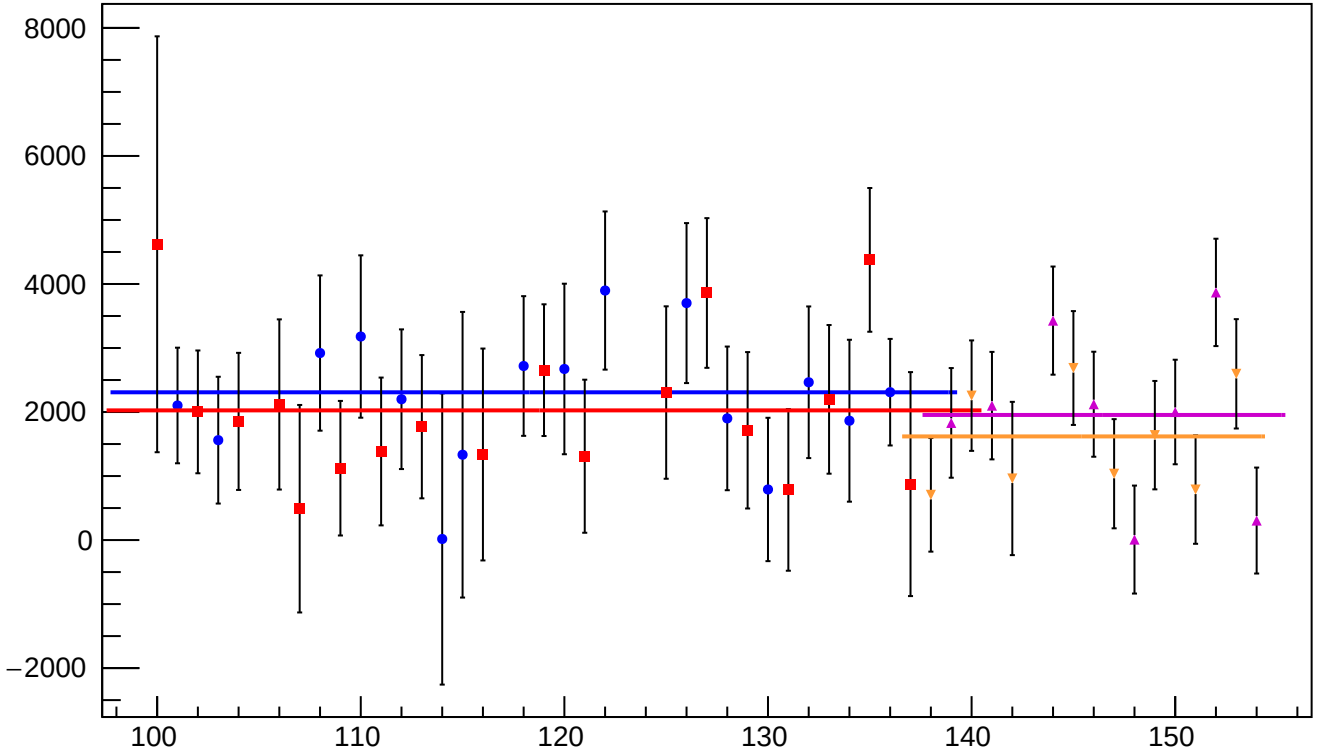
reg_asym_us_avg_mean vs Slug, Sign Corrected



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: 1954.189+/-295.421 χ^2/NDF:17.7/7

Left: 1797.032+/-215.322 χ^2/NDF: 24.3/15

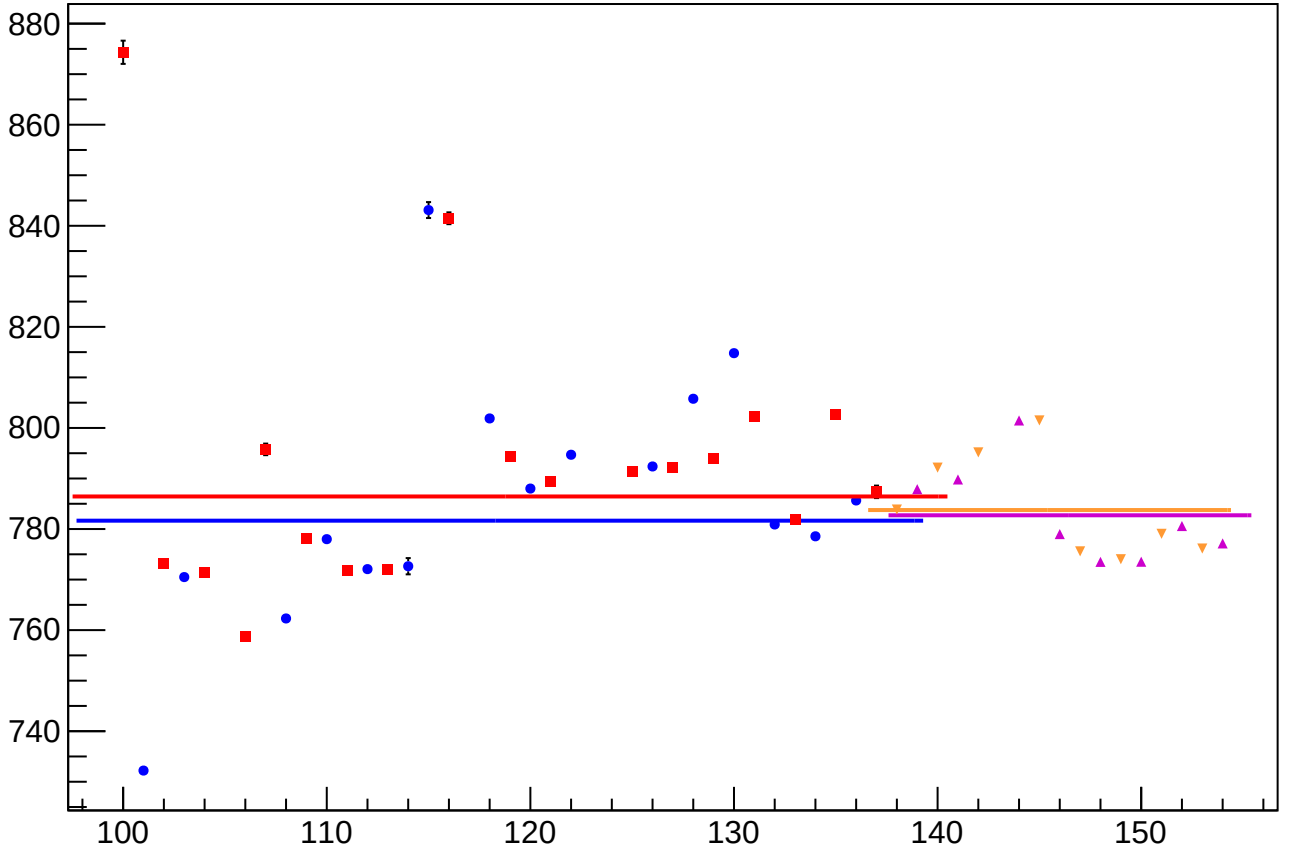
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2134.186+/-207.107 χ^2/NDF:26.2/23

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

All: 1990.749+/-148.525 χ^2/NDF: 46.1/49

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: 782.720+/-0.209 χ^2/NDF:1838.3/7

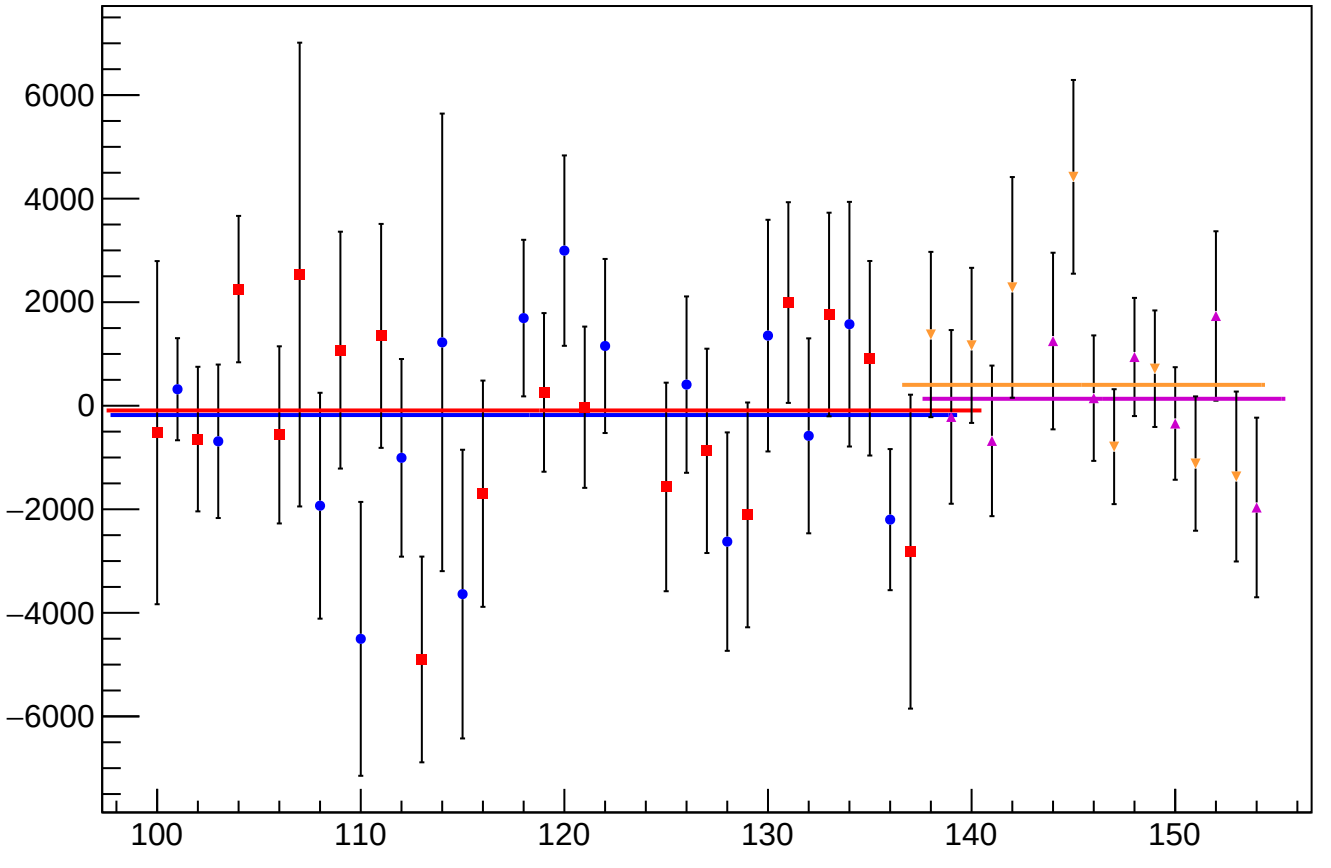
Left: 783.206+/-0.152 χ^2/NDF: 3684.8/15

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

In: 782.178+/-0.146 χ^2/NDF:14170.6/23

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

All: 783.650+/-0.105 χ^2/NDF: 23494.2/49



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: 133.958+/-489.530 χ^2/NDF:3.9/7

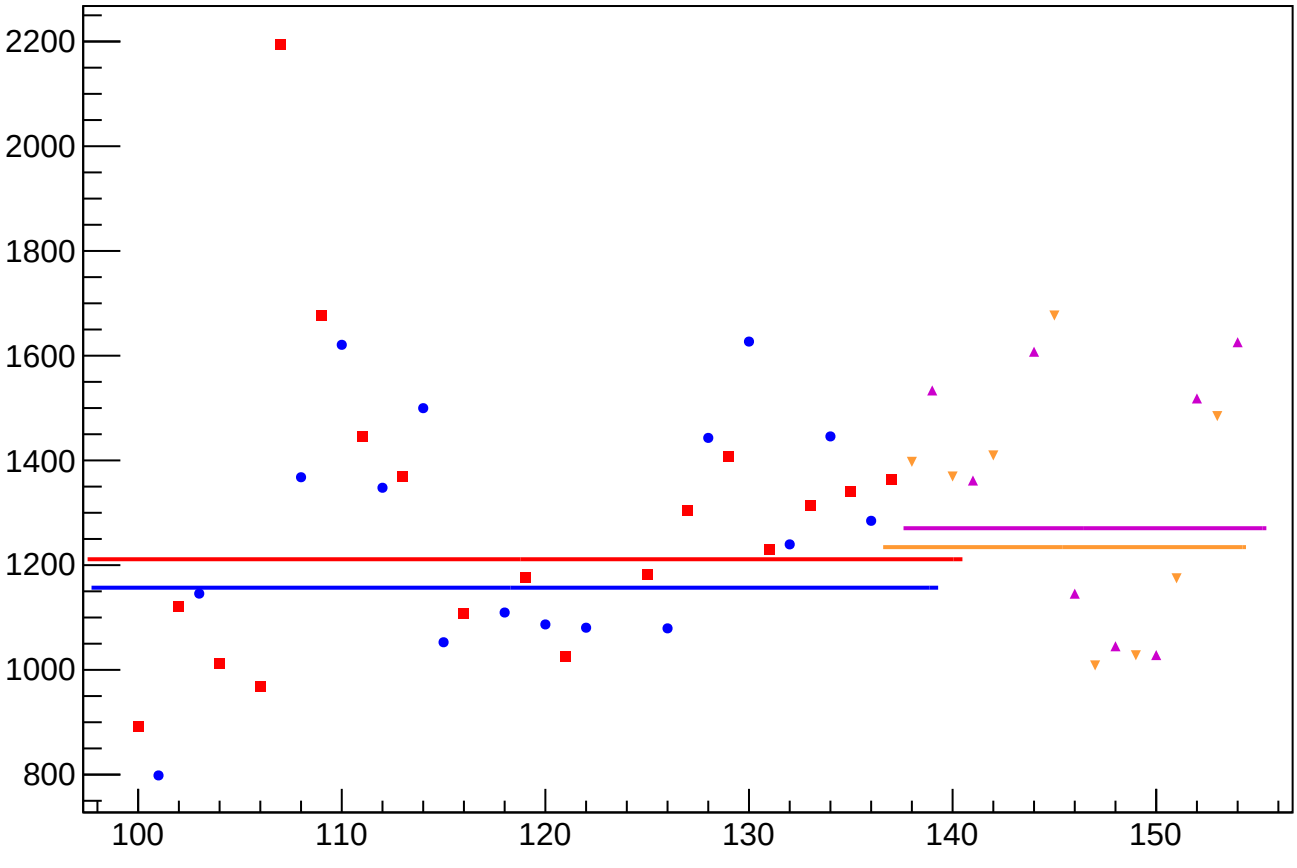
Left: 264.192+/-351.715 χ^2/NDF: 13.8/15

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

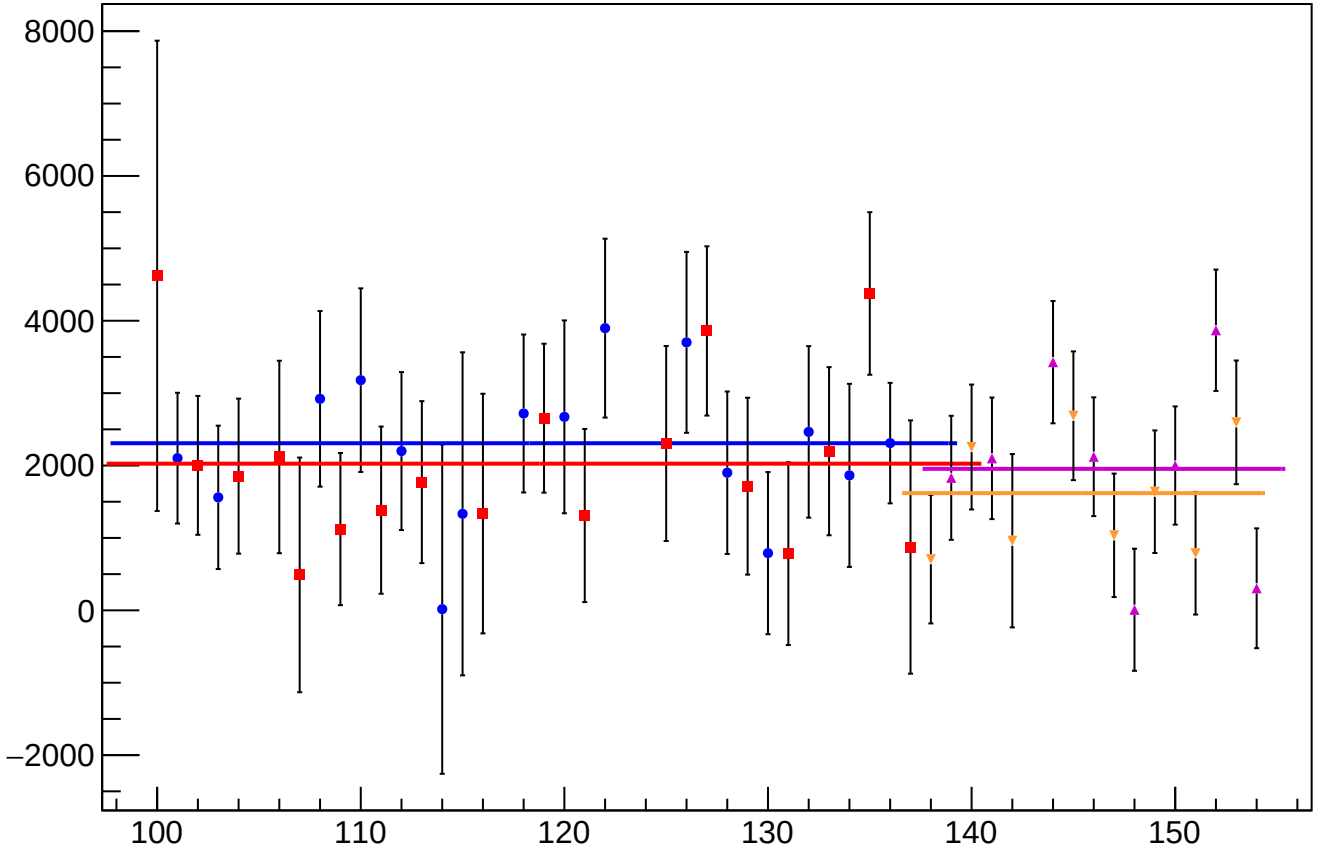
In: -39.392+/-327.558 χ^2/NDF:19.5/23

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

All: 42.525+/-235.275 χ^2/NDF: 45.2/49


asym_us_avg_reg_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: 1270.526+/-0.346 χ²/NDF:463522.2/7
Left: 1253.054+/-0.249 χ²/NDF: 832016.3/15
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1207.800+/-0.232 χ²/NDF:1092099.3/23
Out: 1221.616+/-0.239 χ²/NDF:763259.3/25
All: 1214.488+/-0.166 χ²/NDF: 1857080.8/49

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: 1954.189+/-295.421 χ^2/NDF:17.7/7

Left: 1797.032+/-215.322 χ^2/NDF: 24.3/15

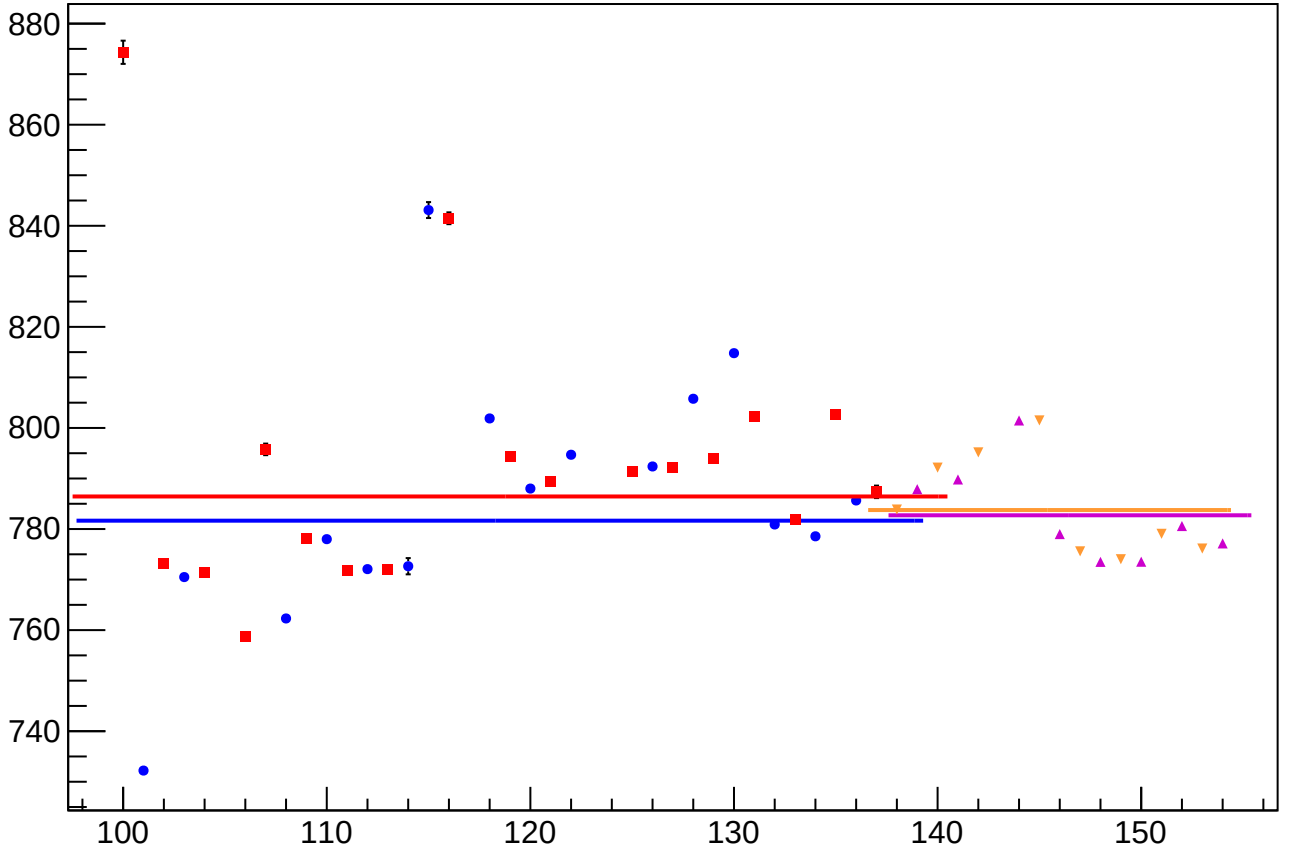
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2134.186+/-207.107 χ^2/NDF:26.2/23

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

All: 1990.749+/-148.525 χ^2/NDF: 46.1/49

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: 782.720+/-0.209 χ^2/NDF:1838.3/7

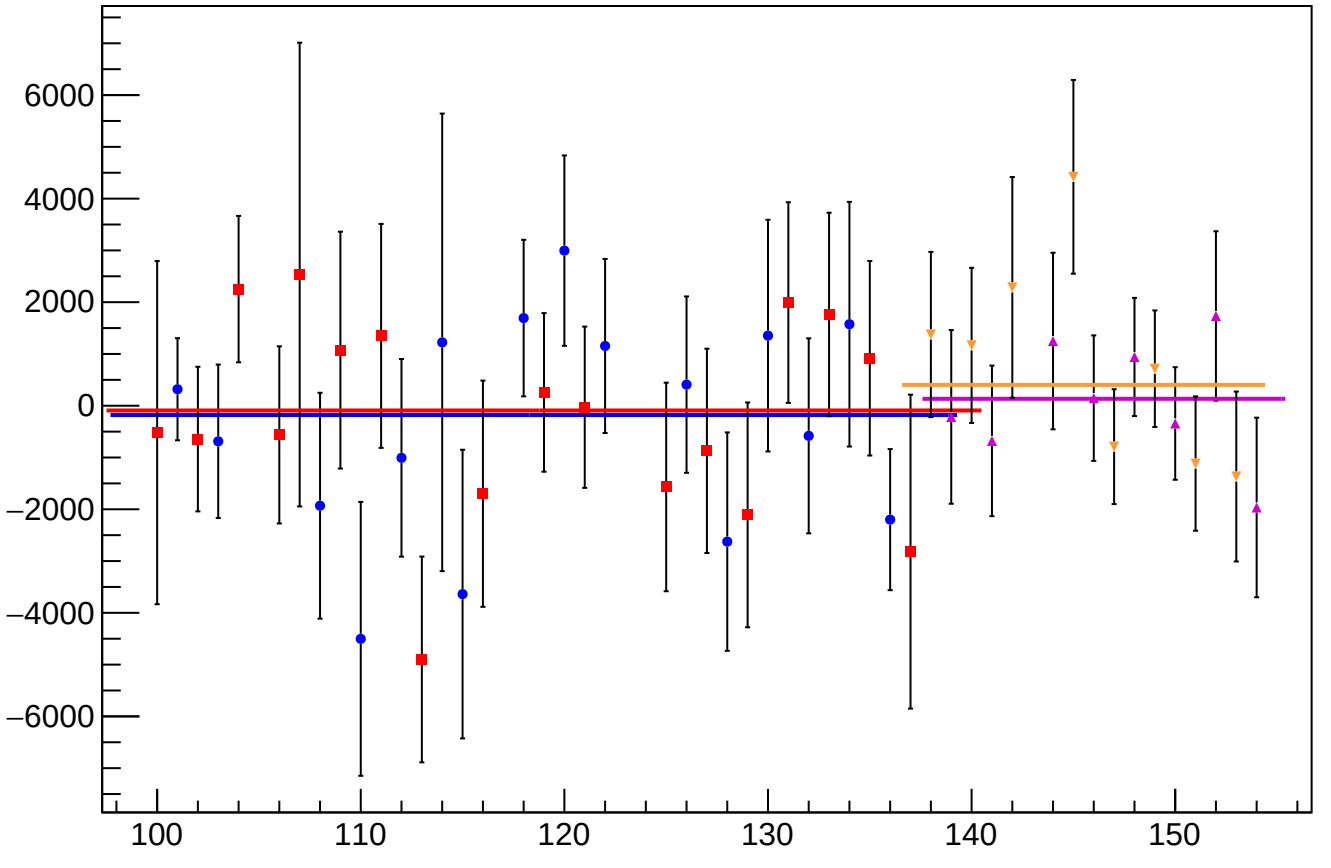
Left: 783.206+/-0.152 χ^2/NDF: 3684.8/15

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

In: 782.178+/-0.146 χ^2/NDF:14170.6/23

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

All: 783.650+/-0.105 χ^2/NDF: 23494.2/49



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: 133.958+/-489.530 χ^2/NDF:3.9/7

Left: 264.192+/-351.715 χ^2/NDF: 13.8/15

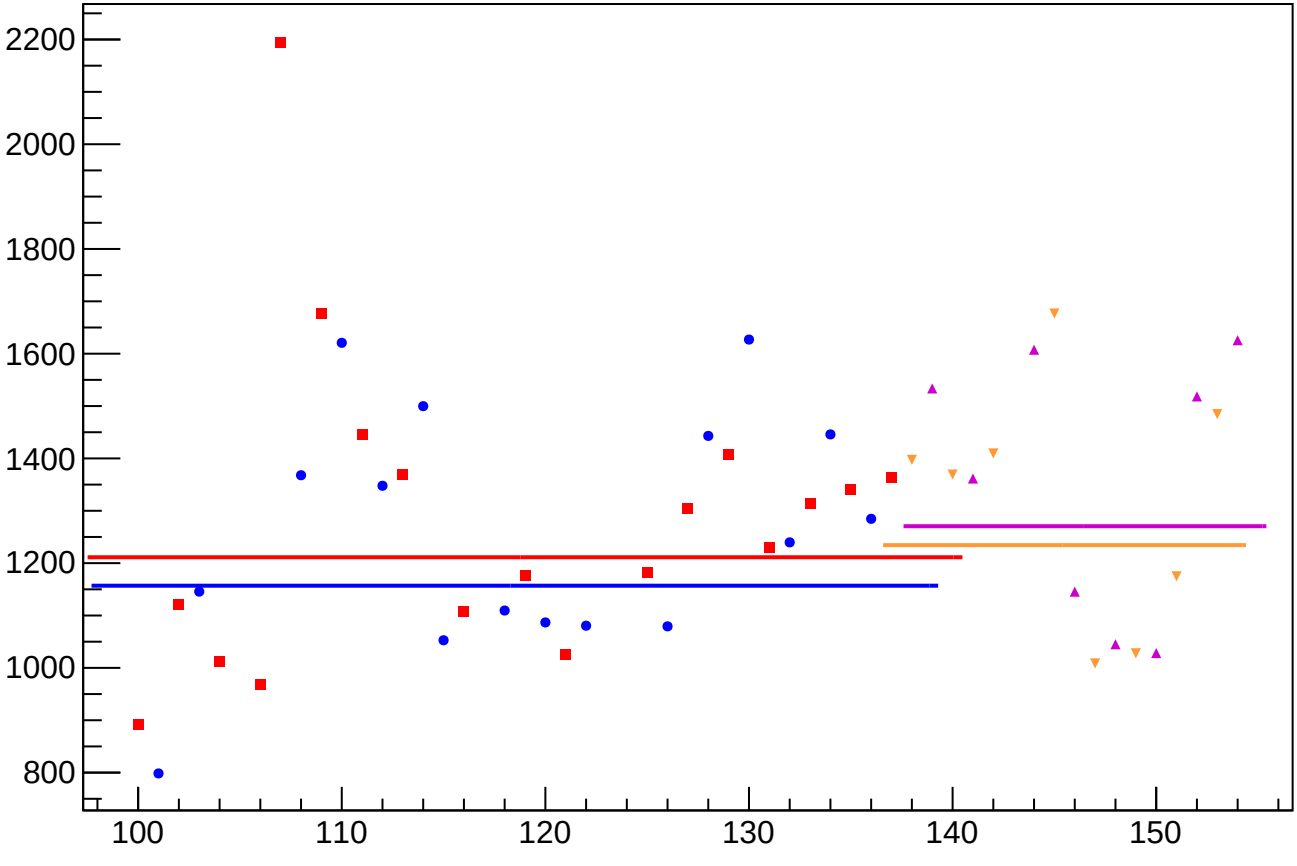
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -39.392+/-327.558 χ^2/NDF:19.5/23

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

All: 42.525+/-235.275 χ^2/NDF: 45.2/49

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: 1270.526+/-0.346 χ^2/NDF:463522.2/7

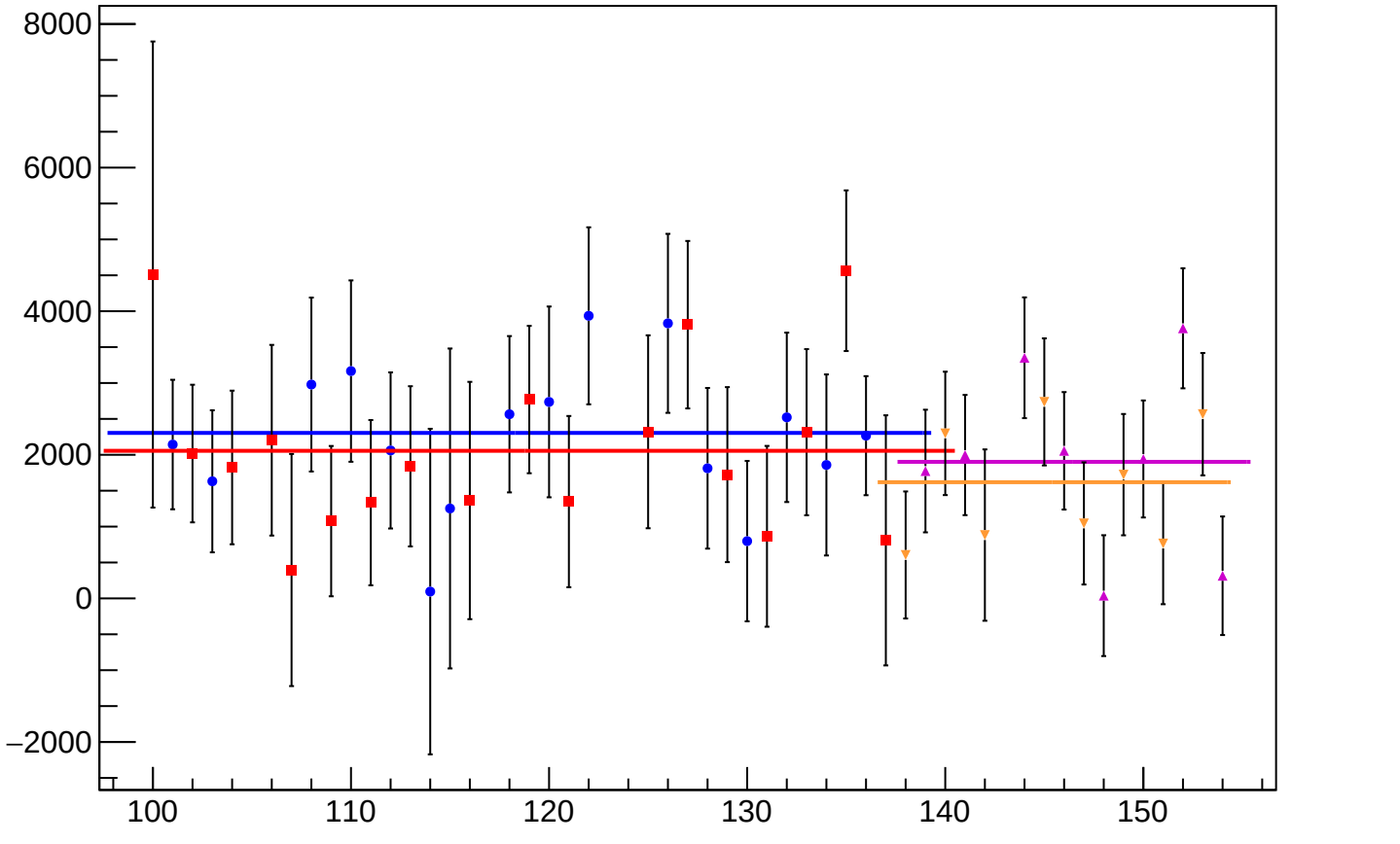
Left: 1253.054+/-0.249 χ^2/NDF: 832016.3/15

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

In: 1207.800+/-0.232 χ^2/NDF:1092099.3/23

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

All: 1214.488+/-0.166 χ^2/NDF: 1857080.8/49



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: 1901.933+/-294.624 χ^2/NDF:16.6/7

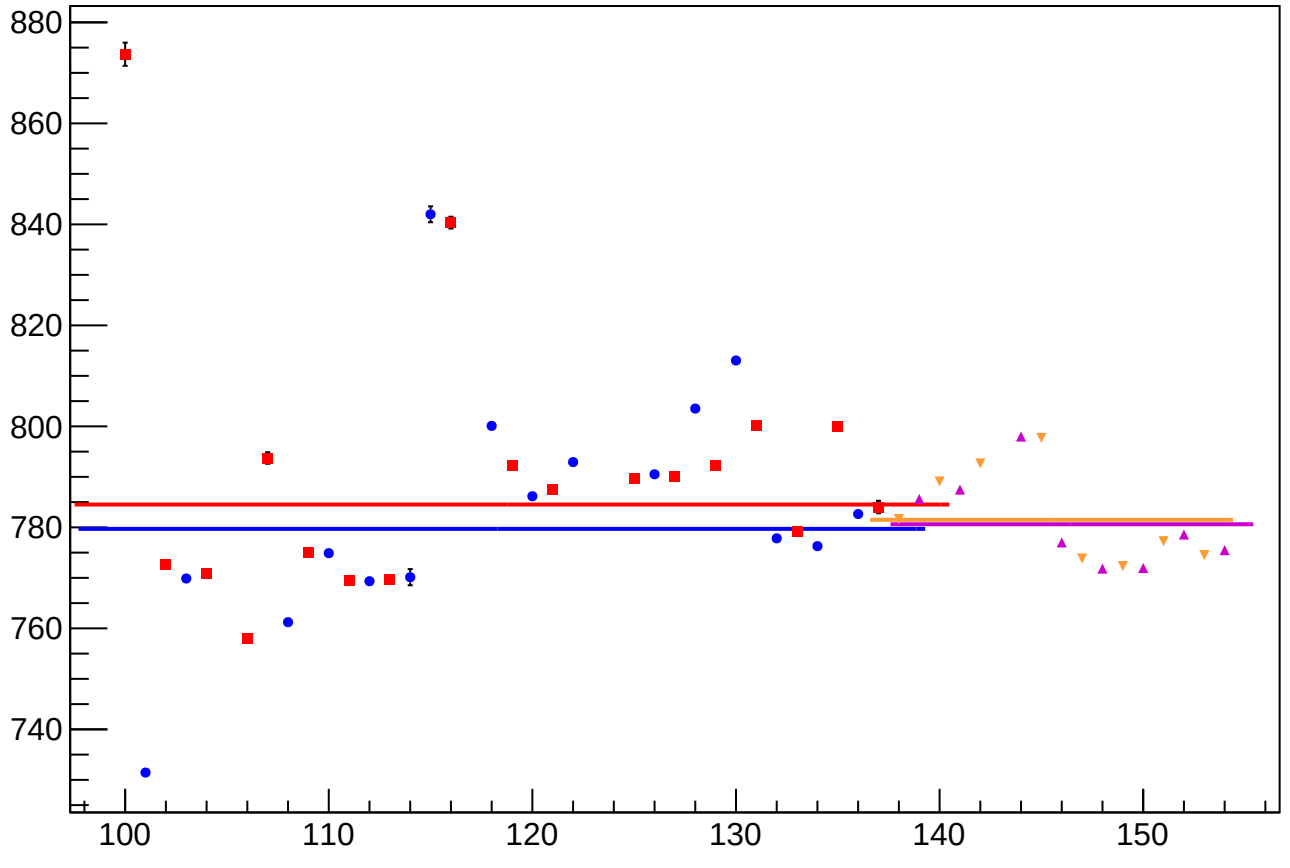
Left: 1768.988+/-214.721 χ^2/NDF: 23.7/15

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

In: 2106.785+/-206.569 χ^2/NDF:25.6/23

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

All: 1984.372+/-148.136 χ^2/NDF: 46.9/49



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: 780.616+/-0.208 χ^2/NDF:1627.8/7

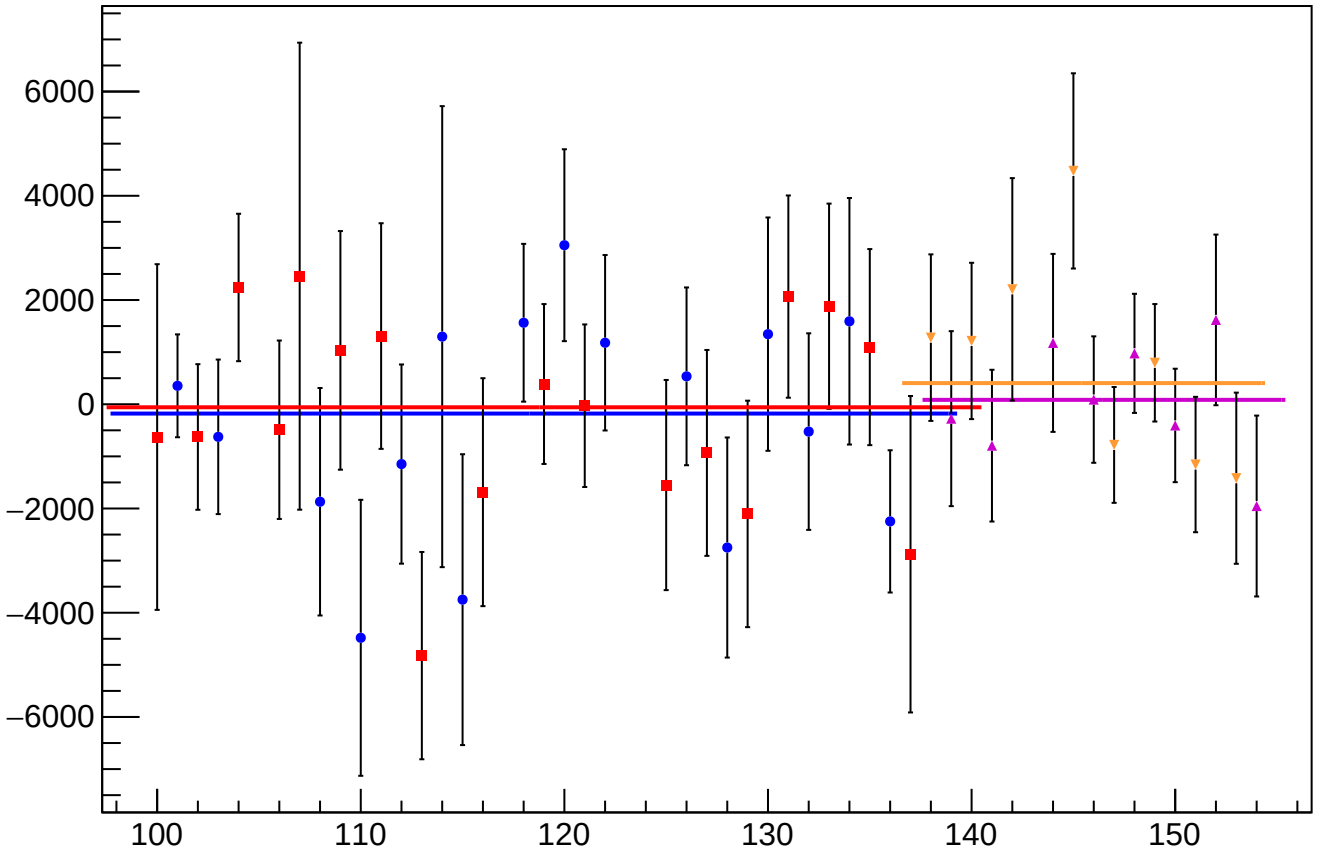
Left: 781.029+/-0.152 χ^2/NDF: 3220.9/15

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

In: 780.151+/-0.146 χ^2/NDF:13697.8/23

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

All: 781.600+/-0.105 χ^2/NDF: 22745.9/49



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: 84.574+/-490.020 χ^2/NDF:3.9/7

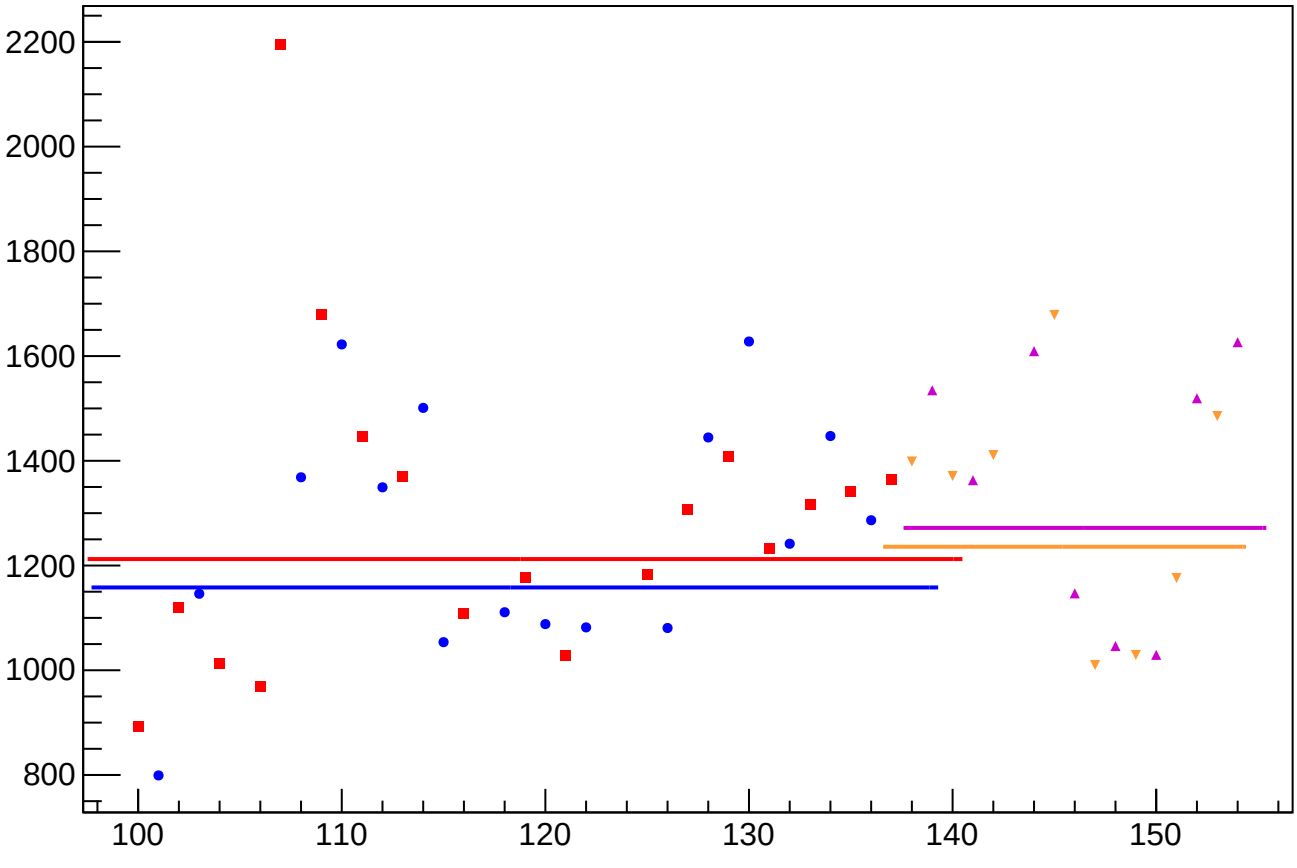
Left: 240.056+/-352.086 χ^2/NDF: 14.1/15

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

In: -60.688+/-327.888 χ^2/NDF:19.7/23

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

All: 41.028+/-235.510 χ^2/NDF: 45.6/49



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: 1271.848+/-0.346 χ^2/NDF:462619.7/7

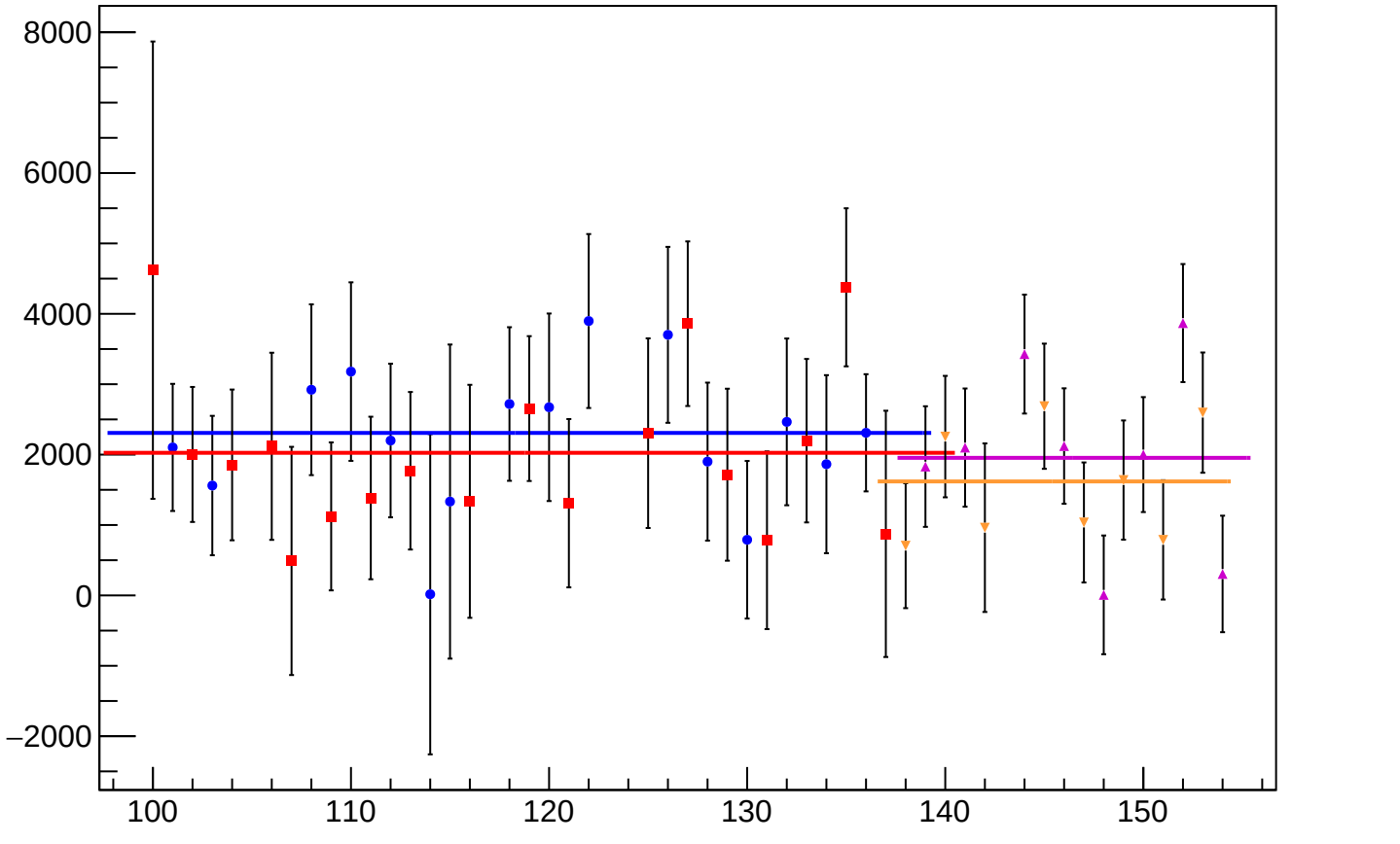
Left: 1254.430+/-0.249 χ^2/NDF: 830428.7/15

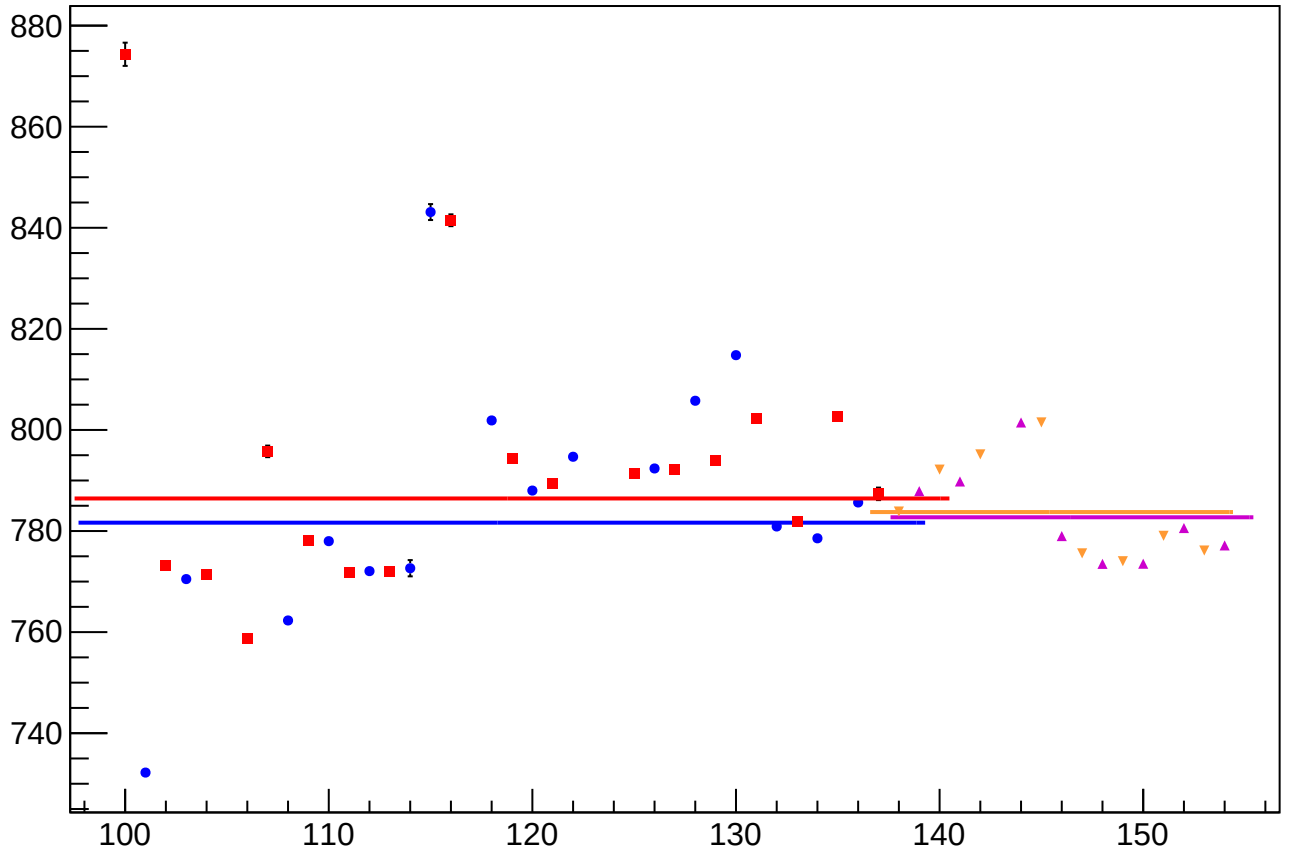
Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

In: 1209.048+/-0.232 χ^2/NDF:1091245.9/23

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

All: 1215.730+/-0.167 χ^2/NDF: 1855866.5/49


eigen_cor_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: 1954.189+/-295.421 χ²/NDF:17.7/7
Left: 1797.032+/-215.322 χ²/NDF: 24.3/15
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2134.186+/-207.107 χ²/NDF:26.2/23
Out: 1838.871+/-213.115 χ²/NDF:18.9/25
All: 1990.749+/-148.525 χ²/NDF: 46.1/49



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: 782.720+/-0.209 χ^2/NDF:1838.3/7

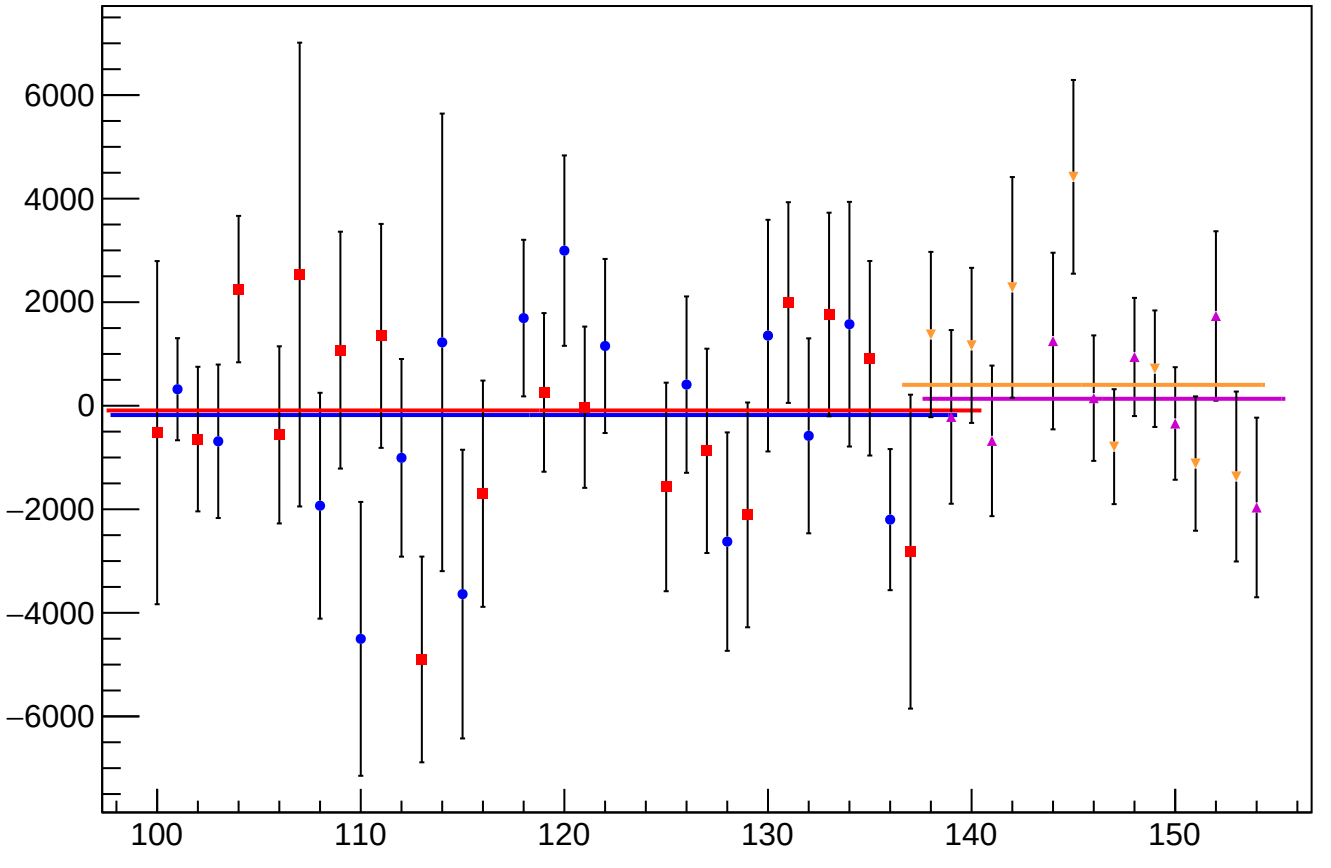
Left: 783.206+/-0.152 χ^2/NDF: 3684.8/15

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

In: 782.178+/-0.146 χ^2/NDF:14170.6/23

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

All: 783.650+/-0.105 χ^2/NDF: 23494.2/49



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: 133.958+/-489.530 χ^2/NDF:3.9/7

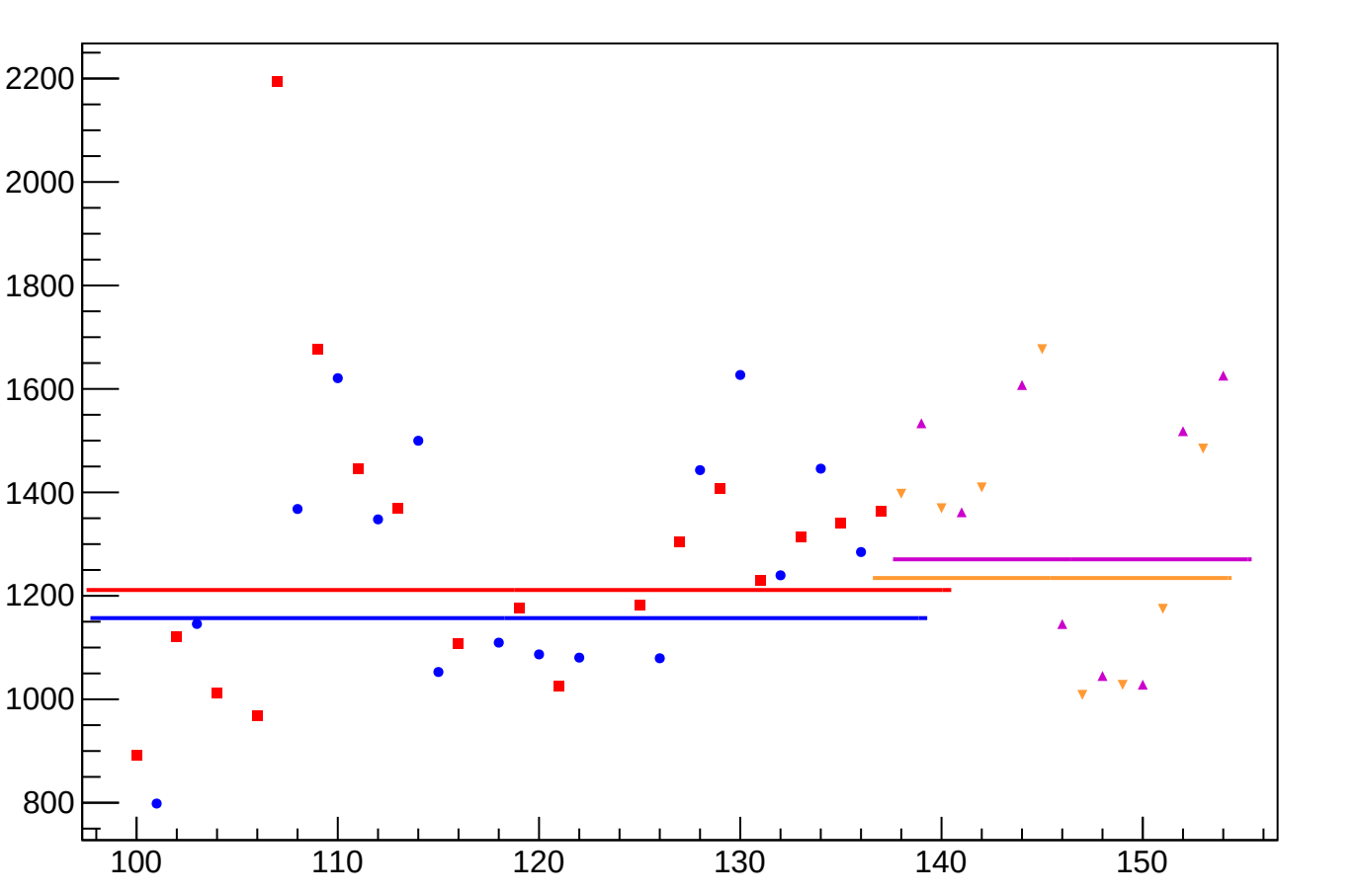
Left: 264.192+/-351.715 χ^2/NDF: 13.8/15

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

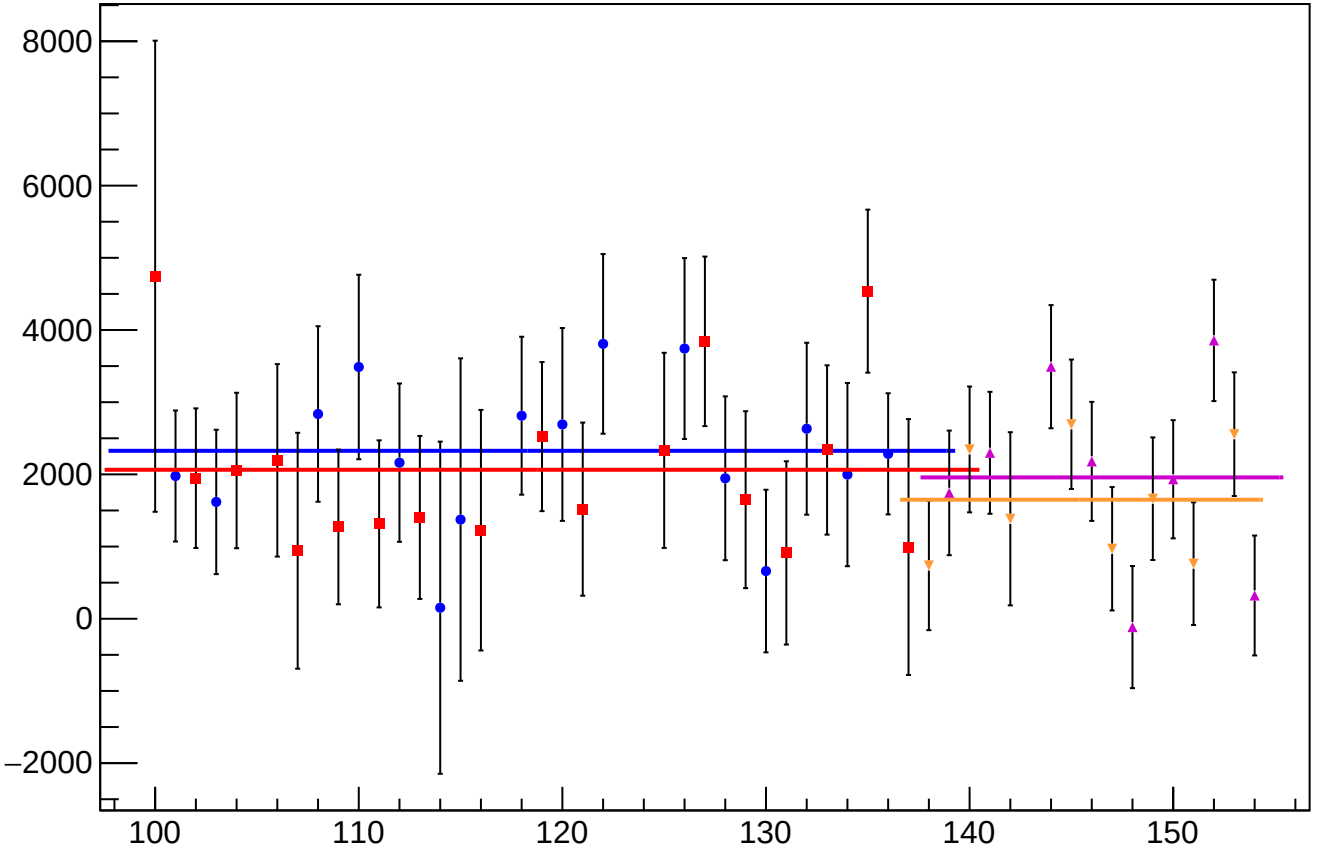
In: -39.392+/-327.558 χ^2/NDF:19.5/23

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

All: 42.525+/-235.275 χ^2/NDF: 45.2/49


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: 1270.526+/-0.346 χ²/NDF:463522.2/7
Left: 1253.054+/-0.249 χ²/NDF: 832016.3/15
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1207.800+/-0.232 χ²/NDF:1092099.3/23
Out: 1221.616+/-0.239 χ²/NDF:763259.3/25
All: 1214.488+/-0.166 χ²/NDF: 1857080.8/49

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: 1958.005+/-296.885 χ^2/NDF:18.5/7

Left: 1813.275+/-216.426 χ^2/NDF: 24.9/15

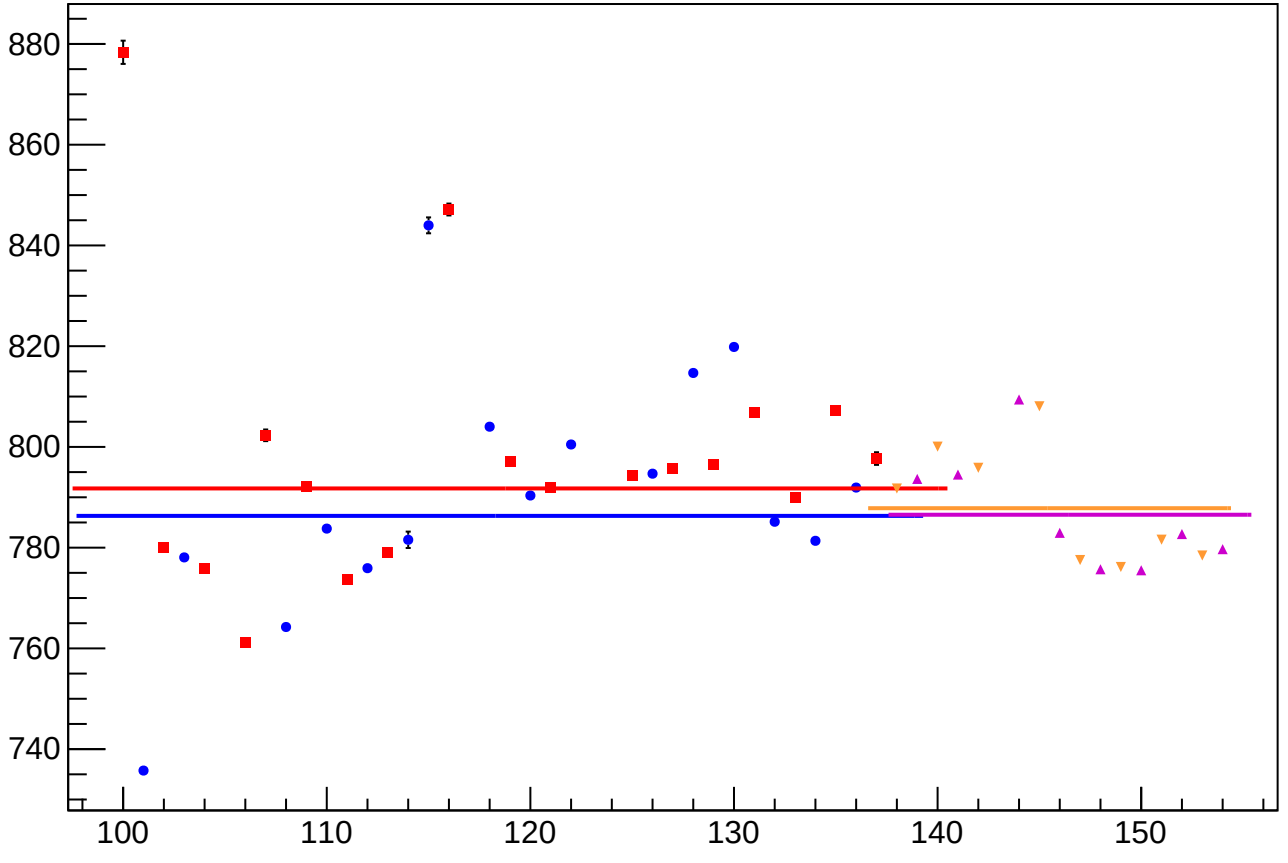
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2145.163+/-208.244 χ^2/NDF:27.5/23

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

All: 2013.142+/-149.389 χ^2/NDF: 46.8/49

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: 786.535+/-0.210 χ^2/NDF:2658.5/7

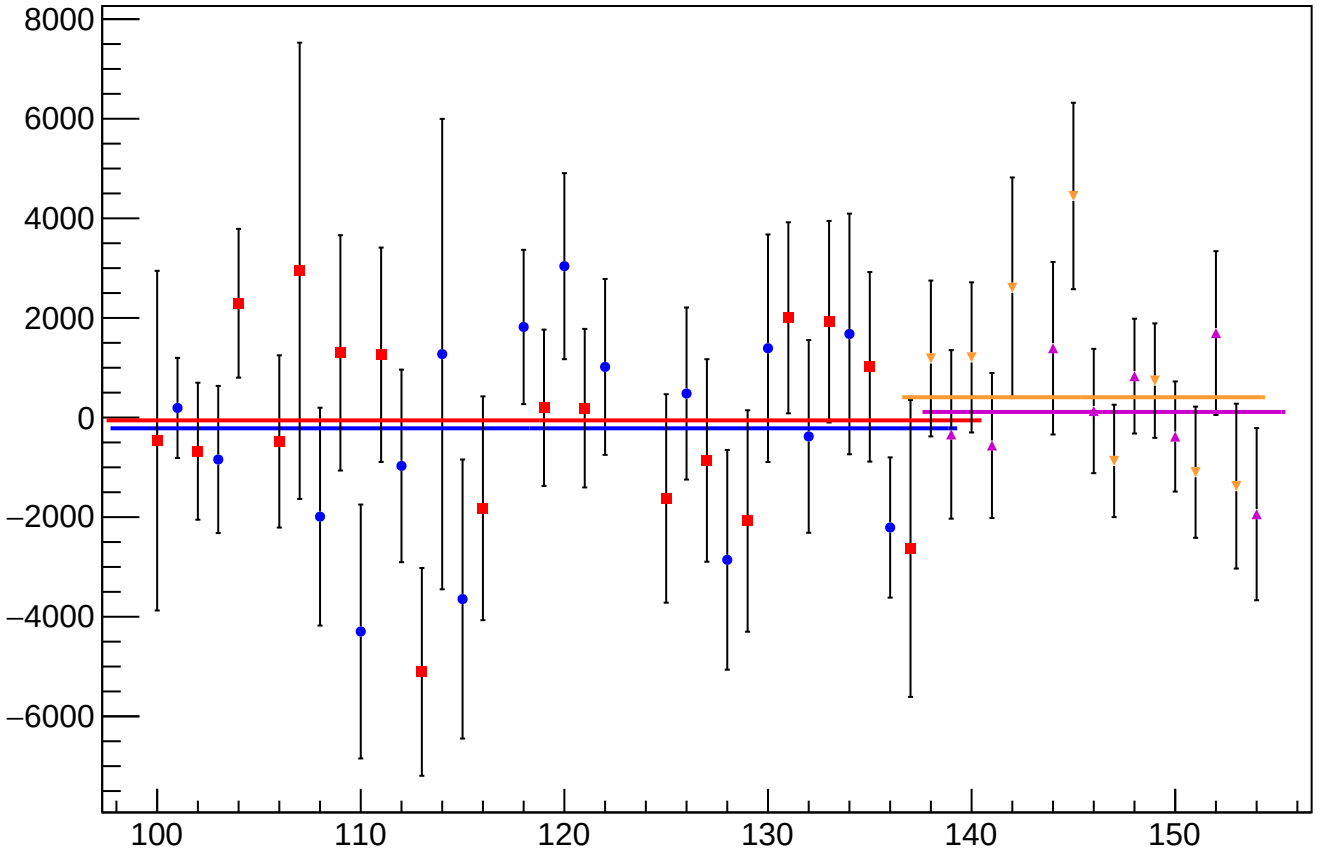
Left: 787.143+/-0.153 χ^2/NDF: 5232.0/15

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

In: 786.420+/-0.147 χ^2/NDF:15230.2/23

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

All: 788.134+/-0.106 χ^2/NDF: 25246.3/49



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: 112.224+/-495.656 χ^2/NDF:3.8/7

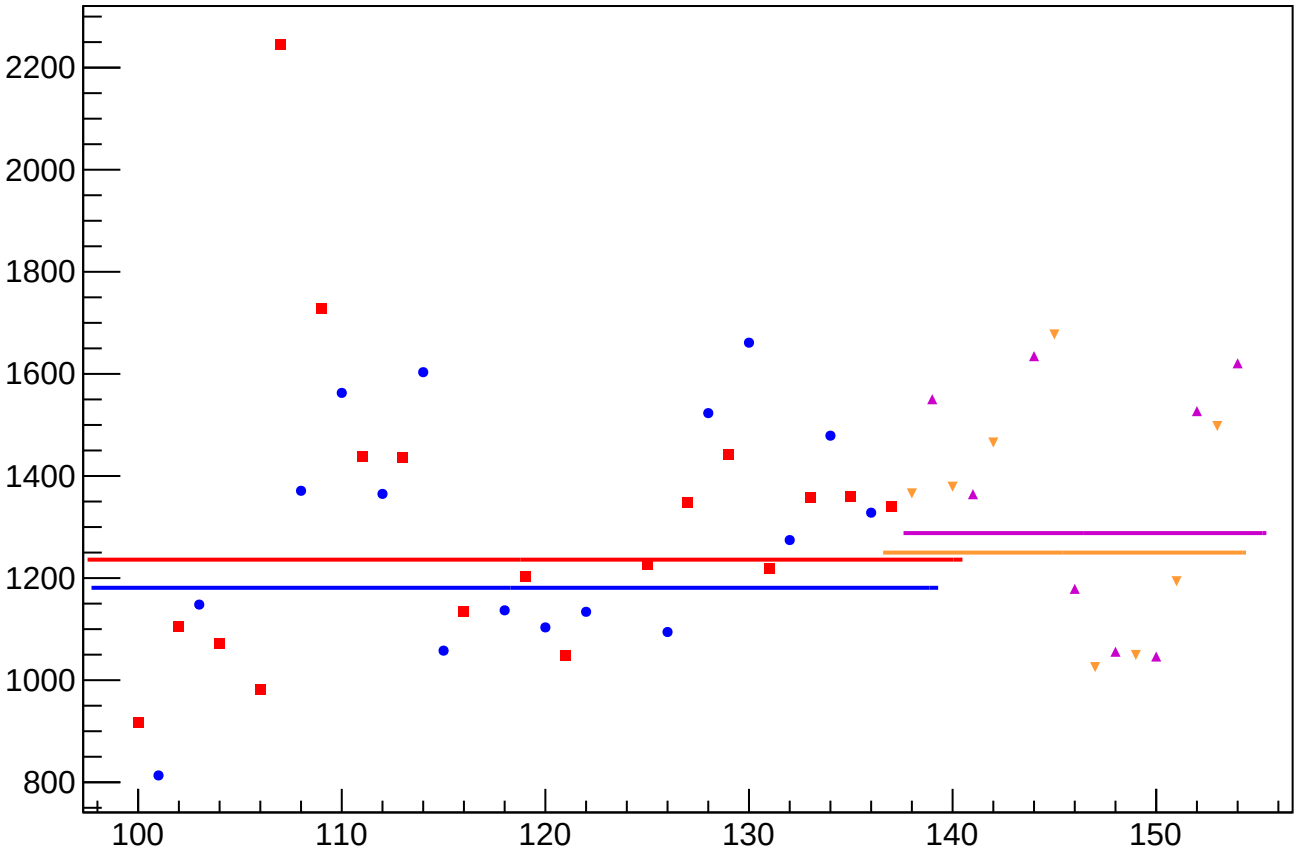
Left: 255.399+/-355.953 χ^2/NDF: 13.9/15

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

In: -67.966+/-332.984 χ^2/NDF:19.3/23

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

All: 39.013+/-239.140 χ^2/NDF: 45.1/49



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: 1288.151+/-0.350 χ^2/NDF:442030.2/7

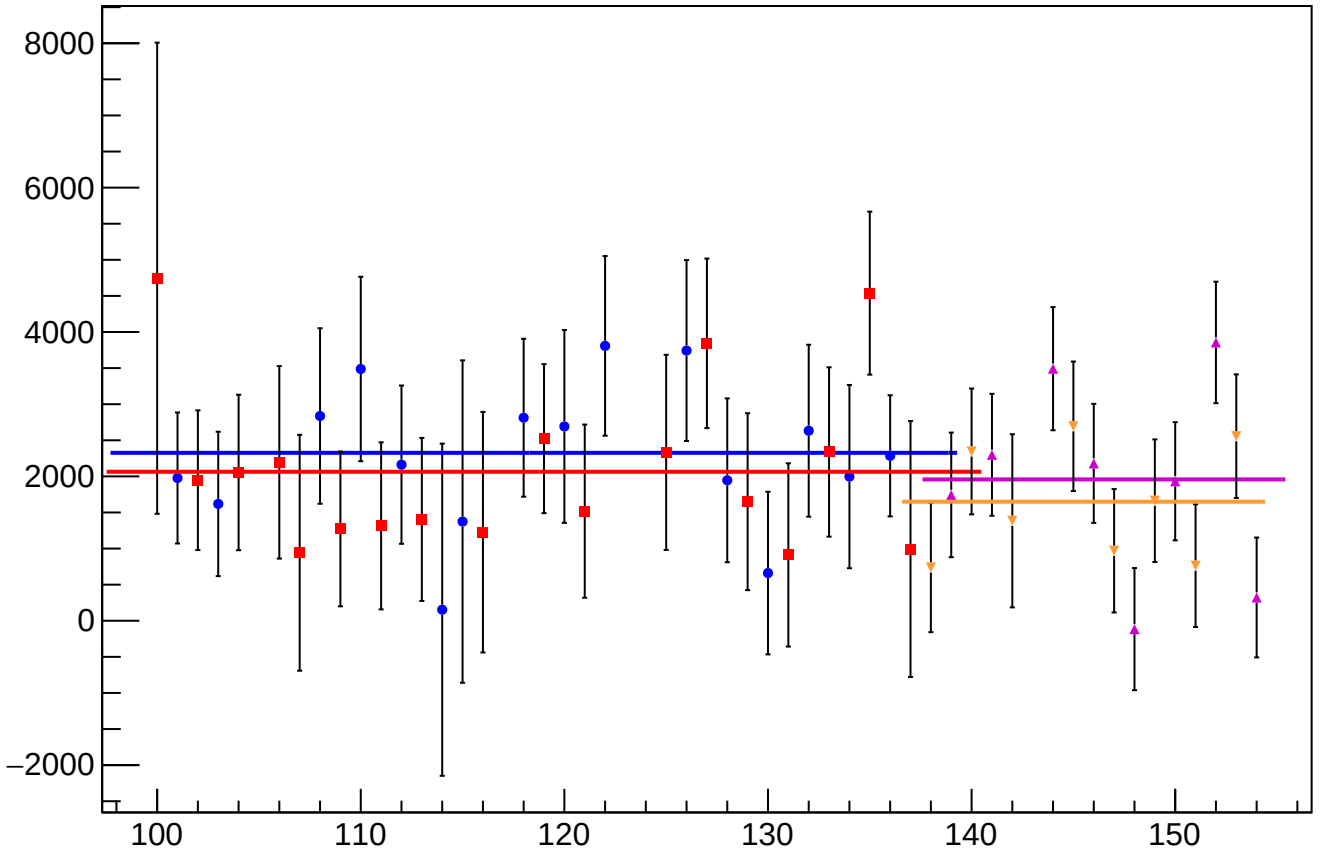
Left: 1269.659+/-0.252 χ^2/NDF: 785107.6/15

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

In: 1229.359+/-0.235 χ^2/NDF:1064424.0/23

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

All: 1235.663+/-0.169 χ^2/NDF: 1801277.9/49



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: 1958.006+/-296.885 χ^2/NDF:18.5/7

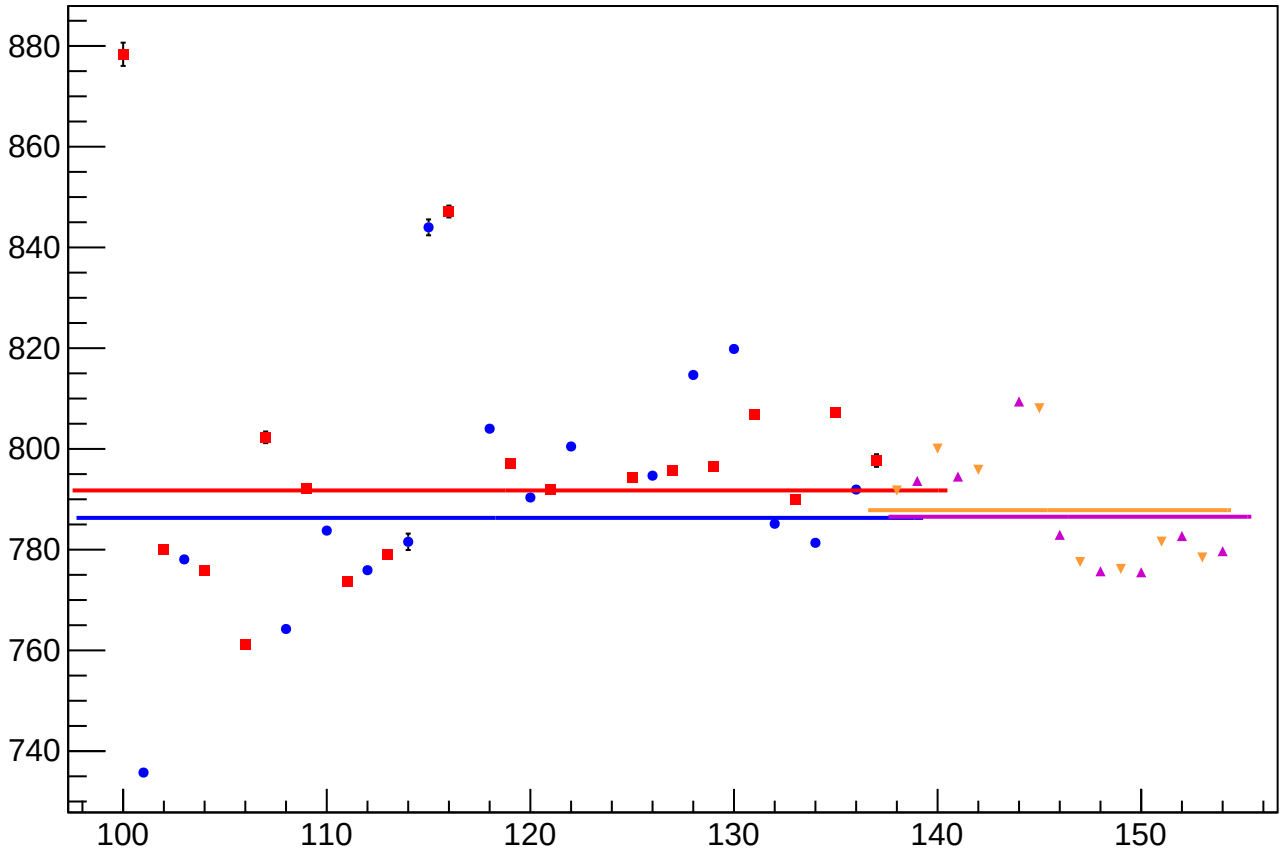
Left: 1813.275+/-216.426 χ^2/NDF: 24.9/15

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

In: 2145.163+/-208.244 χ^2/NDF:27.5/23

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

All: 2013.141+/-149.389 χ^2/NDF: 46.8/49



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: 786.535+/-0.210 χ^2/NDF:2658.5/7

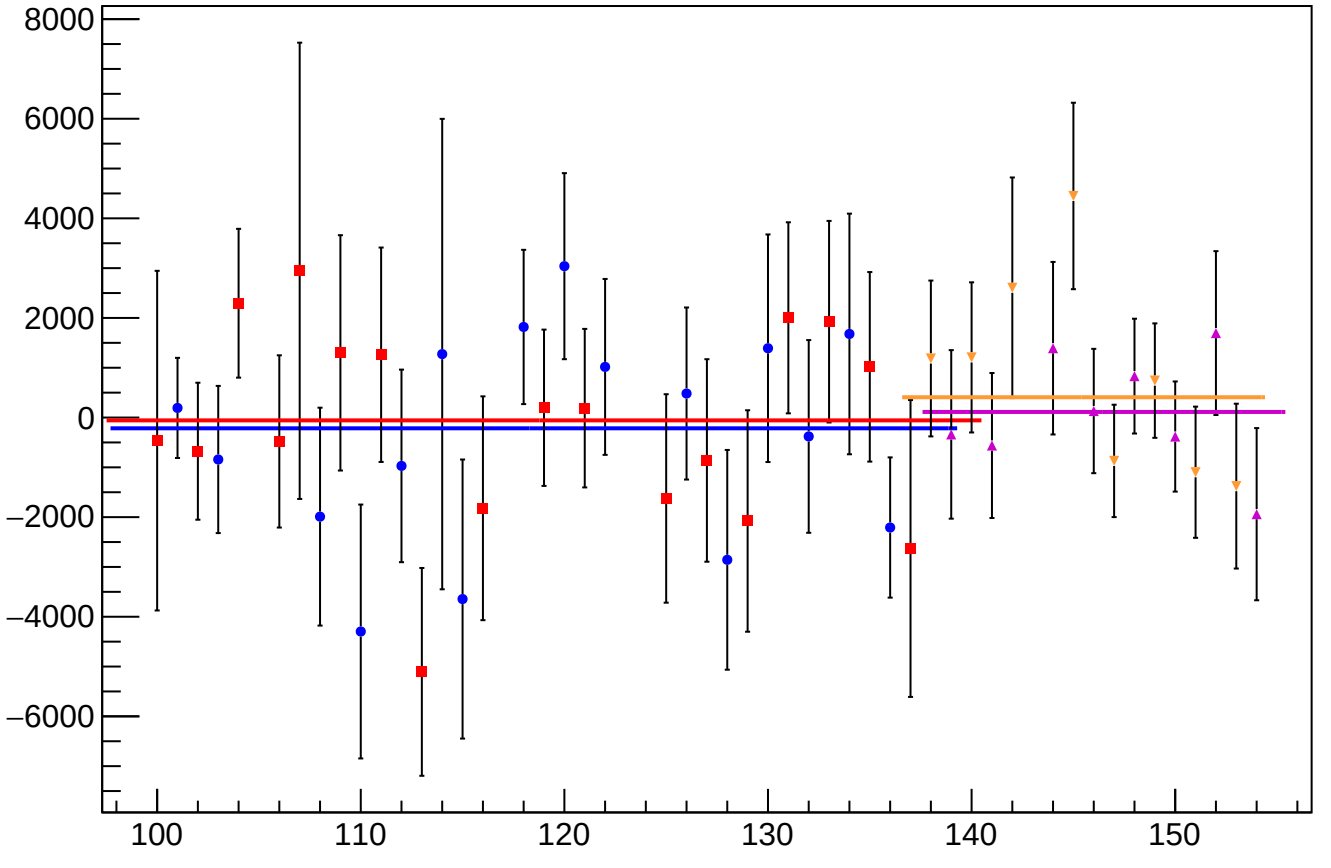
Left: 787.143+/-0.153 χ^2/NDF: 5232.0/15

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

In: 786.420+/-0.147 χ^2/NDF:15230.1/23

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

All: 788.134+/-0.106 χ^2/NDF: 25246.2/49



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: 112.225+/-495.657 χ^2/NDF:3.8/7

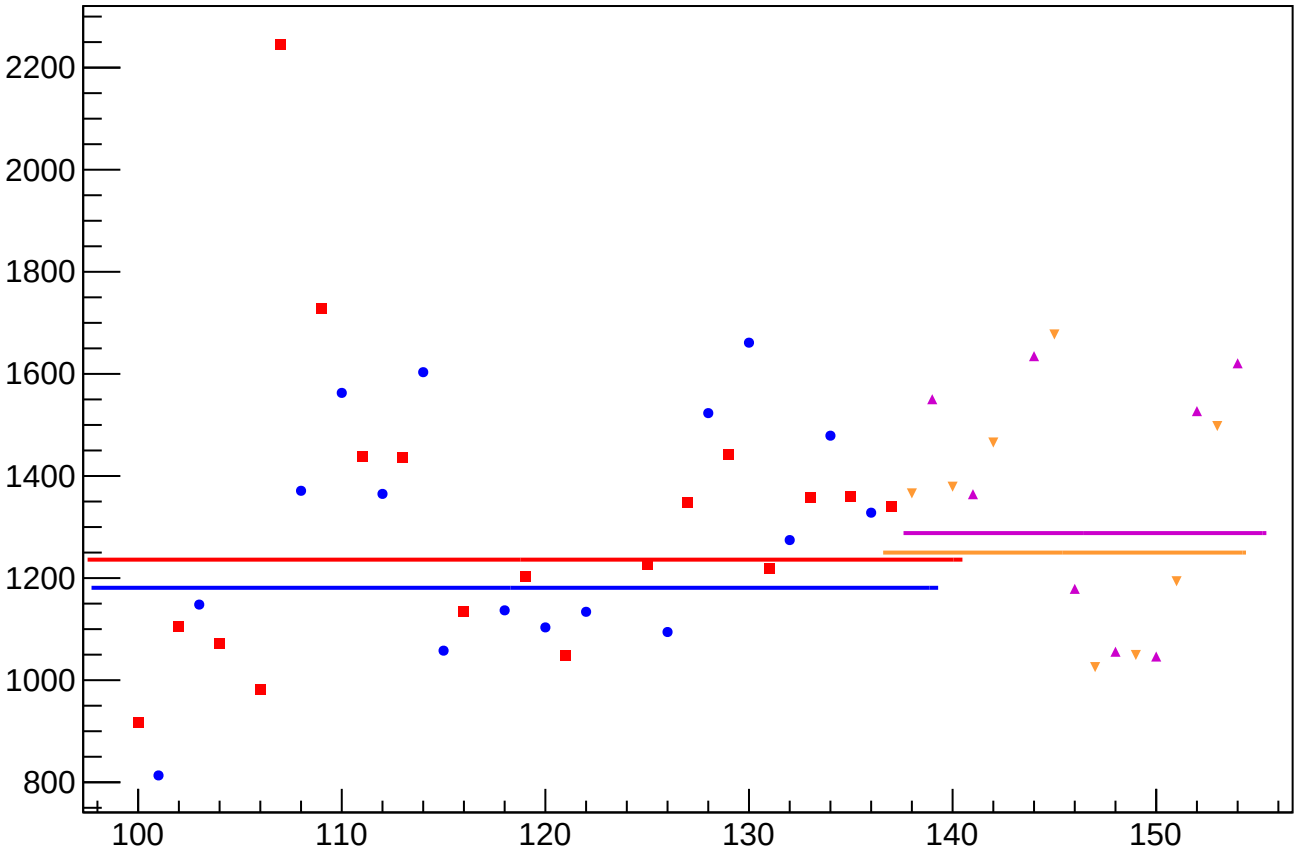
Left: 255.398+/-355.954 χ^2/NDF: 13.9/15

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

In: -67.966+/-332.984 χ^2/NDF:19.3/23

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

All: 39.012+/-239.140 χ^2/NDF: 45.1/49



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: 1288.154+/-0.350 χ^2/NDF:442031.0/7

Left: 1269.662+/-0.252 χ^2/NDF: 785110.1/15

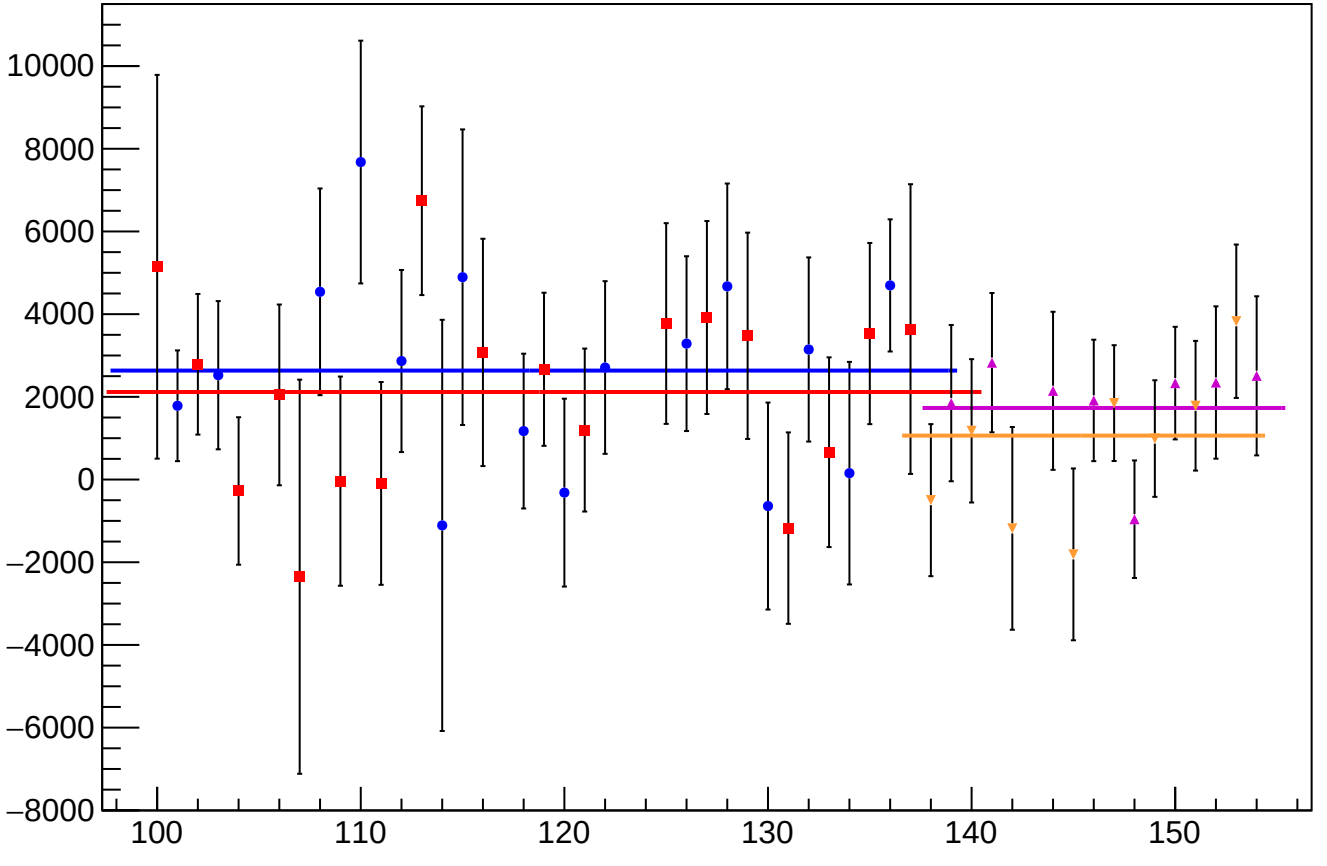
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1229.358+/-0.235 χ^2/NDF:1064427.8/23

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

All: 1235.662+/-0.169 χ^2/NDF: 1801282.5/49

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: 1731.272+/-580.350 χ^2/NDF:4.5/7

Left: 1410.583+/-418.651 χ^2/NDF: 11.4/15

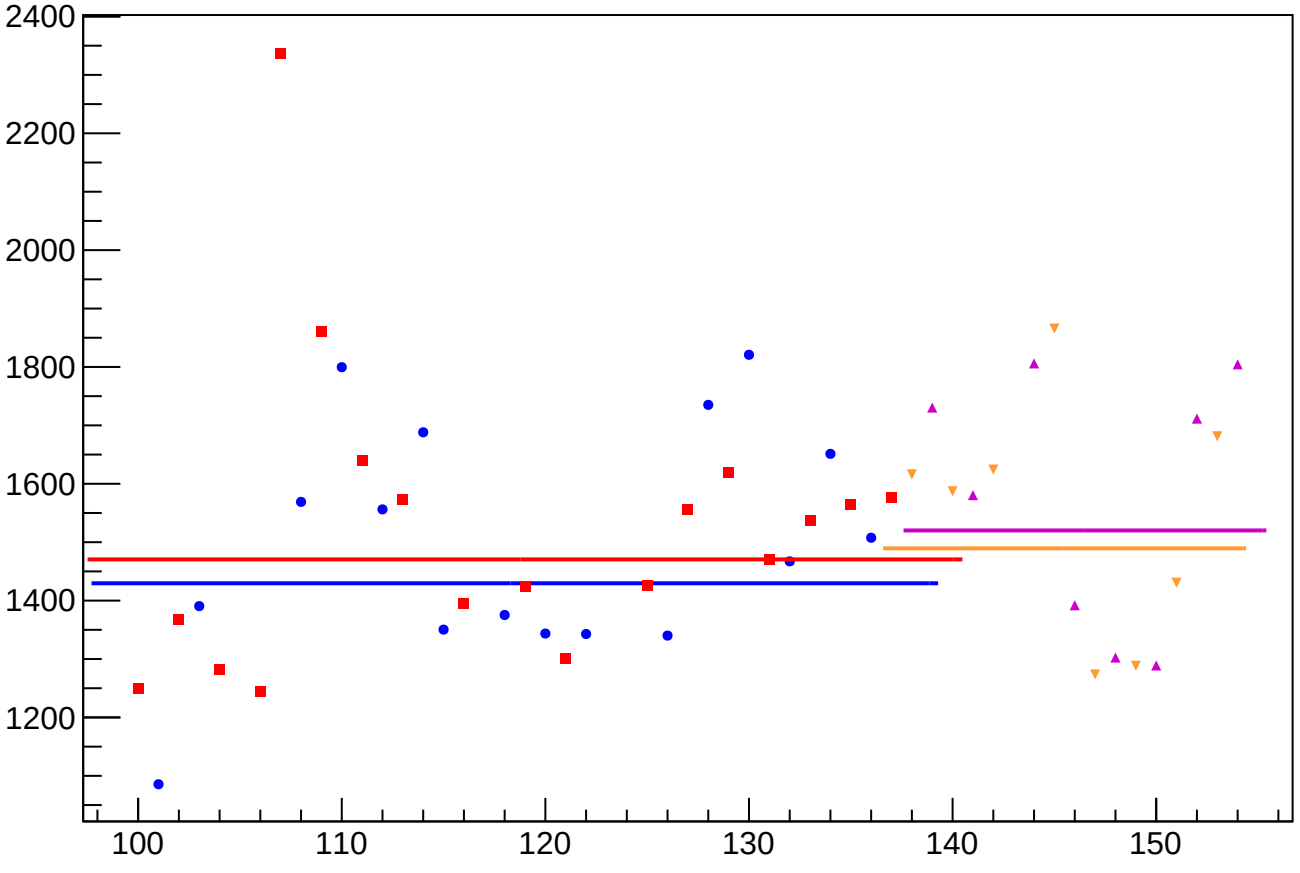
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2217.494+/-394.560 χ^2/NDF:18.1/23

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

All: 1937.813+/-282.885 χ^2/NDF: 40.8/49

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: 1520.115+/-0.410 χ^2/NDF:257198.6/7

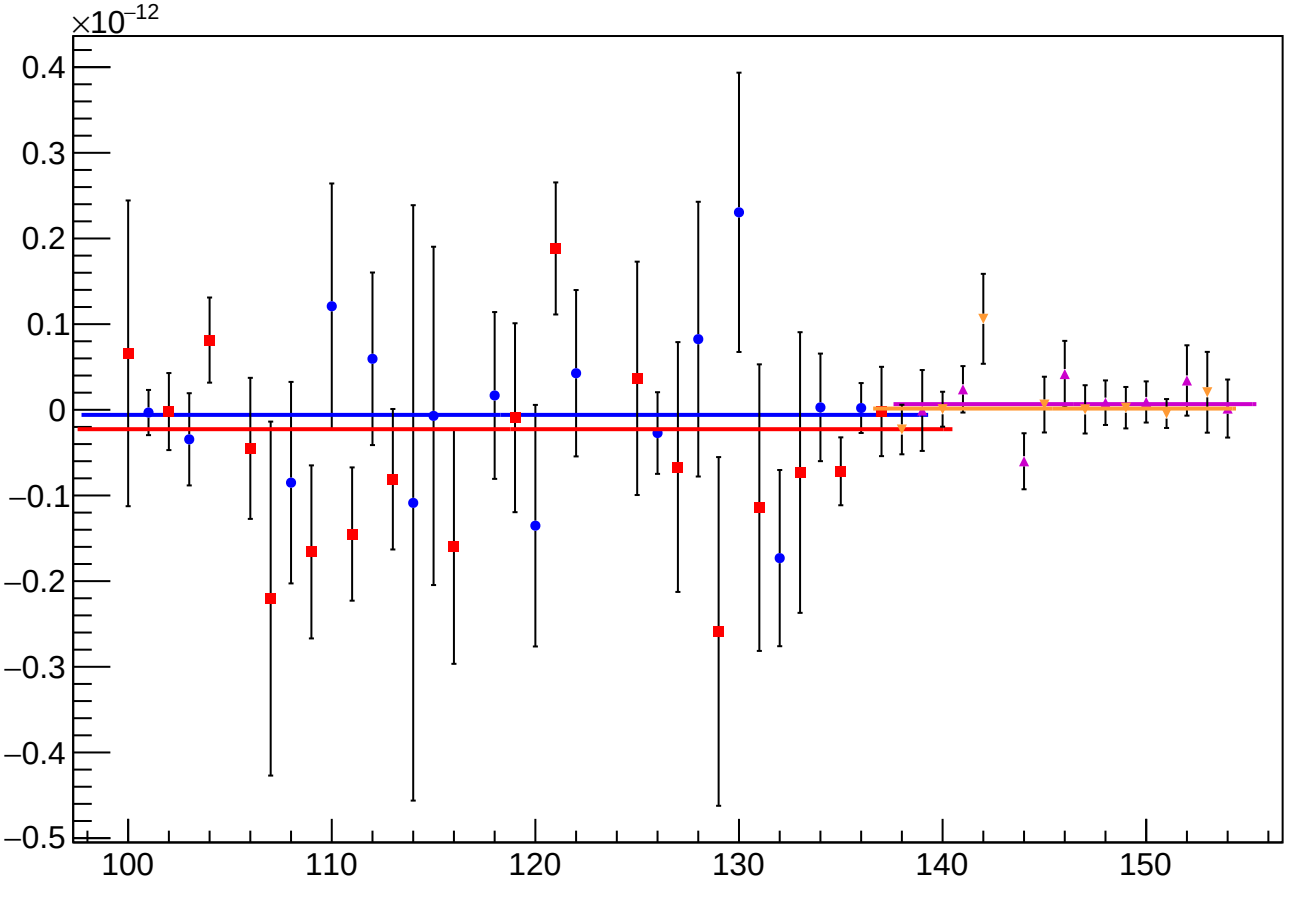
Left: 1505.432+/-0.296 χ^2/NDF: 459687.3/15

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

In: 1471.467+/-0.279 χ^2/NDF:576719.6/23

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

All: 1475.175+/-0.200 χ^2/NDF: 996048.2/49



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:5.9/7

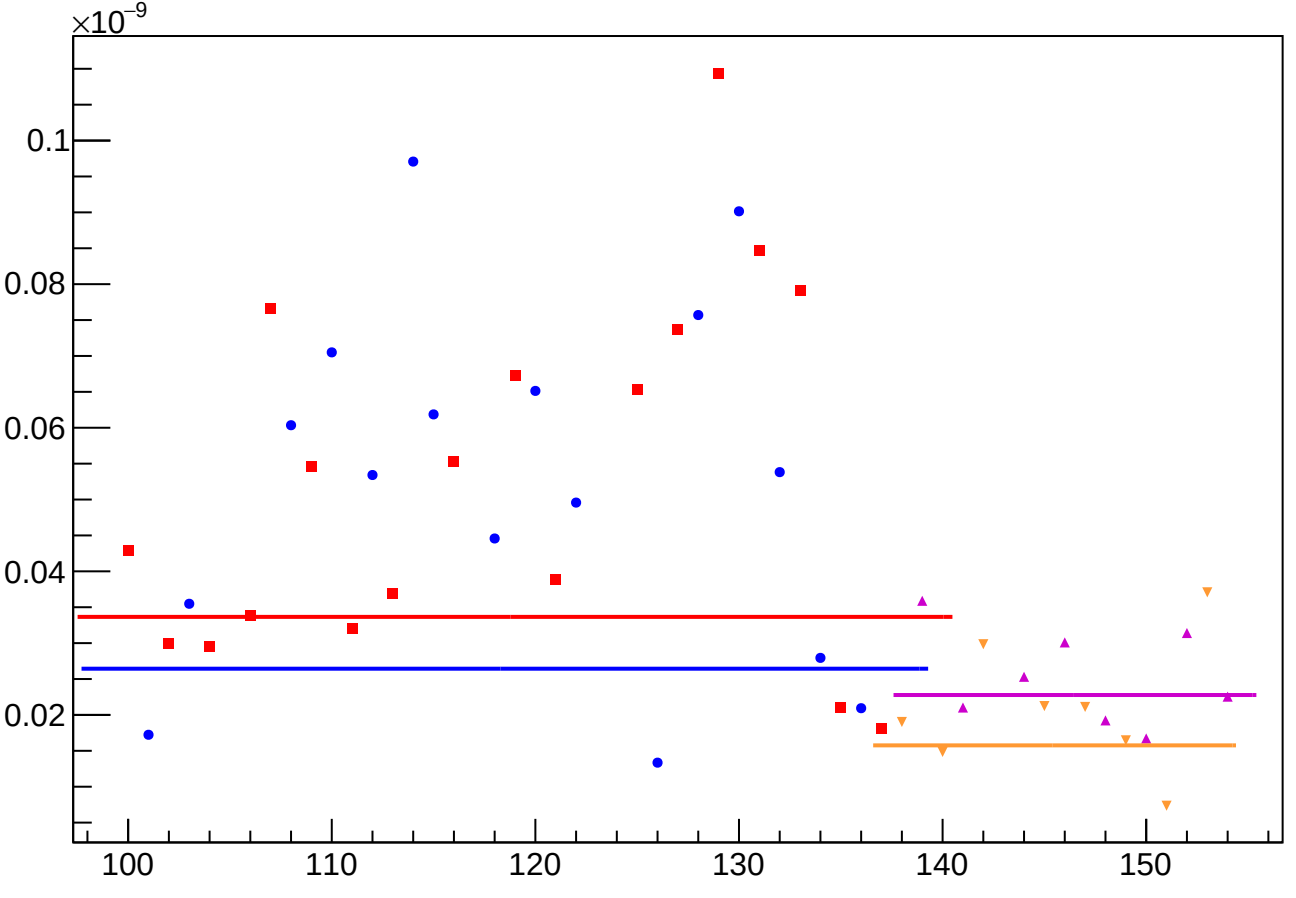
Left: 0.000+/-0.000 χ^2/NDF: 11.0/15

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

In: 0.000+/-0.000 χ^2/NDF:14.9/23

Out: -0.000+/-0.000 χ^2/NDF:29.5/25

All: -0.000+/-0.000 χ^2/NDF: 44.6/49



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:498856.4/7

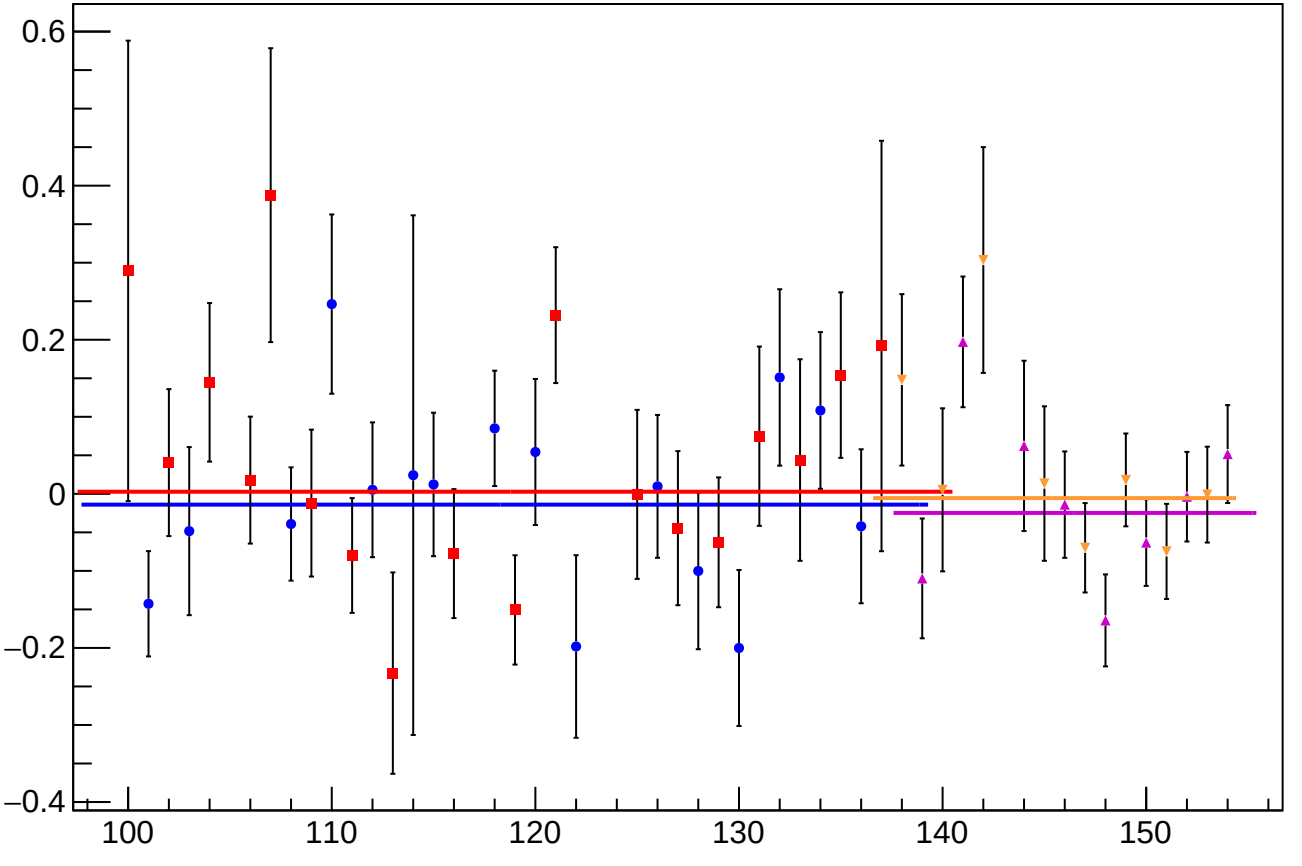
Left: 0.000+/-0.000 χ^2/NDF: 2179713.8/15

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

In: 0.000+/-0.000 χ^2/NDF:2713220.0/23

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

All: 0.000+/-0.000 χ^2/NDF: 7468315.4/49



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: -0.025+/-0.024 χ^2/NDF:16.2/7

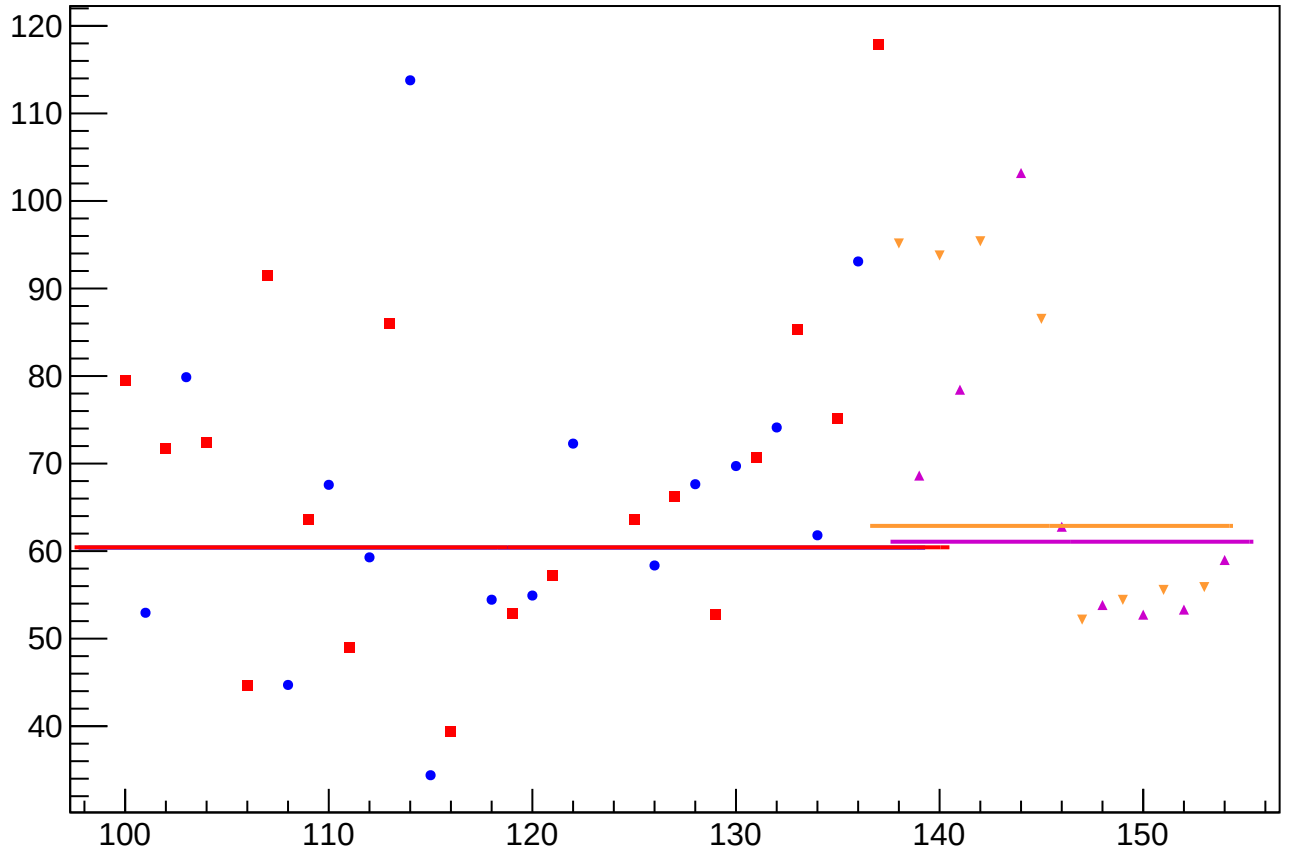
Left: -0.016+/-0.018 χ^2/NDF: 25.5/15

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

In: -0.019+/-0.017 χ^2/NDF:37.7/23

Out: -0.001+/-0.018 χ^2/NDF:36.9/25

All: -0.011+/-0.012 χ^2/NDF: 75.1/49



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: 61.072+/-0.017 χ^2/NDF:505400.5/7

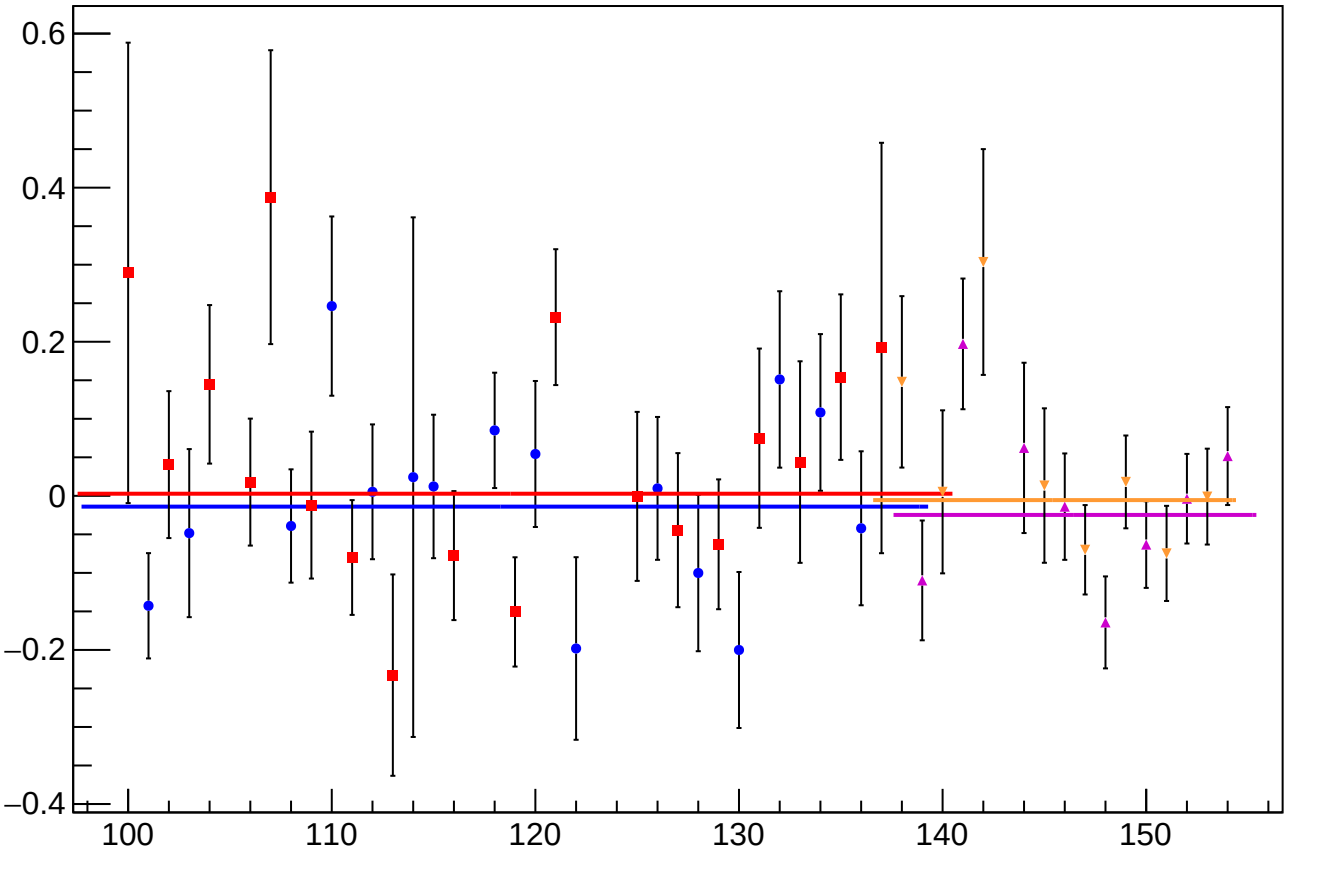
Left: 61.882+/-0.013 χ^2/NDF: 1219788.3/15

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

In: 60.734+/-0.012 χ^2/NDF:1209347.7/23

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

All: 61.108+/-0.009 χ^2/NDF: 2641177.2/49



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: -0.025+/-0.024 χ^2/NDF:16.2/7

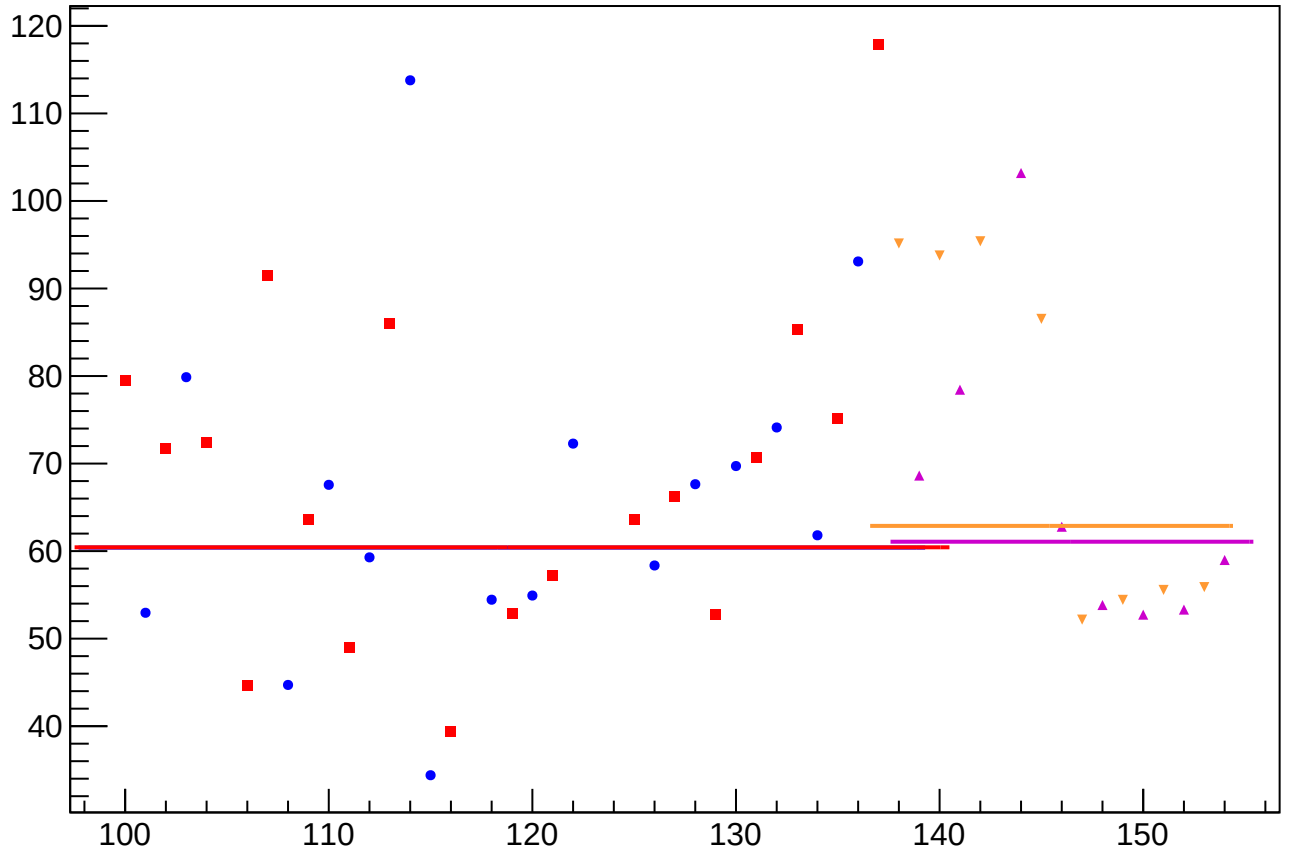
Left: -0.016+/-0.018 χ^2/NDF: 25.5/15

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

In: -0.019+/-0.017 χ^2/NDF:37.7/23

Out: -0.001+/-0.018 χ^2/NDF:36.9/25

All: -0.011+/-0.012 χ^2/NDF: 75.1/49



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: 61.072+/-0.017 χ^2/NDF:505400.5/7

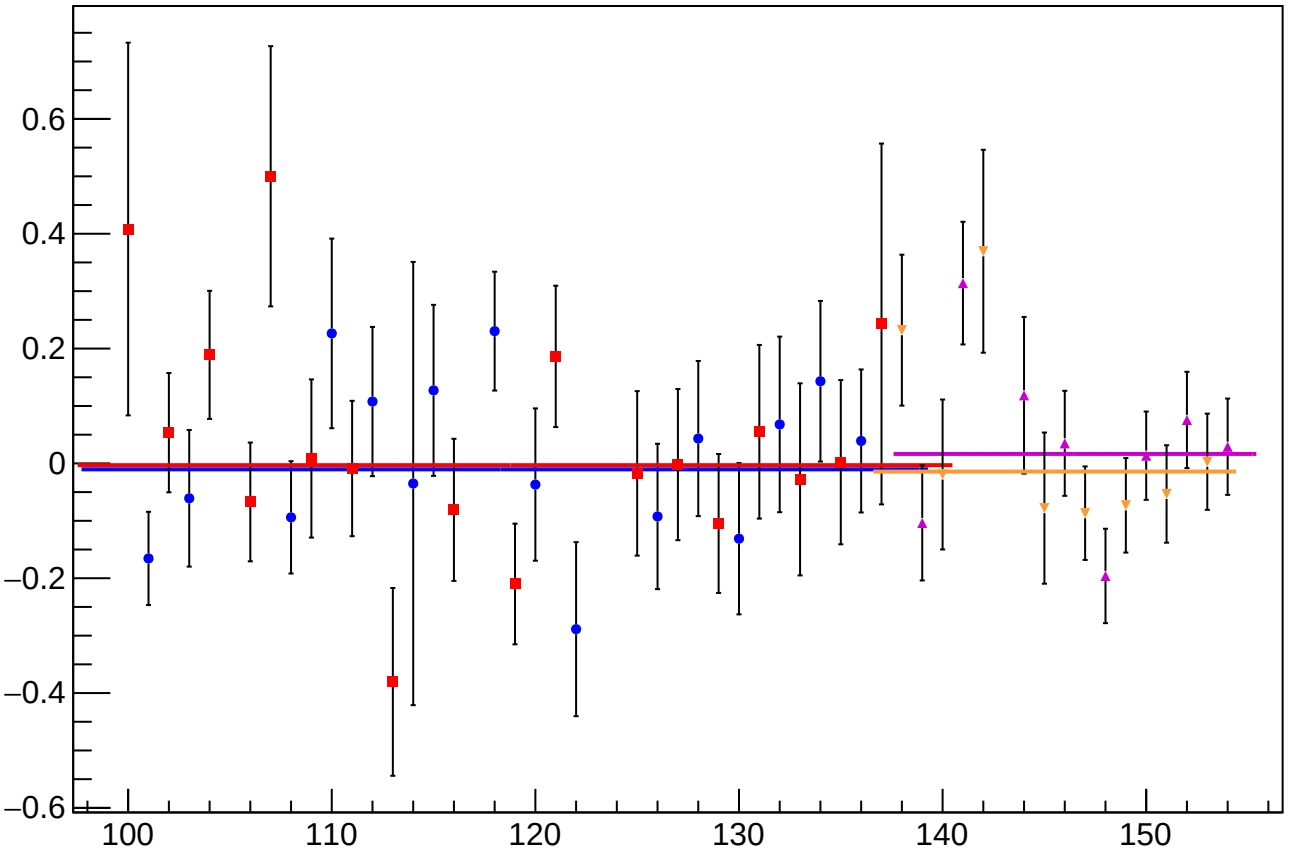
Left: 61.882+/-0.013 χ^2/NDF: 1219788.3/15

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

In: 60.734+/-0.012 χ^2/NDF:1209347.7/23

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

All: 61.108+/-0.009 χ^2/NDF: 2641177.2/49



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: 0.017+/-0.032 χ^2/NDF:17.0/7

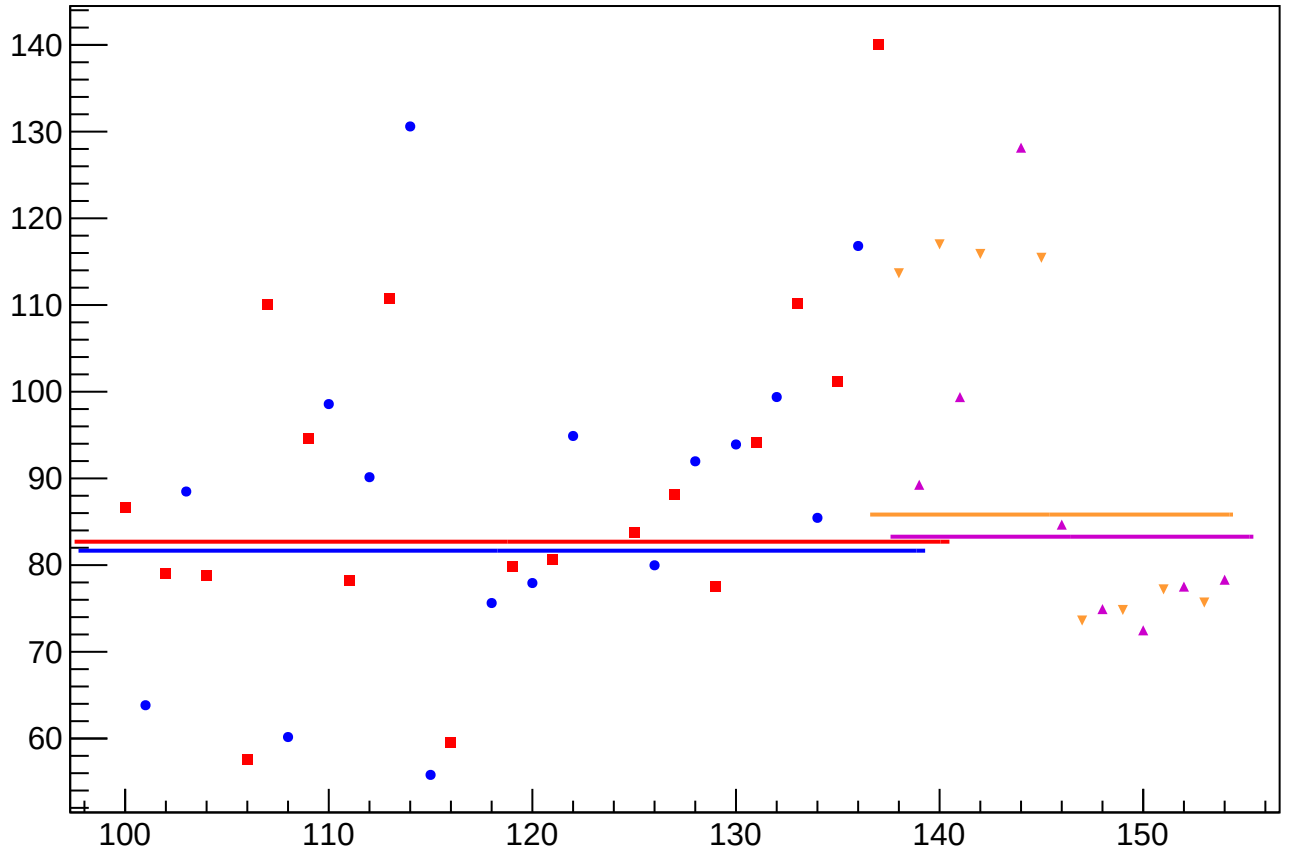
Left: 0.003+/-0.024 χ^2/NDF: 27.4/15

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

In: 0.003+/-0.023 χ^2/NDF:37.5/23

Out: -0.008+/-0.024 χ^2/NDF:33.7/25

All: -0.002+/-0.016 χ^2/NDF: 71.4/49



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: 83.277+/-0.023 χ^2/NDF:345829.2/7

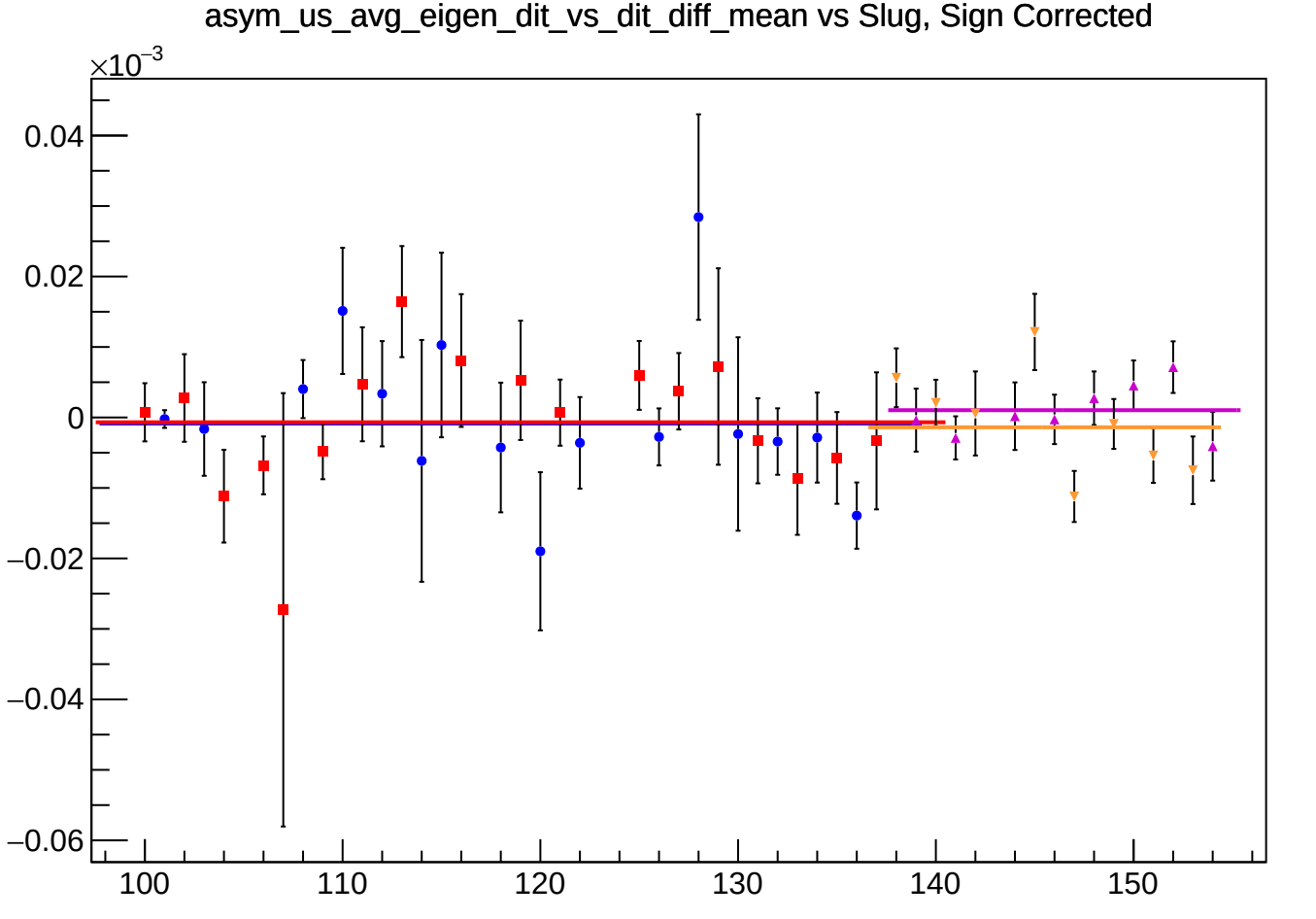
Left: 84.425+/-0.017 χ^2/NDF: 845058.8/15

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

In: 82.454+/-0.016 χ^2/NDF:910231.0/23

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

All: 83.229+/-0.012 χ^2/NDF: 1890434.5/49



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:7.0/7

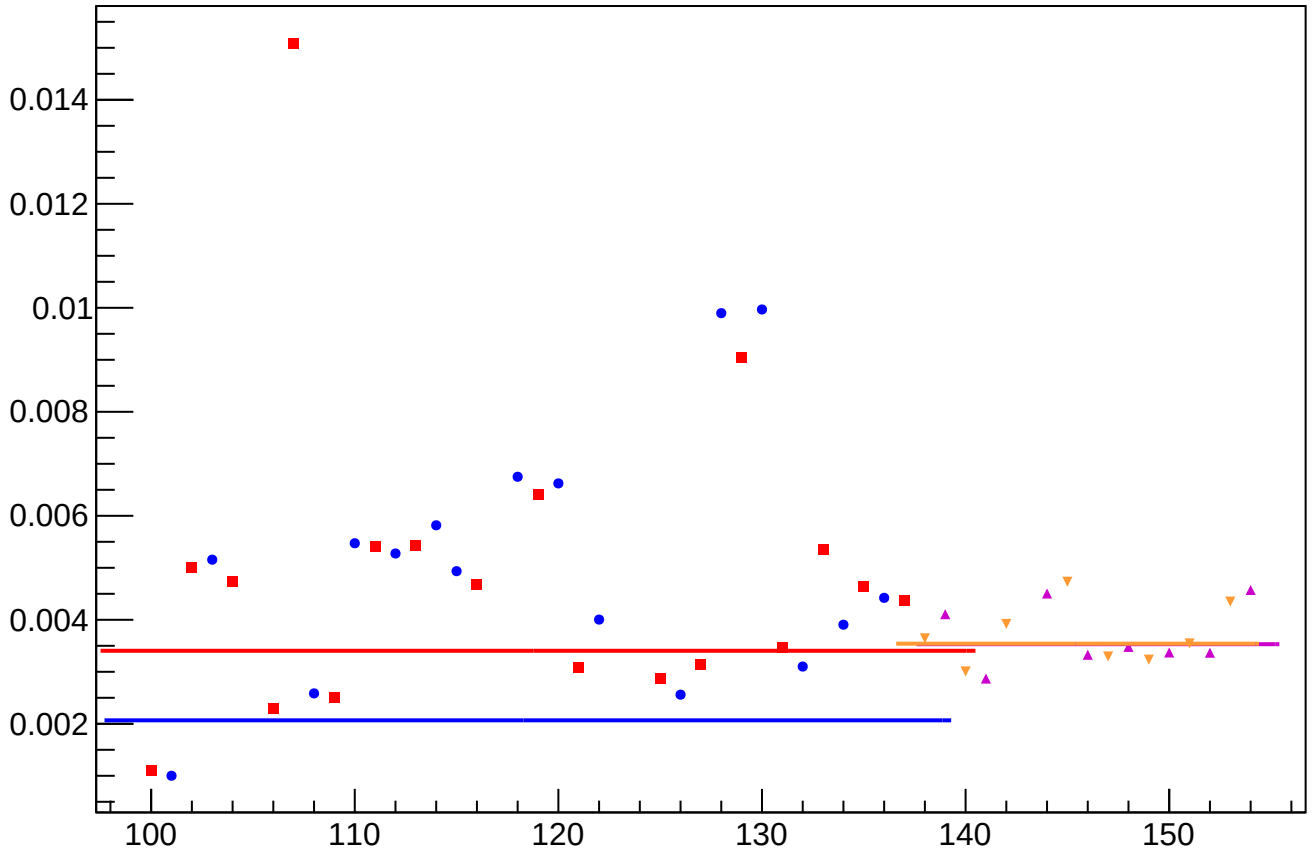
Left: -0.000+/-0.000 χ^2/NDF: 28.8/15

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

In: -0.000+/-0.000 χ^2/NDF:29.5/23

Out: -0.000+/-0.000 χ^2/NDF:38.8/25

All: -0.000+/-0.000 χ^2/NDF: 68.7/49



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: 0.004+/-0.000 χ^2/NDF:315754.2/7

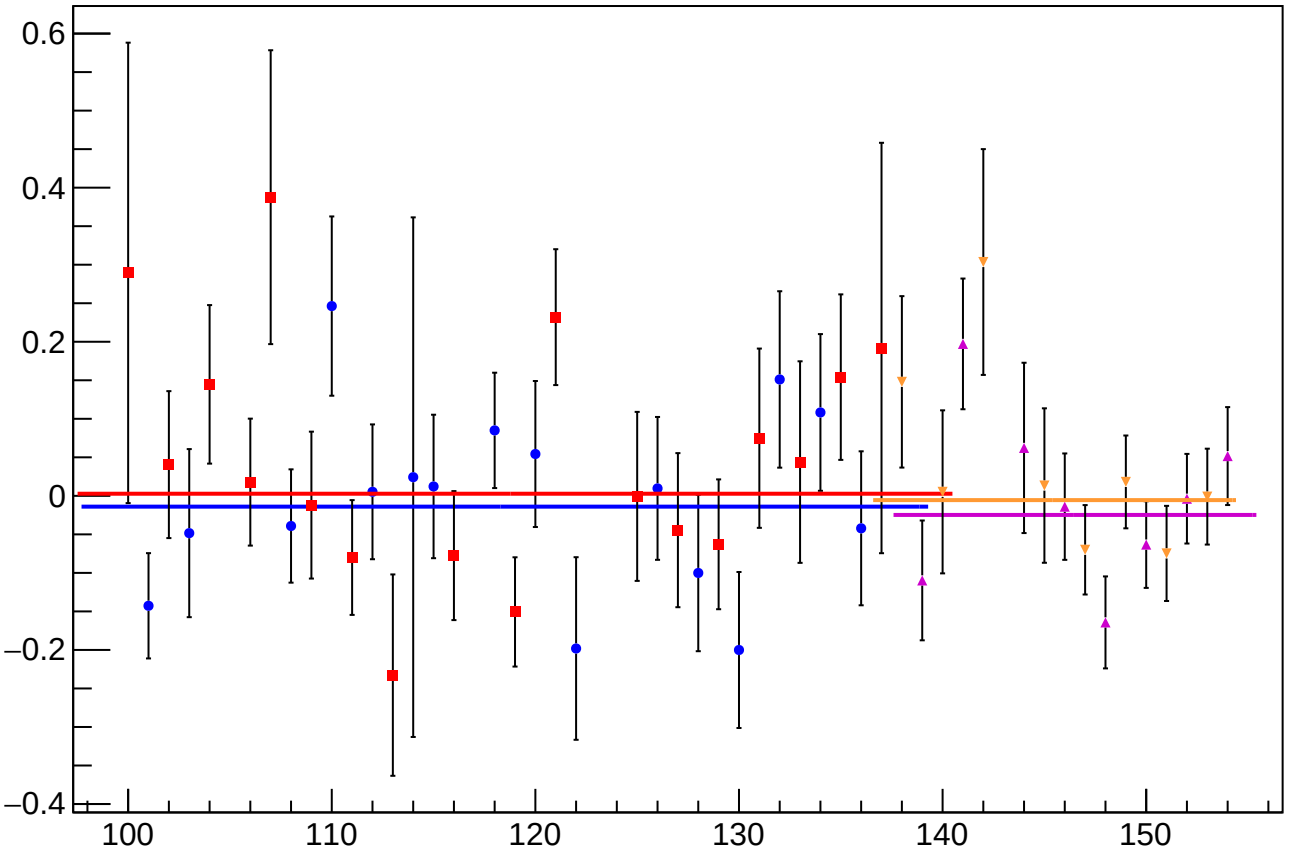
Left: 0.004+/-0.000 χ^2/NDF: 555841.5/15

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

In: 0.003+/-0.000 χ^2/NDF:7634362.7/23

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

All: 0.003+/-0.000 χ^2/NDF: 11298787.5/49



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: -0.025+/-0.024 χ^2/NDF:16.2/7

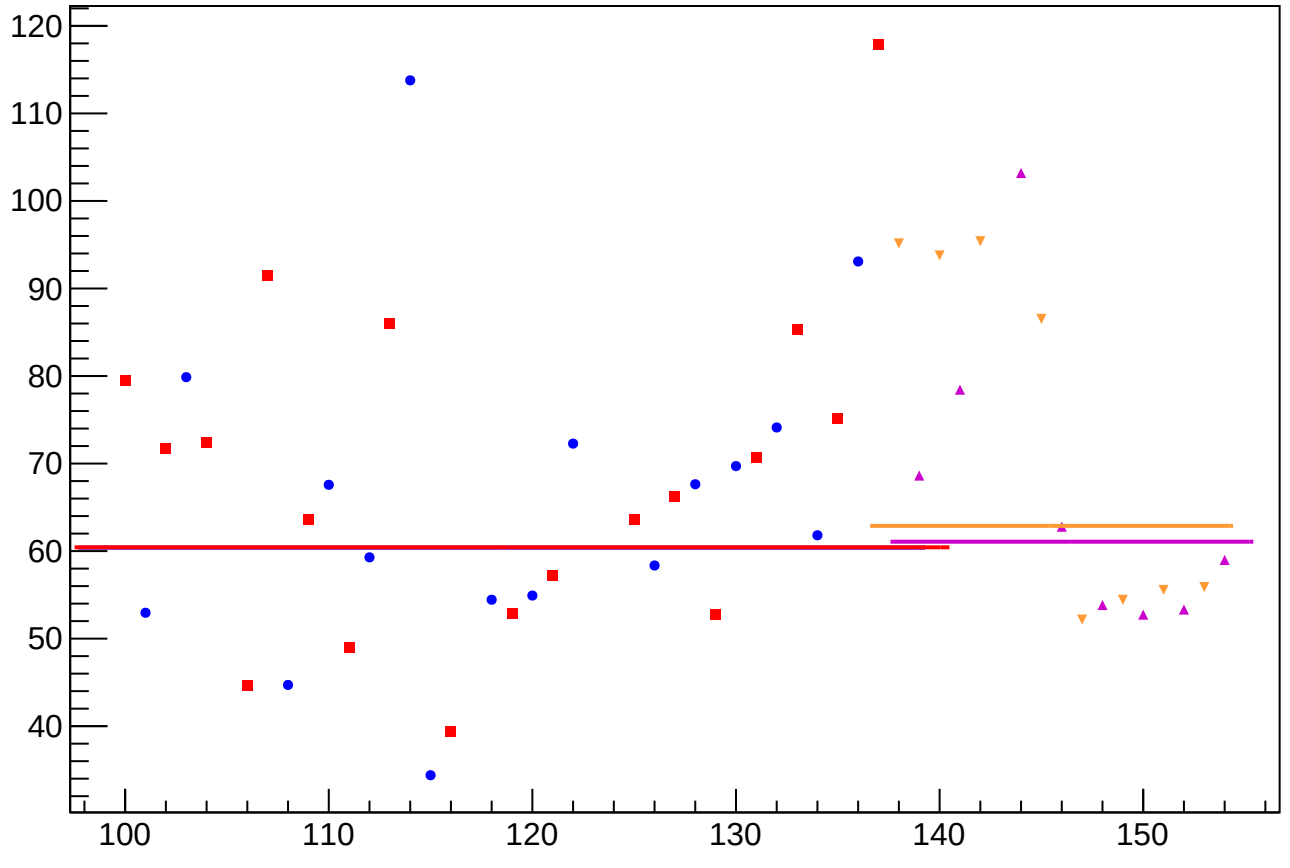
Left: -0.016+/-0.018 χ^2/NDF: 25.5/15

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

In: -0.019+/-0.017 χ^2/NDF:37.7/23

Out: -0.001+/-0.018 χ^2/NDF:36.9/25

All: -0.011+/-0.012 χ^2/NDF: 75.1/49



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: 61.072+/-0.017 χ^2/NDF:505397.2/7

Left: 61.882+/-0.013 χ^2/NDF: 1219777.1/15

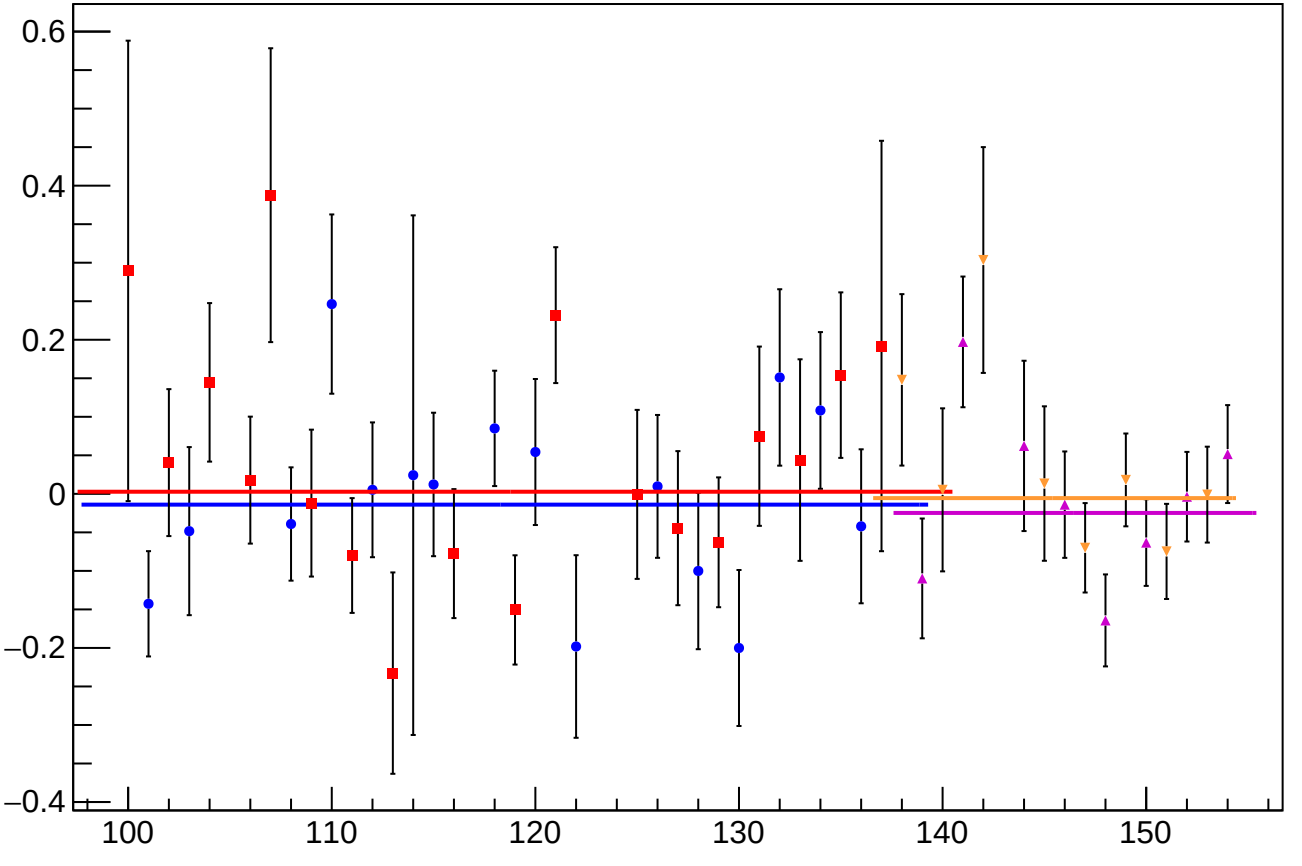
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.733+/-0.012 χ^2/NDF:1209360.1/23

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

All: 61.107+/-0.009 χ^2/NDF: 2641224.3/49

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: -0.025+/-0.024 χ^2/NDF:16.2/7

Left: -0.016+/-0.018 χ^2/NDF: 25.5/15

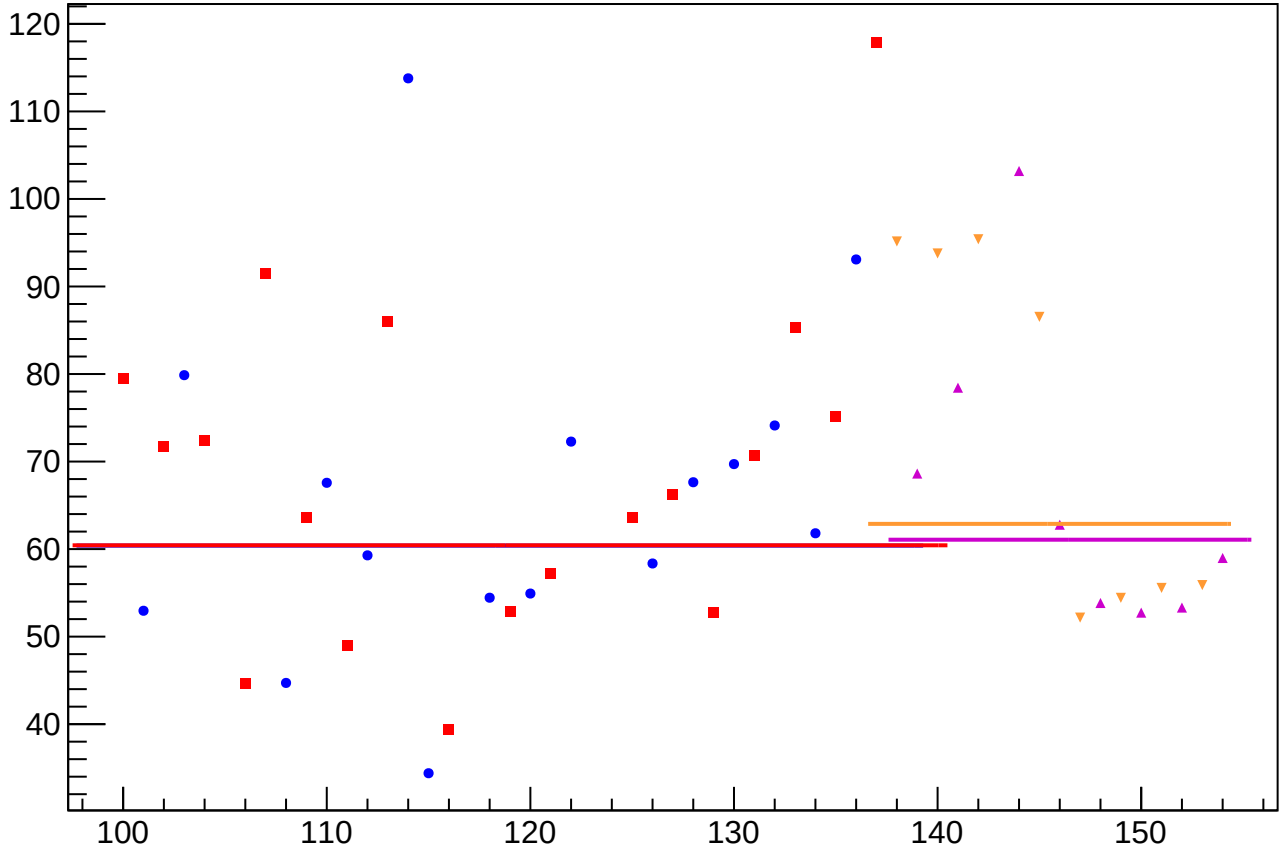
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.019+/-0.017 χ^2/NDF:37.7/23

Out: -0.001+/-0.018 χ^2/NDF:36.9/25

All: -0.011+/-0.012 χ^2/NDF: 75.1/49

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 61.072+/-0.017 χ^2/NDF:505397.2/7

Left: 61.882+/-0.013 χ^2/NDF: 1219777.1/15

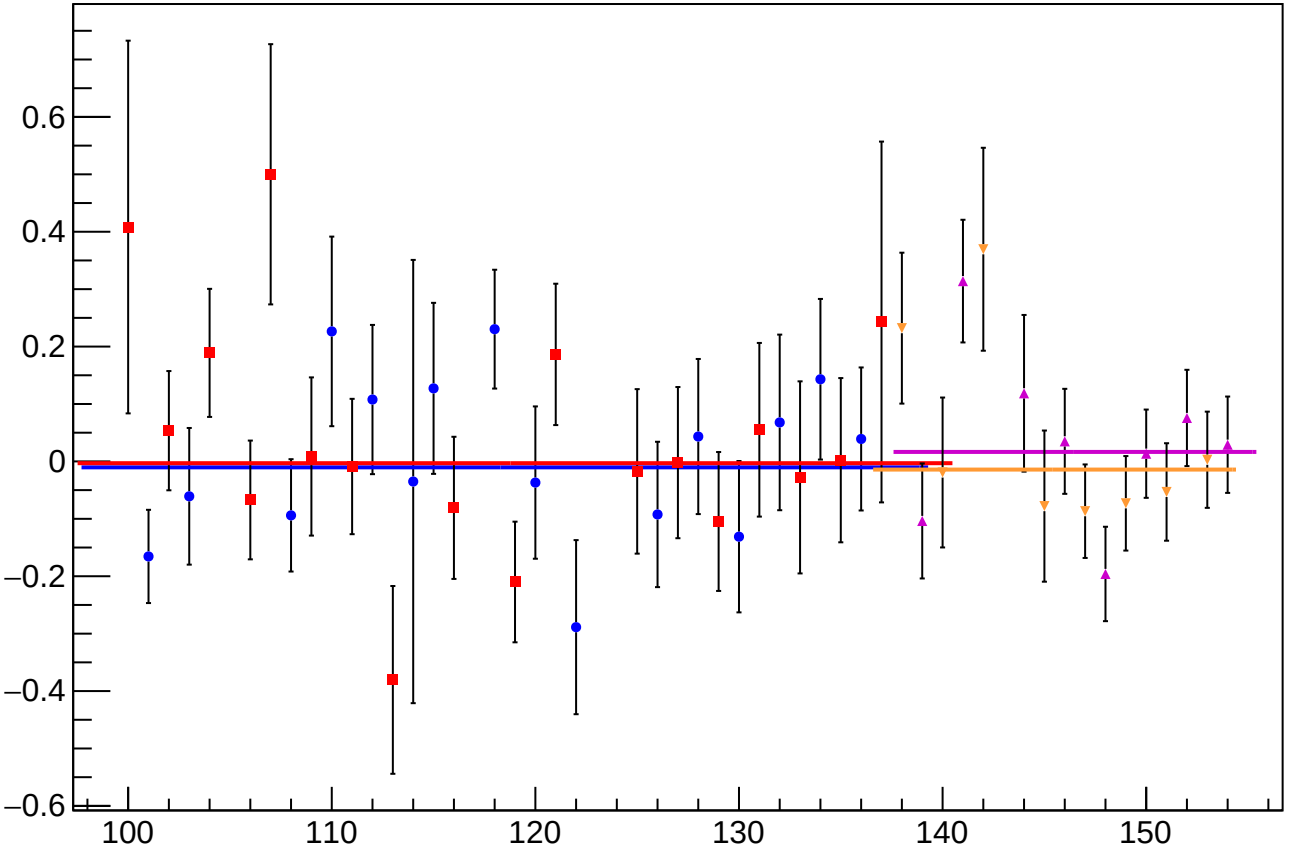
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.733+/-0.012 χ^2/NDF:1209360.1/23

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

All: 61.107+/-0.009 χ^2/NDF: 2641224.3/49

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: 0.017+/-0.032 χ^2/NDF:17.0/7

Left: 0.003+/-0.024 χ^2/NDF: 27.4/15

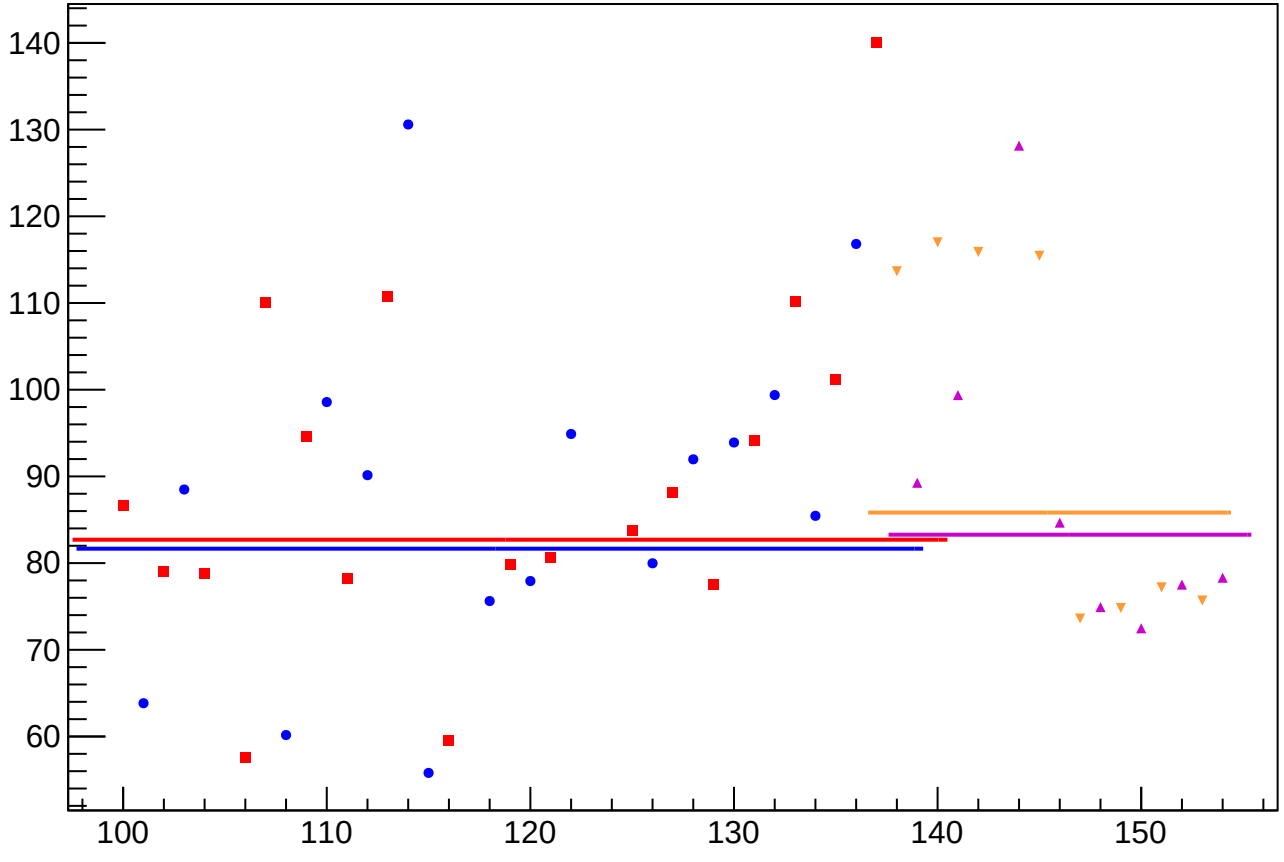
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.003+/-0.023 χ^2/NDF:37.5/23

Out: -0.008+/-0.024 χ^2/NDF:33.7/25

All: -0.002+/-0.016 χ^2/NDF: 71.4/49

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 85.831+/-0.025 χ^2/NDF:493581.1/7

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

Left In: 83.277+/-0.023 χ^2/NDF:345829.8/7

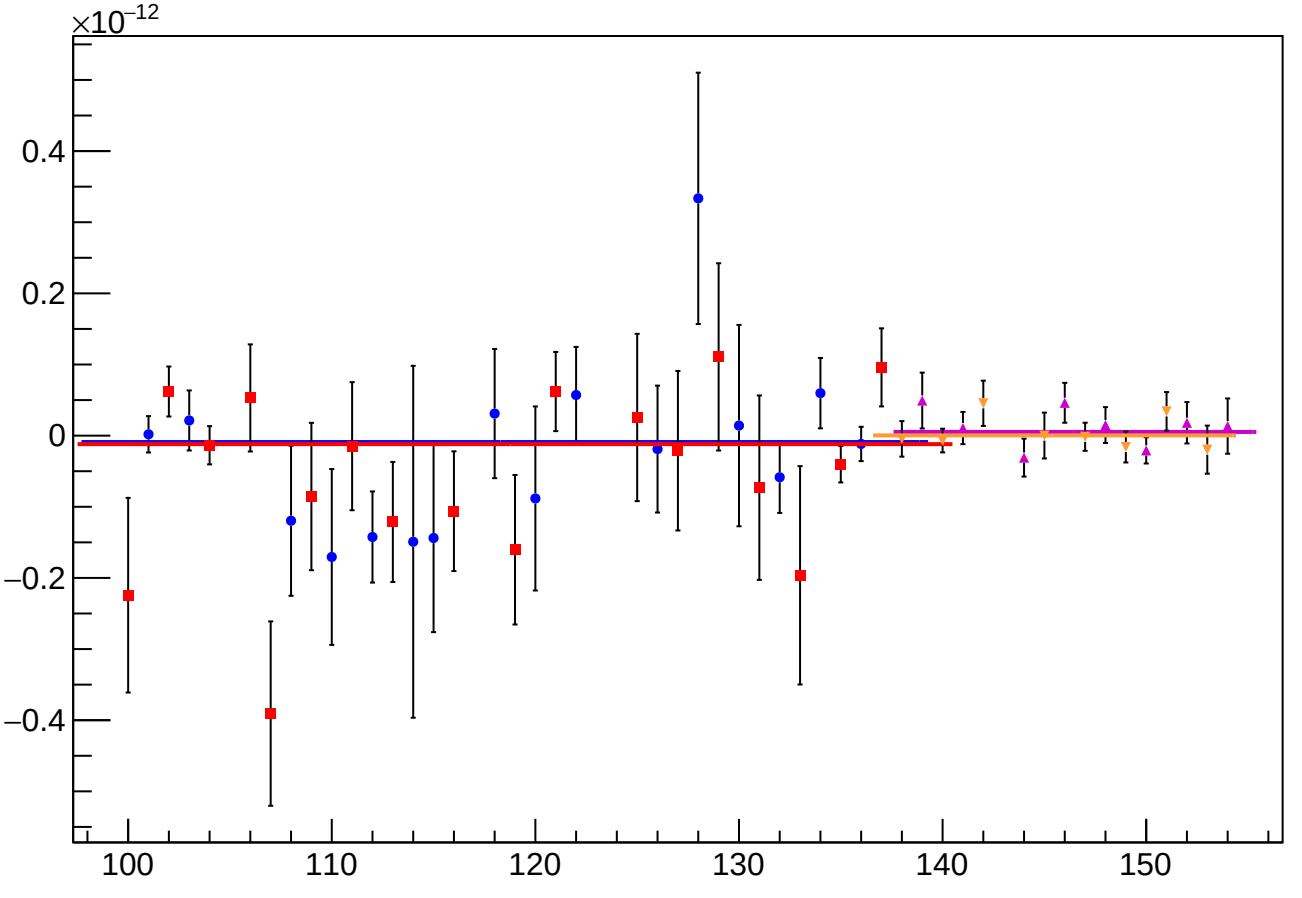
Left: 84.425+/-0.017 χ^2/NDF: 845055.0/15

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

In: 82.454+/-0.016 χ^2/NDF:910222.2/23

Out: 84.084+/-0.017 χ^2/NDF:975243.8/25

All: 83.229+/-0.012 χ^2/NDF: 1890423.8/49



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:7.7/7

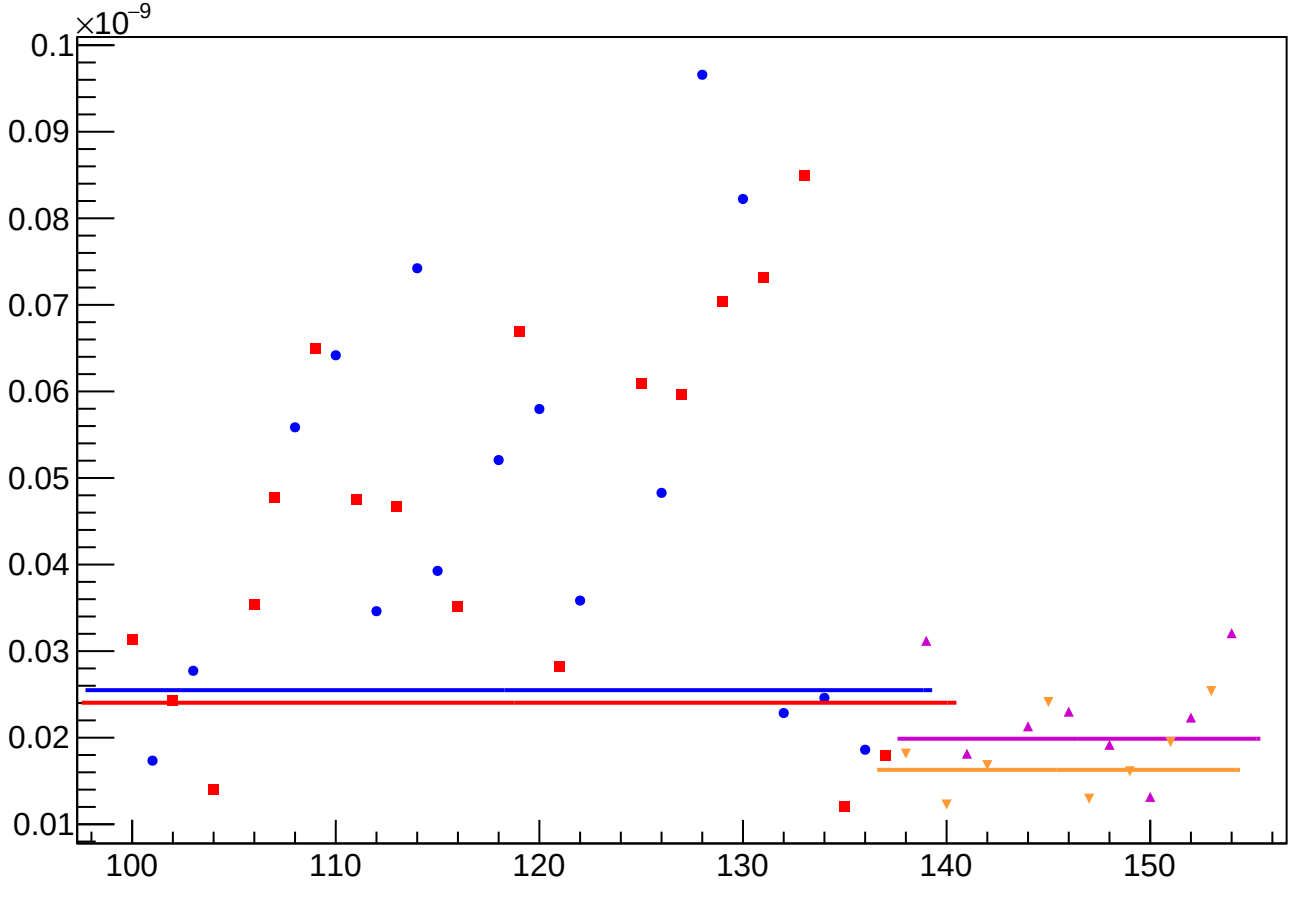
Left: 0.000+/-0.000 χ^2/NDF: 12.5/15

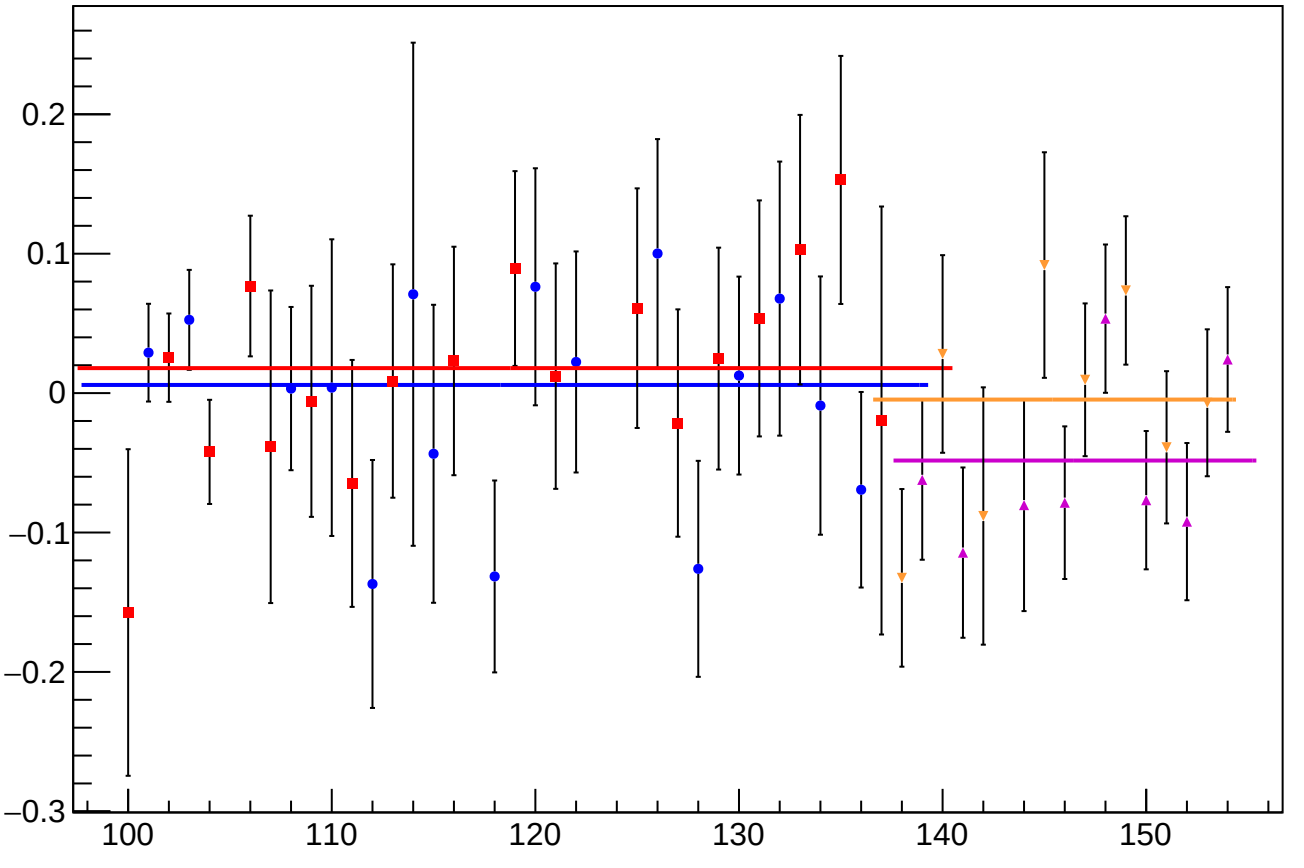
Right: -0.000+/-0.000 χ^2/NDF: 48.5/33

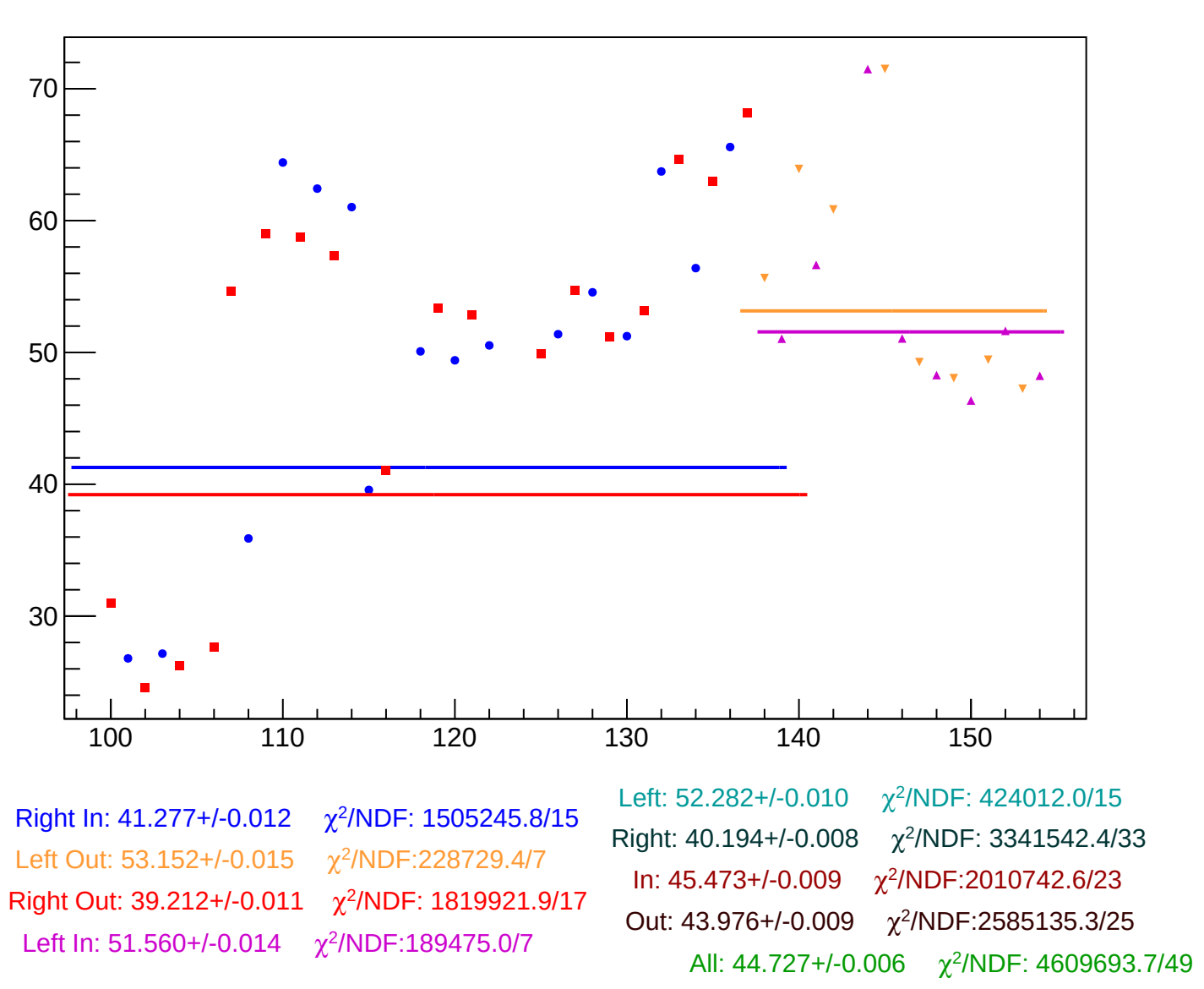
In: 0.000+/-0.000 χ^2/NDF:25.9/23

Out: -0.000+/-0.000 χ^2/NDF:36.4/25

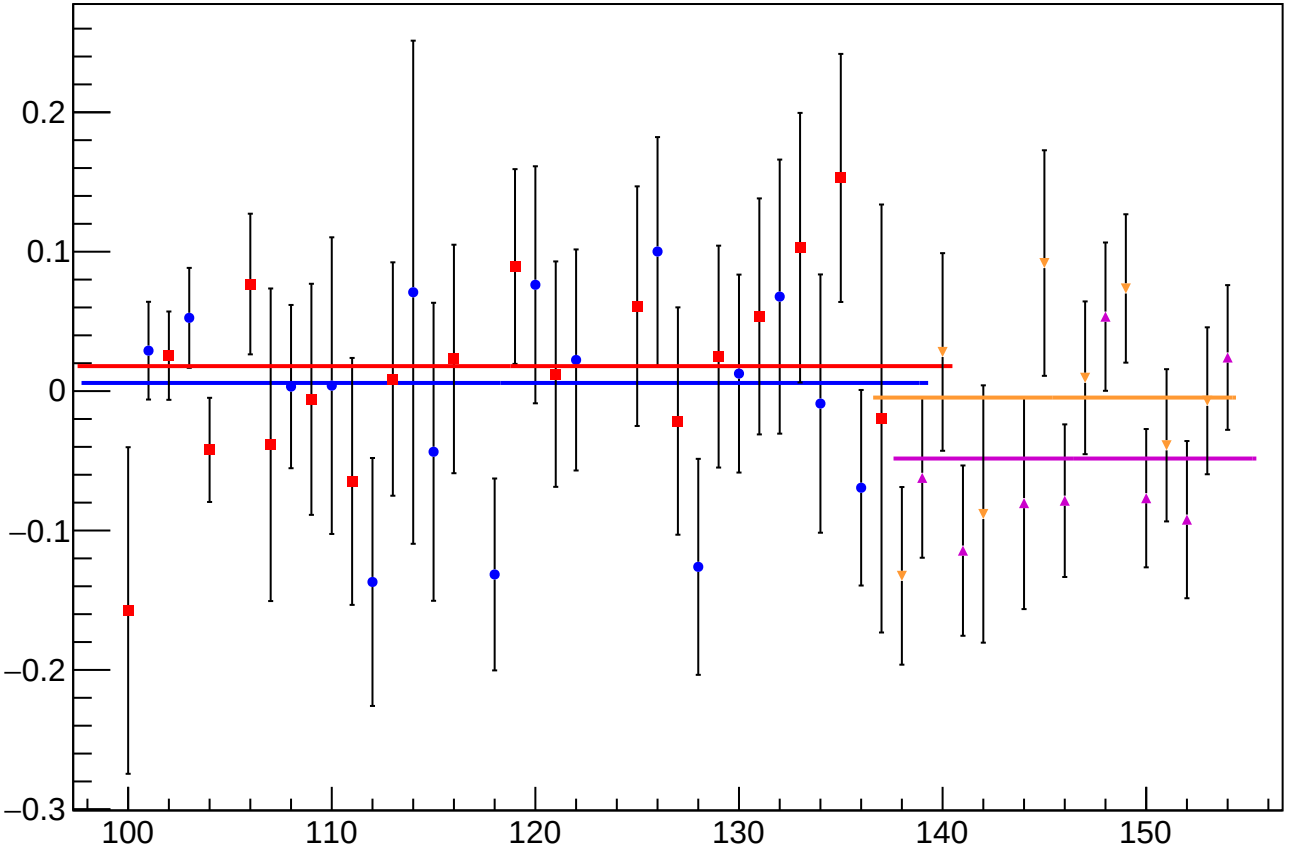
All: -0.000+/-0.000 χ^2/NDF: 62.4/49


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:688477.8/7
Left: 0.000+/-0.000 χ²/NDF: 1329253.8/15
Right: 0.000+/-0.000 χ²/NDF: 5096304.5/33
In: 0.000+/-0.000 χ²/NDF:2929417.1/23
Out: 0.000+/-0.000 χ²/NDF:4040705.0/25
All: 0.000+/-0.000 χ²/NDF: 7163029.9/49


asym_us_avg_overload_cor_vs_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: -0.048+/-0.020 χ²/NDF:8.3/7
Left: -0.029+/-0.015 χ²/NDF: 19.6/15
Right: 0.012+/-0.011 χ²/NDF: 28.2/33
In: -0.016+/-0.013 χ²/NDF:28.2/23
Out: 0.010+/-0.013 χ²/NDF:22.1/25
All: -0.003+/-0.009 χ²/NDF: 52.5/49


asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
100
110
120
130
140
150
Right In: 41.277+/-0.012 χ²/NDF: 1505245.8/15
Left Out: 53.152+/-0.015 χ²/NDF:228729.4/7
Right Out: 39.212+/-0.011 χ²/NDF: 1819921.9/17
Left In: 51.560+/-0.014 χ²/NDF:189475.0/7
Left: 52.282+/-0.010 χ²/NDF: 424012.0/15
Right: 40.194+/-0.008 χ²/NDF: 3341542.4/33
In: 45.473+/-0.009 χ²/NDF:2010742.6/23
Out: 43.976+/-0.009 χ²/NDF:2585135.3/25
All: 44.727+/-0.006 χ²/NDF: 4609693.7/49

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: -0.048+/-0.020 χ^2/NDF:8.3/7

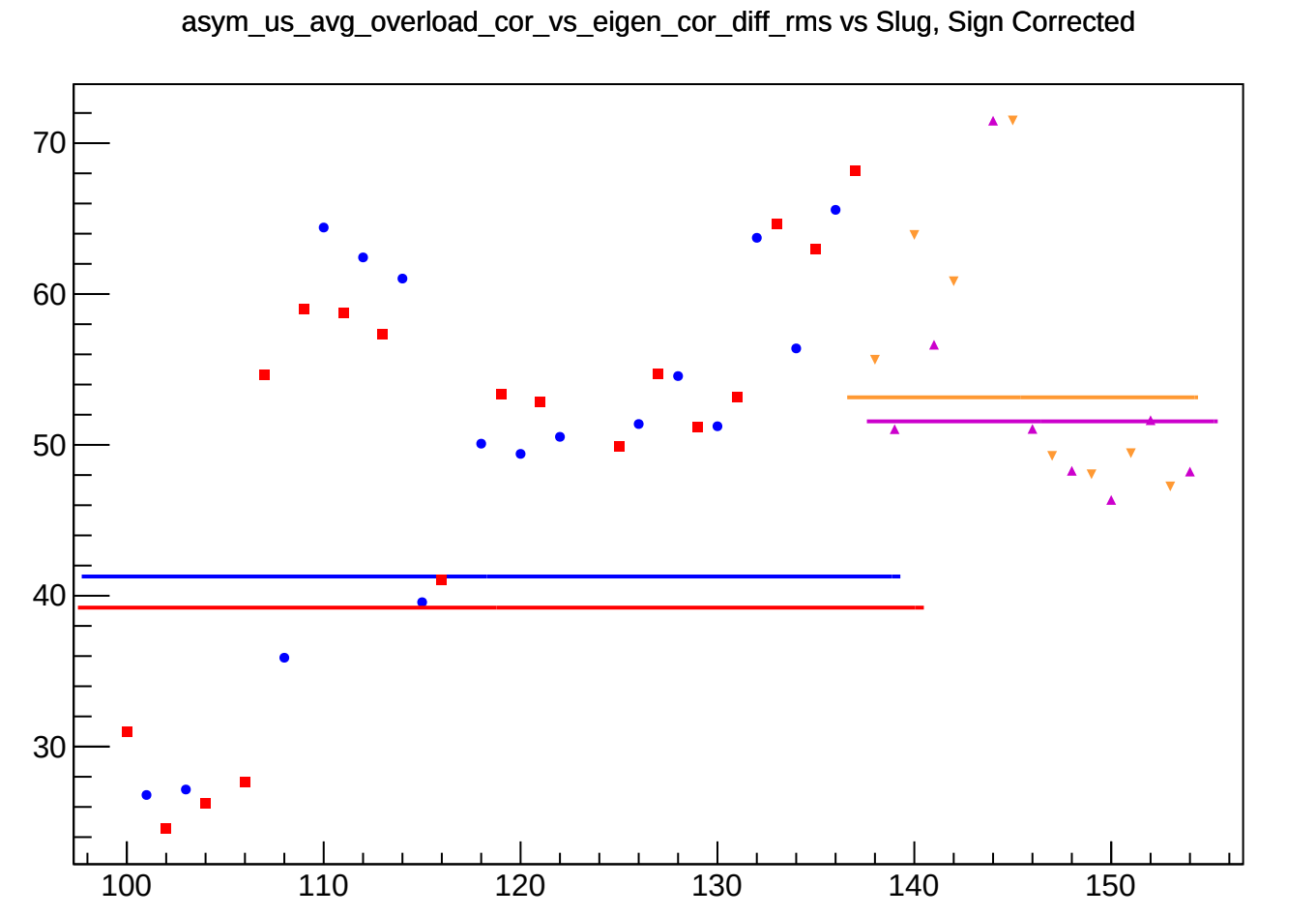
Left: -0.029+/-0.015 χ^2/NDF: 19.6/15

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.013 χ^2/NDF:28.2/23

Out: 0.010+/-0.013 χ^2/NDF:22.1/25

All: -0.003+/-0.009 χ^2/NDF: 52.5/49



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: 51.560+/-0.014 χ^2/NDF:189475.0/7

Left: 52.282+/-0.010 χ^2/NDF: 424012.0/15

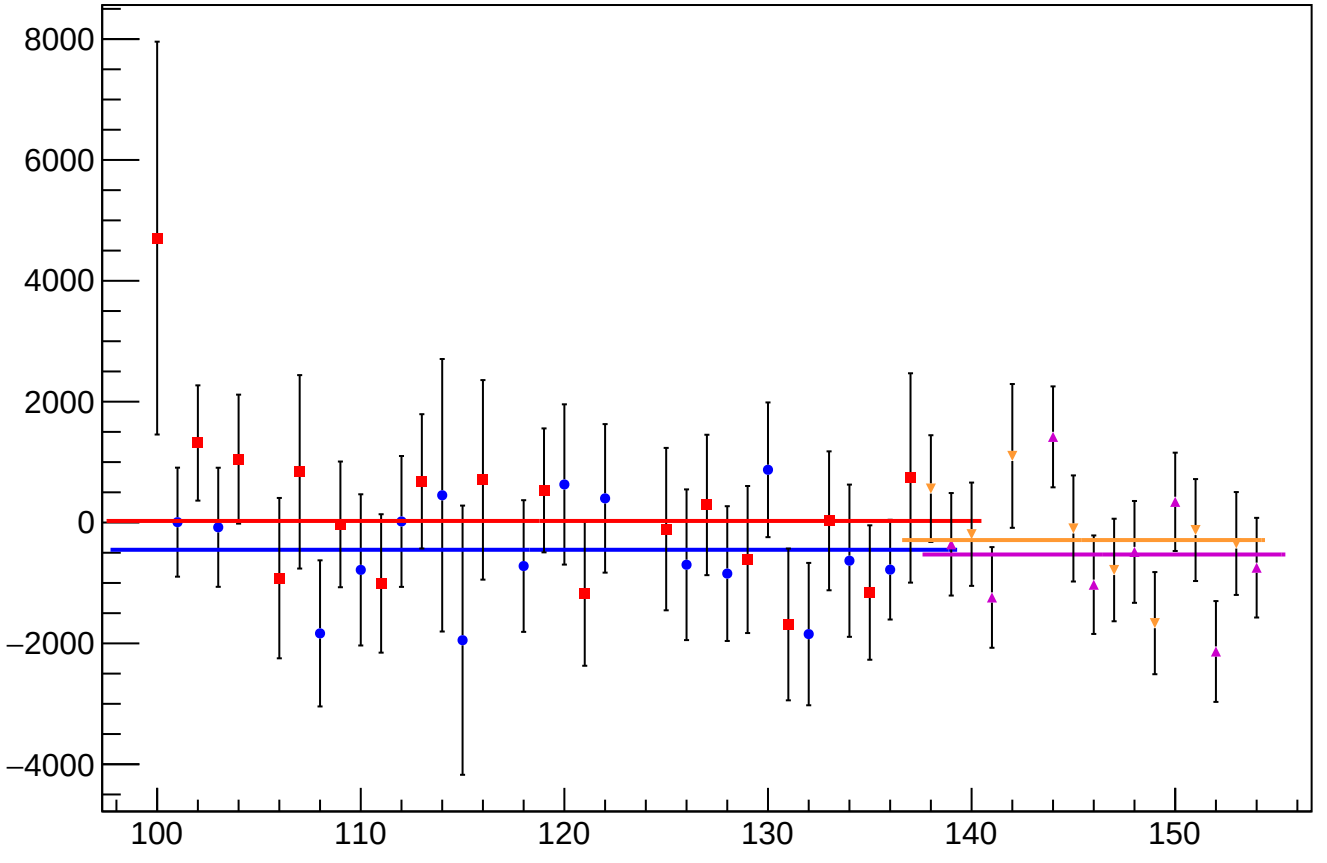
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 45.473+/-0.009 χ^2/NDF:2010742.6/23

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

All: 44.727+/-0.006 χ^2/NDF: 4609693.7/49

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: -529.005+/-293.647 χ^2/NDF:11.5/7

Left: -417.078+/-214.039 χ^2/NDF: 17.2/15

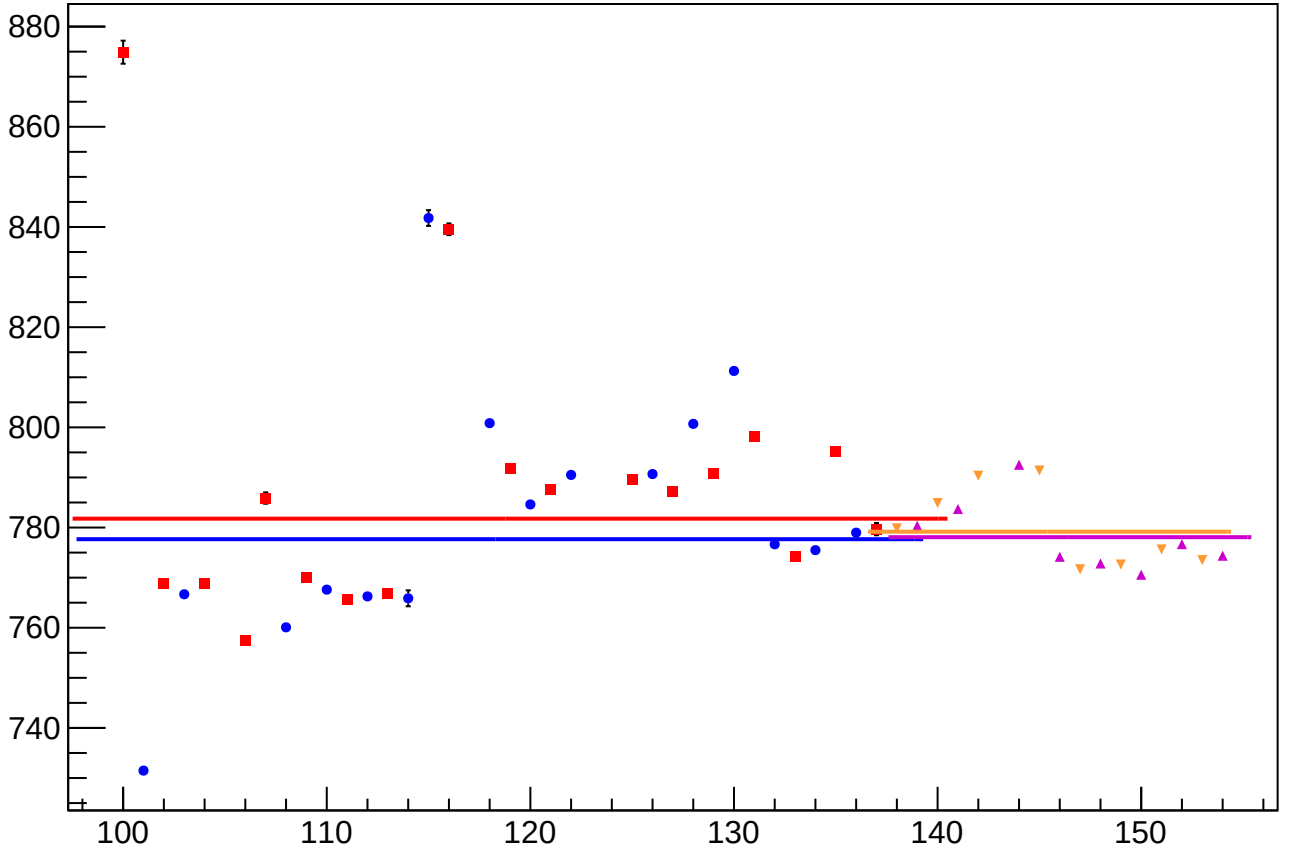
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -489.350+/-205.959 χ^2/NDF:18.5/23

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

All: -309.468+/-147.675 χ^2/NDF: 37.7/49

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: 778.077+/-0.208 χ^2/NDF:1044.9/7

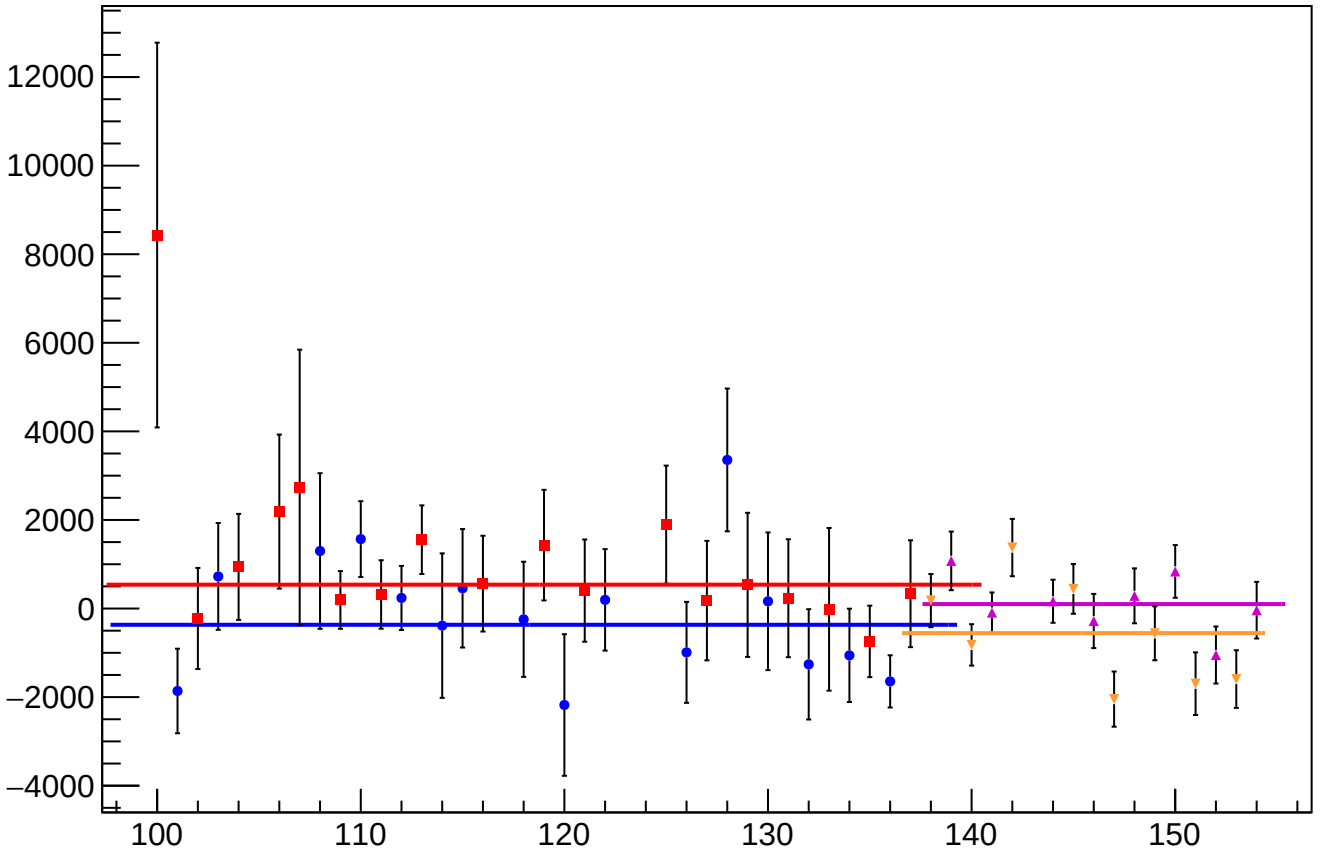
Left: 778.592+/-0.151 χ^2/NDF: 2113.3/15

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

In: 777.873+/-0.146 χ^2/NDF:13102.3/23

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

All: 779.189+/-0.104 χ^2/NDF: 22026.9/49



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: 100.797+/-202.772 χ^2/NDF:7.6/7

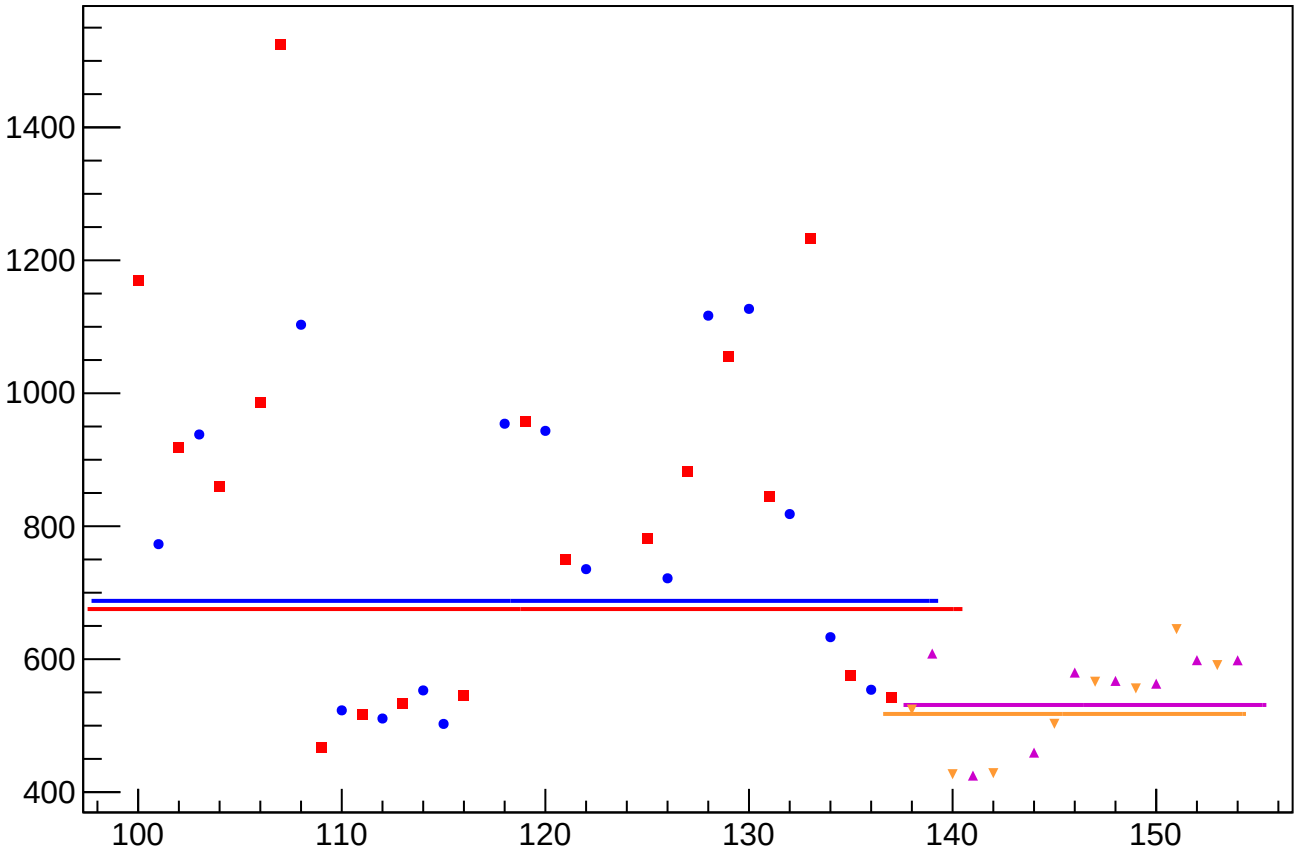
Left: -214.620+/-146.067 χ^2/NDF: 37.4/15

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

In: -70.565+/-161.416 χ^2/NDF:32.9/23

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

All: -98.449+/-115.166 χ^2/NDF: 79.9/49



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: 531.120+/-0.143 χ^2/NDF:249670.6/7

Left: 524.630+/-0.103 χ^2/NDF: 479478.0/15

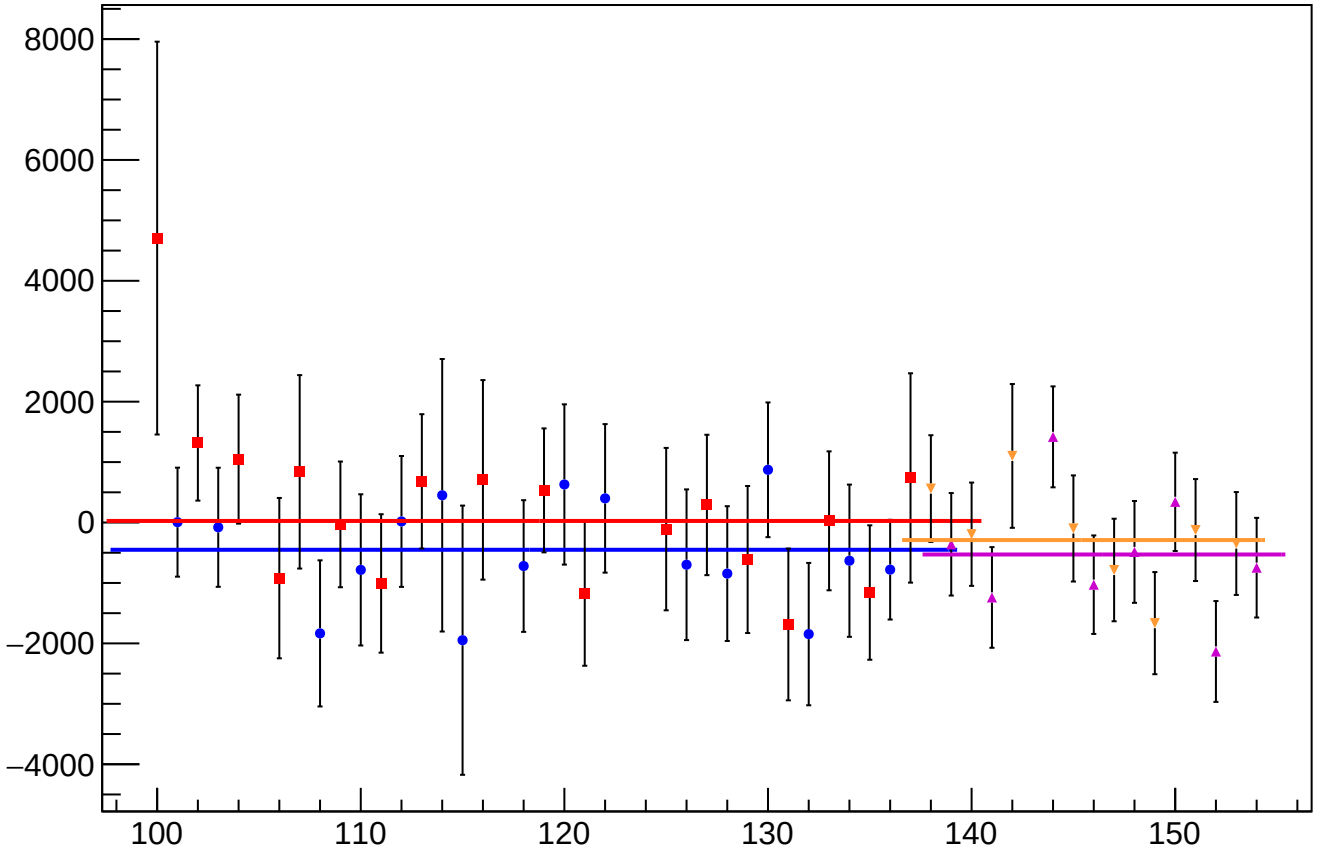
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 588.483+/-0.114 χ^2/NDF:1718526.4/23

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

All: 583.973+/-0.081 χ^2/NDF: 3699053.8/49

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: -529.005+/-293.647 χ^2/NDF:11.5/7

Left: -417.078+/-214.039 χ^2/NDF: 17.2/15

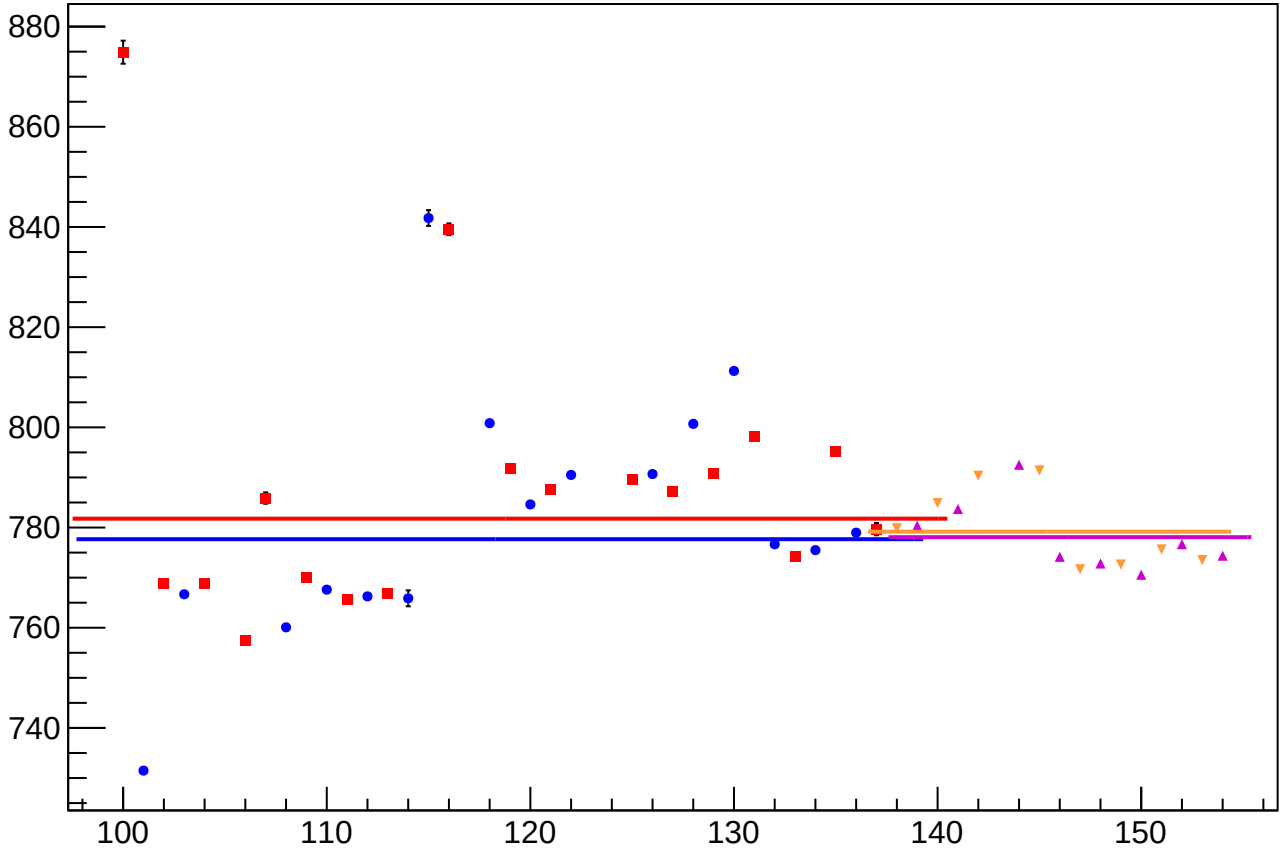
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -489.350+/-205.959 χ^2/NDF:18.5/23

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

All: -309.468+/-147.675 χ^2/NDF: 37.7/49

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: 778.077+/-0.208 χ^2/NDF:1044.9/7

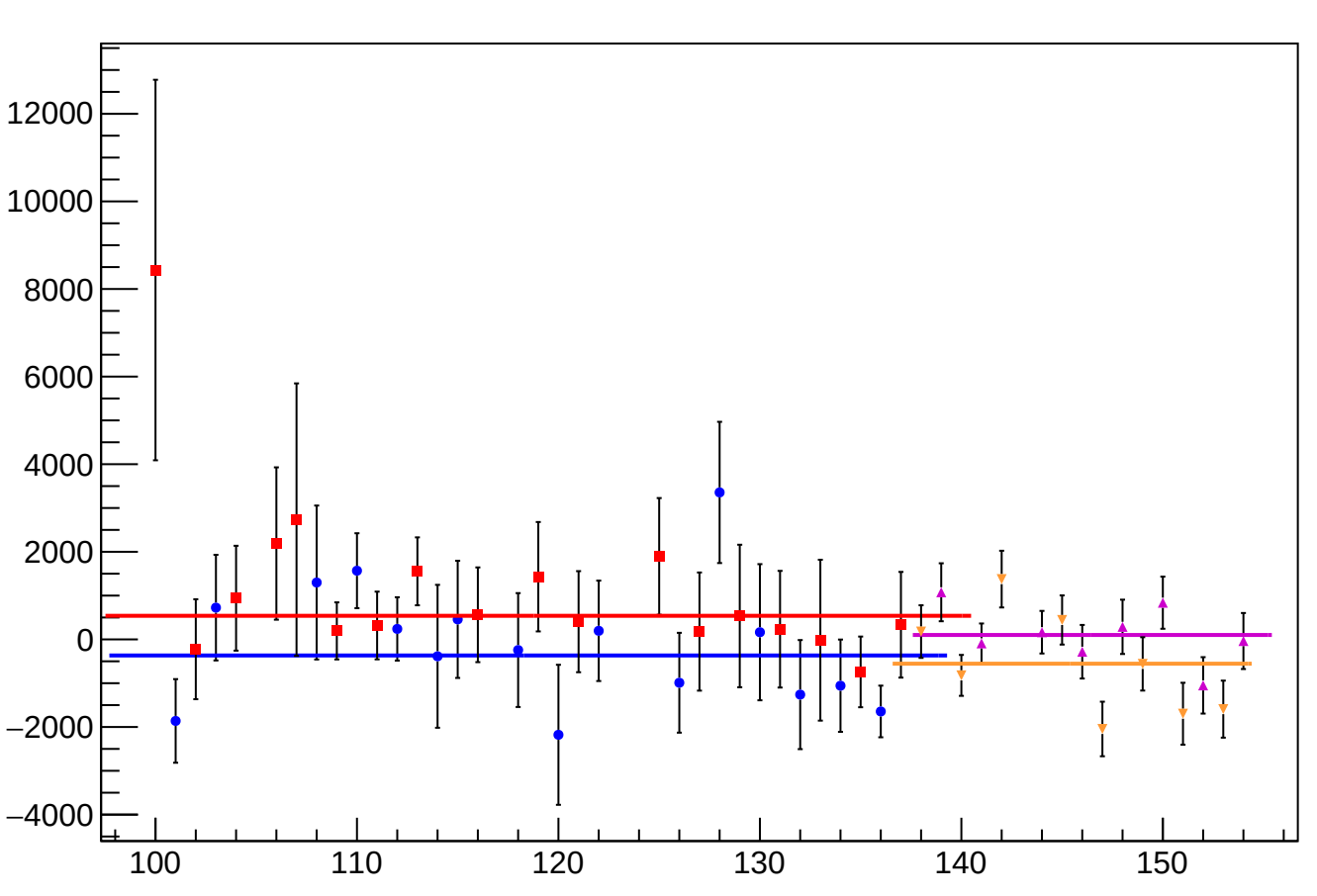
Left: 778.592+/-0.151 χ^2/NDF: 2113.3/15

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

In: 777.873+/-0.146 χ^2/NDF:13102.3/23

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

All: 779.189+/-0.104 χ^2/NDF: 22026.9/49



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: 100.797+/-202.772 χ^2/NDF:7.6/7

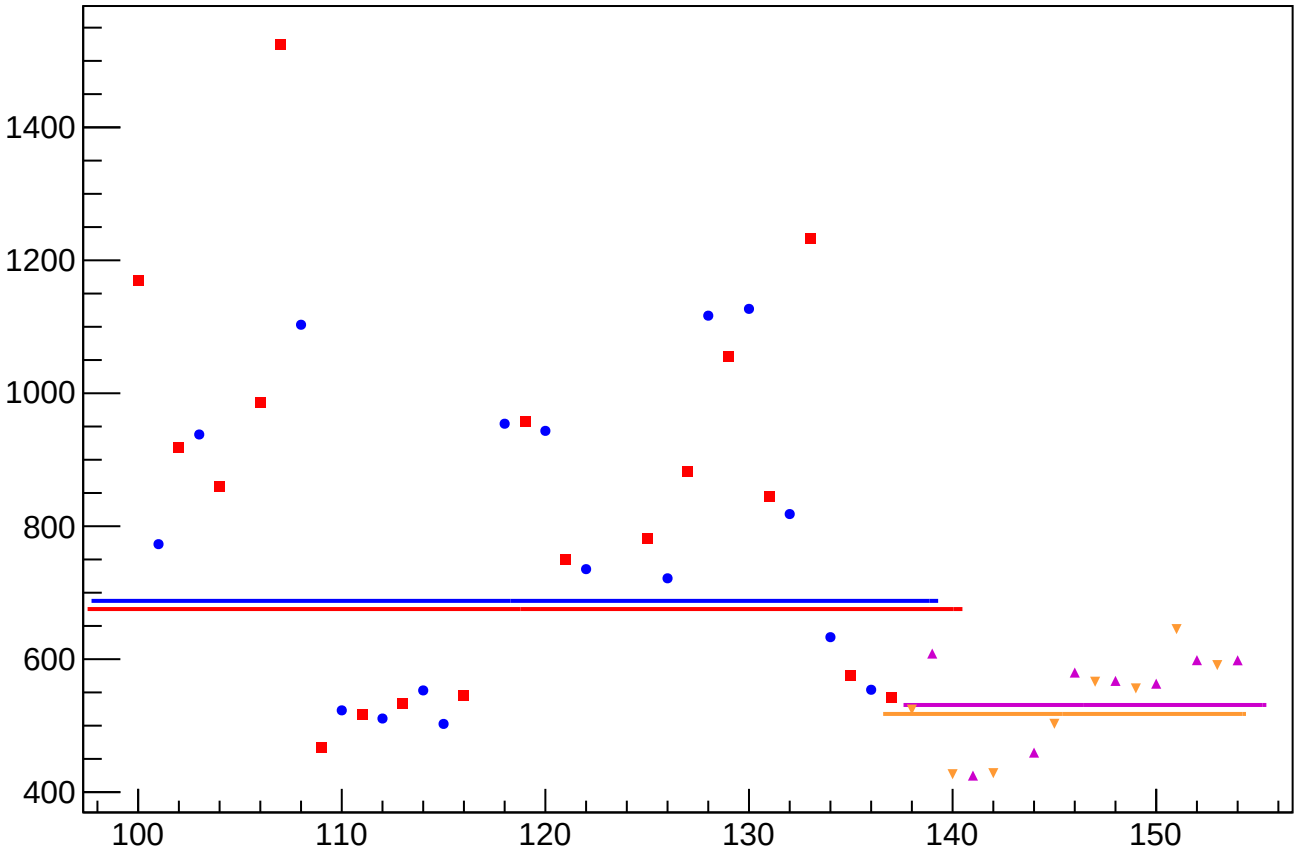
Left: -214.620+/-146.067 χ^2/NDF: 37.4/15

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

In: -70.565+/-161.416 χ^2/NDF:32.9/23

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

All: -98.449+/-115.166 χ^2/NDF: 79.9/49



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: 531.120+/-0.143 χ^2/NDF:249670.6/7

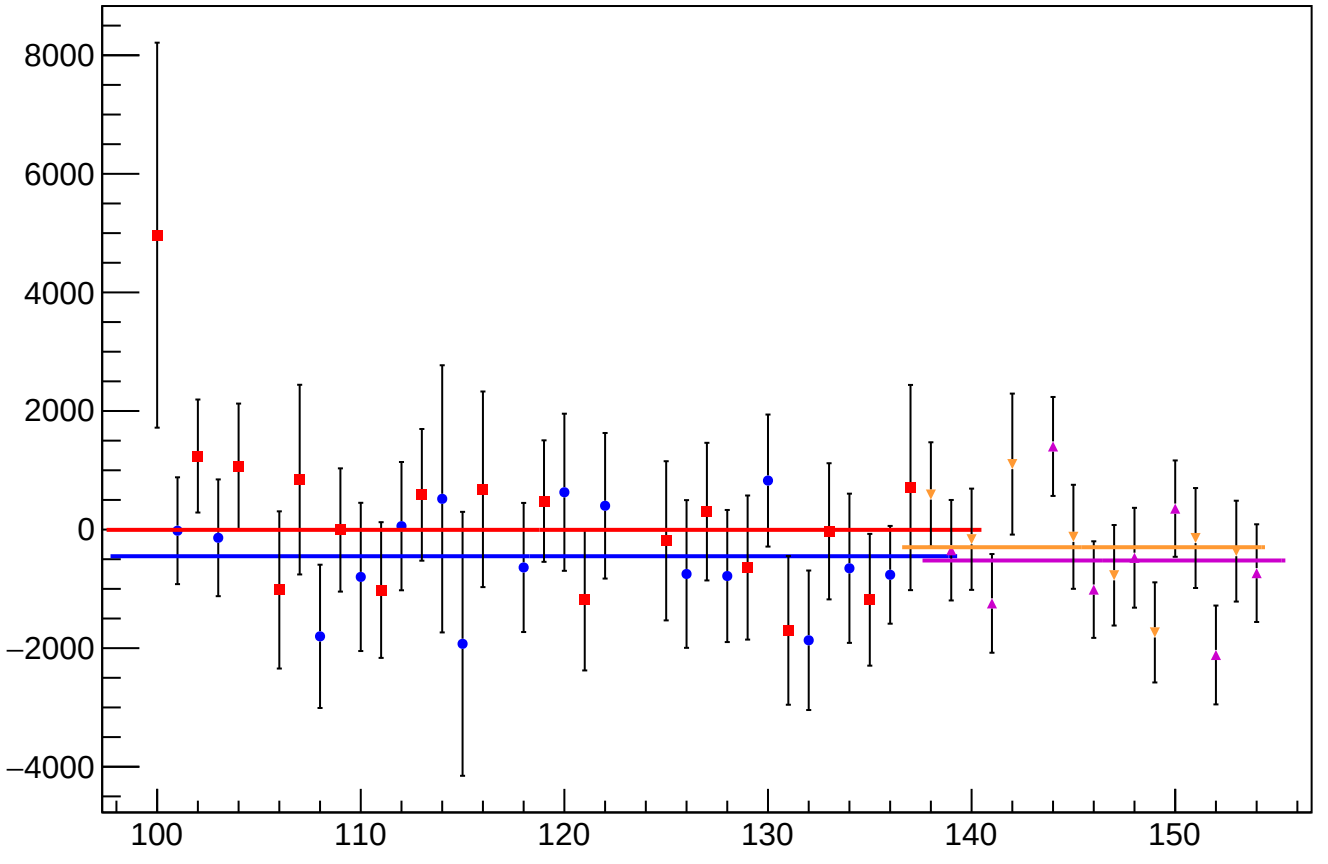
Left: 524.630+/-0.103 χ^2/NDF: 479478.0/15

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

In: 588.483+/-0.114 χ^2/NDF:1718526.4/23

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

All: 583.973+/-0.081 χ^2/NDF: 3699053.8/49



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: -521.368+/-293.409 χ^2/NDF:11.4/7

Left: -416.443+/-213.859 χ^2/NDF: 17.3/15

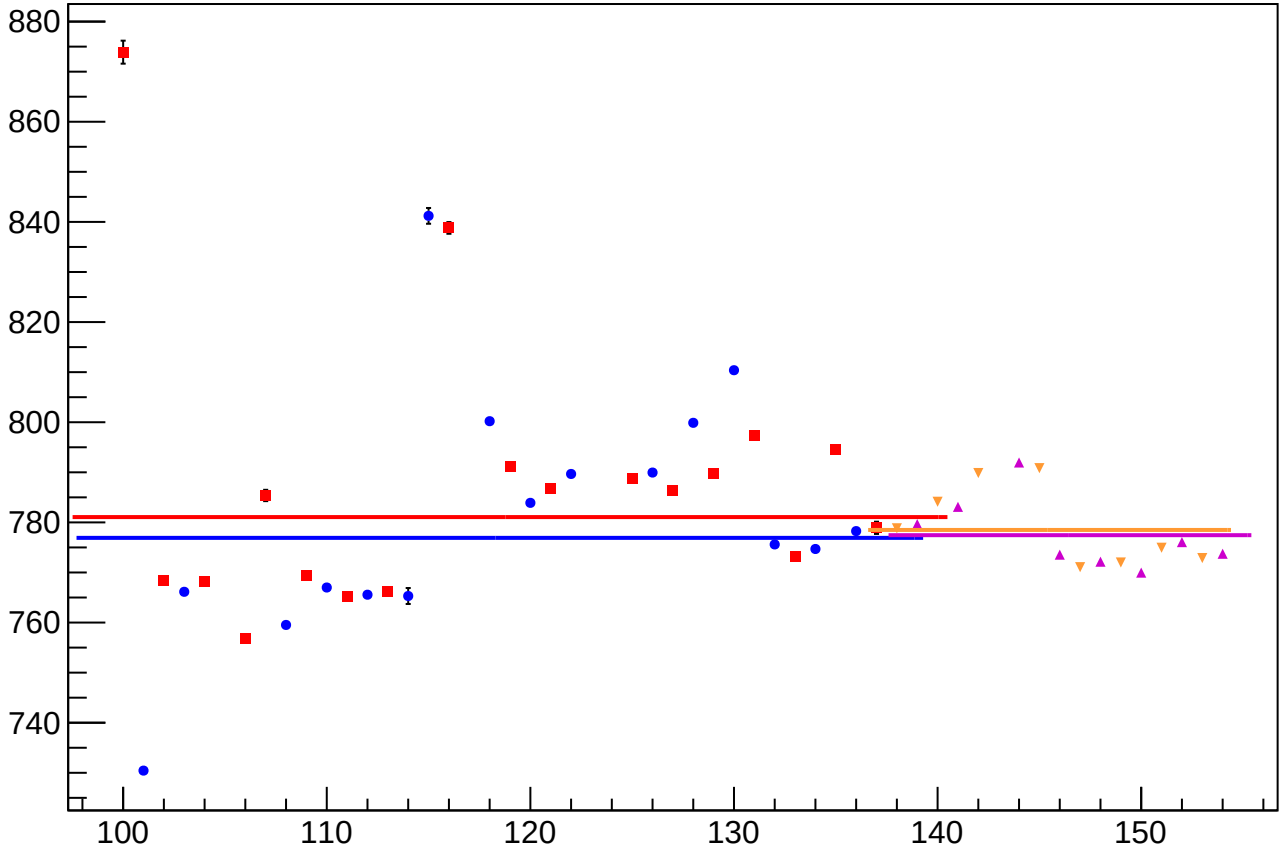
Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

In: -484.813+/-205.775 χ^2/NDF:18.1/23

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

All: -316.844+/-147.543 χ^2/NDF: 37.5/49

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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: 777.448+/-0.207 χ^2/NDF:1050.8/7

Left: 777.937+/-0.151 χ^2/NDF: 2123.0/15

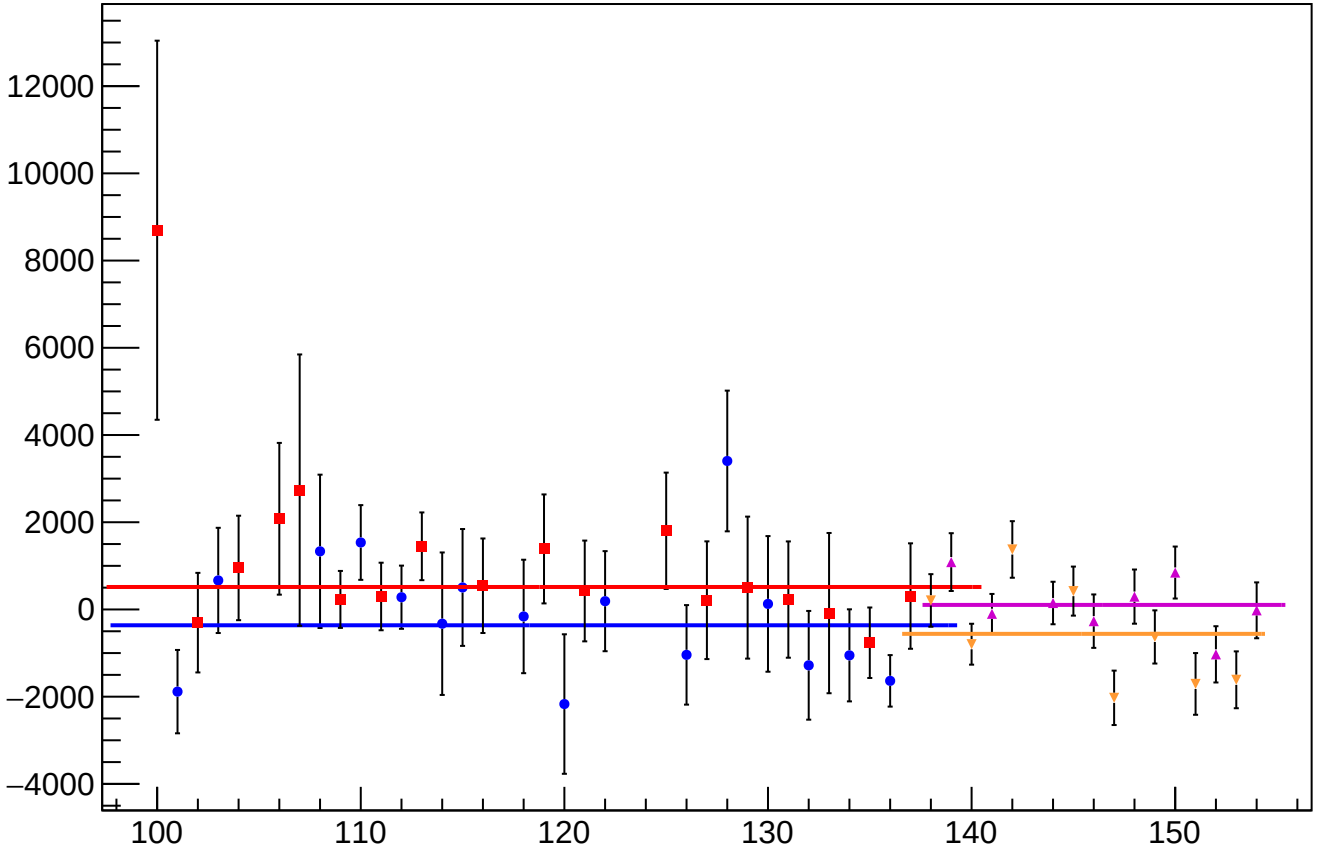
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.176+/-0.146 χ^2/NDF:13177.7/23

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

All: 778.491+/-0.104 χ^2/NDF: 22064.9/49

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: 104.261+/-203.141 χ^2/NDF:7.5/7

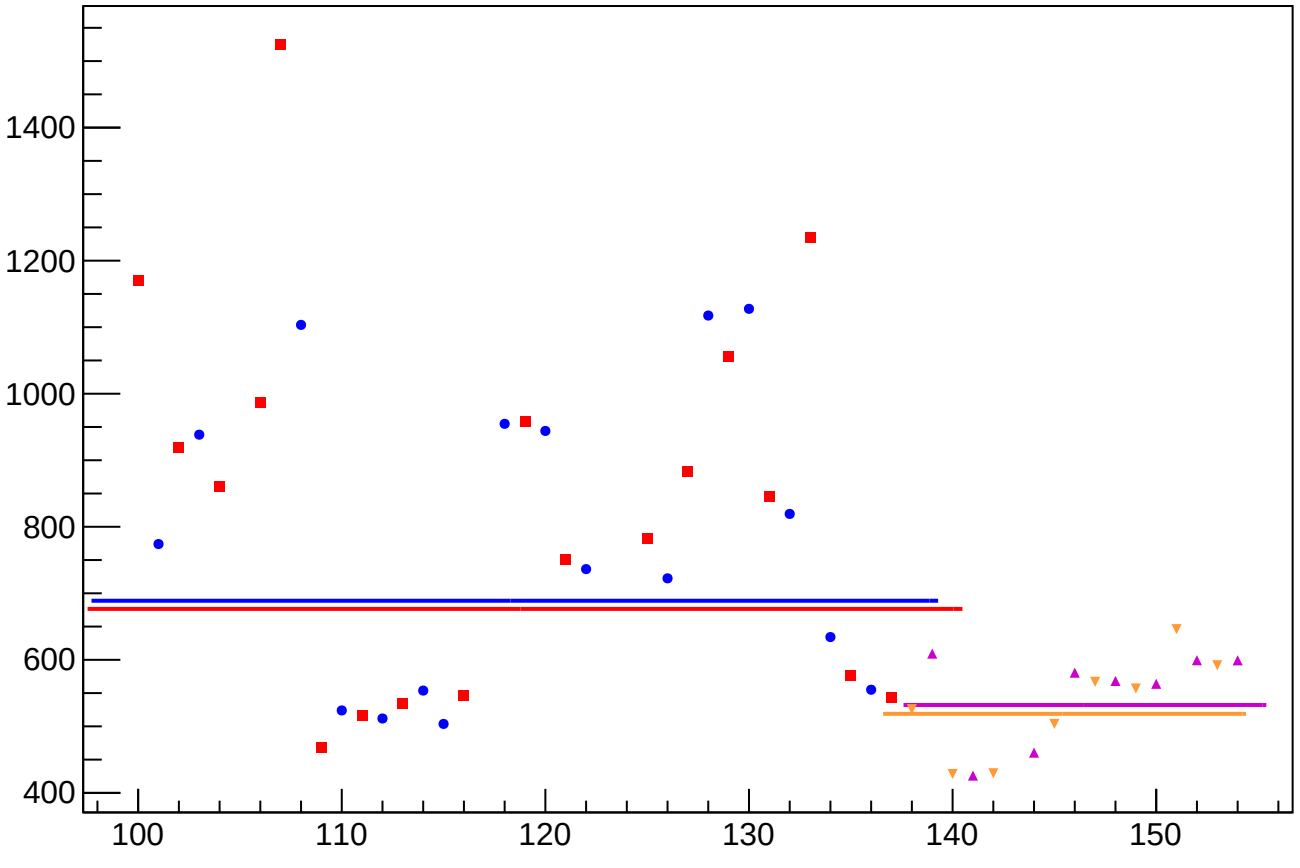
Left: -214.966+/-146.356 χ^2/NDF: 37.3/15

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

In: -66.912+/-161.688 χ^2/NDF:32.9/23

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

All: -102.346+/-115.372 χ^2/NDF: 79.1/49



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: 532.130+/-0.144 χ^2/NDF:247943.8/7

Left: 525.722+/-0.103 χ^2/NDF: 475599.8/15

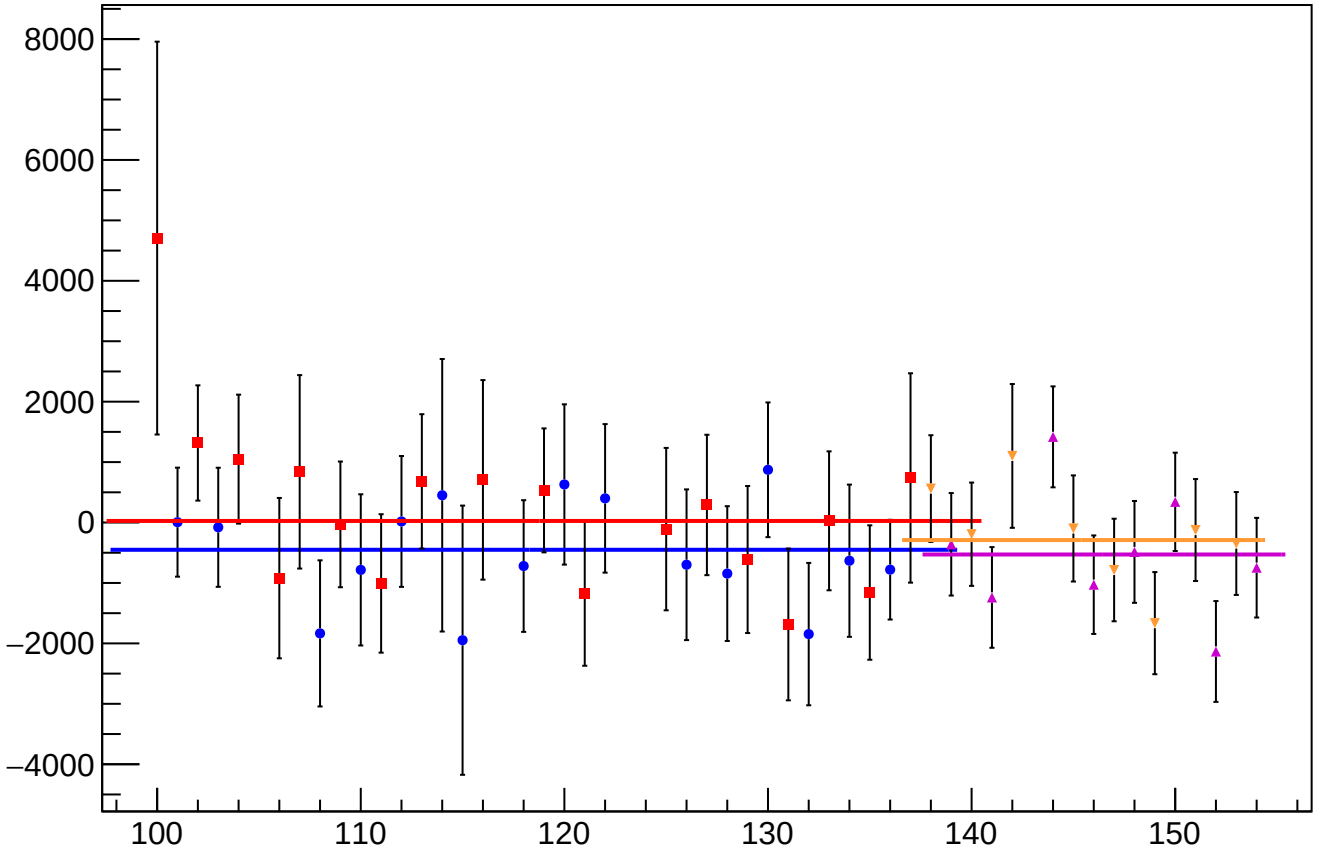
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 589.557+/-0.114 χ^2/NDF:1712195.9/23

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

All: 585.120+/-0.082 χ^2/NDF: 3683996.4/49

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: -529.005+/-293.647 χ^2/NDF:11.5/7

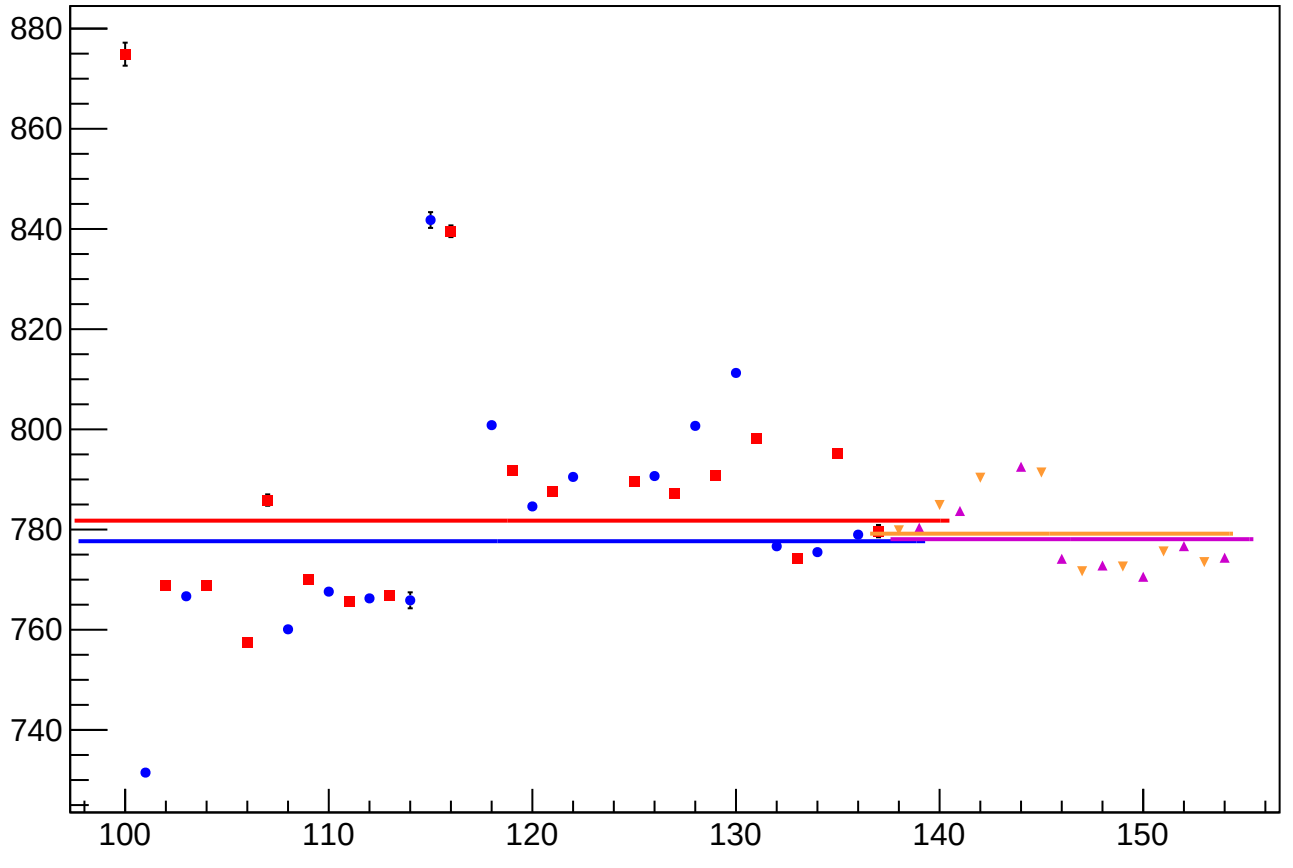
Left: -417.078+/-214.039 χ^2/NDF: 17.2/15

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

In: -489.350+/-205.959 χ^2/NDF:18.5/23

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

All: -309.468+/-147.675 χ^2/NDF: 37.7/49



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: 778.077+/-0.208 χ^2/NDF:1044.9/7

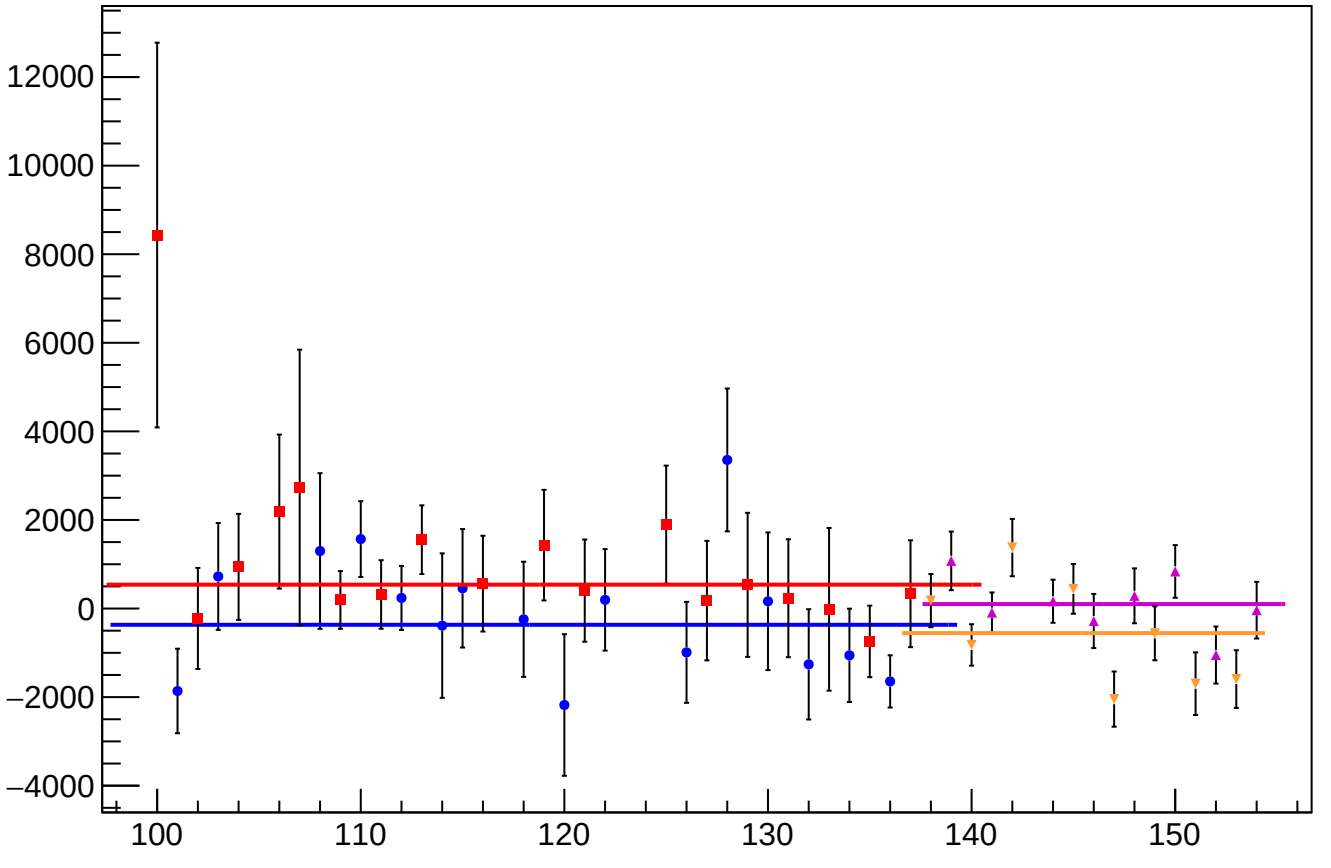
Left: 778.592+/-0.151 χ^2/NDF: 2113.3/15

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

In: 777.873+/-0.146 χ^2/NDF:13102.3/23

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

All: 779.189+/-0.104 χ^2/NDF: 22026.9/49



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: 100.797+/-202.772 χ^2/NDF:7.6/7

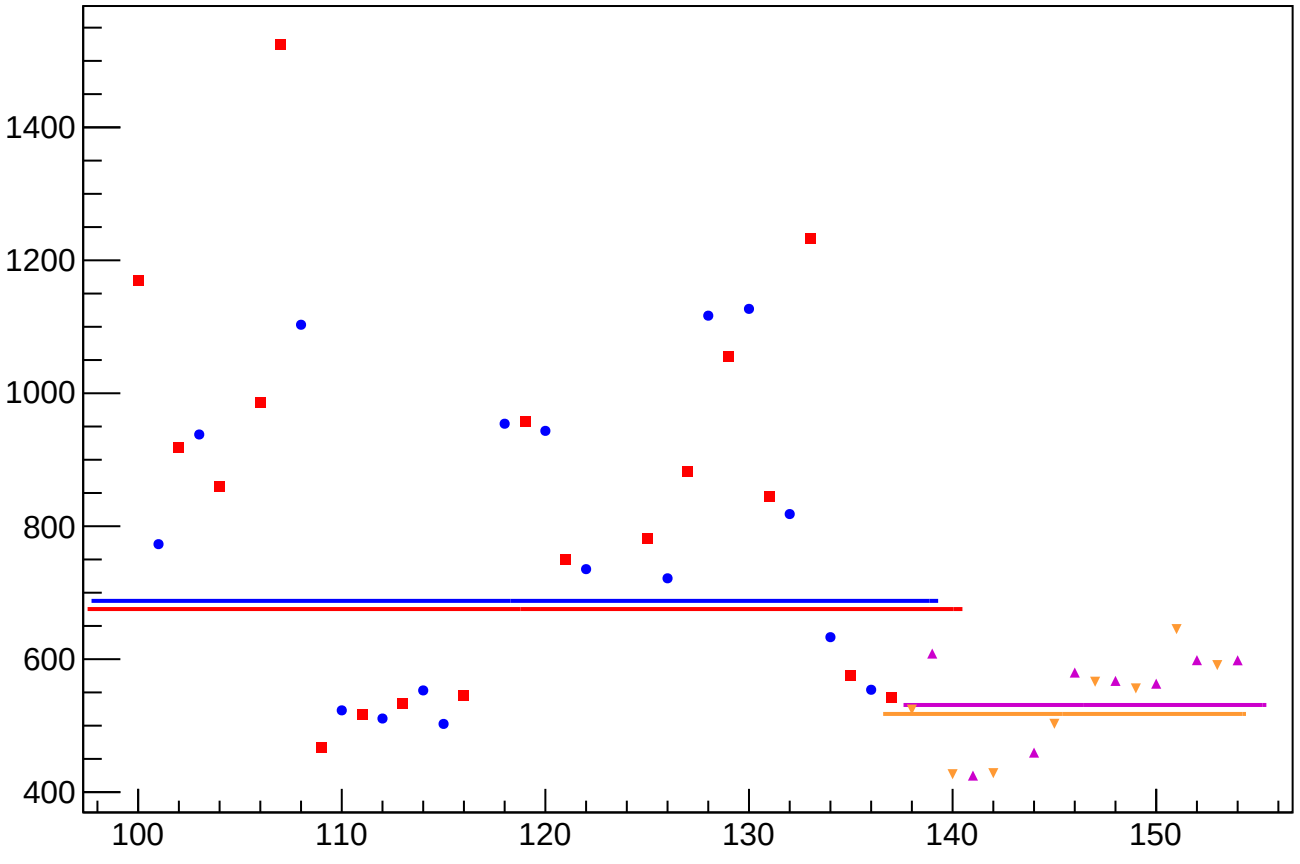
Left: -214.620+/-146.067 χ^2/NDF: 37.4/15

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

In: -70.565+/-161.416 χ^2/NDF:32.9/23

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

All: -98.449+/-115.166 χ^2/NDF: 79.9/49



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: 531.120+/-0.143 χ^2/NDF:249670.6/7

Left: 524.630+/-0.103 χ^2/NDF: 479478.0/15

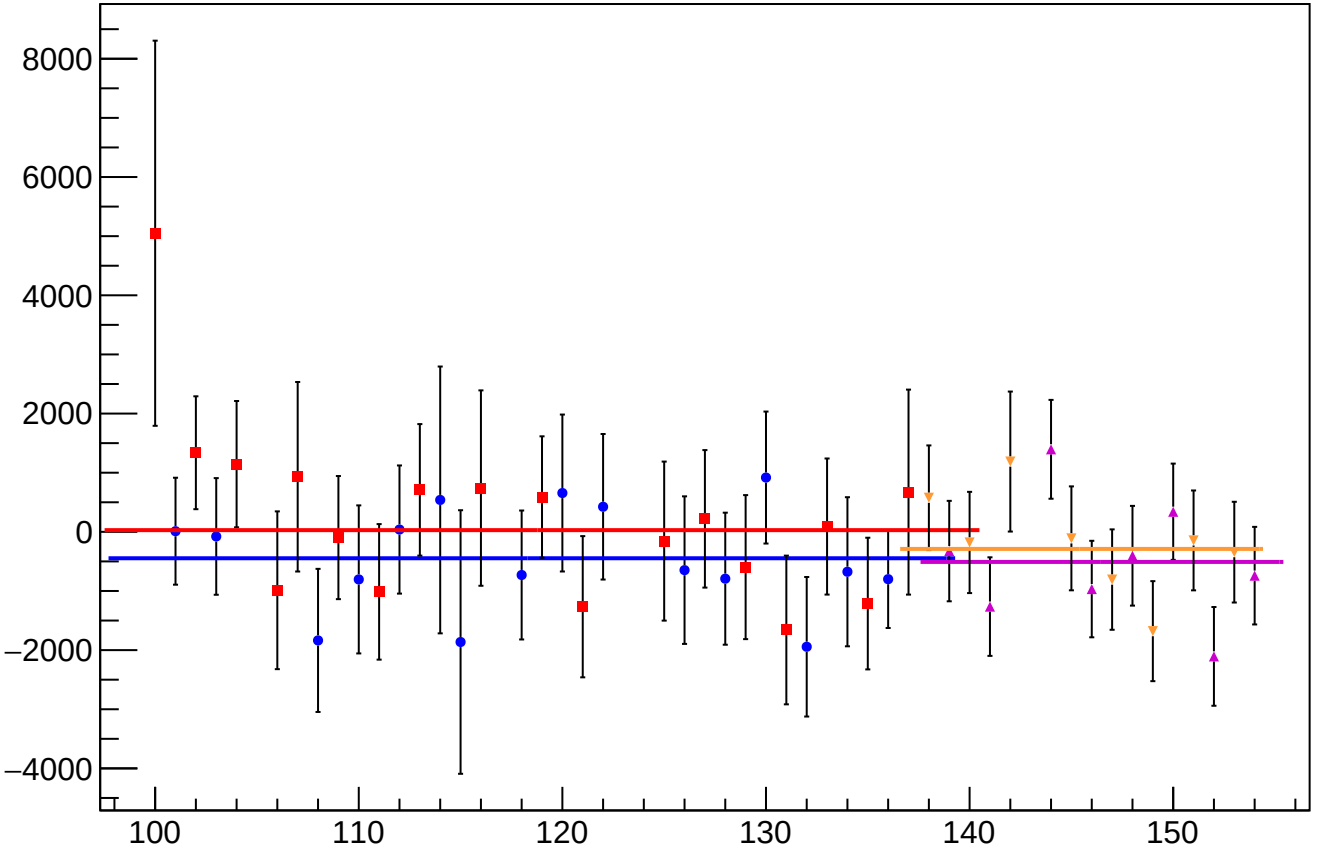
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 588.483+/-0.114 χ^2/NDF:1718526.4/23

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

All: 583.973+/-0.081 χ^2/NDF: 3699053.8/49

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: -508.710+/-293.876 χ^2/NDF:11.2/7

Left: -405.504+/-214.191 χ^2/NDF: 17.2/15

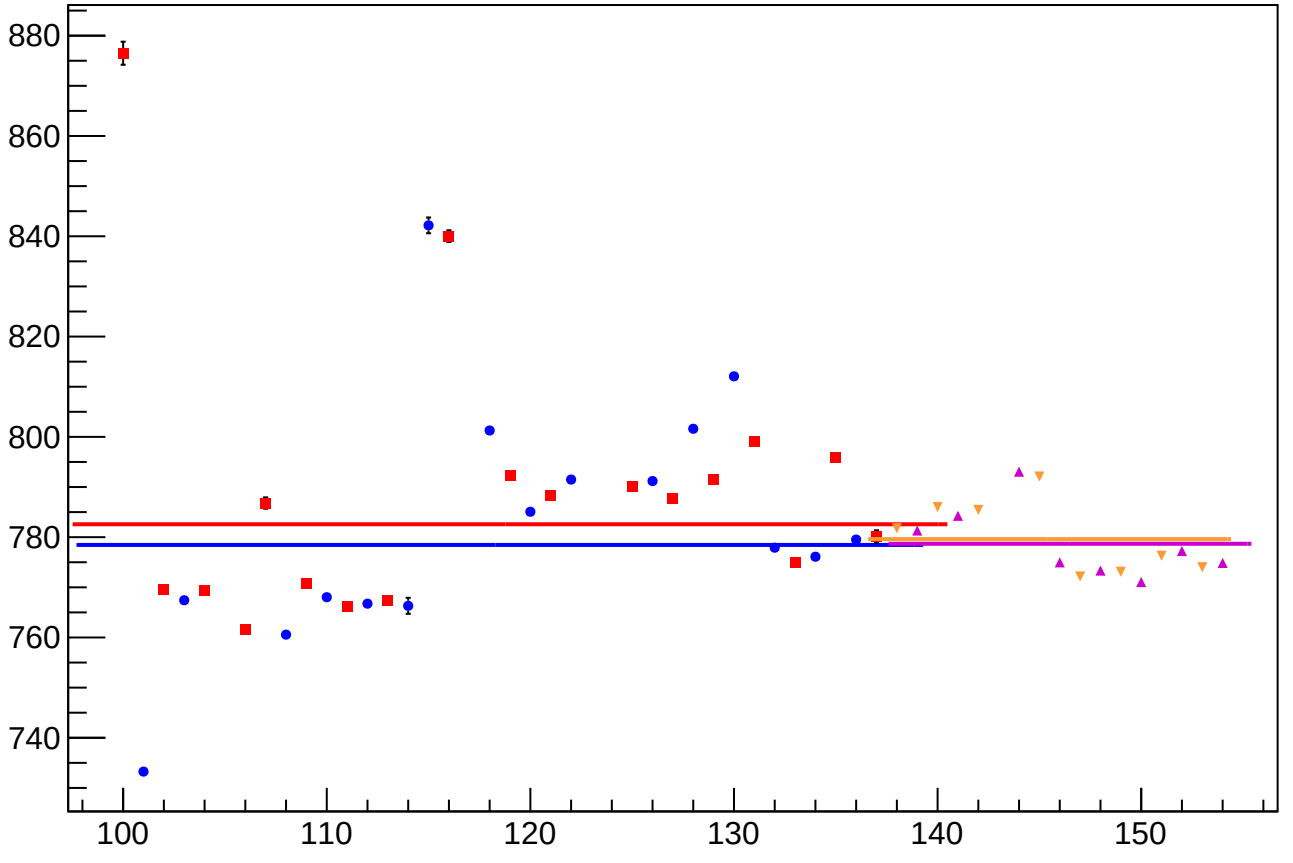
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -477.191+/-206.143 χ^2/NDF:18.5/23

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

All: -302.162+/-147.803 χ^2/NDF: 38.9/49

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: 778.684+/-0.208 χ^2/NDF:1046.7/7

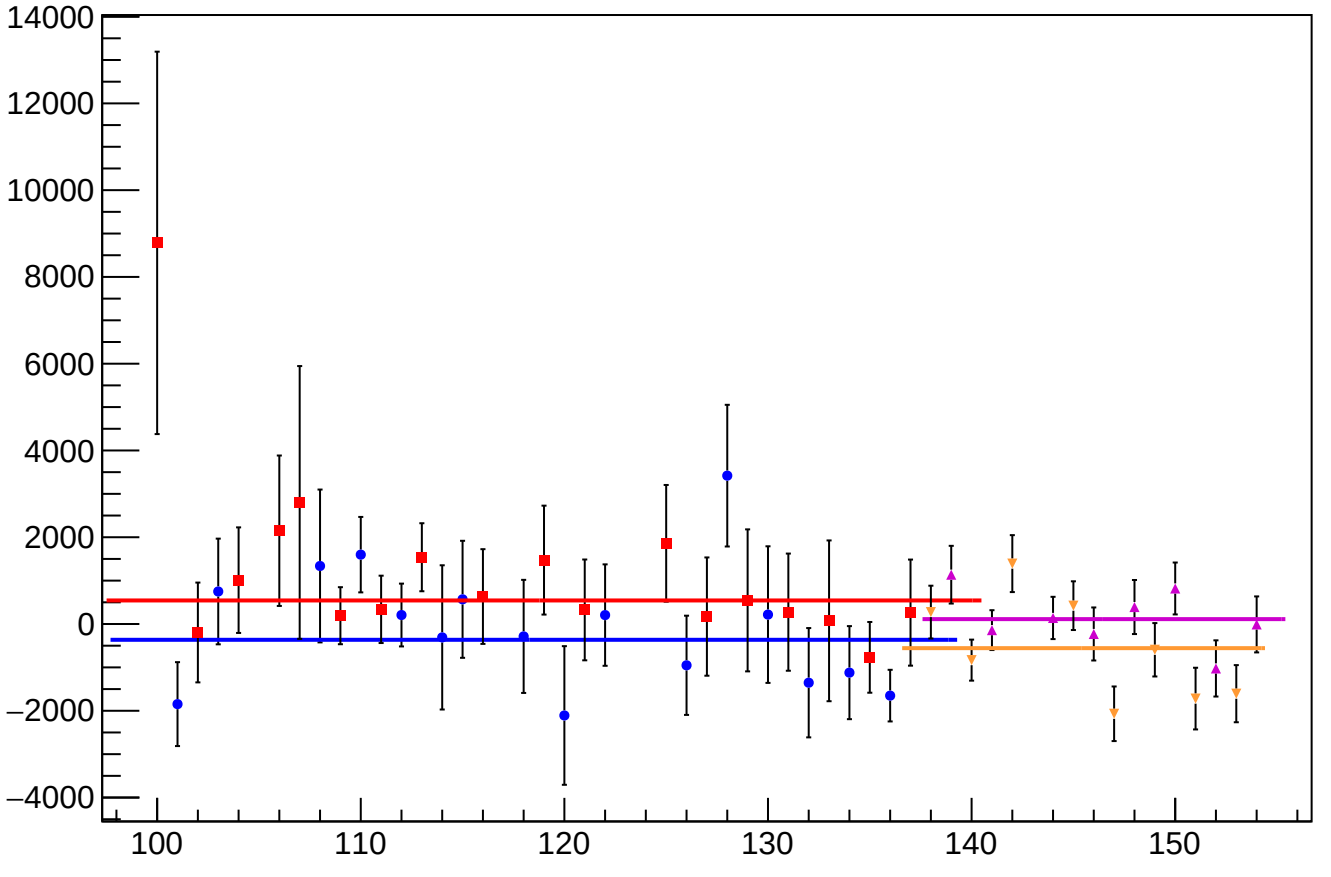
Left: 779.120+/-0.151 χ^2/NDF: 2022.1/15

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

In: 778.568+/-0.146 χ^2/NDF:12842.5/23

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

All: 779.854+/-0.105 χ^2/NDF: 21547.1/49



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: 112.600+/-203.917 χ^2/NDF:7.7/7

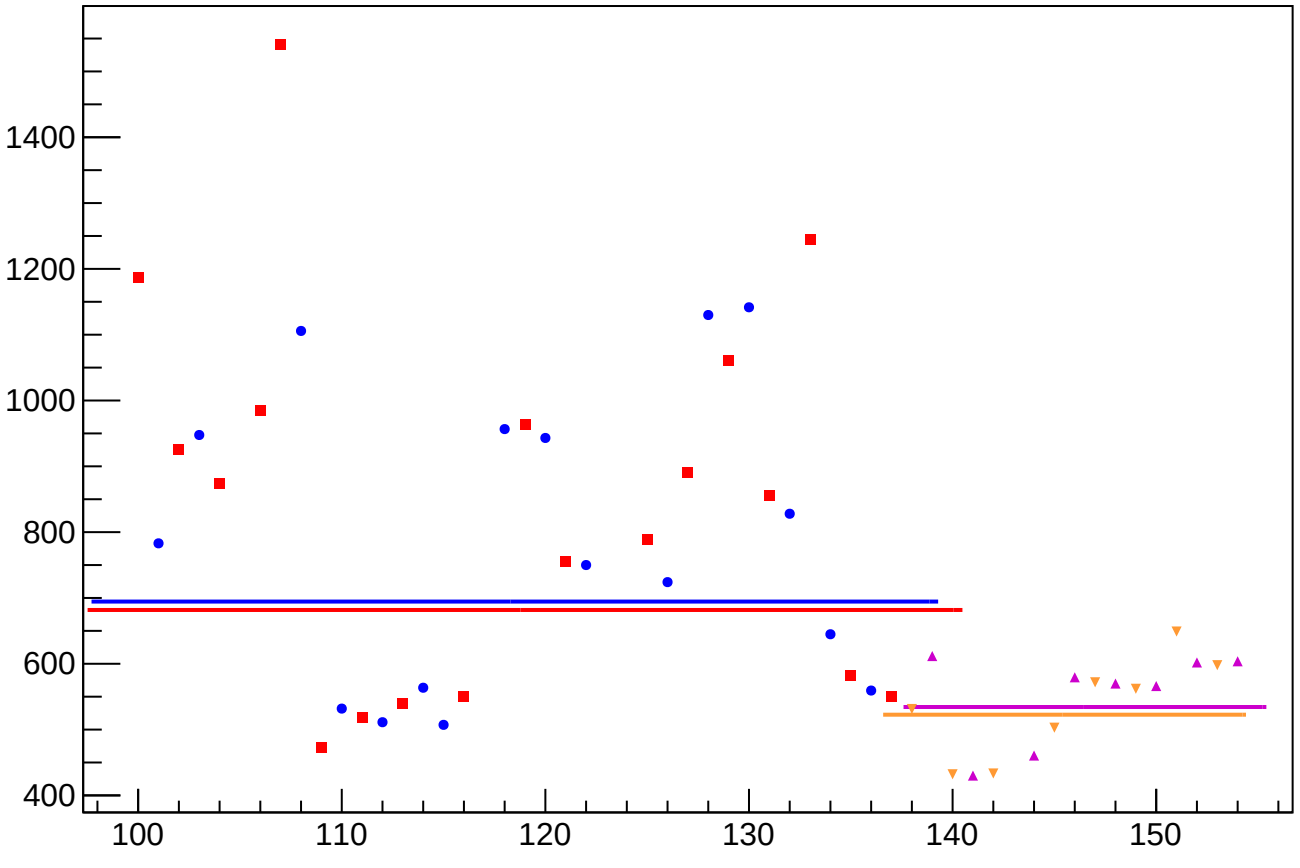
Left: -208.003+/-147.169 χ^2/NDF: 37.9/15

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

In: -61.061+/-162.572 χ^2/NDF:33.0/23

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

All: -93.129+/-116.115 χ^2/NDF: 80.4/49



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: 534.317+/-0.144 χ^2/NDF:244061.8/7

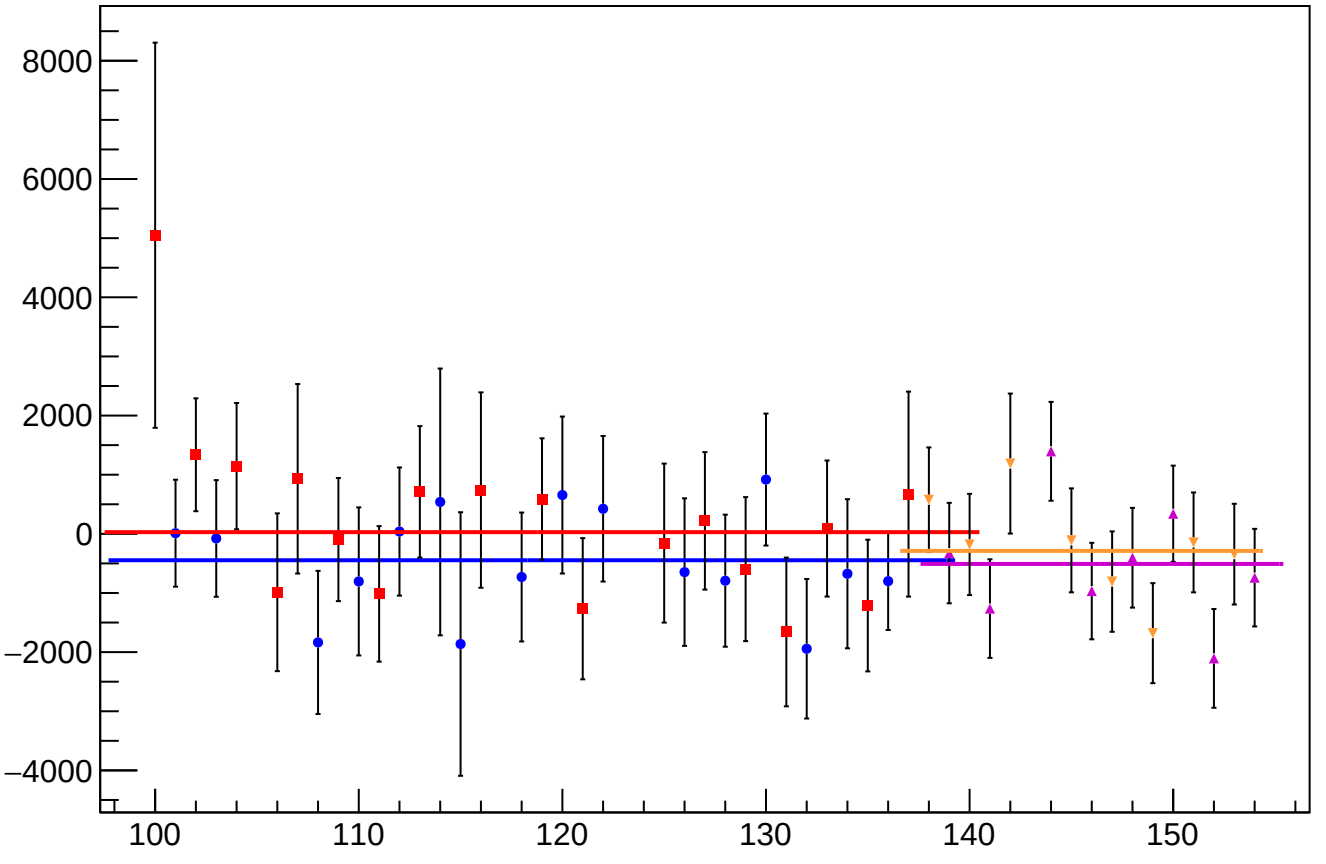
Left: 528.718+/-0.104 χ^2/NDF: 470146.9/15

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

In: 592.695+/-0.115 χ^2/NDF:1723778.8/23

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

All: 588.859+/-0.082 χ^2/NDF: 3698422.1/49



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: -508.709+/-293.876 χ^2/NDF:11.2/7

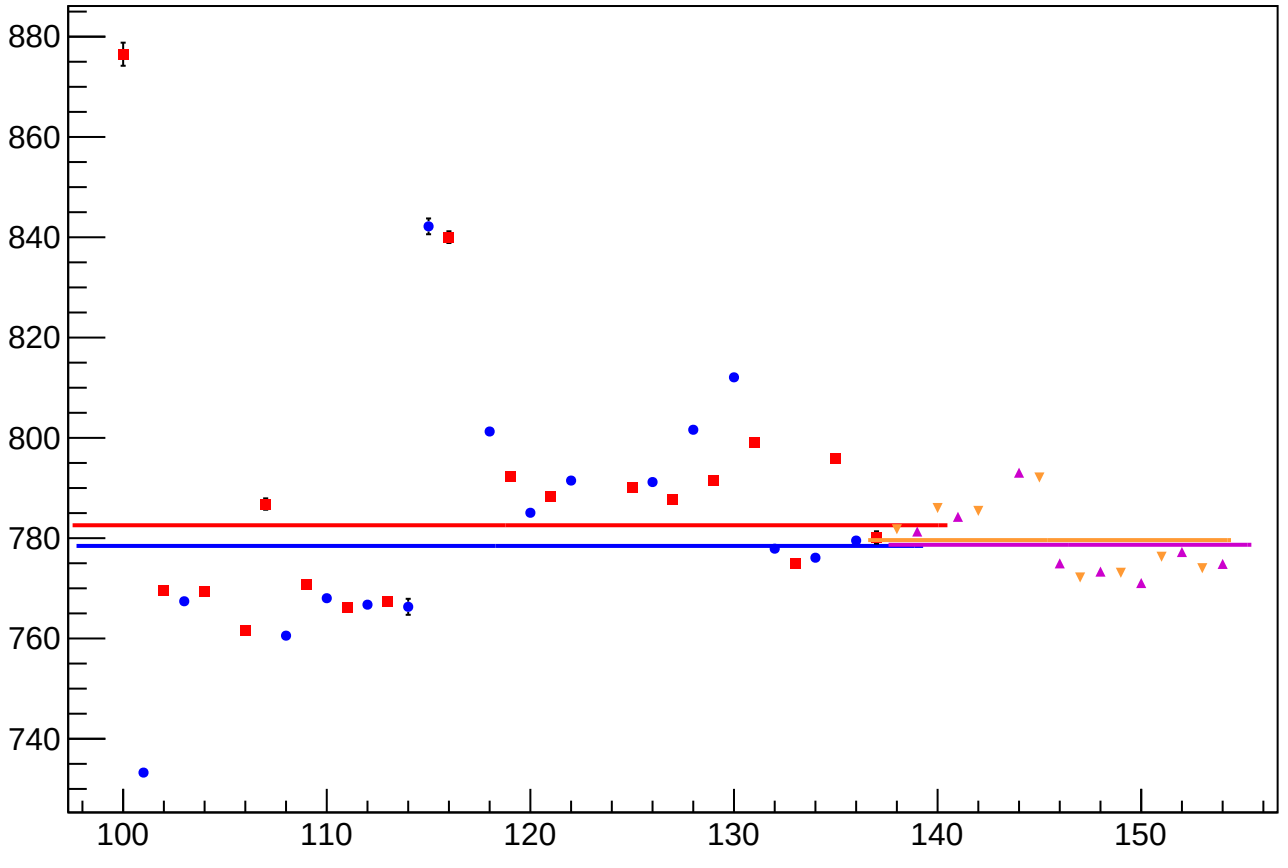
Left: -405.505+/-214.191 χ^2/NDF: 17.2/15

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

In: -477.190+/-206.143 χ^2/NDF:18.5/23

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

All: -302.163+/-147.803 χ^2/NDF: 38.9/49



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: 778.684+/-0.208 χ^2/NDF:1046.7/7

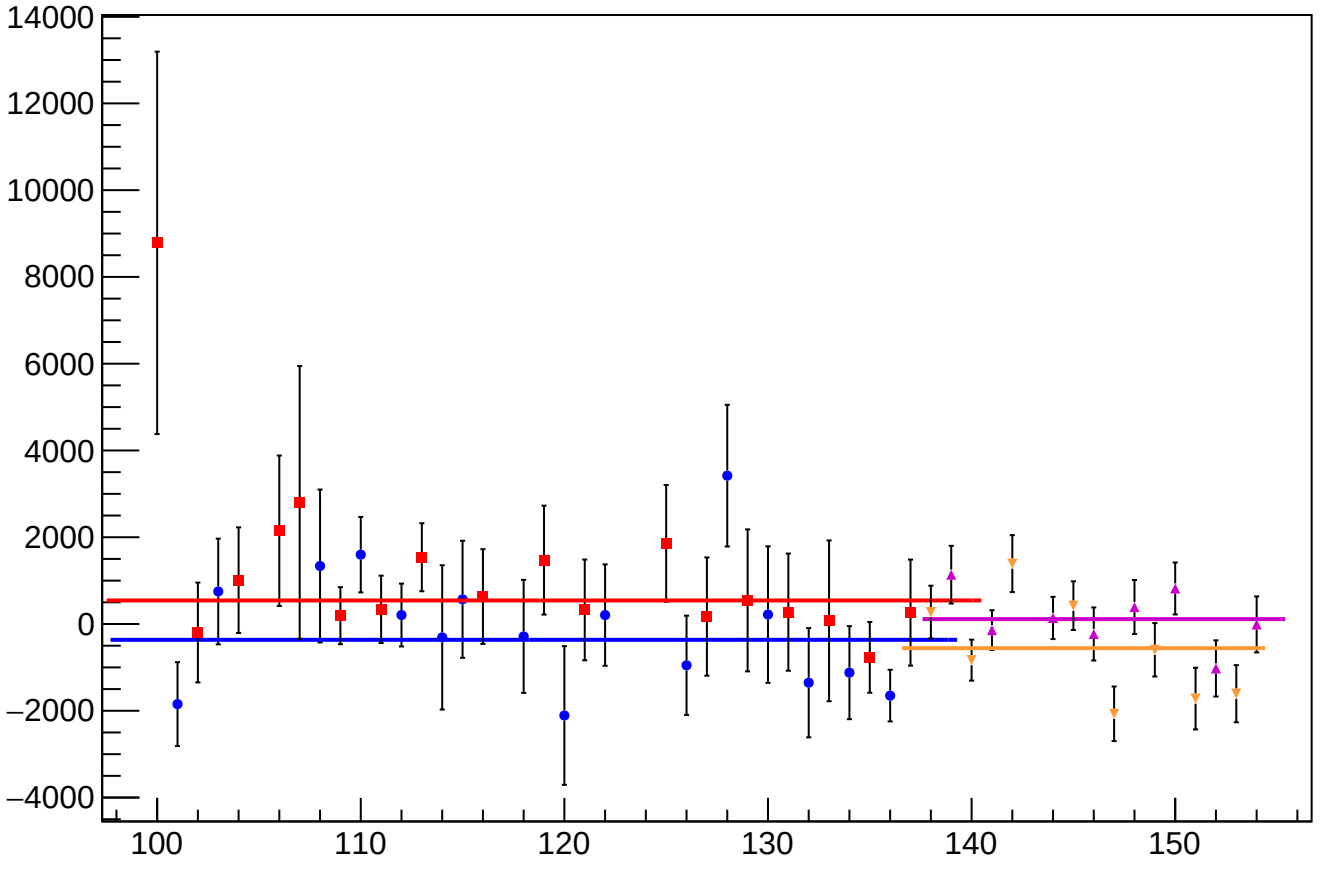
Left: 779.120+/-0.151 χ^2/NDF: 2022.1/15

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

In: 778.568+/-0.146 χ^2/NDF:12842.5/23

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

All: 779.854+/-0.105 χ^2/NDF: 21547.0/49



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: 112.599+/-203.917 χ^2/NDF:7.7/7

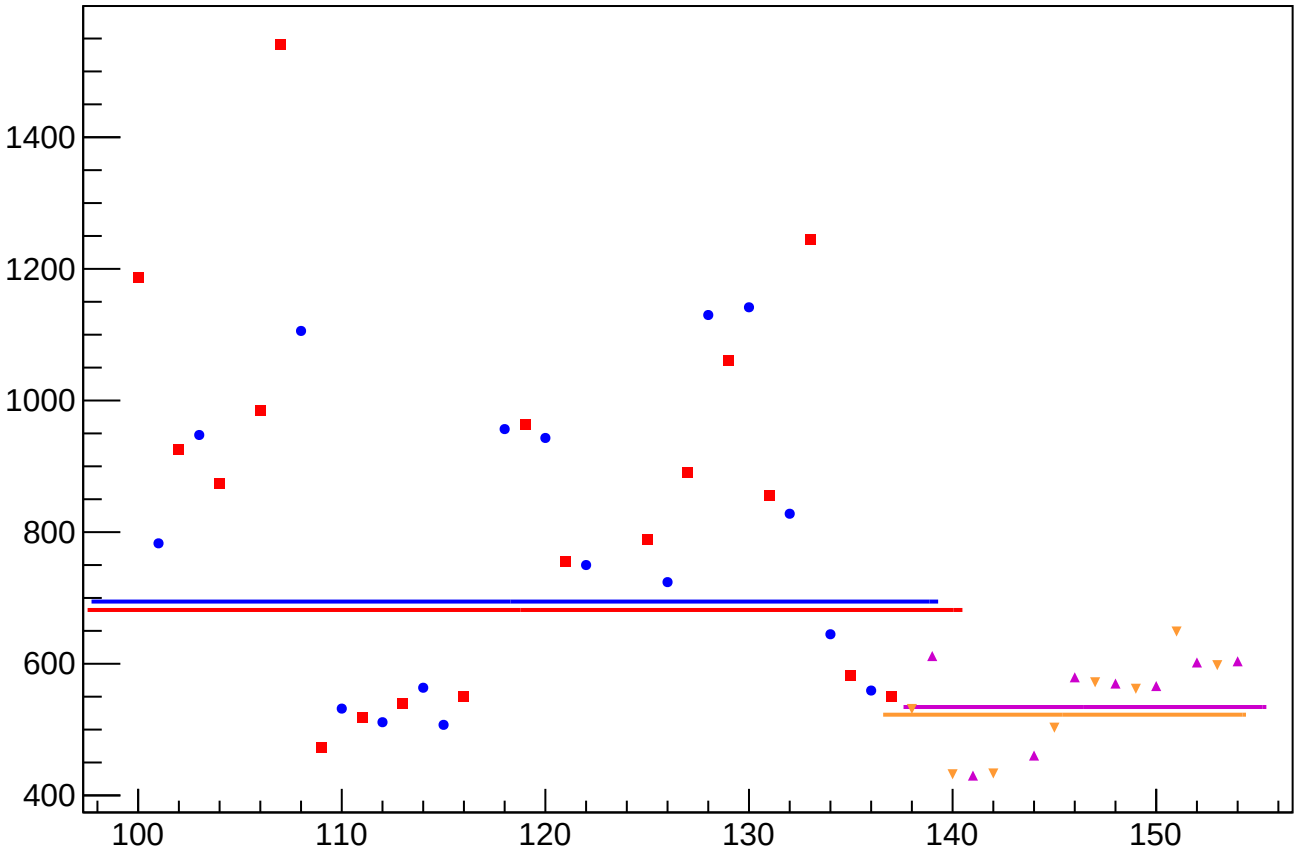
Left: -208.004+/-147.169 χ^2/NDF: 37.9/15

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

In: -61.062+/-162.572 χ^2/NDF:33.0/23

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

All: -93.129+/-116.115 χ^2/NDF: 80.4/49



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: 534.317+/-0.144 χ^2/NDF:244072.7/7

Left: 528.718+/-0.104 χ^2/NDF: 470167.8/15

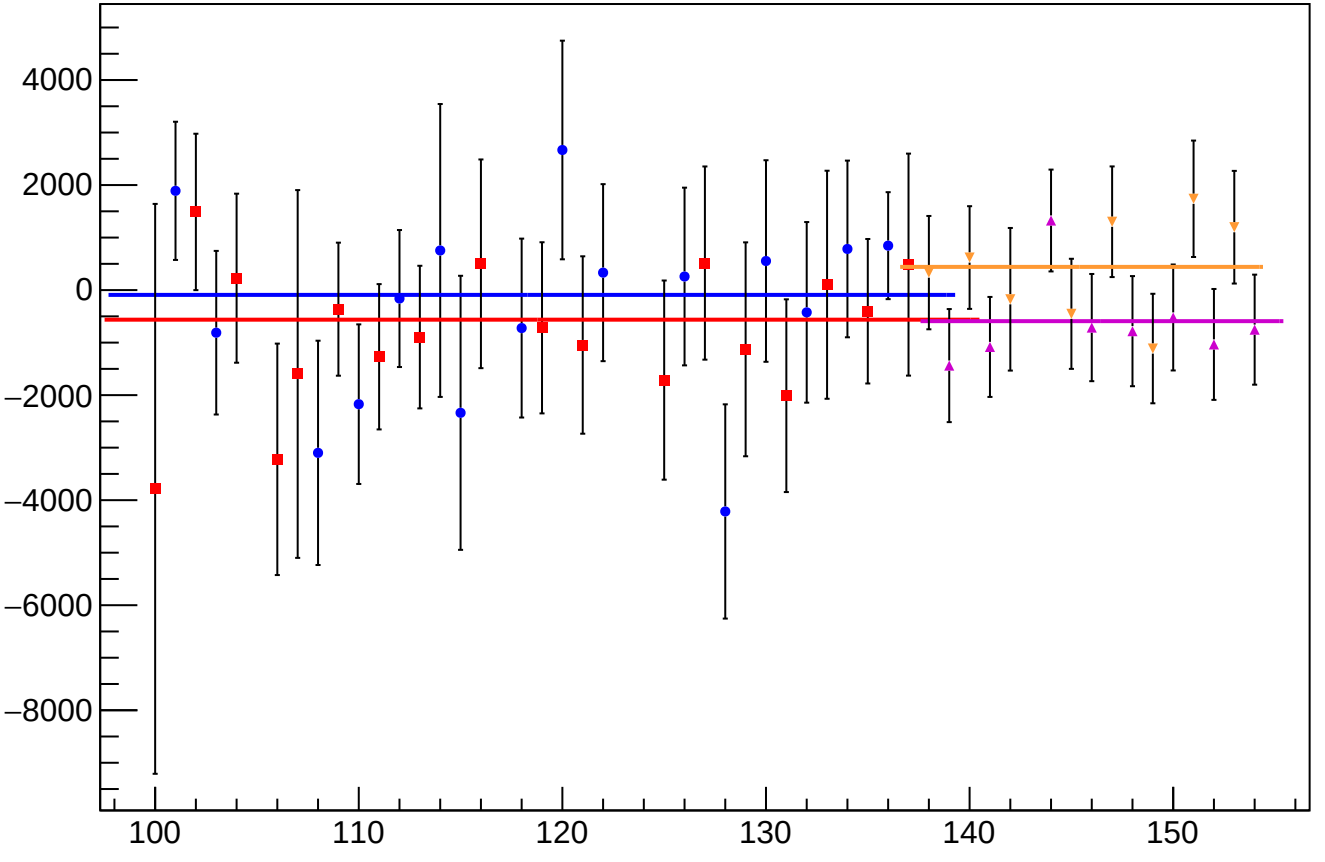
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 592.694+/-0.115 χ^2/NDF:1723783.8/23

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

All: 588.858+/-0.082 χ^2/NDF: 3698441.5/49

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: -591.363+/-360.593 χ^2/NDF:5.0/7

Left: -104.175+/-262.141 χ^2/NDF: 14.6/15

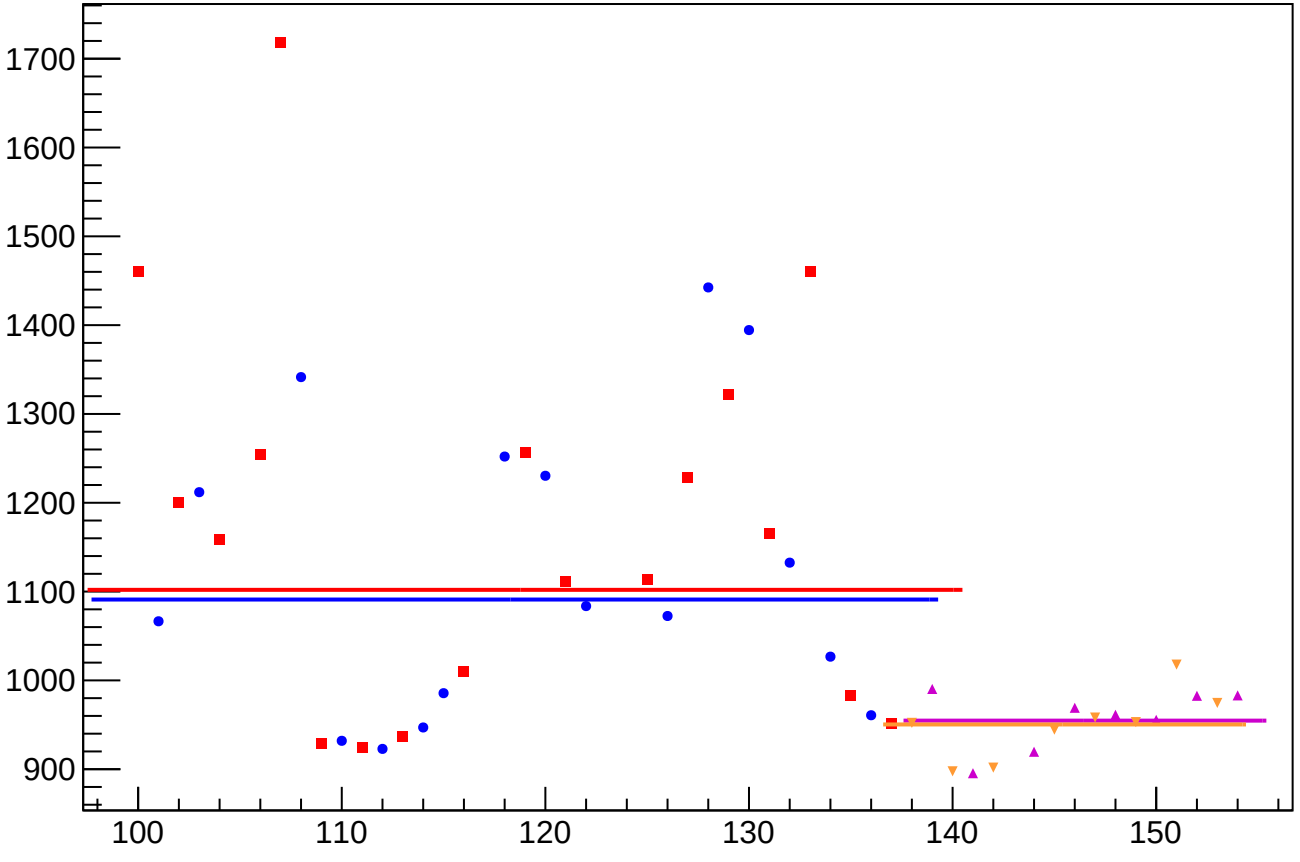
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -373.238+/-270.757 χ^2/NDF:20.4/23

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

All: -203.921+/-194.602 χ^2/NDF: 36.7/49

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: 954.696+/-0.255 χ^2/NDF:15902.3/7

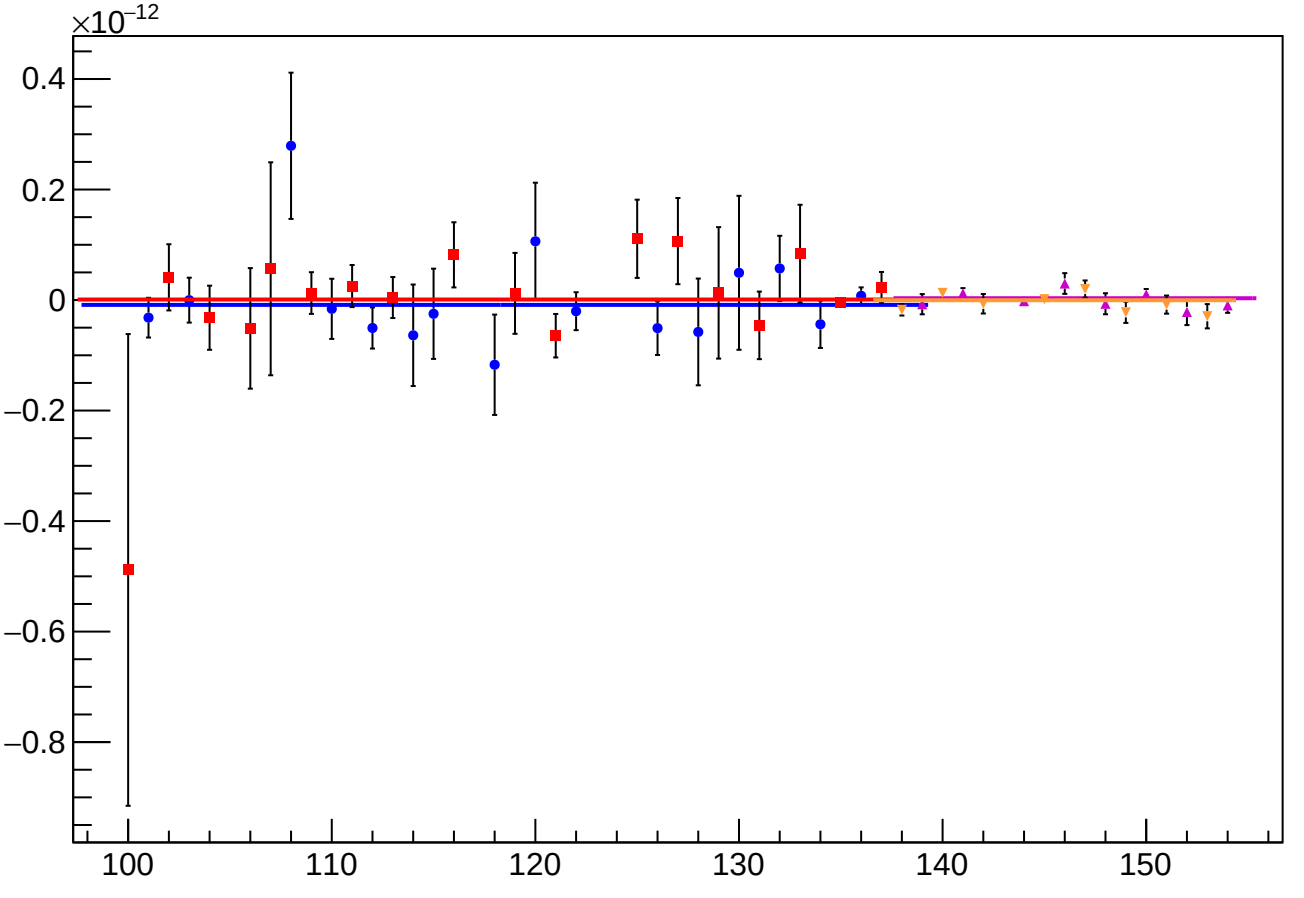
Left: 952.663+/-0.185 χ^2/NDF: 33026.7/15

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

In: 1014.170+/-0.191 χ^2/NDF:417933.6/23

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

All: 1017.221+/-0.138 χ^2/NDF: 909360.2/49



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:6.5/7

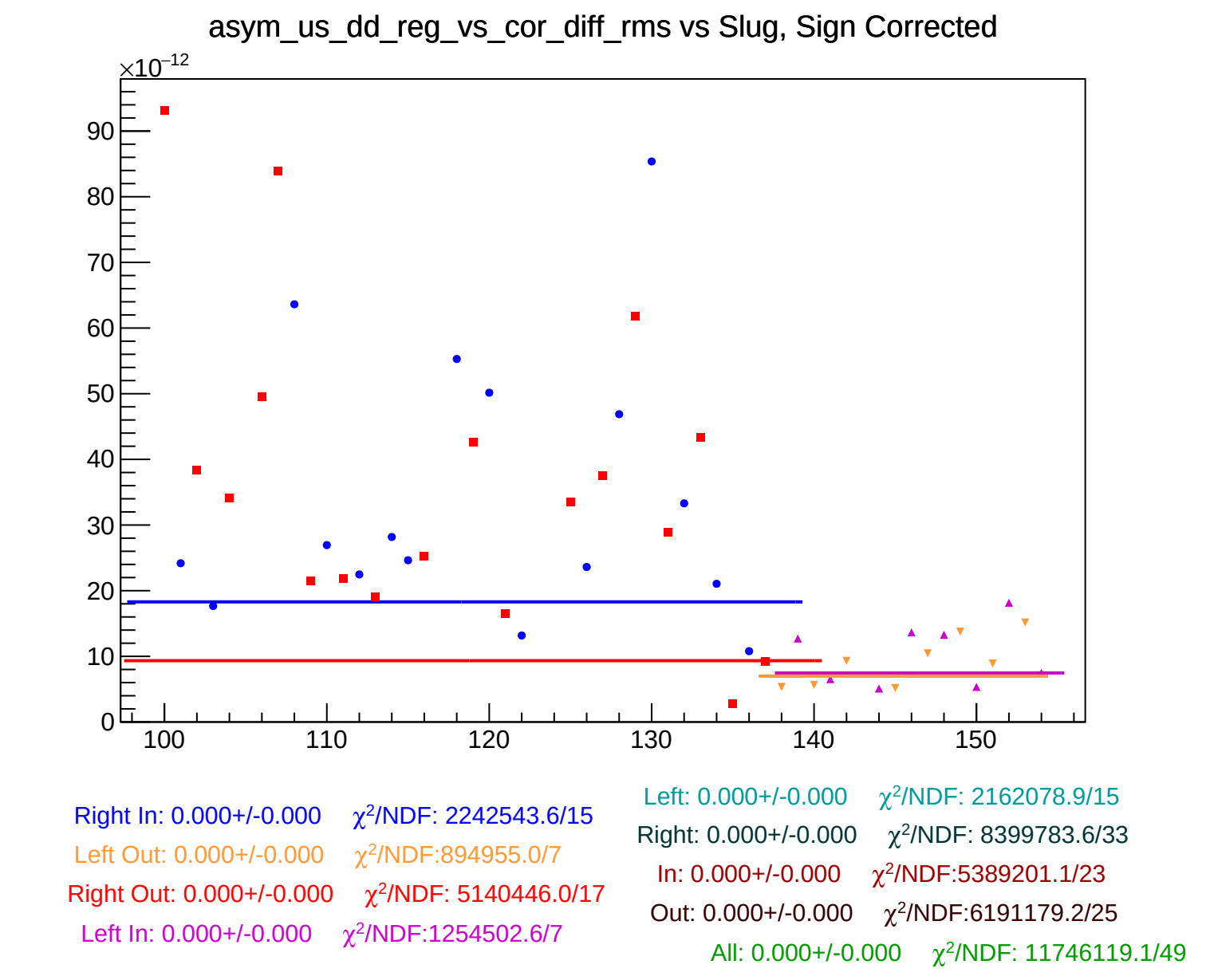
Left: 0.000+/-0.000 χ^2/NDF: 17.8/15

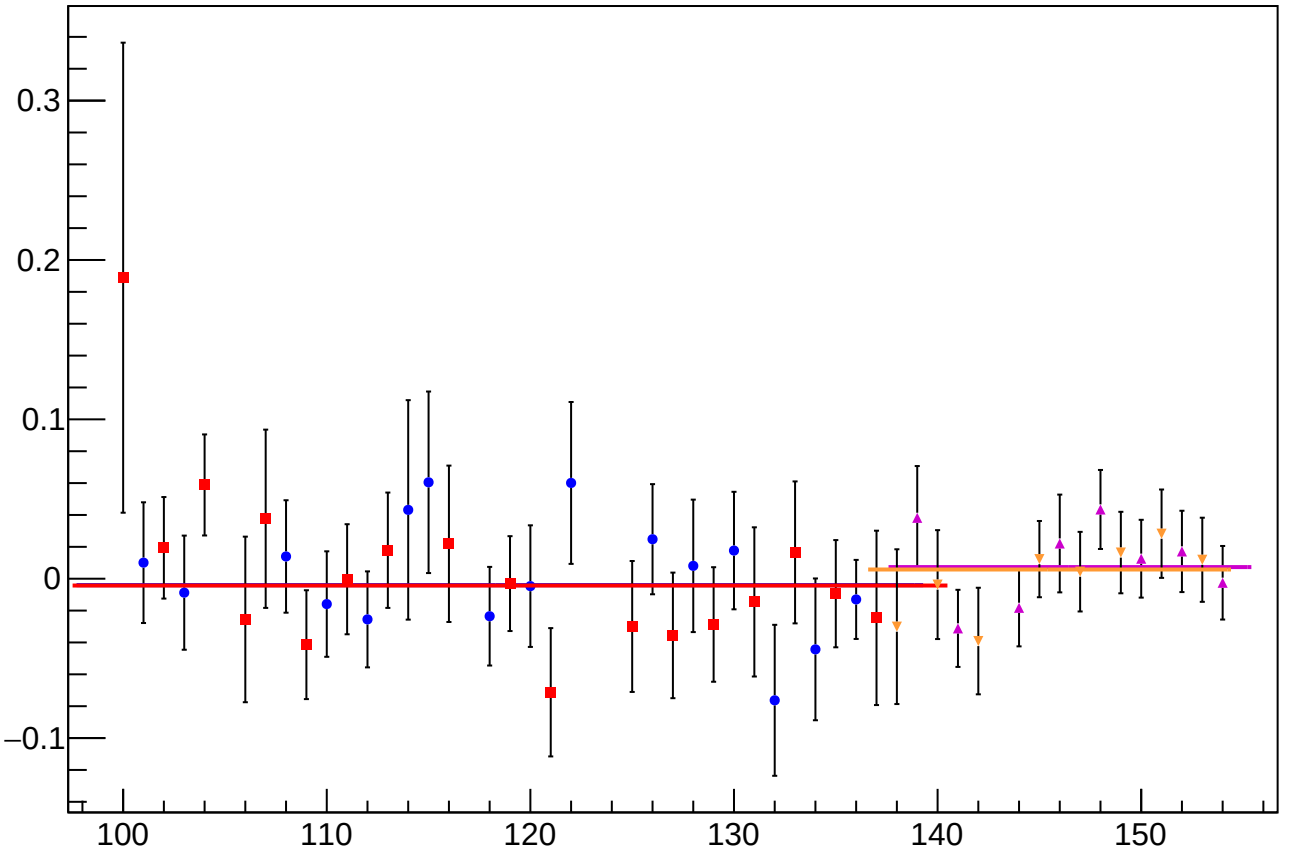
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:21.5/23

Out: -0.000+/-0.000 χ^2/NDF:25.3/25

All: 0.000+/-0.000 χ^2/NDF: 46.8/49


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:1254502.6/7
Left: 0.000+/-0.000 χ²/NDF: 2162078.9/15
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5389201.1/23
Out: 0.000+/-0.000 χ²/NDF:6191179.2/25
All: 0.000+/-0.000 χ²/NDF: 11746119.1/49



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: 0.007+/-0.009 χ^2/NDF:7.3/7

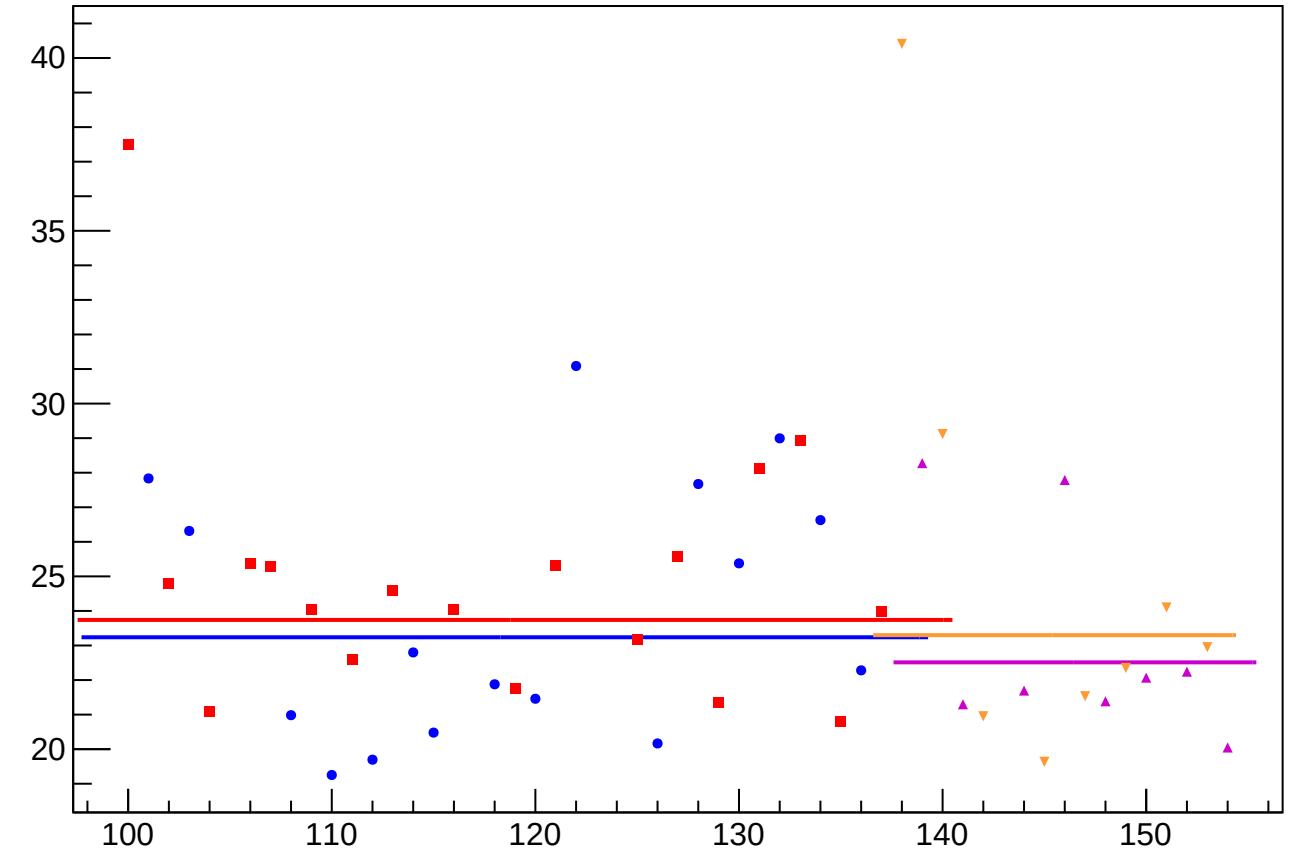
Left: 0.007+/-0.007 χ^2/NDF: 10.7/15

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

In: 0.002+/-0.006 χ^2/NDF:17.3/23

Out: 0.000+/-0.007 χ^2/NDF:17.4/25

All: 0.001+/-0.005 χ^2/NDF: 34.7/49



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: 22.512+/-0.006 χ^2/NDF:157306.0/7

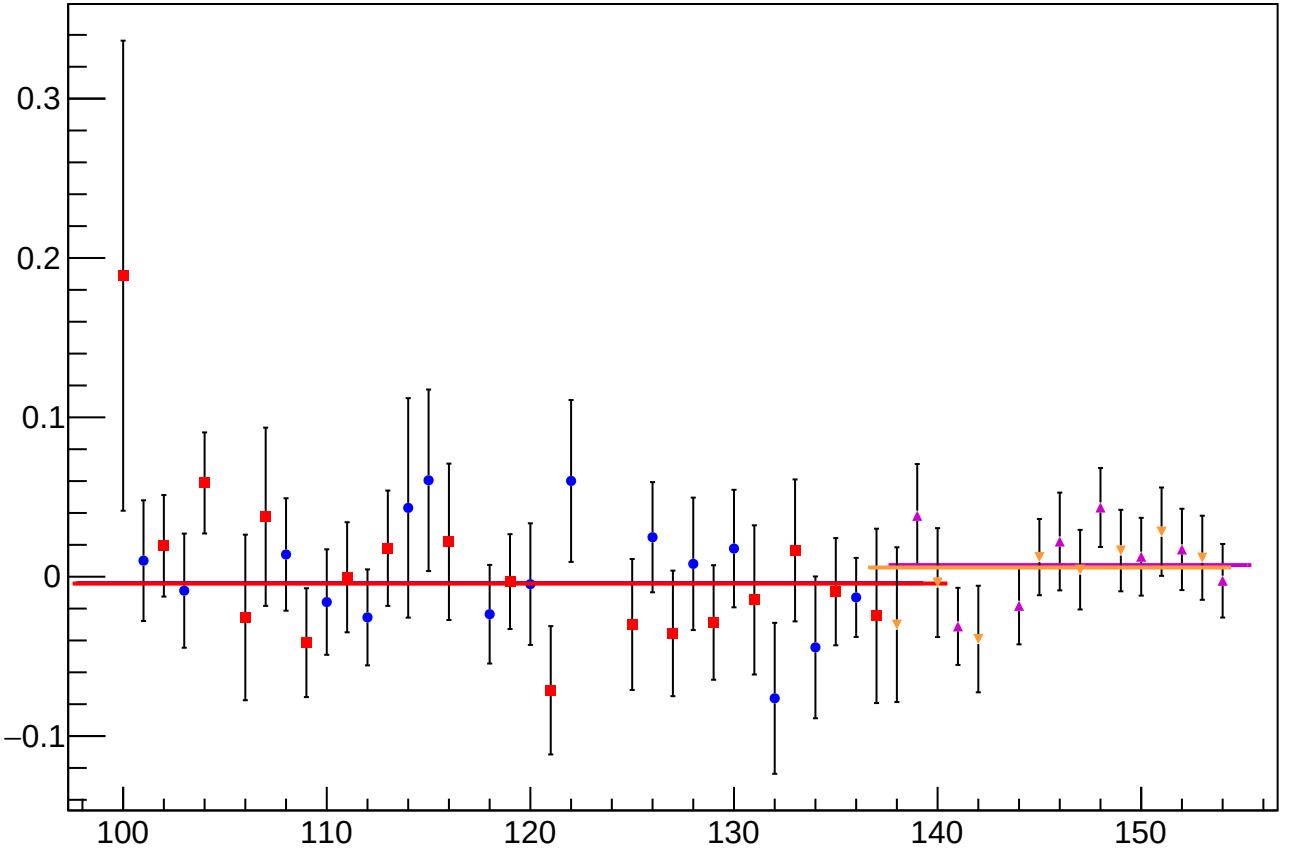
Left: 22.864+/-0.005 χ^2/NDF: 541884.4/15

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

In: 22.868+/-0.005 χ^2/NDF:422808.8/23

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

All: 23.184+/-0.003 χ^2/NDF: 939007.7/49



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: 0.007+/-0.009 χ^2/NDF:7.3/7

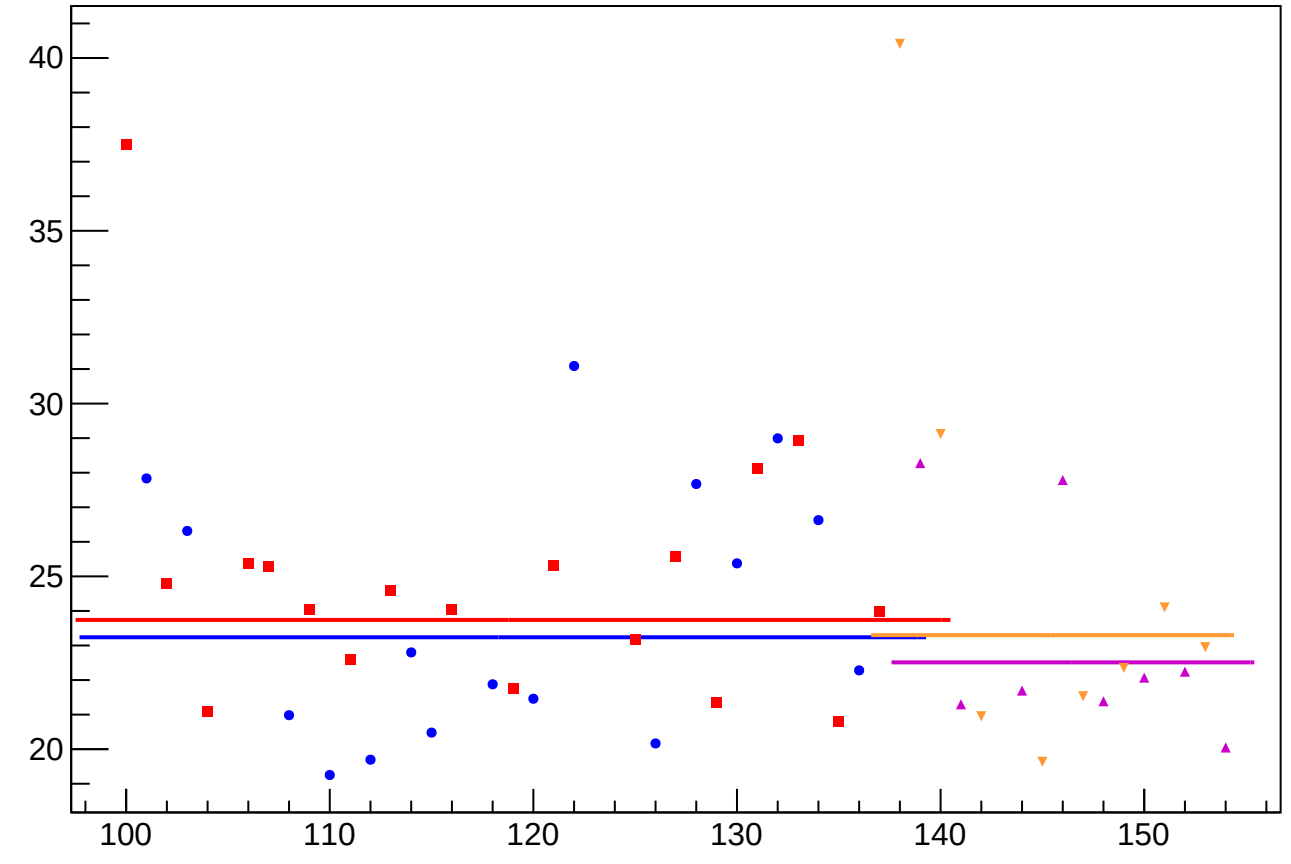
Left: 0.007+/-0.007 χ^2/NDF: 10.7/15

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

In: 0.002+/-0.006 χ^2/NDF:17.3/23

Out: 0.000+/-0.007 χ^2/NDF:17.4/25

All: 0.001+/-0.005 χ^2/NDF: 34.7/49



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: 22.512+/-0.006 χ^2/NDF:157306.0/7

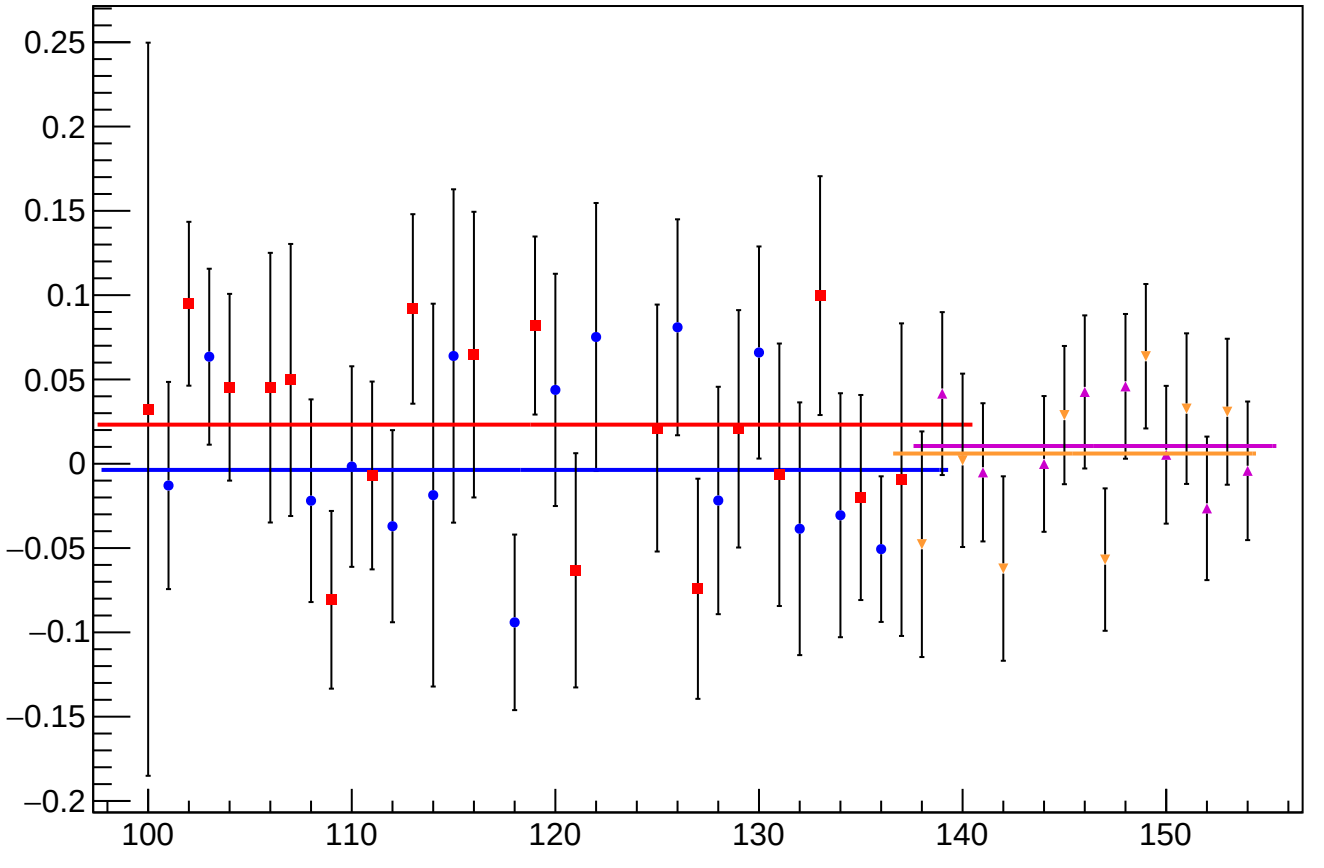
Left: 22.864+/-0.005 χ^2/NDF: 541884.4/15

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

In: 22.868+/-0.005 χ^2/NDF:422808.8/23

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

All: 23.184+/-0.003 χ^2/NDF: 939007.7/49



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: 0.011+/-0.015 χ^2/NDF:2.7/7

Left: 0.009+/-0.011 χ^2/NDF: 10.0/15

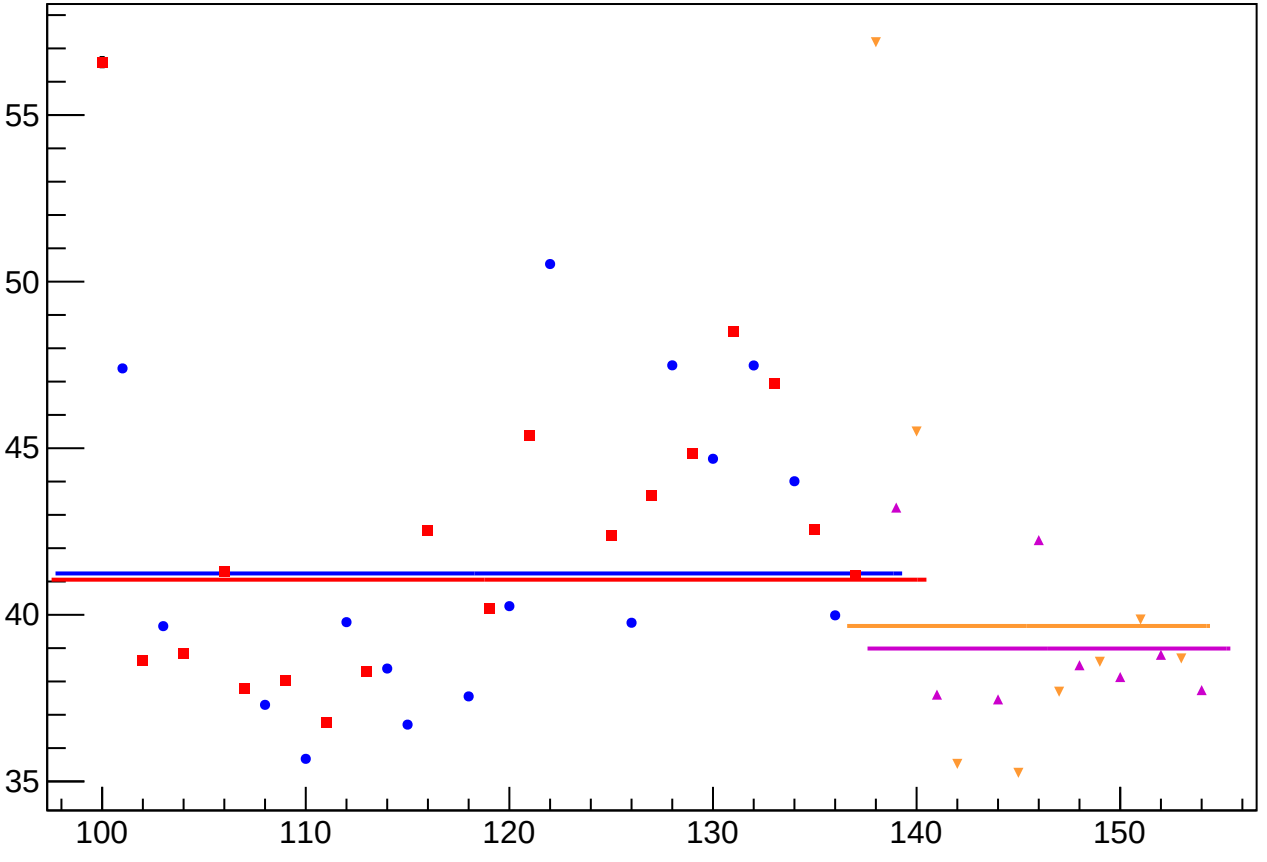
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.004+/-0.011 χ^2/NDF:14.8/23

Out: 0.015+/-0.011 χ^2/NDF:23.2/25

All: 0.009+/-0.008 χ^2/NDF: 38.5/49

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 38.988+/-0.011 χ^2/NDF:33797.2/7

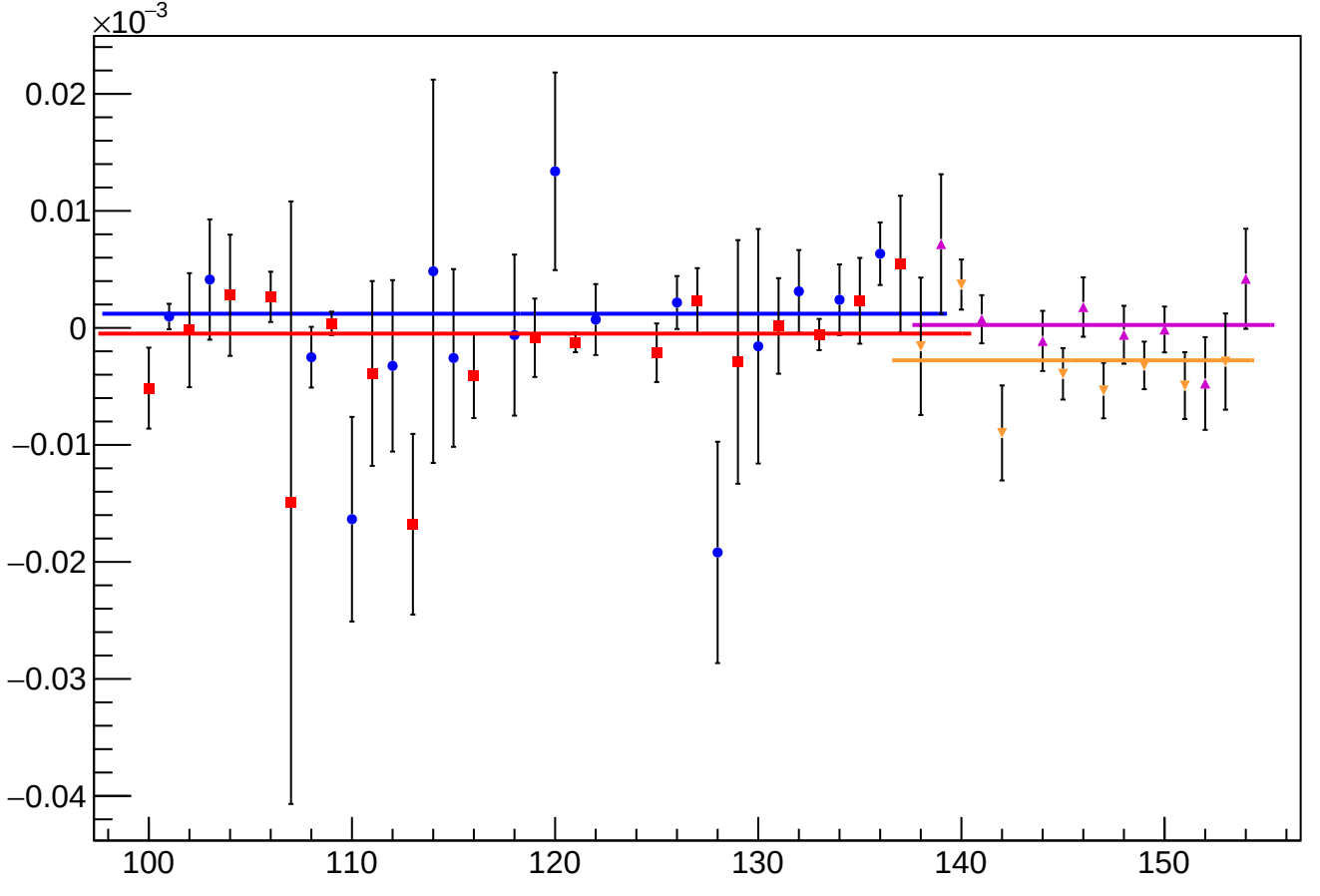
Left: 39.296+/-0.008 χ^2/NDF: 239780.2/15

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

In: 40.065+/-0.008 χ^2/NDF:190489.7/23

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

All: 40.228+/-0.006 χ^2/NDF: 499649.3/49



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:4.6/7

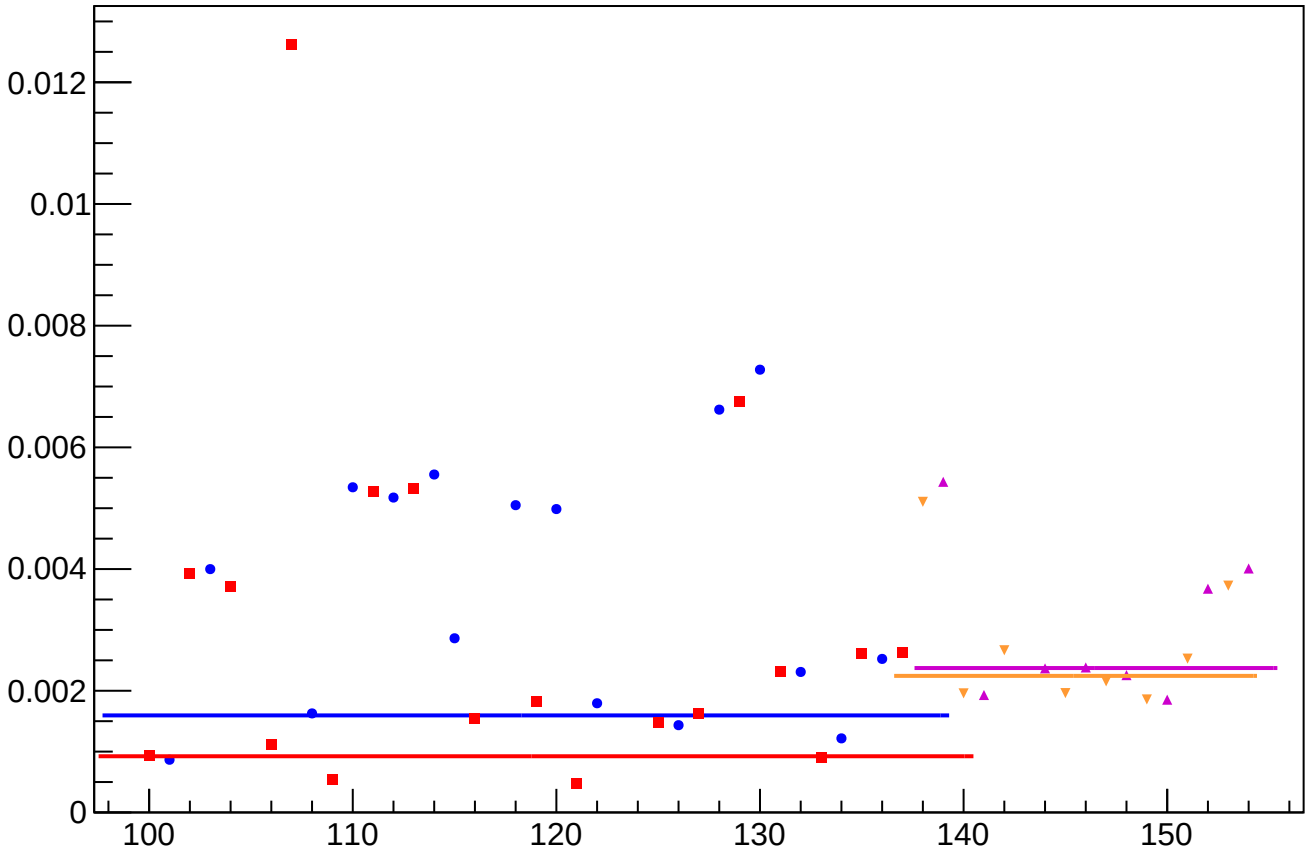
Left: -0.000+/-0.000 χ^2/NDF: 23.4/15

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:23.6/23

Out: -0.000+/-0.000 χ^2/NDF:33.2/25

All: -0.000+/-0.000 χ^2/NDF: 62.9/49



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:1273820.5/7

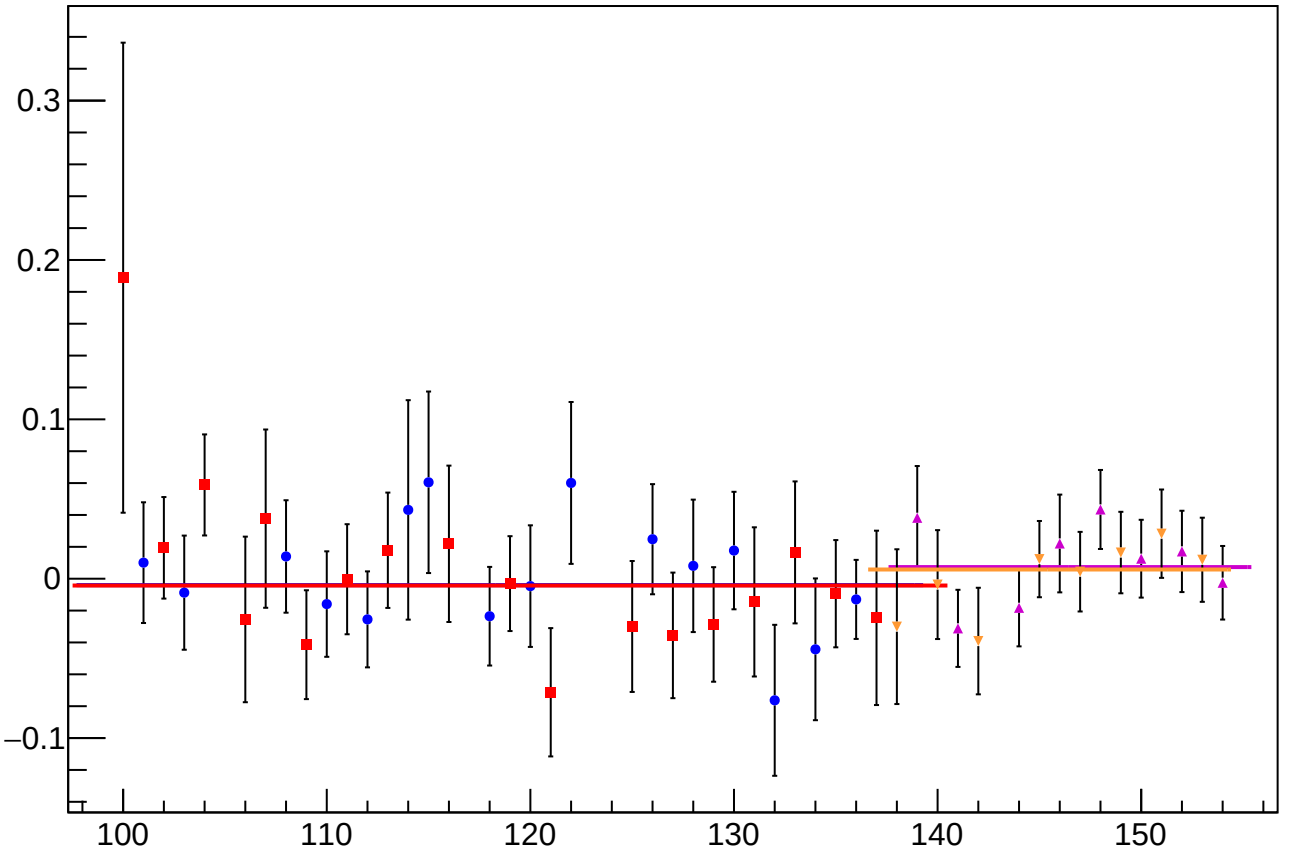
Left: 0.002+/-0.000 χ^2/NDF: 2213270.9/15

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

In: 0.002+/-0.000 χ^2/NDF:6865357.1/23

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

All: 0.001+/-0.000 χ^2/NDF: 18362123.8/49



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: 0.007+/-0.009 χ^2/NDF:7.3/7

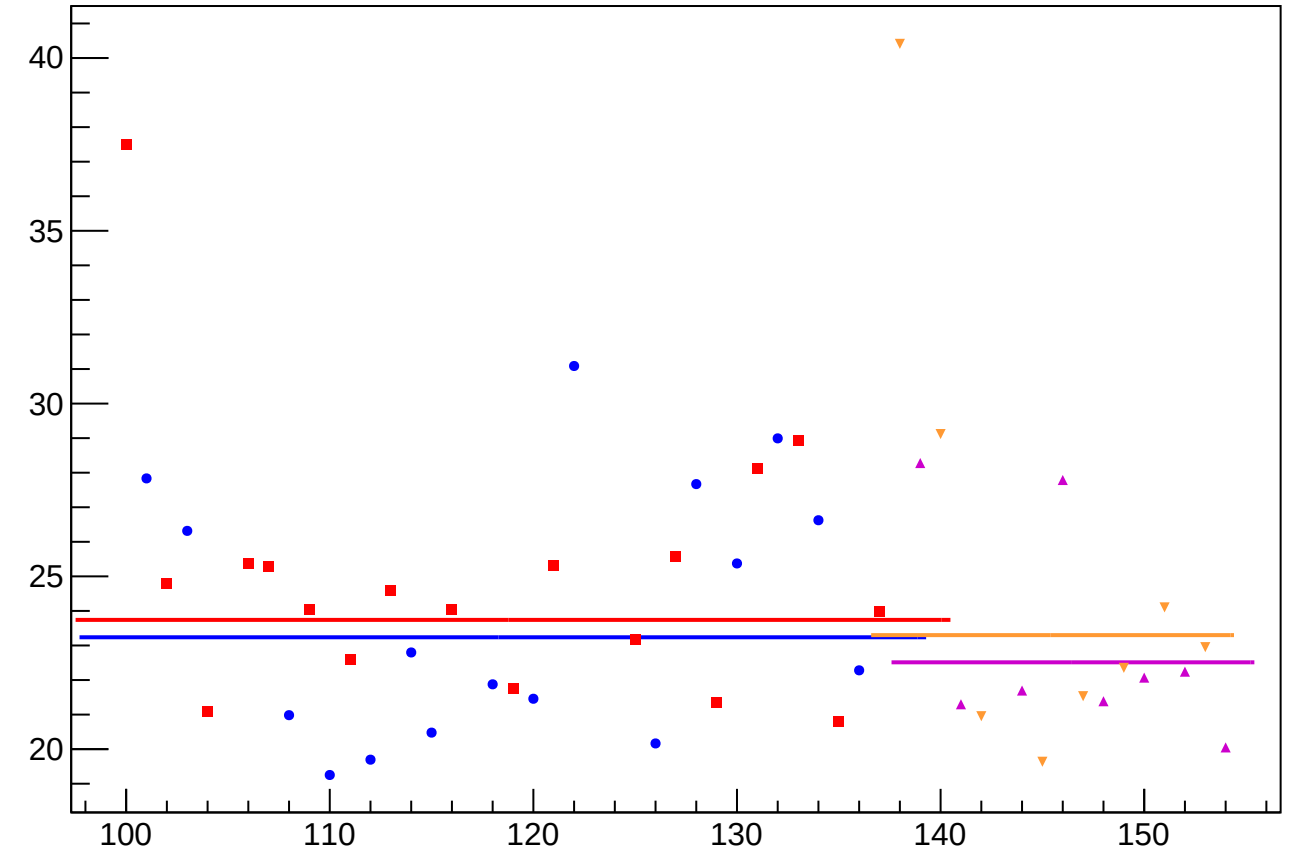
Left: 0.007+/-0.007 χ^2/NDF: 10.7/15

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

In: 0.002+/-0.006 χ^2/NDF:17.3/23

Out: 0.000+/-0.007 χ^2/NDF:17.4/25

All: 0.001+/-0.005 χ^2/NDF: 34.7/49



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: 22.513+/-0.006 χ^2/NDF:157284.8/7

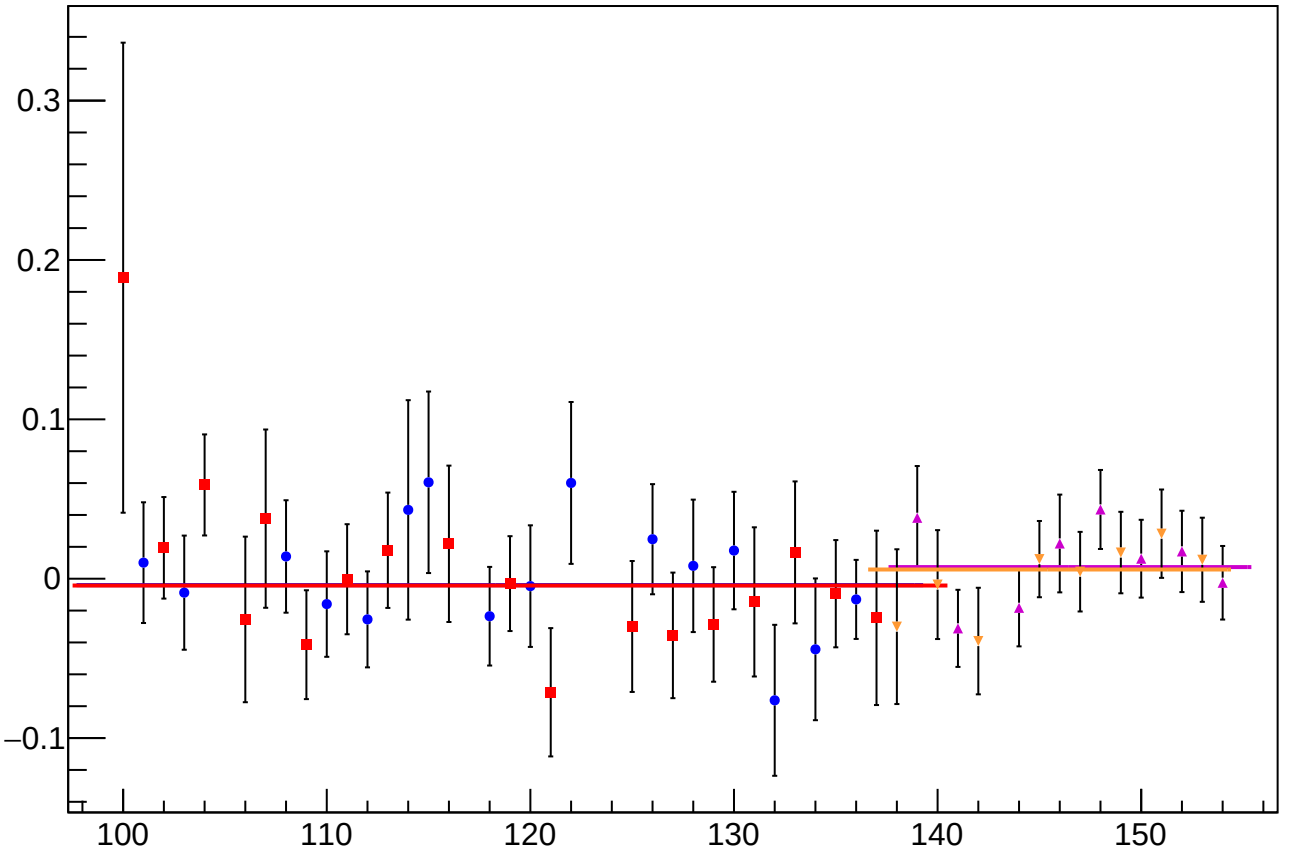
Left: 22.864+/-0.005 χ^2/NDF: 541854.0/15

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

In: 22.868+/-0.005 χ^2/NDF:422759.4/23

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

All: 23.184+/-0.003 χ^2/NDF: 938912.4/49



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: 0.007+/-0.009 χ^2/NDF:7.3/7

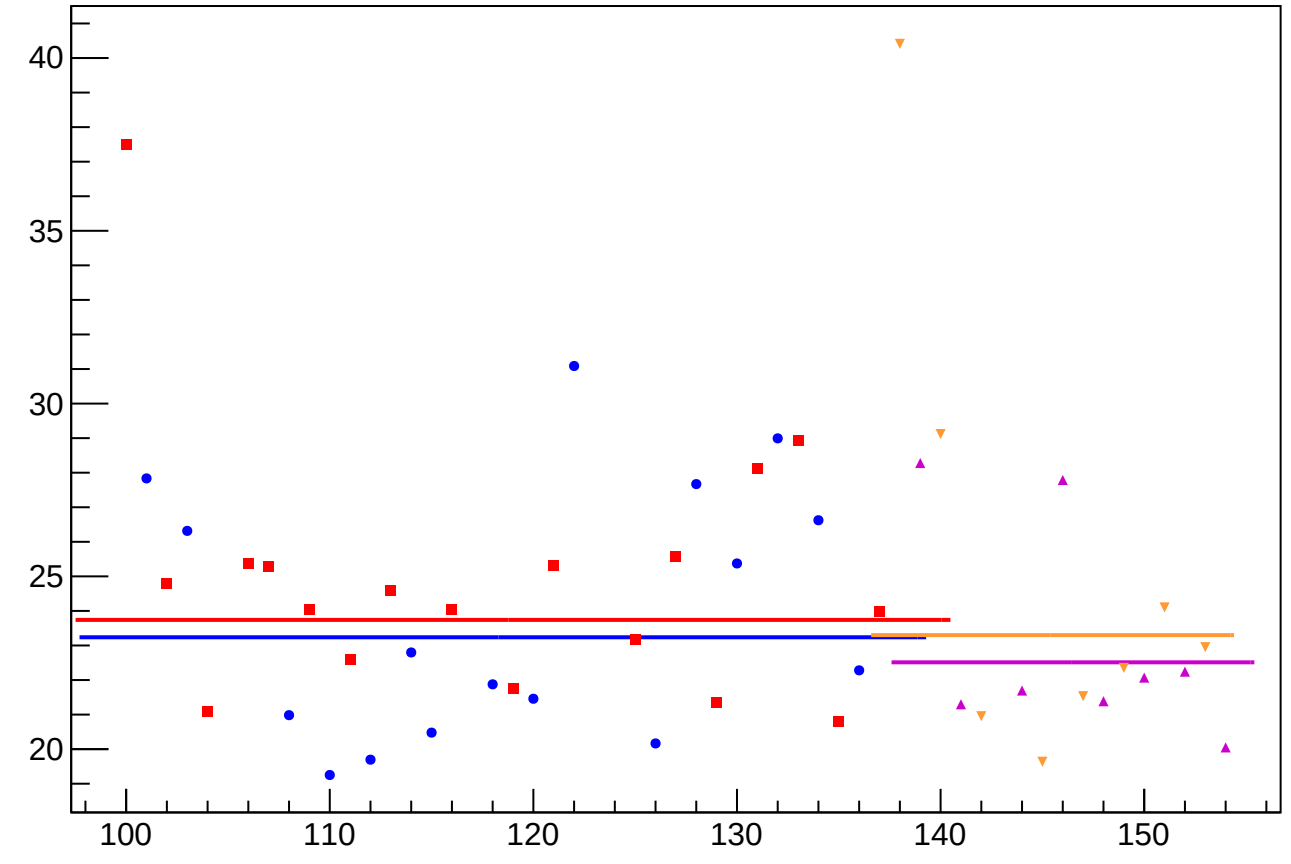
Left: 0.007+/-0.007 χ^2/NDF: 10.7/15

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

In: 0.002+/-0.006 χ^2/NDF:17.3/23

Out: 0.000+/-0.007 χ^2/NDF:17.4/25

All: 0.001+/-0.005 χ^2/NDF: 34.7/49



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: 22.513+/-0.006 χ^2/NDF:157284.8/7

Left: 22.864+/-0.005 χ^2/NDF: 541854.0/15

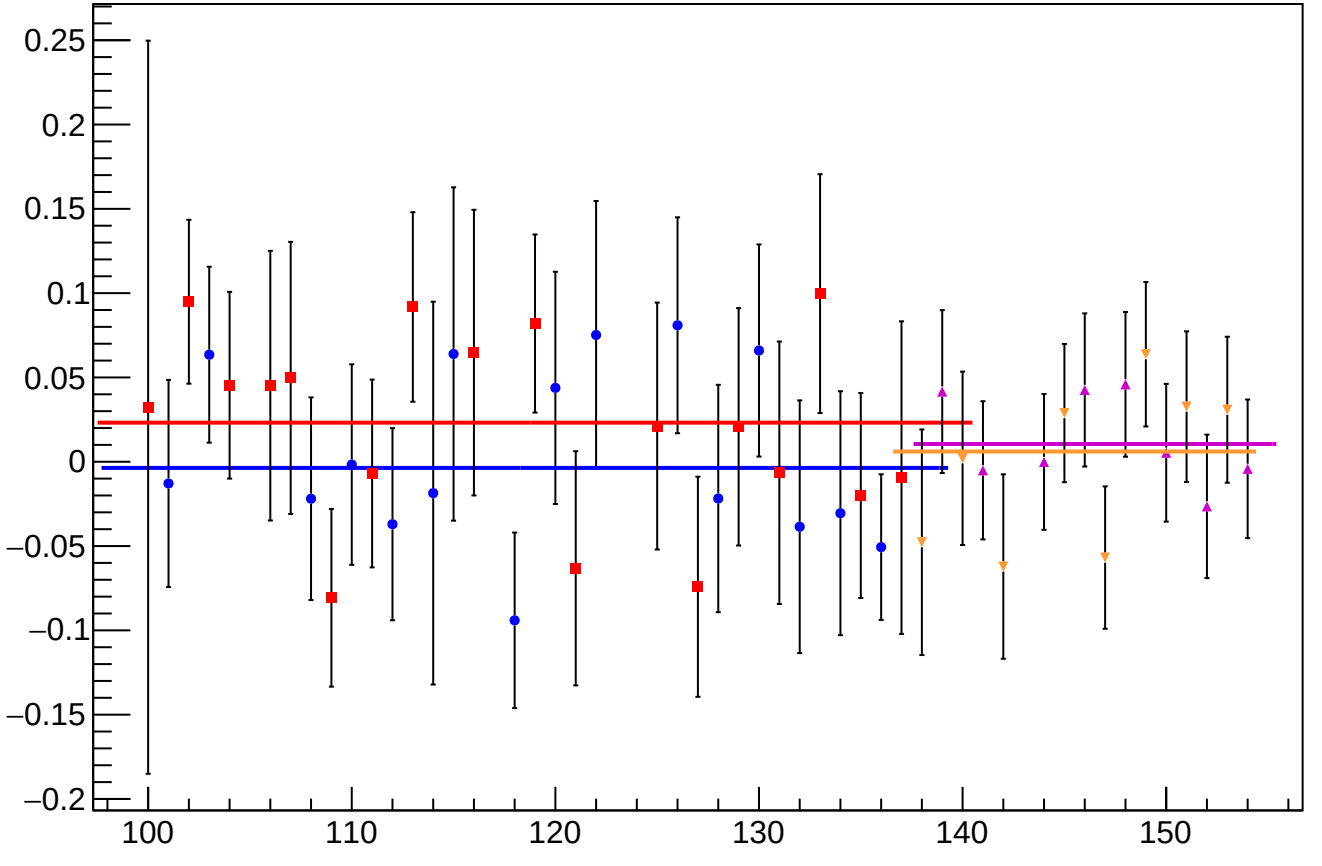
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 22.868+/-0.005 χ^2/NDF:422759.4/23

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

All: 23.184+/-0.003 χ^2/NDF: 938912.4/49

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: 0.011+/-0.015 χ^2/NDF:2.7/7

Left: 0.008+/-0.011 χ^2/NDF: 10.0/15

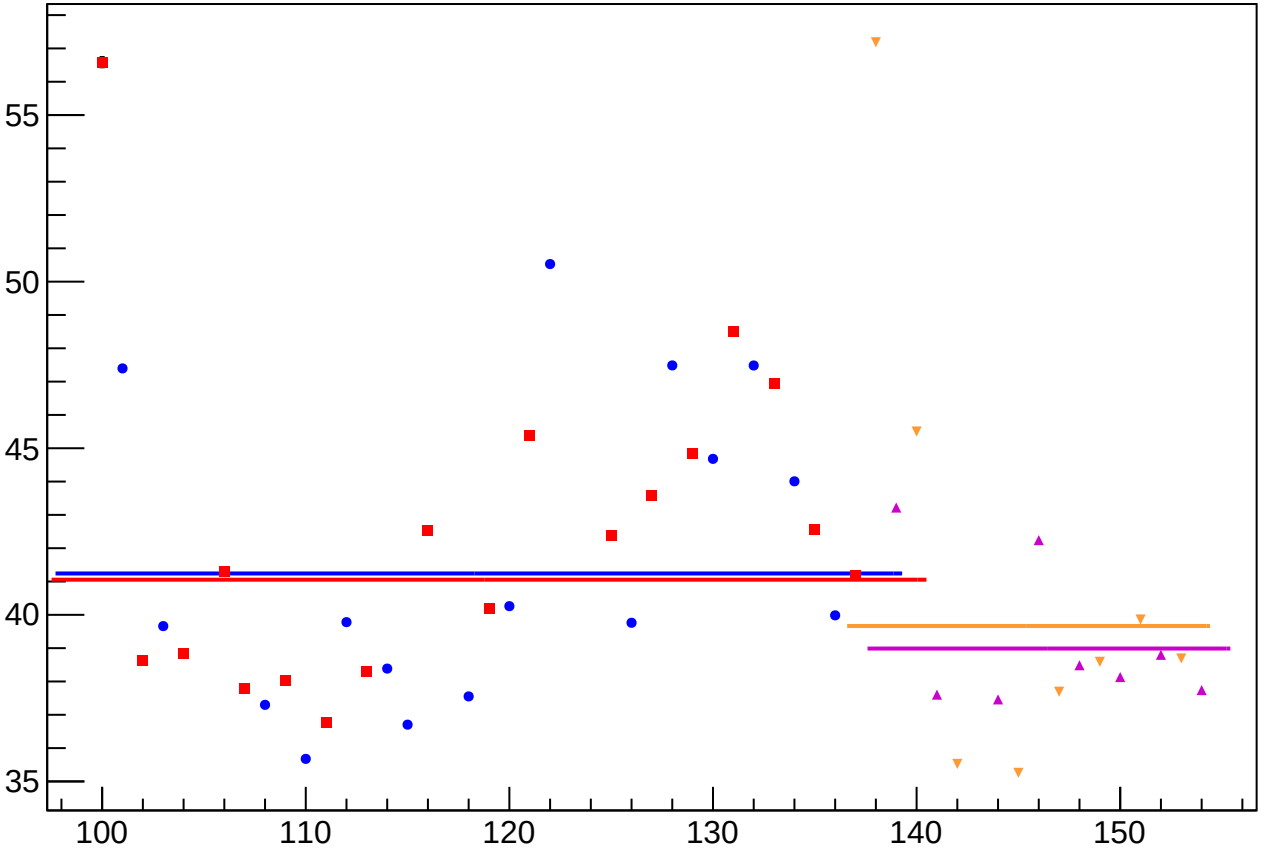
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.004+/-0.011 χ^2/NDF:14.8/23

Out: 0.015+/-0.011 χ^2/NDF:23.2/25

All: 0.009+/-0.008 χ^2/NDF: 38.5/49

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: 38.988+/-0.011 χ^2/NDF:33800.4/7

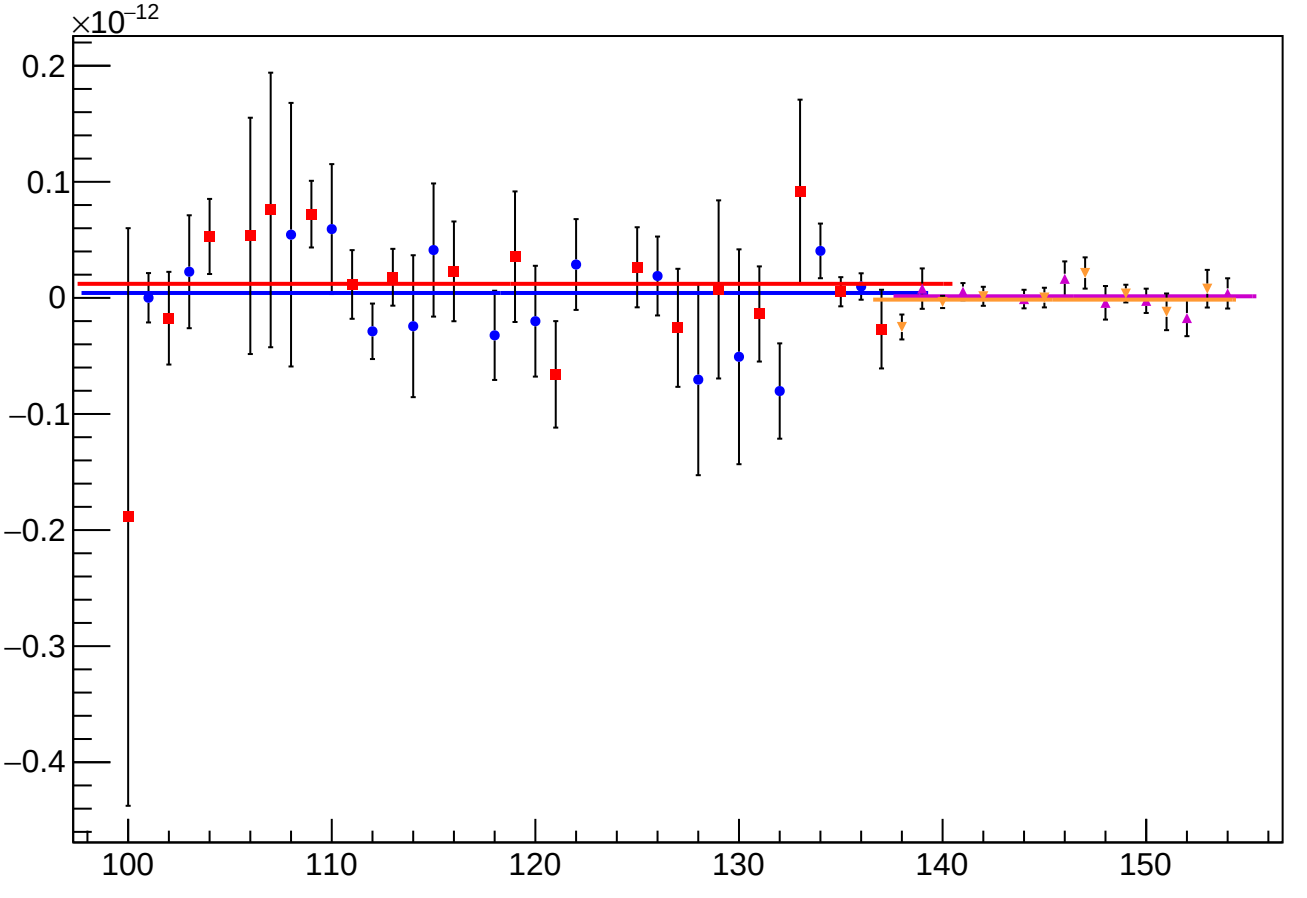
Left: 39.296+/-0.008 χ^2/NDF: 239782.4/15

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

In: 40.065+/-0.008 χ^2/NDF:190462.9/23

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

All: 40.228+/-0.006 χ^2/NDF: 499610.0/49



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:3.3/7

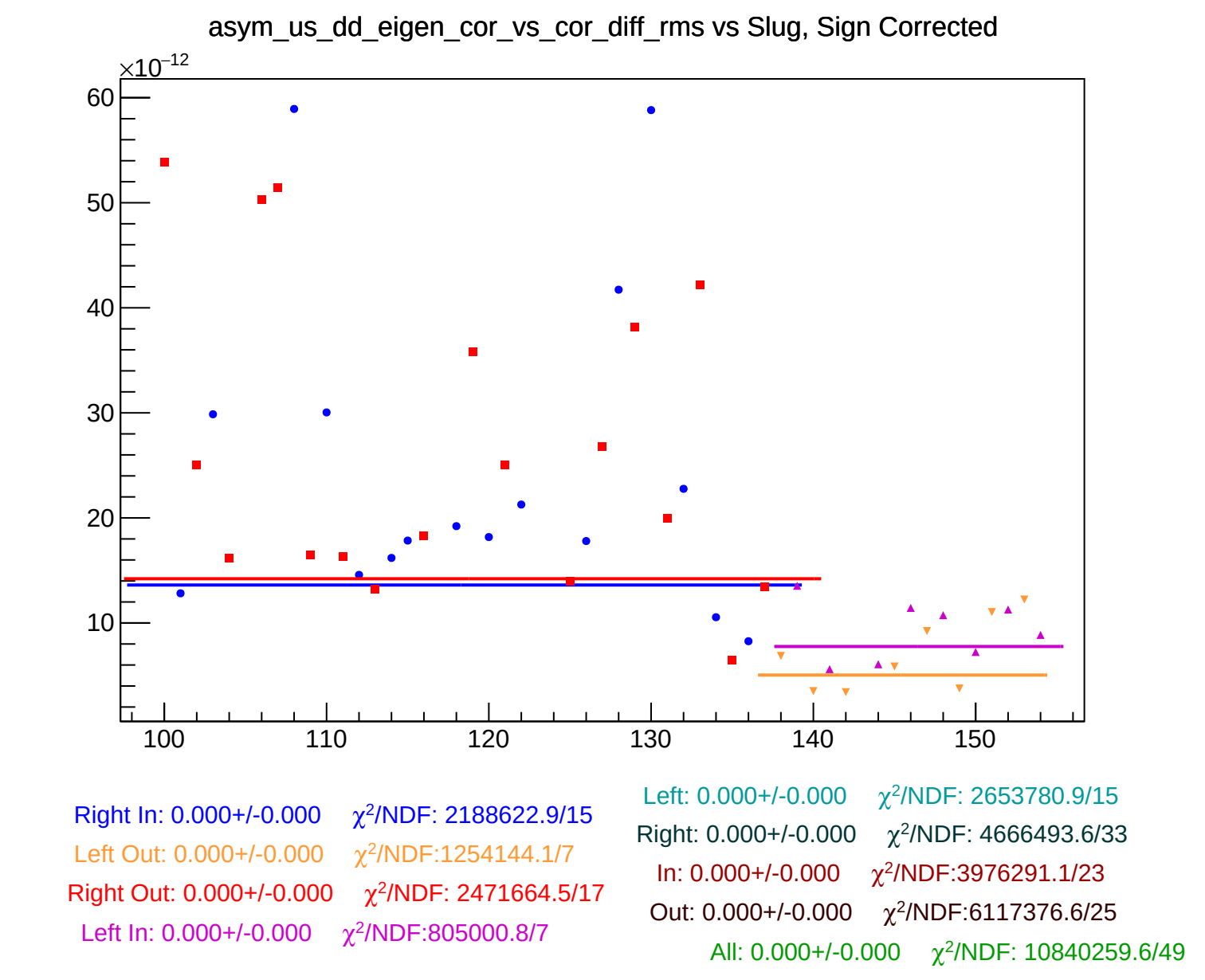
Left: -0.000+/-0.000 χ^2/NDF: 12.9/15

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

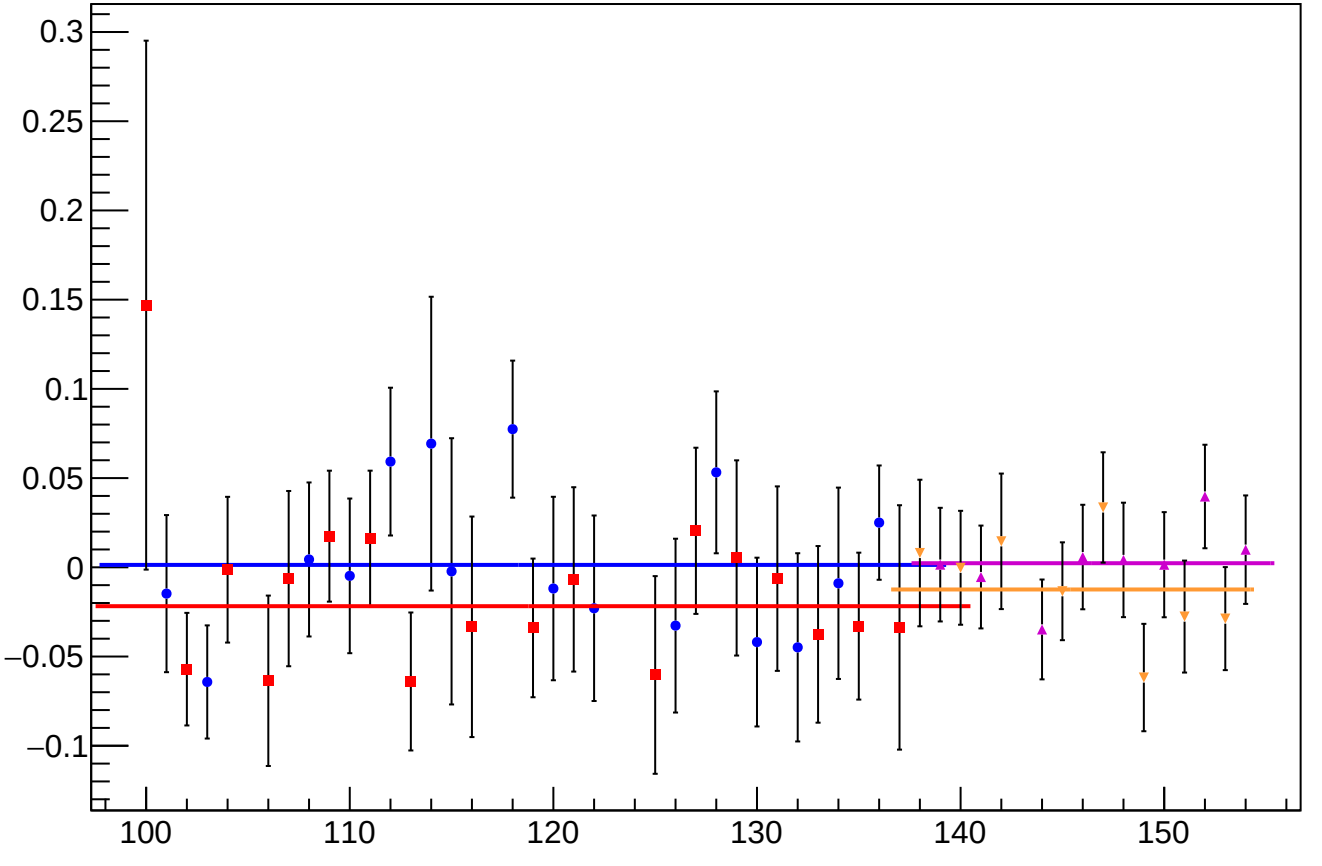
In: 0.000+/-0.000 χ^2/NDF:17.1/23

Out: 0.000+/-0.000 χ^2/NDF:26.5/25

All: 0.000+/-0.000 χ^2/NDF: 43.6/49


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:805000.8/7
Left: 0.000+/-0.000 χ²/NDF: 2653780.9/15
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:3976291.1/23
Out: 0.000+/-0.000 χ²/NDF:6117376.6/25
All: 0.000+/-0.000 χ²/NDF: 10840259.6/49

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: 0.002+/-0.011 χ^2/NDF:3.6/7

Left: -0.005+/-0.008 χ^2/NDF: 10.8/15

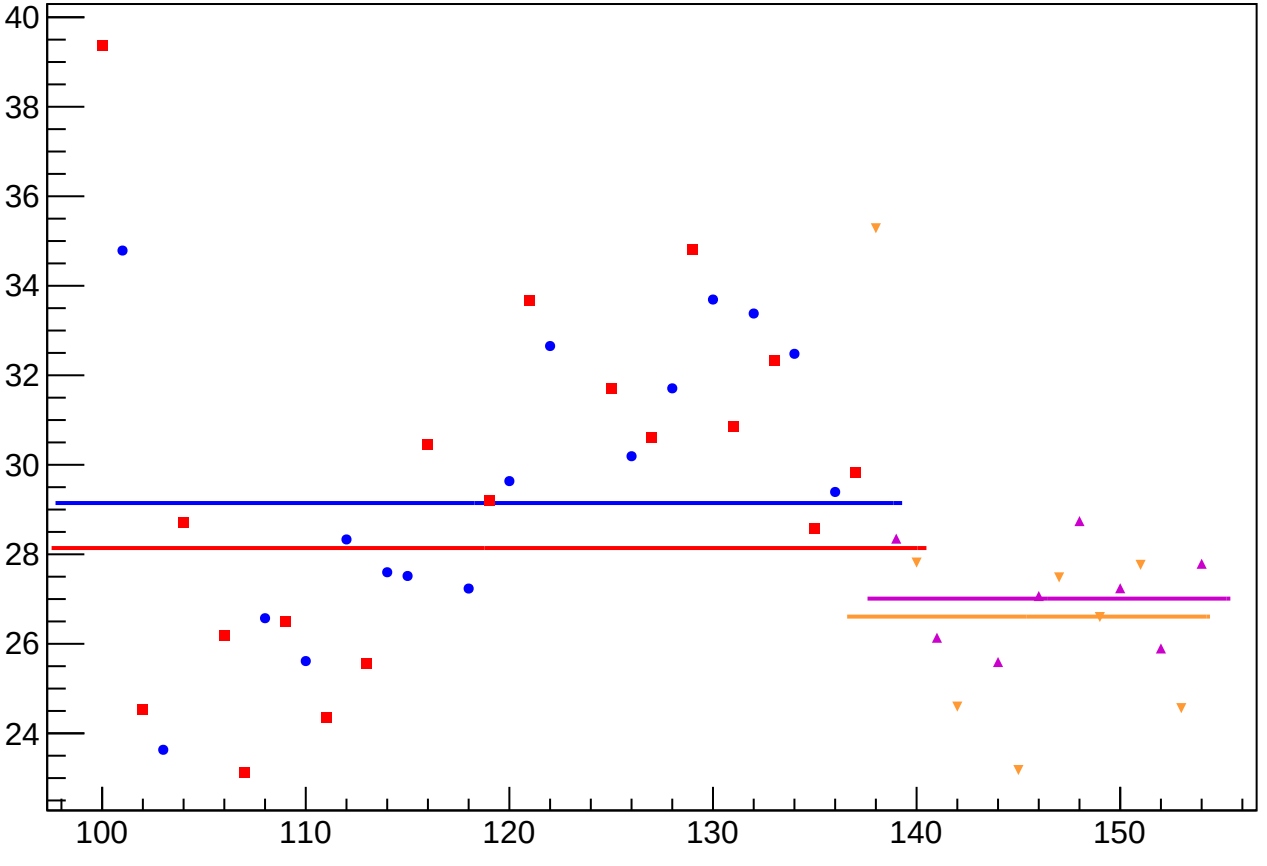
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.002+/-0.008 χ^2/NDF:18.8/23

Out: -0.017+/-0.008 χ^2/NDF:15.8/25

All: -0.008+/-0.005 χ^2/NDF: 37.7/49

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: 27.010+/-0.007 χ^2/NDF:20733.2/7

Left: 26.822+/-0.005 χ^2/NDF: 165456.3/15

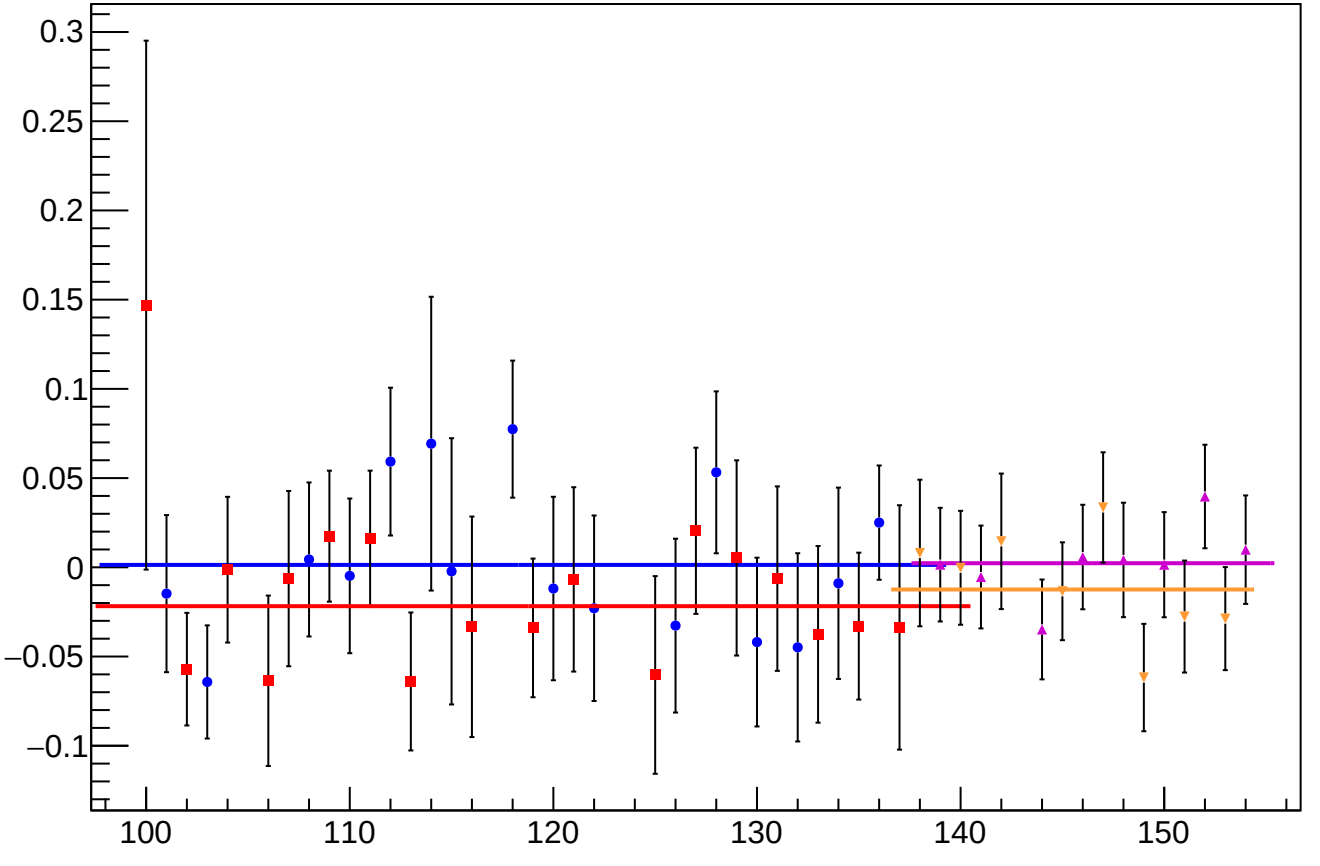
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.010+/-0.005 χ^2/NDF:236192.3/23

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

All: 27.711+/-0.004 χ^2/NDF: 592239.2/49

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.012+/-0.011 χ^2/NDF:6.4/7

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

Left In: 0.002+/-0.011 χ^2/NDF:3.6/7

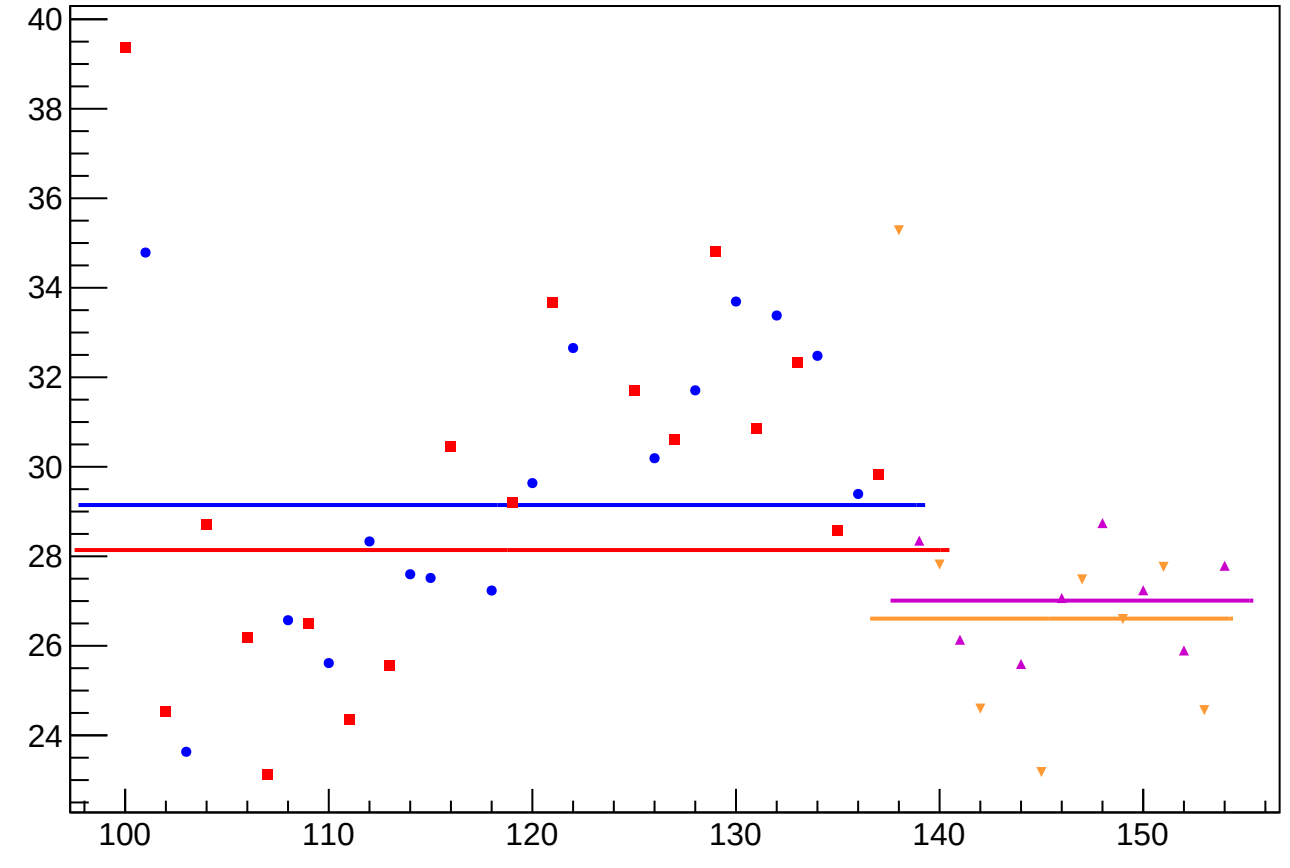
Left: -0.005+/-0.008 χ^2/NDF: 10.8/15

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

In: 0.002+/-0.008 χ^2/NDF:18.8/23

Out: -0.017+/-0.008 χ^2/NDF:15.8/25

All: -0.008+/-0.005 χ^2/NDF: 37.7/49



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: 27.010+/-0.007 χ^2/NDF:20733.2/7

Left: 26.822+/-0.005 χ^2/NDF: 165456.3/15

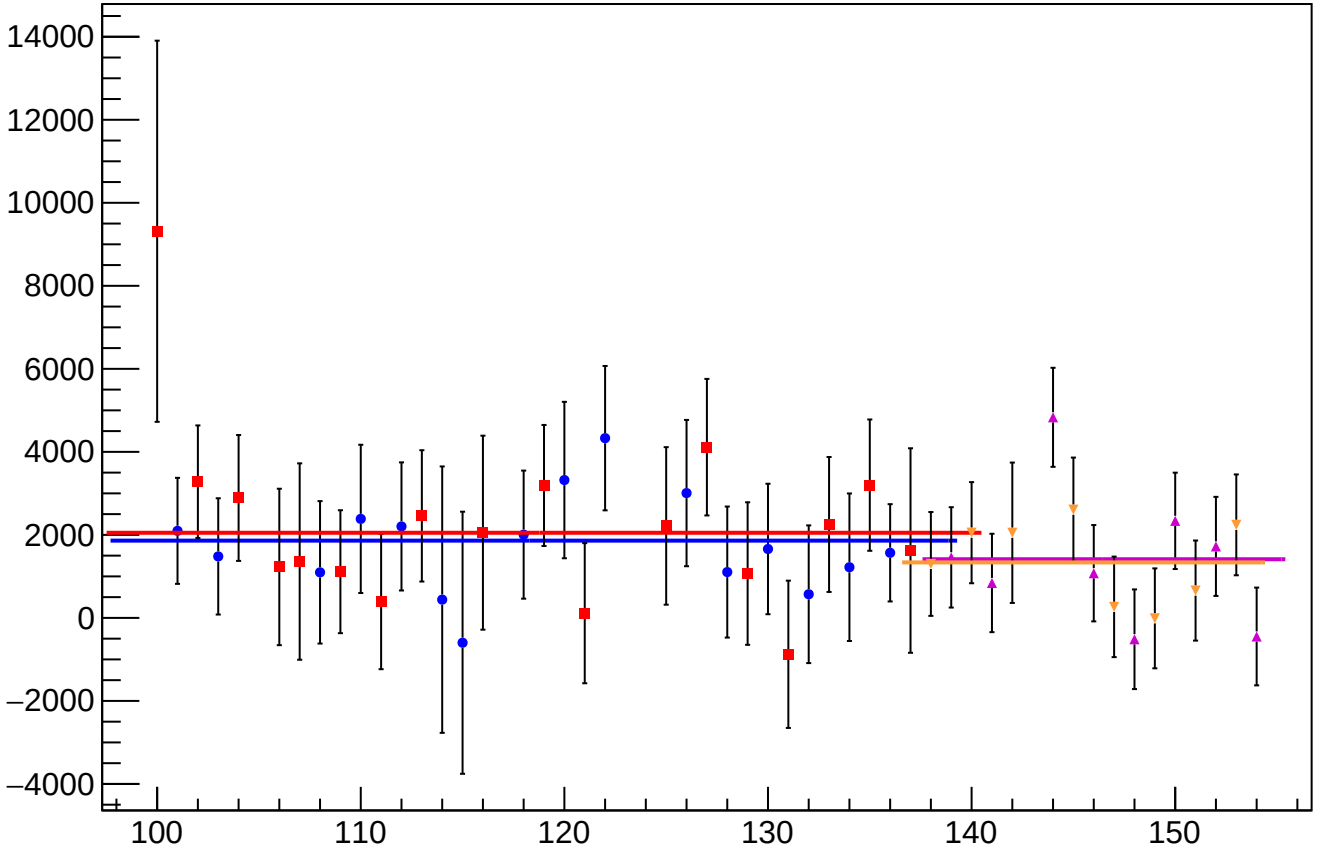
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.010+/-0.005 χ^2/NDF:236192.3/23

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

All: 27.711+/-0.004 χ^2/NDF: 592239.2/49

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: 1413.444+/-418.813 χ^2/NDF:14.3/7

Left: 1377.611+/-305.186 χ^2/NDF: 18.8/15

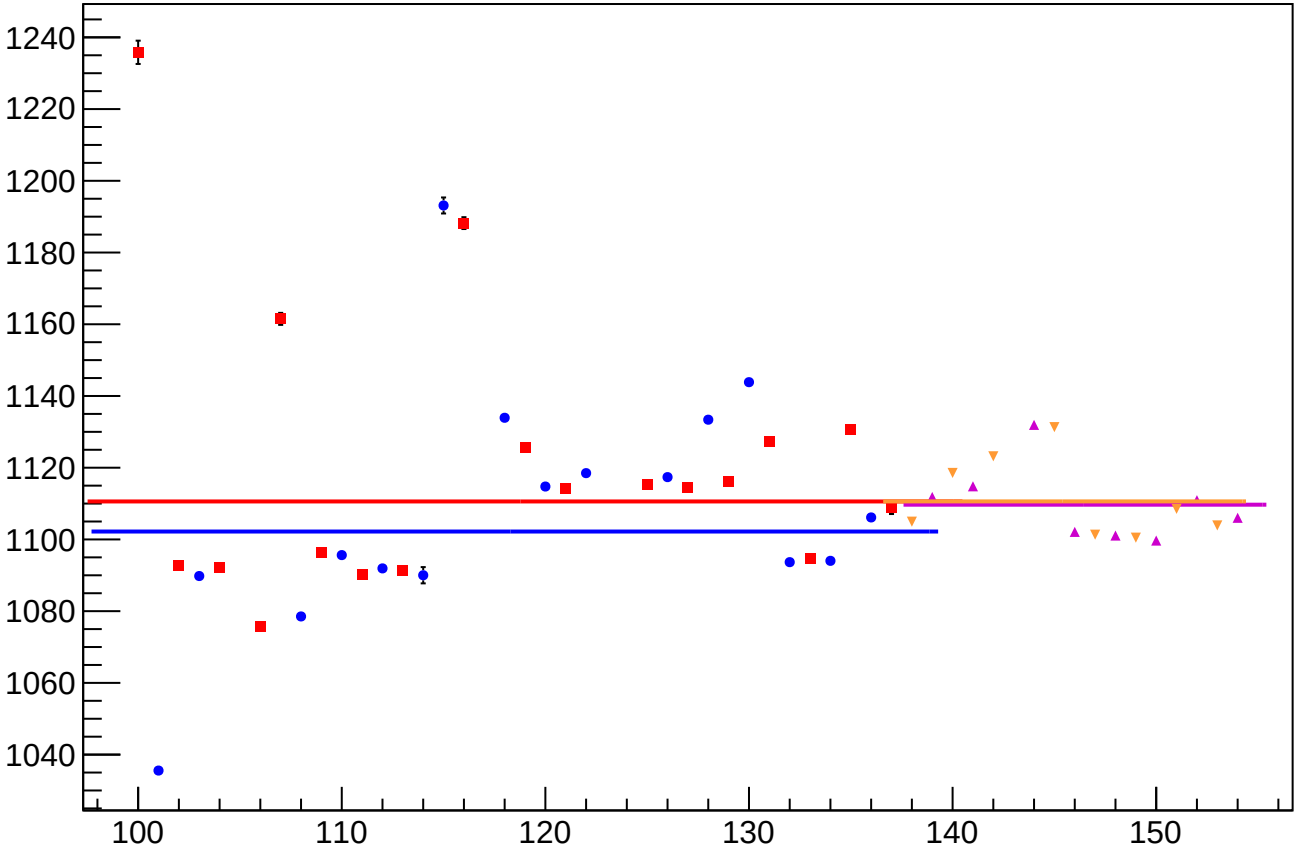
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1642.509+/-292.806 χ^2/NDF:20.2/23

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

All: 1682.201+/-210.026 χ^2/NDF: 38.7/49

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: 1109.687+/-0.296 χ^2/NDF:1098.2/7

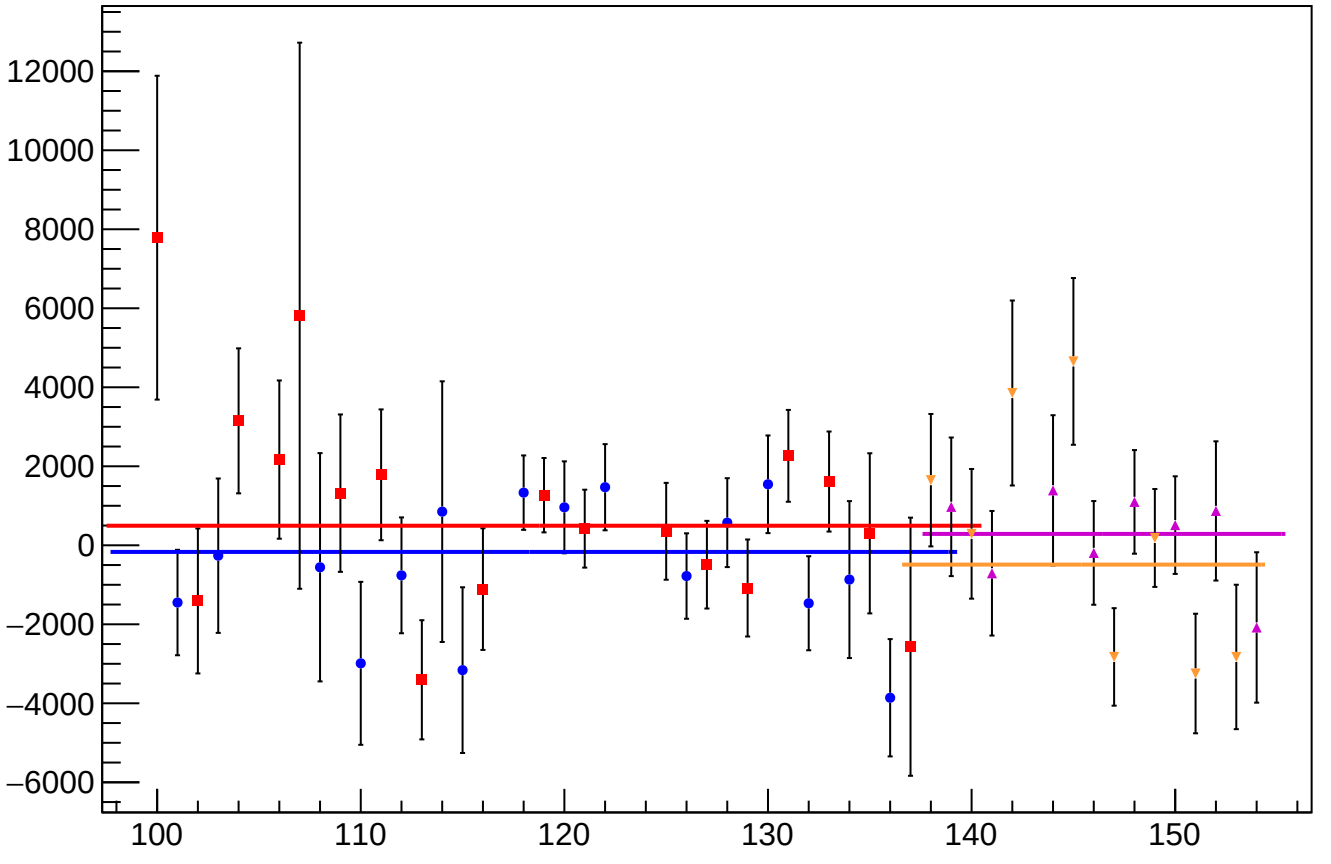
Left: 1110.118+/-0.216 χ^2/NDF: 2209.0/15

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

In: 1105.862+/-0.207 χ^2/NDF:12773.5/23

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

All: 1108.162+/-0.149 χ^2/NDF: 21829.8/49



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: 287.983+/-540.883 χ^2/NDF:3.1/7

Left: -86.388+/-389.388 χ^2/NDF: 24.2/15

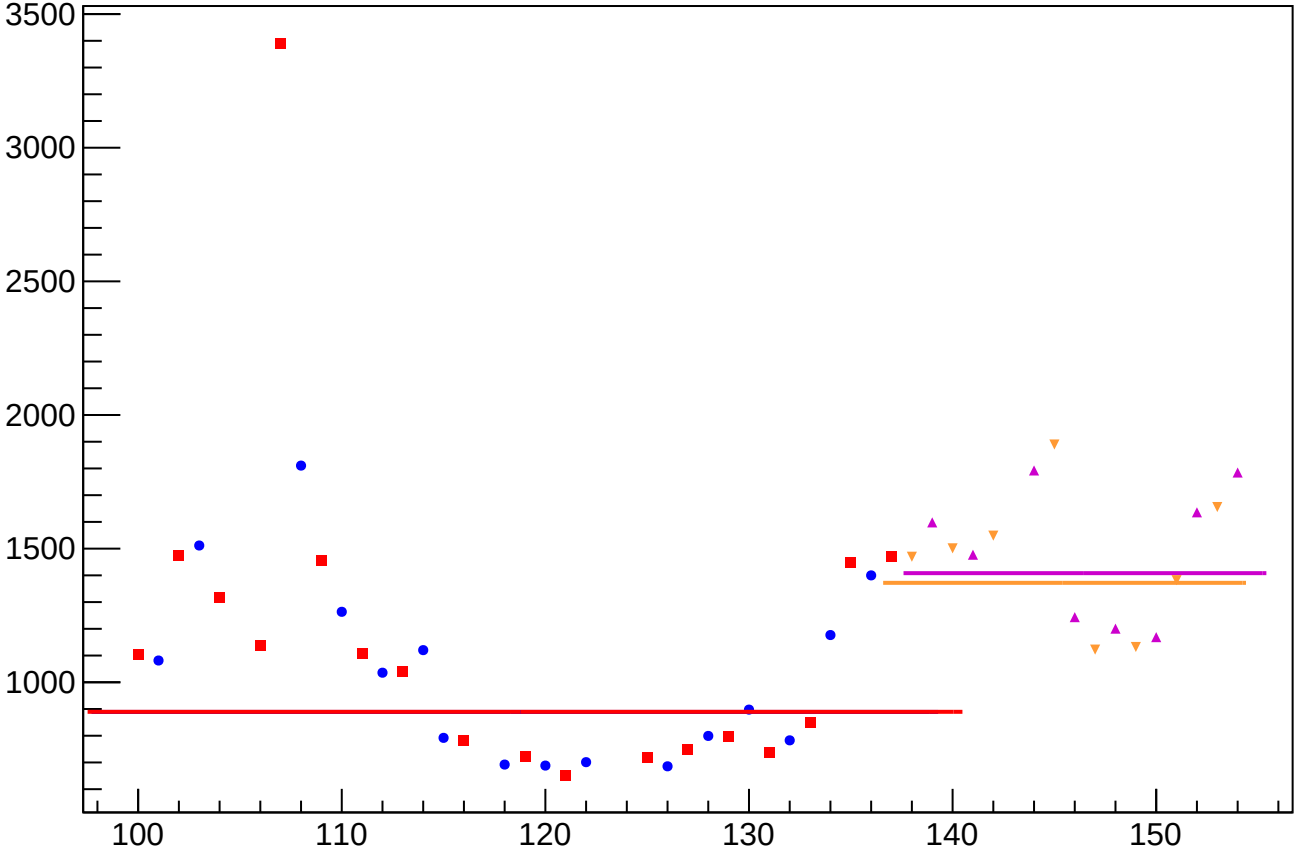
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -35.817+/-291.132 χ^2/NDF:24.6/23

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

All: 93.359+/-206.838 χ^2/NDF: 70.6/49

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: 1408.256+/-0.382 χ^2/NDF:377161.0/7

Left: 1390.806+/-0.275 χ^2/NDF: 737425.9/15

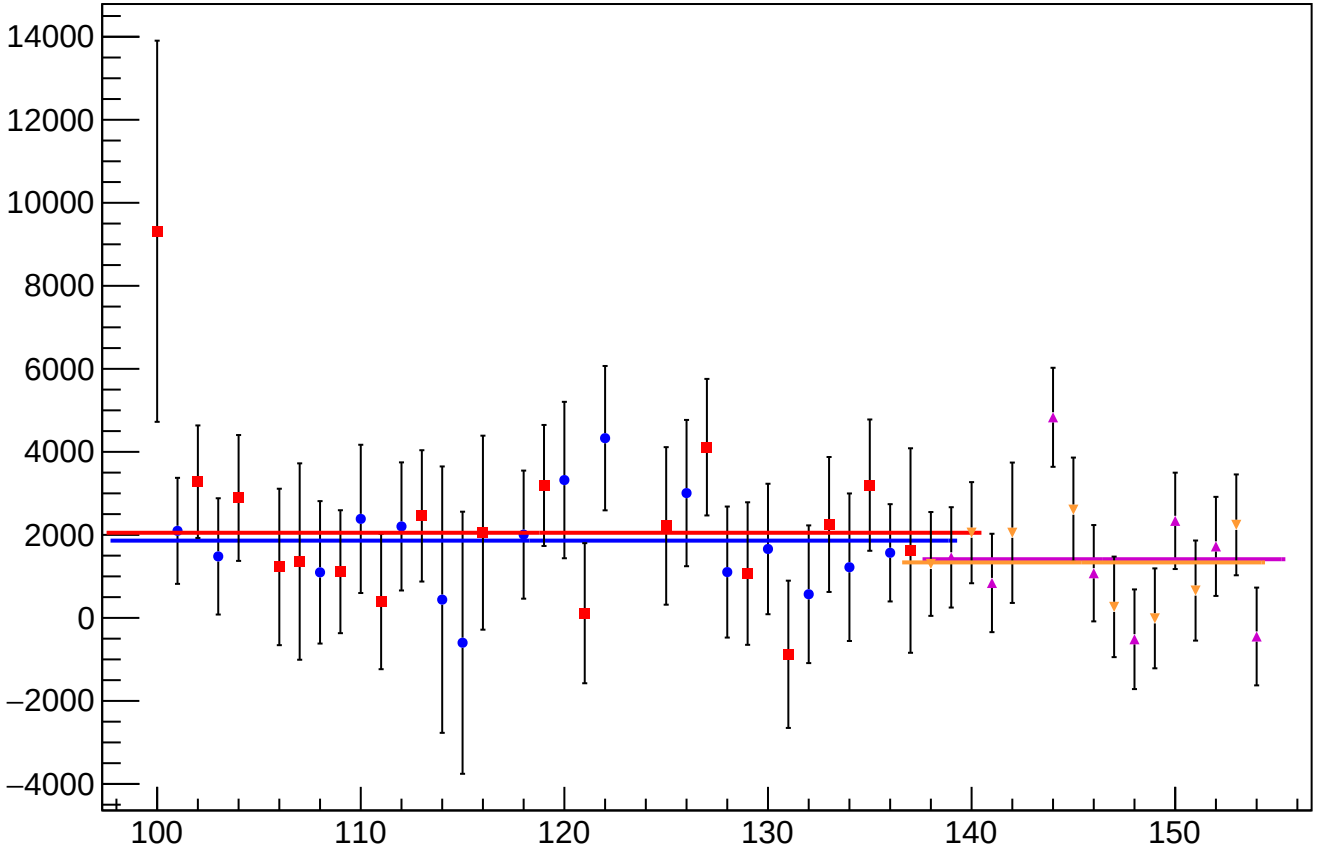
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1039.406+/-0.206 χ^2/NDF:2819388.1/23

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

All: 1030.745+/-0.146 χ^2/NDF: 5598198.0/49

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: 1413.444+/-418.813 χ^2/NDF:14.3/7

Left: 1377.611+/-305.186 χ^2/NDF: 18.8/15

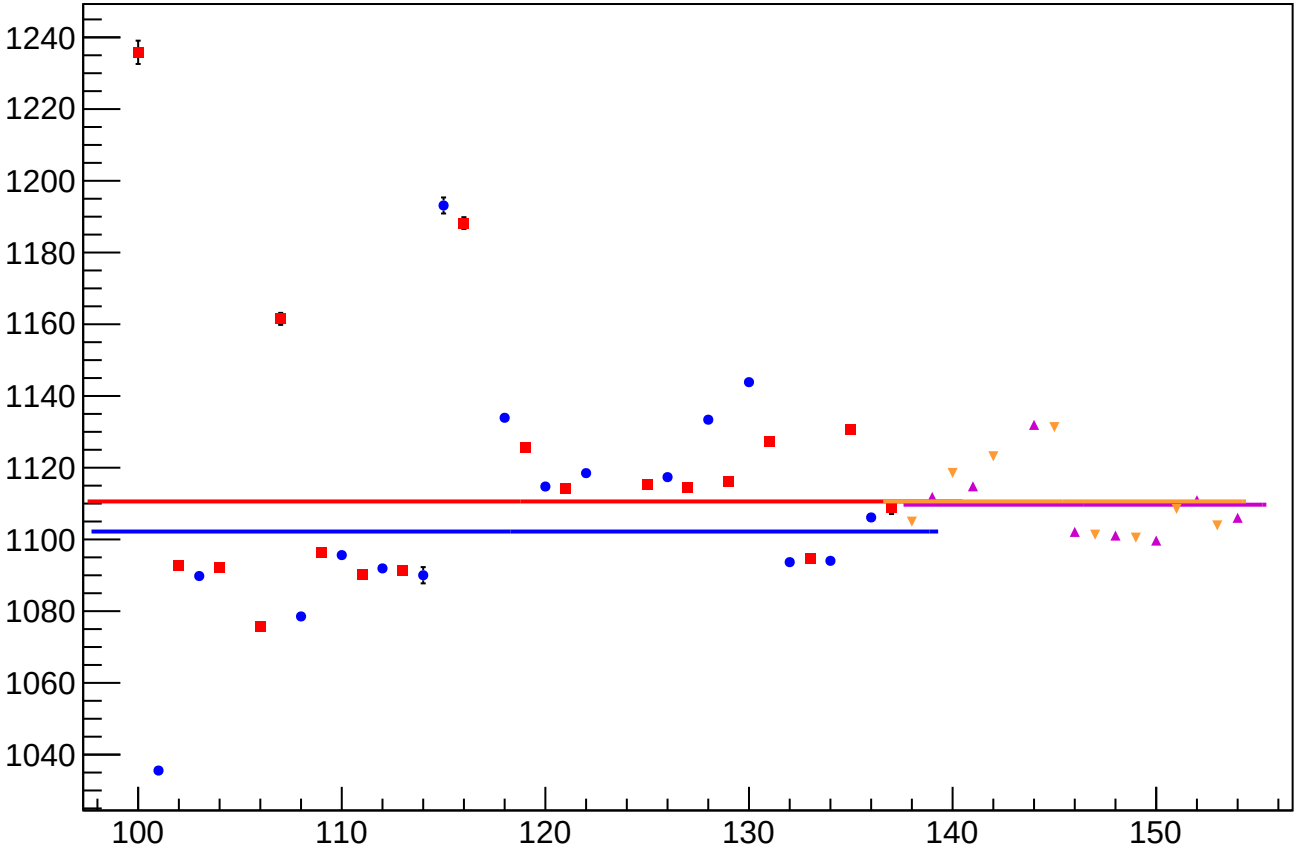
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1642.509+/-292.806 χ^2/NDF:20.2/23

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

All: 1682.201+/-210.026 χ^2/NDF: 38.7/49

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: 1109.687+/-0.296 χ^2/NDF:1098.2/7

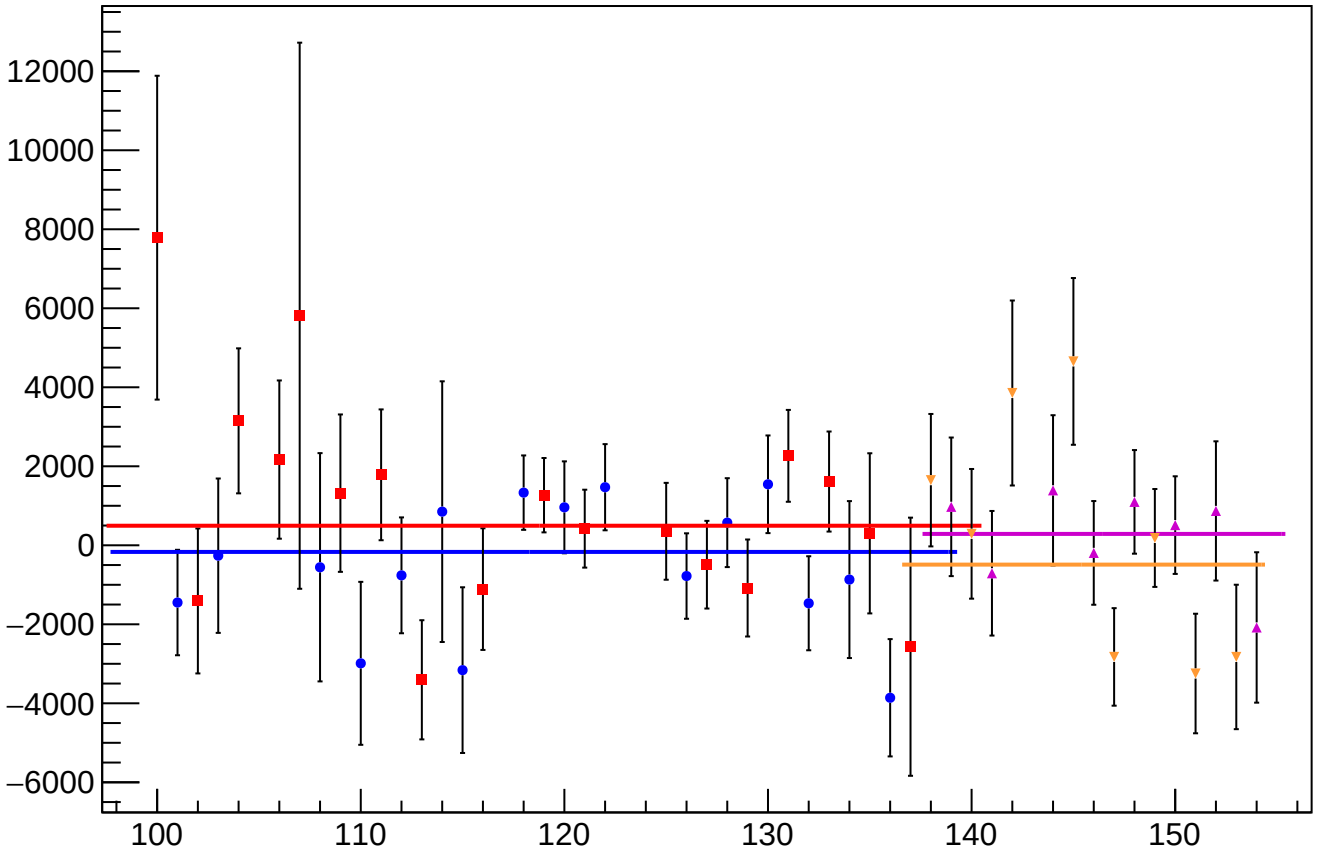
Left: 1110.118+/-0.216 χ^2/NDF: 2209.0/15

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

In: 1105.862+/-0.207 χ^2/NDF:12773.5/23

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

All: 1108.162+/-0.149 χ^2/NDF: 21829.8/49



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: 287.983+/-540.883 χ^2/NDF:3.1/7

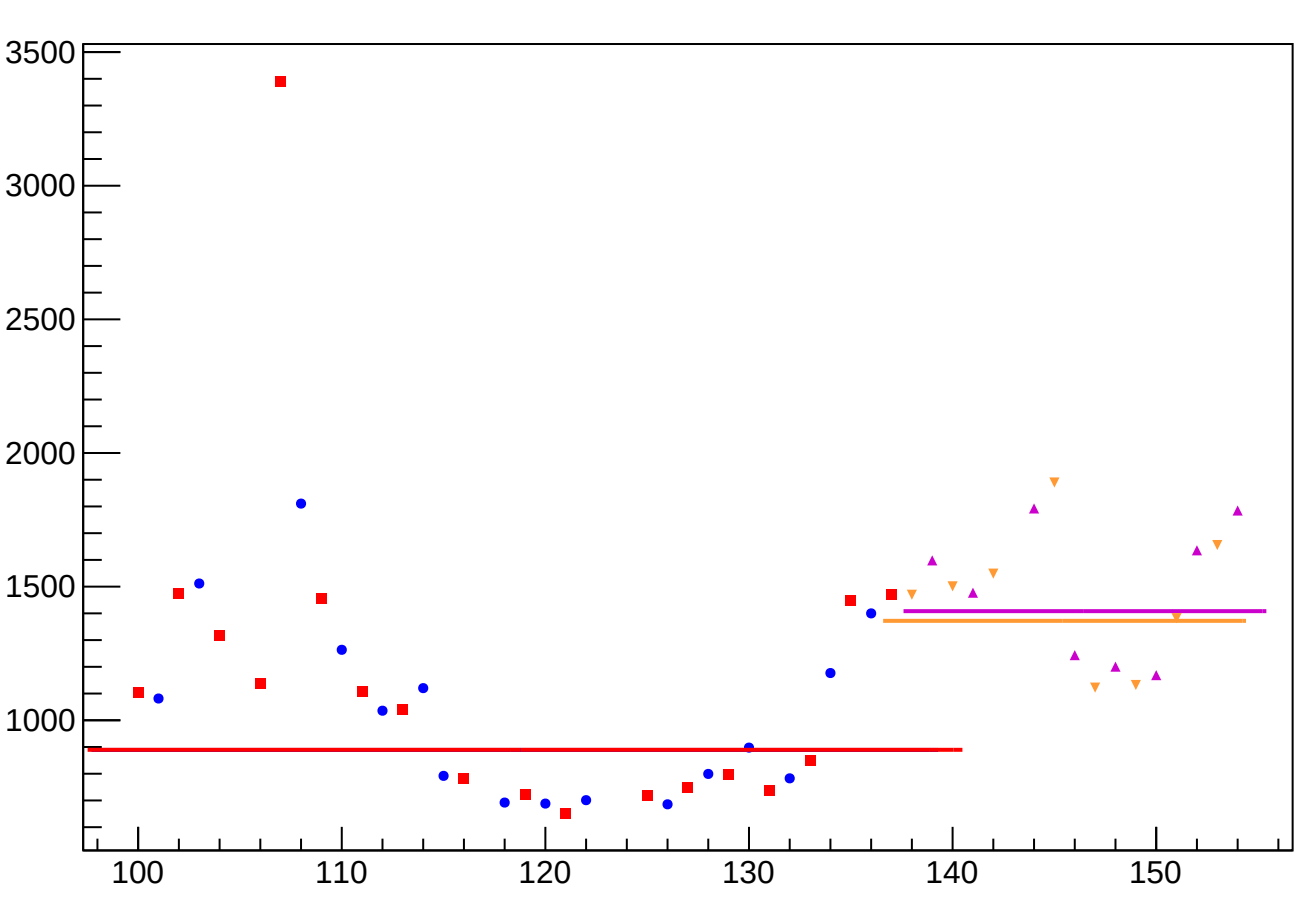
Left: -86.388+/-389.388 χ^2/NDF: 24.2/15

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

In: -35.817+/-291.132 χ^2/NDF:24.6/23

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

All: 93.359+/-206.838 χ^2/NDF: 70.6/49



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: 1408.256+/-0.382 χ^2/NDF:377161.0/7

Left: 1390.806+/-0.275 χ^2/NDF: 737425.9/15

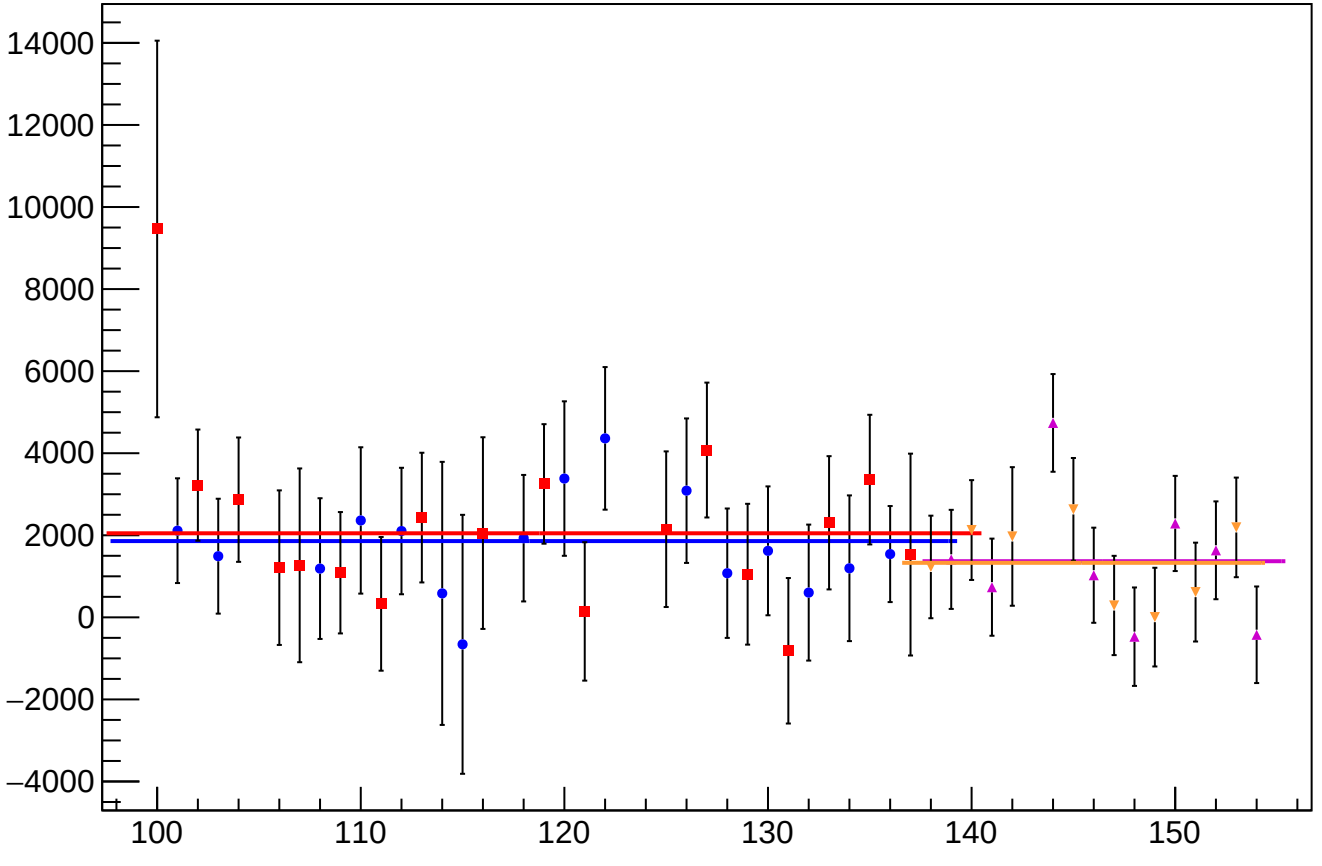
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1039.406+/-0.206 χ^2/NDF:2819388.1/23

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

All: 1030.745+/-0.146 χ^2/NDF: 5598198.0/49

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: 1368.068+/-418.358 χ^2/NDF:13.7/7

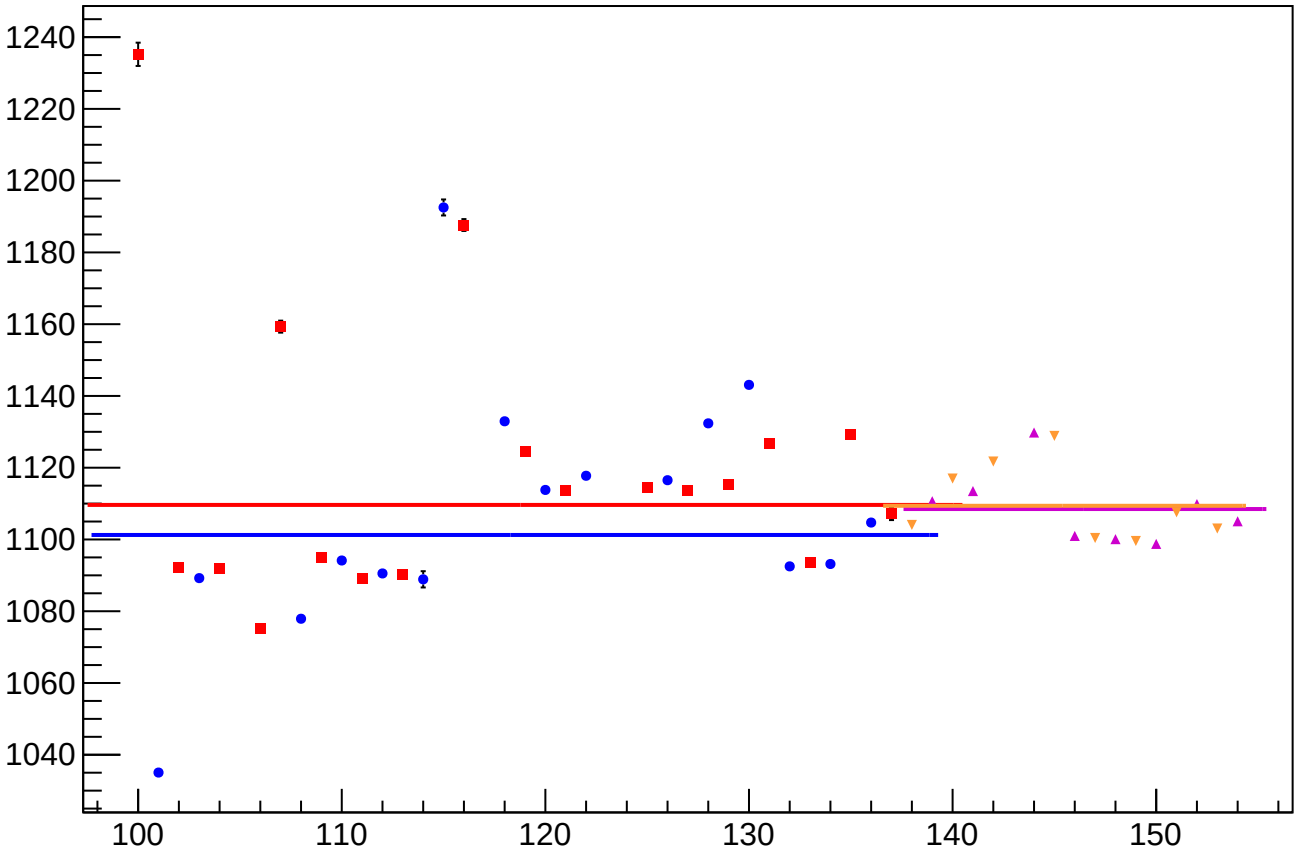
Left: 1349.743+/-304.852 χ^2/NDF: 18.2/15

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

In: 1618.822+/-292.521 χ^2/NDF:19.9/23

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

All: 1667.616+/-209.822 χ^2/NDF: 38.6/49



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: 1108.484+/-0.296 χ^2/NDF:1025.1/7

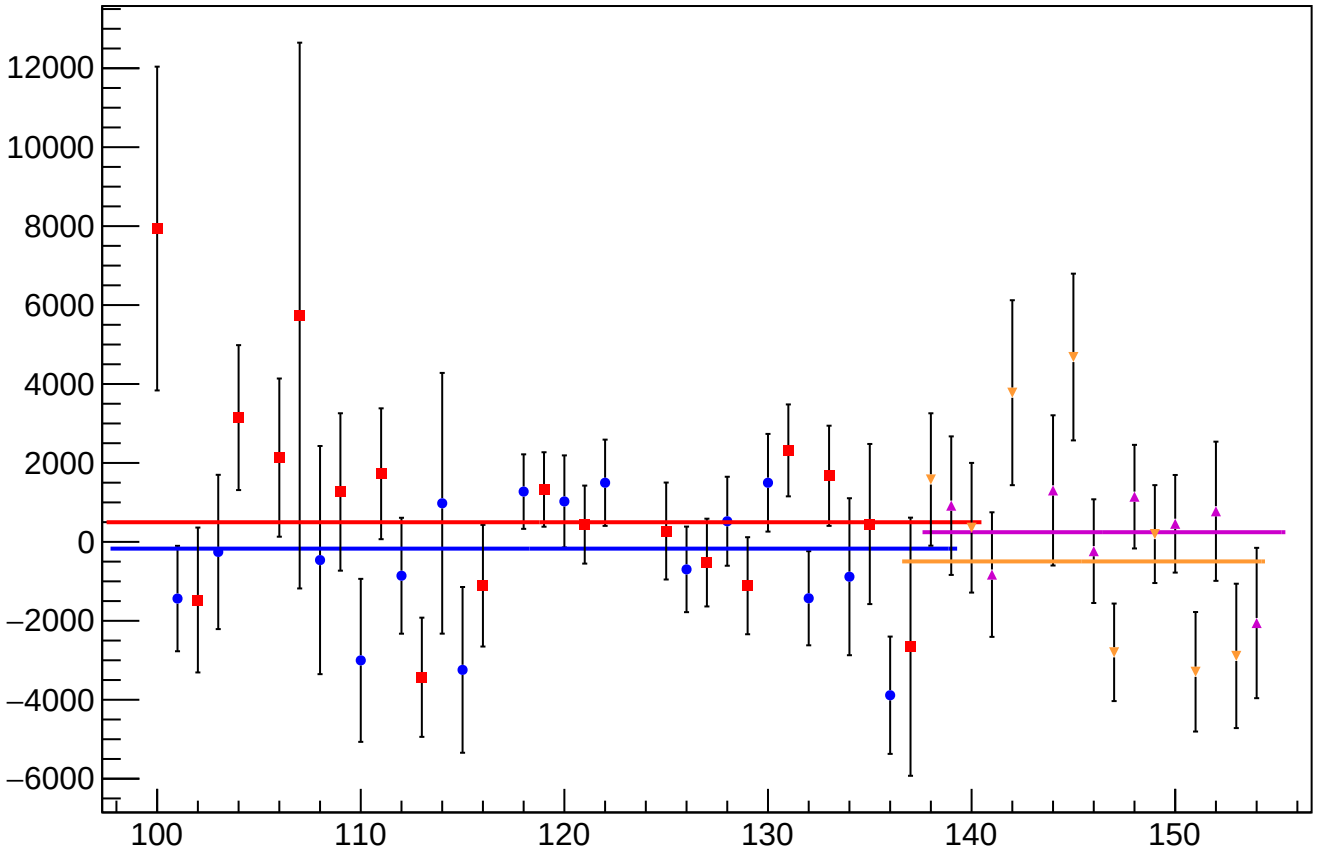
Left: 1108.907+/-0.216 χ^2/NDF: 2036.3/15

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

In: 1104.789+/-0.207 χ^2/NDF:12638.5/23

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

All: 1107.085+/-0.148 χ^2/NDF: 21572.6/49



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: 245.296+/-541.238 χ^2/NDF:3.1/7

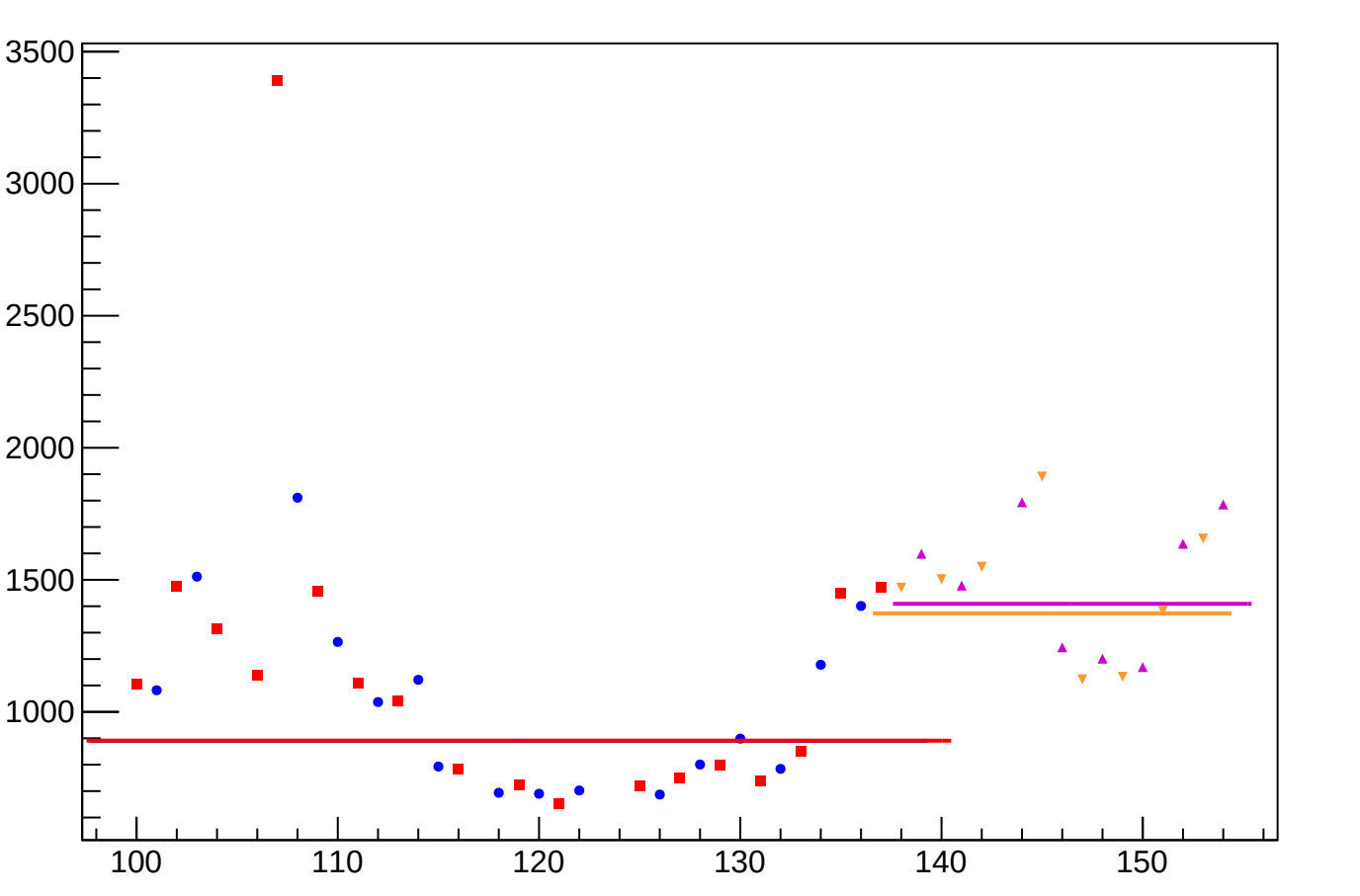
Left: -111.315+/-389.647 χ^2/NDF: 24.1/15

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

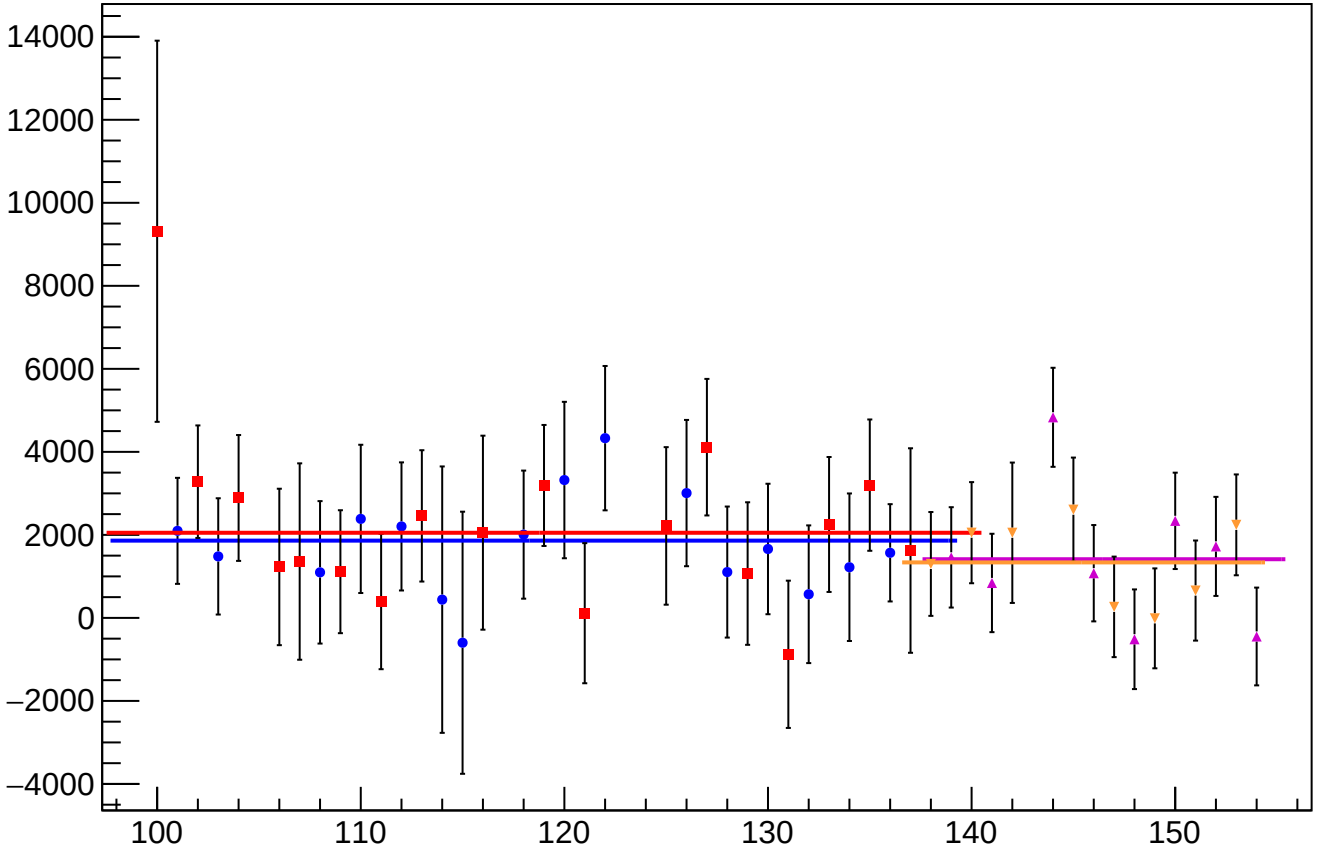
In: -50.187+/-291.510 χ^2/NDF:24.4/23

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

All: 86.161+/-207.102 χ^2/NDF: 71.1/49


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: 1409.211+/-0.383 χ²/NDF:376699.9/7
Left: 1391.763+/-0.276 χ²/NDF: 736609.3/15
Right: 890.717+/-0.173 χ²/NDF: 2470545.1/33
In: 1040.968+/-0.206 χ²/NDF:2809561.8/23
Out: 1023.395+/-0.208 χ²/NDF:2766788.0/25
All: 1032.265+/-0.146 χ²/NDF: 5579949.6/49

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: 1413.444+/-418.813 χ^2/NDF:14.3/7

Left: 1377.611+/-305.186 χ^2/NDF: 18.8/15

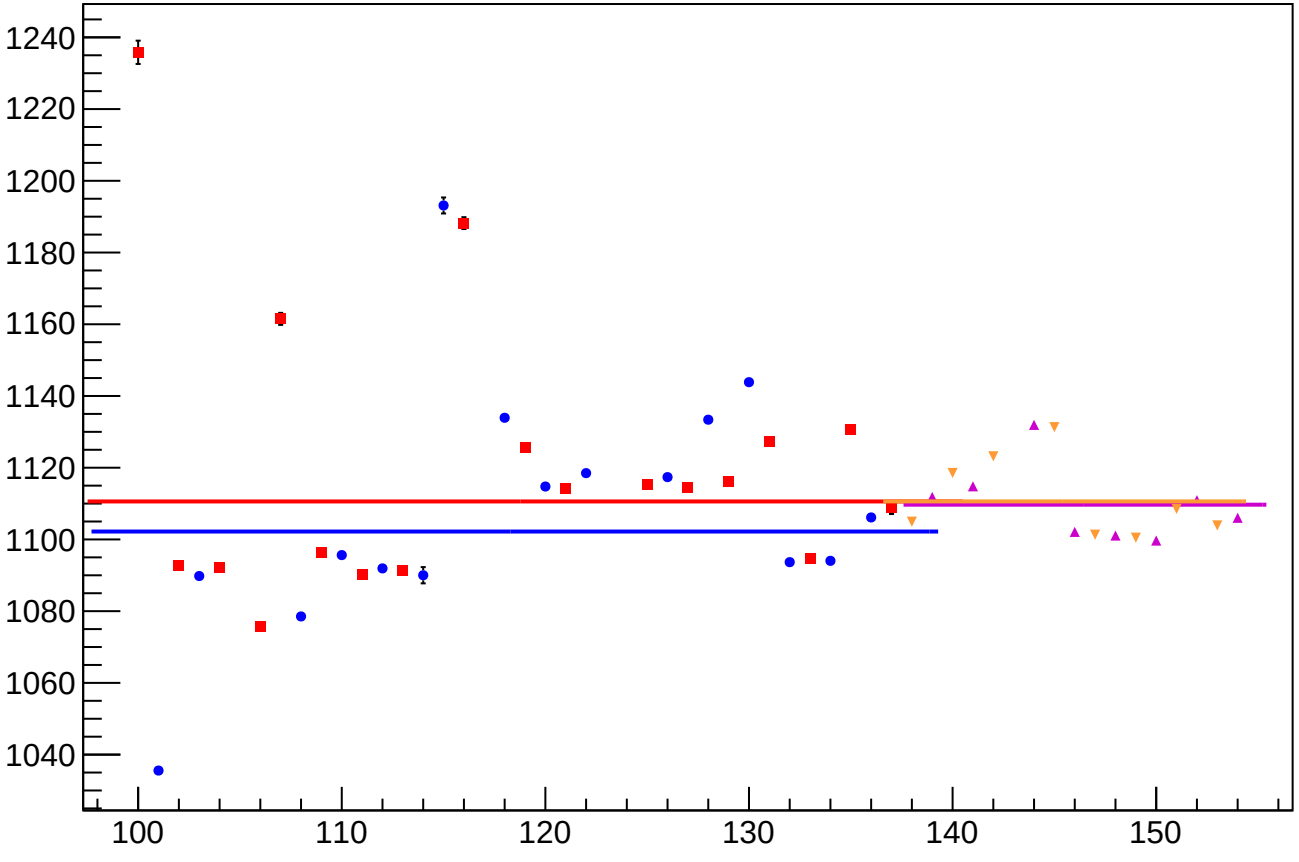
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1642.509+/-292.806 χ^2/NDF:20.2/23

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

All: 1682.201+/-210.026 χ^2/NDF: 38.7/49

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: 1109.687+/-0.296 χ^2/NDF:1098.2/7

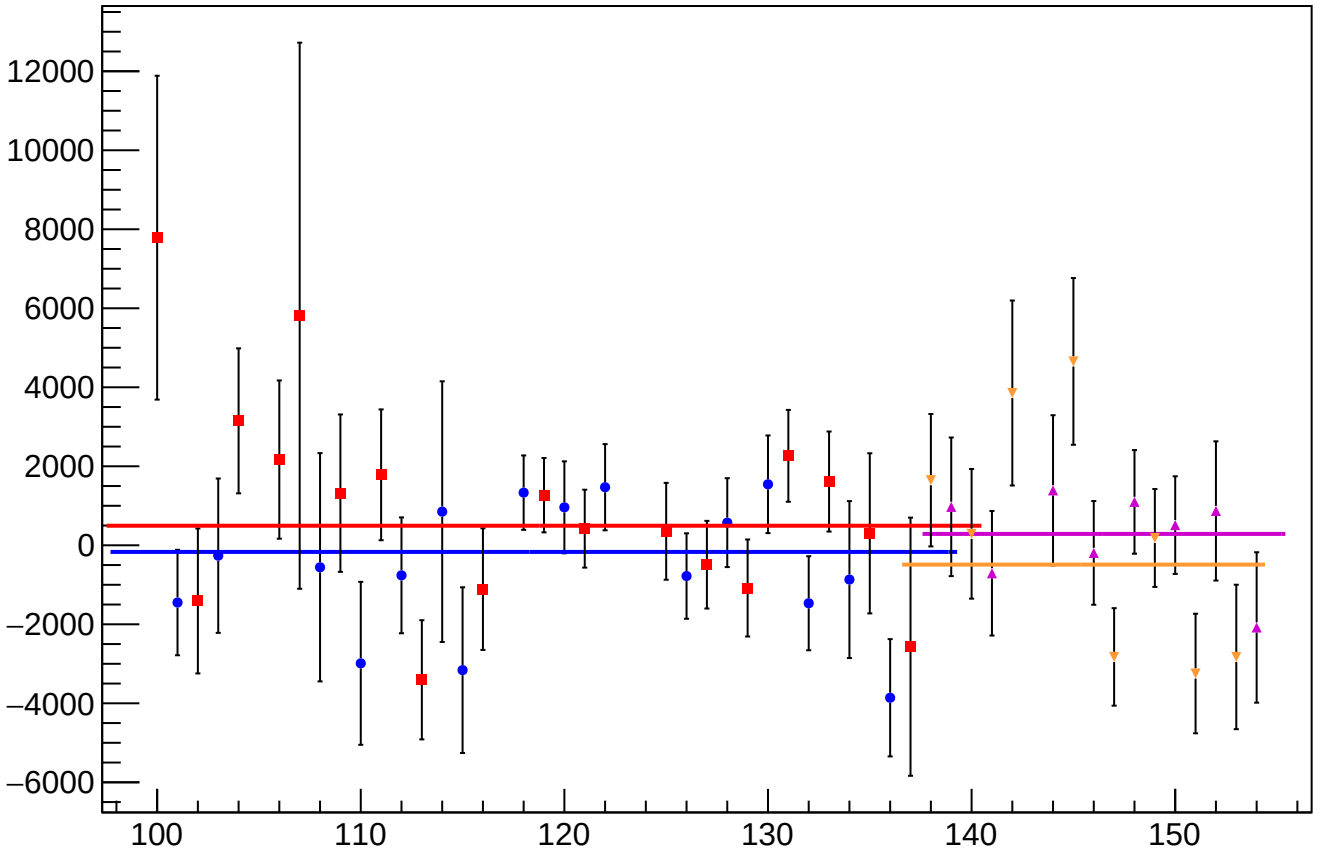
Left: 1110.118+/-0.216 χ^2/NDF: 2209.0/15

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

In: 1105.862+/-0.207 χ^2/NDF:12773.5/23

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

All: 1108.162+/-0.149 χ^2/NDF: 21829.8/49



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: 287.983+/-540.883 χ^2/NDF:3.1/7

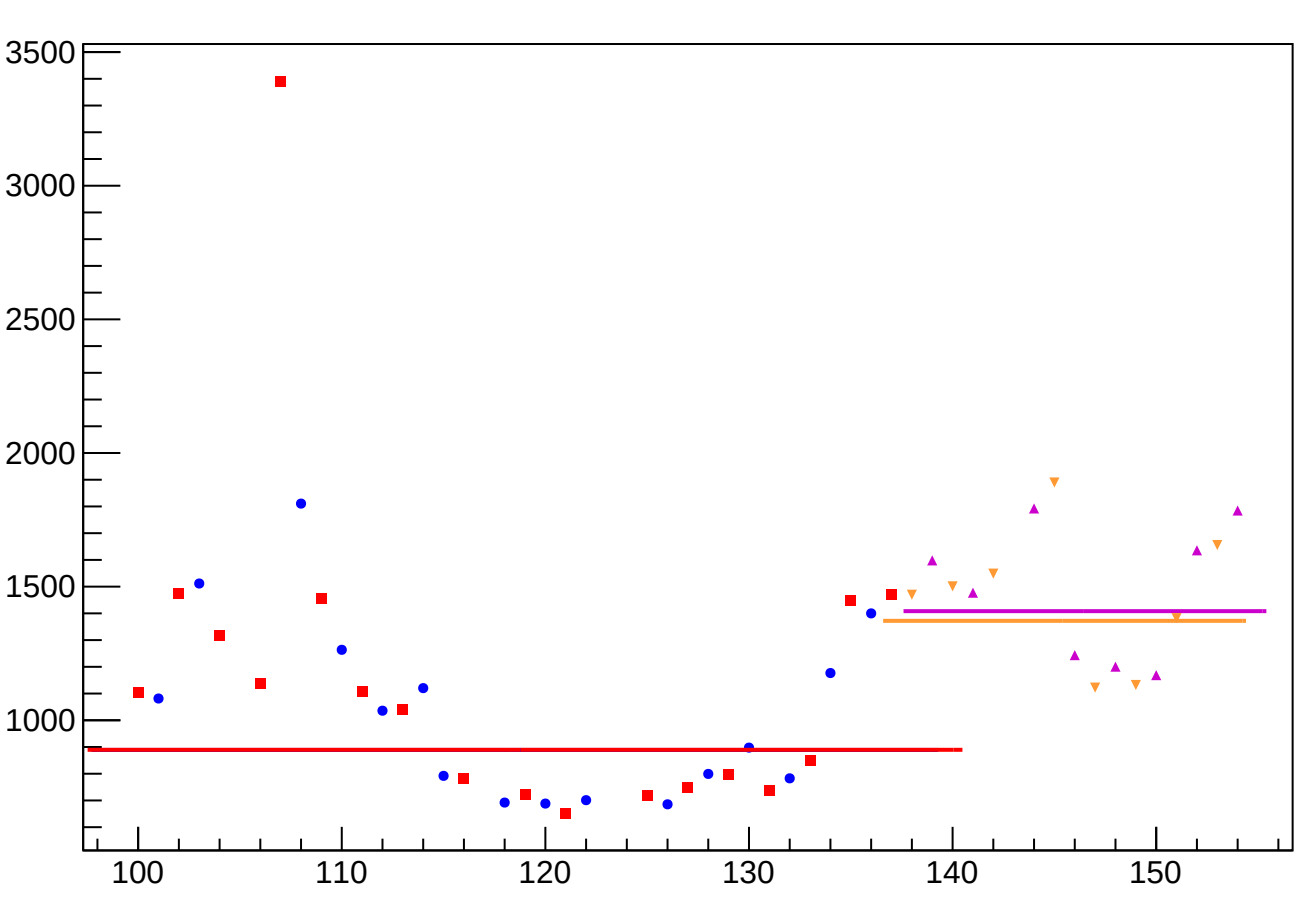
Left: -86.388+/-389.388 χ^2/NDF: 24.2/15

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

In: -35.817+/-291.132 χ^2/NDF:24.6/23

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

All: 93.359+/-206.838 χ^2/NDF: 70.6/49



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: 1408.256+/-0.382 χ^2/NDF:377161.0/7

Left: 1390.806+/-0.275 χ^2/NDF: 737425.9/15

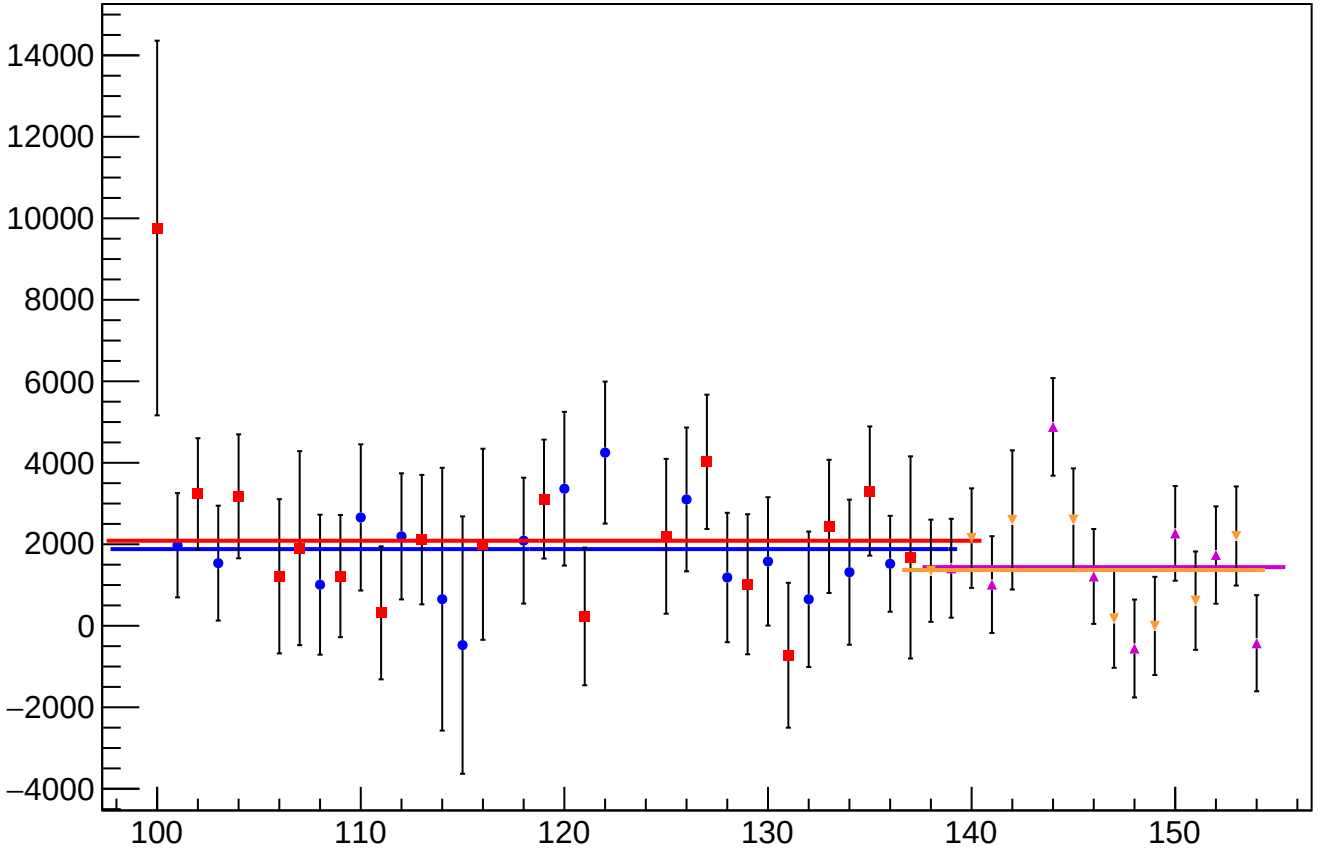
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1039.406+/-0.206 χ^2/NDF:2819388.1/23

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

All: 1030.745+/-0.146 χ^2/NDF: 5598198.0/49

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: 1440.241+/-419.702 χ^2/NDF:14.3/7

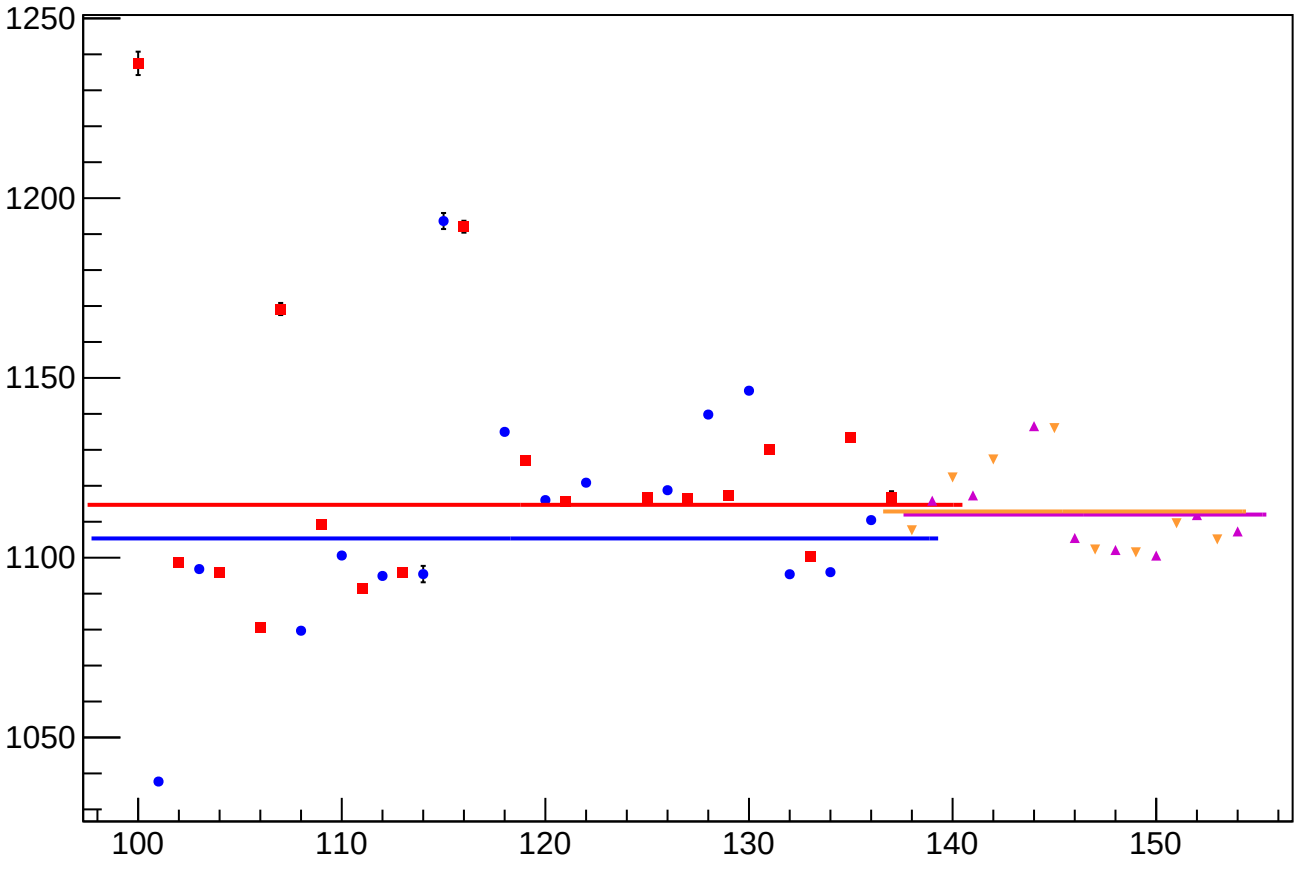
Left: 1407.179+/-305.886 χ^2/NDF: 19.3/15

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

In: 1665.665+/-293.540 χ^2/NDF:20.0/23

Out: 1758.321+/-302.382 χ^2/NDF:18.8/25

All: 1710.619+/-210.621 χ^2/NDF: 38.8/49



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: 1111.997+/-0.297 χ^2/NDF:1325.0/7

Left: 1112.400+/-0.216 χ^2/NDF: 2730.6/15

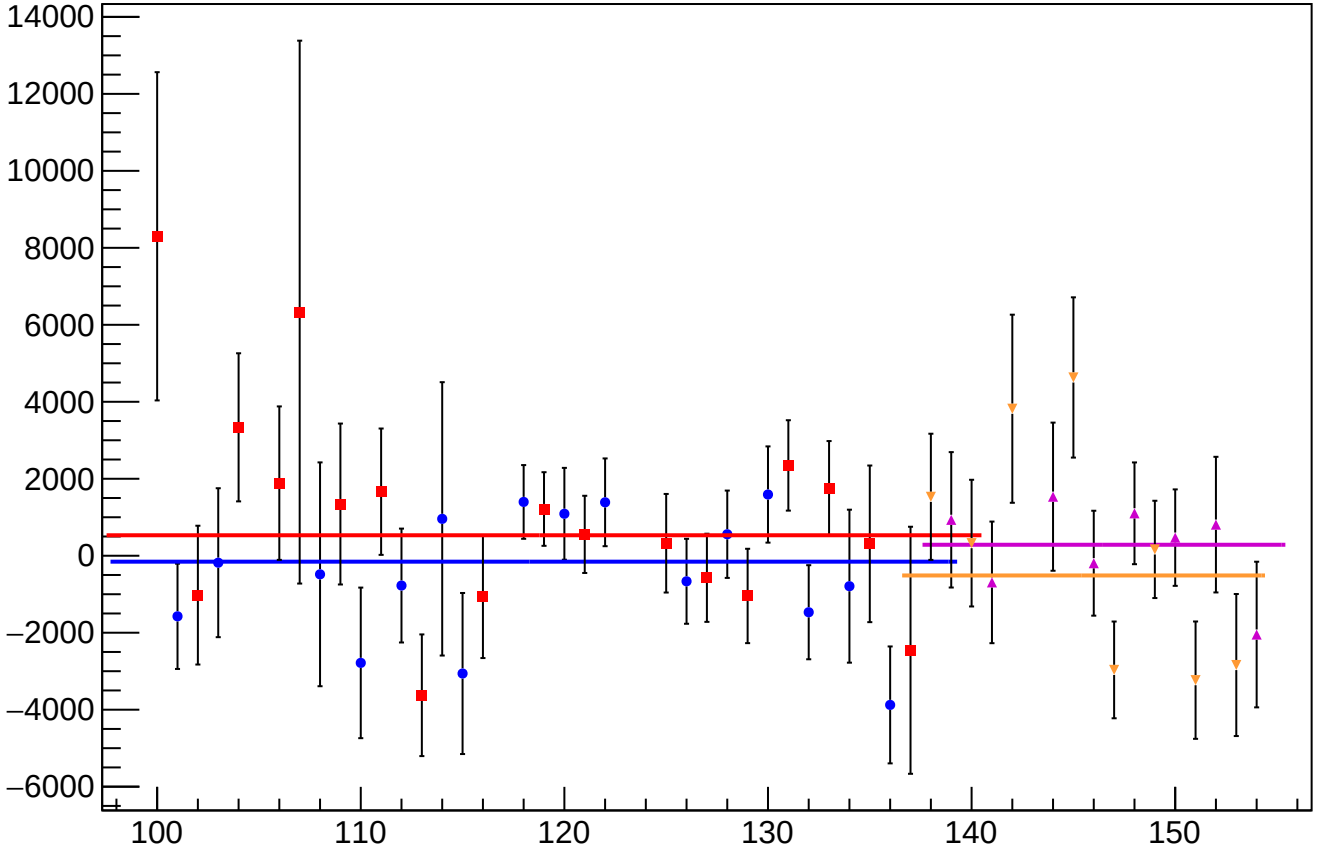
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1108.604+/-0.208 χ^2/NDF:12911.8/23

Out: 1113.858+/-0.214 χ^2/NDF:8750.5/25

All: 1111.153+/-0.149 χ^2/NDF: 21973.1/49

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: 285.222+/-546.927 χ^2/NDF:3.1/7

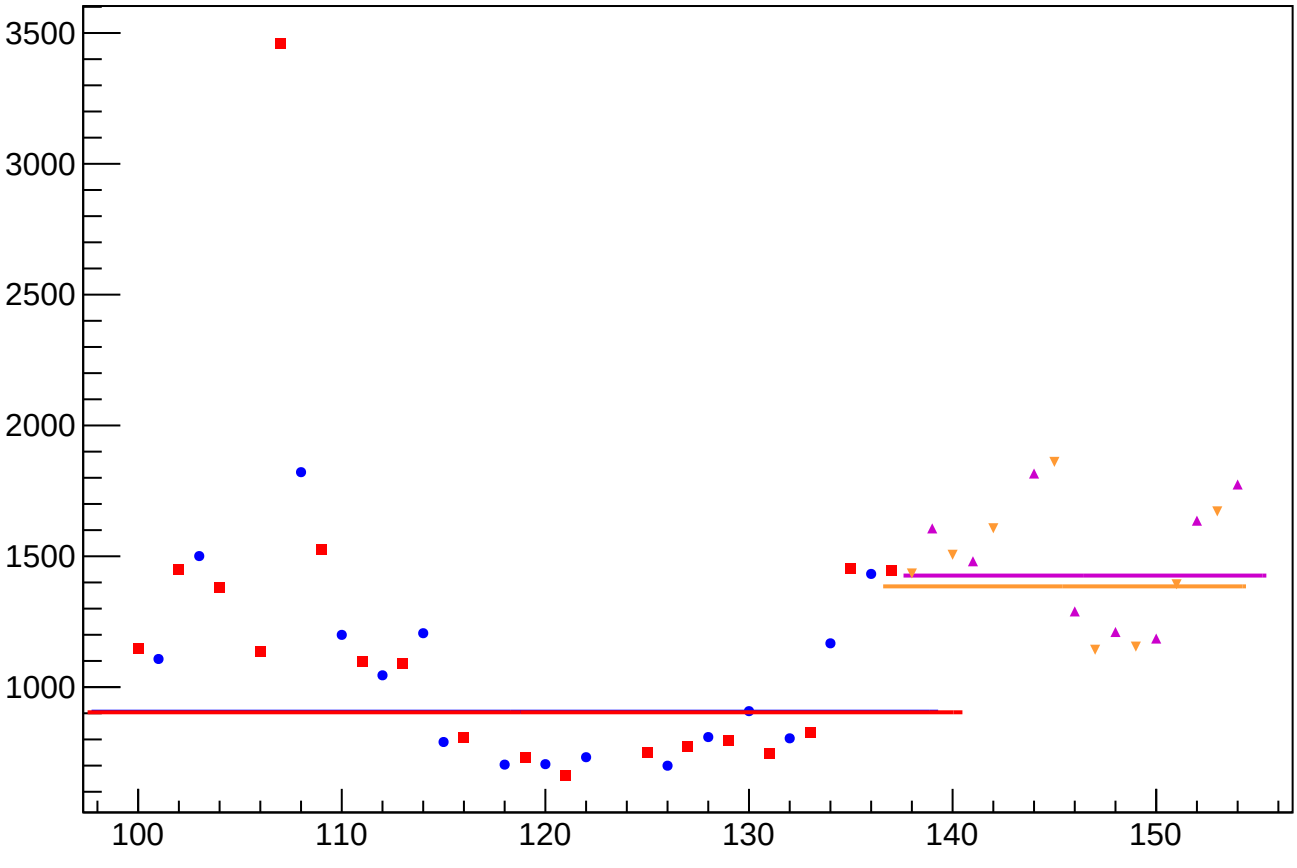
Left: -100.000+/-393.270 χ^2/NDF: 24.0/15

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

In: -25.706+/-295.589 χ^2/NDF:24.0/23

Out: 242.652+/-297.917 χ^2/NDF:45.6/25

All: 107.420+/-209.831 χ^2/NDF: 70.0/49



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: 1426.303+/-0.387 χ^2/NDF:348783.8/7

Left: 1406.359+/-0.278 χ^2/NDF: 676829.5/15

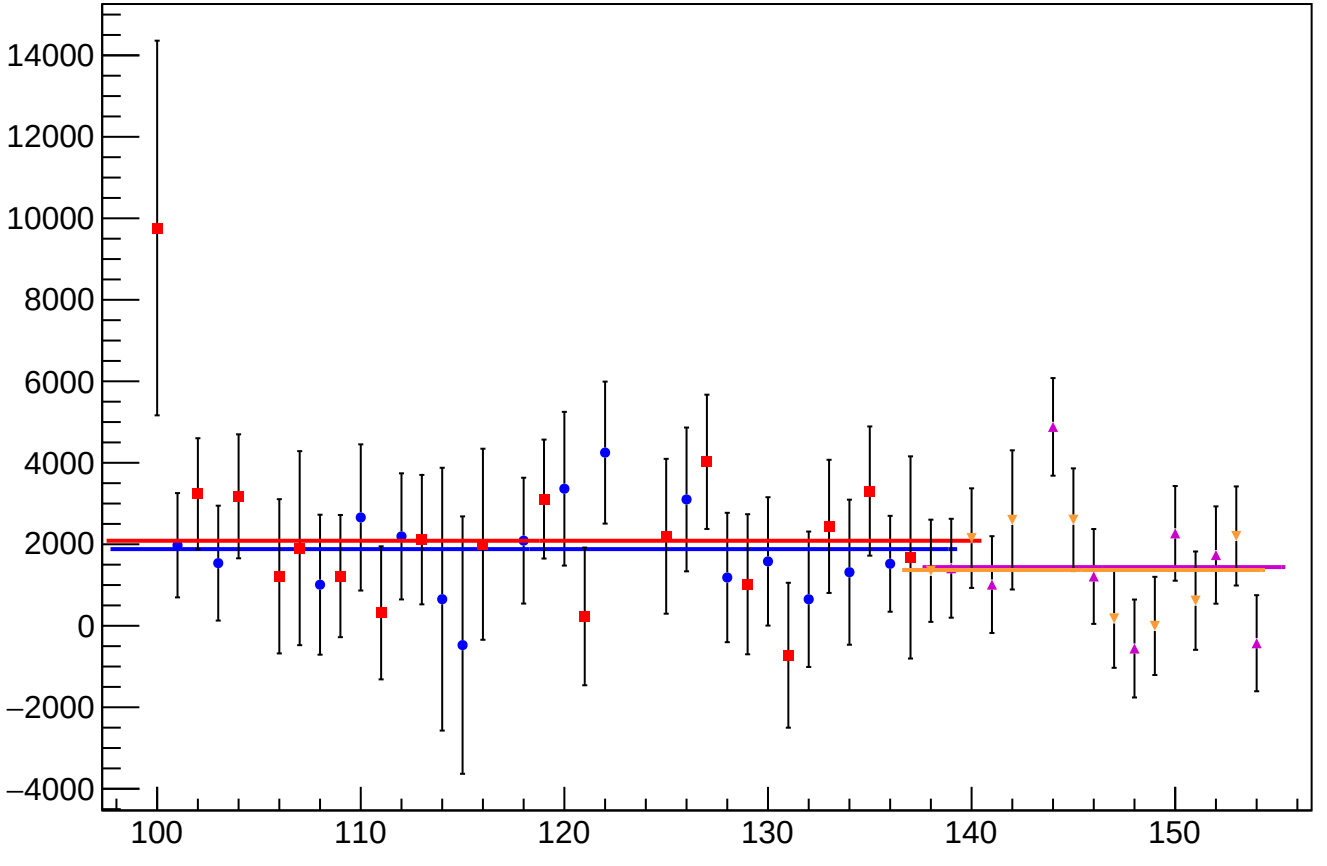
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1058.001+/-0.209 χ^2/NDF:2709374.1/23

Out: 1037.135+/-0.211 χ^2/NDF:2708097.2/25

All: 1047.650+/-0.148 χ^2/NDF: 5422415.6/49

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: 1440.243+/-419.702 χ^2/NDF:14.3/7

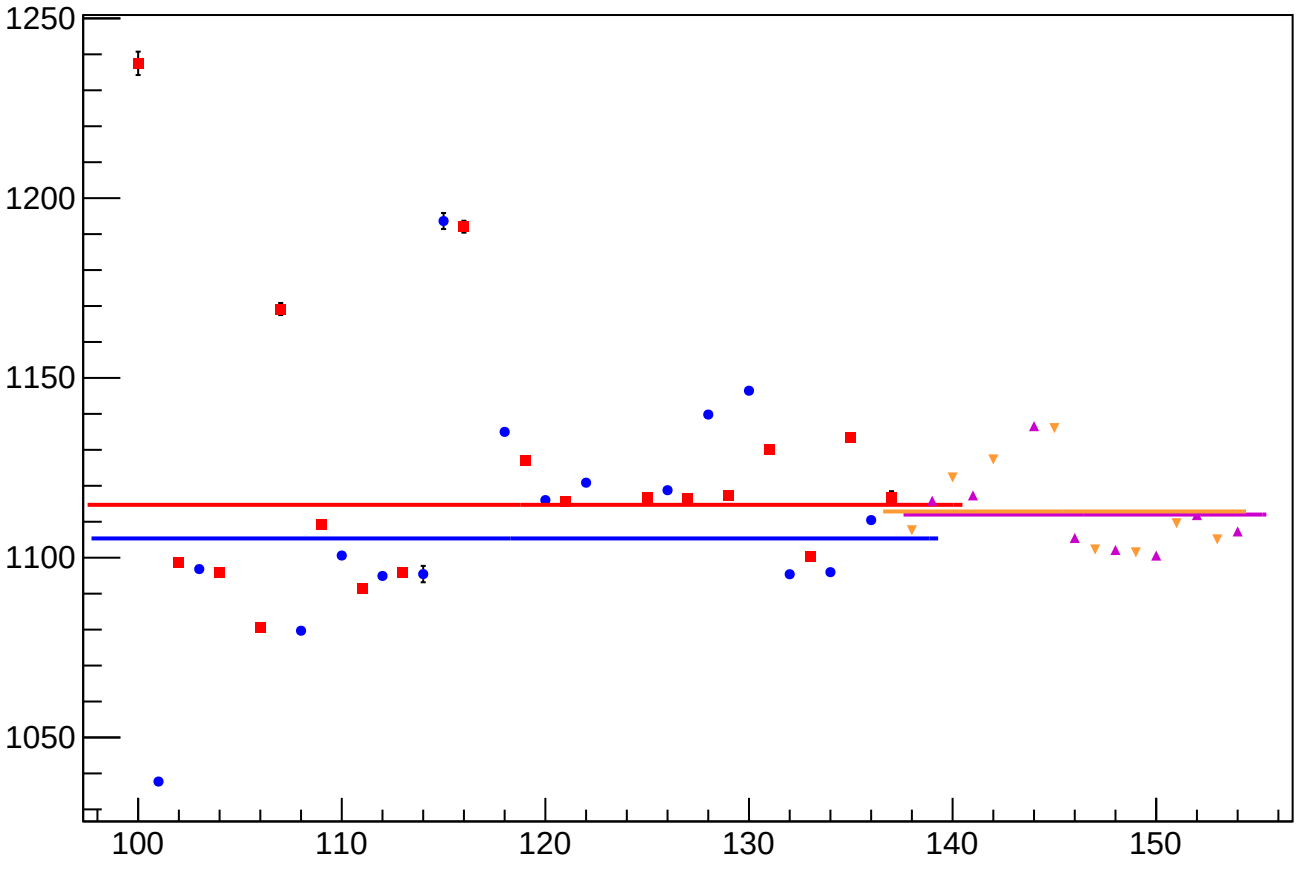
Left: 1407.179+/-305.886 χ^2/NDF: 19.3/15

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

In: 1665.666+/-293.540 χ^2/NDF:20.0/23

Out: 1758.318+/-302.382 χ^2/NDF:18.8/25

All: 1710.617+/-210.621 χ^2/NDF: 38.8/49



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: 1111.997+/-0.297 χ^2/NDF:1325.0/7

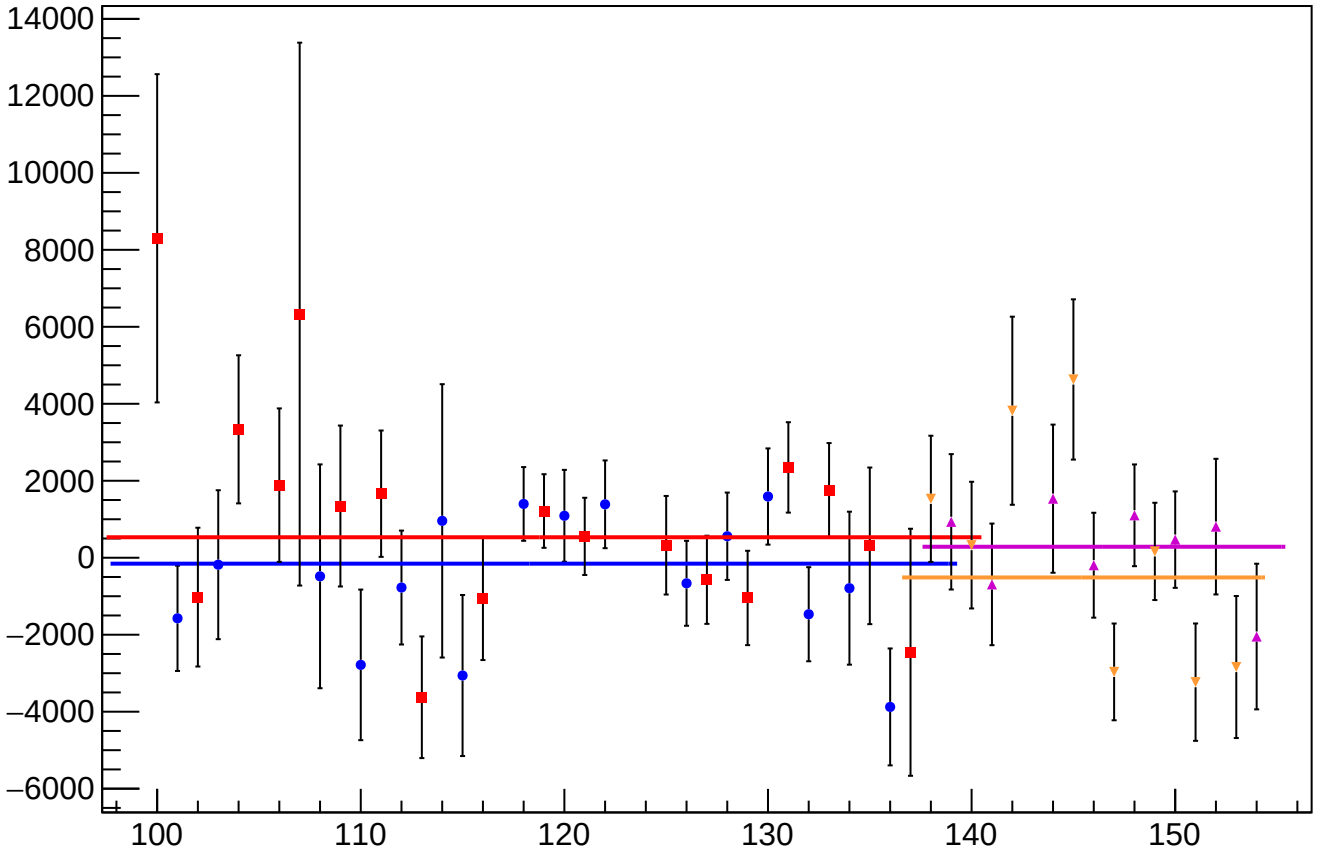
Left: 1112.400+/-0.216 χ^2/NDF: 2730.5/15

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

In: 1108.604+/-0.208 χ^2/NDF:12911.8/23

Out: 1113.858+/-0.214 χ^2/NDF:8750.4/25

All: 1111.153+/-0.149 χ^2/NDF: 21973.1/49



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: 285.224+/-546.928 χ^2/NDF:3.1/7

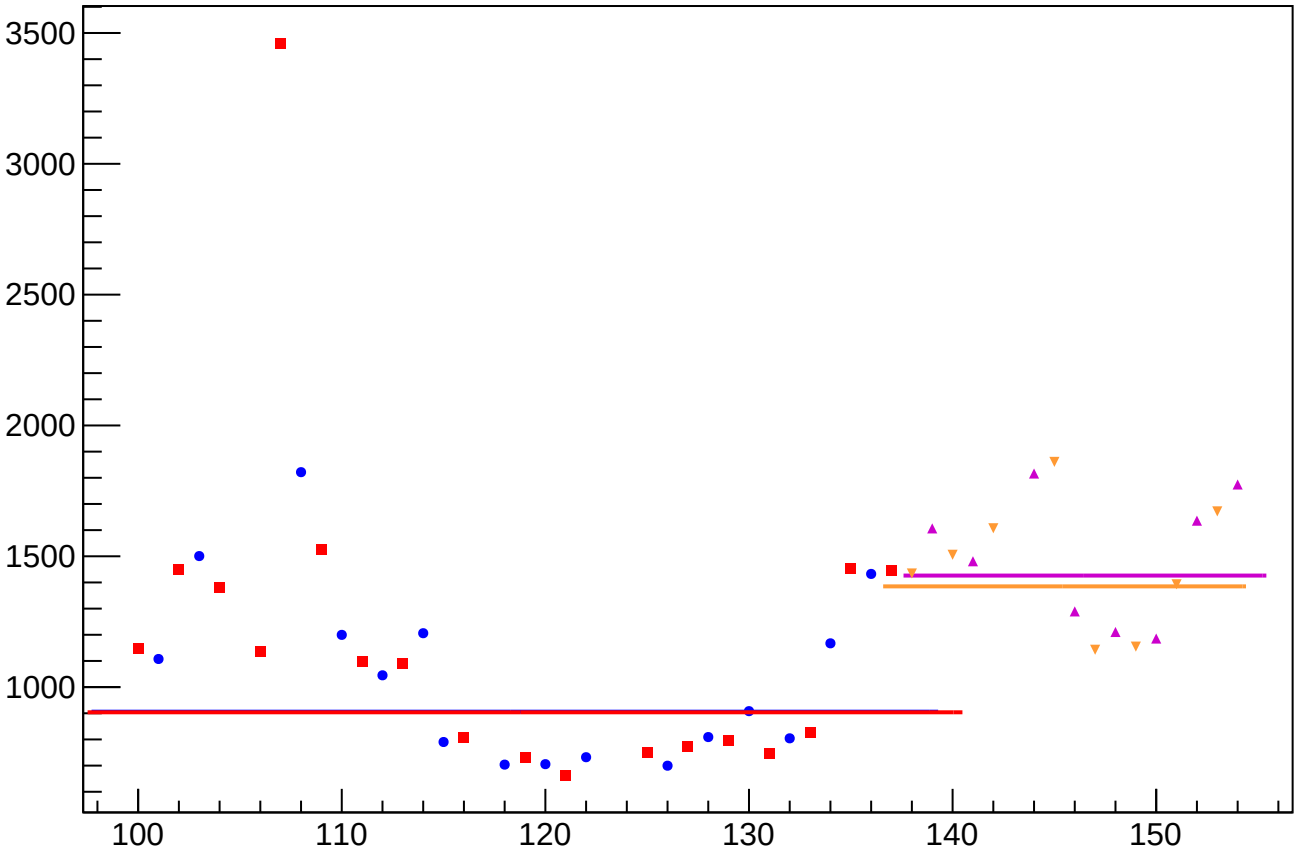
Left: -100.001+/-393.271 χ^2/NDF: 24.0/15

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

In: -25.706+/-295.589 χ^2/NDF:24.0/23

Out: 242.652+/-297.917 χ^2/NDF:45.6/25

All: 107.420+/-209.831 χ^2/NDF: 70.0/49



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: 1426.305+/-0.387 χ^2/NDF:348781.3/7

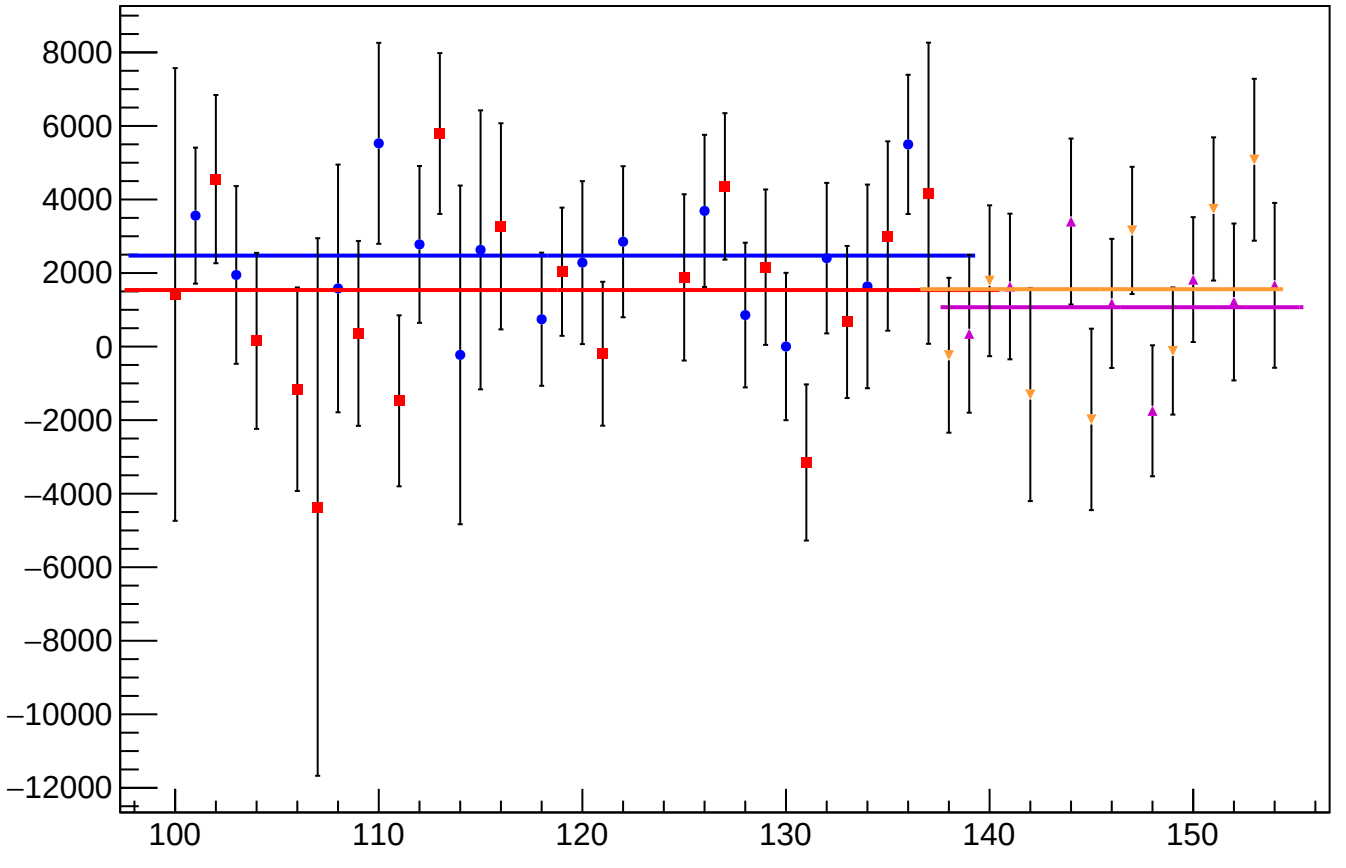
Left: 1406.362+/-0.278 χ^2/NDF: 676825.4/15

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

In: 1058.000+/-0.209 χ^2/NDF:2709395.5/23

Out: 1037.133+/-0.211 χ^2/NDF:2708116.8/25

All: 1047.648+/-0.148 χ^2/NDF: 5422456.7/49



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: 1070.554+/-694.404 χ^2/NDF:4.0/7

Left: 1303.964+/-502.586 χ^2/NDF: 13.7/15

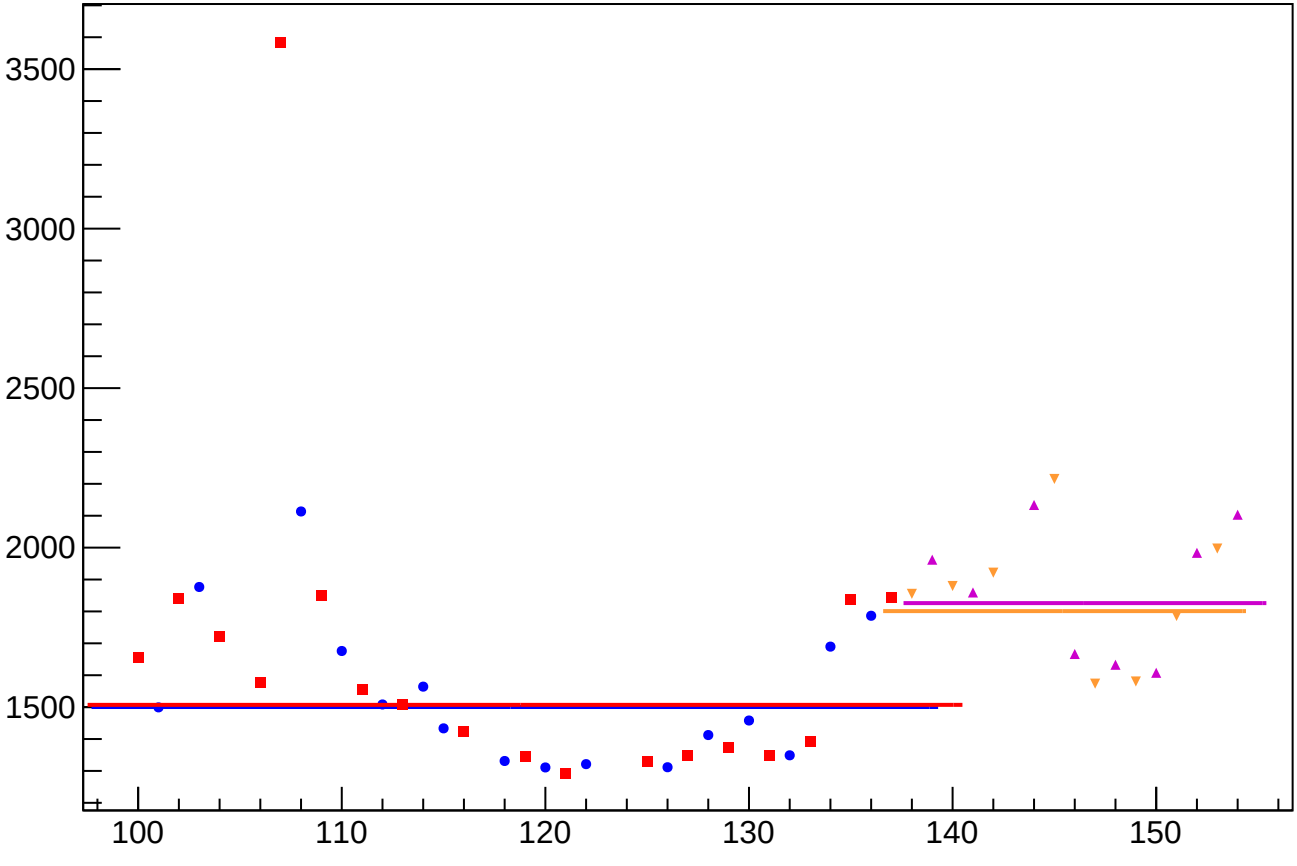
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1917.641+/-437.227 χ^2/NDF:14.7/23

Out: 1546.164+/-445.712 χ^2/NDF:27.9/25

All: 1735.472+/-312.123 χ^2/NDF: 43.0/49

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: 1826.081+/-0.491 χ^2/NDF:160414.9/7

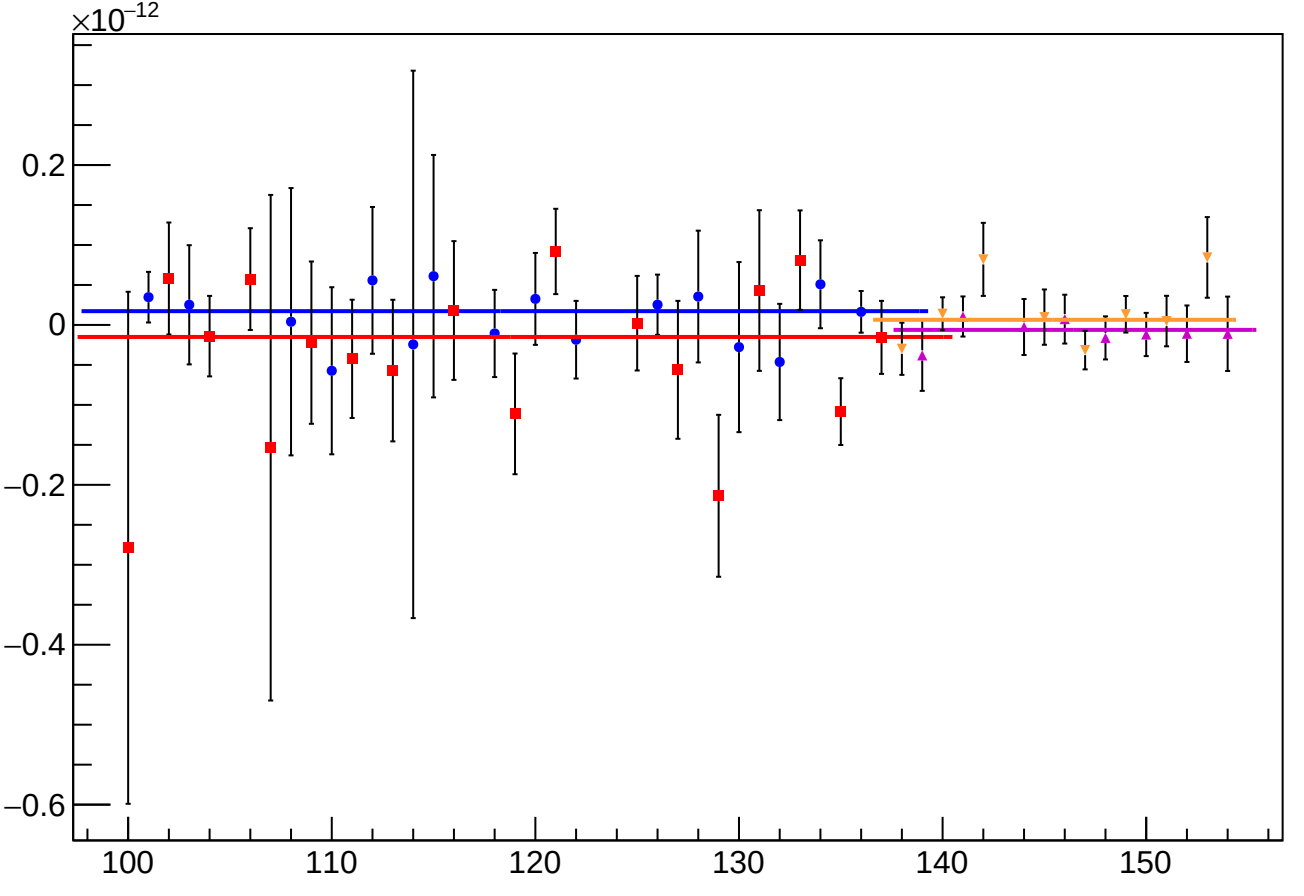
Left: 1814.123+/-0.355 χ^2/NDF: 308883.0/15

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

In: 1629.503+/-0.309 χ^2/NDF:684767.9/23

Out: 1617.149+/-0.315 χ^2/NDF:752110.7/25

All: 1623.445+/-0.221 χ^2/NDF: 1437661.5/49



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:1.4/7

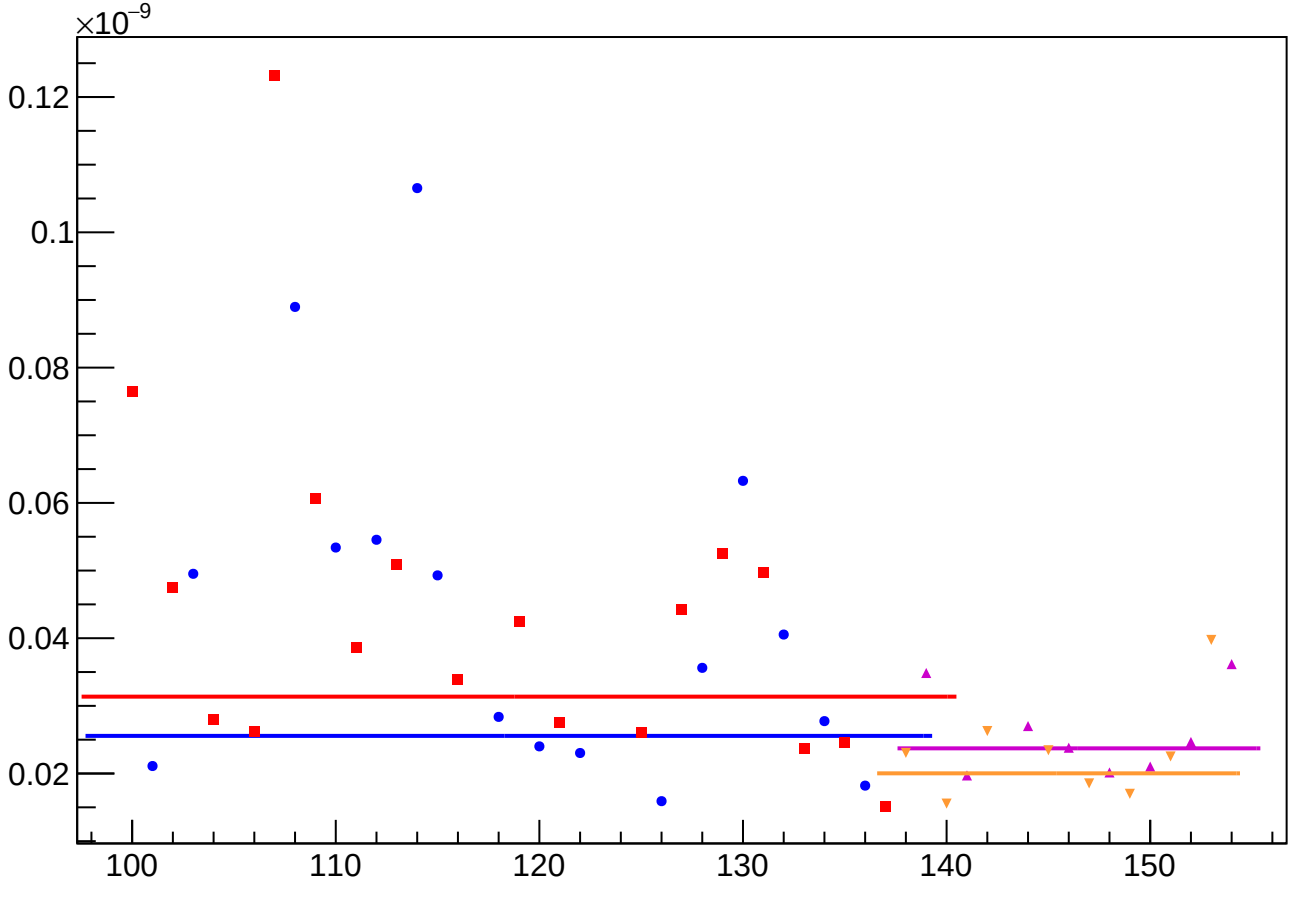
Left: 0.000+/-0.000 χ^2/NDF: 11.1/15

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:6.6/23

Out: 0.000+/-0.000 χ^2/NDF:31.6/25

All: 0.000+/-0.000 χ^2/NDF: 38.2/49



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:394658.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1043761.1/15

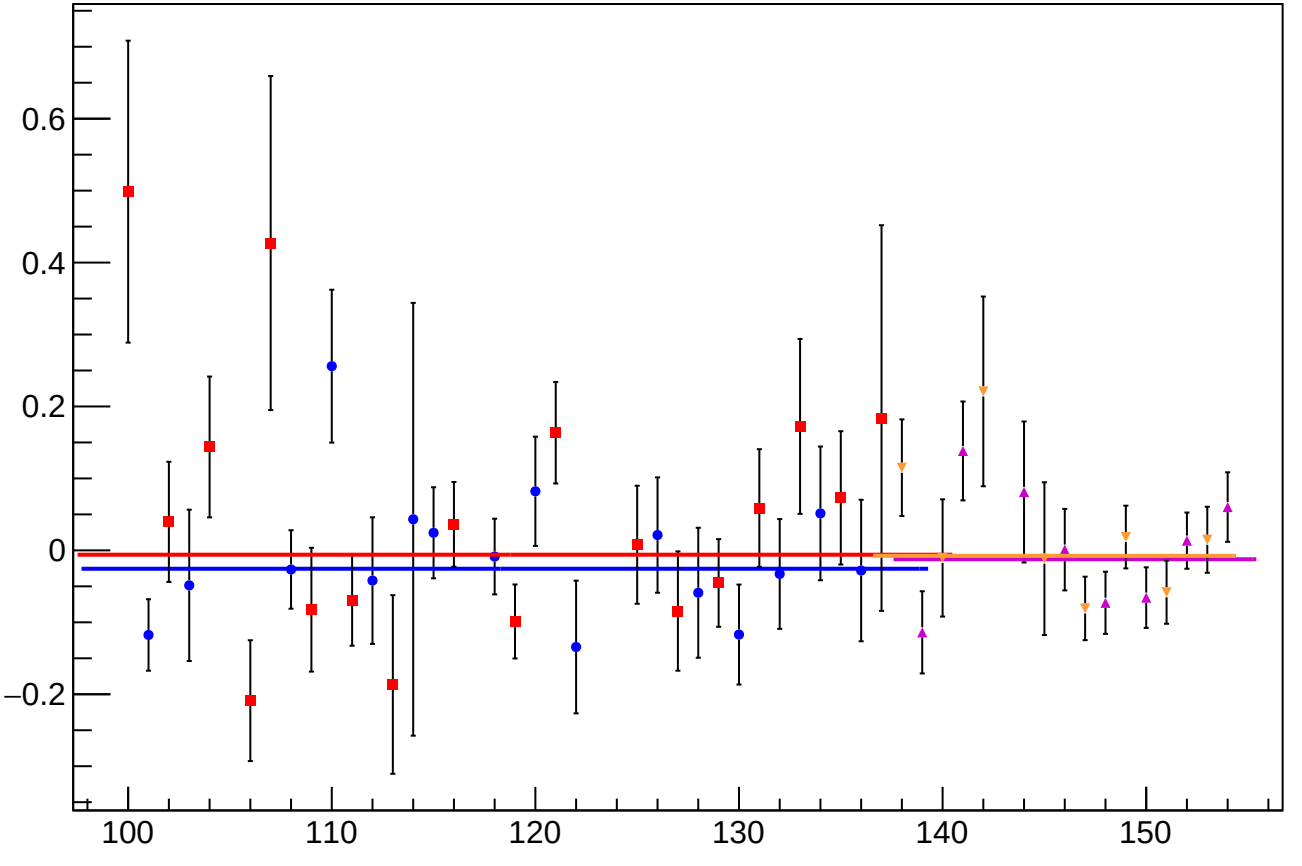
Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:2124524.2/23

Out: 0.000+/-0.000 χ^2/NDF:2466712.7/25

All: 0.000+/-0.000 χ^2/NDF: 4610750.4/49

asym_usl_dit_vs_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: -0.012+/-0.018 χ^2/NDF:15.2/7

Left: -0.010+/-0.013 χ^2/NDF: 26.2/15

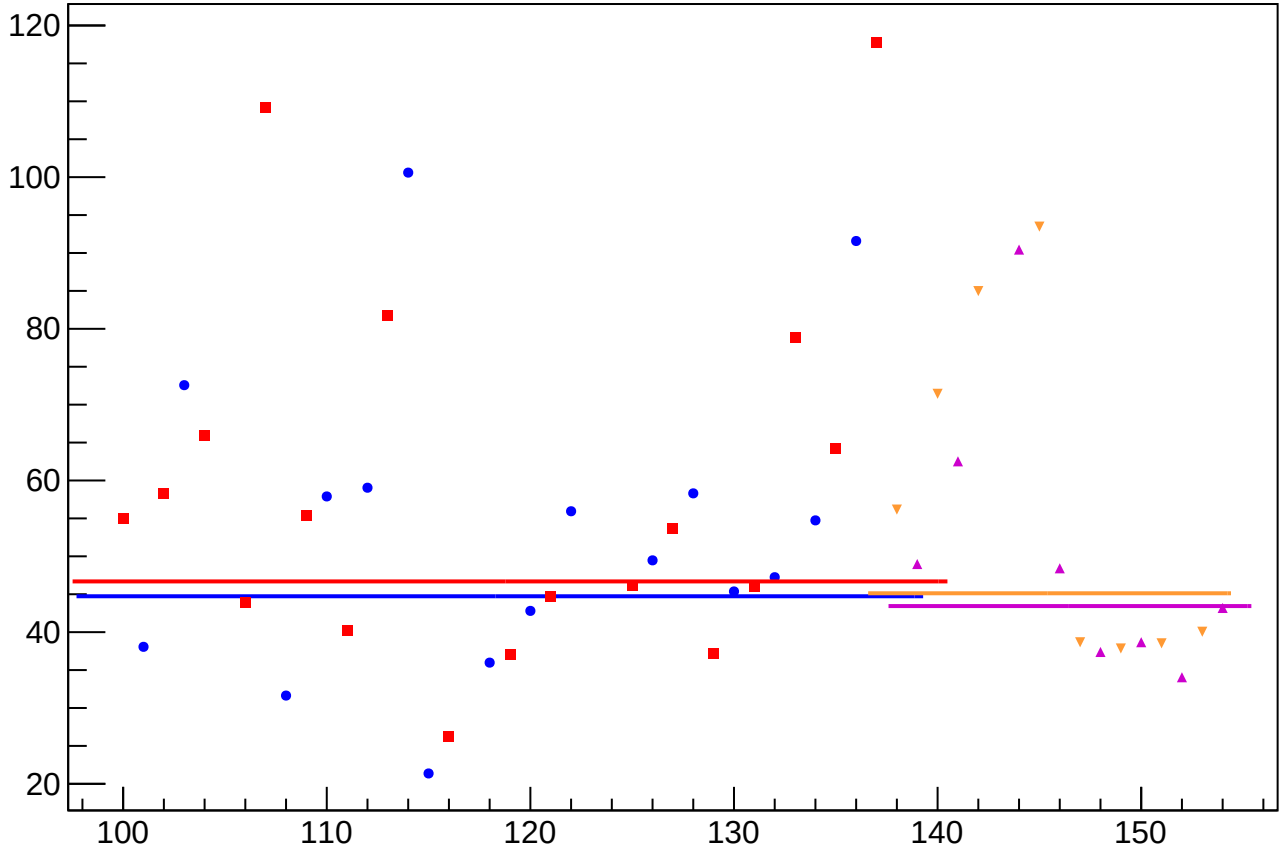
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.019+/-0.013 χ^2/NDF:33.1/23

Out: -0.007+/-0.014 χ^2/NDF:47.6/25

All: -0.013+/-0.009 χ^2/NDF: 81.0/49

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: 43.440+/-0.013 χ^2/NDF:829237.6/7

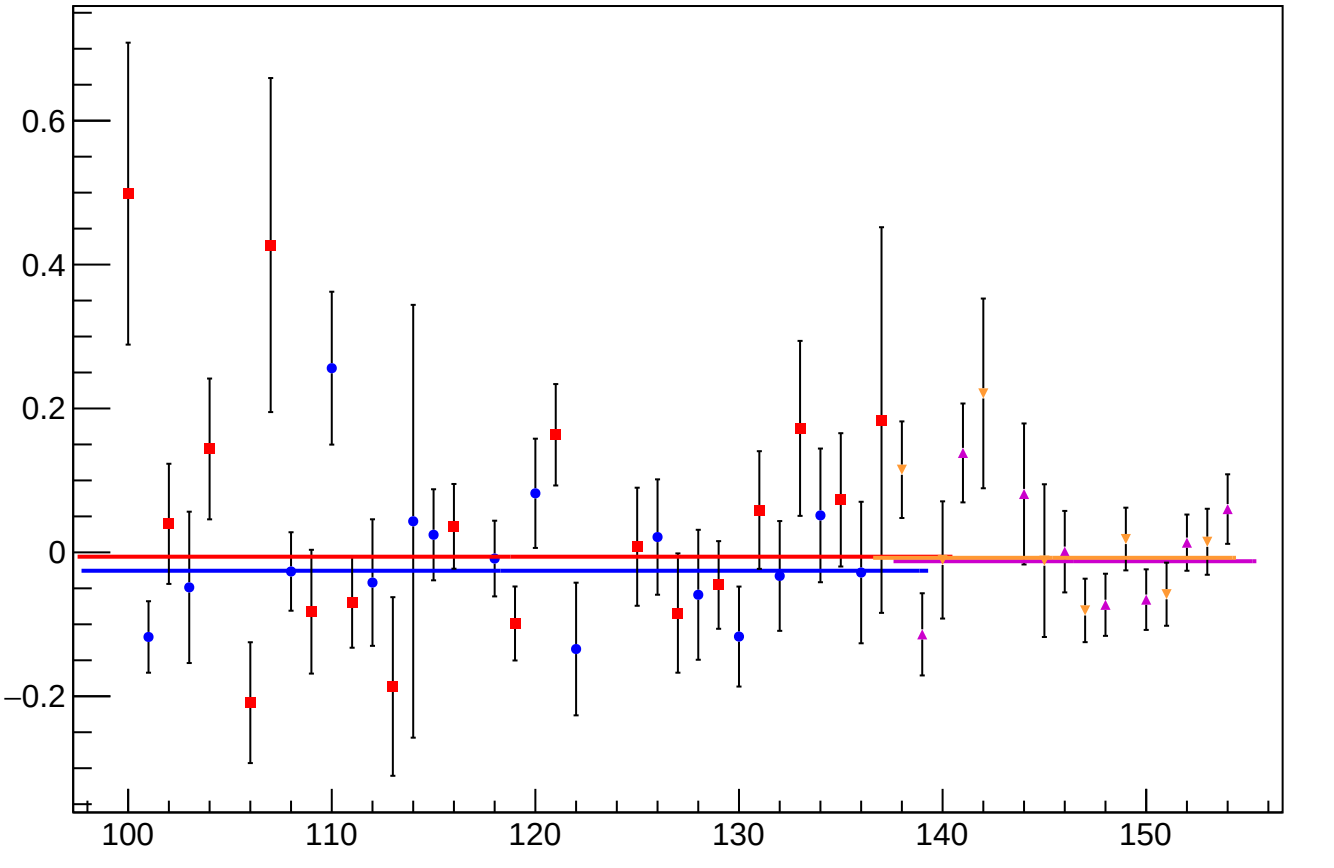
Left: 44.200+/-0.009 χ^2/NDF: 1865755.6/15

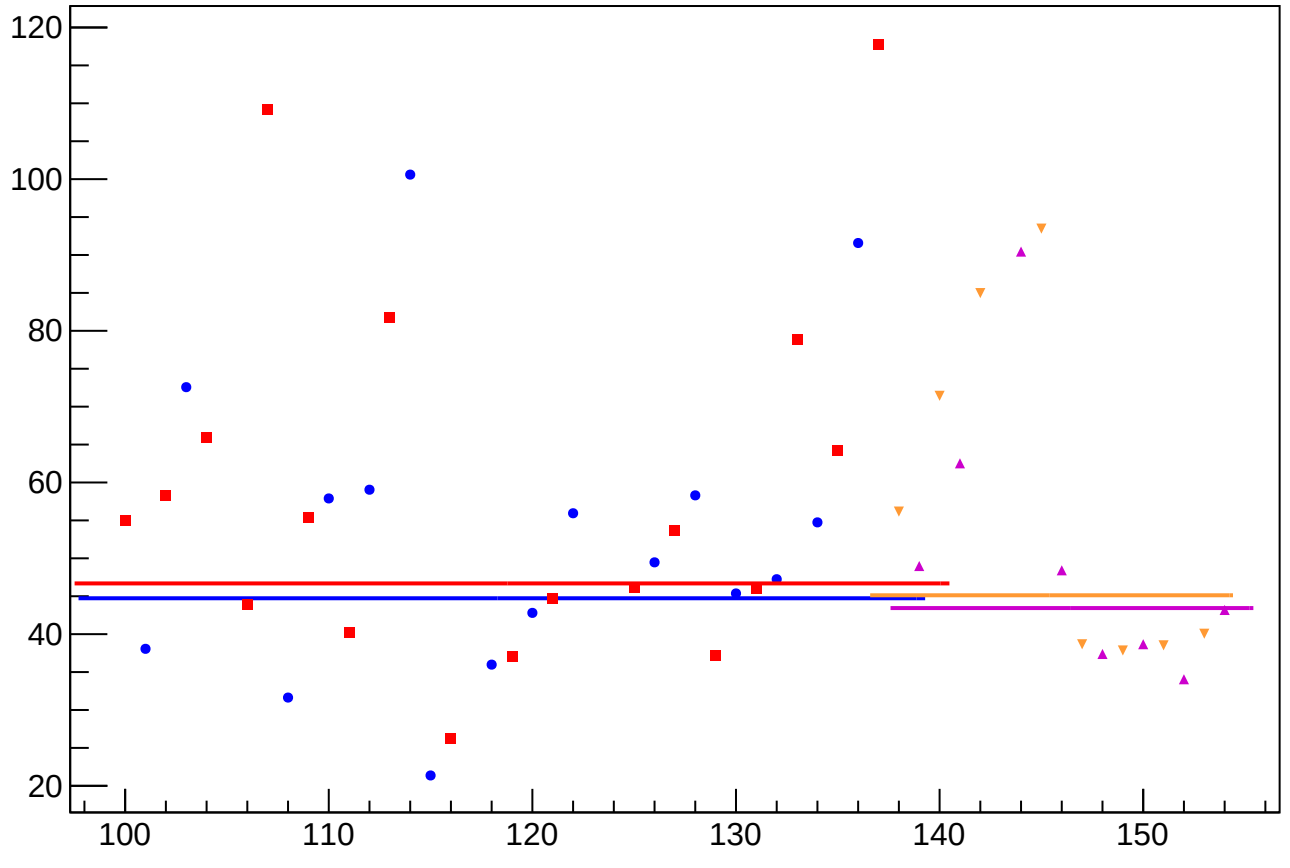
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.056+/-0.009 χ^2/NDF:2168748.8/23

Out: 45.924+/-0.010 χ^2/NDF:2230367.0/25

All: 44.928+/-0.007 χ^2/NDF: 4418519.3/49


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: -0.012+/-0.018 χ²/NDF:15.2/7
Left: -0.010+/-0.013 χ²/NDF: 26.2/15
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.019+/-0.013 χ²/NDF:33.1/23
Out: -0.007+/-0.014 χ²/NDF:47.6/25
All: -0.013+/-0.009 χ²/NDF: 81.0/49



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: 43.440+/-0.013 χ^2/NDF:829237.6/7

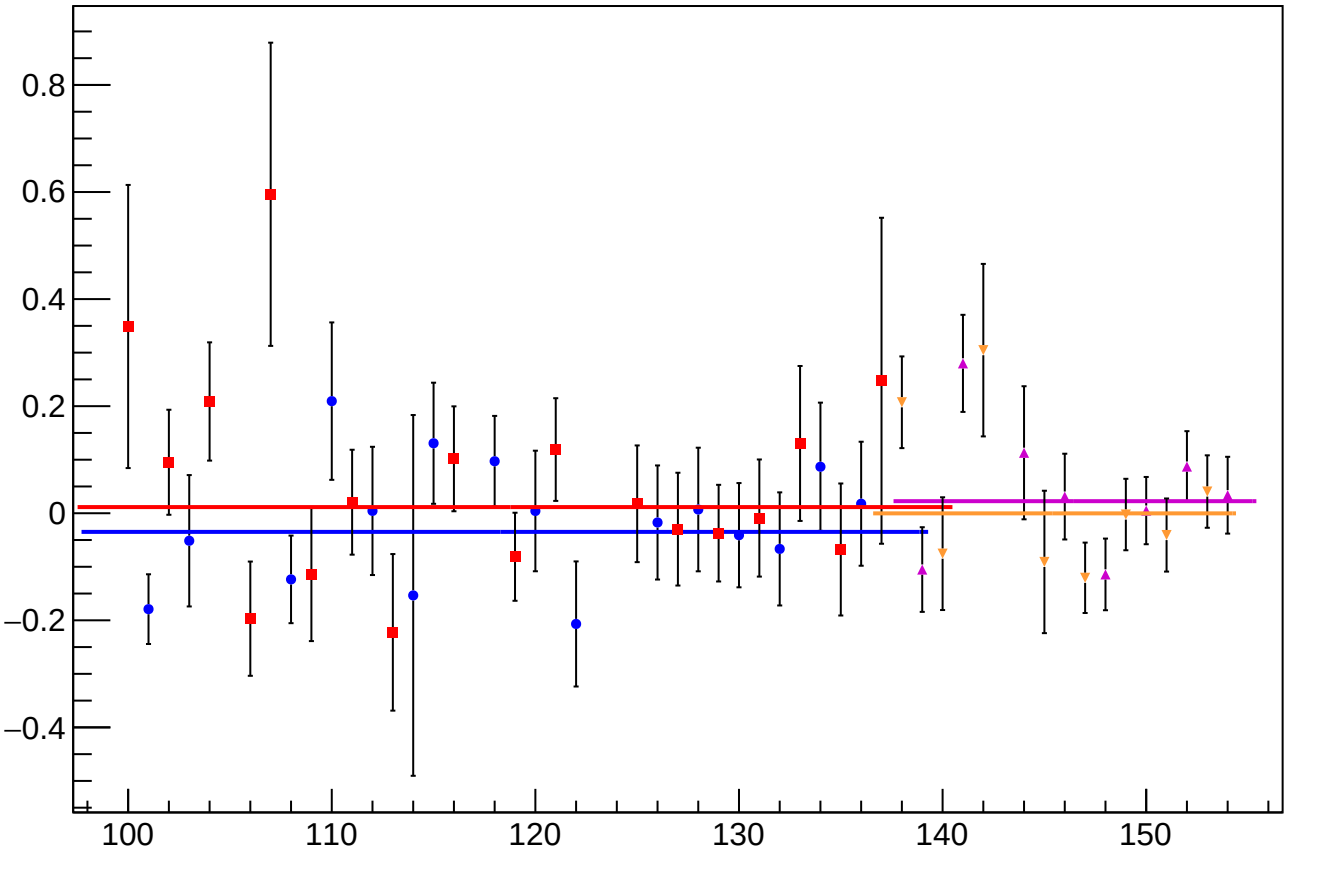
Left: 44.200+/-0.009 χ^2/NDF: 1865755.6/15

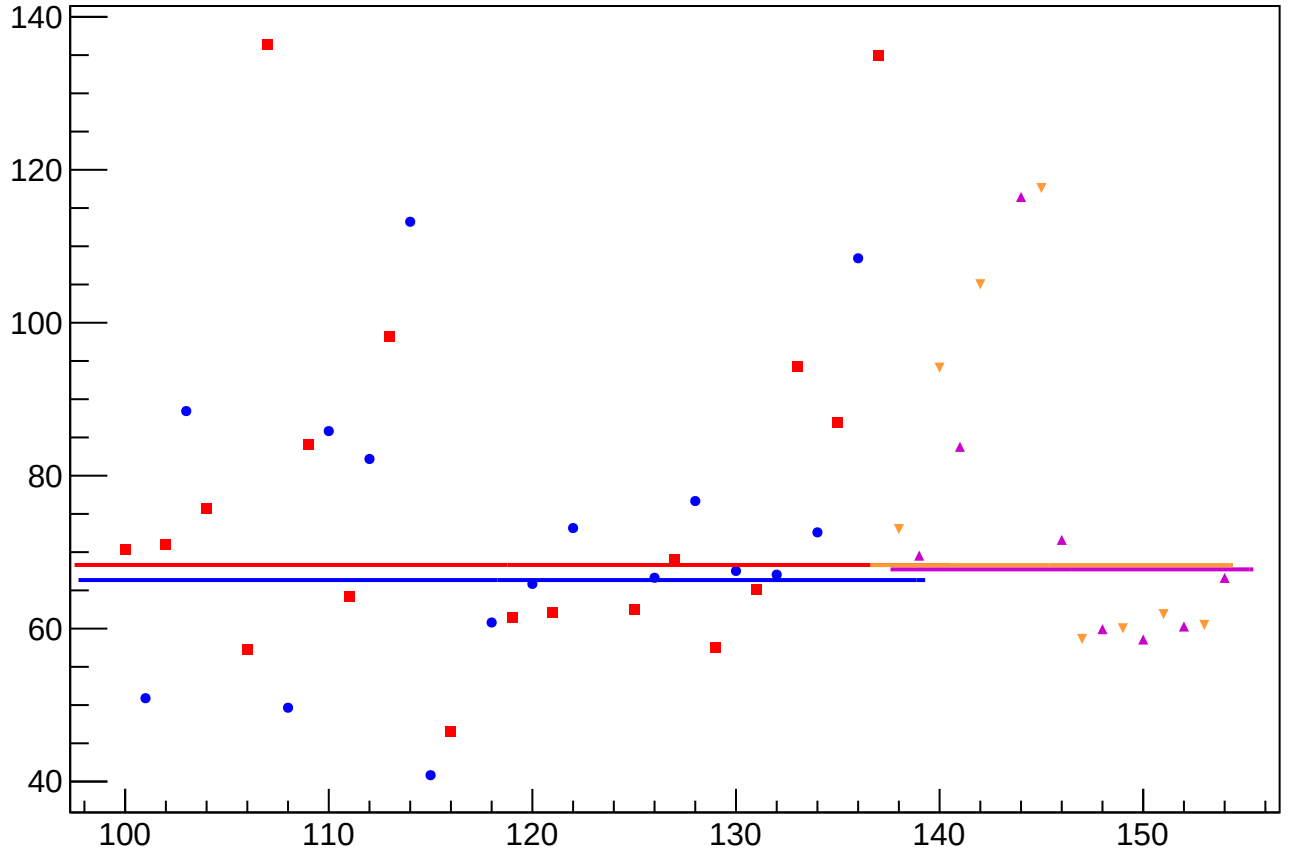
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.056+/-0.009 χ^2/NDF:2168748.8/23

Out: 45.924+/-0.010 χ^2/NDF:2230367.0/25

All: 44.928+/-0.007 χ^2/NDF: 4418519.3/49


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: 0.023+/-0.027 χ²/NDF:16.4/7
Left: 0.012+/-0.020 χ²/NDF: 31.3/15
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.007+/-0.019 χ²/NDF:36.2/23
Out: 0.006+/-0.020 χ²/NDF:37.3/25
All: -0.001+/-0.014 χ²/NDF: 73.8/49



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: 67.746+/-0.019 χ^2/NDF:471206.7/7

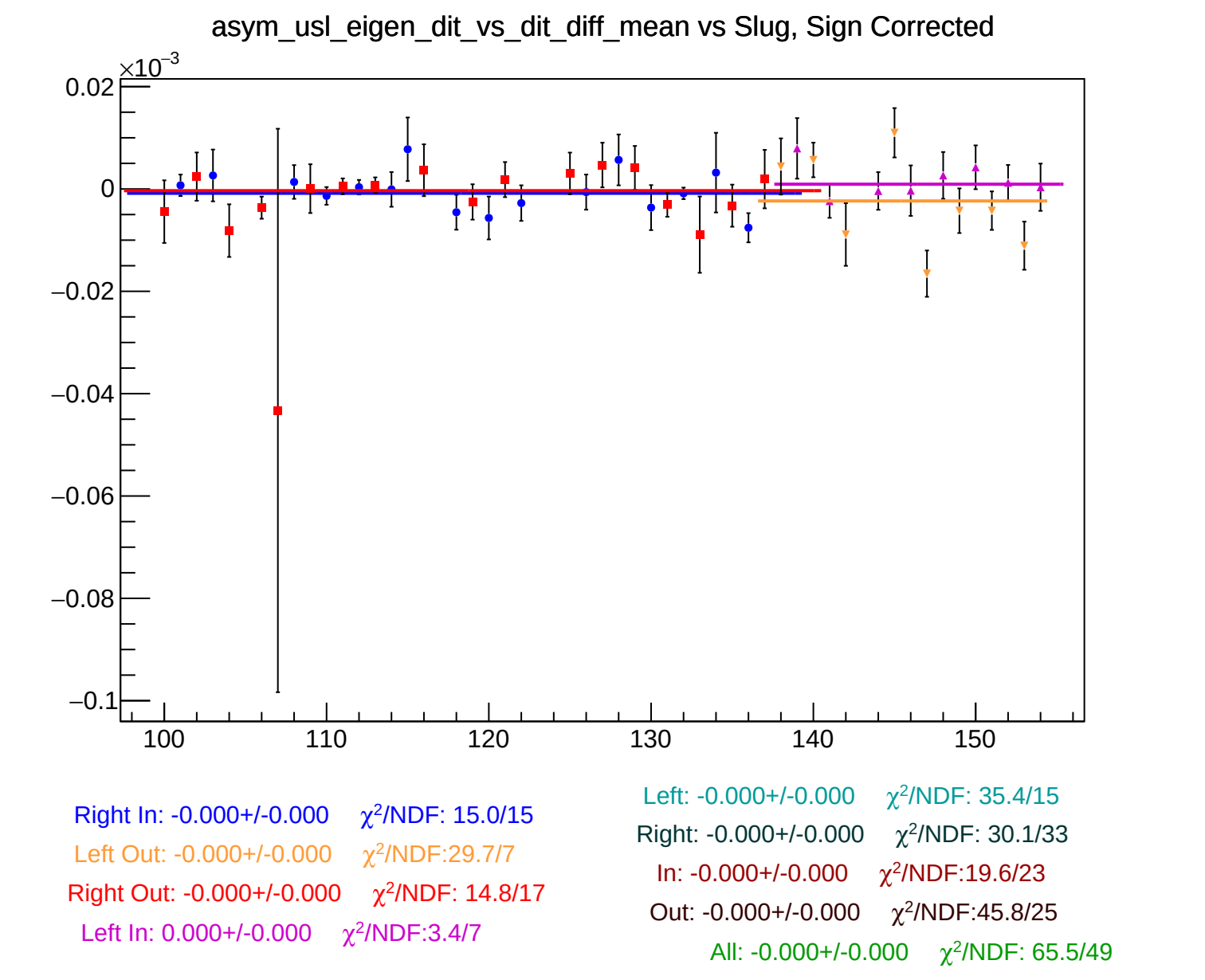
Left: 68.005+/-0.014 χ^2/NDF: 1094967.0/15

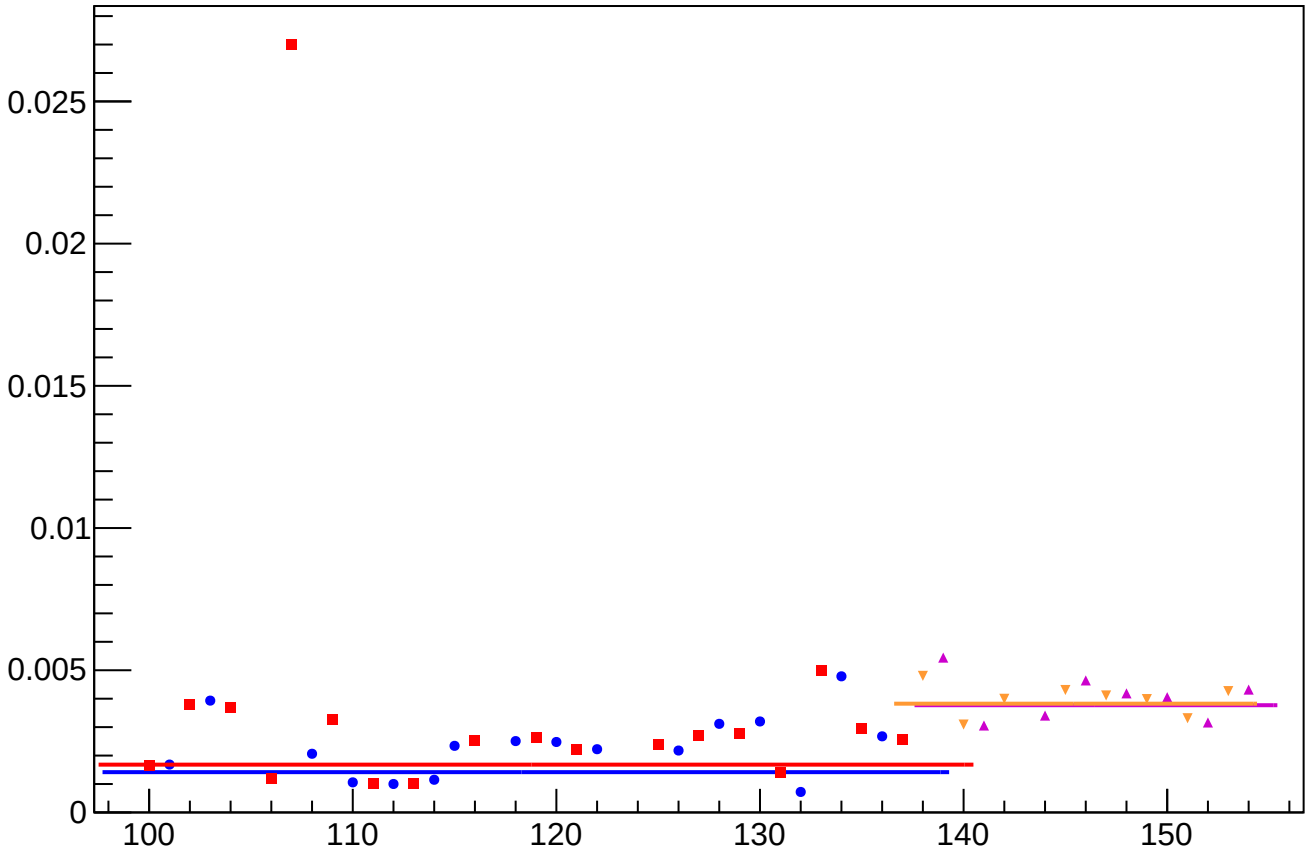
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.036+/-0.013 χ^2/NDF:1246643.9/23

Out: 68.314+/-0.014 χ^2/NDF:1253024.2/25

All: 67.645+/-0.010 χ^2/NDF: 2504106.7/49


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:3.4/7
Left: -0.000+/-0.000 χ²/NDF: 35.4/15
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:19.6/23
Out: -0.000+/-0.000 χ²/NDF:45.8/25
All: -0.000+/-0.000 χ²/NDF: 65.5/49



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:452746.3/7

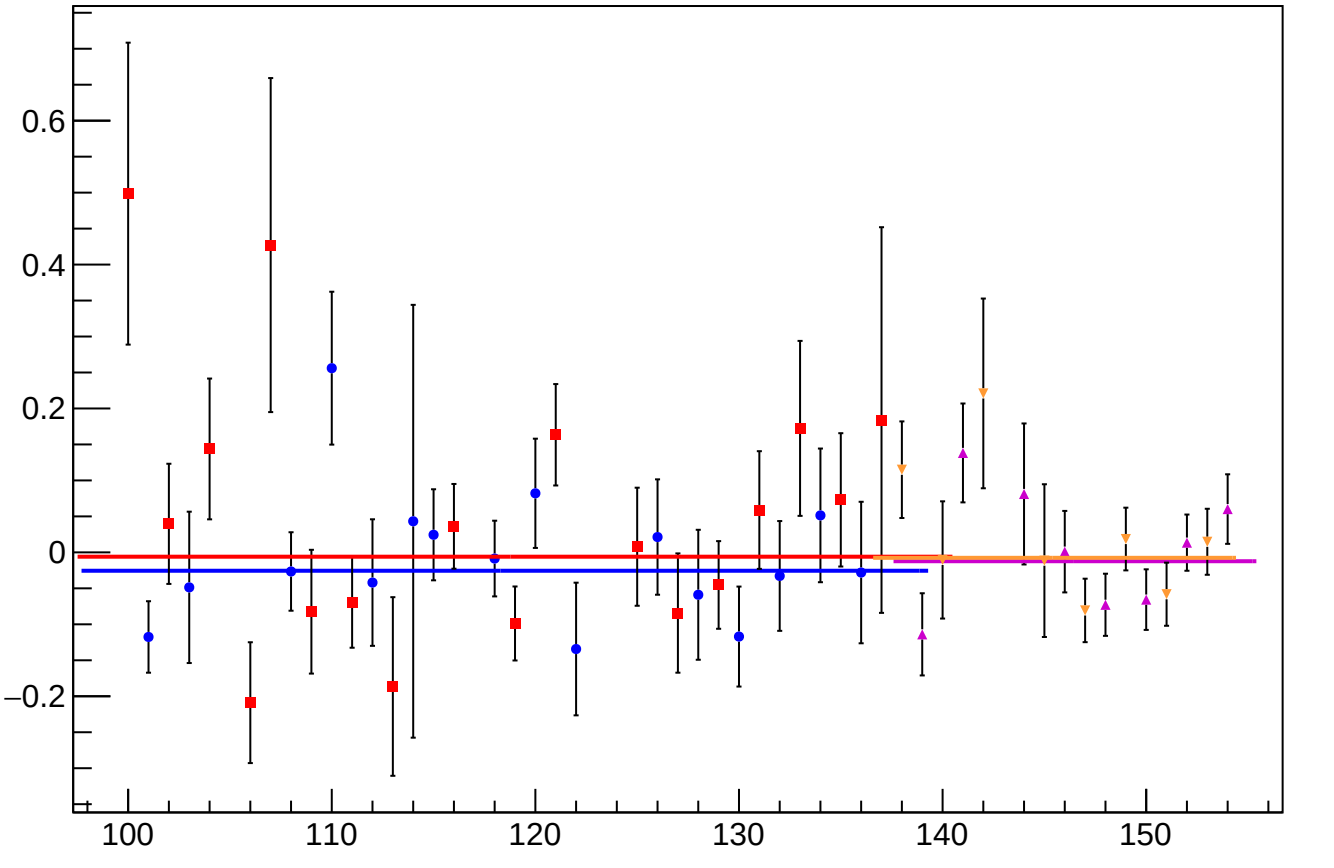
Left: 0.004+/-0.000 χ^2/NDF: 698629.4/15

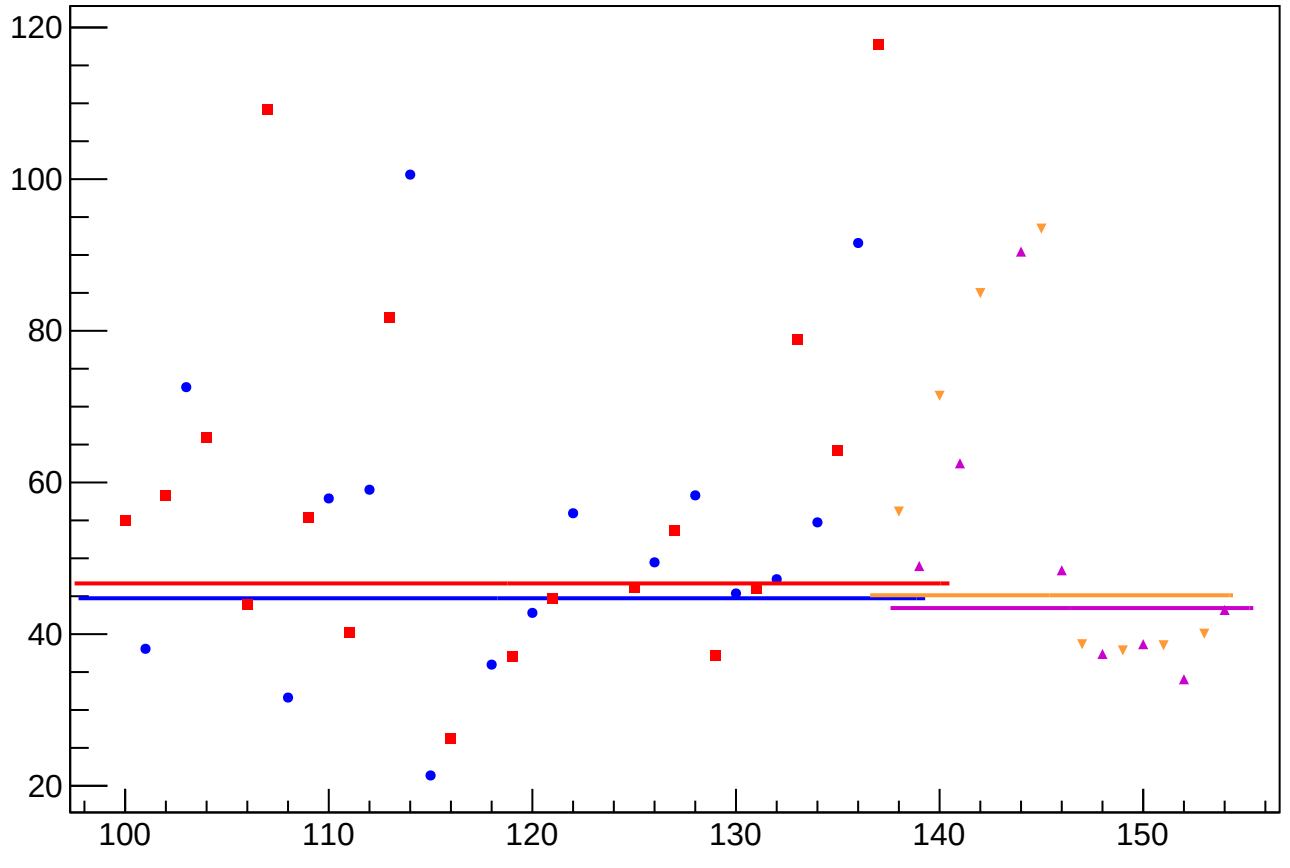
Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:8420568.9/23

Out: 0.002+/-0.000 χ^2/NDF:6757137.0/25

All: 0.002+/-0.000 χ^2/NDF: 15393506.2/49


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: -0.012+/-0.018 χ²/NDF:15.2/7
Left: -0.010+/-0.013 χ²/NDF: 26.2/15
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.019+/-0.013 χ²/NDF:33.1/23
Out: -0.007+/-0.014 χ²/NDF:47.6/25
All: -0.013+/-0.009 χ²/NDF: 81.0/49



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: 43.440+/-0.013 χ^2/NDF:829216.5/7

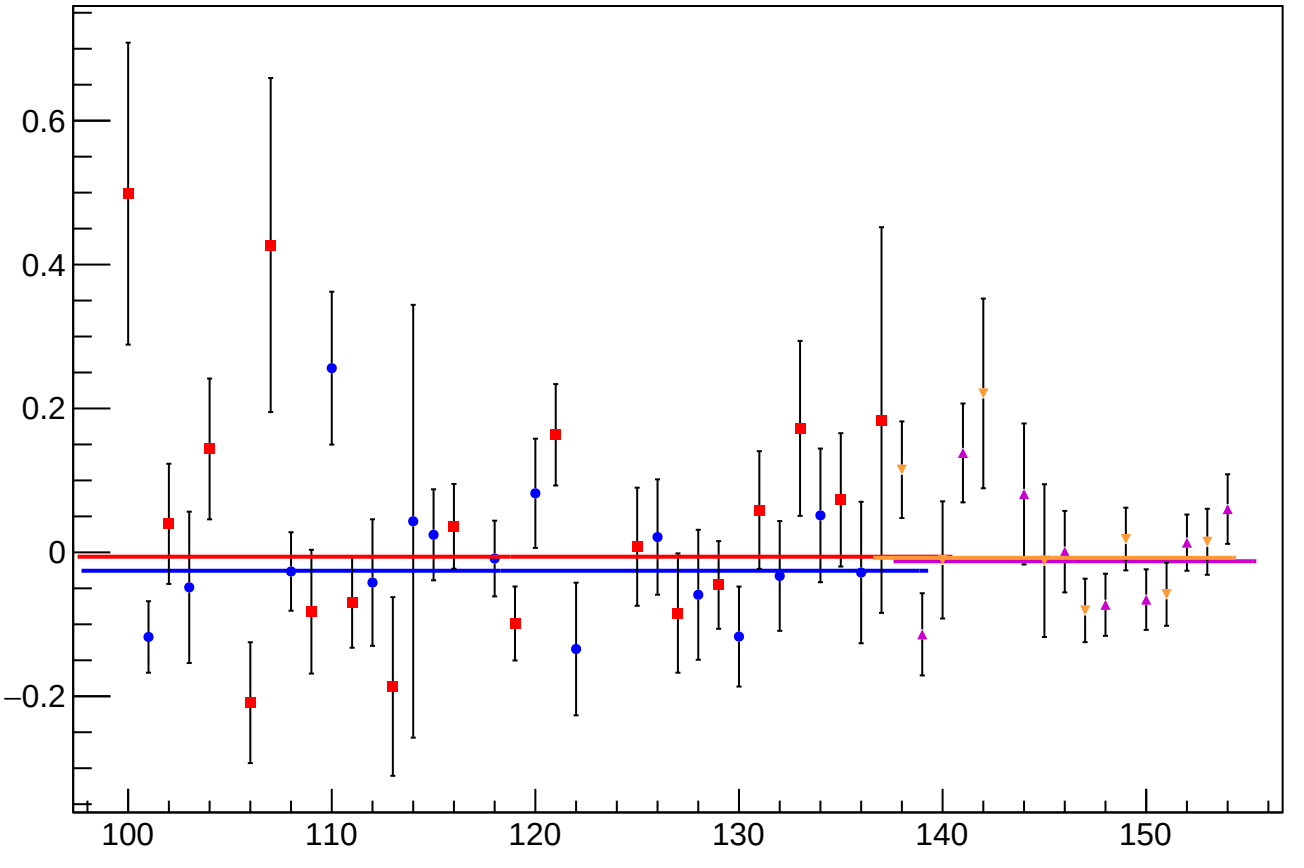
Left: 44.200+/-0.009 χ^2/NDF: 1865686.0/15

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

In: 44.056+/-0.009 χ^2/NDF:2168779.5/23

Out: 45.924+/-0.010 χ^2/NDF:2230345.6/25

All: 44.928+/-0.007 χ^2/NDF: 4418528.7/49



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: -0.012+/-0.018 χ^2/NDF:15.2/7

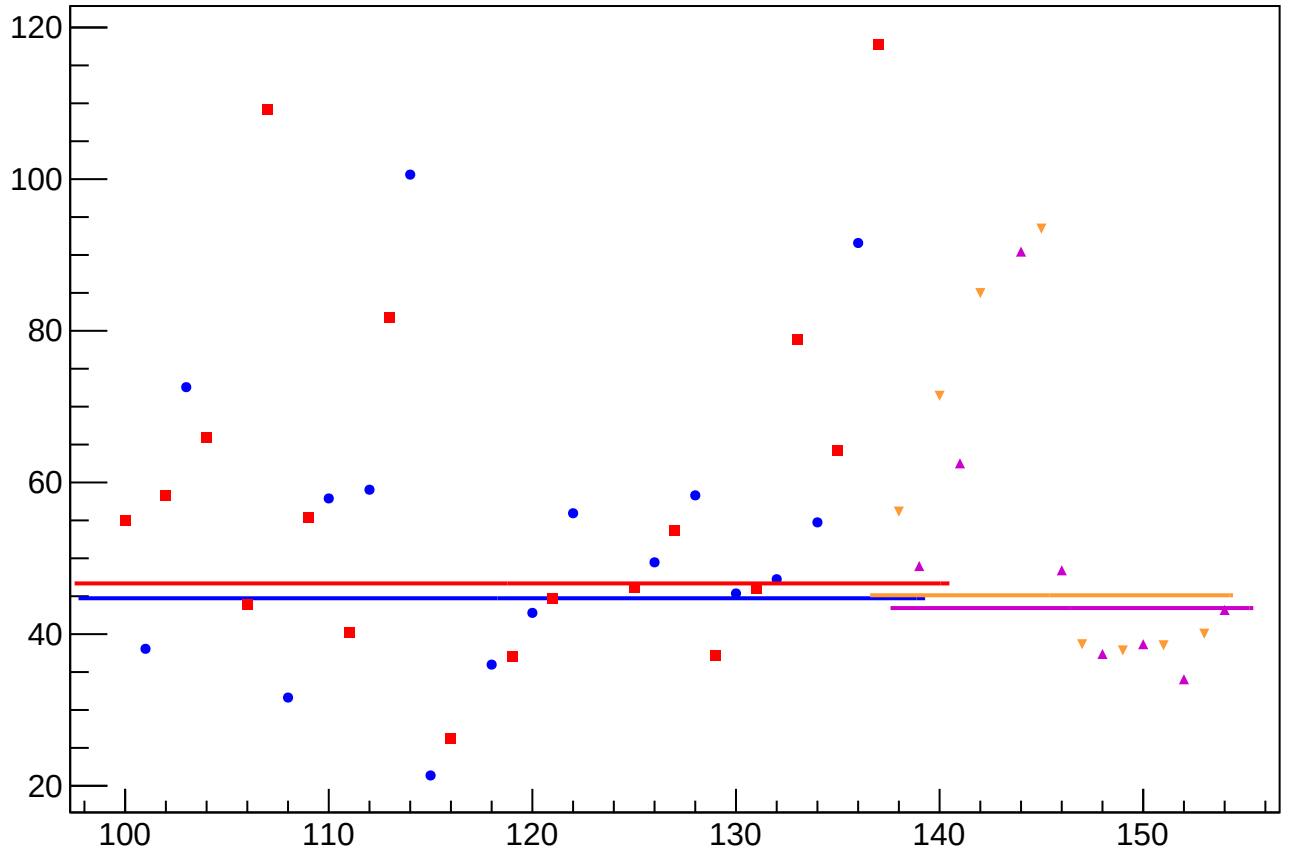
Left: -0.010+/-0.013 χ^2/NDF: 26.2/15

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

In: -0.019+/-0.013 χ^2/NDF:33.1/23

Out: -0.007+/-0.014 χ^2/NDF:47.6/25

All: -0.013+/-0.009 χ^2/NDF: 81.0/49



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: 43.440+/-0.013 χ^2/NDF:829216.5/7

Left: 44.200+/-0.009 χ^2/NDF: 1865686.0/15

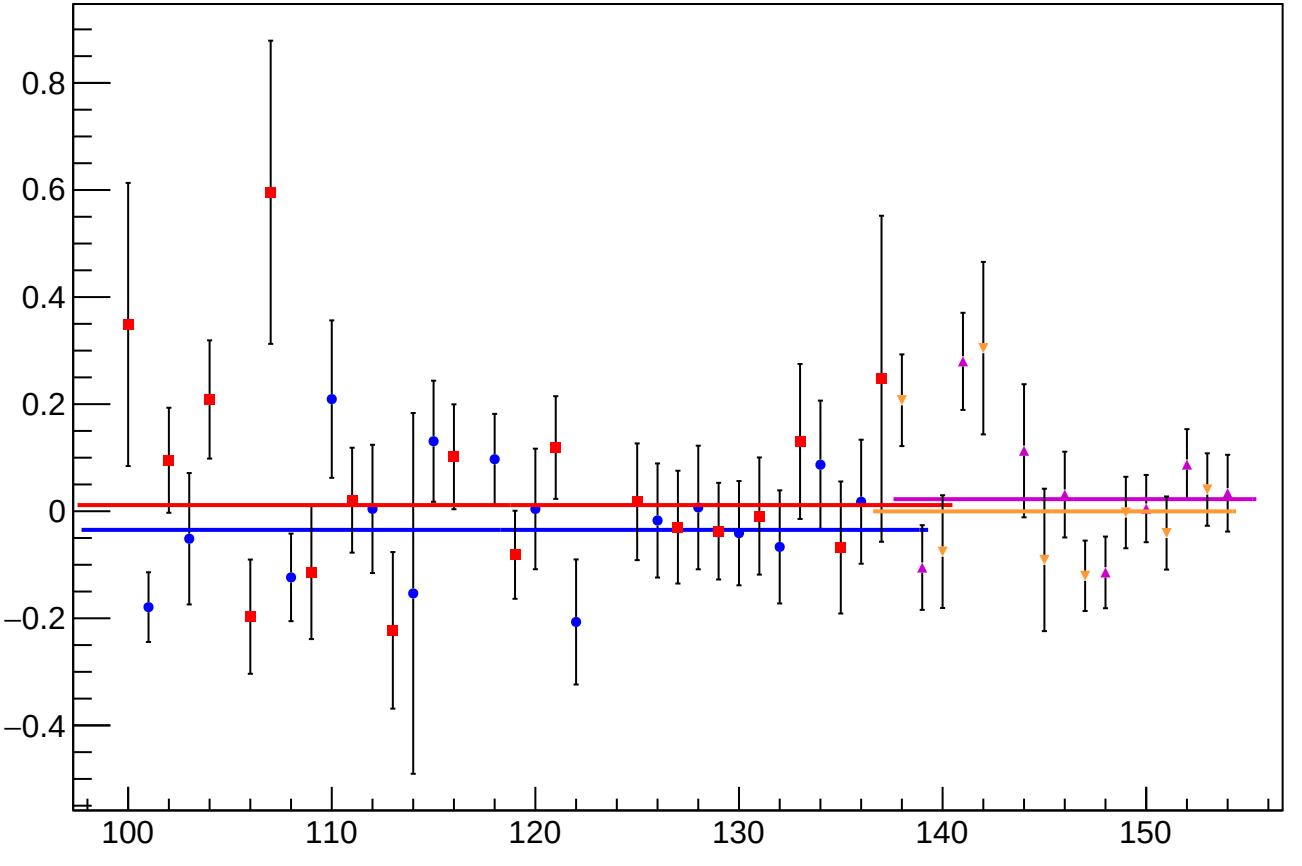
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.056+/-0.009 χ^2/NDF:2168779.5/23

Out: 45.924+/-0.010 χ^2/NDF:2230345.6/25

All: 44.928+/-0.007 χ^2/NDF: 4418528.7/49

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: 0.023+/-0.027 χ^2/NDF:16.4/7

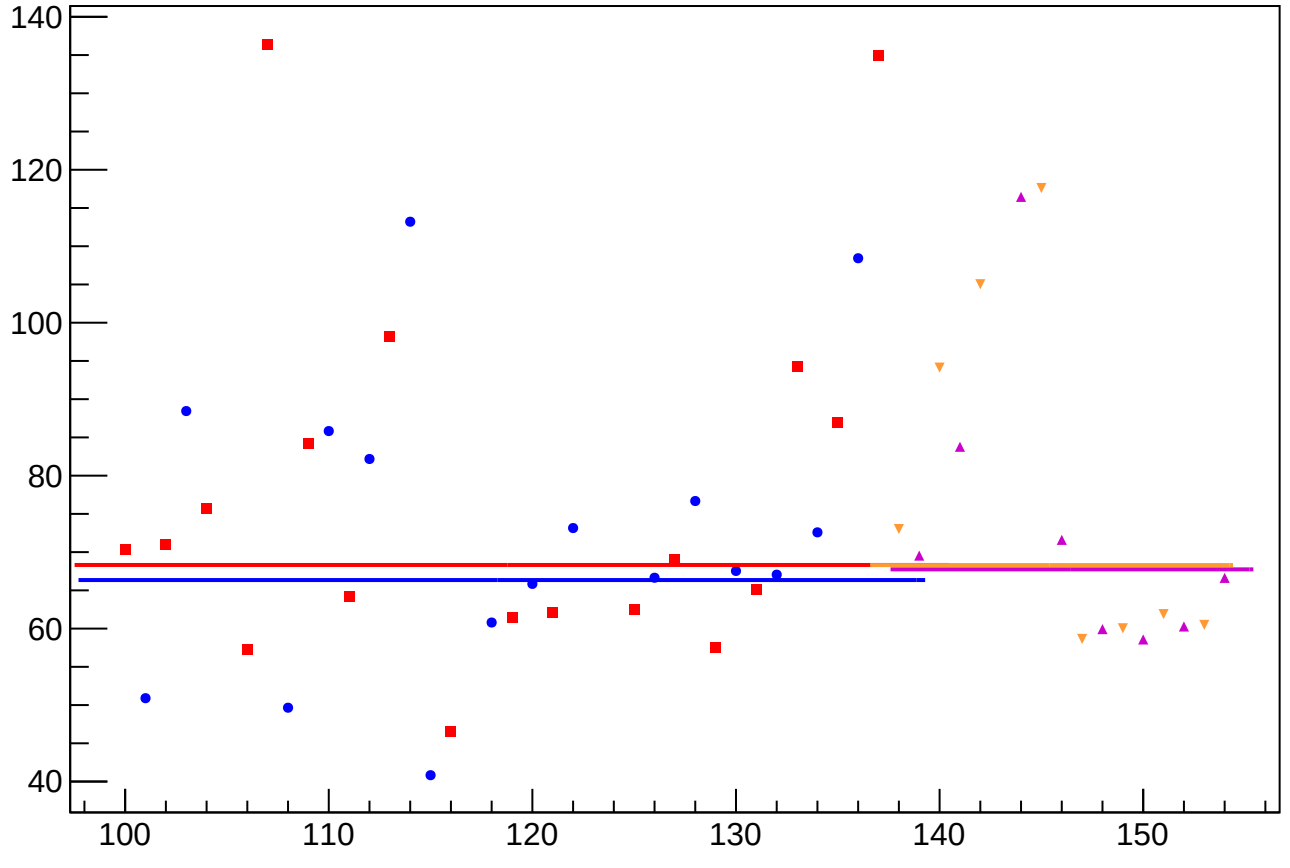
Left: 0.012+/-0.020 χ^2/NDF: 31.3/15

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

In: -0.007+/-0.019 χ^2/NDF:36.2/23

Out: 0.006+/-0.020 χ^2/NDF:37.3/25

All: -0.001+/-0.014 χ^2/NDF: 73.8/49



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: 67.746+/-0.019 χ^2/NDF:471195.1/7

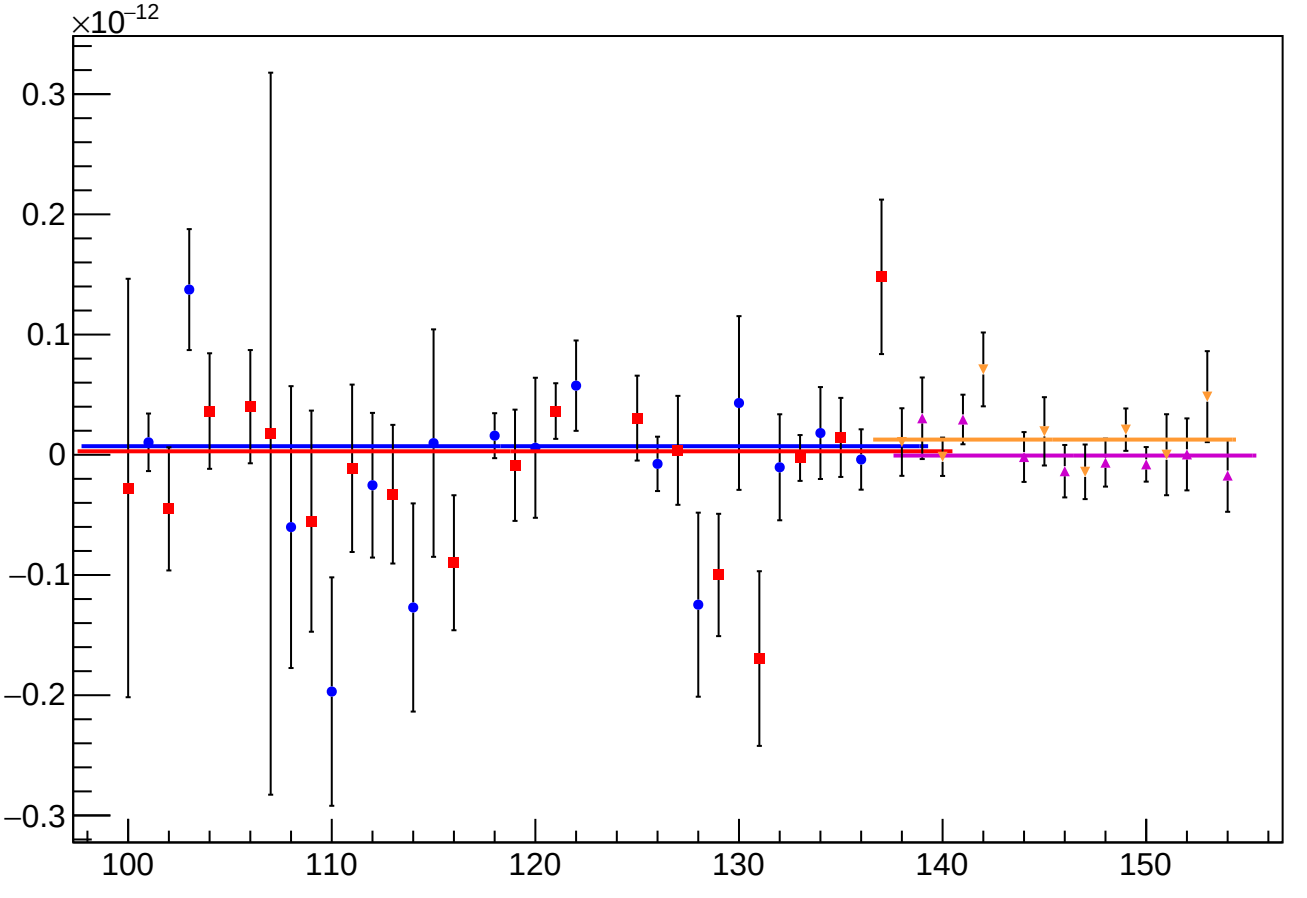
Left: 68.006+/-0.014 χ^2/NDF: 1094937.7/15

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

In: 67.036+/-0.013 χ^2/NDF:1246642.6/23

Out: 68.314+/-0.014 χ^2/NDF:1253002.1/25

All: 67.644+/-0.010 χ^2/NDF: 2504082.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: -0.000+/-0.000 χ^2/NDF:4.0/7

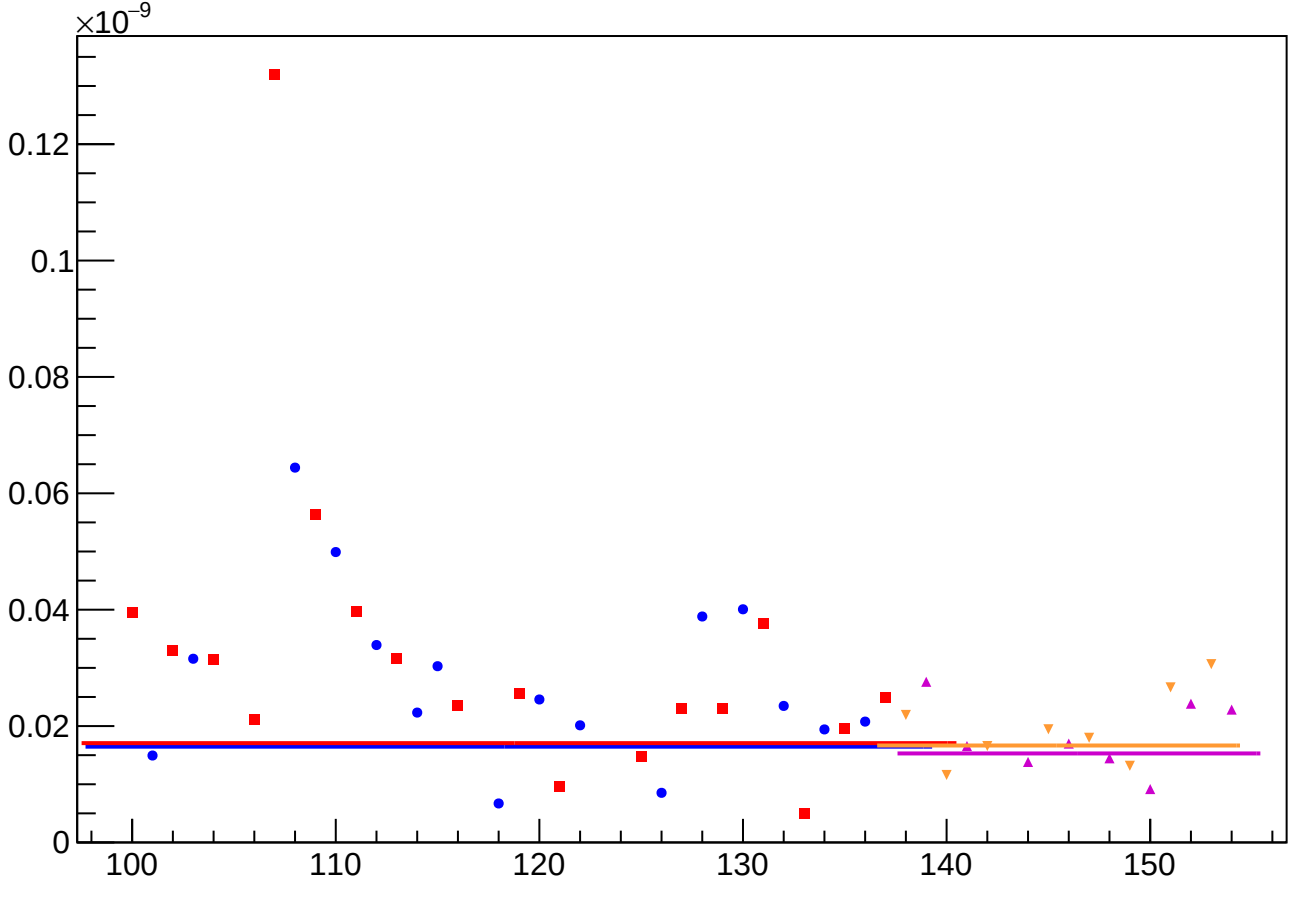
Left: 0.000+/-0.000 χ^2/NDF: 12.5/15

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:24.8/23

Out: 0.000+/-0.000 χ^2/NDF:31.1/25

All: 0.000+/-0.000 χ^2/NDF: 56.4/49



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:946679.3/7

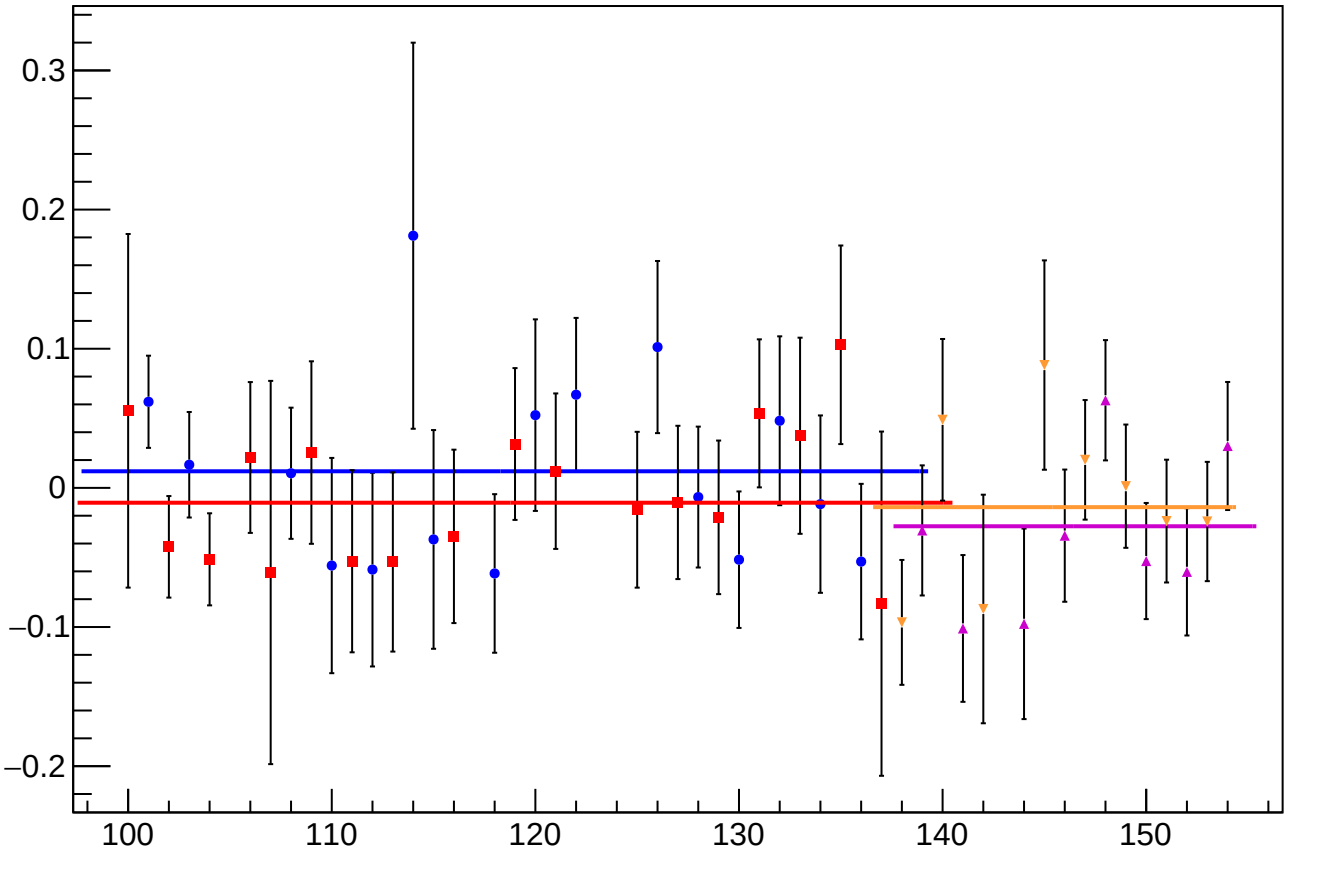
Left: 0.000+/-0.000 χ^2/NDF: 1800260.7/15

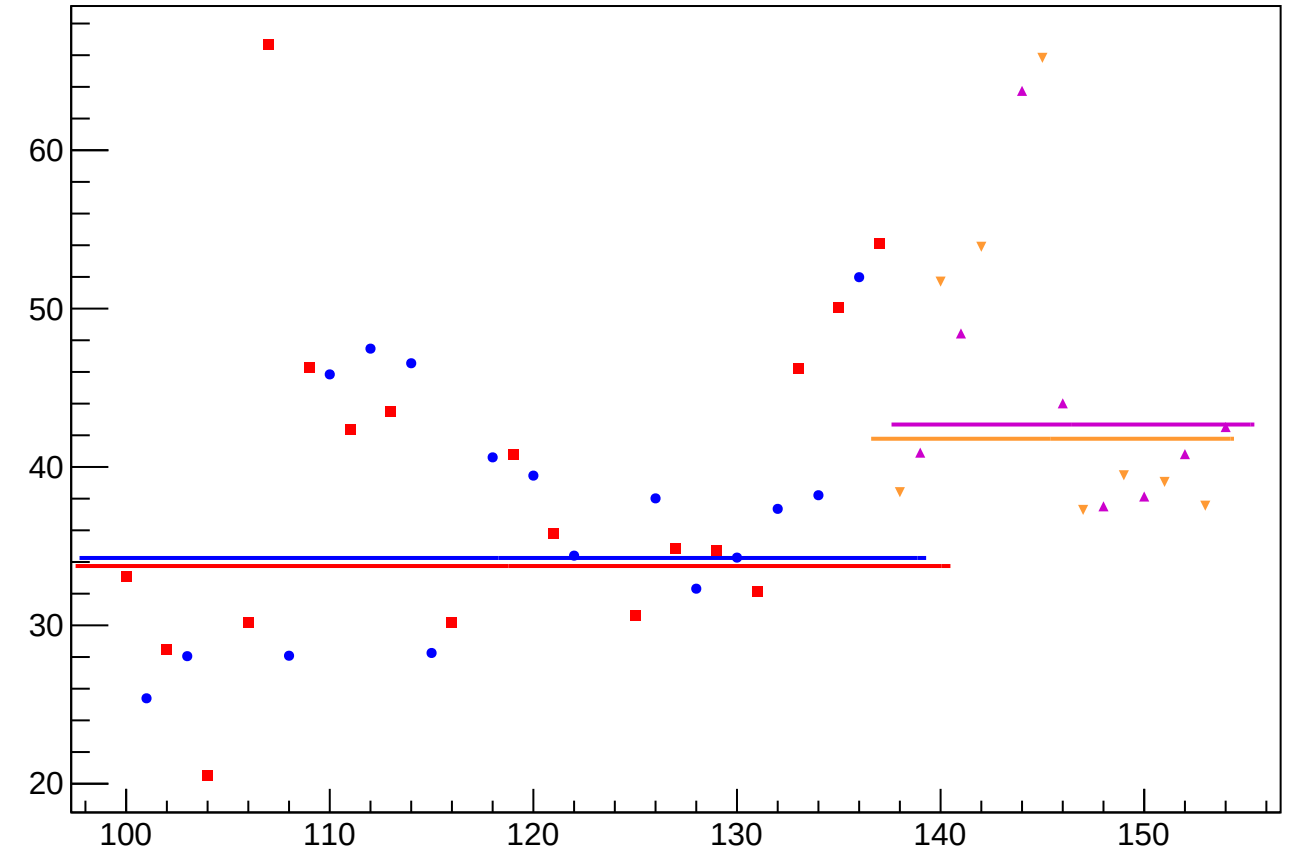
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:3311564.1/23

Out: 0.000+/-0.000 χ^2/NDF:3617920.1/25

All: 0.000+/-0.000 χ^2/NDF: 6959511.9/49


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: -0.028+/-0.017 χ²/NDF:9.8/7
Left: -0.021+/-0.012 χ²/NDF: 18.2/15
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.004+/-0.011 χ²/NDF:27.9/23
Out: -0.012+/-0.011 χ²/NDF:18.0/25
All: -0.008+/-0.008 χ²/NDF: 46.2/49



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: 42.680+/-0.012 χ^2/NDF:273261.3/7

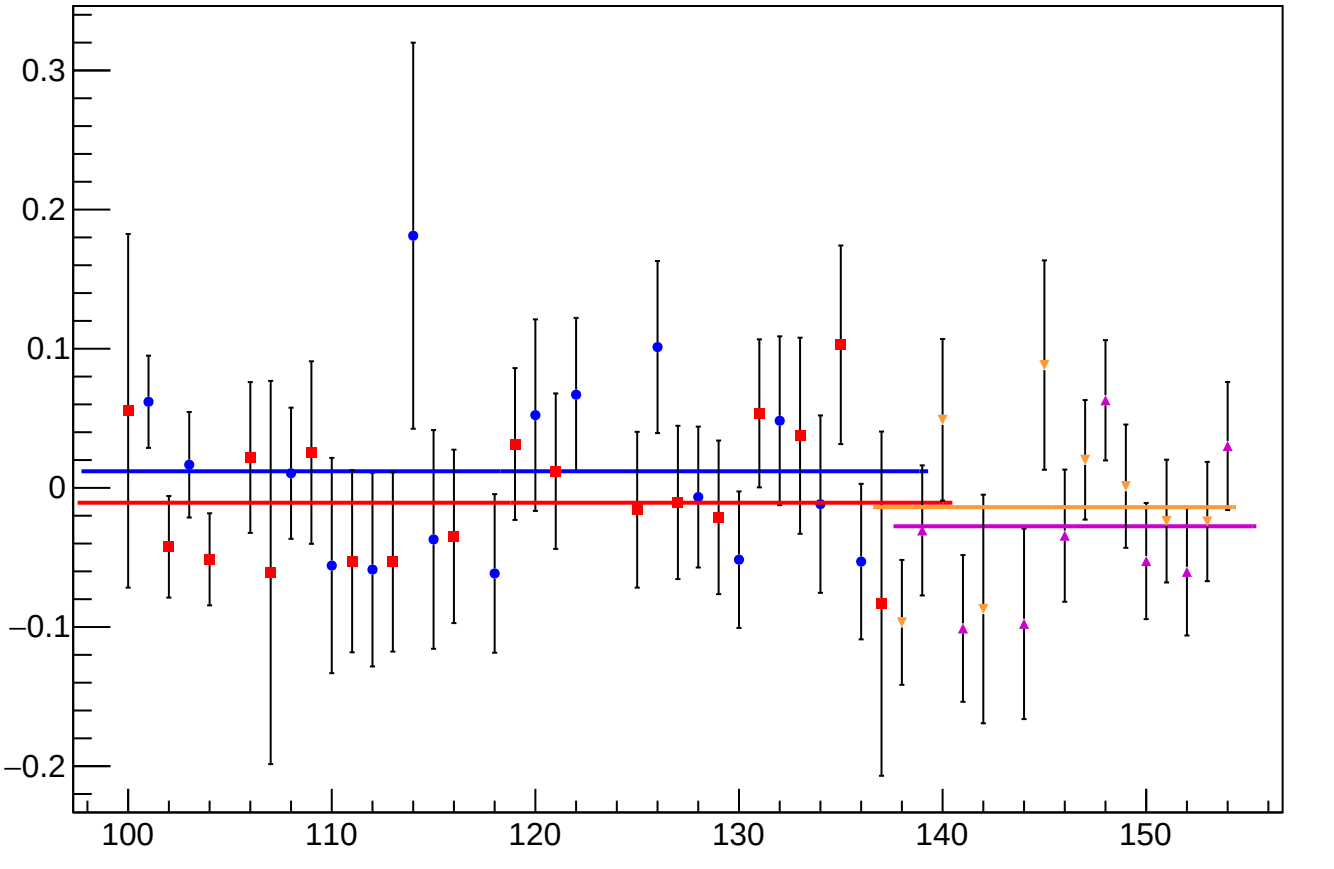
Left: 42.251+/-0.009 χ^2/NDF: 647983.8/15

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

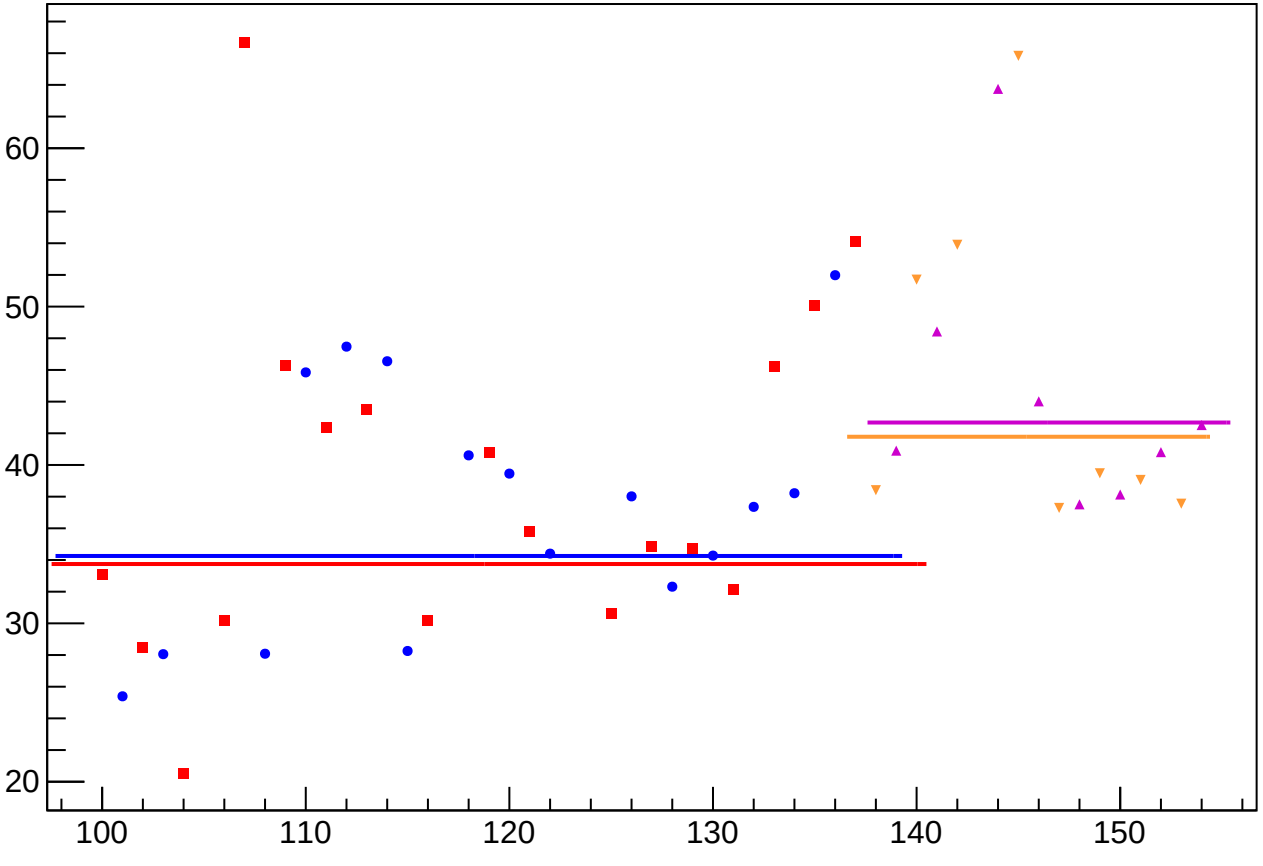
In: 37.588+/-0.007 χ^2/NDF:1212442.6/23

Out: 36.706+/-0.008 χ^2/NDF:1547215.7/25

All: 37.151+/-0.005 χ^2/NDF: 2766542.1/49


asym_usl_overload_cor_vs_eigen_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: -0.028+/-0.017 χ²/NDF:9.8/7
Left: -0.021+/-0.012 χ²/NDF: 18.2/15
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.004+/-0.011 χ²/NDF:27.9/23
Out: -0.012+/-0.011 χ²/NDF:18.0/25
All: -0.008+/-0.008 χ²/NDF: 46.2/49

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: 42.680+/-0.012 χ^2/NDF:273261.3/7

Left: 42.251+/-0.009 χ^2/NDF: 647983.8/15

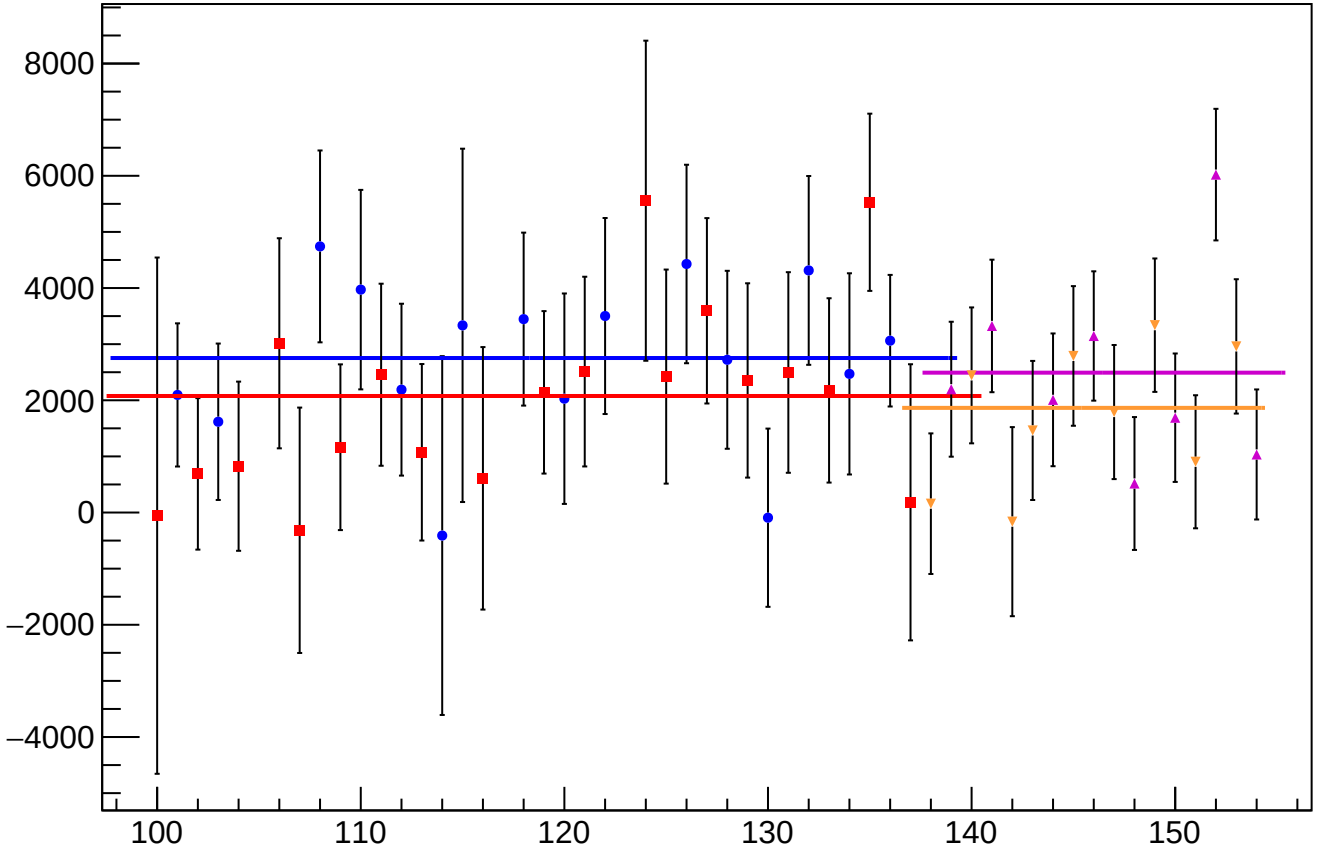
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.588+/-0.007 χ^2/NDF:1212442.6/23

Out: 36.706+/-0.008 χ^2/NDF:1547215.7/25

All: 37.151+/-0.005 χ^2/NDF: 2766542.1/49

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: 2492.005+/-414.243 χ^2/NDF:15.0/7

Left: 2179.492+/-293.423 χ^2/NDF: 23.3/16

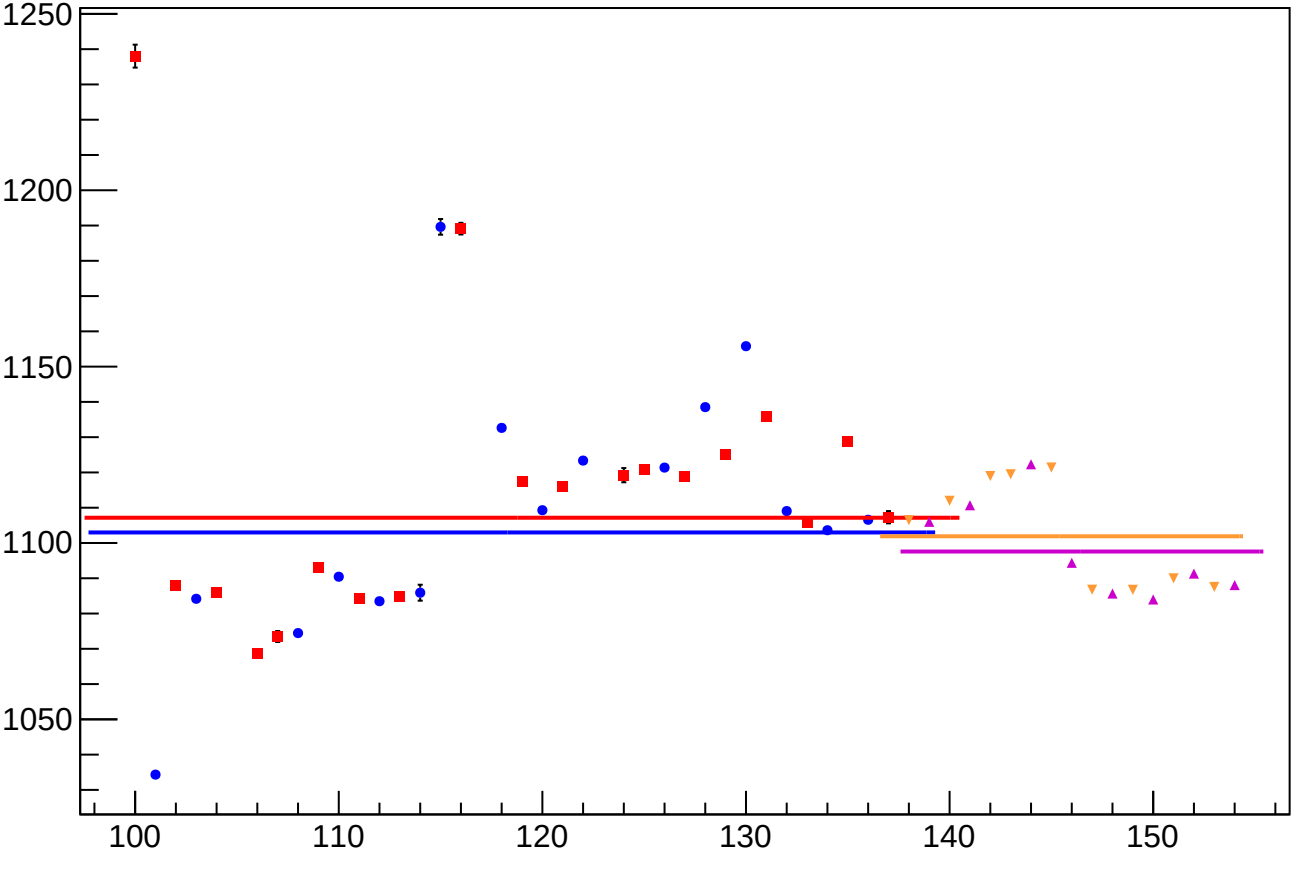
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2623.960+/-291.344 χ^2/NDF:24.7/23

Out: 1973.705+/-289.639 χ^2/NDF:19.9/27

All: 2296.924+/-205.406 χ^2/NDF: 47.1/51

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: 1097.580+/-0.293 χ^2/NDF:1912.1/7

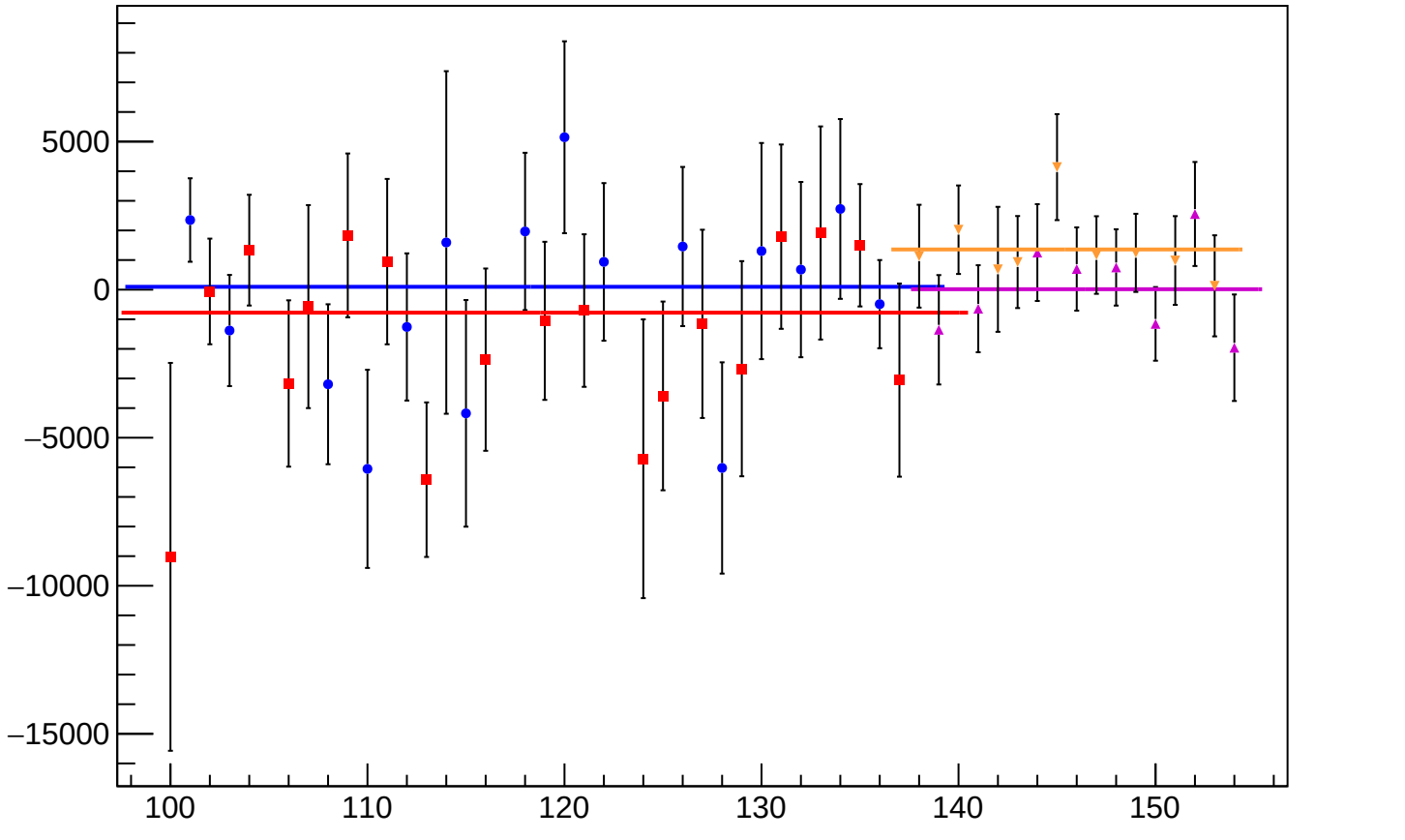
Left: 1099.732+/-0.207 χ^2/NDF: 4421.5/16

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

In: 1100.313+/-0.206 χ^2/NDF:15308.2/23

Out: 1104.606+/-0.205 χ^2/NDF:11249.1/27

All: 1102.472+/-0.145 χ^2/NDF: 26775.7/51



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: 14.742+/-533.158 χ^2/NDF:6.1/7

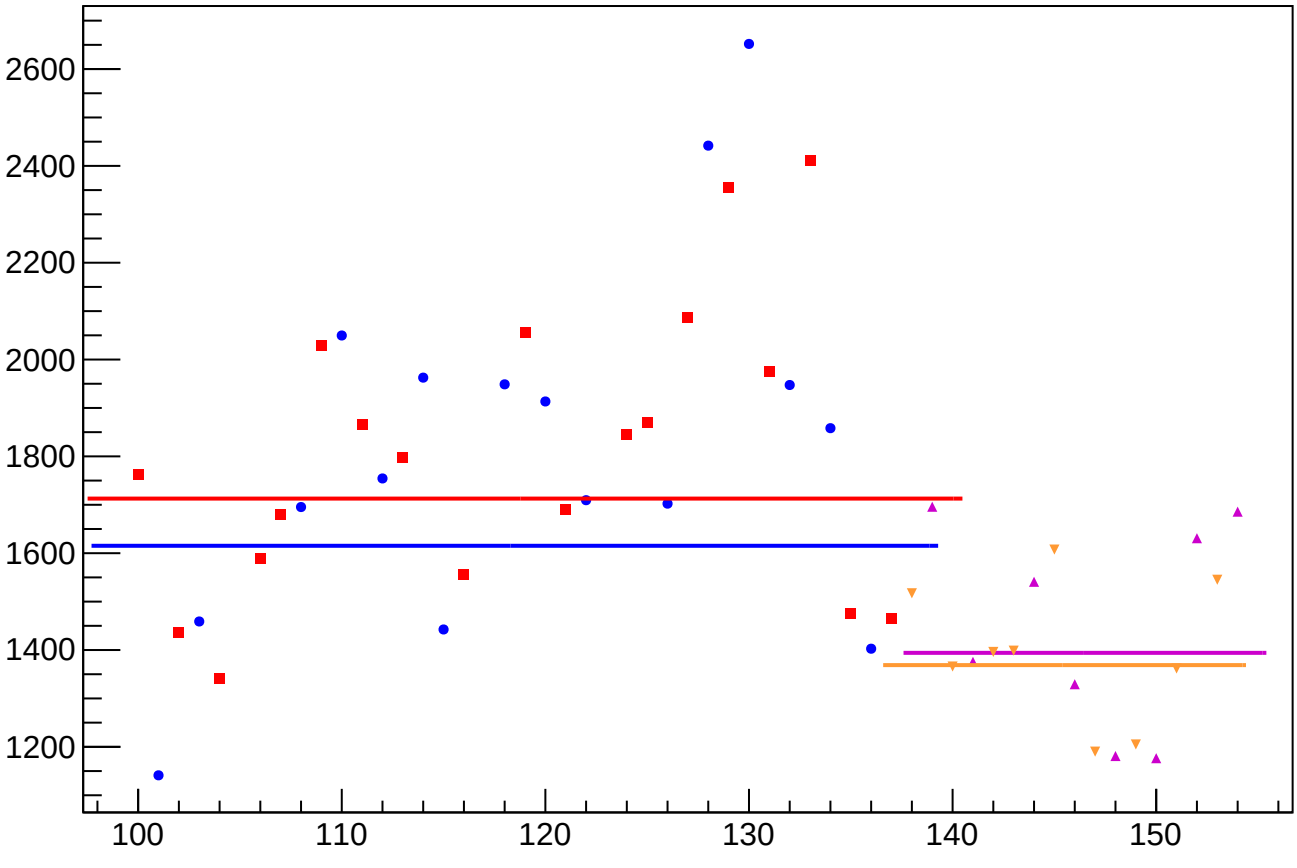
Left: 700.888+/-372.833 χ^2/NDF: 12.7/16

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

In: 49.389+/-403.717 χ^2/NDF:23.0/23

Out: 500.792+/-403.541 χ^2/NDF:25.2/27

All: 275.189+/-285.409 χ^2/NDF: 48.8/51



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: 1394.175+/-0.377 χ^2/NDF:278914.1/7

Left: 1381.234+/-0.264 χ^2/NDF: 421931.8/16

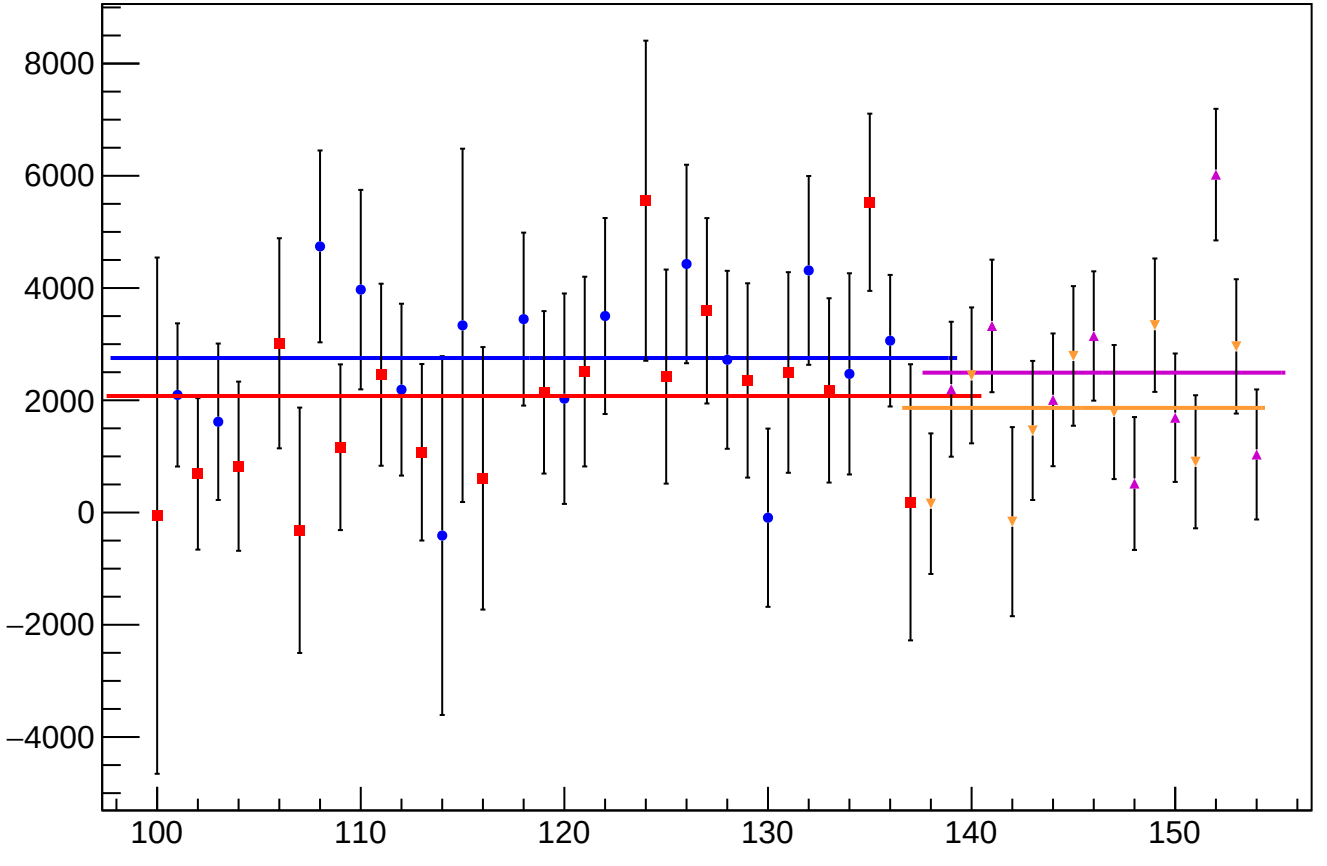
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1488.518+/-0.285 χ^2/NDF:1119334.7/23

Out: 1506.900+/-0.285 χ^2/NDF:917871.3/27

All: 1497.713+/-0.202 χ^2/NDF: 2039280.0/51

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: 2492.005+/-414.243 χ^2/NDF:15.0/7

Left: 2179.492+/-293.423 χ^2/NDF: 23.3/16

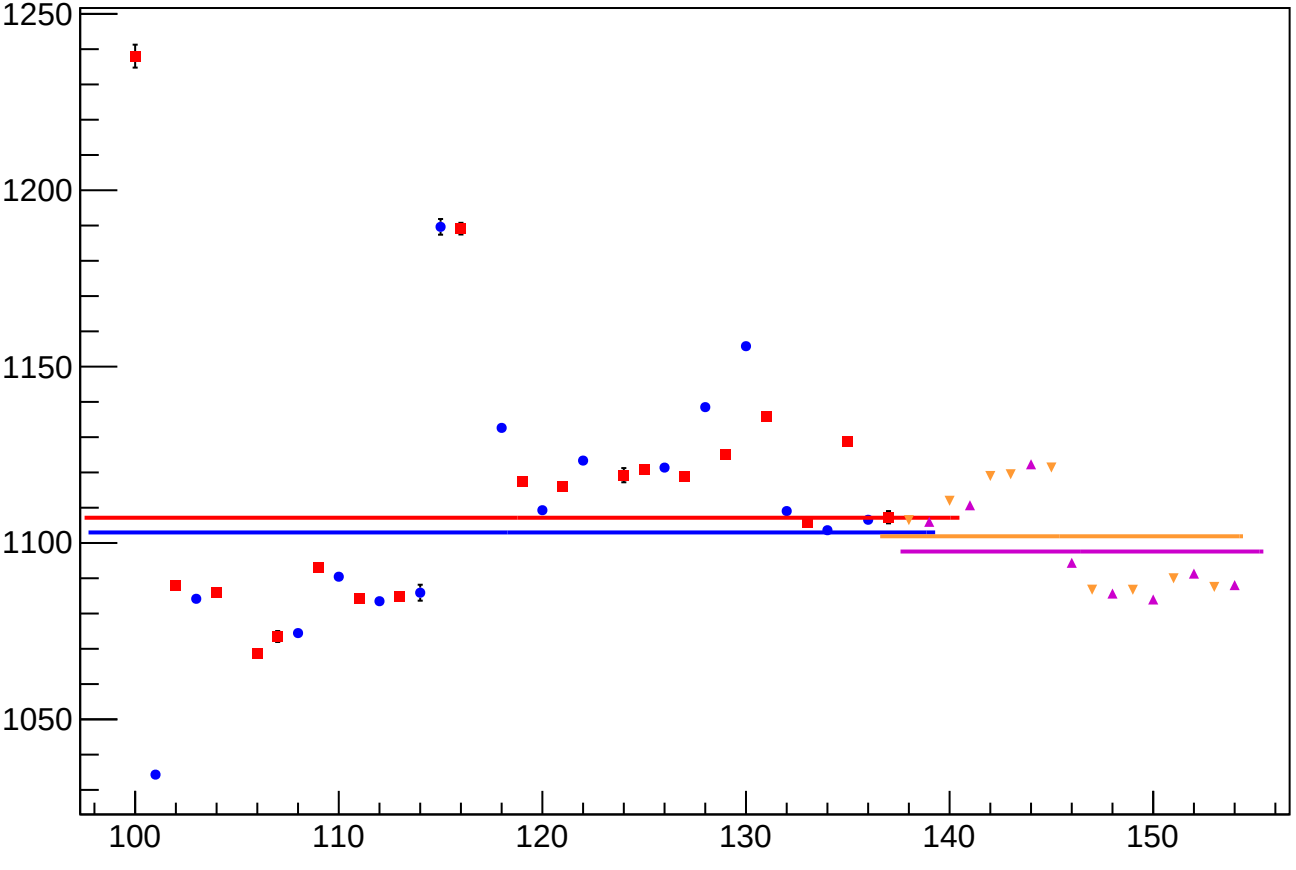
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2623.960+/-291.344 χ^2/NDF:24.7/23

Out: 1973.705+/-289.639 χ^2/NDF:19.9/27

All: 2296.924+/-205.406 χ^2/NDF: 47.1/51

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: 1097.580+/-0.293 χ^2/NDF:1912.1/7

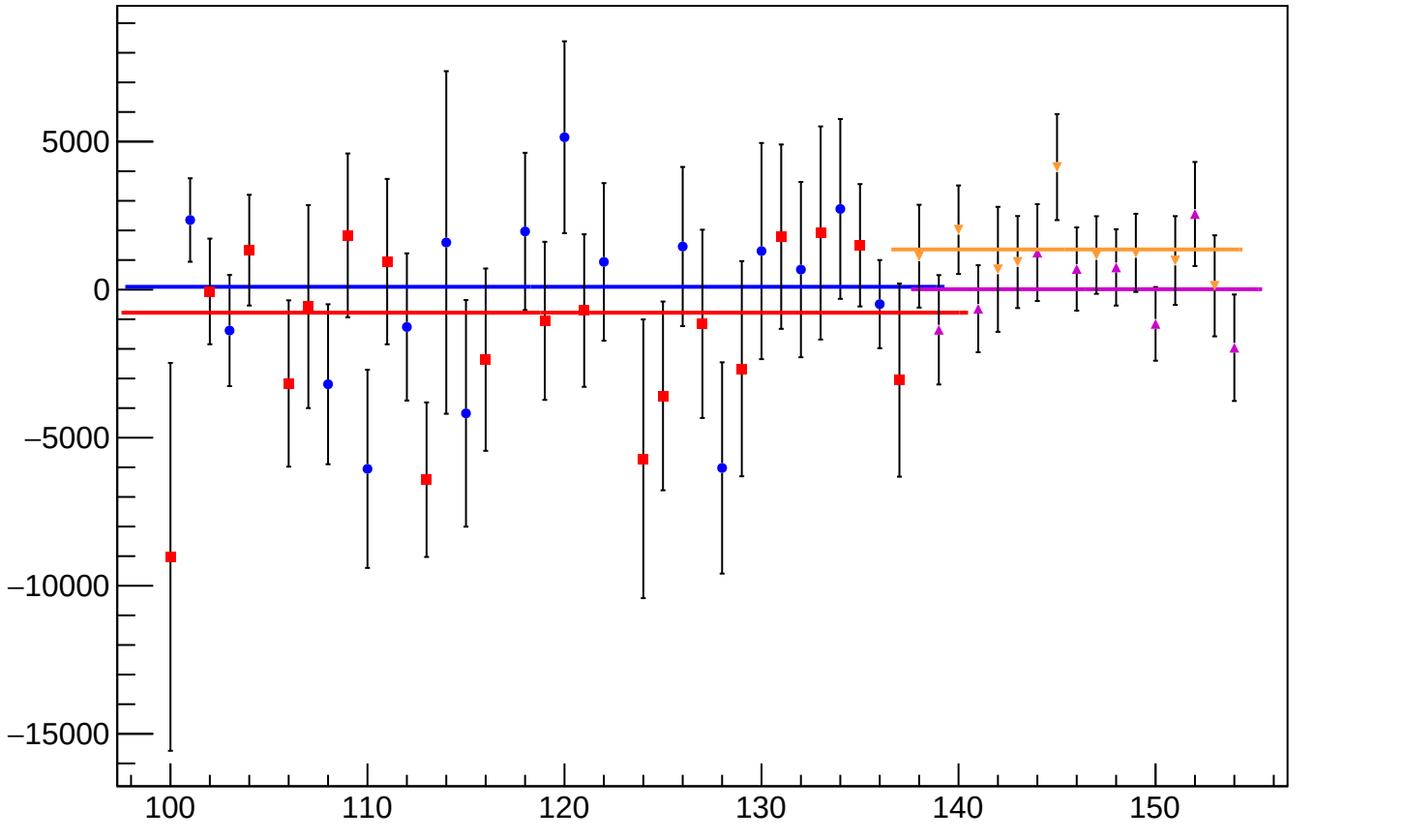
Left: 1099.732+/-0.207 χ^2/NDF: 4421.5/16

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

In: 1100.313+/-0.206 χ^2/NDF:15308.2/23

Out: 1104.606+/-0.205 χ^2/NDF:11249.1/27

All: 1102.472+/-0.145 χ^2/NDF: 26775.7/51



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: 14.742+/-533.158 χ^2/NDF:6.1/7

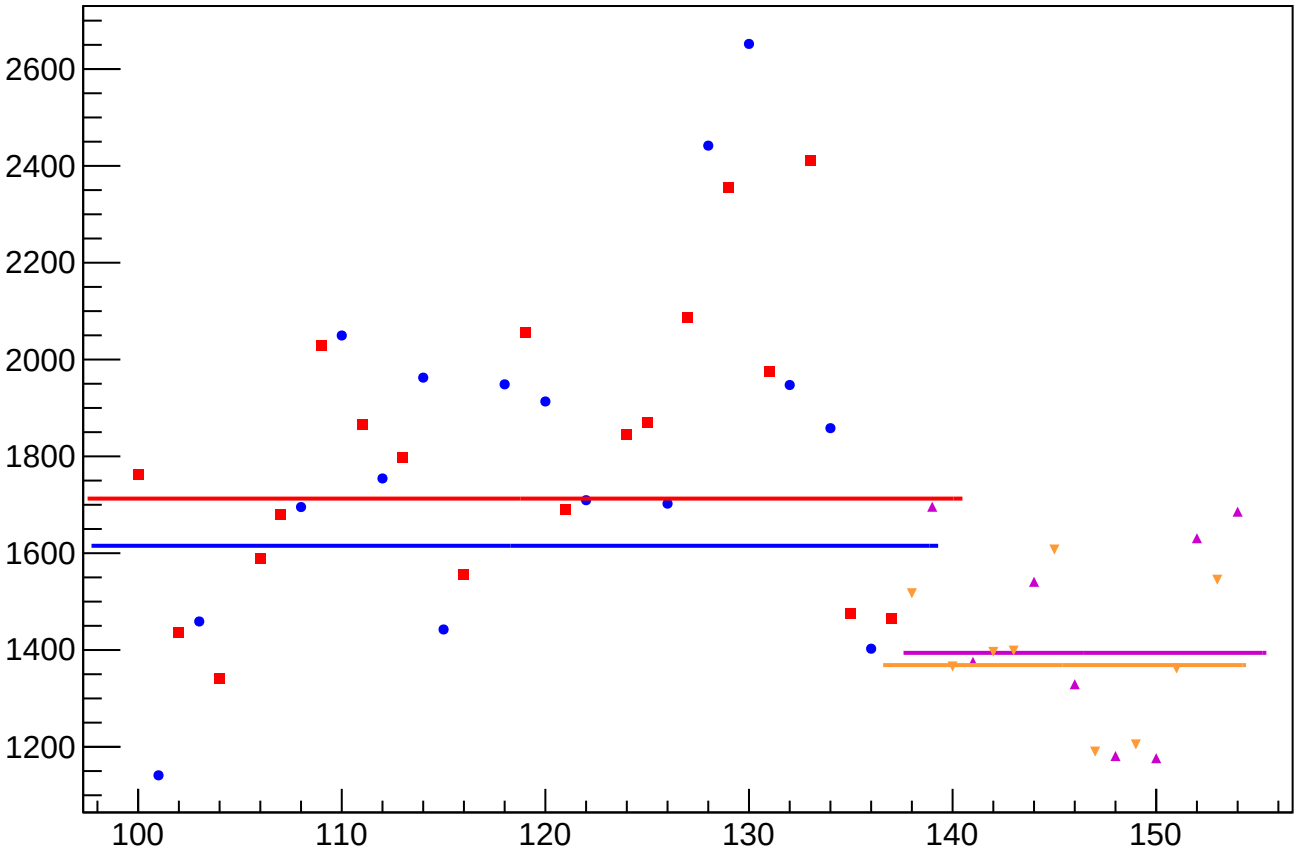
Left: 700.888+/-372.833 χ^2/NDF: 12.7/16

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

In: 49.389+/-403.717 χ^2/NDF:23.0/23

Out: 500.792+/-403.541 χ^2/NDF:25.2/27

All: 275.189+/-285.409 χ^2/NDF: 48.8/51



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: 1394.175+/-0.377 χ^2/NDF:278914.1/7

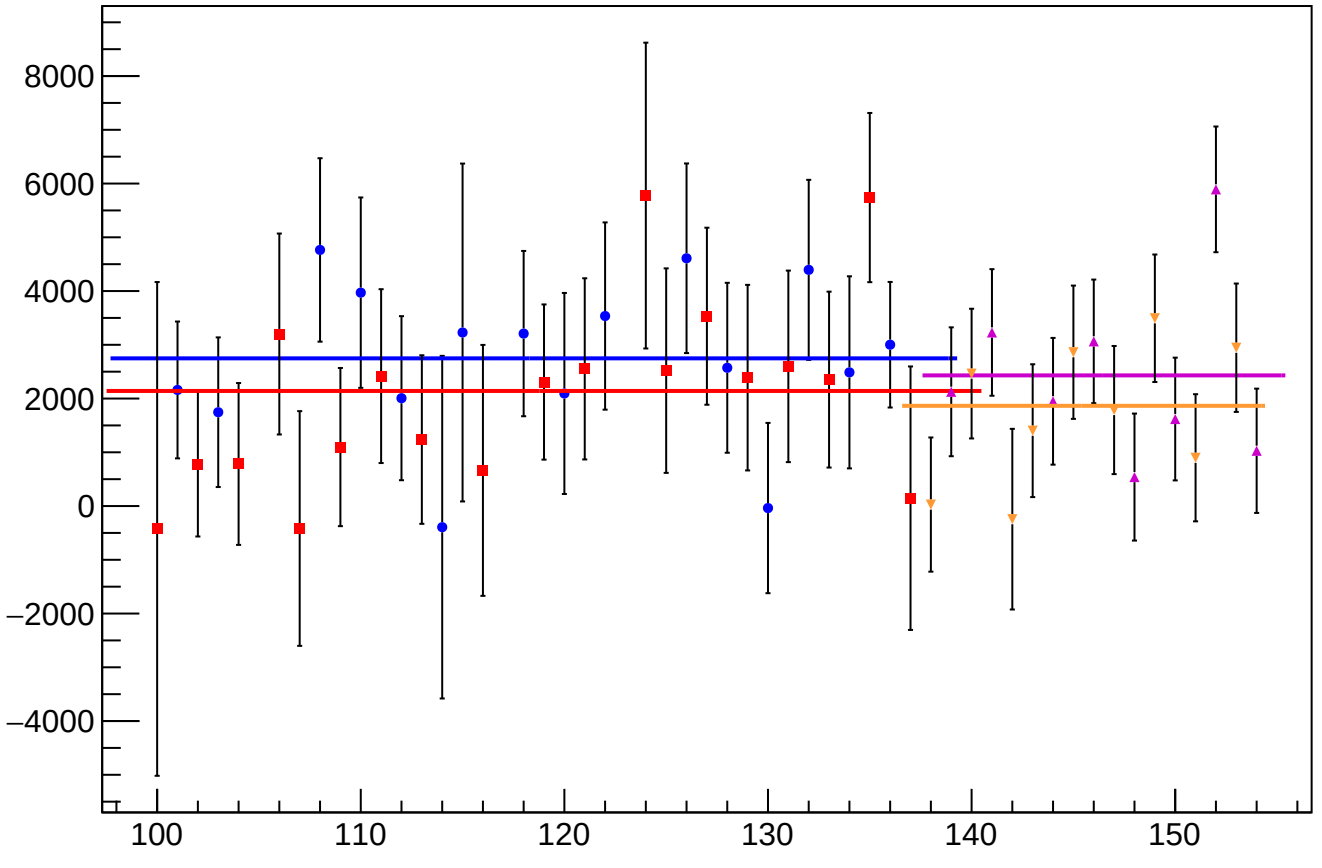
Left: 1381.234+/-0.264 χ^2/NDF: 421931.8/16

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

In: 1488.518+/-0.285 χ^2/NDF:1119334.7/23

Out: 1506.900+/-0.285 χ^2/NDF:917871.3/27

All: 1497.713+/-0.202 χ^2/NDF: 2039280.0/51



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: 2430.824+/-413.228 χ^2/NDF:14.3/7

Left: 2148.769+/-292.667 χ^2/NDF: 23.4/16

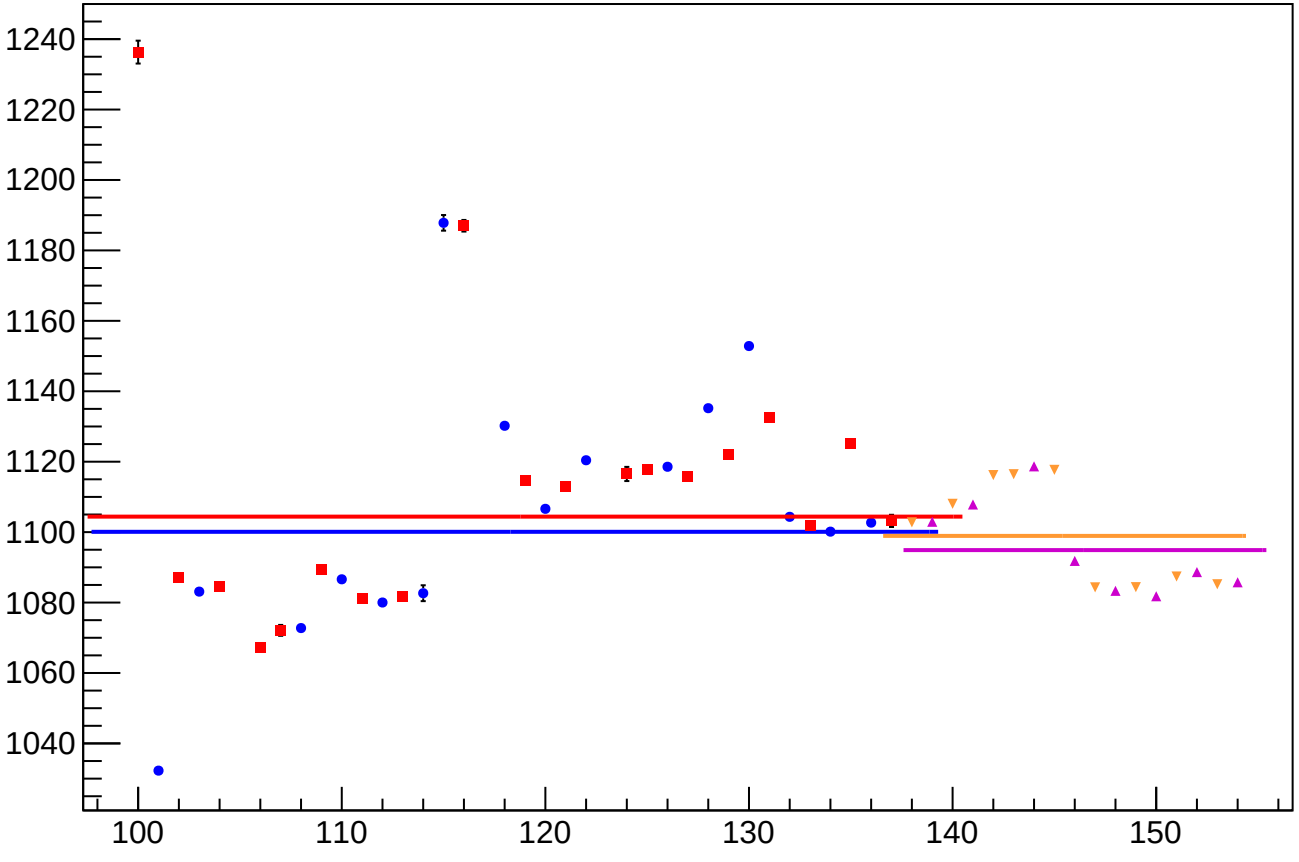
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2591.106+/-290.604 χ^2/NDF:24.1/23

Out: 2007.008+/-288.887 χ^2/NDF:21.9/27

All: 2297.327+/-204.878 χ^2/NDF: 48.1/51

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: 1094.897+/-0.292 χ^2/NDF:1797.4/7

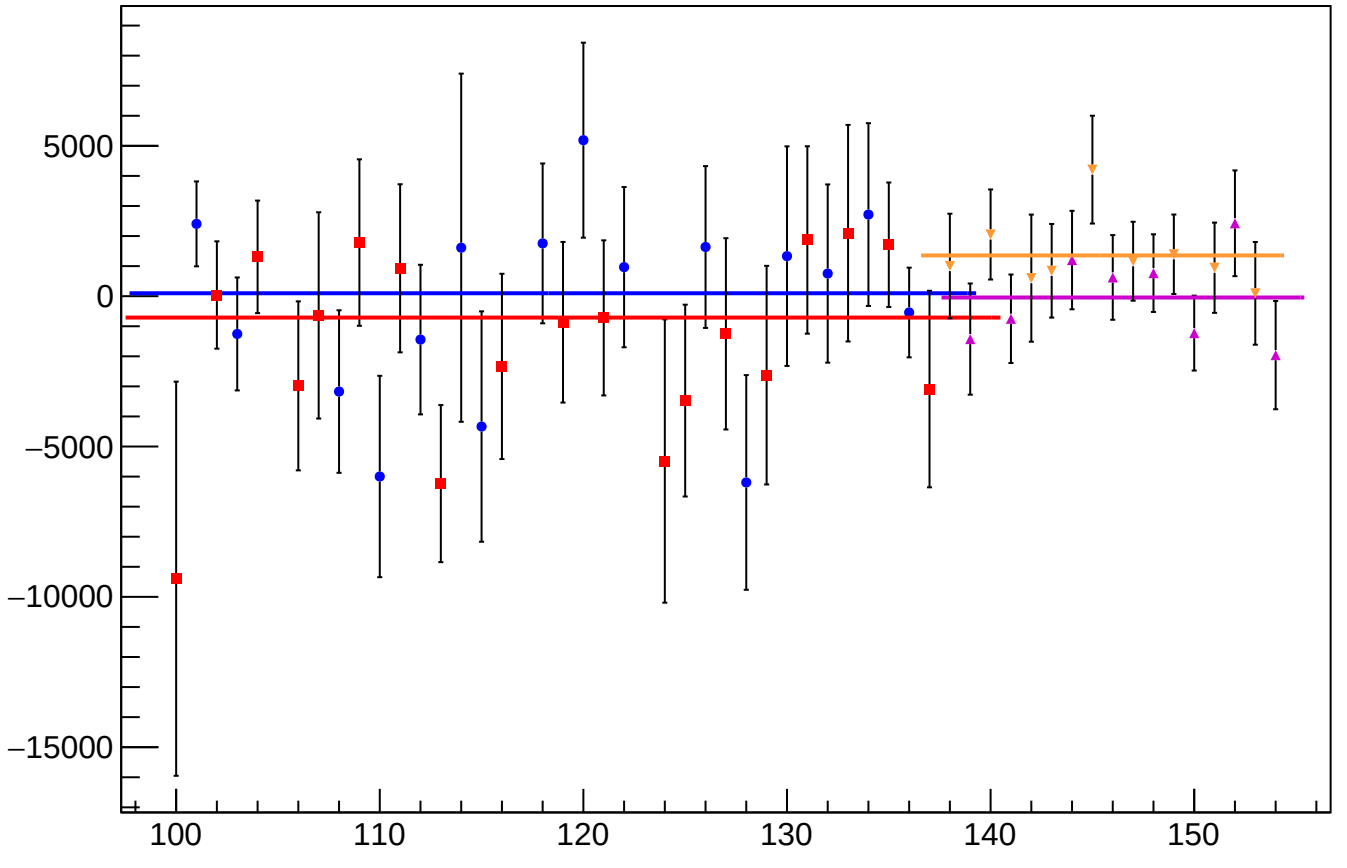
Left: 1096.907+/-0.207 χ^2/NDF: 4152.6/16

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

In: 1097.522+/-0.205 χ^2/NDF:15034.2/23

Out: 1101.746+/-0.204 χ^2/NDF:10982.9/27

All: 1099.646+/-0.145 χ^2/NDF: 26229.7/51



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 1355.274+/-522.473 χ^2/NDF:3.7/8

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -43.795+/-533.977 χ^2/NDF:6.0/7

Left: 670.973+/-373.445 χ^2/NDF: 13.2/16

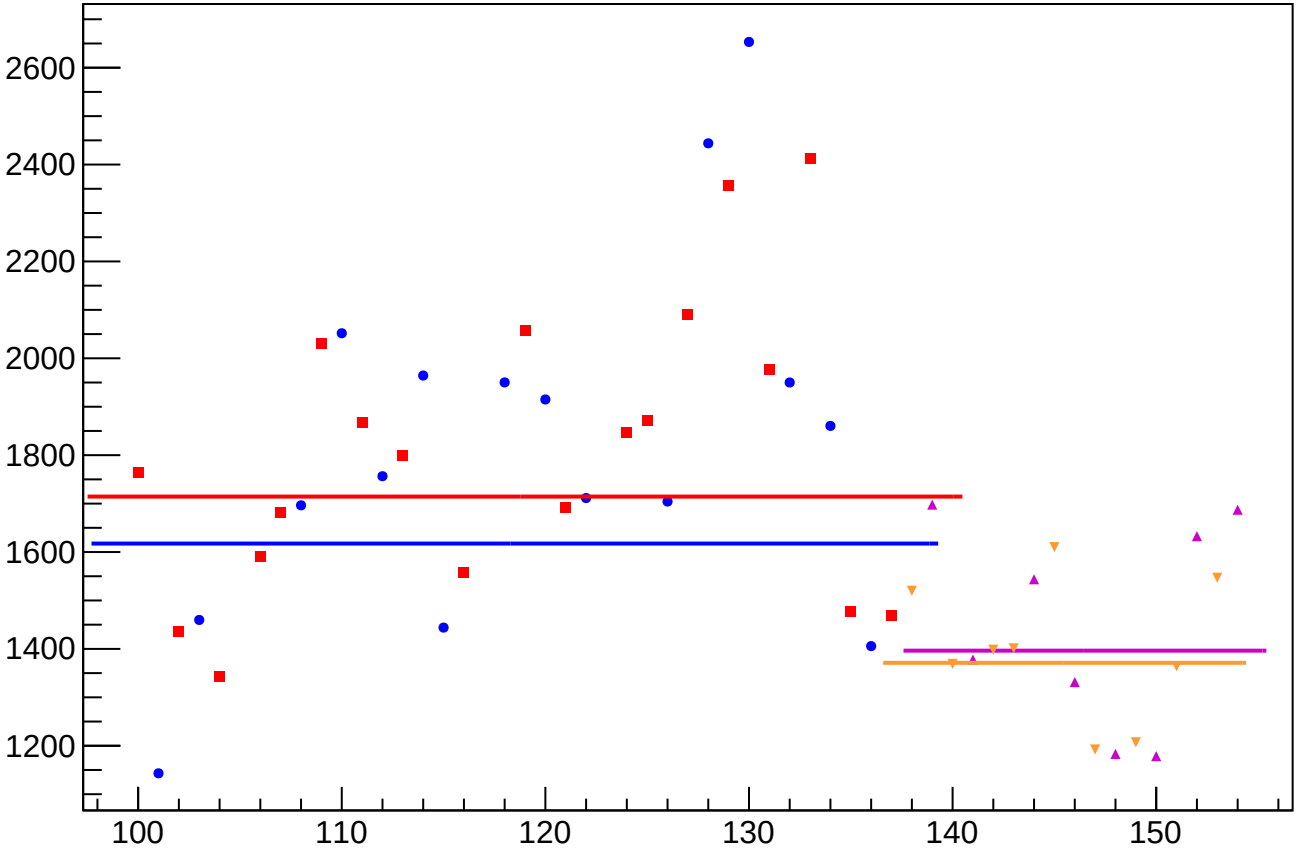
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 16.476+/-404.290 χ^2/NDF:23.3/23

Out: 525.062+/-404.120 χ^2/NDF:24.9/27

All: 270.876+/-285.816 χ^2/NDF: 48.9/51

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: 1396.384+/-0.378 χ^2/NDF:277932.4/7

Left: 1383.562+/-0.264 χ^2/NDF: 420562.4/16

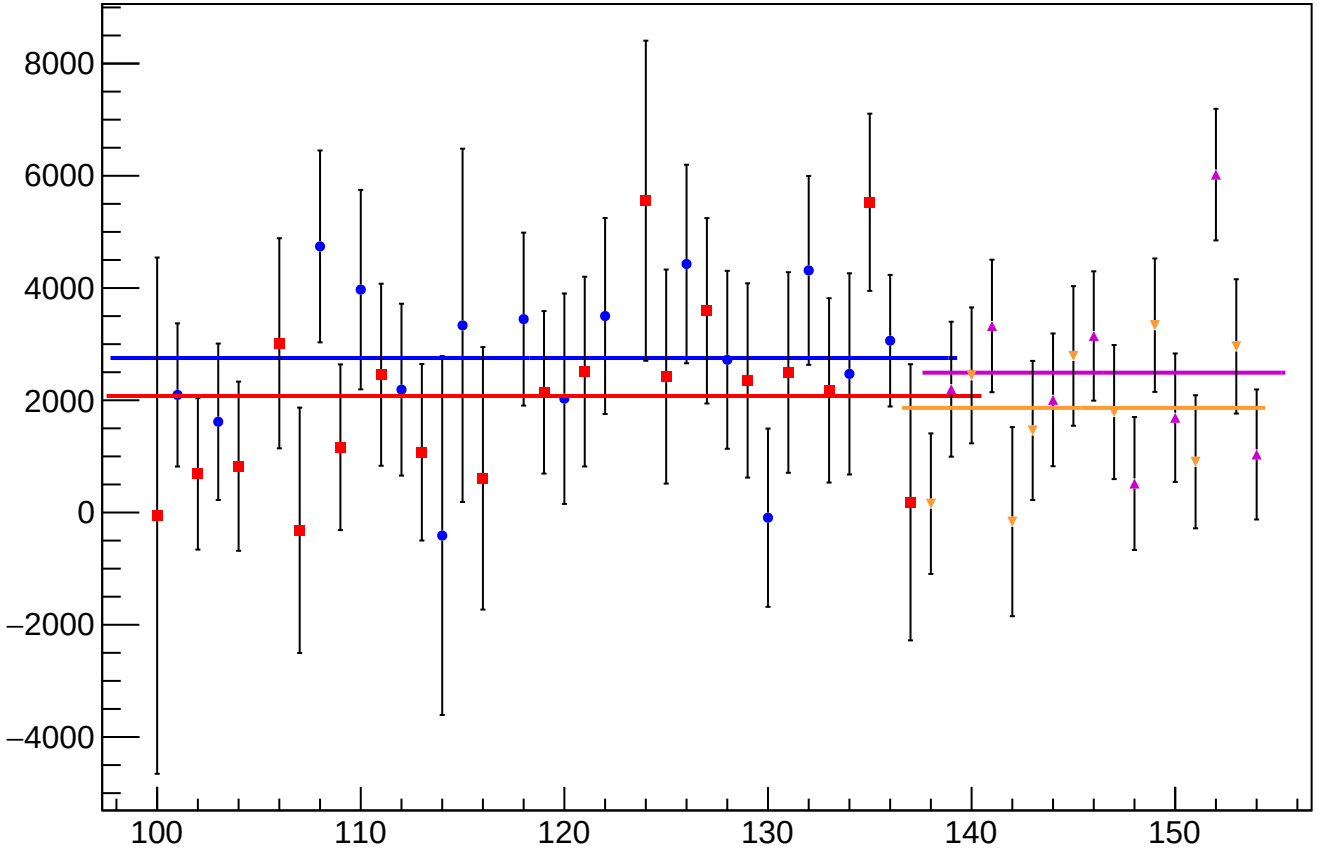
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1490.742+/-0.286 χ^2/NDF:1115999.4/23

Out: 1509.171+/-0.286 χ^2/NDF:914812.1/27

All: 1499.961+/-0.202 χ^2/NDF: 2032890.2/51

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: 2492.005+/-414.243 χ^2/NDF:15.0/7

Left: 2179.492+/-293.423 χ^2/NDF: 23.3/16

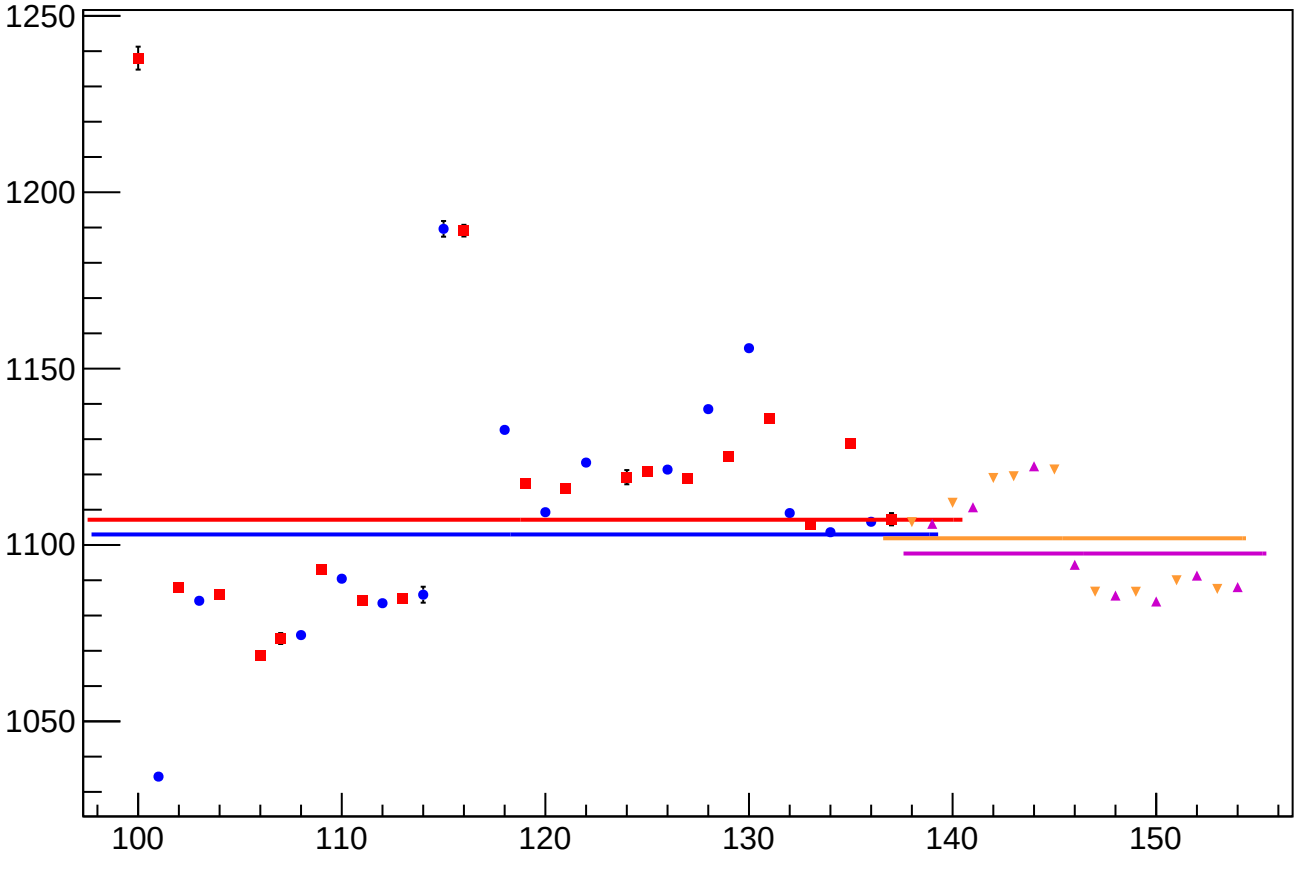
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2623.960+/-291.344 χ^2/NDF:24.7/23

Out: 1973.705+/-289.639 χ^2/NDF:19.9/27

All: 2296.924+/-205.406 χ^2/NDF: 47.1/51

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: 1097.580+/-0.293 χ^2/NDF:1912.1/7

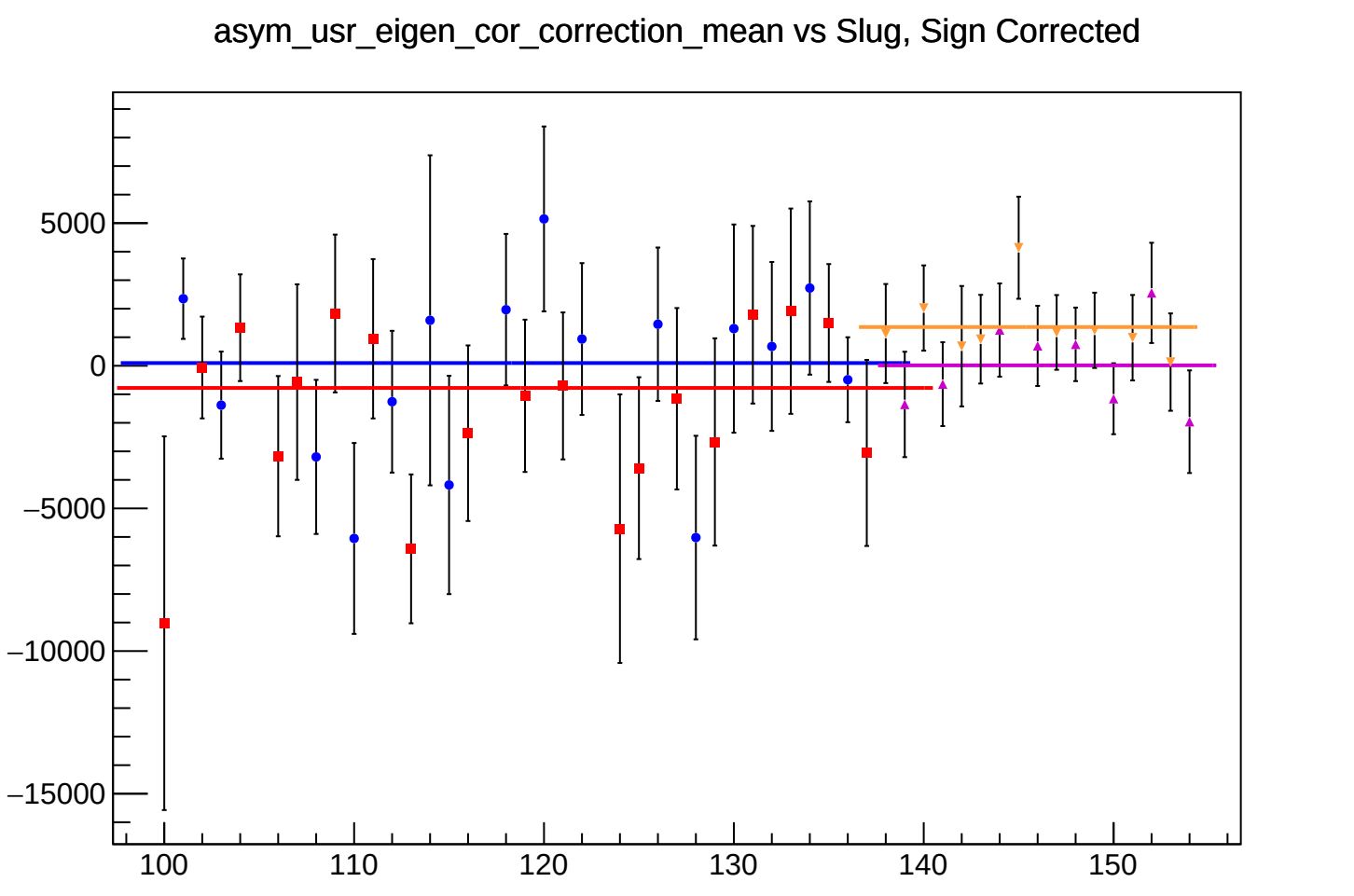
Left: 1099.732+/-0.207 χ^2/NDF: 4421.5/16

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

In: 1100.313+/-0.206 χ^2/NDF:15308.2/23

Out: 1104.606+/-0.205 χ^2/NDF:11249.1/27

All: 1102.472+/-0.145 χ^2/NDF: 26775.7/51



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: 14.742+/-533.158 χ^2/NDF:6.1/7

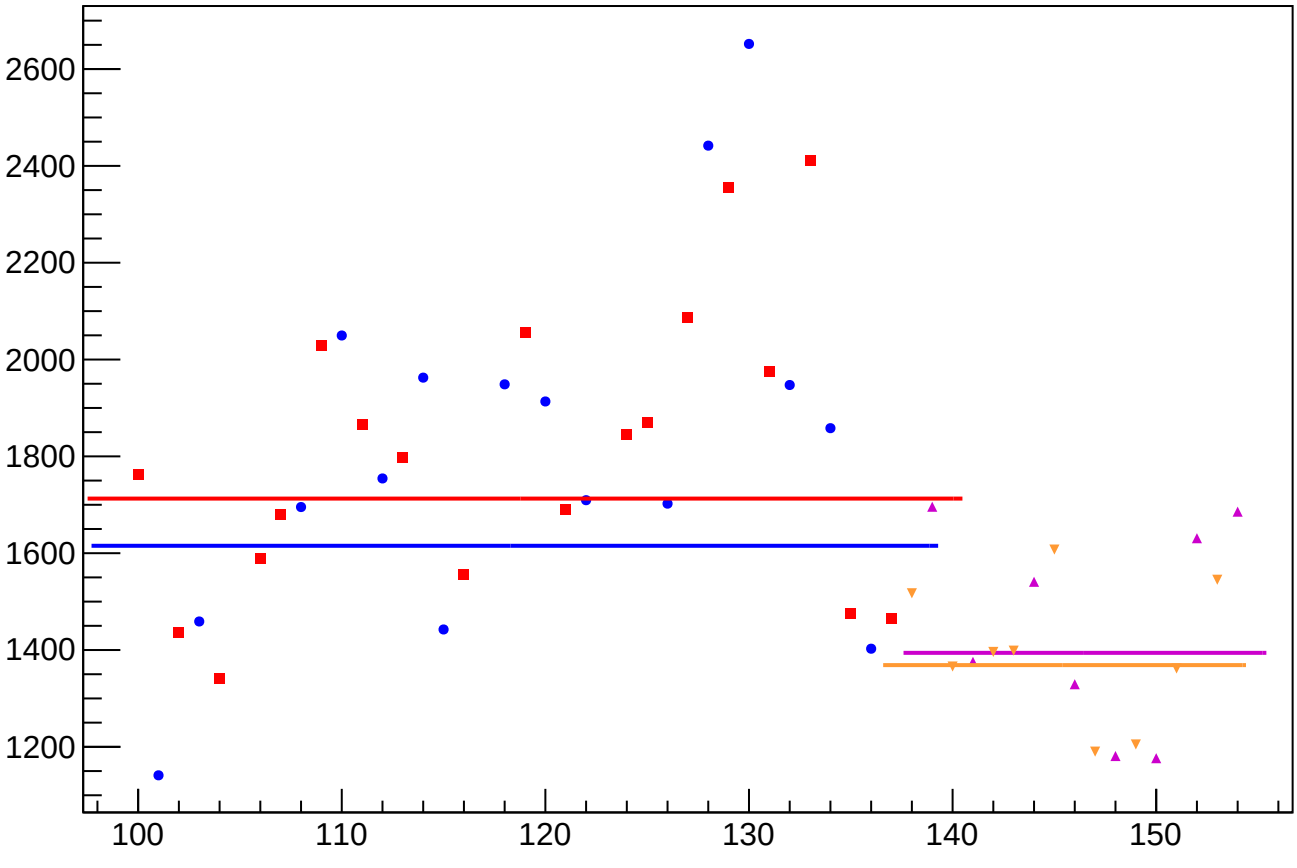
Left: 700.888+/-372.833 χ^2/NDF: 12.7/16

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

In: 49.389+/-403.717 χ^2/NDF:23.0/23

Out: 500.792+/-403.541 χ^2/NDF:25.2/27

All: 275.189+/-285.409 χ^2/NDF: 48.8/51



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: 1394.175+/-0.377 χ^2/NDF:278914.1/7

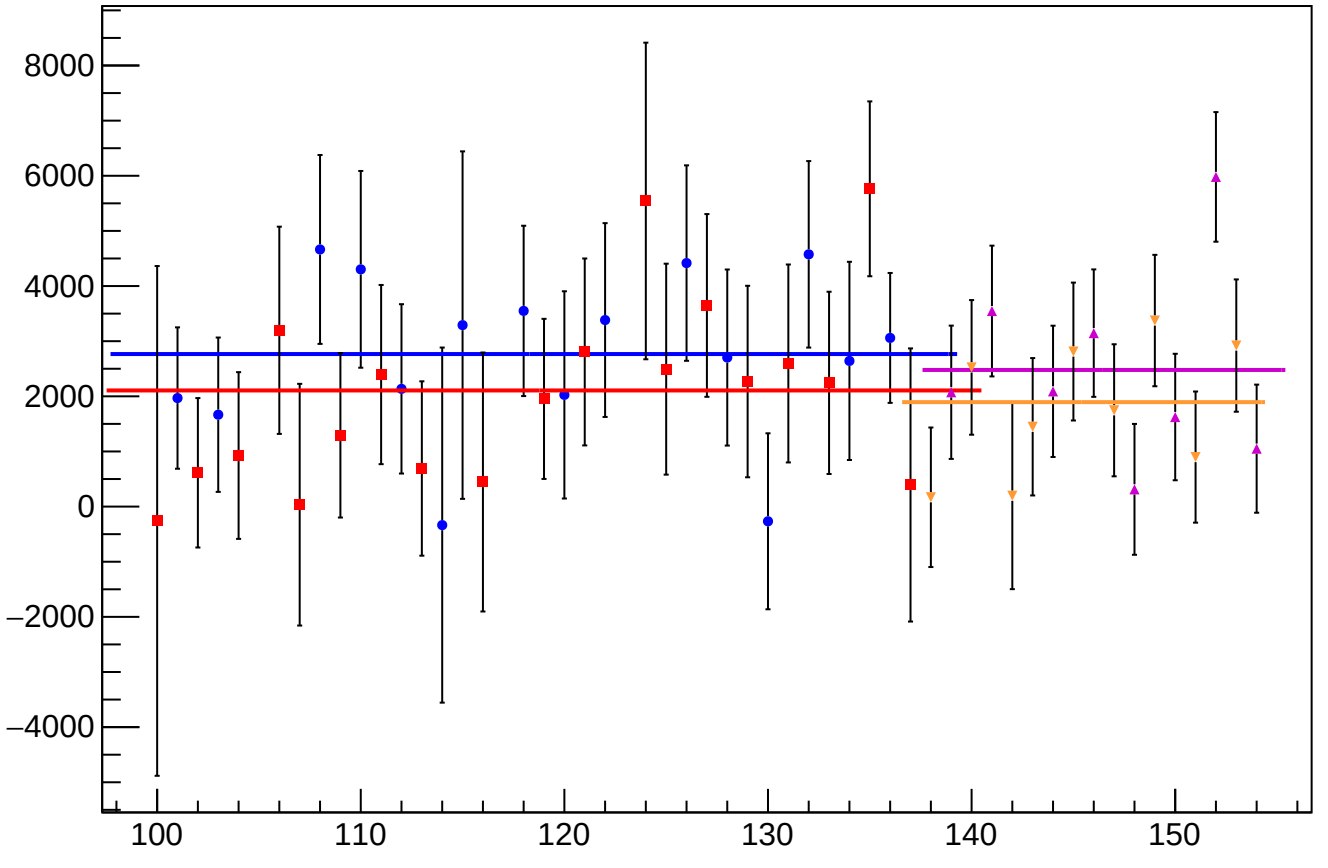
Left: 1381.234+/-0.264 χ^2/NDF: 421931.8/16

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

In: 1488.518+/-0.285 χ^2/NDF:1119334.7/23

Out: 1506.900+/-0.285 χ^2/NDF:917871.3/27

All: 1497.713+/-0.202 χ^2/NDF: 2039280.0/51



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: 2478.112+/-415.792 χ^2/NDF:15.6/7

Left: 2187.618+/-294.692 χ^2/NDF: 23.4/16

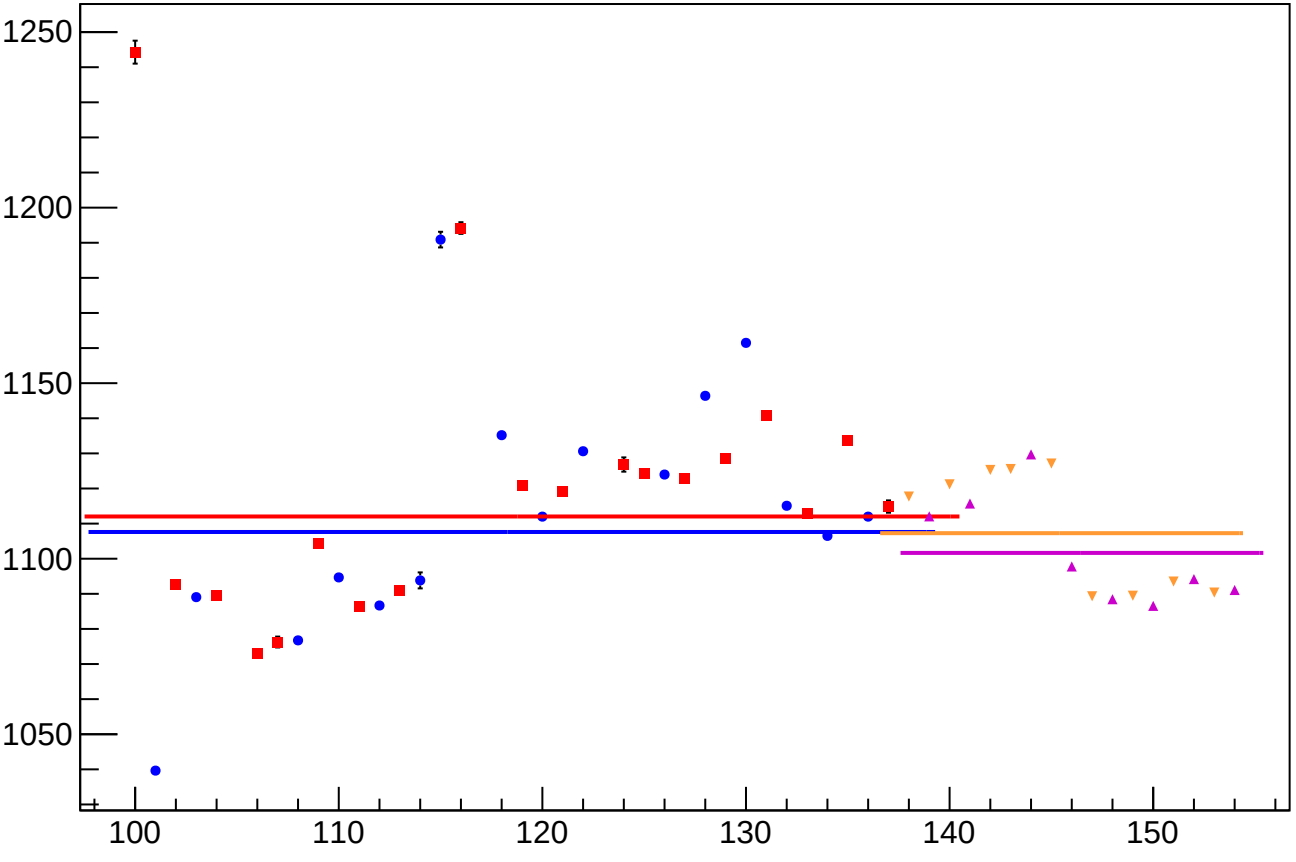
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2623.859+/-292.503 χ^2/NDF:26.2/23

Out: 2003.510+/-290.991 χ^2/NDF:20.3/27

All: 2312.077+/-206.294 χ^2/NDF: 48.7/51

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: 1101.652+/-0.294 χ^2/NDF:2402.0/7

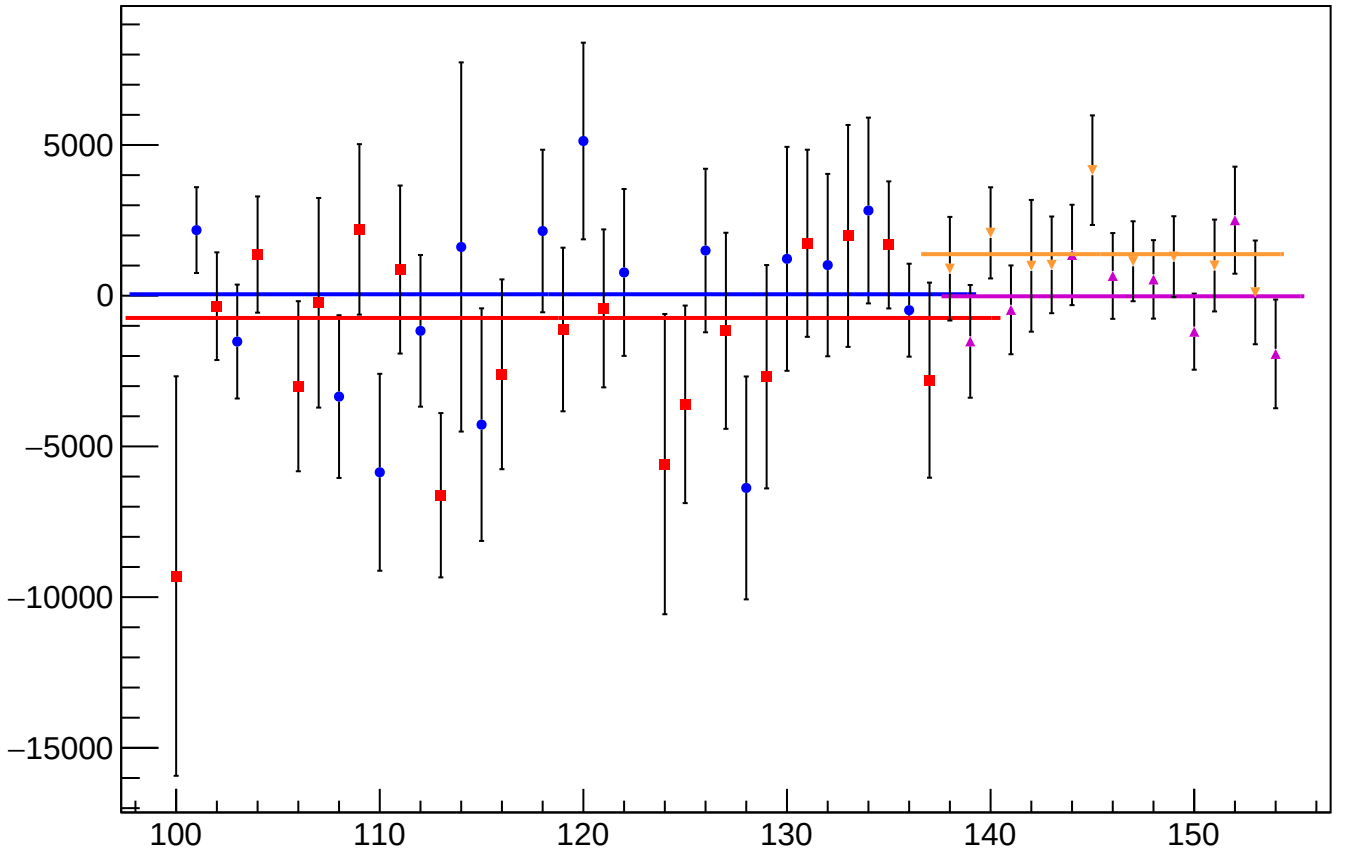
Left: 1104.452+/-0.208 χ^2/NDF: 5703.3/16

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

In: 1104.663+/-0.207 χ^2/NDF:15830.5/23

Out: 1109.723+/-0.206 χ^2/NDF:11905.7/27

All: 1107.206+/-0.146 χ^2/NDF: 28037.1/51



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: -19.128+/-538.888 χ^2/NDF:5.8/7

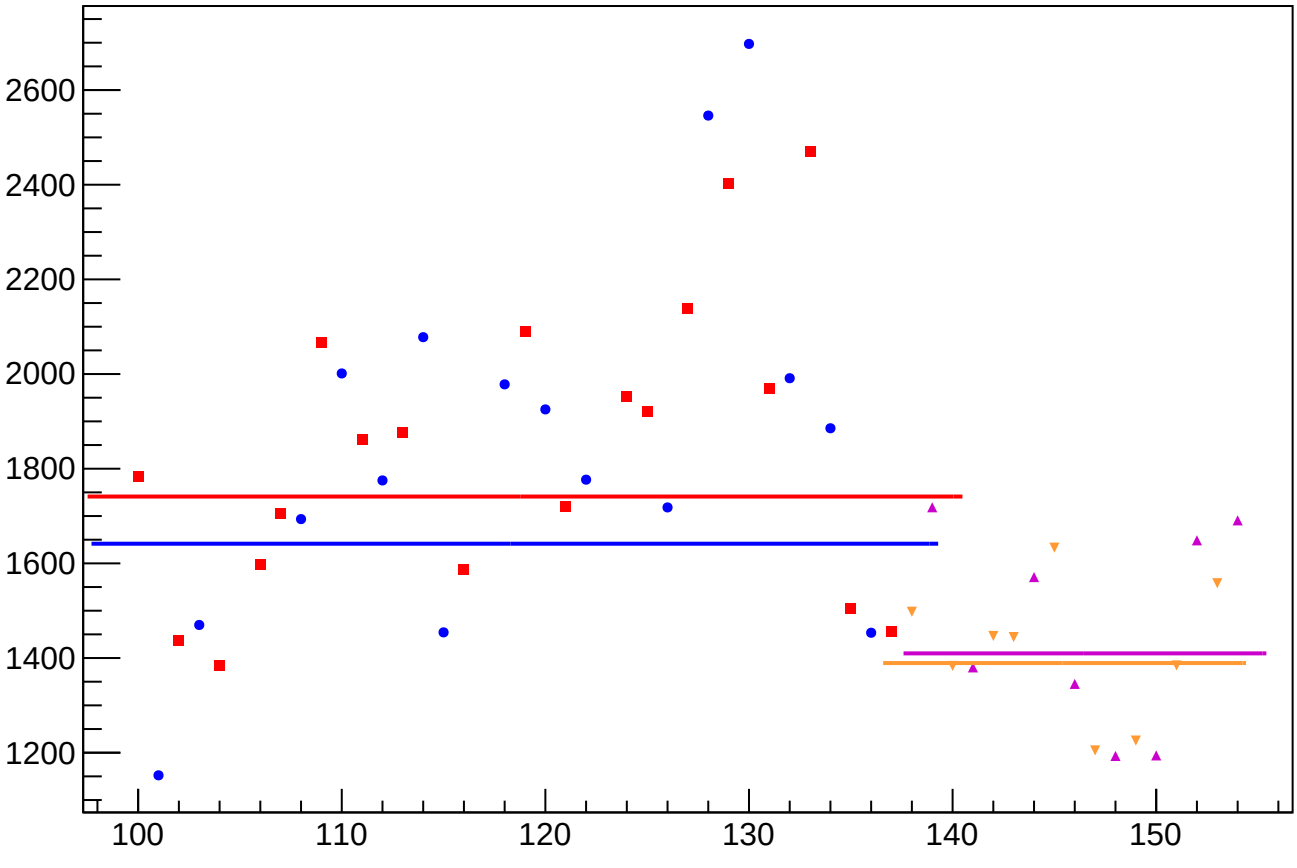
Left: 691.942+/-377.629 χ^2/NDF: 12.6/16

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 9.259+/-408.977 χ^2/NDF:22.7/23

Out: 530.749+/-409.894 χ^2/NDF:24.7/27

All: 269.420+/-289.514 χ^2/NDF: 48.2/51



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: 1409.846+/-0.381 χ^2/NDF:276650.0/7

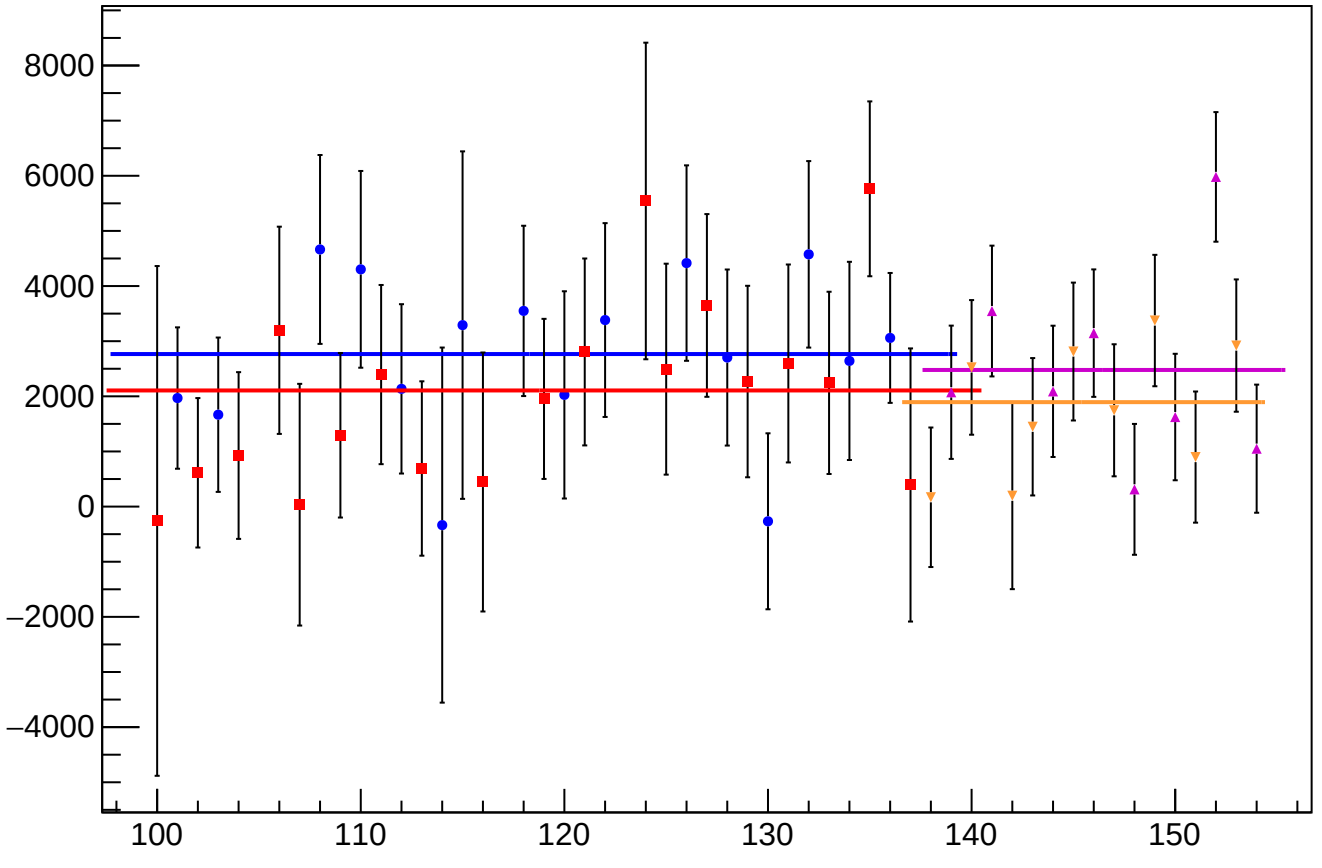
Left: 1399.442+/-0.267 χ^2/NDF: 413519.5/16

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

In: 1508.090+/-0.289 χ^2/NDF:1134726.9/23

Out: 1530.254+/-0.290 χ^2/NDF:927426.6/27

All: 1519.147+/-0.205 χ^2/NDF: 2065084.0/51



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: 2478.111+/-415.792 χ^2/NDF:15.6/7

Left: 2187.618+/-294.692 χ^2/NDF: 23.4/16

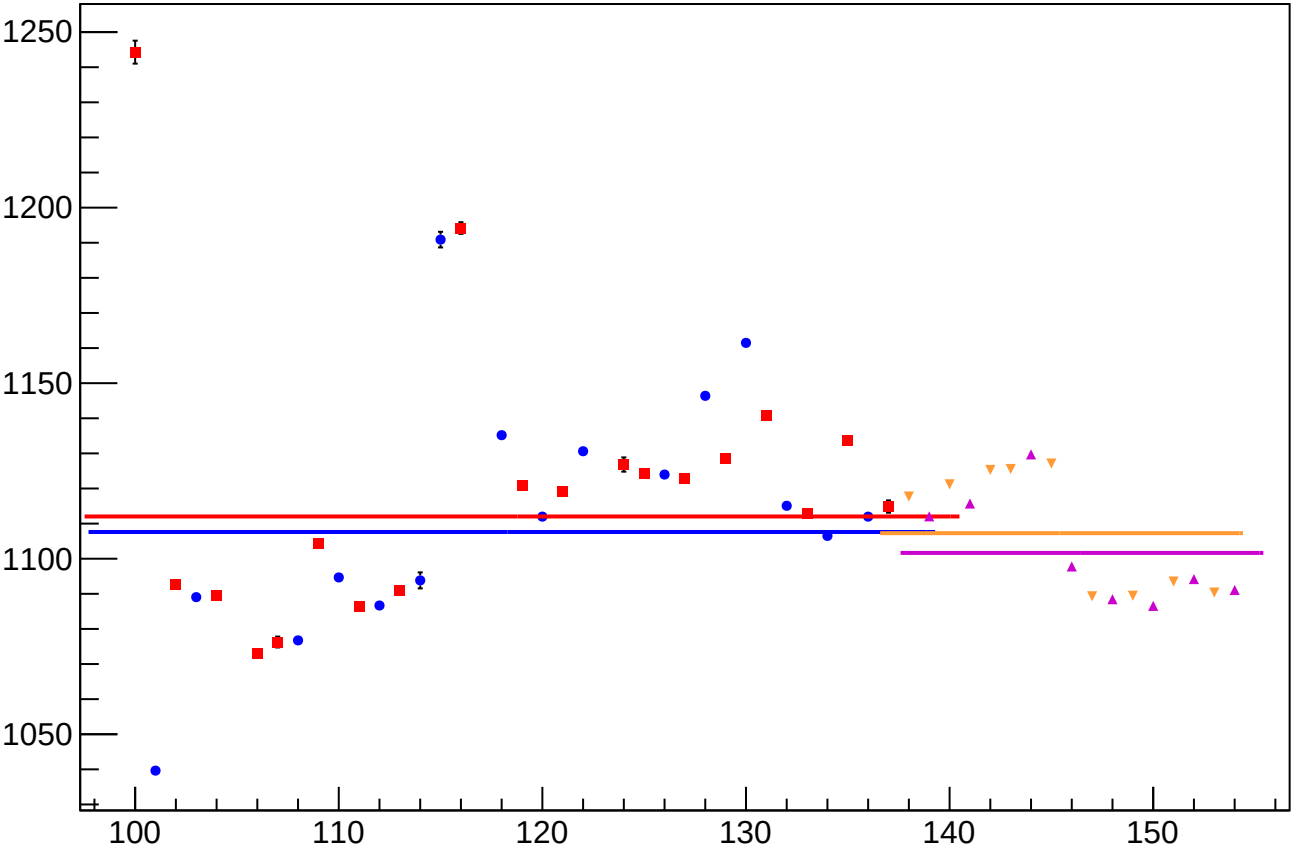
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2623.859+/-292.503 χ^2/NDF:26.2/23

Out: 2003.512+/-290.991 χ^2/NDF:20.3/27

All: 2312.077+/-206.294 χ^2/NDF: 48.7/51

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: 1101.652+/-0.294 χ^2/NDF:2402.0/7

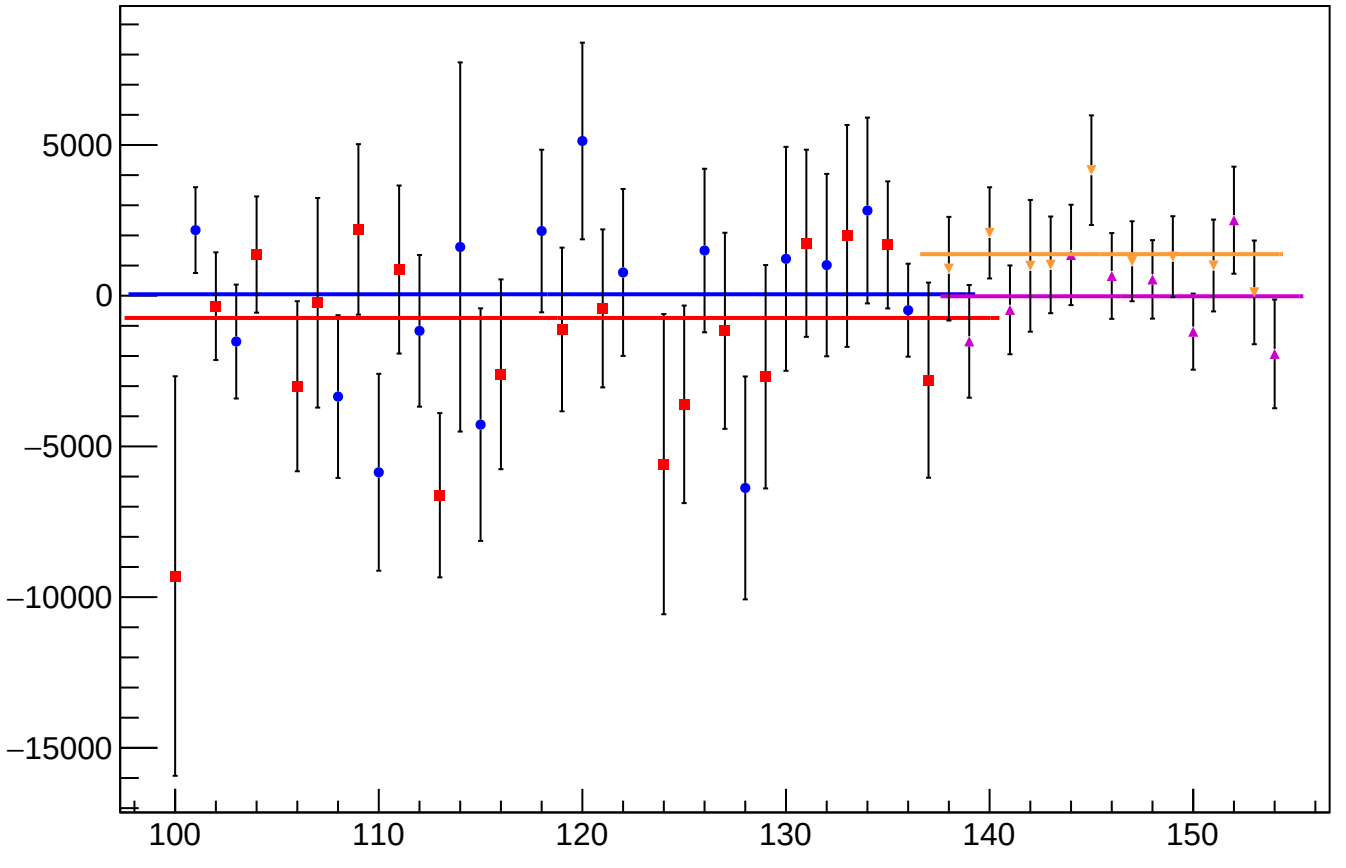
Left: 1104.452+/-0.208 χ^2/NDF: 5703.3/16

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

In: 1104.663+/-0.207 χ^2/NDF:15830.4/23

Out: 1109.723+/-0.206 χ^2/NDF:11905.7/27

All: 1107.206+/-0.146 χ^2/NDF: 28036.9/51



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: -19.128+/-538.889 χ^2/NDF:5.8/7

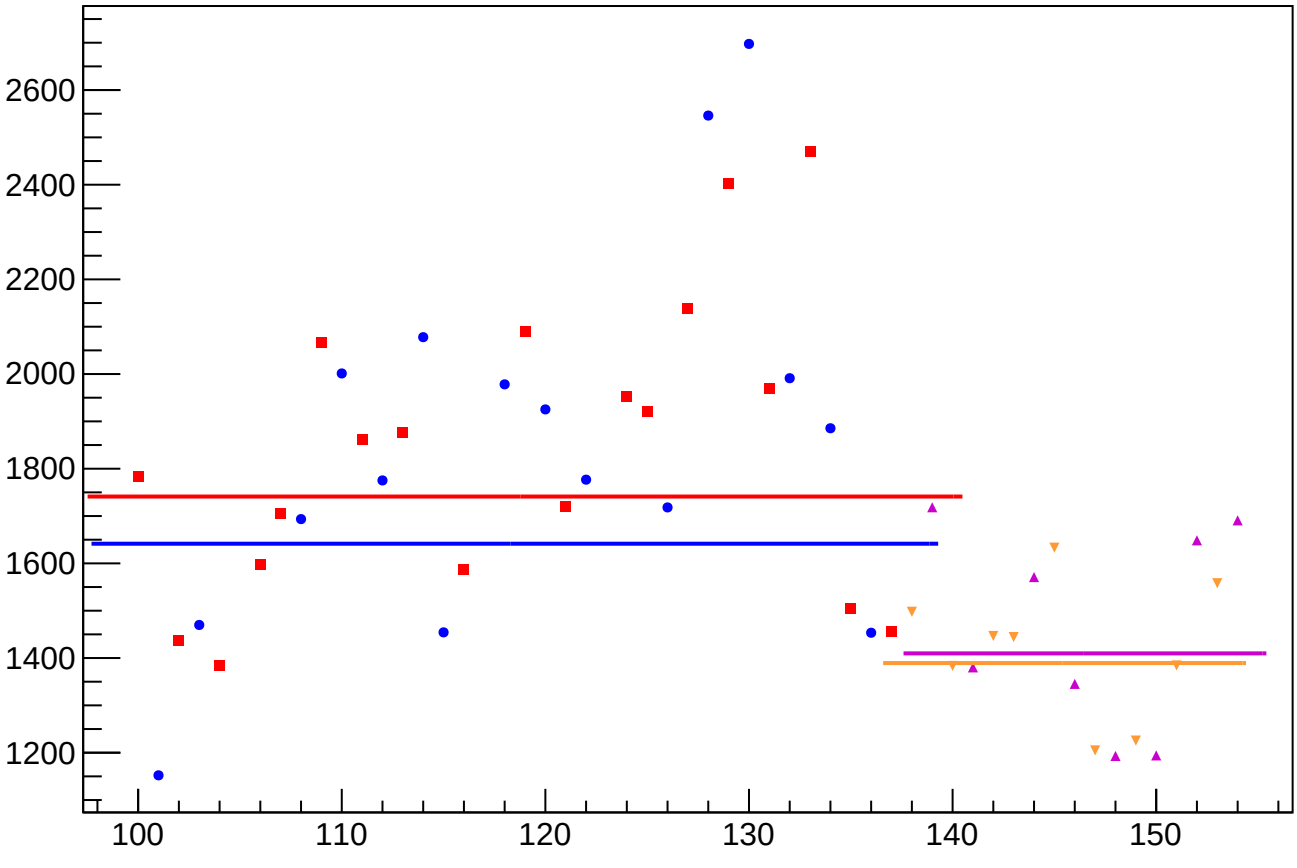
Left: 691.942+/-377.630 χ^2/NDF: 12.6/16

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

In: 9.257+/-408.977 χ^2/NDF:22.7/23

Out: 530.744+/-409.894 χ^2/NDF:24.7/27

All: 269.417+/-289.514 χ^2/NDF: 48.2/51



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: 1409.849+/-0.381 χ^2/NDF:276654.5/7

Left: 1399.445+/-0.267 χ^2/NDF: 413526.5/16

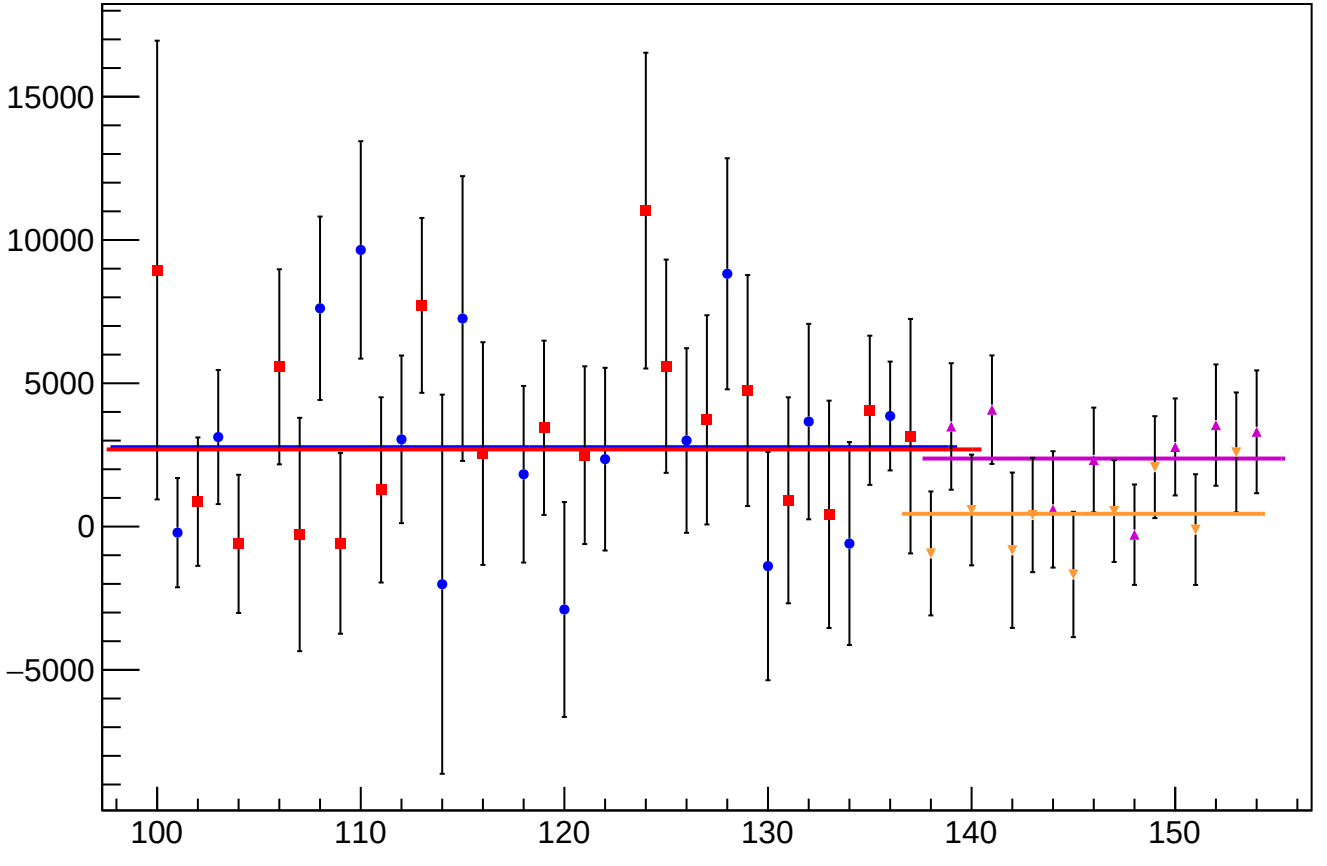
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1508.091+/-0.289 χ^2/NDF:1134712.3/23

Out: 1530.256+/-0.290 χ^2/NDF:927408.3/27

All: 1519.149+/-0.205 χ^2/NDF: 2065051.2/51

asym_usr_mean vs Slug, Sign Corrected



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: 2373.794+/-683.110 χ^2/NDF:4.7/7

Left: 1395.455+/-479.367 χ^2/NDF: 12.3/16

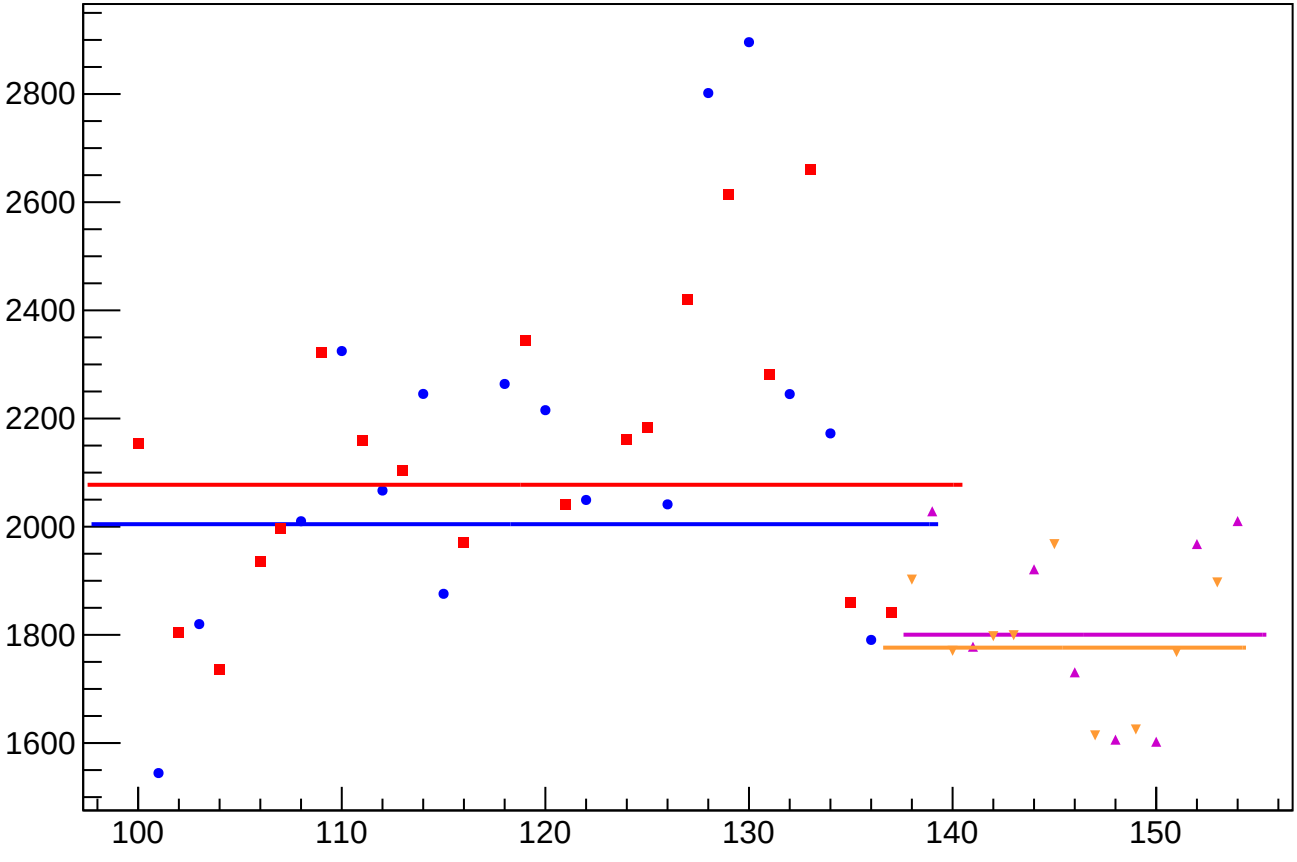
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2551.572+/-507.181 χ^2/NDF:21.3/23

Out: 1424.991+/-505.453 χ^2/NDF:20.9/27

All: 1986.359+/-358.019 χ^2/NDF: 44.7/51

asym_usr_rms vs Slug, Sign Corrected



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: 1800.303+/-0.483 χ^2/NDF:115307.1/7

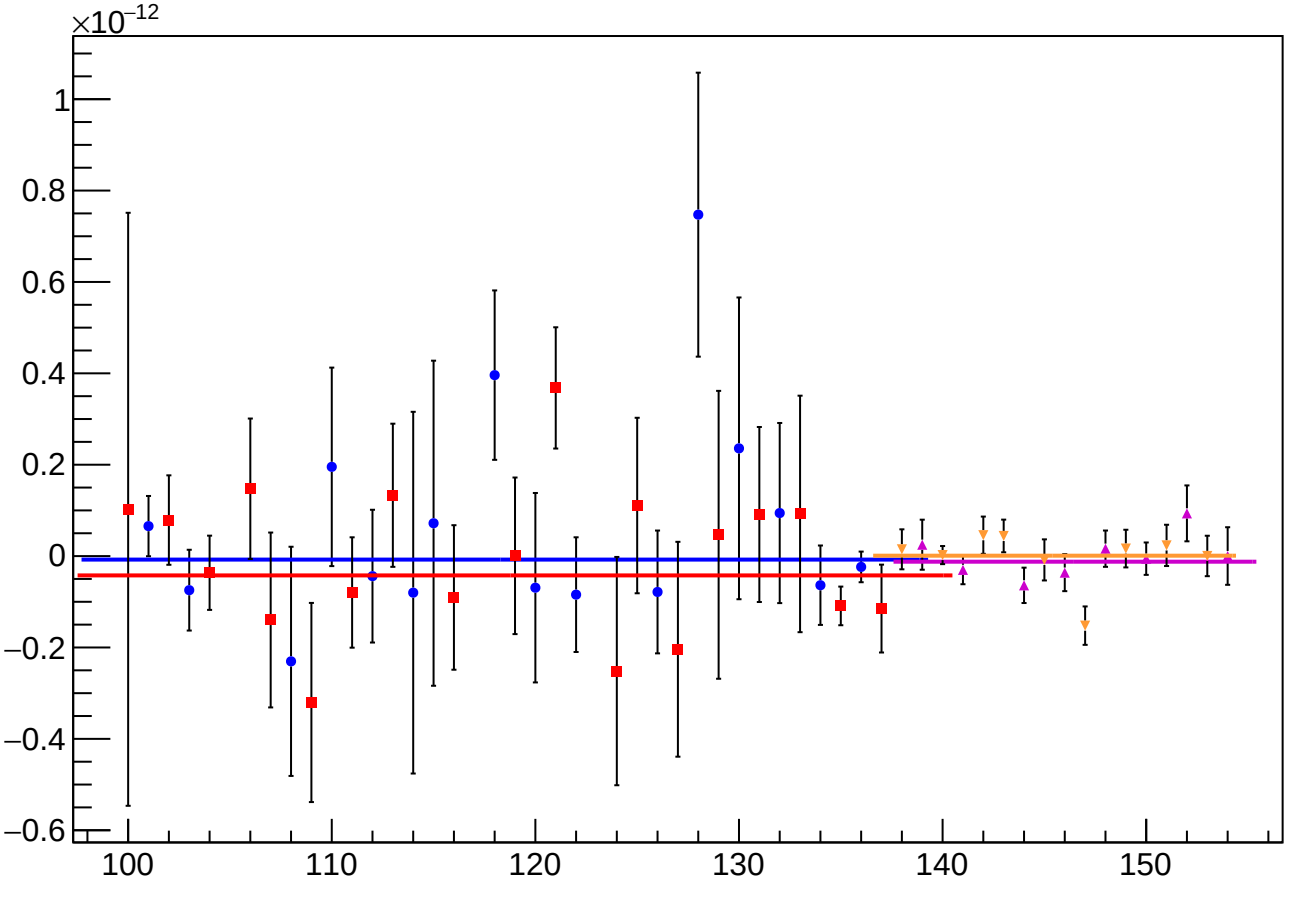
Left: 1788.160+/-0.339 χ^2/NDF: 176901.6/16

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

In: 1891.998+/-0.359 χ^2/NDF:583177.4/23

Out: 1907.577+/-0.357 χ^2/NDF:465352.0/27

All: 1899.814+/-0.253 χ^2/NDF: 1049476.1/51



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:6.5/7

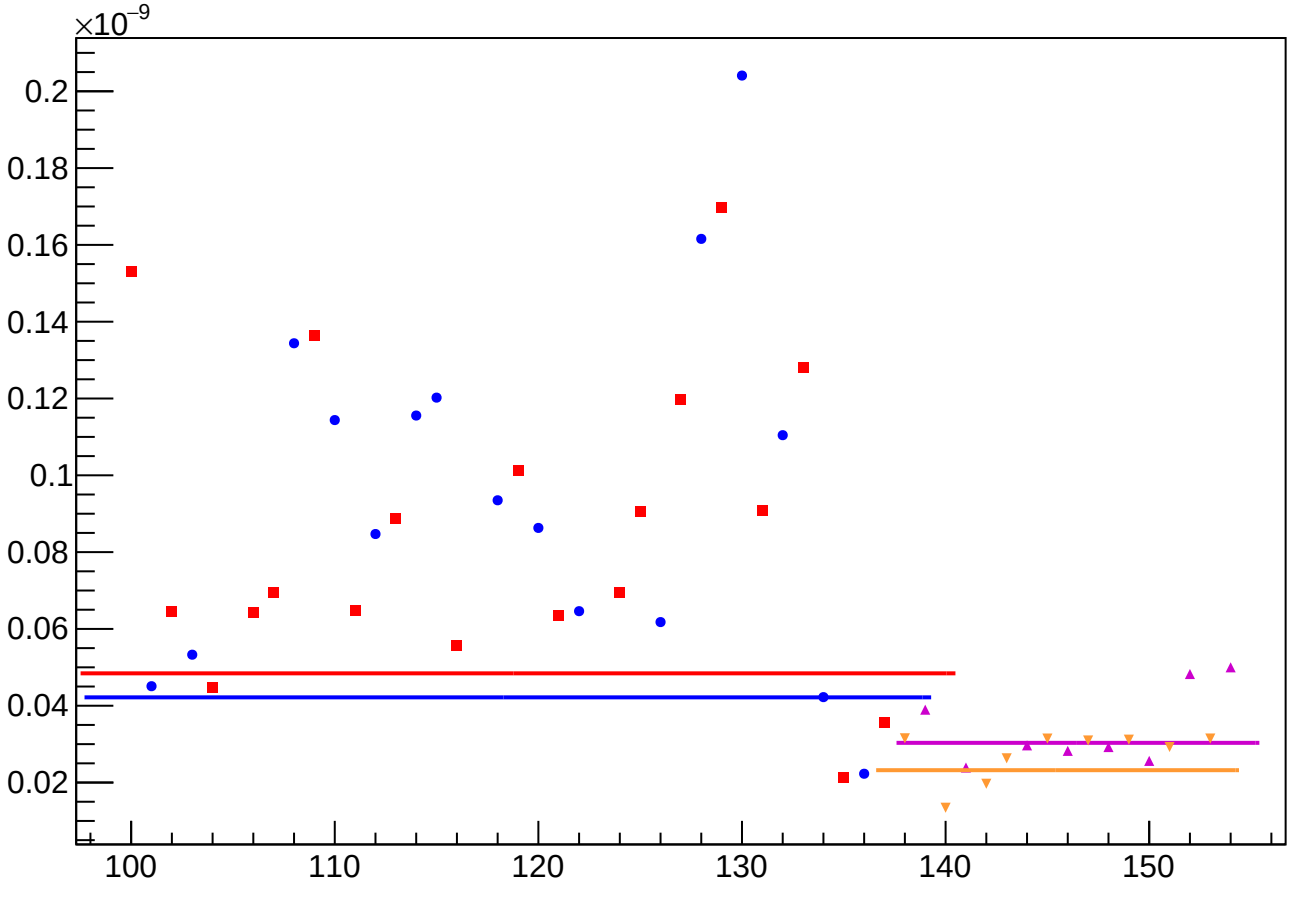
Left: -0.000+/-0.000 χ^2/NDF: 23.5/16

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

In: -0.000+/-0.000 χ^2/NDF:23.0/23

Out: -0.000+/-0.000 χ^2/NDF:40.4/27

All: -0.000+/-0.000 χ^2/NDF: 63.5/51



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:542165.6/7

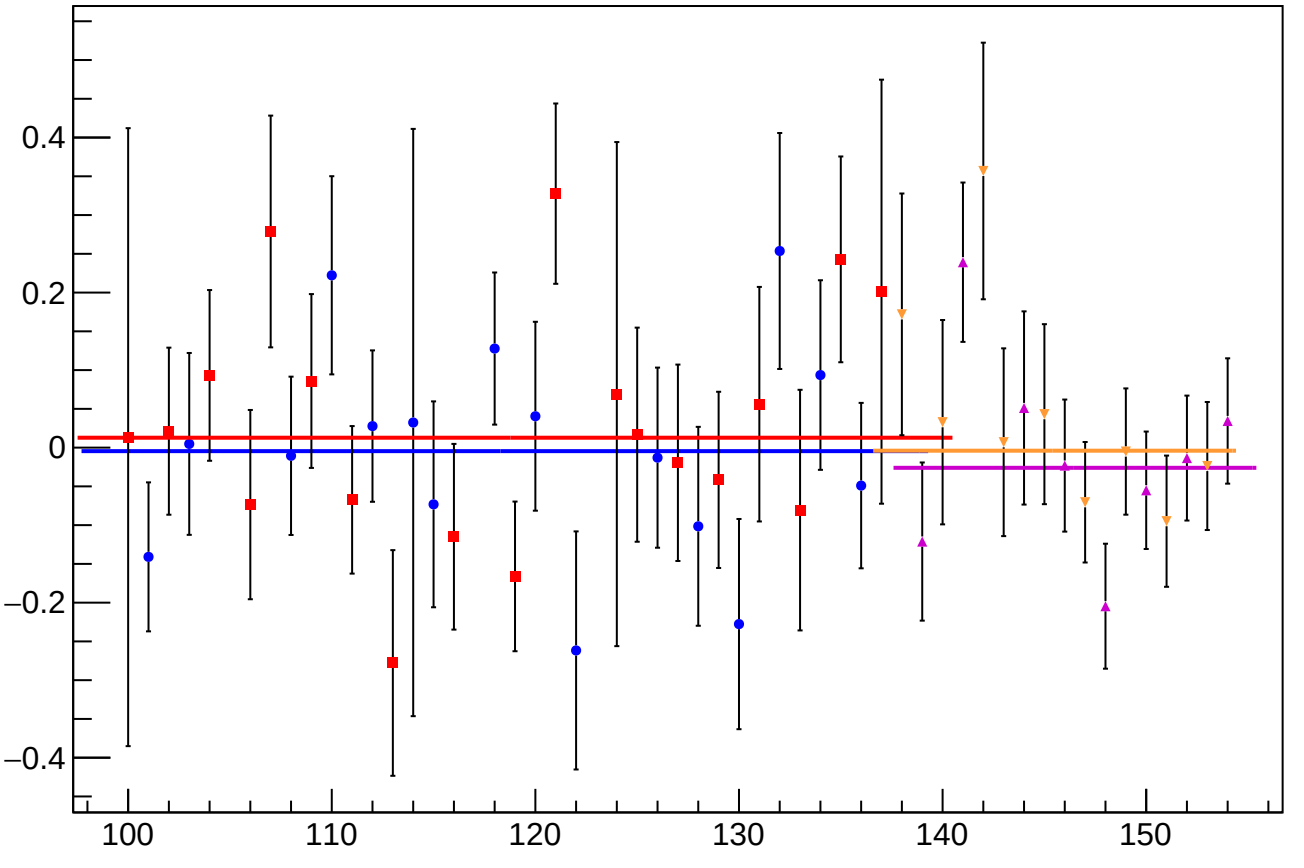
Left: 0.000+/-0.000 χ^2/NDF: 1728397.4/16

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

In: 0.000+/-0.000 χ^2/NDF:3822688.5/23

Out: 0.000+/-0.000 χ^2/NDF:4969916.3/27

All: 0.000+/-0.000 χ^2/NDF: 9074071.4/51



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: -0.026+/-0.031 χ^2/NDF:13.5/7

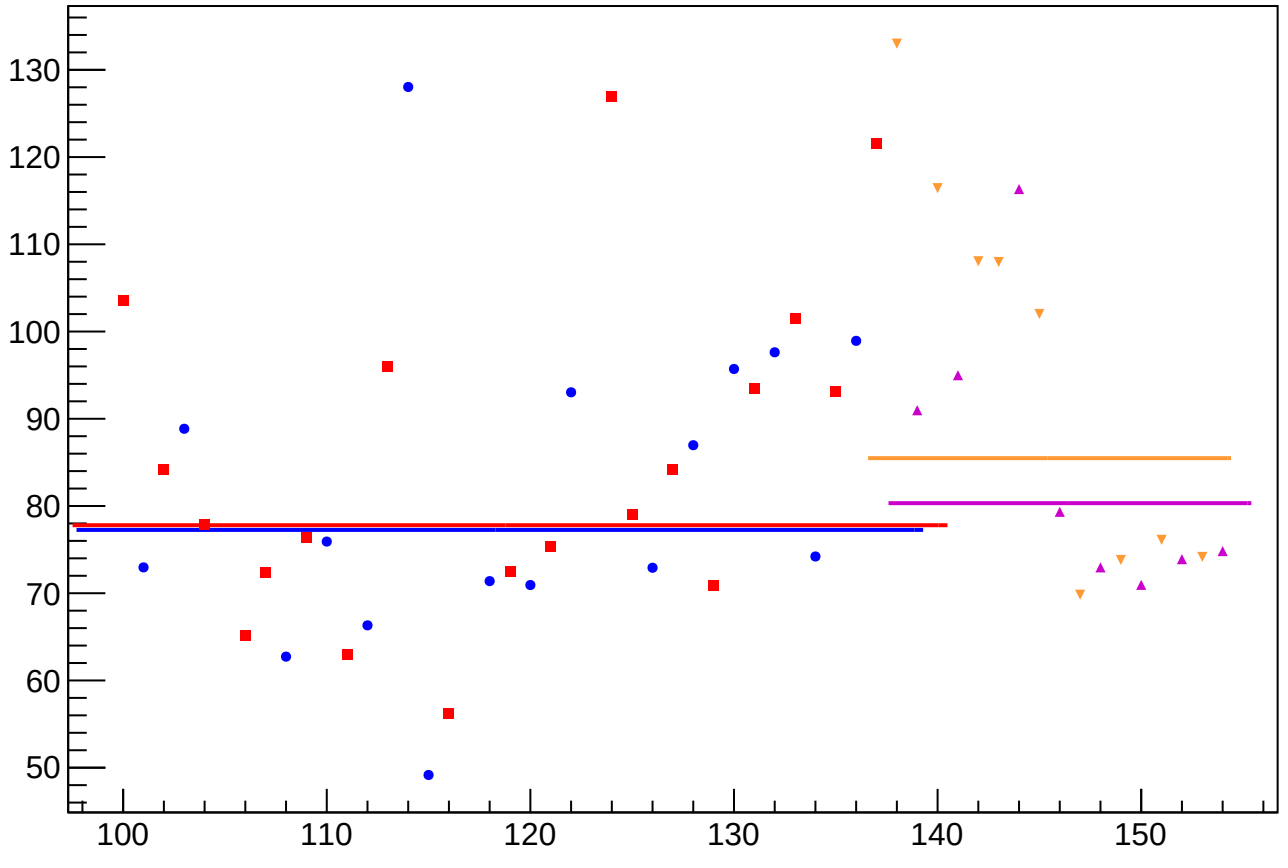
Left: -0.016+/-0.023 χ^2/NDF: 22.0/16

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.022 χ^2/NDF:31.1/23

Out: 0.005+/-0.022 χ^2/NDF:33.8/27

All: -0.005+/-0.016 χ^2/NDF: 65.4/51



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: 80.325+/-0.022 χ^2/NDF:298977.1/7

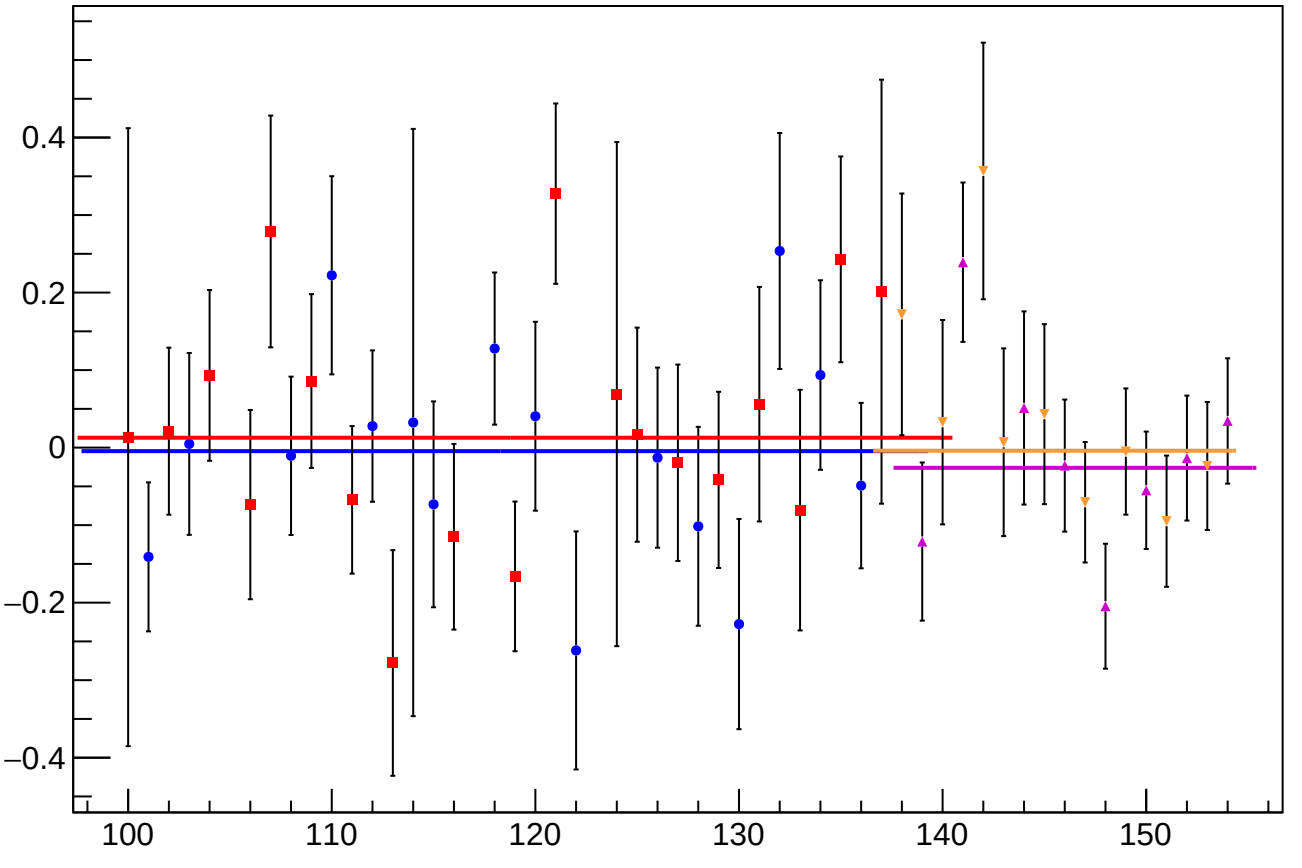
Left: 82.705+/-0.016 χ^2/NDF: 951326.2/16

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

In: 78.735+/-0.015 χ^2/NDF:728293.0/23

Out: 81.160+/-0.016 χ^2/NDF:1082121.6/27

All: 79.911+/-0.011 χ^2/NDF: 1822600.0/51



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: -0.026+/-0.031 χ^2/NDF:13.5/7

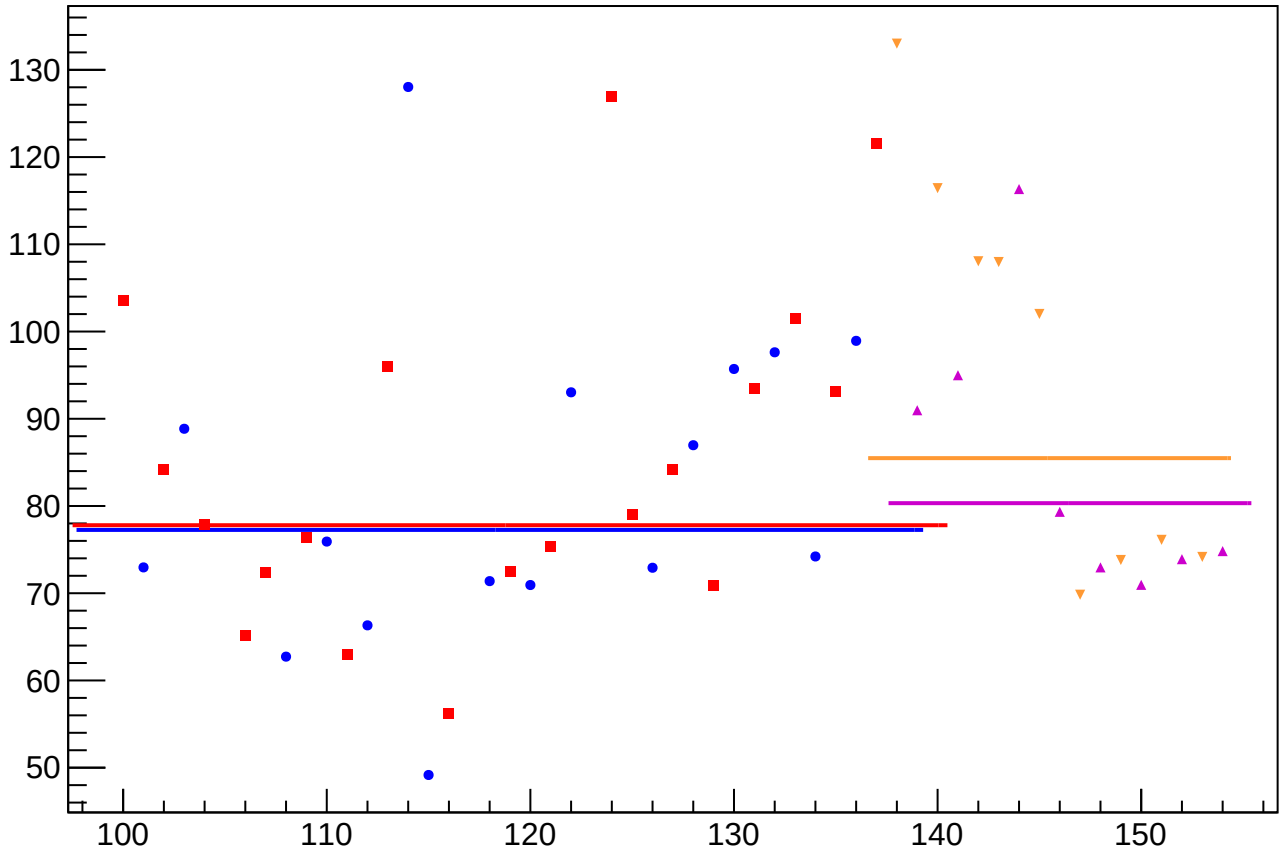
Left: -0.016+/-0.023 χ^2/NDF: 22.0/16

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.022 χ^2/NDF:31.1/23

Out: 0.005+/-0.022 χ^2/NDF:33.8/27

All: -0.005+/-0.016 χ^2/NDF: 65.4/51



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: 80.325+/-0.022 χ^2/NDF:298977.1/7

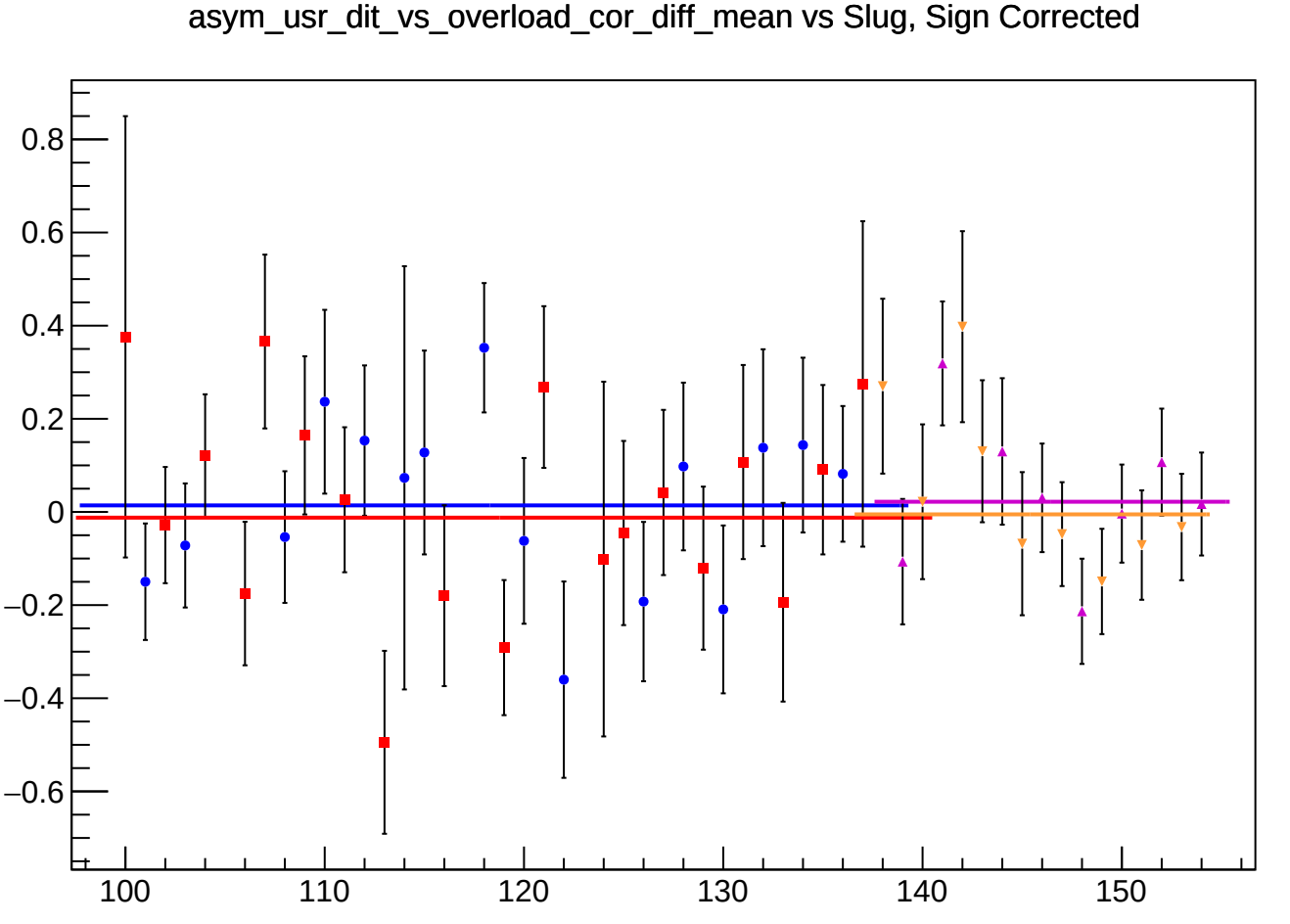
Left: 82.705+/-0.016 χ^2/NDF: 951326.2/16

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

In: 78.735+/-0.015 χ^2/NDF:728293.0/23

Out: 81.160+/-0.016 χ^2/NDF:1082121.6/27

All: 79.911+/-0.011 χ^2/NDF: 1822600.0/51



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: 0.022+/-0.043 χ^2/NDF:11.3/7

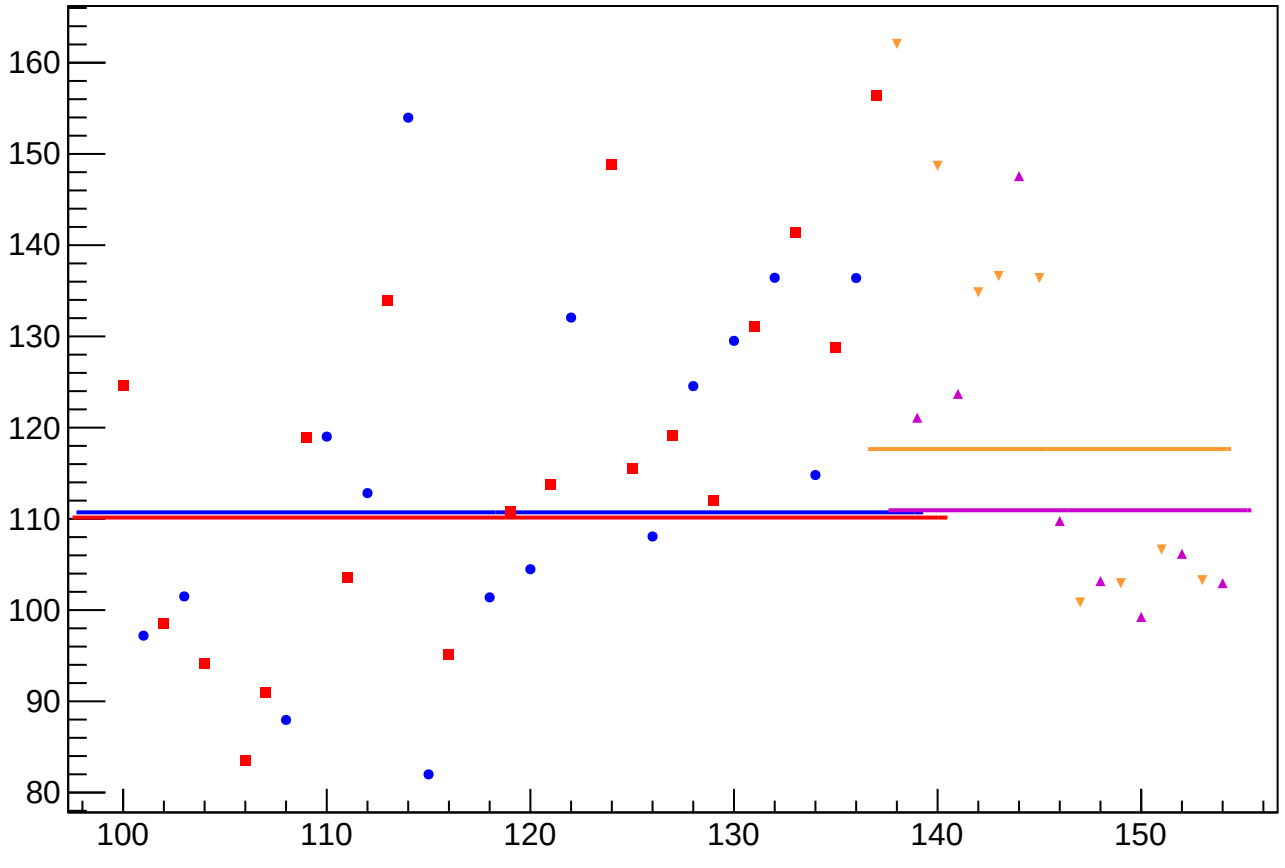
Left: 0.009+/-0.031 χ^2/NDF: 20.6/16

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.018+/-0.030 χ^2/NDF:29.5/23

Out: -0.009+/-0.031 χ^2/NDF:32.9/27

All: 0.005+/-0.021 χ^2/NDF: 62.8/51



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: 110.939+/-0.030 χ^2/NDF:186538.0/7

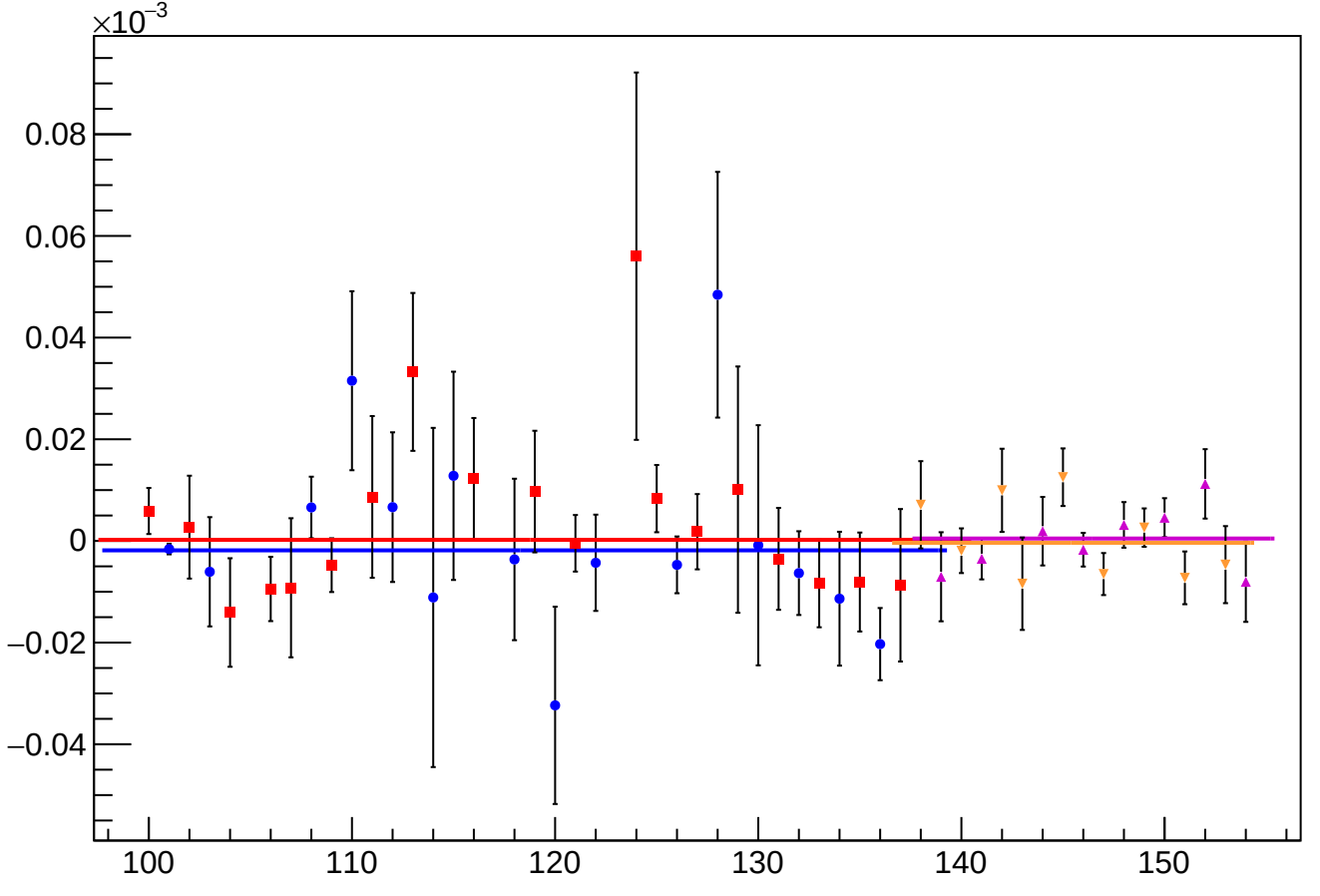
Left: 114.068+/-0.022 χ^2/NDF: 594719.5/16

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

In: 110.826+/-0.021 χ^2/NDF:486538.9/23

Out: 113.532+/-0.022 χ^2/NDF:741529.4/27

All: 112.152+/-0.015 χ^2/NDF: 1236040.1/51



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:7.3/7

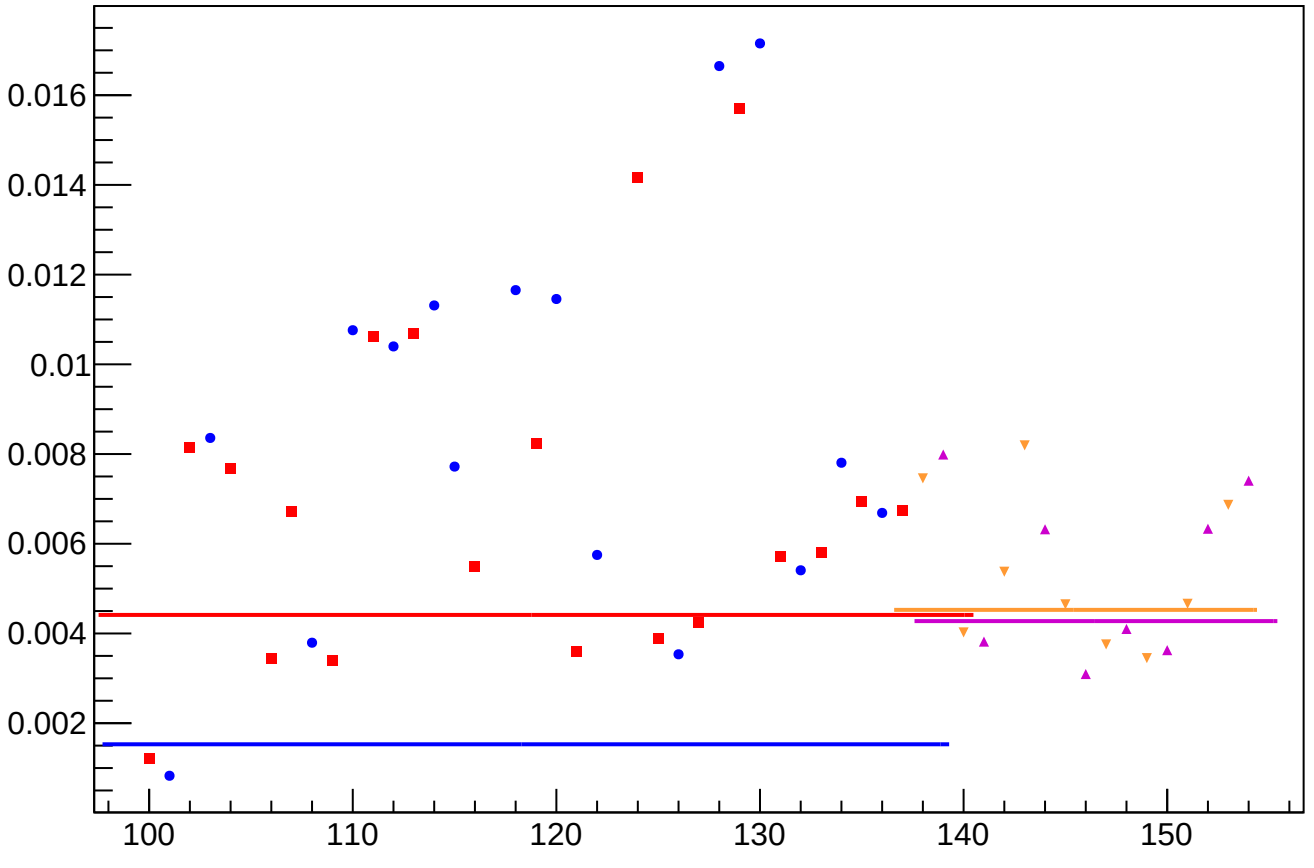
Left: 0.000+/-0.000 χ^2/NDF: 20.8/16

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

In: -0.000+/-0.000 χ^2/NDF:30.1/23

Out: -0.000+/-0.000 χ^2/NDF:33.3/27

All: -0.000+/-0.000 χ^2/NDF: 64.0/51



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:1378724.2/7

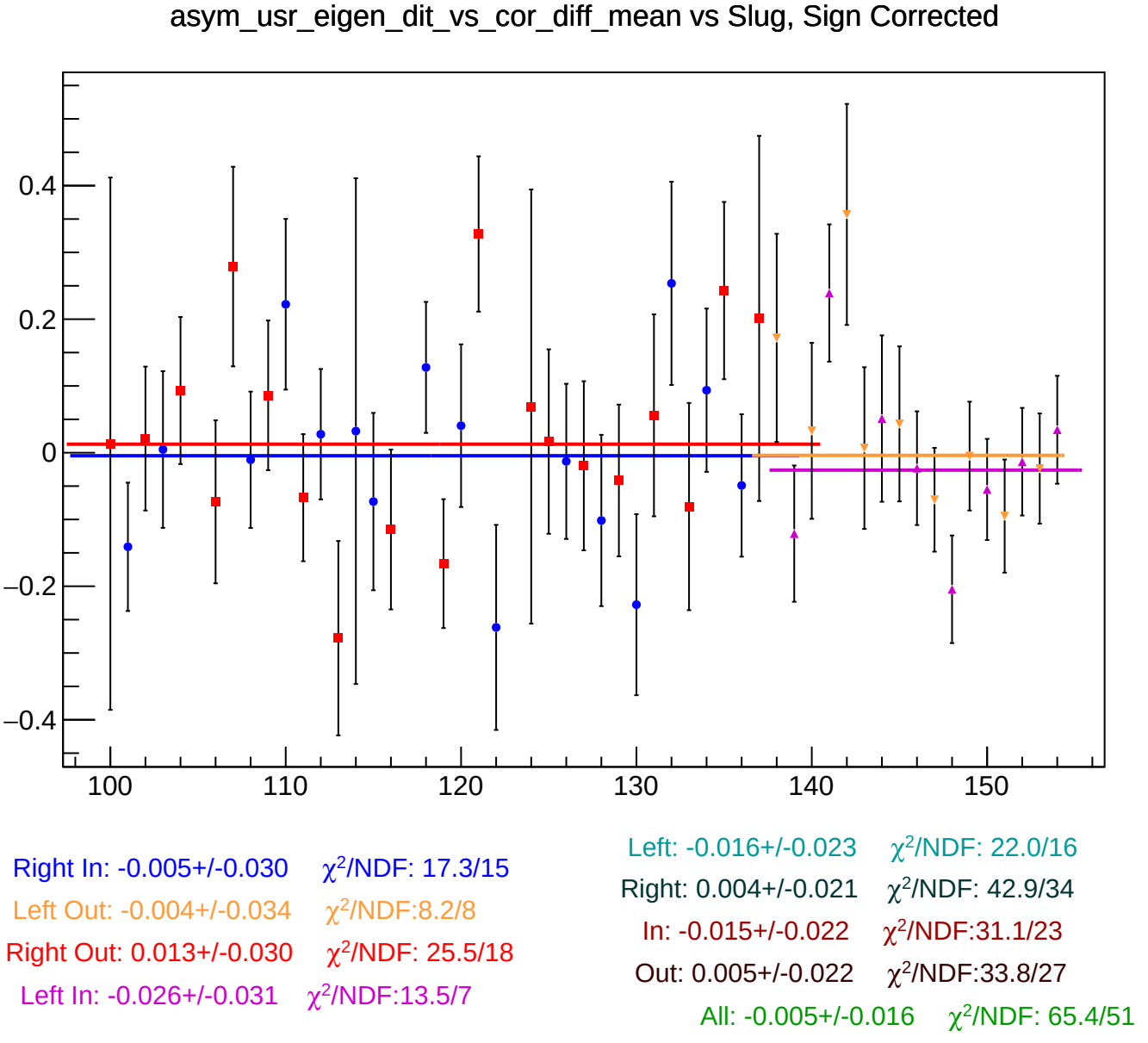
Left: 0.004+/-0.000 χ^2/NDF: 2430520.9/16

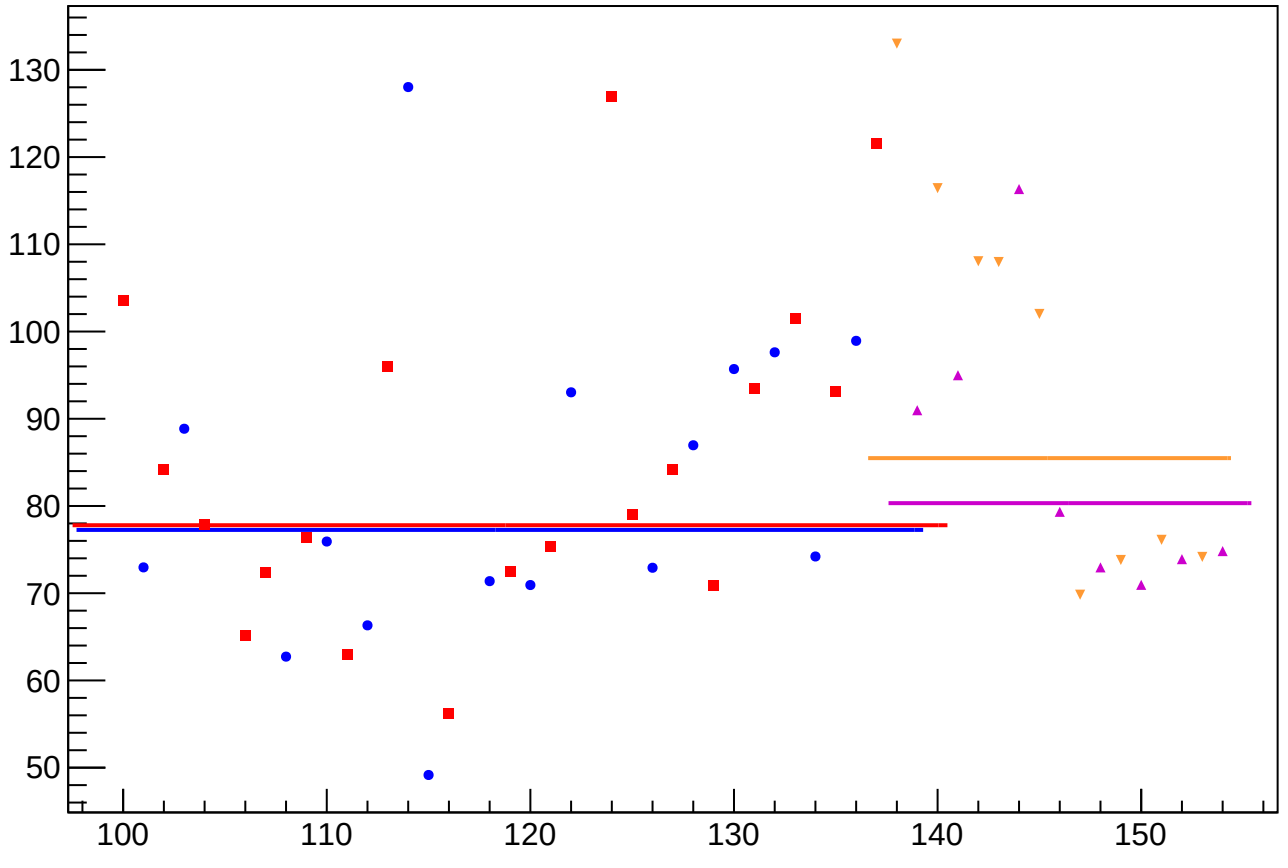
Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.002+/-0.000 χ^2/NDF:14496212.9/23

Out: 0.004+/-0.000 χ^2/NDF:4423244.5/27

All: 0.003+/-0.000 χ^2/NDF: 23135967.2/51


asym_usr_eigen_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: -0.005+/-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: -0.026+/-0.031 χ²/NDF:13.5/7
Left: -0.016+/-0.023 χ²/NDF: 22.0/16
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.015+/-0.022 χ²/NDF:31.1/23
Out: 0.005+/-0.022 χ²/NDF:33.8/27
All: -0.005+/-0.016 χ²/NDF: 65.4/51



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: 80.325+/-0.022 χ^2/NDF:298983.2/7

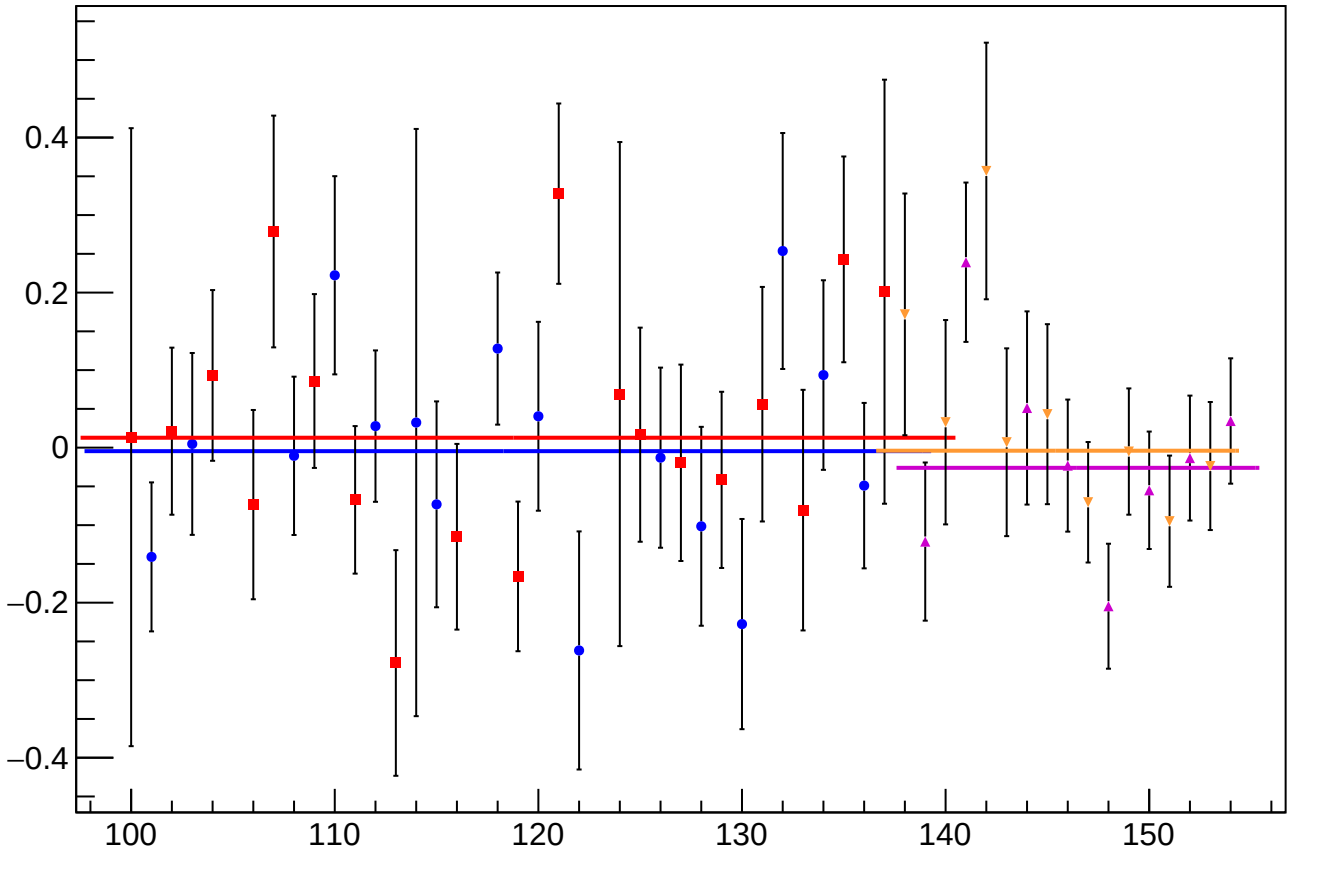
Left: 82.706+/-0.016 χ^2/NDF: 951339.3/16

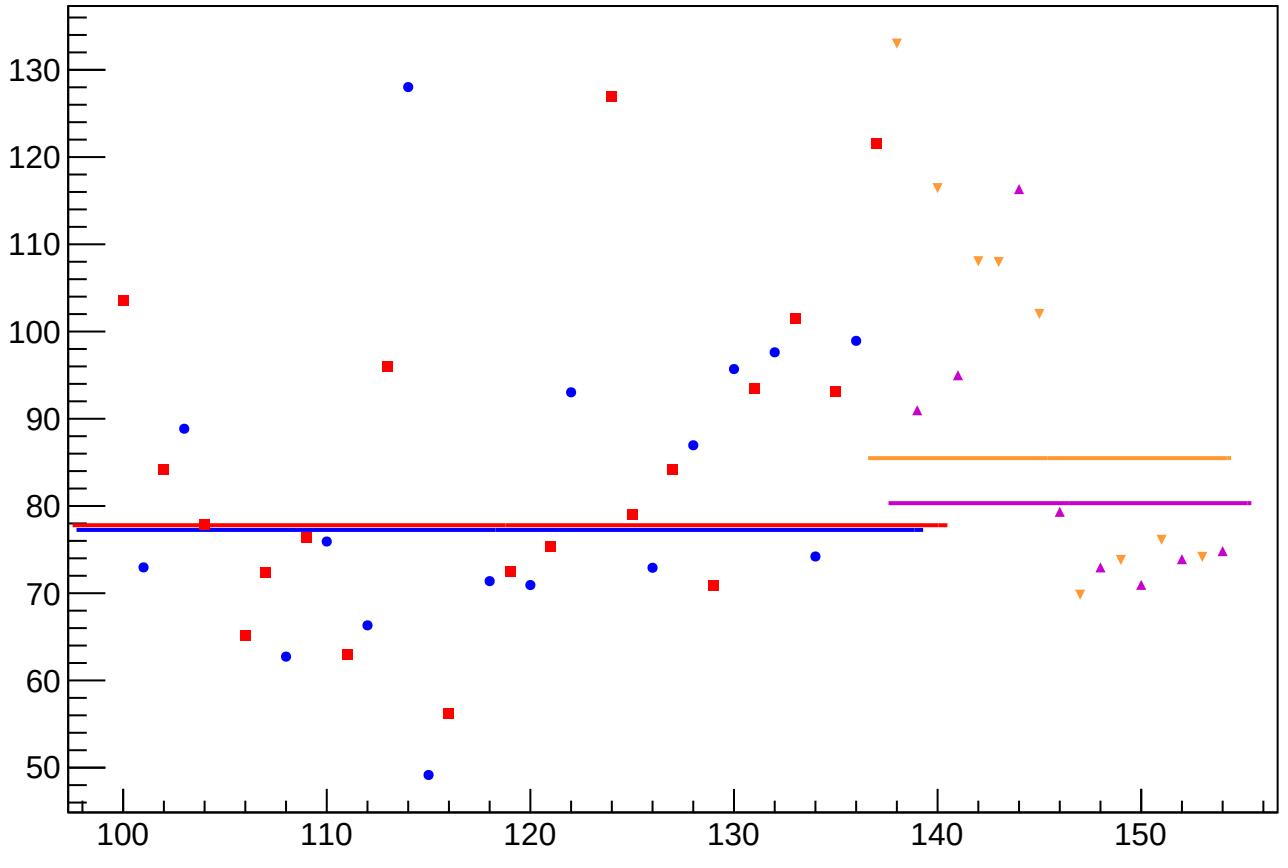
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.734+/-0.015 χ^2/NDF:728296.9/23

Out: 81.159+/-0.016 χ^2/NDF:1082152.7/27

All: 79.911+/-0.011 χ^2/NDF: 1822634.3/51


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
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: -0.026+/-0.031 χ²/NDF:13.5/7
Left: -0.016+/-0.023 χ²/NDF: 22.0/16
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.015+/-0.022 χ²/NDF:31.1/23
Out: 0.005+/-0.022 χ²/NDF:33.8/27
All: -0.005+/-0.016 χ²/NDF: 65.4/51



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: 80.325+/-0.022 χ^2/NDF:298983.2/7

Left: 82.706+/-0.016 χ^2/NDF: 951339.3/16

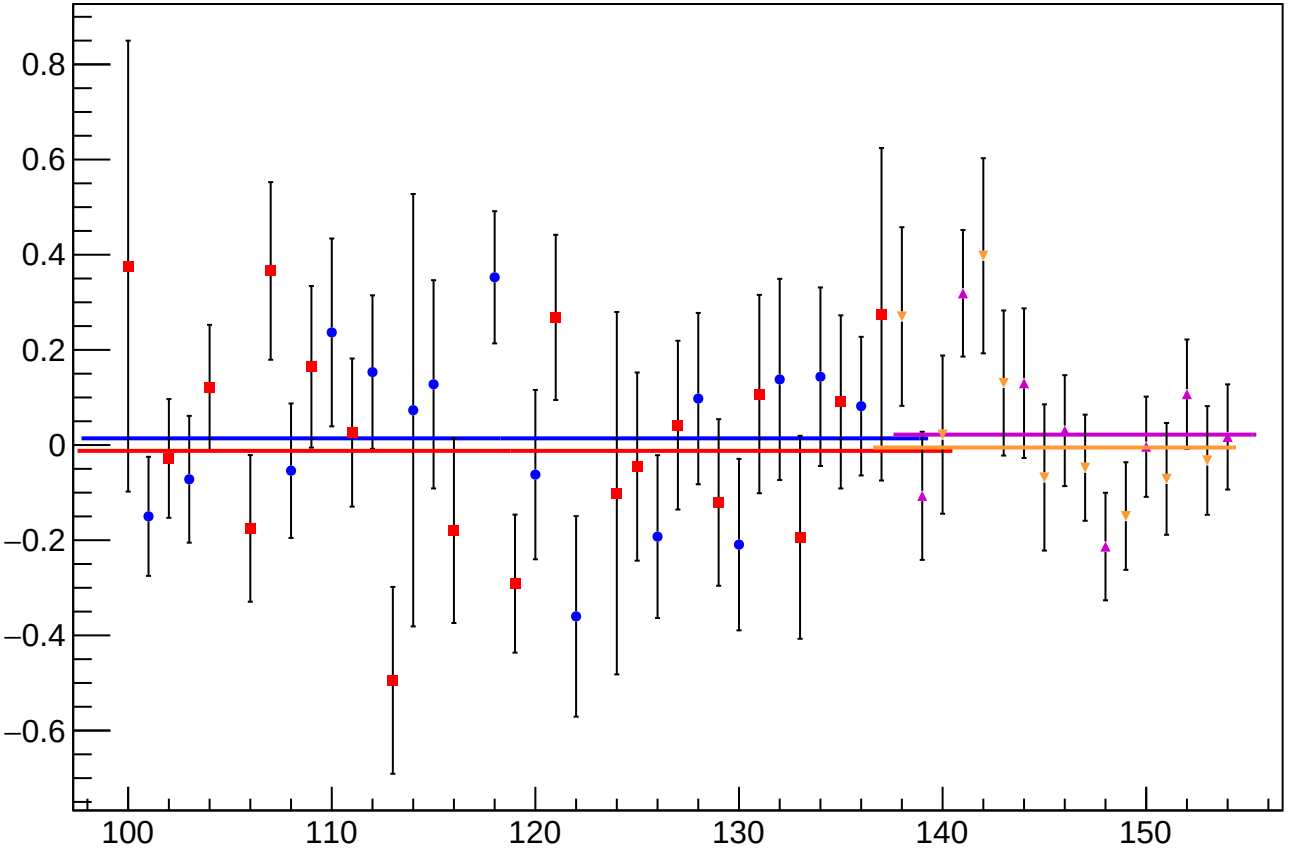
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.734+/-0.015 χ^2/NDF:728296.9/23

Out: 81.159+/-0.016 χ^2/NDF:1082152.7/27

All: 79.911+/-0.011 χ^2/NDF: 1822634.3/51

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.005+/-0.046 χ^2/NDF:9.1/8

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.022+/-0.043 χ^2/NDF:11.3/7

Left: 0.009+/-0.031 χ^2/NDF: 20.6/16

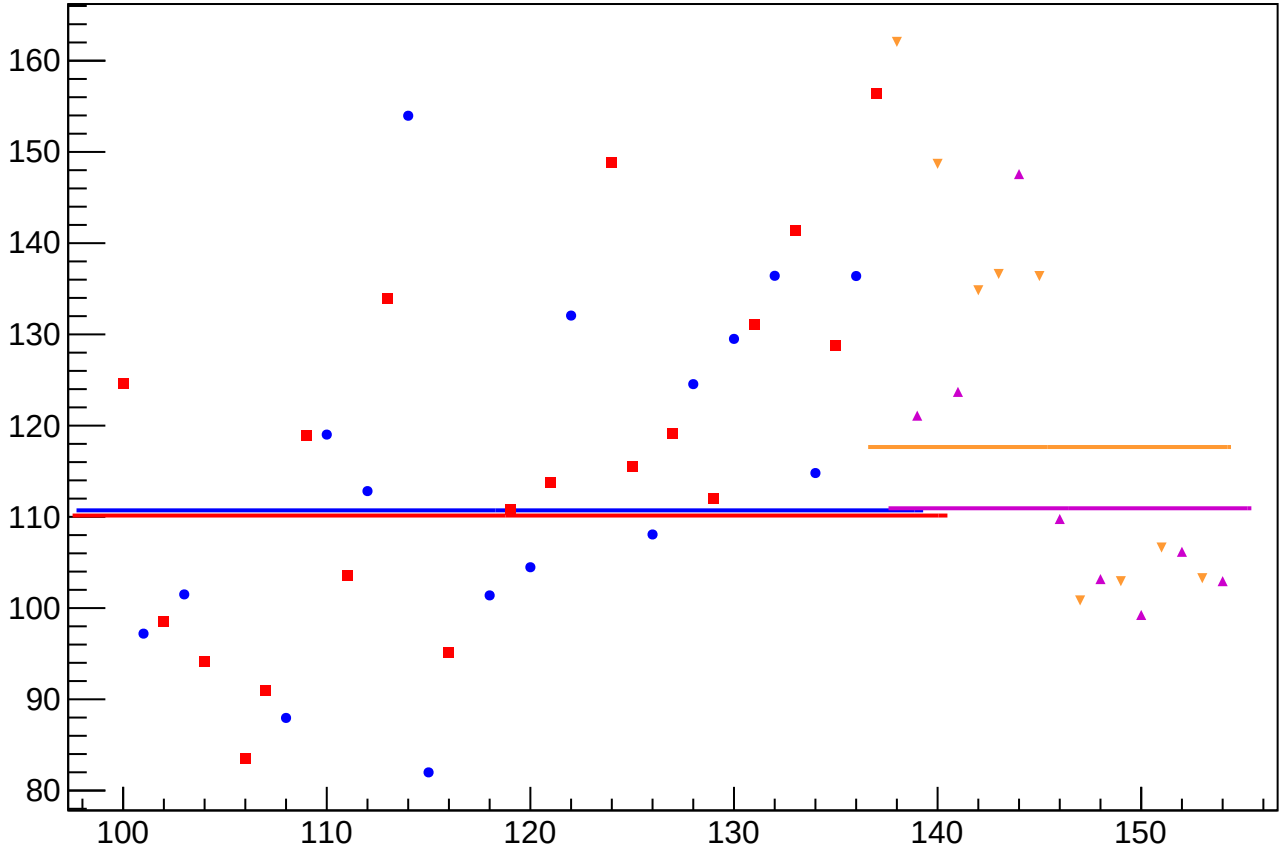
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.018+/-0.030 χ^2/NDF:29.5/23

Out: -0.009+/-0.031 χ^2/NDF:32.9/27

All: 0.005+/-0.021 χ^2/NDF: 62.8/51

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 117.655+/-0.032 χ^2/NDF:384996.0/8

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.939+/-0.030 χ^2/NDF:186542.6/7

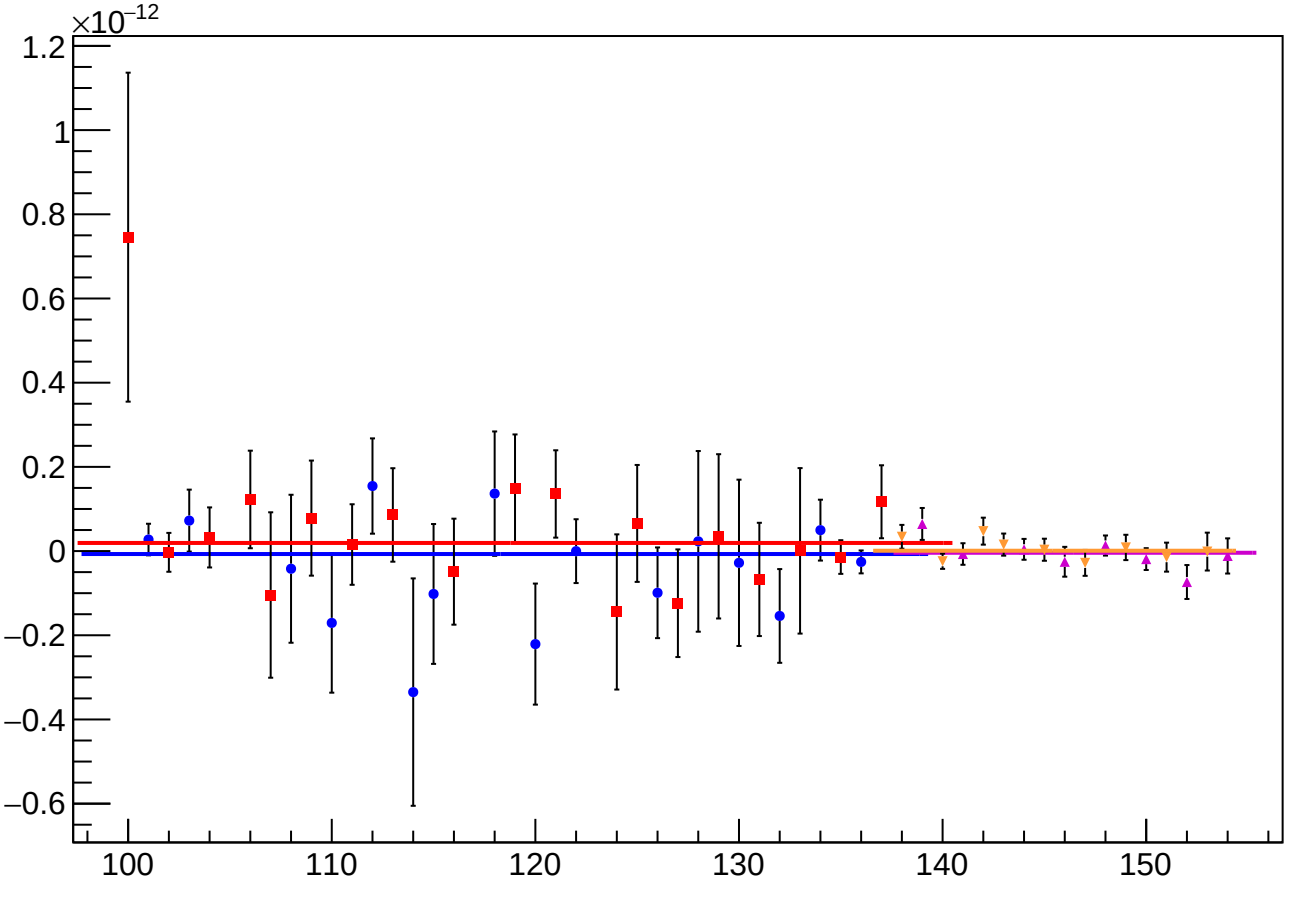
Left: 114.068+/-0.022 χ^2/NDF: 594725.8/16

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

In: 110.826+/-0.021 χ^2/NDF:486519.2/23

Out: 113.531+/-0.022 χ^2/NDF:741508.5/27

All: 112.151+/-0.015 χ^2/NDF: 1235999.6/51



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:7.6/7

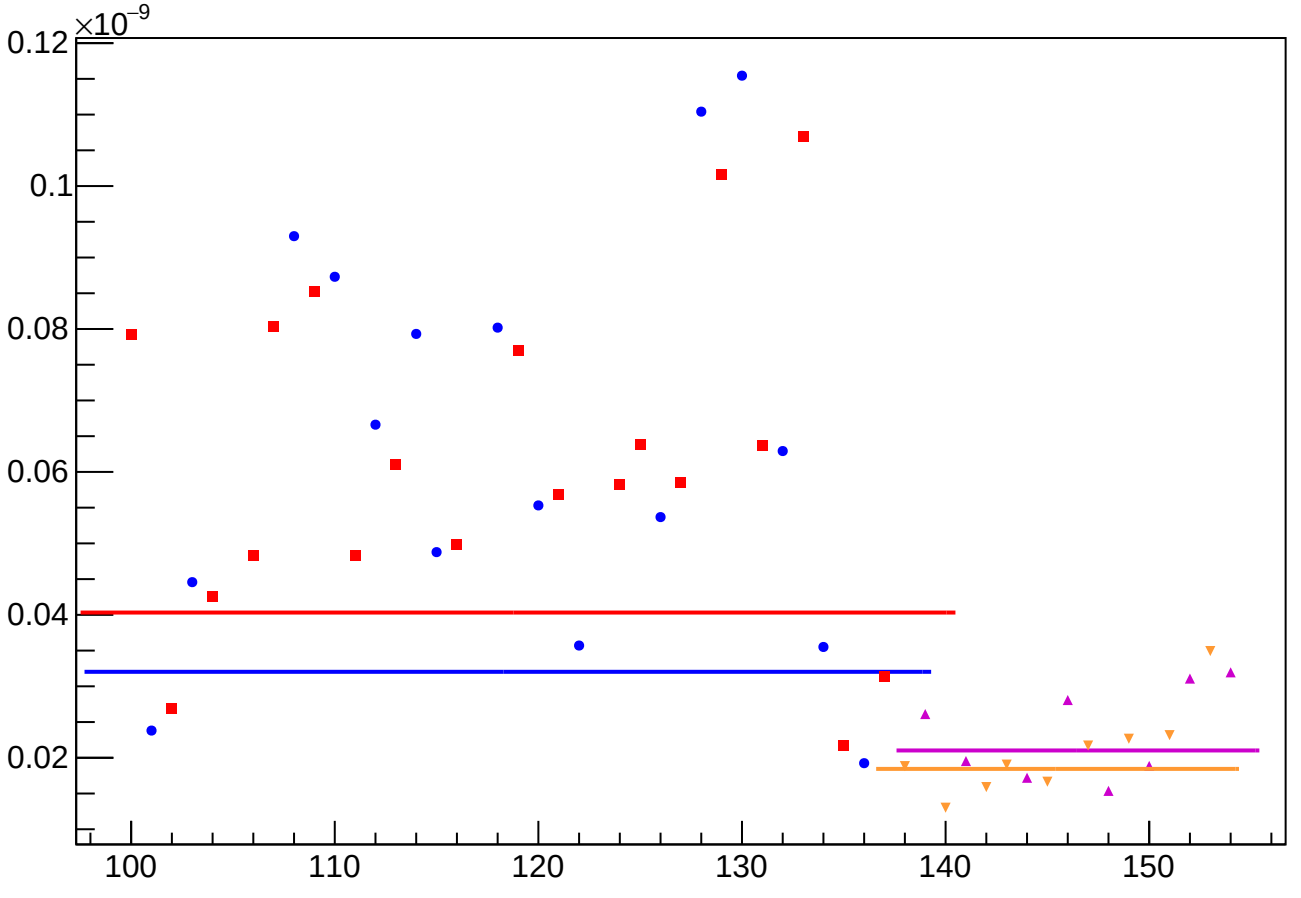
Left: -0.000+/-0.000 χ^2/NDF: 14.6/16

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:21.2/23

Out: 0.000+/-0.000 χ^2/NDF:20.1/27

All: -0.000+/-0.000 χ^2/NDF: 41.8/51



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:557321.3/7

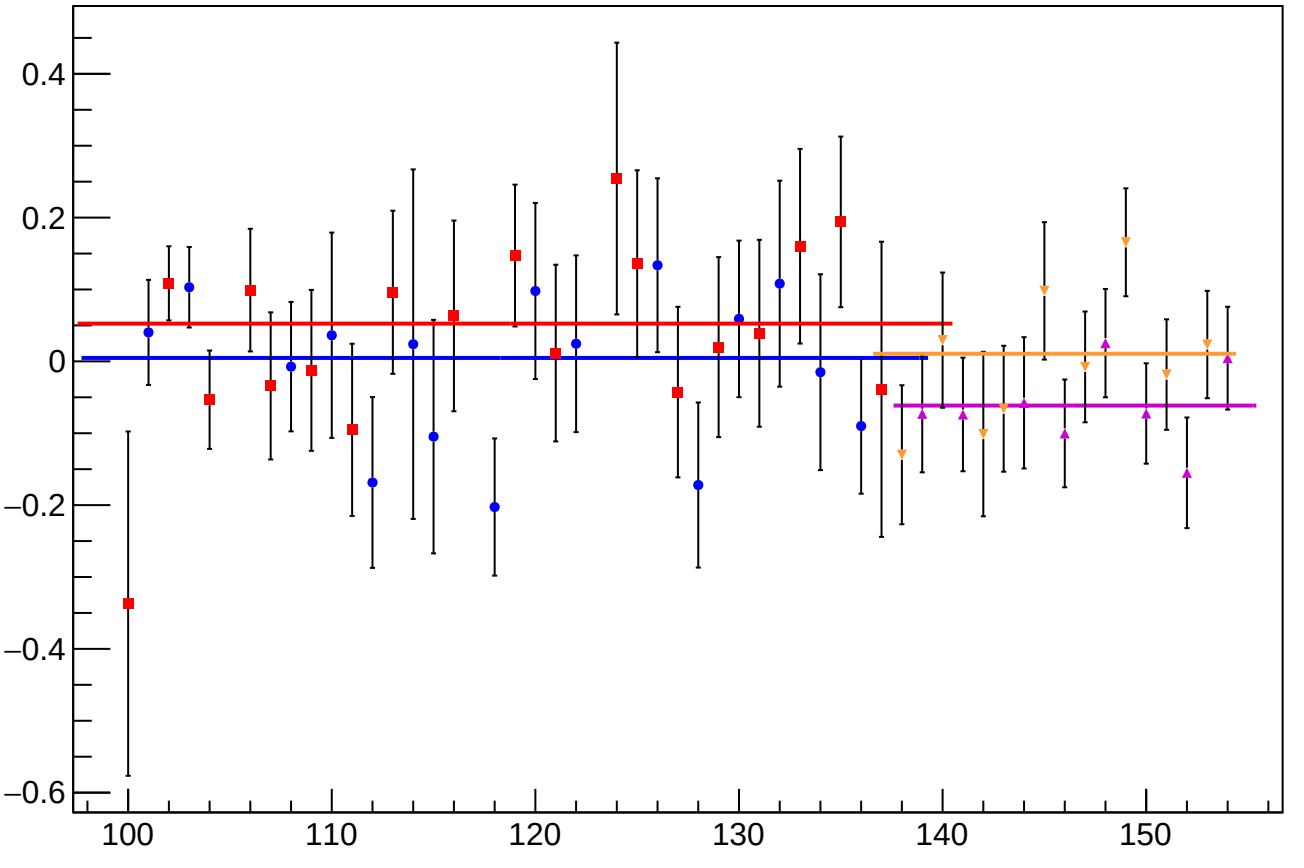
Left: 0.000+/-0.000 χ^2/NDF: 1196349.6/16

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

In: 0.000+/-0.000 χ^2/NDF:3578368.7/23

Out: 0.000+/-0.000 χ^2/NDF:4237938.4/27

All: 0.000+/-0.000 χ^2/NDF: 7861712.7/51



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: -0.061+/-0.027 χ^2/NDF:4.0/7

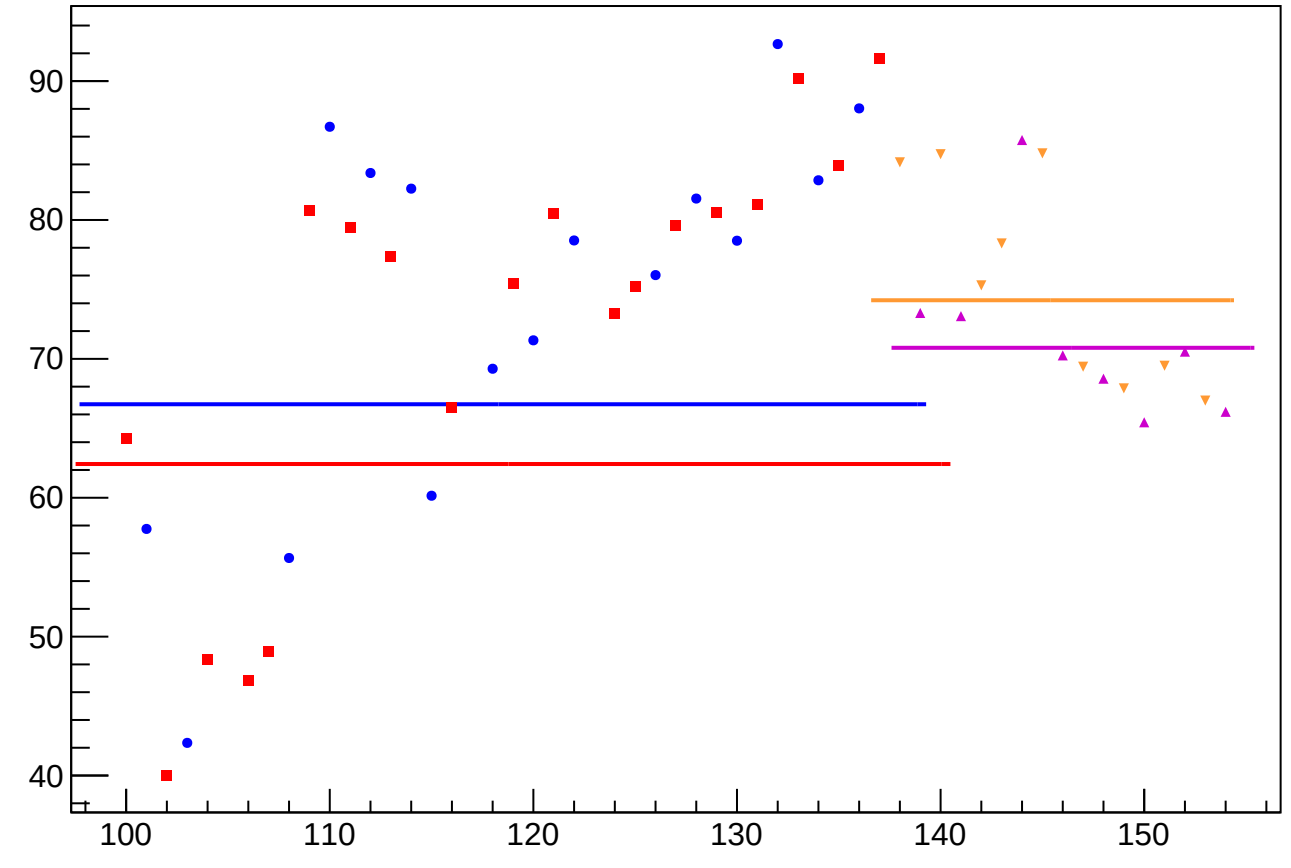
Left: -0.027+/-0.020 χ^2/NDF: 16.5/16

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.027+/-0.019 χ^2/NDF:23.7/23

Out: 0.035+/-0.018 χ^2/NDF:25.3/27

All: 0.005+/-0.013 χ^2/NDF: 54.5/51



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: 70.797+/-0.019 χ^2/NDF:79215.3/7

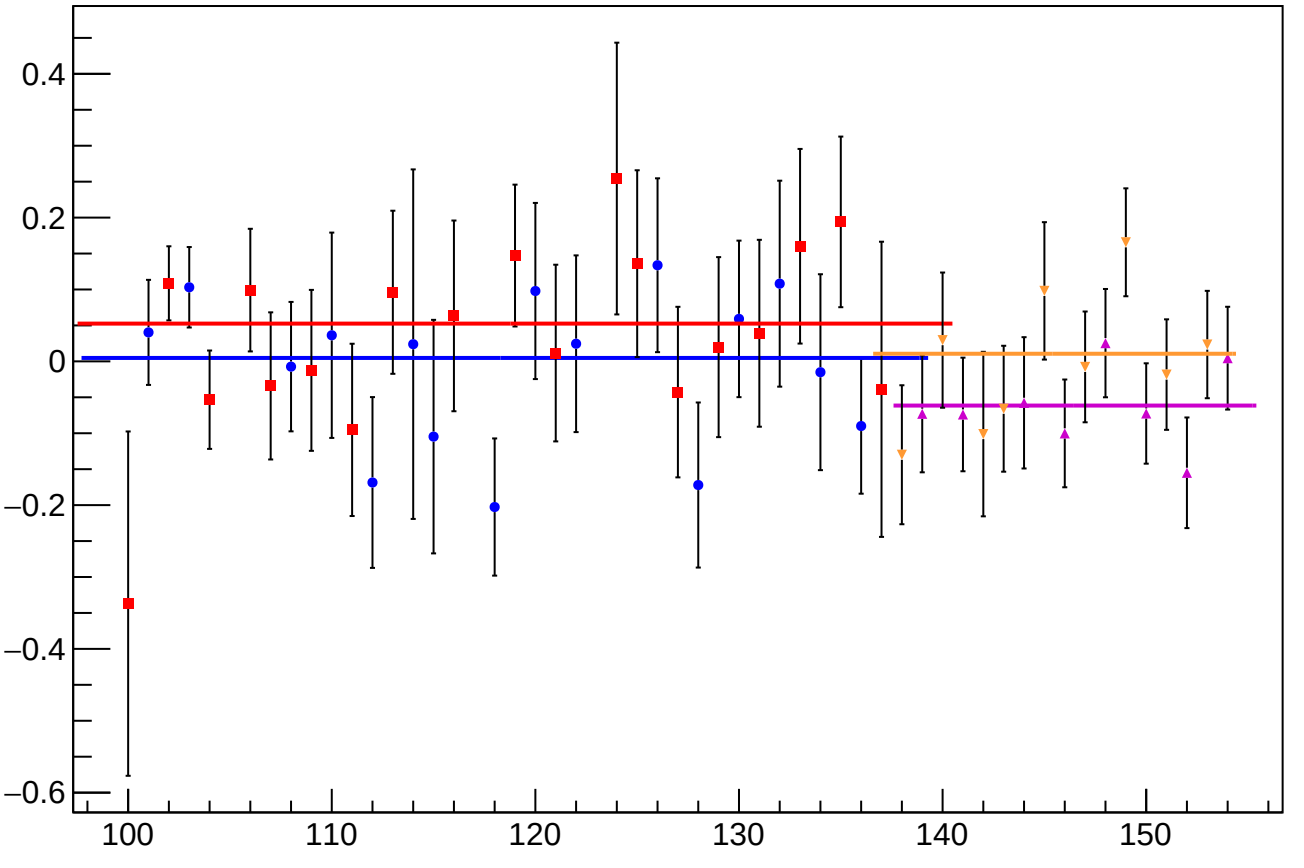
Left: 72.426+/-0.014 χ^2/NDF: 217693.0/16

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

In: 68.667+/-0.013 χ^2/NDF:919419.0/23

Out: 67.341+/-0.013 χ^2/NDF:1437074.0/27

All: 67.992+/-0.009 χ^2/NDF: 2361592.7/51



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: -0.061+/-0.027 χ^2/NDF:4.0/7

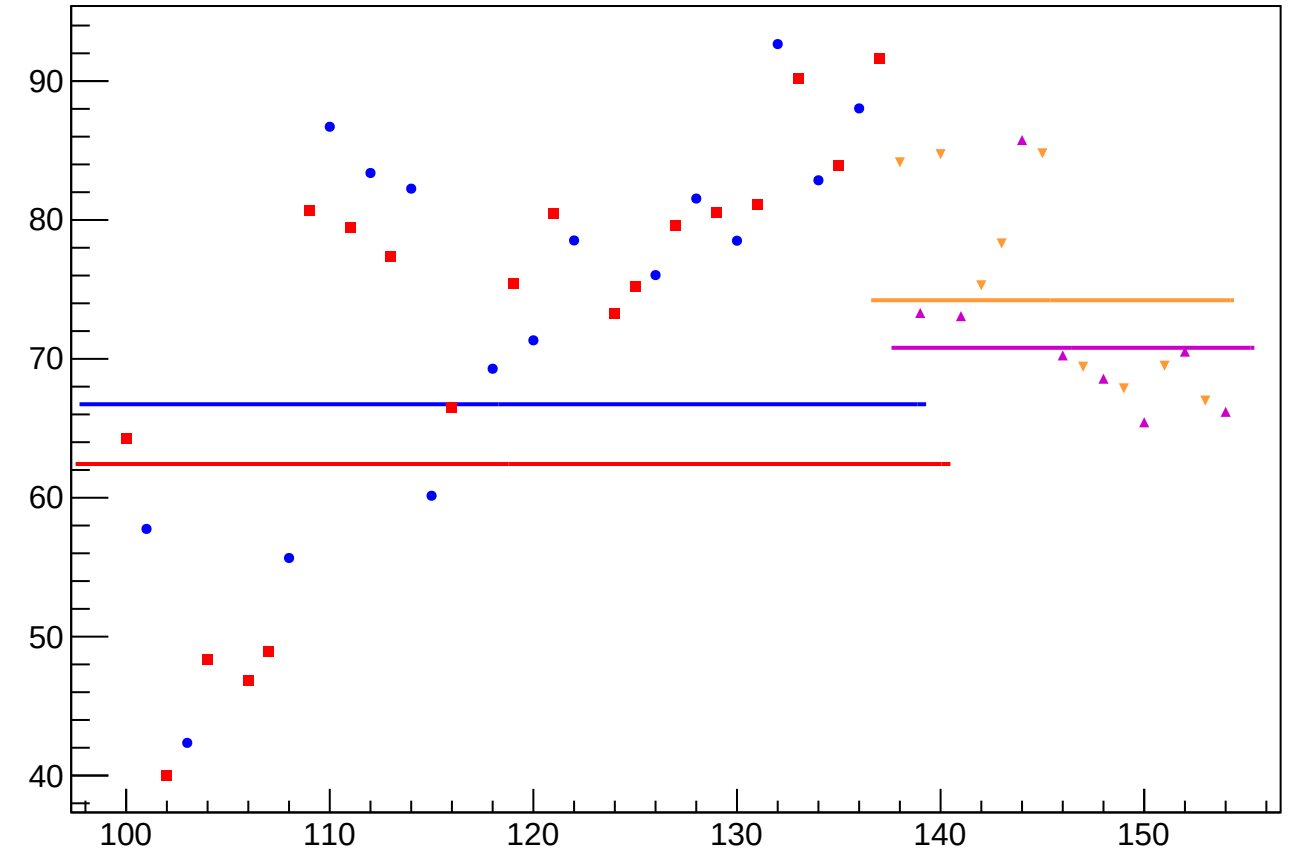
Left: -0.027+/-0.020 χ^2/NDF: 16.5/16

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.027+/-0.019 χ^2/NDF:23.7/23

Out: 0.035+/-0.018 χ^2/NDF:25.3/27

All: 0.005+/-0.013 χ^2/NDF: 54.5/51



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: 70.797+/-0.019 χ^2/NDF:79215.3/7

Left: 72.426+/-0.014 χ^2/NDF: 217693.0/16

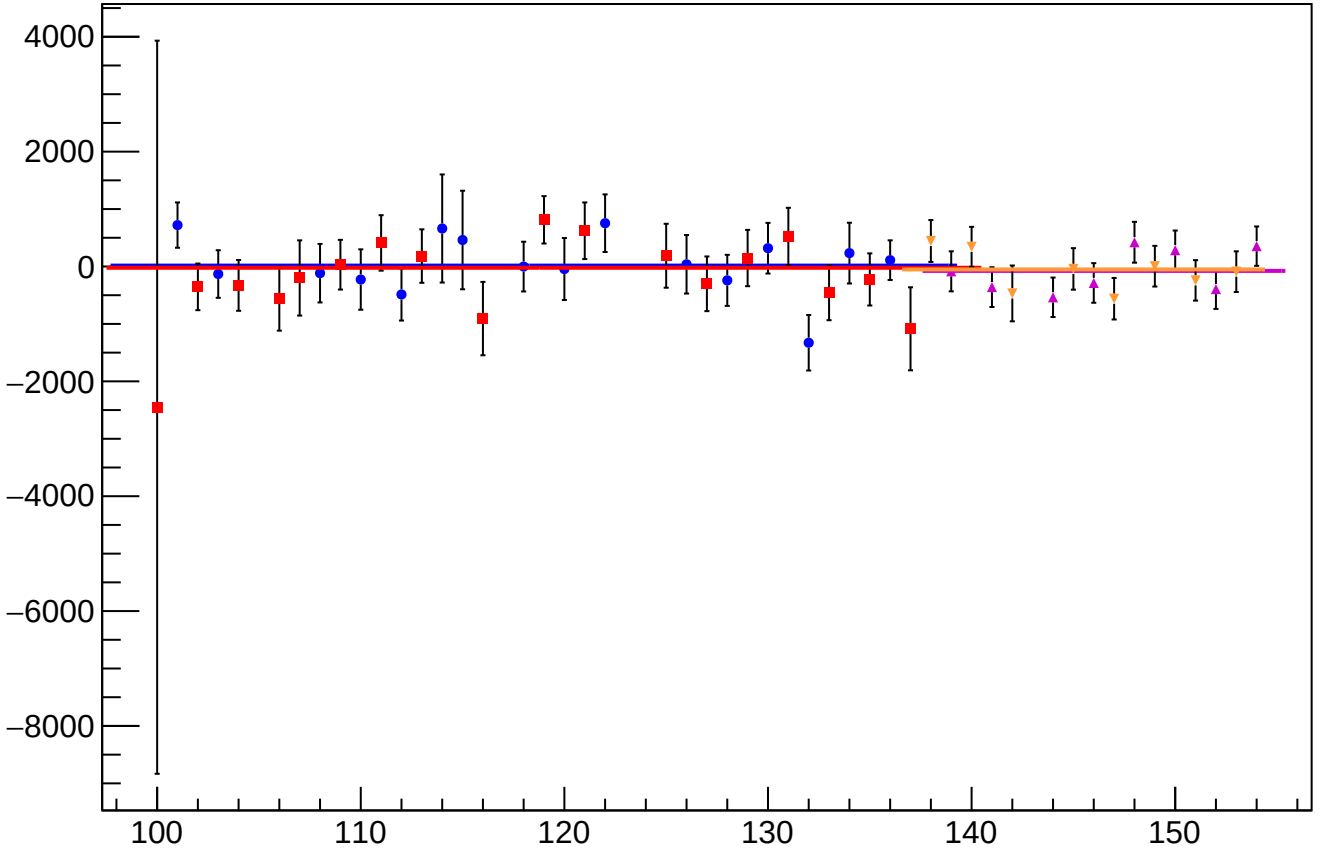
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 68.667+/-0.013 χ^2/NDF:919419.0/23

Out: 67.341+/-0.013 χ^2/NDF:1437074.0/27

All: 67.992+/-0.009 χ^2/NDF: 2361592.7/51

asym_dsl_mean vs Slug, Sign Corrected



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: -76.616+/-122.346 χ^2/NDF:8.3/7

Left: -64.823+/-89.049 χ^2/NDF: 14.5/15

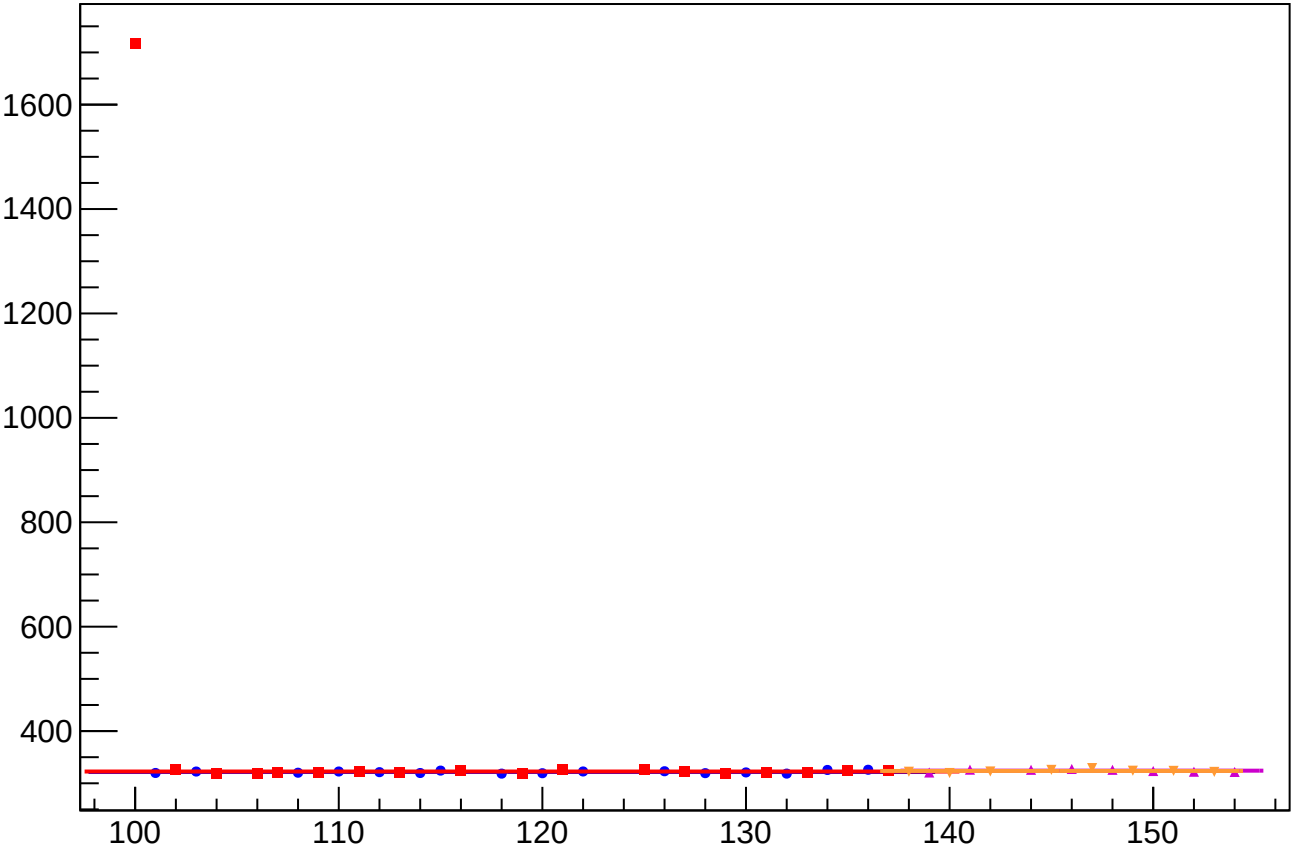
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -29.439+/-85.462 χ^2/NDF:25.2/23

Out: -35.588+/-87.818 χ^2/NDF:22.2/25

All: -32.430+/-61.247 χ^2/NDF: 47.4/49

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: 324.182+/-0.087 χ^2/NDF:710.3/7

Left: 323.926+/-0.063 χ^2/NDF: 1605.3/15

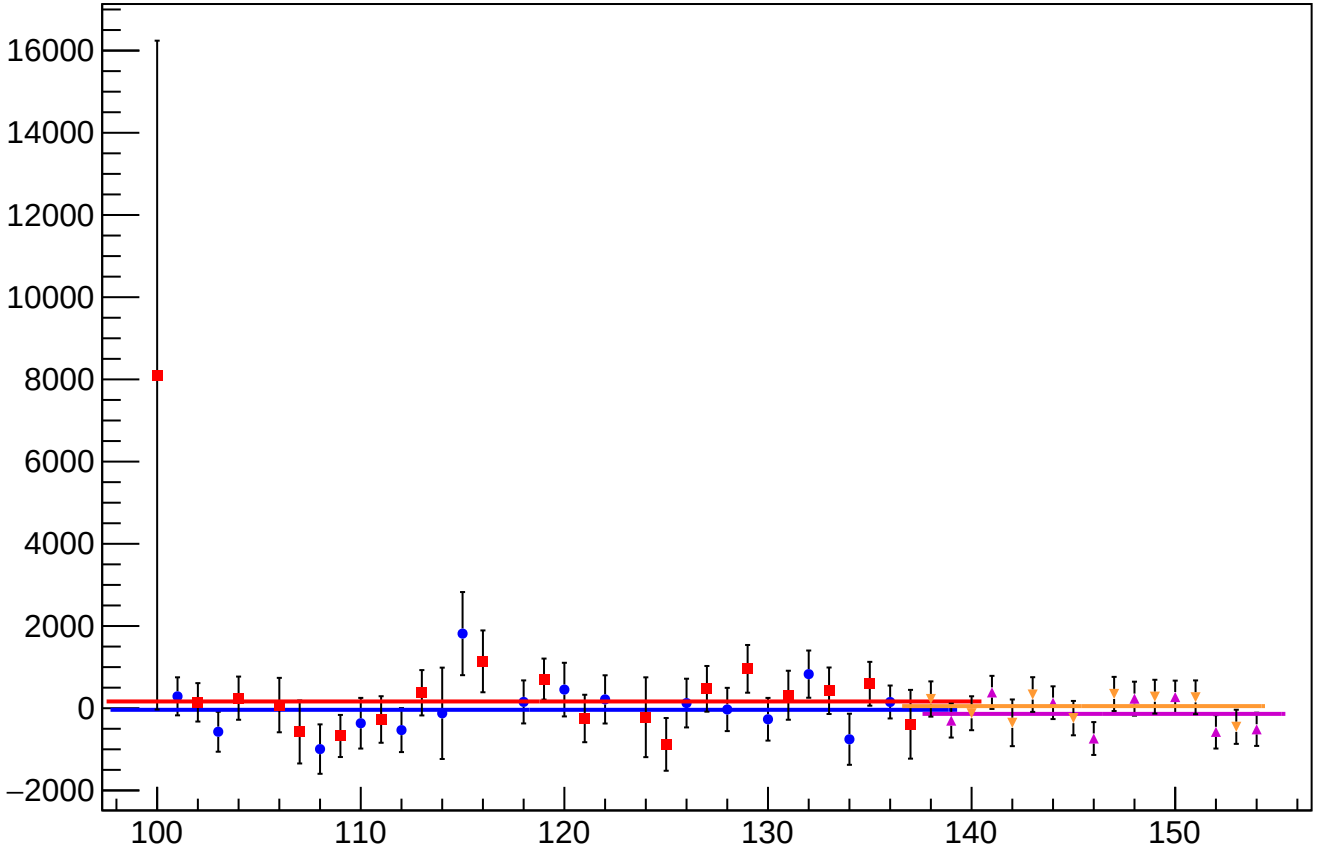
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.862+/-0.060 χ^2/NDF:1987.9/23

Out: 323.049+/-0.062 χ^2/NDF:97843.9/25

All: 322.953+/-0.043 χ^2/NDF: 99836.5/49

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: -137.725+/-142.925 χ^2/NDF:8.4/7

Left: -42.975+/-100.946 χ^2/NDF: 13.7/16

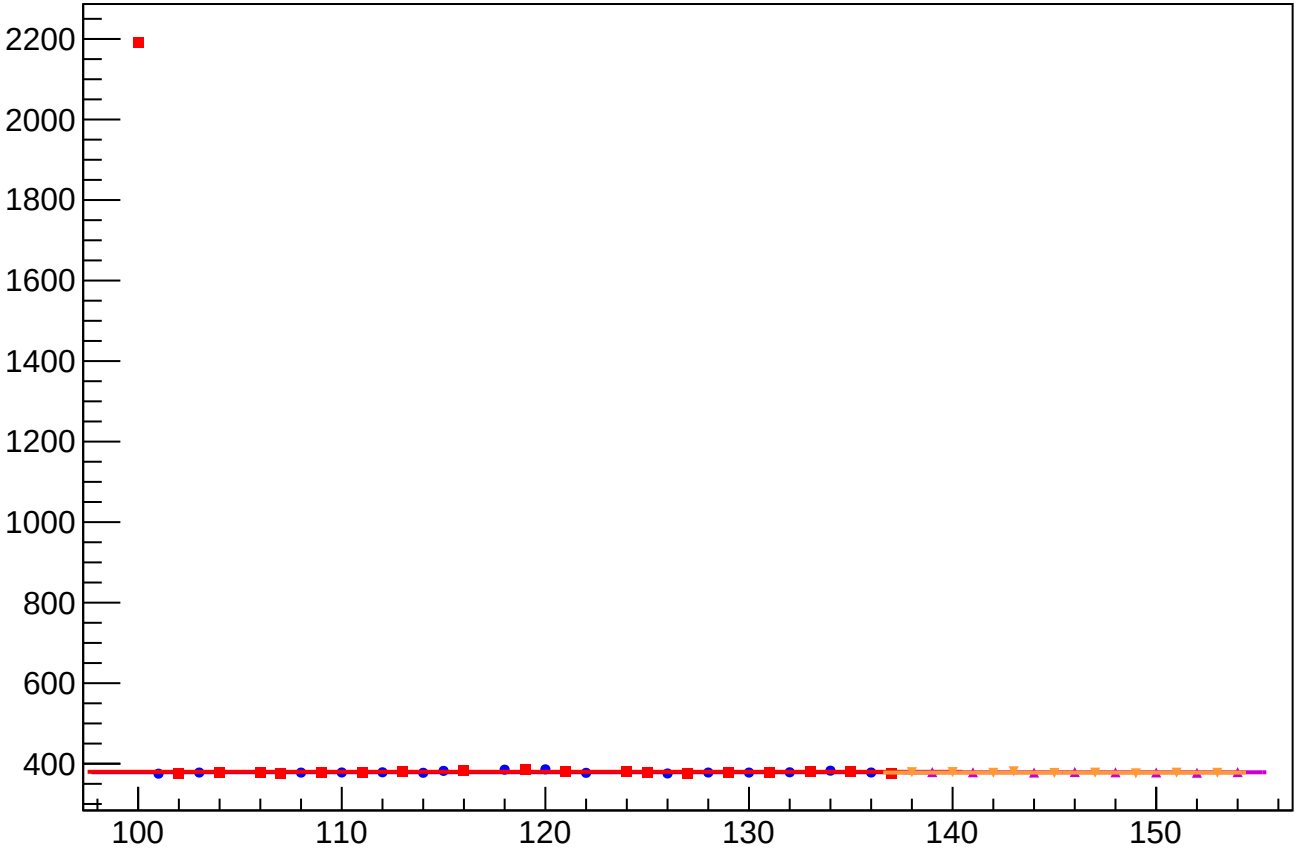
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -87.551+/-100.274 χ^2/NDF:22.4/23

Out: 109.449+/-99.520 χ^2/NDF:19.8/27

All: 11.692+/-70.637 χ^2/NDF: 44.1/51

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: 378.699+/-0.101 χ^2/NDF:37.7/7

Left: 378.351+/-0.071 χ^2/NDF: 260.9/16

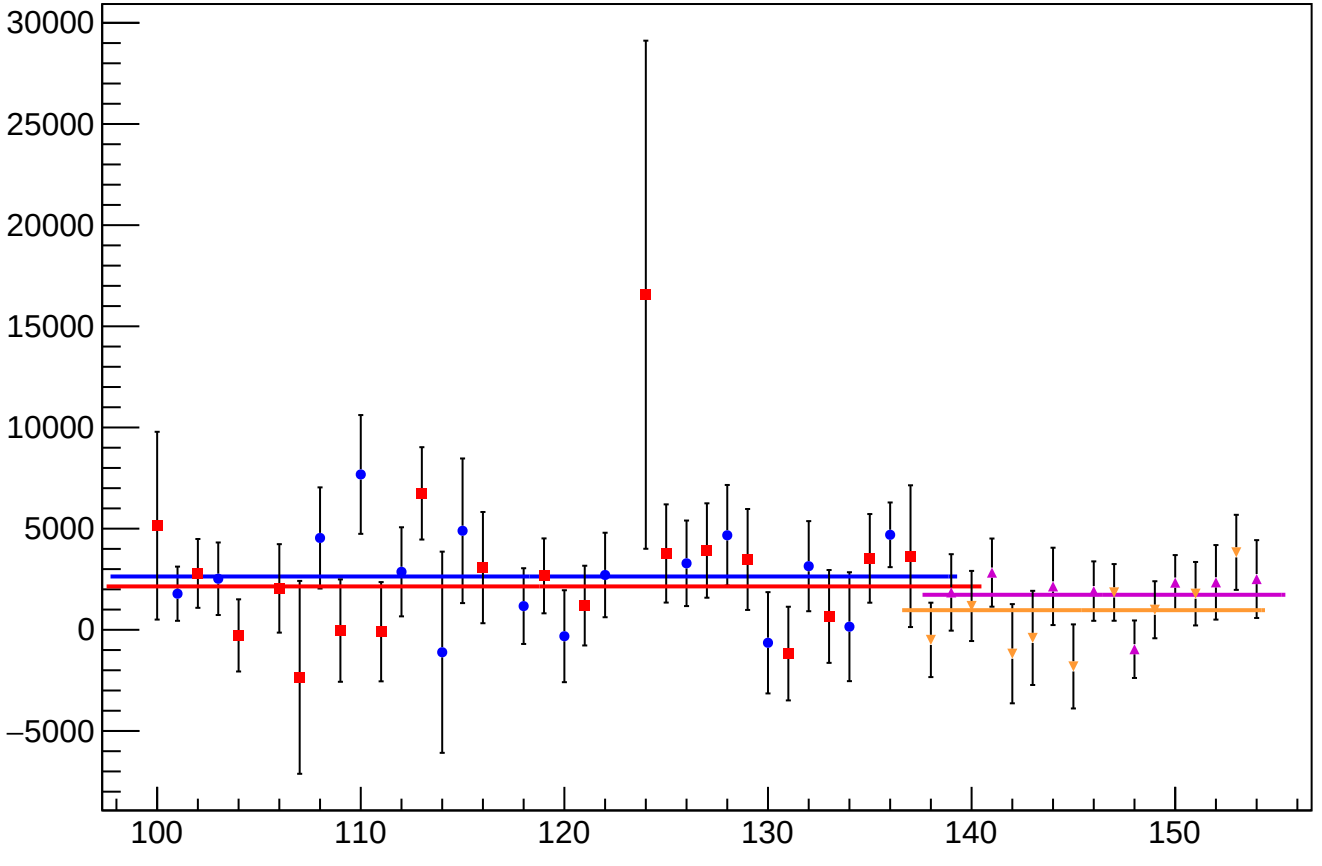
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.806+/-0.071 χ^2/NDF:891.2/23

Out: 378.965+/-0.070 χ^2/NDF:99998.0/27

All: 378.886+/-0.050 χ^2/NDF: 100891.7/51

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: 1731.272+/-580.350 χ^2/NDF:4.5/7

Left: 1353.797+/-412.034 χ^2/NDF: 12.0/16

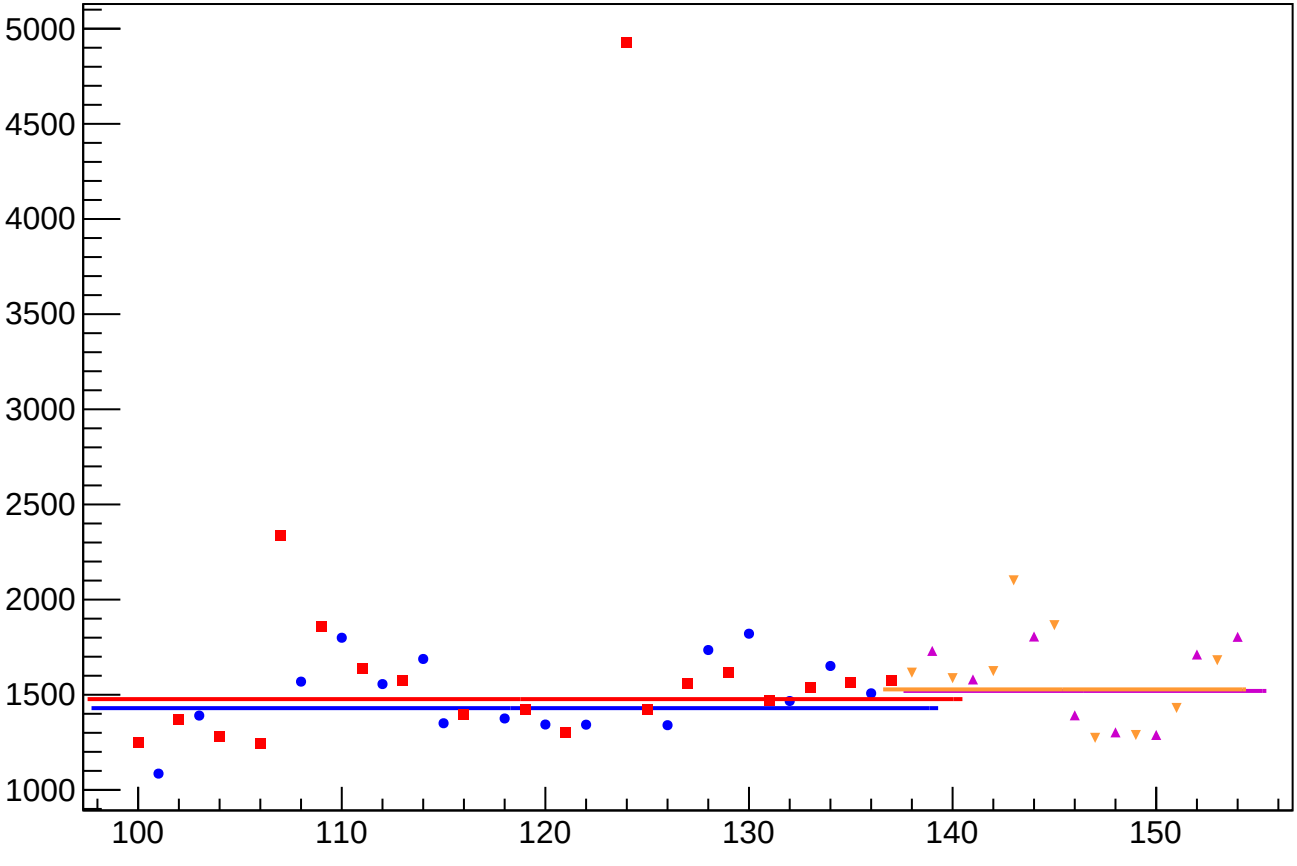
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2217.494+/-394.560 χ^2/NDF:18.1/23

Out: 1596.858+/-399.560 χ^2/NDF:23.8/27

All: 1911.084+/-280.747 χ^2/NDF: 43.1/51

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: 1520.115+/-0.410 χ^2/NDF:257198.6/7

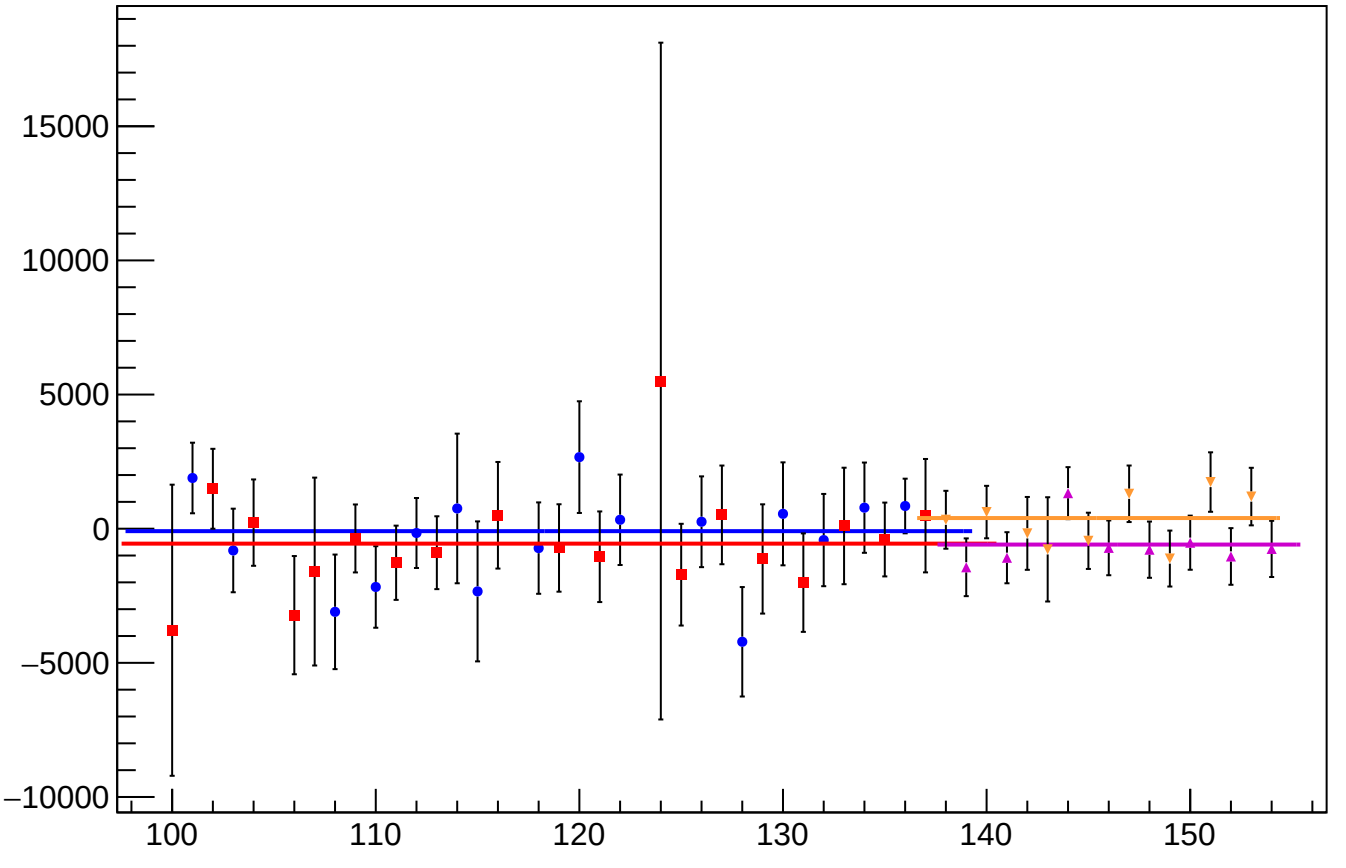
Left: 1524.113+/-0.291 χ^2/NDF: 586678.5/16

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

In: 1471.467+/-0.279 χ^2/NDF:576719.6/23

Out: 1500.934+/-0.283 χ^2/NDF:706844.6/27

All: 1486.015+/-0.199 χ^2/NDF: 1289071.8/51



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: -591.363+/-360.593 χ^2/NDF:5.0/7

Left: -116.087+/-259.788 χ^2/NDF: 14.8/16

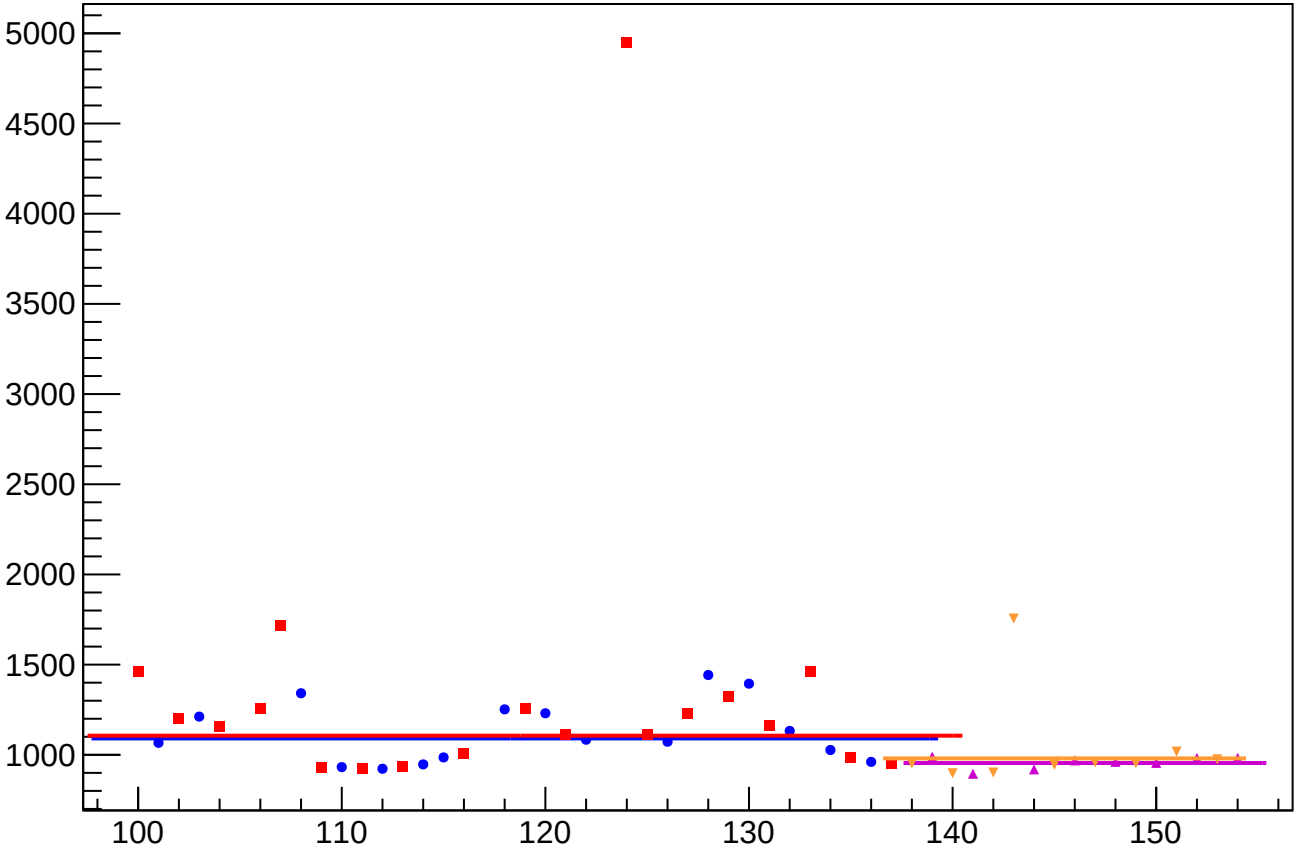
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -373.238+/-270.757 χ^2/NDF:20.4/23

Out: -35.516+/-276.963 χ^2/NDF:15.8/27

All: -208.203+/-193.611 χ^2/NDF: 37.0/51

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: 954.696+/-0.255 χ^2/NDF:15902.3/7

Left: 967.013+/-0.184 χ^2/NDF: 368348.3/16

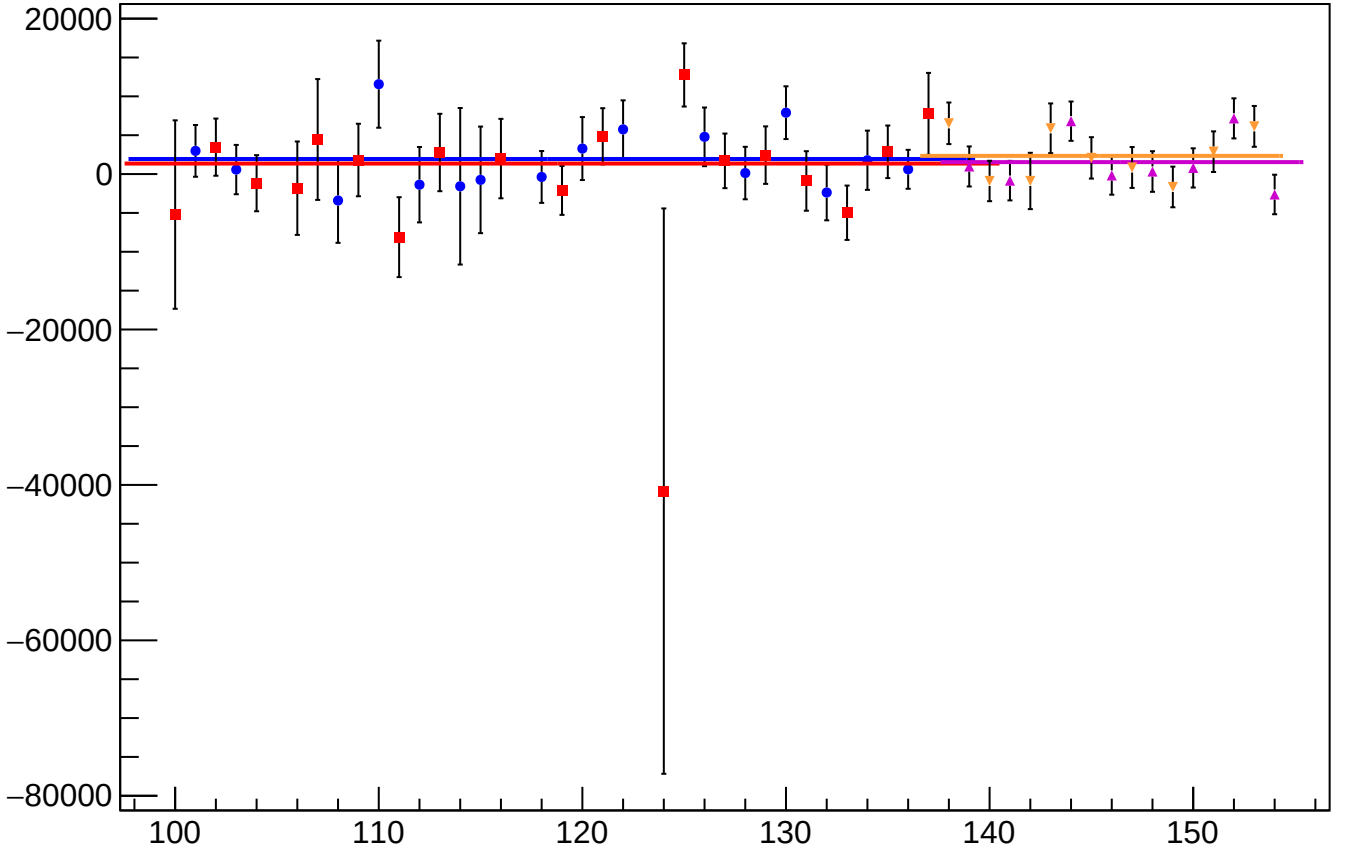
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1014.170+/-0.191 χ^2/NDF:417933.6/23

Out: 1037.309+/-0.196 χ^2/NDF:963853.3/27

All: 1025.477+/-0.137 χ^2/NDF: 1388925.2/51

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: 1537.157+/-900.674 χ^2/NDF:13.5/7

Left: 1931.056+/-643.191 χ^2/NDF: 24.7/16

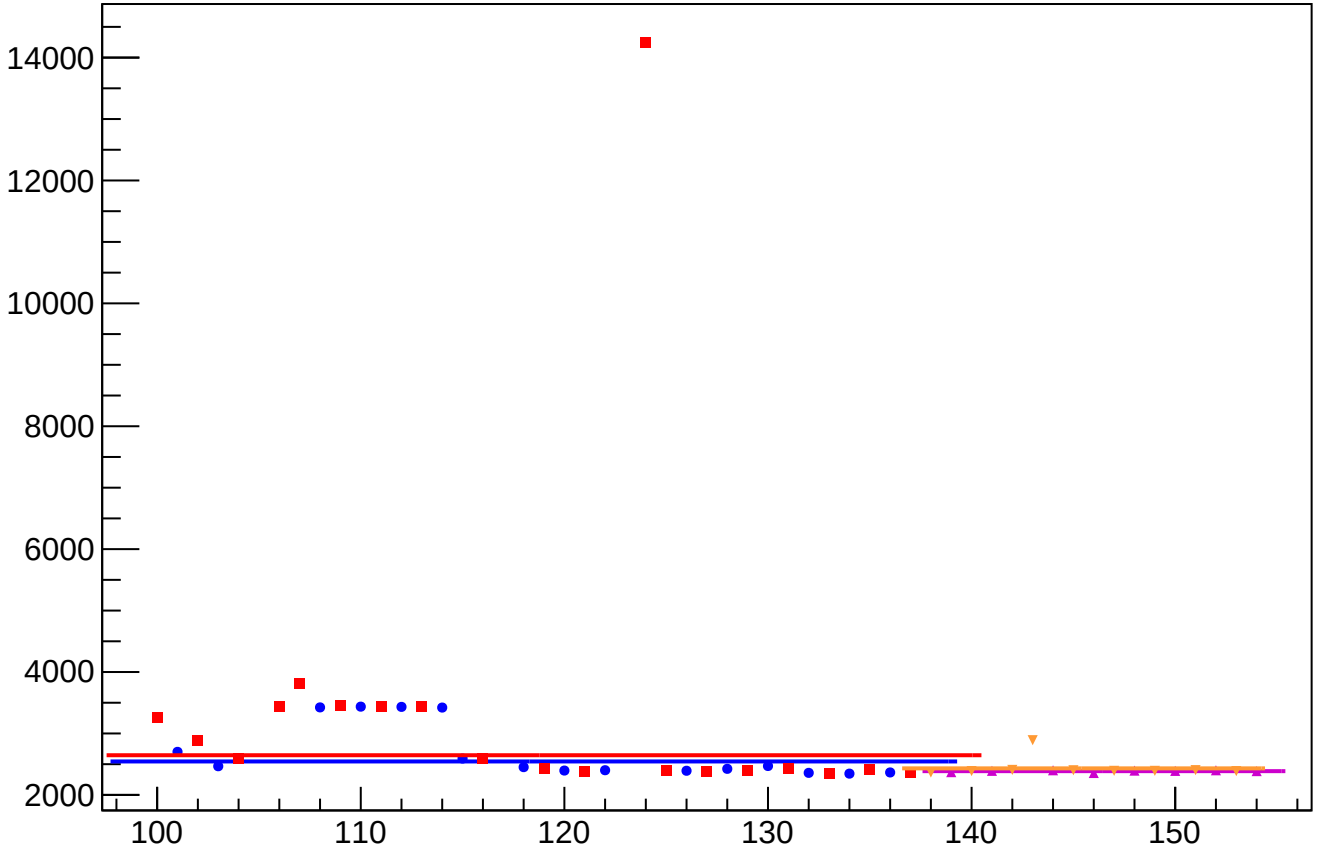
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1727.151+/-654.440 χ^2/NDF:25.8/23

Out: 1881.555+/-671.919 χ^2/NDF:33.2/27

All: 1802.319+/-468.817 χ^2/NDF: 59.0/51

reg_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: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2386.555+/-0.637 χ^2/NDF:531.4/7

Left: 2408.786+/-0.455 χ^2/NDF: 48088.6/16

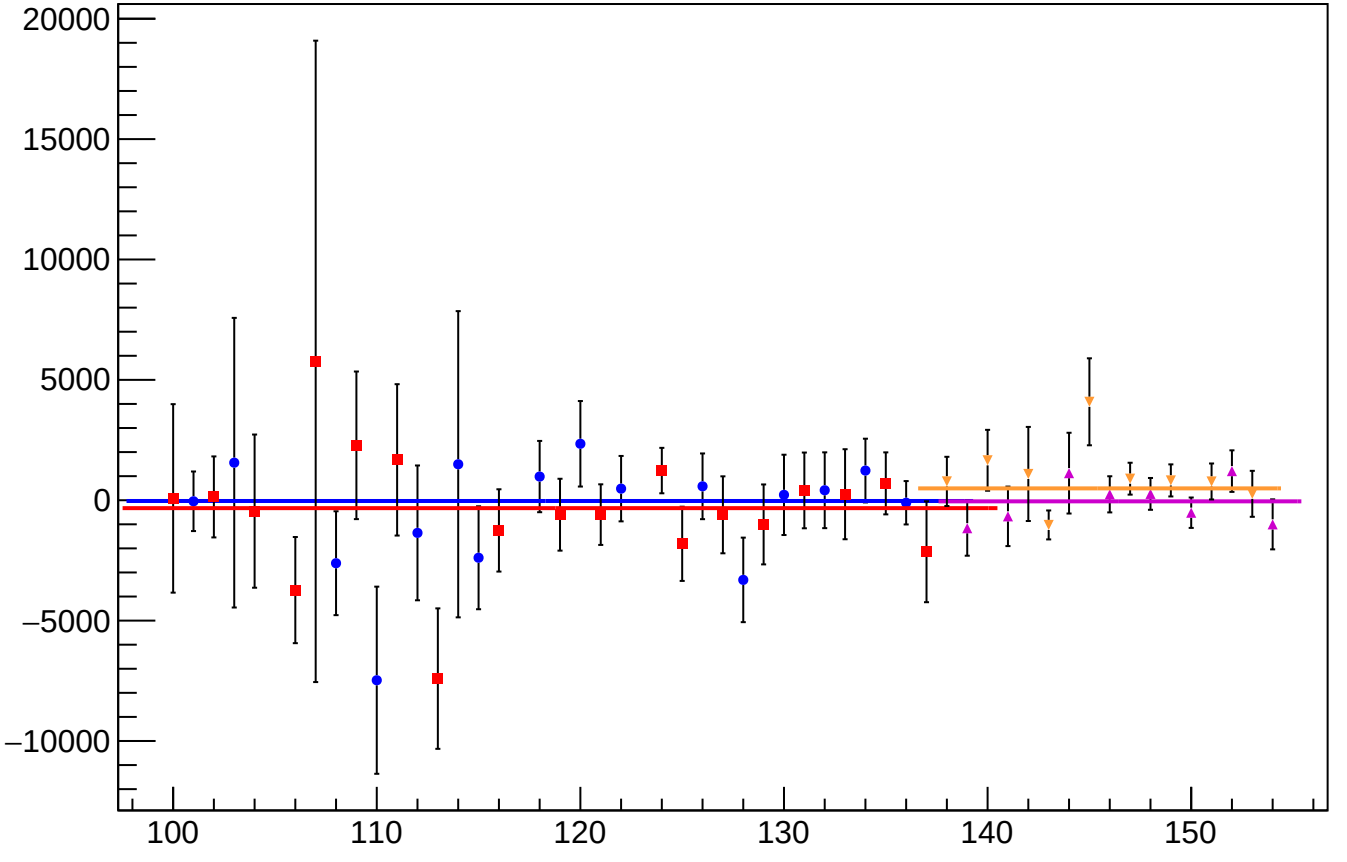
Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2461.071+/-0.463 χ^2/NDF:255146.9/23

Out: 2531.350+/-0.475 χ^2/NDF:632379.4/27

All: 2495.284+/-0.332 χ^2/NDF: 898754.6/51

asym_atl1_reg_correction_mean vs Slug, Sign Corrected



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: -46.223+/-306.907 χ^2/NDF:5.6/7

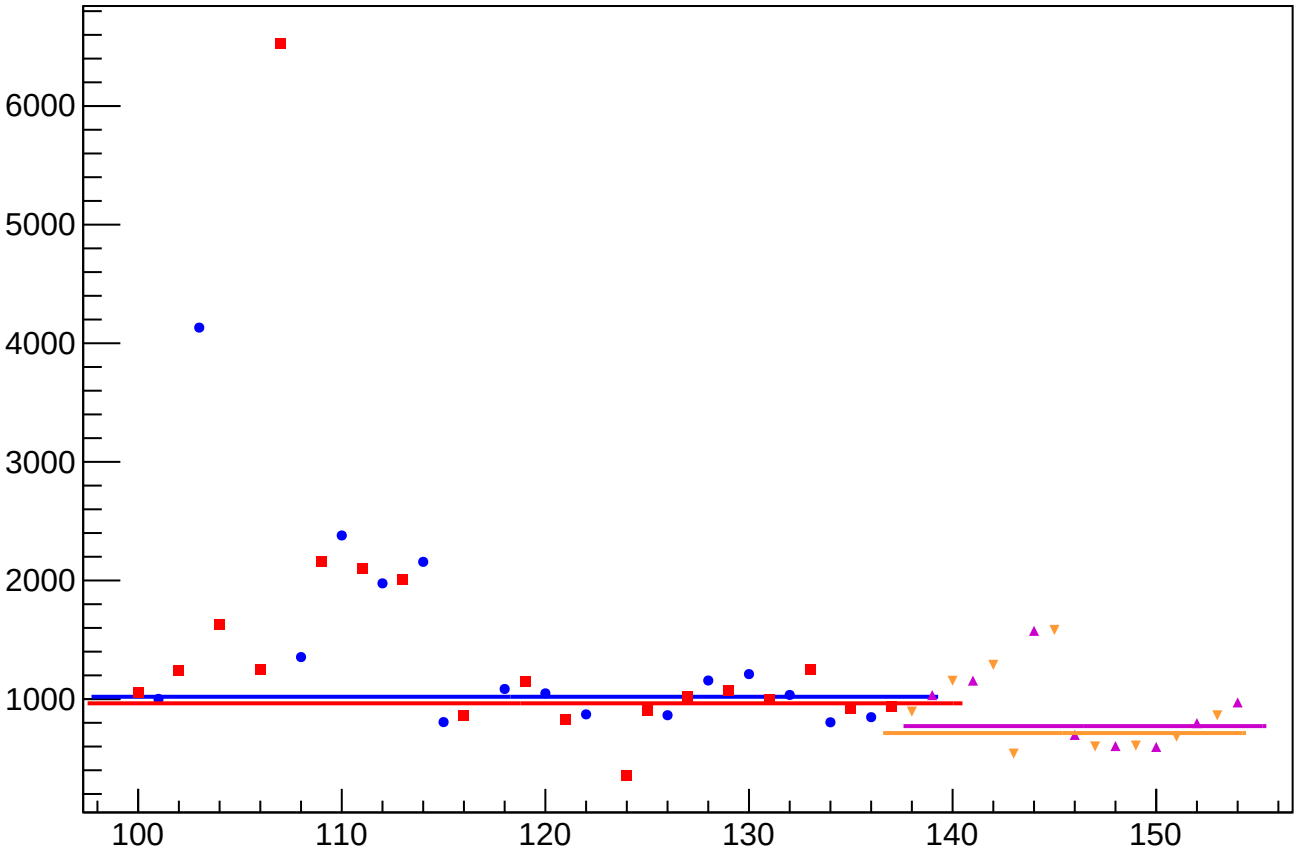
Left: 243.319+/-208.715 χ^2/NDF: 19.4/16

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -40.752+/-244.767 χ^2/NDF:19.4/23

Out: 215.119+/-231.657 χ^2/NDF:30.6/27

All: 94.219+/-168.250 χ^2/NDF: 50.6/51



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: 772.147+/-0.217 χ^2/NDF:1135621.2/7

Left: 740.688+/-0.148 χ^2/NDF: 2444195.3/16

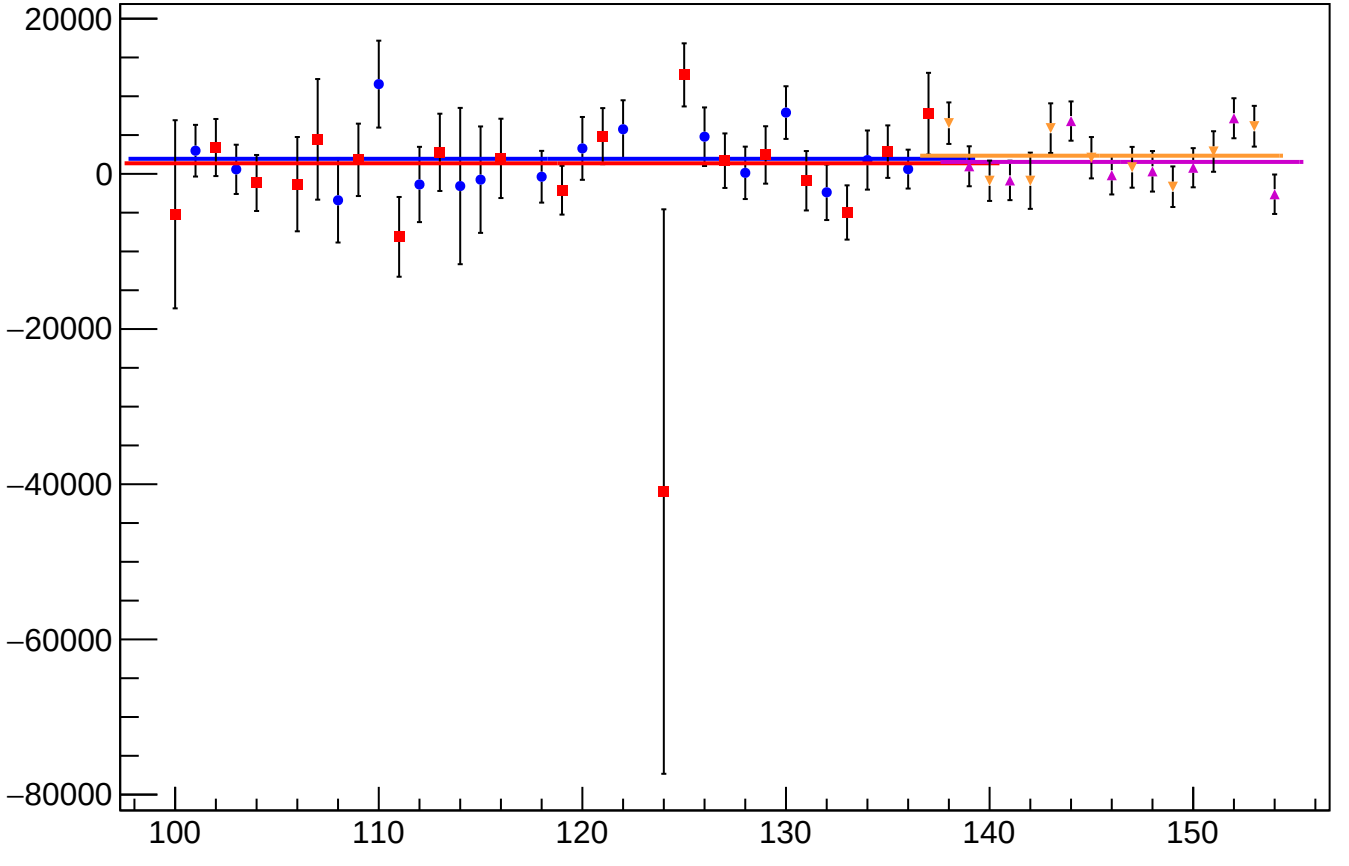
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 862.179+/-0.173 χ^2/NDF:2973266.2/23

Out: 798.332+/-0.164 χ^2/NDF:4103055.3/27

All: 828.500+/-0.119 χ^2/NDF: 7148105.7/51

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: 1537.405+/-900.674 χ^2/NDF:13.5/7

Left: 1931.083+/-643.191 χ^2/NDF: 24.7/16

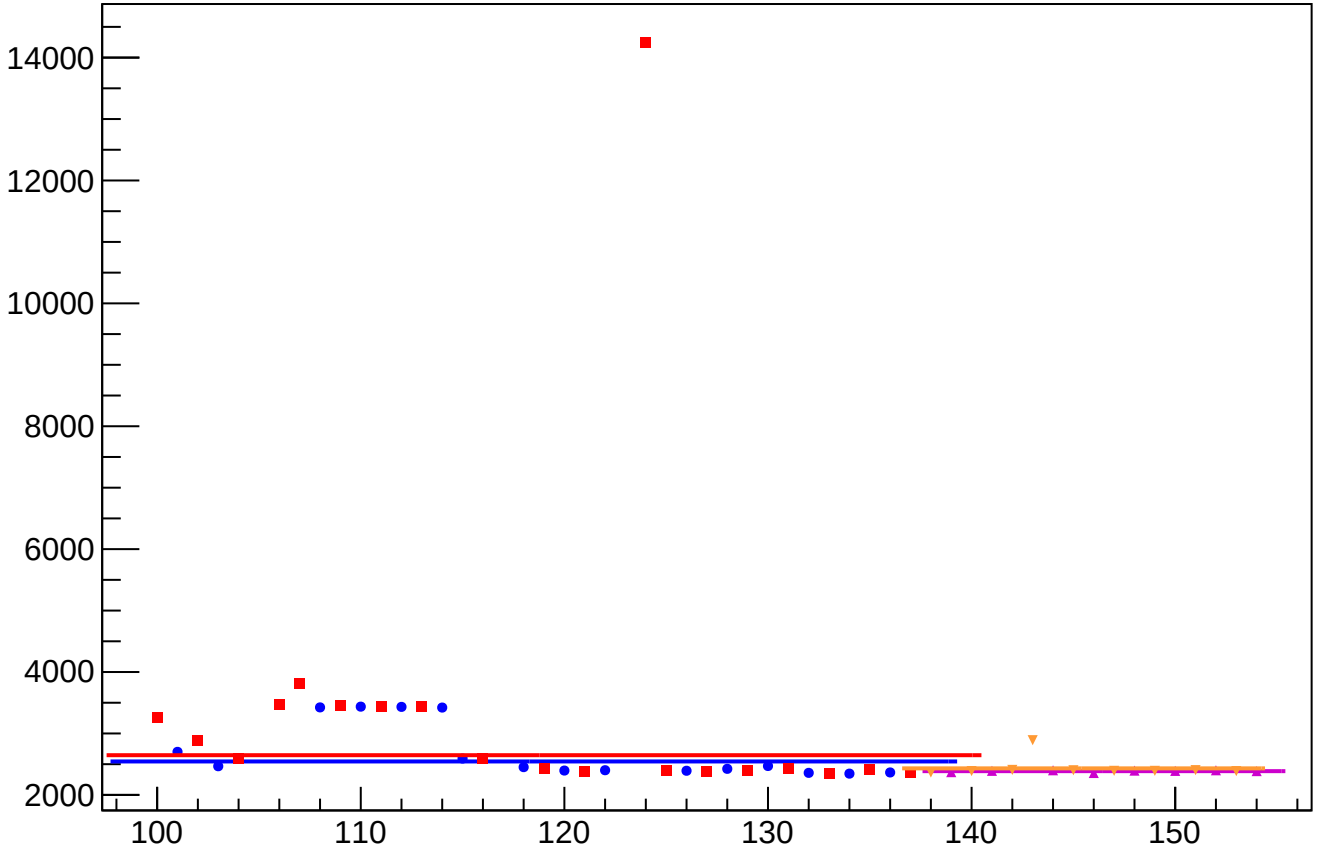
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1727.447+/-654.440 χ^2/NDF:25.8/23

Out: 1886.090+/-672.015 χ^2/NDF:33.1/27

All: 1804.667+/-468.849 χ^2/NDF: 58.9/51

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: 2386.555+/-0.637 χ^2/NDF:531.4/7

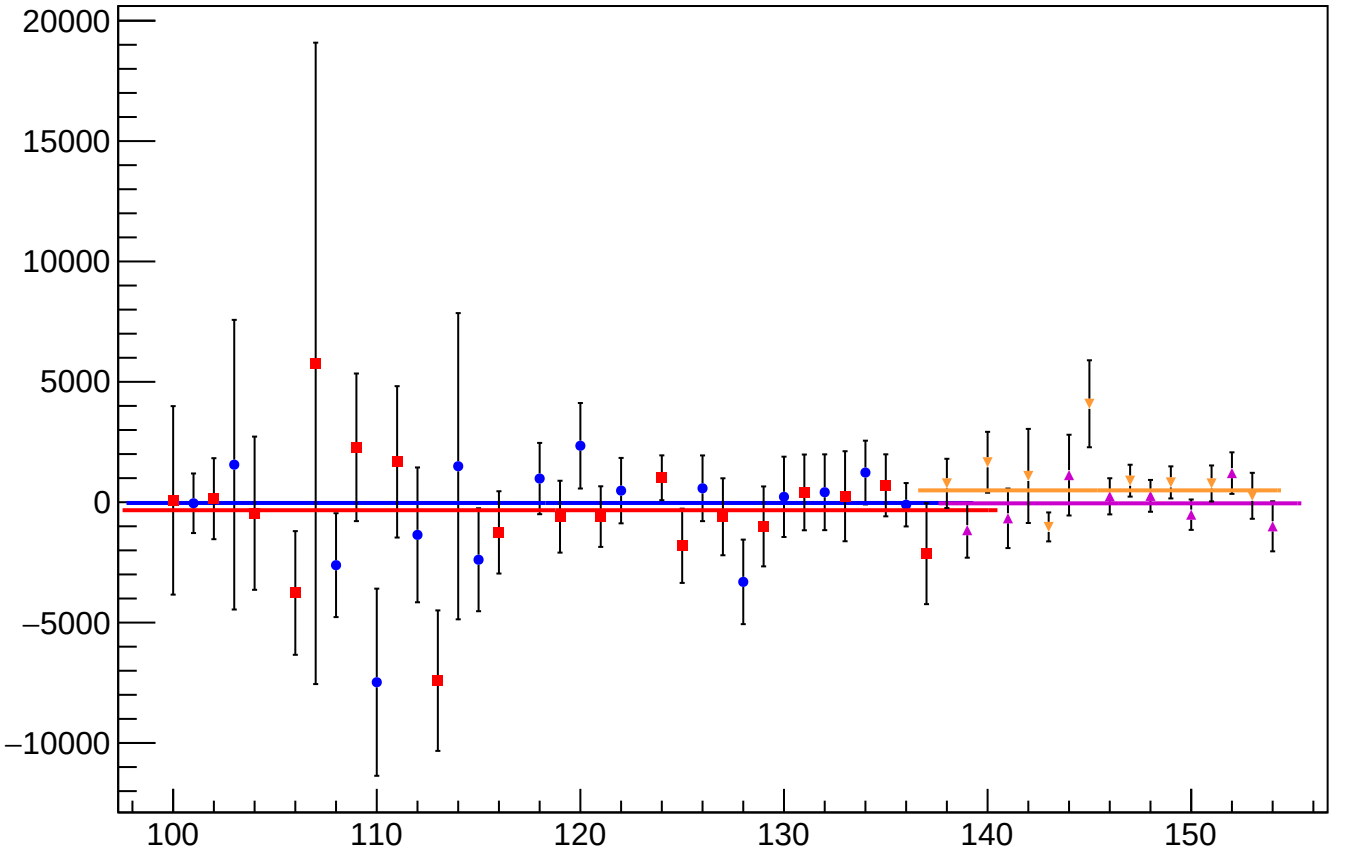
Left: 2408.786+/-0.455 χ^2/NDF: 48088.6/16

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2461.071+/-0.463 χ^2/NDF:255146.9/23

Out: 2531.576+/-0.475 χ^2/NDF:635206.9/27

All: 2495.390+/-0.332 χ^2/NDF: 901652.8/51



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: -46.087+/-306.905 χ^2/NDF:5.6/7

Left: 243.313+/-208.716 χ^2/NDF: 19.4/16

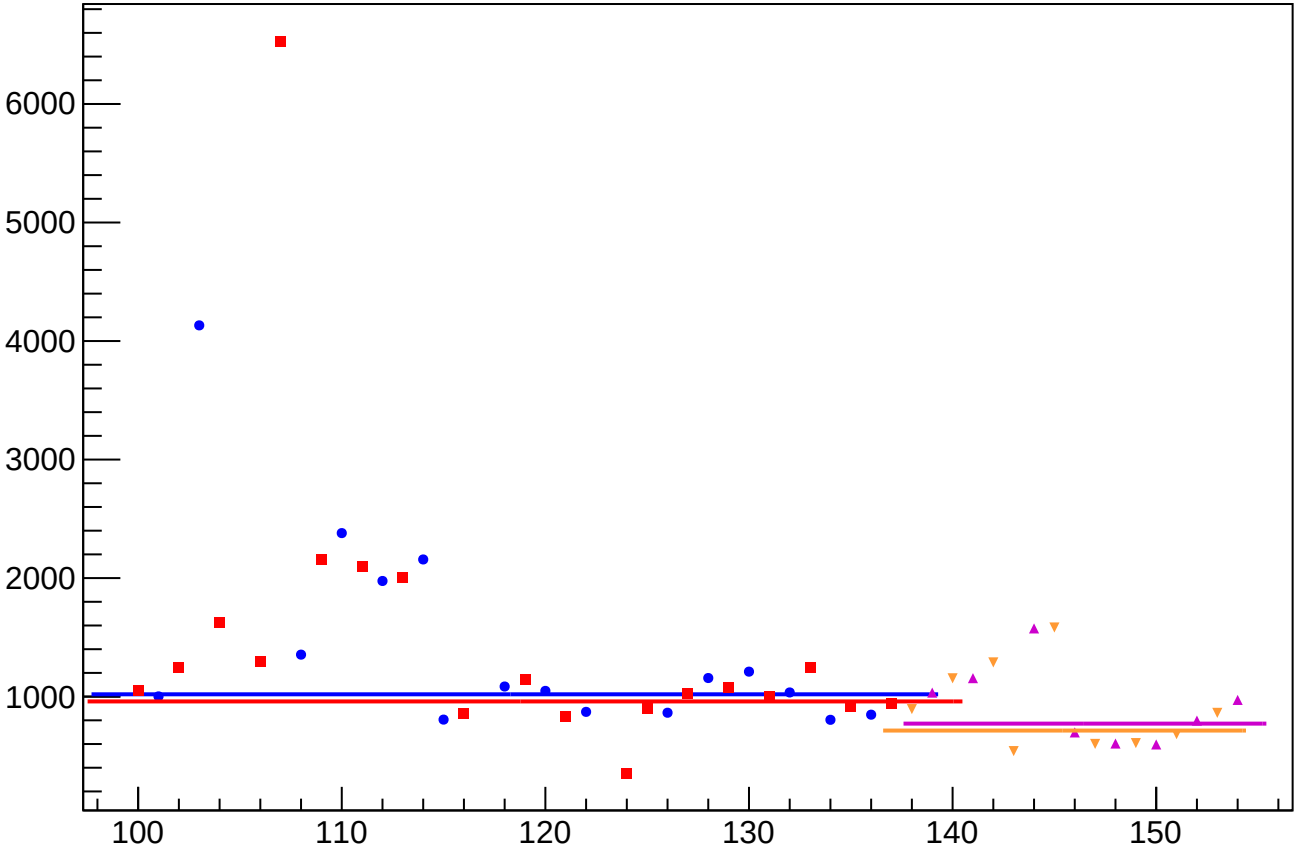
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -40.688+/-244.765 χ^2/NDF:19.4/23

Out: 214.566+/-231.809 χ^2/NDF:29.4/27

All: 93.873+/-168.308 χ^2/NDF: 49.3/51

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



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: 772.140+/-0.217 χ^2/NDF:1135684.4/7

Left: 740.692+/-0.148 χ^2/NDF: 2444175.1/16

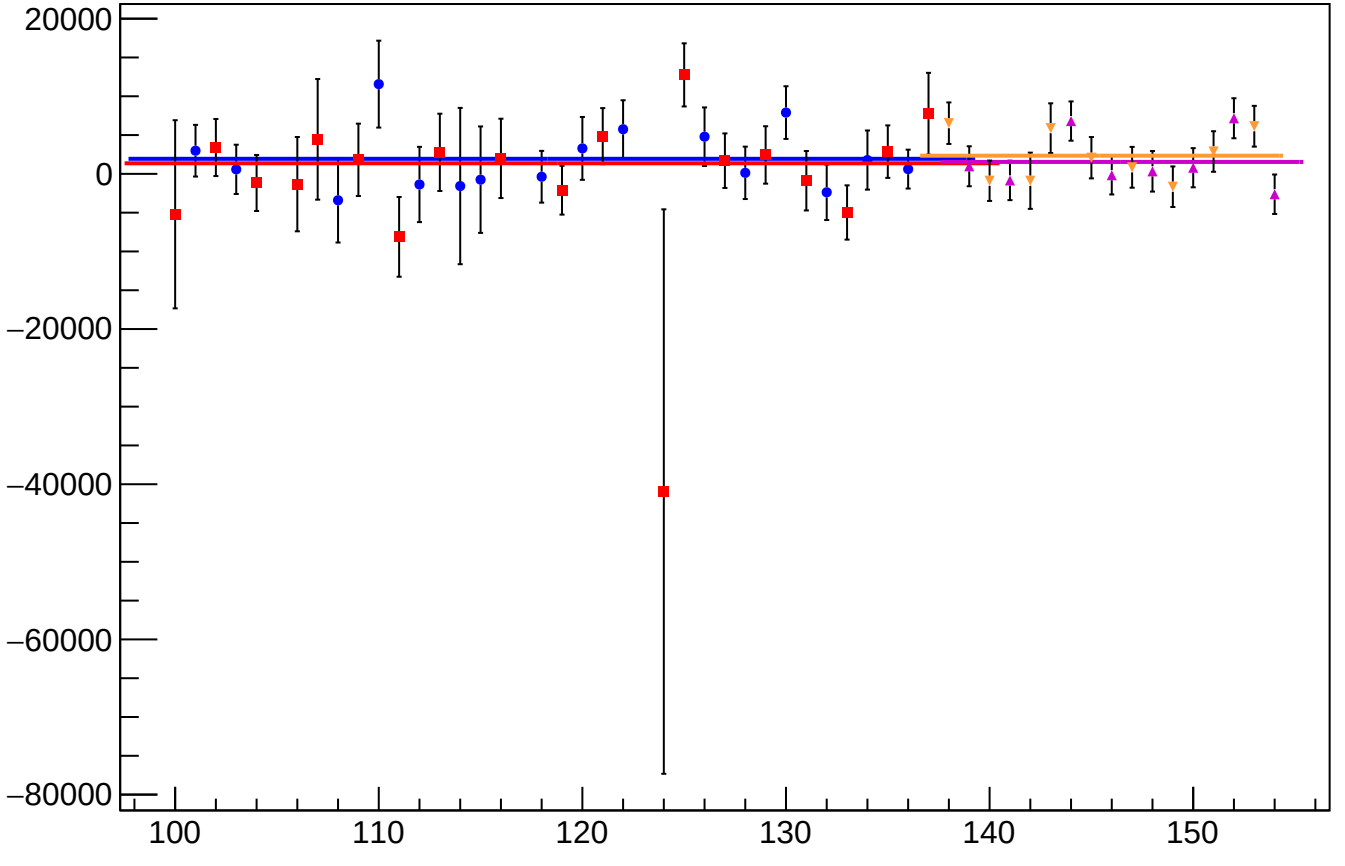
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 862.171+/-0.173 χ^2/NDF:2973327.9/23

Out: 796.429+/-0.164 χ^2/NDF:4115902.2/27

All: 827.514+/-0.119 χ^2/NDF: 7165291.2/51

eigen_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: 1537.405+/-900.674 χ^2/NDF:13.5/7

Left: 1931.083+/-643.191 χ^2/NDF: 24.7/16

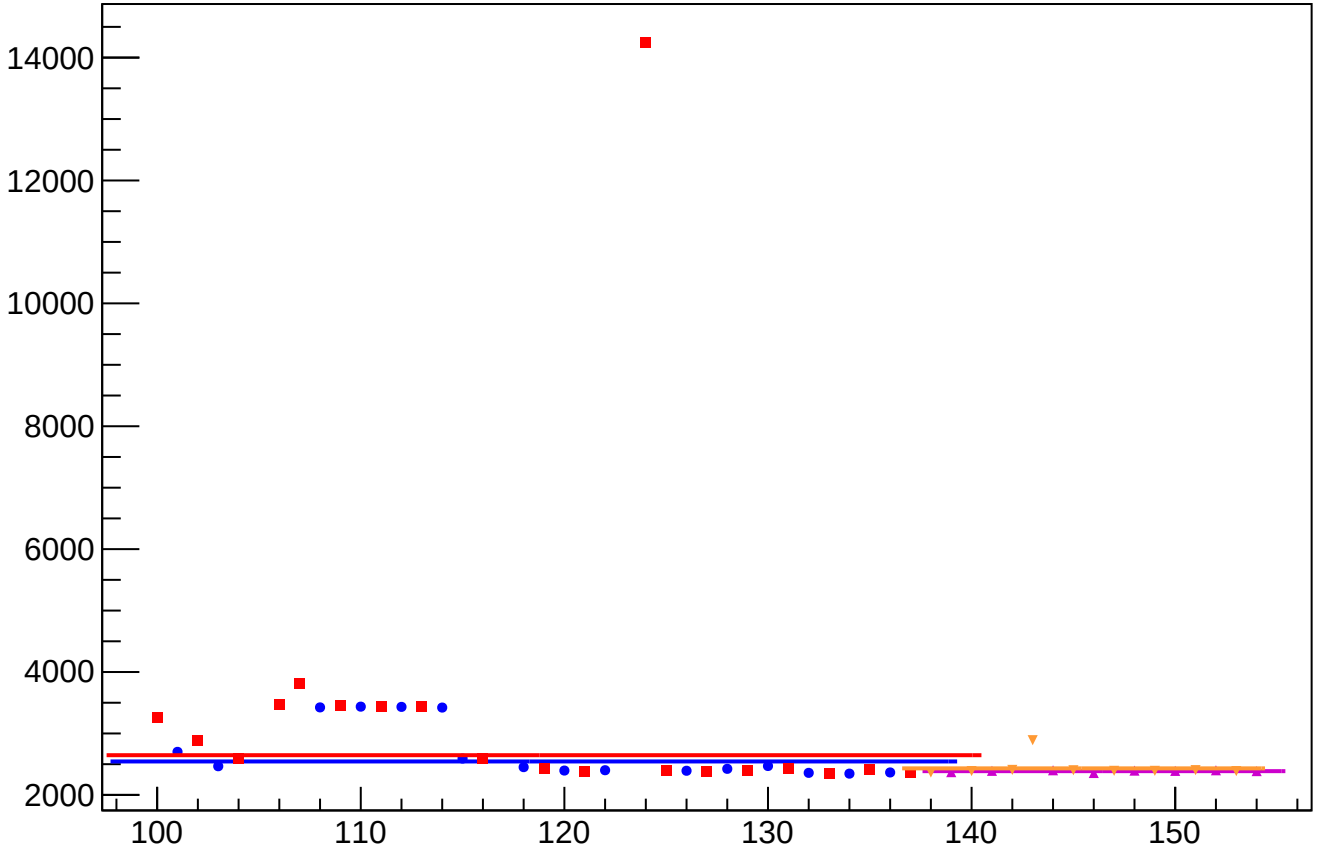
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1727.447+/-654.440 χ^2/NDF:25.8/23

Out: 1886.090+/-672.015 χ^2/NDF:33.1/27

All: 1804.667+/-468.849 χ^2/NDF: 58.9/51

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: 2386.555+/-0.637 χ^2/NDF:531.4/7

Left: 2408.786+/-0.455 χ^2/NDF: 48088.6/16

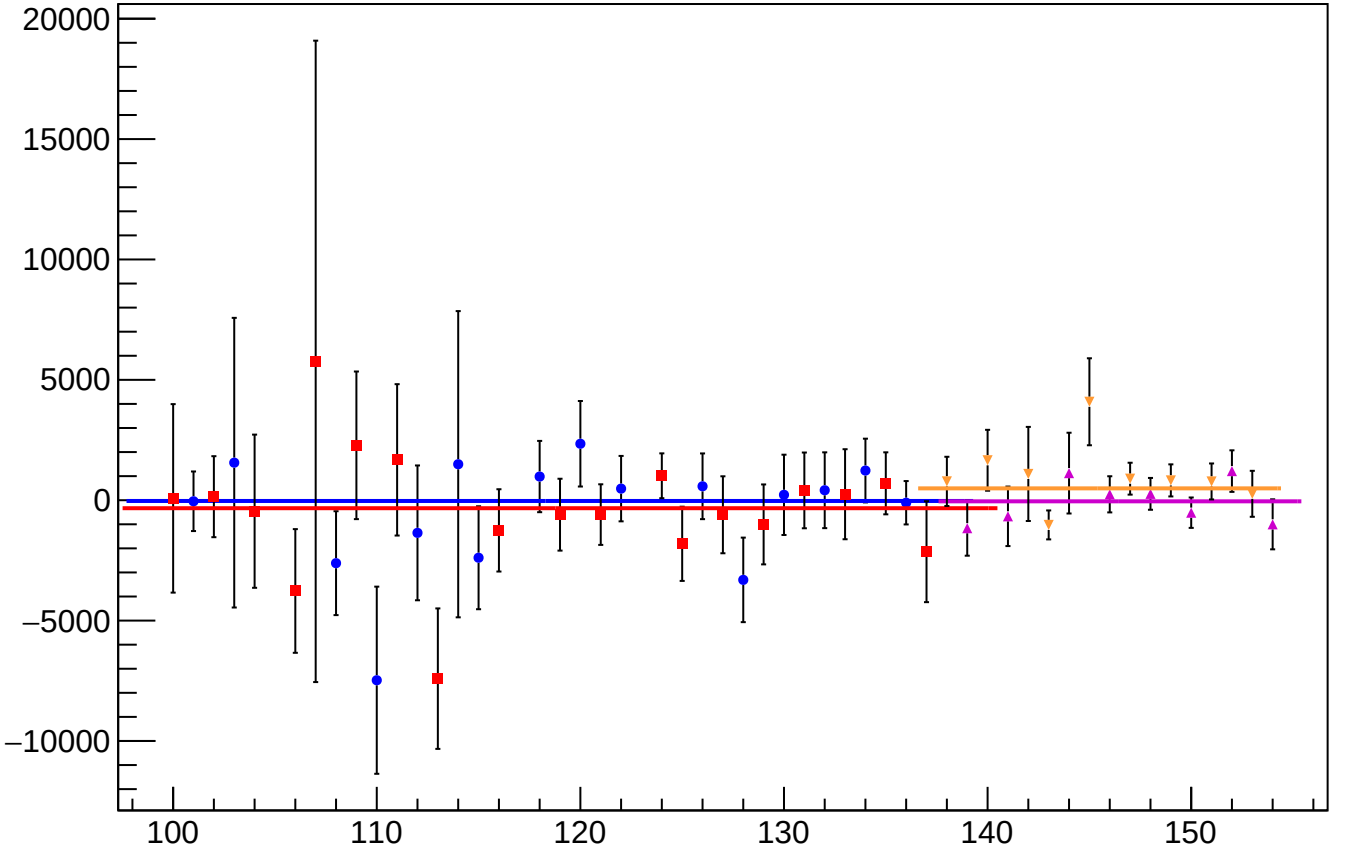
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2461.071+/-0.463 χ^2/NDF:255146.9/23

Out: 2531.576+/-0.475 χ^2/NDF:635206.9/27

All: 2495.390+/-0.332 χ^2/NDF: 901652.8/51

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -46.087+/-306.905 χ^2/NDF:5.6/7

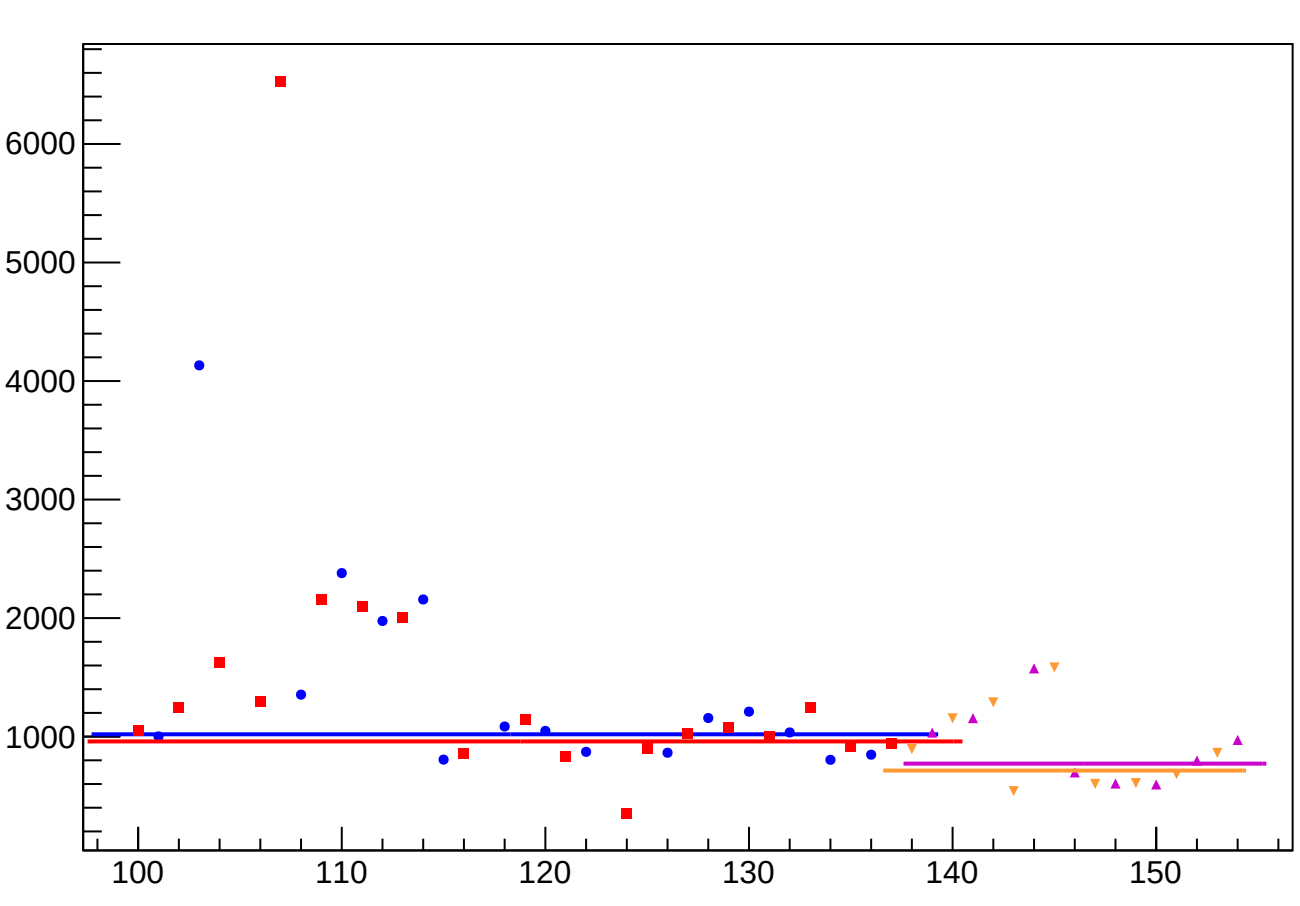
Left: 243.313+/-208.716 χ^2/NDF: 19.4/16

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -40.688+/-244.765 χ^2/NDF:19.4/23

Out: 214.566+/-231.809 χ^2/NDF:29.4/27

All: 93.873+/-168.308 χ^2/NDF: 49.3/51



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: 772.140+/-0.217 χ^2/NDF:1135684.4/7

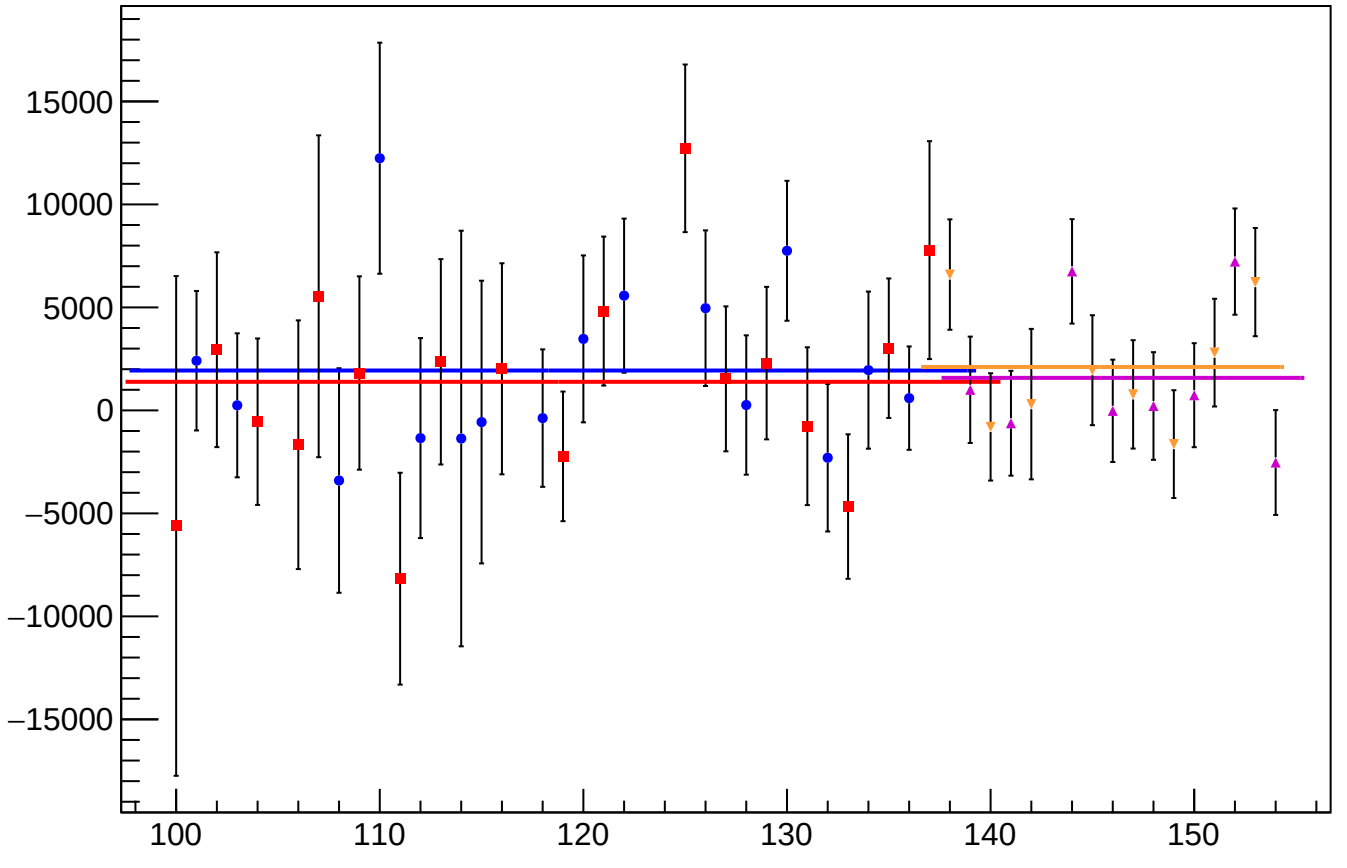
Left: 740.692+/-0.148 χ^2/NDF: 2444175.1/16

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 862.171+/-0.173 χ^2/NDF:2973327.9/23

Out: 796.429+/-0.164 χ^2/NDF:4115902.2/27

All: 827.514+/-0.119 χ^2/NDF: 7165291.2/51



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: 1578.928+/-901.606 χ^2/NDF:13.2/7

Left: 1825.826+/-657.415 χ^2/NDF: 22.4/15

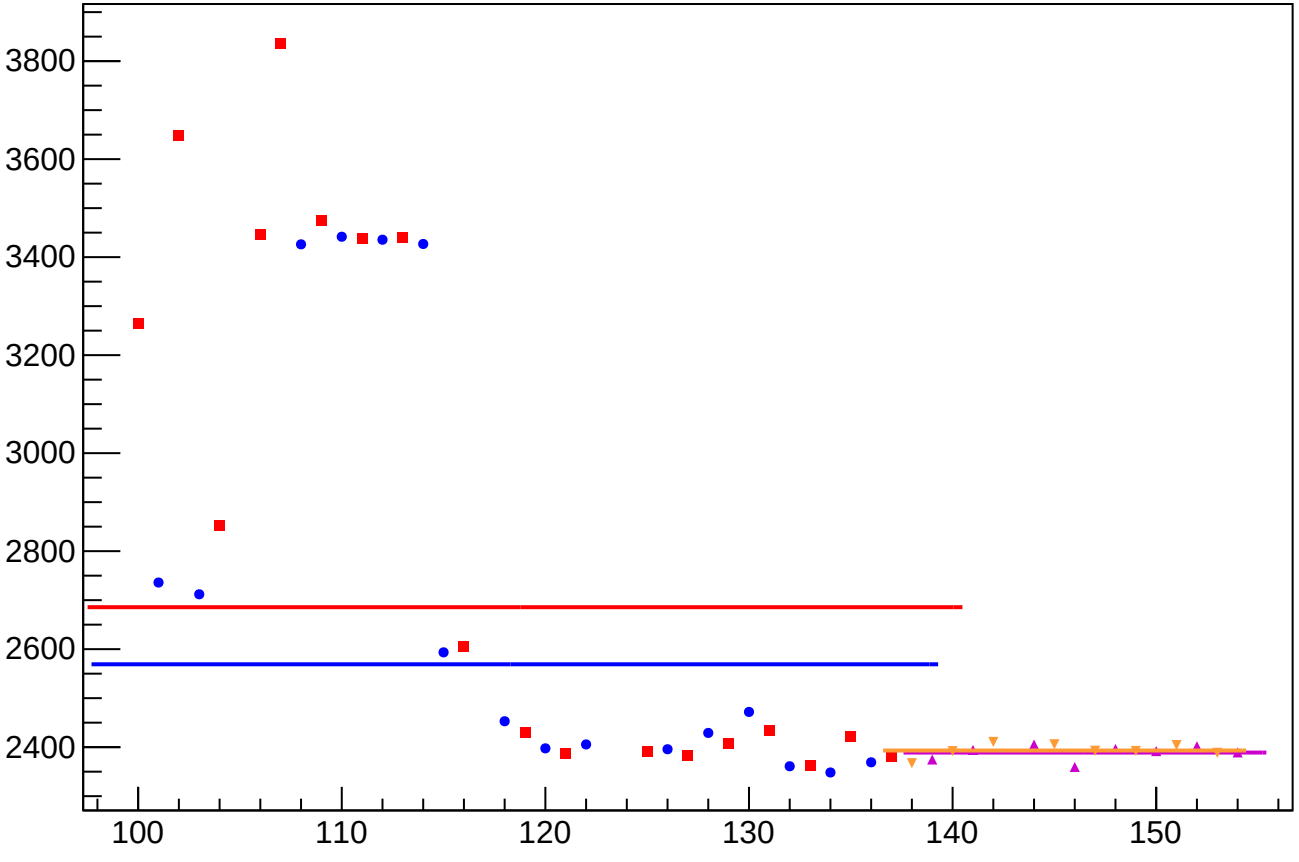
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1745.841+/-657.950 χ^2/NDF:25.6/23

Out: 1764.500+/-695.782 χ^2/NDF:29.2/25

All: 1754.649+/-478.056 χ^2/NDF: 54.7/49

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: 2389.003+/-0.638 χ^2/NDF:500.4/7

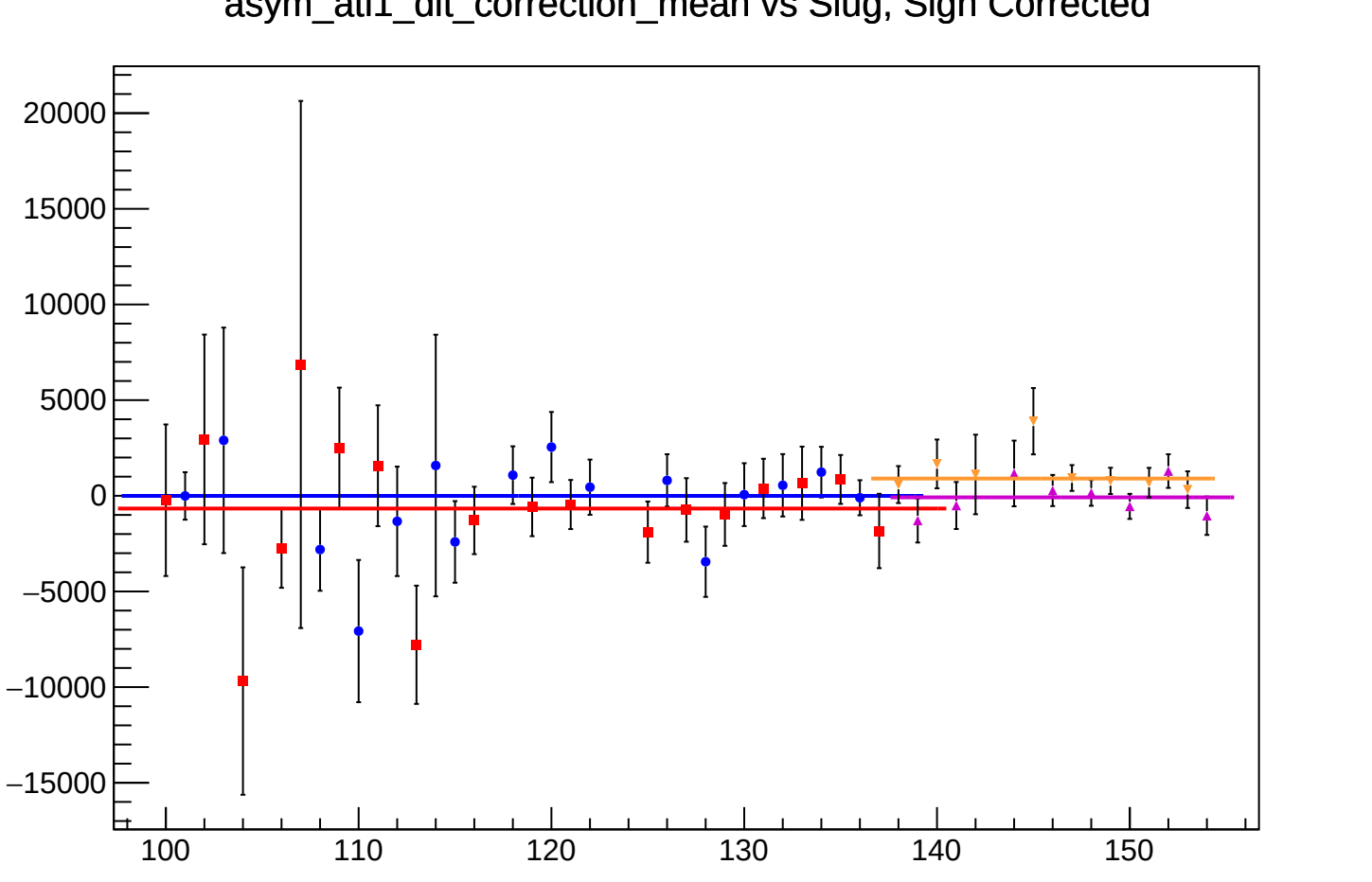
Left: 2390.958+/-0.465 χ^2/NDF: 841.3/15

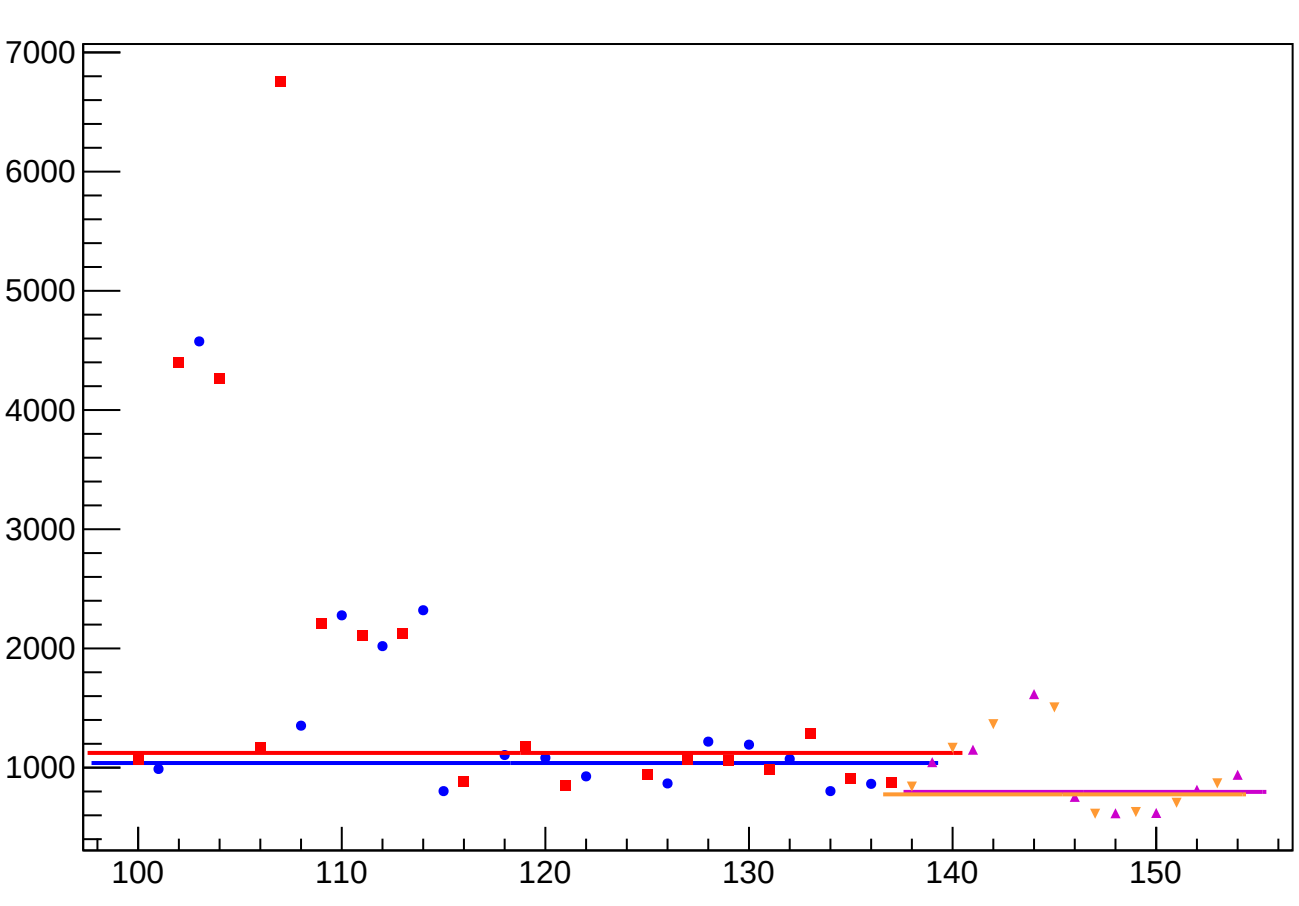
Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2473.205+/-0.465 χ^2/NDF:267304.2/23

Out: 2532.236+/-0.492 χ^2/NDF:507733.9/25

All: 2501.072+/-0.338 χ^2/NDF: 782638.1/49


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: -81.574+/-314.947 χ²/NDF:5.9/7
Left: 390.681+/-226.954 χ²/NDF: 14.6/15
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: -53.415+/-250.269 χ²/NDF:20.5/23
Out: 374.922+/-266.801 χ²/NDF:26.0/25
All: 147.072+/-182.532 χ²/NDF: 47.9/49



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: 796.577+/-0.223 χ^2/NDF:1050446.4/7

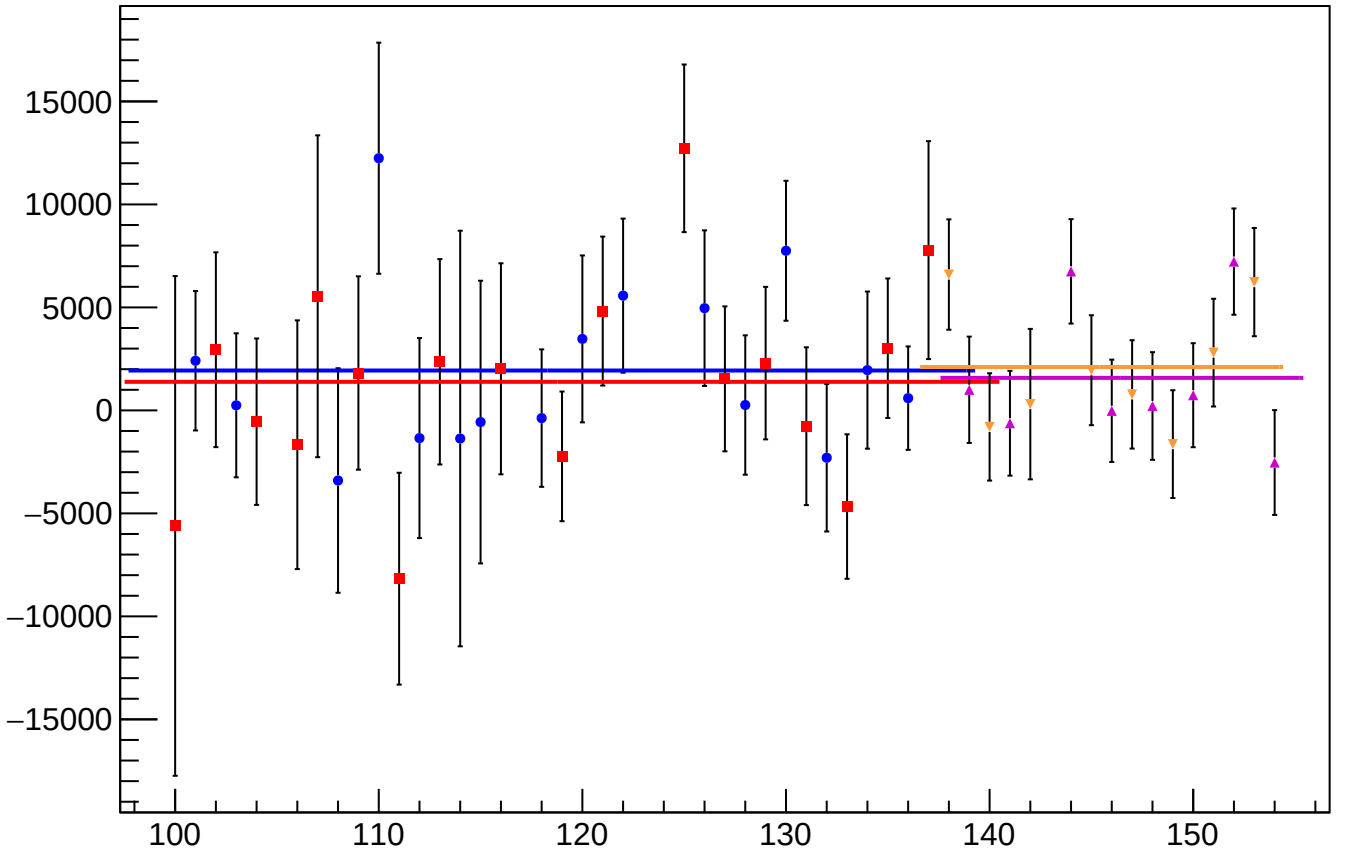
Left: 786.621+/-0.160 χ^2/NDF: 2009955.6/15

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 885.849+/-0.177 χ^2/NDF:3026185.2/23

Out: 892.543+/-0.189 χ^2/NDF:4247903.9/25

All: 888.982+/-0.129 χ^2/NDF: 7274758.8/49



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: 1578.927+/-901.606 χ^2/NDF:13.2/7

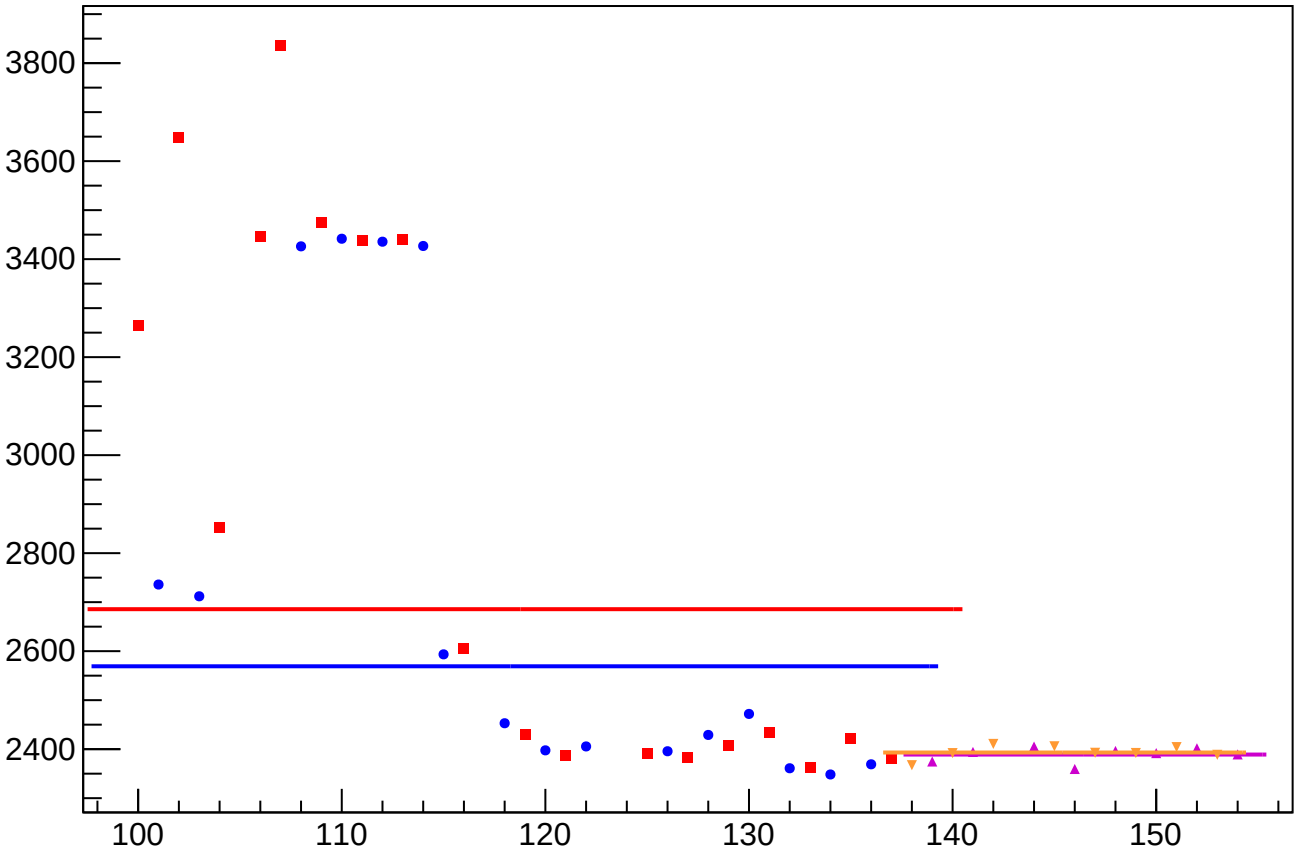
Left: 1825.827+/-657.415 χ^2/NDF: 22.4/15

Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1745.839+/-657.950 χ^2/NDF:25.6/23

Out: 1764.500+/-695.782 χ^2/NDF:29.2/25

All: 1754.648+/-478.056 χ^2/NDF: 54.7/49



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: 2389.003+/-0.638 χ^2/NDF:500.4/7

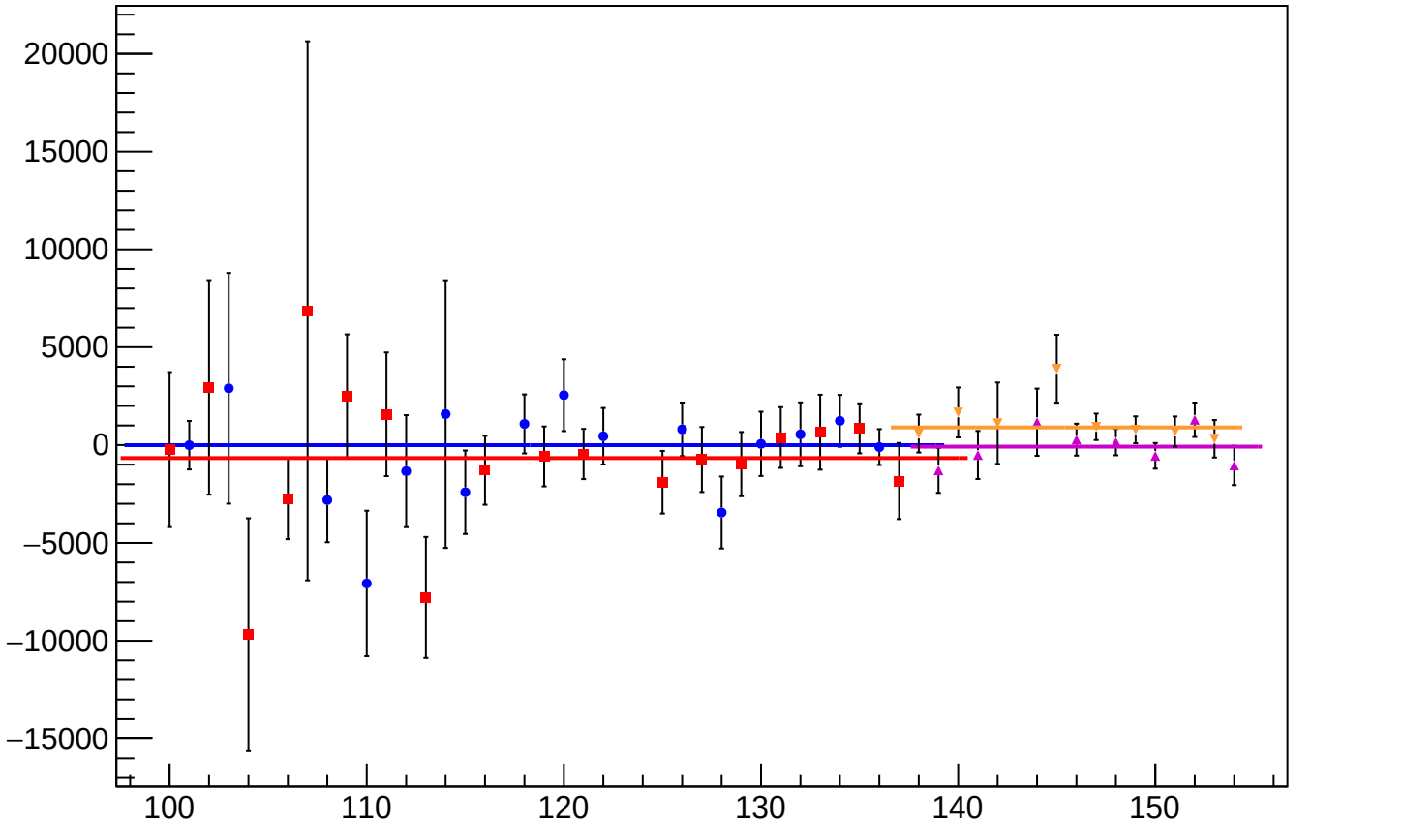
Left: 2390.958+/-0.465 χ^2/NDF: 841.3/15

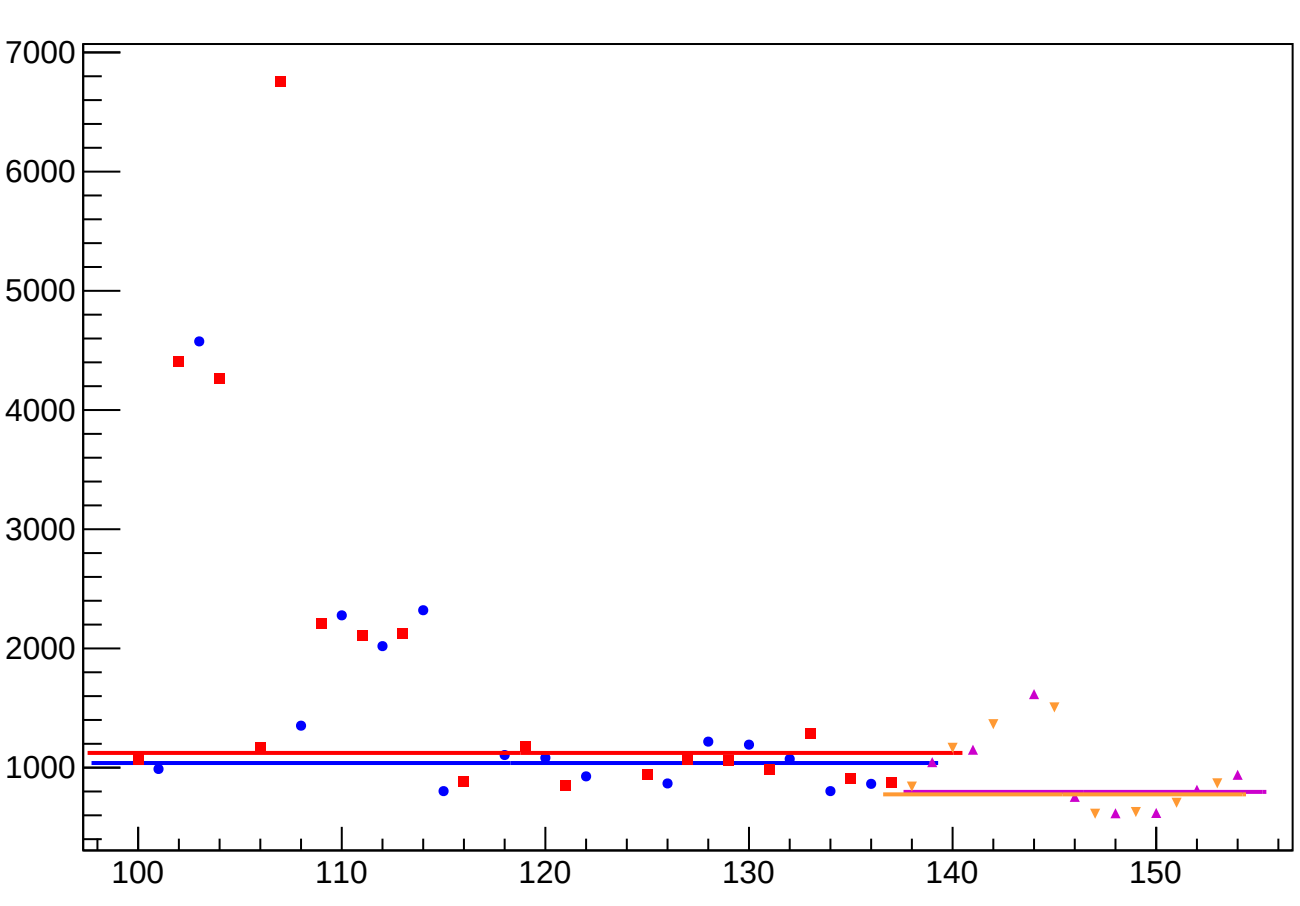
Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2473.205+/-0.465 χ^2/NDF:267303.8/23

Out: 2532.235+/-0.492 χ^2/NDF:507733.1/25

All: 2501.072+/-0.338 χ^2/NDF: 782636.9/49


asym_atl1_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -5.172+/-412.248 χ²/NDF: 14.5/15
Left Out: 900.817+/-327.334 χ²/NDF:3.9/7
Right Out: -665.953+/-460.513 χ²/NDF: 14.4/17
Left In: -81.574+/-314.947 χ²/NDF:5.9/7
Left: 390.682+/-226.954 χ²/NDF: 14.6/15
Right: -299.132+/-307.154 χ²/NDF: 30.0/33
In: -53.416+/-250.269 χ²/NDF:20.5/23
Out: 374.922+/-266.802 χ²/NDF:26.0/25
All: 147.071+/-182.532 χ²/NDF: 47.9/49



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: 796.578+/-0.223 χ^2/NDF:1050443.7/7

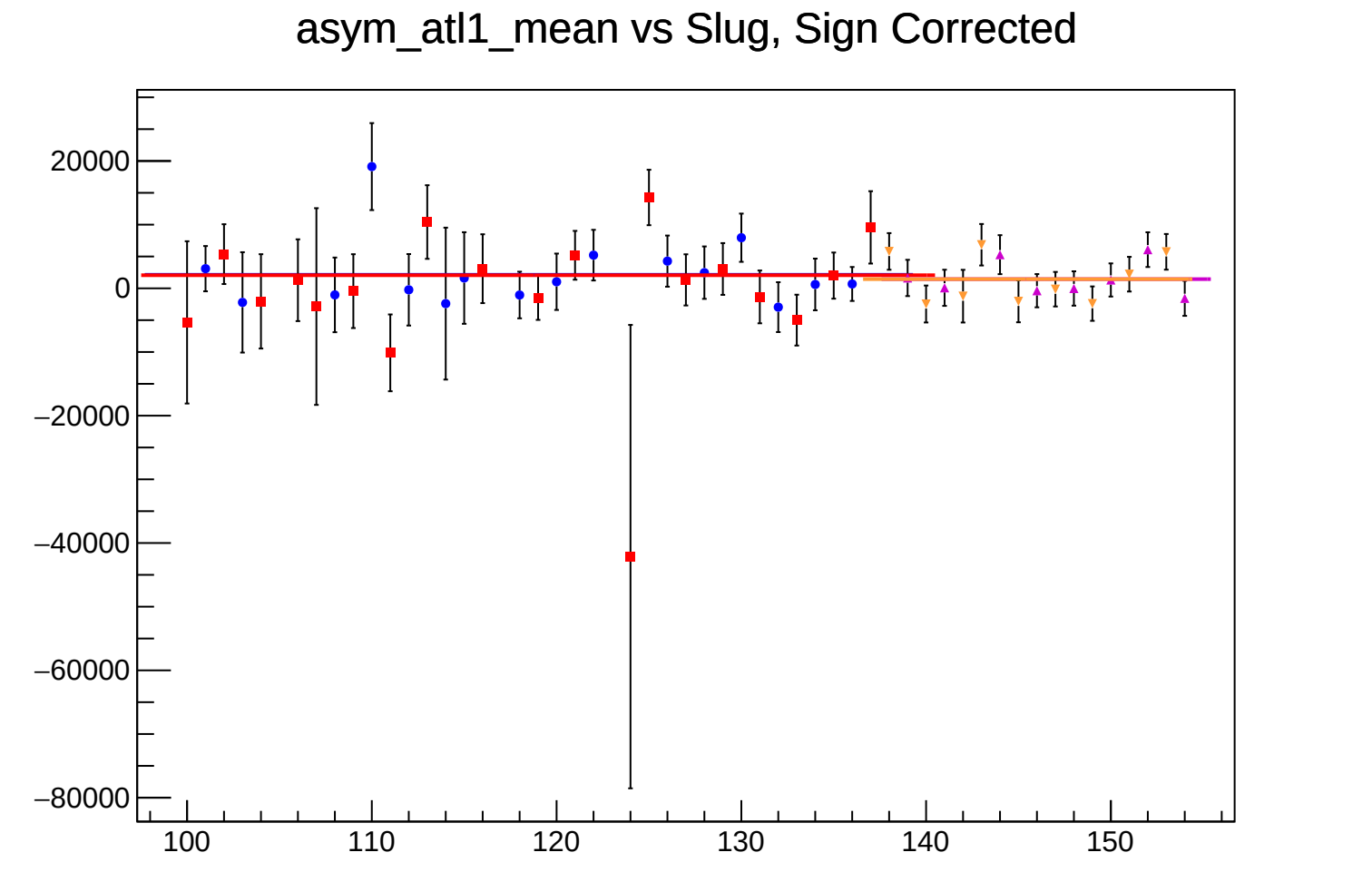
Left: 786.622+/-0.160 χ^2/NDF: 2009950.5/15

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 885.850+/-0.177 χ^2/NDF:3026173.3/23

Out: 892.544+/-0.189 χ^2/NDF:4247893.9/25

All: 888.983+/-0.129 χ^2/NDF: 7274736.8/49



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: 1445.421+/-974.669 χ^2/NDF:6.7/7

Left: 1445.707+/-694.607 χ^2/NDF: 19.9/16

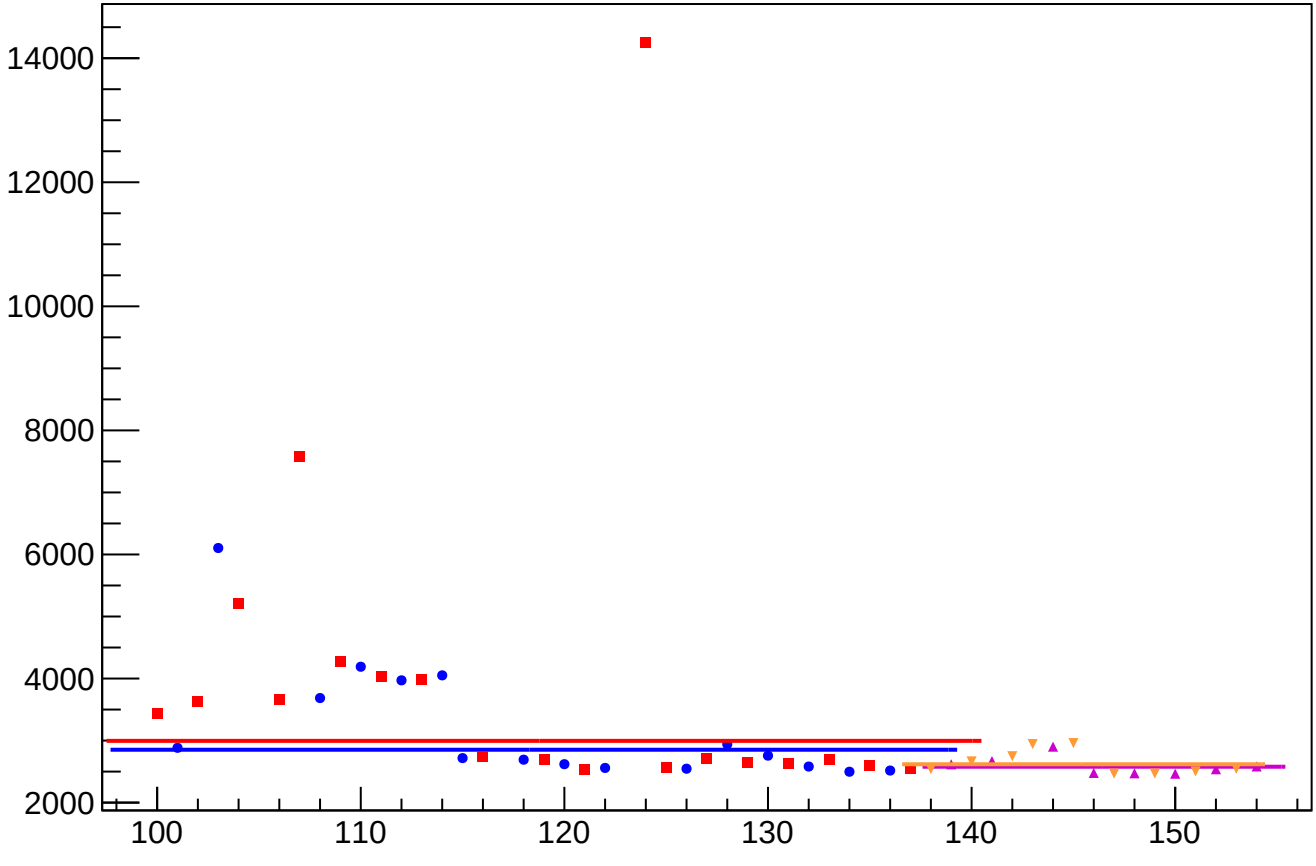
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1747.660+/-724.984 χ^2/NDF:20.3/23

Out: 1710.757+/-746.650 χ^2/NDF:37.7/27

All: 1729.752+/-520.132 χ^2/NDF: 57.9/51

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: 2578.539+/-0.689 χ^2/NDF:34958.5/7

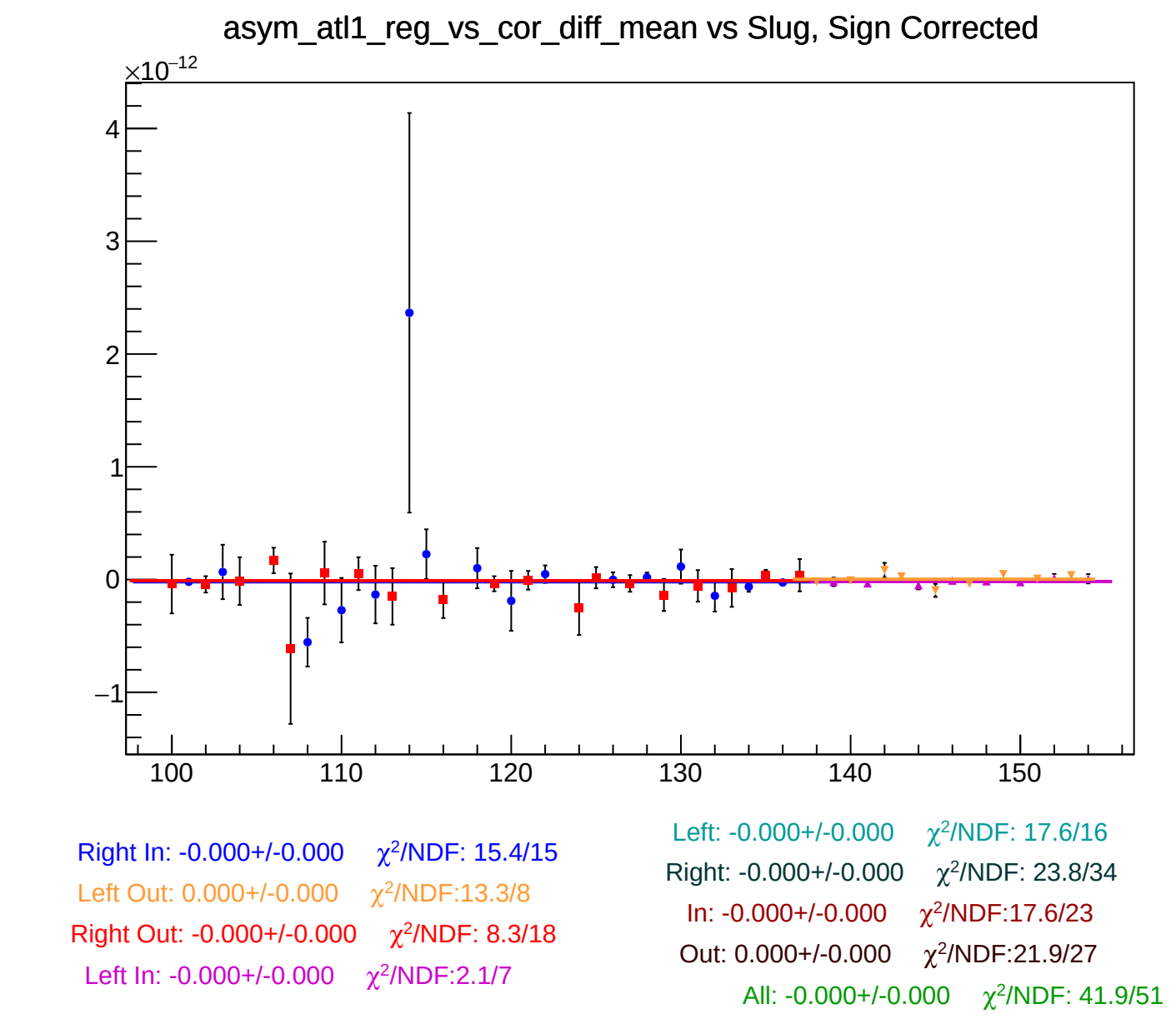
Left: 2597.987+/-0.491 χ^2/NDF: 99086.8/16

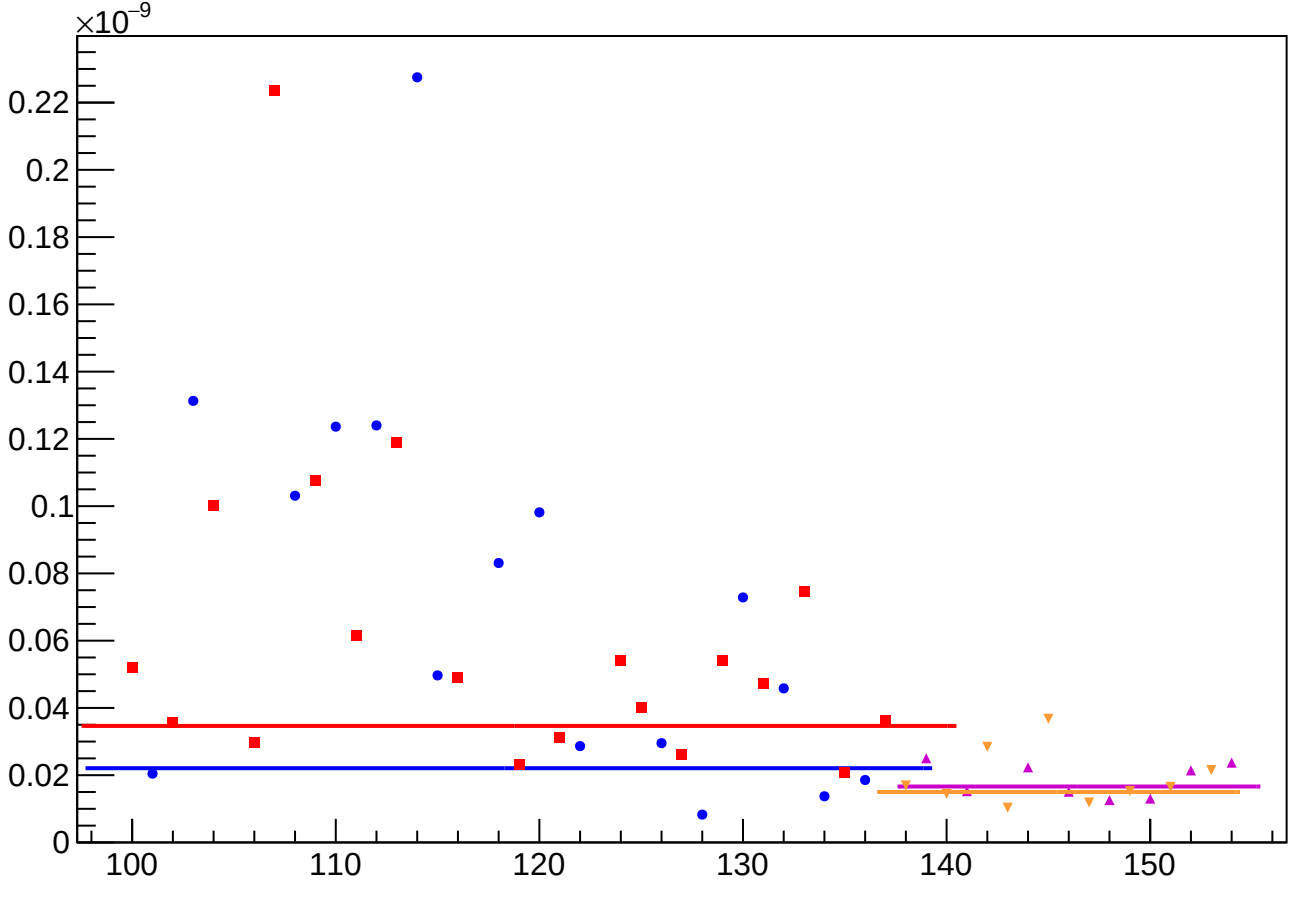
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2700.792+/-0.513 χ^2/NDF:754110.2/23

Out: 2780.890+/-0.528 χ^2/NDF:1167061.2/27

All: 2739.662+/-0.368 χ^2/NDF: 1933018.4/51


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:13.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:2.1/7
Left: -0.000+/-0.000 χ²/NDF: 17.6/16
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:17.6/23
Out: 0.000+/-0.000 χ²/NDF:21.9/27
All: -0.000+/-0.000 χ²/NDF: 41.9/51



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:355777.6/7

Left: 0.000+/-0.000 χ^2/NDF: 988717.9/16

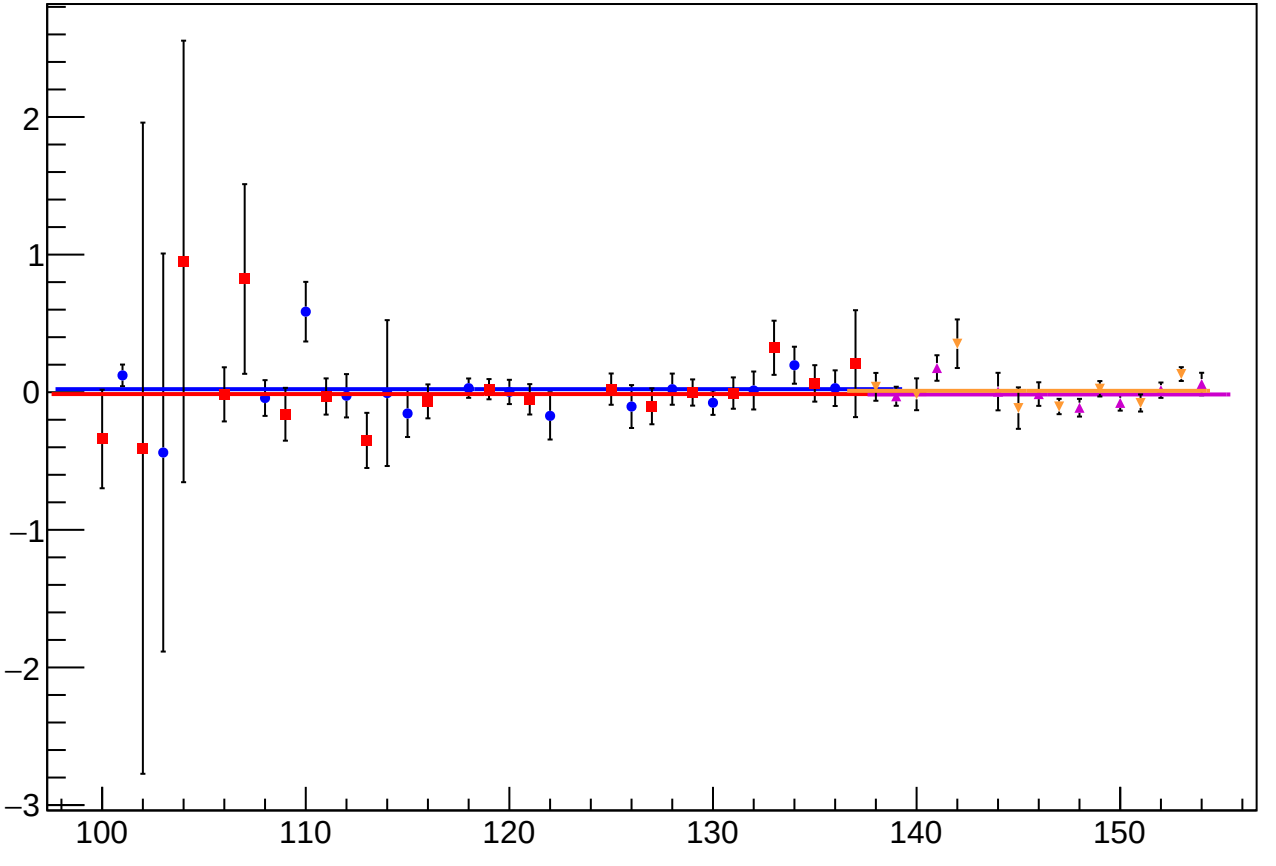
Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2845267.4/23

Out: 0.000+/-0.000 χ^2/NDF:2977385.5/27

All: 0.000+/-0.000 χ^2/NDF: 5827829.2/51

asym_atl1_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: -0.016+/-0.025 χ^2/NDF:8.9/7

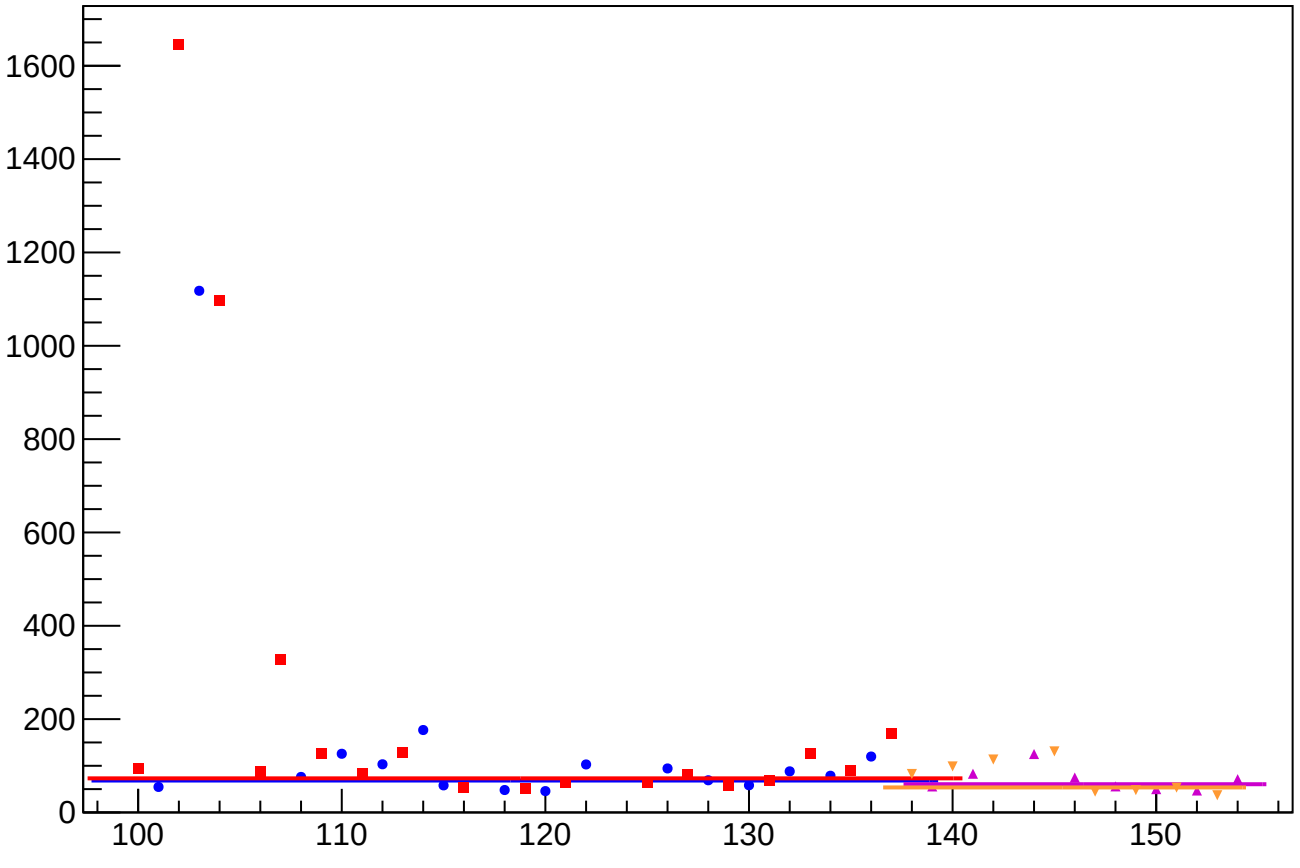
Left: -0.003+/-0.018 χ^2/NDF: 26.2/15

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.000+/-0.019 χ^2/NDF:24.7/23

Out: 0.001+/-0.020 χ^2/NDF:27.9/25

All: 0.001+/-0.014 χ^2/NDF: 52.6/49



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: 60.496+/-0.018 χ^2/NDF:864594.0/7

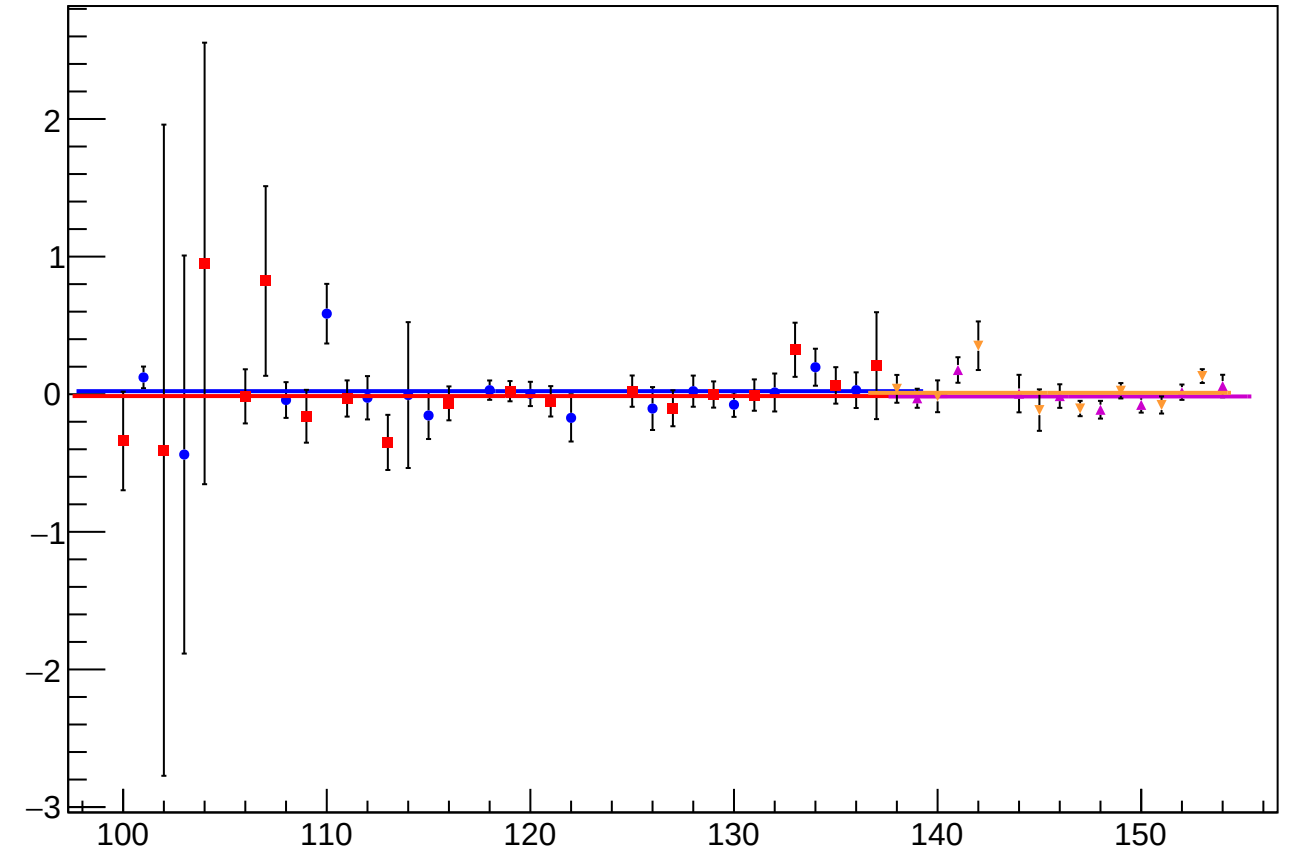
Left: 57.049+/-0.013 χ^2/NDF: 2453743.2/15

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 63.801+/-0.014 χ^2/NDF:3223472.4/23

Out: 60.733+/-0.014 χ^2/NDF:4857620.1/25

All: 62.328+/-0.010 χ^2/NDF: 8104951.6/49



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: -0.016+/-0.025 χ^2/NDF:8.9/7

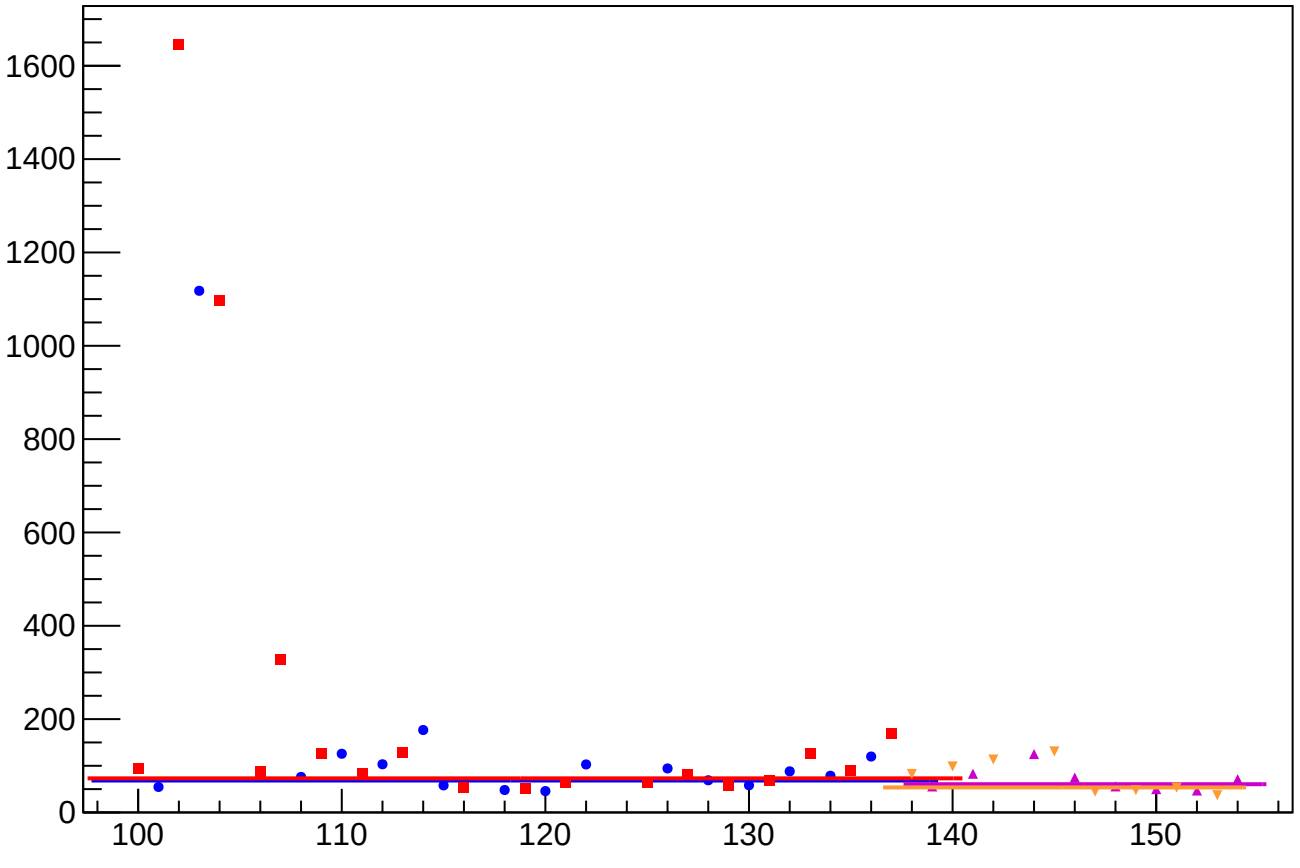
Left: -0.003+/-0.018 χ^2/NDF: 26.2/15

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.000+/-0.019 χ^2/NDF:24.7/23

Out: 0.001+/-0.020 χ^2/NDF:27.9/25

All: 0.001+/-0.014 χ^2/NDF: 52.6/49



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: 60.496+/-0.018 χ^2/NDF:864594.0/7

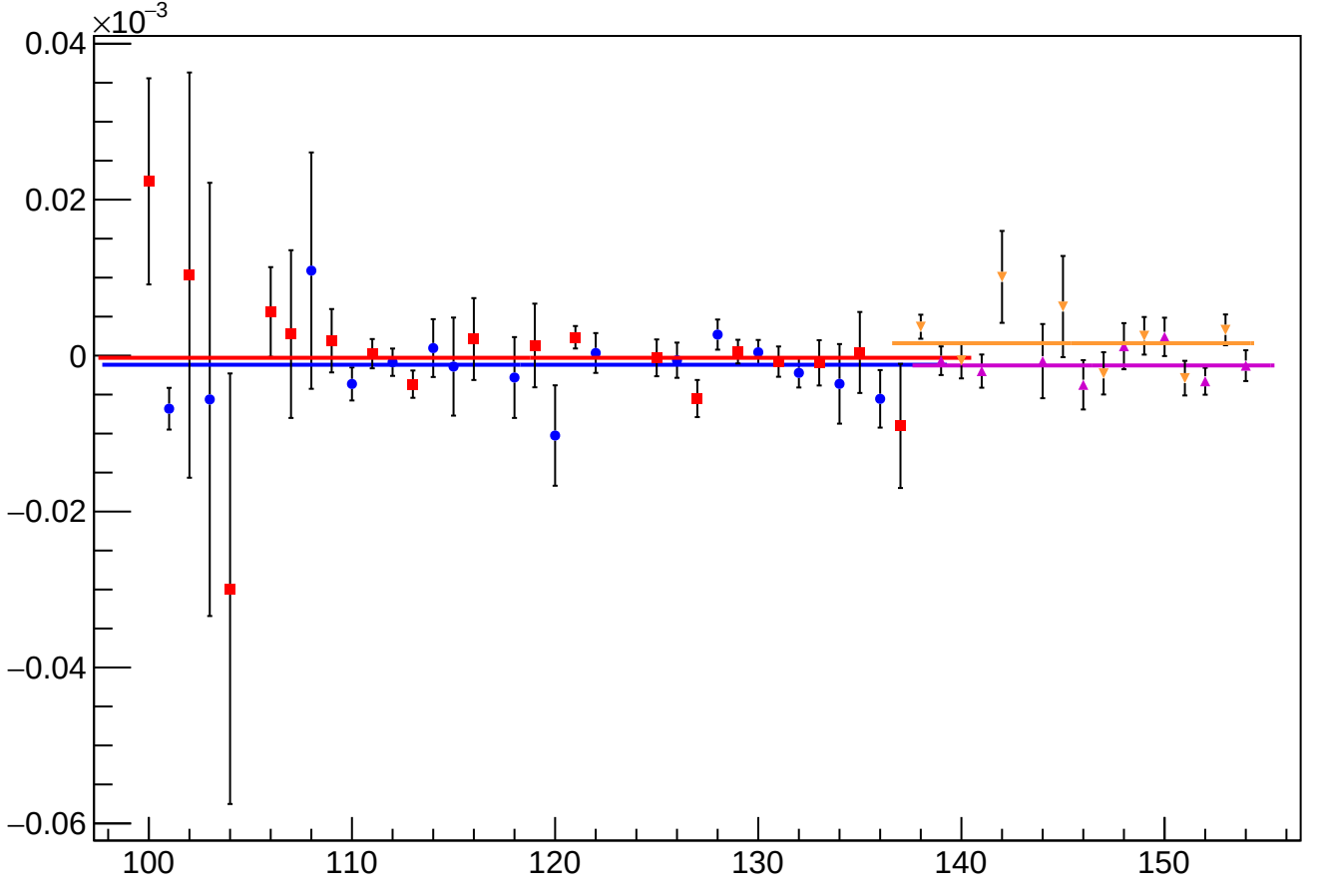
Left: 57.049+/-0.013 χ^2/NDF: 2453743.2/15

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 63.801+/-0.014 χ^2/NDF:3223472.4/23

Out: 60.733+/-0.014 χ^2/NDF:4857620.1/25

All: 62.328+/-0.010 χ^2/NDF: 8104951.6/49



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:5.1/7

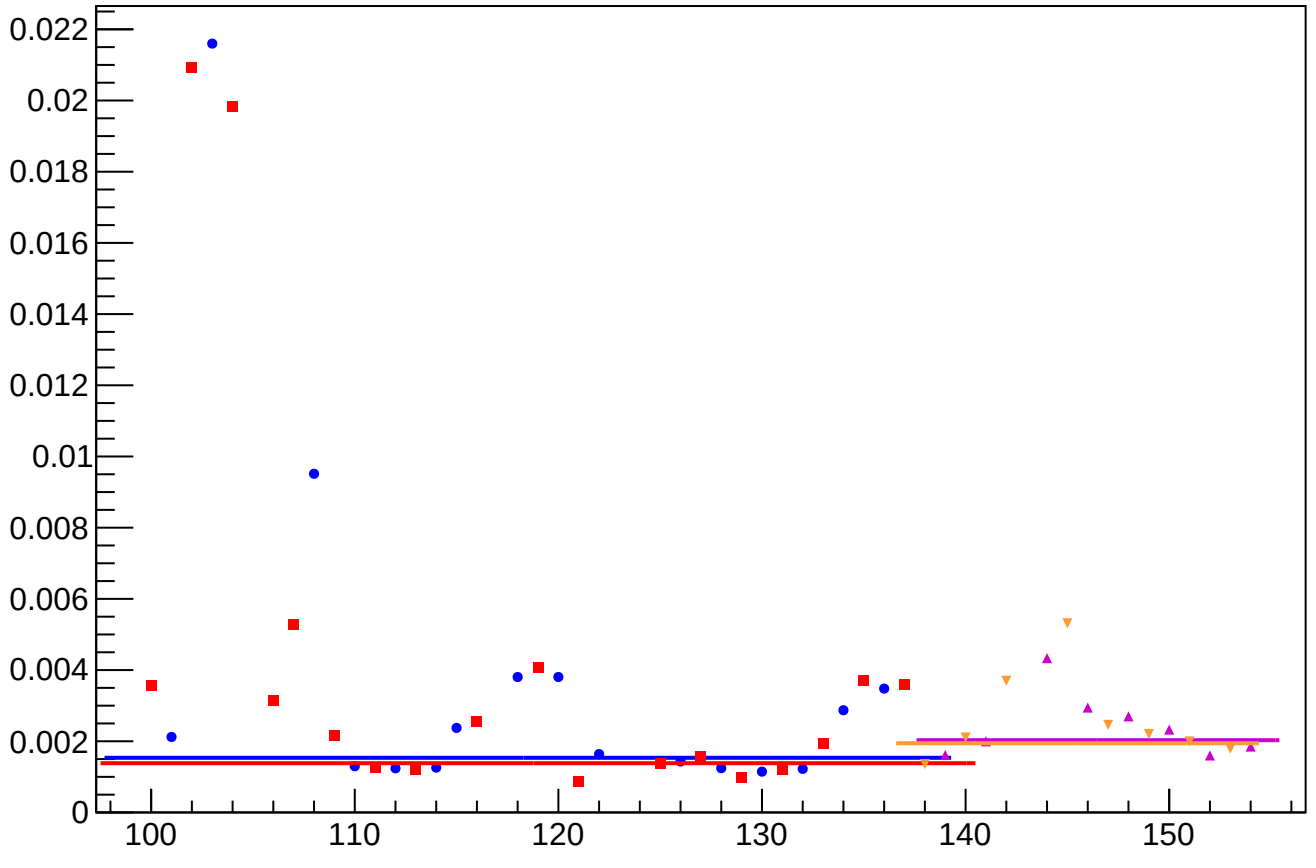
Left: 0.000+/-0.000 χ^2/NDF: 23.6/15

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:21.5/23

Out: 0.000+/-0.000 χ^2/NDF:35.1/25

All: -0.000+/-0.000 χ^2/NDF: 61.6/49



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:1012042.8/7

Left: 0.002+/-0.000 χ^2/NDF: 2148406.6/15

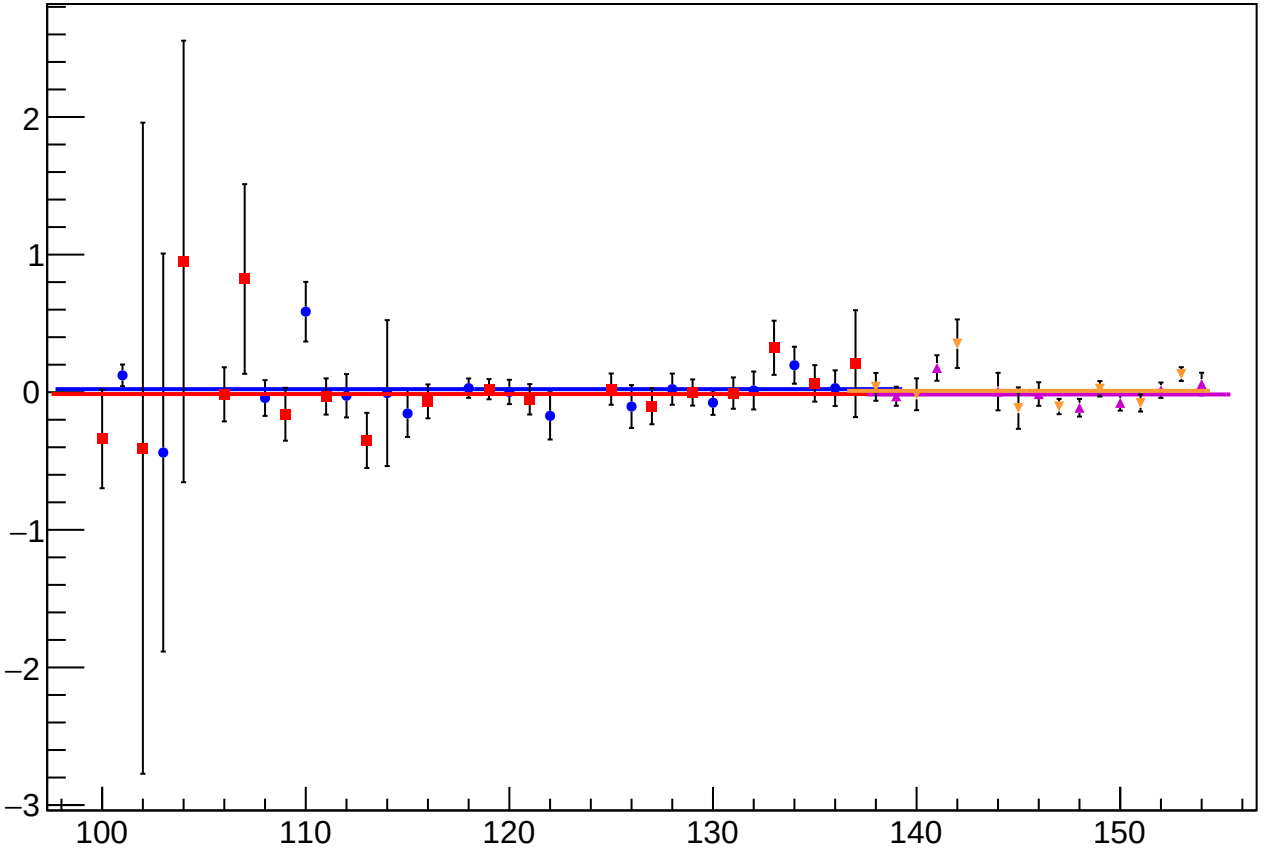
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:4831753.7/23

Out: 0.002+/-0.000 χ^2/NDF:5966122.8/25

All: 0.002+/-0.000 χ^2/NDF: 10881242.2/49

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: -0.016+/-0.025 χ^2/NDF:8.9/7

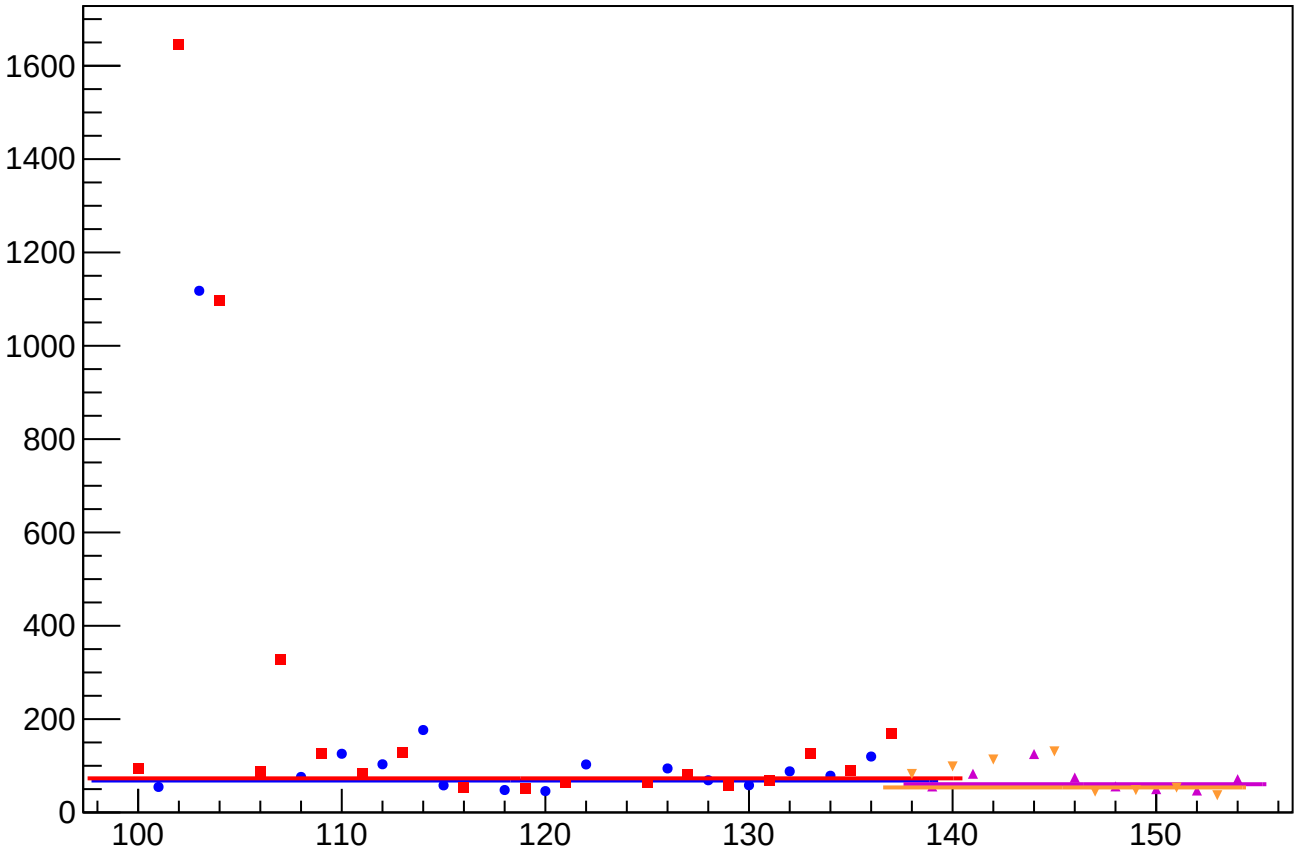
Left: -0.003+/-0.018 χ^2/NDF: 26.2/15

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.000+/-0.019 χ^2/NDF:24.7/23

Out: 0.001+/-0.020 χ^2/NDF:27.9/25

All: 0.001+/-0.014 χ^2/NDF: 52.6/49



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: 60.496+/-0.018 χ^2/NDF:864587.9/7

Left: 57.049+/-0.013 χ^2/NDF: 2453804.4/15

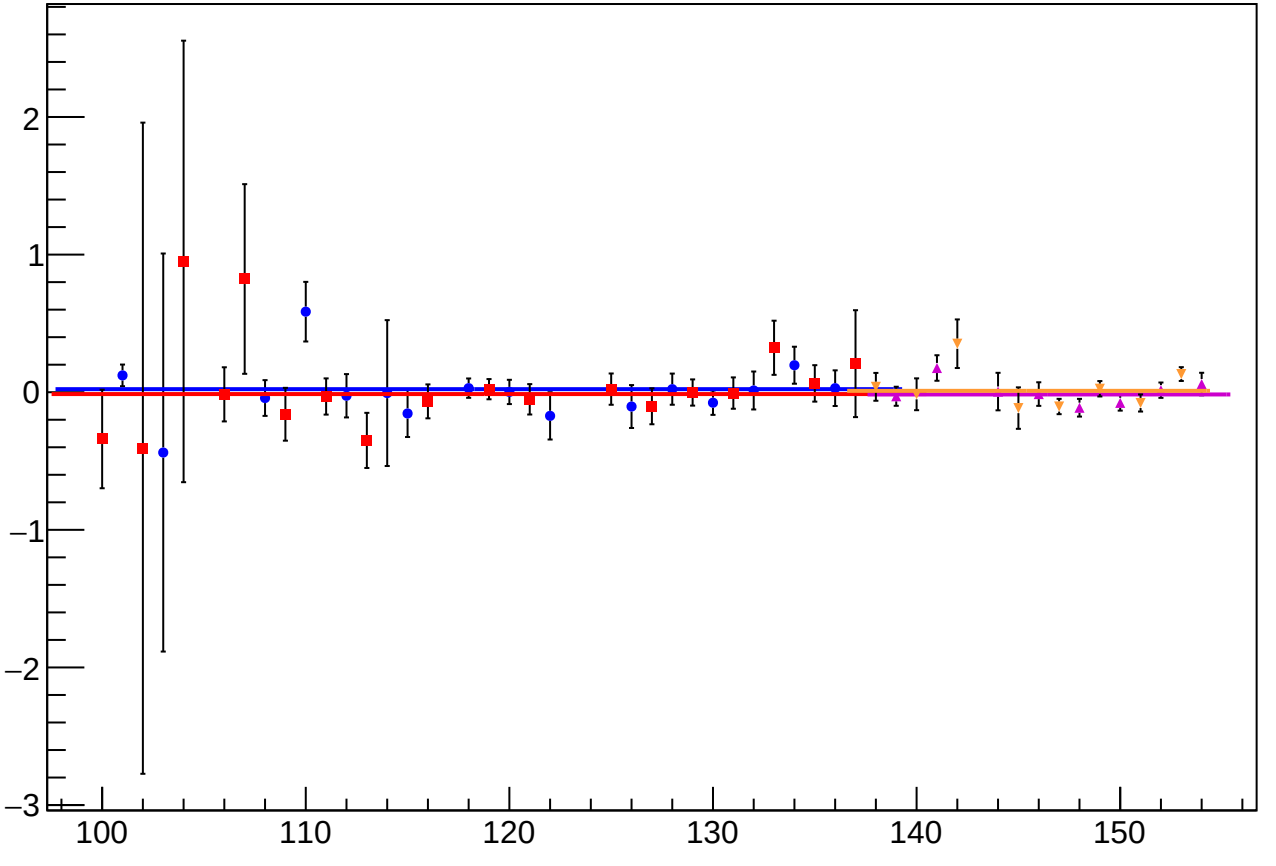
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 63.800+/-0.014 χ^2/NDF:3223532.0/23

Out: 60.733+/-0.014 χ^2/NDF:4857692.3/25

All: 62.327+/-0.010 χ^2/NDF: 8105085.6/49

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: -0.016+/-0.025 χ^2/NDF:8.9/7

Left: -0.003+/-0.018 χ^2/NDF: 26.2/15

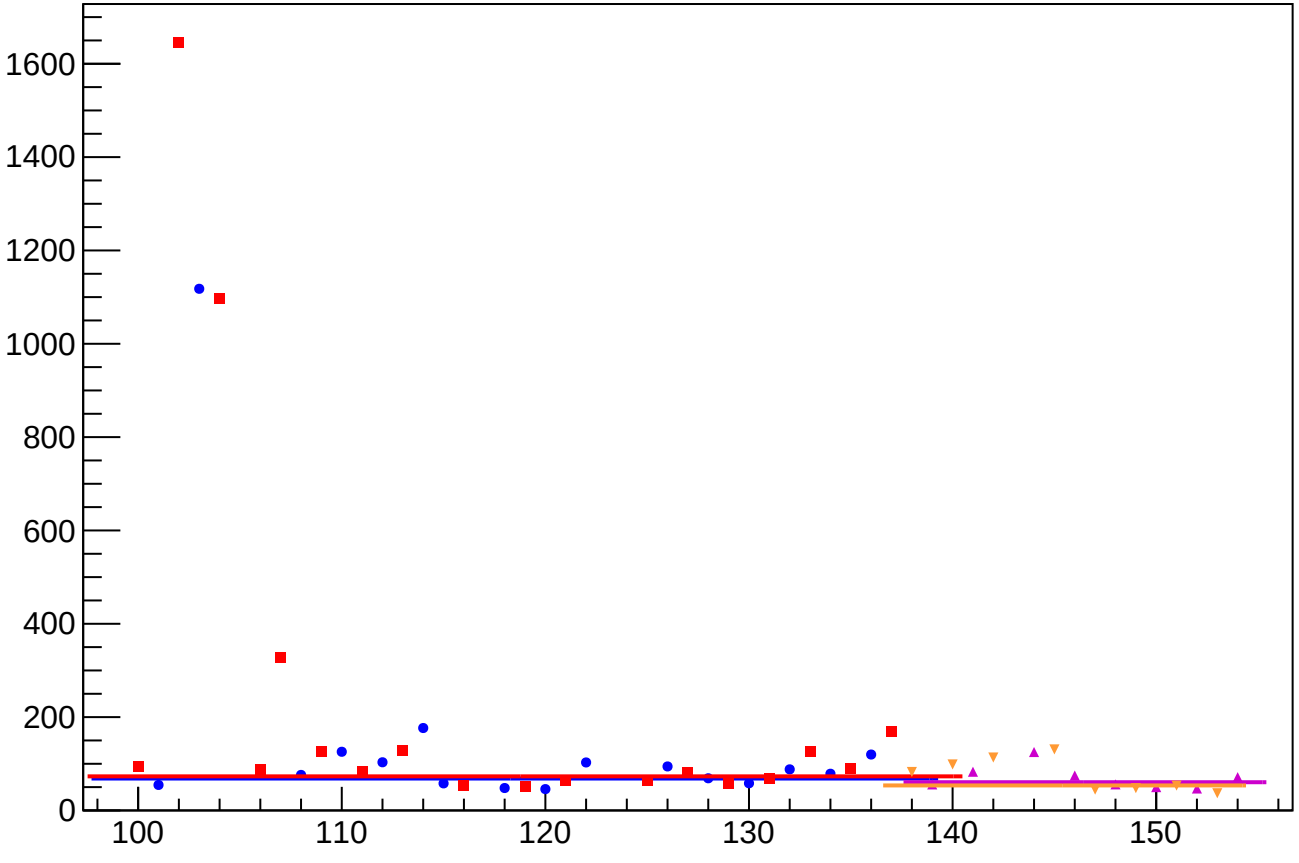
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.000+/-0.019 χ^2/NDF:24.7/23

Out: 0.001+/-0.020 χ^2/NDF:27.9/25

All: 0.001+/-0.014 χ^2/NDF: 52.6/49

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: 60.496+/-0.018 χ^2/NDF:864587.9/7

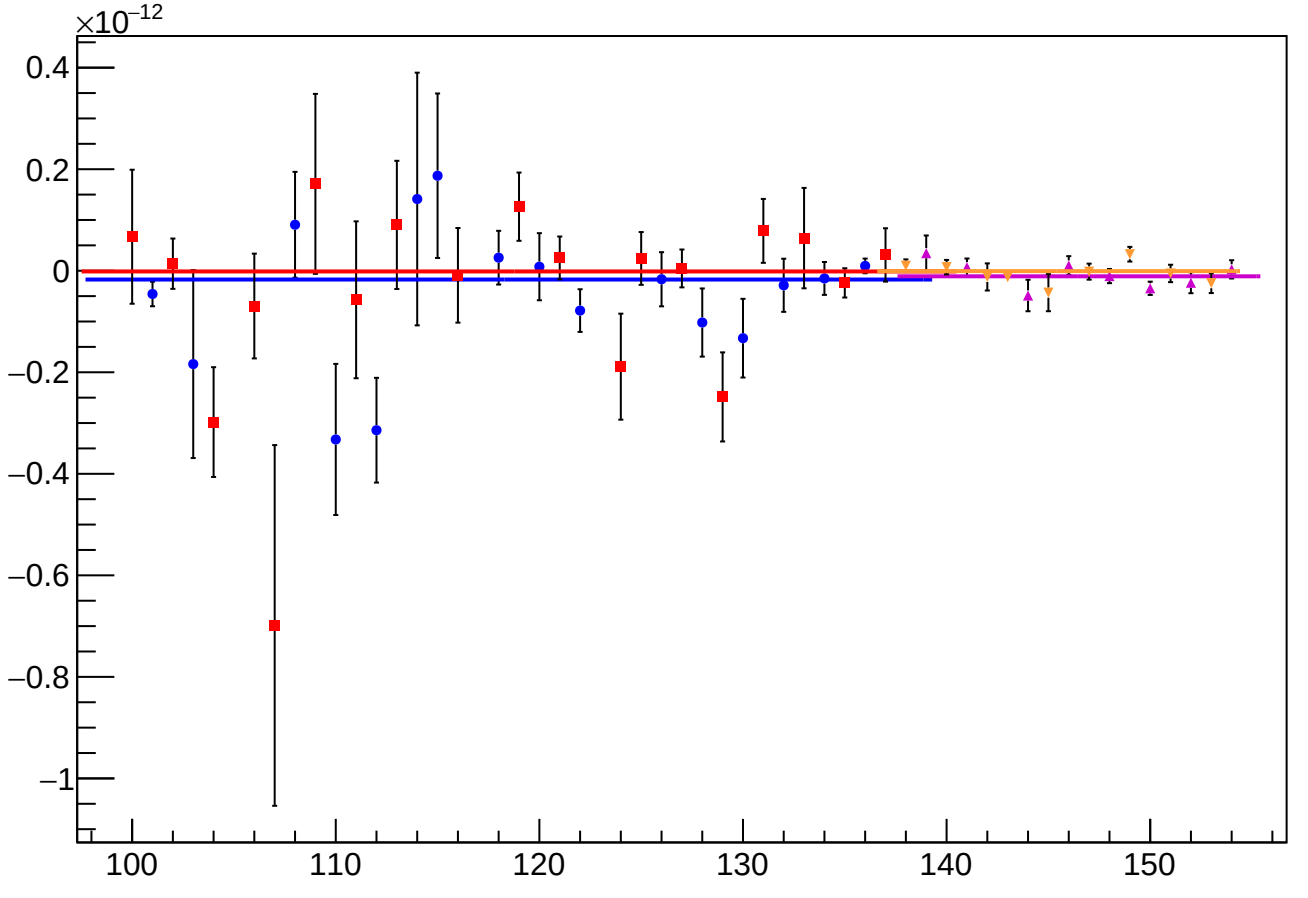
Left: 57.049+/-0.013 χ^2/NDF: 2453804.4/15

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 63.800+/-0.014 χ^2/NDF:3223532.0/23

Out: 60.733+/-0.014 χ^2/NDF:4857692.3/25

All: 62.327+/-0.010 χ^2/NDF: 8105085.6/49



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:9.9/7

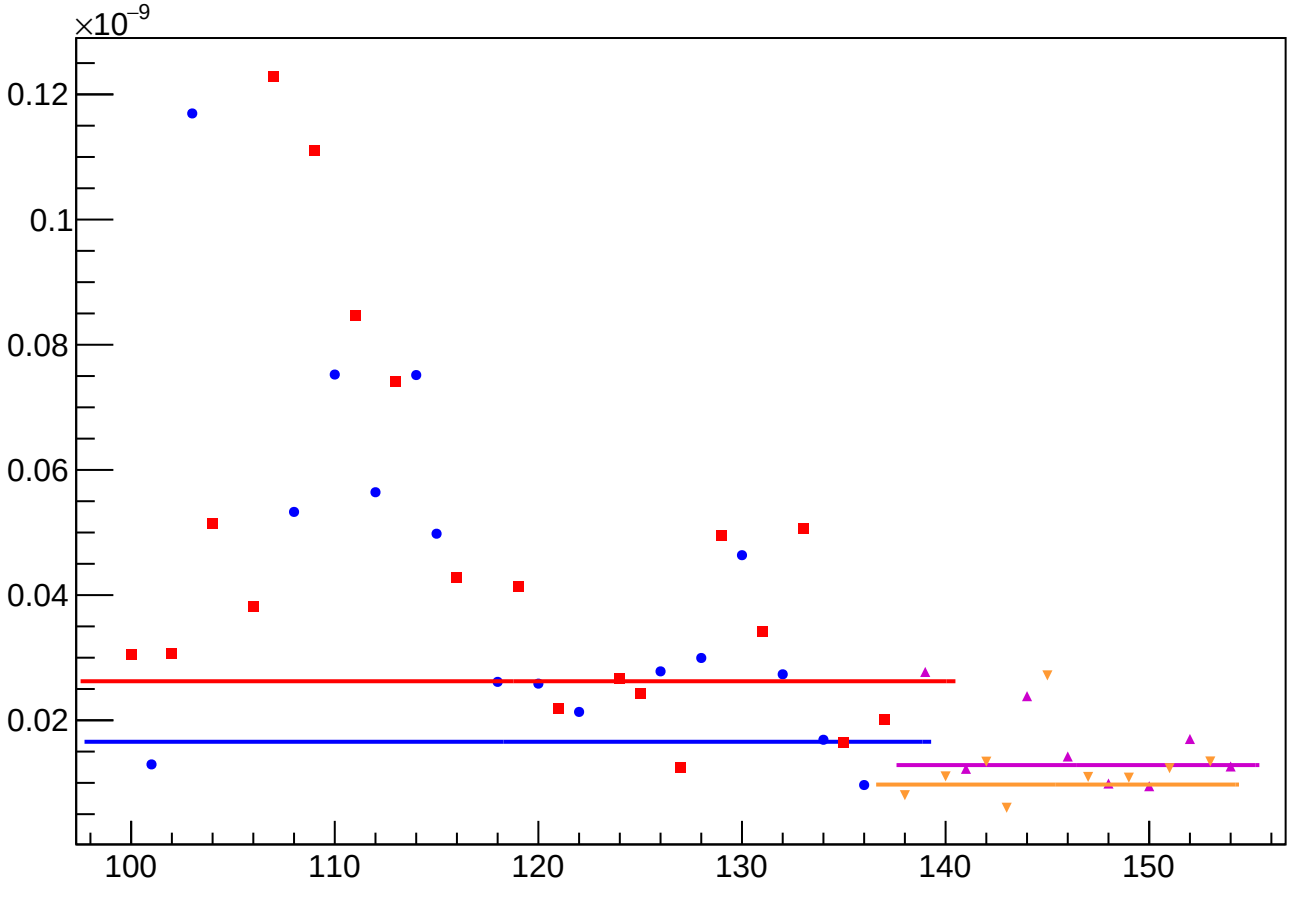
Left: -0.000+/-0.000 χ^2/NDF: 22.5/16

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:38.4/23

Out: -0.000+/-0.000 χ^2/NDF:43.3/27

All: -0.000+/-0.000 χ^2/NDF: 84.5/51



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:935278.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2231961.2/16

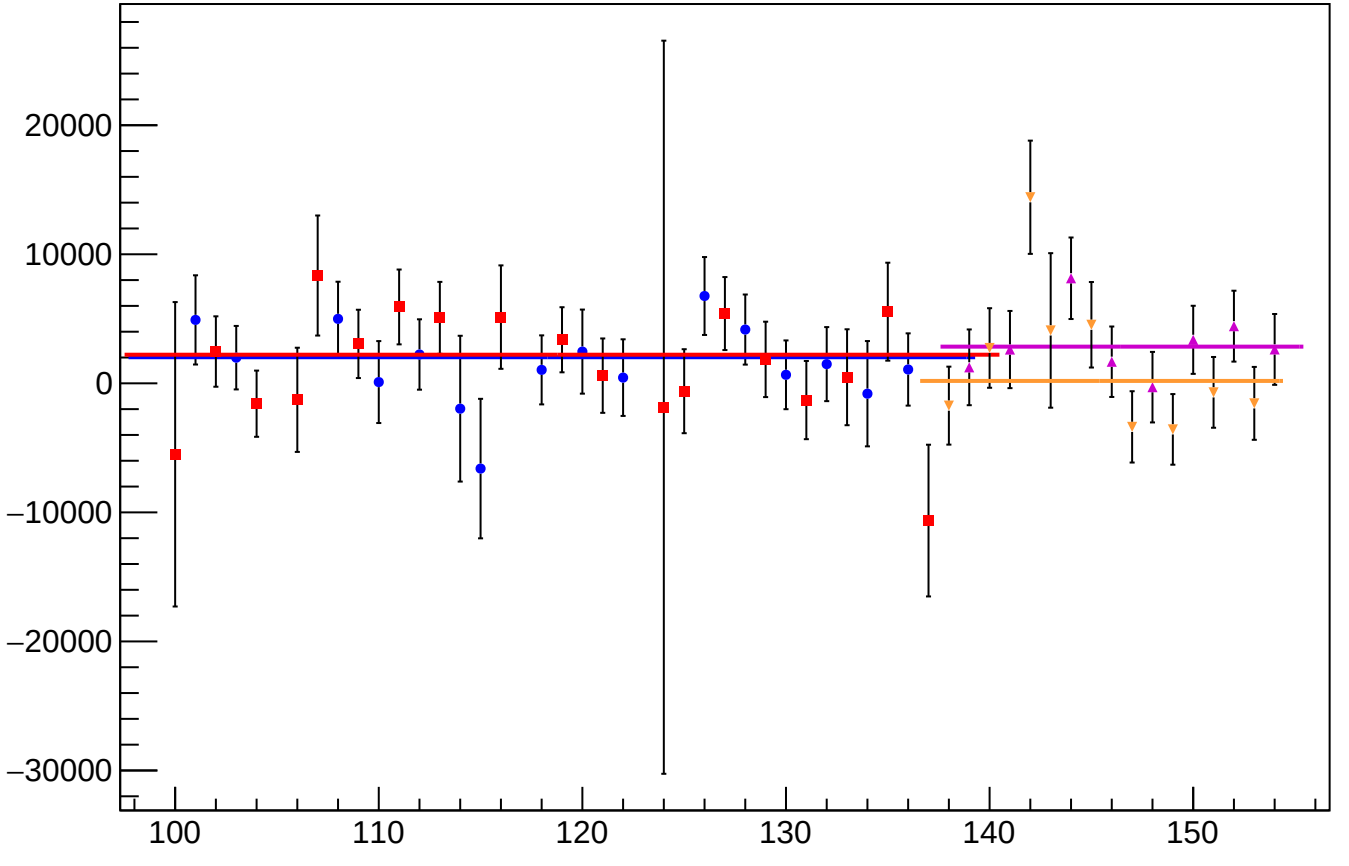
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3956473.5/23

Out: 0.000+/-0.000 χ^2/NDF:5733578.0/27

All: 0.000+/-0.000 χ^2/NDF: 9909130.3/51

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: 2842.732+/-997.424 χ^2/NDF:5.0/7

Left: 1581.309+/-722.861 χ^2/NDF: 26.2/16

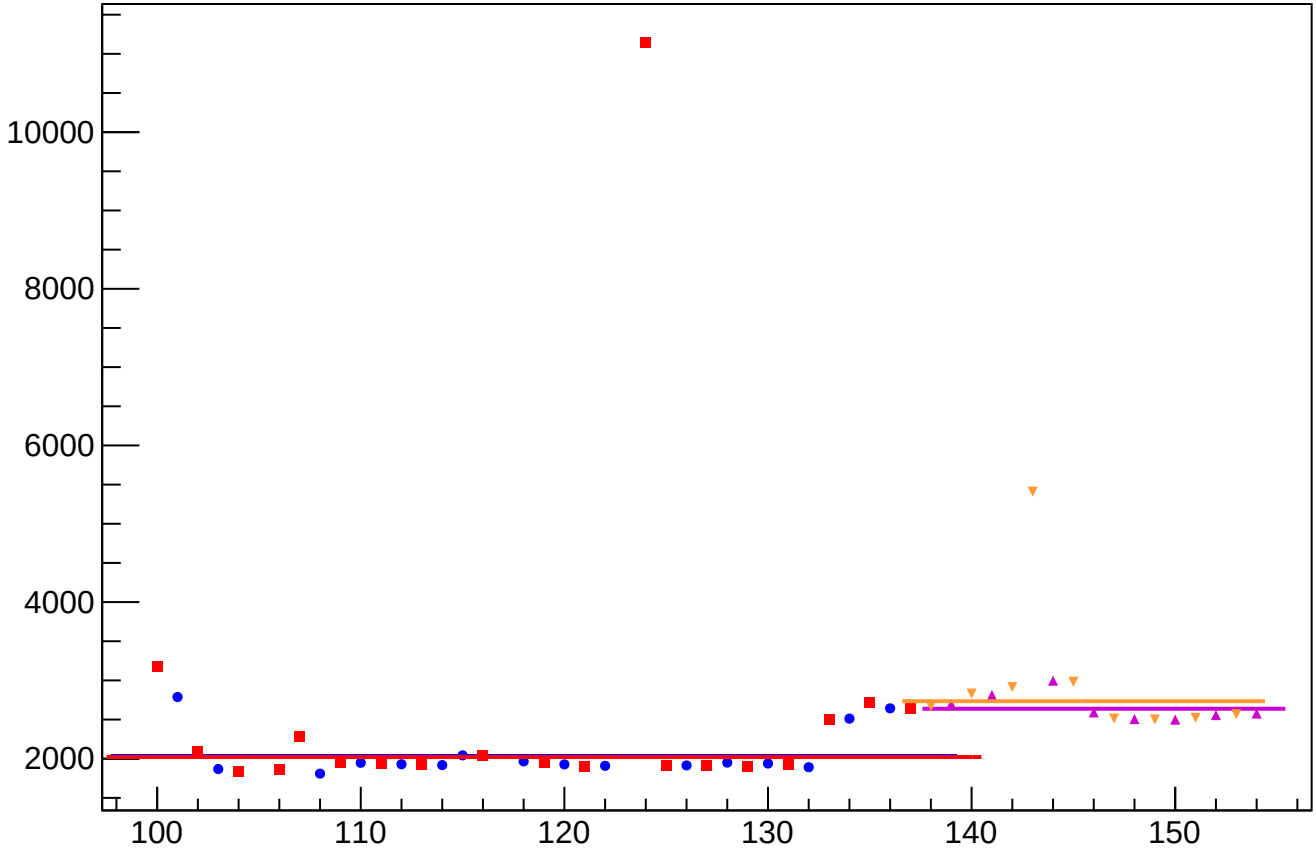
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2326.093+/-606.697 χ^2/NDF:15.0/23

Out: 1522.741+/-613.413 χ^2/NDF:38.4/27

All: 1928.839+/-431.354 χ^2/NDF: 54.3/51

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: 2637.892+/-0.705 χ^2/NDF:46889.9/7

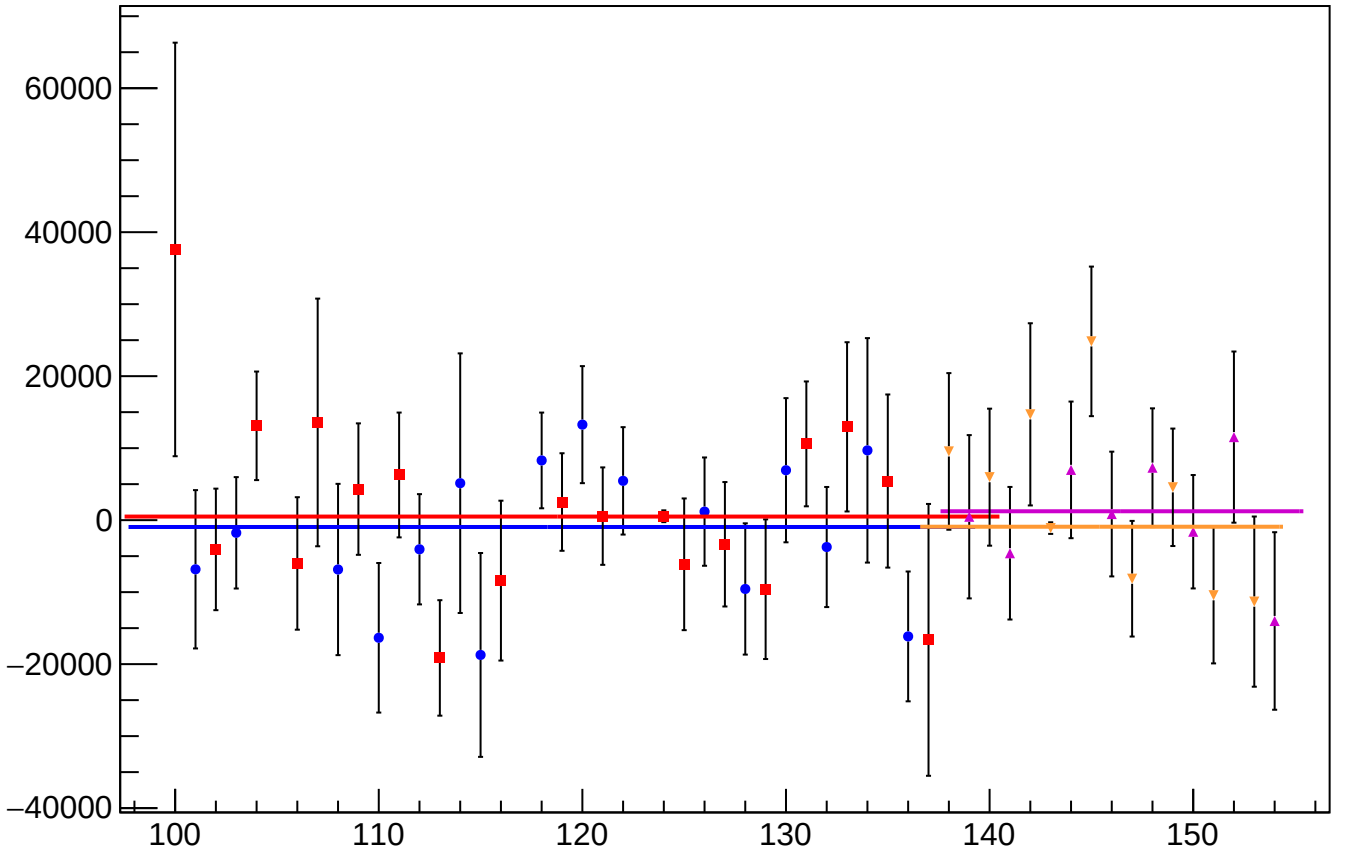
Left: 2683.763+/-0.511 χ^2/NDF: 518869.6/16

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2257.531+/-0.429 χ^2/NDF:771500.1/23

Out: 2265.296+/-0.434 χ^2/NDF:1461304.8/27

All: 2261.371+/-0.305 χ^2/NDF: 2232966.9/51



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: 1233.617+/-3361.800 χ^2/NDF:3.7/7

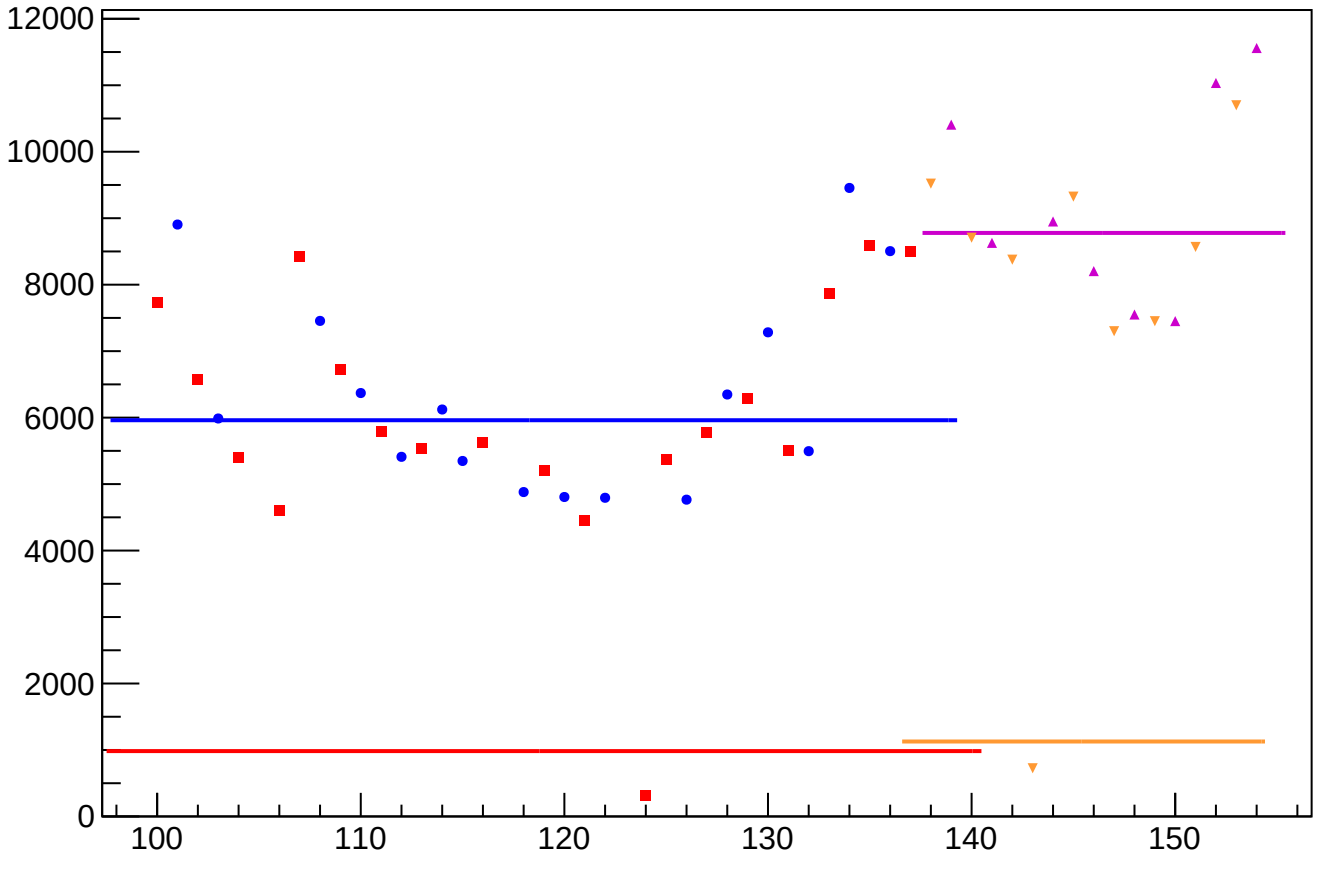
Left: -802.899+/-765.331 χ^2/NDF: 16.3/16

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -263.008+/-1886.131 χ^2/NDF:19.3/23

Out: -192.377+/-549.406 χ^2/NDF:32.3/27

All: -197.901+/-527.483 χ^2/NDF: 51.7/51



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: 8778.563+/-2.377 χ^2/NDF:326090.0/7

Left: 1524.144+/-0.541 χ^2/NDF: 19935681.7/16

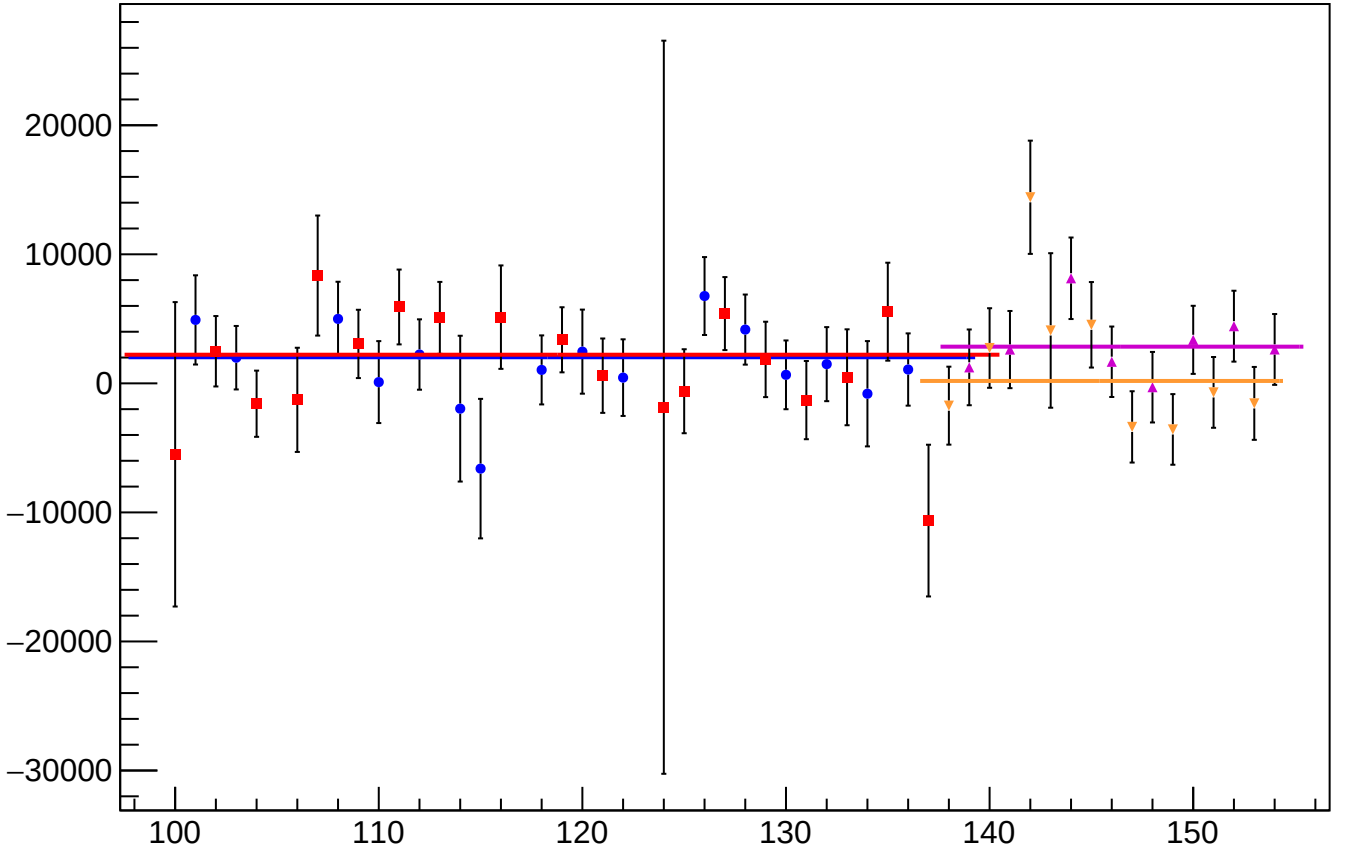
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6847.762+/-1.334 χ^2/NDF:1978139.8/23

Out: 1053.826+/-0.388 χ^2/NDF:21238665.8/27

All: 1506.982+/-0.373 χ^2/NDF: 40613421.7/5

cor_asym_atl2_mean vs Slug, Sign Corrected



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: 2842.951+/-997.424 χ^2/NDF:5.0/7

Left: 1581.453+/-722.861 χ^2/NDF: 26.2/16

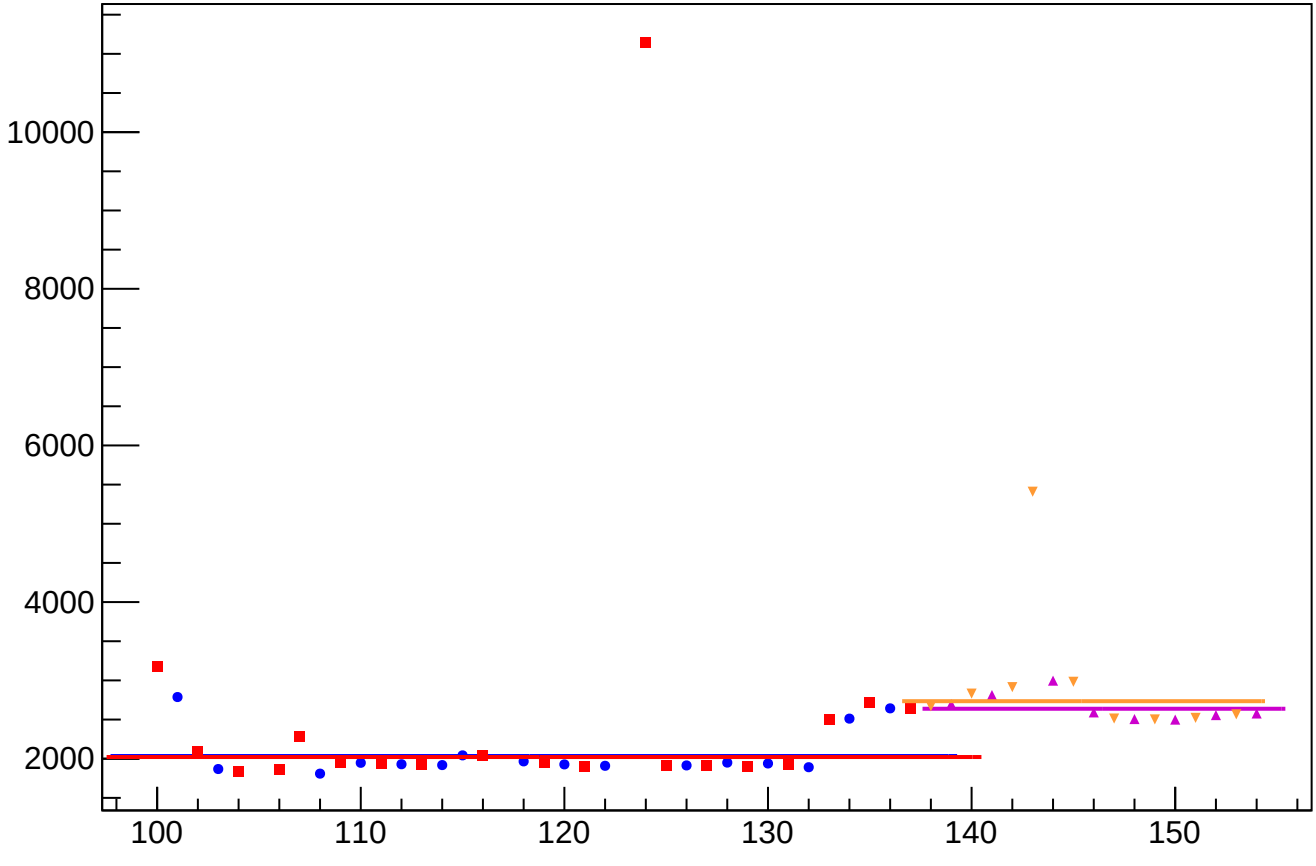
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2326.254+/-606.697 χ^2/NDF:15.0/23

Out: 1523.963+/-613.417 χ^2/NDF:38.4/27

All: 1929.527+/-431.356 χ^2/NDF: 54.3/51

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: 2637.893+/-0.705 χ^2/NDF:46889.9/7

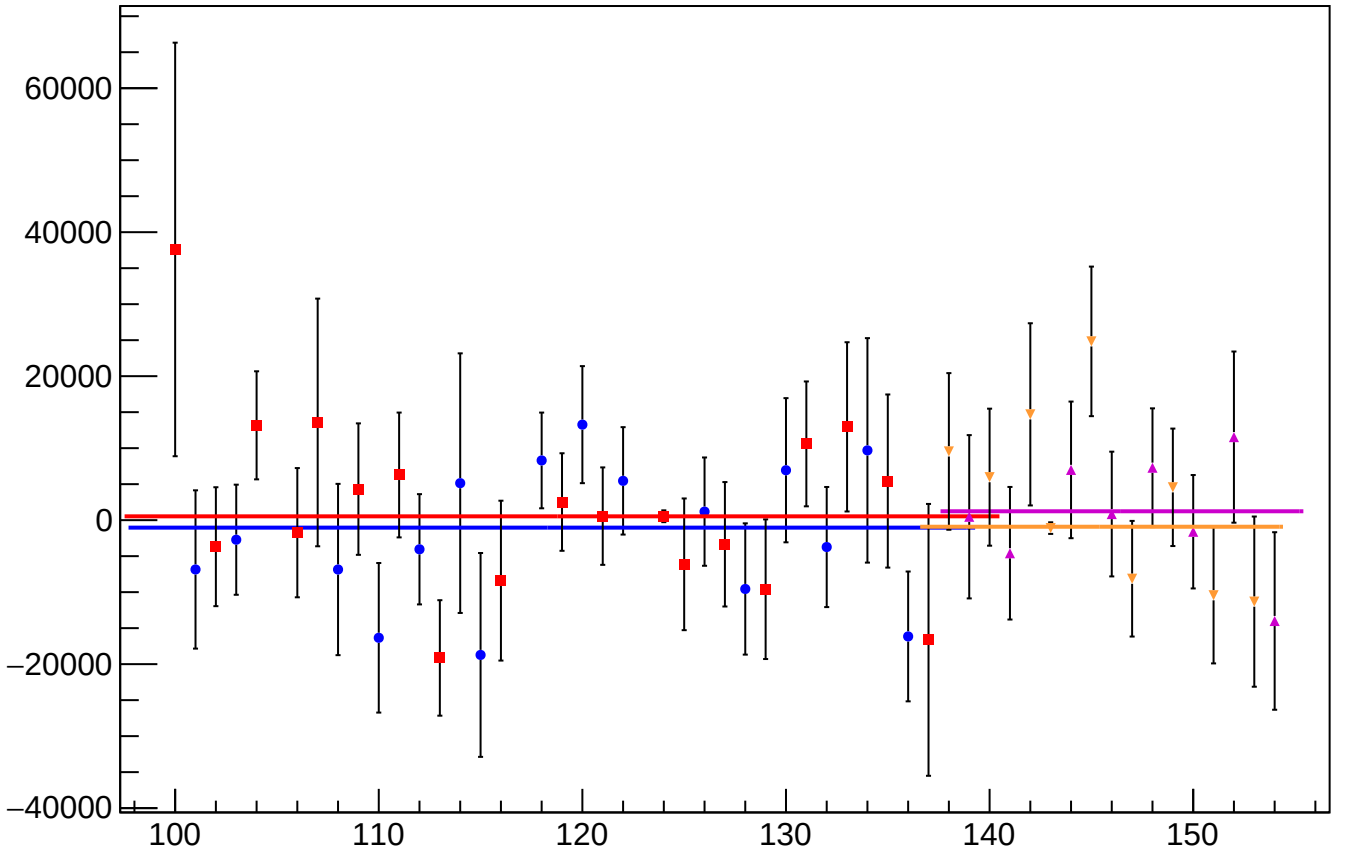
Left: 2683.763+/-0.511 χ^2/NDF: 518869.6/16

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2257.531+/-0.429 χ^2/NDF:771500.2/23

Out: 2265.314+/-0.434 χ^2/NDF:1461275.6/27

All: 2261.380+/-0.305 χ^2/NDF: 2232938.5/51



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: 1233.781+/-3361.796 χ^2/NDF:3.7/7

Left: -802.705+/-765.265 χ^2/NDF: 16.3/16

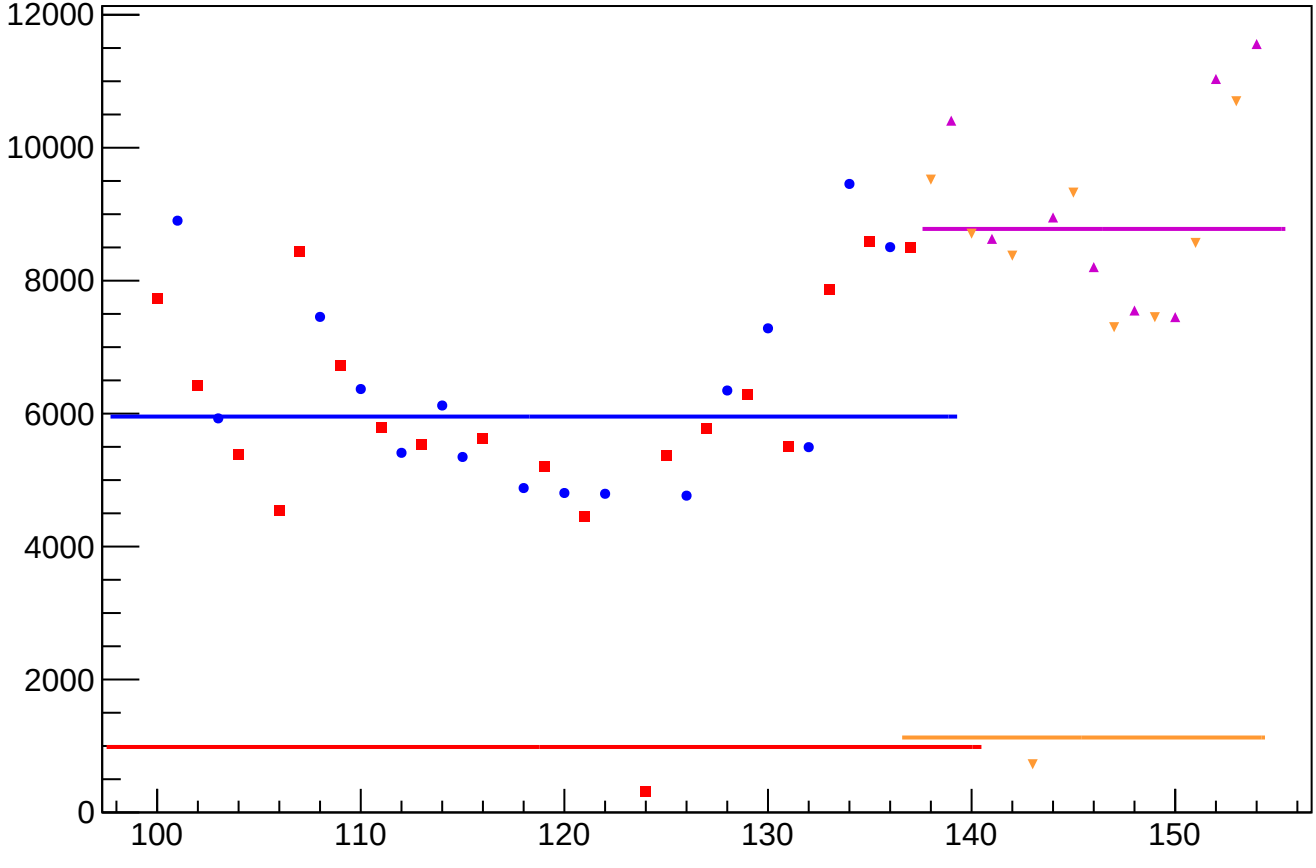
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -323.871+/-1884.796 χ^2/NDF:19.4/23

Out: -174.982+/-549.257 χ^2/NDF:32.0/27

All: -186.636+/-527.322 χ^2/NDF: 51.4/51

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: 8778.552+/-2.377 χ^2/NDF:326091.3/7

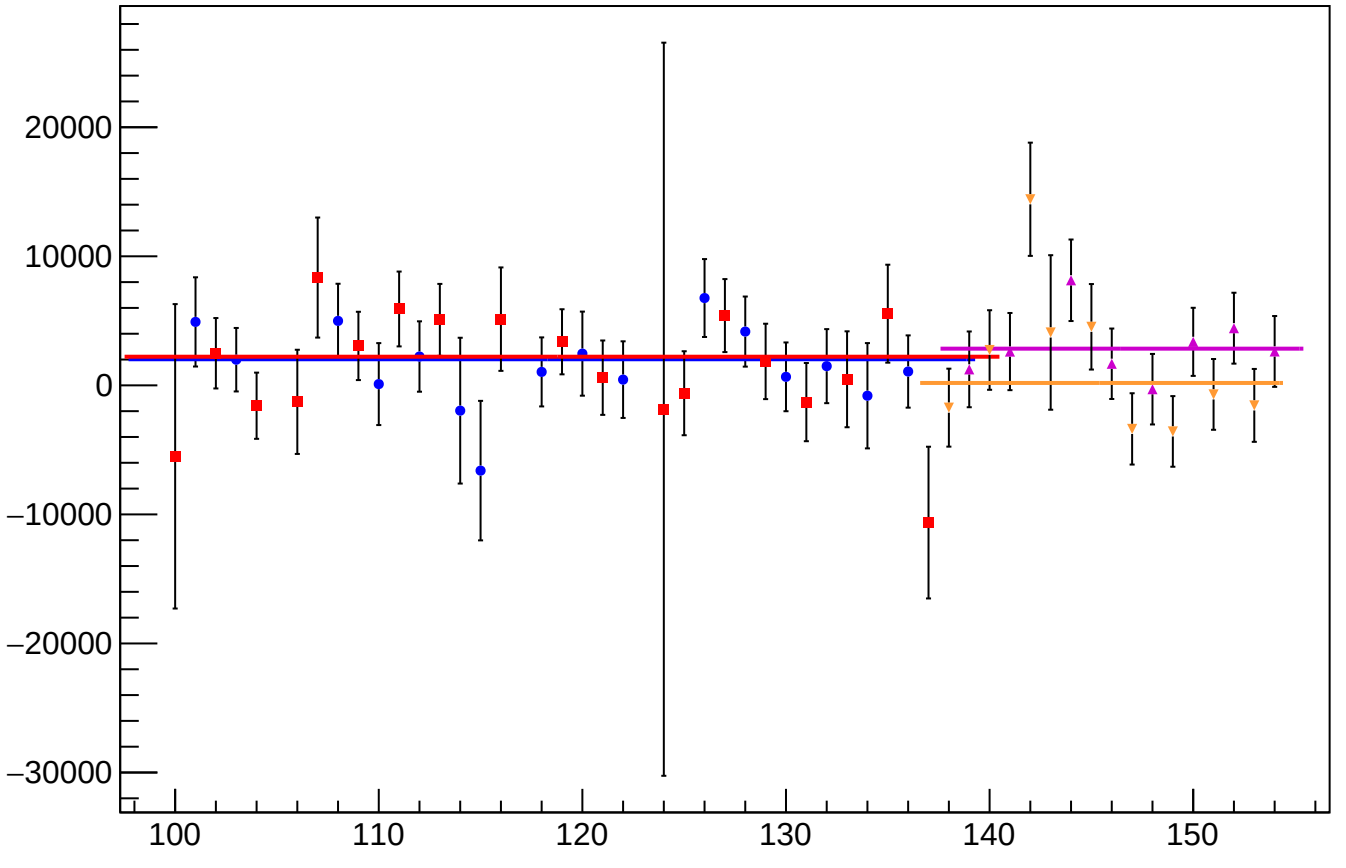
Left: 1523.943+/-0.541 χ^2/NDF: 19936392.7/16

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6842.965+/-1.333 χ^2/NDF:1982168.5/23

Out: 1054.617+/-0.388 χ^2/NDF:21234215.5/27

All: 1507.701+/-0.373 χ^2/NDF: 40602877.4/5



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: 2842.951+/-997.424 χ^2/NDF:5.0/7

Left: 1581.453+/-722.861 χ^2/NDF: 26.2/16

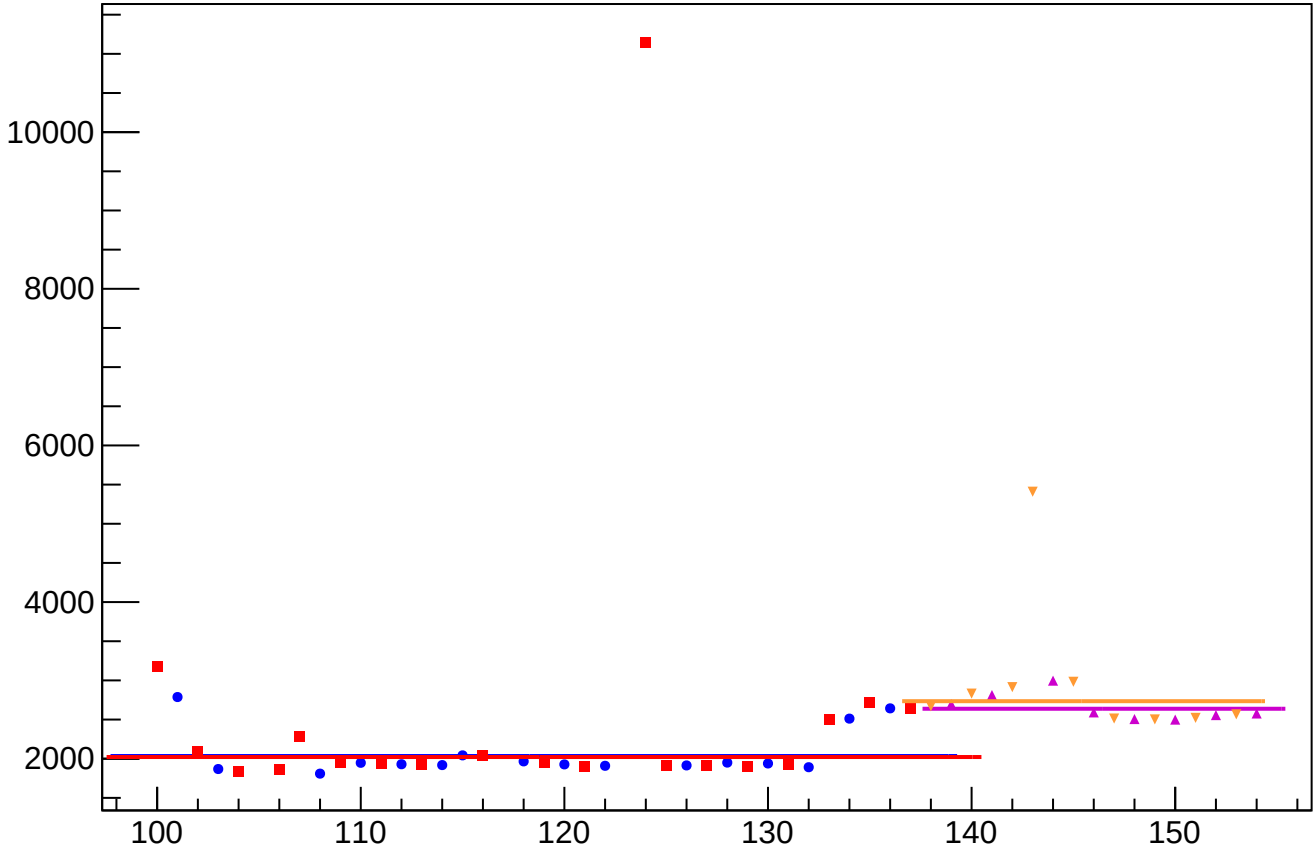
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2326.254+/-606.697 χ^2/NDF:15.0/23

Out: 1523.963+/-613.417 χ^2/NDF:38.4/27

All: 1929.527+/-431.356 χ^2/NDF: 54.3/51

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: 2637.893+/-0.705 χ^2/NDF:46889.9/7

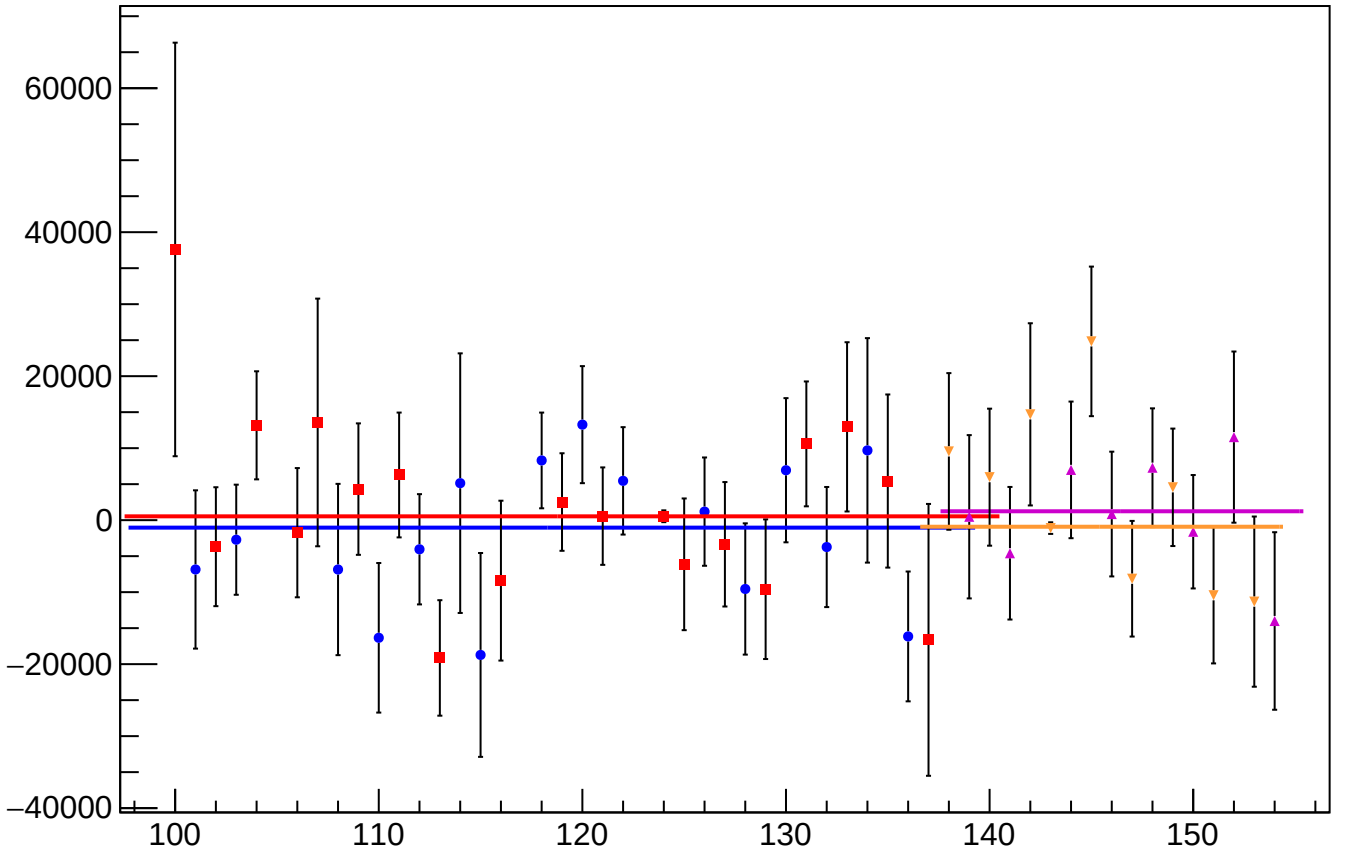
Left: 2683.763+/-0.511 χ^2/NDF: 518869.6/16

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2257.531+/-0.429 χ^2/NDF:771500.2/23

Out: 2265.314+/-0.434 χ^2/NDF:1461275.6/27

All: 2261.380+/-0.305 χ^2/NDF: 2232938.5/51



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: 1233.781+/-3361.796 χ^2/NDF:3.7/7

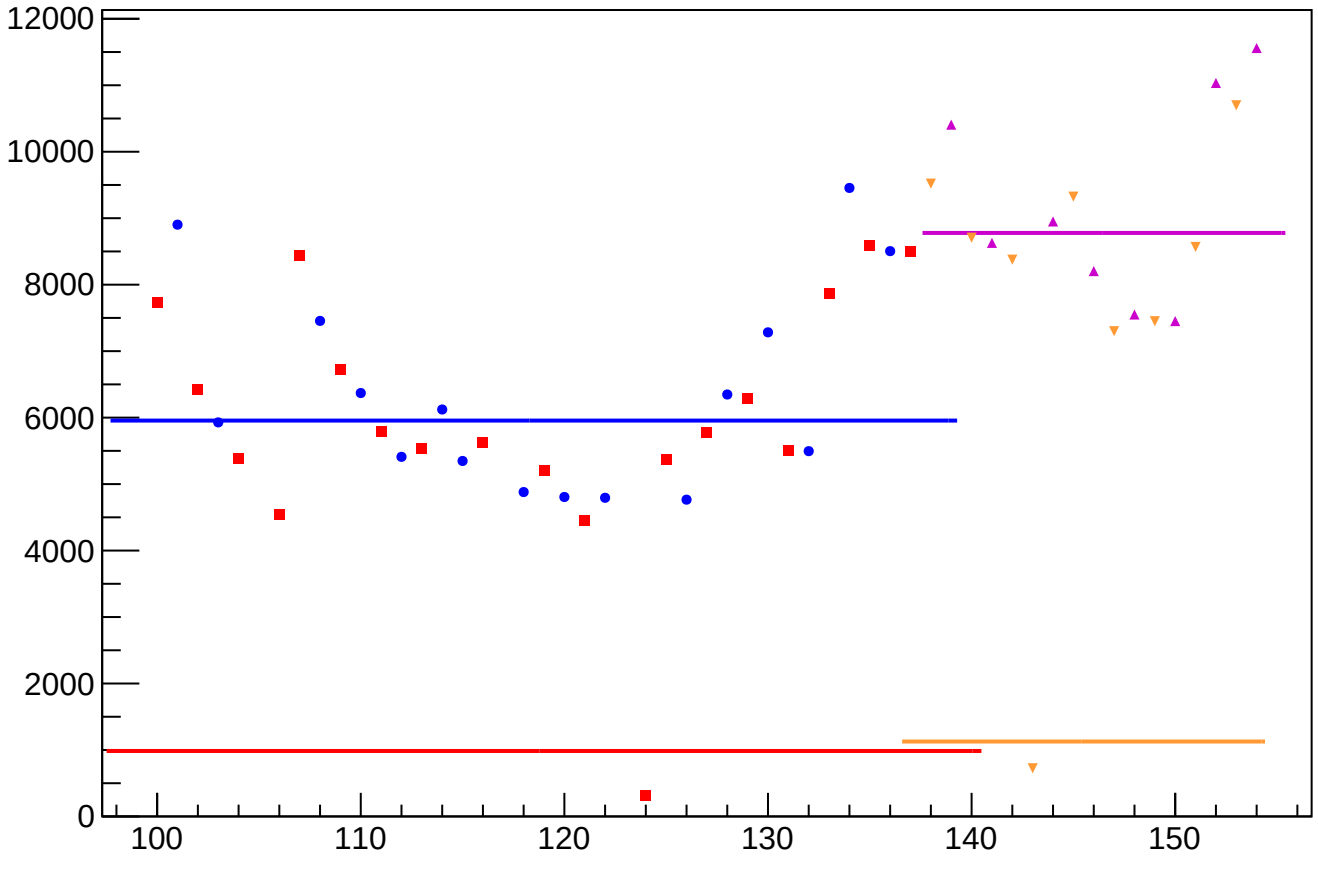
Left: -802.705+/-765.265 χ^2/NDF: 16.3/16

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -323.871+/-1884.796 χ^2/NDF:19.4/23

Out: -174.982+/-549.257 χ^2/NDF:32.0/27

All: -186.636+/-527.322 χ^2/NDF: 51.4/51



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: 8778.552+/-2.377 χ^2/NDF:326091.3/7

Left: 1523.943+/-0.541 χ^2/NDF: 19936392.7/16

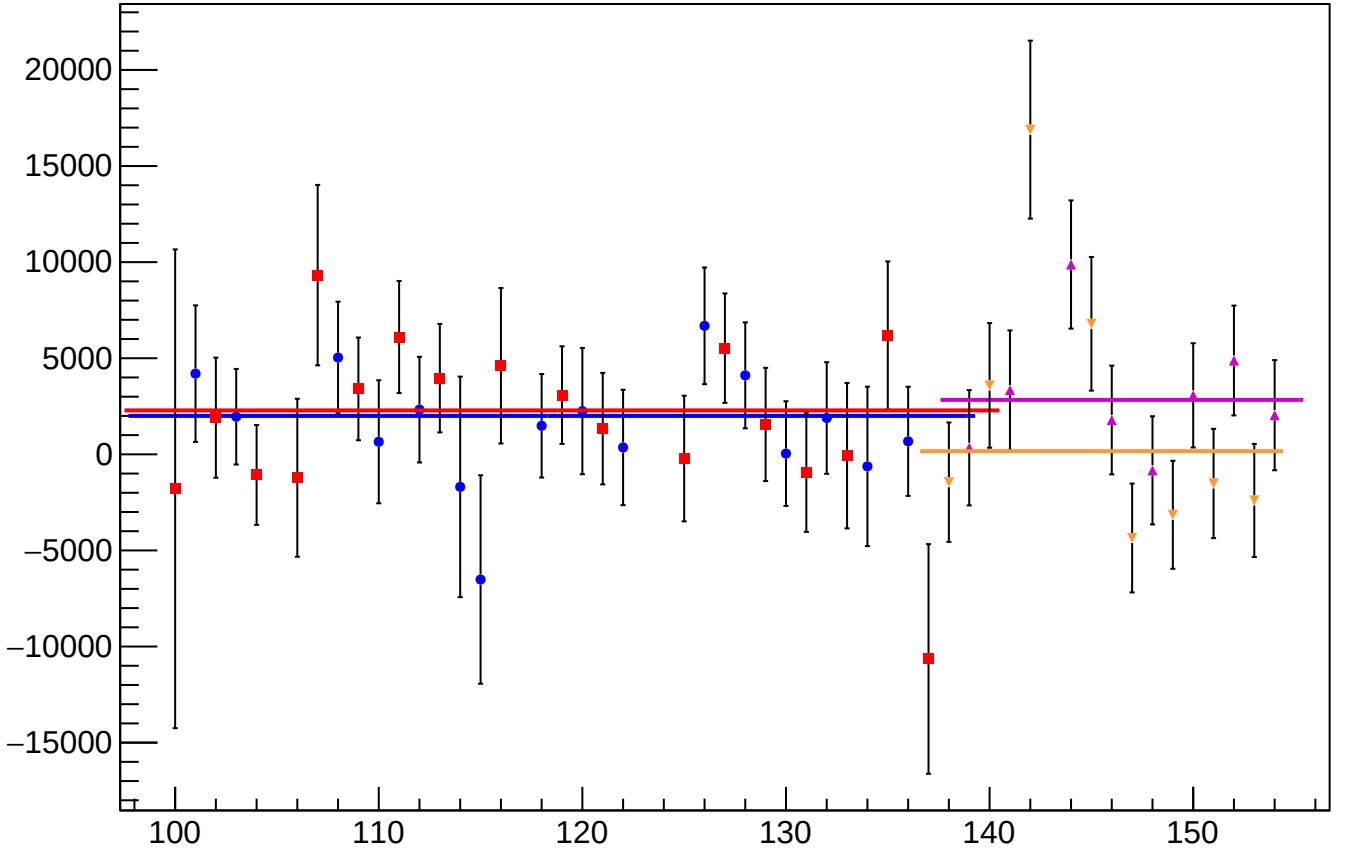
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6842.965+/-1.333 χ^2/NDF:1982168.5/23

Out: 1054.617+/-0.388 χ^2/NDF:21234215.5/27

All: 1507.701+/-0.373 χ^2/NDF: 40602877.4/5

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: 2834.455+/-1033.517 χ^2/NDF:7.6/7

Left: 1589.407+/-754.877 χ^2/NDF: 33.8/15

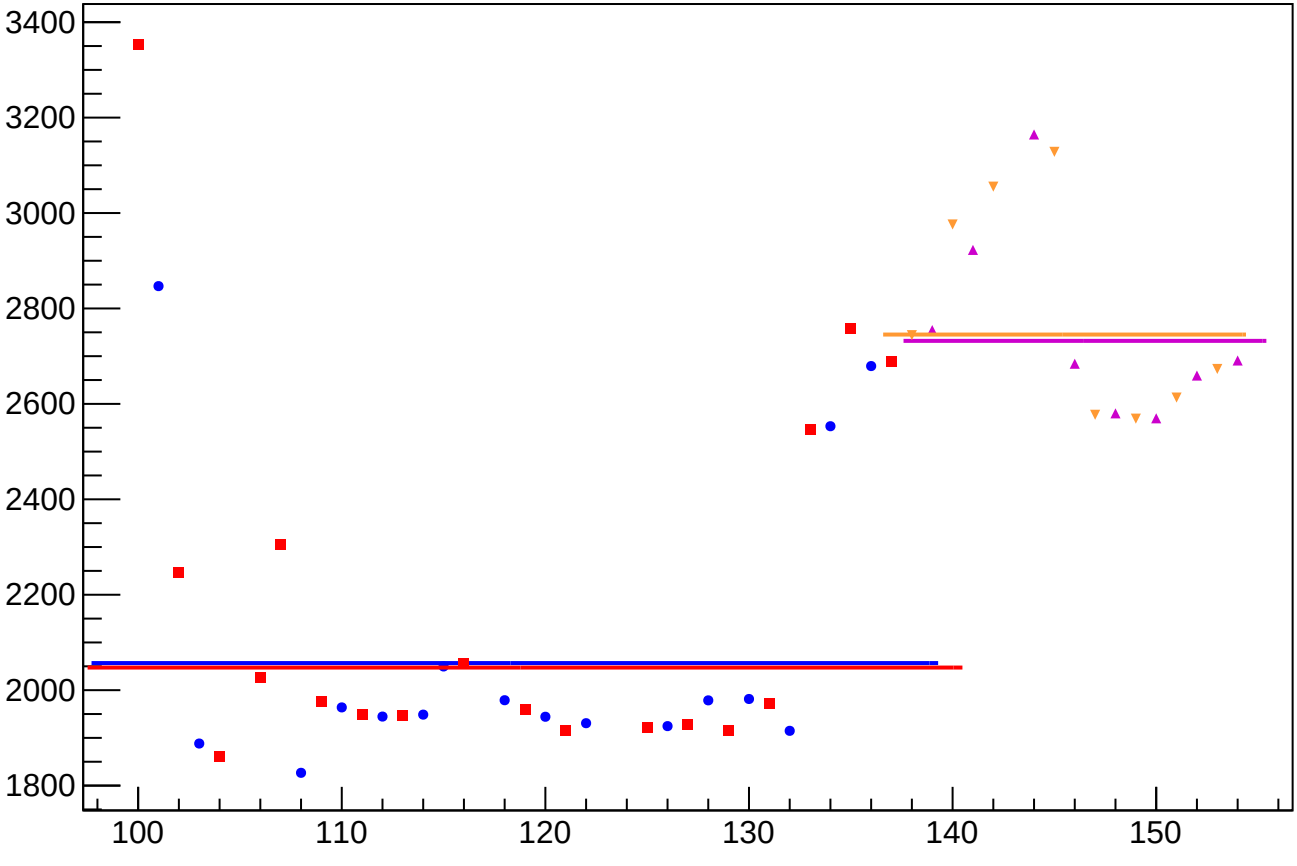
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2299.106+/-619.290 χ^2/NDF:17.0/23

Out: 1591.473+/-632.501 χ^2/NDF:42.2/25

All: 1952.757+/-442.501 χ^2/NDF: 59.9/49

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: 2732.084+/-0.731 χ^2/NDF:56553.5/7

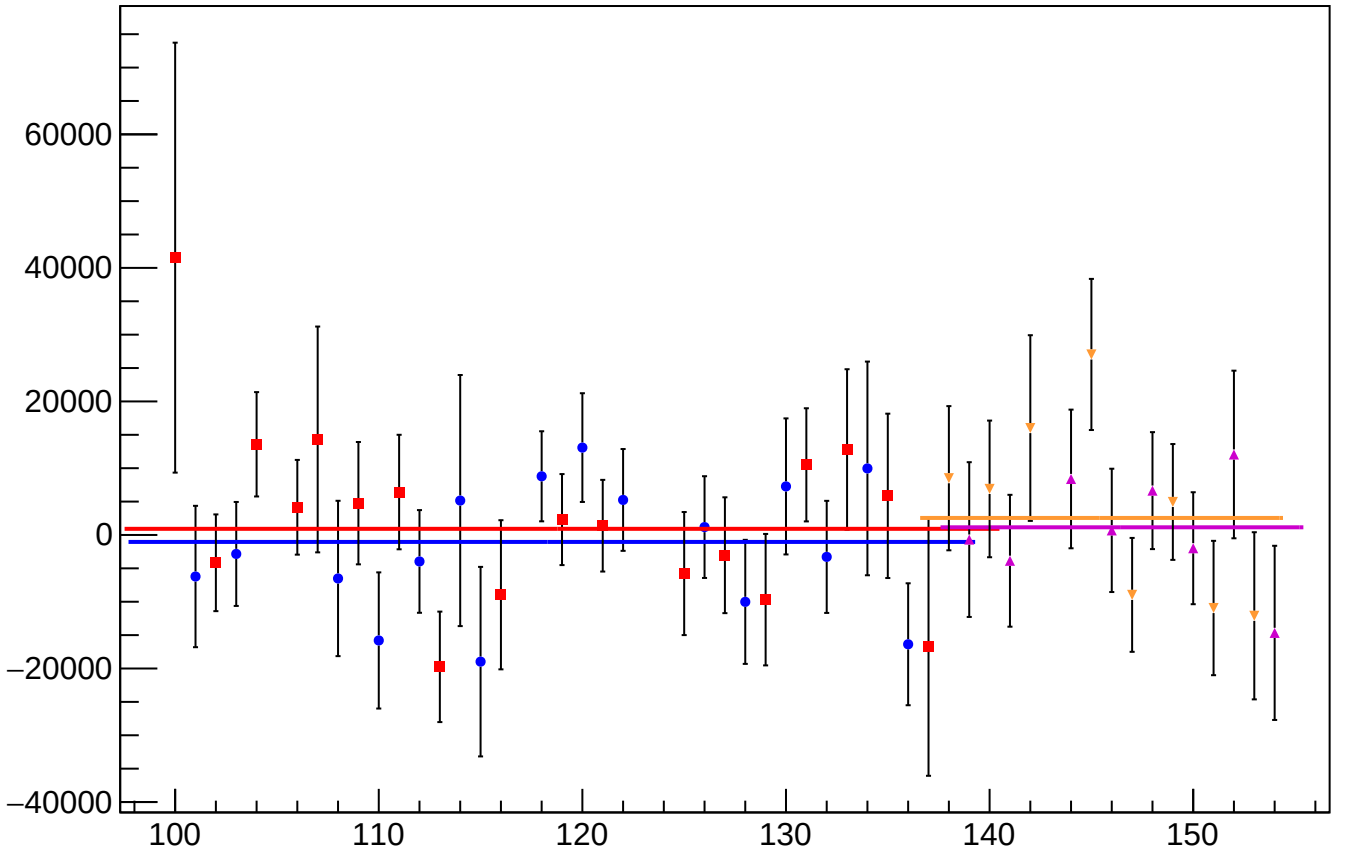
Left: 2738.261+/-0.534 χ^2/NDF: 120495.1/15

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2299.257+/-0.438 χ^2/NDF:874274.2/23

Out: 2275.522+/-0.447 χ^2/NDF:797183.5/25

All: 2287.628+/-0.313 χ^2/NDF: 1672897.1/49



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: 1147.637+/-3576.336 χ^2/NDF:3.5/7

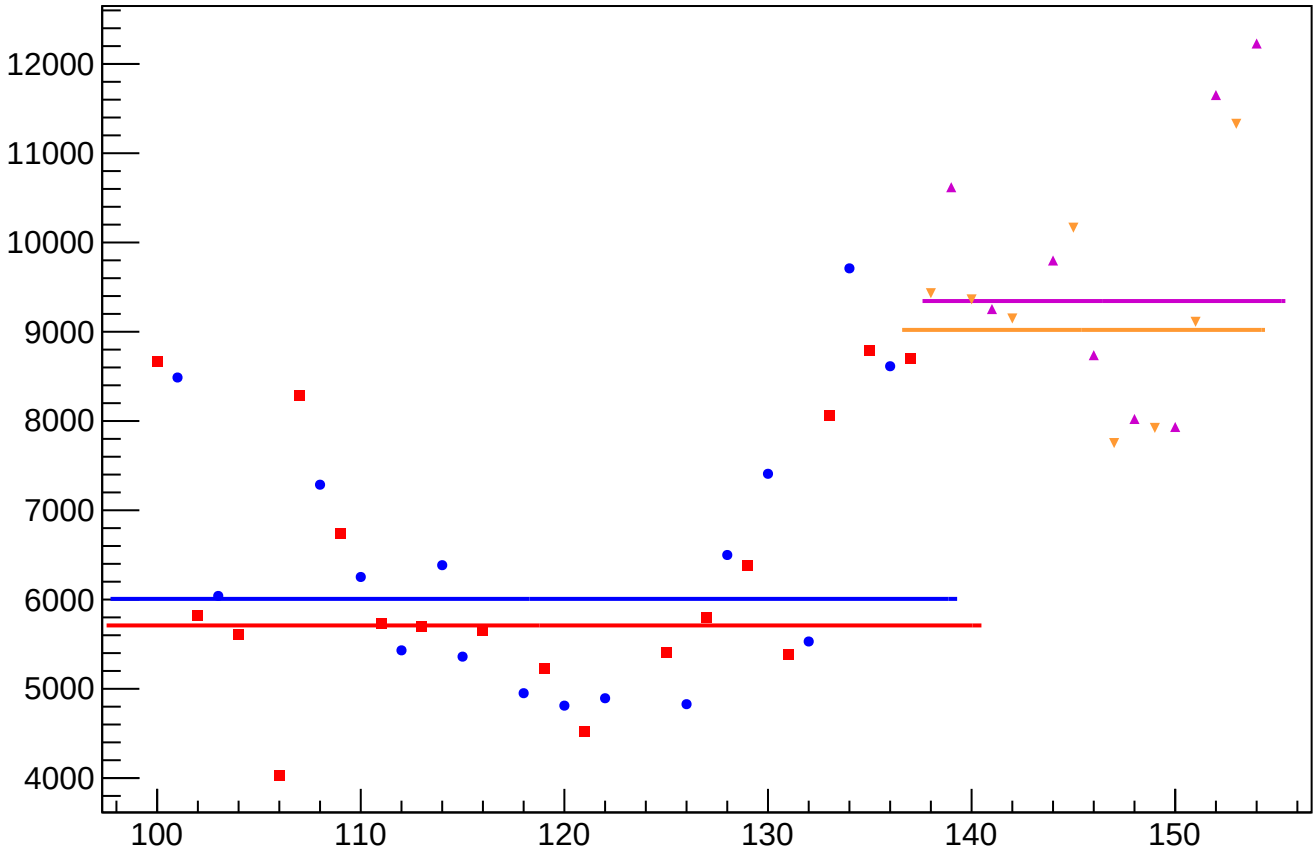
Left: 1831.141+/-2560.028 χ^2/NDF: 14.8/15

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -403.834+/-1931.270 χ^2/NDF:19.1/23

Out: 1336.982+/-1855.186 χ^2/NDF:29.7/25

All: 501.539+/-1337.904 χ^2/NDF: 49.2/49



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: 9344.114+/-2.529 χ^2/NDF:304412.8/7

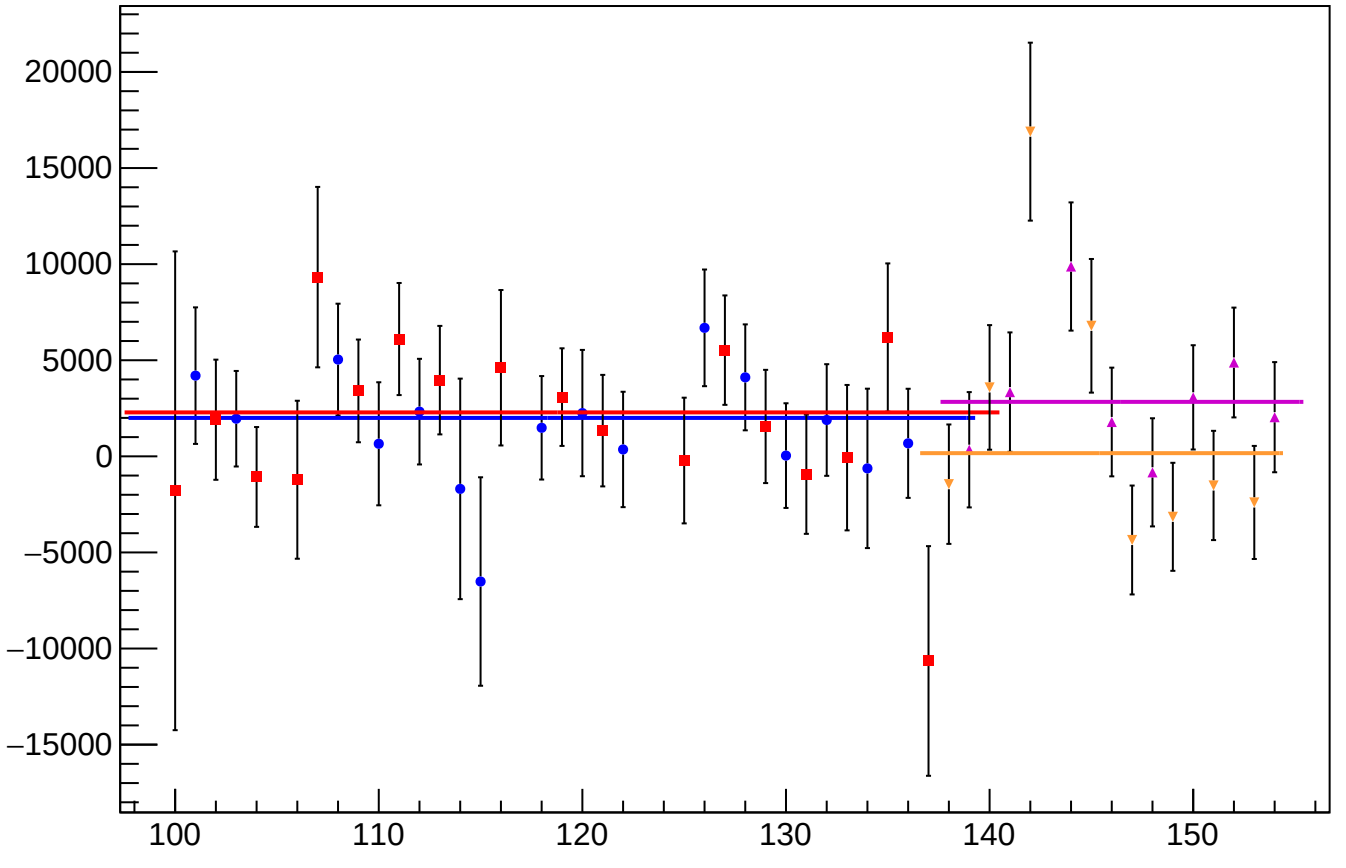
Left: 9186.458+/-1.810 χ^2/NDF: 482581.7/15

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6980.453+/-1.366 χ^2/NDF:2191669.2/23

Out: 6557.693+/-1.312 χ^2/NDF:1919577.6/25

All: 6760.581+/-0.946 χ^2/NDF: 4161090.0/49



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: 2834.455+/-1033.517 χ^2/NDF:7.6/7

Left: 1589.409+/-754.878 χ^2/NDF: 33.8/15

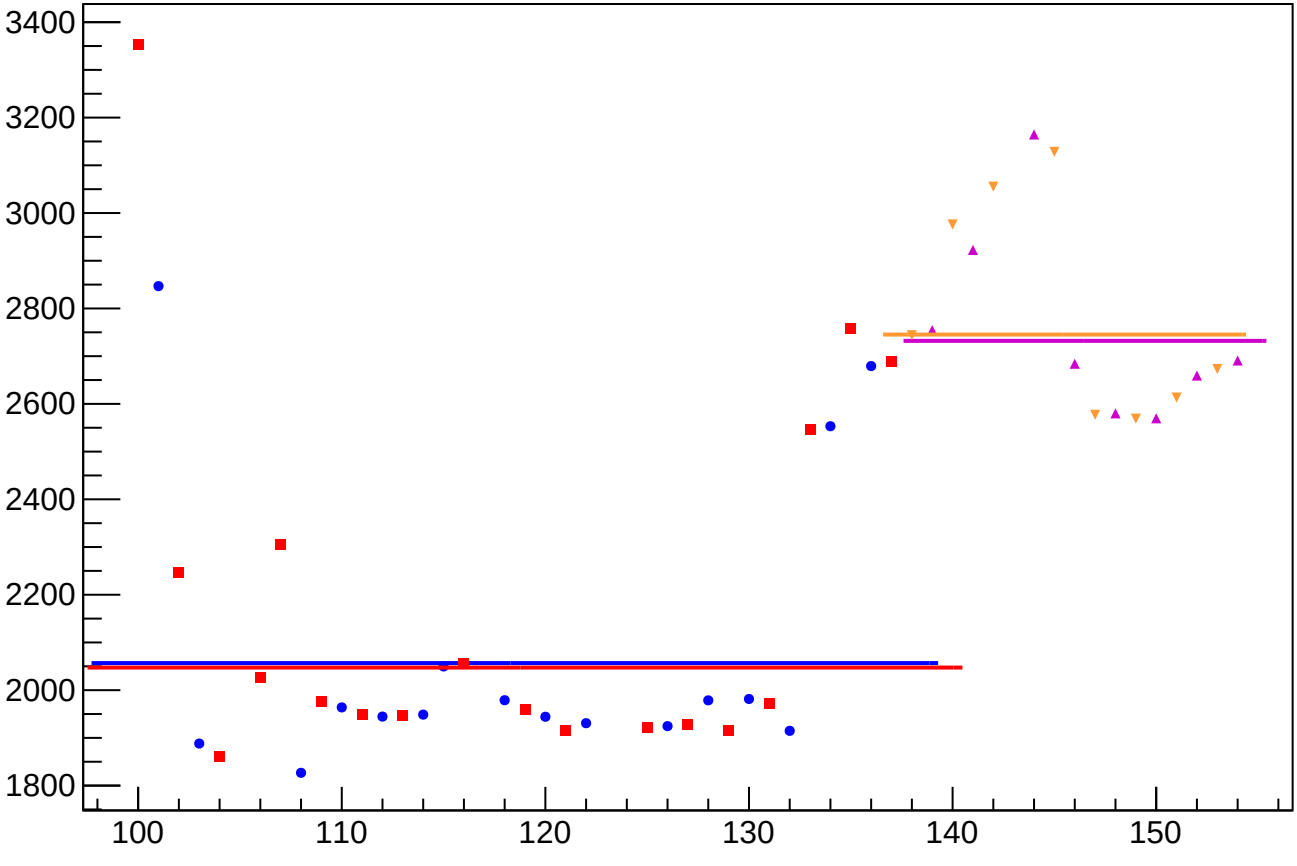
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2299.109+/-619.290 χ^2/NDF:17.0/23

Out: 1591.478+/-632.502 χ^2/NDF:42.2/25

All: 1952.761+/-442.501 χ^2/NDF: 59.9/49

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: 2732.086+/-0.731 χ^2/NDF:56554.2/7

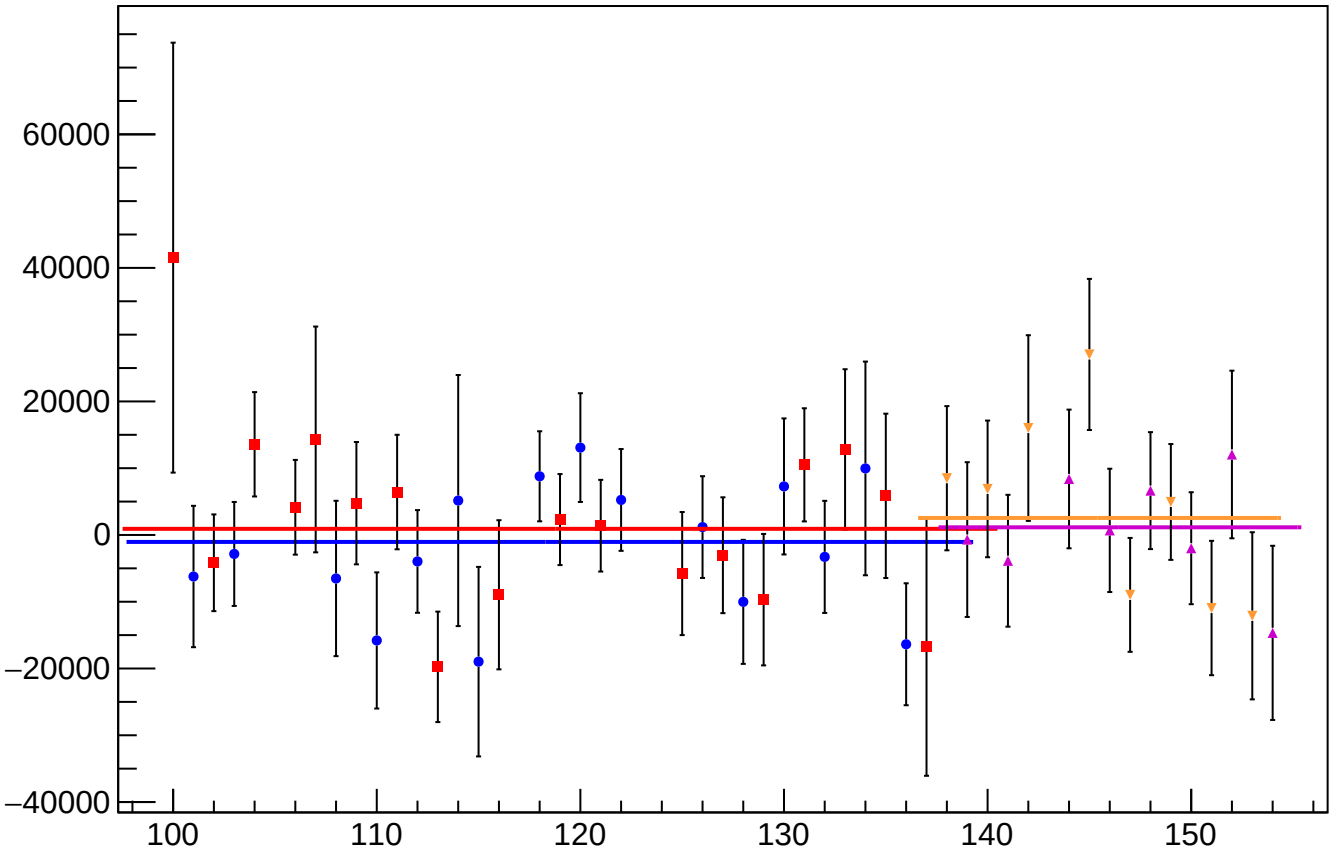
Left: 2738.263+/-0.534 χ^2/NDF: 120496.9/15

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2299.257+/-0.438 χ^2/NDF:874277.9/23

Out: 2275.522+/-0.447 χ^2/NDF:797187.7/25

All: 2287.628+/-0.313 χ^2/NDF: 1672905.1/49



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: 1147.639+/-3576.340 χ^2/NDF:3.5/7

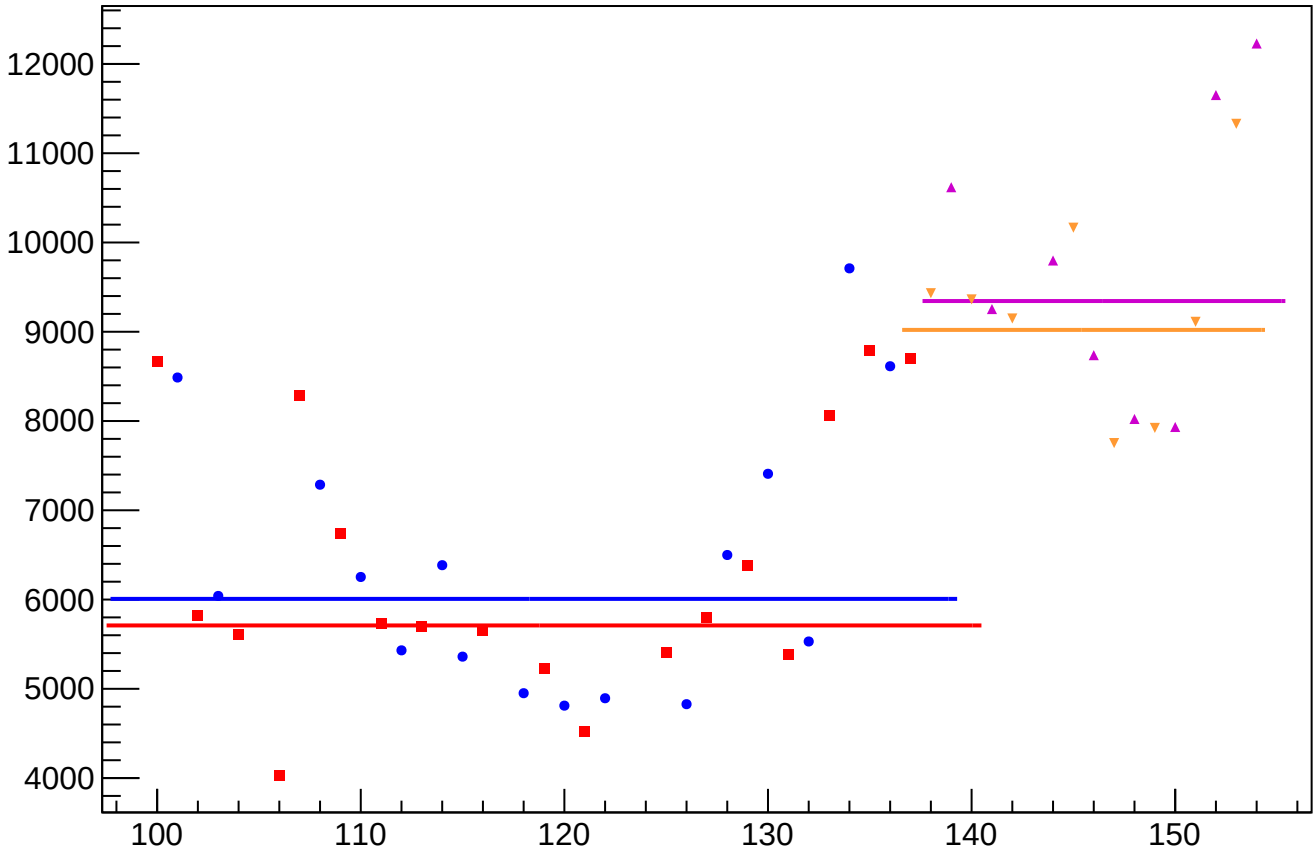
Left: 1831.138+/-2560.031 χ^2/NDF: 14.8/15

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -403.829+/-1931.267 χ^2/NDF:19.1/23

Out: 1336.981+/-1855.183 χ^2/NDF:29.7/25

All: 501.541+/-1337.902 χ^2/NDF: 49.2/49



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: 9344.125+/-2.529 χ^2/NDF:304415.7/7

Left: 9186.469+/-1.810 χ^2/NDF: 482587.0/15

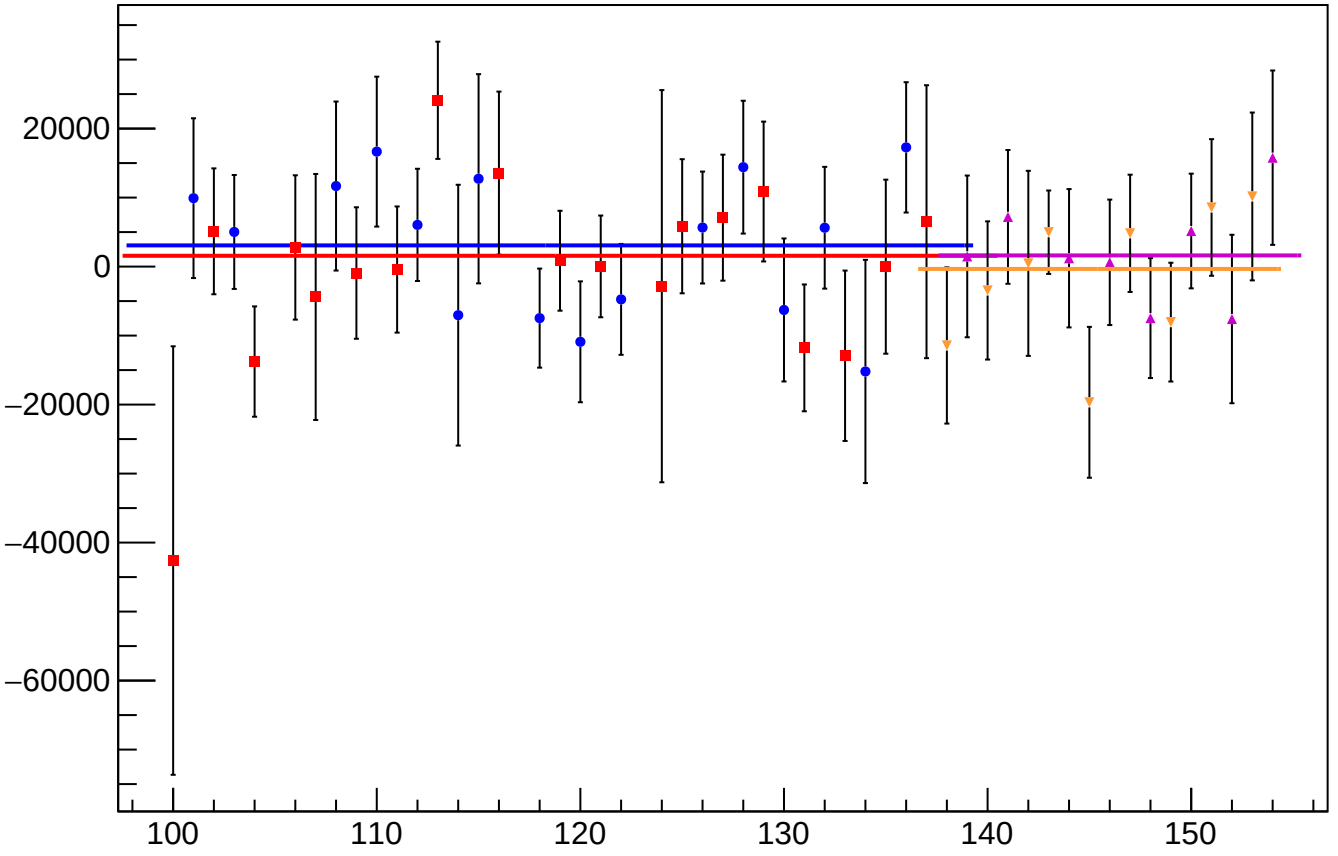
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6980.436+/-1.366 χ^2/NDF:2191702.6/23

Out: 6557.678+/-1.312 χ^2/NDF:1919603.8/25

All: 6760.565+/-0.946 χ^2/NDF: 4161149.5/49

asym_atl2_mean vs Slug, Sign Corrected



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: 1617.916+/-3520.826 χ^2/NDF:3.4/7

Left: 518.958+/-2330.866 χ^2/NDF: 11.3/16

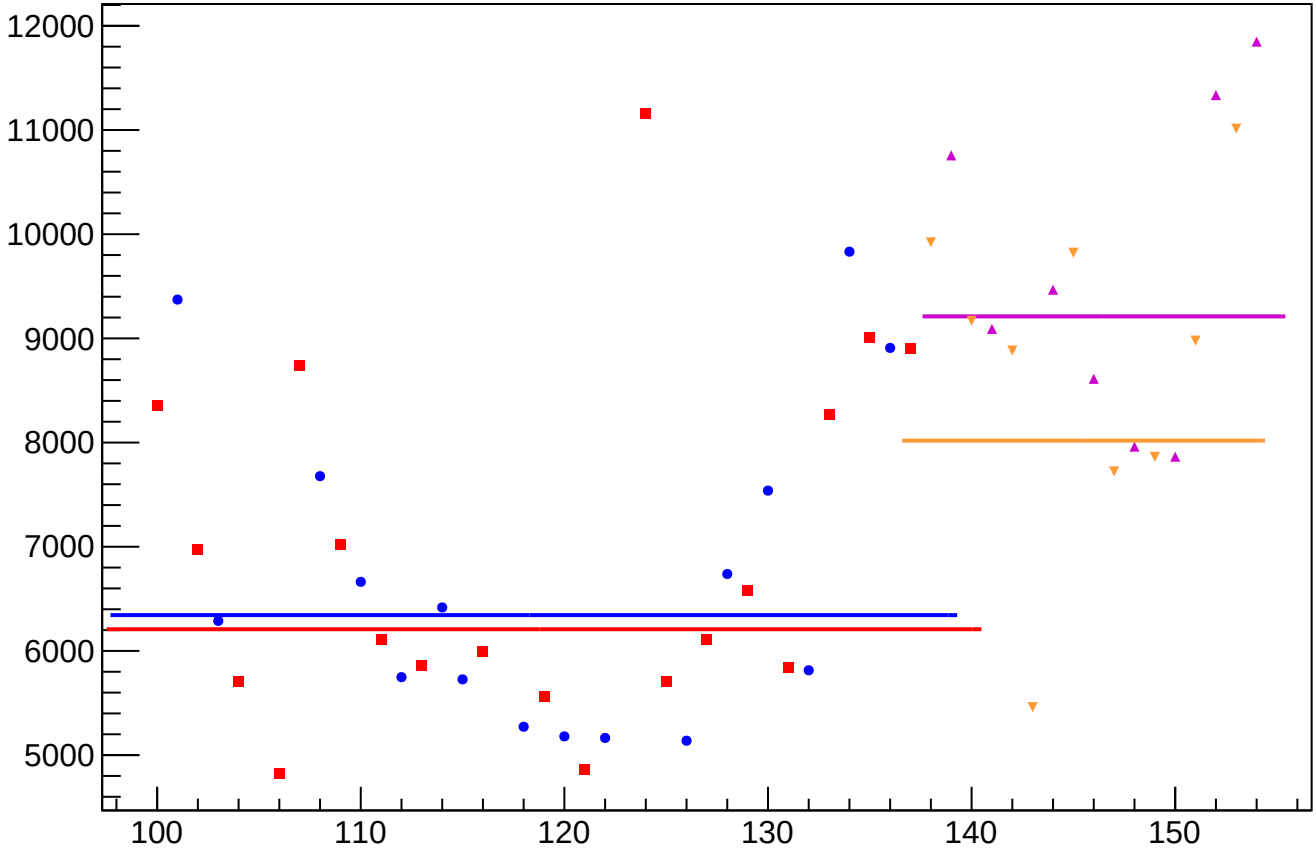
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2604.106+/-1994.735 χ^2/NDF:18.4/23

Out: 879.800+/-1867.723 χ^2/NDF:27.1/27

All: 1685.312+/-1363.371 χ^2/NDF: 46.0/51

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: 9211.133+/-2.490 χ^2/NDF:286649.2/7

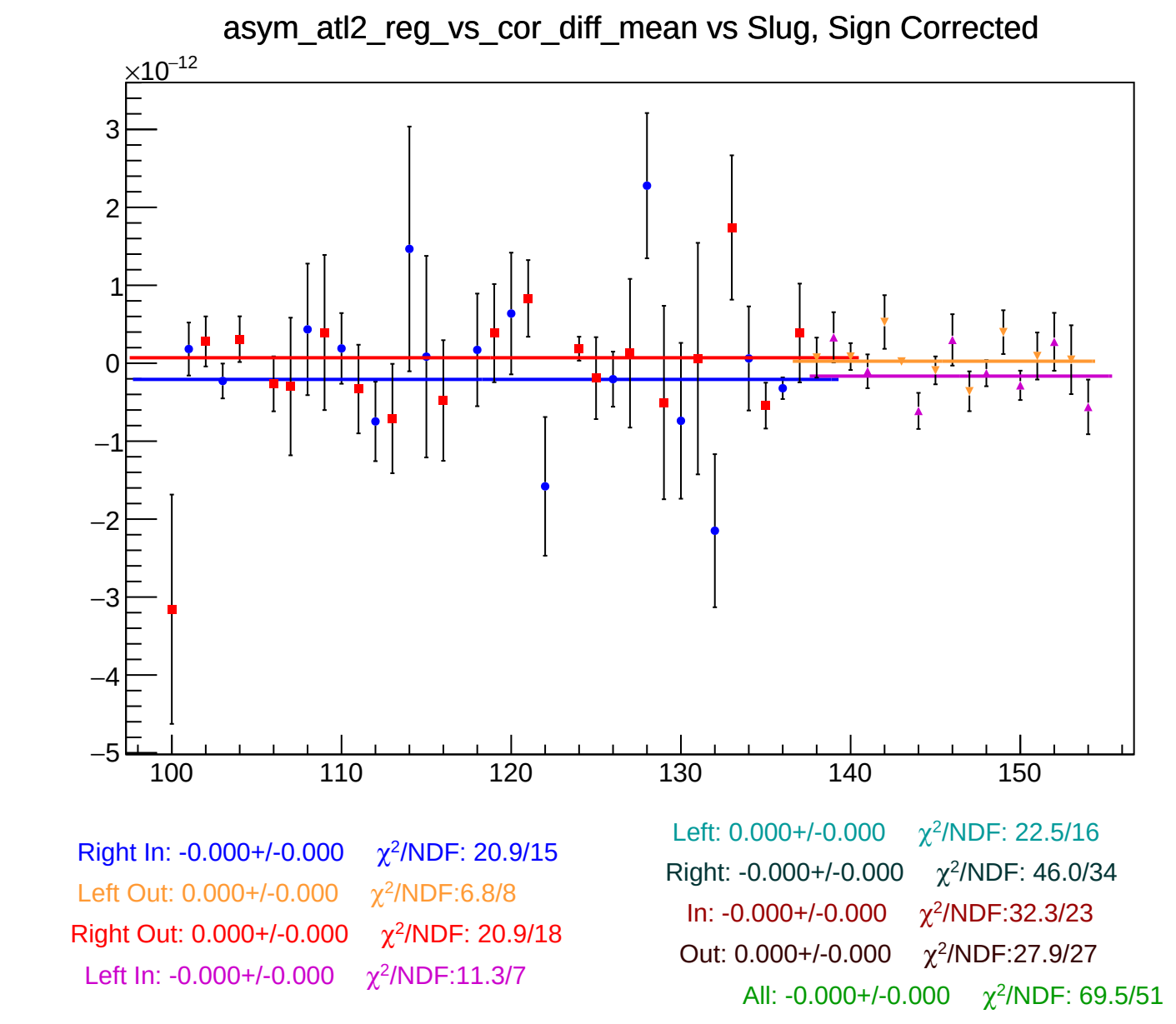
Left: 8541.345+/-1.648 χ^2/NDF: 1062577.1/16

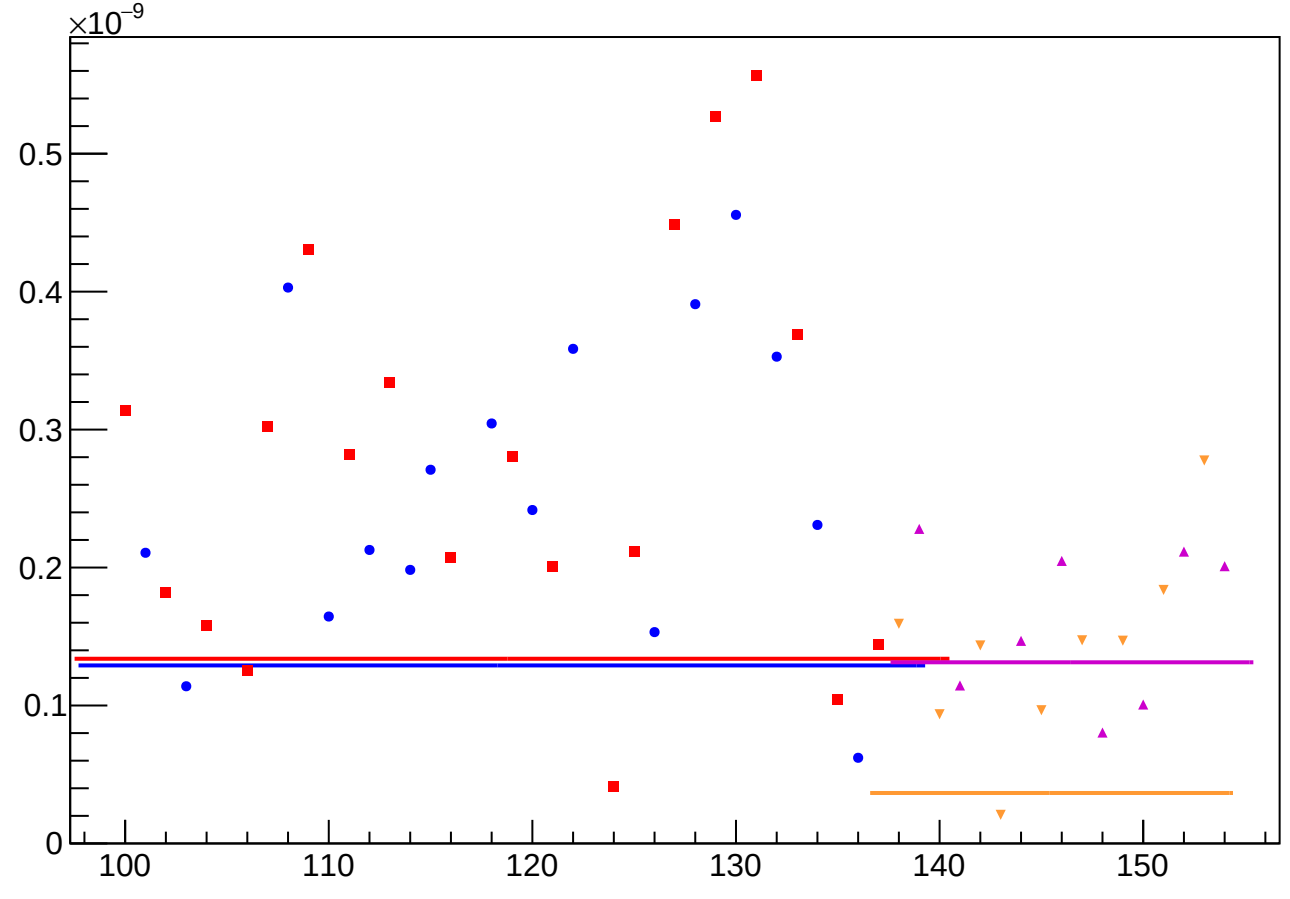
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7264.159+/-1.410 χ^2/NDF:1808588.5/23

Out: 6861.155+/-1.321 χ^2/NDF:1552345.1/27

All: 7049.419+/-0.964 χ^2/NDF: 3404432.9/51


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:11.3/7
Left: 0.000+/-0.000 χ²/NDF: 22.5/16
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:32.3/23
Out: 0.000+/-0.000 χ²/NDF:27.9/27
All: -0.000+/-0.000 χ²/NDF: 69.5/51



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:711625.0/7

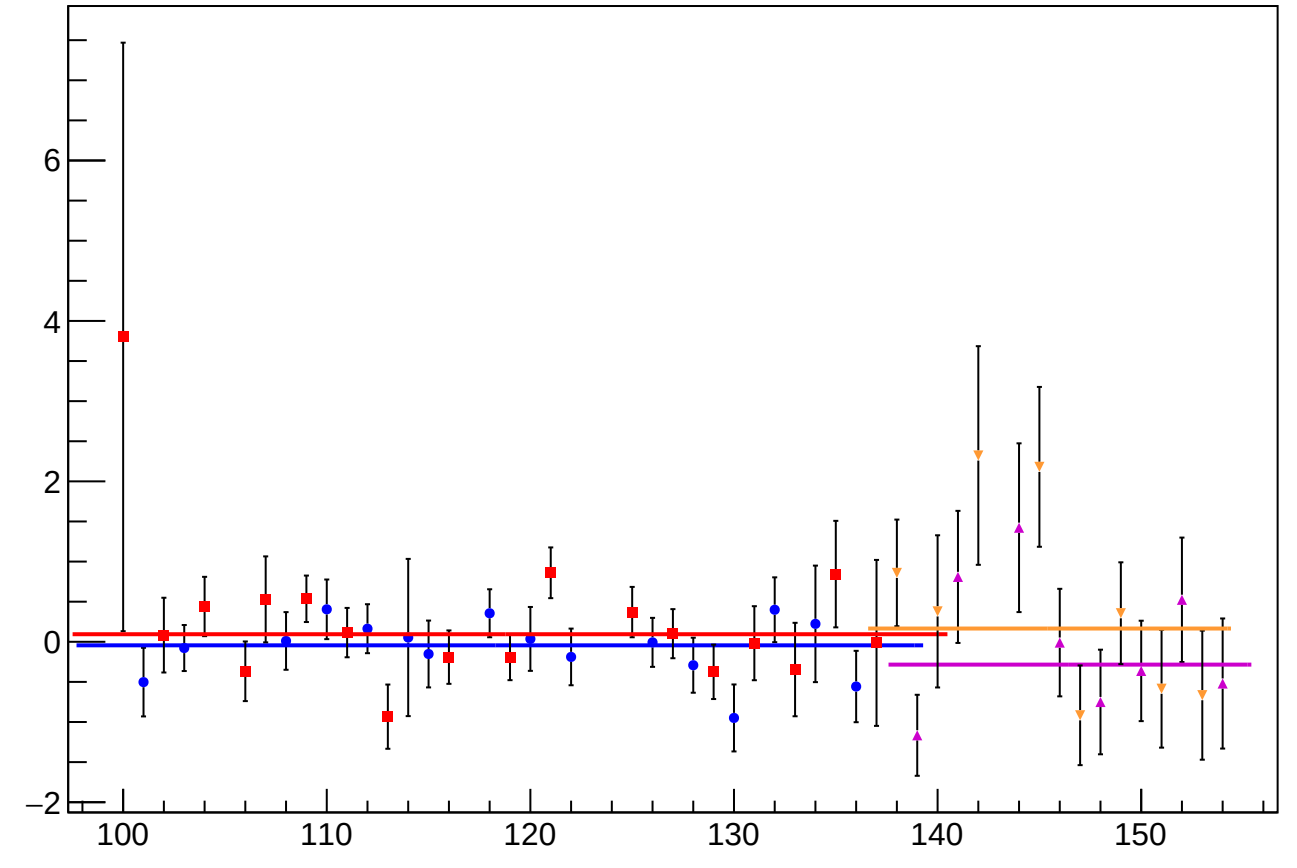
Left: 0.000+/-0.000 χ^2/NDF: 6116530.9/16

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2432578.7/23

Out: 0.000+/-0.000 χ^2/NDF:7398954.1/27

All: 0.000+/-0.000 χ^2/NDF: 12619591.7/51



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: -0.285+/-0.245 χ^2/NDF:9.3/7

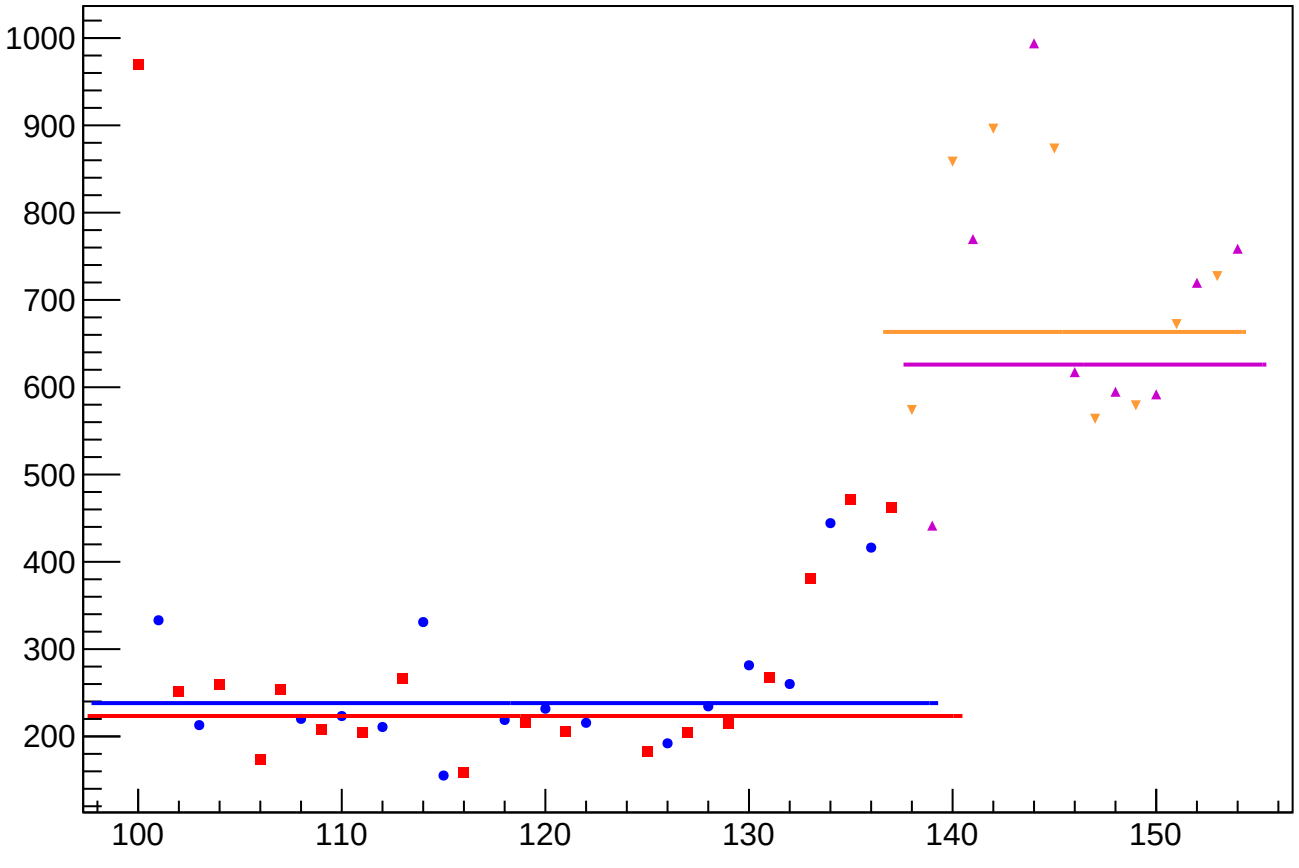
Left: -0.084+/-0.183 χ^2/NDF: 23.8/15

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.075+/-0.088 χ^2/NDF:23.2/23

Out: 0.101+/-0.086 χ^2/NDF:38.3/25

All: 0.015+/-0.061 χ^2/NDF: 63.6/49



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: 625.939+/-0.173 χ^2/NDF:666283.8/7

Left: 642.638+/-0.129 χ^2/NDF: 1054290.0/15

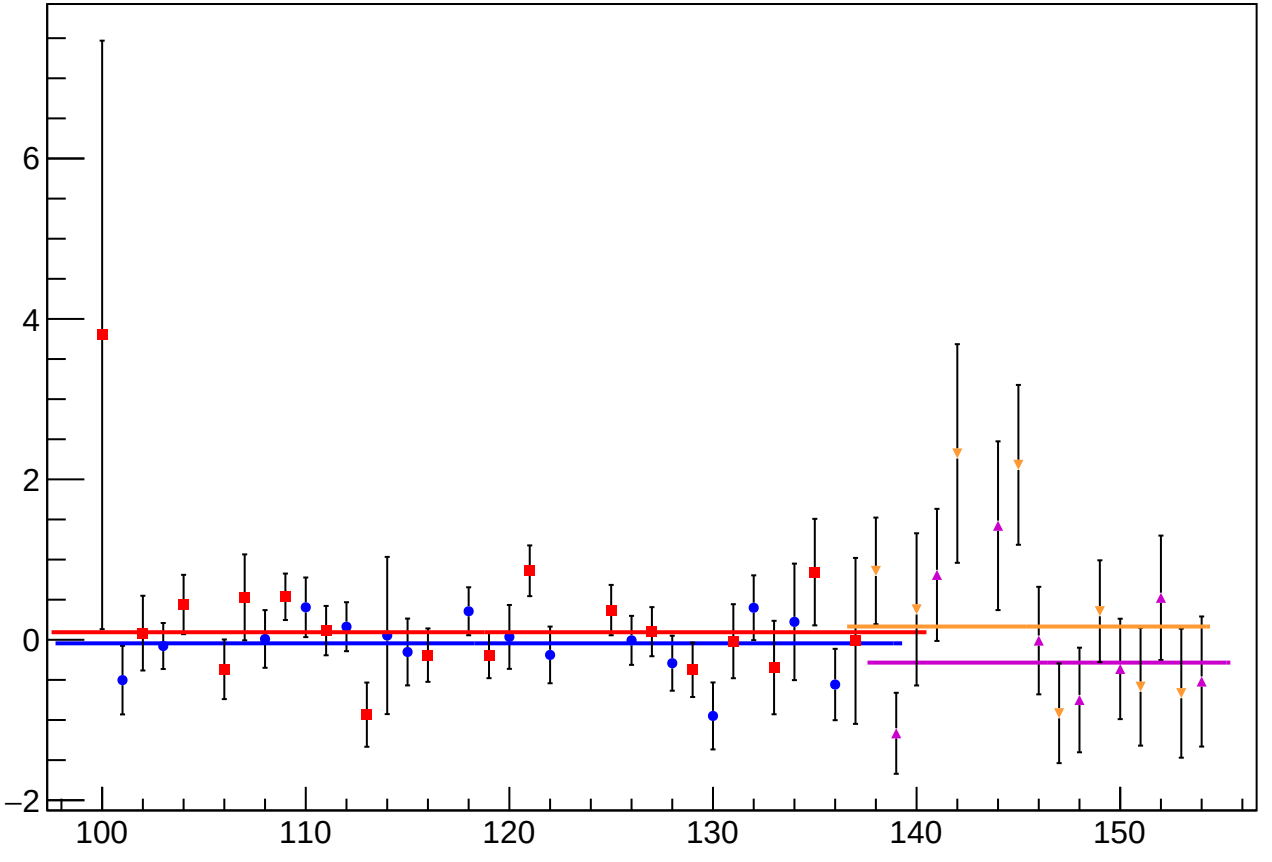
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 287.621+/-0.062 χ^2/NDF:5832989.1/23

Out: 266.467+/-0.060 χ^2/NDF:5906015.2/25

All: 276.788+/-0.043 χ^2/NDF: 11798715.6/49

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: -0.285+/-0.245 χ^2/NDF:9.3/7

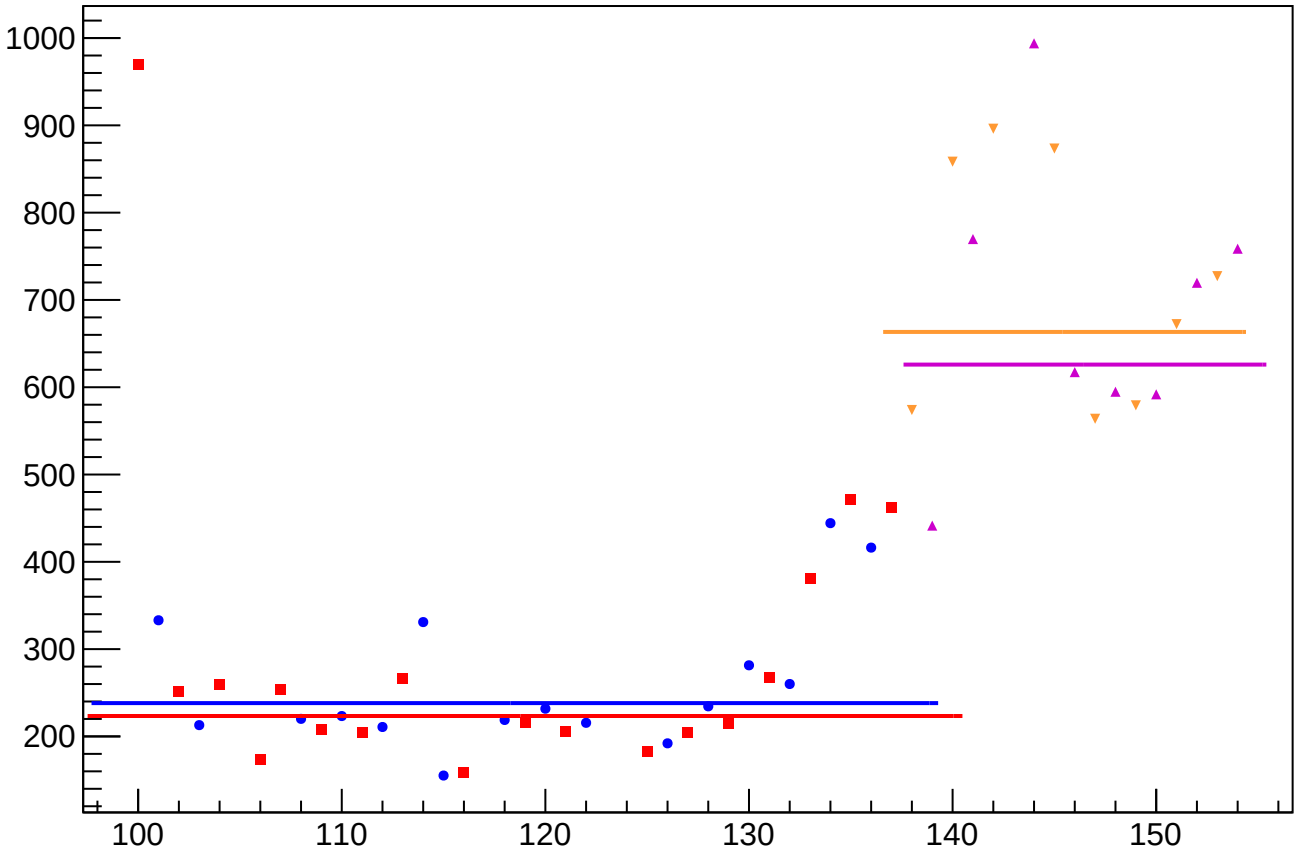
Left: -0.084+/-0.183 χ^2/NDF: 23.8/15

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.075+/-0.088 χ^2/NDF:23.2/23

Out: 0.101+/-0.086 χ^2/NDF:38.3/25

All: 0.015+/-0.061 χ^2/NDF: 63.6/49



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: 625.939+/-0.173 χ^2/NDF:666283.8/7

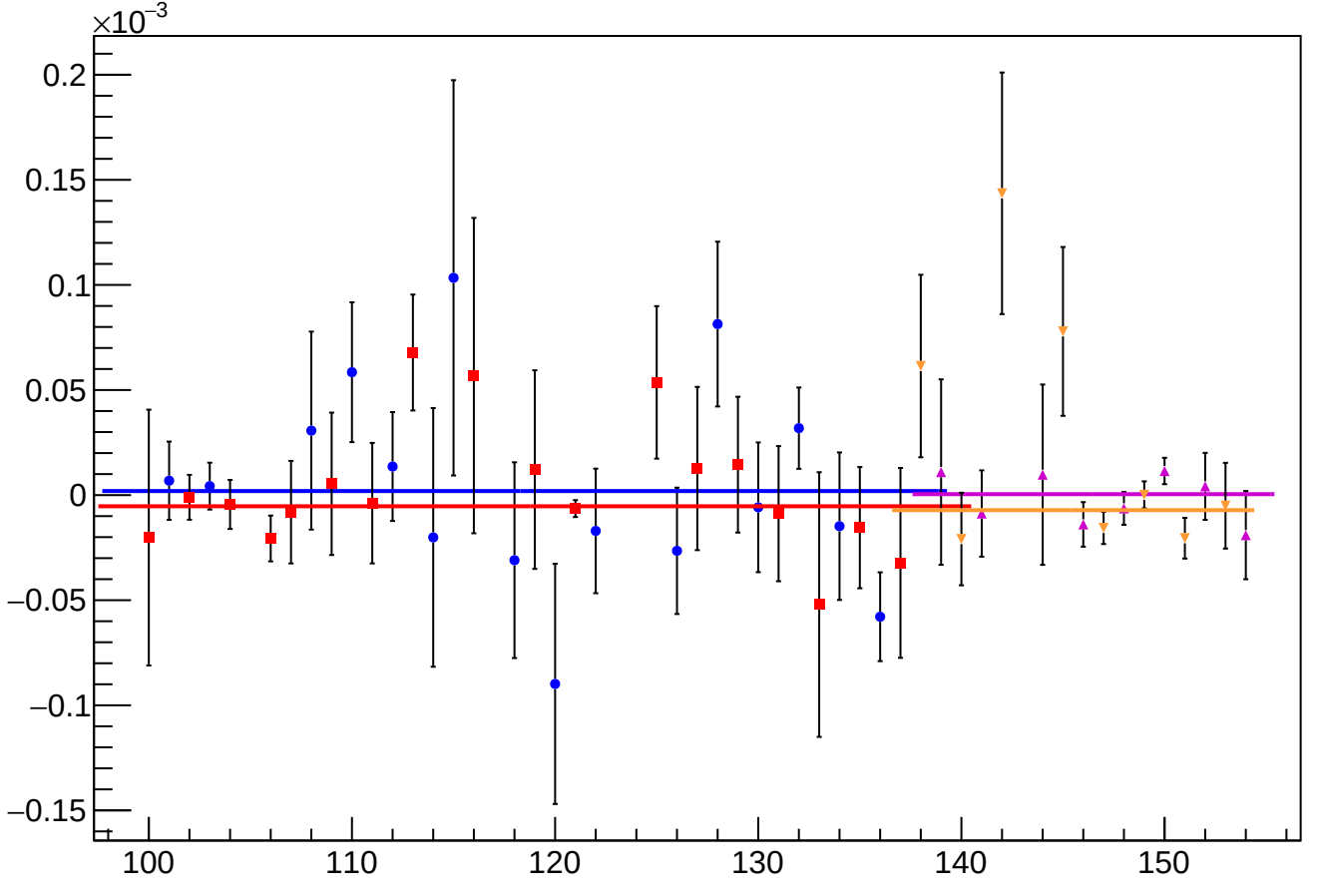
Left: 642.638+/-0.129 χ^2/NDF: 1054290.0/15

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 287.621+/-0.062 χ^2/NDF:5832989.1/23

Out: 266.467+/-0.060 χ^2/NDF:5906015.2/25

All: 276.788+/-0.043 χ^2/NDF: 11798715.6/49



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:6.9/7

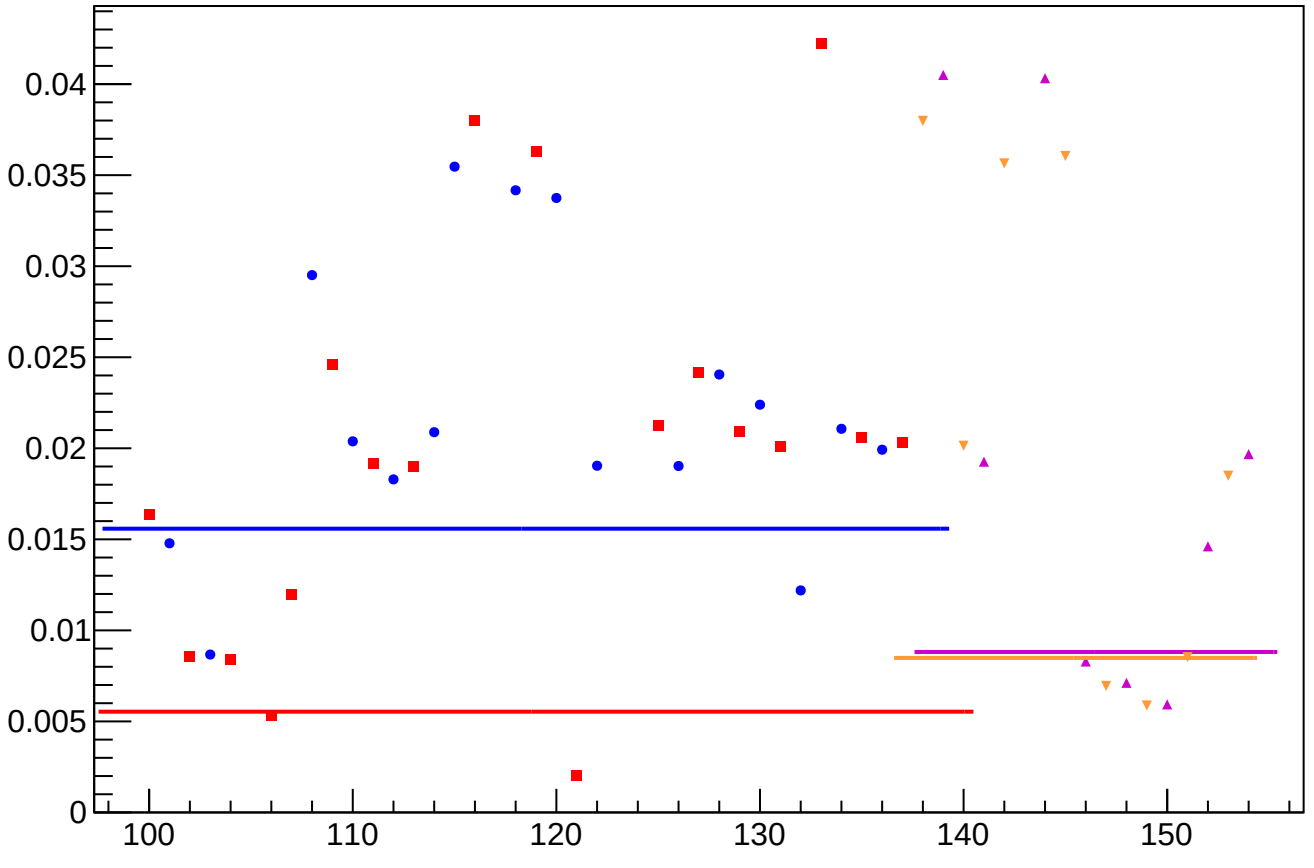
Left: -0.000+/-0.000 χ^2/NDF: 27.3/15

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.0/23

Out: -0.000+/-0.000 χ^2/NDF:33.3/25

All: -0.000+/-0.000 χ^2/NDF: 66.9/49



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: 0.009+/-0.000 χ^2/NDF:3952609.1/7

Left: 0.009+/-0.000 χ^2/NDF: 7723936.7/15

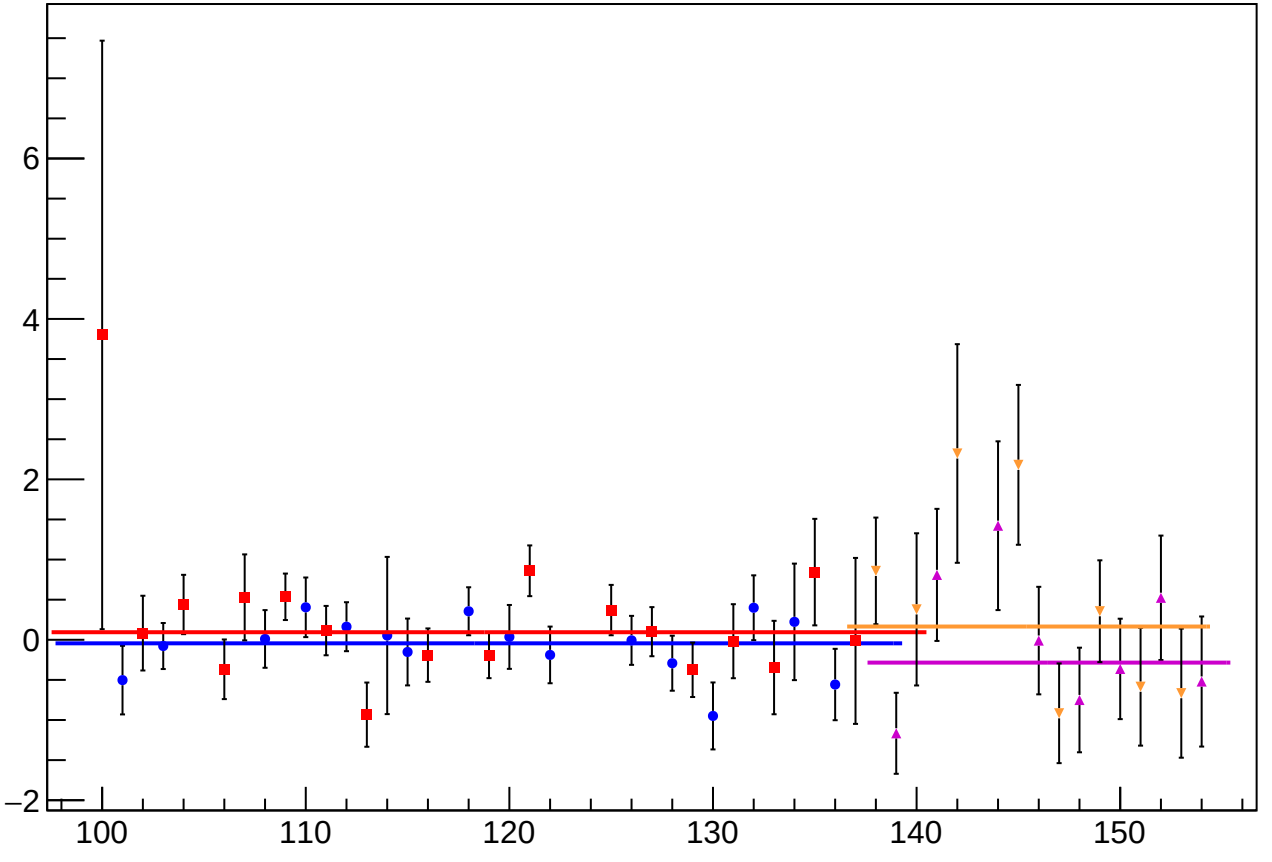
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:7630338.4/23

Out: 0.007+/-0.000 χ^2/NDF:12353742.5/25

All: 0.008+/-0.000 χ^2/NDF: 21868778.2/49

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: -0.285+/-0.245 χ^2/NDF:9.3/7

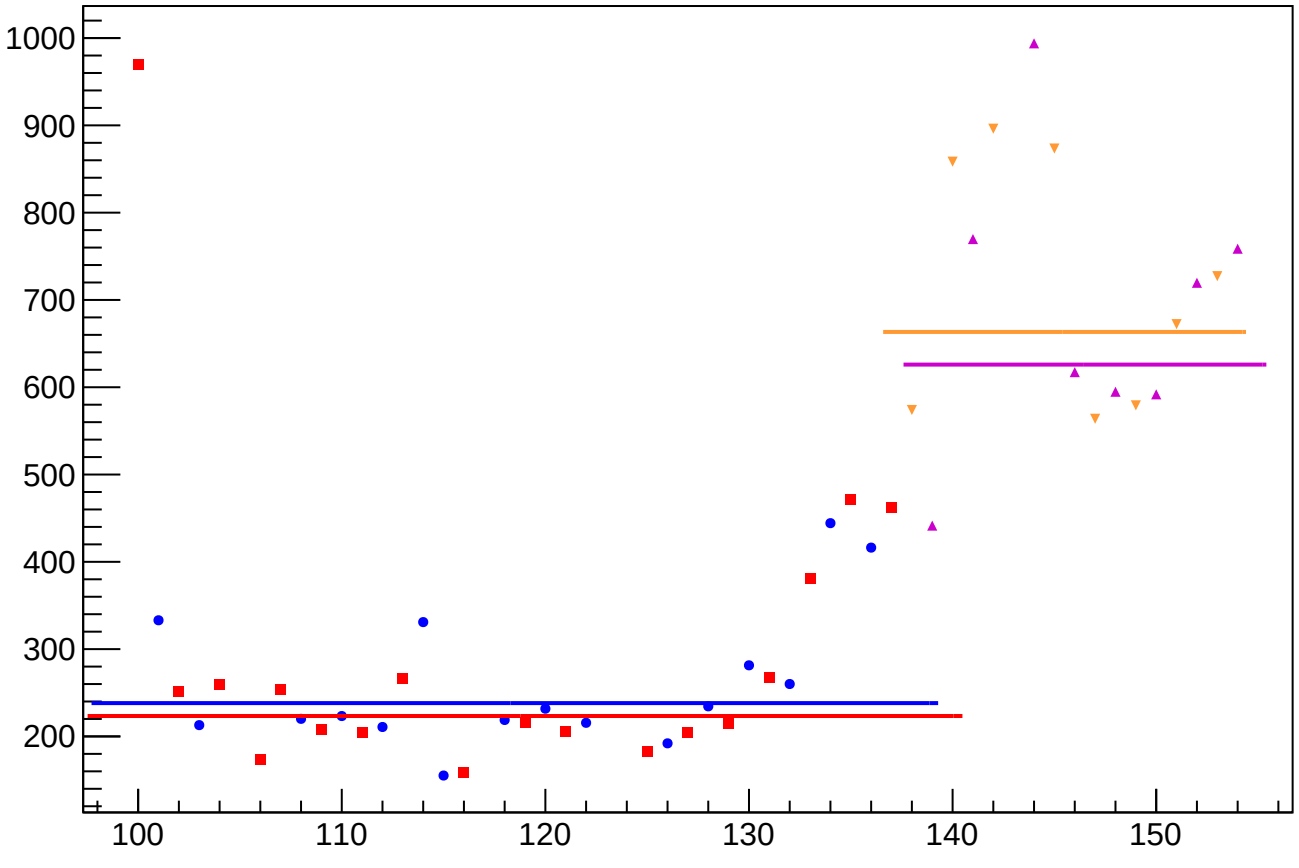
Left: -0.084+/-0.183 χ^2/NDF: 23.8/15

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.075+/-0.088 χ^2/NDF:23.2/23

Out: 0.101+/-0.086 χ^2/NDF:38.3/25

All: 0.015+/-0.061 χ^2/NDF: 63.6/49



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: 625.948+/-0.173 χ^2/NDF:666267.9/7

Left: 642.645+/-0.129 χ^2/NDF: 1054301.7/15

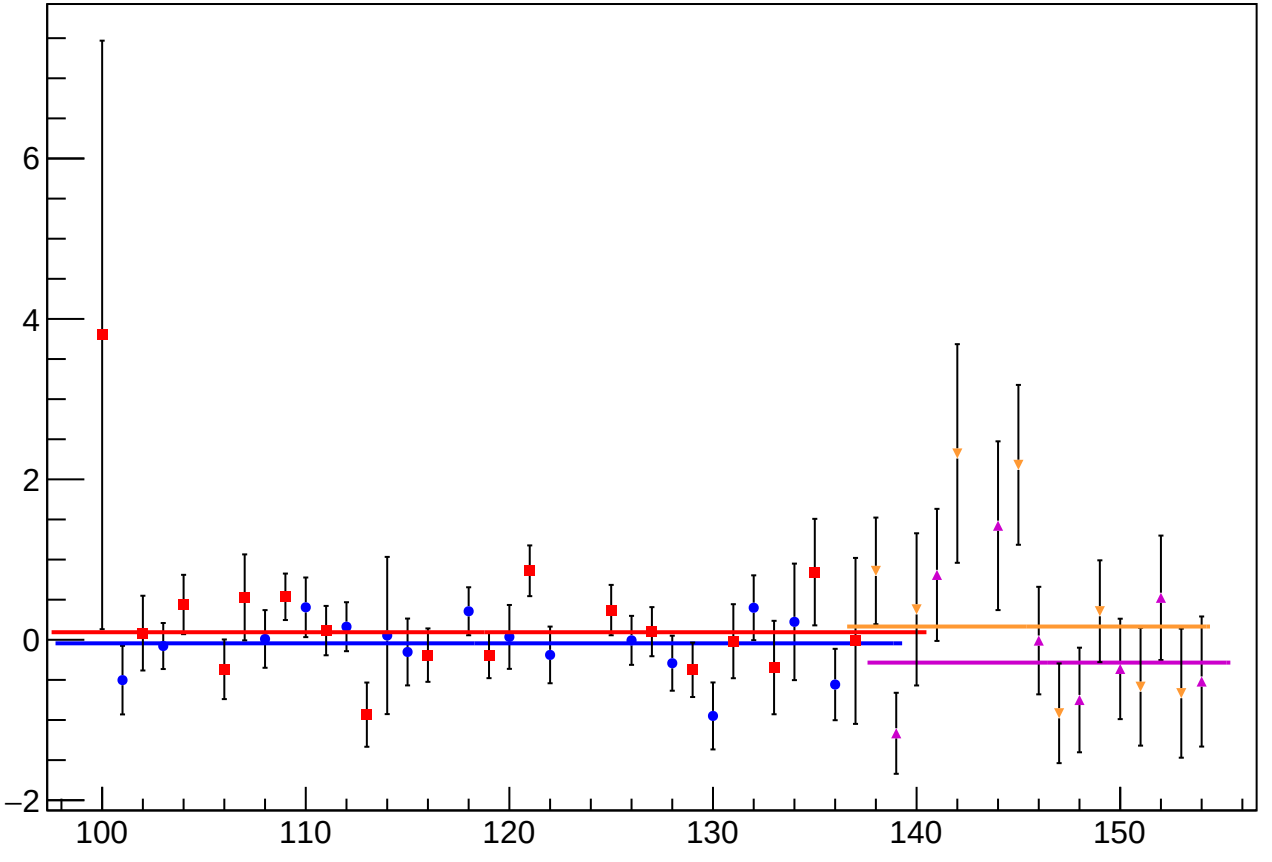
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 287.622+/-0.062 χ^2/NDF:5833014.9/23

Out: 266.469+/-0.060 χ^2/NDF:5905985.2/25

All: 276.789+/-0.043 χ^2/NDF: 11798706.6/49

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: -0.285+/-0.245 χ^2/NDF:9.3/7

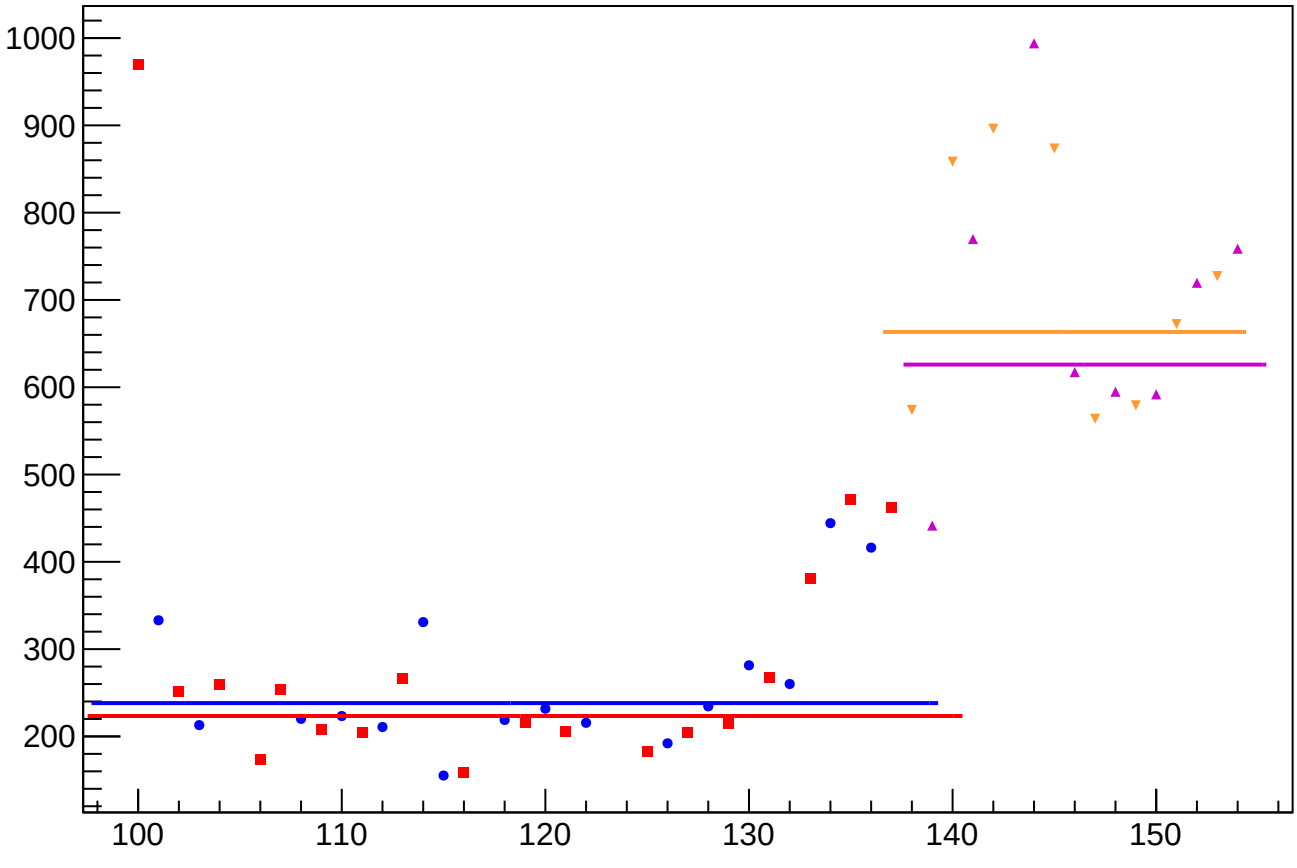
Left: -0.084+/-0.183 χ^2/NDF: 23.8/15

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.075+/-0.088 χ^2/NDF:23.2/23

Out: 0.101+/-0.086 χ^2/NDF:38.3/25

All: 0.015+/-0.061 χ^2/NDF: 63.6/49



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: 625.948+/-0.173 χ^2/NDF:666267.9/7

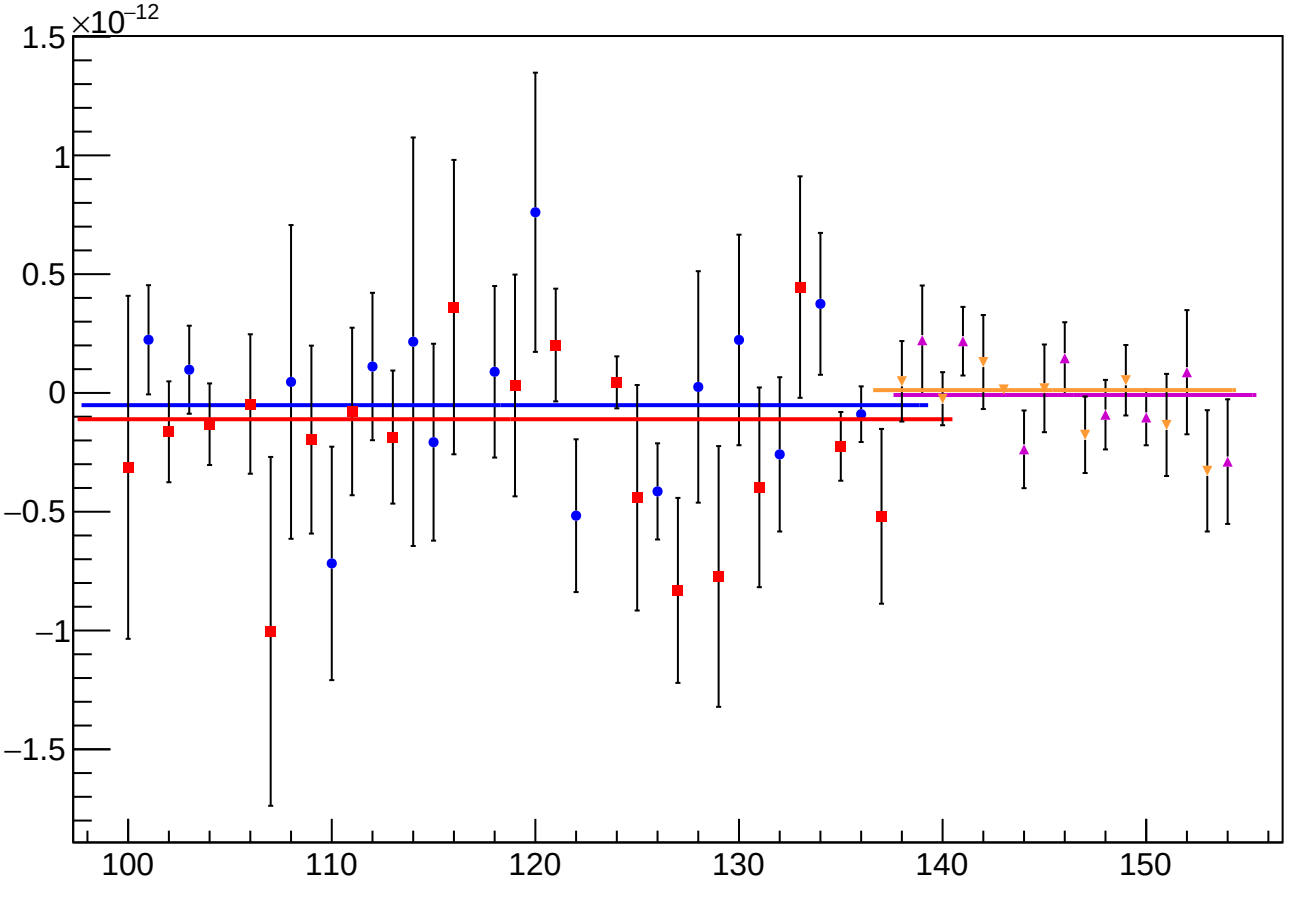
Left: 642.645+/-0.129 χ^2/NDF: 1054301.7/15

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 287.622+/-0.062 χ^2/NDF:5833014.9/23

Out: 266.469+/-0.060 χ^2/NDF:5905985.2/25

All: 276.789+/-0.043 χ^2/NDF: 11798706.6/49



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:8.7/7

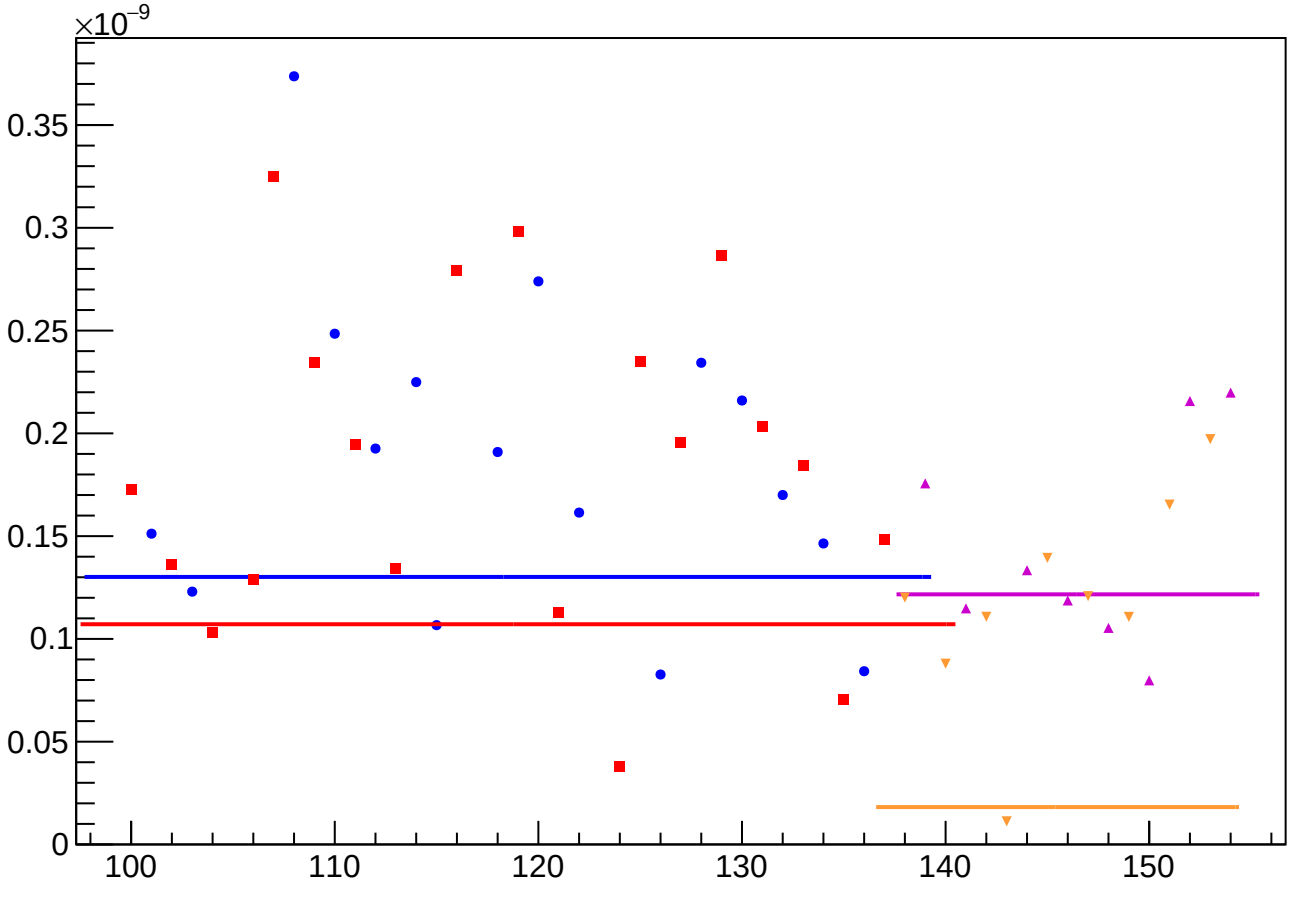
Left: 0.000+/-0.000 χ^2/NDF: 13.0/16

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:23.7/23

Out: 0.000+/-0.000 χ^2/NDF:23.6/27

All: 0.000+/-0.000 χ^2/NDF: 47.8/51



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:944229.7/7

Left: 0.000+/-0.000 χ^2/NDF: 13625018.9/16

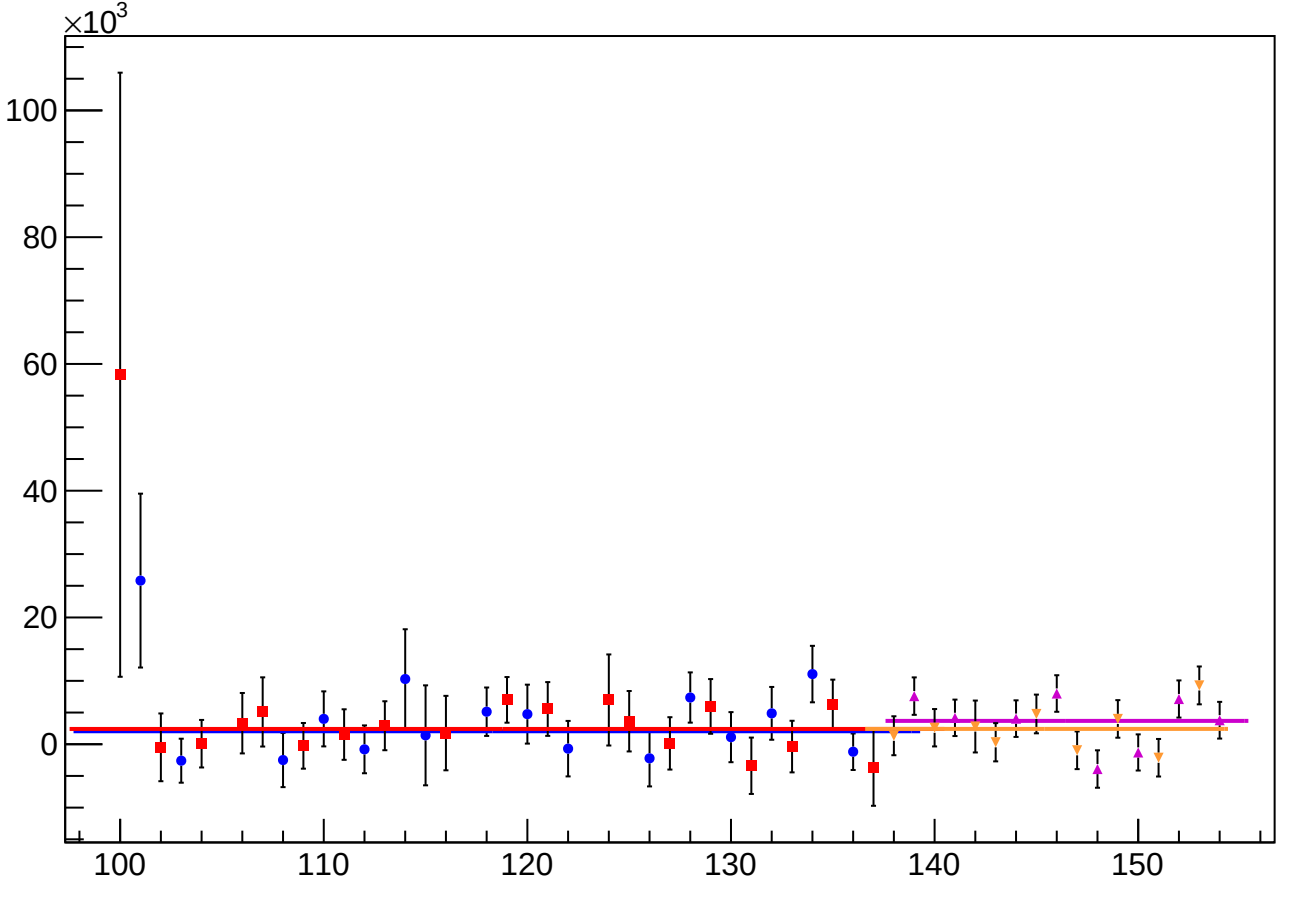
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2296594.9/23

Out: 0.000+/-0.000 χ^2/NDF:13649443.3/27

All: 0.000+/-0.000 χ^2/NDF: 25594587.4/51

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: 3683.482+/-1026.632 χ^2/NDF:15.1/7

Left: 3050.633+/-725.607 χ^2/NDF: 26.3/16

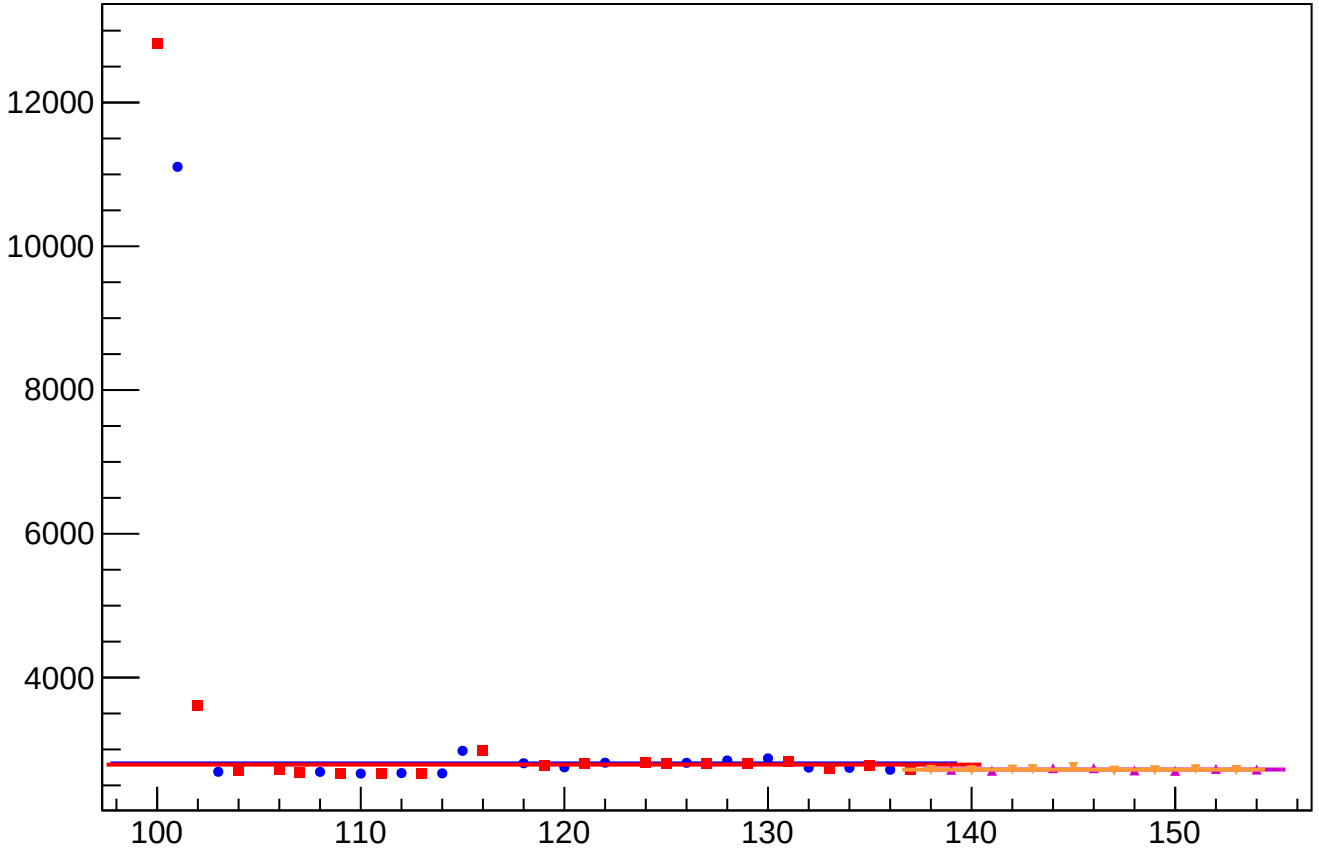
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2900.573+/-740.927 χ^2/NDF:34.1/23

Out: 2415.433+/-728.707 χ^2/NDF:21.2/27

All: 2653.969+/-519.540 χ^2/NDF: 55.5/51

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: 2720.342+/-0.726 χ^2/NDF:373.3/7

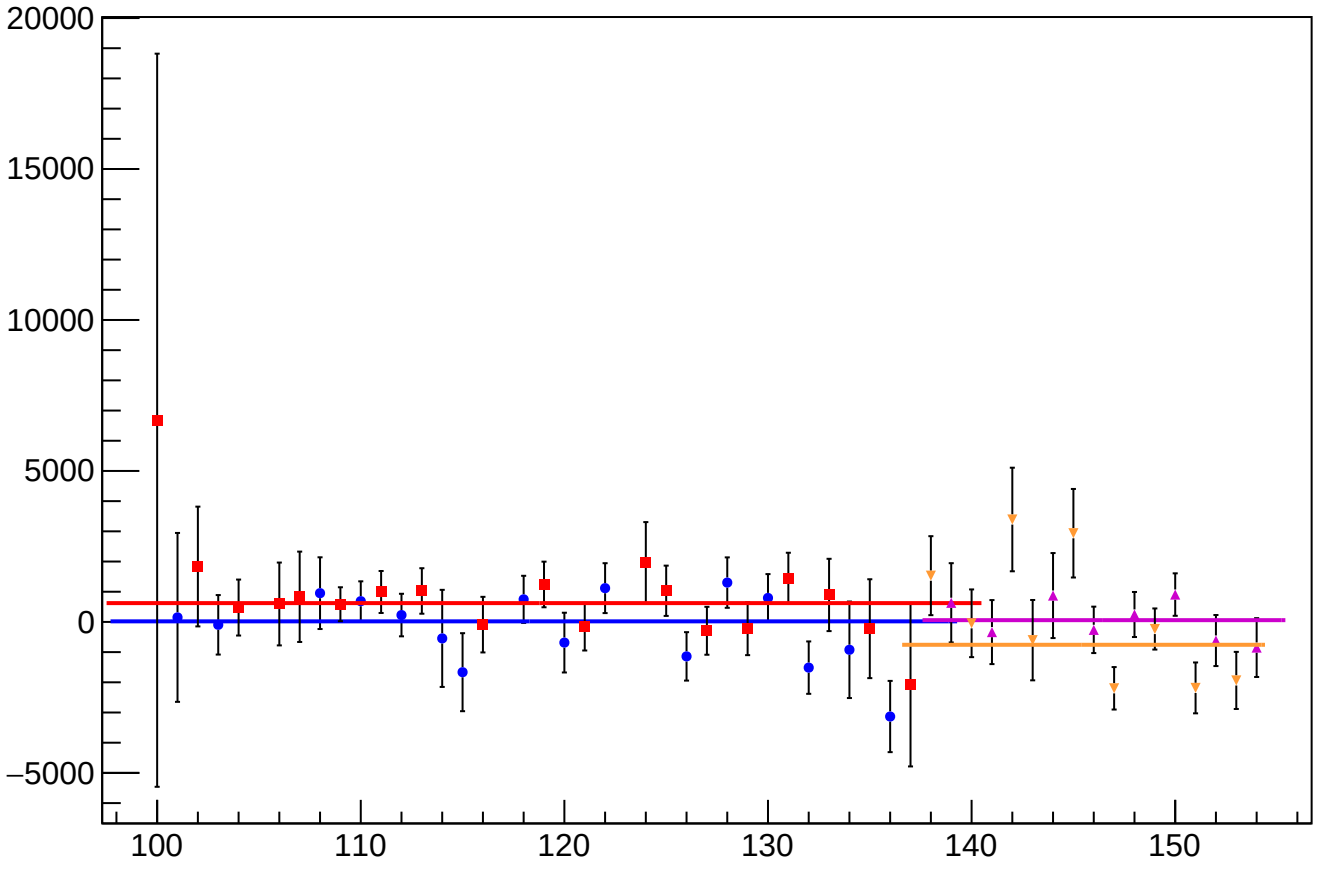
Left: 2719.735+/-0.513 χ^2/NDF: 752.3/16

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2761.119+/-0.524 χ^2/NDF:753198.9/23

Out: 2753.644+/-0.515 χ^2/NDF:151948.7/27

All: 2757.319+/-0.367 χ^2/NDF: 905251.1/51



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: 58.287+/-317.193 χ^2/NDF:3.9/7

Left: -339.292+/-227.069 χ^2/NDF: 32.0/16

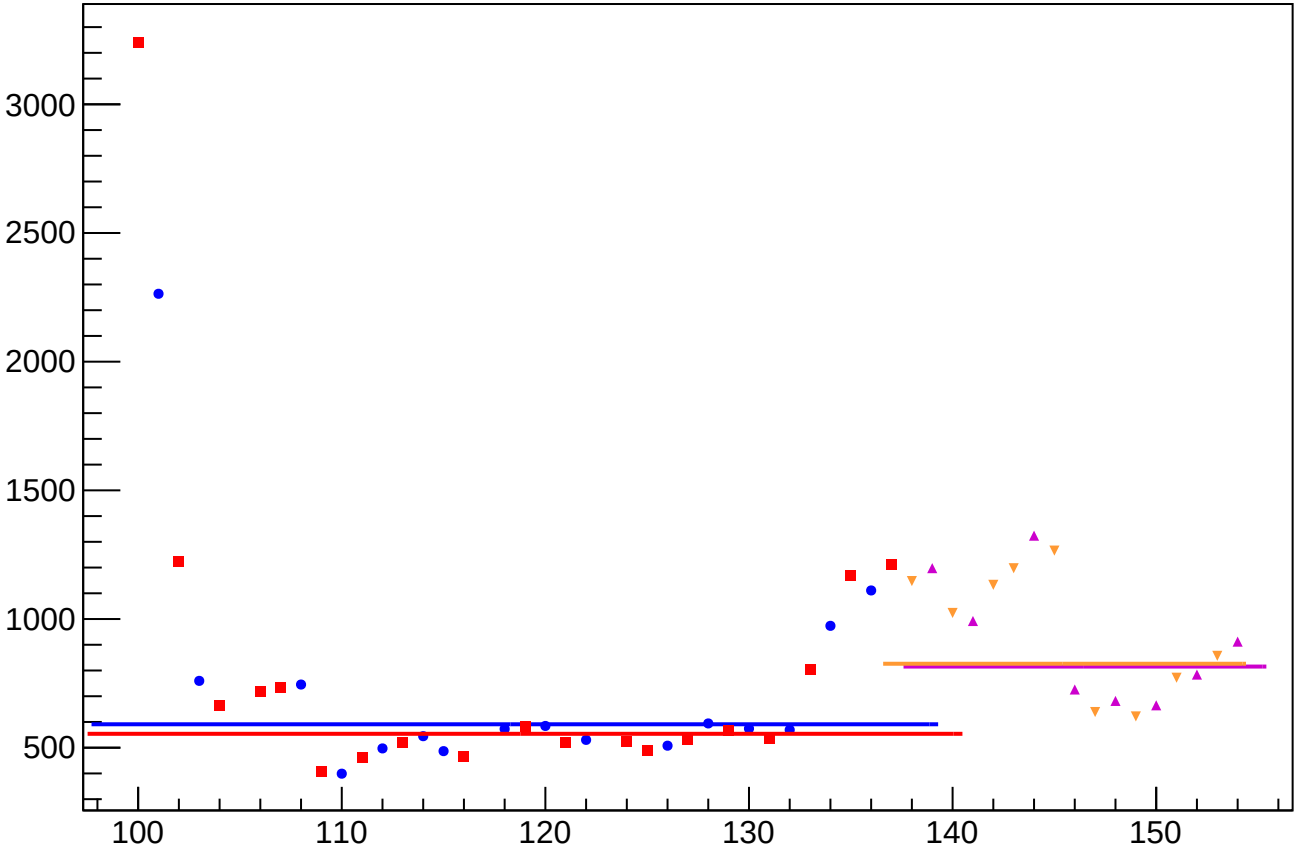
Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 32.794+/-188.034 χ^2/NDF:26.6/23

Out: 200.716+/-179.898 χ^2/NDF:46.7/27

All: 120.466+/-129.988 χ^2/NDF: 73.7/51

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: 815.276+/-0.224 χ^2/NDF:691681.3/7

Left: 820.618+/-0.161 χ^2/NDF: 1608320.6/16

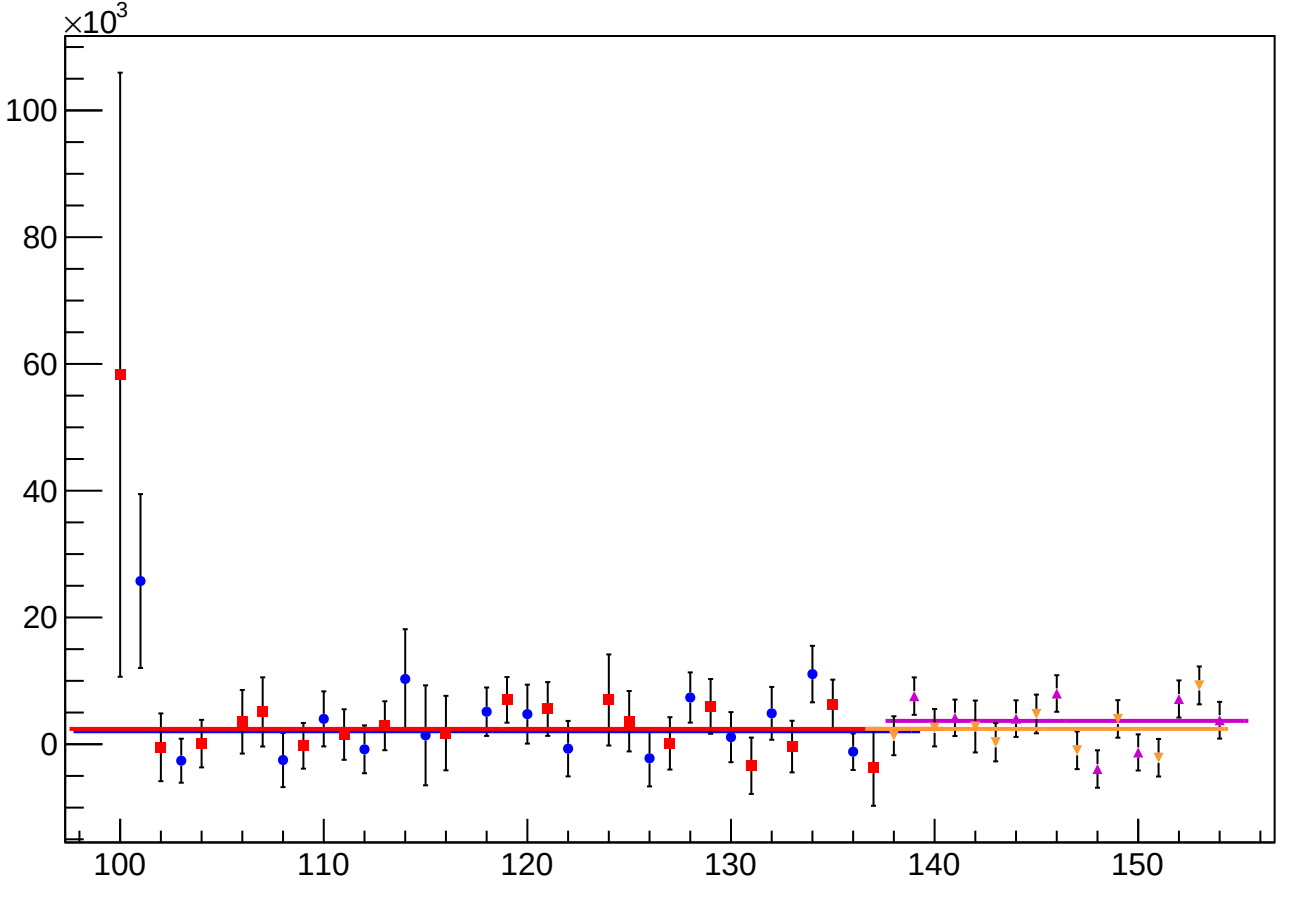
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 669.842+/-0.133 χ^2/NDF:2907608.1/23

Out: 637.293+/-0.127 χ^2/NDF:3005153.2/27

All: 652.848+/-0.092 χ^2/NDF: 5944048.1/51

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: 3683.664+/-1026.632 χ^2/NDF:15.1/7

Left: 3050.727+/-725.607 χ^2/NDF: 26.3/16

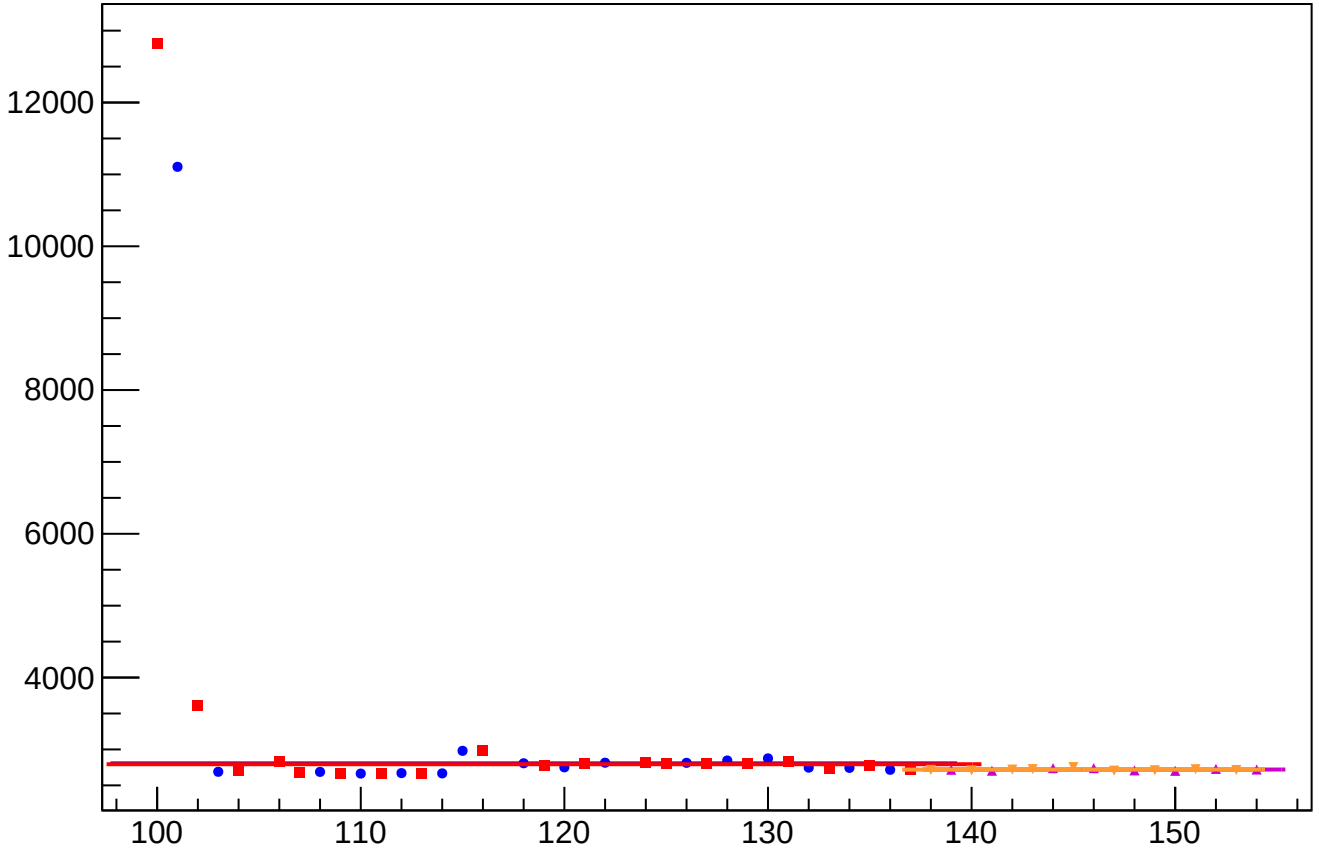
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2900.282+/-740.927 χ^2/NDF:34.1/23

Out: 2418.434+/-729.537 χ^2/NDF:21.2/27

All: 2655.626+/-519.841 χ^2/NDF: 55.5/51

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: 2720.342+/-0.726 χ^2/NDF:373.3/7

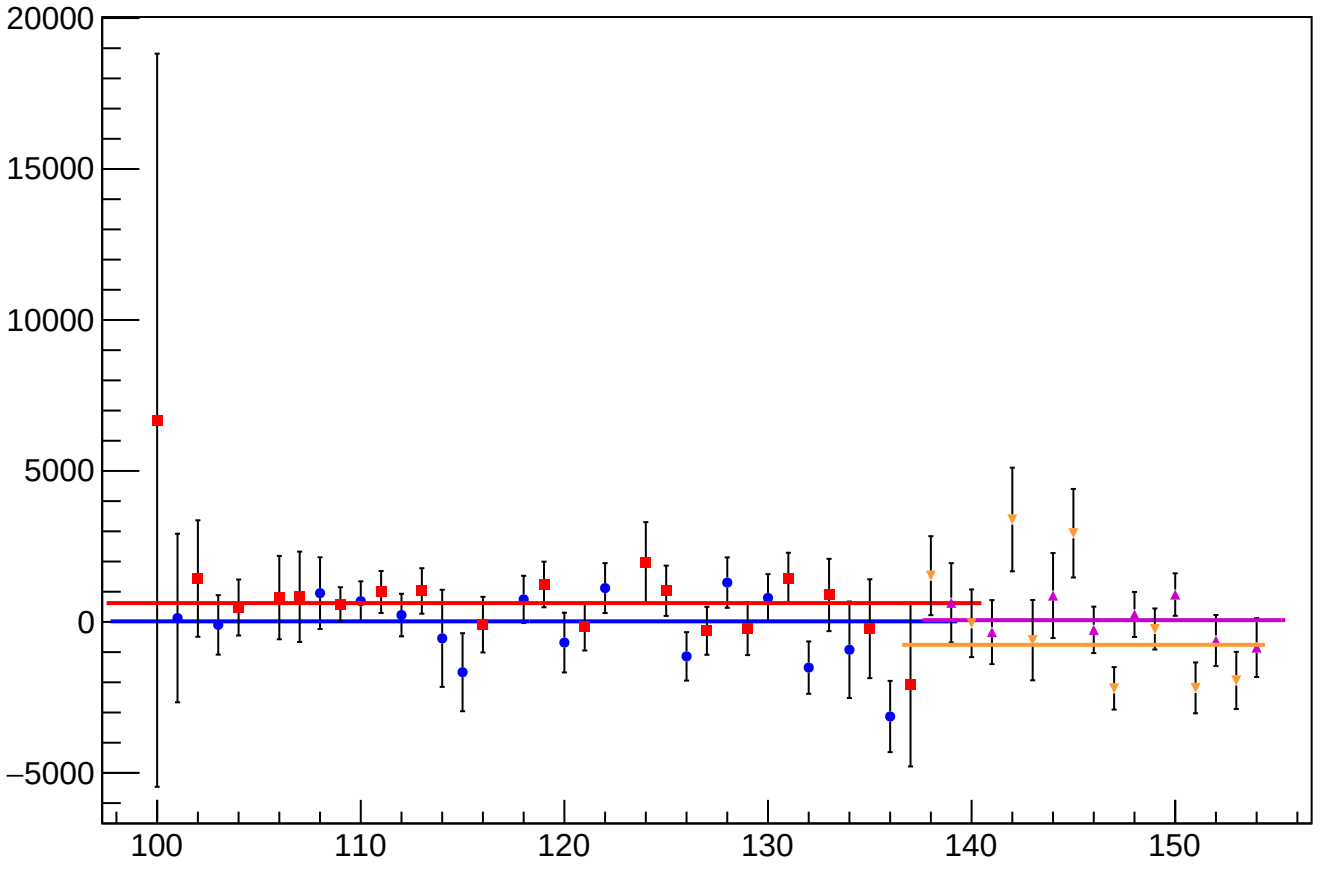
Left: 2719.735+/-0.513 χ^2/NDF: 752.3/16

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2761.119+/-0.524 χ^2/NDF:753198.0/23

Out: 2756.201+/-0.516 χ^2/NDF:152409.5/27

All: 2758.622+/-0.368 χ^2/NDF: 905652.3/51



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: 58.531+/-317.193 χ^2/NDF:3.9/7

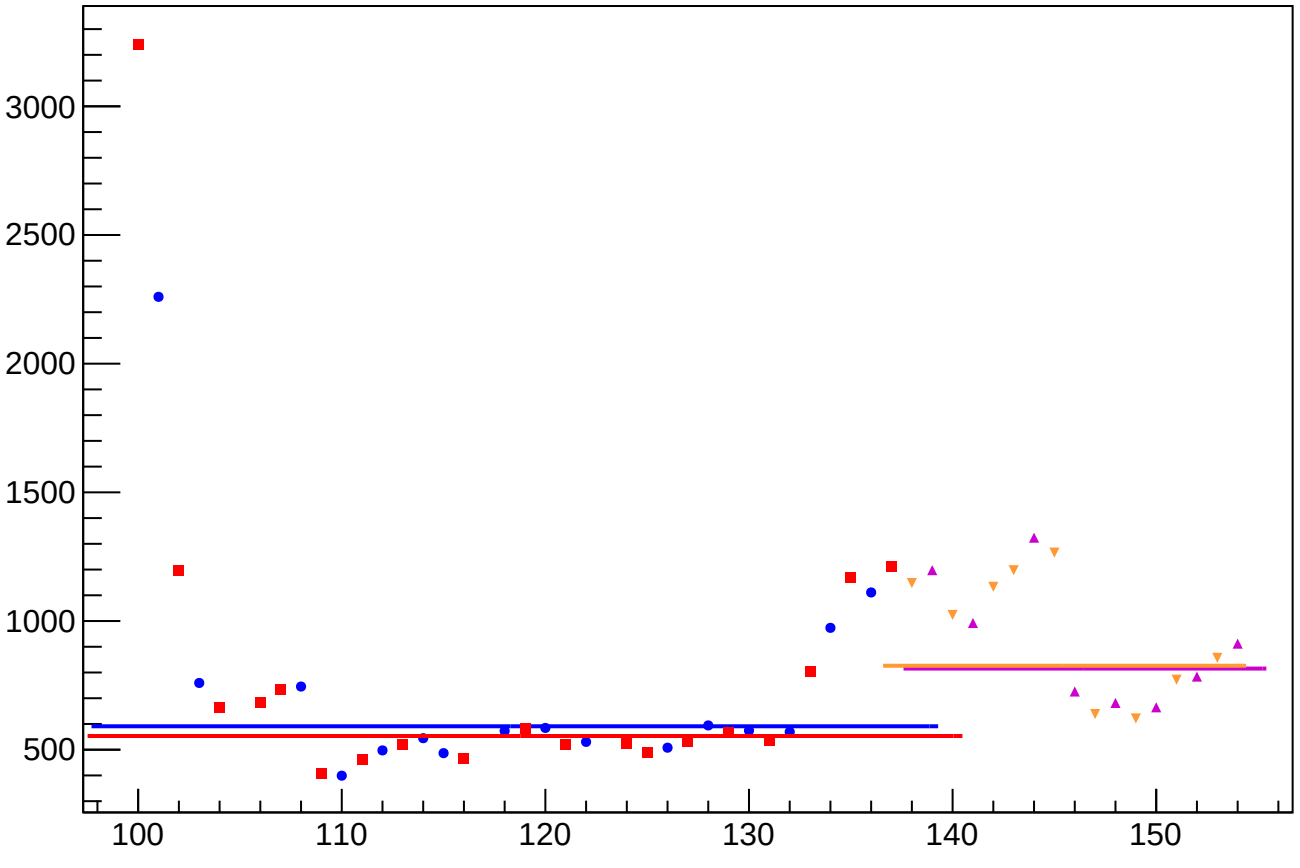
Left: -339.163+/-227.068 χ^2/NDF: 32.0/16

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 32.852+/-188.028 χ^2/NDF:26.6/23

Out: 201.612+/-179.870 χ^2/NDF:46.5/27

All: 120.972+/-129.976 χ^2/NDF: 73.6/51



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: 815.274+/-0.224 χ^2/NDF:691664.0/7

Left: 820.613+/-0.161 χ^2/NDF: 1608309.9/16

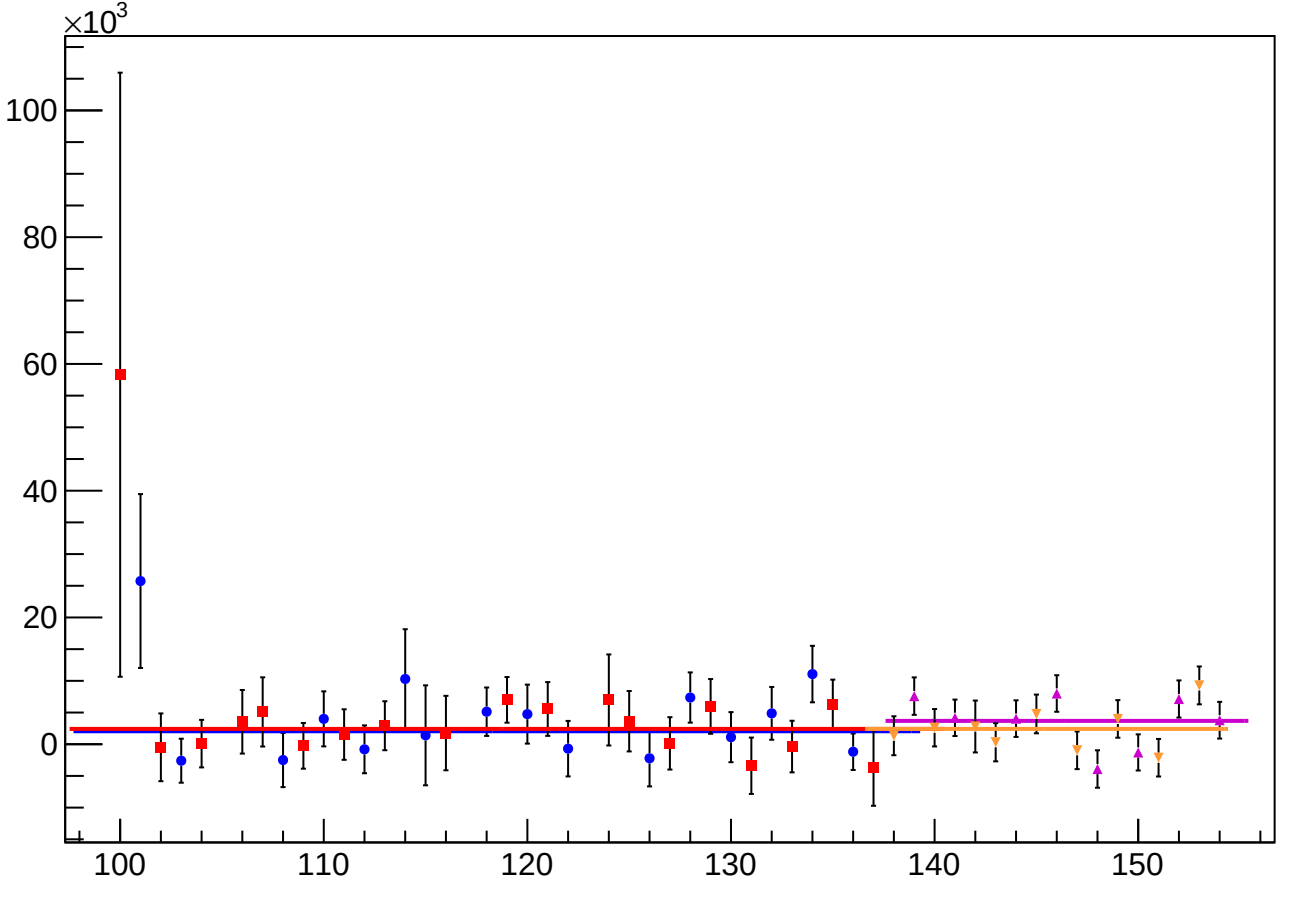
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 669.835+/-0.133 χ^2/NDF:2906587.1/23

Out: 636.747+/-0.127 χ^2/NDF:2995343.1/27

All: 652.558+/-0.092 χ^2/NDF: 5934268.5/51

eigen_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: 3683.664+/-1026.632 χ^2/NDF:15.1/7

Left: 3050.727+/-725.607 χ^2/NDF: 26.3/16

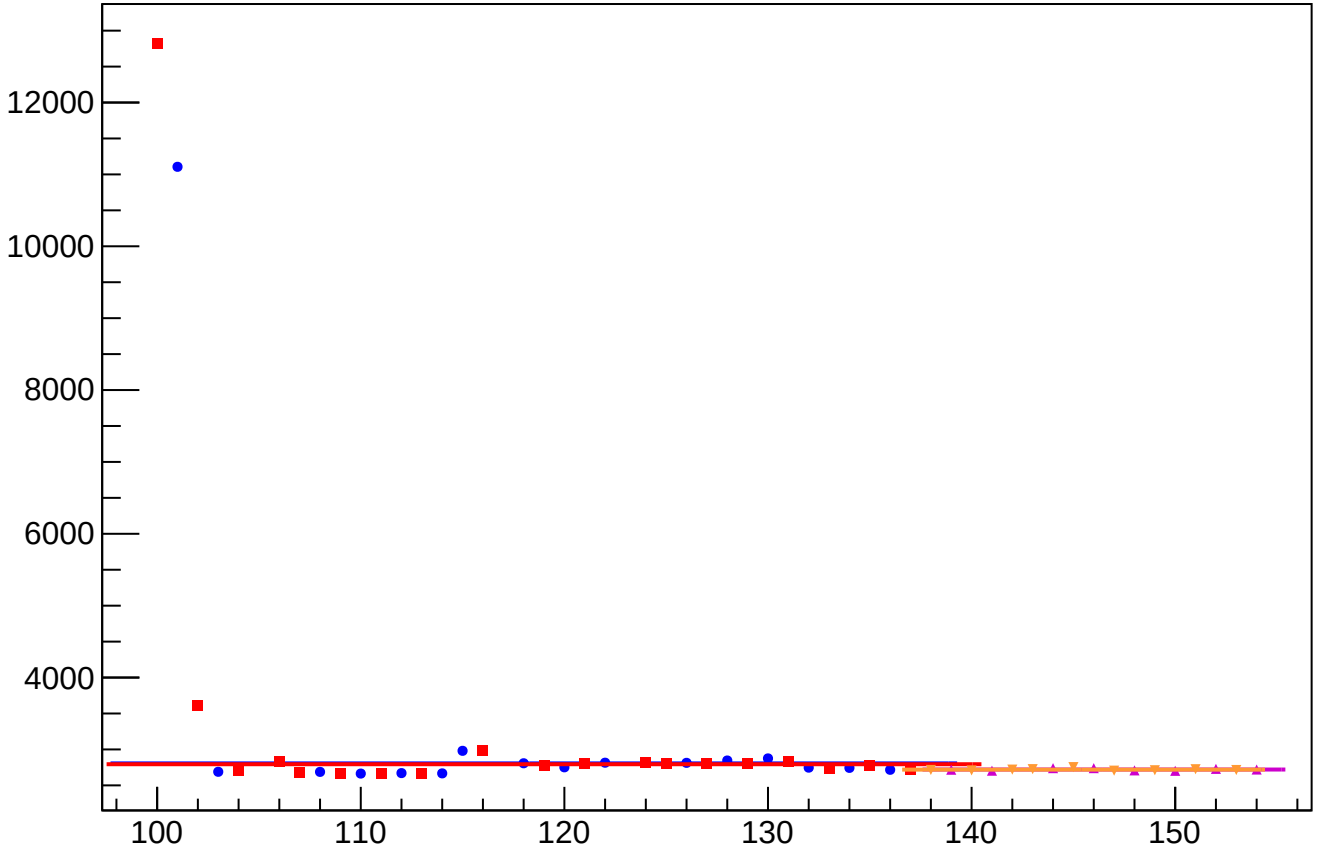
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2900.282+/-740.927 χ^2/NDF:34.1/23

Out: 2418.434+/-729.537 χ^2/NDF:21.2/27

All: 2655.626+/-519.841 χ^2/NDF: 55.5/51

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: 2720.342+/-0.726 χ^2/NDF:373.3/7

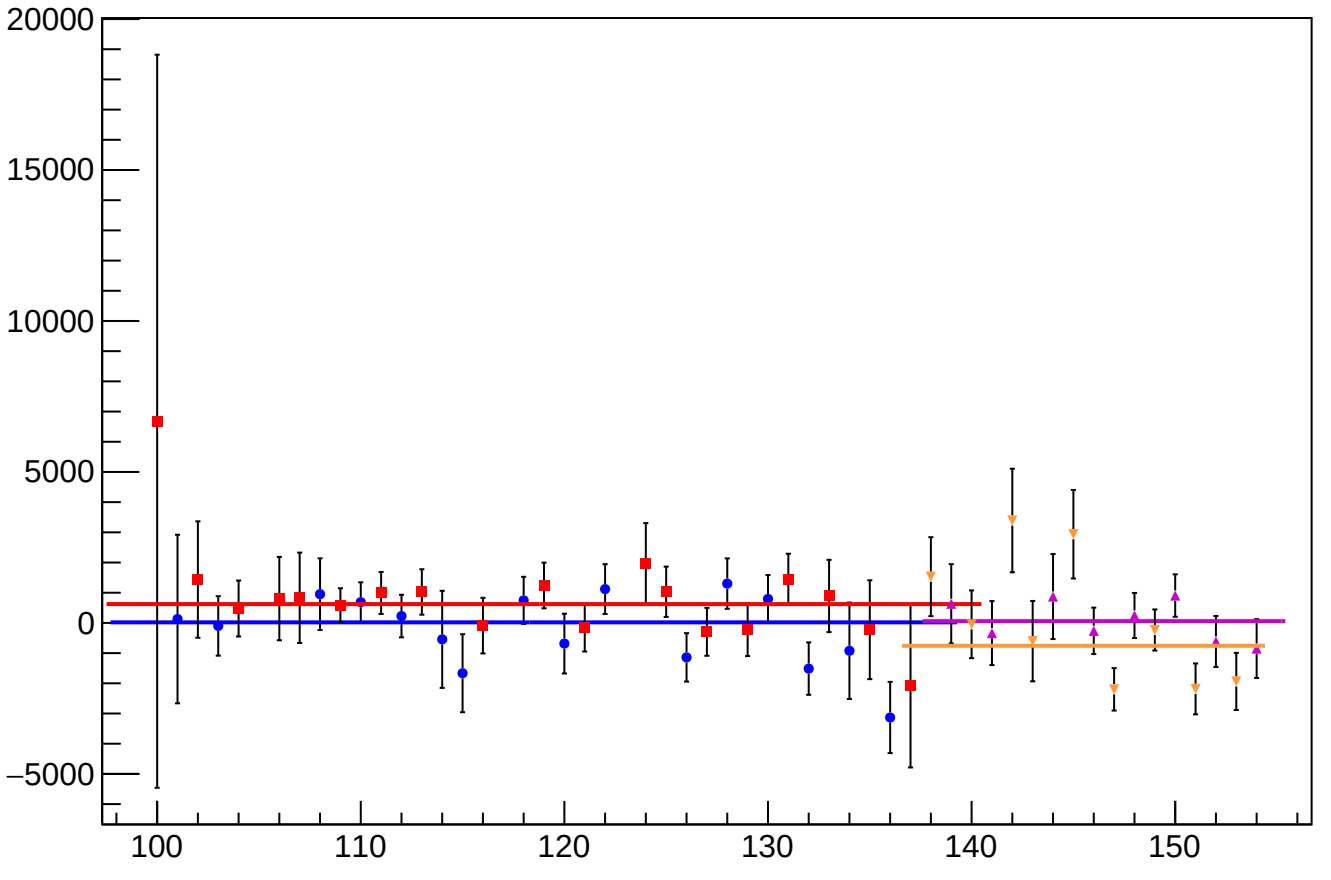
Left: 2719.735+/-0.513 χ^2/NDF: 752.3/16

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2761.119+/-0.524 χ^2/NDF:753198.0/23

Out: 2756.201+/-0.516 χ^2/NDF:152409.5/27

All: 2758.622+/-0.368 χ^2/NDF: 905652.3/51



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: 58.531+/-317.193 χ^2/NDF:3.9/7

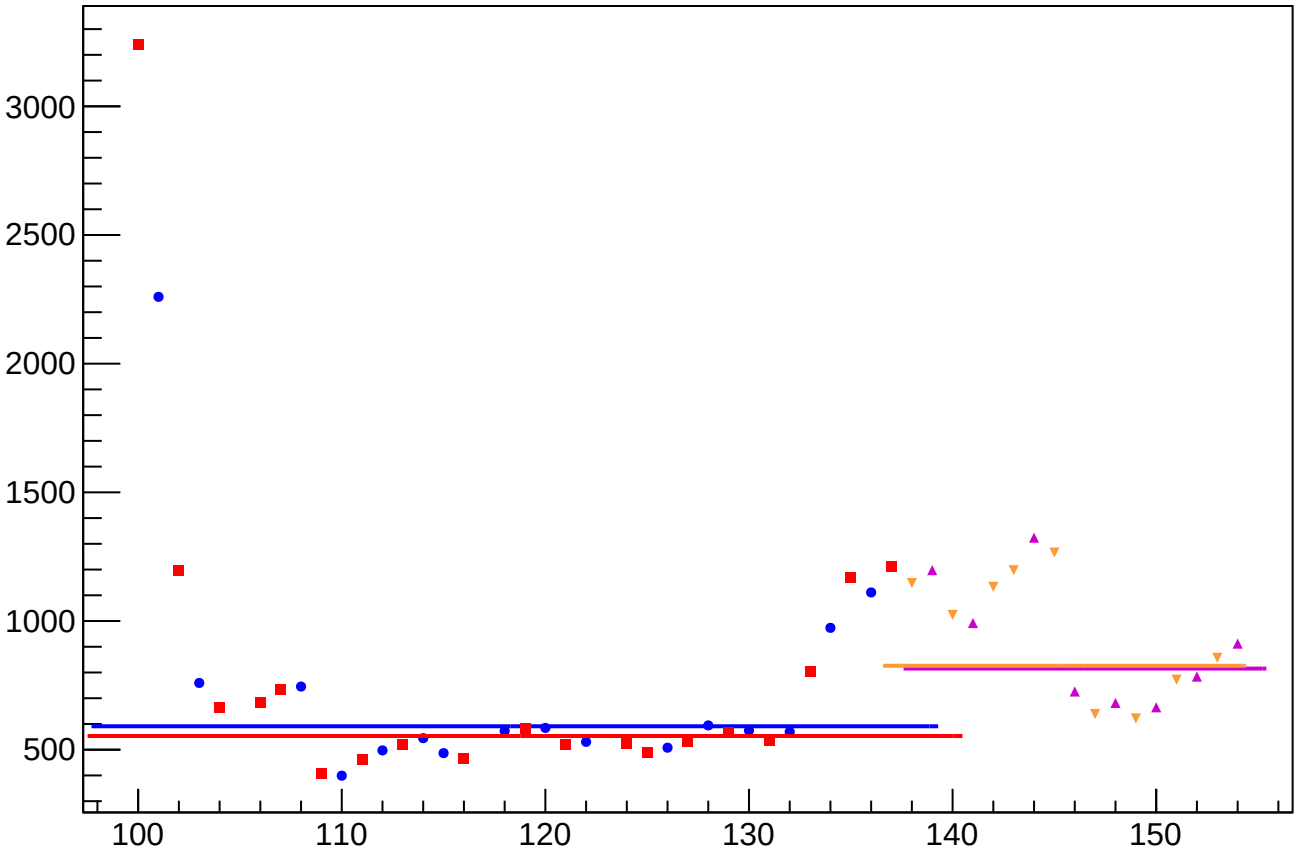
Left: -339.163+/-227.068 χ^2/NDF: 32.0/16

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 32.852+/-188.028 χ^2/NDF:26.6/23

Out: 201.612+/-179.870 χ^2/NDF:46.5/27

All: 120.972+/-129.976 χ^2/NDF: 73.6/51



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: 815.274+/-0.224 χ^2/NDF:691664.0/7

Left: 820.613+/-0.161 χ^2/NDF: 1608309.9/16

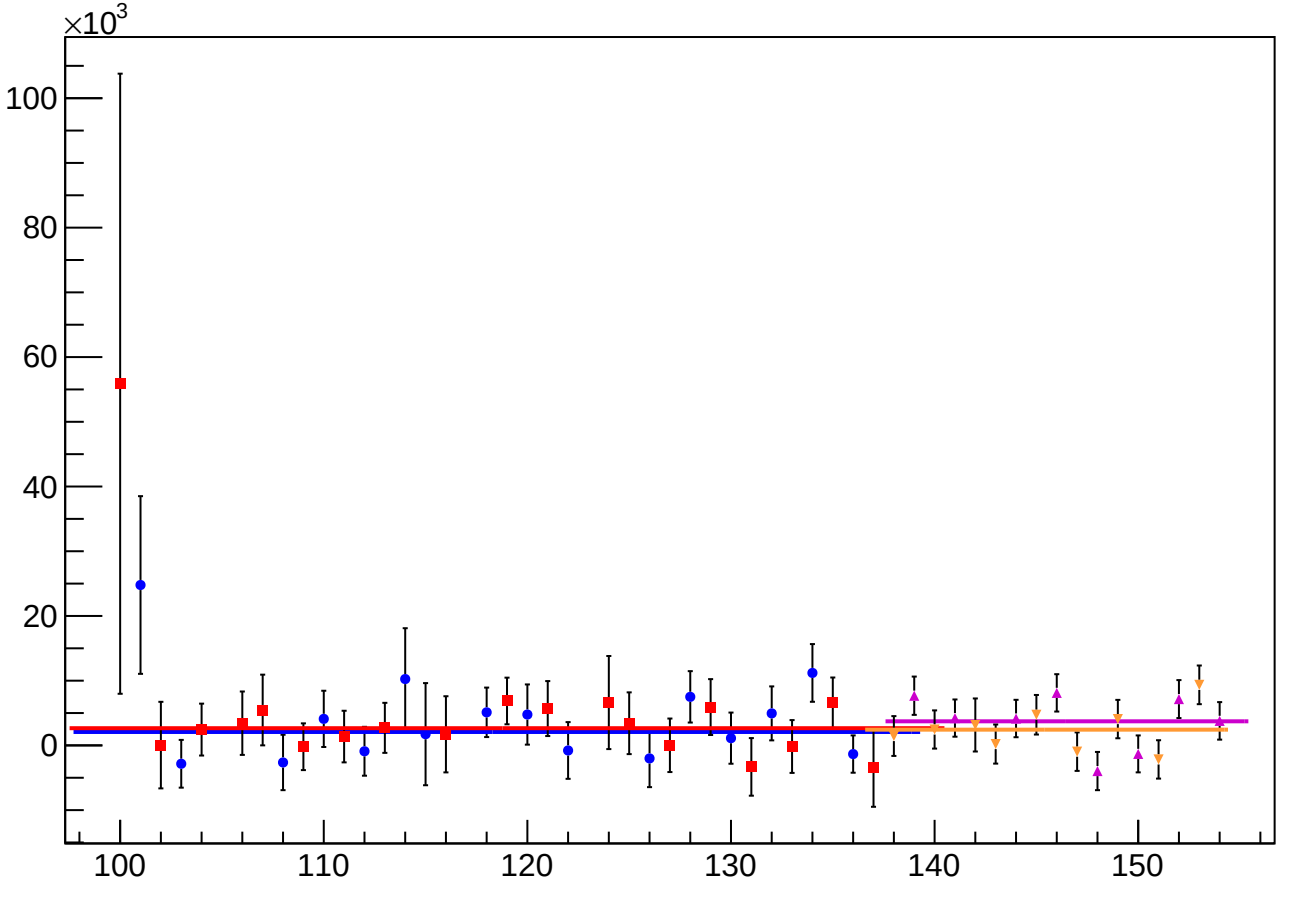
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 669.835+/-0.133 χ^2/NDF:2906587.1/23

Out: 636.747+/-0.127 χ^2/NDF:2995343.1/27

All: 652.558+/-0.092 χ^2/NDF: 5934268.5/51

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: 3721.386+/-1027.343 χ^2/NDF:15.4/7

Left: 3075.456+/-726.118 χ^2/NDF: 26.8/16

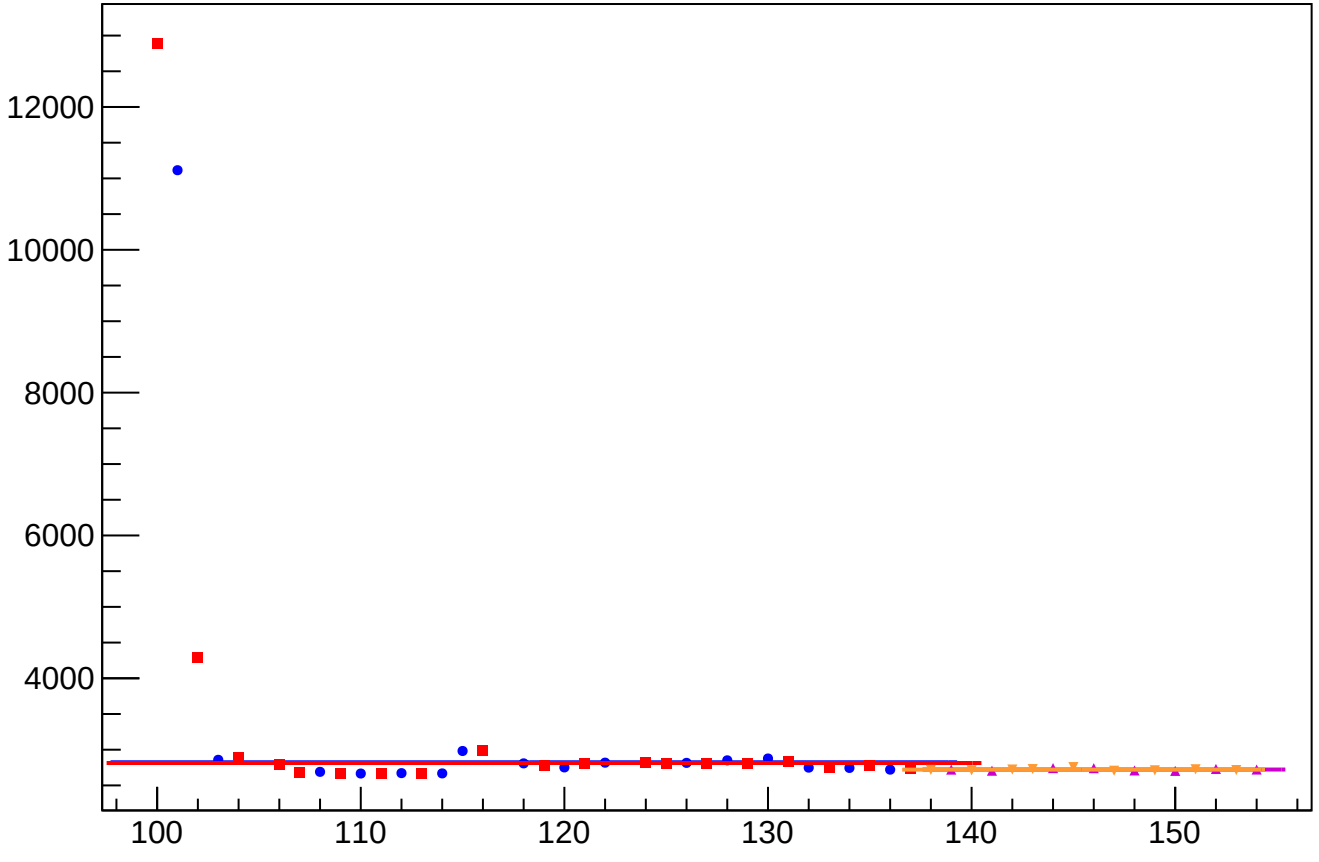
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2937.049+/-743.436 χ^2/NDF:34.5/23

Out: 2541.429+/-733.942 χ^2/NDF:20.6/27

All: 2736.697+/-522.300 χ^2/NDF: 55.2/51

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: 2722.210+/-0.726 χ^2/NDF:387.7/7

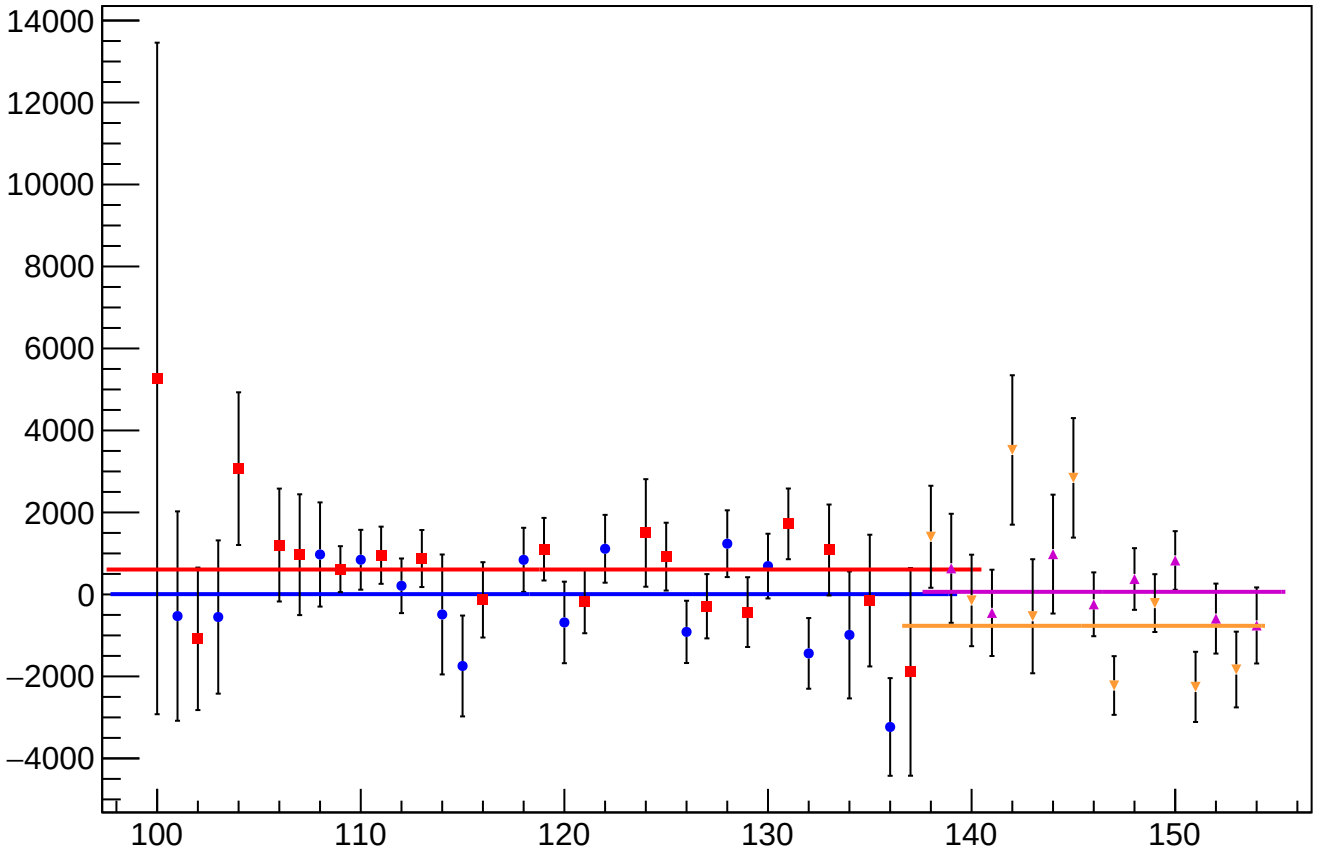
Left: 2721.644+/-0.513 χ^2/NDF: 784.2/16

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2770.433+/-0.526 χ^2/NDF:753554.9/23

Out: 2766.403+/-0.519 χ^2/NDF:208886.9/27

All: 2768.392+/-0.369 χ^2/NDF: 962471.6/51



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: 63.103+/-318.587 χ^2/NDF:3.7/7

Left: -337.890+/-228.883 χ^2/NDF: 31.1/16

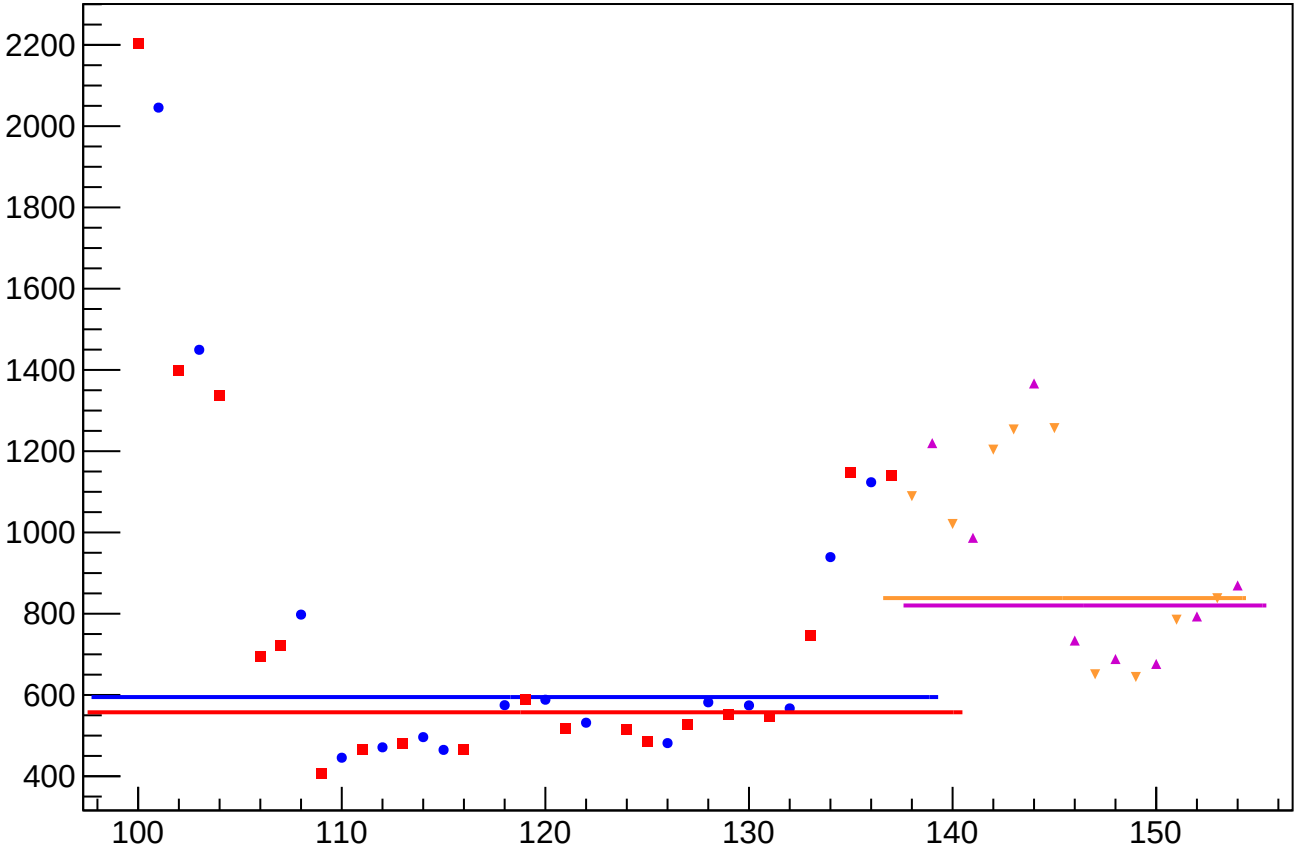
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 27.067+/-190.389 χ^2/NDF:26.5/23

Out: 191.157+/-181.207 χ^2/NDF:48.5/27

All: 113.164+/-131.259 χ^2/NDF: 75.3/51

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: 820.266+/-0.225 χ^2/NDF:689262.6/7

Left: 829.069+/-0.162 χ^2/NDF: 1546729.8/16

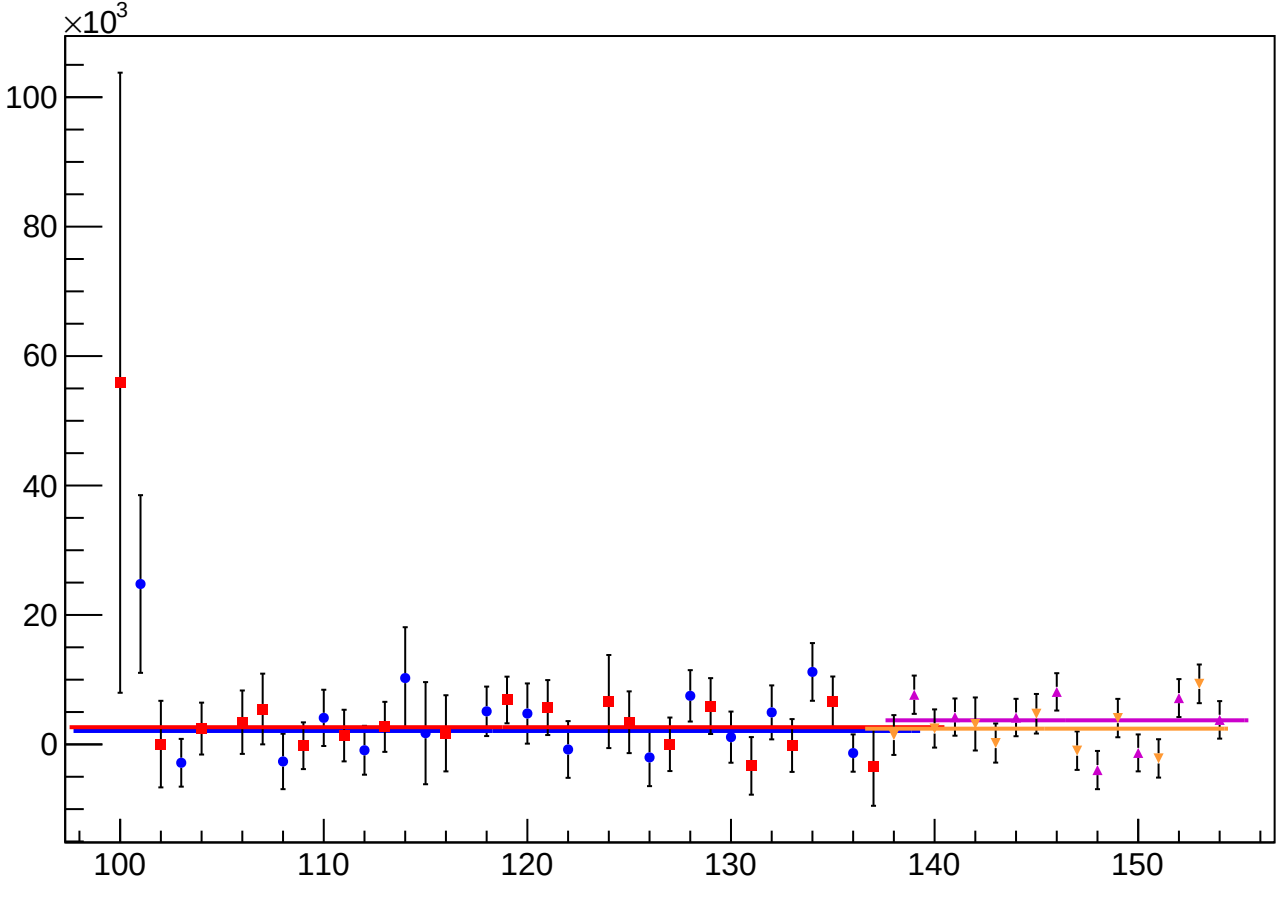
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 675.358+/-0.135 χ^2/NDF:3185550.5/23

Out: 642.638+/-0.128 χ^2/NDF:3502307.7/27

All: 658.190+/-0.093 χ^2/NDF: 6718853.5/51

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



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: 3721.387+/-1027.343 χ^2/NDF:15.4/7

Left: 3075.457+/-726.118 χ^2/NDF: 26.8/16

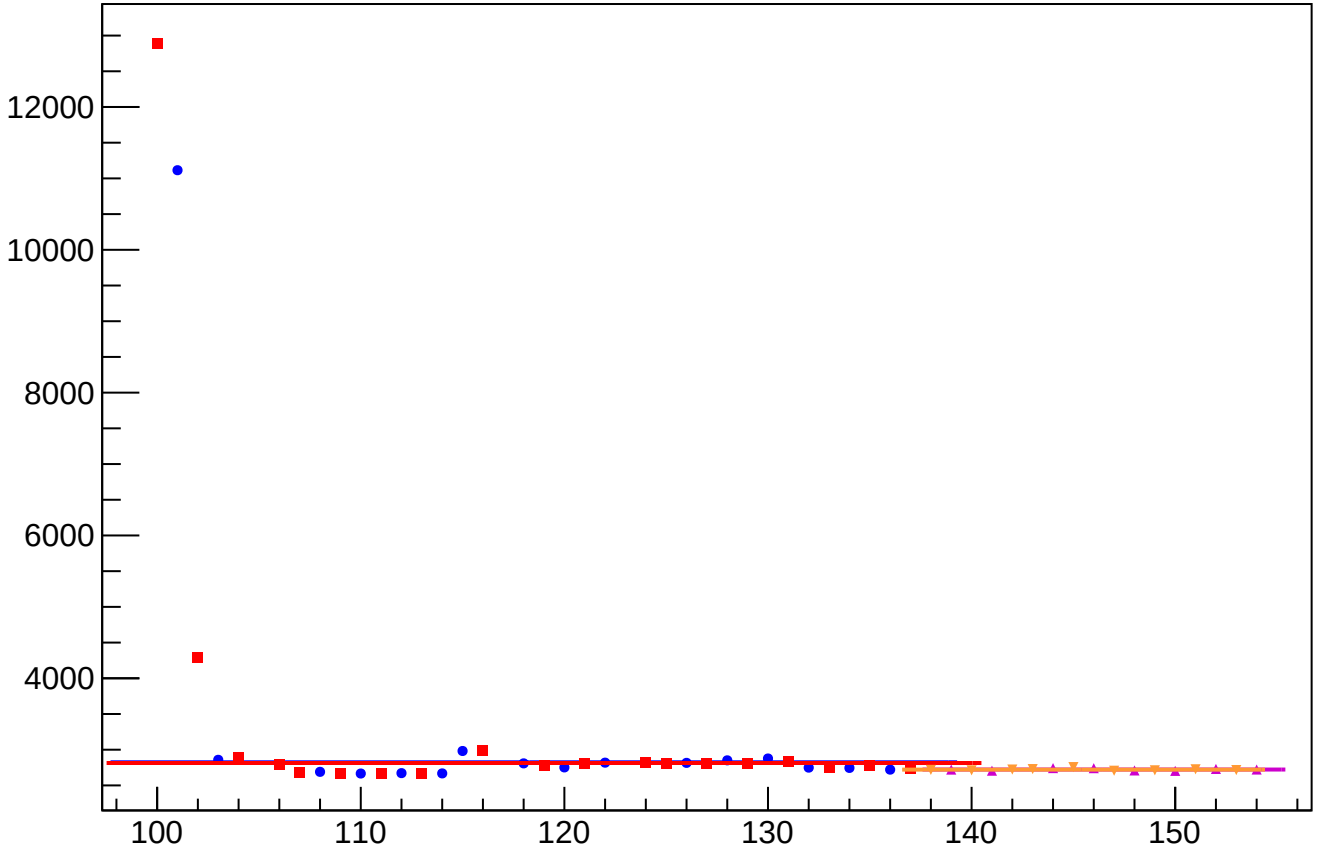
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2937.049+/-743.436 χ^2/NDF:34.5/23

Out: 2541.429+/-733.942 χ^2/NDF:20.6/27

All: 2736.697+/-522.300 χ^2/NDF: 55.2/51

eigen_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: 200511.7/18

Left In: 2722.210+/-0.726 χ^2/NDF:387.7/7

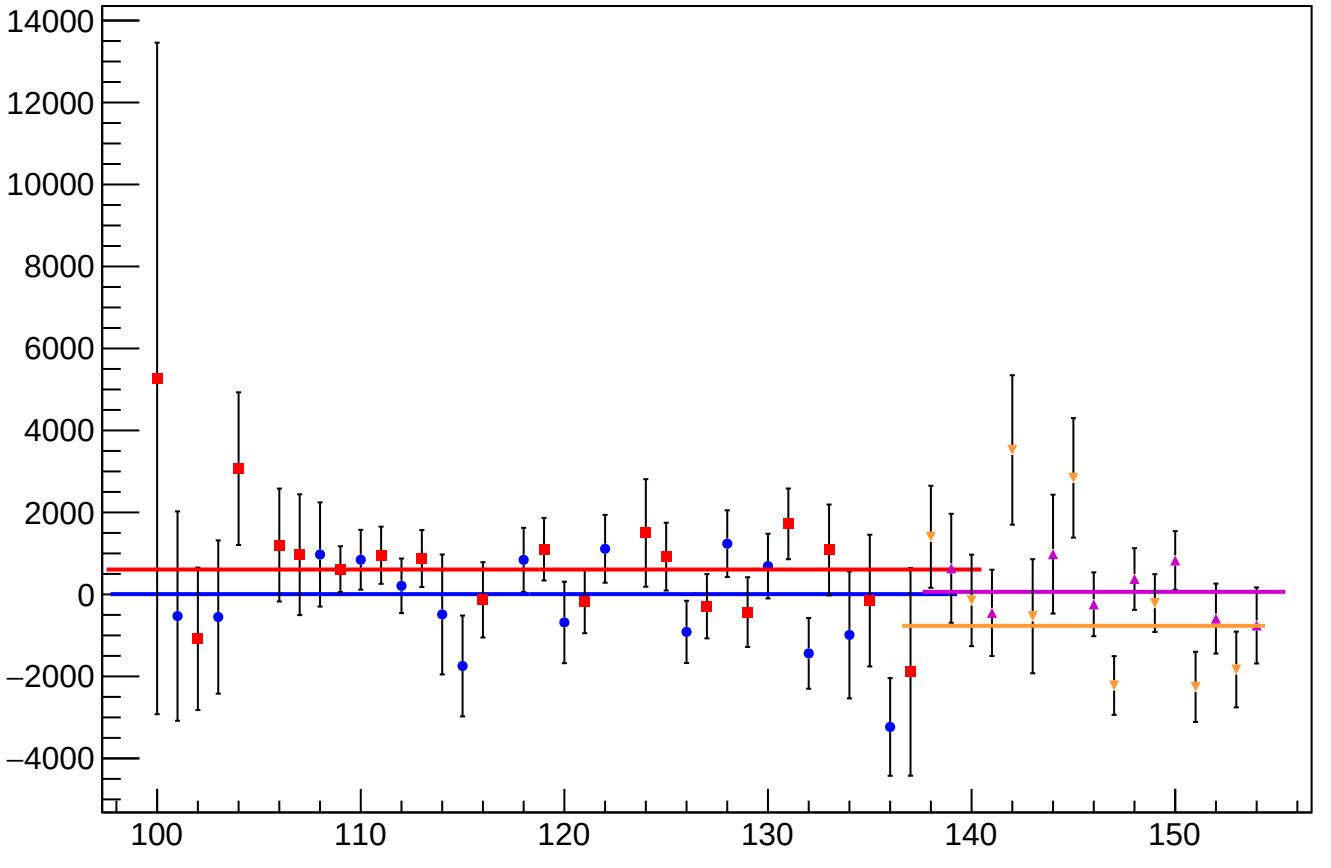
Left: 2721.644+/-0.513 χ^2/NDF: 784.2/16

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2770.433+/-0.526 χ^2/NDF:753554.9/23

Out: 2766.403+/-0.519 χ^2/NDF:208886.7/27

All: 2768.392+/-0.369 χ^2/NDF: 962471.3/51



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: 63.104+/-318.587 χ^2/NDF:3.7/7

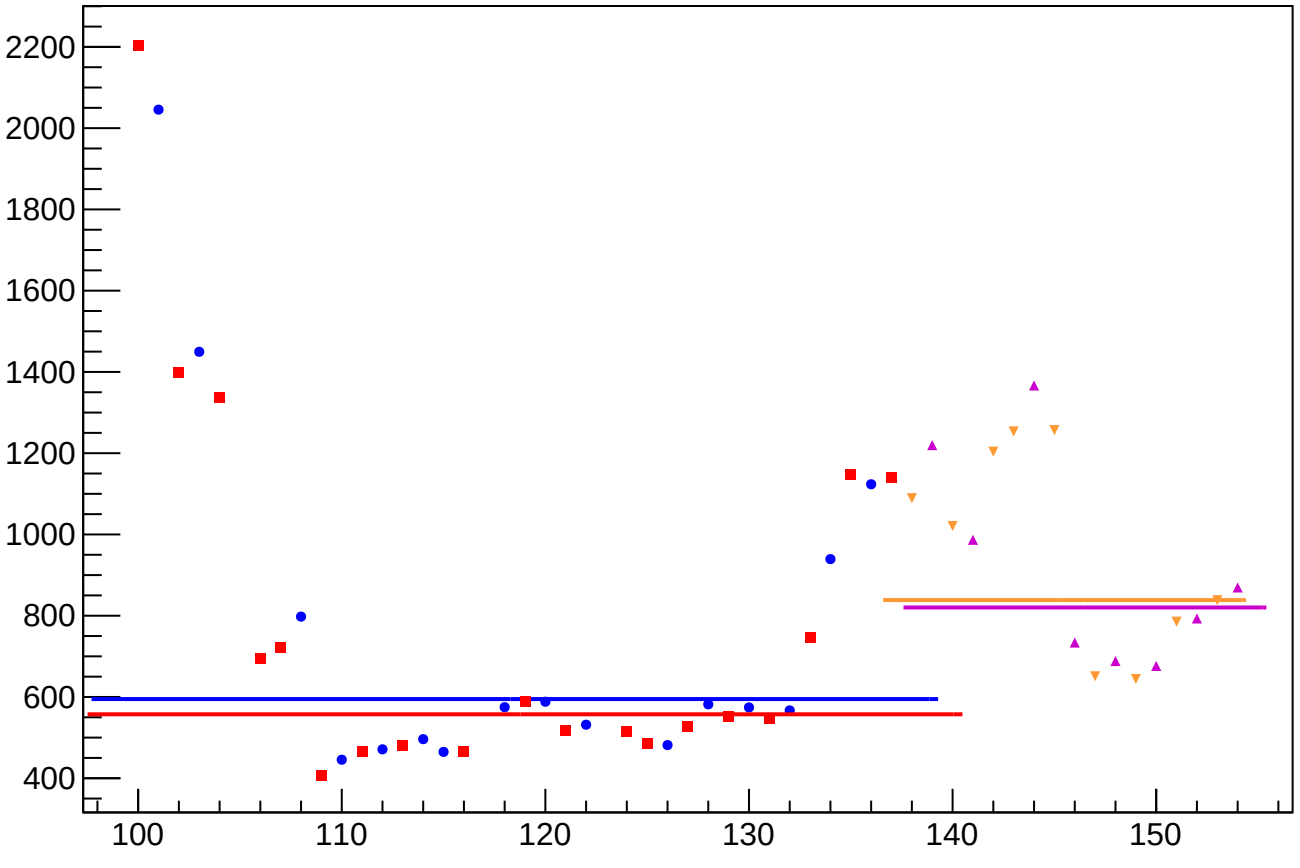
Left: -337.890+/-228.883 χ^2/NDF: 31.1/16

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 27.068+/-190.389 χ^2/NDF:26.5/23

Out: 191.157+/-181.207 χ^2/NDF:48.5/27

All: 113.164+/-131.259 χ^2/NDF: 75.3/51



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: 820.267+/-0.225 χ^2/NDF:689262.6/7

Left: 829.070+/-0.162 χ^2/NDF: 1546730.7/16

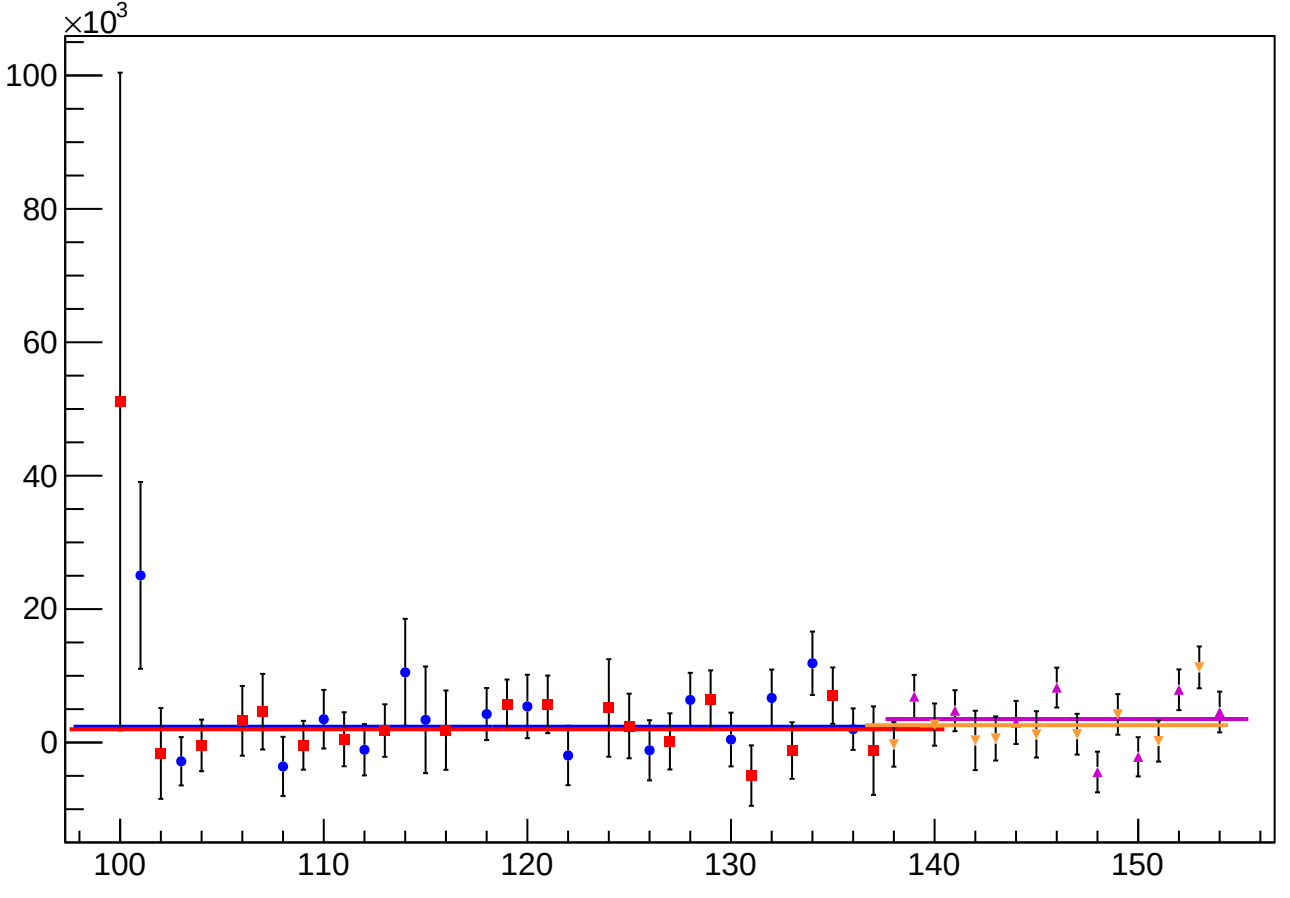
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 675.359+/-0.135 χ^2/NDF:3185544.1/23

Out: 642.638+/-0.128 χ^2/NDF:3502306.6/27

All: 658.190+/-0.093 χ^2/NDF: 6718846.5/51

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: 3522.846+/-1087.217 χ^2/NDF:16.4/7

Left: 3064.118+/-771.119 χ^2/NDF: 27.0/16

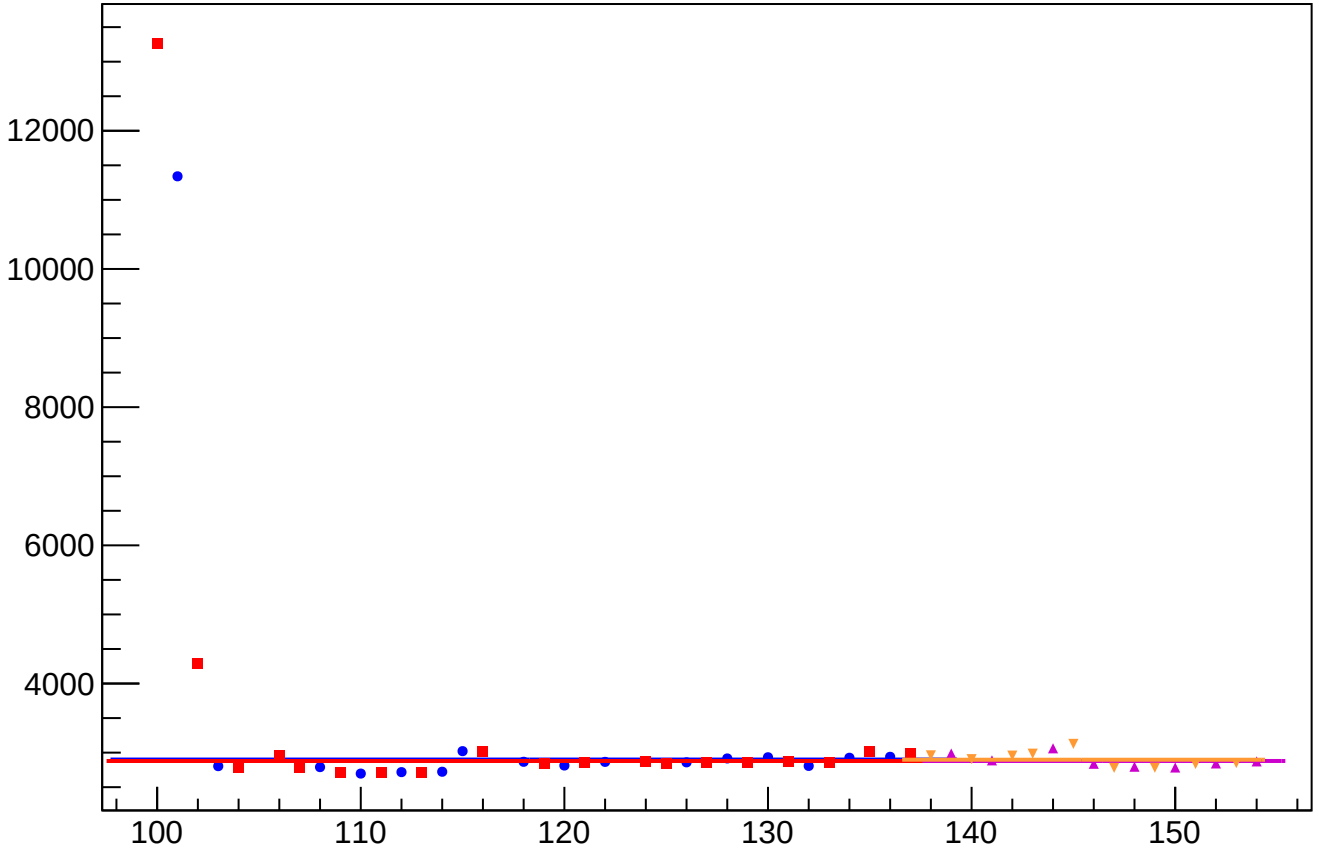
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2955.012+/-775.404 χ^2/NDF:33.8/23

Out: 2288.159+/-766.836 χ^2/NDF:20.7/27

All: 2617.881+/-545.239 χ^2/NDF: 54.9/51

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: 2879.202+/-0.769 χ^2/NDF:12873.4/7

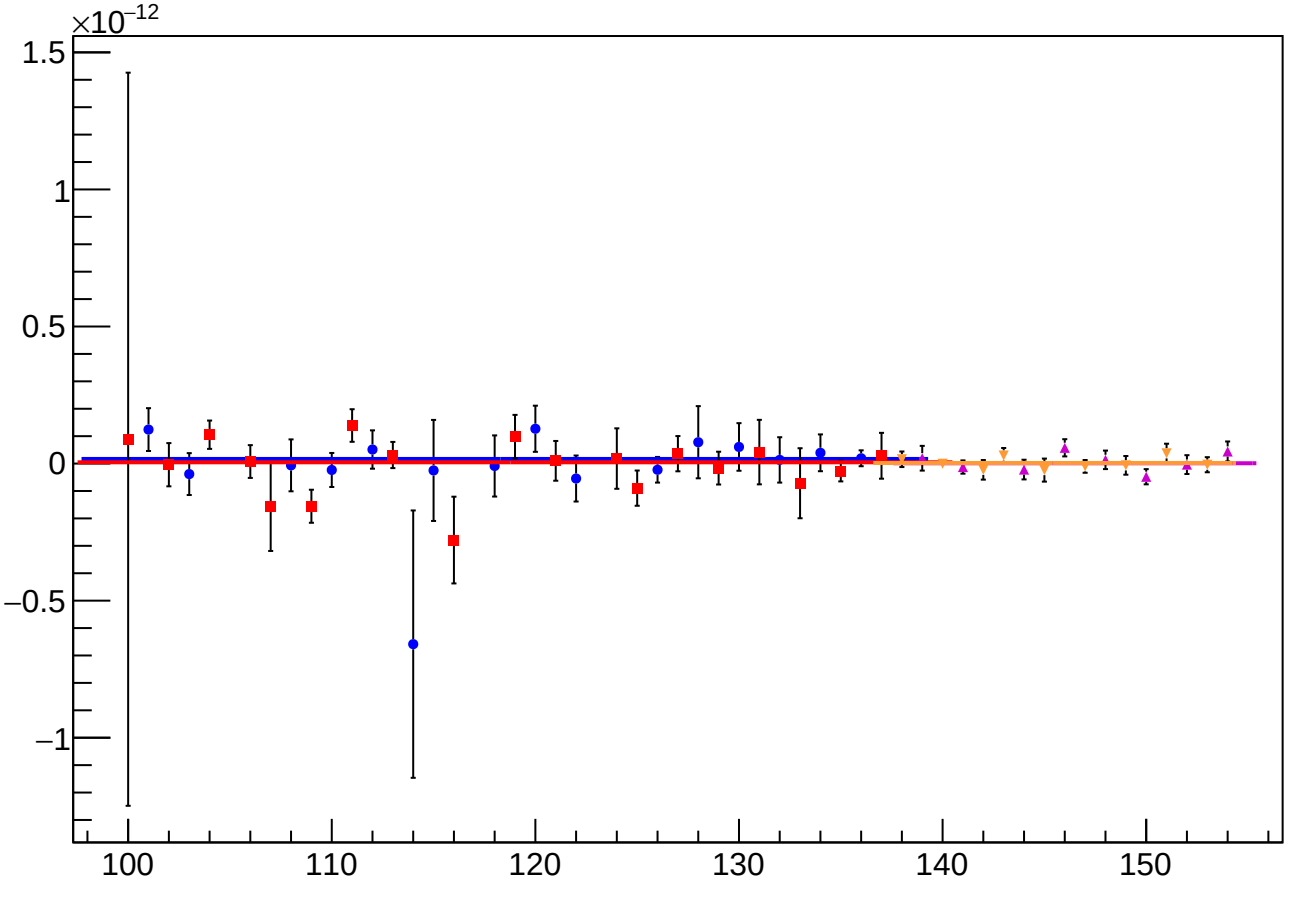
Left: 2888.184+/-0.545 χ^2/NDF: 31467.5/16

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2889.336+/-0.548 χ^2/NDF:755045.2/23

Out: 2887.960+/-0.542 χ^2/NDF:211887.2/27

All: 2888.640+/-0.386 χ^2/NDF: 966935.6/51



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:8.8/7

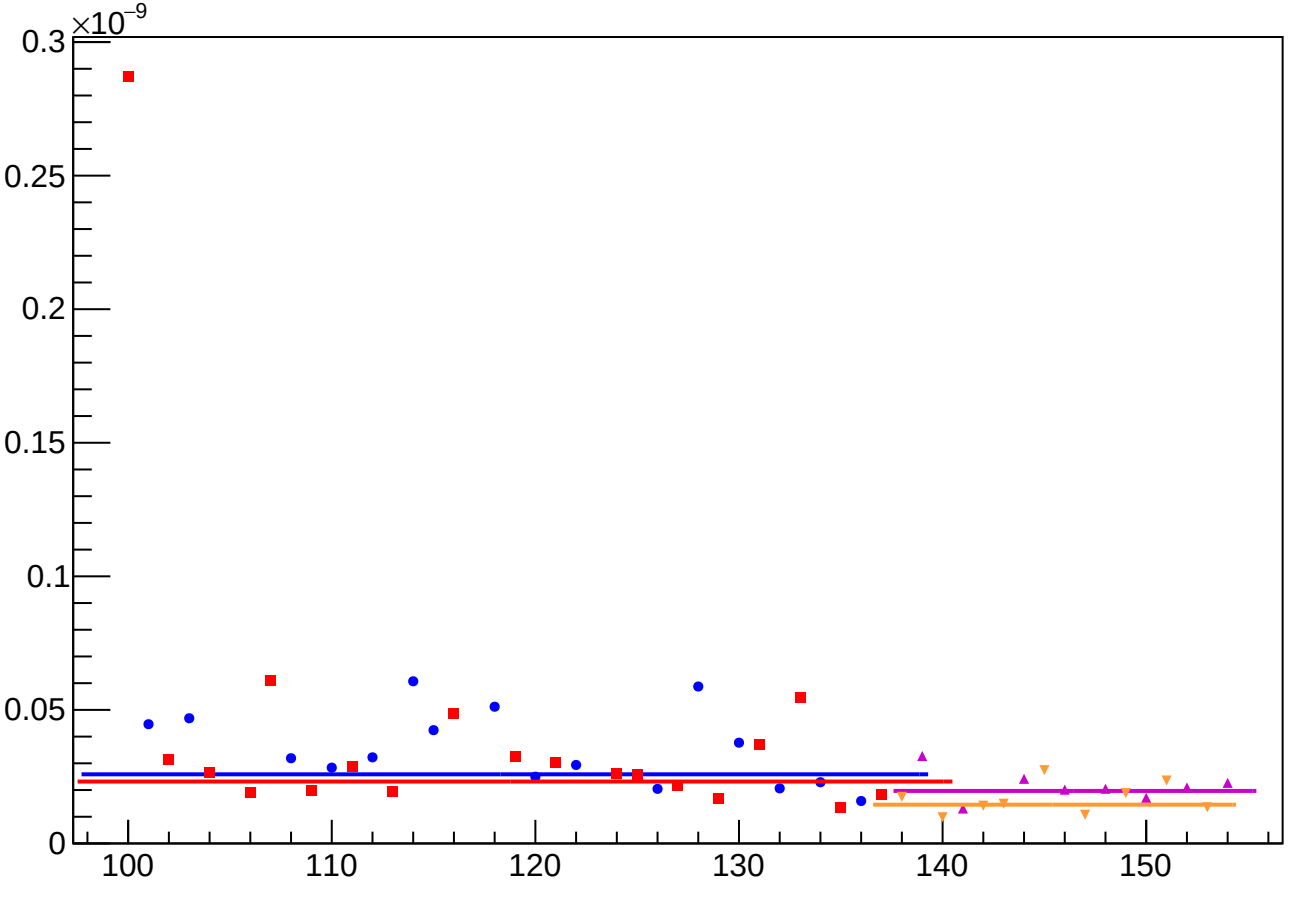
Left: 0.000+/-0.000 χ^2/NDF: 12.3/16

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:18.3/23

Out: 0.000+/-0.000 χ^2/NDF:29.2/27

All: 0.000+/-0.000 χ^2/NDF: 47.6/51



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:382789.5/7

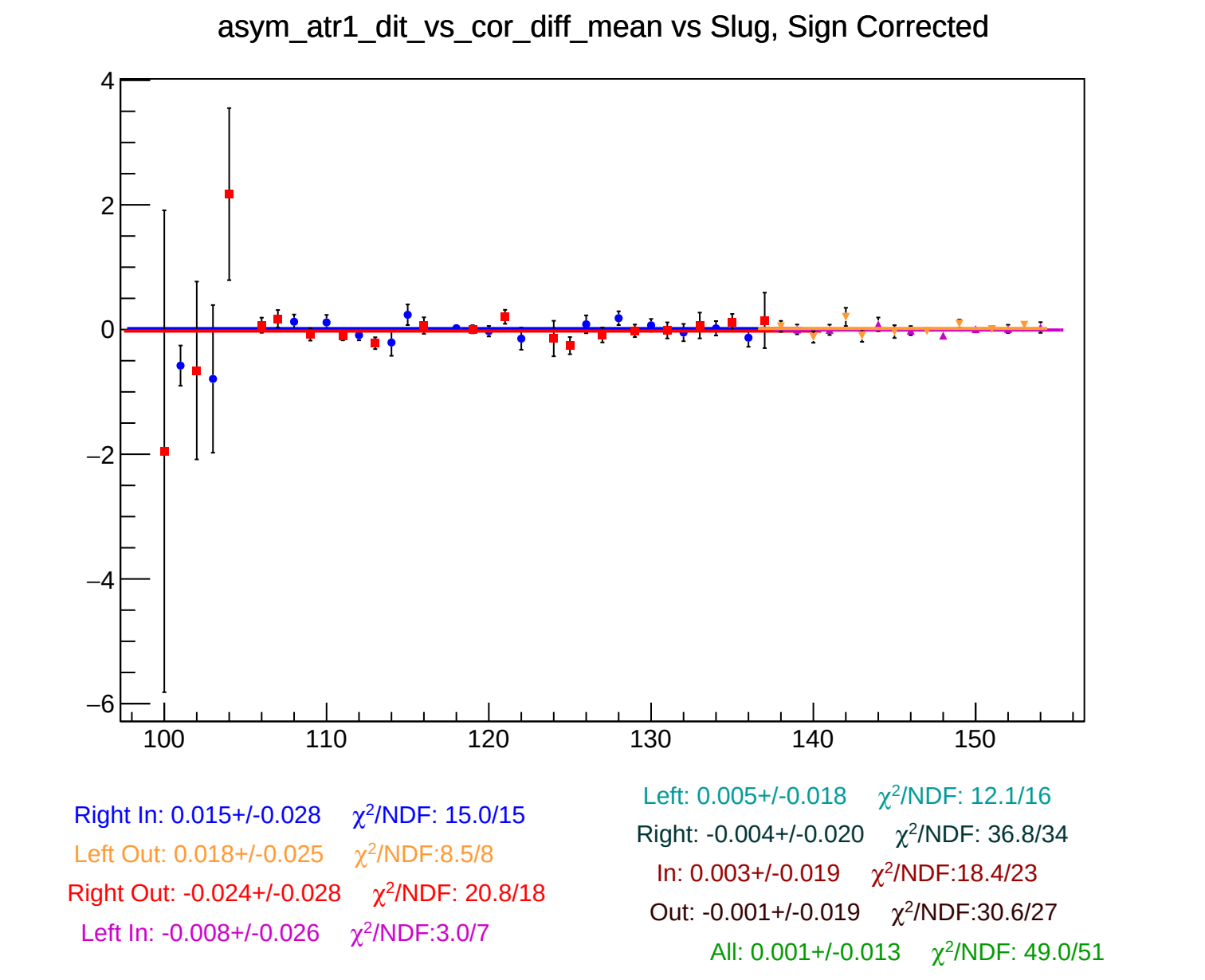
Left: 0.000+/-0.000 χ^2/NDF: 1191640.0/16

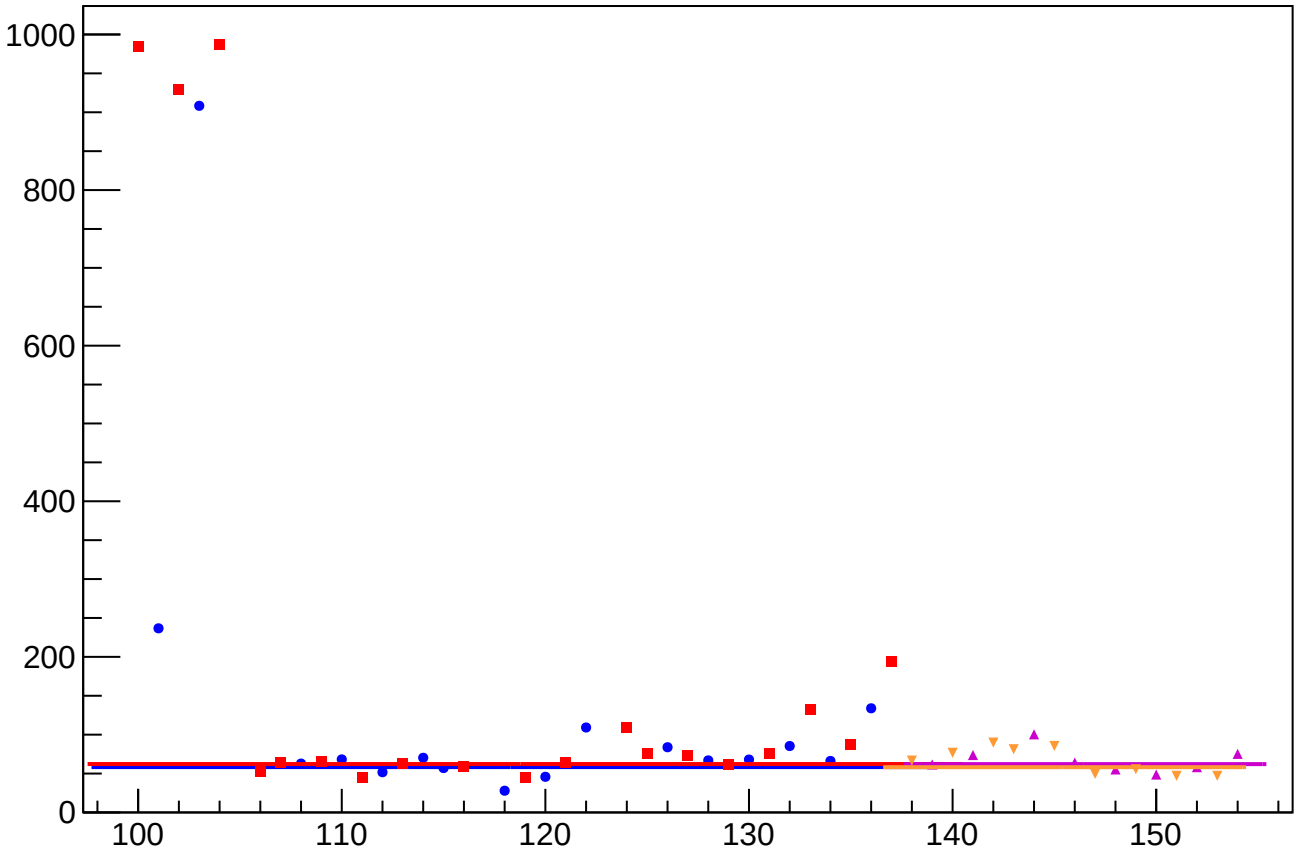
Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1435441.9/23

Out: 0.000+/-0.000 χ^2/NDF:1702742.4/27

All: 0.000+/-0.000 χ^2/NDF: 3448011.4/51


asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.018+/-0.025 χ²/NDF:8.5/8
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: -0.008+/-0.026 χ²/NDF:3.0/7
Left: 0.005+/-0.018 χ²/NDF: 12.1/16
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.003+/-0.019 χ²/NDF:18.4/23
Out: -0.001+/-0.019 χ²/NDF:30.6/27
All: 0.001+/-0.013 χ²/NDF: 49.0/51



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: 62.133+/-0.018 χ^2/NDF:469324.6/7

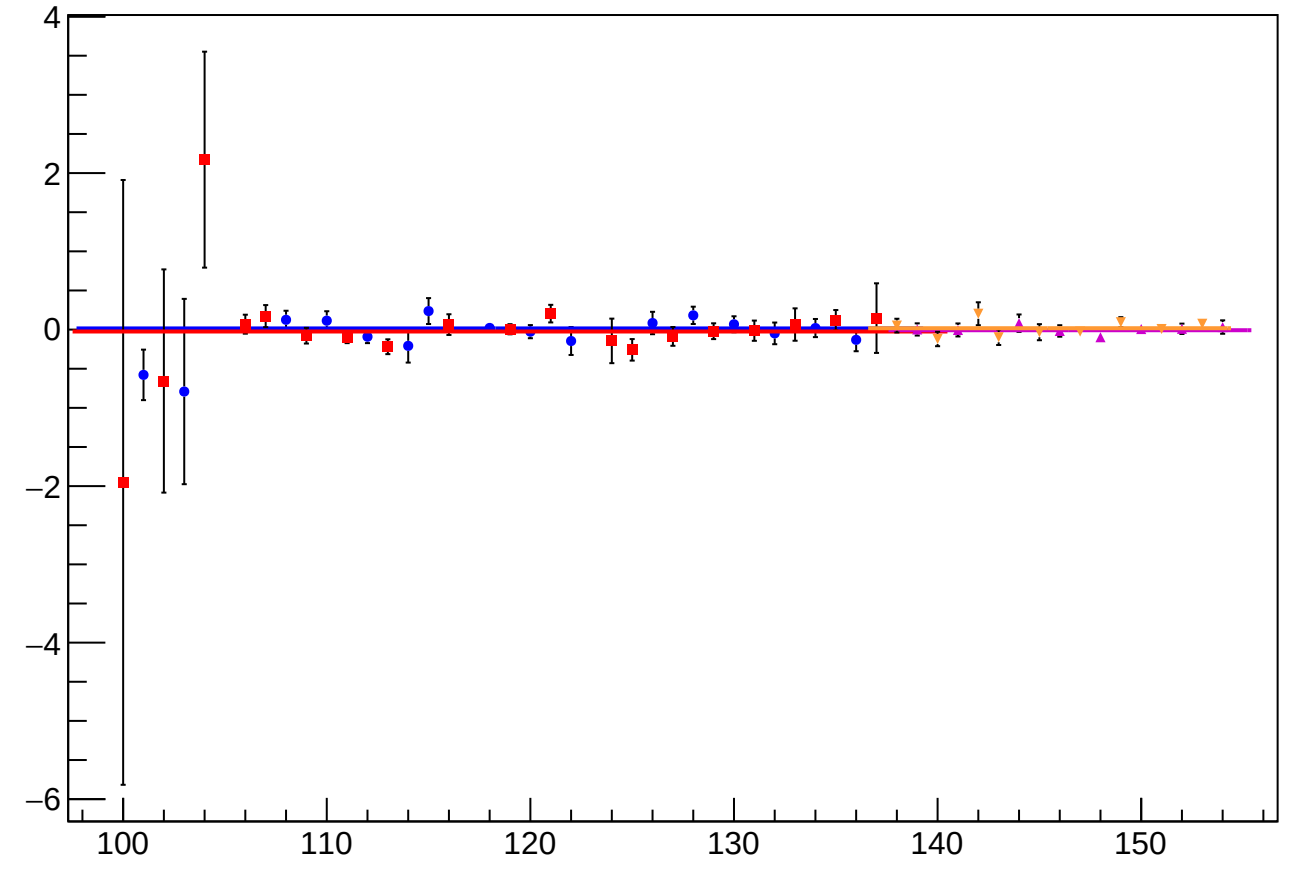
Left: 60.096+/-0.013 χ^2/NDF: 1128324.6/16

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 60.369+/-0.013 χ^2/NDF:3750013.7/23

Out: 59.977+/-0.013 χ^2/NDF:3285110.5/27

All: 60.170+/-0.009 χ^2/NDF: 7035560.1/51



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: -0.008+/-0.026 χ^2/NDF:3.0/7

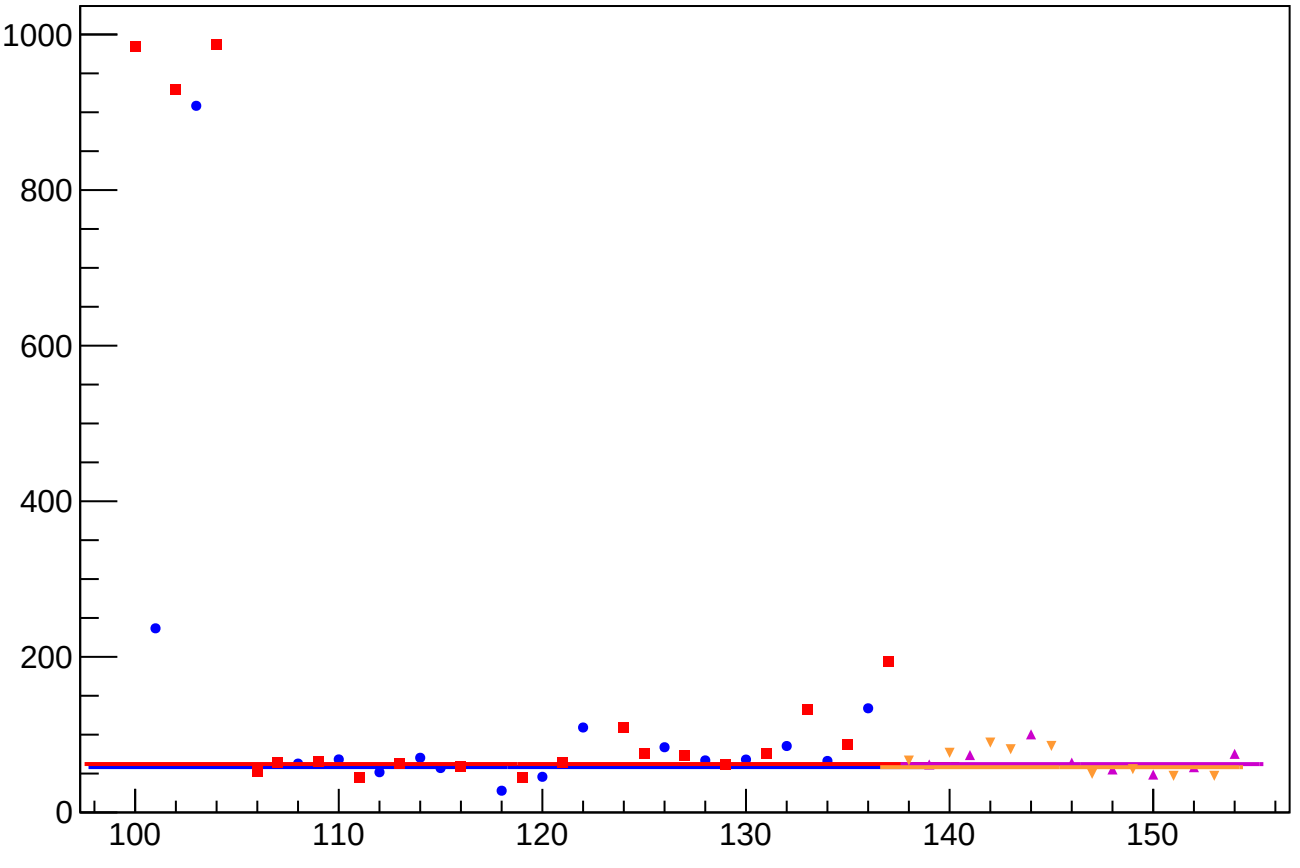
Left: 0.005+/-0.018 χ^2/NDF: 12.1/16

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.003+/-0.019 χ^2/NDF:18.4/23

Out: -0.001+/-0.019 χ^2/NDF:30.6/27

All: 0.001+/-0.013 χ^2/NDF: 49.0/51



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: 62.133+/-0.018 χ^2/NDF:469324.6/7

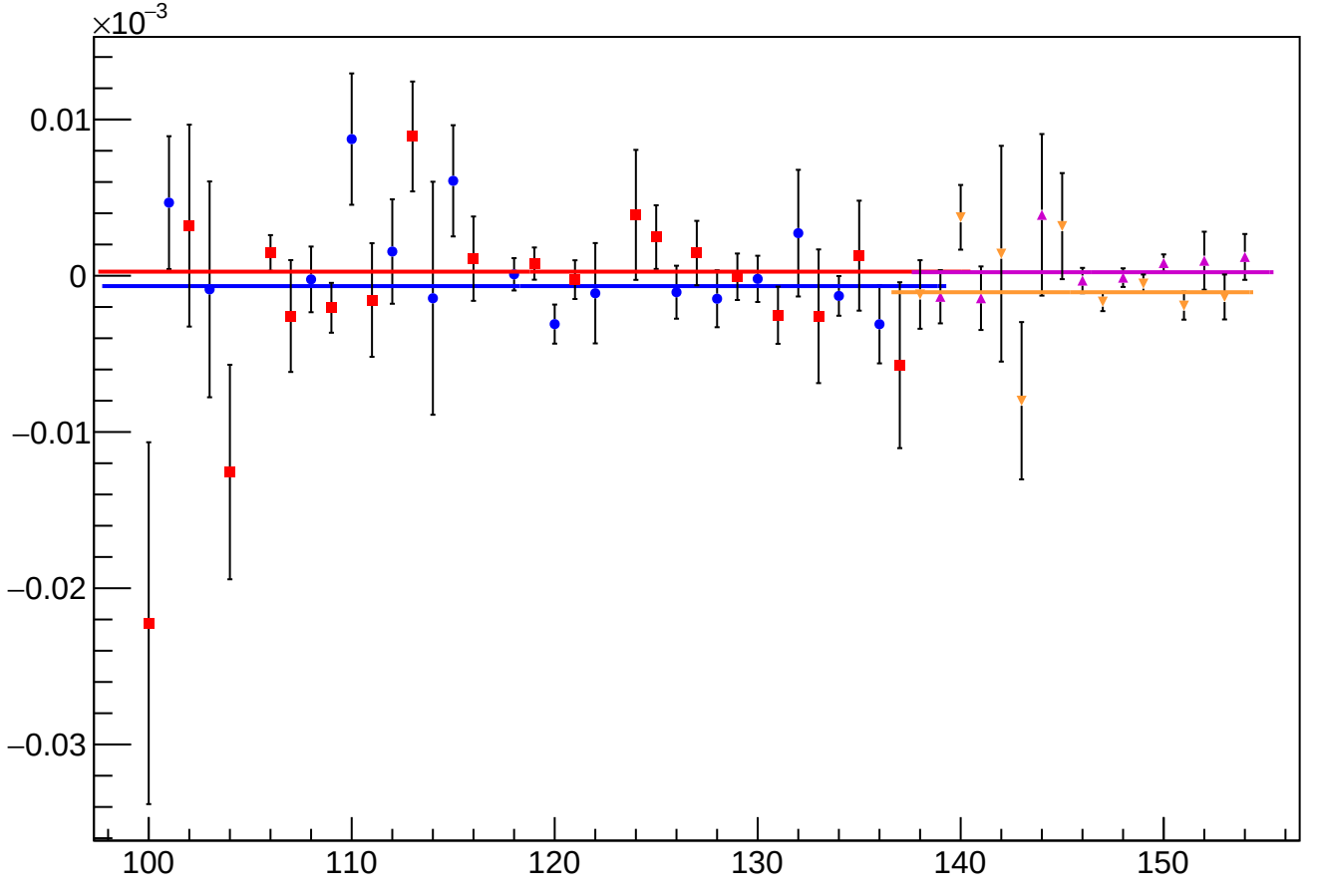
Left: 60.096+/-0.013 χ^2/NDF: 1128324.6/16

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 60.369+/-0.013 χ^2/NDF:3750013.7/23

Out: 59.977+/-0.013 χ^2/NDF:3285110.5/27

All: 60.170+/-0.009 χ^2/NDF: 7035560.1/51



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:4.5/7

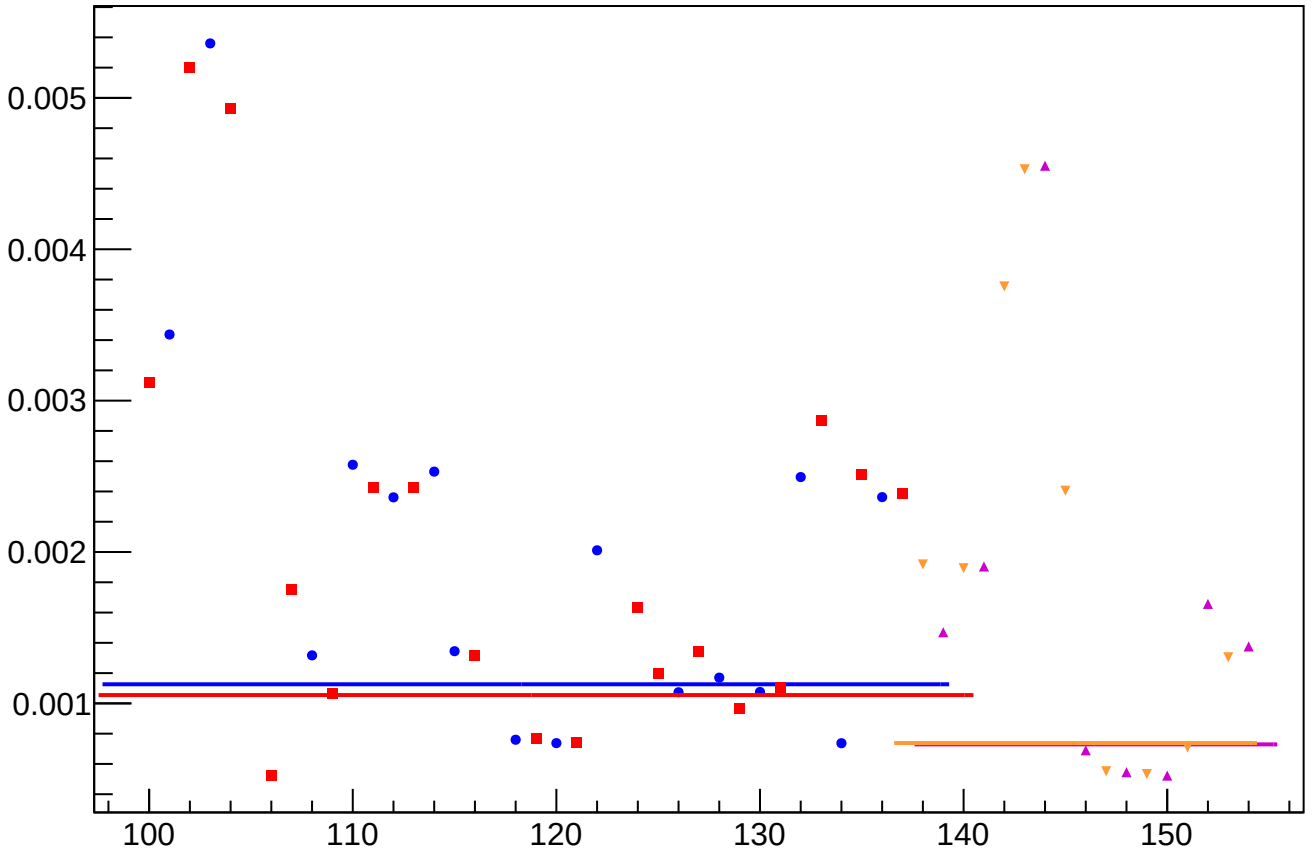
Left: -0.000+/-0.000 χ^2/NDF: 23.3/16

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:24.0/23

Out: -0.000+/-0.000 χ^2/NDF:41.4/27

All: -0.000+/-0.000 χ^2/NDF: 67.2/51



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:3502187.3/7

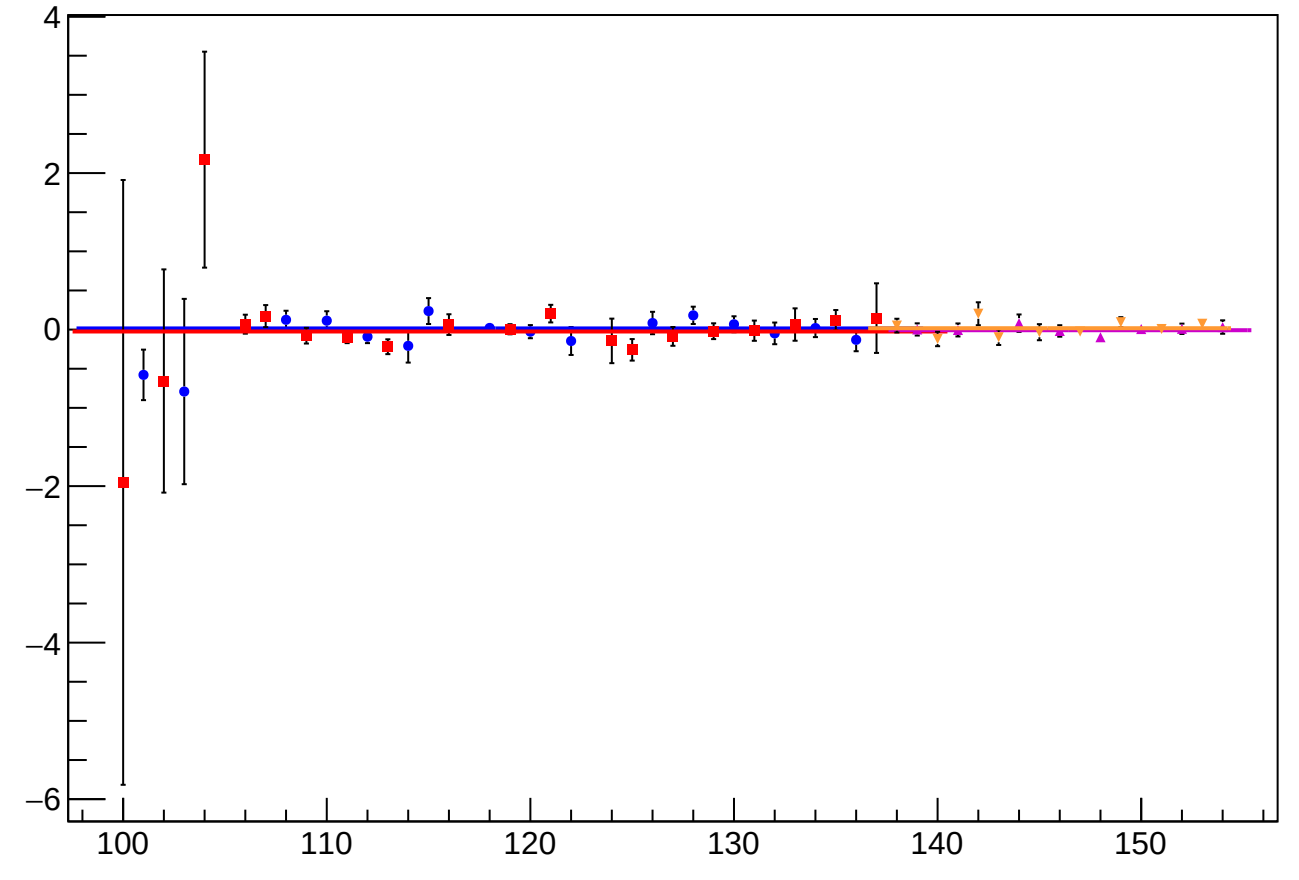
Left: 0.001+/-0.000 χ^2/NDF: 7449172.1/16

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:7853086.5/23

Out: 0.001+/-0.000 χ^2/NDF:8383193.9/27

All: 0.001+/-0.000 χ^2/NDF: 16236281.1/51



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: -0.008+/-0.026 χ^2/NDF:3.0/7

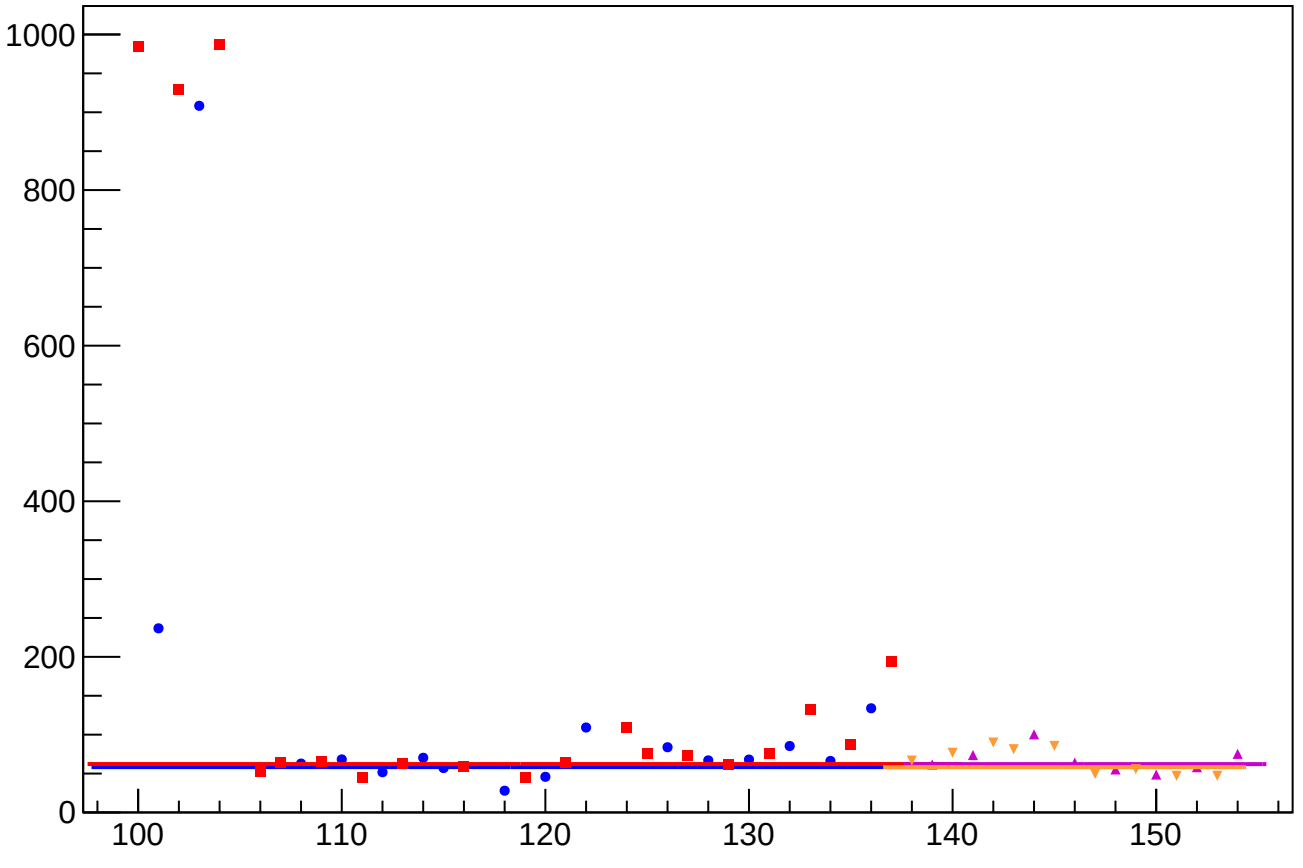
Left: 0.005+/-0.018 χ^2/NDF: 12.1/16

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.003+/-0.019 χ^2/NDF:18.4/23

Out: -0.001+/-0.019 χ^2/NDF:30.6/27

All: 0.001+/-0.013 χ^2/NDF: 49.0/51



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: 62.133+/-0.018 χ^2/NDF:469341.5/7

Left: 60.096+/-0.013 χ^2/NDF: 1128340.1/16

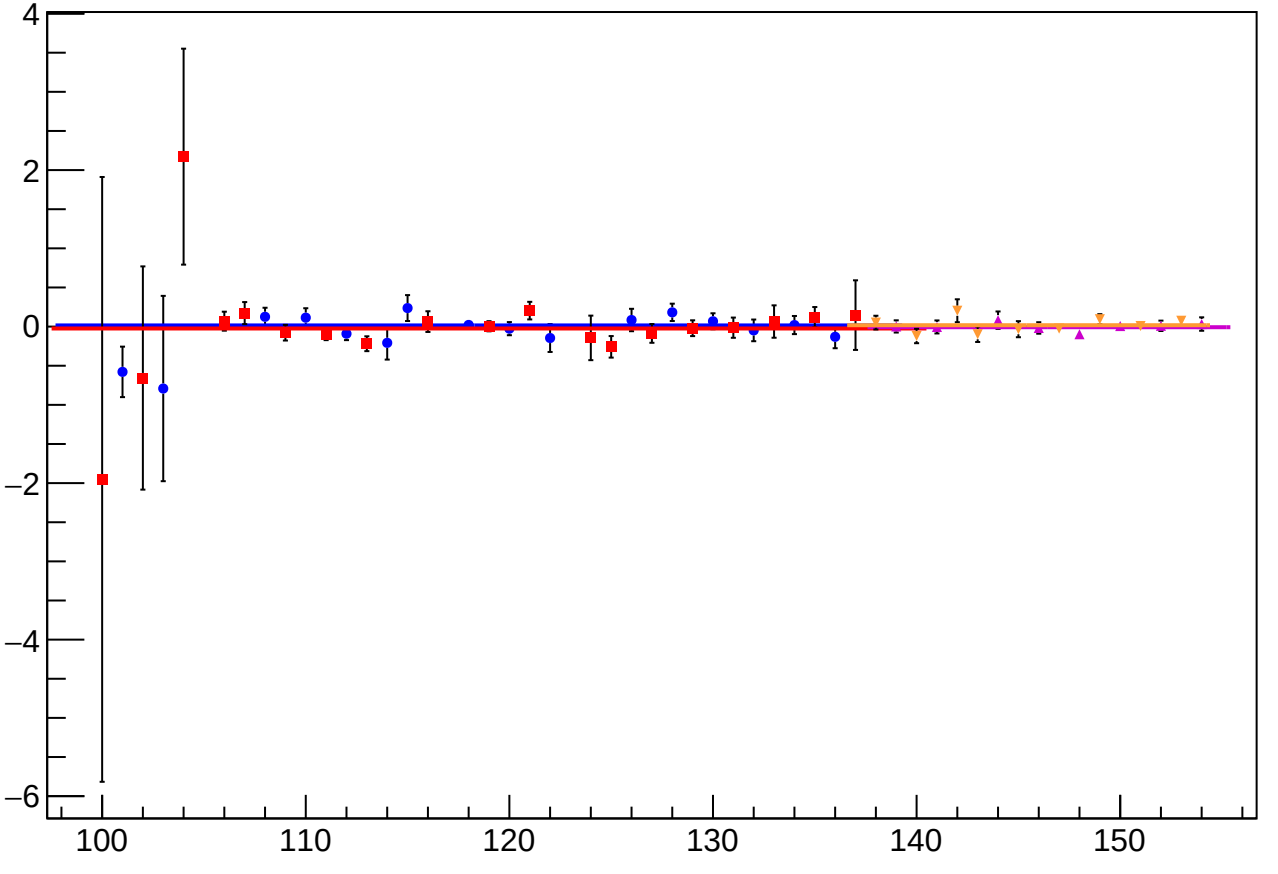
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 60.369+/-0.013 χ^2/NDF:3750121.5/23

Out: 59.977+/-0.013 χ^2/NDF:3285096.9/27

All: 60.170+/-0.009 χ^2/NDF: 7035654.1/51

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: -0.008+/-0.026 χ^2/NDF:3.0/7

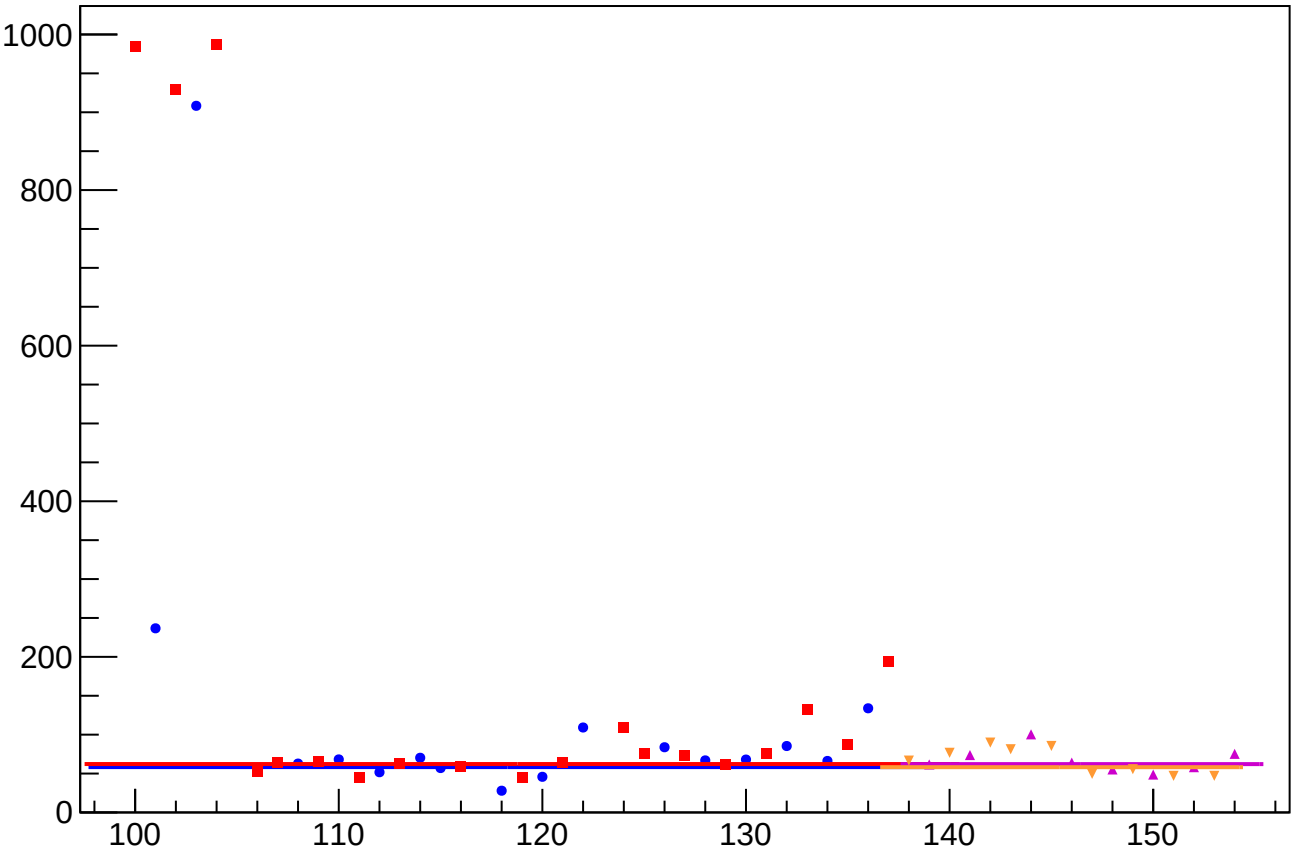
Left: 0.005+/-0.018 χ^2/NDF: 12.1/16

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.003+/-0.019 χ^2/NDF:18.4/23

Out: -0.001+/-0.019 χ^2/NDF:30.6/27

All: 0.001+/-0.013 χ^2/NDF: 49.0/51



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: 62.133+/-0.018 χ^2/NDF:469341.5/7

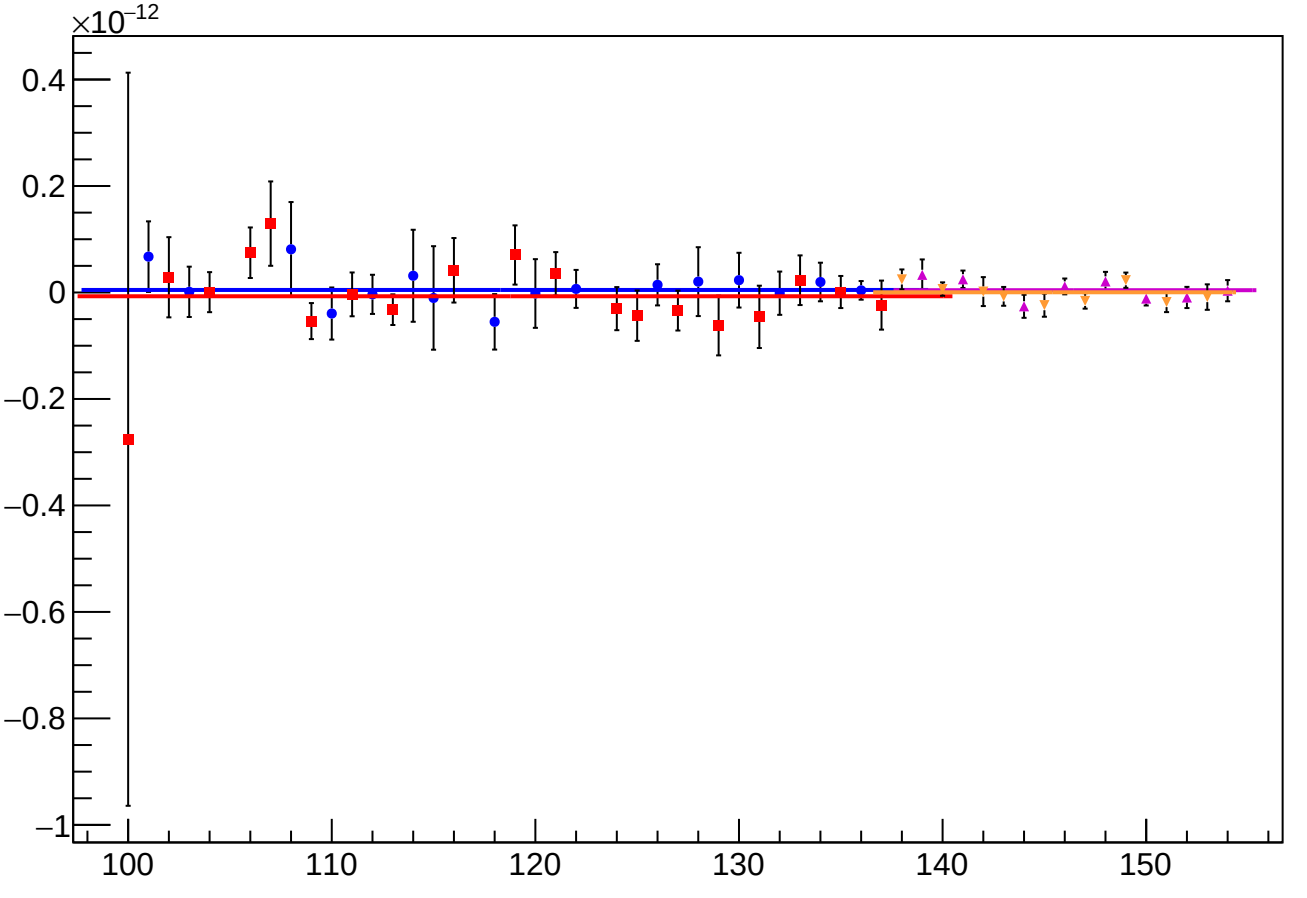
Left: 60.096+/-0.013 χ^2/NDF: 1128340.1/16

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 60.369+/-0.013 χ^2/NDF:3750121.5/23

Out: 59.977+/-0.013 χ^2/NDF:3285096.9/27

All: 60.170+/-0.009 χ^2/NDF: 7035654.1/51



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:7.5/7

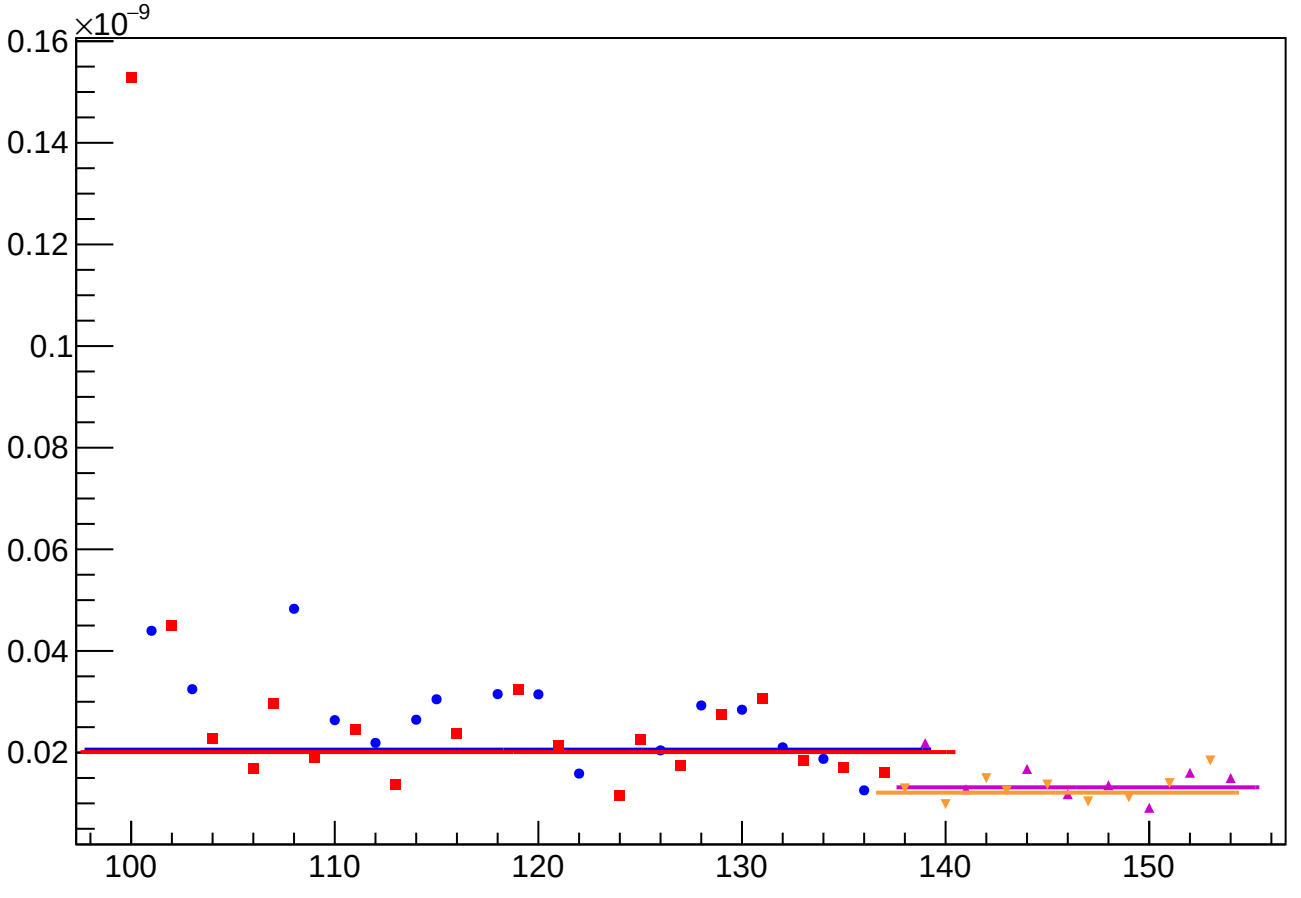
Left: 0.000+/-0.000 χ^2/NDF: 15.9/16

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:12.0/23

Out: -0.000+/-0.000 χ^2/NDF:24.7/27

All: 0.000+/-0.000 χ^2/NDF: 37.3/51



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:506863.2/7

Left: 0.000+/-0.000 χ^2/NDF: 835260.6/16

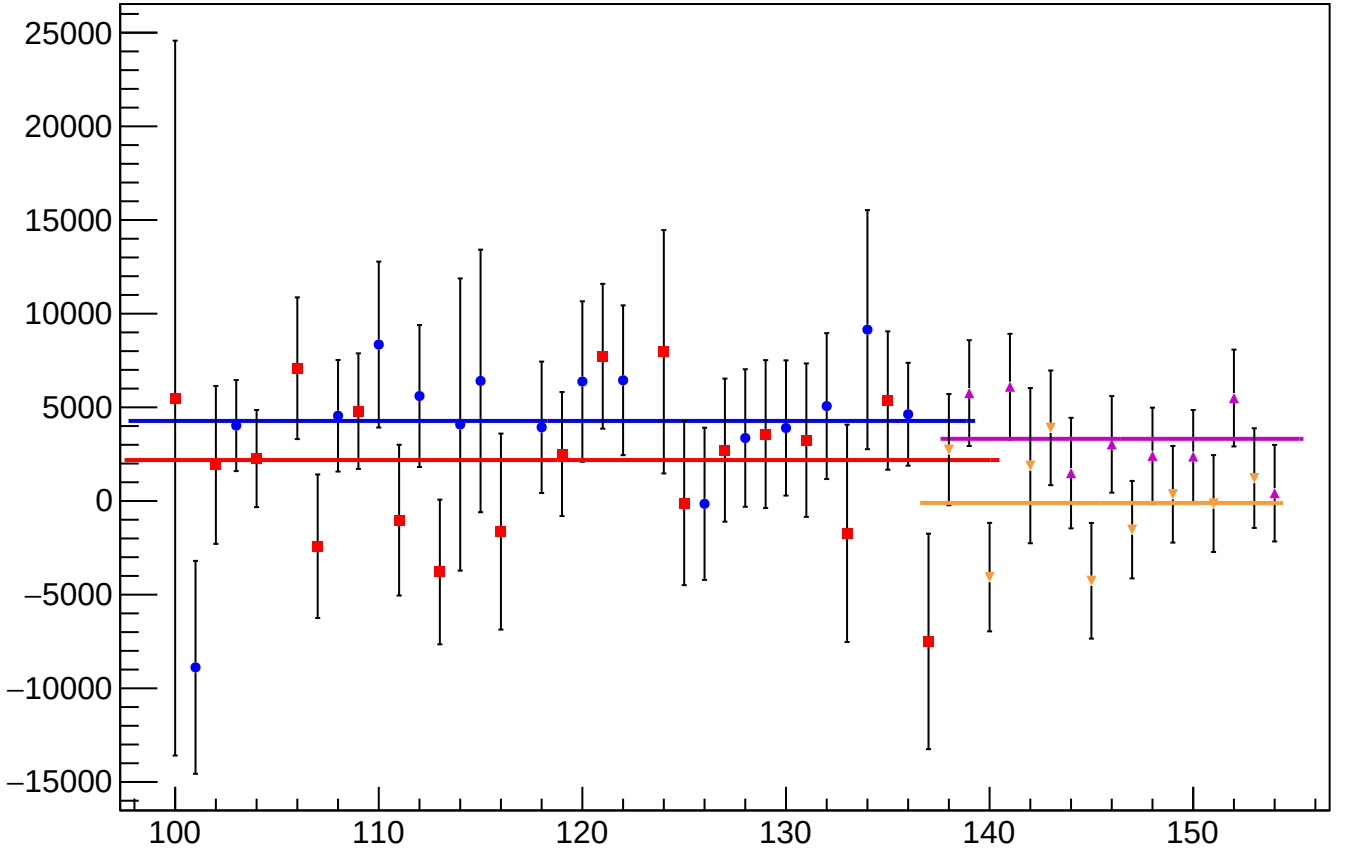
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:2590994.1/23

Out: 0.000+/-0.000 χ^2/NDF:2049762.2/27

All: 0.000+/-0.000 χ^2/NDF: 4685028.1/51

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: 3319.261+/-941.055 χ^2/NDF:4.4/7

Left: 1637.031+/-671.080 χ^2/NDF: 18.0/16

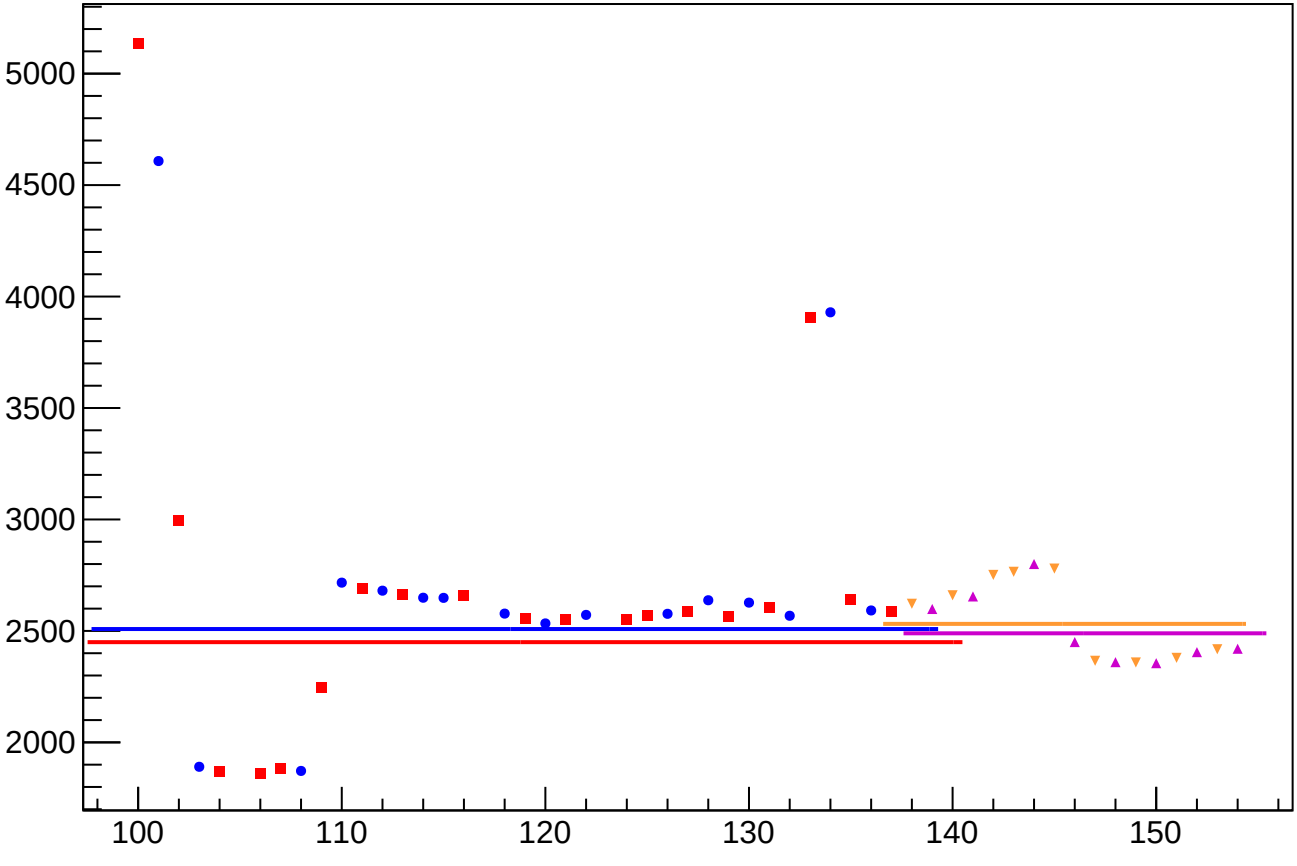
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3791.327+/-669.247 χ^2/NDF:13.8/23

Out: 1084.139+/-664.105 χ^2/NDF:24.9/27

All: 2427.293+/-471.401 χ^2/NDF: 46.9/51

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: 2489.266+/-0.665 χ^2/NDF:46954.4/7

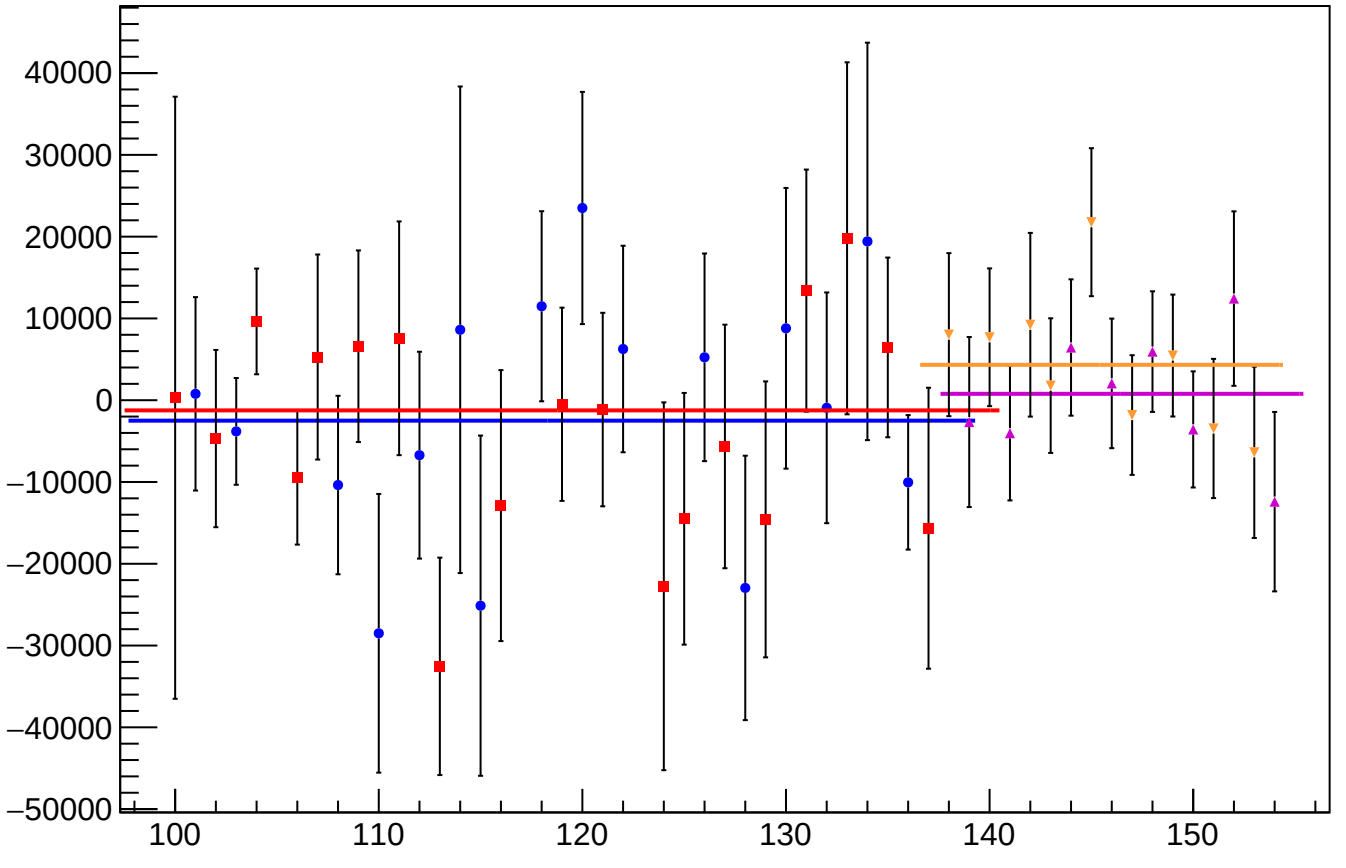
Left: 2510.066+/-0.475 χ^2/NDF: 112611.5/16

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2498.756+/-0.473 χ^2/NDF:658955.5/23

Out: 2489.073+/-0.470 χ^2/NDF:508176.1/27

All: 2493.877+/-0.333 χ^2/NDF: 1167342.5/51



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: 781.099+/-3019.155 χ^2/NDF:4.4/7

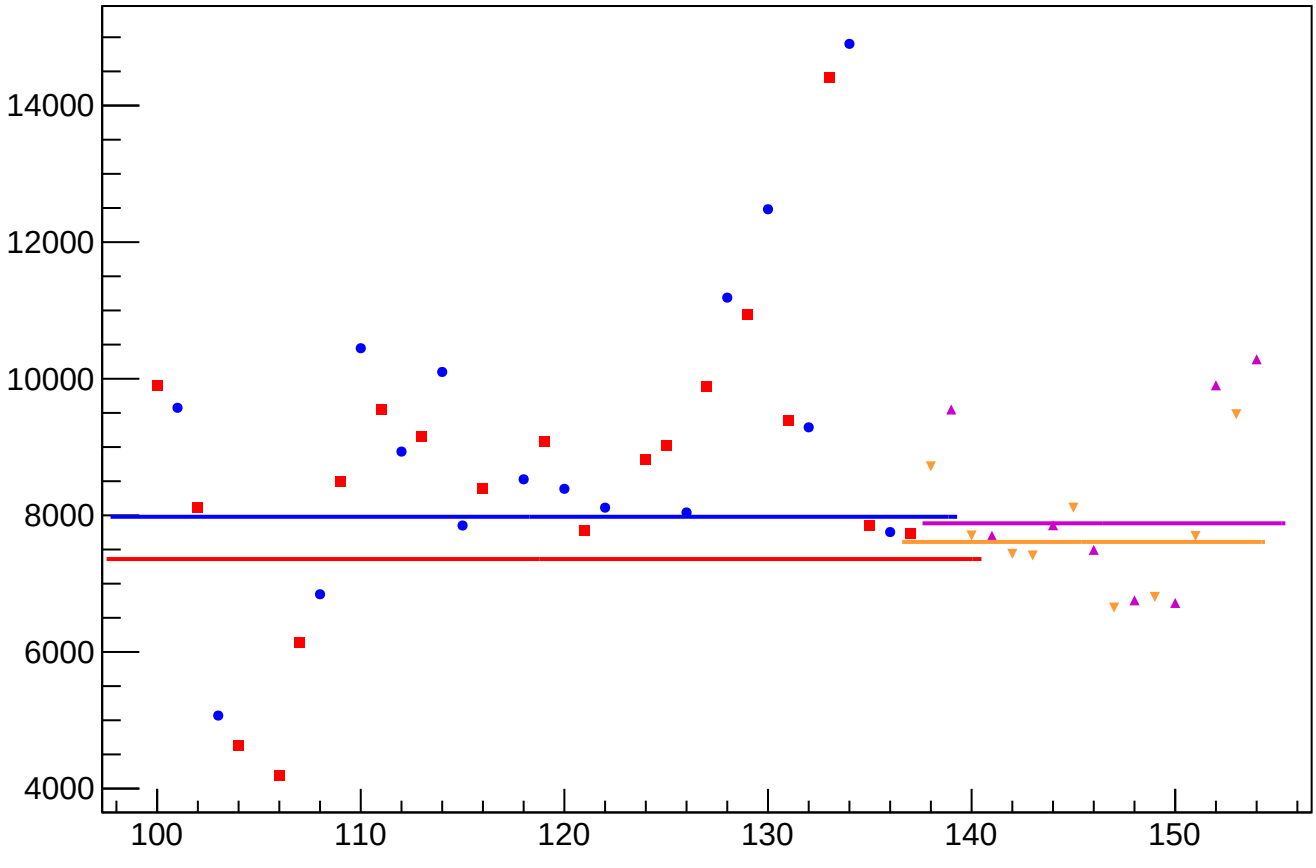
Left: 2622.764+/-2092.639 χ^2/NDF: 12.1/16

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -829.372+/-2154.537 χ^2/NDF:18.8/23

Out: 1491.864+/-2034.774 χ^2/NDF:25.4/27

All: 397.551+/-1479.330 χ^2/NDF: 44.8/51



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: 7883.531+/-2.135 χ^2/NDF:325429.9/7

Left: 7742.104+/-1.480 χ^2/NDF: 488242.8/16

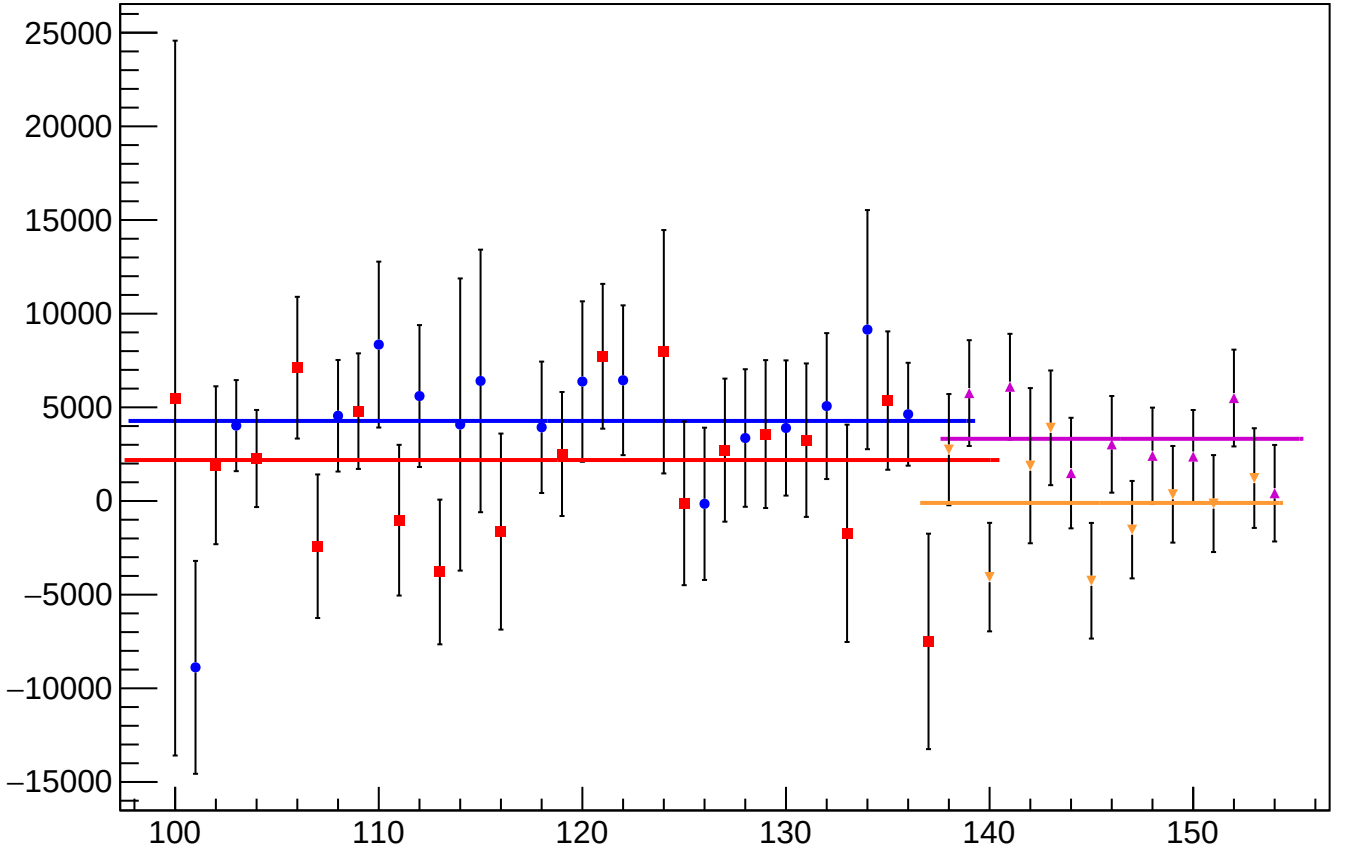
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 7930.621+/-1.523 χ^2/NDF:1249505.2/23

Out: 7483.846+/-1.439 χ^2/NDF:1447956.6/27

All: 7694.471+/-1.046 χ^2/NDF: 2742918.6/51

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: 3319.368+/-941.055 χ^2/NDF:4.4/7

Left: 1637.010+/-671.080 χ^2/NDF: 18.0/16

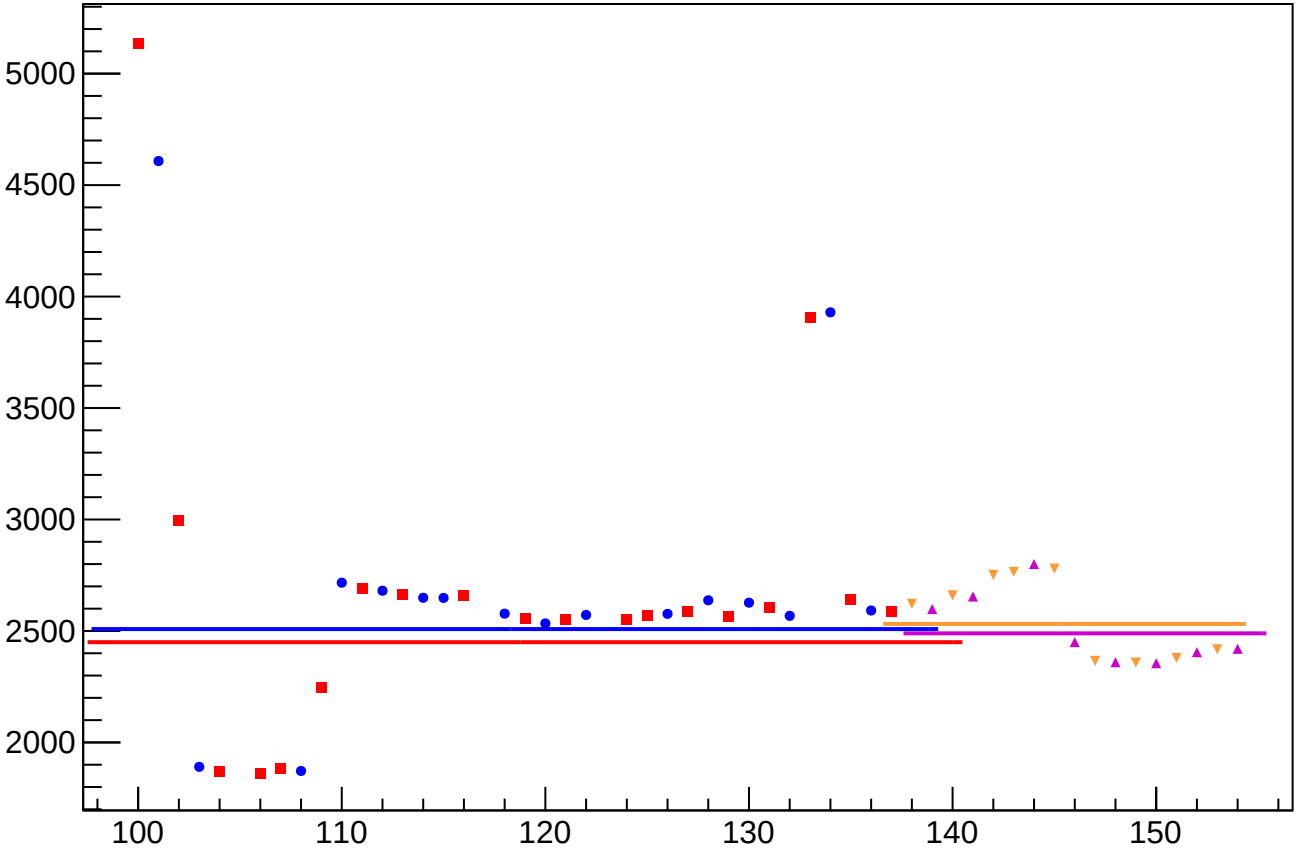
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3791.139+/-669.247 χ^2/NDF:13.8/23

Out: 1084.380+/-664.108 χ^2/NDF:24.9/27

All: 2427.326+/-471.402 χ^2/NDF: 46.9/51

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: 2489.266+/-0.665 χ^2/NDF:46954.4/7

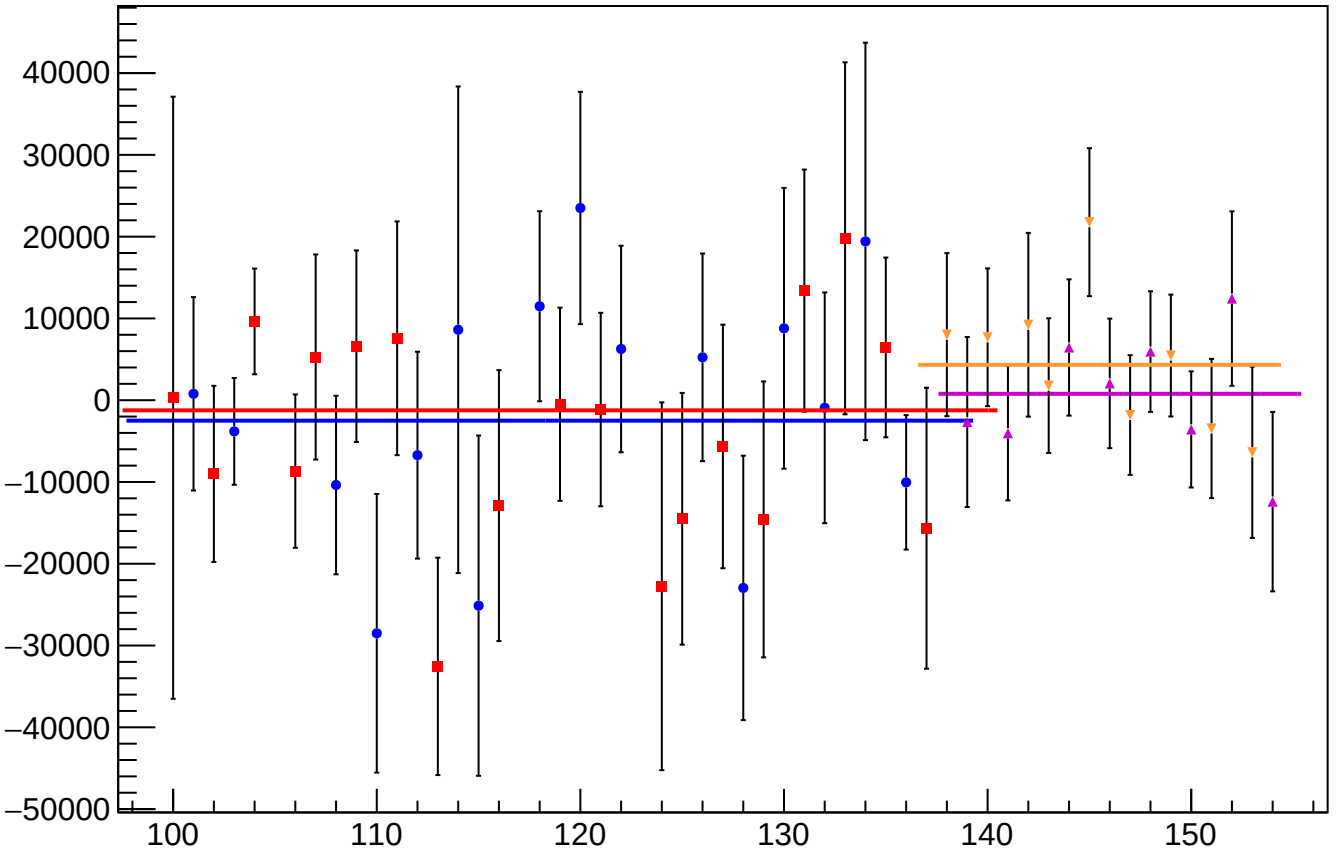
Left: 2510.066+/-0.475 χ^2/NDF: 112611.5/16

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2498.756+/-0.473 χ^2/NDF:658953.3/23

Out: 2489.086+/-0.470 χ^2/NDF:508117.1/27

All: 2493.884+/-0.333 χ^2/NDF: 1167280.8/51



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: 781.264+/-3019.155 χ^2/NDF:4.4/7

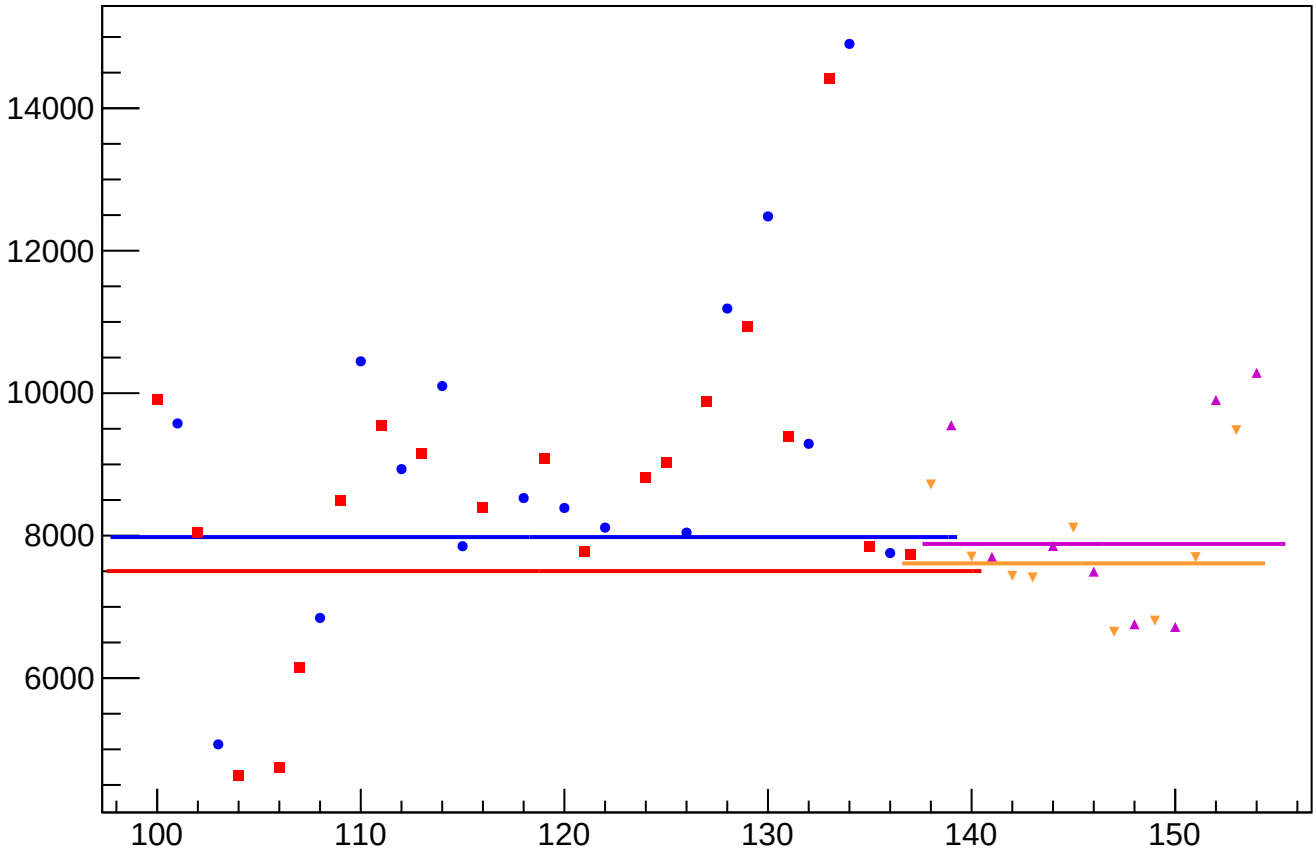
Left: 2622.822+/-2092.637 χ^2/NDF: 12.1/16

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -829.132+/-2154.567 χ^2/NDF:18.8/23

Out: 1533.553+/-2049.396 χ^2/NDF:25.4/27

All: 411.282+/-1484.930 χ^2/NDF: 44.8/51



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: 7883.528+/-2.135 χ^2/NDF:325431.0/7

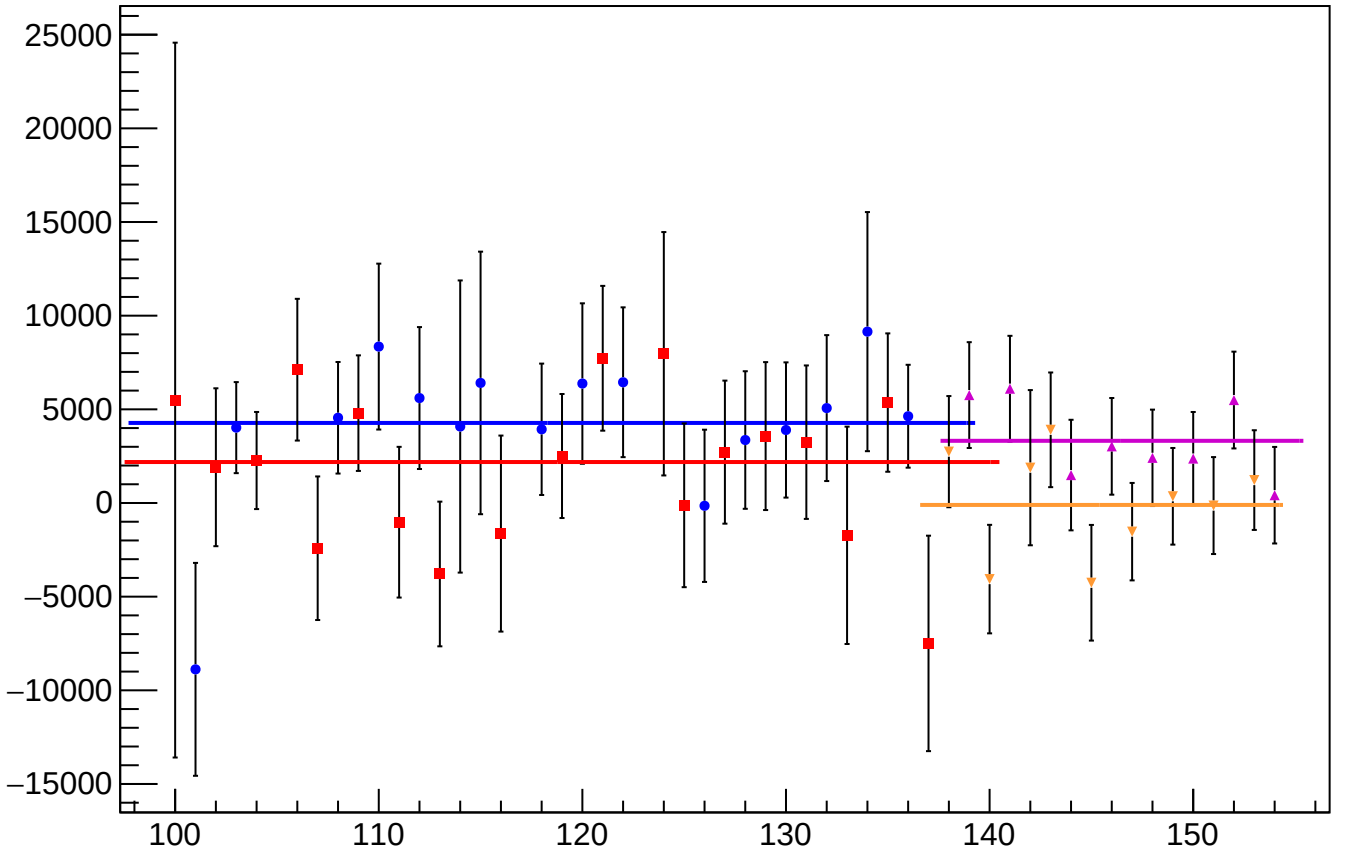
Left: 7742.094+/-1.480 χ^2/NDF: 488248.3/16

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7930.777+/-1.524 χ^2/NDF:1249214.5/23

Out: 7556.822+/-1.449 χ^2/NDF:1291298.7/27

All: 7734.450+/-1.050 χ^2/NDF: 2572143.9/51



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: 3319.368+/-941.055 χ^2/NDF:4.4/7

Left: 1637.010+/-671.080 χ^2/NDF: 18.0/16

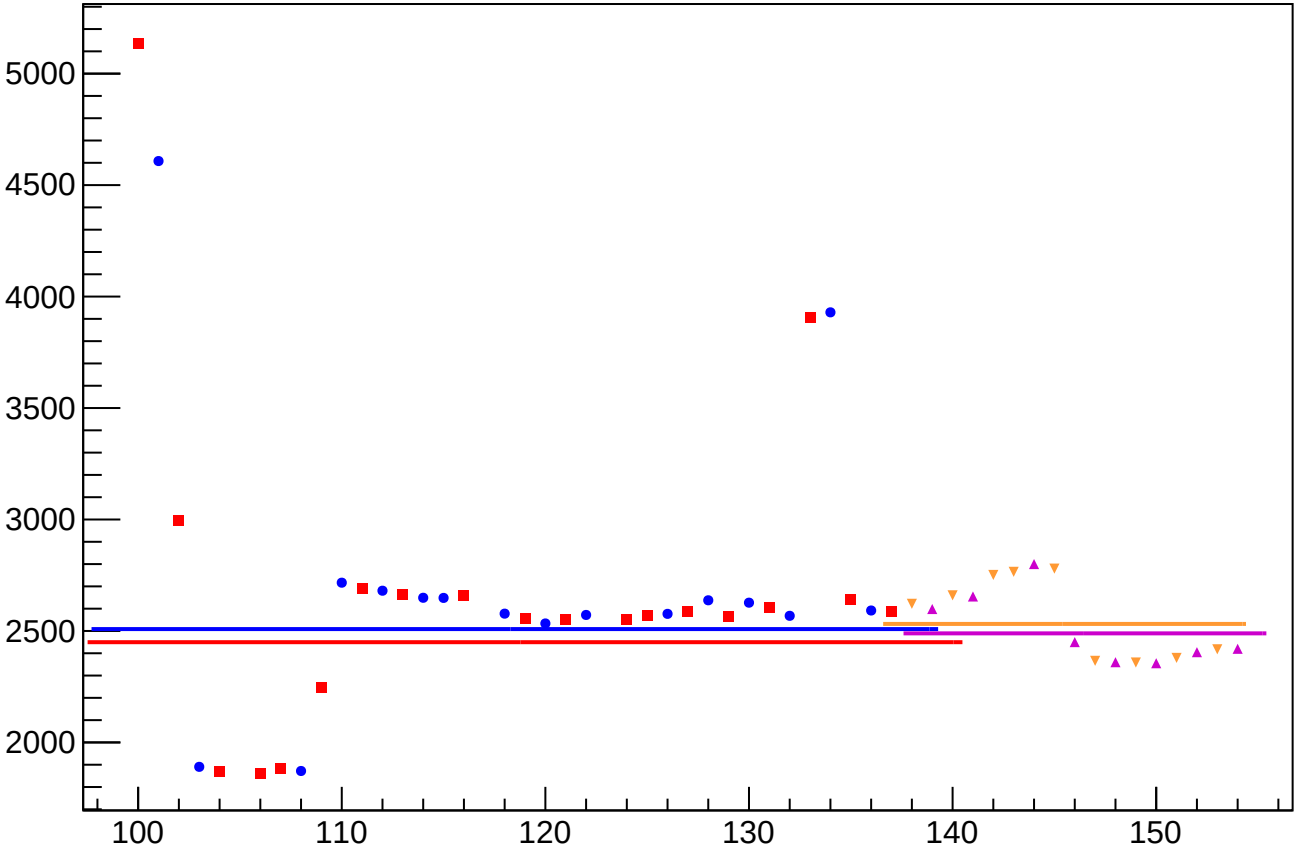
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3791.139+/-669.247 χ^2/NDF:13.8/23

Out: 1084.380+/-664.108 χ^2/NDF:24.9/27

All: 2427.326+/-471.402 χ^2/NDF: 46.9/51

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: 2489.266+/-0.665 χ^2/NDF:46954.4/7

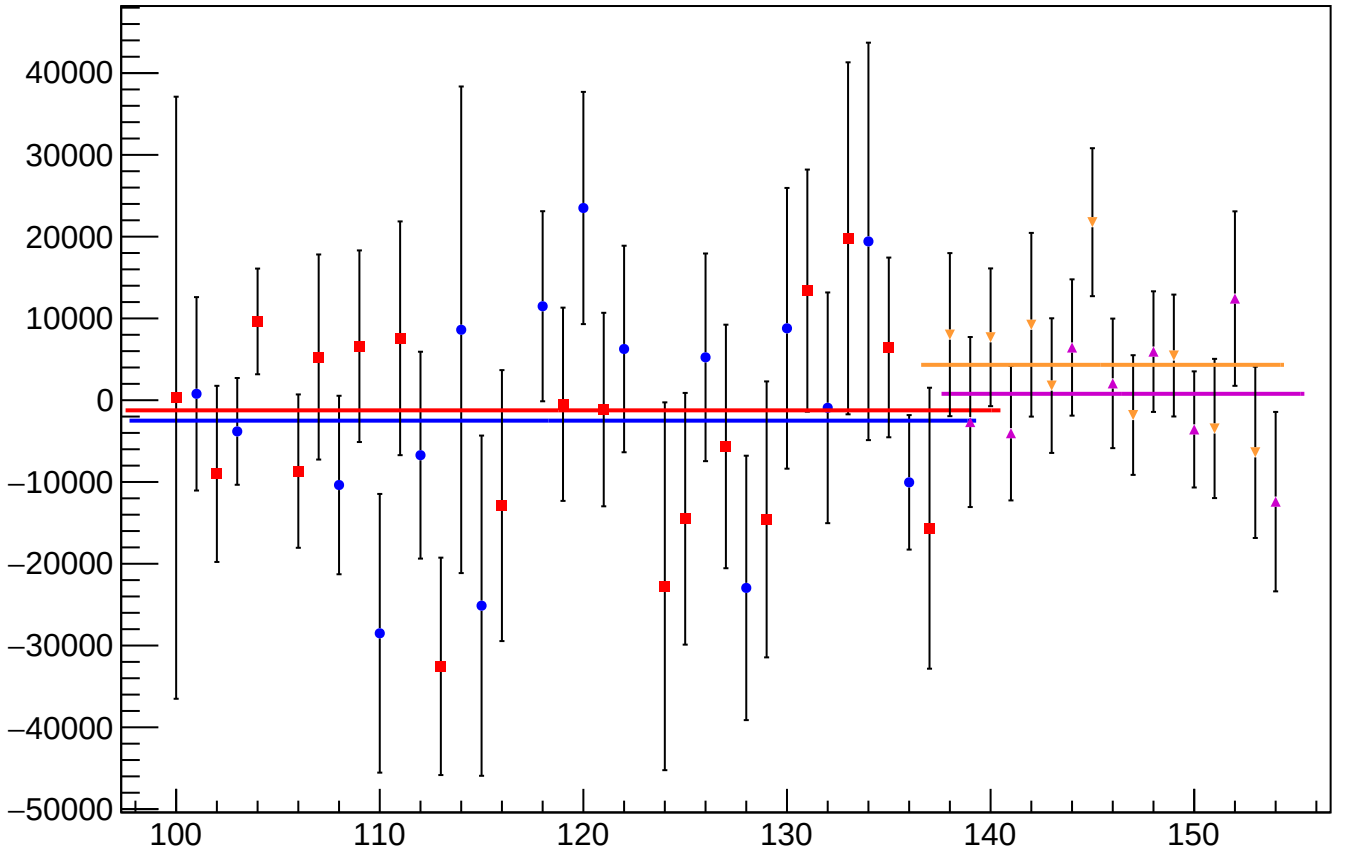
Left: 2510.066+/-0.475 χ^2/NDF: 112611.5/16

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2498.756+/-0.473 χ^2/NDF:658953.3/23

Out: 2489.086+/-0.470 χ^2/NDF:508117.1/27

All: 2493.884+/-0.333 χ^2/NDF: 1167280.8/51



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: 781.264+/-3019.155 χ^2/NDF:4.4/7

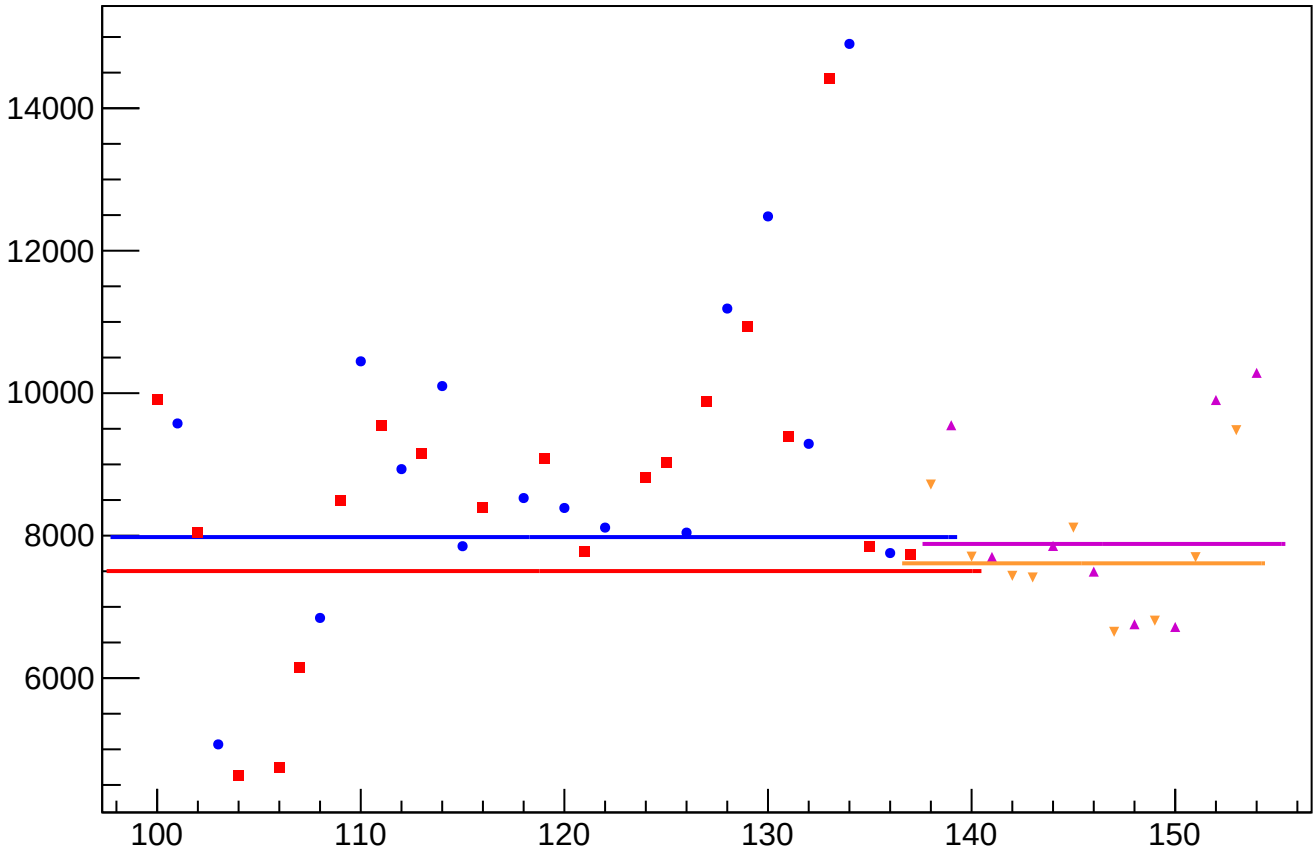
Left: 2622.822+/-2092.637 χ^2/NDF: 12.1/16

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -829.132+/-2154.567 χ^2/NDF:18.8/23

Out: 1533.553+/-2049.396 χ^2/NDF:25.4/27

All: 411.282+/-1484.930 χ^2/NDF: 44.8/51



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: 7883.528+/-2.135 χ^2/NDF:325431.0/7

Left: 7742.094+/-1.480 χ^2/NDF: 488248.3/16

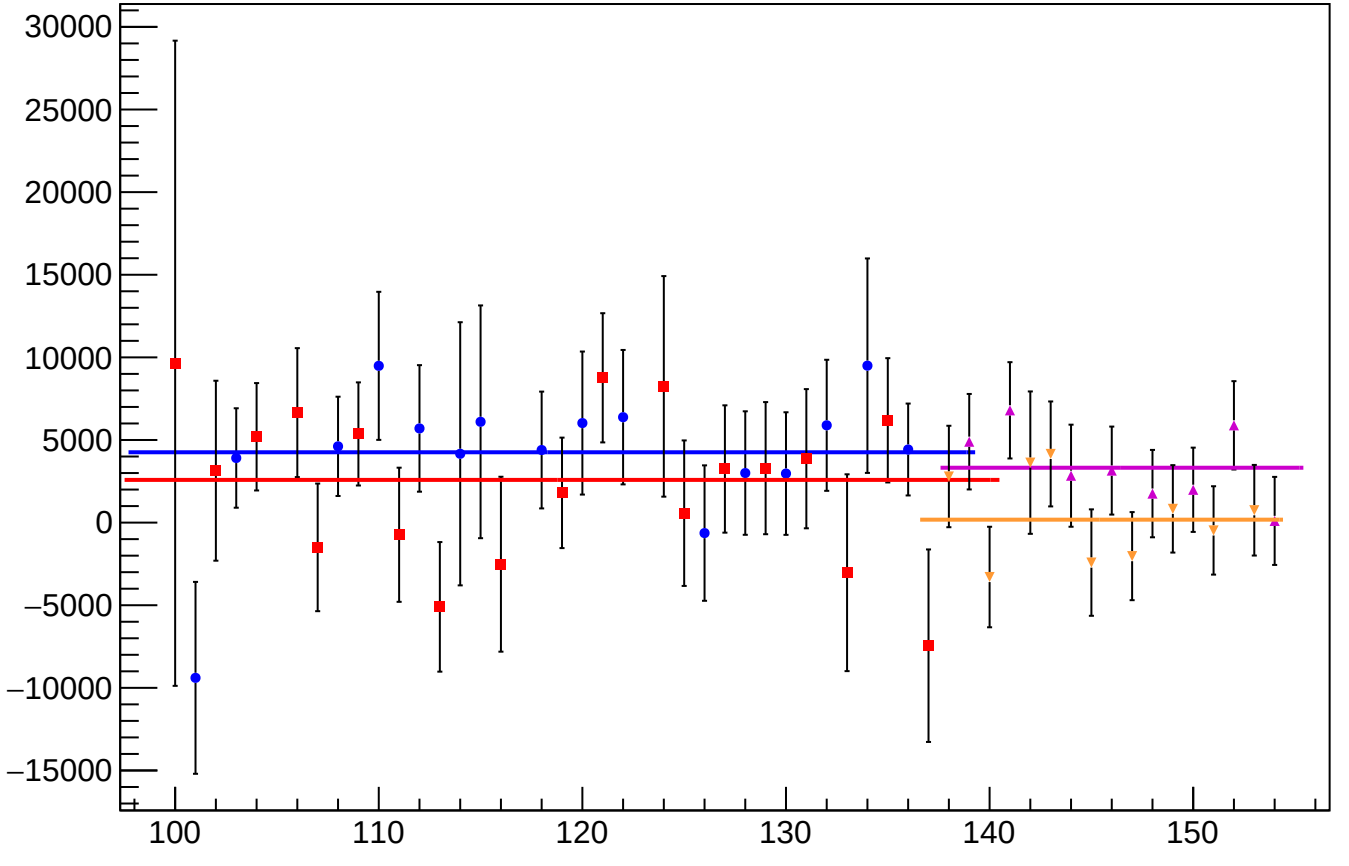
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7930.777+/-1.524 χ^2/NDF:1249214.5/23

Out: 7556.822+/-1.449 χ^2/NDF:1291298.7/27

All: 7734.450+/-1.050 χ^2/NDF: 2572143.9/51

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: 3320.762+/-970.811 χ^2/NDF:4.8/7

Left: 1780.297+/-693.188 χ^2/NDF: 15.6/16

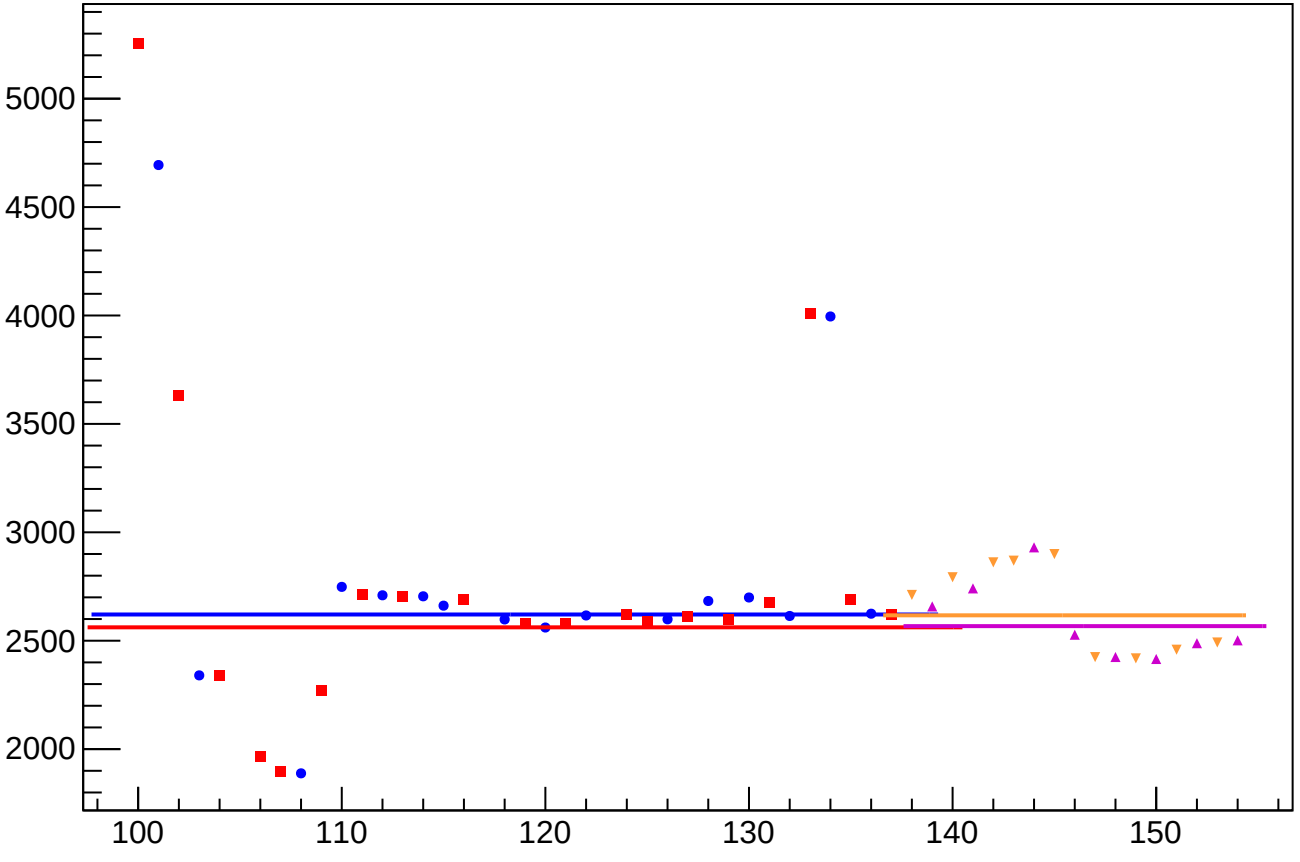
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3779.452+/-693.338 χ^2/NDF:15.3/23

Out: 1410.934+/-691.448 χ^2/NDF:26.4/27

All: 2591.961+/-489.594 χ^2/NDF: 47.5/51

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: 2567.278+/-0.686 χ^2/NDF:53043.1/7

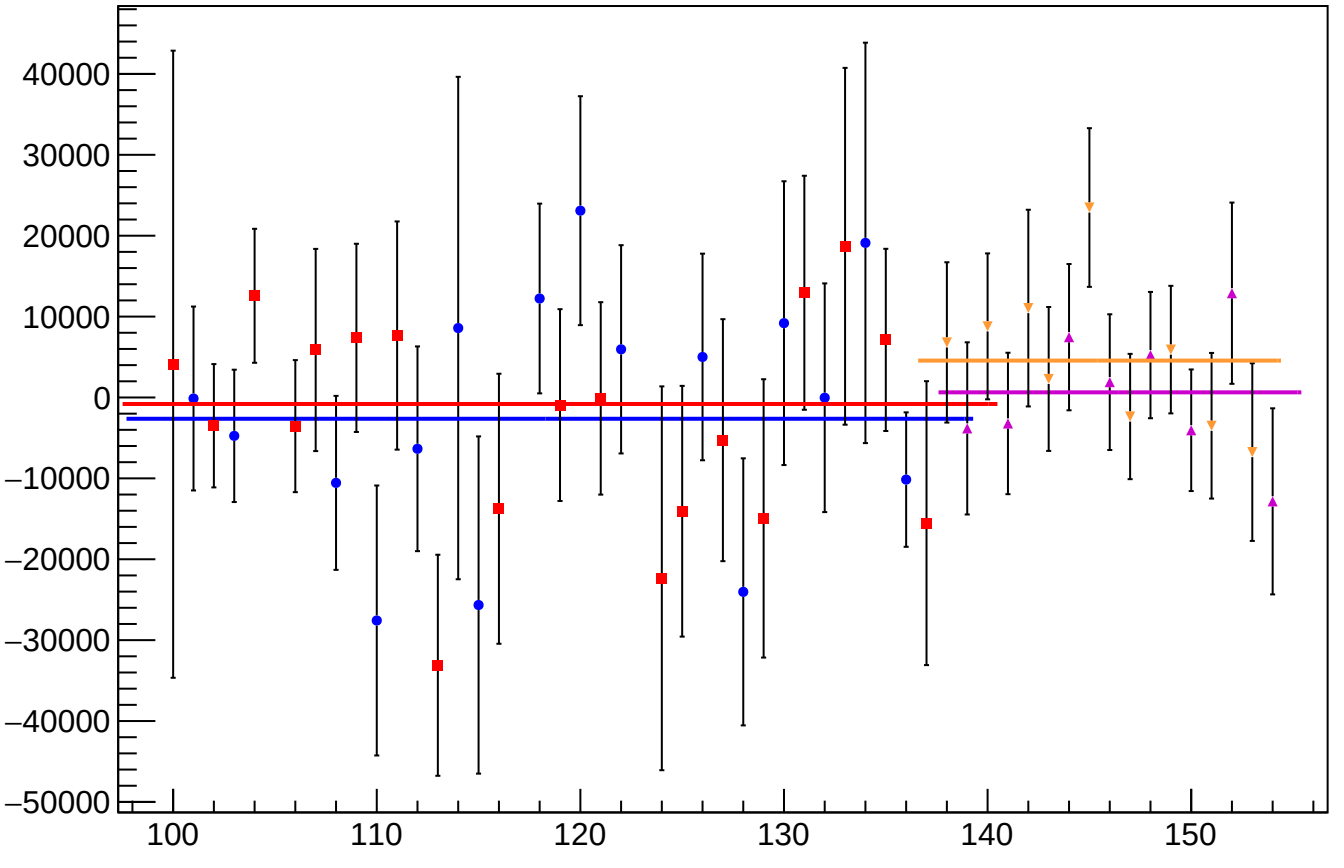
Left: 2591.708+/-0.490 χ^2/NDF: 131521.8/16

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2593.581+/-0.490 χ^2/NDF:541953.7/23

Out: 2588.721+/-0.489 χ^2/NDF:457364.1/27

All: 2591.144+/-0.346 χ^2/NDF: 999367.0/51



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: 635.707+/-3194.833 χ^2/NDF:4.3/7

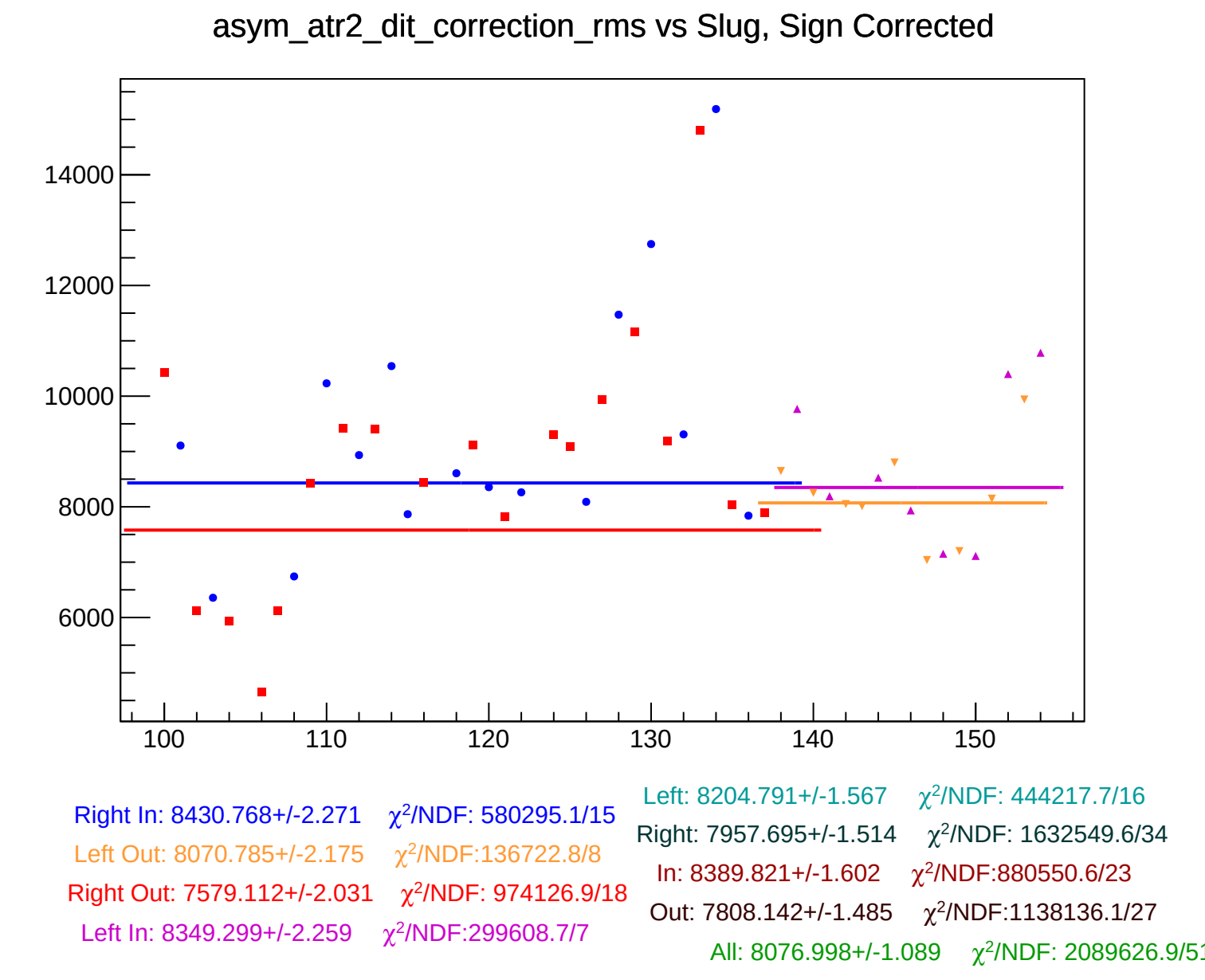
Left: 2672.980+/-2216.084 χ^2/NDF: 12.1/16

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

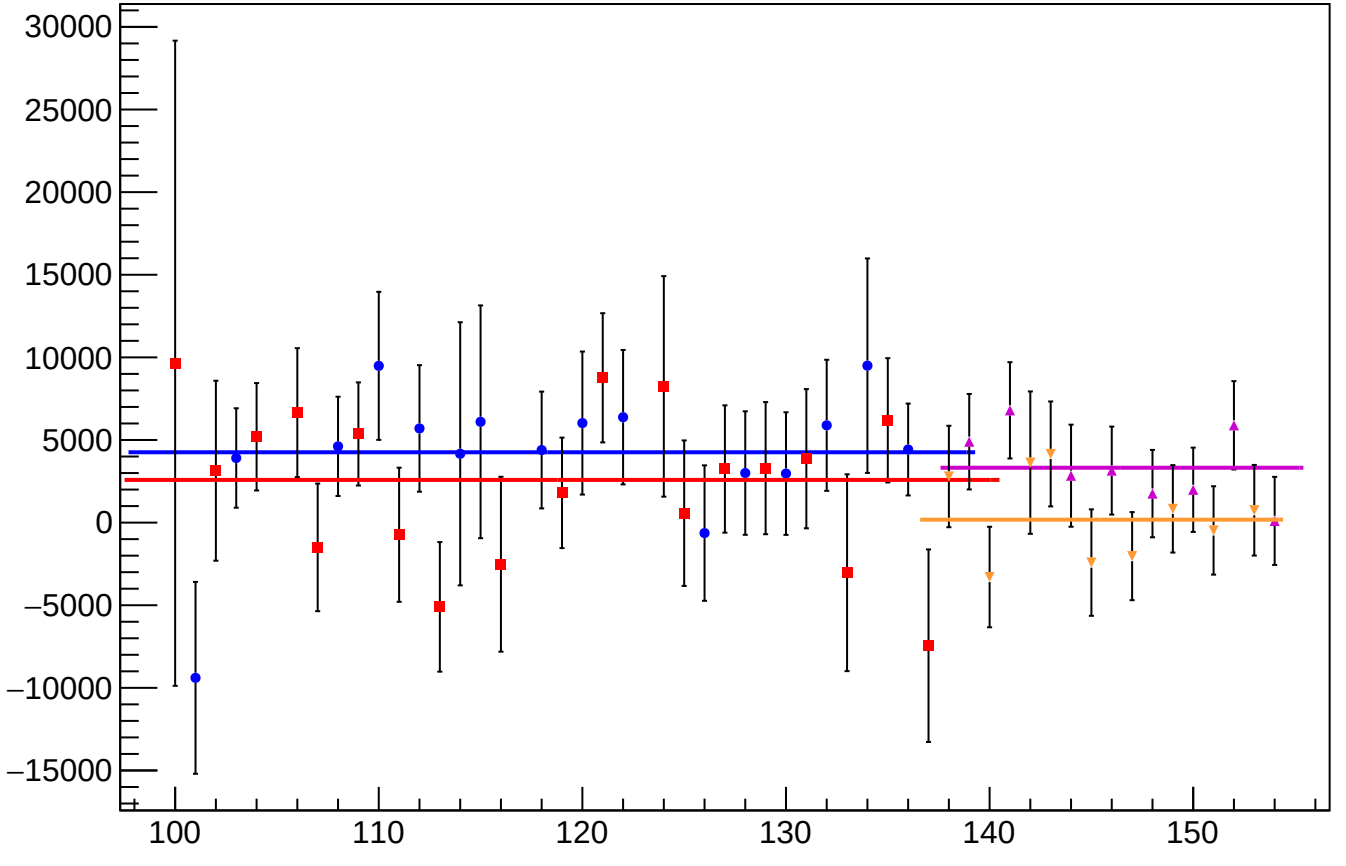
In: -989.603+/-2264.960 χ^2/NDF:18.6/23

Out: 1696.258+/-2099.766 χ^2/NDF:24.1/27

All: 454.835+/-1539.851 χ^2/NDF: 43.4/51


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: 8349.299+/-2.259 χ²/NDF:299608.7/7
Left: 8204.791+/-1.567 χ²/NDF: 444217.7/16
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8389.821+/-1.602 χ²/NDF:880550.6/23
Out: 7808.142+/-1.485 χ²/NDF:1138136.1/27
All: 8076.998+/-1.089 χ²/NDF: 2089626.9/51

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: 3320.756+/-970.811 χ^2/NDF:4.8/7

Left: 1780.291+/-693.188 χ^2/NDF: 15.6/16

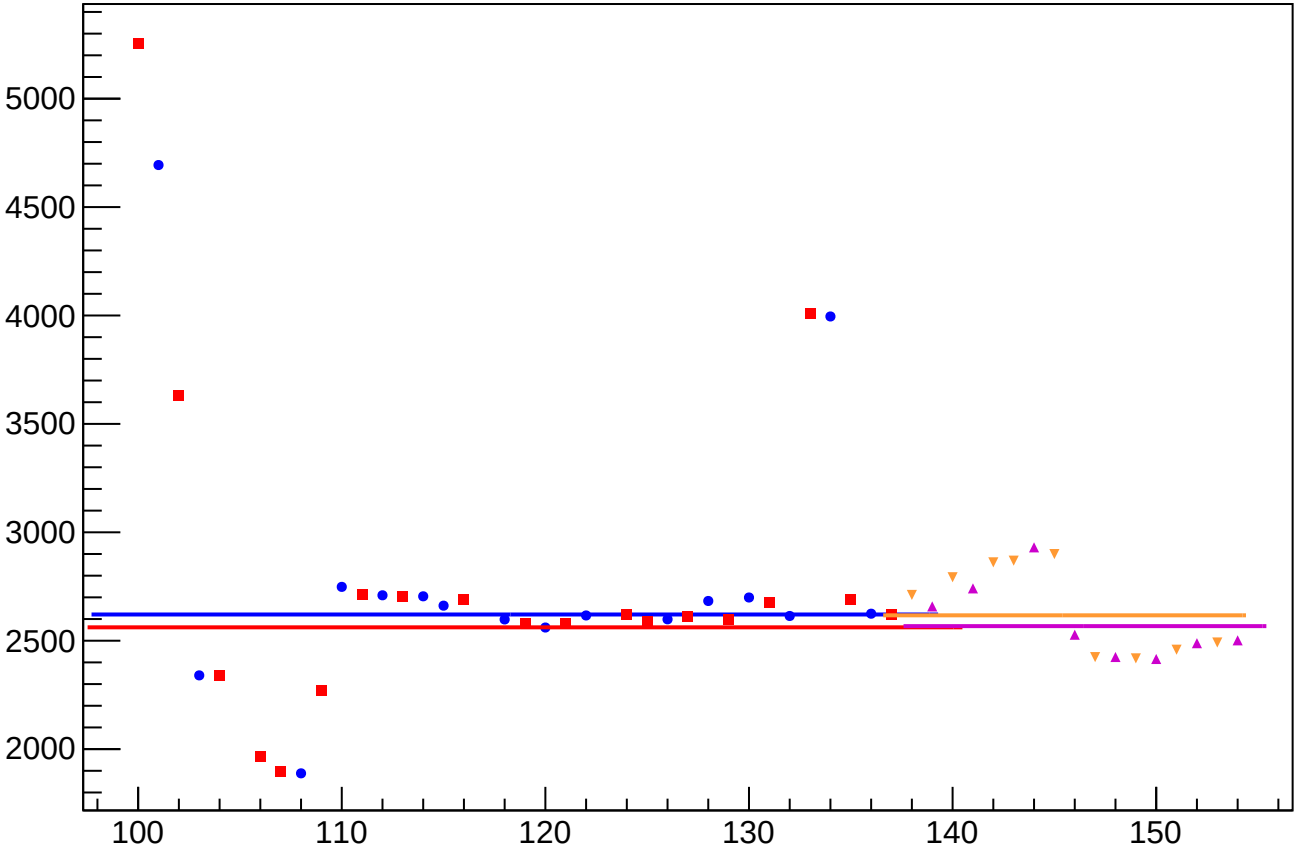
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3779.453+/-693.338 χ^2/NDF:15.3/23

Out: 1410.937+/-691.448 χ^2/NDF:26.4/27

All: 2591.963+/-489.594 χ^2/NDF: 47.5/51

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: 2567.280+/-0.686 χ^2/NDF:53042.9/7

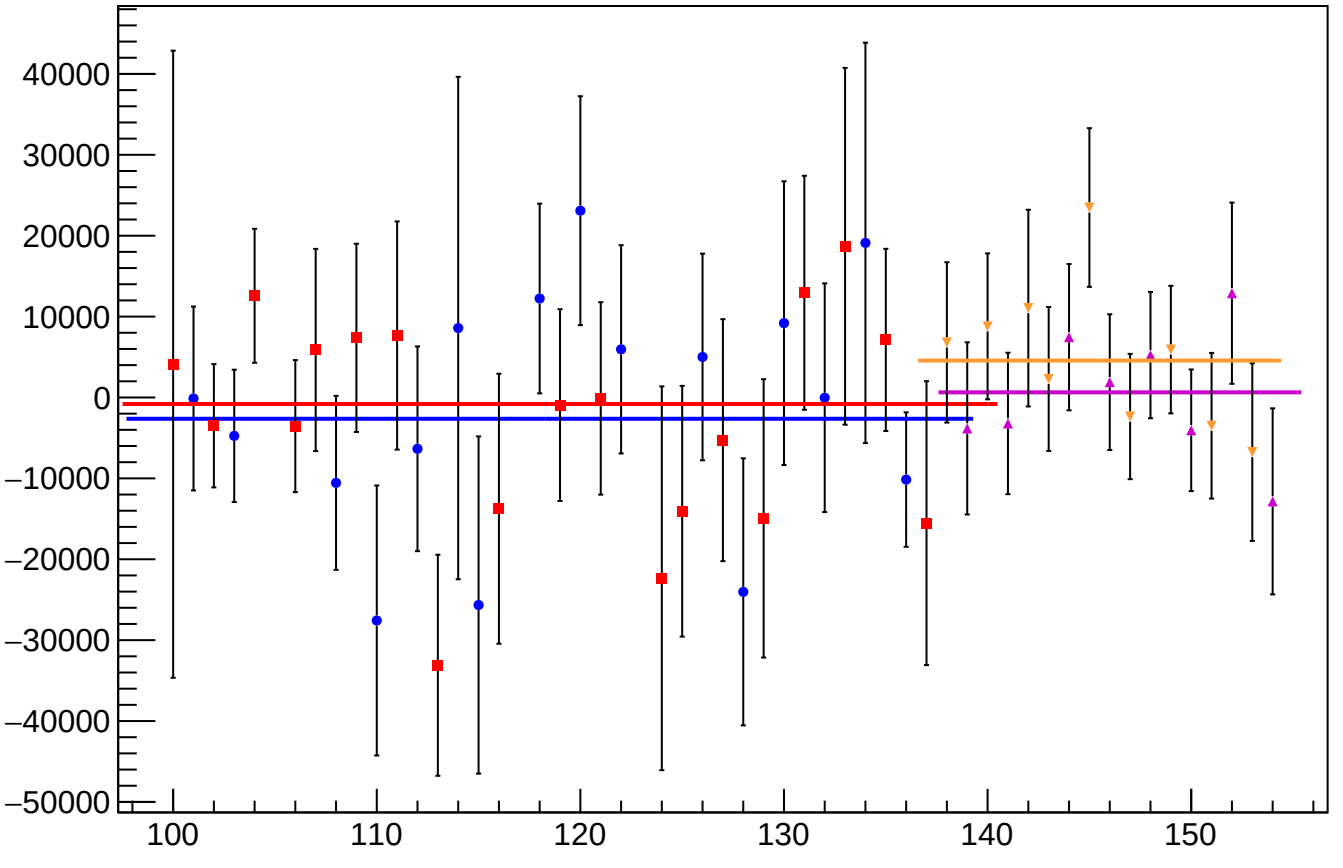
Left: 2591.710+/-0.490 χ^2/NDF: 131521.8/16

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2593.581+/-0.490 χ^2/NDF:541953.5/23

Out: 2588.722+/-0.489 χ^2/NDF:457363.9/27

All: 2591.144+/-0.346 χ^2/NDF: 999366.7/51



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: 635.700+/-3194.837 χ^2/NDF:4.3/7

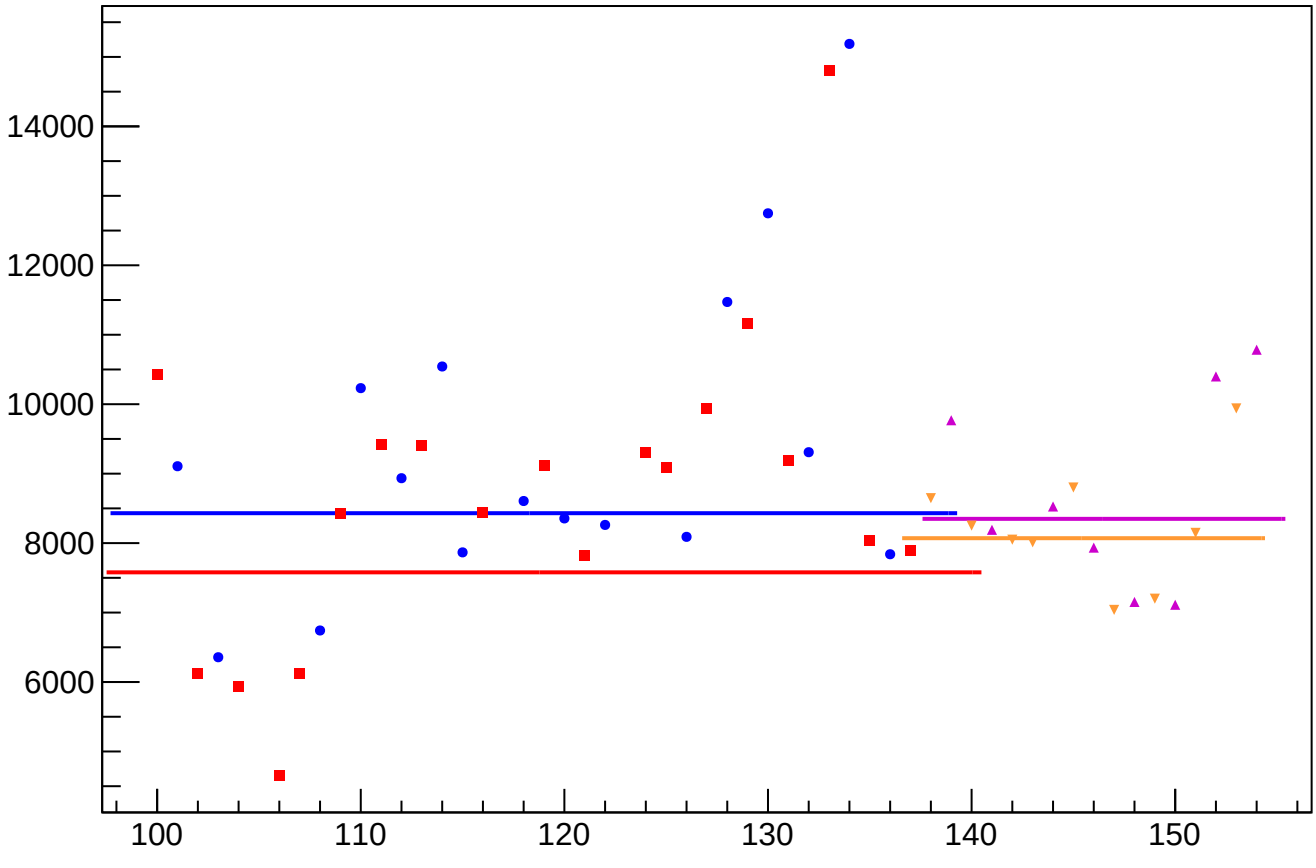
Left: 2672.975+/-2216.087 χ^2/NDF: 12.1/16

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -989.594+/-2264.960 χ^2/NDF:18.6/23

Out: 1696.250+/-2099.765 χ^2/NDF:24.1/27

All: 454.836+/-1539.850 χ^2/NDF: 43.4/51



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: 8349.310+/-2.259 χ^2/NDF:299607.0/7

Left: 8204.802+/-1.567 χ^2/NDF: 444215.5/16

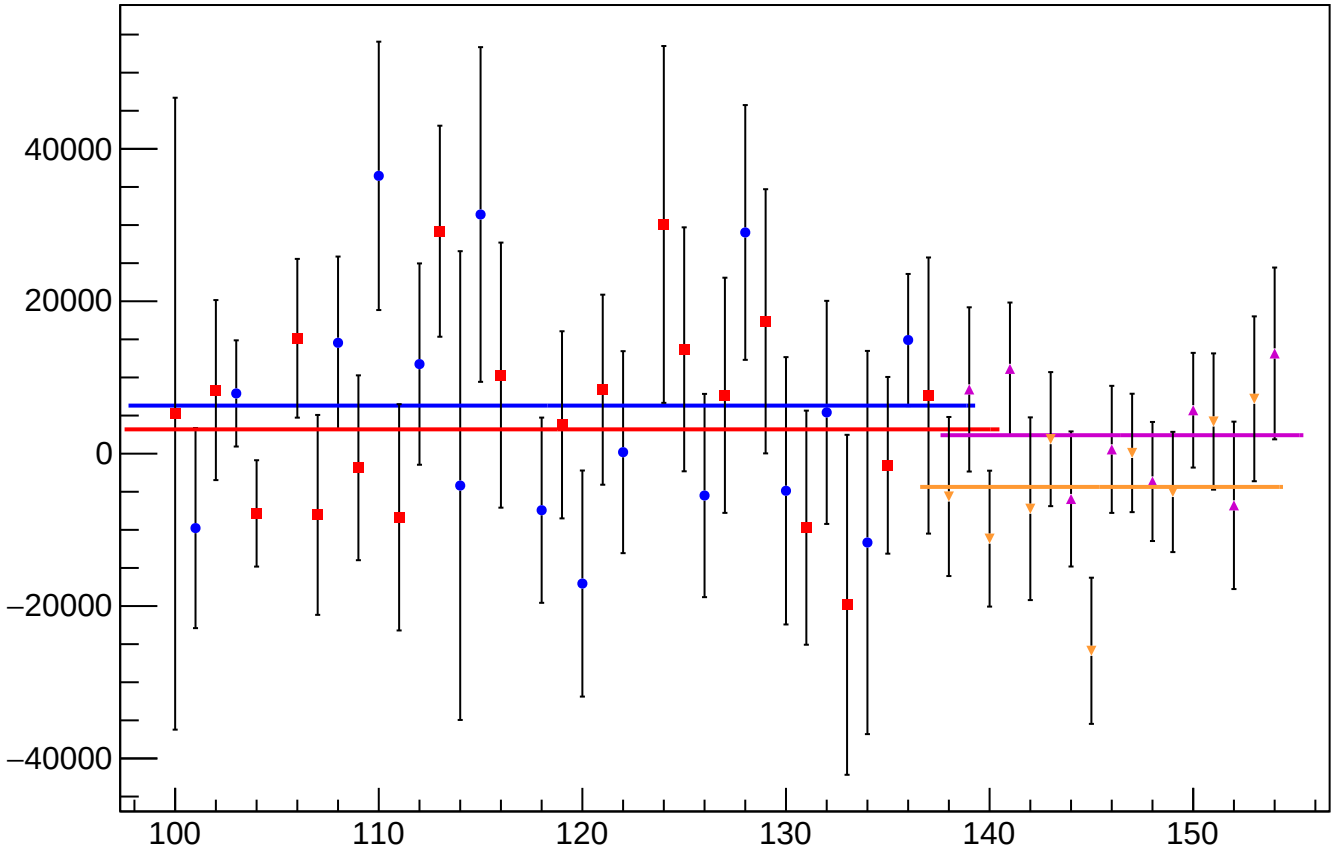
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8389.822+/-1.602 χ^2/NDF:880542.9/23

Out: 7808.140+/-1.485 χ^2/NDF:1138134.4/27

All: 8076.997+/-1.089 χ^2/NDF: 2089618.1/51

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: 2421.372+/-3176.668 χ^2/NDF:4.7/7

Left: -1088.992+/-2207.086 χ^2/NDF: 15.6/16

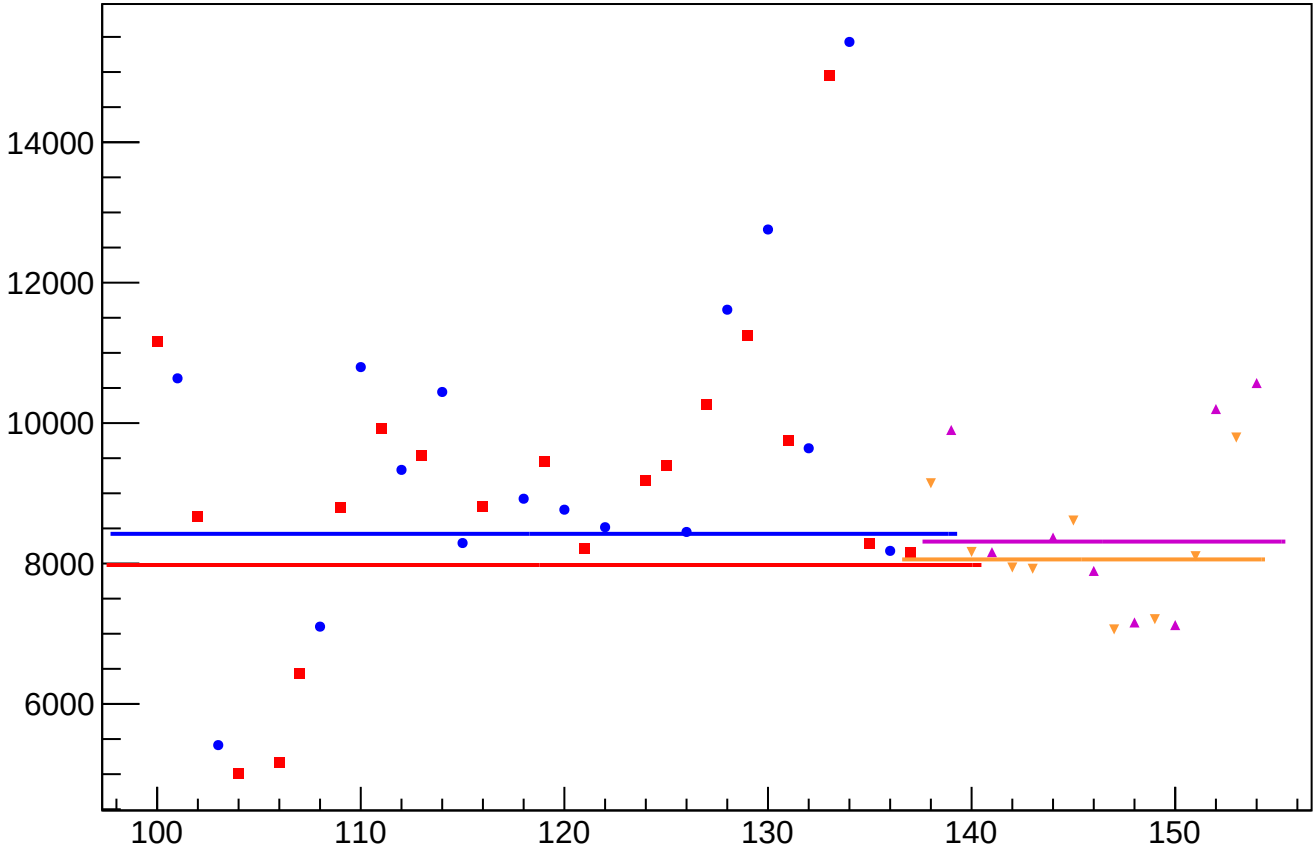
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 4326.034+/-2268.201 χ^2/NDF:20.5/23

Out: -587.649+/-2169.884 χ^2/NDF:25.5/27

All: 1760.393+/-1567.945 χ^2/NDF: 48.4/51

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: 8312.373+/-2.246 χ^2/NDF:281901.6/7

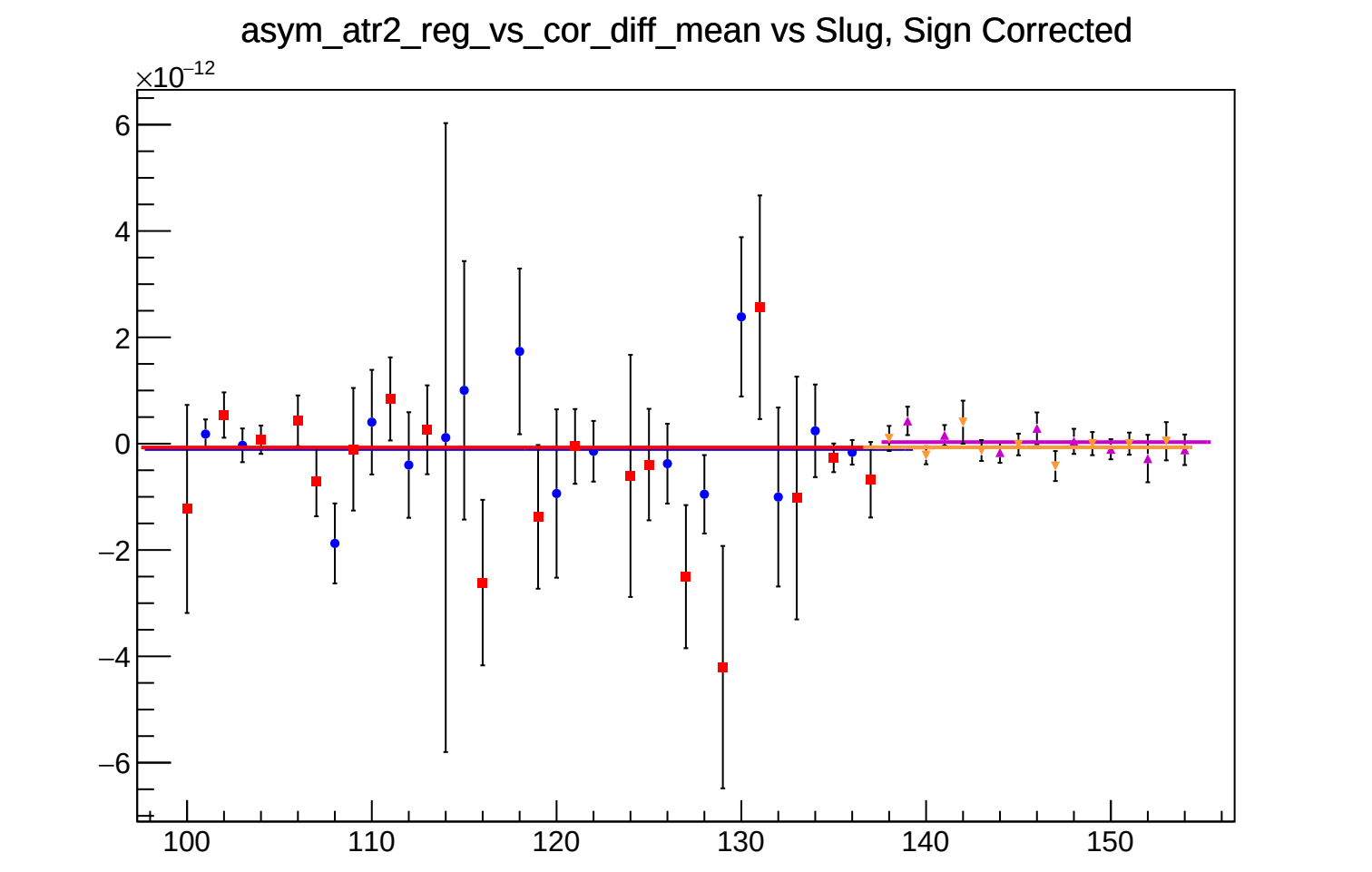
Left: 8180.985+/-1.561 χ^2/NDF: 425479.1/16

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8366.461+/-1.604 χ^2/NDF:1164918.4/23

Out: 8018.685+/-1.534 χ^2/NDF:1153651.5/27

All: 8184.871+/-1.109 χ^2/NDF: 2343120.4/51



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/7

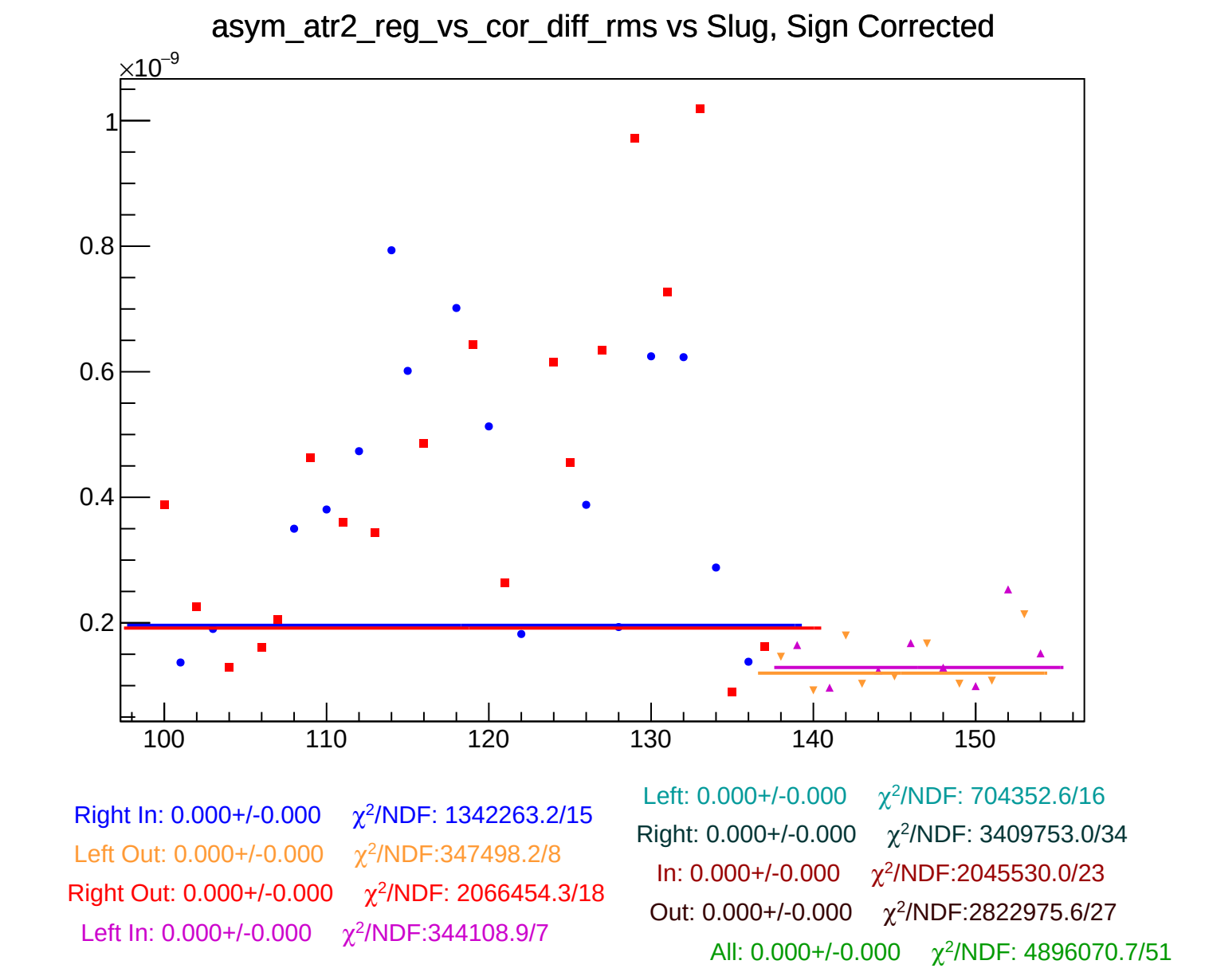
Left: -0.000+/-0.000 χ^2/NDF: 11.1/16

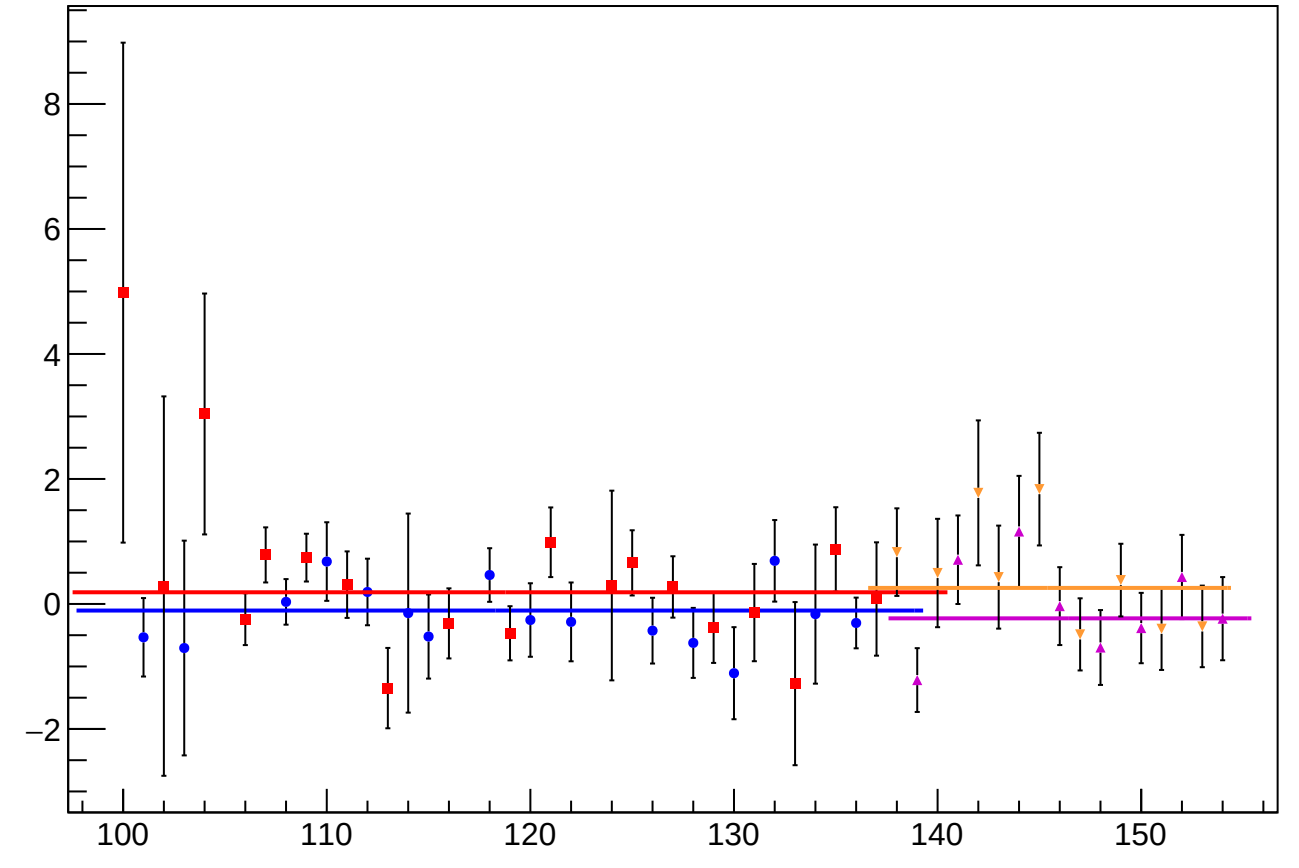
Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: -0.000+/-0.000 χ^2/NDF:20.0/23

Out: -0.000+/-0.000 χ^2/NDF:24.3/27

All: -0.000+/-0.000 χ^2/NDF: 44.7/51


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:344108.9/7
Left: 0.000+/-0.000 χ²/NDF: 704352.6/16
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2045530.0/23
Out: 0.000+/-0.000 χ²/NDF:2822975.6/27
All: 0.000+/-0.000 χ²/NDF: 4896070.7/51



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+/-0.223 χ^2/NDF:9.7/7

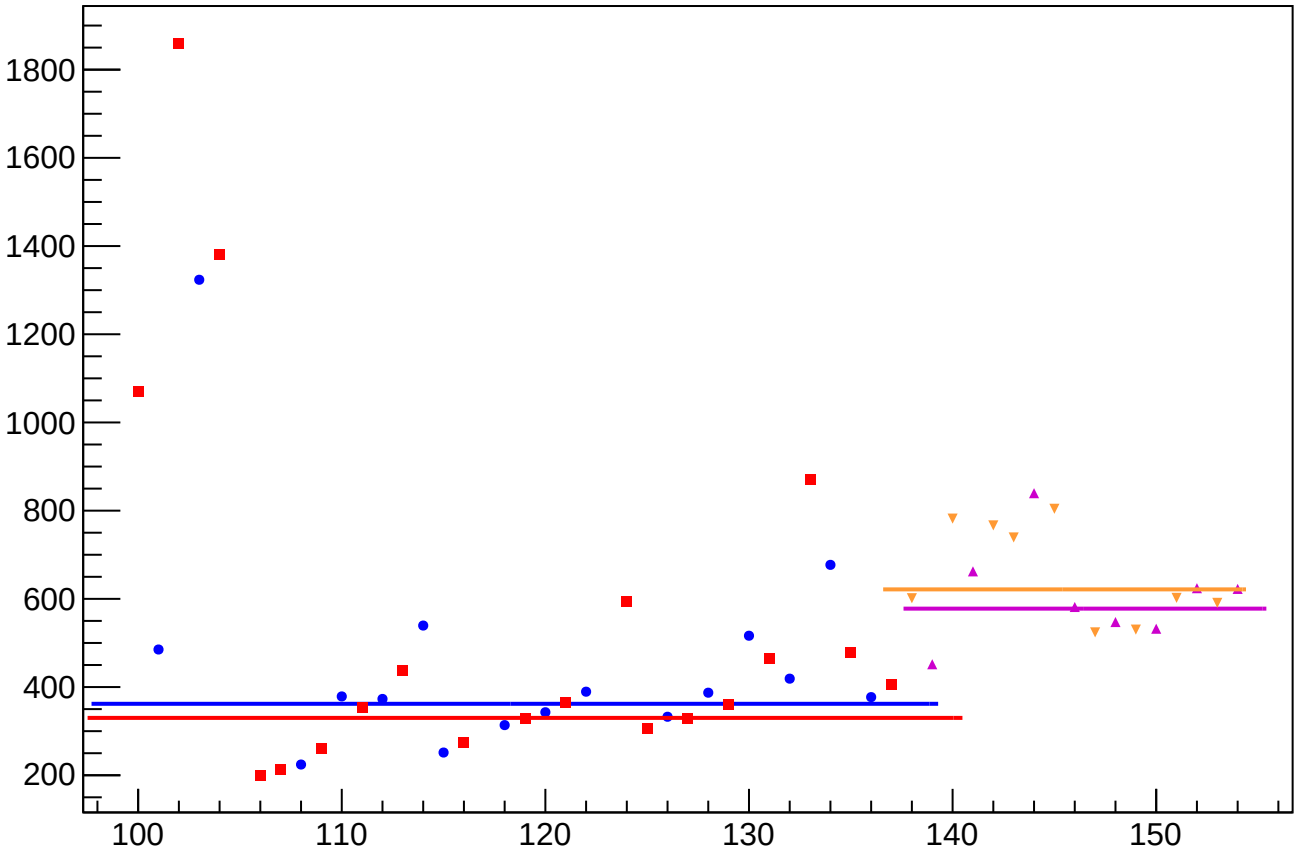
Left: -0.004+/-0.163 χ^2/NDF: 21.1/16

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.142+/-0.121 χ^2/NDF:19.6/23

Out: 0.204+/-0.119 χ^2/NDF:33.1/27

All: 0.034+/-0.085 χ^2/NDF: 56.8/51



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: 577.819+/-0.158 χ^2/NDF:360395.1/7

Left: 598.109+/-0.115 χ^2/NDF: 732913.6/16

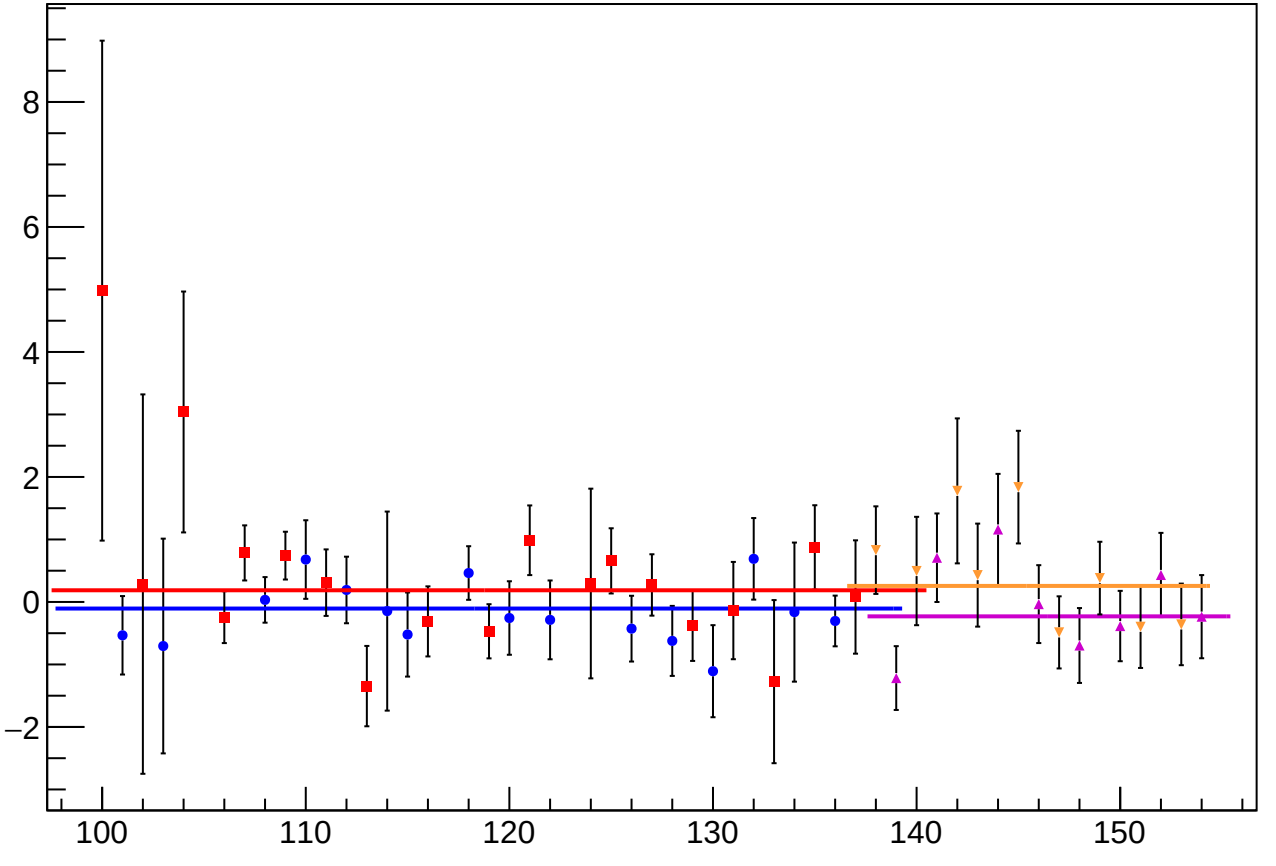
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 425.888+/-0.086 χ^2/NDF:3054053.4/23

Out: 402.234+/-0.084 χ^2/NDF:4810379.1/27

All: 413.843+/-0.060 χ^2/NDF: 7903090.1/51

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.257+/-0.240 χ^2/NDF:9.2/8

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.230+/-0.223 χ^2/NDF:9.7/7

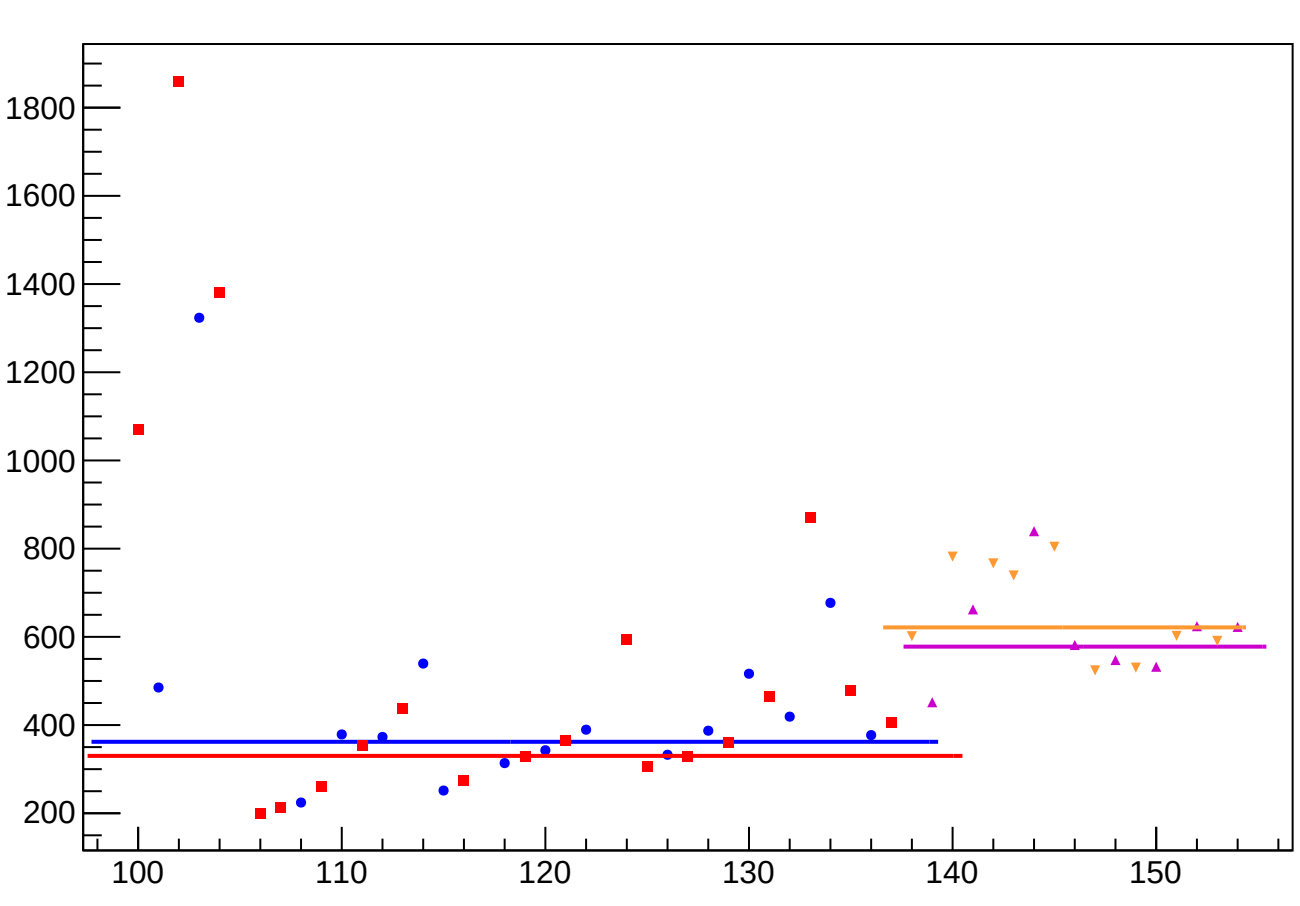
Left: -0.004+/-0.163 χ^2/NDF: 21.1/16

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.142+/-0.121 χ^2/NDF:19.6/23

Out: 0.204+/-0.119 χ^2/NDF:33.1/27

All: 0.034+/-0.085 χ^2/NDF: 56.8/51



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: 577.819+/-0.158 χ^2/NDF:360395.1/7

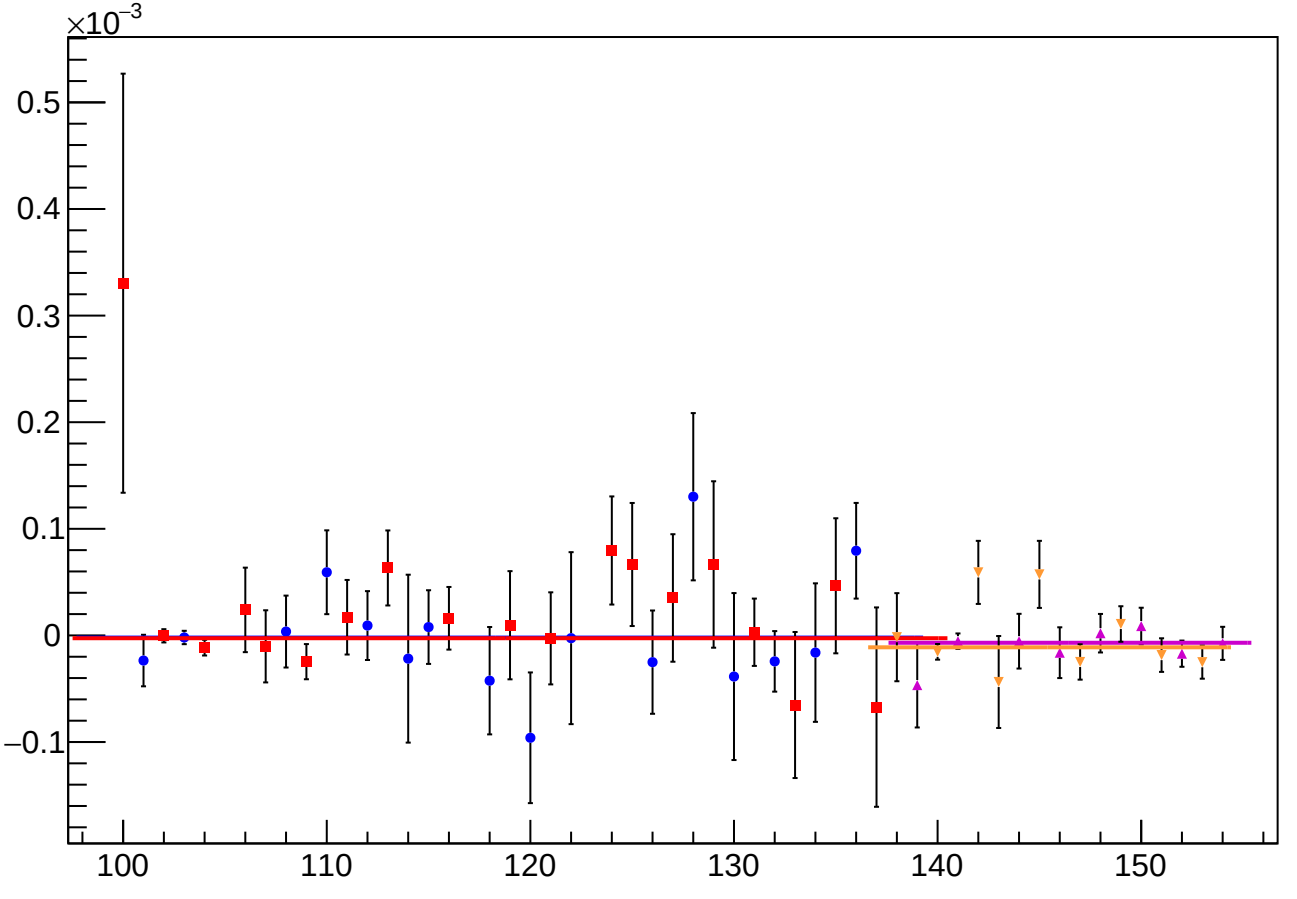
Left: 598.109+/-0.115 χ^2/NDF: 732913.6/16

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 425.888+/-0.086 χ^2/NDF:3054053.4/23

Out: 402.234+/-0.084 χ^2/NDF:4810379.1/27

All: 413.843+/-0.060 χ^2/NDF: 7903090.1/51



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:3.0/7

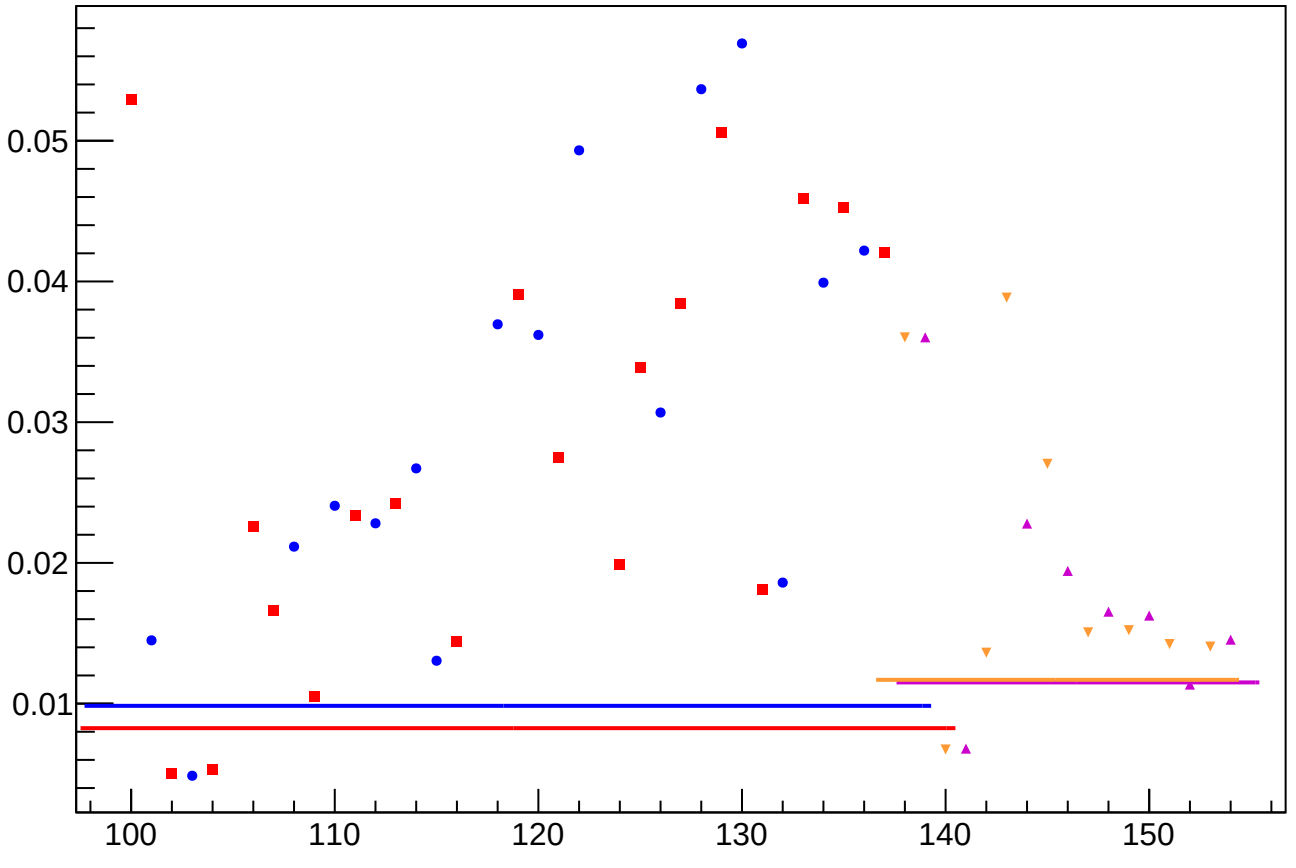
Left: -0.000+/-0.000 χ^2/NDF: 18.1/16

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:17.2/23

Out: -0.000+/-0.000 χ^2/NDF:34.6/27

All: -0.000+/-0.000 χ^2/NDF: 51.9/51



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: 0.012+/-0.000 χ^2/NDF:2597062.7/7

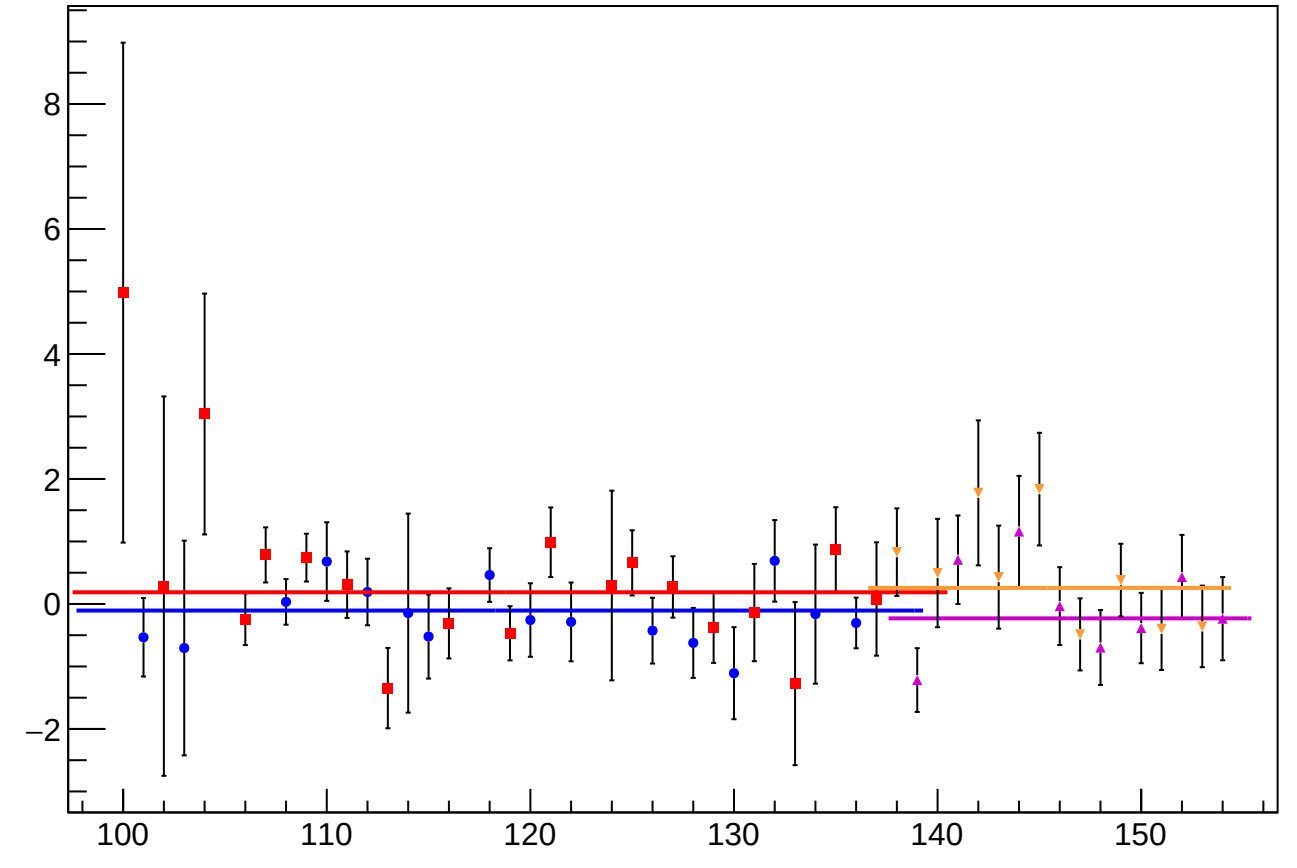
Left: 0.012+/-0.000 χ^2/NDF: 5748959.4/16

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:9751768.4/23

Out: 0.010+/-0.000 χ^2/NDF:10419366.0/27

All: 0.010+/-0.000 χ^2/NDF: 20273770.9/51



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+/-0.223 χ^2/NDF:9.7/7

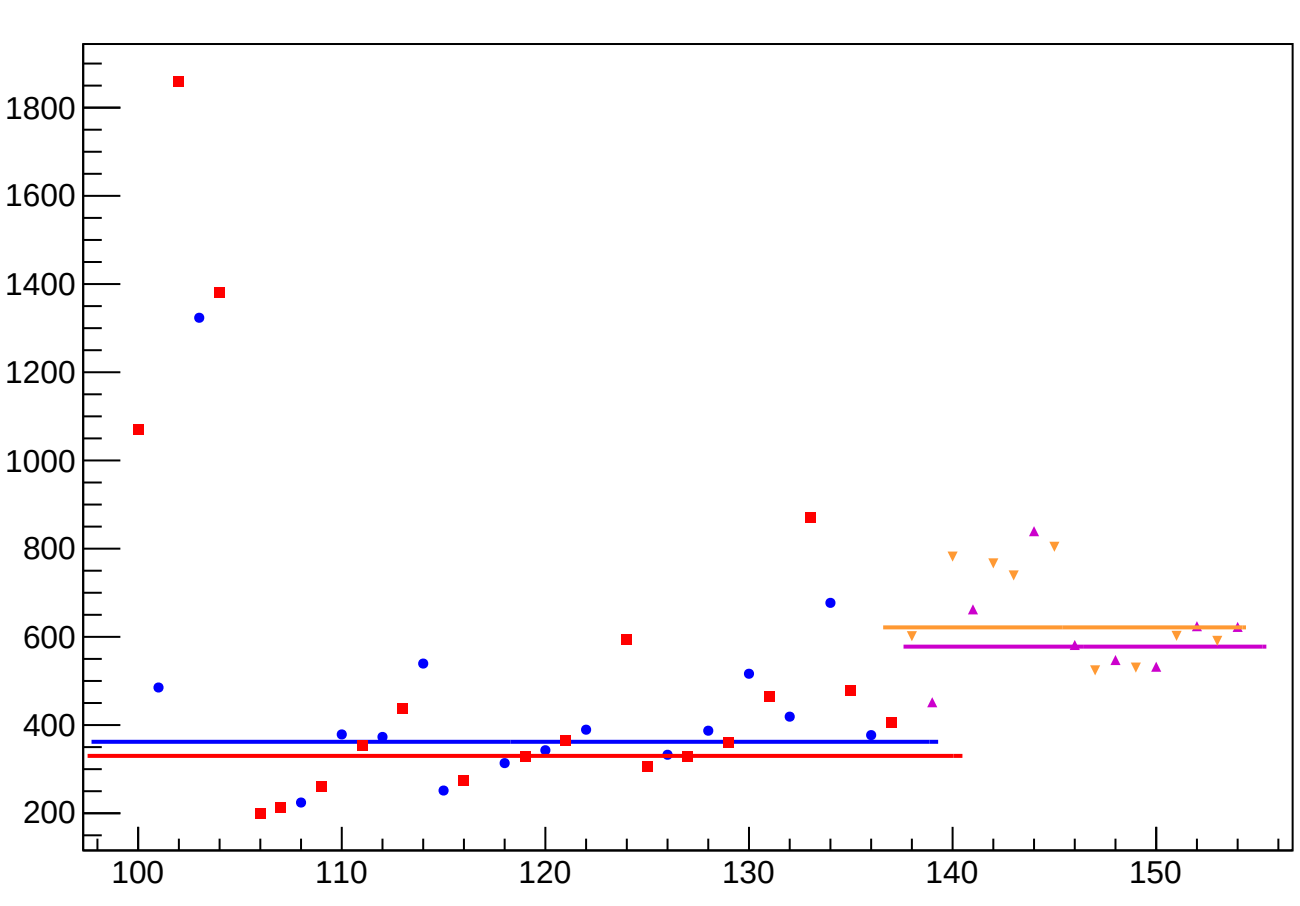
Left: -0.004+/-0.163 χ^2/NDF: 21.1/16

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.142+/-0.121 χ^2/NDF:19.6/23

Out: 0.204+/-0.119 χ^2/NDF:33.1/27

All: 0.034+/-0.085 χ^2/NDF: 56.8/51



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: 577.826+/-0.158 χ^2/NDF:360372.2/7

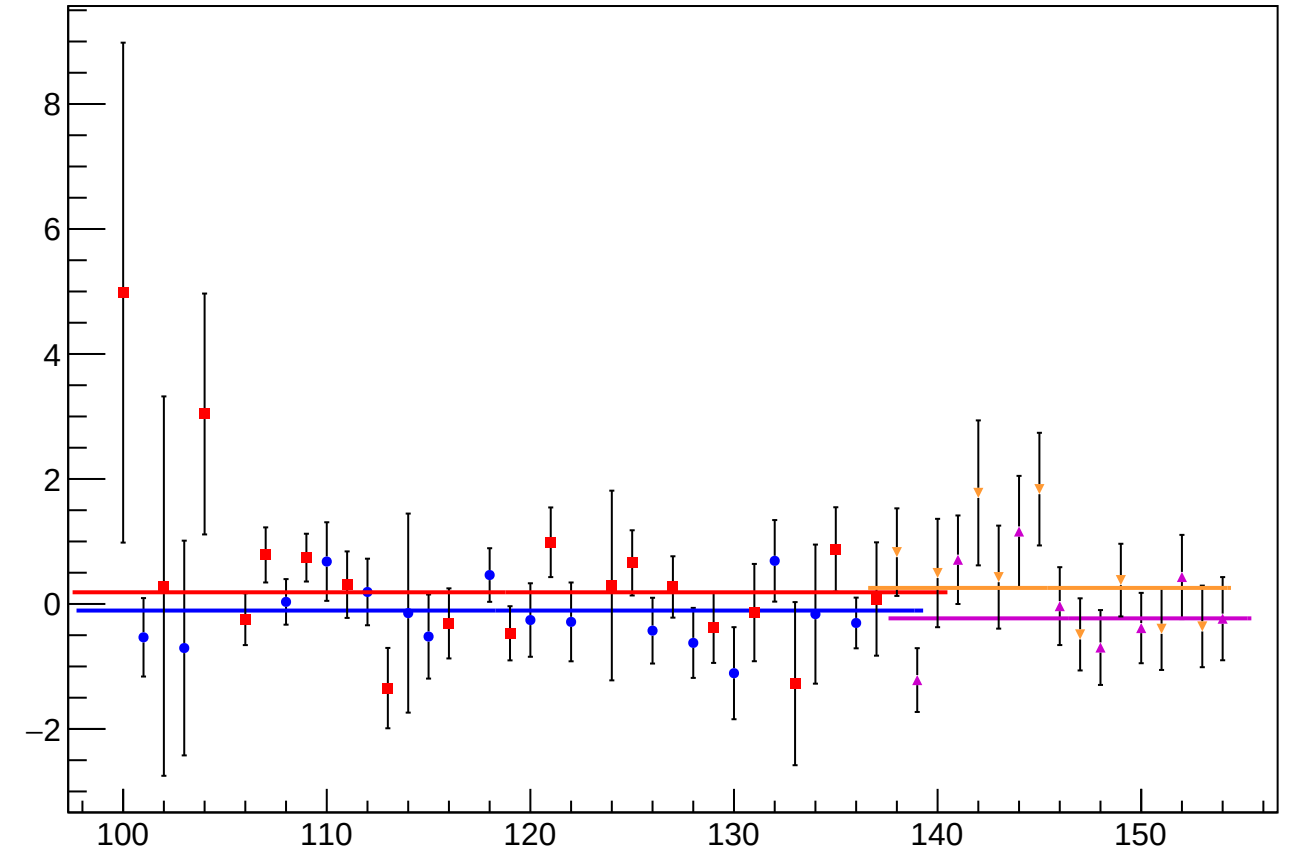
Left: 598.117+/-0.115 χ^2/NDF: 732878.3/16

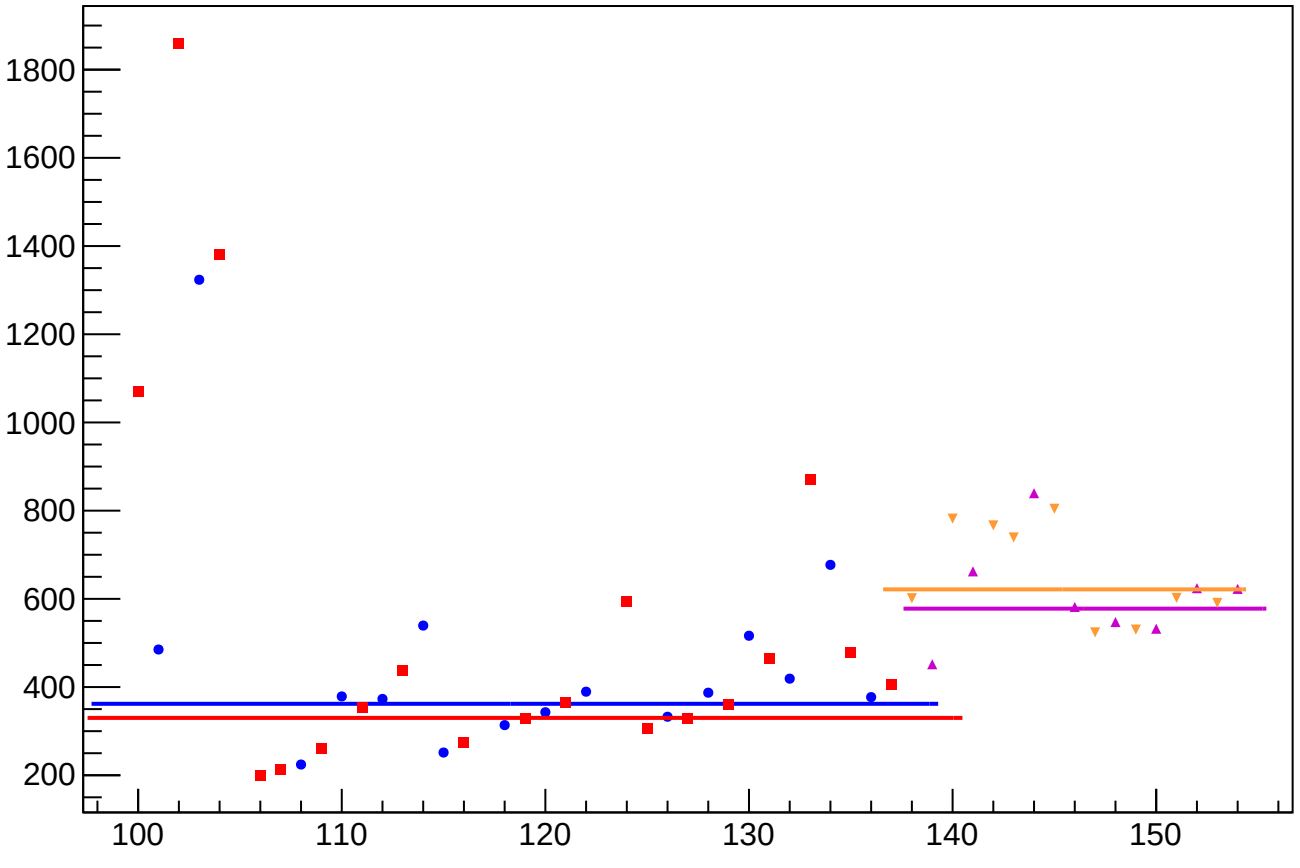
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 425.886+/-0.086 χ^2/NDF:3054140.5/23

Out: 402.233+/-0.084 χ^2/NDF:4810463.3/27

All: 413.842+/-0.060 χ^2/NDF: 7903259.6/51


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.257+/-0.240 χ²/NDF:9.2/8
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.230+/-0.223 χ²/NDF:9.7/7
Left: -0.004+/-0.163 χ²/NDF: 21.1/16
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.142+/-0.121 χ²/NDF:19.6/23
Out: 0.204+/-0.119 χ²/NDF:33.1/27
All: 0.034+/-0.085 χ²/NDF: 56.8/51



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: 577.826+/-0.158 χ^2/NDF:360372.2/7

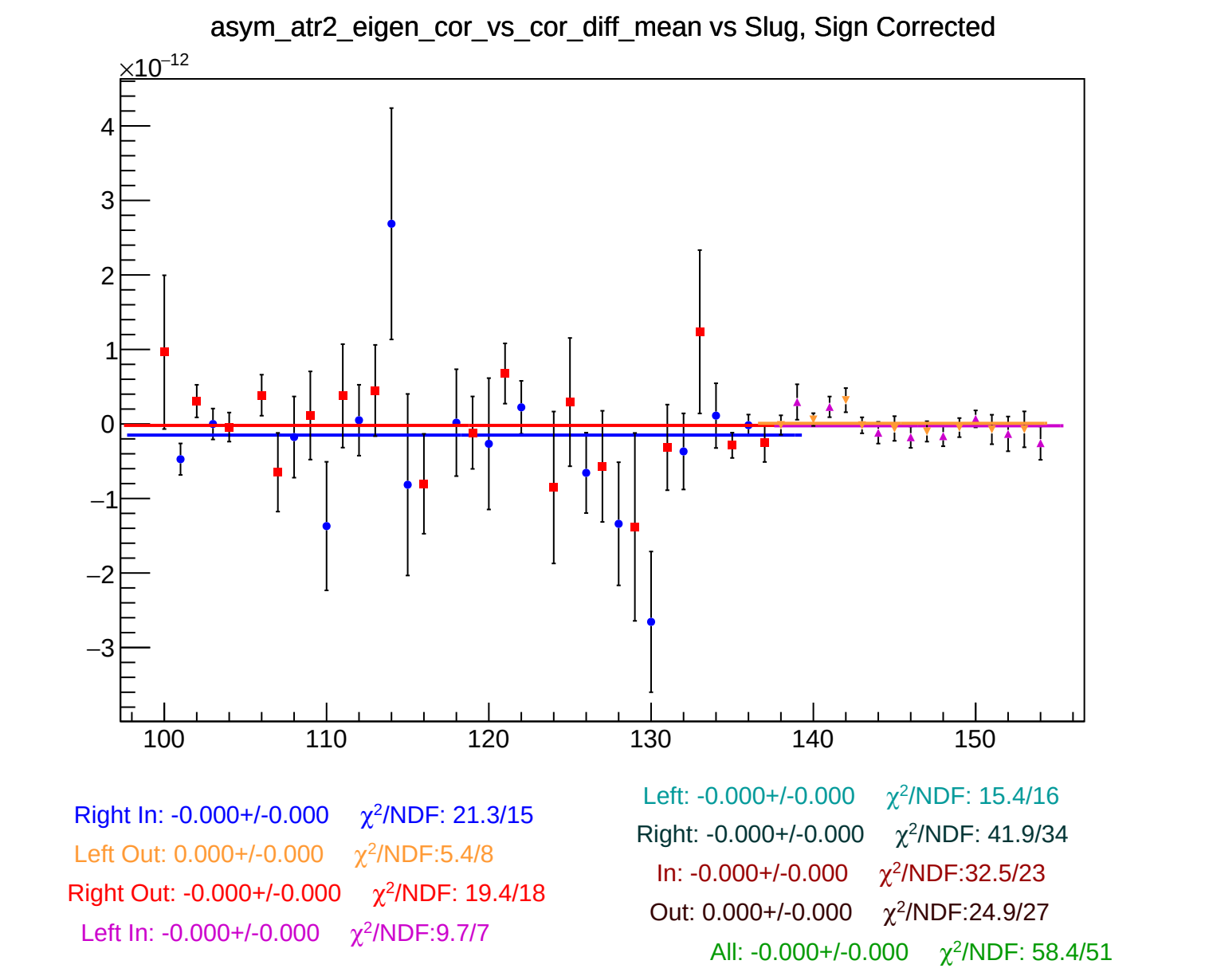
Left: 598.117+/-0.115 χ^2/NDF: 732878.3/16

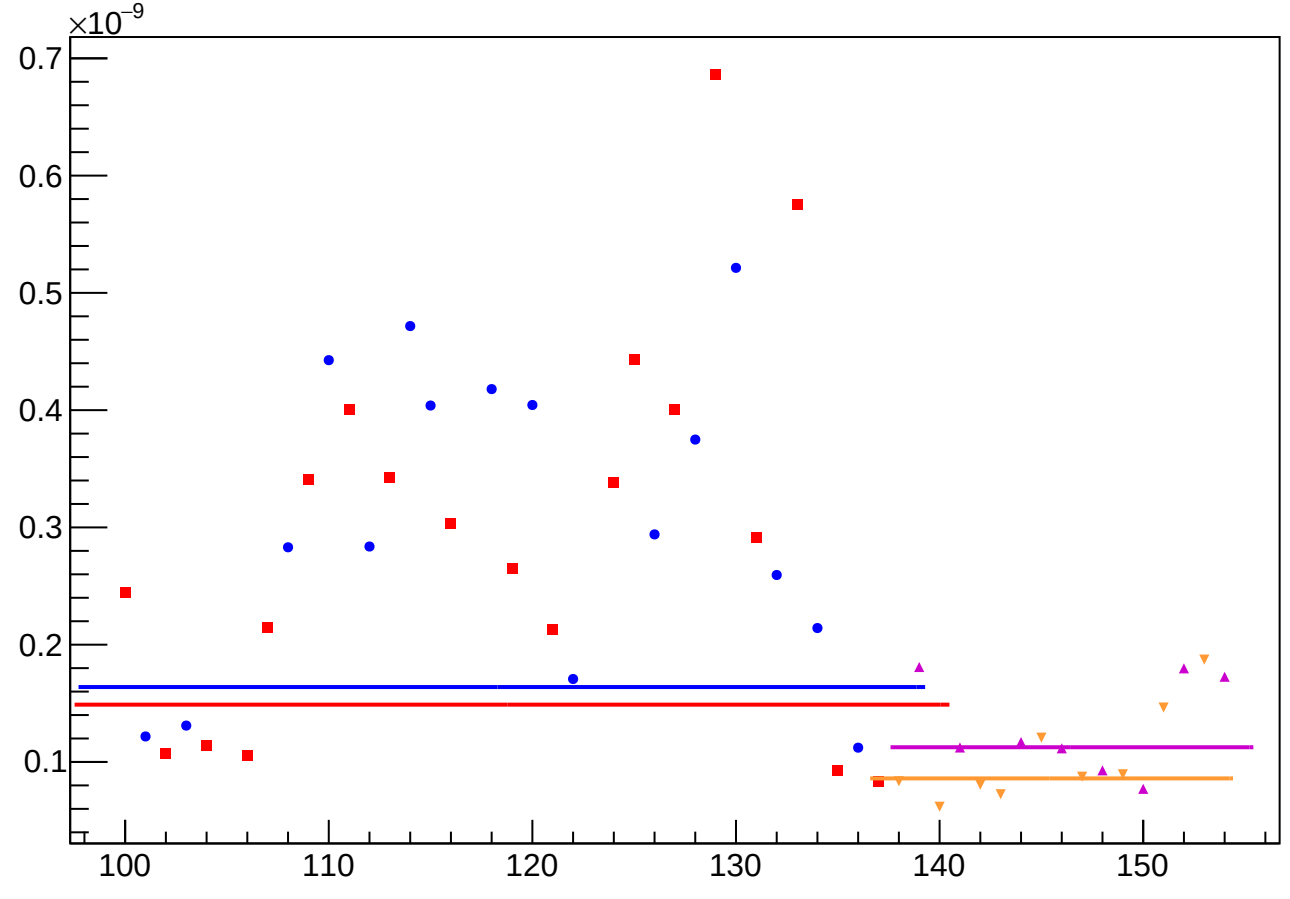
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 425.886+/-0.086 χ^2/NDF:3054140.5/23

Out: 402.233+/-0.084 χ^2/NDF:4810463.3/27

All: 413.842+/-0.060 χ^2/NDF: 7903259.6/51


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:9.7/7
Left: -0.000+/-0.000 χ²/NDF: 15.4/16
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:32.5/23
Out: 0.000+/-0.000 χ²/NDF:24.9/27
All: -0.000+/-0.000 χ²/NDF: 58.4/51



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:715185.2/7

Left: 0.000+/-0.000 χ^2/NDF: 1828888.8/16

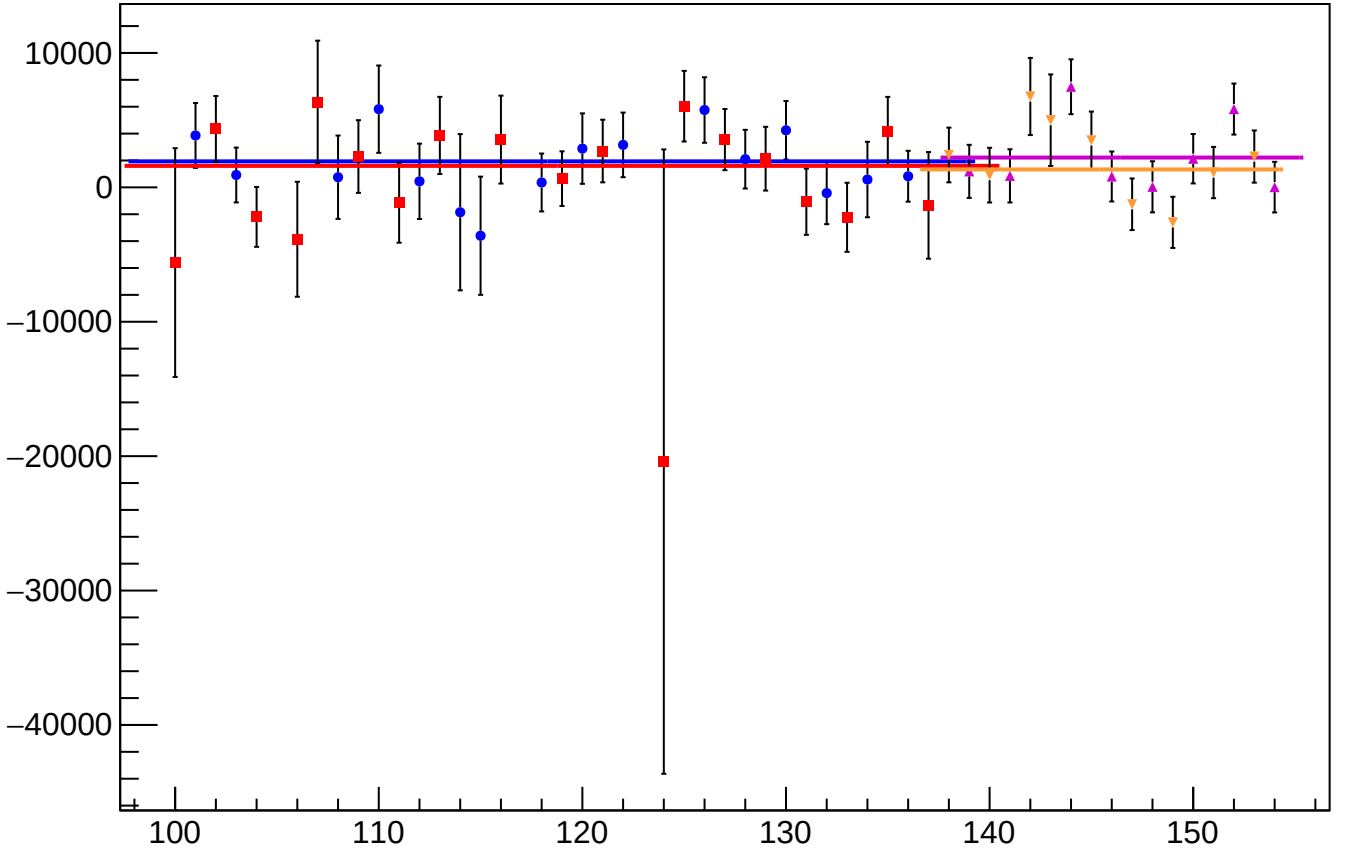
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3223645.8/23

Out: 0.000+/-0.000 χ^2/NDF:4559948.0/27

All: 0.000+/-0.000 χ^2/NDF: 8191757.4/51

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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: 2216.983+/-678.447 χ^2/NDF:14.3/7

Left: 1794.186+/-489.902 χ^2/NDF: 27.5/16

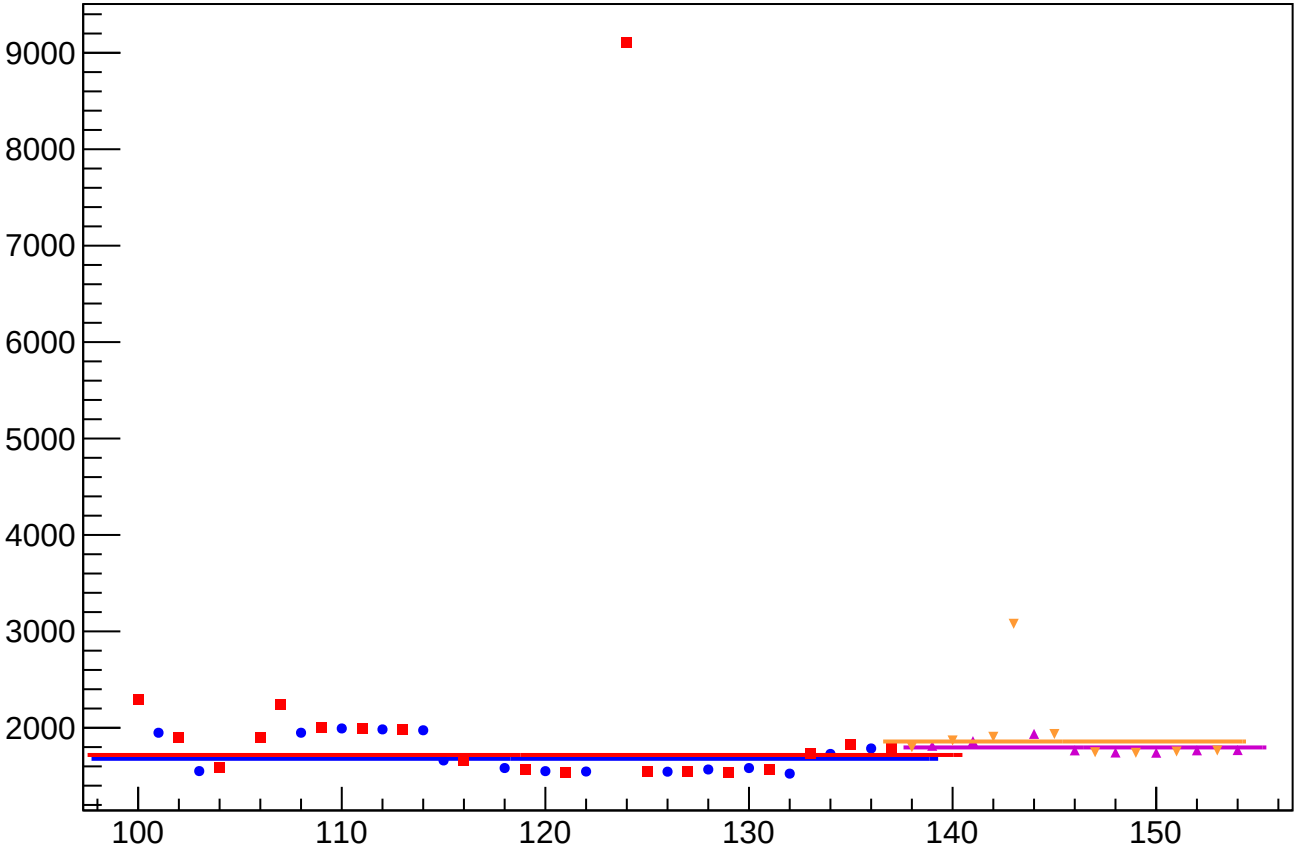
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2064.959+/-460.817 χ^2/NDF:25.2/23

Out: 1478.636+/-475.720 χ^2/NDF:31.9/27

All: 1781.126+/-330.990 χ^2/NDF: 57.9/51

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: 1796.394+/-0.480 χ^2/NDF:16555.7/7

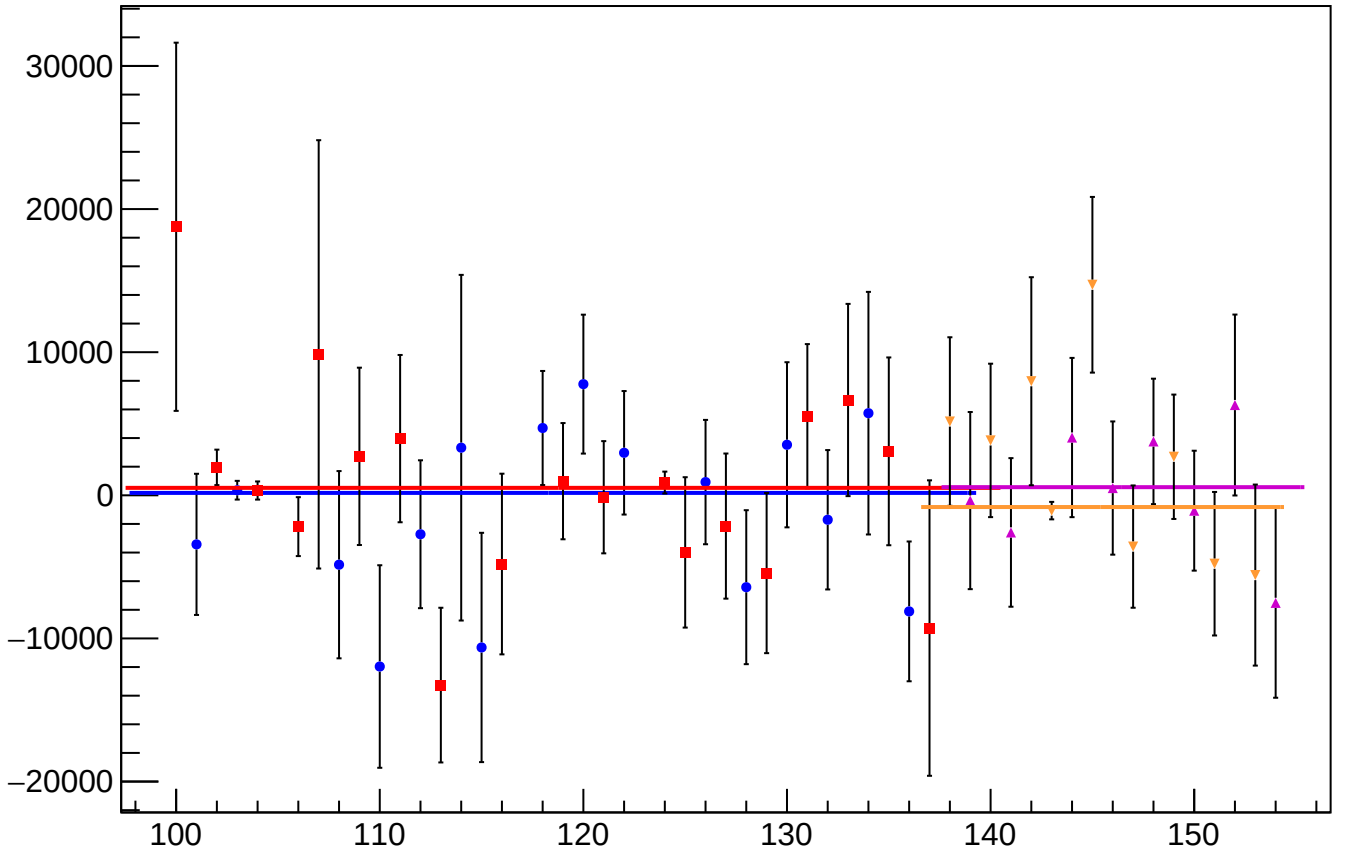
Left: 1825.882+/-0.346 χ^2/NDF: 310871.9/16

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1732.913+/-0.326 χ^2/NDF:190545.4/23

Out: 1781.027+/-0.336 χ^2/NDF:712490.1/27

All: 1756.267+/-0.234 χ^2/NDF: 913618.4/51



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: 569.237+/-1830.368 χ^2/NDF:3.8/7

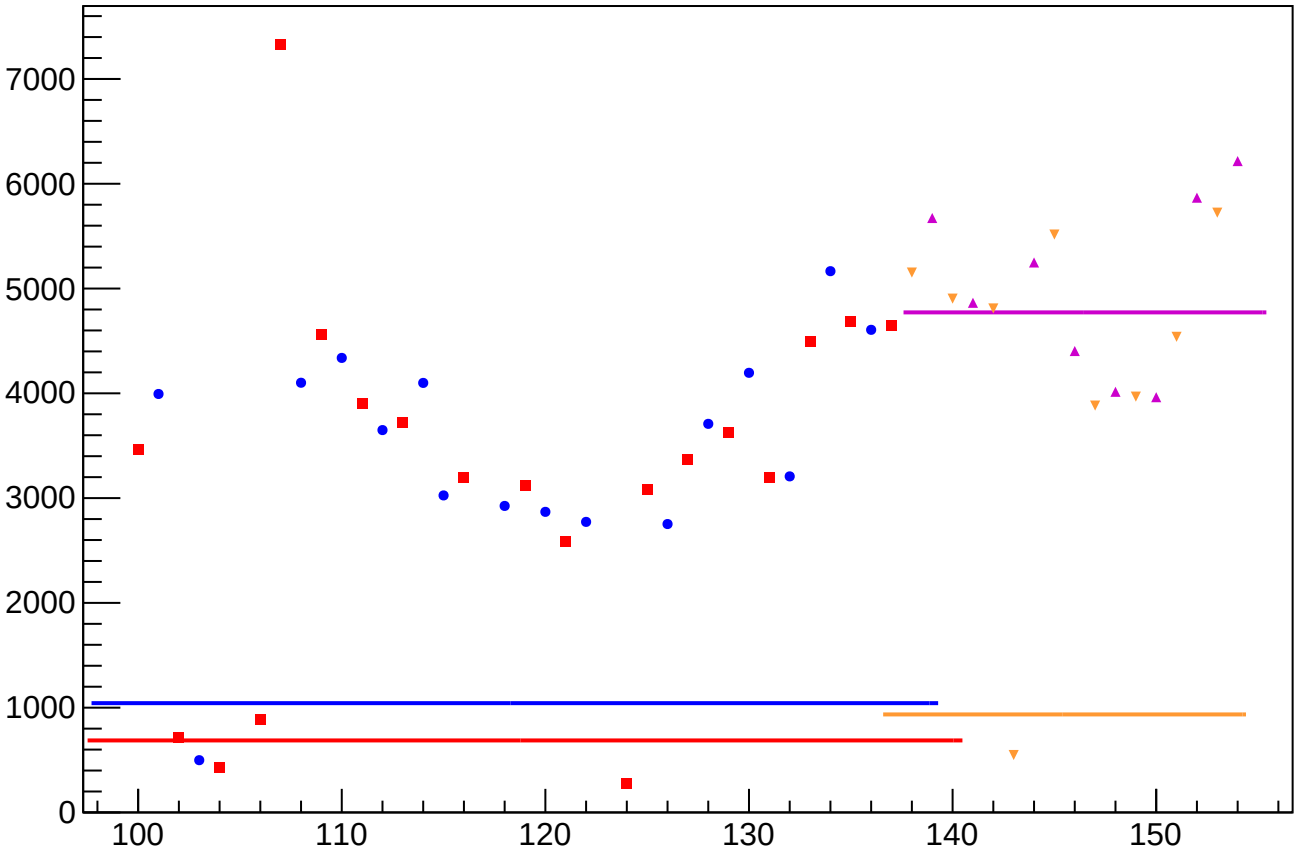
Left: -692.514+/-553.499 χ^2/NDF: 16.4/16

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 206.208+/-562.932 χ^2/NDF:19.7/23

Out: 53.772+/-342.843 χ^2/NDF:34.1/27

All: 95.015+/-292.813 χ^2/NDF: 53.8/51



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: 4772.383+/-1.294 χ^2/NDF:359453.3/7

Left: 1286.418+/-0.391 χ^2/NDF: 17058819.4/16

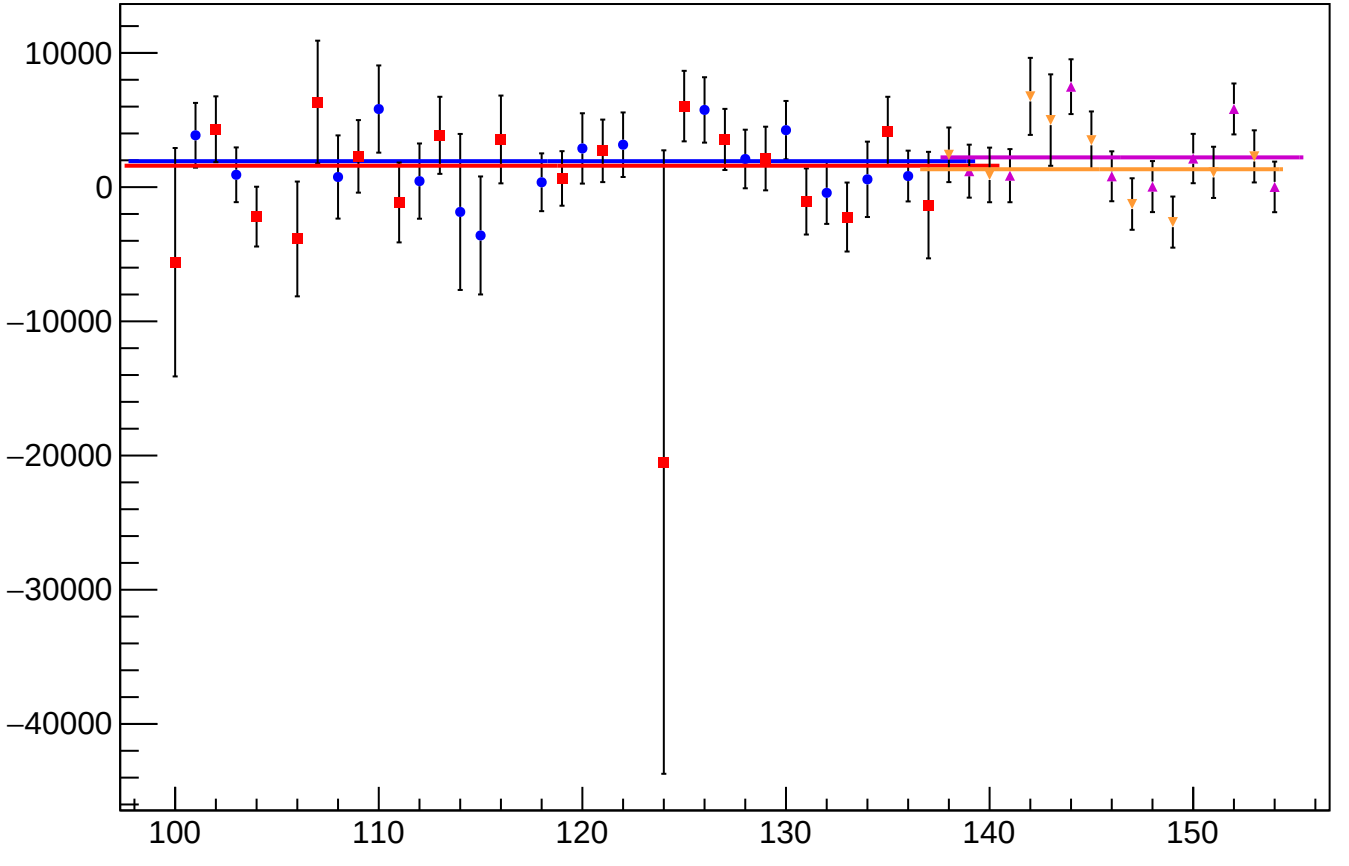
Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1395.860+/-0.398 χ^2/NDF:15988377.9/23

Out: 773.859+/-0.242 χ^2/NDF:17584476.5/27

All: 942.149+/-0.207 χ^2/NDF: 35353952.1/51

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: 2217.220+/-678.447 χ^2/NDF:14.3/7

Left: 1794.267+/-489.902 χ^2/NDF: 27.5/16

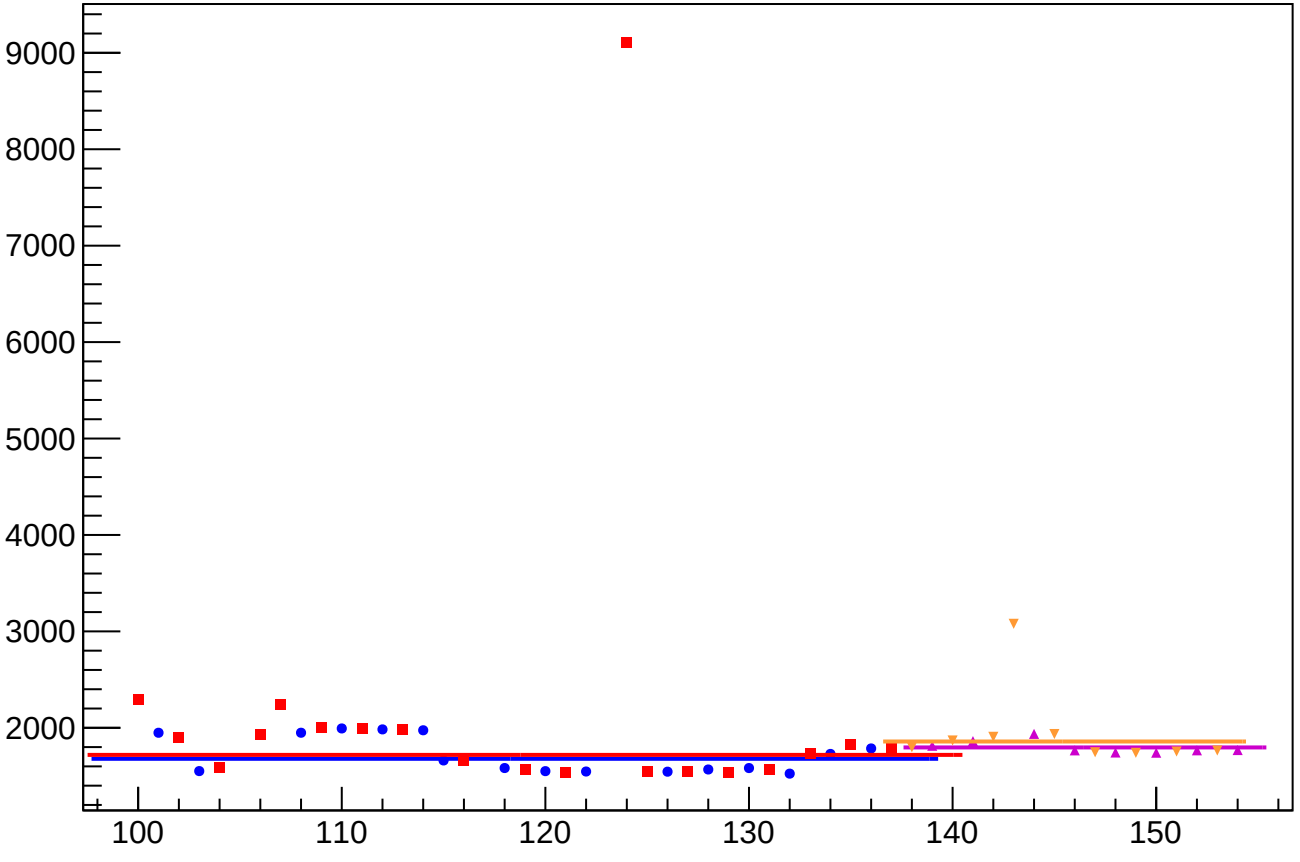
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2065.131+/-460.817 χ^2/NDF:25.2/23

Out: 1477.258+/-475.722 χ^2/NDF:31.9/27

All: 1780.548+/-330.991 χ^2/NDF: 57.9/51

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: 1796.394+/-0.480 χ^2/NDF:16555.7/7

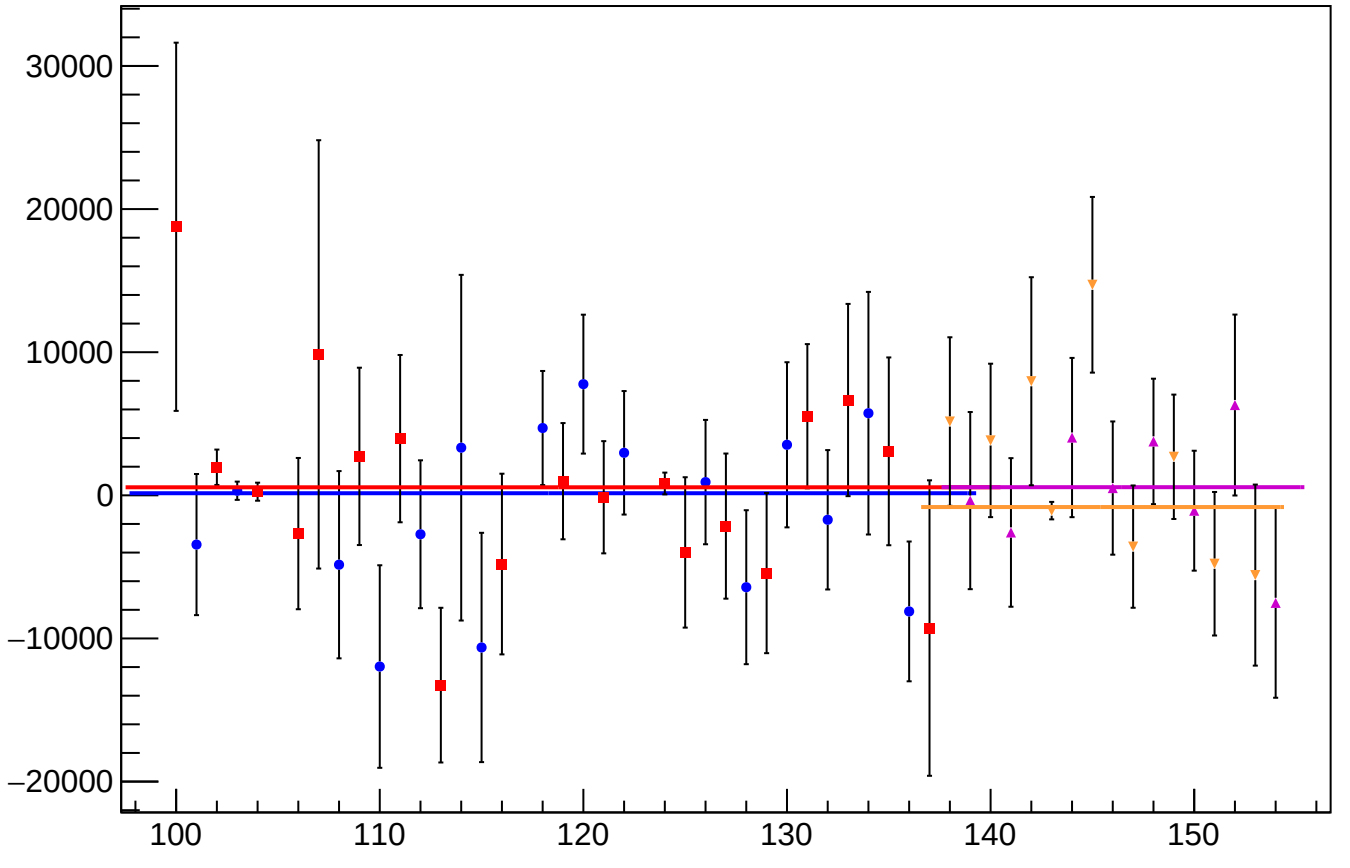
Left: 1825.882+/-0.346 χ^2/NDF: 310871.9/16

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1732.913+/-0.326 χ^2/NDF:190545.5/23

Out: 1781.520+/-0.336 χ^2/NDF:713703.7/27

All: 1756.500+/-0.234 χ^2/NDF: 915047.4/51



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: 569.378+/-1830.366 χ^2/NDF:3.8/7

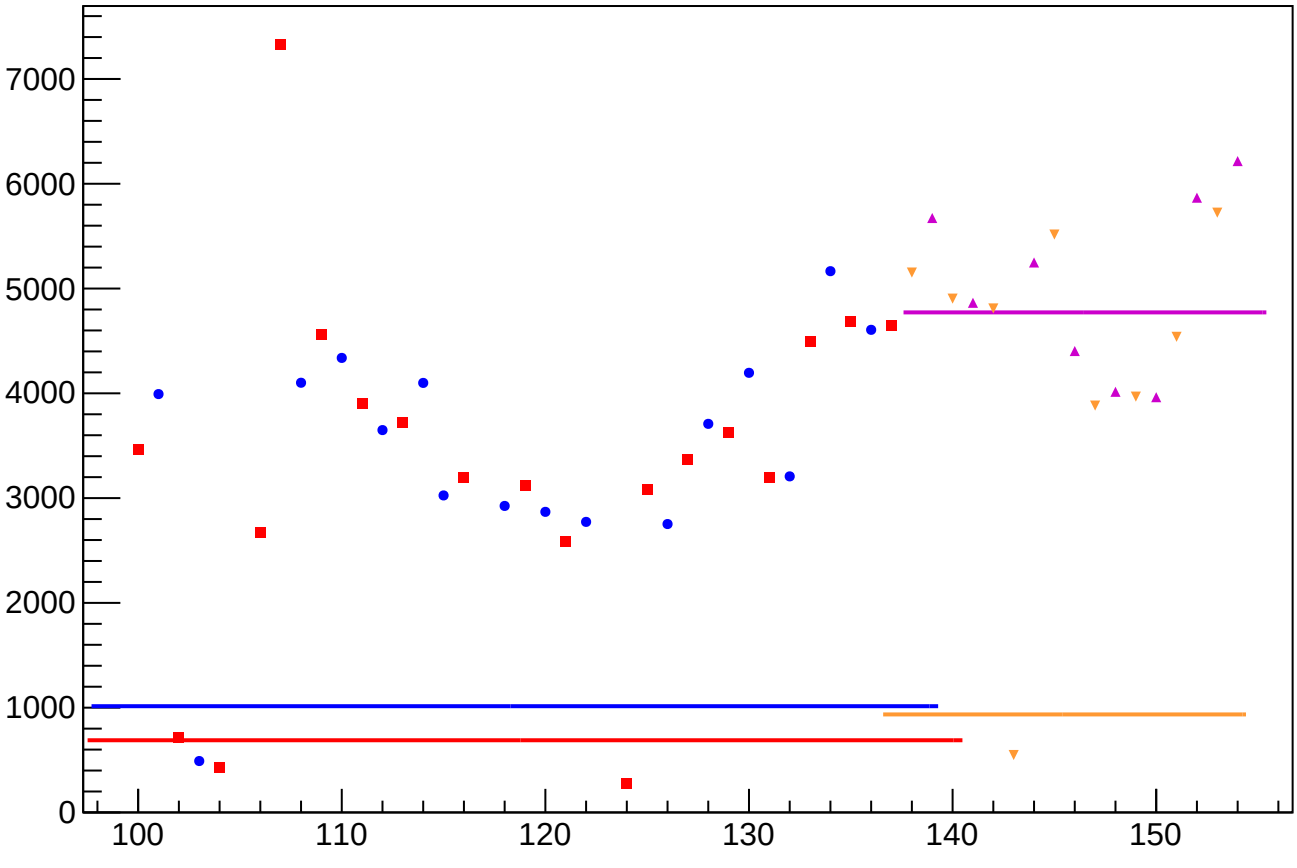
Left: -692.194+/-553.480 χ^2/NDF: 16.4/16

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 185.053+/-552.347 χ^2/NDF:19.6/23

Out: 71.575+/-345.886 χ^2/NDF:32.9/27

All: 103.539+/-293.151 χ^2/NDF: 52.6/51



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: 4772.376+/-1.294 χ^2/NDF:359460.0/7

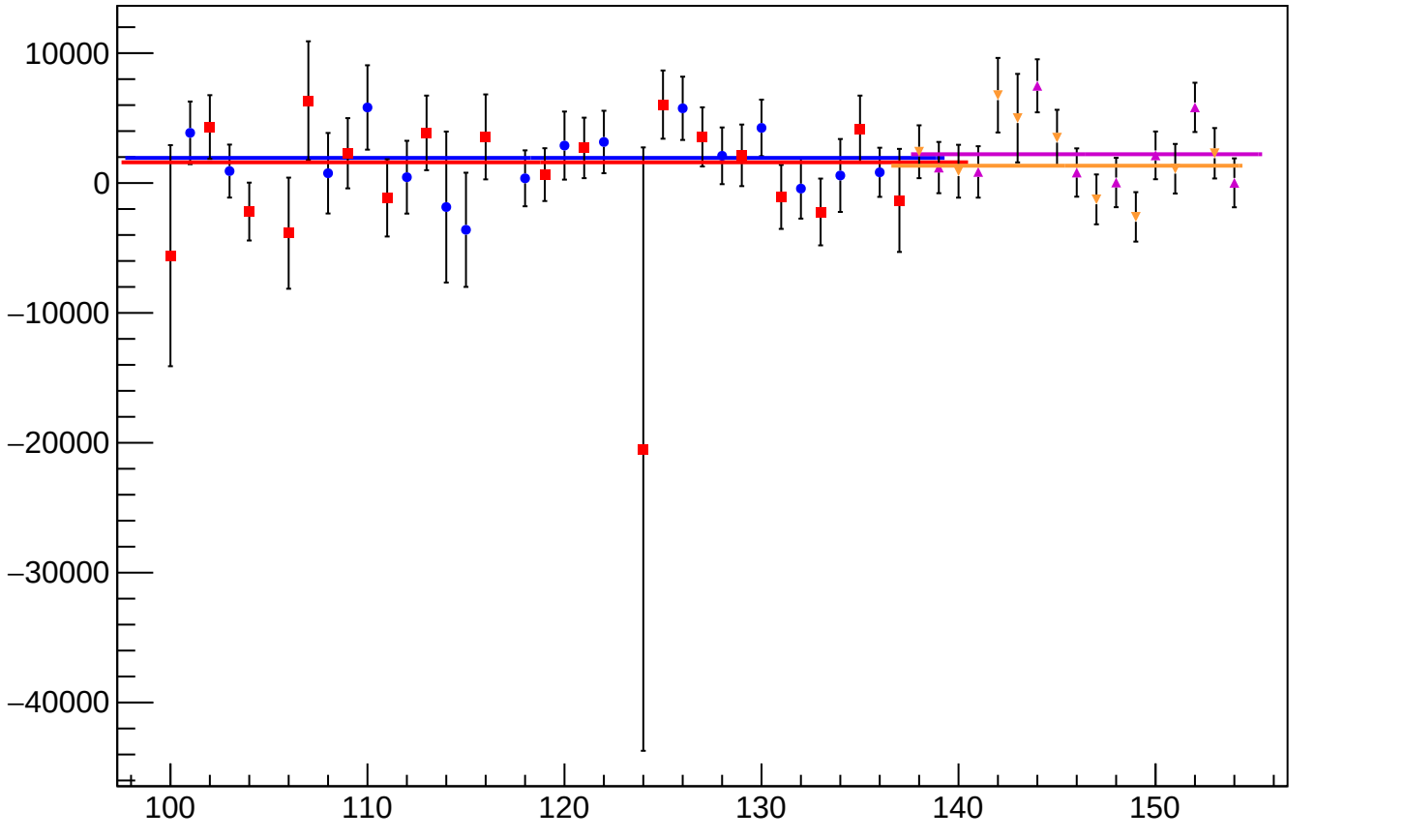
Left: 1286.350+/-0.391 χ^2/NDF: 17059232.5/16

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1356.340+/-0.391 χ^2/NDF:16246660.0/23

Out: 776.505+/-0.245 χ^2/NDF:17857850.3/27

All: 939.834+/-0.207 χ^2/NDF: 35687694.4/51



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: 2217.220+/-678.447 χ^2/NDF:14.3/7

Left: 1794.267+/-489.902 χ^2/NDF: 27.5/16

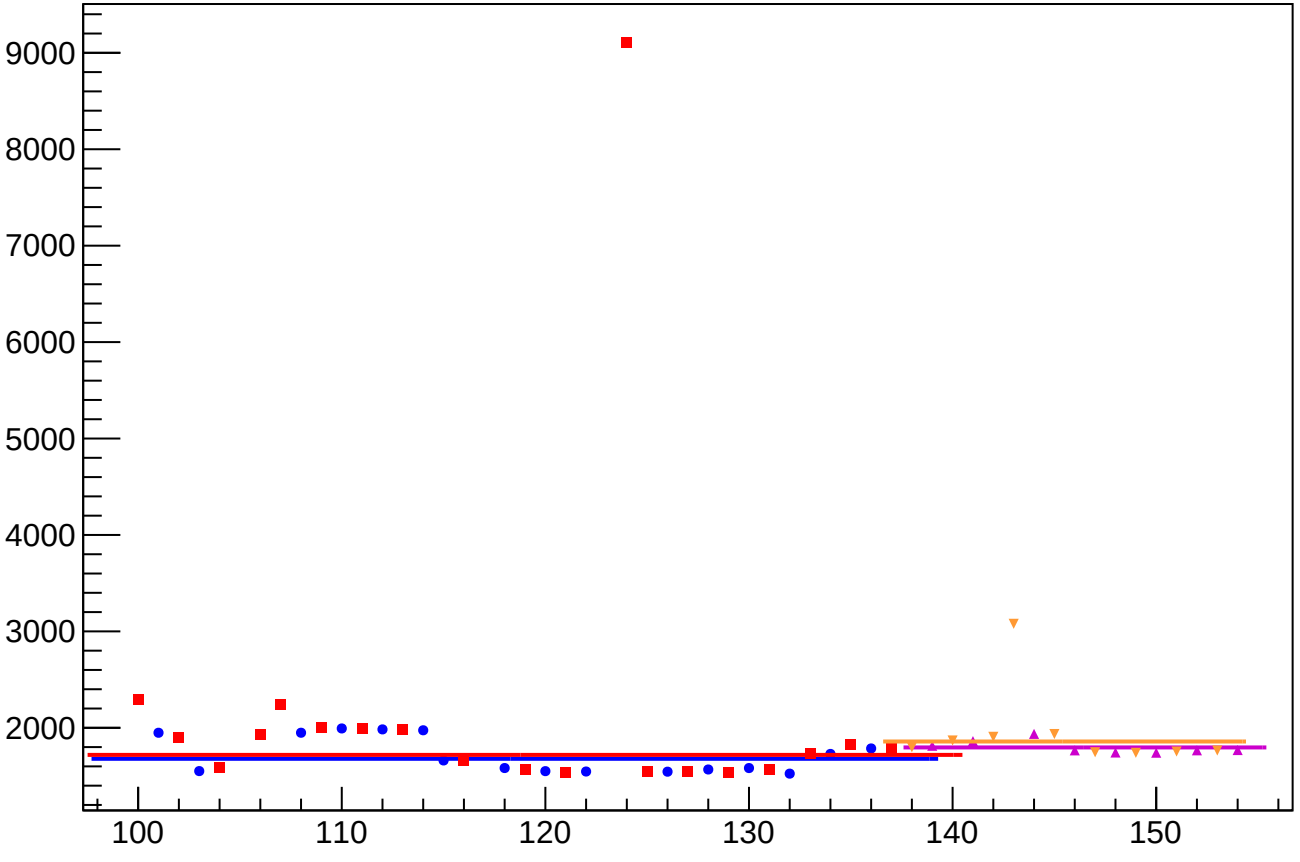
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2065.131+/-460.817 χ^2/NDF:25.2/23

Out: 1477.258+/-475.722 χ^2/NDF:31.9/27

All: 1780.548+/-330.991 χ^2/NDF: 57.9/51

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: 1796.394+/-0.480 χ^2/NDF:16555.7/7

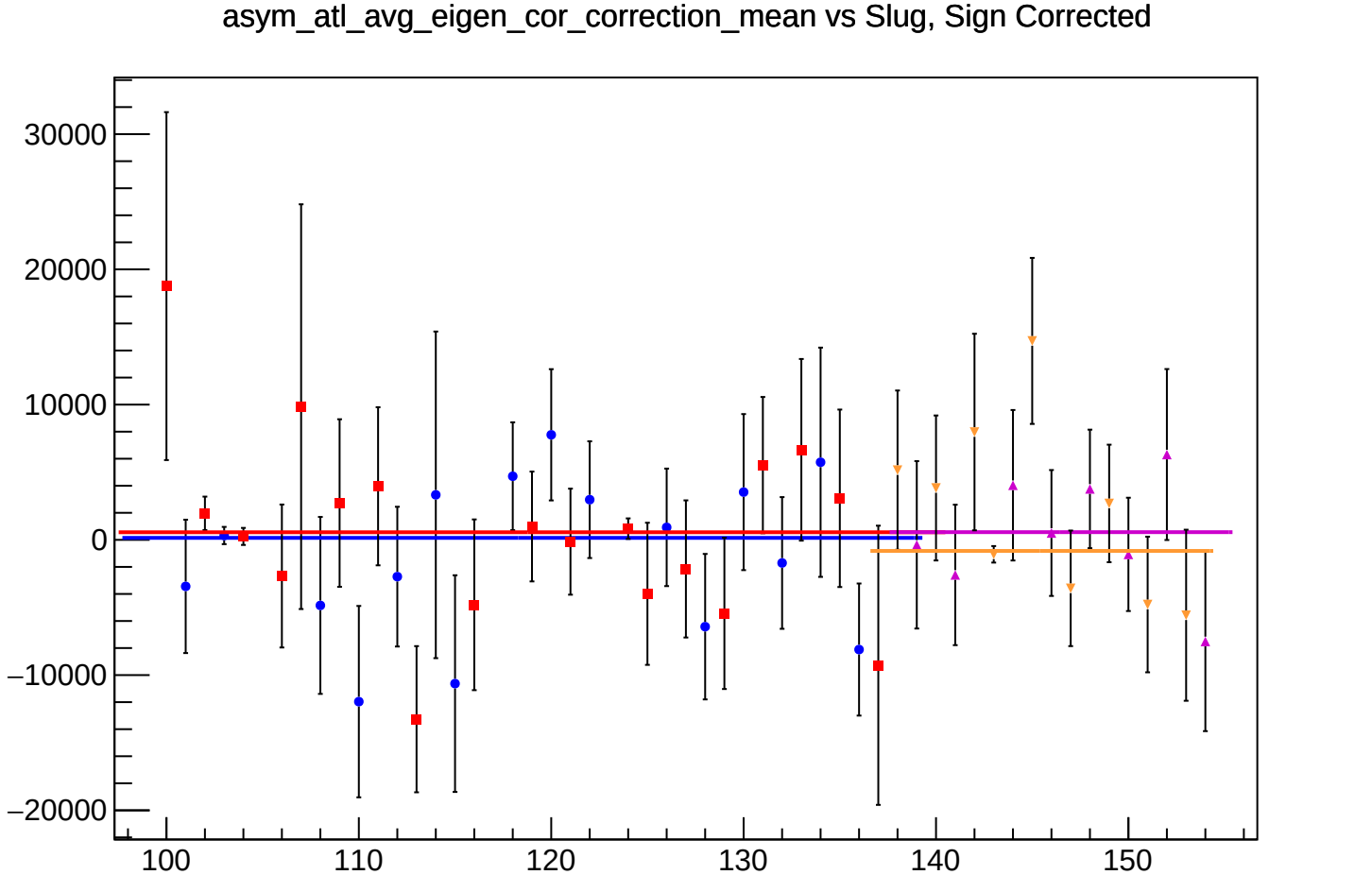
Left: 1825.882+/-0.346 χ^2/NDF: 310871.9/16

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1732.913+/-0.326 χ^2/NDF:190545.5/23

Out: 1781.520+/-0.336 χ^2/NDF:713703.7/27

All: 1756.500+/-0.234 χ^2/NDF: 915047.4/51



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: 569.378+/-1830.366 χ^2/NDF:3.8/7

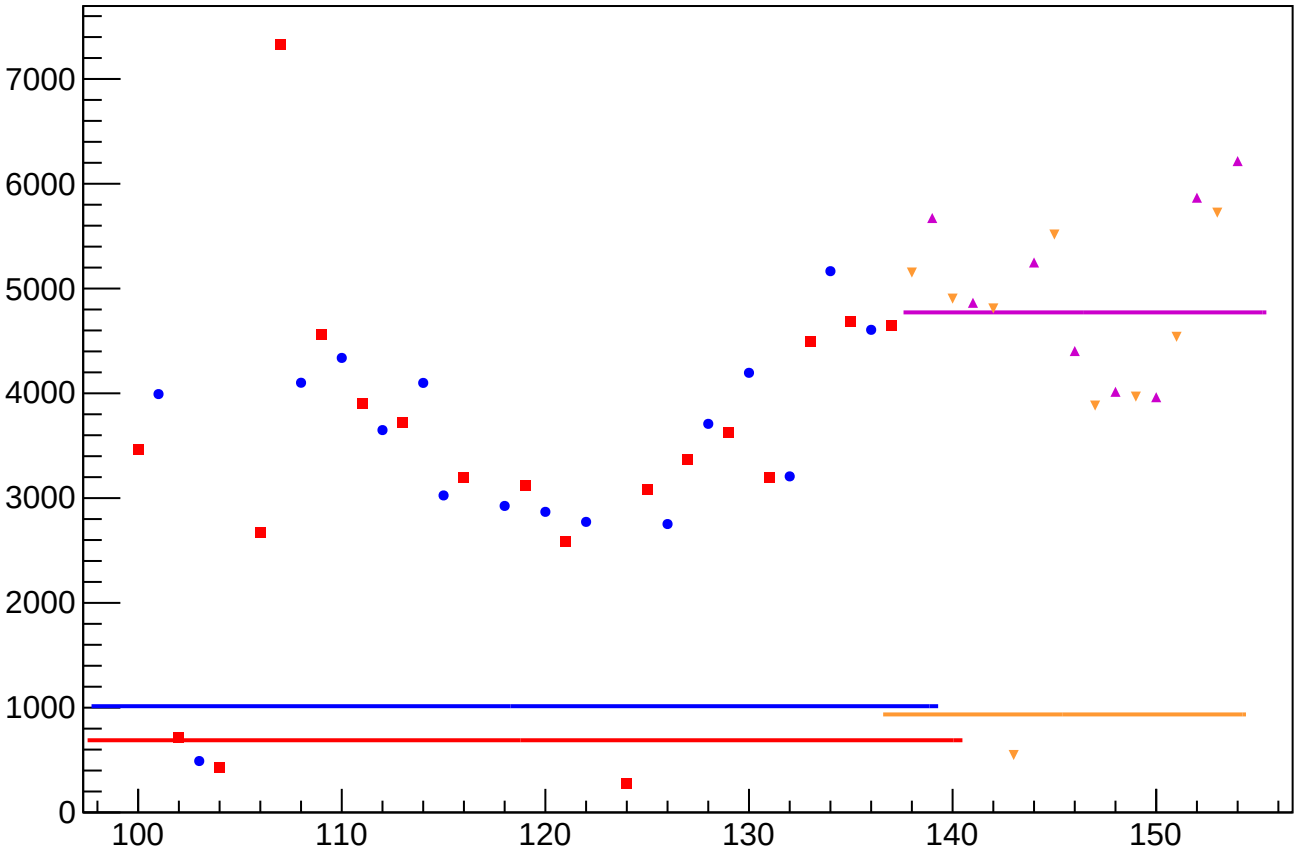
Left: -692.194+/-553.480 χ^2/NDF: 16.4/16

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 185.053+/-552.347 χ^2/NDF:19.6/23

Out: 71.575+/-345.886 χ^2/NDF:32.9/27

All: 103.539+/-293.151 χ^2/NDF: 52.6/51



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: 4772.376+/-1.294 χ^2/NDF:359460.0/7

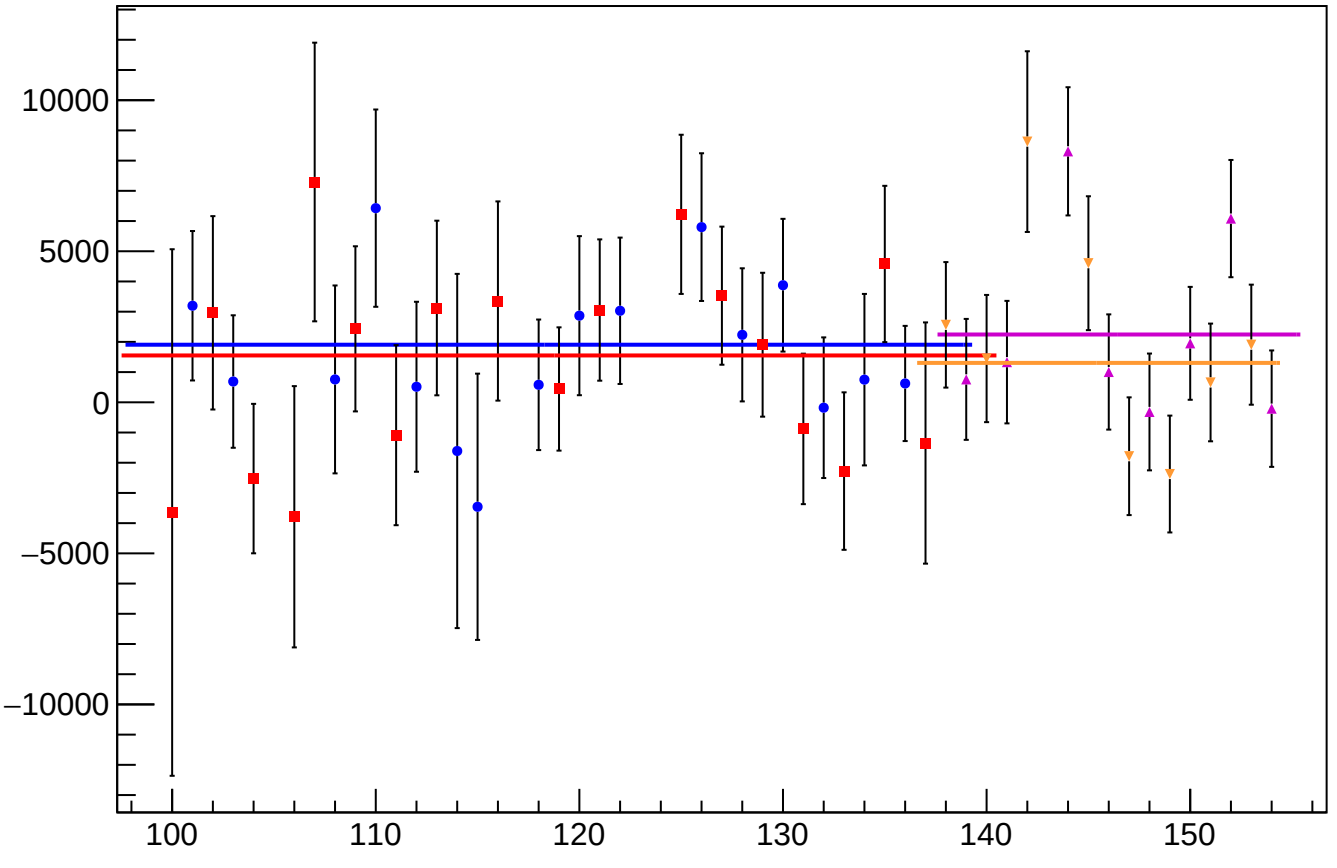
Left: 1286.350+/-0.391 χ^2/NDF: 17059232.5/16

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1356.340+/-0.391 χ^2/NDF:16246660.0/23

Out: 776.505+/-0.245 χ^2/NDF:17857850.3/27

All: 939.834+/-0.207 χ^2/NDF: 35687694.4/51



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: 2244.514+/-693.578 χ^2/NDF:16.7/7

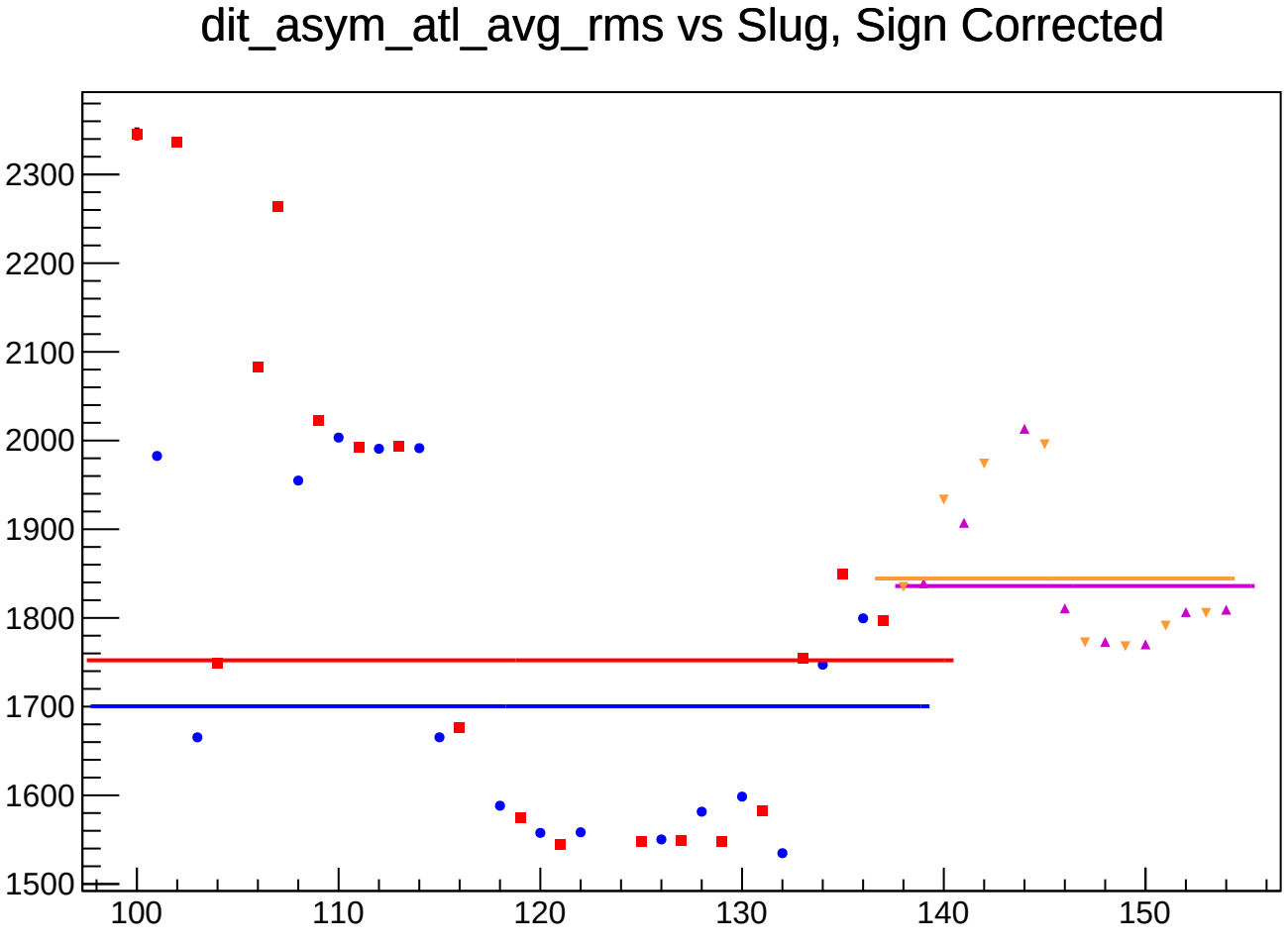
Left: 1805.785+/-506.436 χ^2/NDF: 32.4/15

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2060.851+/-468.929 χ^2/NDF:27.0/23

Out: 1441.888+/-493.350 χ^2/NDF:32.4/25

All: 1767.067+/-339.889 χ^2/NDF: 60.3/49



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: 1835.959+/-0.490 χ^2/NDF:22233.4/7

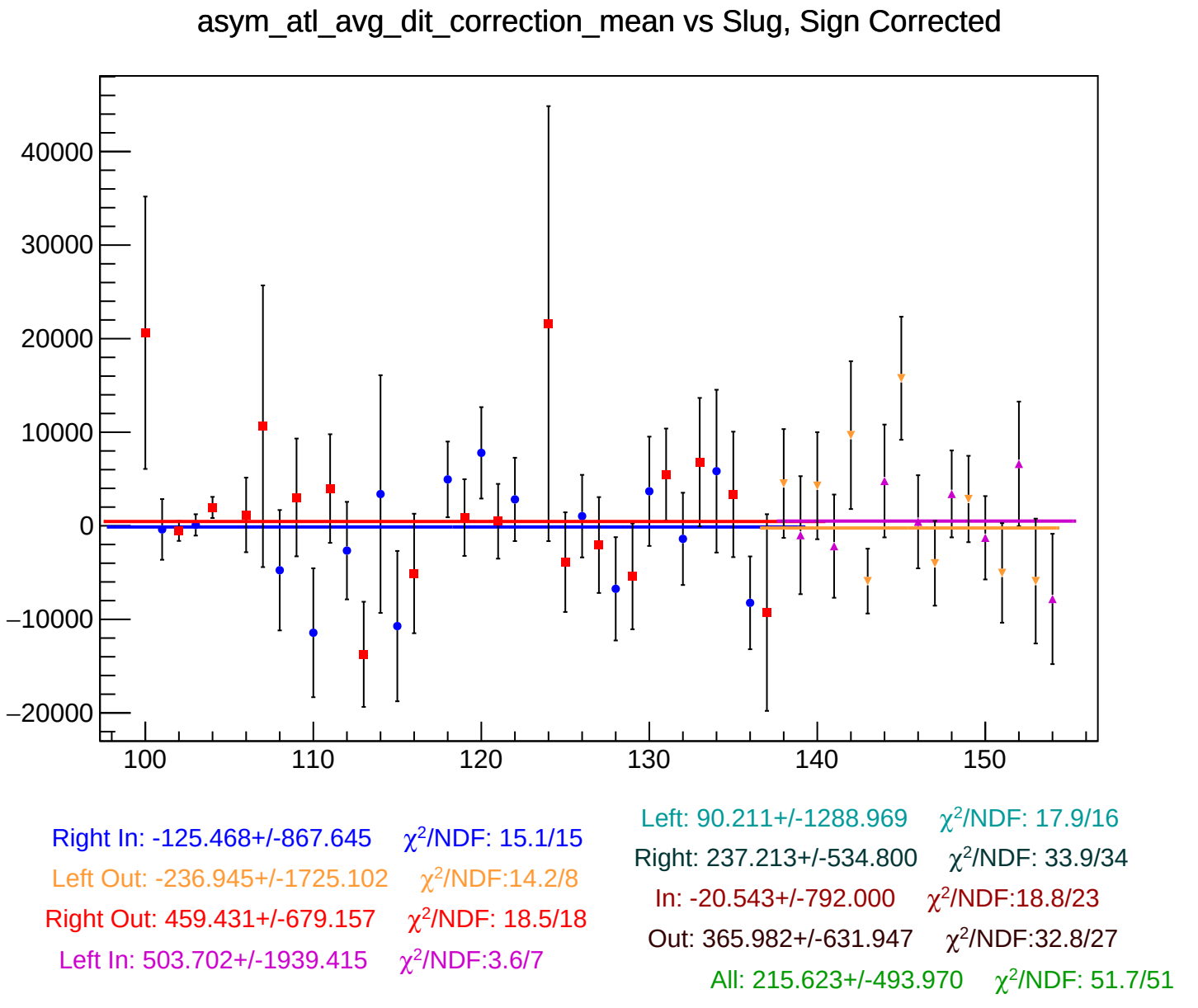
Left: 1839.900+/-0.358 χ^2/NDF: 47166.1/15

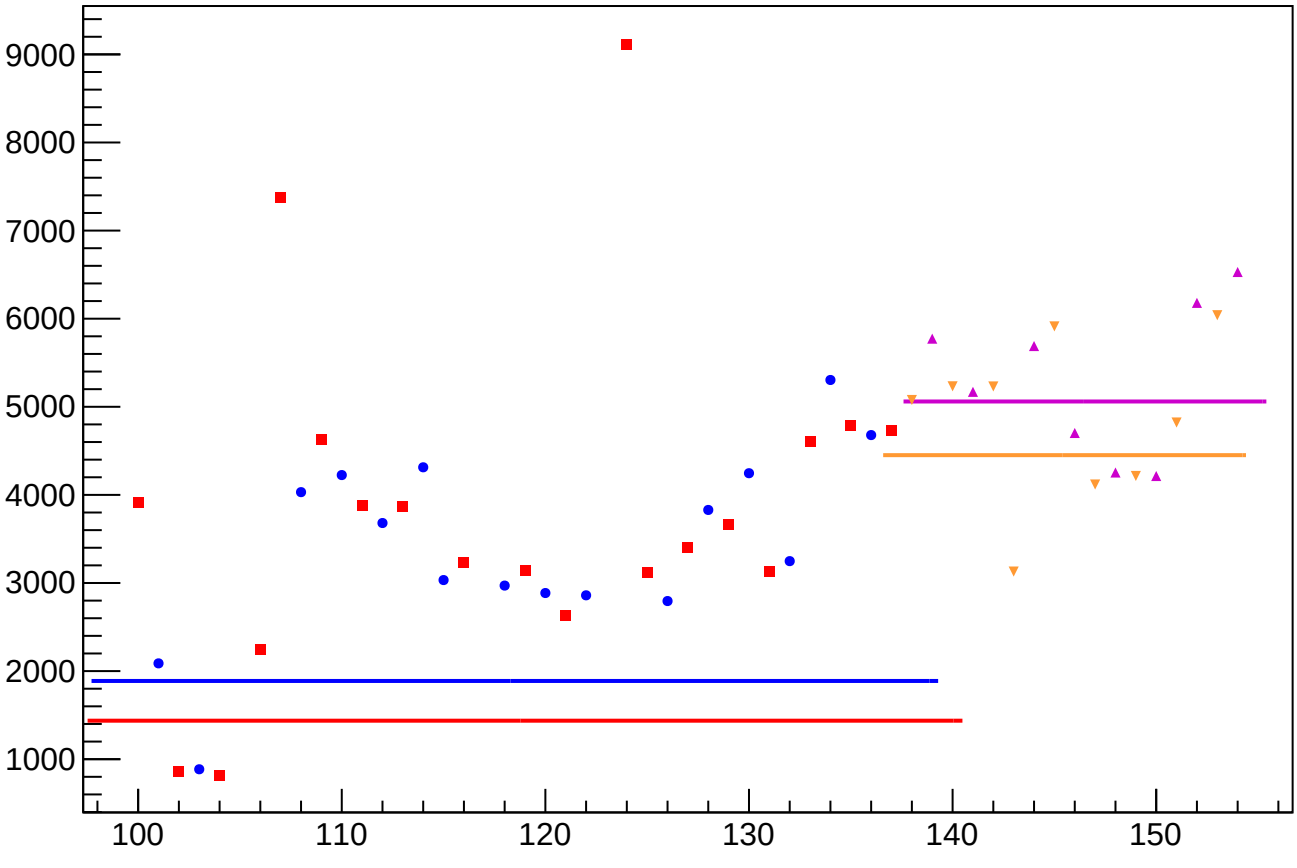
Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1762.343+/-0.332 χ^2/NDF:199155.8/23

Out: 1792.965+/-0.348 χ^2/NDF:290003.9/25

All: 1776.896+/-0.240 χ^2/NDF: 493213.2/49


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -125.468+/-867.645 χ²/NDF: 15.1/15
Left Out: -236.945+/-1725.102 χ²/NDF:14.2/8
Right Out: 459.431+/-679.157 χ²/NDF: 18.5/18
Left In: 503.702+/-1939.415 χ²/NDF:3.6/7
Left: 90.211+/-1288.969 χ²/NDF: 17.9/16
Right: 237.213+/-534.800 χ²/NDF: 33.9/34
In: -20.543+/-792.000 χ²/NDF:18.8/23
Out: 365.982+/-631.947 χ²/NDF:32.8/27
All: 215.623+/-493.970 χ²/NDF: 51.7/51



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: 5060.200+/-1.371 χ^2/NDF:336514.1/7

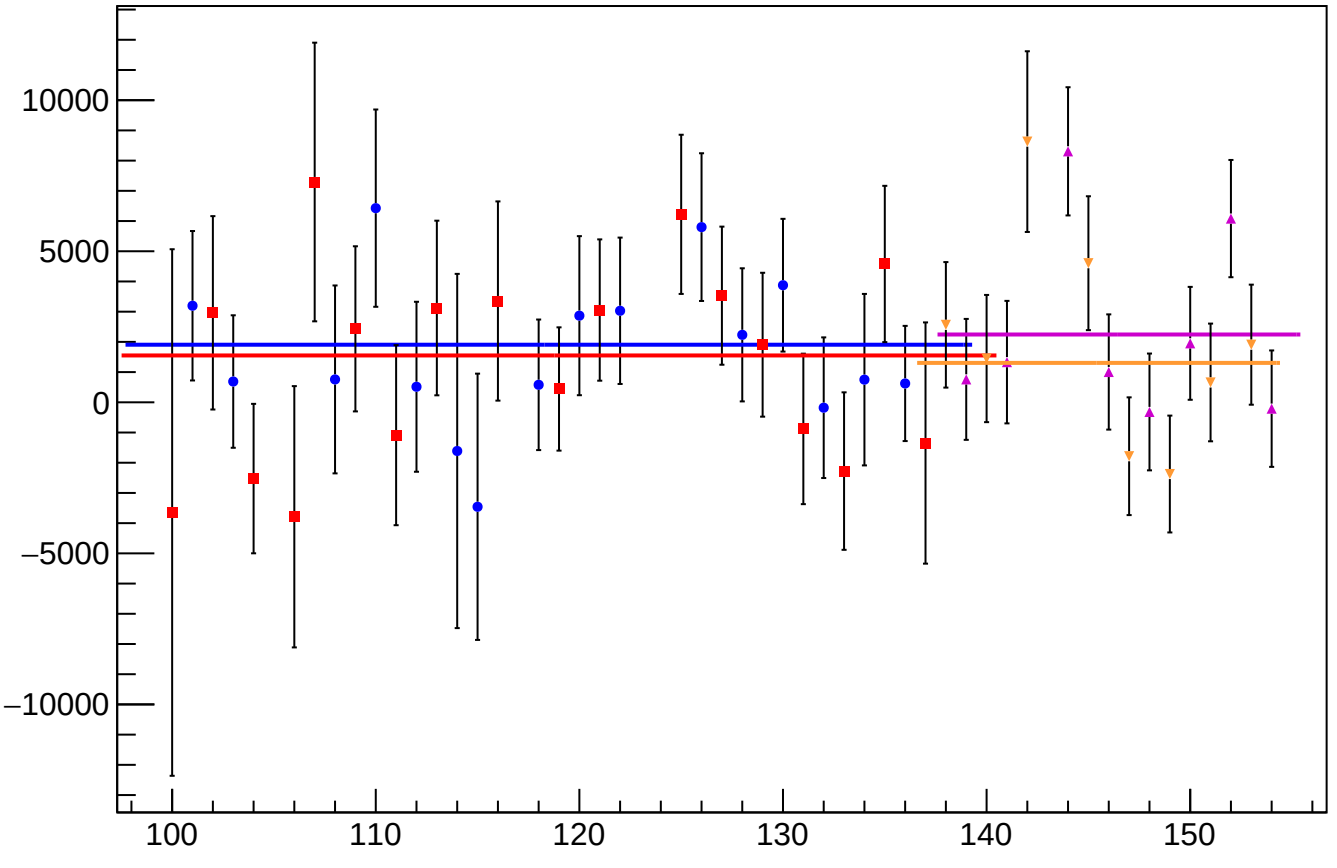
Left: 4720.097+/-0.911 χ^2/NDF: 1055395.4/16

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2417.016+/-0.560 χ^2/NDF:9220582.9/23

Out: 1841.553+/-0.447 χ^2/NDF:11858308.2/27

All: 2065.409+/-0.349 χ^2/NDF: 21724032.3/5



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: 2244.514+/-693.579 χ^2/NDF:16.7/7

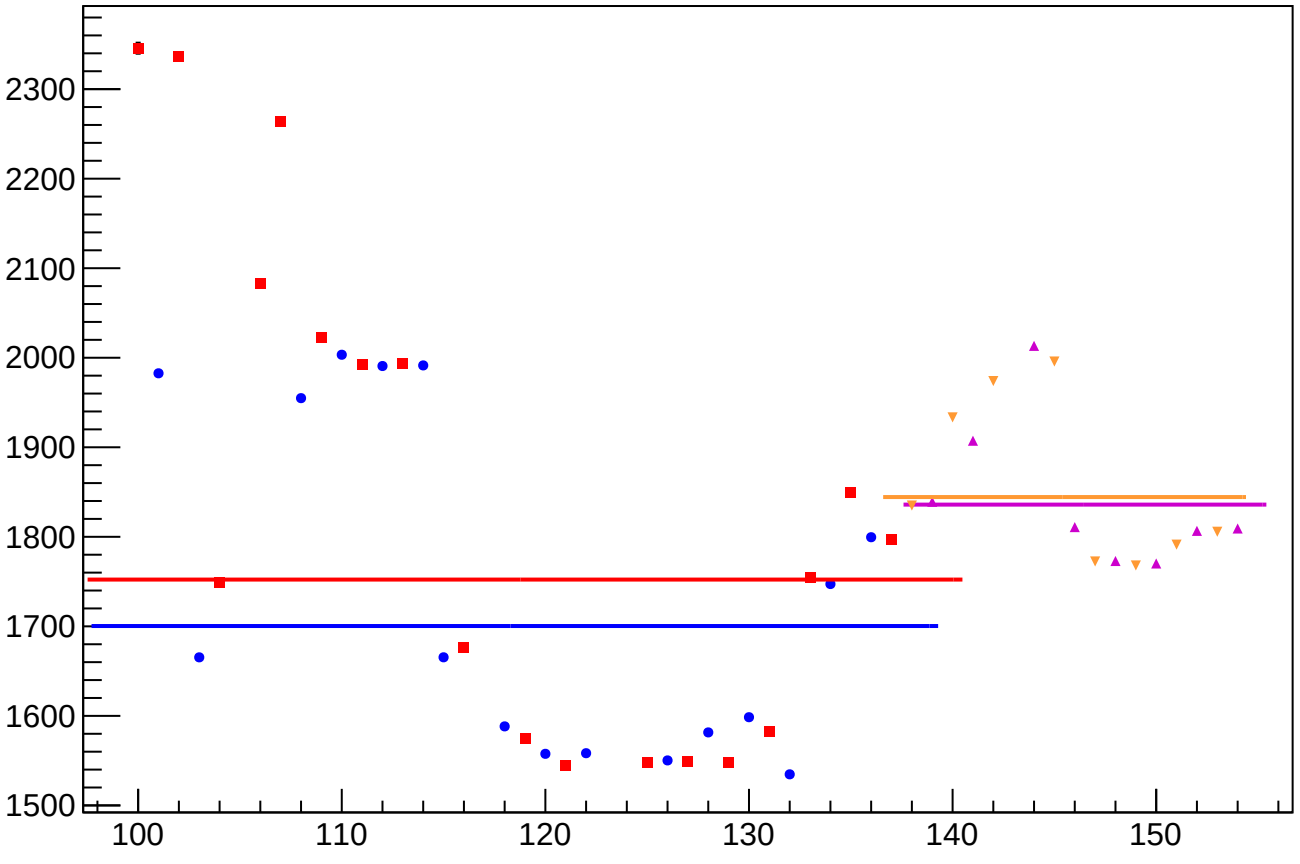
Left: 1805.788+/-506.436 χ^2/NDF: 32.4/15

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2060.850+/-468.930 χ^2/NDF:27.0/23

Out: 1441.889+/-493.350 χ^2/NDF:32.4/25

All: 1767.067+/-339.889 χ^2/NDF: 60.3/49



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: 1835.960+/-0.490 χ^2/NDF:22233.7/7

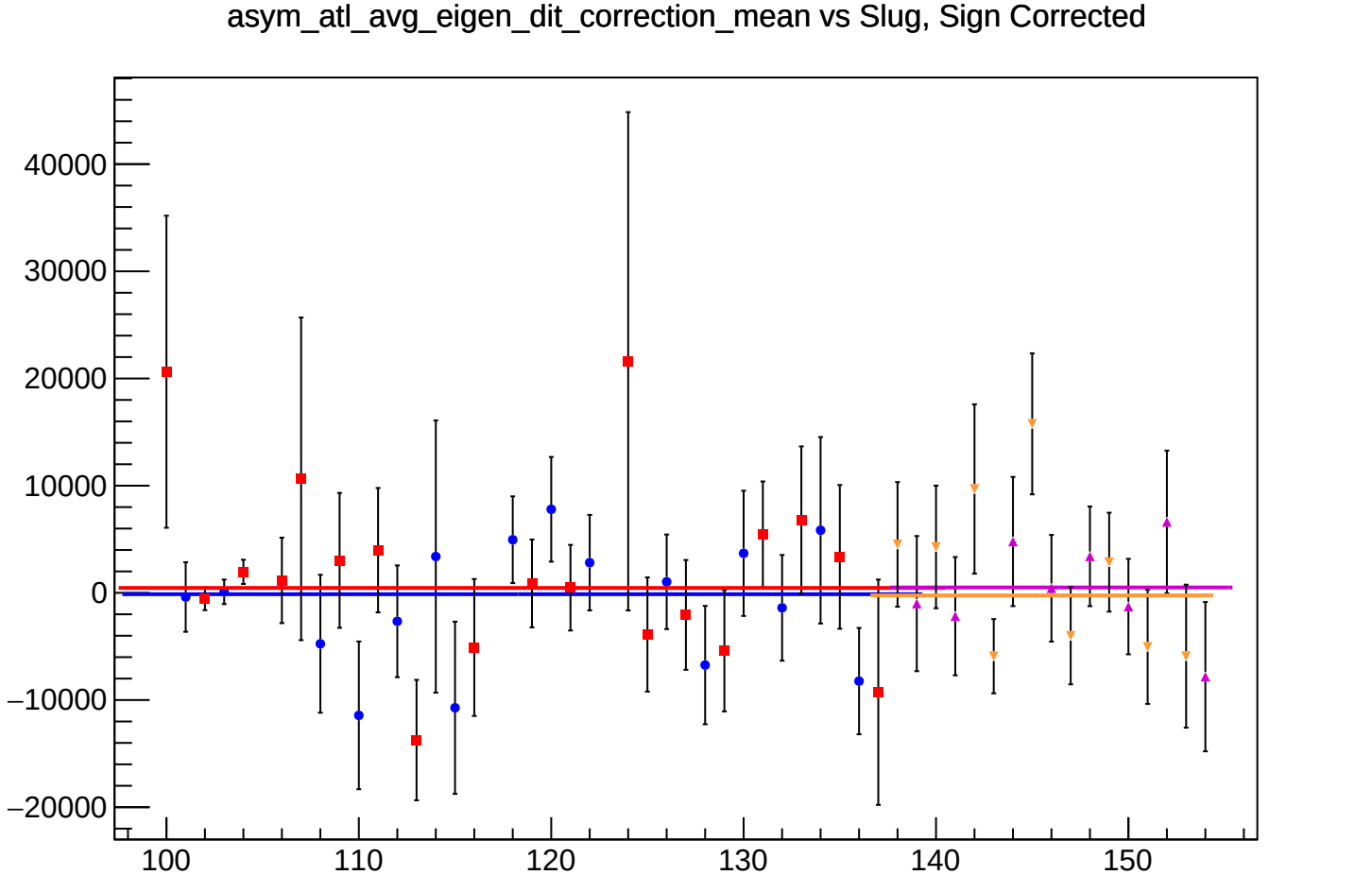
Left: 1839.901+/-0.358 χ^2/NDF: 47166.8/15

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1762.343+/-0.332 χ^2/NDF:199157.2/23

Out: 1792.965+/-0.348 χ^2/NDF:290004.4/25

All: 1776.897+/-0.240 χ^2/NDF: 493215.0/49



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: 503.703+/-1939.417 χ^2/NDF:3.6/7

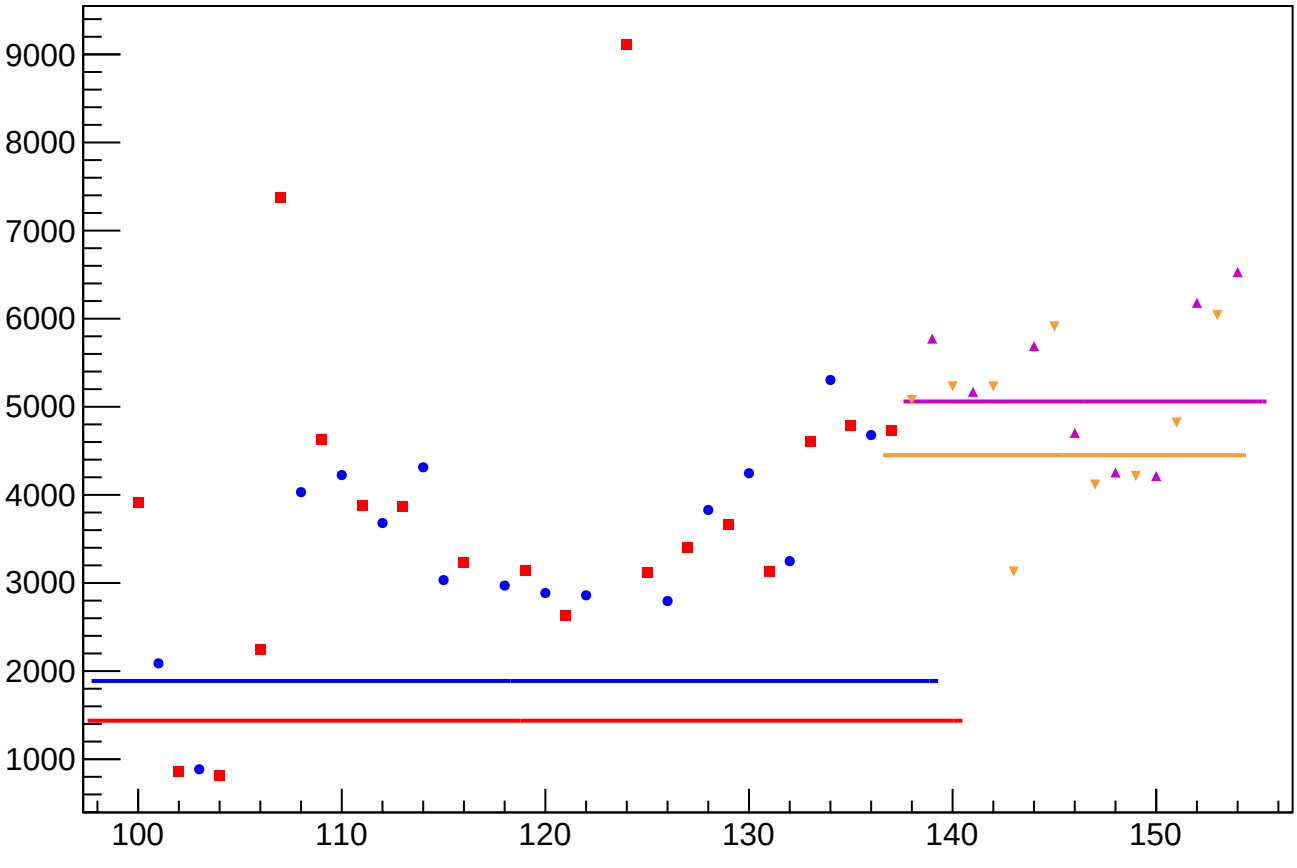
Left: 90.208+/-1288.970 χ^2/NDF: 17.9/16

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -20.541+/-791.996 χ^2/NDF:18.8/23

Out: 365.982+/-631.943 χ^2/NDF:32.8/27

All: 215.624+/-493.967 χ^2/NDF: 51.7/51



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: 5060.206+/-1.371 χ^2/NDF:336517.0/7

Left: 4720.101+/-0.911 χ^2/NDF: 1055403.9/16

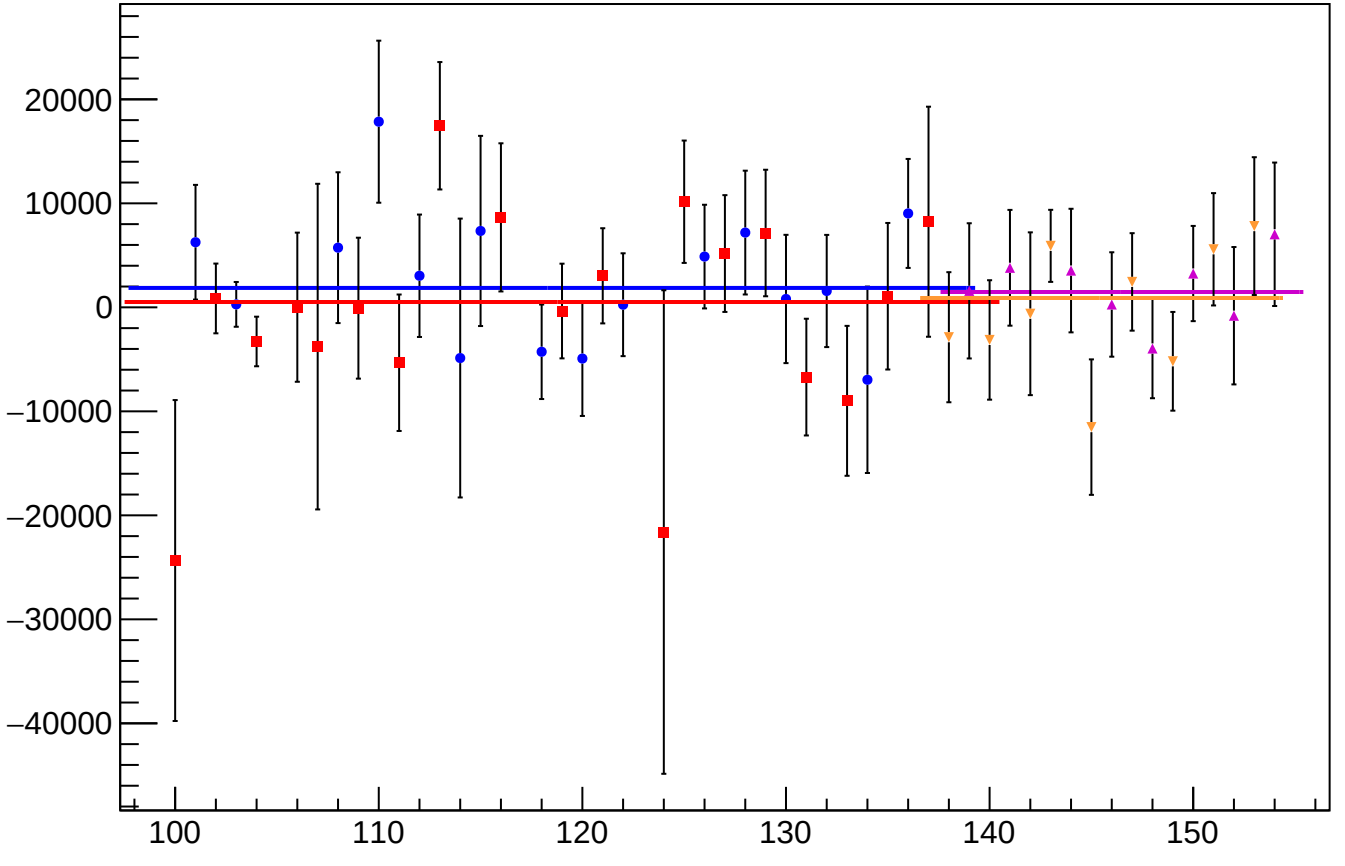
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2416.997+/-0.560 χ^2/NDF:9220685.7/23

Out: 1841.536+/-0.447 χ^2/NDF:11858409.3/27

All: 2065.391+/-0.349 χ^2/NDF: 21724238.0/5

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: 1474.560+/-1963.618 χ^2/NDF:2.6/7

Left: 1153.435+/-1306.946 χ^2/NDF: 12.8/16

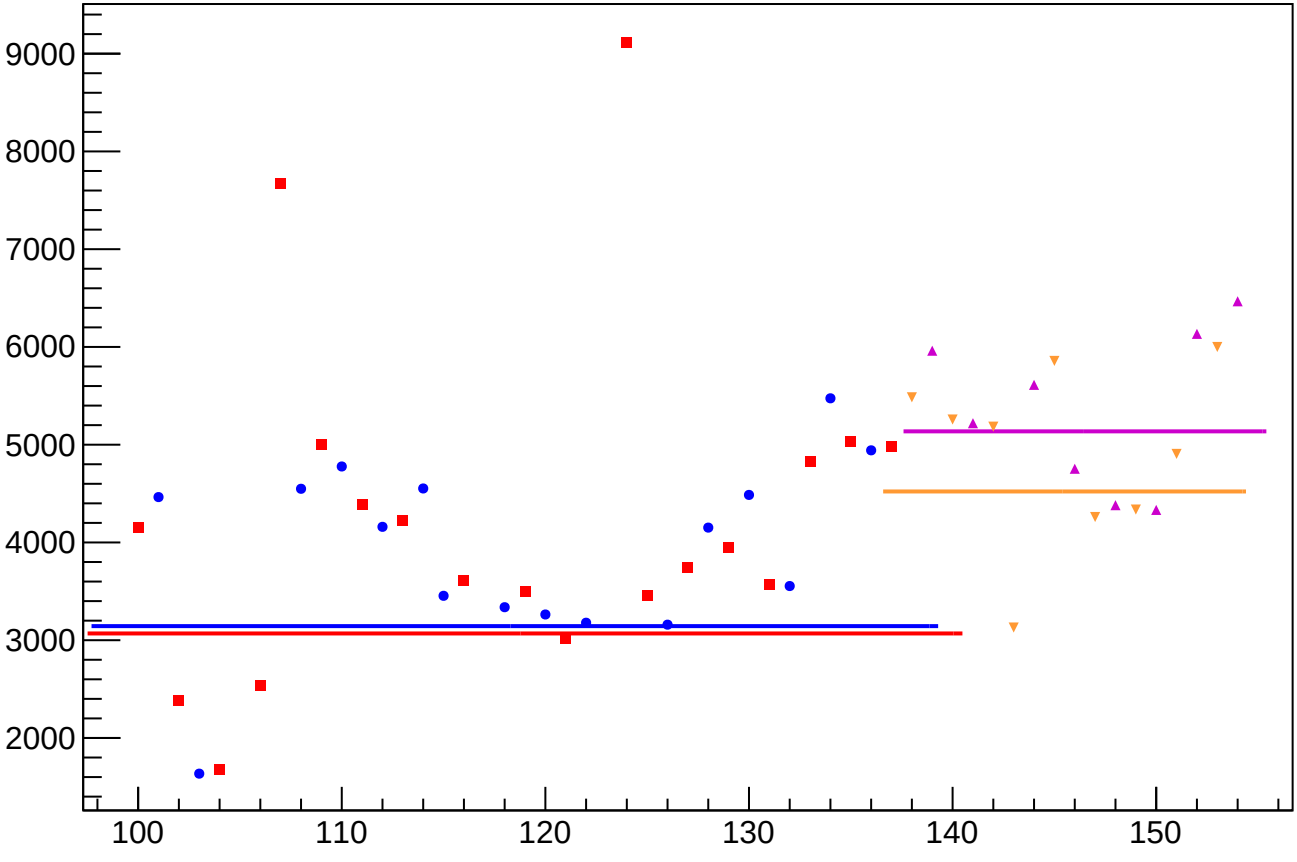
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1752.376+/-1059.971 χ^2/NDF:16.4/23

Out: 641.480+/-1012.805 χ^2/NDF:34.9/27

All: 1171.663+/-732.268 χ^2/NDF: 51.9/51

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: 5136.475+/-1.388 χ^2/NDF:288660.8/7

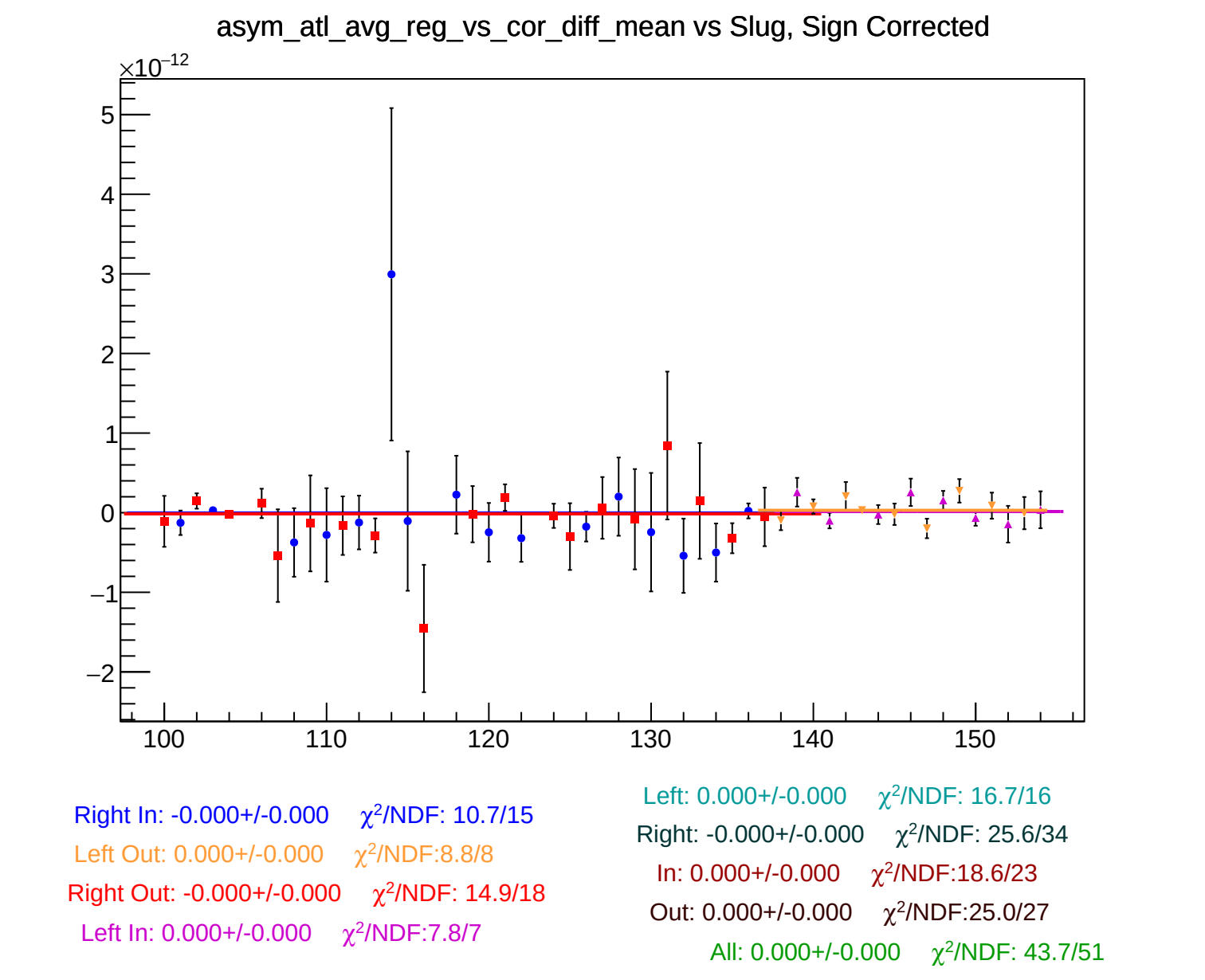
Left: 4793.977+/-0.924 χ^2/NDF: 1018376.3/16

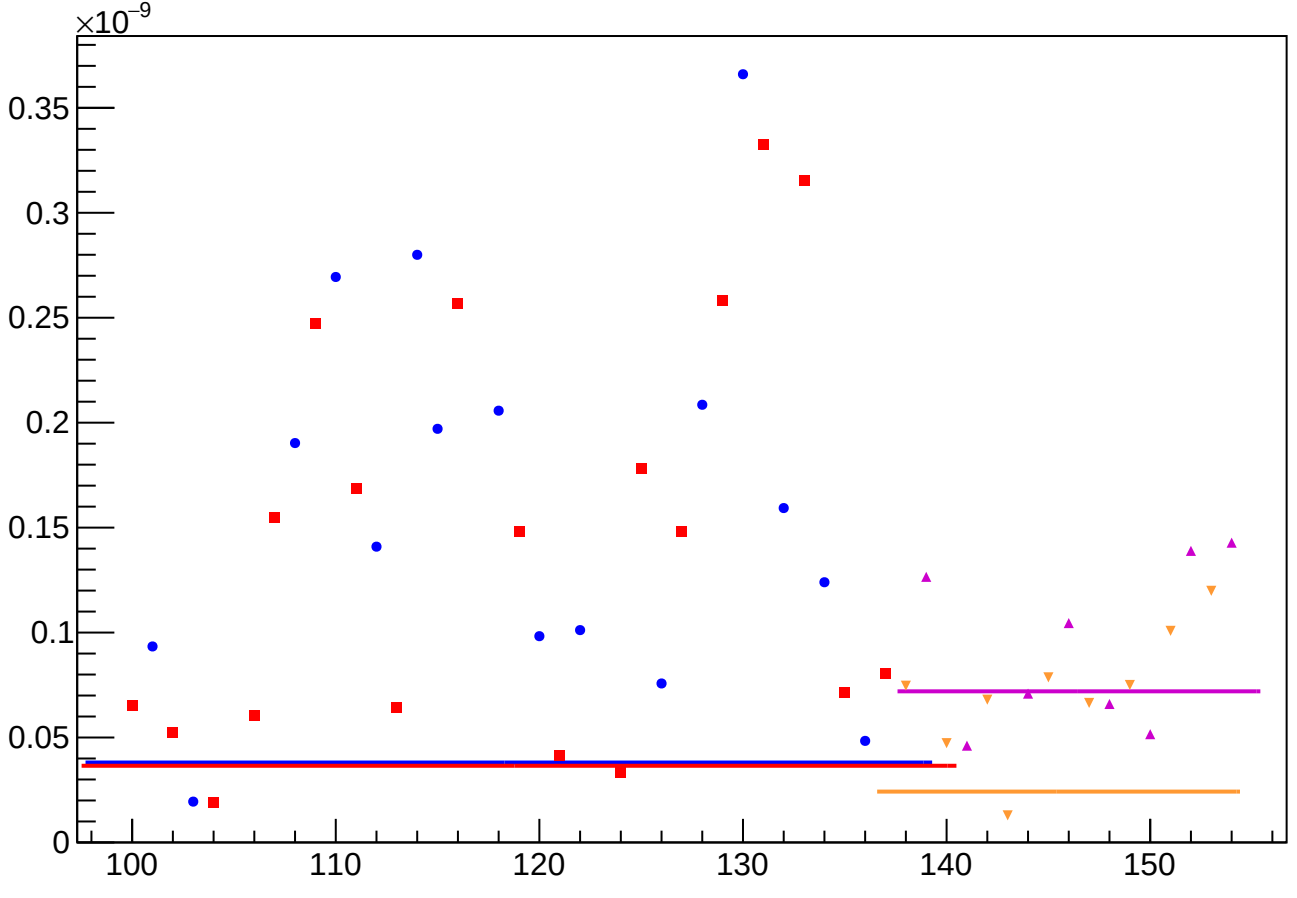
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3724.681+/-0.750 χ^2/NDF:3630784.0/23

Out: 3544.848+/-0.709 χ^2/NDF:3427367.2/27

All: 3629.733+/-0.515 χ^2/NDF: 7088546.1/51


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:8.8/8
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.8/7
Left: 0.000+/-0.000 χ²/NDF: 16.7/16
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: 0.000+/-0.000 χ²/NDF:18.6/23
Out: 0.000+/-0.000 χ²/NDF:25.0/27
All: 0.000+/-0.000 χ²/NDF: 43.7/51



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:842530.6/7

Left: 0.000+/-0.000 χ^2/NDF: 5300011.5/16

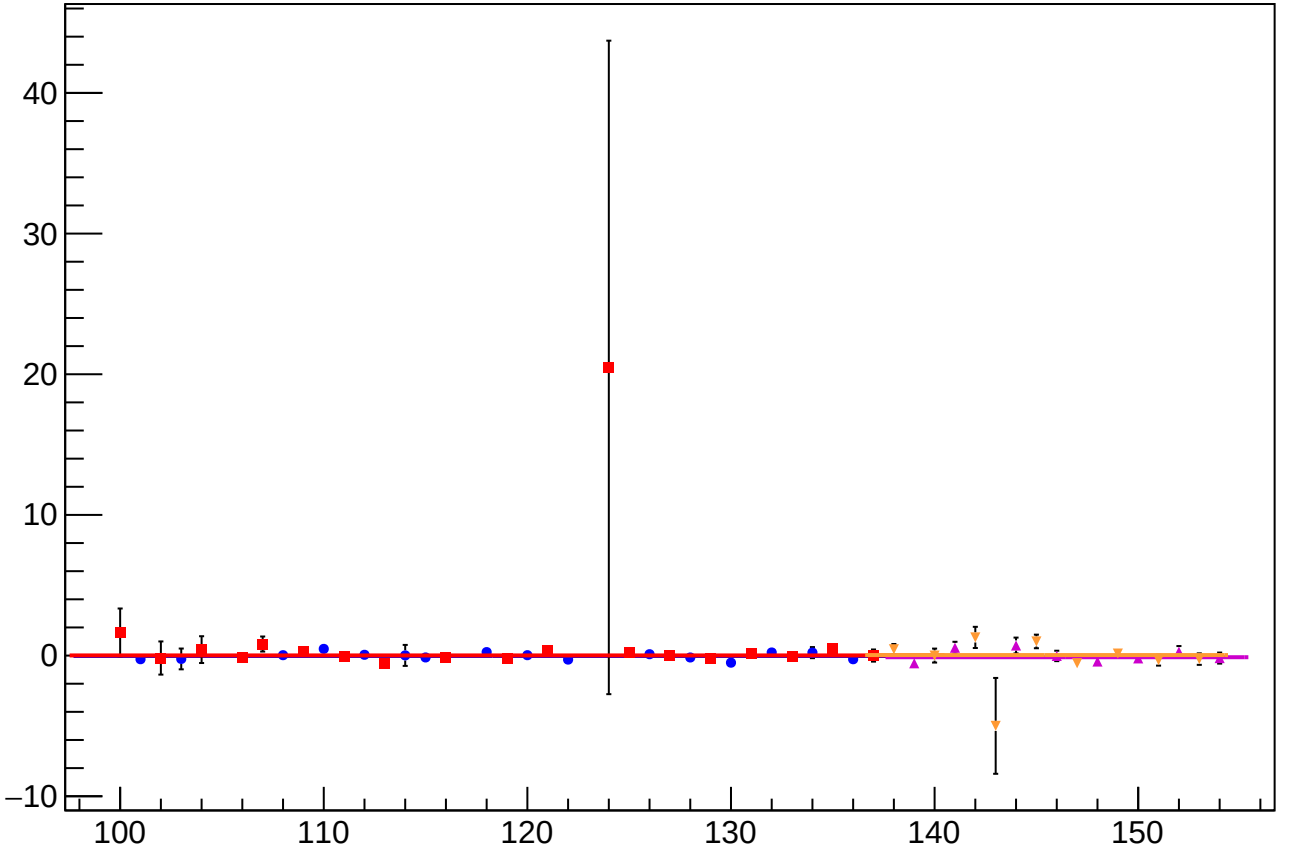
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:4415110.8/23

Out: 0.000+/-0.000 χ^2/NDF:5618986.2/27

All: 0.000+/-0.000 χ^2/NDF: 10931645.2/51

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.037+/-0.144 χ^2/NDF:14.9/8

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.117+/-0.129 χ^2/NDF:9.2/7

Left: -0.048+/-0.096 χ^2/NDF: 24.7/16

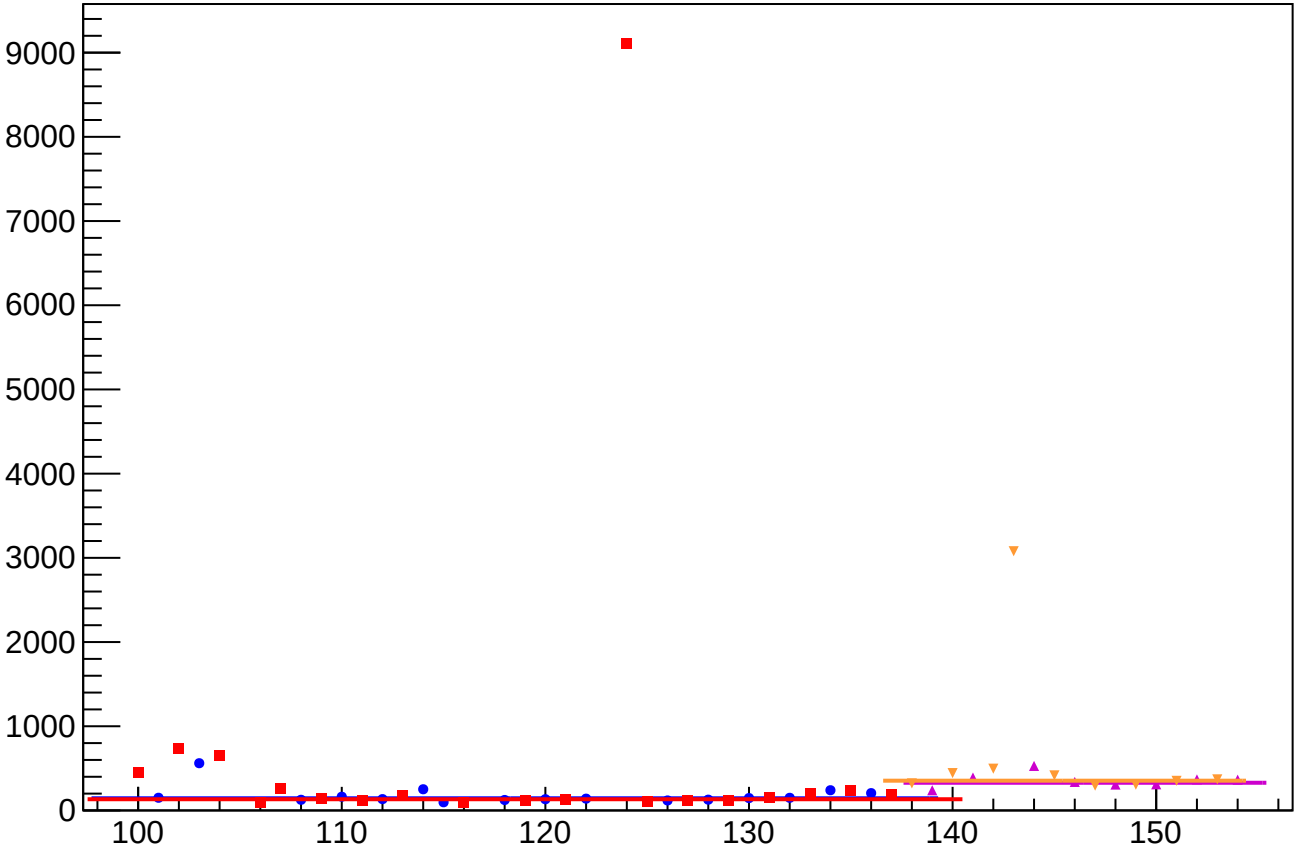
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.053 χ^2/NDF:26.9/23

Out: 0.014+/-0.053 χ^2/NDF:36.7/27

All: -0.015+/-0.037 χ^2/NDF: 64.2/51

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 353.526+/-0.102 χ^2/NDF:1573447.8/8

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 328.871+/-0.091 χ^2/NDF:564456.5/7

Left: 339.836+/-0.068 χ^2/NDF: 2170555.8/16

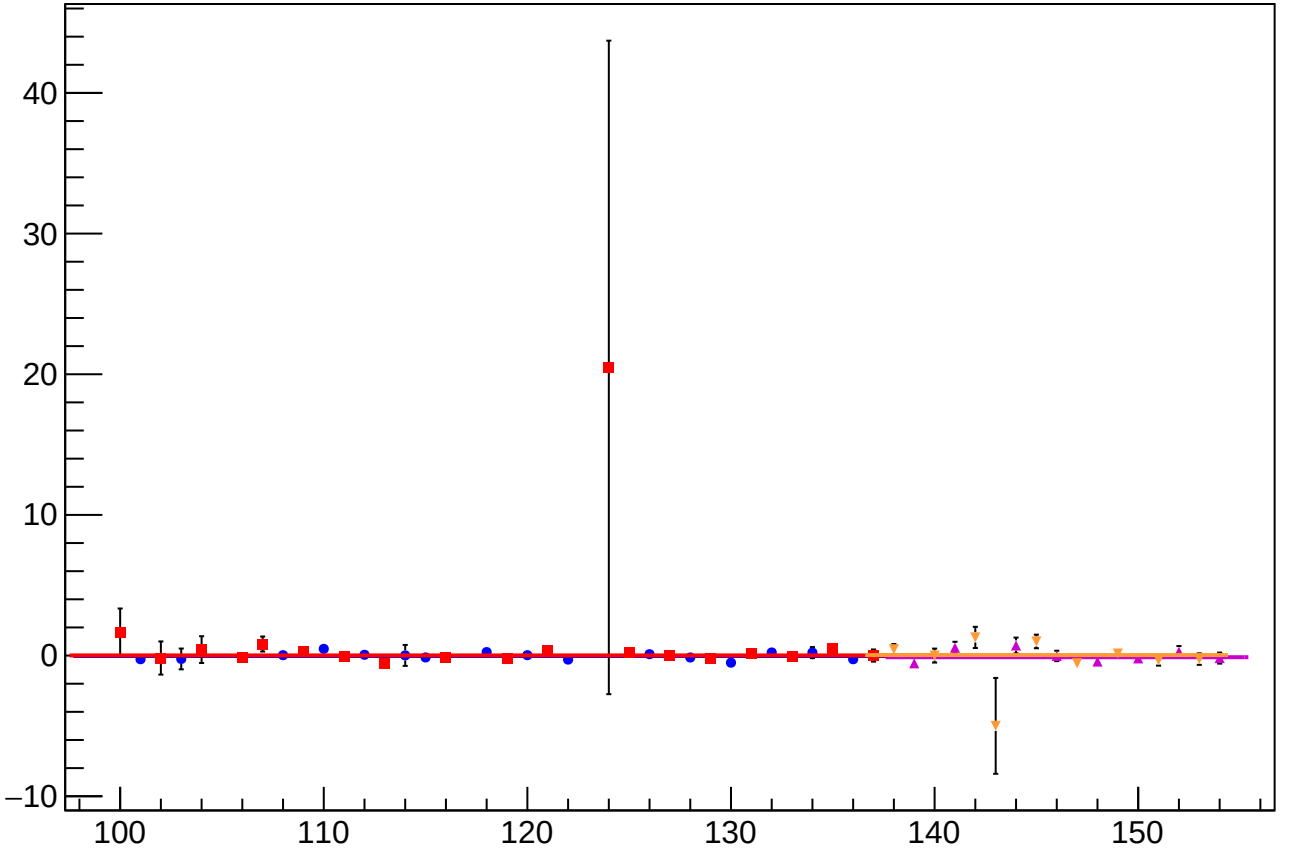
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 175.305+/-0.037 χ^2/NDF:5117027.1/23

Out: 162.726+/-0.037 χ^2/NDF:7859822.1/27

All: 168.998+/-0.026 χ^2/NDF: 13033878.0/51

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: -0.117+/-0.129 χ^2/NDF:9.2/7

Left: -0.048+/-0.096 χ^2/NDF: 24.7/16

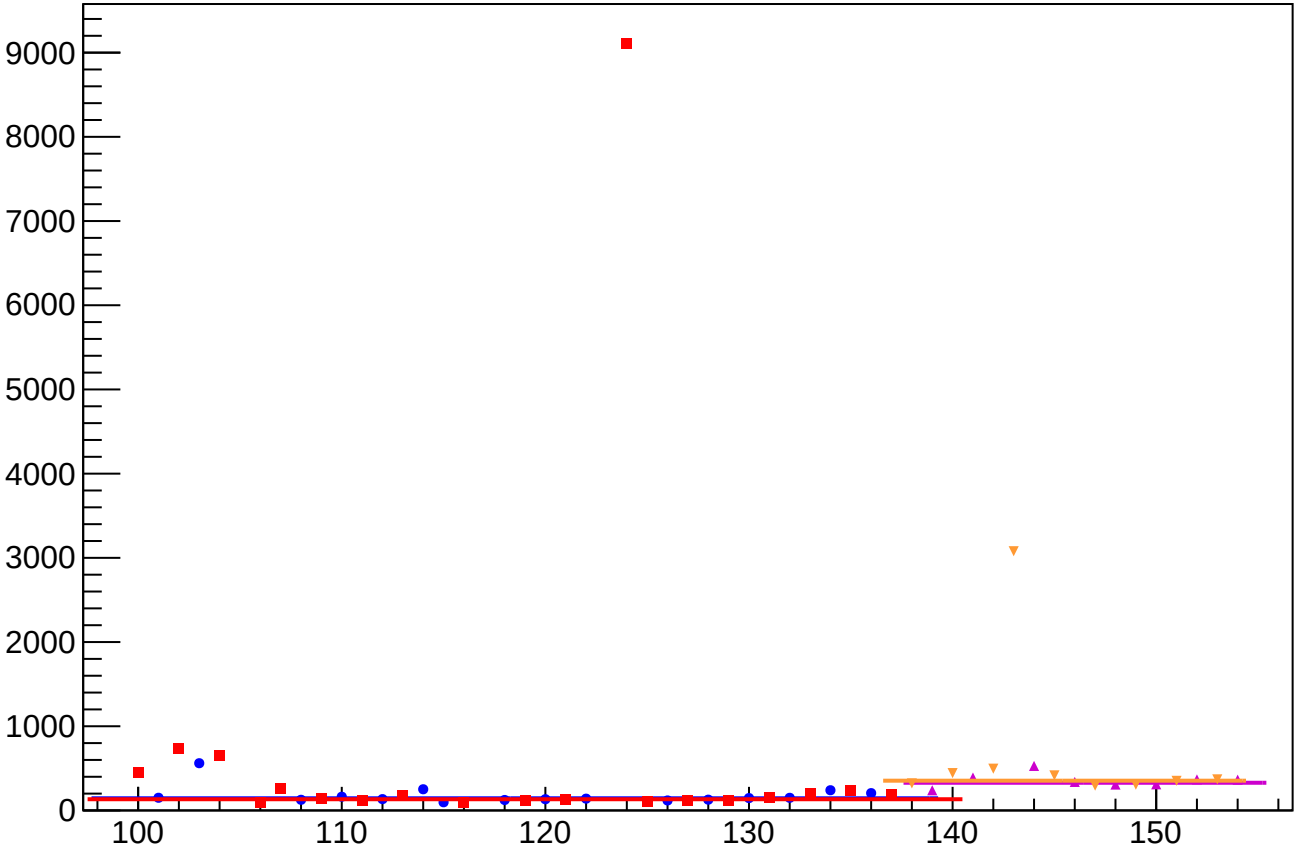
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.053 χ^2/NDF:26.9/23

Out: 0.014+/-0.053 χ^2/NDF:36.7/27

All: -0.015+/-0.037 χ^2/NDF: 64.2/51

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 353.526+/-0.102 χ^2/NDF:1573447.8/8

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 328.871+/-0.091 χ^2/NDF:564456.5/7

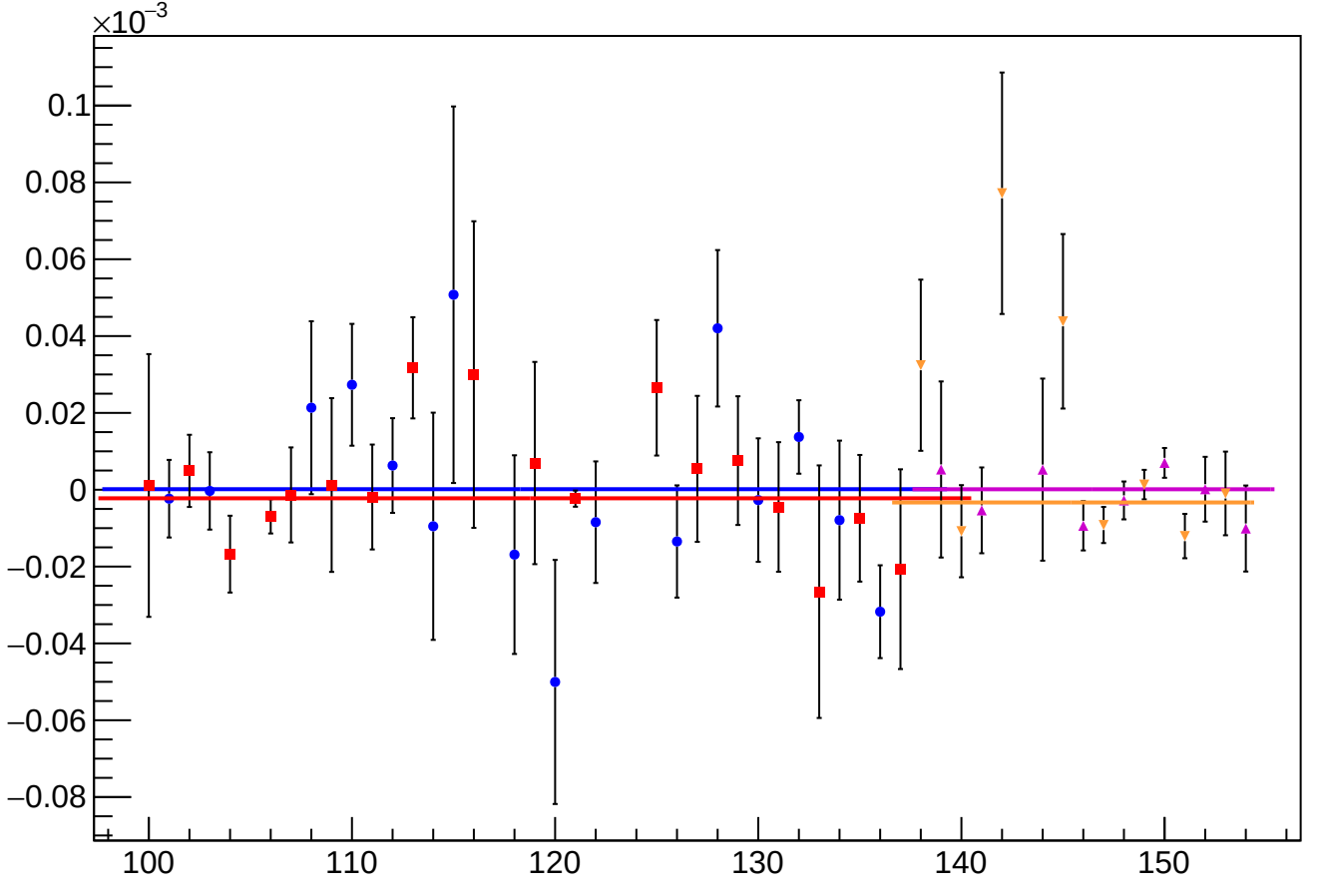
Left: 339.836+/-0.068 χ^2/NDF: 2170555.8/16

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 175.305+/-0.037 χ^2/NDF:5117027.1/23

Out: 162.726+/-0.037 χ^2/NDF:7859822.1/27

All: 168.998+/-0.026 χ^2/NDF: 13033878.0/51



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:6.8/7

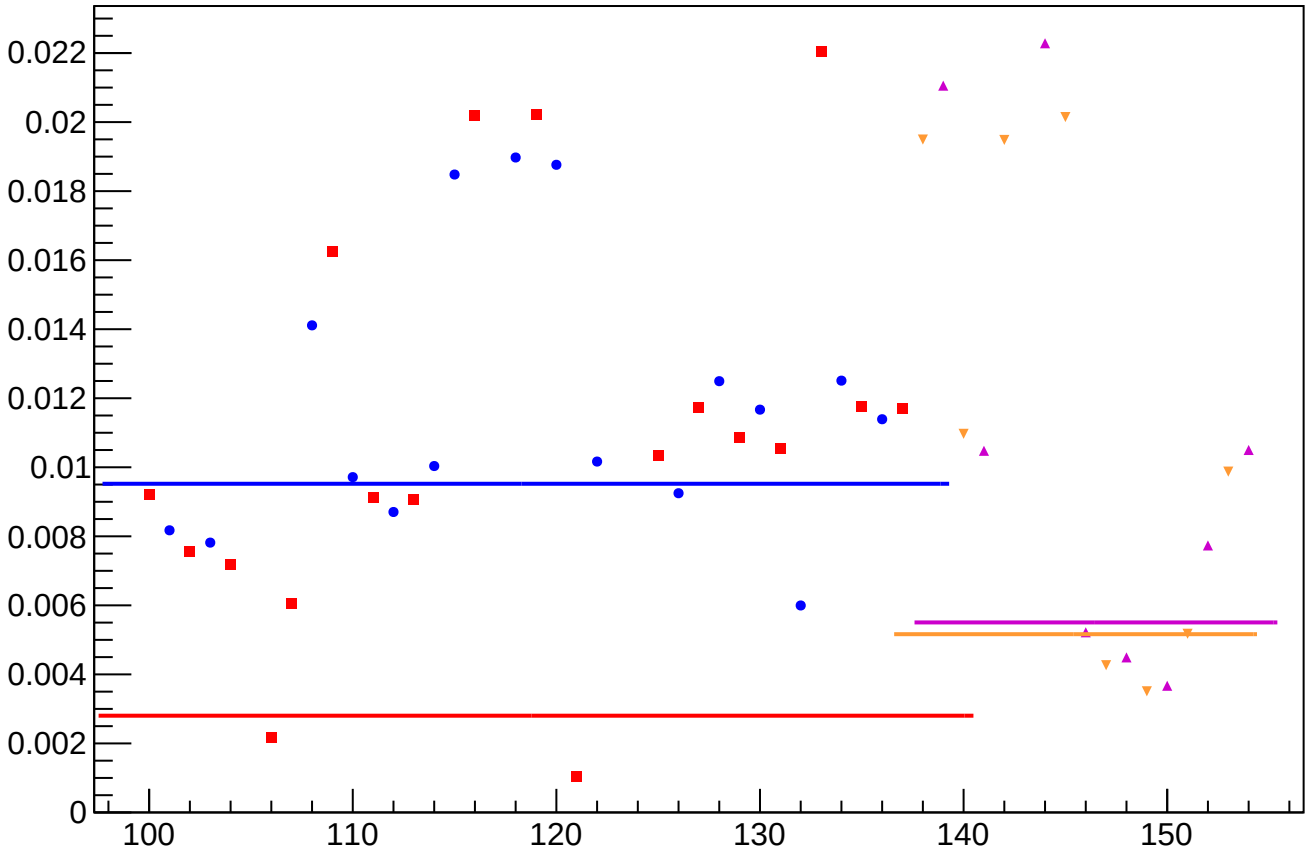
Left: -0.000+/-0.000 χ^2/NDF: 27.0/15

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:29.7/23

Out: -0.000+/-0.000 χ^2/NDF:34.9/25

All: -0.000+/-0.000 χ^2/NDF: 65.7/49



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: 0.006+/-0.000 χ^2/NDF:3393936.5/7

Left: 0.005+/-0.000 χ^2/NDF: 6812894.3/15

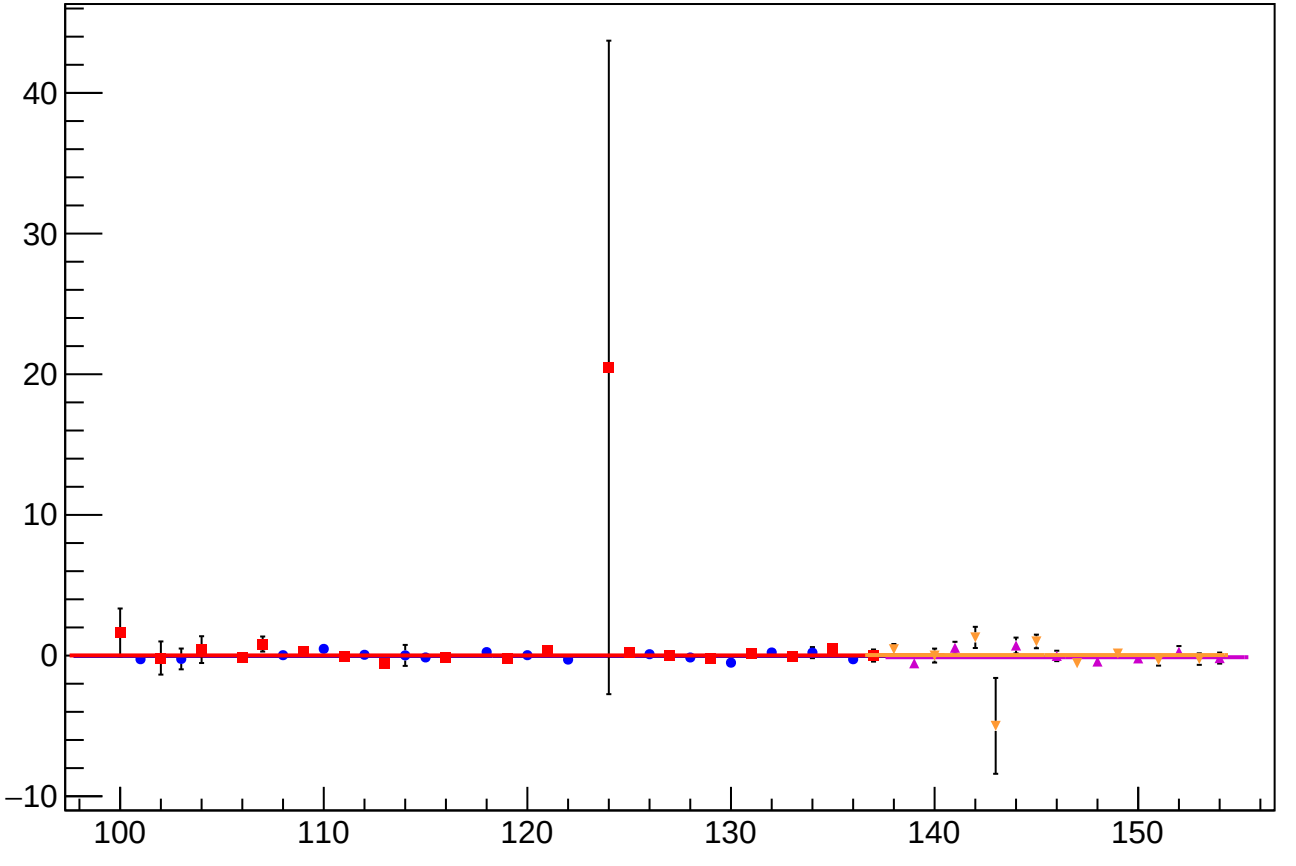
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:6136167.6/23

Out: 0.004+/-0.000 χ^2/NDF:13197340.1/25

All: 0.005+/-0.000 χ^2/NDF: 22510077.4/49

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: -0.117+/-0.129 χ^2/NDF:9.2/7

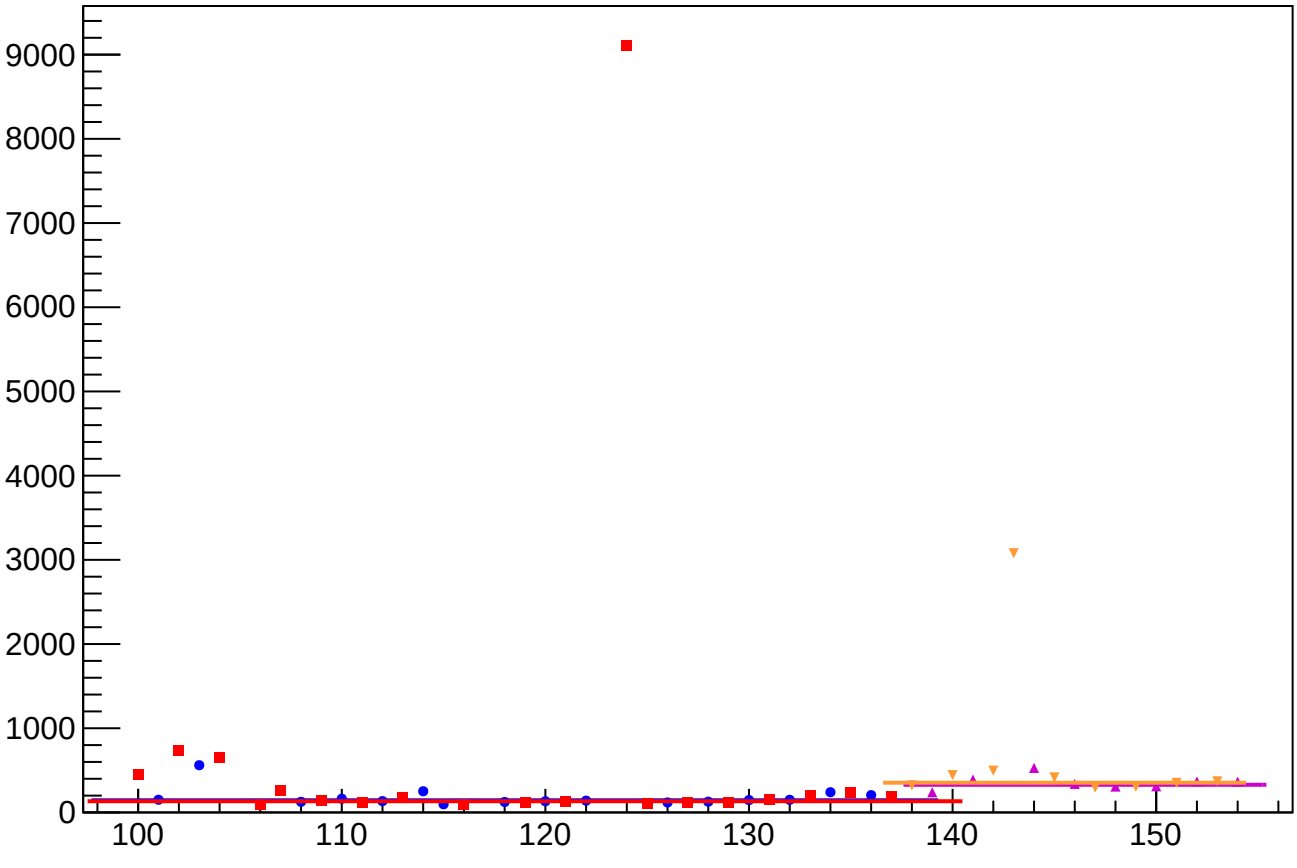
Left: -0.048+/-0.096 χ^2/NDF: 24.7/16

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.053 χ^2/NDF:26.9/23

Out: 0.014+/-0.053 χ^2/NDF:36.7/27

All: -0.015+/-0.037 χ^2/NDF: 64.2/51



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: 328.876+/-0.091 χ^2/NDF:564444.4/7

Left: 339.840+/-0.068 χ^2/NDF: 2170561.7/16

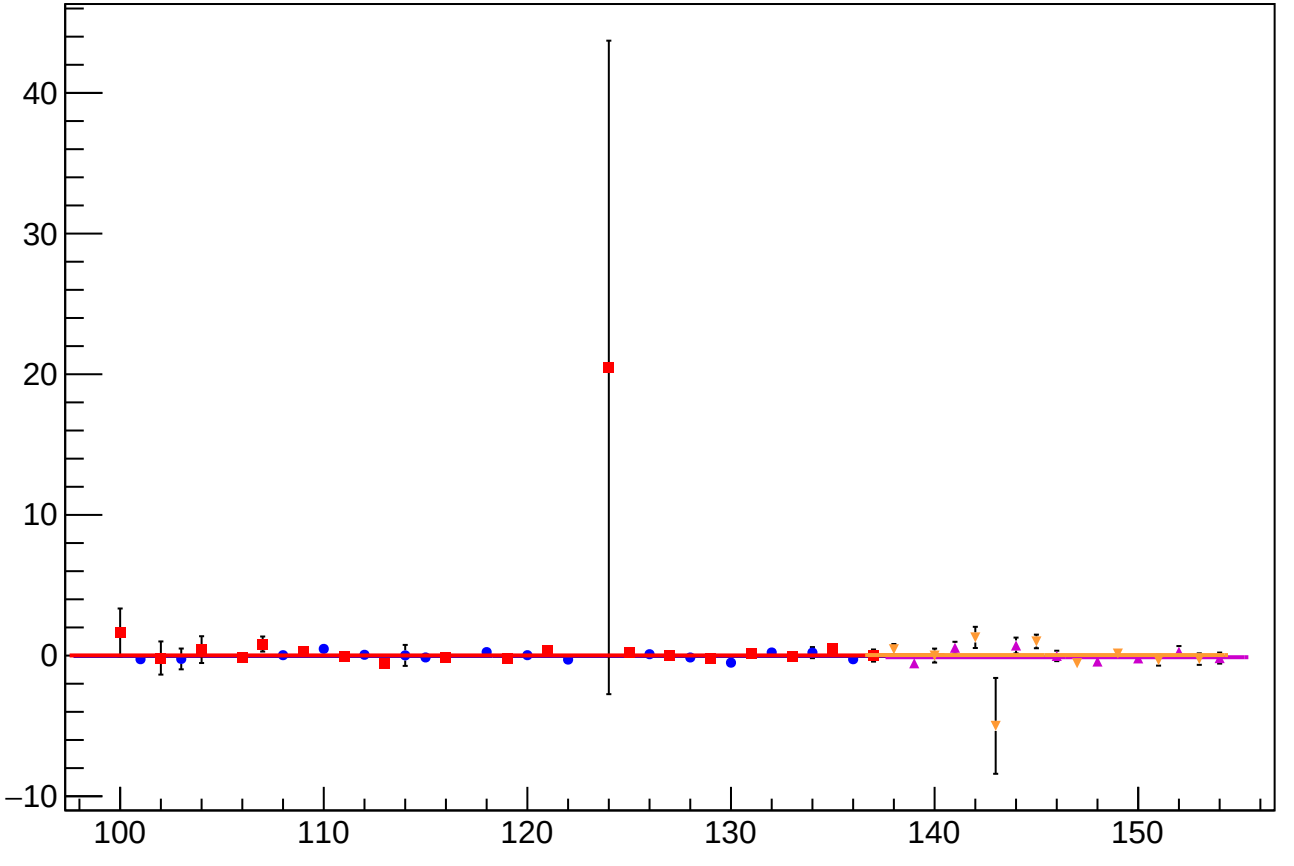
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 175.303+/-0.037 χ^2/NDF:5117197.6/23

Out: 162.726+/-0.037 χ^2/NDF:7859882.8/27

All: 168.996+/-0.026 χ^2/NDF: 13034103.4/51

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: -0.117+/-0.129 χ^2/NDF:9.2/7

Left: -0.048+/-0.096 χ^2/NDF: 24.7/16

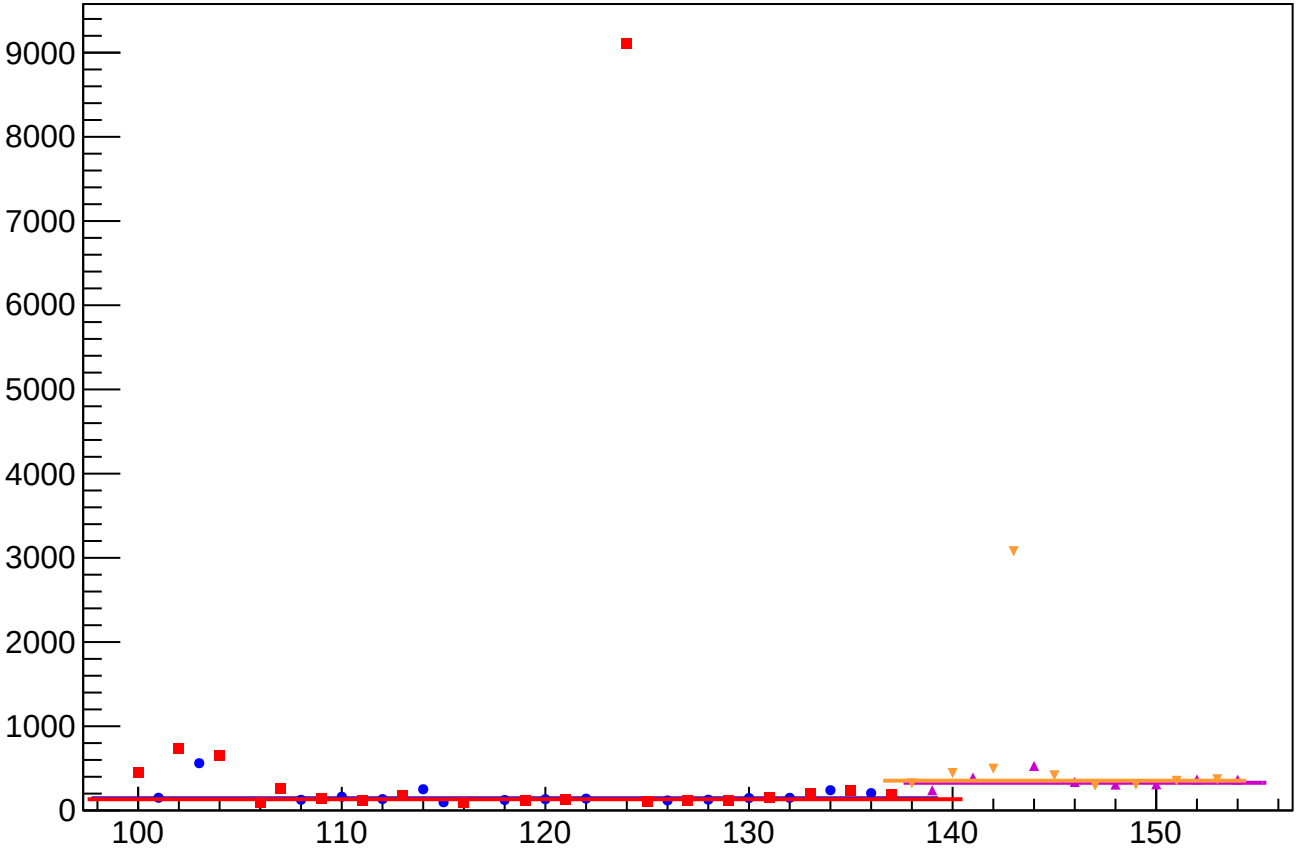
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.053 χ^2/NDF:26.9/23

Out: 0.014+/-0.053 χ^2/NDF:36.7/27

All: -0.015+/-0.037 χ^2/NDF: 64.2/51

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: 328.876+/-0.091 χ^2/NDF:564444.4/7

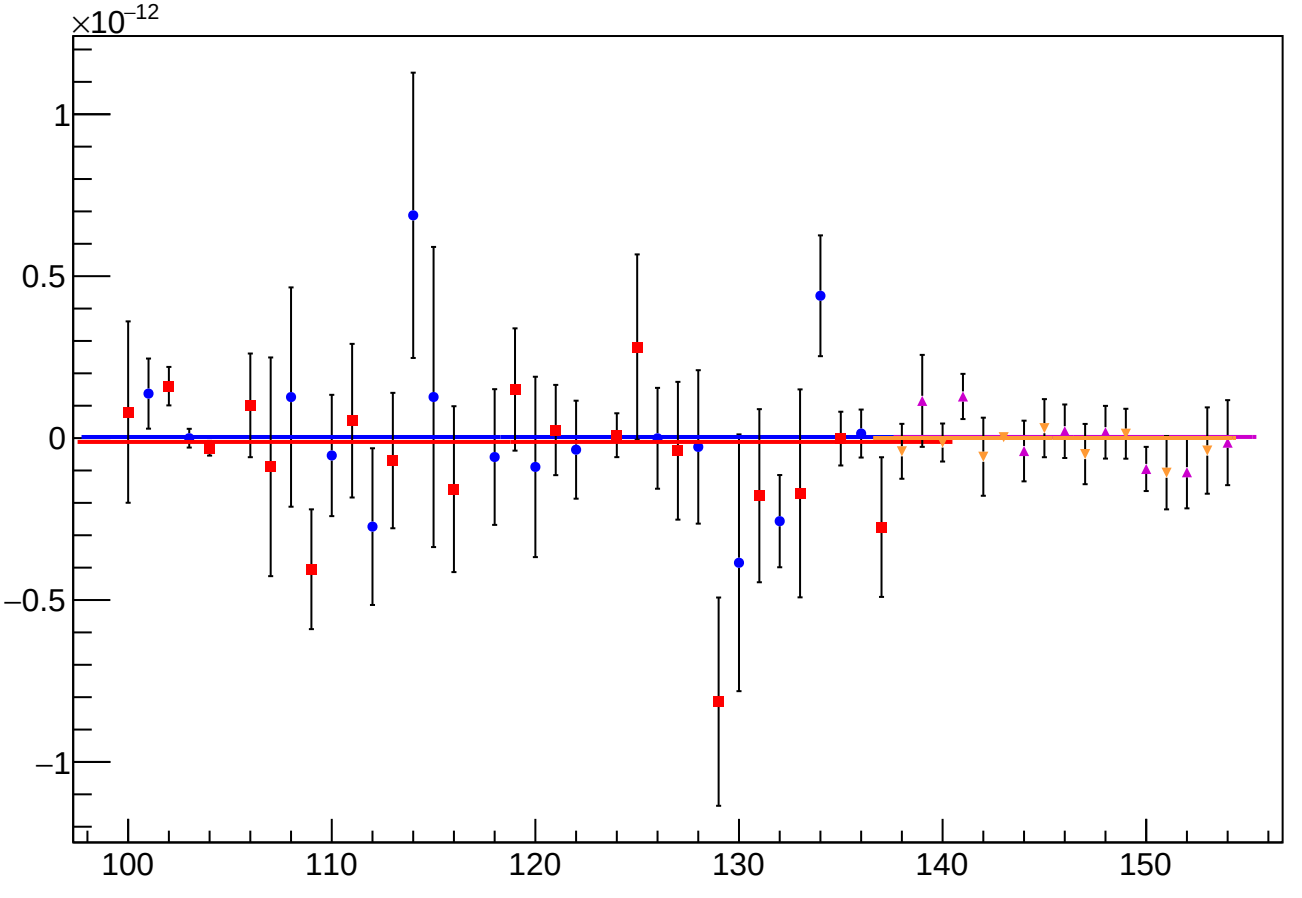
Left: 339.840+/-0.068 χ^2/NDF: 2170561.7/16

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 175.303+/-0.037 χ^2/NDF:5117197.6/23

Out: 162.726+/-0.037 χ^2/NDF:7859882.8/27

All: 168.996+/-0.026 χ^2/NDF: 13034103.4/51



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:7.2/7

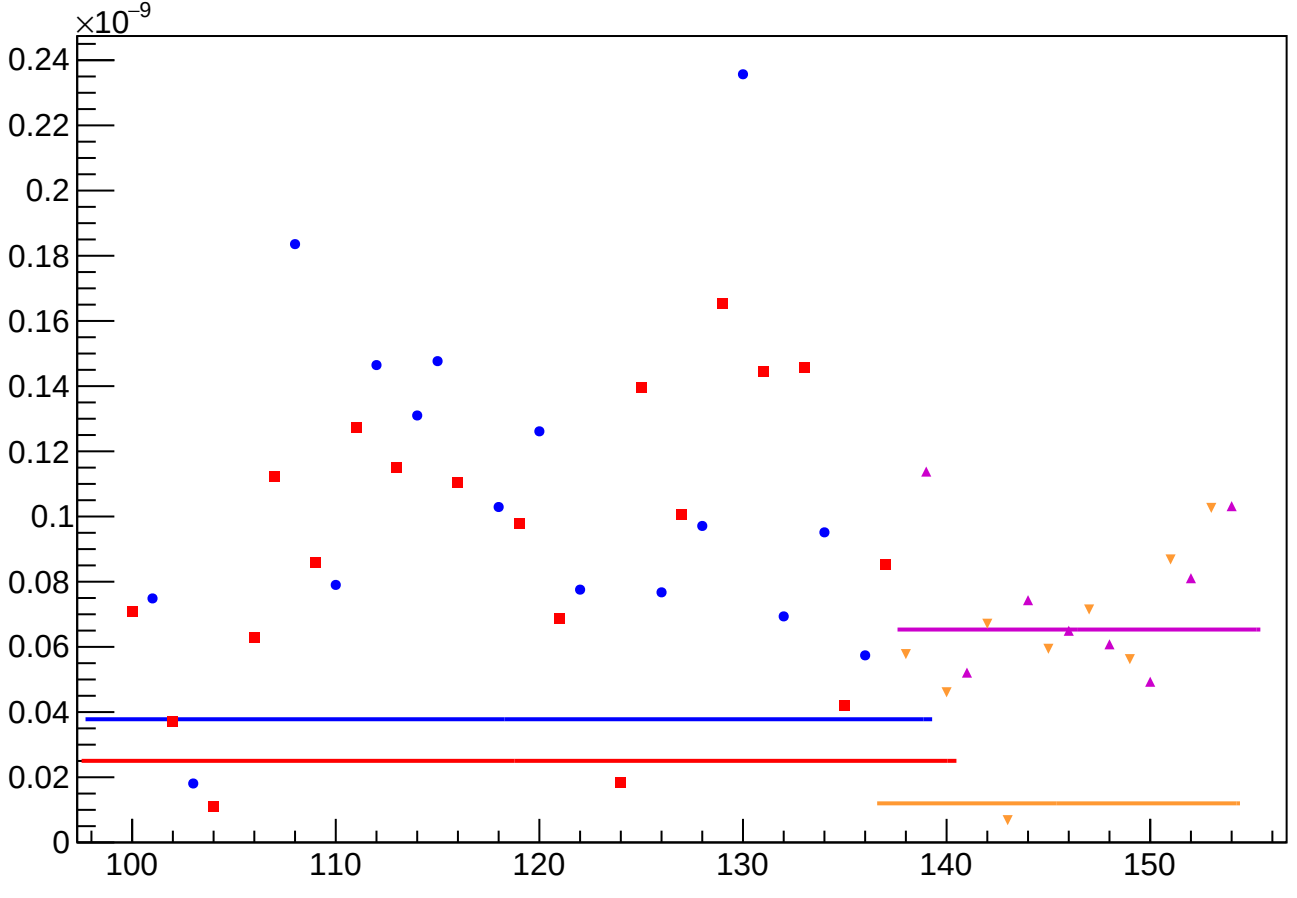
Left: 0.000+/-0.000 χ^2/NDF: 9.2/16

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:22.8/23

Out: -0.000+/-0.000 χ^2/NDF:27.4/27

All: -0.000+/-0.000 χ^2/NDF: 50.3/51



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:645920.0/7

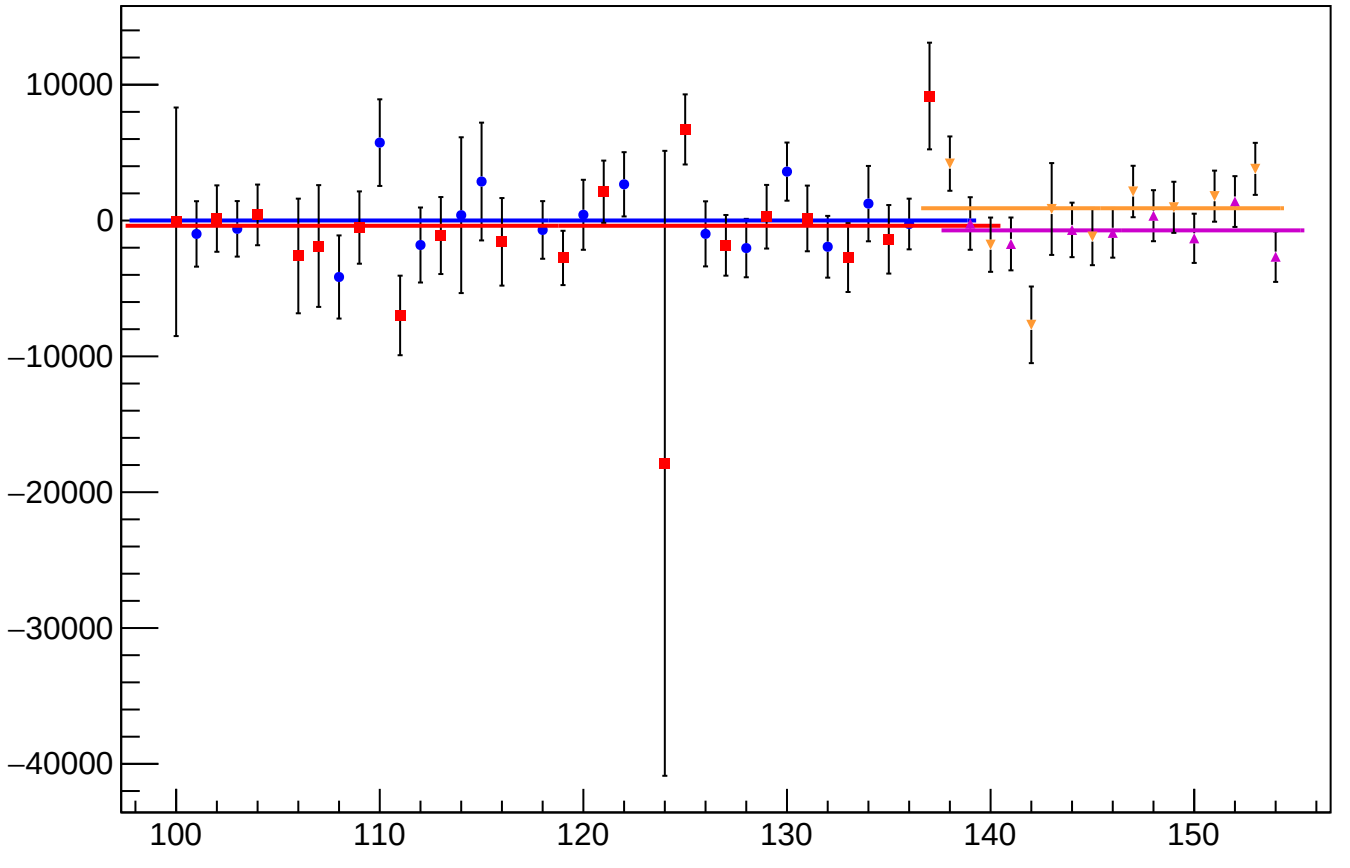
Left: 0.000+/-0.000 χ^2/NDF: 11989760.4/16

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:5564096.2/23

Out: 0.000+/-0.000 χ^2/NDF:11521418.8/27

All: 0.000+/-0.000 χ^2/NDF: 22174405.7/51



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 905.299+/-697.468 χ^2/NDF:17.7/8

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -723.993+/-667.781 χ^2/NDF:3.2/7

Left: 55.241+/-482.346 χ^2/NDF: 23.7/16

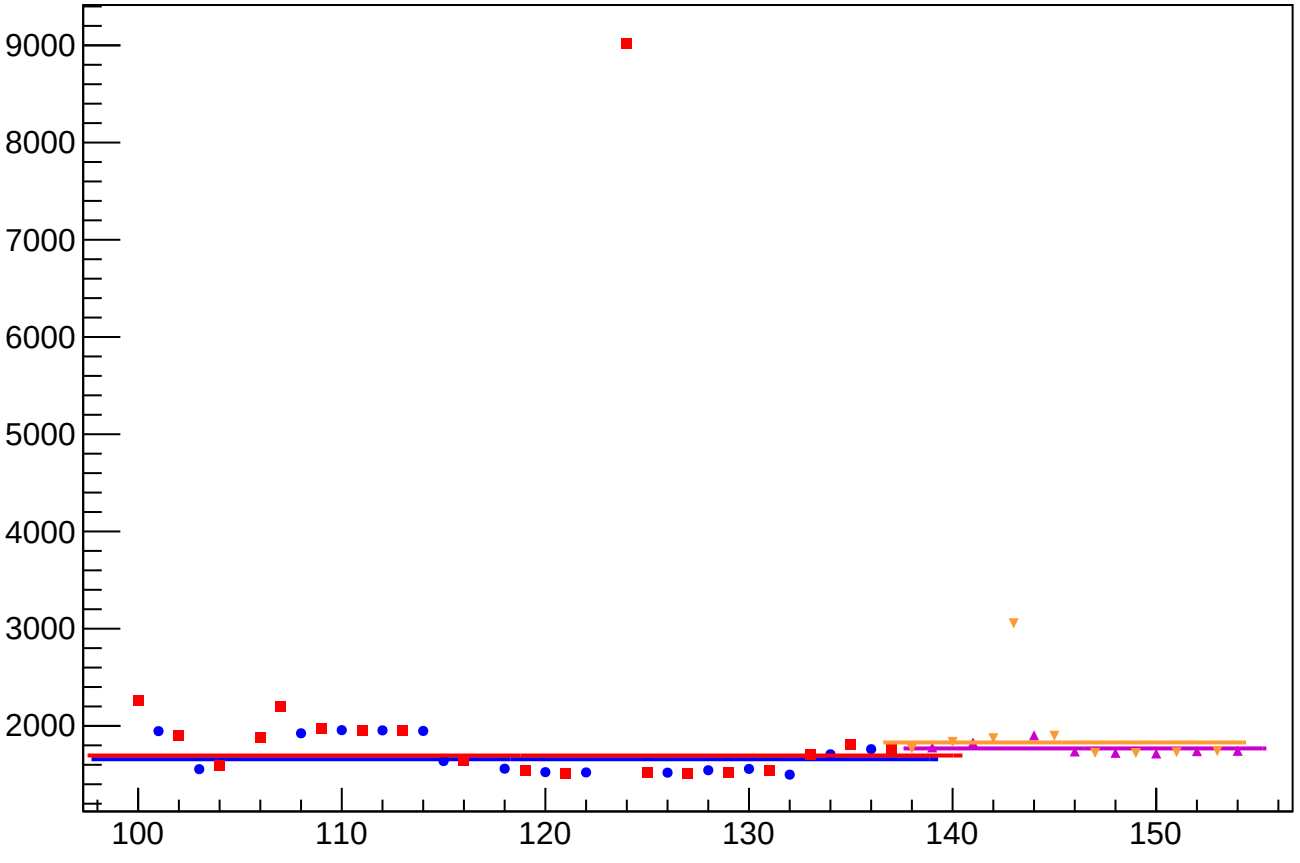
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -332.767+/-454.323 χ^2/NDF:16.2/23

Out: 198.595+/-469.014 χ^2/NDF:43.6/27

All: -75.538+/-326.325 χ^2/NDF: 60.5/51

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: 1768.396+/-0.472 χ^2/NDF:15276.6/7

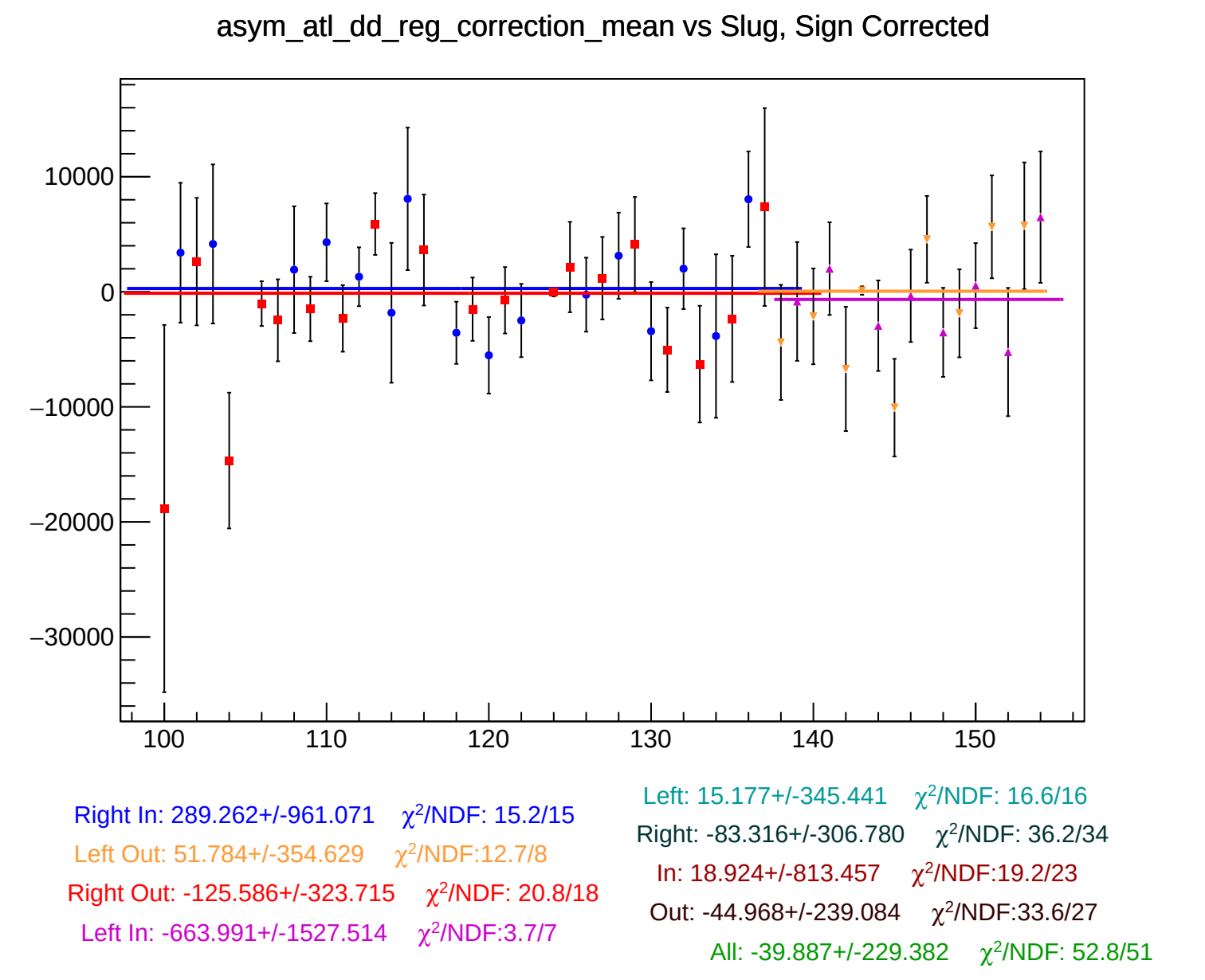
Left: 1797.716+/-0.341 χ^2/NDF: 313647.6/16

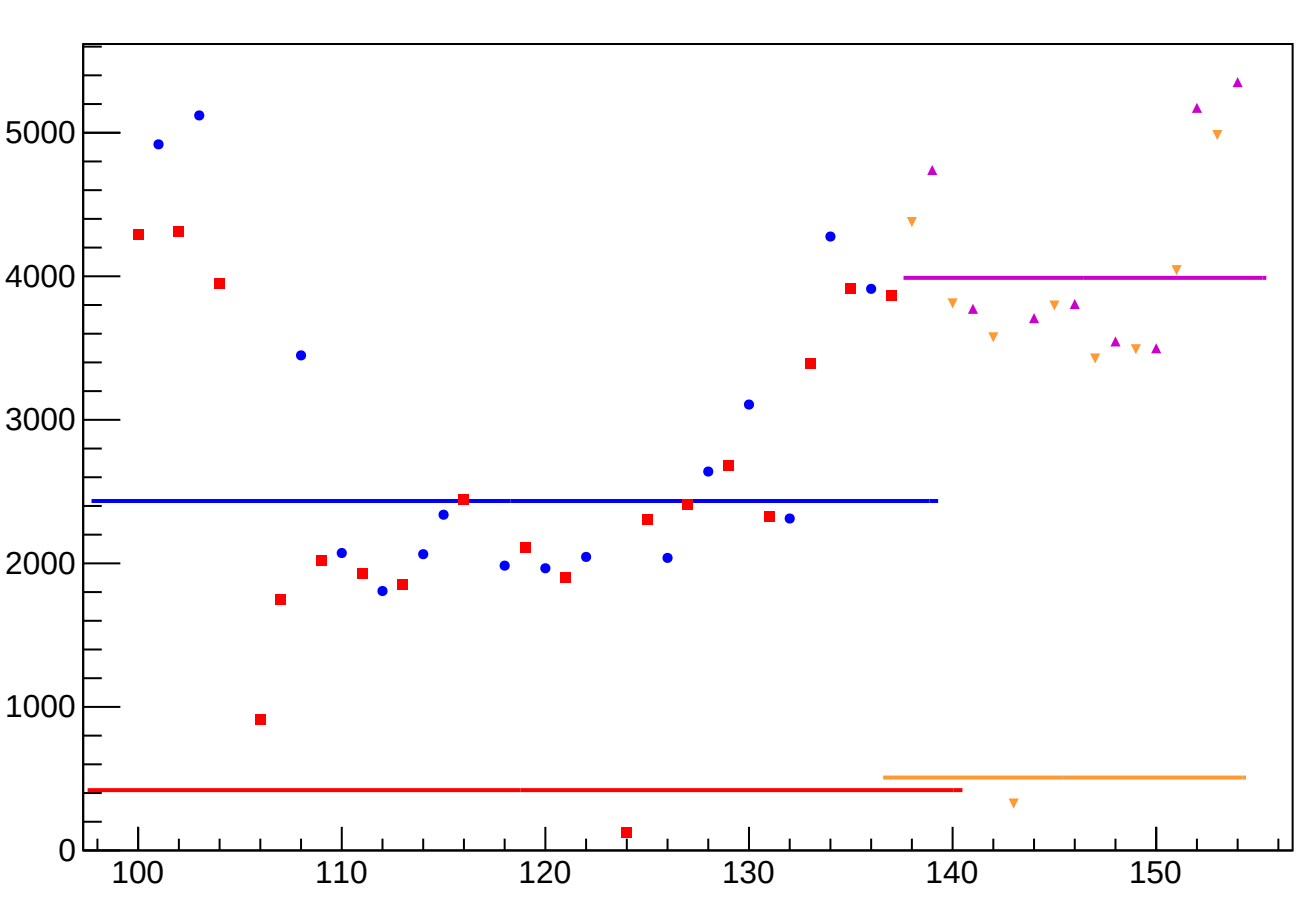
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1708.626+/-0.321 χ^2/NDF:189089.2/23

Out: 1755.959+/-0.331 χ^2/NDF:717166.3/27

All: 1731.600+/-0.230 χ^2/NDF: 916792.0/51


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: 51.784+/-354.629 χ²/NDF:12.7/8
Right Out: -125.586+/-323.715 χ²/NDF: 20.8/18
Left In: -663.991+/-1527.514 χ²/NDF:3.7/7
Left: 15.177+/-345.441 χ²/NDF: 16.6/16
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: 18.924+/-813.457 χ²/NDF:19.2/23
Out: -44.968+/-239.084 χ²/NDF:33.6/27
All: -39.887+/-229.382 χ²/NDF: 52.8/51



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: 3989.187+/-1.080 χ^2/NDF:328209.0/7

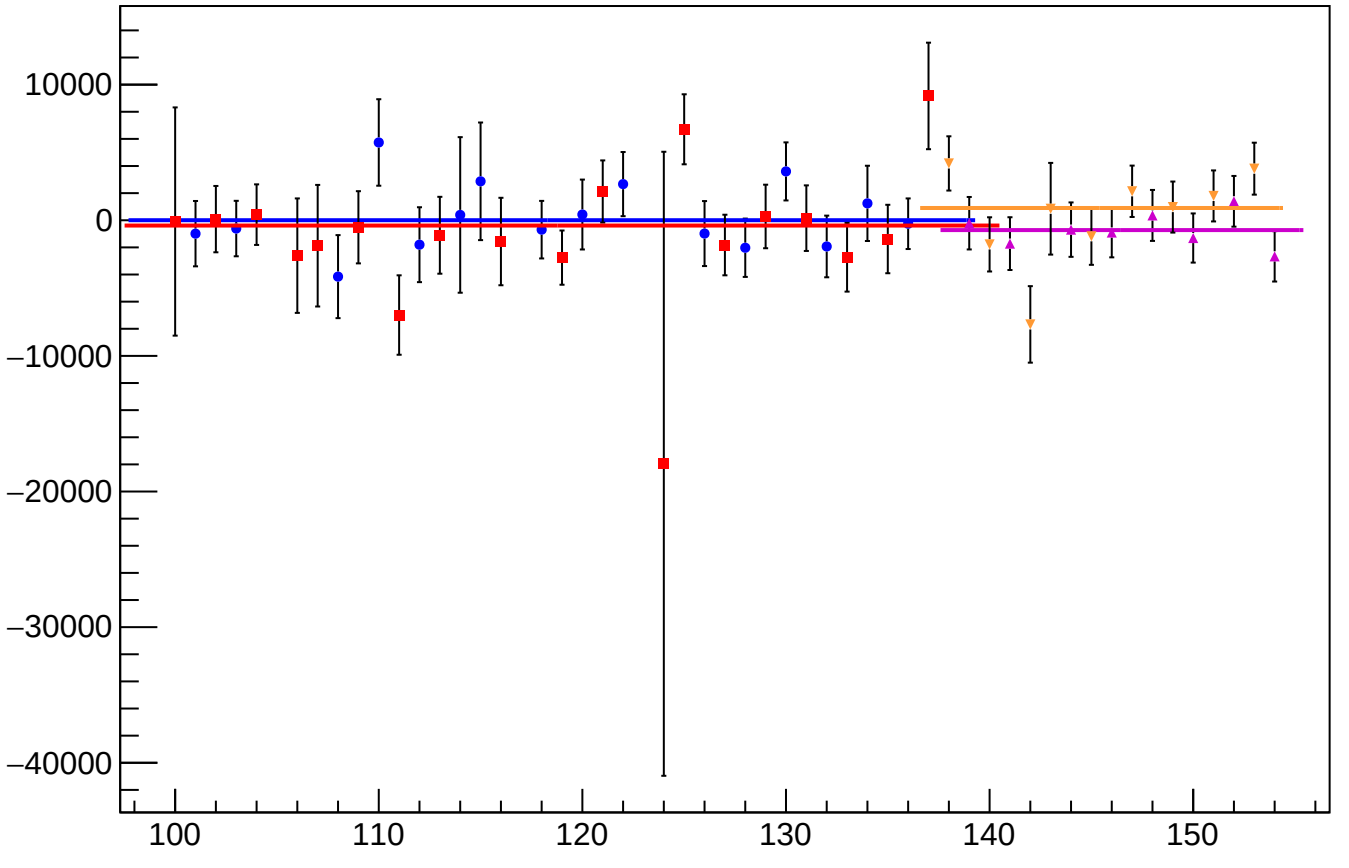
Left: 685.929+/-0.244 χ^2/NDF: 19973999.0/16

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2875.468+/-0.575 χ^2/NDF:3269991.1/23

Out: 460.106+/-0.169 χ^2/NDF:20919362.7/27

All: 652.164+/-0.162 χ^2/NDF: 40420222.1/51



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: -723.975+/-667.781 χ^2/NDF:3.2/7

Left: 55.176+/-482.346 χ^2/NDF: 23.7/16

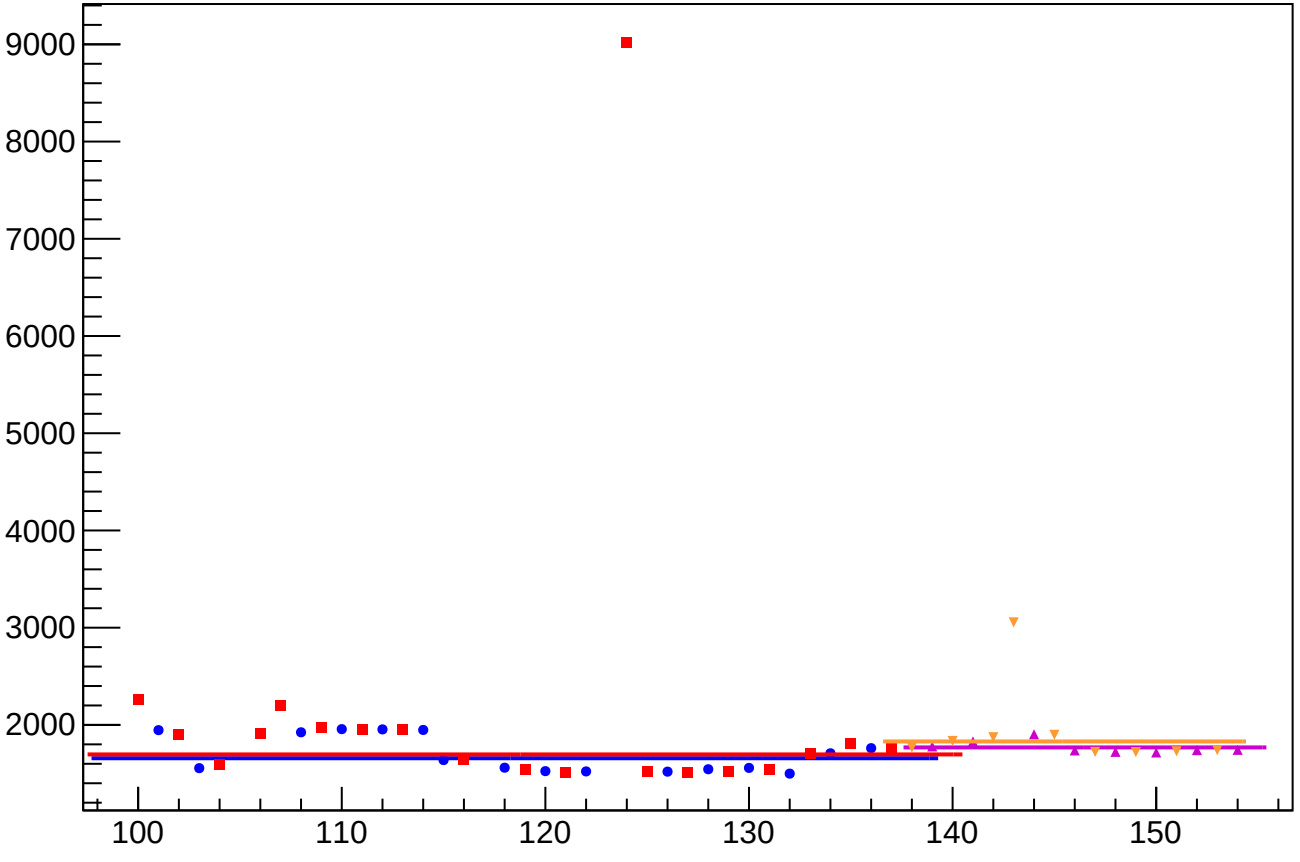
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -332.801+/-454.323 χ^2/NDF:16.2/23

Out: 196.177+/-469.016 χ^2/NDF:43.6/27

All: -76.728+/-326.326 χ^2/NDF: 60.5/51

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: 1768.397+/-0.472 χ^2/NDF:15276.6/7

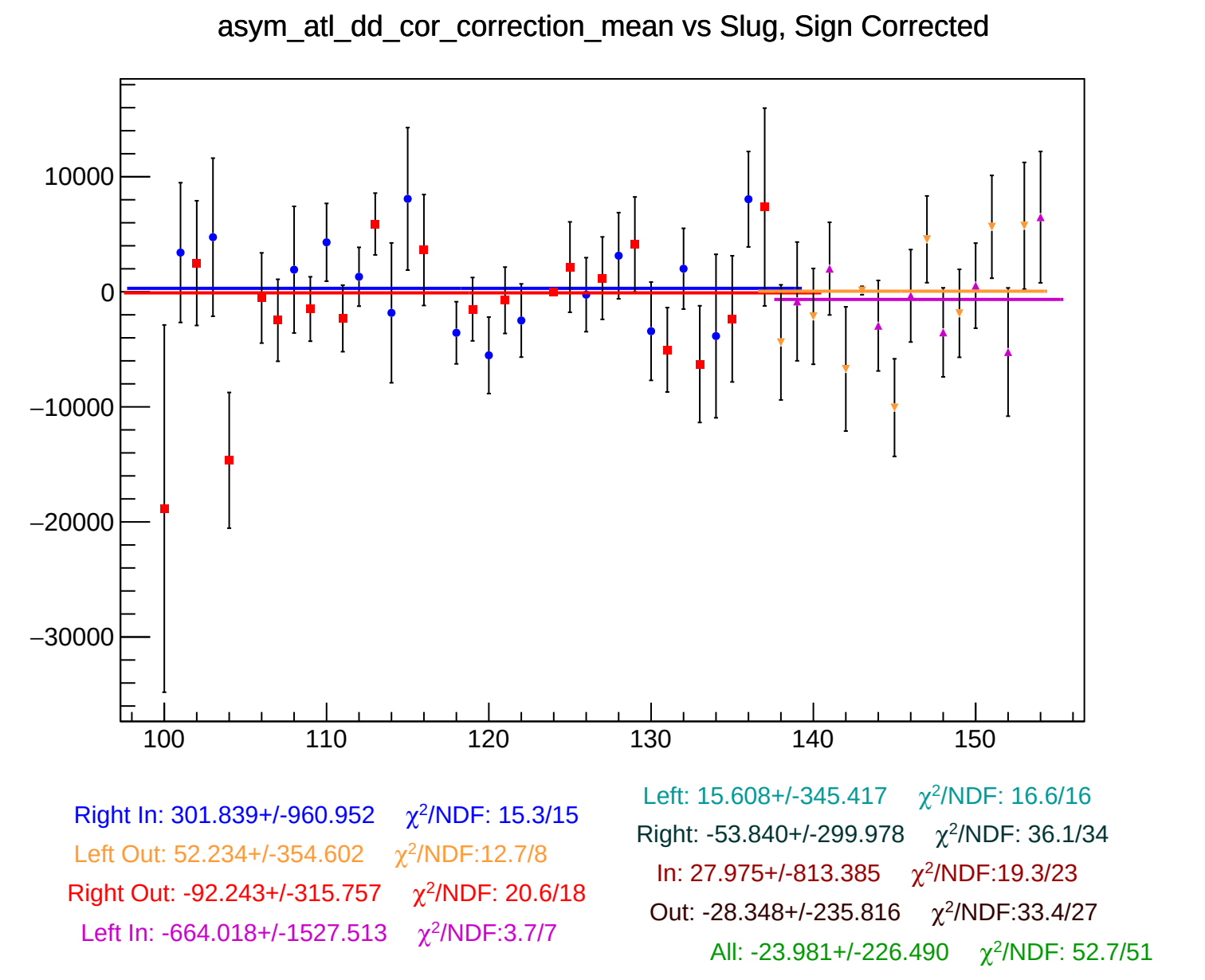
Left: 1797.716+/-0.341 χ^2/NDF: 313647.6/16

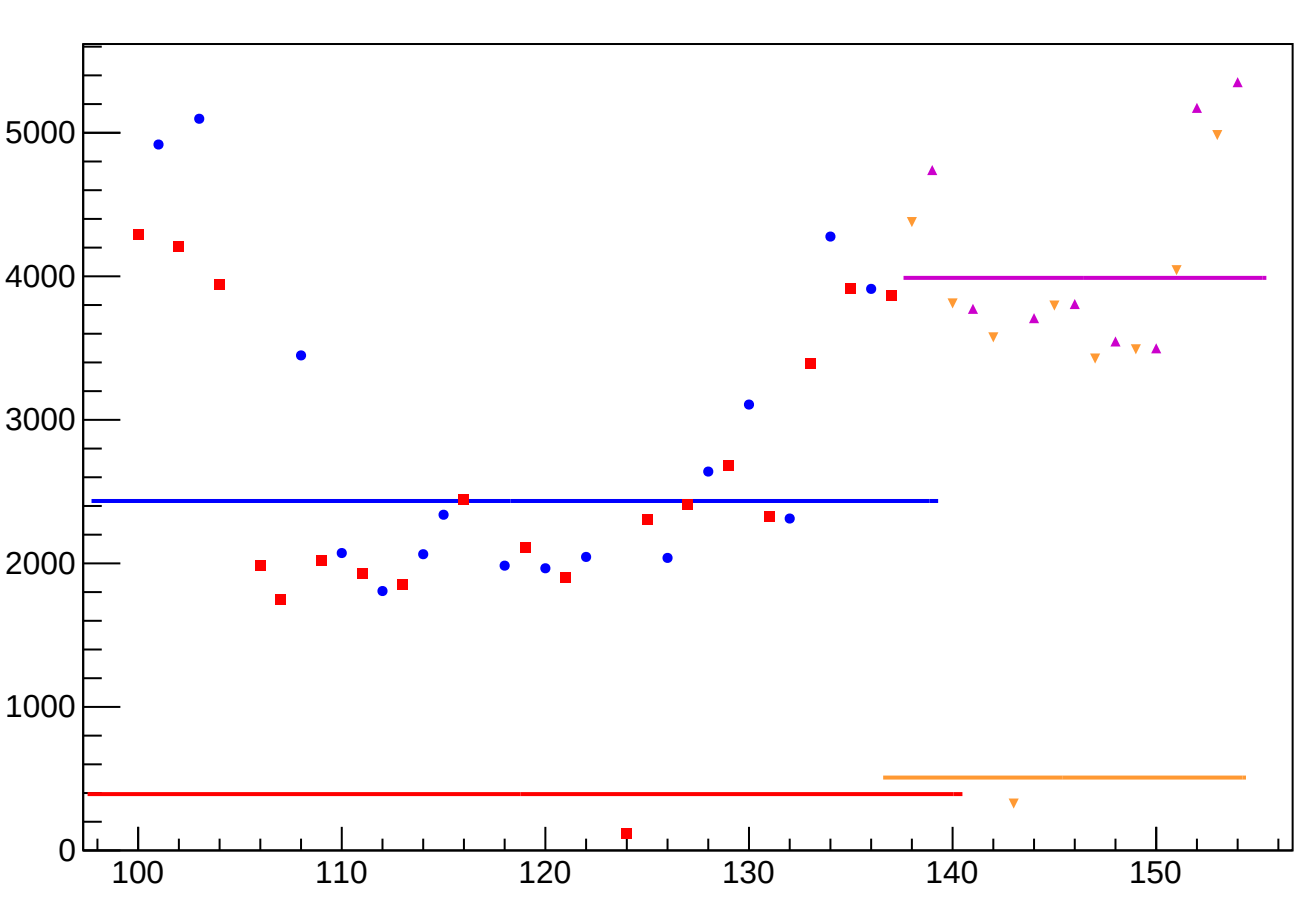
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1708.626+/-0.321 χ^2/NDF:189089.3/23

Out: 1756.428+/-0.331 χ^2/NDF:718427.5/27

All: 1731.821+/-0.230 χ^2/NDF: 918259.9/51


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: -664.018+/-1527.513 χ²/NDF:3.7/7
Left: 15.608+/-345.417 χ²/NDF: 16.6/16
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: 27.975+/-813.385 χ²/NDF:19.3/23
Out: -28.348+/-235.816 χ²/NDF:33.4/27
All: -23.981+/-226.490 χ²/NDF: 52.7/51



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: 3989.184+/-1.080 χ^2/NDF:328203.0/7

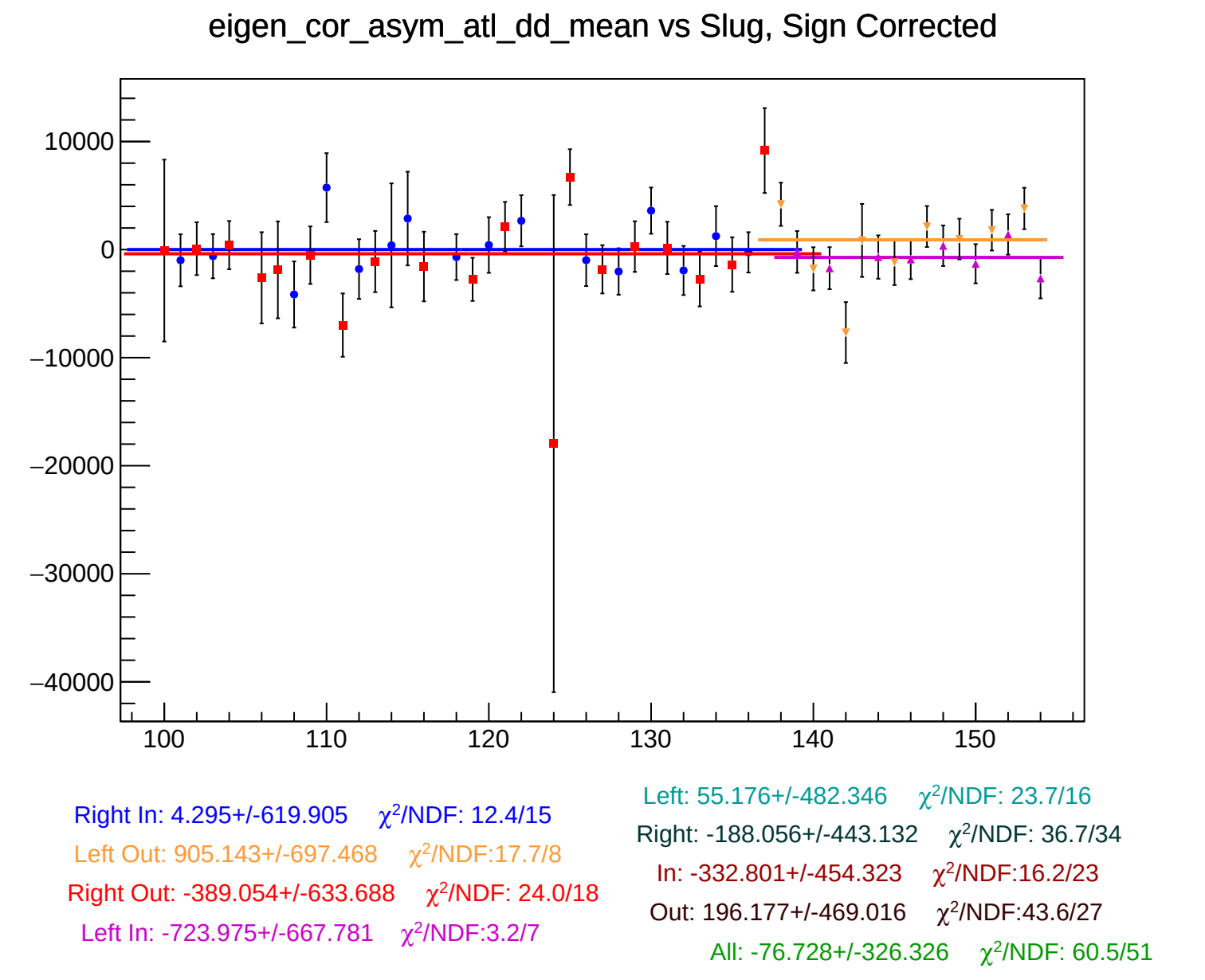
Left: 685.852+/-0.244 χ^2/NDF: 19974610.7/16

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

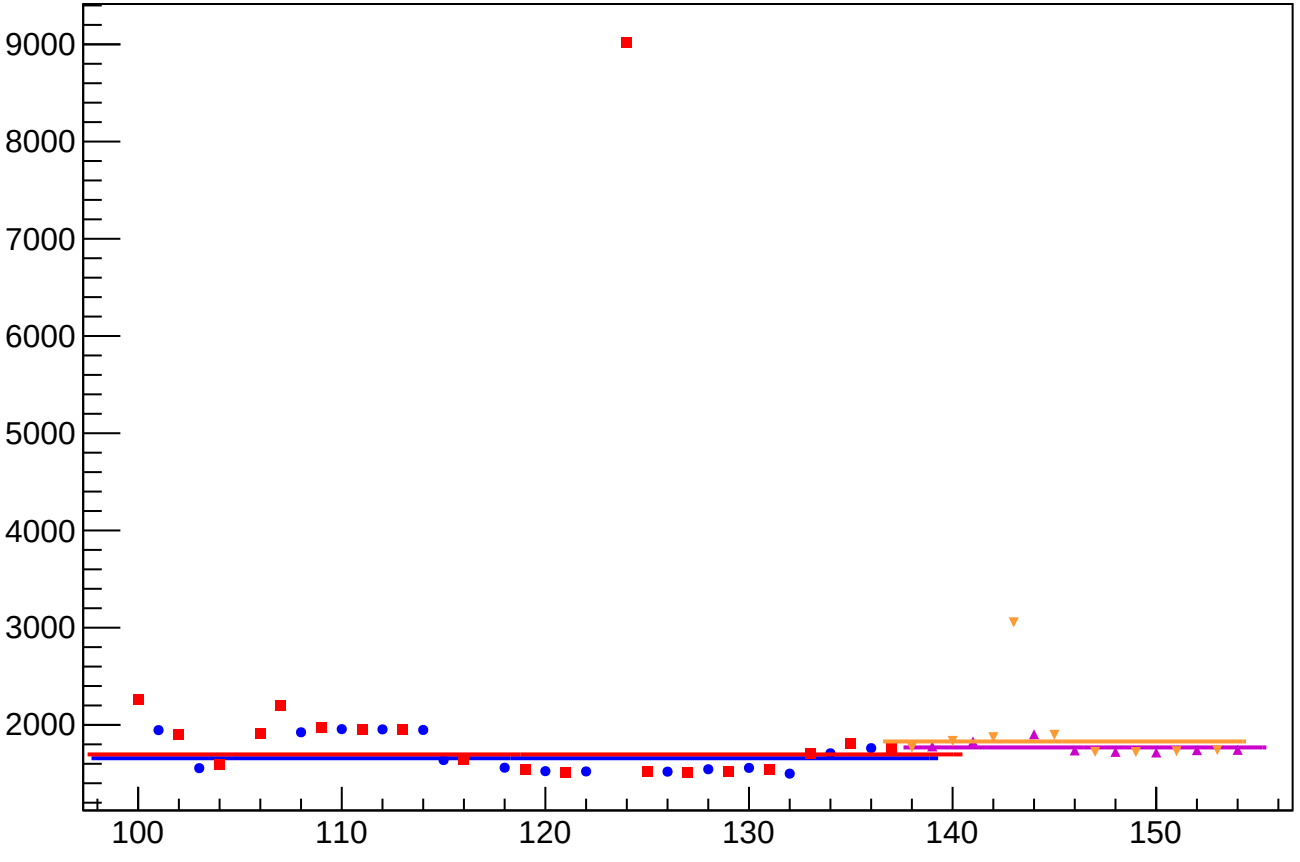
In: 2875.509+/-0.575 χ^2/NDF:3268076.0/23

Out: 443.598+/-0.167 χ^2/NDF:21314730.1/27

All: 632.160+/-0.160 χ^2/NDF: 41075136.0/51


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 4.295+/-619.905 χ²/NDF: 12.4/15
Left Out: 905.143+/-697.468 χ²/NDF:17.7/8
Right Out: -389.054+/-633.688 χ²/NDF: 24.0/18
Left In: -723.975+/-667.781 χ²/NDF:3.2/7
Left: 55.176+/-482.346 χ²/NDF: 23.7/16
Right: -188.056+/-443.132 χ²/NDF: 36.7/34
In: -332.801+/-454.323 χ²/NDF:16.2/23
Out: 196.177+/-469.016 χ²/NDF:43.6/27
All: -76.728+/-326.326 χ²/NDF: 60.5/51

eigen_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: 1768.397+/-0.472 χ^2/NDF:15276.6/7

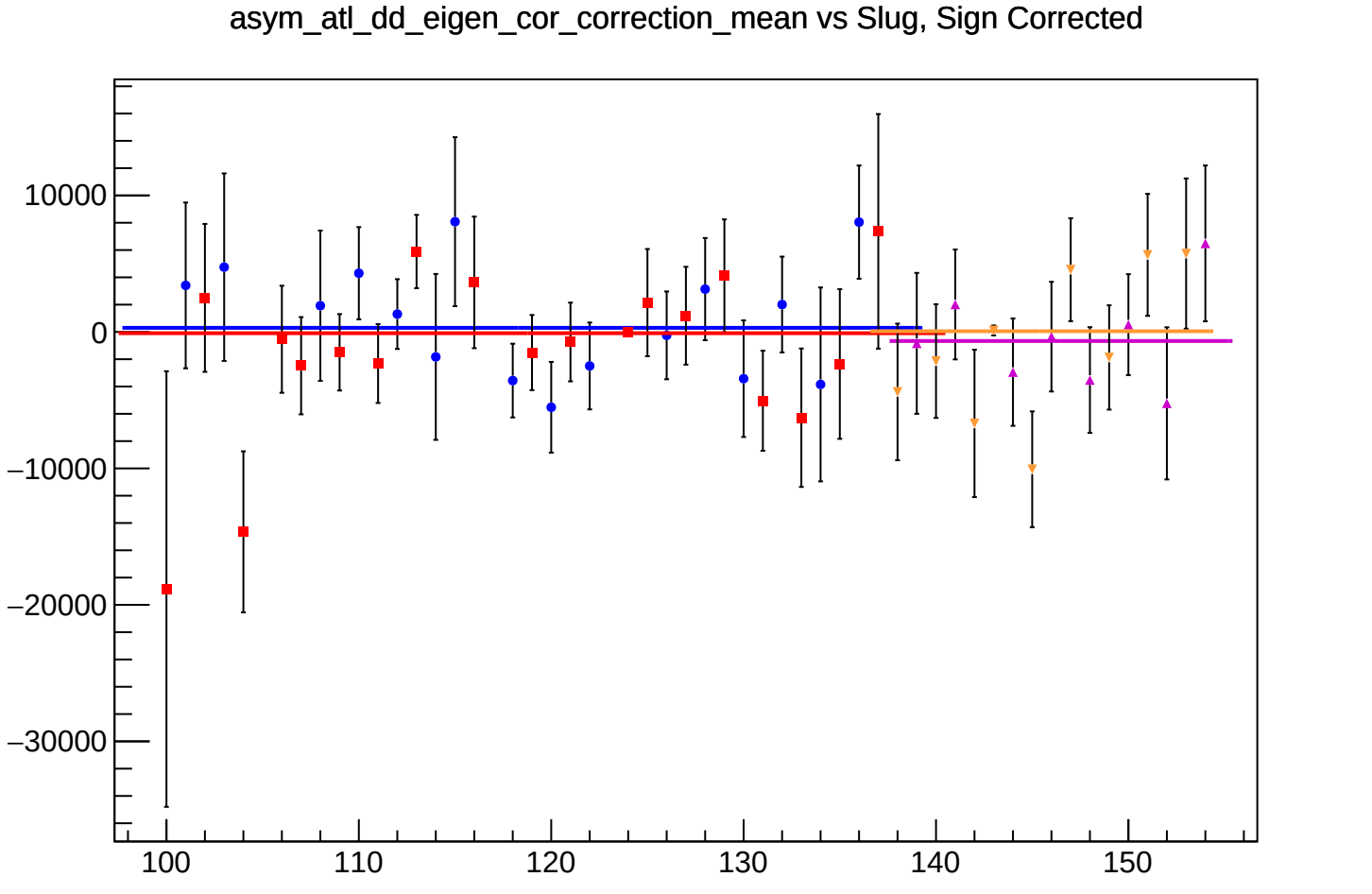
Left: 1797.716+/-0.341 χ^2/NDF: 313647.6/16

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1708.626+/-0.321 χ^2/NDF:189089.3/23

Out: 1756.428+/-0.331 χ^2/NDF:718427.5/27

All: 1731.821+/-0.230 χ^2/NDF: 918259.9/51



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 52.234+/-354.602 χ^2/NDF:12.7/8

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -664.018+/-1527.513 χ^2/NDF:3.7/7

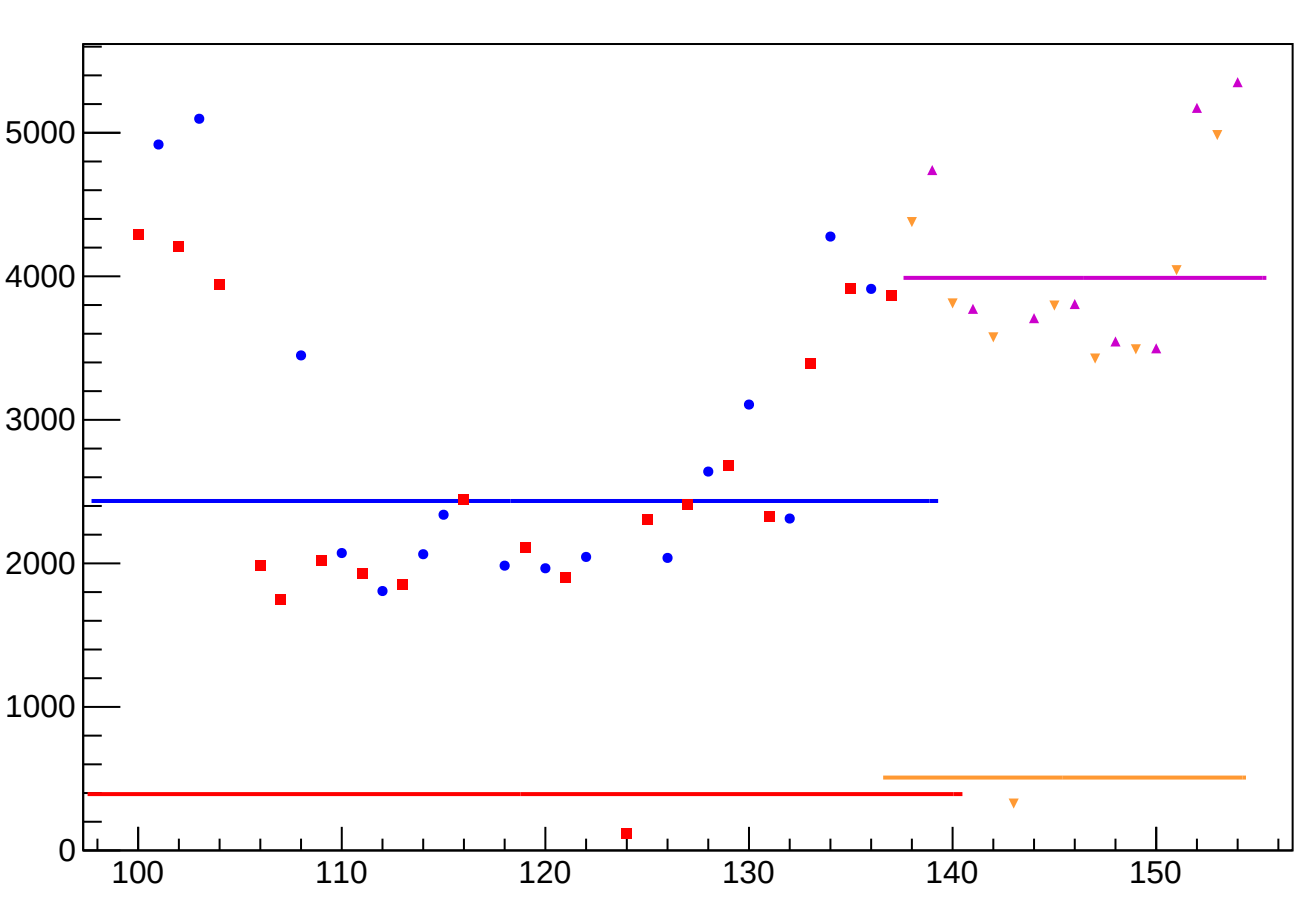
Left: 15.608+/-345.417 χ^2/NDF: 16.6/16

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 27.975+/-813.385 χ^2/NDF:19.3/23

Out: -28.348+/-235.816 χ^2/NDF:33.4/27

All: -23.981+/-226.490 χ^2/NDF: 52.7/51



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: 3989.184+/-1.080 χ^2/NDF:328203.0/7

Left: 685.852+/-0.244 χ^2/NDF: 19974610.7/16

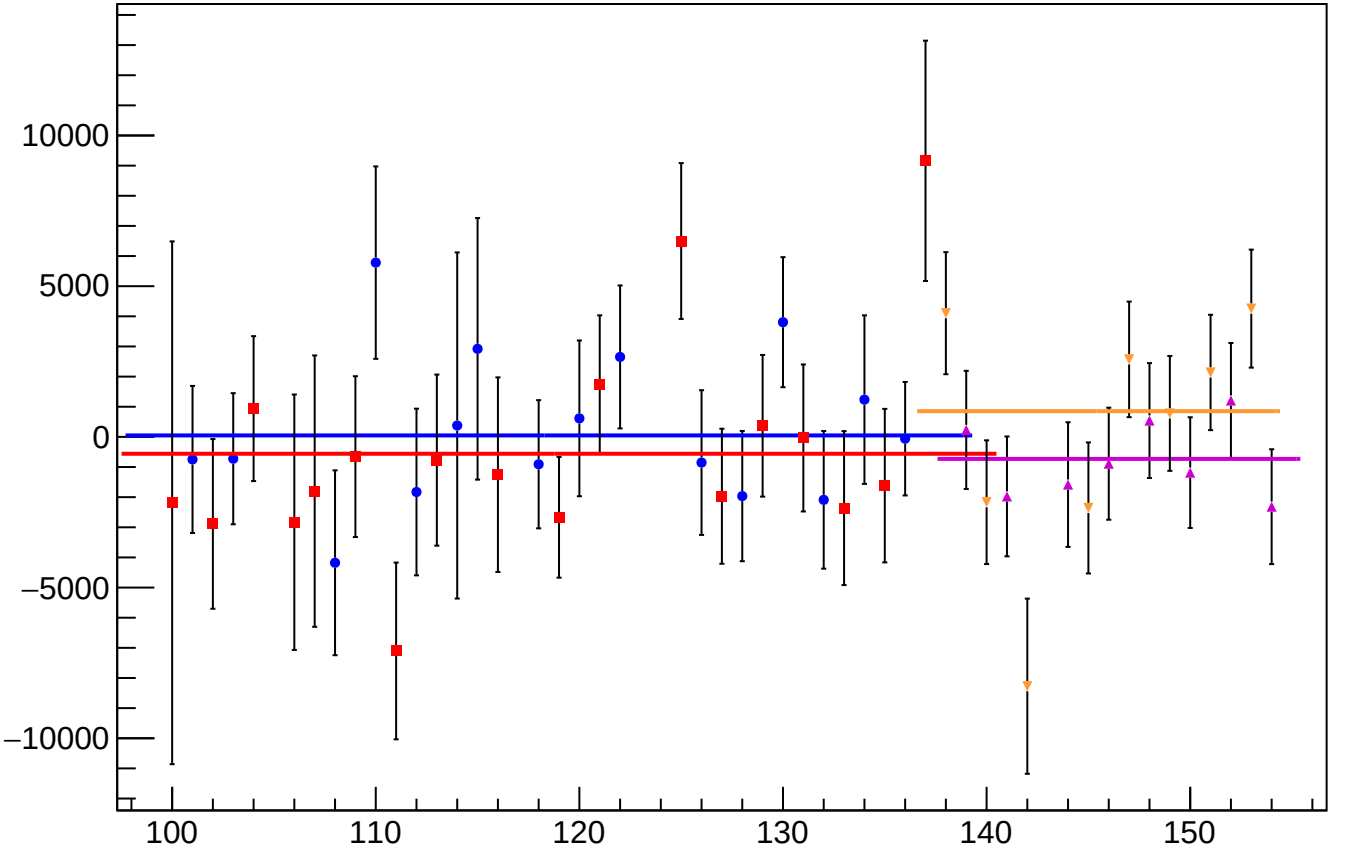
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2875.509+/-0.575 χ^2/NDF:3268076.0/23

Out: 443.598+/-0.167 χ^2/NDF:21314730.1/27

All: 632.160+/-0.160 χ^2/NDF: 41075136.0/51

dit_asym_atl_dd_mean vs Slug, Sign Corrected



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: -730.305+/-680.747 χ^2/NDF:3.0/7

Left: 9.840+/-496.893 χ^2/NDF: 26.6/15

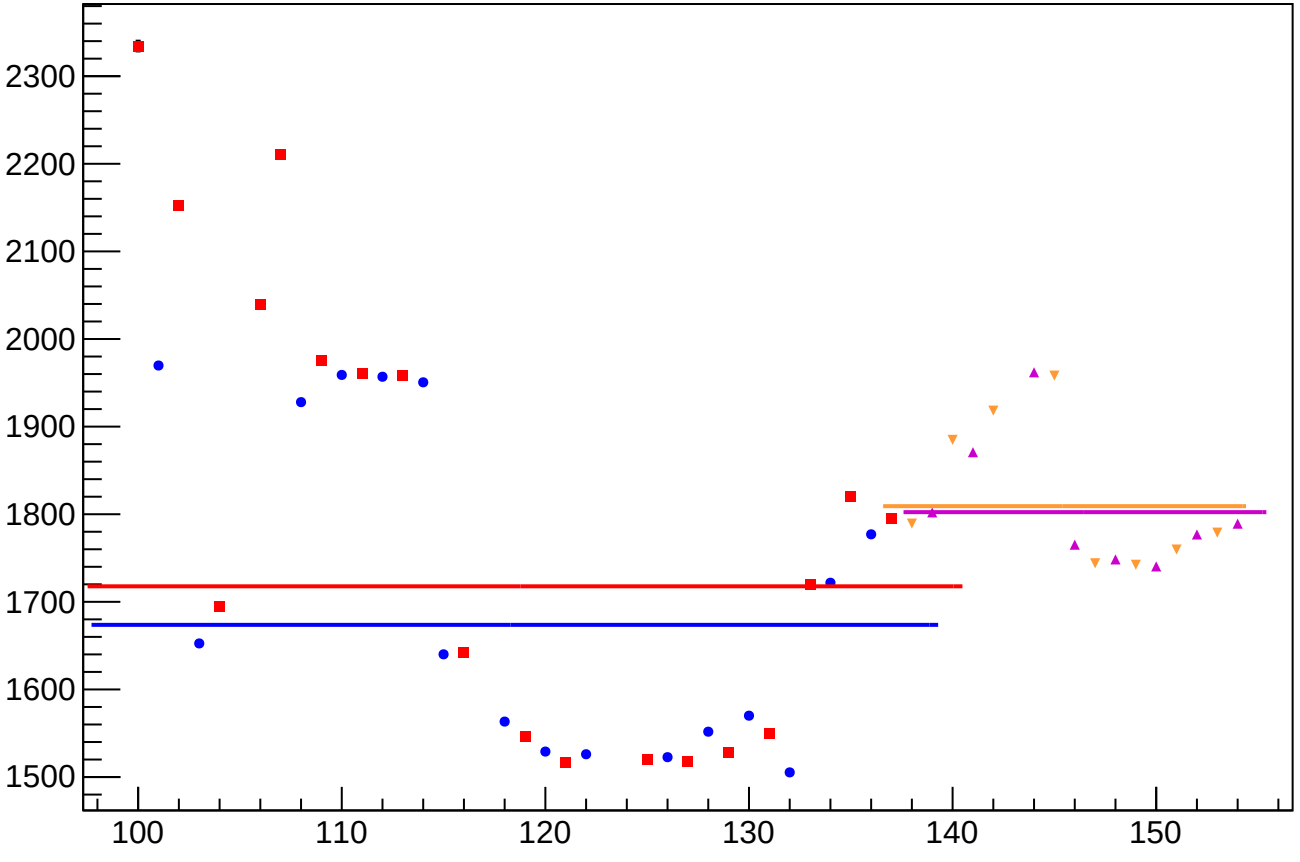
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -308.516+/-460.850 χ^2/NDF:16.6/23

Out: 63.317+/-482.589 χ^2/NDF:46.4/25

All: -131.163+/-333.290 χ^2/NDF: 63.3/49

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: 1802.376+/-0.481 χ^2/NDF:19413.1/7

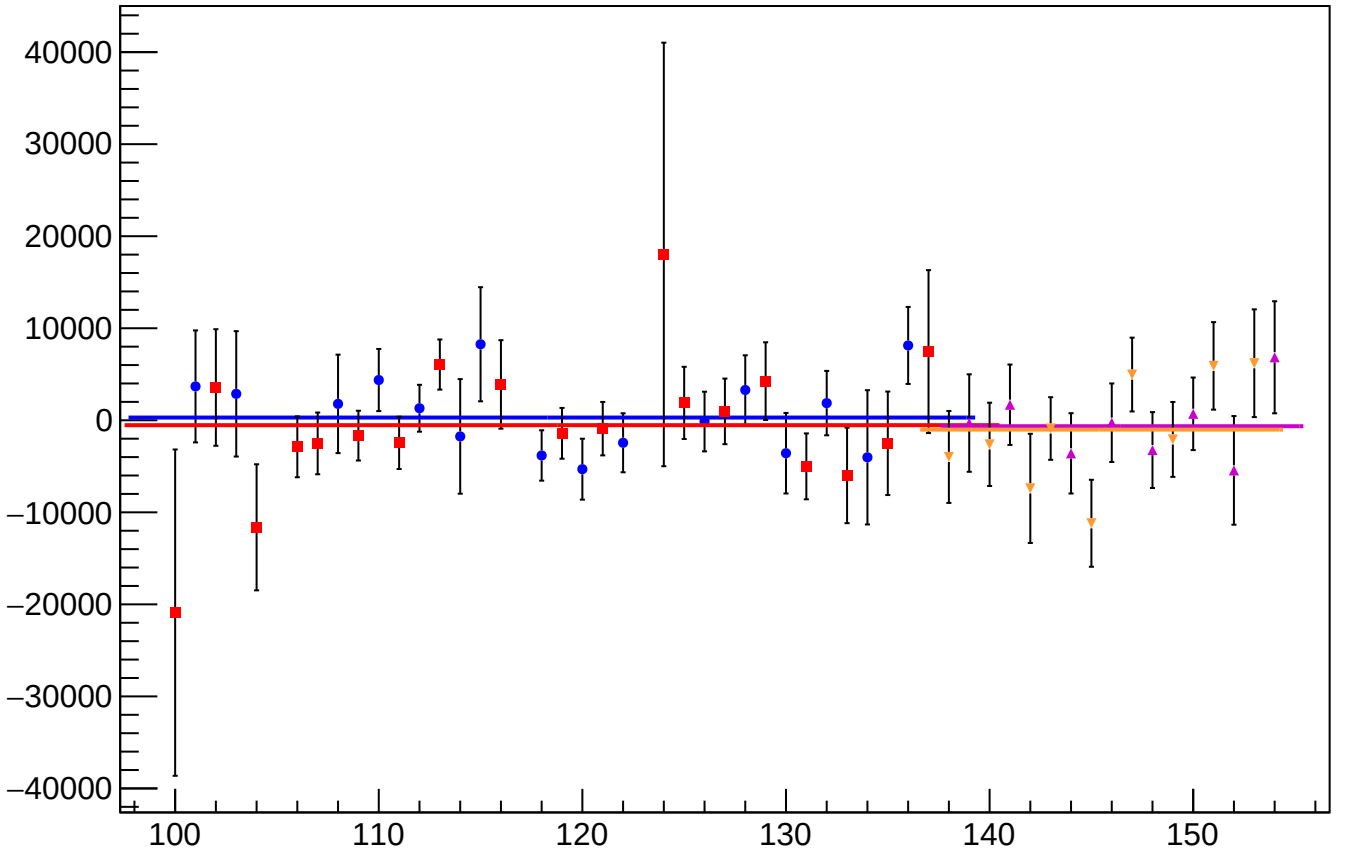
Left: 1805.563+/-0.351 χ^2/NDF: 41222.2/15

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1732.687+/-0.326 χ^2/NDF:198978.3/23

Out: 1757.926+/-0.341 χ^2/NDF:267109.3/25

All: 1744.742+/-0.236 χ^2/NDF: 468952.7/49



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: -645.117+/-1634.340 χ^2/NDF:3.4/7

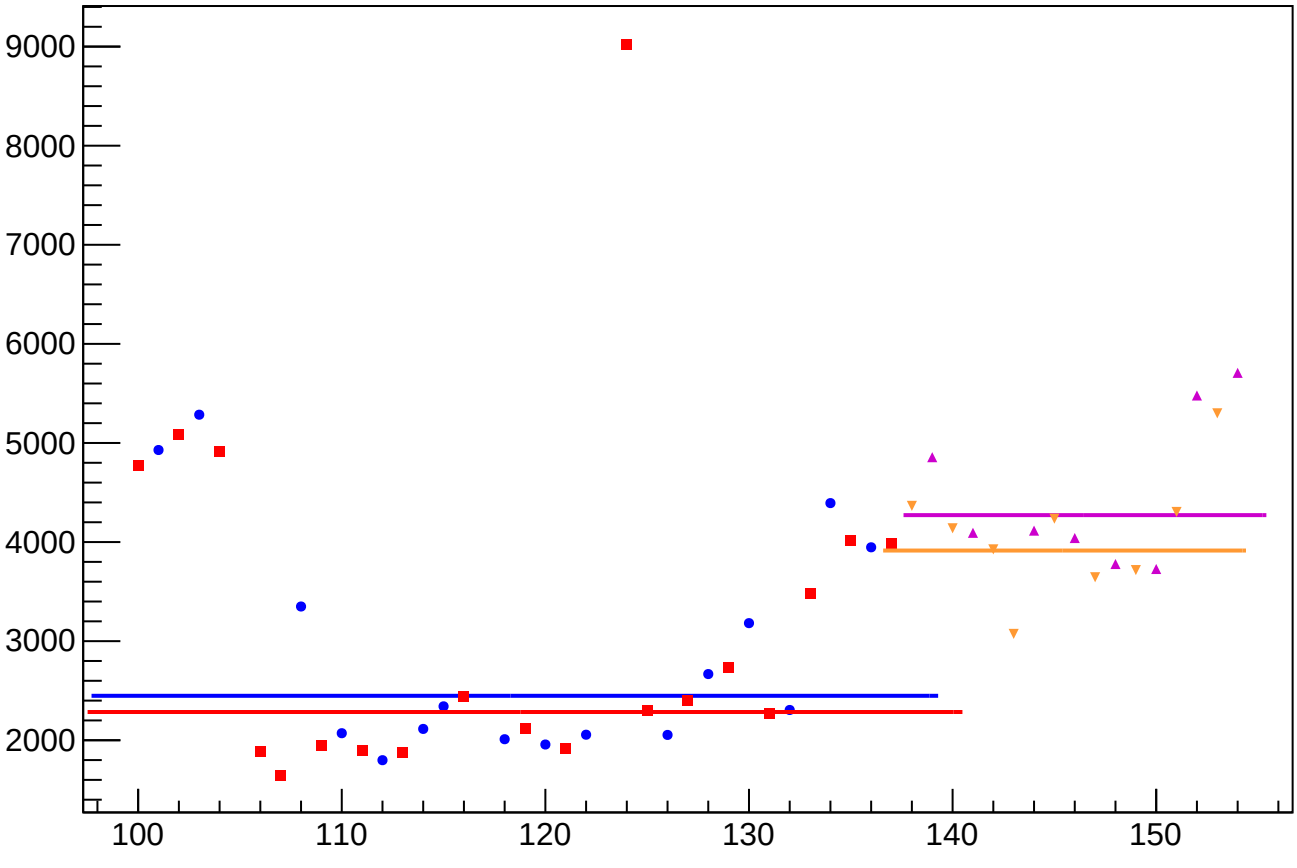
Left: -844.378+/-1105.022 χ^2/NDF: 15.7/16

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 53.216+/-830.754 χ^2/NDF:18.9/23

Out: -655.064+/-761.537 χ^2/NDF:31.0/27

All: -331.655+/-561.366 χ^2/NDF: 50.4/51



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: 4271.861+/-1.156 χ^2/NDF:297718.1/7

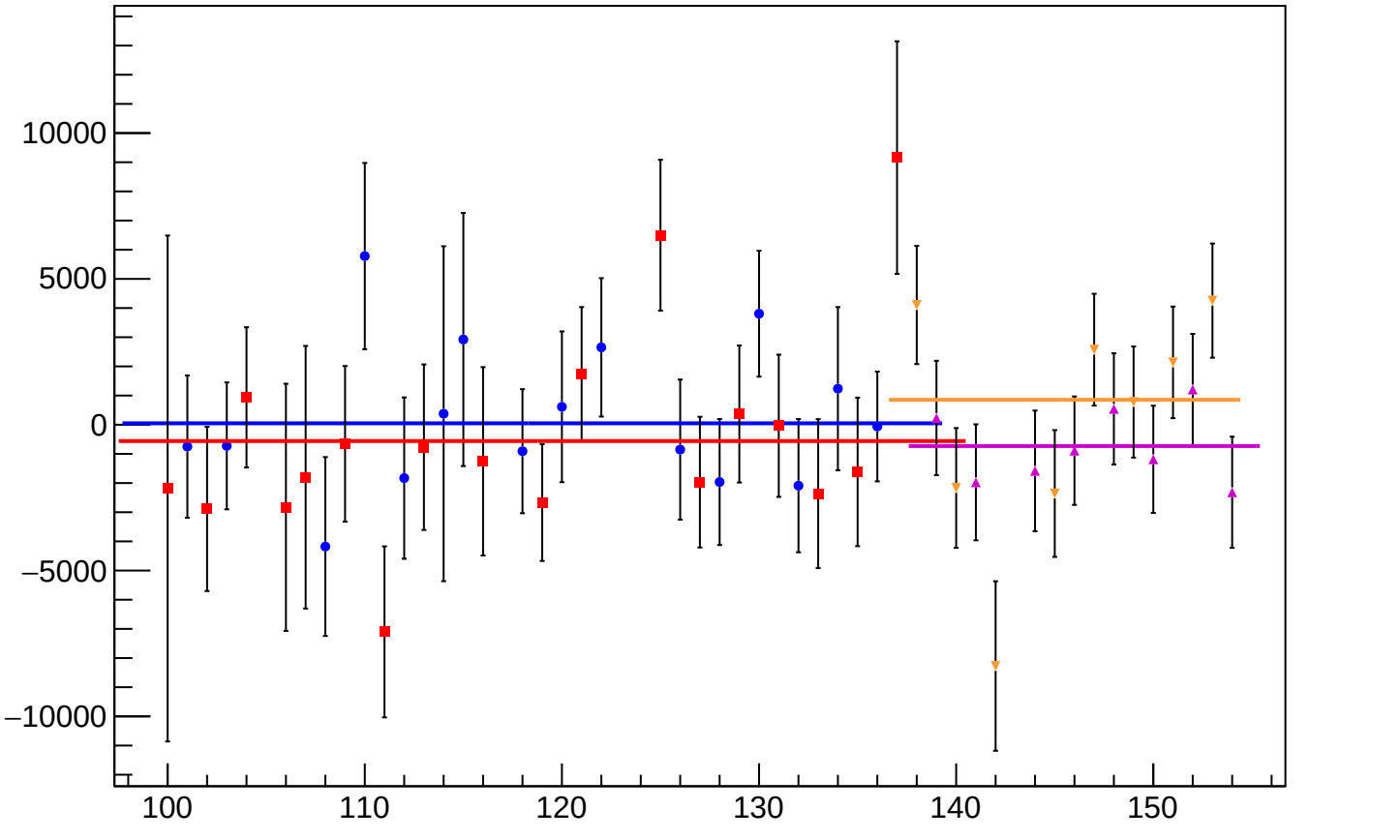
Left: 4077.860+/-0.781 χ^2/NDF: 641509.8/16

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2919.694+/-0.587 χ^2/NDF:3661275.1/23

Out: 2705.174+/-0.538 χ^2/NDF:3592719.7/27

All: 2803.127+/-0.397 χ^2/NDF: 7326460.4/51



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: -730.306+/-680.748 χ^2/NDF:3.0/7

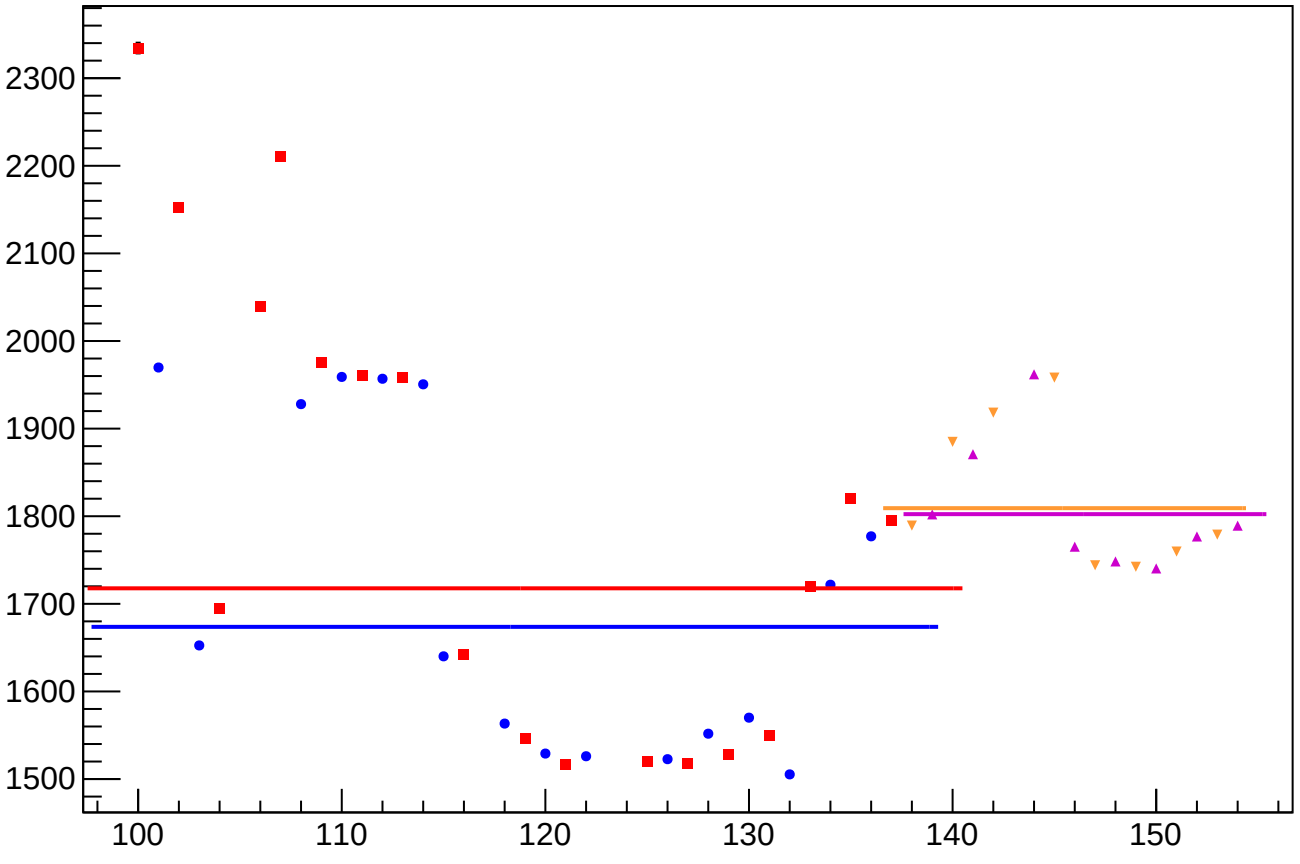
Left: 9.837+/-496.893 χ^2/NDF: 26.6/15

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -308.517+/-460.850 χ^2/NDF:16.6/23

Out: 63.314+/-482.589 χ^2/NDF:46.4/25

All: -131.165+/-333.291 χ^2/NDF: 63.3/49



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: 1802.377+/-0.481 χ^2/NDF:19413.3/7

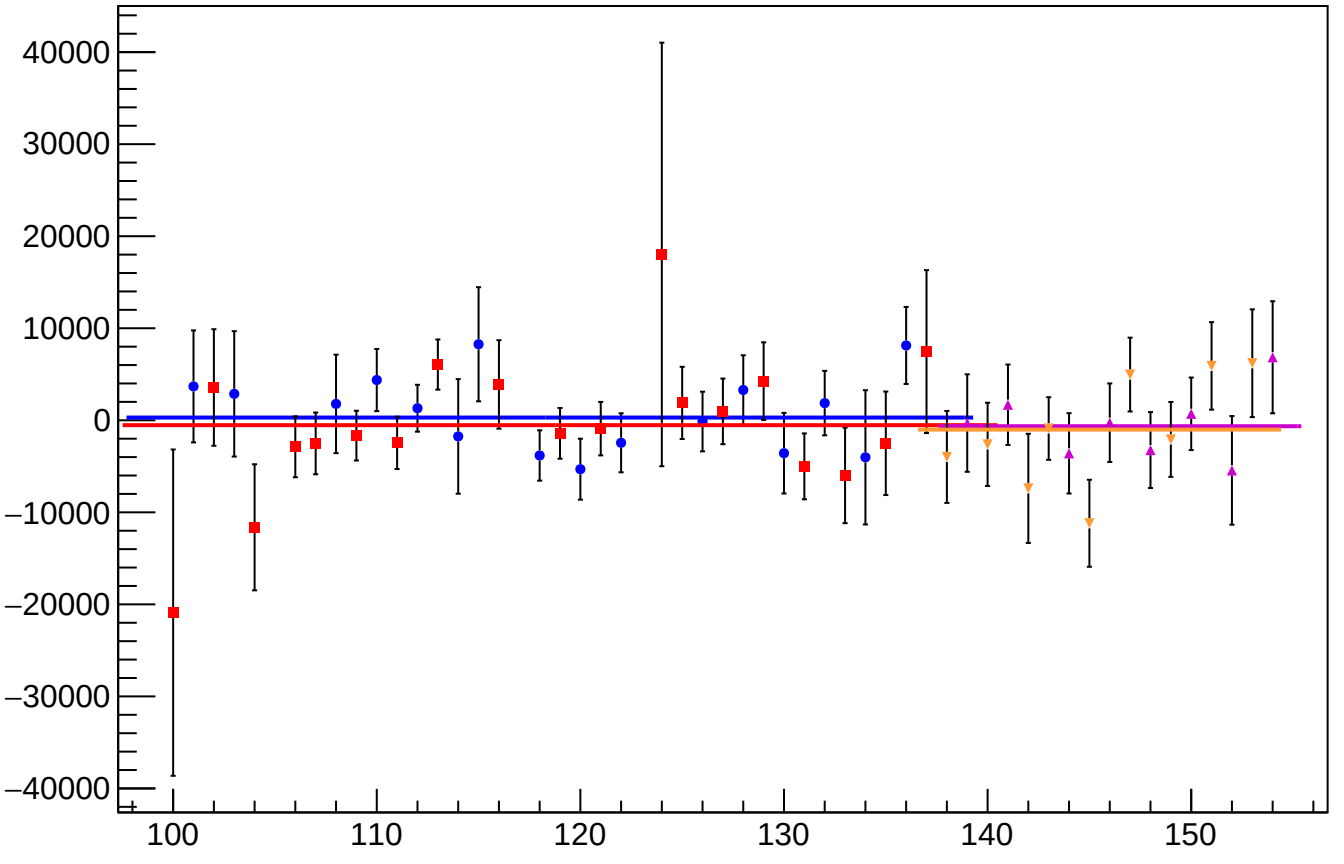
Left: 1805.564+/-0.351 χ^2/NDF: 41222.9/15

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1732.688+/-0.326 χ^2/NDF:198979.2/23

Out: 1757.927+/-0.341 χ^2/NDF:267109.4/25

All: 1744.742+/-0.236 χ^2/NDF: 468953.6/49



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: -645.119+/-1634.342 χ^2/NDF:3.4/7

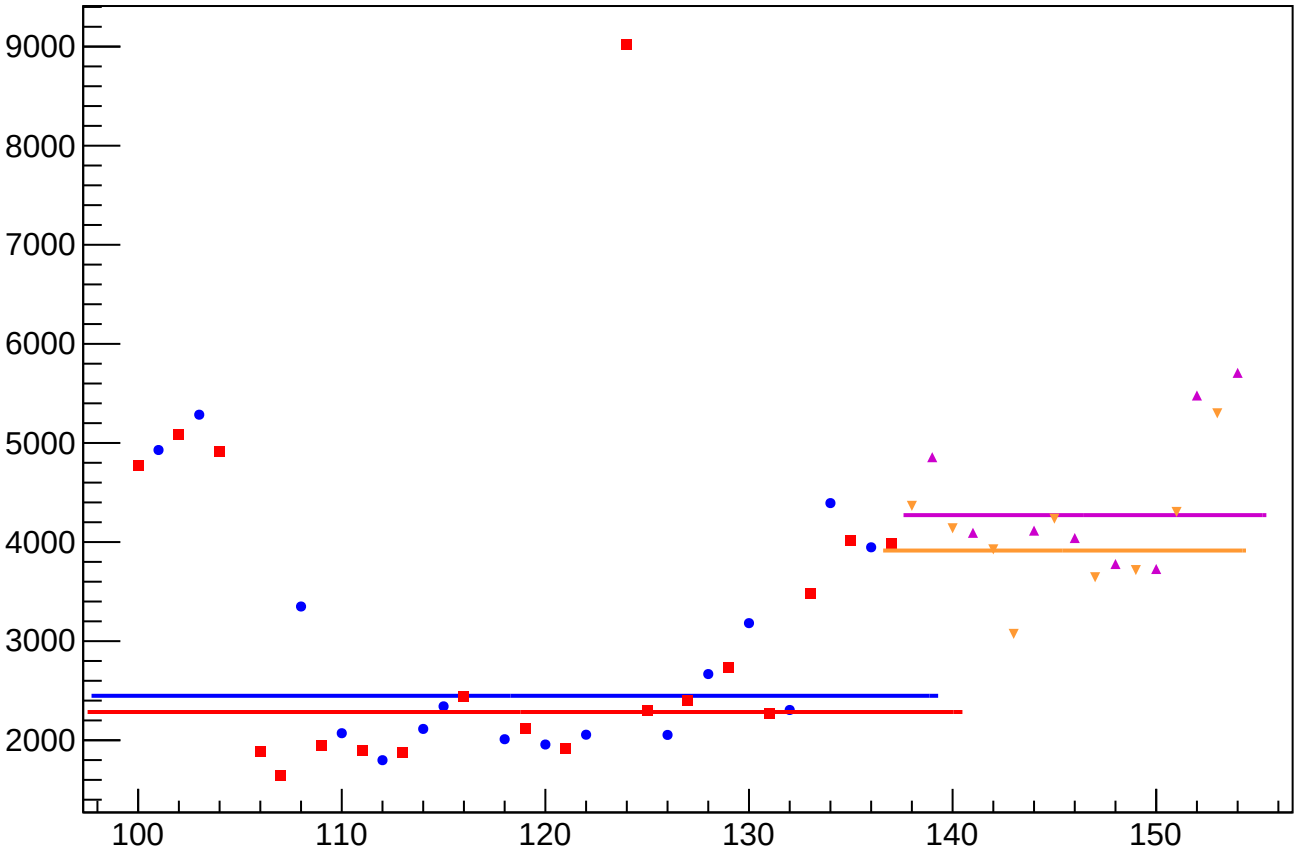
Left: -844.377+/-1105.023 χ^2/NDF: 15.7/16

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 53.214+/-830.752 χ^2/NDF:18.9/23

Out: -655.064+/-761.535 χ^2/NDF:31.0/27

All: -331.656+/-561.364 χ^2/NDF: 50.4/51



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: 4271.866+/-1.156 χ^2/NDF:297720.6/7

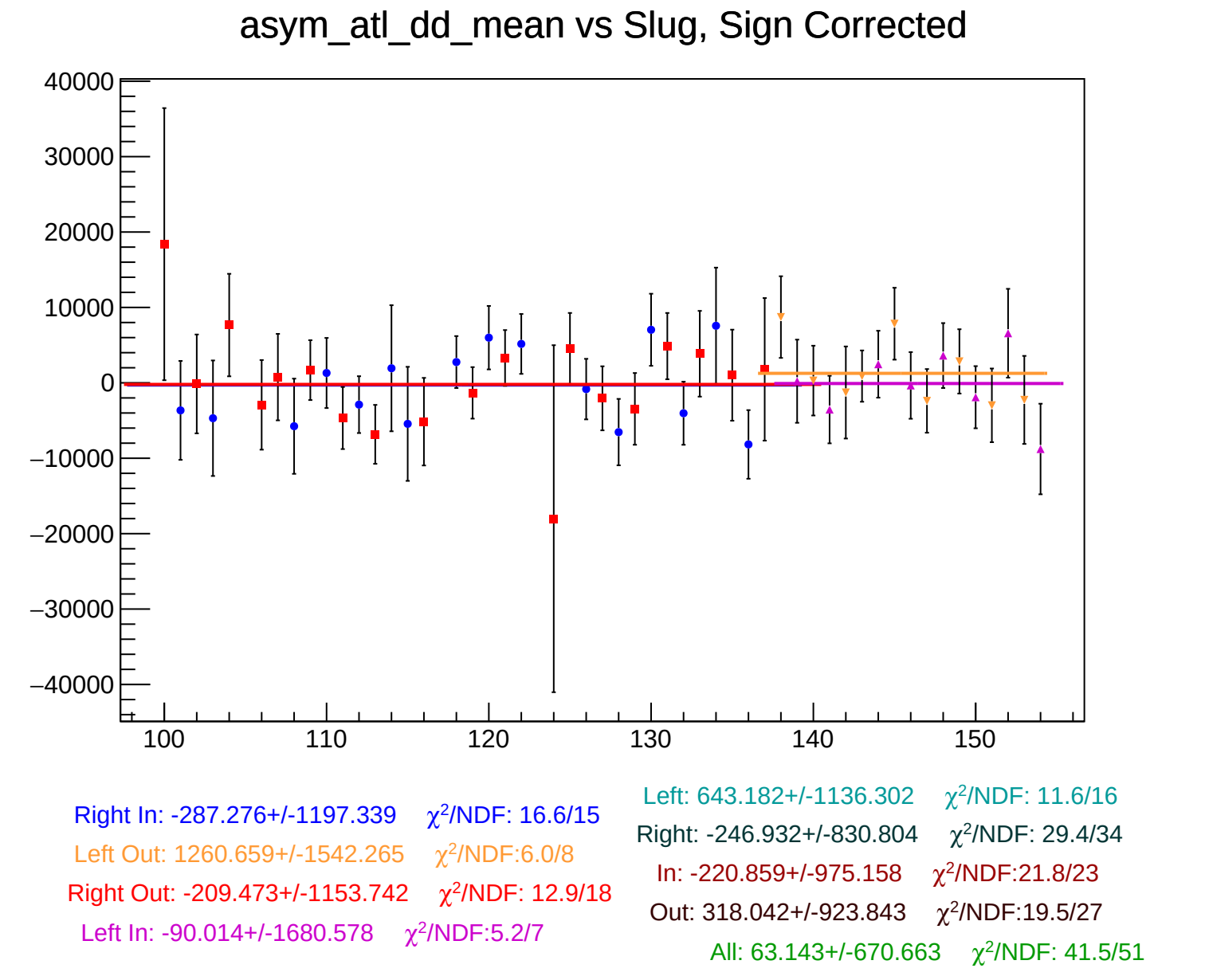
Left: 4077.865+/-0.781 χ^2/NDF: 641515.6/16

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

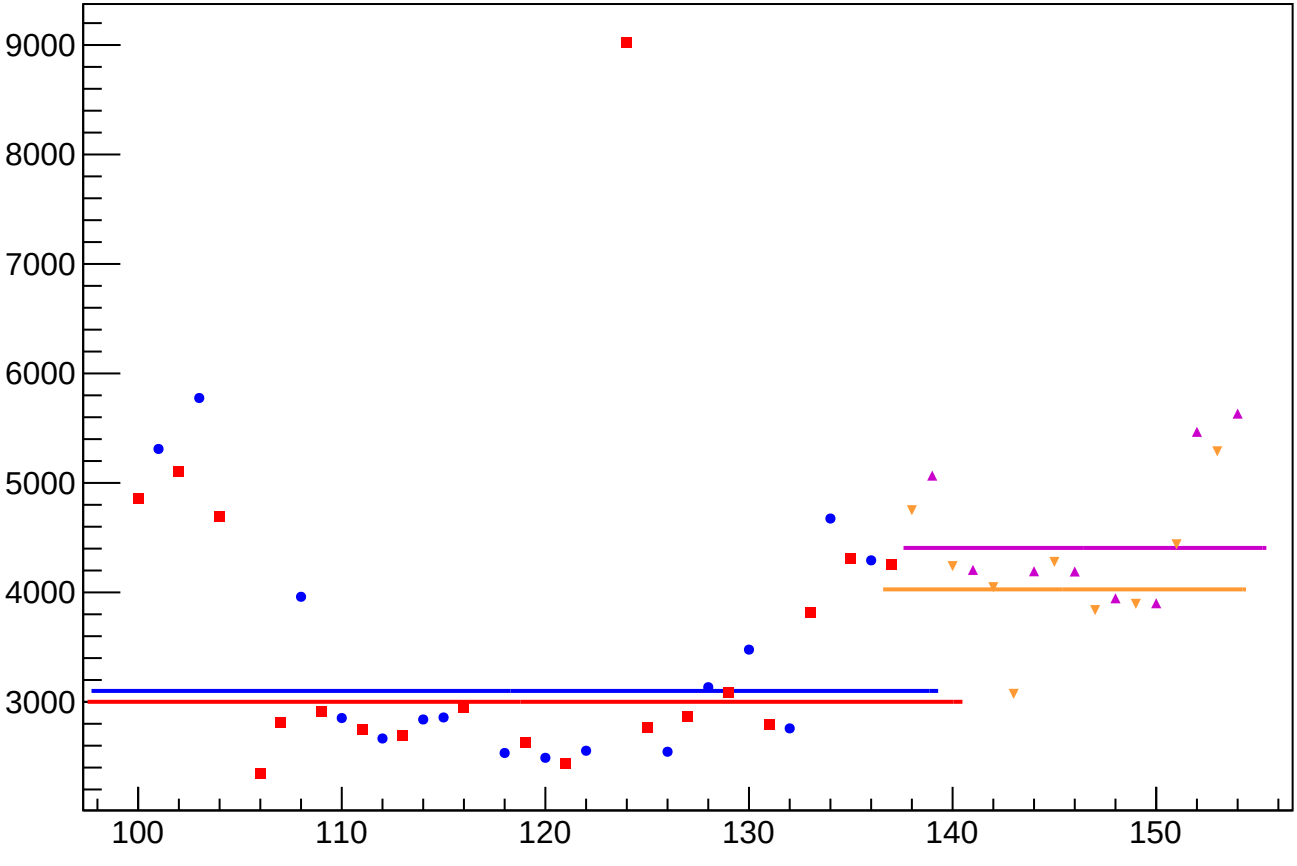
In: 2919.684+/-0.587 χ^2/NDF:3661322.5/23

Out: 2705.166+/-0.538 χ^2/NDF:3592758.3/27

All: 2803.117+/-0.397 χ^2/NDF: 7326545.3/51


asym_atl_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -287.276+/-1197.339 χ²/NDF: 16.6/15
Left Out: 1260.659+/-1542.265 χ²/NDF:6.0/8
Right Out: -209.473+/-1153.742 χ²/NDF: 12.9/18
Left In: -90.014+/-1680.578 χ²/NDF:5.2/7
Left: 643.182+/-1136.302 χ²/NDF: 11.6/16
Right: -246.932+/-830.804 χ²/NDF: 29.4/34
In: -220.859+/-975.158 χ²/NDF:21.8/23
Out: 318.042+/-923.843 χ²/NDF:19.5/27
All: 63.143+/-670.663 χ²/NDF: 41.5/51

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: 4406.224+/-1.188 χ^2/NDF:243298.0/7

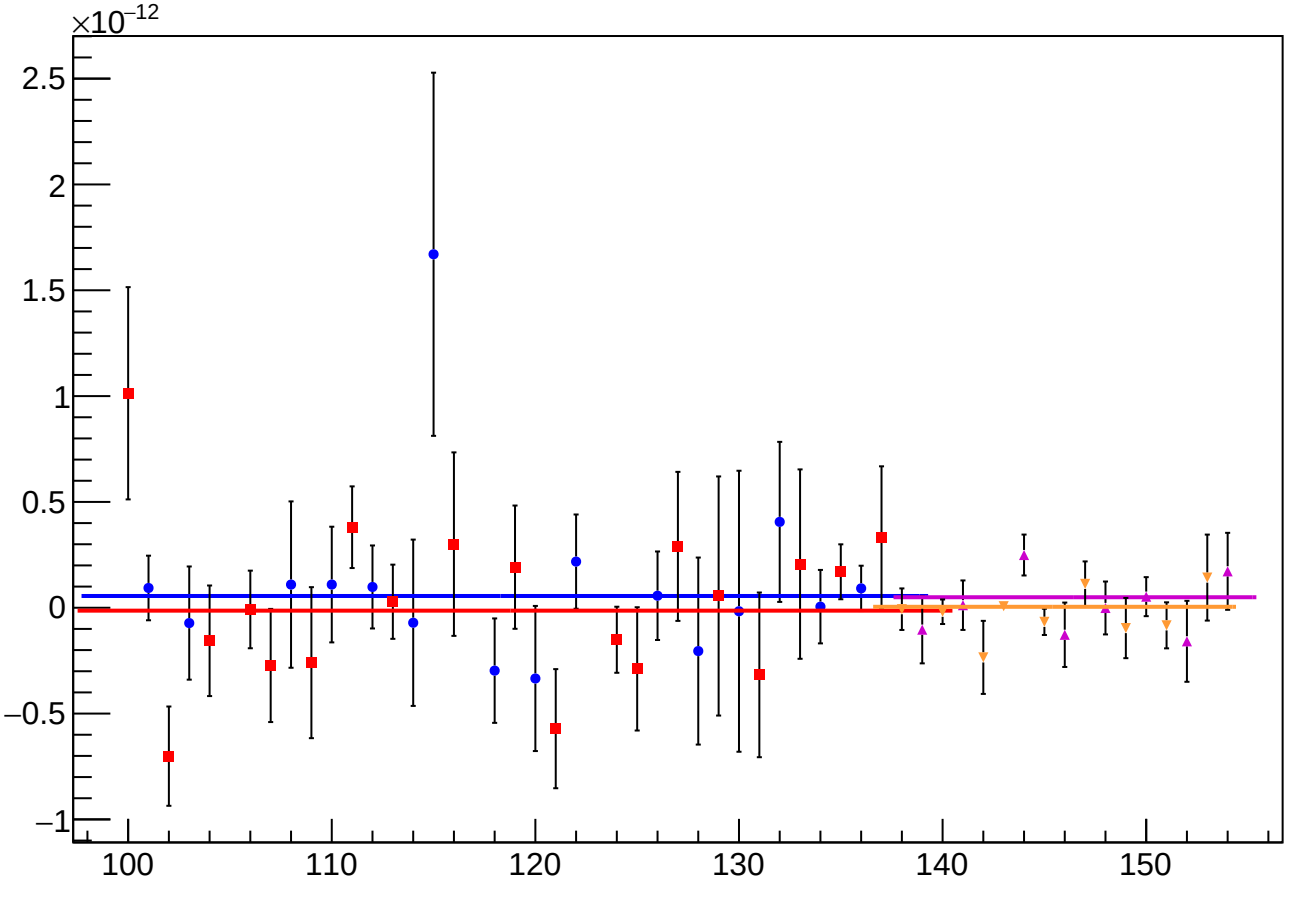
Left: 4200.677+/-0.803 χ^2/NDF: 614730.3/16

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3539.883+/-0.690 χ^2/NDF:2008229.8/23

Out: 3362.799+/-0.648 χ^2/NDF:1696875.4/27

All: 3445.787+/-0.472 χ^2/NDF: 3740151.0/51



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:8.5/7

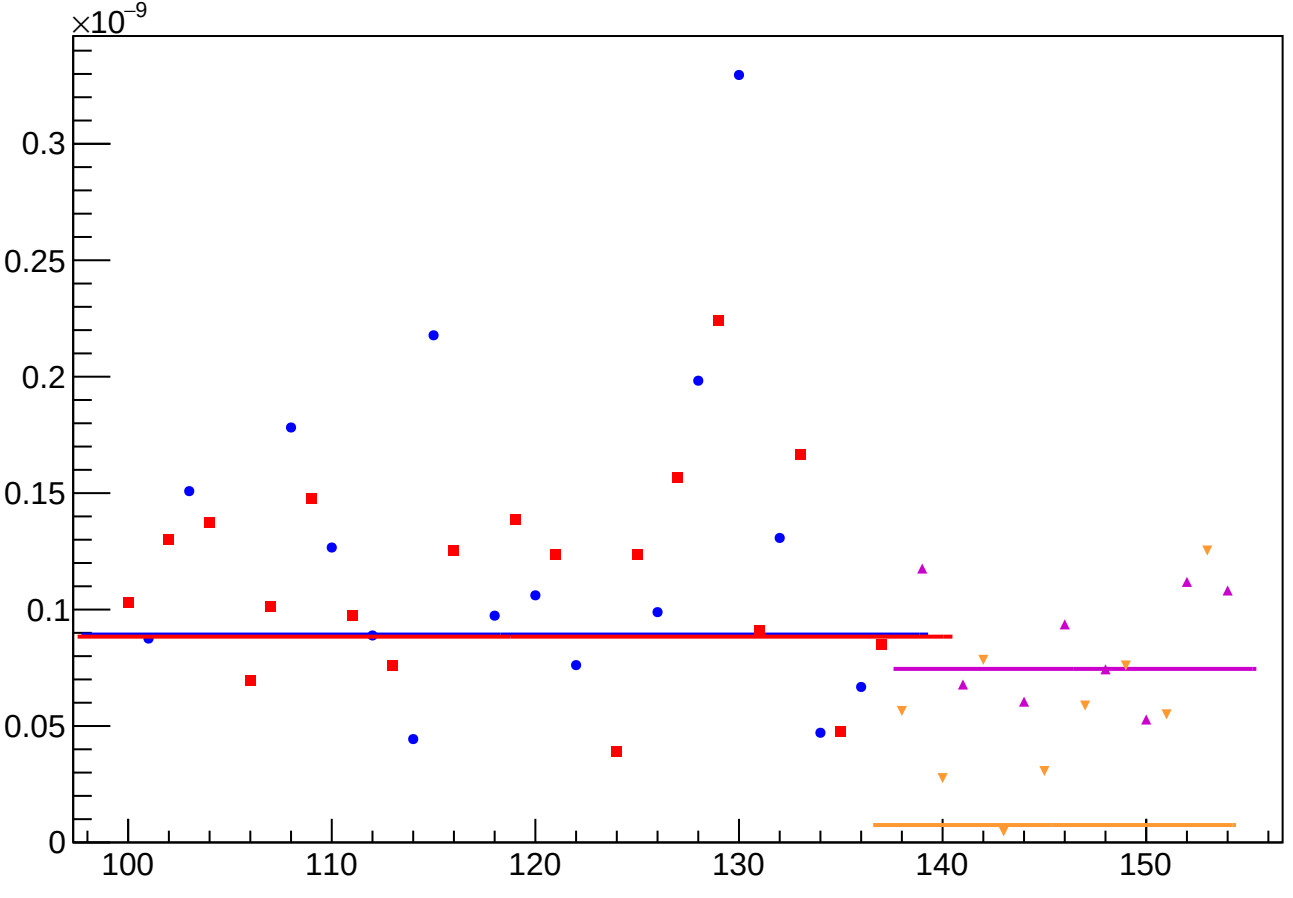
Left: 0.000+/-0.000 χ^2/NDF: 15.6/16

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:17.8/23

Out: 0.000+/-0.000 χ^2/NDF:36.3/27

All: 0.000+/-0.000 χ^2/NDF: 55.8/51



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:482962.9/7

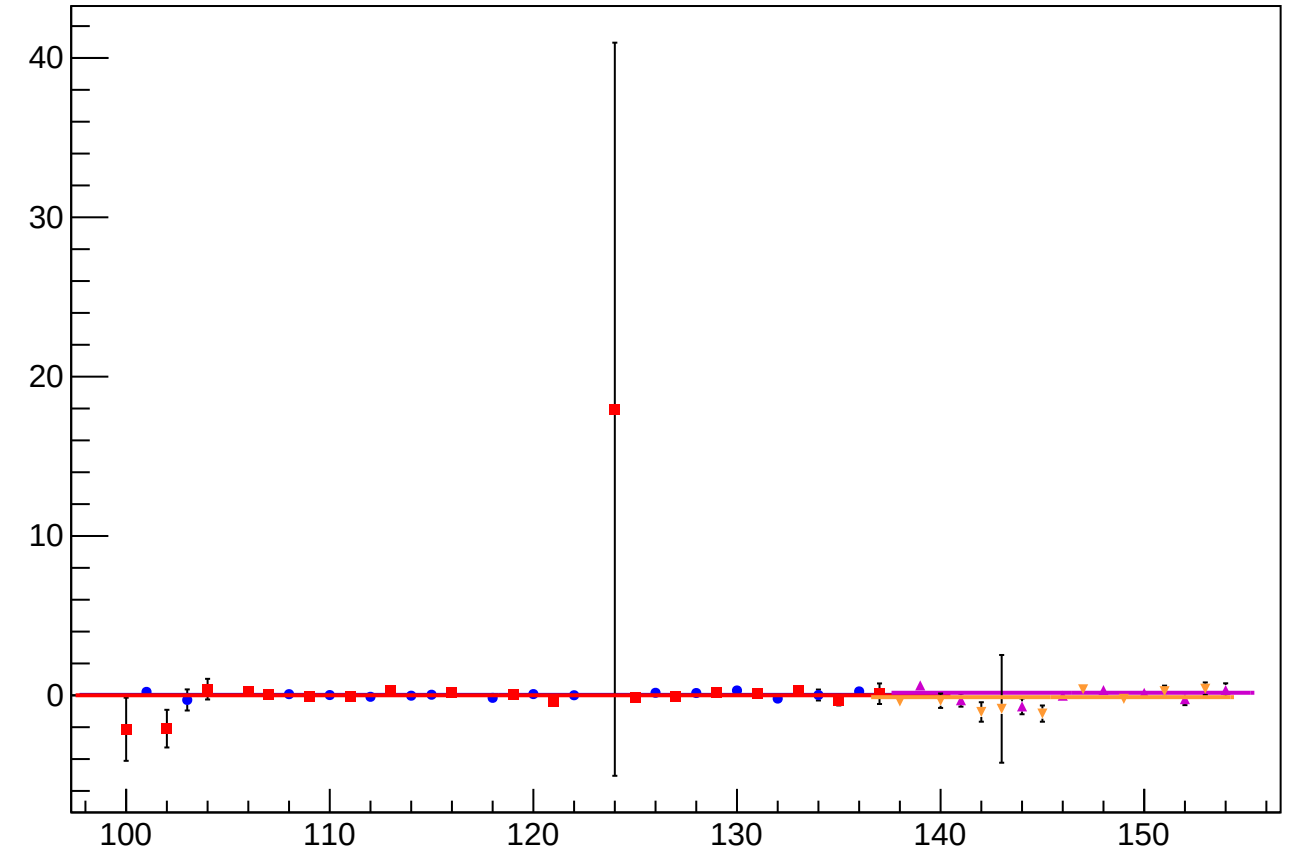
Left: 0.000+/-0.000 χ^2/NDF: 8364426.3/16

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1516474.5/23

Out: 0.000+/-0.000 χ^2/NDF:8653128.4/27

All: 0.000+/-0.000 χ^2/NDF: 17892911.6/51



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: 0.161+/-0.116 χ^2/NDF:10.2/7

Left: 0.037+/-0.086 χ^2/NDF: 26.1/16

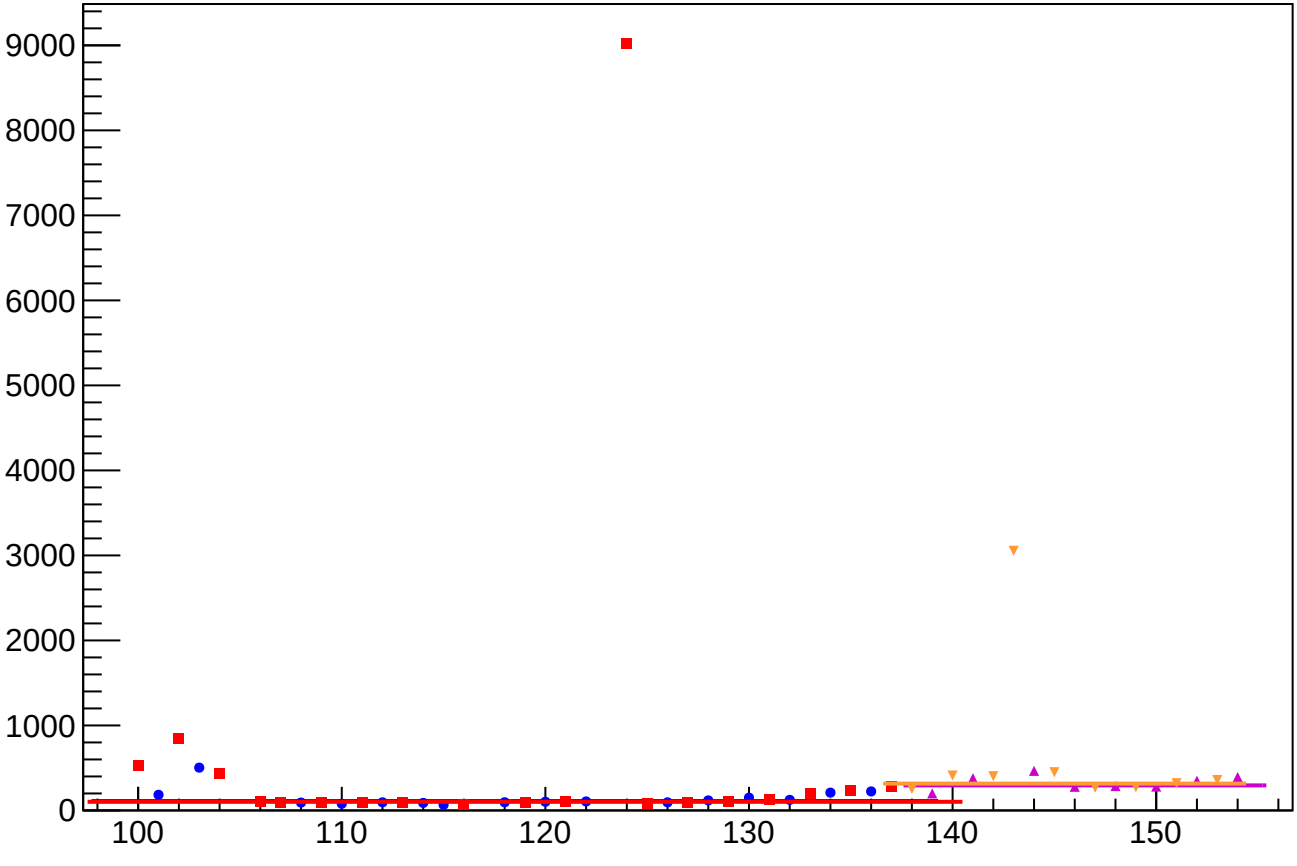
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.042 χ^2/NDF:20.2/23

Out: -0.009+/-0.041 χ^2/NDF:36.5/27

All: 0.018+/-0.029 χ^2/NDF: 57.6/51

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: 294.823+/-0.082 χ^2/NDF:823255.5/7

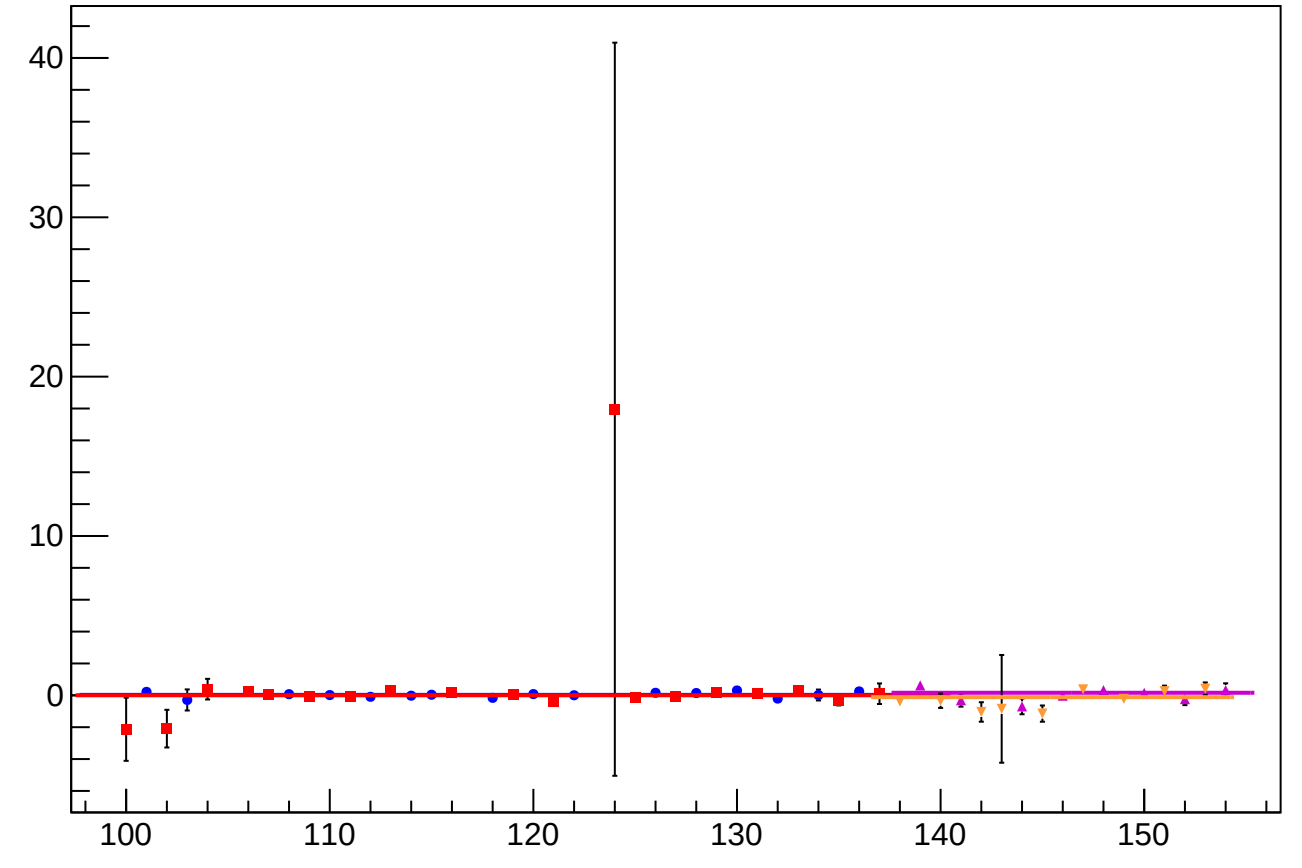
Left: 304.297+/-0.061 χ^2/NDF: 2638655.1/16

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 134.323+/-0.030 χ^2/NDF:7137379.8/23

Out: 123.658+/-0.029 χ^2/NDF:9338467.8/27

All: 128.848+/-0.021 χ^2/NDF: 16541374.2/51



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: 0.161+/-0.116 χ^2/NDF:10.2/7

Left: 0.037+/-0.086 χ^2/NDF: 26.1/16

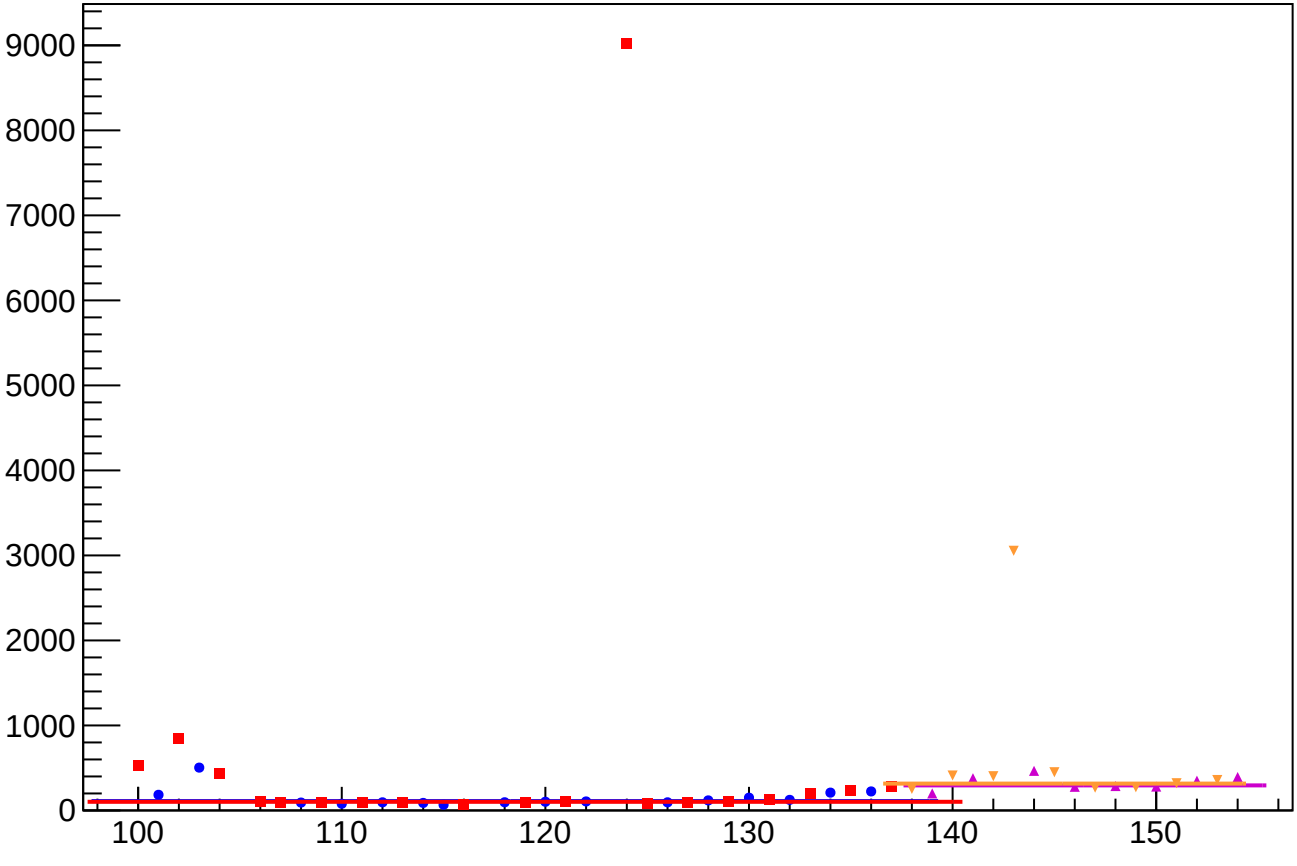
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.042 χ^2/NDF:20.2/23

Out: -0.009+/-0.041 χ^2/NDF:36.5/27

All: 0.018+/-0.029 χ^2/NDF: 57.6/51

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: 294.823+/-0.082 χ^2/NDF:823255.5/7

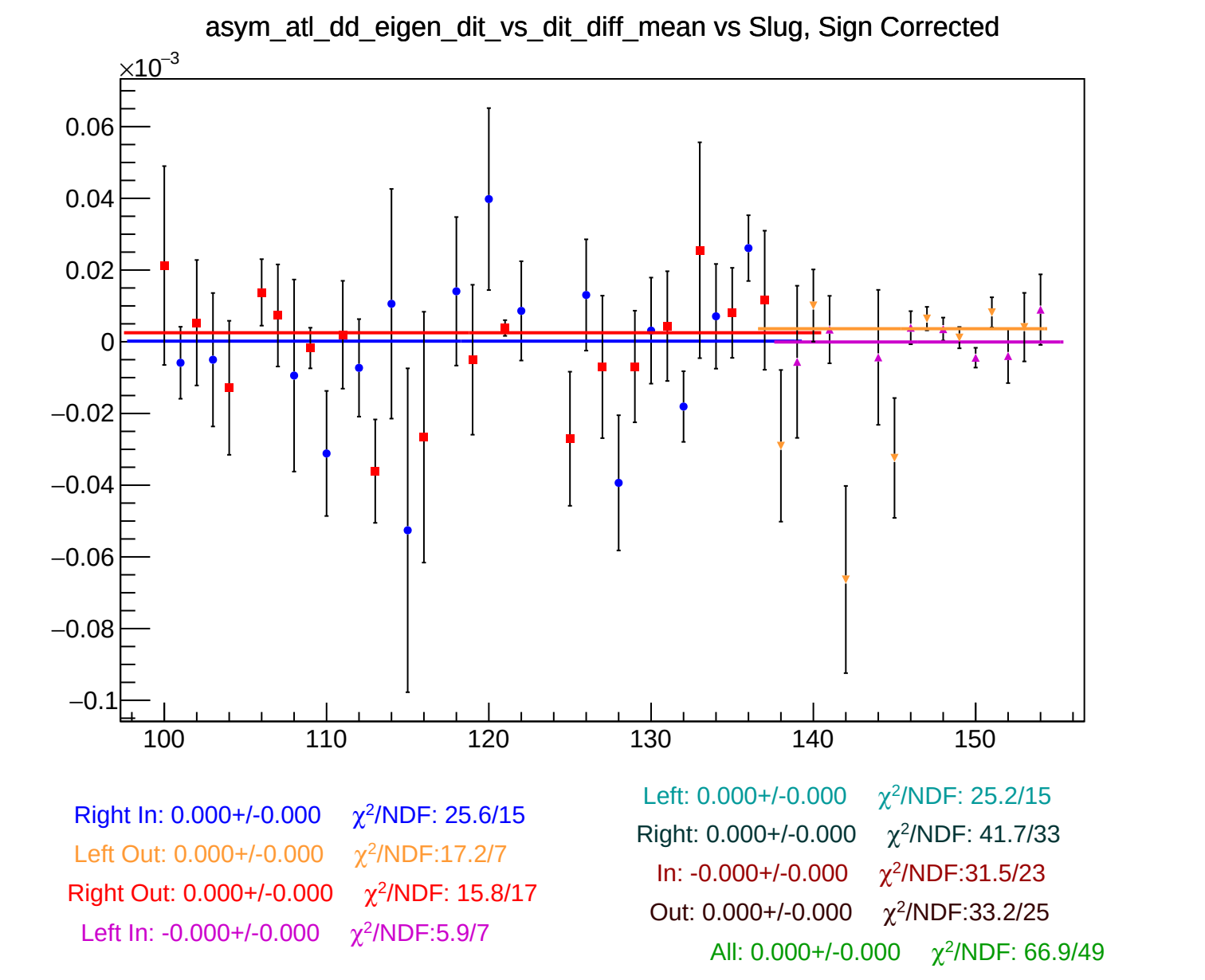
Left: 304.297+/-0.061 χ^2/NDF: 2638655.1/16

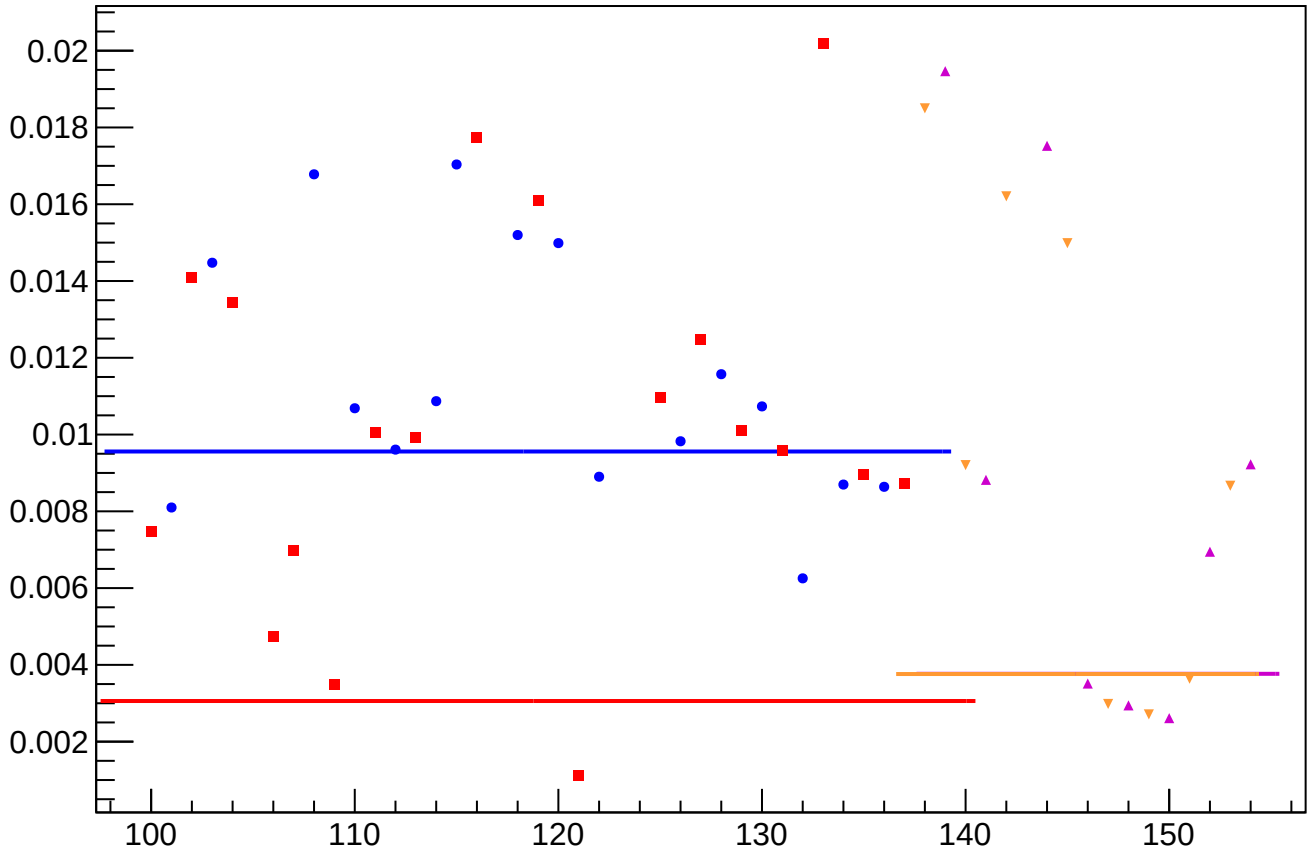
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 134.323+/-0.030 χ^2/NDF:7137379.8/23

Out: 123.658+/-0.029 χ^2/NDF:9338467.8/27

All: 128.848+/-0.021 χ^2/NDF: 16541374.2/51


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 25.6/15
Left Out: 0.000+/-0.000 χ²/NDF:17.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 15.8/17
Left In: -0.000+/-0.000 χ²/NDF:5.9/7
Left: 0.000+/-0.000 χ²/NDF: 25.2/15
Right: 0.000+/-0.000 χ²/NDF: 41.7/33
In: -0.000+/-0.000 χ²/NDF:31.5/23
Out: 0.000+/-0.000 χ²/NDF:33.2/25
All: 0.000+/-0.000 χ²/NDF: 66.9/49



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:4197410.3/7

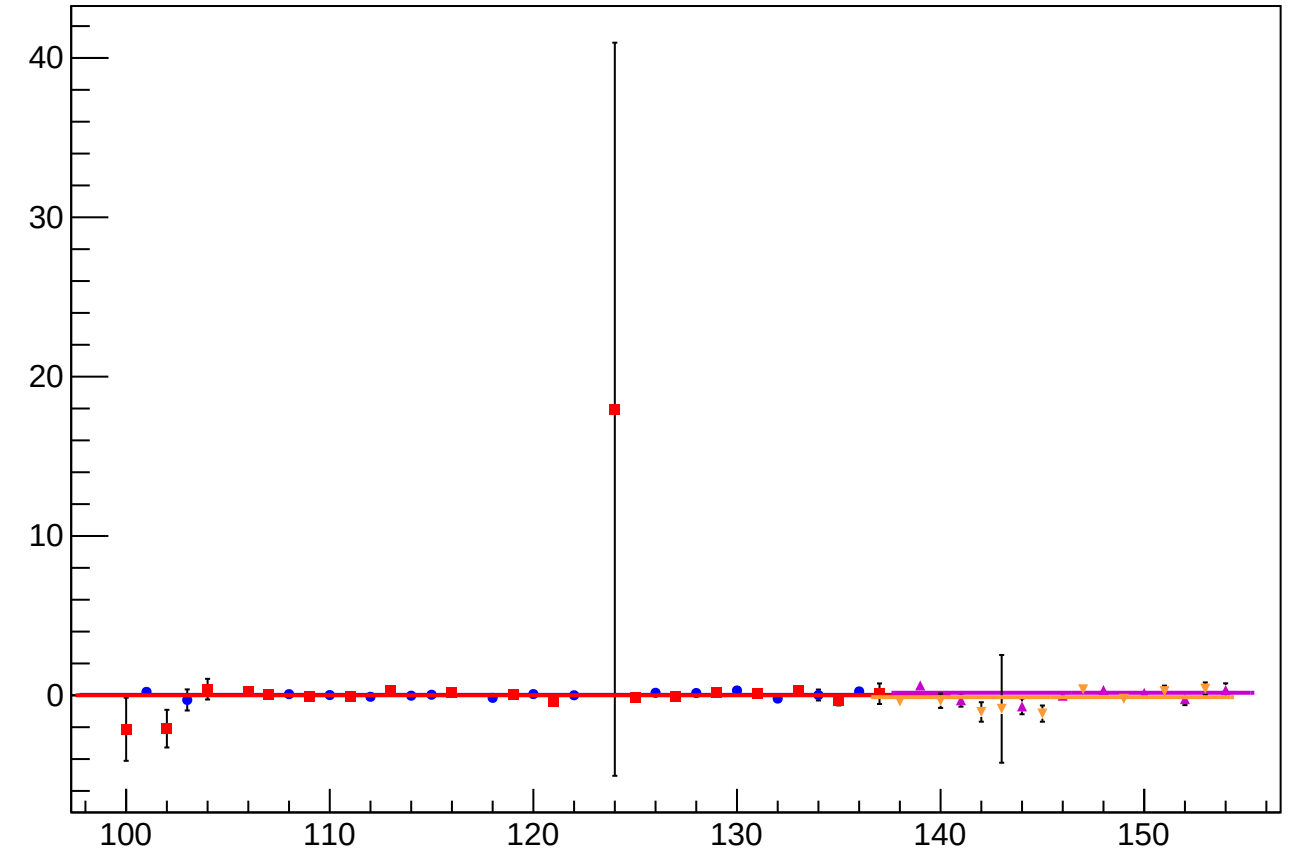
Left: 0.004+/-0.000 χ^2/NDF: 8002822.2/15

Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:9058352.1/23

Out: 0.003+/-0.000 χ^2/NDF:12073624.0/25

All: 0.004+/-0.000 χ^2/NDF: 22088939.3/49



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: 0.161+/-0.116 χ^2/NDF:10.2/7

Left: 0.037+/-0.086 χ^2/NDF: 26.1/16

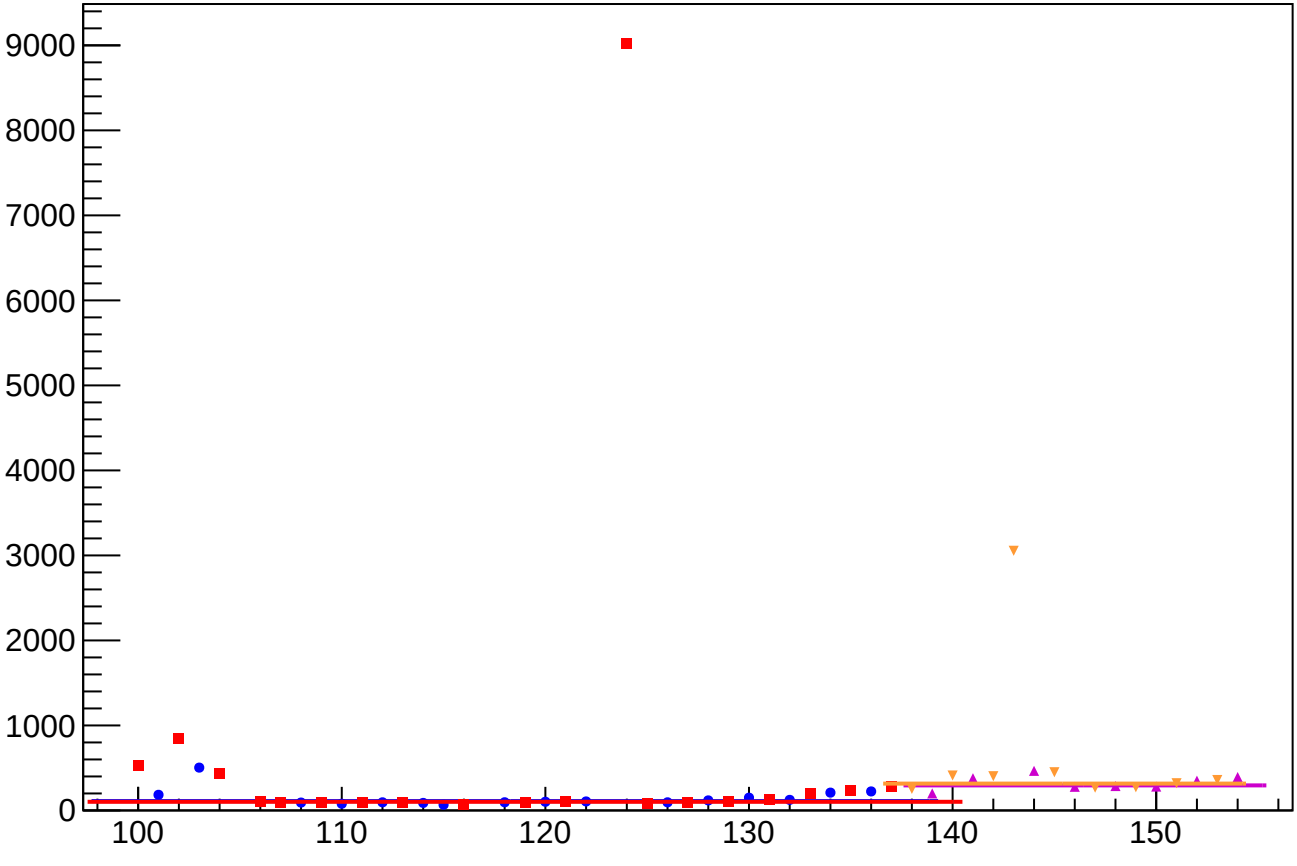
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.042 χ^2/NDF:20.2/23

Out: -0.009+/-0.041 χ^2/NDF:36.5/27

All: 0.018+/-0.029 χ^2/NDF: 57.6/51

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: 294.827+/-0.082 χ^2/NDF:823232.9/7

Left: 304.301+/-0.061 χ^2/NDF: 2638656.9/16

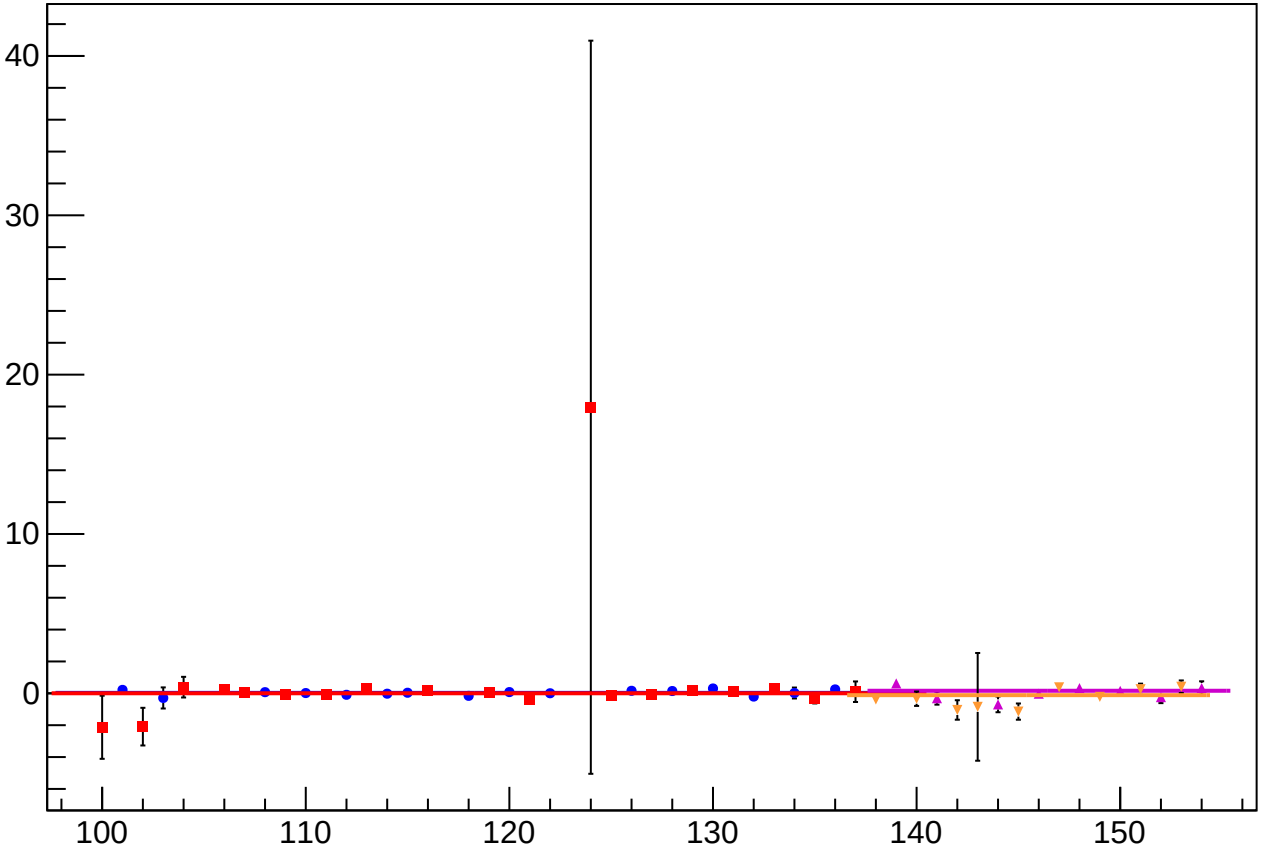
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 134.324+/-0.030 χ^2/NDF:7137336.3/23

Out: 123.659+/-0.029 χ^2/NDF:9338380.7/27

All: 128.849+/-0.021 χ^2/NDF: 16541237.9/51

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: 0.161+/-0.116 χ^2/NDF:10.2/7

Left: 0.037+/-0.086 χ^2/NDF: 26.1/16

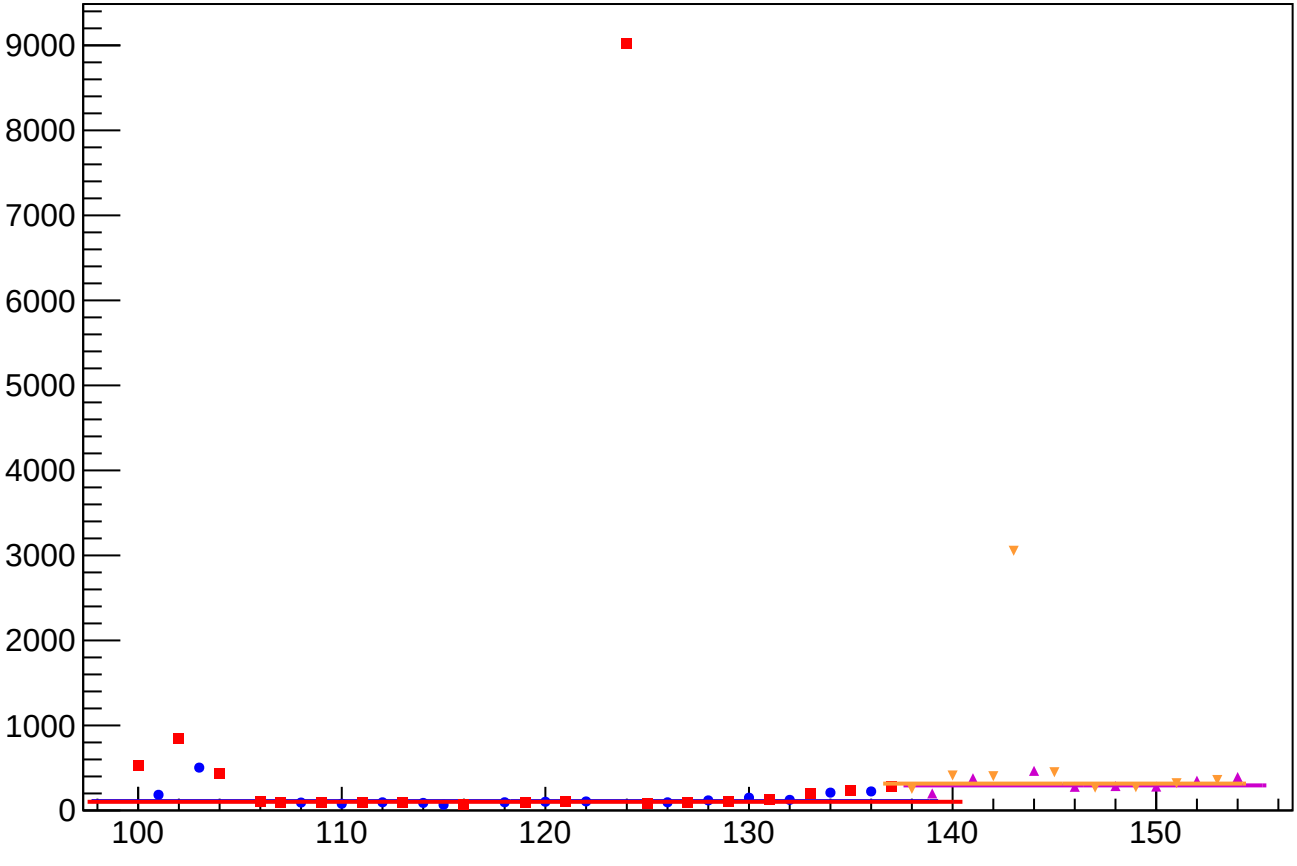
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.042 χ^2/NDF:20.2/23

Out: -0.009+/-0.041 χ^2/NDF:36.5/27

All: 0.018+/-0.029 χ^2/NDF: 57.6/51

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: 294.827+/-0.082 χ^2/NDF:823232.9/7

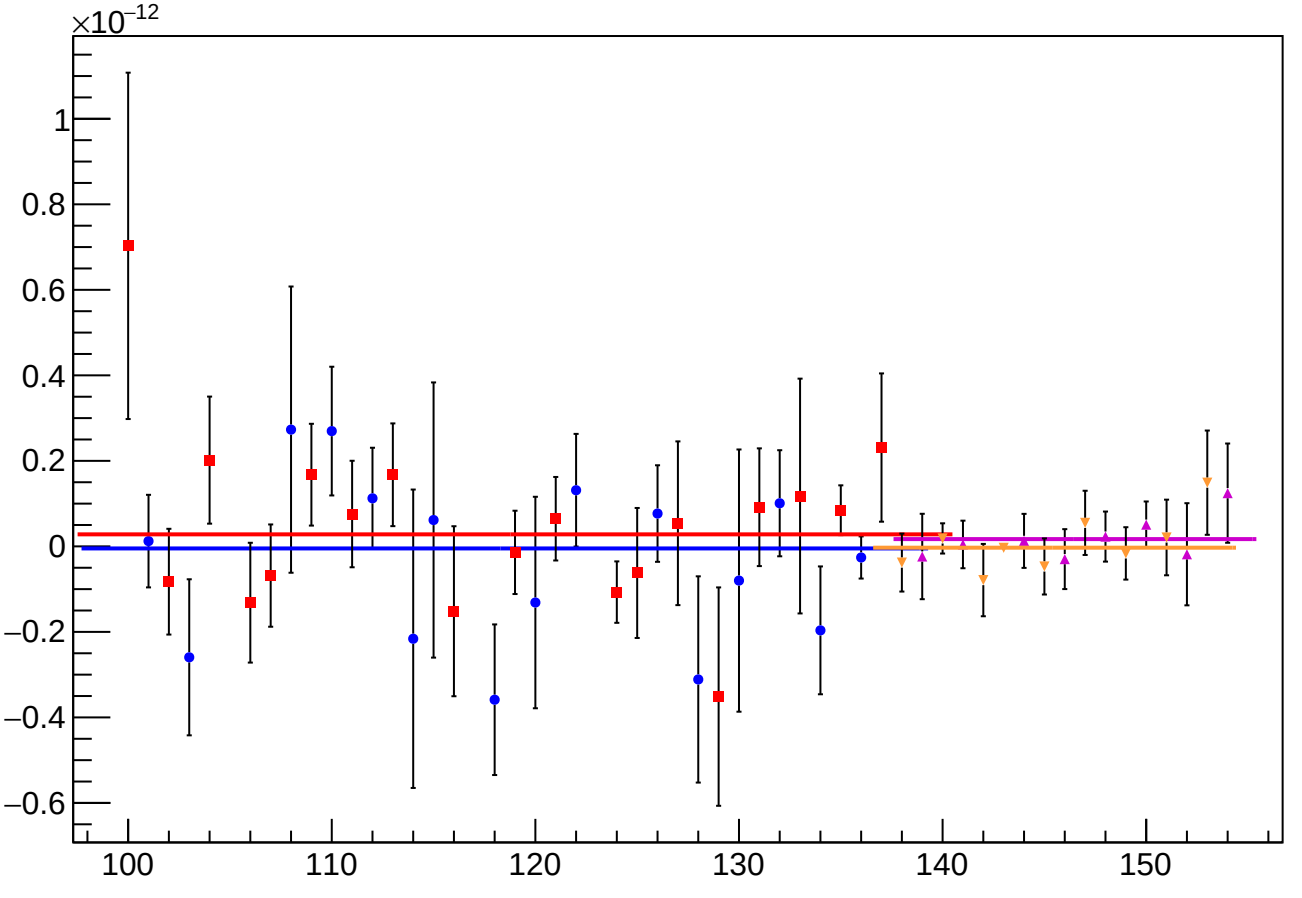
Left: 304.301+/-0.061 χ^2/NDF: 2638656.9/16

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 134.324+/-0.030 χ^2/NDF:7137336.3/23

Out: 123.659+/-0.029 χ^2/NDF:9338380.7/27

All: 128.849+/-0.021 χ^2/NDF: 16541237.9/51



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:2.0/7

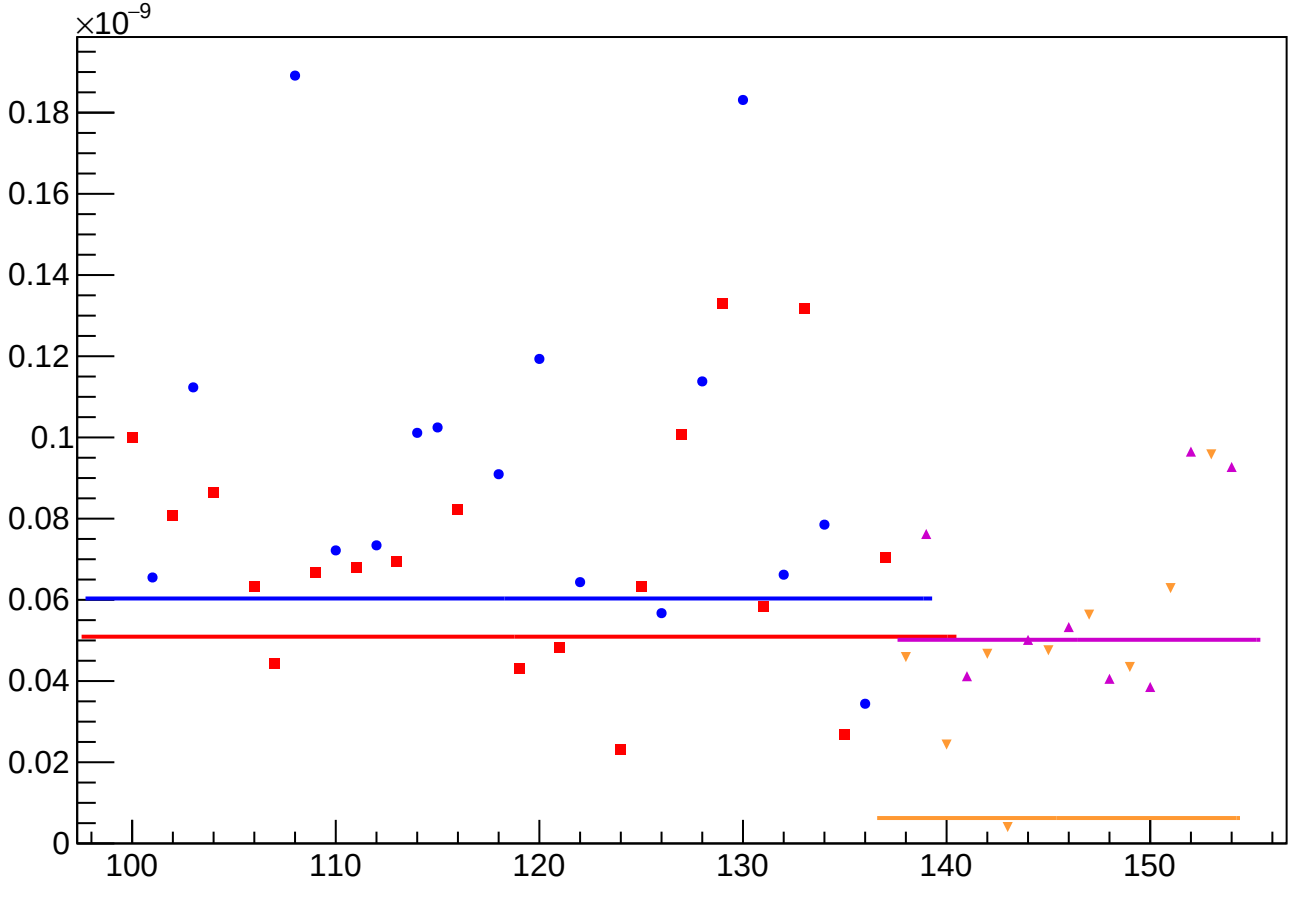
Left: -0.000+/-0.000 χ^2/NDF: 6.8/16

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:19.8/23

Out: -0.000+/-0.000 χ^2/NDF:25.1/27

All: -0.000+/-0.000 χ^2/NDF: 45.2/51



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:908210.7/7

Left: 0.000+/-0.000 χ^2/NDF: 13288291.1/16

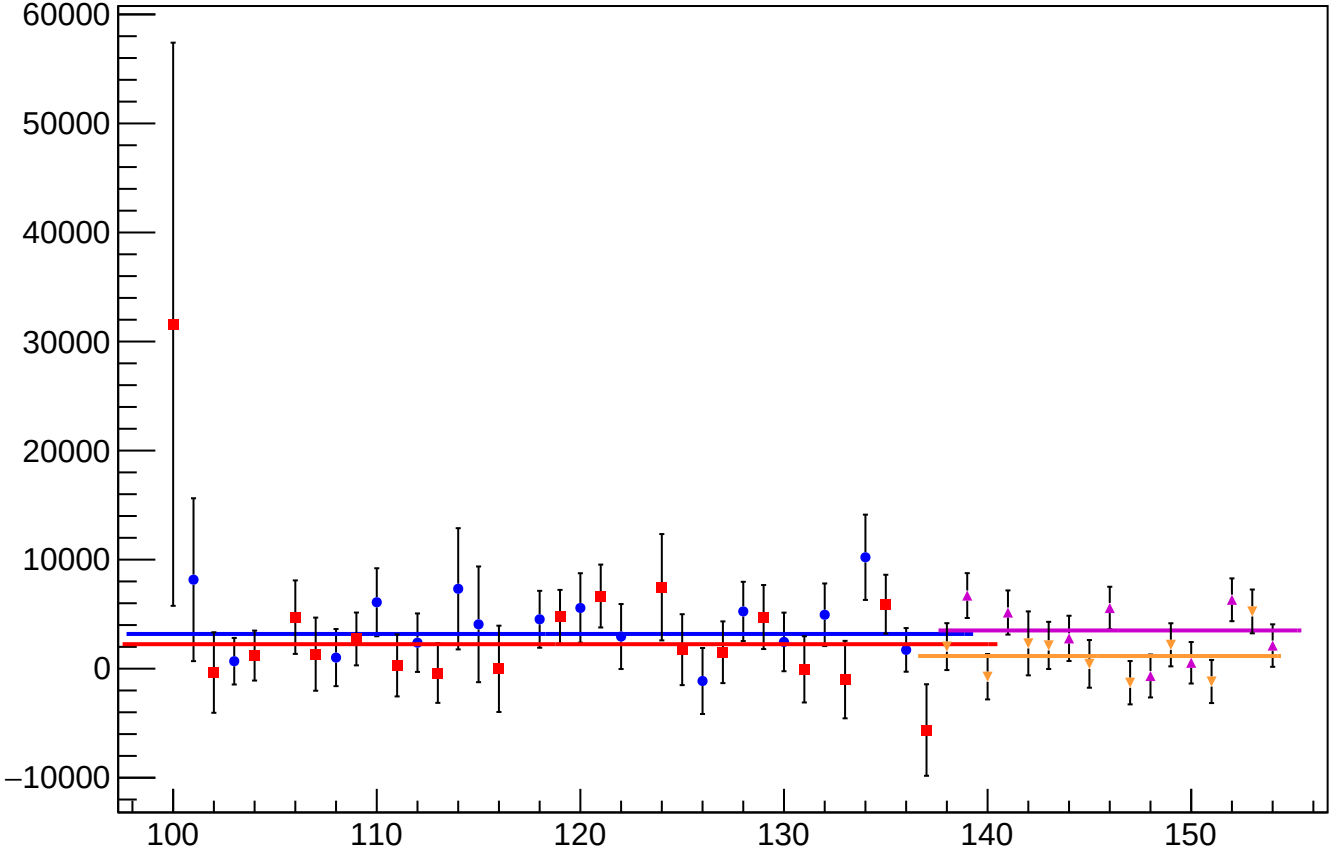
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2782634.9/23

Out: 0.000+/-0.000 χ^2/NDF:13153393.7/27

All: 0.000+/-0.000 χ^2/NDF: 26346131.8/51

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: 3504.193+/-701.414 χ^2/NDF:13.8/7

Left: 2340.969+/-498.003 χ^2/NDF: 28.1/16

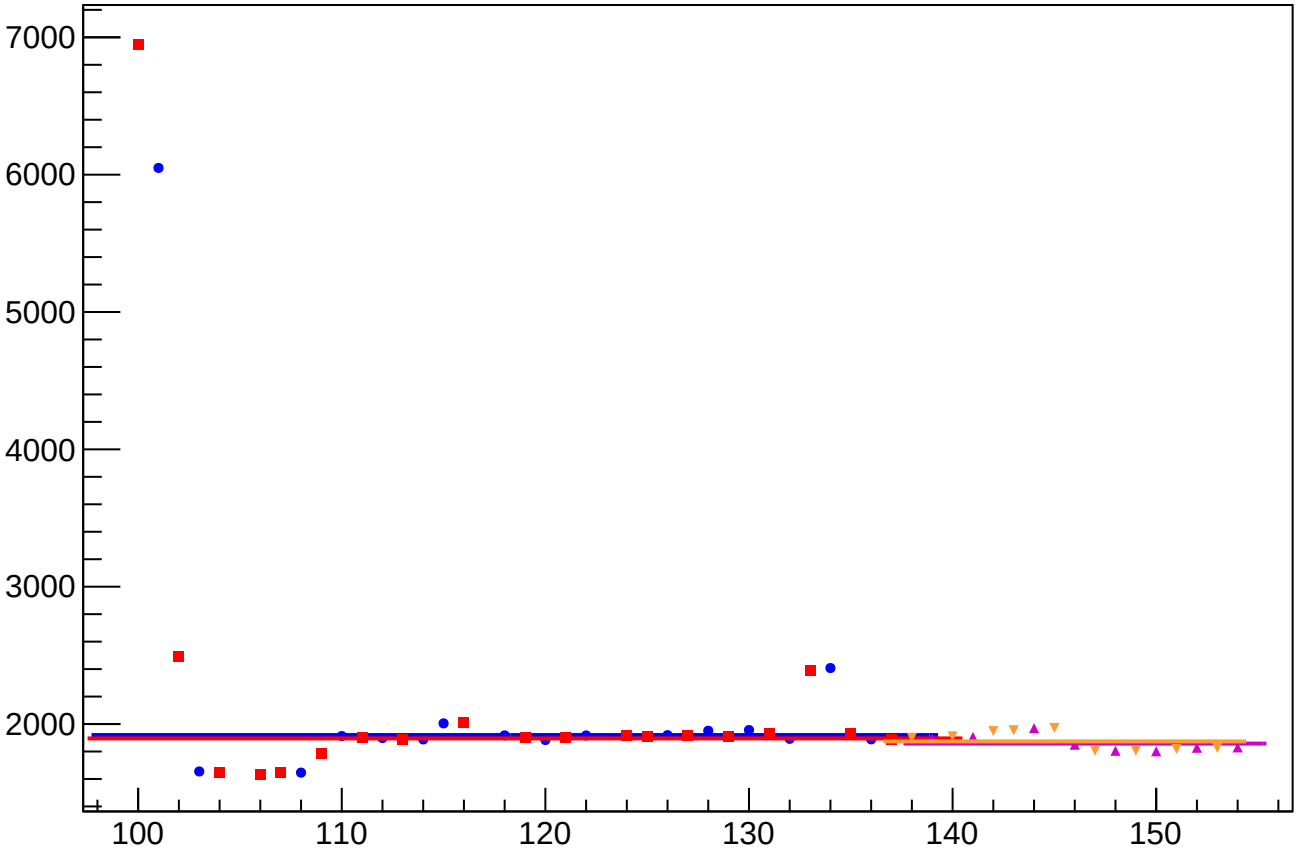
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3350.595+/-506.155 χ^2/NDF:25.6/23

Out: 1699.432+/-501.368 χ^2/NDF:26.5/27

All: 2517.169+/-356.201 χ^2/NDF: 57.4/51

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: 1857.782+/-0.496 χ^2/NDF:11676.1/7

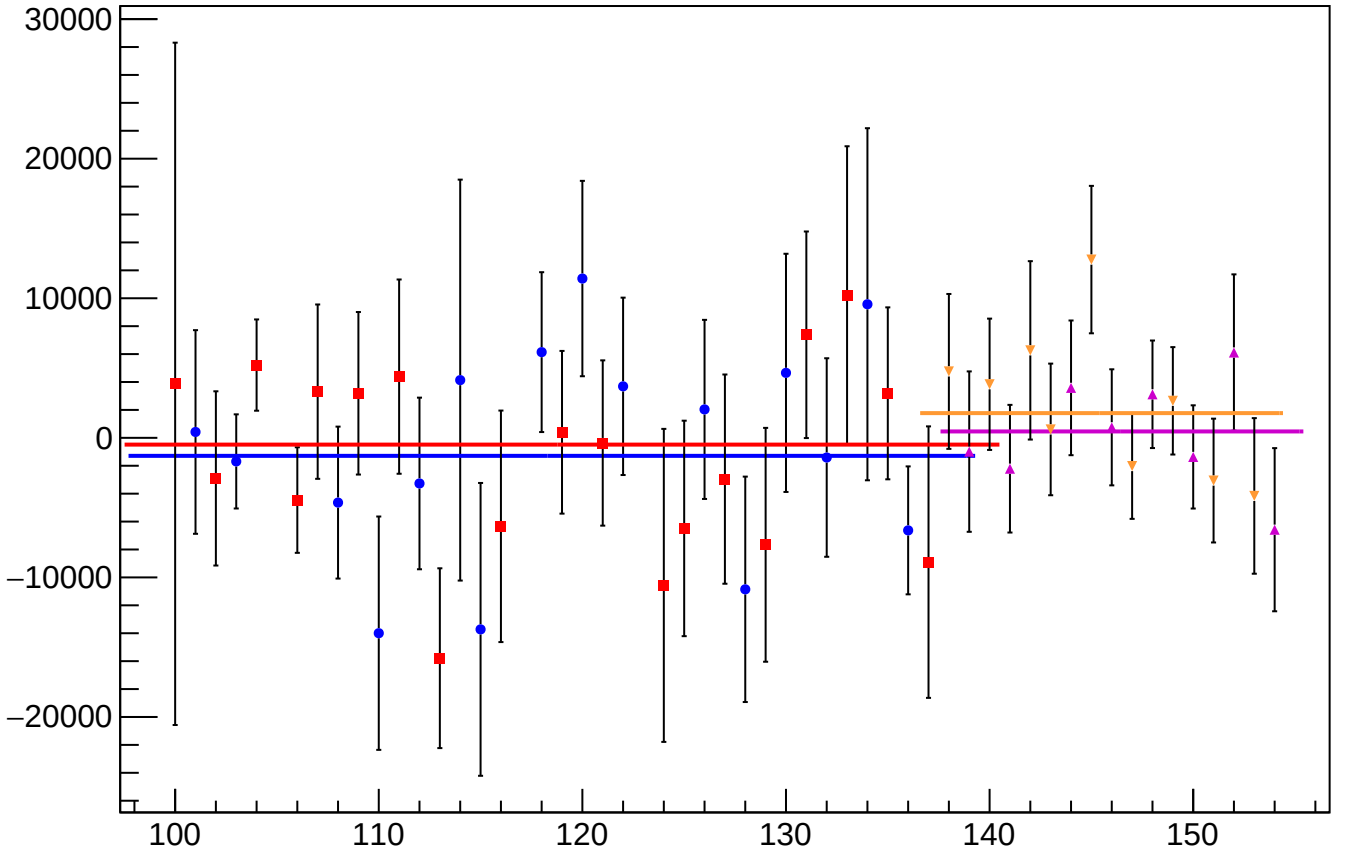
Left: 1865.636+/-0.352 χ^2/NDF: 28475.8/16

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1887.518+/-0.358 χ^2/NDF:716507.7/23

Out: 1884.471+/-0.354 χ^2/NDF:239511.5/27

All: 1885.977+/-0.252 χ^2/NDF: 956055.9/51



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: 457.946+/-1620.927 χ^2/NDF:4.0/7

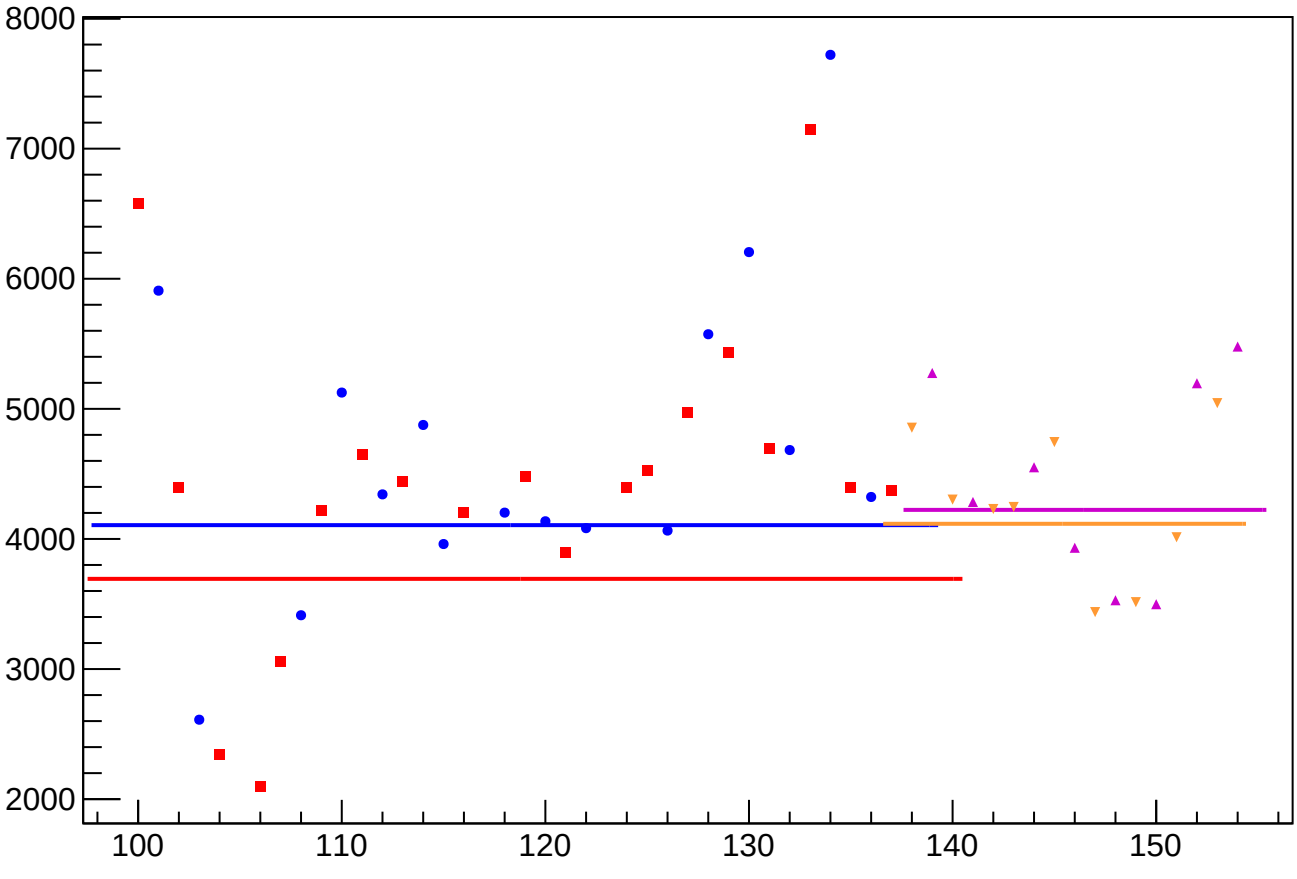
Left: 1133.659+/-1129.372 χ^2/NDF: 13.1/16

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -435.627+/-1133.411 χ^2/NDF:18.9/23

Out: 540.576+/-1061.568 χ^2/NDF:27.1/27

All: 84.392+/-774.796 χ^2/NDF: 46.4/51



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: 4223.458+/-1.146 χ^2/NDF:381052.3/7

Left: 4168.396+/-0.799 χ^2/NDF: 624375.5/16

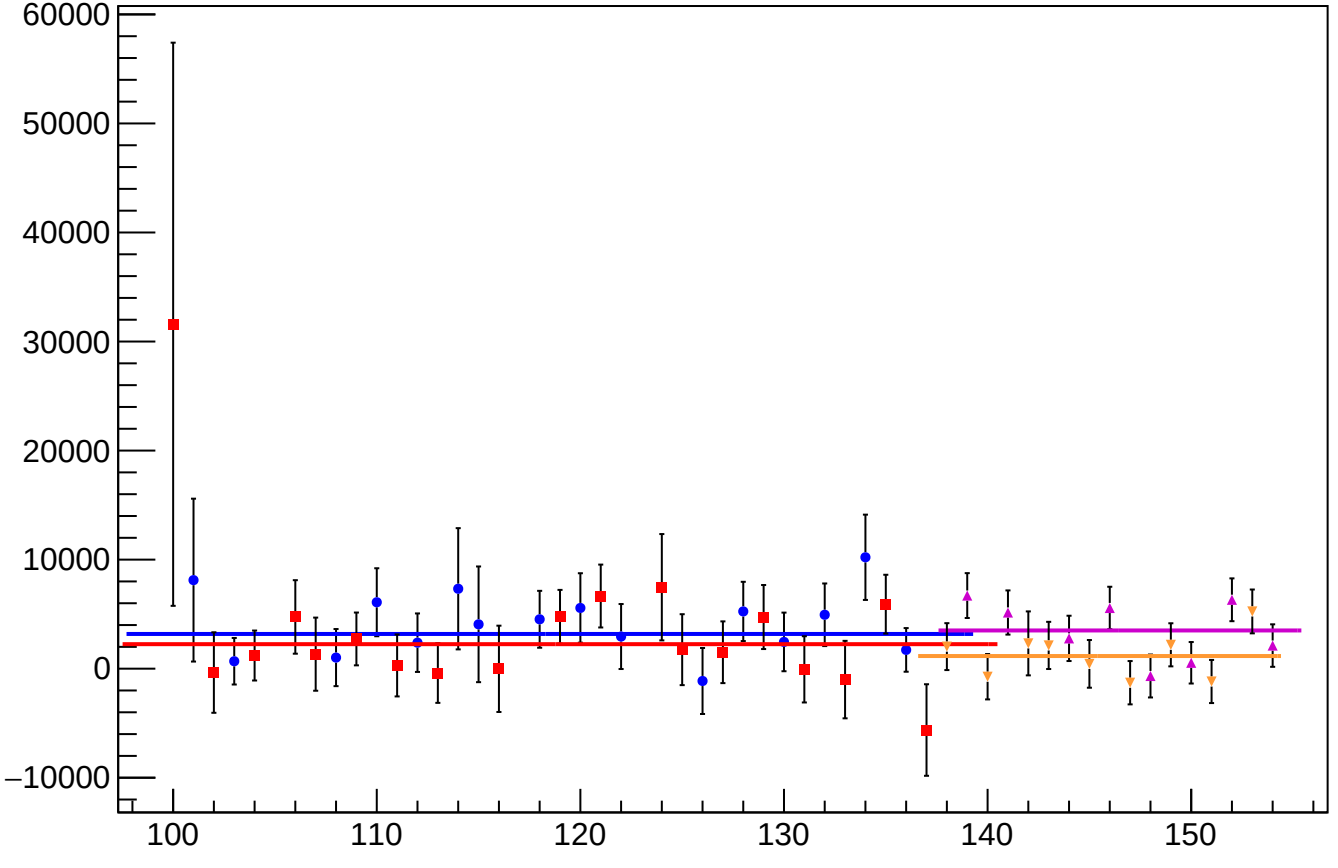
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4163.501+/-0.801 χ^2/NDF:1342537.0/23

Out: 3885.652+/-0.751 χ^2/NDF:1674282.9/27

All: 4015.492+/-0.548 χ^2/NDF: 3080845.4/51

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: 3504.339+/-701.414 χ^2/NDF:13.8/7

Left: 2341.002+/-498.003 χ^2/NDF: 28.1/16

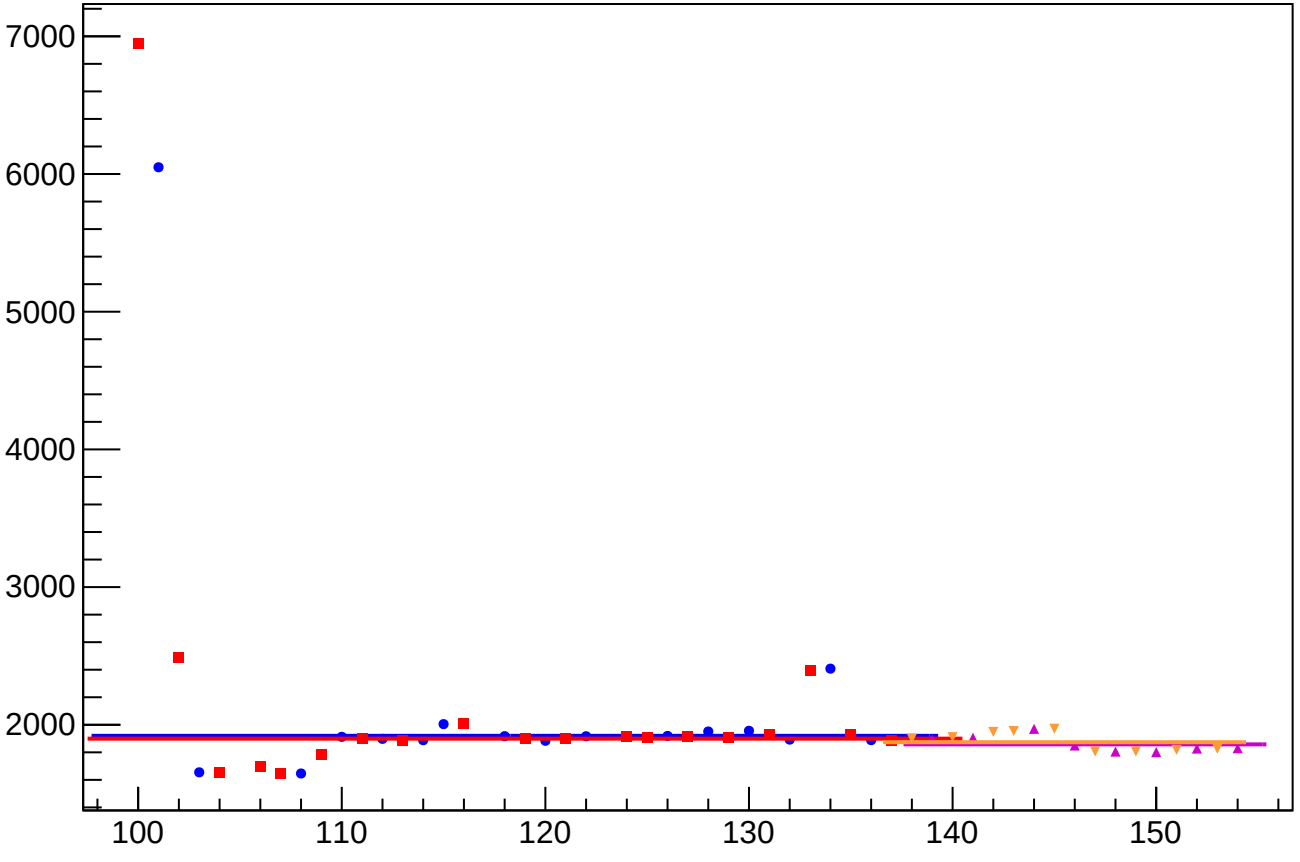
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3350.320+/-506.155 χ^2/NDF:25.6/23

Out: 1699.952+/-501.369 χ^2/NDF:26.5/27

All: 2517.298+/-356.202 χ^2/NDF: 57.4/51

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: 1857.782+/-0.496 χ^2/NDF:11676.1/7

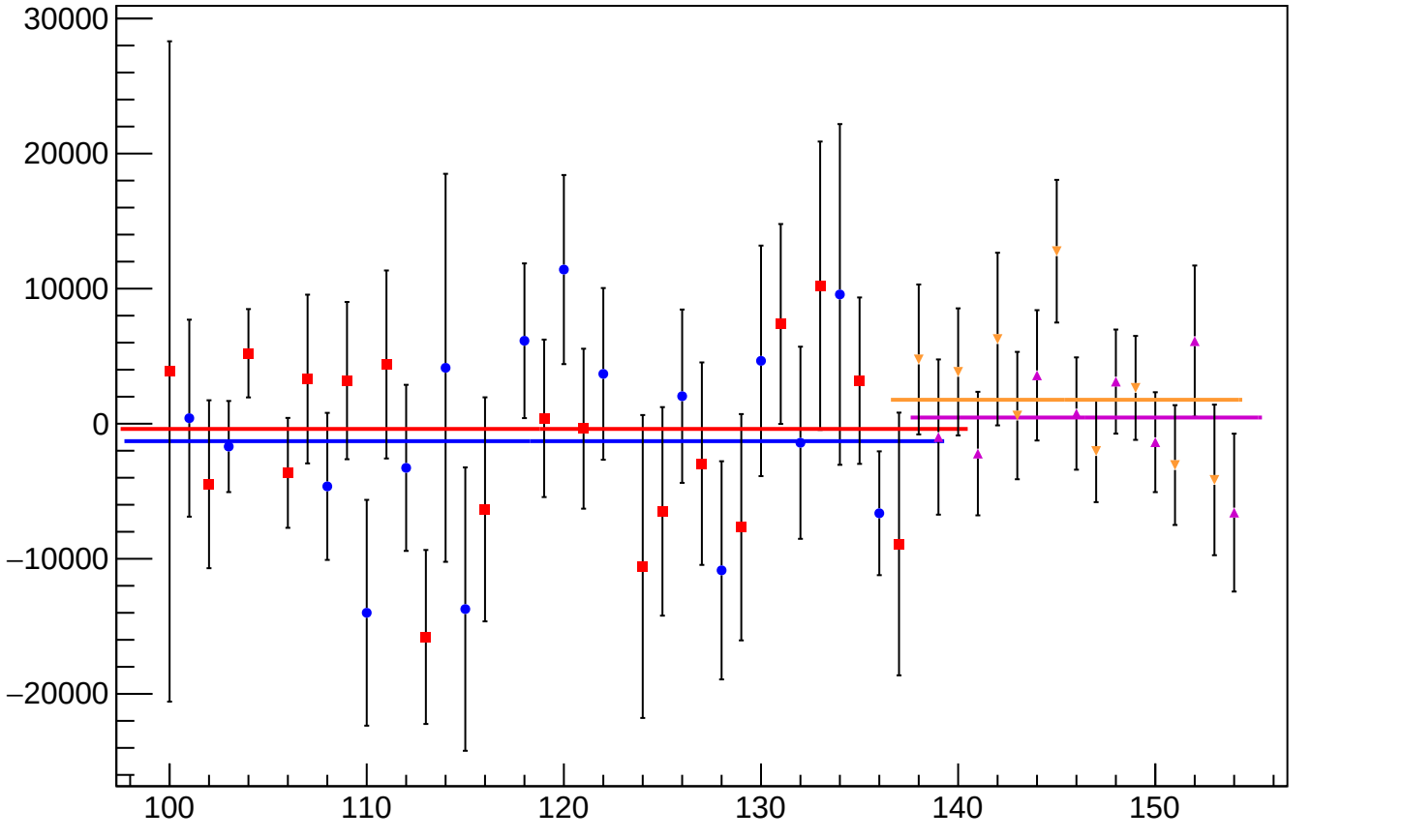
Left: 1865.636+/-0.352 χ^2/NDF: 28475.8/16

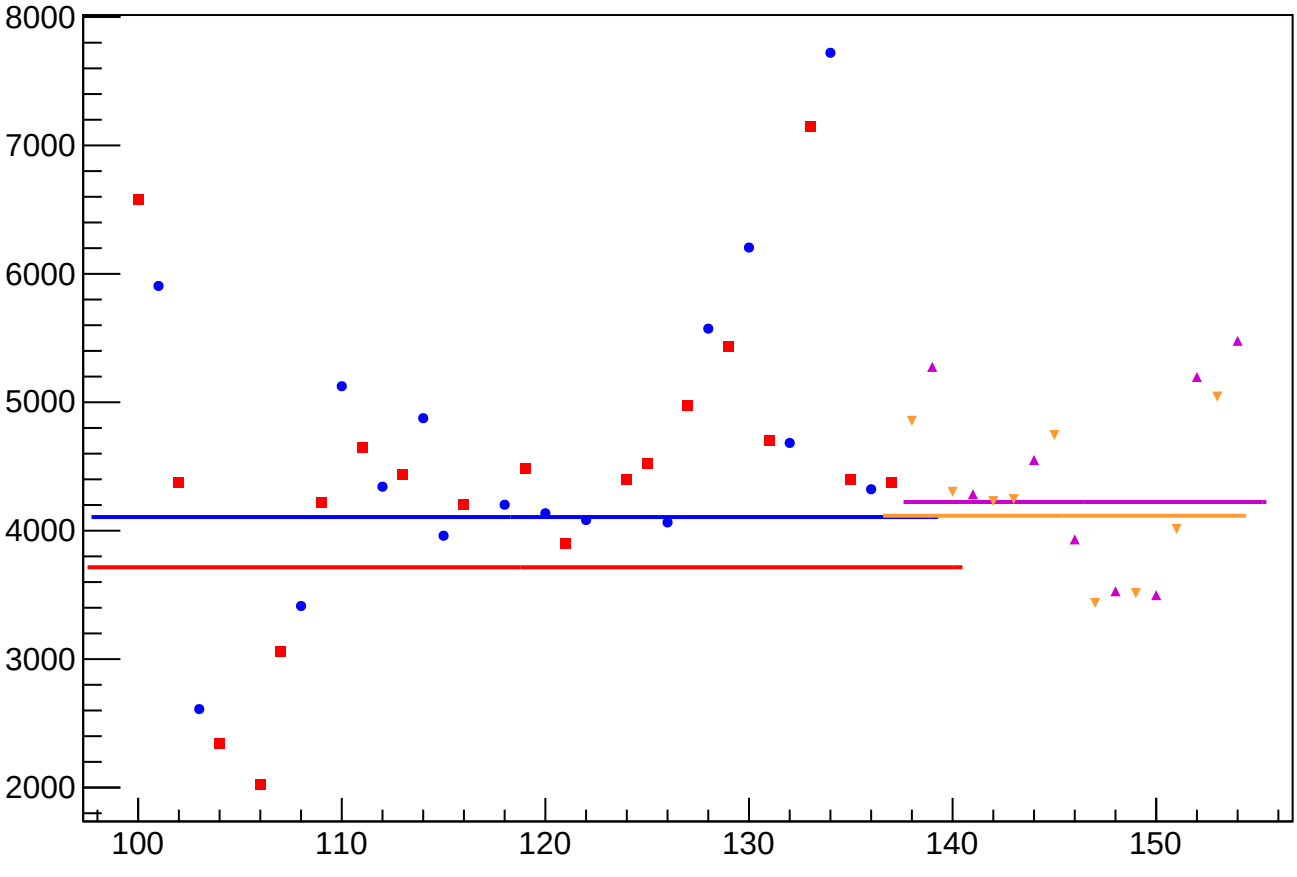
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1887.518+/-0.358 χ^2/NDF:716506.9/23

Out: 1886.444+/-0.354 χ^2/NDF:233268.6/27

All: 1886.976+/-0.252 χ^2/NDF: 949780.0/51


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 1771.099+/-1574.429 χ²/NDF:8.8/8
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 457.988+/-1620.929 χ²/NDF:4.0/7
Left: 1133.648+/-1129.371 χ²/NDF: 13.1/16
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -435.795+/-1133.413 χ²/NDF:18.9/23
Out: 604.205+/-1067.194 χ²/NDF:26.8/27
All: 115.472+/-776.976 χ²/NDF: 46.1/51



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: 4223.465+/-1.146 χ^2/NDF:381048.6/7

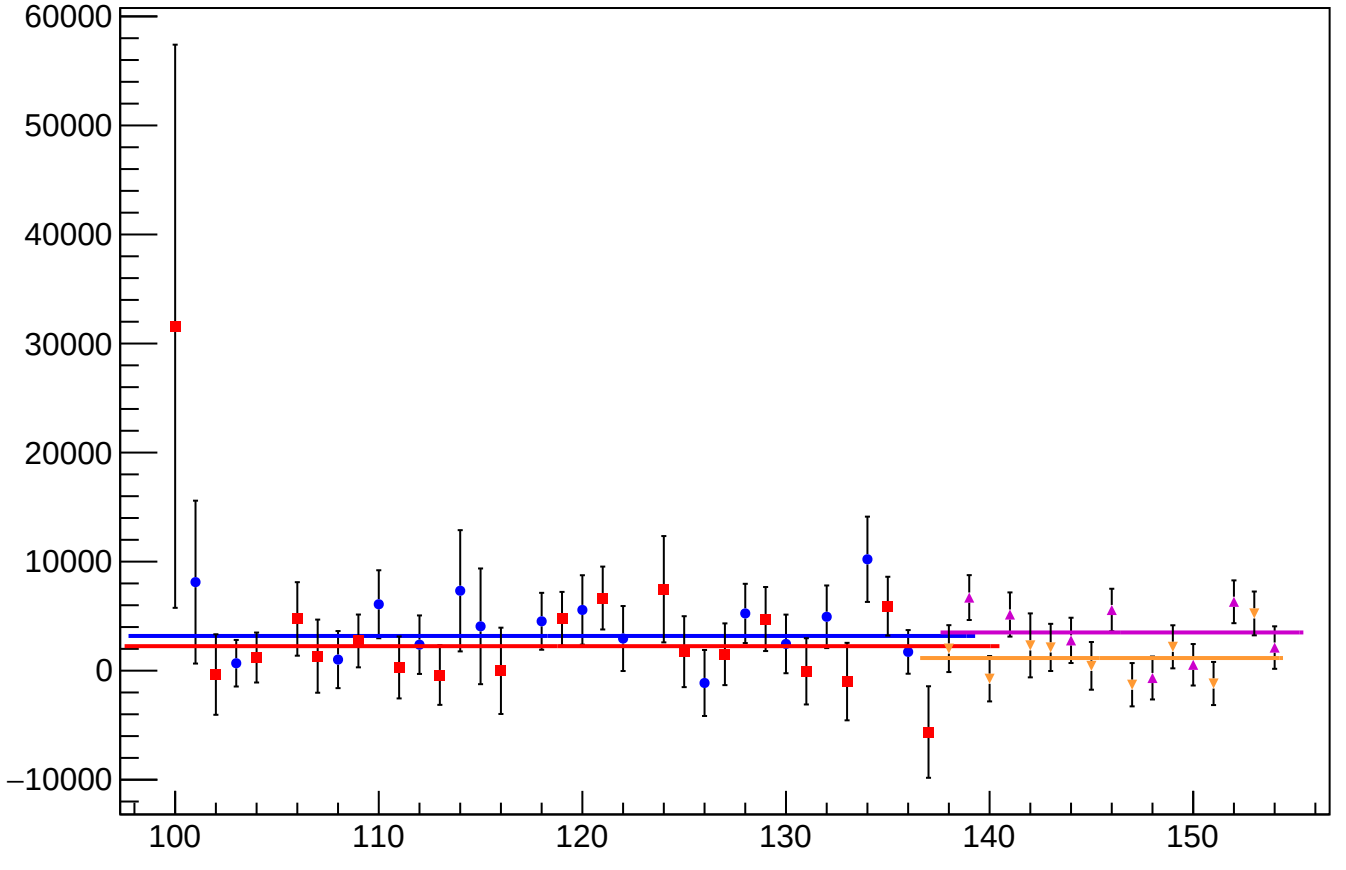
Left: 4168.391+/-0.799 χ^2/NDF: 624378.1/16

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4163.552+/-0.801 χ^2/NDF:1342026.2/23

Out: 3899.548+/-0.755 χ^2/NDF:1644153.7/27

All: 4023.613+/-0.549 χ^2/NDF: 3043697.7/51



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: 3504.339+/-701.414 χ^2/NDF:13.8/7

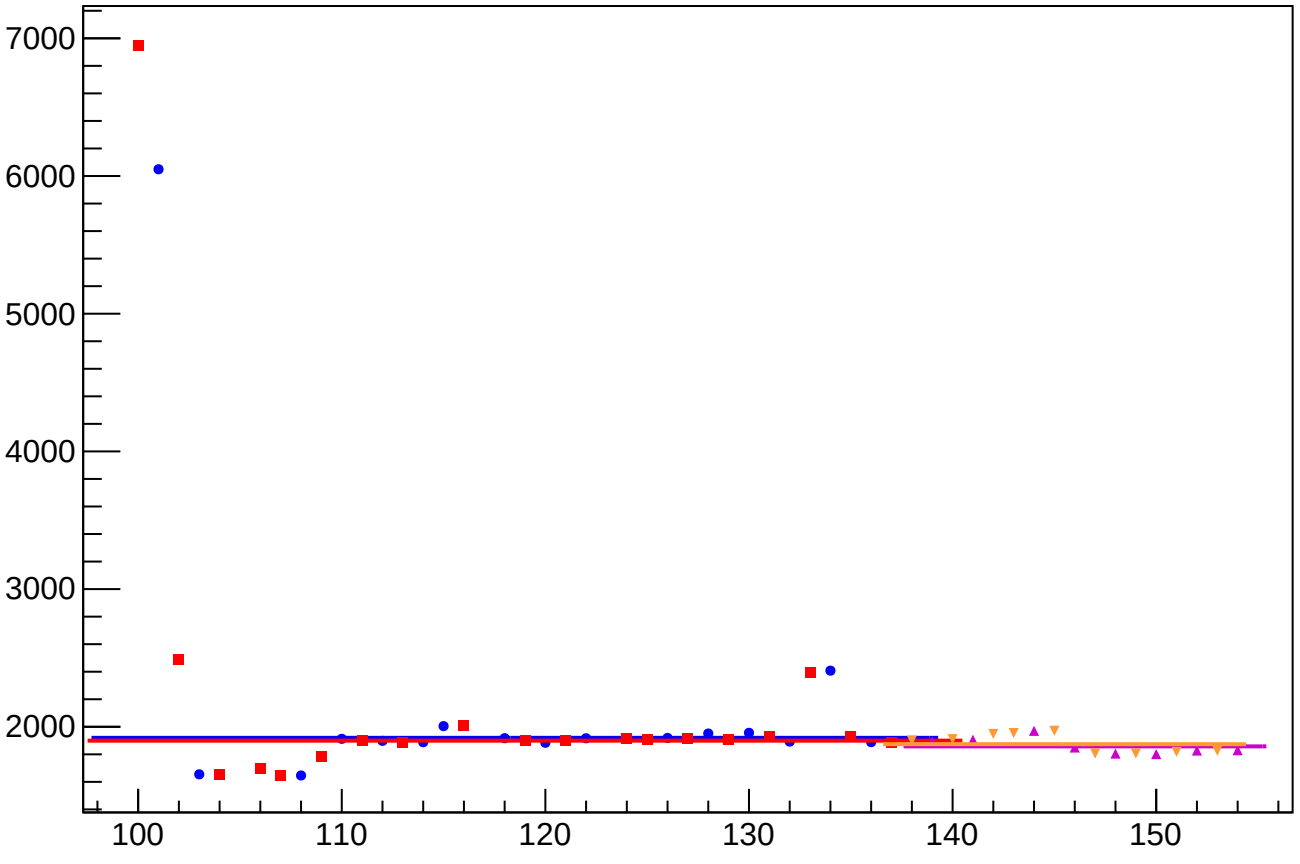
Left: 2341.002+/-498.003 χ^2/NDF: 28.1/16

Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3350.320+/-506.155 χ^2/NDF:25.6/23

Out: 1699.952+/-501.369 χ^2/NDF:26.5/27

All: 2517.298+/-356.202 χ^2/NDF: 57.4/51



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: 1857.782+/-0.496 χ^2/NDF:11676.1/7

Left: 1865.636+/-0.352 χ^2/NDF: 28475.8/16

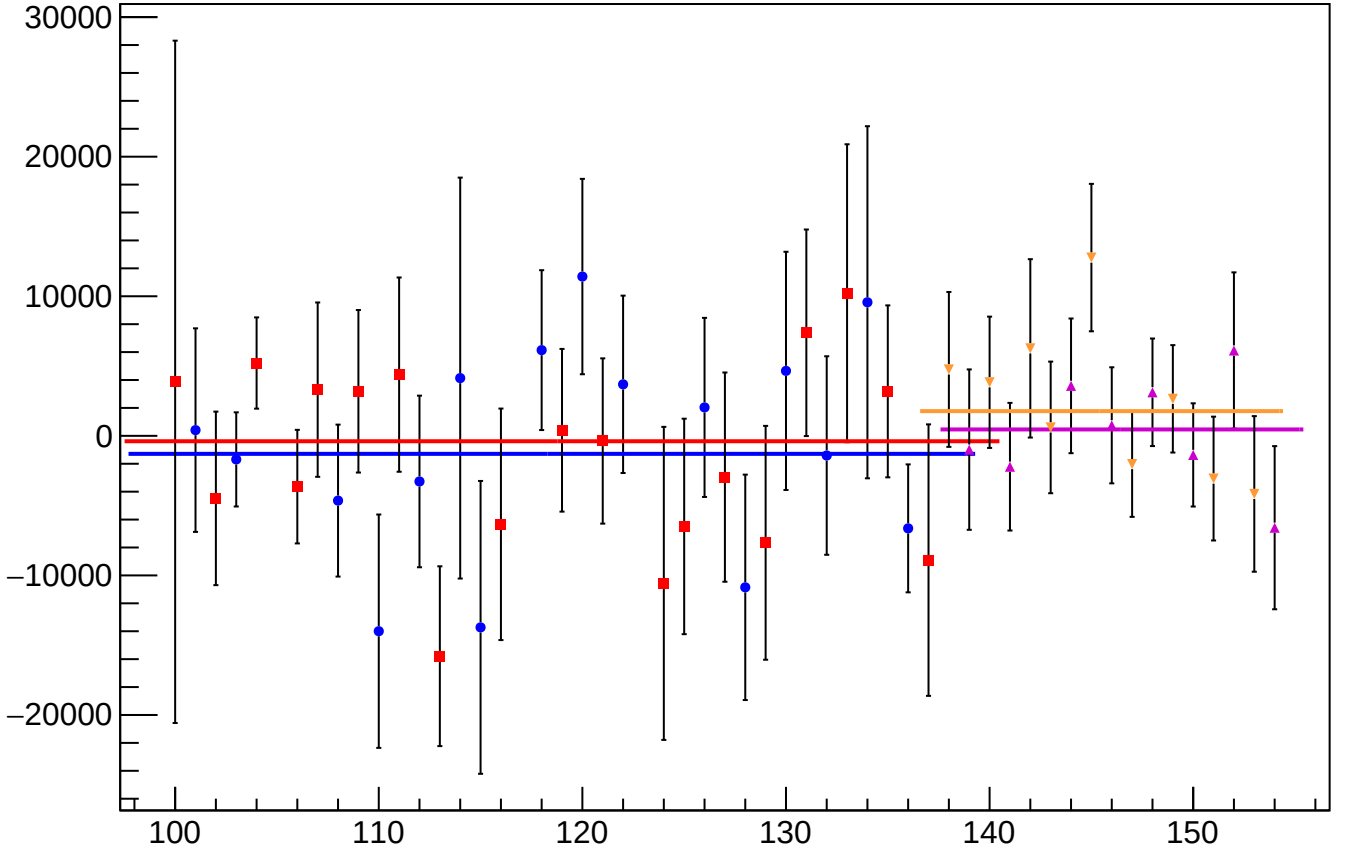
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1887.518+/-0.358 χ^2/NDF:716506.9/23

Out: 1886.444+/-0.354 χ^2/NDF:233268.6/27

All: 1886.976+/-0.252 χ^2/NDF: 949780.0/51

asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1771.099+/-1574.429 χ^2/NDF:8.8/8

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 457.988+/-1620.929 χ^2/NDF:4.0/7

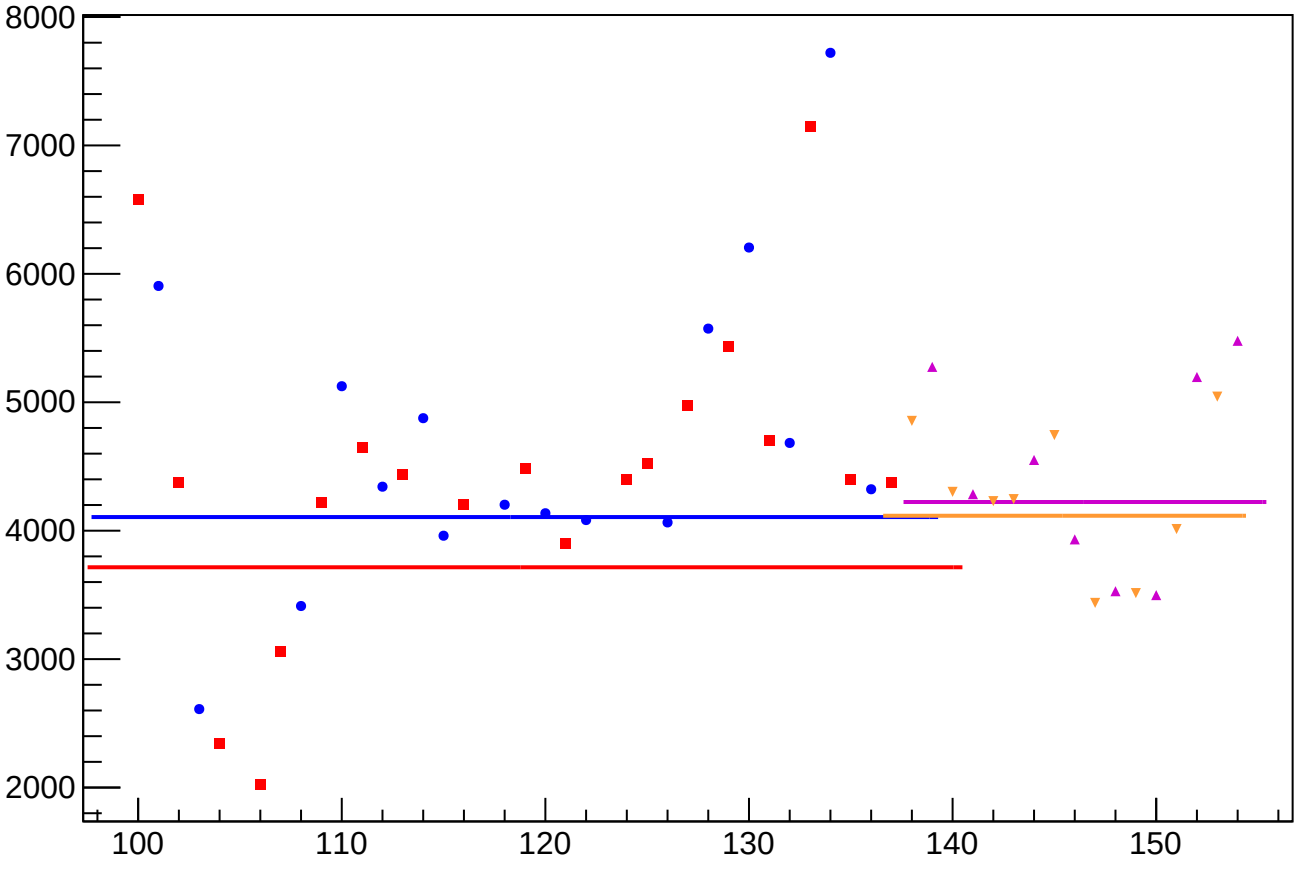
Left: 1133.648+/-1129.371 χ^2/NDF: 13.1/16

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -435.795+/-1133.413 χ^2/NDF:18.9/23

Out: 604.205+/-1067.194 χ^2/NDF:26.8/27

All: 115.472+/-776.976 χ^2/NDF: 46.1/51



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: 4223.465+/-1.146 χ^2/NDF:381048.6/7

Left: 4168.391+/-0.799 χ^2/NDF: 624378.1/16

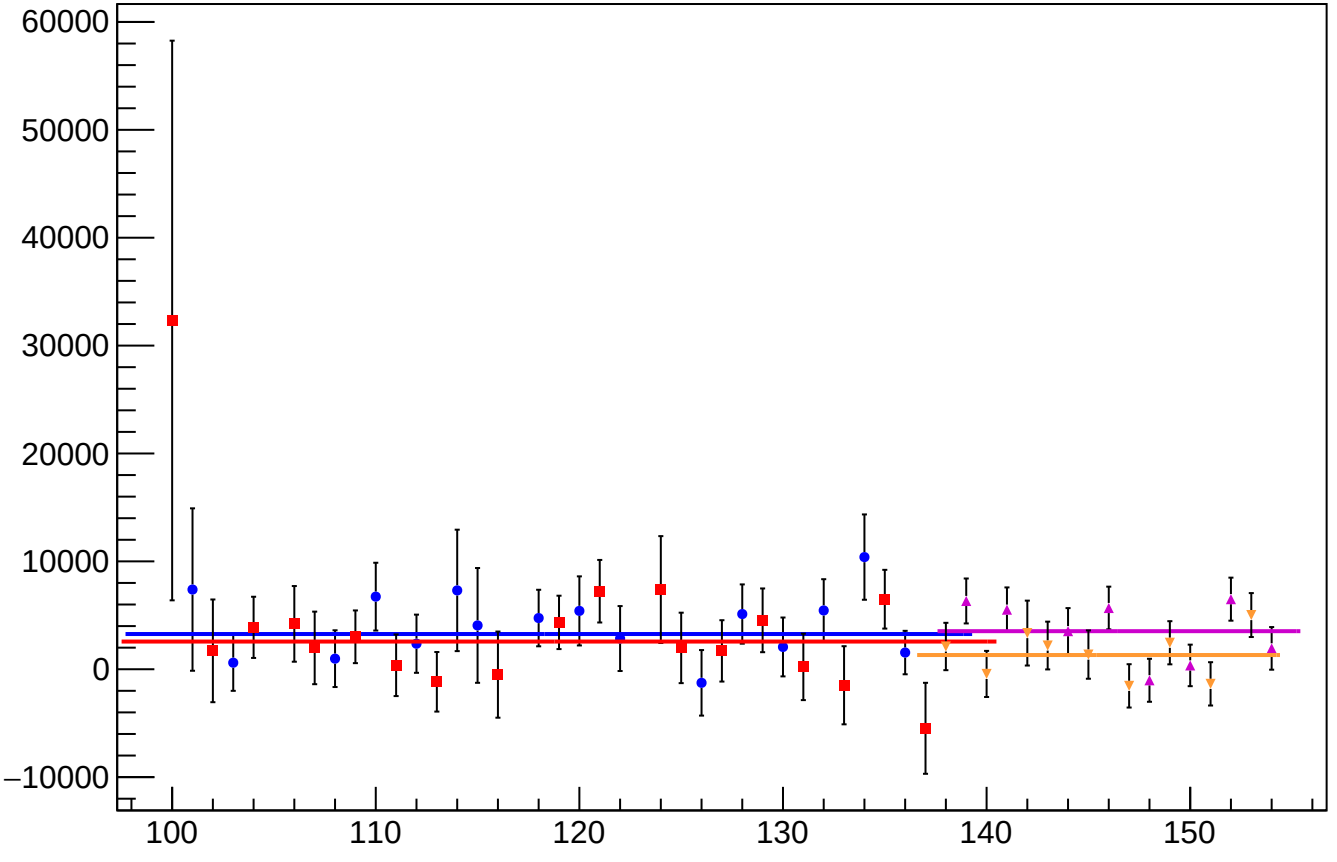
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4163.552+/-0.801 χ^2/NDF:1342026.2/23

Out: 3899.548+/-0.755 χ^2/NDF:1644153.7/27

All: 4023.613+/-0.549 χ^2/NDF: 3043697.7/51

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: 3528.631+/-712.424 χ^2/NDF:14.7/7

Left: 2434.998+/-506.506 χ^2/NDF: 28.3/16

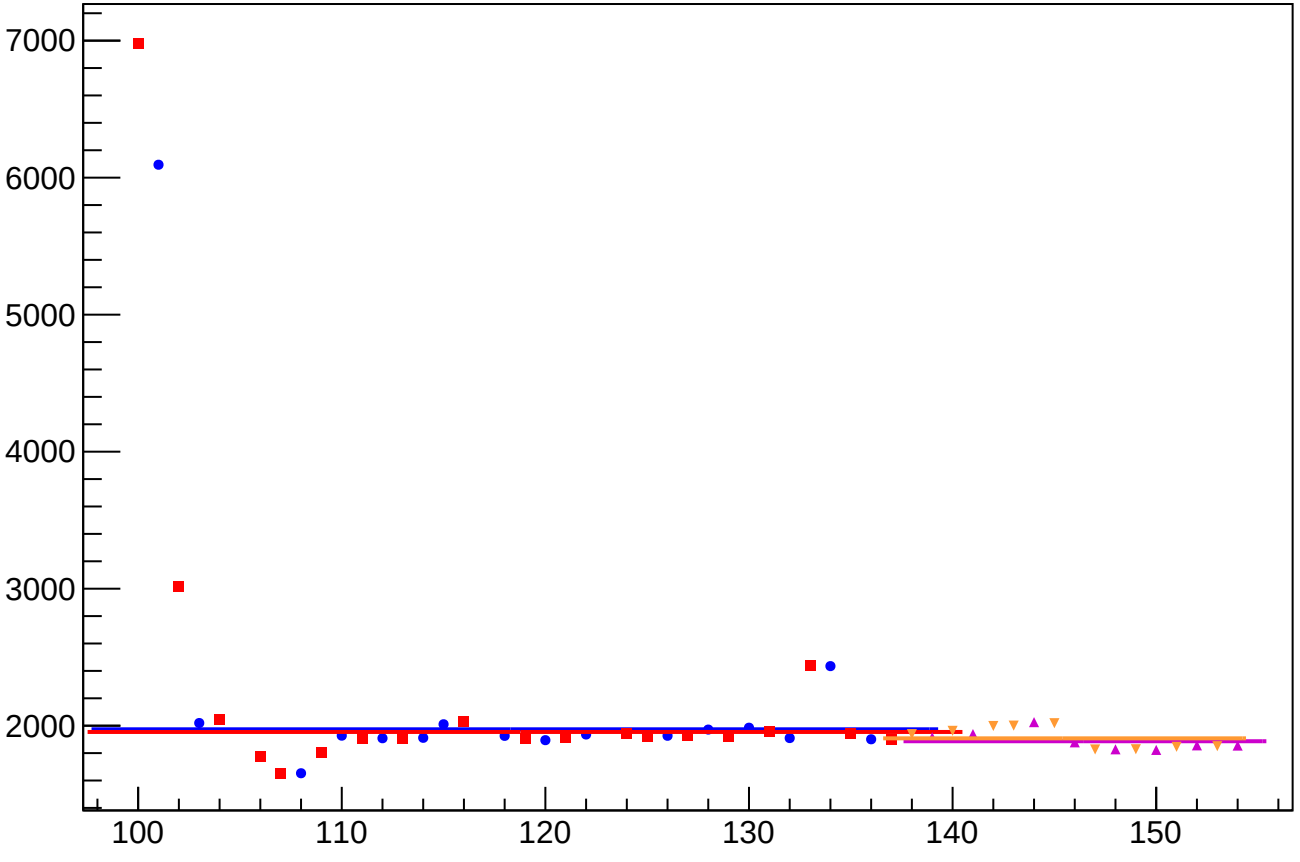
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3403.565+/-516.815 χ^2/NDF:27.0/23

Out: 1929.383+/-514.388 χ^2/NDF:27.3/27

All: 2663.005+/-364.582 χ^2/NDF: 58.4/51

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: 1886.666+/-0.504 χ^2/NDF:15110.1/7

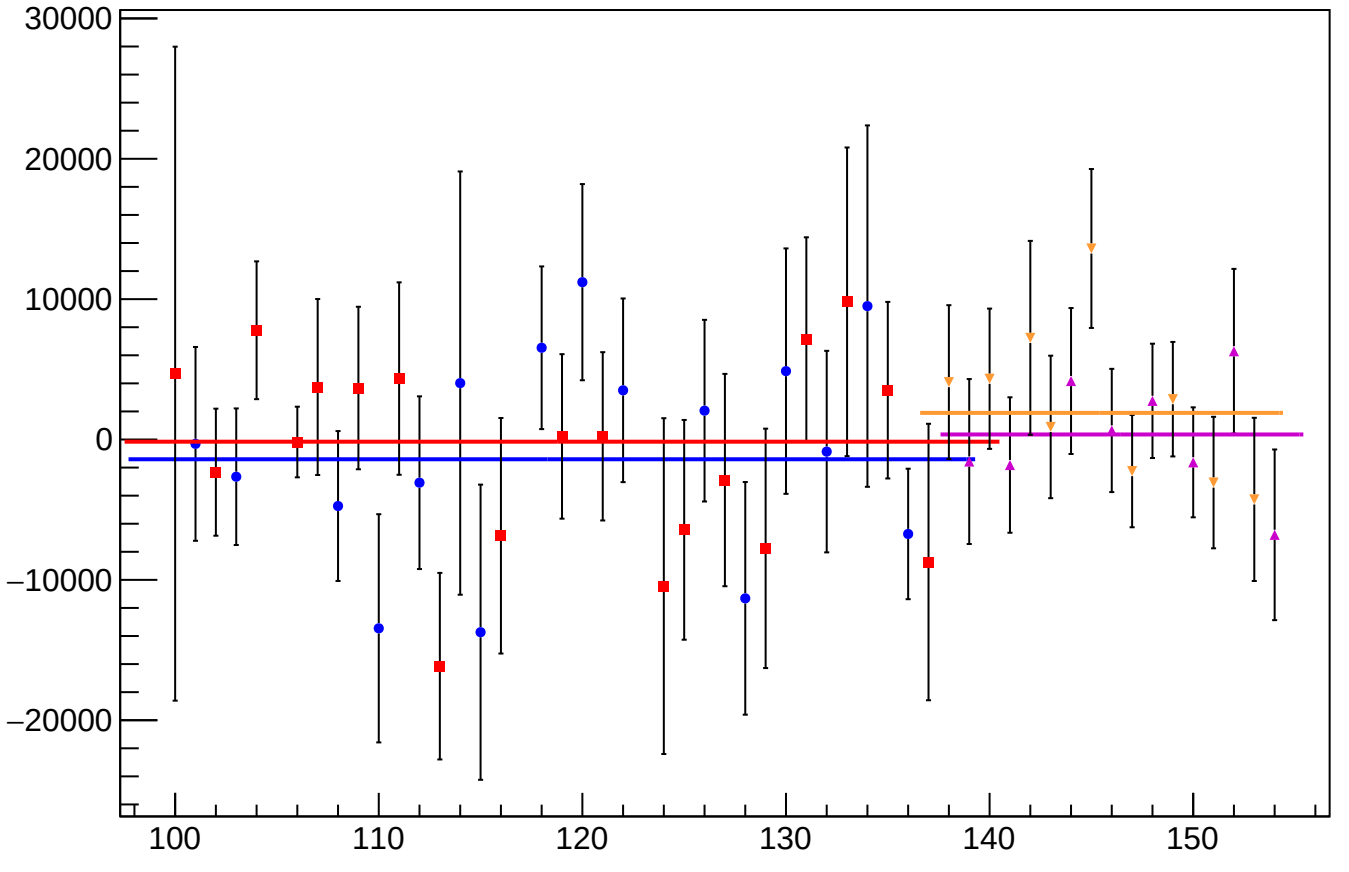
Left: 1897.123+/-0.358 χ^2/NDF: 37757.0/16

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1927.921+/-0.365 χ^2/NDF:694391.0/23

Out: 1930.629+/-0.364 χ^2/NDF:272079.5/27

All: 1929.282+/-0.258 χ^2/NDF: 966498.1/51



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: 359.457+/-1709.250 χ^2/NDF:3.9/7

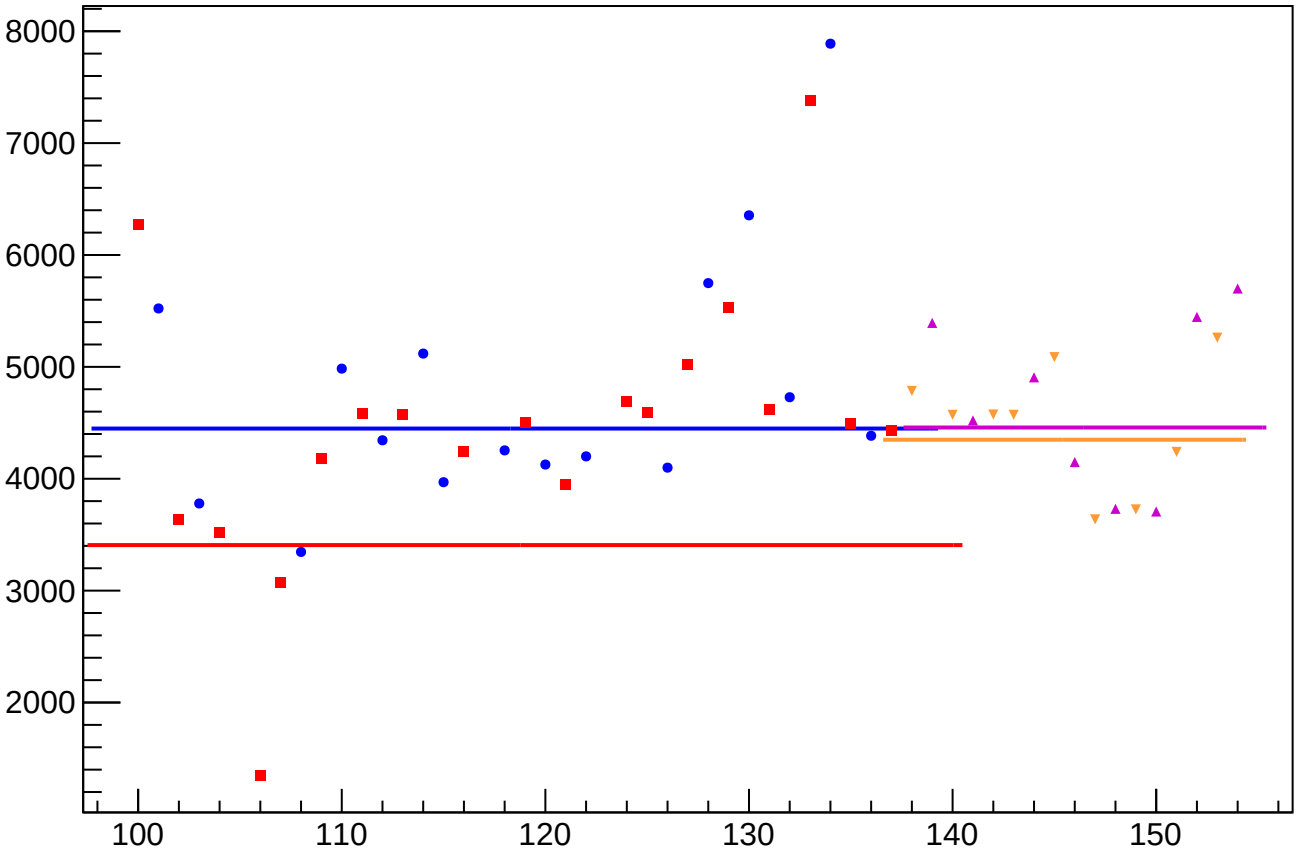
Left: 1149.699+/-1191.618 χ^2/NDF: 13.0/16

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -533.974+/-1201.754 χ^2/NDF:18.6/23

Out: 670.348+/-1054.248 χ^2/NDF:25.4/27

All: 146.595+/-792.515 χ^2/NDF: 44.6/51



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4348.752+/-1.175 χ^2/NDF:216853.4/8

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4458.001+/-1.209 χ^2/NDF:353090.5/7

Left: 4401.850+/-0.843 χ^2/NDF: 574143.3/16

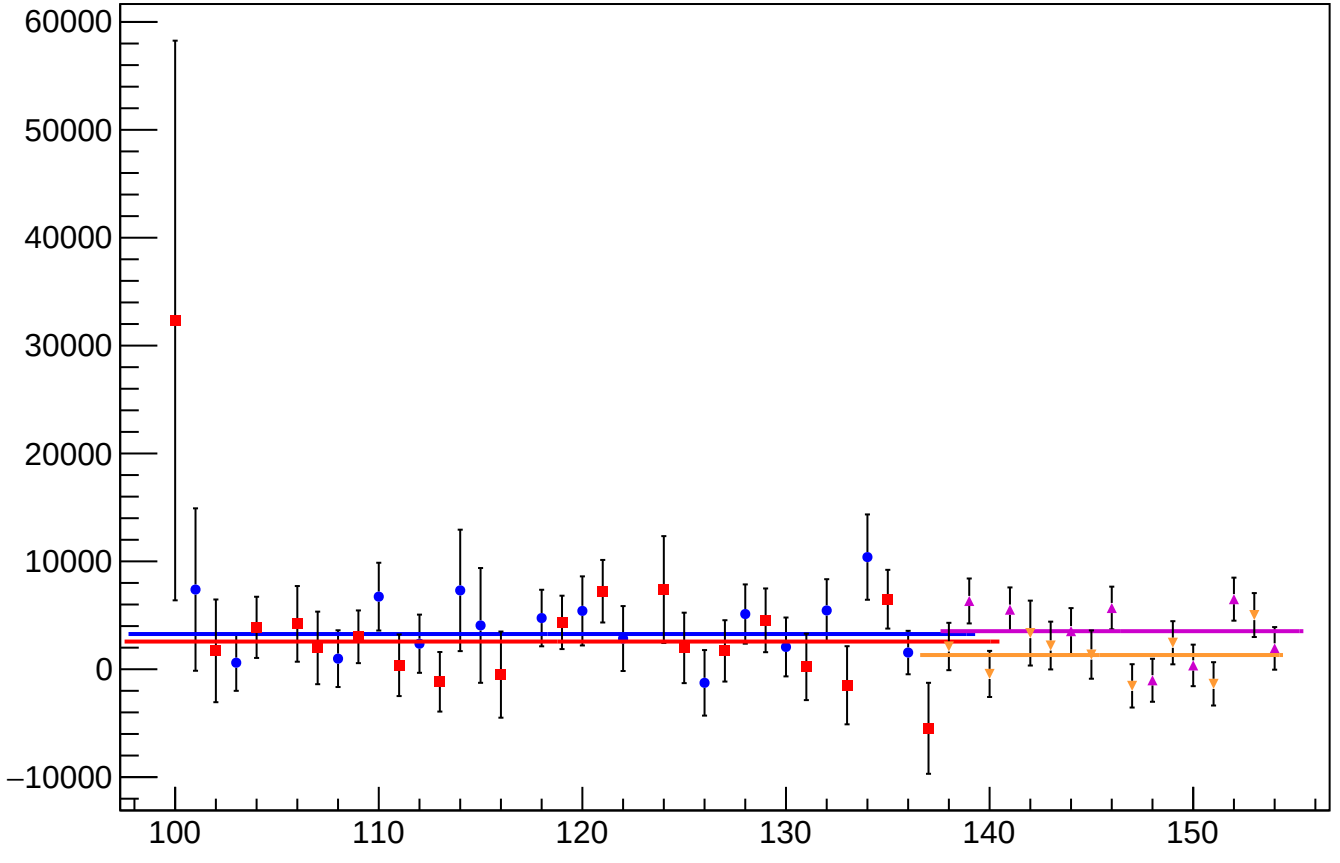
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4453.303+/-0.850 χ^2/NDF:847733.8/23

Out: 3785.942+/-0.745 χ^2/NDF:2926561.5/27

All: 4076.173+/-0.560 χ^2/NDF: 4122833.8/51

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: 3528.627+/-712.424 χ^2/NDF:14.7/7

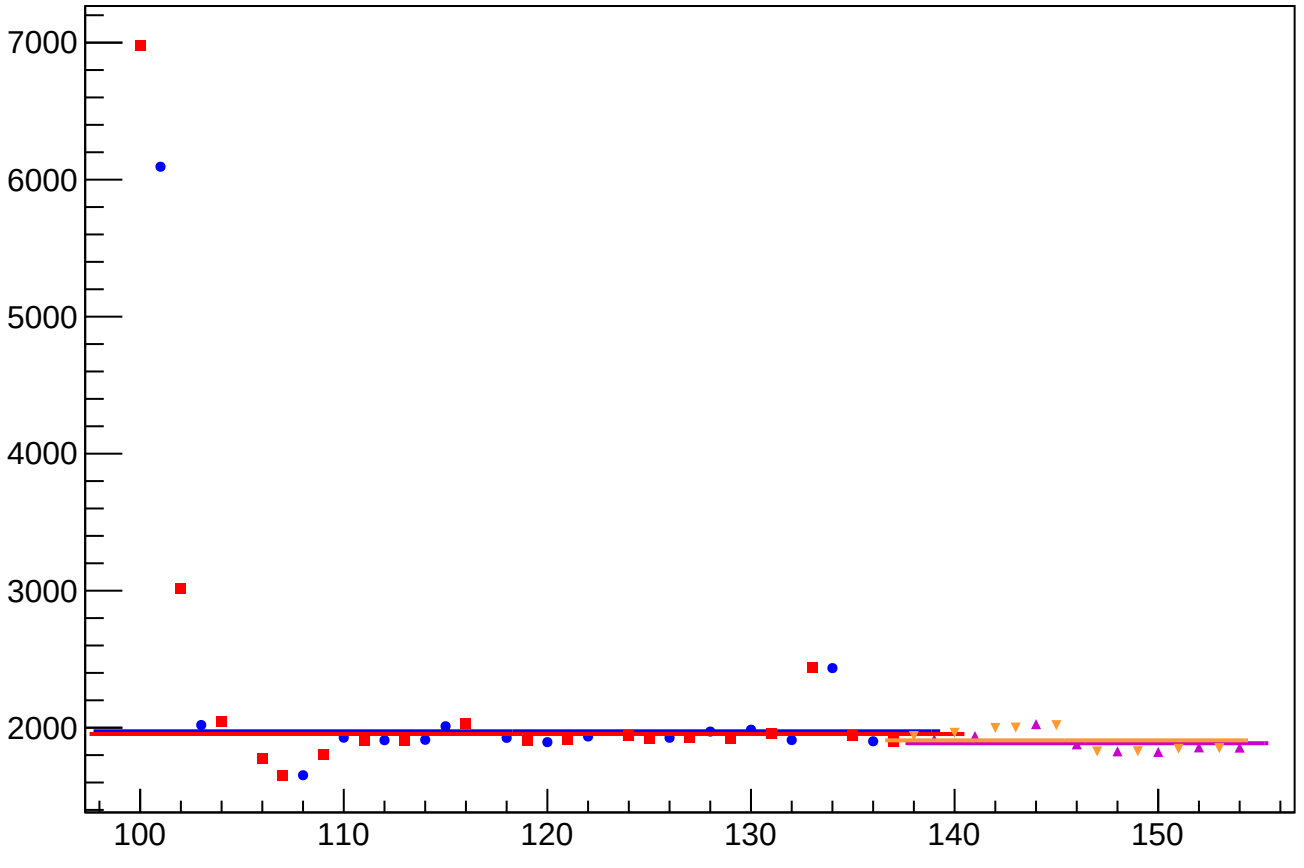
Left: 2434.995+/-506.506 χ^2/NDF: 28.3/16

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3403.566+/-516.815 χ^2/NDF:27.0/23

Out: 1929.385+/-514.388 χ^2/NDF:27.3/27

All: 2663.006+/-364.583 χ^2/NDF: 58.4/51


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
7000
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4000
3000
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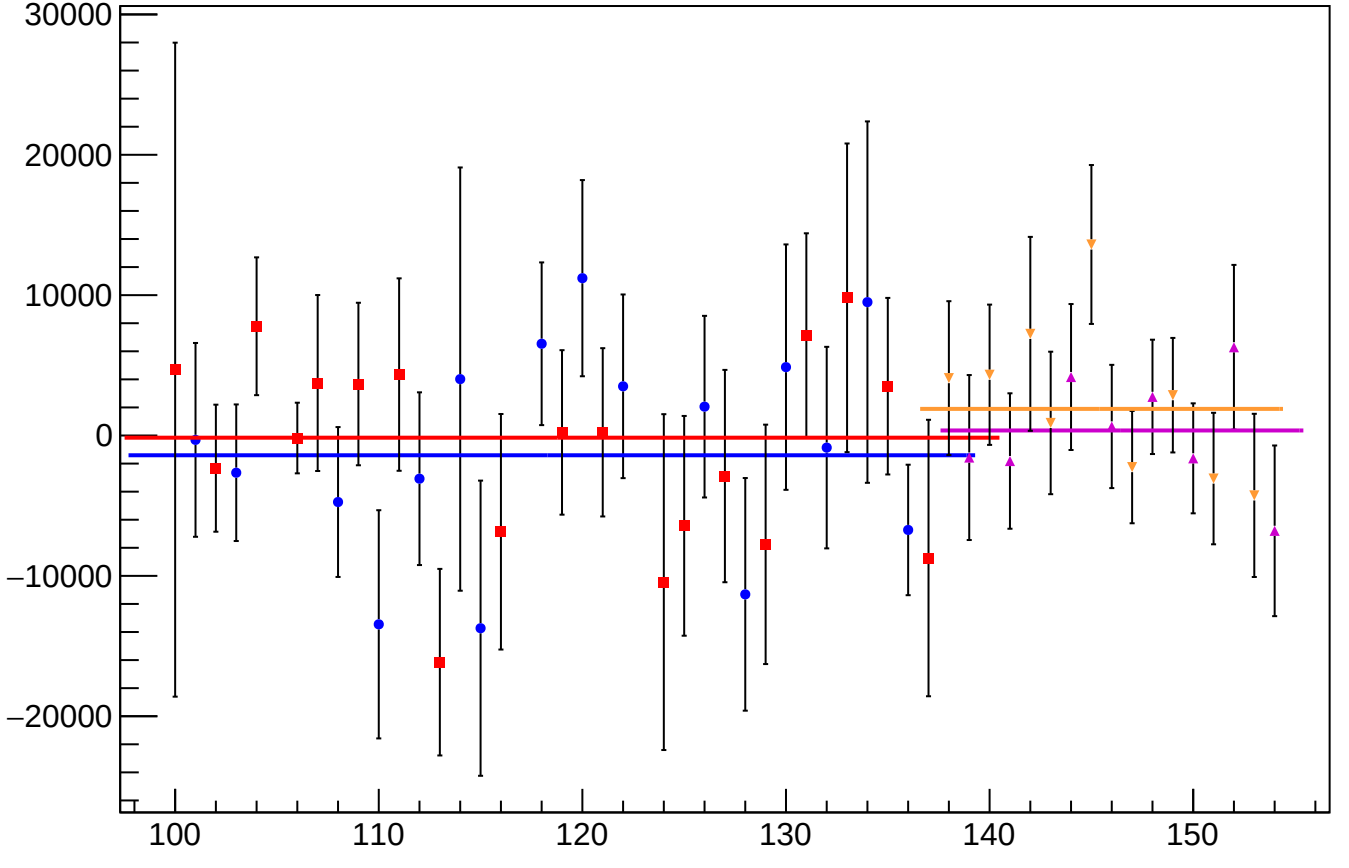
140
150
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1907.813+/-0.509 χ²/NDF:21775.7/8
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1886.666+/-0.504 χ²/NDF:15110.1/7
Left: 1897.124+/-0.358 χ²/NDF: 37757.2/16
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1927.921+/-0.365 χ²/NDF:694390.6/23
Out: 1930.629+/-0.364 χ²/NDF:272079.0/27
All: 1929.282+/-0.258 χ²/NDF: 966497.2/51

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: 359.453+/-1709.252 χ^2/NDF:3.9/7

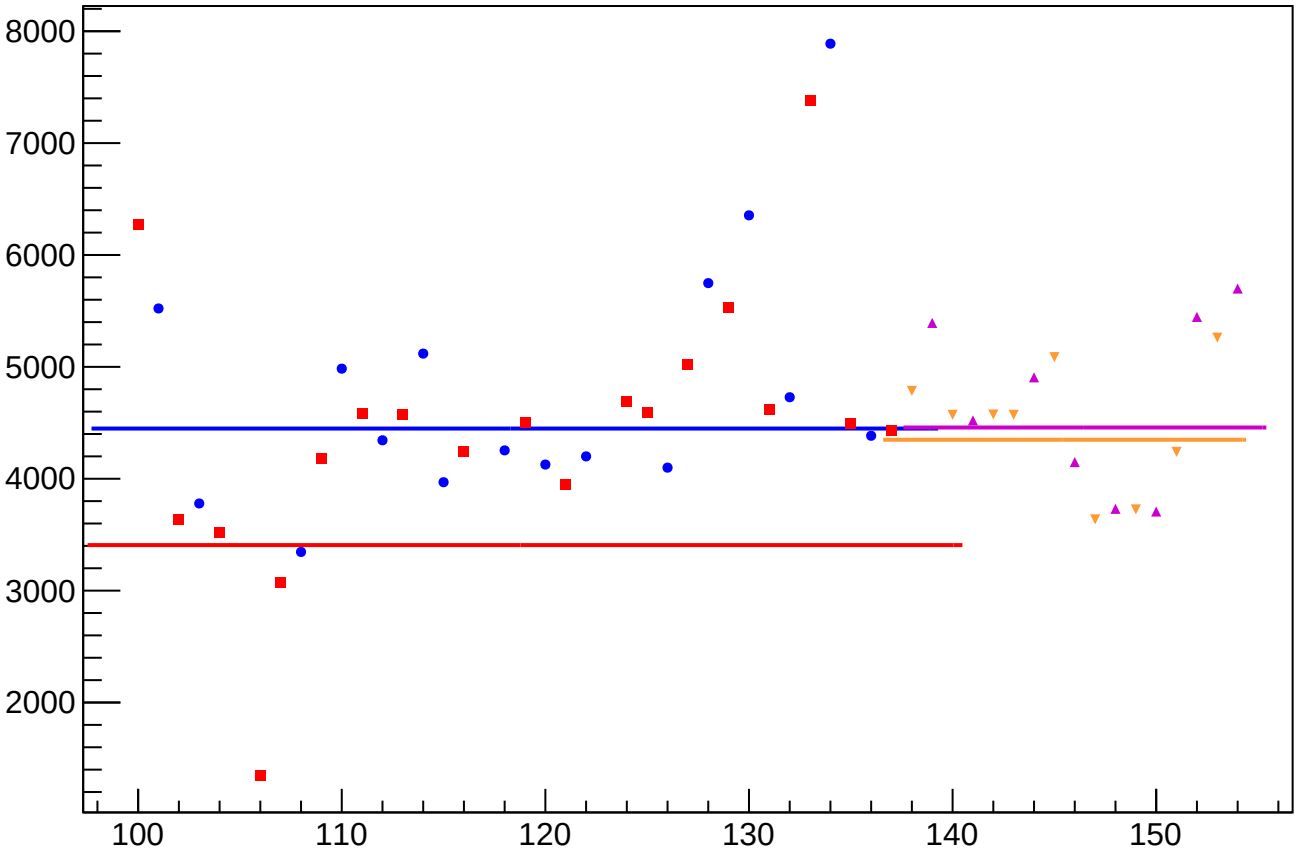
Left: 1149.695+/-1191.620 χ^2/NDF: 13.0/16

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -533.969+/-1201.754 χ^2/NDF:18.6/23

Out: 670.342+/-1054.247 χ^2/NDF:25.4/27

All: 146.595+/-792.515 χ^2/NDF: 44.6/51



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: 4458.007+/-1.209 χ^2/NDF:353088.3/7

Left: 4401.856+/-0.843 χ^2/NDF: 574140.7/16

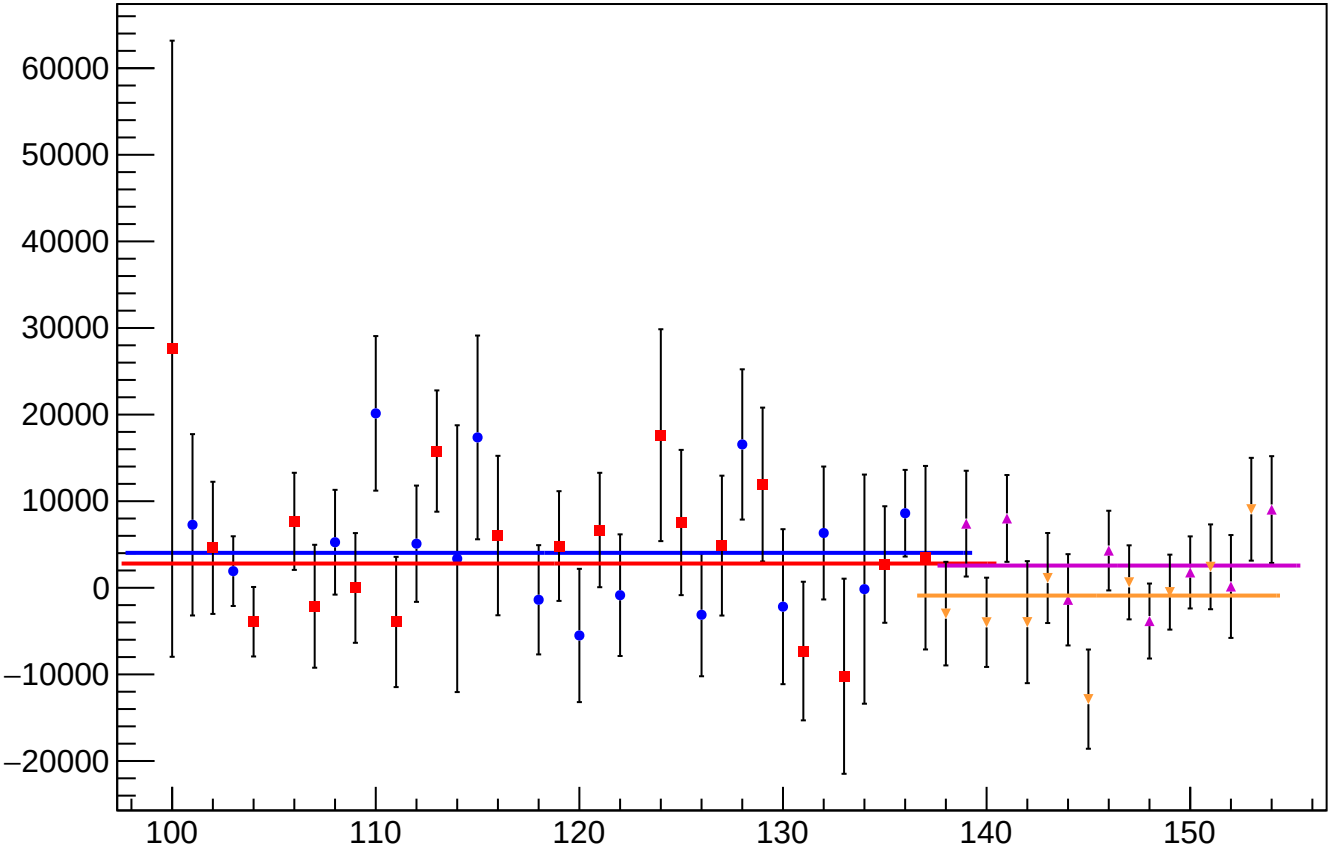
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4453.303+/-0.850 χ^2/NDF:847728.9/23

Out: 3785.938+/-0.745 χ^2/NDF:2926576.4/27

All: 4076.171+/-0.560 χ^2/NDF: 4122847.7/51

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: 2567.057+/-1780.131 χ^2/NDF:6.0/7

Left: 792.723+/-1243.239 χ^2/NDF: 16.5/16

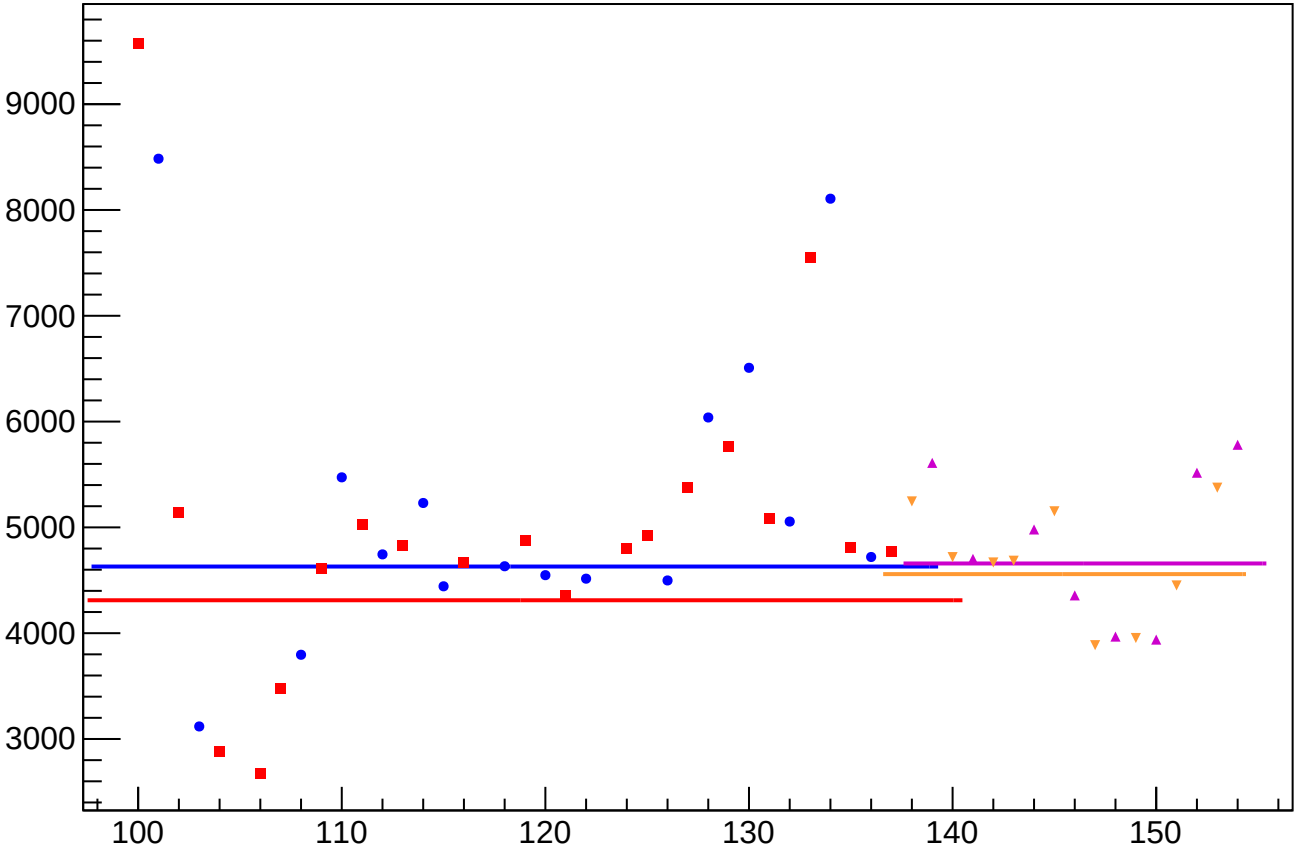
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 3300.032+/-1259.414 χ^2/NDF:18.7/23

Out: 1022.553+/-1204.583 χ^2/NDF:26.4/27

All: 2110.638+/-870.508 χ^2/NDF: 46.8/51

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: 4658.904+/-1.259 χ^2/NDF:283350.8/7

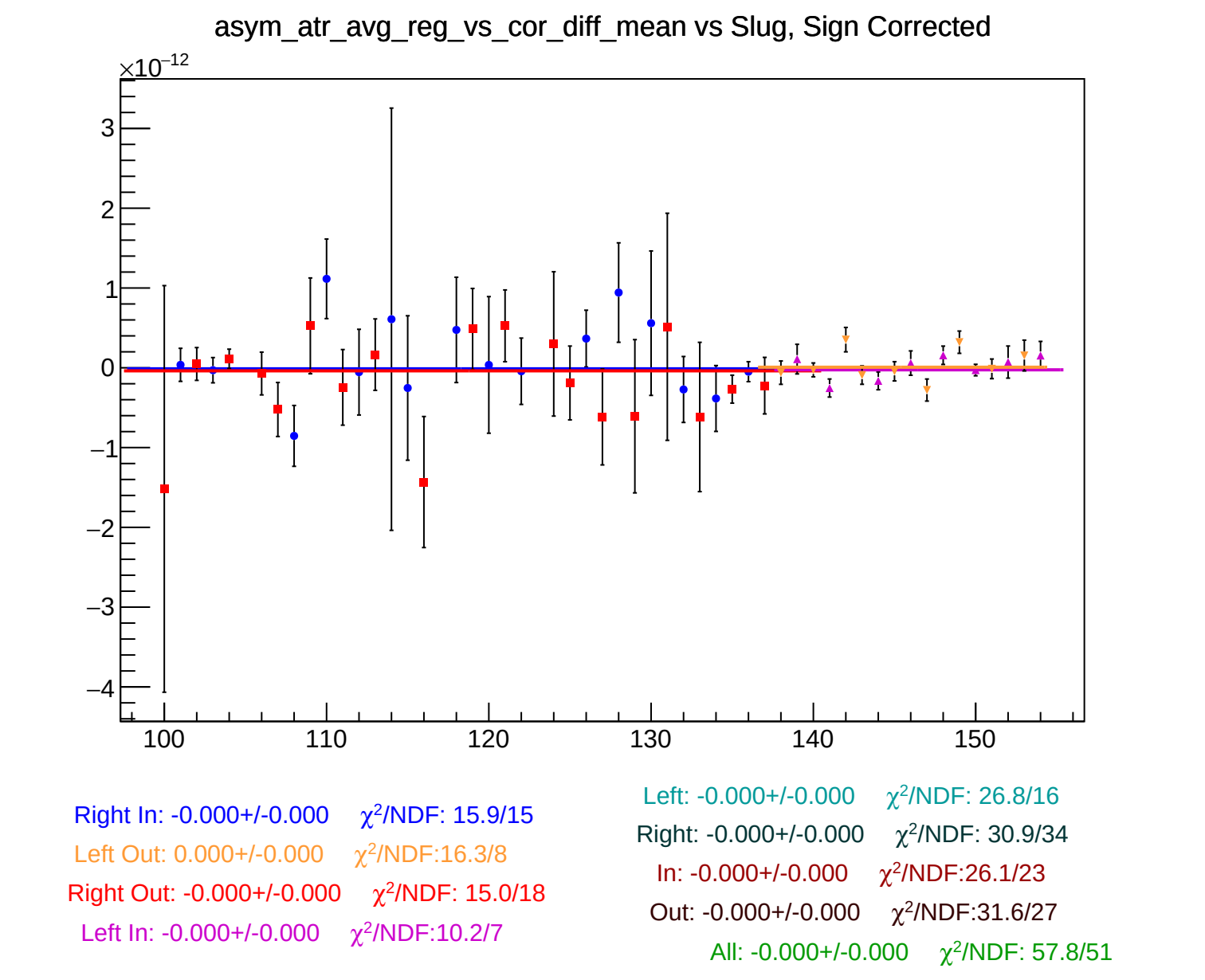
Left: 4607.392+/-0.879 χ^2/NDF: 465279.5/16

Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4644.451+/-0.891 χ^2/NDF:1183861.1/23

Out: 4428.984+/-0.848 χ^2/NDF:1104585.2/27

All: 4531.438+/-0.614 χ^2/NDF: 2319150.7/51


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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−2
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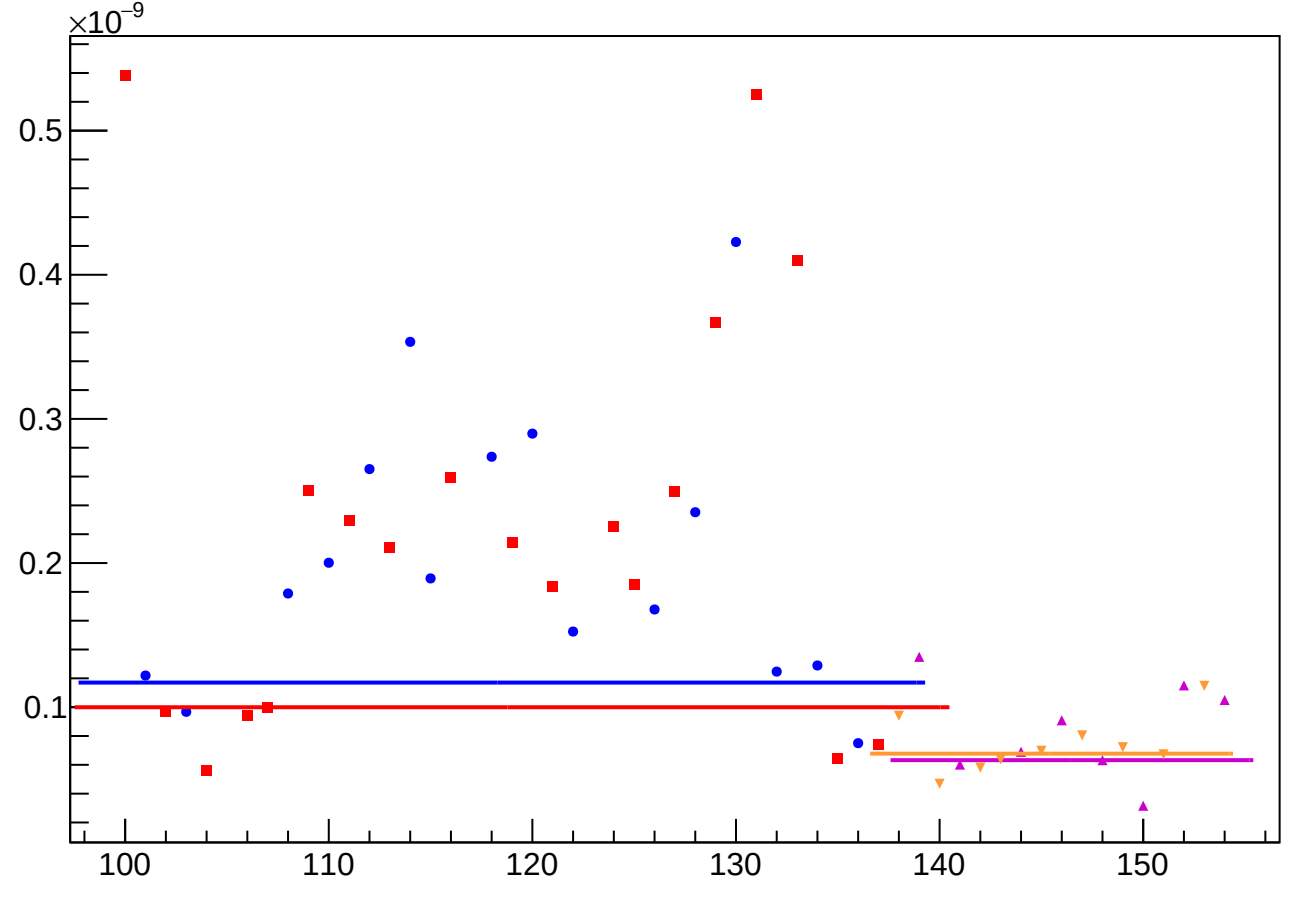
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:16.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:10.2/7
Left: -0.000+/-0.000 χ²/NDF: 26.8/16
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:26.1/23
Out: -0.000+/-0.000 χ²/NDF:31.6/27
All: -0.000+/-0.000 χ²/NDF: 57.8/51



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:1002837.5/7

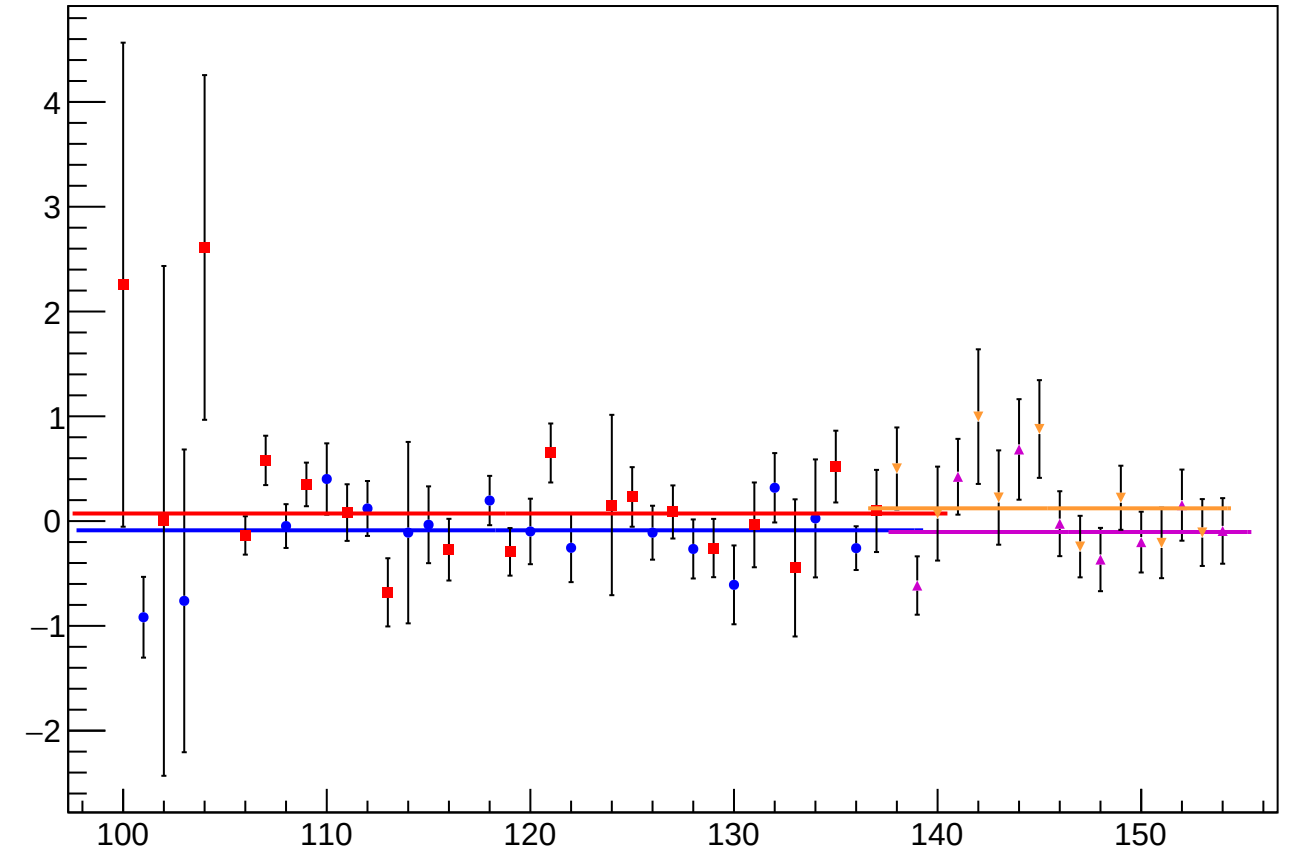
Left: 0.000+/-0.000 χ^2/NDF: 1343231.0/16

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:2877313.4/23

Out: 0.000+/-0.000 χ^2/NDF:2466848.3/27

All: 0.000+/-0.000 χ^2/NDF: 5344226.5/51



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: -0.104+/-0.114 χ^2/NDF:9.7/7

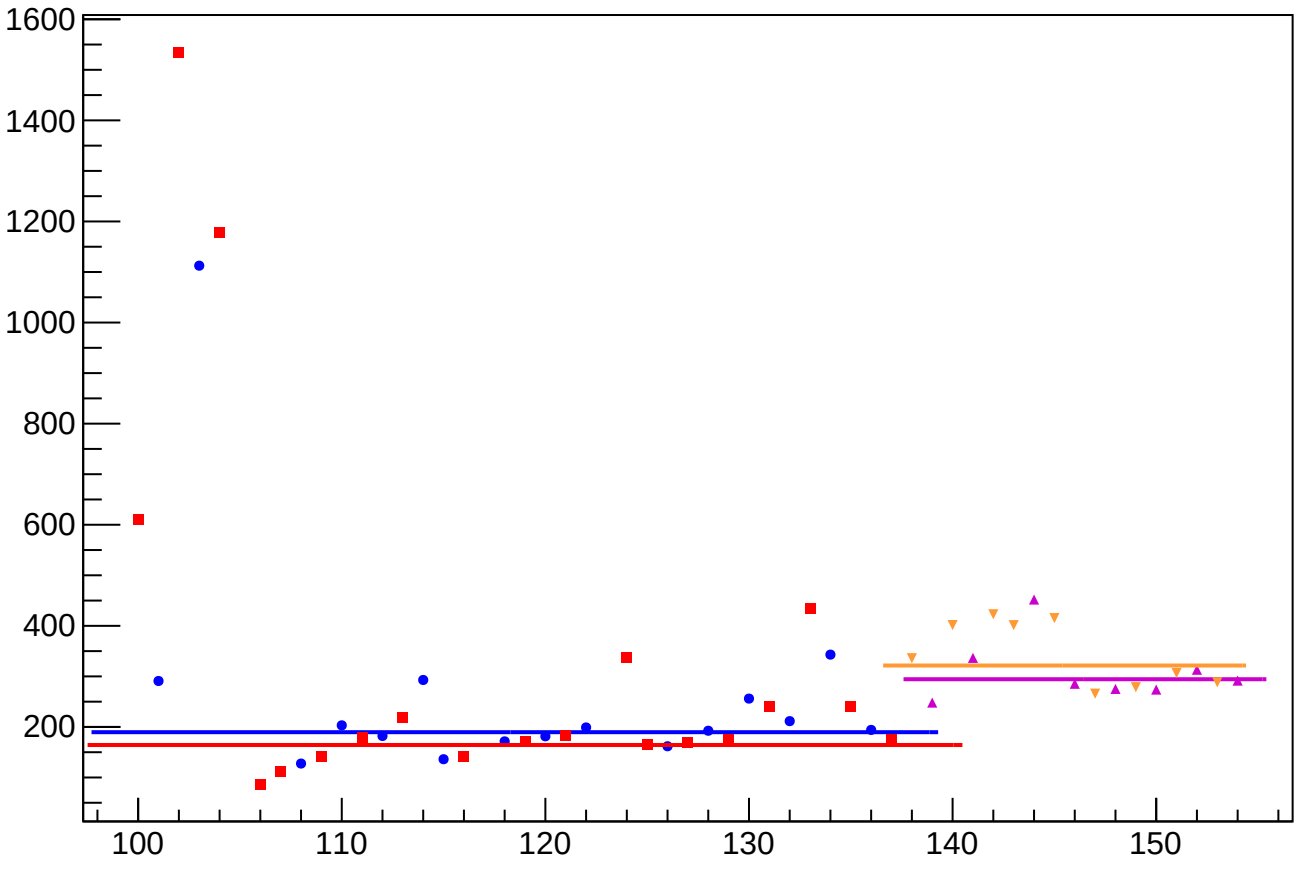
Left: -0.001+/-0.084 χ^2/NDF: 20.1/16

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.064 χ^2/NDF:23.6/23

Out: 0.084+/-0.061 χ^2/NDF:37.4/27

All: -0.001+/-0.044 χ^2/NDF: 65.0/51



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: 294.398+/-0.081 χ^2/NDF:324334.8/7

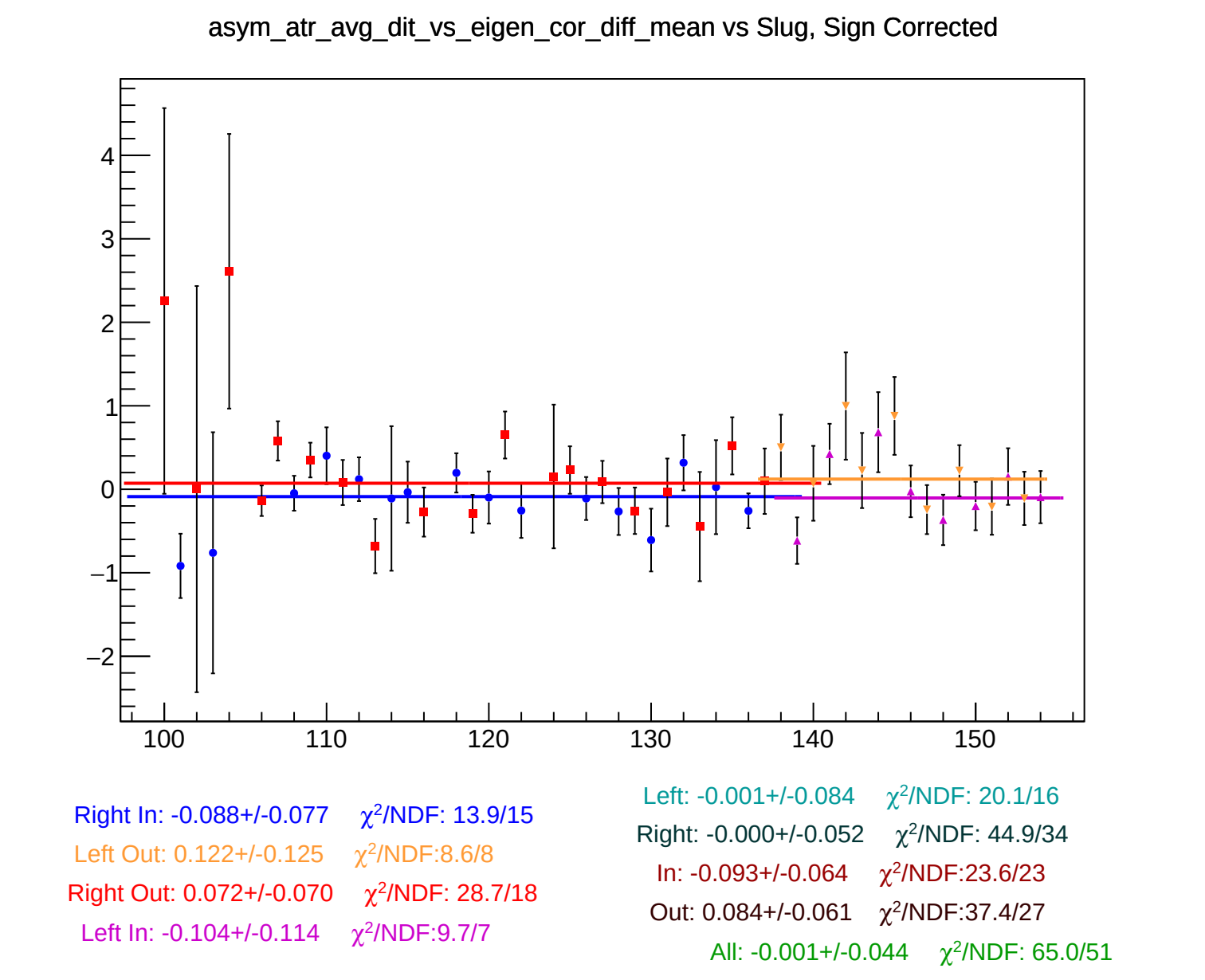
Left: 306.758+/-0.059 χ^2/NDF: 772915.9/16

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 222.342+/-0.045 χ^2/NDF:2952946.1/23

Out: 202.024+/-0.043 χ^2/NDF:5461574.3/27

All: 211.755+/-0.031 χ^2/NDF: 8520660.6/51


asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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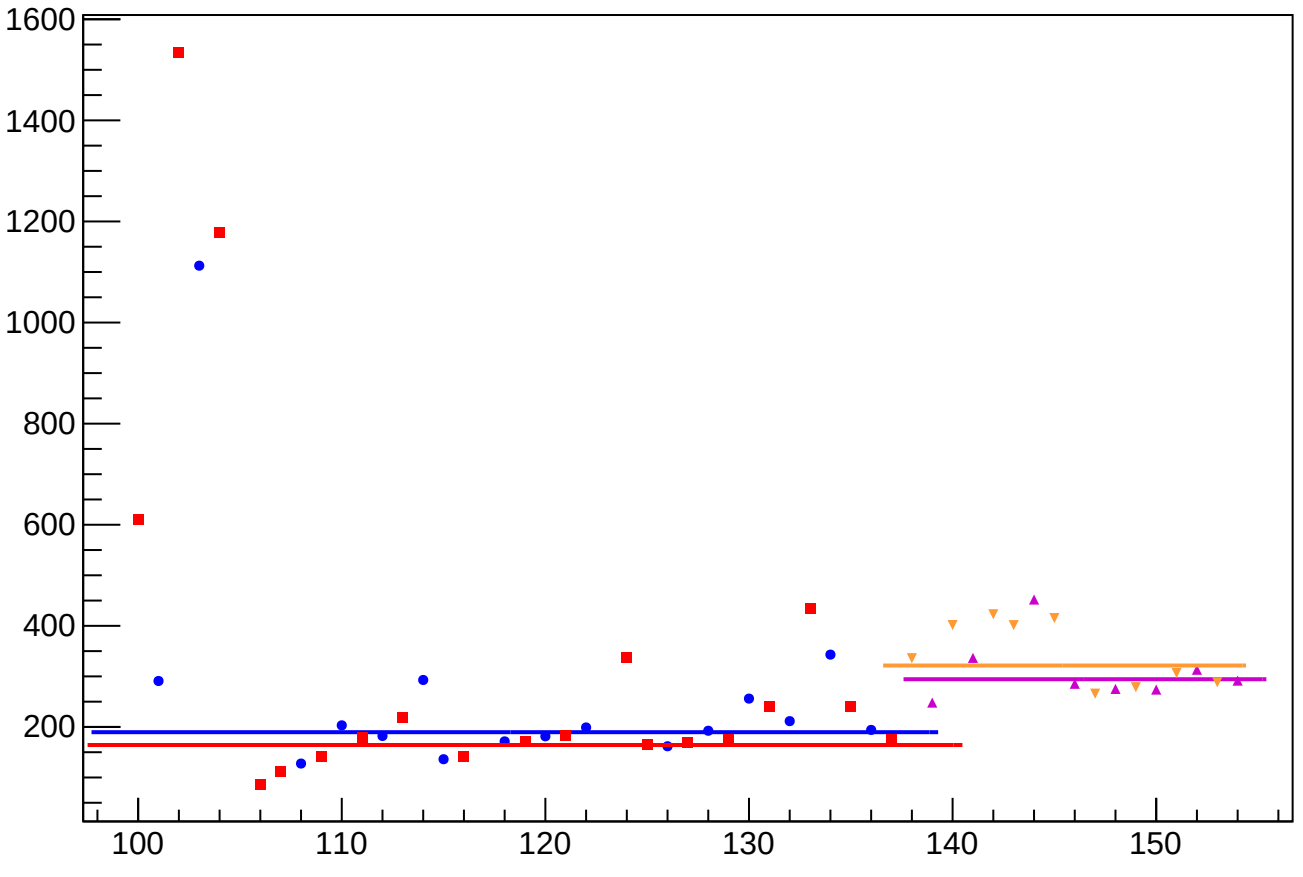
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.122+/-0.125 χ²/NDF:8.6/8
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.104+/-0.114 χ²/NDF:9.7/7
Left: -0.001+/-0.084 χ²/NDF: 20.1/16
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.093+/-0.064 χ²/NDF:23.6/23
Out: 0.084+/-0.061 χ²/NDF:37.4/27
All: -0.001+/-0.044 χ²/NDF: 65.0/51



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: 294.398+/-0.081 χ^2/NDF:324334.8/7

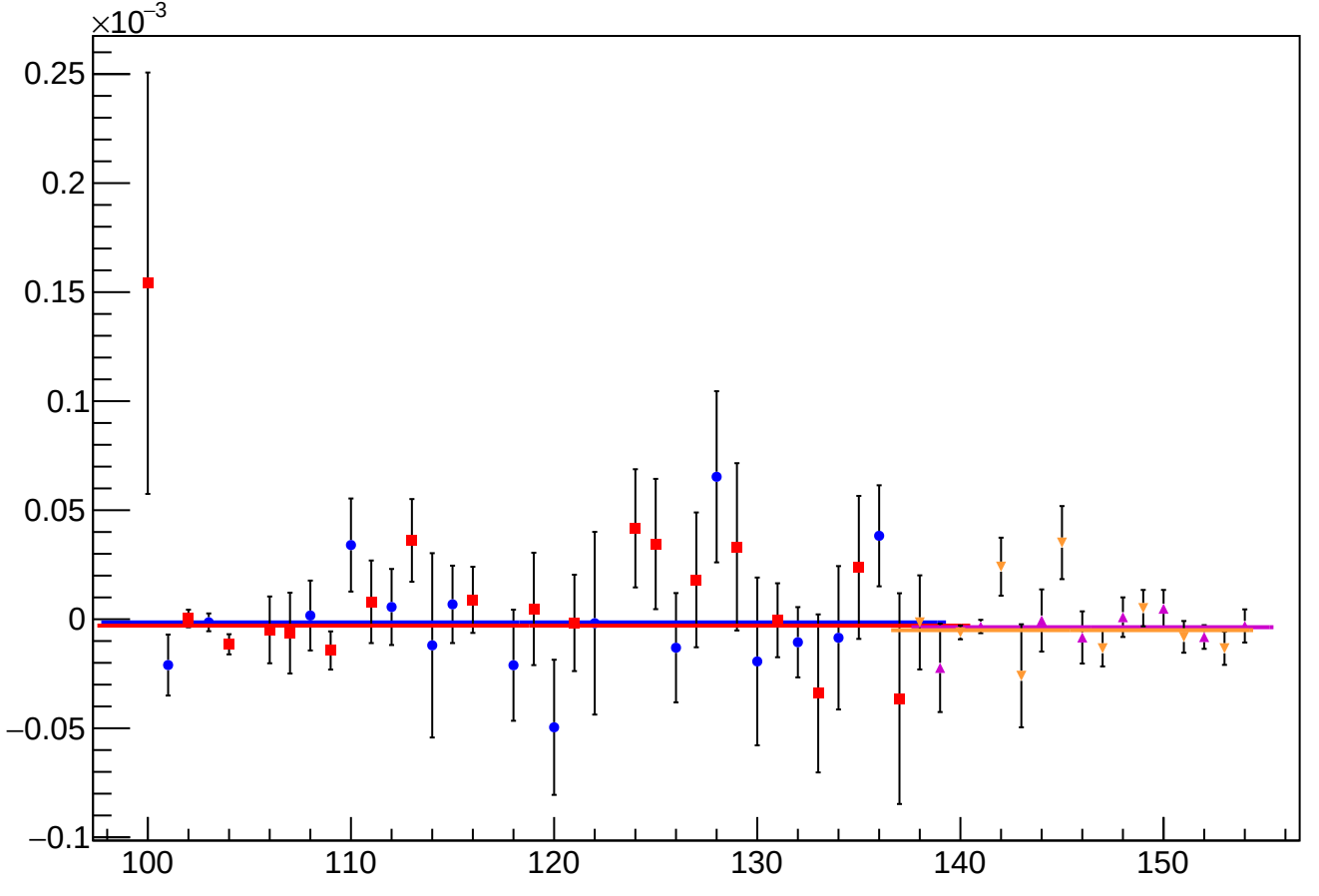
Left: 306.758+/-0.059 χ^2/NDF: 772915.9/16

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 222.342+/-0.045 χ^2/NDF:2952946.1/23

Out: 202.024+/-0.043 χ^2/NDF:5461574.3/27

All: 211.755+/-0.031 χ^2/NDF: 8520660.6/51



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:3.0/7

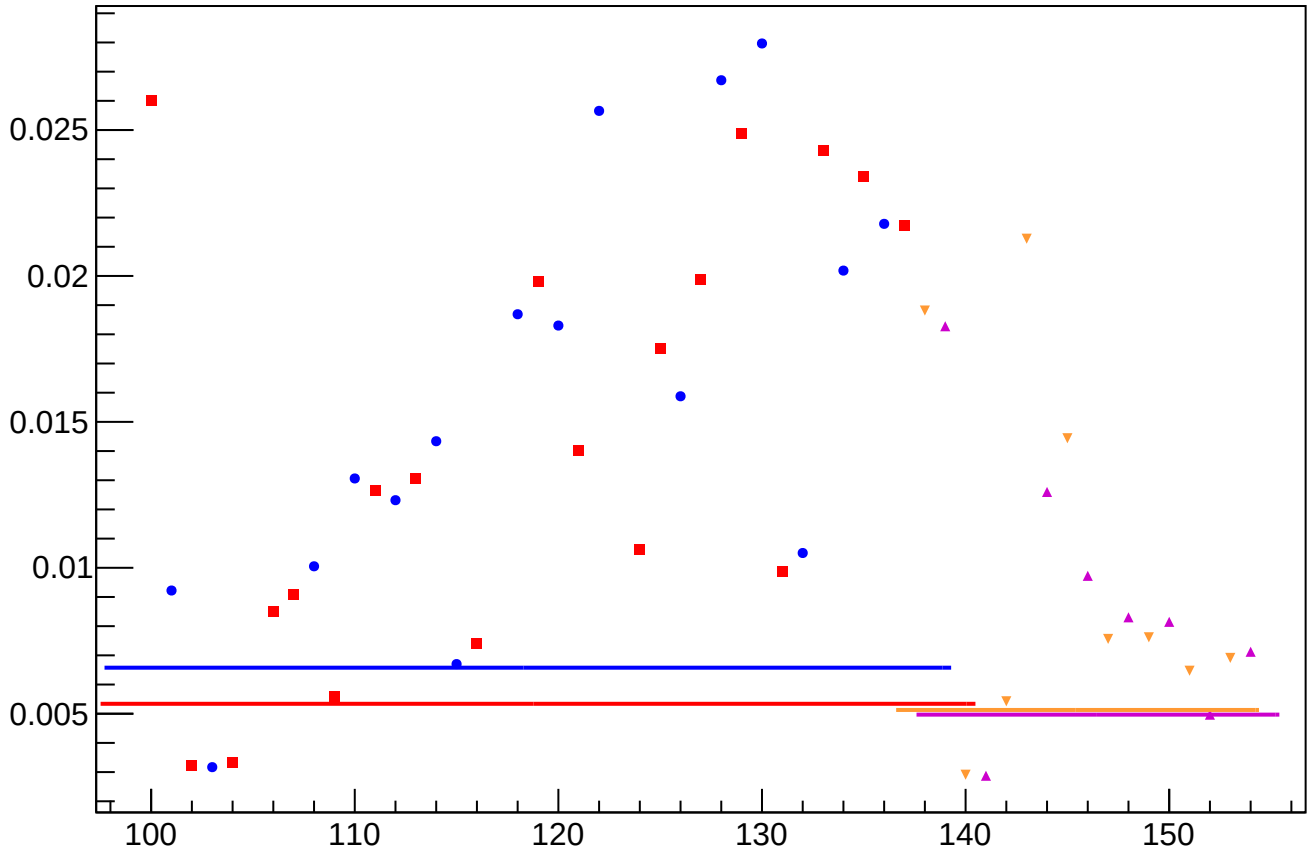
Left: -0.000+/-0.000 χ^2/NDF: 18.4/16

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:18.1/23

Out: -0.000+/-0.000 χ^2/NDF:36.9/27

All: -0.000+/-0.000 χ^2/NDF: 55.2/51



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:3391885.9/7

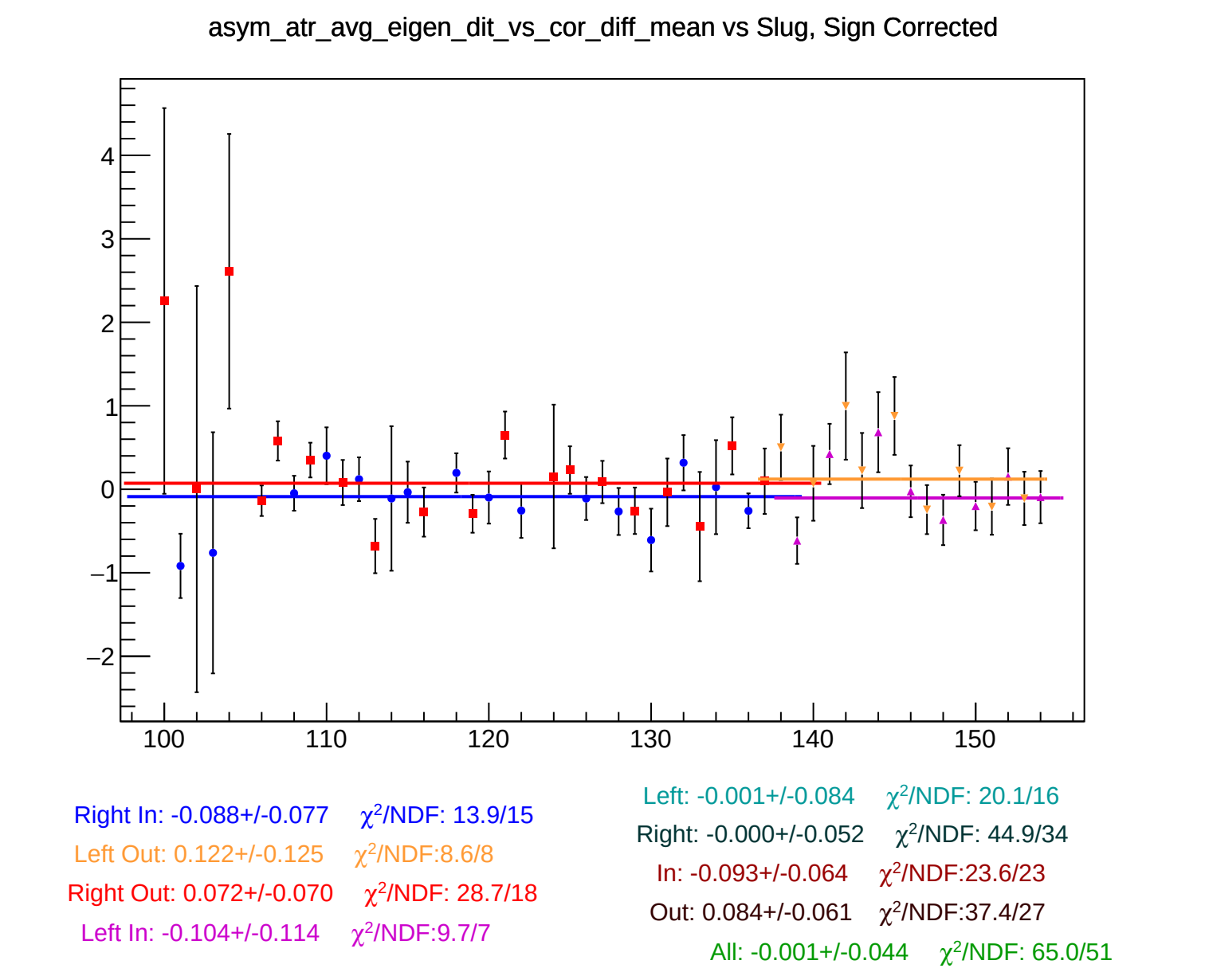
Left: 0.005+/-0.000 χ^2/NDF: 7259446.4/16

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:9642824.0/23

Out: 0.005+/-0.000 χ^2/NDF:9555969.6/27

All: 0.005+/-0.000 χ^2/NDF: 19217936.8/51


asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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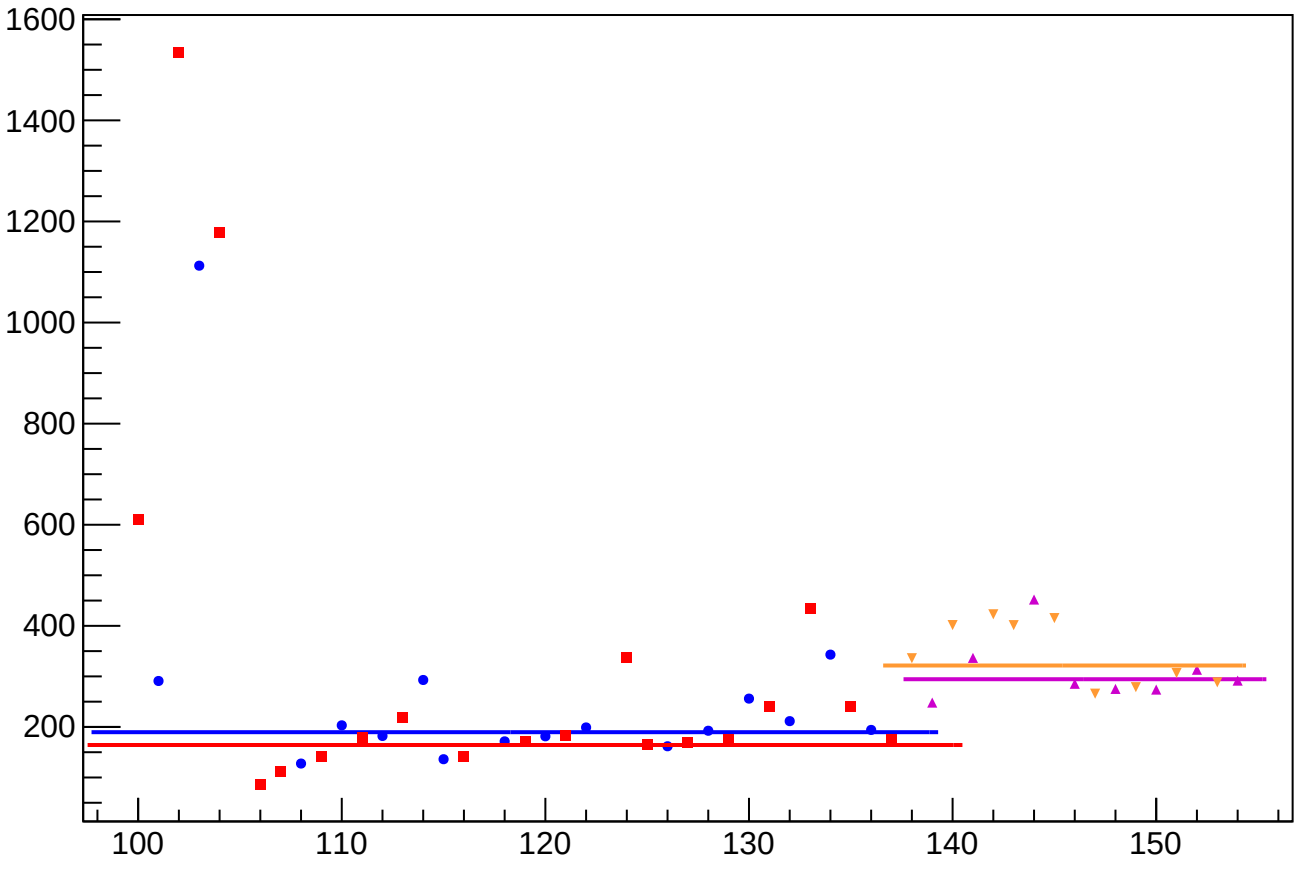
140
150
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.122+/-0.125 χ²/NDF:8.6/8
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.104+/-0.114 χ²/NDF:9.7/7
Left: -0.001+/-0.084 χ²/NDF: 20.1/16
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.093+/-0.064 χ²/NDF:23.6/23
Out: 0.084+/-0.061 χ²/NDF:37.4/27
All: -0.001+/-0.044 χ²/NDF: 65.0/51



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: 294.402+/-0.081 χ^2/NDF:324318.3/7

Left: 306.761+/-0.059 χ^2/NDF: 772890.4/16

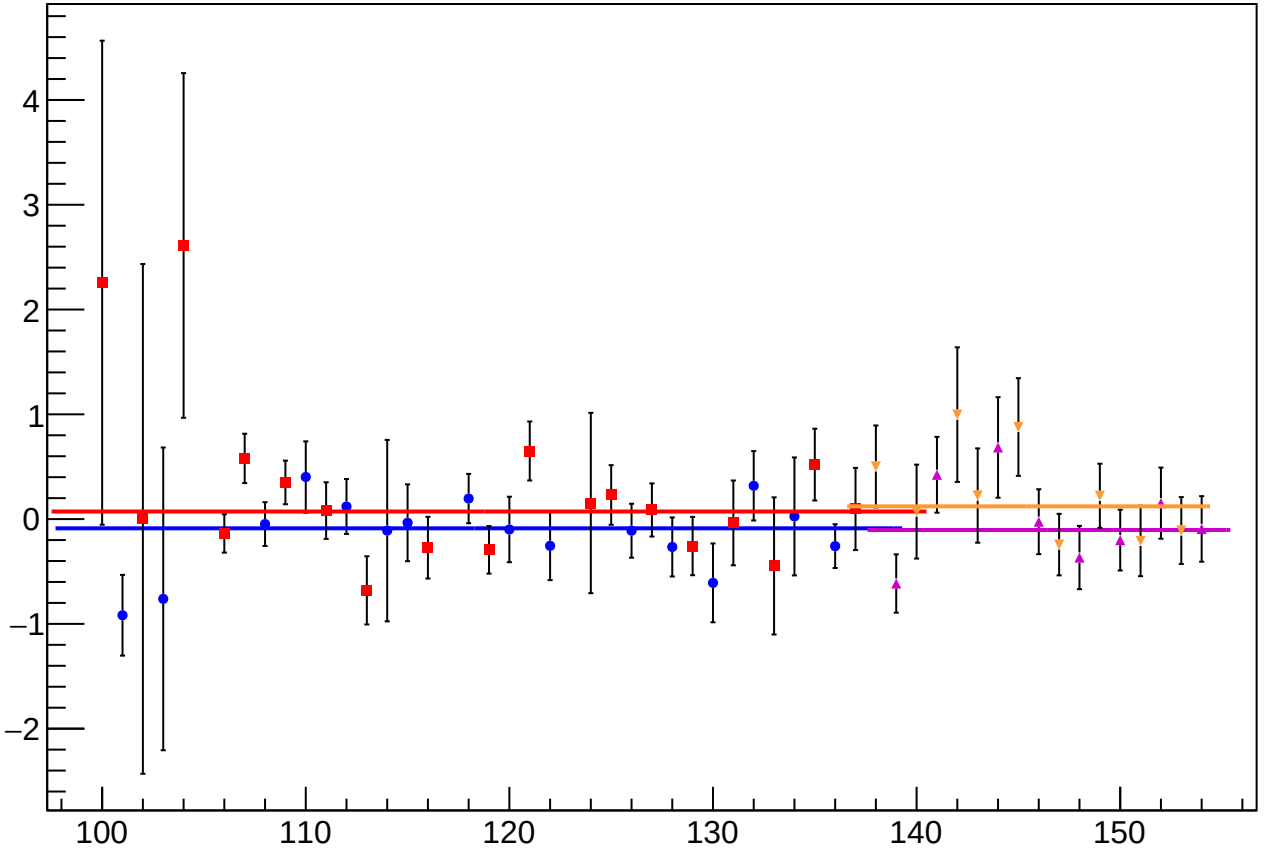
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 222.342+/-0.045 χ^2/NDF:2952998.5/23

Out: 202.023+/-0.043 χ^2/NDF:5461648.3/27

All: 211.755+/-0.031 χ^2/NDF: 8520792.8/51

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: -0.104+/-0.114 χ^2/NDF:9.7/7

Left: -0.001+/-0.084 χ^2/NDF: 20.1/16

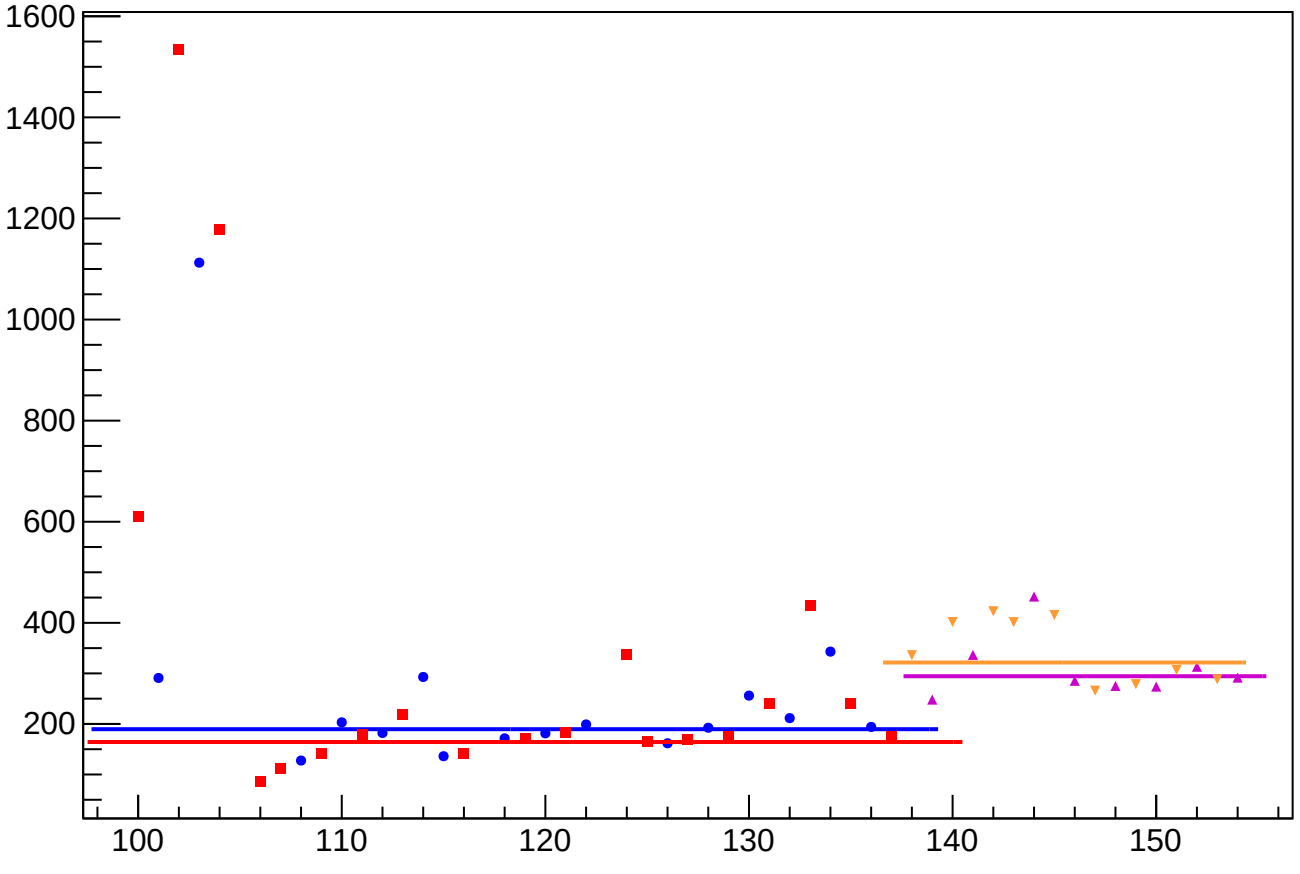
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.064 χ^2/NDF:23.6/23

Out: 0.084+/-0.061 χ^2/NDF:37.4/27

All: -0.001+/-0.044 χ^2/NDF: 65.0/51

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: 294.402+/-0.081 χ^2/NDF:324318.3/7

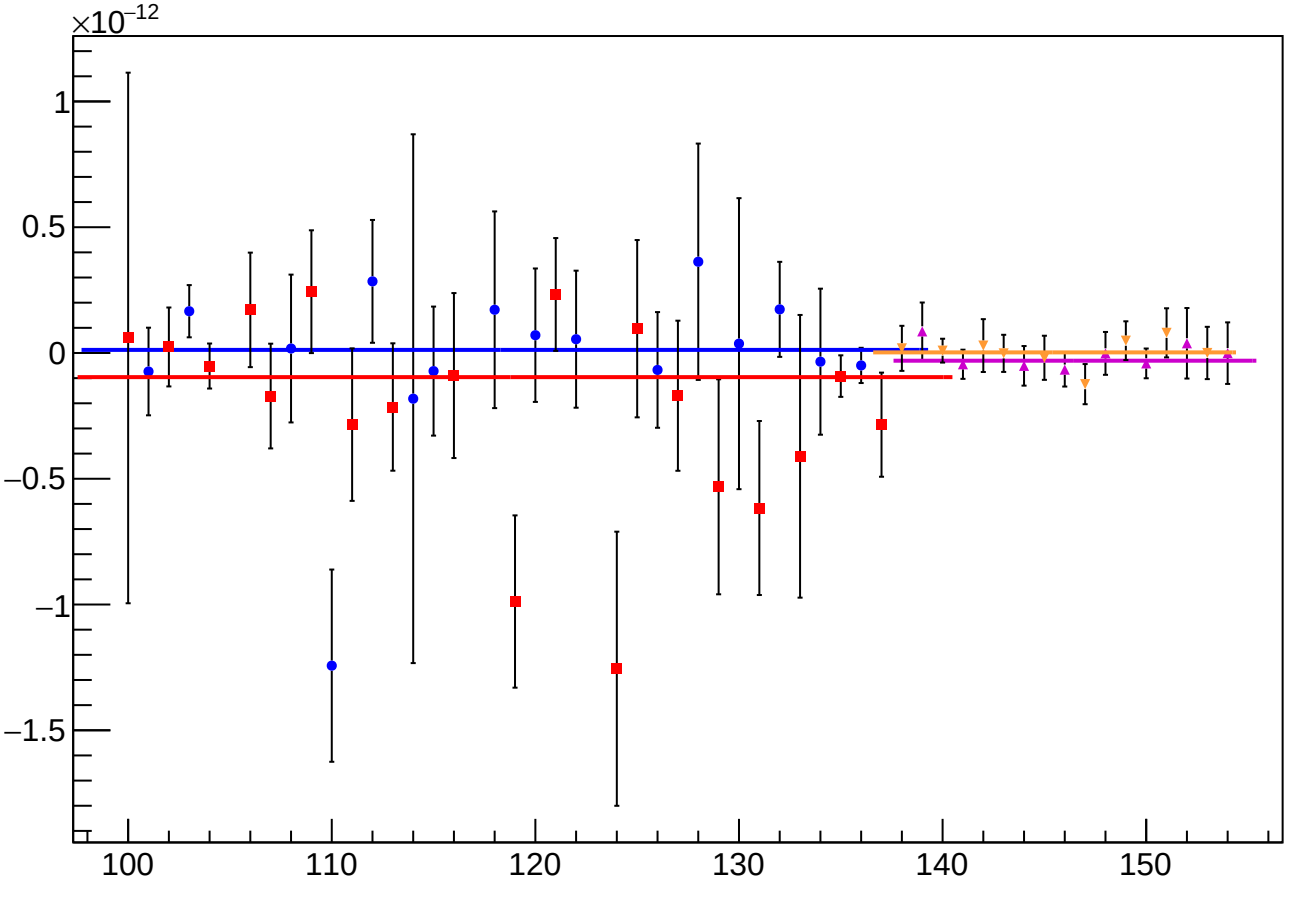
Left: 306.761+/-0.059 χ^2/NDF: 772890.4/16

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 222.342+/-0.045 χ^2/NDF:2952998.5/23

Out: 202.023+/-0.043 χ^2/NDF:5461648.3/27

All: 211.755+/-0.031 χ^2/NDF: 8520792.8/51



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:1.9/7

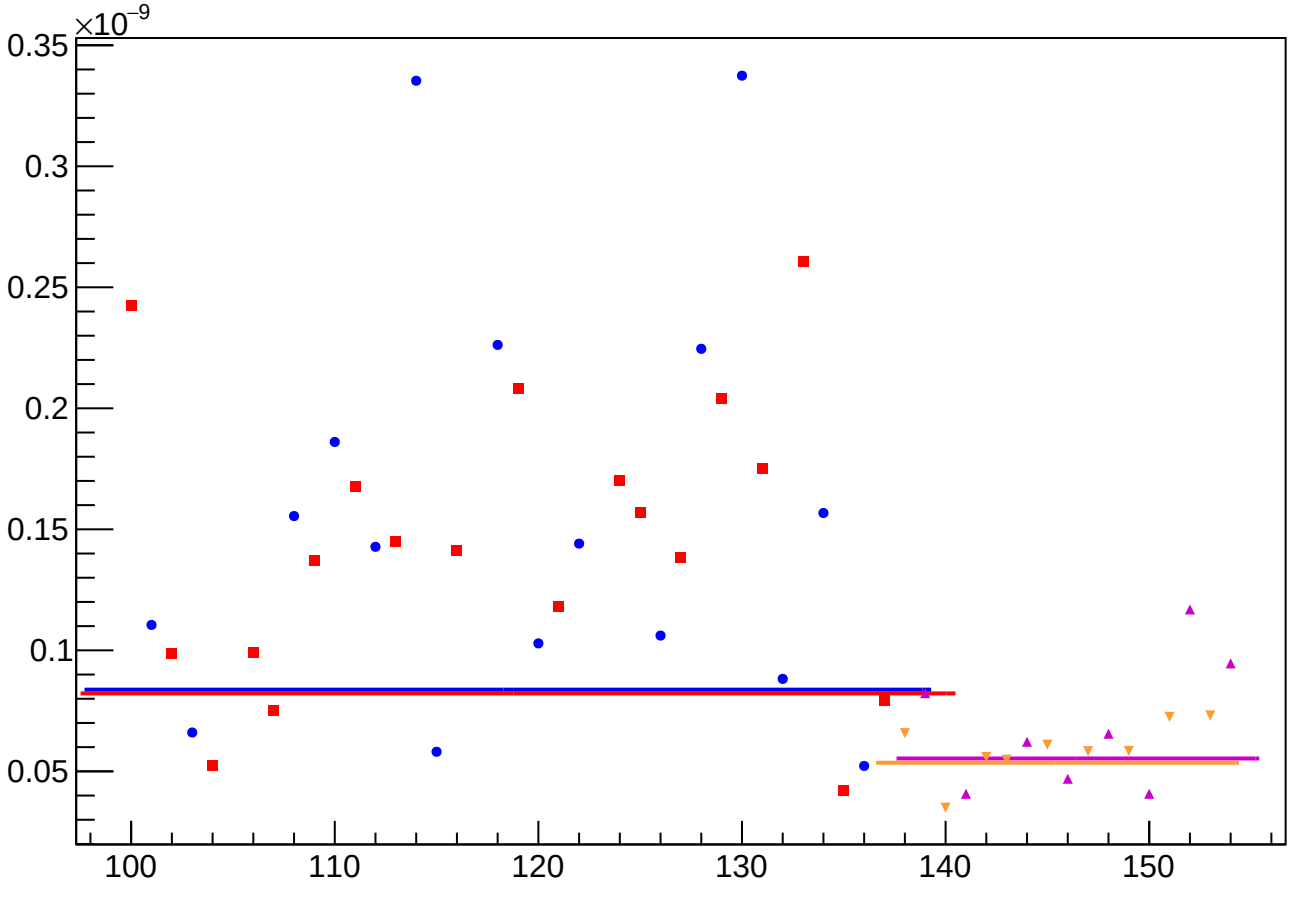
Left: -0.000+/-0.000 χ^2/NDF: 6.3/16

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:19.6/23

Out: -0.000+/-0.000 χ^2/NDF:30.5/27

All: -0.000+/-0.000 χ^2/NDF: 50.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:522028.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1025617.2/7

Left: 0.000+/-0.000 χ^2/NDF: 1551842.9/16

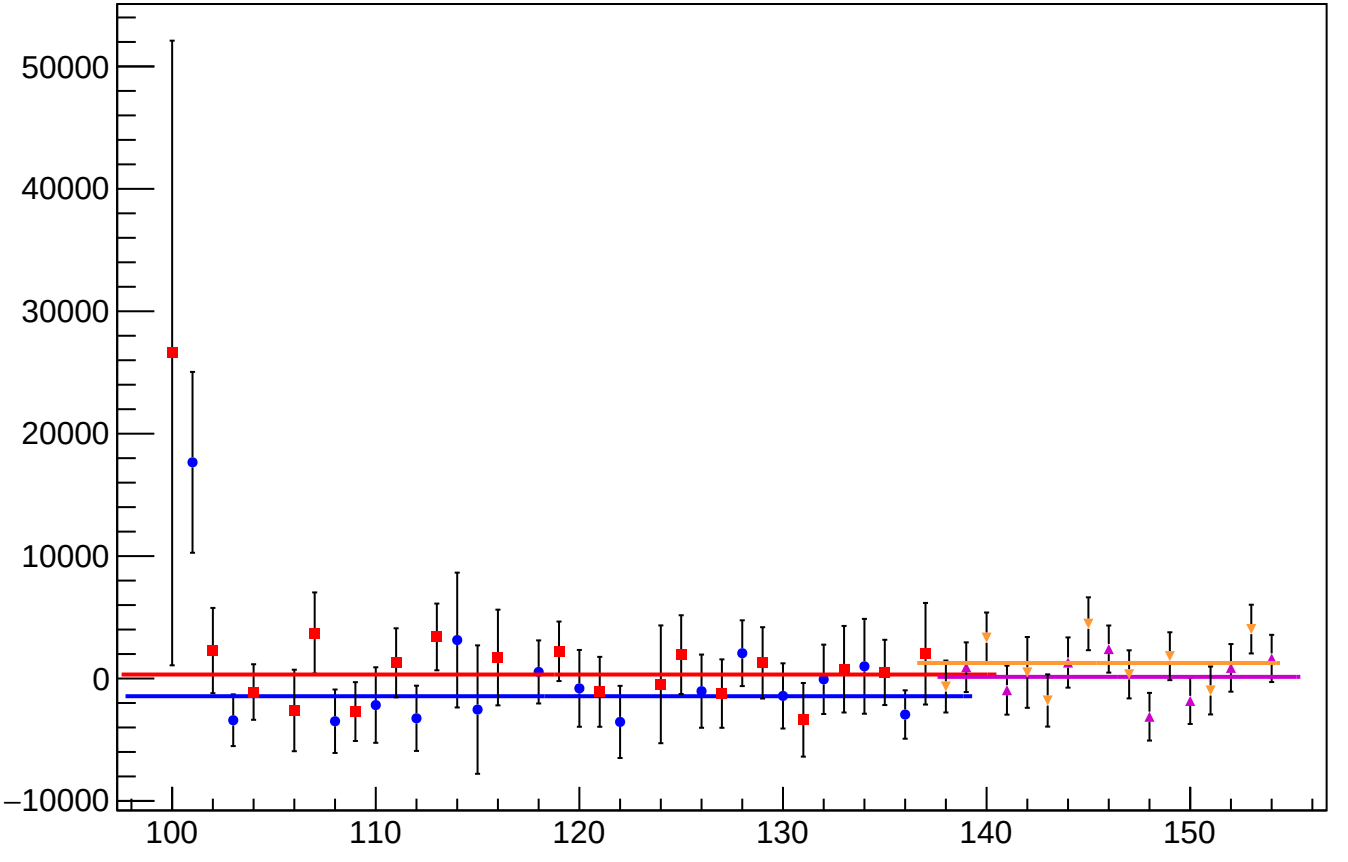
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:3702839.8/23

Out: 0.000+/-0.000 χ^2/NDF:3407949.1/27

All: 0.000+/-0.000 χ^2/NDF: 7120531.4/51

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: 134.353+/-693.522 χ^2/NDF:6.8/7

Left: 697.699+/-492.278 χ^2/NDF: 17.9/16

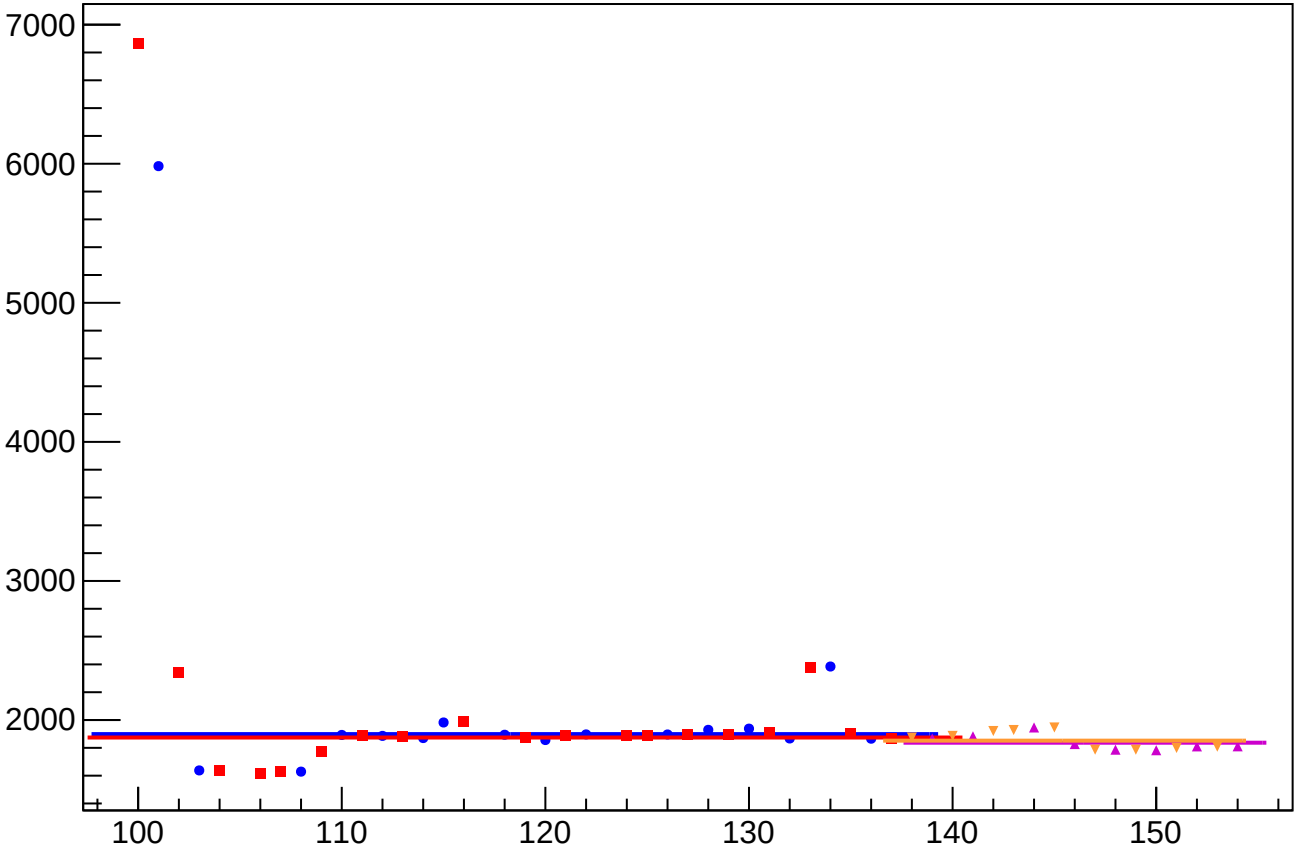
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -623.060+/-500.538 χ^2/NDF:22.8/23

Out: 800.383+/-495.510 χ^2/NDF:20.6/27

All: 95.846+/-352.143 χ^2/NDF: 47.5/51

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: 1836.968+/-0.490 χ^2/NDF:10971.9/7

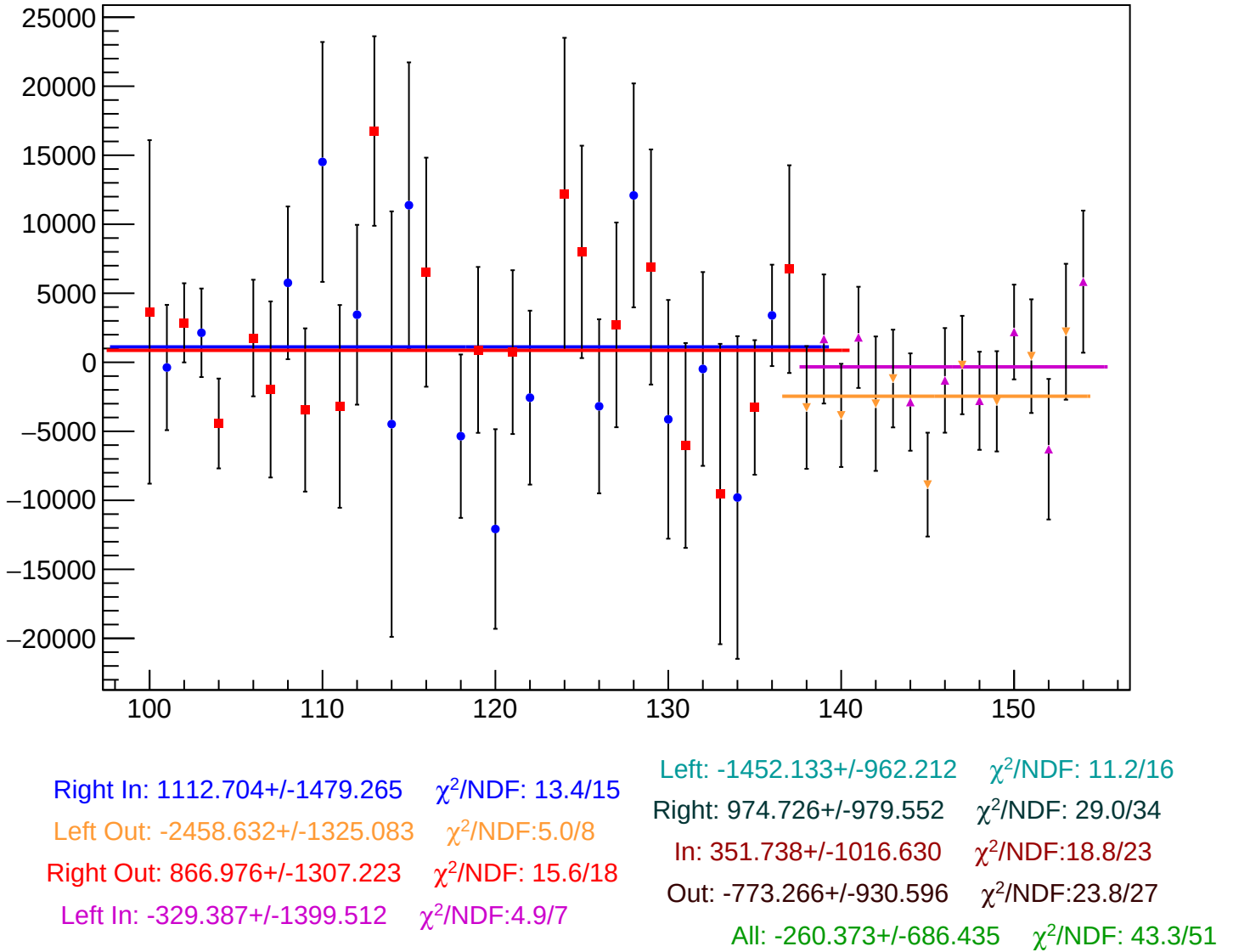
Left: 1844.273+/-0.348 χ^2/NDF: 26541.3/16

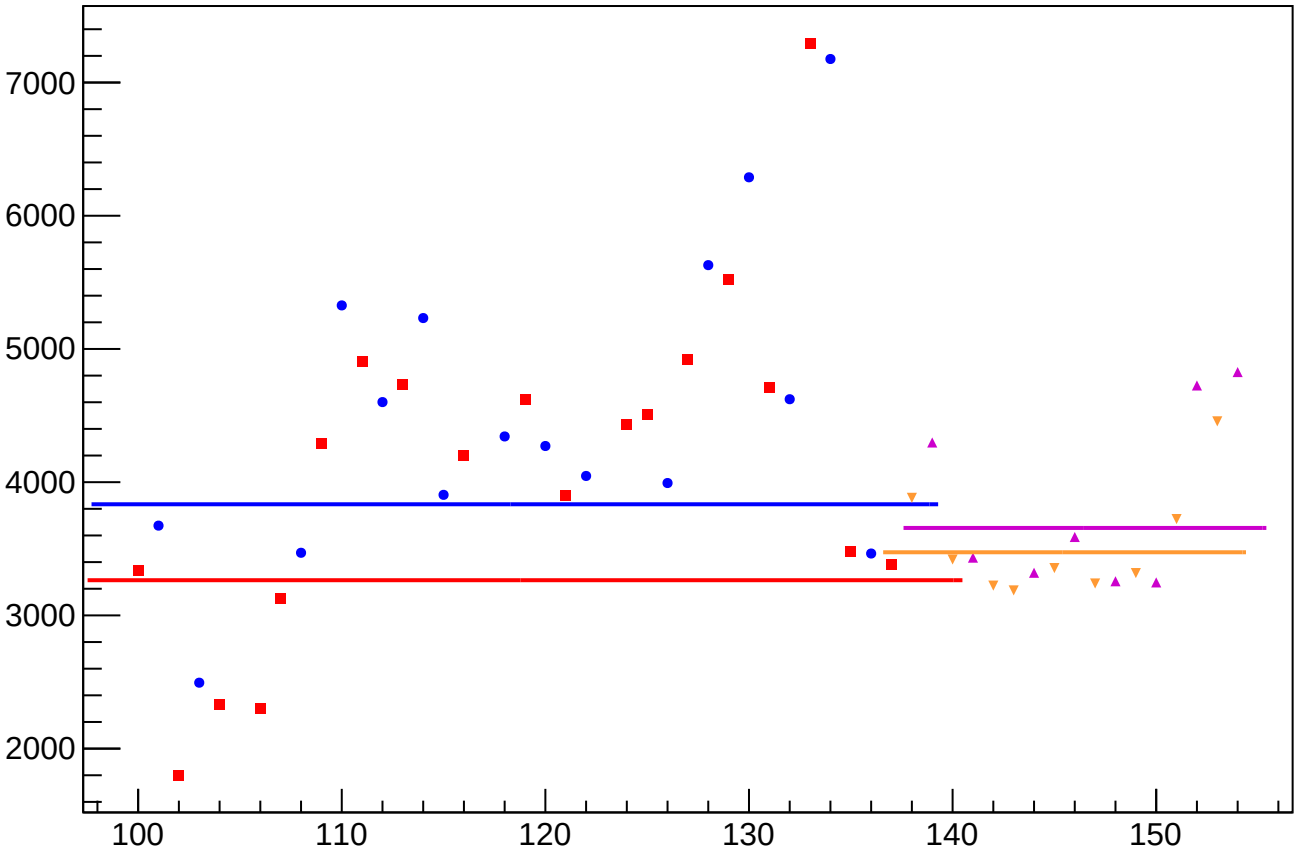
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1866.604+/-0.354 χ^2/NDF:716109.2/23

Out: 1862.948+/-0.350 χ^2/NDF:223819.9/27

All: 1864.755+/-0.249 χ^2/NDF: 939983.1/51


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -2458.632+/-1325.083 χ²/NDF:5.0/8
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -329.387+/-1399.512 χ²/NDF:4.9/7
Left: -1452.133+/-962.212 χ²/NDF: 11.2/16
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 351.738+/-1016.630 χ²/NDF:18.8/23
Out: -773.266+/-930.596 χ²/NDF:23.8/27
All: -260.373+/-686.435 χ²/NDF: 43.3/51



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: 3656.464+/-0.990 χ^2/NDF:309175.9/7

Left: 3560.176+/-0.680 χ^2/NDF: 464153.2/16

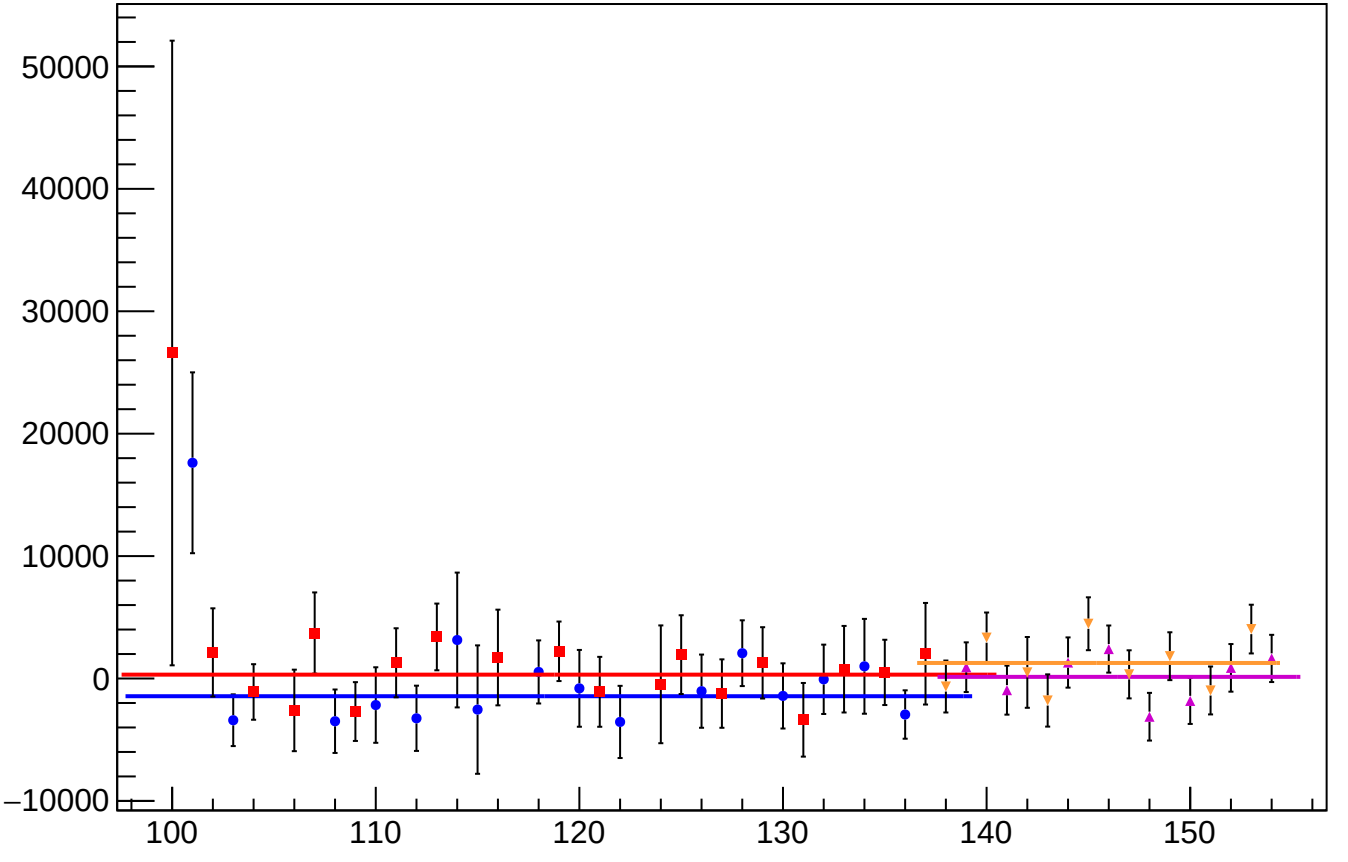
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3740.395+/-0.719 χ^2/NDF:1281181.0/23

Out: 3367.561+/-0.658 χ^2/NDF:2026660.1/27

All: 3537.537+/-0.485 χ^2/NDF: 3454197.3/51

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: 134.382+/-693.522 χ^2/NDF:6.8/7

Left: 697.745+/-492.278 χ^2/NDF: 17.9/16

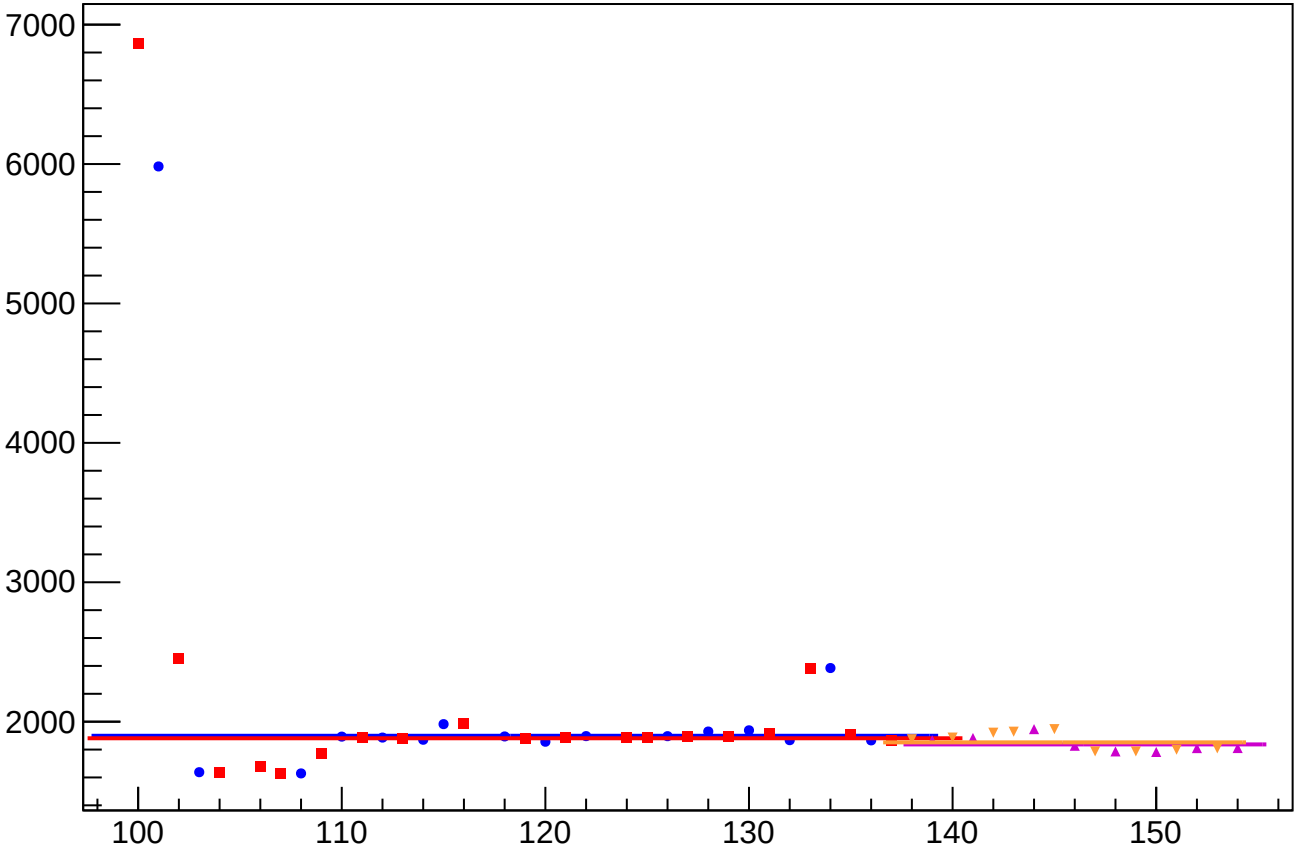
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -623.230+/-500.538 χ^2/NDF:22.8/23

Out: 795.863+/-495.842 χ^2/NDF:20.5/27

All: 93.004+/-352.262 χ^2/NDF: 47.3/51

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: 1836.968+/-0.490 χ^2/NDF:10971.9/7

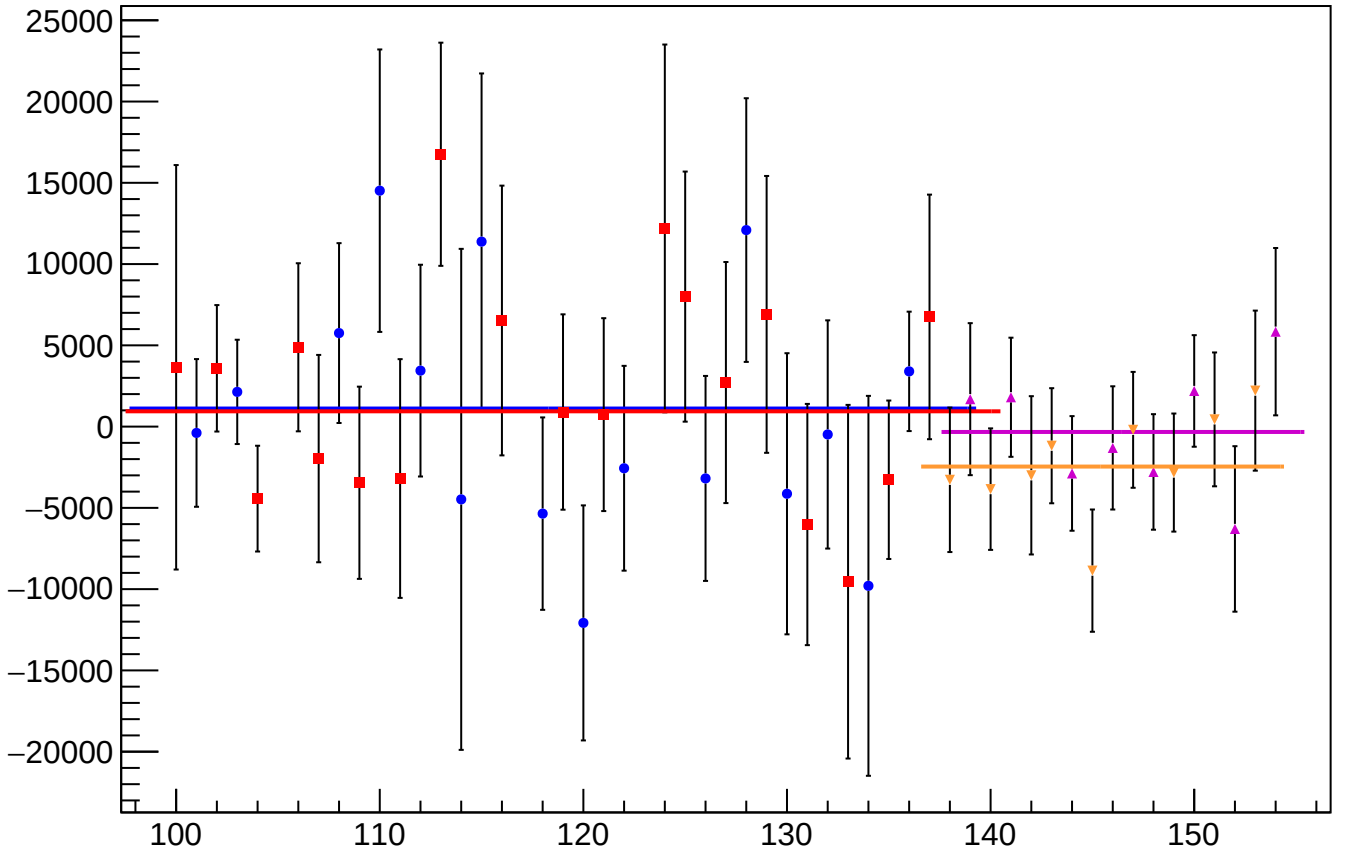
Left: 1844.273+/-0.348 χ^2/NDF: 26541.3/16

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1866.604+/-0.354 χ^2/NDF:716109.3/23

Out: 1866.273+/-0.350 χ^2/NDF:233437.0/27

All: 1866.437+/-0.249 χ^2/NDF: 949546.8/51



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: -329.520+/-1399.509 χ^2/NDF:4.9/7

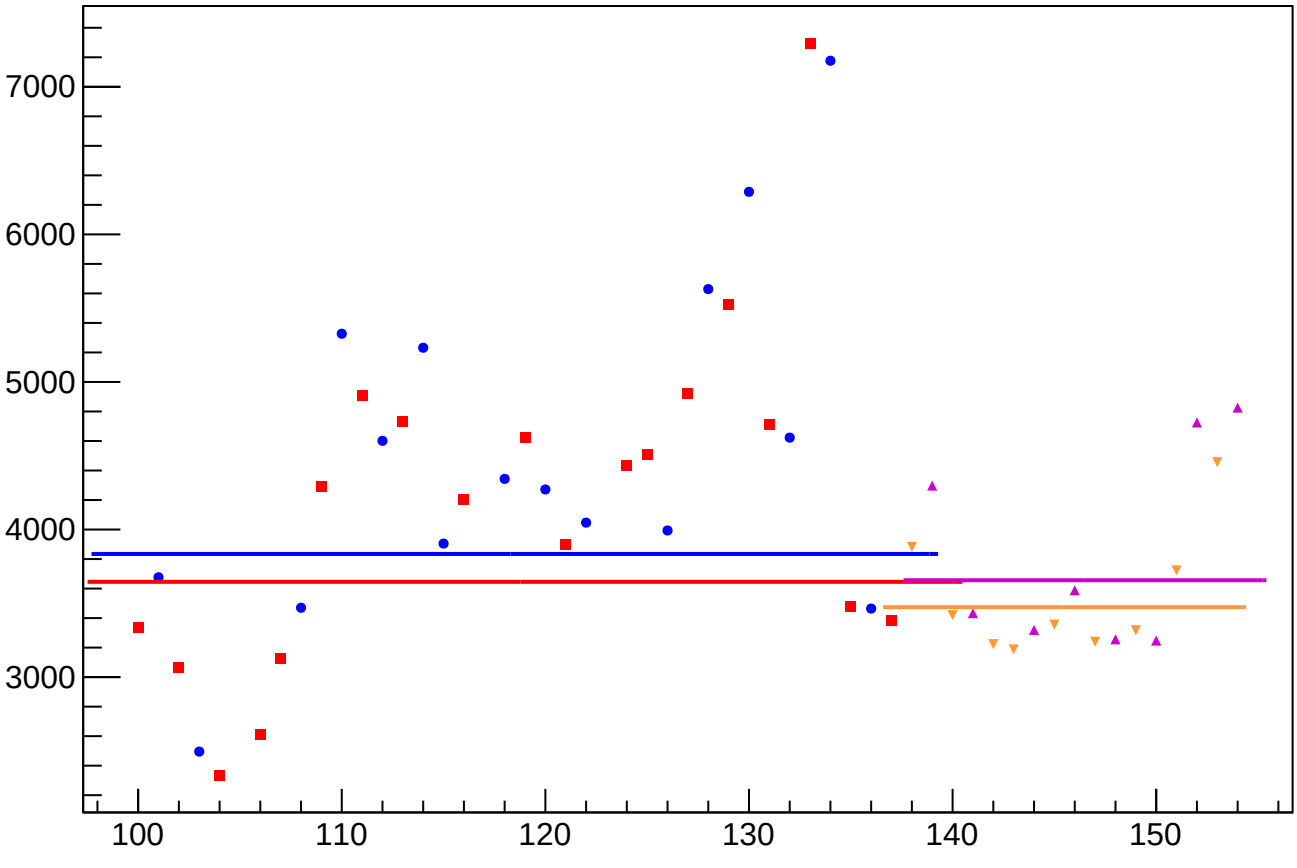
Left: -1452.173+/-962.211 χ^2/NDF: 11.2/16

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 351.029+/-1016.685 χ^2/NDF:18.8/23

Out: -851.104+/-962.043 χ^2/NDF:24.3/27

All: -283.209+/-698.786 χ^2/NDF: 43.9/51



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: 3656.455+/-0.990 χ^2/NDF:309182.2/7

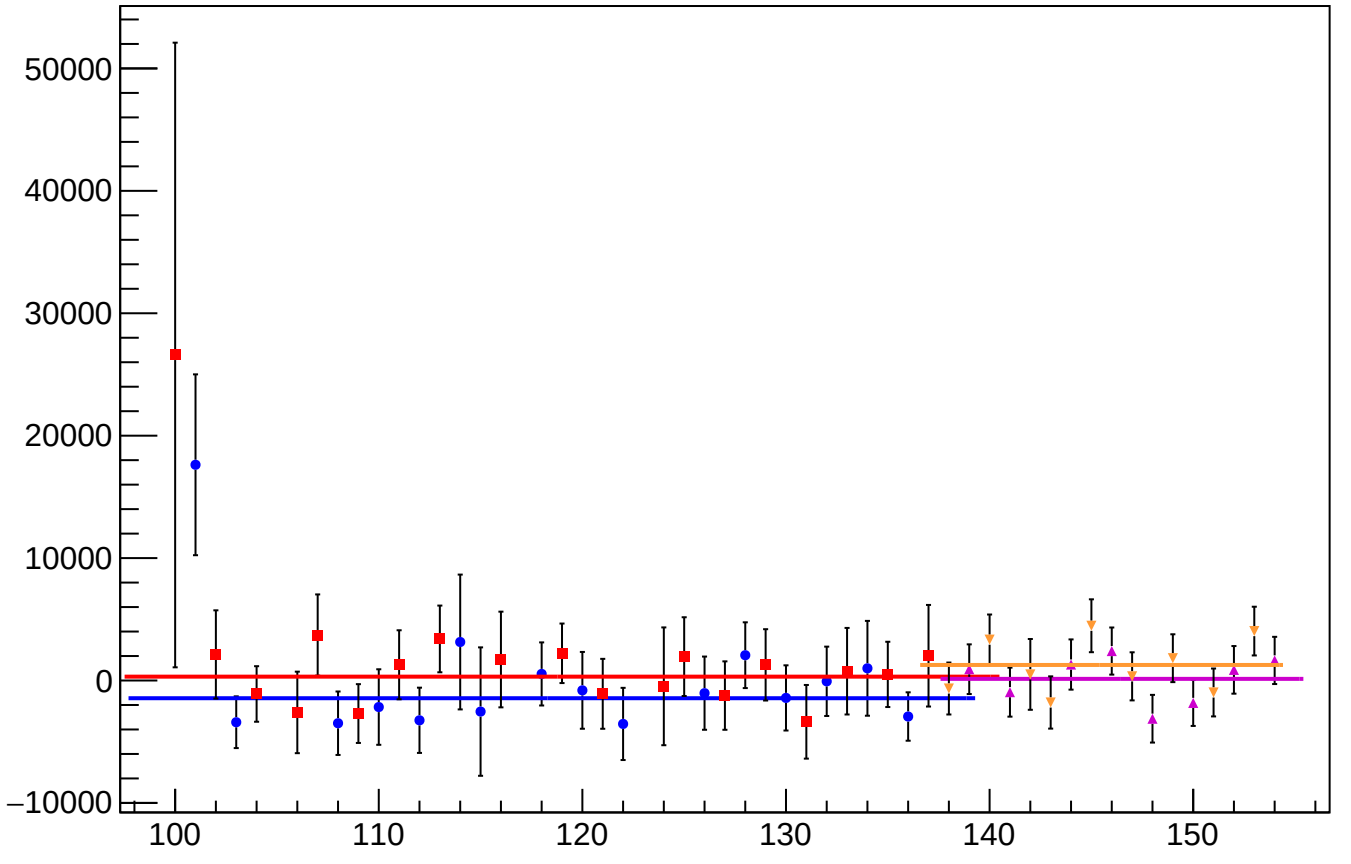
Left: 3560.171+/-0.680 χ^2/NDF: 464163.7/16

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3740.628+/-0.719 χ^2/NDF:1280813.9/23

Out: 3555.114+/-0.680 χ^2/NDF:1277914.6/27

All: 3642.752+/-0.494 χ^2/NDF: 2593860.9/51



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: 134.382+/-693.522 χ^2/NDF:6.8/7

Left: 697.745+/-492.278 χ^2/NDF: 17.9/16

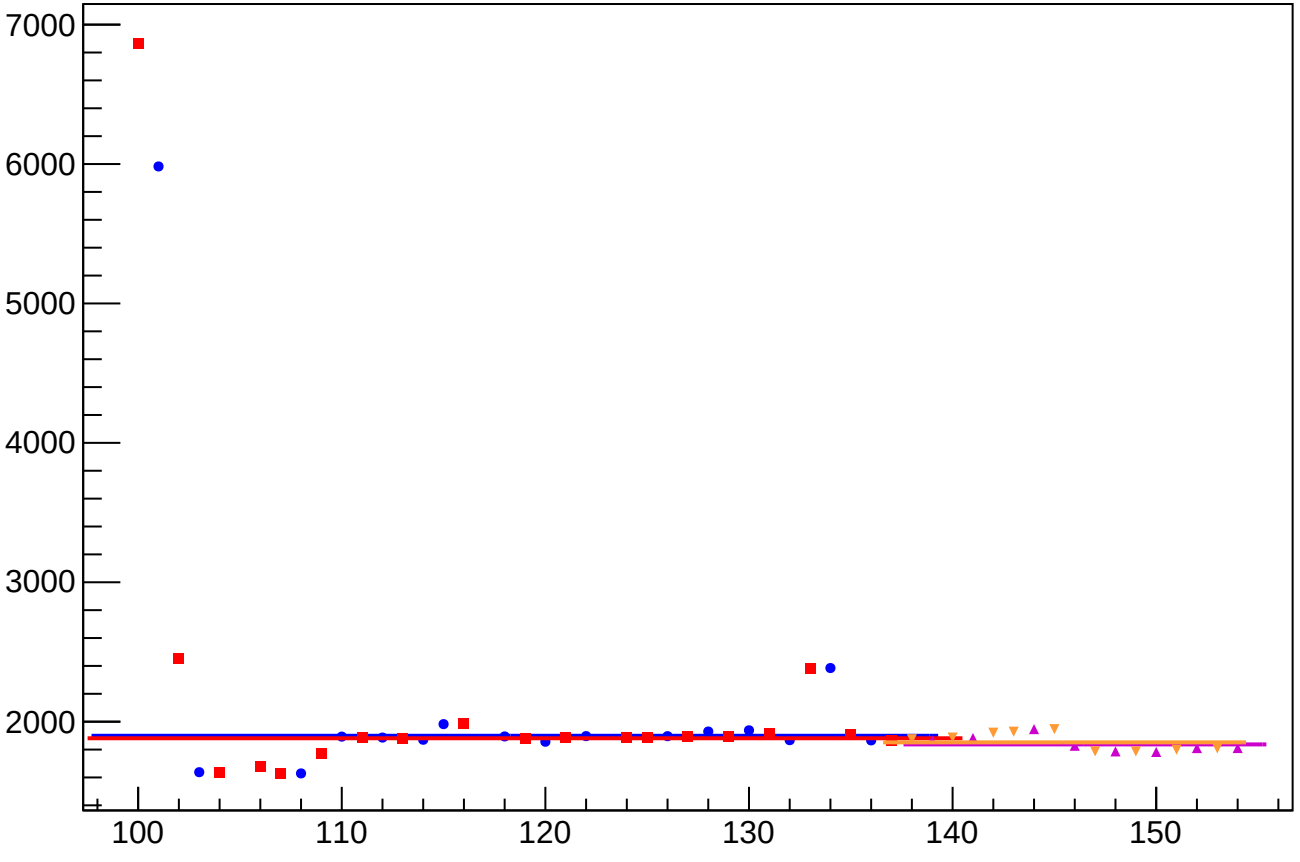
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -623.230+/-500.538 χ^2/NDF:22.8/23

Out: 795.863+/-495.842 χ^2/NDF:20.5/27

All: 93.004+/-352.262 χ^2/NDF: 47.3/51

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: 1836.968+/-0.490 χ^2/NDF:10971.9/7

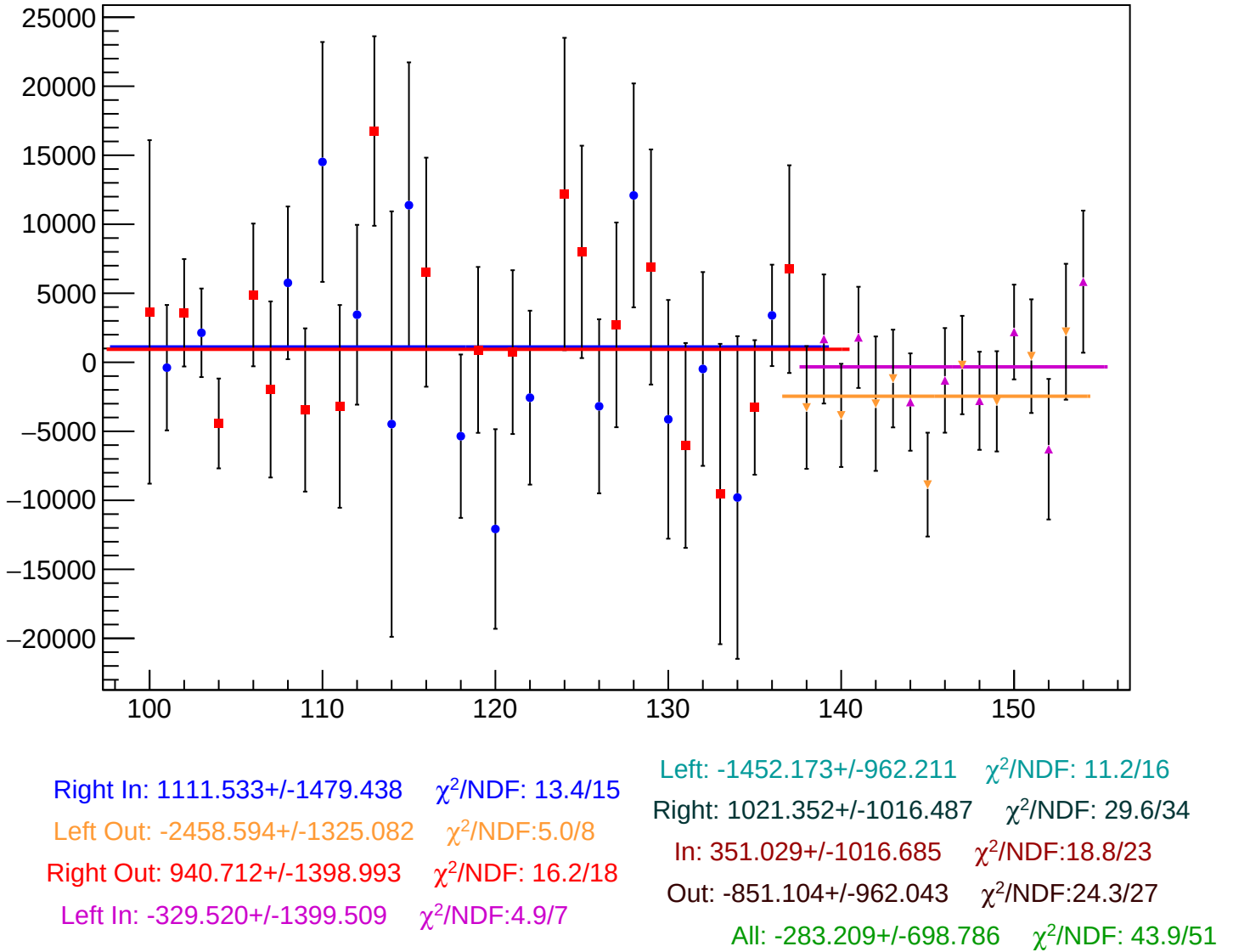
Left: 1844.273+/-0.348 χ^2/NDF: 26541.3/16

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1866.604+/-0.354 χ^2/NDF:716109.3/23

Out: 1866.273+/-0.350 χ^2/NDF:233437.0/27

All: 1866.437+/-0.249 χ^2/NDF: 949546.8/51


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
25000
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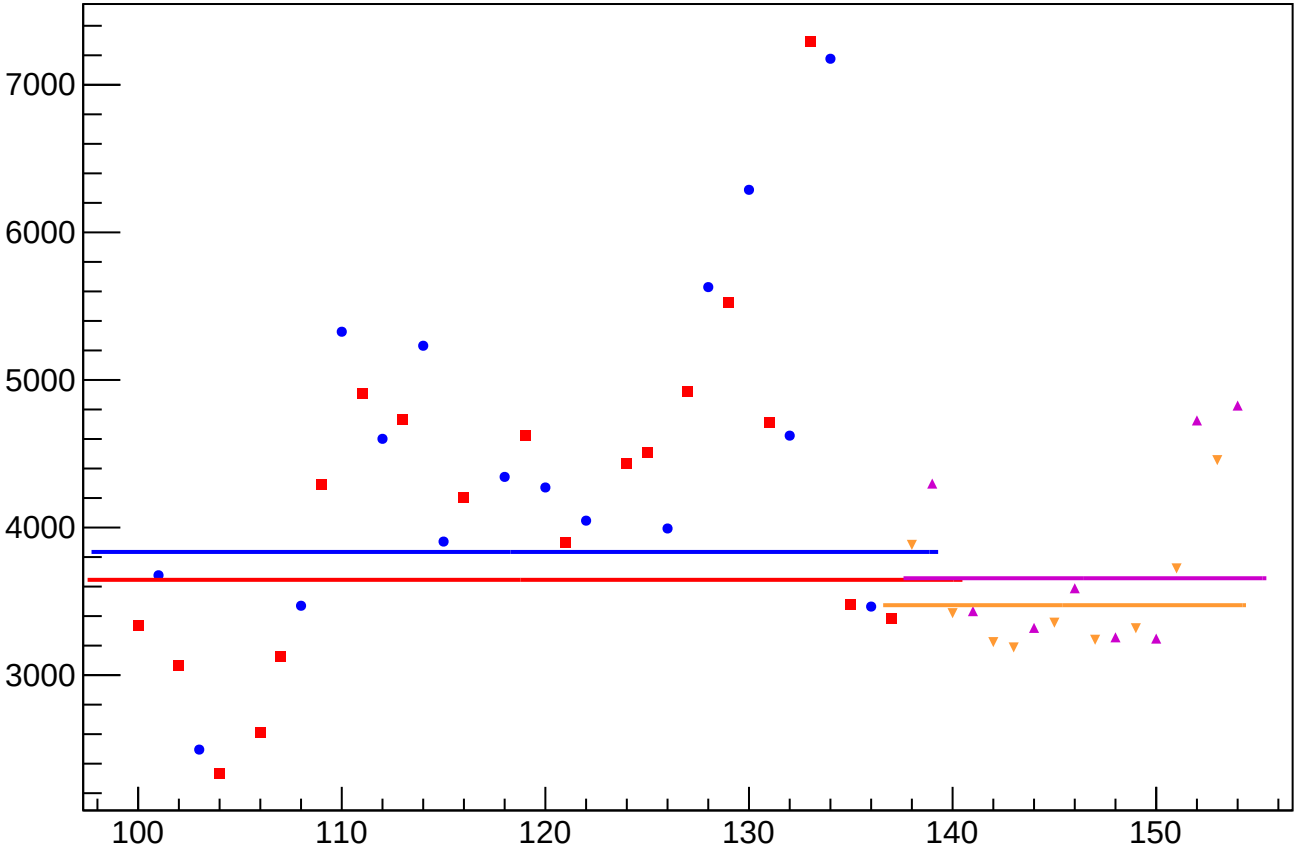
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -2458.594+/-1325.082 χ²/NDF:5.0/8
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -329.520+/-1399.509 χ²/NDF:4.9/7
Left: -1452.173+/-962.211 χ²/NDF: 11.2/16
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 351.029+/-1016.685 χ²/NDF:18.8/23
Out: -851.104+/-962.043 χ²/NDF:24.3/27
All: -283.209+/-698.786 χ²/NDF: 43.9/51

asym_atr_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 3656.455+/-0.990 χ^2/NDF:309182.2/7

Left: 3560.171+/-0.680 χ^2/NDF: 464163.7/16

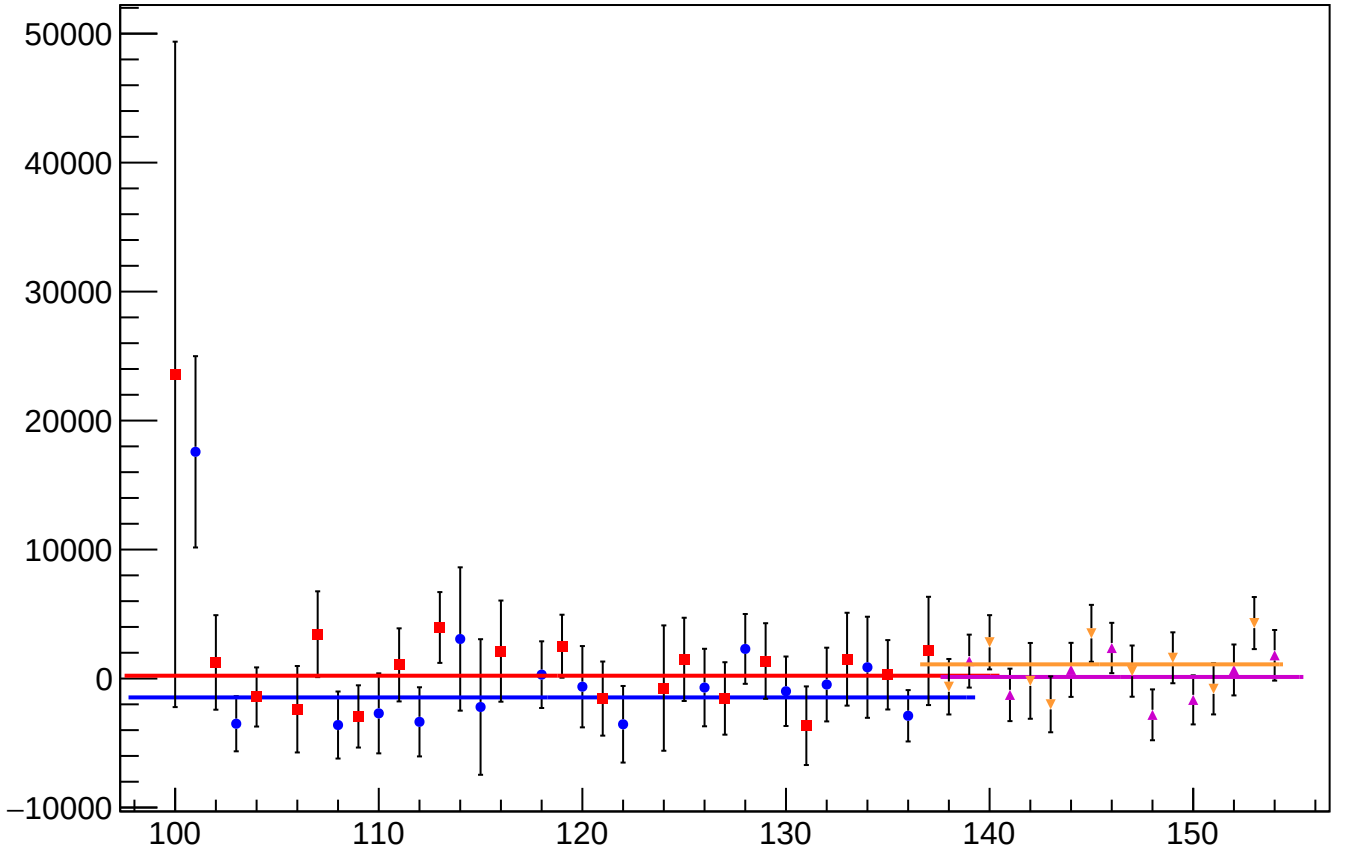
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3740.628+/-0.719 χ^2/NDF:1280813.9/23

Out: 3555.114+/-0.680 χ^2/NDF:1277914.6/27

All: 3642.752+/-0.494 χ^2/NDF: 2593860.9/51

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: 122.782+/-703.660 χ^2/NDF:6.1/7

Left: 607.506+/-499.663 χ^2/NDF: 15.4/16

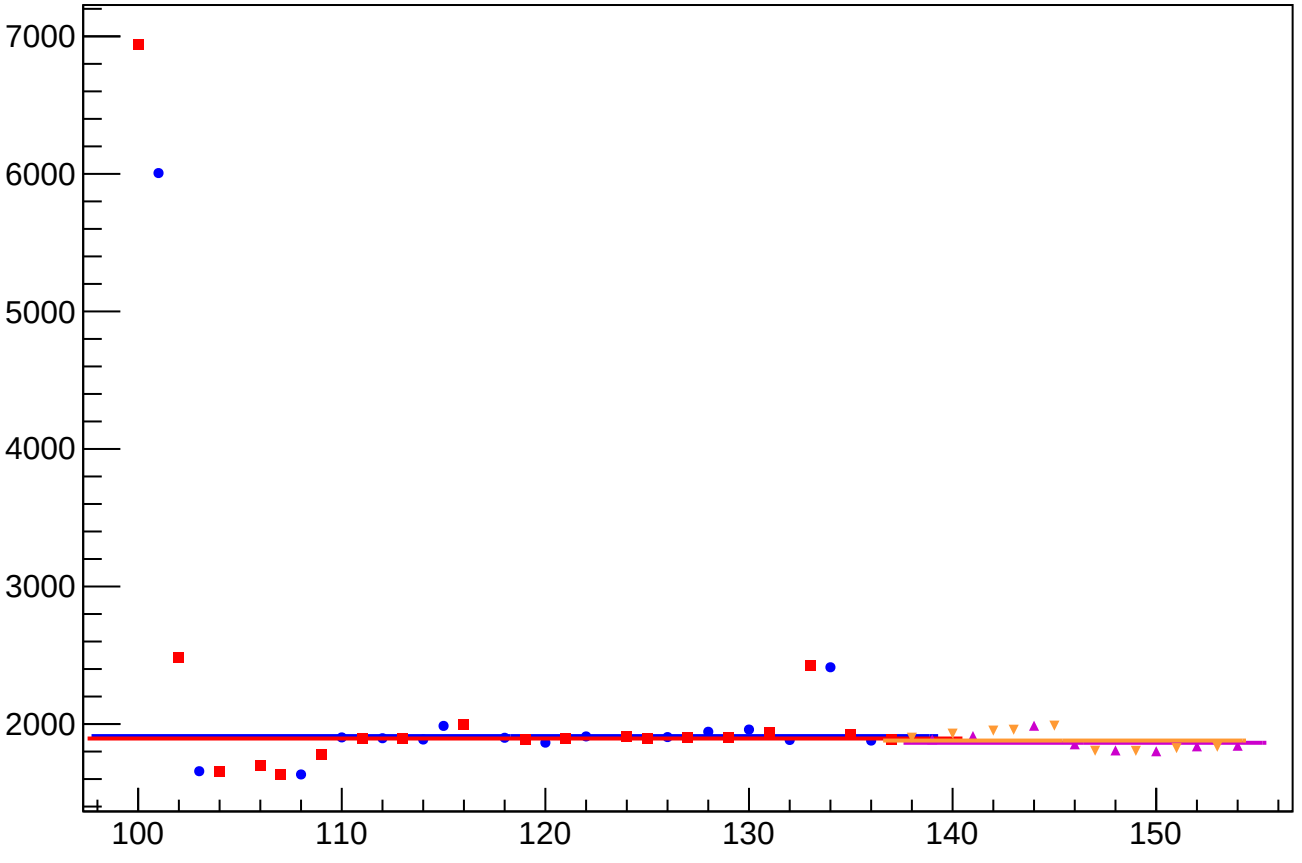
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -642.684+/-506.041 χ^2/NDF:22.1/23

Out: 659.626+/-501.512 χ^2/NDF:19.9/27

All: 14.324+/-356.213 χ^2/NDF: 45.3/51

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: 1863.678+/-0.498 χ^2/NDF:12790.5/7

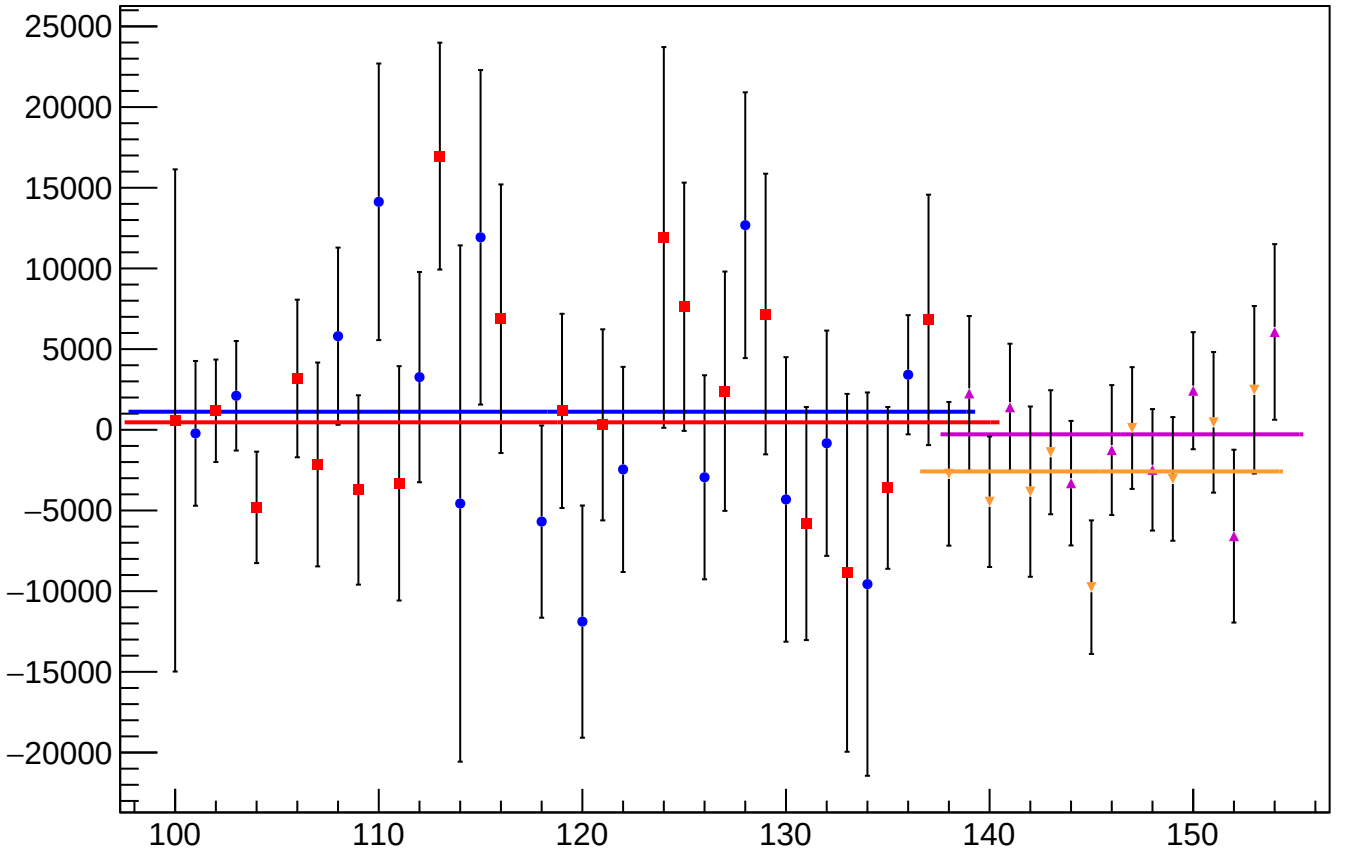
Left: 1871.741+/-0.353 χ^2/NDF: 31514.2/16

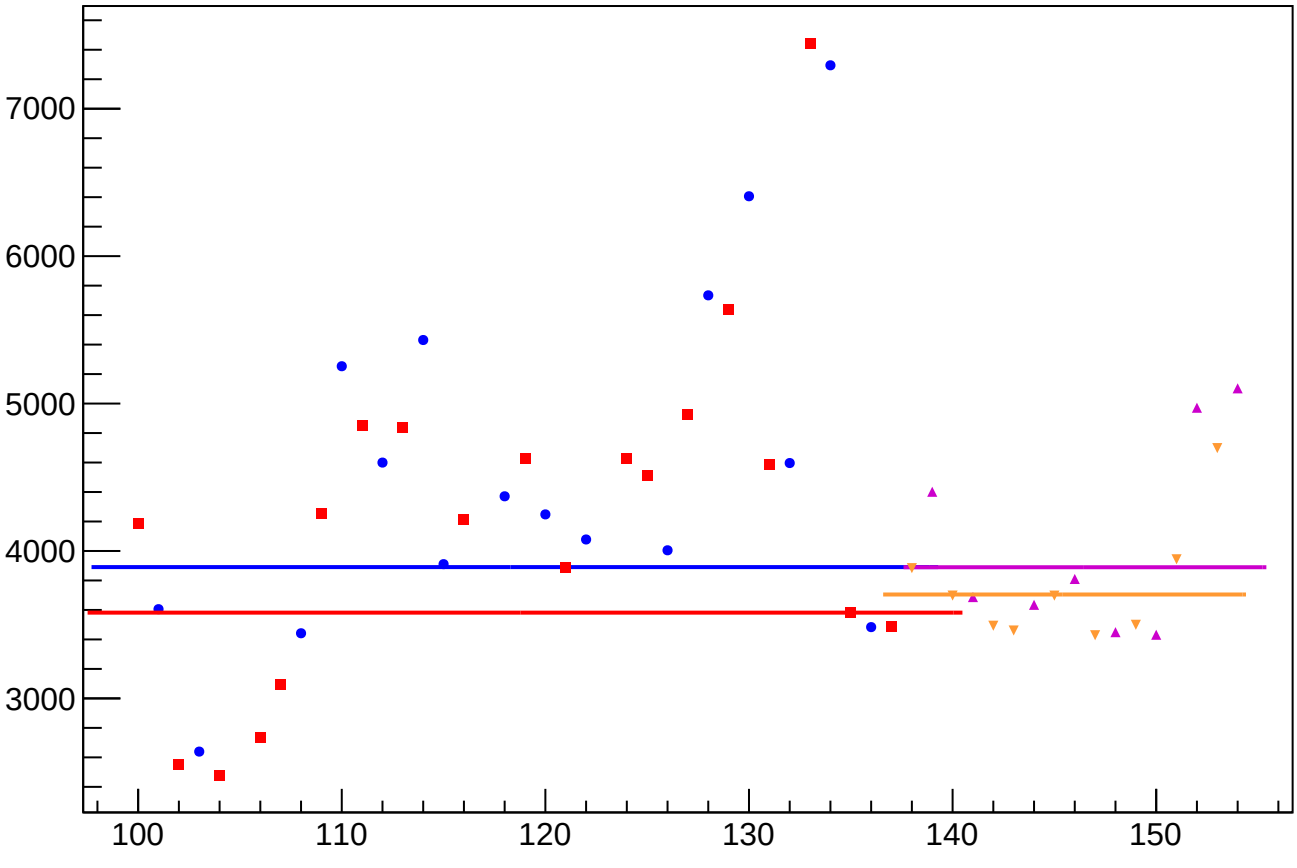
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1887.191+/-0.358 χ^2/NDF:713636.0/23

Out: 1887.369+/-0.354 χ^2/NDF:238412.9/27

All: 1887.281+/-0.252 χ^2/NDF: 952049.1/51


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -2580.577+/-1411.682 χ²/NDF:5.3/8
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -281.069+/-1487.280 χ²/NDF:4.8/7
Left: -1490.748+/-1023.893 χ²/NDF: 11.4/16
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 414.674+/-1055.320 χ²/NDF:18.7/23
Out: -1013.397+/-983.444 χ²/NDF:22.7/27
All: -349.645+/-719.469 χ²/NDF: 42.4/51



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: 3889.741+/-1.052 χ^2/NDF:277863.3/7

Left: 3792.467+/-0.724 χ^2/NDF: 404347.5/16

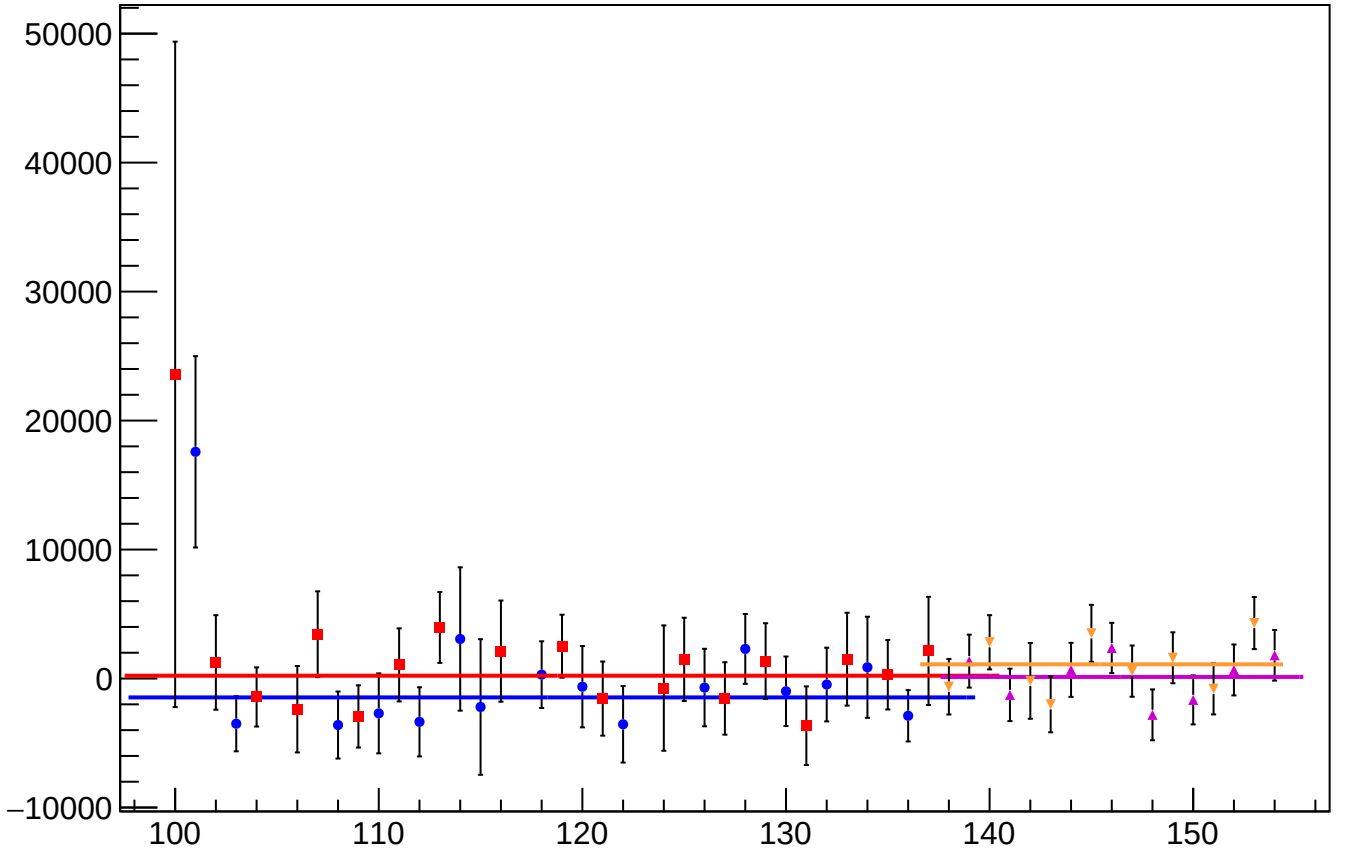
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3890.221+/-0.746 χ^2/NDF:1156281.9/23

Out: 3641.499+/-0.695 χ^2/NDF:1339897.3/27

All: 3757.102+/-0.509 χ^2/NDF: 2555638.1/51

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1100.507+/-709.640 χ^2/NDF:8.3/8

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: 122.786+/-703.660 χ^2/NDF:6.1/7

Left: 607.509+/-499.663 χ^2/NDF: 15.4/16

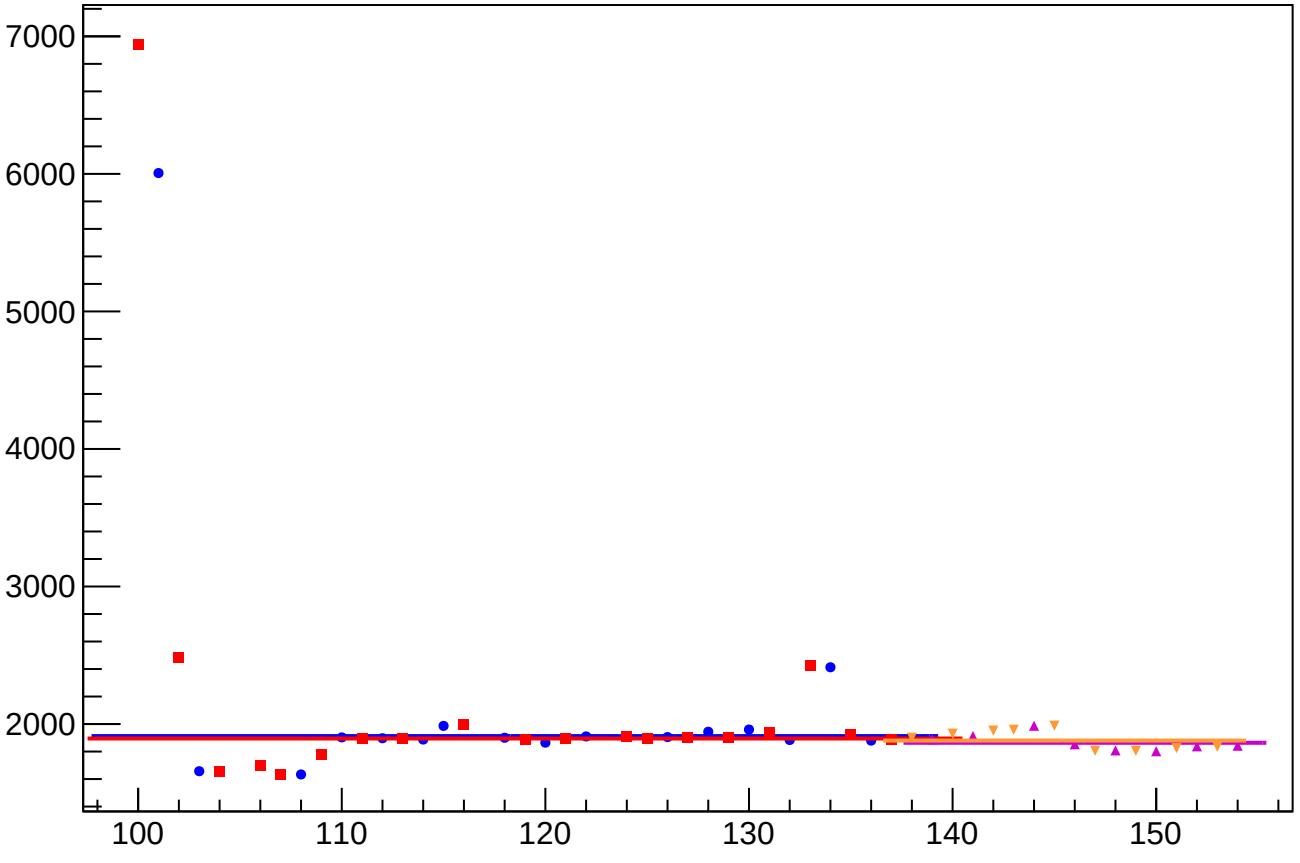
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -642.685+/-506.041 χ^2/NDF:22.1/23

Out: 659.624+/-501.512 χ^2/NDF:19.9/27

All: 14.323+/-356.213 χ^2/NDF: 45.3/51

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



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: 1863.679+/-0.498 χ^2/NDF:12790.4/7

Left: 1871.742+/-0.353 χ^2/NDF: 31514.3/16

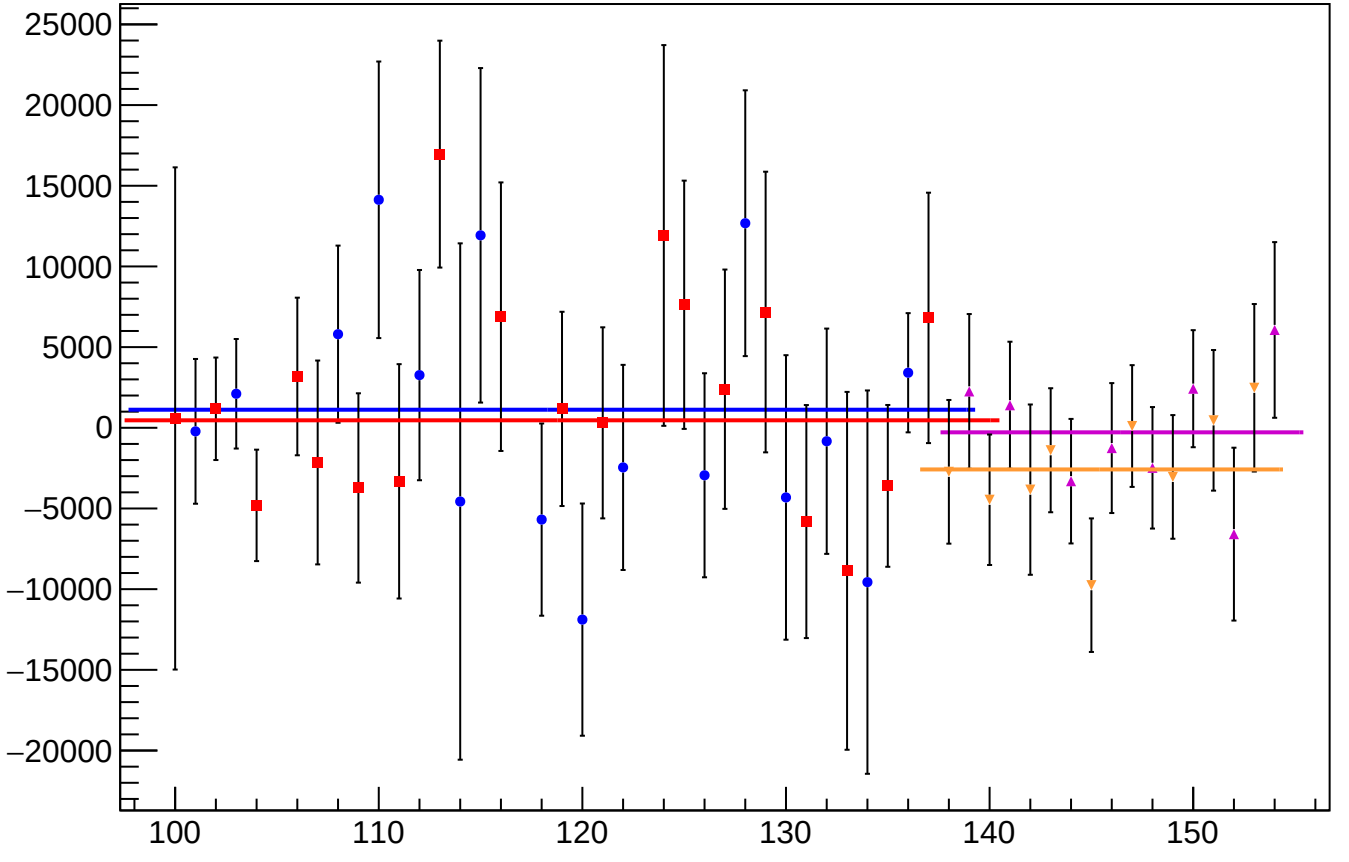
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1887.192+/-0.358 χ^2/NDF:713635.8/23

Out: 1887.370+/-0.354 χ^2/NDF:238412.9/27

All: 1887.281+/-0.252 χ^2/NDF: 952048.8/51

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: -281.066+/-1487.281 χ^2/NDF:4.8/7

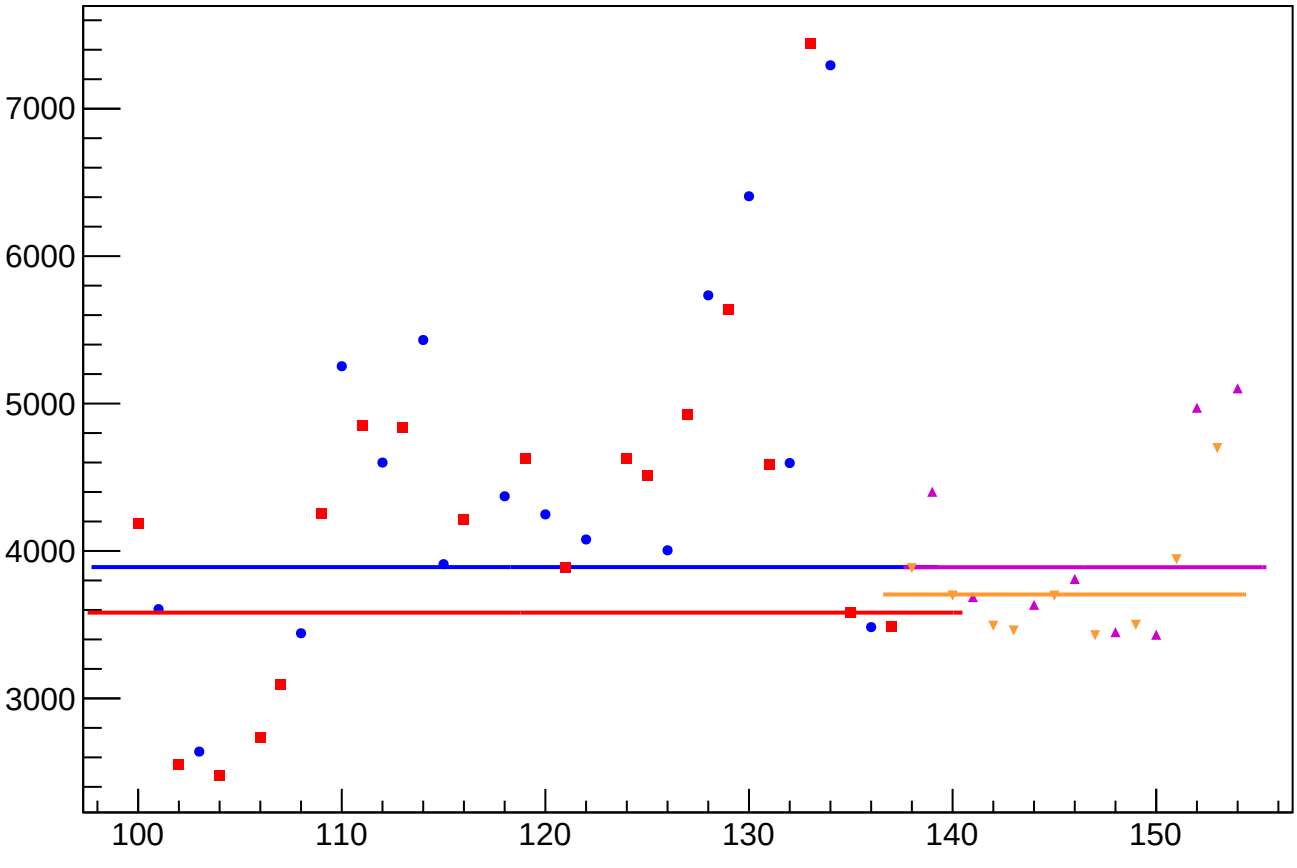
Left: -1490.746+/-1023.894 χ^2/NDF: 11.4/16

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 414.670+/-1055.320 χ^2/NDF:18.7/23

Out: -1013.393+/-983.444 χ^2/NDF:22.7/27

All: -349.645+/-719.469 χ^2/NDF: 42.4/51



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: 3889.746+/-1.052 χ^2/NDF:277862.4/7

Left: 3792.472+/-0.724 χ^2/NDF: 404346.0/16

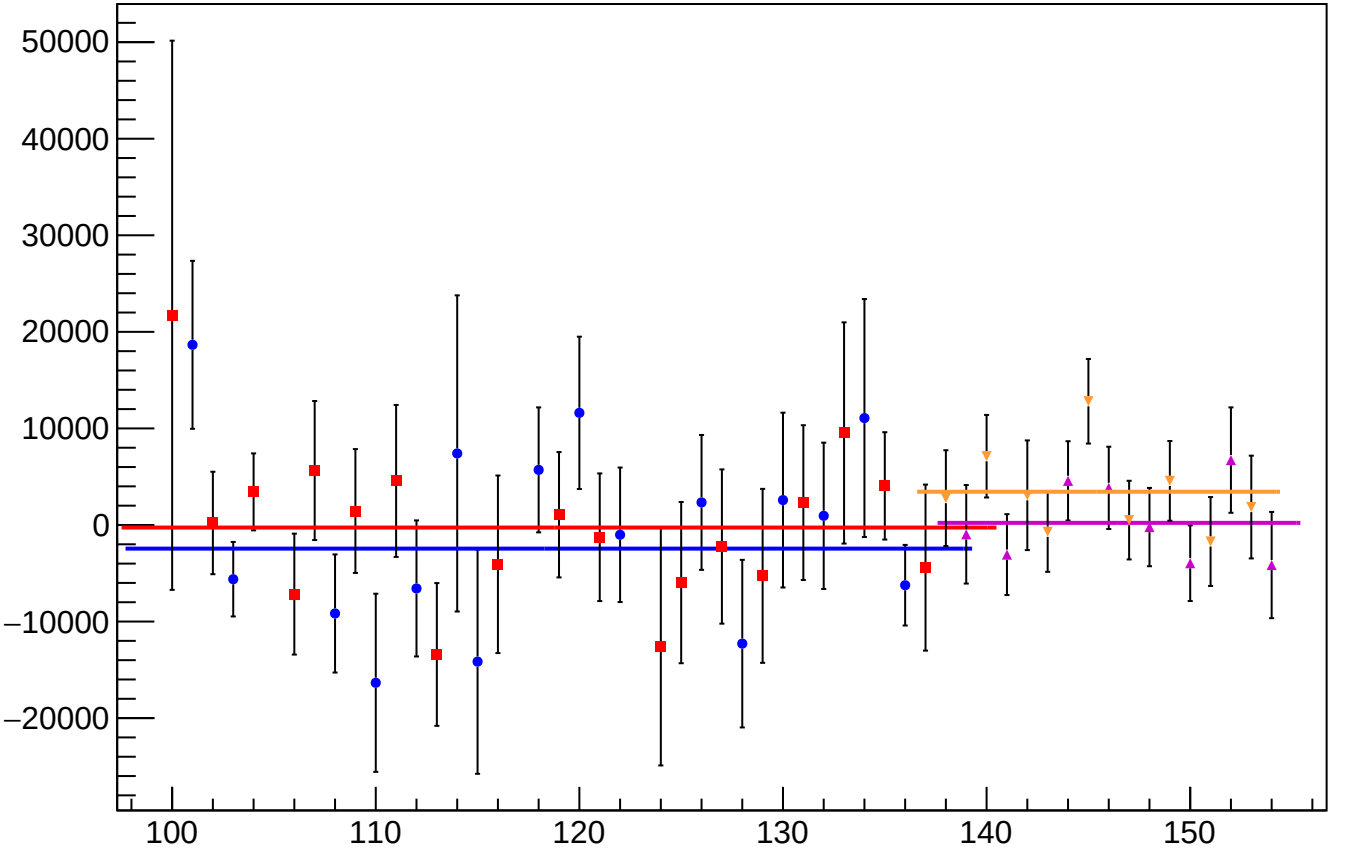
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3890.222+/-0.746 χ^2/NDF:1156272.0/23

Out: 3641.499+/-0.695 χ^2/NDF:1339889.1/27

All: 3757.103+/-0.509 χ^2/NDF: 2555620.3/51

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: 219.970+/-1576.340 χ^2/NDF:5.7/7

Left: 1899.499+/-1090.699 χ^2/NDF: 16.2/16

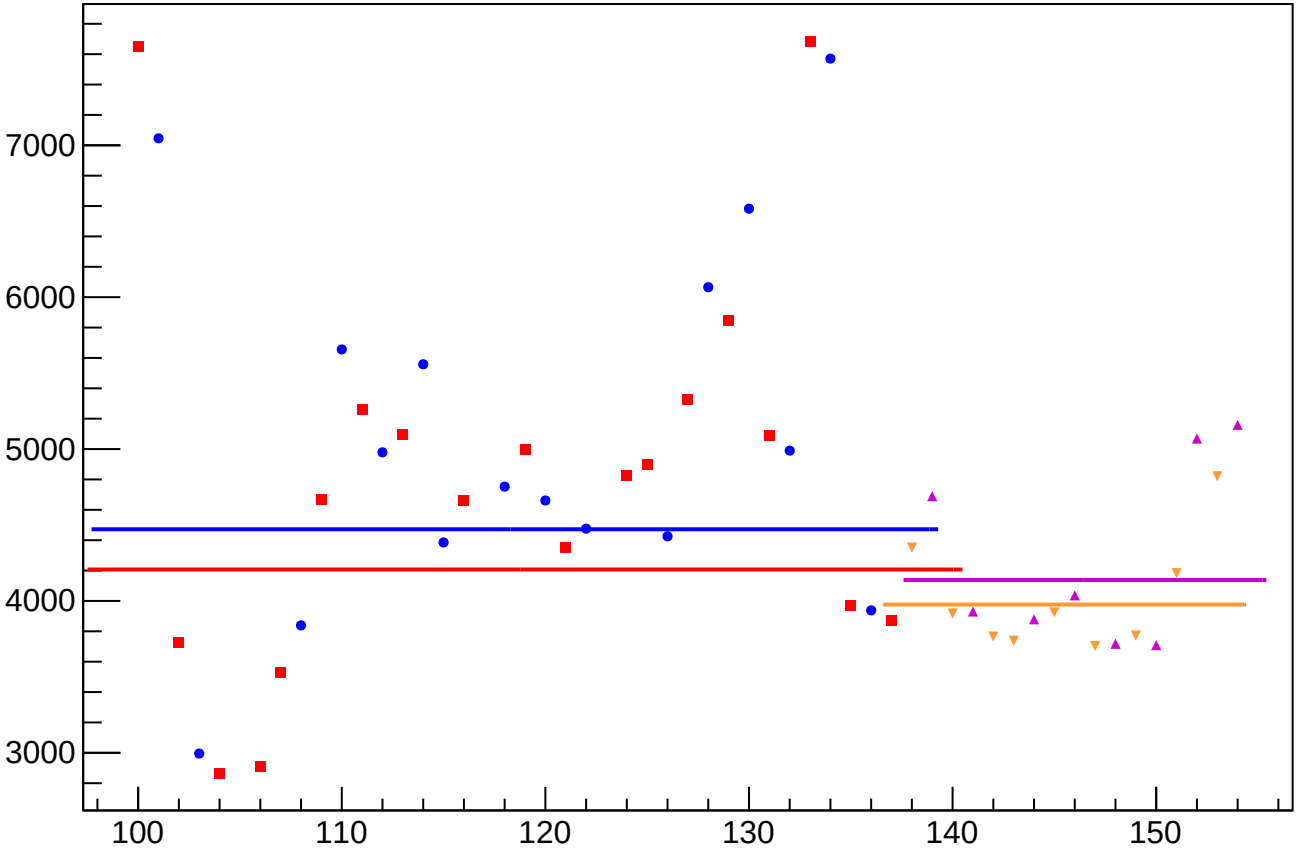
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -998.317+/-1162.021 χ^2/NDF:27.9/23

Out: 1720.312+/-1105.668 χ^2/NDF:21.8/27

All: 428.515+/-801.007 χ^2/NDF: 52.5/51

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: 4138.029+/-1.115 χ^2/NDF:210000.9/7

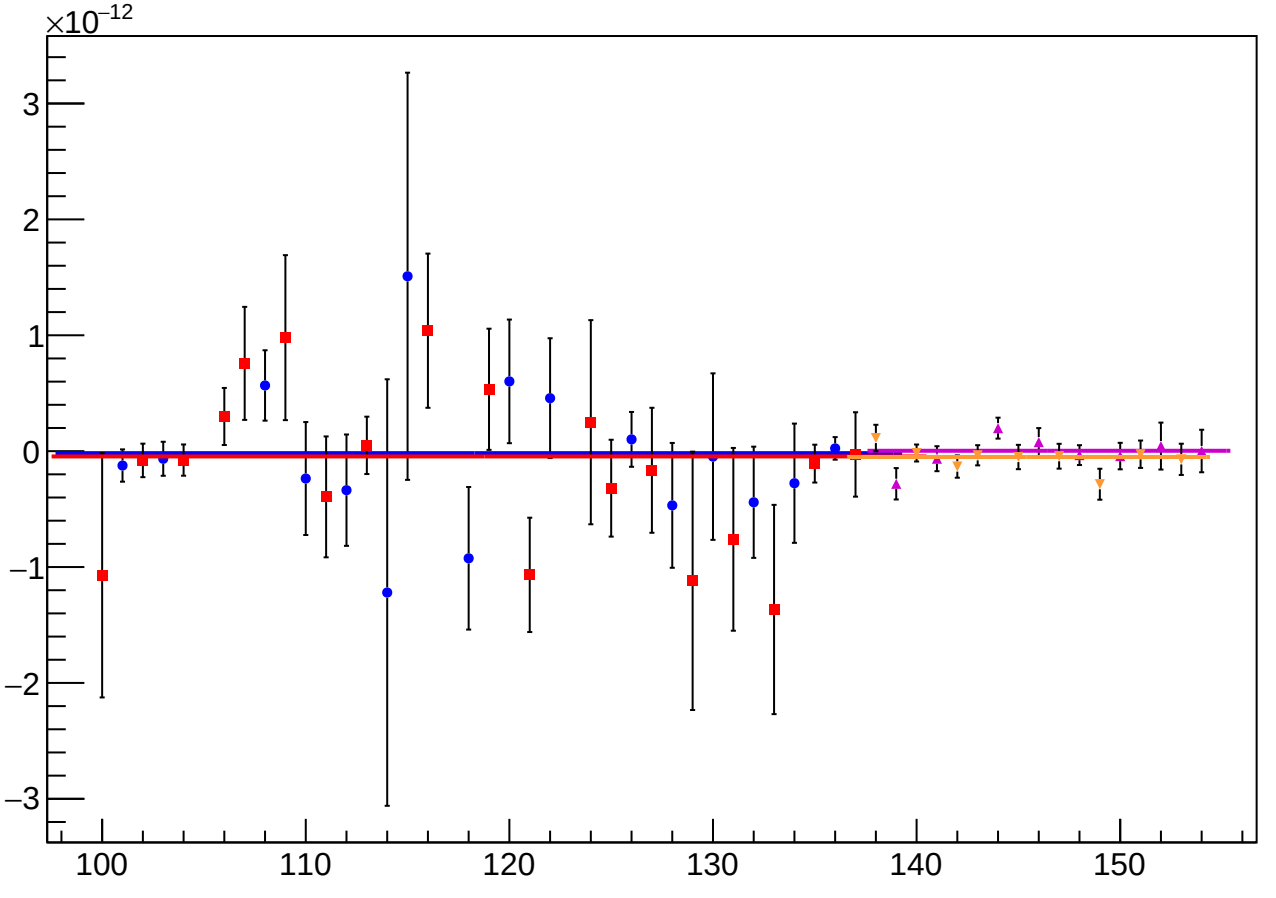
Left: 4053.756+/-0.771 χ^2/NDF: 310722.3/16

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4290.473+/-0.822 χ^2/NDF:1142645.4/23

Out: 4084.350+/-0.779 χ^2/NDF:958099.7/27

All: 4181.900+/-0.565 χ^2/NDF: 2133892.6/51



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:10.3/7

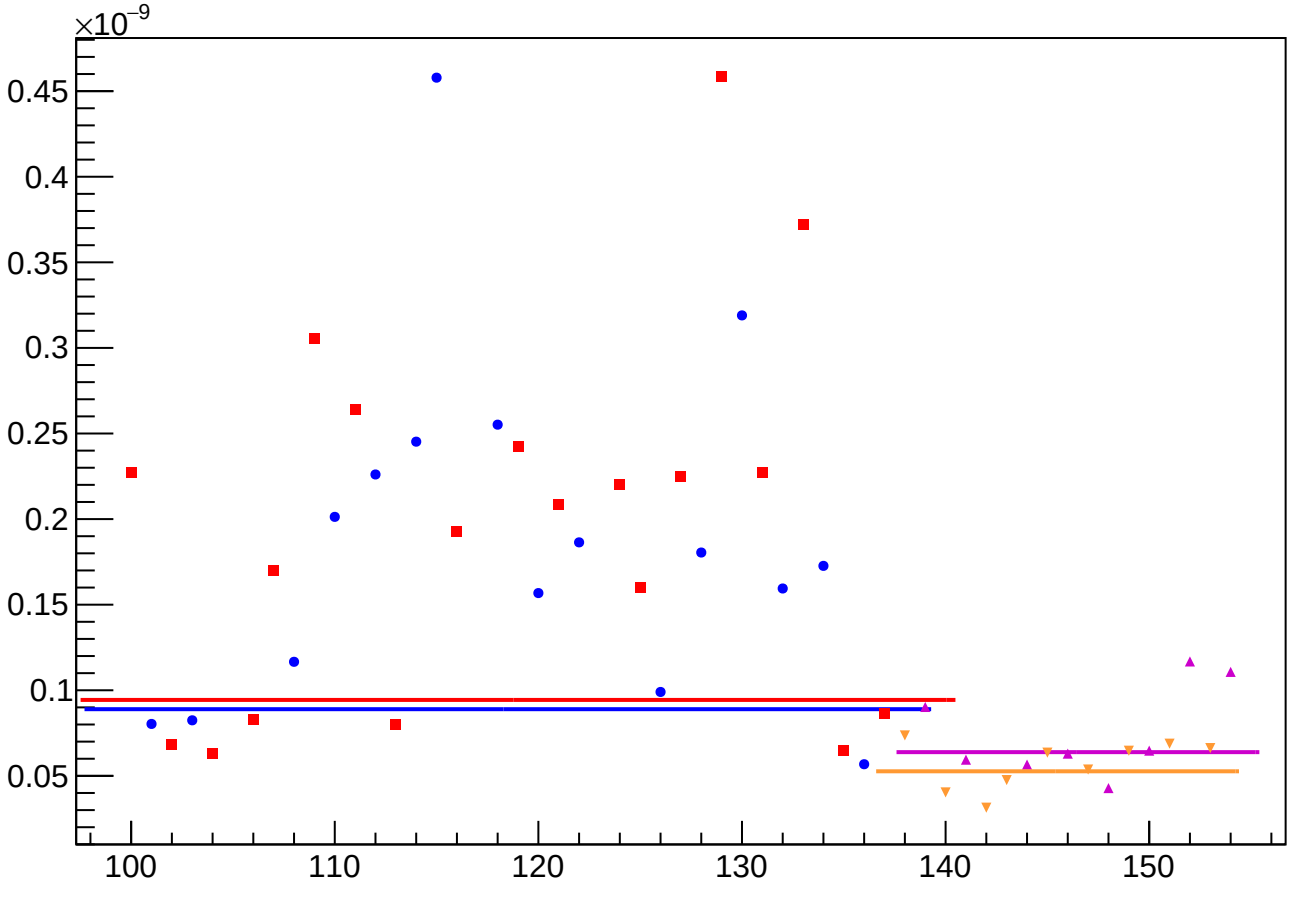
Left: -0.000+/-0.000 χ^2/NDF: 17.5/16

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:23.1/23

Out: -0.000+/-0.000 χ^2/NDF:27.4/27

All: -0.000+/-0.000 χ^2/NDF: 51.6/51



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:480259.1/7

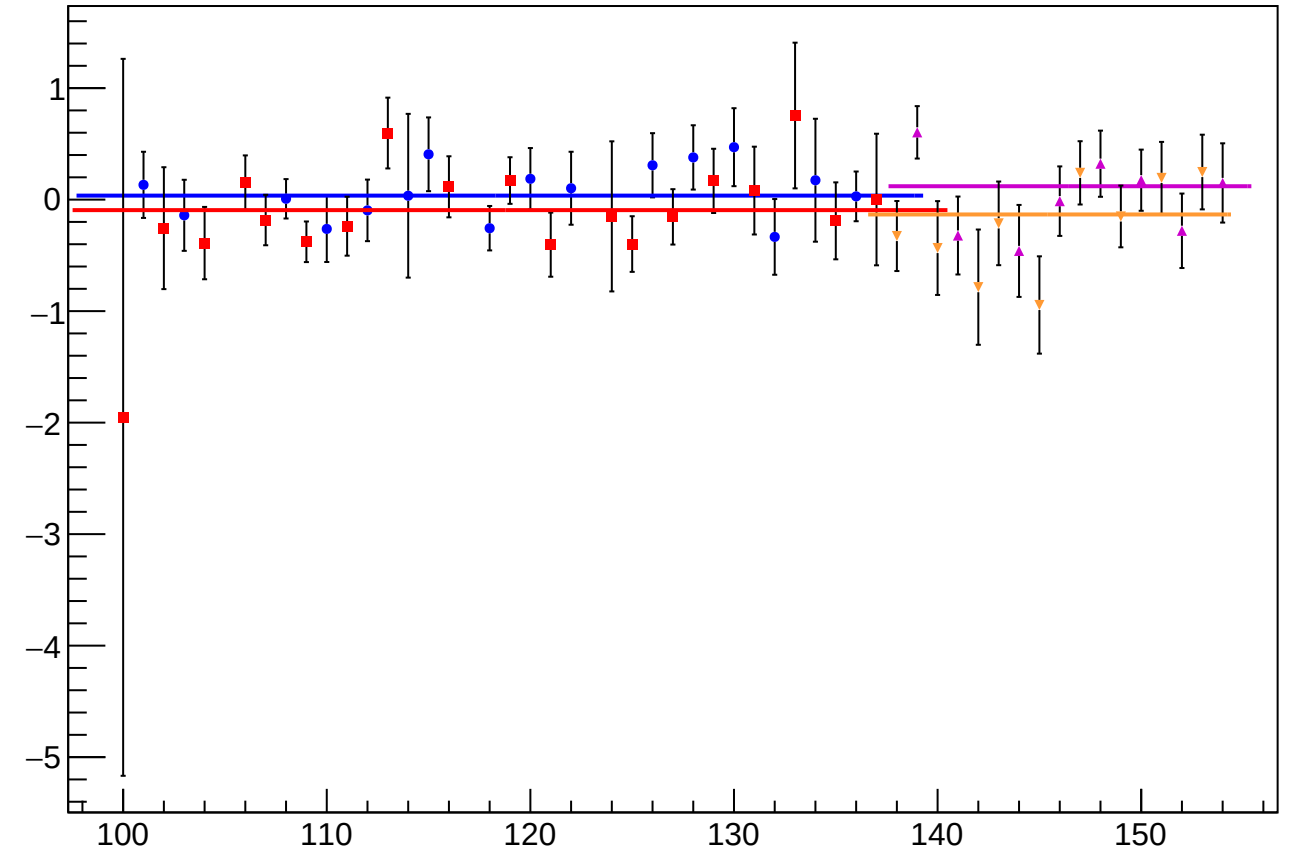
Left: 0.000+/-0.000 χ^2/NDF: 892925.2/16

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1941676.8/23

Out: 0.000+/-0.000 χ^2/NDF:2619162.0/27

All: 0.000+/-0.000 χ^2/NDF: 4667735.4/51



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: 0.120+/-0.109 χ^2/NDF:9.9/7

Left: -0.000+/-0.079 χ^2/NDF: 22.5/16

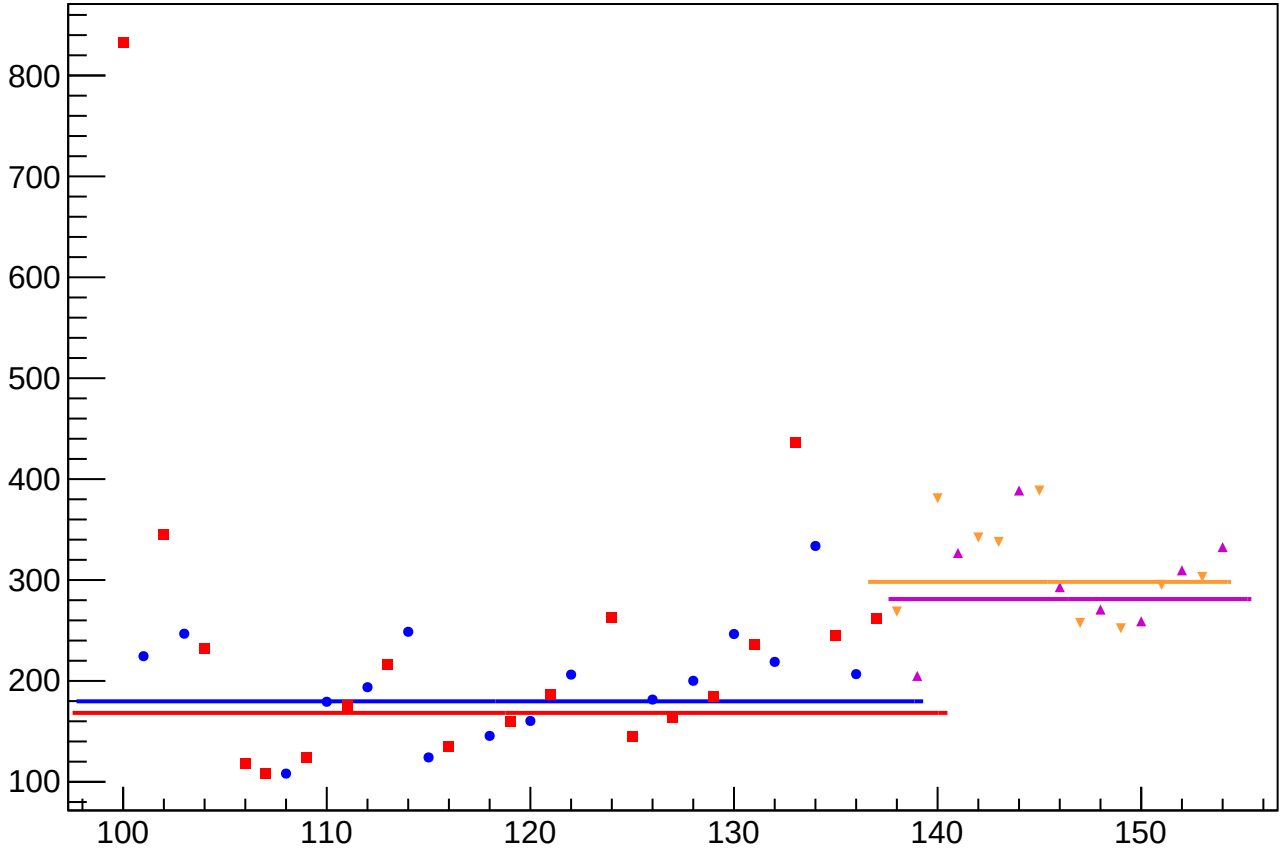
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.059 χ^2/NDF:20.9/23

Out: -0.104+/-0.058 χ^2/NDF:27.8/27

All: -0.023+/-0.042 χ^2/NDF: 52.6/51

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: 281.171+/-0.077 χ^2/NDF:454802.6/7

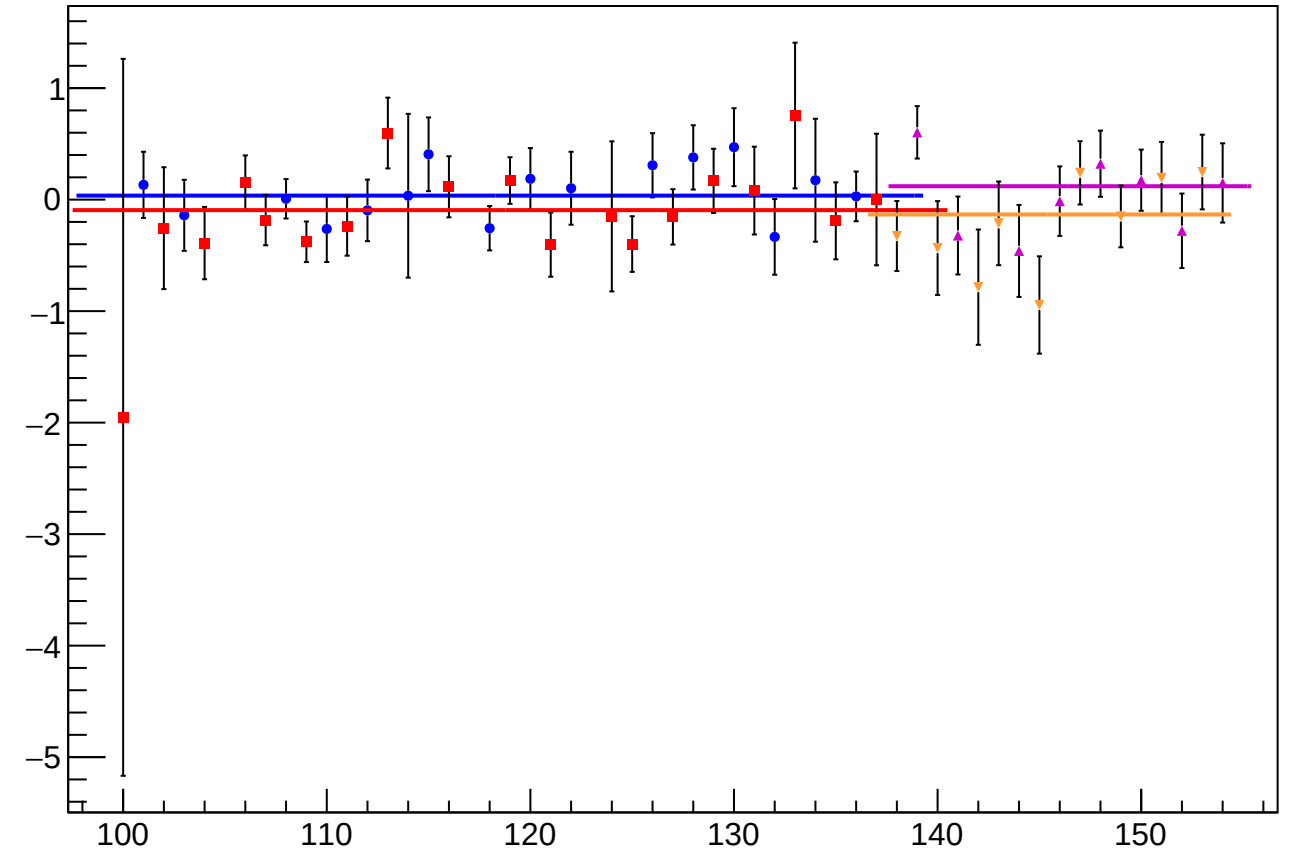
Left: 289.232+/-0.056 χ^2/NDF: 792492.3/16

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 209.702+/-0.042 χ^2/NDF:2590537.1/23

Out: 201.776+/-0.041 χ^2/NDF:3622235.5/27

All: 205.672+/-0.029 χ^2/NDF: 6230956.8/51



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: 0.120+/-0.109 χ^2/NDF:9.9/7

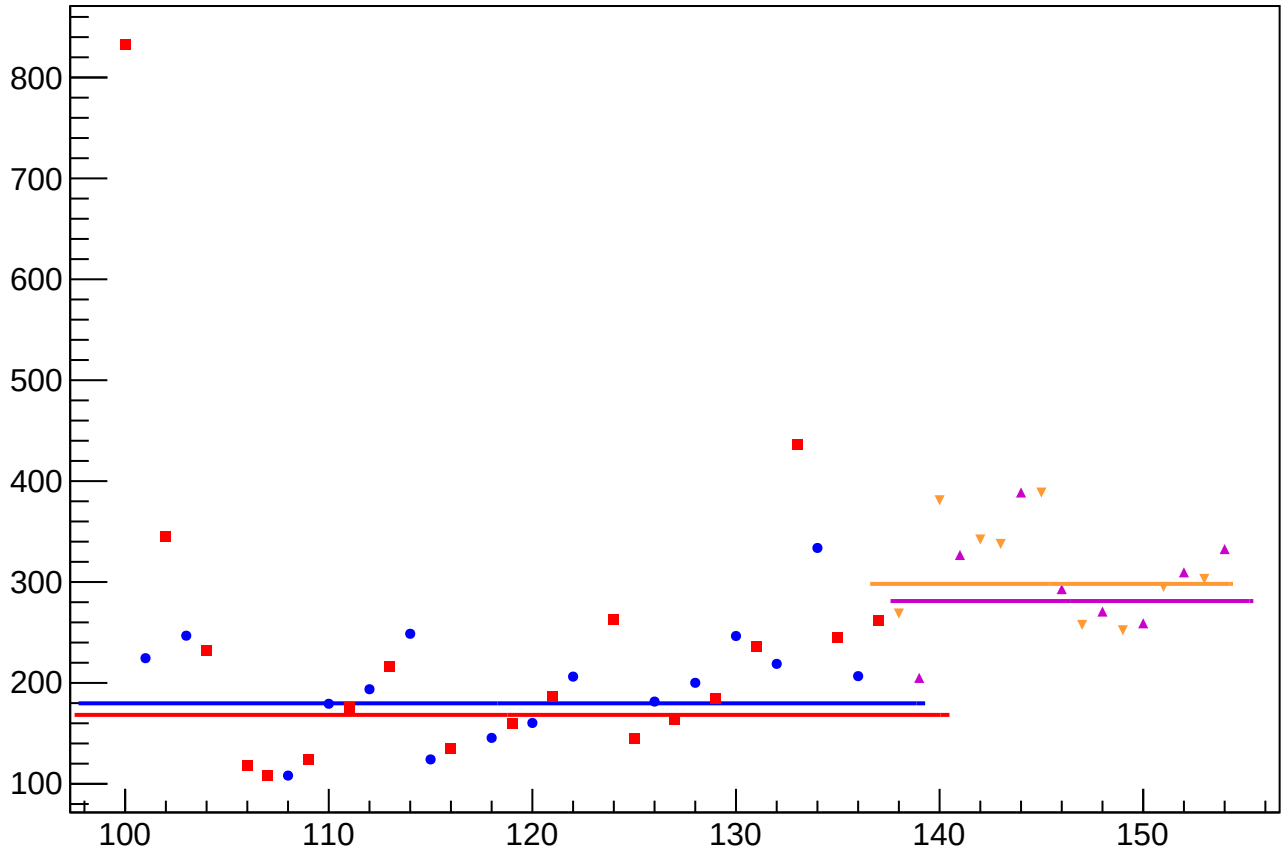
Left: -0.000+/-0.079 χ^2/NDF: 22.5/16

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.059 χ^2/NDF:20.9/23

Out: -0.104+/-0.058 χ^2/NDF:27.8/27

All: -0.023+/-0.042 χ^2/NDF: 52.6/51



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: 281.171+/-0.077 χ^2/NDF:454802.6/7

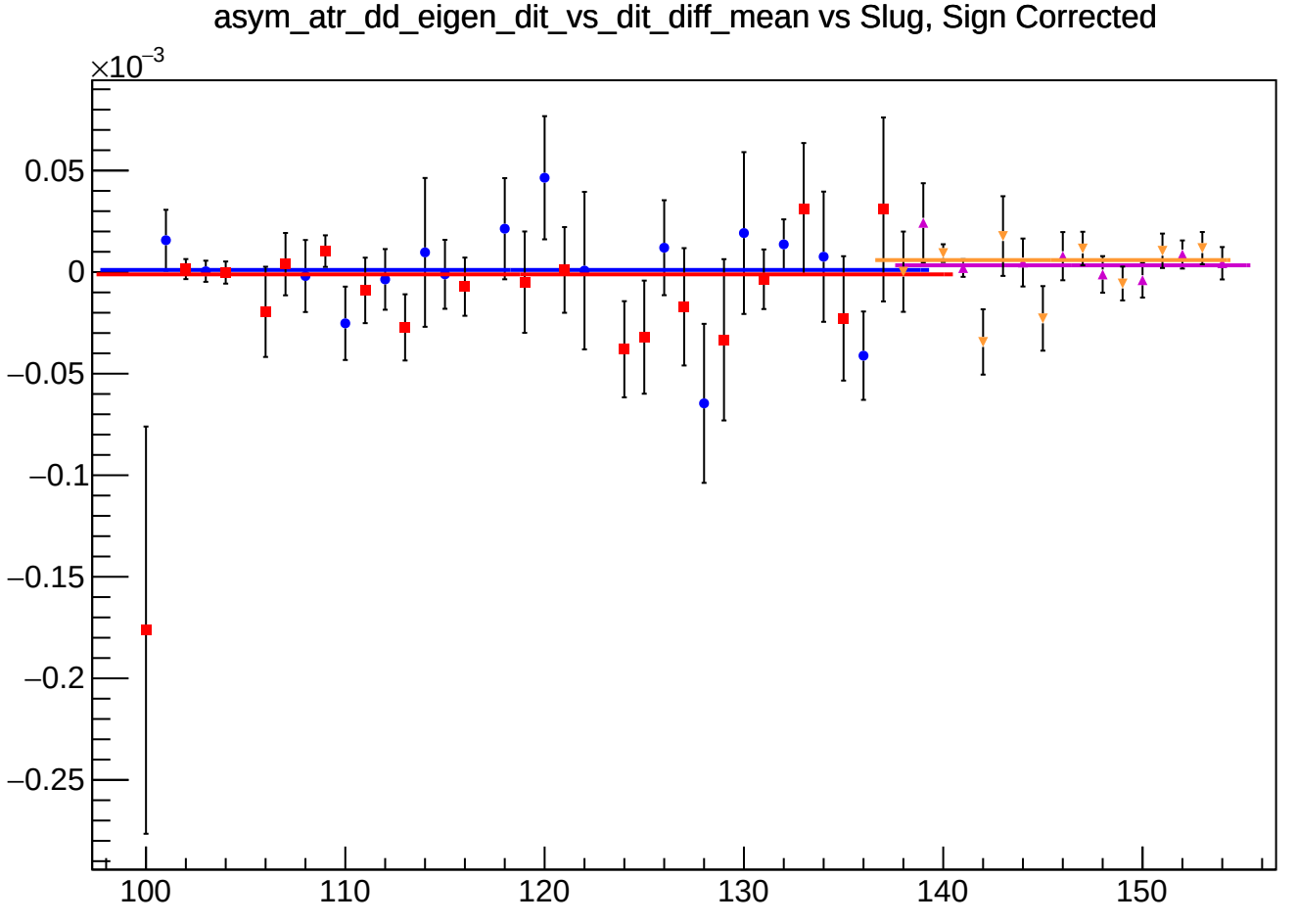
Left: 289.232+/-0.056 χ^2/NDF: 792492.3/16

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 209.702+/-0.042 χ^2/NDF:2590537.1/23

Out: 201.776+/-0.041 χ^2/NDF:3622235.5/27

All: 205.672+/-0.029 χ^2/NDF: 6230956.8/51



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:3.0/7

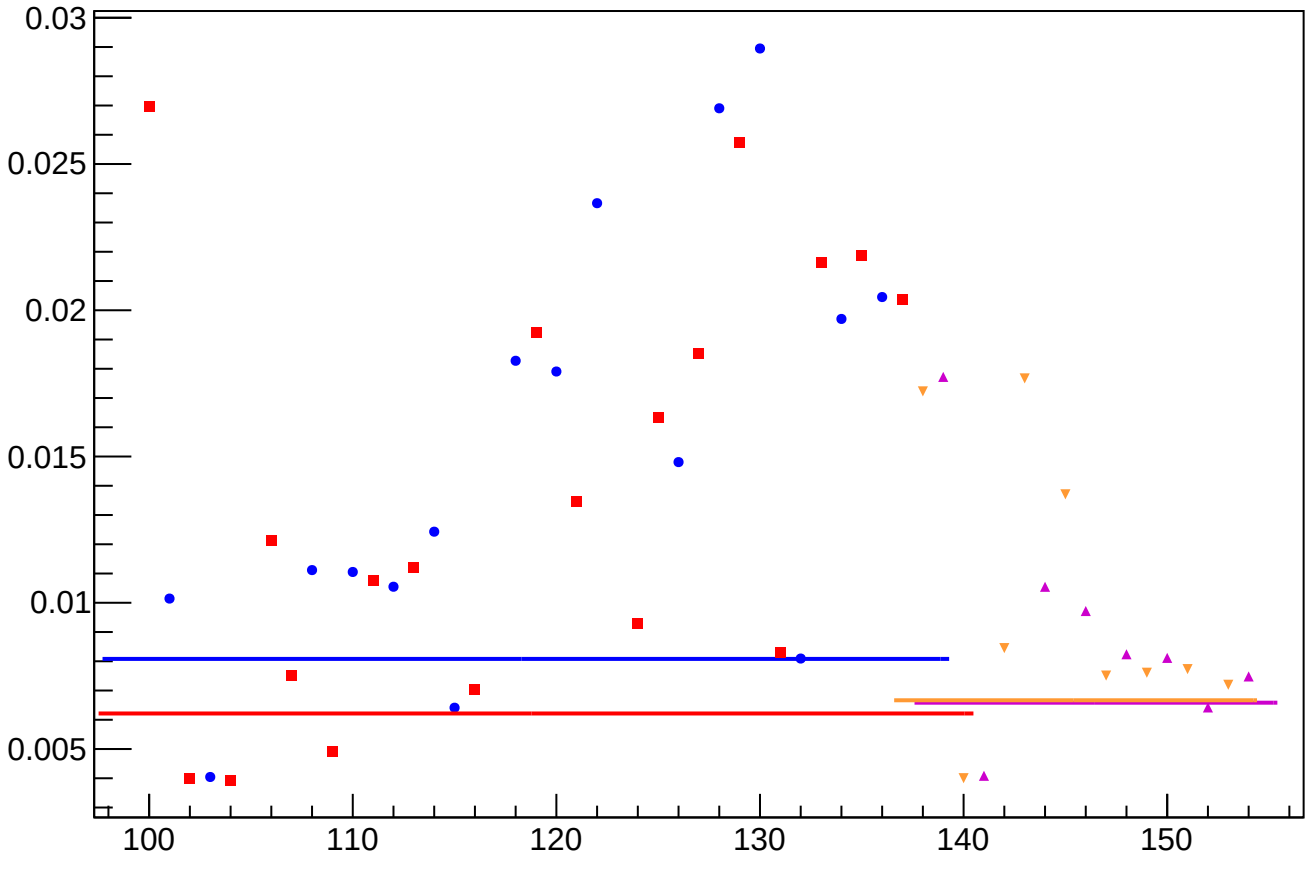
Left: 0.000+/-0.000 χ^2/NDF: 17.3/16

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:17.5/23

Out: 0.000+/-0.000 χ^2/NDF:32.9/27

All: 0.000+/-0.000 χ^2/NDF: 50.5/51



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: 0.007+/-0.000 χ^2/NDF:1836714.6/7

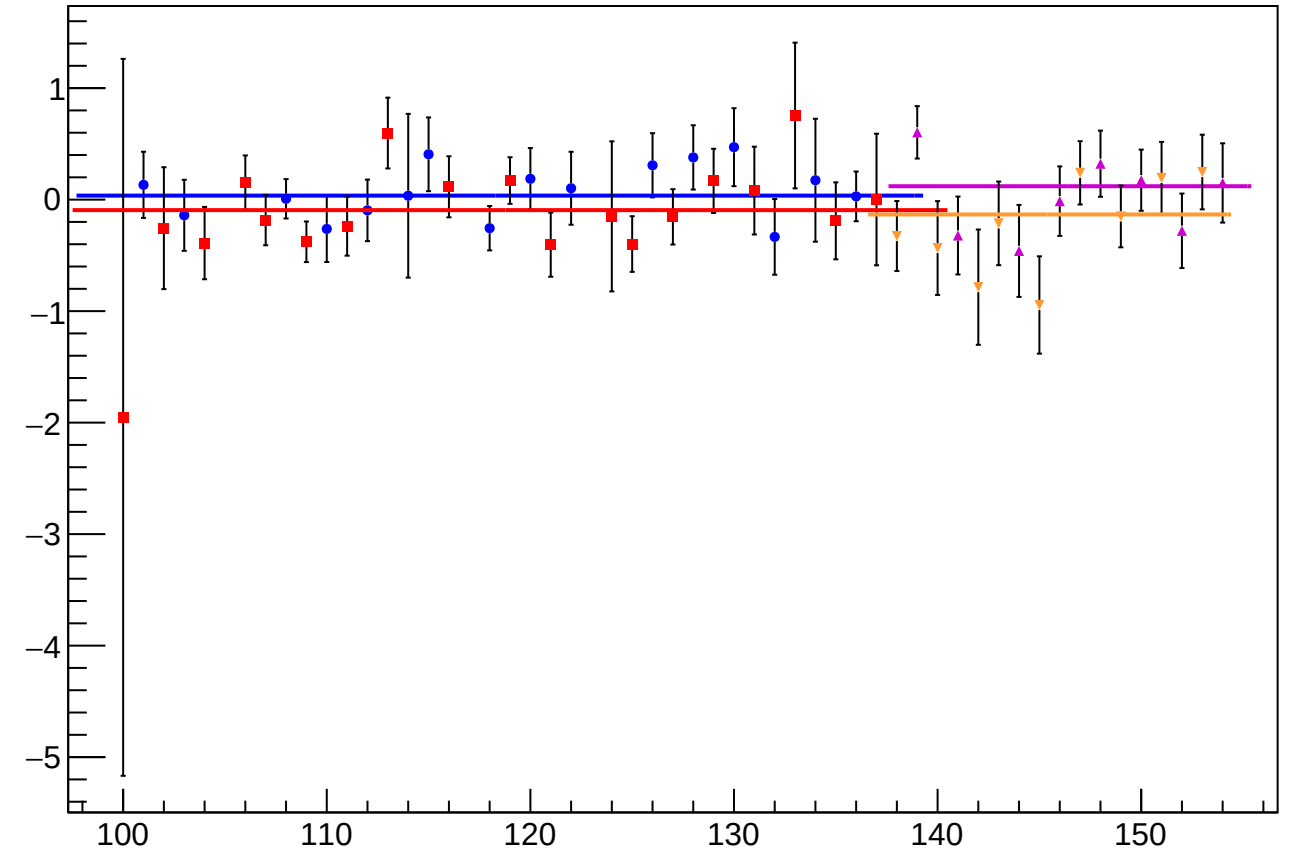
Left: 0.007+/-0.000 χ^2/NDF: 4286553.5/16

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6460090.0/23

Out: 0.006+/-0.000 χ^2/NDF:7035463.2/27

All: 0.007+/-0.000 χ^2/NDF: 13598233.6/51



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: 0.120+/-0.109 χ^2/NDF:9.9/7

Left: -0.000+/-0.079 χ^2/NDF: 22.5/16

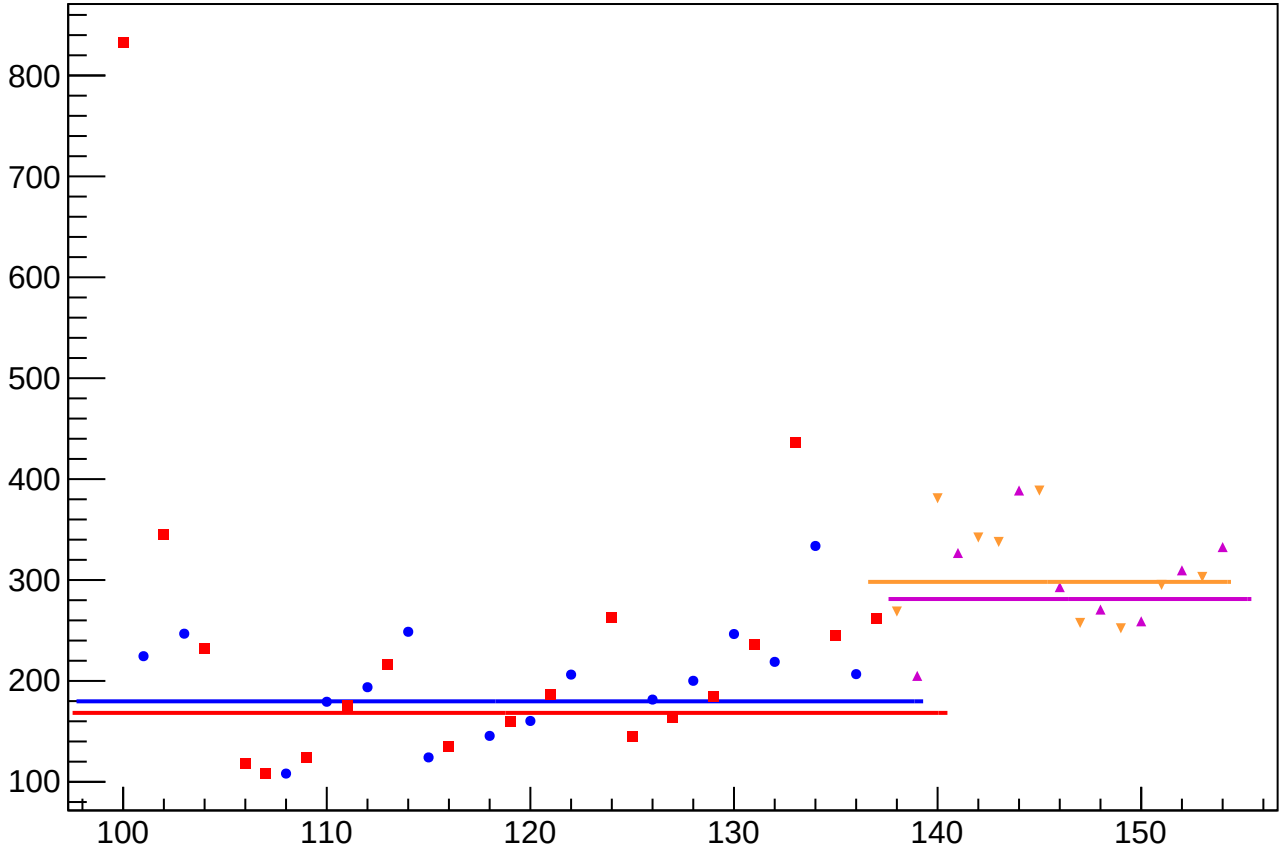
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.059 χ^2/NDF:20.9/23

Out: -0.104+/-0.058 χ^2/NDF:27.8/27

All: -0.023+/-0.042 χ^2/NDF: 52.6/51

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 298.163+/-0.081 χ^2/NDF:314667.5/8

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 281.175+/-0.077 χ^2/NDF:454773.1/7

Left: 289.236+/-0.056 χ^2/NDF: 792446.1/16

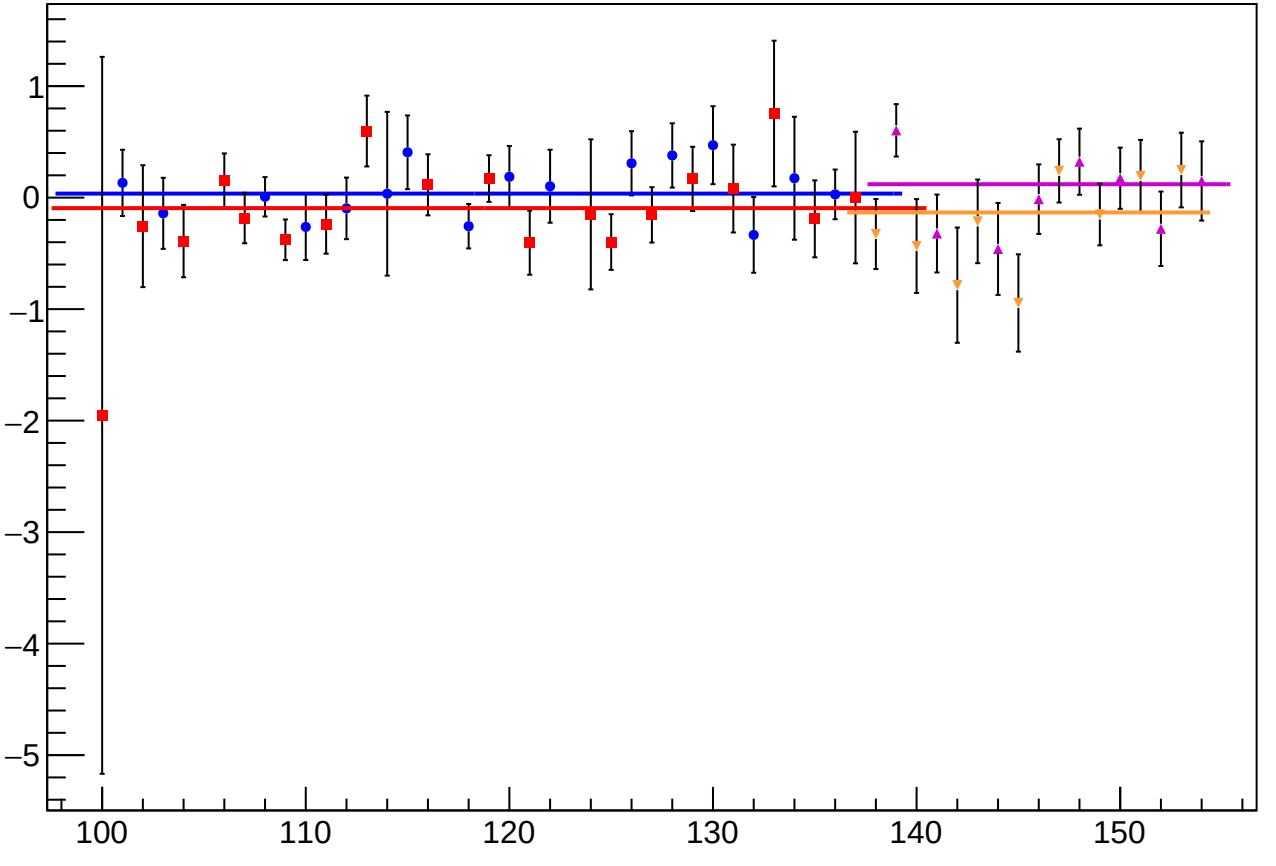
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 209.700+/-0.042 χ^2/NDF:2590693.8/23

Out: 201.777+/-0.041 χ^2/NDF:3622302.5/27

All: 205.672+/-0.029 χ^2/NDF: 6231171.5/51

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.133+/-0.115 χ^2/NDF:10.0/8

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.120+/-0.109 χ^2/NDF:9.9/7

Left: -0.000+/-0.079 χ^2/NDF: 22.5/16

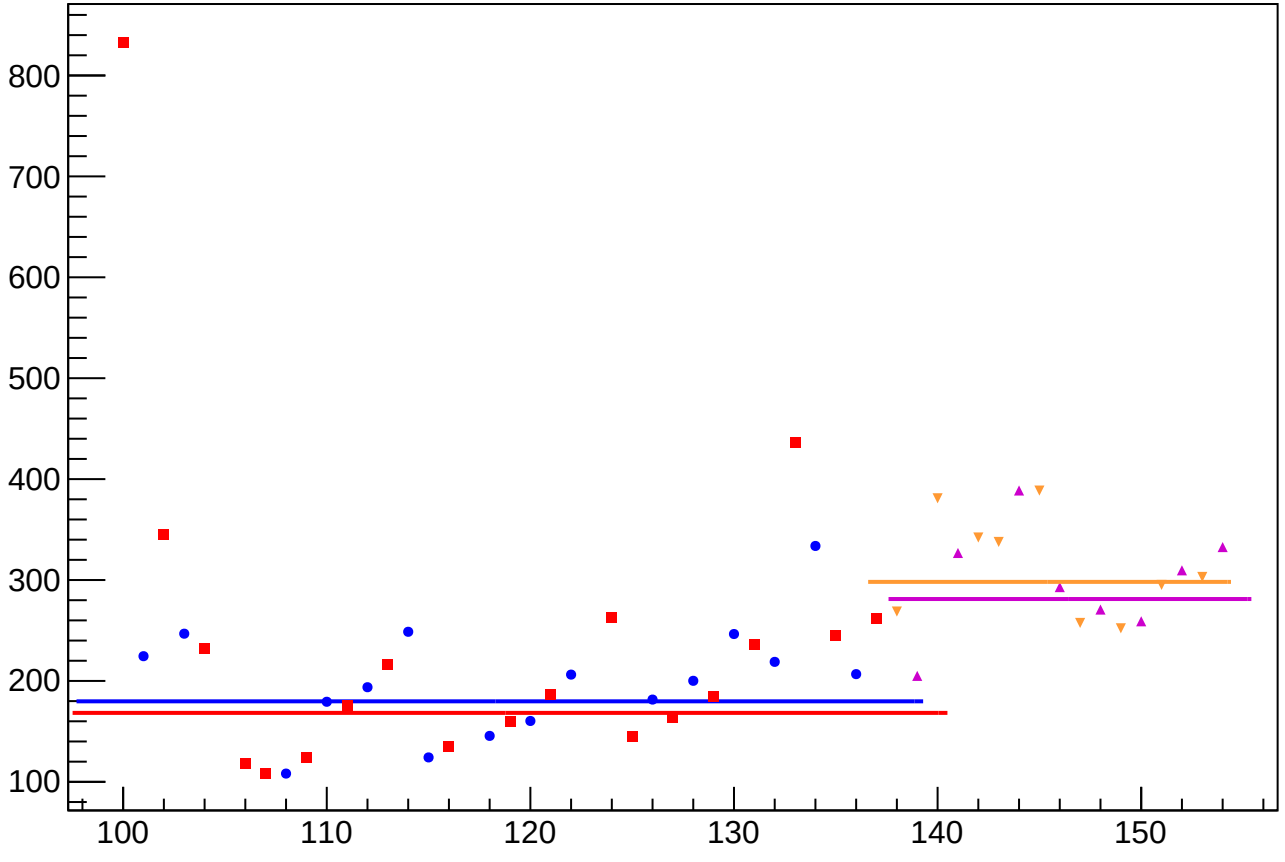
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.059 χ^2/NDF:20.9/23

Out: -0.104+/-0.058 χ^2/NDF:27.8/27

All: -0.023+/-0.042 χ^2/NDF: 52.6/51

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 298.163+/-0.081 χ^2/NDF:314667.5/8

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 281.175+/-0.077 χ^2/NDF:454773.1/7

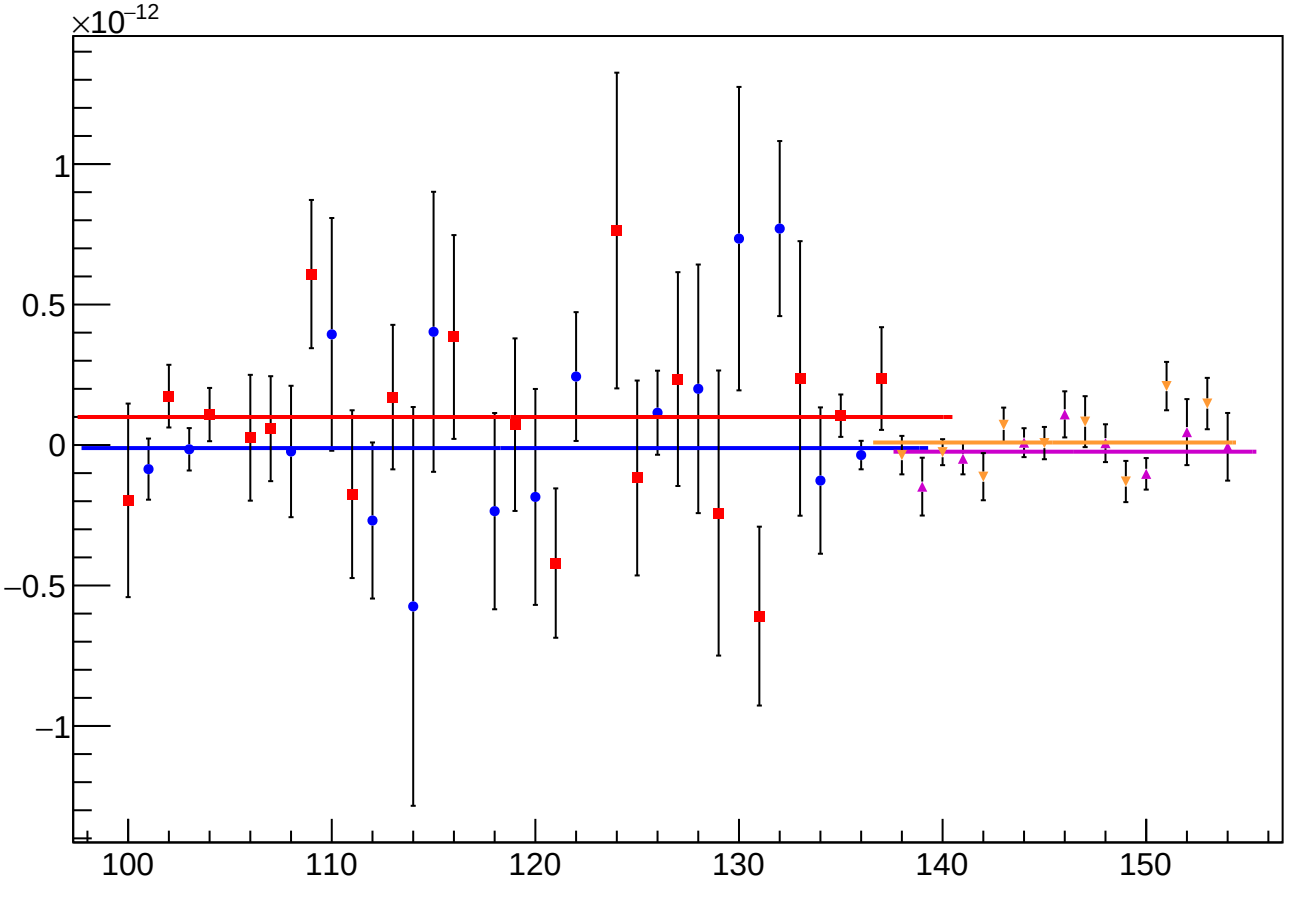
Left: 289.236+/-0.056 χ^2/NDF: 792446.1/16

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 209.700+/-0.042 χ^2/NDF:2590693.8/23

Out: 201.777+/-0.041 χ^2/NDF:3622302.5/27

All: 205.672+/-0.029 χ^2/NDF: 6231171.5/51



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:7.2/7

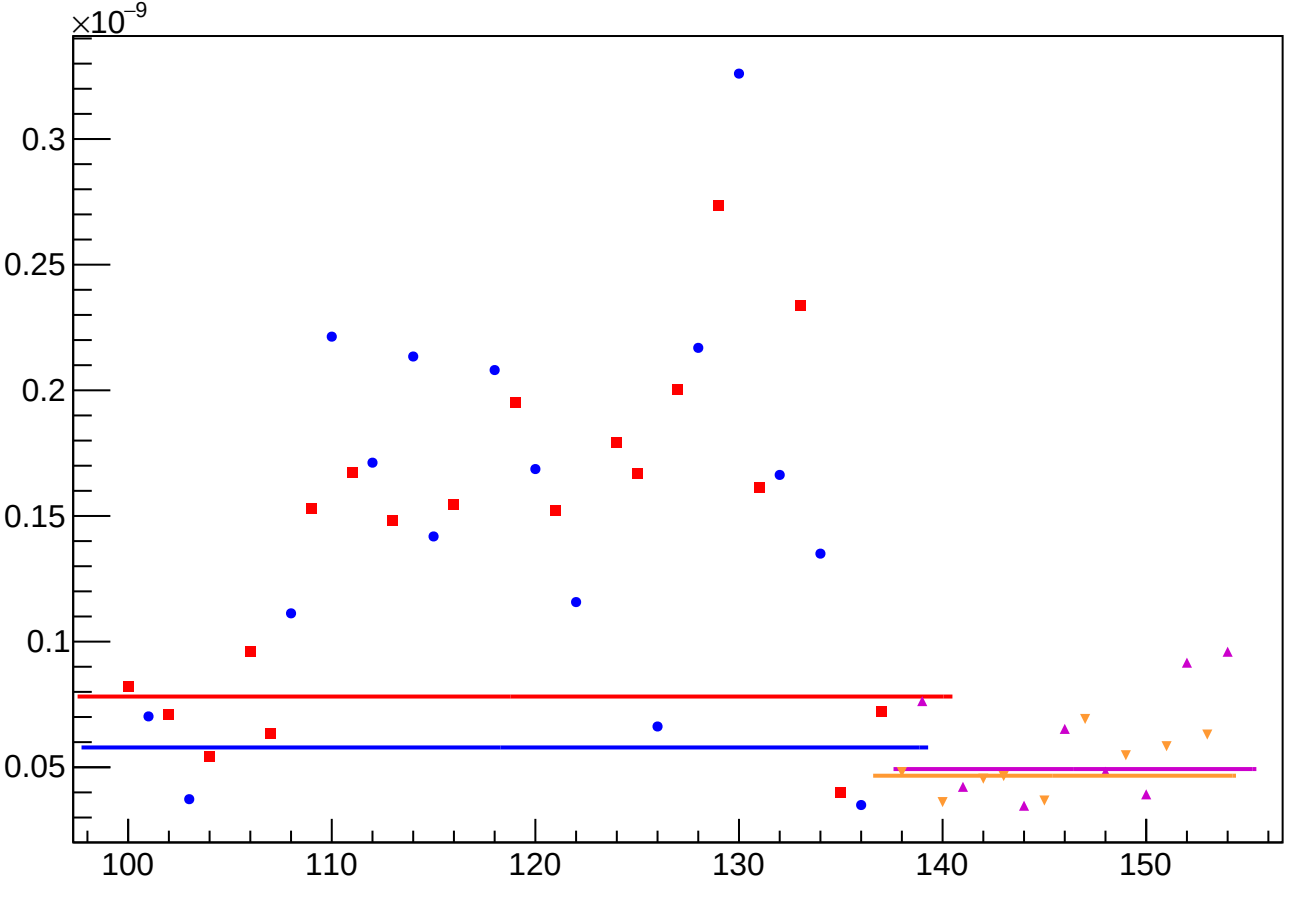
Left: -0.000+/-0.000 χ^2/NDF: 24.3/16

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:38.1/27

All: 0.000+/-0.000 χ^2/NDF: 63.4/51



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:1032110.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1457985.7/16

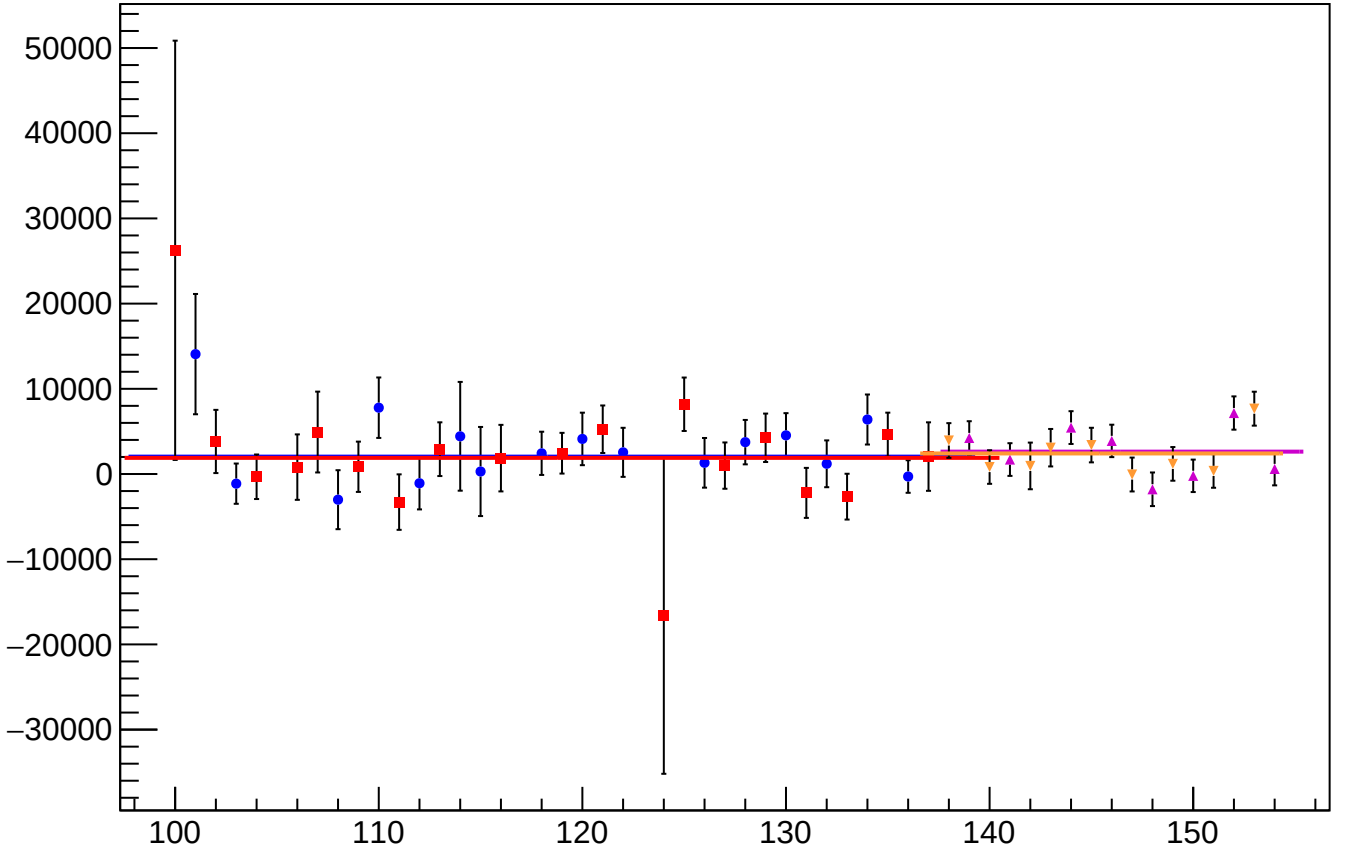
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4434622.6/23

Out: 0.000+/-0.000 χ^2/NDF:4013986.6/27

All: 0.000+/-0.000 χ^2/NDF: 8454616.7/51

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: 2625.886+/-683.373 χ^2/NDF:17.2/7

Left: 2520.389+/-485.636 χ^2/NDF: 29.1/16

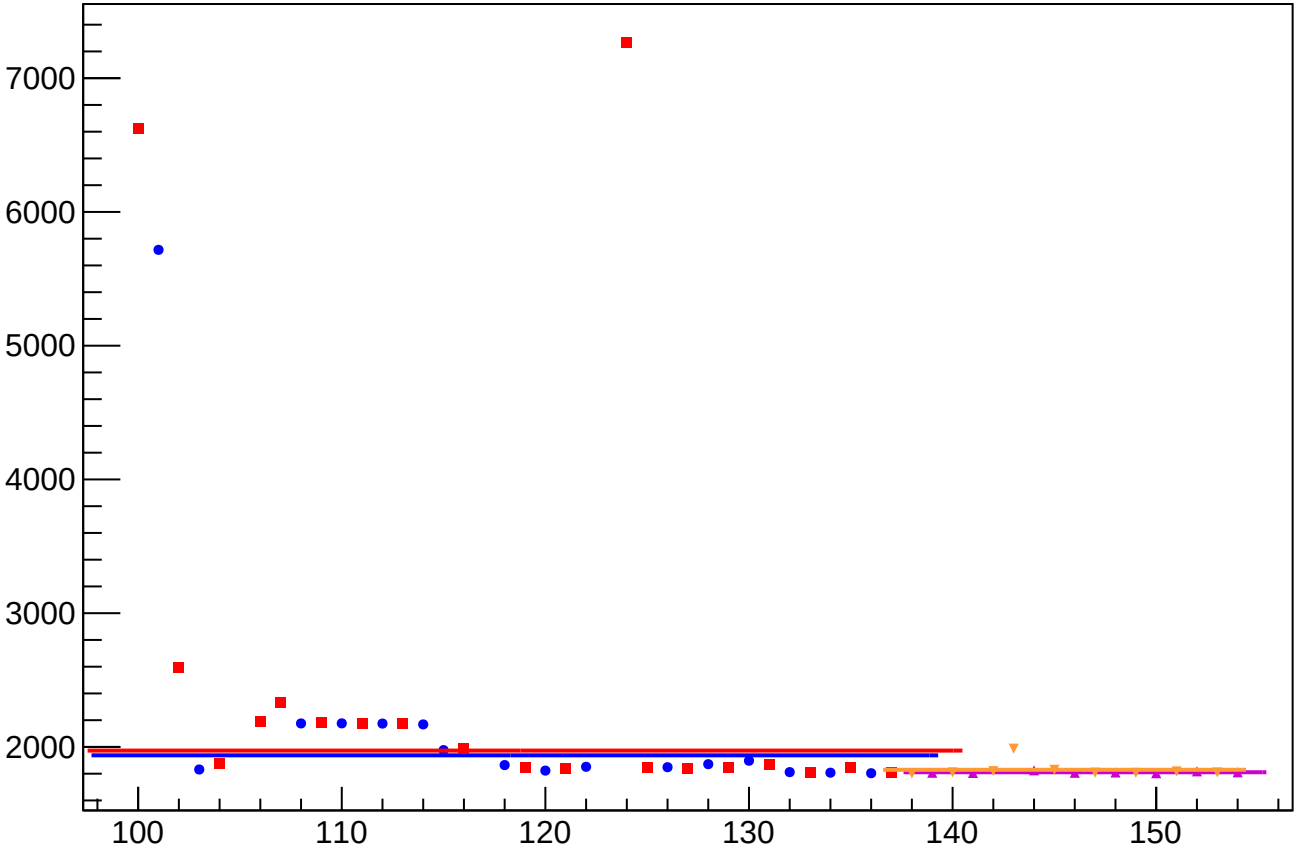
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2354.355+/-500.857 χ^2/NDF:34.0/23

Out: 2170.842+/-503.727 χ^2/NDF:30.6/27

All: 2263.123+/-355.170 χ^2/NDF: 64.7/51

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: 1810.767+/-0.483 χ^2/NDF:194.5/7

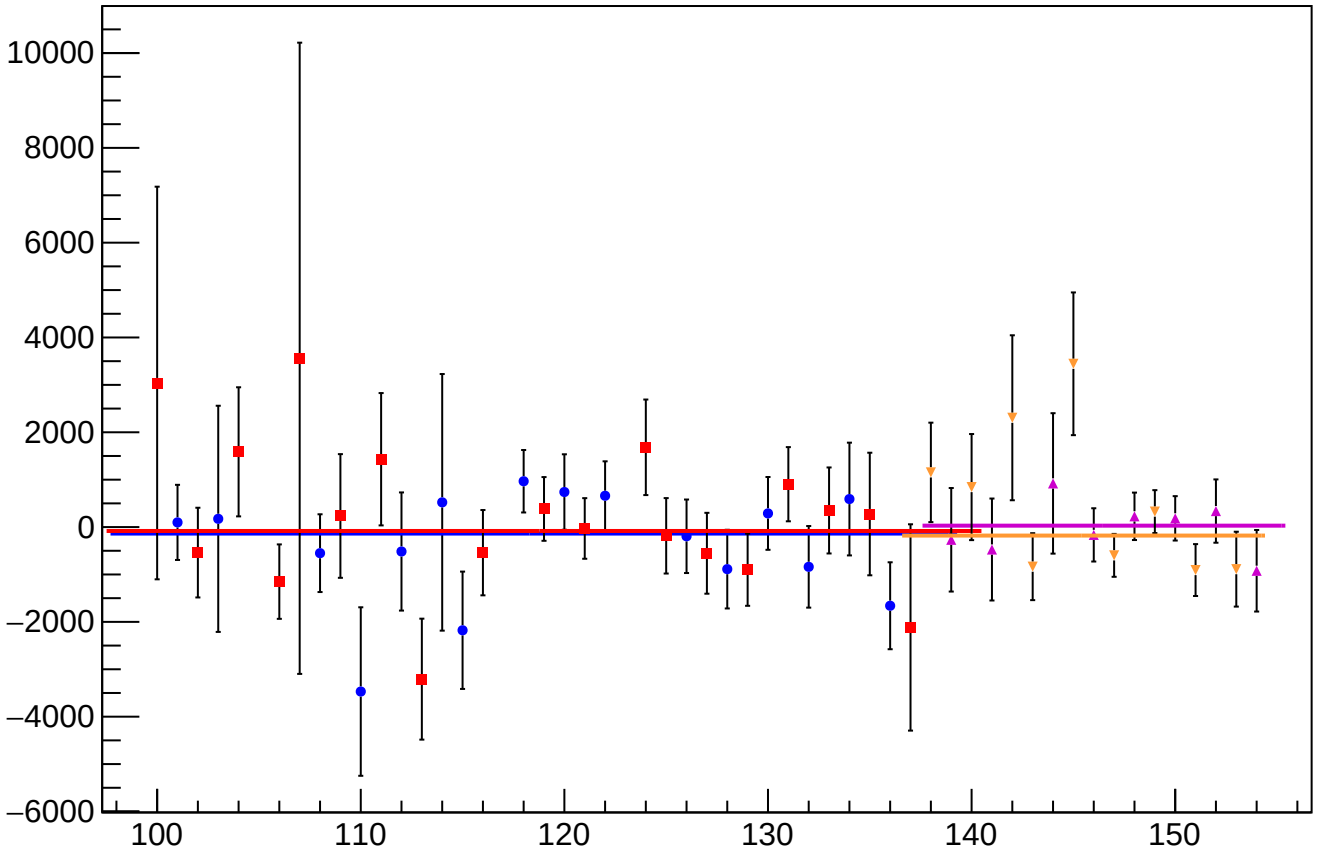
Left: 1819.871+/-0.343 χ^2/NDF: 12589.1/16

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1869.308+/-0.354 χ^2/NDF:669997.8/23

Out: 1896.286+/-0.356 χ^2/NDF:429676.8/27

All: 1882.720+/-0.251 χ^2/NDF: 1102559.3/51



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: 29.898+/-239.216 χ^2/NDF:2.5/7

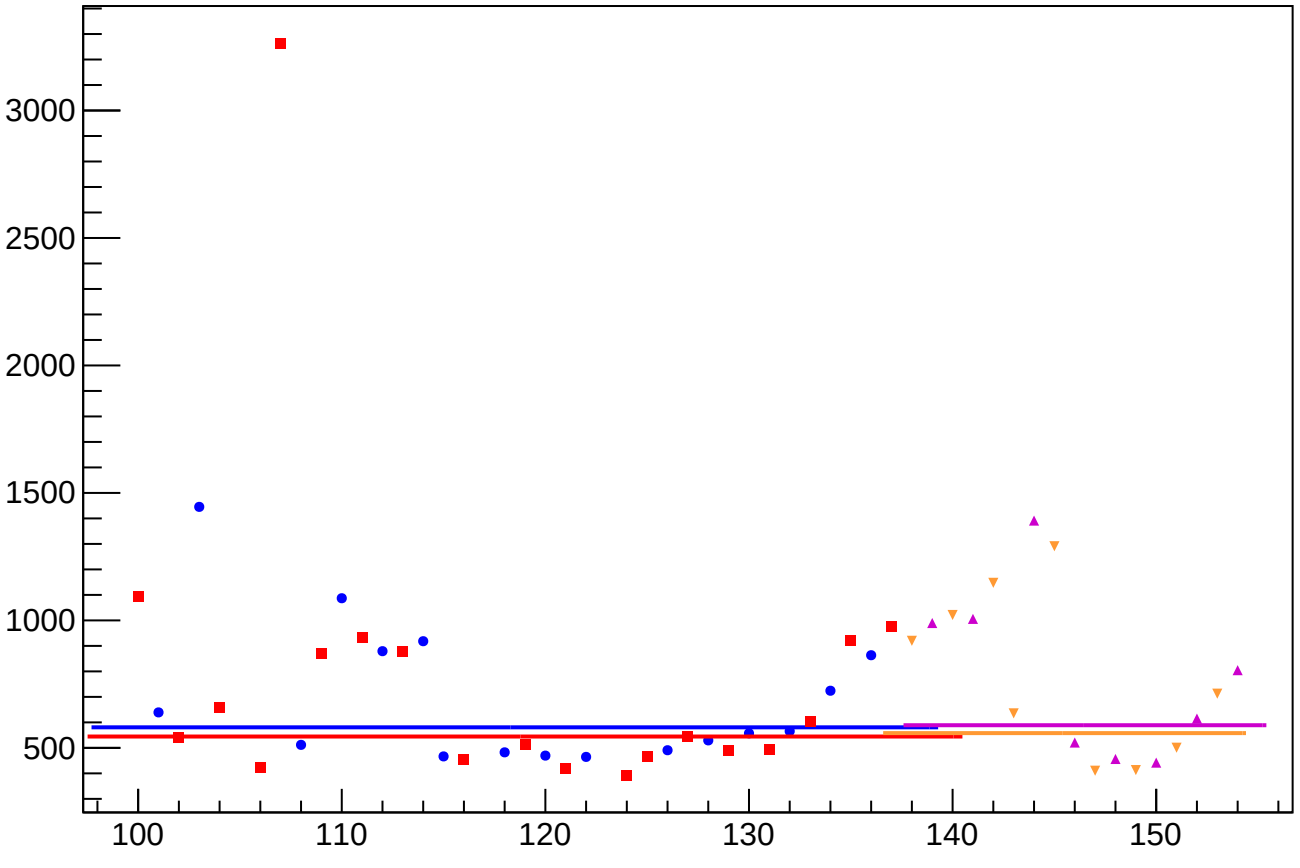
Left: -79.547+/-165.137 χ^2/NDF: 18.7/16

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -56.487+/-165.958 χ^2/NDF:19.6/23

Out: -129.400+/-159.148 χ^2/NDF:35.7/27

All: -94.471+/-114.867 χ^2/NDF: 55.4/51



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 557.917+/-0.161 χ^2/NDF:1825429.9/8

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 588.859+/-0.169 χ^2/NDF:1652071.1/7

Left: 572.663+/-0.117 χ^2/NDF: 3495017.0/16

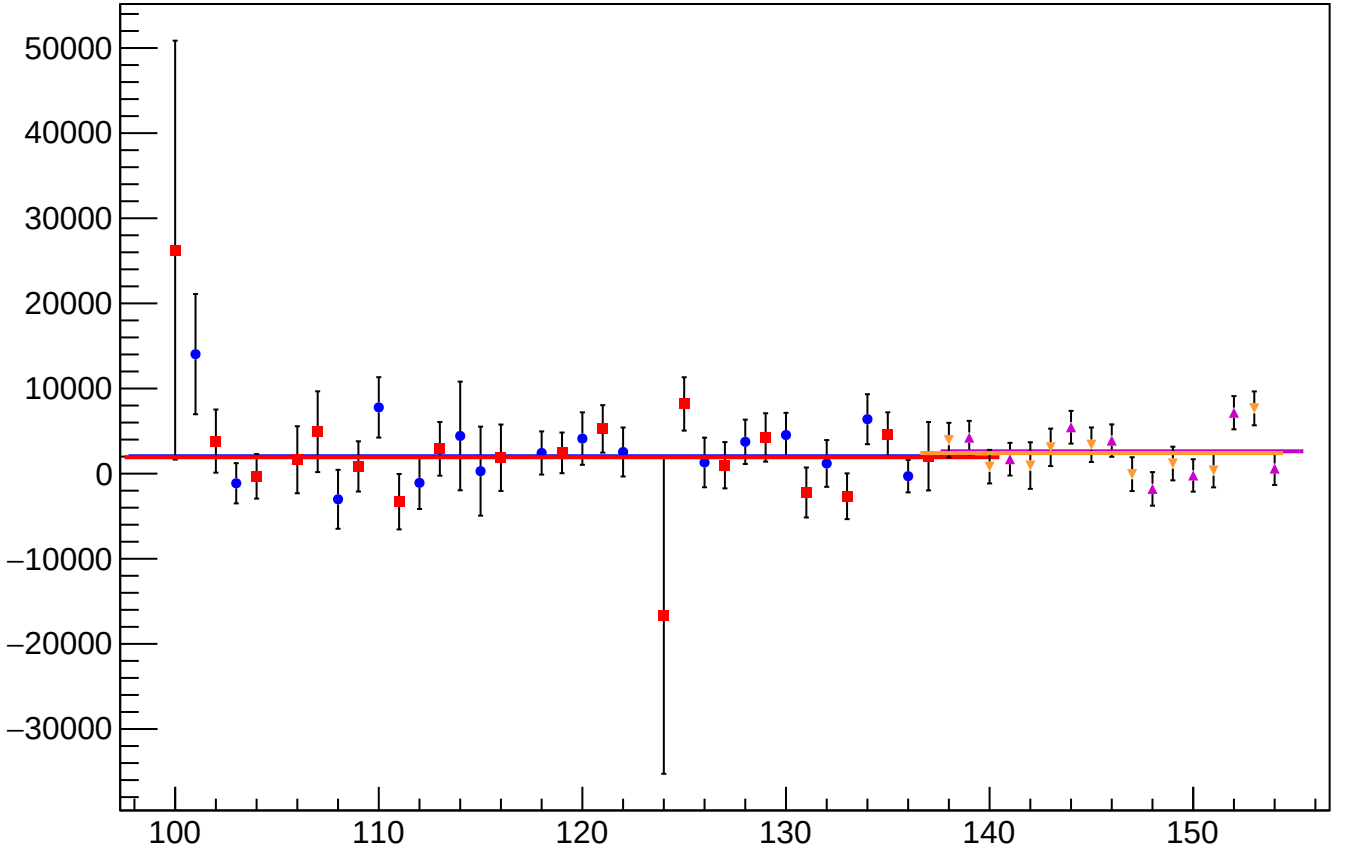
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 584.581+/-0.117 χ^2/NDF:2656715.3/23

Out: 551.038+/-0.113 χ^2/NDF:3116607.8/27

All: 567.107+/-0.081 χ^2/NDF: 5815883.7/51

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: 2626.101+/-683.373 χ^2/NDF:17.2/7

Left: 2520.446+/-485.636 χ^2/NDF: 29.1/16

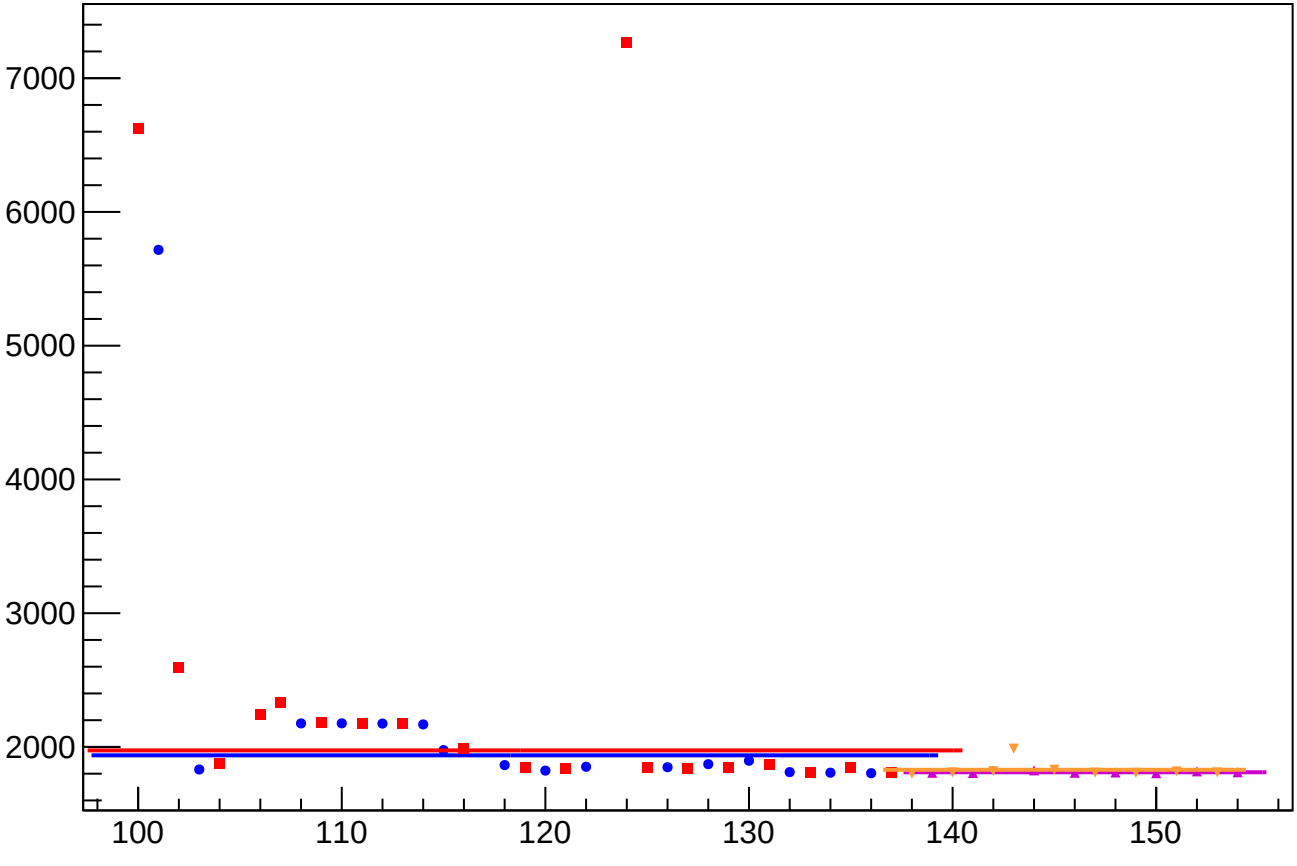
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2354.300+/-500.857 χ^2/NDF:34.0/23

Out: 2185.501+/-503.934 χ^2/NDF:30.5/27

All: 2270.417+/-355.242 χ^2/NDF: 64.5/51

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: 1810.767+/-0.483 χ^2/NDF:194.5/7

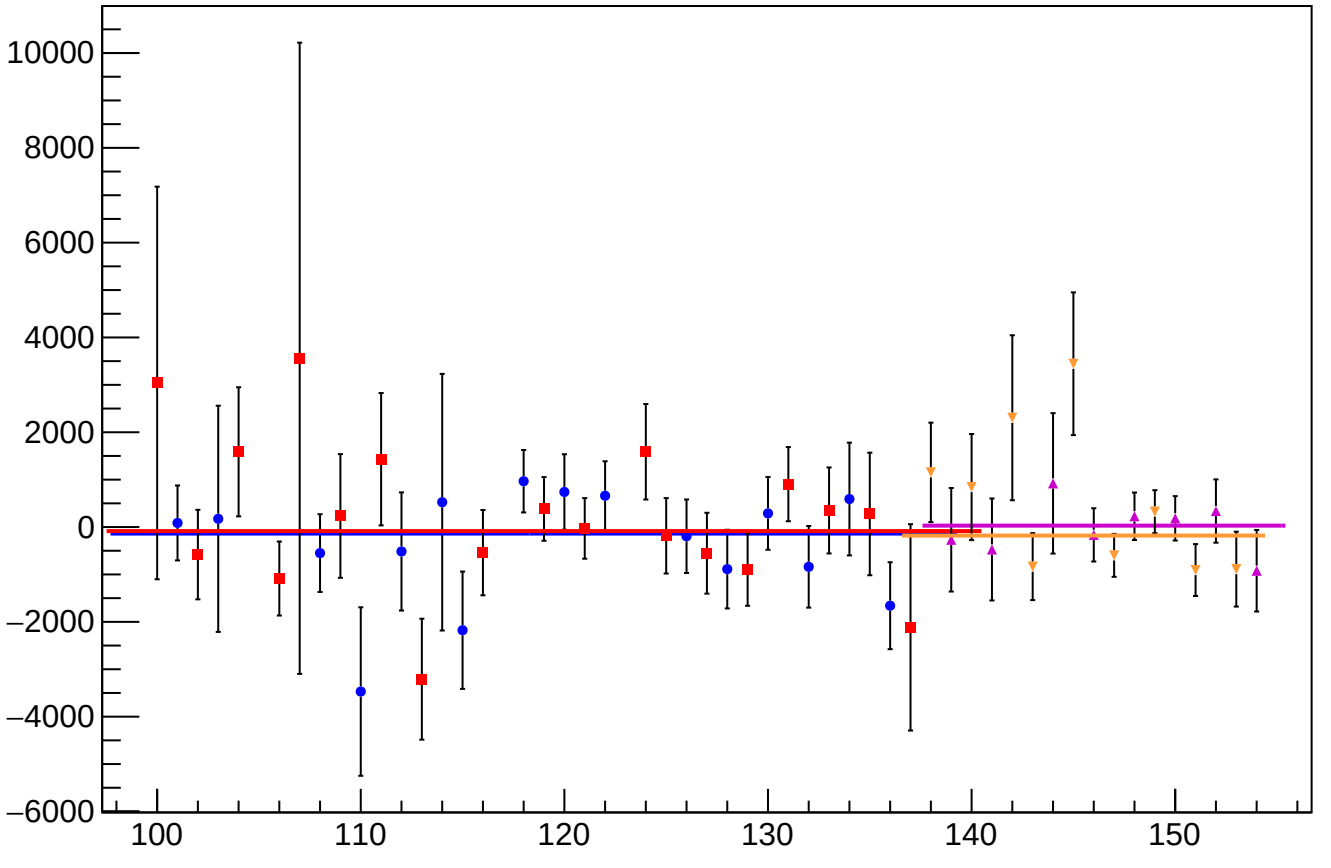
Left: 1819.871+/-0.343 χ^2/NDF: 12589.1/16

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1869.308+/-0.354 χ^2/NDF:669997.8/23

Out: 1896.874+/-0.356 χ^2/NDF:433321.5/27

All: 1883.007+/-0.251 χ^2/NDF: 1106329.9/51



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: 29.919+/-239.218 χ^2/NDF:2.5/7

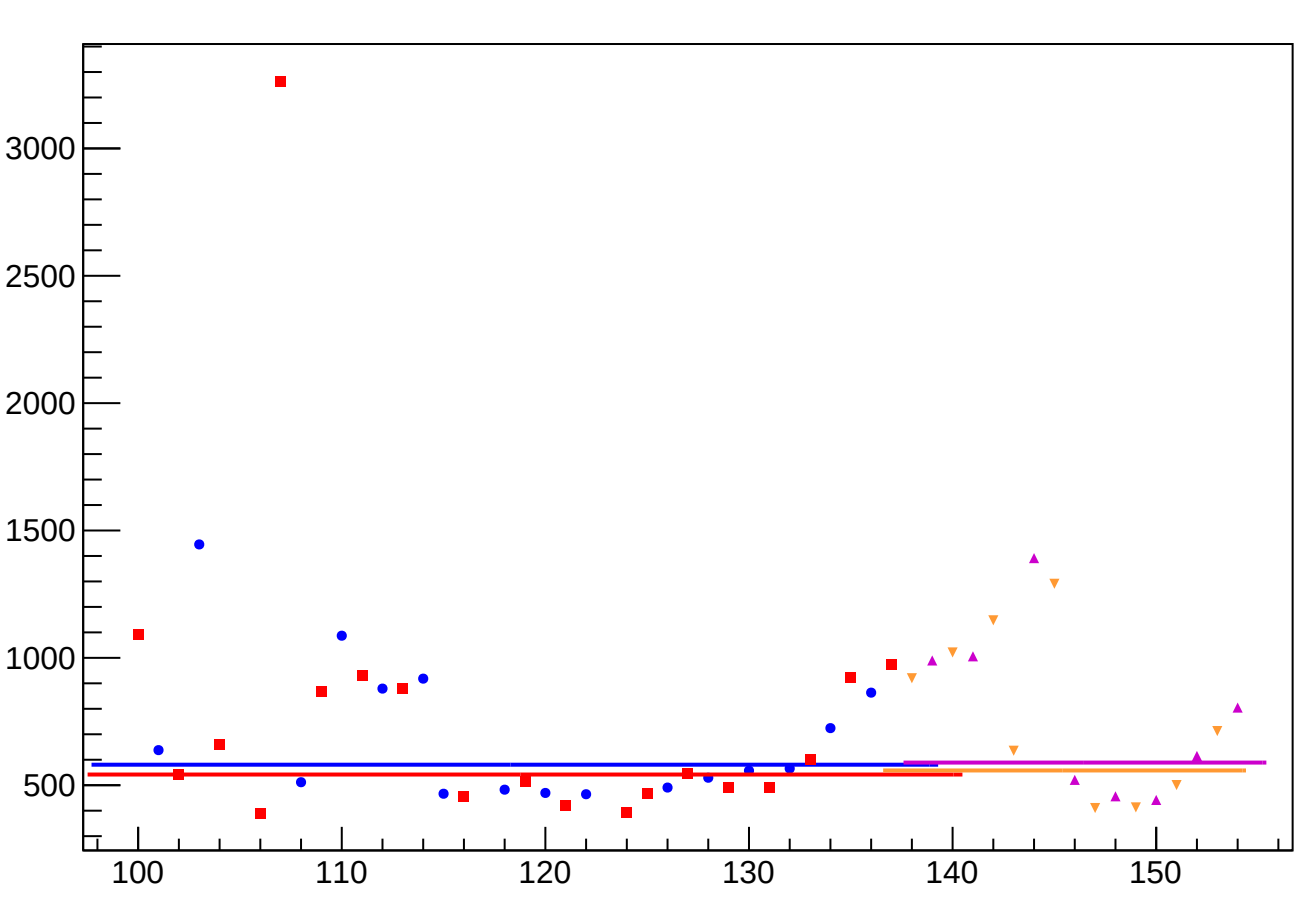
Left: -79.708+/-165.137 χ^2/NDF: 18.7/16

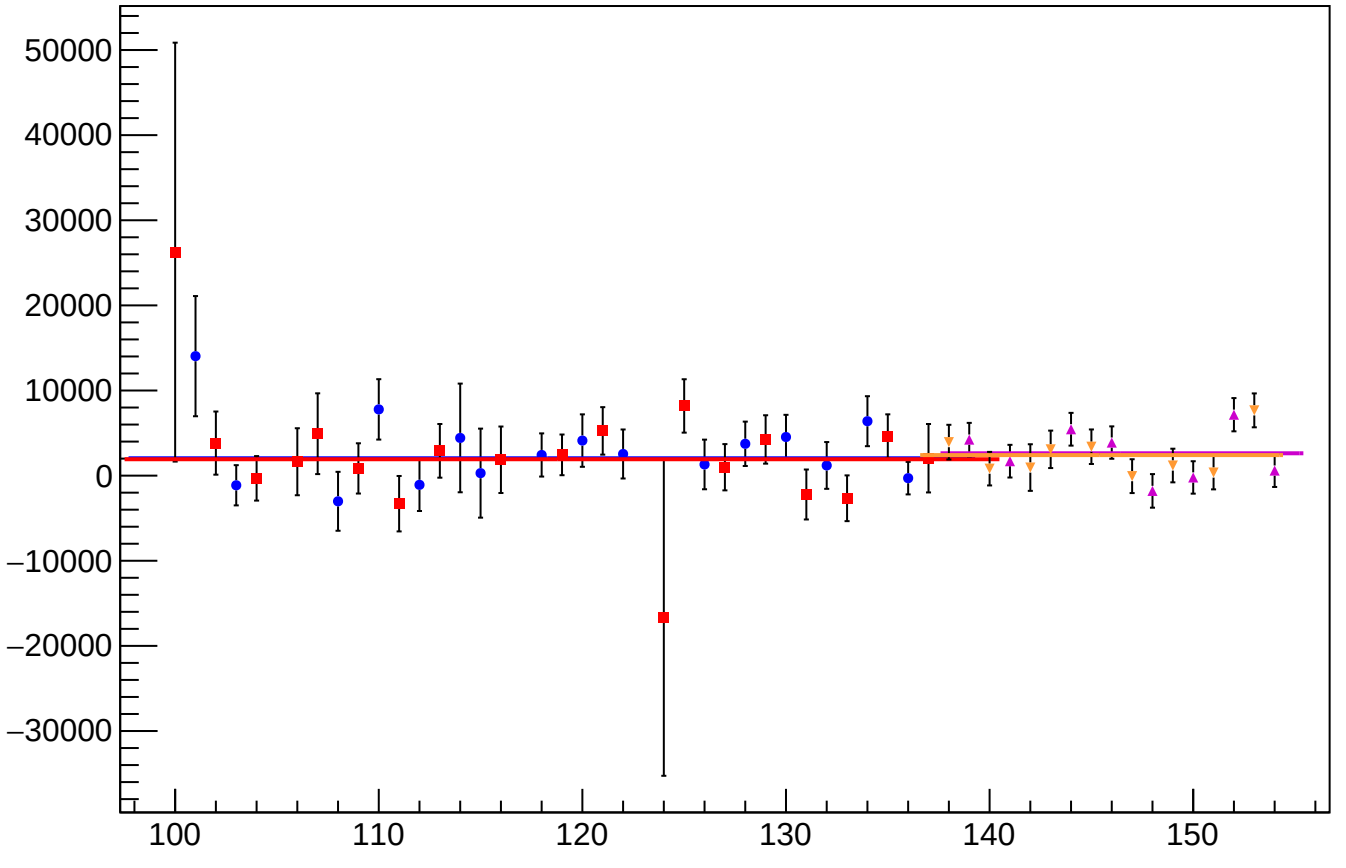
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -56.935+/-165.940 χ^2/NDF:19.6/23

Out: -130.891+/-159.096 χ^2/NDF:35.2/27

All: -95.470+/-114.841 χ^2/NDF: 54.9/51


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: 588.862+/-0.169 χ²/NDF:1652081.8/7
Left: 572.662+/-0.117 χ²/NDF: 3495039.2/16
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 584.534+/-0.117 χ²/NDF:2656244.6/23
Out: 549.700+/-0.112 χ²/NDF:3149321.7/27
All: 566.384+/-0.081 χ²/NDF: 5851485.5/51



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: 2626.101+/-683.373 χ^2/NDF:17.2/7

Left: 2520.446+/-485.636 χ^2/NDF: 29.1/16

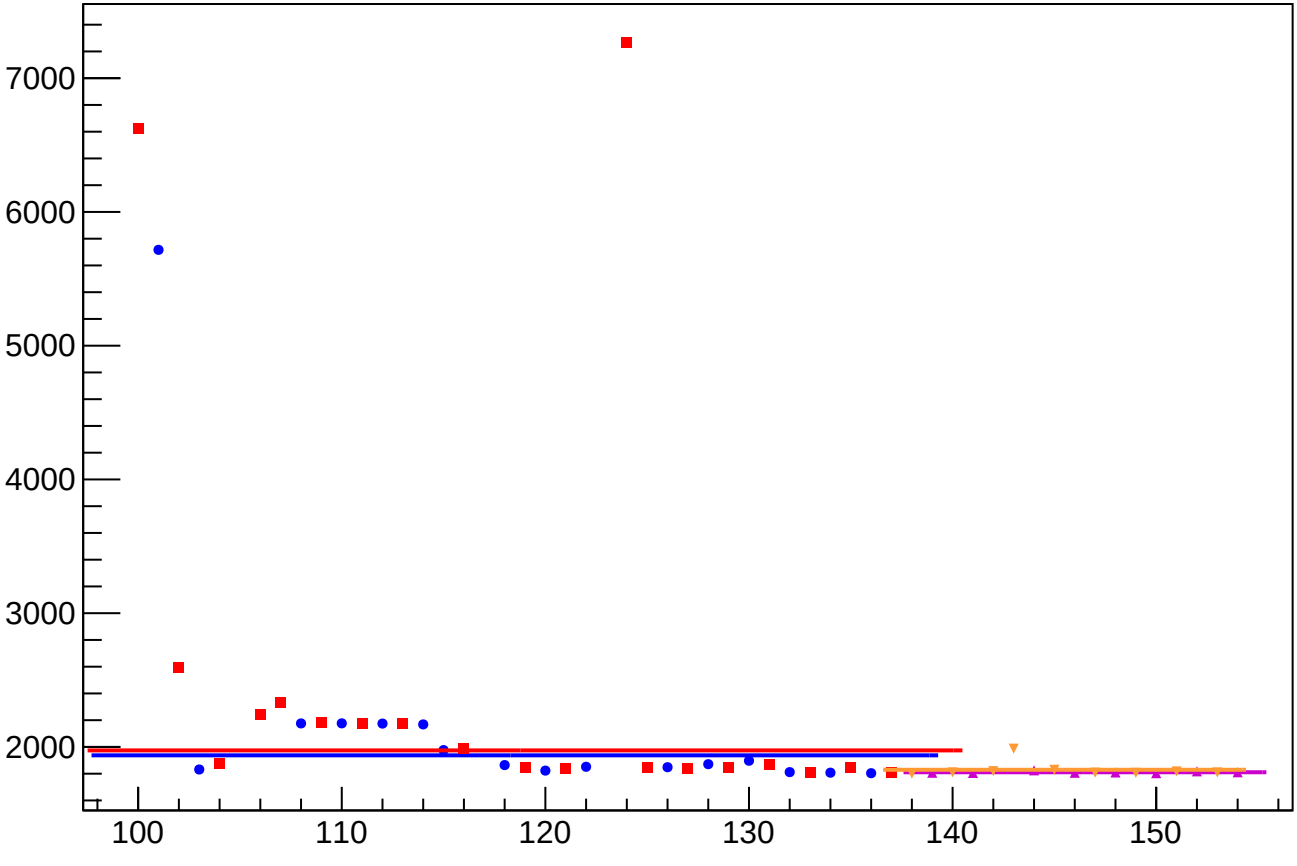
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2354.300+/-500.857 χ^2/NDF:34.0/23

Out: 2185.501+/-503.934 χ^2/NDF:30.5/27

All: 2270.417+/-355.242 χ^2/NDF: 64.5/51

eigen_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: 1810.767+/-0.483 χ^2/NDF:194.5/7

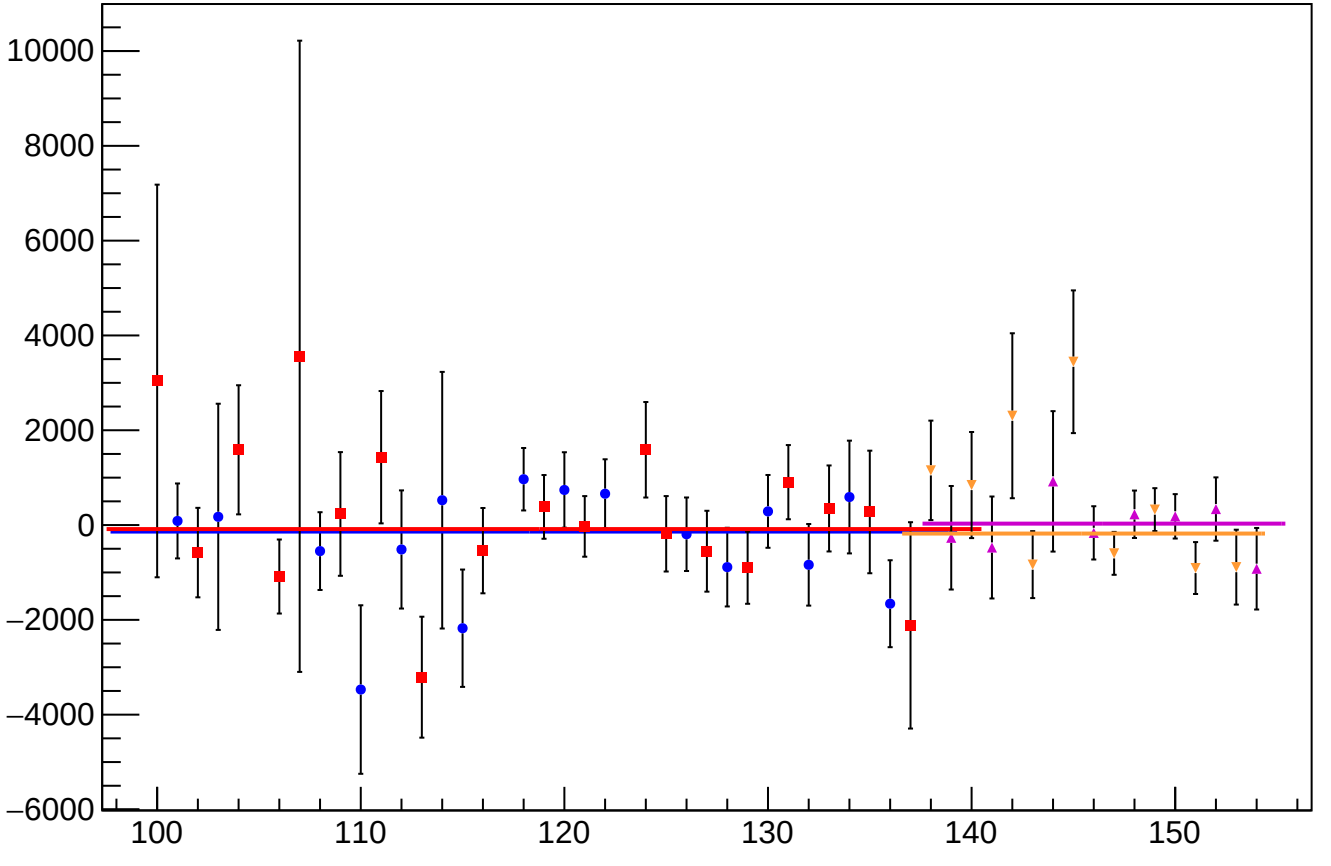
Left: 1819.871+/-0.343 χ^2/NDF: 12589.1/16

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1869.308+/-0.354 χ^2/NDF:669997.8/23

Out: 1896.874+/-0.356 χ^2/NDF:433321.5/27

All: 1883.007+/-0.251 χ^2/NDF: 1106329.9/51



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: 29.919+/-239.218 χ^2/NDF:2.5/7

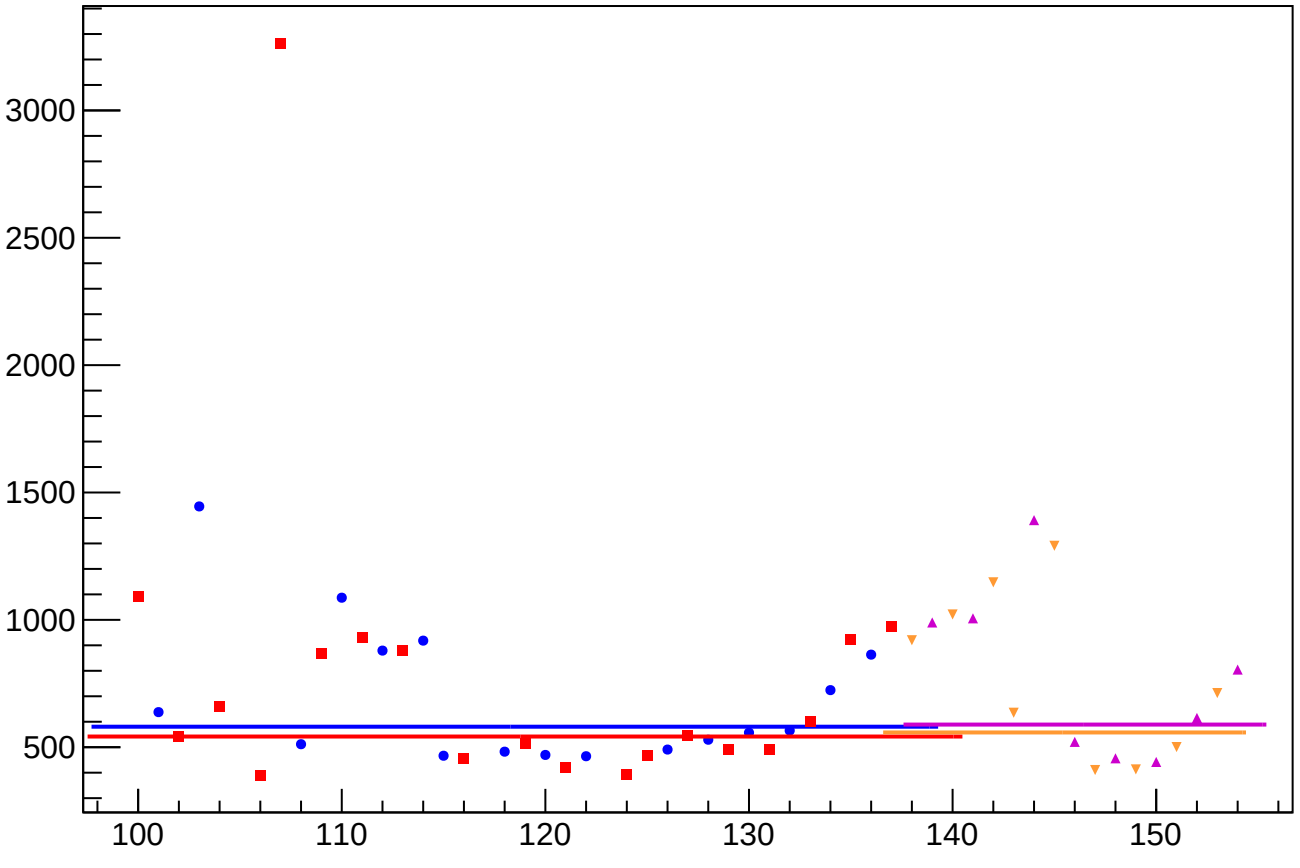
Left: -79.708+/-165.137 χ^2/NDF: 18.7/16

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -56.935+/-165.940 χ^2/NDF:19.6/23

Out: -130.891+/-159.096 χ^2/NDF:35.2/27

All: -95.470+/-114.841 χ^2/NDF: 54.9/51


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
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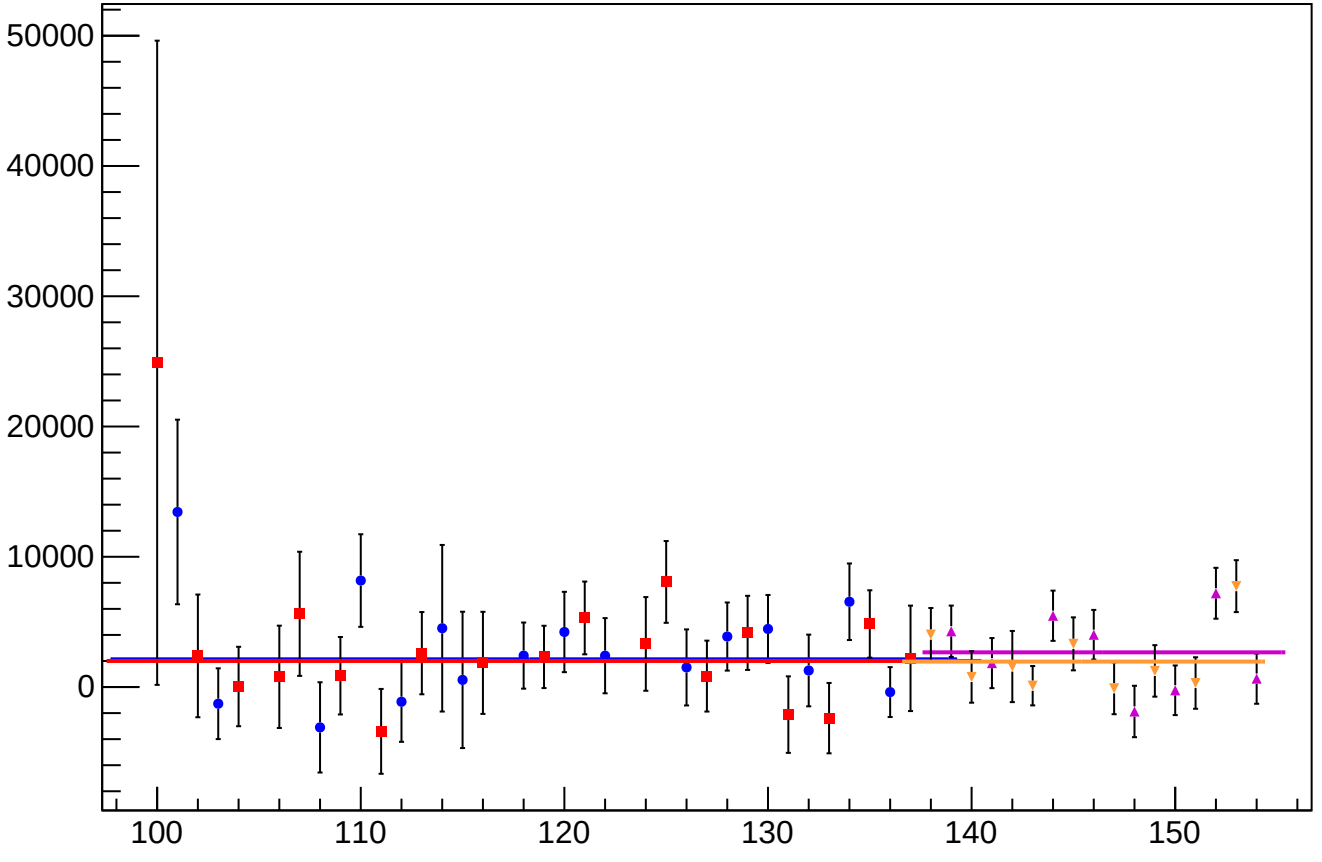
120
130
140
150
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 557.914+/-0.161 χ²/NDF:1825434.2/8
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 588.862+/-0.169 χ²/NDF:1652081.8/7
Left: 572.662+/-0.117 χ²/NDF: 3495039.2/16
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 584.534+/-0.117 χ²/NDF:2656244.6/23
Out: 549.700+/-0.112 χ²/NDF:3149321.7/27
All: 566.384+/-0.081 χ²/NDF: 5851485.5/51

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: 2664.493+/-684.265 χ^2/NDF:17.6/7

Left: 2293.233+/-473.375 χ^2/NDF: 31.9/16

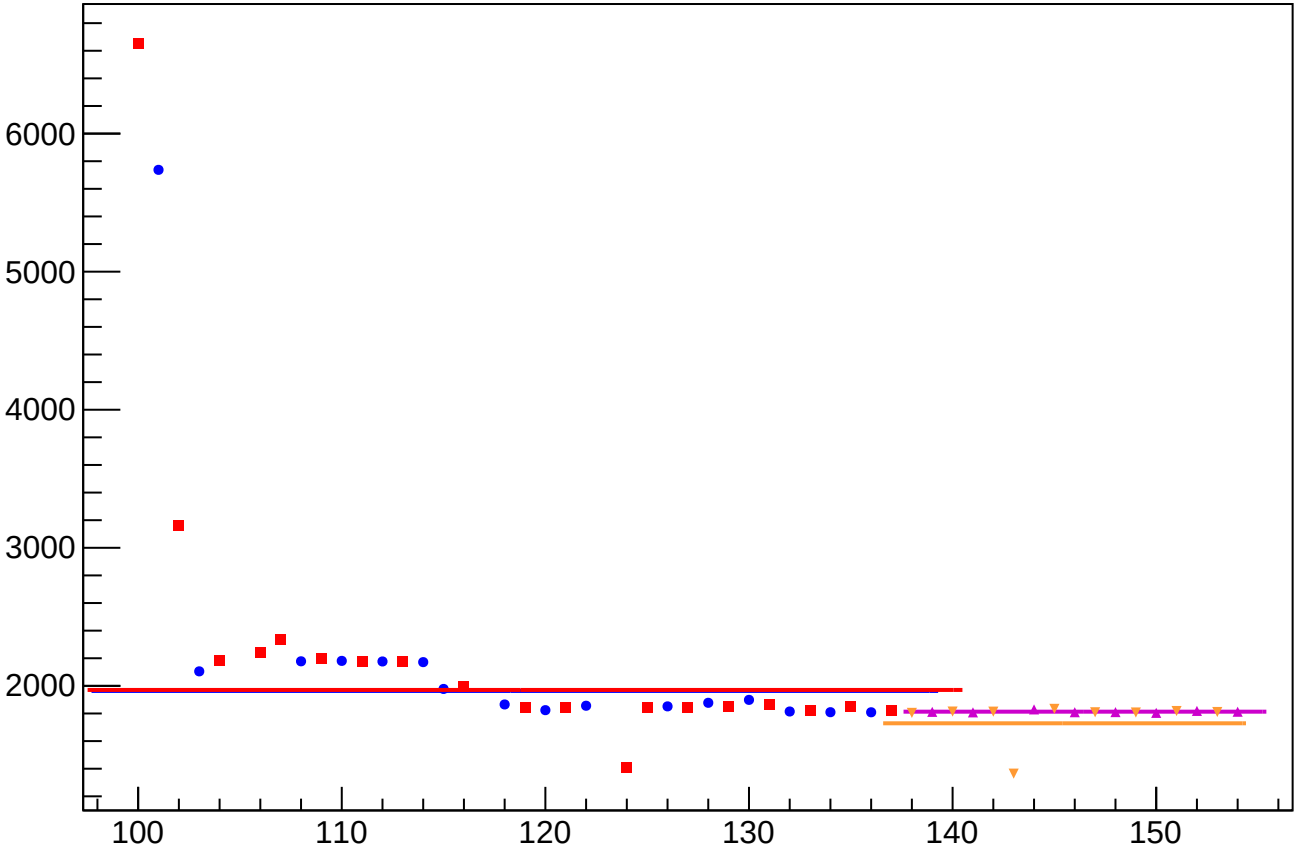
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2419.788+/-504.338 χ^2/NDF:34.4/23

Out: 1974.436+/-489.882 χ^2/NDF:30.4/27

All: 2190.638+/-351.399 χ^2/NDF: 65.2/51

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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: 1813.094+/-0.484 χ^2/NDF:230.9/7

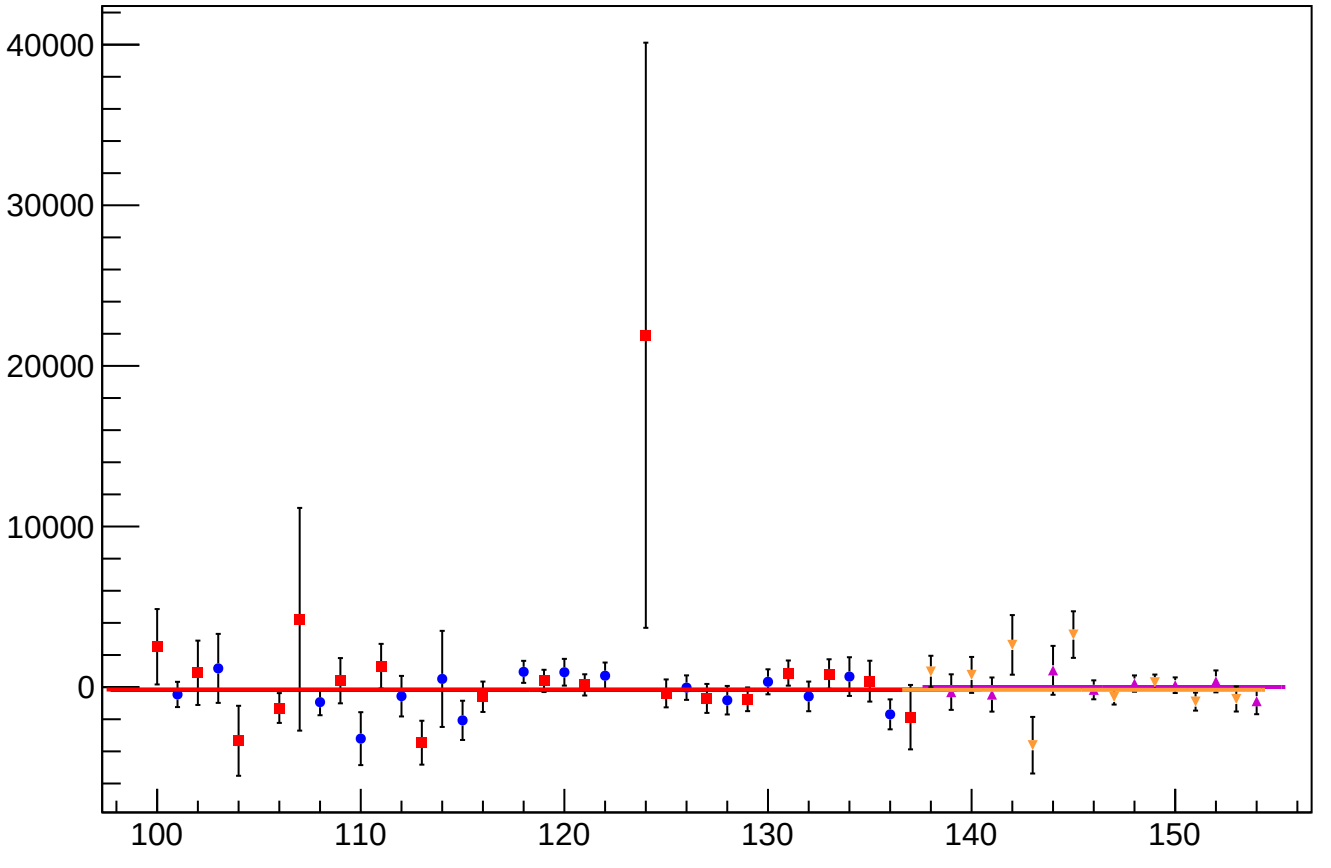
Left: 1769.203+/-0.335 χ^2/NDF: 160056.1/16

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1881.754+/-0.357 χ^2/NDF:684571.7/23

Out: 1835.580+/-0.346 χ^2/NDF:609073.4/27

All: 1857.995+/-0.248 χ^2/NDF: 1302271.0/51



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: 7.712+/-244.038 χ^2/NDF:2.5/7

Left: -79.346+/-173.142 χ^2/NDF: 20.6/16

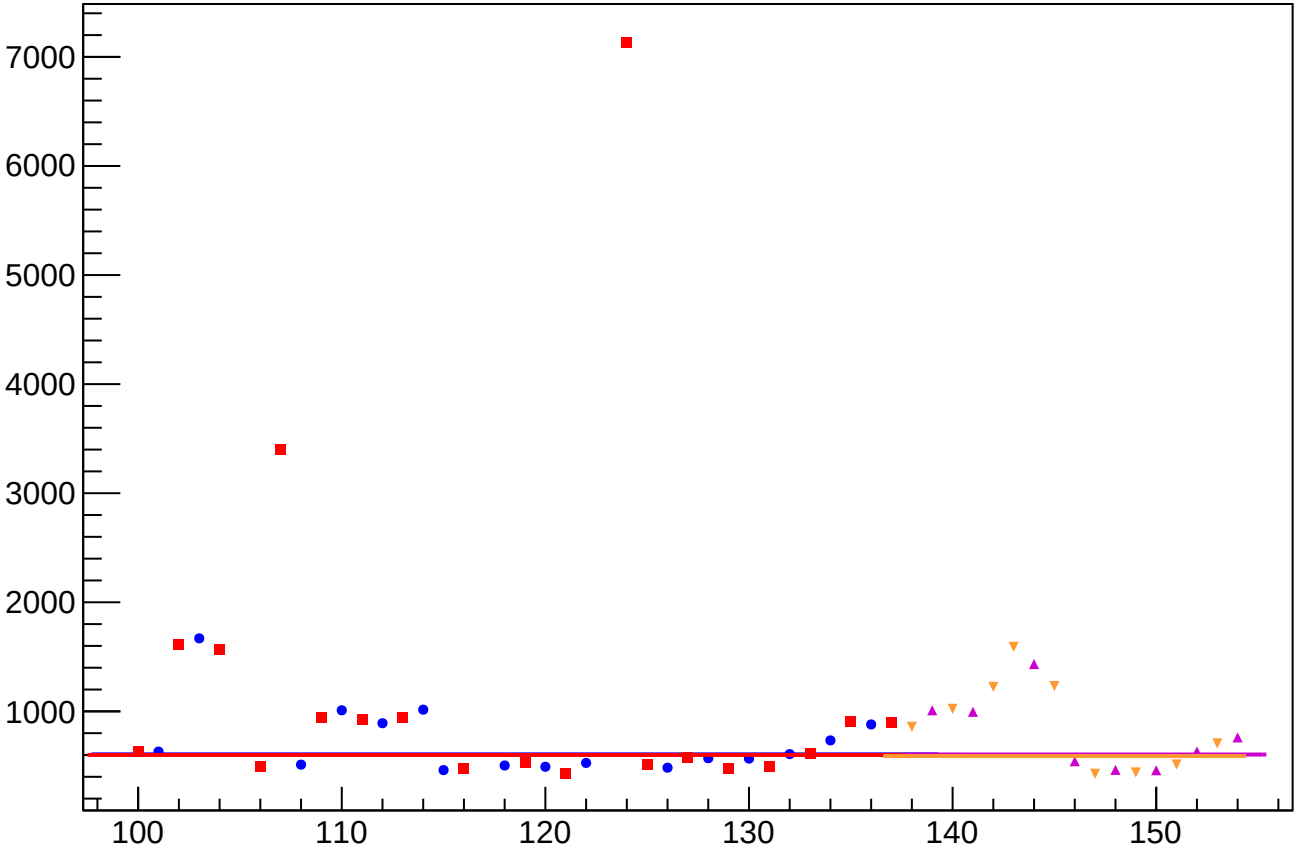
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -84.175+/-169.986 χ^2/NDF:20.0/23

Out: -157.421+/-172.715 χ^2/NDF:37.9/27

All: -120.214+/-121.151 χ^2/NDF: 58.1/51

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: 604.272+/-0.173 χ^2/NDF:1563287.7/7

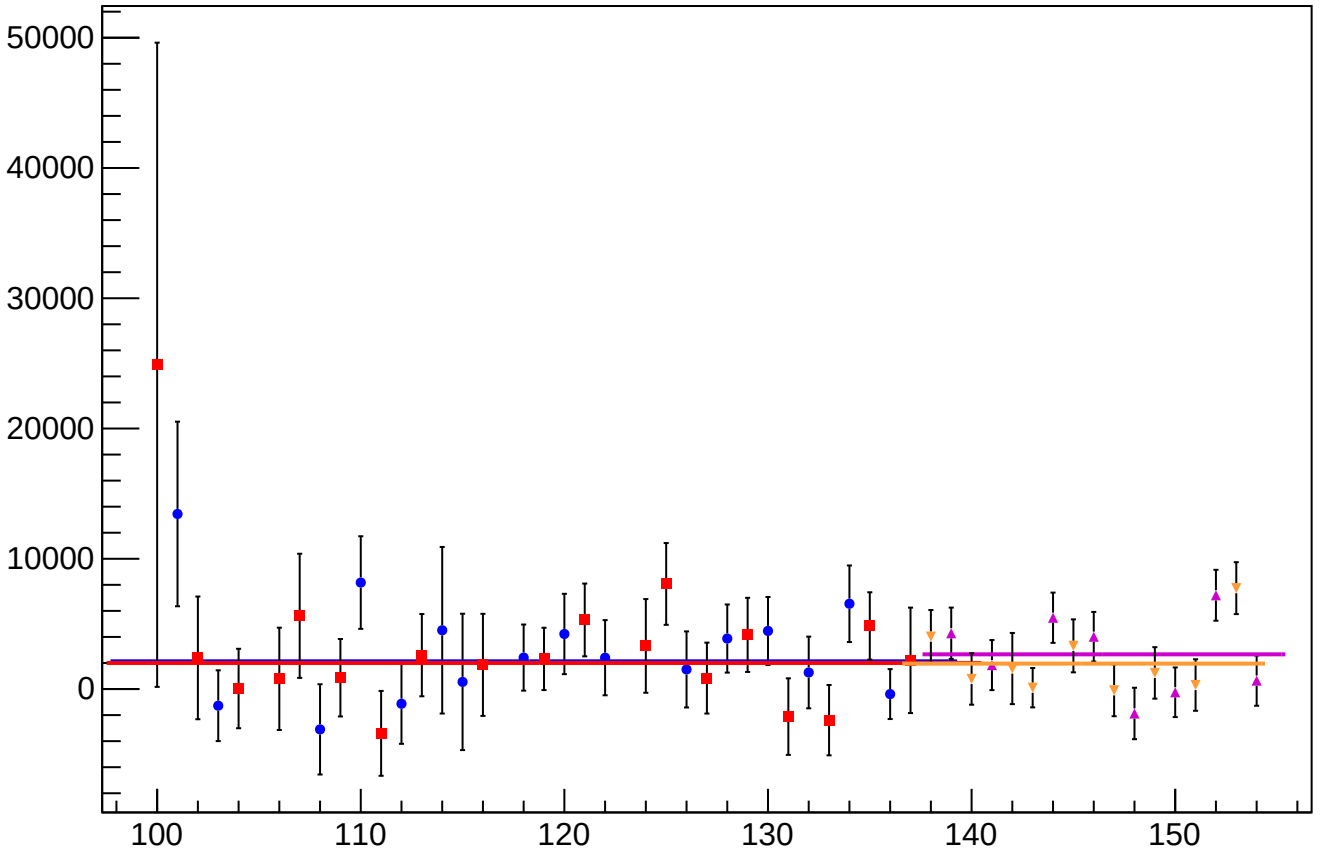
Left: 597.272+/-0.122 χ^2/NDF: 3801502.7/16

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 604.868+/-0.120 χ^2/NDF:2725765.3/23

Out: 595.371+/-0.122 χ^2/NDF:4565192.9/27

All: 600.195+/-0.086 χ^2/NDF: 7294029.5/51



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: 2664.493+/-684.265 χ^2/NDF:17.6/7

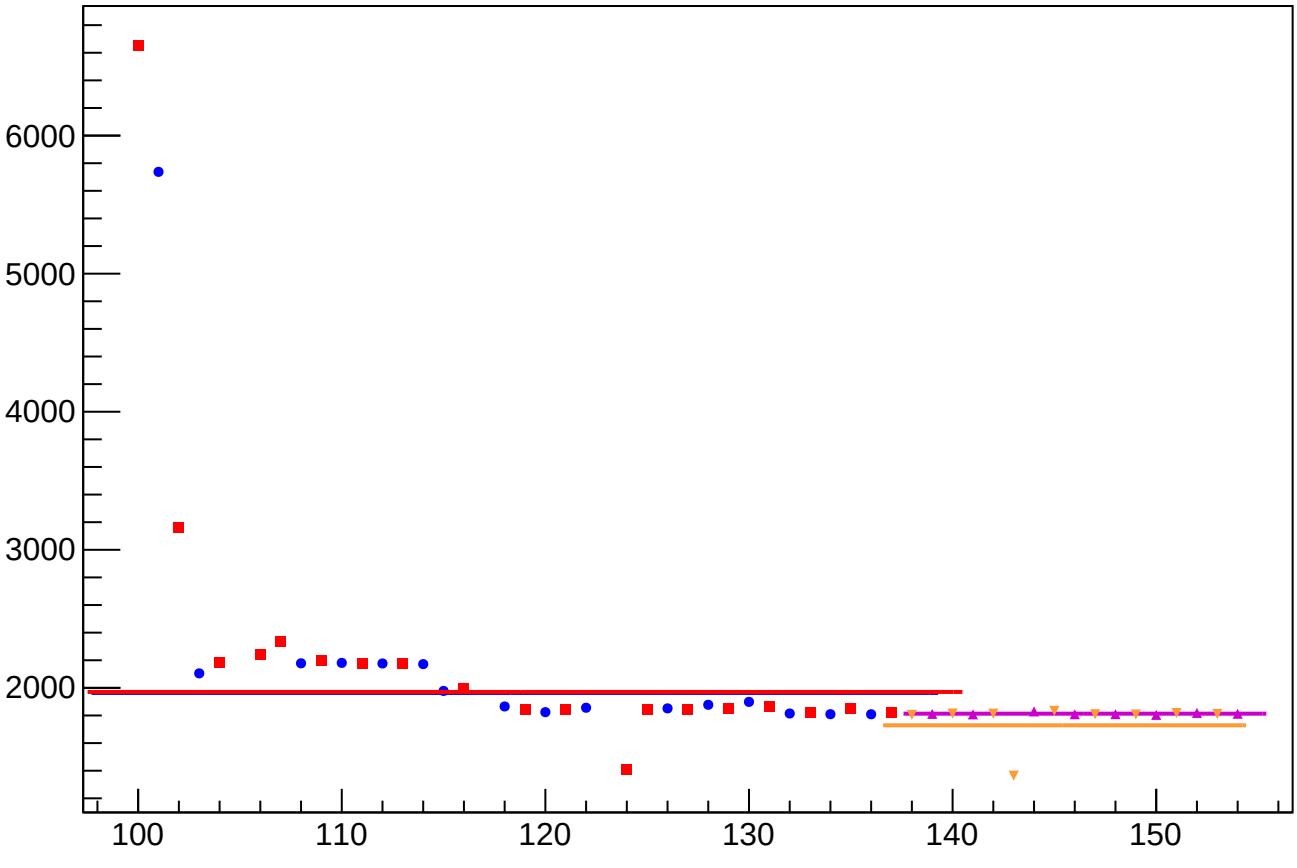
Left: 2293.233+/-473.375 χ^2/NDF: 31.9/16

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2419.787+/-504.338 χ^2/NDF:34.4/23

Out: 1974.436+/-489.882 χ^2/NDF:30.4/27

All: 2190.637+/-351.398 χ^2/NDF: 65.2/51



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: 1813.094+/-0.484 χ^2/NDF:231.0/7

Left: 1769.203+/-0.335 χ^2/NDF: 160056.1/16

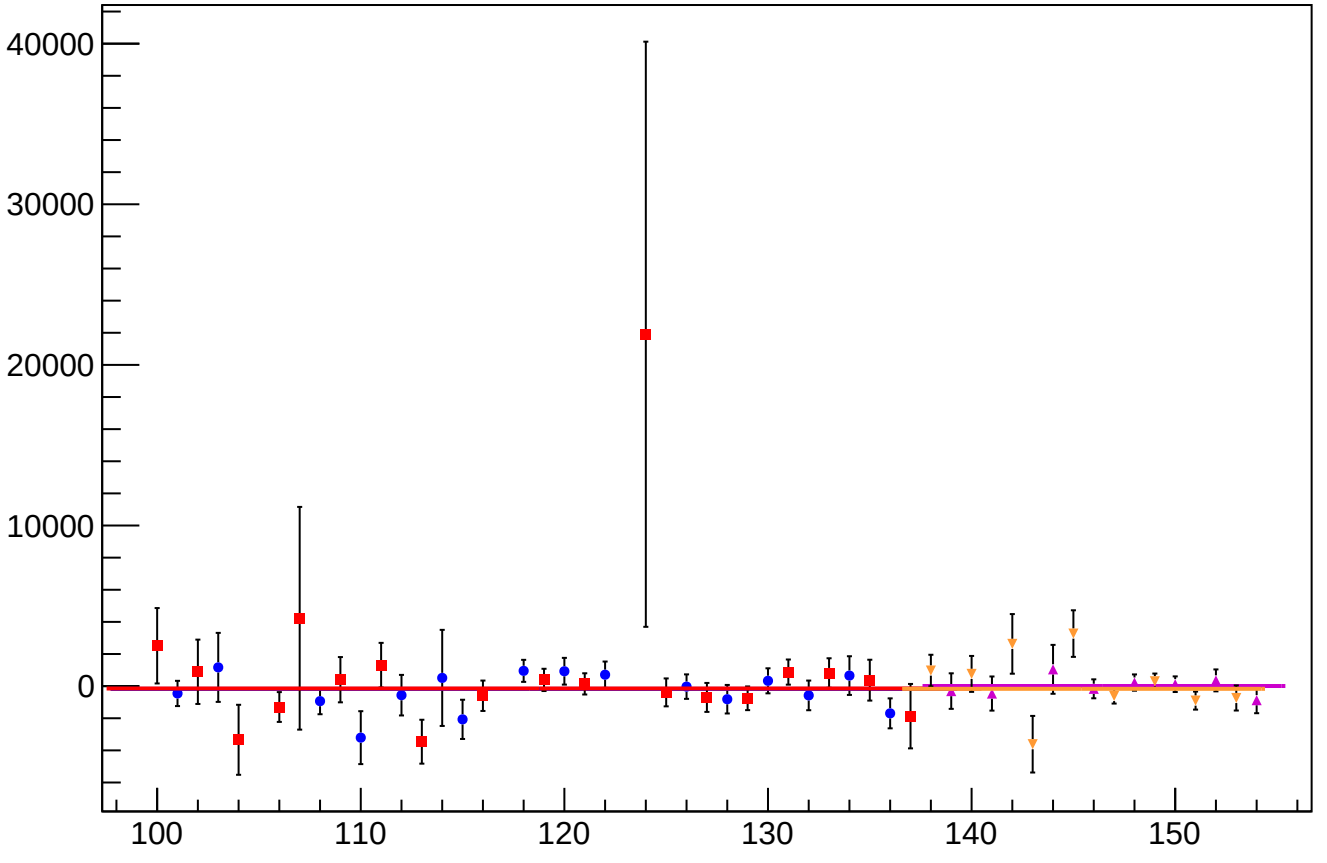
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1881.754+/-0.357 χ^2/NDF:684571.3/23

Out: 1835.579+/-0.346 χ^2/NDF:609071.8/27

All: 1857.995+/-0.248 χ^2/NDF: 1302269.0/51

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: 7.712+/-244.039 χ^2/NDF:2.5/7

Left: -79.346+/-173.142 χ^2/NDF: 20.6/16

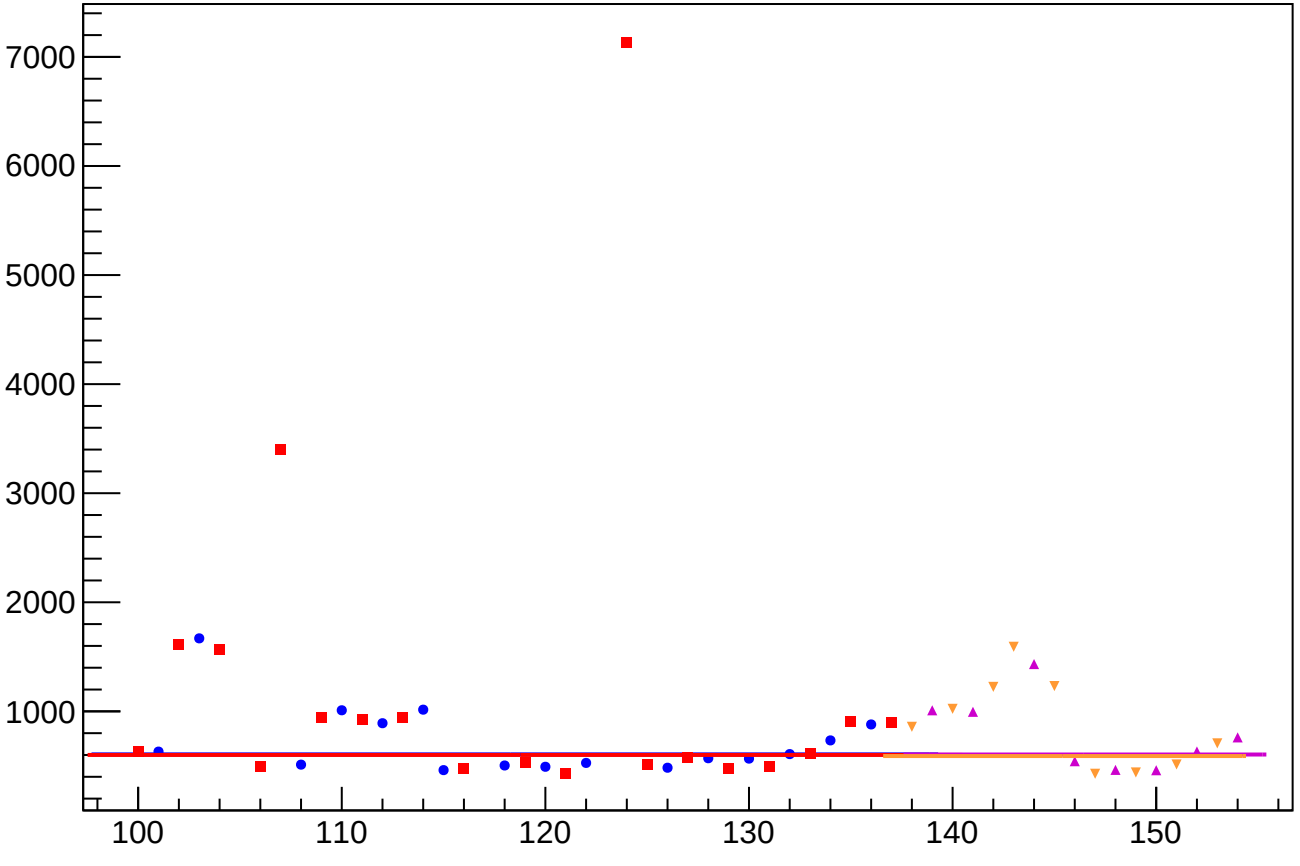
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -84.175+/-169.986 χ^2/NDF:20.0/23

Out: -157.420+/-172.715 χ^2/NDF:37.9/27

All: -120.214+/-121.152 χ^2/NDF: 58.1/51

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 604.273+/-0.173 χ^2/NDF:1563283.3/7

Left: 597.273+/-0.122 χ^2/NDF: 3801492.5/16

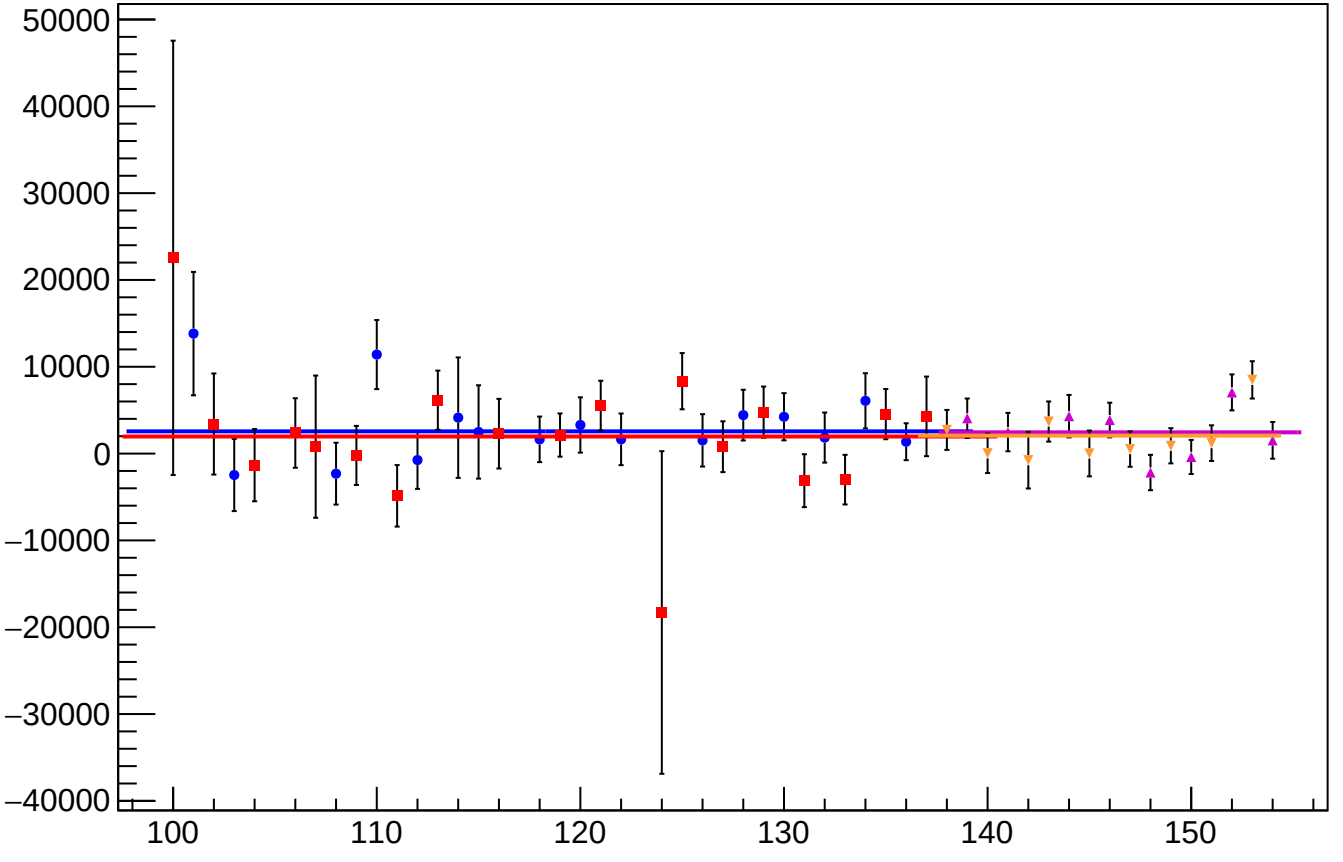
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 604.868+/-0.120 χ^2/NDF:2725768.8/23

Out: 595.372+/-0.122 χ^2/NDF:4565194.5/27

All: 600.195+/-0.086 χ^2/NDF: 7294034.5/51

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: 2446.610+/-751.180 χ^2/NDF:14.0/7

Left: 2260.055+/-533.344 χ^2/NDF: 26.8/16

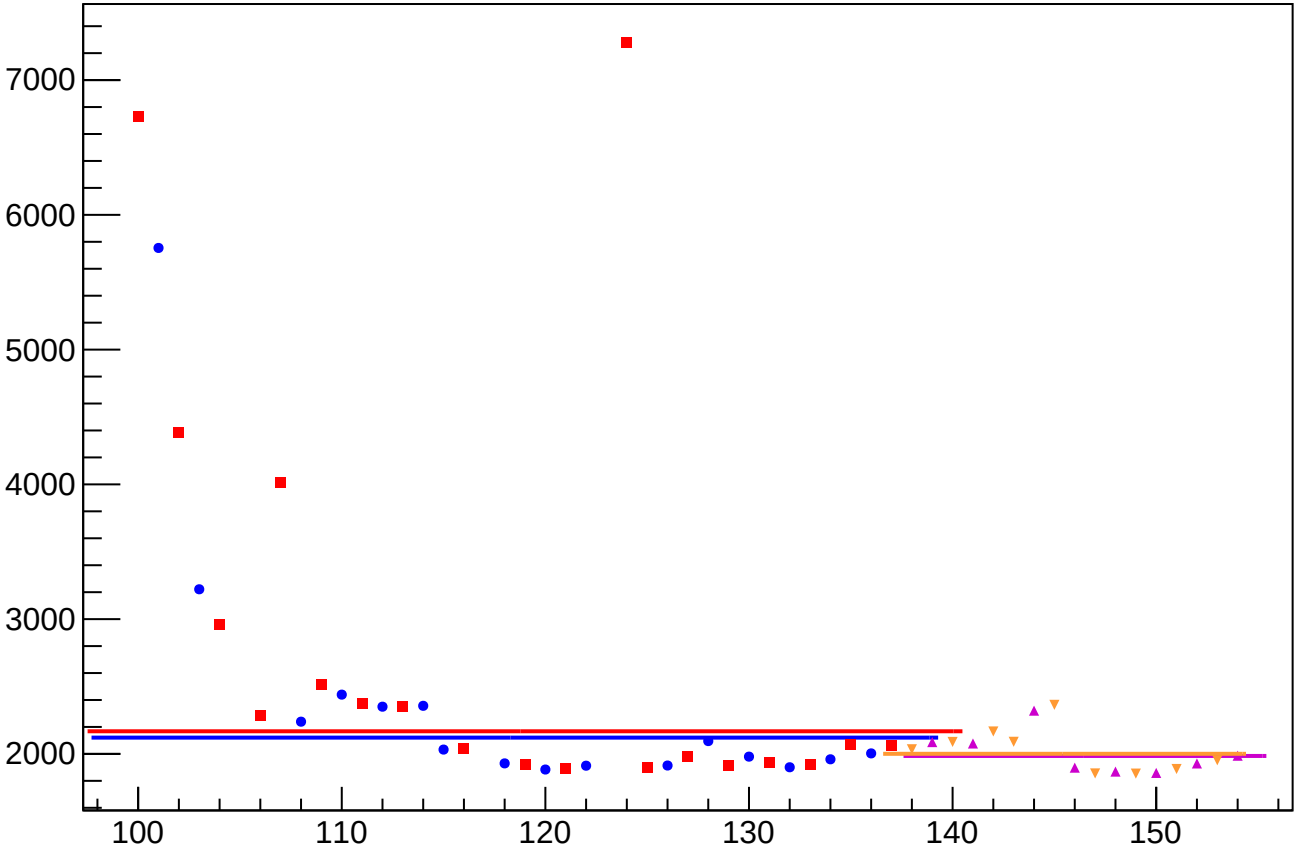
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2499.512+/-550.679 χ^2/NDF:28.6/23

Out: 2022.605+/-556.010 χ^2/NDF:34.3/27

All: 2263.355+/-391.260 χ^2/NDF: 63.3/51

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: 1984.738+/-0.531 χ^2/NDF:65184.0/7

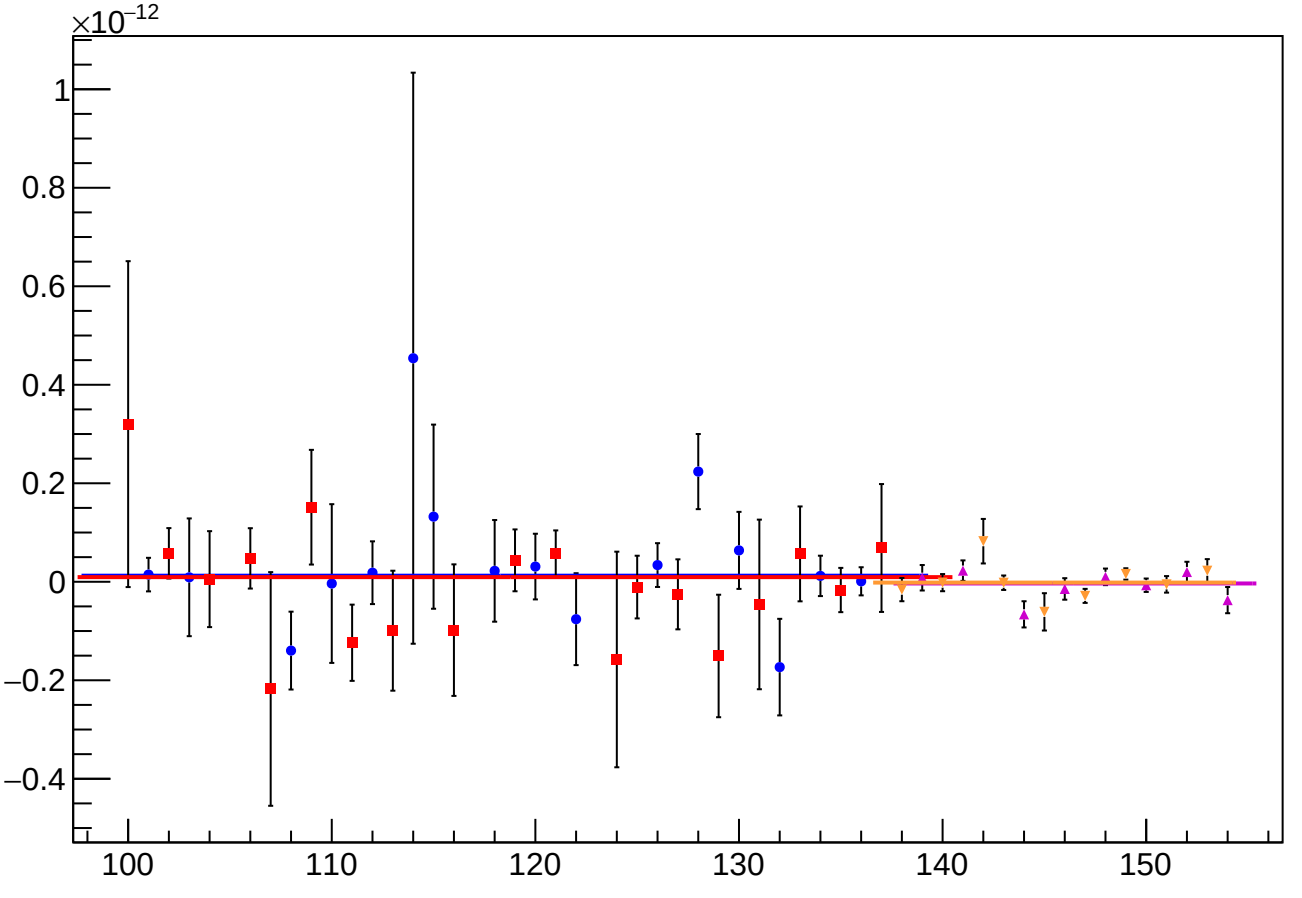
Left: 1992.614+/-0.377 χ^2/NDF: 142848.4/16

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2047.668+/-0.389 χ^2/NDF:855496.7/23

Out: 2077.721+/-0.393 χ^2/NDF:946097.0/27

All: 2062.550+/-0.277 χ^2/NDF: 1804543.4/51



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:11.2/7

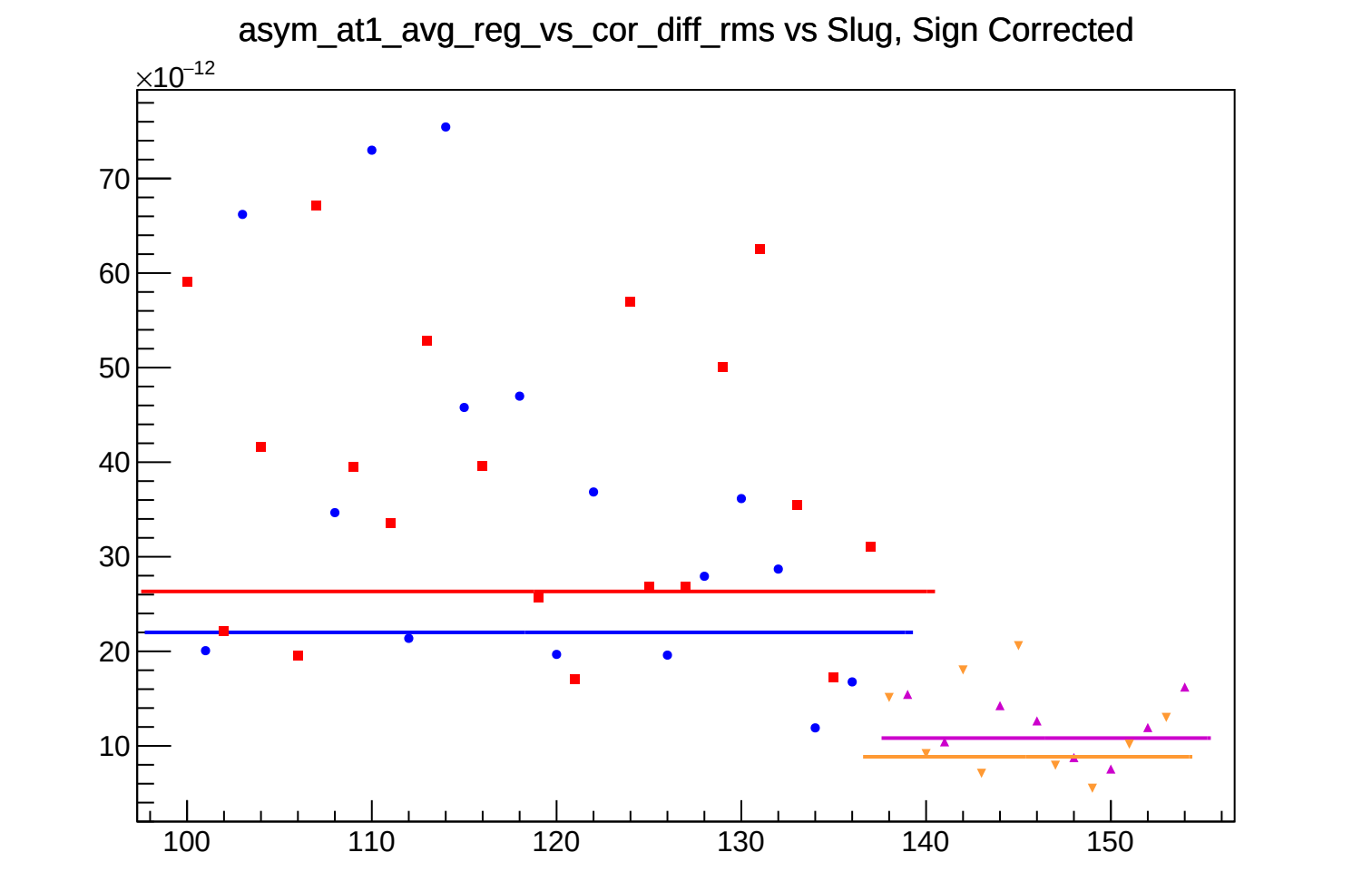
Left: -0.000+/-0.000 χ^2/NDF: 24.5/16

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:29.9/23

Out: -0.000+/-0.000 χ^2/NDF:27.4/27

All: -0.000+/-0.000 χ^2/NDF: 57.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:693237.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

Left In: 0.000+/-0.000 χ^2/NDF:345479.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1130595.6/16

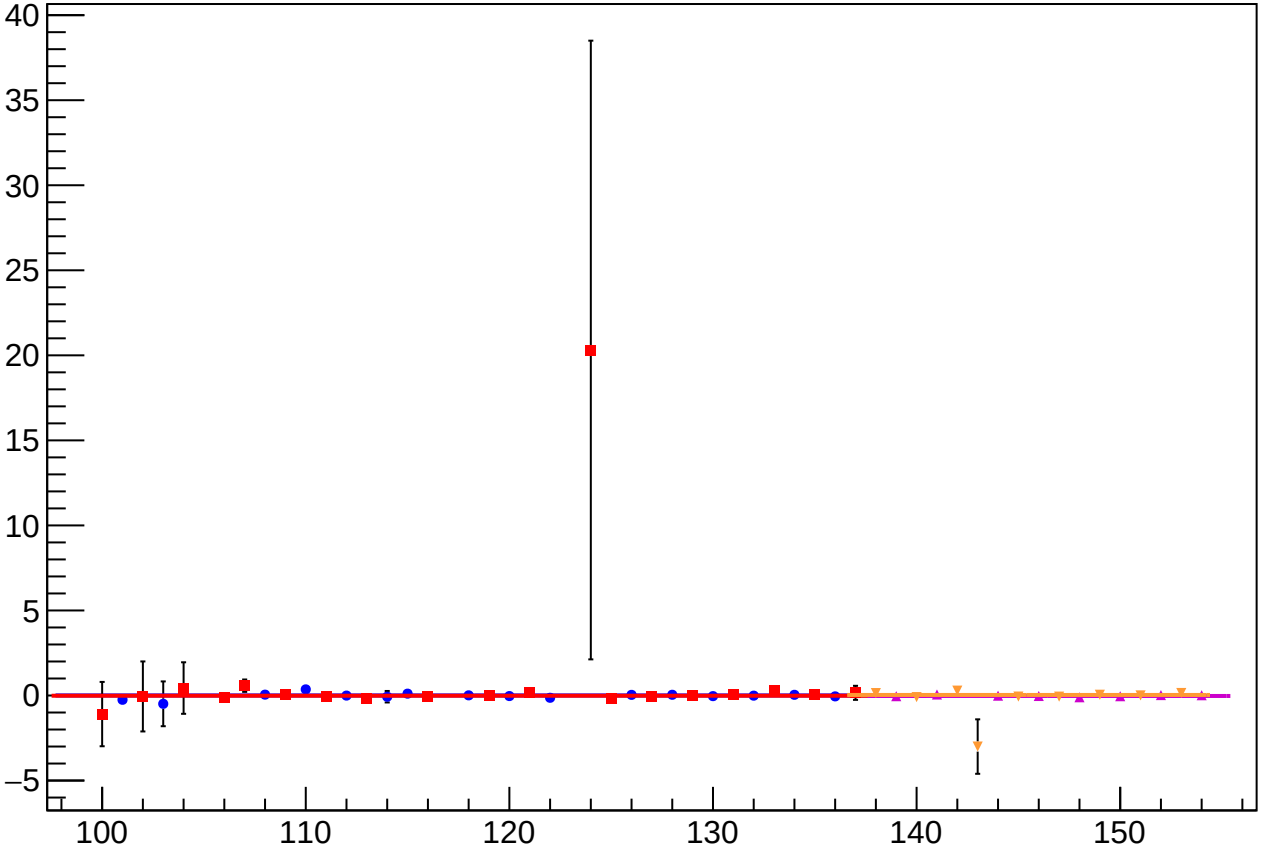
Right: 0.000+/-0.000 χ^2/NDF: 1806874.5/34

In: 0.000+/-0.000 χ^2/NDF:2314101.1/23

Out: 0.000+/-0.000 χ^2/NDF:3095867.9/27

All: 0.000+/-0.000 χ^2/NDF: 5566463.9/51

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: -0.028+/-0.021 χ^2/NDF:5.7/7

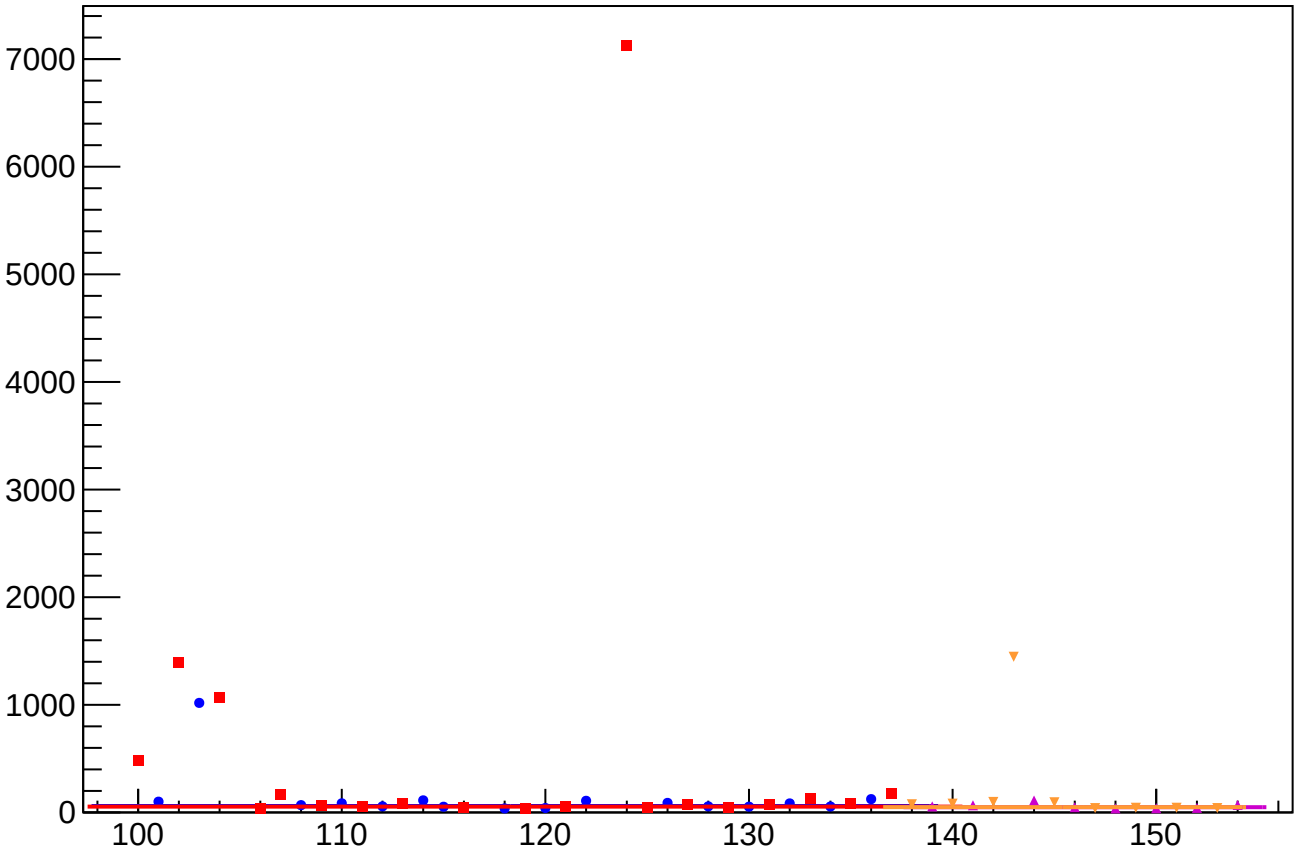
Left: 0.000+/-0.015 χ^2/NDF: 30.1/16

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.016+/-0.016 χ^2/NDF:18.0/23

Out: 0.013+/-0.017 χ^2/NDF:39.8/27

All: -0.002+/-0.012 χ^2/NDF: 59.3/51



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: 48.958+/-0.015 χ^2/NDF:1038475.4/7

Left: 49.176+/-0.011 χ^2/NDF: 3653456.0/16

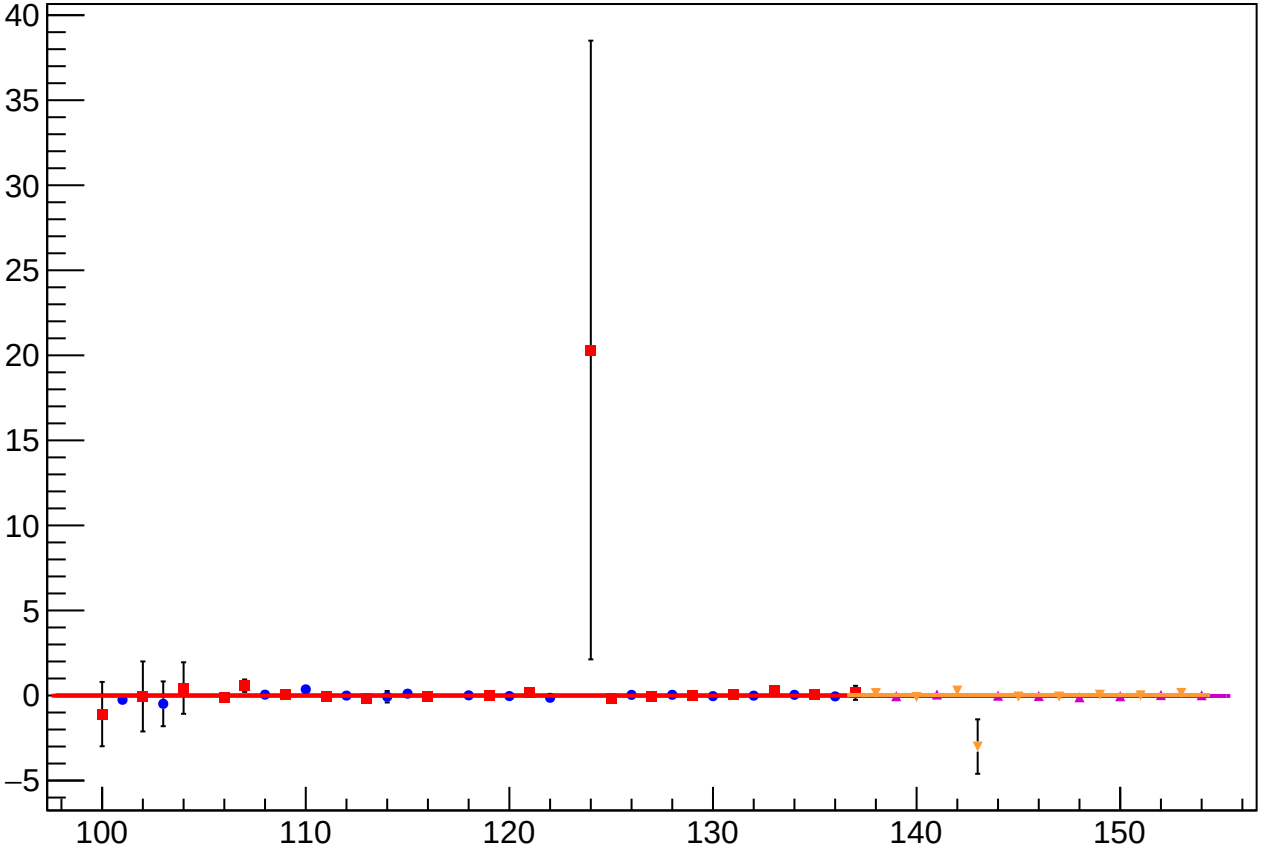
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 53.050+/-0.012 χ^2/NDF:3784356.1/23

Out: 51.495+/-0.012 χ^2/NDF:6175916.1/27

All: 52.296+/-0.008 χ^2/NDF: 9968999.9/51

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: -0.028+/-0.021 χ^2/NDF:5.7/7

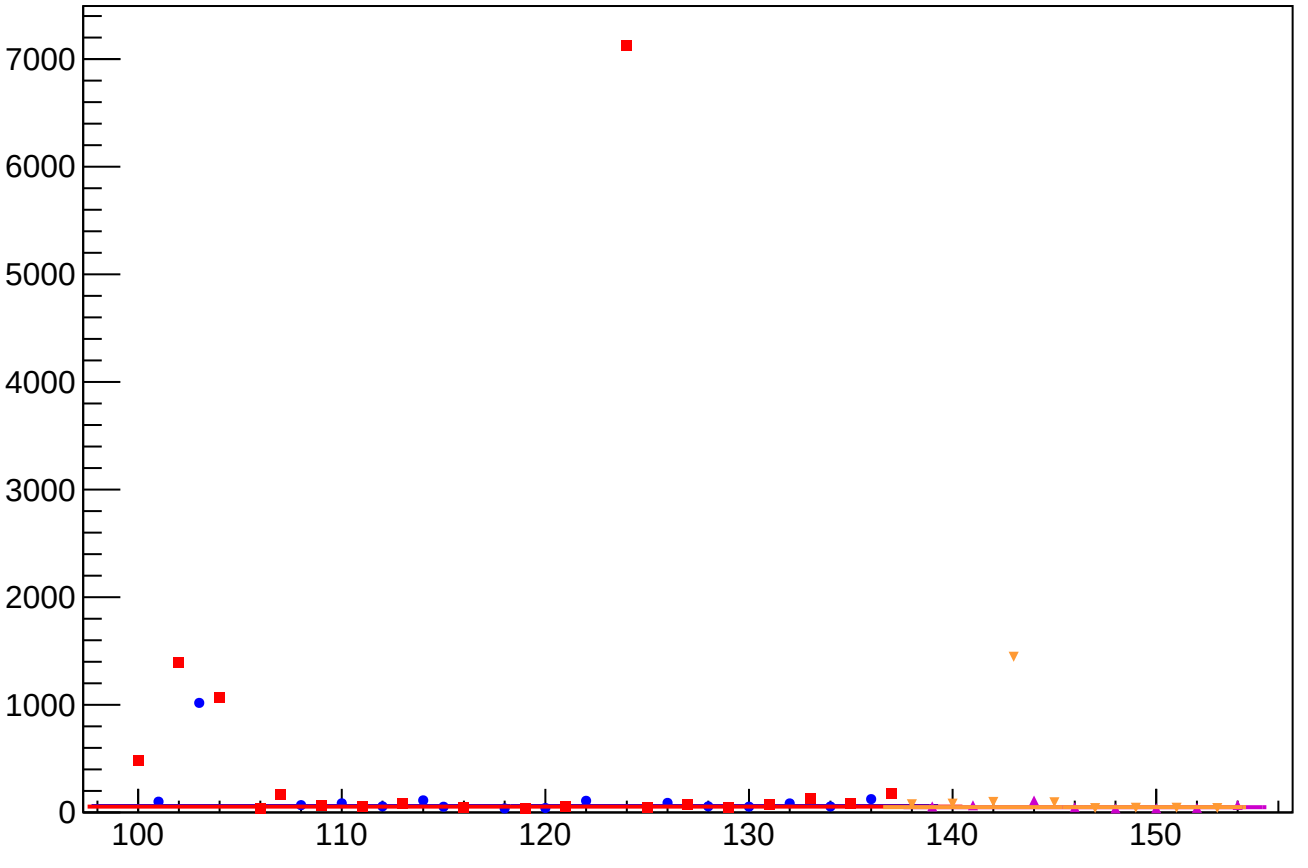
Left: 0.000+/-0.015 χ^2/NDF: 30.1/16

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.016+/-0.016 χ^2/NDF:18.0/23

Out: 0.013+/-0.017 χ^2/NDF:39.8/27

All: -0.002+/-0.012 χ^2/NDF: 59.3/51



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: 48.958+/-0.015 χ^2/NDF:1038475.4/7

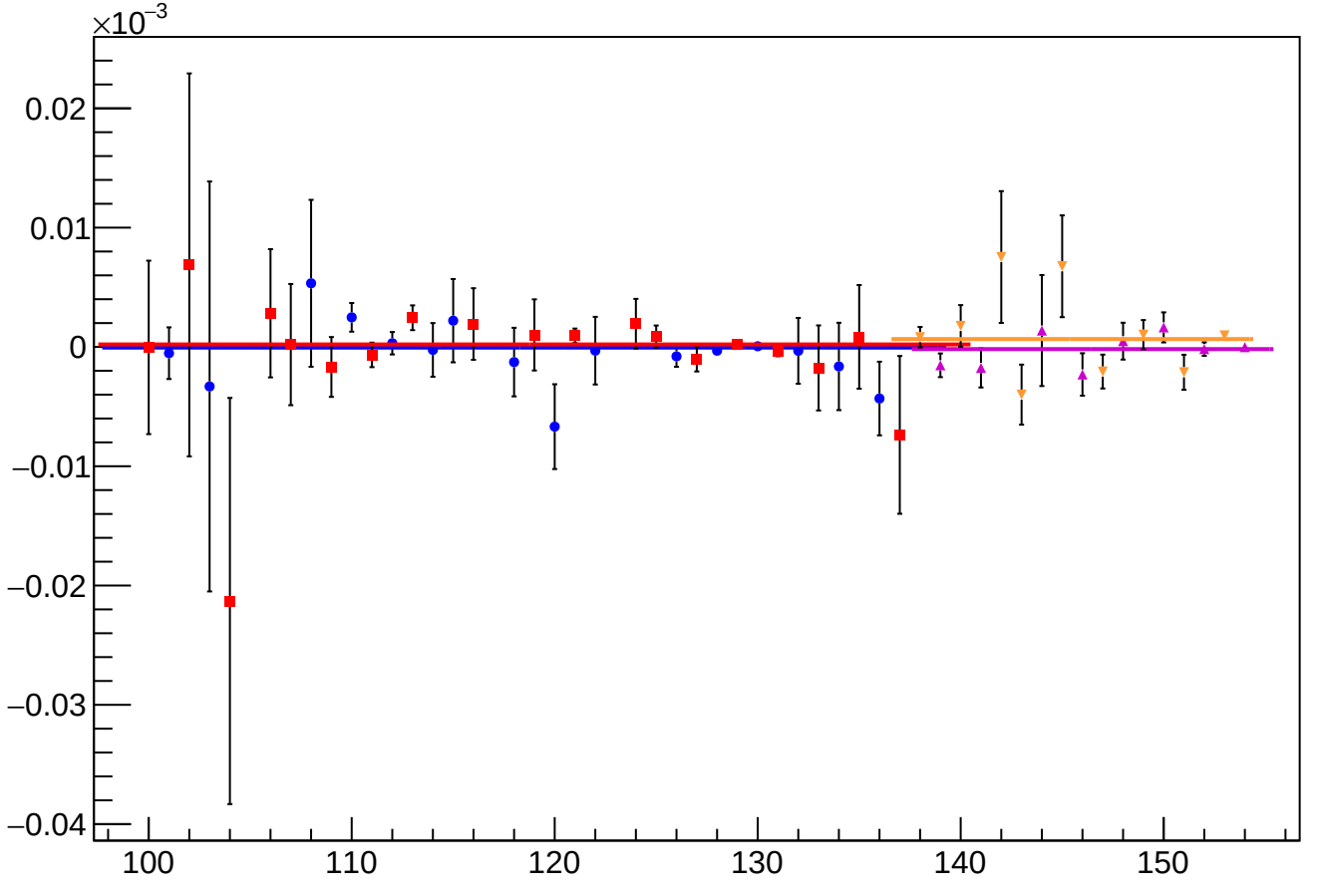
Left: 49.176+/-0.011 χ^2/NDF: 3653456.0/16

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 53.050+/-0.012 χ^2/NDF:3784356.1/23

Out: 51.495+/-0.012 χ^2/NDF:6175916.1/27

All: 52.296+/-0.008 χ^2/NDF: 9968999.9/51



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:6.8/7

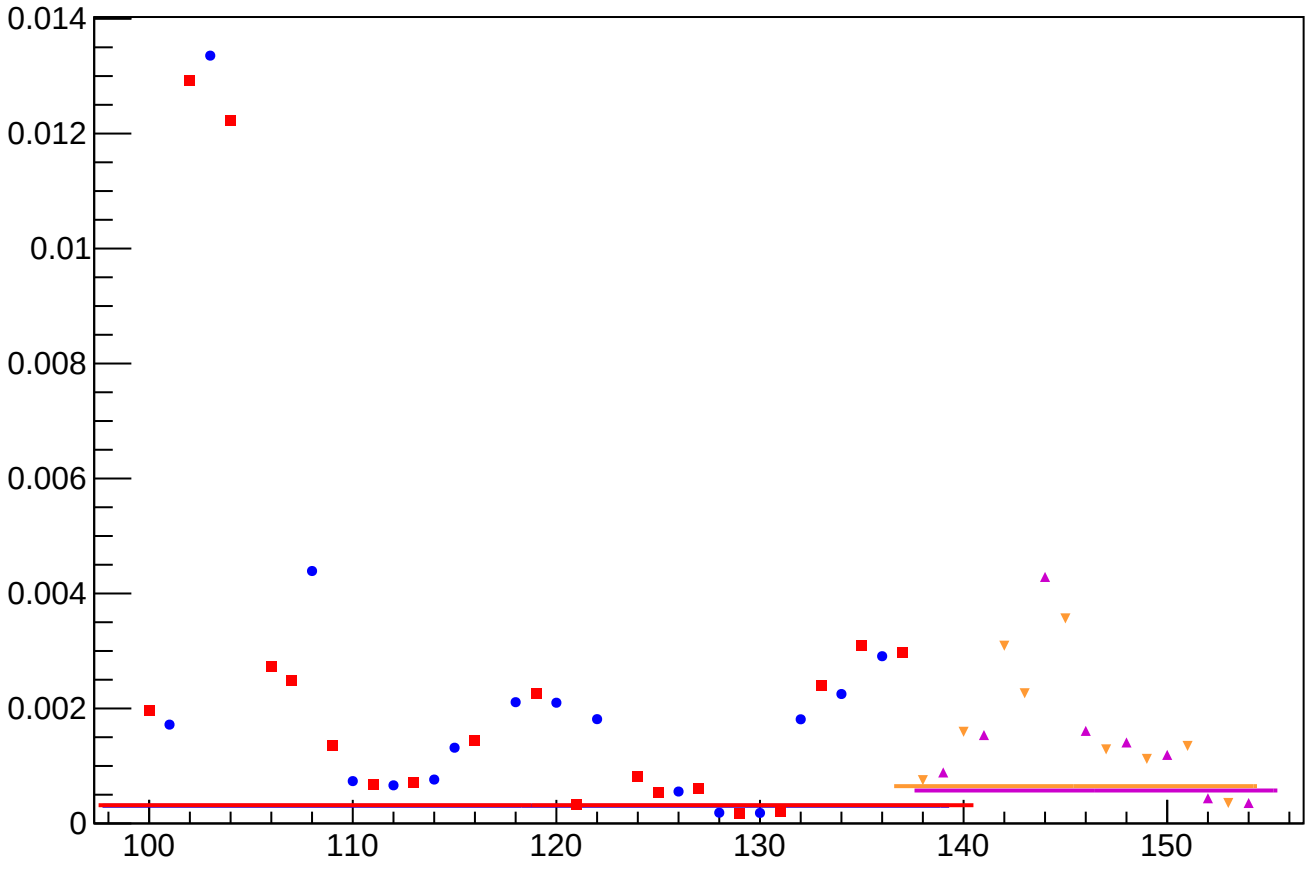
Left: 0.000+/-0.000 χ^2/NDF: 26.2/16

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:19.8/23

Out: 0.000+/-0.000 χ^2/NDF:32.6/27

All: 0.000+/-0.000 χ^2/NDF: 55.8/51



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:4679684.6/7

Left: 0.001+/-0.000 χ^2/NDF: 9784789.7/16

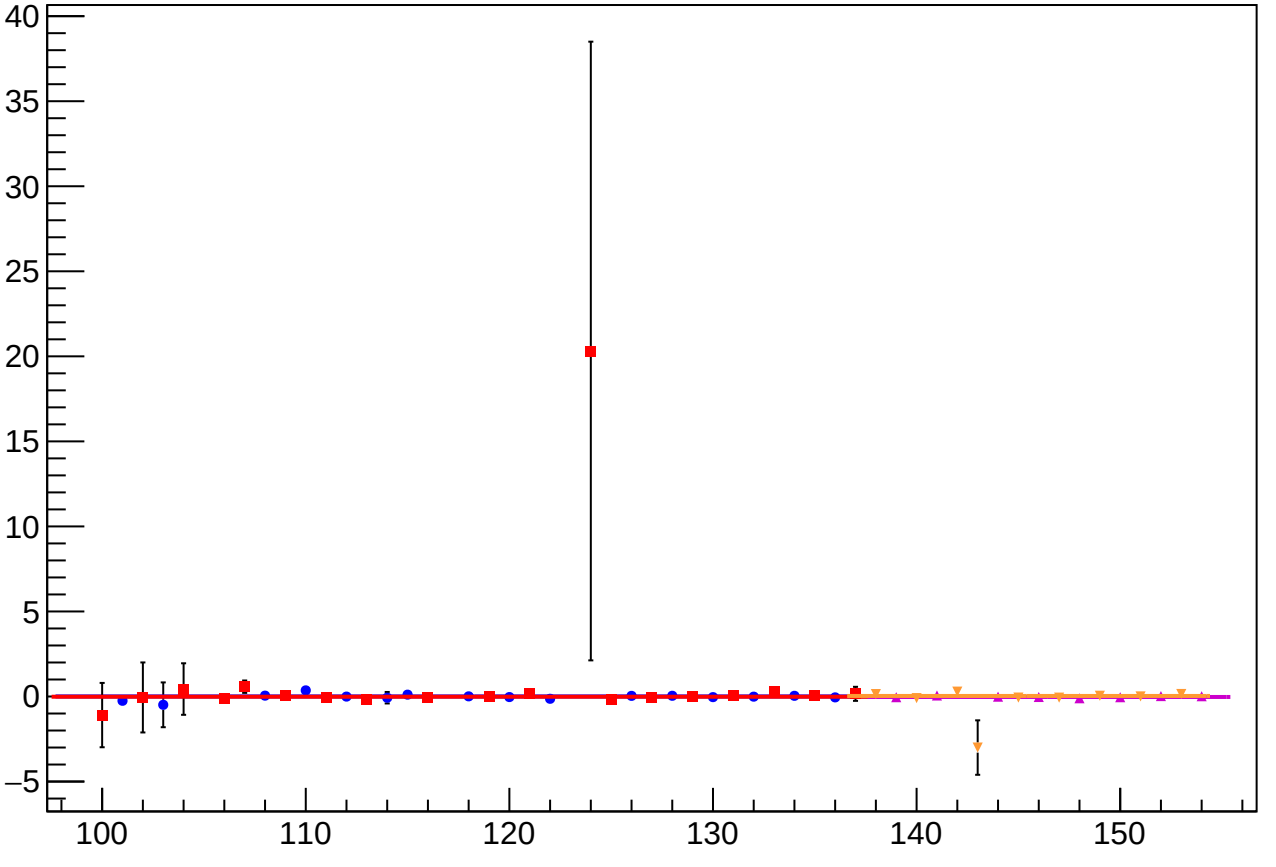
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:14651026.9/23

Out: 0.000+/-0.000 χ^2/NDF:14666516.5/27

All: 0.000+/-0.000 χ^2/NDF: 29324259.3/51

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: -0.028+/-0.021 χ^2/NDF:5.7/7

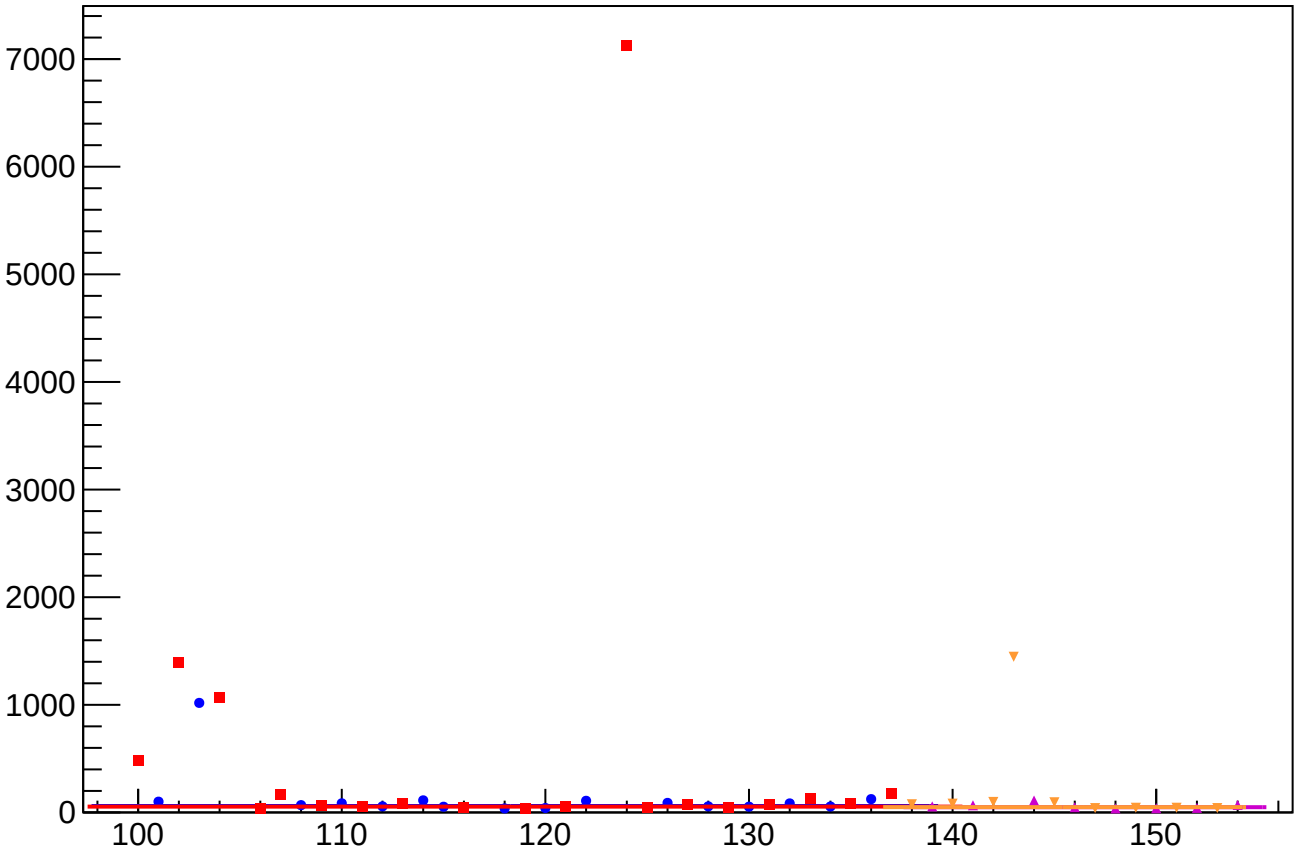
Left: 0.000+/-0.015 χ^2/NDF: 30.1/16

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.016+/-0.016 χ^2/NDF:18.0/23

Out: 0.013+/-0.017 χ^2/NDF:39.8/27

All: -0.002+/-0.012 χ^2/NDF: 59.3/51



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: 48.958+/-0.015 χ^2/NDF:1038476.4/7

Left: 49.177+/-0.011 χ^2/NDF: 3653440.2/16

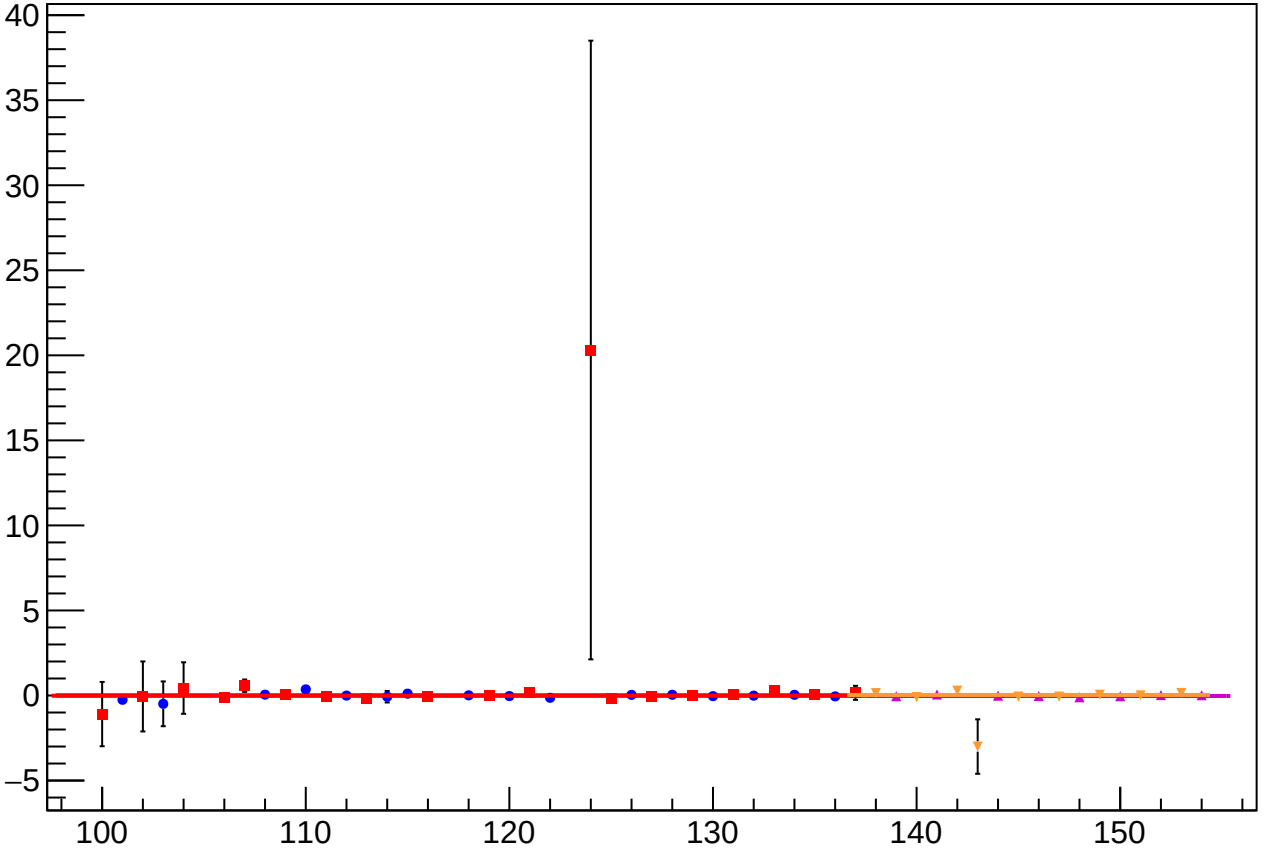
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 53.050+/-0.012 χ^2/NDF:3784363.7/23

Out: 51.495+/-0.012 χ^2/NDF:6175937.9/27

All: 52.296+/-0.008 χ^2/NDF: 9969031.9/51

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: -0.028+/-0.021 χ^2/NDF:5.7/7

Left: 0.000+/-0.015 χ^2/NDF: 30.1/16

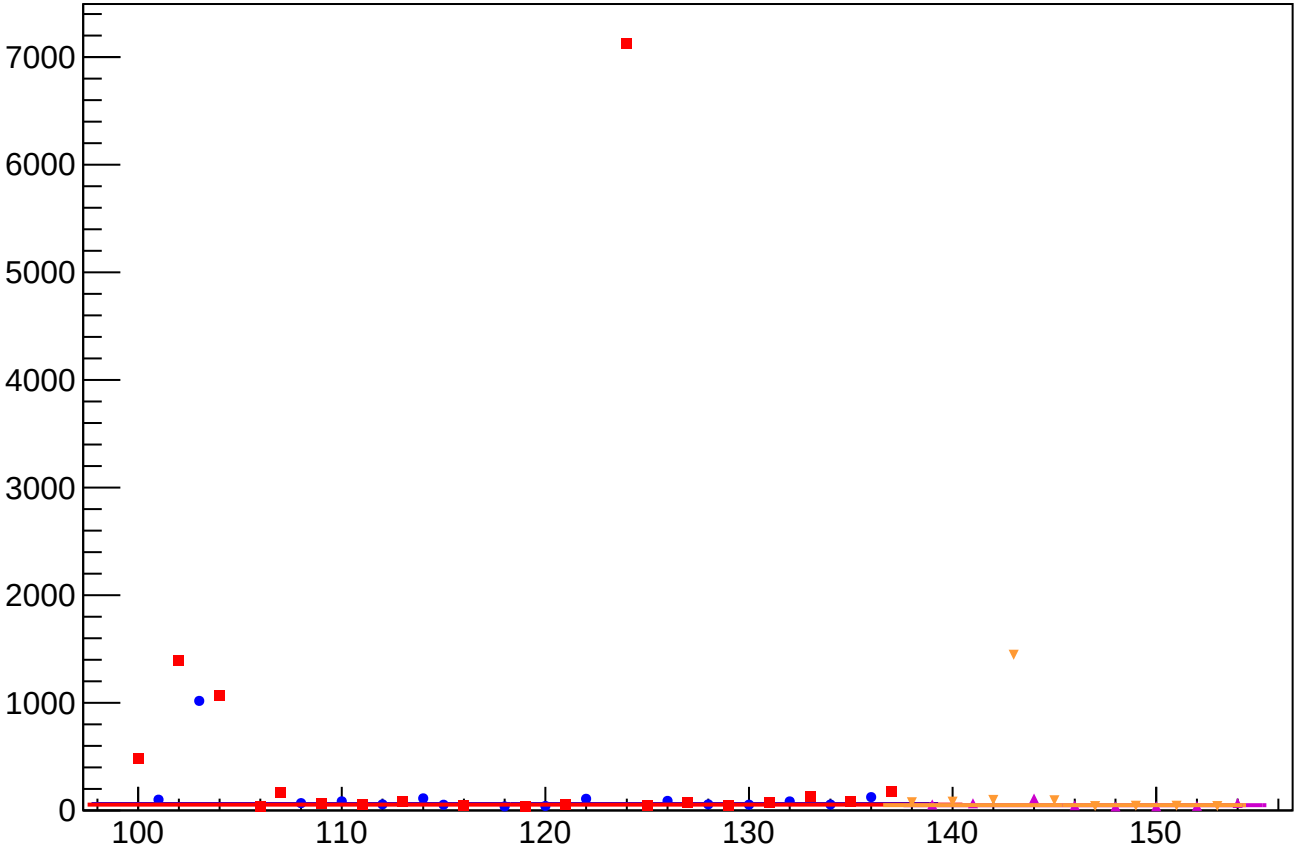
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.016+/-0.016 χ^2/NDF:18.0/23

Out: 0.013+/-0.017 χ^2/NDF:39.8/27

All: -0.002+/-0.012 χ^2/NDF: 59.3/51

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: 48.958+/-0.015 χ^2/NDF:1038476.4/7

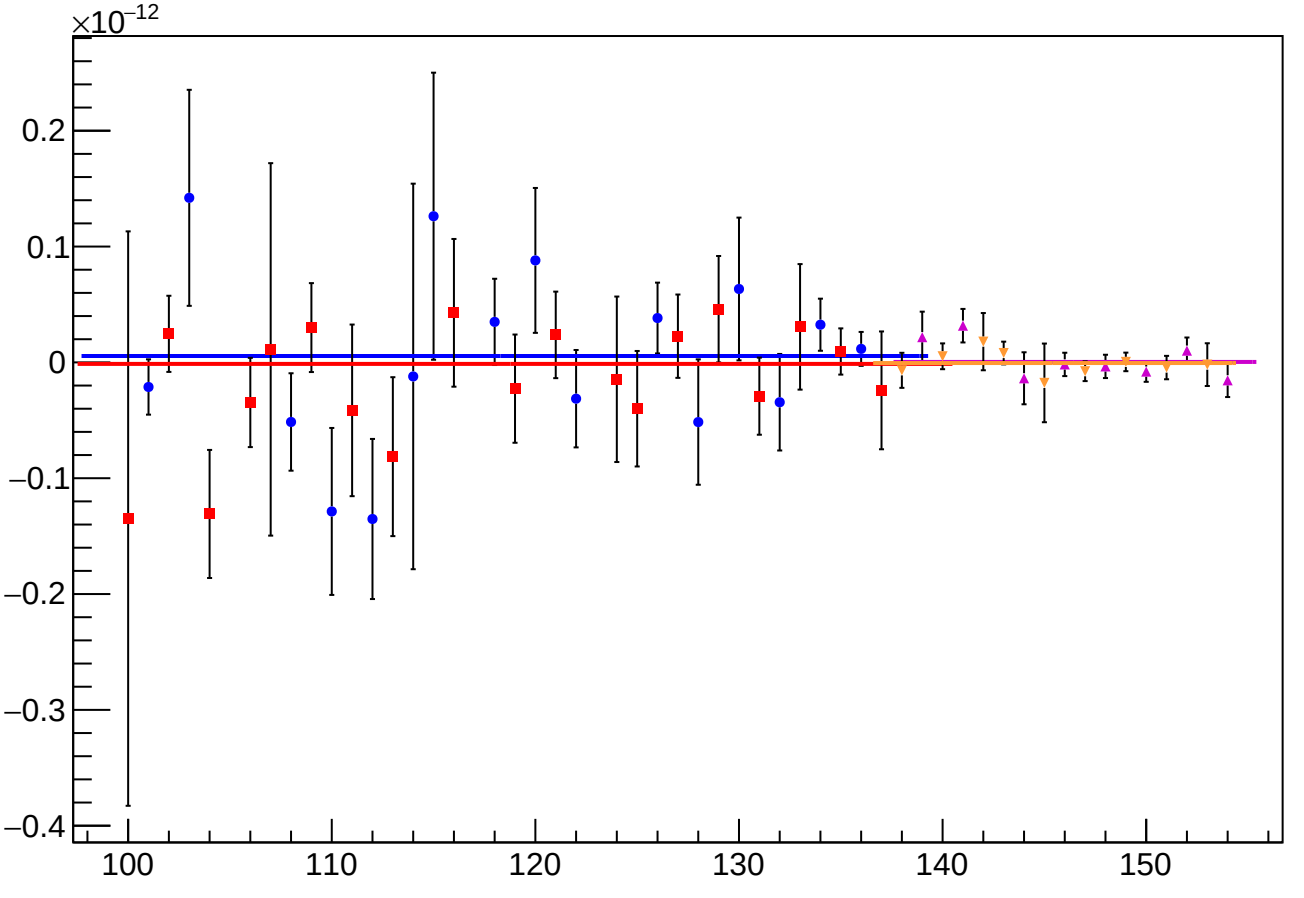
Left: 49.177+/-0.011 χ^2/NDF: 3653440.2/16

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 53.050+/-0.012 χ^2/NDF:3784363.7/23

Out: 51.495+/-0.012 χ^2/NDF:6175937.9/27

All: 52.296+/-0.008 χ^2/NDF: 9969031.9/51



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:9.0/7

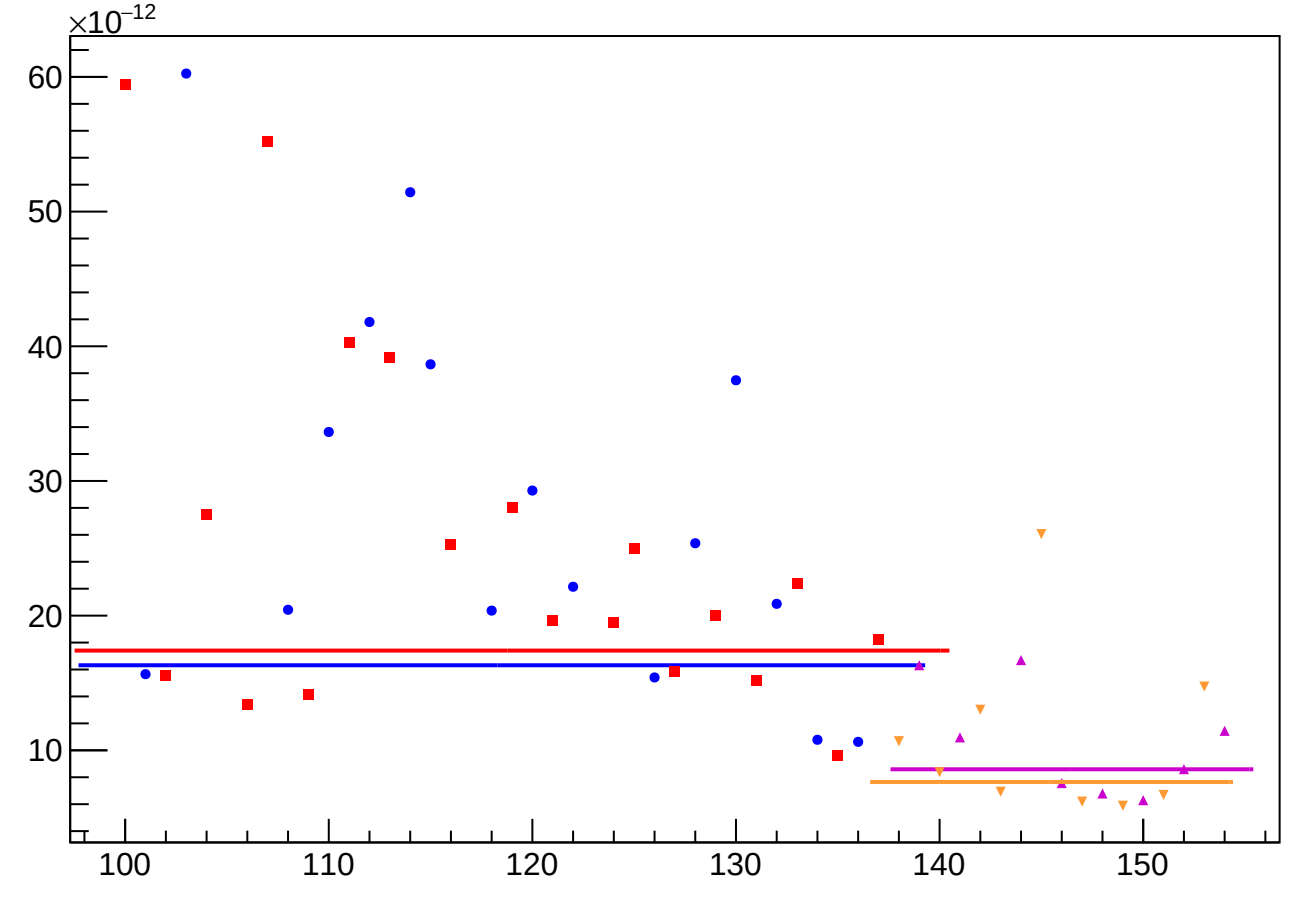
Left: -0.000+/-0.000 χ^2/NDF: 12.0/16

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:31.9/23

Out: -0.000+/-0.000 χ^2/NDF:17.2/27

All: 0.000+/-0.000 χ^2/NDF: 49.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1249396.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:858175.1/7

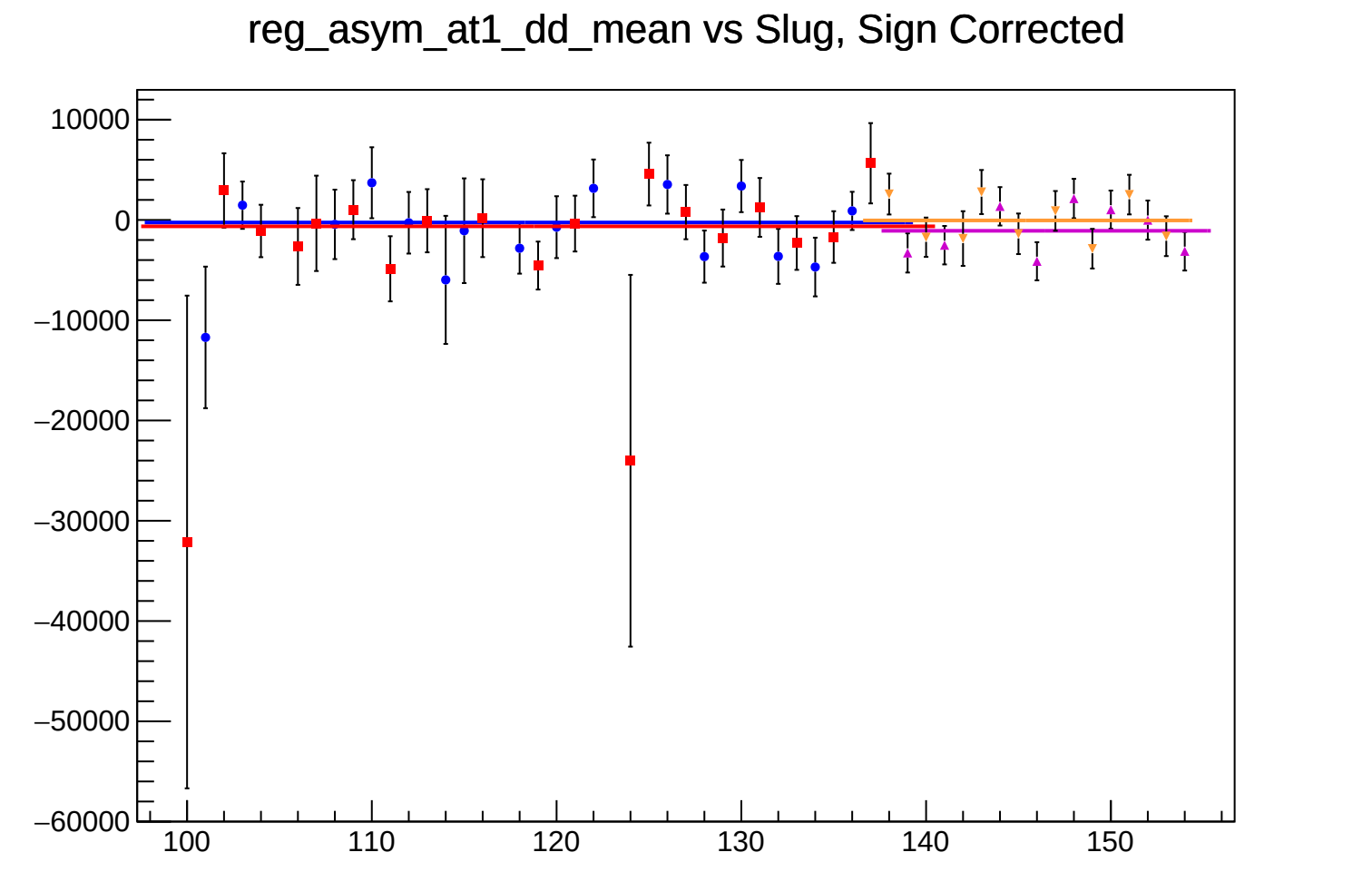
Left: 0.000+/-0.000 χ^2/NDF: 2160475.8/16

Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:4032043.8/23

Out: 0.000+/-0.000 χ^2/NDF:4169627.0/27

All: 0.000+/-0.000 χ^2/NDF: 8299495.6/51



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: -1082.179+/-682.388 χ^2/NDF:11.3/7

Left: -569.843+/-484.818 χ^2/NDF: 22.0/16

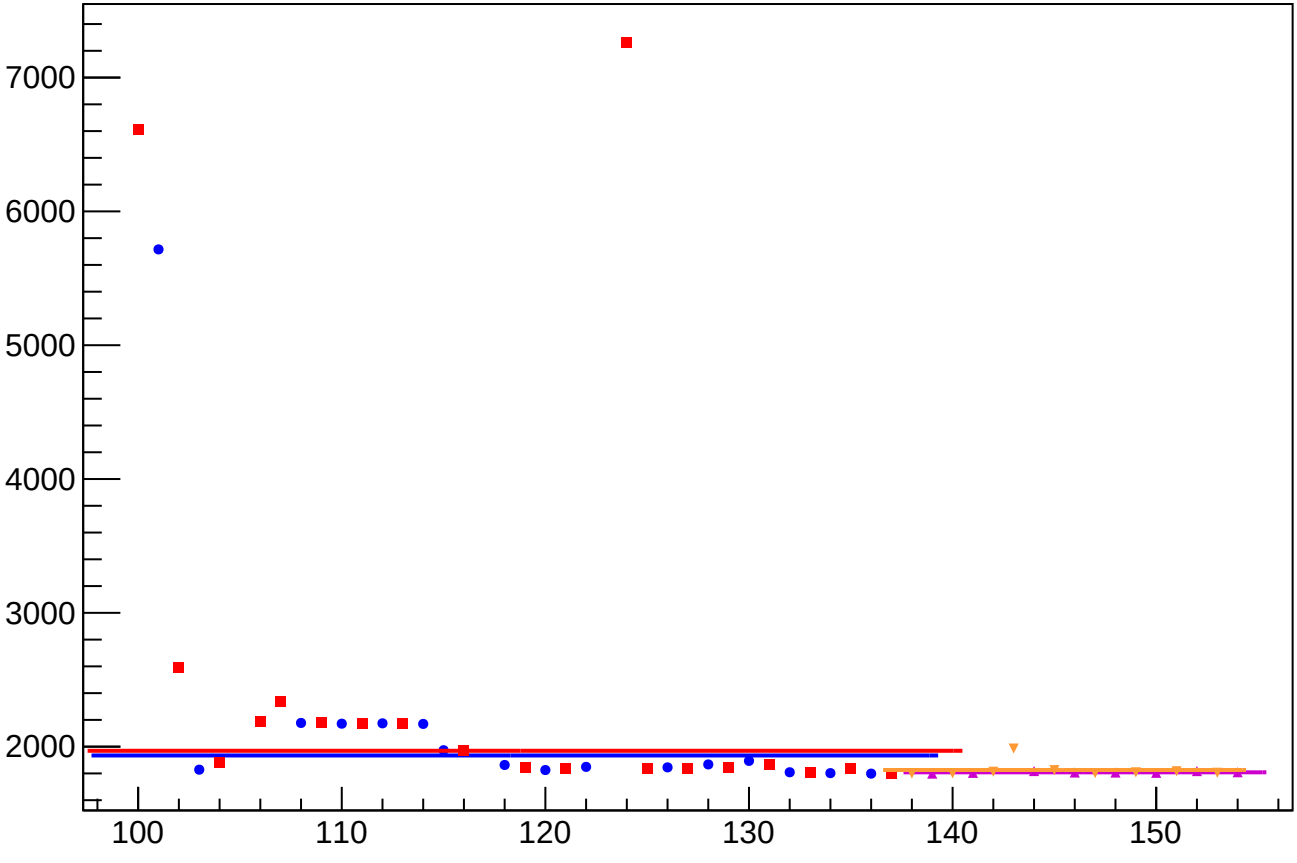
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -697.600+/-500.123 χ^2/NDF:29.3/23

Out: -322.650+/-502.798 χ^2/NDF:25.8/27

All: -511.125+/-354.582 χ^2/NDF: 55.3/51

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: 1808.202+/-0.483 χ^2/NDF:158.7/7

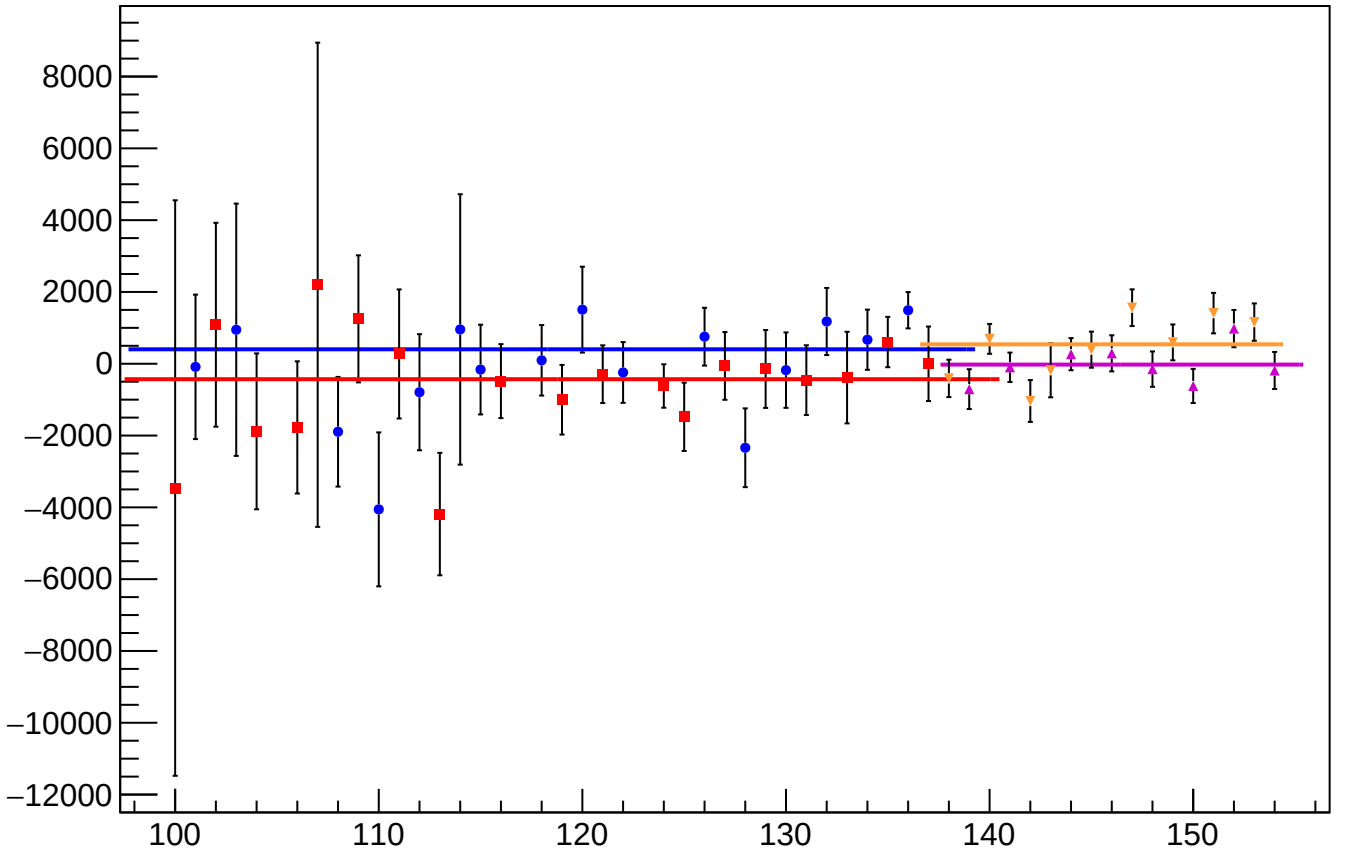
Left: 1816.825+/-0.343 χ^2/NDF: 12845.3/16

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1866.529+/-0.354 χ^2/NDF:671647.4/23

Out: 1892.722+/-0.356 χ^2/NDF:431025.2/27

All: 1879.555+/-0.251 χ^2/NDF: 1105401.1/51



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: -23.544+/-171.049 χ^2/NDF:7.8/7

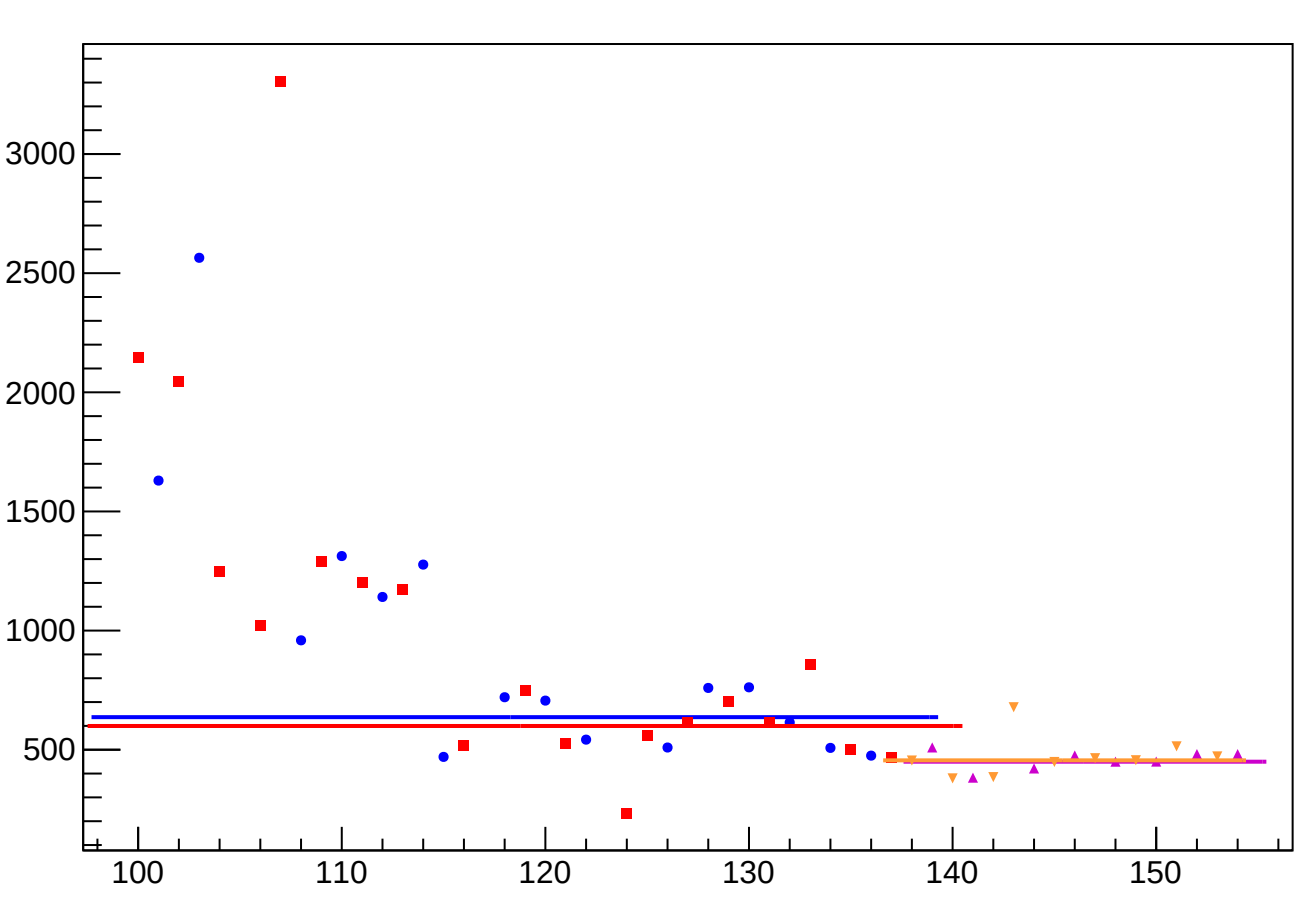
Left: 253.146+/-122.184 χ^2/NDF: 32.7/16

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 106.179+/-142.660 χ^2/NDF:30.8/23

Out: 227.725+/-143.666 χ^2/NDF:41.3/27

All: 166.525+/-101.230 χ^2/NDF: 72.5/51



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: 449.752+/-0.121 χ^2/NDF:105504.4/7

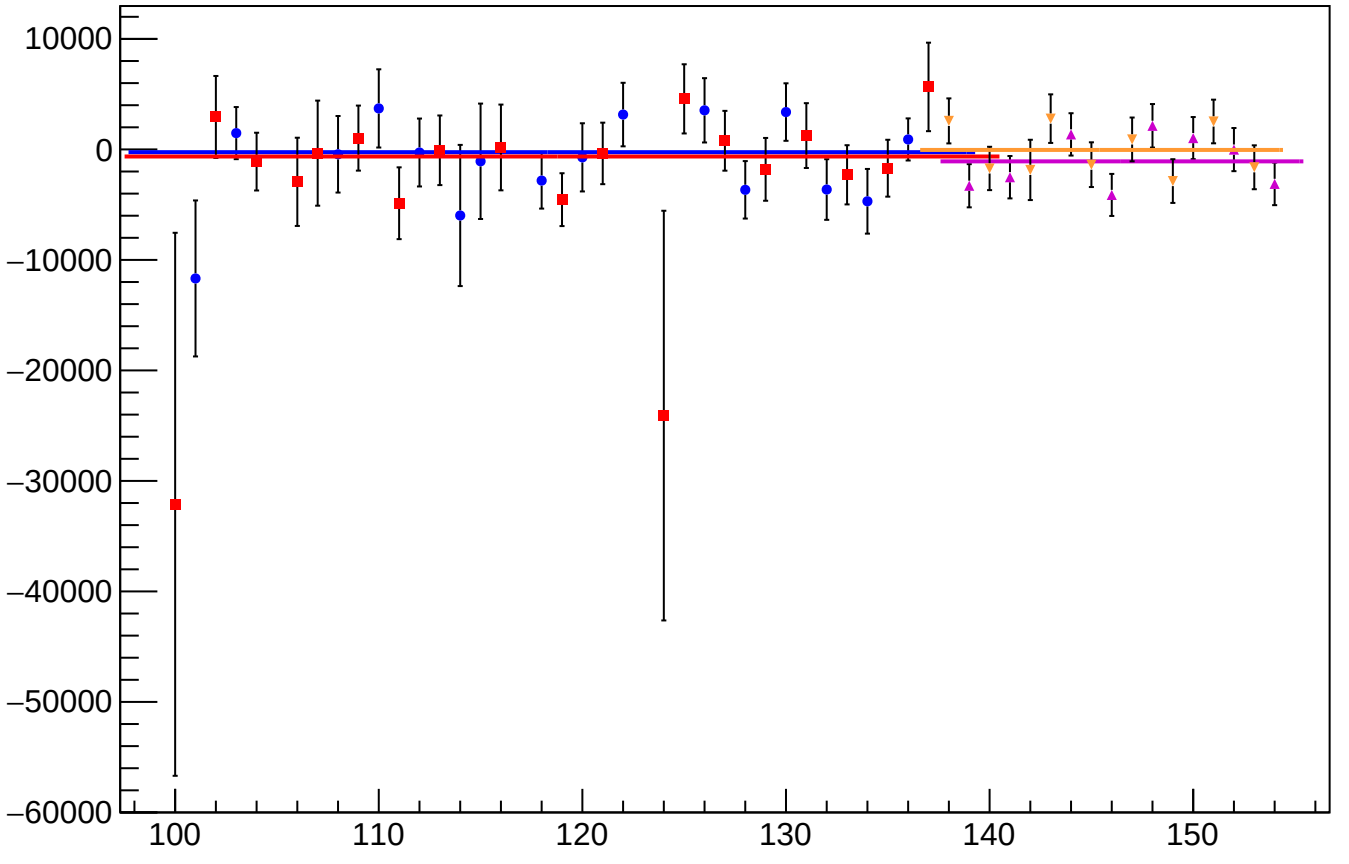
Left: 452.515+/-0.086 χ^2/NDF: 401352.4/16

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 506.657+/-0.101 χ^2/NDF:2899617.0/23

Out: 501.969+/-0.102 χ^2/NDF:3679636.3/27

All: 504.330+/-0.072 χ^2/NDF: 6580325.7/51



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: -1082.145+/-682.388 χ^2/NDF:11.3/7

Left: -569.874+/-484.818 χ^2/NDF: 22.0/16

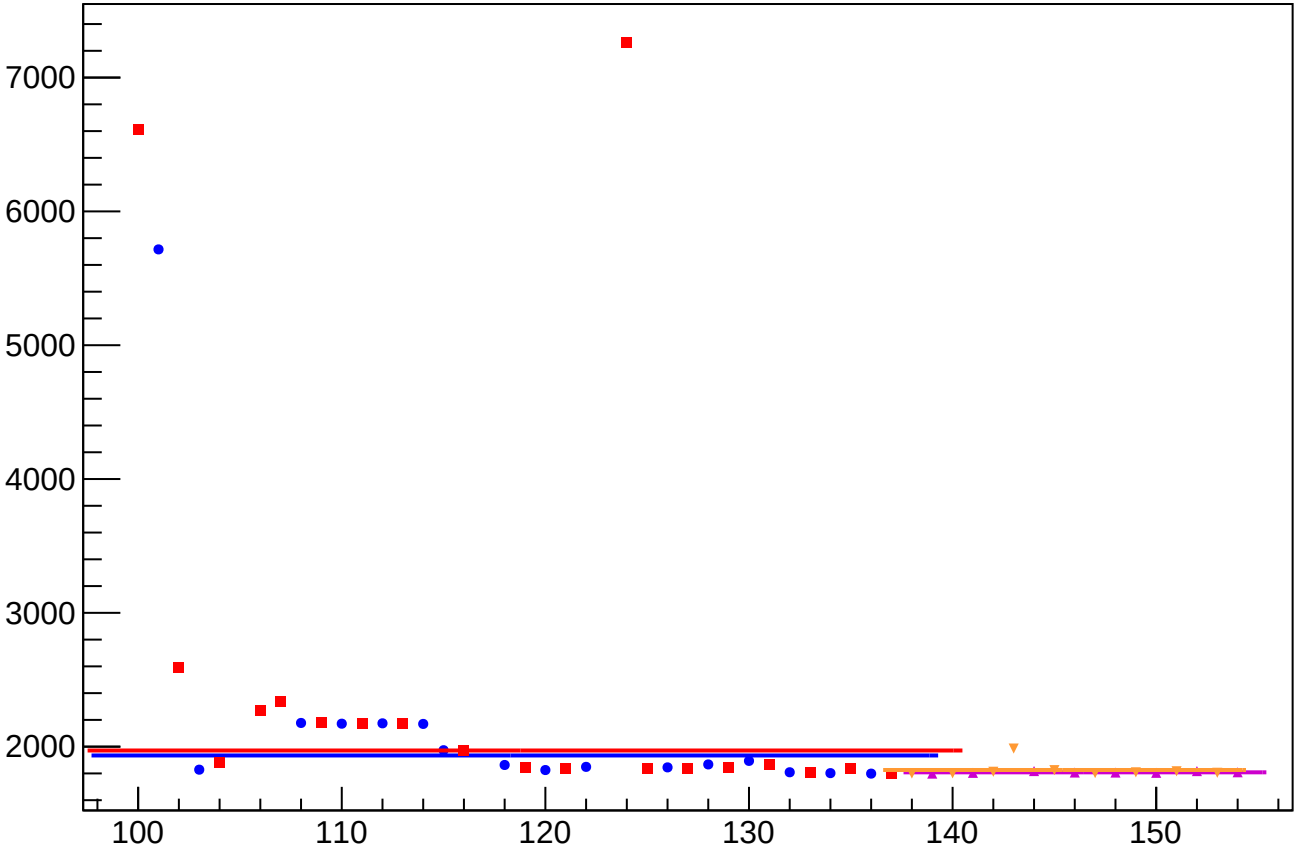
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -697.207+/-500.123 χ^2/NDF:29.2/23

Out: -324.506+/-503.140 χ^2/NDF:25.8/27

All: -511.978+/-354.702 χ^2/NDF: 55.3/51

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: 1808.202+/-0.483 χ^2/NDF:158.7/7

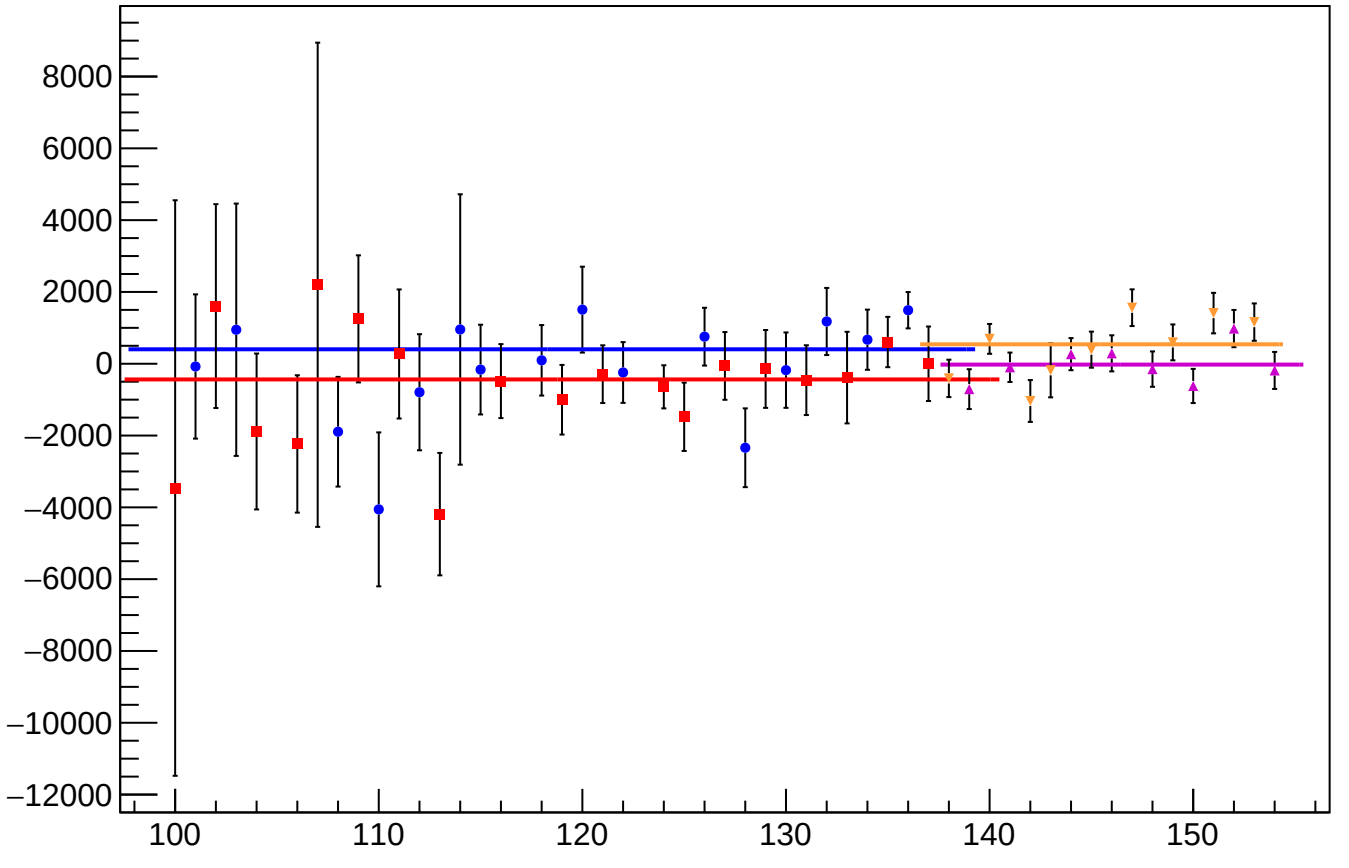
Left: 1816.825+/-0.343 χ^2/NDF: 12845.3/16

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1866.529+/-0.354 χ^2/NDF:671647.3/23

Out: 1893.623+/-0.356 χ^2/NDF:436984.7/27

All: 1879.994+/-0.251 χ^2/NDF: 1111549.3/51



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: -23.562+/-171.046 χ^2/NDF:7.8/7

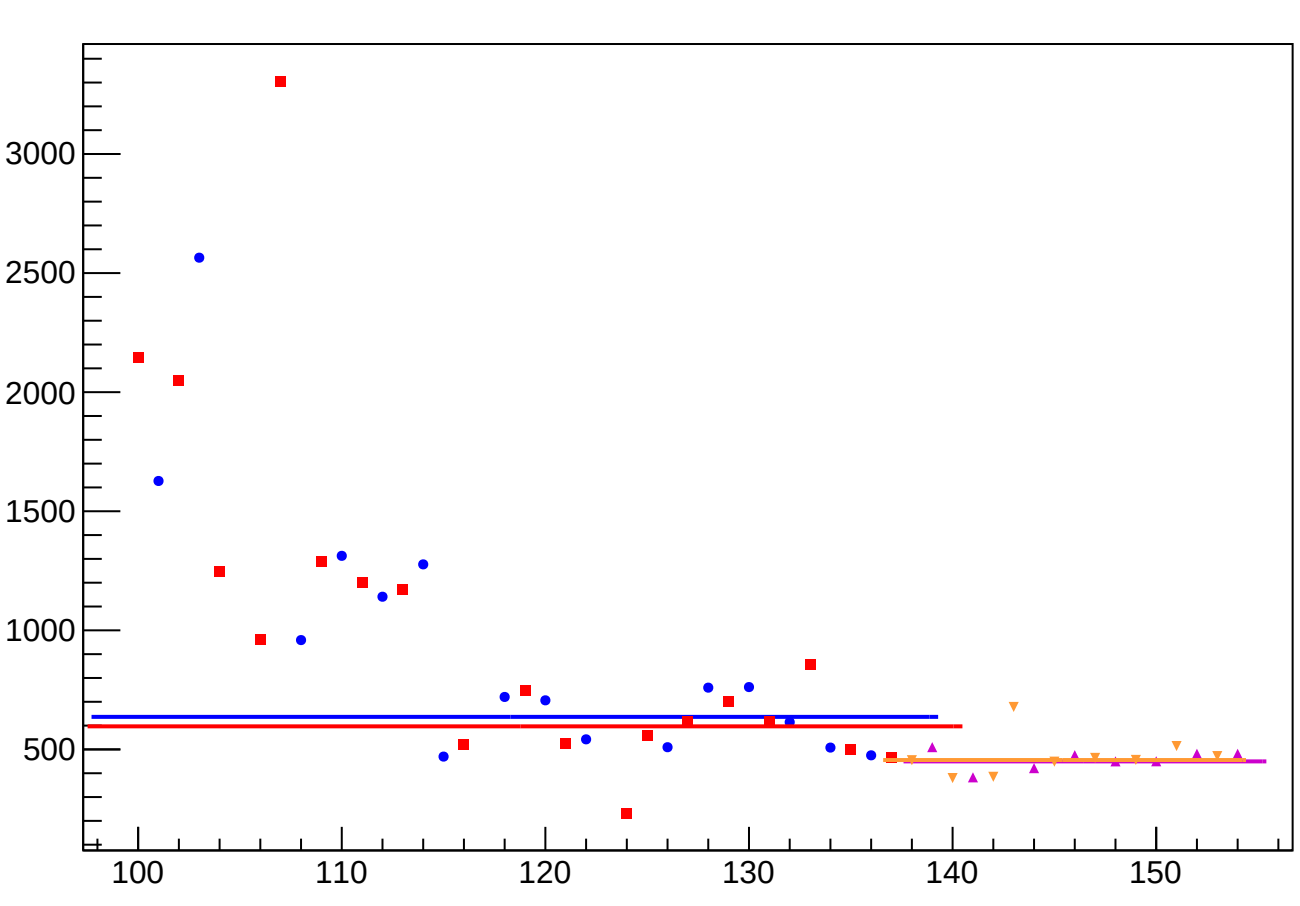
Left: 253.101+/-122.183 χ^2/NDF: 32.8/16

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 106.194+/-142.656 χ^2/NDF:30.9/23

Out: 225.288+/-143.639 χ^2/NDF:42.1/27

All: 165.332+/-101.219 χ^2/NDF: 73.3/51



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: 449.743+/-0.121 χ^2/NDF:105498.4/7

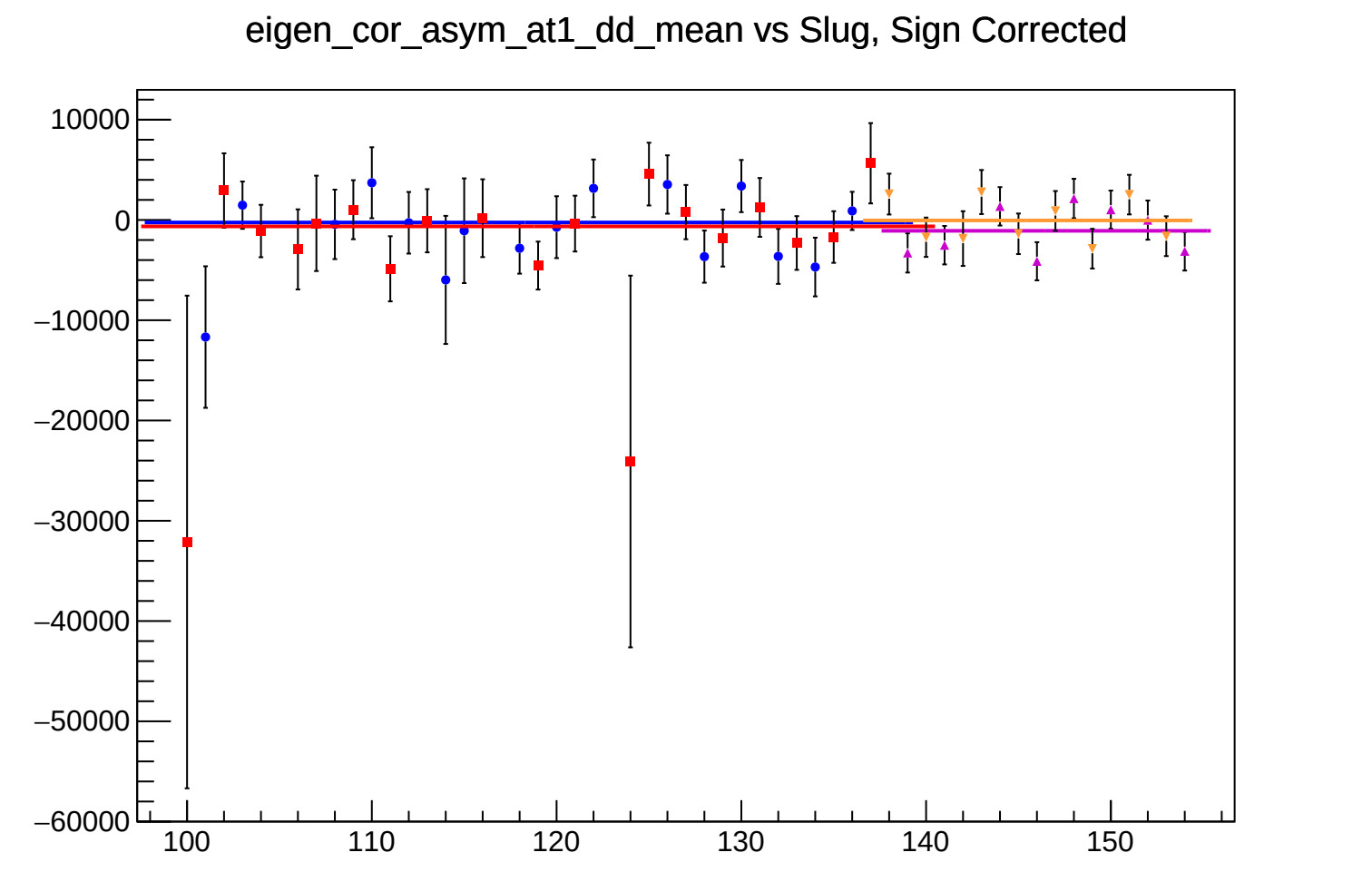
Left: 452.514+/-0.086 χ^2/NDF: 401299.0/16

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 506.653+/-0.101 χ^2/NDF:2898844.6/23

Out: 501.117+/-0.102 χ^2/NDF:3649469.9/27

All: 503.904+/-0.072 χ^2/NDF: 6549810.0/51



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: -1082.145+/-682.388 χ^2/NDF:11.3/7

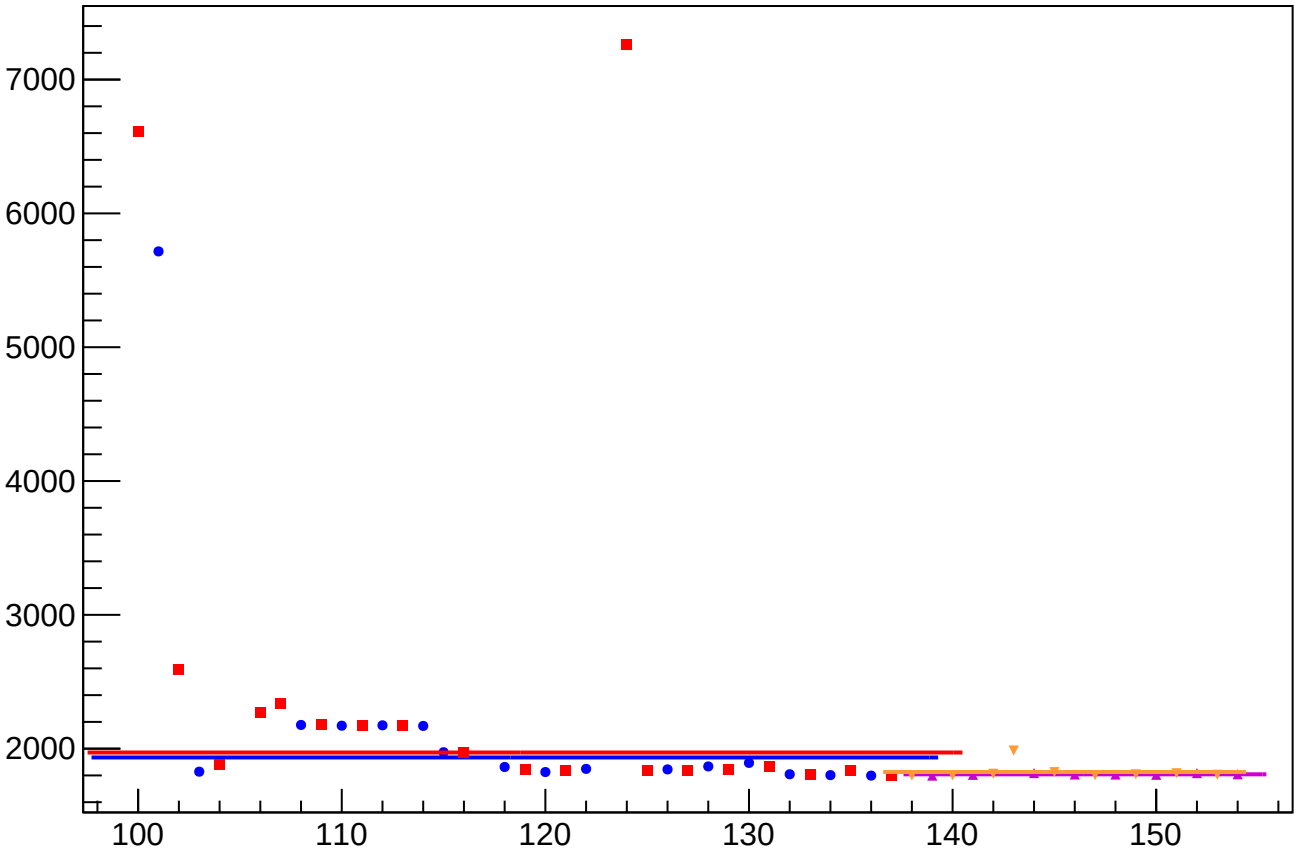
Left: -569.874+/-484.818 χ^2/NDF: 22.0/16

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -697.207+/-500.123 χ^2/NDF:29.2/23

Out: -324.506+/-503.140 χ^2/NDF:25.8/27

All: -511.978+/-354.702 χ^2/NDF: 55.3/51



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: 1808.202+/-0.483 χ^2/NDF:158.7/7

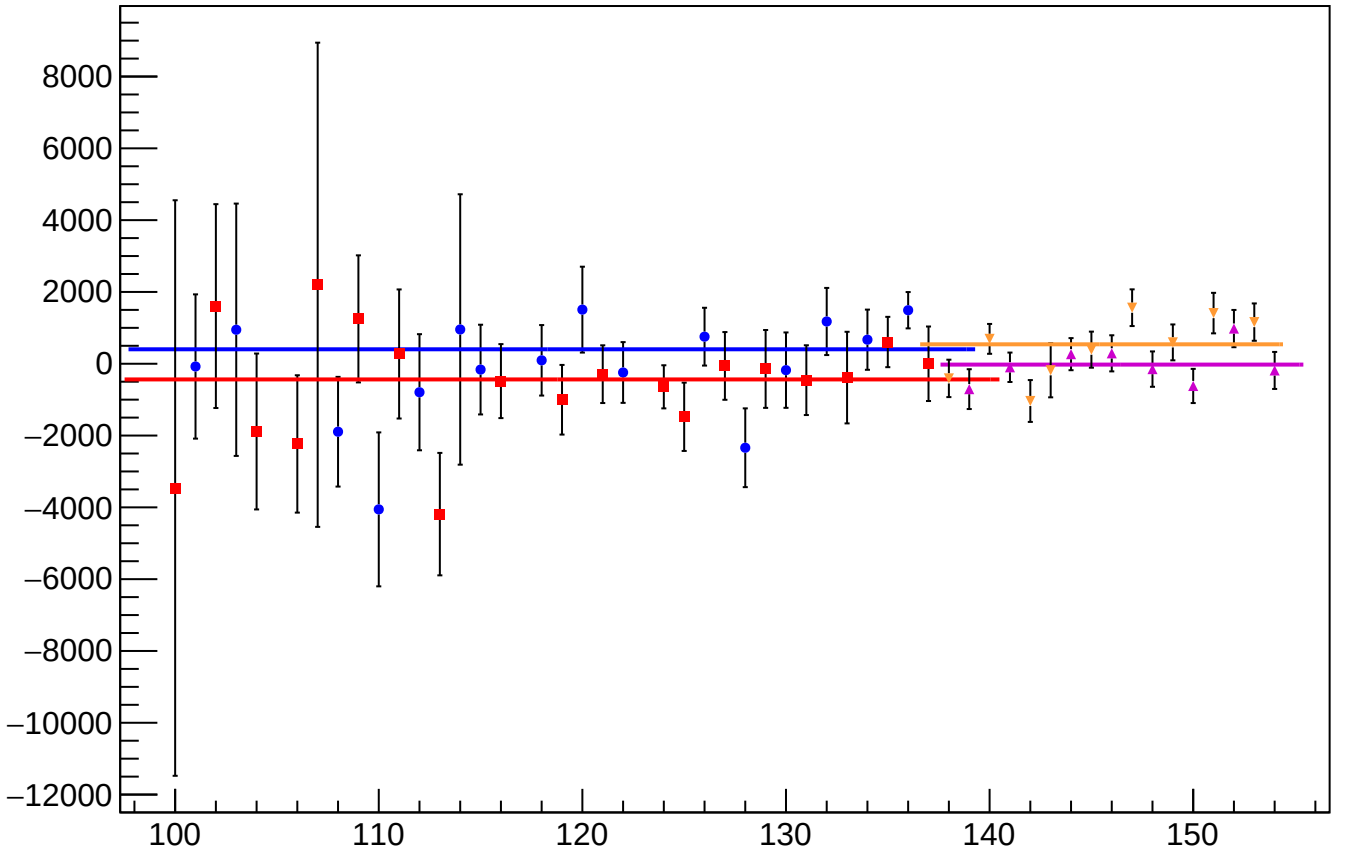
Left: 1816.825+/-0.343 χ^2/NDF: 12845.3/16

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1866.529+/-0.354 χ^2/NDF:671647.3/23

Out: 1893.623+/-0.356 χ^2/NDF:436984.7/27

All: 1879.994+/-0.251 χ^2/NDF: 1111549.3/51



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: -23.562+/-171.046 χ^2/NDF:7.8/7

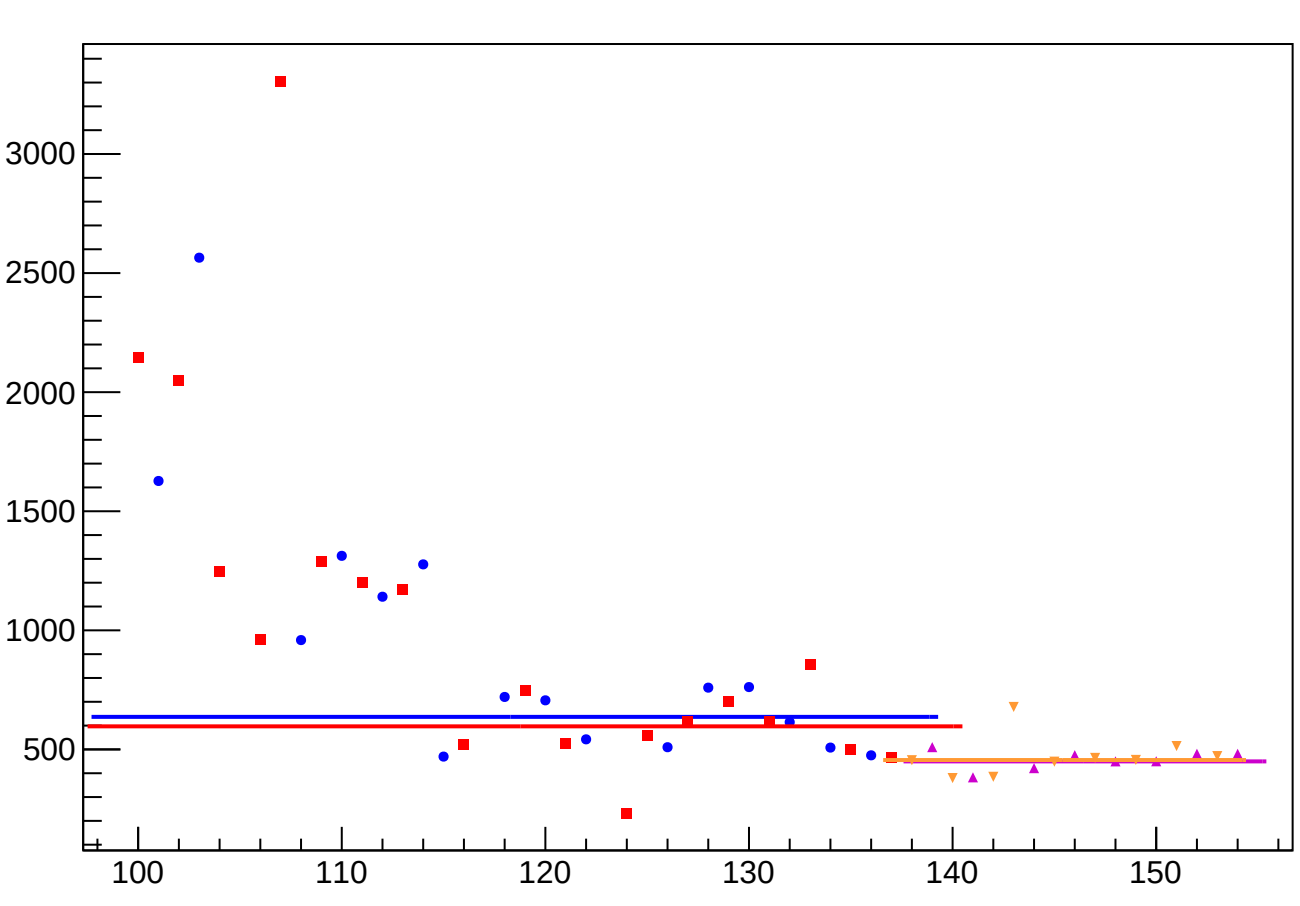
Left: 253.101+/-122.183 χ^2/NDF: 32.8/16

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 106.194+/-142.656 χ^2/NDF:30.9/23

Out: 225.288+/-143.639 χ^2/NDF:42.1/27

All: 165.332+/-101.219 χ^2/NDF: 73.3/51



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: 449.743+/-0.121 χ^2/NDF:105498.4/7

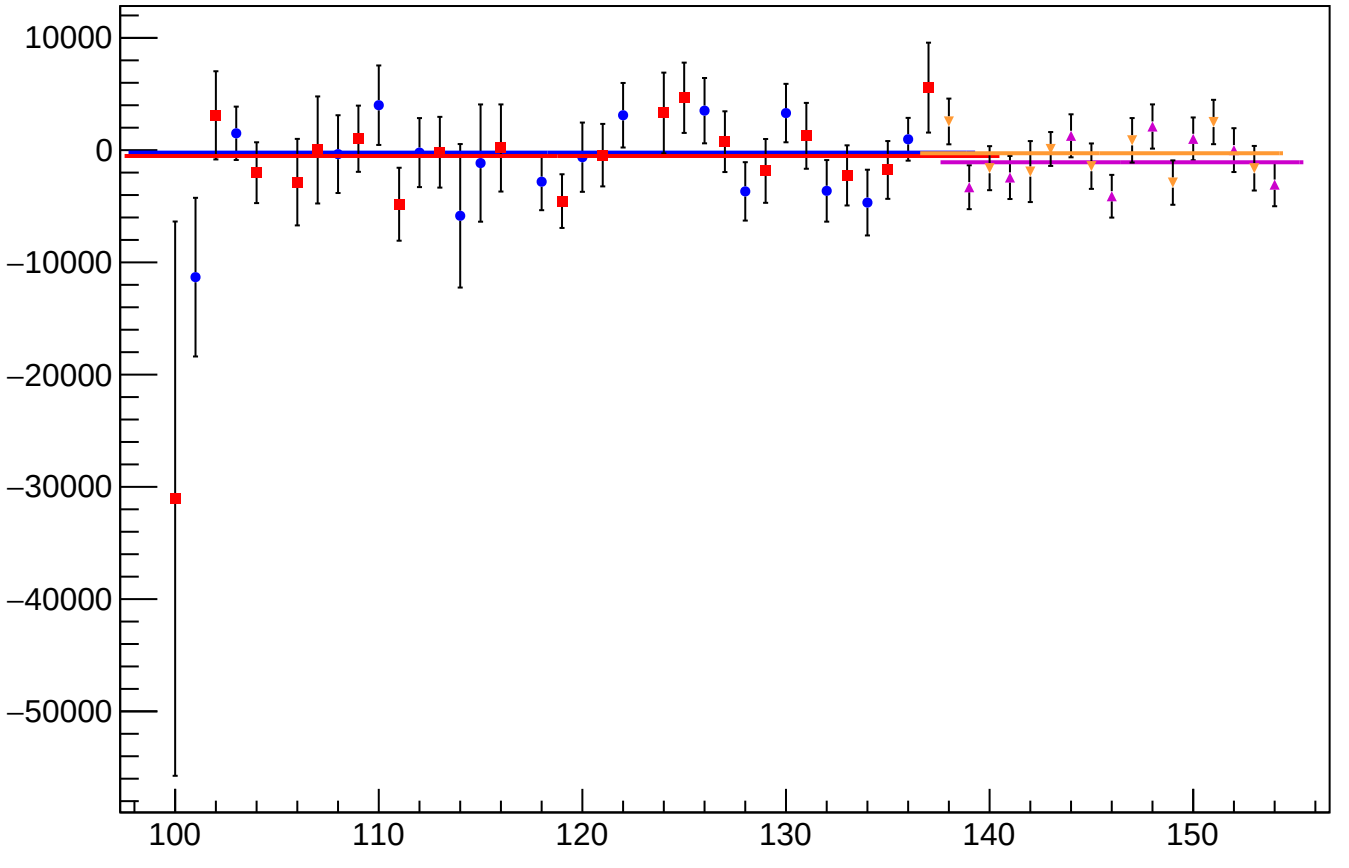
Left: 452.514+/-0.086 χ^2/NDF: 401299.0/16

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 506.653+/-0.101 χ^2/NDF:2898844.6/23

Out: 501.117+/-0.102 χ^2/NDF:3649469.9/27

All: 503.904+/-0.072 χ^2/NDF: 6549810.0/51



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: -1080.115+/-682.617 χ^2/NDF:11.0/7

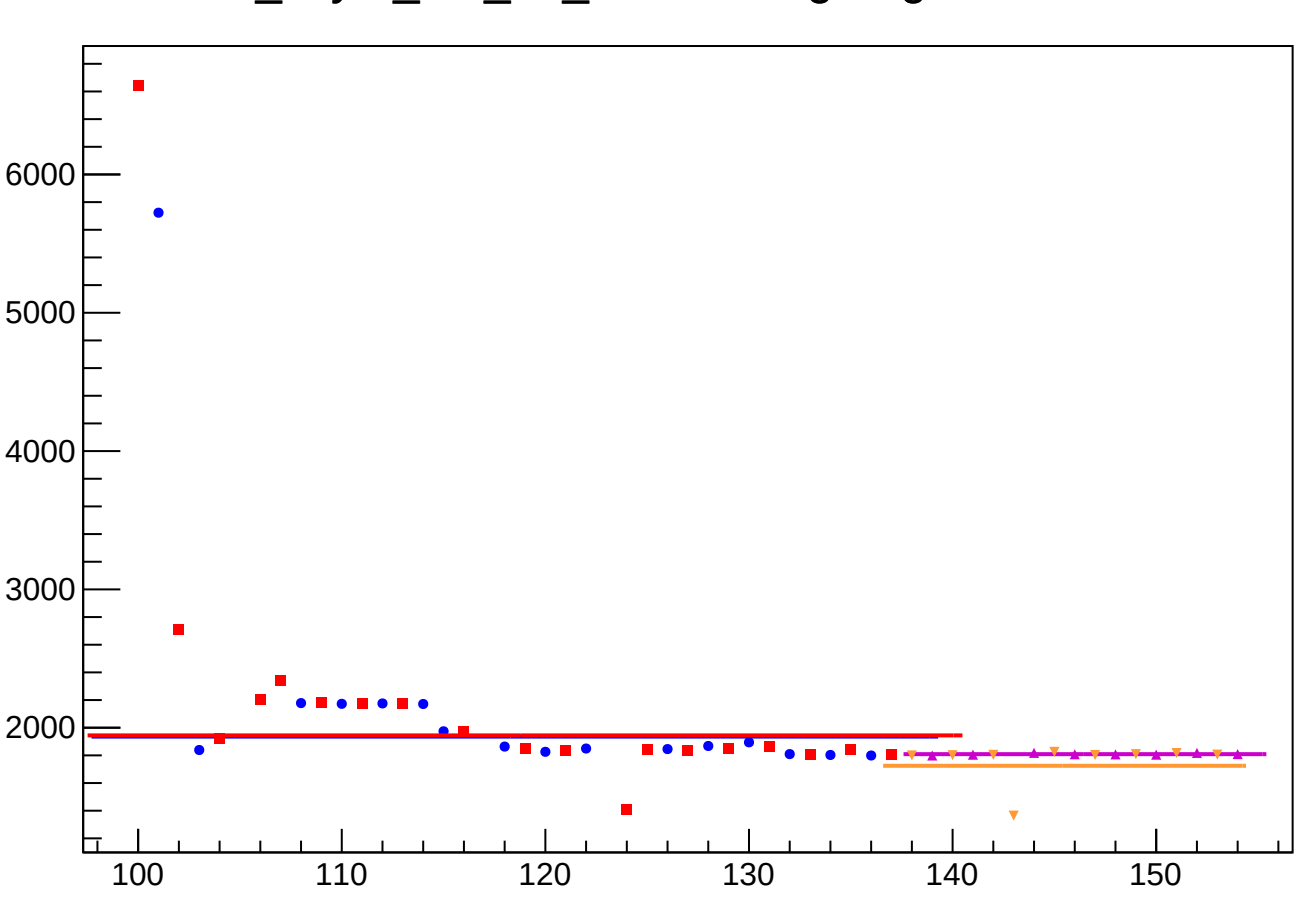
Left: -660.685+/-472.212 χ^2/NDF: 19.4/16

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -682.495+/-500.457 χ^2/NDF:28.9/23

Out: -385.454+/-485.577 χ^2/NDF:23.3/27

All: -529.493+/-348.497 χ^2/NDF: 52.4/51



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: 1808.810+/-0.483 χ^2/NDF:157.9/7

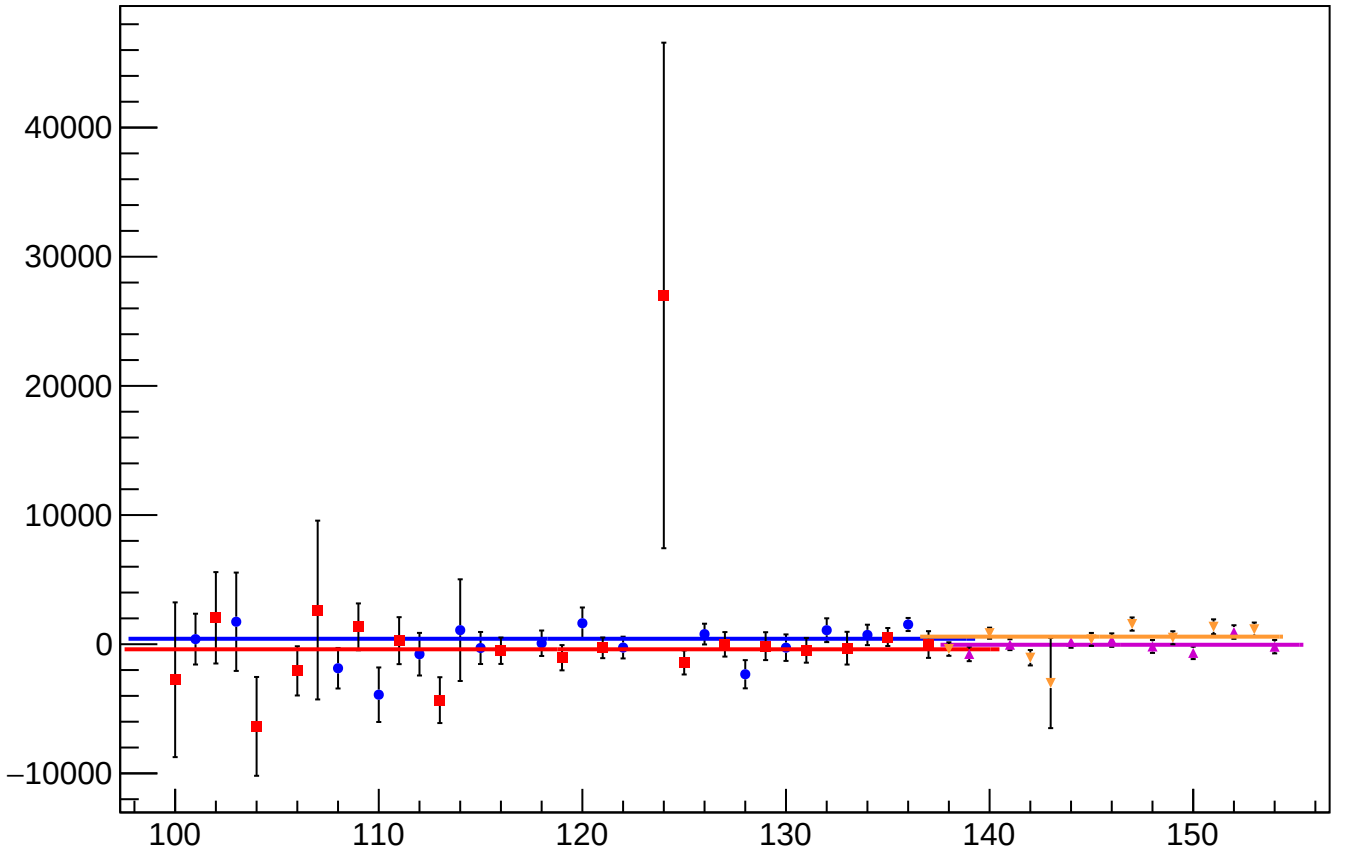
Left: 1765.017+/-0.334 χ^2/NDF: 156604.4/16

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1867.623+/-0.354 χ^2/NDF:672066.7/23

Out: 1823.372+/-0.343 χ^2/NDF:518128.3/27

All: 1844.830+/-0.246 χ^2/NDF: 1198249.2/51



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: -43.299+/-174.260 χ^2/NDF:7.6/7

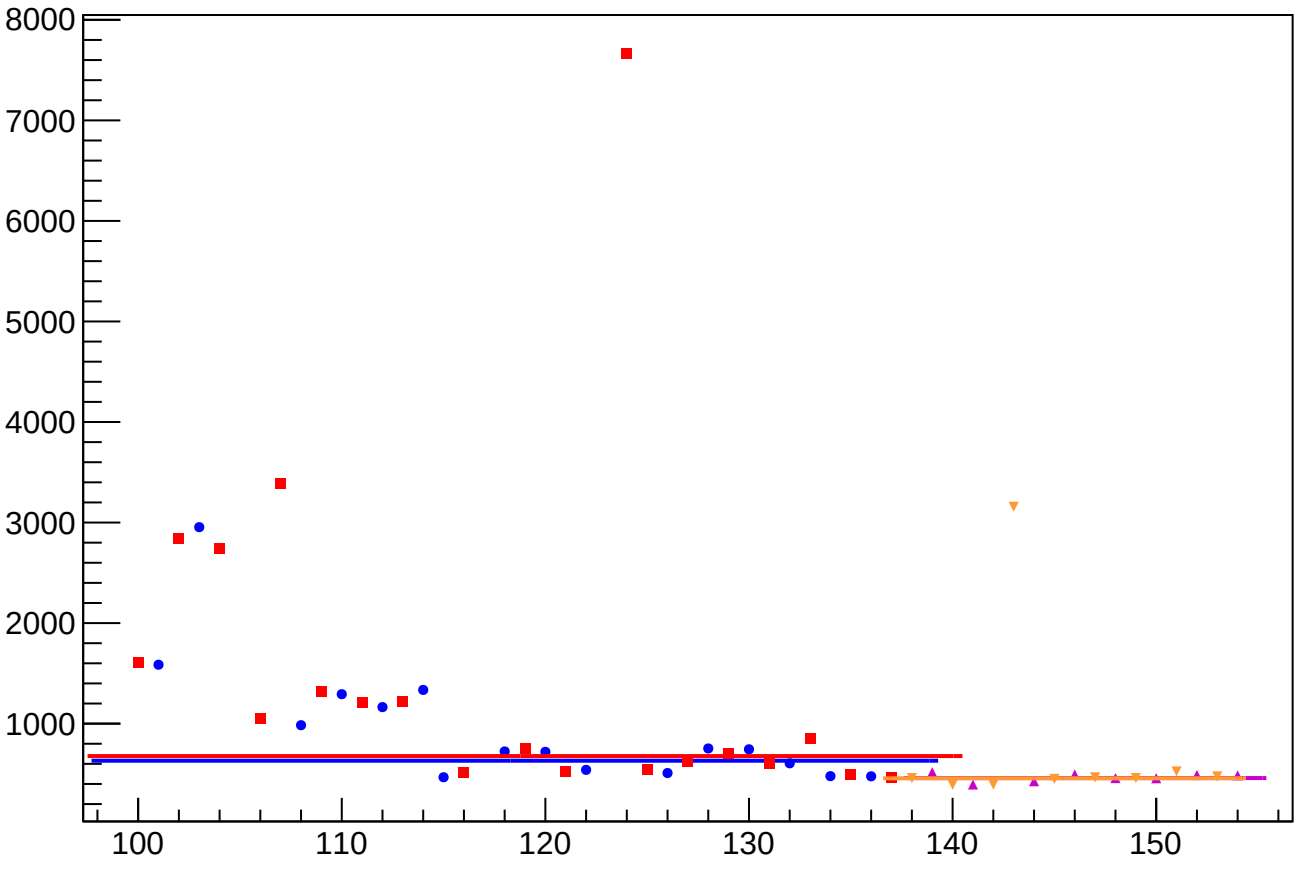
Left: 258.188+/-125.690 χ^2/NDF: 32.9/16

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 103.175+/-144.186 χ^2/NDF:31.4/23

Out: 294.996+/-152.210 χ^2/NDF:43.5/27

All: 193.897+/-104.677 χ^2/NDF: 75.7/51



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: 458.801+/-0.123 χ^2/NDF:98400.7/7

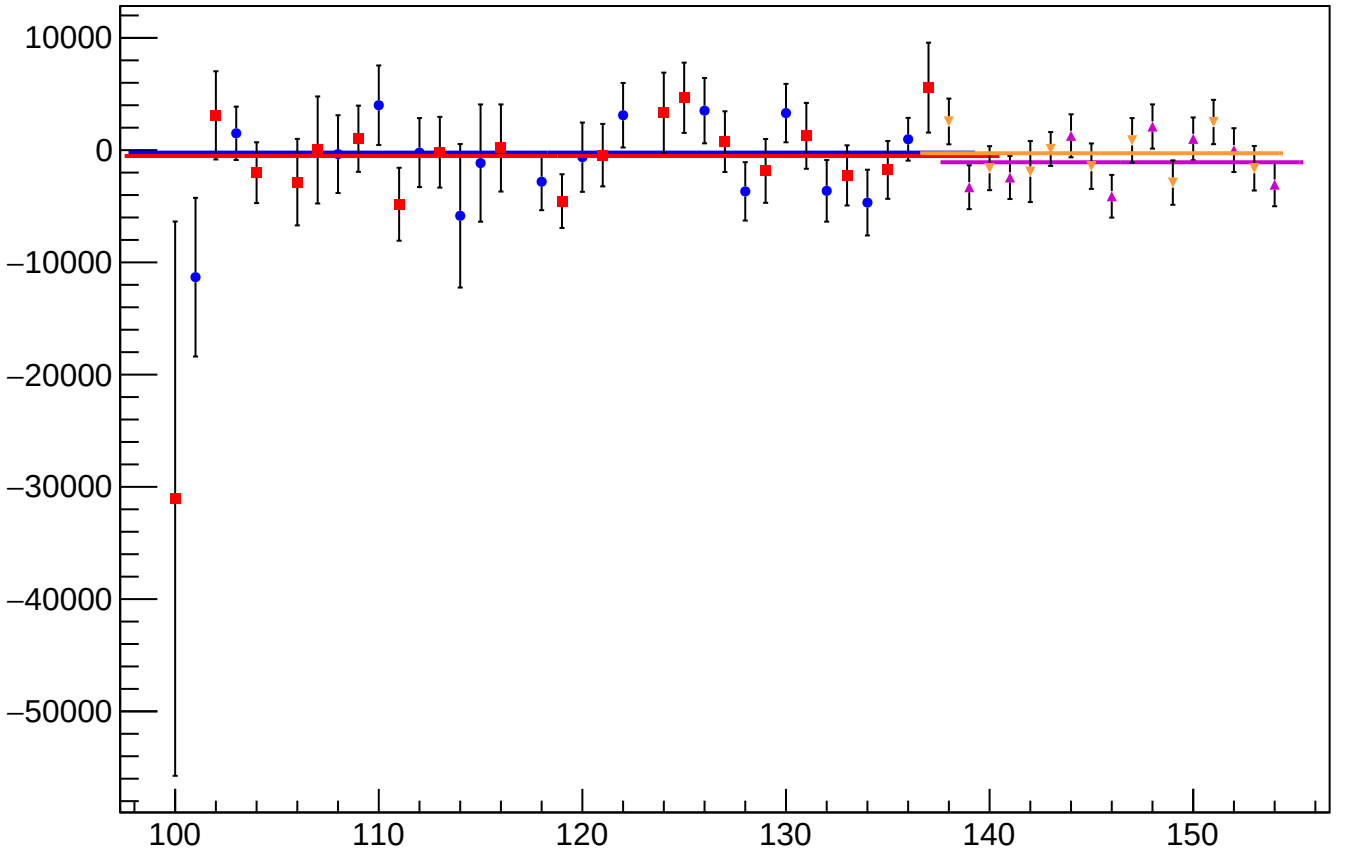
Left: 457.592+/-0.089 χ^2/NDF: 1391883.0/16

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 513.152+/-0.102 χ^2/NDF:2949805.0/23

Out: 521.839+/-0.108 χ^2/NDF:5255450.9/27

All: 517.261+/-0.074 χ^2/NDF: 8208689.5/51



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: -1080.116+/-682.617 χ^2/NDF:11.0/7

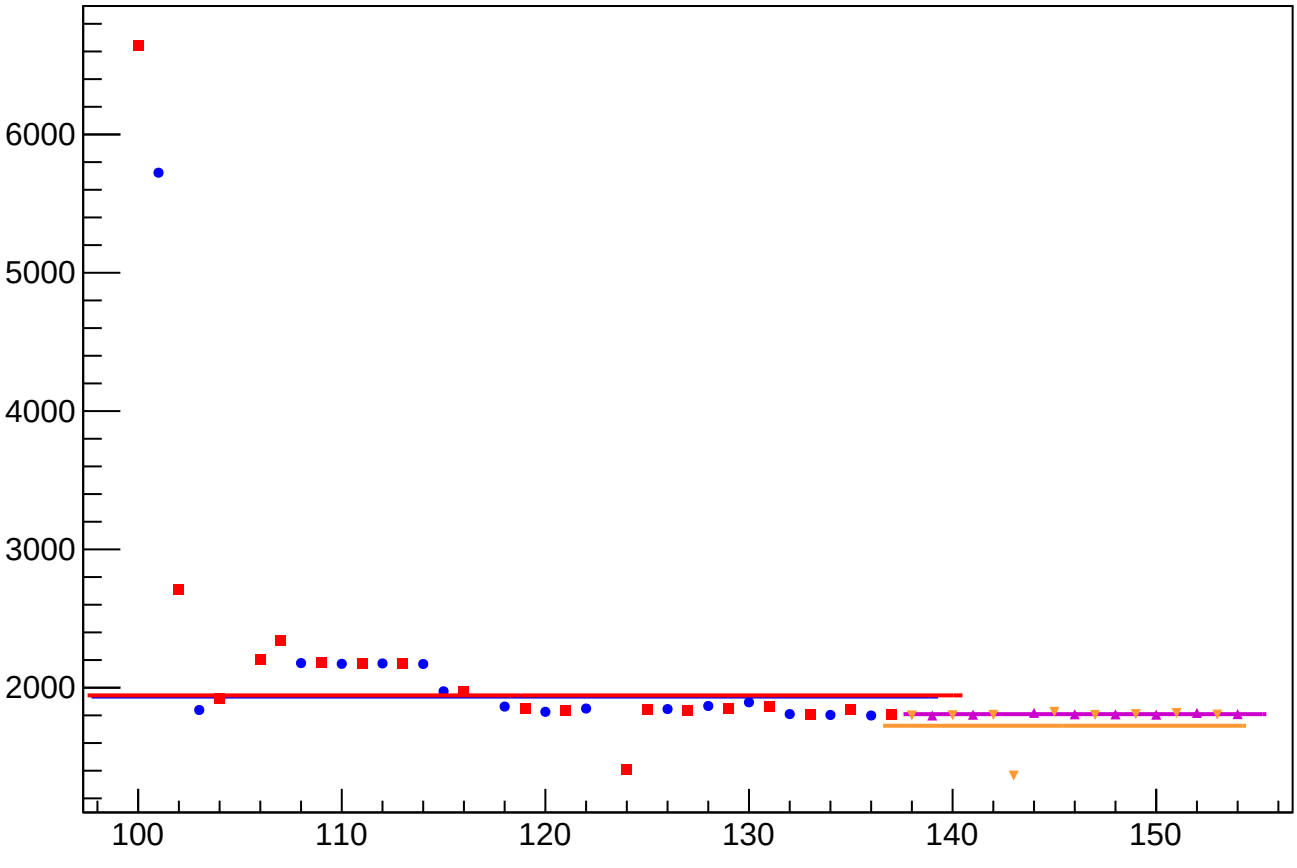
Left: -660.685+/-472.212 χ^2/NDF: 19.4/16

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -682.495+/-500.457 χ^2/NDF:28.9/23

Out: -385.455+/-485.577 χ^2/NDF:23.3/27

All: -529.493+/-348.497 χ^2/NDF: 52.4/51



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: 1808.810+/-0.483 χ^2/NDF:157.9/7

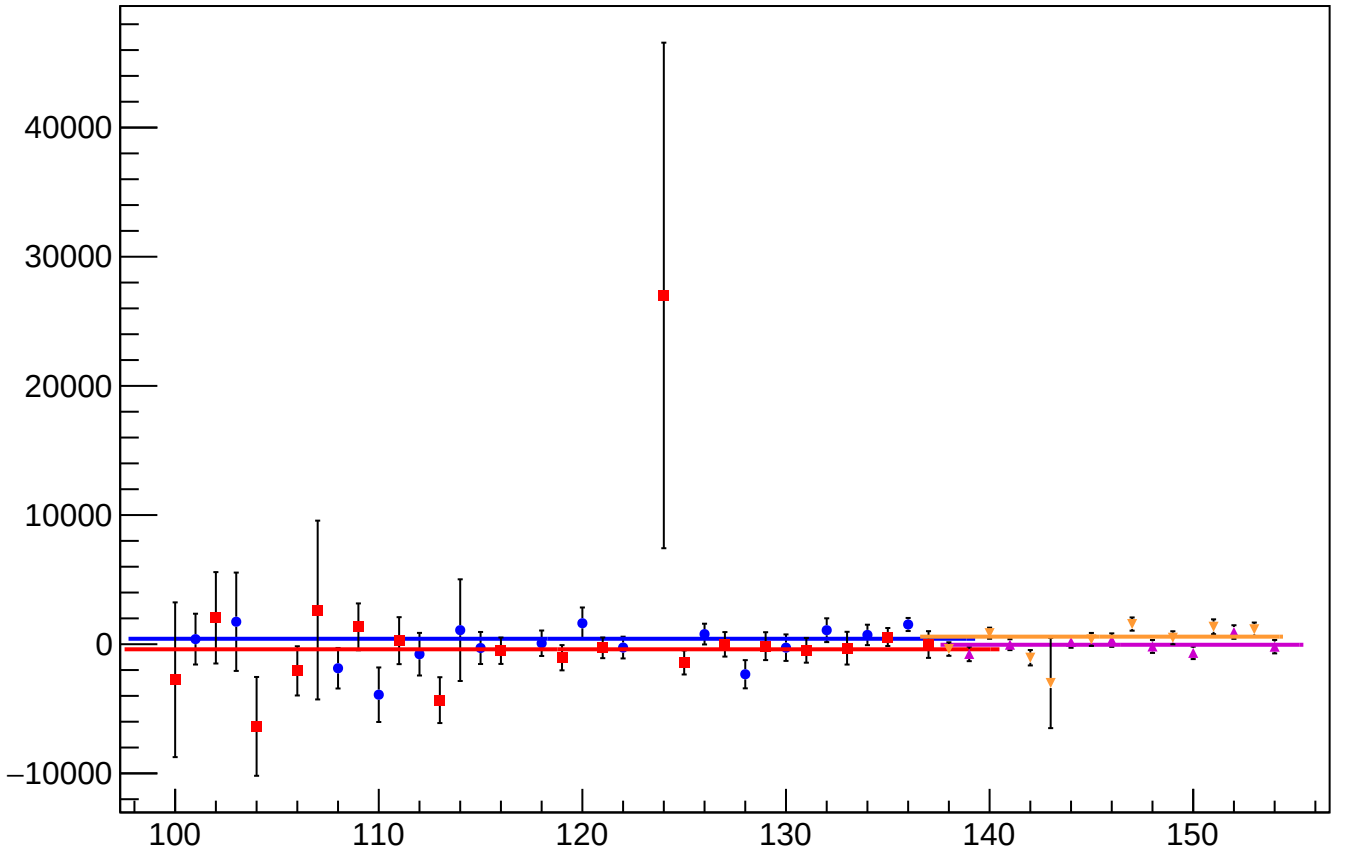
Left: 1765.017+/-0.334 χ^2/NDF: 156604.4/16

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1867.623+/-0.354 χ^2/NDF:672066.7/23

Out: 1823.372+/-0.343 χ^2/NDF:518128.0/27

All: 1844.830+/-0.246 χ^2/NDF: 1198249.0/51



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: -43.299+/-174.260 χ^2/NDF:7.6/7

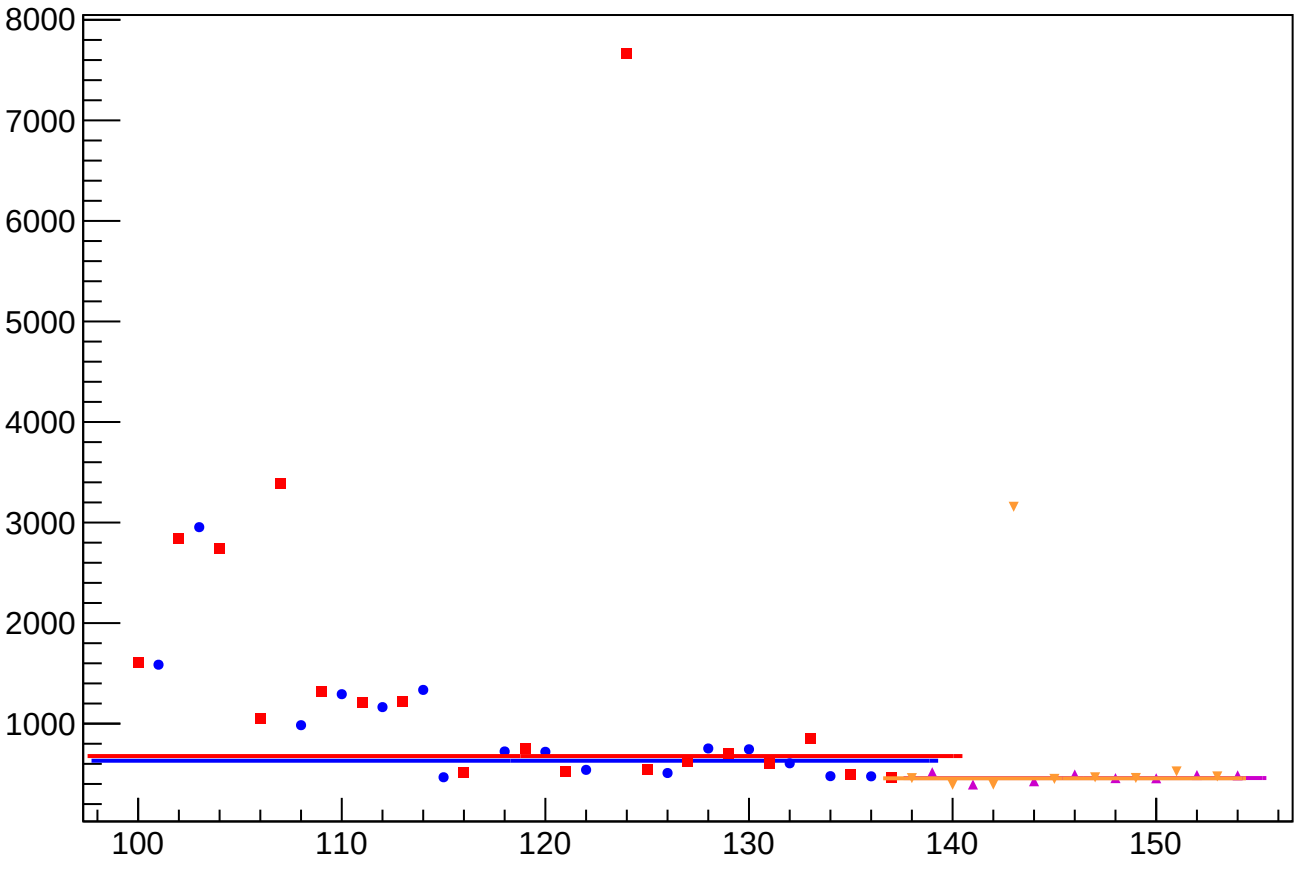
Left: 258.189+/-125.690 χ^2/NDF: 32.9/16

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 103.175+/-144.186 χ^2/NDF:31.4/23

Out: 294.996+/-152.210 χ^2/NDF:43.5/27

All: 193.897+/-104.677 χ^2/NDF: 75.7/51



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: 458.800+/-0.123 χ^2/NDF:98402.0/7

Left: 457.591+/-0.089 χ^2/NDF: 1391884.5/16

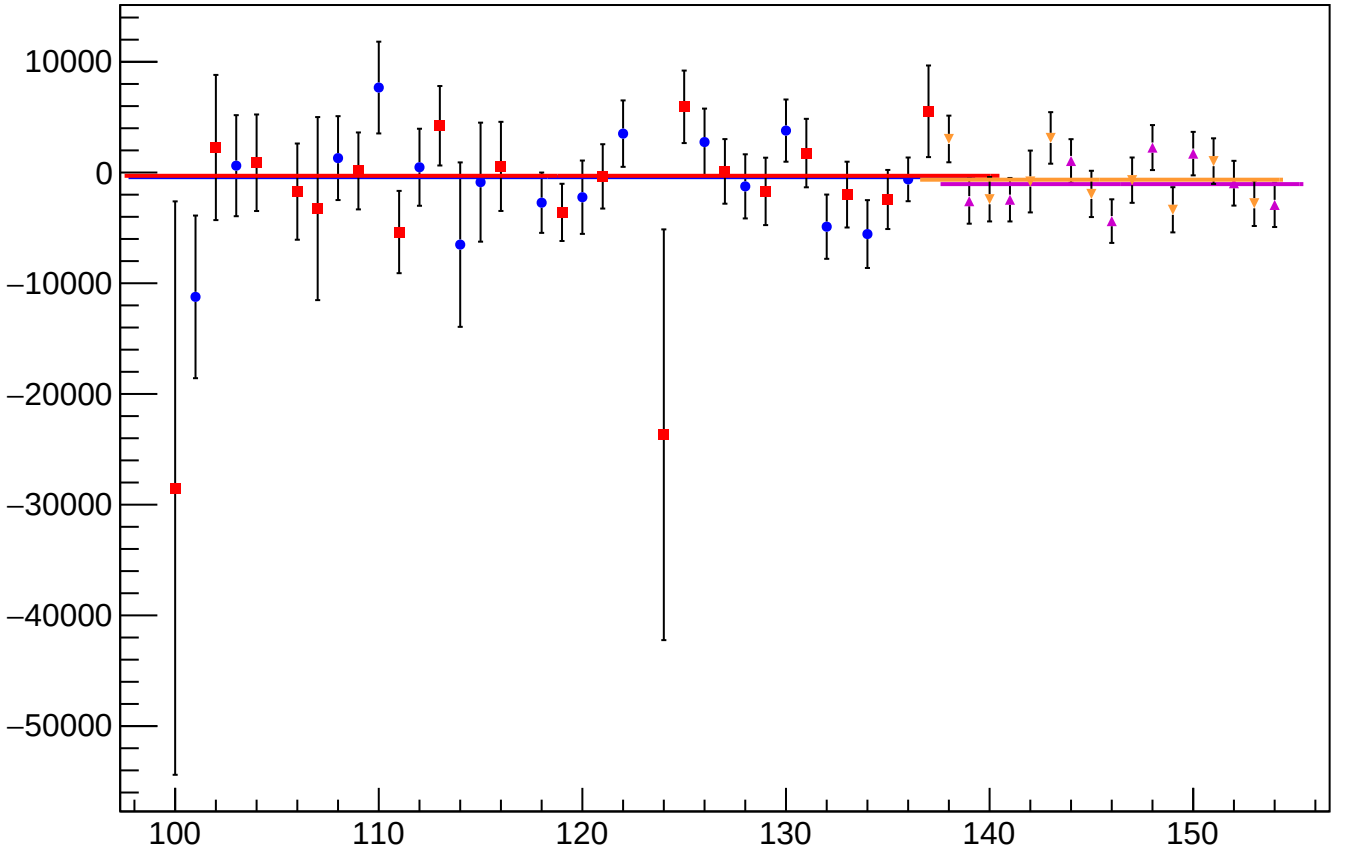
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 513.152+/-0.102 χ^2/NDF:2949805.6/23

Out: 521.839+/-0.108 χ^2/NDF:5255456.0/27

All: 517.260+/-0.074 χ^2/NDF: 8208694.8/51

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: -1045.973+/-704.685 χ^2/NDF:10.6/7

Left: -848.837+/-501.216 χ^2/NDF: 21.1/16

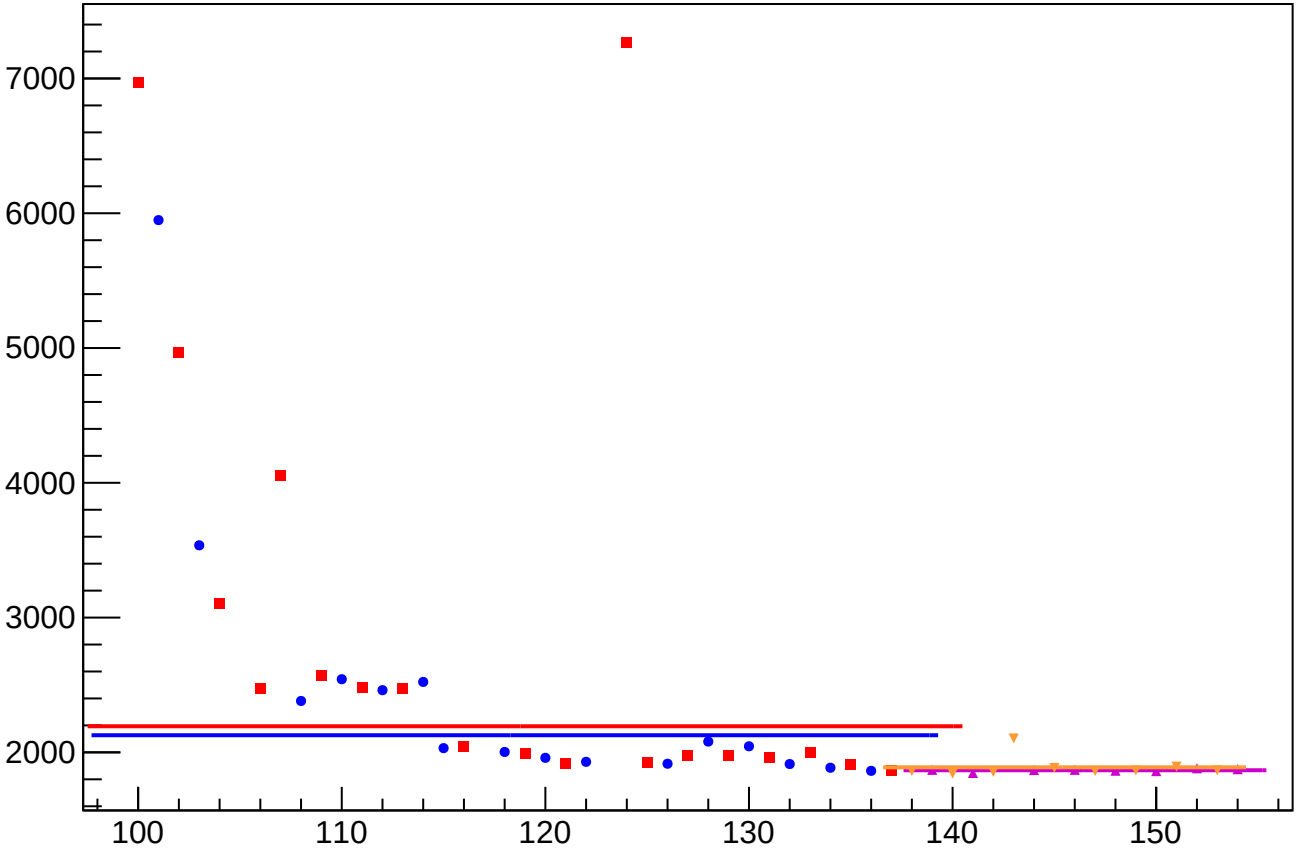
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -777.327+/-533.159 χ^2/NDF:29.3/23

Out: -497.659+/-541.307 χ^2/NDF:26.1/27

All: -639.614+/-379.848 χ^2/NDF: 55.5/51

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: 1867.248+/-0.498 χ^2/NDF:380.1/7

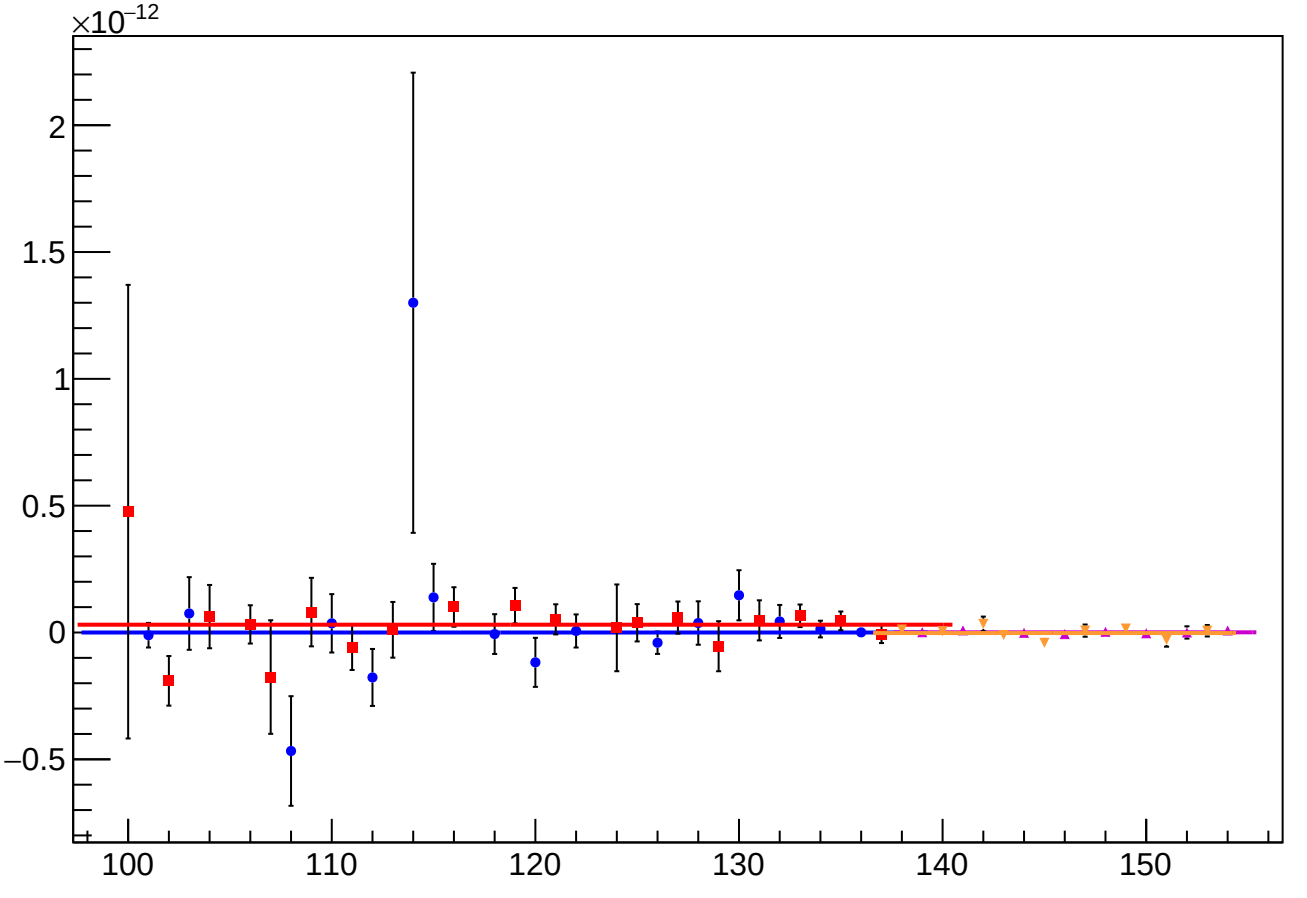
Left: 1877.981+/-0.354 χ^2/NDF: 20783.6/16

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1978.327+/-0.377 χ^2/NDF:991684.0/23

Out: 2018.022+/-0.383 χ^2/NDF:1116669.6/27

All: 1997.874+/-0.269 χ^2/NDF: 2113812.9/51



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:1.2/7

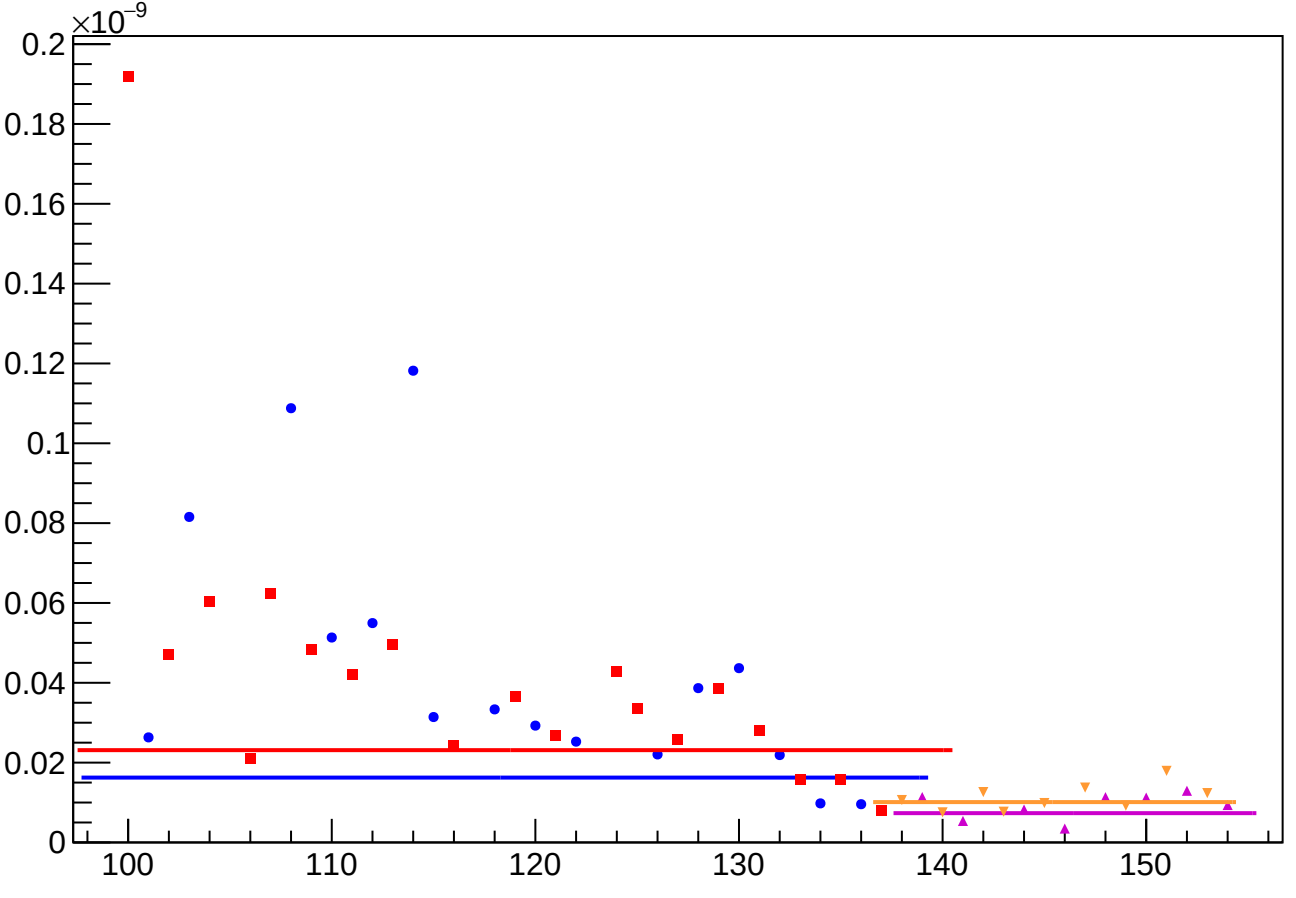
Left: -0.000+/-0.000 χ^2/NDF: 11.9/16

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.3/23

Out: 0.000+/-0.000 χ^2/NDF:26.8/27

All: 0.000+/-0.000 χ^2/NDF: 44.1/51



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:768146.5/7

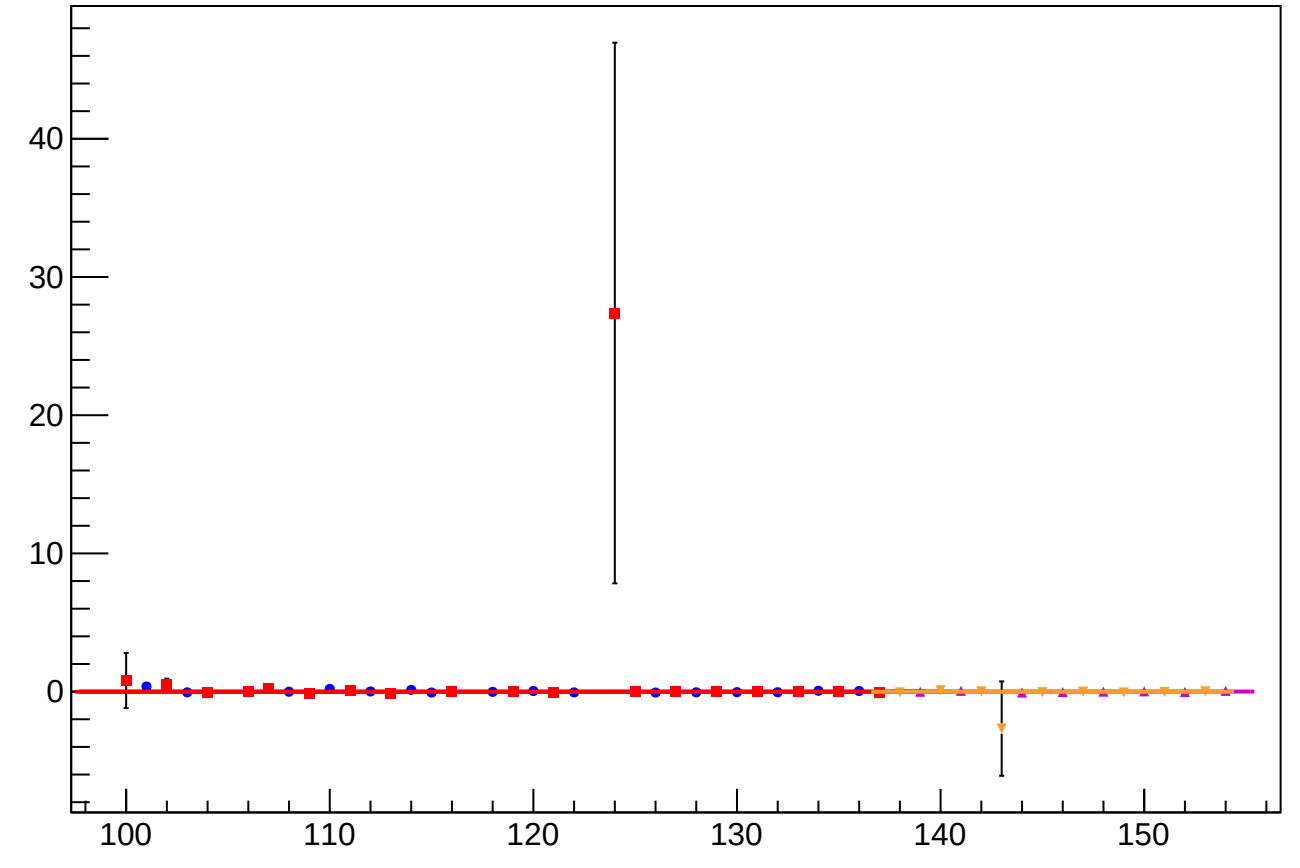
Left: 0.000+/-0.000 χ^2/NDF: 1368512.1/16

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4000585.3/23

Out: 0.000+/-0.000 χ^2/NDF:2965057.1/27

All: 0.000+/-0.000 χ^2/NDF: 7303423.6/51



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+/-0.014 χ^2/NDF:9.0/7

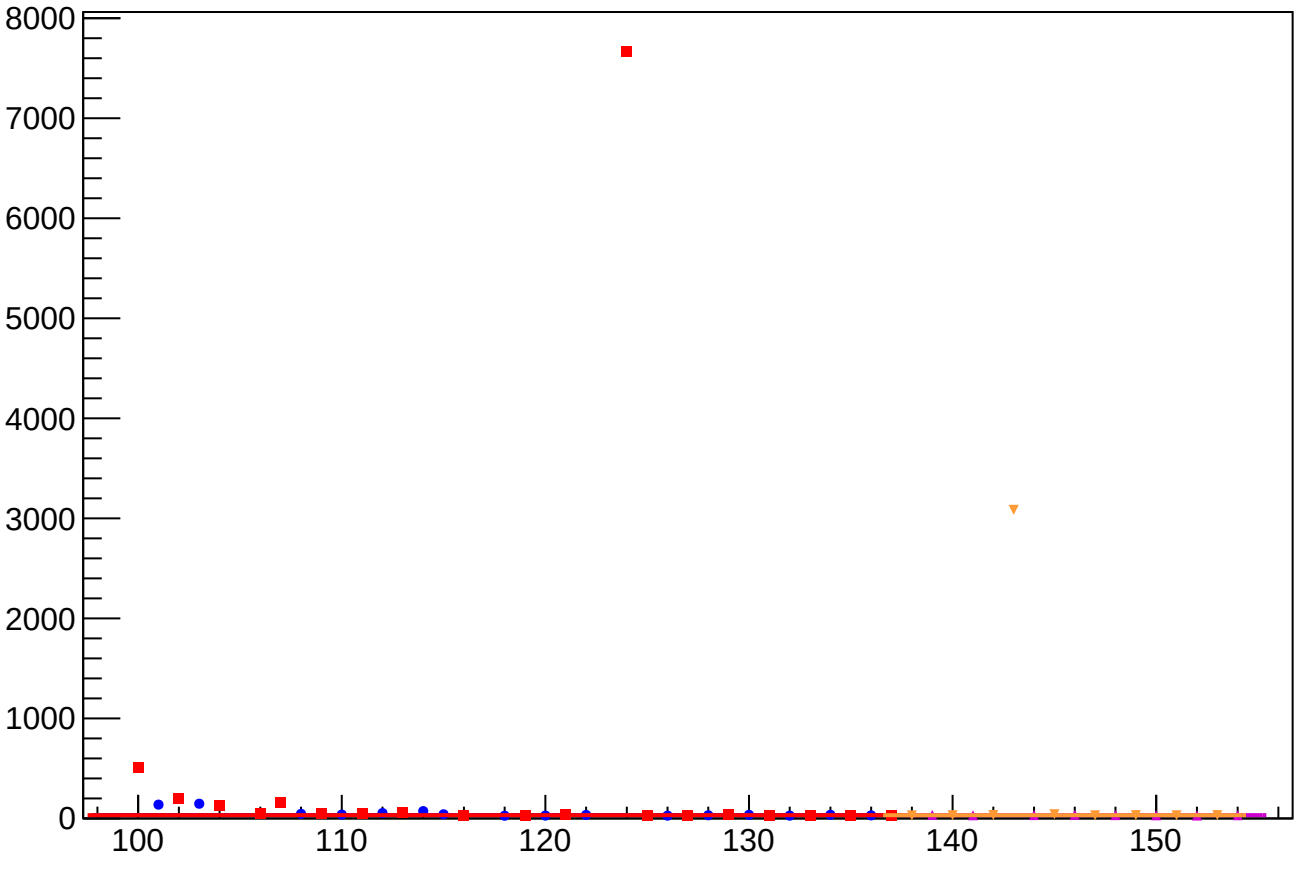
Left: -0.002+/-0.010 χ^2/NDF: 22.1/16

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.003+/-0.010 χ^2/NDF:30.0/23

Out: -0.010+/-0.010 χ^2/NDF:26.9/27

All: -0.003+/-0.007 χ^2/NDF: 57.8/51



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: 33.239+/-0.010 χ^2/NDF:51450.8/7

Left: 32.976+/-0.007 χ^2/NDF: 1741770.2/16

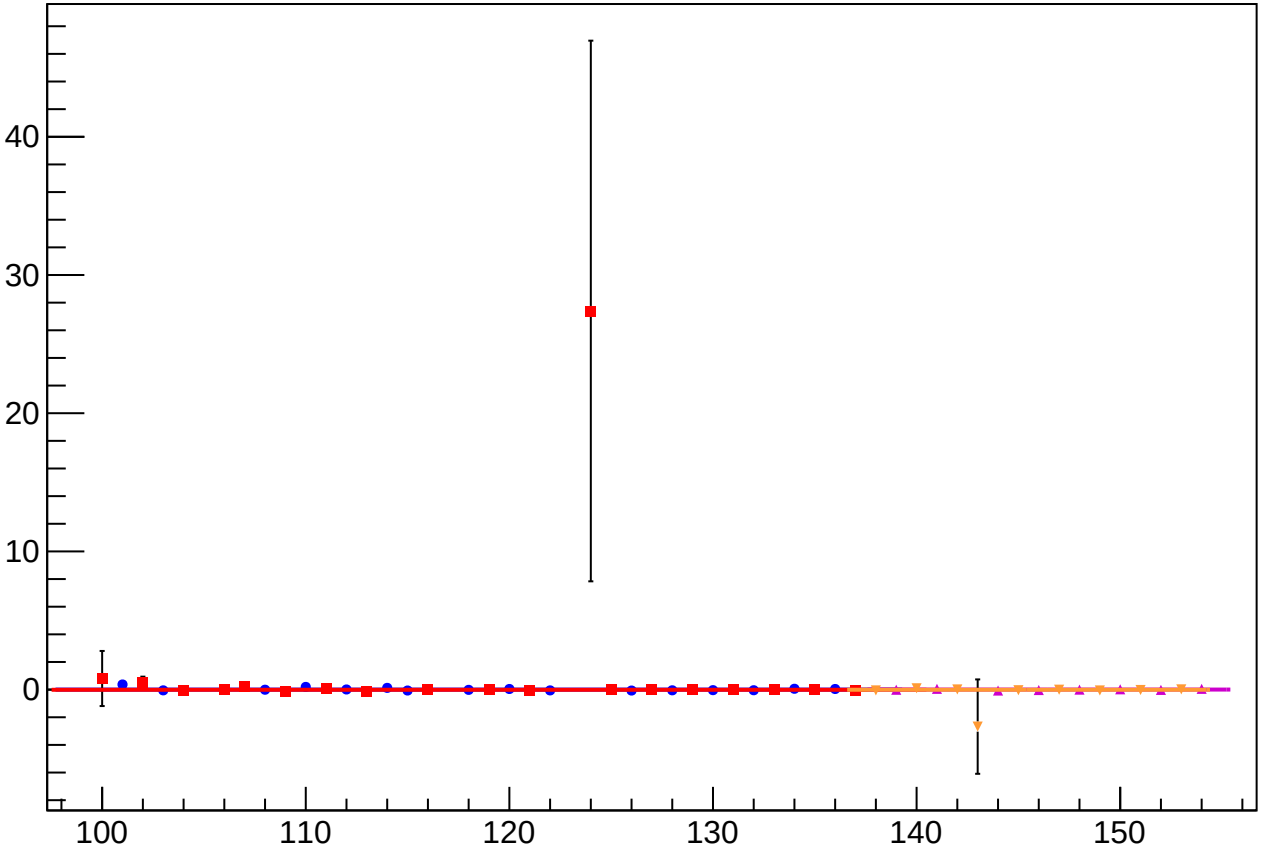
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.613+/-0.007 χ^2/NDF:1772035.6/23

Out: 32.876+/-0.007 χ^2/NDF:3764605.1/27

All: 33.254+/-0.005 χ^2/NDF: 5541940.7/51

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+/-0.014 χ^2/NDF:9.0/7

Left: -0.002+/-0.010 χ^2/NDF: 22.1/16

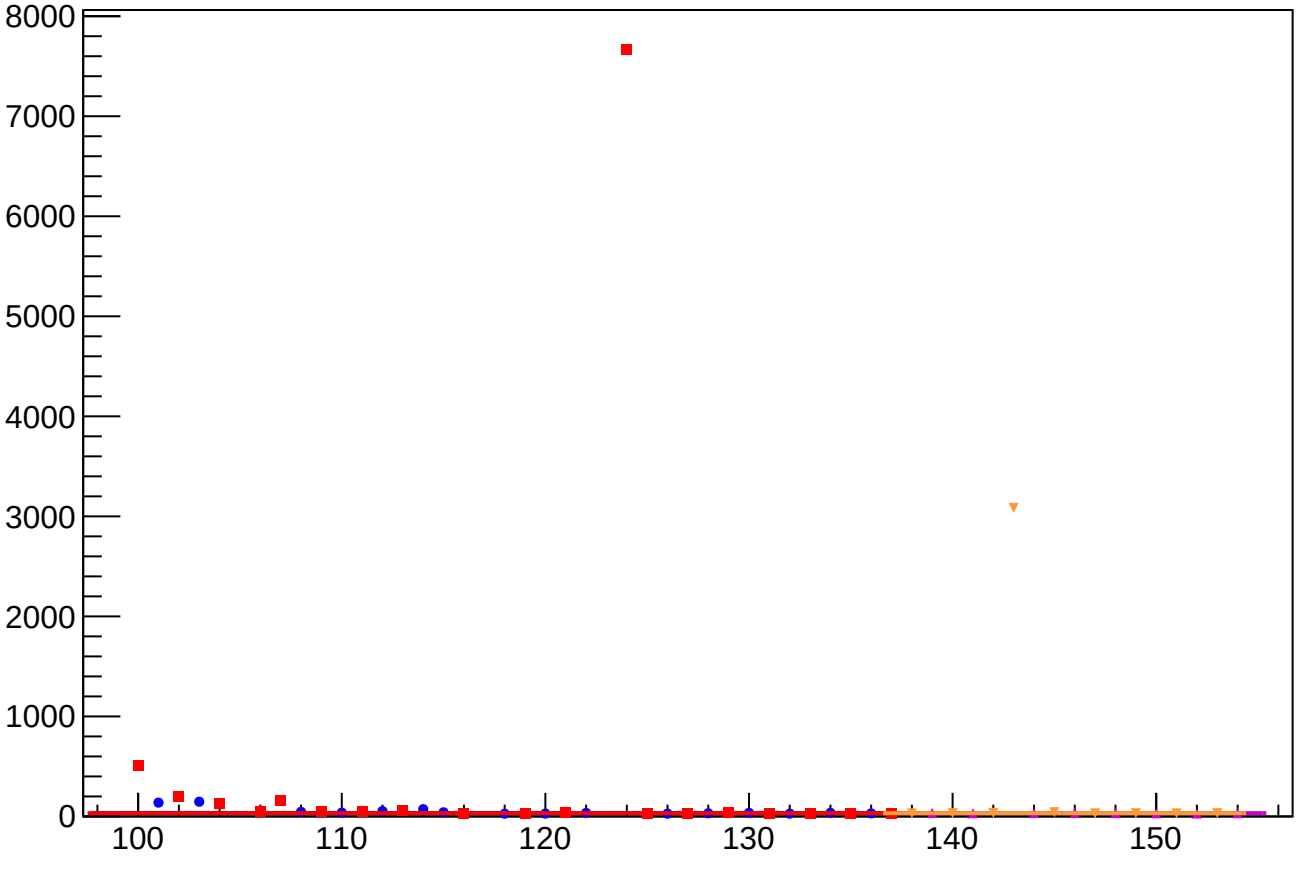
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.003+/-0.010 χ^2/NDF:30.0/23

Out: -0.010+/-0.010 χ^2/NDF:26.9/27

All: -0.003+/-0.007 χ^2/NDF: 57.8/51

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: 33.239+/-0.010 χ^2/NDF:51450.8/7

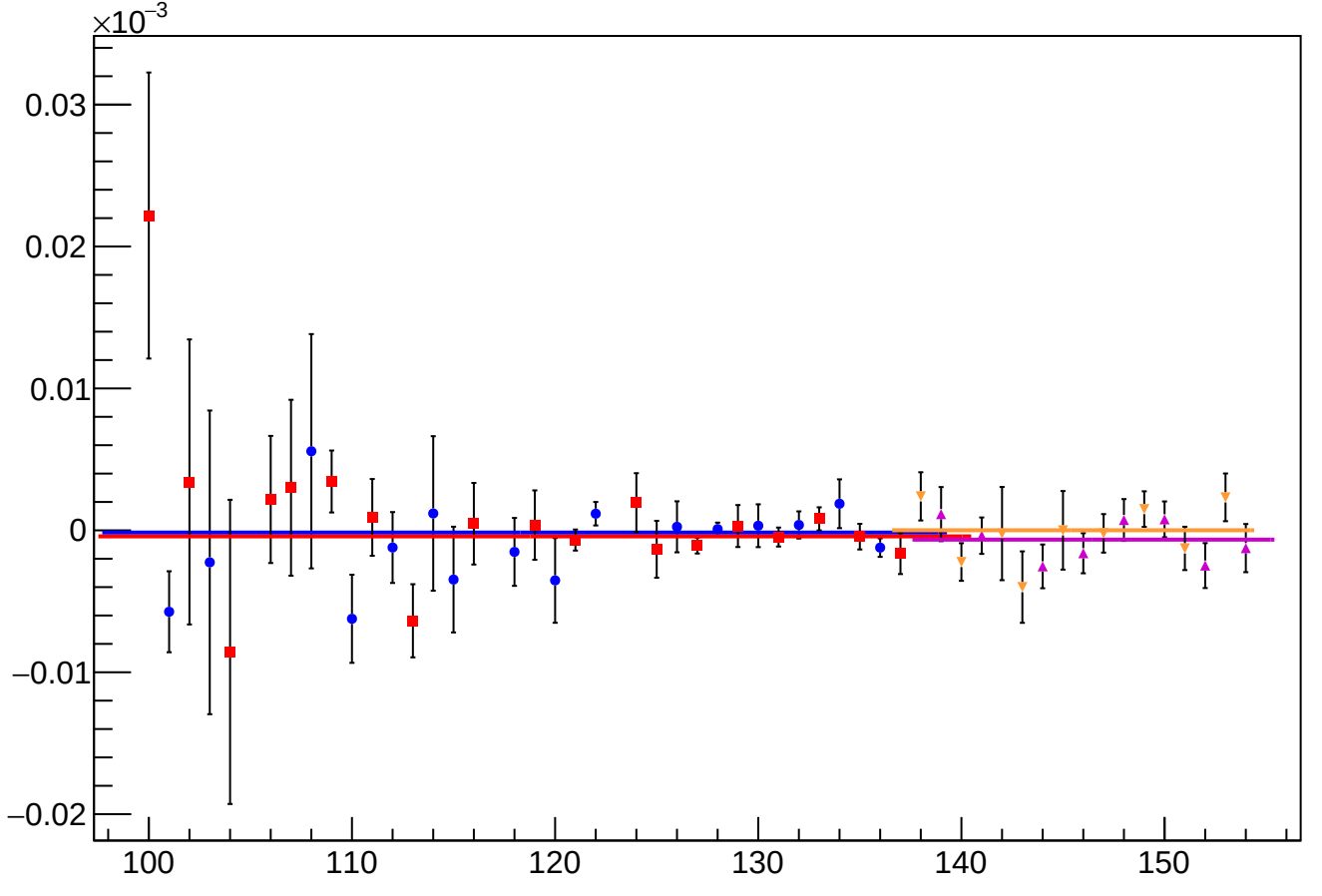
Left: 32.976+/-0.007 χ^2/NDF: 1741770.2/16

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.613+/-0.007 χ^2/NDF:1772035.6/23

Out: 32.876+/-0.007 χ^2/NDF:3764605.1/27

All: 33.254+/-0.005 χ^2/NDF: 5541940.7/51



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:6.5/7

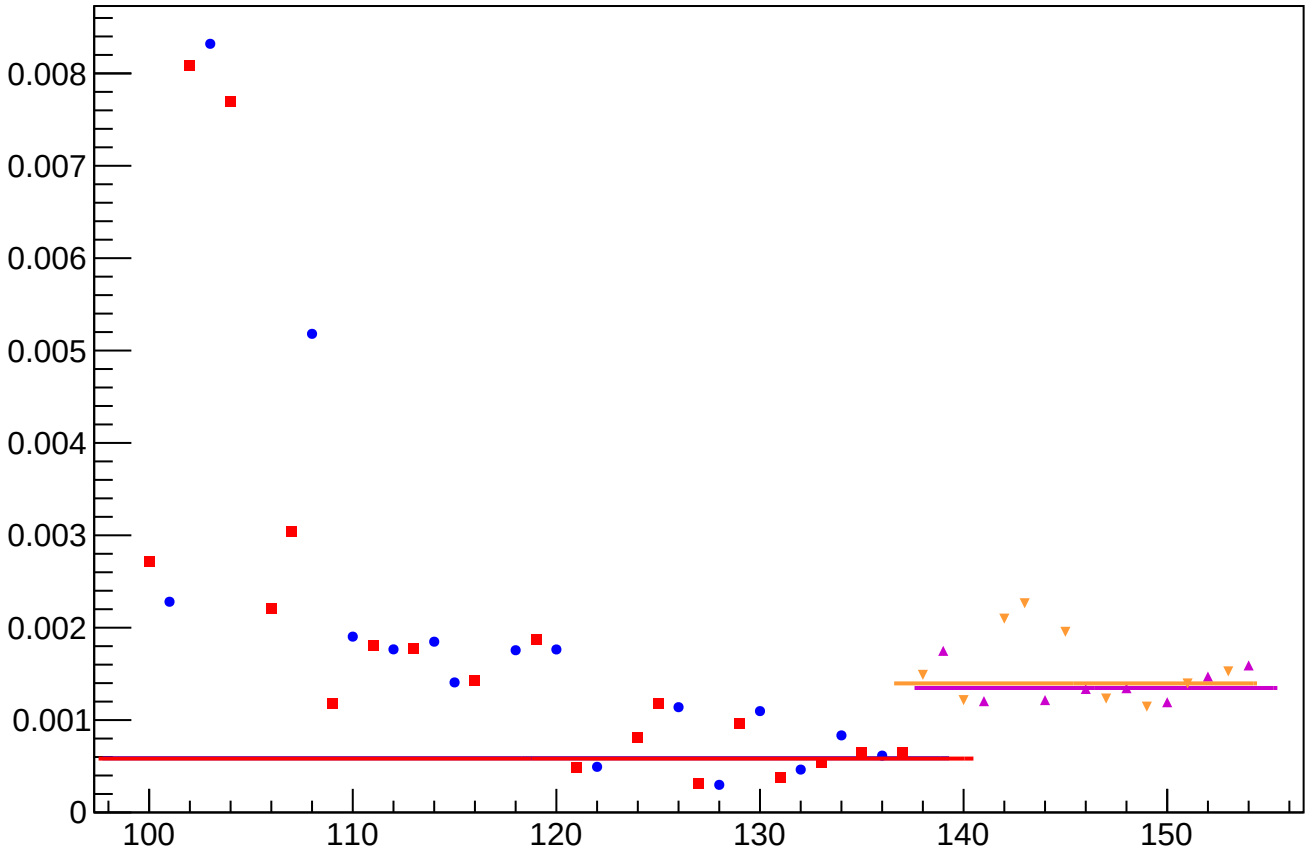
Left: -0.000+/-0.000 χ^2/NDF: 18.7/16

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:25.4/23

Out: -0.000+/-0.000 χ^2/NDF:33.5/27

All: -0.000+/-0.000 χ^2/NDF: 58.9/51



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:211724.0/7

Left: 0.001+/-0.000 χ^2/NDF: 795147.5/16

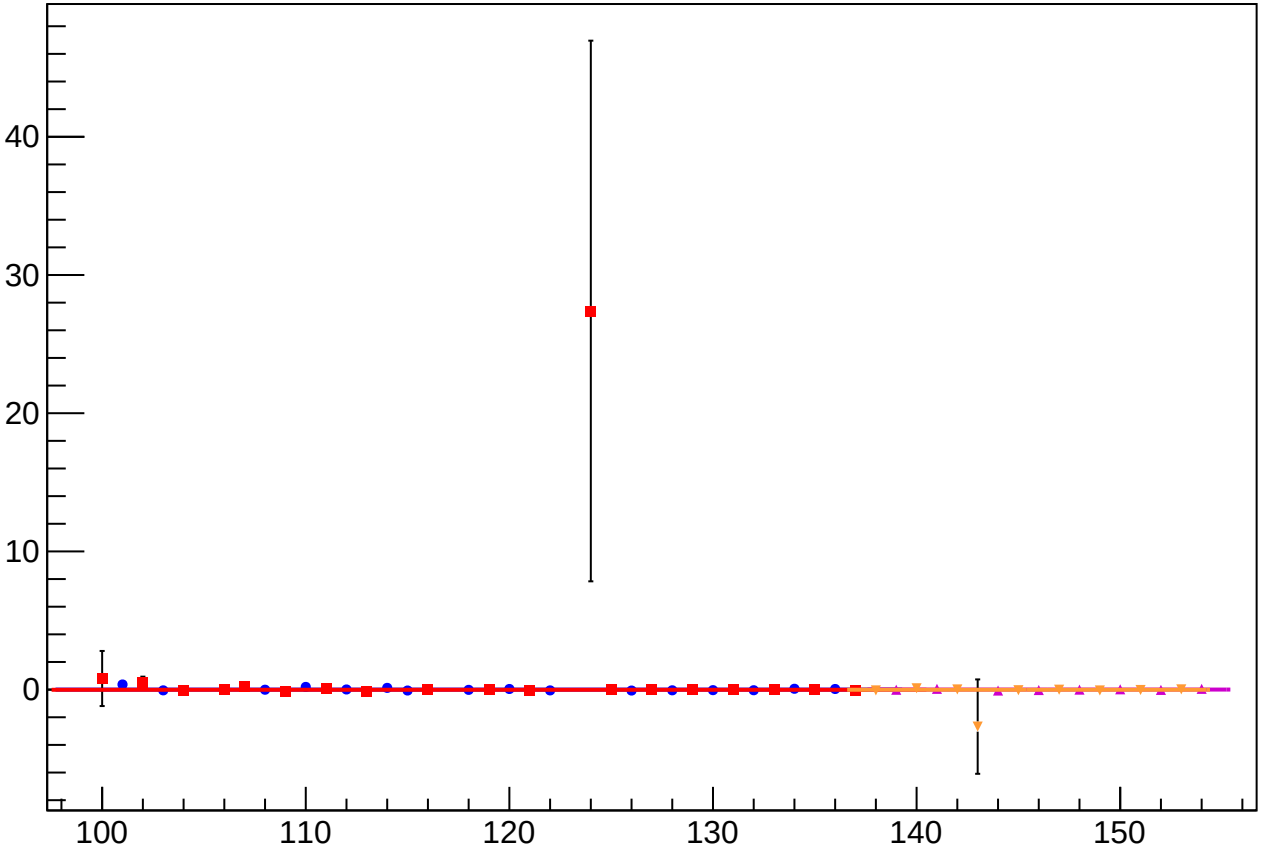
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:8903392.1/23

Out: 0.001+/-0.000 χ^2/NDF:9418973.0/27

All: 0.001+/-0.000 χ^2/NDF: 18325870.1/51

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+/-0.014 χ^2/NDF:9.0/7

Left: -0.002+/-0.010 χ^2/NDF: 22.1/16

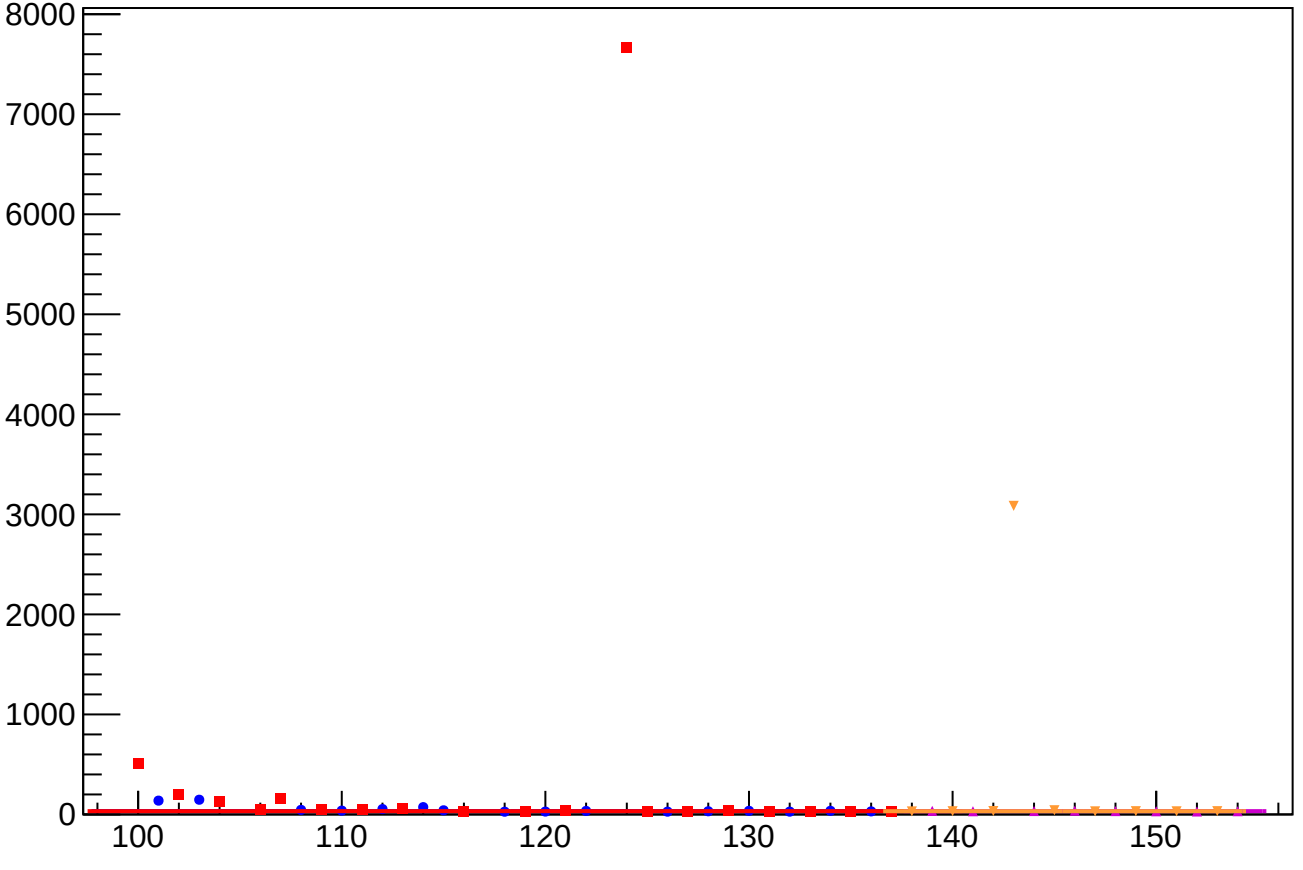
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.003+/-0.010 χ^2/NDF:30.0/23

Out: -0.010+/-0.010 χ^2/NDF:26.9/27

All: -0.003+/-0.007 χ^2/NDF: 57.8/51

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: 33.239+/-0.010 χ^2/NDF:51453.3/7

Left: 32.976+/-0.007 χ^2/NDF: 1741773.8/16

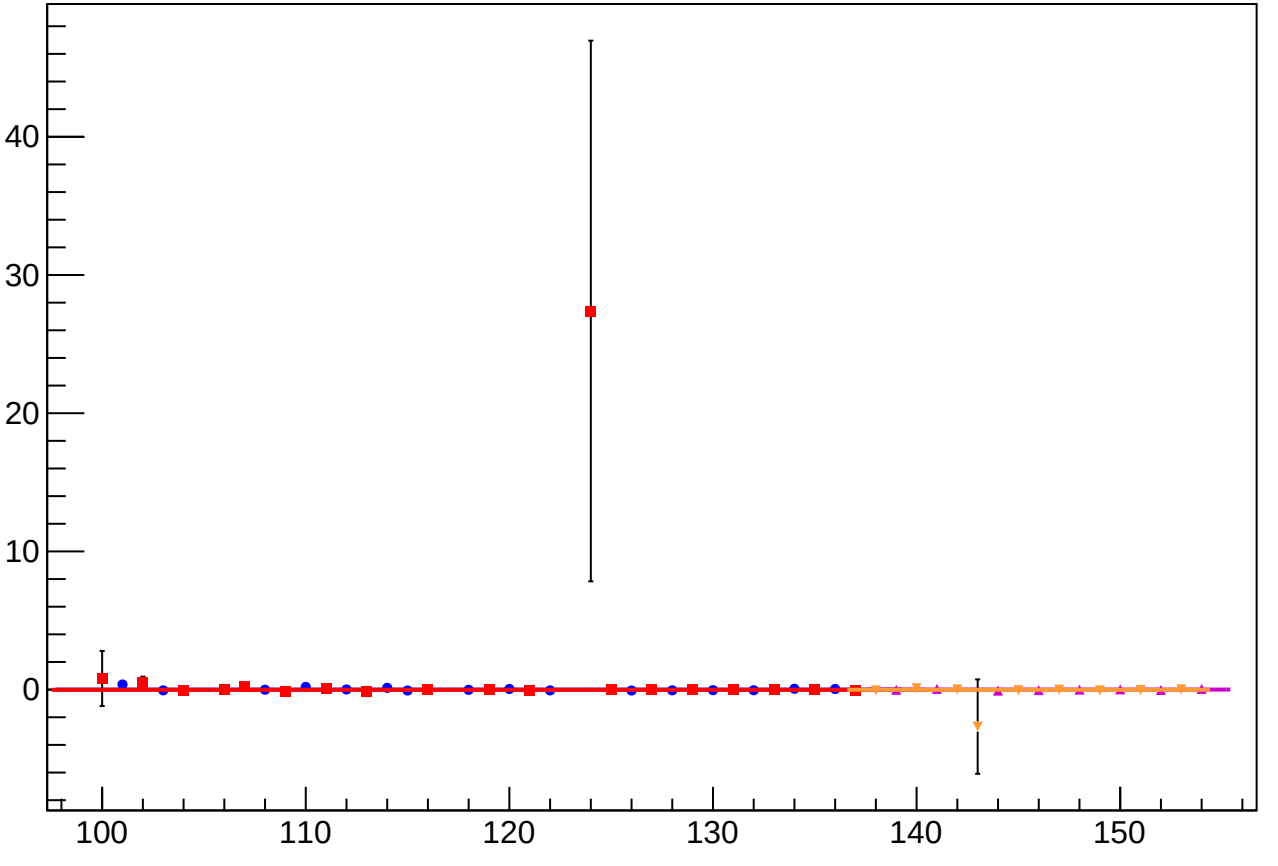
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.613+/-0.007 χ^2/NDF:1772026.6/23

Out: 32.876+/-0.007 χ^2/NDF:3764586.8/27

All: 33.254+/-0.005 χ^2/NDF: 5541915.0/51

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+/-0.014 χ^2/NDF:9.0/7

Left: -0.002+/-0.010 χ^2/NDF: 22.1/16

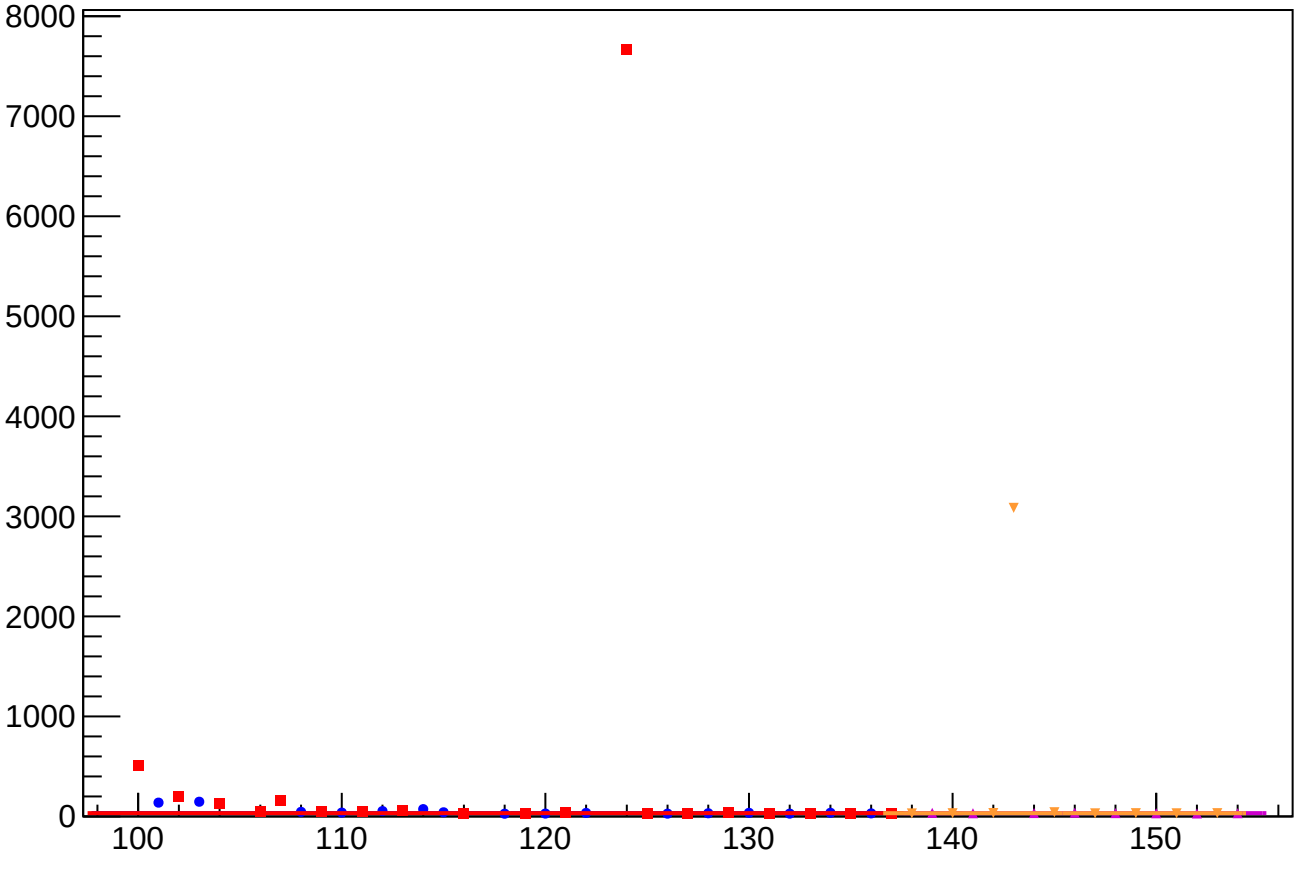
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.003+/-0.010 χ^2/NDF:30.0/23

Out: -0.010+/-0.010 χ^2/NDF:26.9/27

All: -0.003+/-0.007 χ^2/NDF: 57.8/51

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: 33.239+/-0.010 χ^2/NDF:51453.3/7

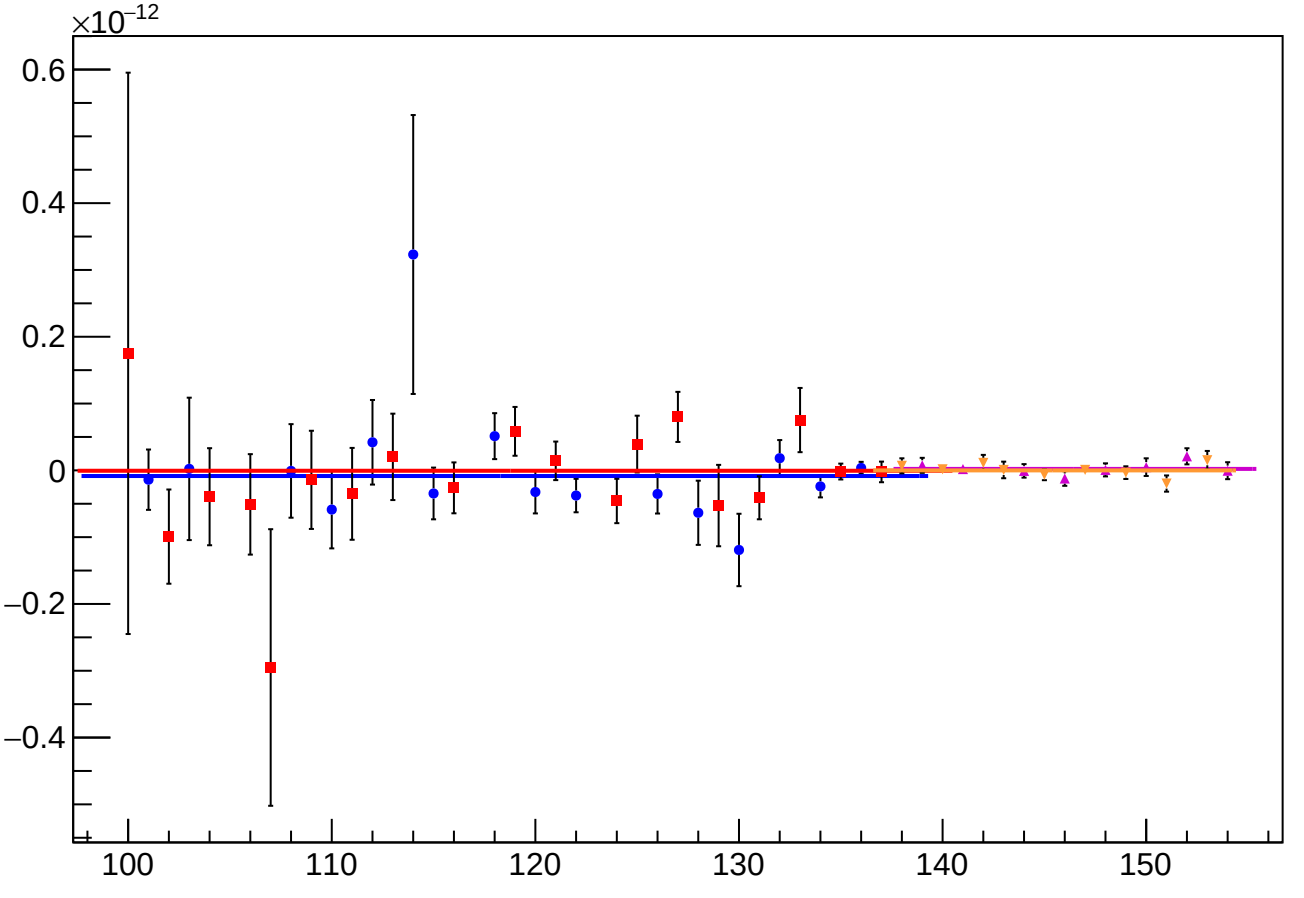
Left: 32.976+/-0.007 χ^2/NDF: 1741773.8/16

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.613+/-0.007 χ^2/NDF:1772026.6/23

Out: 32.876+/-0.007 χ^2/NDF:3764586.8/27

All: 33.254+/-0.005 χ^2/NDF: 5541915.0/51



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:4.6/7

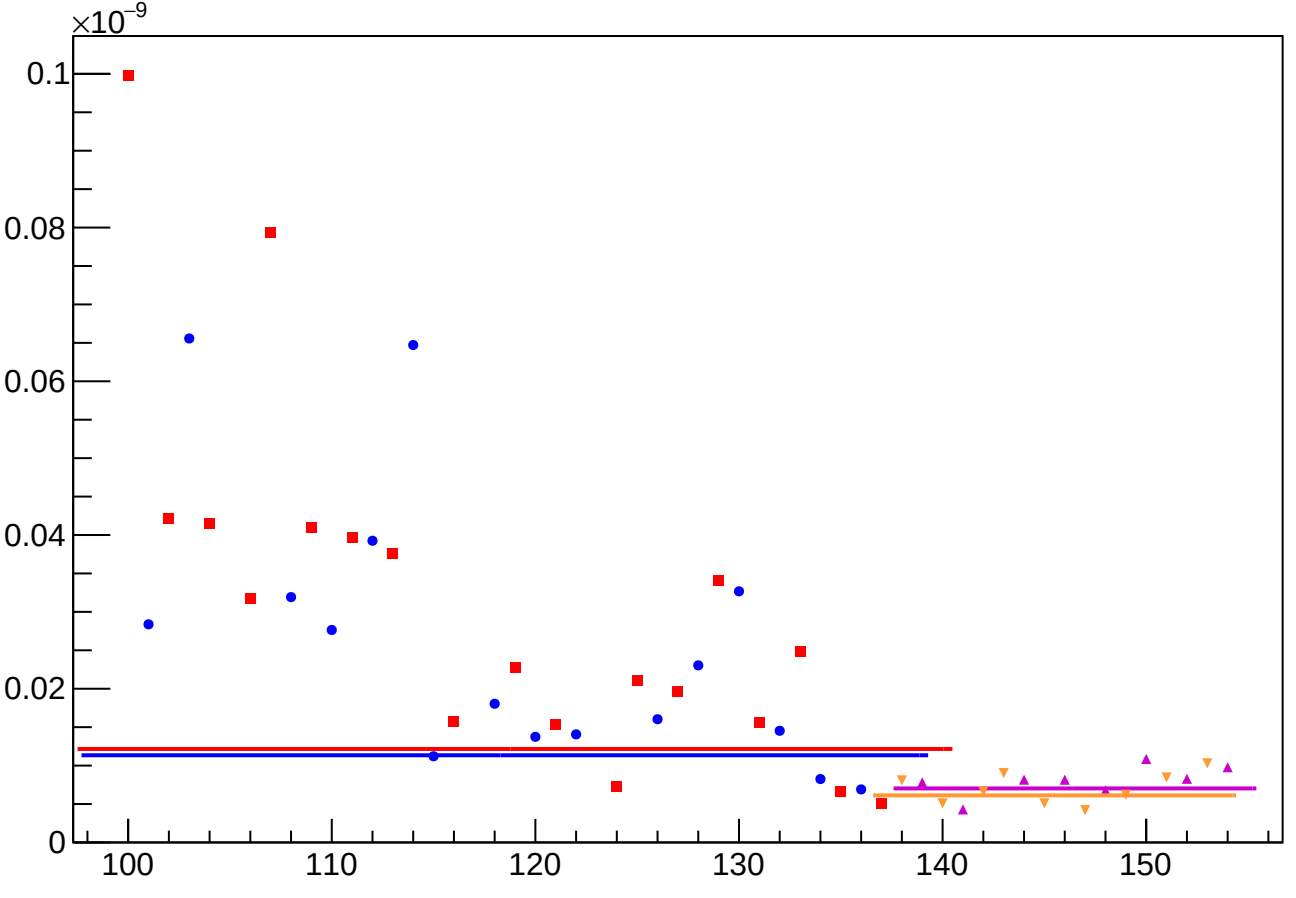
Left: 0.000+/-0.000 χ^2/NDF: 10.7/16

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:26.0/23

Out: -0.000+/-0.000 χ^2/NDF:26.7/27

All: -0.000+/-0.000 χ^2/NDF: 52.7/51



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:736921.7/7

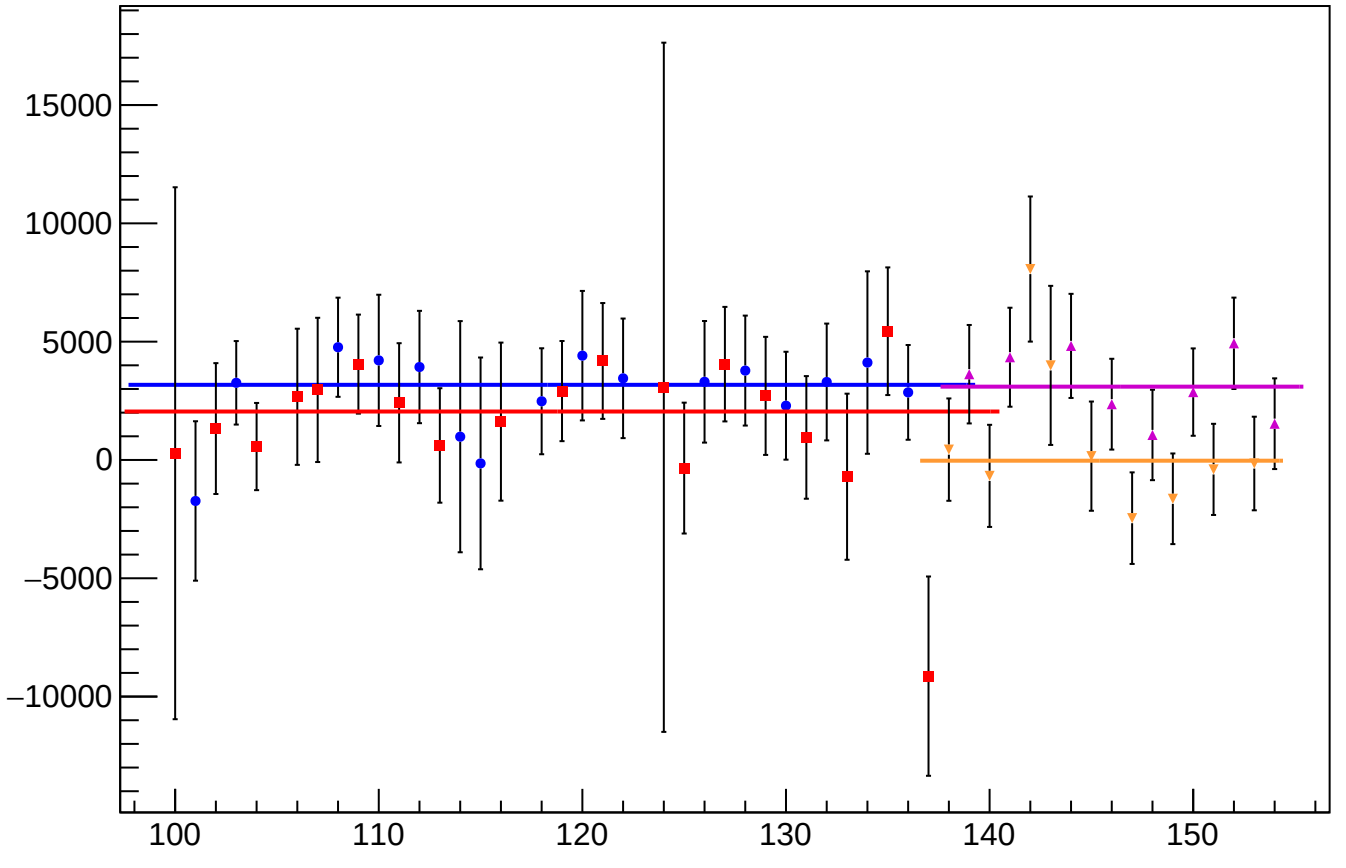
Left: 0.000+/-0.000 χ^2/NDF: 1457984.7/16

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4250369.6/23

Out: 0.000+/-0.000 χ^2/NDF:5572210.2/27

All: 0.000+/-0.000 χ^2/NDF: 9923235.5/51



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: 3098.184+/-699.212 χ^2/NDF:3.9/7

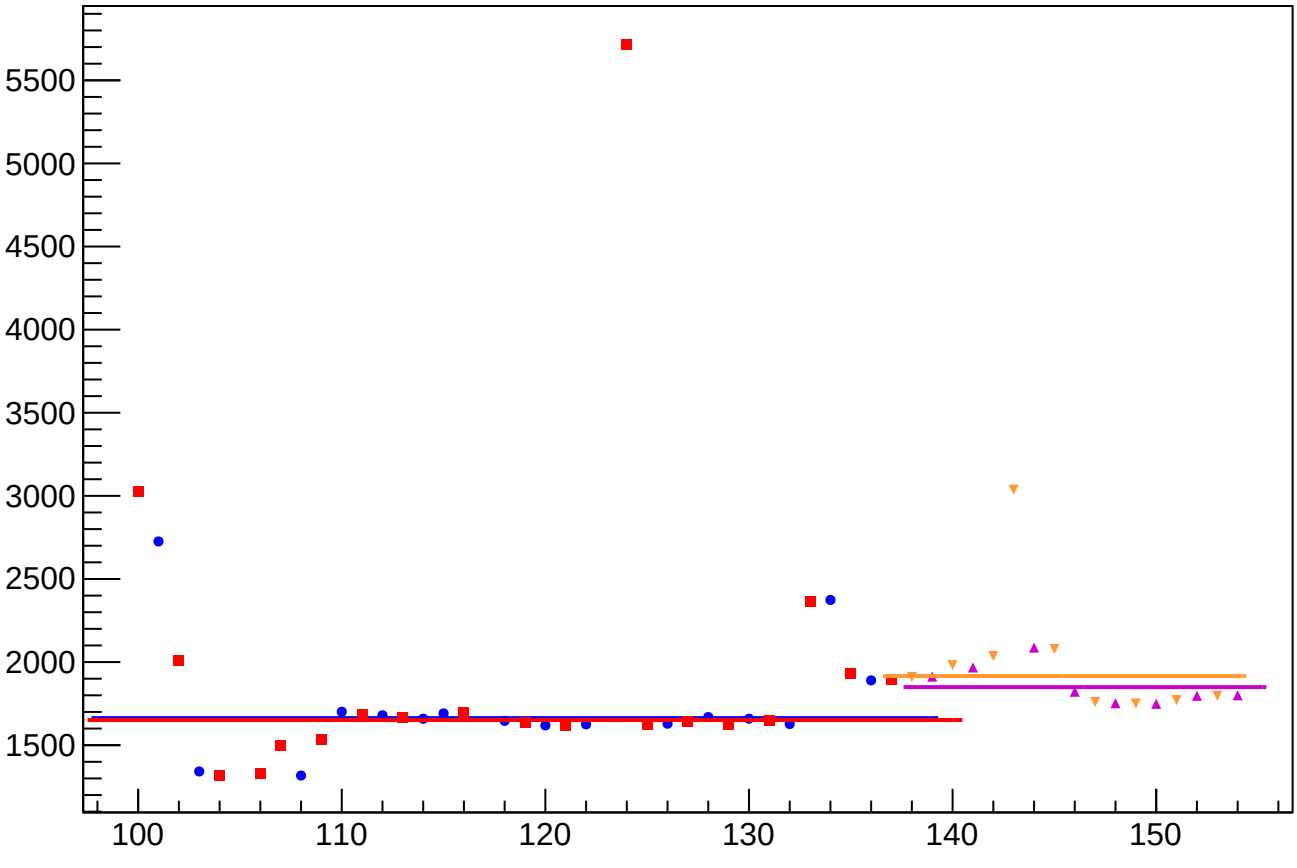
Left: 1601.129+/-505.001 χ^2/NDF: 24.4/16

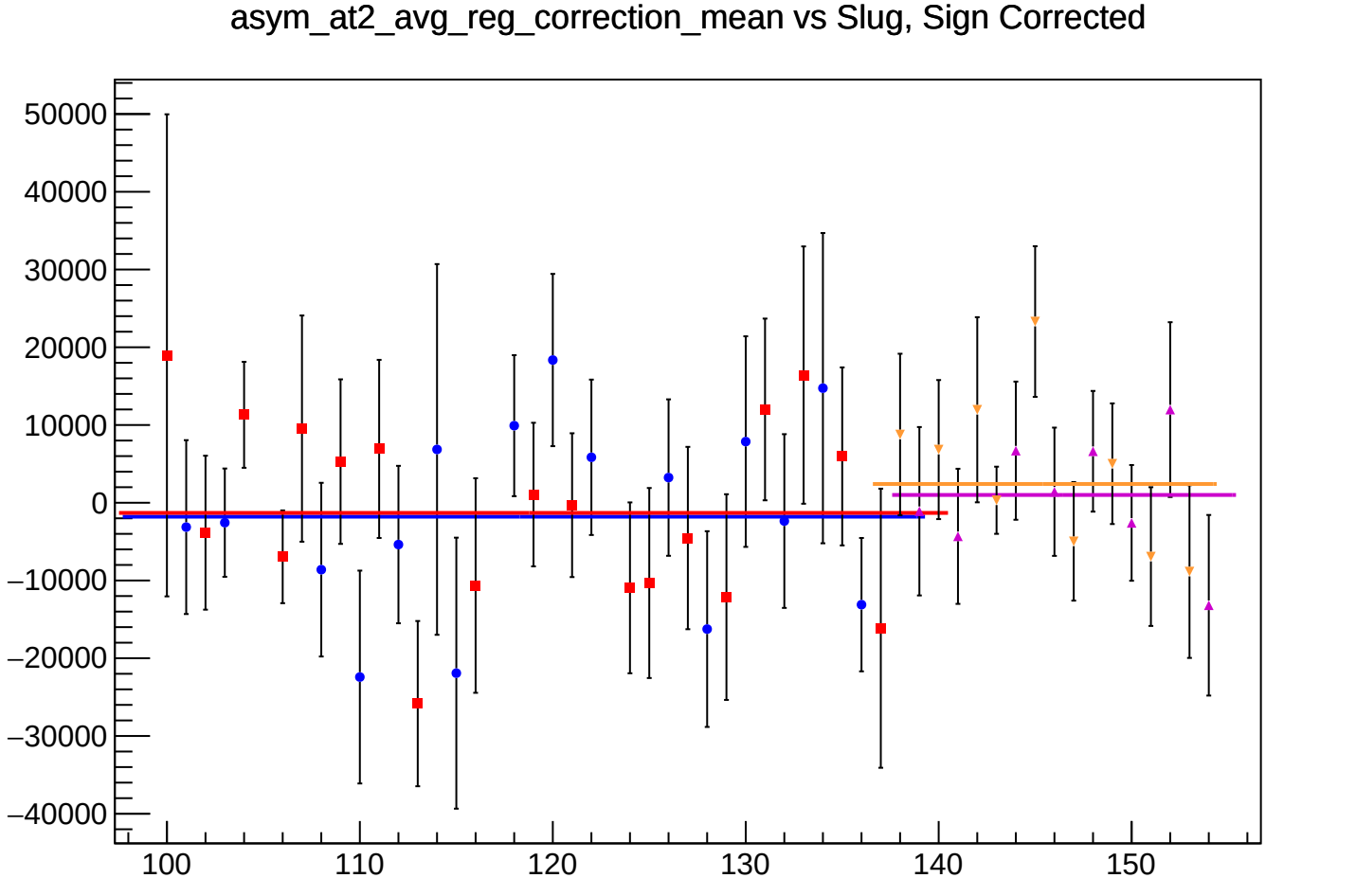
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3141.034+/-467.214 χ^2/NDF:8.2/23

Out: 1174.057+/-473.266 χ^2/NDF:29.6/27

All: 2170.202+/-332.489 χ^2/NDF: 46.6/51


reg_asym_at2_avg_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 1662.901+/-0.444 χ²/NDF: 415630.7/15
Left Out: 1915.744+/-0.516 χ²/NDF:283665.9/8
Right Out: 1651.322+/-0.439 χ²/NDF: 431965.1/18
Left In: 1849.418+/-0.494 χ²/NDF:45885.6/7
Left: 1881.146+/-0.357 χ²/NDF: 338160.4/16
Right: 1657.052+/-0.312 χ²/NDF: 847939.4/34
In: 1746.180+/-0.330 χ²/NDF:540288.0/23
Out: 1762.413+/-0.335 χ²/NDF:867731.8/27
All: 1754.192+/-0.235 χ²/NDF: 1409211.6/51



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: 1002.301+/-3176.337 χ^2/NDF:4.0/7

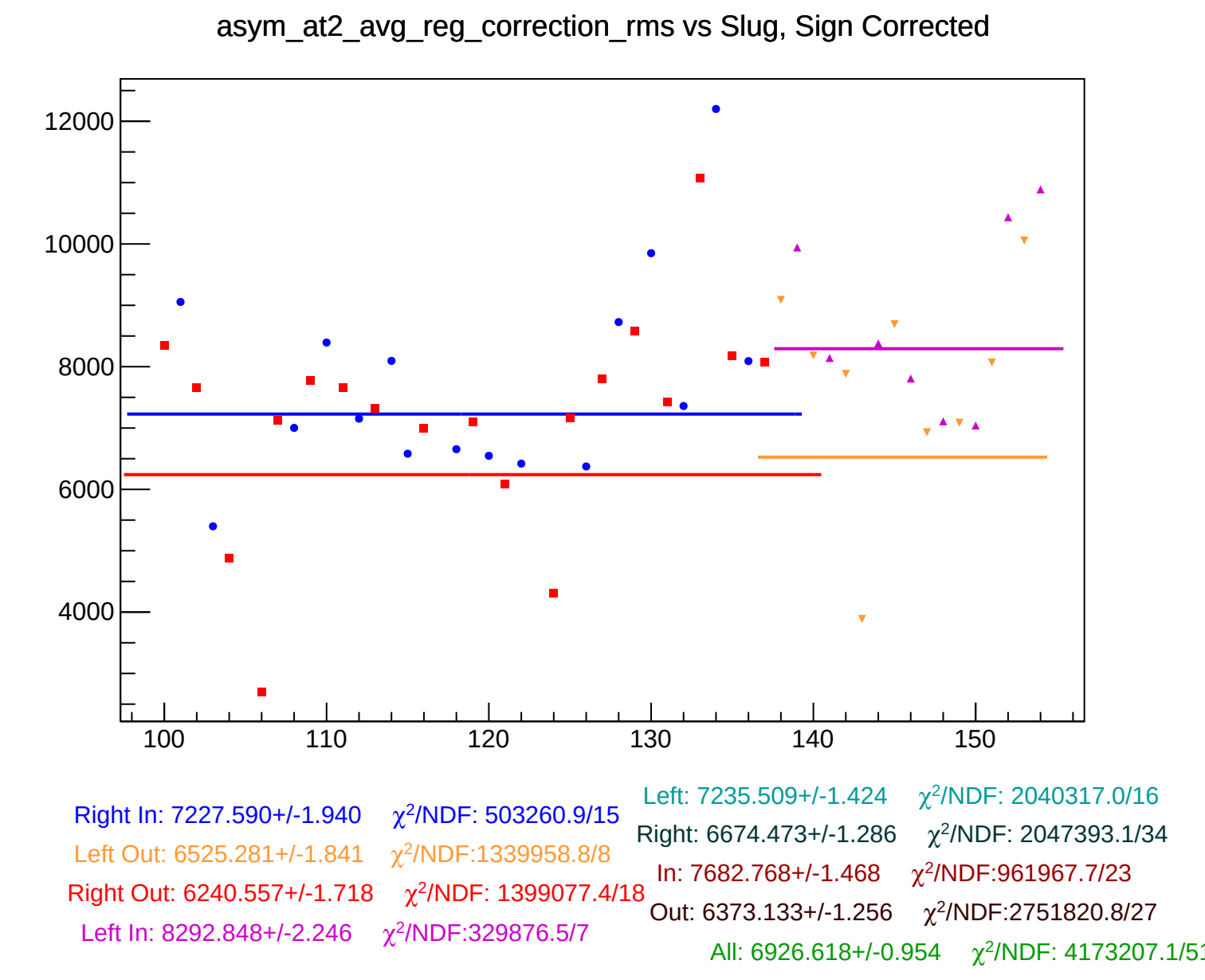
Left: 1846.478+/-2013.435 χ^2/NDF: 13.5/16

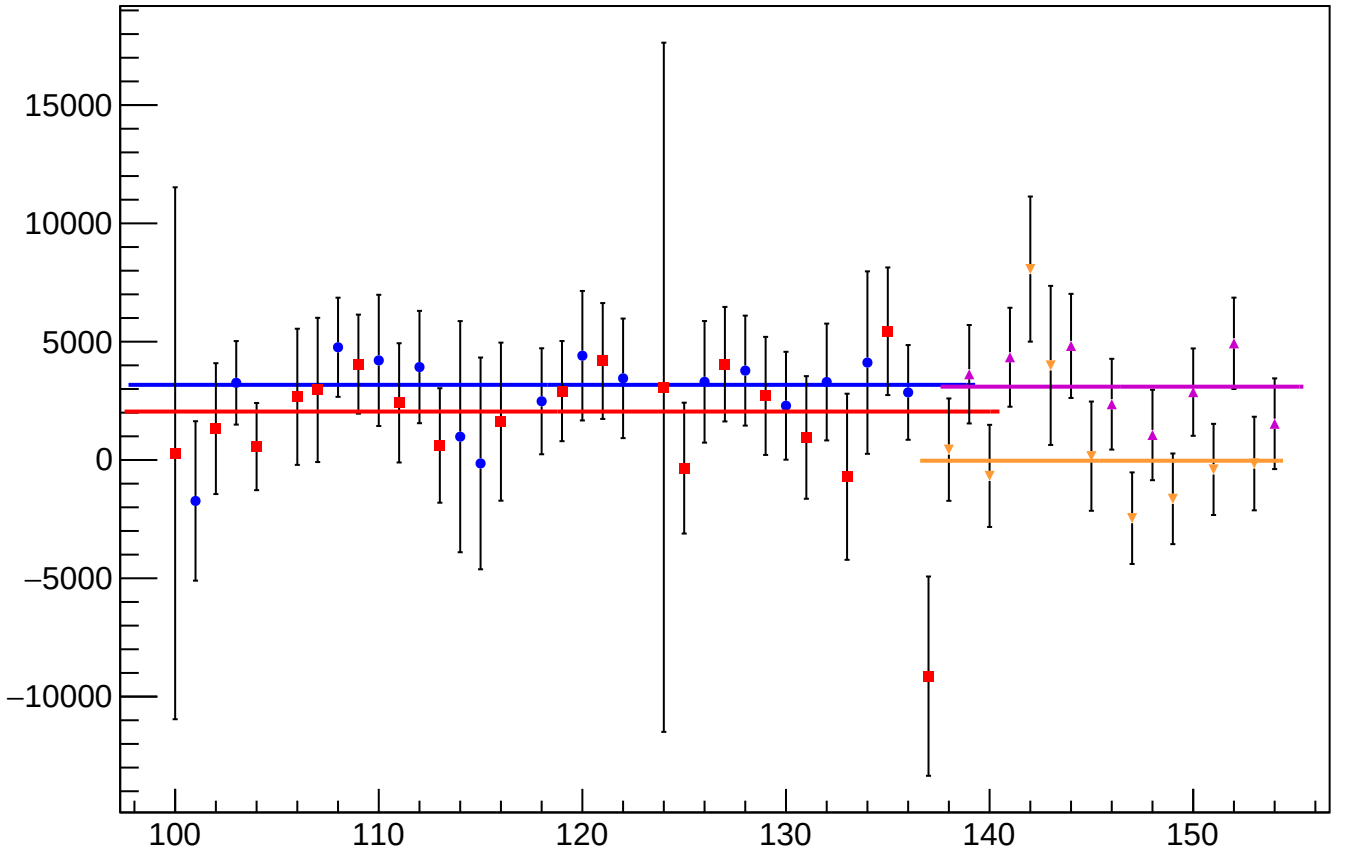
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -597.458+/-2076.298 χ^2/NDF:18.8/23

Out: 425.754+/-1776.392 χ^2/NDF:28.1/27

All: -6.682+/-1349.794 χ^2/NDF: 47.1/51


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
100
110
120
130
140
150
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 6525.281+/-1.841 χ²/NDF:1339958.8/8
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8292.848+/-2.246 χ²/NDF:329876.5/7
Left: 7235.509+/-1.424 χ²/NDF: 2040317.0/16
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 7682.768+/-1.468 χ²/NDF:961967.7/23
Out: 6373.133+/-1.256 χ²/NDF:2751820.8/27
All: 6926.618+/-0.954 χ²/NDF: 4173207.1/51



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: 3098.349+/-699.212 χ^2/NDF:3.9/7

Left: 1601.191+/-505.002 χ^2/NDF: 24.4/16

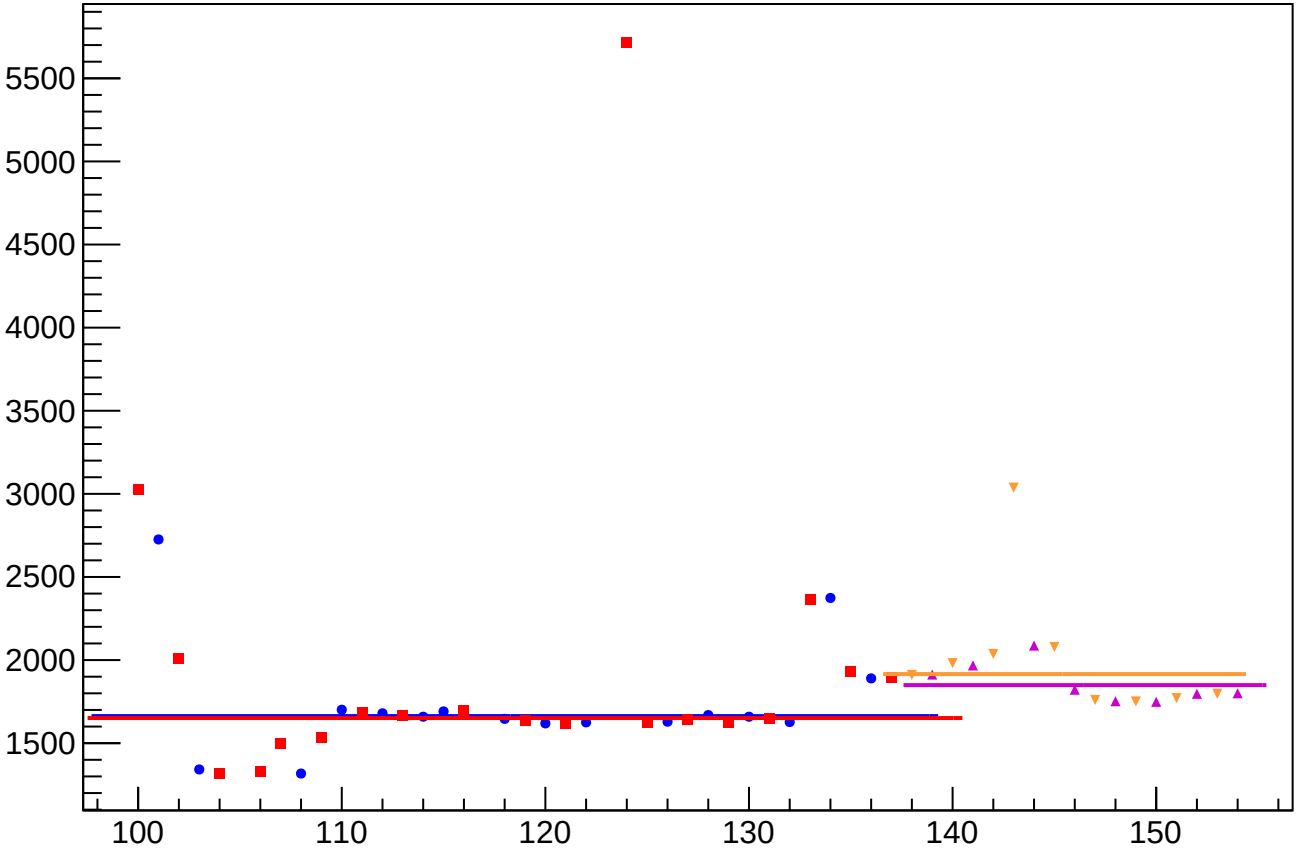
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3141.157+/-467.214 χ^2/NDF:8.2/23

Out: 1173.923+/-473.266 χ^2/NDF:29.6/27

All: 2170.199+/-332.489 χ^2/NDF: 46.6/51

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: 1849.418+/-0.494 χ^2/NDF:45885.6/7

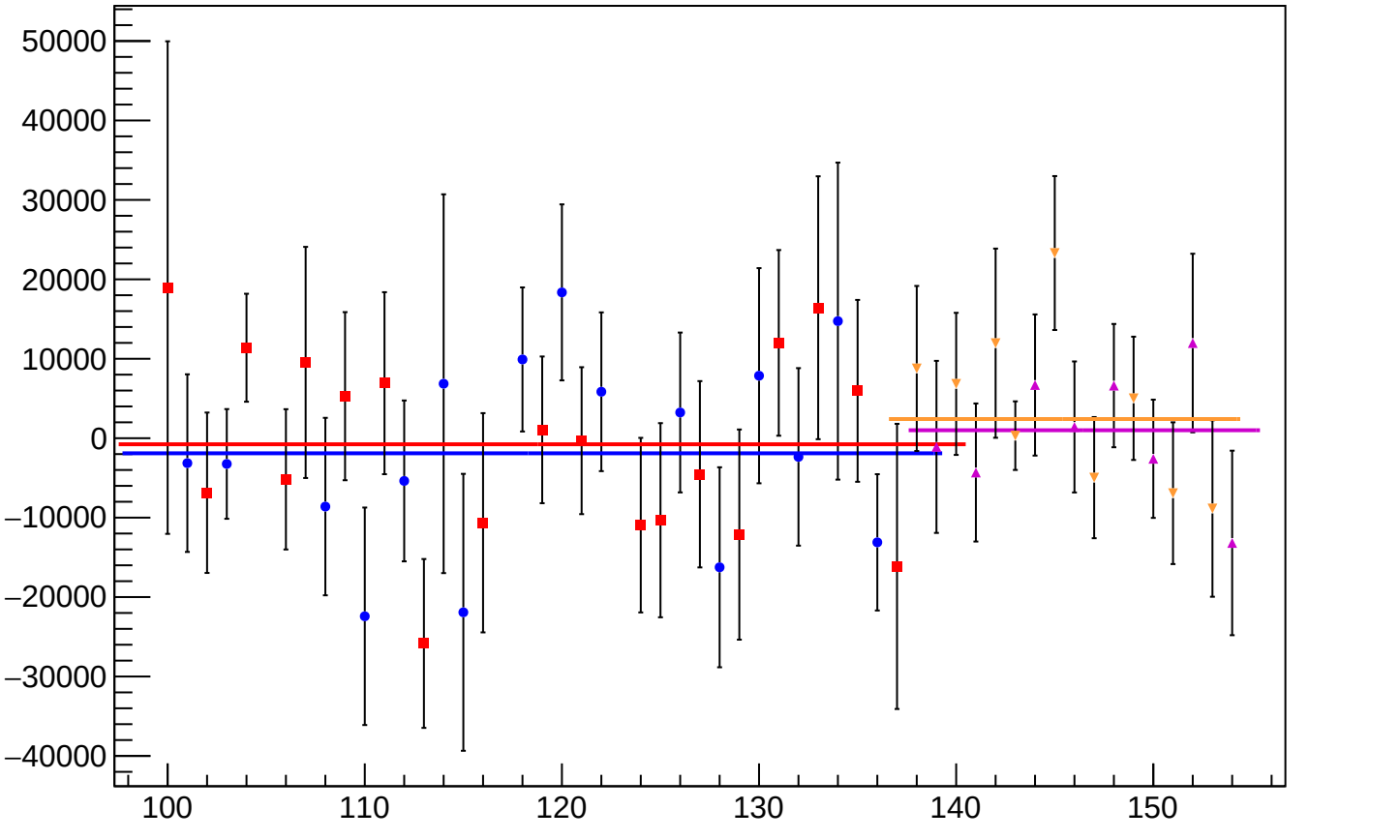
Left: 1881.146+/-0.357 χ^2/NDF: 338160.4/16

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1746.179+/-0.330 χ^2/NDF:540288.4/23

Out: 1762.413+/-0.335 χ^2/NDF:867732.1/27

All: 1754.192+/-0.235 χ^2/NDF: 1409212.3/51



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: 1002.443+/-3176.335 χ^2/NDF:4.0/7

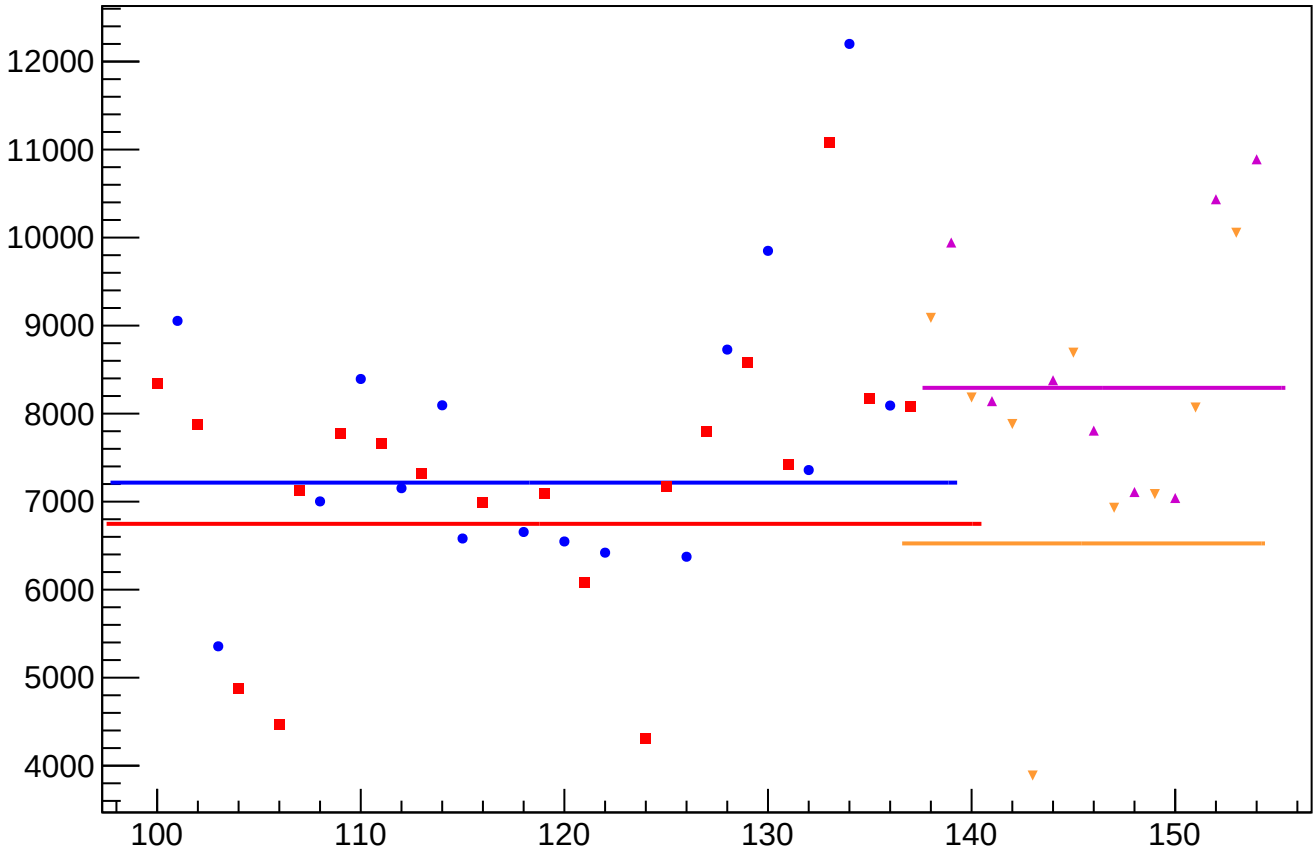
Left: 1846.478+/-2013.429 χ^2/NDF: 13.5/16

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -661.774+/-2074.708 χ^2/NDF:18.9/23

Out: 792.603+/-1821.638 χ^2/NDF:27.4/27

All: 159.480+/-1368.871 χ^2/NDF: 46.5/51



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: 8292.841+/-2.246 χ^2/NDF:329877.4/7

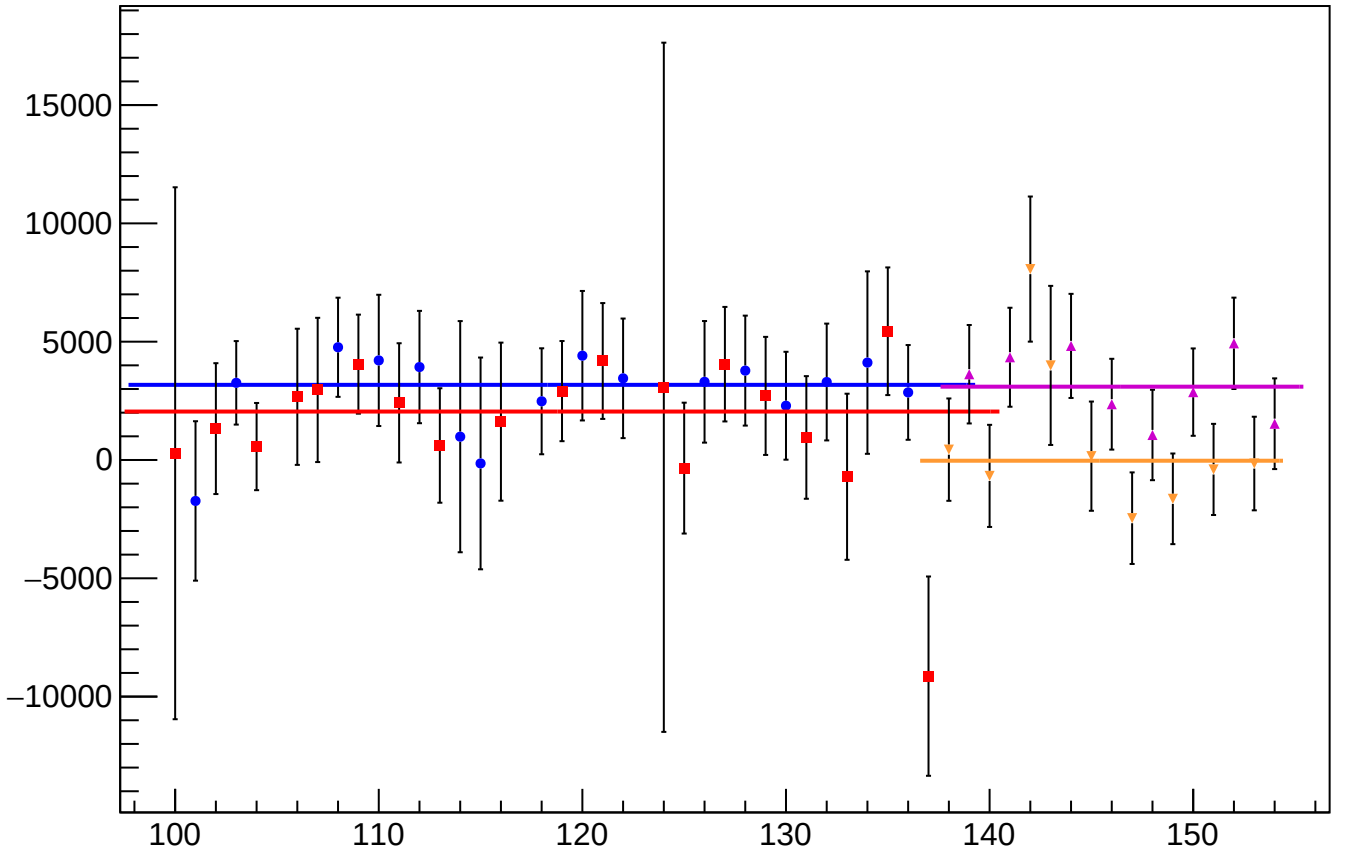
Left: 7235.481+/-1.424 χ^2/NDF: 2040370.4/16

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7675.440+/-1.467 χ^2/NDF:973794.4/23

Out: 6638.791+/-1.288 χ^2/NDF:2056245.5/27

All: 7090.067+/-0.968 χ^2/NDF: 3311995.2/51



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: 3098.349+/-699.212 χ^2/NDF:3.9/7

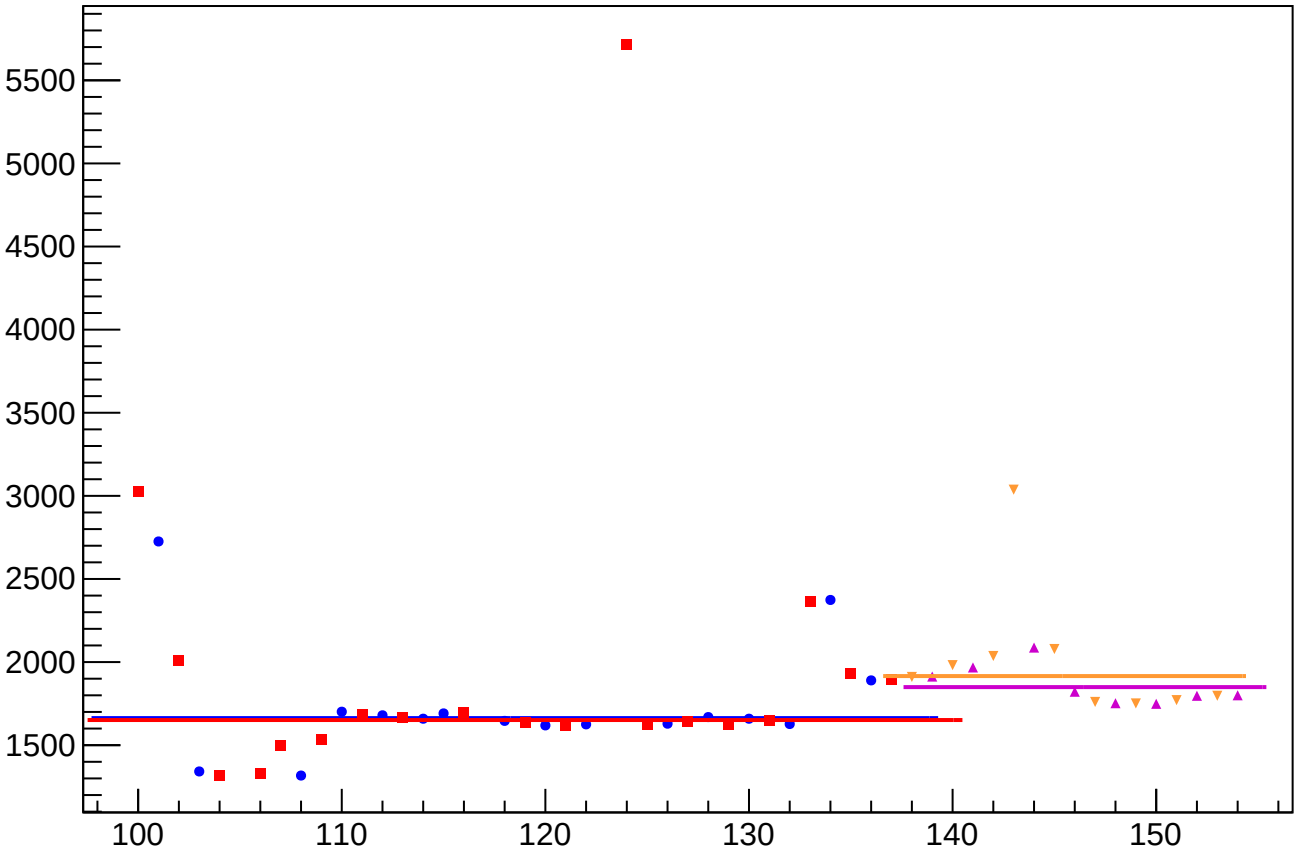
Left: 1601.191+/-505.002 χ^2/NDF: 24.4/16

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3141.157+/-467.214 χ^2/NDF:8.2/23

Out: 1173.923+/-473.266 χ^2/NDF:29.6/27

All: 2170.199+/-332.489 χ^2/NDF: 46.6/51


eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected
5500
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110
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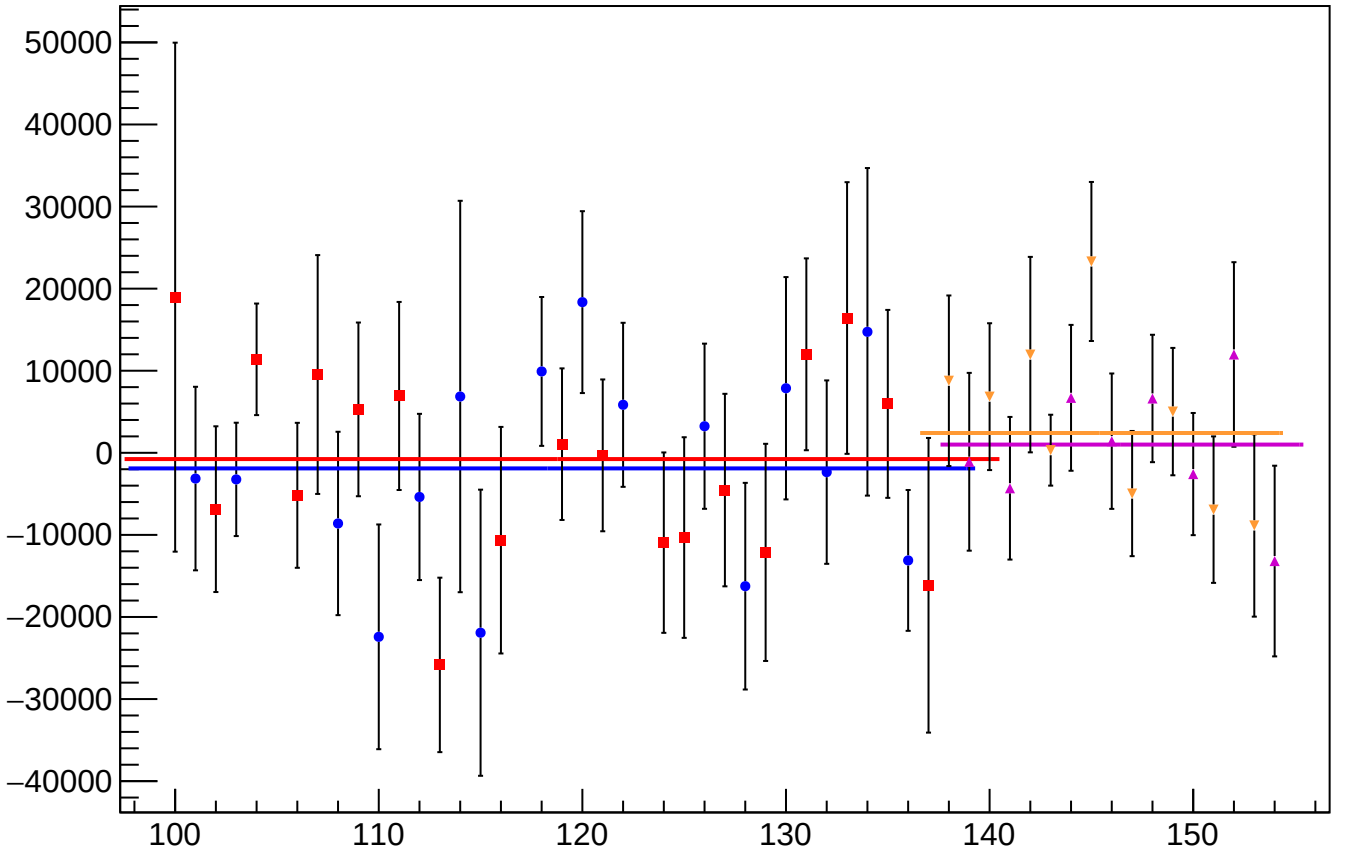
130
140
150
Right In: 1662.901+/-0.444 χ²/NDF: 415631.0/15
Left Out: 1915.745+/-0.516 χ²/NDF:283665.9/8
Right Out: 1651.322+/-0.439 χ²/NDF: 431965.2/18
Left In: 1849.418+/-0.494 χ²/NDF:45885.6/7
Left: 1881.146+/-0.357 χ²/NDF: 338160.4/16
Right: 1657.051+/-0.312 χ²/NDF: 847939.7/34
In: 1746.179+/-0.330 χ²/NDF:540288.4/23
Out: 1762.413+/-0.335 χ²/NDF:867732.1/27
All: 1754.192+/-0.235 χ²/NDF: 1409212.3/51



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: 1002.443+/-3176.335 χ^2/NDF:4.0/7

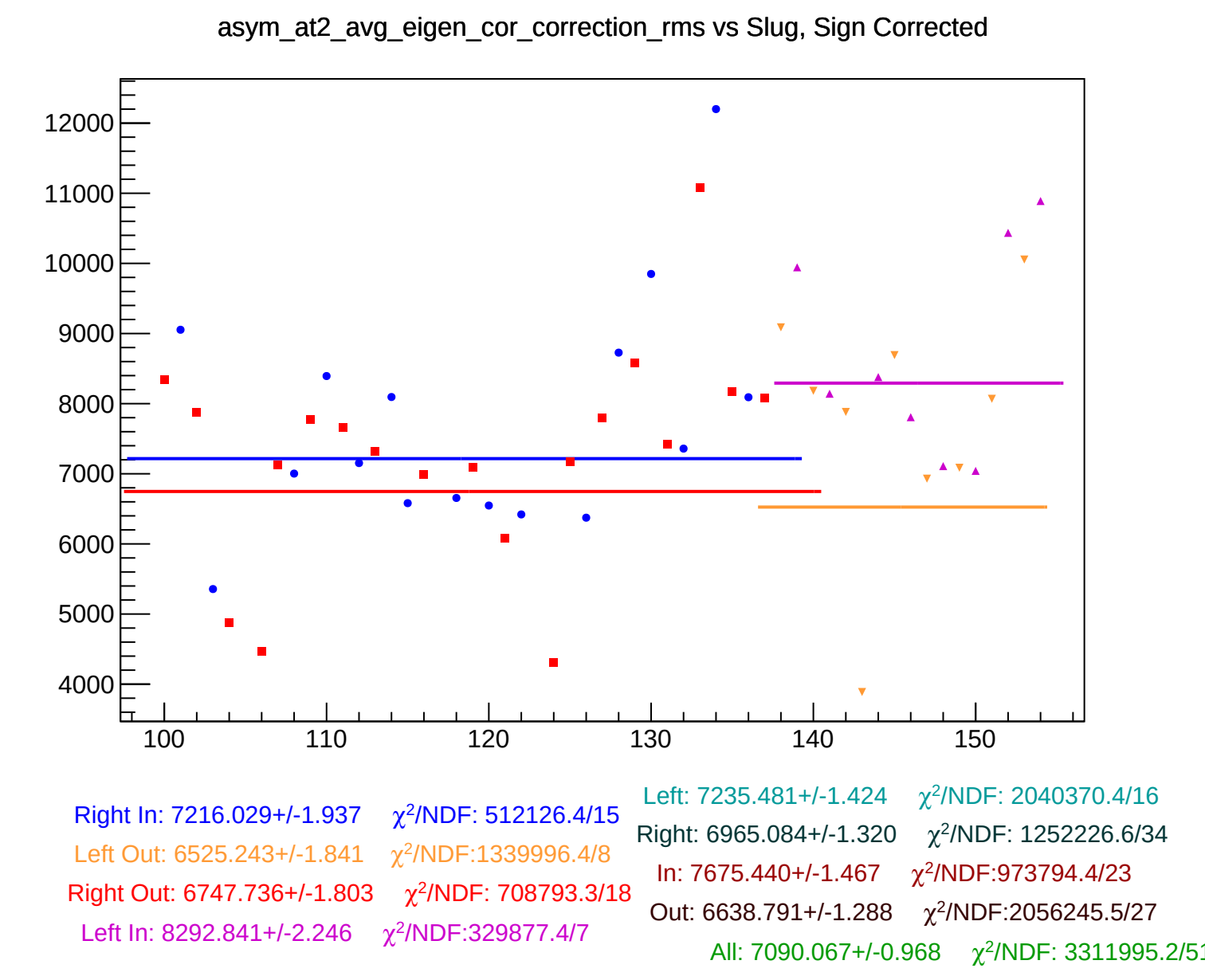
Left: 1846.478+/-2013.429 χ^2/NDF: 13.5/16

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -661.774+/-2074.708 χ^2/NDF:18.9/23

Out: 792.603+/-1821.638 χ^2/NDF:27.4/27

All: 159.480+/-1368.871 χ^2/NDF: 46.5/51


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
12000
11000
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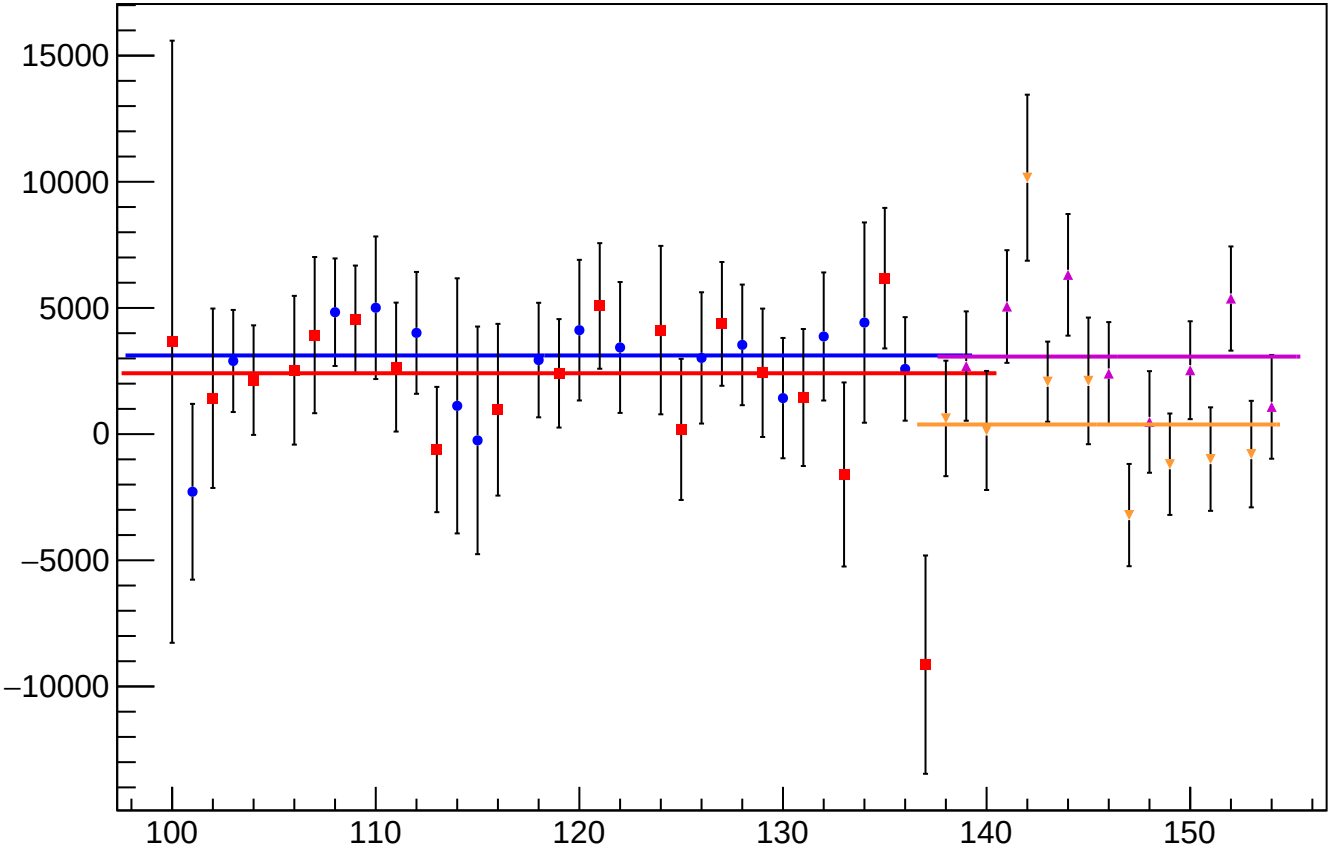
150
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 6525.243+/-1.841 χ²/NDF:1339996.4/8
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 8292.841+/-2.246 χ²/NDF:329877.4/7
Left: 7235.481+/-1.424 χ²/NDF: 2040370.4/16
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 7675.440+/-1.467 χ²/NDF:973794.4/23
Out: 6638.791+/-1.288 χ²/NDF:2056245.5/27
All: 7090.067+/-0.968 χ²/NDF: 3311995.2/51

dit_asym_at2_avg_mean vs Slug, Sign Corrected



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: 3072.802+/-743.282 χ^2/NDF:6.6/7

Left: 1669.808+/-514.209 χ^2/NDF: 28.5/16

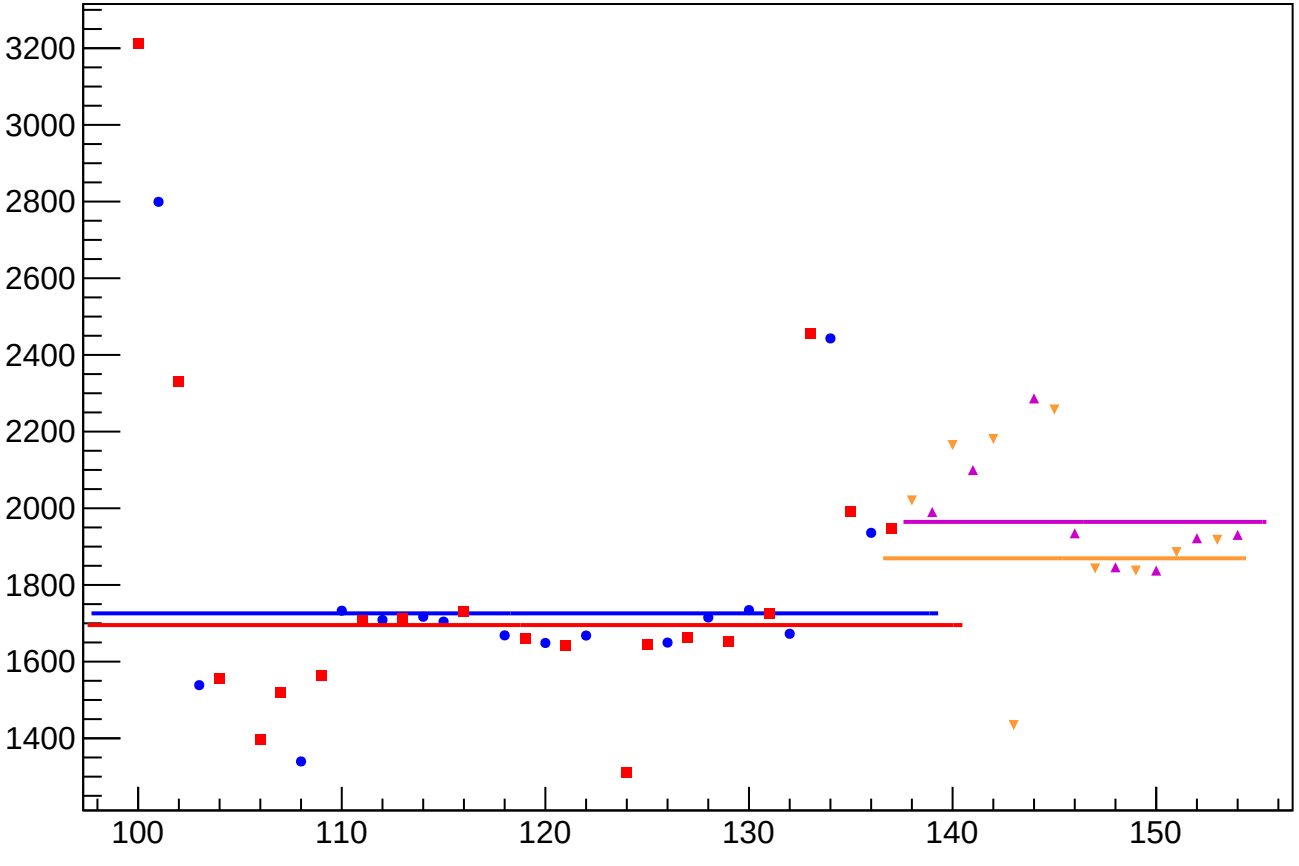
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3098.307+/-489.773 χ^2/NDF:12.0/23

Out: 1506.767+/-475.606 χ^2/NDF:35.5/27

All: 2279.186+/-341.203 χ^2/NDF: 52.9/51

dit_asym_at2_avg_rms vs Slug, Sign Corrected



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: 1964.492+/-0.526 χ^2/NDF:60656.5/7

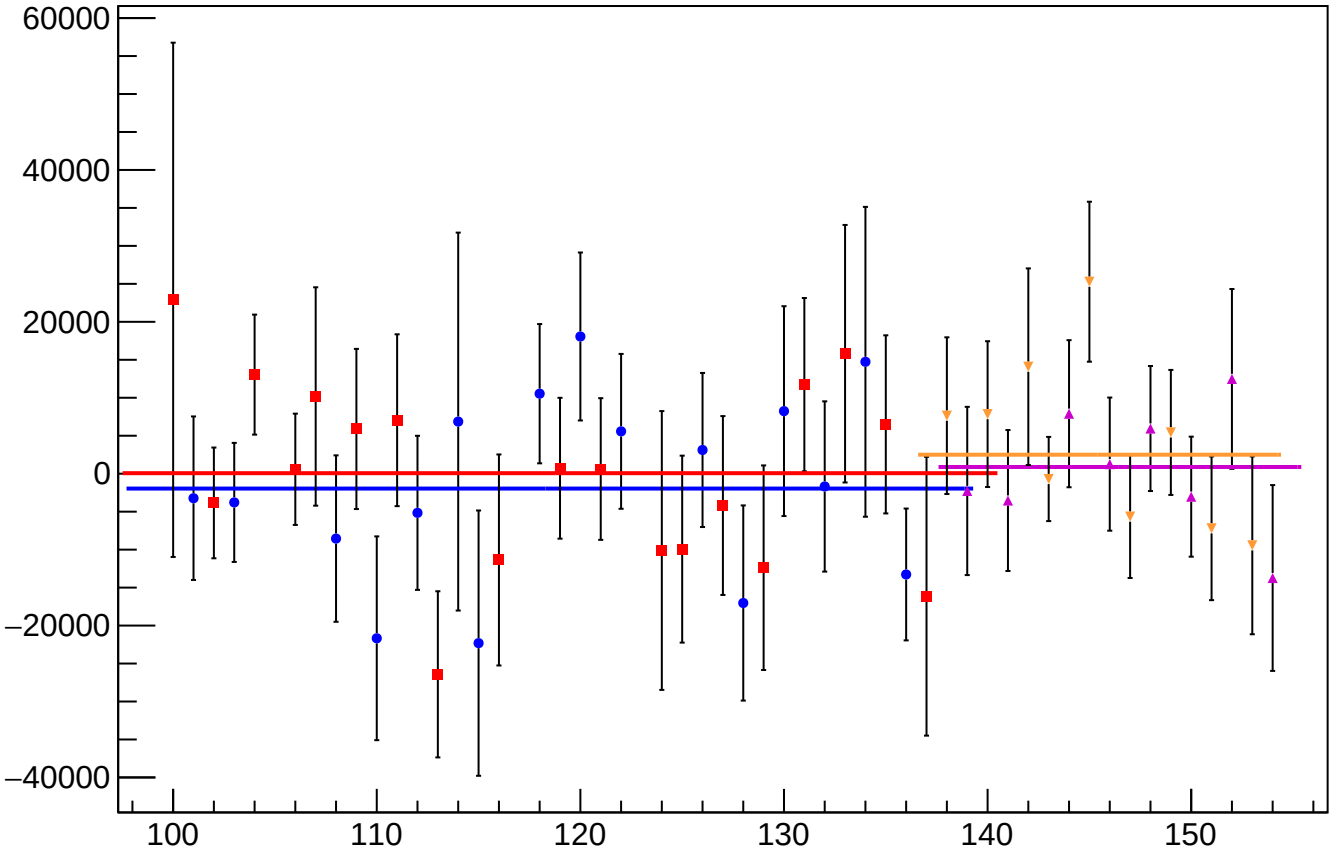
Left: 1914.961+/-0.364 χ^2/NDF: 335518.0/16

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1829.501+/-0.346 χ^2/NDF:542886.4/23

Out: 1773.017+/-0.336 χ^2/NDF:609698.0/27

All: 1800.424+/-0.241 χ^2/NDF: 1166277.7/51



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: 883.096+/-3370.758 χ^2/NDF:3.8/7

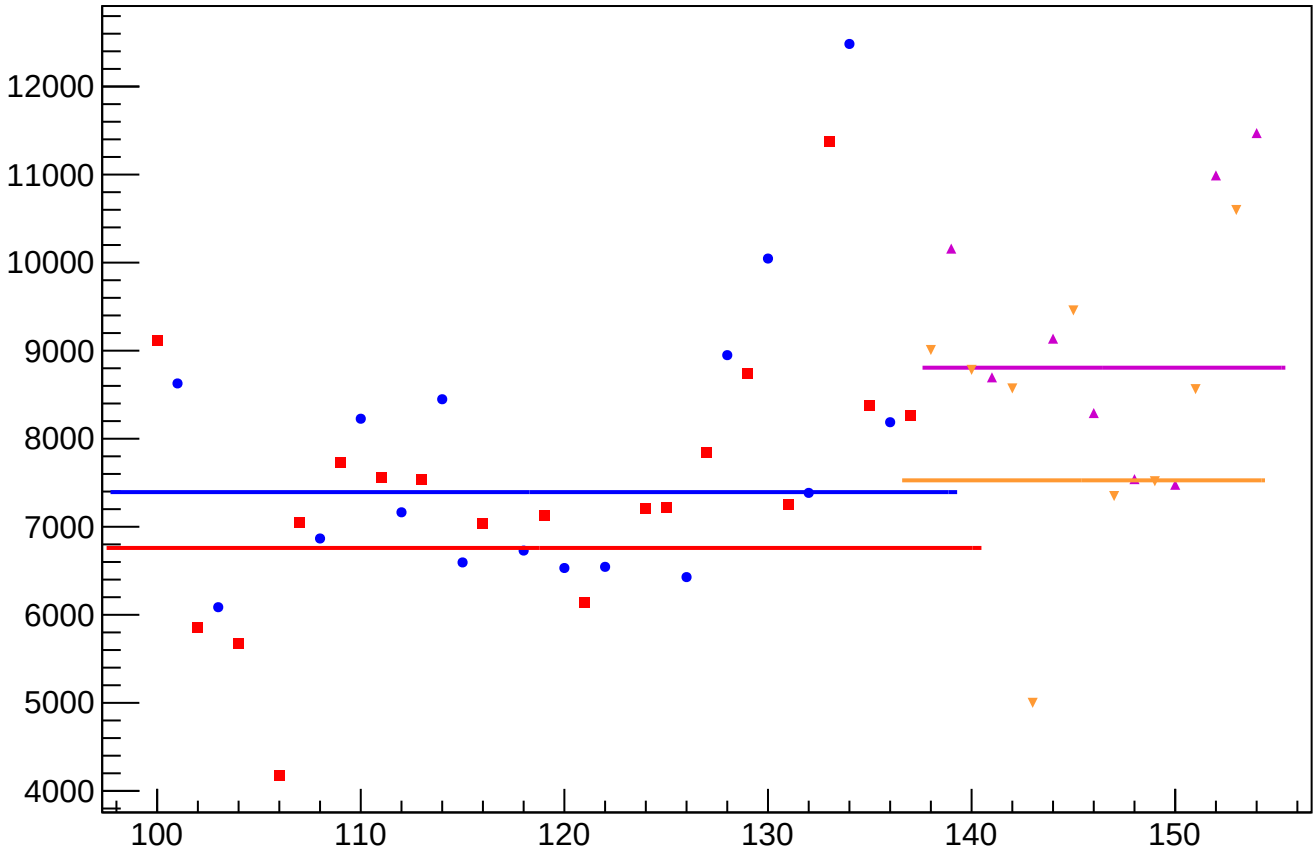
Left: 1804.311+/-2212.448 χ^2/NDF: 13.6/16

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -799.168+/-2153.064 χ^2/NDF:18.7/23

Out: 1106.285+/-1915.417 χ^2/NDF:26.1/27

All: 264.481+/-1431.078 χ^2/NDF: 45.2/51



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: 8806.634+/-2.383 χ^2/NDF:306090.5/7

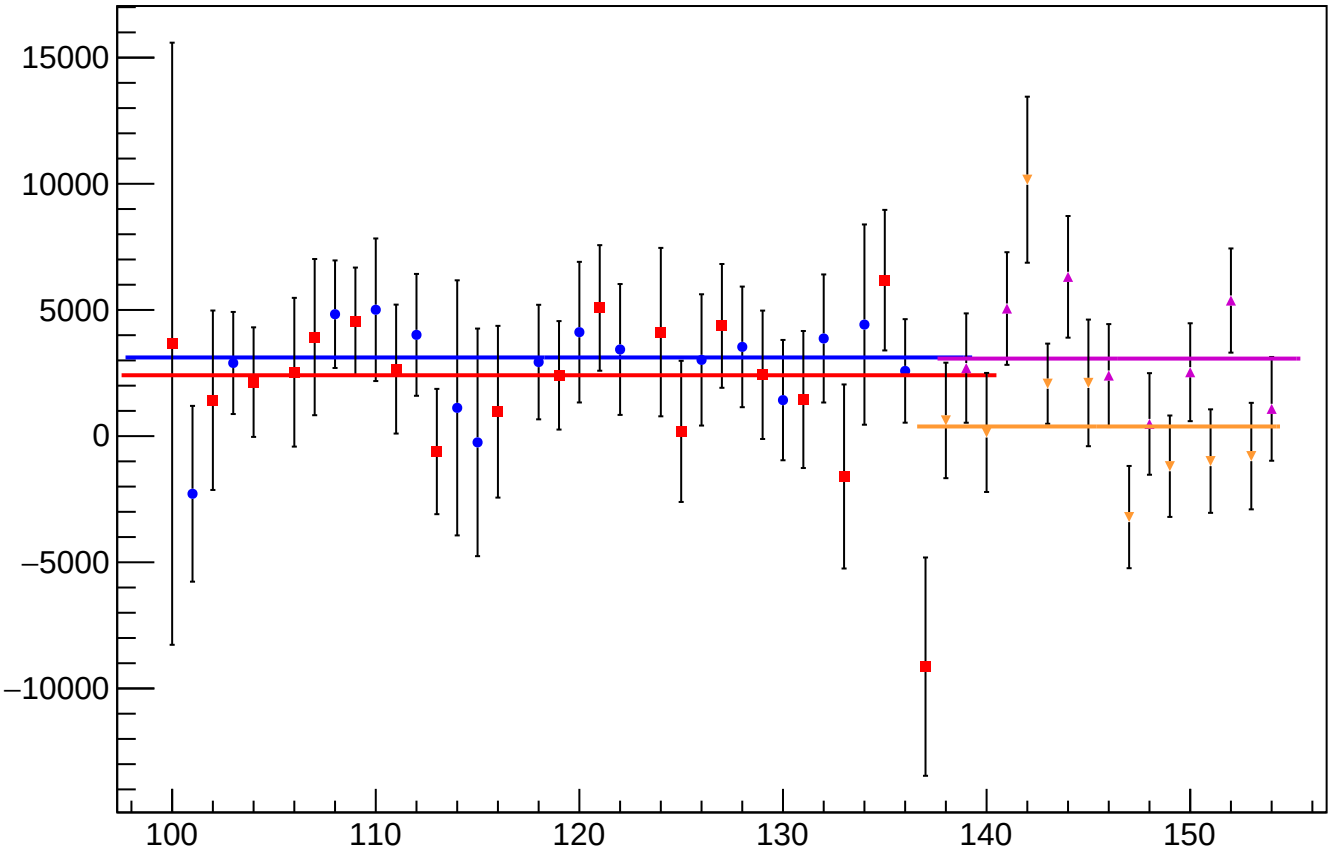
Left: 8078.414+/-1.564 χ^2/NDF: 1203525.1/16

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7970.129+/-1.522 χ^2/NDF:915977.3/23

Out: 7086.980+/-1.354 χ^2/NDF:1456334.8/27

All: 7477.144+/-1.012 χ^2/NDF: 2560150.3/51



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: 3072.798+/-743.283 χ^2/NDF:6.6/7

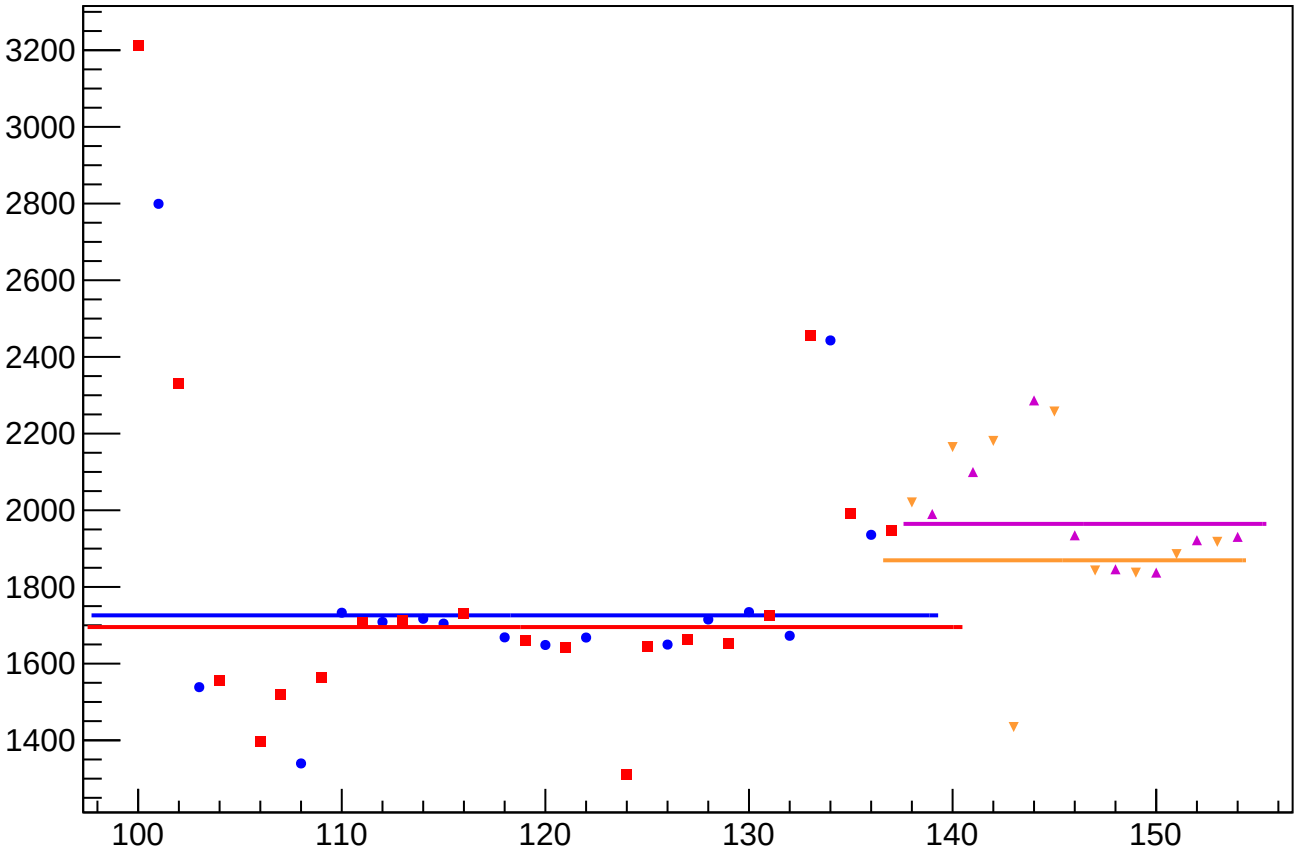
Left: 1669.804+/-514.210 χ^2/NDF: 28.5/16

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3098.306+/-489.773 χ^2/NDF:12.0/23

Out: 1506.772+/-475.606 χ^2/NDF:35.5/27

All: 2279.189+/-341.203 χ^2/NDF: 52.9/51



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: 1964.495+/-0.526 χ^2/NDF:60656.8/7

Left: 1914.964+/-0.364 χ^2/NDF: 335518.9/16

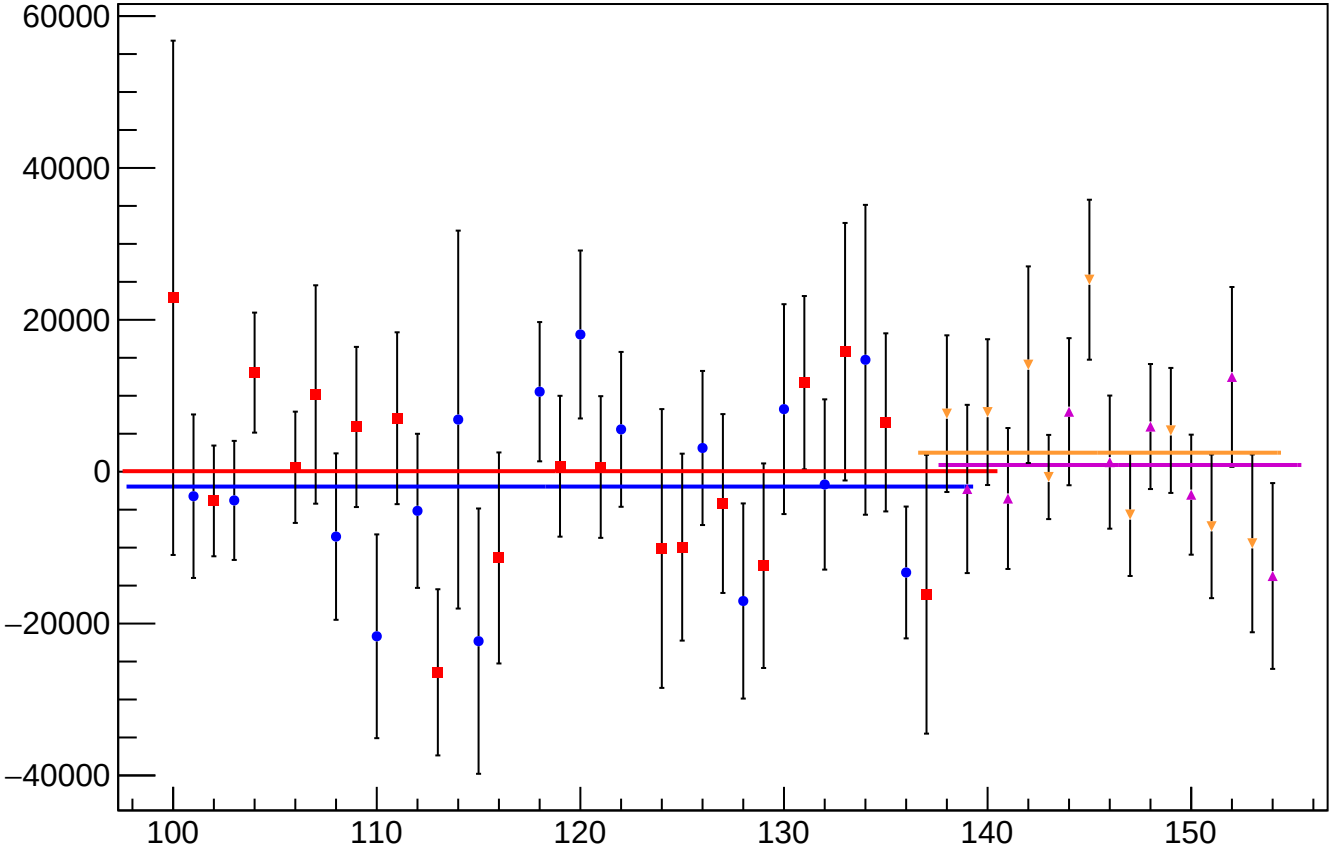
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1829.502+/-0.346 χ^2/NDF:542889.7/23

Out: 1773.018+/-0.336 χ^2/NDF:609700.6/27

All: 1800.425+/-0.241 χ^2/NDF: 1166283.7/51

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: 883.092+/-3370.763 χ^2/NDF:3.8/7

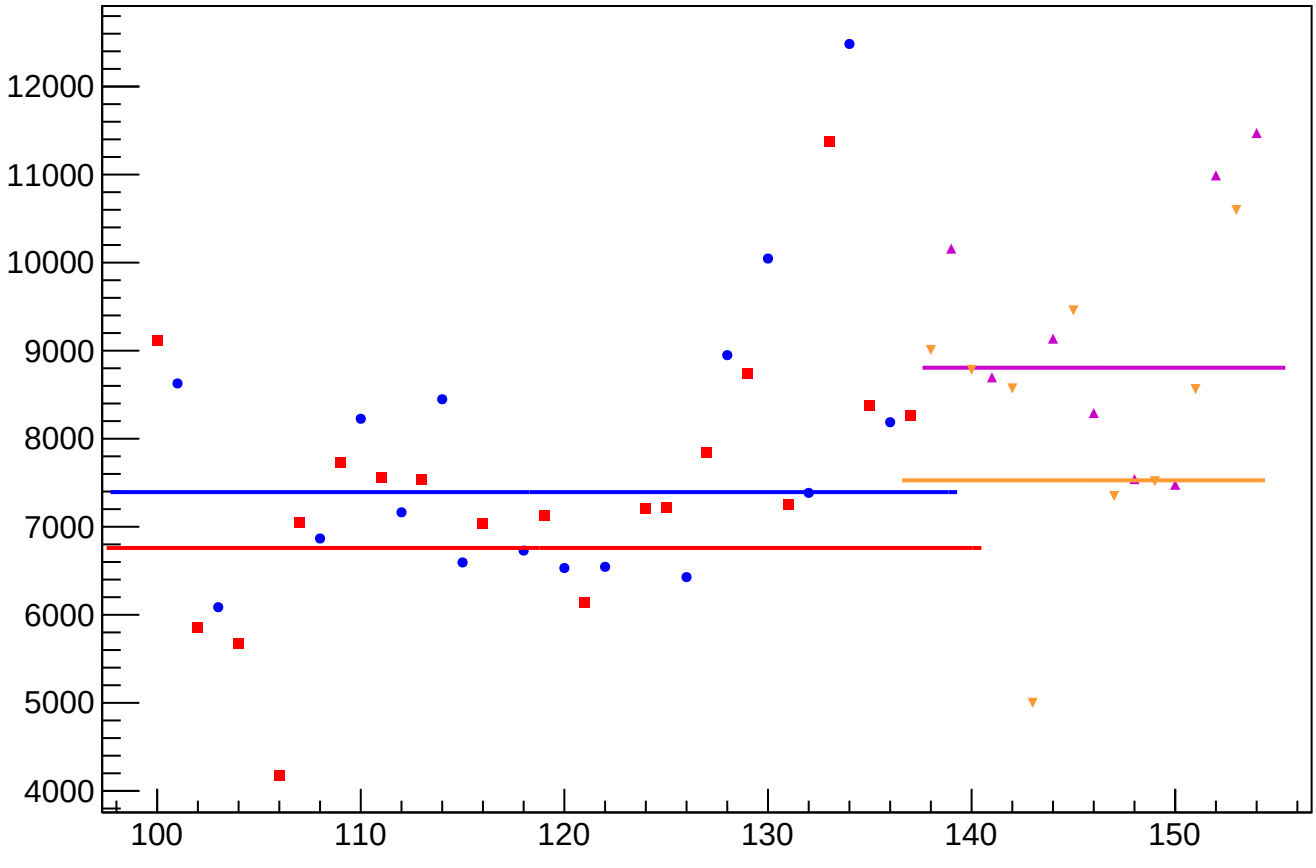
Left: 1804.306+/-2212.451 χ^2/NDF: 13.6/16

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -799.162+/-2153.062 χ^2/NDF:18.7/23

Out: 1106.282+/-1915.415 χ^2/NDF:26.1/27

All: 264.482+/-1431.077 χ^2/NDF: 45.2/51



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: 8806.645+/-2.383 χ^2/NDF:306091.0/7

Left: 8078.425+/-1.564 χ^2/NDF: 1203524.8/16

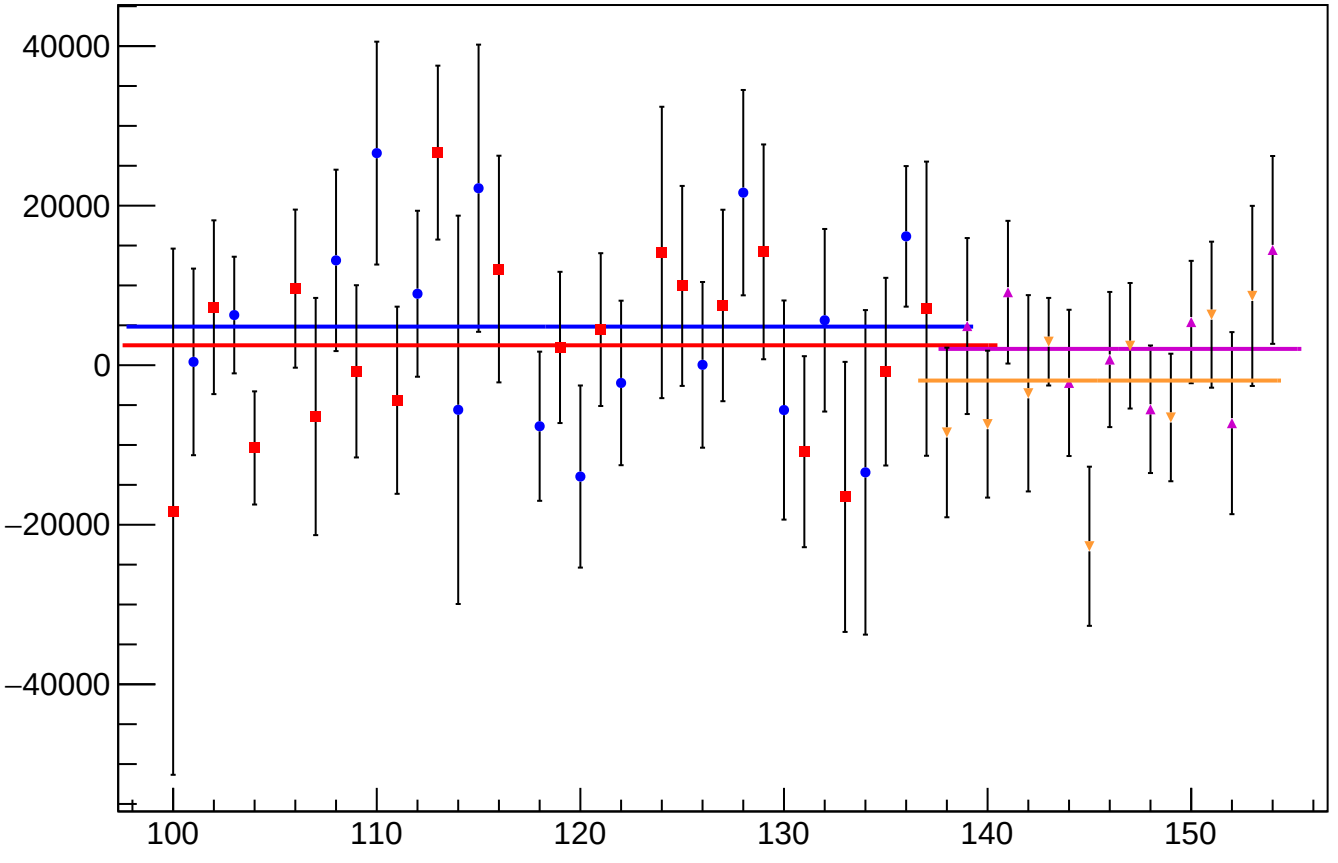
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7970.121+/-1.522 χ^2/NDF:915988.6/23

Out: 7086.975+/-1.354 χ^2/NDF:1456338.4/27

All: 7477.137+/-1.012 χ^2/NDF: 2560164.1/51

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: 2043.692+/-3260.159 χ^2/NDF:3.8/7

Left: -197.268+/-2150.979 χ^2/NDF: 12.8/16

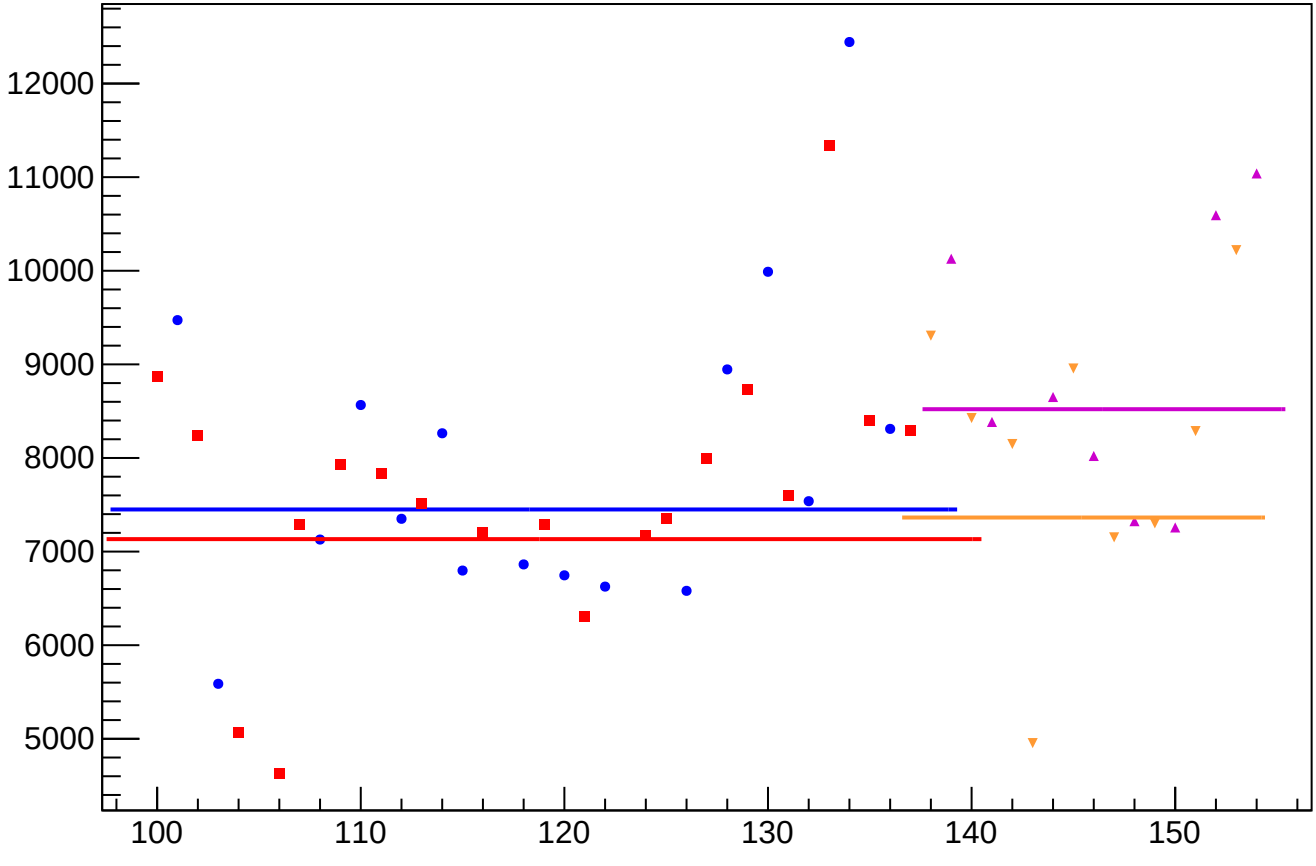
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3637.655+/-2136.664 χ^2/NDF:18.6/23

Out: 418.143+/-1962.368 χ^2/NDF:24.4/27

All: 1891.248+/-1445.300 χ^2/NDF: 44.2/51

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: 8521.140+/-2.305 χ^2/NDF:306820.5/7

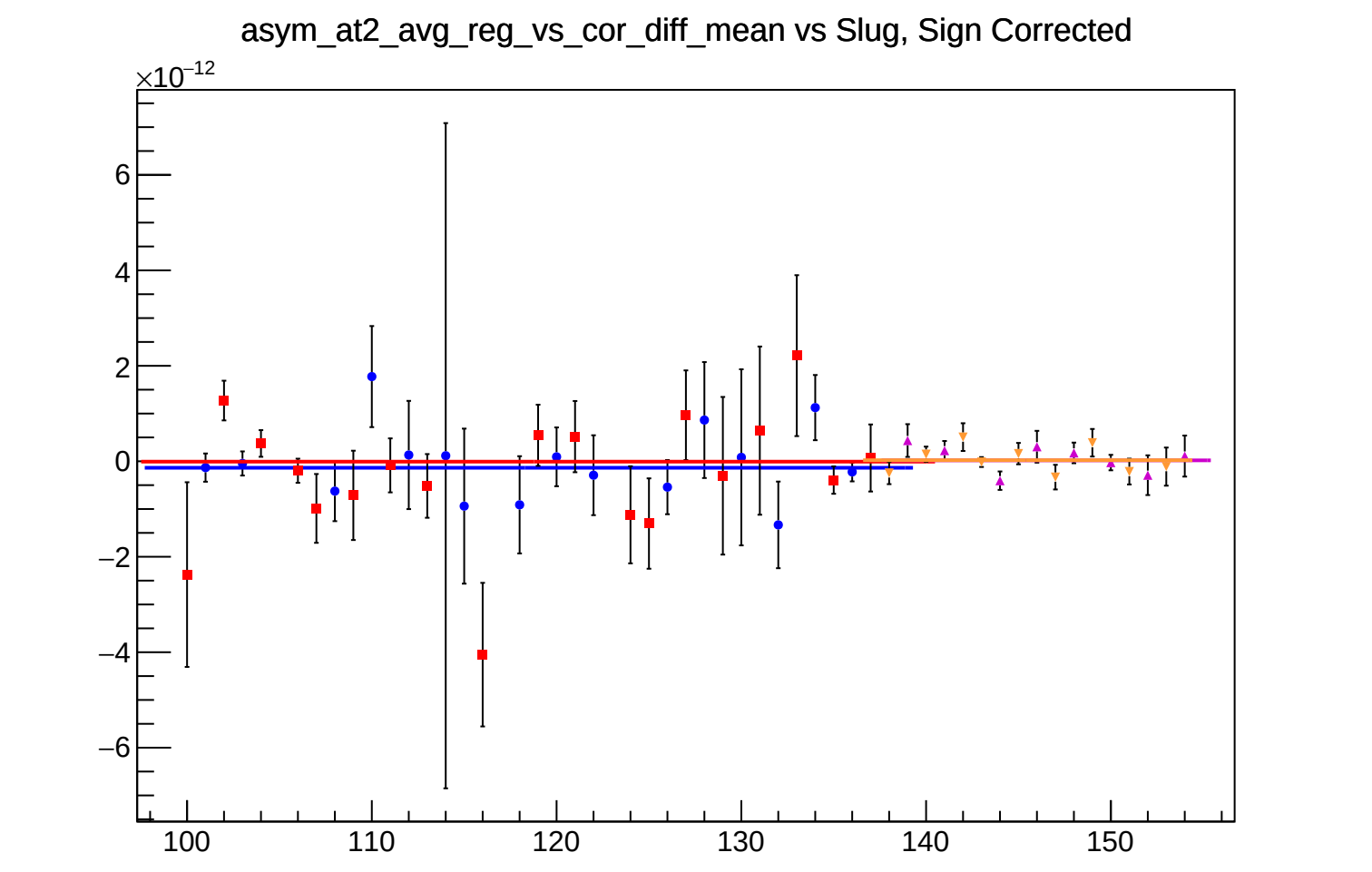
Left: 7867.684+/-1.521 χ^2/NDF: 1136833.1/16

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7910.075+/-1.511 χ^2/NDF:916414.5/23

Out: 7241.602+/-1.388 χ^2/NDF:1251610.5/27

All: 7547.455+/-1.022 χ^2/NDF: 2274218.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/8

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/7

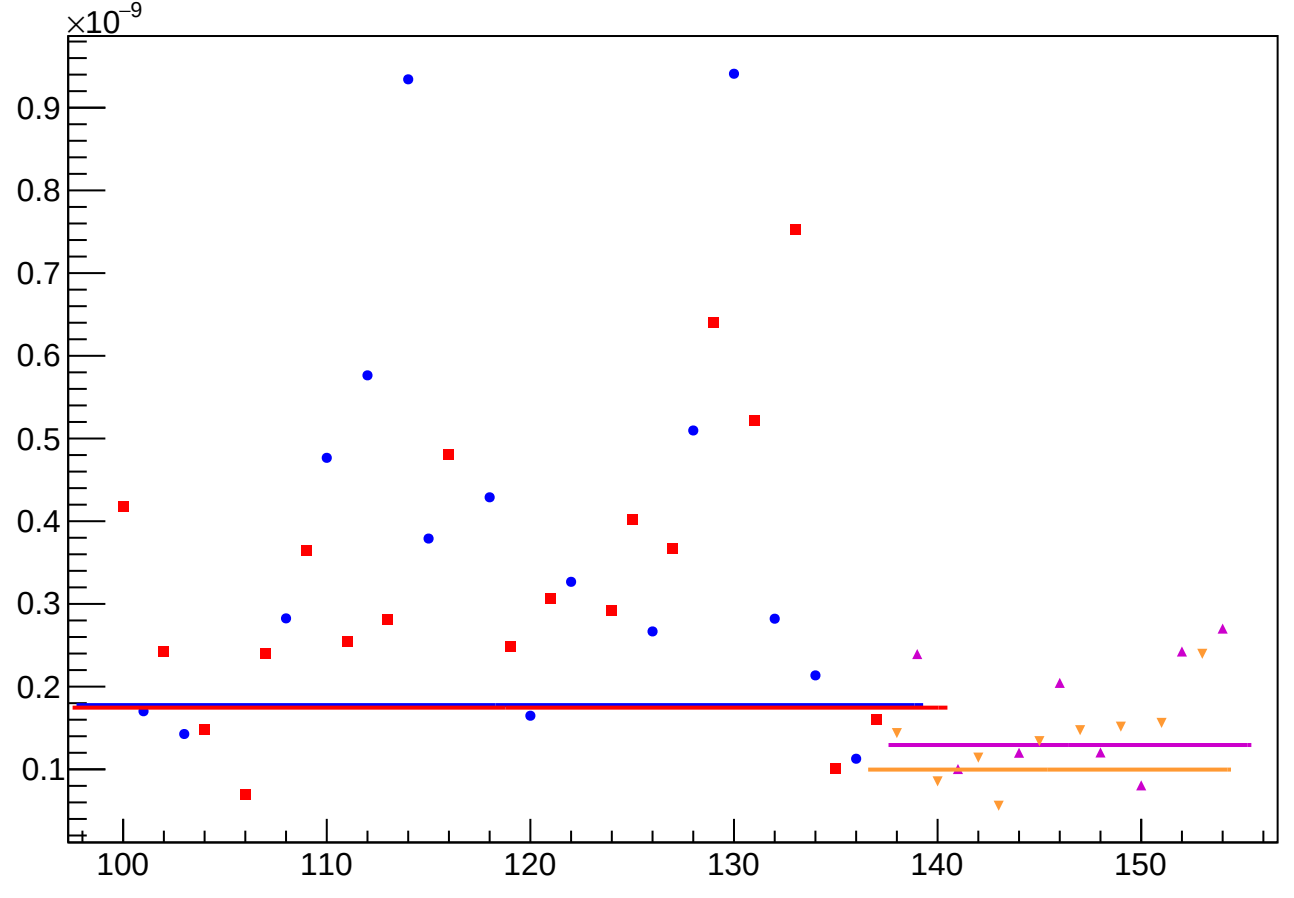
Left: 0.000+/-0.000 χ^2/NDF: 18.9/16

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:22.0/23

Out: 0.000+/-0.000 χ^2/NDF:42.4/27

All: -0.000+/-0.000 χ^2/NDF: 64.7/51



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:900810.2/7

Left: 0.000+/-0.000 χ^2/NDF: 2017547.3/16

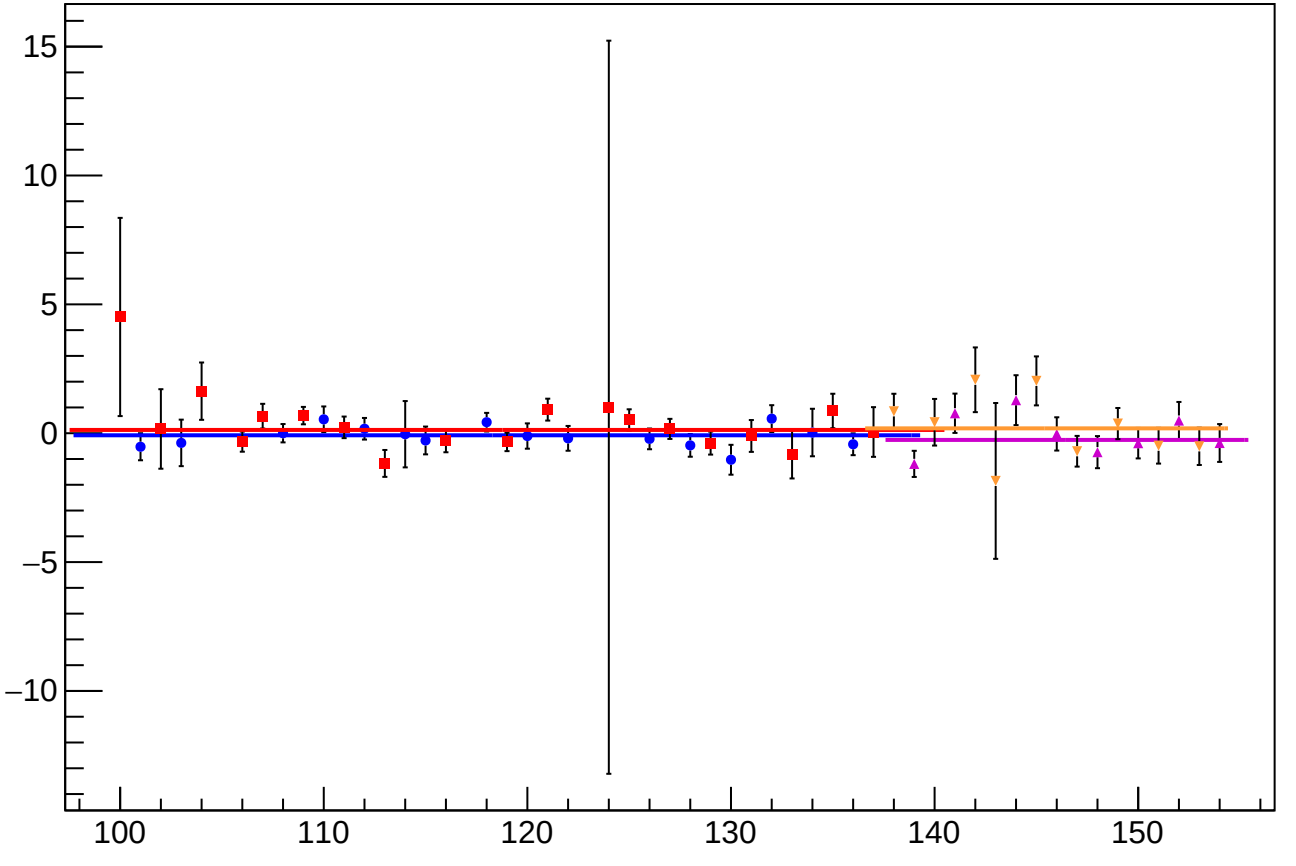
Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2647259.5/23

Out: 0.000+/-0.000 χ^2/NDF:3180442.8/27

All: 0.000+/-0.000 χ^2/NDF: 6034870.4/51

asym_at2_avg_dit_vs_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: -0.260+/-0.234 χ^2/NDF:9.6/7

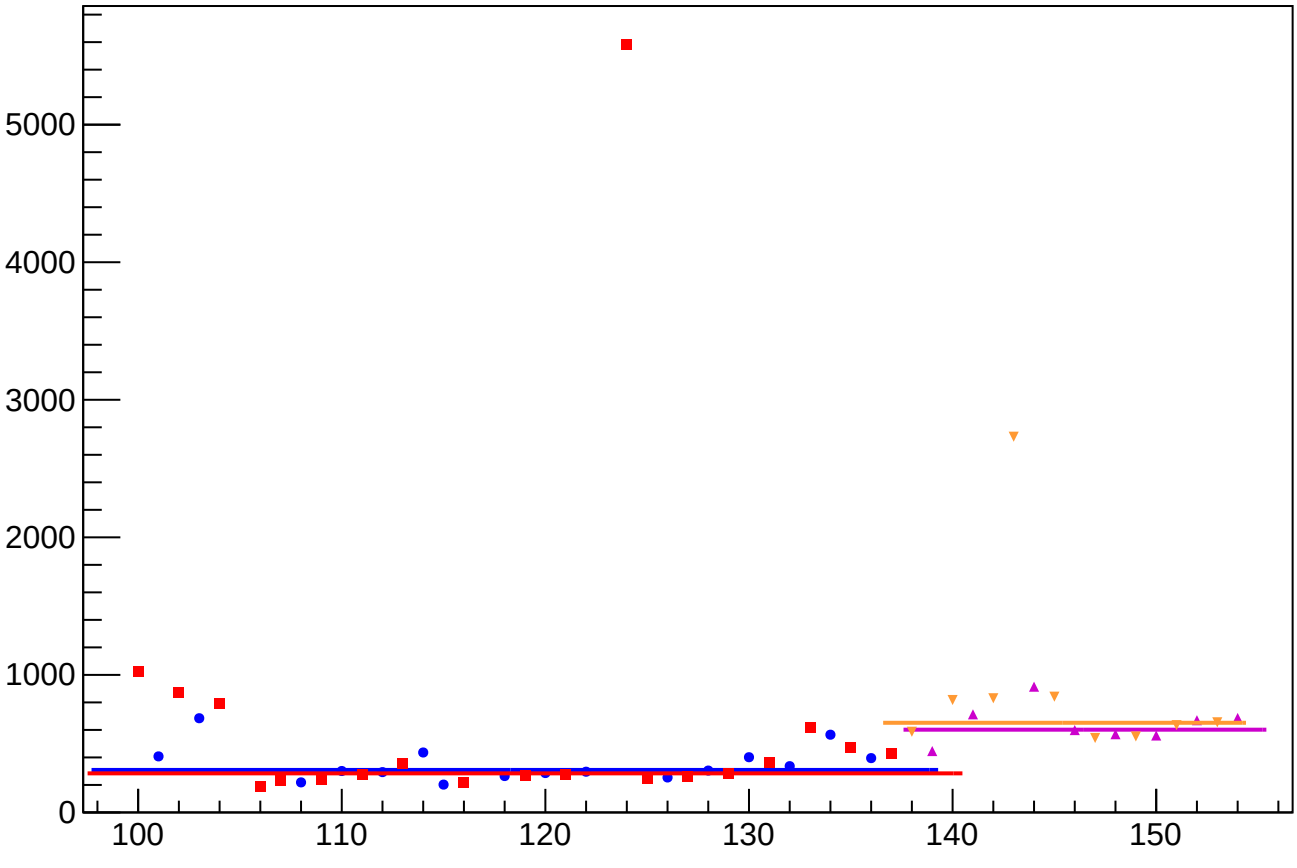
Left: -0.059+/-0.174 χ^2/NDF: 22.9/16

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.118+/-0.108 χ^2/NDF:20.8/23

Out: 0.138+/-0.107 χ^2/NDF:37.0/27

All: 0.011+/-0.076 χ^2/NDF: 60.6/51



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: 601.680+/-0.165 χ^2/NDF:500097.2/7

Left: 624.105+/-0.123 χ^2/NDF: 1816878.0/16

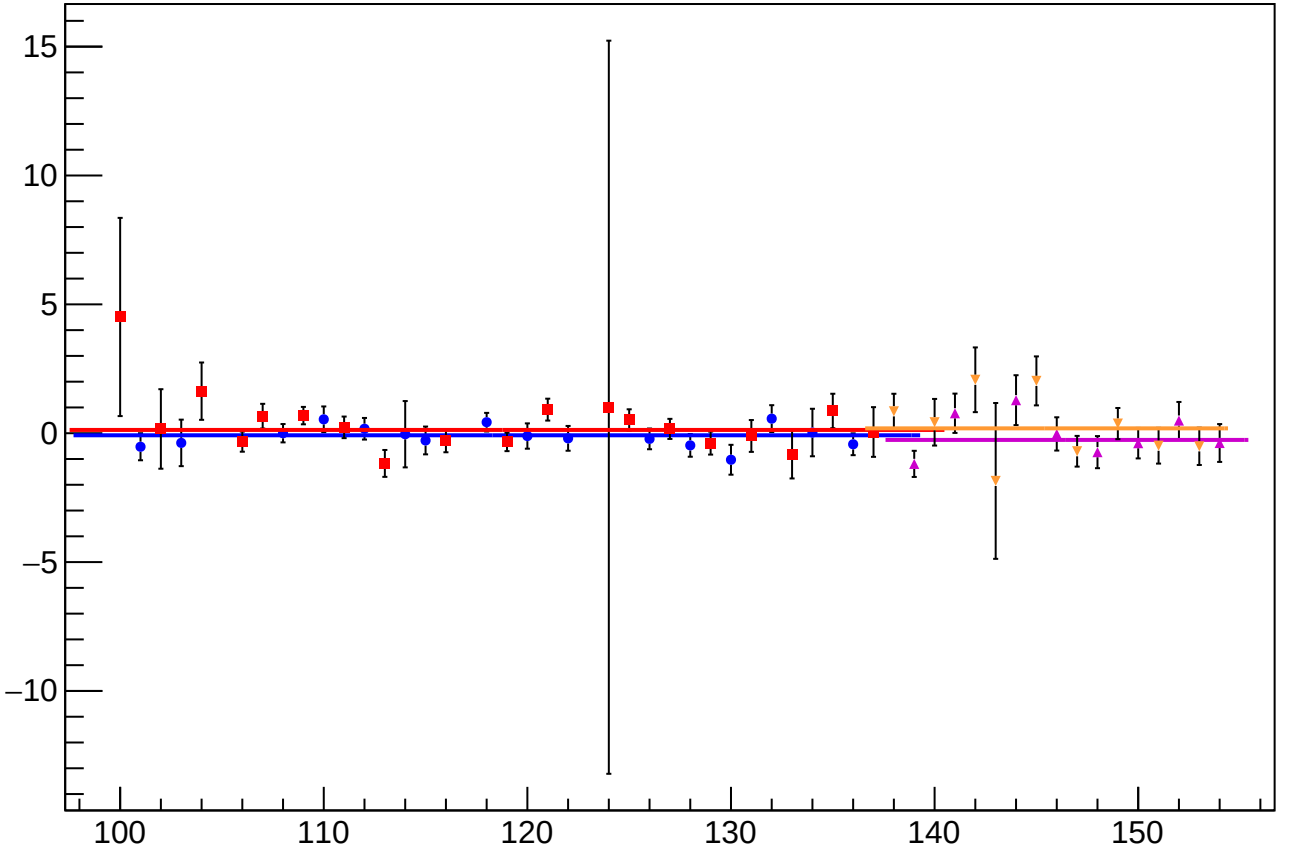
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 371.587+/-0.076 χ^2/NDF:3977076.3/23

Out: 345.913+/-0.075 χ^2/NDF:6453103.8/27

All: 358.580+/-0.054 χ^2/NDF: 10487364.8/51

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.189+/-0.260 χ^2/NDF:11.7/8

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.260+/-0.234 χ^2/NDF:9.6/7

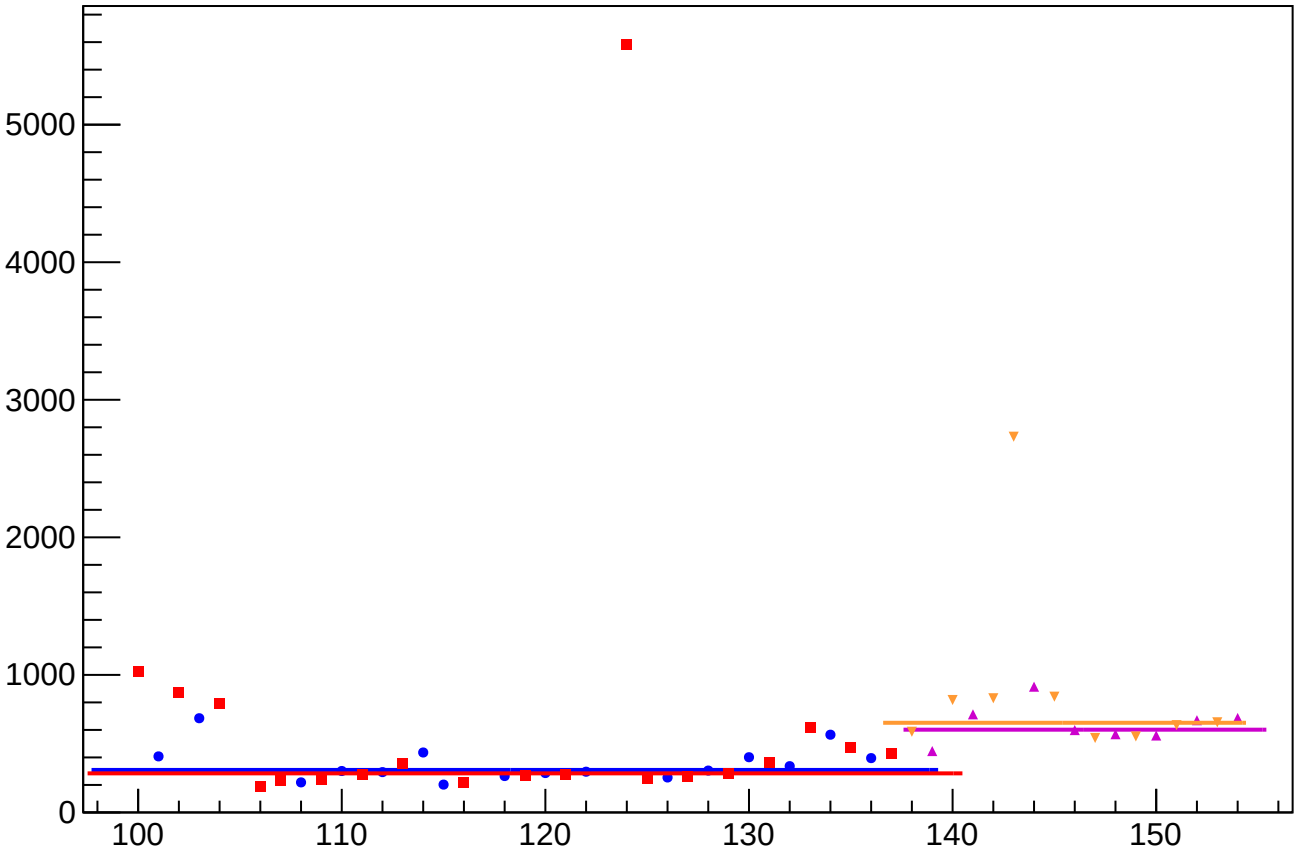
Left: -0.059+/-0.174 χ^2/NDF: 22.9/16

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.118+/-0.108 χ^2/NDF:20.8/23

Out: 0.138+/-0.107 χ^2/NDF:37.0/27

All: 0.011+/-0.076 χ^2/NDF: 60.6/51



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: 601.680+/-0.165 χ^2/NDF:500097.2/7

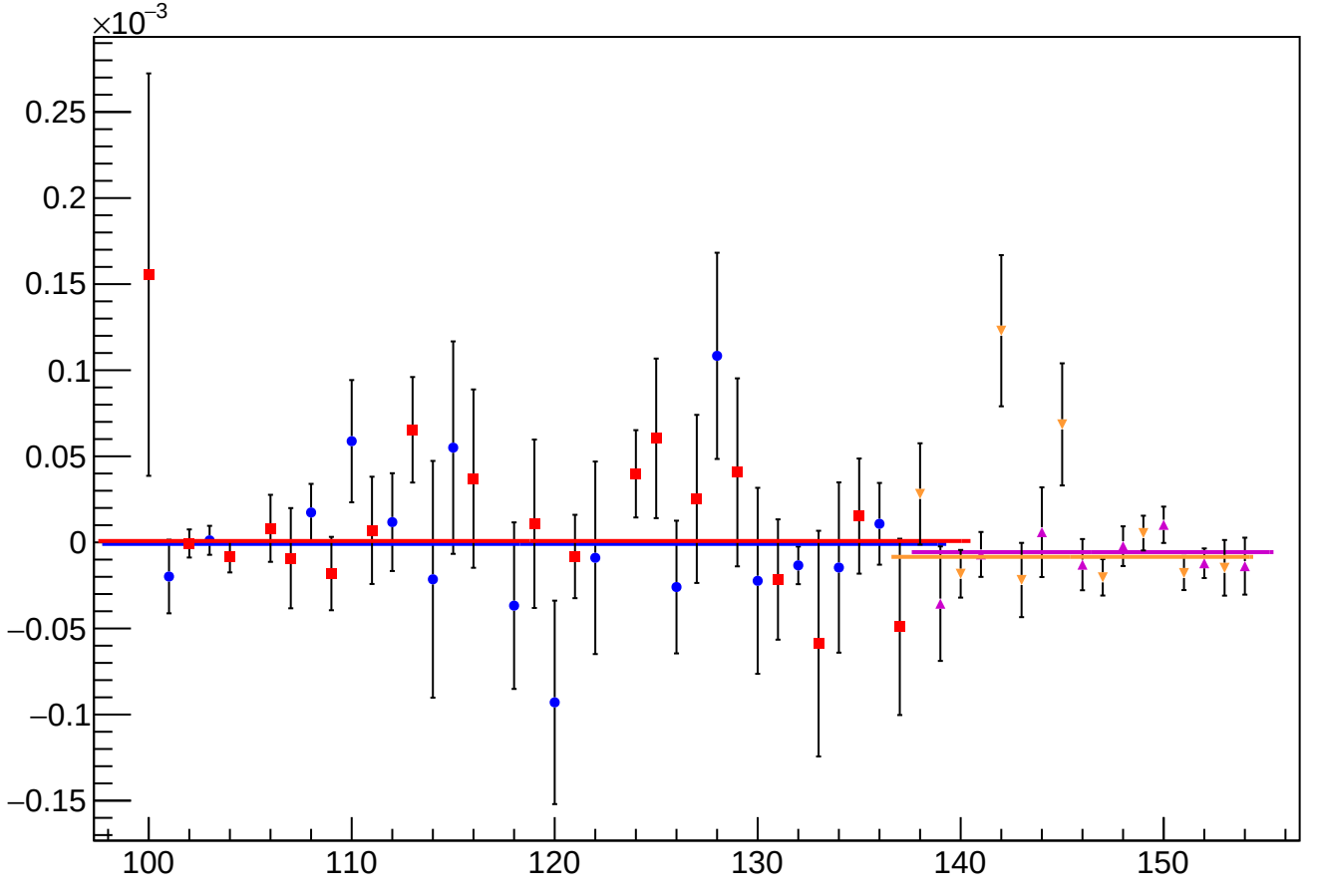
Left: 624.105+/-0.123 χ^2/NDF: 1816878.0/16

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 371.587+/-0.076 χ^2/NDF:3977076.3/23

Out: 345.913+/-0.075 χ^2/NDF:6453103.8/27

All: 358.580+/-0.054 χ^2/NDF: 10487364.8/51



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:4.4/7

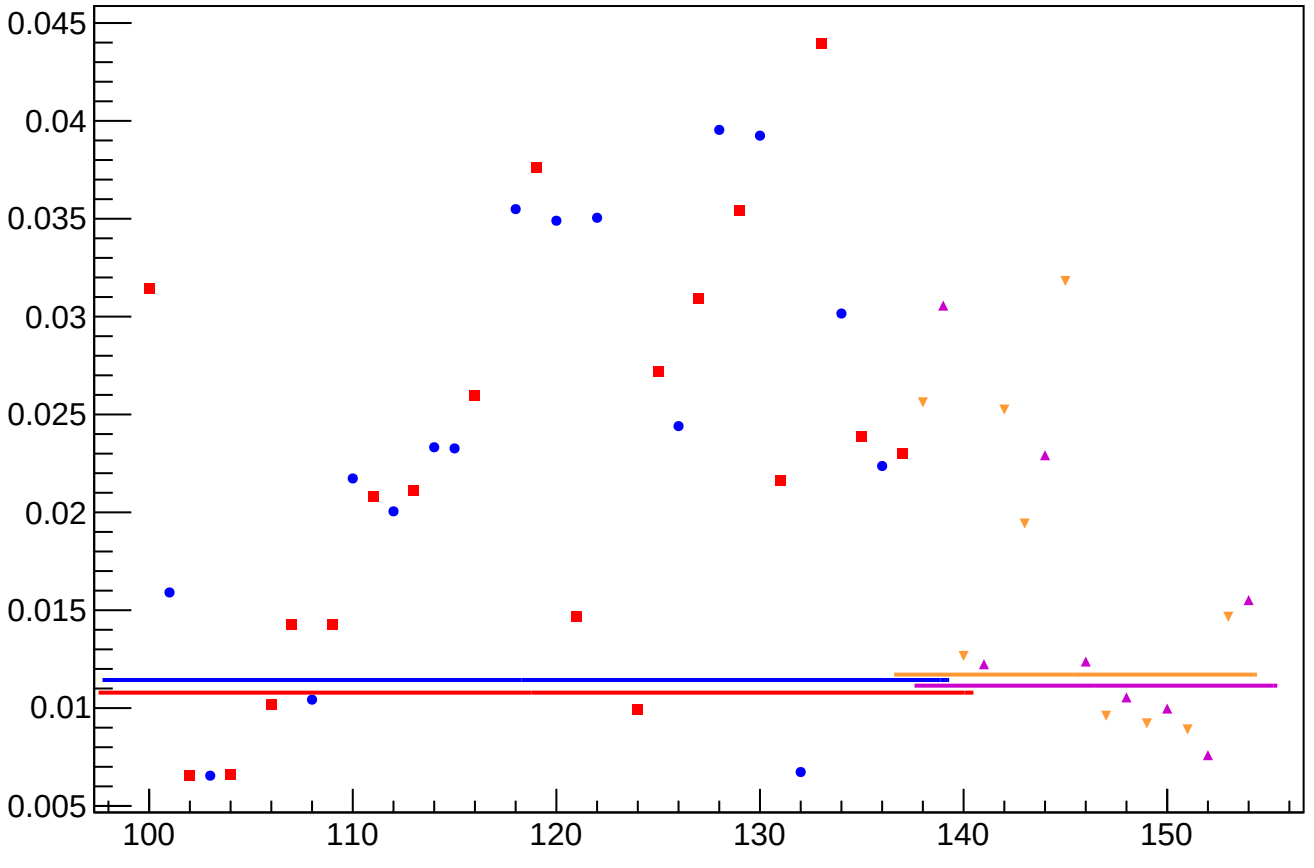
Left: -0.000+/-0.000 χ^2/NDF: 24.9/16

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:19.4/23

Out: -0.000+/-0.000 χ^2/NDF:38.2/27

All: -0.000+/-0.000 χ^2/NDF: 57.6/51



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:1627993.4/7

Left: 0.011+/-0.000 χ^2/NDF: 3616230.8/16

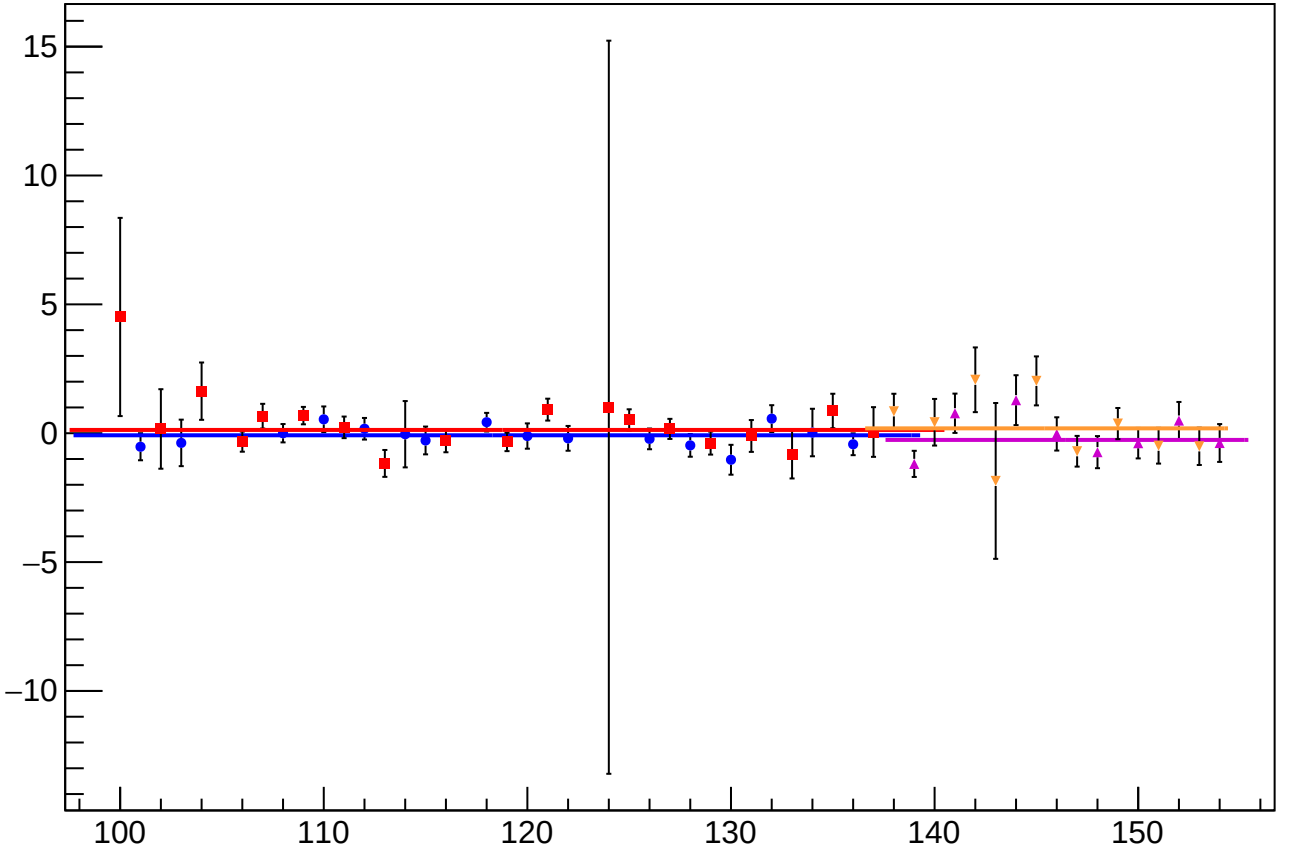
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:6331280.2/23

Out: 0.011+/-0.000 χ^2/NDF:6483958.6/27

All: 0.011+/-0.000 χ^2/NDF: 12815273.6/51

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.189+/-0.260 χ^2/NDF:11.7/8

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.260+/-0.234 χ^2/NDF:9.6/7

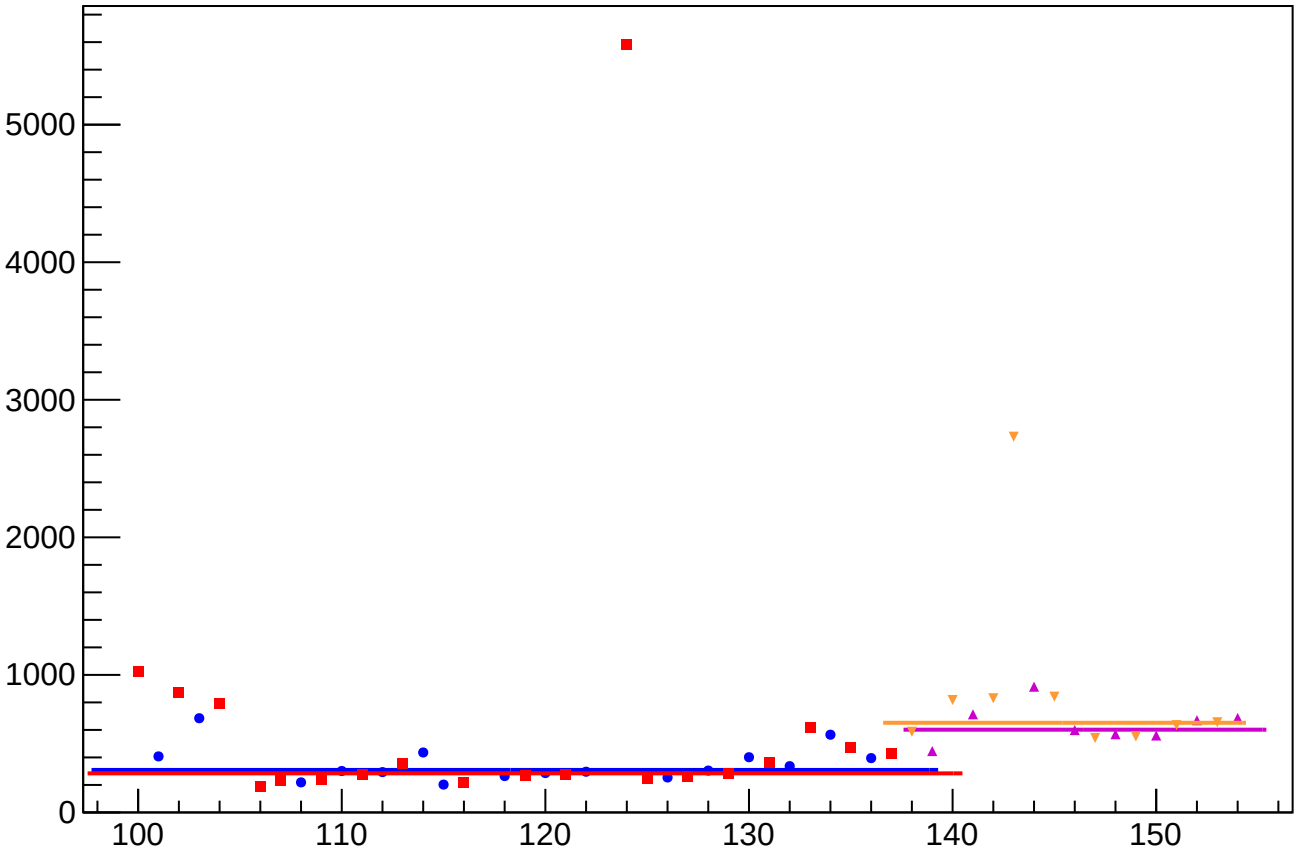
Left: -0.059+/-0.174 χ^2/NDF: 22.9/16

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.118+/-0.108 χ^2/NDF:20.8/23

Out: 0.138+/-0.107 χ^2/NDF:37.0/27

All: 0.011+/-0.076 χ^2/NDF: 60.6/51



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: 601.689+/-0.165 χ^2/NDF:500079.1/7

Left: 624.113+/-0.123 χ^2/NDF: 1816855.7/16

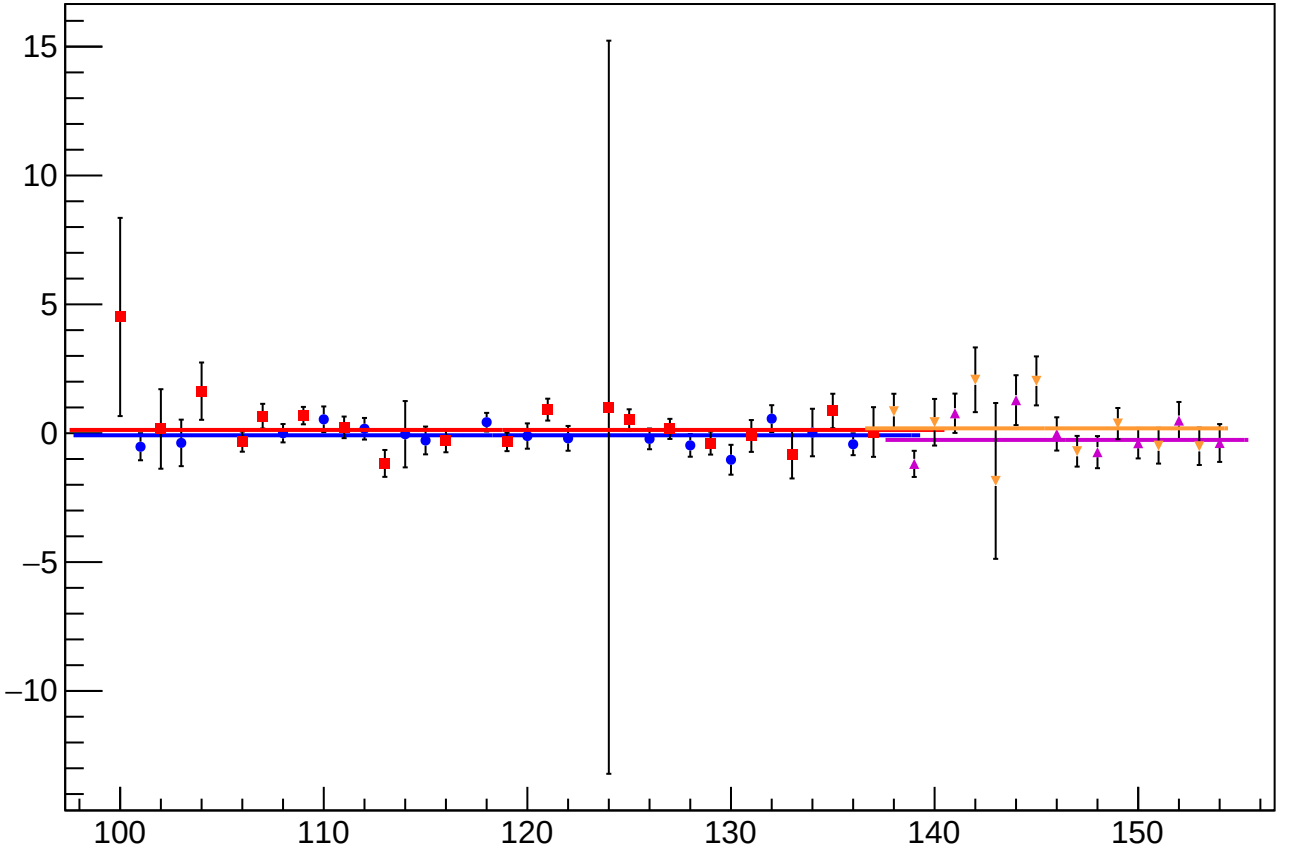
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 371.586+/-0.076 χ^2/NDF:3977131.4/23

Out: 345.912+/-0.075 χ^2/NDF:6453166.8/27

All: 358.579+/-0.054 χ^2/NDF: 10487484.3/51

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: -0.260+/-0.234 χ^2/NDF:9.6/7

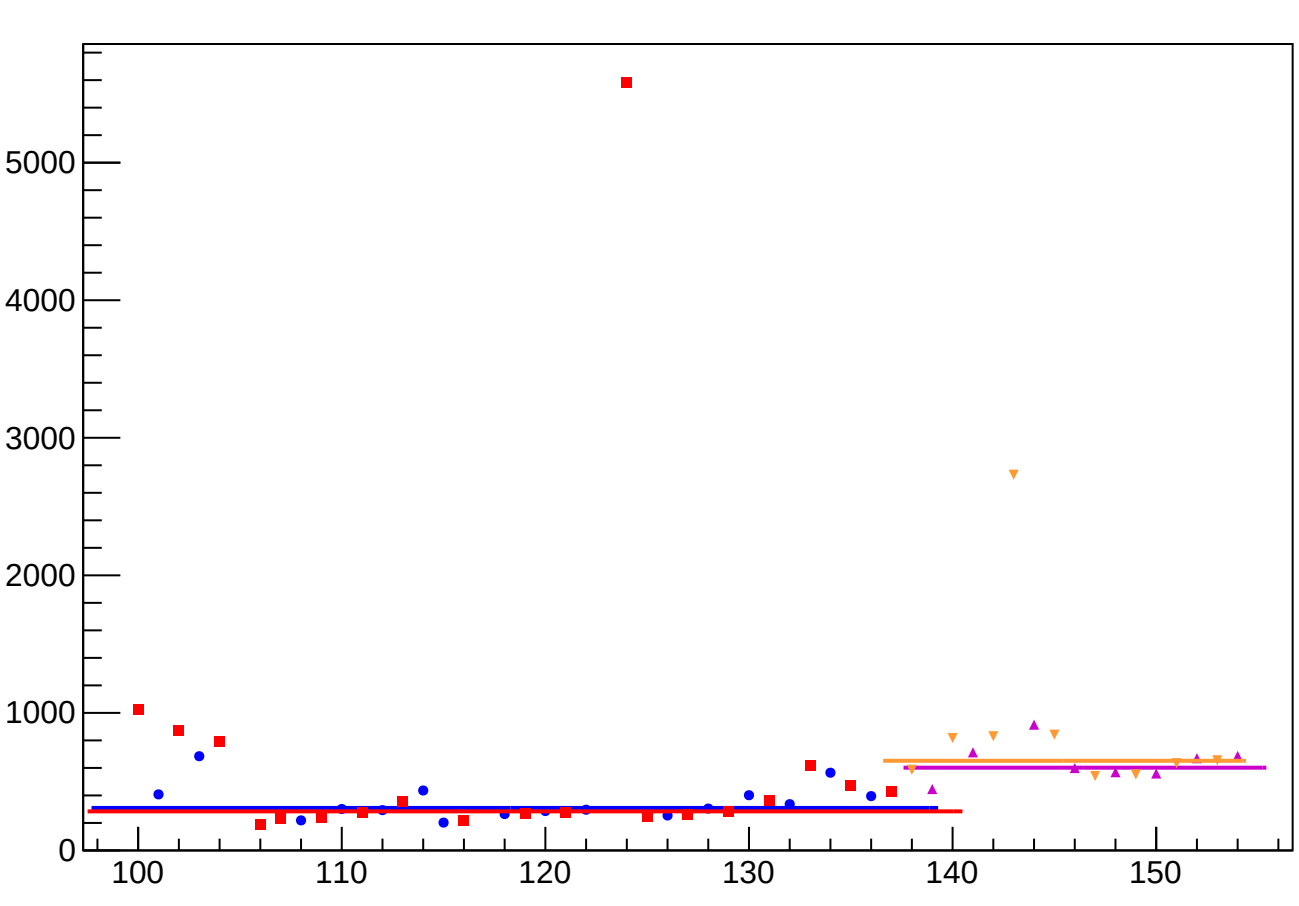
Left: -0.059+/-0.174 χ^2/NDF: 22.9/16

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.118+/-0.108 χ^2/NDF:20.8/23

Out: 0.138+/-0.107 χ^2/NDF:37.0/27

All: 0.011+/-0.076 χ^2/NDF: 60.6/51



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: 601.689+/-0.165 χ^2/NDF:500079.1/7

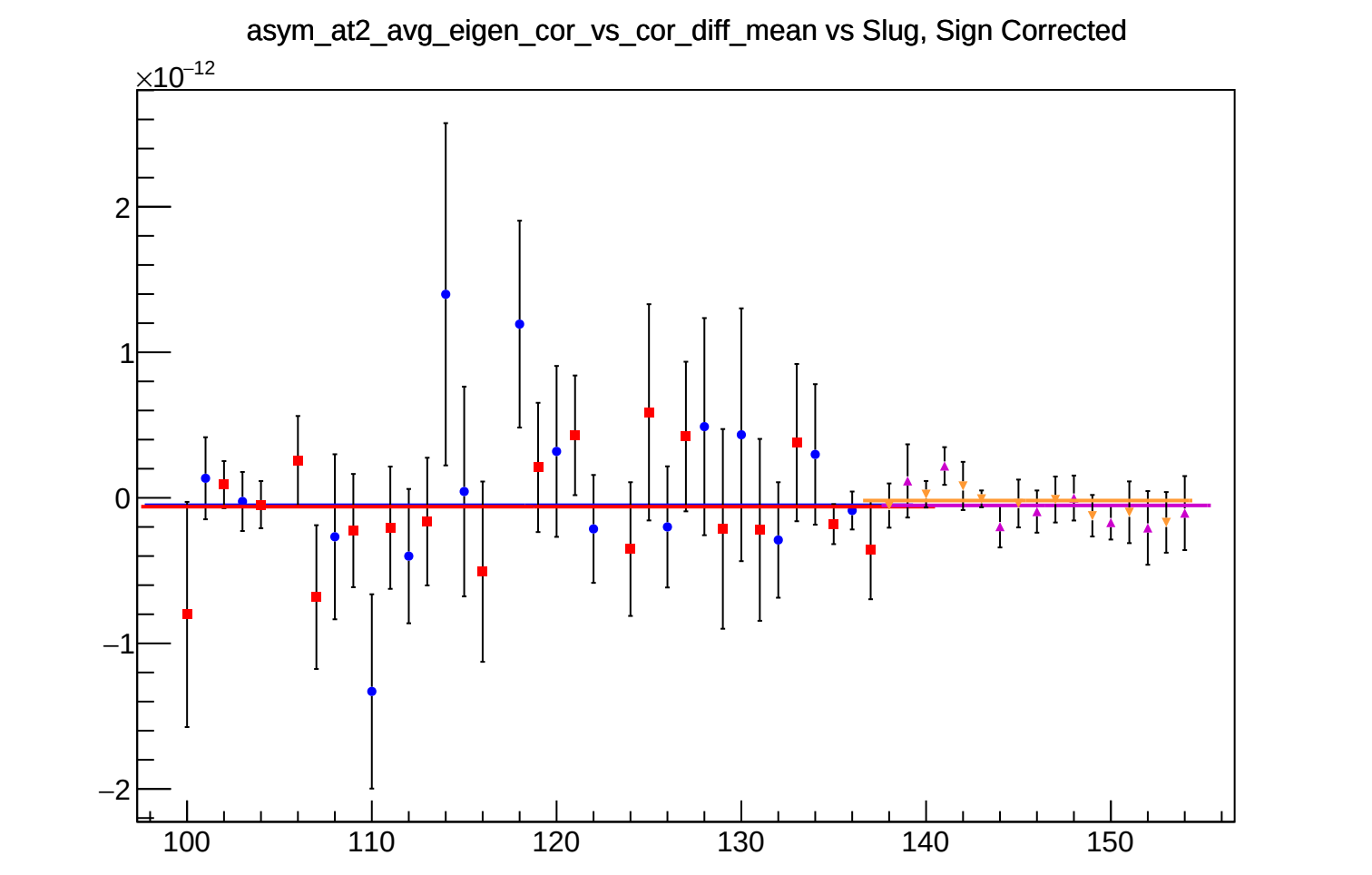
Left: 624.113+/-0.123 χ^2/NDF: 1816855.7/16

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 371.586+/-0.076 χ^2/NDF:3977131.4/23

Out: 345.912+/-0.075 χ^2/NDF:6453166.8/27

All: 358.579+/-0.054 χ^2/NDF: 10487484.3/51



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:7.5/7

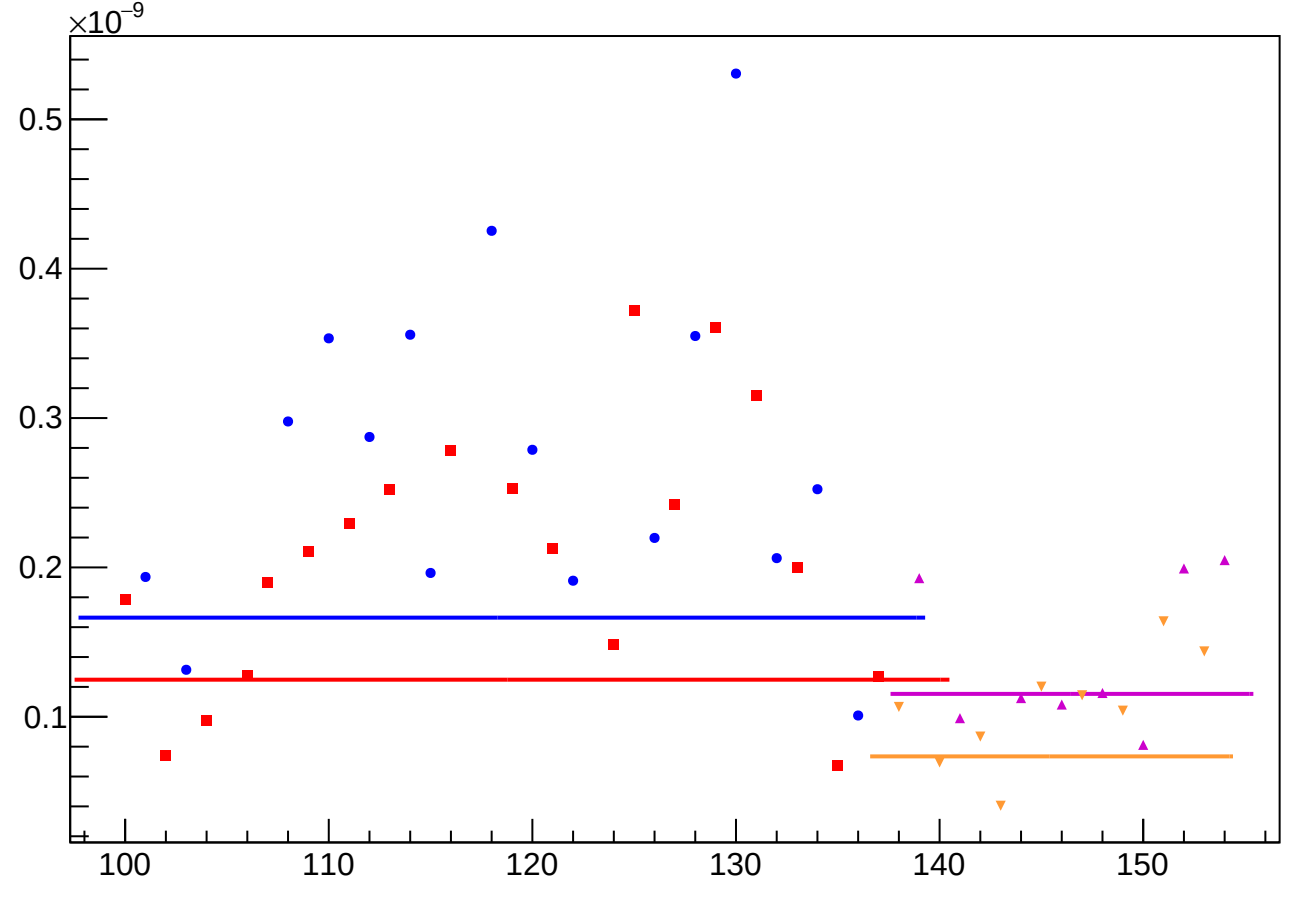
Left: -0.000+/-0.000 χ^2/NDF: 9.6/16

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:19.4/23

Out: -0.000+/-0.000 χ^2/NDF:13.6/27

All: -0.000+/-0.000 χ^2/NDF: 33.2/51



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:865902.8/7

Left: 0.000+/-0.000 χ^2/NDF: 3369497.6/16

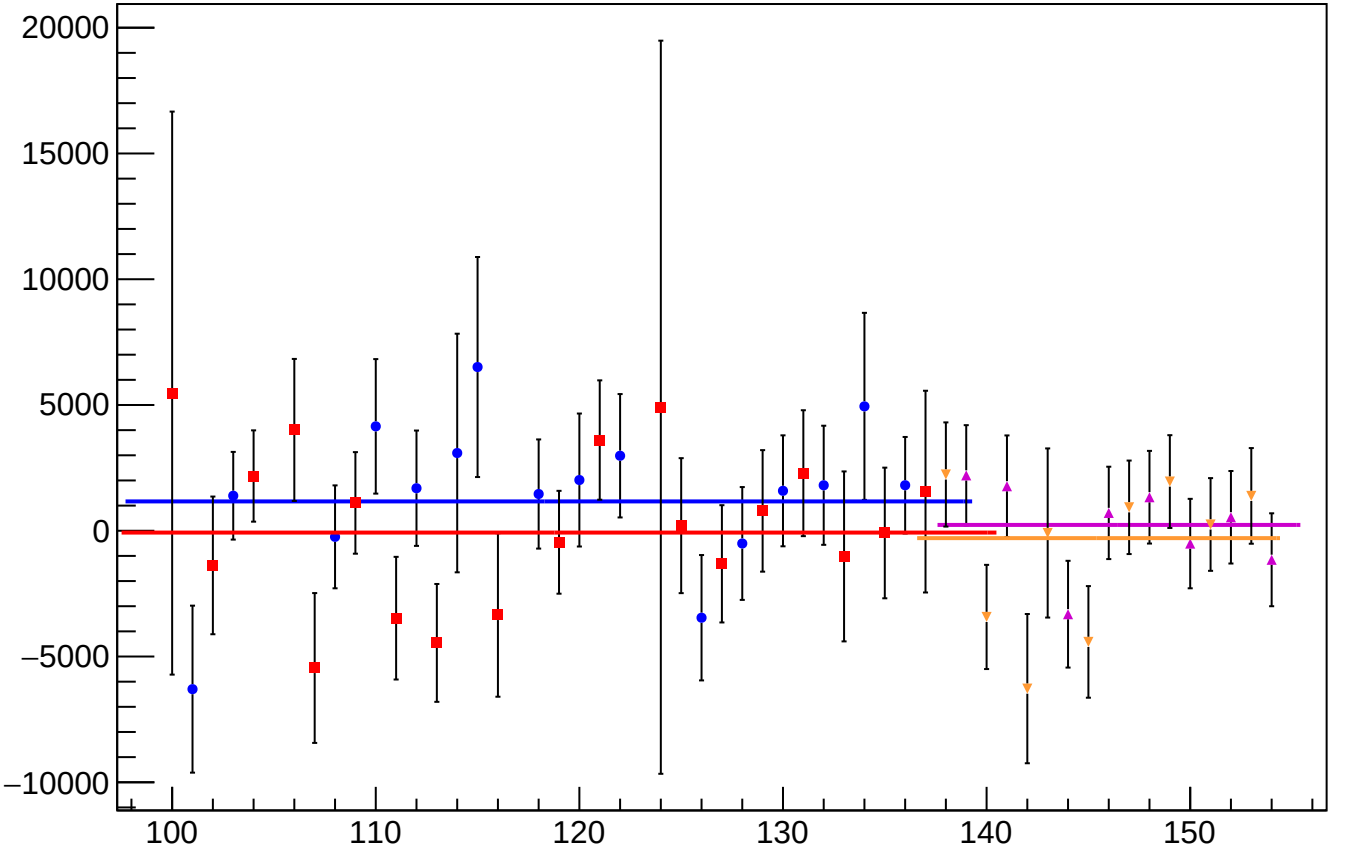
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:3357281.3/23

Out: 0.000+/-0.000 χ^2/NDF:4782028.8/27

All: 0.000+/-0.000 χ^2/NDF: 9386244.3/51

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: 232.064+/-671.993 χ^2/NDF:5.5/7

Left: -18.930+/-485.637 χ^2/NDF: 19.9/16

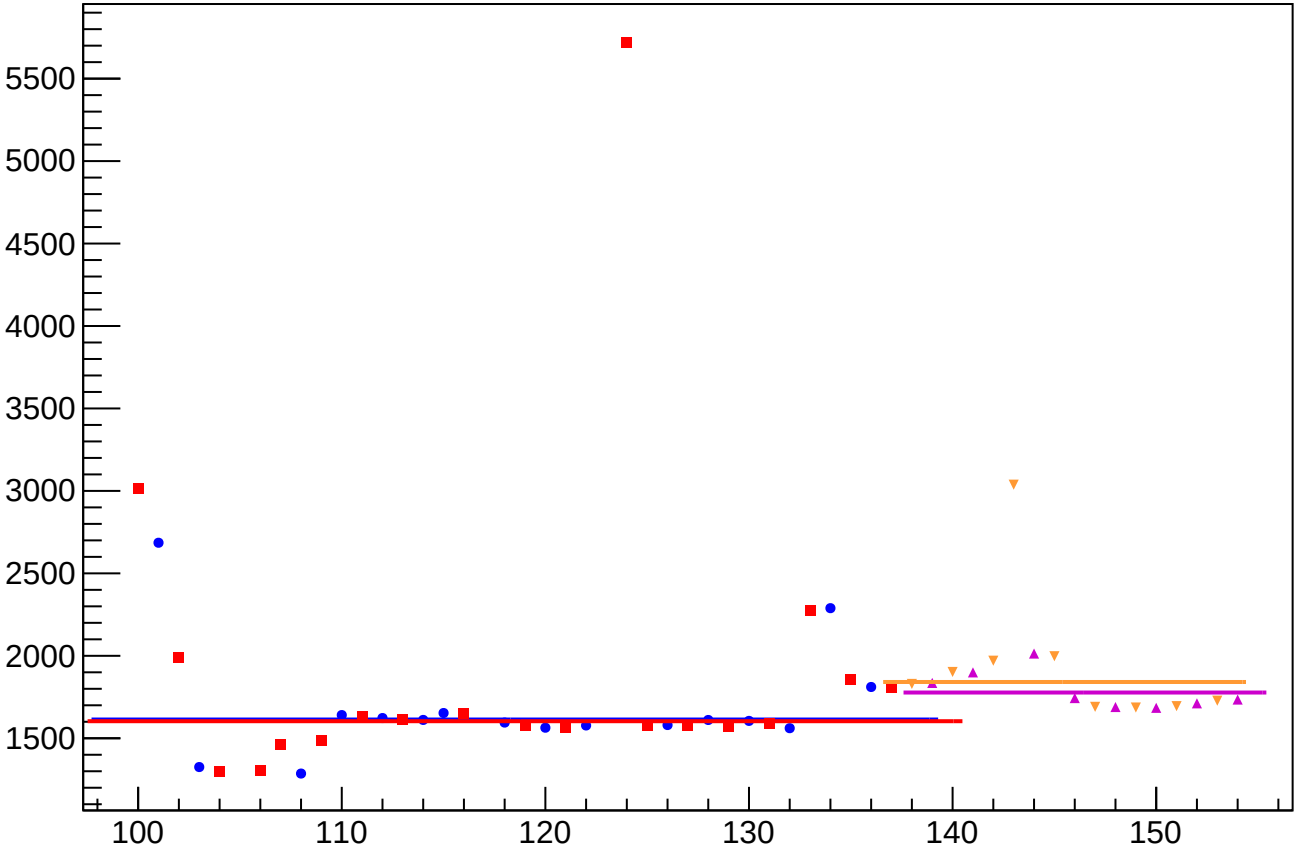
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 745.190+/-451.329 χ^2/NDF:21.0/23

Out: -166.042+/-457.747 χ^2/NDF:32.4/27

All: 296.008+/-321.383 χ^2/NDF: 55.5/51

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: 1777.371+/-0.475 χ^2/NDF:48094.0/7

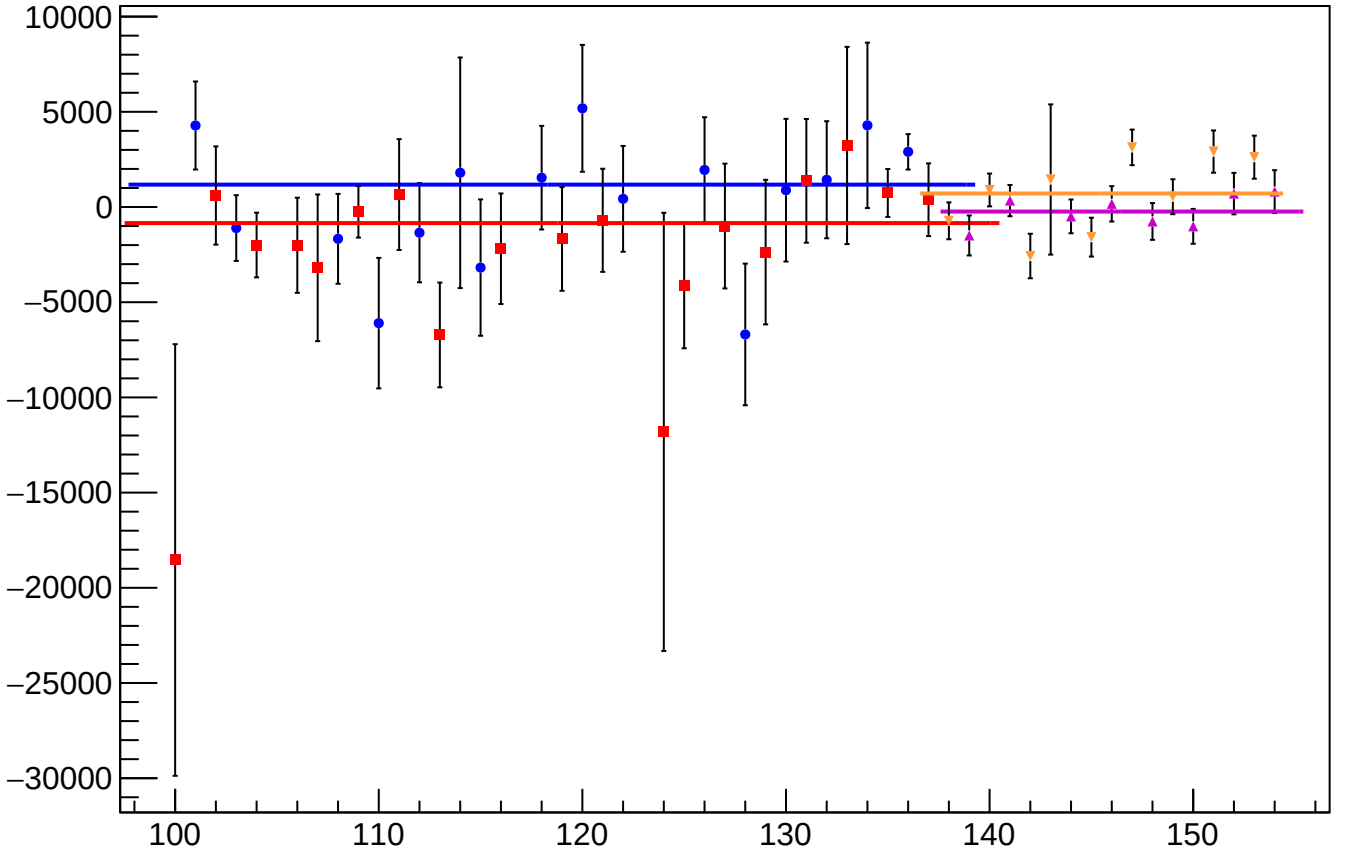
Left: 1807.909+/-0.343 χ^2/NDF: 372449.1/16

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1687.515+/-0.319 χ^2/NDF:517928.7/23

Out: 1704.407+/-0.324 χ^2/NDF:873395.5/27

All: 1695.842+/-0.227 χ^2/NDF: 1392705.3/51



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: -238.500+/-338.579 χ^2/NDF:4.8/7

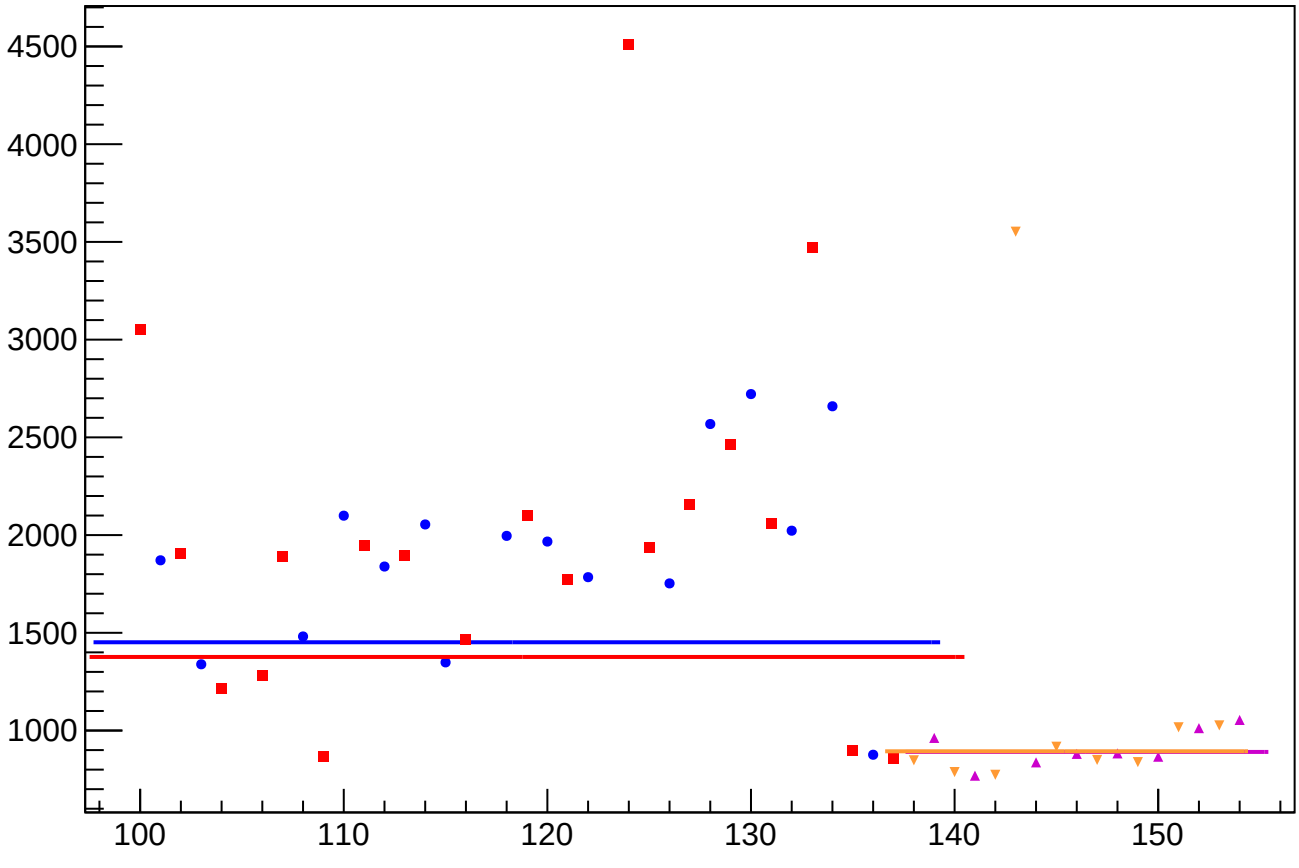
Left: 218.441+/-243.832 χ^2/NDF: 37.4/16

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 121.747+/-292.283 χ^2/NDF:31.3/23

Out: 268.587+/-297.290 χ^2/NDF:48.6/27

All: 193.920+/-208.423 χ^2/NDF: 80.0/51



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: 890.535+/-0.239 χ^2/NDF:129489.9/7

Left: 892.085+/-0.172 χ^2/NDF: 1158625.1/16

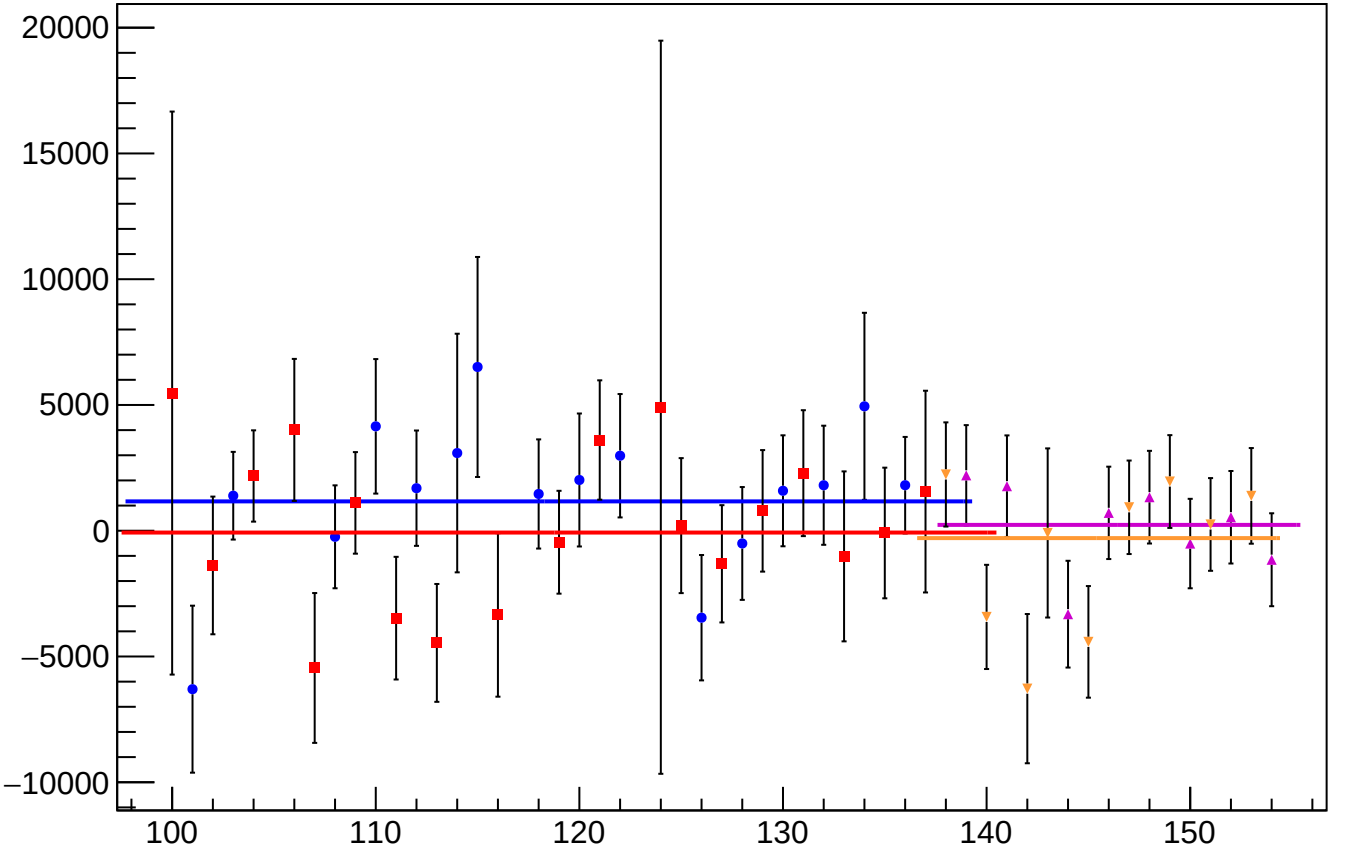
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1033.488+/-0.207 χ^2/NDF:3319728.6/23

Out: 1031.052+/-0.210 χ^2/NDF:4234275.1/27

All: 1032.291+/-0.147 χ^2/NDF: 7554072.1/51

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: 232.006+/-671.993 χ^2/NDF:5.5/7

Left: -19.012+/-485.637 χ^2/NDF: 19.9/16

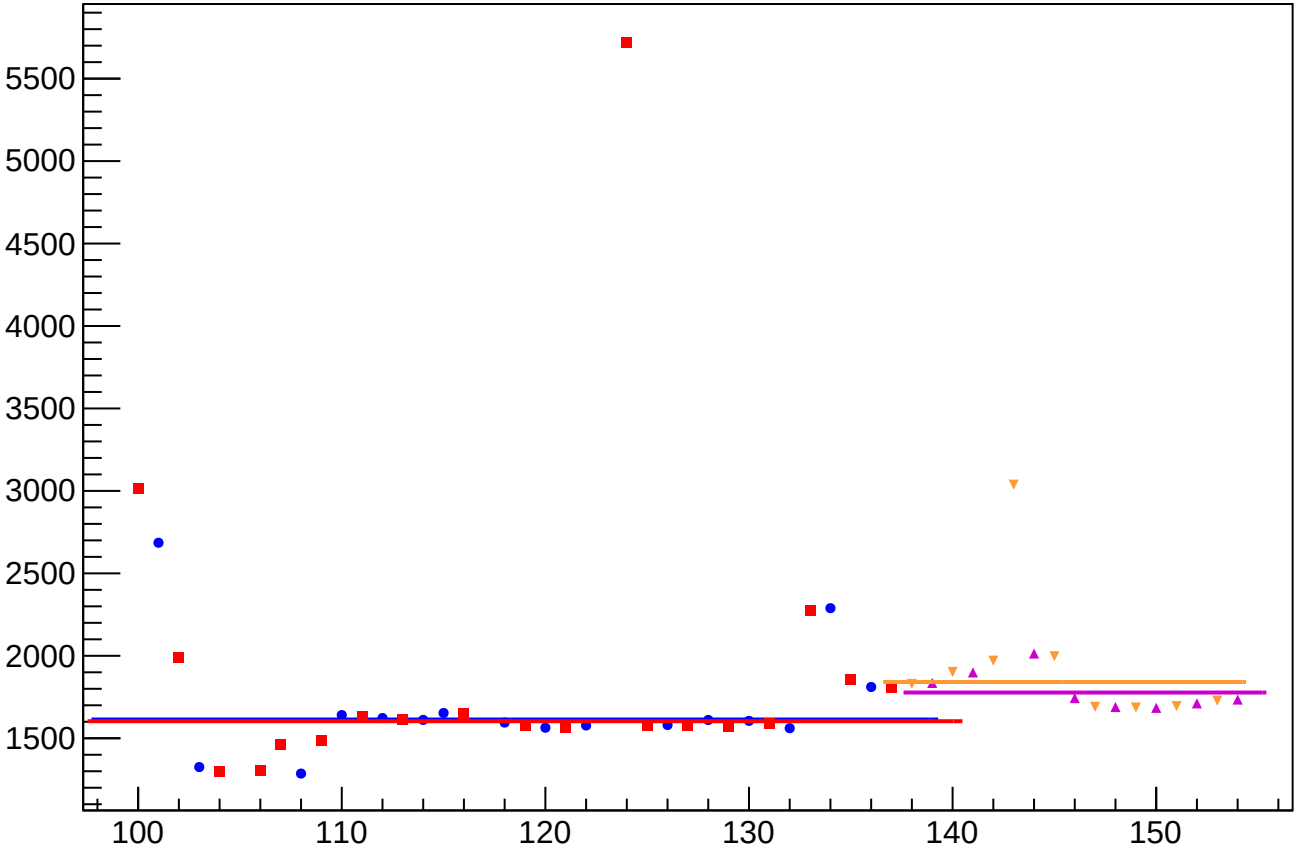
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 745.113+/-451.329 χ^2/NDF:21.0/23

Out: -166.271+/-457.747 χ^2/NDF:32.4/27

All: 295.855+/-321.383 χ^2/NDF: 55.5/51

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: 1777.371+/-0.475 χ^2/NDF:48094.0/7

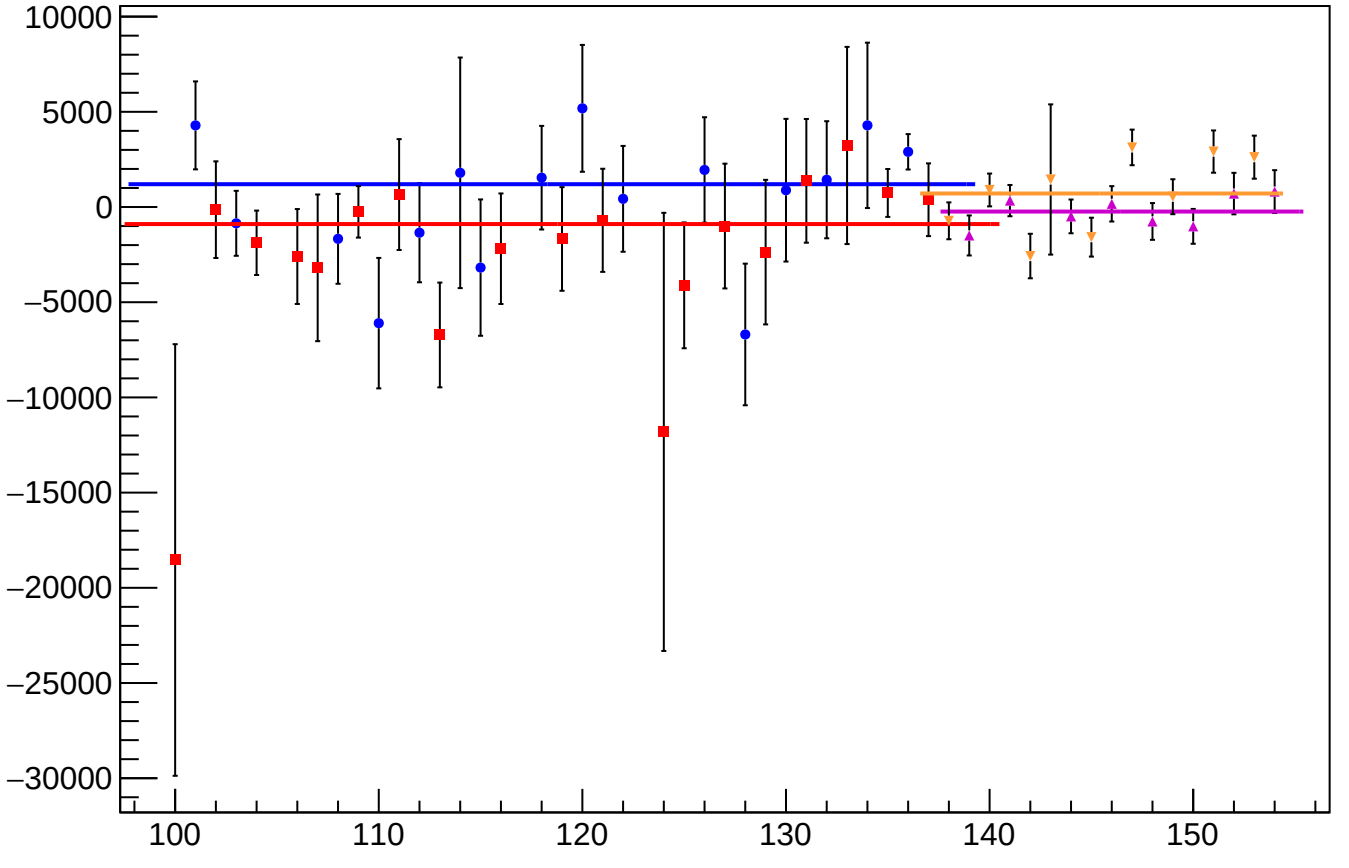
Left: 1807.909+/-0.343 χ^2/NDF: 372449.1/16

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1687.514+/-0.319 χ^2/NDF:517929.0/23

Out: 1704.407+/-0.324 χ^2/NDF:873395.7/27

All: 1695.842+/-0.227 χ^2/NDF: 1392705.8/51



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: -238.527+/-338.578 χ^2/NDF:4.8/7

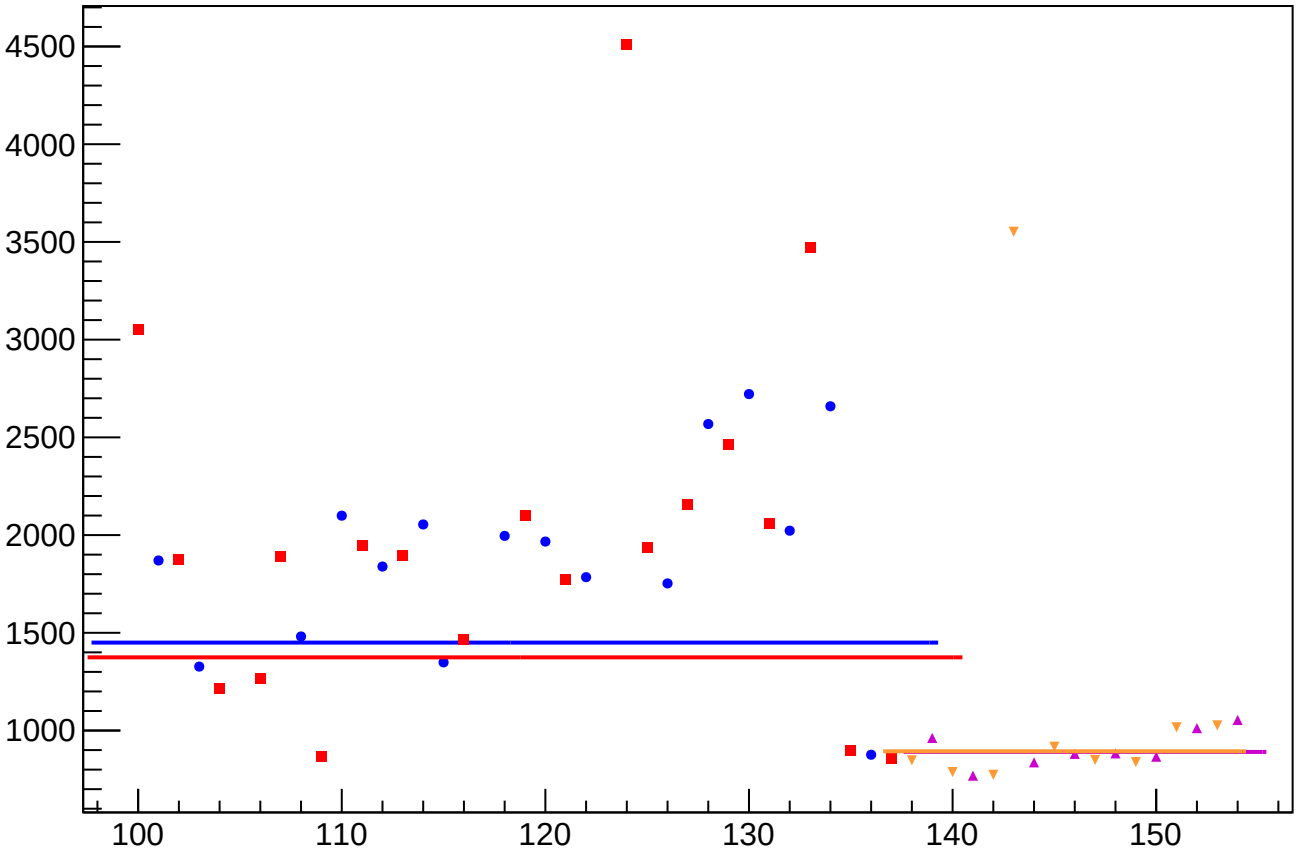
Left: 218.432+/-243.833 χ^2/NDF: 37.3/16

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 128.324+/-292.176 χ^2/NDF:31.1/23

Out: 253.015+/-297.176 χ^2/NDF:48.9/27

All: 189.611+/-208.345 χ^2/NDF: 80.1/51



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: 890.530+/-0.239 χ^2/NDF:129514.0/7

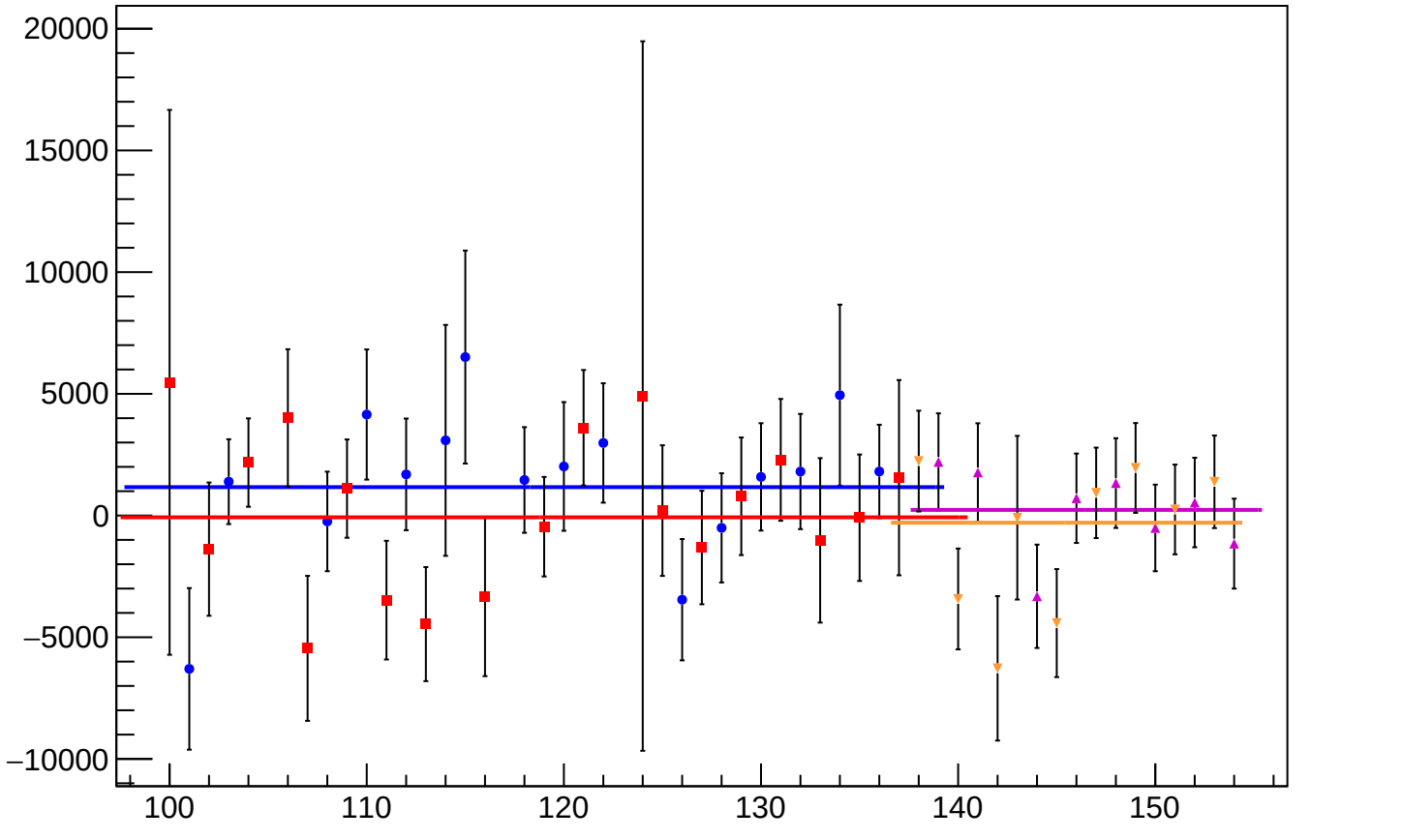
Left: 892.091+/-0.172 χ^2/NDF: 1158591.1/16

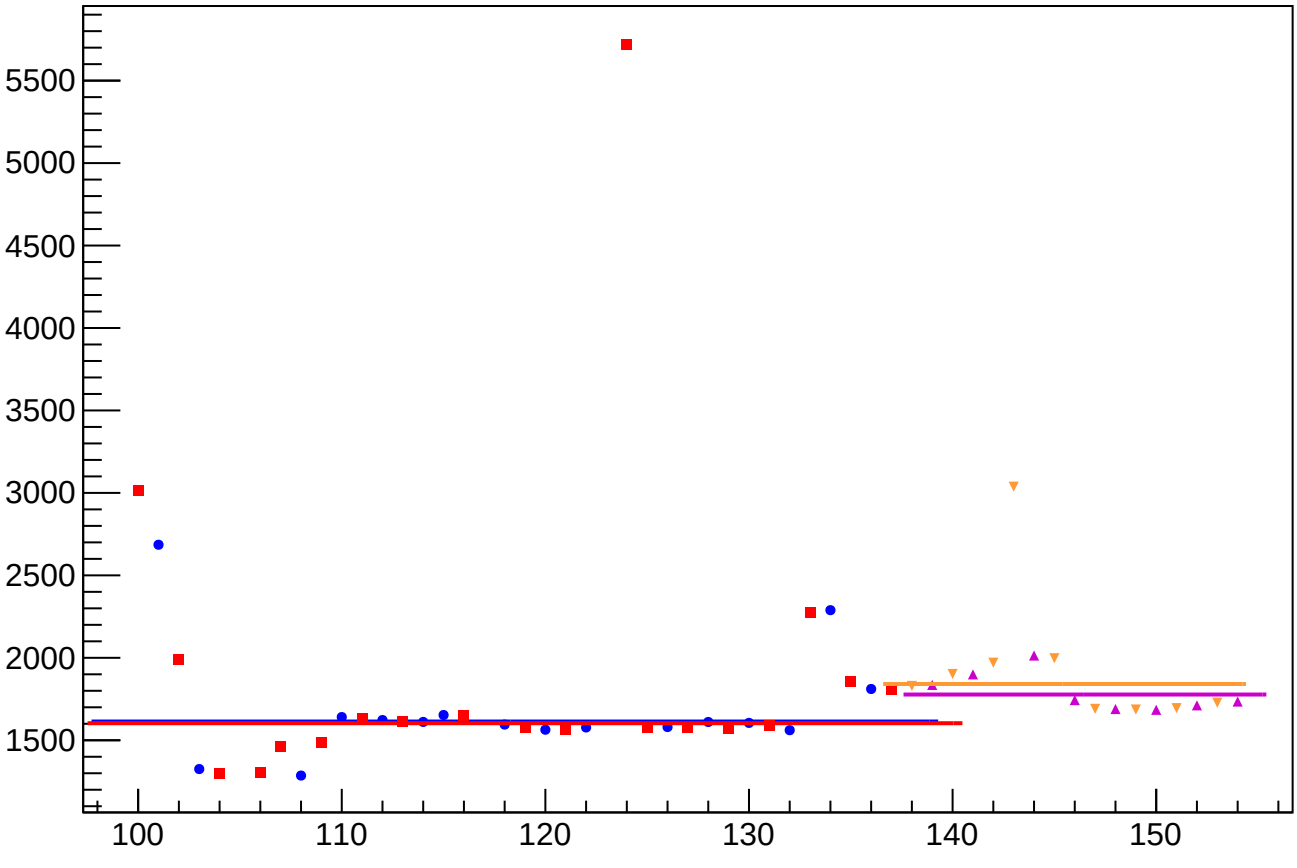
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1033.354+/-0.207 χ^2/NDF:3316131.0/23

Out: 1030.760+/-0.210 χ^2/NDF:4222870.8/27

All: 1032.079+/-0.147 χ^2/NDF: 7539079.3/51


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: 232.006+/-671.993 χ²/NDF:5.5/7
Left: -19.012+/-485.637 χ²/NDF: 19.9/16
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 745.113+/-451.329 χ²/NDF:21.0/23
Out: -166.271+/-457.747 χ²/NDF:32.4/27
All: 295.855+/-321.383 χ²/NDF: 55.5/51



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: 1777.371+/-0.475 χ^2/NDF:48094.0/7

Left: 1807.909+/-0.343 χ^2/NDF: 372449.1/16

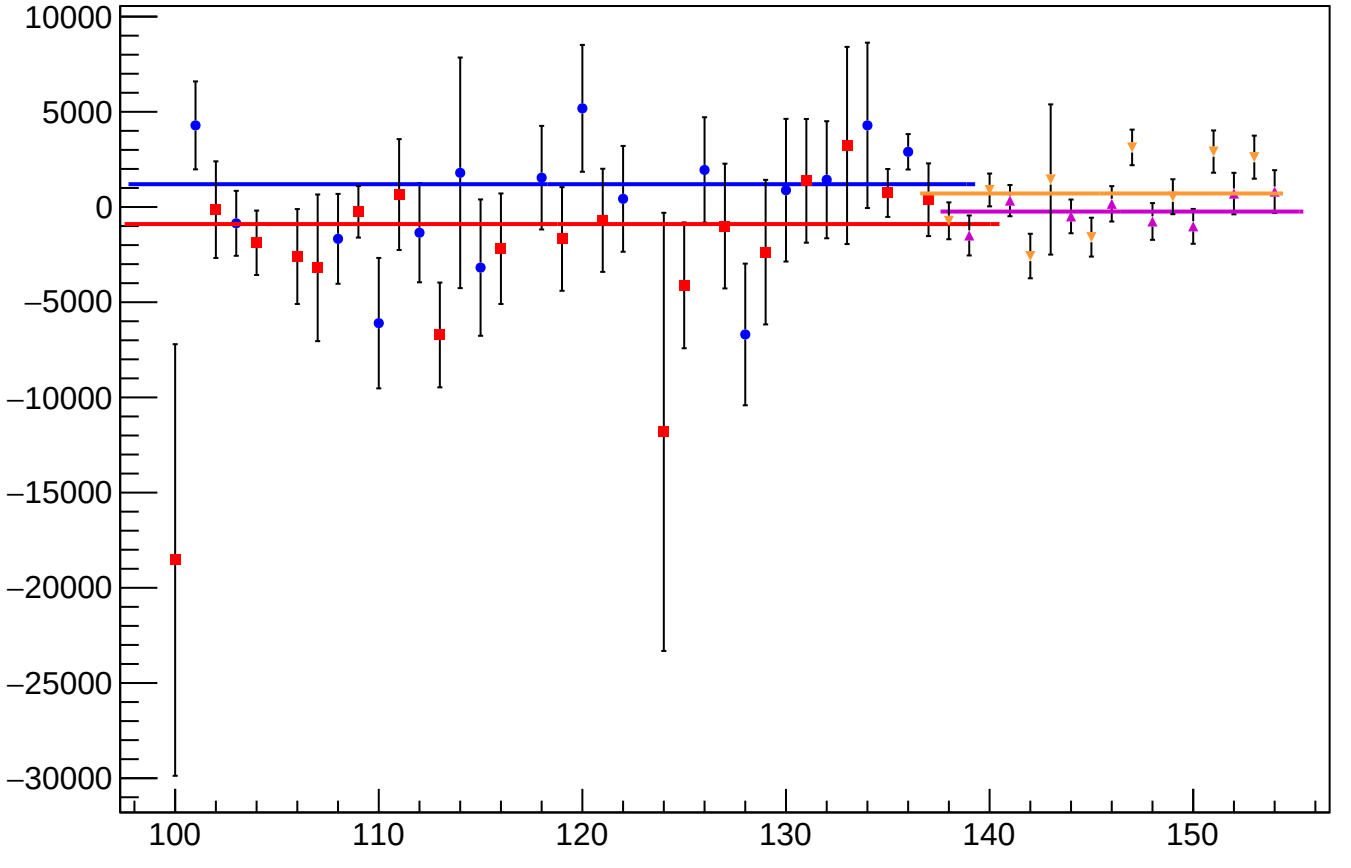
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1687.514+/-0.319 χ^2/NDF:517929.0/23

Out: 1704.407+/-0.324 χ^2/NDF:873395.7/27

All: 1695.842+/-0.227 χ^2/NDF: 1392705.8/51

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 710.790+/-351.447 χ^2/NDF:28.7/8

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -238.527+/-338.578 χ^2/NDF:4.8/7

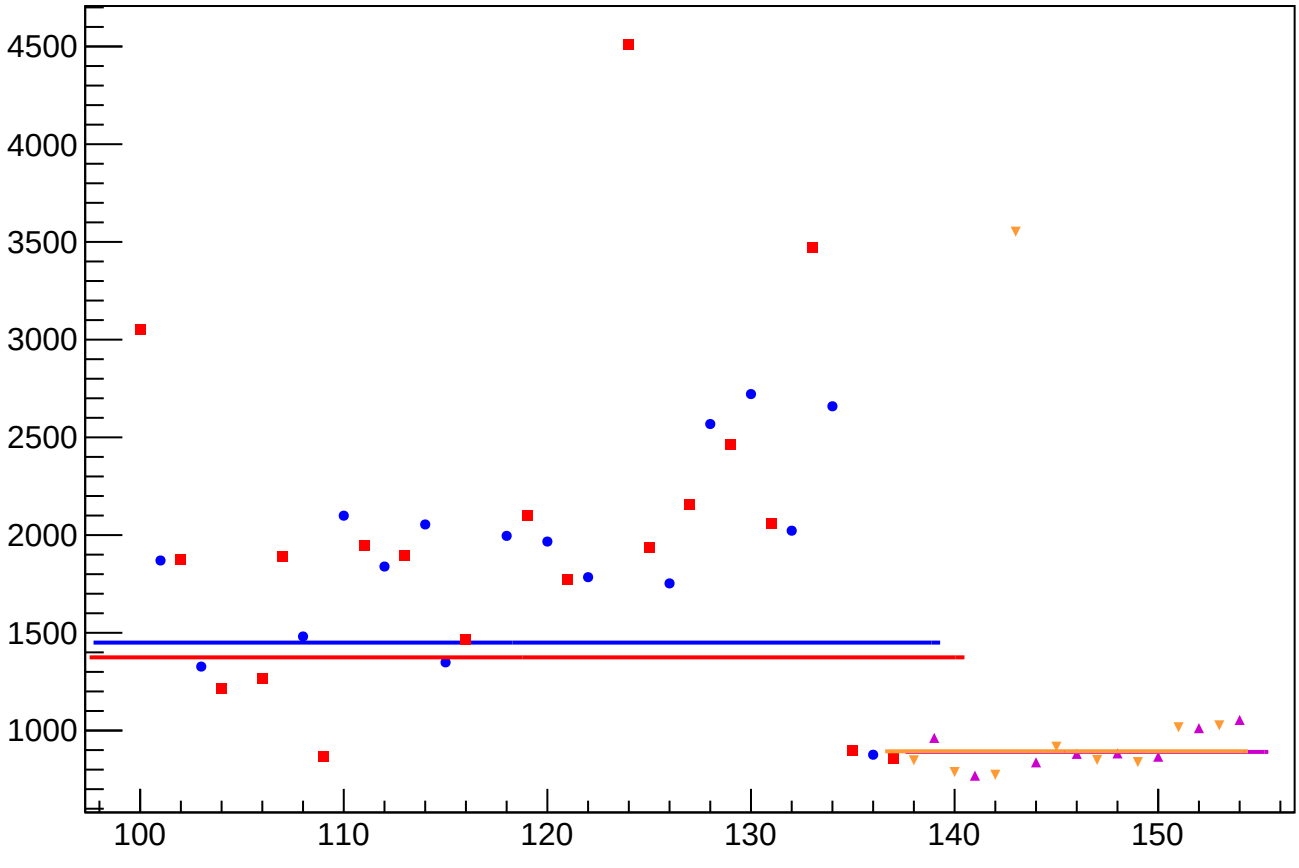
Left: 218.432+/-243.833 χ^2/NDF: 37.3/16

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 128.324+/-292.176 χ^2/NDF:31.1/23

Out: 253.015+/-297.176 χ^2/NDF:48.9/27

All: 189.611+/-208.345 χ^2/NDF: 80.1/51



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: 890.530+/-0.239 χ^2/NDF:129514.0/7

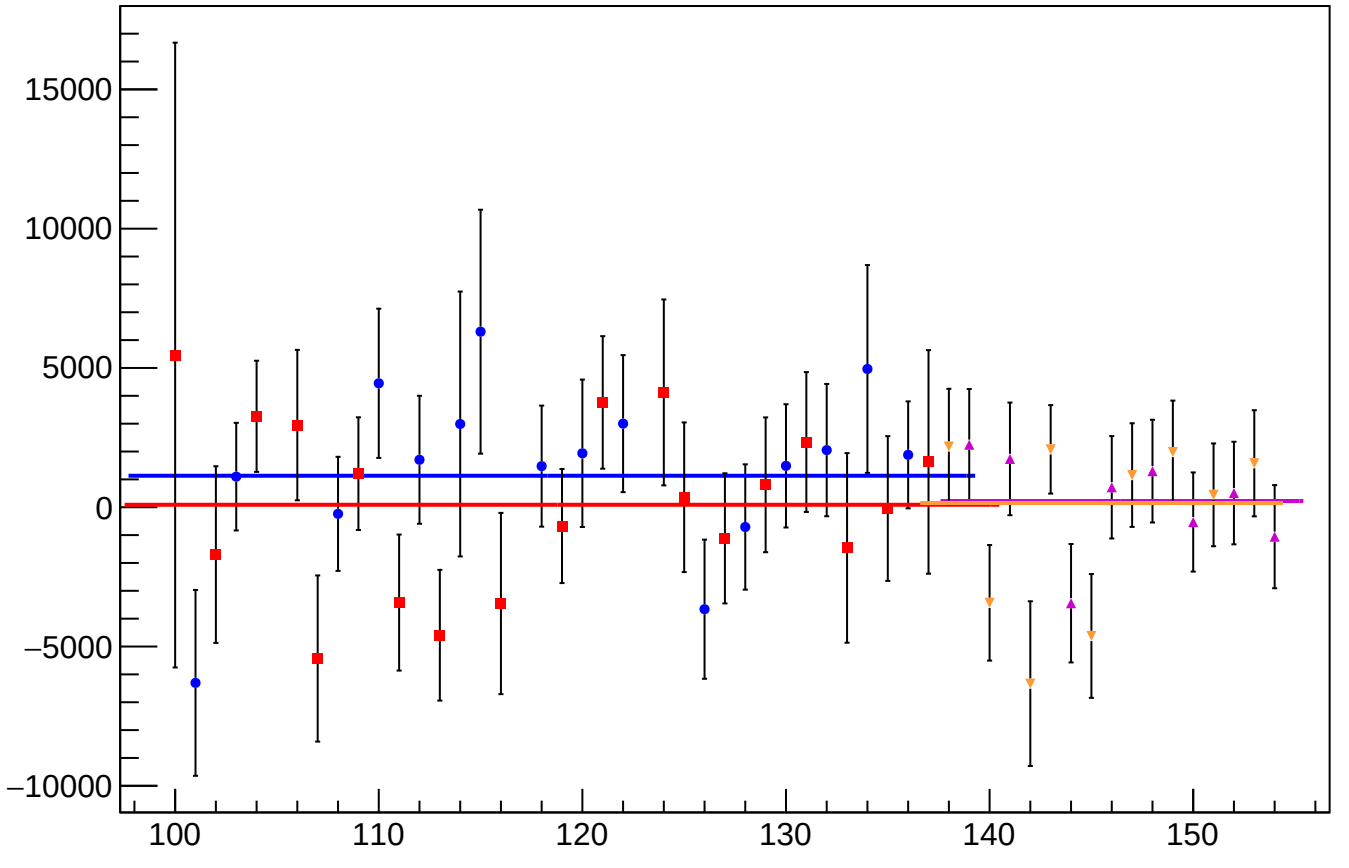
Left: 892.091+/-0.172 χ^2/NDF: 1158591.1/16

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1033.354+/-0.207 χ^2/NDF:3316131.0/23

Out: 1030.760+/-0.210 χ^2/NDF:4222870.8/27

All: 1032.079+/-0.147 χ^2/NDF: 7539079.3/51



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: 223.237+/-672.824 χ^2/NDF:5.7/7

Left: 186.711+/-469.357 χ^2/NDF: 22.4/16

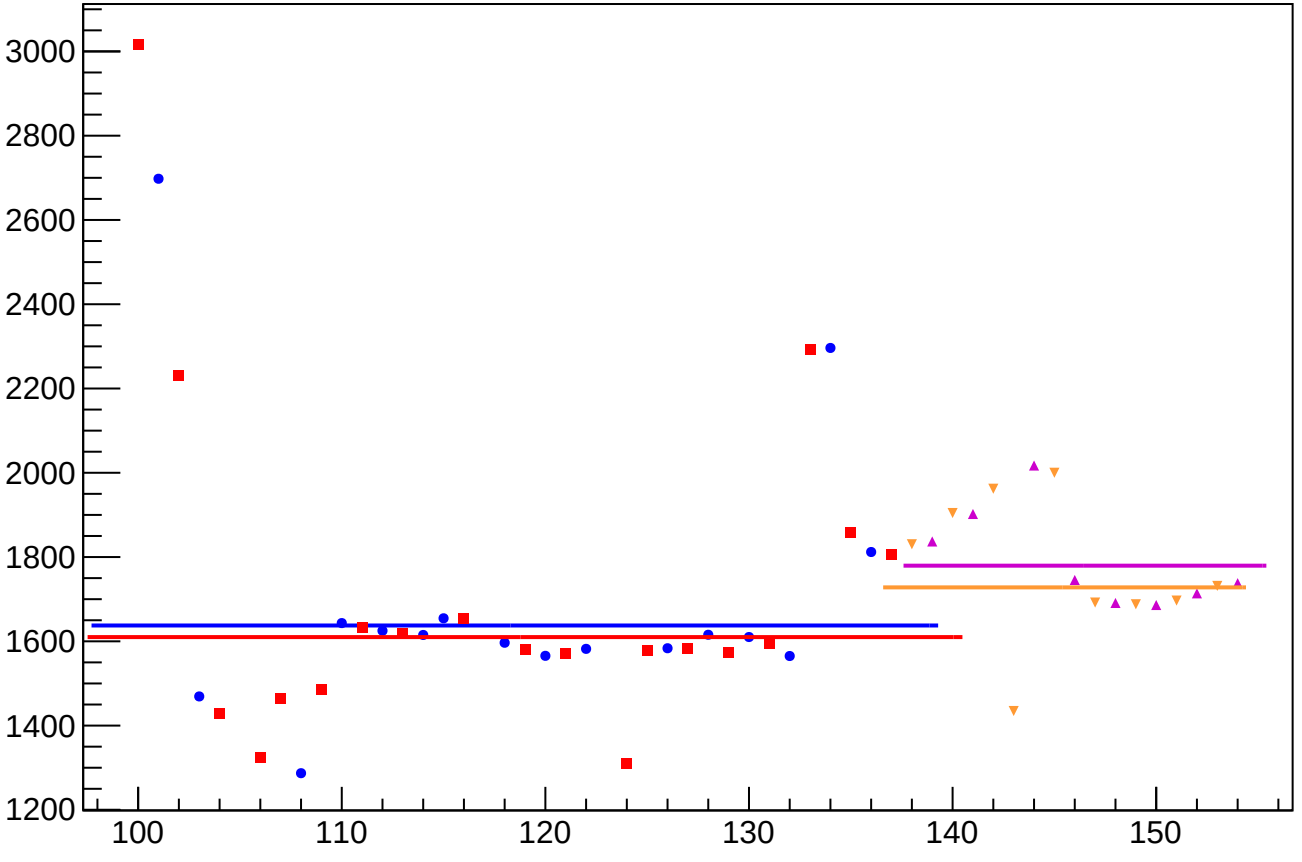
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 716.012+/-454.836 χ^2/NDF:21.6/23

Out: 118.059+/-443.683 χ^2/NDF:37.4/27

All: 409.615+/-317.601 χ^2/NDF: 59.9/51

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1728.008+/-0.463 χ^2/NDF:132441.8/8

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1779.542+/-0.476 χ^2/NDF:48344.1/7

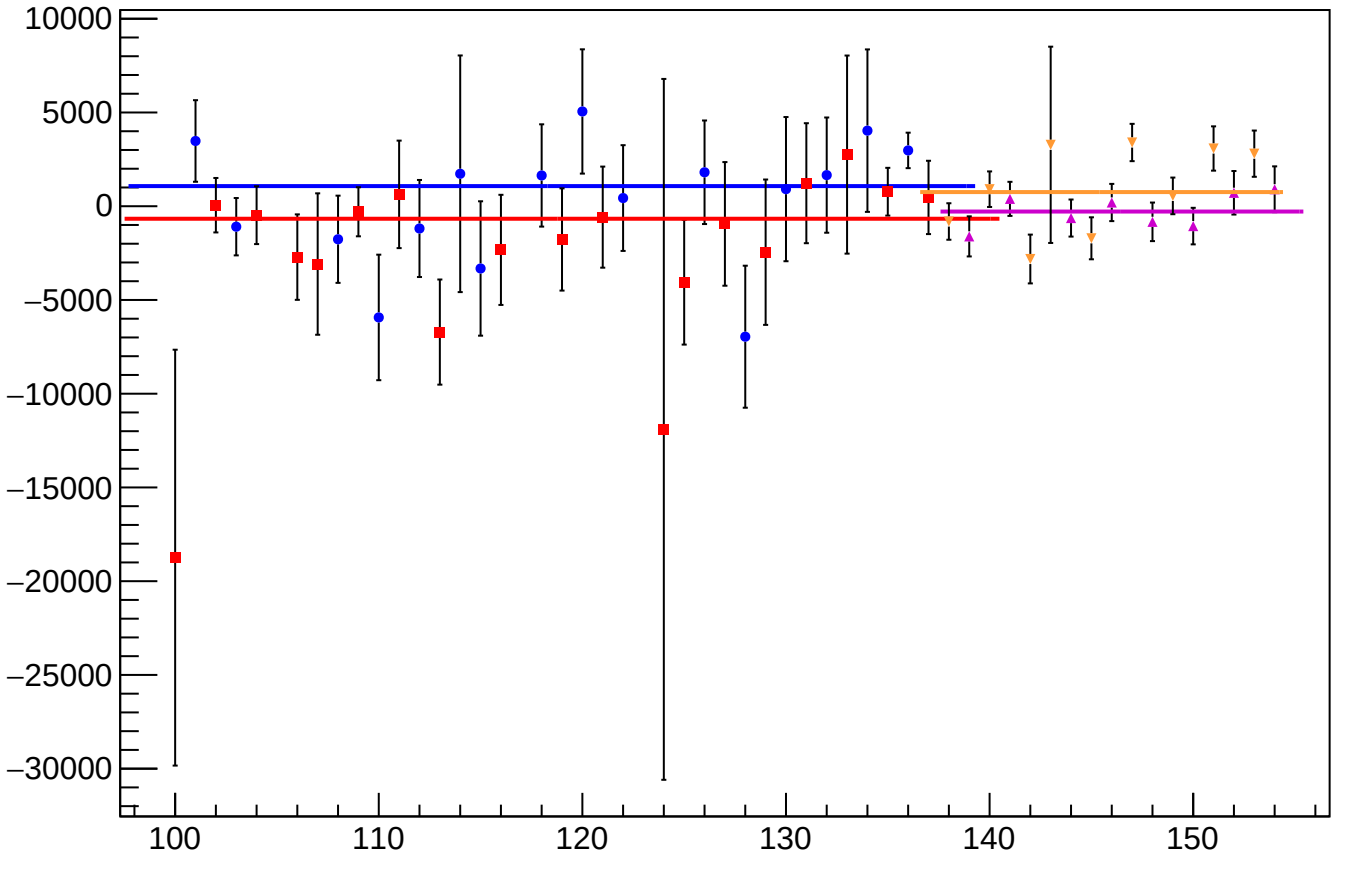
Left: 1753.086+/-0.332 χ^2/NDF: 186809.2/16

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1702.452+/-0.322 χ^2/NDF:458113.2/23

Out: 1664.158+/-0.314 χ^2/NDF:448358.8/27

All: 1682.830+/-0.225 χ^2/NDF: 913736.3/51



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: -284.016+/-364.382 χ^2/NDF:5.1/7

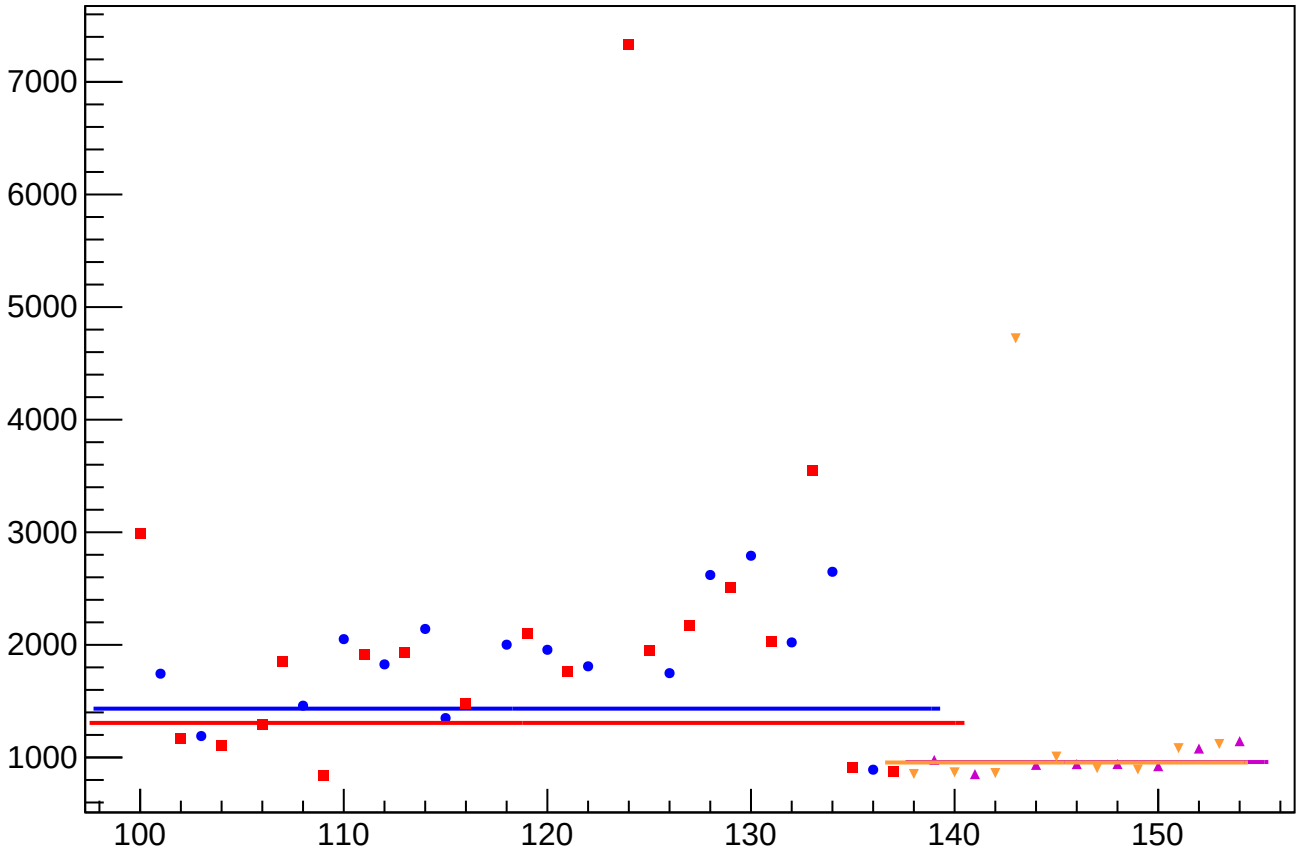
Left: 217.387+/-262.120 χ^2/NDF: 37.9/16

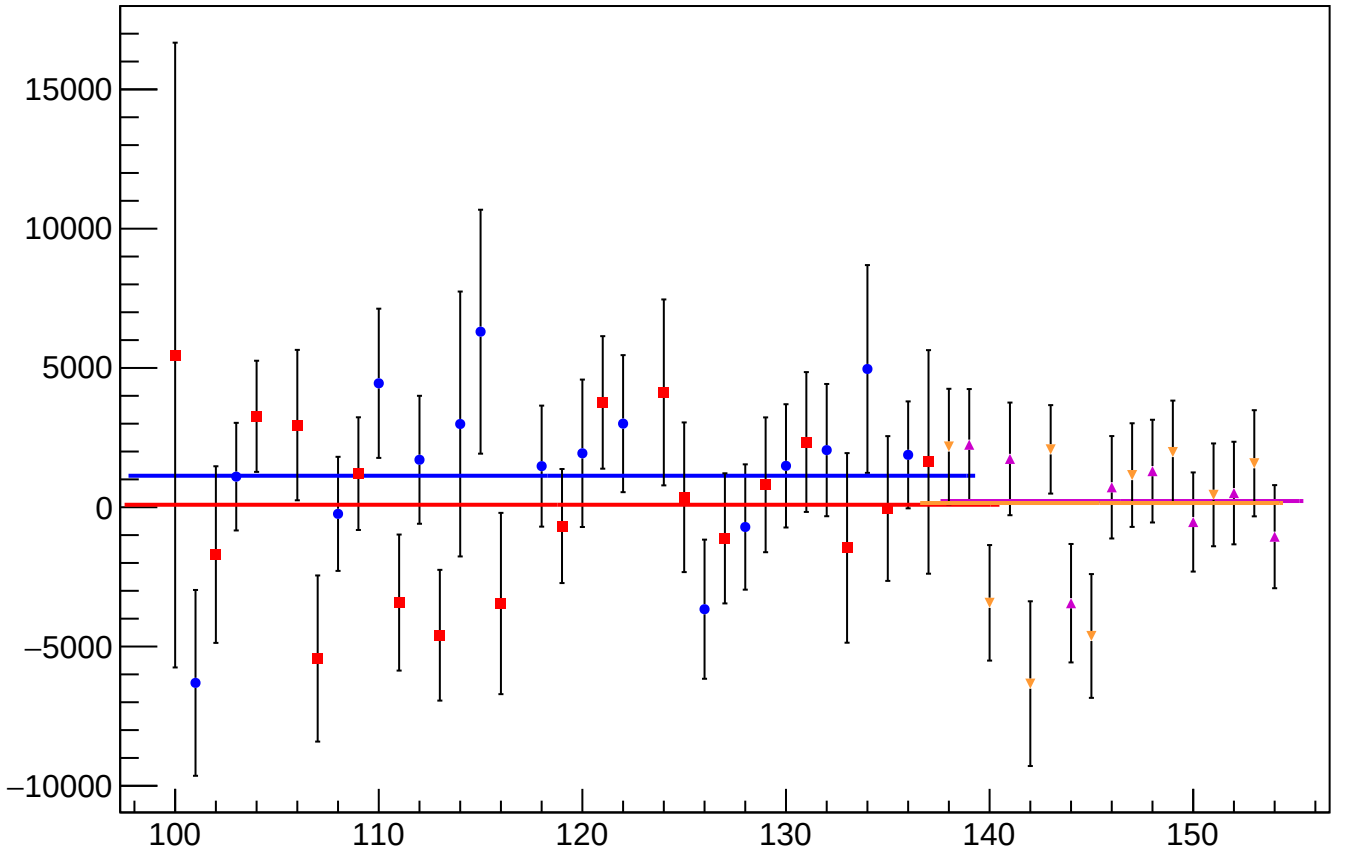
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 108.263+/-307.261 χ^2/NDF:31.1/23

Out: 268.564+/-306.105 χ^2/NDF:47.4/27

All: 188.715+/-216.857 χ^2/NDF: 78.6/51


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: 959.428+/-0.258 χ²/NDF:101139.0/7
Left: 957.416+/-0.185 χ²/NDF: 1262778.4/16
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1096.402+/-0.217 χ²/NDF:2842726.6/23
Out: 1075.486+/-0.216 χ²/NDF:3939191.7/27
All: 1085.905+/-0.153 χ²/NDF: 6786569.8/51



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: 223.231+/-672.824 χ^2/NDF:5.7/7

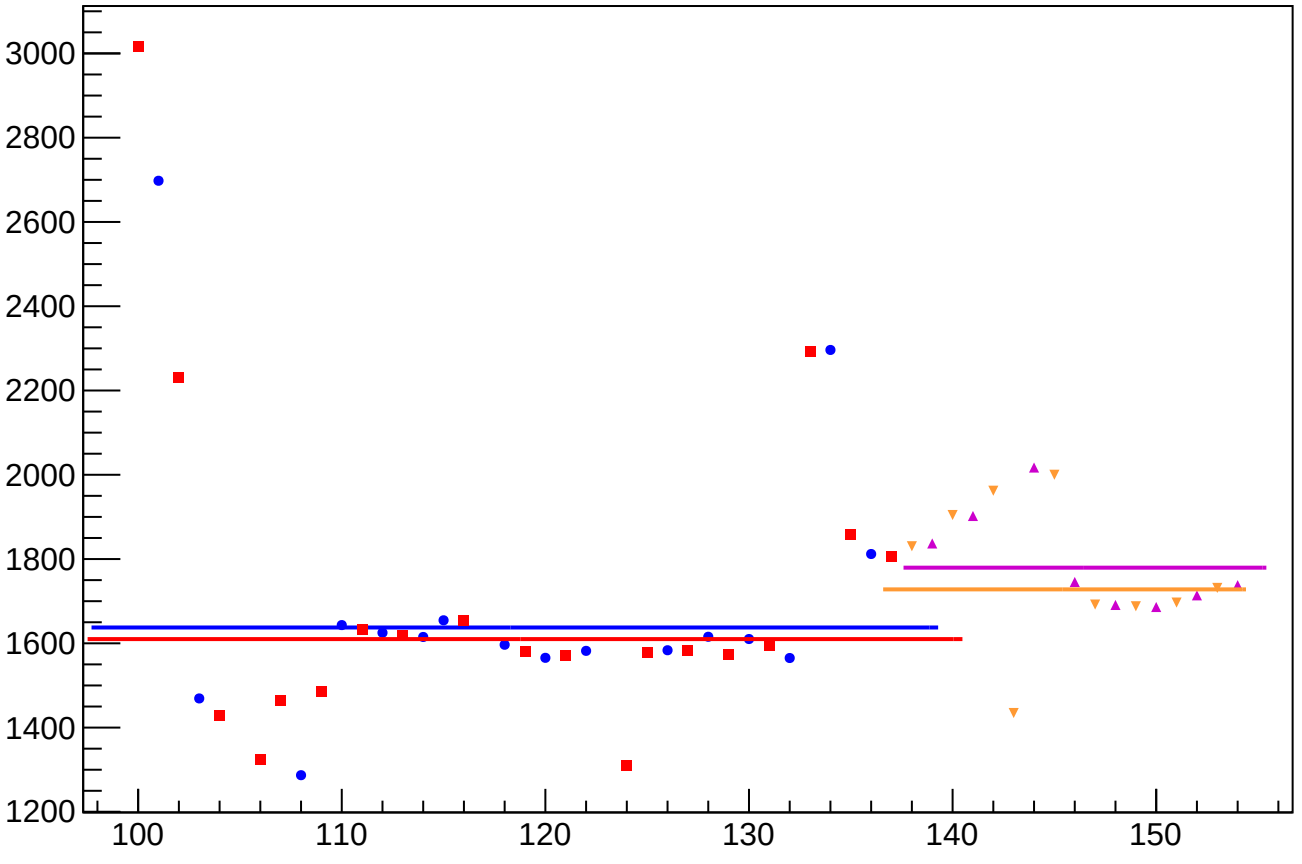
Left: 186.703+/-469.357 χ^2/NDF: 22.4/16

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 716.011+/-454.836 χ^2/NDF:21.6/23

Out: 118.058+/-443.683 χ^2/NDF:37.4/27

All: 409.613+/-317.601 χ^2/NDF: 59.9/51



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: 1779.542+/-0.476 χ^2/NDF:48344.2/7

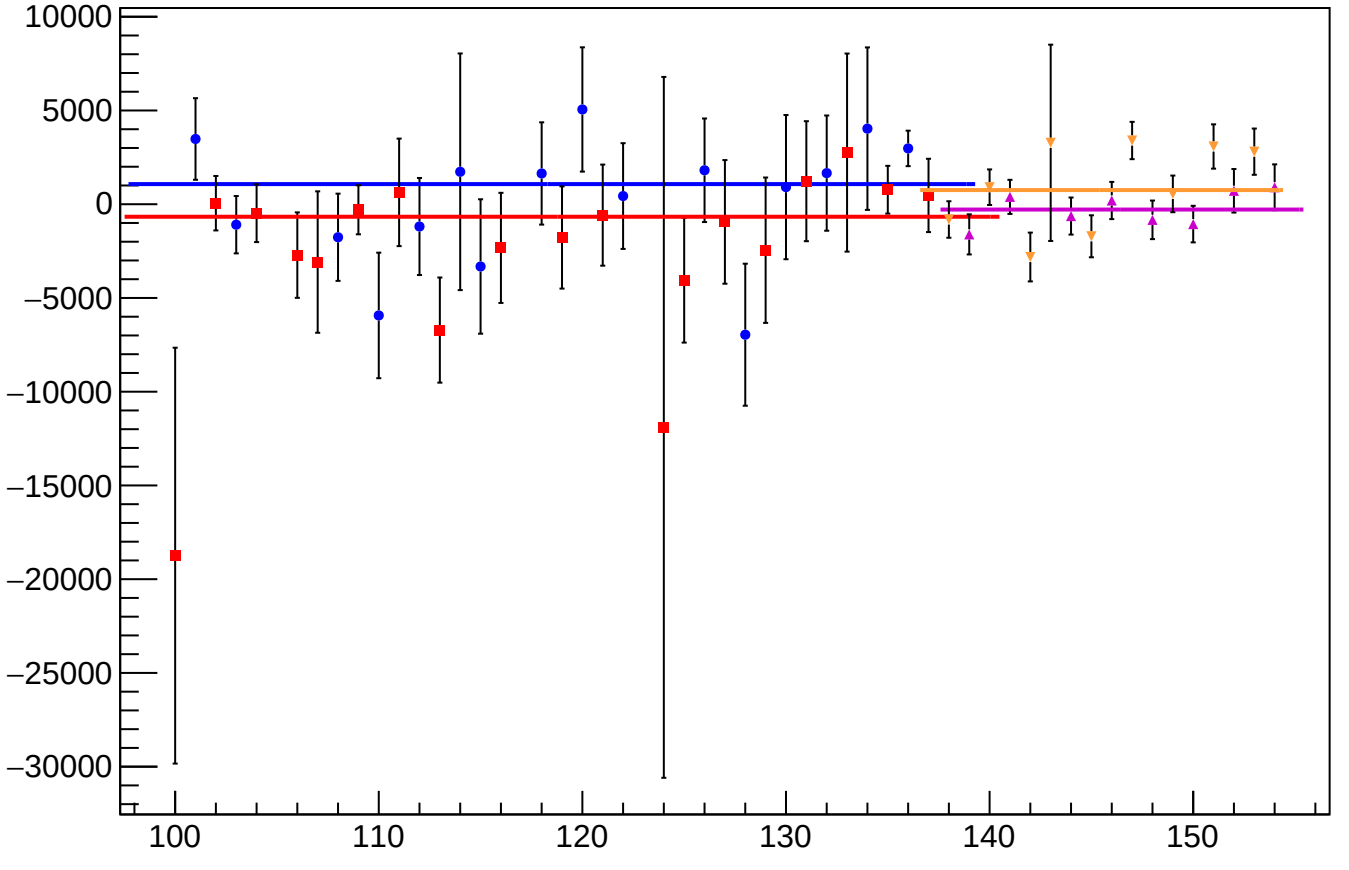
Left: 1753.087+/-0.332 χ^2/NDF: 186808.1/16

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1702.452+/-0.322 χ^2/NDF:458113.2/23

Out: 1664.158+/-0.314 χ^2/NDF:448358.3/27

All: 1682.830+/-0.225 χ^2/NDF: 913735.7/51



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: -284.017+/-364.382 χ^2/NDF:5.1/7

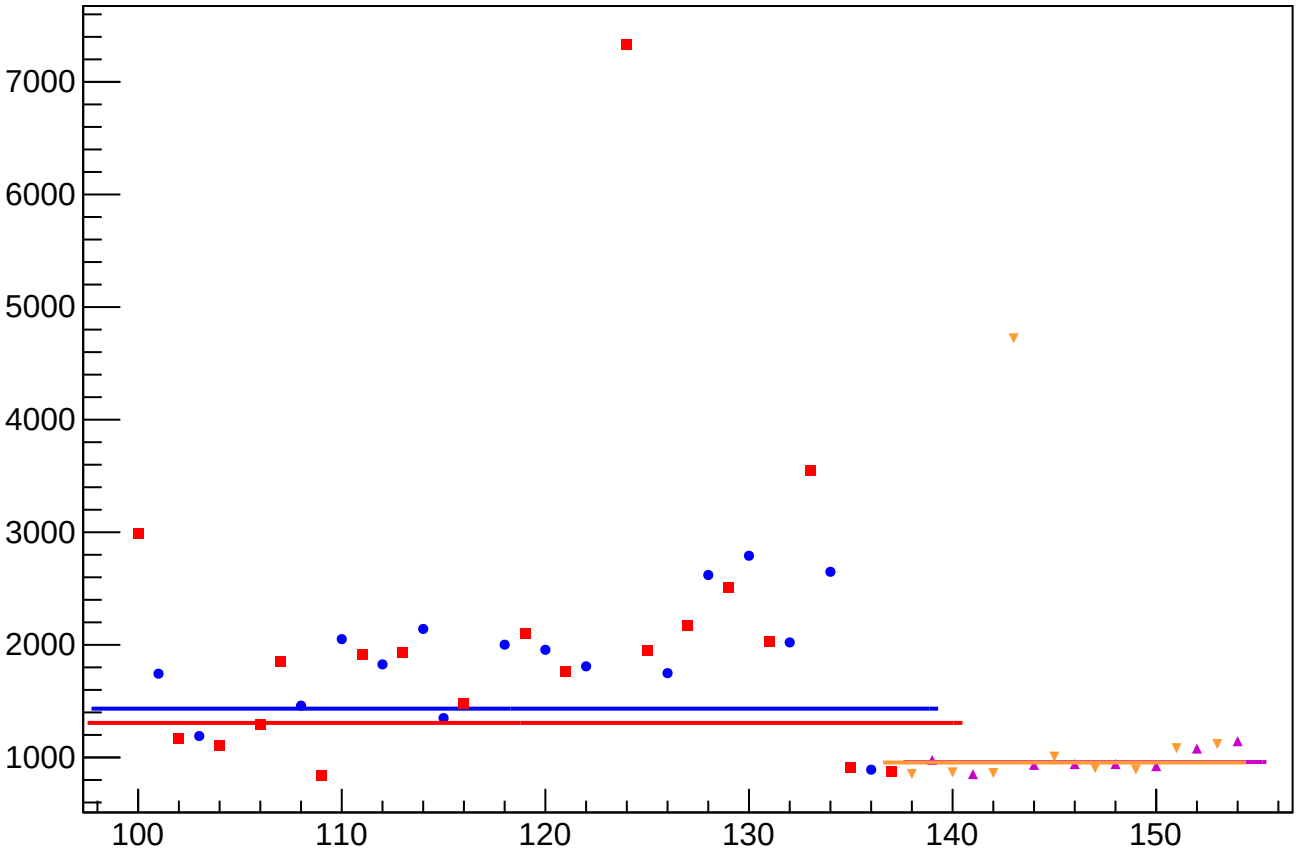
Left: 217.392+/-262.120 χ^2/NDF: 37.9/16

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: 108.255+/-307.262 χ^2/NDF:31.1/23

Out: 268.571+/-306.107 χ^2/NDF:47.4/27

All: 188.715+/-216.858 χ^2/NDF: 78.6/51


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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2000
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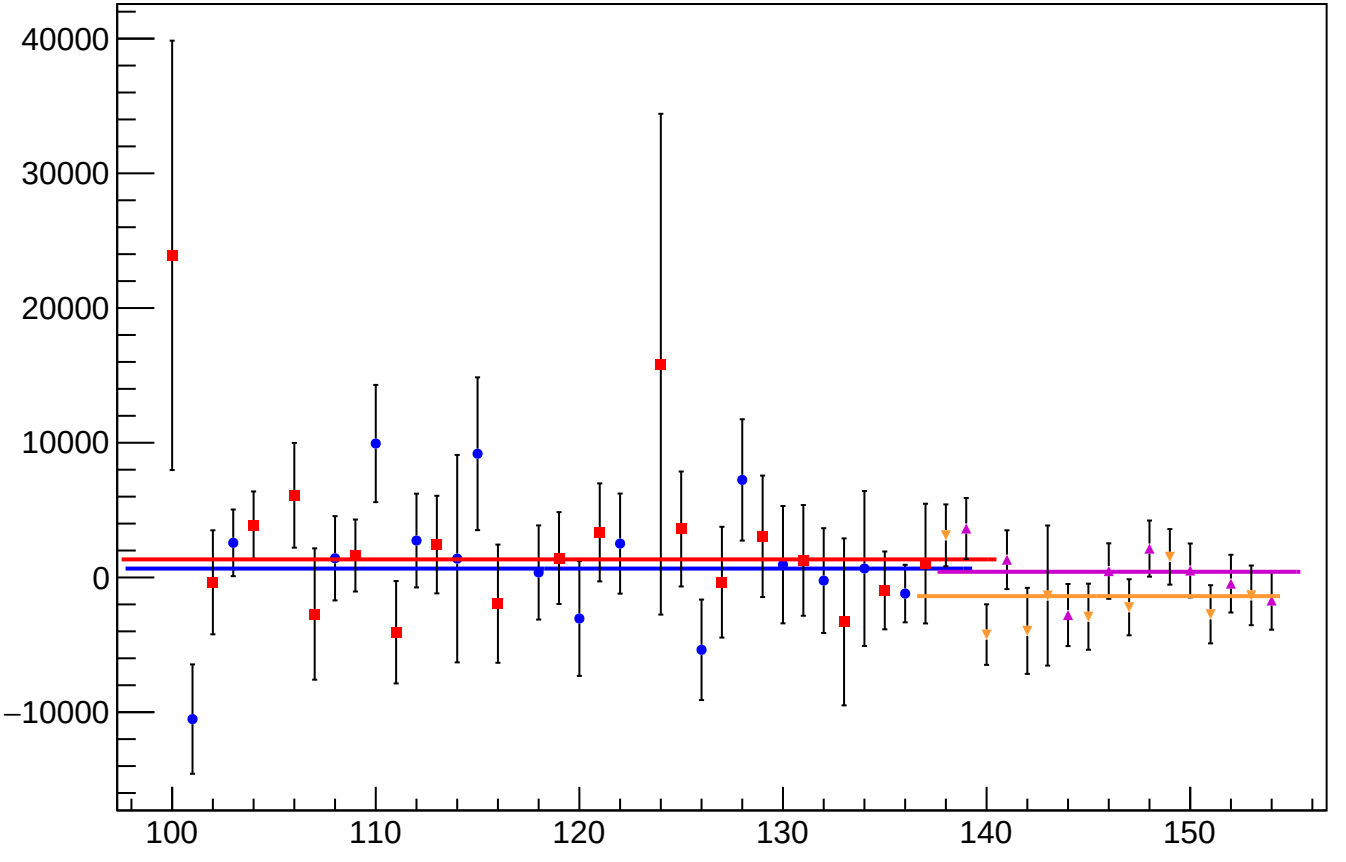
110
120
130
140
150
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 955.264+/-0.267 χ²/NDF:1161497.5/8
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 959.429+/-0.258 χ²/NDF:101139.2/7
Left: 957.419+/-0.185 χ²/NDF: 1262762.8/16
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1096.407+/-0.217 χ²/NDF:2842681.1/23
Out: 1075.494+/-0.216 χ²/NDF:3939123.1/27
All: 1085.911+/-0.153 χ²/NDF: 6786453.9/51

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: 421.933+/-758.095 χ^2/NDF:5.9/7

Left: -435.628+/-549.404 χ^2/NDF: 17.7/16

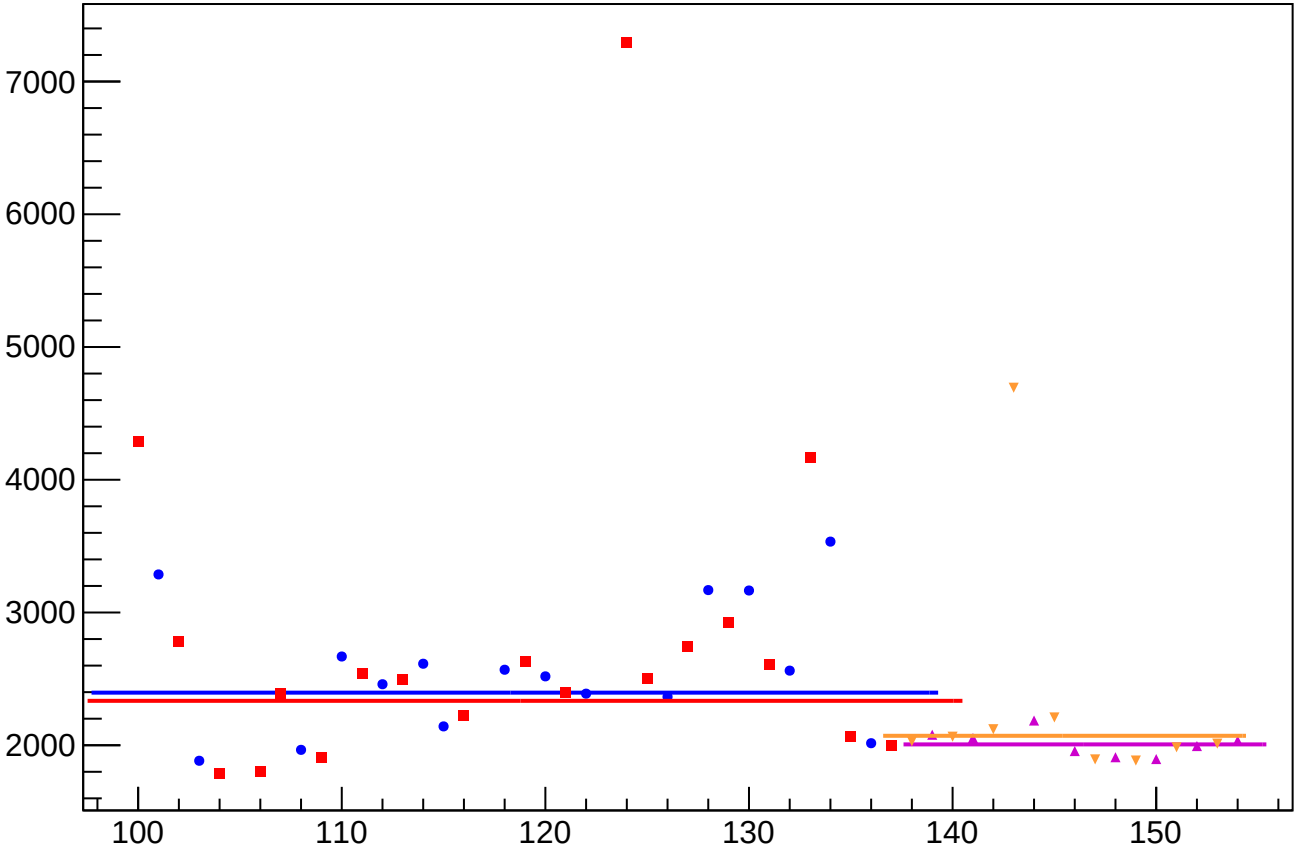
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 519.298+/-582.347 χ^2/NDF:28.0/23

Out: -171.273+/-594.041 χ^2/NDF:25.1/27

All: 180.876+/-415.854 χ^2/NDF: 53.7/51

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: 2006.407+/-0.536 χ^2/NDF:27207.8/7

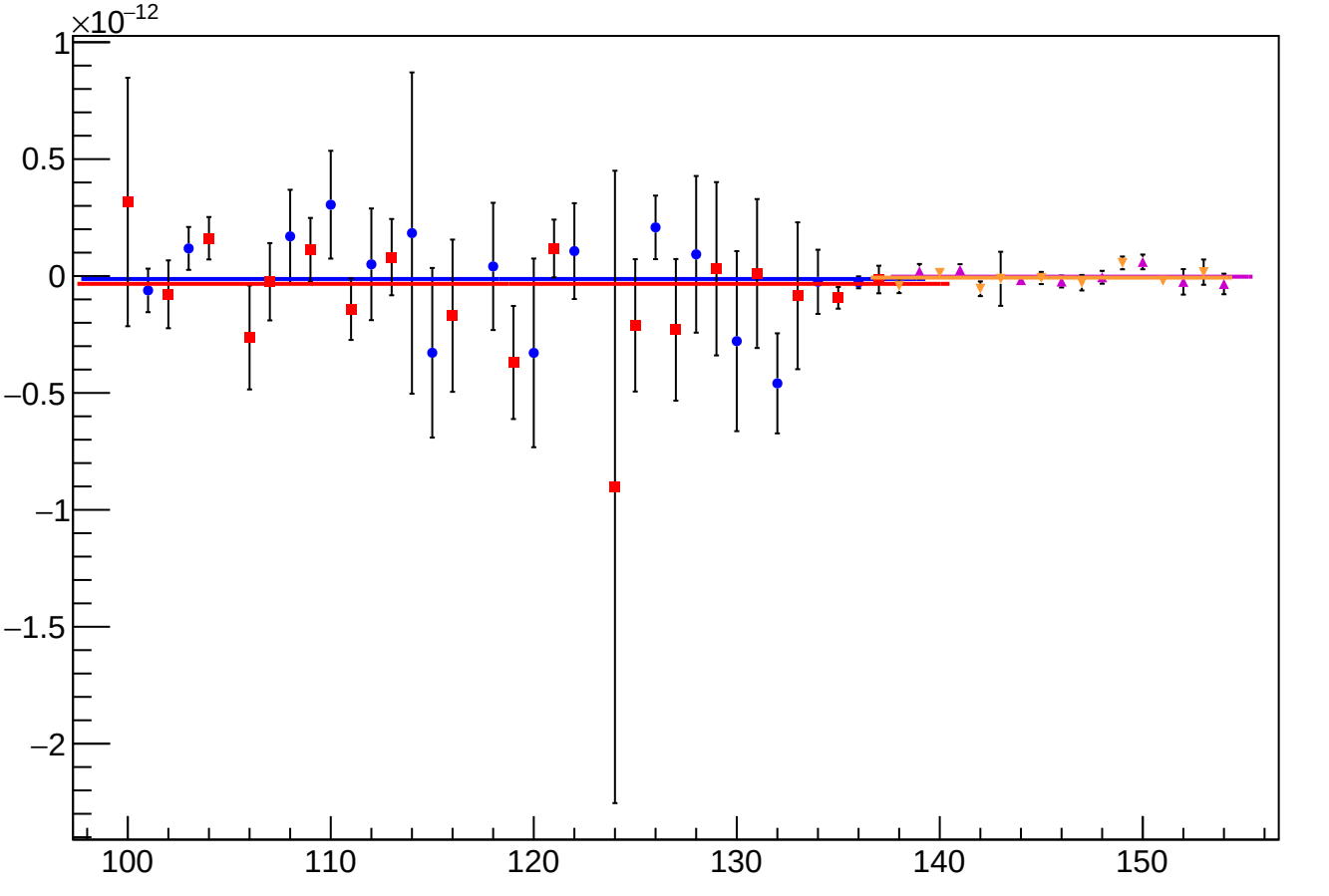
Left: 2037.183+/-0.388 χ^2/NDF: 585533.1/16

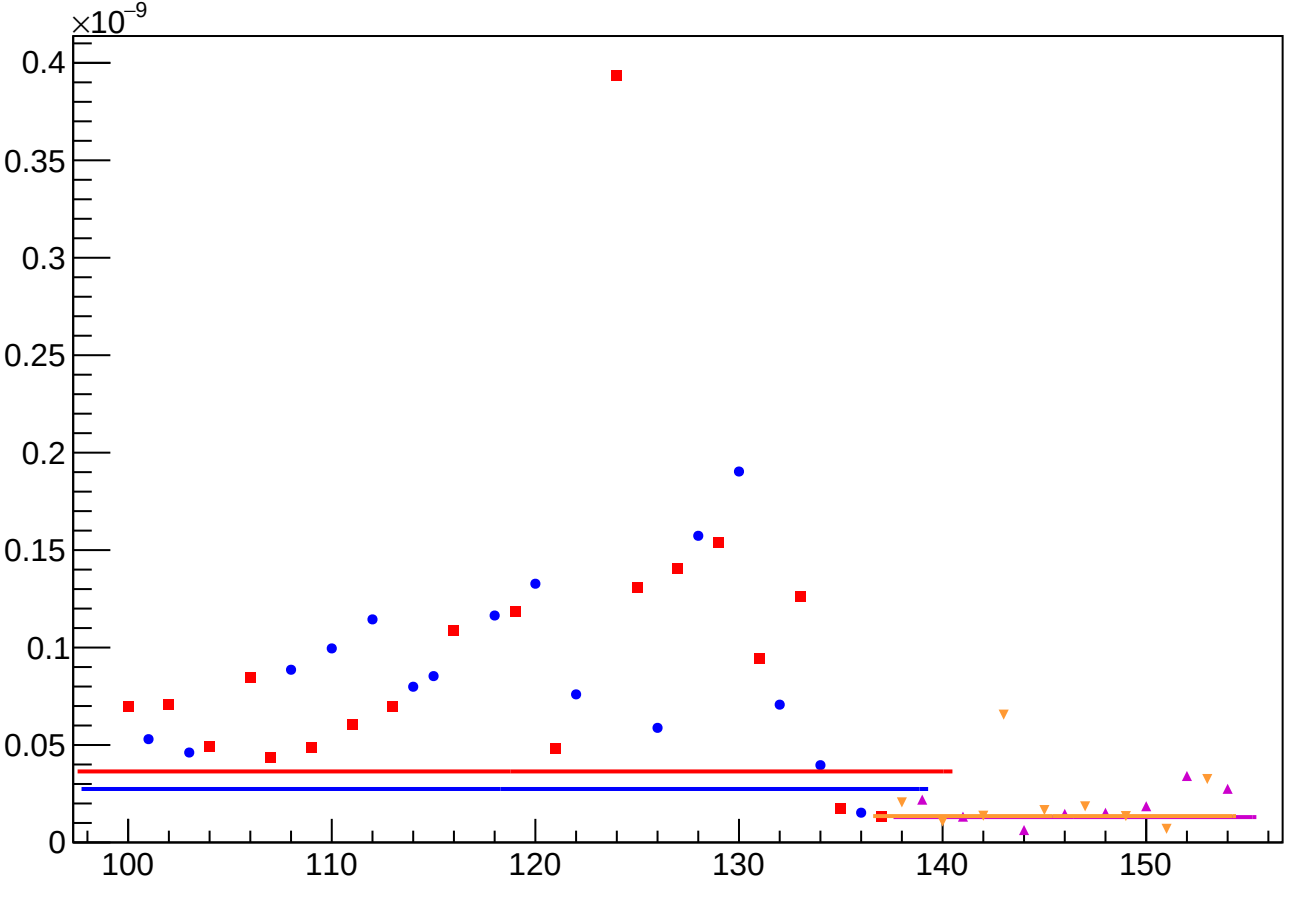
Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2166.219+/-0.412 χ^2/NDF:751931.0/23

Out: 2188.407+/-0.420 χ^2/NDF:1330037.7/27

All: 2177.093+/-0.294 χ^2/NDF: 2083391.5/51


asym_at2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 14.8/15
Left Out: -0.000+/-0.000 χ²/NDF:11.2/8
Right Out: -0.000+/-0.000 χ²/NDF: 15.2/18
Left In: -0.000+/-0.000 χ²/NDF:8.4/7
Left: -0.000+/-0.000 χ²/NDF: 19.6/16
Right: -0.000+/-0.000 χ²/NDF: 30.4/34
In: -0.000+/-0.000 χ²/NDF:23.4/23
Out: -0.000+/-0.000 χ²/NDF:27.2/27
All: -0.000+/-0.000 χ²/NDF: 50.7/51



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:1223498.1/7

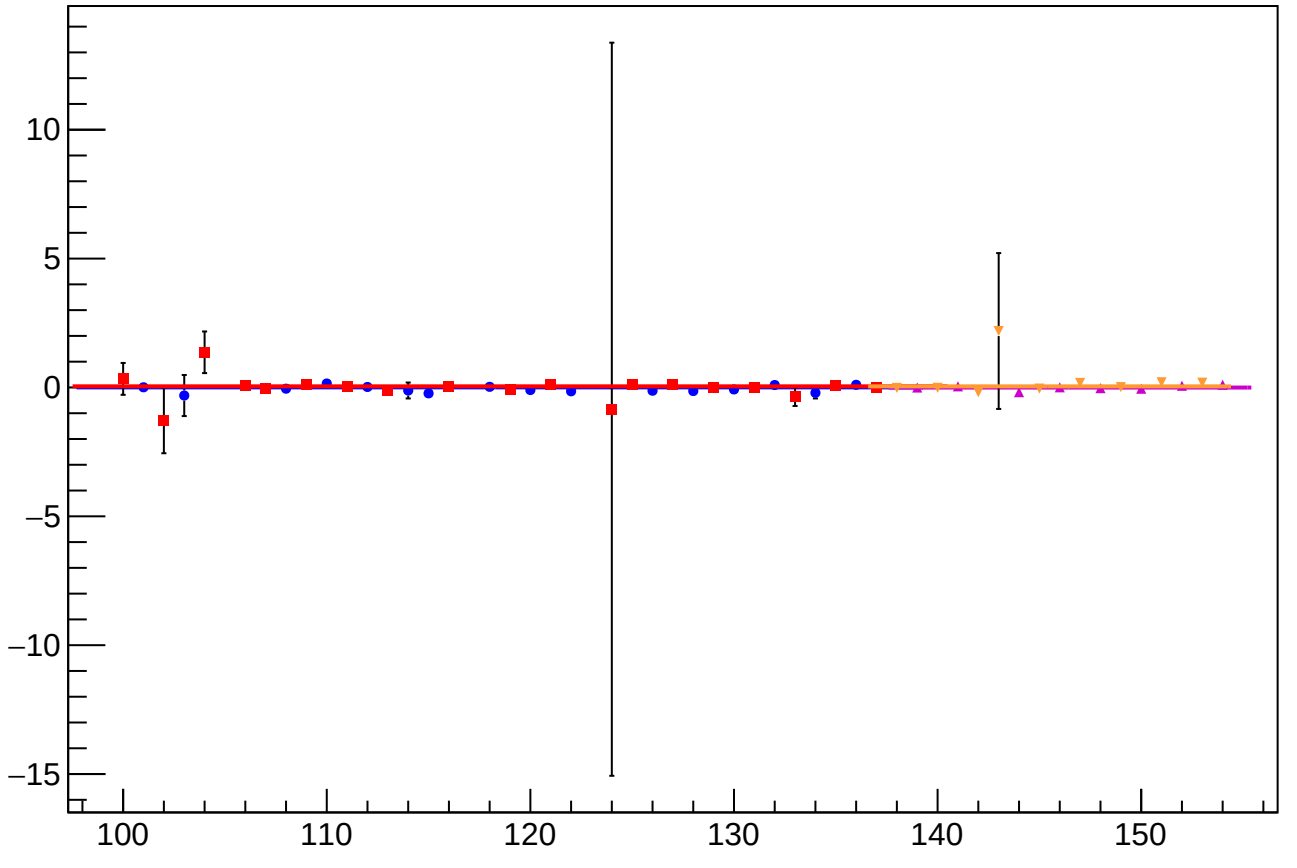
Left: 0.000+/-0.000 χ^2/NDF: 2347765.8/16

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4679361.6/23

Out: 0.000+/-0.000 χ^2/NDF:4773158.2/27

All: 0.000+/-0.000 χ^2/NDF: 9460096.4/51



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: -0.004+/-0.025 χ^2/NDF:5.3/7

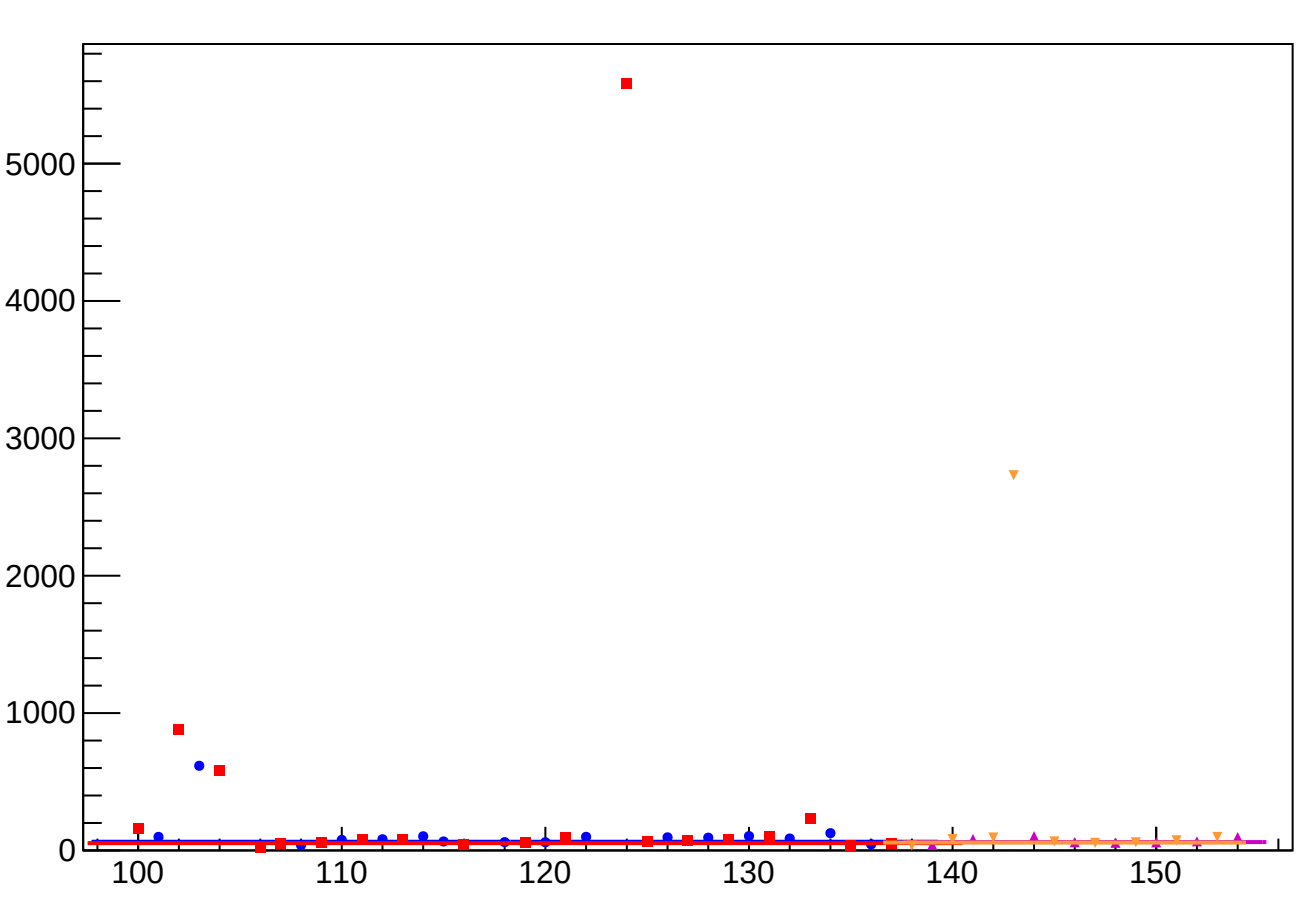
Left: 0.019+/-0.018 χ^2/NDF: 23.1/16

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.001+/-0.019 χ^2/NDF:18.6/23

Out: 0.043+/-0.018 χ^2/NDF:28.8/27

All: 0.022+/-0.013 χ^2/NDF: 50.4/51



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: 60.997+/-0.018 χ^2/NDF:1008703.5/7

Left: 59.291+/-0.013 χ^2/NDF: 3763768.4/16

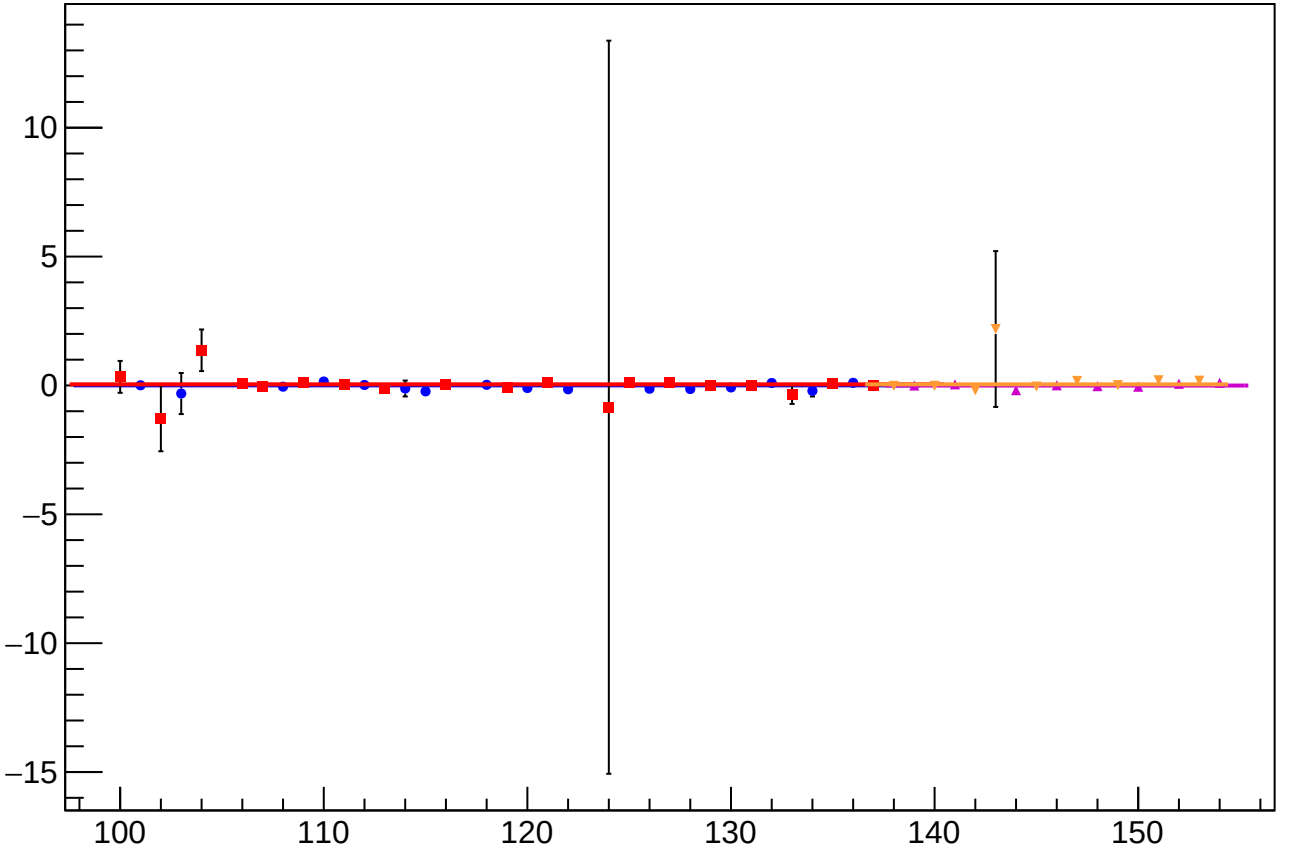
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 62.141+/-0.013 χ^2/NDF:3462672.0/23

Out: 55.307+/-0.013 χ^2/NDF:6712189.2/27

All: 58.589+/-0.009 χ^2/NDF: 10315688.5/51

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: -0.004+/-0.025 χ^2/NDF:5.3/7

Left: 0.019+/-0.018 χ^2/NDF: 23.1/16

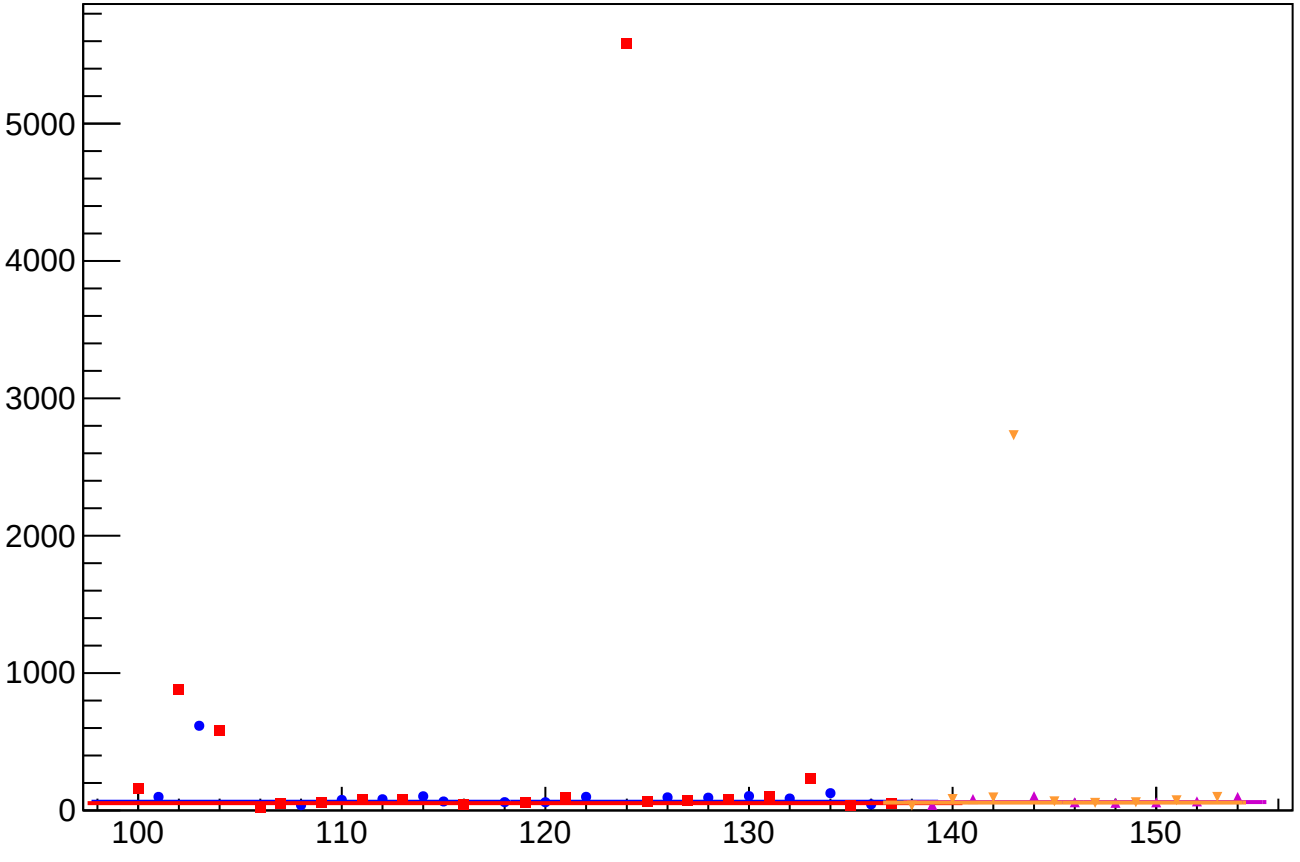
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.001+/-0.019 χ^2/NDF:18.6/23

Out: 0.043+/-0.018 χ^2/NDF:28.8/27

All: 0.022+/-0.013 χ^2/NDF: 50.4/51

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.550+/-0.018 χ^2/NDF:2736824.9/8

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 60.997+/-0.018 χ^2/NDF:1008703.5/7

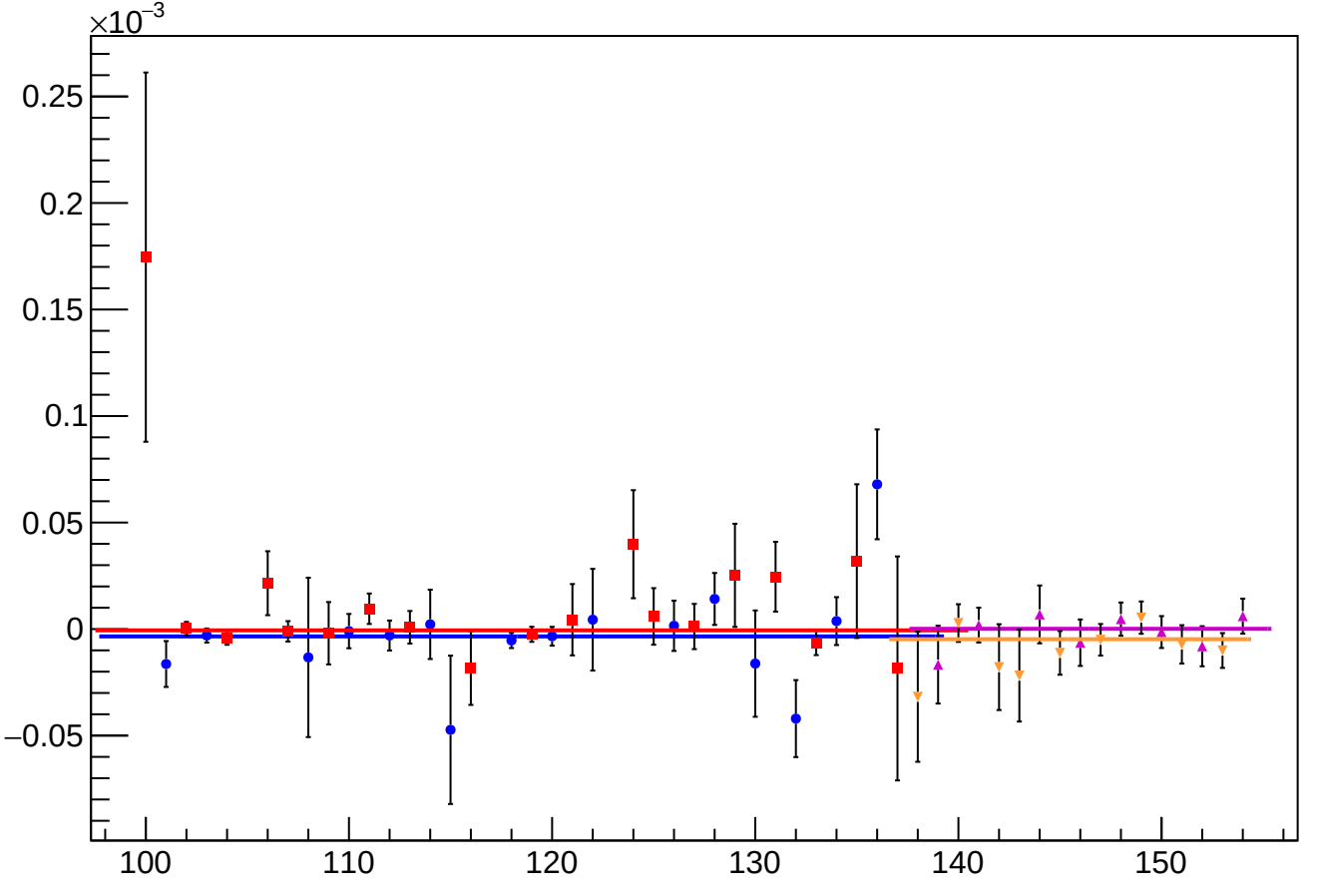
Left: 59.291+/-0.013 χ^2/NDF: 3763768.4/16

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 62.141+/-0.013 χ^2/NDF:3462672.0/23

Out: 55.307+/-0.013 χ^2/NDF:6712189.2/27

All: 58.589+/-0.009 χ^2/NDF: 10315688.5/51



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:3.2/7

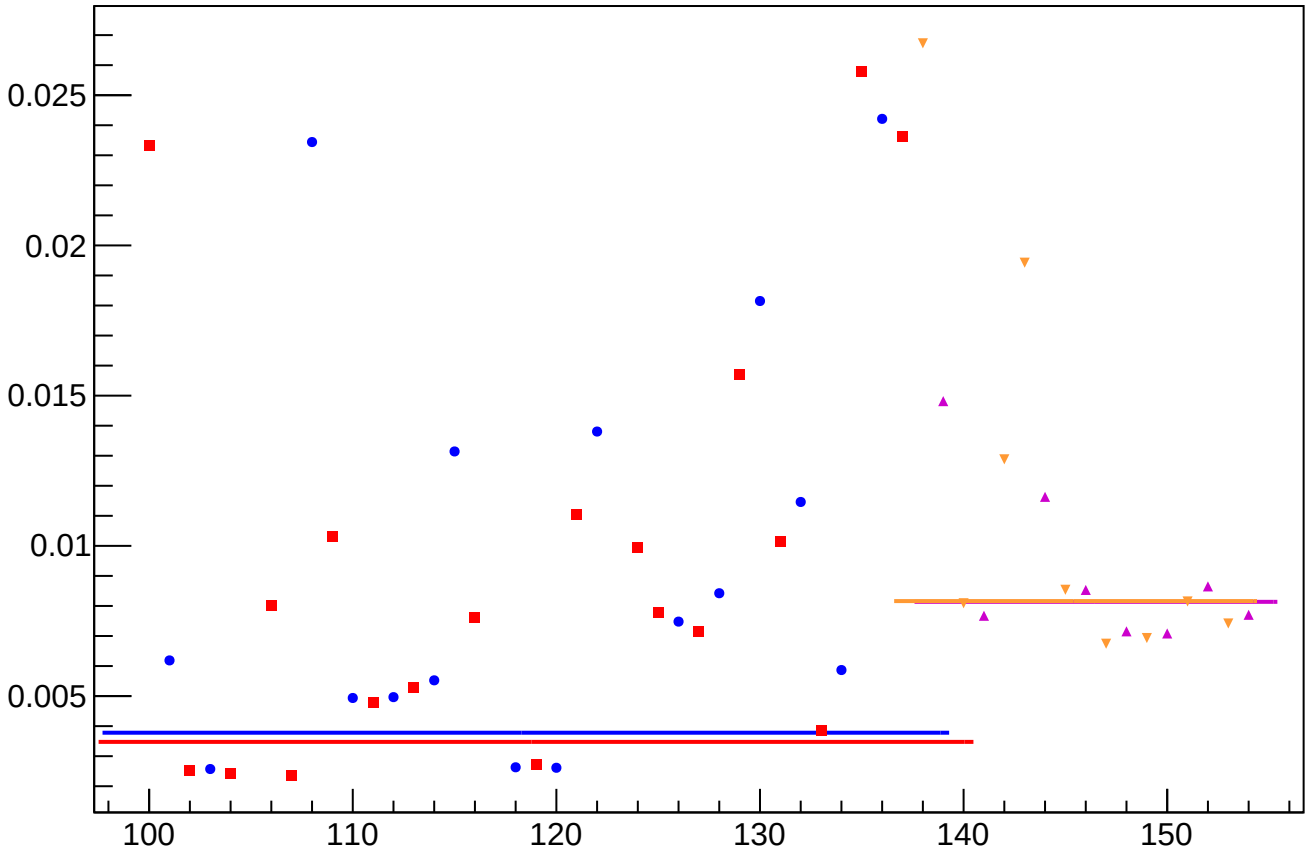
Left: -0.000+/-0.000 χ^2/NDF: 9.5/16

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:22.9/23

Out: -0.000+/-0.000 χ^2/NDF:25.7/27

All: -0.000+/-0.000 χ^2/NDF: 49.0/51



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:491692.1/7

Left: 0.008+/-0.000 χ^2/NDF: 2032304.4/16

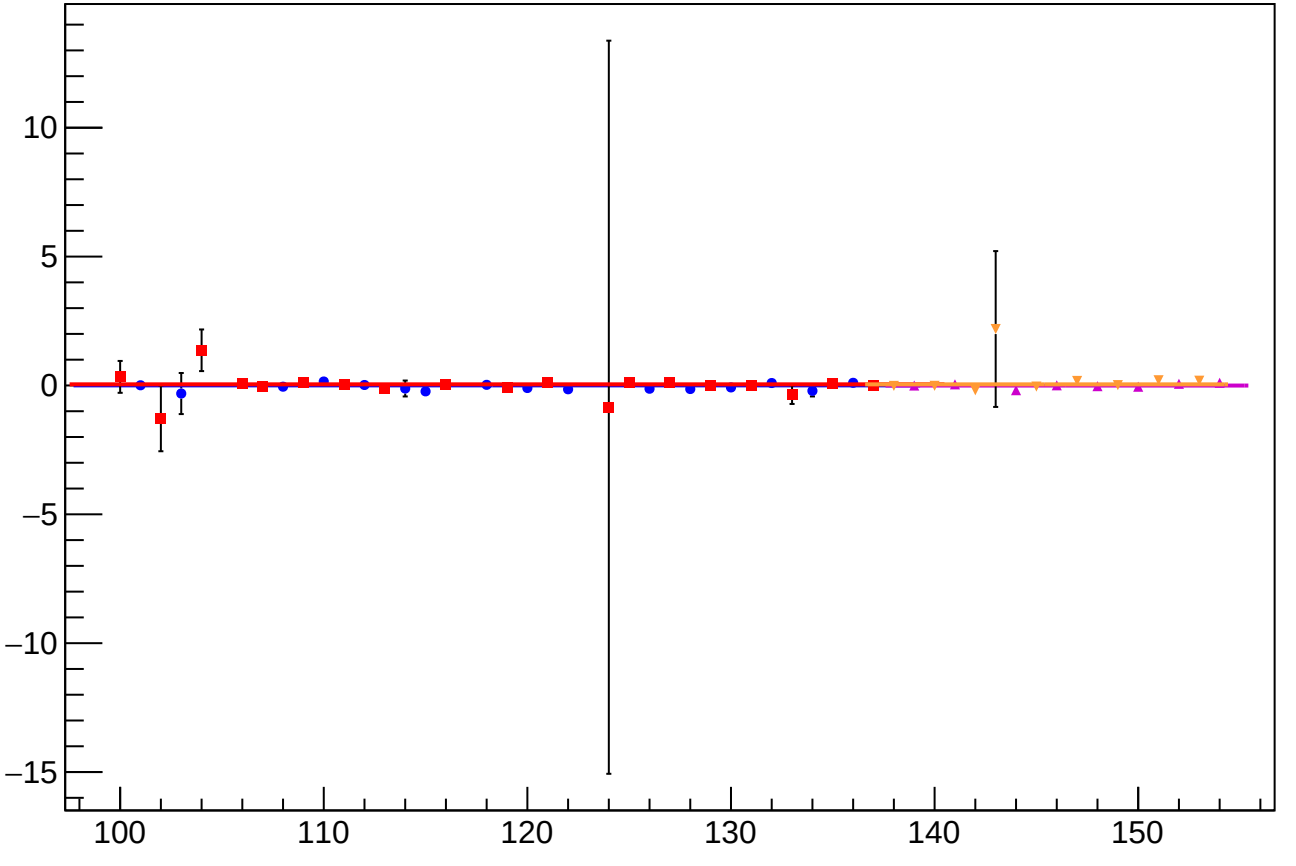
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:7885070.9/23

Out: 0.004+/-0.000 χ^2/NDF:9313498.0/27

All: 0.005+/-0.000 χ^2/NDF: 17306759.4/51

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.043+/-0.026 χ^2/NDF:16.2/8

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.004+/-0.025 χ^2/NDF:5.3/7

Left: 0.019+/-0.018 χ^2/NDF: 23.1/16

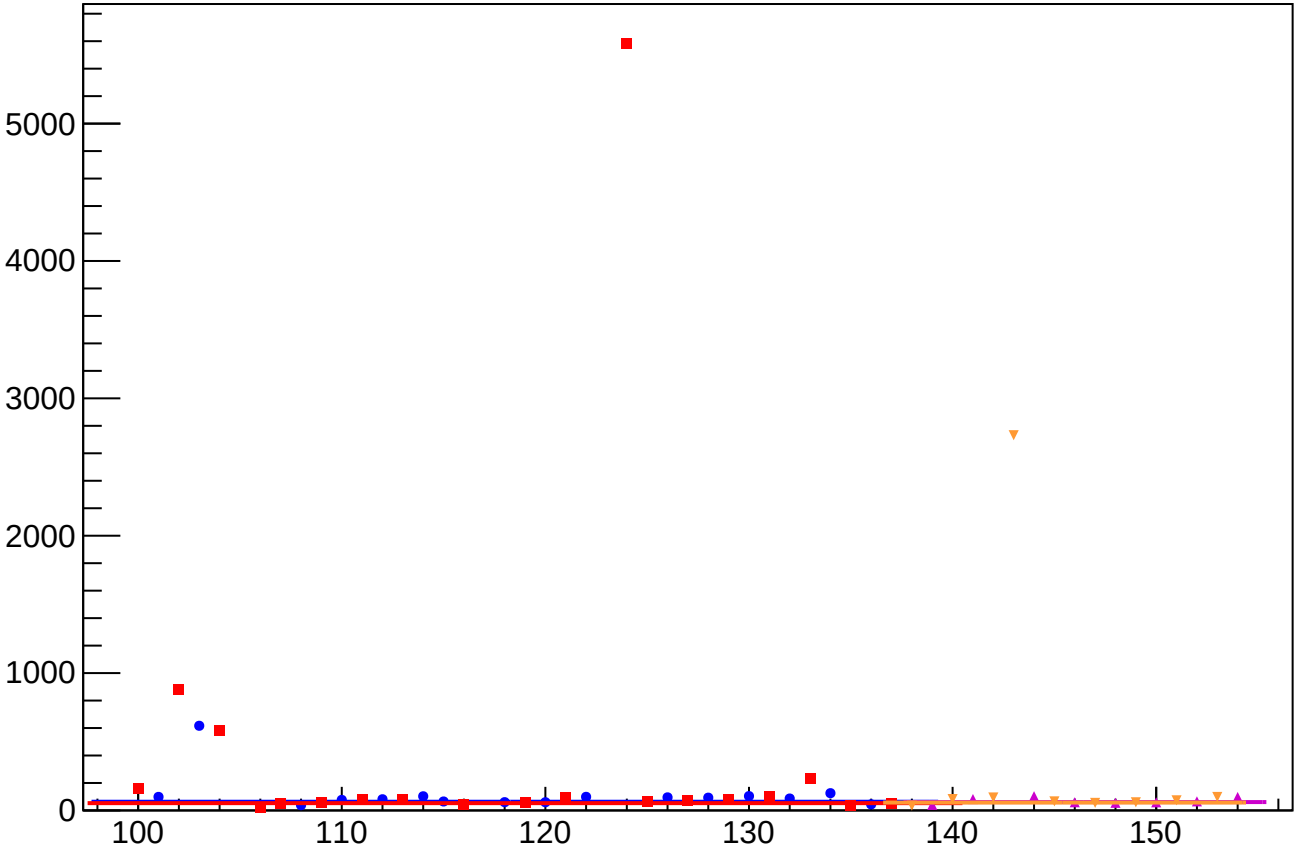
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.001+/-0.019 χ^2/NDF:18.6/23

Out: 0.043+/-0.018 χ^2/NDF:28.8/27

All: 0.022+/-0.013 χ^2/NDF: 50.4/51

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: 61.001+/-0.018 χ^2/NDF:1008341.6/7

Left: 59.292+/-0.013 χ^2/NDF: 3763437.5/16

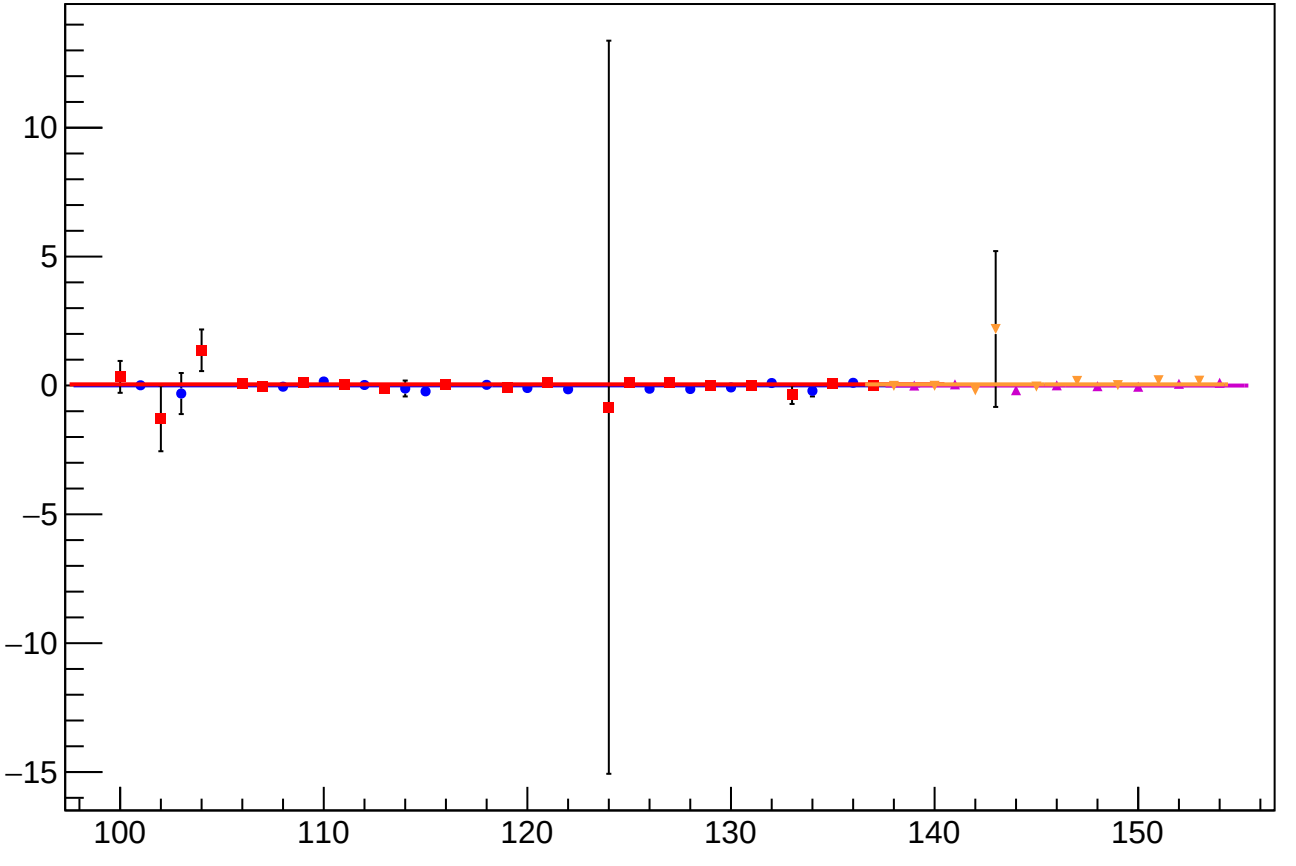
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 62.147+/-0.013 χ^2/NDF:3461448.9/23

Out: 55.304+/-0.013 χ^2/NDF:6712750.4/27

All: 58.589+/-0.009 χ^2/NDF: 10315424.5/51

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: -0.004+/-0.025 χ^2/NDF:5.3/7

Left: 0.019+/-0.018 χ^2/NDF: 23.1/16

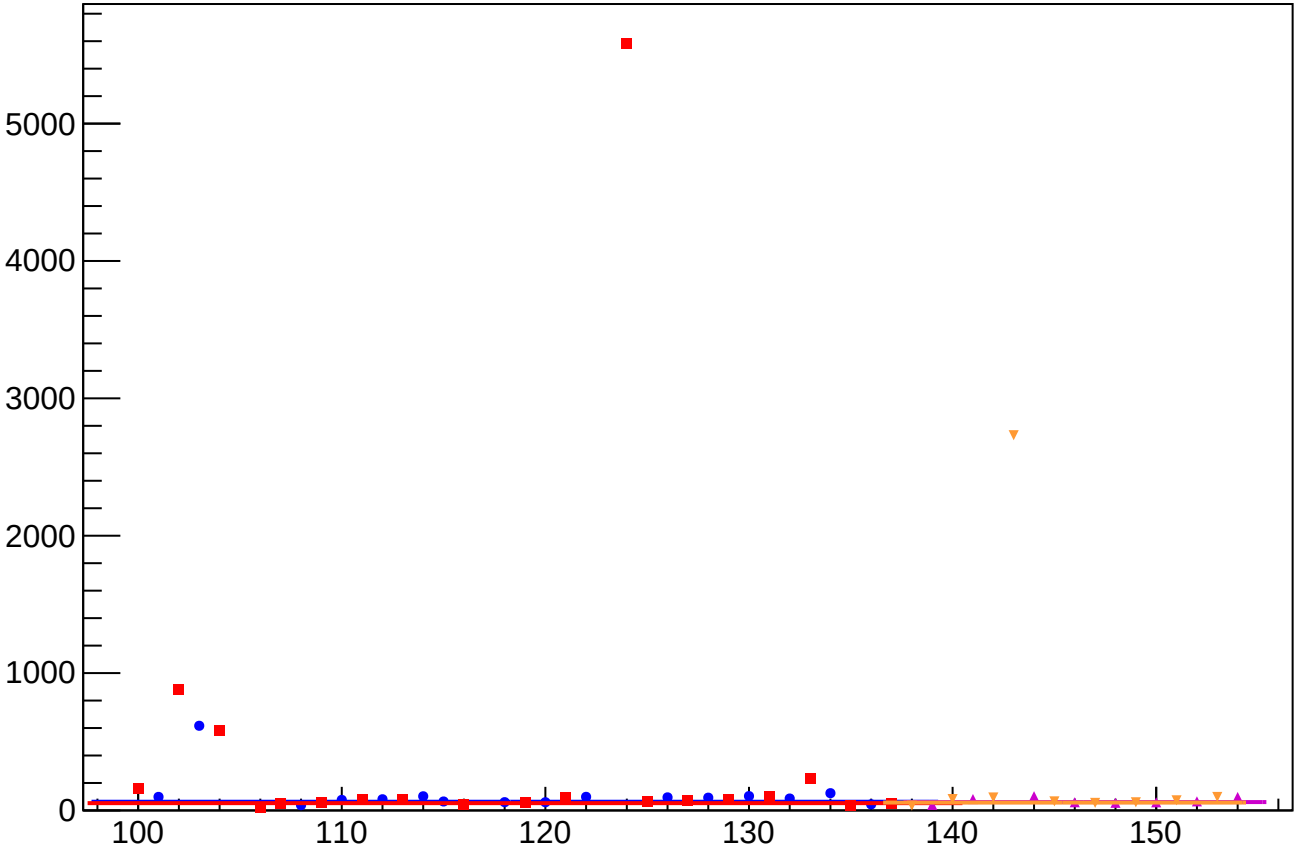
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.001+/-0.019 χ^2/NDF:18.6/23

Out: 0.043+/-0.018 χ^2/NDF:28.8/27

All: 0.022+/-0.013 χ^2/NDF: 50.4/51

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: 61.001+/-0.018 χ^2/NDF:1008341.6/7

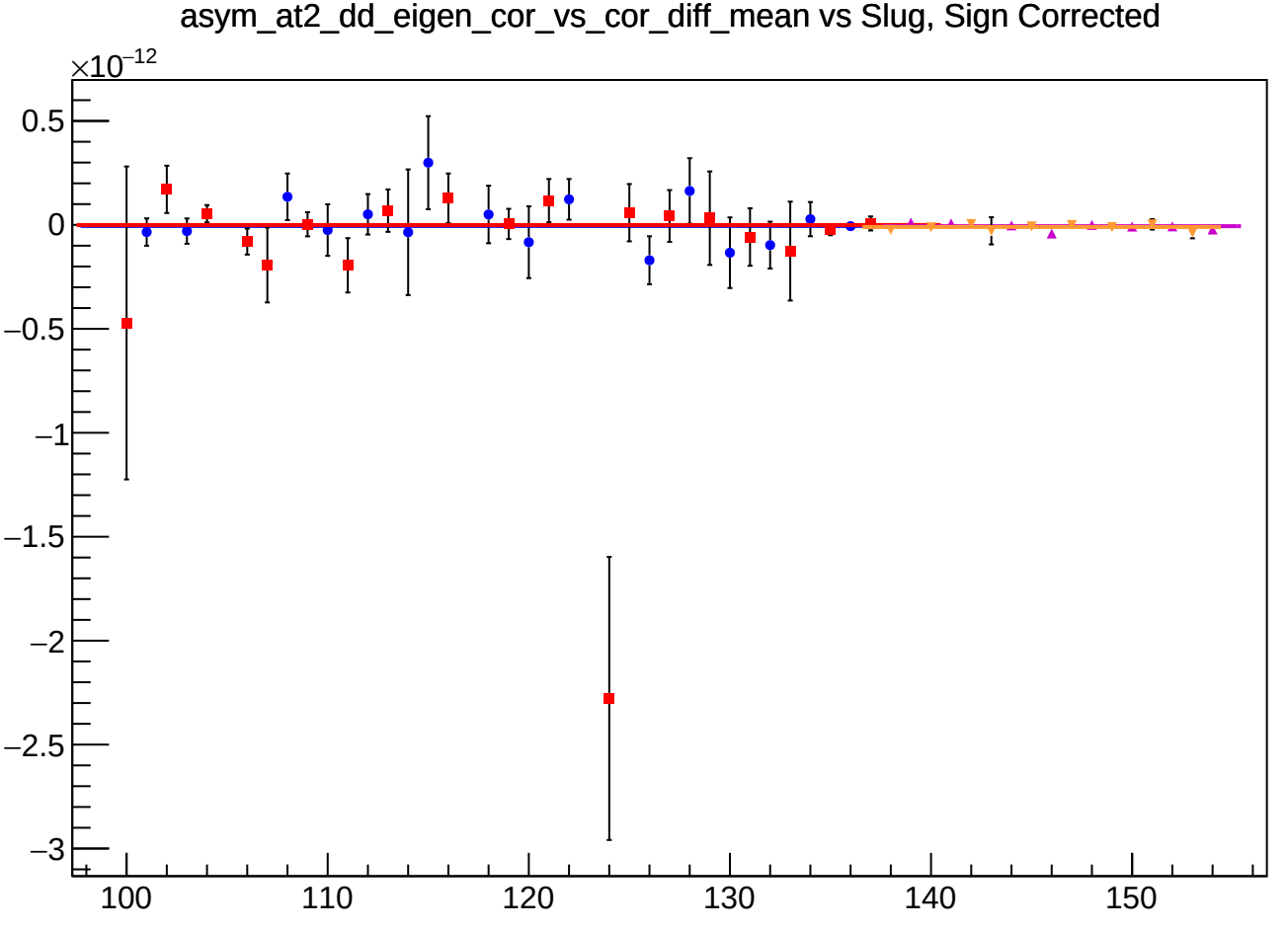
Left: 59.292+/-0.013 χ^2/NDF: 3763437.5/16

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 62.147+/-0.013 χ^2/NDF:3461448.9/23

Out: 55.304+/-0.013 χ^2/NDF:6712750.4/27

All: 58.589+/-0.009 χ^2/NDF: 10315424.5/51



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:7.6/7

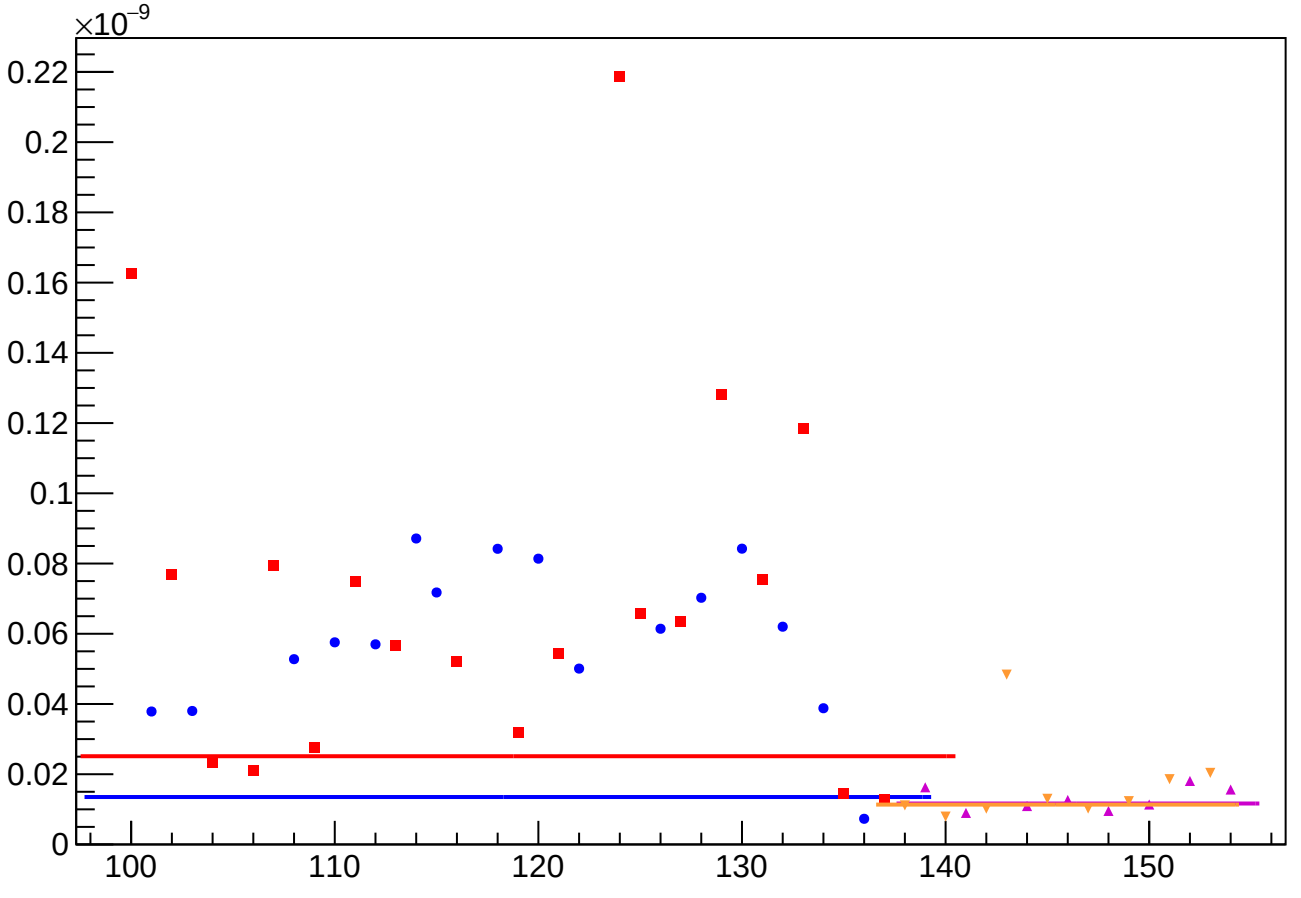
Left: -0.000+/-0.000 χ^2/NDF: 11.0/16

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:18.4/23

Out: -0.000+/-0.000 χ^2/NDF:28.6/27

All: -0.000+/-0.000 χ^2/NDF: 47.2/51



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:481387.4/7

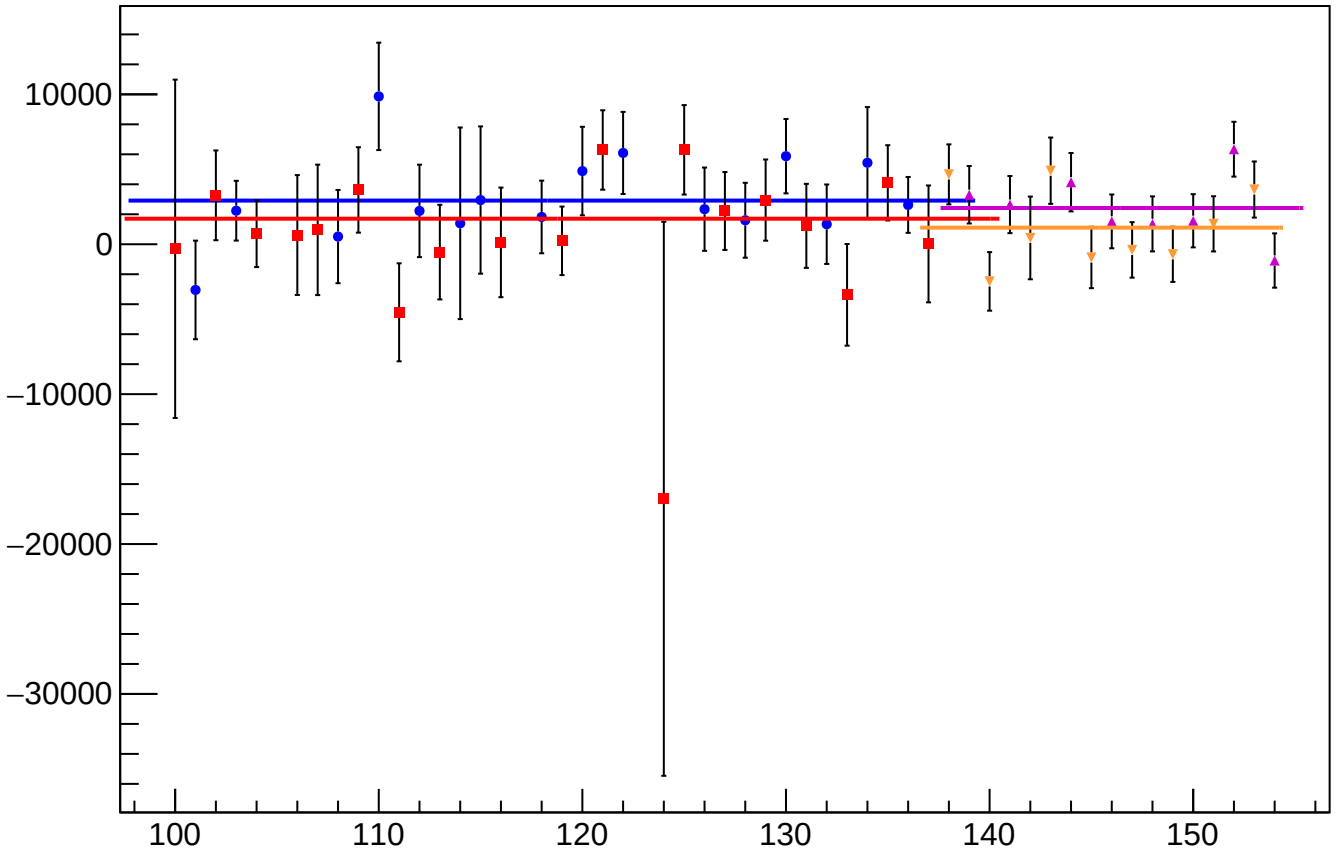
Left: 0.000+/-0.000 χ^2/NDF: 1780287.1/16

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5524669.6/23

Out: 0.000+/-0.000 χ^2/NDF:6346223.8/27

All: 0.000+/-0.000 χ^2/NDF: 11905227.0/51



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: 2418.104+/-653.647 χ^2/NDF:10.2/7

Left: 1775.599+/-466.582 χ^2/NDF: 26.1/16

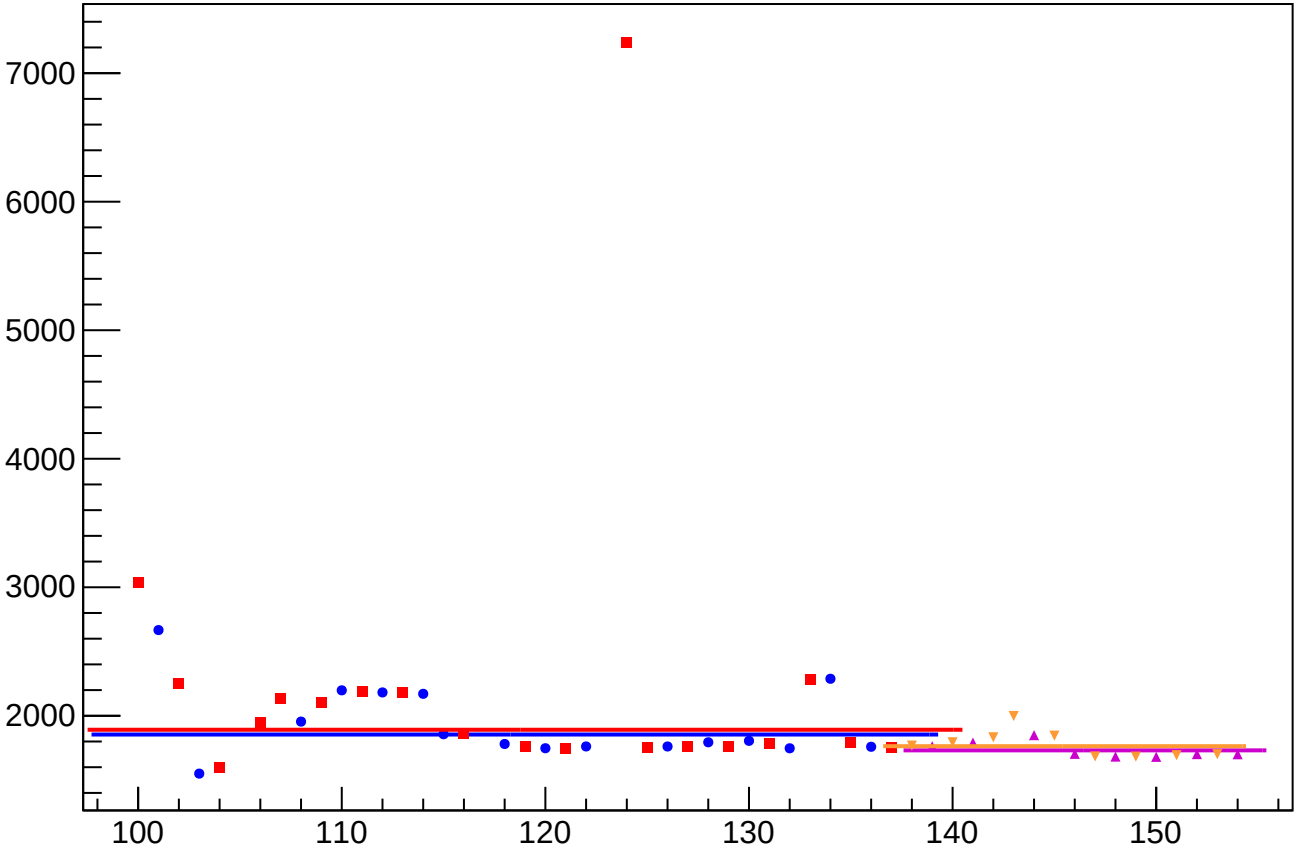
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2650.365+/-476.167 χ^2/NDF:22.9/23

Out: 1388.877+/-484.817 χ^2/NDF:30.1/27

All: 2030.975+/-339.718 χ^2/NDF: 56.4/51

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: 1731.087+/-0.462 χ^2/NDF:14457.4/7

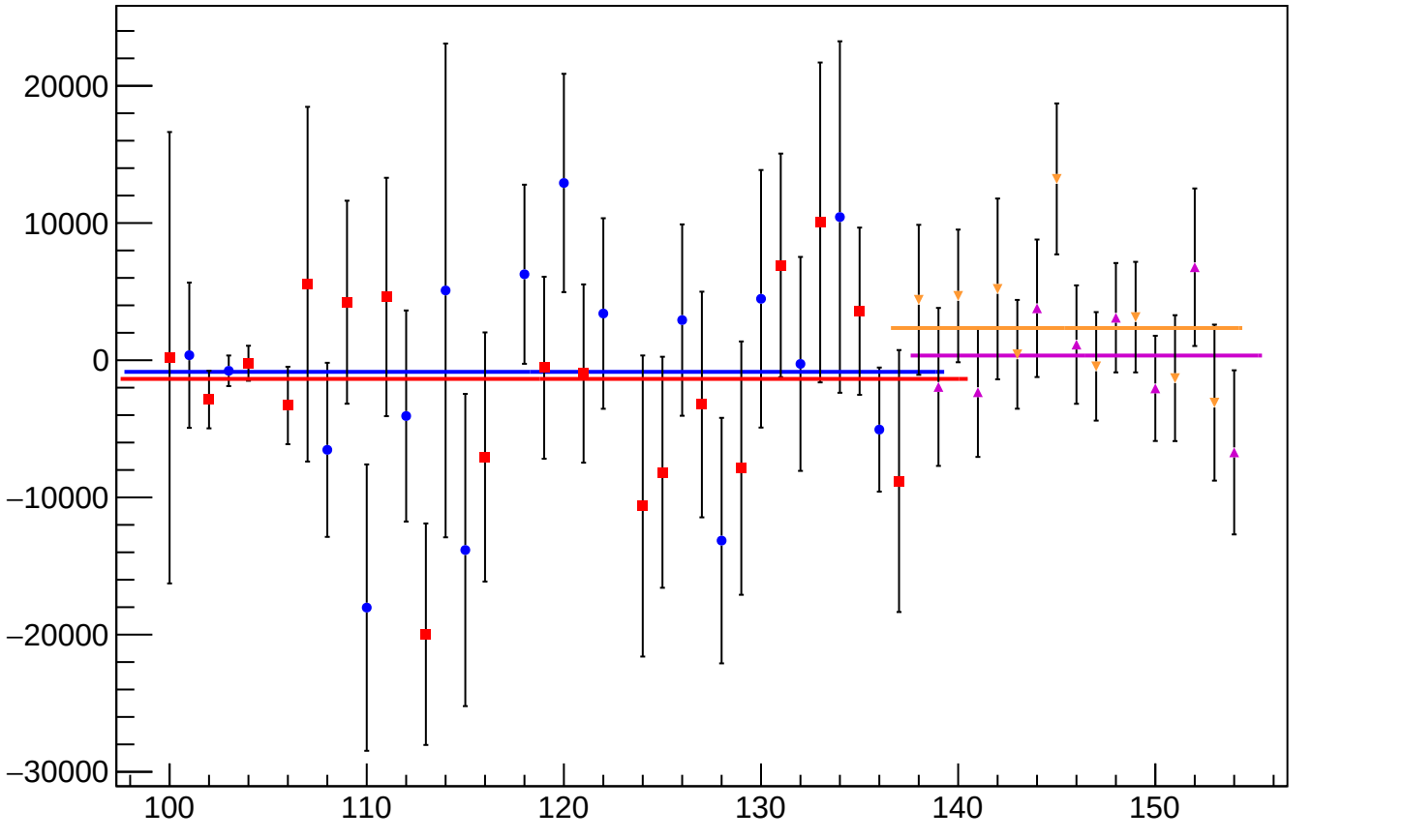
Left: 1747.016+/-0.330 χ^2/NDF: 57108.3/16

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1788.920+/-0.337 χ^2/NDF:311139.6/23

Out: 1823.883+/-0.342 χ^2/NDF:439044.6/27

All: 1806.106+/-0.240 χ^2/NDF: 755484.5/51



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: 341.370+/-1671.675 χ^2/NDF:4.5/7

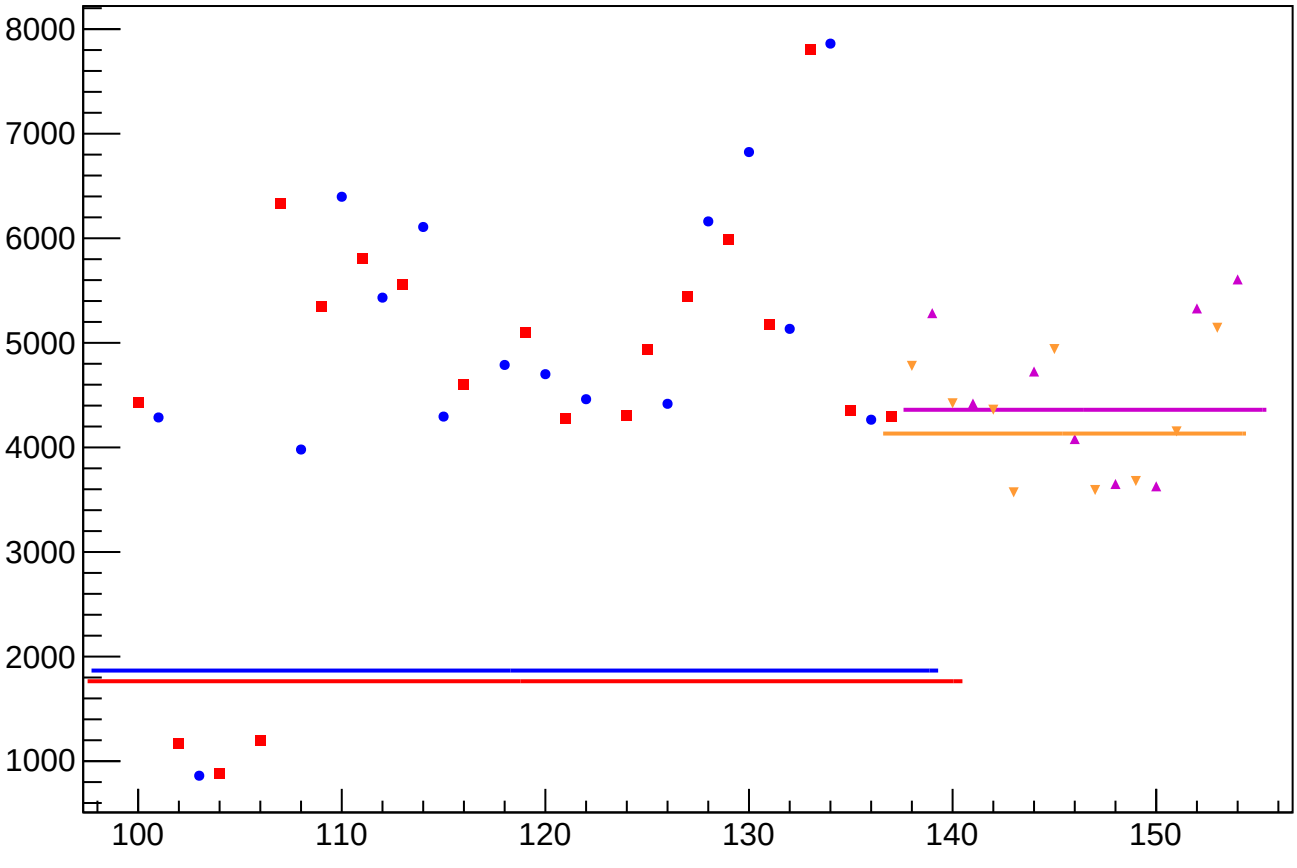
Left: 1400.374+/-1148.712 χ^2/NDF: 12.0/16

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -551.667+/-834.393 χ^2/NDF:18.7/23

Out: -429.551+/-792.552 χ^2/NDF:24.9/27

All: -487.471+/-574.641 χ^2/NDF: 43.7/51



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: 4359.976+/-1.182 χ^2/NDF:351056.2/7

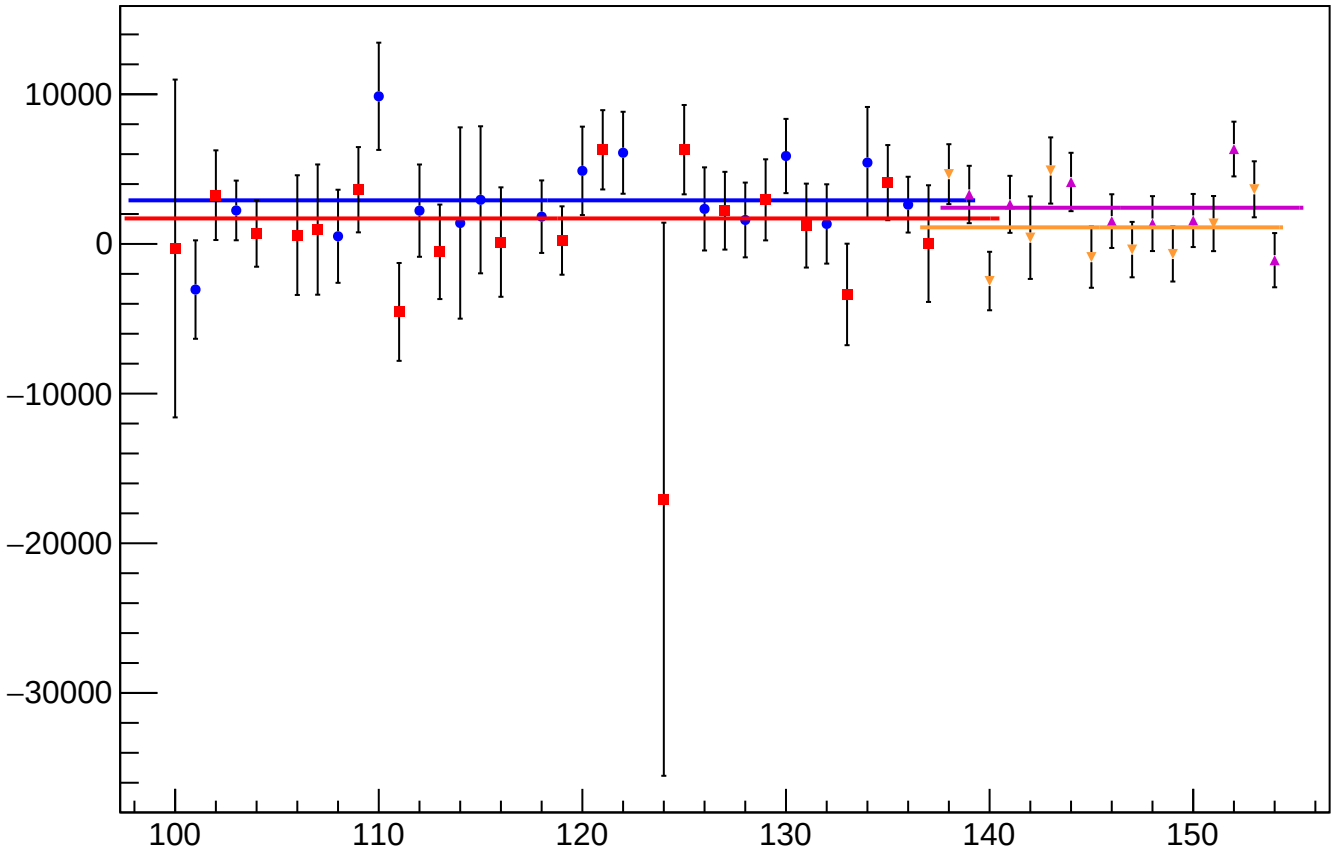
Left: 4239.990+/-0.812 χ^2/NDF: 617548.5/16

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2487.645+/-0.590 χ^2/NDF:10542113.5/23

Out: 2359.338+/-0.560 χ^2/NDF:10041608.3/27

All: 2420.194+/-0.406 χ^2/NDF: 20608583.3/5



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: 2418.288+/-653.647 χ^2/NDF:10.2/7

Left: 1775.604+/-466.582 χ^2/NDF: 26.1/16

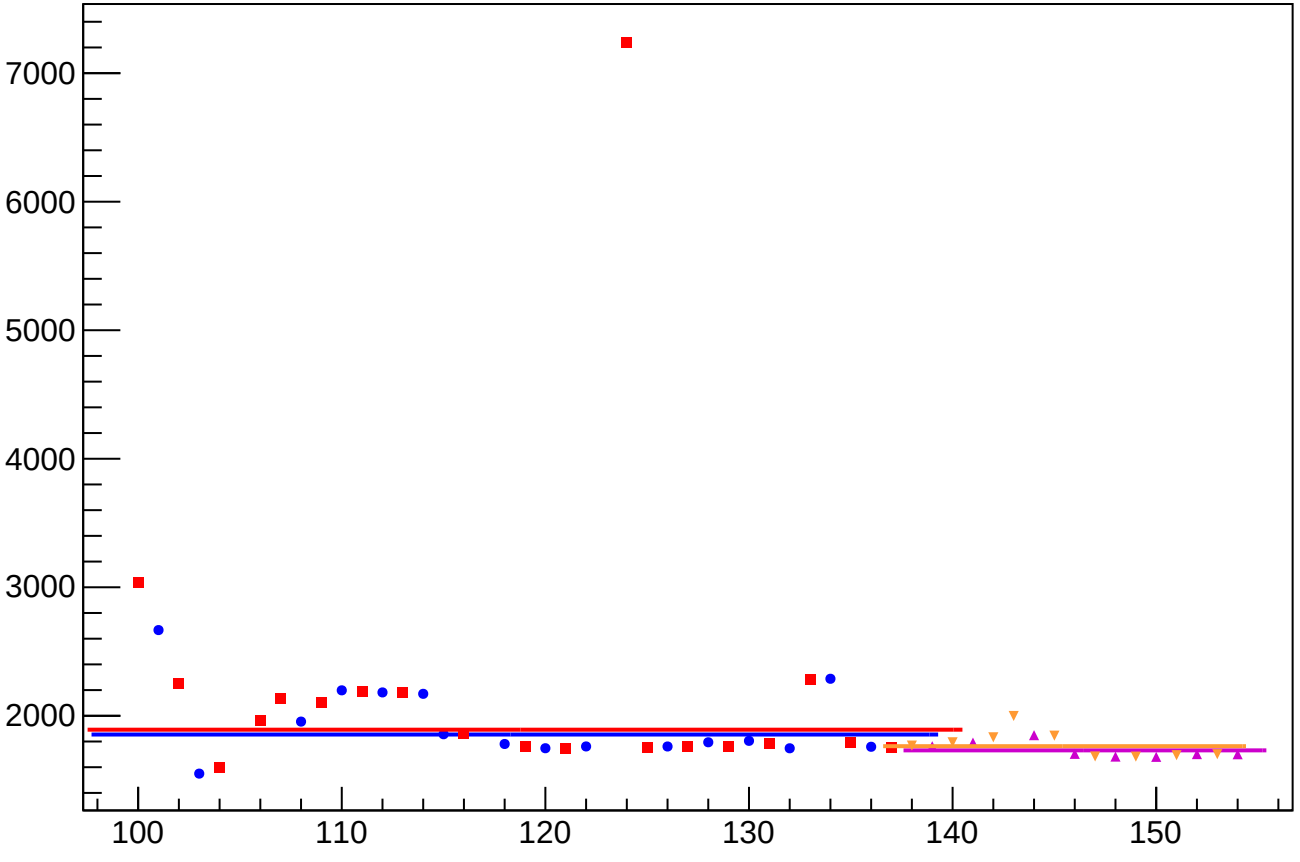
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2650.510+/-476.167 χ^2/NDF:22.9/23

Out: 1388.131+/-484.817 χ^2/NDF:30.1/27

All: 2030.683+/-339.718 χ^2/NDF: 56.5/51

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: 1731.087+/-0.462 χ^2/NDF:14457.4/7

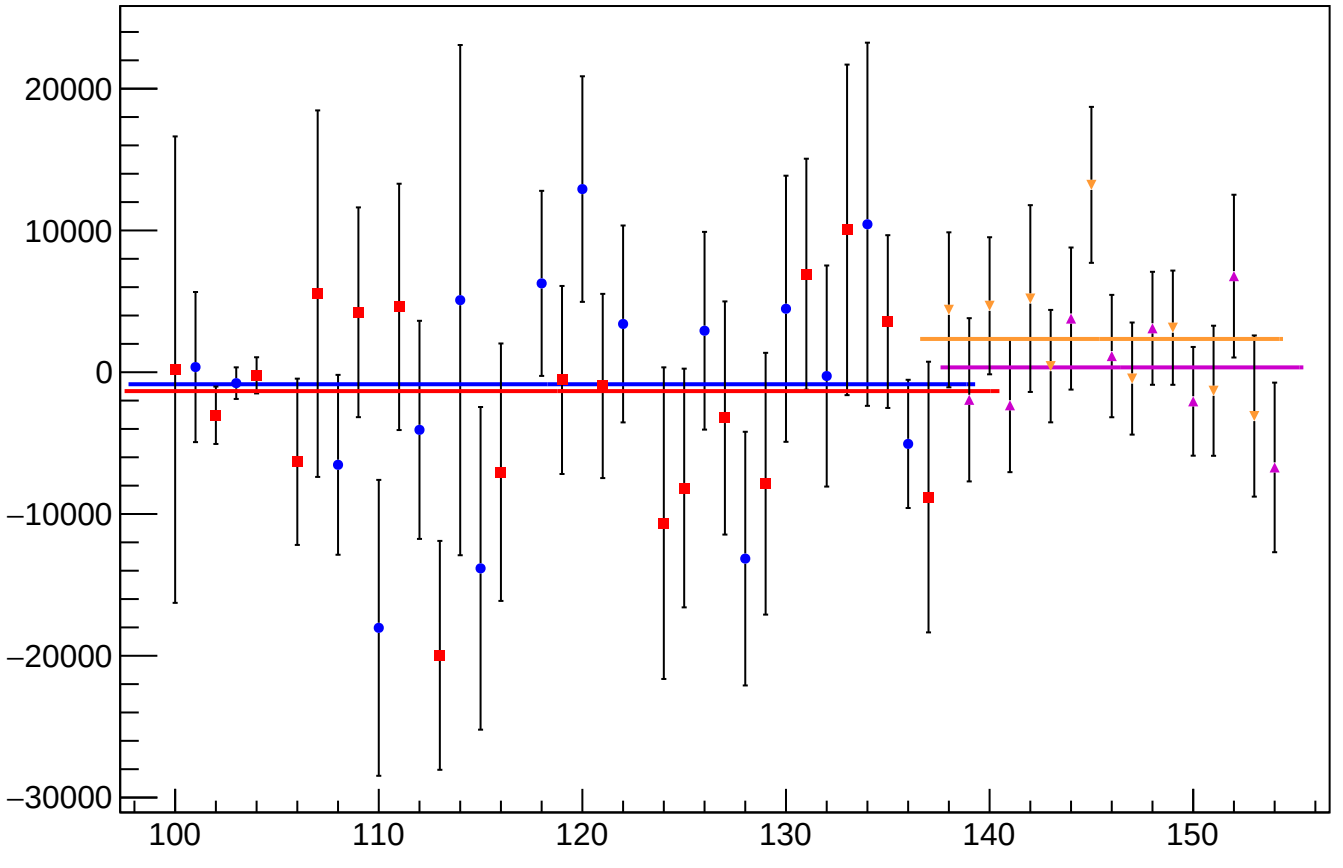
Left: 1747.016+/-0.330 χ^2/NDF: 57108.3/16

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1788.920+/-0.337 χ^2/NDF:311139.5/23

Out: 1824.085+/-0.342 χ^2/NDF:439527.3/27

All: 1806.203+/-0.240 χ^2/NDF: 756027.9/51



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: 341.525+/-1671.674 χ^2/NDF:4.5/7

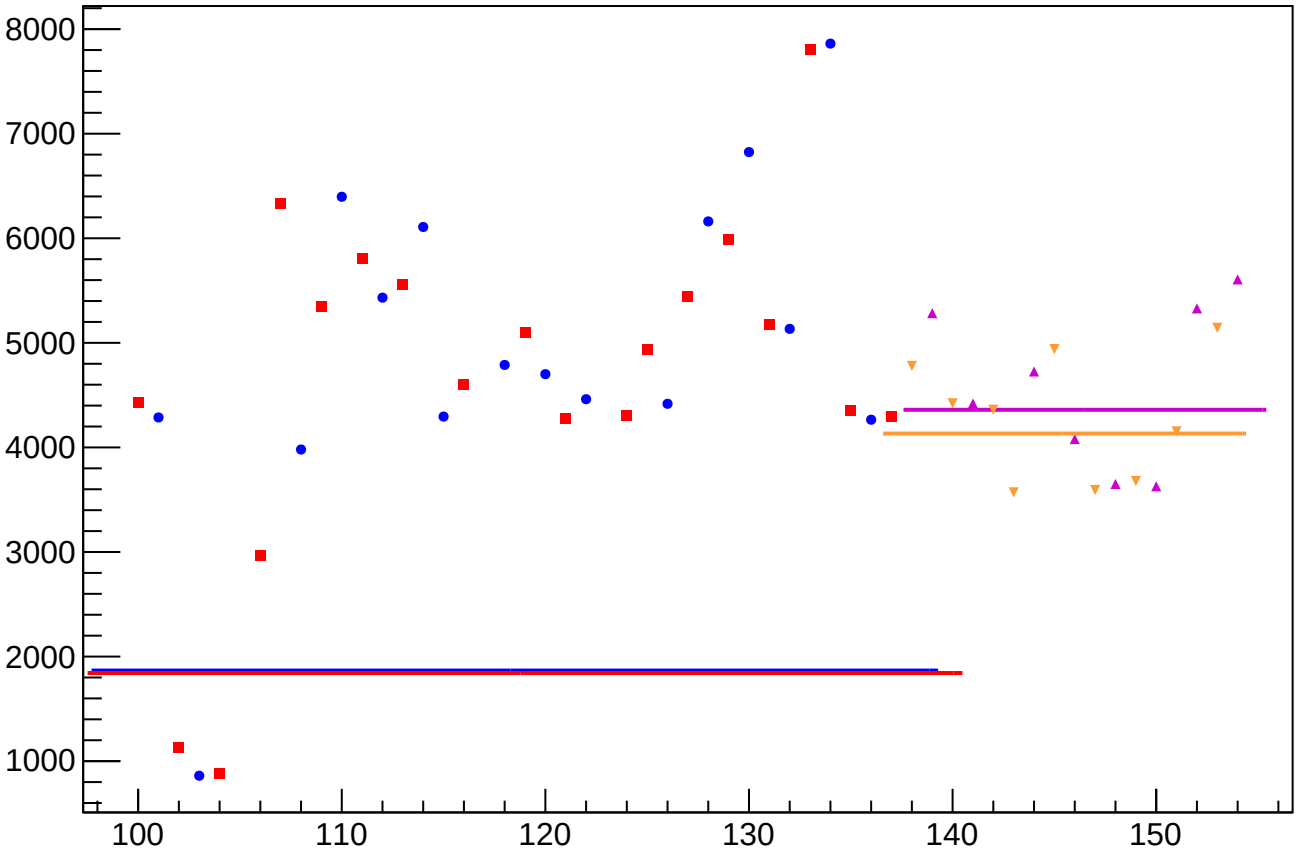
Left: 1400.382+/-1148.711 χ^2/NDF: 12.0/16

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -551.297+/-834.358 χ^2/NDF:18.7/23

Out: -358.302+/-813.162 χ^2/NDF:25.2/27

All: -452.317+/-582.342 χ^2/NDF: 44.0/51



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: 4359.973+/-1.182 χ^2/NDF:351061.5/7

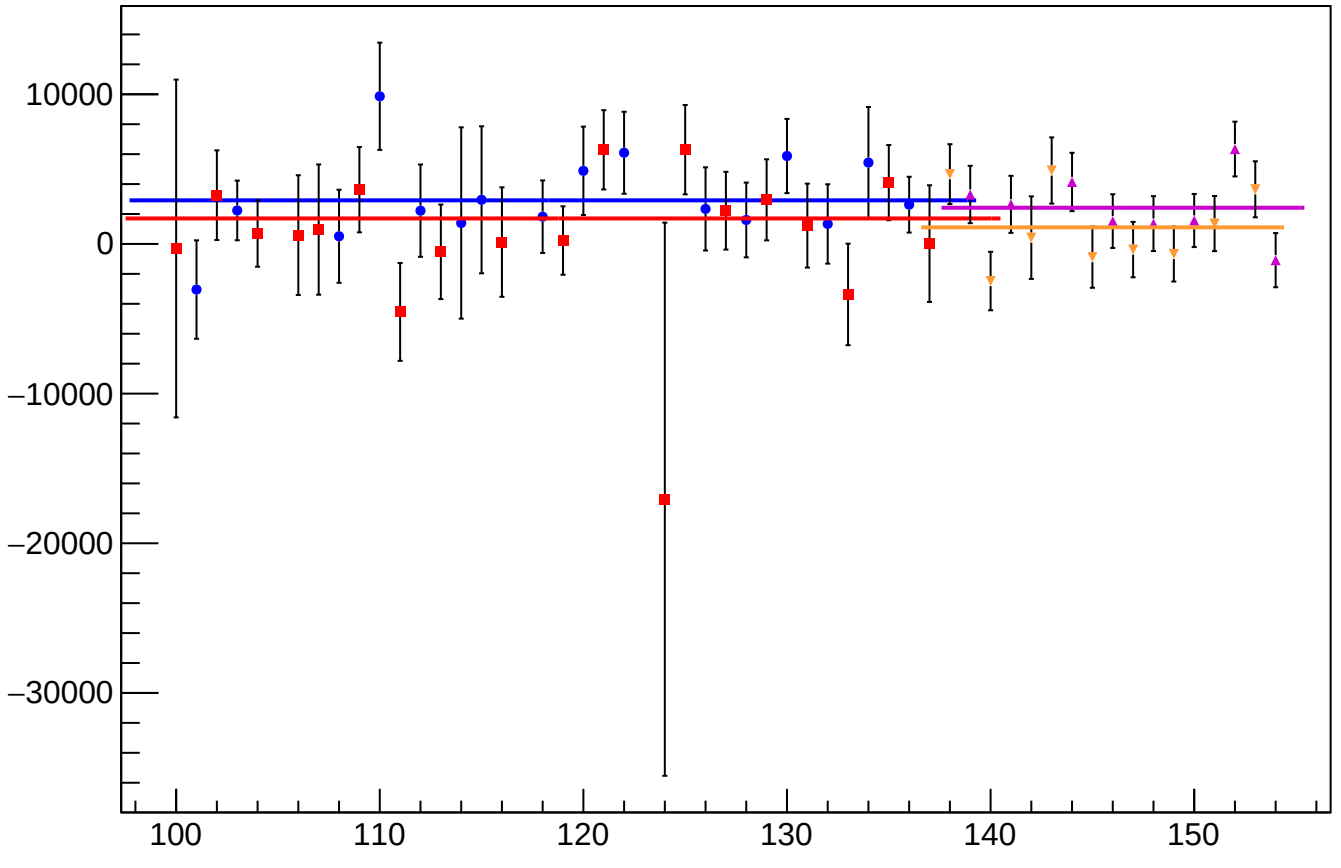
Left: 4239.985+/-0.812 χ^2/NDF: 617559.9/16

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2487.478+/-0.590 χ^2/NDF:10543039.5/23

Out: 2448.501+/-0.575 χ^2/NDF:9790417.3/27

All: 2467.488+/-0.412 χ^2/NDF: 20335695.1/5



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: 2418.288+/-653.647 χ^2/NDF:10.2/7

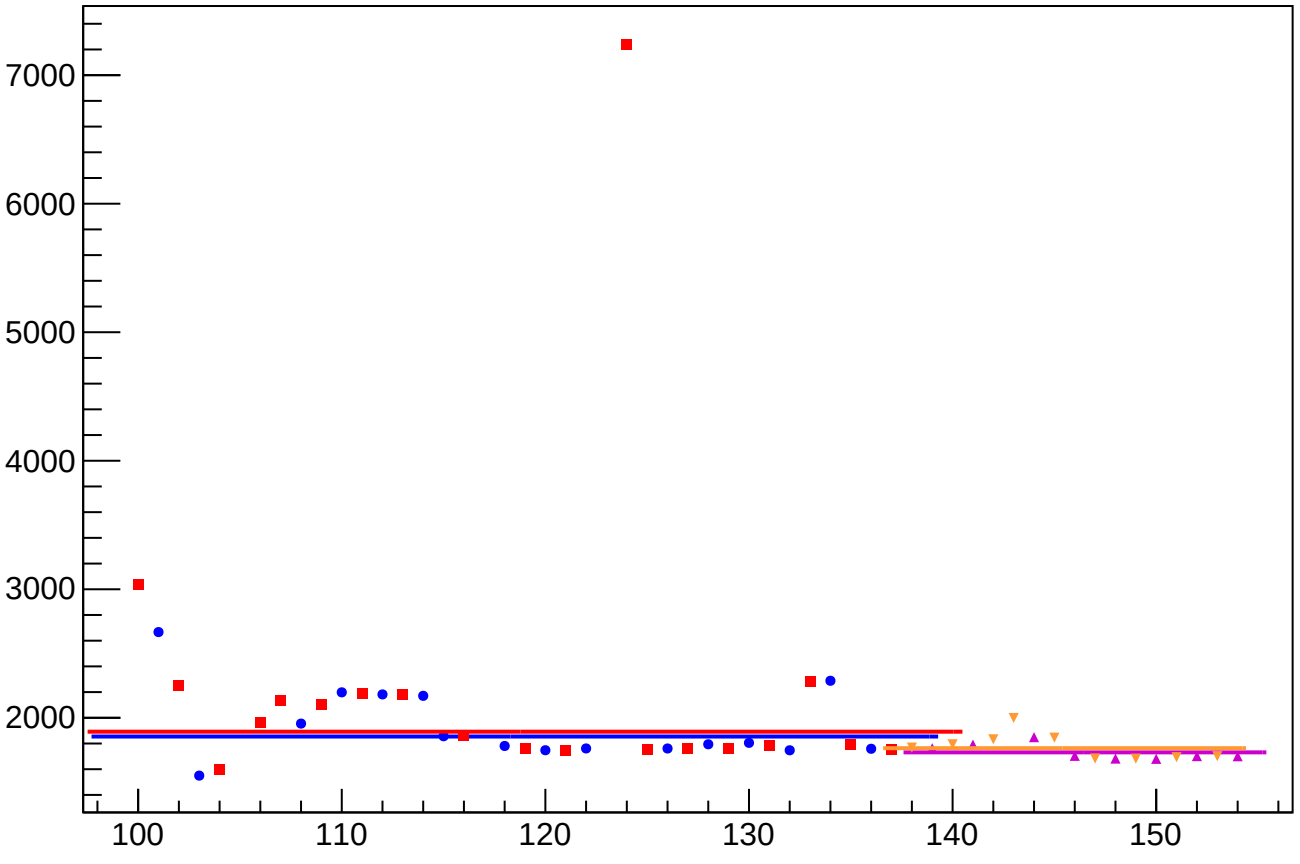
Left: 1775.604+/-466.582 χ^2/NDF: 26.1/16

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2650.510+/-476.167 χ^2/NDF:22.9/23

Out: 1388.131+/-484.817 χ^2/NDF:30.1/27

All: 2030.683+/-339.718 χ^2/NDF: 56.5/51



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: 1731.087+/-0.462 χ^2/NDF:14457.4/7

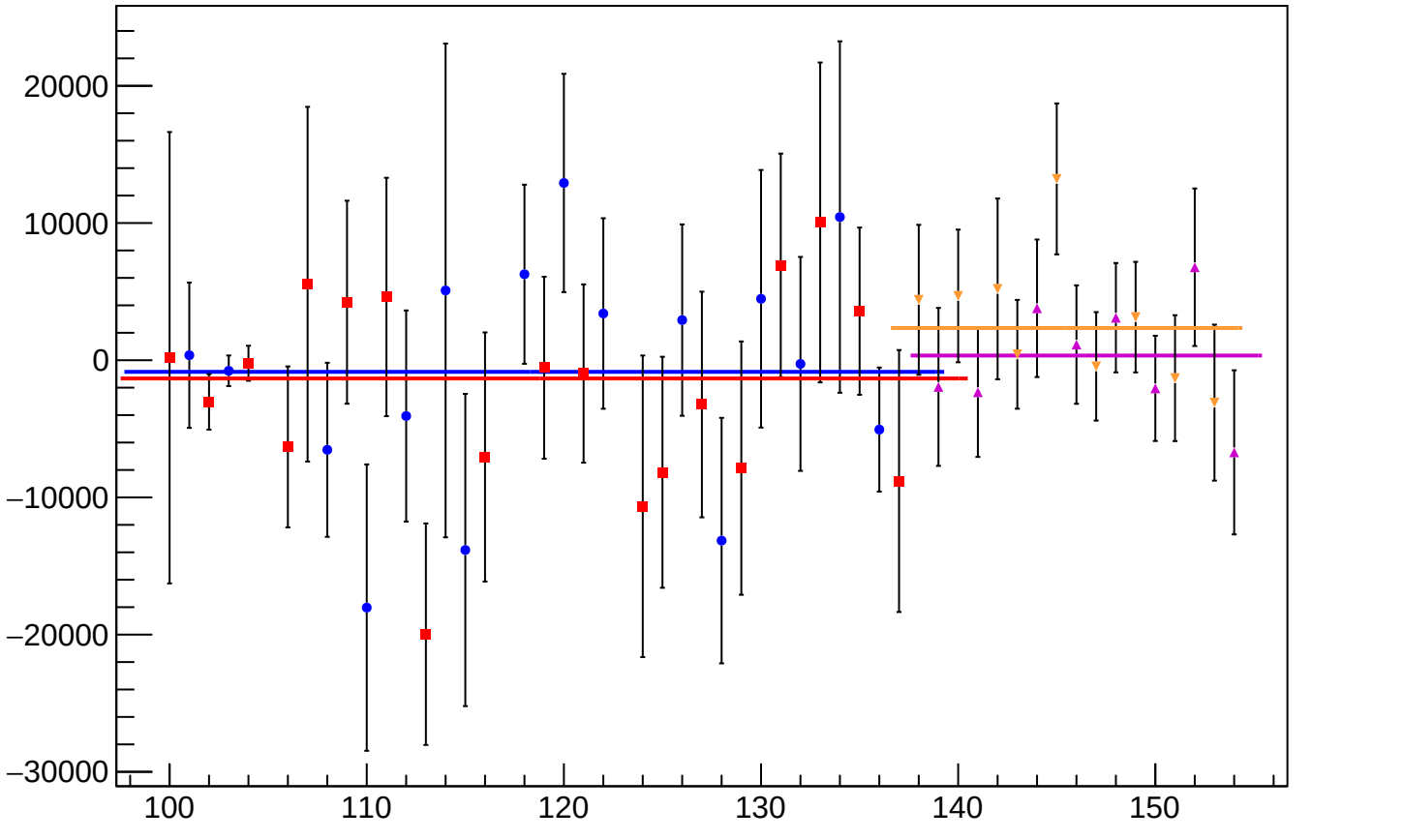
Left: 1747.016+/-0.330 χ^2/NDF: 57108.3/16

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1788.920+/-0.337 χ^2/NDF:311139.5/23

Out: 1824.085+/-0.342 χ^2/NDF:439527.3/27

All: 1806.203+/-0.240 χ^2/NDF: 756027.9/51



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: 341.525+/-1671.674 χ^2/NDF:4.5/7

Left: 1400.382+/-1148.711 χ^2/NDF: 12.0/16

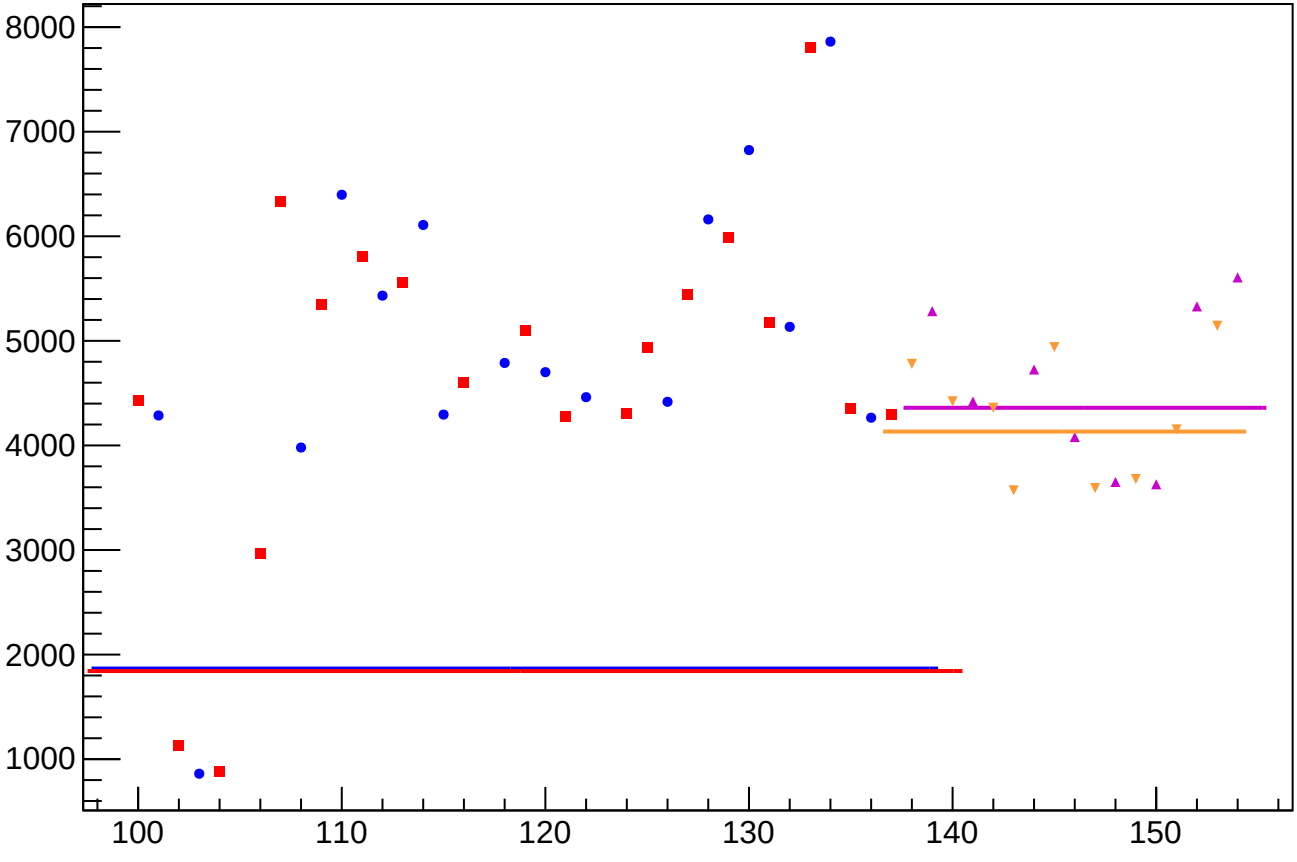
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -551.297+/-834.358 χ^2/NDF:18.7/23

Out: -358.302+/-813.162 χ^2/NDF:25.2/27

All: -452.317+/-582.342 χ^2/NDF: 44.0/51

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 4359.973+/-1.182 χ^2/NDF:351061.5/7

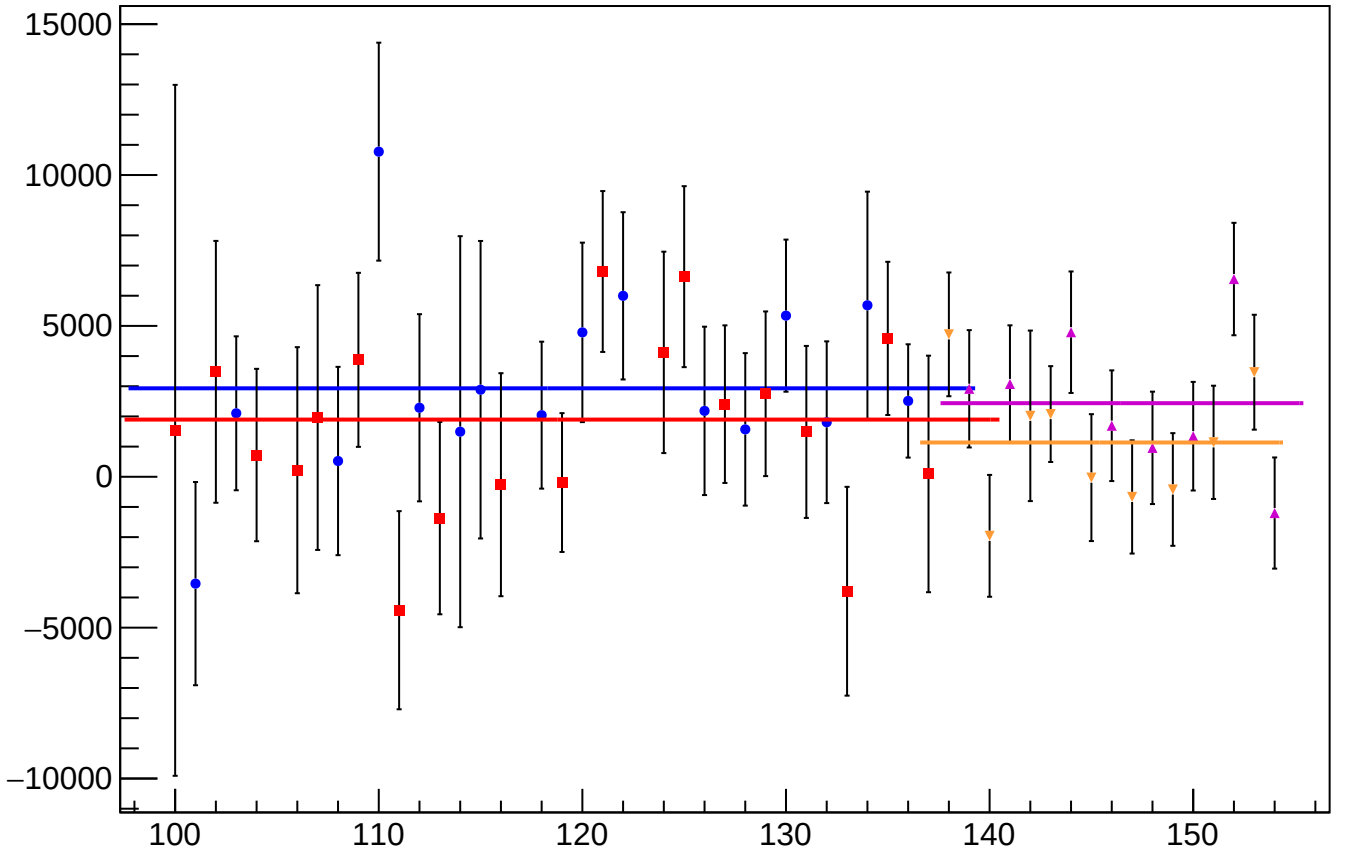
Left: 4239.985+/-0.812 χ^2/NDF: 617559.9/16

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2487.478+/-0.590 χ^2/NDF:10543039.5/23

Out: 2448.501+/-0.575 χ^2/NDF:9790417.3/27

All: 2467.488+/-0.412 χ^2/NDF: 20335695.1/5



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: 2439.355+/-666.168 χ^2/NDF:11.5/7

Left: 1772.448+/-465.481 χ^2/NDF: 22.7/16

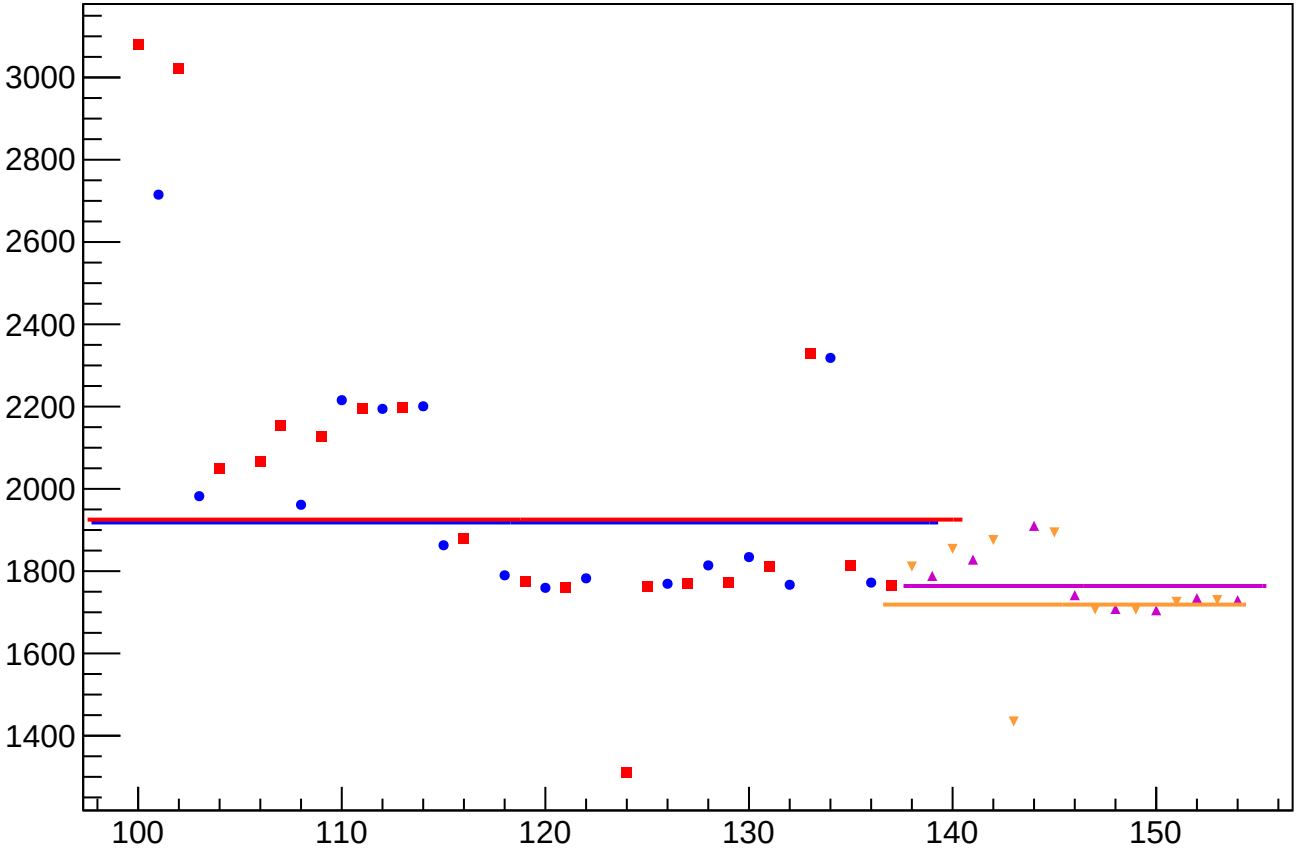
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2667.008+/-488.445 χ^2/NDF:24.7/23

Out: 1476.524+/-483.341 χ^2/NDF:27.3/27

All: 2065.514+/-343.564 χ^2/NDF: 55.0/51

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: 1763.918+/-0.471 χ^2/NDF:18469.8/7

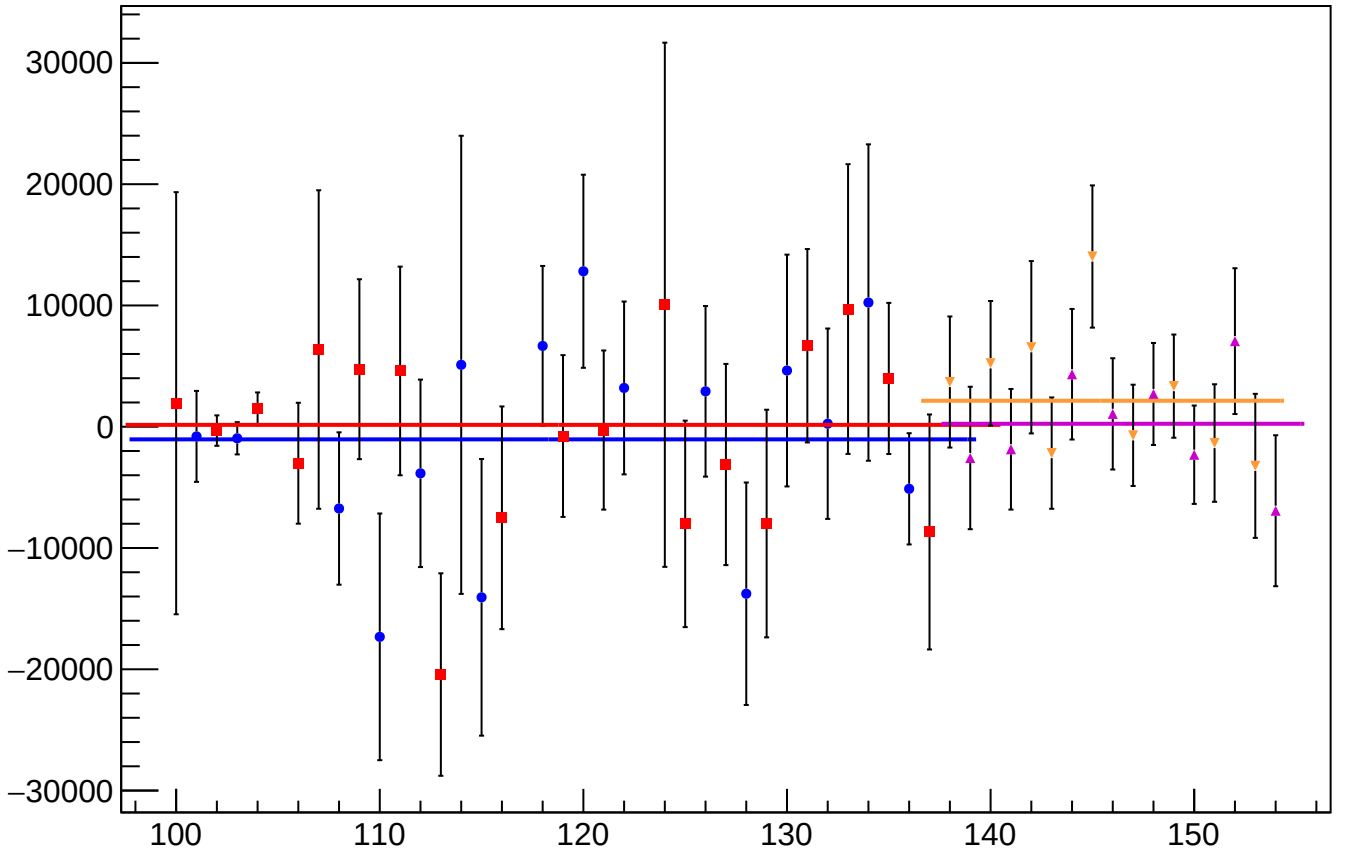
Left: 1740.799+/-0.329 χ^2/NDF: 120616.0/16

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1835.335+/-0.345 χ^2/NDF:283773.0/23

Out: 1811.391+/-0.342 χ^2/NDF:526917.0/27

All: 1823.233+/-0.243 χ^2/NDF: 813119.0/51



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: 244.418+/-1761.684 χ^2/NDF:4.4/7

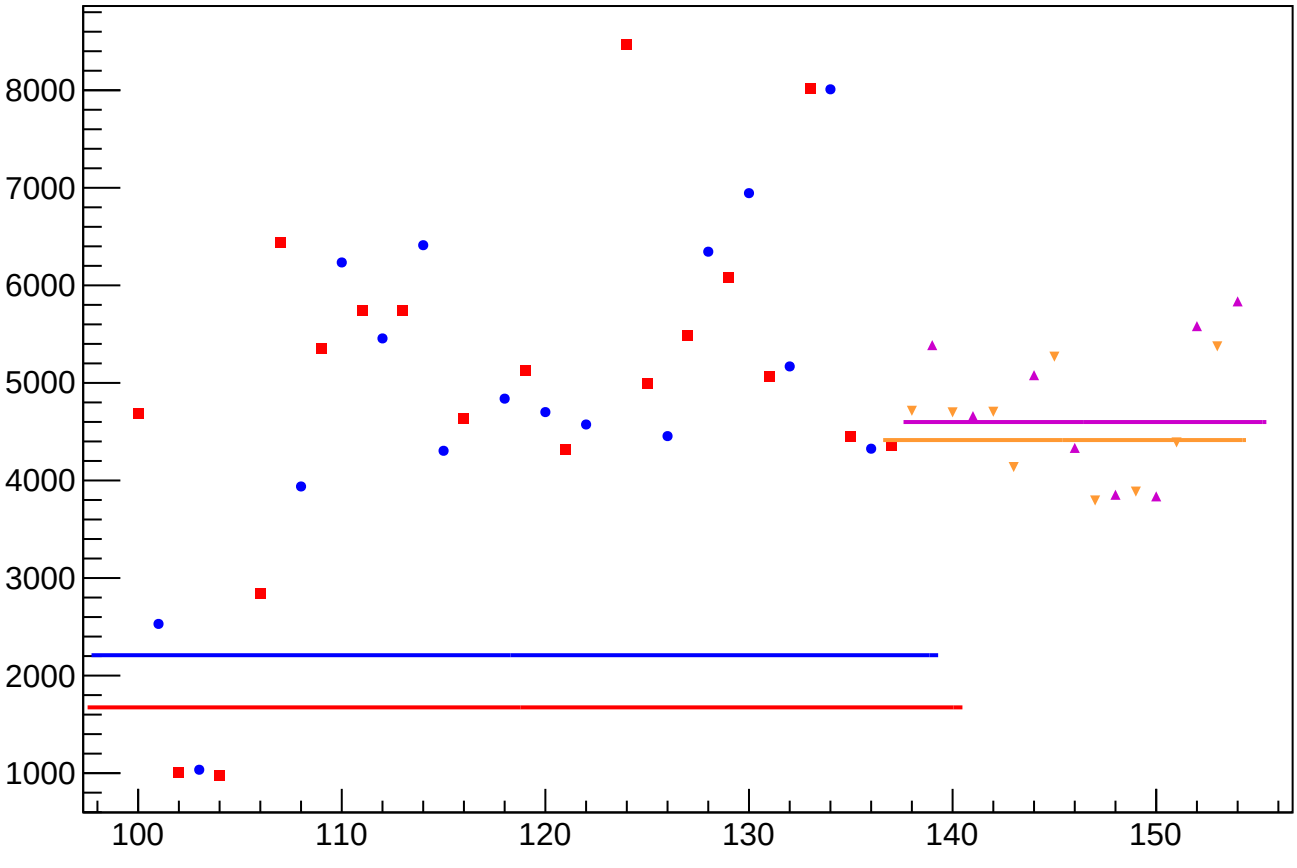
Left: 1236.171+/-1217.890 χ^2/NDF: 12.7/16

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -694.120+/-916.030 χ^2/NDF:18.6/23

Out: 546.331+/-748.694 χ^2/NDF:22.6/27

All: 49.547+/-579.701 χ^2/NDF: 42.3/51



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: 4598.983+/-1.246 χ^2/NDF:324767.6/7

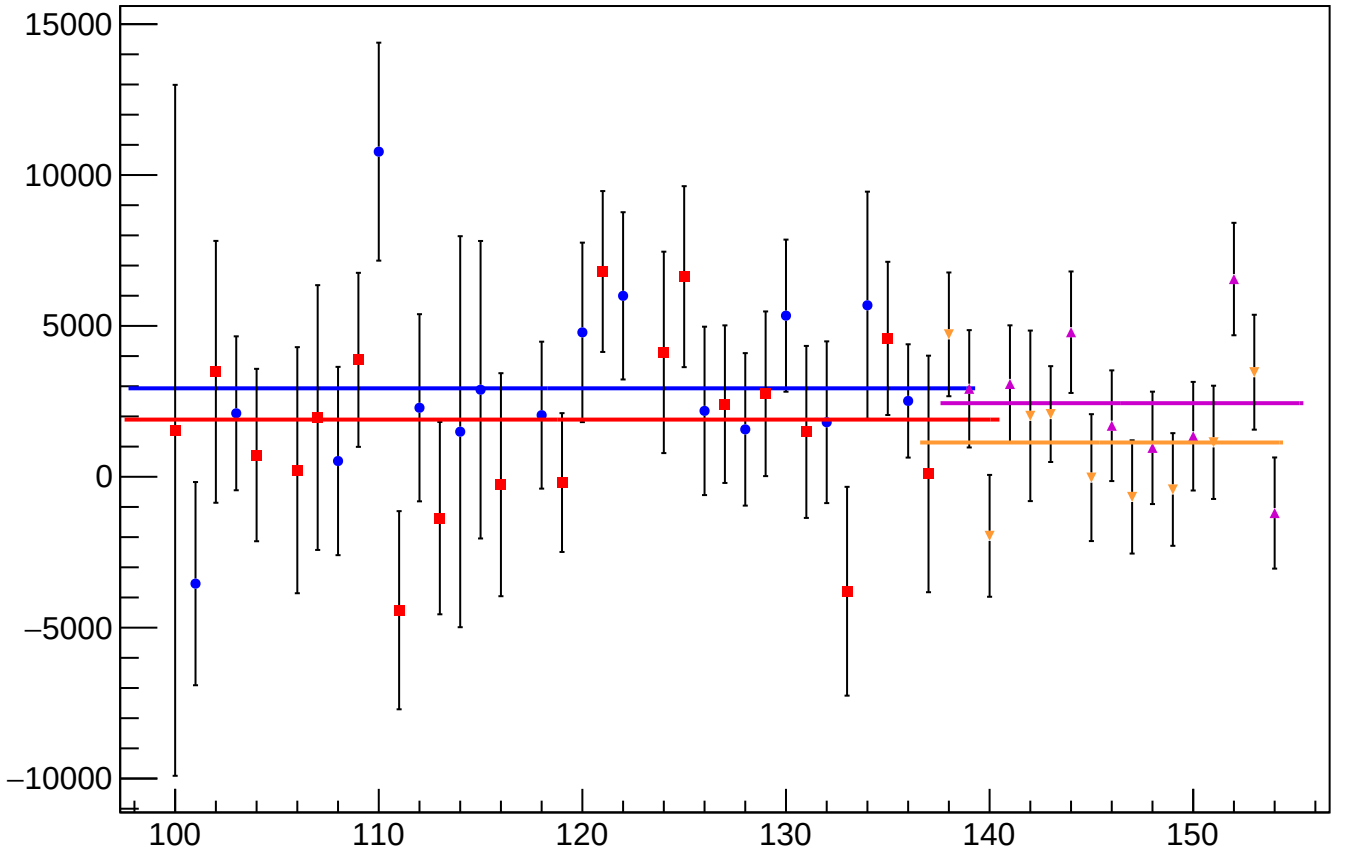
Left: 4502.537+/-0.861 χ^2/NDF: 528810.1/16

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2855.123+/-0.648 χ^2/NDF:8509721.1/23

Out: 2214.777+/-0.529 χ^2/NDF:11288333.1/27

All: 2471.227+/-0.410 χ^2/NDF: 20383973.8/5



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: 2439.352+/-666.168 χ^2/NDF:11.5/7

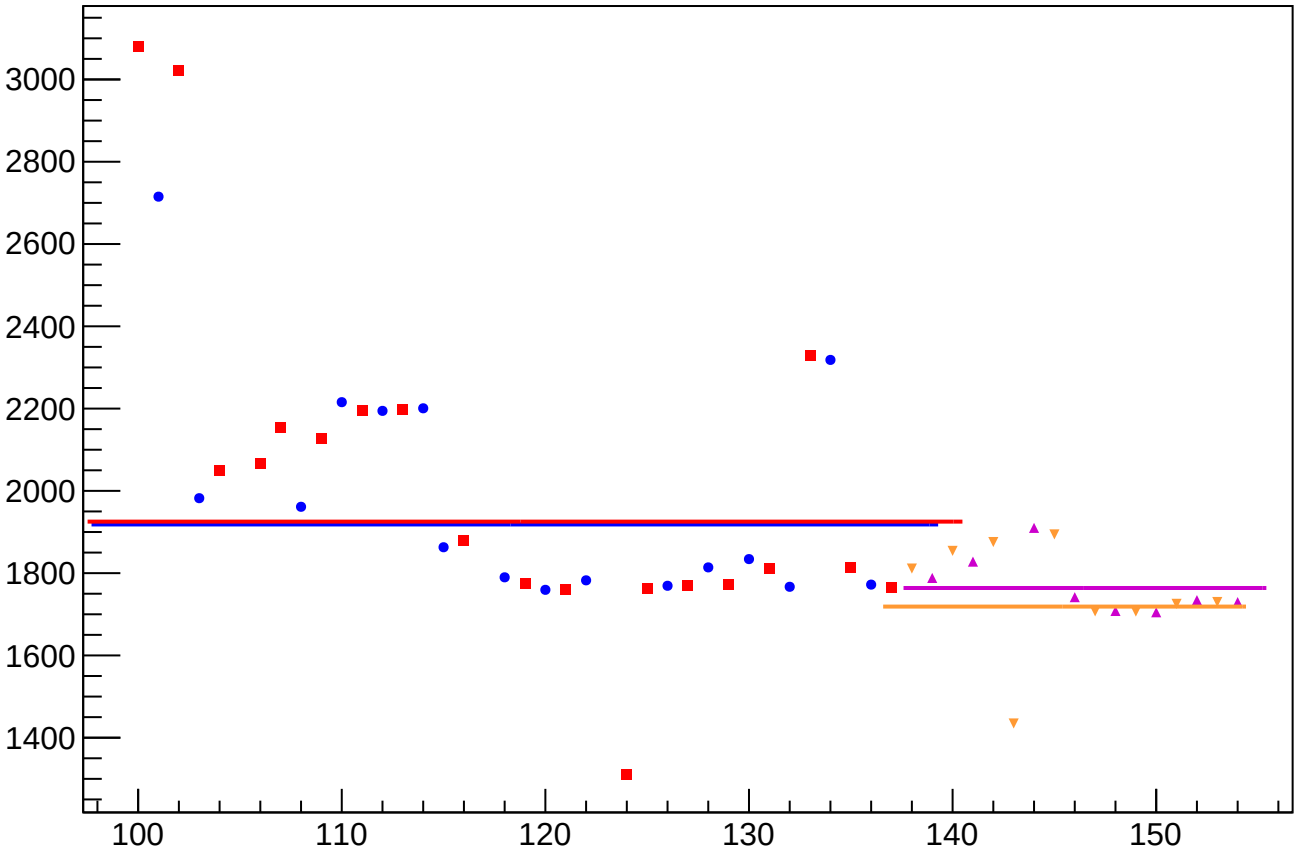
Left: 1772.445+/-465.481 χ^2/NDF: 22.7/16

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2667.008+/-488.445 χ^2/NDF:24.7/23

Out: 1476.525+/-483.341 χ^2/NDF:27.3/27

All: 2065.514+/-343.564 χ^2/NDF: 55.0/51



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: 1763.919+/-0.471 χ^2/NDF:18469.8/7

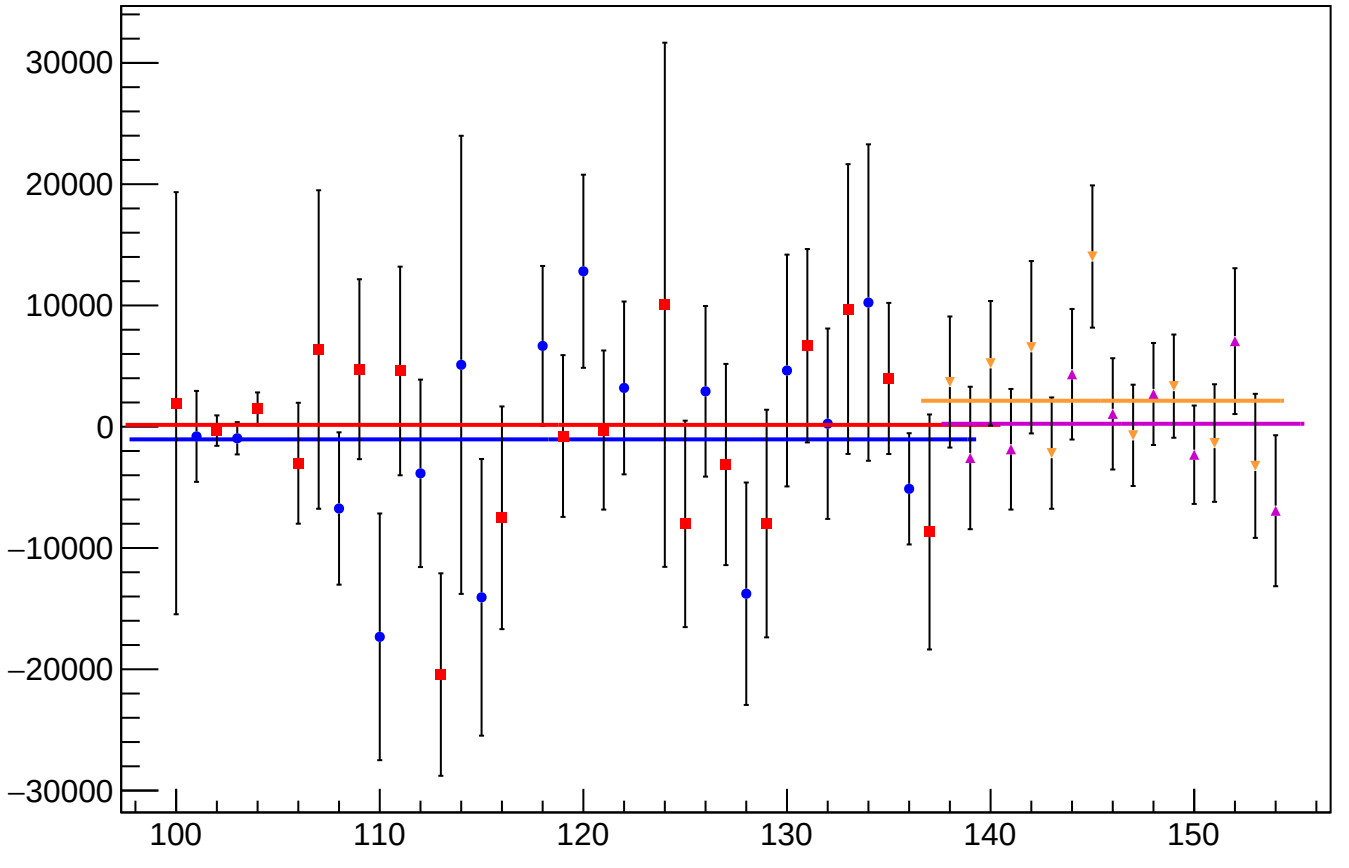
Left: 1740.800+/-0.329 χ^2/NDF: 120615.0/16

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1835.335+/-0.345 χ^2/NDF:283772.2/23

Out: 1811.392+/-0.342 χ^2/NDF:526913.7/27

All: 1823.233+/-0.243 χ^2/NDF: 813114.8/51



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: 244.415+/-1761.686 χ^2/NDF:4.4/7

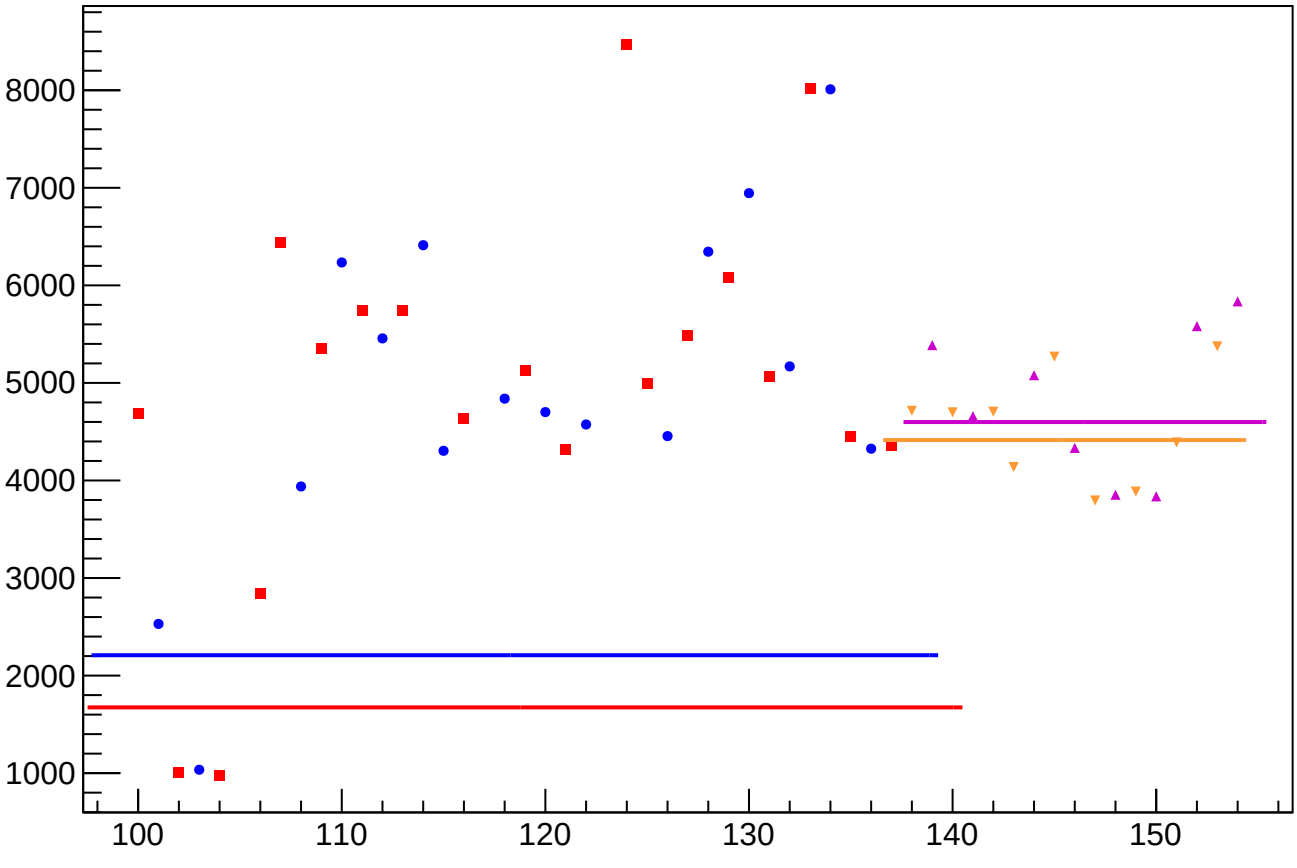
Left: 1236.169+/-1217.892 χ^2/NDF: 12.7/16

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -694.120+/-916.030 χ^2/NDF:18.6/23

Out: 546.325+/-748.694 χ^2/NDF:22.6/27

All: 49.543+/-579.700 χ^2/NDF: 42.3/51



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: 4598.990+/-1.246 χ^2/NDF:324765.6/7

Left: 4502.544+/-0.861 χ^2/NDF: 528807.1/16

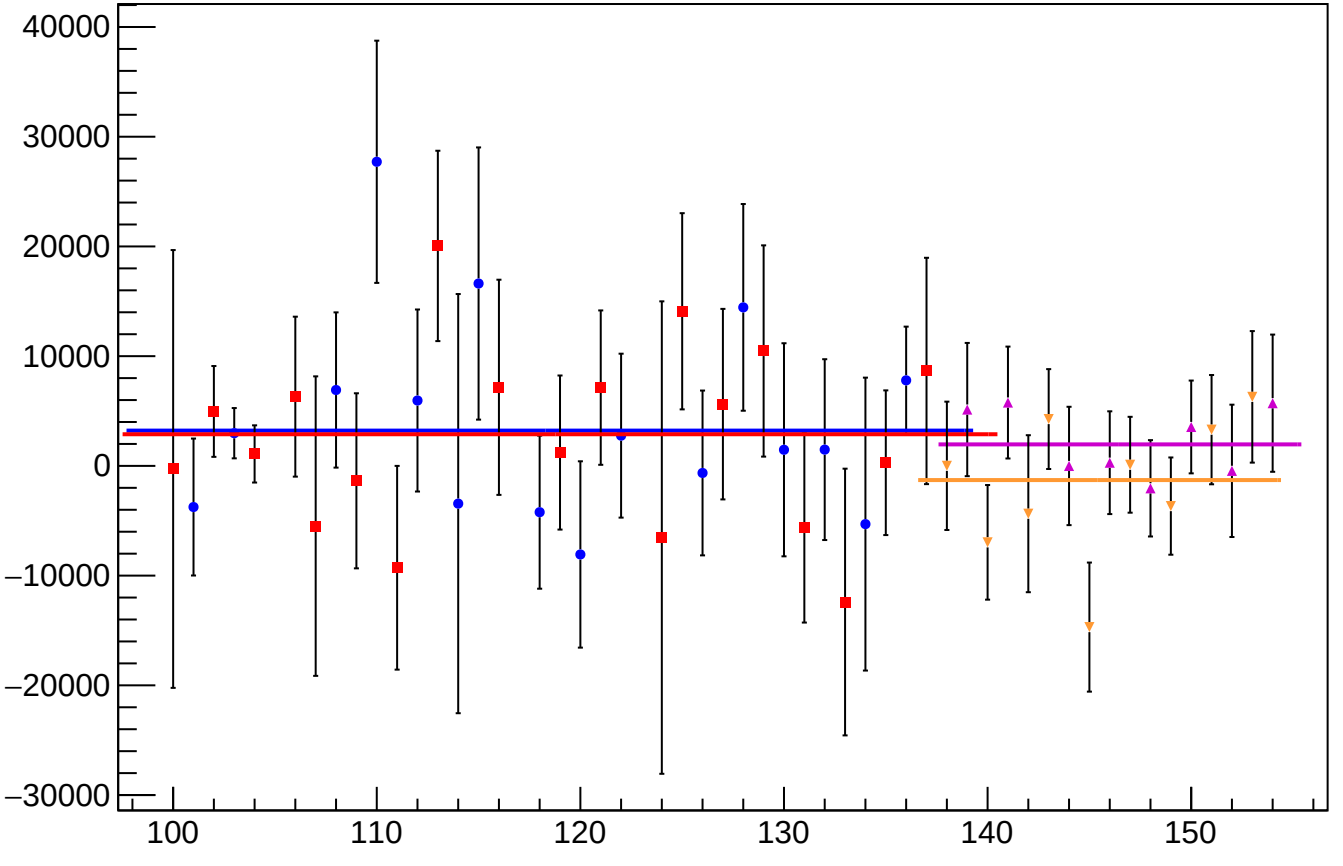
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2855.122+/-0.648 χ^2/NDF:8509723.9/23

Out: 2214.777+/-0.529 χ^2/NDF:11288336.3/27

All: 2471.227+/-0.410 χ^2/NDF: 20383979.8/5

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: 1959.385+/-1806.455 χ^2/NDF:2.6/7

Left: 263.185+/-1249.484 χ^2/NDF: 15.2/16

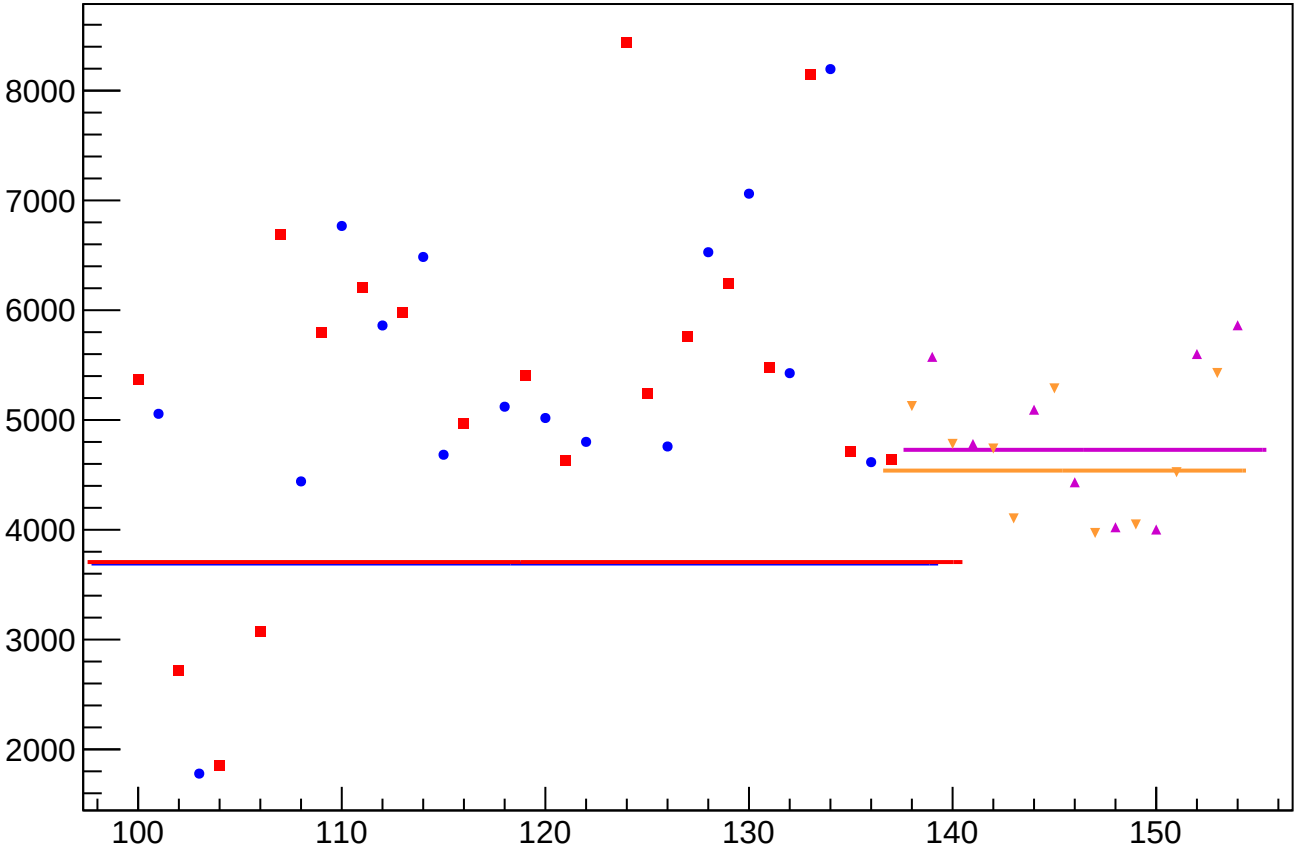
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2687.234+/-1171.615 χ^2/NDF:16.7/23

Out: 1021.161+/-1155.328 χ^2/NDF:27.6/27

All: 1842.537+/-822.638 χ^2/NDF: 45.3/51

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: 4728.283+/-1.277 χ^2/NDF:274529.4/7

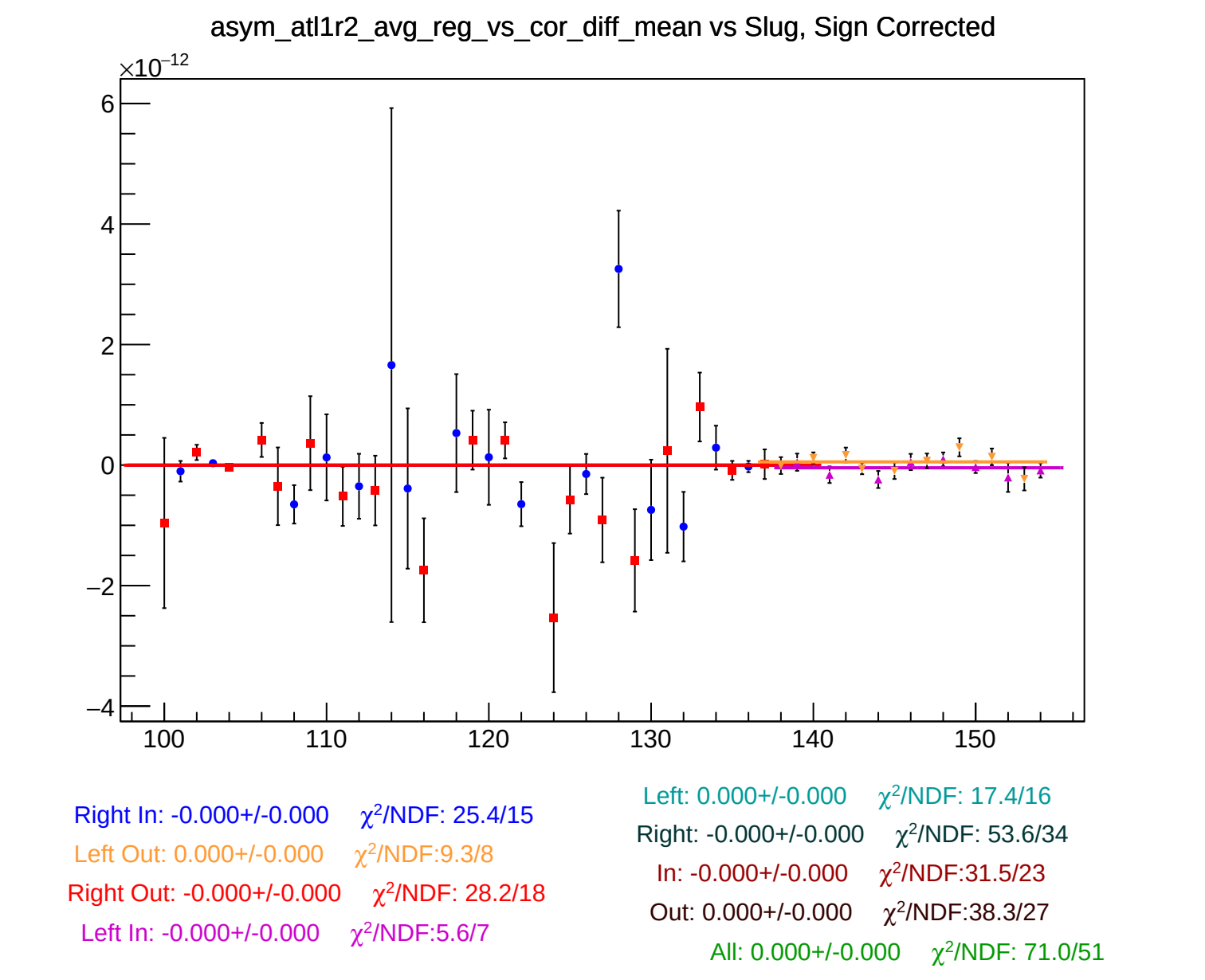
Left: 4629.689+/-0.884 χ^2/NDF: 465142.9/16

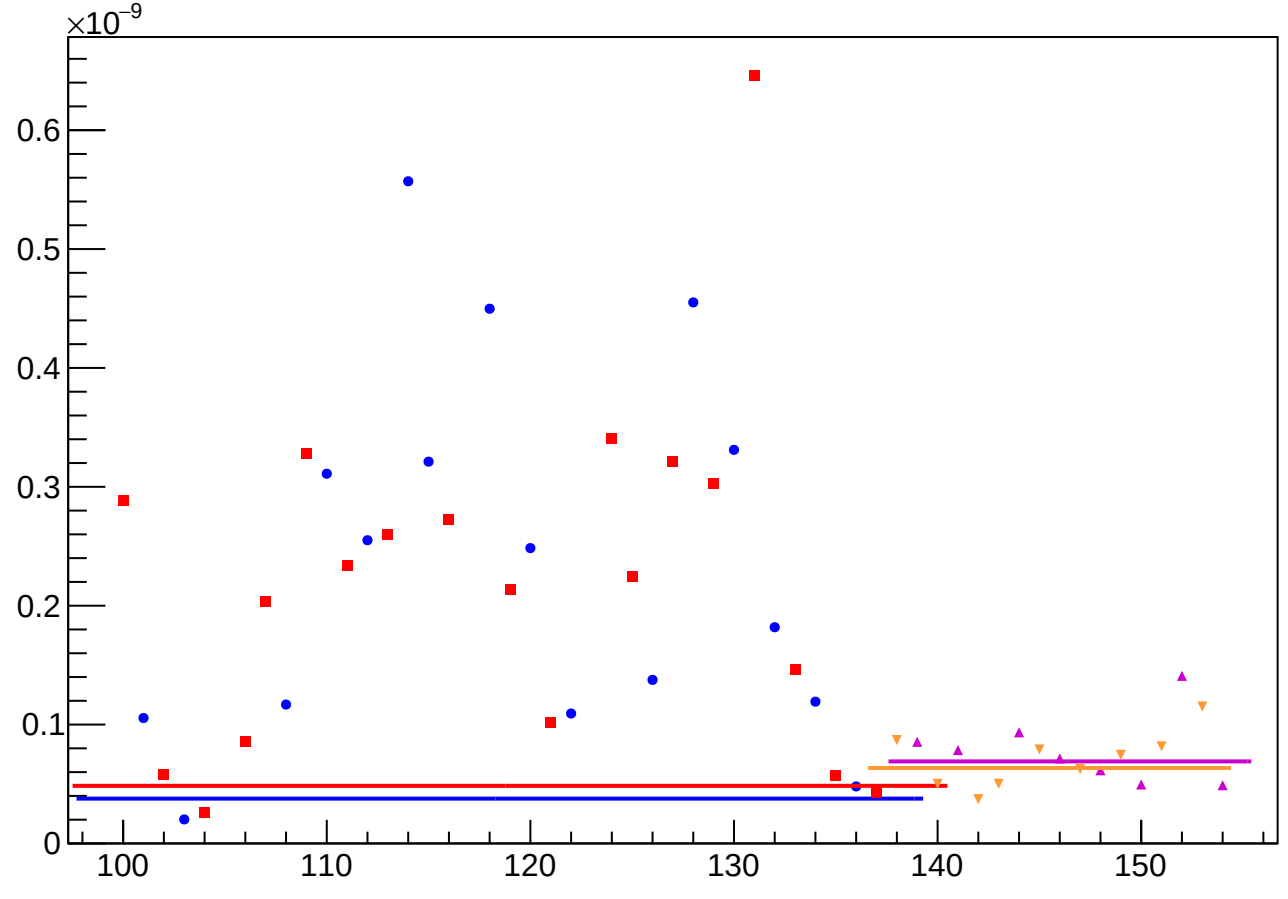
Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4128.380+/-0.828 χ^2/NDF:3540897.3/23

Out: 4073.497+/-0.812 χ^2/NDF:3123009.6/27

All: 4100.401+/-0.580 χ^2/NDF: 6666144.2/51


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 25.4/15
Left Out: 0.000+/-0.000 χ²/NDF:9.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 28.2/18
Left In: -0.000+/-0.000 χ²/NDF:5.6/7
Left: 0.000+/-0.000 χ²/NDF: 17.4/16
Right: -0.000+/-0.000 χ²/NDF: 53.6/34
In: -0.000+/-0.000 χ²/NDF:31.5/23
Out: 0.000+/-0.000 χ²/NDF:38.3/27
All: 0.000+/-0.000 χ²/NDF: 71.0/51



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:414719.7/7

Left: 0.000+/-0.000 χ^2/NDF: 876314.2/16

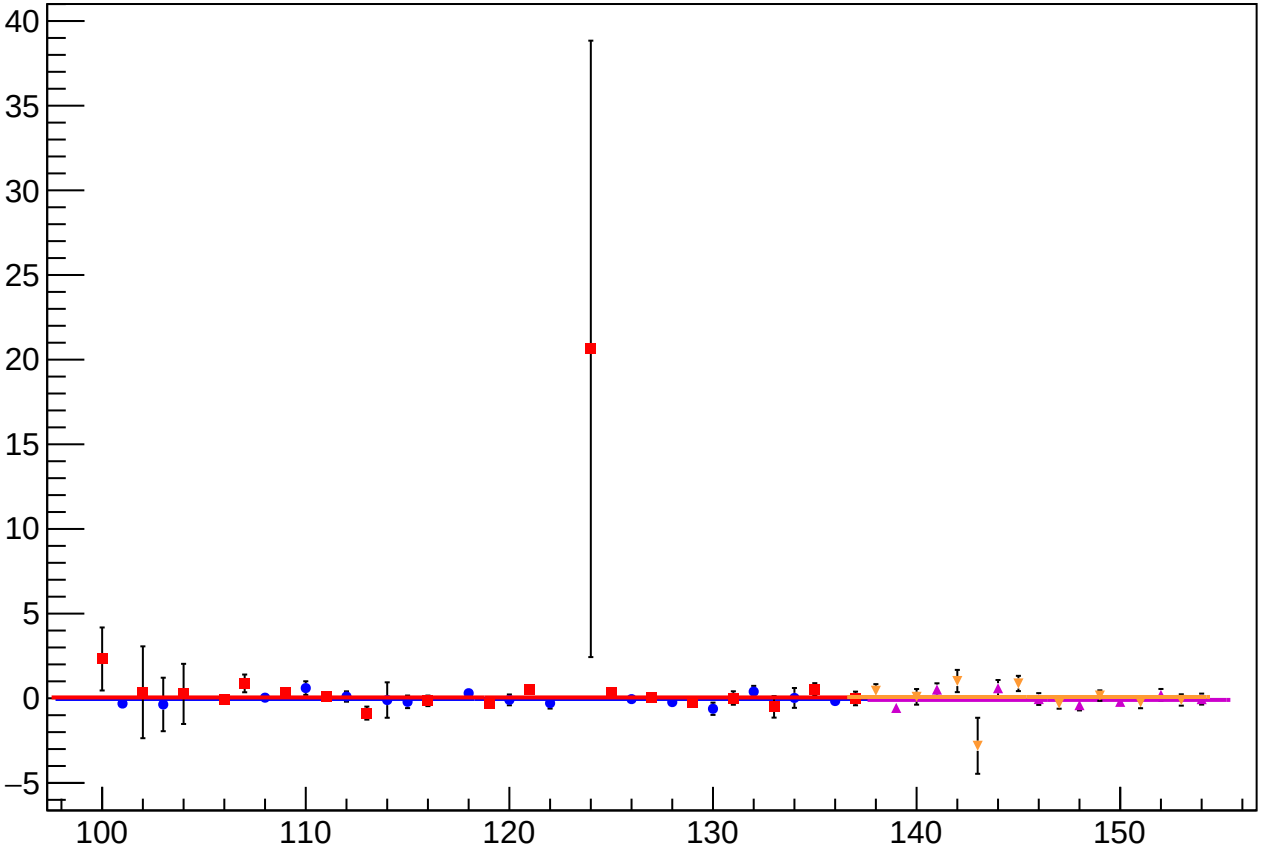
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:4123427.9/23

Out: 0.000+/-0.000 χ^2/NDF:3462155.9/27

All: 0.000+/-0.000 χ^2/NDF: 7641597.7/51

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: -0.097+/-0.117 χ^2/NDF:9.7/7

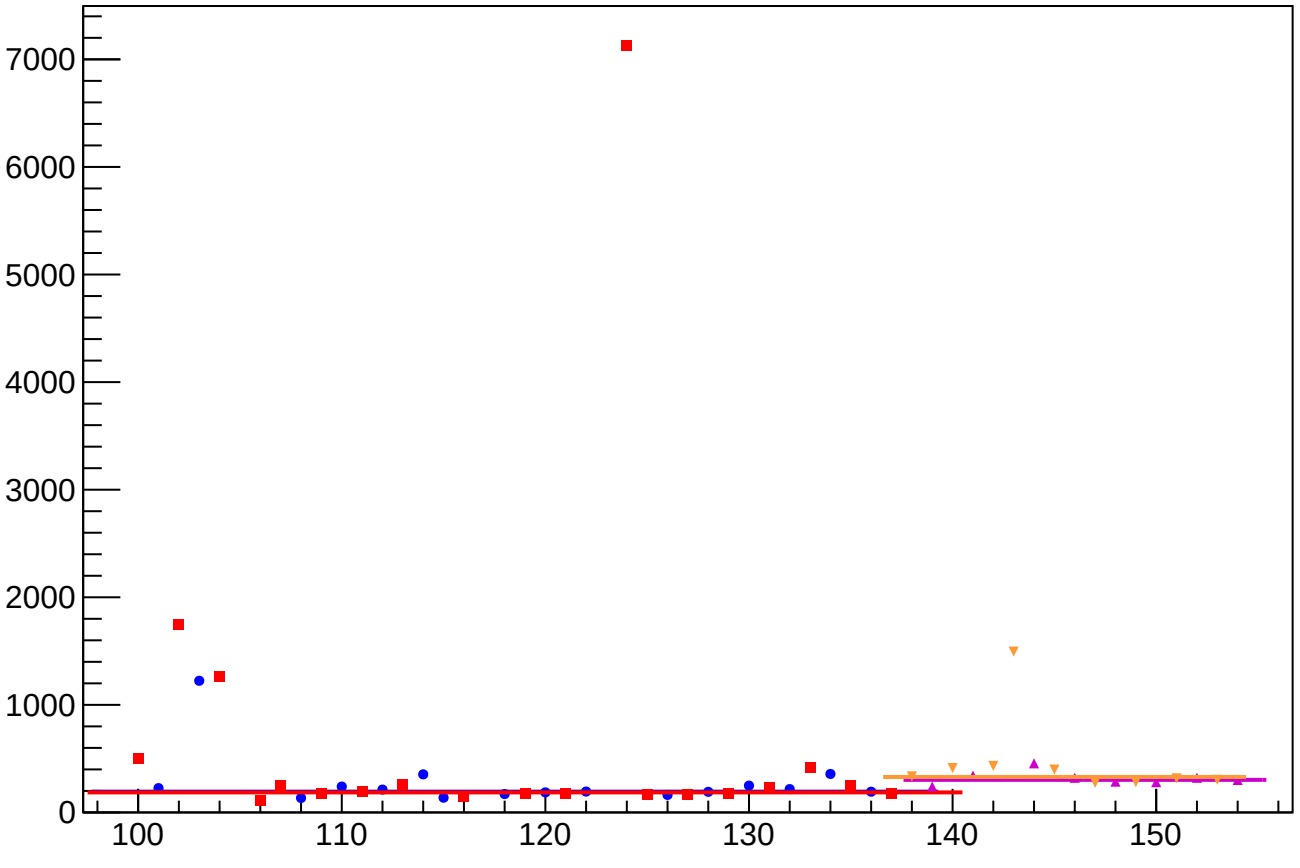
Left: -0.021+/-0.088 χ^2/NDF: 22.5/16

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.065 χ^2/NDF:21.6/23

Out: 0.056+/-0.068 χ^2/NDF:34.9/27

All: -0.004+/-0.047 χ^2/NDF: 58.0/51



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: 303.126+/-0.083 χ^2/NDF:354926.9/7

Left: 314.871+/-0.062 χ^2/NDF: 1678026.3/16

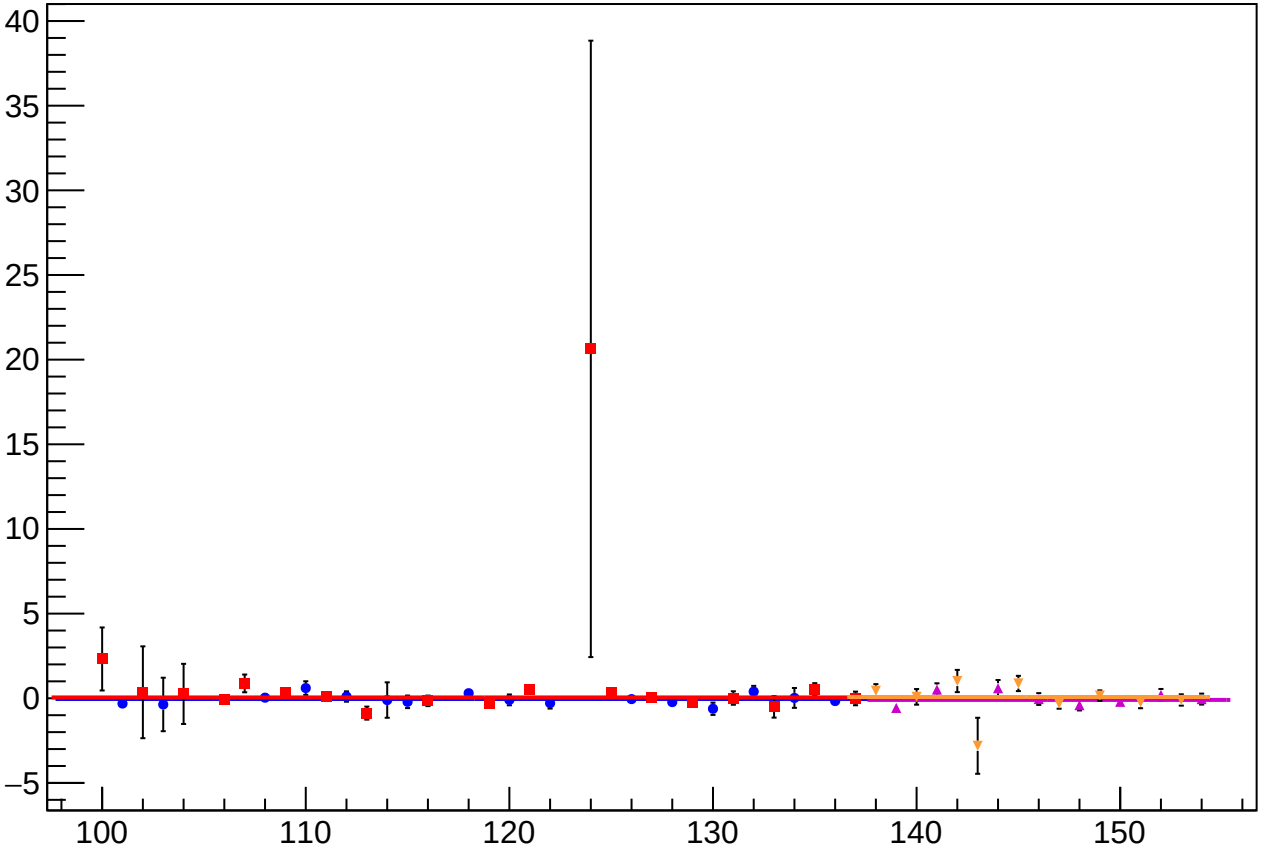
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 226.747+/-0.046 χ^2/NDF:2980959.7/23

Out: 223.948+/-0.048 χ^2/NDF:5492353.4/27

All: 225.408+/-0.033 χ^2/NDF: 8475096.5/51

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: -0.097+/-0.117 χ^2/NDF:9.7/7

Left: -0.021+/-0.088 χ^2/NDF: 22.5/16

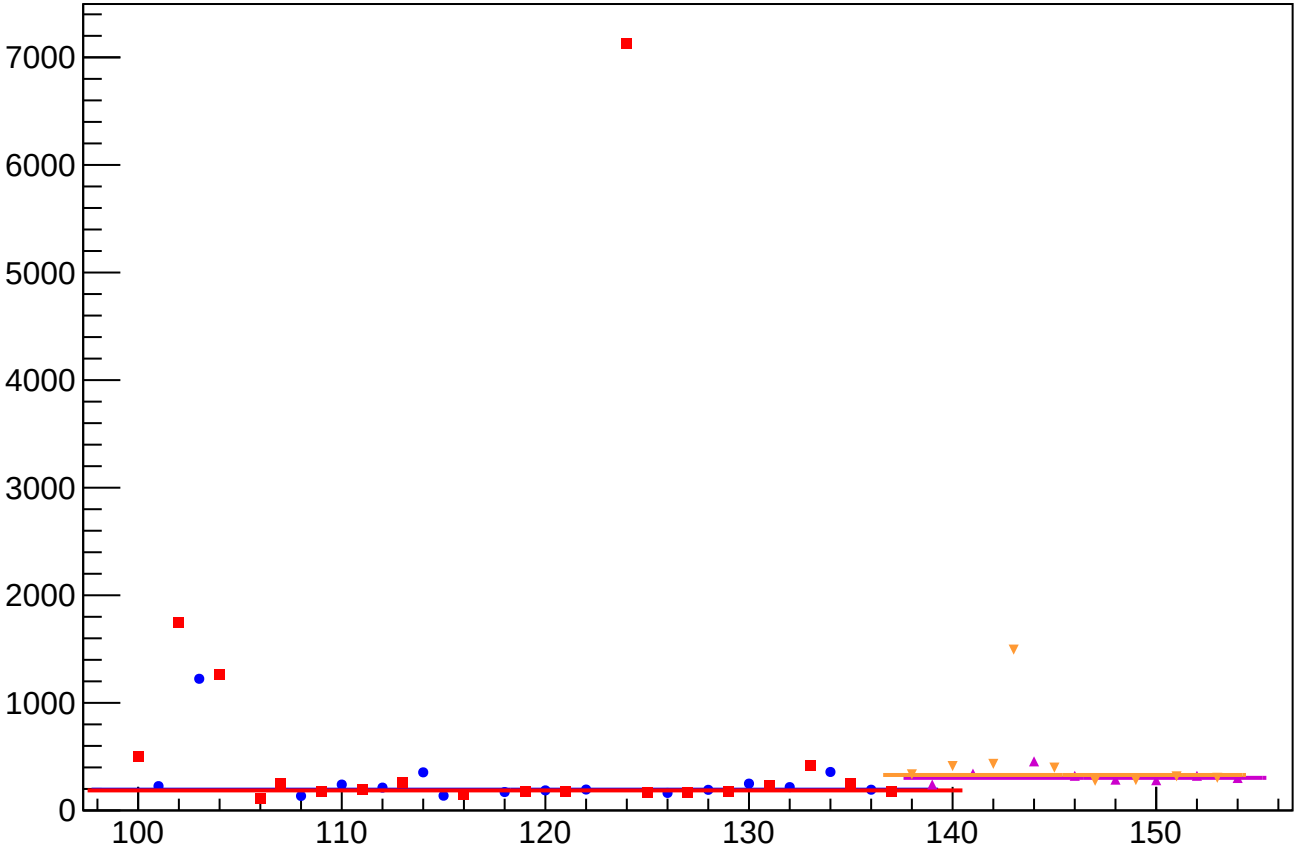
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.065 χ^2/NDF:21.6/23

Out: 0.056+/-0.068 χ^2/NDF:34.9/27

All: -0.004+/-0.047 χ^2/NDF: 58.0/51

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: 303.126+/-0.083 χ^2/NDF:354926.9/7

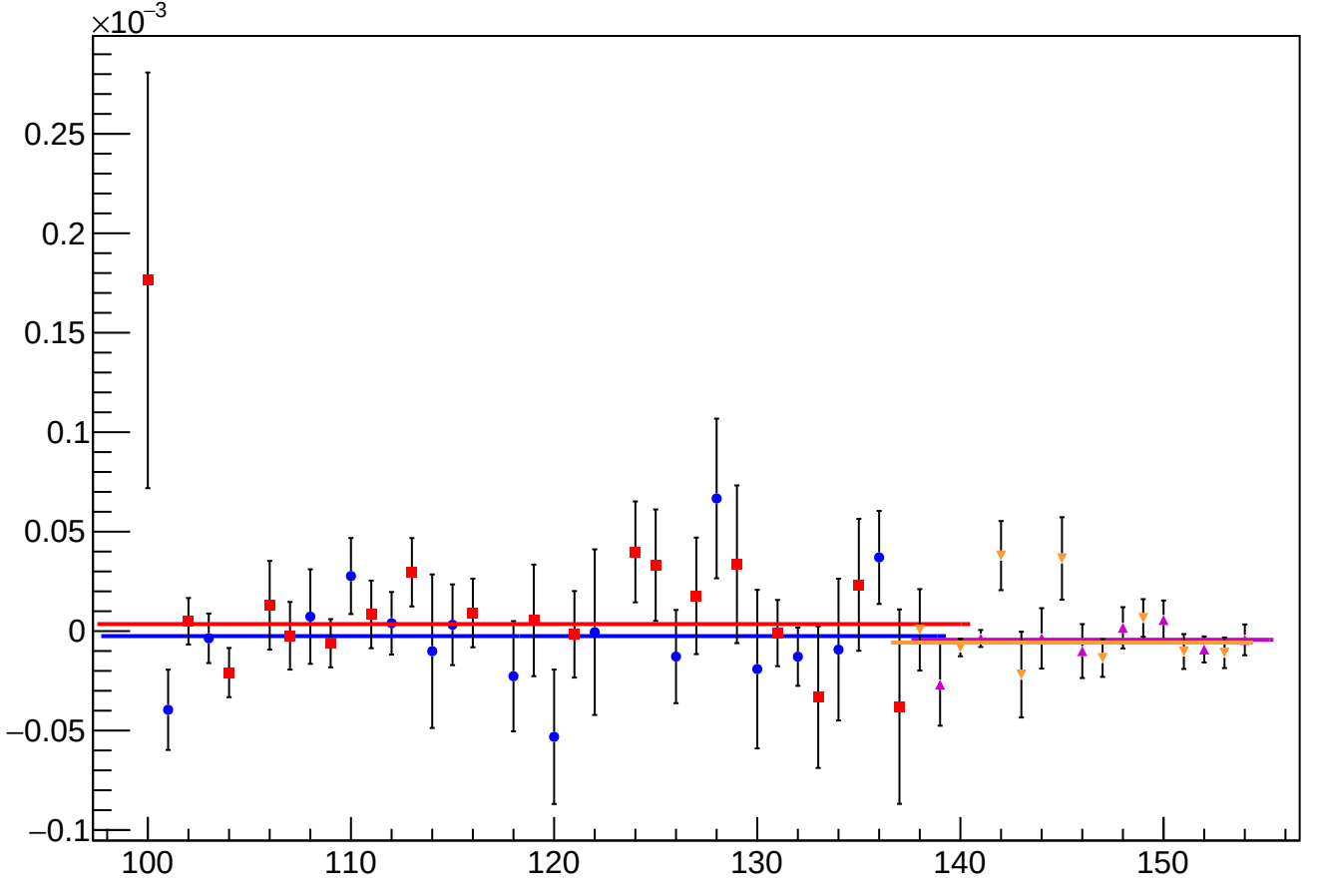
Left: 314.871+/-0.062 χ^2/NDF: 1678026.3/16

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 226.747+/-0.046 χ^2/NDF:2980959.7/23

Out: 223.948+/-0.048 χ^2/NDF:5492353.4/27

All: 225.408+/-0.033 χ^2/NDF: 8475096.5/51



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:3.3/7

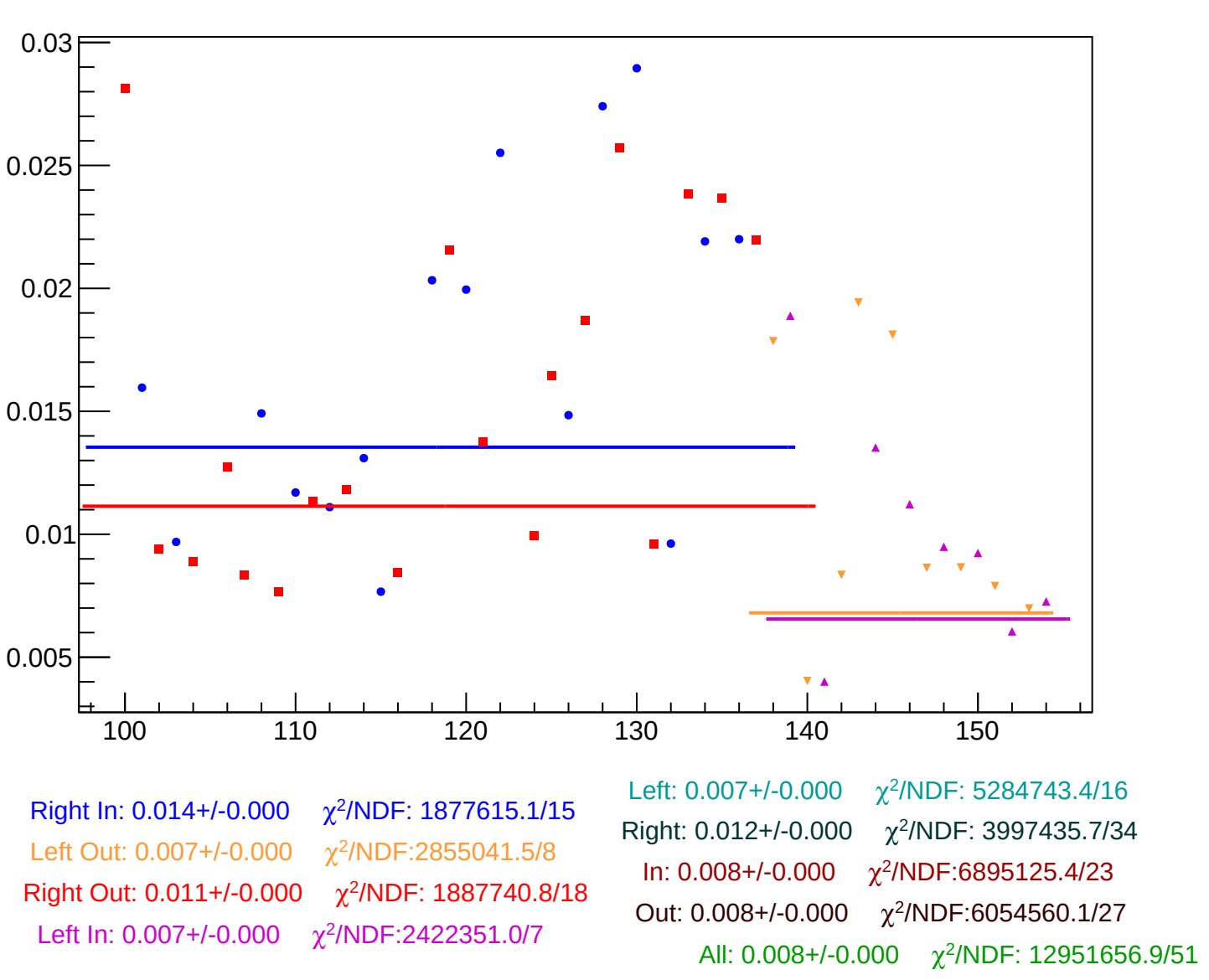
Left: -0.000+/-0.000 χ^2/NDF: 18.0/16

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

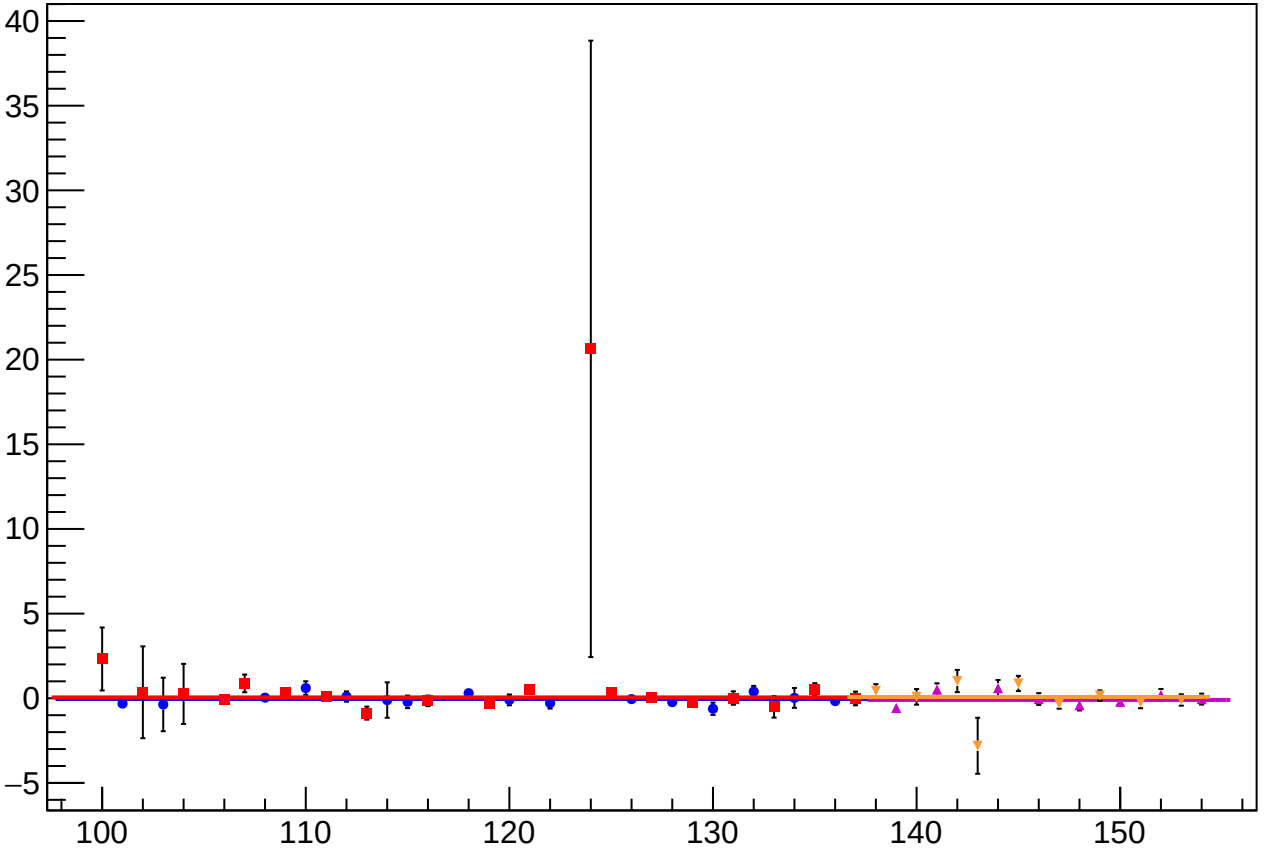
In: -0.000+/-0.000 χ^2/NDF:19.2/23

Out: -0.000+/-0.000 χ^2/NDF:33.9/27

All: -0.000+/-0.000 χ^2/NDF: 53.2/51


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.014+/-0.000 χ²/NDF: 1877615.1/15
Left Out: 0.007+/-0.000 χ²/NDF:2855041.5/8
Right Out: 0.011+/-0.000 χ²/NDF: 1887740.8/18
Left In: 0.007+/-0.000 χ²/NDF:2422351.0/7
Left: 0.007+/-0.000 χ²/NDF: 5284743.4/16
Right: 0.012+/-0.000 χ²/NDF: 3997435.7/34
In: 0.008+/-0.000 χ²/NDF:6895125.4/23
Out: 0.008+/-0.000 χ²/NDF:6054560.1/27
All: 0.008+/-0.000 χ²/NDF: 12951656.9/51

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: -0.097+/-0.117 χ^2/NDF:9.7/7

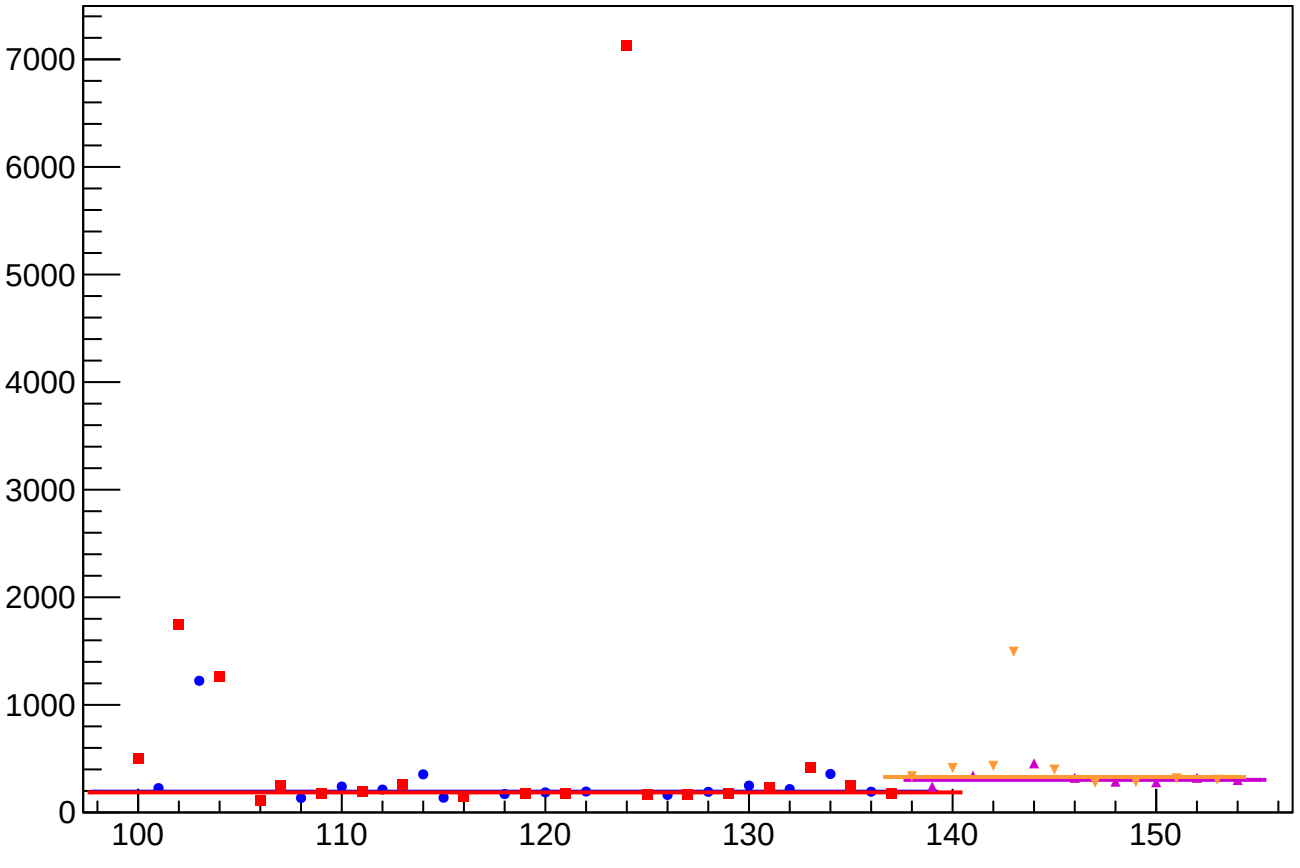
Left: -0.021+/-0.088 χ^2/NDF: 22.5/16

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.065 χ^2/NDF:21.6/23

Out: 0.056+/-0.068 χ^2/NDF:34.9/27

All: -0.004+/-0.047 χ^2/NDF: 58.0/51



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: 303.130+/-0.083 χ^2/NDF:354905.8/7

Left: 314.875+/-0.062 χ^2/NDF: 1677977.4/16

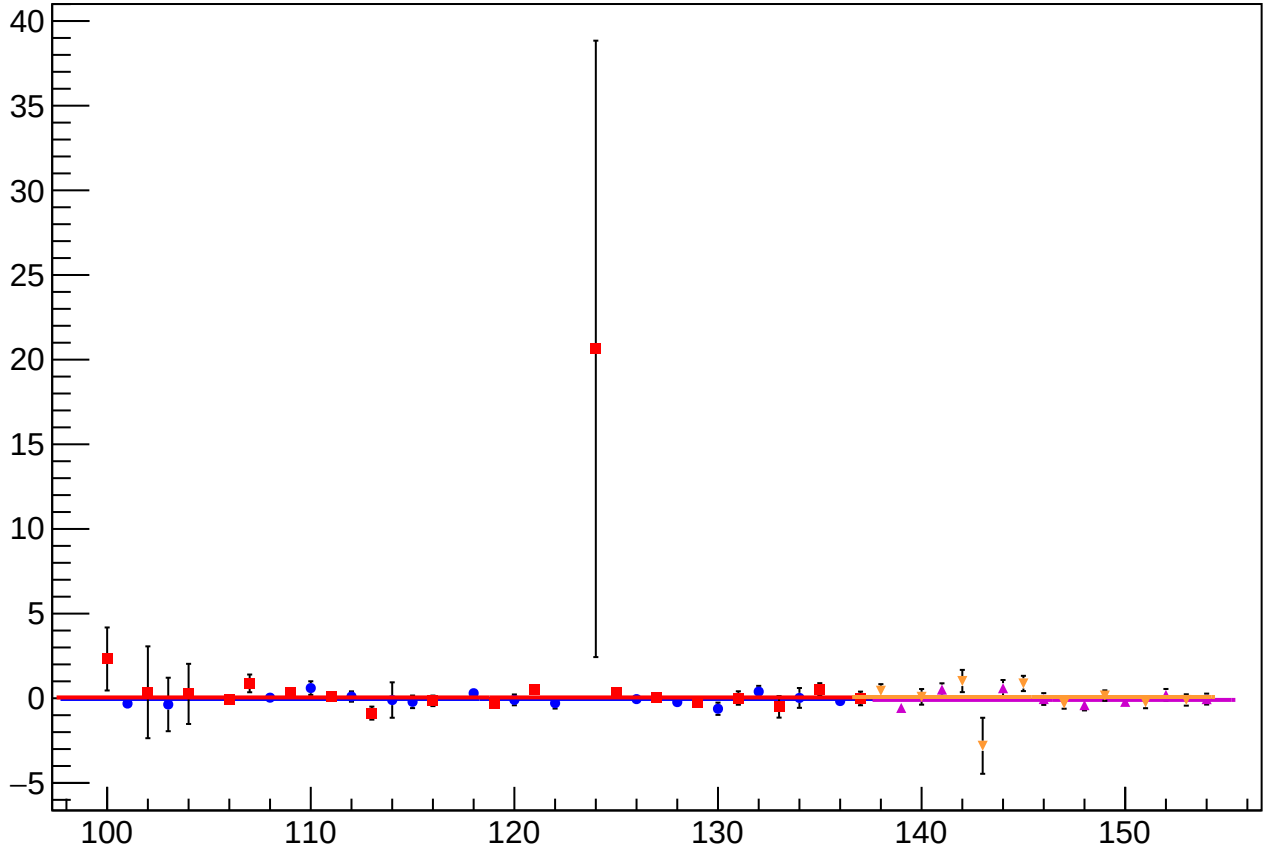
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 226.747+/-0.046 χ^2/NDF:2981038.7/23

Out: 223.947+/-0.048 χ^2/NDF:5492484.0/27

All: 225.407+/-0.033 χ^2/NDF: 8475307.5/51

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: -0.097+/-0.117 χ^2/NDF:9.7/7

Left: -0.021+/-0.088 χ^2/NDF: 22.5/16

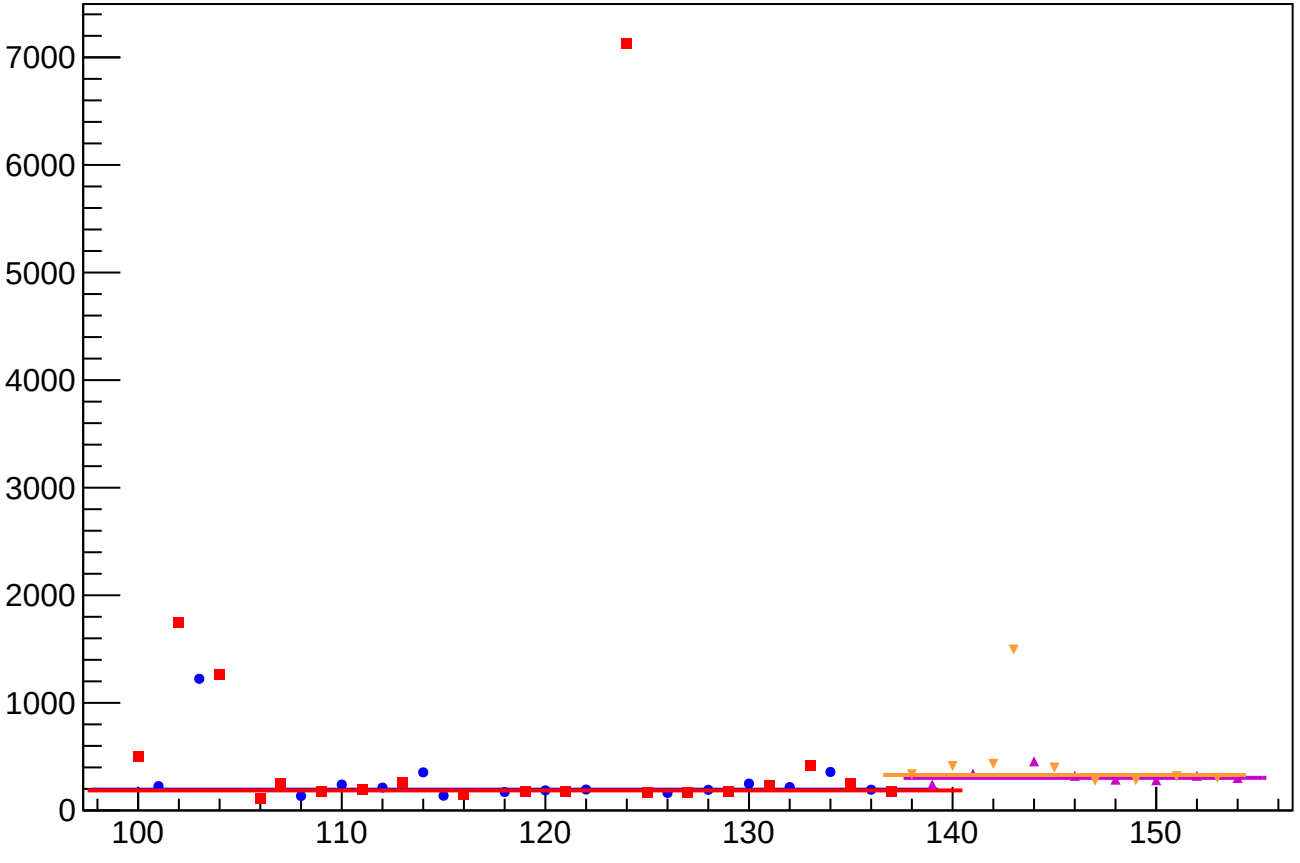
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.065 χ^2/NDF:21.6/23

Out: 0.056+/-0.068 χ^2/NDF:34.9/27

All: -0.004+/-0.047 χ^2/NDF: 58.0/51

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: 303.130+/-0.083 χ^2/NDF:354905.8/7

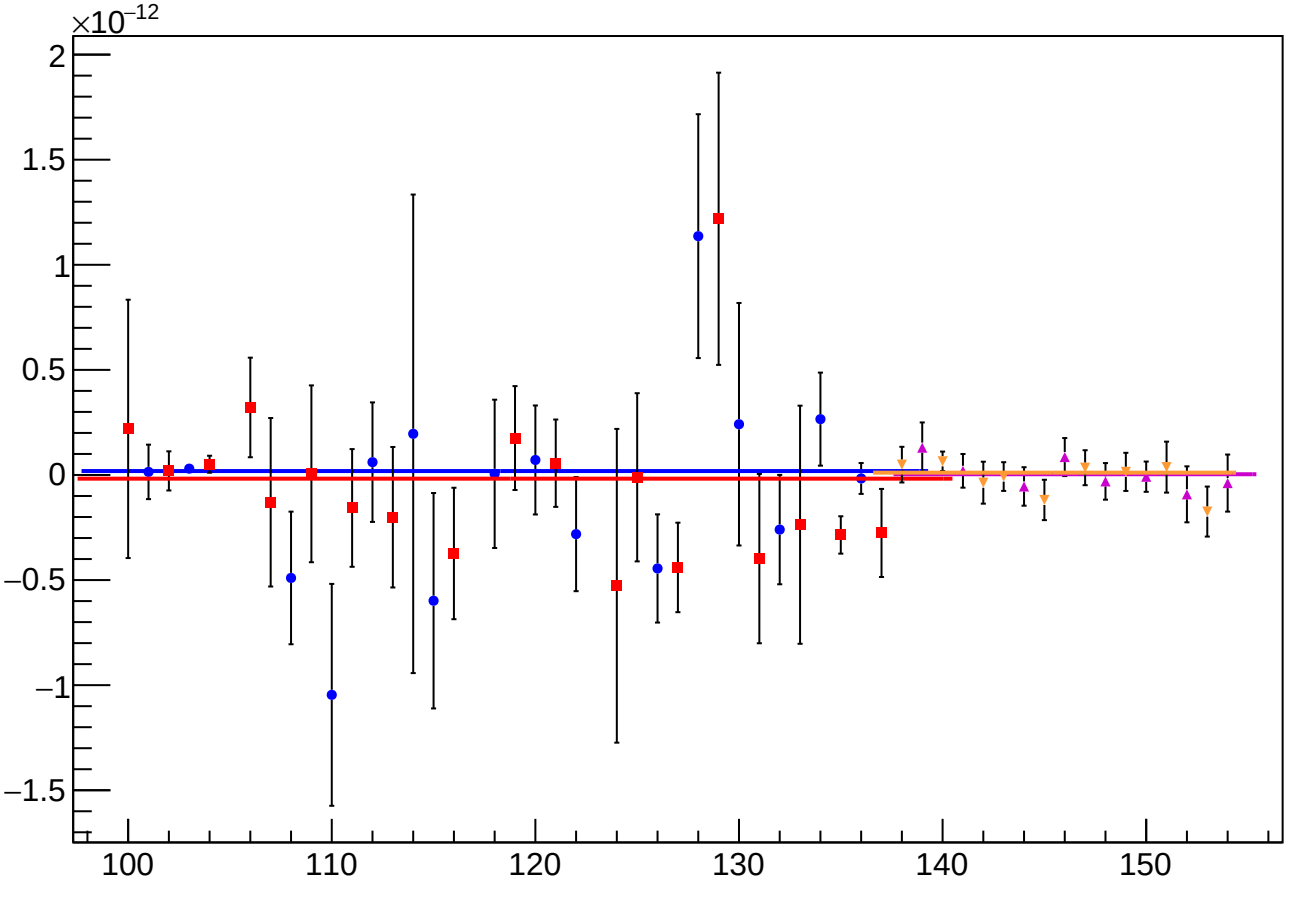
Left: 314.875+/-0.062 χ^2/NDF: 1677977.4/16

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 226.747+/-0.046 χ^2/NDF:2981038.7/23

Out: 223.947+/-0.048 χ^2/NDF:5492484.0/27

All: 225.407+/-0.033 χ^2/NDF: 8475307.5/51



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:3.2/7

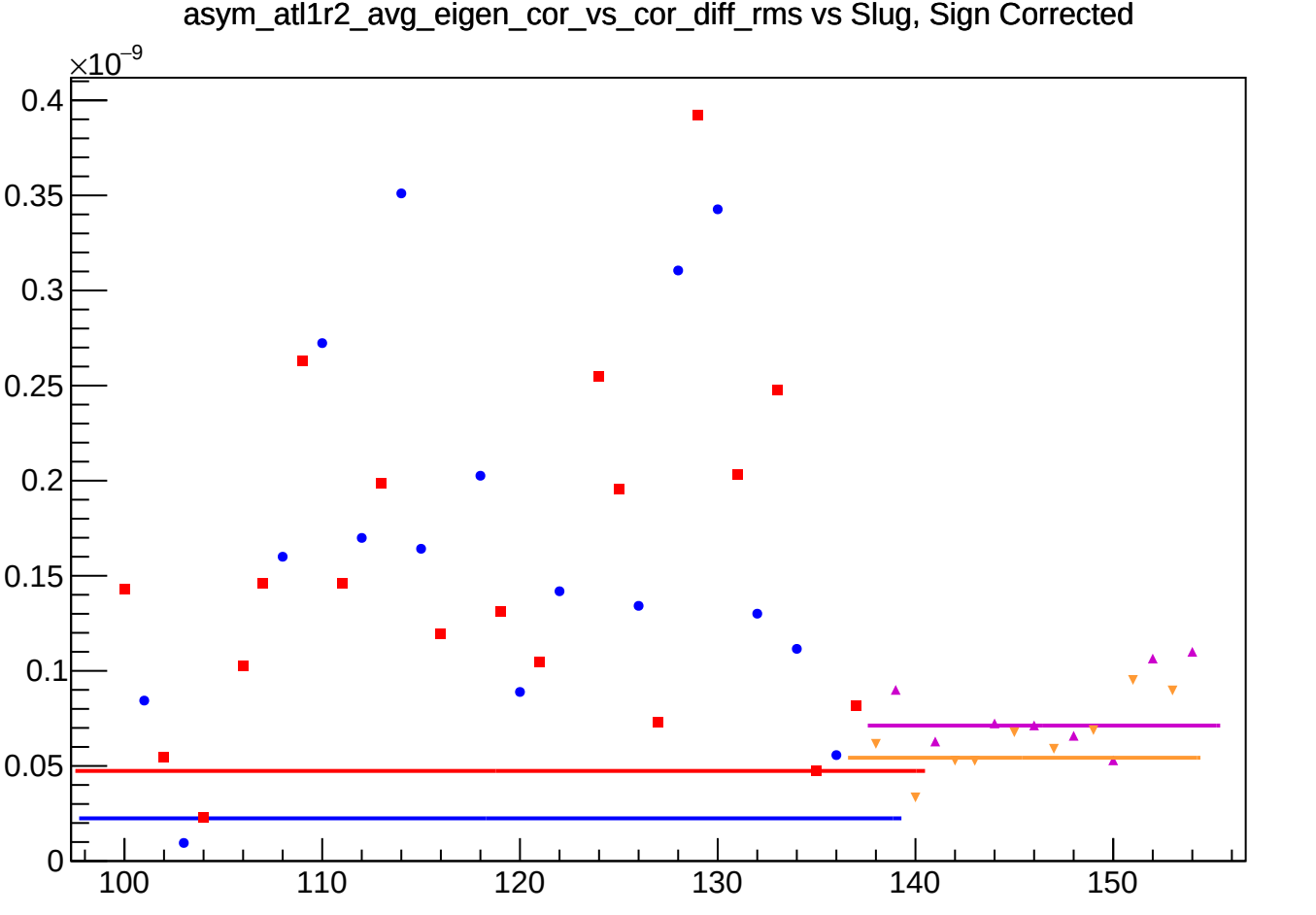
Left: 0.000+/-0.000 χ^2/NDF: 9.4/16

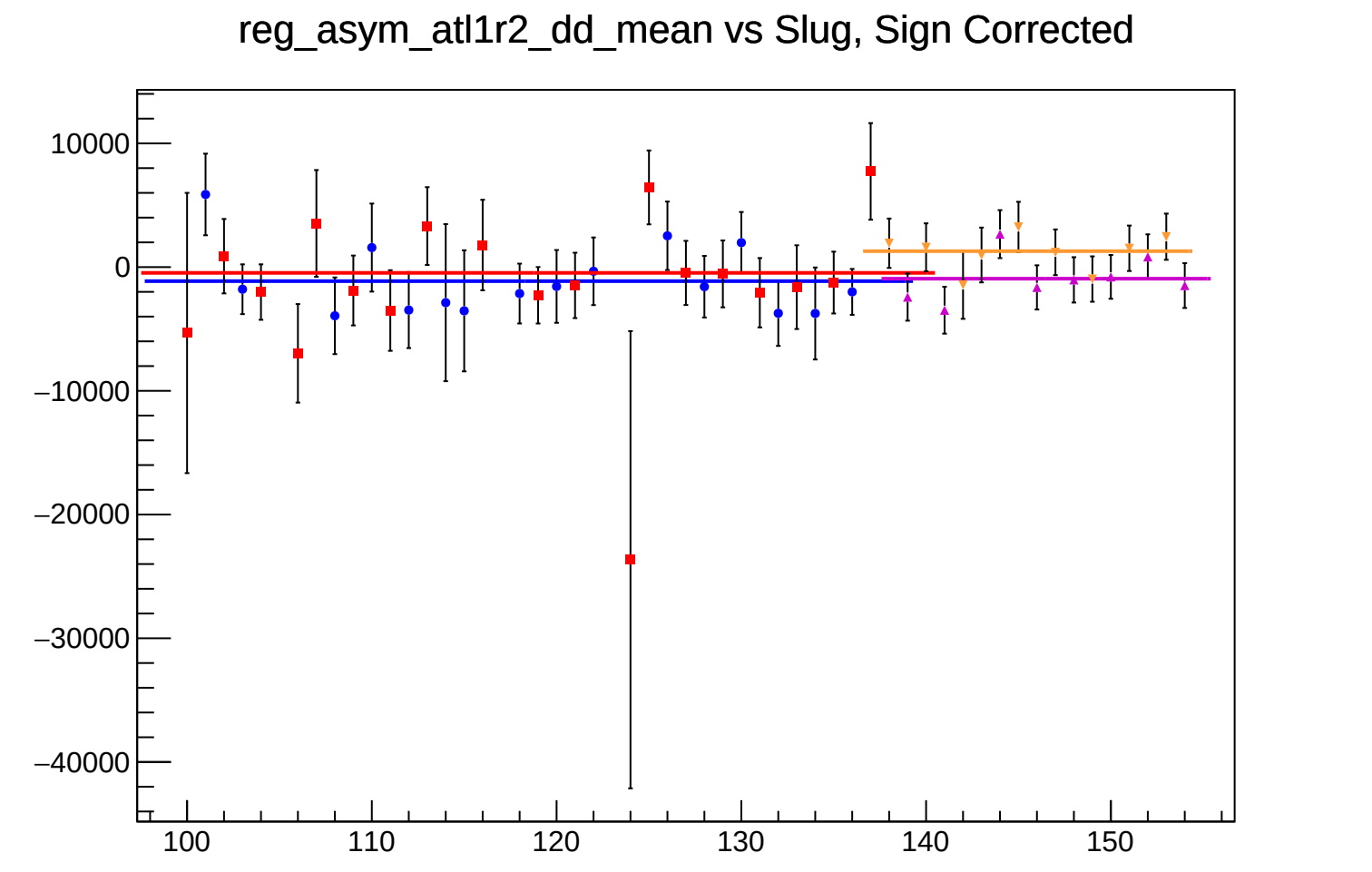
Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:22.7/23

Out: -0.000+/-0.000 χ^2/NDF:33.9/27

All: 0.000+/-0.000 χ^2/NDF: 56.9/51


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:510772.2/7
Left: 0.000+/-0.000 χ²/NDF: 1749378.0/16
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:10027279.1/23
Out: 0.000+/-0.000 χ²/NDF:5214749.5/27
All: 0.000+/-0.000 χ²/NDF: 15911966.1/51



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: -937.416+/-651.204 χ^2/NDF:7.1/7

Left: 154.143+/-464.847 χ^2/NDF: 16.8/16

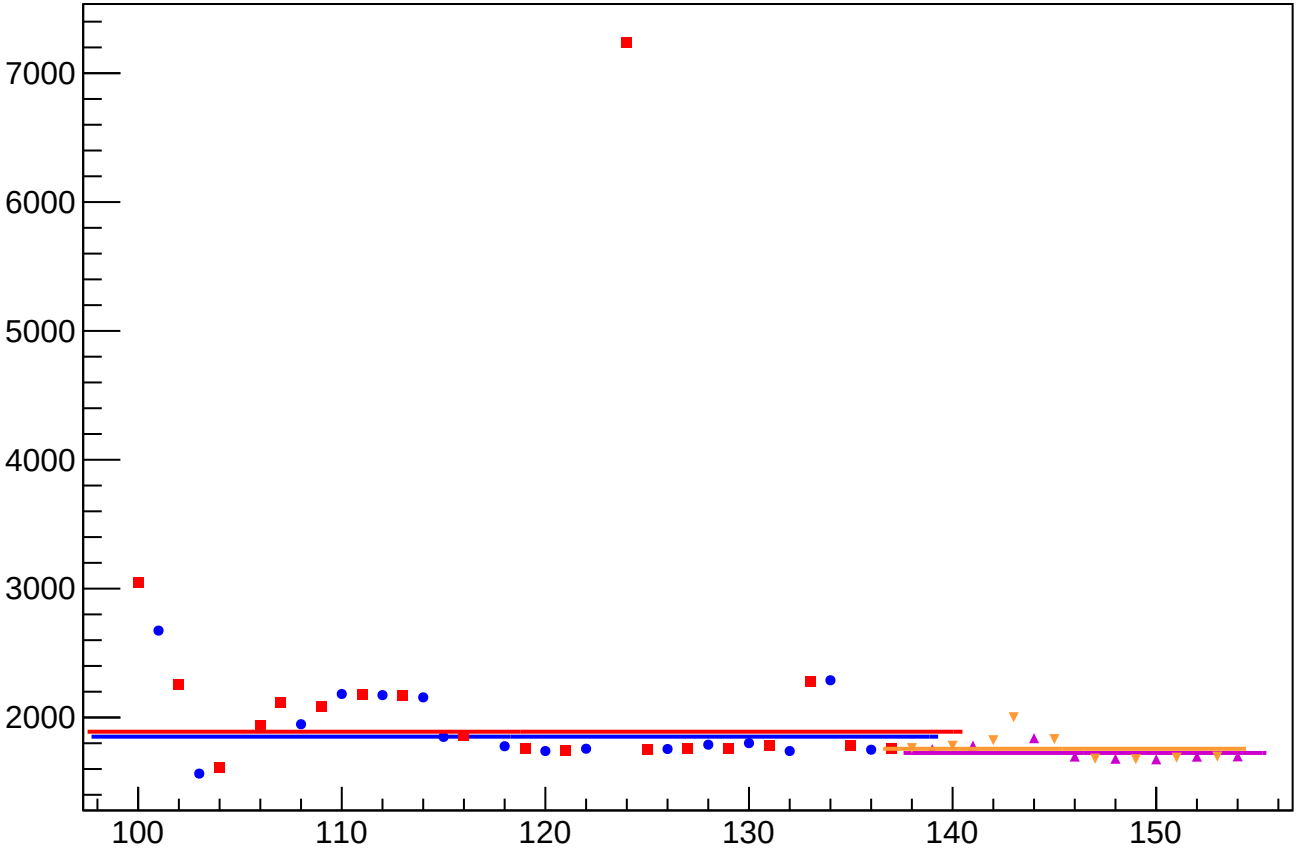
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1029.786+/-474.810 χ^2/NDF:19.3/23

Out: 465.280+/-483.570 χ^2/NDF:27.3/27

All: -295.918+/-338.796 χ^2/NDF: 51.5/51

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: 1724.716+/-0.460 χ^2/NDF:13417.6/7

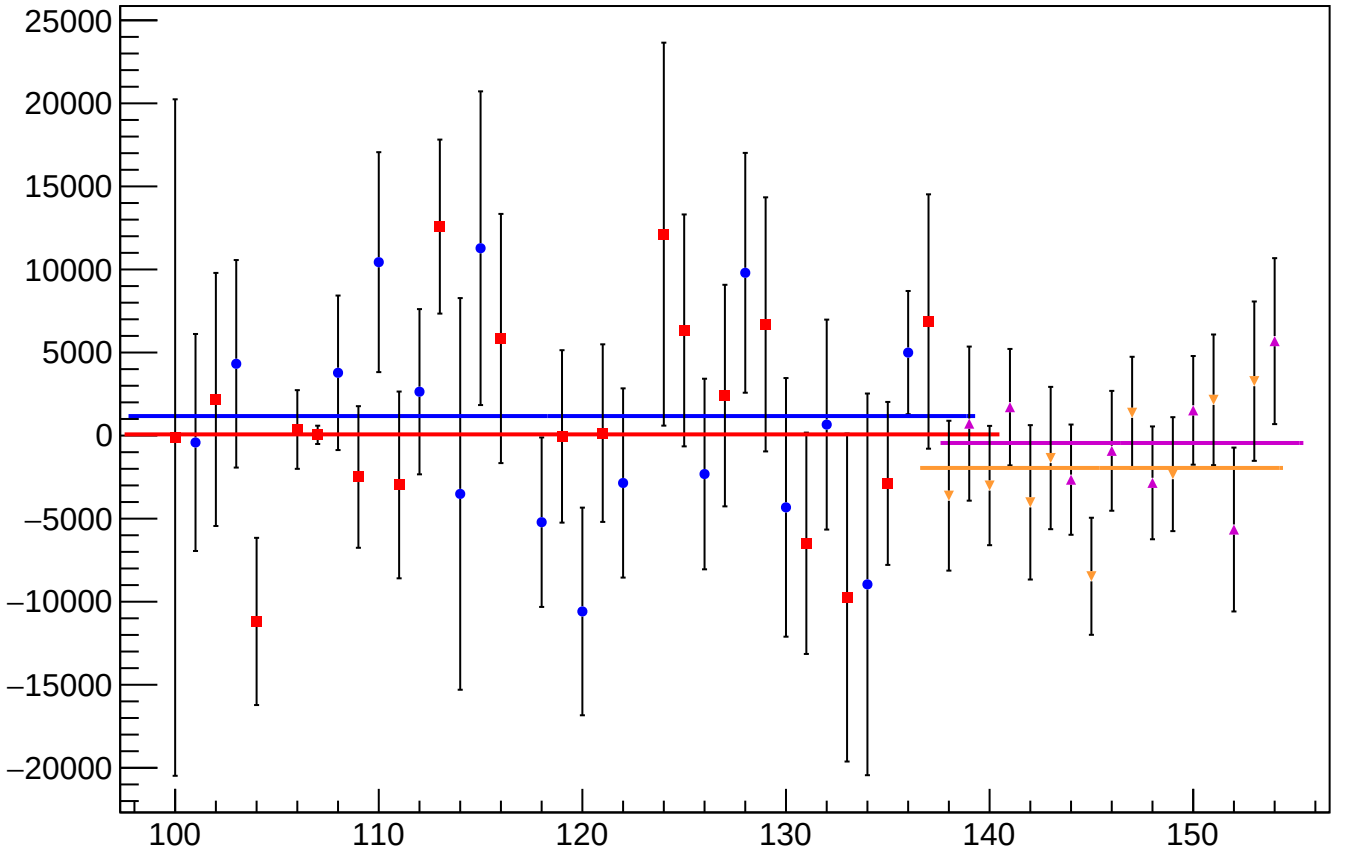
Left: 1740.560+/-0.329 χ^2/NDF: 56618.6/16

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1783.926+/-0.336 χ^2/NDF:308699.5/23

Out: 1819.352+/-0.342 χ^2/NDF:437182.9/27

All: 1801.334+/-0.239 χ^2/NDF: 751353.7/51



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -1947.735+/-1302.768 χ^2/NDF:7.1/8

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -445.122+/-1340.013 χ^2/NDF:4.4/7

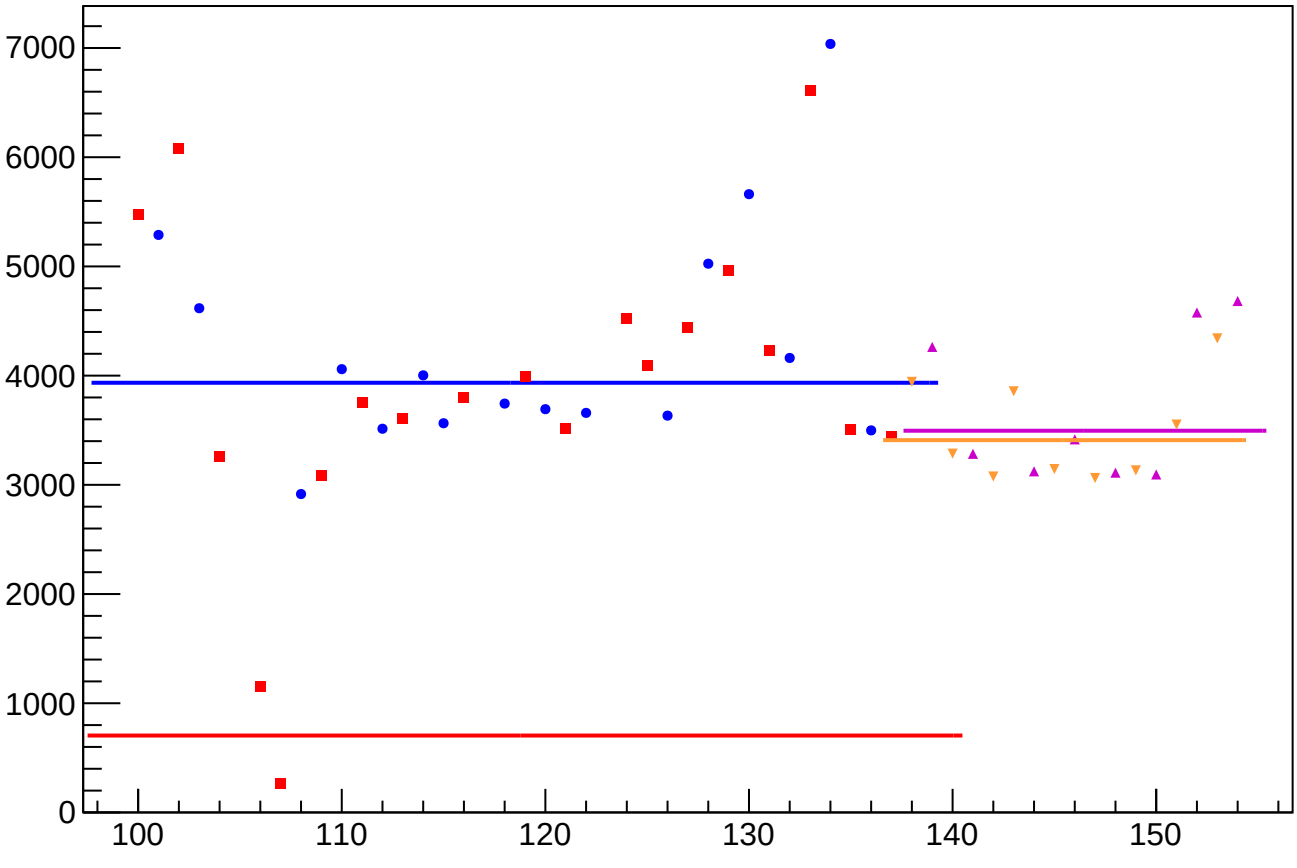
Left: -1217.601+/-934.086 χ^2/NDF: 12.2/16

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 273.018+/-999.954 χ^2/NDF:18.8/23

Out: -191.881+/-471.423 χ^2/NDF:27.1/27

All: -107.342+/-426.412 χ^2/NDF: 46.1/51



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: 3495.518+/-0.948 χ^2/NDF:353097.6/7

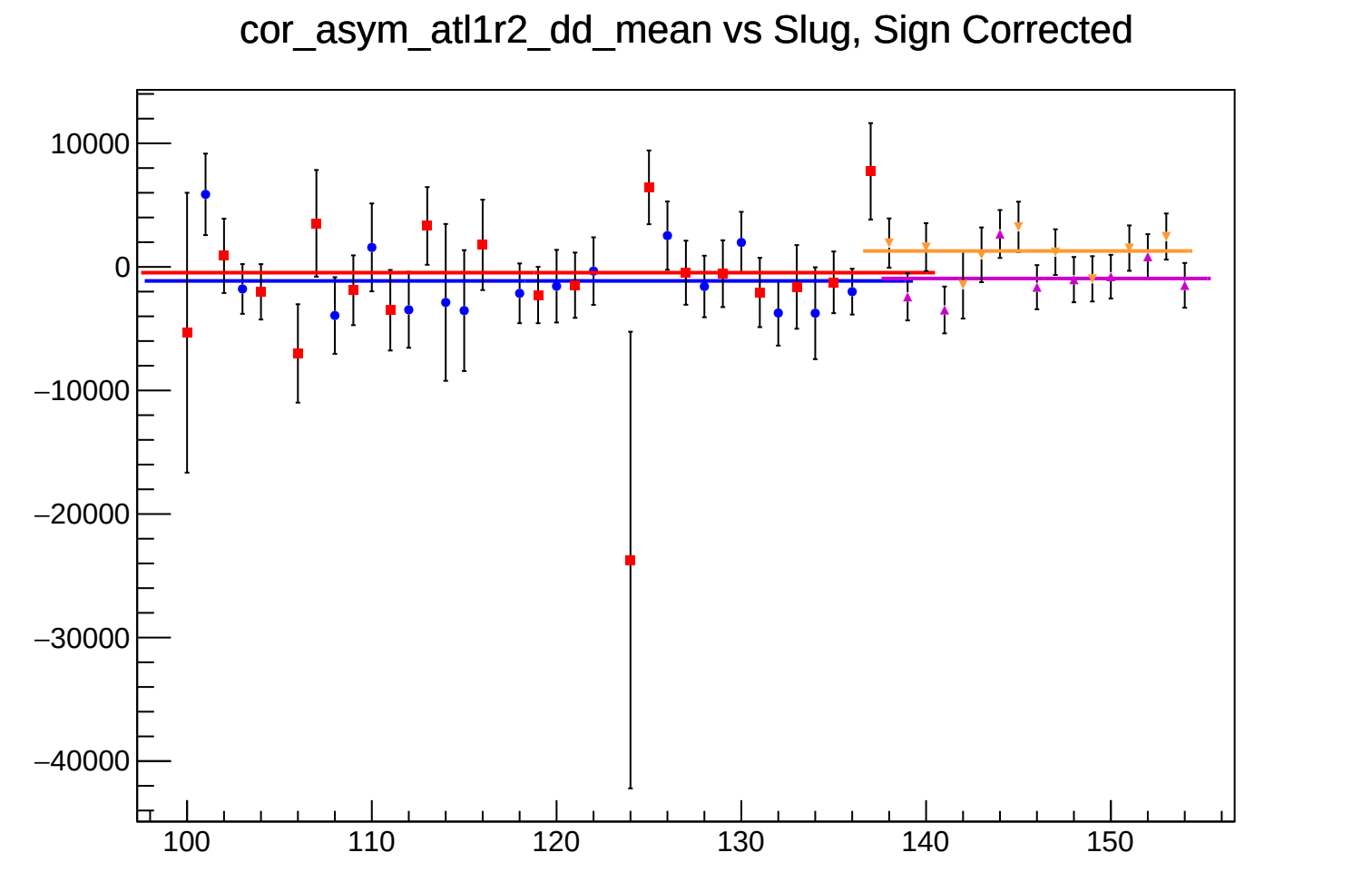
Left: 3451.194+/-0.660 χ^2/NDF: 543339.9/16

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3690.148+/-0.707 χ^2/NDF:1008433.1/23

Out: 1058.579+/-0.333 χ^2/NDF:18297532.6/27

All: 1537.113+/-0.302 χ^2/NDF: 30638725.2/5



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: -937.347+/-651.204 χ^2/NDF:7.1/7

Left: 154.160+/-464.847 χ^2/NDF: 16.8/16

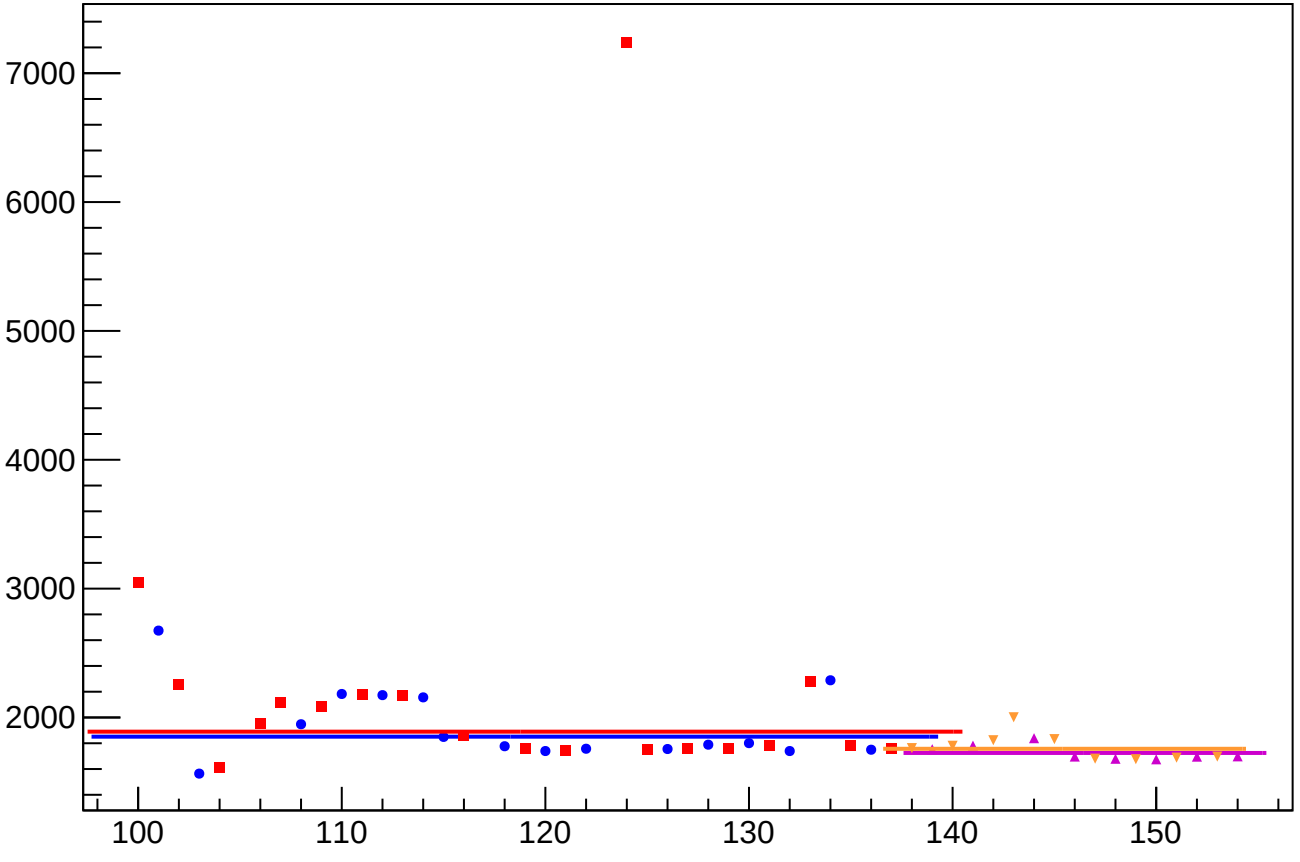
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1029.549+/-474.810 χ^2/NDF:19.3/23

Out: 465.084+/-483.571 χ^2/NDF:27.3/27

All: -295.894+/-338.796 χ^2/NDF: 51.5/51

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: 1724.717+/-0.460 χ^2/NDF:13417.6/7

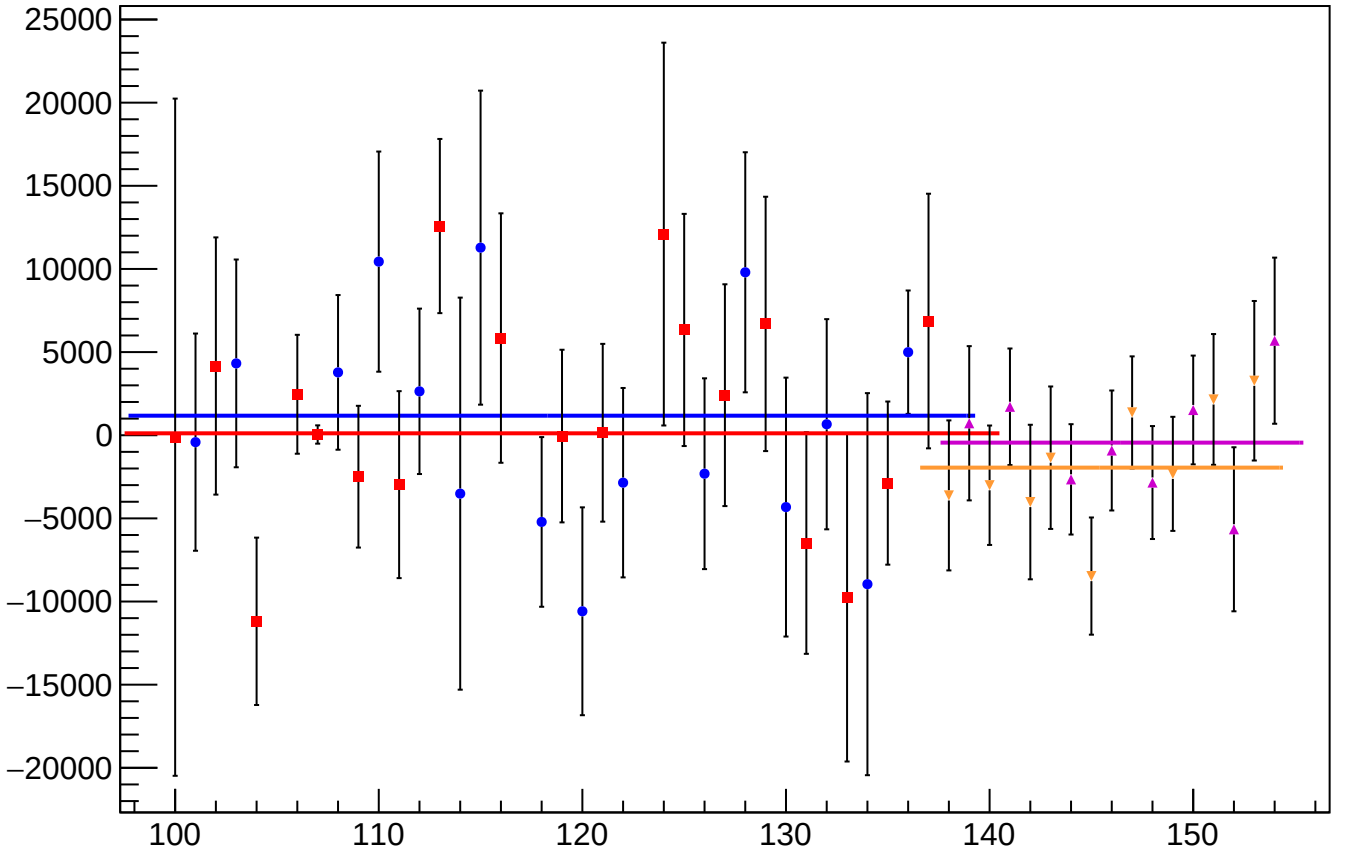
Left: 1740.560+/-0.329 χ^2/NDF: 56618.6/16

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1783.926+/-0.336 χ^2/NDF:308698.9/23

Out: 1819.553+/-0.342 χ^2/NDF:437653.3/27

All: 1801.431+/-0.239 χ^2/NDF: 751884.9/51



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: -445.132+/-1340.013 χ^2/NDF:4.4/7

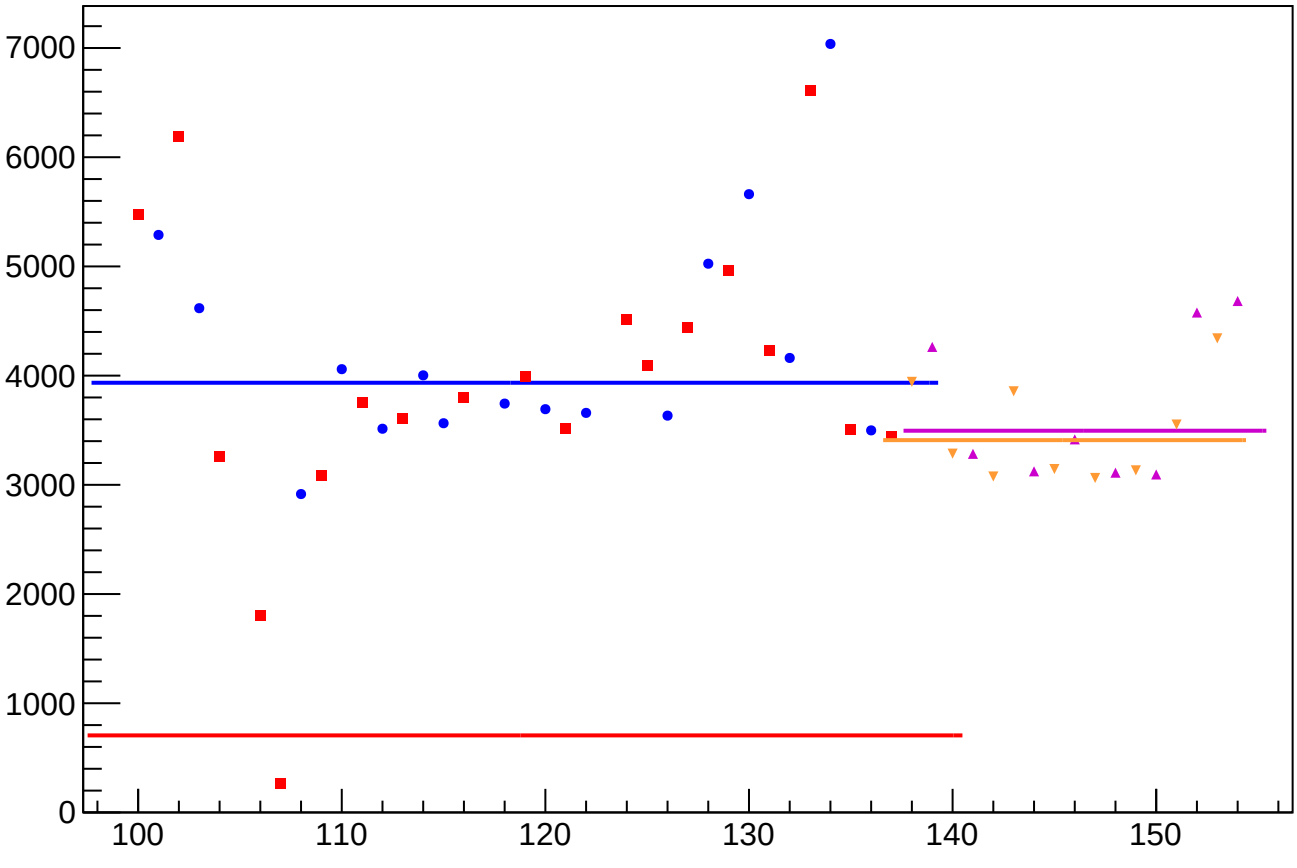
Left: -1217.644+/-934.085 χ^2/NDF: 12.2/16

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 272.999+/-999.956 χ^2/NDF:18.8/23

Out: -160.463+/-476.753 χ^2/NDF:27.9/27

All: -80.181+/-430.344 χ^2/NDF: 46.8/51



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: 3495.520+/-0.948 χ^2/NDF:353092.7/7

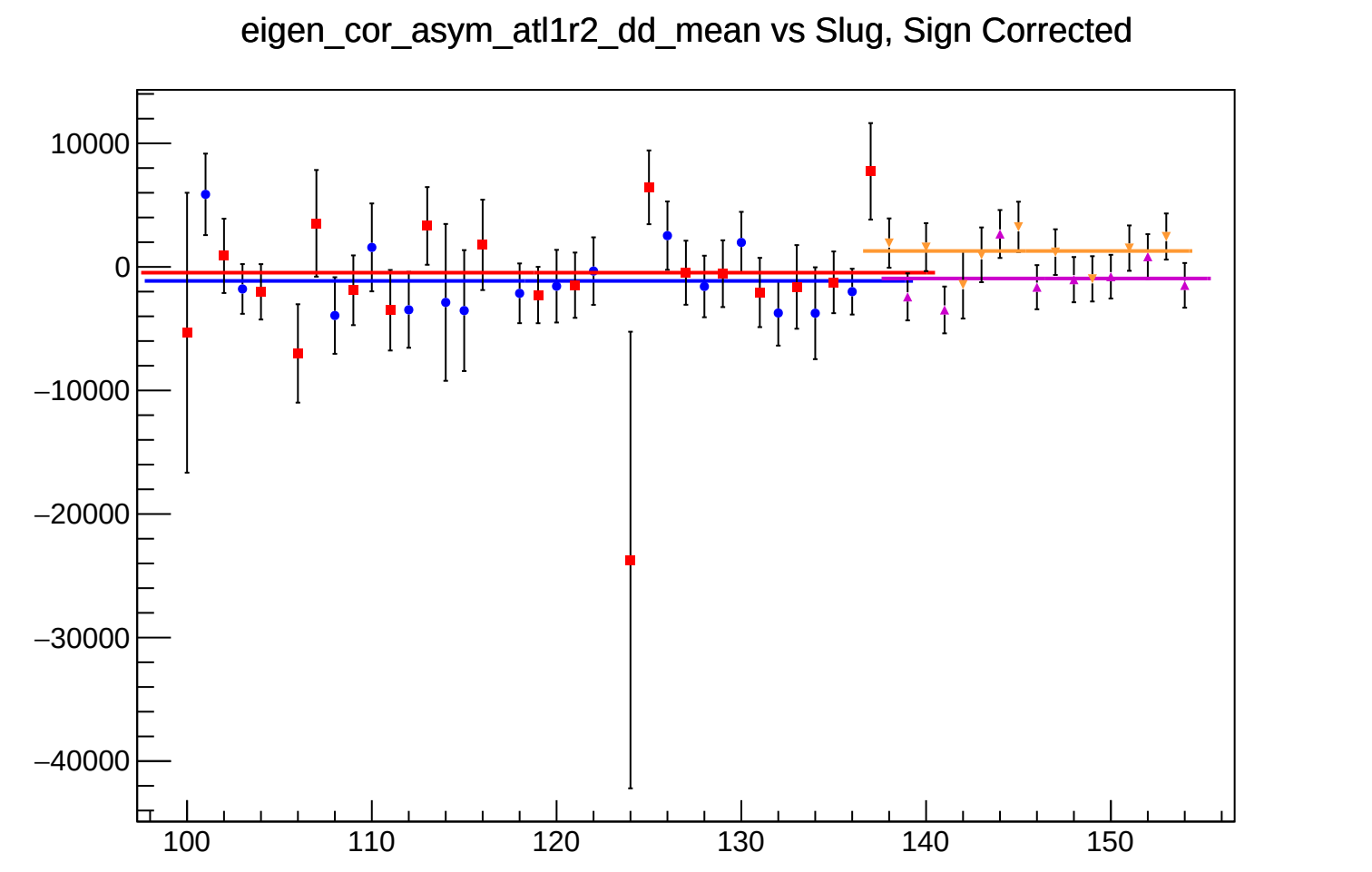
Left: 3451.189+/-0.660 χ^2/NDF: 543343.2/16

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3690.151+/-0.707 χ^2/NDF:1008455.2/23

Out: 1067.703+/-0.337 χ^2/NDF:18393590.4/27

All: 1553.413+/-0.304 χ^2/NDF: 30610008.1/5



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: -937.347+/-651.204 χ^2/NDF:7.1/7

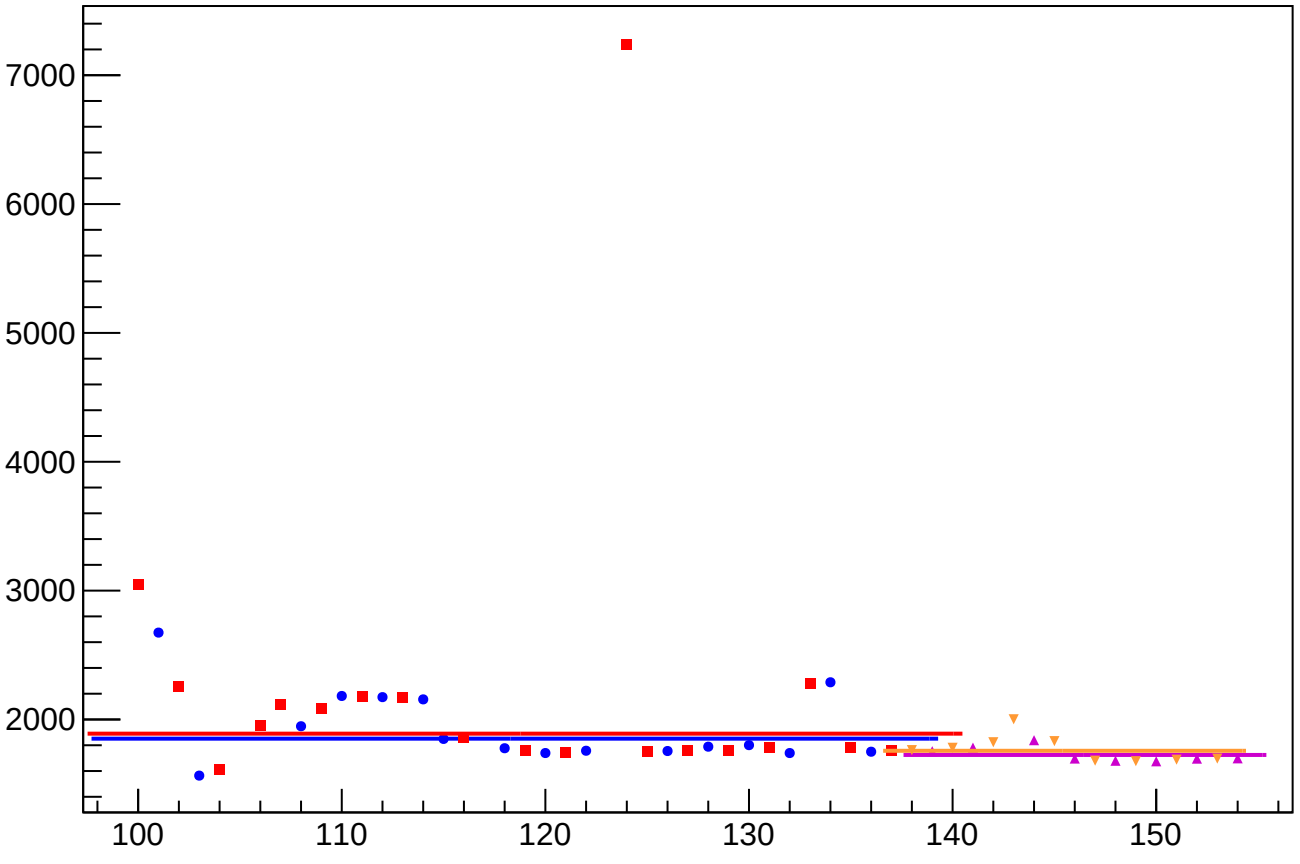
Left: 154.160+/-464.847 χ^2/NDF: 16.8/16

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1029.549+/-474.810 χ^2/NDF:19.3/23

Out: 465.084+/-483.571 χ^2/NDF:27.3/27

All: -295.894+/-338.796 χ^2/NDF: 51.5/51



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: 1724.717+/-0.460 χ^2/NDF:13417.6/7

Left: 1740.560+/-0.329 χ^2/NDF: 56618.6/16

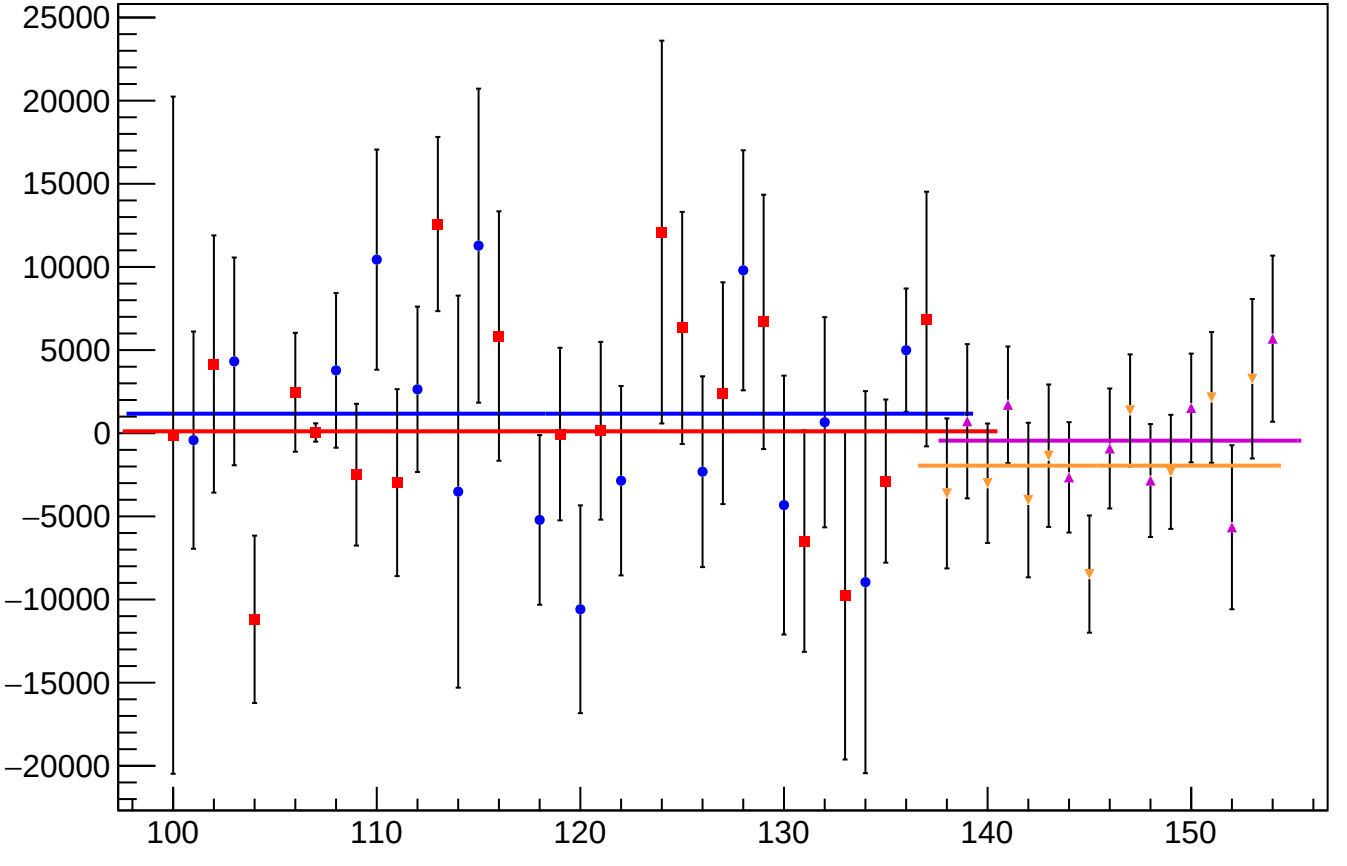
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1783.926+/-0.336 χ^2/NDF:308698.9/23

Out: 1819.553+/-0.342 χ^2/NDF:437653.3/27

All: 1801.431+/-0.239 χ^2/NDF: 751884.9/51

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: -445.132+/-1340.013 χ^2/NDF:4.4/7

Left: -1217.644+/-934.085 χ^2/NDF: 12.2/16

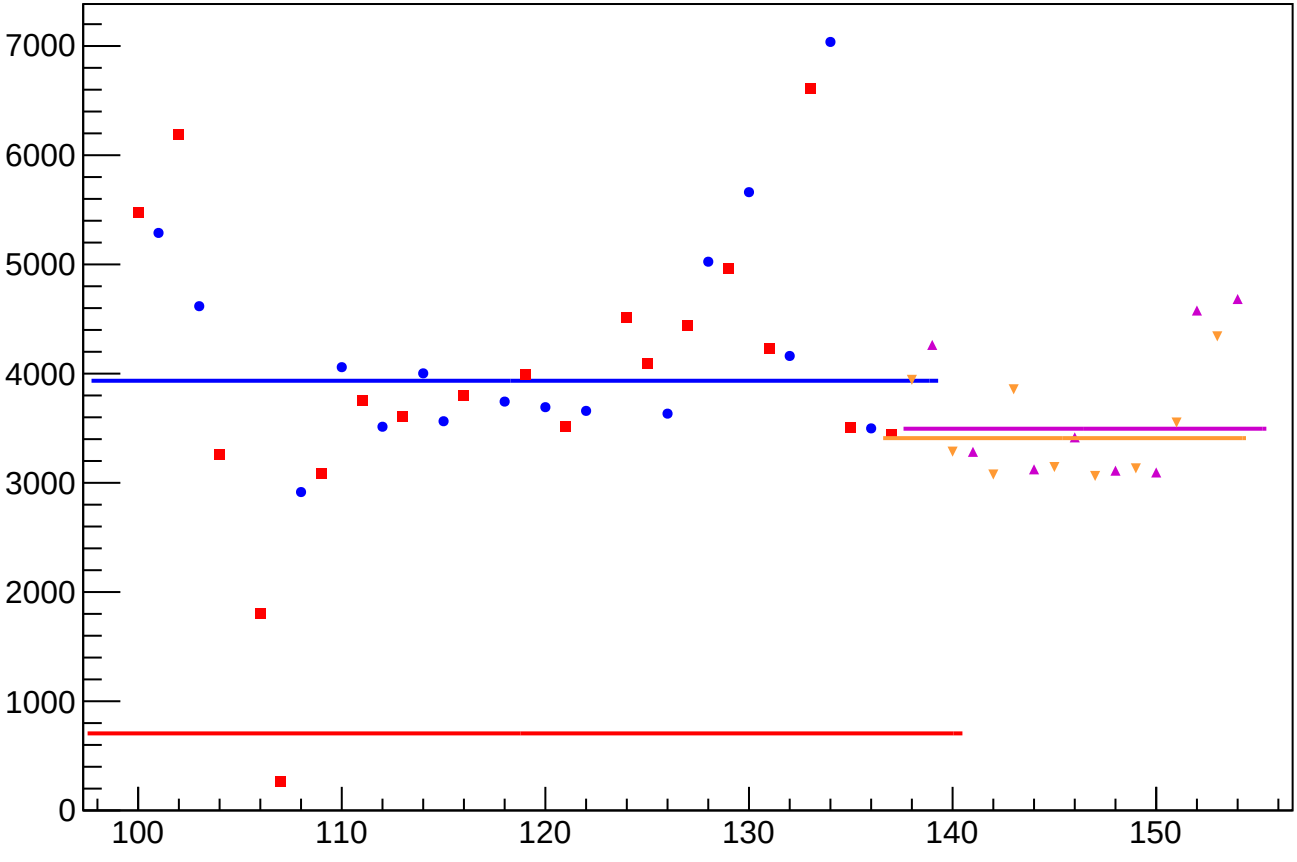
Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 272.999+/-999.956 χ^2/NDF:18.8/23

Out: -160.463+/-476.753 χ^2/NDF:27.9/27

All: -80.181+/-430.344 χ^2/NDF: 46.8/51

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 3495.520+/-0.948 χ^2/NDF:353092.7/7

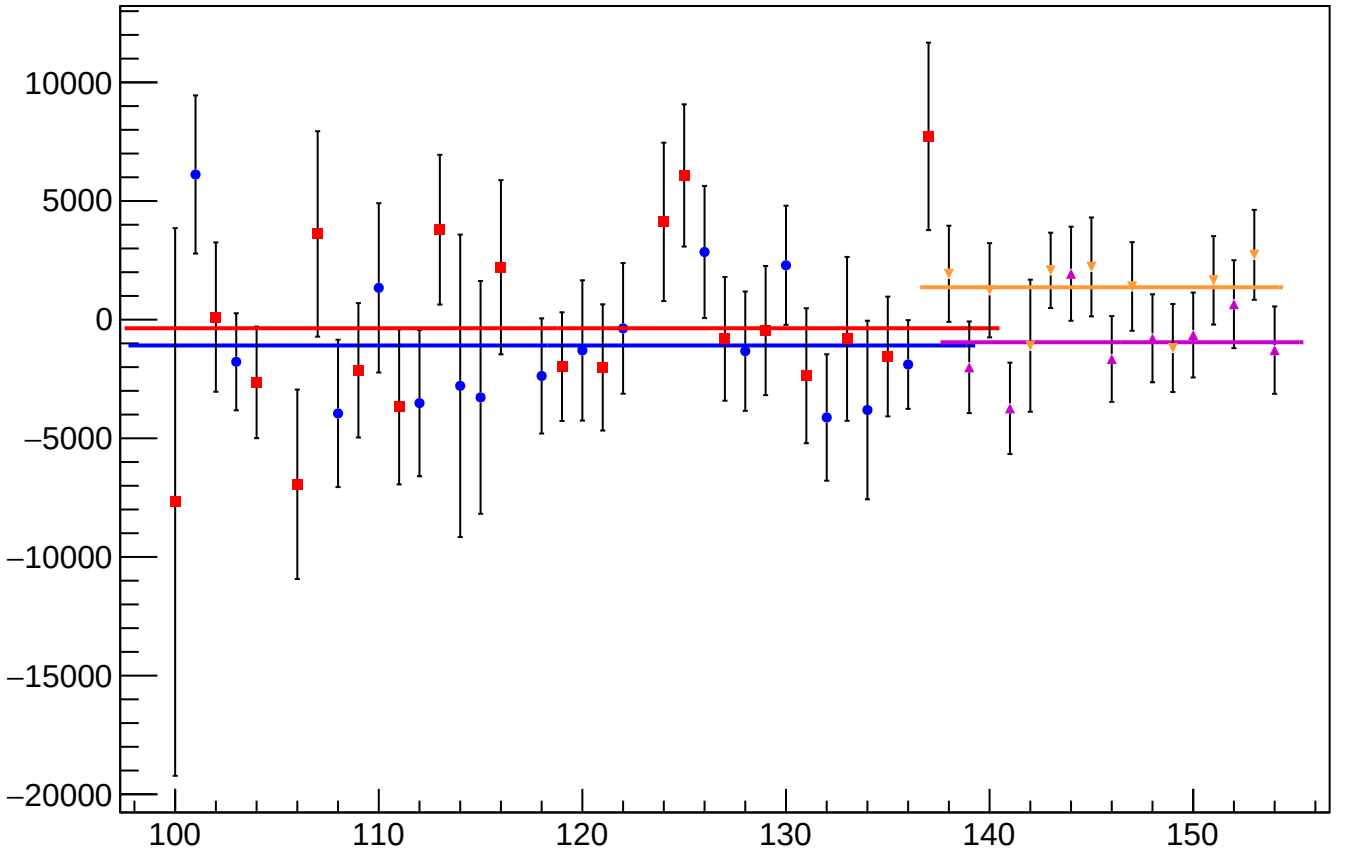
Left: 3451.189+/-0.660 χ^2/NDF: 543343.2/16

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3690.151+/-0.707 χ^2/NDF:1008455.2/23

Out: 1067.703+/-0.337 χ^2/NDF:18393590.4/27

All: 1553.413+/-0.304 χ^2/NDF: 30610008.1/5



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: -952.220+/-661.237 χ^2/NDF:5.5/7

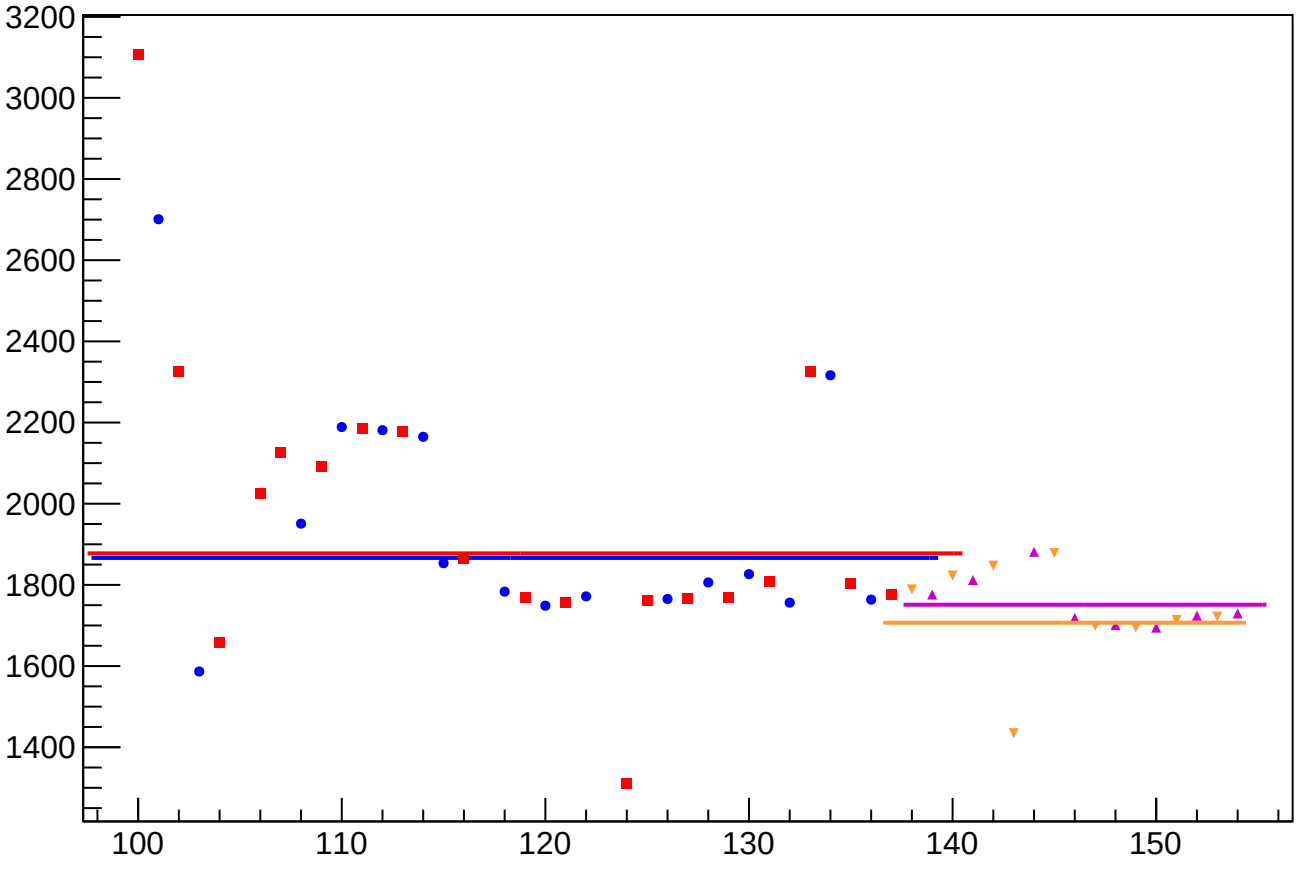
Left: 233.366+/-462.035 χ^2/NDF: 15.5/16

Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1016.161+/-480.549 χ^2/NDF:18.7/23

Out: 570.516+/-474.578 χ^2/NDF:27.8/27

All: -212.904+/-337.668 χ^2/NDF: 52.0/51



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: 1751.120+/-0.468 χ^2/NDF:15756.8/7

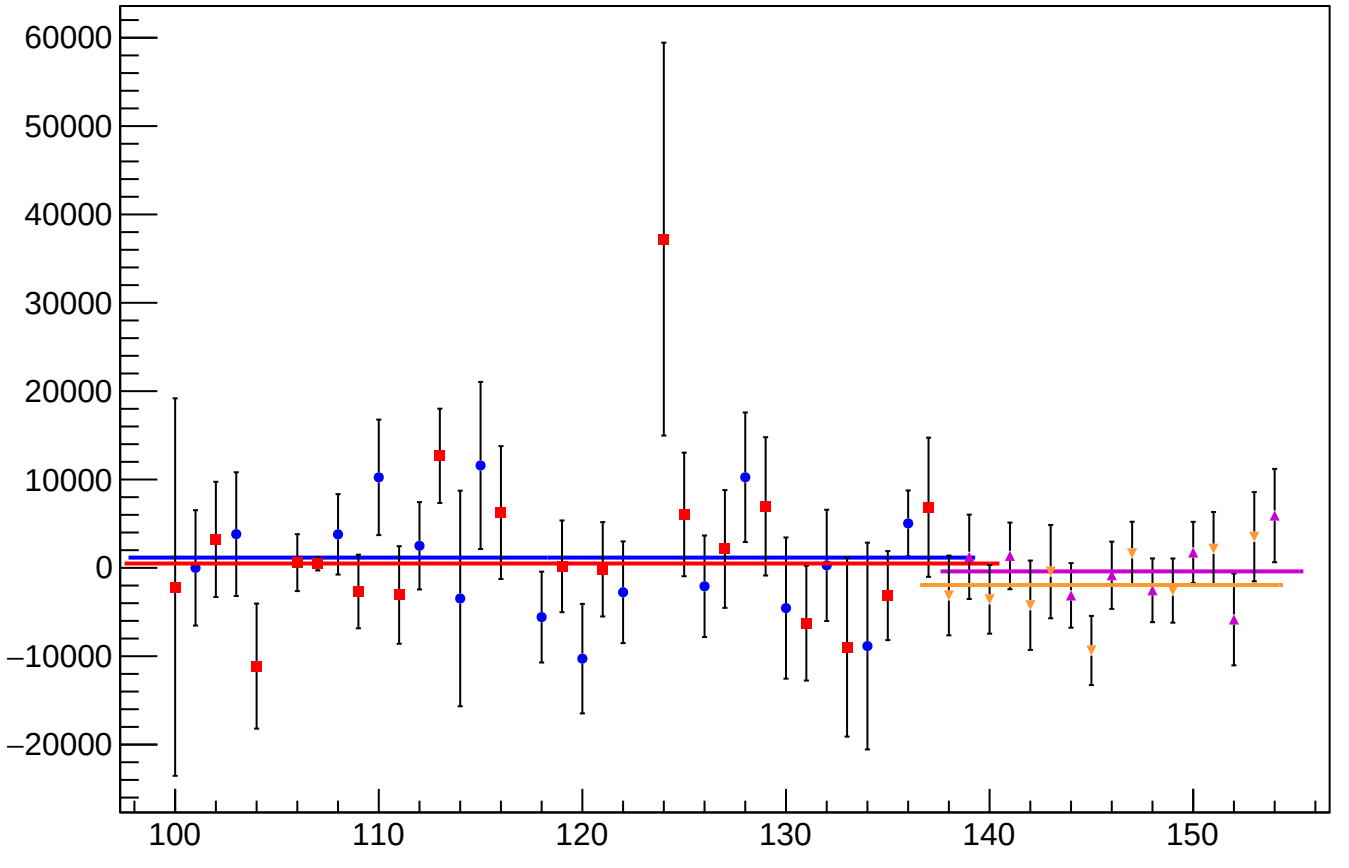
Left: 1728.378+/-0.327 χ^2/NDF: 108231.9/16

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1805.541+/-0.340 χ^2/NDF:300729.9/23

Out: 1785.415+/-0.335 χ^2/NDF:404245.2/27

All: 1795.348+/-0.239 χ^2/NDF: 706751.7/51



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: -398.679+/-1427.209 χ^2/NDF:4.2/7

Left: -1181.152+/-1001.466 χ^2/NDF: 12.0/16

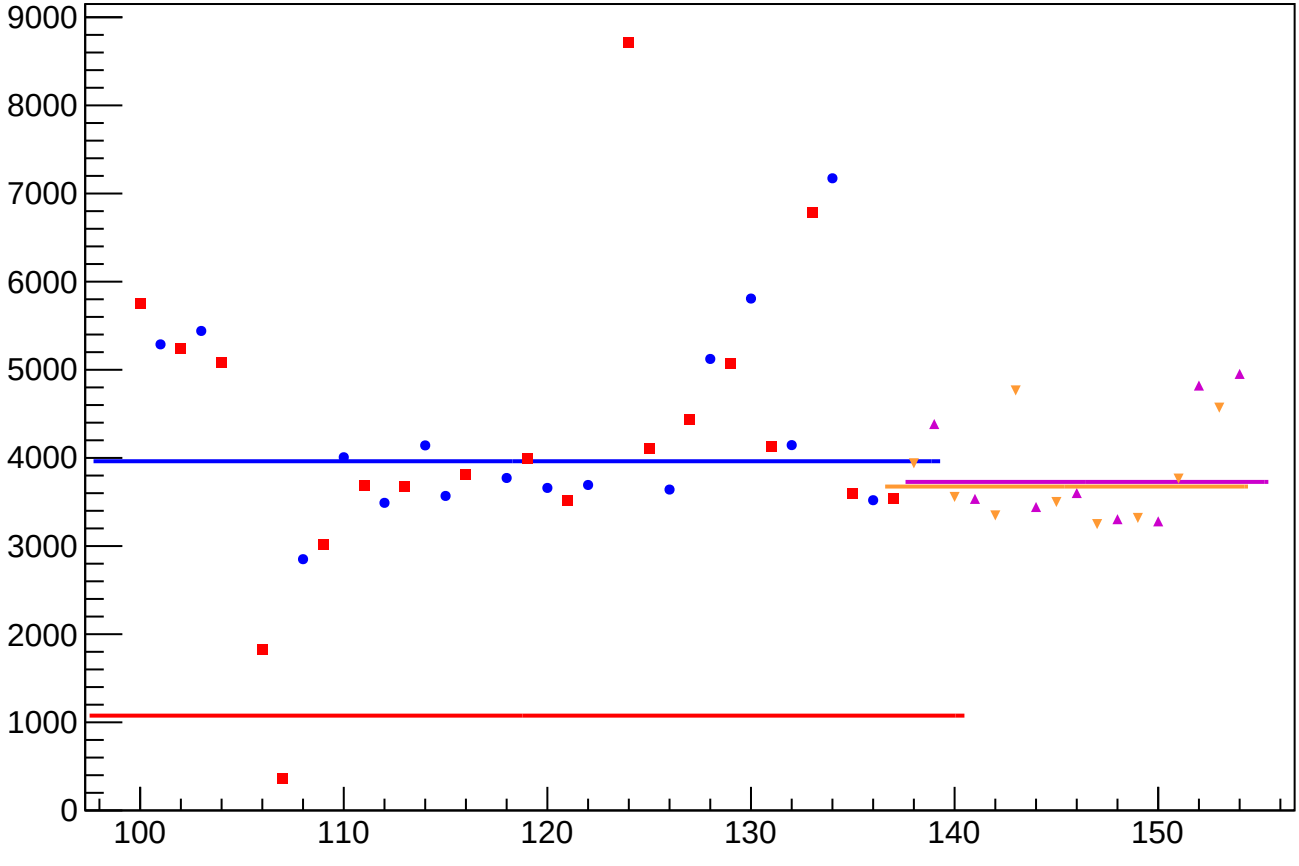
Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 336.146+/-1037.943 χ^2/NDF:18.4/23

Out: 55.015+/-596.314 χ^2/NDF:26.7/27

All: 124.780+/-517.057 χ^2/NDF: 45.1/51

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



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: 3727.929+/-1.009 χ^2/NDF:314344.7/7

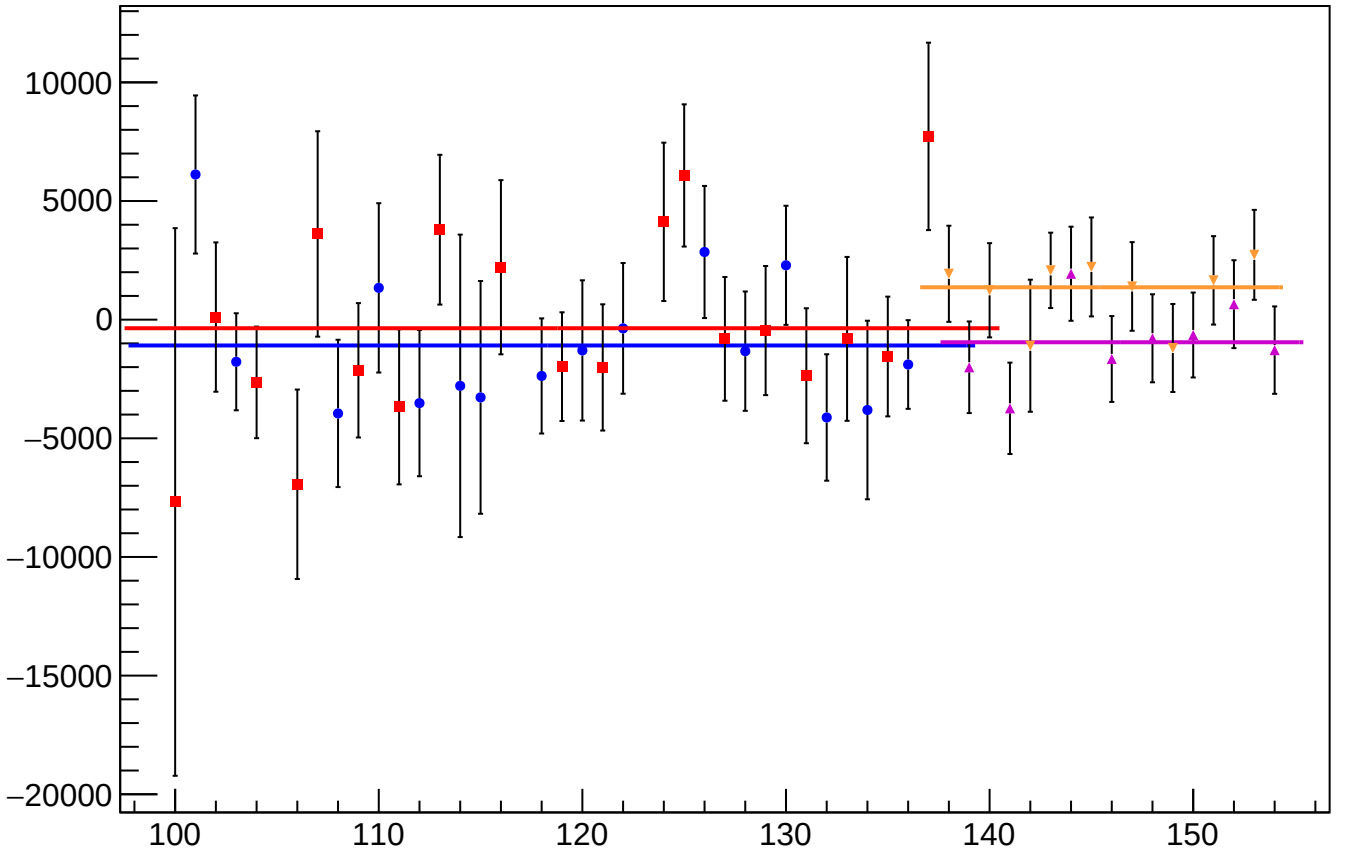
Left: 3701.150+/-0.708 χ^2/NDF: 533436.8/16

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3838.374+/-0.734 χ^2/NDF:1008107.2/23

Out: 1543.760+/-0.422 χ^2/NDF:15384106.6/27

All: 2113.188+/-0.366 χ^2/NDF: 23741211.2/5



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: -952.216+/-661.238 χ^2/NDF:5.5/7

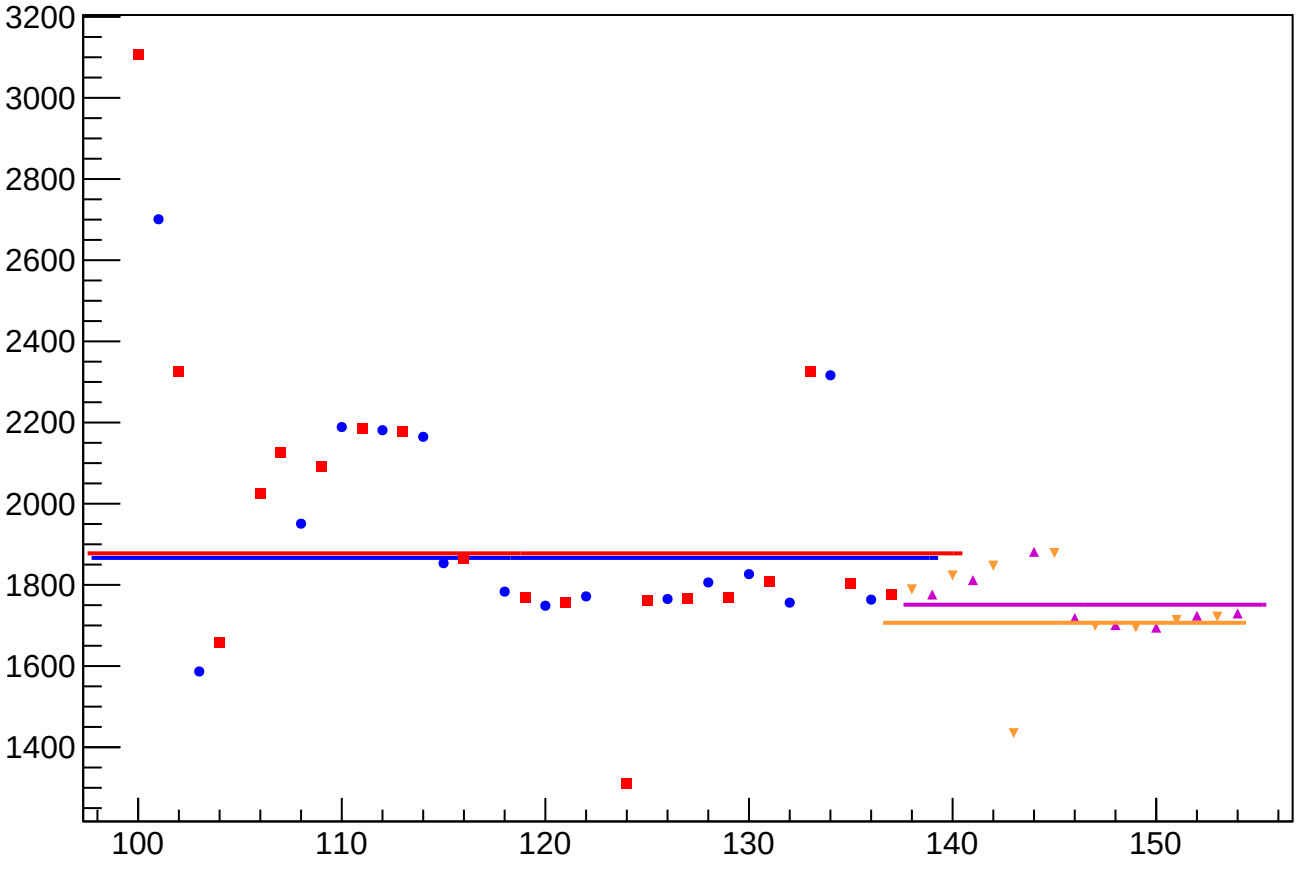
Left: 233.366+/-462.036 χ^2/NDF: 15.5/16

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1016.161+/-480.549 χ^2/NDF:18.7/23

Out: 570.512+/-474.578 χ^2/NDF:27.8/27

All: -212.906+/-337.668 χ^2/NDF: 52.0/51



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: 1751.120+/-0.468 χ^2/NDF:15756.7/7

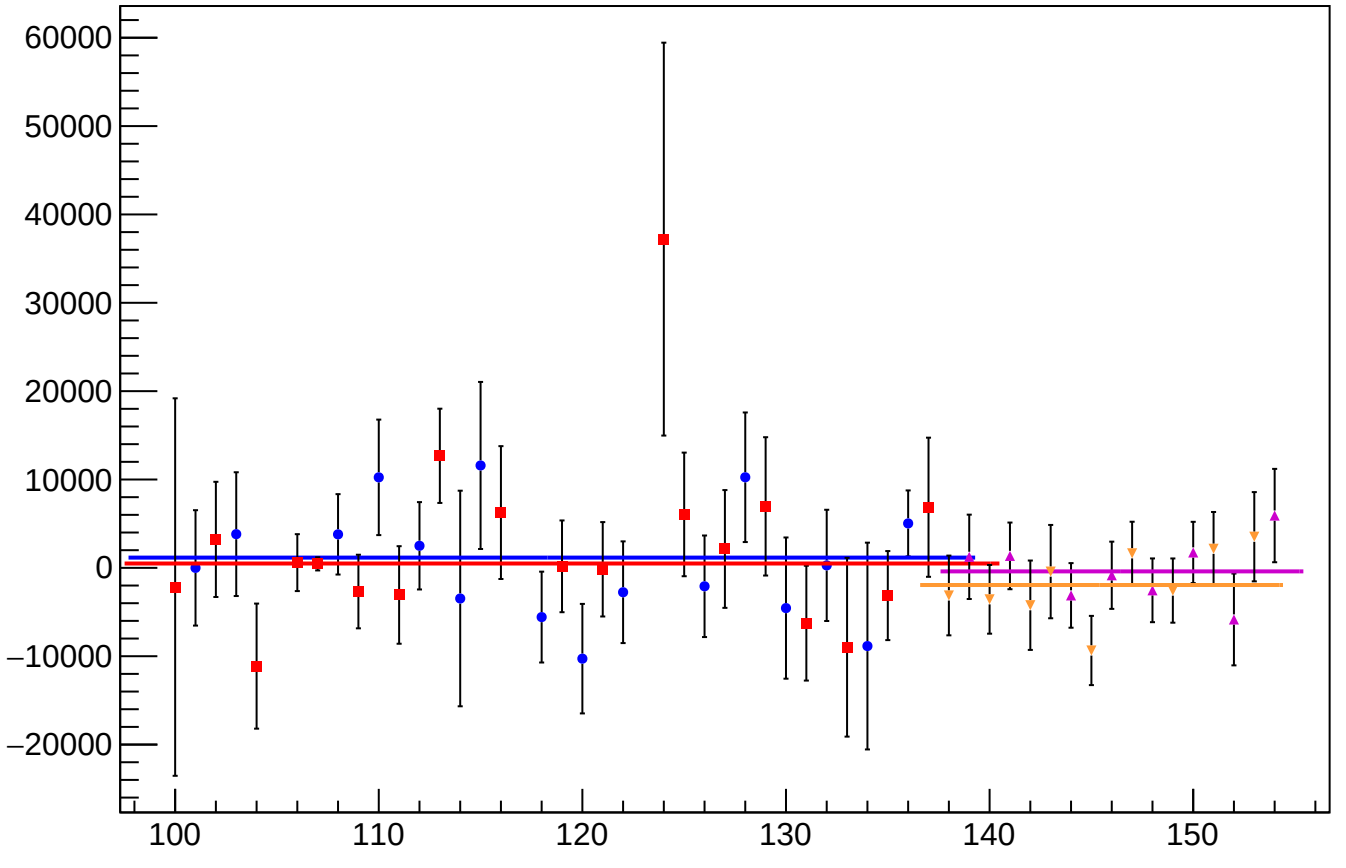
Left: 1728.379+/-0.327 χ^2/NDF: 108230.8/16

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1805.541+/-0.340 χ^2/NDF:300729.4/23

Out: 1785.415+/-0.335 χ^2/NDF:404243.9/27

All: 1795.349+/-0.239 χ^2/NDF: 706749.9/51



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: -398.675+/-1427.210 χ^2/NDF:4.2/7

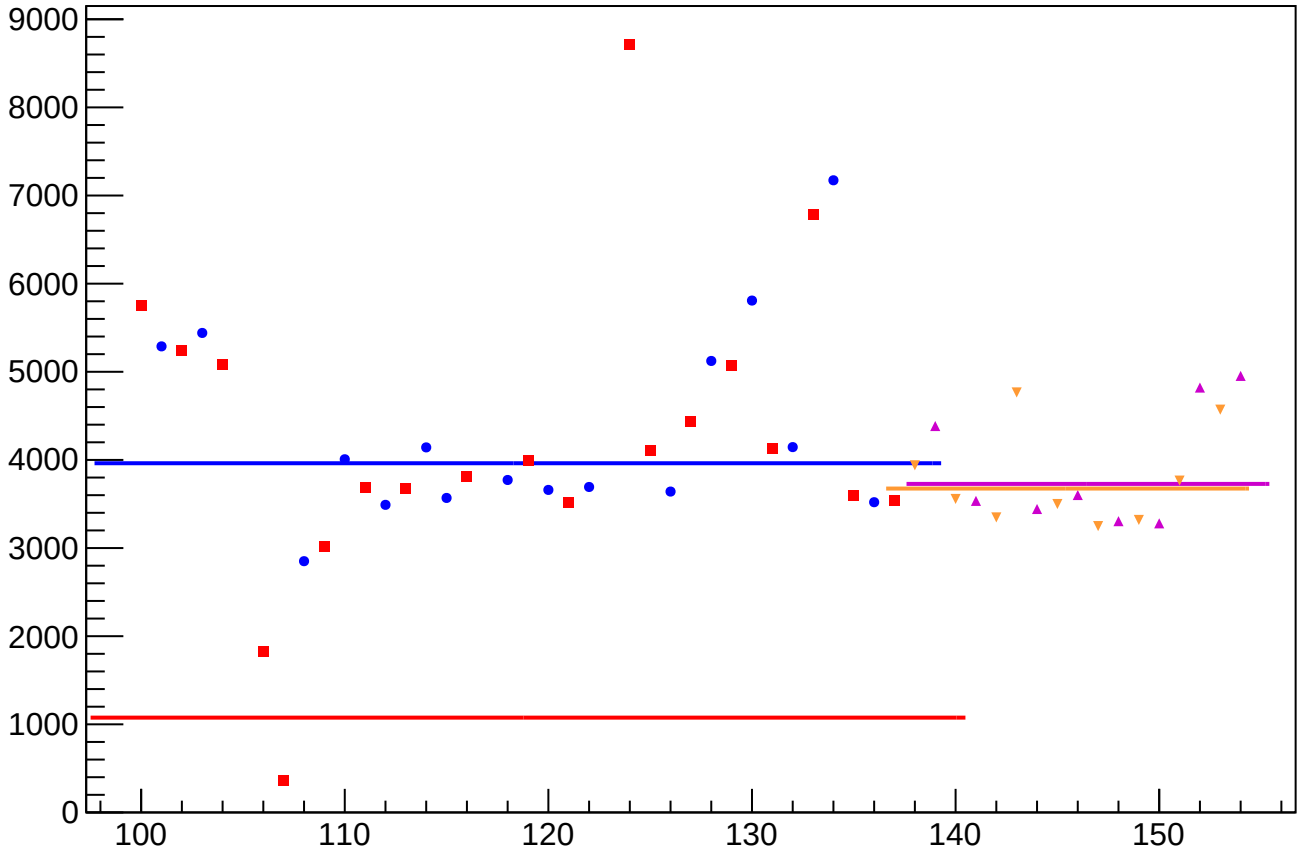
Left: -1181.151+/-1001.467 χ^2/NDF: 12.0/16

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 336.141+/-1037.943 χ^2/NDF:18.4/23

Out: 55.009+/-596.323 χ^2/NDF:26.7/27

All: 124.776+/-517.062 χ^2/NDF: 45.1/51



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: 3727.934+/-1.009 χ^2/NDF:314343.5/7

Left: 3701.154+/-0.708 χ^2/NDF: 533433.9/16

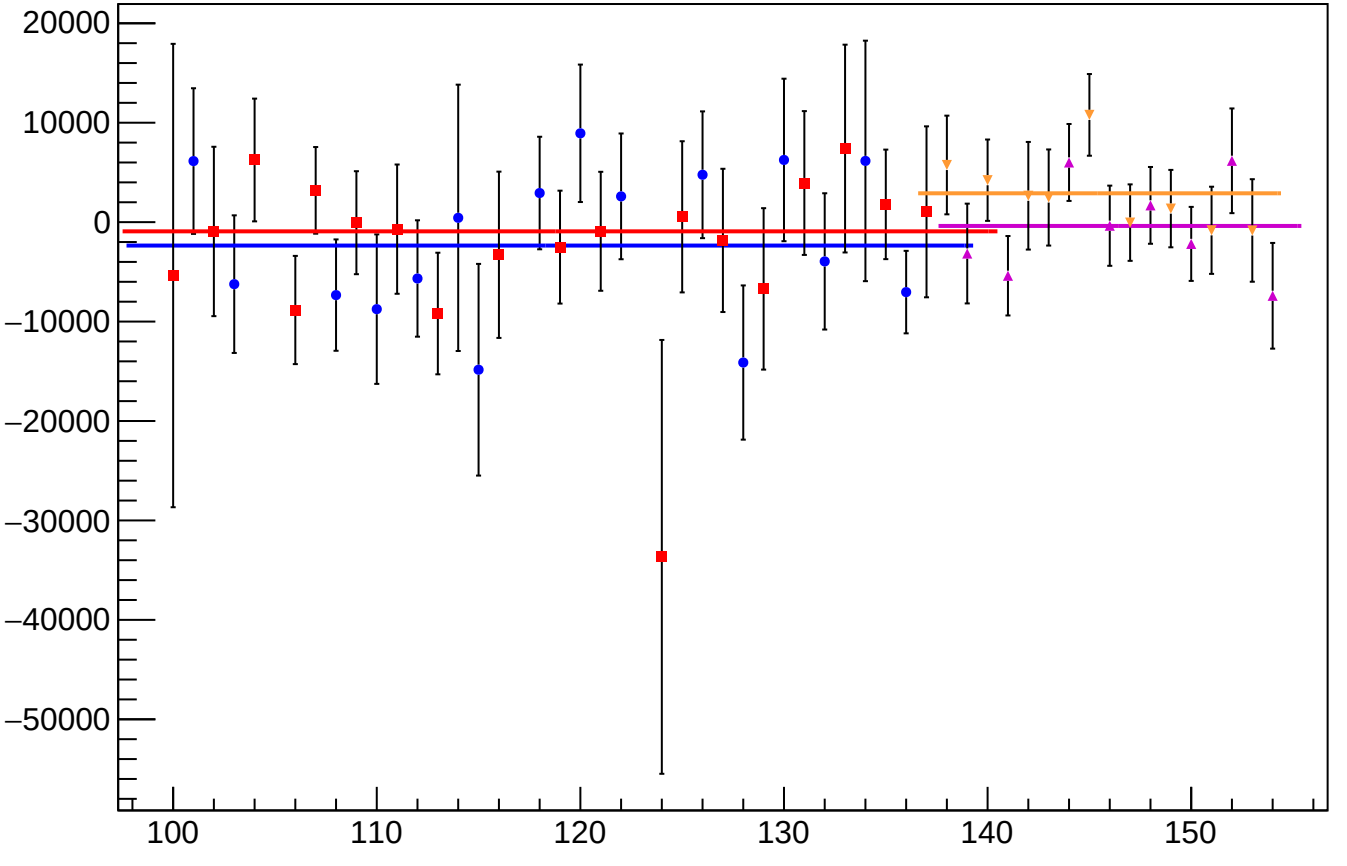
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3838.373+/-0.734 χ^2/NDF:1008100.1/23

Out: 1543.798+/-0.422 χ^2/NDF:15383817.3/27

All: 2113.229+/-0.366 χ^2/NDF: 23740624.0/5

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: -381.754+/-1505.141 χ^2/NDF:8.4/7

Left: 1293.365+/-1053.359 χ^2/NDF: 17.0/16

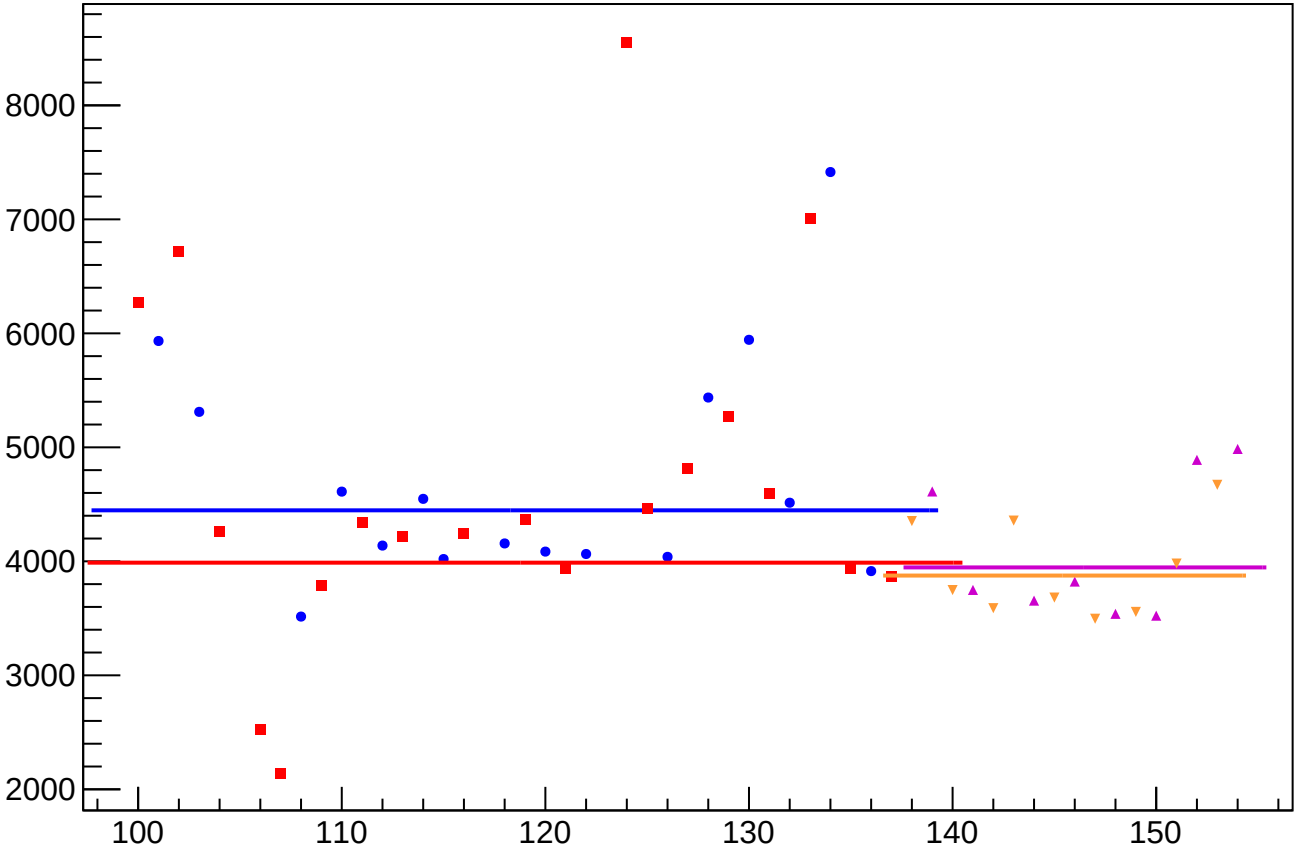
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -1257.537+/-1122.454 χ^2/NDF:24.7/23

Out: 1079.625+/-1067.370 χ^2/NDF:19.9/27

All: -30.203+/-773.485 χ^2/NDF: 46.9/51

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: 3946.578+/-1.064 χ^2/NDF:242149.2/7

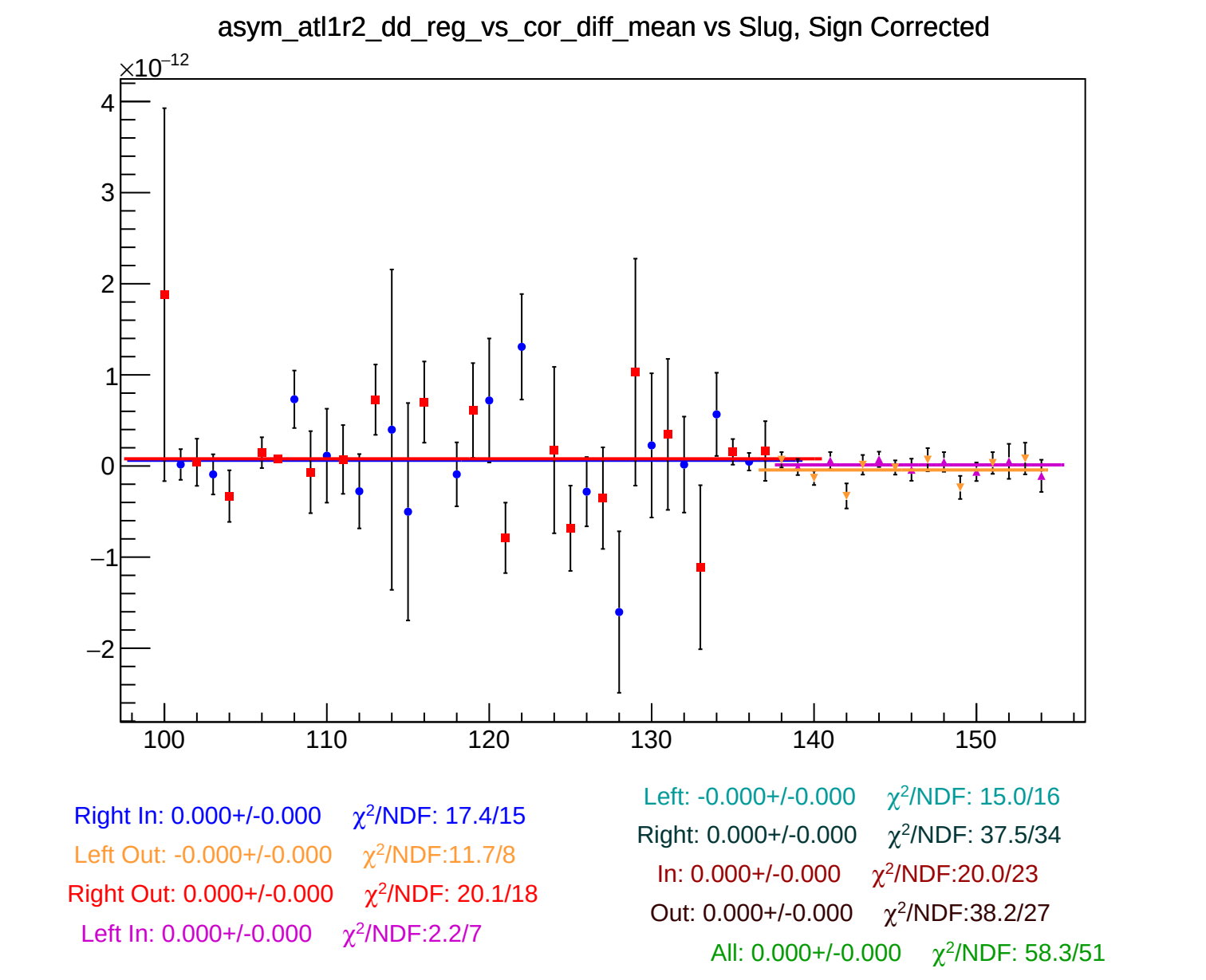
Left: 3910.135+/-0.745 χ^2/NDF: 376501.1/16

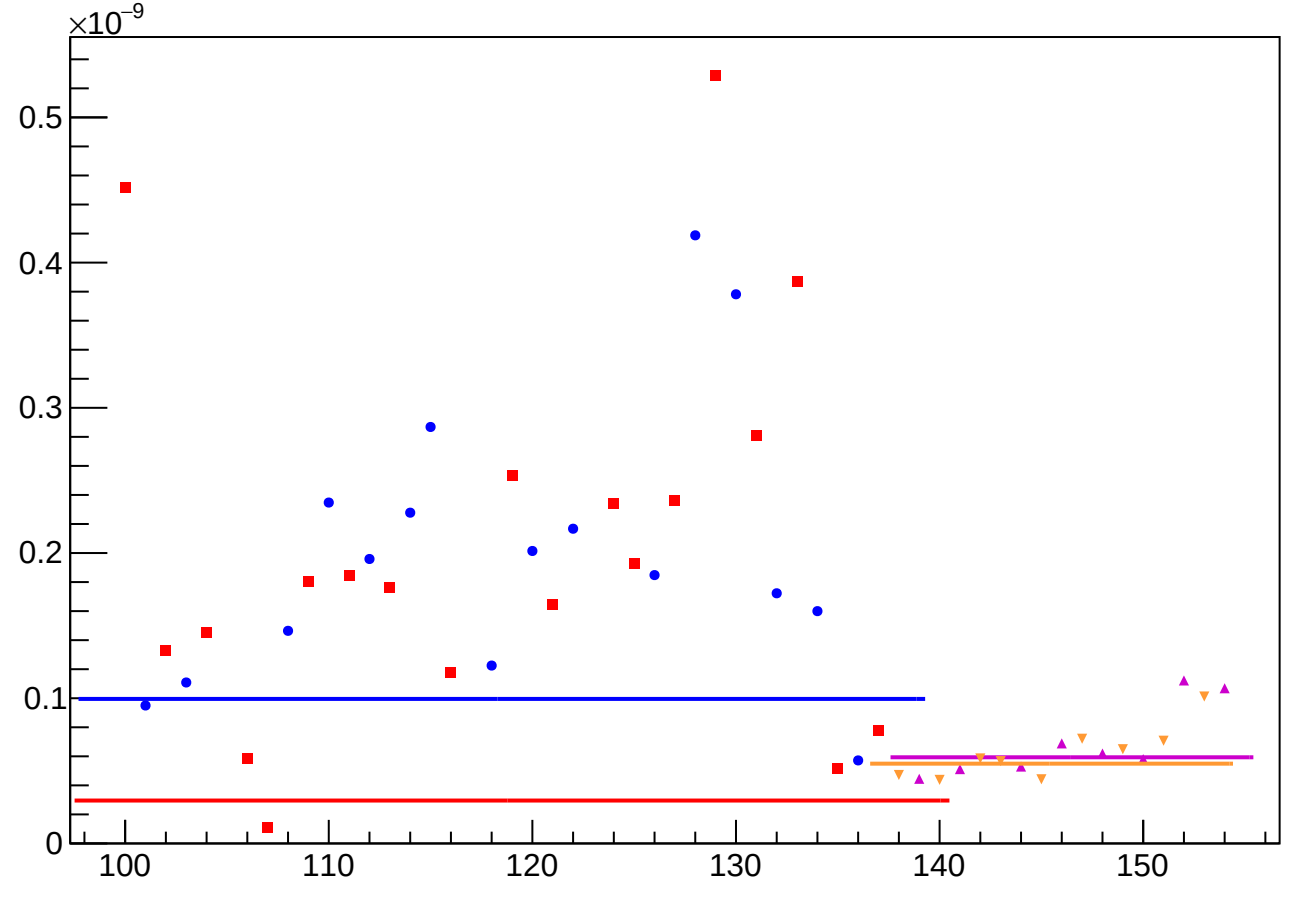
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4168.885+/-0.794 χ^2/NDF:798695.4/23

Out: 3929.562+/-0.751 χ^2/NDF:1281645.5/27

All: 4042.638+/-0.546 χ^2/NDF: 2128302.8/51


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:2.2/7
Left: -0.000+/-0.000 χ²/NDF: 15.0/16
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:20.0/23
Out: 0.000+/-0.000 χ²/NDF:38.2/27
All: 0.000+/-0.000 χ²/NDF: 58.3/51



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:393616.3/7

Left: 0.000+/-0.000 χ^2/NDF: 731165.0/16

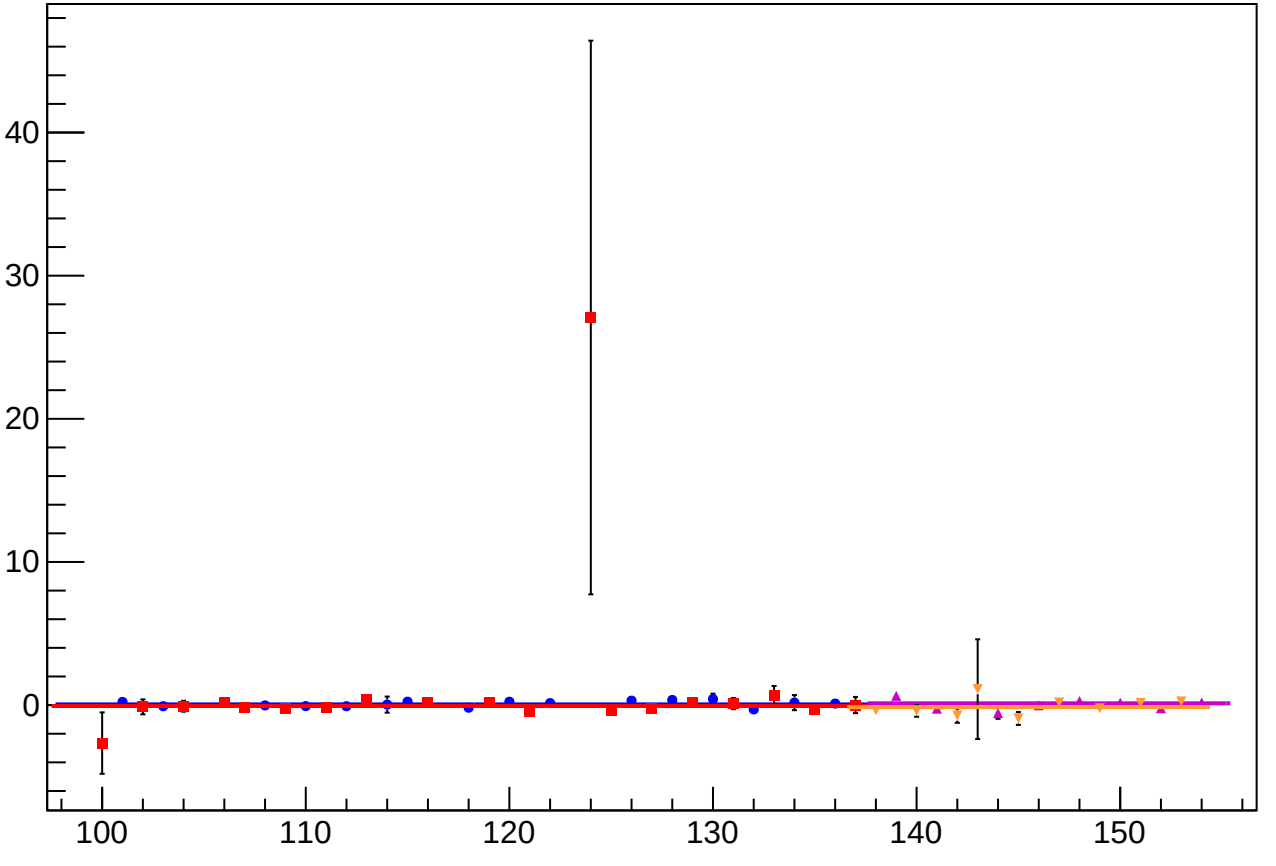
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2487973.5/23

Out: 0.000+/-0.000 χ^2/NDF:5245088.5/27

All: 0.000+/-0.000 χ^2/NDF: 8612070.4/51

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: 0.125+/-0.106 χ^2/NDF:10.5/7

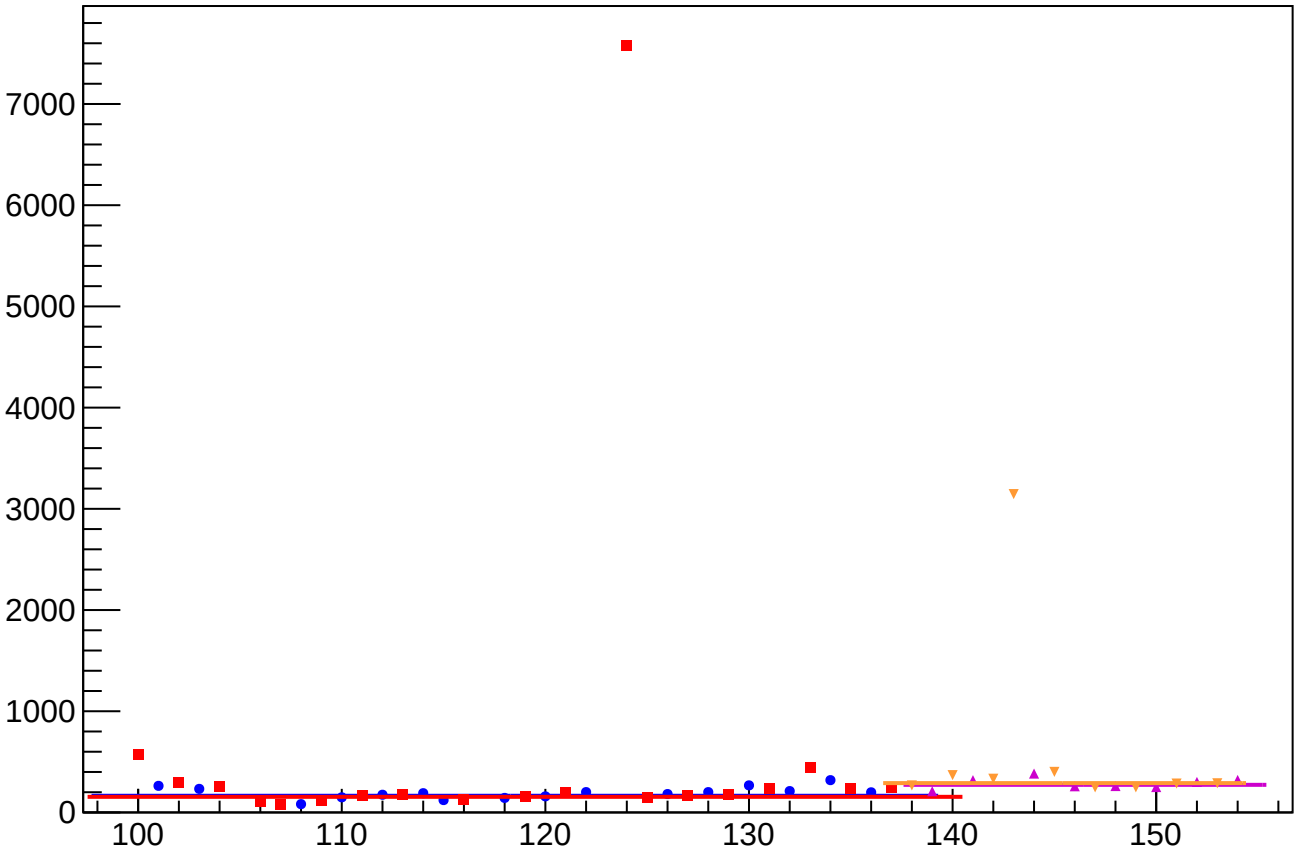
Left: 0.006+/-0.079 χ^2/NDF: 22.8/16

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.070+/-0.056 χ^2/NDF:18.5/23

Out: -0.080+/-0.056 χ^2/NDF:28.2/27

All: -0.005+/-0.040 χ^2/NDF: 50.3/51



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: 272.886+/-0.075 χ^2/NDF:404806.3/7

Left: 280.521+/-0.056 χ^2/NDF: 2091425.7/16

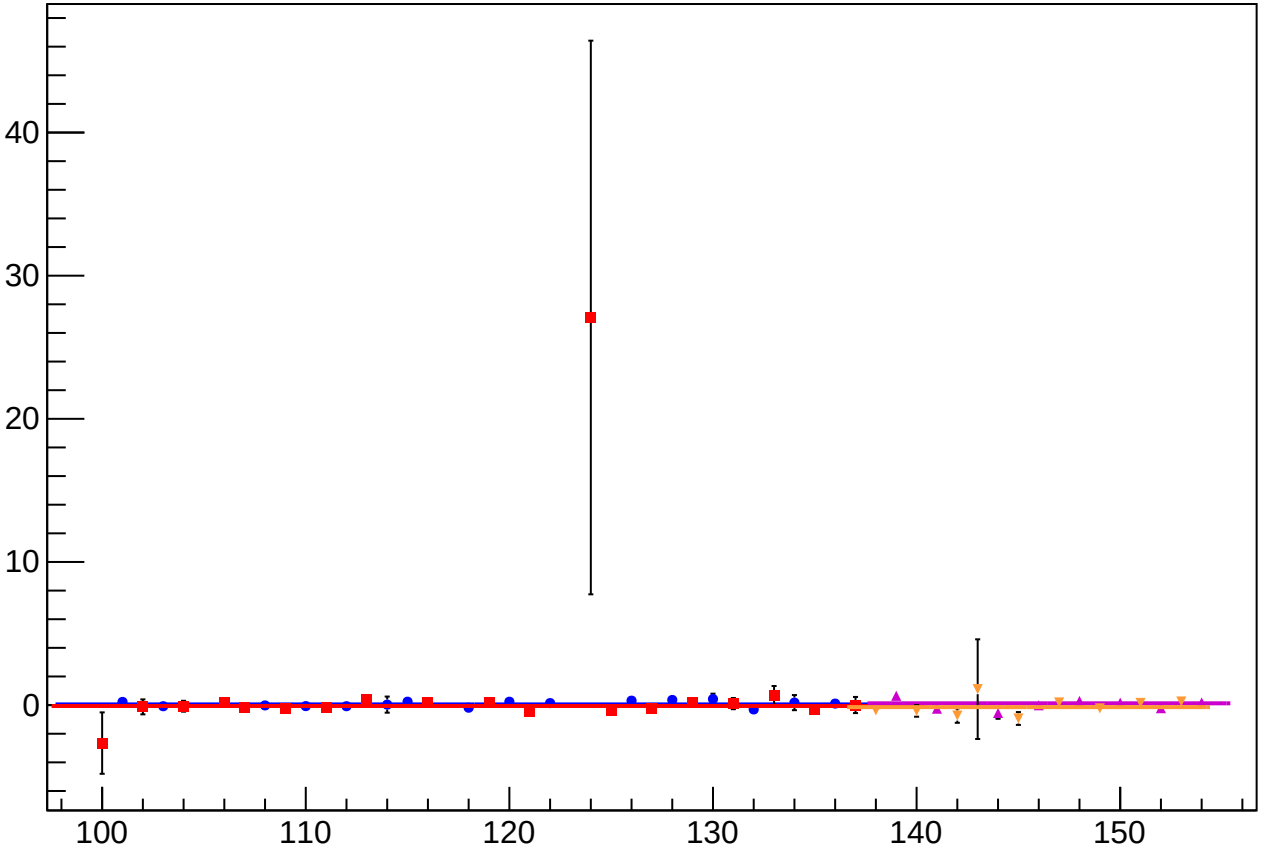
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 195.442+/-0.040 χ^2/NDF:3377695.0/23

Out: 185.689+/-0.040 χ^2/NDF:5630853.7/27

All: 190.587+/-0.028 χ^2/NDF: 9038502.0/51

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: 0.125+/-0.106 χ^2/NDF:10.5/7

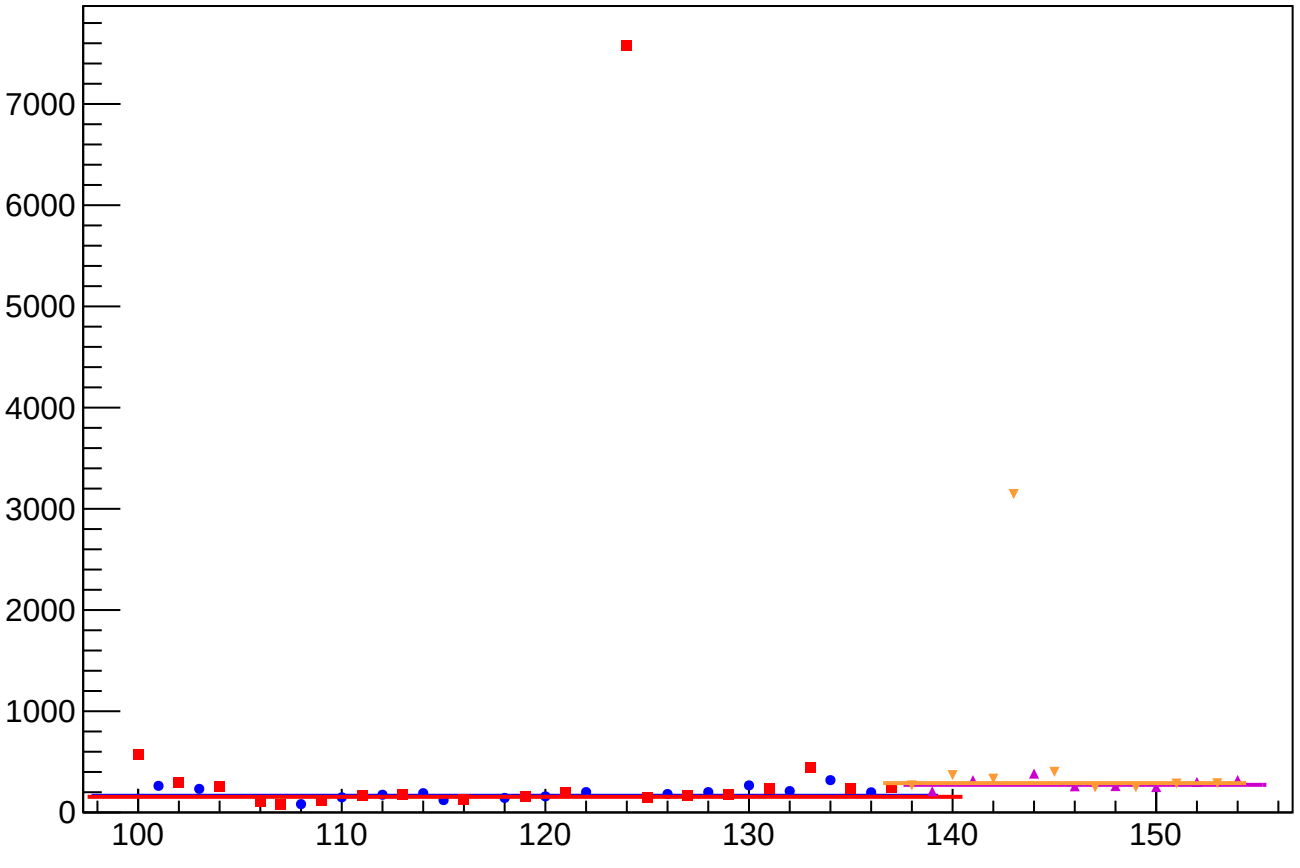
Left: 0.006+/-0.079 χ^2/NDF: 22.8/16

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.070+/-0.056 χ^2/NDF:18.5/23

Out: -0.080+/-0.056 χ^2/NDF:28.2/27

All: -0.005+/-0.040 χ^2/NDF: 50.3/51



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: 272.886+/-0.075 χ^2/NDF:404806.3/7

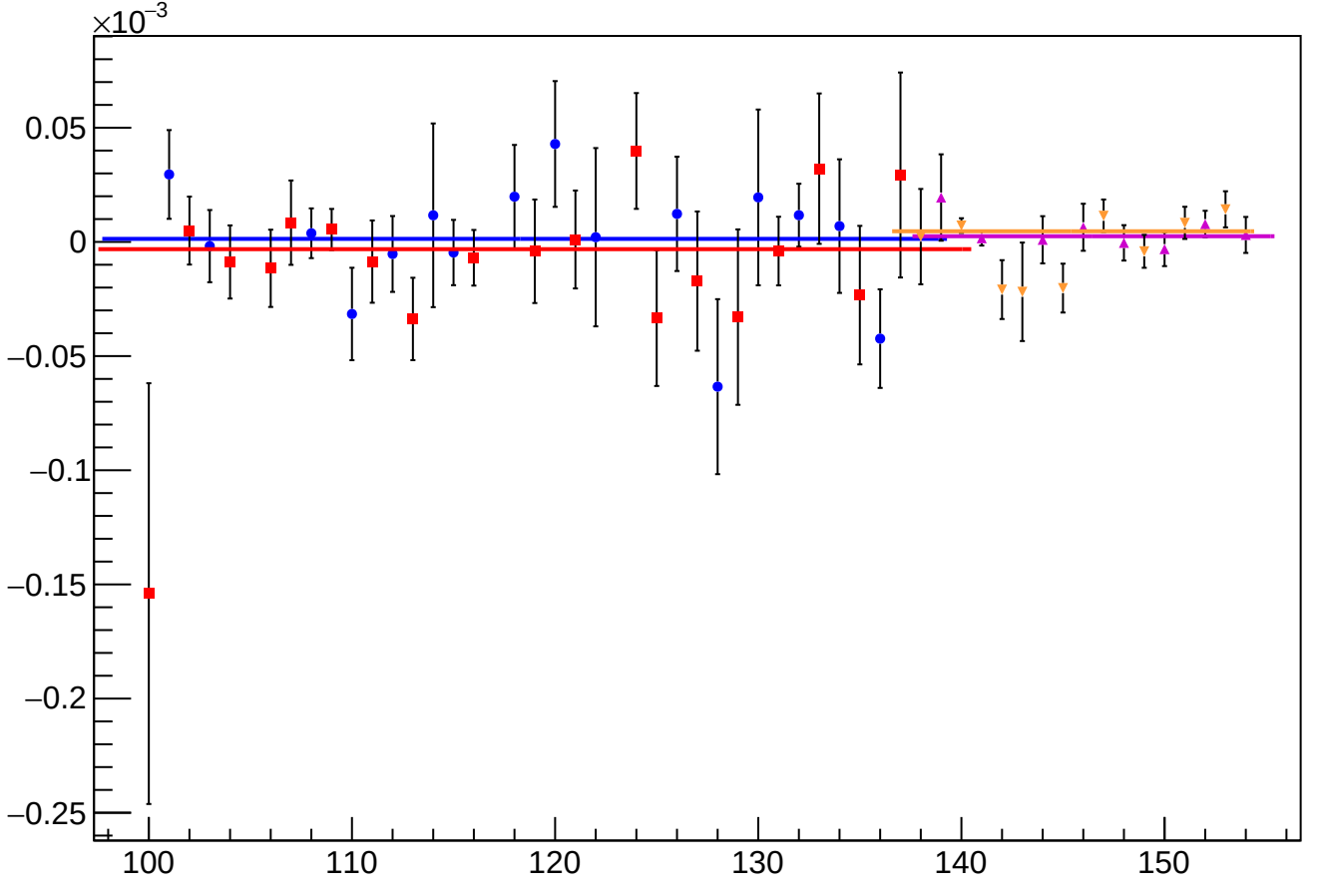
Left: 280.521+/-0.056 χ^2/NDF: 2091425.7/16

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 195.442+/-0.040 χ^2/NDF:3377695.0/23

Out: 185.689+/-0.040 χ^2/NDF:5630853.7/27

All: 190.587+/-0.028 χ^2/NDF: 9038502.0/51



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:2.6/7

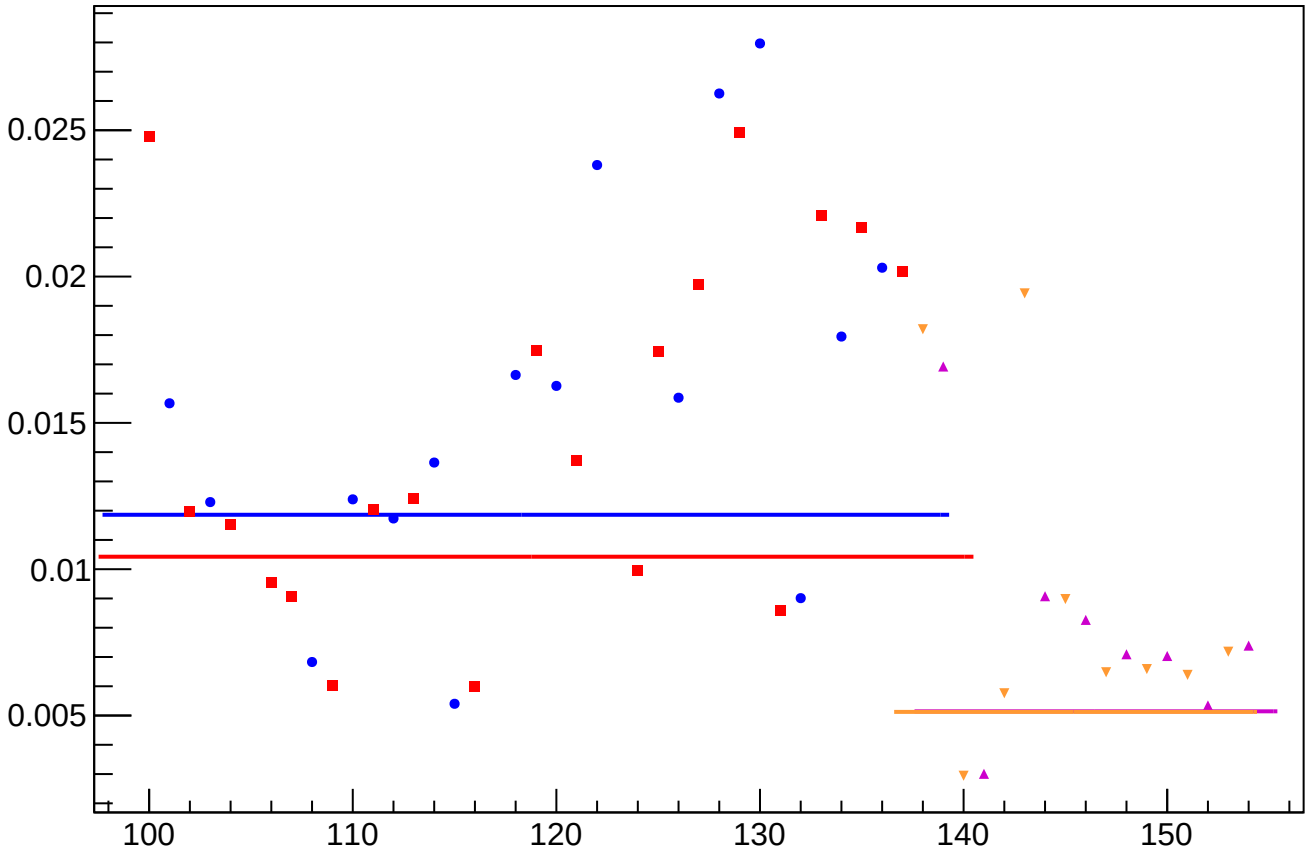
Left: 0.000+/-0.000 χ^2/NDF: 18.7/16

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:18.8/23

Out: 0.000+/-0.000 χ^2/NDF:32.9/27

All: 0.000+/-0.000 χ^2/NDF: 51.7/51



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:2557844.7/7

Left: 0.005+/-0.000 χ^2/NDF: 5763798.1/16

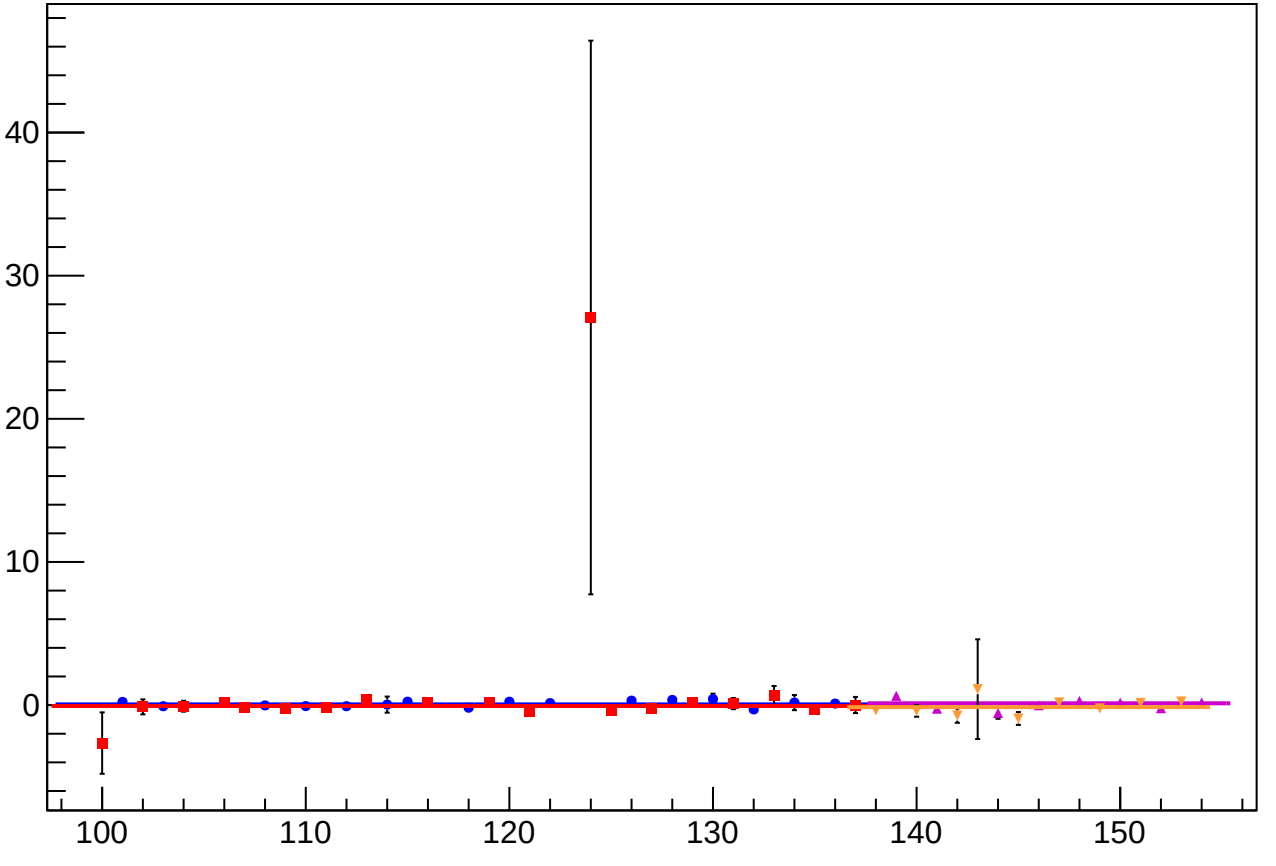
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:8100336.1/23

Out: 0.006+/-0.000 χ^2/NDF:7986125.3/27

All: 0.006+/-0.000 χ^2/NDF: 16086466.6/51

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: 0.125+/-0.106 χ^2/NDF:10.5/7

Left: 0.006+/-0.079 χ^2/NDF: 22.8/16

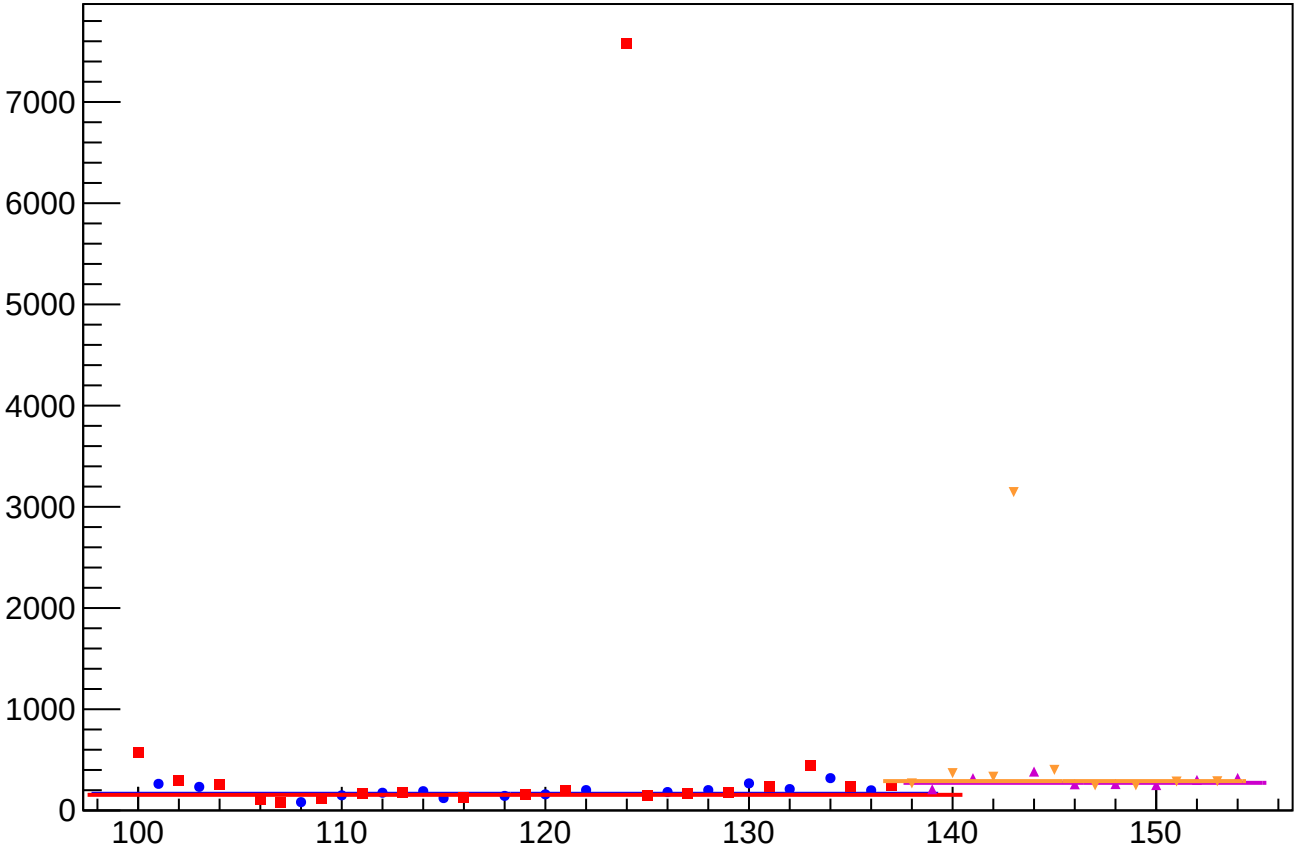
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.070+/-0.056 χ^2/NDF:18.5/23

Out: -0.080+/-0.056 χ^2/NDF:28.2/27

All: -0.005+/-0.040 χ^2/NDF: 50.3/51

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: 272.889+/-0.075 χ^2/NDF:404780.7/7

Left: 280.524+/-0.056 χ^2/NDF: 2091380.1/16

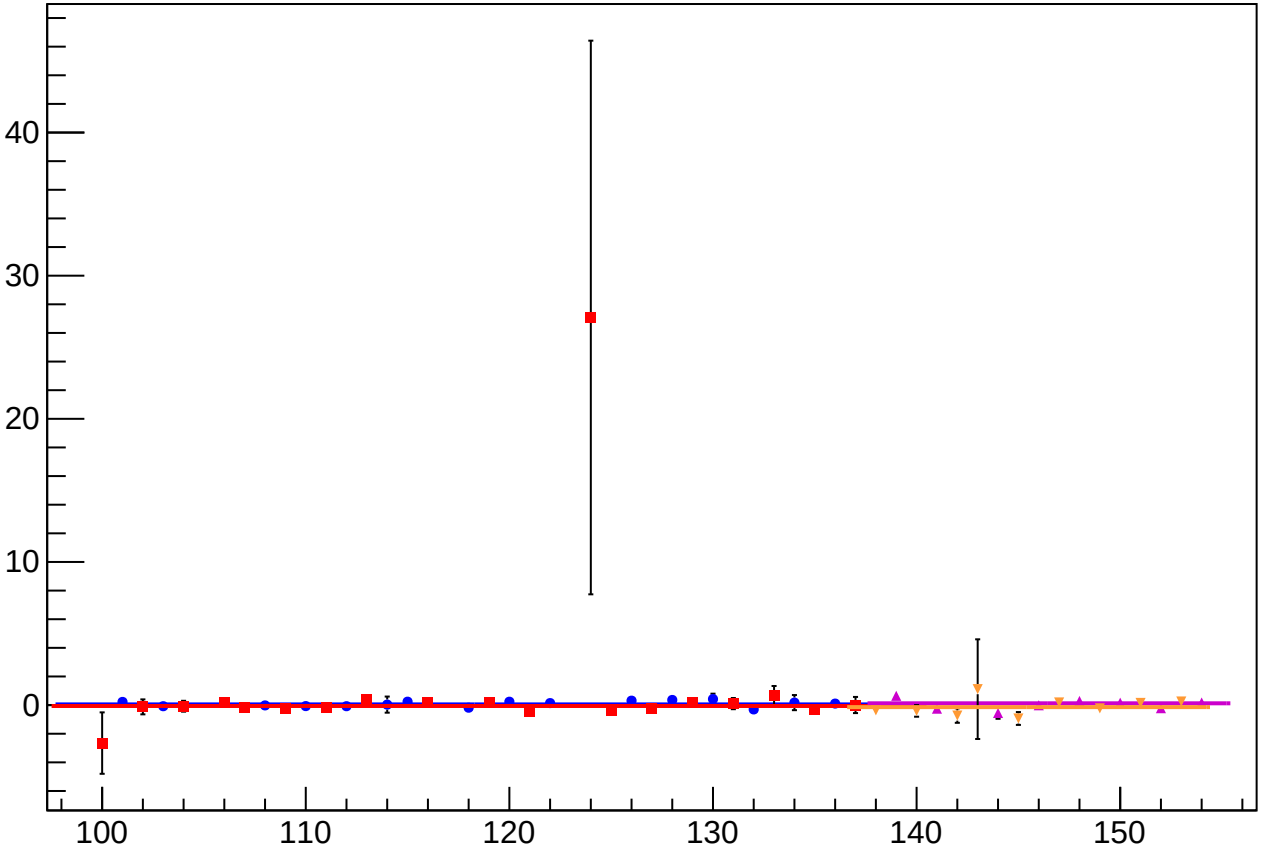
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 195.442+/-0.040 χ^2/NDF:3377720.8/23

Out: 185.689+/-0.040 χ^2/NDF:5630939.4/27

All: 190.587+/-0.028 χ^2/NDF: 9038614.4/51

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: 0.125+/-0.106 χ^2/NDF:10.5/7

Left: 0.006+/-0.079 χ^2/NDF: 22.8/16

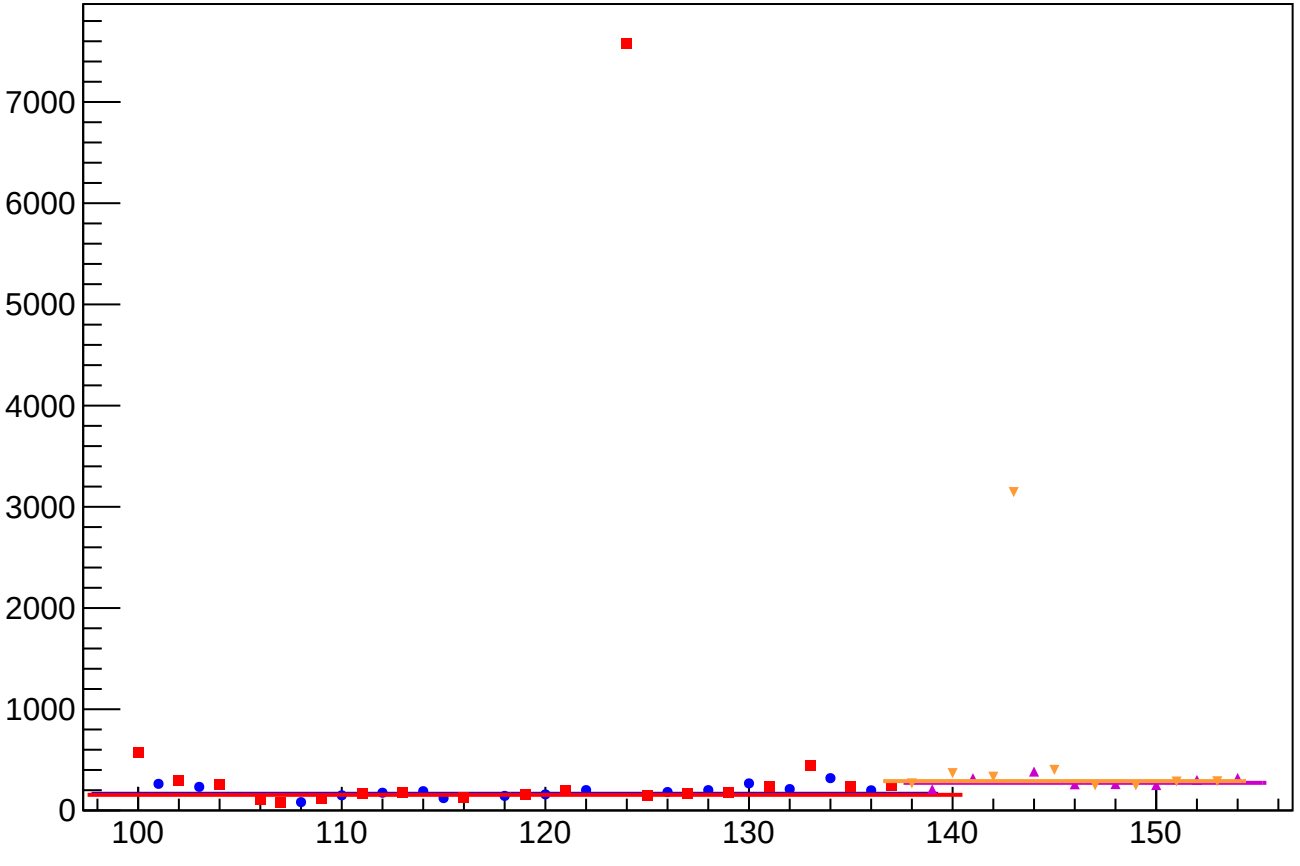
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.070+/-0.056 χ^2/NDF:18.5/23

Out: -0.080+/-0.056 χ^2/NDF:28.2/27

All: -0.005+/-0.040 χ^2/NDF: 50.3/51

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: 272.889+/-0.075 χ^2/NDF:404780.7/7

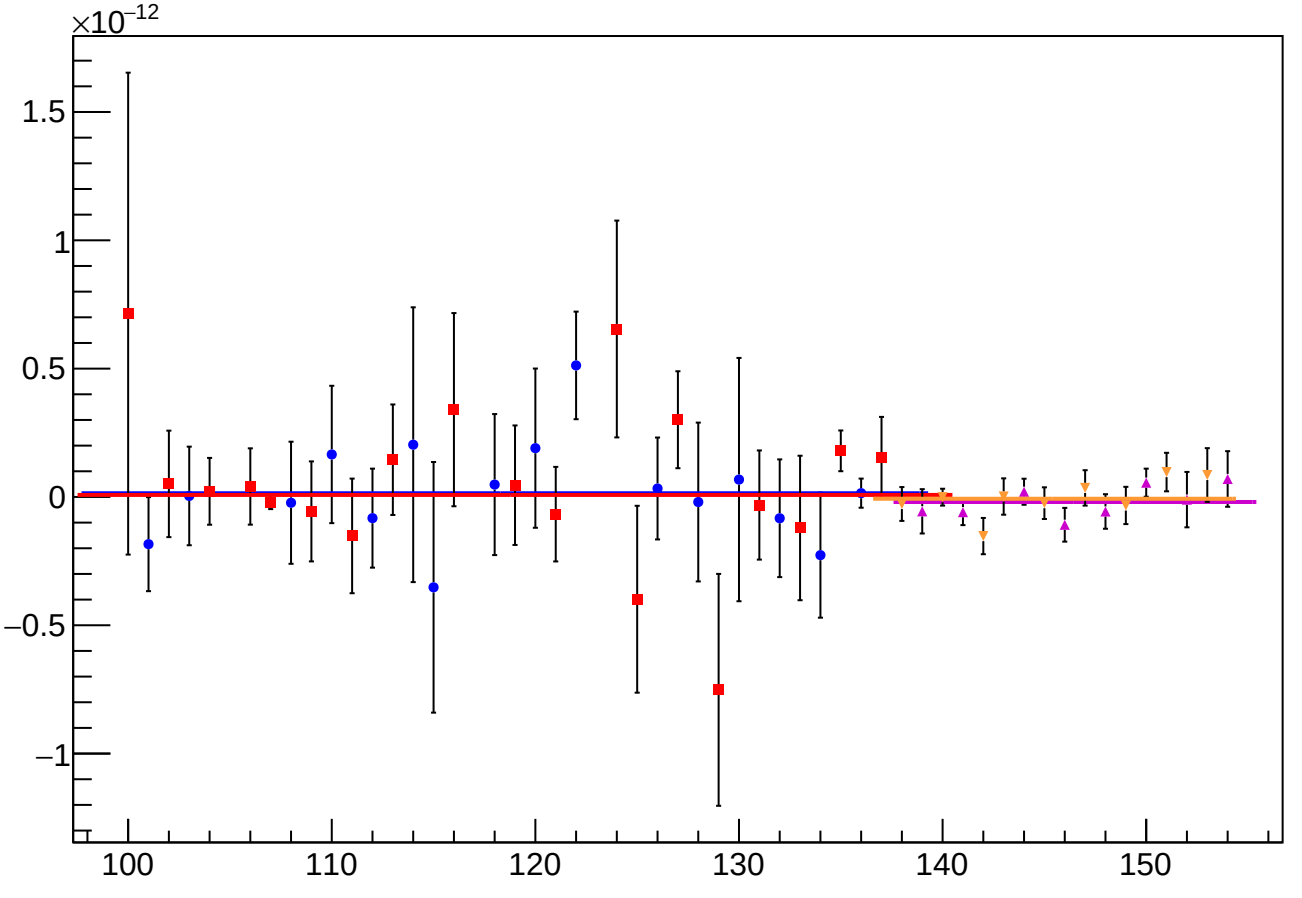
Left: 280.524+/-0.056 χ^2/NDF: 2091380.1/16

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 195.442+/-0.040 χ^2/NDF:3377720.8/23

Out: 185.689+/-0.040 χ^2/NDF:5630939.4/27

All: 190.587+/-0.028 χ^2/NDF: 9038614.4/51



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:6.1/7

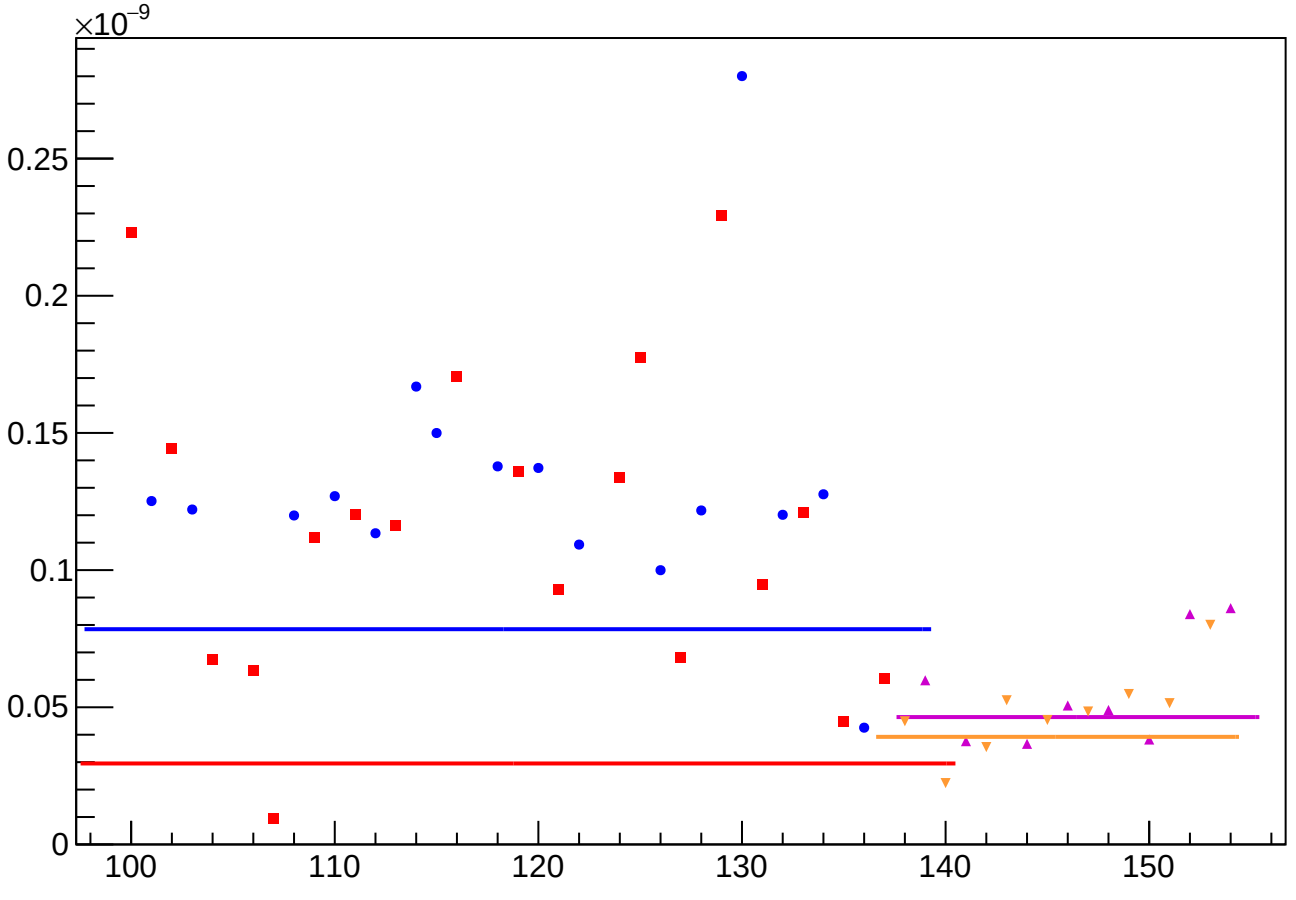
Left: -0.000+/-0.000 χ^2/NDF: 14.0/16

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:16.2/23

Out: -0.000+/-0.000 χ^2/NDF:26.3/27

All: -0.000+/-0.000 χ^2/NDF: 42.7/51



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:748769.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1985471.2/16

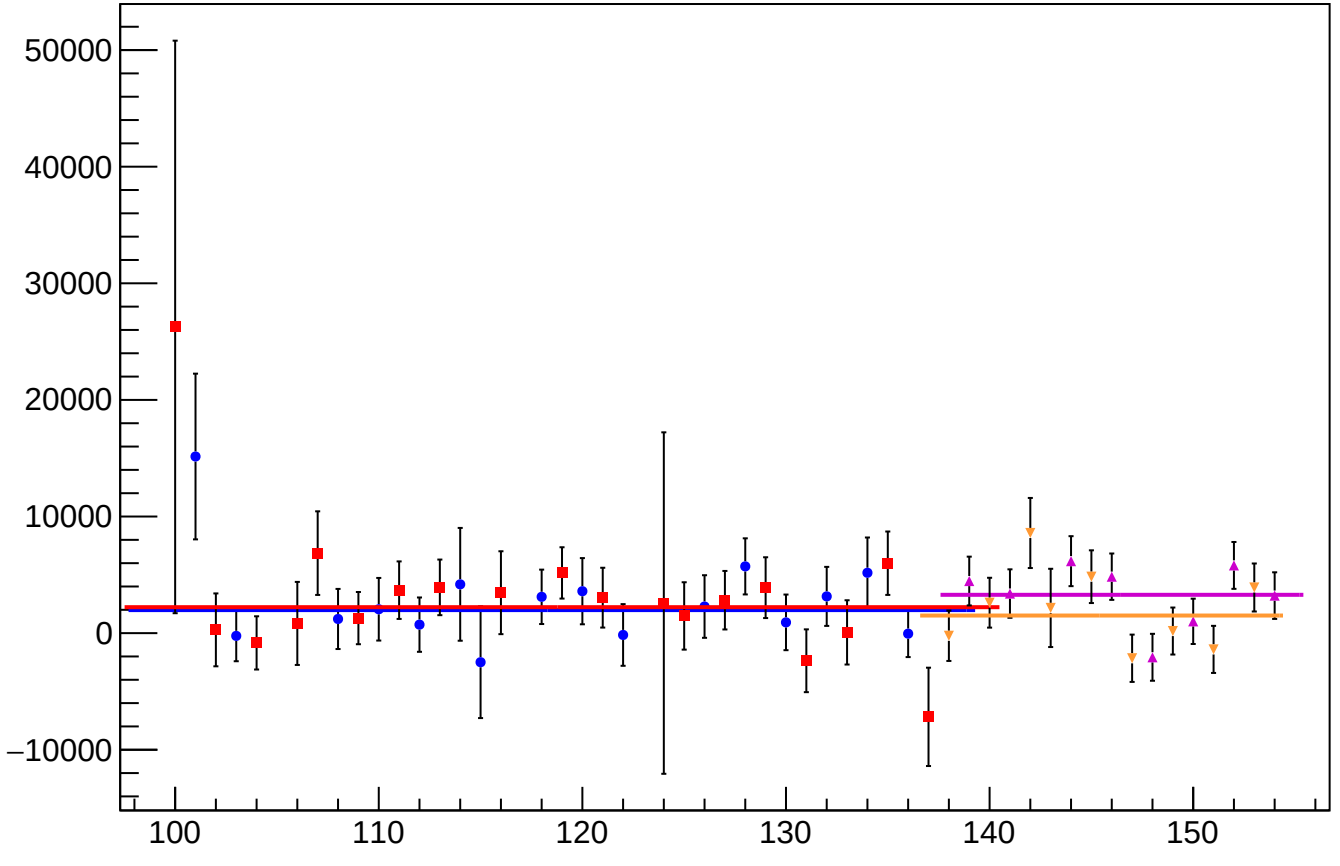
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3731175.8/23

Out: 0.000+/-0.000 χ^2/NDF:6815853.5/27

All: 0.000+/-0.000 χ^2/NDF: 11646096.2/51

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: 3286.203+/-717.730 χ^2/NDF:12.8/7

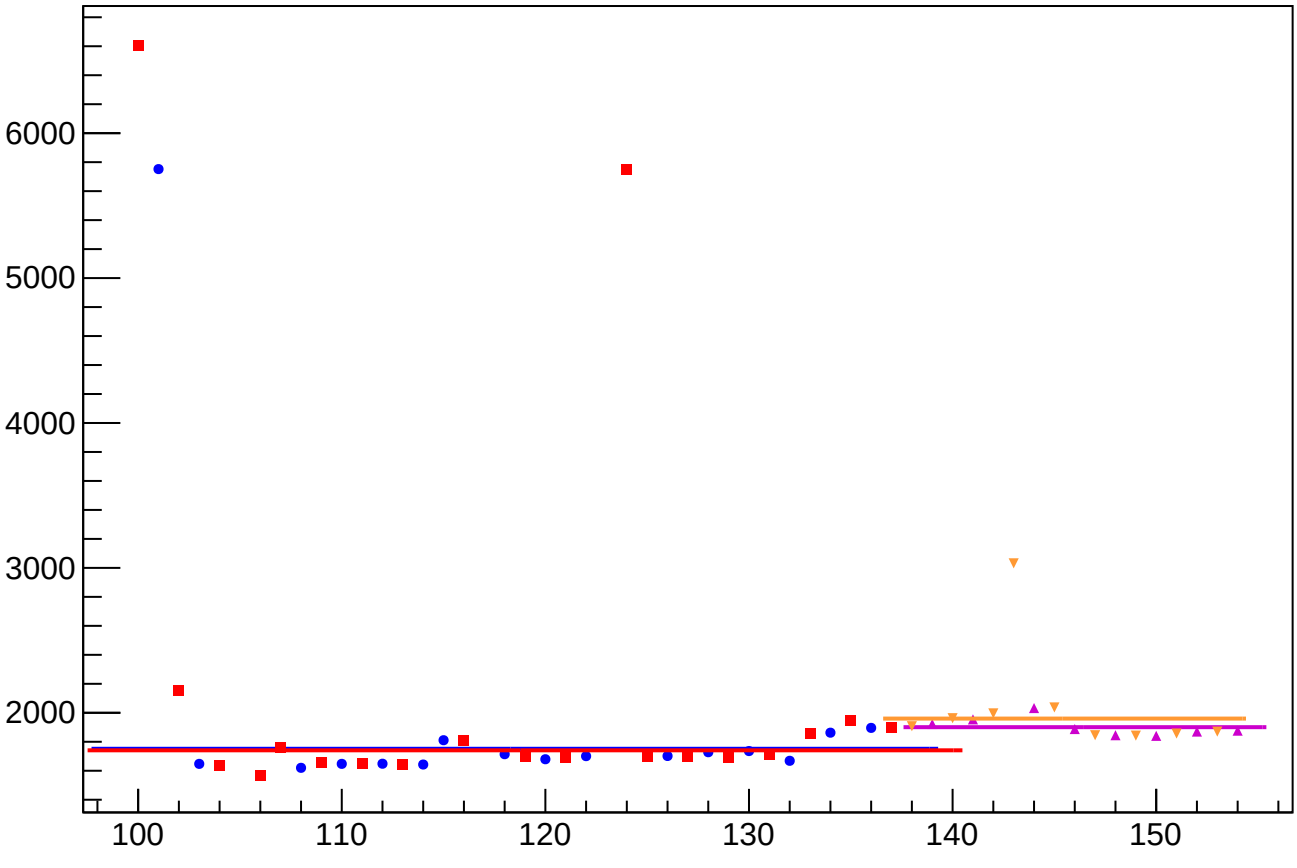
Left: 2431.894+/-517.054 χ^2/NDF: 31.5/16

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2584.019+/-488.870 χ^2/NDF:26.7/23

Out: 1913.561+/-492.605 χ^2/NDF:35.3/27

All: 2251.342+/-346.996 χ^2/NDF: 62.9/51



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: 1900.726+/-0.508 χ^2/NDF:13402.4/7

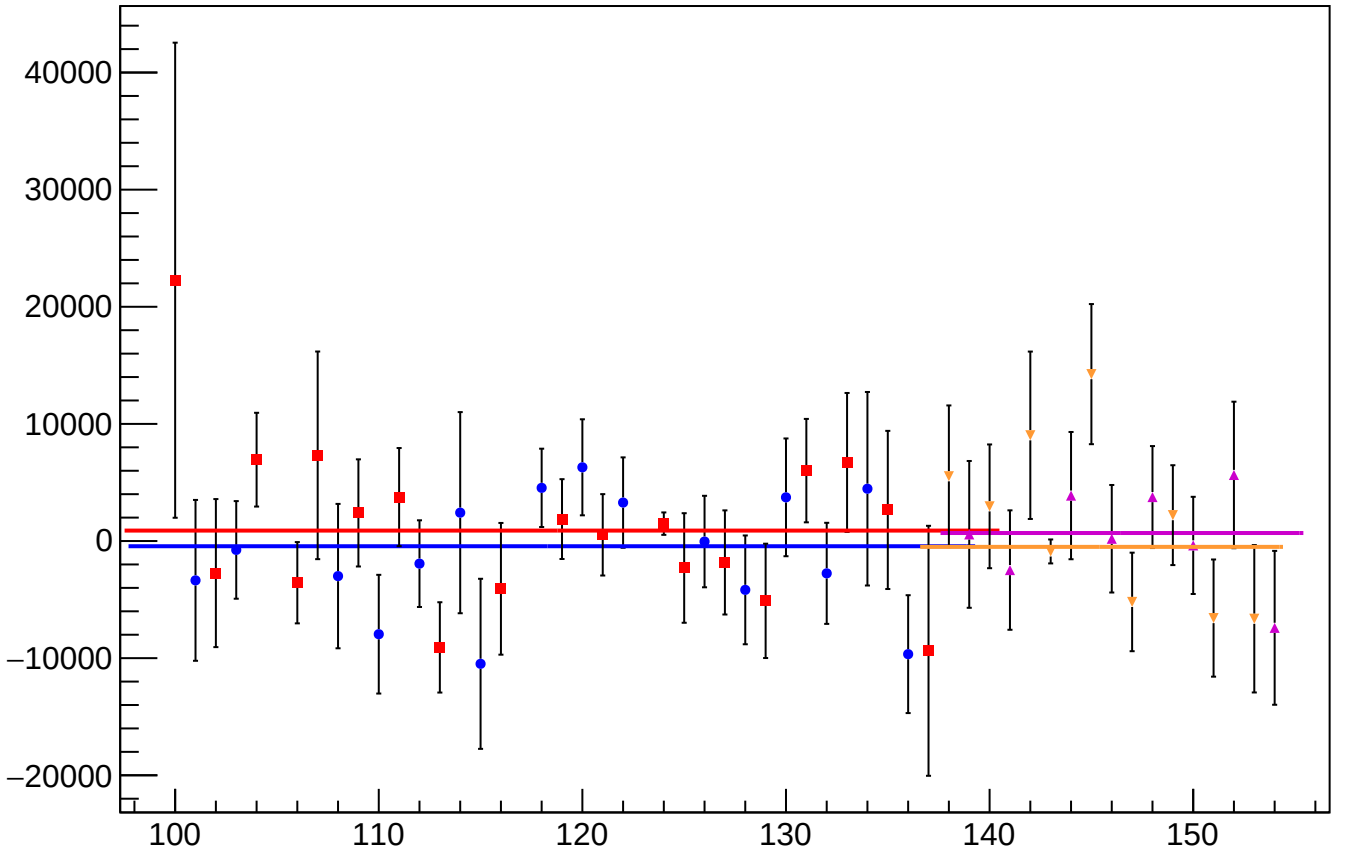
Left: 1929.259+/-0.366 χ^2/NDF: 249944.7/16

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1820.789+/-0.346 χ^2/NDF:730332.8/23

Out: 1835.871+/-0.347 χ^2/NDF:632480.1/27

All: 1828.304+/-0.245 χ^2/NDF: 1363761.4/51



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -498.588+/-896.545 χ^2/NDF:13.5/8

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 684.574+/-1811.027 χ^2/NDF:3.5/7

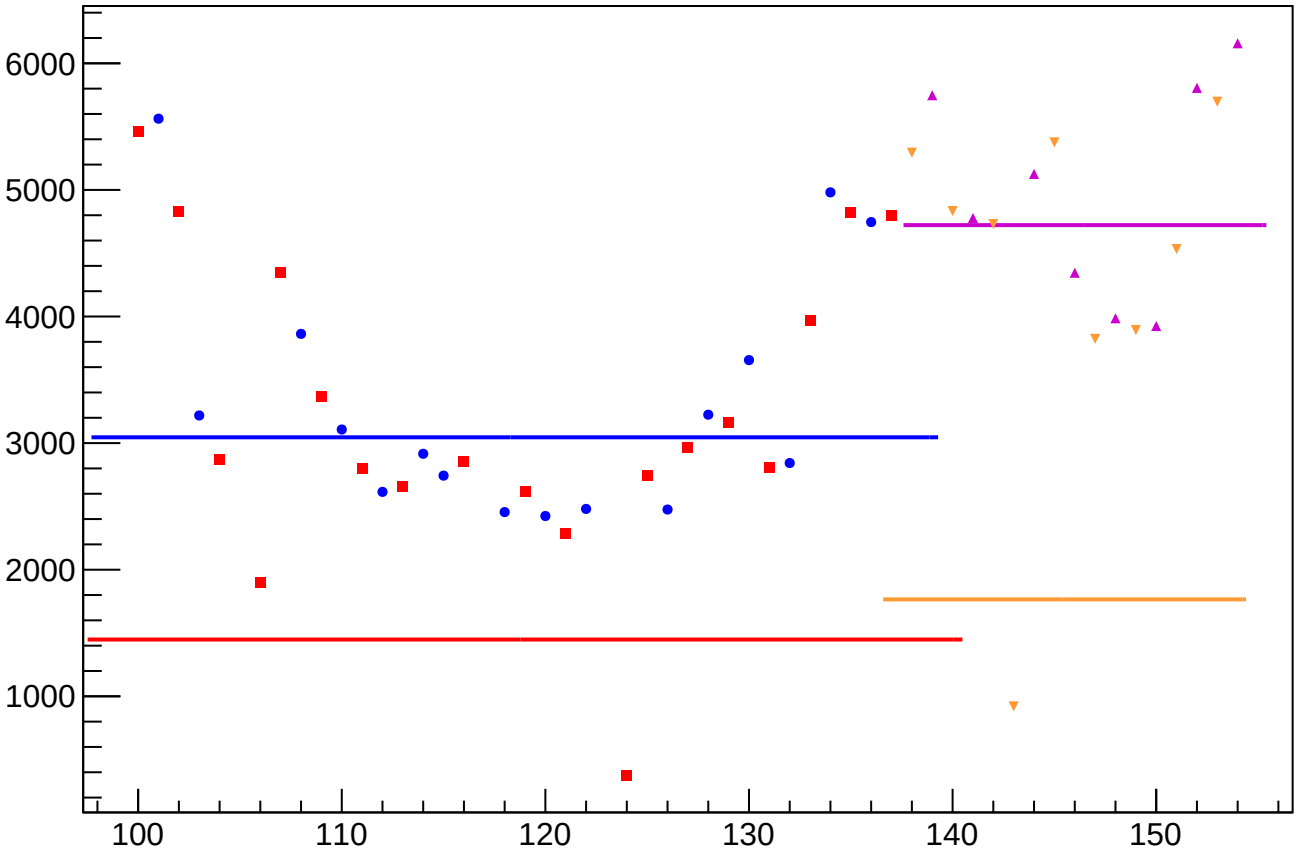
Left: -265.702+/-803.479 χ^2/NDF: 17.3/16

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -110.081+/-985.384 χ^2/NDF:19.7/23

Out: 341.657+/-564.087 χ^2/NDF:35.0/27

All: 230.159+/-489.548 χ^2/NDF: 54.9/51



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: 4721.905+/-1.281 χ^2/NDF:365090.9/7

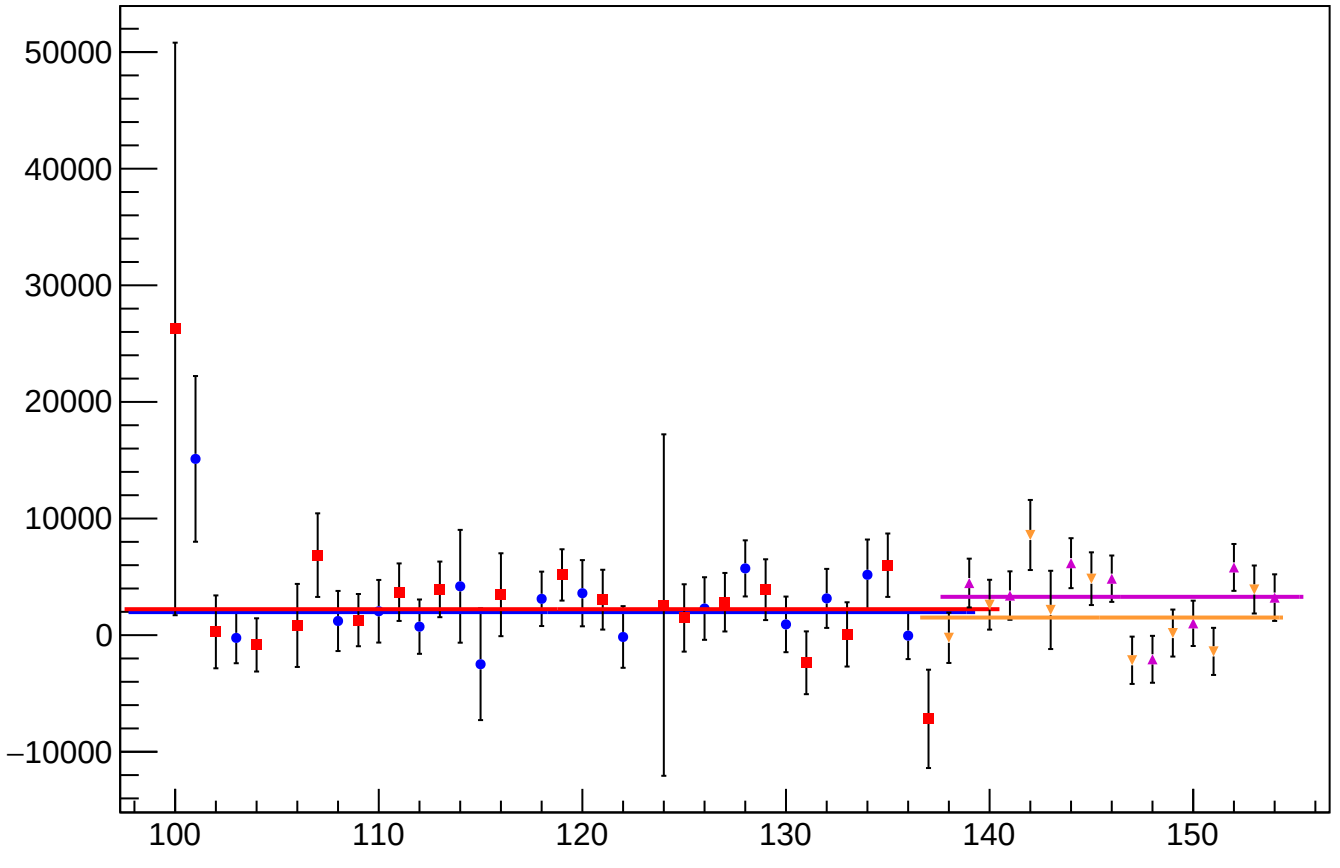
Left: 2347.467+/-0.568 χ^2/NDF: 10809785.7/16

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3542.089+/-0.697 χ^2/NDF:2478248.1/23

Out: 1574.024+/-0.399 χ^2/NDF:13102195.7/27

All: 2059.781+/-0.346 χ^2/NDF: 21589368.5/5



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: 3286.401+/-717.730 χ^2/NDF:12.8/7

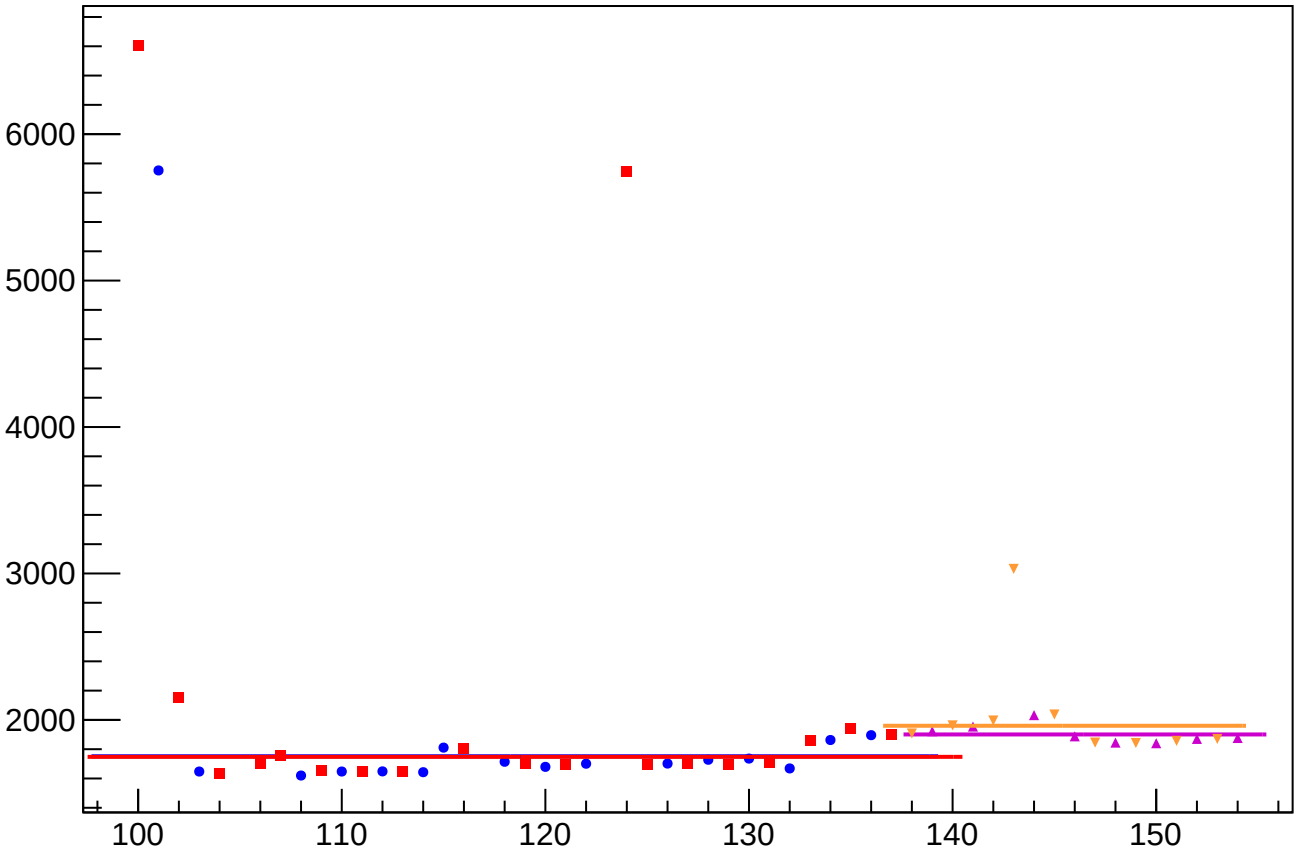
Left: 2431.996+/-517.054 χ^2/NDF: 31.5/16

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2583.922+/-488.870 χ^2/NDF:26.7/23

Out: 1913.614+/-492.605 χ^2/NDF:35.3/27

All: 2251.319+/-346.996 χ^2/NDF: 62.9/51



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: 1900.726+/-0.508 χ^2/NDF:13402.4/7

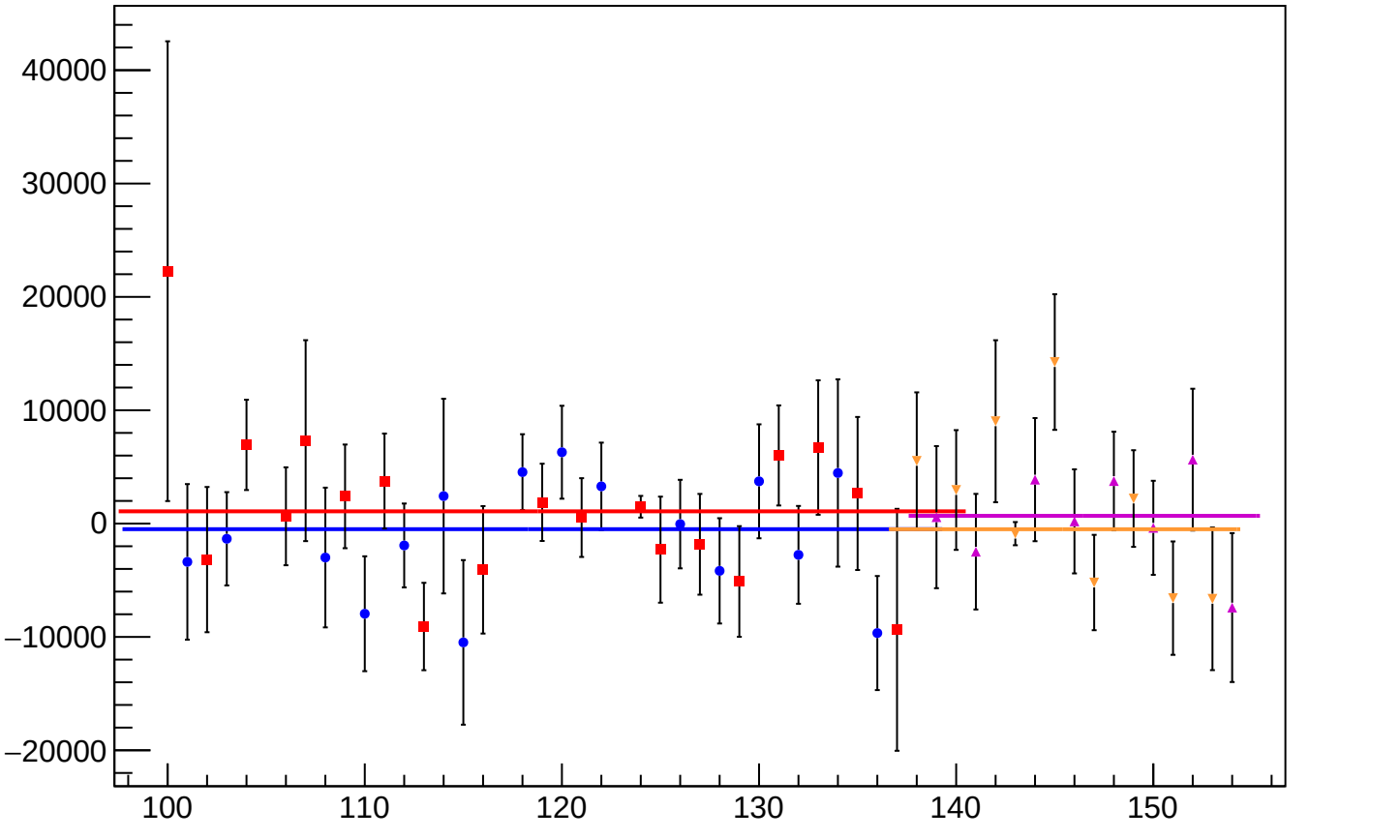
Left: 1929.259+/-0.366 χ^2/NDF: 249944.7/16

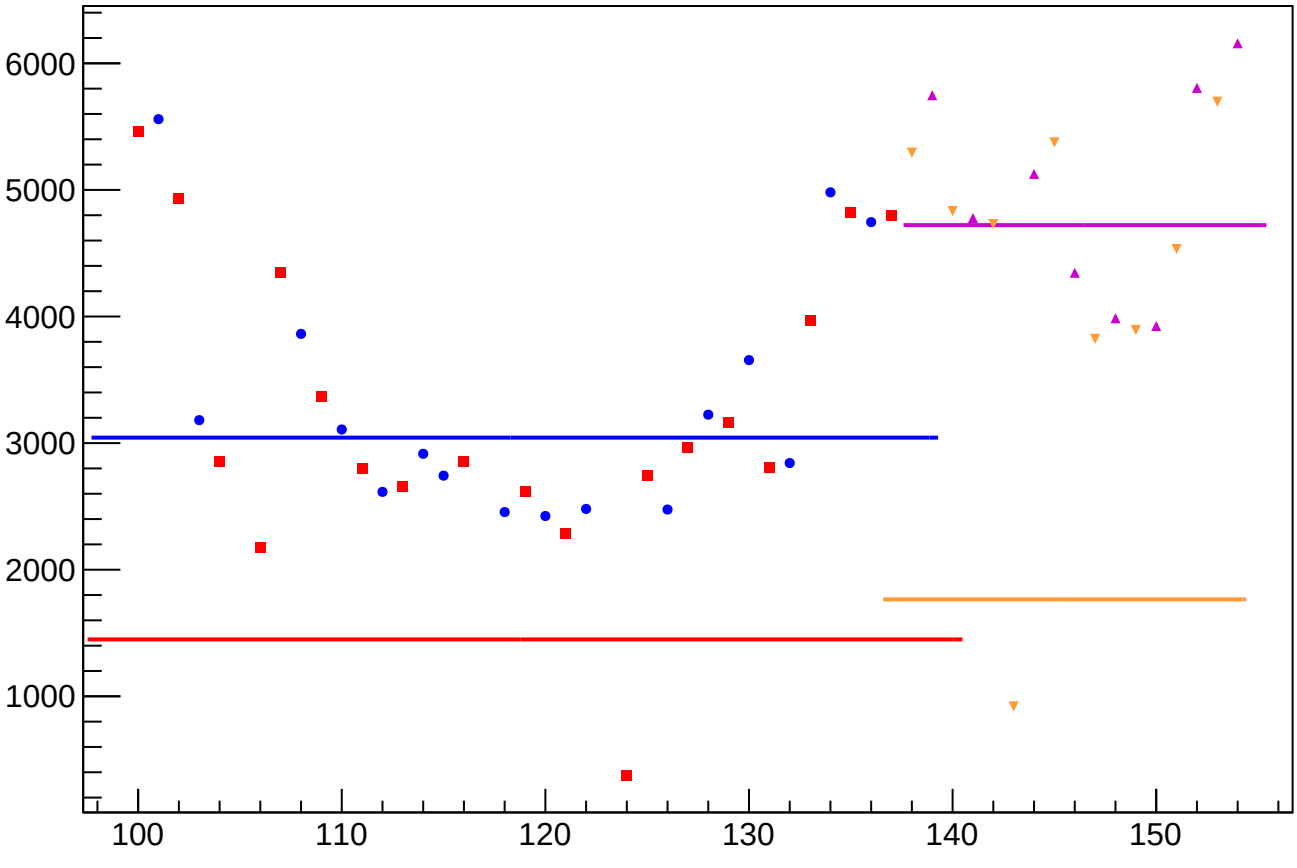
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1820.789+/-0.346 χ^2/NDF:730333.3/23

Out: 1840.068+/-0.348 χ^2/NDF:619527.9/27

All: 1830.376+/-0.245 χ^2/NDF: 1351407.8/51


asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -492.916+/-1173.239 χ²/NDF: 16.0/15
Left Out: -498.404+/-896.516 χ²/NDF:13.5/8
Right Out: 1080.924+/-731.458 χ²/NDF: 18.5/18
Left In: 684.649+/-1811.026 χ²/NDF:3.5/7
Left: -265.551+/-803.459 χ²/NDF: 17.3/16
Right: 640.409+/-620.707 χ²/NDF: 35.7/34
In: -144.806+/-984.670 χ²/NDF:19.7/23
Out: 449.757+/-566.754 χ²/NDF:33.8/27
All: 301.801+/-491.200 χ²/NDF: 53.8/51



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: 4721.904+/-1.281 χ^2/NDF:365089.1/7

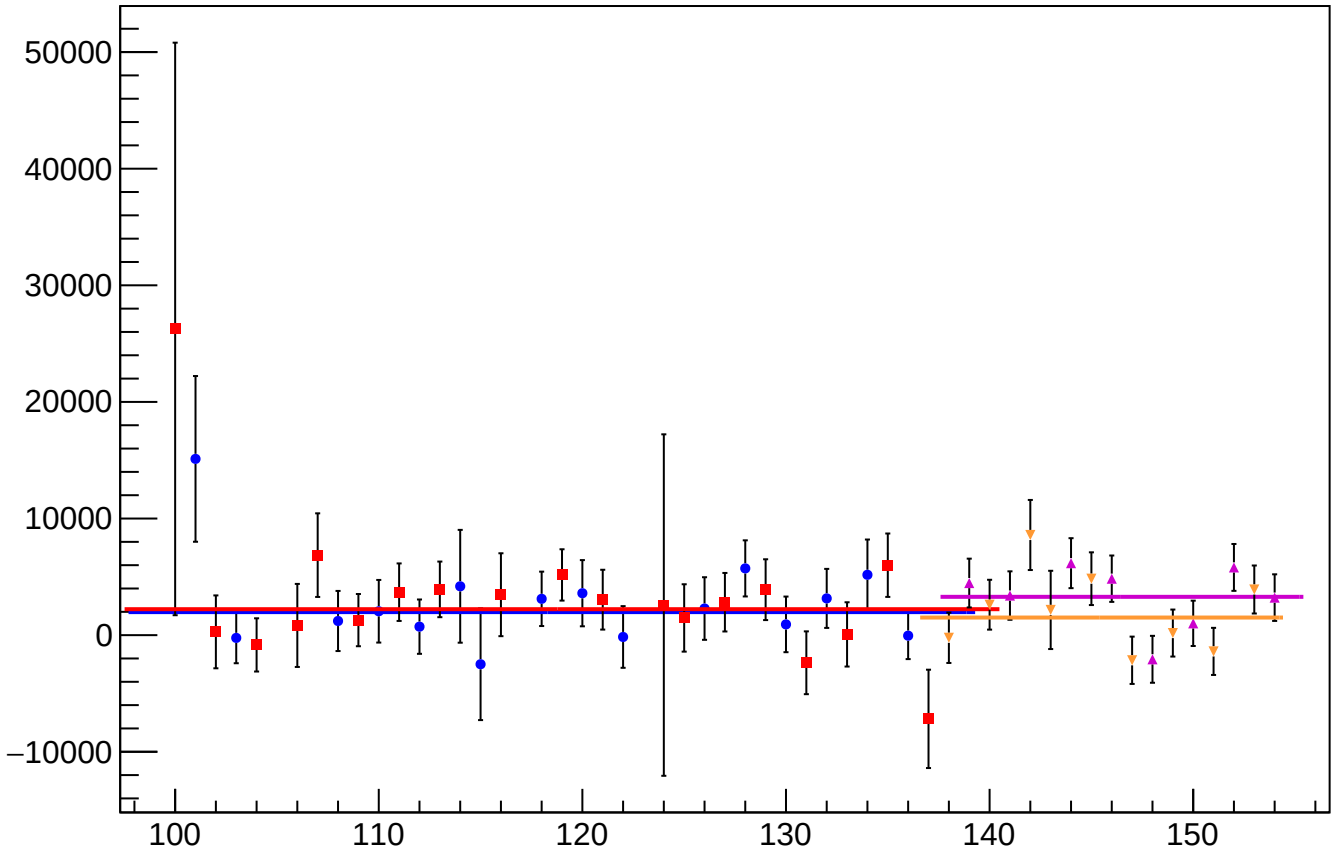
Left: 2347.372+/-0.568 χ^2/NDF: 10810298.3/16

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3539.505+/-0.696 χ^2/NDF:2481069.7/23

Out: 1575.787+/-0.401 χ^2/NDF:13139254.4/27

All: 2064.455+/-0.347 χ^2/NDF: 21595281.5/5



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: 3286.401+/-717.730 χ^2/NDF:12.8/7

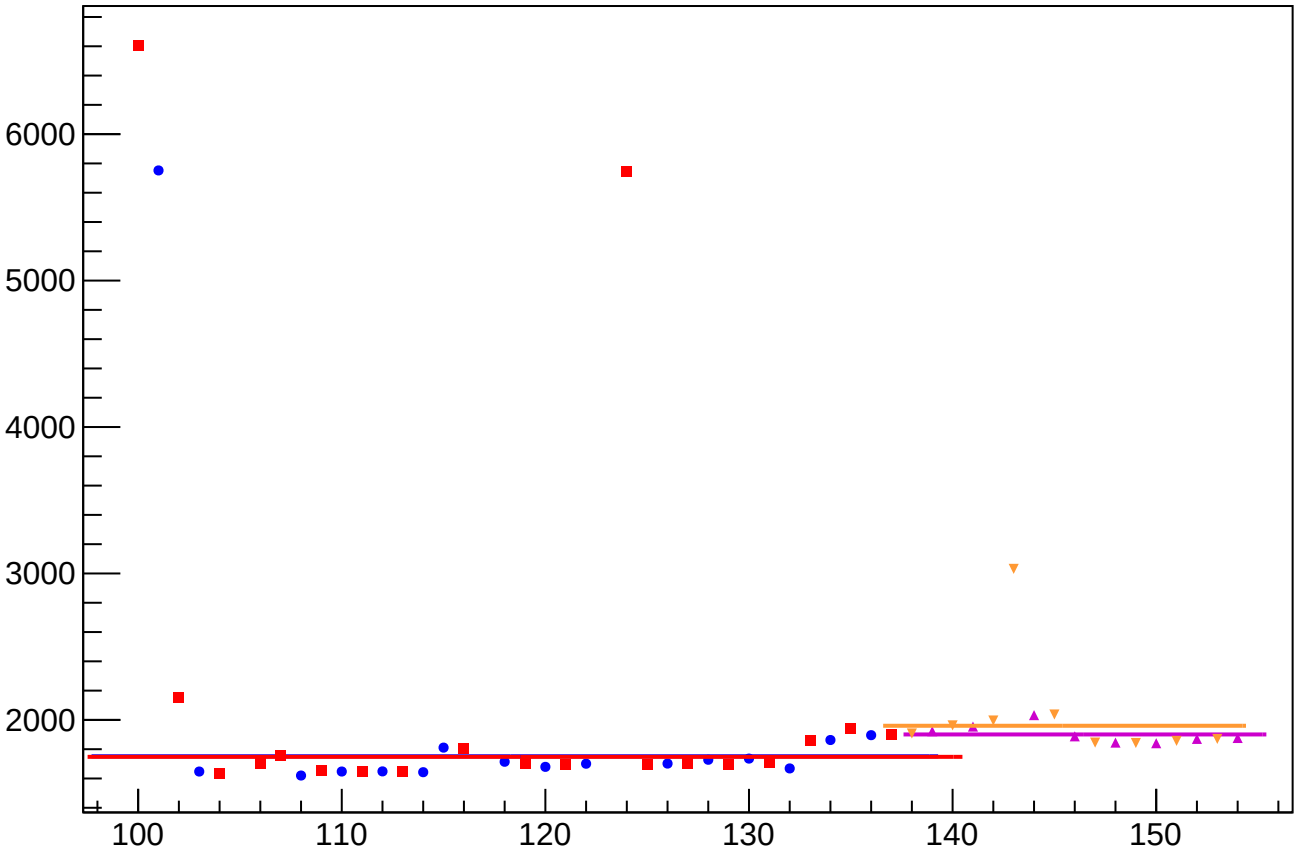
Left: 2431.996+/-517.054 χ^2/NDF: 31.5/16

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2583.922+/-488.870 χ^2/NDF:26.7/23

Out: 1913.614+/-492.605 χ^2/NDF:35.3/27

All: 2251.319+/-346.996 χ^2/NDF: 62.9/51



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: 1900.726+/-0.508 χ^2/NDF:13402.4/7

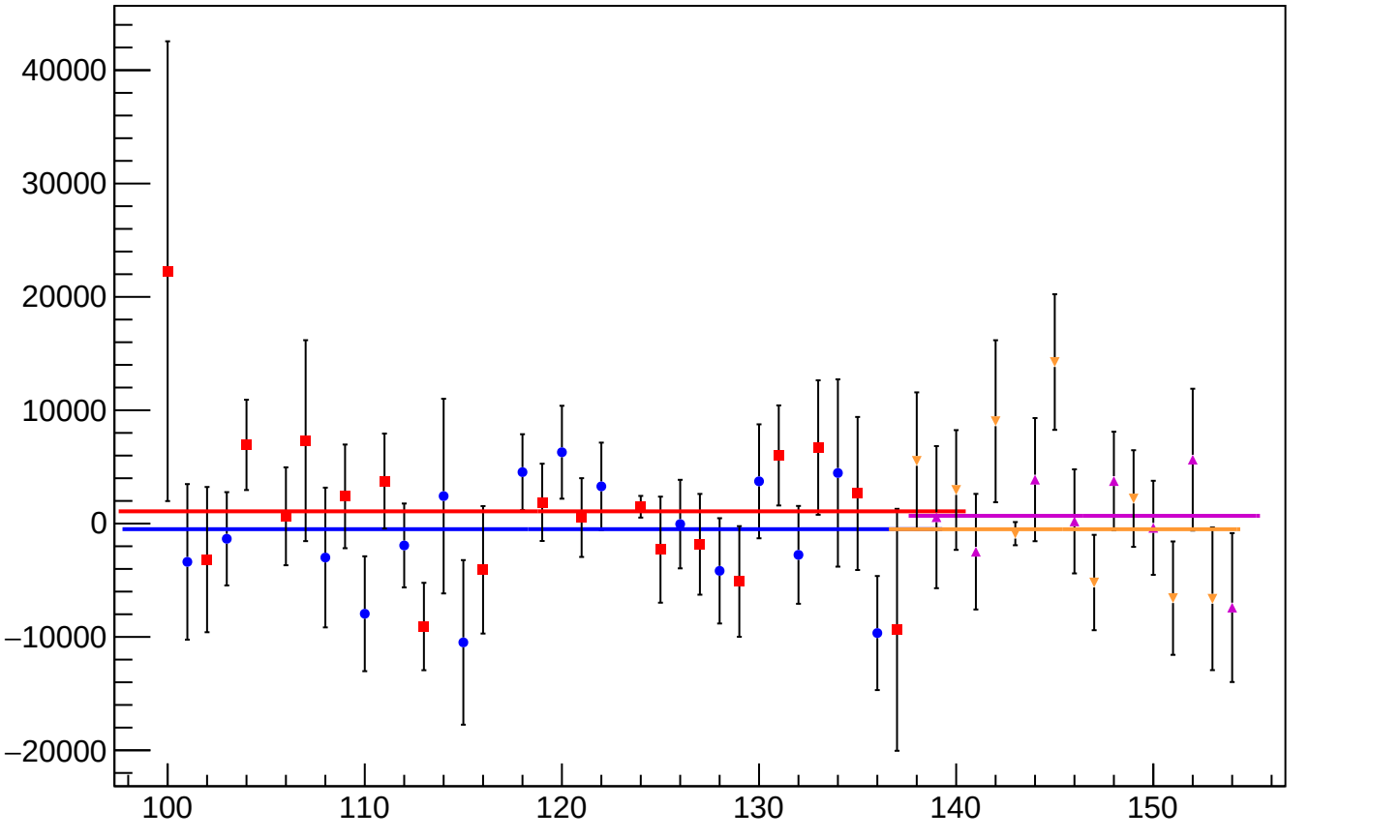
Left: 1929.259+/-0.366 χ^2/NDF: 249944.7/16

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1820.789+/-0.346 χ^2/NDF:730333.3/23

Out: 1840.068+/-0.348 χ^2/NDF:619527.9/27

All: 1830.376+/-0.245 χ^2/NDF: 1351407.8/51



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: 684.649+/-1811.026 χ^2/NDF:3.5/7

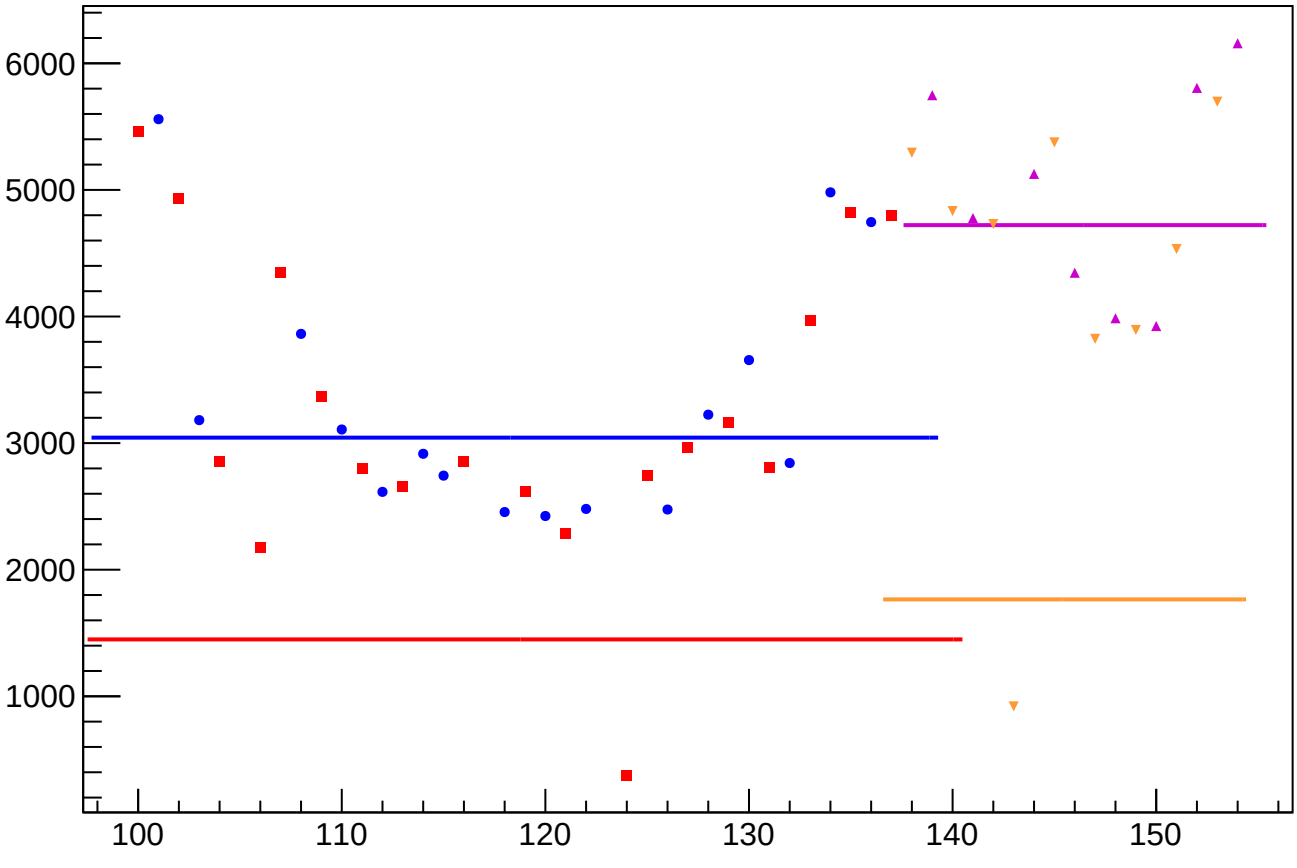
Left: -265.551+/-803.459 χ^2/NDF: 17.3/16

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -144.806+/-984.670 χ^2/NDF:19.7/23

Out: 449.757+/-566.754 χ^2/NDF:33.8/27

All: 301.801+/-491.200 χ^2/NDF: 53.8/51



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: 4721.904+/-1.281 χ^2/NDF:365089.1/7

Left: 2347.372+/-0.568 χ^2/NDF: 10810298.3/16

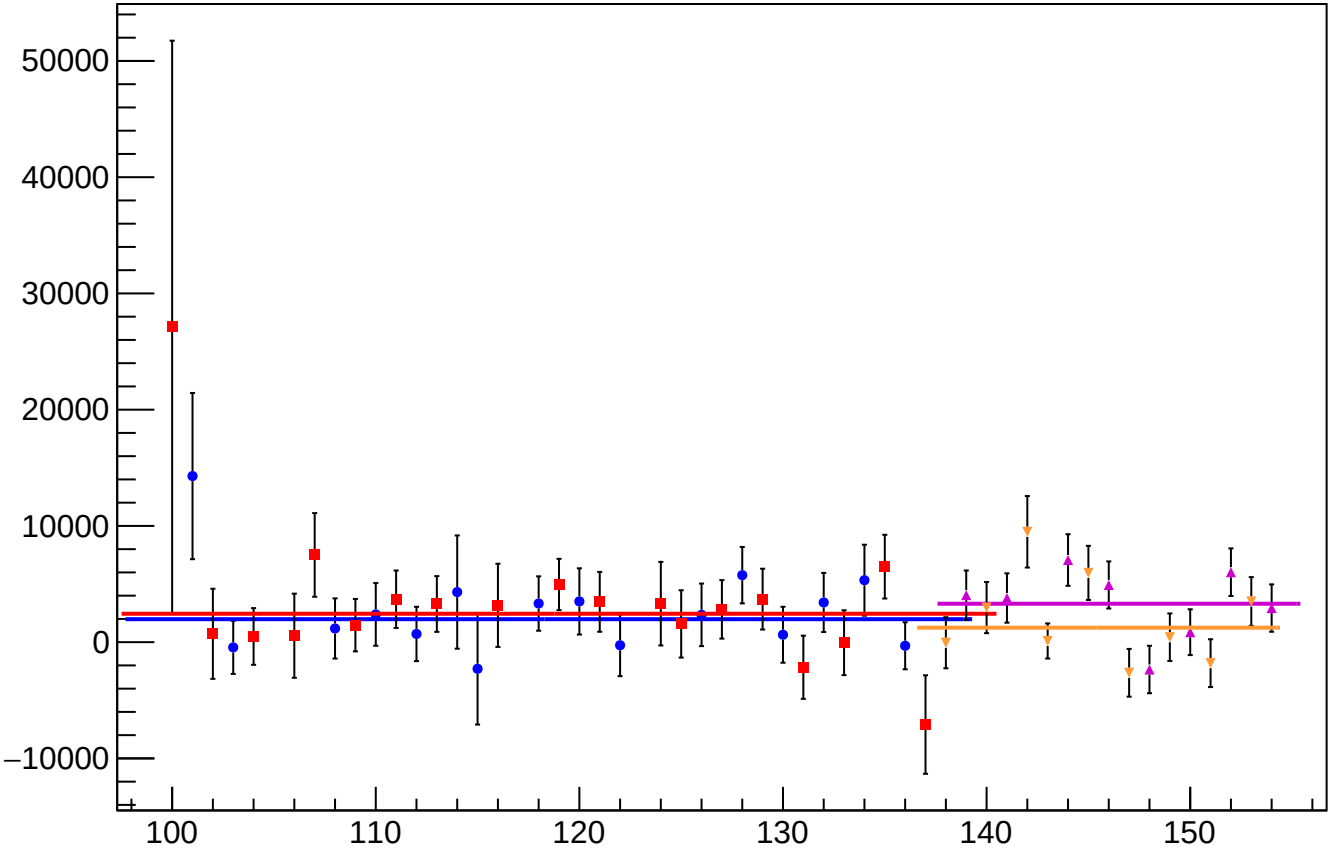
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3539.505+/-0.696 χ^2/NDF:2481069.7/23

Out: 1575.787+/-0.401 χ^2/NDF:13139254.4/27

All: 2064.455+/-0.347 χ^2/NDF: 21595281.5/5

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: 3306.164+/-731.434 χ^2/NDF:14.7/7

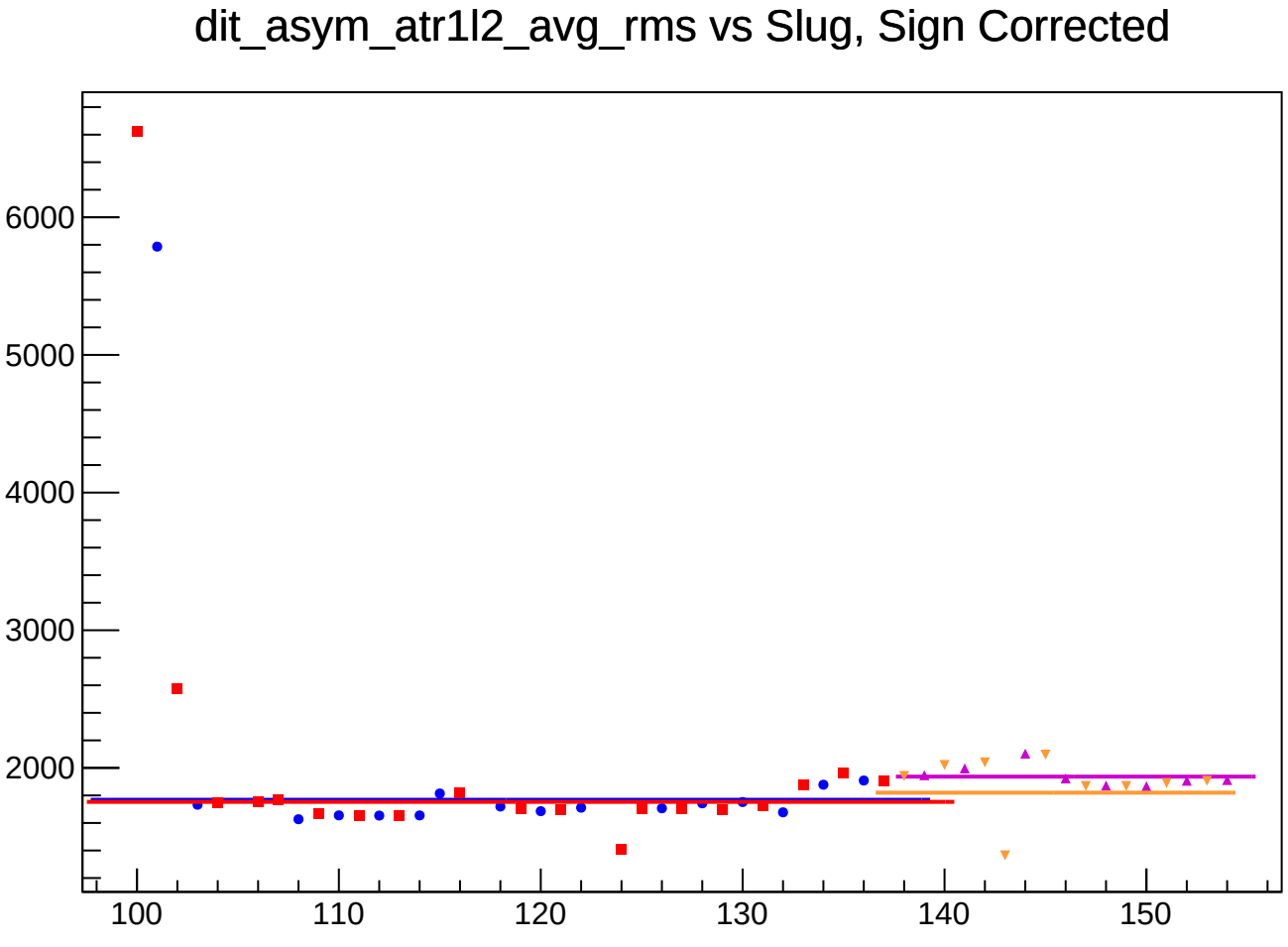
Left: 2221.166+/-503.018 χ^2/NDF: 38.8/16

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2586.793+/-495.687 χ^2/NDF:28.9/23

Out: 1877.033+/-477.009 χ^2/NDF:39.0/27

All: 2218.289+/-343.710 χ^2/NDF: 69.0/51



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: 1936.590+/-0.517 χ^2/NDF:18368.3/7

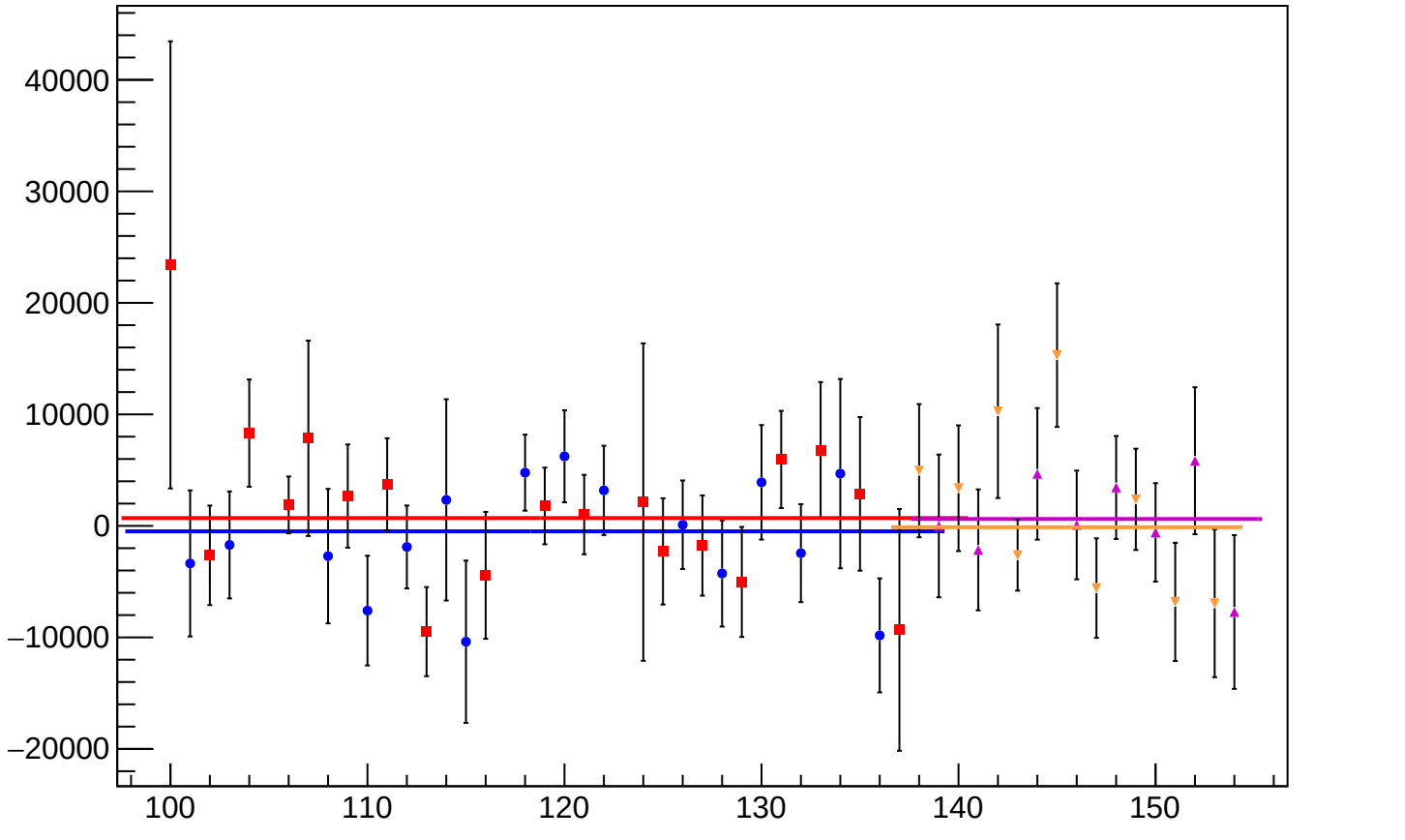
Left: 1875.141+/-0.356 χ^2/NDF: 296367.9/16

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1845.687+/-0.351 χ^2/NDF:742863.7/23

Out: 1784.868+/-0.337 χ^2/NDF:479831.5/27

All: 1814.068+/-0.243 χ^2/NDF: 1238348.5/51



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: 619.882+/-1918.953 χ^2/NDF:3.3/7

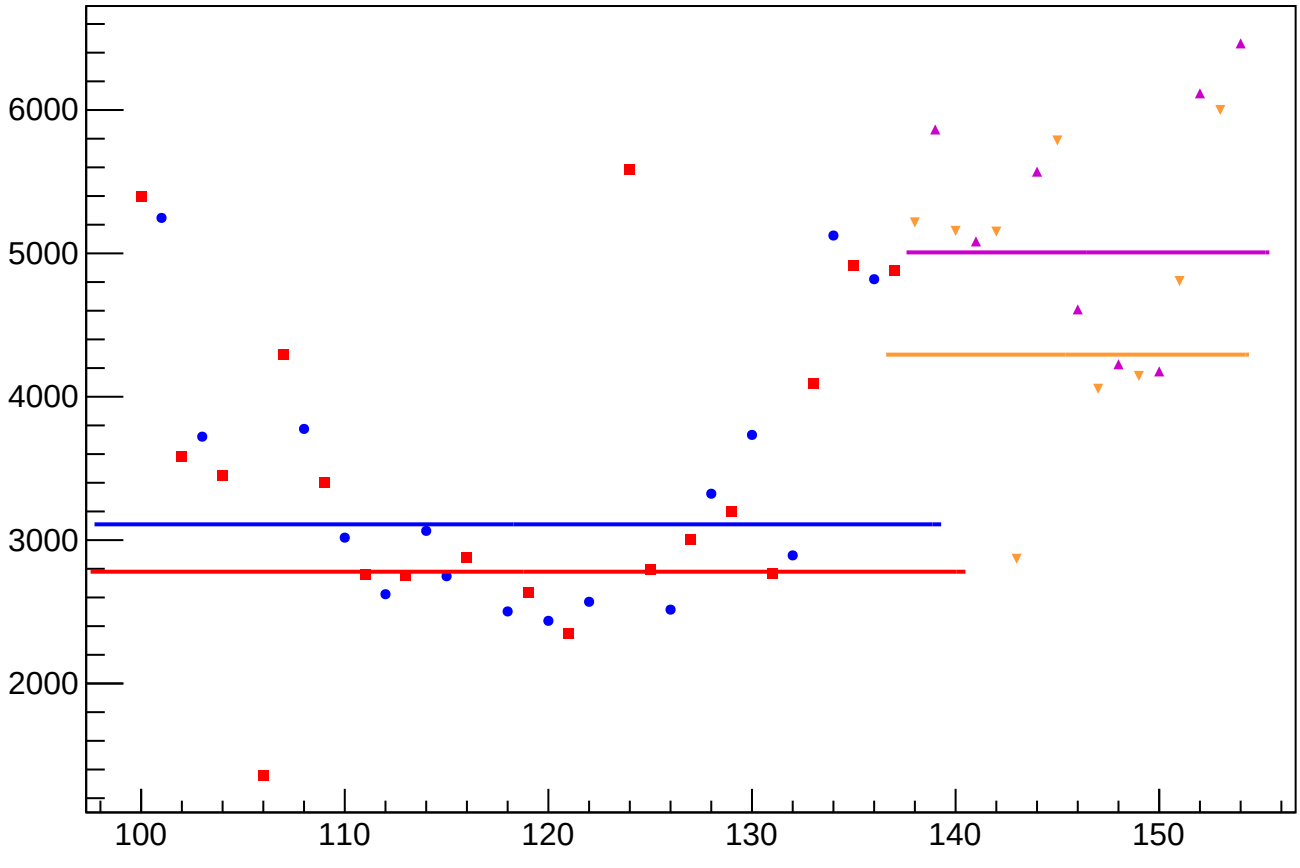
Left: 202.119+/-1261.940 χ^2/NDF: 17.1/16

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -177.186+/-1016.531 χ^2/NDF:19.3/23

Out: 466.002+/-901.416 χ^2/NDF:32.7/27

All: 182.873+/-674.440 χ^2/NDF: 52.2/51



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: 5006.871+/-1.357 χ^2/NDF:341853.8/7

Left: 4602.161+/-0.892 χ^2/NDF: 1286195.4/16

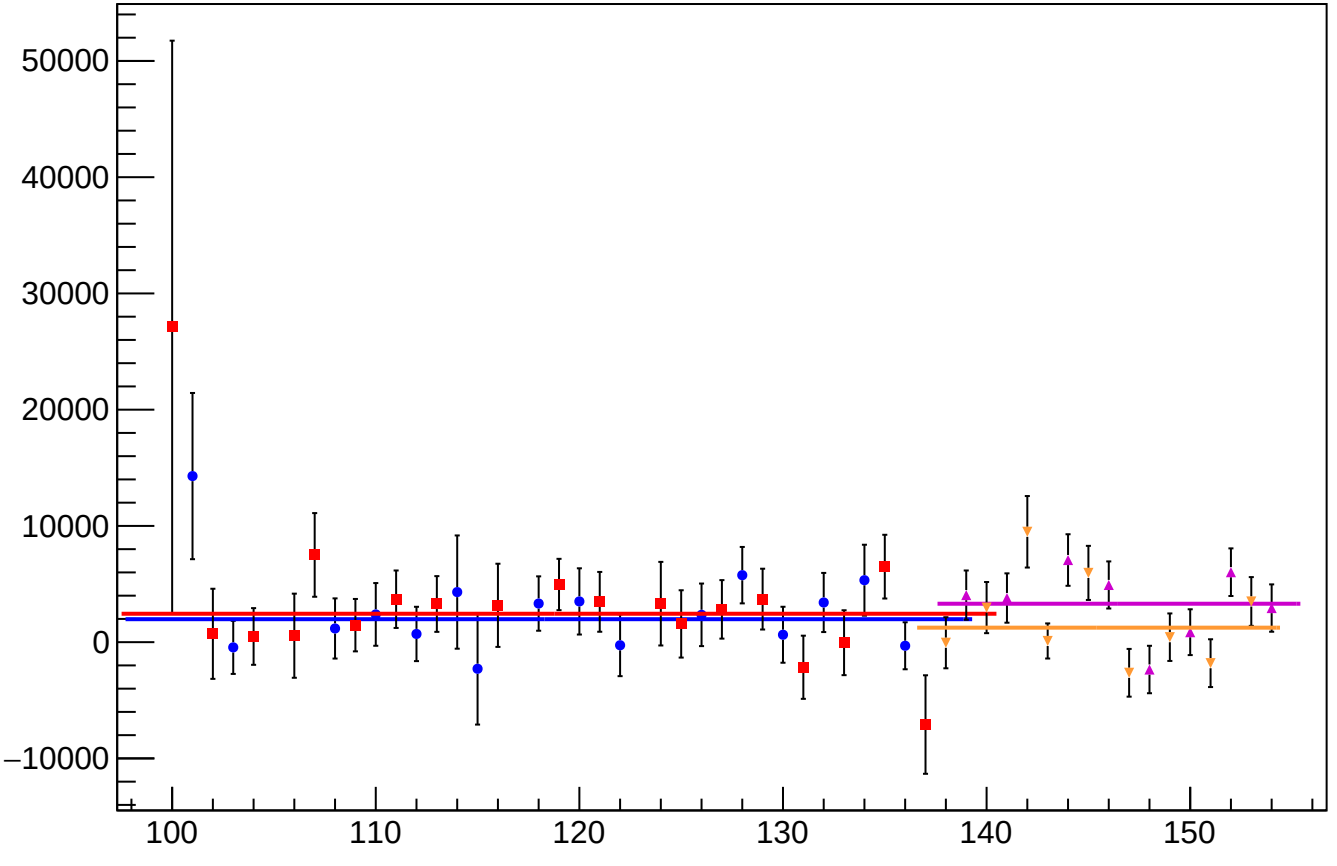
Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3642.387+/-0.719 χ^2/NDF:2630765.1/23

Out: 3218.094+/-0.637 χ^2/NDF:3296640.5/27

All: 3404.866+/-0.477 χ^2/NDF: 6122460.7/51

eigen_dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 3306.163+/-731.435 χ^2/NDF:14.7/7

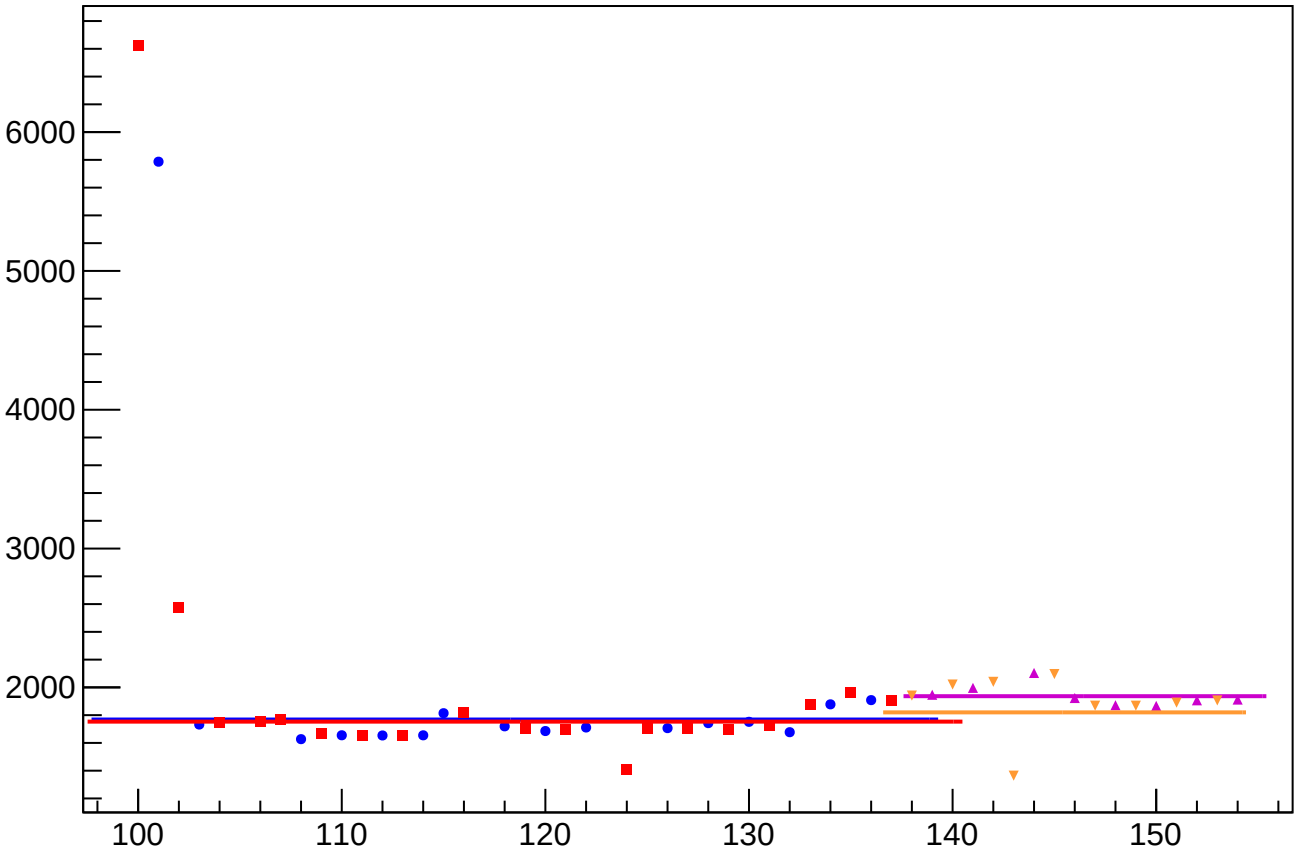
Left: 2221.166+/-503.018 χ^2/NDF: 38.8/16

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2586.793+/-495.687 χ^2/NDF:28.9/23

Out: 1877.035+/-477.009 χ^2/NDF:39.0/27

All: 2218.290+/-343.710 χ^2/NDF: 69.0/51



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: 1936.591+/-0.517 χ^2/NDF:18368.6/7

Left: 1875.142+/-0.356 χ^2/NDF: 296369.4/16

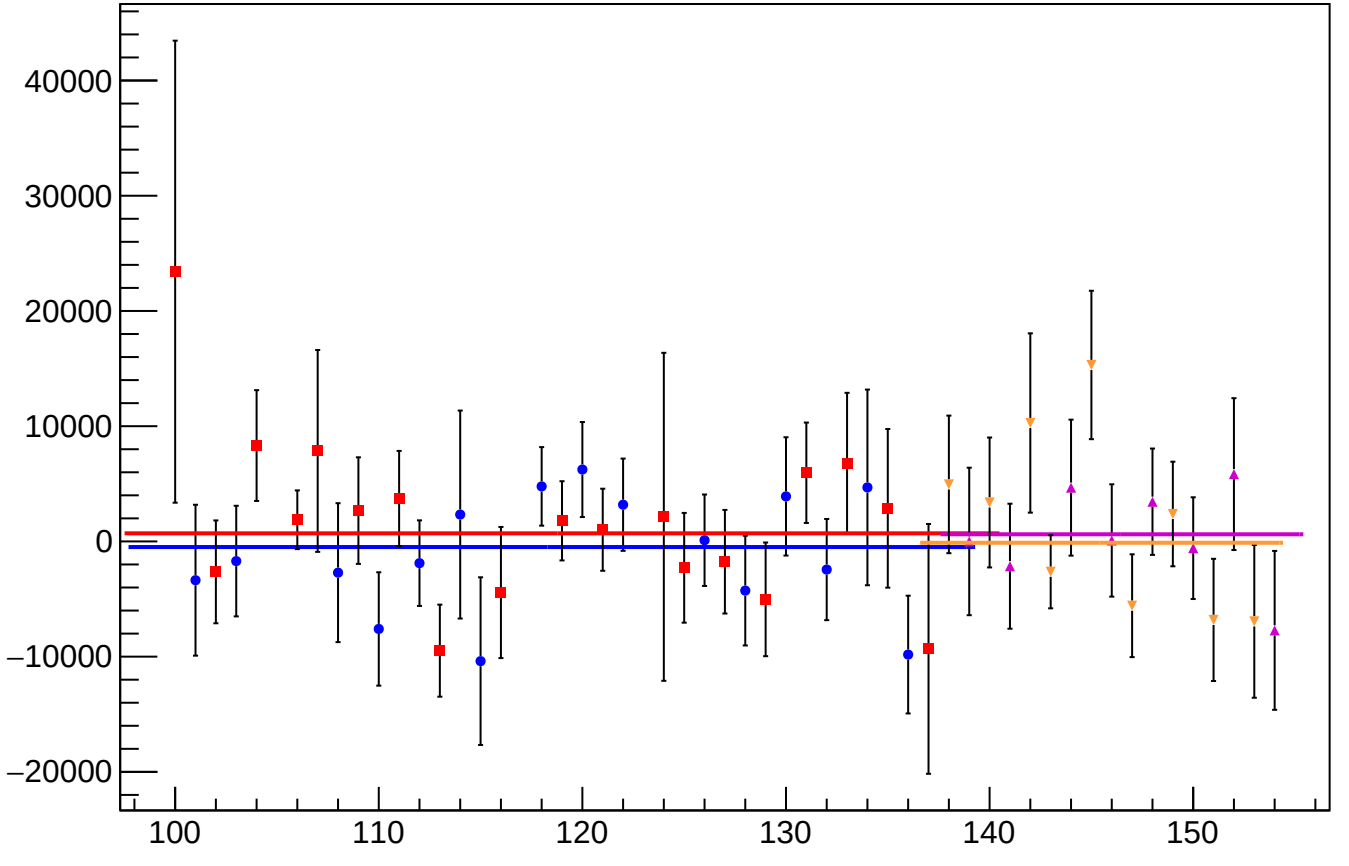
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1845.687+/-0.351 χ^2/NDF:742864.7/23

Out: 1784.868+/-0.337 χ^2/NDF:479832.7/27

All: 1814.068+/-0.243 χ^2/NDF: 1238350.8/51

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -116.222+/-1675.105 χ^2/NDF:13.7/8

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 619.883+/-1918.955 χ^2/NDF:3.3/7

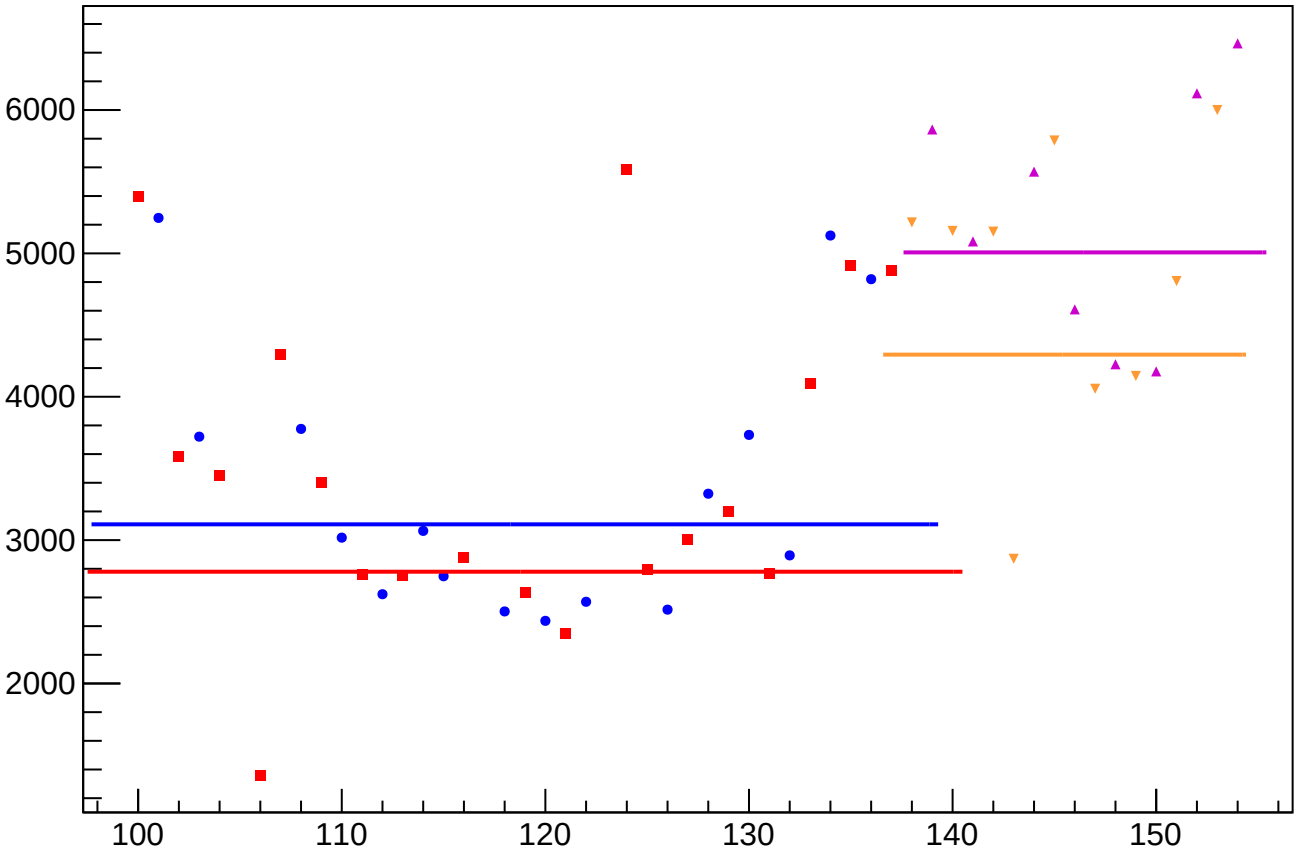
Left: 202.116+/-1261.941 χ^2/NDF: 17.1/16

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -177.183+/-1016.529 χ^2/NDF:19.3/23

Out: 466.003+/-901.414 χ^2/NDF:32.7/27

All: 182.875+/-674.439 χ^2/NDF: 52.2/51



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: 5006.876+/-1.357 χ^2/NDF:341856.9/7

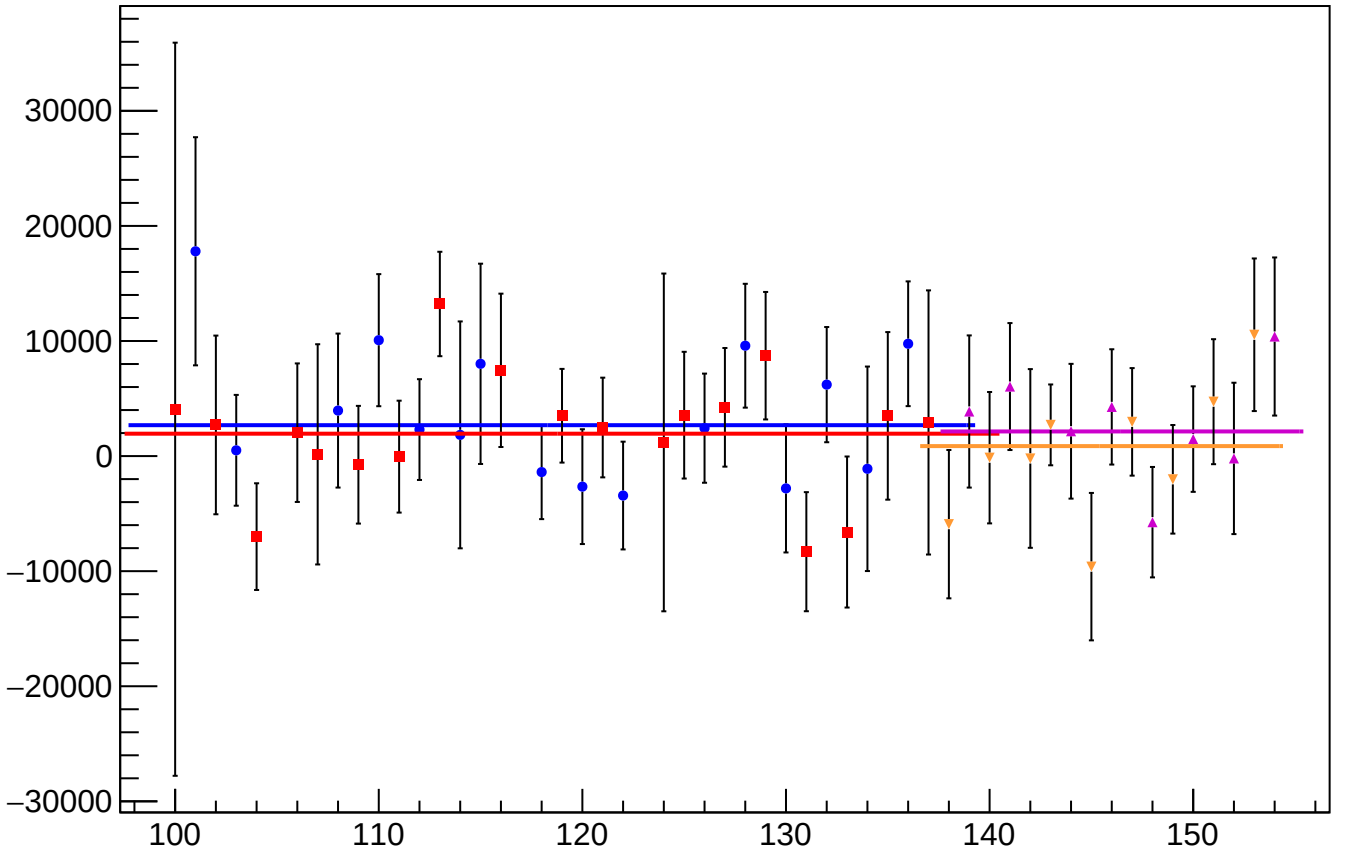
Left: 4602.165+/-0.892 χ^2/NDF: 1286204.4/16

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3642.377+/-0.719 χ^2/NDF:2630802.4/23

Out: 3218.083+/-0.637 χ^2/NDF:3296690.3/27

All: 3404.855+/-0.477 χ^2/NDF: 6122550.0/51



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: 2140.663+/-1960.901 χ^2/NDF:5.0/7

Left: 1434.046+/-1308.289 χ^2/NDF: 12.6/16

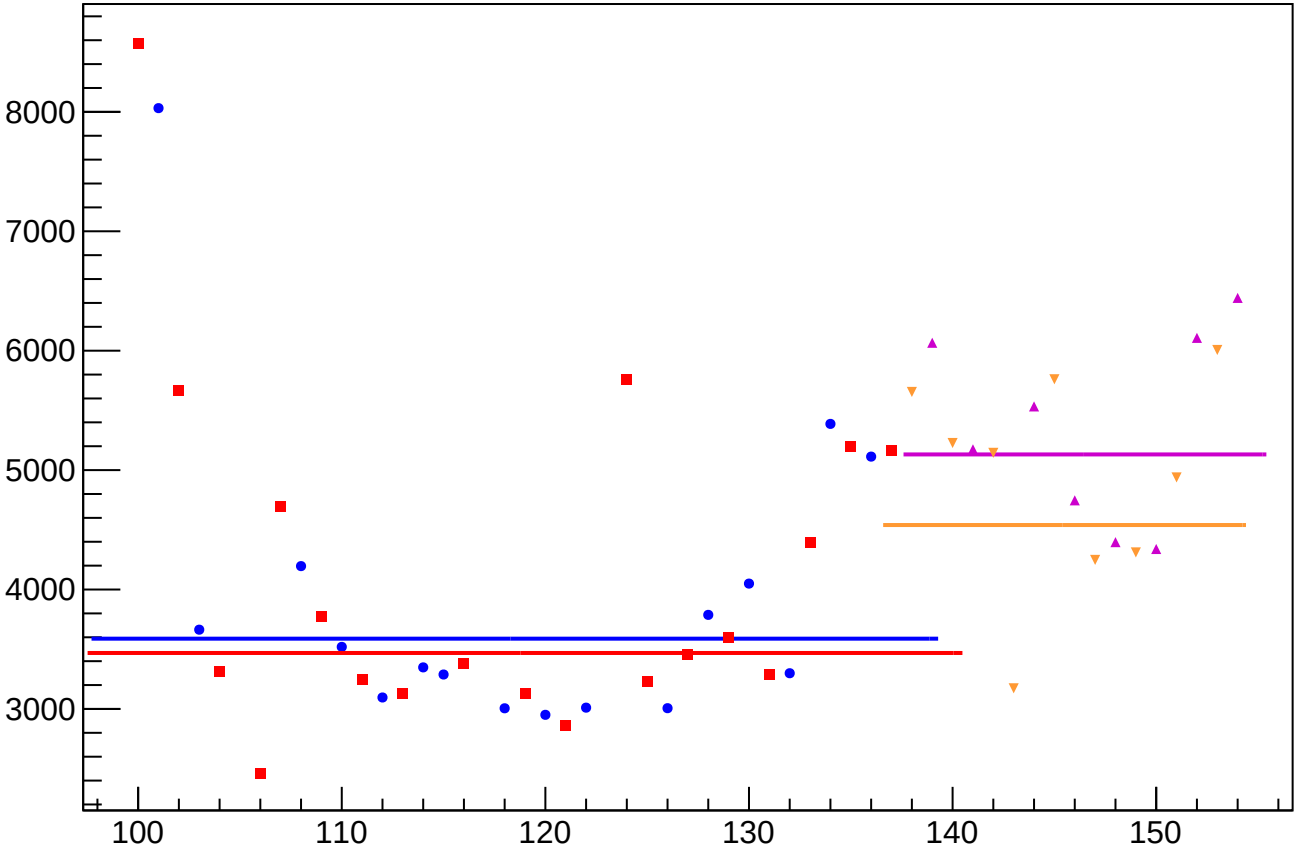
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2504.995+/-1128.493 χ^2/NDF:18.6/23

Out: 1551.500+/-1061.809 χ^2/NDF:26.3/27

All: 1999.245+/-773.313 χ^2/NDF: 45.2/51

asym_atr1l2_avg_rms vs Slug, Sign Corrected



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: 5131.316+/-1.387 χ^2/NDF:284760.0/7

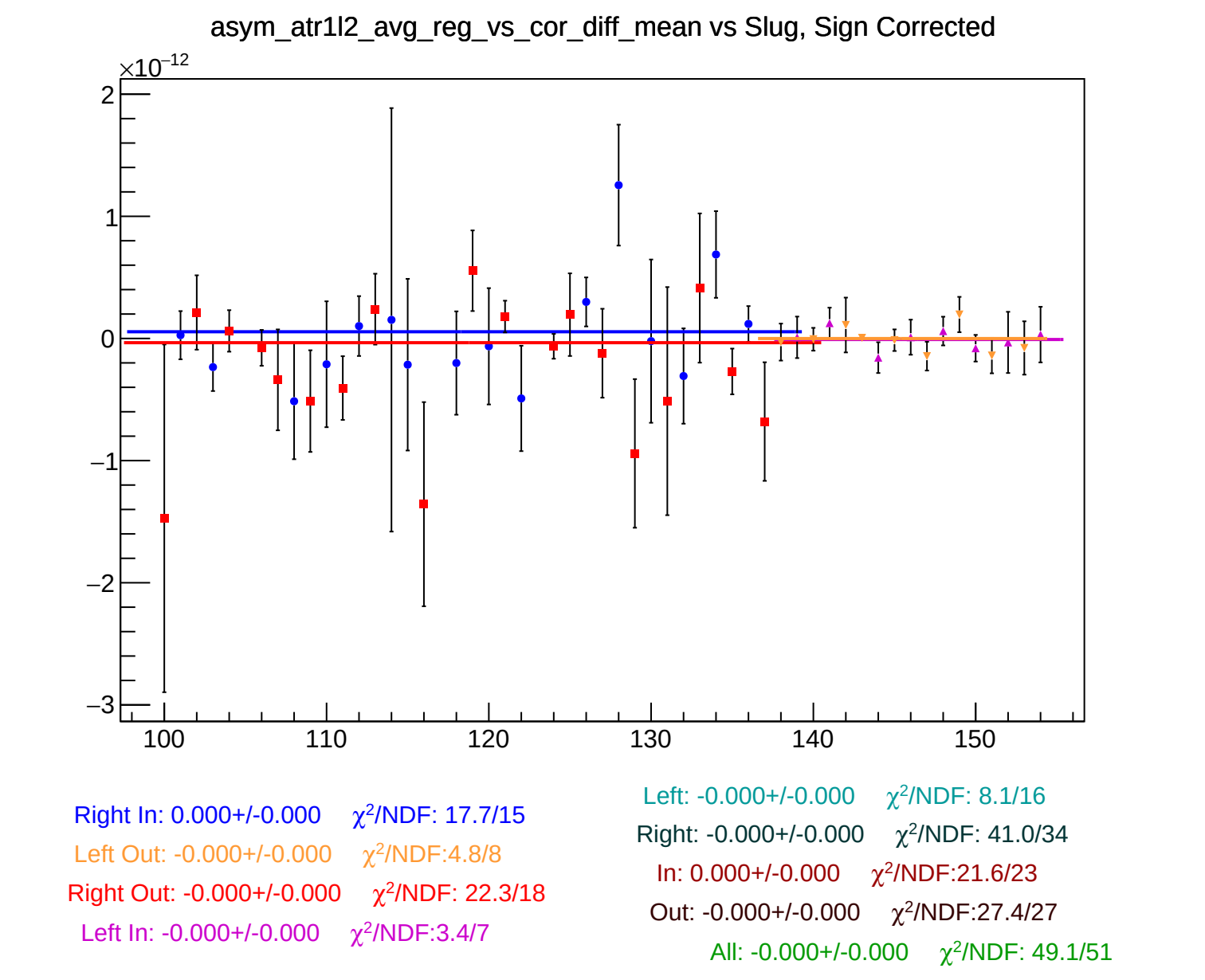
Left: 4803.256+/-0.925 χ^2/NDF: 983434.7/16

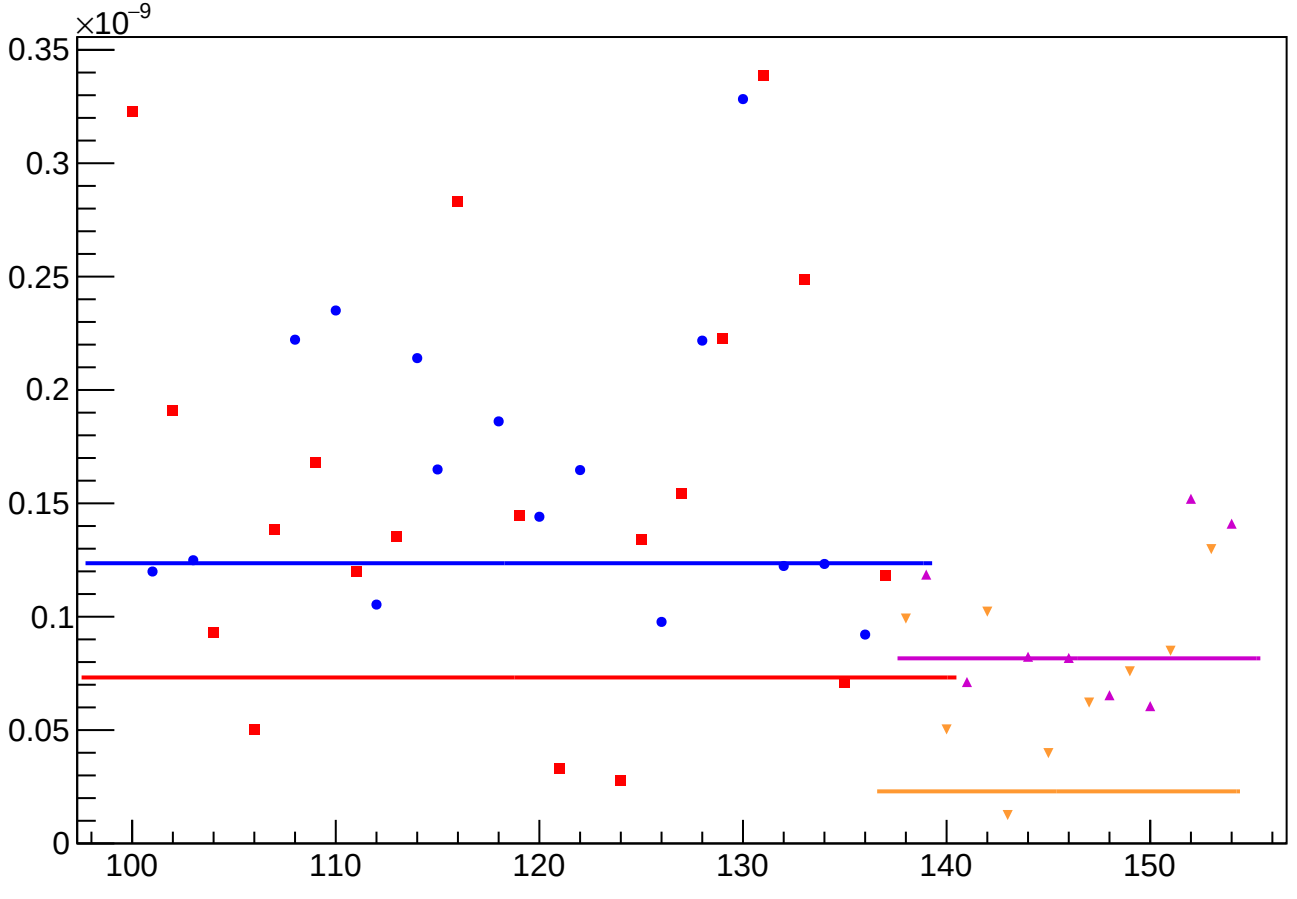
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4099.428+/-0.798 χ^2/NDF:1958082.6/23

Out: 3852.648+/-0.744 χ^2/NDF:1741855.7/27

All: 3967.332+/-0.544 χ^2/NDF: 3751133.9/51


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:3.4/7
Left: -0.000+/-0.000 χ²/NDF: 8.1/16
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:21.6/23
Out: -0.000+/-0.000 χ²/NDF:27.4/27
All: -0.000+/-0.000 χ²/NDF: 49.1/51



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:515312.8/7

Left: 0.000+/-0.000 χ^2/NDF: 5654955.4/16

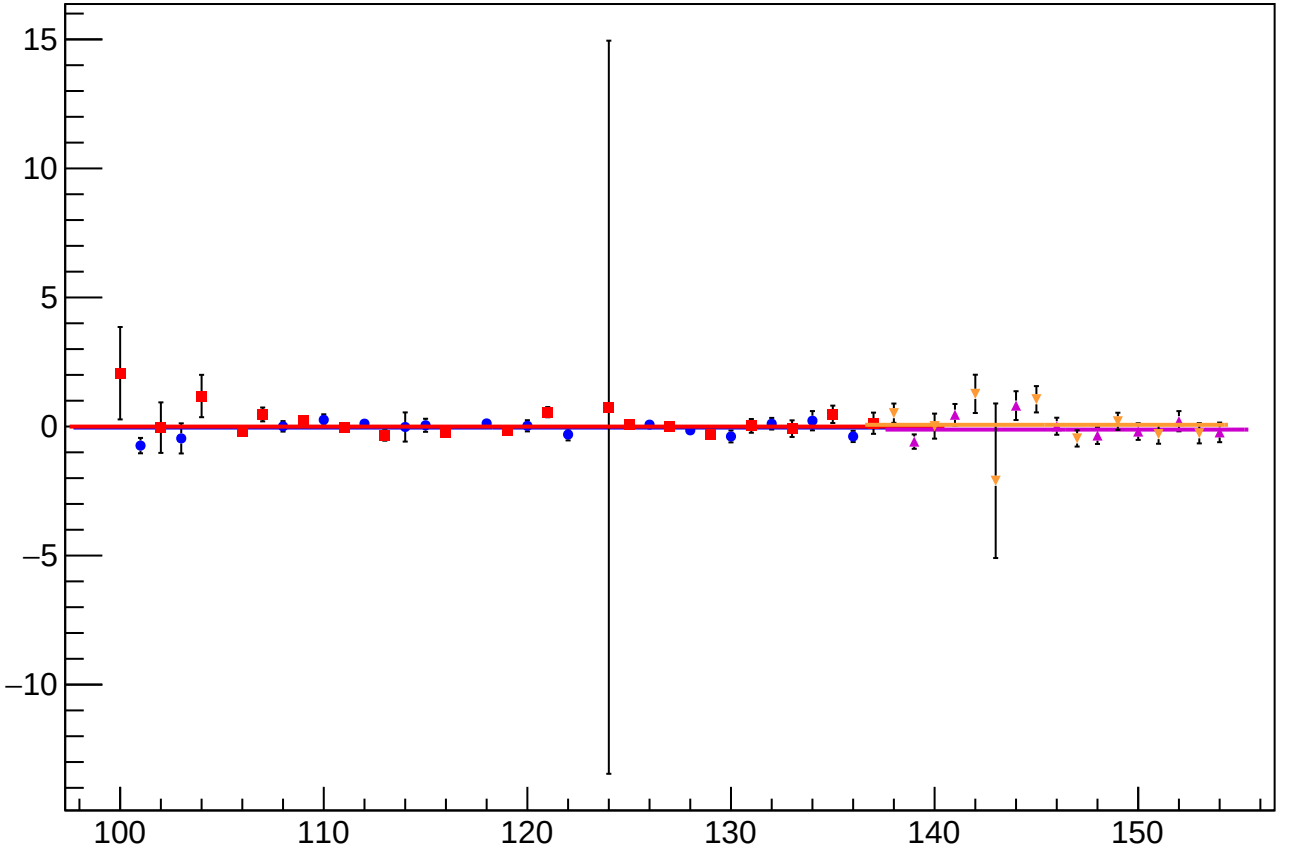
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1625903.1/23

Out: 0.000+/-0.000 χ^2/NDF:6514209.2/27

All: 0.000+/-0.000 χ^2/NDF: 12347412.0/51

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: -0.119+/-0.126 χ^2/NDF:8.9/7

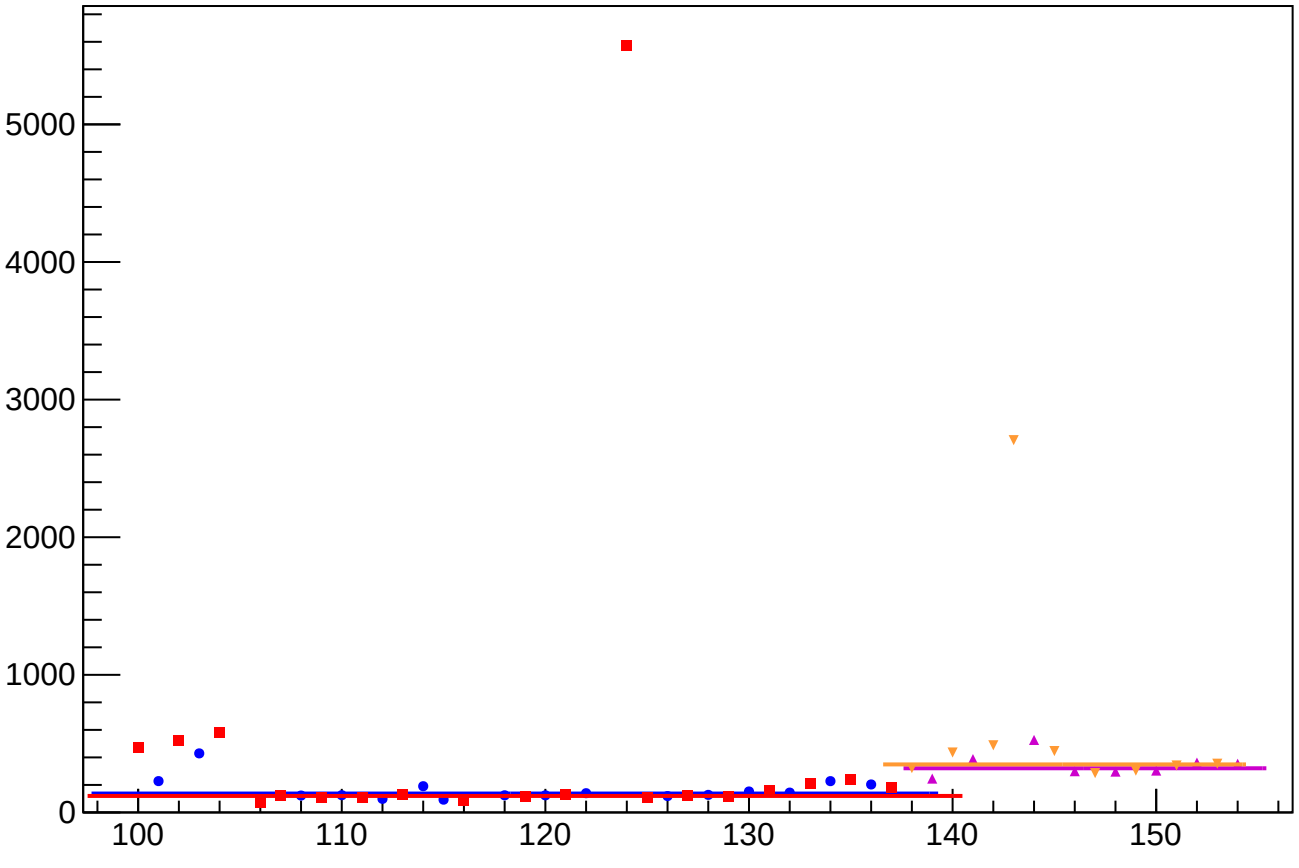
Left: -0.038+/-0.094 χ^2/NDF: 22.8/16

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.051 χ^2/NDF:27.2/23

Out: 0.005+/-0.048 χ^2/NDF:41.9/27

All: -0.022+/-0.035 χ^2/NDF: 69.7/51



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: 321.048+/-0.089 χ^2/NDF:530298.9/7

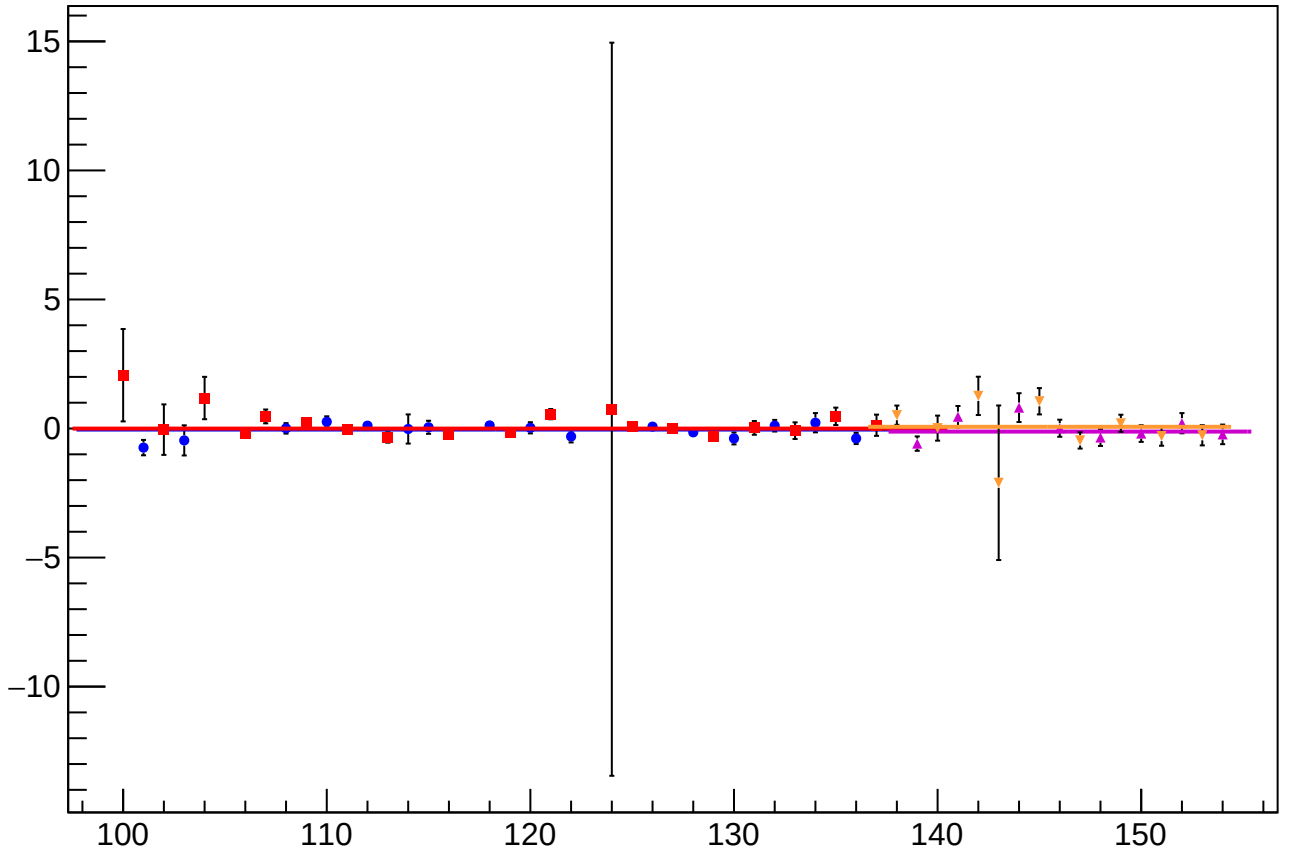
Left: 333.390+/-0.066 χ^2/NDF: 2147333.6/16

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 167.705+/-0.036 χ^2/NDF:5370834.4/23

Out: 146.233+/-0.034 χ^2/NDF:8346352.6/27

All: 156.300+/-0.025 χ^2/NDF: 13905434.5/51



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: -0.119+/-0.126 χ^2/NDF:8.9/7

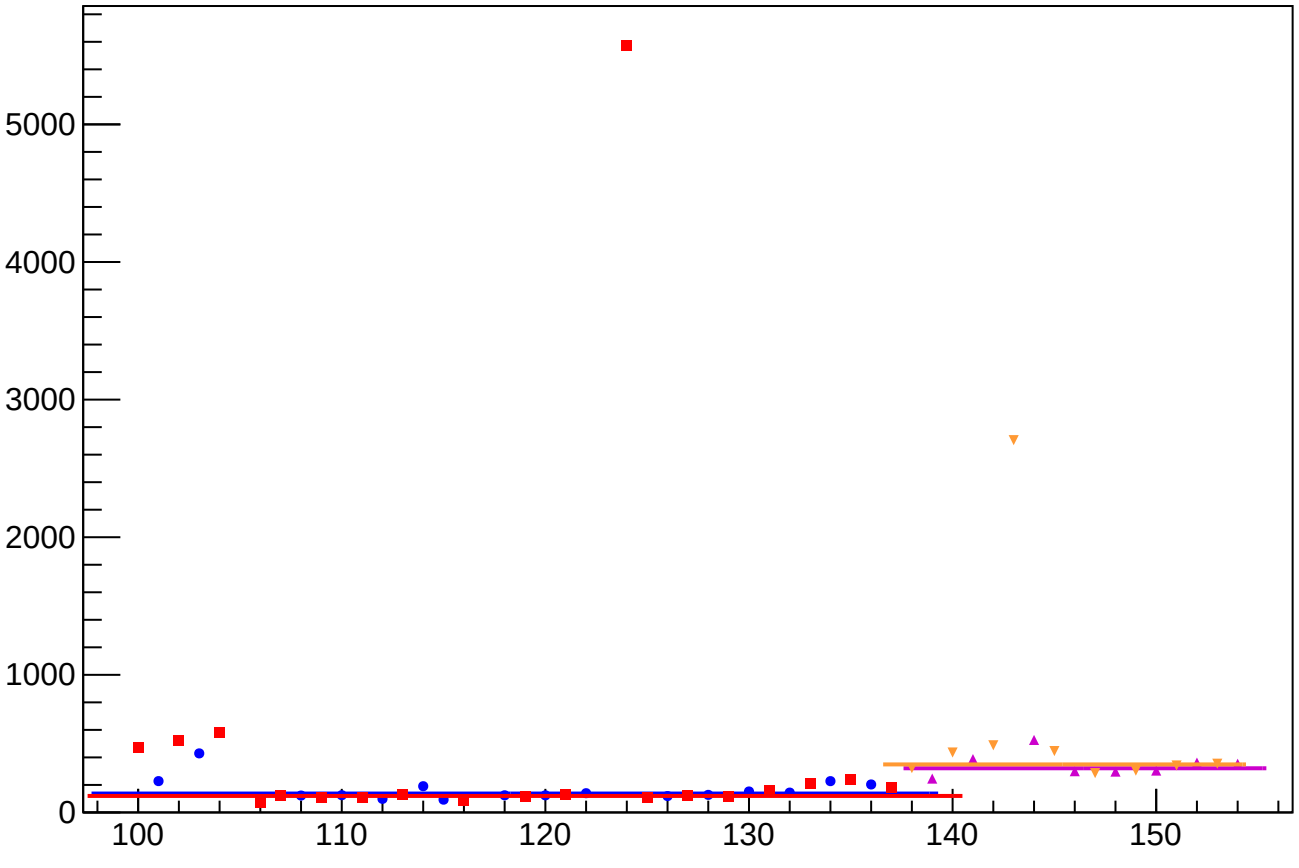
Left: -0.038+/-0.094 χ^2/NDF: 22.8/16

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.051 χ^2/NDF:27.2/23

Out: 0.005+/-0.048 χ^2/NDF:41.9/27

All: -0.022+/-0.035 χ^2/NDF: 69.7/51



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: 321.048+/-0.089 χ^2/NDF:530298.9/7

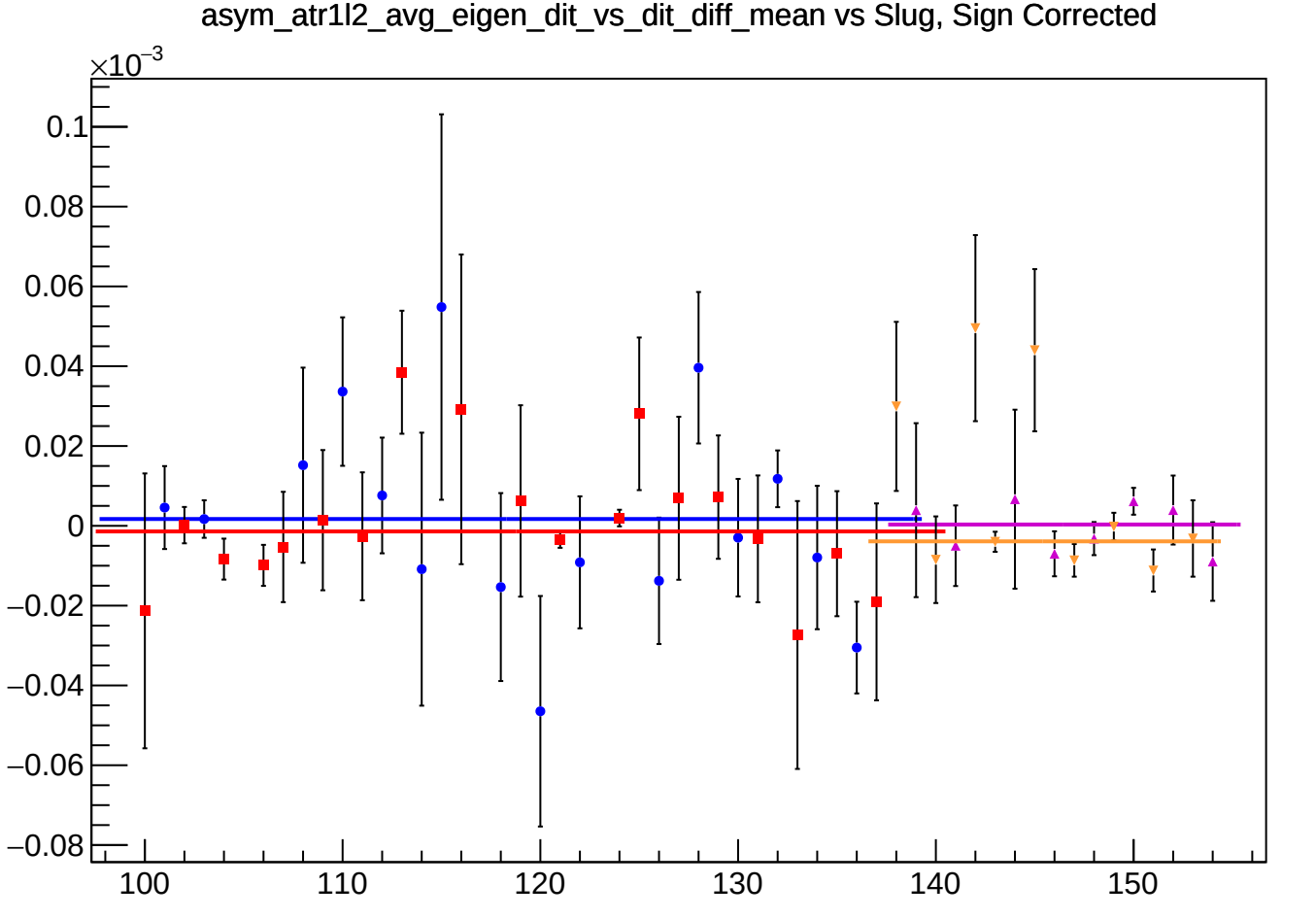
Left: 333.390+/-0.066 χ^2/NDF: 2147333.6/16

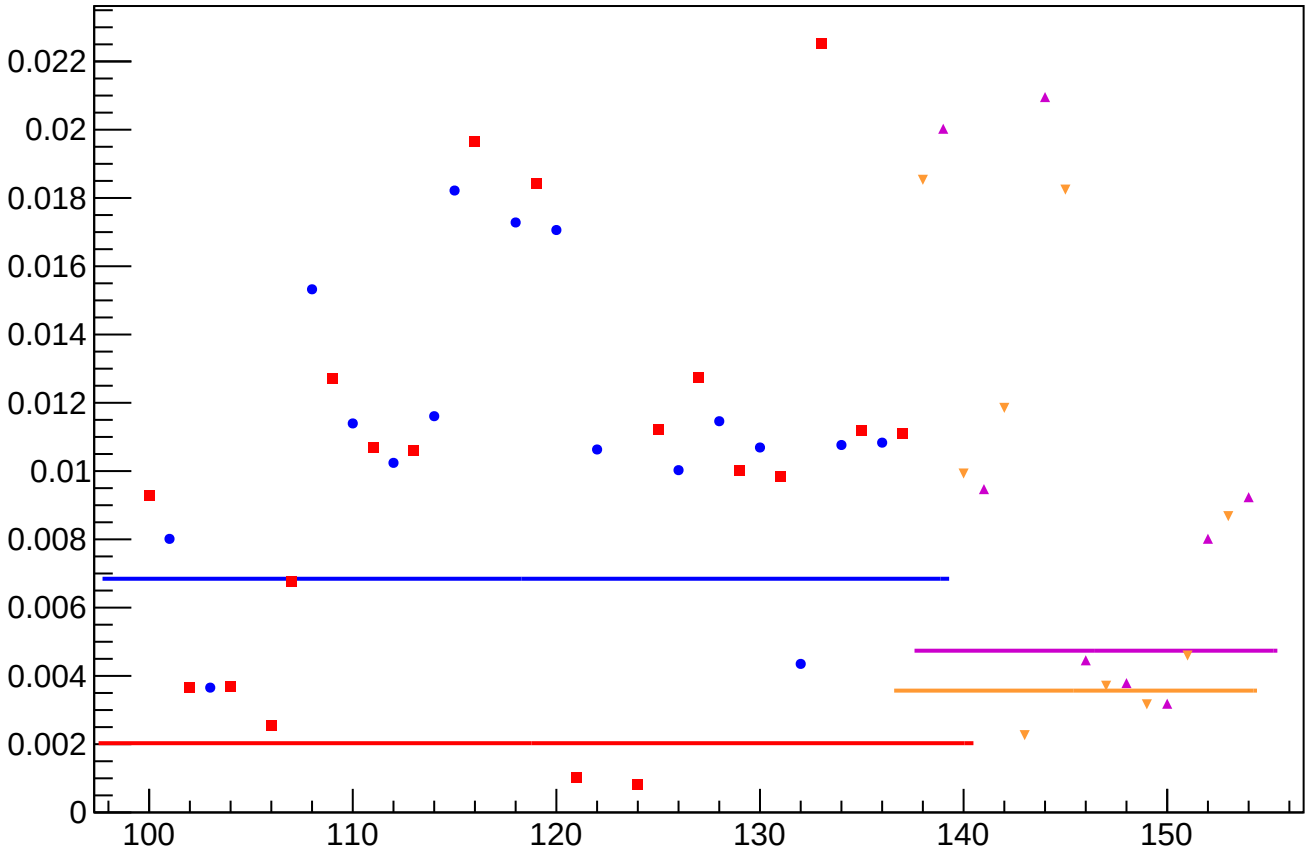
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 167.705+/-0.036 χ^2/NDF:5370834.4/23

Out: 146.233+/-0.034 χ^2/NDF:8346352.6/27

All: 156.300+/-0.025 χ^2/NDF: 13905434.5/51


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.8/15
Left Out: -0.000+/-0.000 χ²/NDF:18.0/8
Right Out: -0.000+/-0.000 χ²/NDF: 20.3/18
Left In: 0.000+/-0.000 χ²/NDF:6.9/7
Left: -0.000+/-0.000 χ²/NDF: 27.2/16
Right: -0.000+/-0.000 χ²/NDF: 45.0/34
In: 0.000+/-0.000 χ²/NDF:30.8/23
Out: -0.000+/-0.000 χ²/NDF:39.6/27
All: -0.000+/-0.000 χ²/NDF: 72.8/51



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:3709216.6/7

Left: 0.004+/-0.000 χ^2/NDF: 8270698.0/16

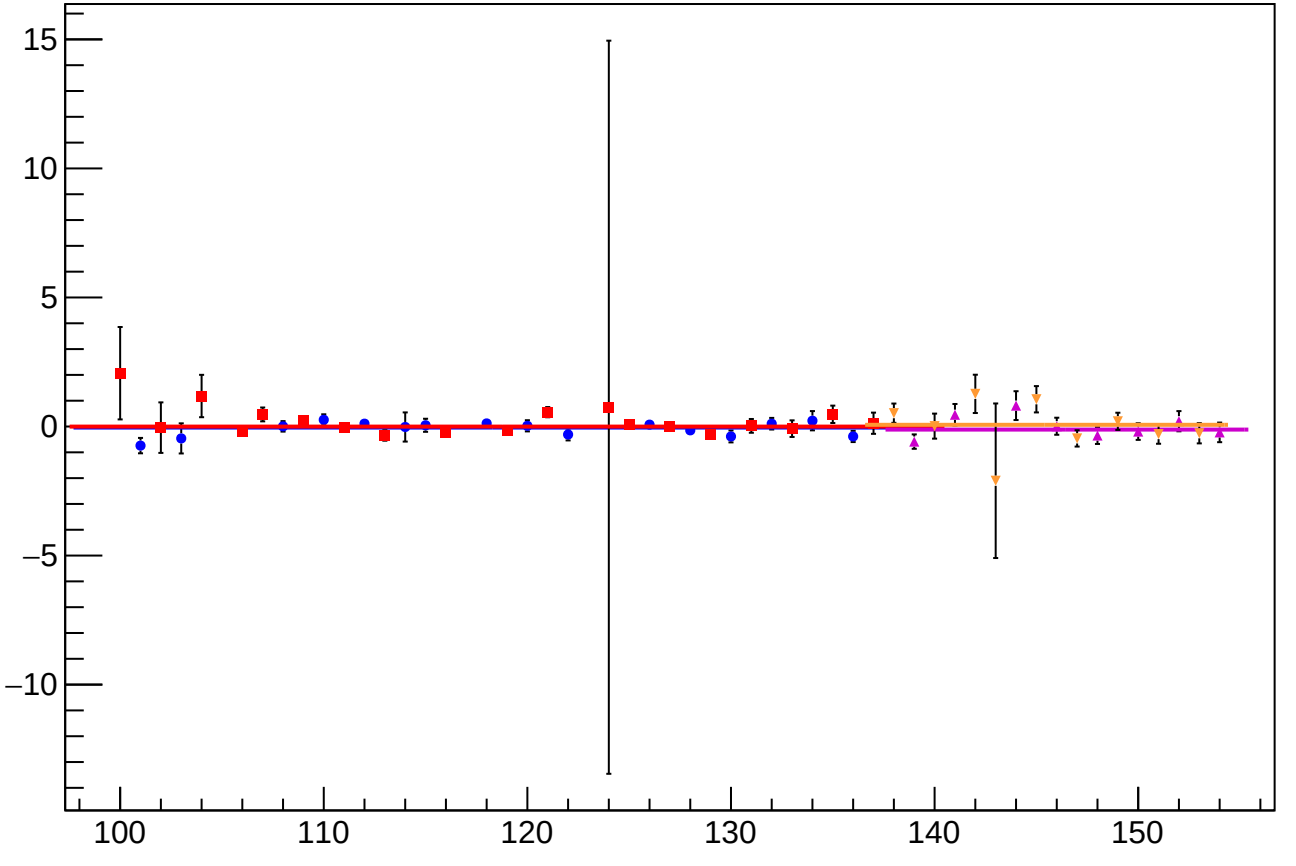
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:7600007.4/23

Out: 0.003+/-0.000 χ^2/NDF:14293767.3/27

All: 0.003+/-0.000 χ^2/NDF: 25985703.3/51

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: -0.119+/-0.126 χ^2/NDF:8.9/7

Left: -0.038+/-0.094 χ^2/NDF: 22.8/16

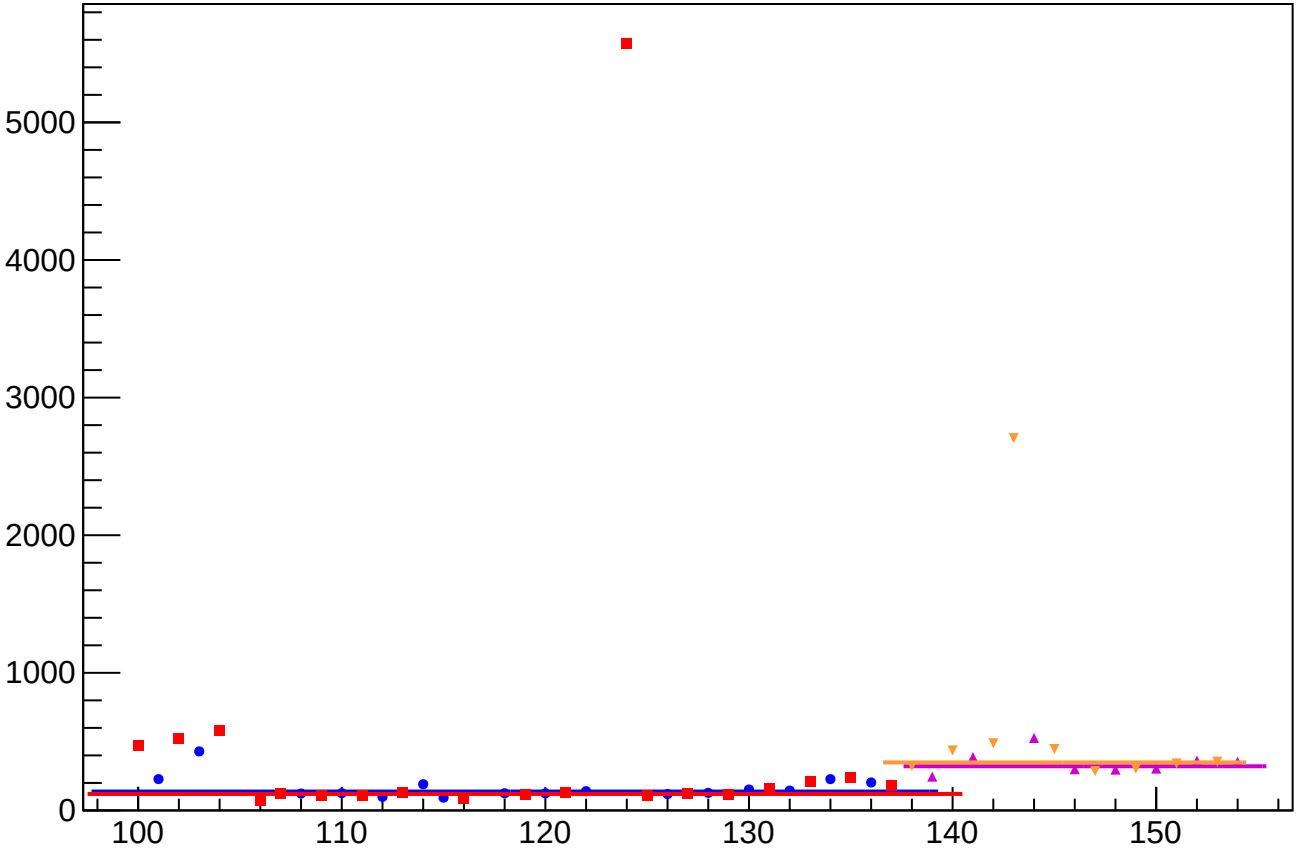
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.051 χ^2/NDF:27.2/23

Out: 0.005+/-0.048 χ^2/NDF:41.9/27

All: -0.022+/-0.035 χ^2/NDF: 69.7/51

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 349.095+/-0.100 χ^2/NDF:1573154.9/8

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 321.052+/-0.089 χ^2/NDF:530291.0/7

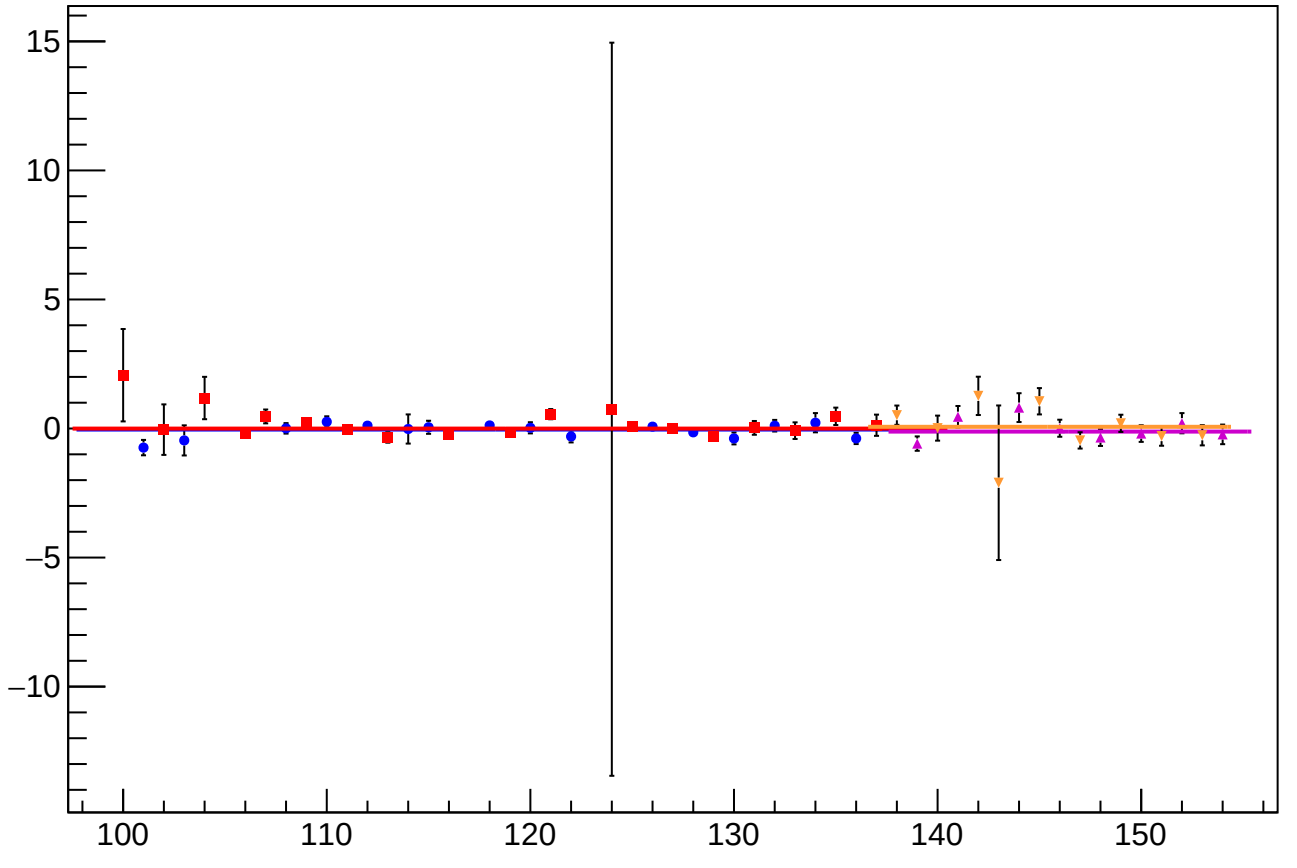
Left: 333.393+/-0.066 χ^2/NDF: 2147347.0/16

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 167.706+/-0.036 χ^2/NDF:5370814.3/23

Out: 146.233+/-0.034 χ^2/NDF:8346344.1/27

All: 156.300+/-0.025 χ^2/NDF: 13905425.6/51



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: -0.119+/-0.126 χ^2/NDF:8.9/7

Left: -0.038+/-0.094 χ^2/NDF: 22.8/16

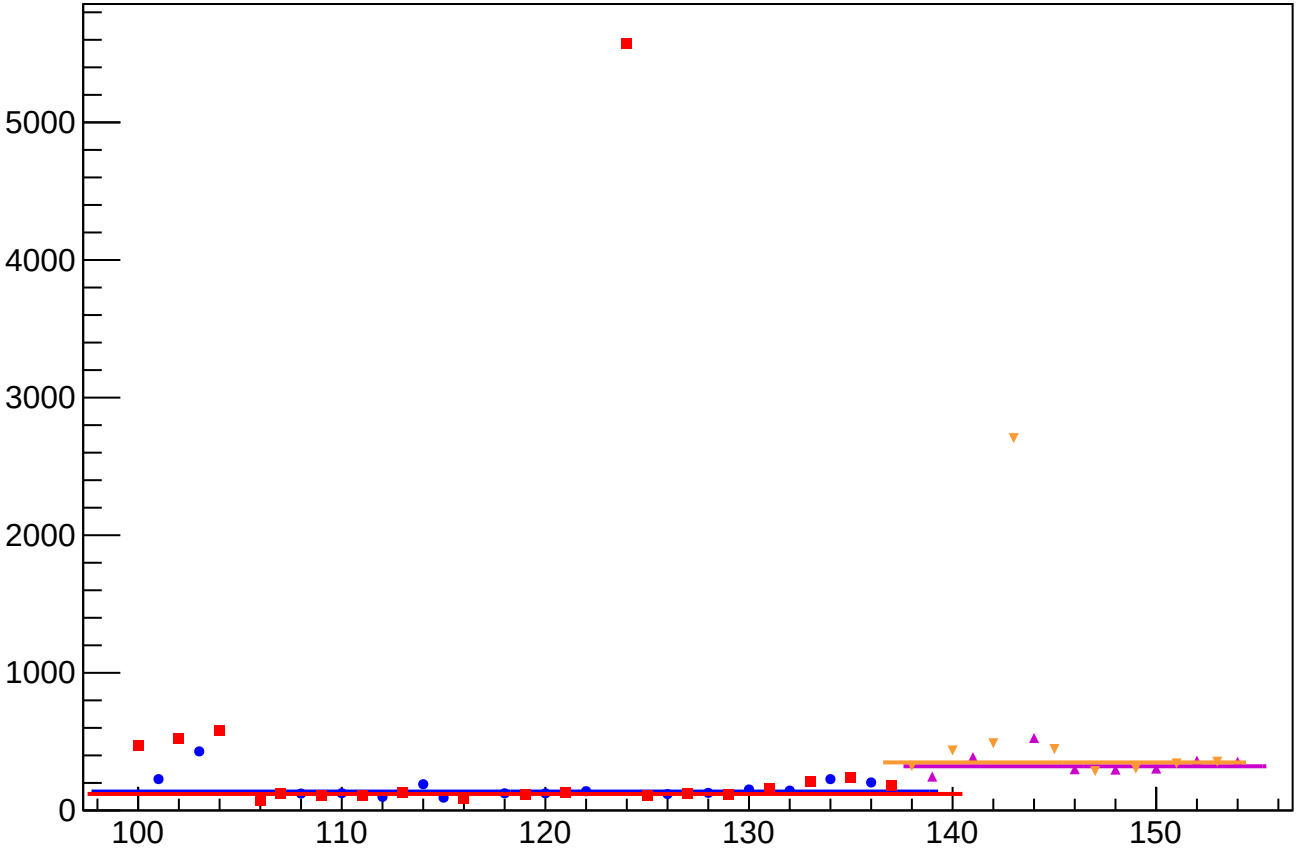
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.051 χ^2/NDF:27.2/23

Out: 0.005+/-0.048 χ^2/NDF:41.9/27

All: -0.022+/-0.035 χ^2/NDF: 69.7/51

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 349.095+/-0.100 χ^2/NDF:1573154.9/8

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 321.052+/-0.089 χ^2/NDF:530291.0/7

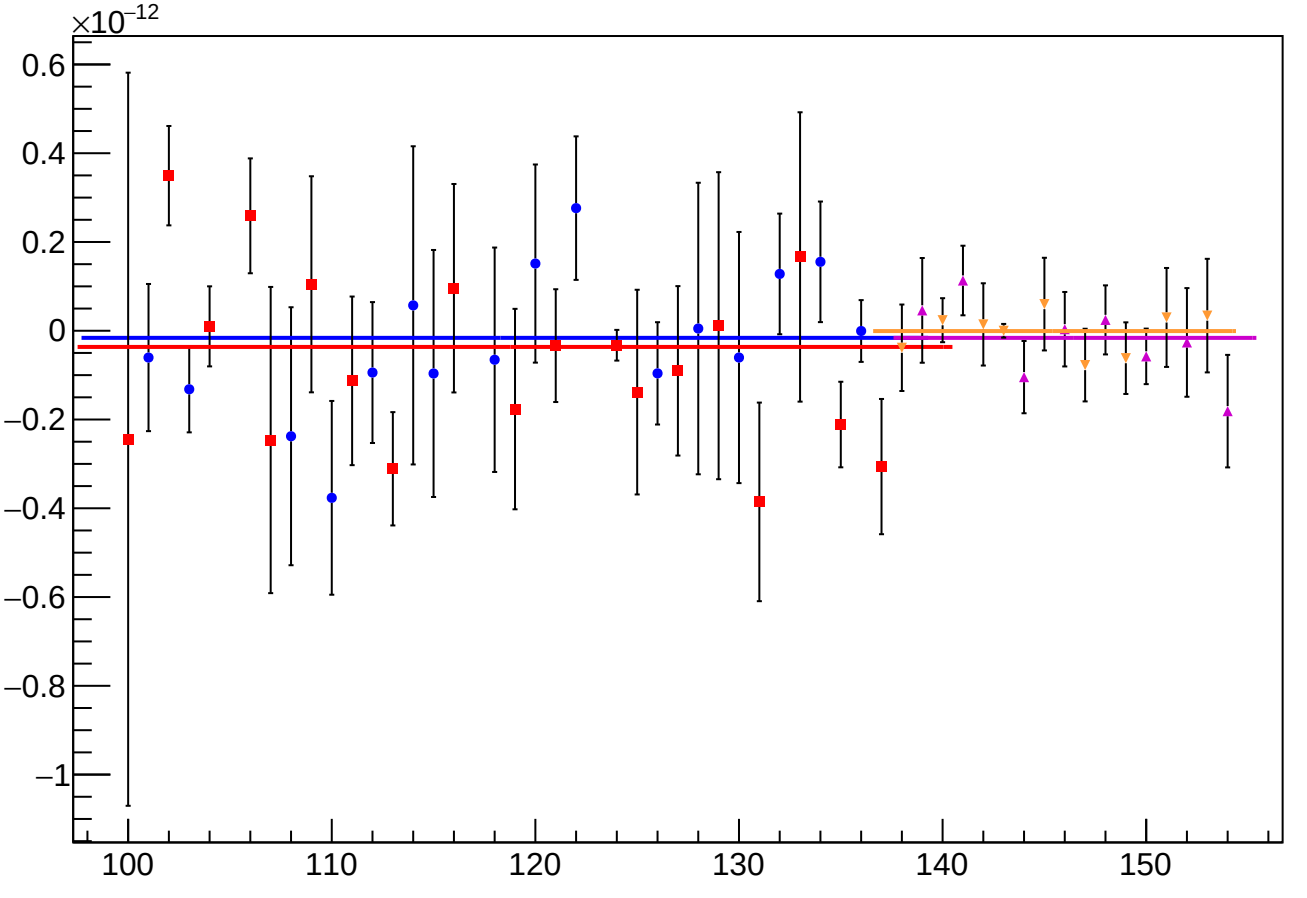
Left: 333.393+/-0.066 χ^2/NDF: 2147347.0/16

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 167.706+/-0.036 χ^2/NDF:5370814.3/23

Out: 146.233+/-0.034 χ^2/NDF:8346344.1/27

All: 156.300+/-0.025 χ^2/NDF: 13905425.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/7

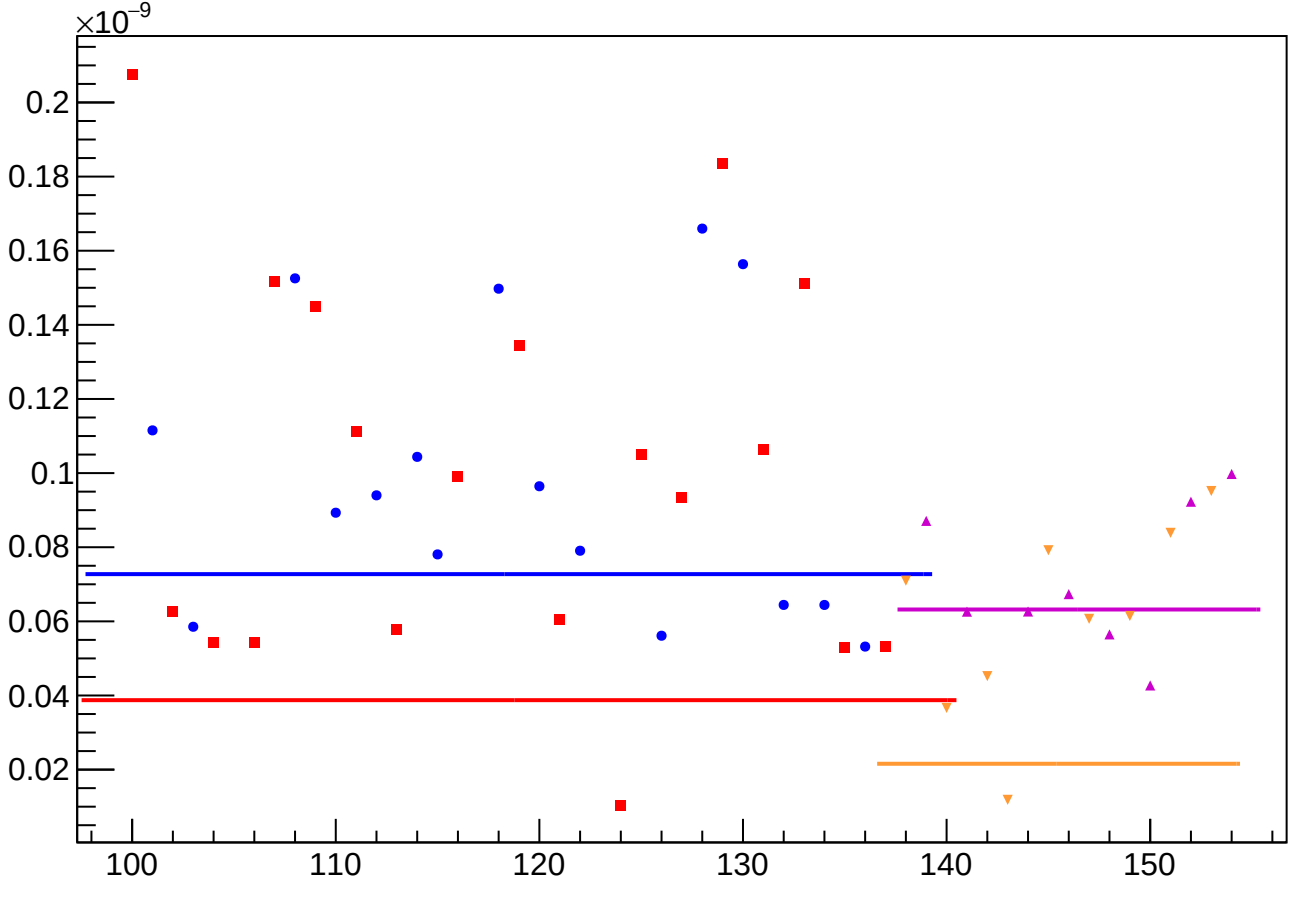
Left: -0.000+/-0.000 χ^2/NDF: 9.2/16

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:19.0/23

Out: -0.000+/-0.000 χ^2/NDF:37.1/27

All: -0.000+/-0.000 χ^2/NDF: 56.1/51



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:596002.7/7

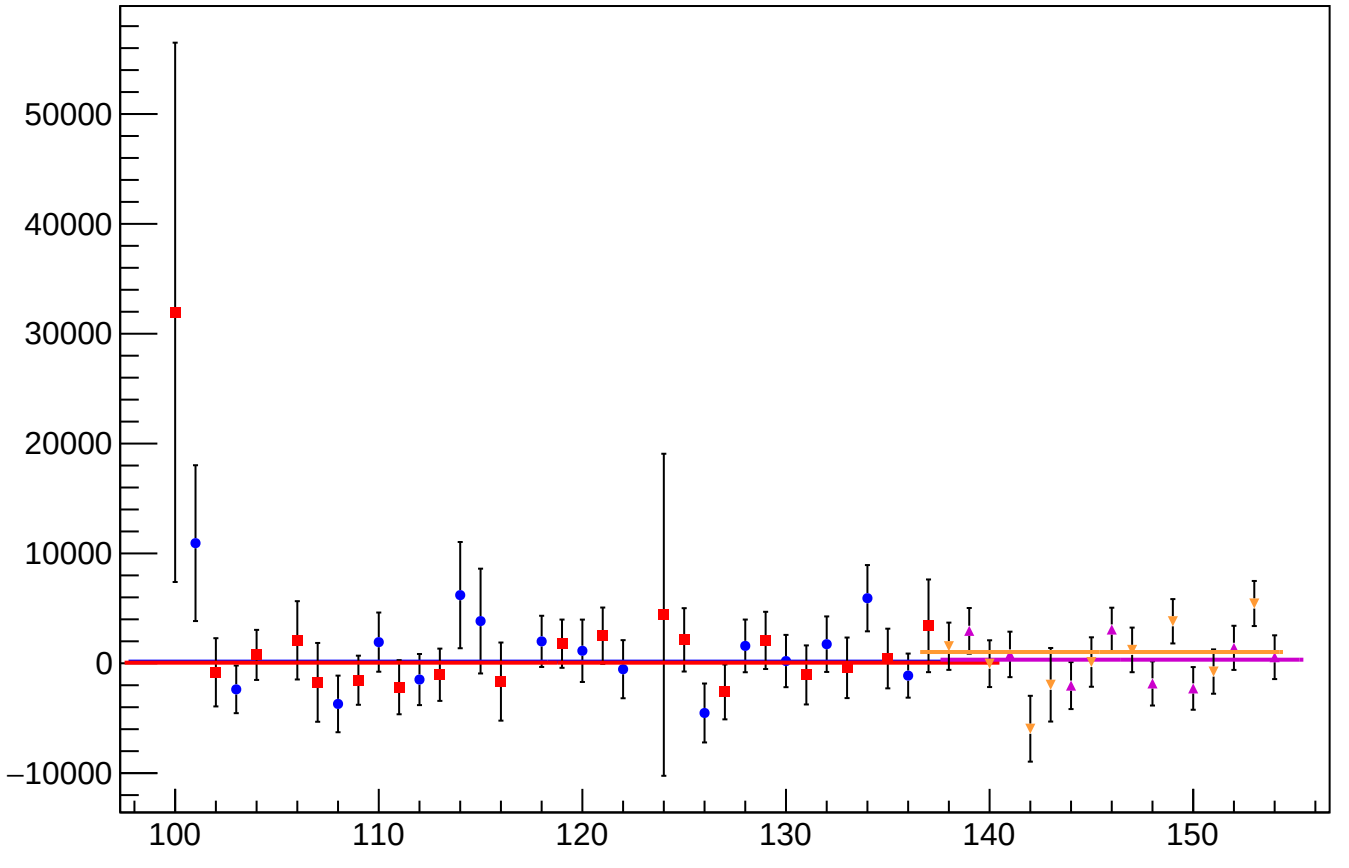
Left: 0.000+/-0.000 χ^2/NDF: 8167203.7/16

Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1802719.7/23

Out: 0.000+/-0.000 χ^2/NDF:9437043.4/27

All: 0.000+/-0.000 χ^2/NDF: 16179741.6/51



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: 326.378+/-716.205 χ^2/NDF:8.1/7

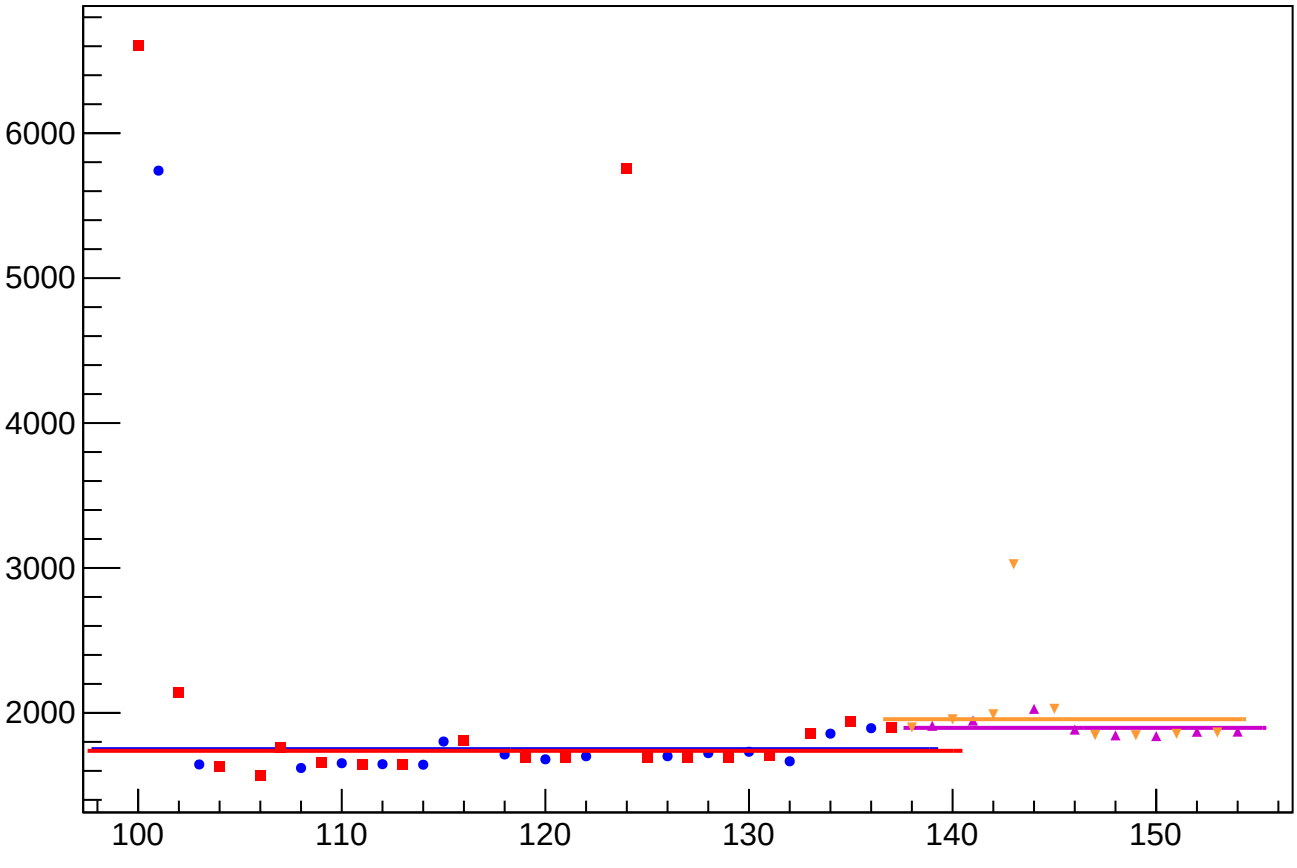
Left: 662.559+/-516.047 χ^2/NDF: 22.5/16

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 232.313+/-488.121 χ^2/NDF:25.7/23

Out: 478.336+/-491.796 χ^2/NDF:24.0/27

All: 354.401+/-346.446 χ^2/NDF: 49.8/51



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: 1896.809+/-0.506 χ^2/NDF:12603.2/7

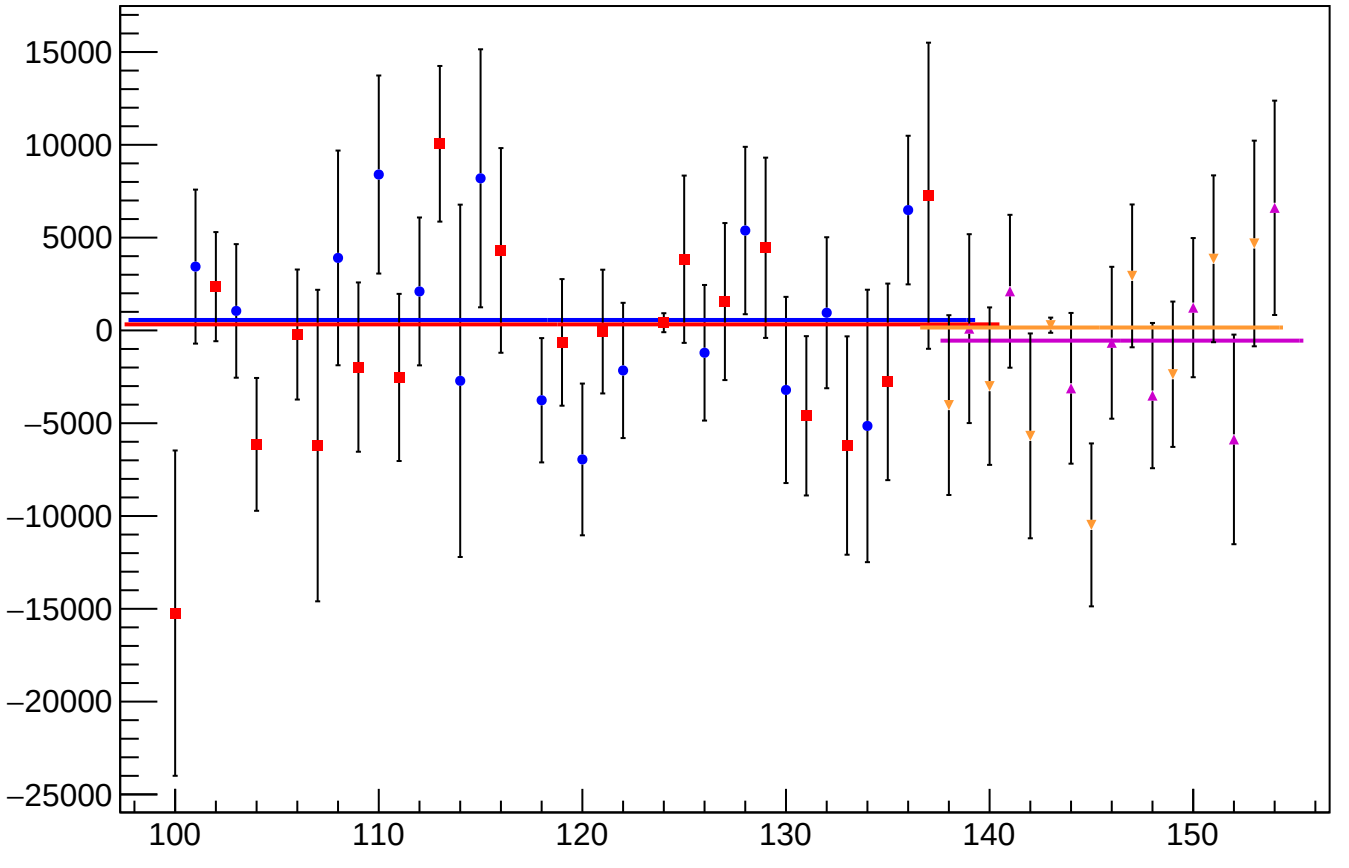
Left: 1925.617+/-0.365 χ^2/NDF: 247700.0/16

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1818.119+/-0.345 χ^2/NDF:727263.9/23

Out: 1833.005+/-0.346 χ^2/NDF:630355.5/27

All: 1825.537+/-0.244 χ^2/NDF: 1358546.2/51



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: -550.660+/-1550.954 χ^2/NDF:4.1/7

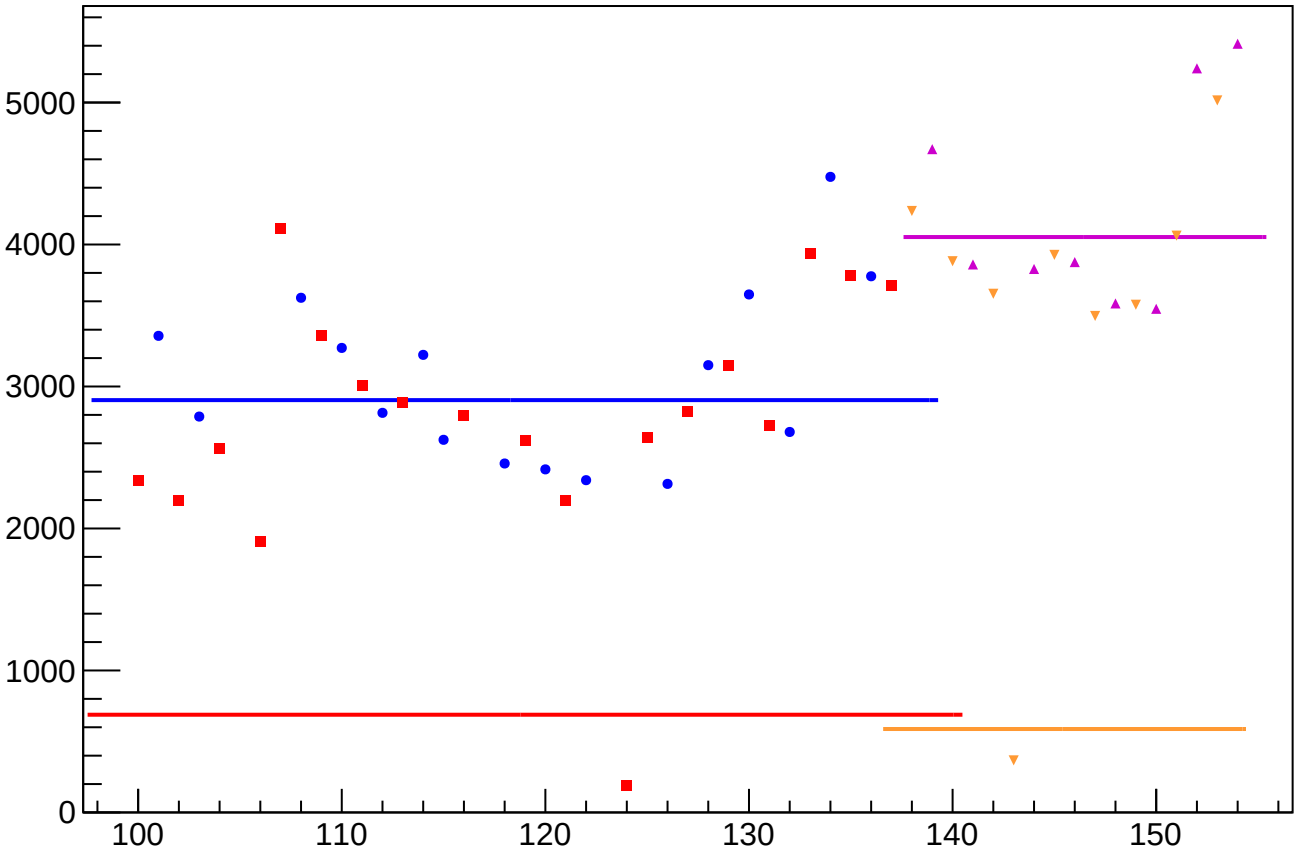
Left: 113.444+/-383.803 χ^2/NDF: 14.9/16

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 189.323+/-897.873 χ^2/NDF:19.2/23

Out: 229.010+/-299.594 χ^2/NDF:30.0/27

All: 225.034+/-284.191 χ^2/NDF: 49.2/51



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: 4052.608+/-1.097 χ^2/NDF:308474.9/7

Left: 799.892+/-0.271 χ^2/NDF: 19158239.4/16

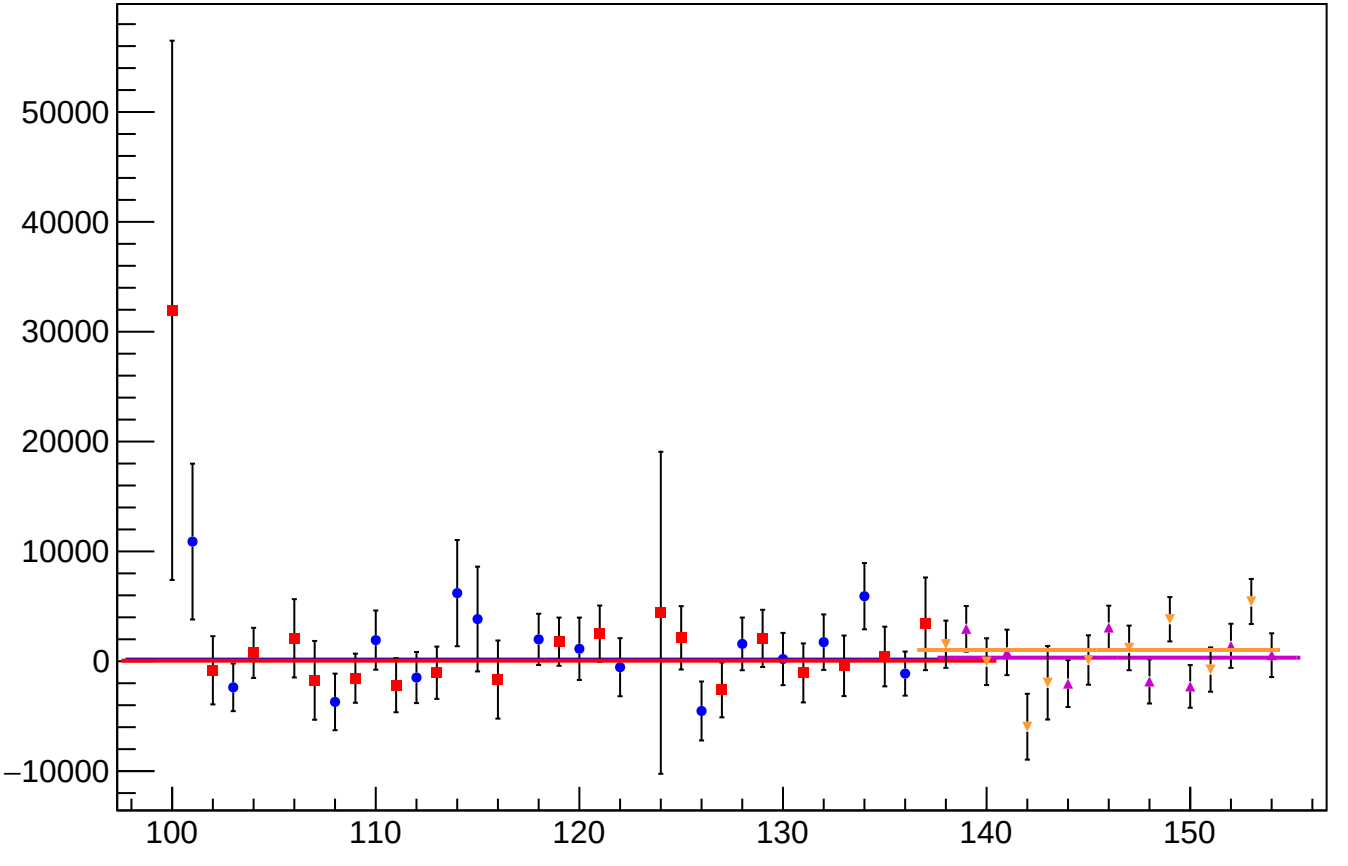
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3288.989+/-0.635 χ^2/NDF:1517469.0/23

Out: 630.770+/-0.212 χ^2/NDF:19683264.6/27

All: 897.075+/-0.201 χ^2/NDF: 36974533.7/51

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: 326.358+/-716.205 χ^2/NDF:8.1/7

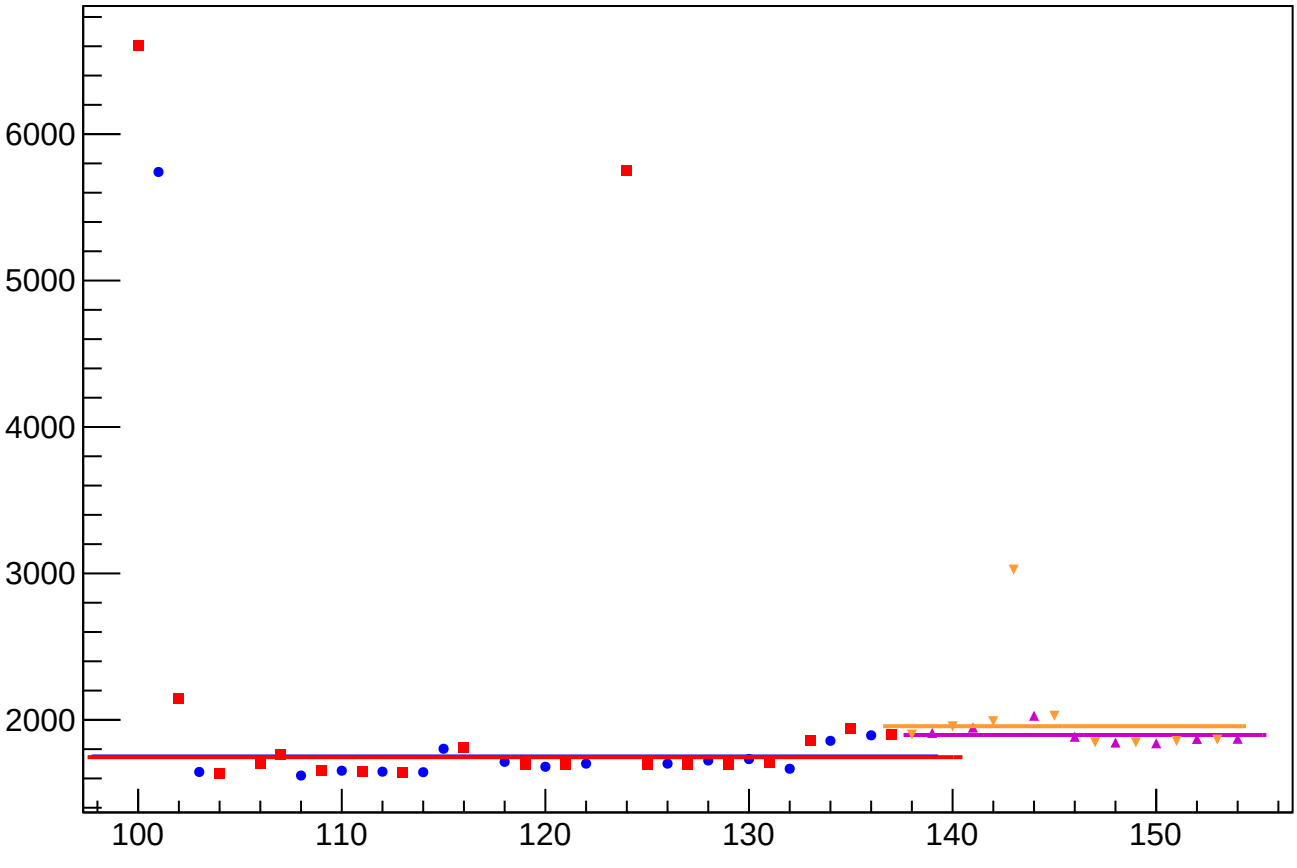
Left: 662.518+/-516.047 χ^2/NDF: 22.5/16

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 232.053+/-488.121 χ^2/NDF:25.7/23

Out: 478.337+/-491.796 χ^2/NDF:24.0/27

All: 354.271+/-346.446 χ^2/NDF: 49.8/51



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: 1896.810+/-0.506 χ^2/NDF:12603.2/7

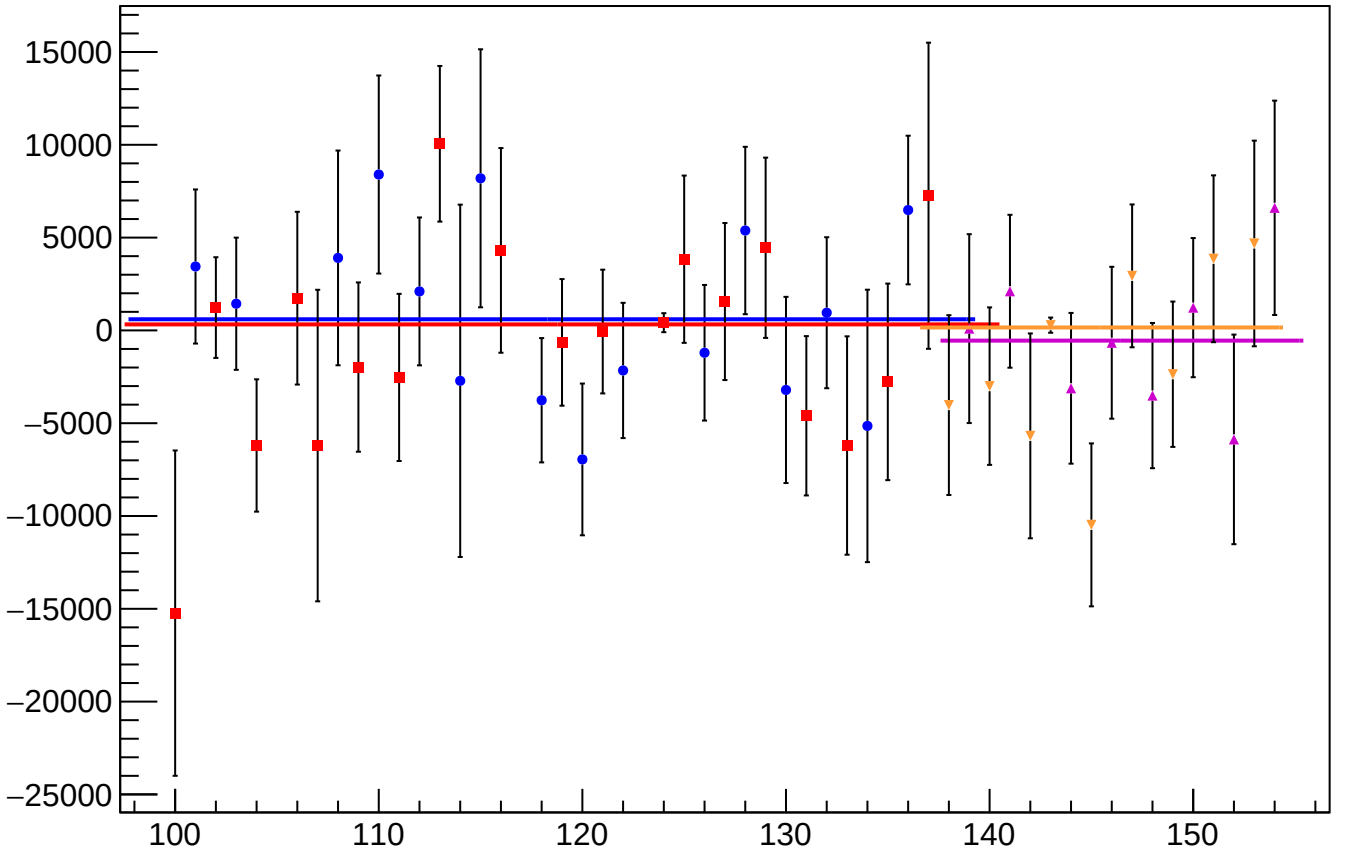
Left: 1925.617+/-0.365 χ^2/NDF: 247700.0/16

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1818.119+/-0.345 χ^2/NDF:727264.3/23

Out: 1837.176+/-0.347 χ^2/NDF:617663.8/27

All: 1827.596+/-0.245 χ^2/NDF: 1346444.0/51



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: -550.756+/-1550.950 χ^2/NDF:4.1/7

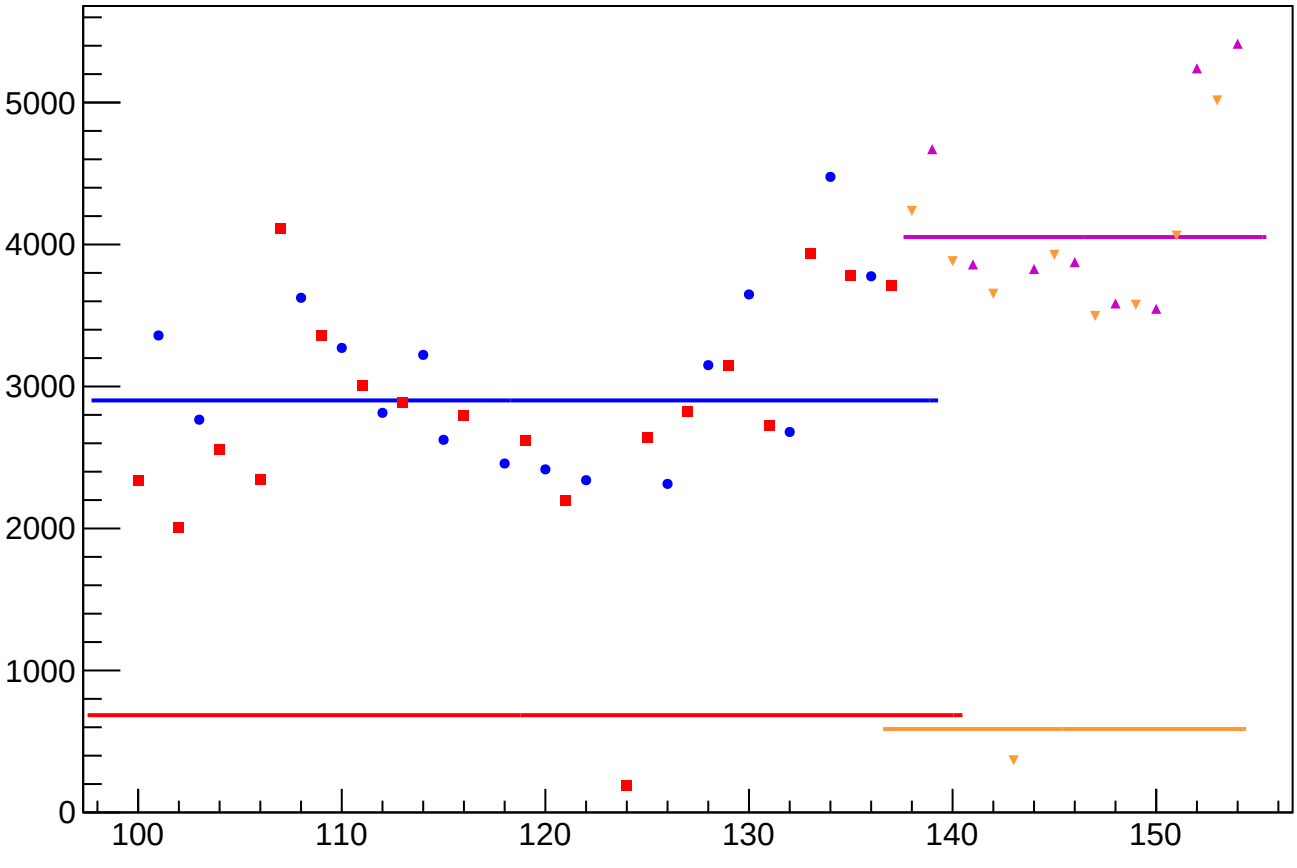
Left: 114.332+/-383.833 χ^2/NDF: 14.9/16

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 214.946+/-897.310 χ^2/NDF:19.3/23

Out: 228.376+/-299.863 χ^2/NDF:29.7/27

All: 227.027+/-284.403 χ^2/NDF: 49.0/51



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: 4052.597+/-1.097 χ^2/NDF:308479.1/7

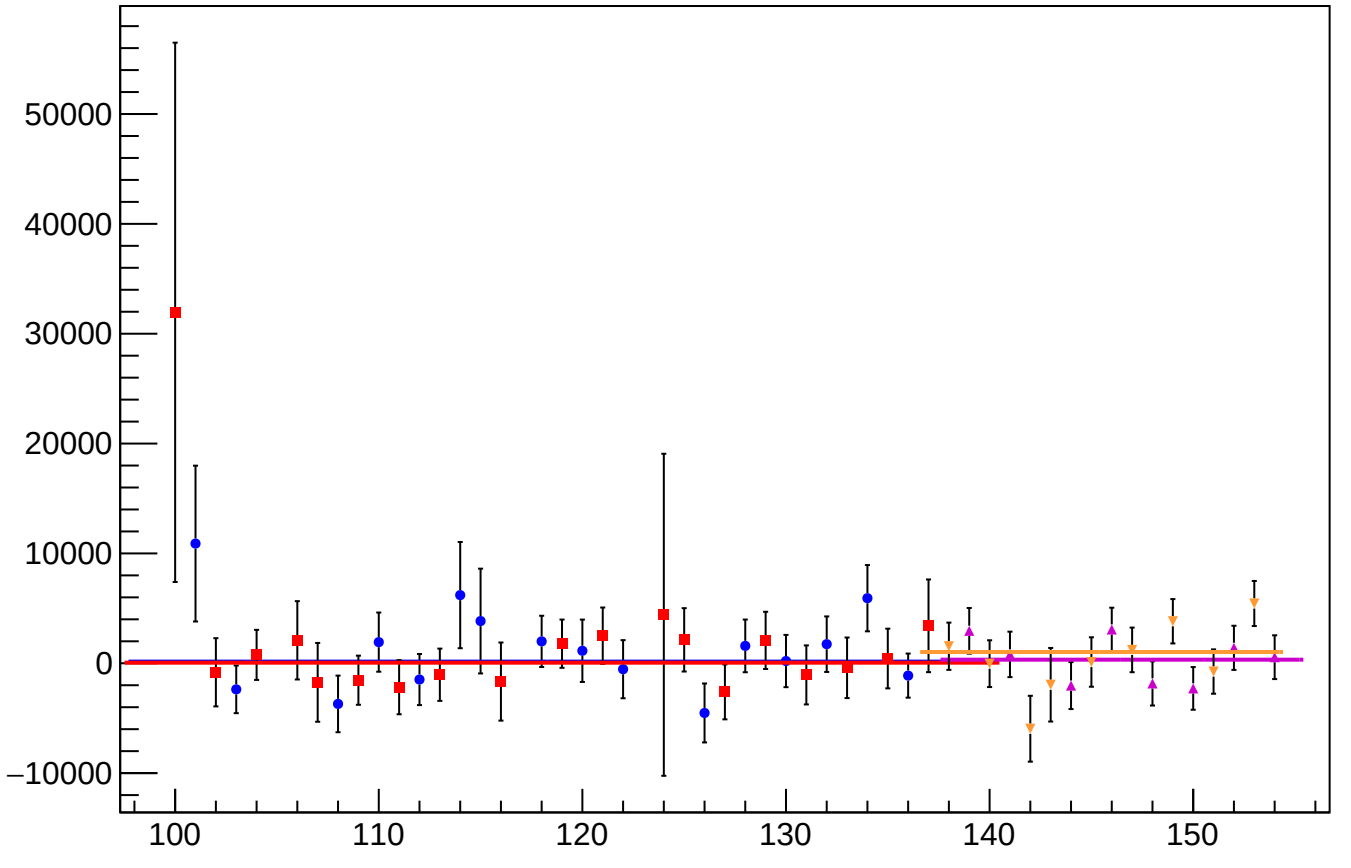
Left: 799.997+/-0.271 χ^2/NDF: 19157415.0/16

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3287.042+/-0.634 χ^2/NDF:1521877.3/23

Out: 629.411+/-0.212 χ^2/NDF:19636324.0/27

All: 896.391+/-0.201 χ^2/NDF: 36939988.1/51



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: 326.358+/-716.205 χ^2/NDF:8.1/7

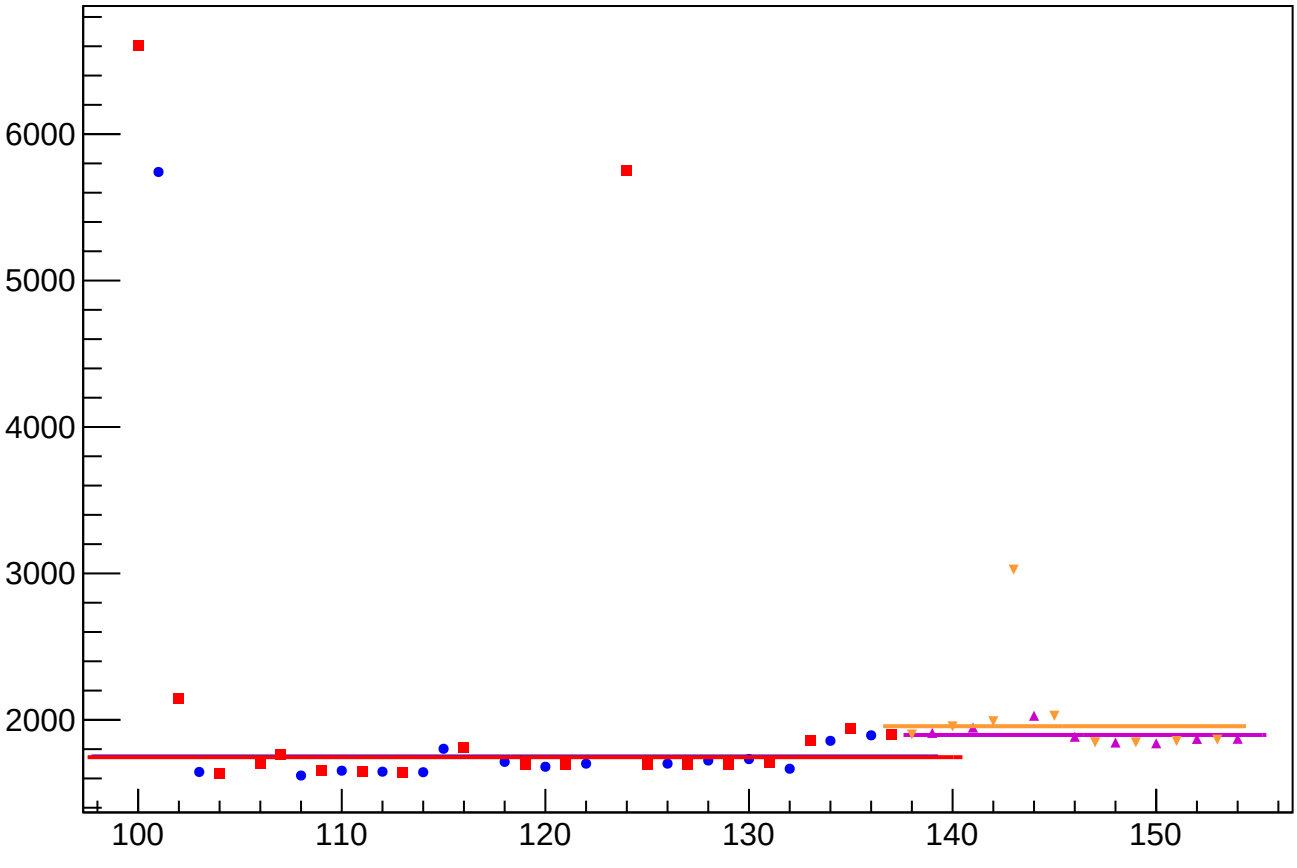
Left: 662.518+/-516.047 χ^2/NDF: 22.5/16

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 232.053+/-488.121 χ^2/NDF:25.7/23

Out: 478.337+/-491.796 χ^2/NDF:24.0/27

All: 354.271+/-346.446 χ^2/NDF: 49.8/51



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: 1896.810+/-0.506 χ^2/NDF:12603.2/7

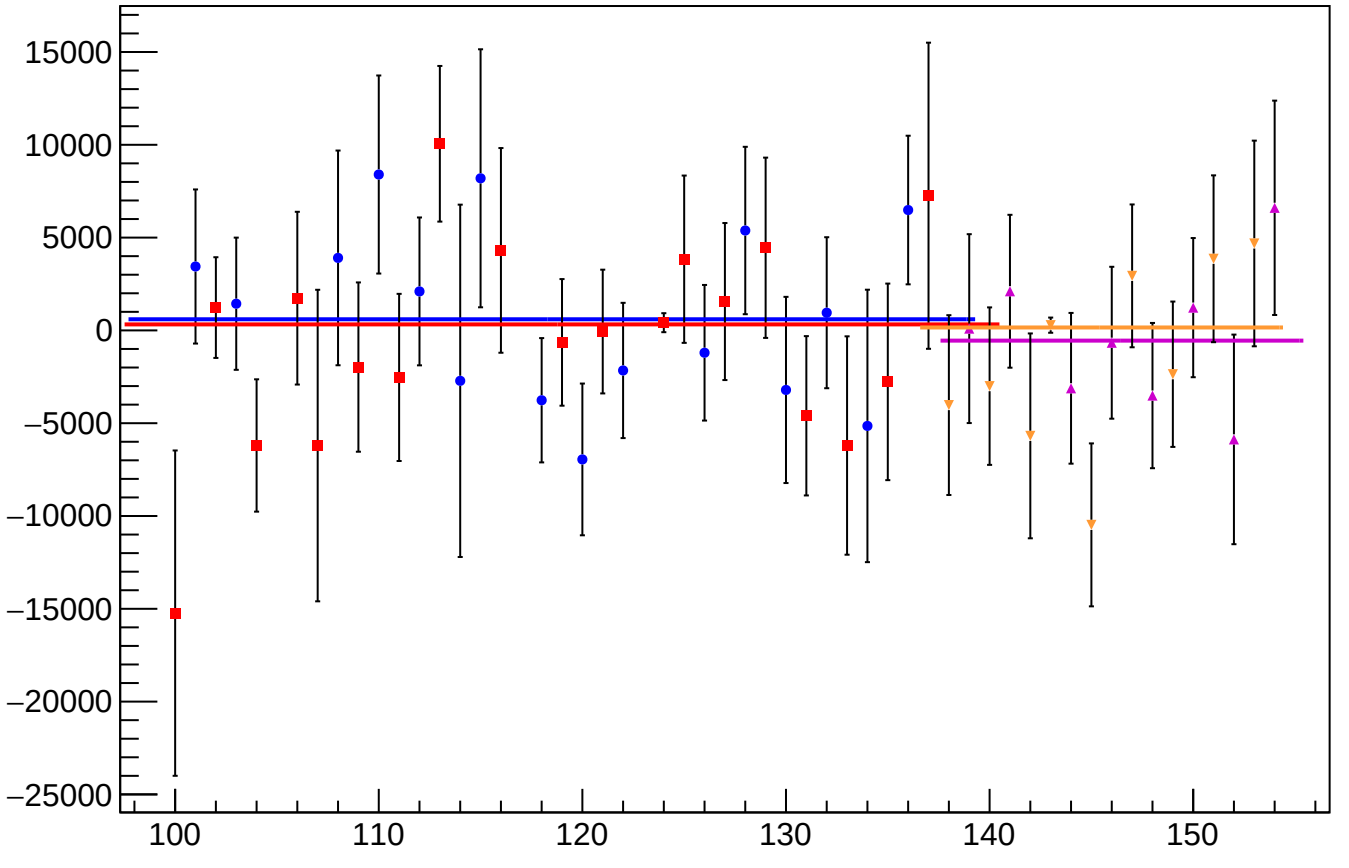
Left: 1925.617+/-0.365 χ^2/NDF: 247700.0/16

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1818.119+/-0.345 χ^2/NDF:727264.3/23

Out: 1837.176+/-0.347 χ^2/NDF:617663.8/27

All: 1827.596+/-0.245 χ^2/NDF: 1346444.0/51



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: -550.756+/-1550.950 χ^2/NDF:4.1/7

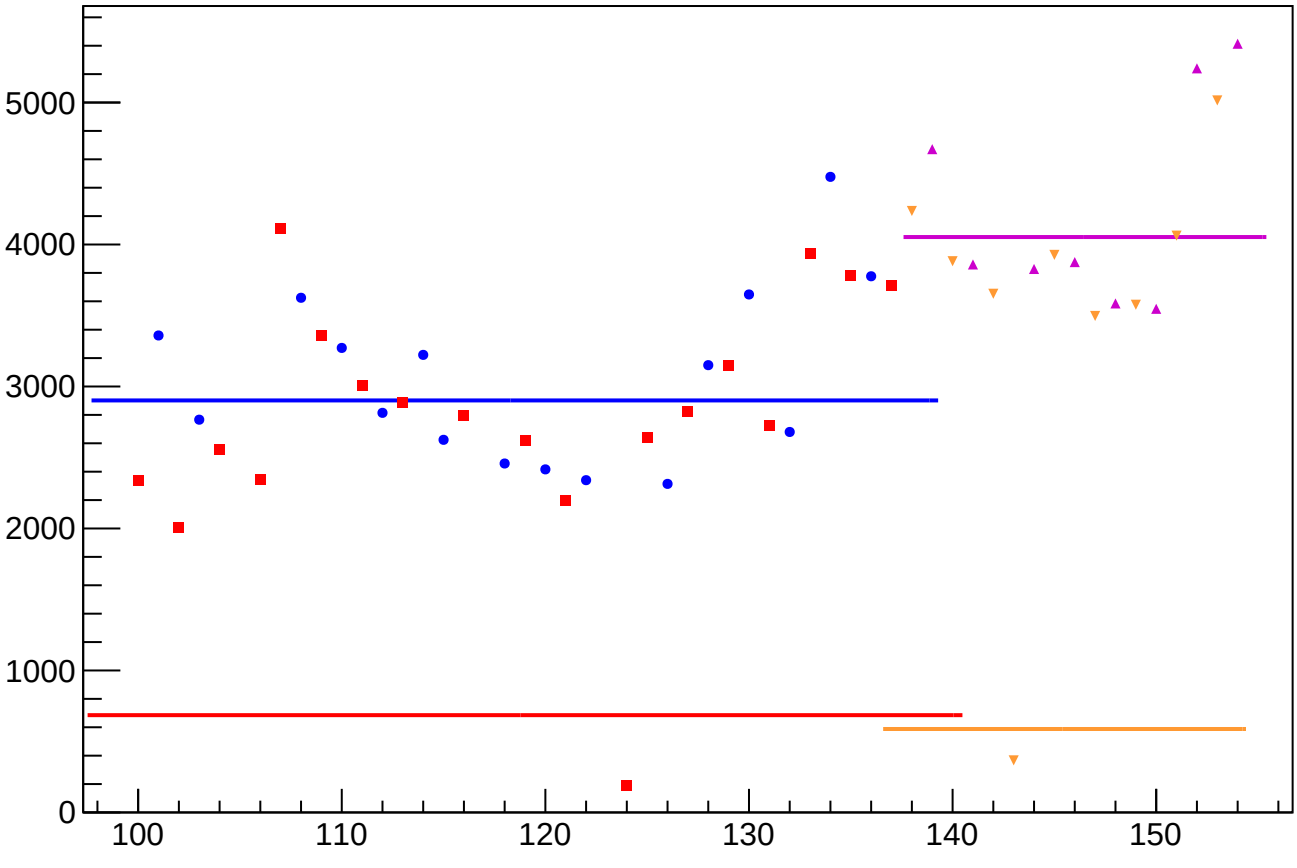
Left: 114.332+/-383.833 χ^2/NDF: 14.9/16

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 214.946+/-897.310 χ^2/NDF:19.3/23

Out: 228.376+/-299.863 χ^2/NDF:29.7/27

All: 227.027+/-284.403 χ^2/NDF: 49.0/51



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: 4052.597+/-1.097 χ^2/NDF:308479.1/7

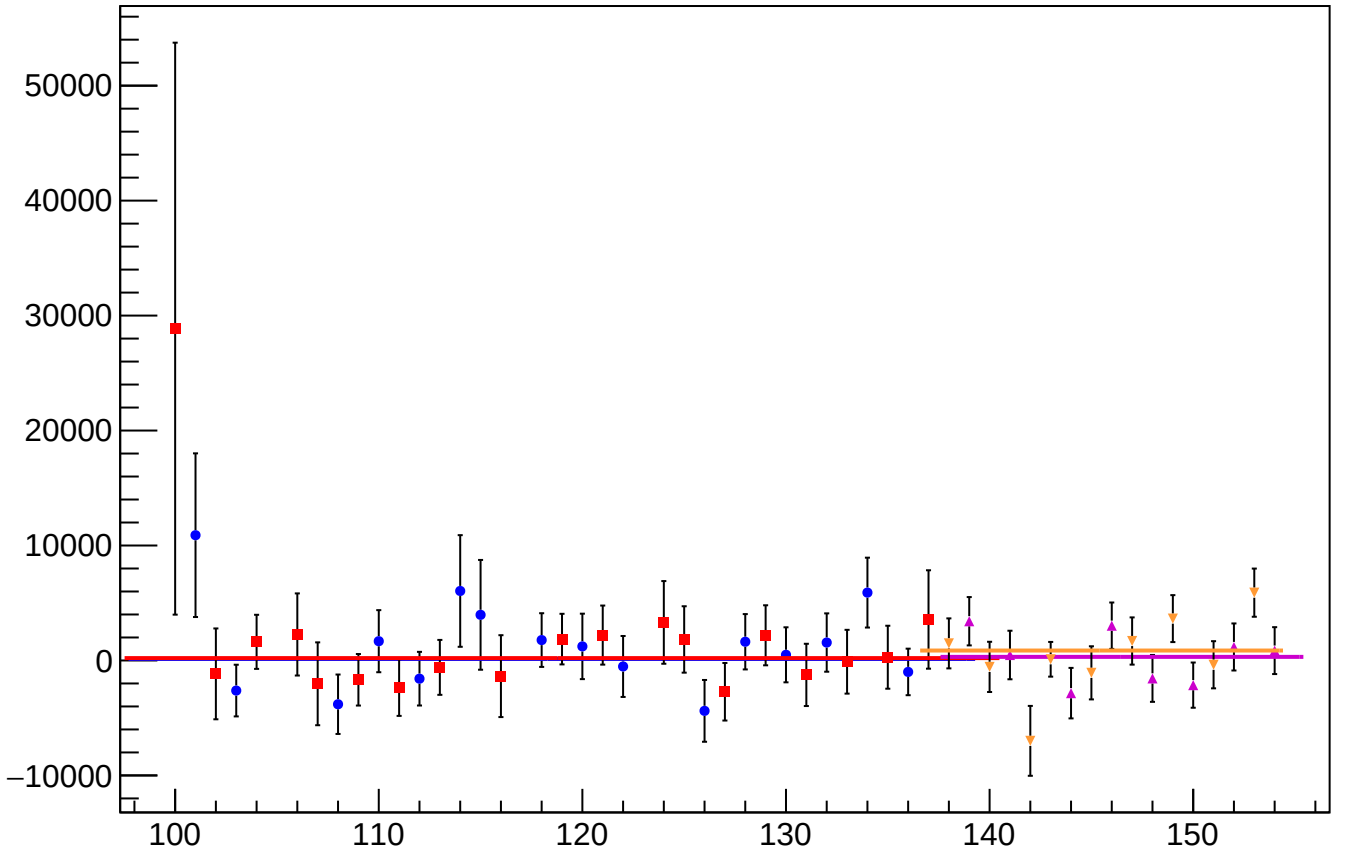
Left: 799.997+/-0.271 χ^2/NDF: 19157415.0/16

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3287.042+/-0.634 χ^2/NDF:1521877.3/23

Out: 629.411+/-0.212 χ^2/NDF:19636324.0/27

All: 896.391+/-0.201 χ^2/NDF: 36939988.1/51



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: 313.066+/-729.013 χ^2/NDF:8.7/7

Left: 603.832+/-501.319 χ^2/NDF: 25.3/16

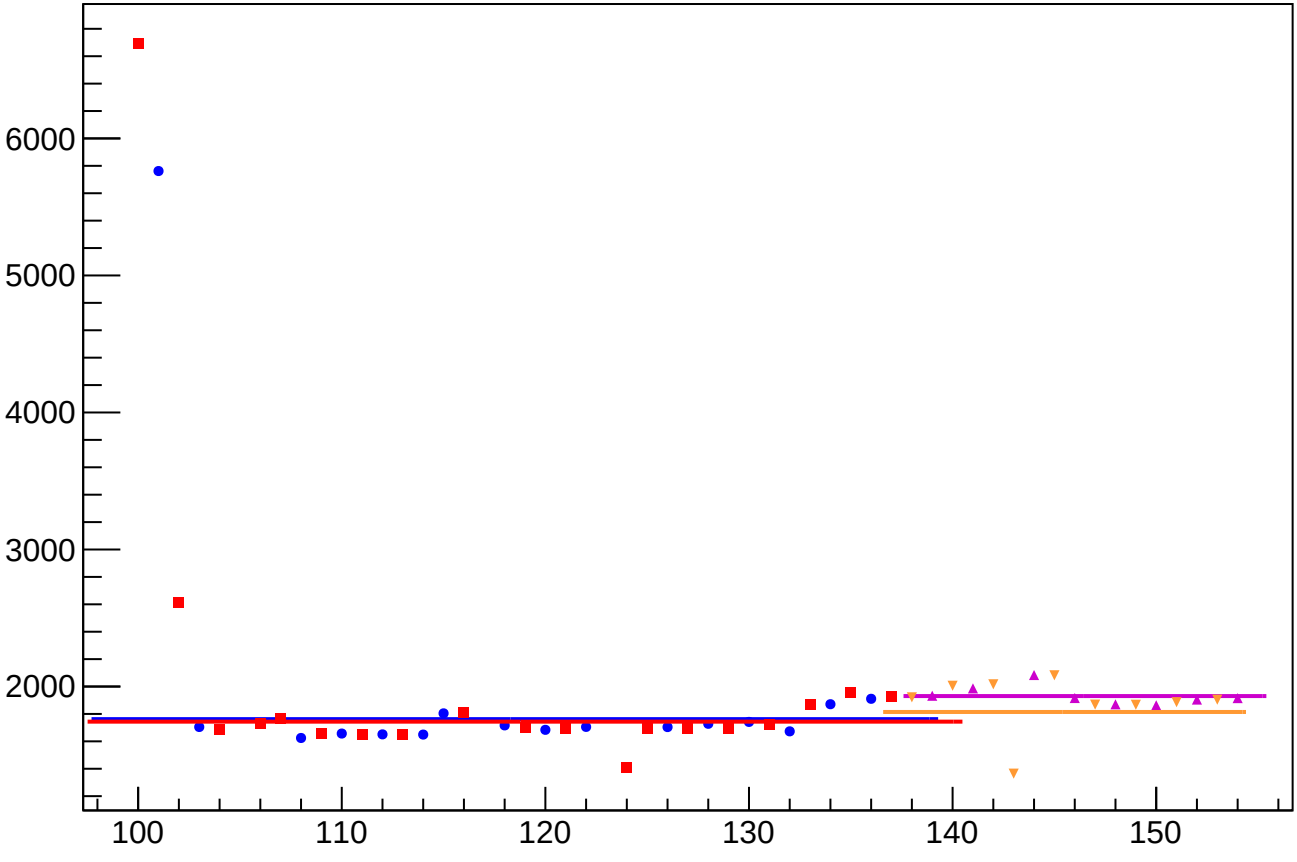
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 216.120+/-493.953 χ^2/NDF:26.0/23

Out: 517.396+/-474.997 χ^2/NDF:26.5/27

All: 372.650+/-342.379 χ^2/NDF: 52.7/51

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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: 1930.426+/-0.515 χ^2/NDF:15802.8/7

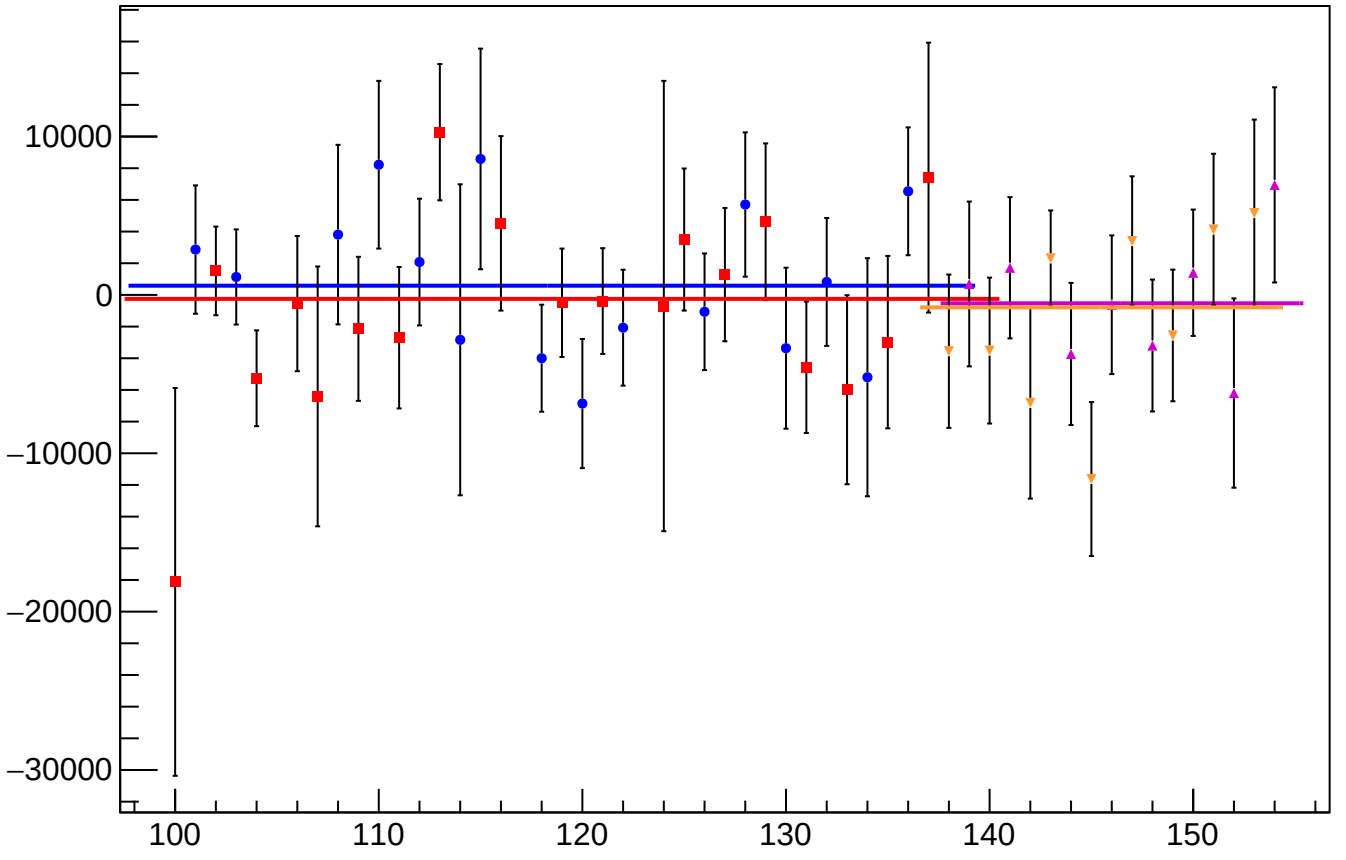
Left: 1869.246+/-0.354 χ^2/NDF: 284878.2/16

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1839.351+/-0.349 χ^2/NDF:741207.0/23

Out: 1777.048+/-0.335 χ^2/NDF:481171.3/27

All: 1806.934+/-0.242 χ^2/NDF: 1238933.9/51



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -787.663+/-1476.454 χ^2/NDF:11.0/8

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -529.467+/-1657.895 χ^2/NDF:3.8/7

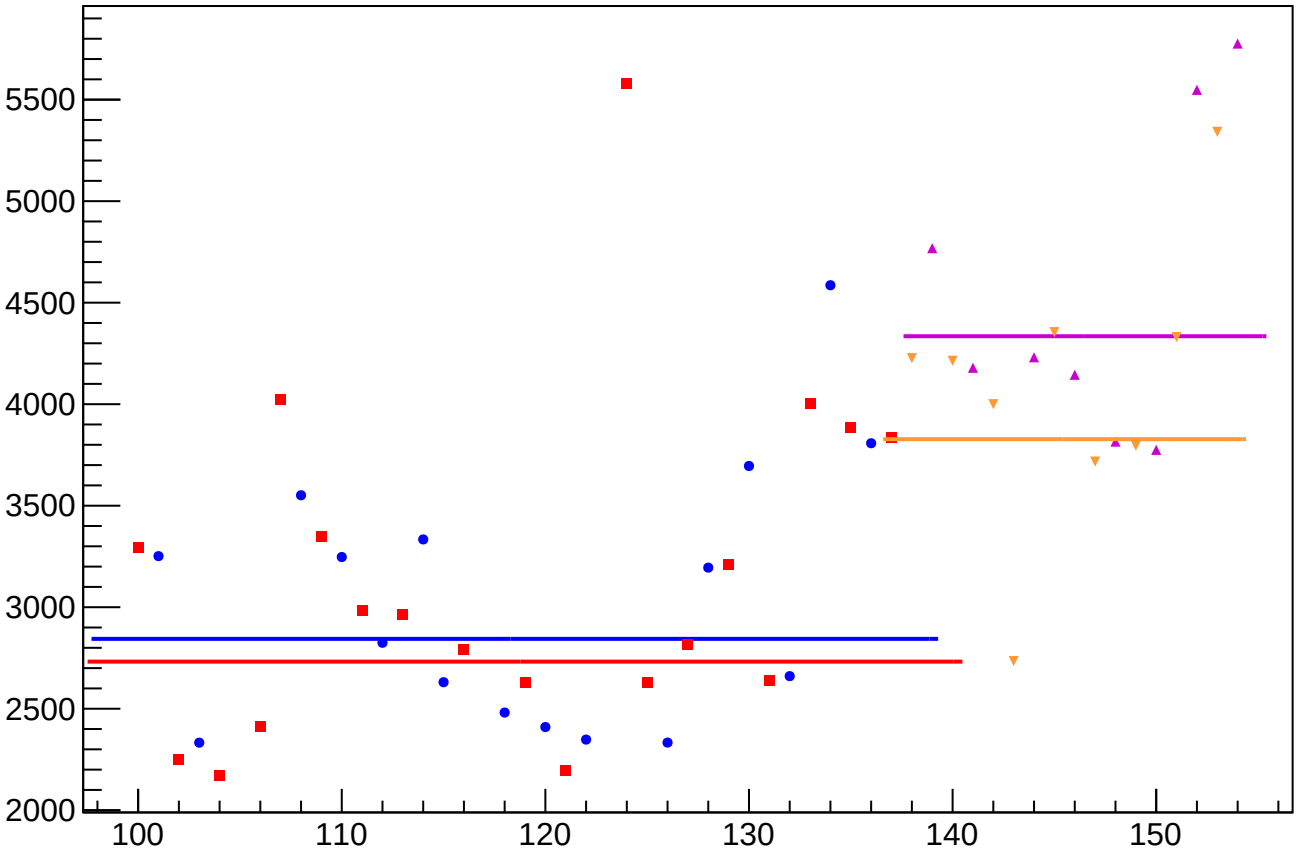
Left: -673.461+/-1102.600 χ^2/NDF: 14.8/16

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 250.380+/-905.799 χ^2/NDF:19.0/23

Out: -424.090+/-839.774 χ^2/NDF:29.0/27

All: -112.330+/-615.830 χ^2/NDF: 48.3/51



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: 4334.772+/-1.172 χ^2/NDF:283507.9/7

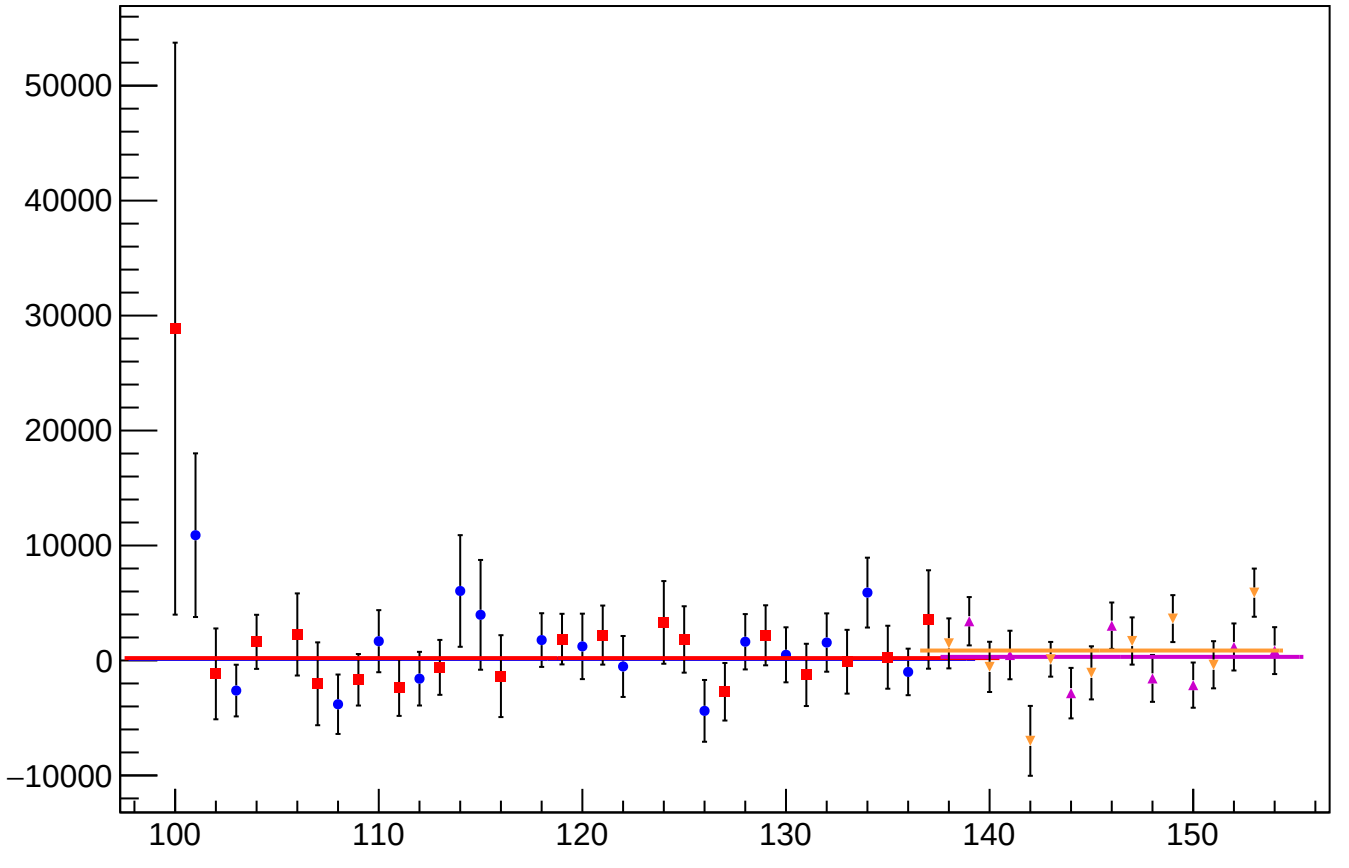
Left: 4051.907+/-0.780 χ^2/NDF: 856774.6/16

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3289.108+/-0.640 χ^2/NDF:1959702.2/23

Out: 3086.409+/-0.594 χ^2/NDF:1825133.8/27

All: 3180.103+/-0.435 χ^2/NDF: 3838695.7/51



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: 313.064+/-729.014 χ^2/NDF:8.7/7

Left: 603.829+/-501.319 χ^2/NDF: 25.3/16

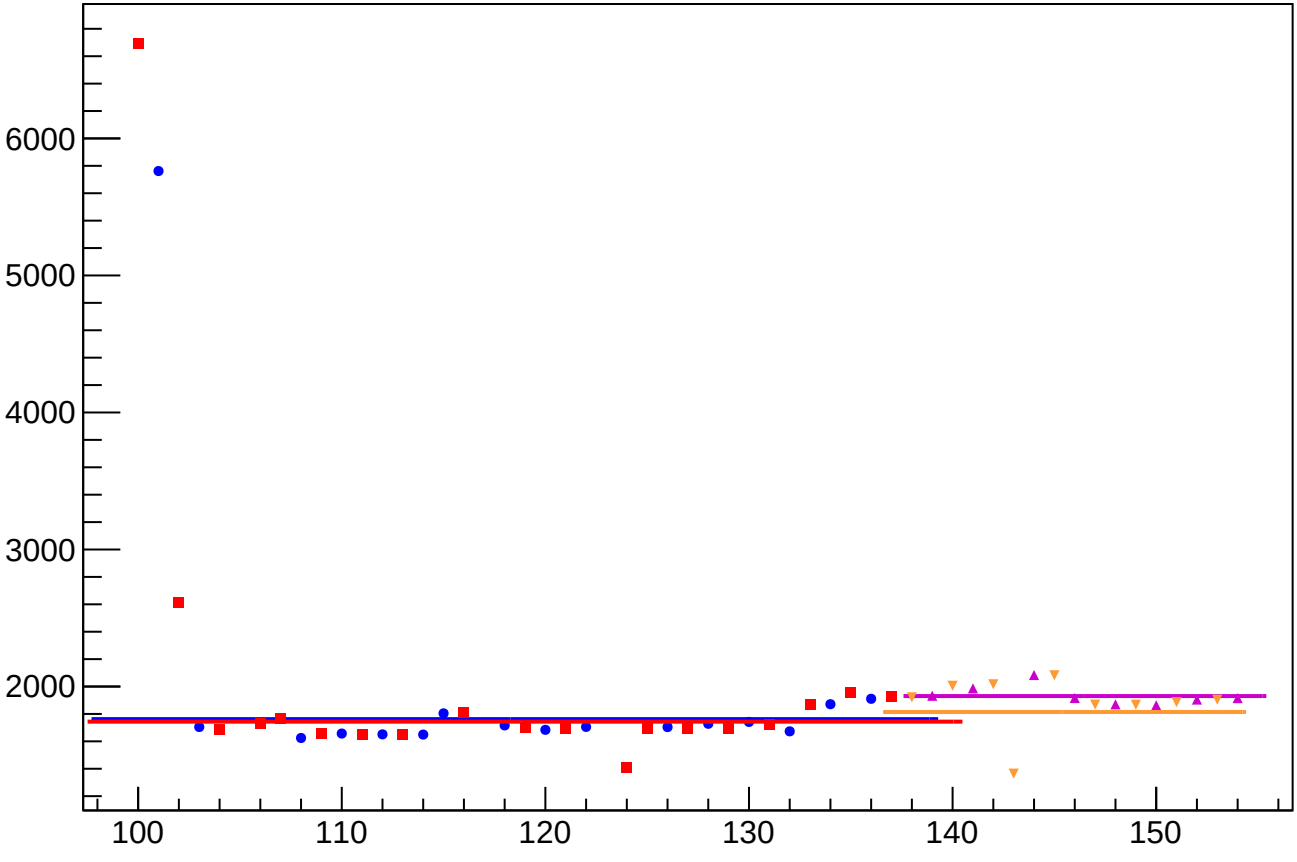
Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 216.118+/-493.953 χ^2/NDF:26.0/23

Out: 517.392+/-474.997 χ^2/NDF:26.5/27

All: 372.647+/-342.379 χ^2/NDF: 52.7/51

eigen_dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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: 1930.427+/-0.515 χ^2/NDF:15803.0/7

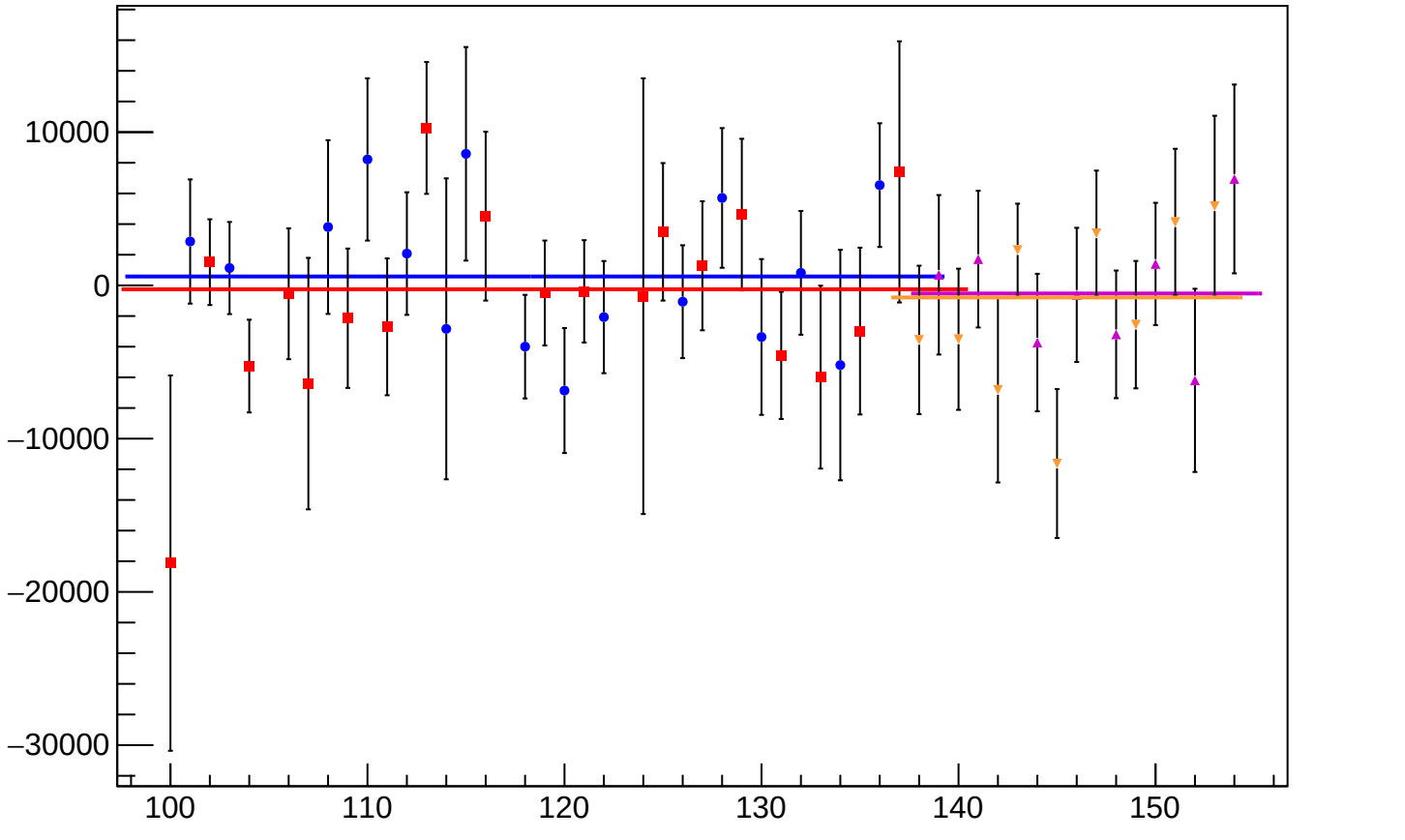
Left: 1869.247+/-0.354 χ^2/NDF: 284879.5/16

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1839.352+/-0.349 χ^2/NDF:741207.7/23

Out: 1777.048+/-0.335 χ^2/NDF:481172.4/27

All: 1806.934+/-0.242 χ^2/NDF: 1238935.9/51



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: -529.468+/-1657.897 χ^2/NDF:3.8/7

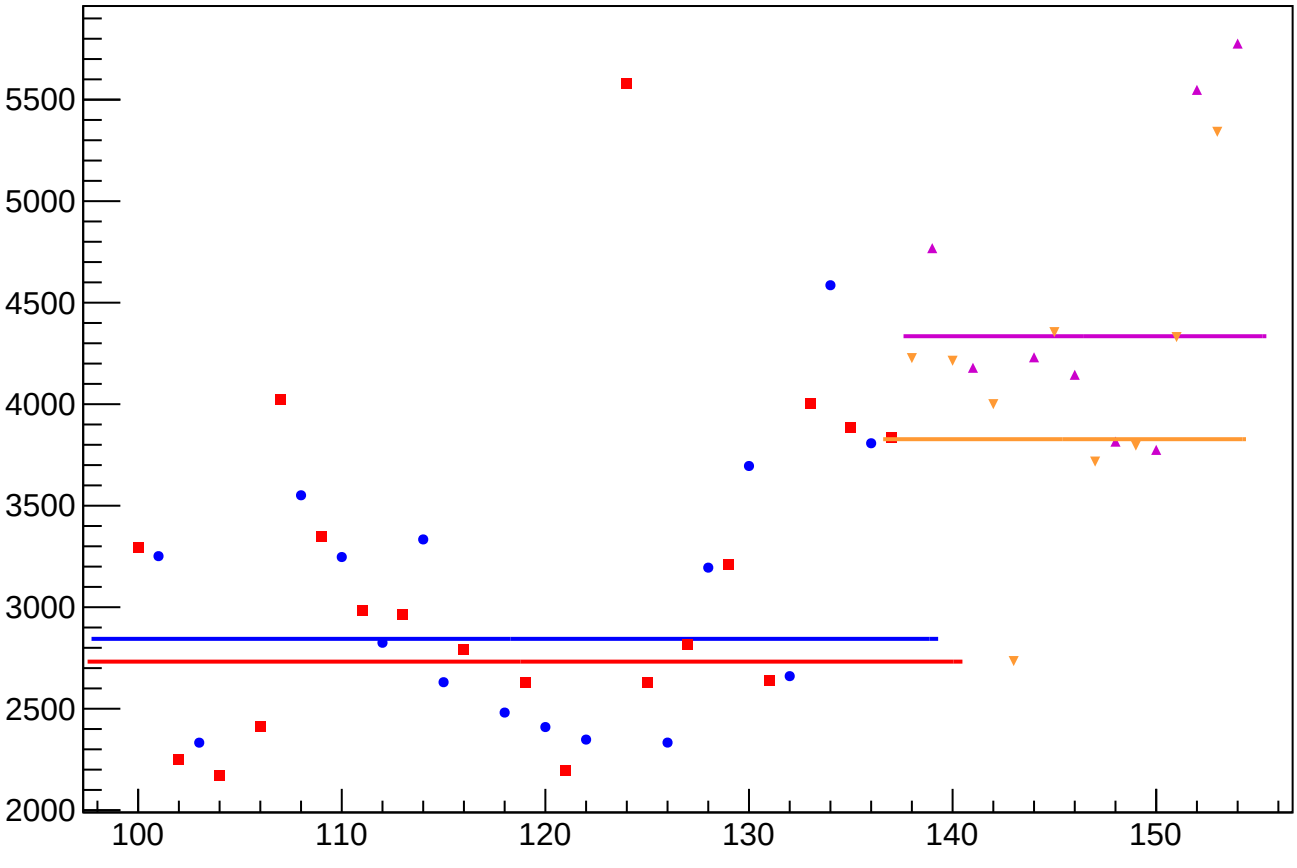
Left: -673.460+/-1102.602 χ^2/NDF: 14.8/16

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 250.378+/-905.797 χ^2/NDF:19.0/23

Out: -424.089+/-839.773 χ^2/NDF:29.0/27

All: -112.330+/-615.829 χ^2/NDF: 48.3/51



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: 4334.777+/-1.172 χ^2/NDF:283510.2/7

Left: 4051.911+/-0.780 χ^2/NDF: 856781.2/16

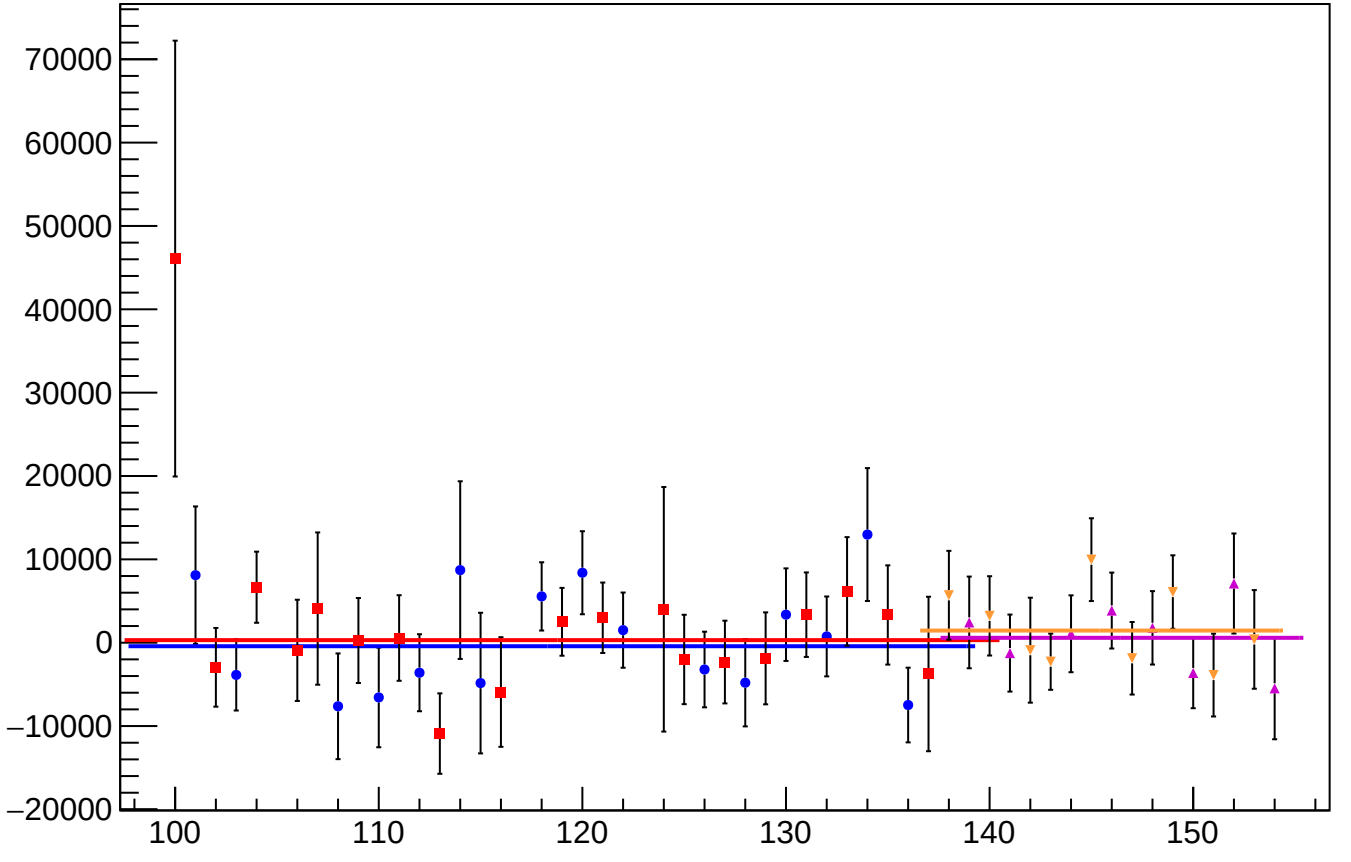
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3289.101+/-0.640 χ^2/NDF:1959727.7/23

Out: 3086.405+/-0.594 χ^2/NDF:1825147.7/27

All: 3180.097+/-0.435 χ^2/NDF: 3838734.1/51

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: 586.236+/-1722.135 χ^2/NDF:4.0/7

Left: 1062.744+/-1159.874 χ^2/NDF: 12.1/16

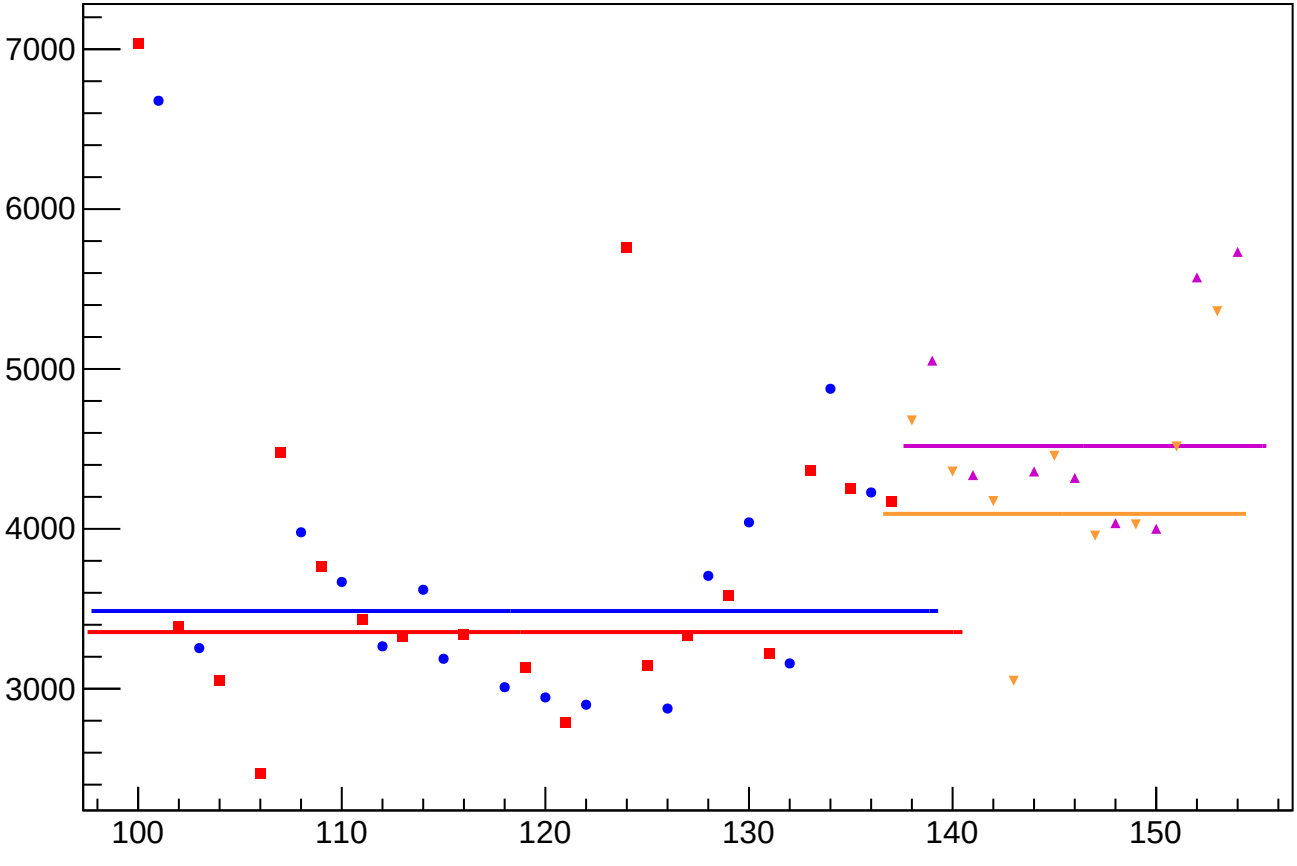
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -46.999+/-1051.267 χ^2/NDF:22.1/23

Out: 765.668+/-989.858 χ^2/NDF:23.5/27

All: 383.762+/-720.667 χ^2/NDF: 46.0/51

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: 4518.200+/-1.218 χ^2/NDF:222923.9/7

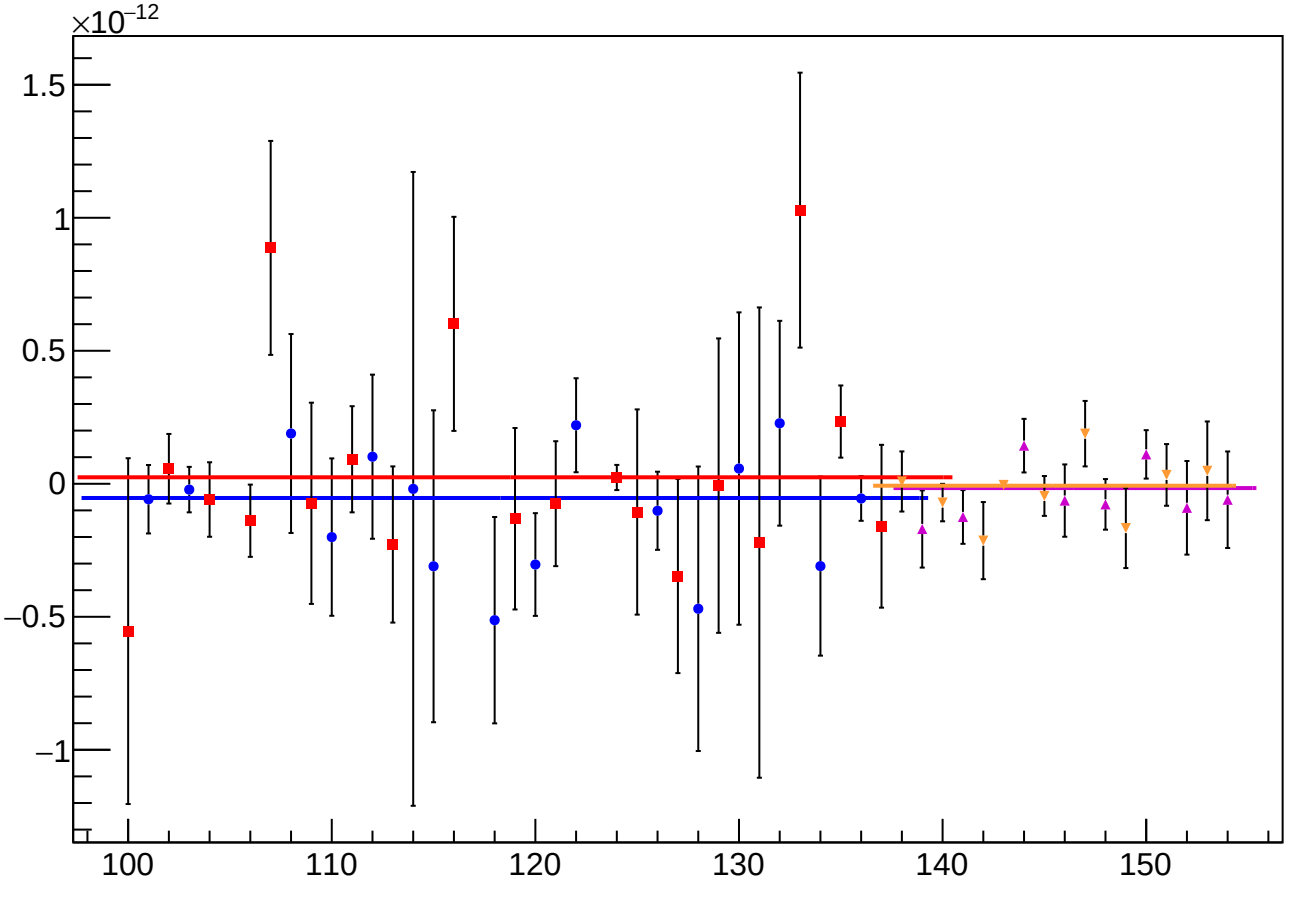
Left: 4286.306+/-0.820 χ^2/NDF: 630310.2/16

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3870.745+/-0.743 χ^2/NDF:1269322.5/23

Out: 3643.692+/-0.694 χ^2/NDF:987755.2/27

All: 3749.432+/-0.507 χ^2/NDF: 2306924.4/51



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:7.5/7

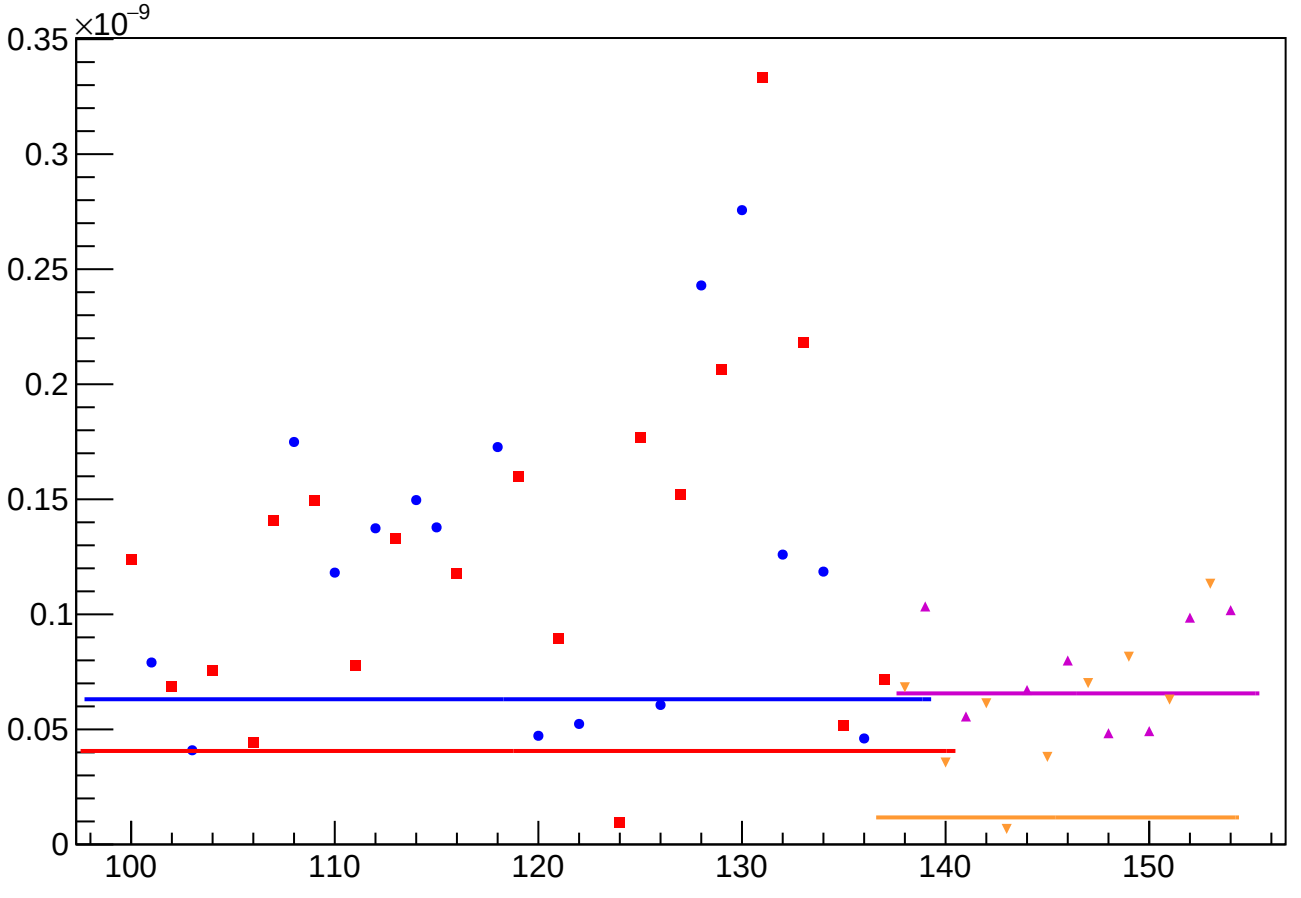
Left: -0.000+/-0.000 χ^2/NDF: 14.6/16

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:16.5/23

Out: -0.000+/-0.000 χ^2/NDF:26.1/27

All: -0.000+/-0.000 χ^2/NDF: 43.4/51



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:458467.1/7

Left: 0.000+/-0.000 χ^2/NDF: 7003169.2/16

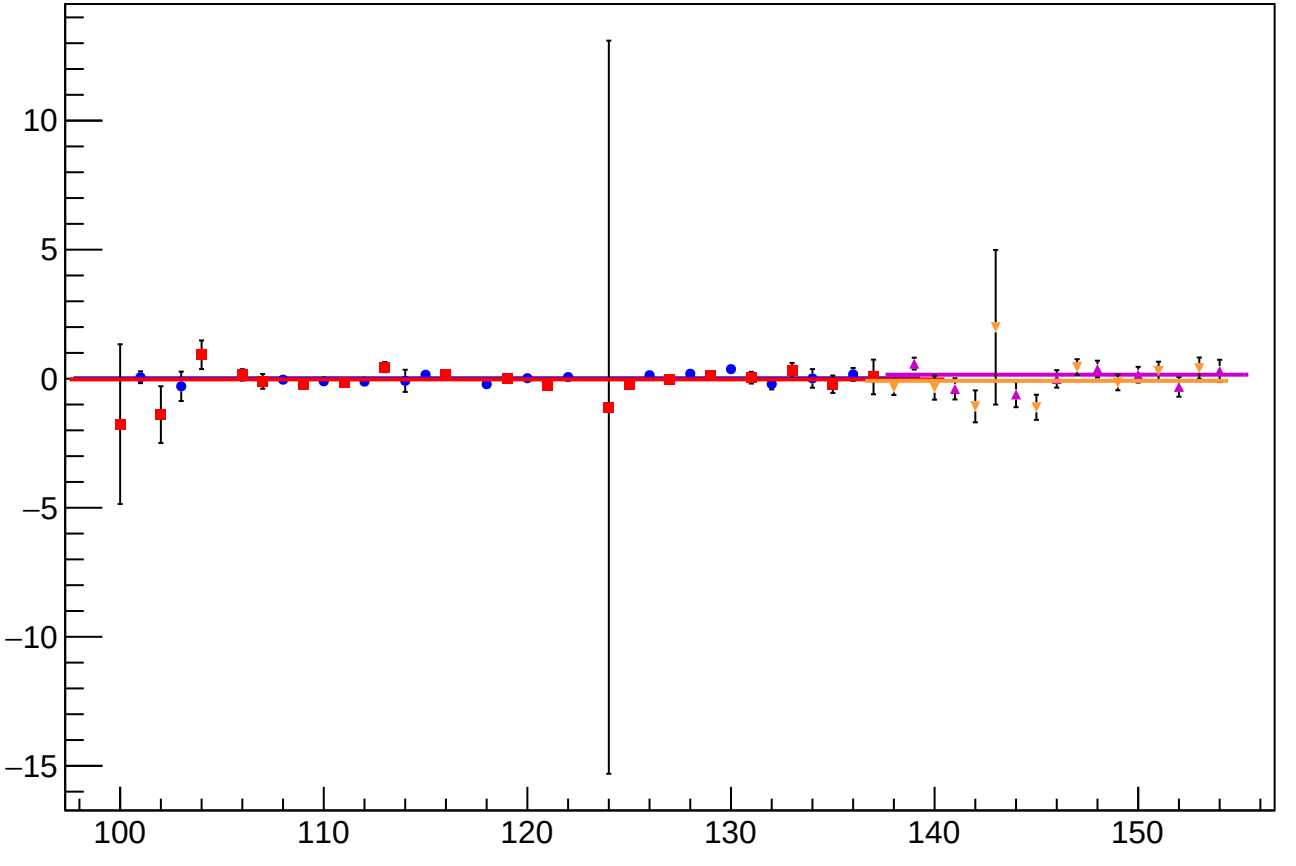
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1894020.8/23

Out: 0.000+/-0.000 χ^2/NDF:7724607.0/27

All: 0.000+/-0.000 χ^2/NDF: 14353595.7/51

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: 0.156+/-0.119 χ^2/NDF:10.0/7

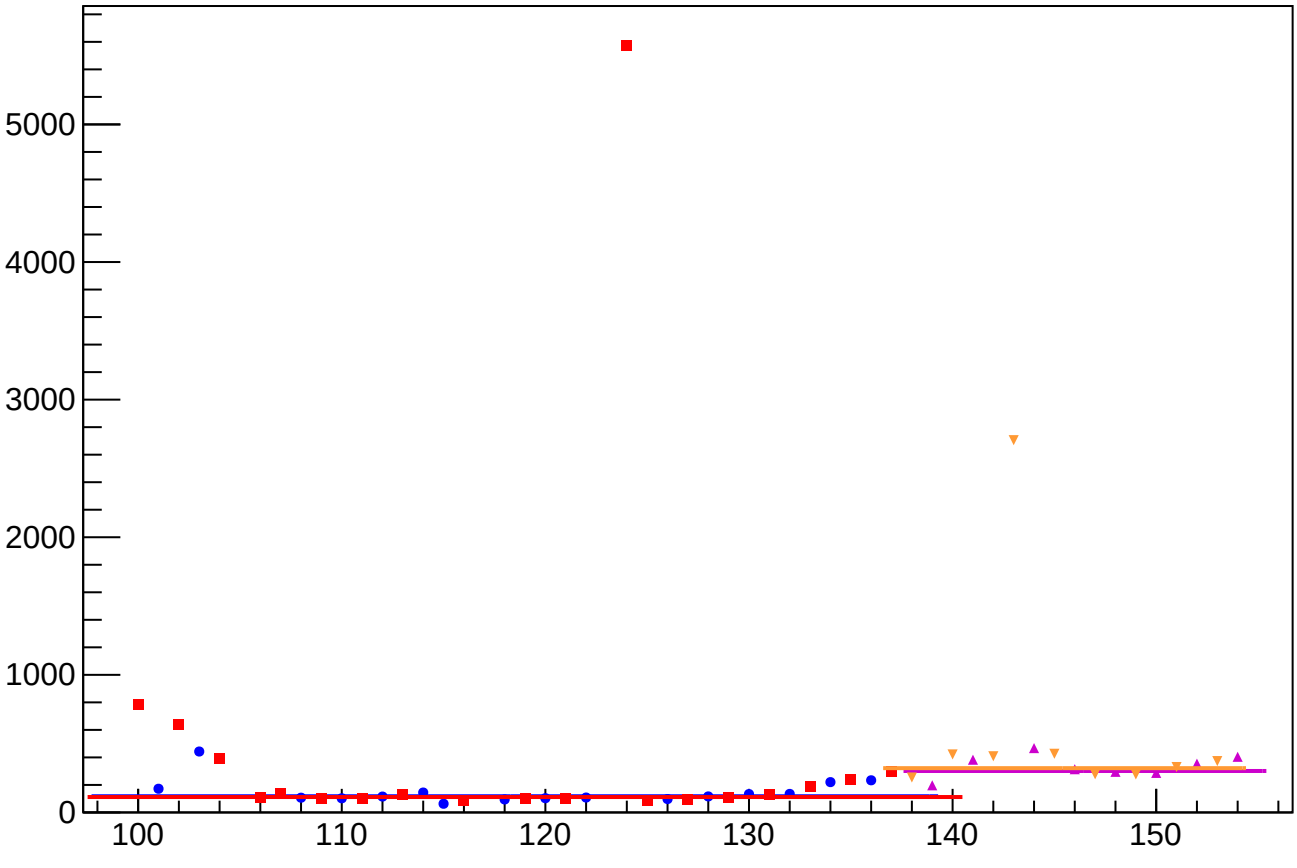
Left: 0.048+/-0.088 χ^2/NDF: 26.0/16

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.035+/-0.044 χ^2/NDF:23.0/23

Out: -0.032+/-0.044 χ^2/NDF:36.4/27

All: 0.001+/-0.031 χ^2/NDF: 60.6/51



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: 301.407+/-0.084 χ^2/NDF:879643.6/7

Left: 310.704+/-0.062 χ^2/NDF: 2622682.4/16

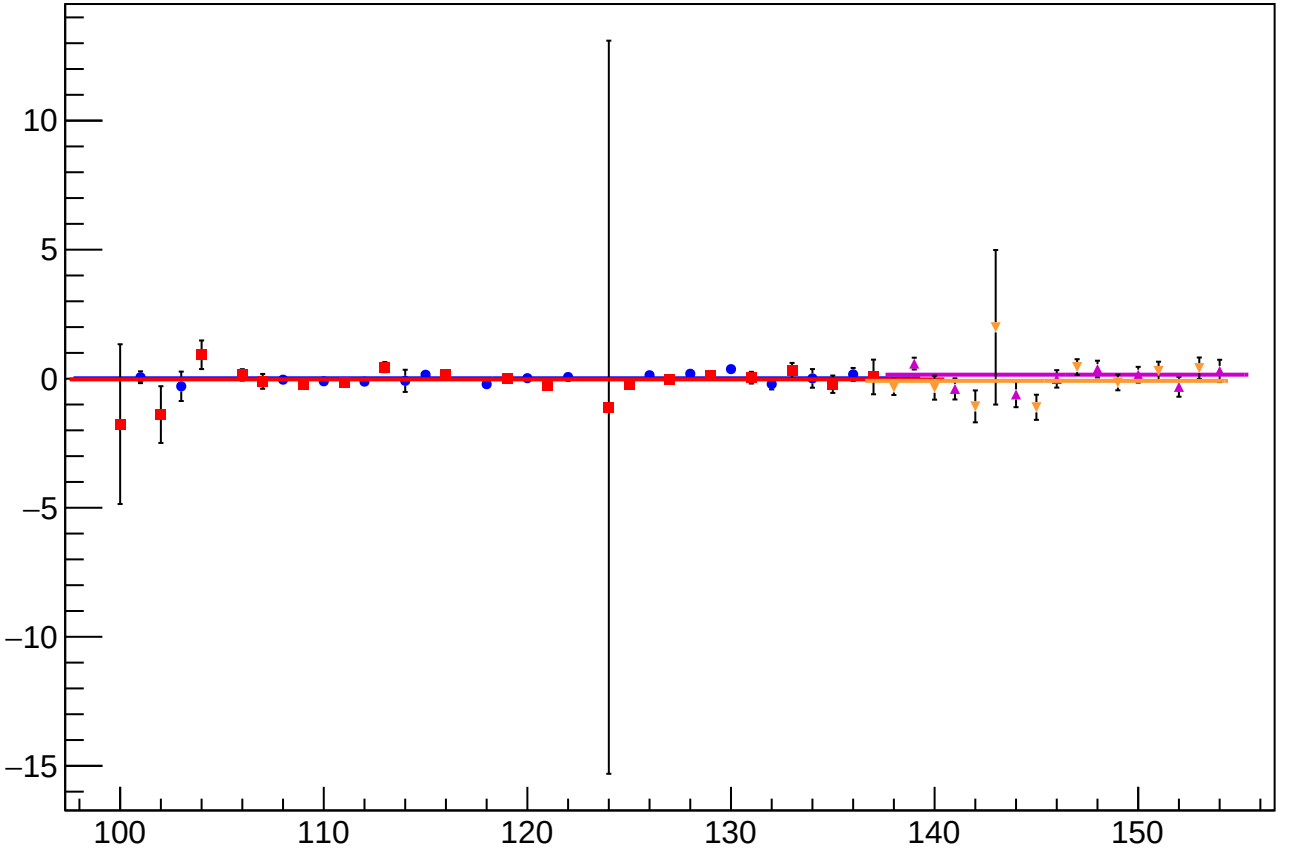
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 143.190+/-0.031 χ^2/NDF:6694312.7/23

Out: 135.893+/-0.031 χ^2/NDF:8448326.8/27

All: 139.515+/-0.022 χ^2/NDF: 15169802.0/51

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: 0.156+/-0.119 χ^2/NDF:10.0/7

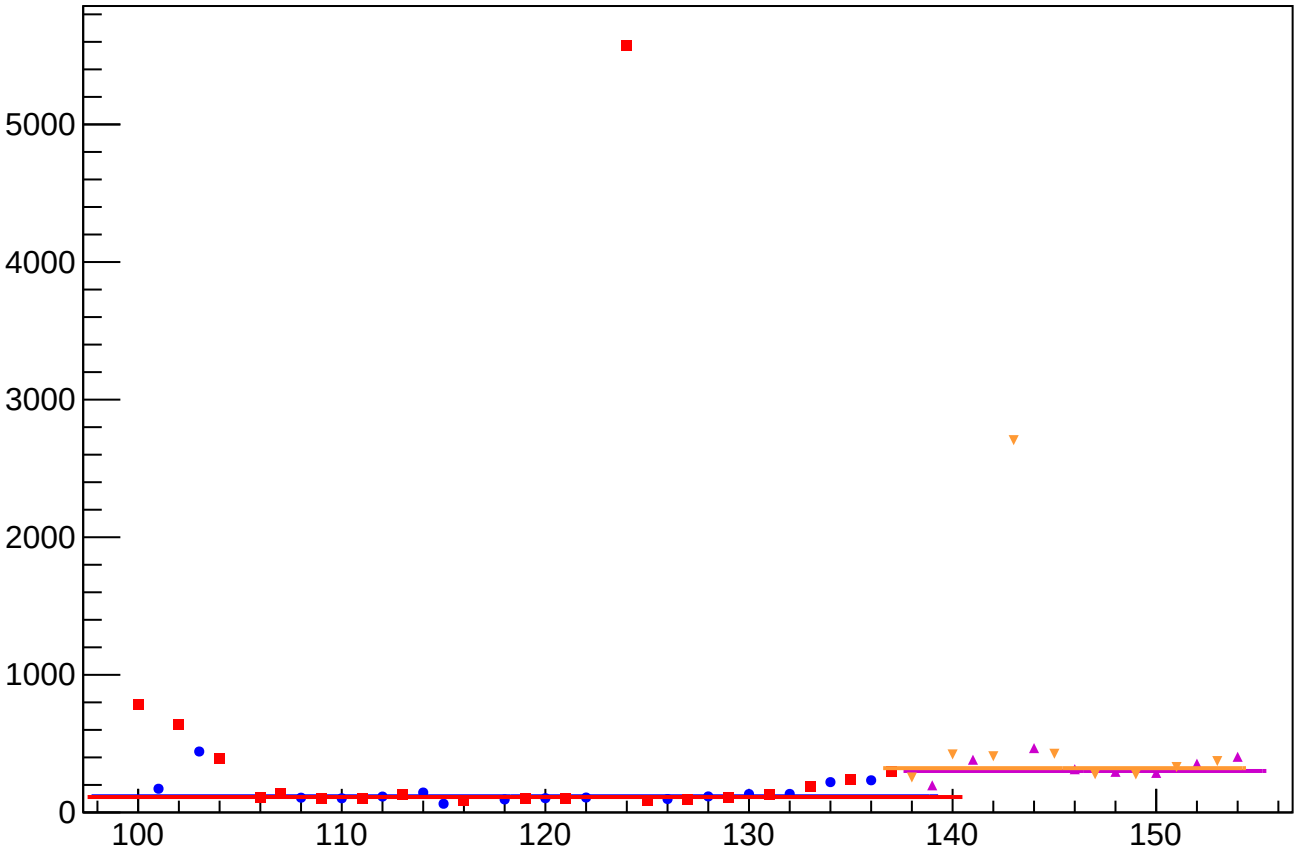
Left: 0.048+/-0.088 χ^2/NDF: 26.0/16

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.035+/-0.044 χ^2/NDF:23.0/23

Out: -0.032+/-0.044 χ^2/NDF:36.4/27

All: 0.001+/-0.031 χ^2/NDF: 60.6/51



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: 301.407+/-0.084 χ^2/NDF:879643.6/7

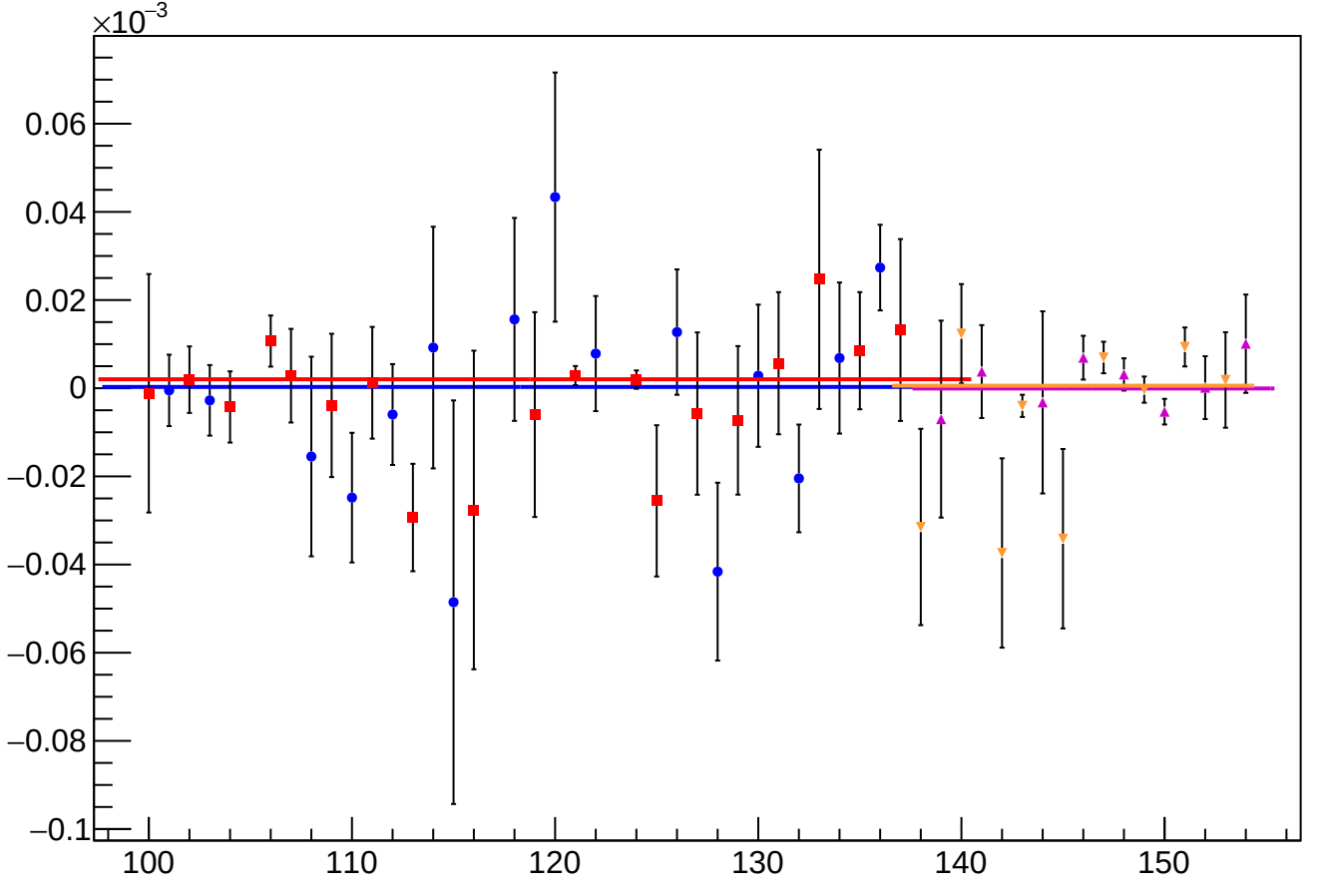
Left: 310.704+/-0.062 χ^2/NDF: 2622682.4/16

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 143.190+/-0.031 χ^2/NDF:6694312.7/23

Out: 135.893+/-0.031 χ^2/NDF:8448326.8/27

All: 139.515+/-0.022 χ^2/NDF: 15169802.0/51



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:7.1/7

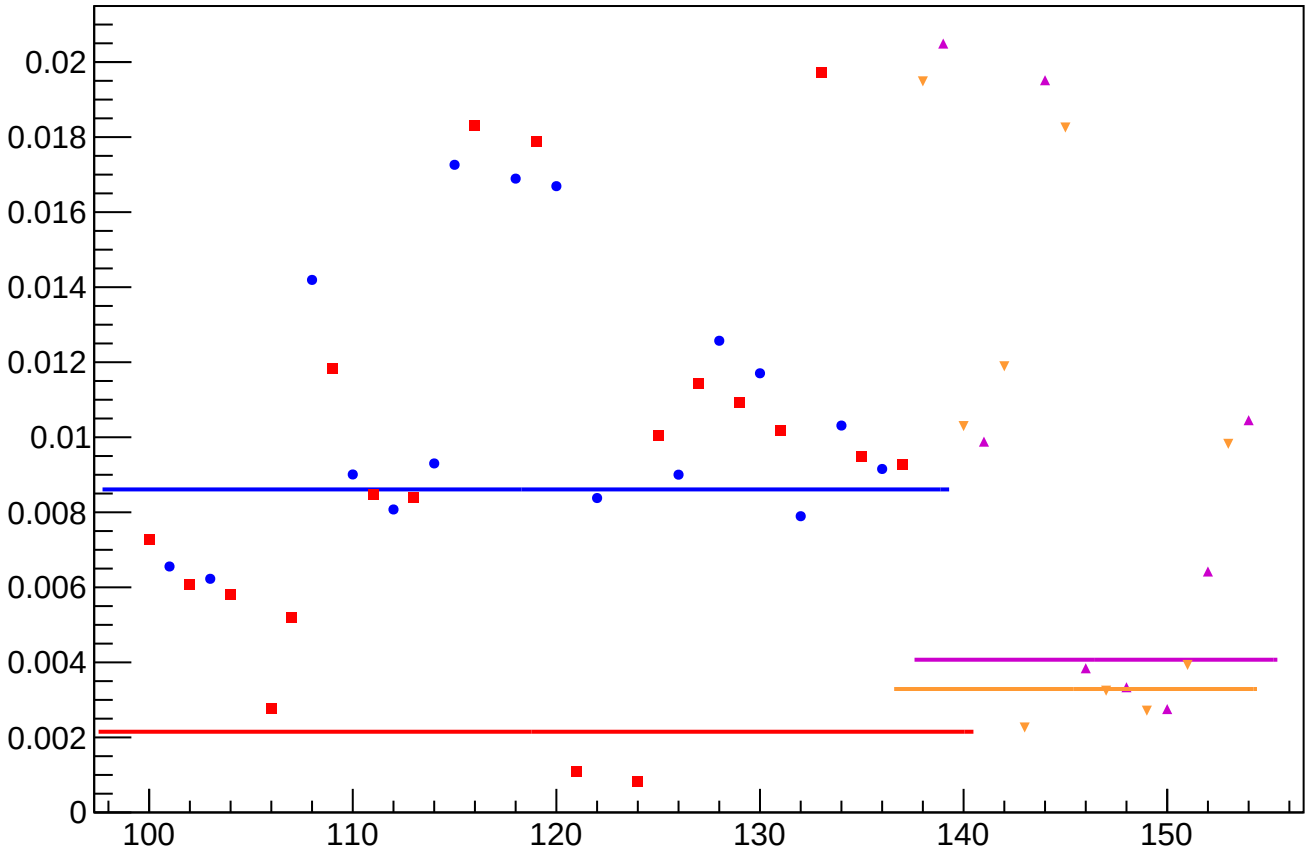
Left: 0.000+/-0.000 χ^2/NDF: 26.9/16

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:31.2/23

Out: 0.000+/-0.000 χ^2/NDF:35.1/27

All: 0.000+/-0.000 χ^2/NDF: 66.8/51



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:4173980.8/7

Left: 0.004+/-0.000 χ^2/NDF: 8789555.4/16

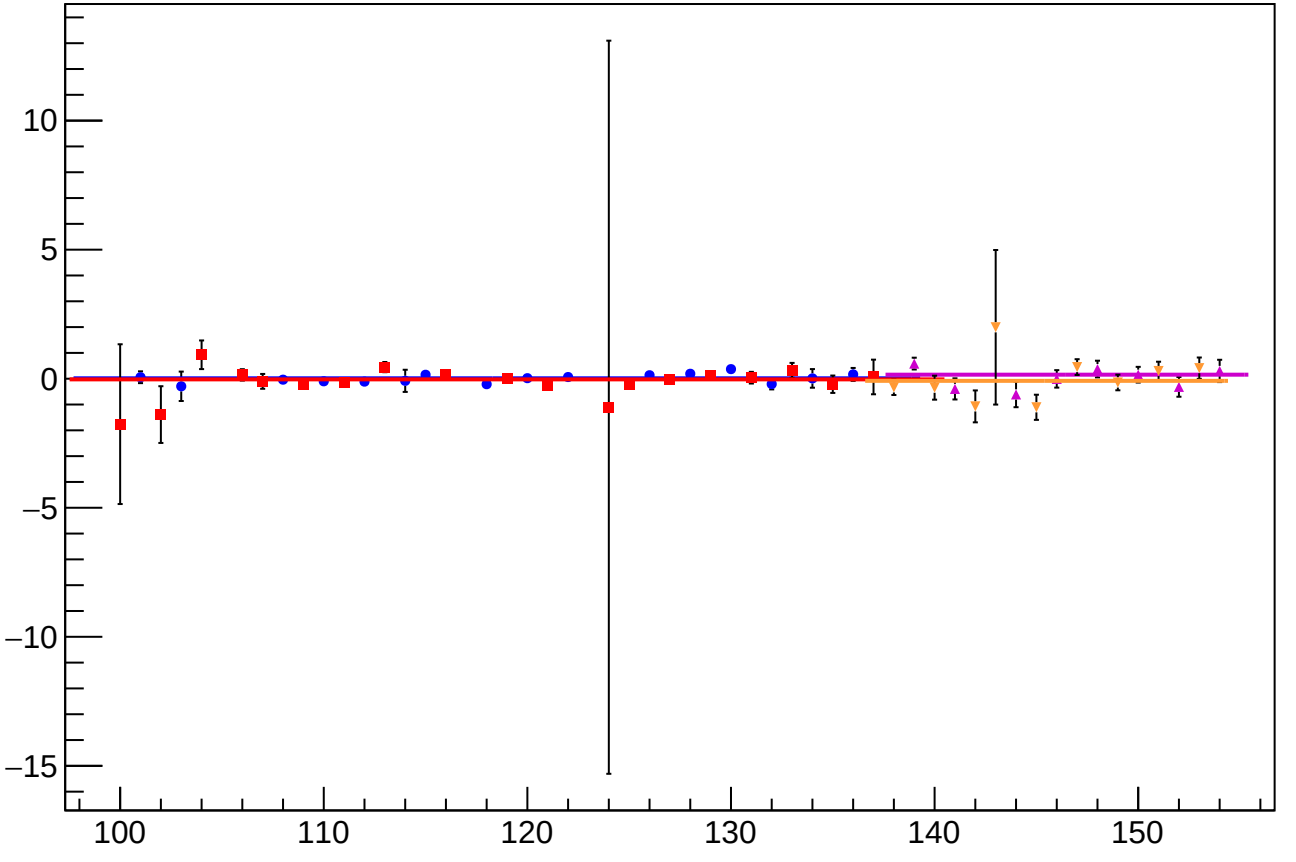
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:8029624.7/23

Out: 0.003+/-0.000 χ^2/NDF:14125450.6/27

All: 0.003+/-0.000 χ^2/NDF: 25540365.3/51

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: 0.156+/-0.119 χ^2/NDF:10.0/7

Left: 0.048+/-0.088 χ^2/NDF: 26.0/16

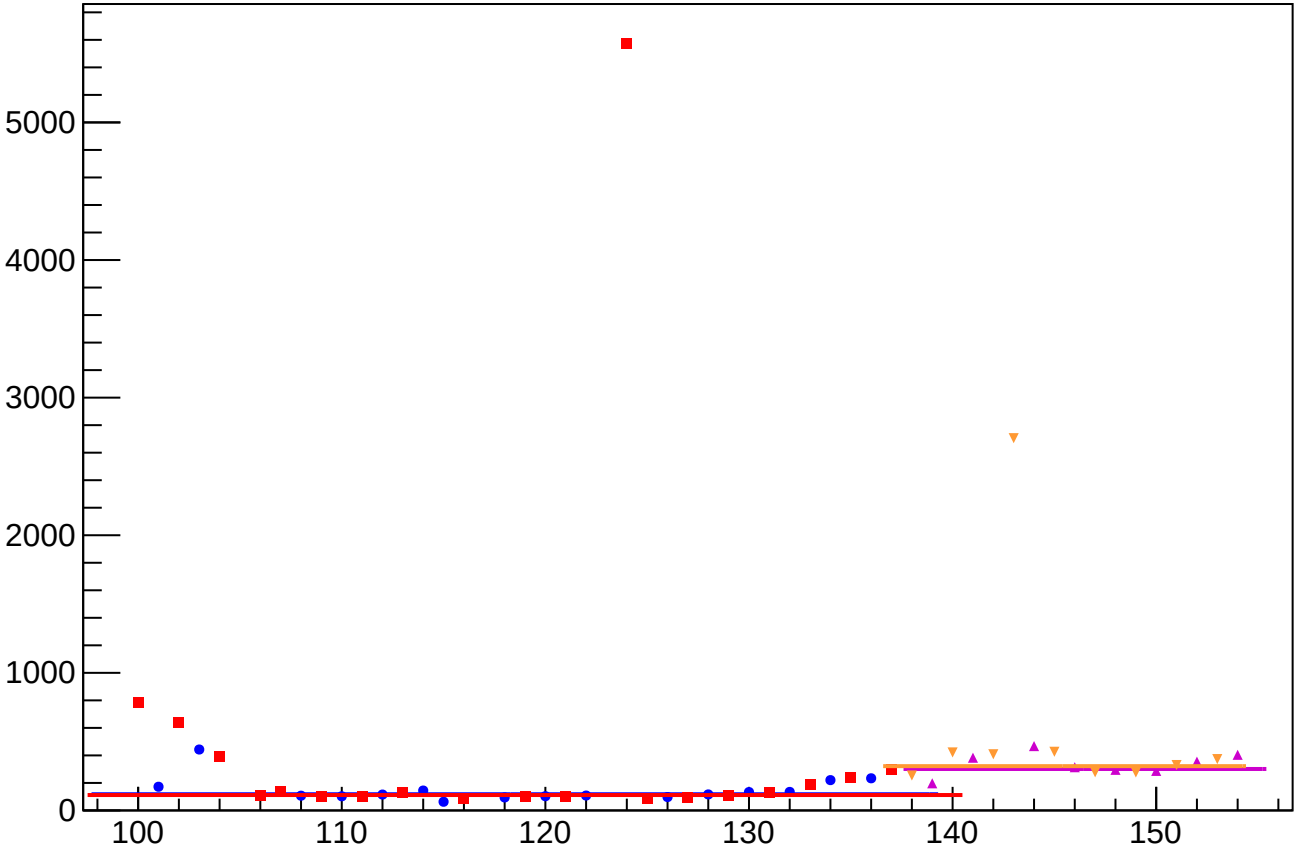
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.035+/-0.044 χ^2/NDF:23.0/23

Out: -0.032+/-0.044 χ^2/NDF:36.4/27

All: 0.001+/-0.031 χ^2/NDF: 60.6/51

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: 301.410+/-0.084 χ^2/NDF:879635.1/7

Left: 310.707+/-0.062 χ^2/NDF: 2622697.0/16

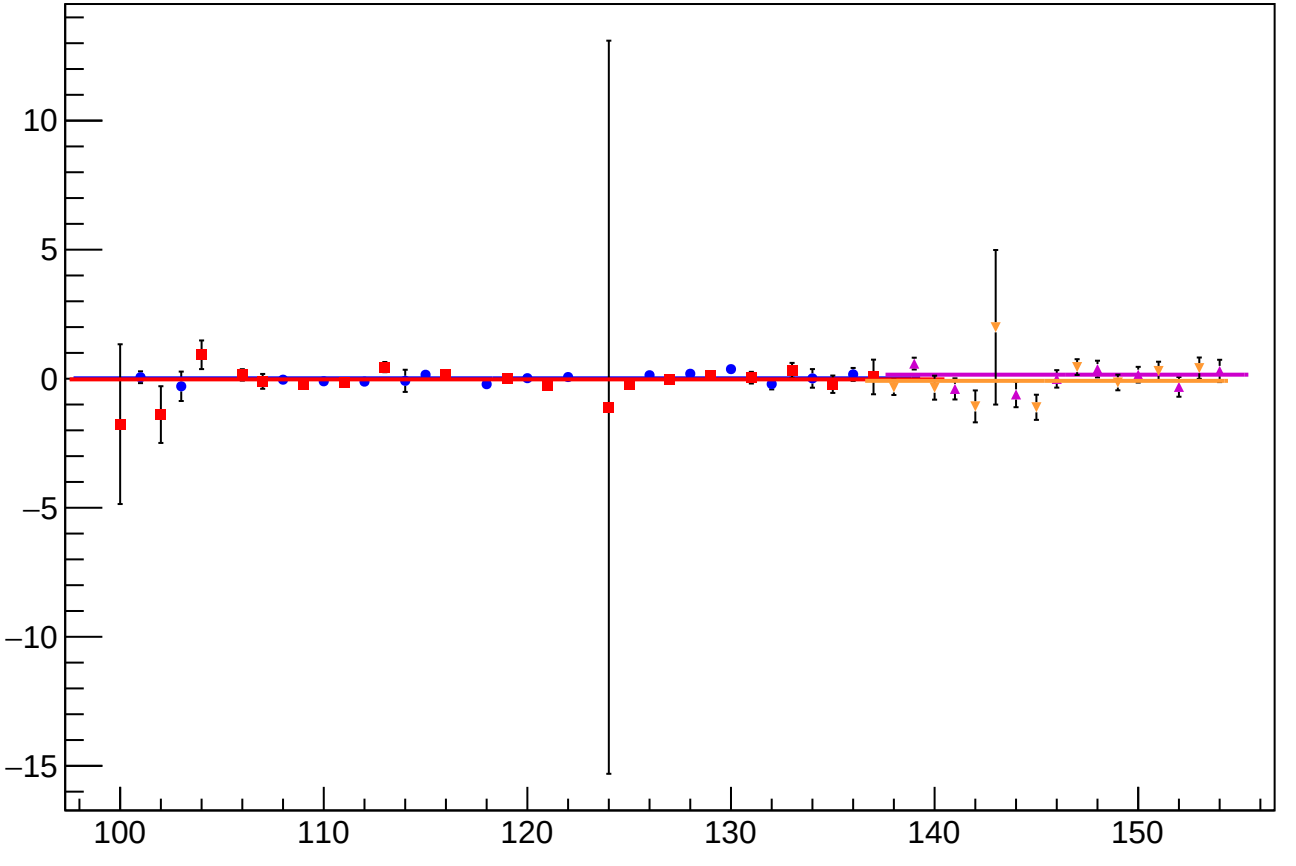
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 143.190+/-0.031 χ^2/NDF:6694347.3/23

Out: 135.895+/-0.031 χ^2/NDF:8448242.2/27

All: 139.516+/-0.022 χ^2/NDF: 15169738.1/51

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.083+/-0.131 χ^2/NDF:14.1/8

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.156+/-0.119 χ^2/NDF:10.0/7

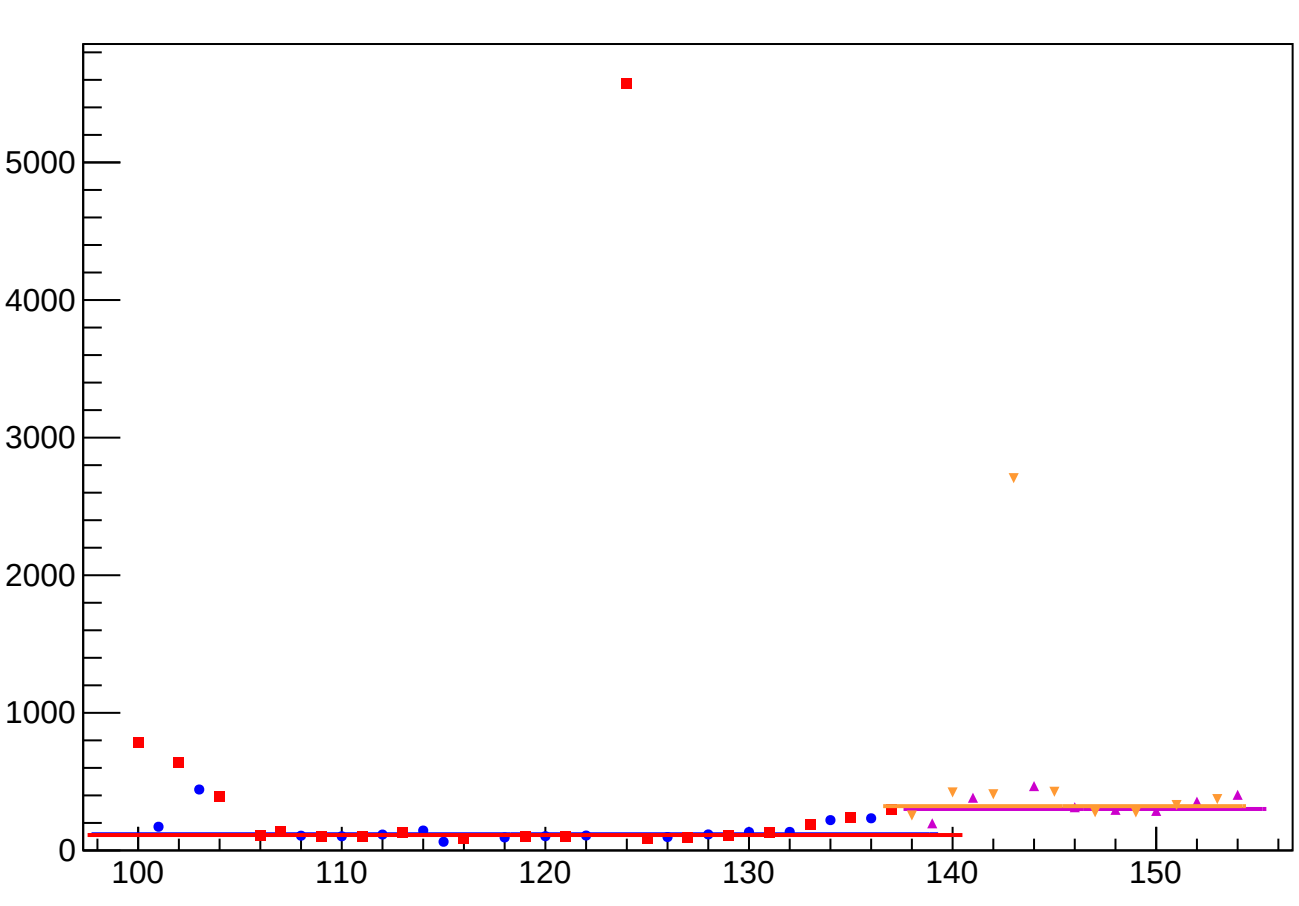
Left: 0.048+/-0.088 χ^2/NDF: 26.0/16

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.035+/-0.044 χ^2/NDF:23.0/23

Out: -0.032+/-0.044 χ^2/NDF:36.4/27

All: 0.001+/-0.031 χ^2/NDF: 60.6/51



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: 301.410+/-0.084 χ^2/NDF:879635.1/7

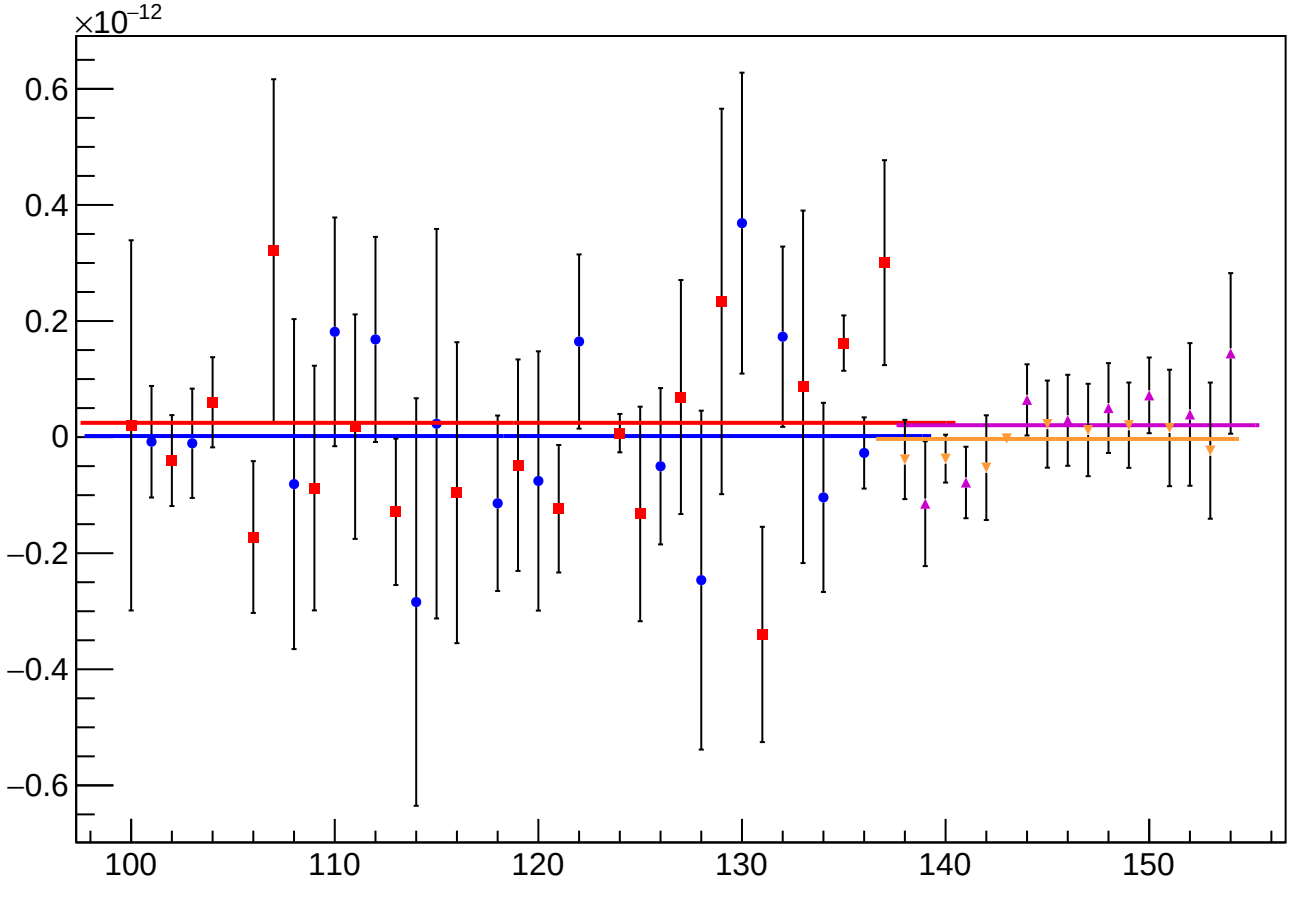
Left: 310.707+/-0.062 χ^2/NDF: 2622697.0/16

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 143.190+/-0.031 χ^2/NDF:6694347.3/23

Out: 135.895+/-0.031 χ^2/NDF:8448242.2/27

All: 139.516+/-0.022 χ^2/NDF: 15169738.1/51



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:6.3/7

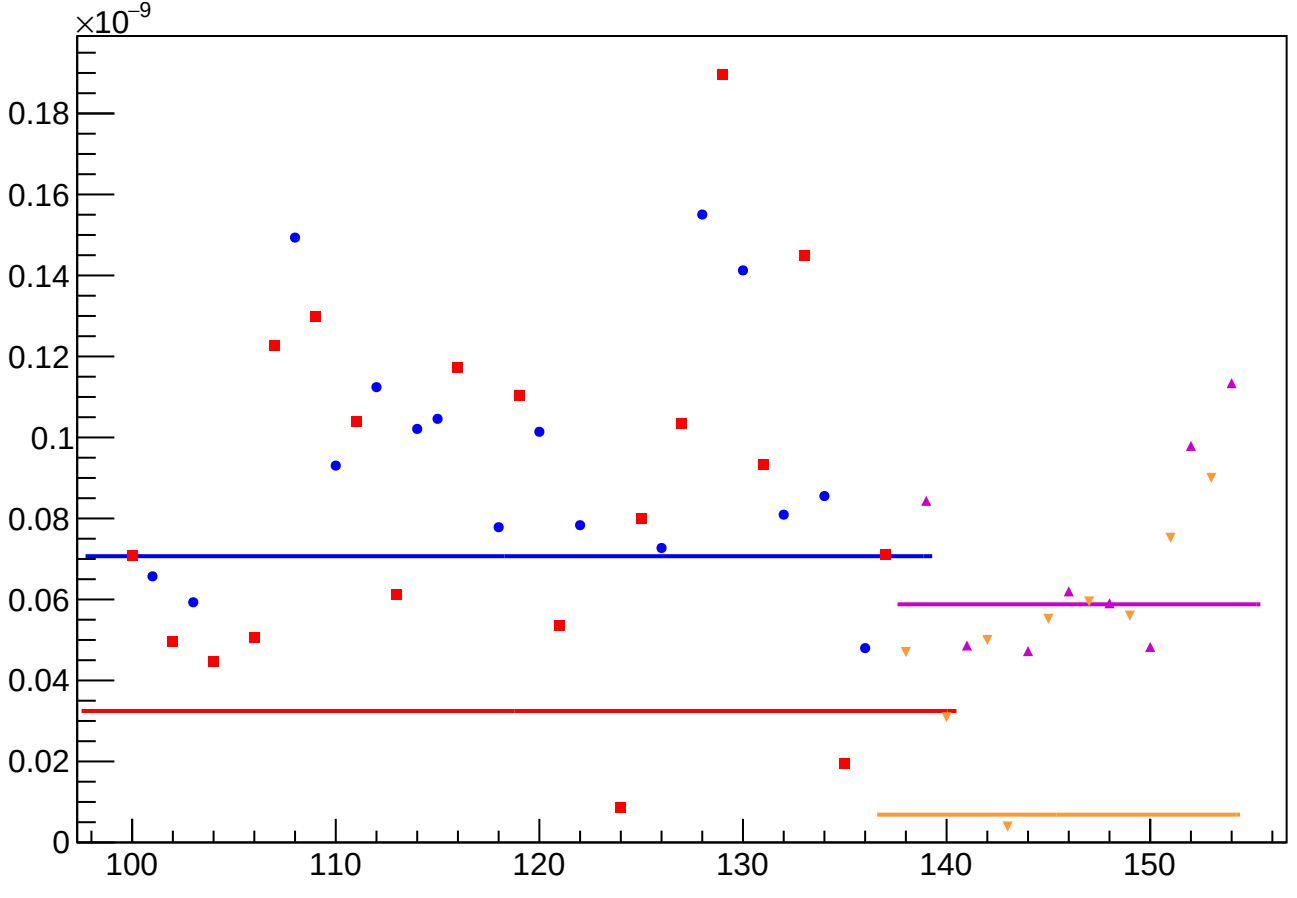
Left: -0.000+/-0.000 χ^2/NDF: 8.5/16

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:15.6/23

Out: -0.000+/-0.000 χ^2/NDF:27.3/27

All: 0.000+/-0.000 χ^2/NDF: 43.3/51



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:808003.7/7

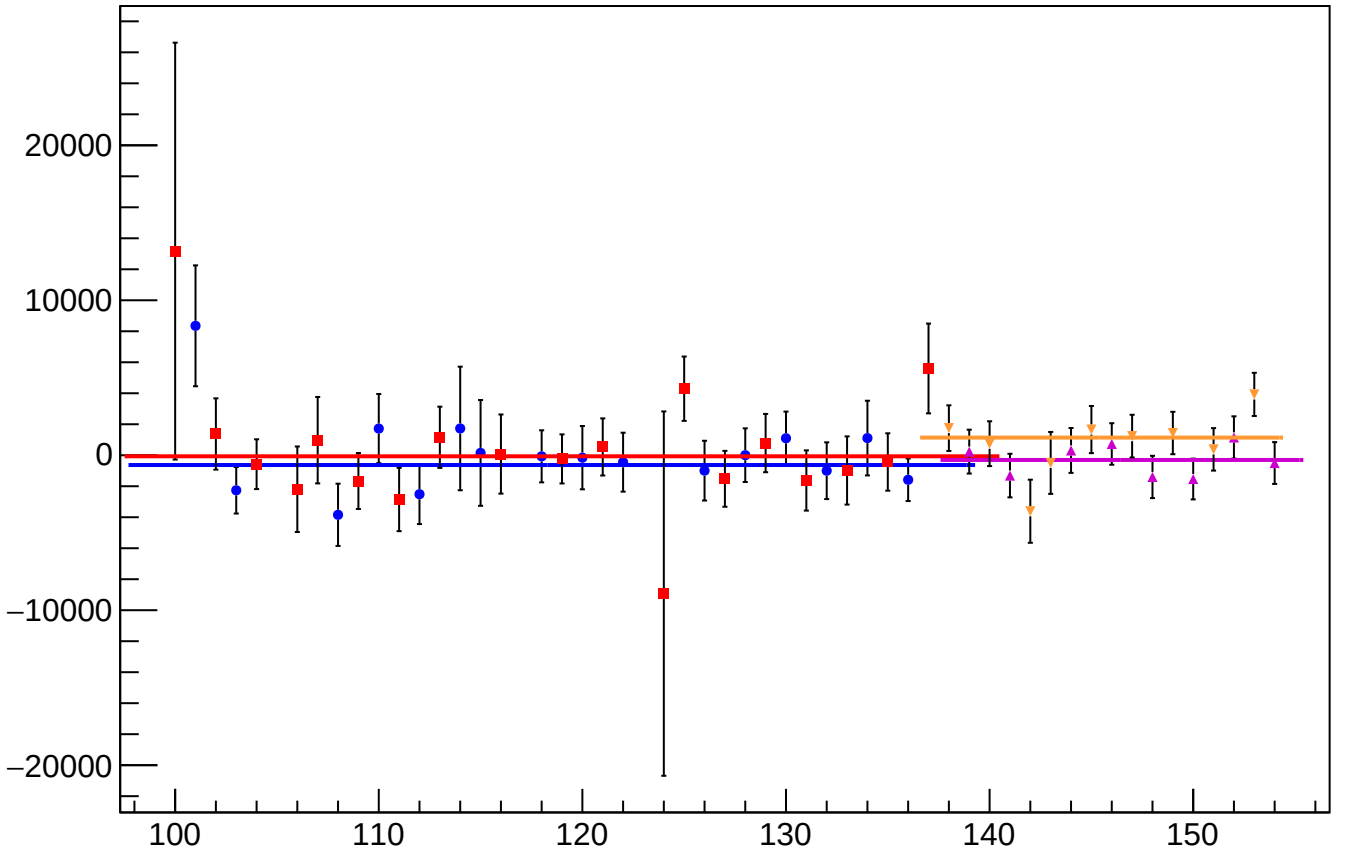
Left: 0.000+/-0.000 χ^2/NDF: 14216874.0/16

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1976039.9/23

Out: 0.000+/-0.000 χ^2/NDF:13779385.0/27

All: 0.000+/-0.000 χ^2/NDF: 27554018.7/51



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: -304.408+/-485.703 χ^2/NDF:4.1/7

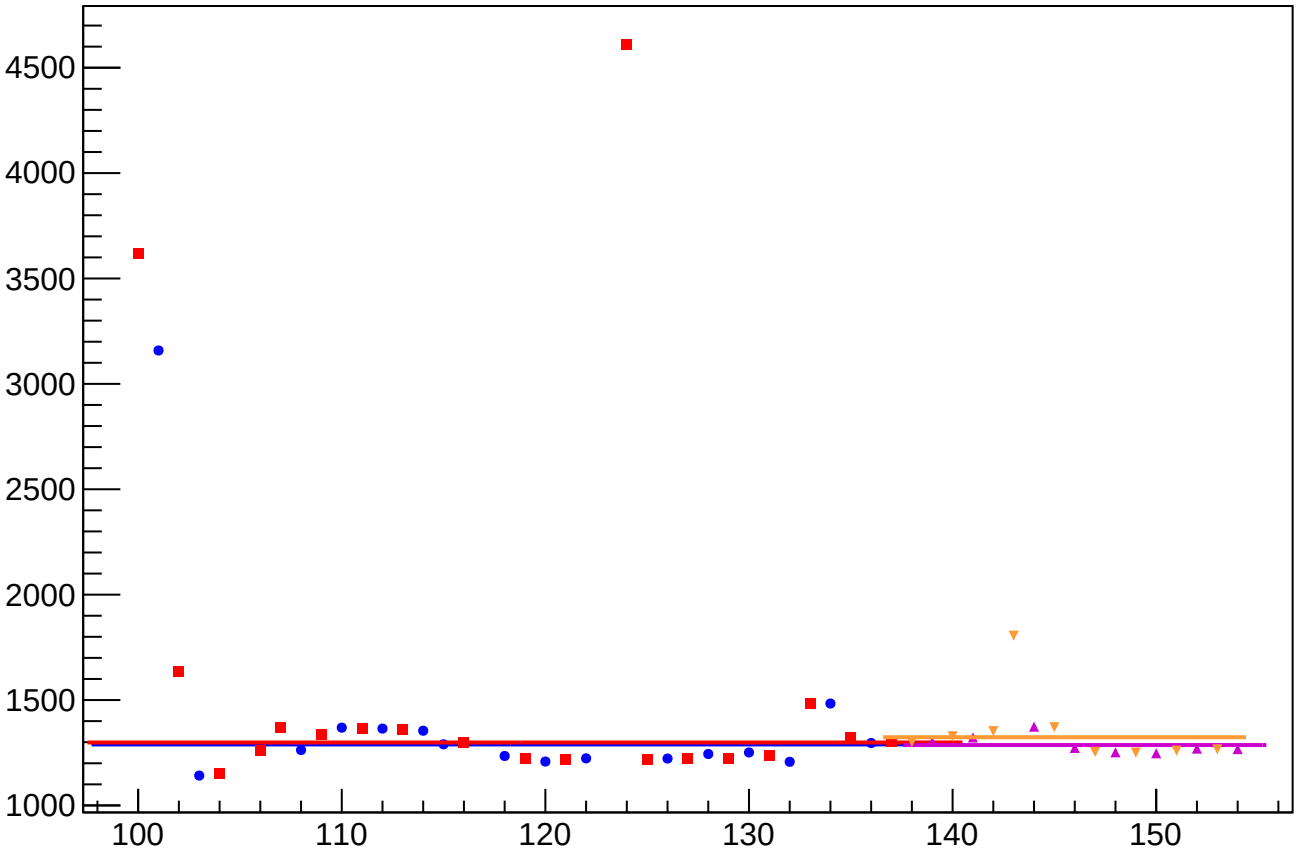
Left: 393.846+/-348.986 χ^2/NDF: 19.2/16

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -466.733+/-344.486 χ^2/NDF:18.2/23

Out: 518.628+/-349.747 χ^2/NDF:29.7/27

All: 18.480+/-245.427 χ^2/NDF: 51.9/51



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: 1286.389+/-0.343 χ^2/NDF:12767.7/7

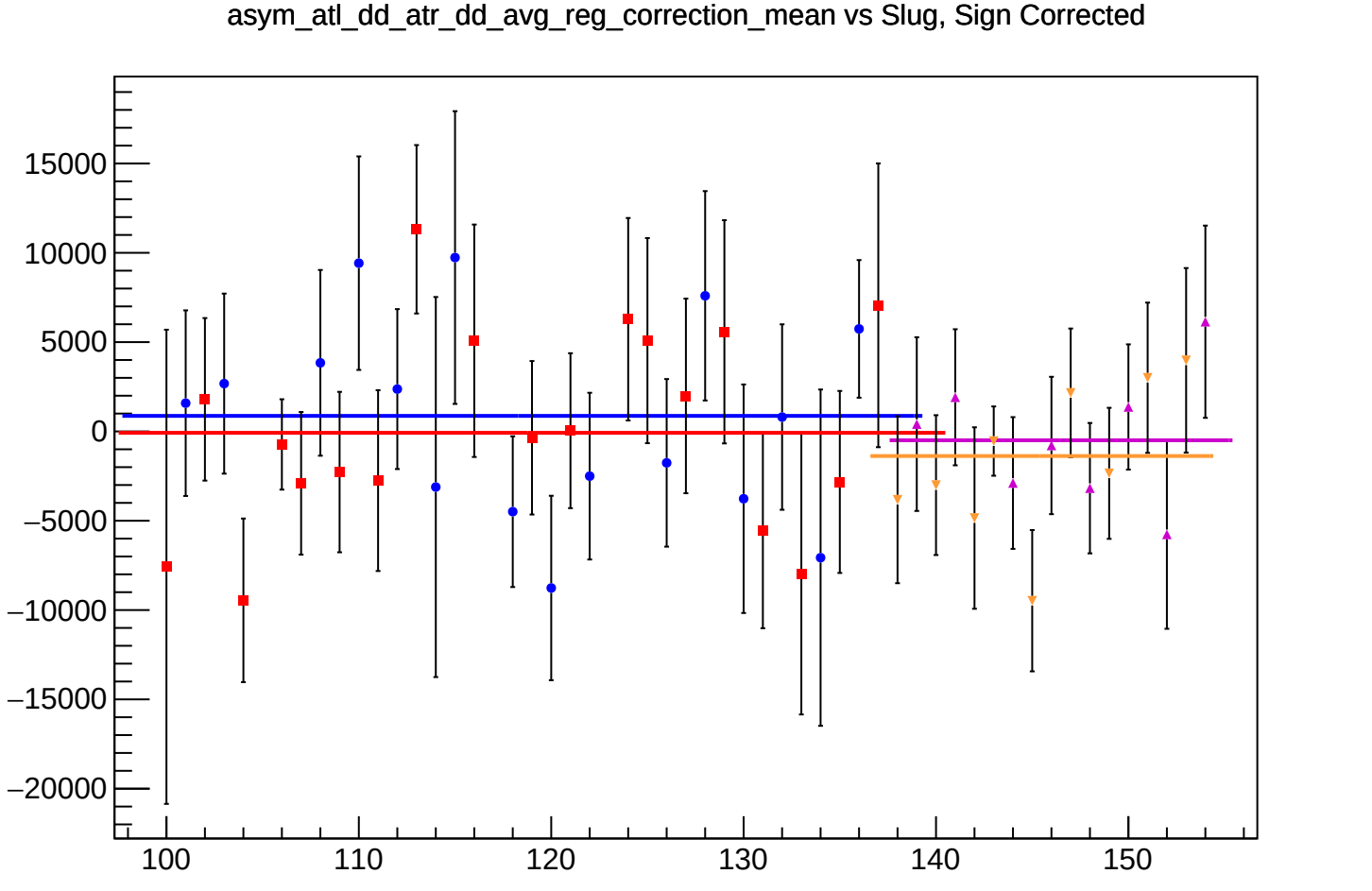
Left: 1304.397+/-0.247 χ^2/NDF: 156120.2/16

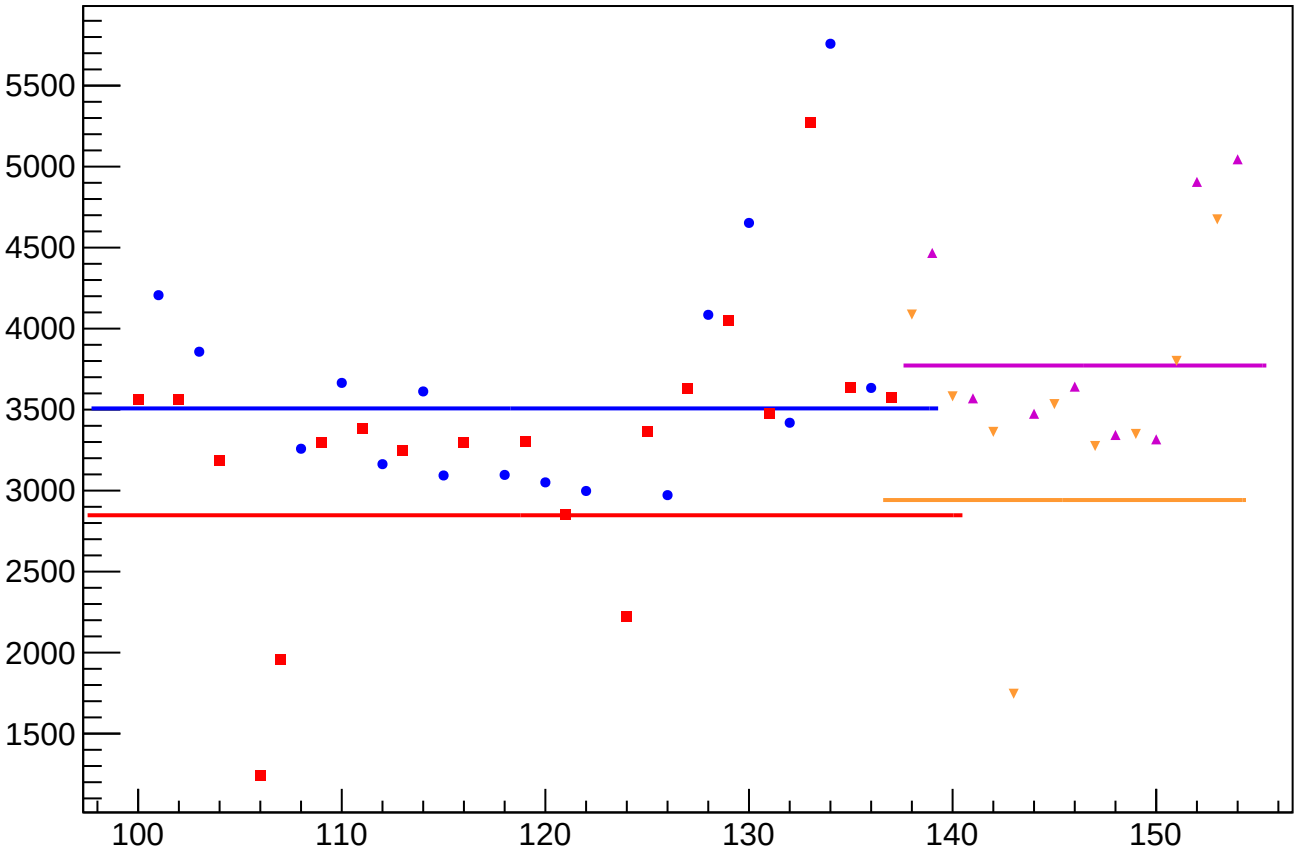
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1287.918+/-0.244 χ^2/NDF:527482.6/23

Out: 1310.749+/-0.247 χ^2/NDF:459595.2/27

All: 1299.176+/-0.173 χ^2/NDF: 991409.6/51


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
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: -495.554+/-1444.613 χ²/NDF:4.2/7
Left: -1025.832+/-911.329 χ²/NDF: 12.9/16
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 246.106+/-976.581 χ²/NDF:18.7/23
Out: -690.805+/-807.150 χ²/NDF:27.5/27
All: -310.548+/-622.154 χ²/NDF: 46.8/51



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: 3772.211+/-1.021 χ^2/NDF:327203.3/7

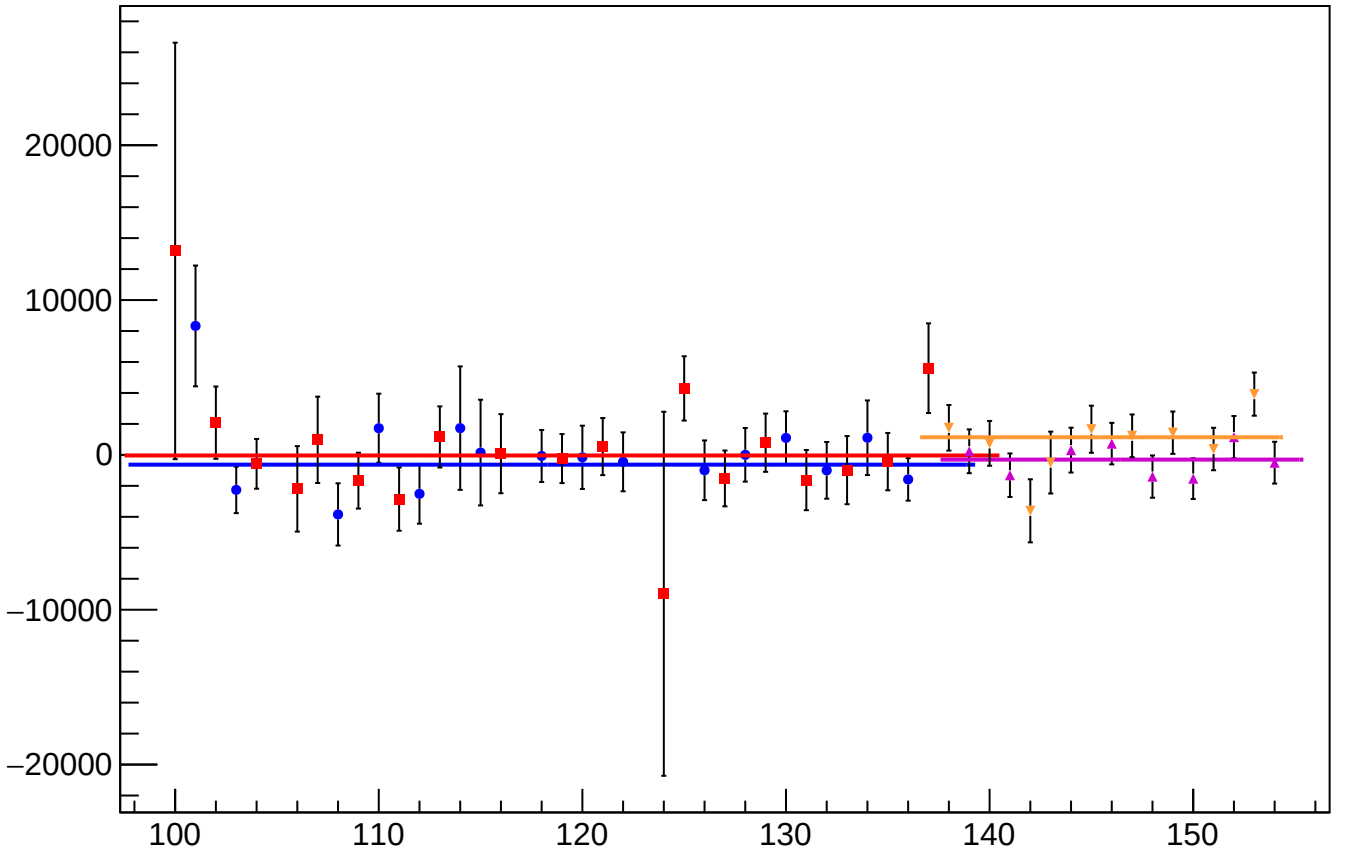
Left: 3272.284+/-0.644 χ^2/NDF: 2067601.5/16

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3628.416+/-0.691 χ^2/NDF:717675.6/23

Out: 2892.215+/-0.571 χ^2/NDF:2848677.8/27

All: 3191.012+/-0.440 χ^2/NDF: 4241648.4/51



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: -304.385+/-485.703 χ^2/NDF:4.1/7

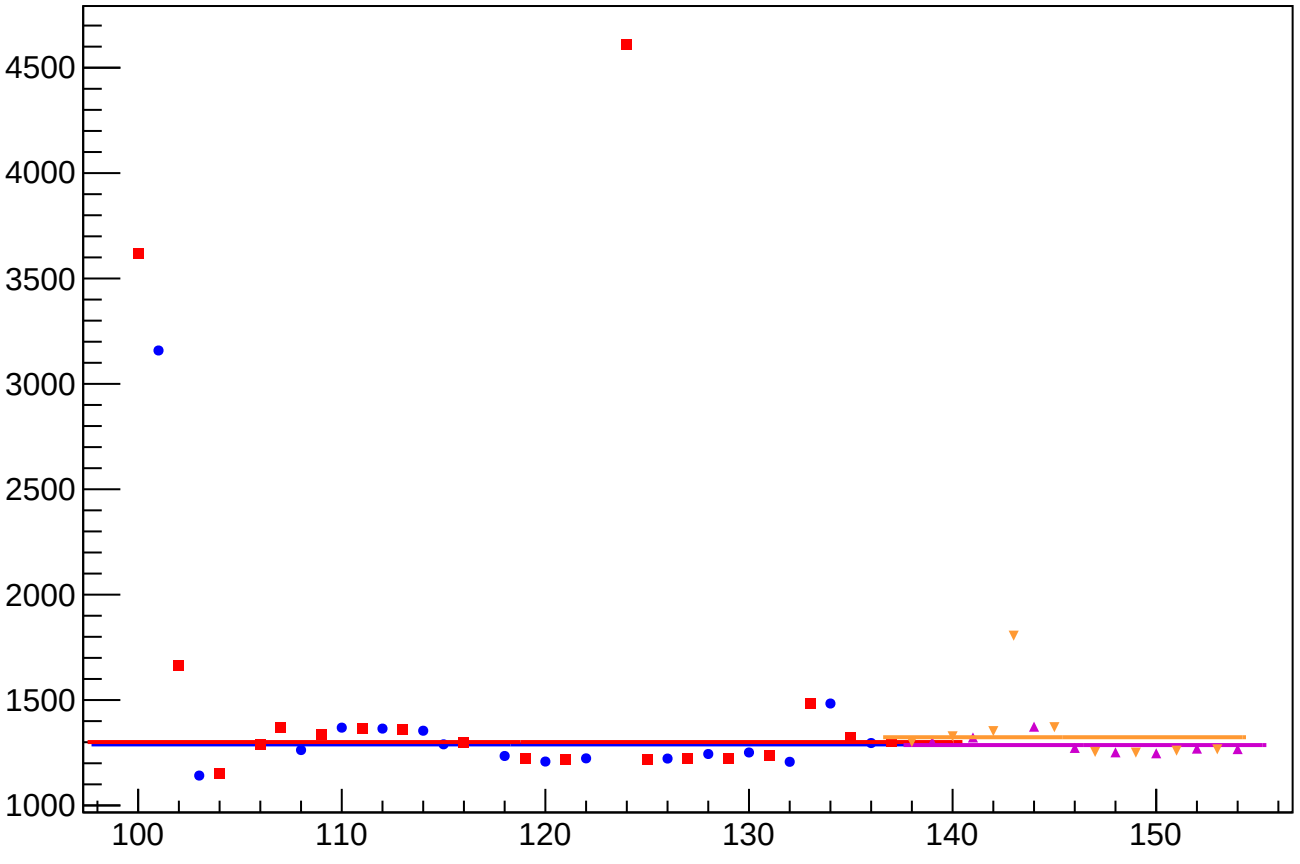
Left: 393.833+/-348.986 χ^2/NDF: 19.2/16

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 25.746+/-245.468 χ^2/NDF: 52.4/51



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: 1286.389+/-0.343 χ^2/NDF:12767.7/7

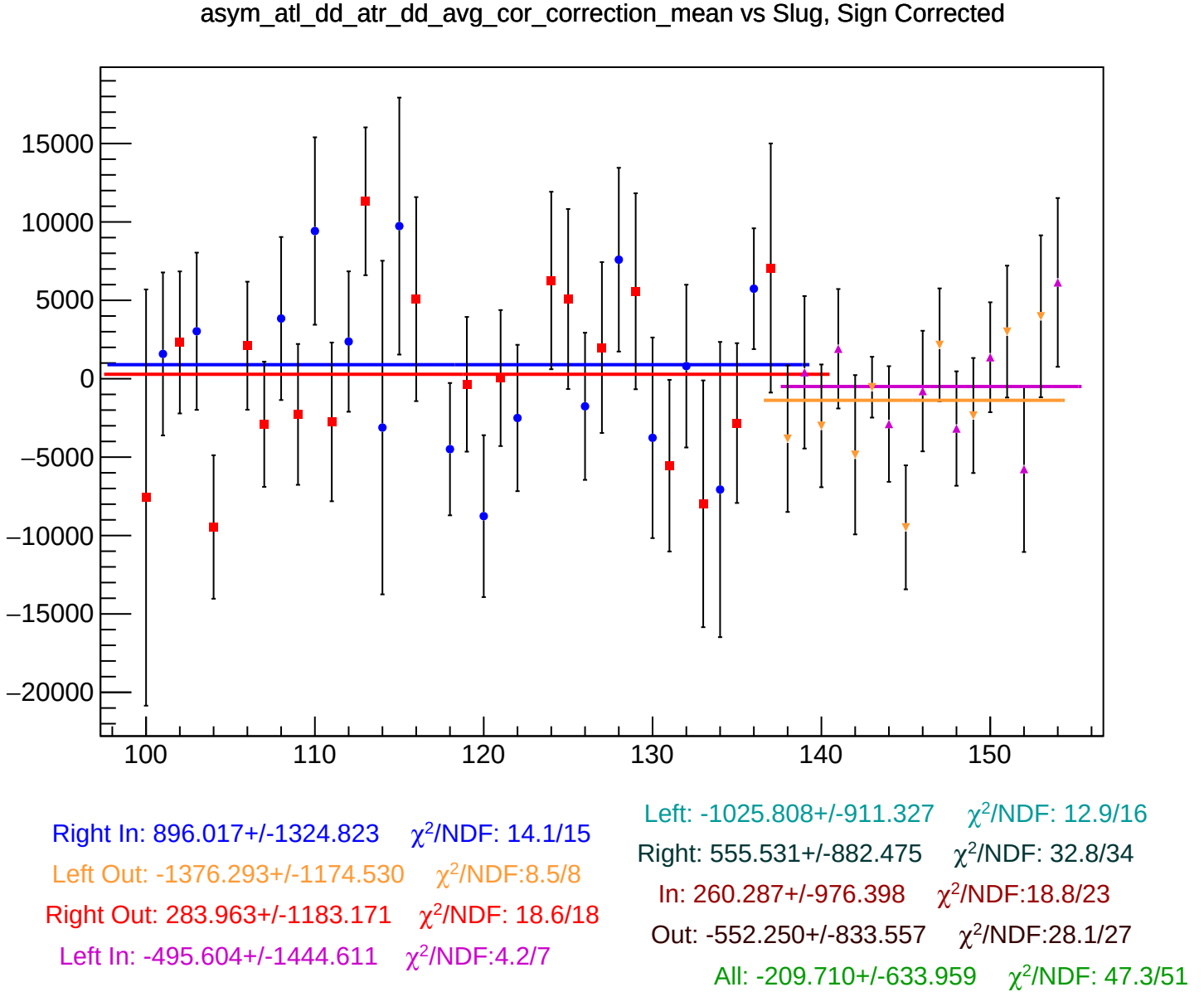
Left: 1304.397+/-0.247 χ^2/NDF: 156120.2/16

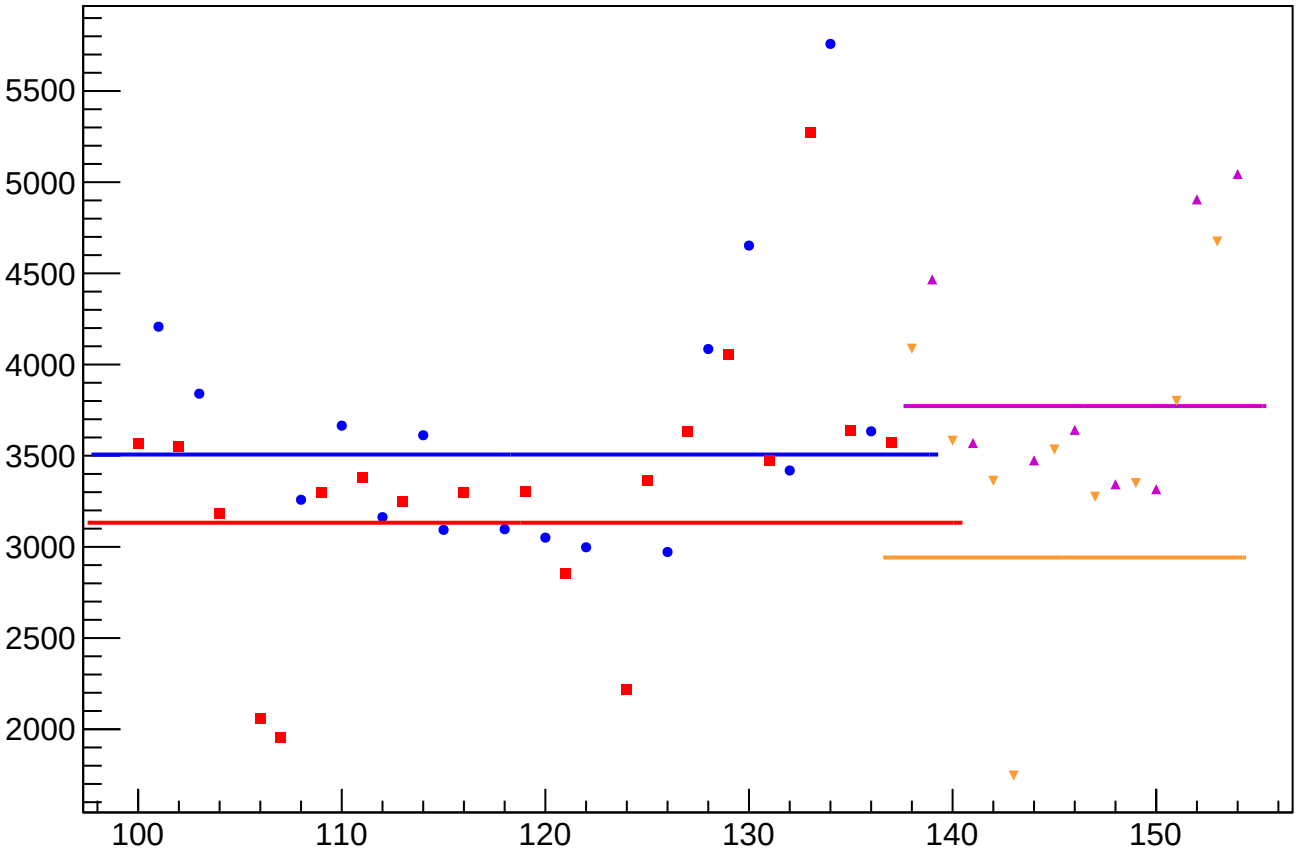
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1299.691+/-0.173 χ^2/NDF: 997951.9/51


asym_atl_dd_atr_dd_avg_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: -495.604+/-1444.611 χ²/NDF:4.2/7
Left: -1025.808+/-911.327 χ²/NDF: 12.9/16
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 260.287+/-976.398 χ²/NDF:18.8/23
Out: -552.250+/-833.557 χ²/NDF:28.1/27
All: -209.710+/-633.959 χ²/NDF: 47.3/51



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: 3772.206+/-1.021 χ^2/NDF:327202.8/7

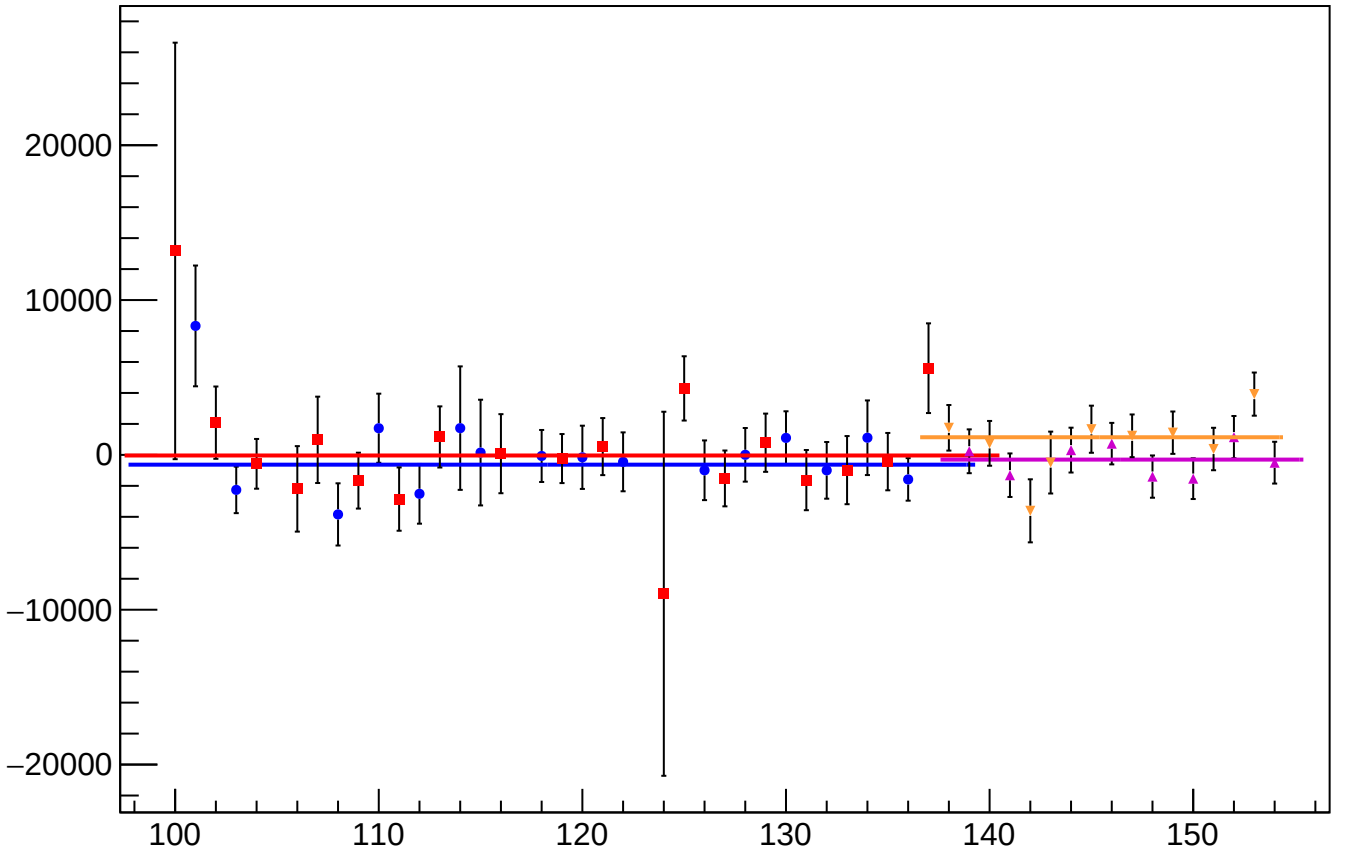
Left: 3272.275+/-0.644 χ^2/NDF: 2067629.8/16

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3285.801+/-0.448 χ^2/NDF: 3159951.8/51



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: -304.385+/-485.703 χ^2/NDF:4.1/7

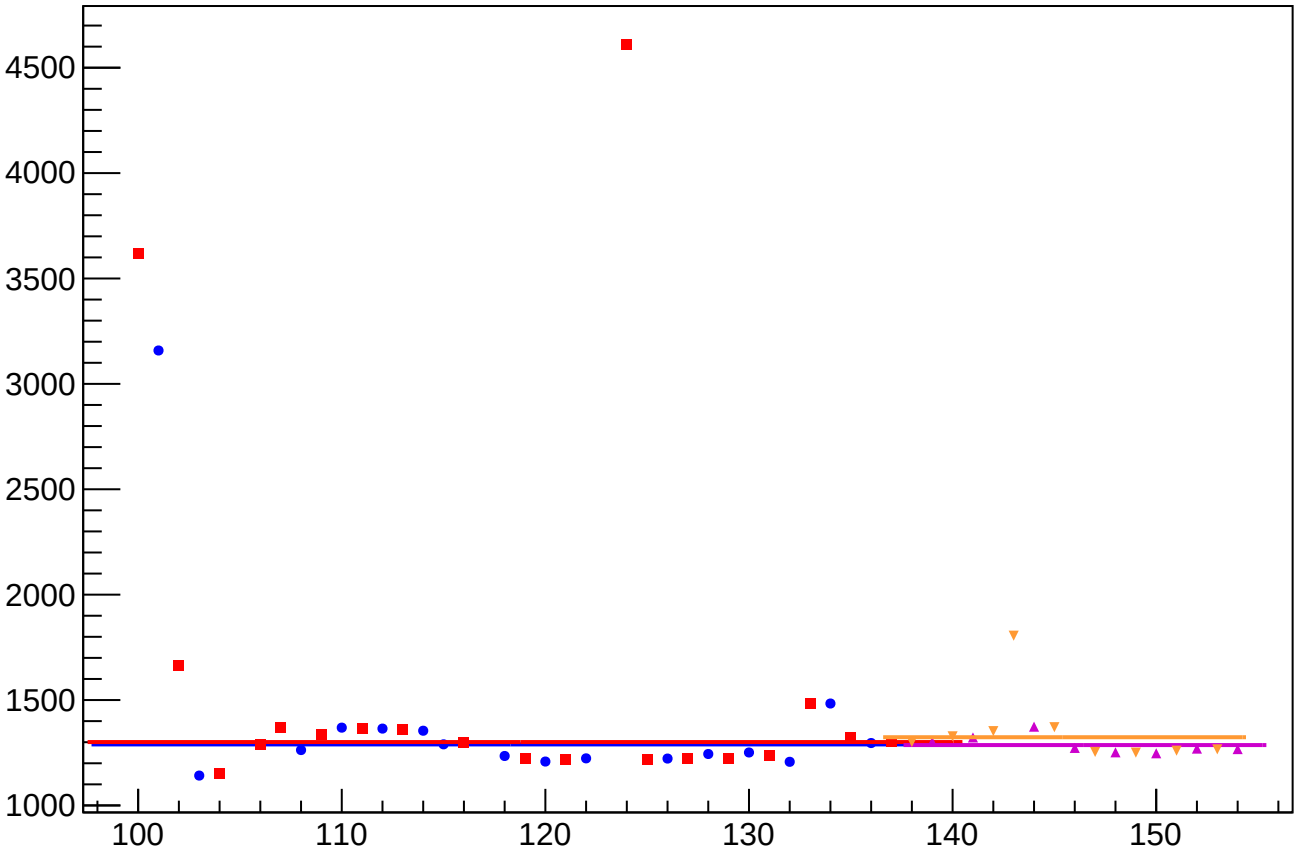
Left: 393.833+/-348.986 χ^2/NDF: 19.2/16

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 25.746+/-245.468 χ^2/NDF: 52.4/51



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: 1286.389+/-0.343 χ^2/NDF:12767.7/7

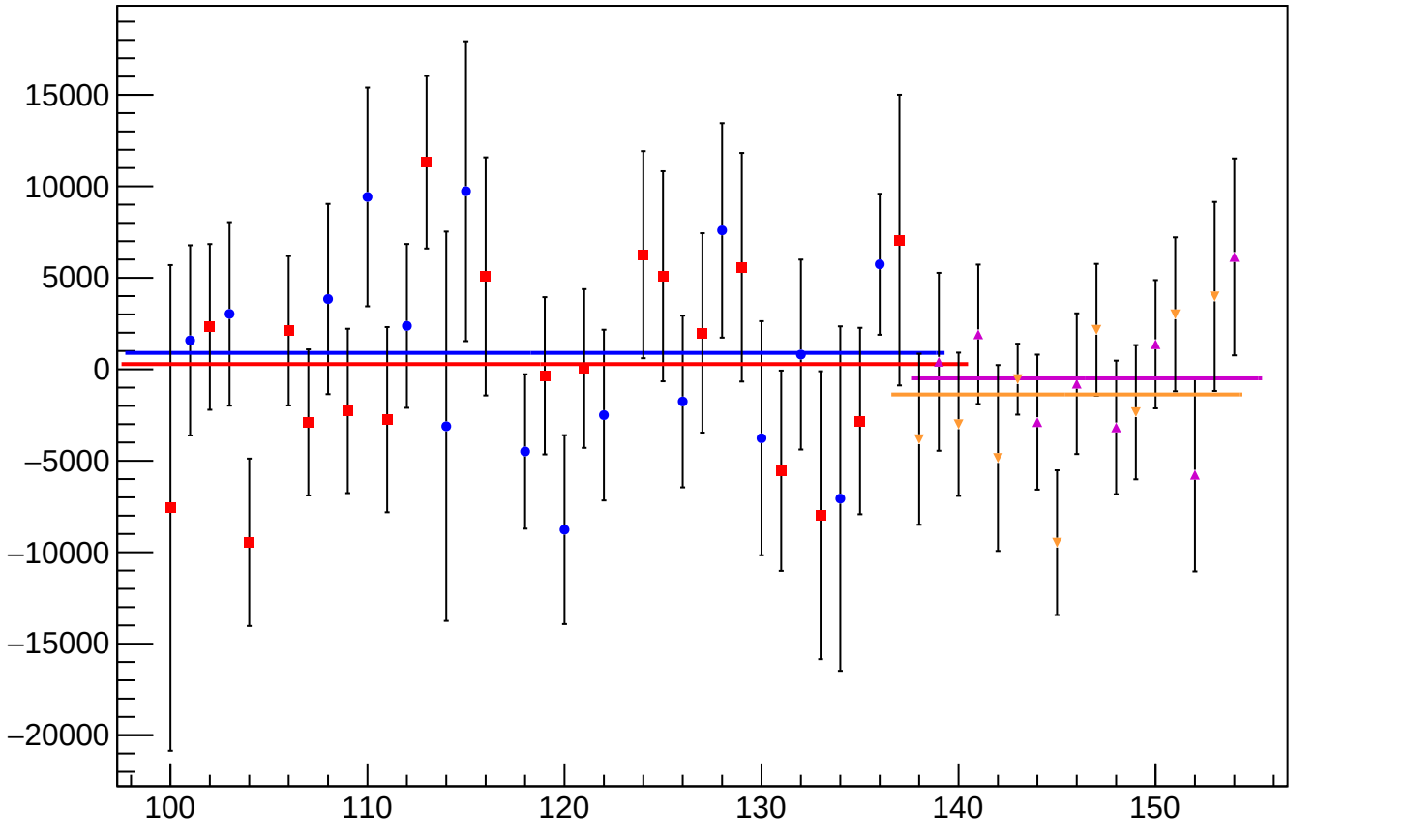
Left: 1304.397+/-0.247 χ^2/NDF: 156120.2/16

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1299.691+/-0.173 χ^2/NDF: 997951.9/51



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: -495.604+/-1444.611 χ^2/NDF:4.2/7

Left: -1025.808+/-911.327 χ^2/NDF: 12.9/16

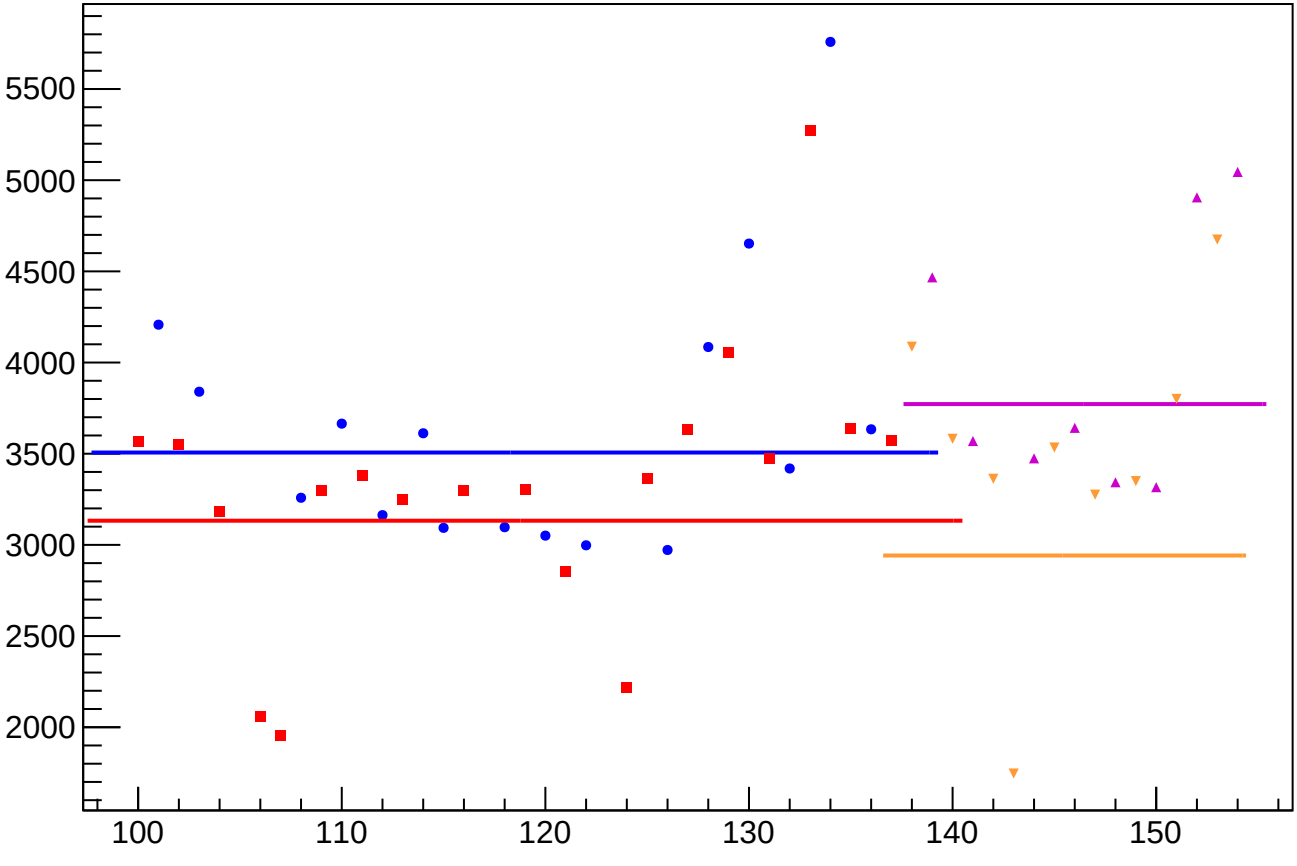
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 260.287+/-976.398 χ^2/NDF:18.8/23

Out: -552.250+/-833.557 χ^2/NDF:28.1/27

All: -209.710+/-633.959 χ^2/NDF: 47.3/51

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: 3772.206+/-1.021 χ^2/NDF:327202.8/7

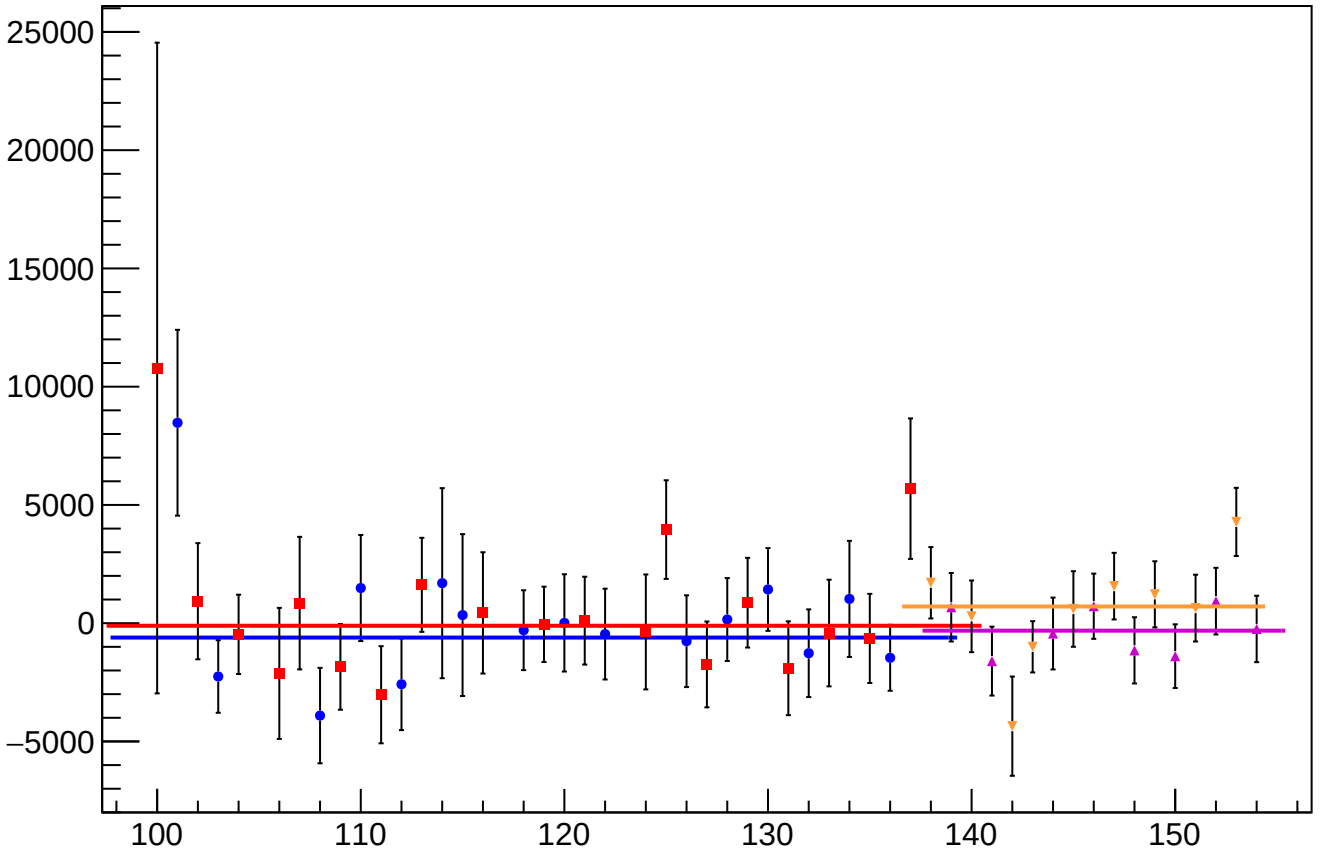
Left: 3272.275+/-0.644 χ^2/NDF: 2067629.8/16

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3285.801+/-0.448 χ^2/NDF: 3159951.8/51



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: -315.673+/-501.326 χ^2/NDF:3.6/7

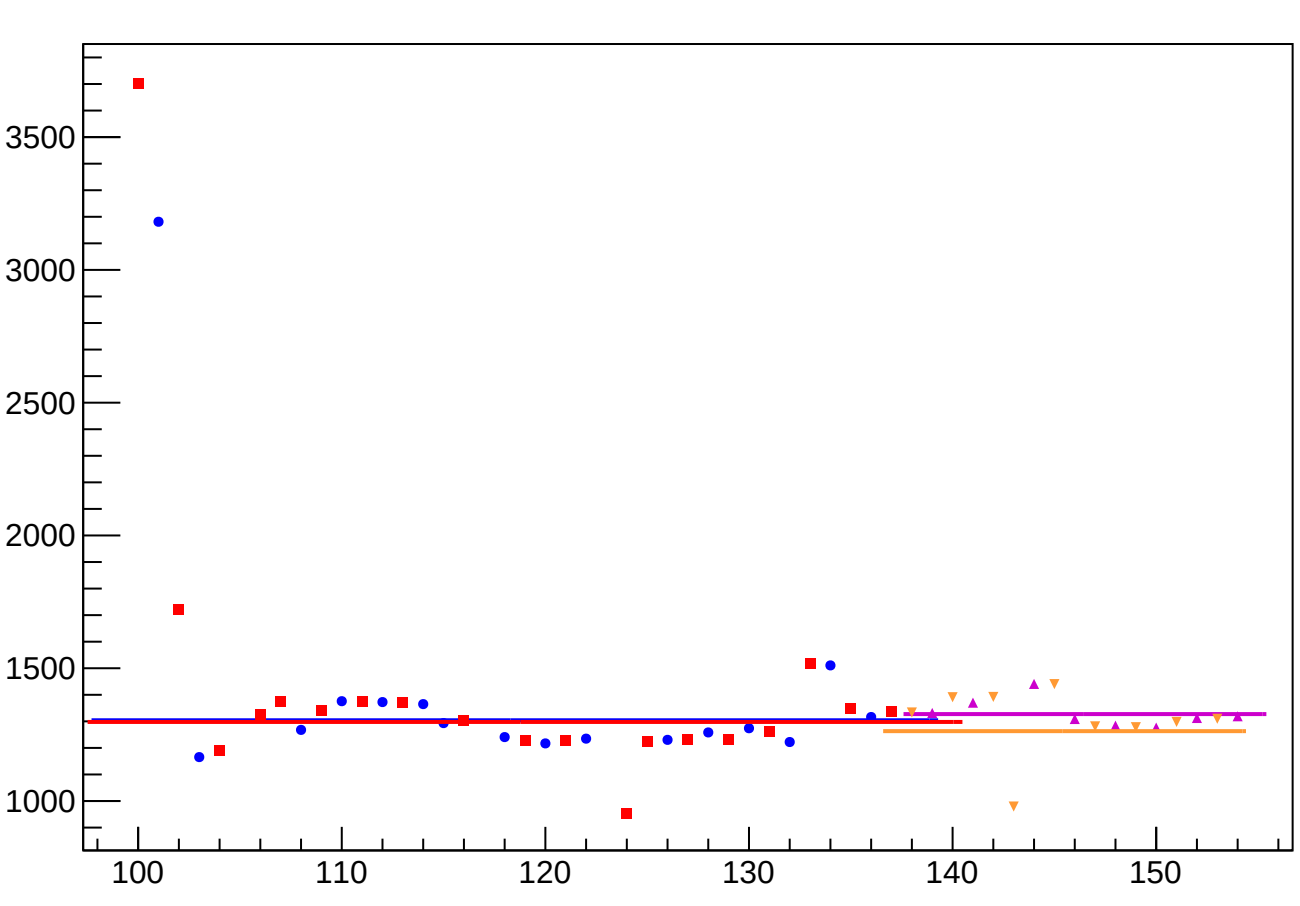
Left: 217.575+/-346.654 χ^2/NDF: 21.2/16

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -463.848+/-351.938 χ^2/NDF:17.9/23

Out: 303.565+/-341.308 χ^2/NDF:31.8/27

All: -68.378+/-245.013 χ^2/NDF: 52.1/51



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: 1327.399+/-0.354 χ^2/NDF:18384.6/7

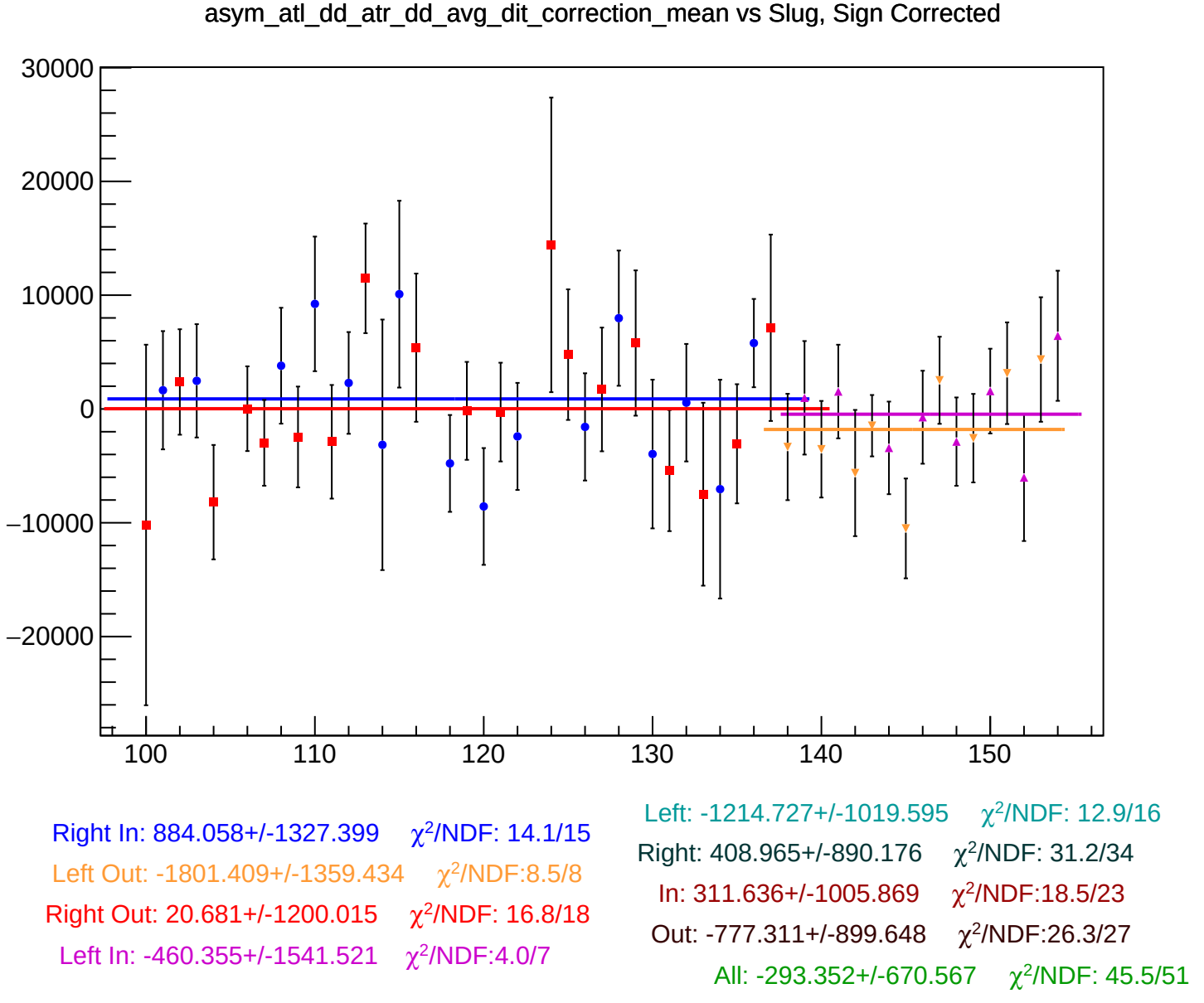
Left: 1293.869+/-0.245 χ^2/NDF: 227218.6/16

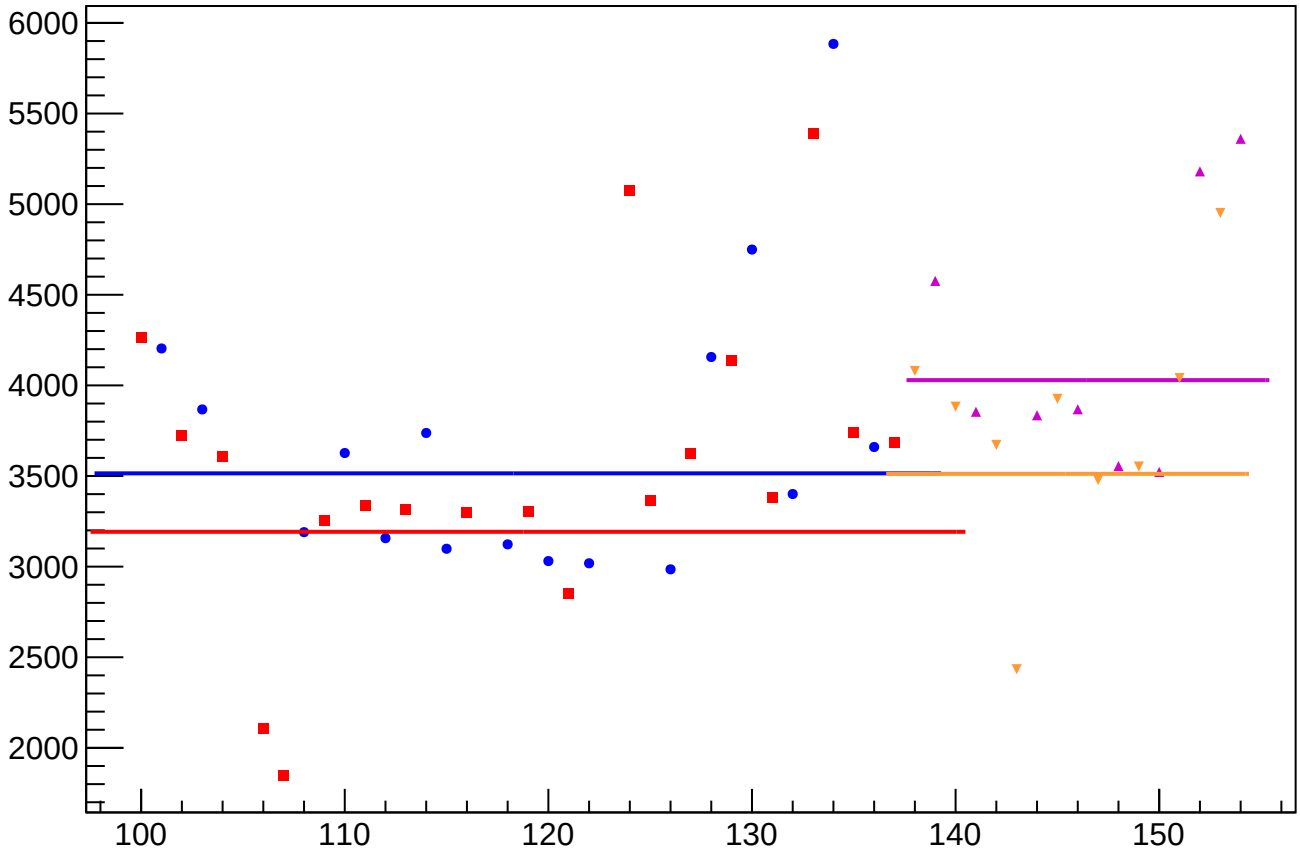
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

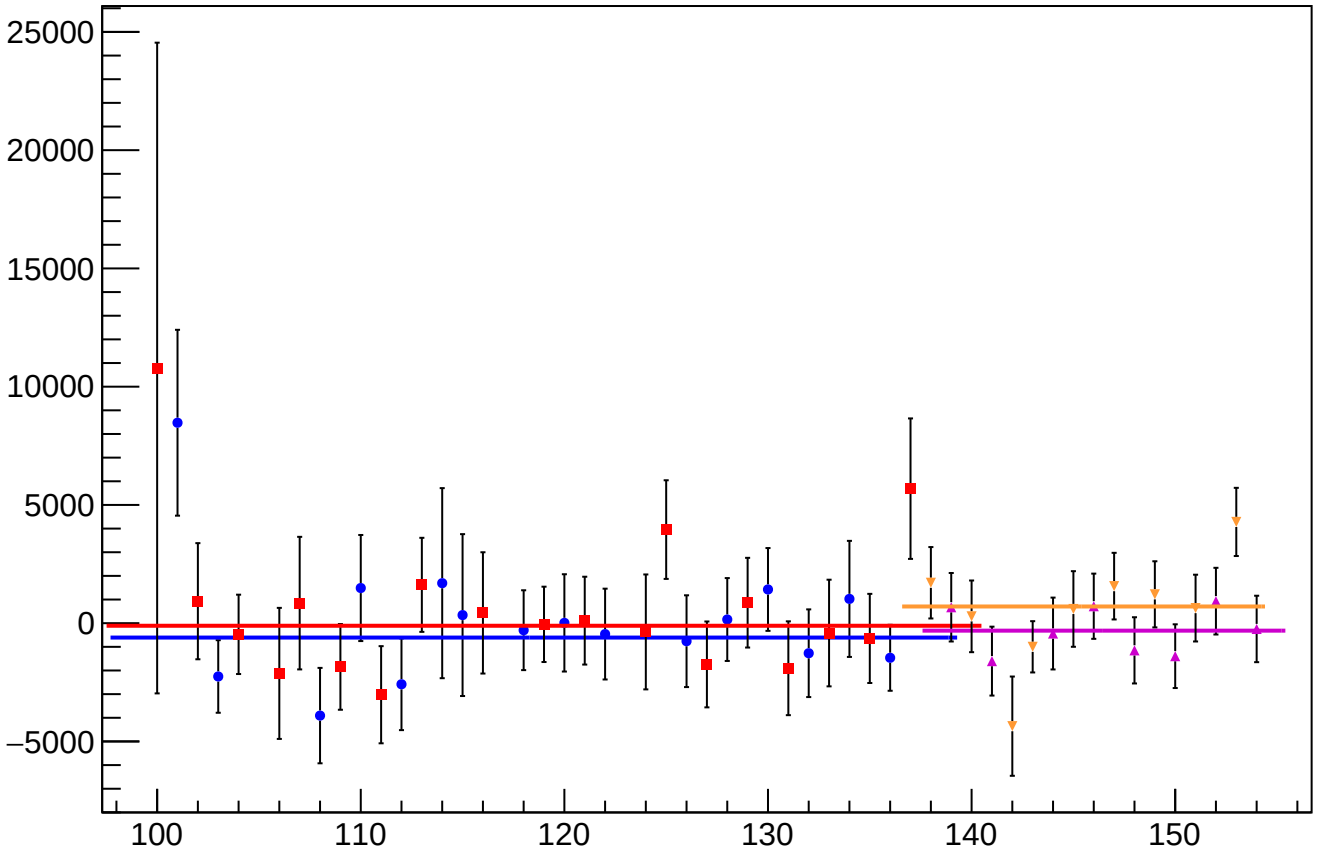
In: 1315.584+/-0.249 χ^2/NDF:531164.5/23

Out: 1280.281+/-0.241 χ^2/NDF:409942.8/27

All: 1297.385+/-0.173 χ^2/NDF: 951481.6/51


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: -460.355+/-1541.521 χ²/NDF:4.0/7
Left: -1214.727+/-1019.595 χ²/NDF: 12.9/16
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 311.636+/-1005.869 χ²/NDF:18.5/23
Out: -777.311+/-899.648 χ²/NDF:26.3/27
All: -293.352+/-670.567 χ²/NDF: 45.5/51


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: 4029.067+/-1.090 χ²/NDF:295872.9/7
Left: 3738.209+/-0.721 χ²/NDF: 972932.0/16
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3733.733+/-0.711 χ²/NDF:798795.5/23
Out: 3332.262+/-0.636 χ²/NDF:1385186.5/27
All: 3510.687+/-0.474 χ²/NDF: 2360990.4/51



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: -315.671+/-501.326 χ^2/NDF:3.6/7

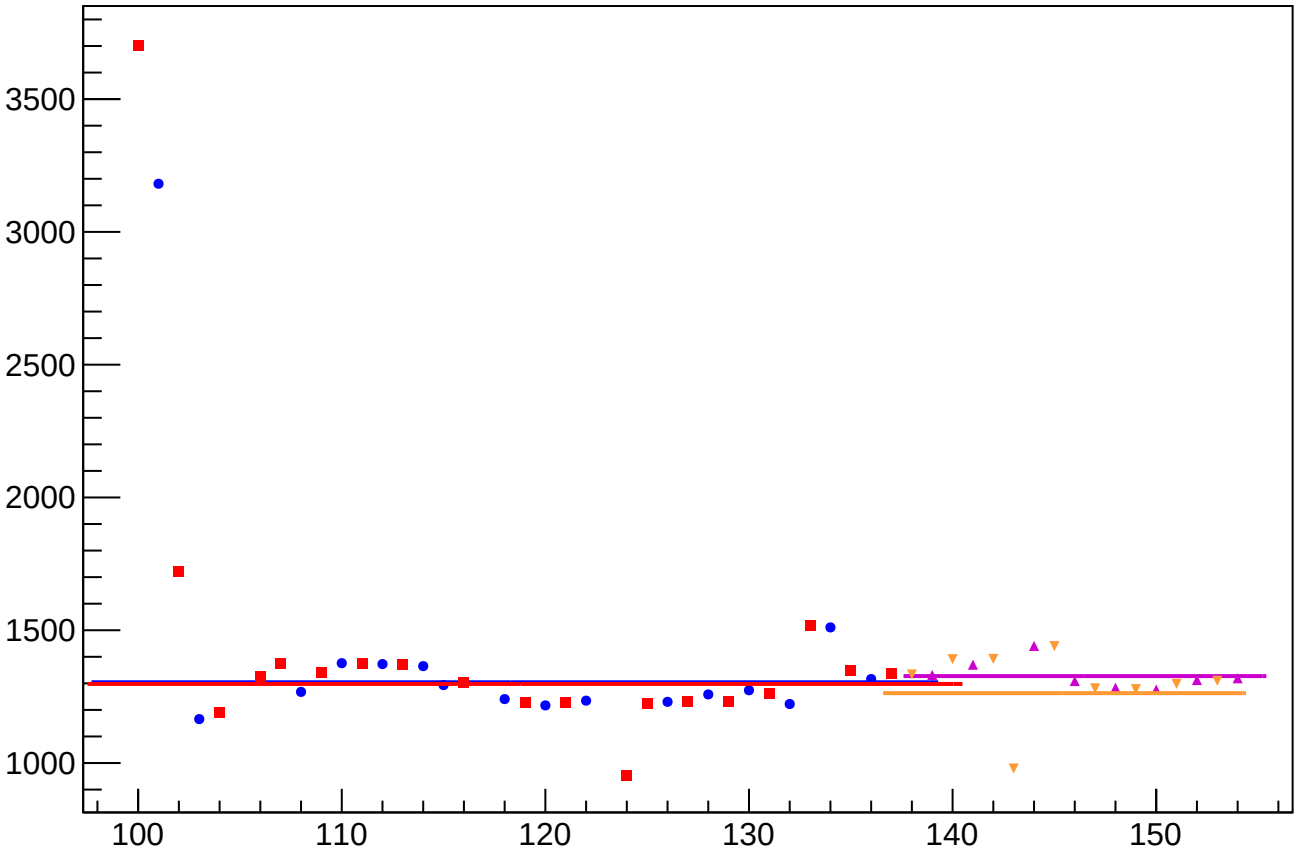
Left: 217.575+/-346.654 χ^2/NDF: 21.2/16

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -463.849+/-351.938 χ^2/NDF:17.9/23

Out: 303.562+/-341.309 χ^2/NDF:31.8/27

All: -68.380+/-245.013 χ^2/NDF: 52.1/51



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: 1327.400+/-0.354 χ^2/NDF:18384.7/7

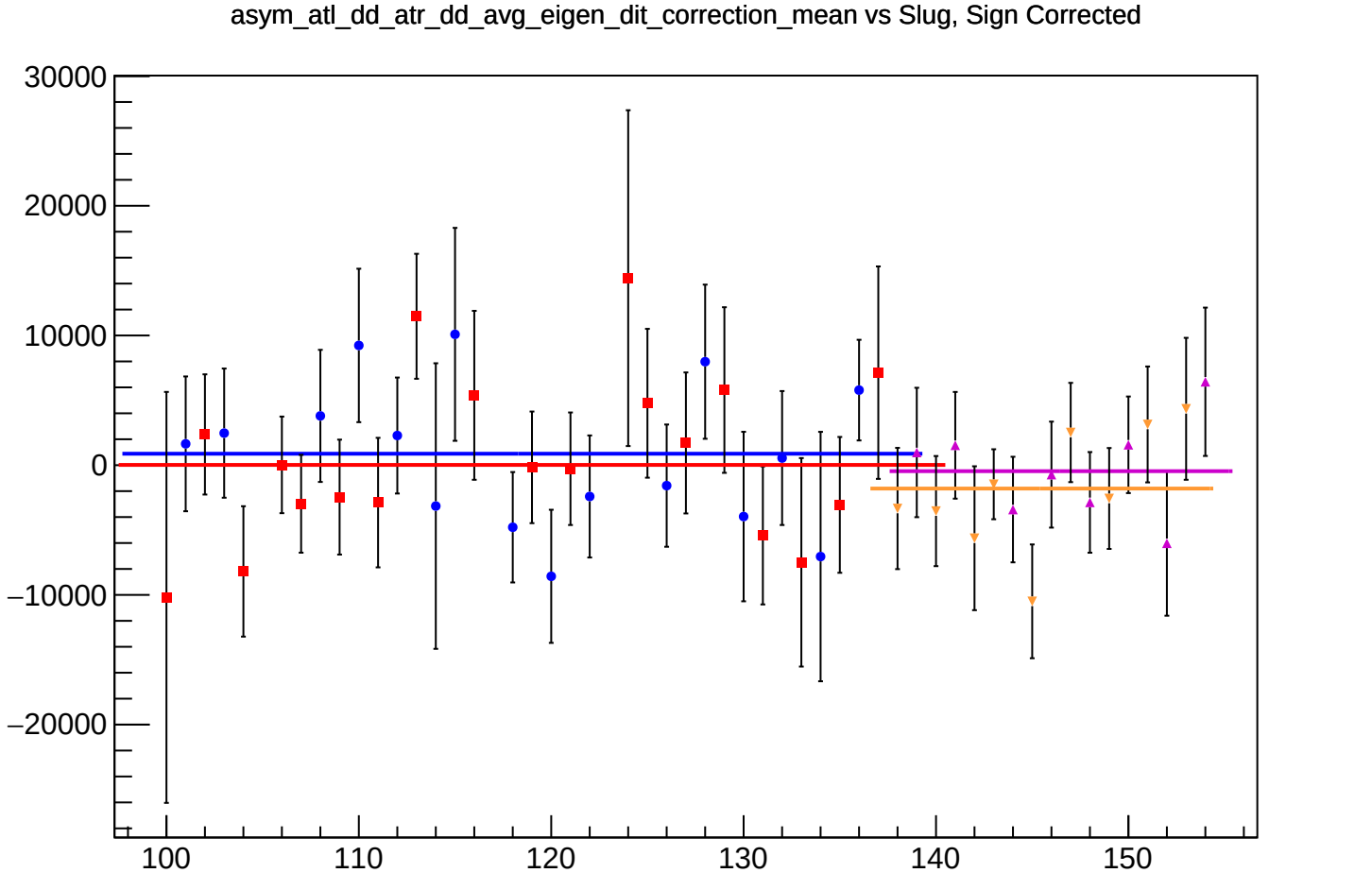
Left: 1293.870+/-0.245 χ^2/NDF: 227219.0/16

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

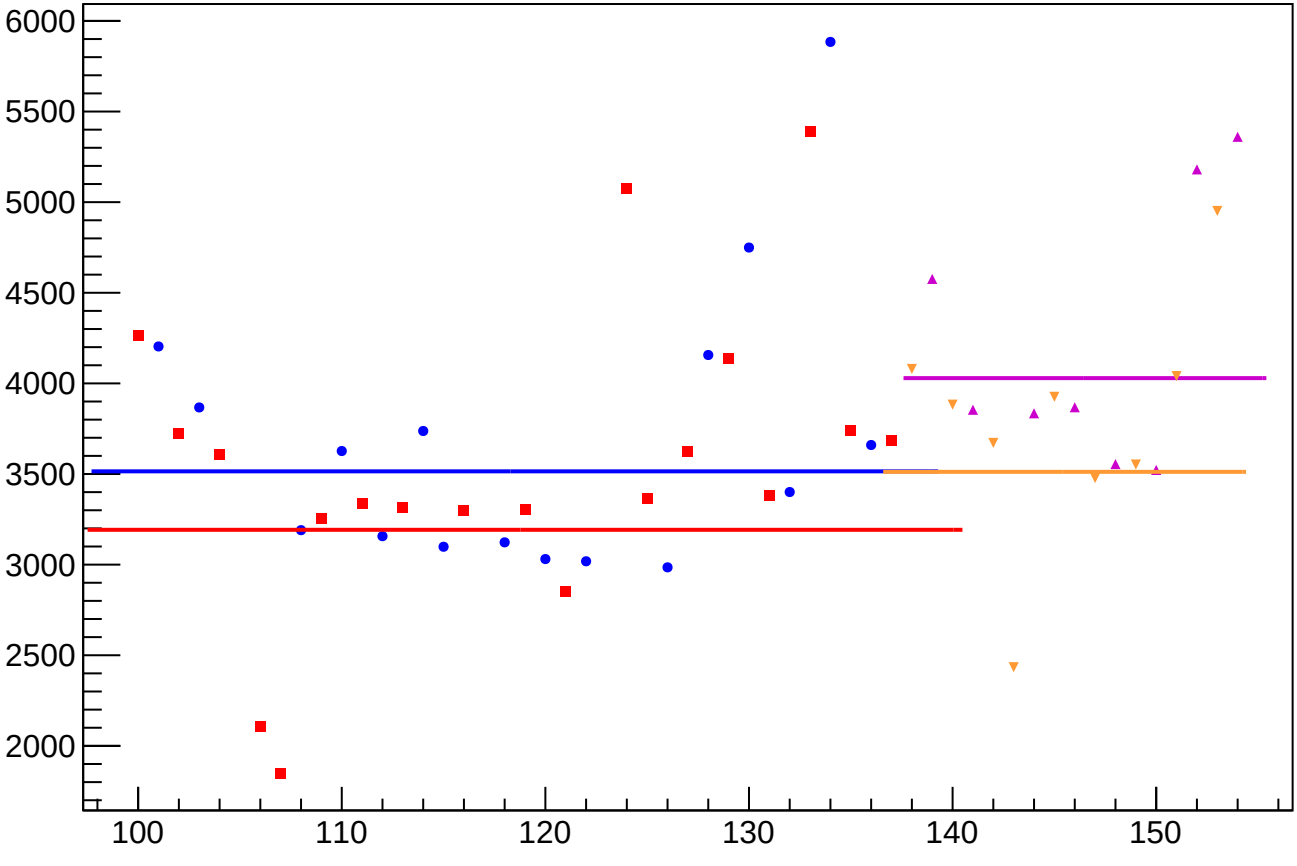
In: 1315.584+/-0.249 χ^2/NDF:531164.9/23

Out: 1280.281+/-0.241 χ^2/NDF:409942.9/27

All: 1297.385+/-0.173 χ^2/NDF: 951482.1/51


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
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: -460.354+/-1541.523 χ²/NDF:4.0/7
Left: -1214.725+/-1019.596 χ²/NDF: 12.9/16
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 311.633+/-1005.868 χ²/NDF:18.5/23
Out: -777.309+/-899.647 χ²/NDF:26.3/27
All: -293.352+/-670.567 χ²/NDF: 45.5/51

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: 4029.072+/-1.090 χ^2/NDF:295873.4/7

Left: 3738.214+/-0.721 χ^2/NDF: 972932.6/16

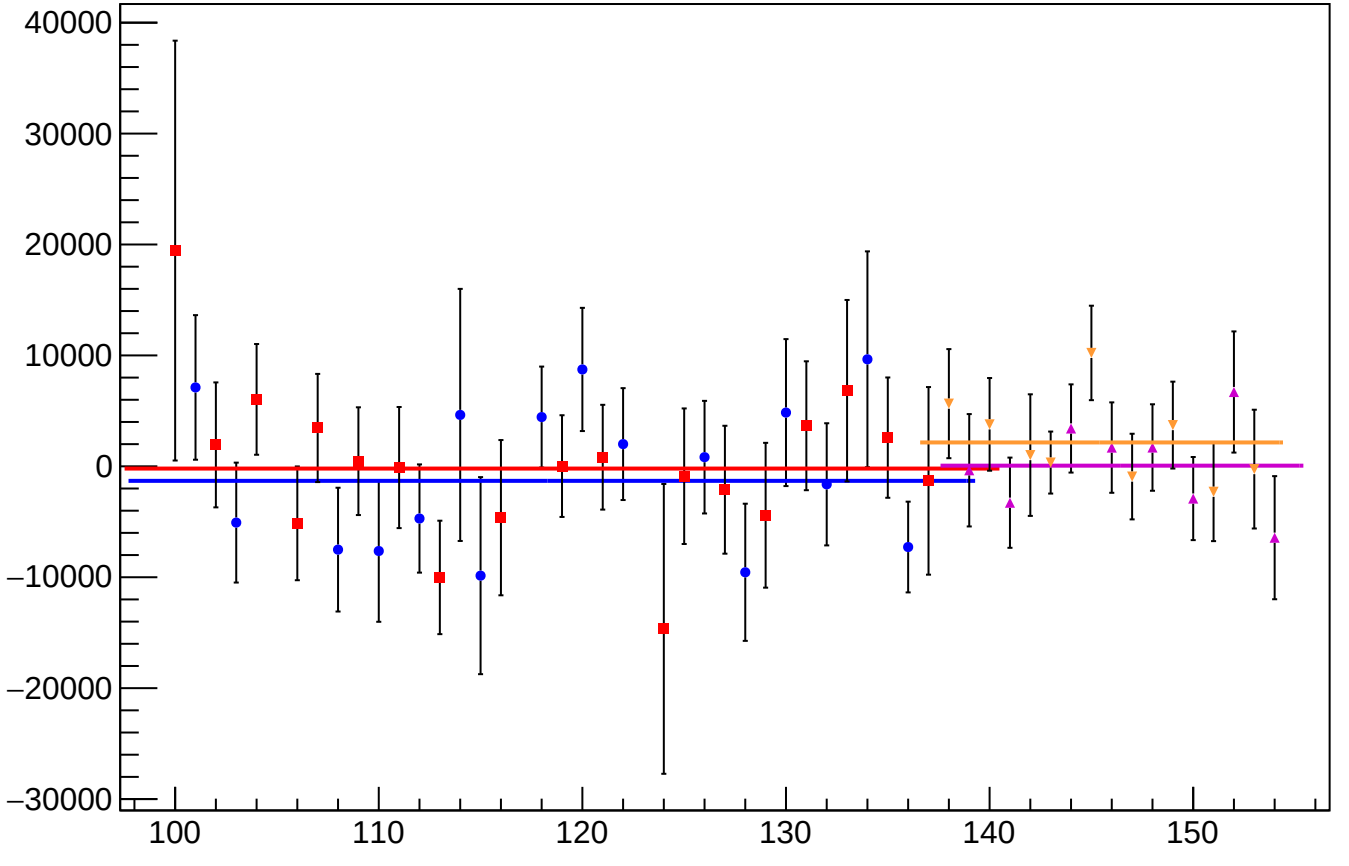
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3733.729+/-0.711 χ^2/NDF:798807.3/23

Out: 3332.259+/-0.636 χ^2/NDF:1385193.9/27

All: 3510.684+/-0.474 χ^2/NDF: 2361009.0/51

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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: 60.364+/-1532.346 χ^2/NDF:5.2/7

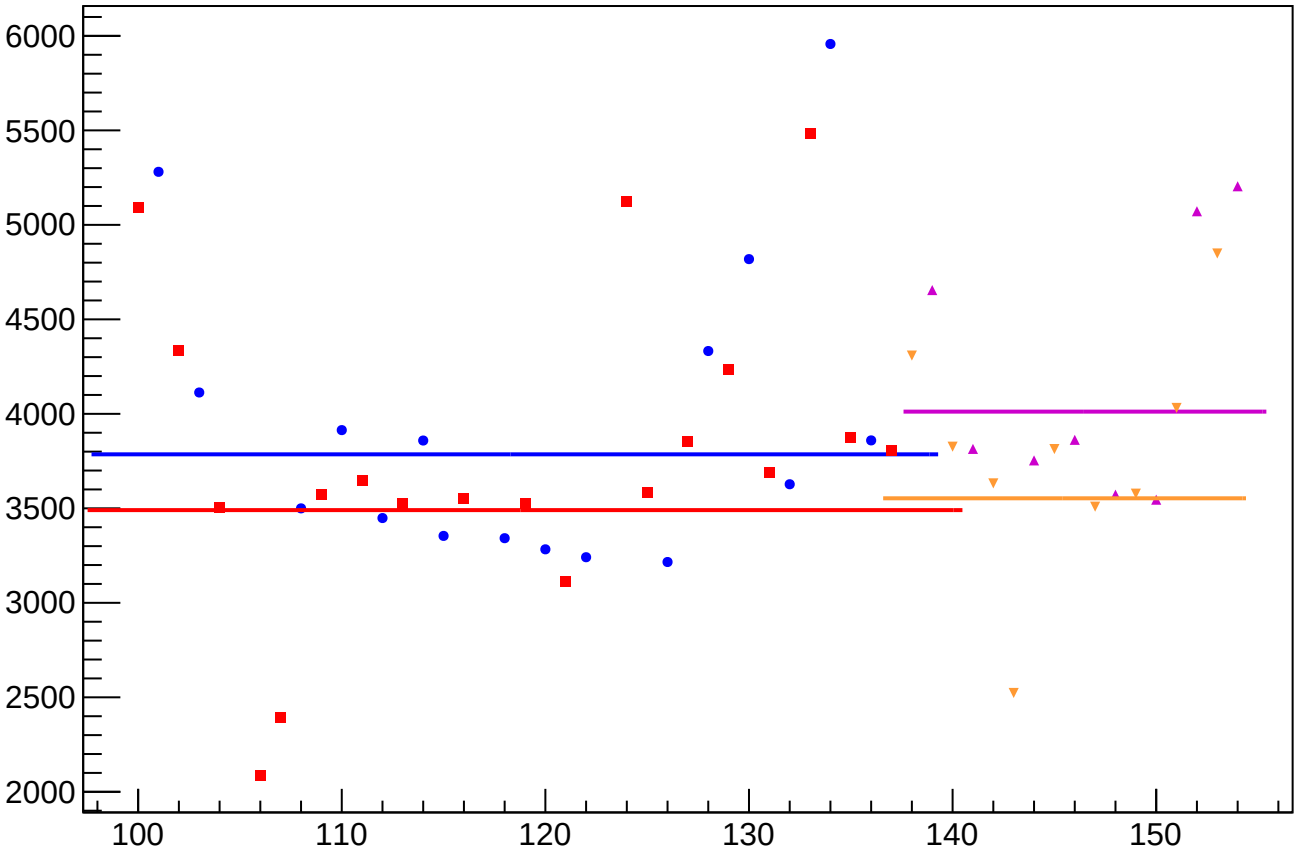
Left: 1223.315+/-1021.344 χ^2/NDF: 12.9/16

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -670.985+/-1046.108 χ^2/NDF:23.2/23

Out: 946.121+/-956.525 χ^2/NDF:19.9/27

All: 209.761+/-705.915 χ^2/NDF: 44.4/51



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: 4011.759+/-1.084 χ^2/NDF:272083.9/7

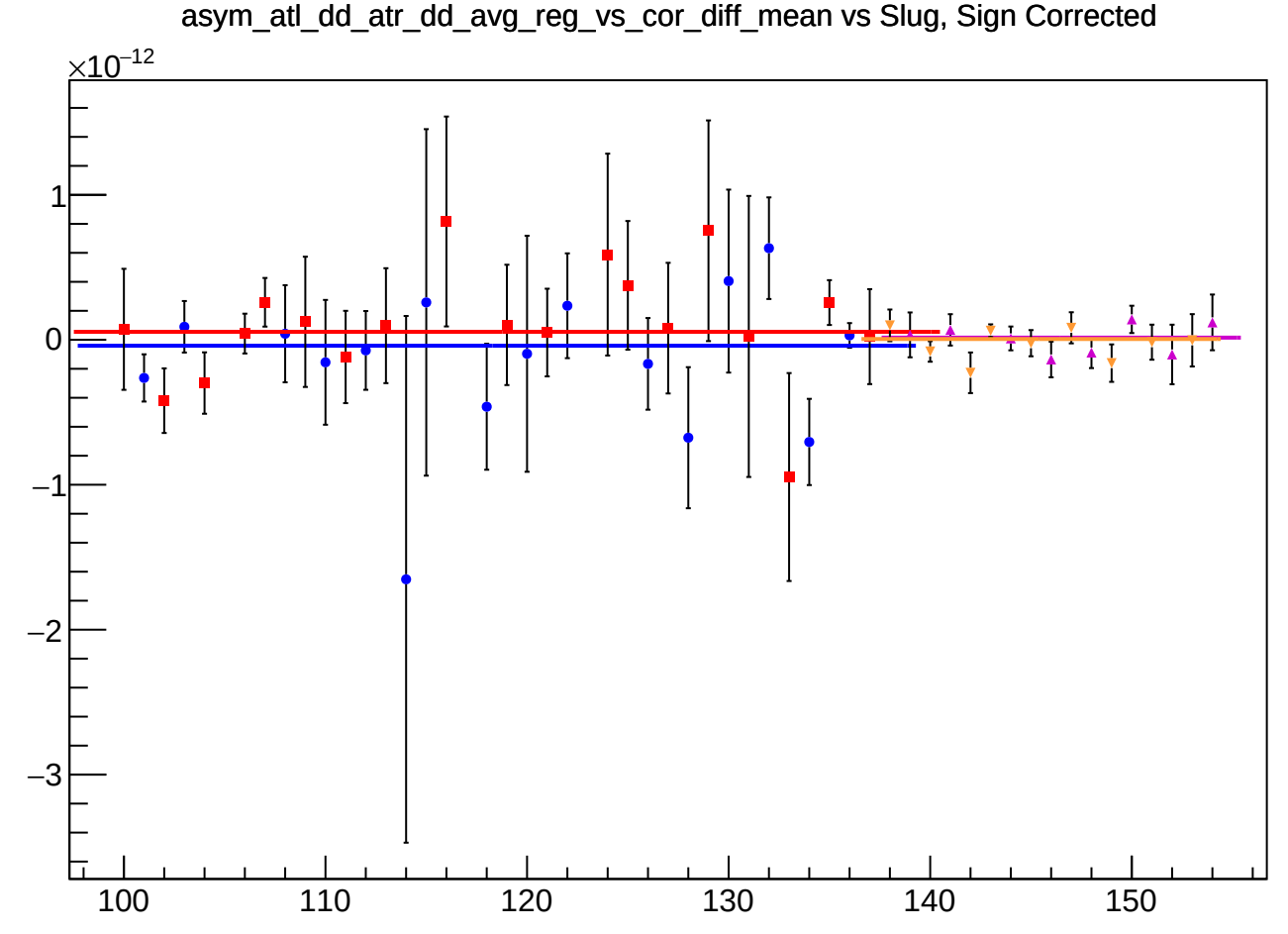
Left: 3756.864+/-0.722 χ^2/NDF: 847437.4/16

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3891.095+/-0.740 χ^2/NDF:678302.8/23

Out: 3520.647+/-0.672 χ^2/NDF:1064652.1/27

All: 3688.033+/-0.497 χ^2/NDF: 1880434.0/51



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:5.1/7

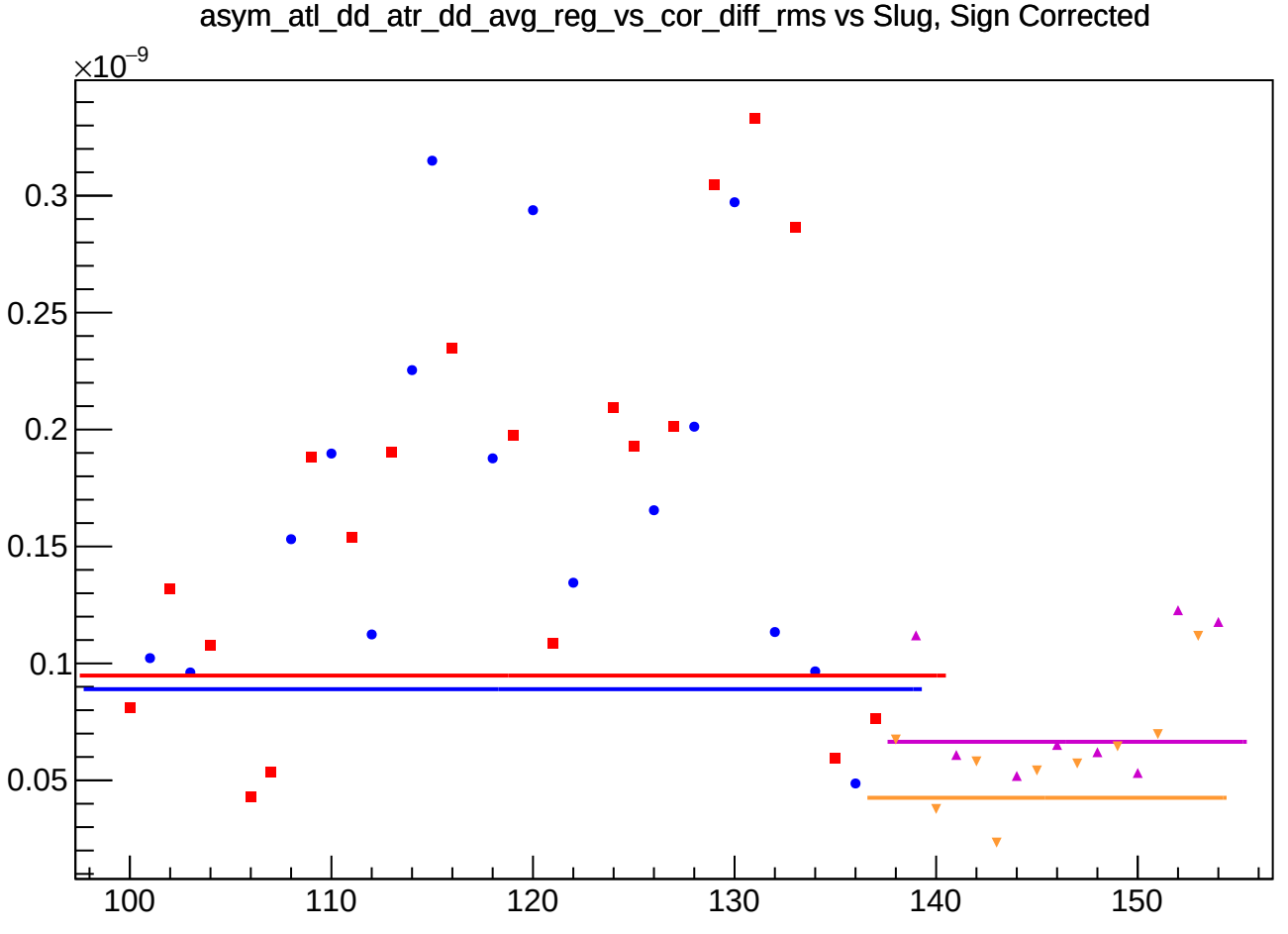
Left: 0.000+/-0.000 χ^2/NDF: 14.1/16

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:25.4/27

All: 0.000+/-0.000 χ^2/NDF: 47.9/51



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:577604.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2076212.1/16

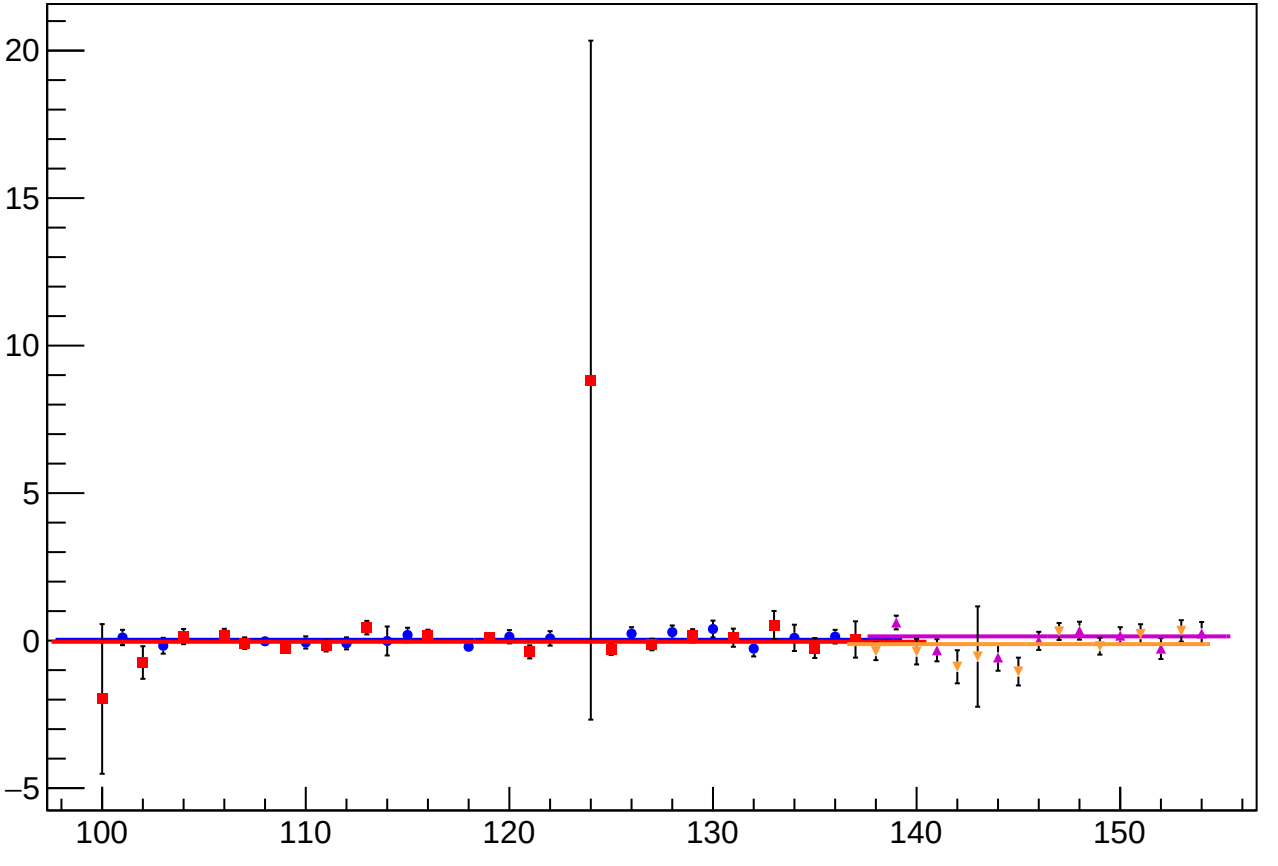
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2234118.2/23

Out: 0.000+/-0.000 χ^2/NDF:3888605.4/27

All: 0.000+/-0.000 χ^2/NDF: 6682234.7/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

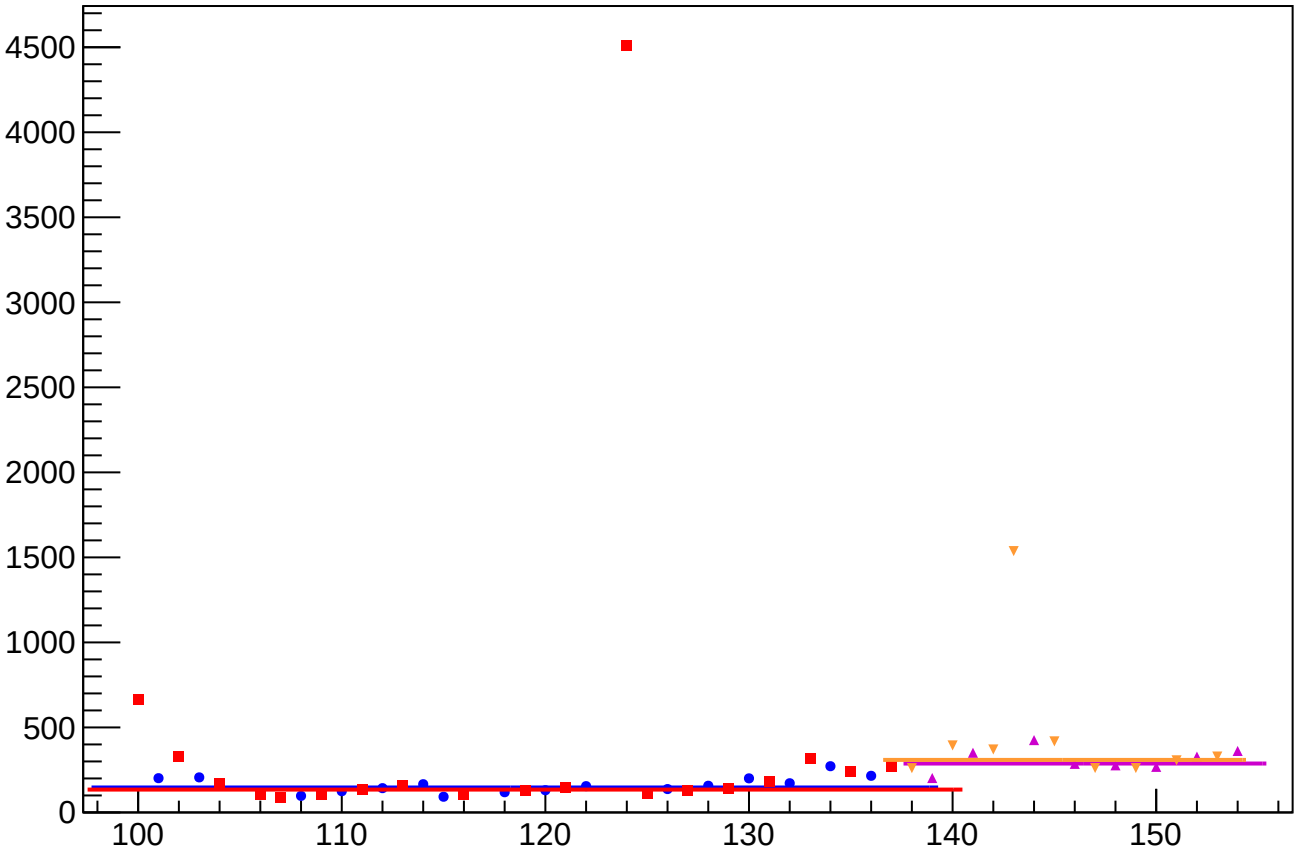
Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51



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: 287.728+/-0.079 χ^2/NDF:624337.1/7

Left: 297.326+/-0.059 χ^2/NDF: 2074996.6/16

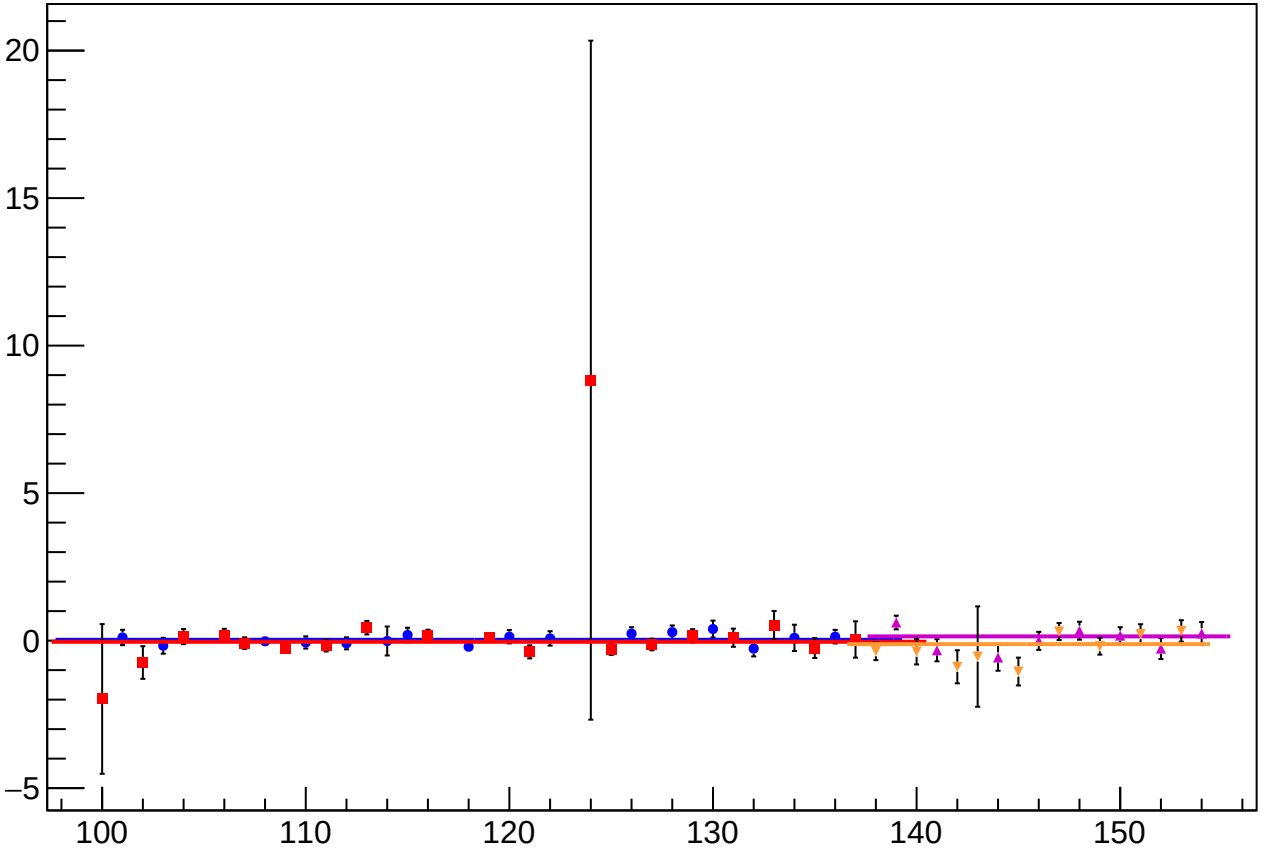
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 169.456+/-0.025 χ^2/NDF: 10518461.7/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

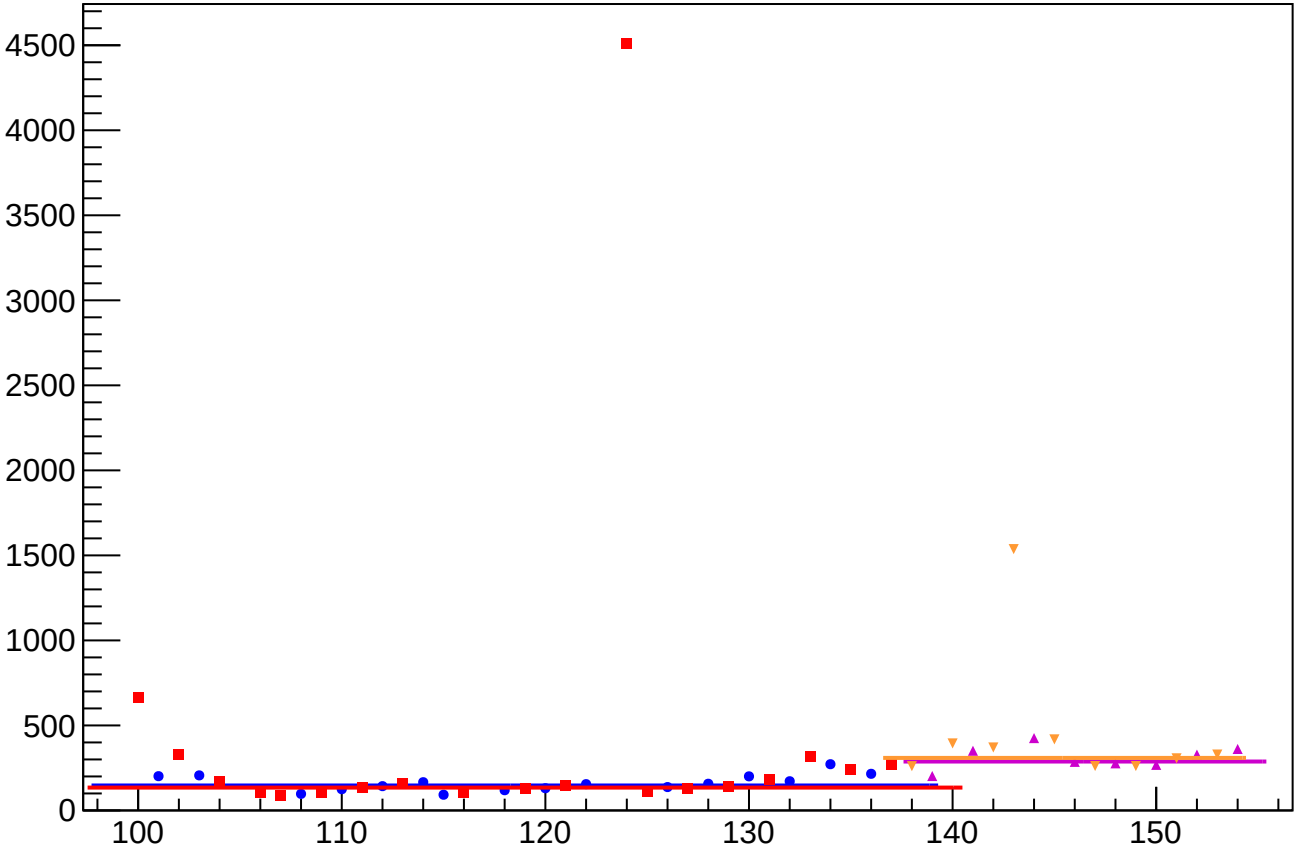
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.728+/-0.079 χ^2/NDF:624337.1/7

Left: 297.326+/-0.059 χ^2/NDF: 2074996.6/16

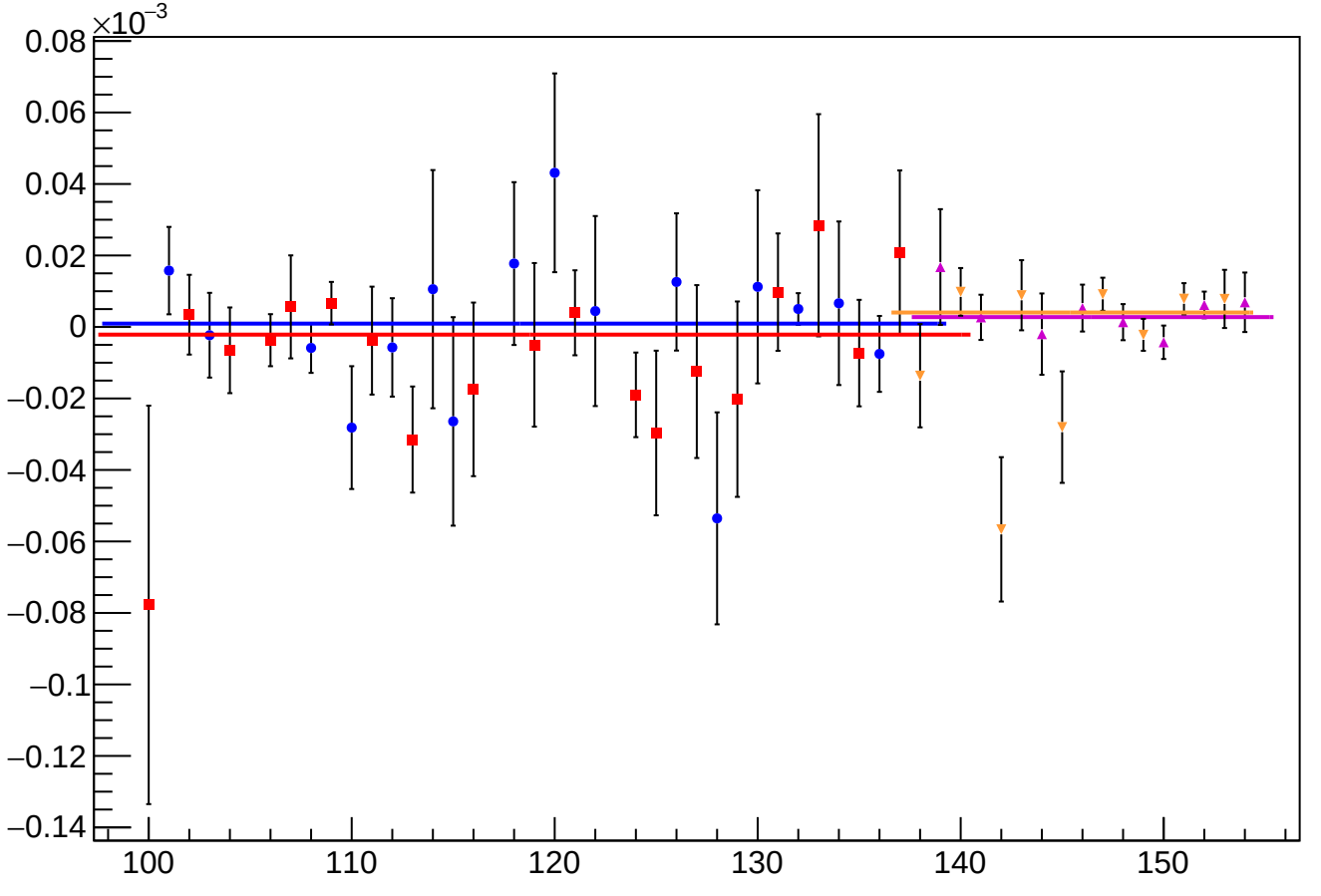
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 169.456+/-0.025 χ^2/NDF: 10518461.7/51

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:4.5/7

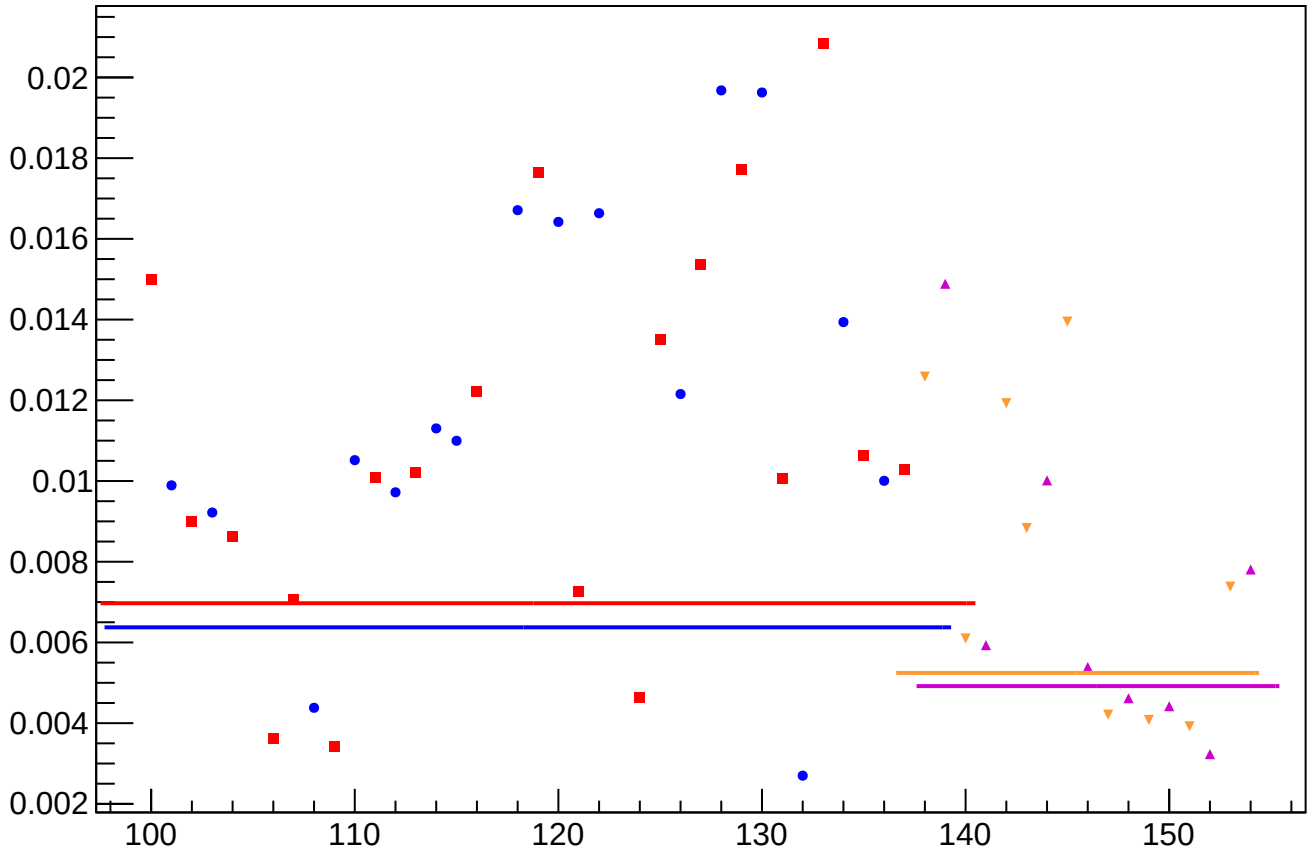
Left: 0.000+/-0.000 χ^2/NDF: 24.6/16

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:19.6/23

Out: 0.000+/-0.000 χ^2/NDF:38.7/27

All: 0.000+/-0.000 χ^2/NDF: 58.3/51



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:1899835.1/7

Left: 0.005+/-0.000 χ^2/NDF: 4139859.3/16

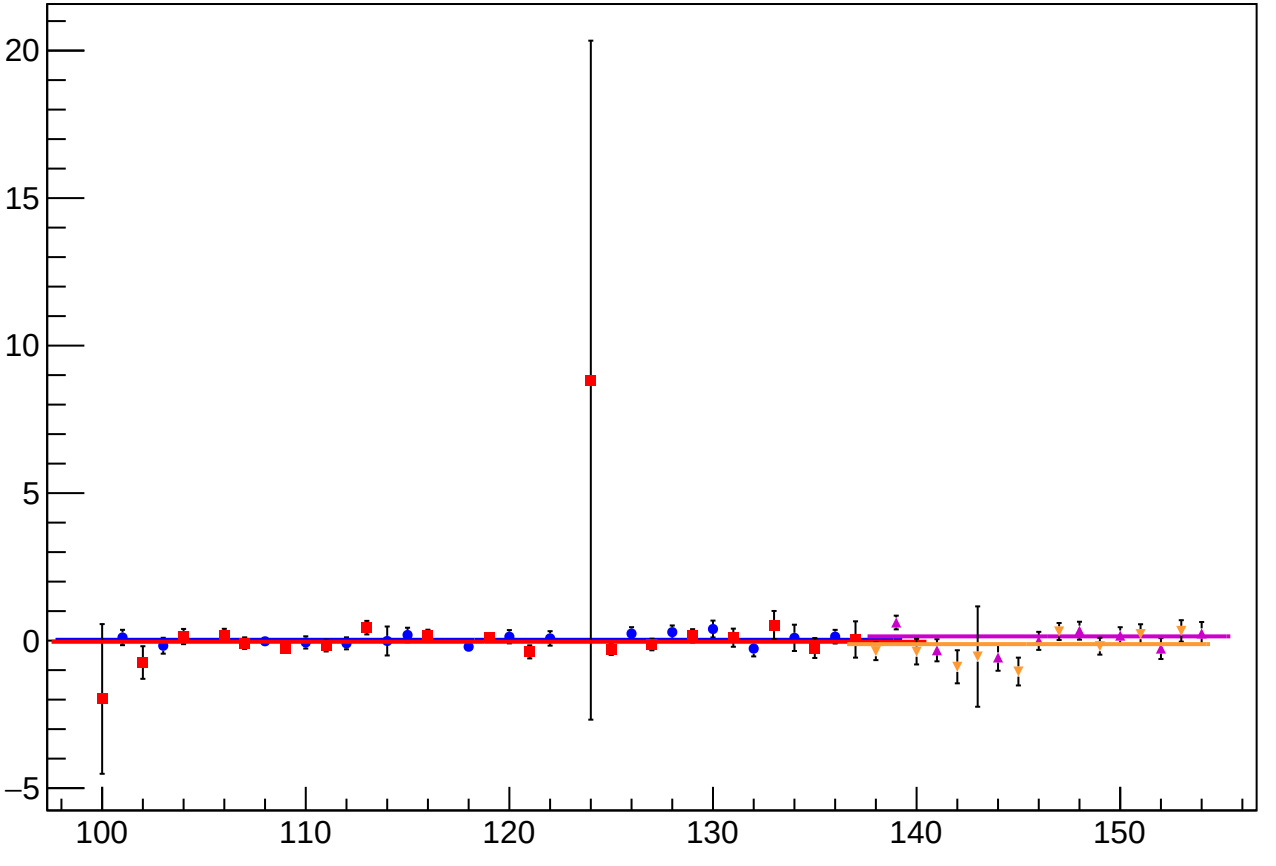
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6868250.1/23

Out: 0.006+/-0.000 χ^2/NDF:6056102.4/27

All: 0.006+/-0.000 χ^2/NDF: 12987120.7/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

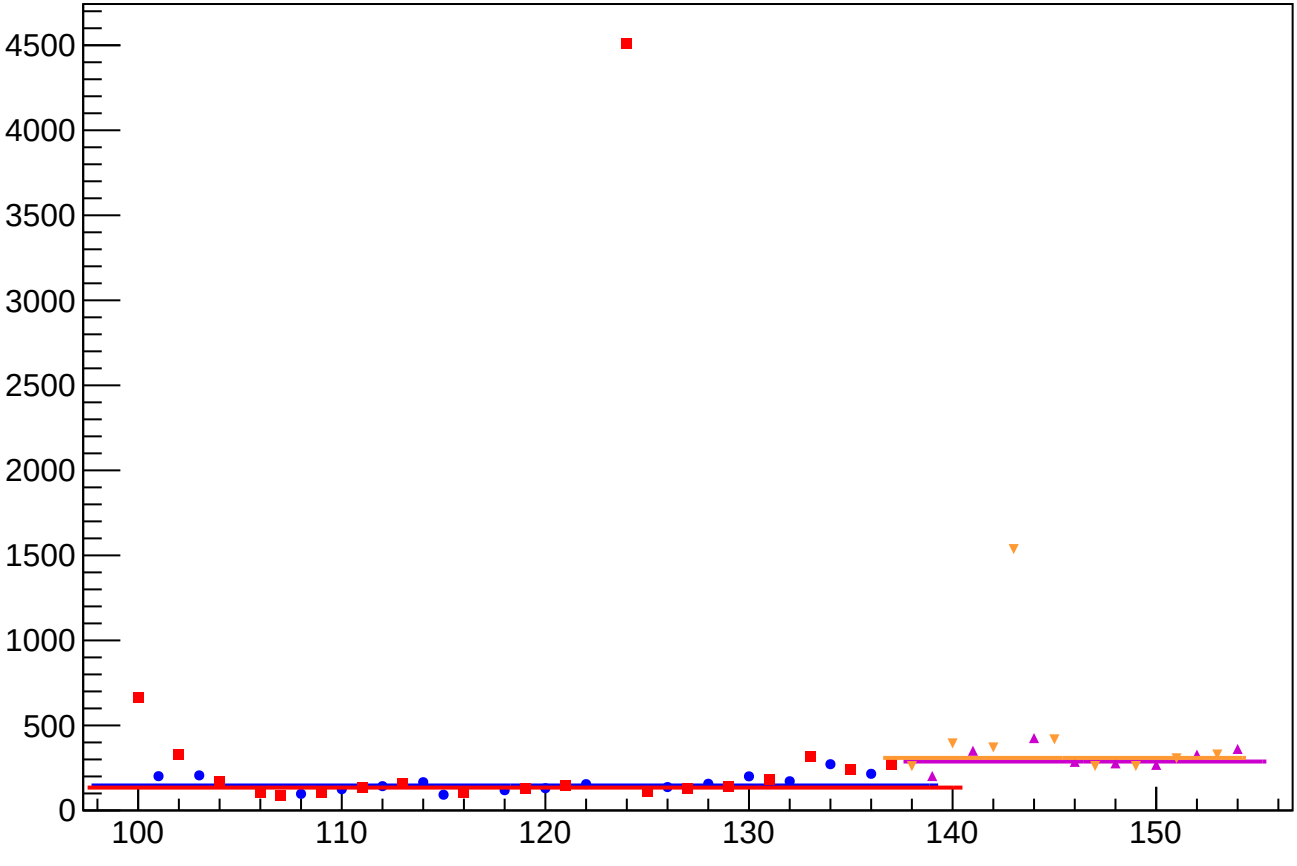
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.731+/-0.079 χ^2/NDF:624316.3/7

Left: 297.329+/-0.059 χ^2/NDF: 2074972.2/16

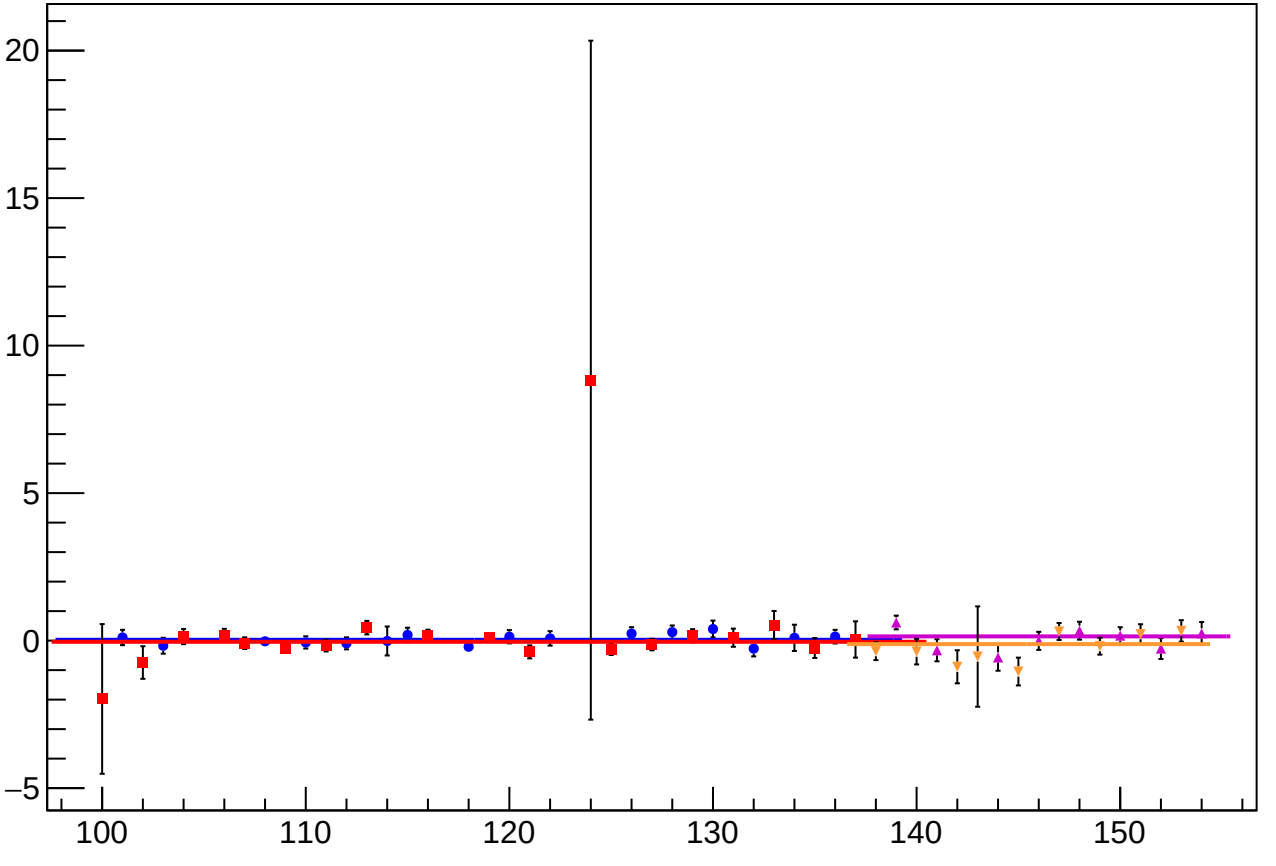
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 169.457+/-0.025 χ^2/NDF: 10518396.2/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

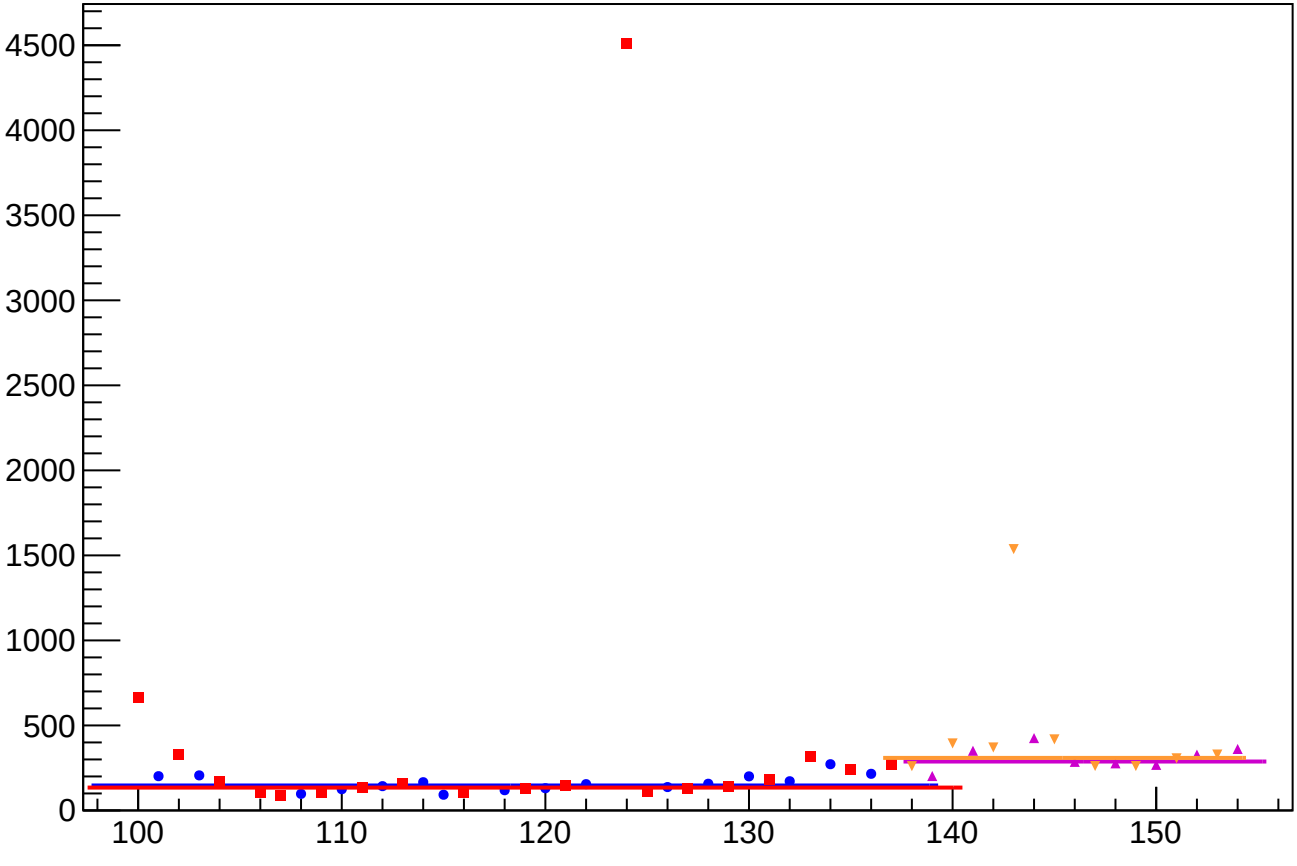
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.731+/-0.079 χ^2/NDF:624316.3/7

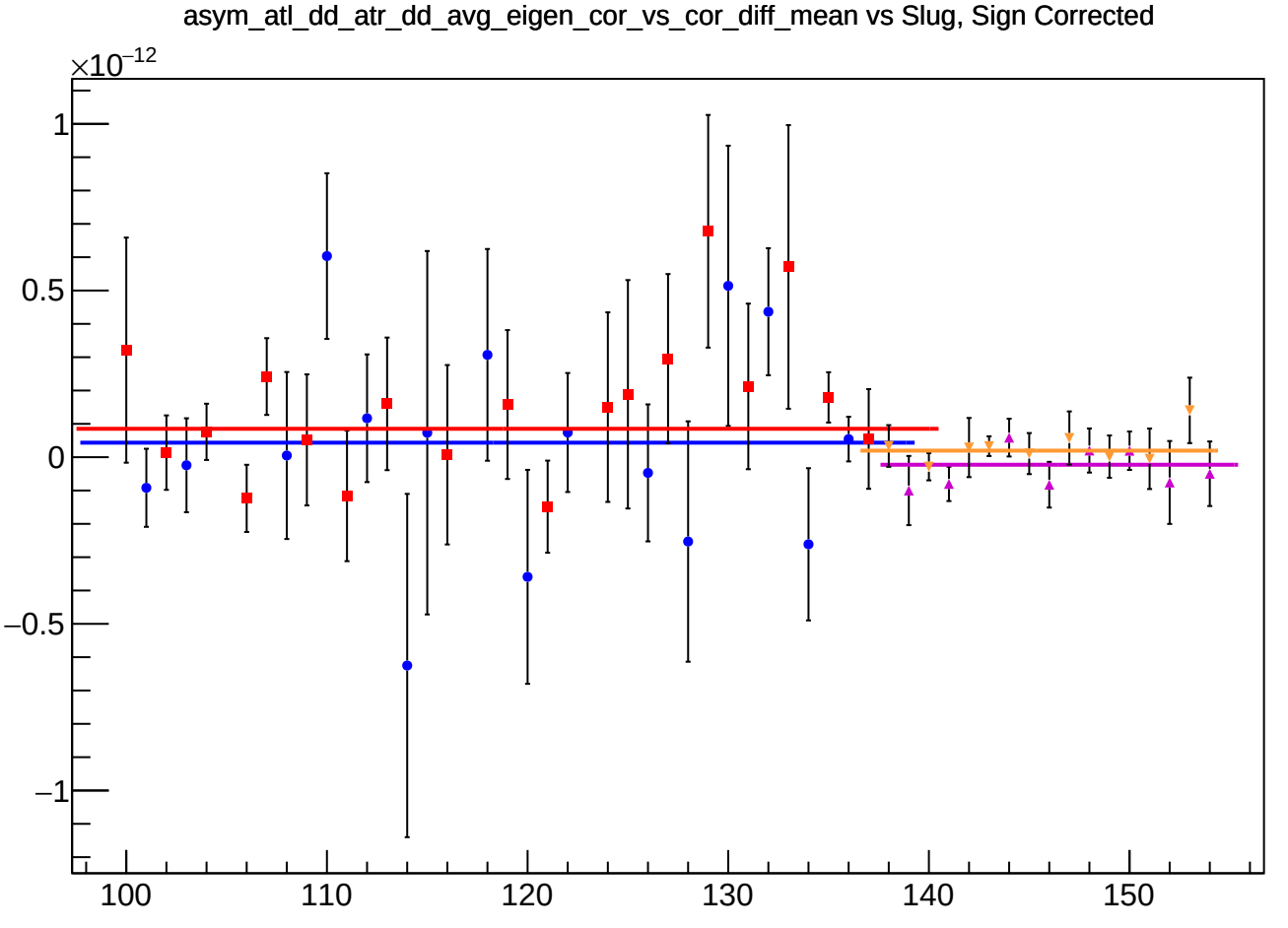
Left: 297.329+/-0.059 χ^2/NDF: 2074972.2/16

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 169.457+/-0.025 χ^2/NDF: 10518396.2/51



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:5.8/7

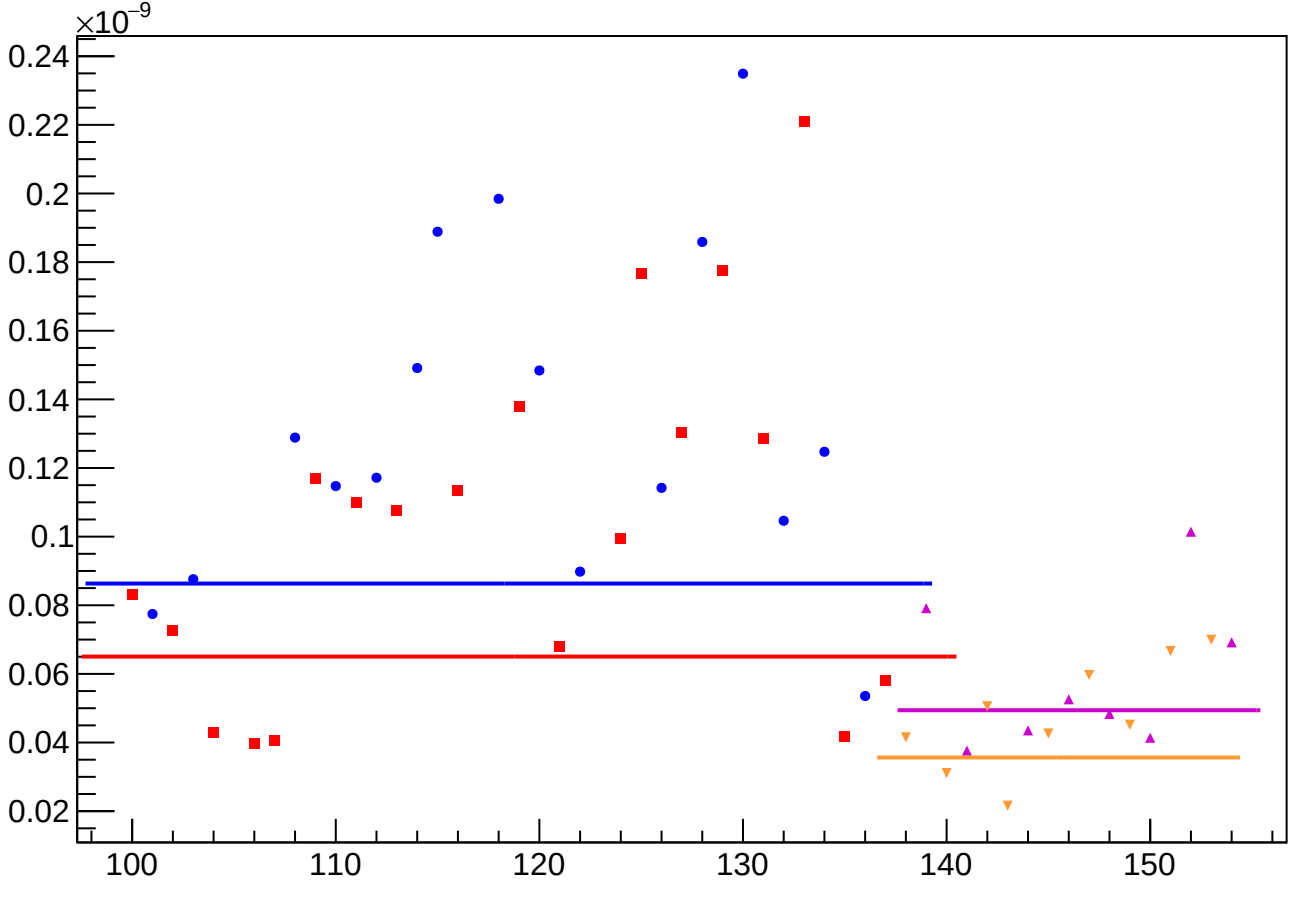
Left: 0.000+/-0.000 χ^2/NDF: 11.3/16

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.6/23

Out: 0.000+/-0.000 χ^2/NDF:24.6/27

All: 0.000+/-0.000 χ^2/NDF: 53.6/51



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:767201.4/7

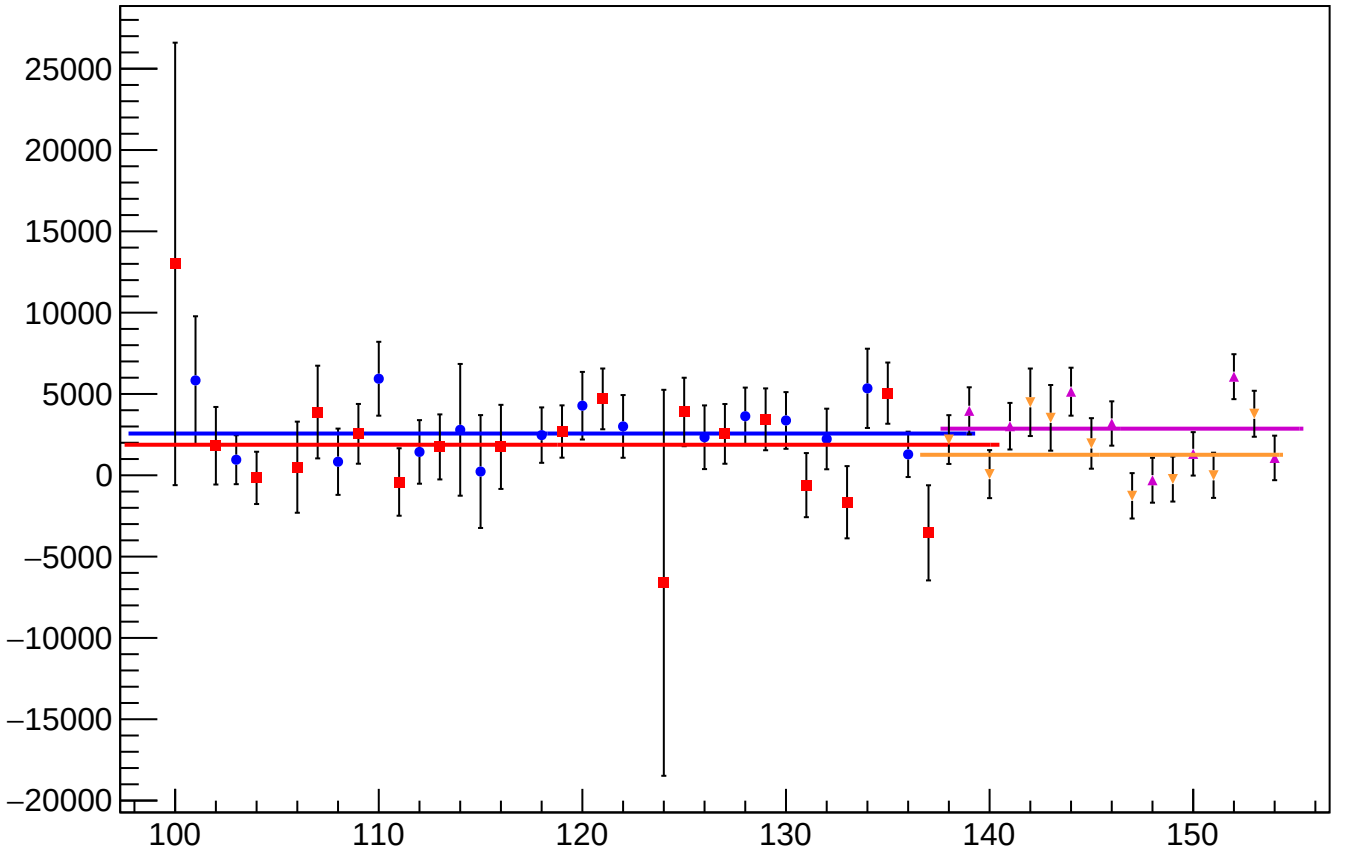
Left: 0.000+/-0.000 χ^2/NDF: 2457844.5/16

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3460936.3/23

Out: 0.000+/-0.000 χ^2/NDF:4588730.5/27

All: 0.000+/-0.000 χ^2/NDF: 8802797.9/51



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: 2866.666+/-493.529 χ^2/NDF:16.7/7

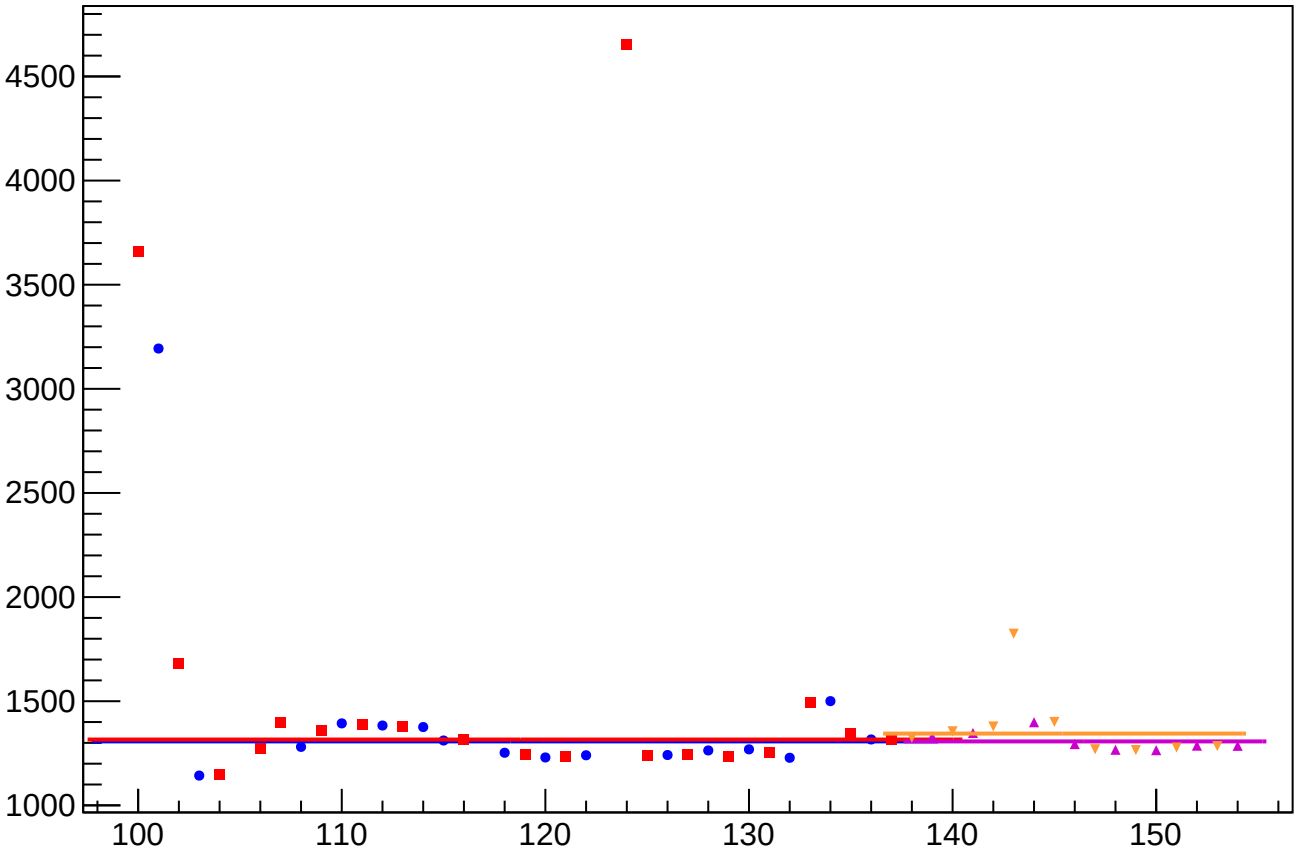
Left: 2089.717+/-354.558 χ^2/NDF: 35.2/16

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

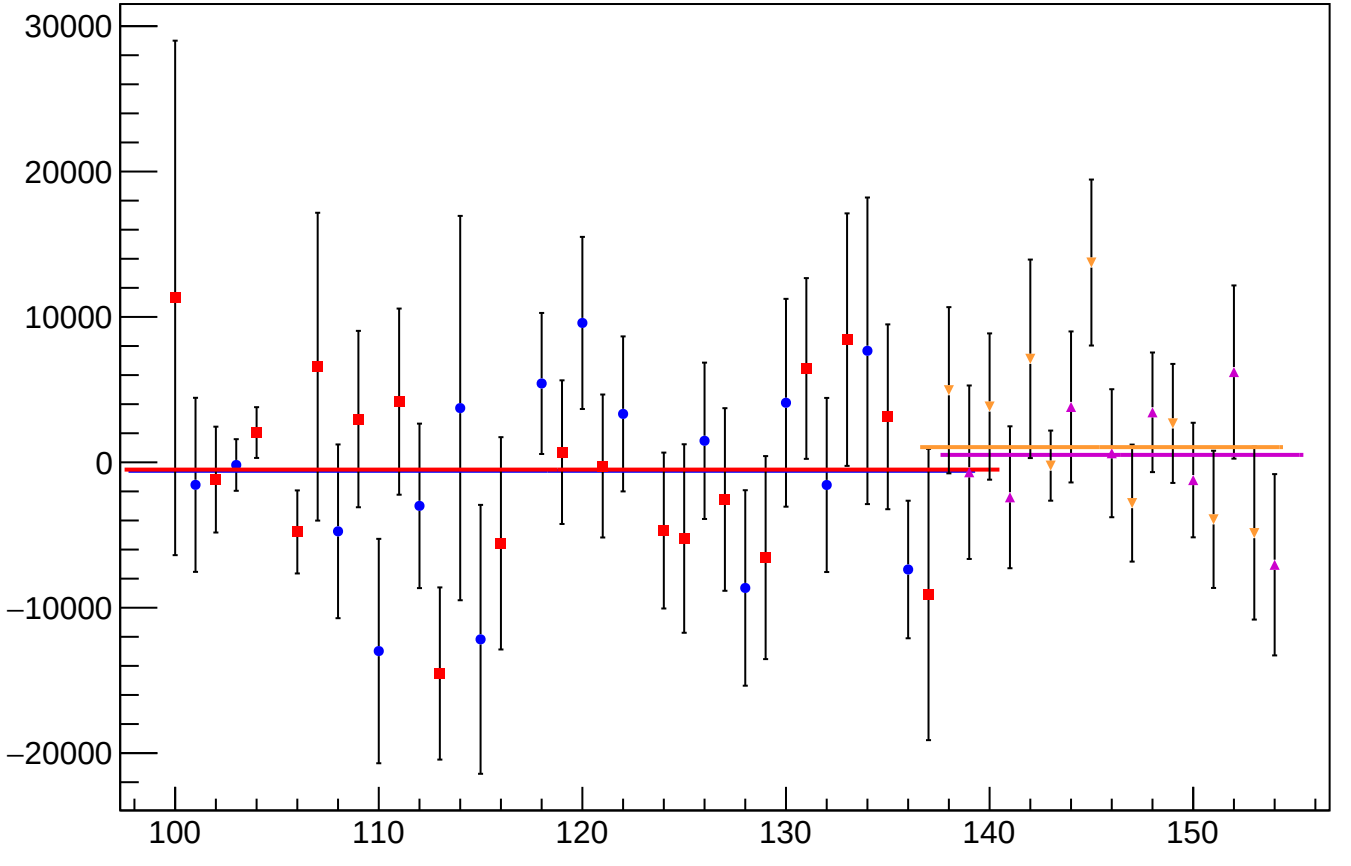
In: 2717.618+/-349.625 χ^2/NDF:25.9/23

Out: 1578.722+/-354.998 χ^2/NDF:33.7/27

All: 2156.855+/-249.100 χ^2/NDF: 64.8/51


reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1307.068+/-0.350 χ²/NDF: 516249.0/15
Left Out: 1344.572+/-0.360 χ²/NDF:137054.2/8
Right Out: 1315.999+/-0.349 χ²/NDF: 326420.0/18
Left In: 1306.906+/-0.349 χ²/NDF:14662.9/7
Left: 1325.132+/-0.251 χ²/NDF: 157354.1/16
Right: 1311.551+/-0.247 χ²/NDF: 842995.4/34
In: 1306.987+/-0.247 χ²/NDF:530912.0/23
Out: 1329.821+/-0.251 χ²/NDF:466719.0/27
All: 1318.246+/-0.176 χ²/NDF: 1001837.3/51

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: 511.986+/-1724.647 χ^2/NDF:3.9/7

Left: 828.509+/-1100.826 χ^2/NDF: 13.9/16

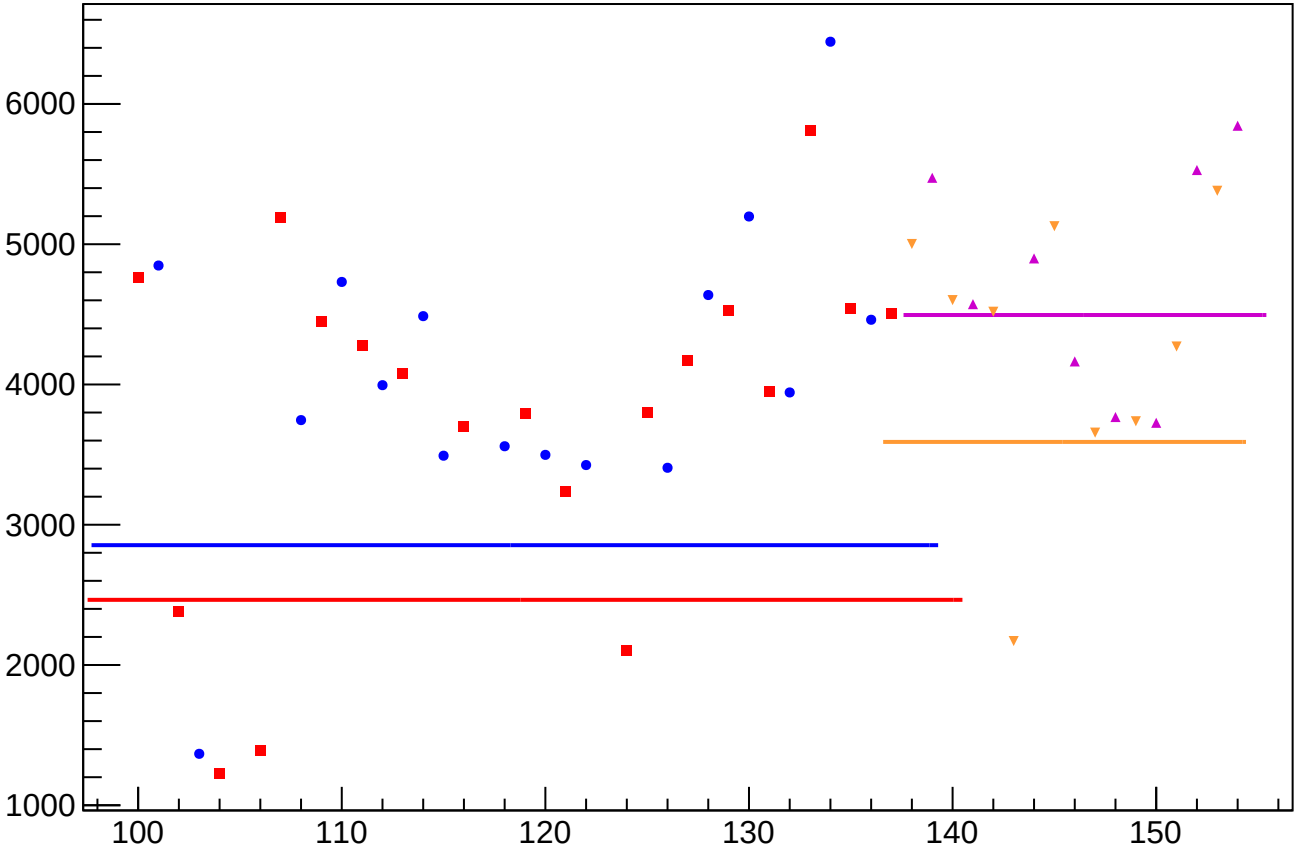
Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -227.858+/-981.061 χ^2/NDF:18.9/23

Out: 45.154+/-849.192 χ^2/NDF:28.4/27

All: -71.783+/-642.069 χ^2/NDF: 47.4/51

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



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: 4495.288+/-1.220 χ^2/NDF:370201.4/7

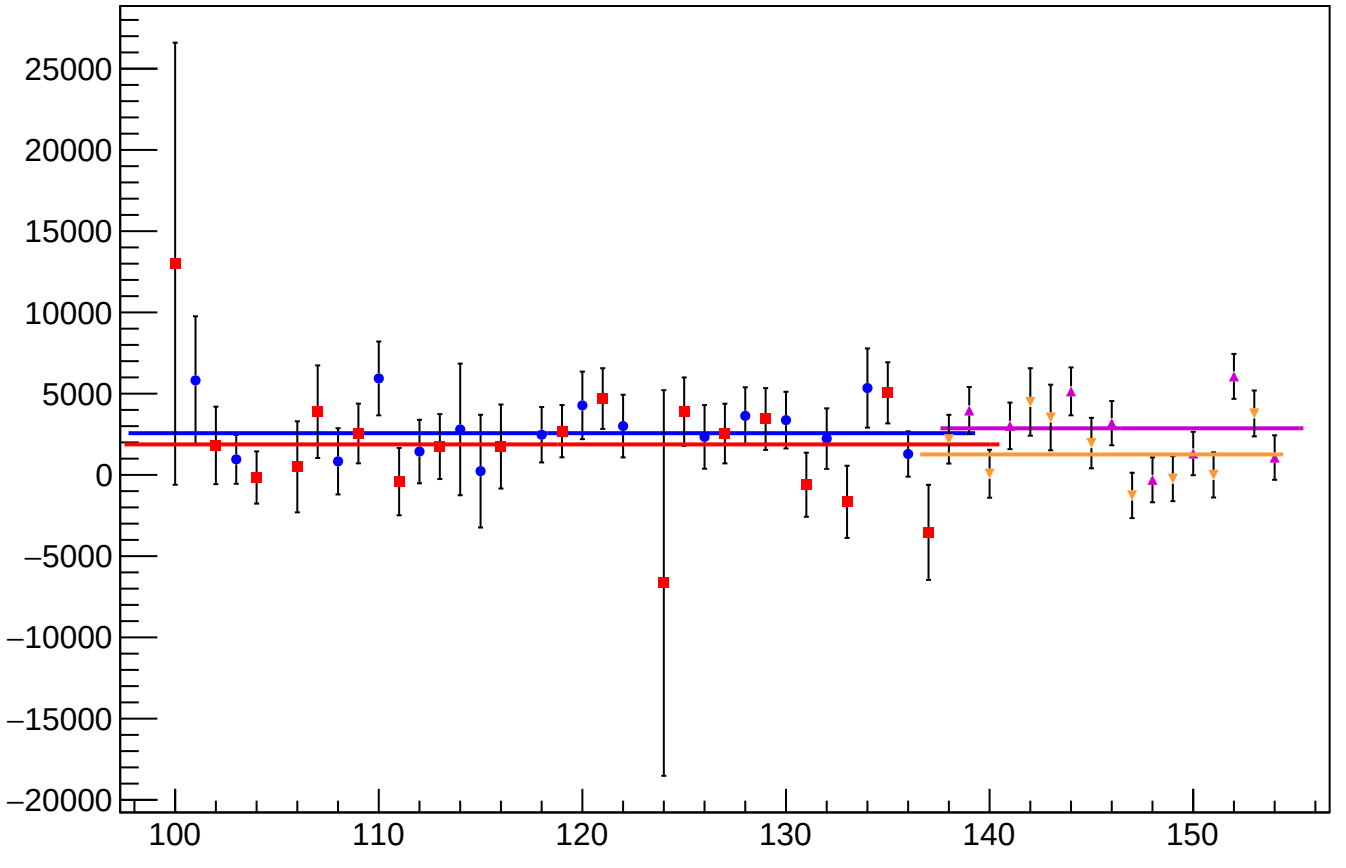
Left: 3959.120+/-0.778 χ^2/NDF: 2001049.2/16

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3385.302+/-0.694 χ^2/NDF:4499786.3/23

Out: 2861.625+/-0.600 χ^2/NDF:5463188.1/27

All: 3085.928+/-0.454 χ^2/NDF: 10288749.0/5



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: 2866.859+/-493.529 χ^2/NDF:16.7/7

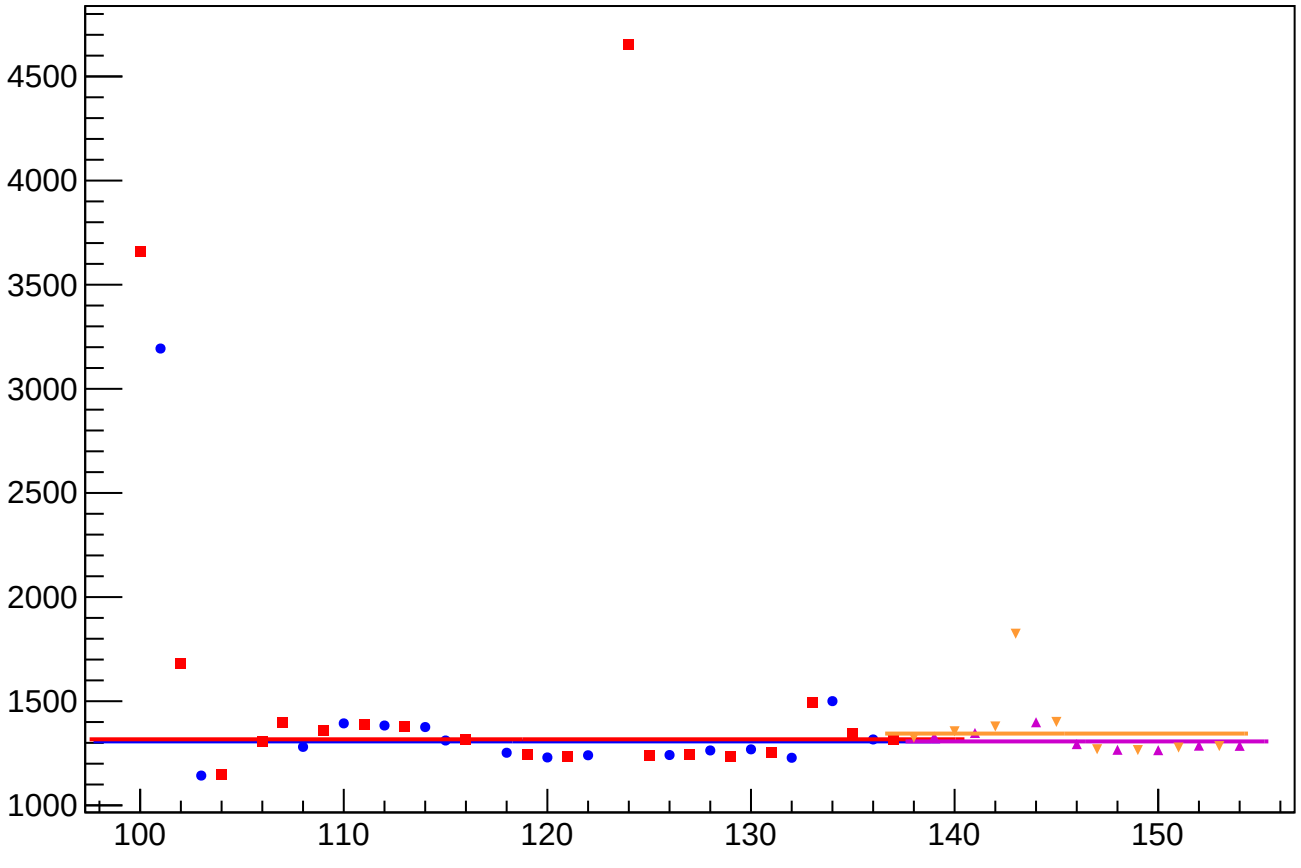
Left: 2089.771+/-354.558 χ^2/NDF: 35.2/16

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2717.575+/-349.625 χ^2/NDF:25.9/23

Out: 1578.545+/-354.998 χ^2/NDF:33.7/27

All: 2156.746+/-249.100 χ^2/NDF: 64.8/51



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: 1306.906+/-0.349 χ^2/NDF:14662.9/7

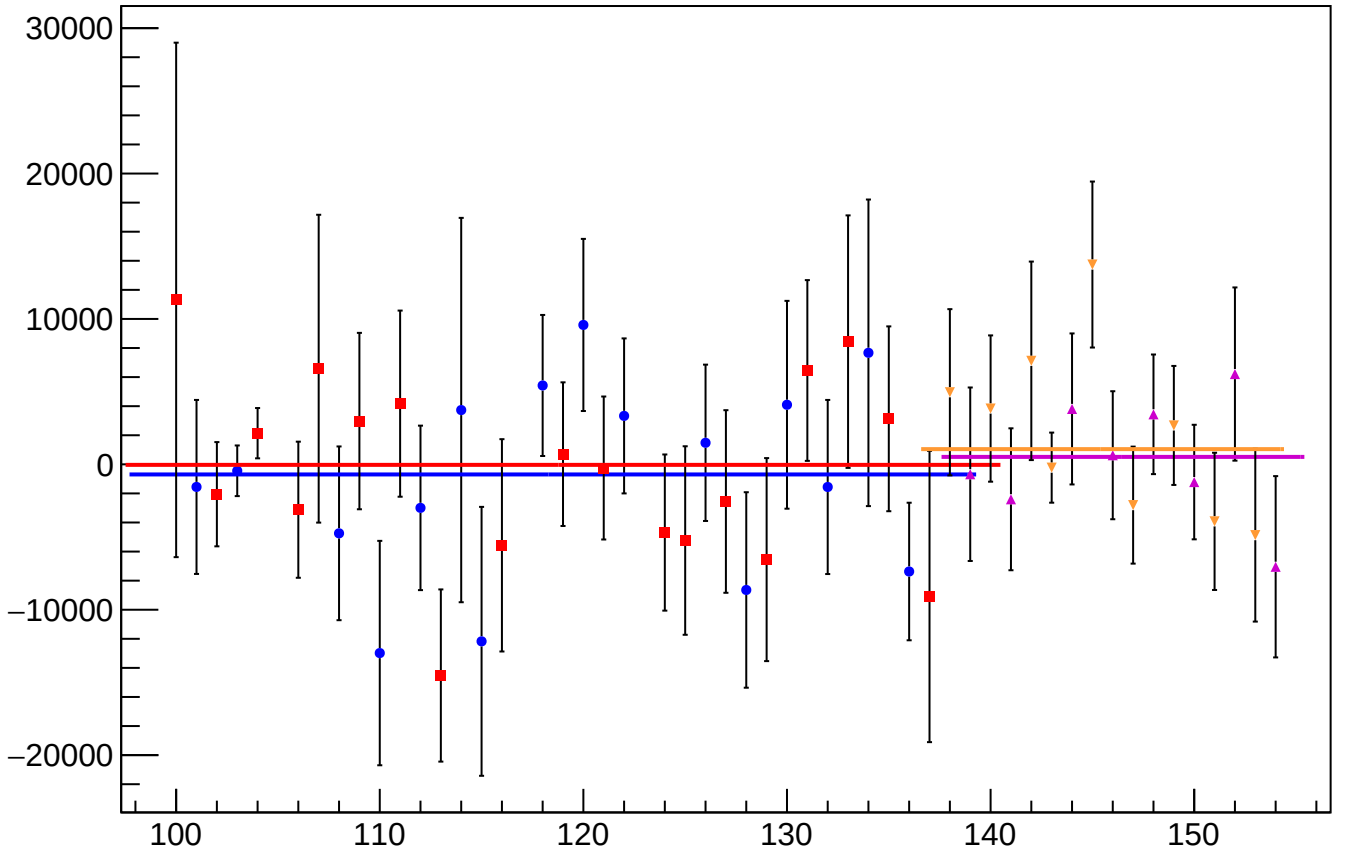
Left: 1325.132+/-0.251 χ^2/NDF: 157354.1/16

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1306.987+/-0.247 χ^2/NDF:530913.5/23

Out: 1330.415+/-0.251 χ^2/NDF:465972.1/27

All: 1318.533+/-0.176 χ^2/NDF: 1001311.8/51



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: 512.076+/-1724.647 χ^2/NDF:3.9/7

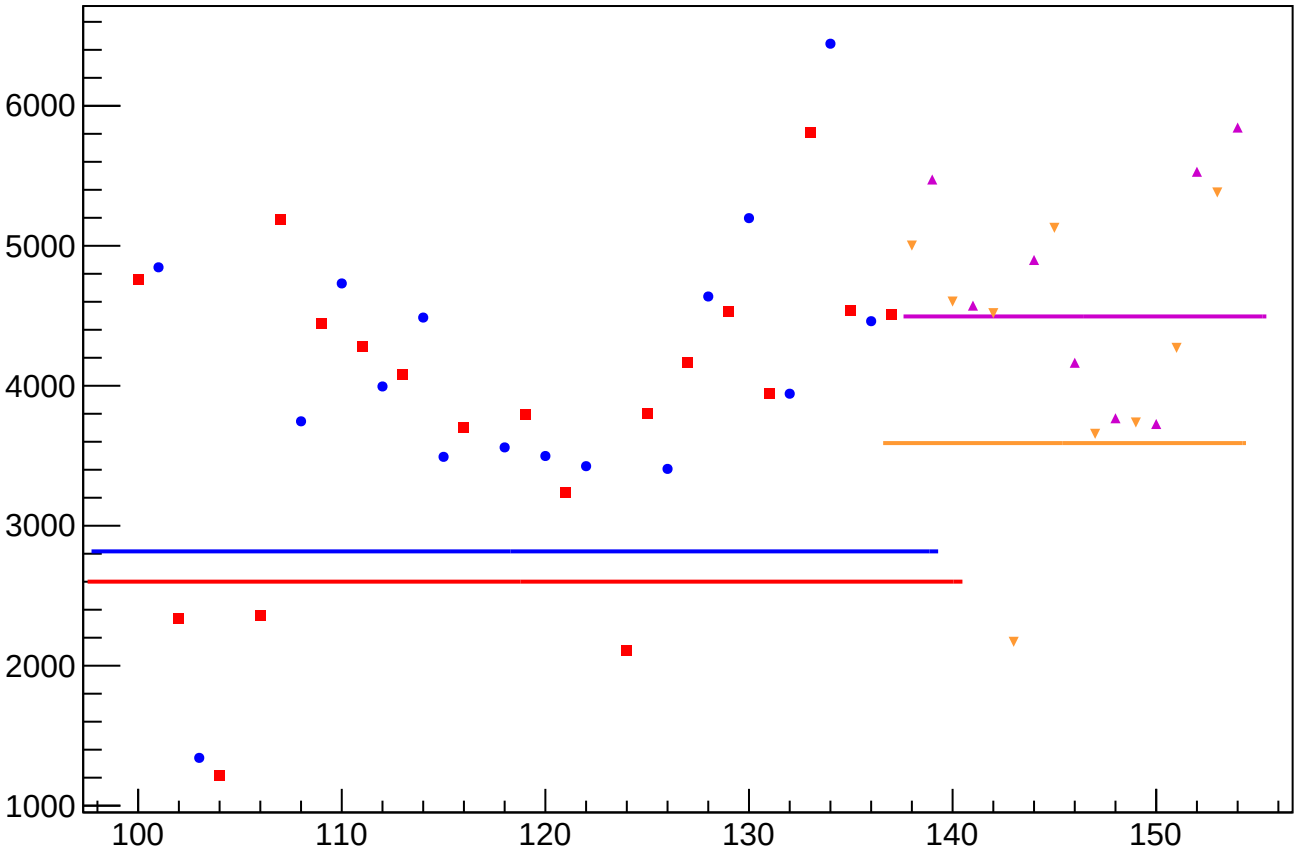
Left: 828.514+/-1100.822 χ^2/NDF: 13.9/16

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -309.201+/-975.235 χ^2/NDF:18.9/23

Out: 365.354+/-870.996 χ^2/NDF:26.3/27

All: 66.041+/-649.626 χ^2/NDF: 45.4/51



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: 4495.287+/-1.220 χ^2/NDF:370203.1/7

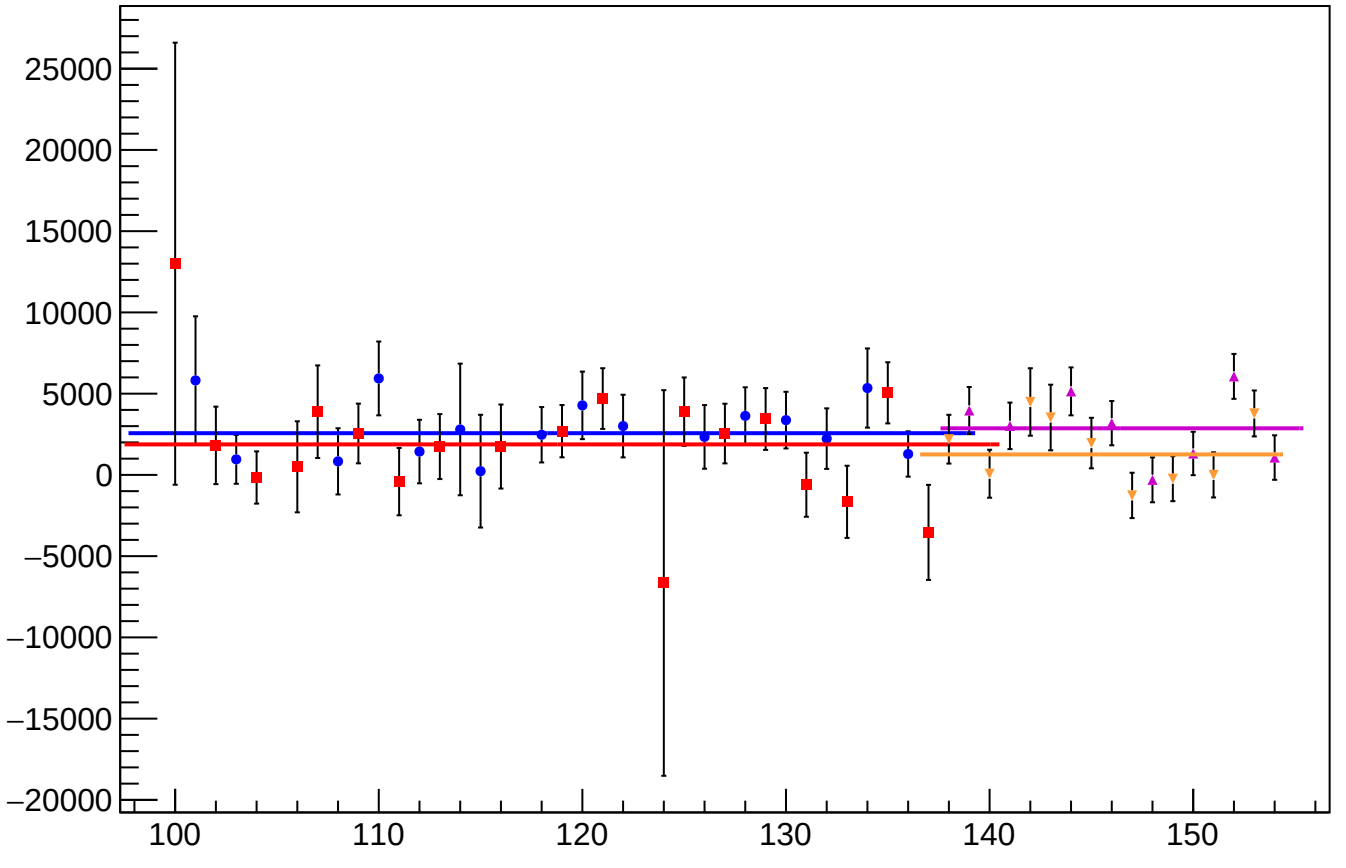
Left: 3959.103+/-0.778 χ^2/NDF: 2001113.3/16

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3353.494+/-0.690 χ^2/NDF:4666434.9/23

Out: 2967.774+/-0.616 χ^2/NDF:4988351.1/27

All: 3138.925+/-0.459 χ^2/NDF: 9828826.1/51



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: 2866.859+/-493.529 χ^2/NDF:16.7/7

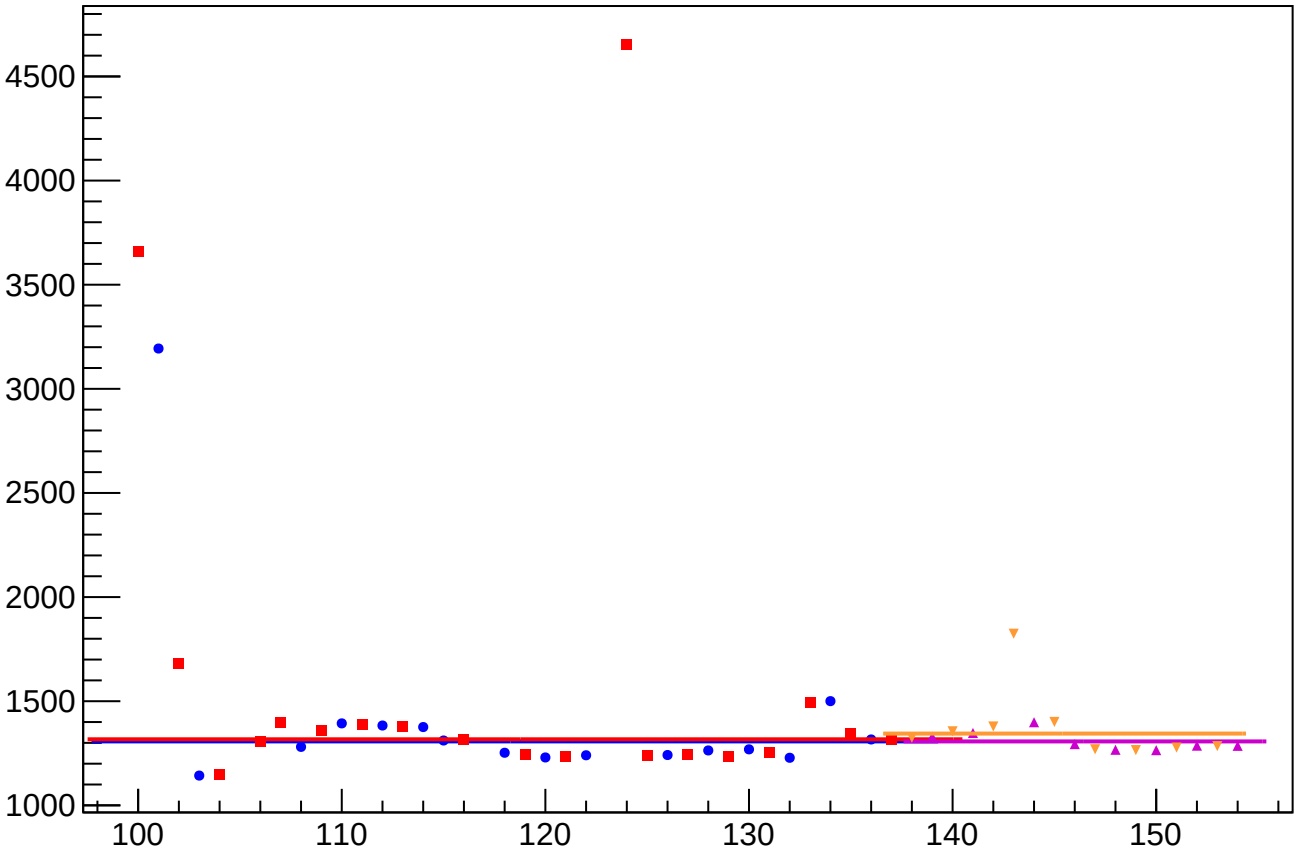
Left: 2089.771+/-354.558 χ^2/NDF: 35.2/16

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2717.575+/-349.625 χ^2/NDF:25.9/23

Out: 1578.545+/-354.998 χ^2/NDF:33.7/27

All: 2156.746+/-249.100 χ^2/NDF: 64.8/51



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: 1306.906+/-0.349 χ^2/NDF:14662.9/7

Left: 1325.132+/-0.251 χ^2/NDF: 157354.1/16

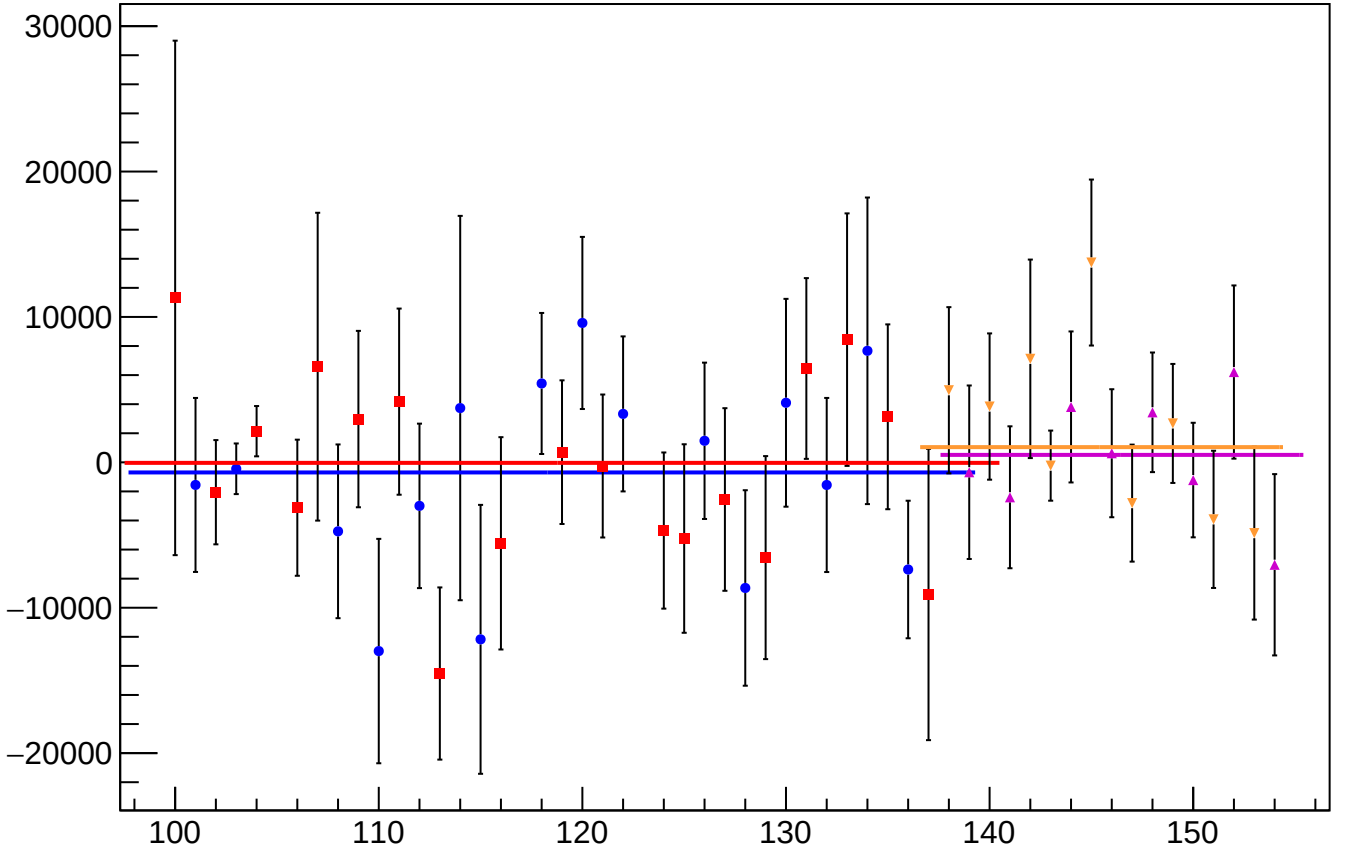
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1306.987+/-0.247 χ^2/NDF:530913.5/23

Out: 1330.415+/-0.251 χ^2/NDF:465972.1/27

All: 1318.533+/-0.176 χ^2/NDF: 1001311.8/51

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: 512.076+/-1724.647 χ^2/NDF:3.9/7

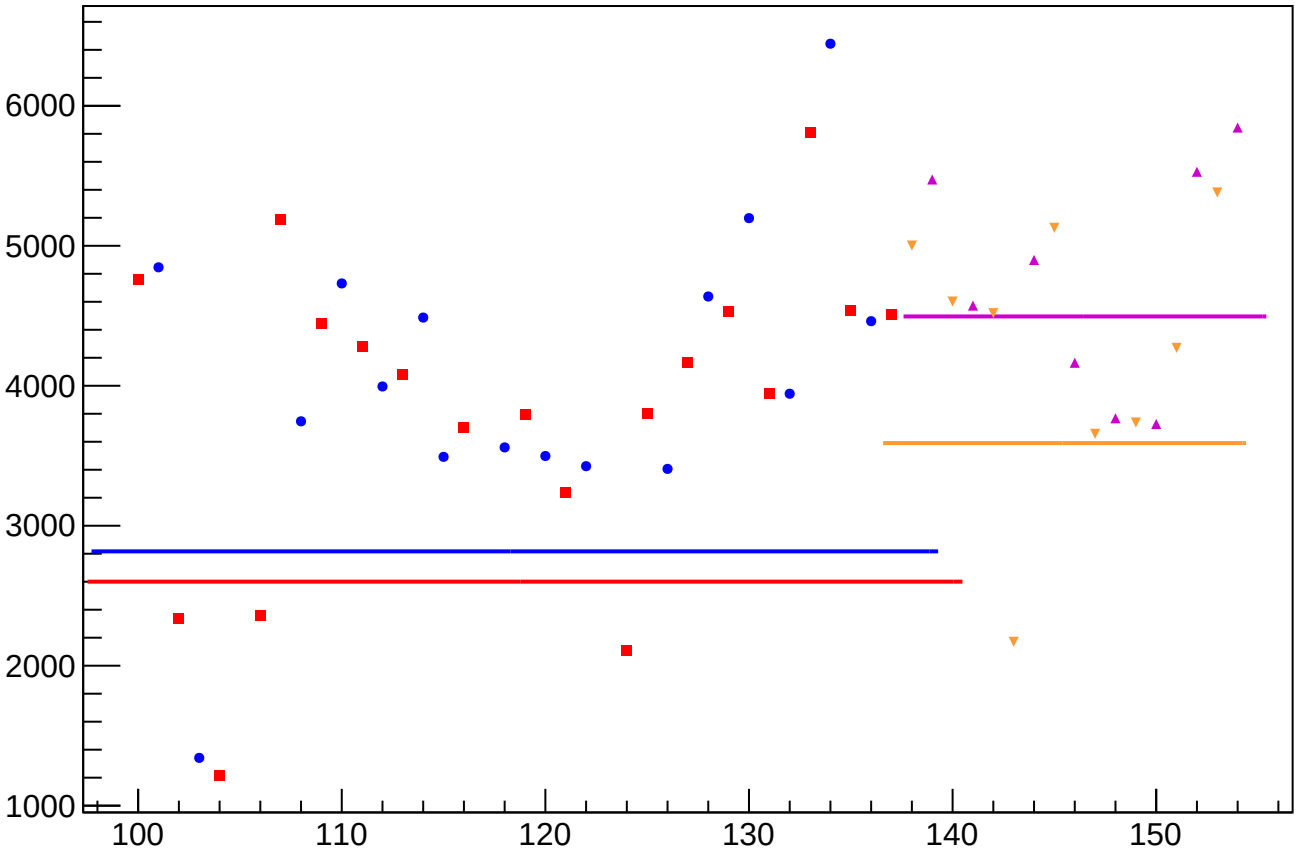
Left: 828.514+/-1100.822 χ^2/NDF: 13.9/16

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -309.201+/-975.235 χ^2/NDF:18.9/23

Out: 365.354+/-870.996 χ^2/NDF:26.3/27

All: 66.041+/-649.626 χ^2/NDF: 45.4/51



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: 4495.287+/-1.220 χ^2/NDF:370203.1/7

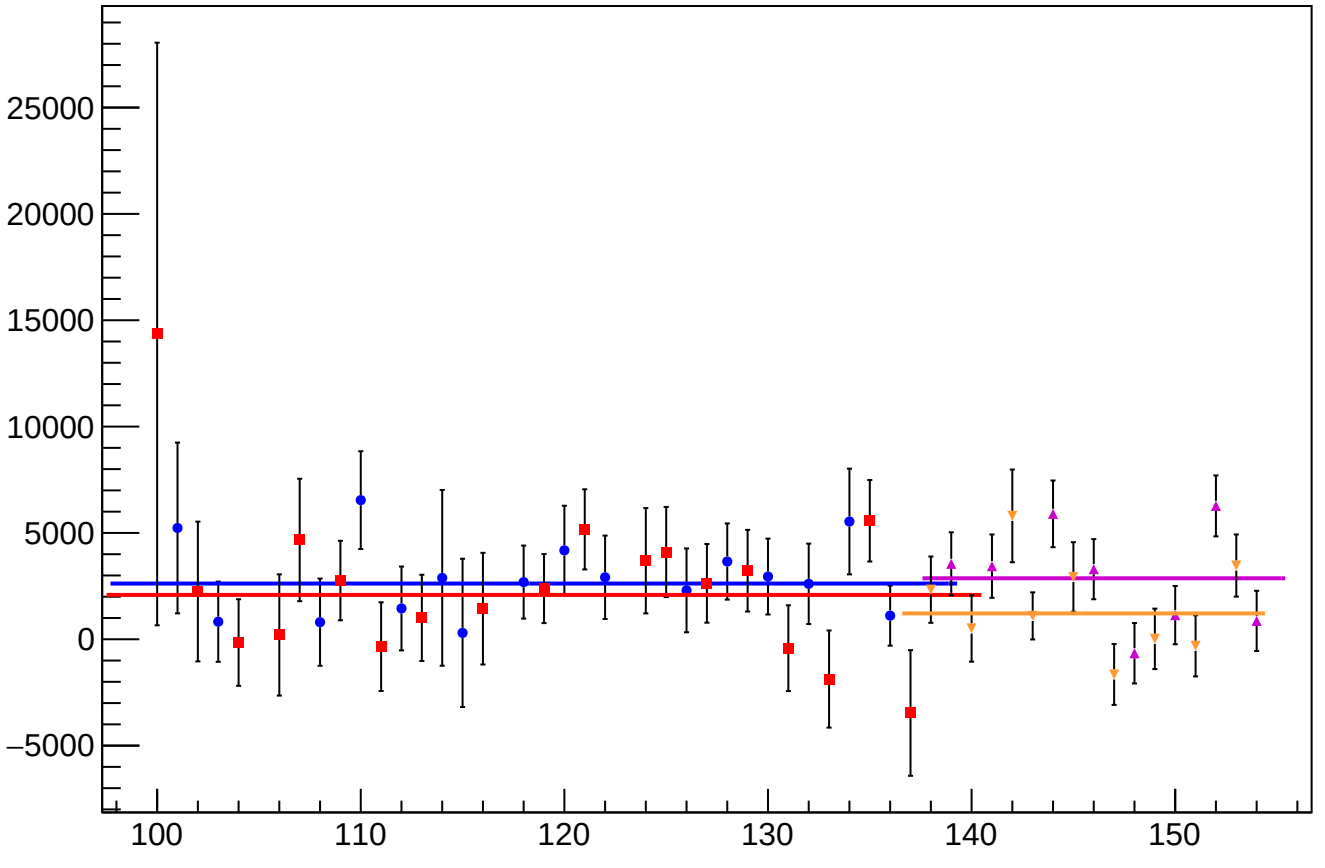
Left: 3959.103+/-0.778 χ^2/NDF: 2001113.3/16

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3353.494+/-0.690 χ^2/NDF:4666434.9/23

Out: 2967.774+/-0.616 χ^2/NDF:4988351.1/27

All: 3138.925+/-0.459 χ^2/NDF: 9828826.1/51



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: 2867.702+/-511.119 χ^2/NDF:19.6/7

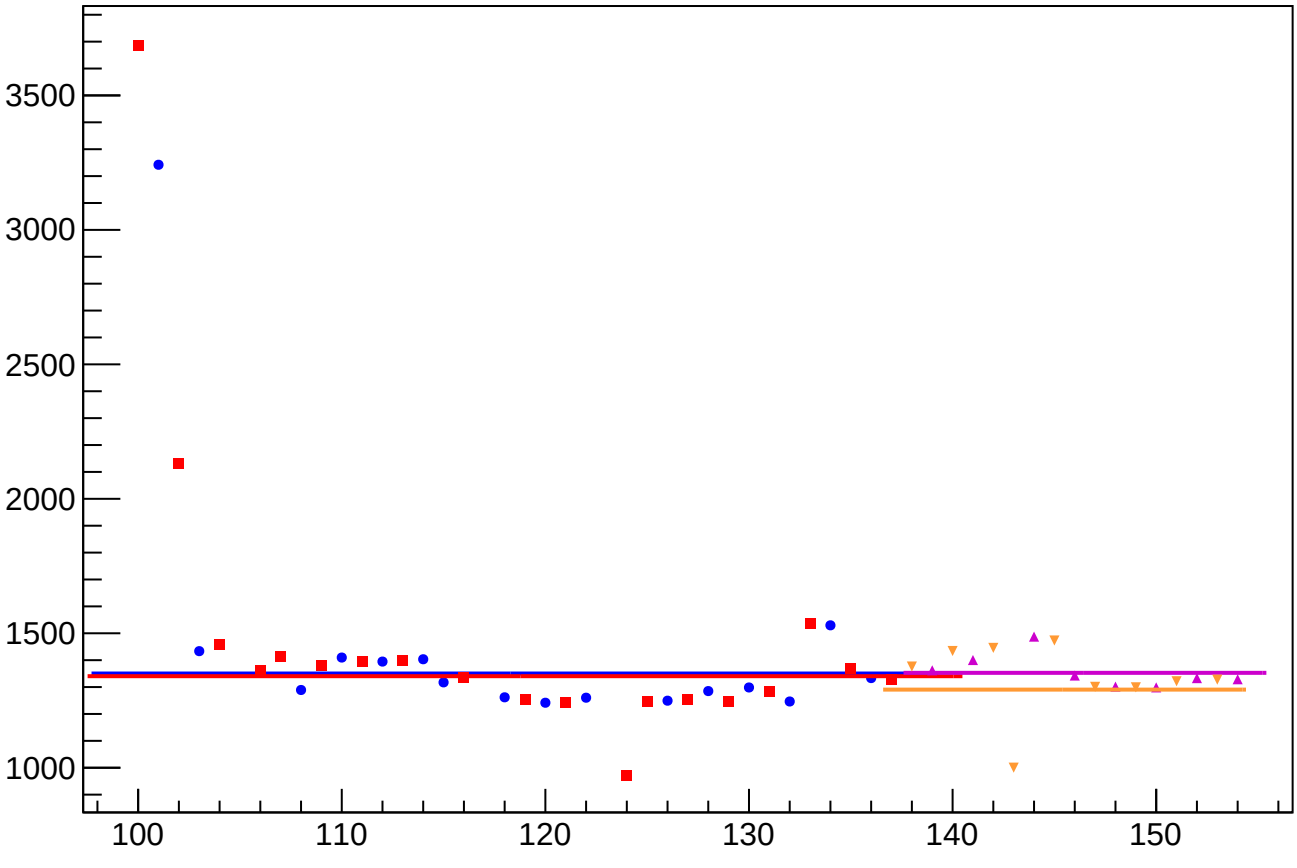
Left: 2007.802+/-353.860 χ^2/NDF: 39.5/16

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2744.213+/-361.554 χ^2/NDF:29.0/23

Out: 1638.271+/-351.767 χ^2/NDF:37.0/27

All: 2176.072+/-252.126 χ^2/NDF: 70.8/51



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: 1352.885+/-0.361 χ^2/NDF:23637.0/7

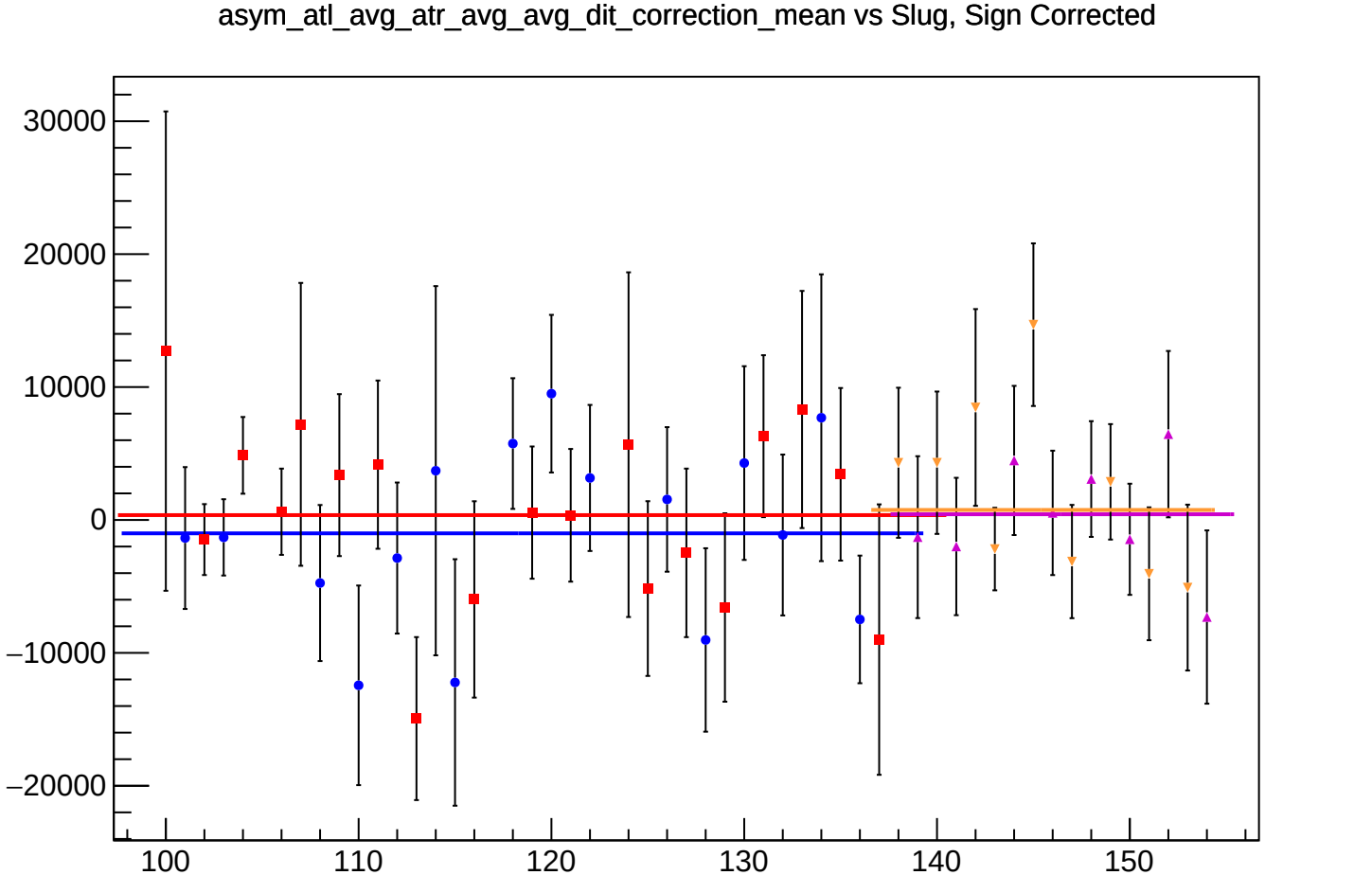
Left: 1320.422+/-0.250 χ^2/NDF: 236996.4/16

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

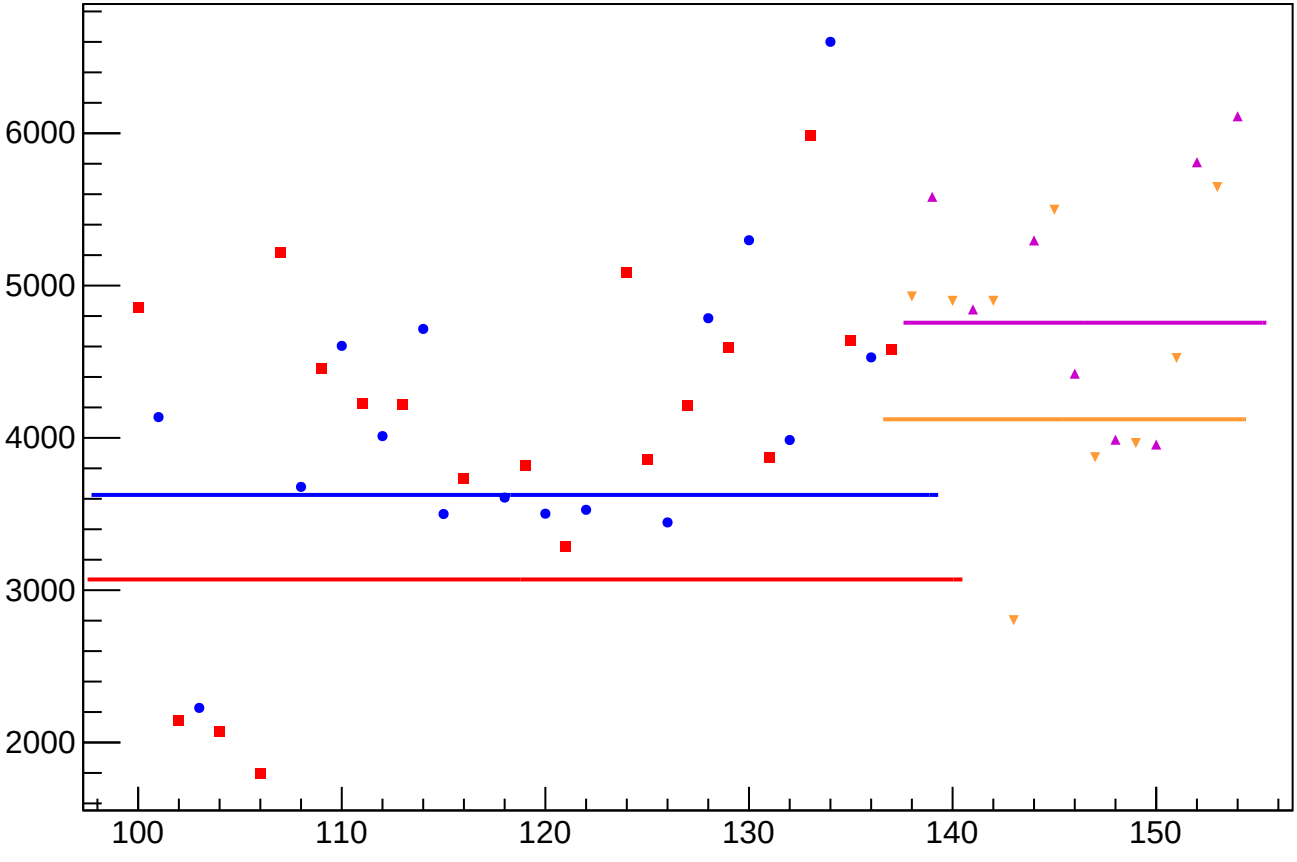
In: 1351.628+/-0.256 χ^2/NDF:517712.3/23

Out: 1314.773+/-0.249 χ^2/NDF:480103.2/27

All: 1332.689+/-0.178 χ^2/NDF: 1008494.6/51


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: 429.299+/-1823.221 χ²/NDF:3.7/7
Left: 611.598+/-1204.335 χ²/NDF: 14.6/16
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -471.957+/-1112.623 χ²/NDF:18.7/23
Out: 504.166+/-962.168 χ²/NDF:27.1/27
All: 86.518+/-727.781 χ²/NDF: 46.3/51

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4122.082+/-1.134 χ^2/NDF:708617.7/8

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4756.197+/-1.289 χ^2/NDF:344715.3/7

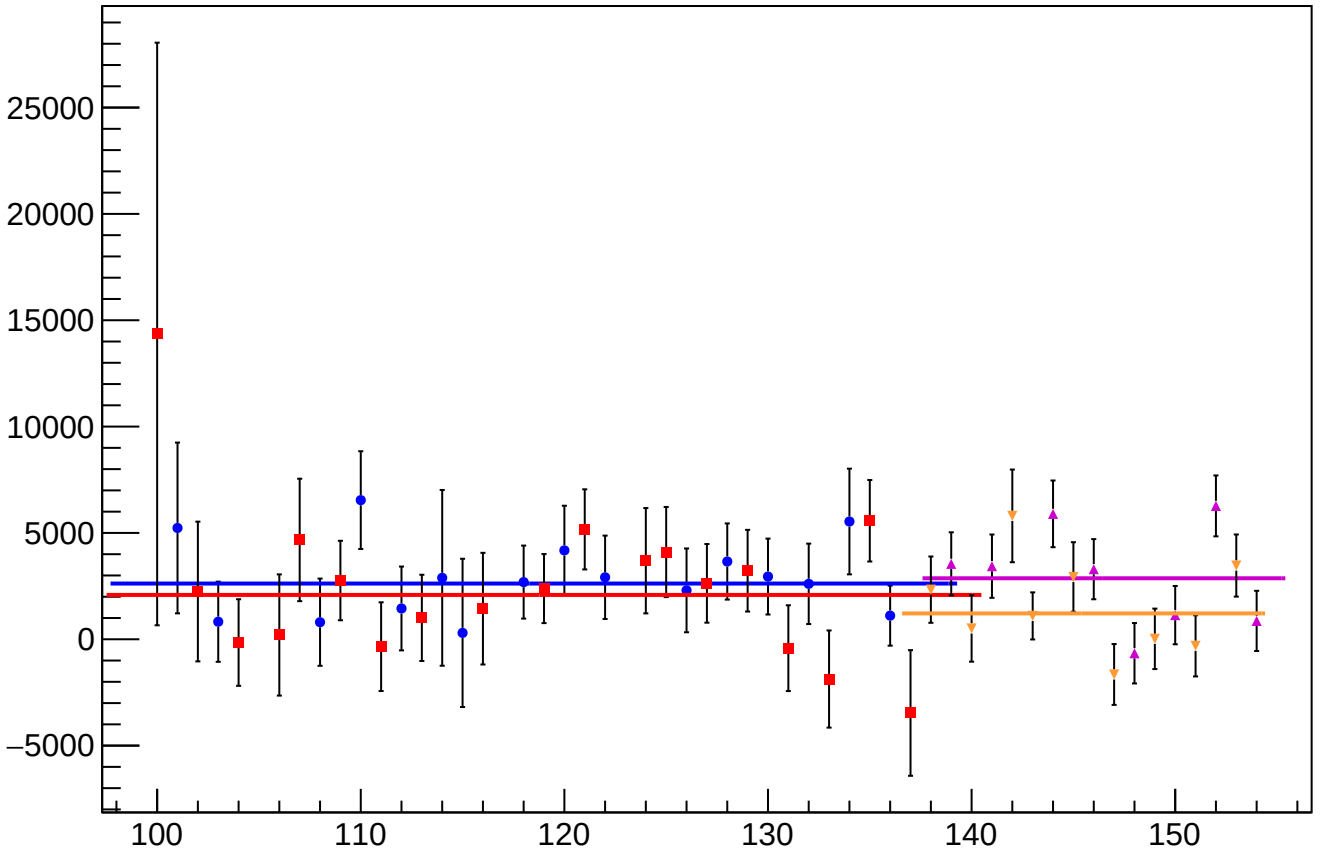
Left: 4398.766+/-0.852 χ^2/NDF: 1189700.7/16

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4046.587+/-0.787 χ^2/NDF:1772360.6/23

Out: 3448.796+/-0.680 χ^2/NDF:3097611.0/27

All: 3704.569+/-0.515 χ^2/NDF: 5200289.0/51



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: 2867.700+/-511.119 χ^2/NDF:19.6/7

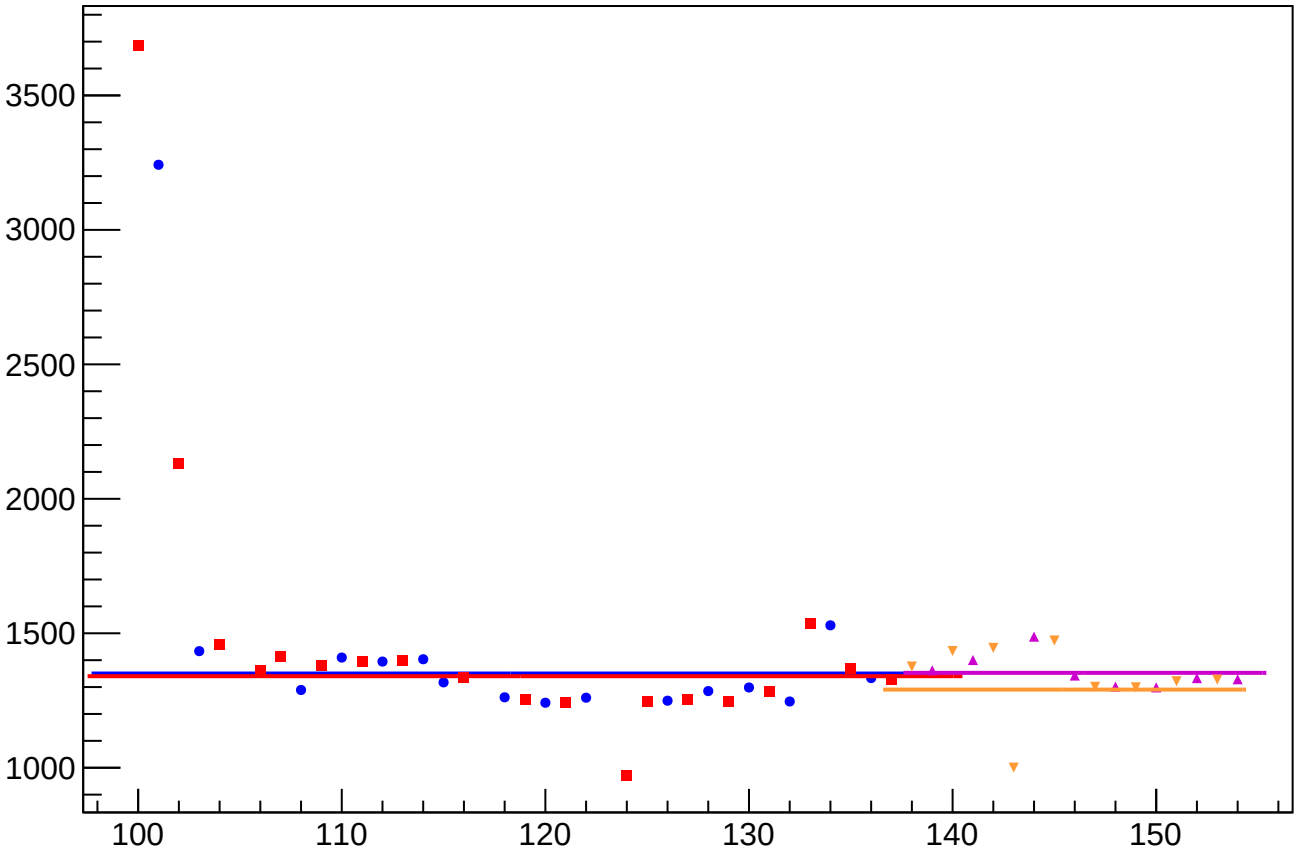
Left: 2007.801+/-353.860 χ^2/NDF: 39.5/16

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2744.212+/-361.554 χ^2/NDF:29.0/23

Out: 1638.272+/-351.768 χ^2/NDF:37.0/27

All: 2176.072+/-252.126 χ^2/NDF: 70.8/51



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: 1352.886+/-0.361 χ^2/NDF:23637.3/7

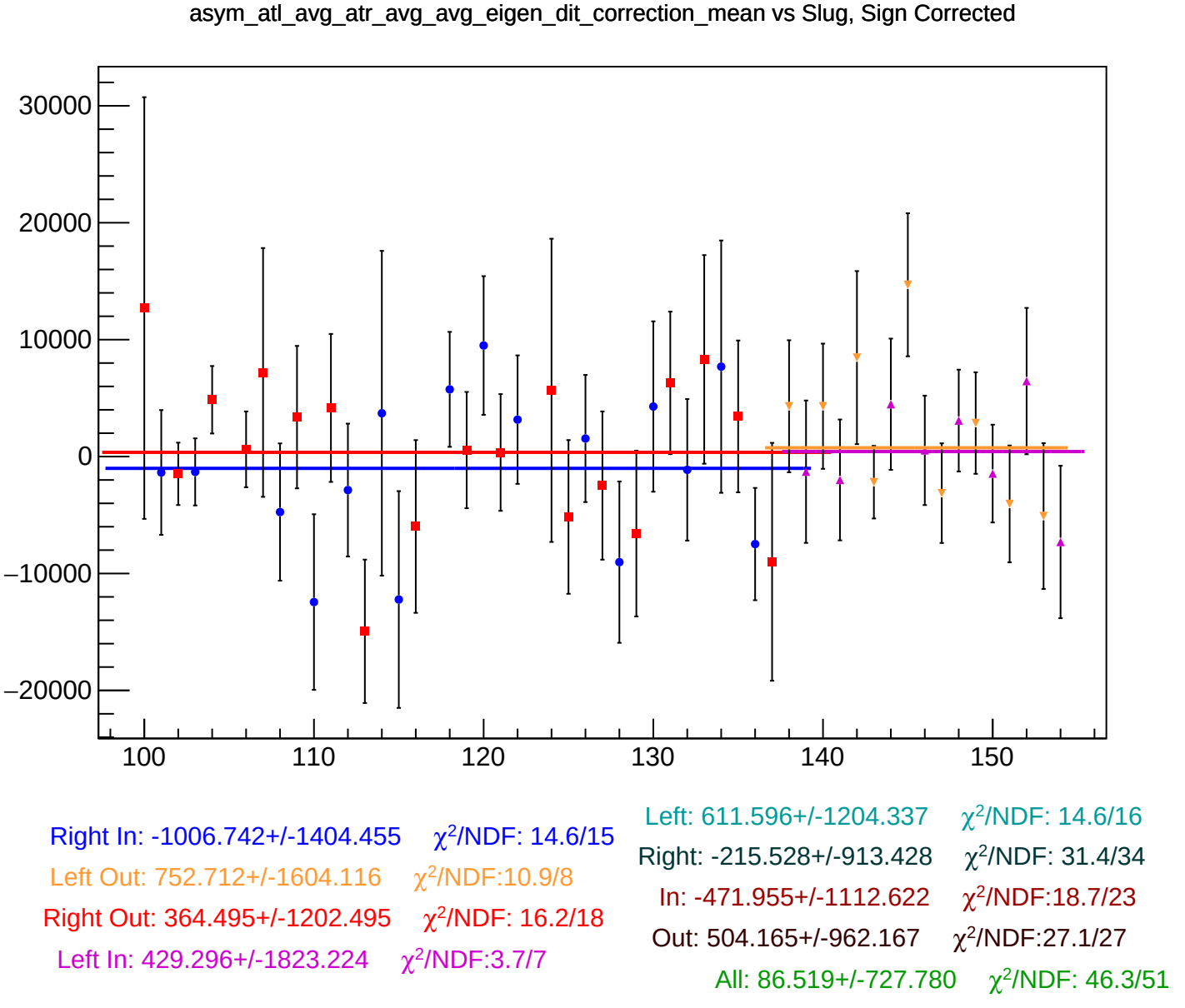
Left: 1320.423+/-0.250 χ^2/NDF: 236996.9/16

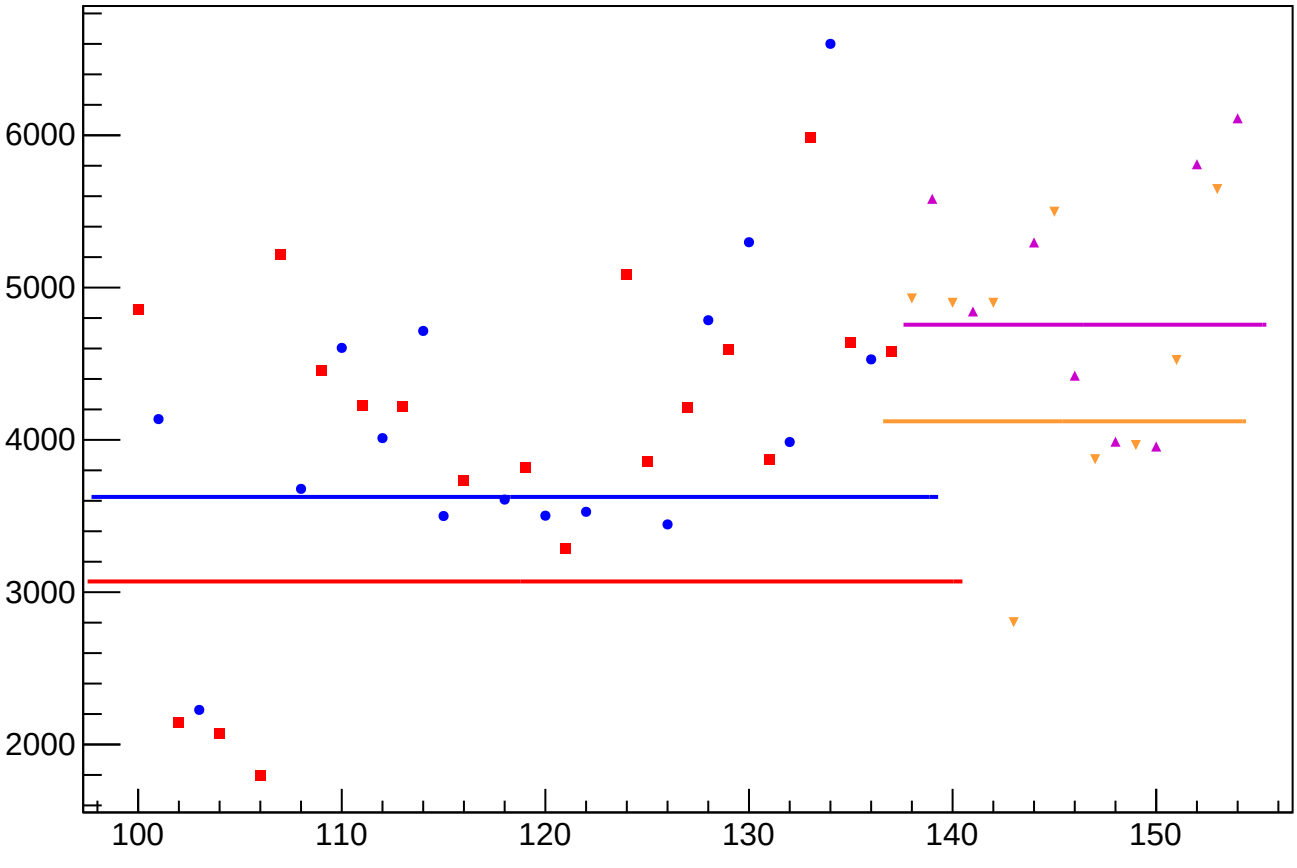
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1351.629+/-0.256 χ^2/NDF:517712.7/23

Out: 1314.773+/-0.249 χ^2/NDF:480101.8/27

All: 1332.690+/-0.178 χ^2/NDF: 1008493.6/51


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: 752.712+/-1604.116 χ²/NDF:10.9/8
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 429.296+/-1823.224 χ²/NDF:3.7/7
Left: 611.596+/-1204.337 χ²/NDF: 14.6/16
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -471.955+/-1112.622 χ²/NDF:18.7/23
Out: 504.165+/-962.167 χ²/NDF:27.1/27
All: 86.519+/-727.780 χ²/NDF: 46.3/51



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: 4756.203+/-1.289 χ^2/NDF:344715.8/7

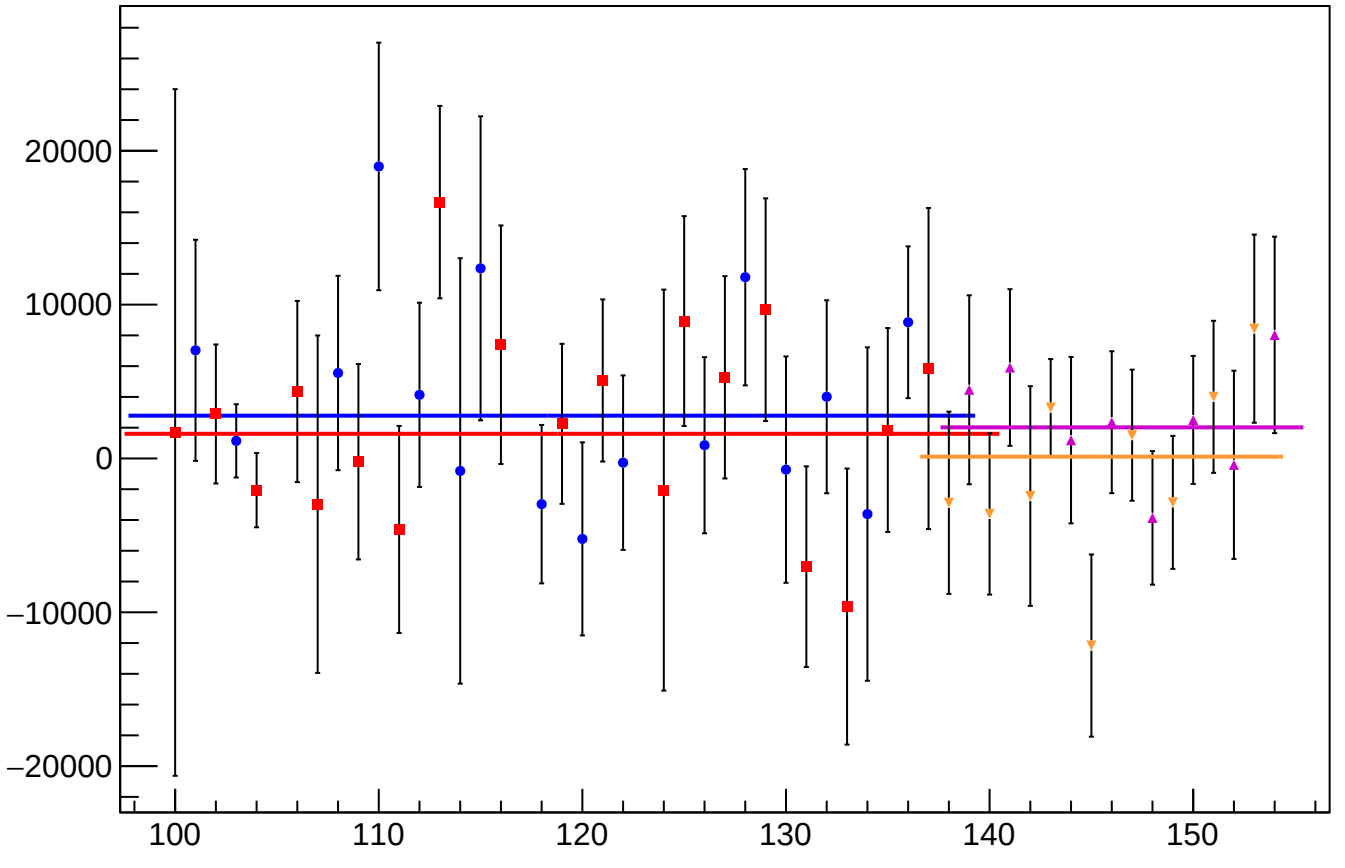
Left: 4398.772+/-0.852 χ^2/NDF: 1189700.7/16

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4046.581+/-0.787 χ^2/NDF:1772376.2/23

Out: 3448.791+/-0.680 χ^2/NDF:3097628.9/27

All: 3704.563+/-0.515 χ^2/NDF: 5200323.1/51



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: 2021.742+/-1800.964 χ^2/NDF:3.7/7

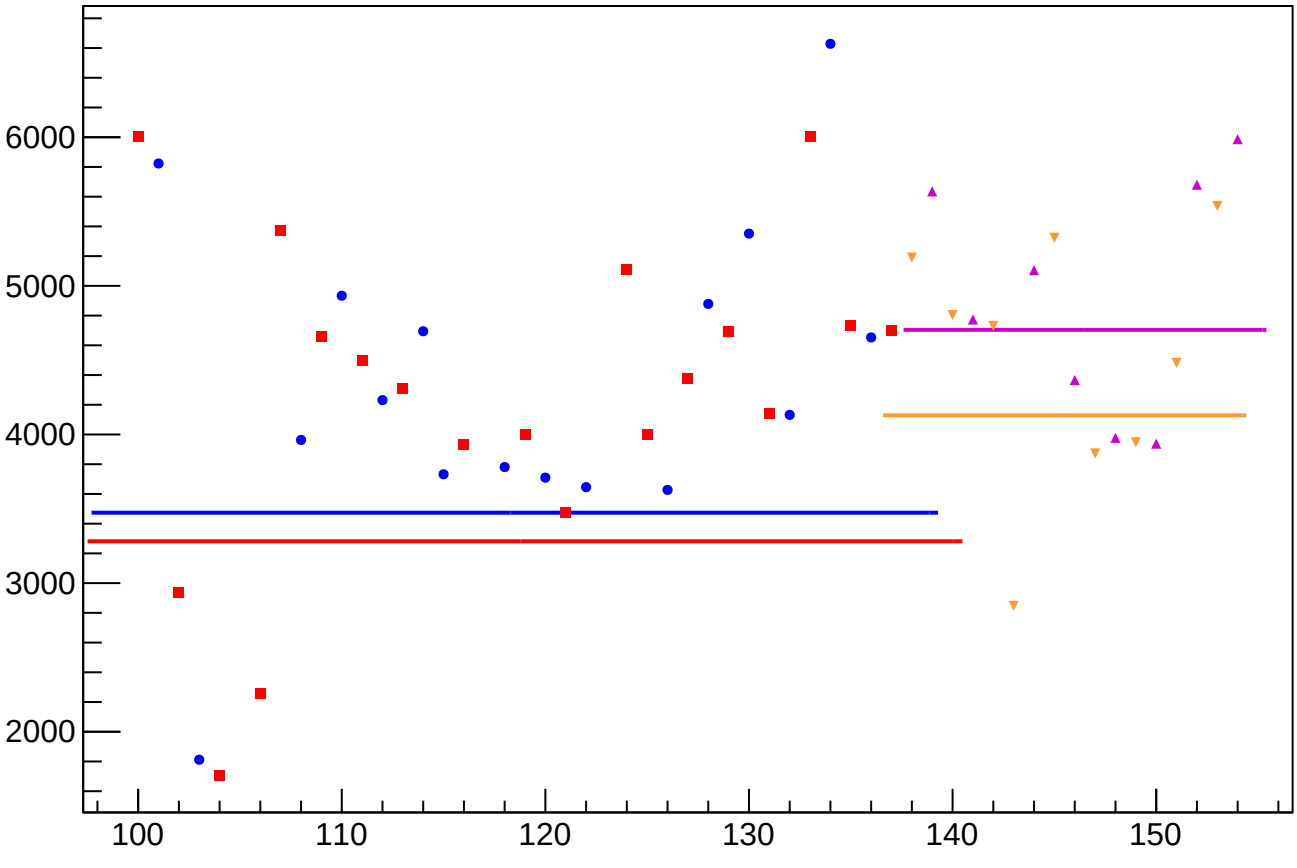
Left: 957.083+/-1196.922 χ^2/NDF: 13.6/16

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2497.627+/-1100.097 χ^2/NDF:17.0/23

Out: 991.718+/-1026.458 χ^2/NDF:26.6/27

All: 1692.588+/-750.499 χ^2/NDF: 44.5/51



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: 4704.223+/-1.273 χ^2/NDF:323519.1/7

Left: 4383.074+/-0.846 χ^2/NDF: 1087519.0/16

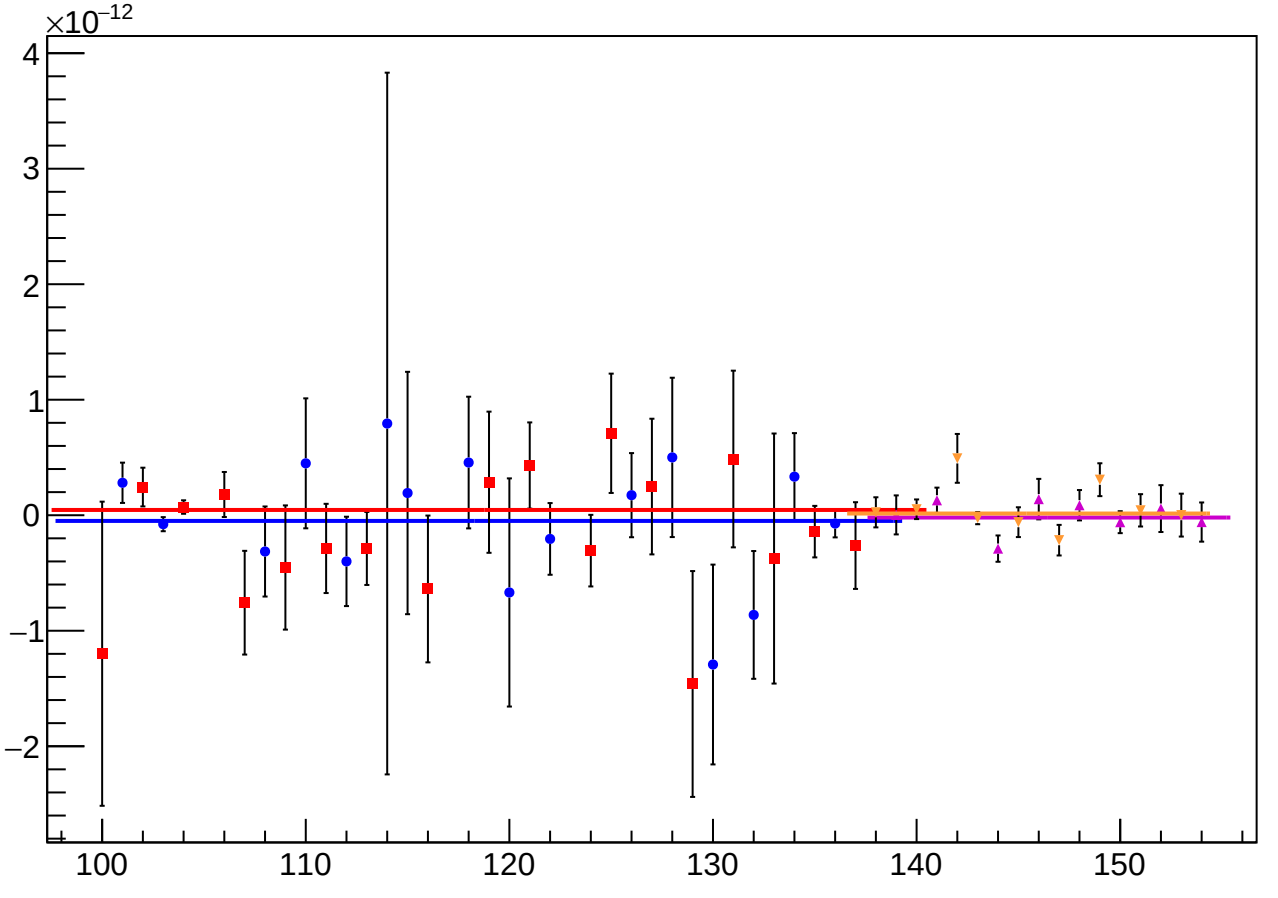
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3932.956+/-0.778 χ^2/NDF:2752603.3/23

Out: 3623.844+/-0.720 χ^2/NDF:2859279.5/27

All: 3766.455+/-0.528 χ^2/NDF: 5696938.4/51

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:9.3/7

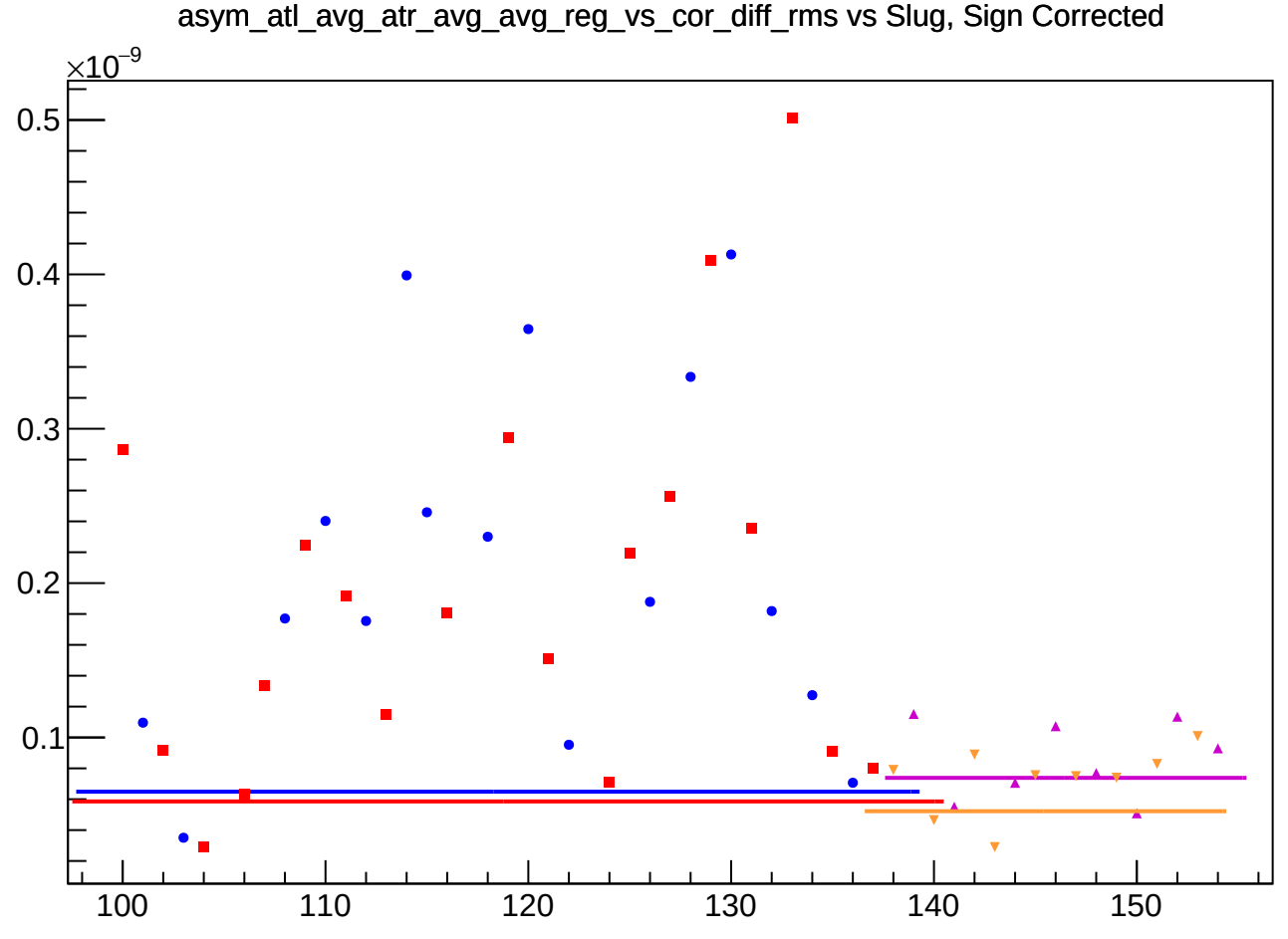
Left: 0.000+/-0.000 χ^2/NDF: 23.2/16

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:23.3/23

Out: 0.000+/-0.000 χ^2/NDF:32.3/27

All: 0.000+/-0.000 χ^2/NDF: 57.4/51



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:472678.4/7

Left: 0.000+/-0.000 χ^2/NDF: 1691753.1/16

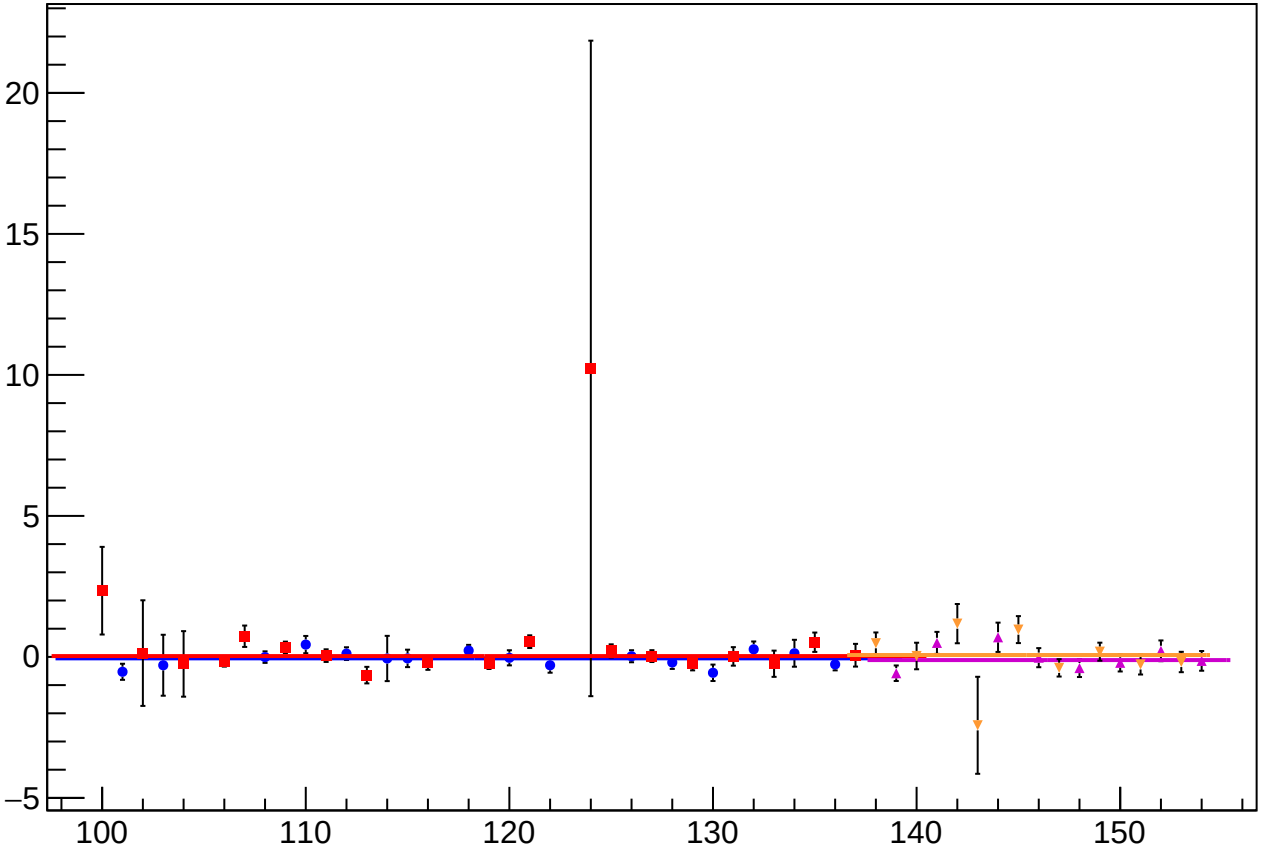
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3100891.3/23

Out: 0.000+/-0.000 χ^2/NDF:3823282.2/27

All: 0.000+/-0.000 χ^2/NDF: 7160131.7/51

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: -0.112+/-0.121 χ^2/NDF:9.5/7

Left: -0.033+/-0.091 χ^2/NDF: 23.5/16

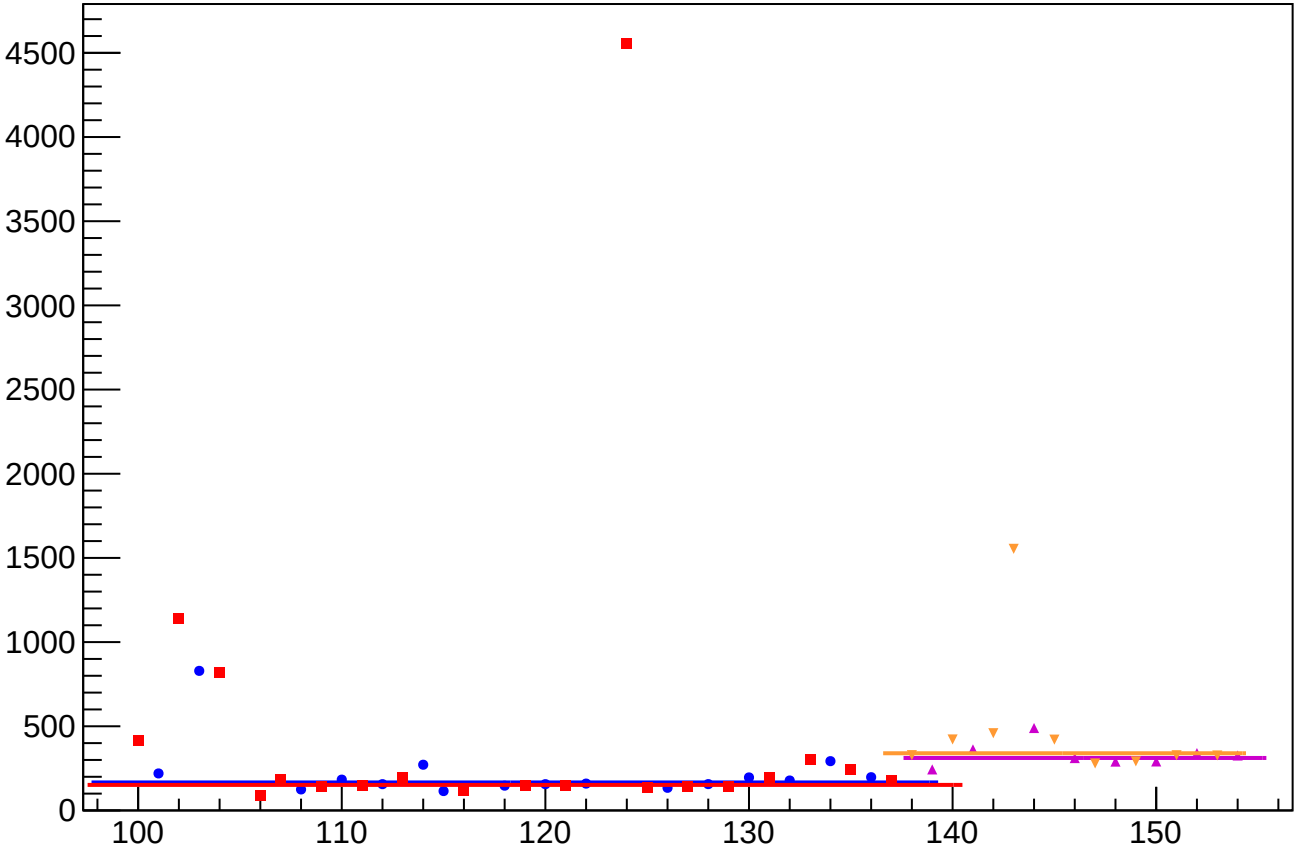
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.058 χ^2/NDF:24.6/23

Out: 0.036+/-0.058 χ^2/NDF:40.7/27

All: -0.014+/-0.041 χ^2/NDF: 66.7/51

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 339.742+/-0.096 χ^2/NDF:1302077.8/8

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 311.748+/-0.086 χ^2/NDF:425104.3/7

Left: 324.105+/-0.064 χ^2/NDF: 1774345.4/16

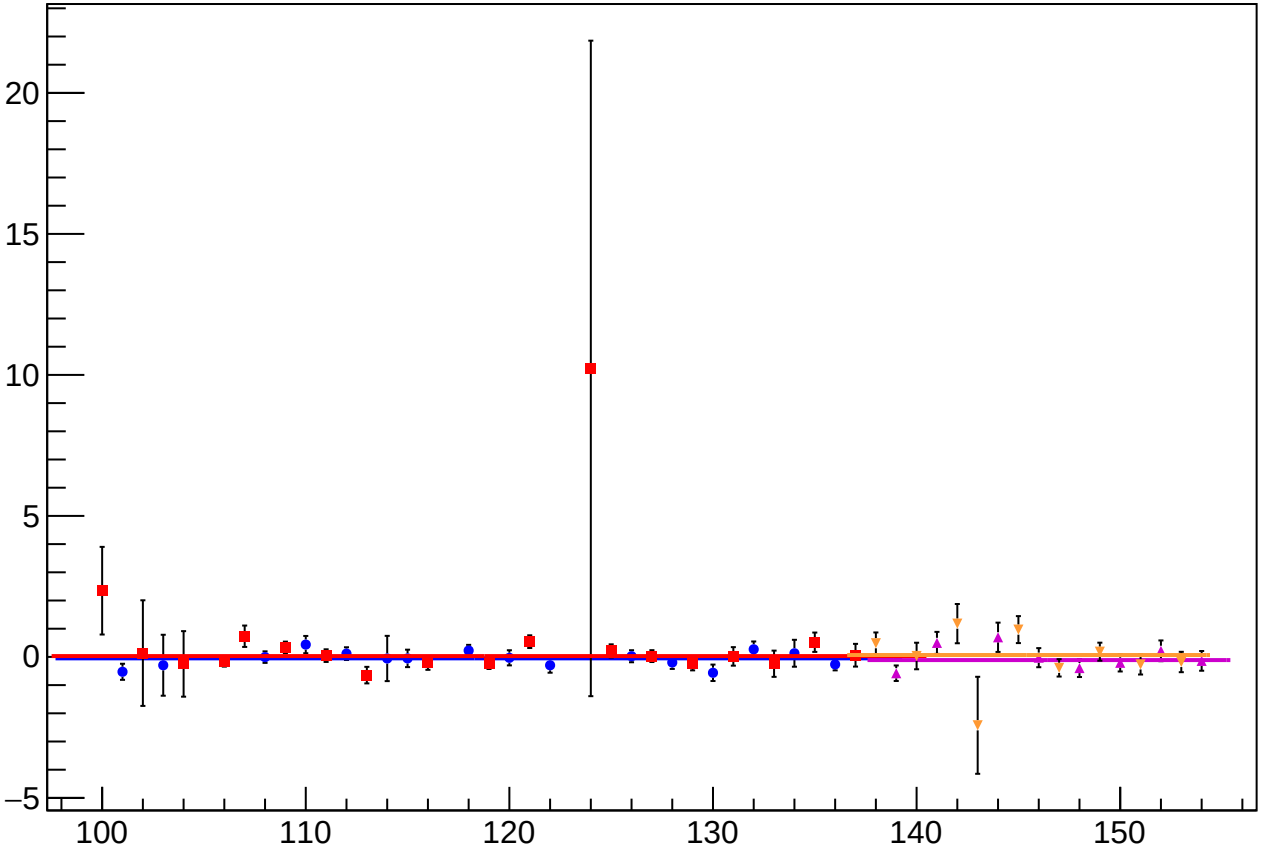
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 200.215+/-0.041 χ^2/NDF:3918721.6/23

Out: 185.786+/-0.041 χ^2/NDF:6735310.7/27

All: 192.938+/-0.029 χ^2/NDF: 10715510.5/51

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: -0.112+/-0.121 χ^2/NDF:9.5/7

Left: -0.033+/-0.091 χ^2/NDF: 23.5/16

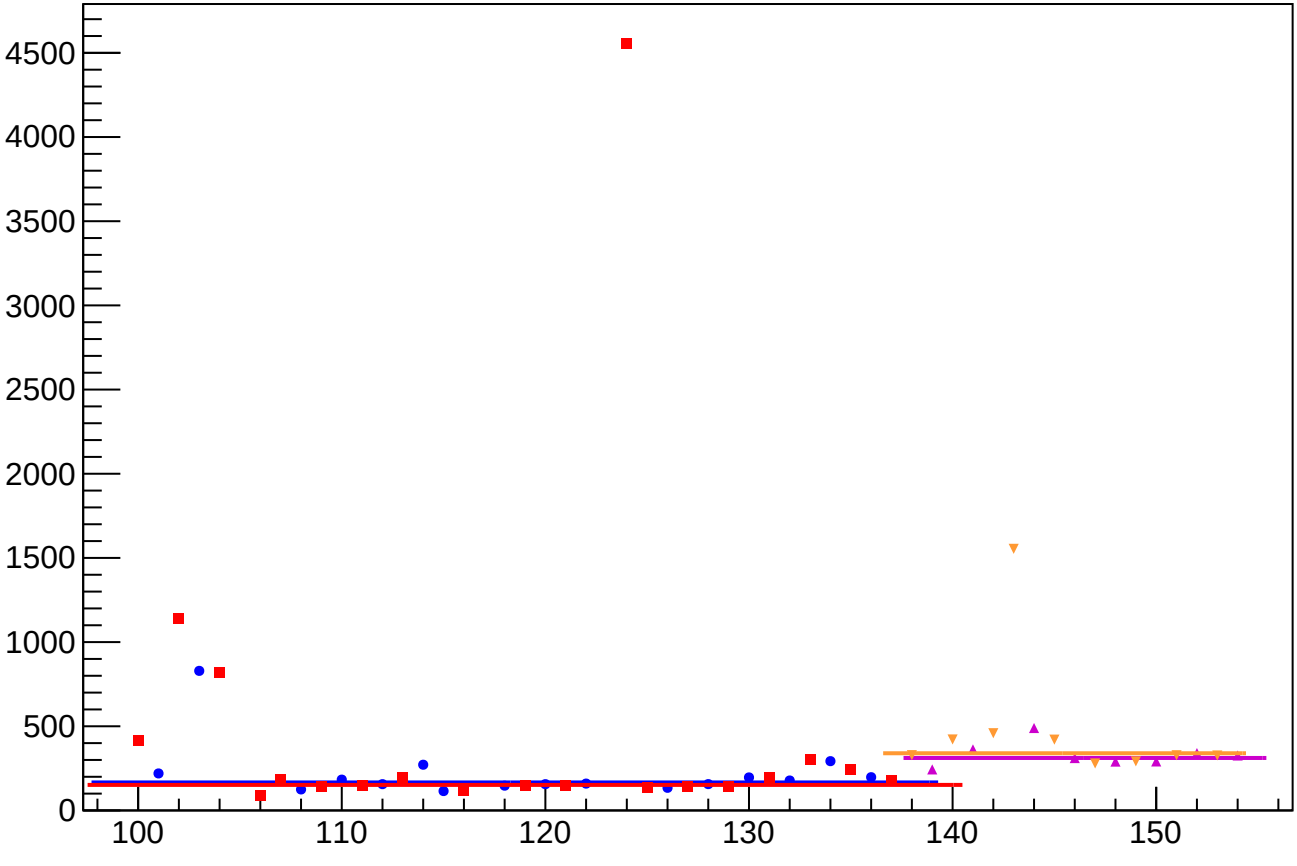
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.058 χ^2/NDF:24.6/23

Out: 0.036+/-0.058 χ^2/NDF:40.7/27

All: -0.014+/-0.041 χ^2/NDF: 66.7/51

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: 311.748+/-0.086 χ^2/NDF:425104.3/7

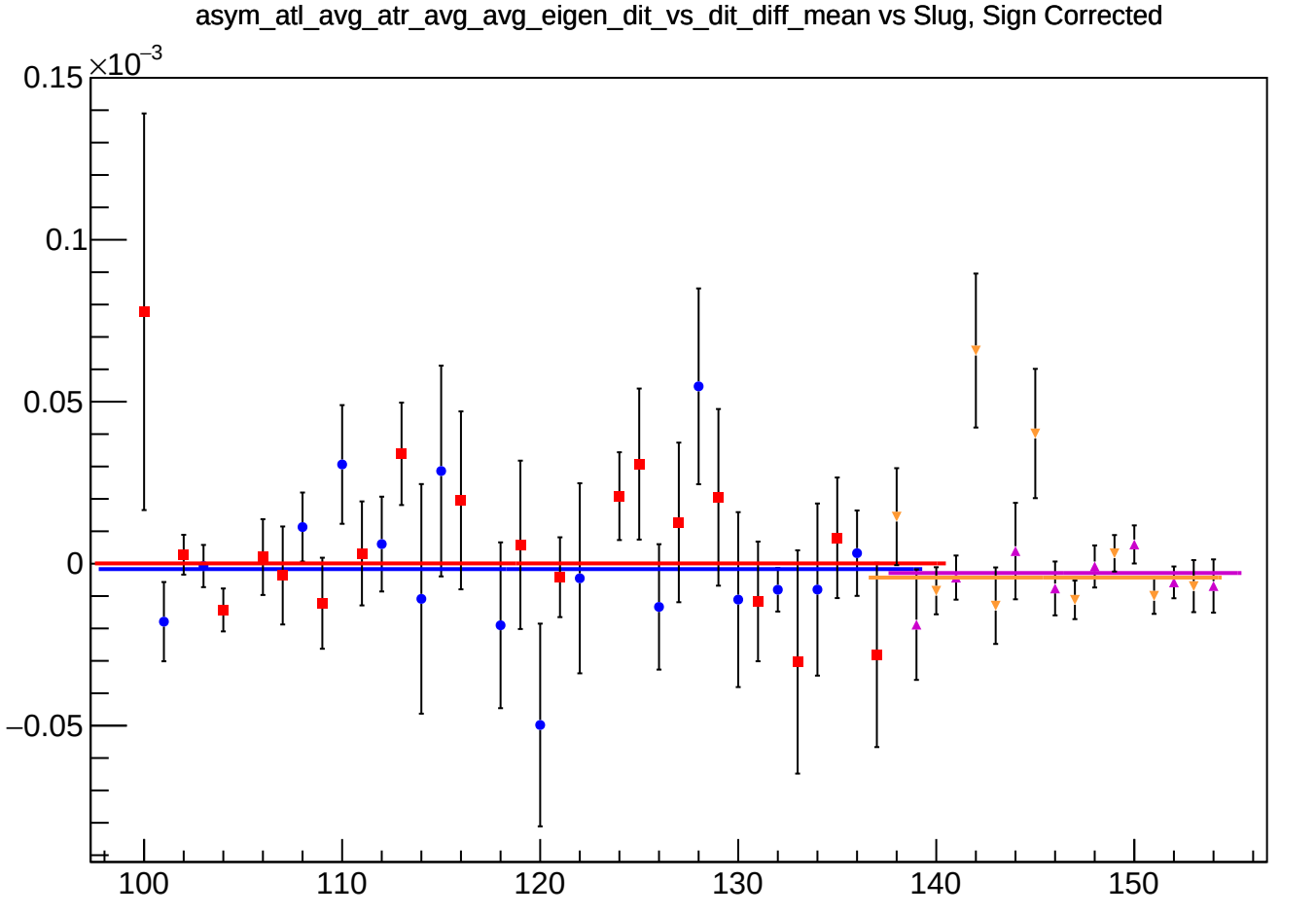
Left: 324.105+/-0.064 χ^2/NDF: 1774345.4/16

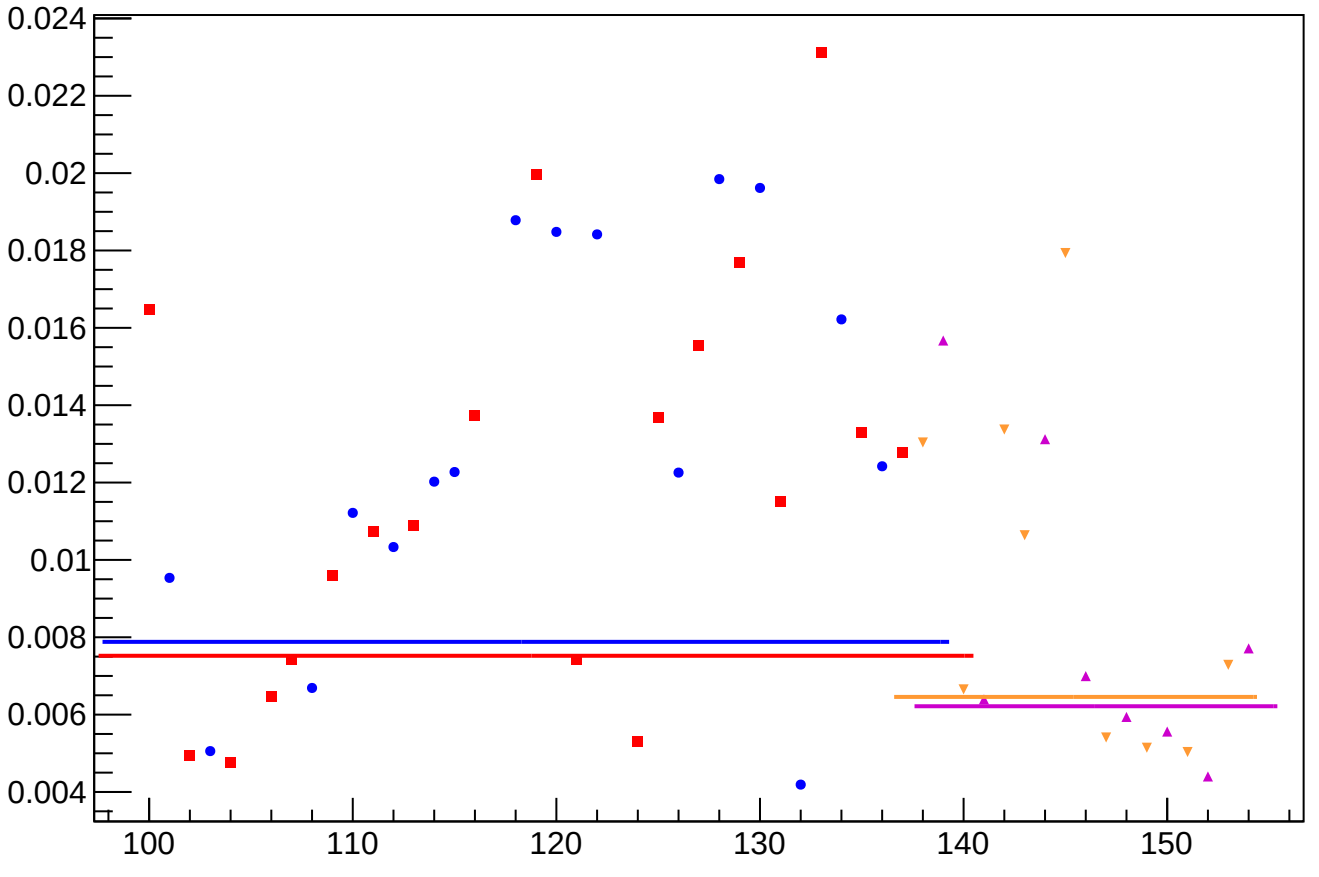
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 200.215+/-0.041 χ^2/NDF:3918721.6/23

Out: 185.786+/-0.041 χ^2/NDF:6735310.7/27

All: 192.938+/-0.029 χ^2/NDF: 10715510.5/51


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.15
0.1
0.05
0
−0.05
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.5/15
Left Out: -0.000+/-0.000 χ²/NDF:20.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 19.9/18
Left In: -0.000+/-0.000 χ²/NDF:4.4/7
Left: -0.000+/-0.000 χ²/NDF: 24.9/16
Right: -0.000+/-0.000 χ²/NDF: 35.5/34
In: -0.000+/-0.000 χ²/NDF:19.9/23
Out: -0.000+/-0.000 χ²/NDF:41.4/27
All: -0.000+/-0.000 χ²/NDF: 61.3/51



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:1432167.7/7

Left: 0.006+/-0.000 χ^2/NDF: 3232546.9/16

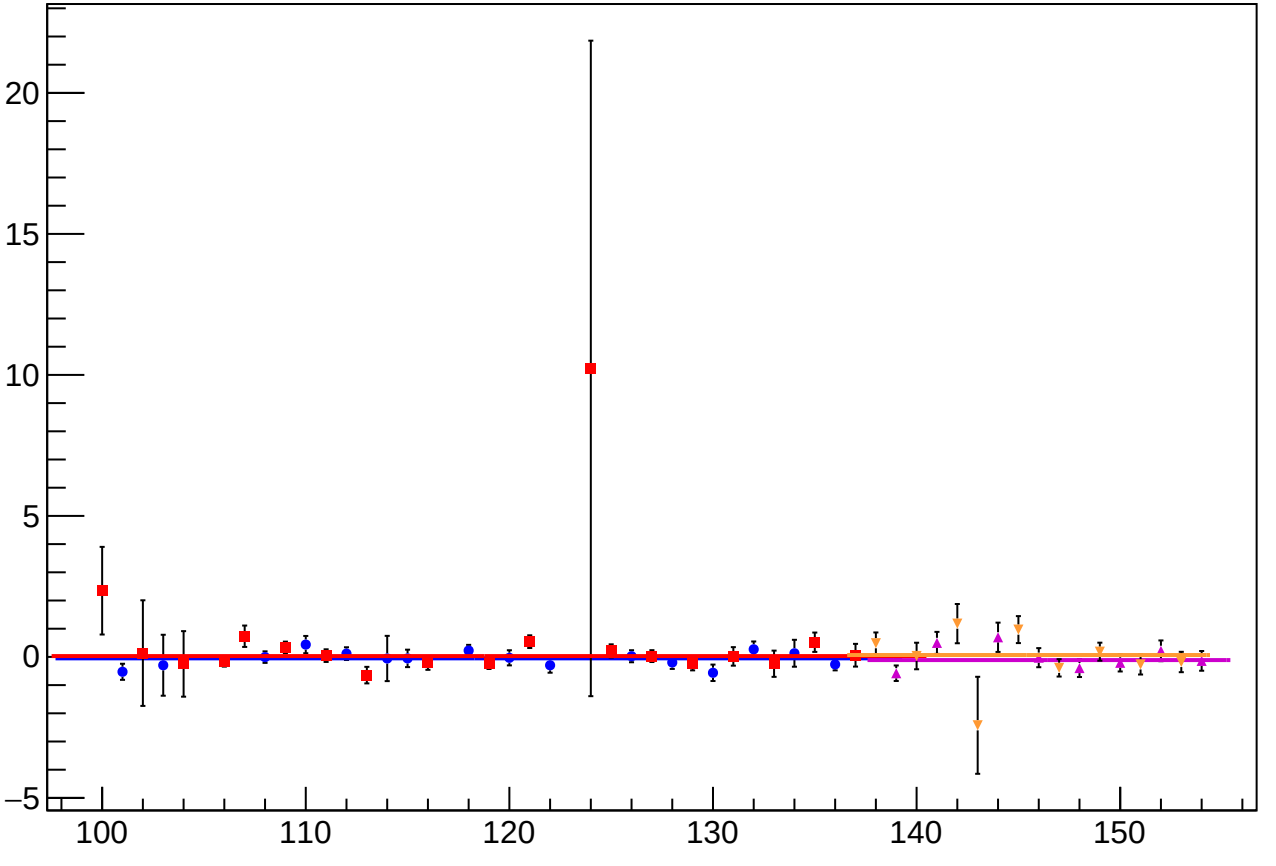
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:5040122.5/23

Out: 0.007+/-0.000 χ^2/NDF:4901289.5/27

All: 0.007+/-0.000 χ^2/NDF: 9943078.3/51

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: -0.112+/-0.121 χ^2/NDF:9.5/7

Left: -0.033+/-0.091 χ^2/NDF: 23.5/16

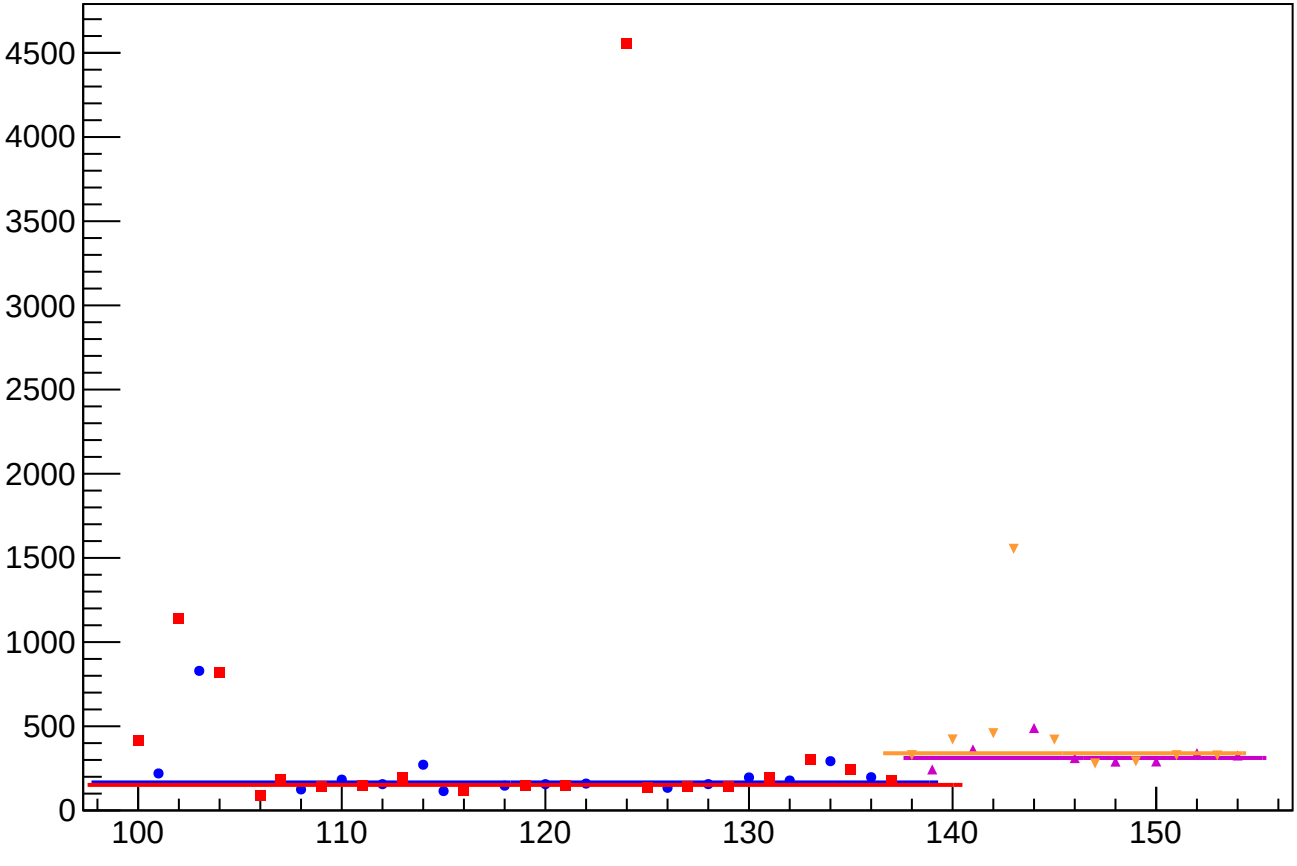
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.058 χ^2/NDF:24.6/23

Out: 0.036+/-0.058 χ^2/NDF:40.7/27

All: -0.014+/-0.041 χ^2/NDF: 66.7/51

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: 311.753+/-0.086 χ^2/NDF:425089.5/7

Left: 324.109+/-0.064 χ^2/NDF: 1774324.2/16

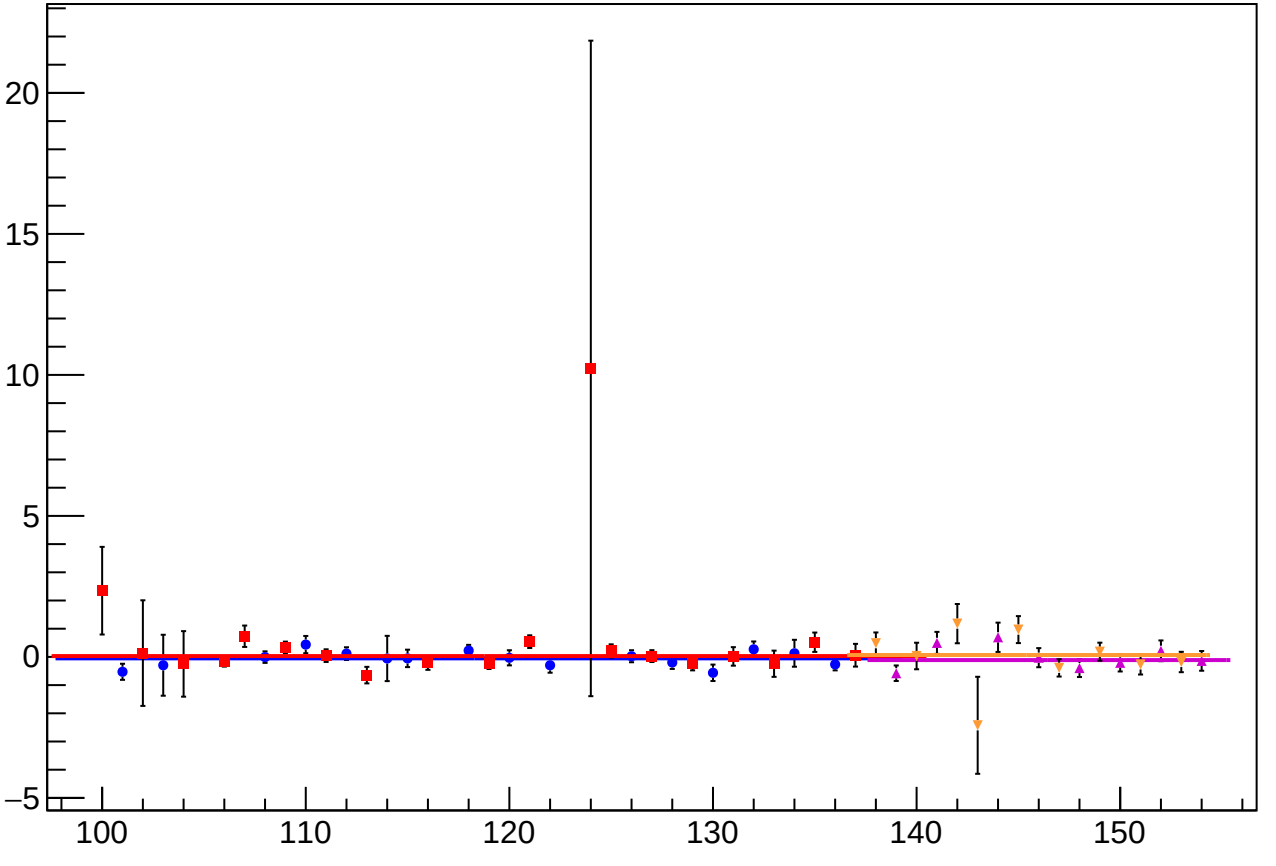
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 200.214+/-0.041 χ^2/NDF:3918816.3/23

Out: 185.784+/-0.041 χ^2/NDF:6735430.1/27

All: 192.937+/-0.029 χ^2/NDF: 10715733.2/51

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: -0.112+/-0.121 χ^2/NDF:9.5/7

Left: -0.033+/-0.091 χ^2/NDF: 23.5/16

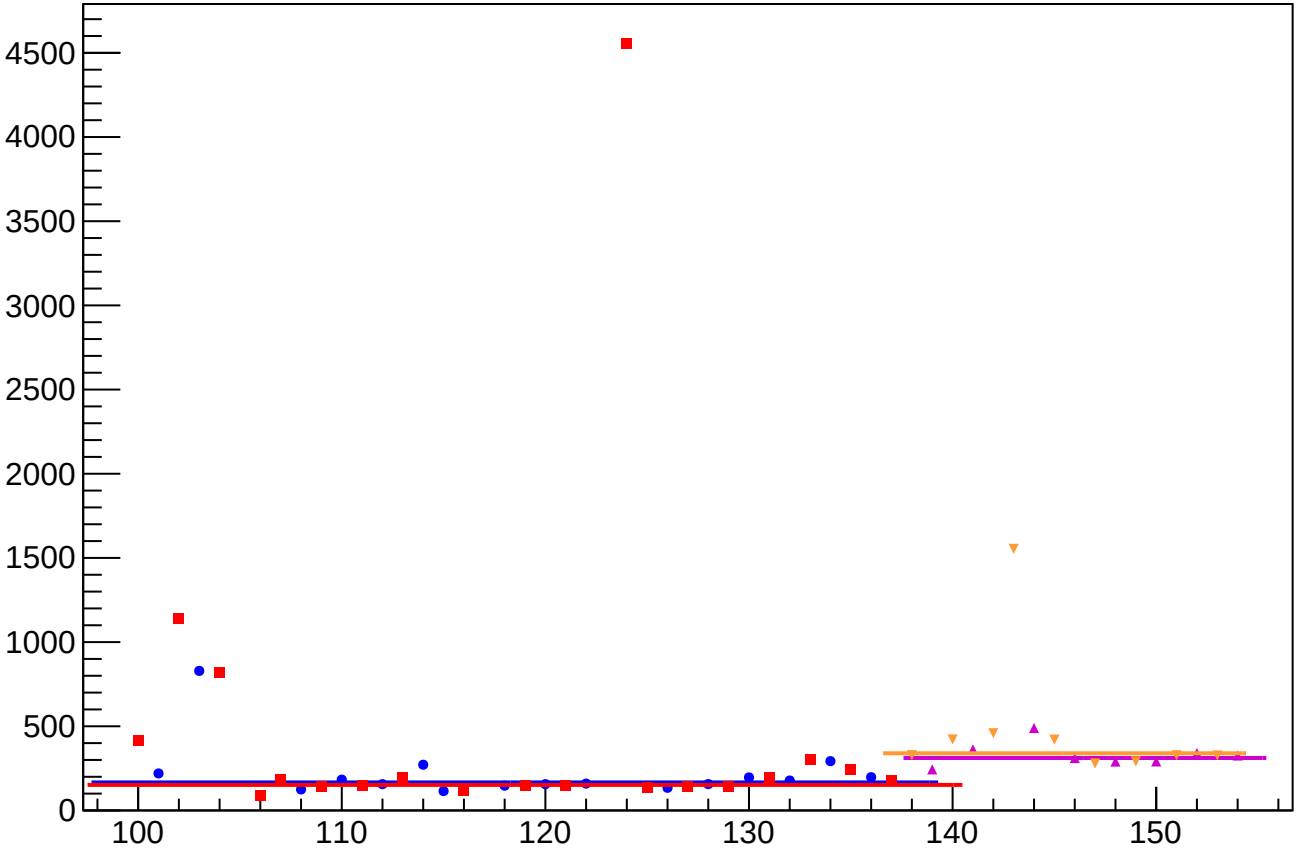
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.058 χ^2/NDF:24.6/23

Out: 0.036+/-0.058 χ^2/NDF:40.7/27

All: -0.014+/-0.041 χ^2/NDF: 66.7/51

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: 311.753+/-0.086 χ^2/NDF:425089.5/7

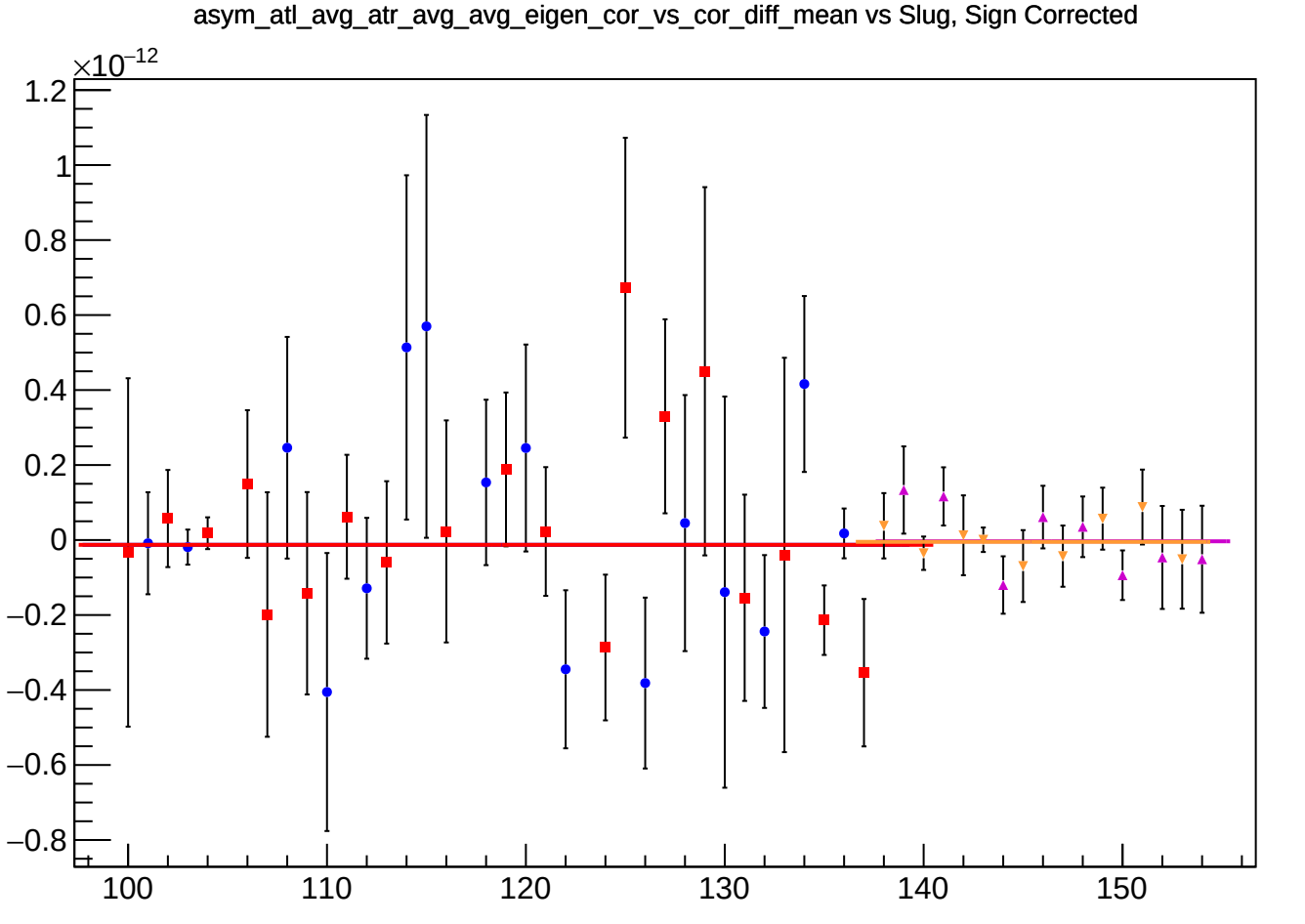
Left: 324.109+/-0.064 χ^2/NDF: 1774324.2/16

Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 200.214+/-0.041 χ^2/NDF:3918816.3/23

Out: 185.784+/-0.041 χ^2/NDF:6735430.1/27

All: 192.937+/-0.029 χ^2/NDF: 10715733.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/7

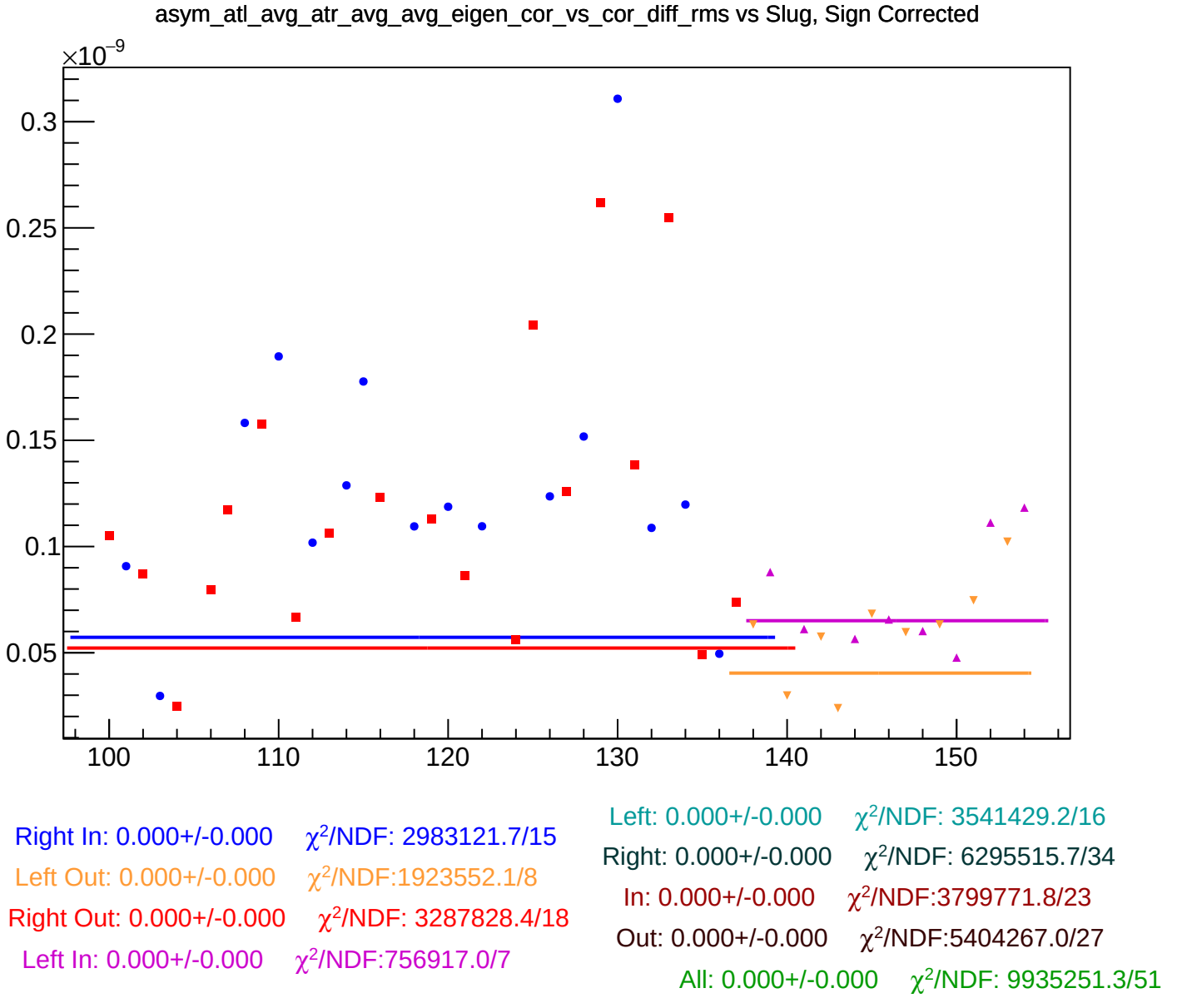
Left: -0.000+/-0.000 χ^2/NDF: 12.0/16

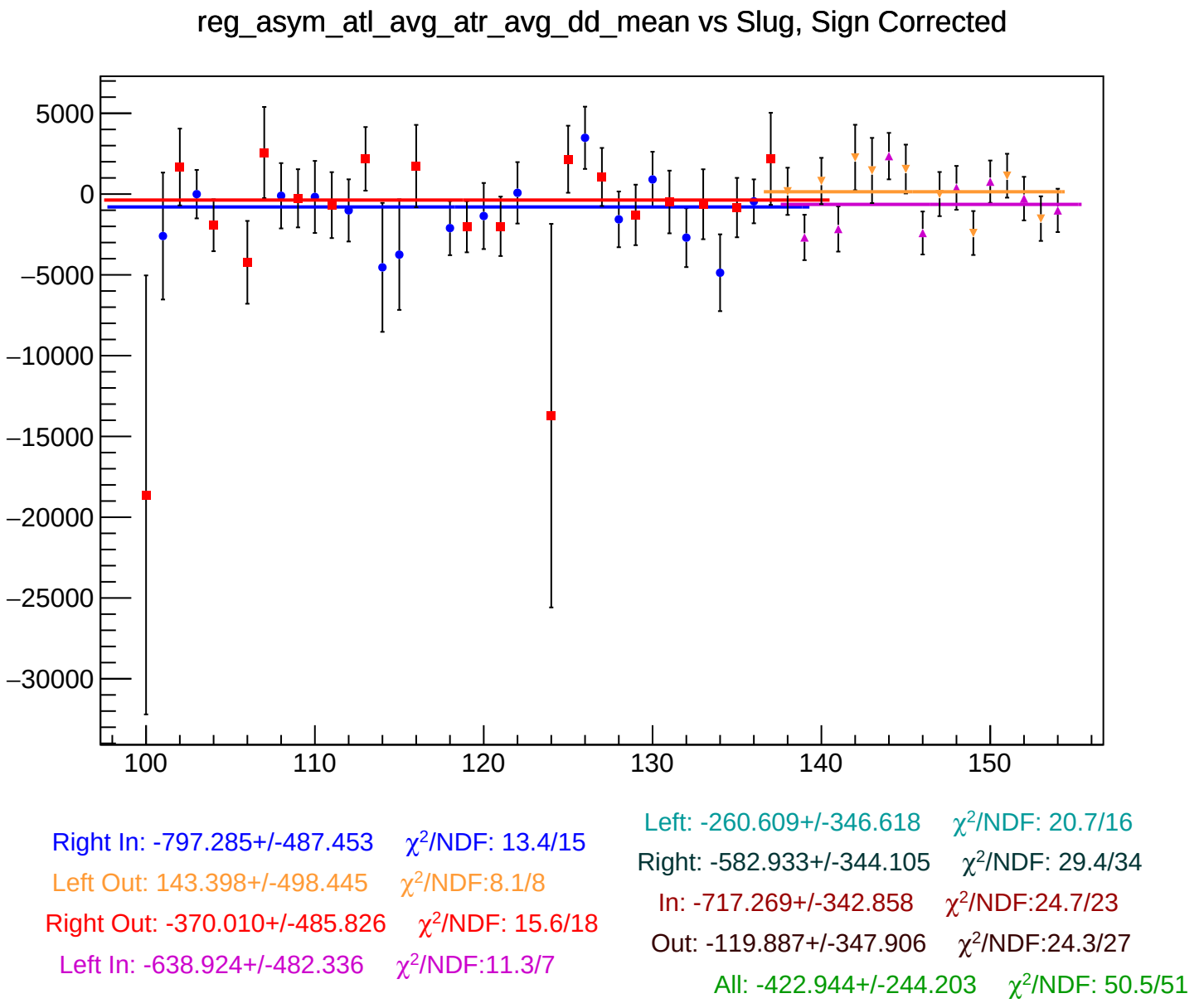
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

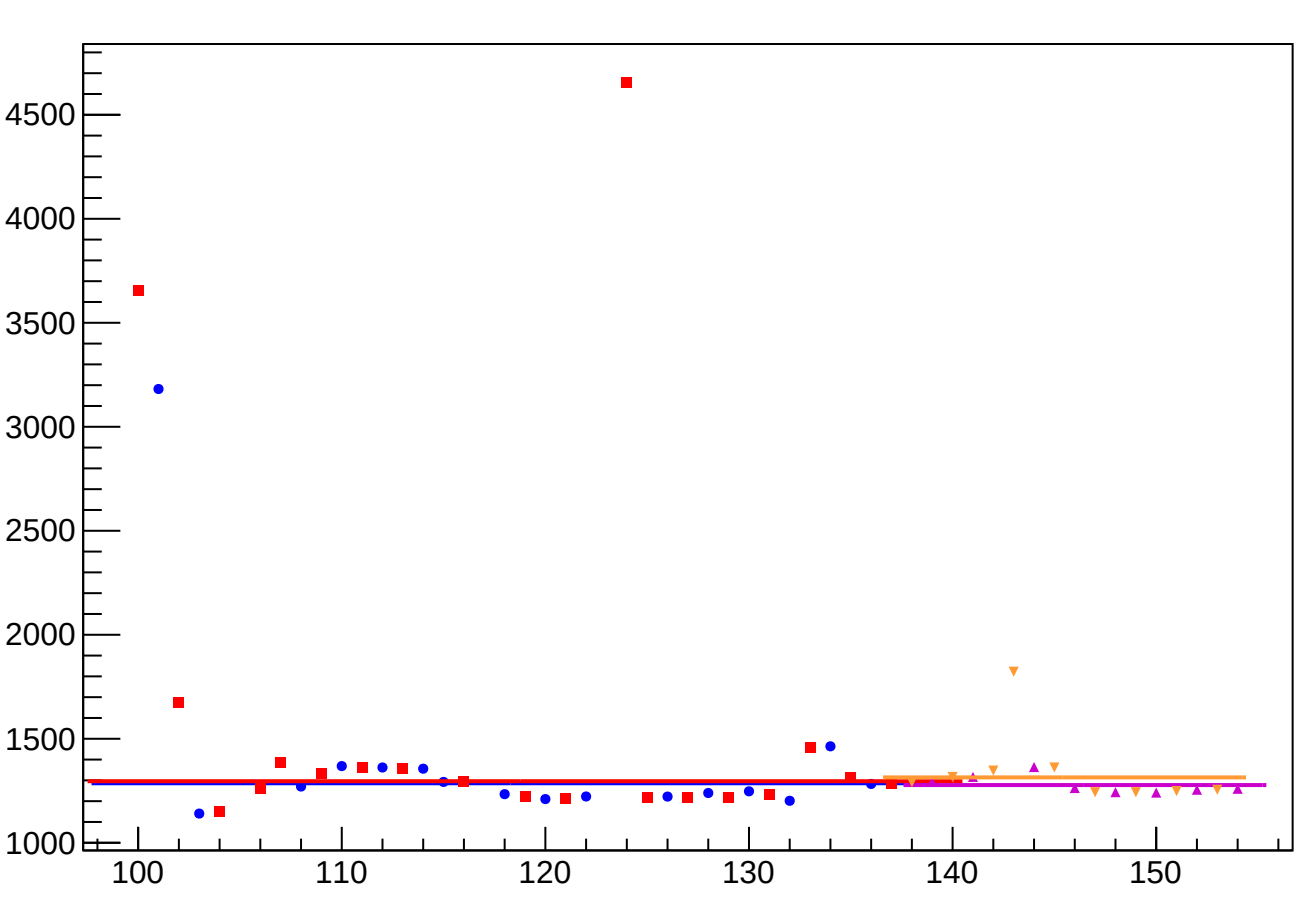
In: -0.000+/-0.000 χ^2/NDF:25.2/23

Out: -0.000+/-0.000 χ^2/NDF:21.9/27

All: -0.000+/-0.000 χ^2/NDF: 47.1/51


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1923552.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:756917.0/7
Left: 0.000+/-0.000 χ²/NDF: 3541429.2/16
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:3799771.8/23
Out: 0.000+/-0.000 χ²/NDF:5404267.0/27
All: 0.000+/-0.000 χ²/NDF: 9935251.3/51


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: -638.924+/-482.336 χ²/NDF:11.3/7
Left: -260.609+/-346.618 χ²/NDF: 20.7/16
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -717.269+/-342.858 χ²/NDF:24.7/23
Out: -119.887+/-347.906 χ²/NDF:24.3/27
All: -422.944+/-244.203 χ²/NDF: 50.5/51



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: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1295.263+/-0.245 χ^2/NDF: 167943.3/16

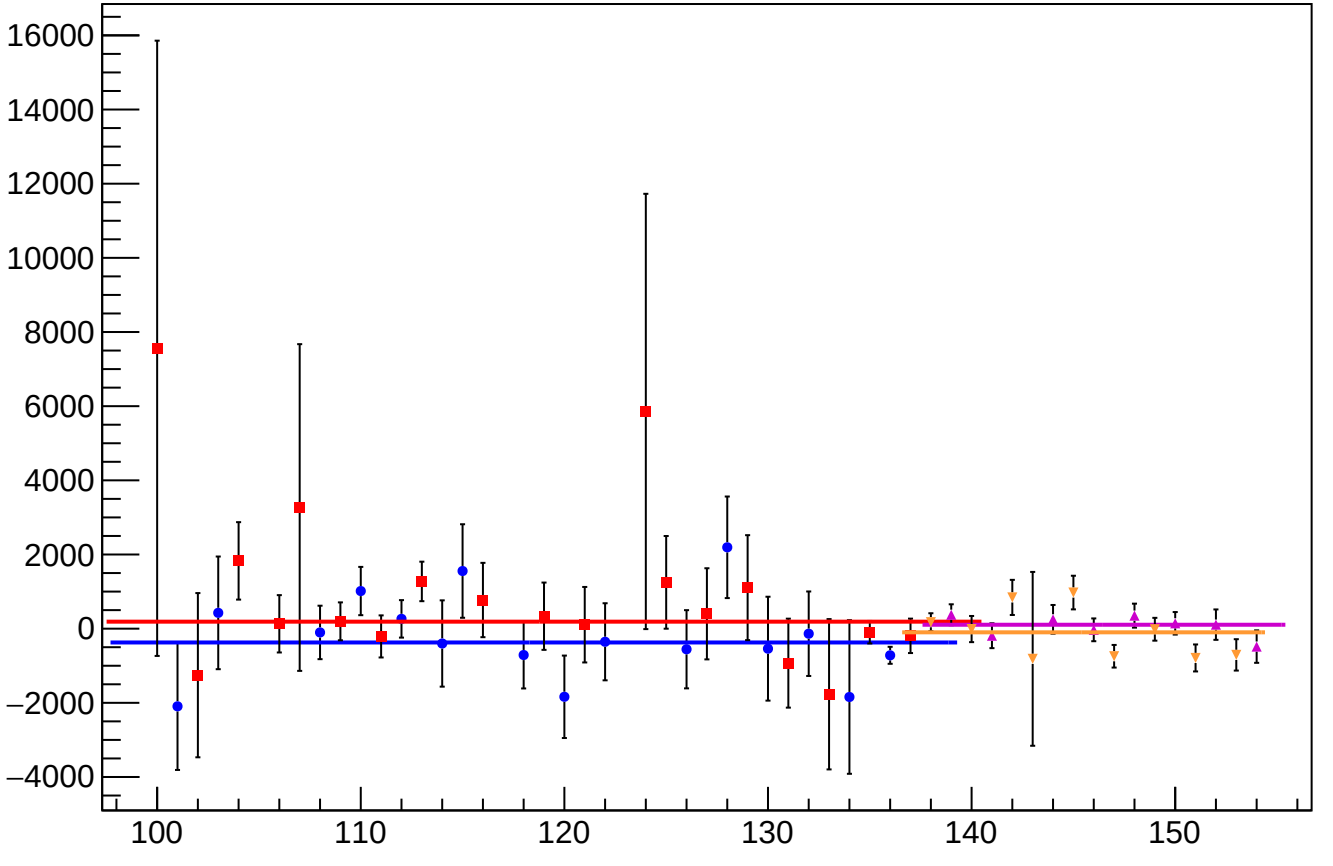
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1281.725+/-0.242 χ^2/NDF:531487.4/23

Out: 1304.882+/-0.246 χ^2/NDF:478716.7/27

All: 1293.134+/-0.173 χ^2/NDF: 1014699.3/51

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -98.665+/-120.284 χ^2/NDF:21.2/8

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 105.612+/-119.290 χ^2/NDF:4.4/7

Left: 4.321+/-84.700 χ^2/NDF: 27.1/16

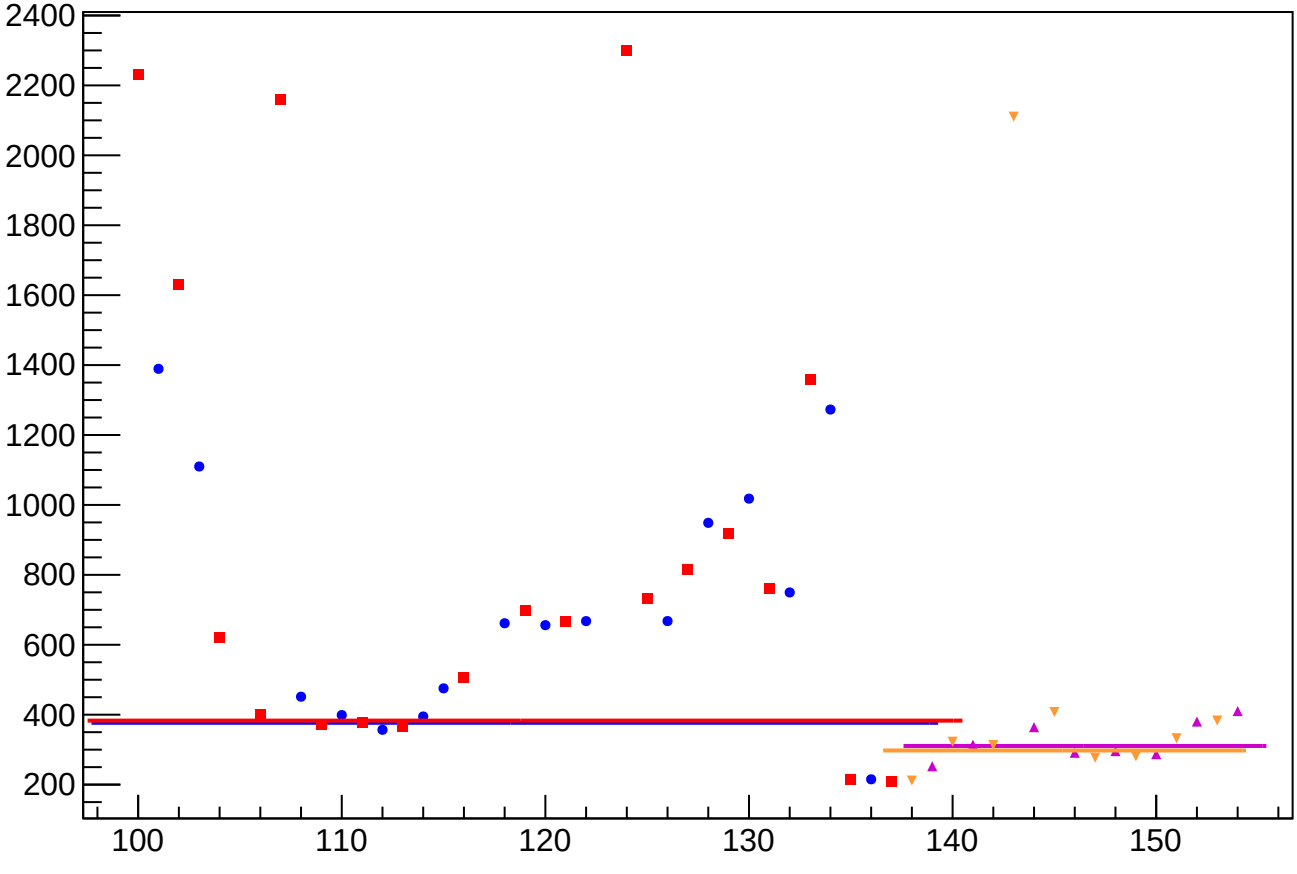
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -54.328+/-97.304 χ^2/NDF:28.0/23

Out: -2.395+/-98.109 χ^2/NDF:37.8/27

All: -28.575+/-69.087 χ^2/NDF: 65.9/51

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: 310.564+/-0.084 χ^2/NDF:309025.7/7

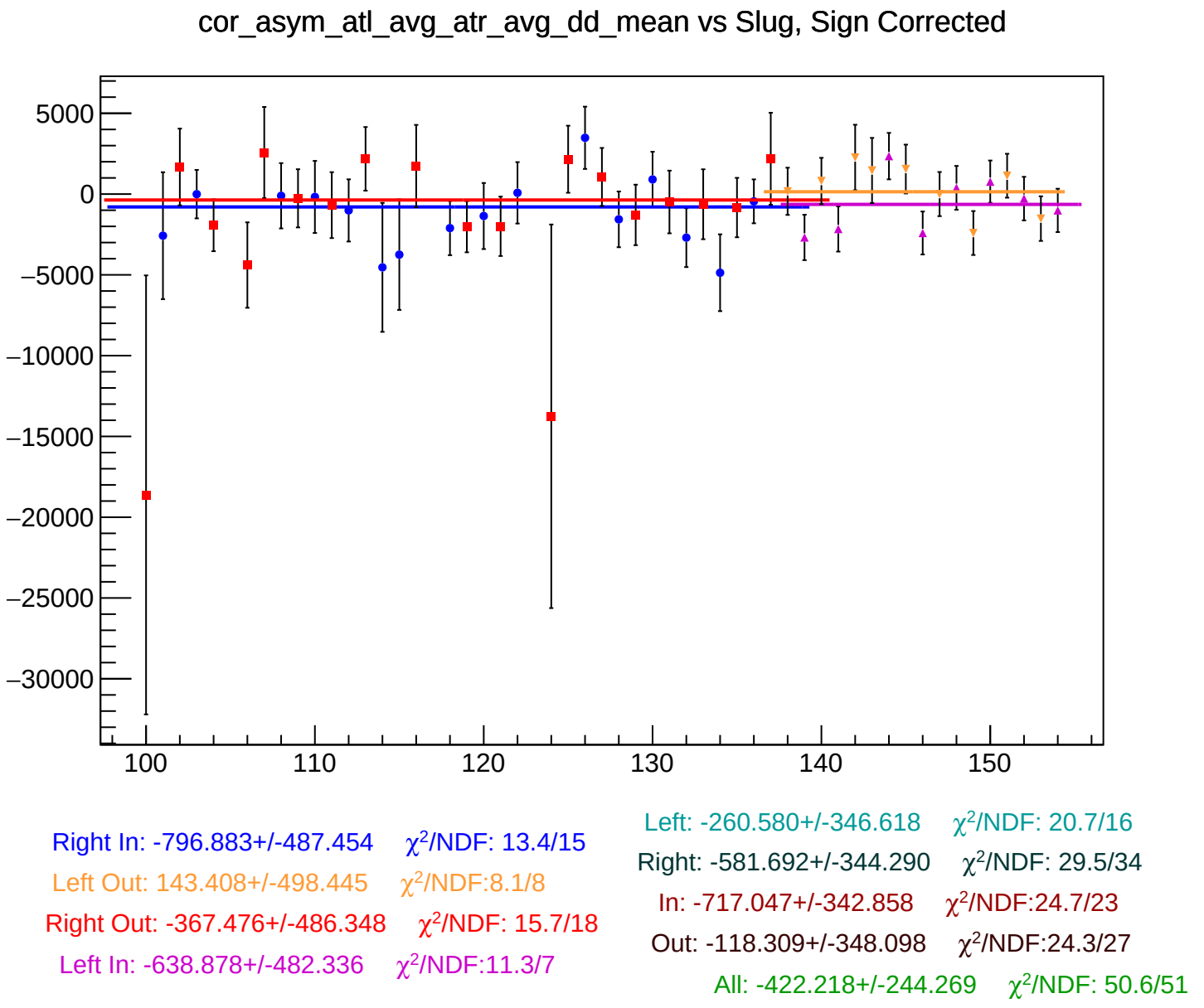
Left: 304.162+/-0.060 χ^2/NDF: 2016393.1/16

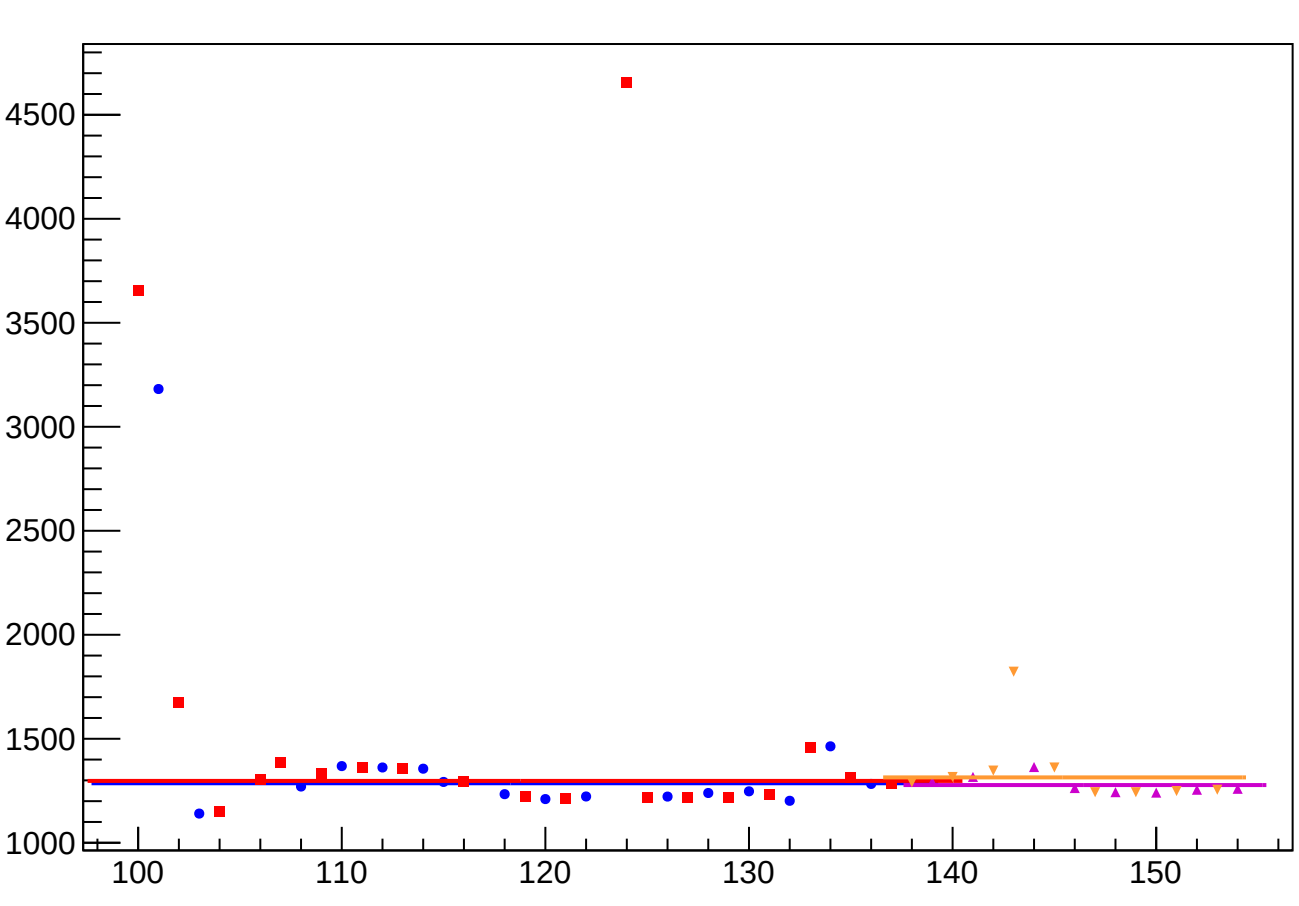
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 332.761+/-0.069 χ^2/NDF:4706142.4/23

Out: 326.245+/-0.069 χ^2/NDF:6087501.3/27

All: 329.530+/-0.049 χ^2/NDF: 10798091.4/51


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: -638.878+/-482.336 χ²/NDF:11.3/7
Left: -260.580+/-346.618 χ²/NDF: 20.7/16
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -717.047+/-342.858 χ²/NDF:24.7/23
Out: -118.309+/-348.098 χ²/NDF:24.3/27
All: -422.218+/-244.269 χ²/NDF: 50.6/51



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: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1295.263+/-0.245 χ^2/NDF: 167943.3/16

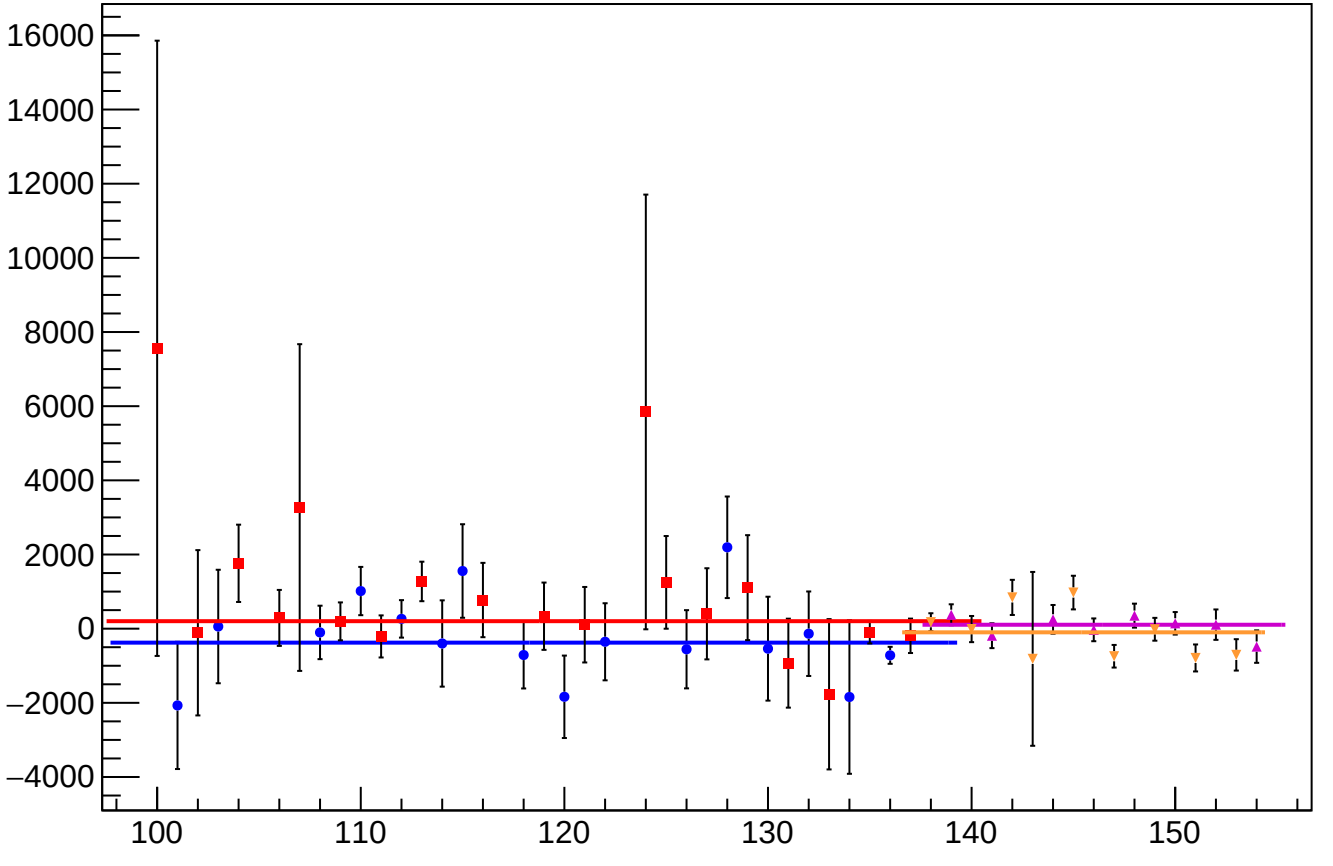
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1281.725+/-0.242 χ^2/NDF:531488.8/23

Out: 1305.635+/-0.246 χ^2/NDF:478176.1/27

All: 1293.499+/-0.173 χ^2/NDF: 1014454.6/51

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: 105.646+/-119.289 χ^2/NDF:4.4/7

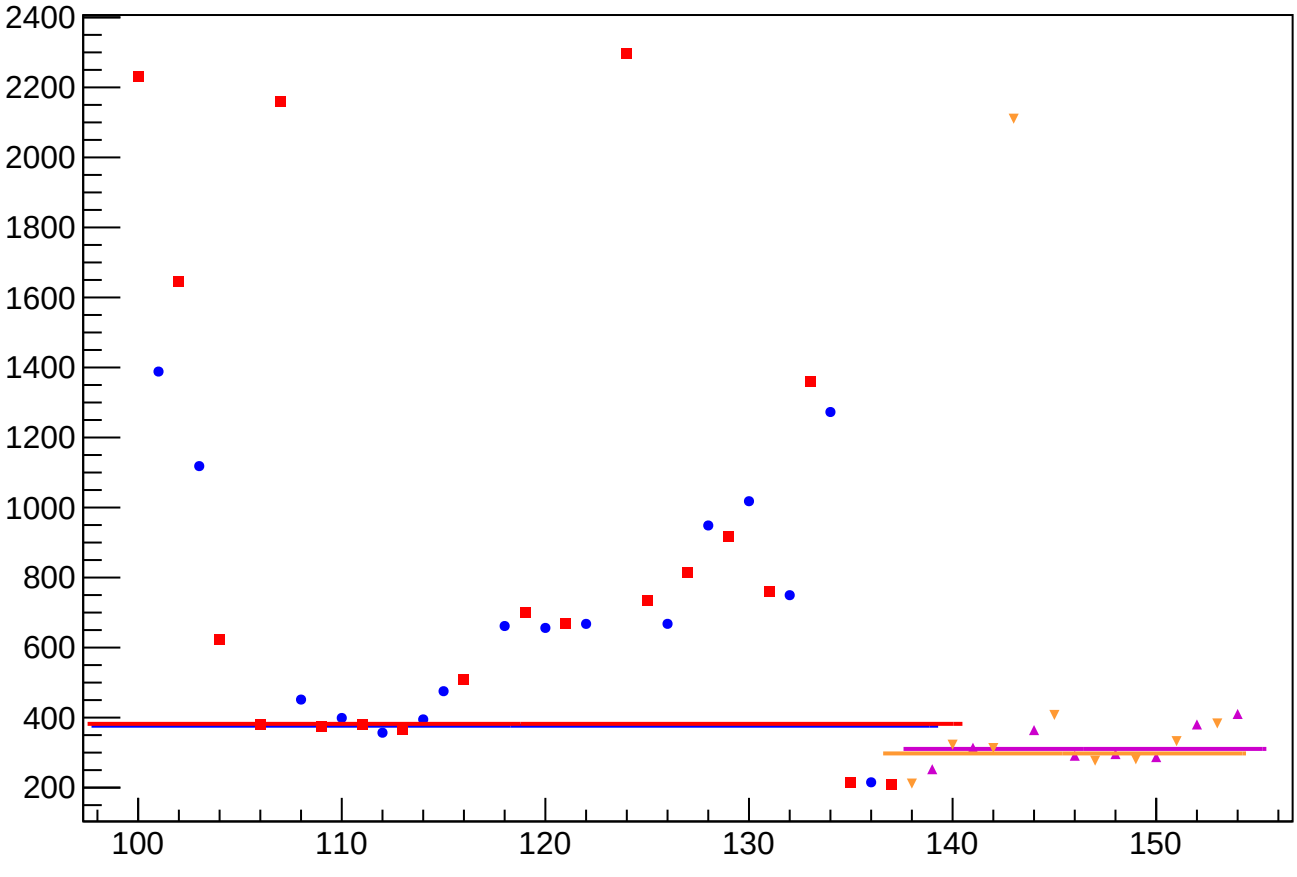
Left: 4.334+/-84.701 χ^2/NDF: 27.1/16

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -55.767+/-97.307 χ^2/NDF:27.8/23

Out: 2.174+/-98.072 χ^2/NDF:37.3/27

All: -27.023+/-69.075 χ^2/NDF: 65.3/51



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: 310.563+/-0.084 χ^2/NDF:309059.4/7

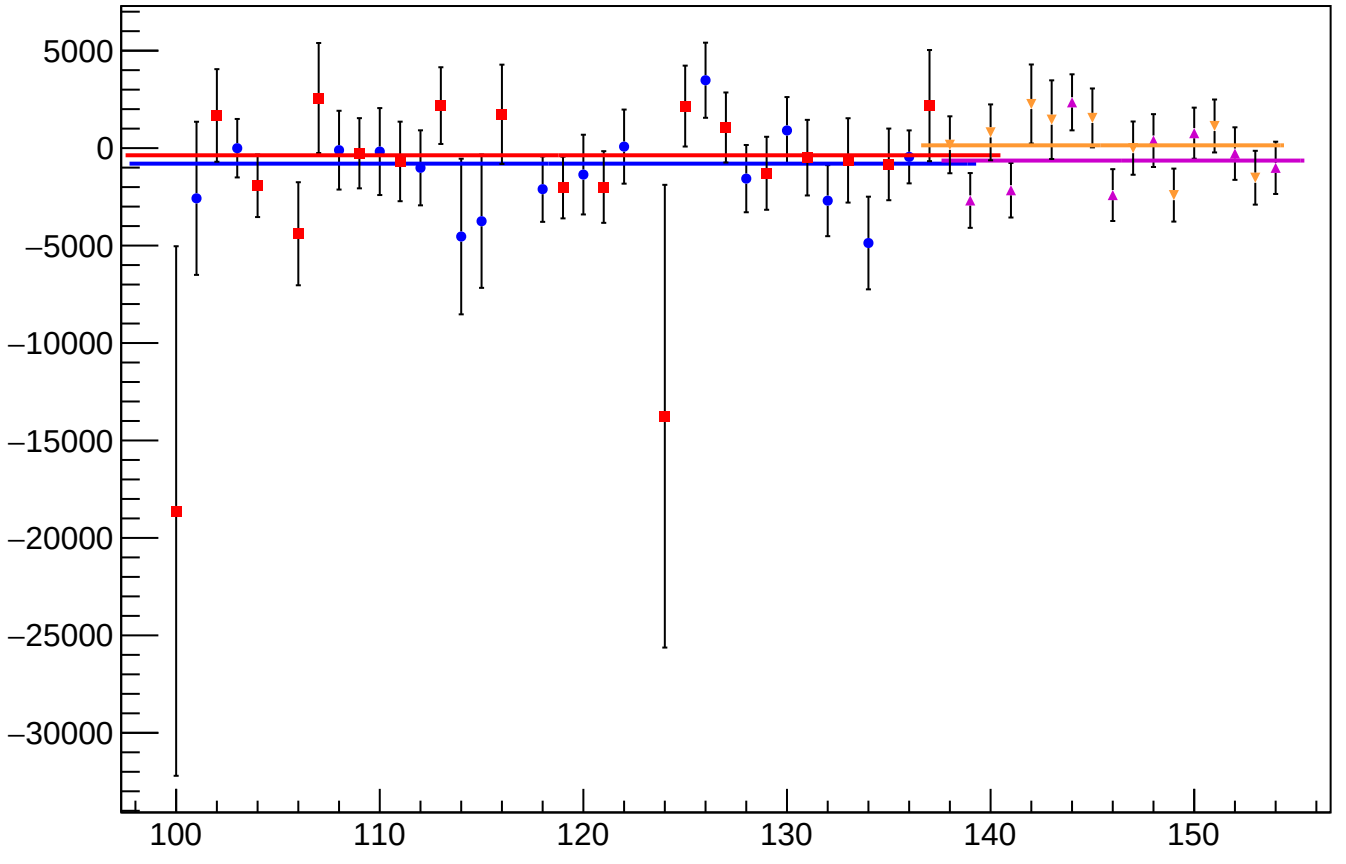
Left: 304.166+/-0.060 χ^2/NDF: 2016380.3/16

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 332.753+/-0.069 χ^2/NDF:4709234.7/23

Out: 325.983+/-0.069 χ^2/NDF:6086010.0/27

All: 329.395+/-0.049 χ^2/NDF: 10800048.0/51



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: -638.878+/-482.336 χ^2/NDF:11.3/7

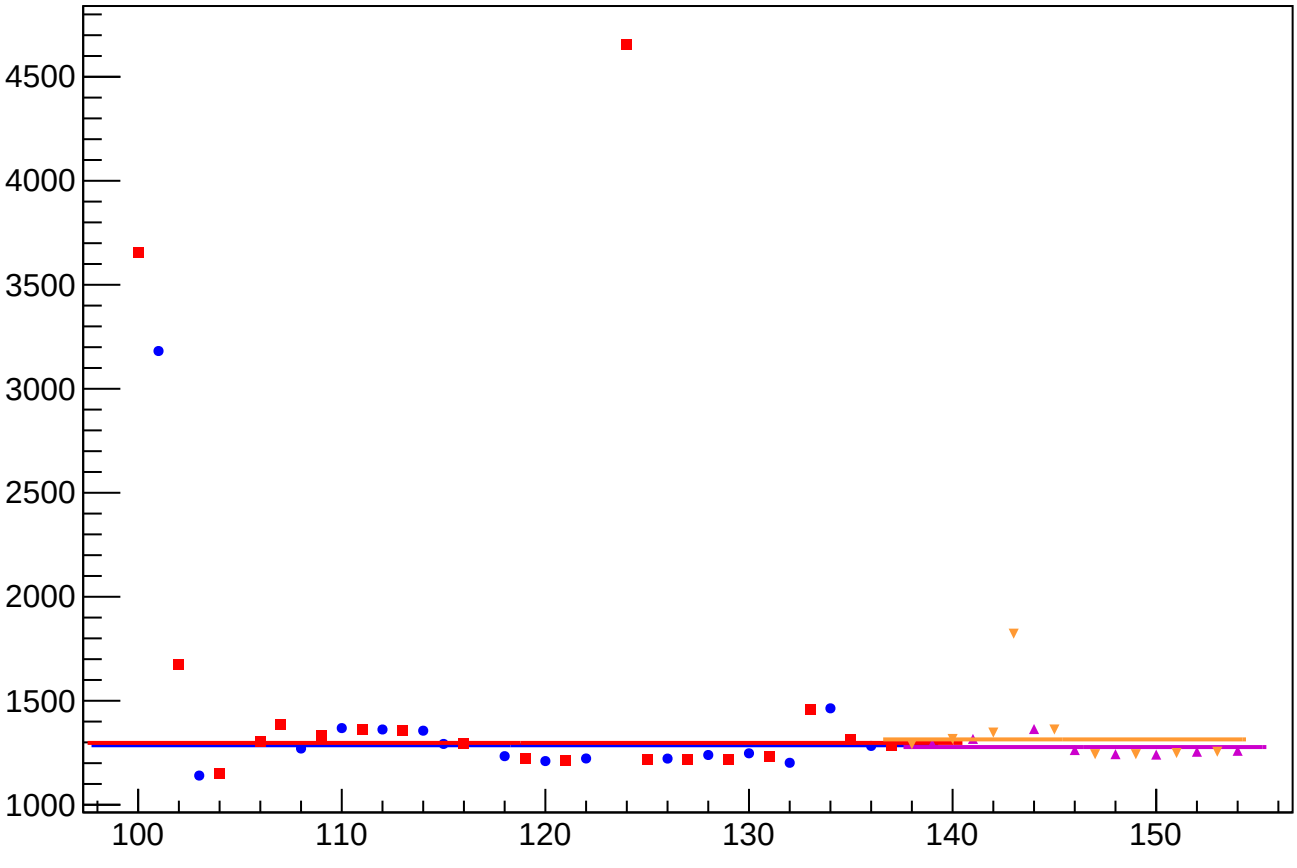
Left: -260.580+/-346.618 χ^2/NDF: 20.7/16

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -717.047+/-342.858 χ^2/NDF:24.7/23

Out: -118.309+/-348.098 χ^2/NDF:24.3/27

All: -422.218+/-244.269 χ^2/NDF: 50.6/51



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: 1277.444+/-0.341 χ^2/NDF:13042.0/7

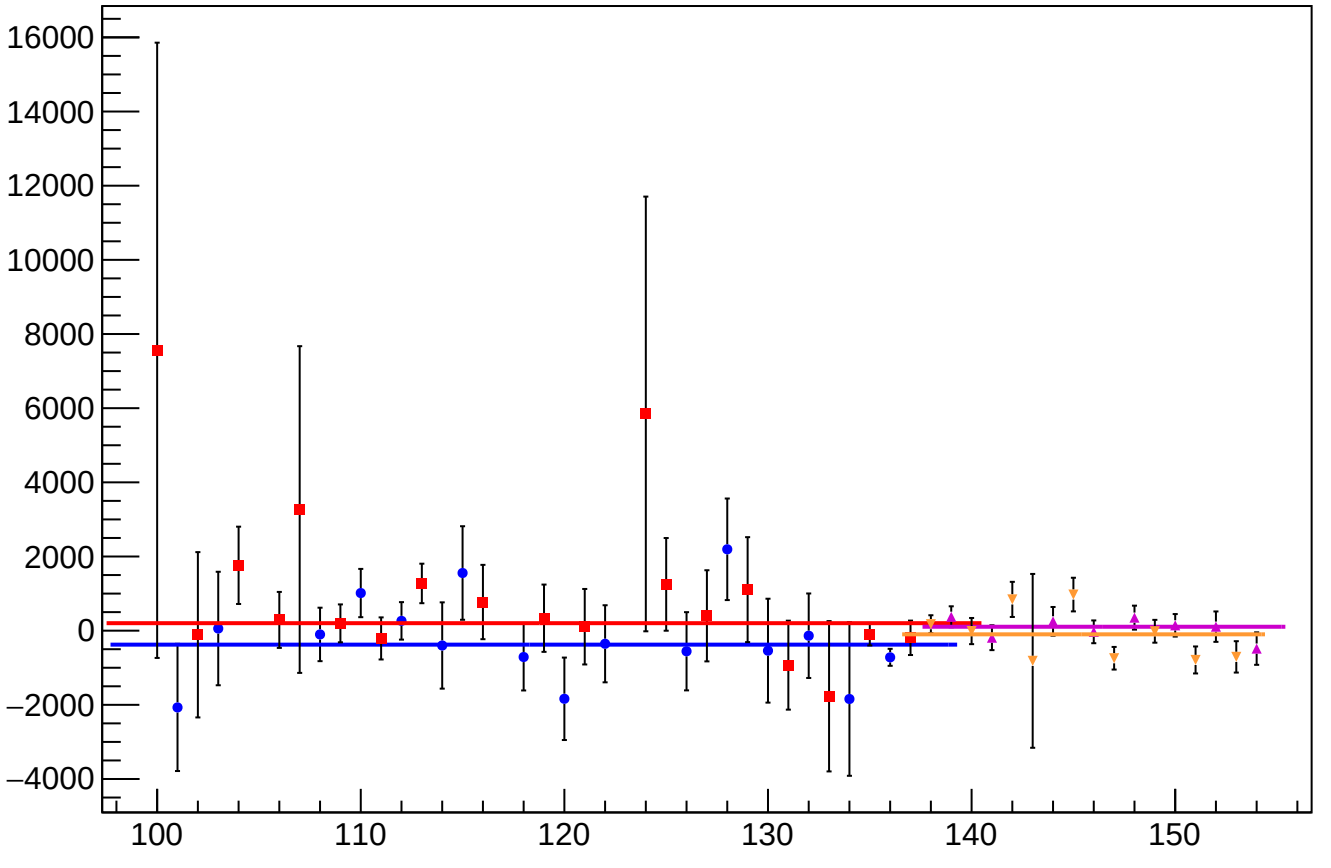
Left: 1295.263+/-0.245 χ^2/NDF: 167943.3/16

Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1281.725+/-0.242 χ^2/NDF:531488.8/23

Out: 1305.635+/-0.246 χ^2/NDF:478176.1/27

All: 1293.499+/-0.173 χ^2/NDF: 1014454.6/51



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: 105.646+/-119.289 χ^2/NDF:4.4/7

Left: 4.334+/-84.701 χ^2/NDF: 27.1/16

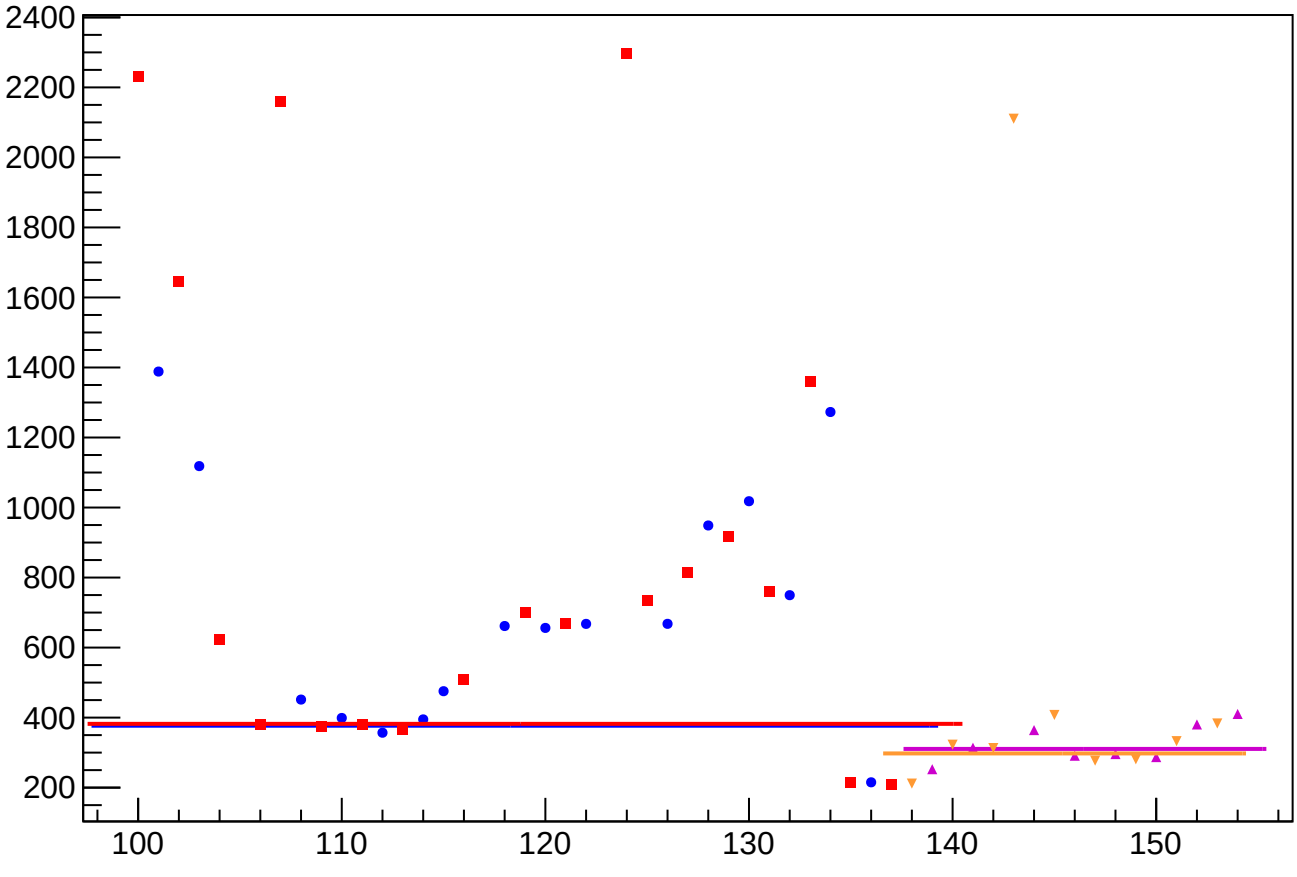
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -55.767+/-97.307 χ^2/NDF:27.8/23

Out: 2.174+/-98.072 χ^2/NDF:37.3/27

All: -27.023+/-69.075 χ^2/NDF: 65.3/51

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: 310.563+/-0.084 χ^2/NDF:309059.4/7

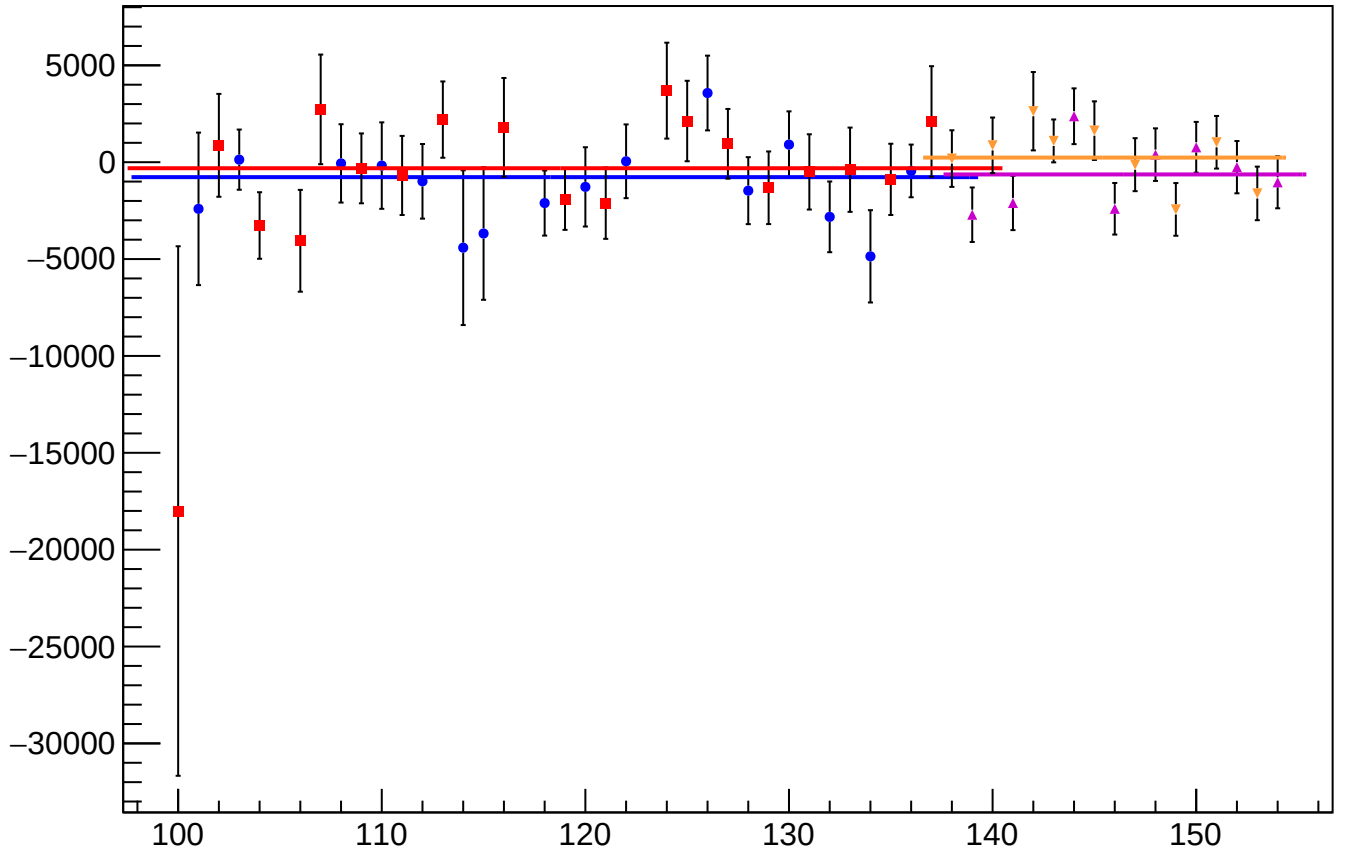
Left: 304.166+/-0.060 χ^2/NDF: 2016380.3/16

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 332.753+/-0.069 χ^2/NDF:4709234.7/23

Out: 325.983+/-0.069 χ^2/NDF:6086010.0/27

All: 329.395+/-0.049 χ^2/NDF: 10800048.0/51



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 237.944+/-466.678 χ^2/NDF:9.1/8

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -631.320+/-482.717 χ^2/NDF:11.3/7

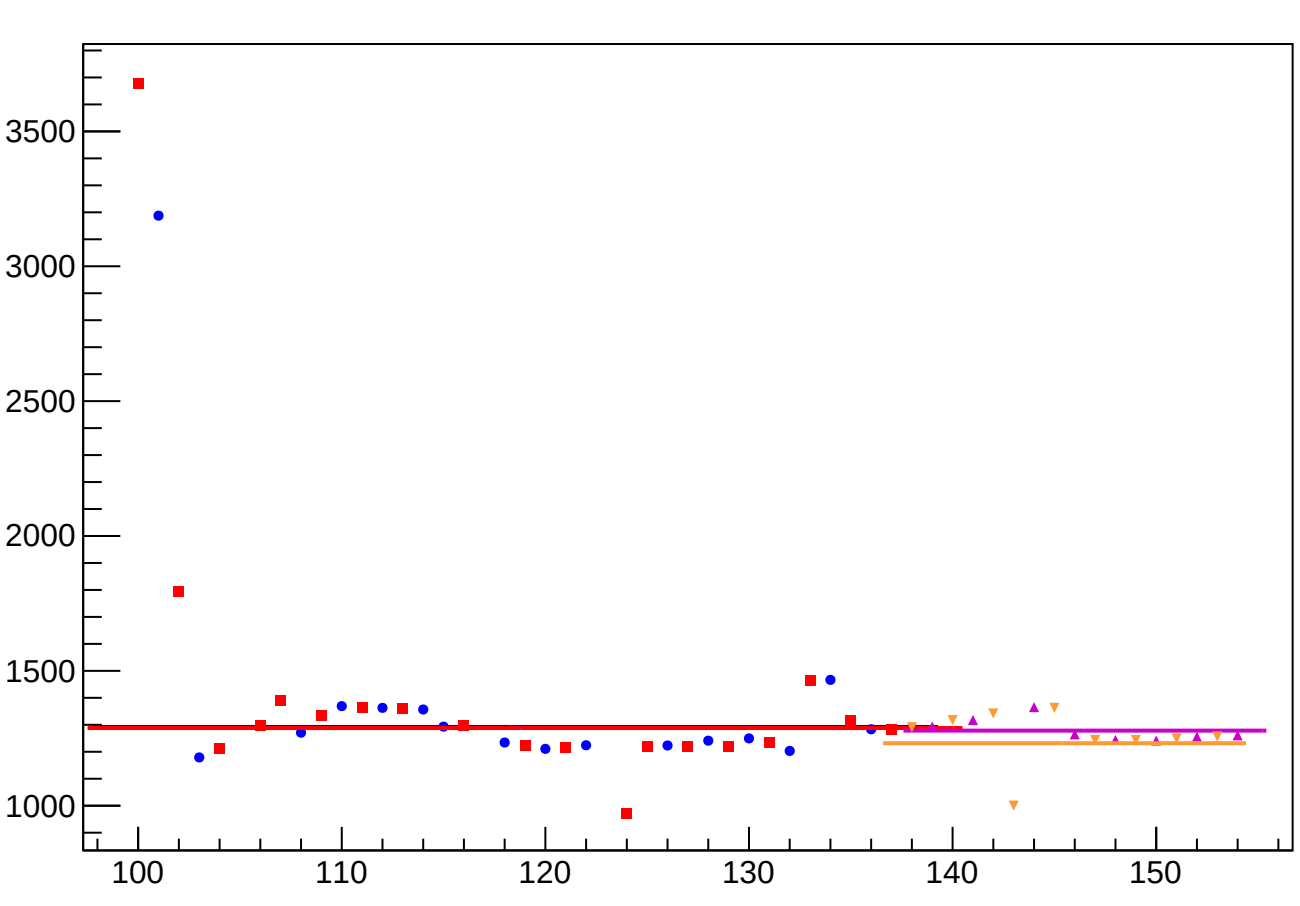
Left: -182.007+/-335.518 χ^2/NDF: 22.1/16

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -700.417+/-343.741 χ^2/NDF:24.9/23

Out: -27.501+/-335.493 χ^2/NDF:27.7/27

All: -355.789+/-240.092 χ^2/NDF: 54.6/51



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: 1278.445+/-0.341 χ^2/NDF:13106.8/7

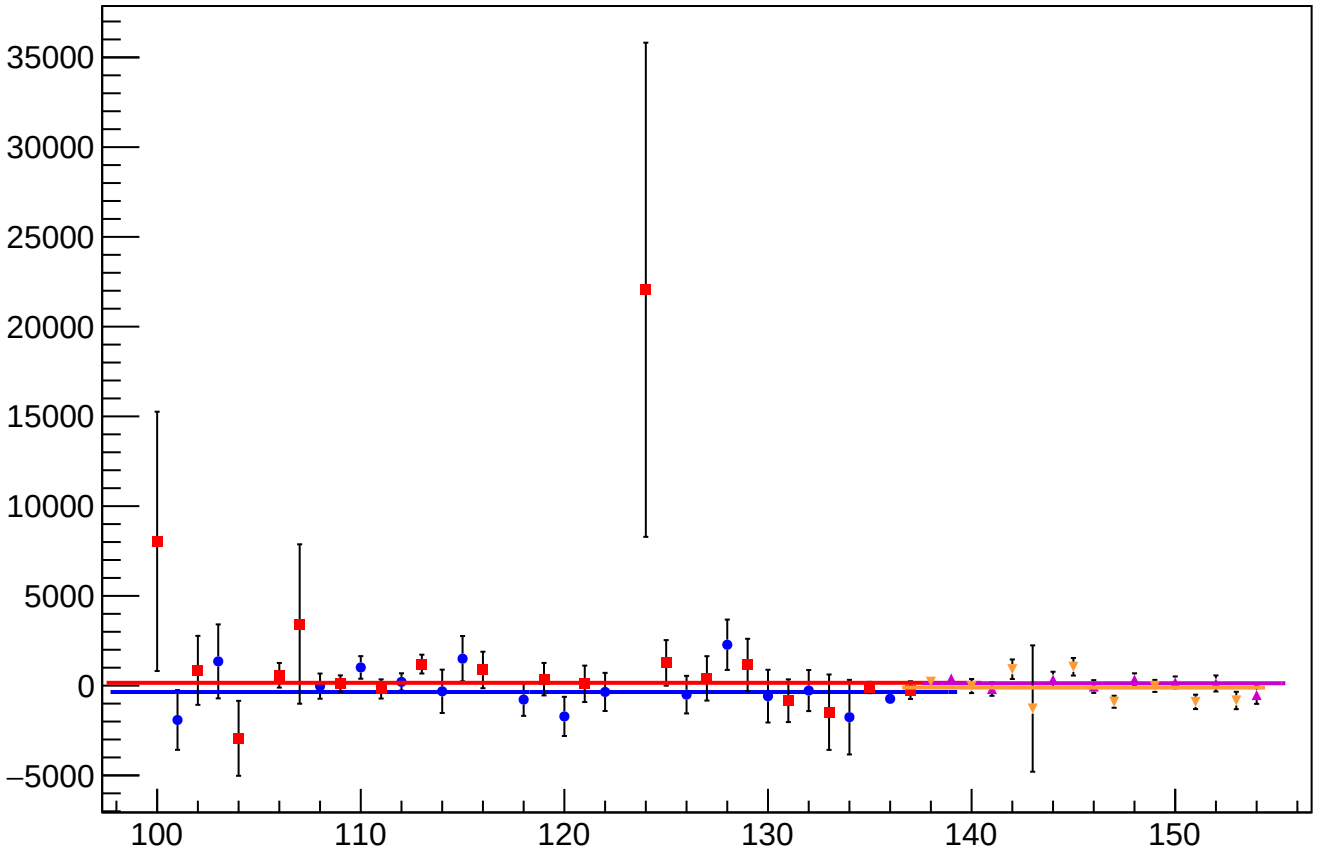
Left: 1254.321+/-0.237 χ^2/NDF: 142838.8/16

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1285.145+/-0.243 χ^2/NDF:523294.8/23

Out: 1258.936+/-0.237 χ^2/NDF:343299.3/27

All: 1271.722+/-0.170 χ^2/NDF: 872548.7/51



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: 134.735+/-129.692 χ^2/NDF:4.2/7

Left: 13.751+/-91.784 χ^2/NDF: 28.8/16

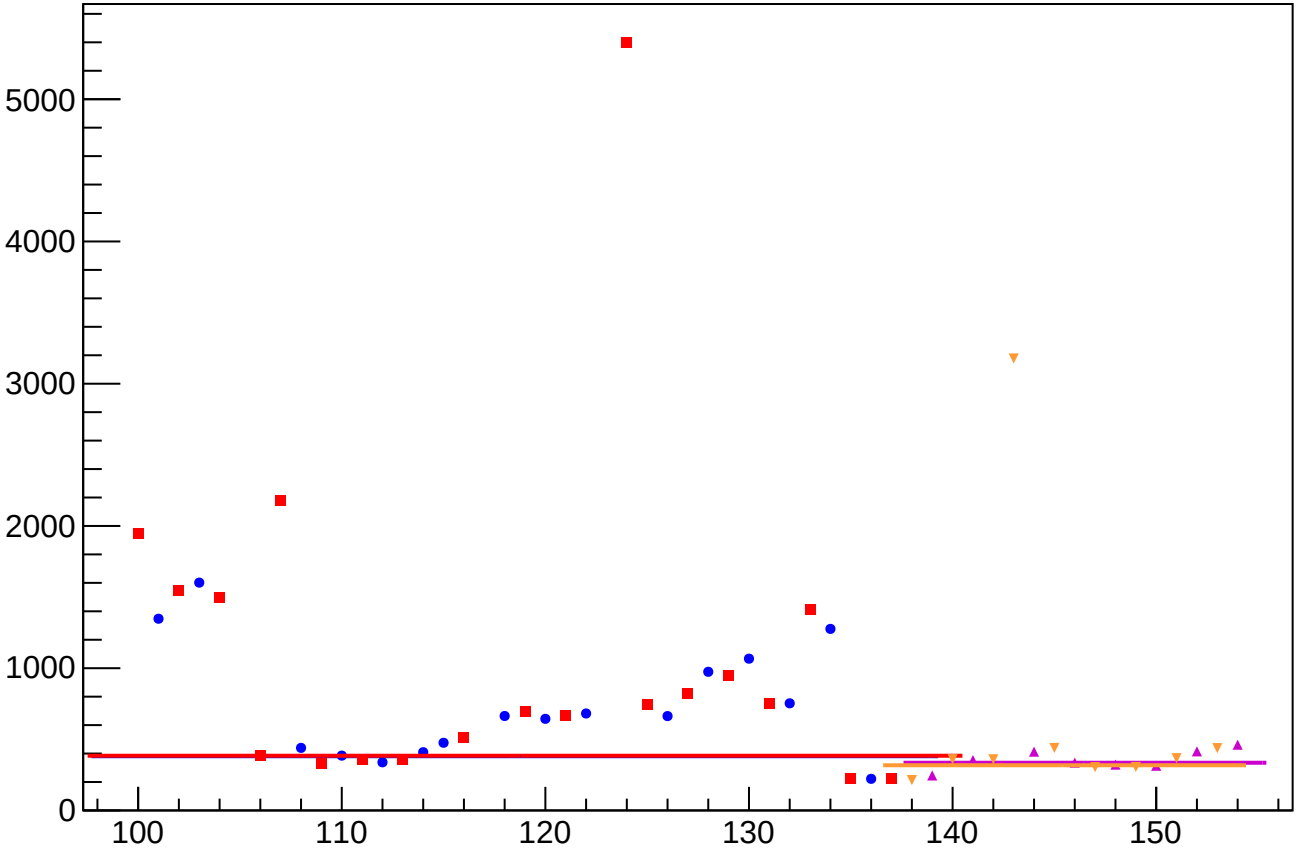
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -45.558+/-103.106 χ^2/NDF:27.9/23

Out: -9.489+/-103.147 χ^2/NDF:40.2/27

All: -27.531+/-72.921 χ^2/NDF: 68.2/51

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 317.738+/-0.092 χ^2/NDF:2004838.5/8

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 335.410+/-0.092 χ^2/NDF:484388.5/7

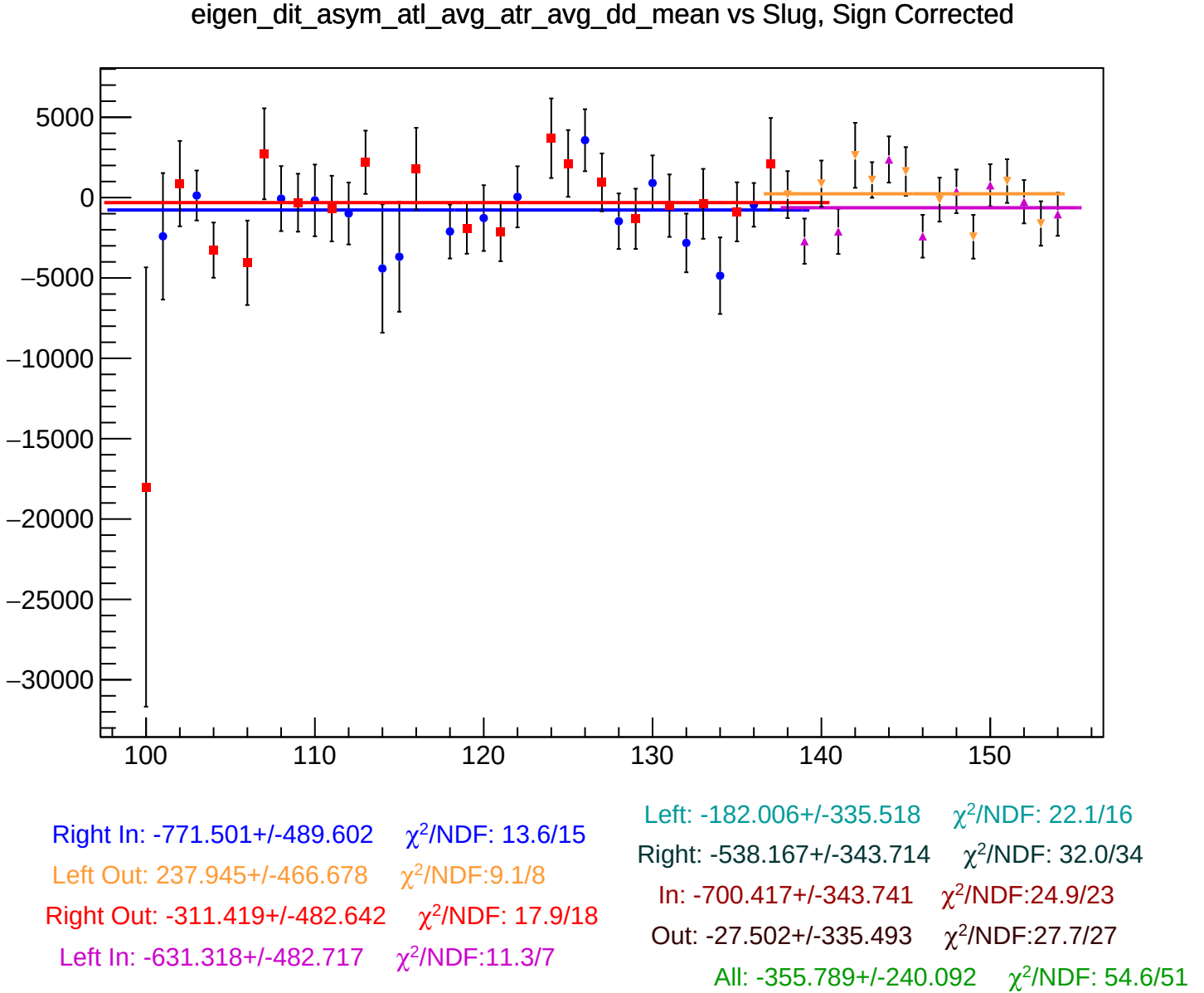
Left: 326.589+/-0.065 χ^2/NDF: 2507764.0/16

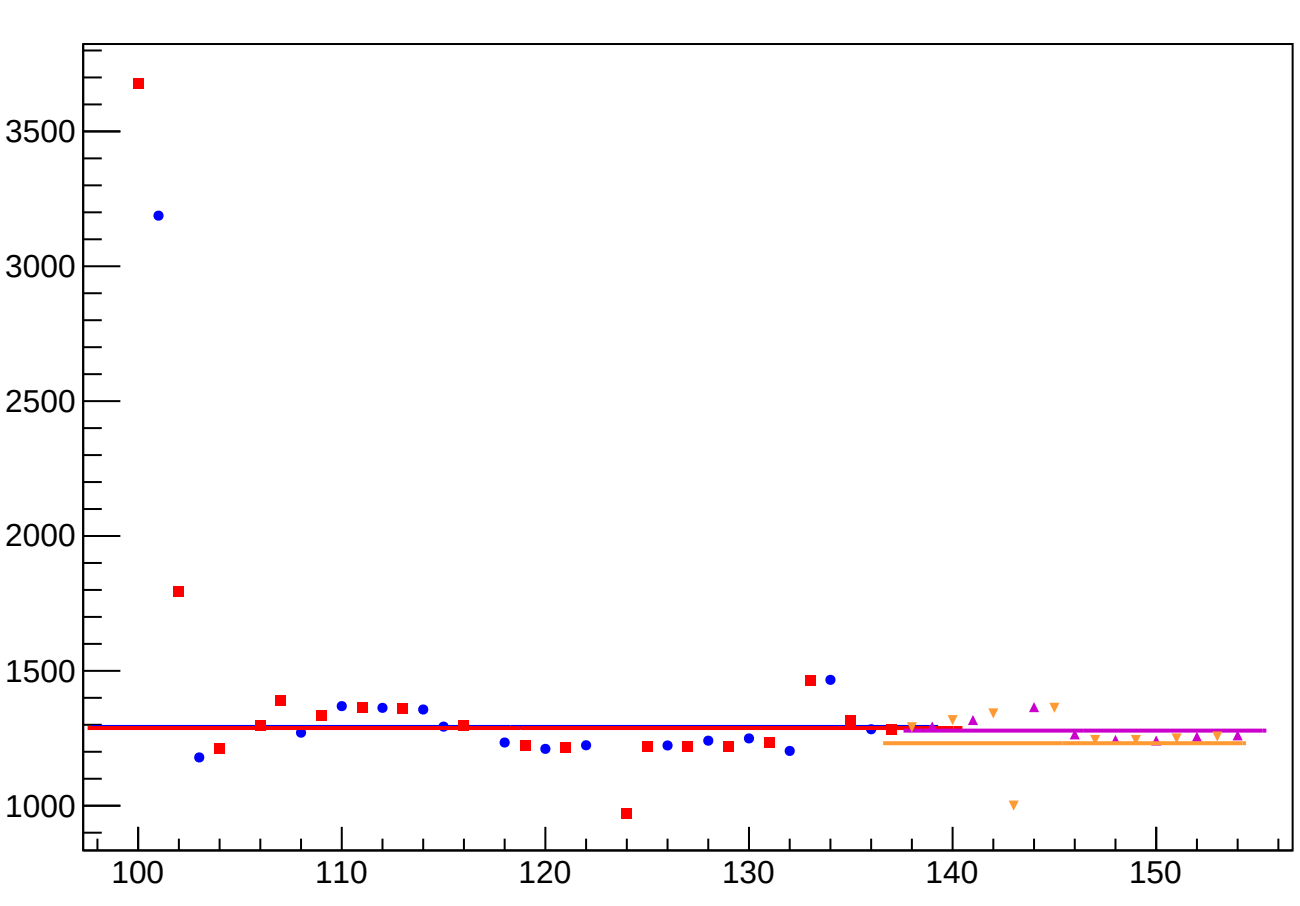
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 352.315+/-0.073 χ^2/NDF:4894647.7/23

Out: 342.469+/-0.073 χ^2/NDF:6761149.9/27

All: 347.394+/-0.052 χ^2/NDF: 11664913.2/51


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
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: -631.318+/-482.717 χ²/NDF:11.3/7
Left: -182.006+/-335.518 χ²/NDF: 22.1/16
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -700.417+/-343.741 χ²/NDF:24.9/23
Out: -27.502+/-335.493 χ²/NDF:27.7/27
All: -355.789+/-240.092 χ²/NDF: 54.6/51



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: 1278.445+/-0.341 χ^2/NDF:13106.8/7

Left: 1254.321+/-0.237 χ^2/NDF: 142838.0/16

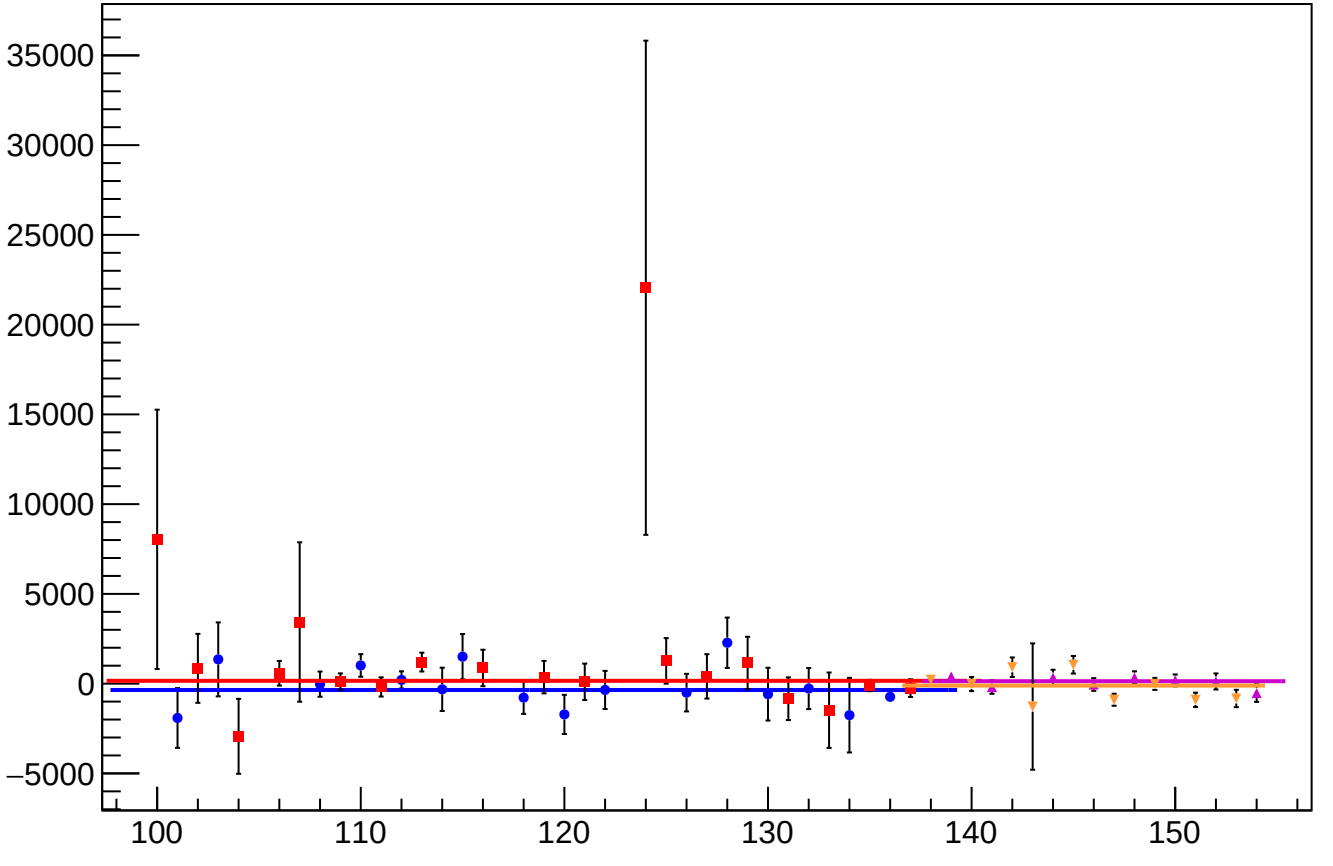
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1285.145+/-0.243 χ^2/NDF:523294.8/23

Out: 1258.936+/-0.237 χ^2/NDF:343298.7/27

All: 1271.722+/-0.170 χ^2/NDF: 872548.0/51

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: 134.735+/-129.694 χ^2/NDF:4.2/7

Left: 13.747+/-91.785 χ^2/NDF: 28.8/16

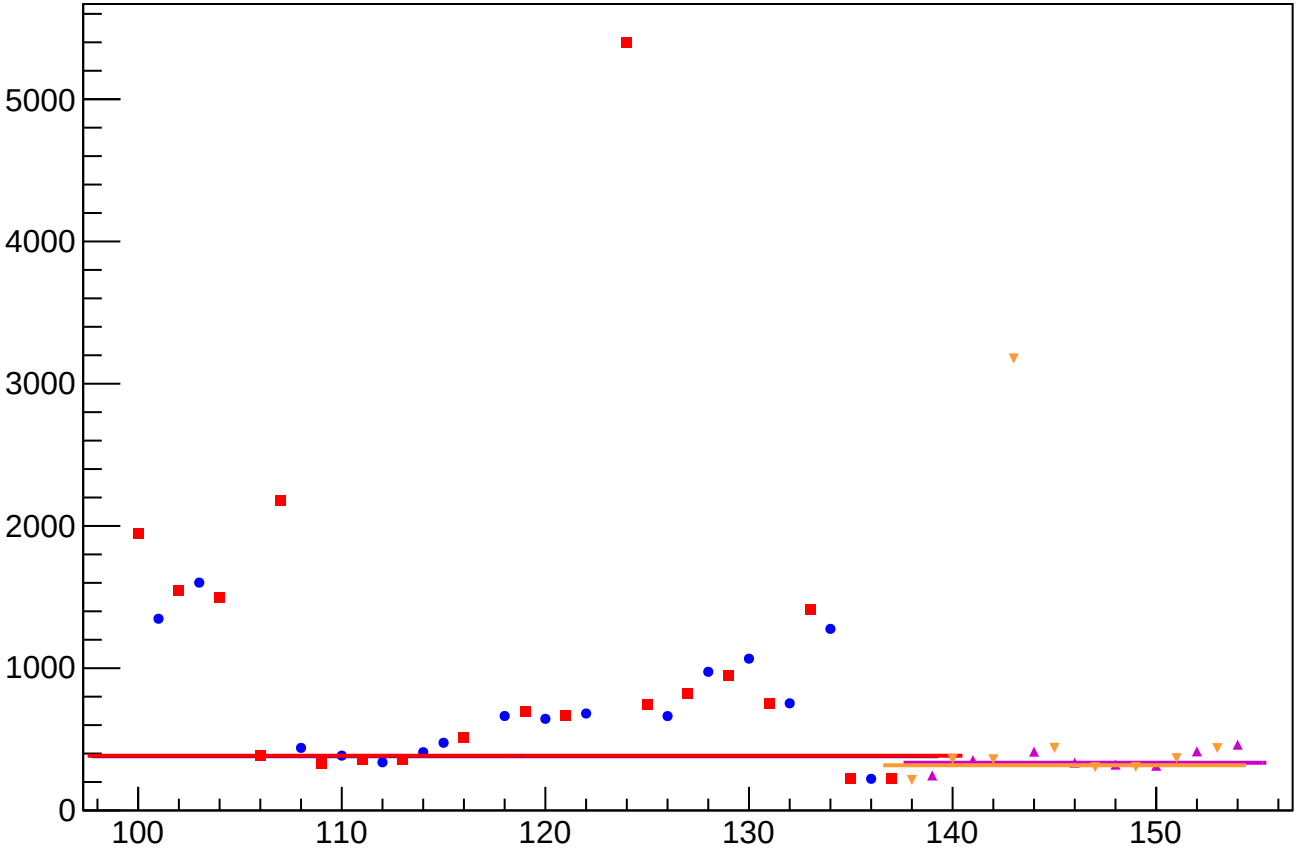
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -45.556+/-103.107 χ^2/NDF:27.9/23

Out: -9.493+/-103.149 χ^2/NDF:40.2/27

All: -27.532+/-72.922 χ^2/NDF: 68.2/51

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: 335.415+/-0.092 χ^2/NDF:484305.4/7

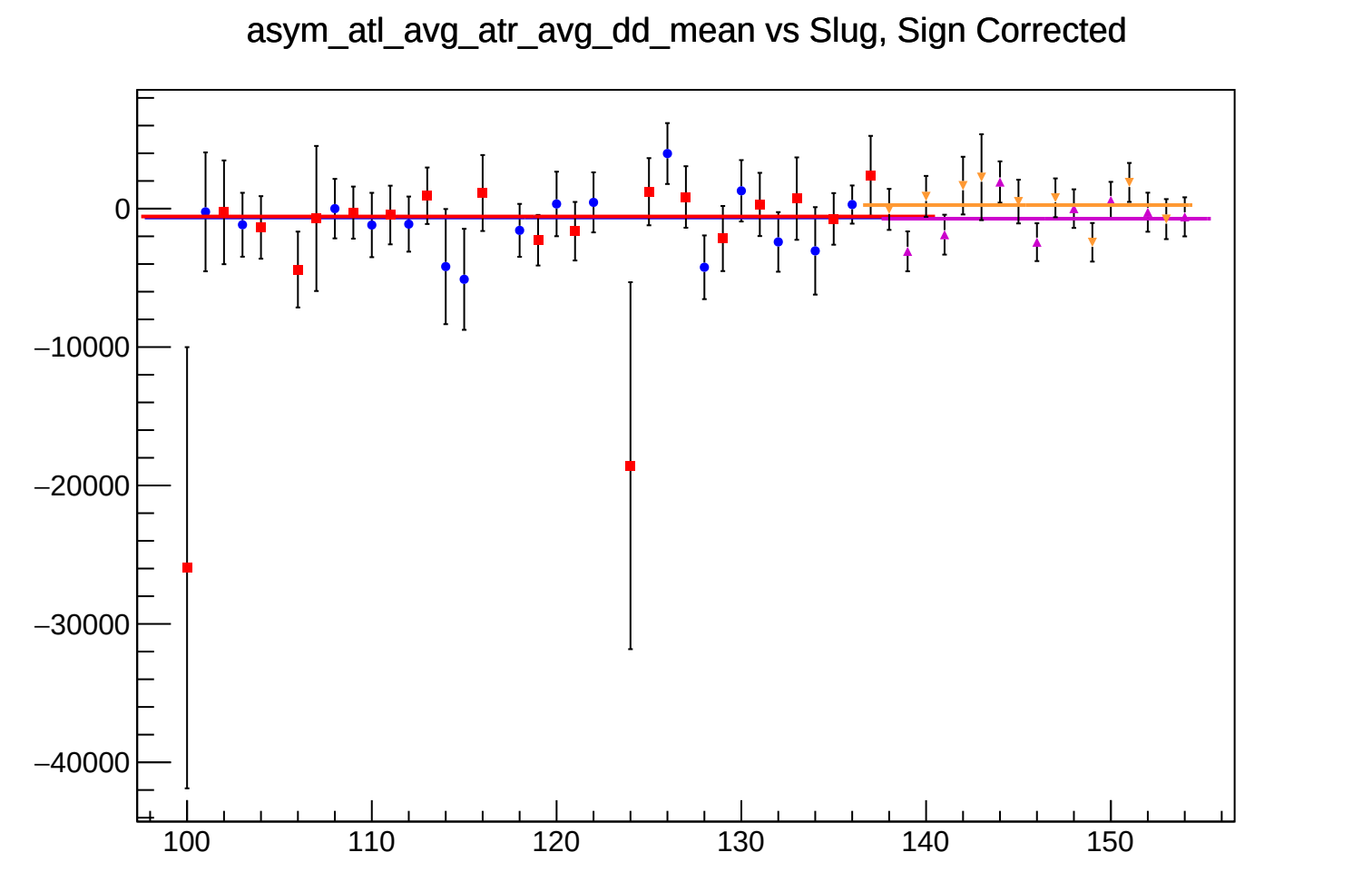
Left: 326.595+/-0.065 χ^2/NDF: 2507547.3/16

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 352.321+/-0.073 χ^2/NDF:4894396.7/23

Out: 342.476+/-0.073 χ^2/NDF:6760879.2/27

All: 347.401+/-0.052 χ^2/NDF: 11664389.7/51



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 258.777+/-523.086 χ^2/NDF:6.8/8

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -728.016+/-498.792 χ^2/NDF:9.4/7

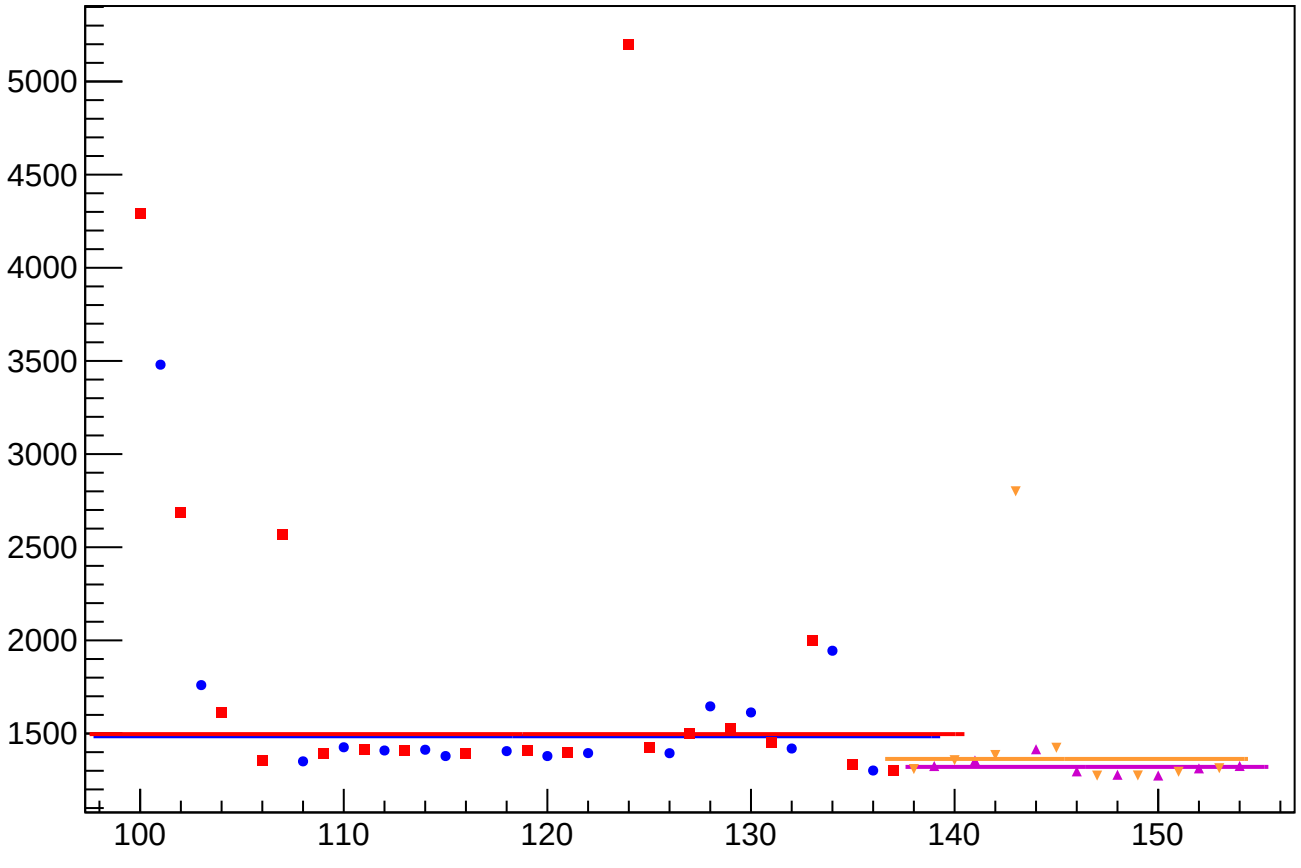
Left: -258.066+/-360.982 χ^2/NDF: 18.1/16

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -689.778+/-373.743 χ^2/NDF:21.9/23

Out: -121.179+/-384.396 χ^2/NDF:19.3/27

All: -413.466+/-267.963 χ^2/NDF: 42.3/51



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: 1320.924+/-0.353 χ^2/NDF:14124.2/7

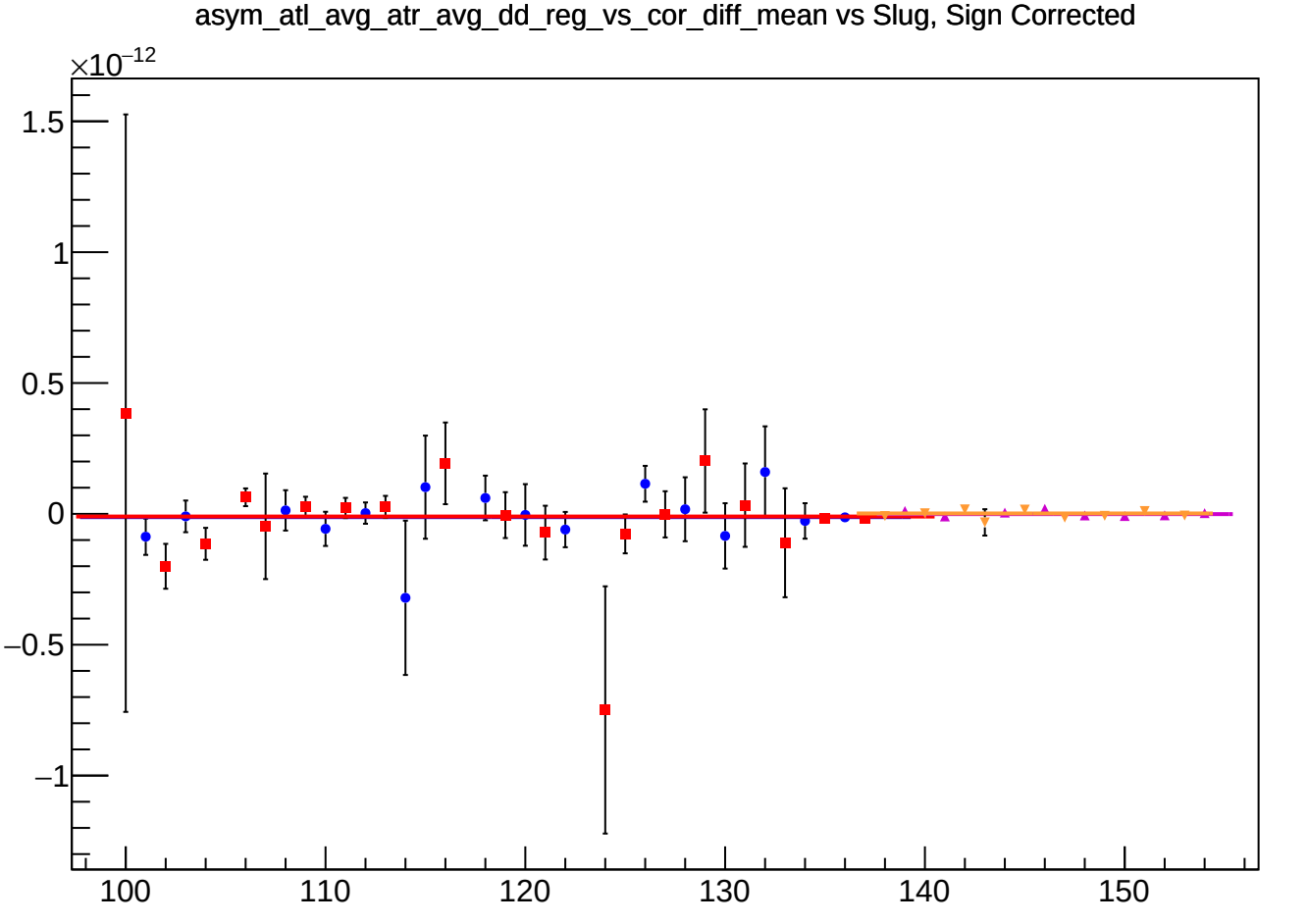
Left: 1341.285+/-0.255 χ^2/NDF: 478955.4/16

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1393.043+/-0.264 χ^2/NDF:693931.3/23

Out: 1424.941+/-0.272 χ^2/NDF:1140769.4/27

All: 1408.544+/-0.189 χ^2/NDF: 1841780.1/51



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:9.0/7

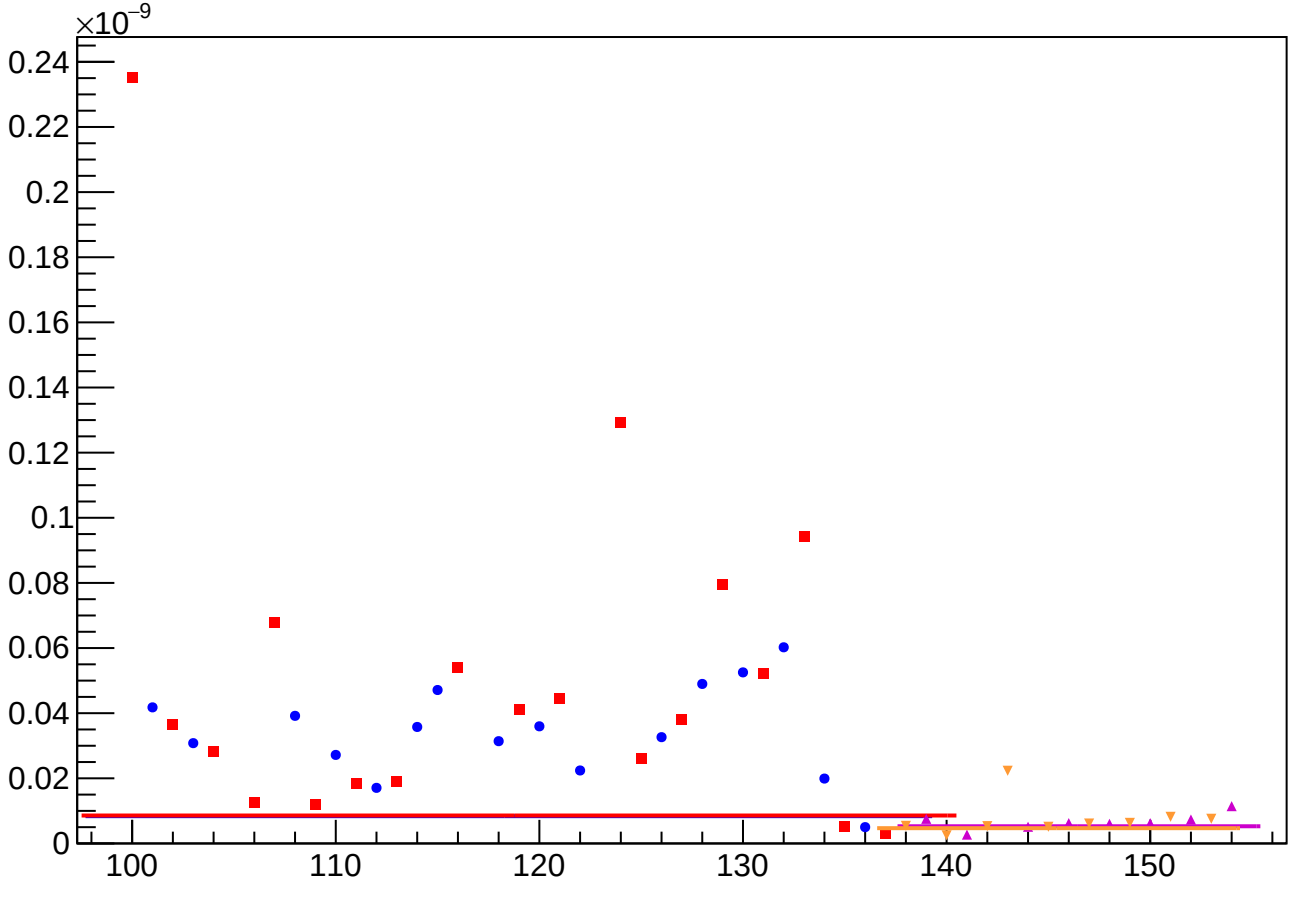
Left: 0.000+/-0.000 χ^2/NDF: 19.6/16

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.4/23

Out: 0.000+/-0.000 χ^2/NDF:34.4/27

All: -0.000+/-0.000 χ^2/NDF: 55.3/51



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:810675.9/7

Left: 0.000+/-0.000 χ^2/NDF: 1859636.0/16

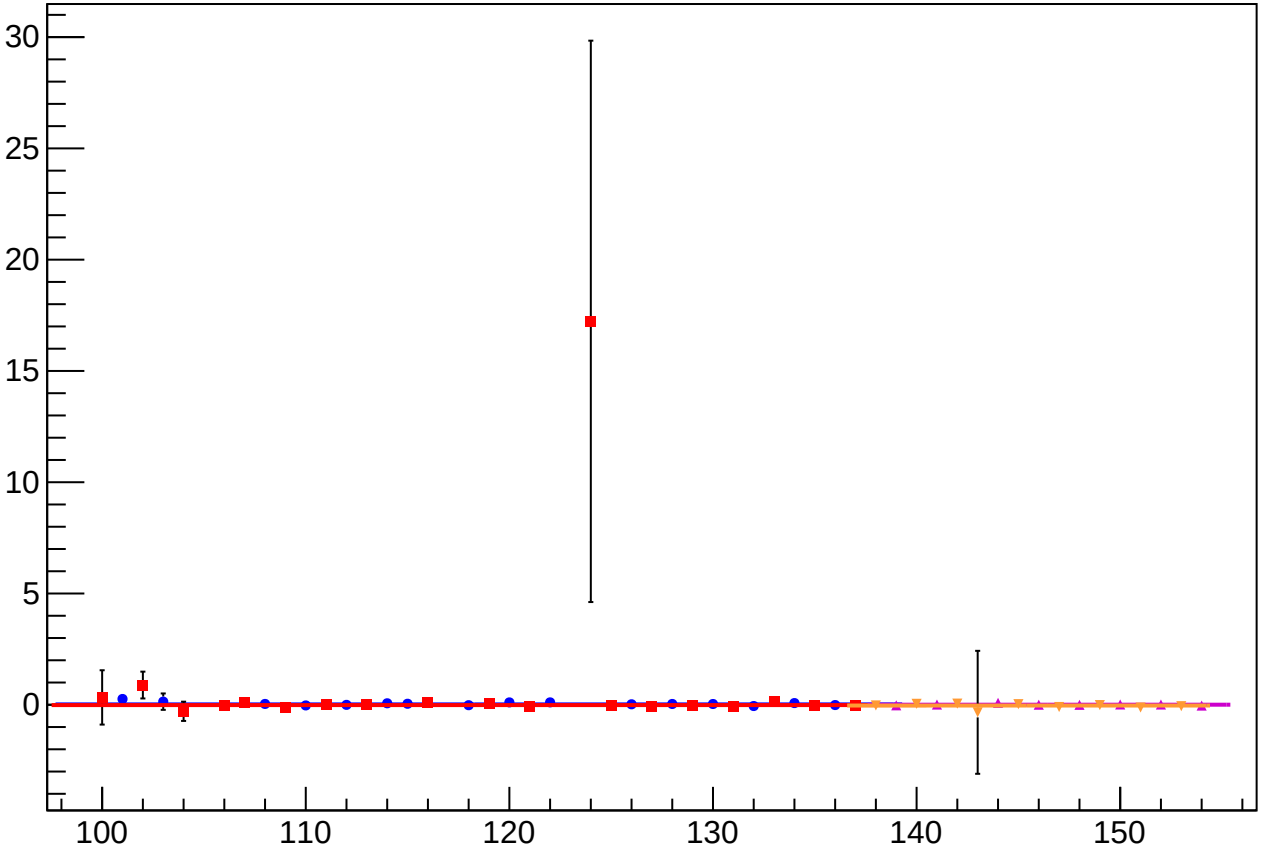
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4161024.4/23

Out: 0.000+/-0.000 χ^2/NDF:4773298.0/27

All: 0.000+/-0.000 χ^2/NDF: 8975770.9/51

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: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.015+/-0.010 χ^2/NDF: 22.8/16

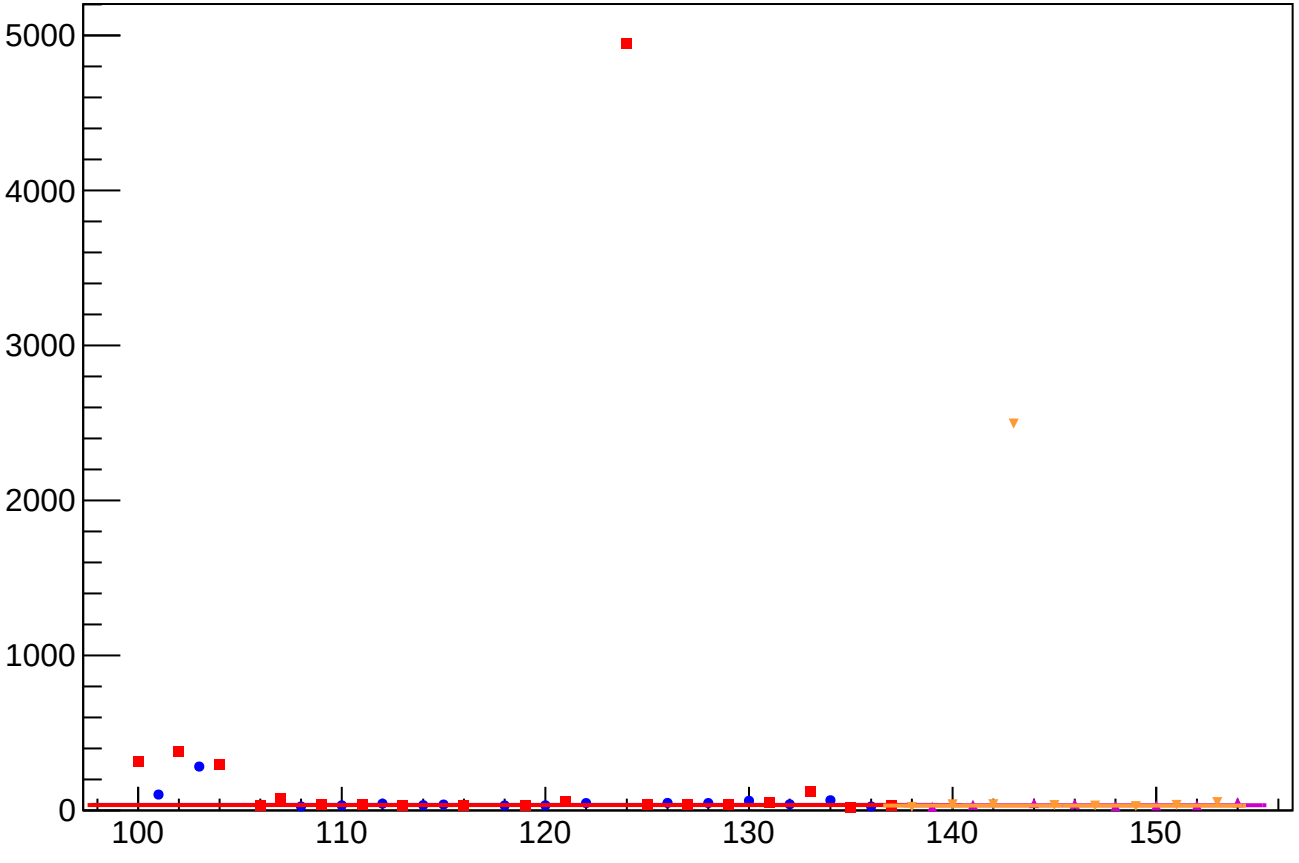
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.008+/-0.007 χ^2/NDF: 53.5/51

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: 33.711+/-0.010 χ^2/NDF:717419.2/7

Left: 32.628+/-0.007 χ^2/NDF: 2955635.7/16

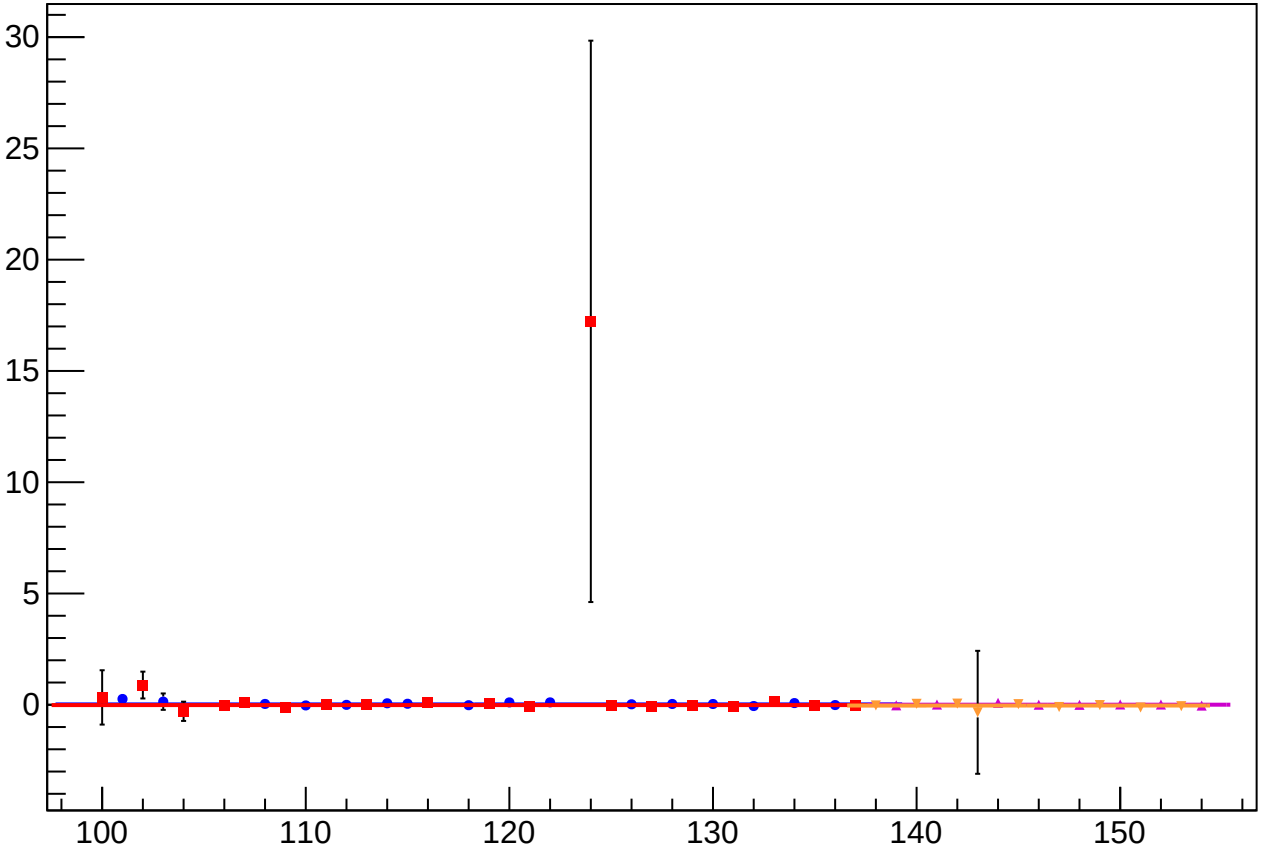
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.634+/-0.007 χ^2/NDF:3001059.3/23

Out: 33.001+/-0.007 χ^2/NDF:5176533.6/27

All: 33.818+/-0.005 χ^2/NDF: 8202168.2/51

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: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.015+/-0.010 χ^2/NDF: 22.8/16

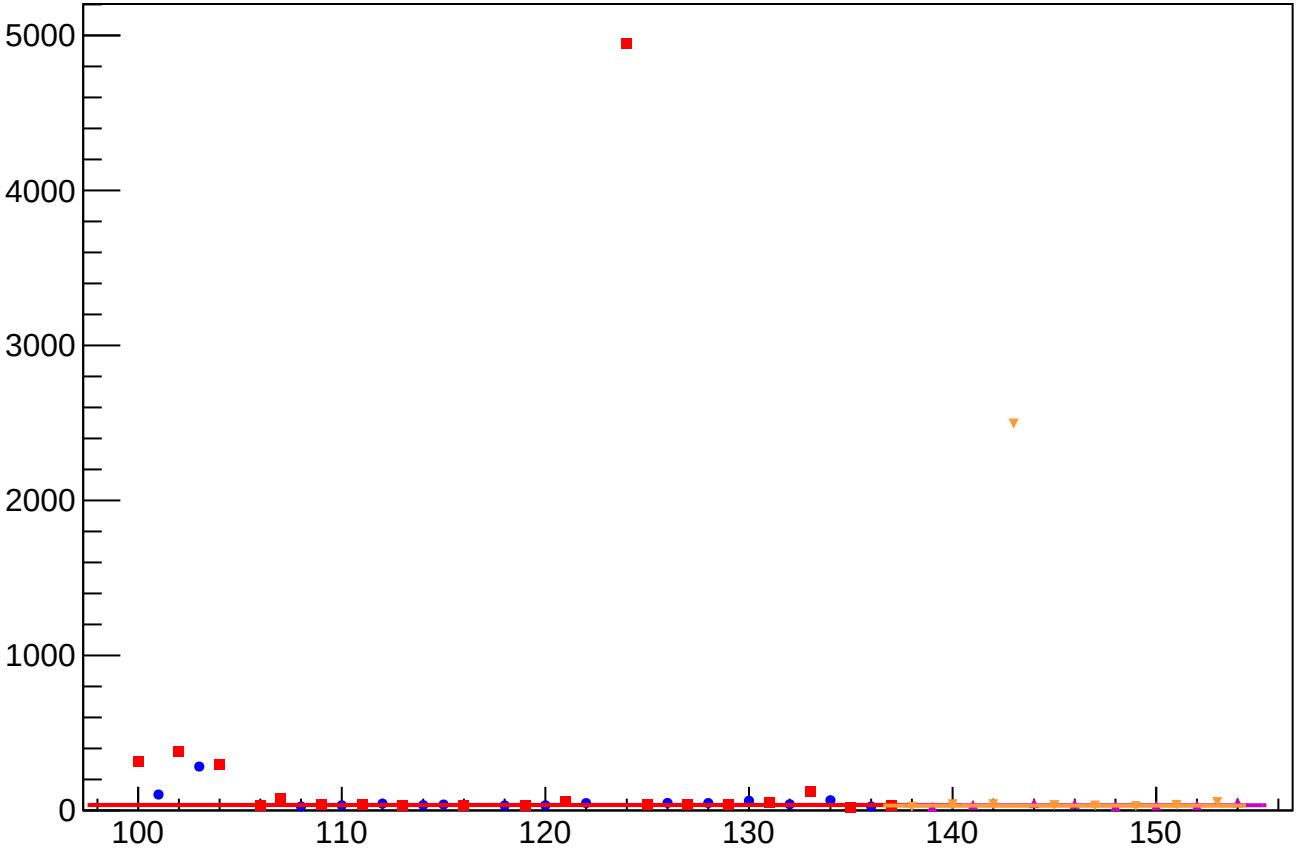
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.008+/-0.007 χ^2/NDF: 53.5/51

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.564+/-0.010 χ^2/NDF:2214818.7/8

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.711+/-0.010 χ^2/NDF:717419.2/7

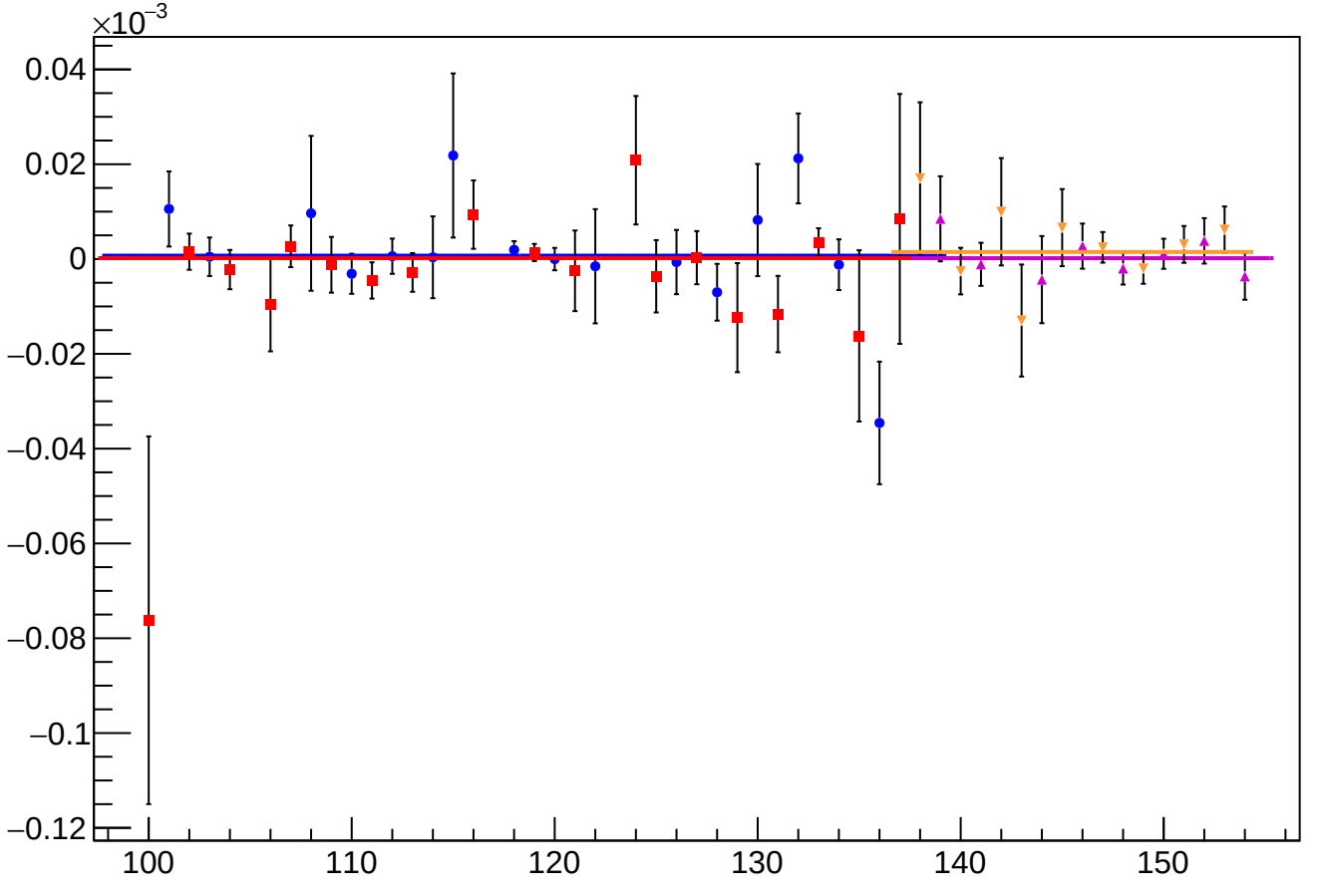
Left: 32.628+/-0.007 χ^2/NDF: 2955635.7/16

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.634+/-0.007 χ^2/NDF:3001059.3/23

Out: 33.001+/-0.007 χ^2/NDF:5176533.6/27

All: 33.818+/-0.005 χ^2/NDF: 8202168.2/51



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:3.2/7

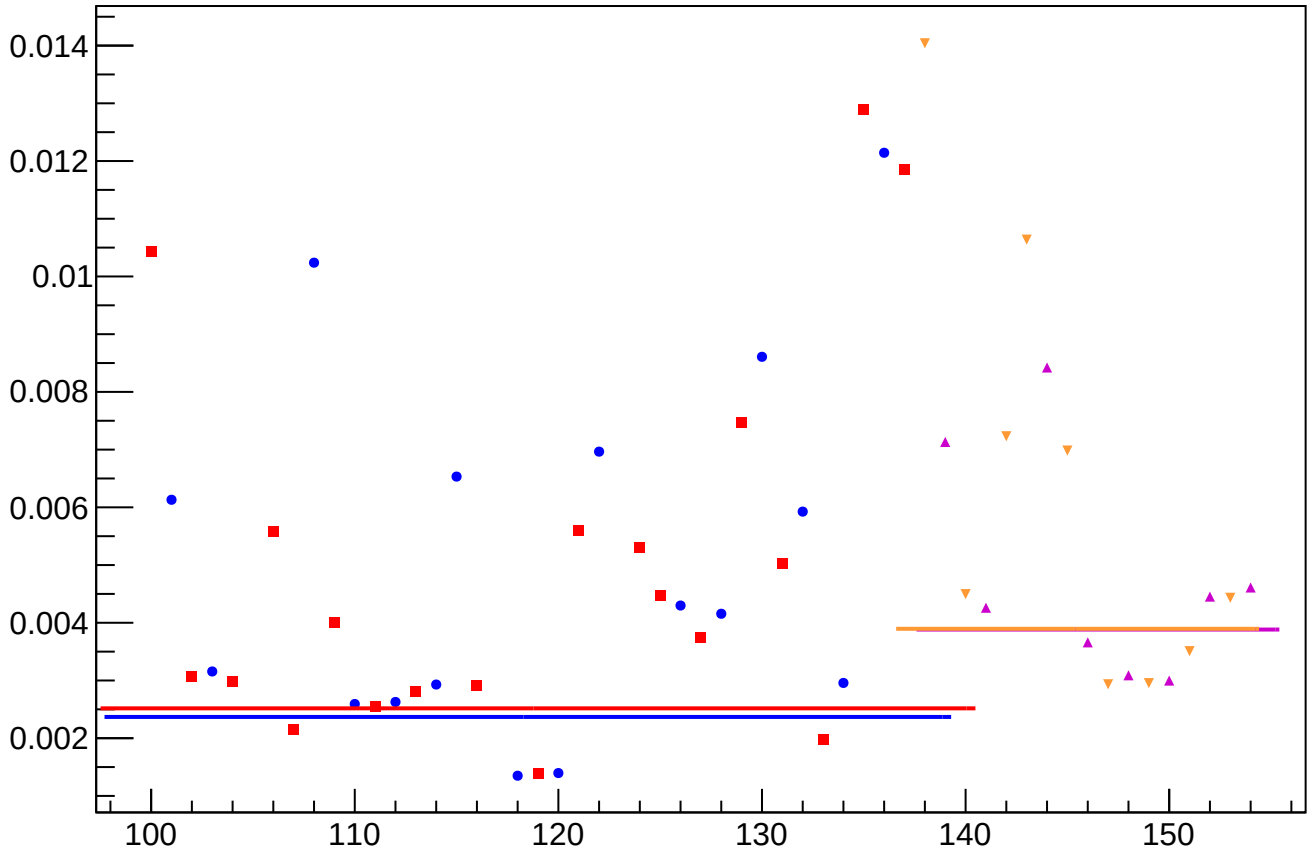
Left: 0.000+/-0.000 χ^2/NDF: 9.9/16

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:24.9/27

All: 0.000+/-0.000 χ^2/NDF: 47.3/51



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:1107084.4/7

Left: 0.004+/-0.000 χ^2/NDF: 3442854.1/16

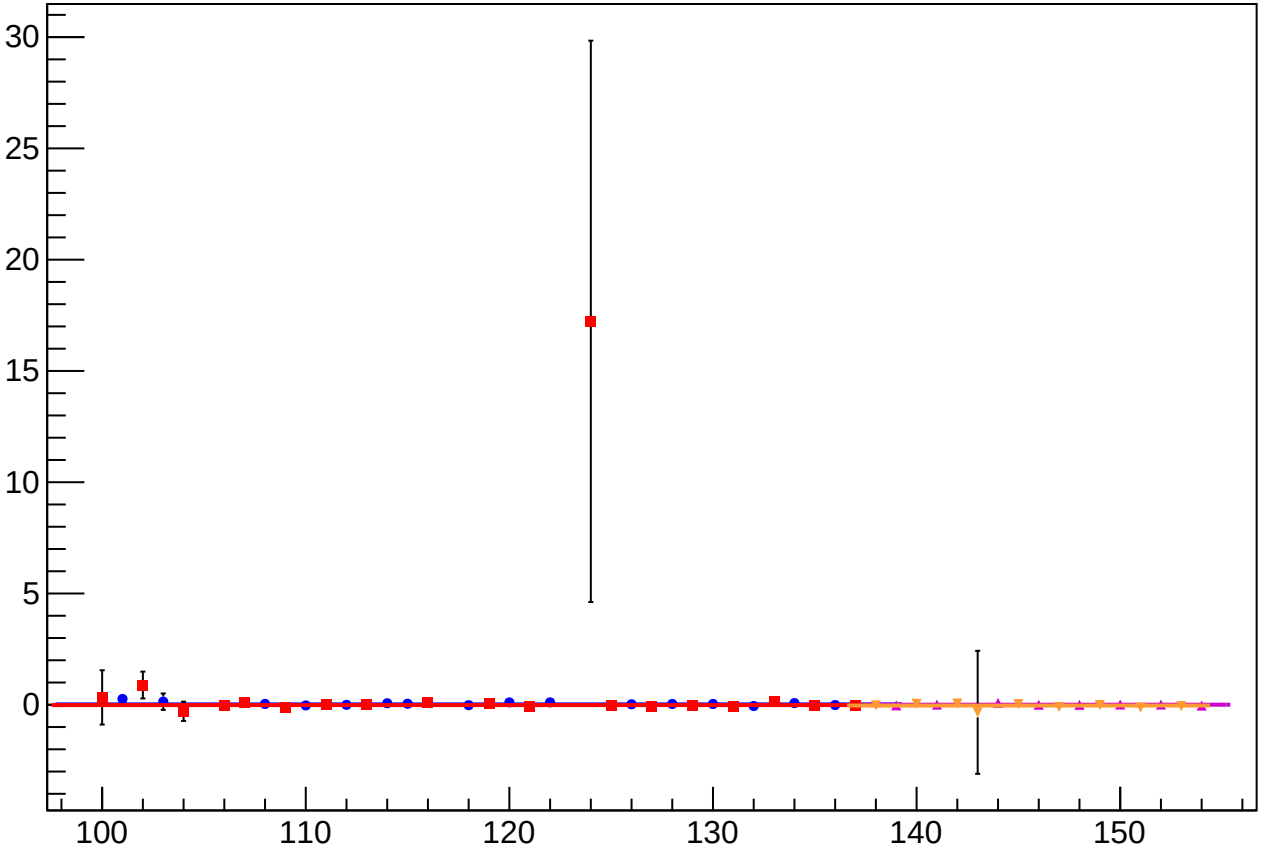
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:7037580.4/23

Out: 0.003+/-0.000 χ^2/NDF:6733200.0/27

All: 0.003+/-0.000 χ^2/NDF: 13777086.7/51

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: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.015+/-0.010 χ^2/NDF: 22.8/16

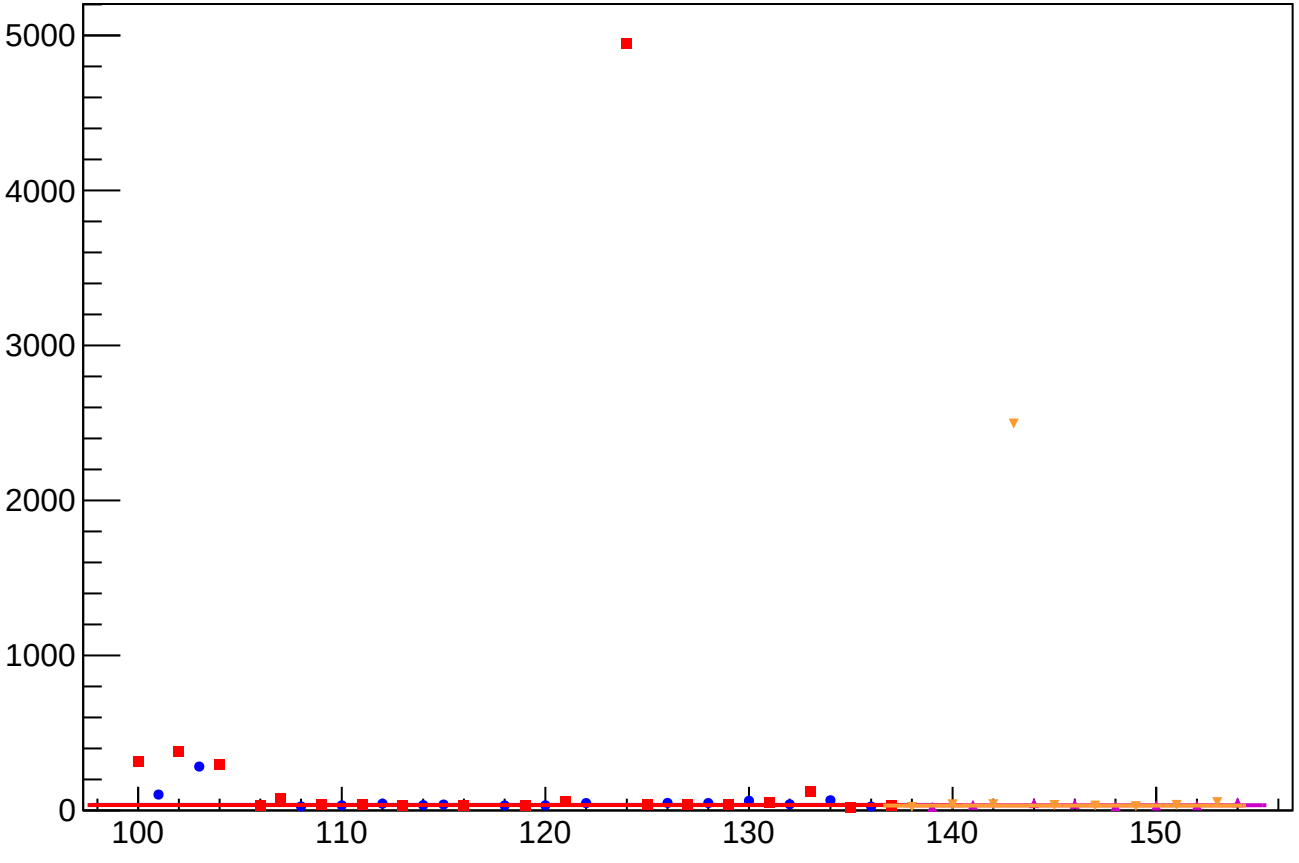
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.008+/-0.007 χ^2/NDF: 53.5/51

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: 33.709+/-0.010 χ^2/NDF:717819.4/7

Left: 32.627+/-0.007 χ^2/NDF: 2956250.8/16

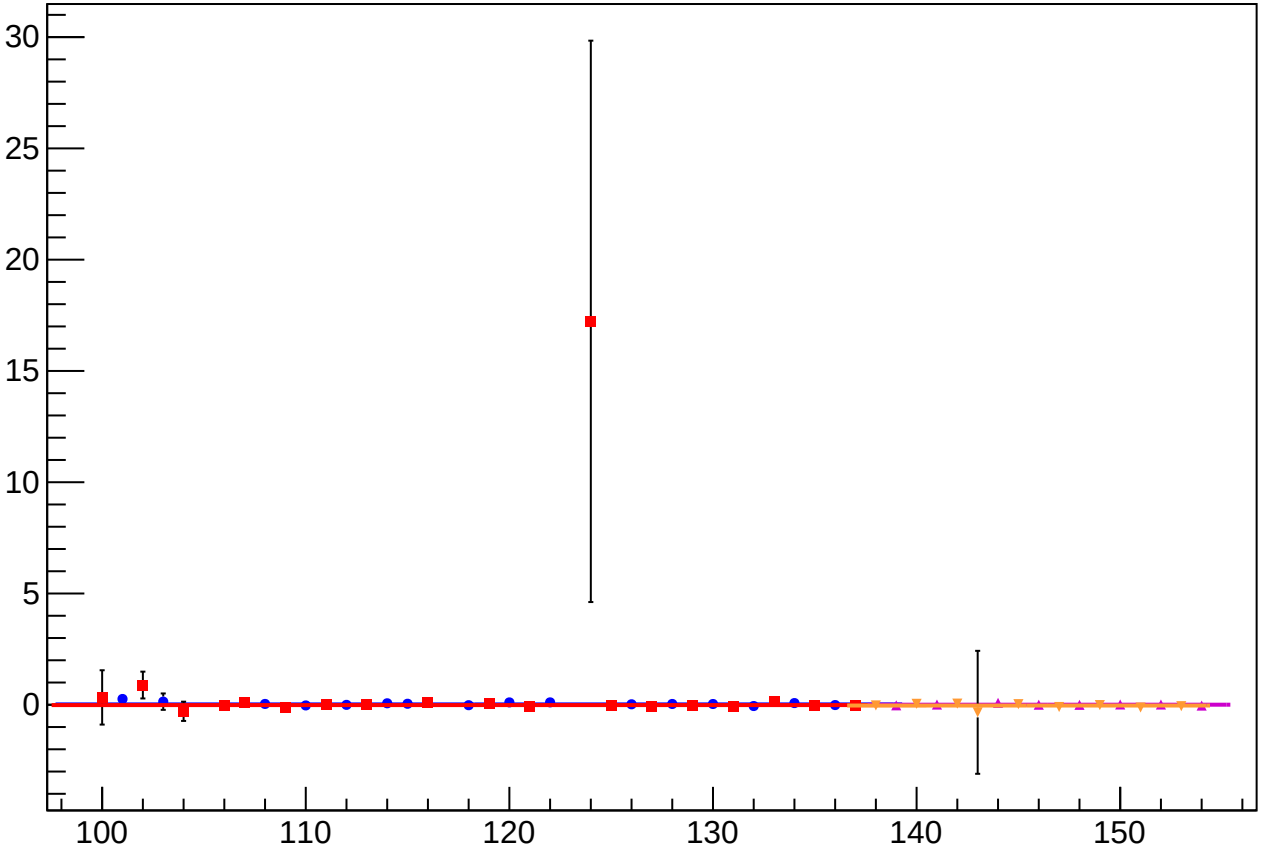
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.634+/-0.007 χ^2/NDF:3001249.9/23

Out: 33.002+/-0.007 χ^2/NDF:5176646.5/27

All: 33.818+/-0.005 χ^2/NDF: 8202447.0/51

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: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.015+/-0.010 χ^2/NDF: 22.8/16

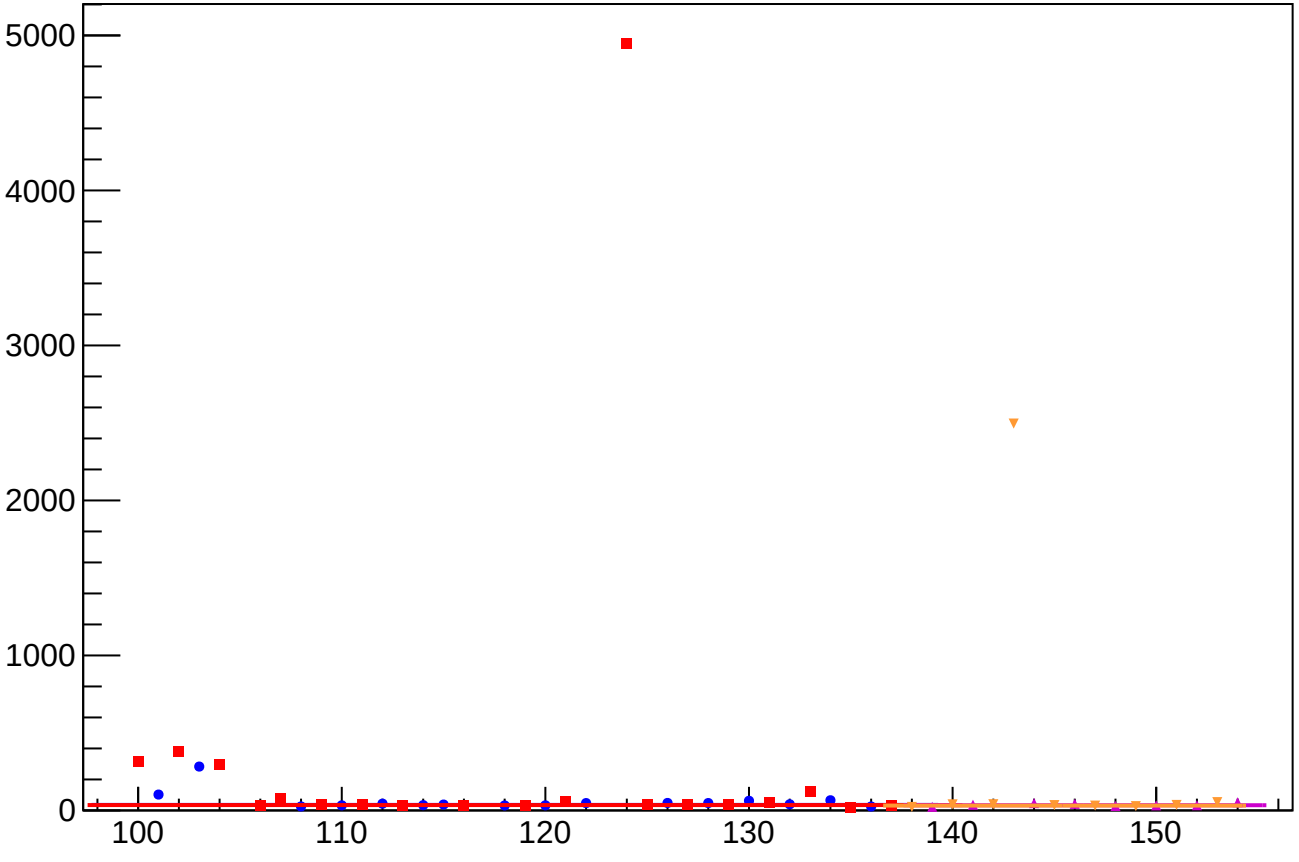
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.008+/-0.007 χ^2/NDF: 53.5/51

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: 33.709+/-0.010 χ^2/NDF:717819.4/7

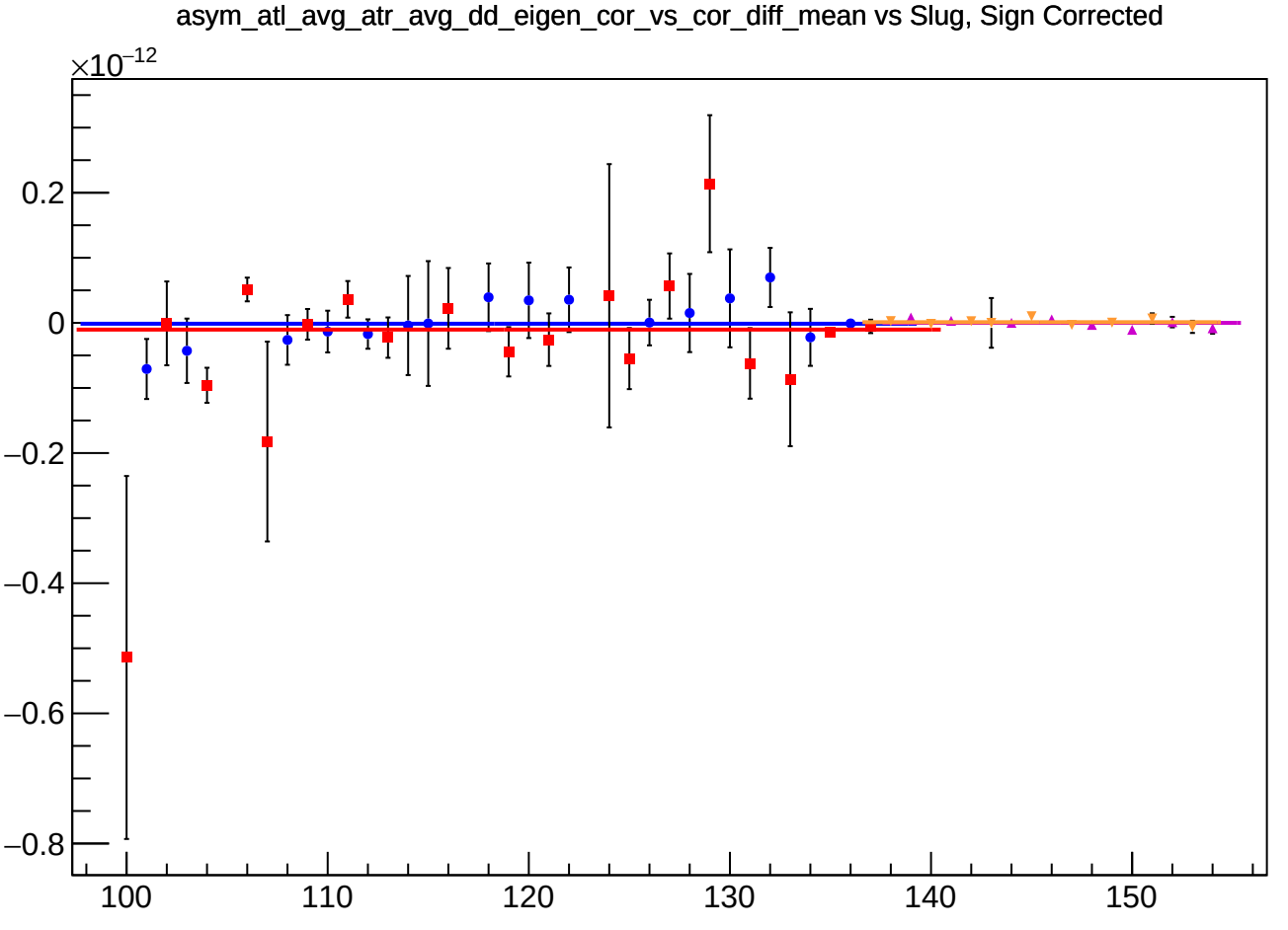
Left: 32.627+/-0.007 χ^2/NDF: 2956250.8/16

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.634+/-0.007 χ^2/NDF:3001249.9/23

Out: 33.002+/-0.007 χ^2/NDF:5176646.5/27

All: 33.818+/-0.005 χ^2/NDF: 8202447.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/7

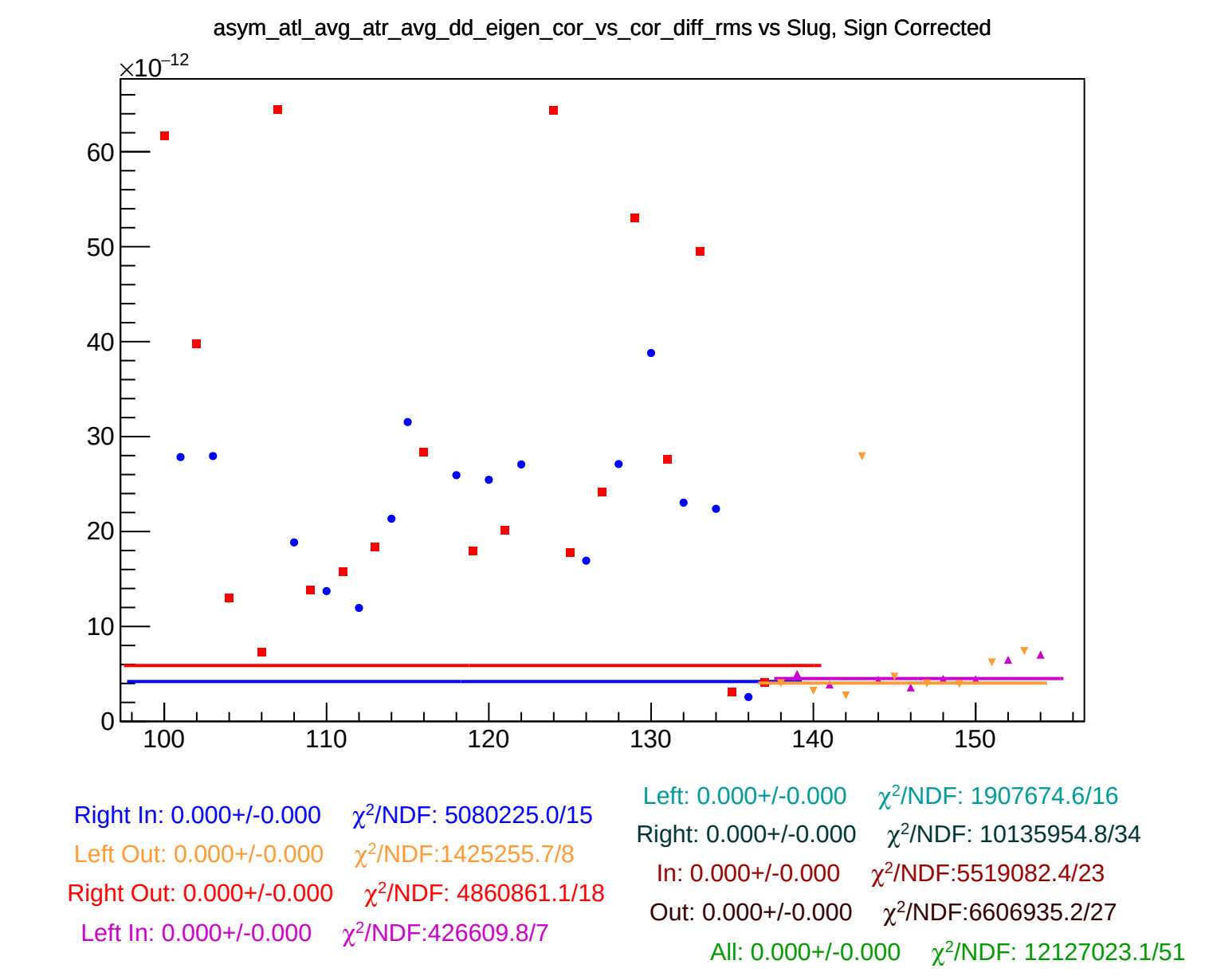
Left: 0.000+/-0.000 χ^2/NDF: 12.8/16

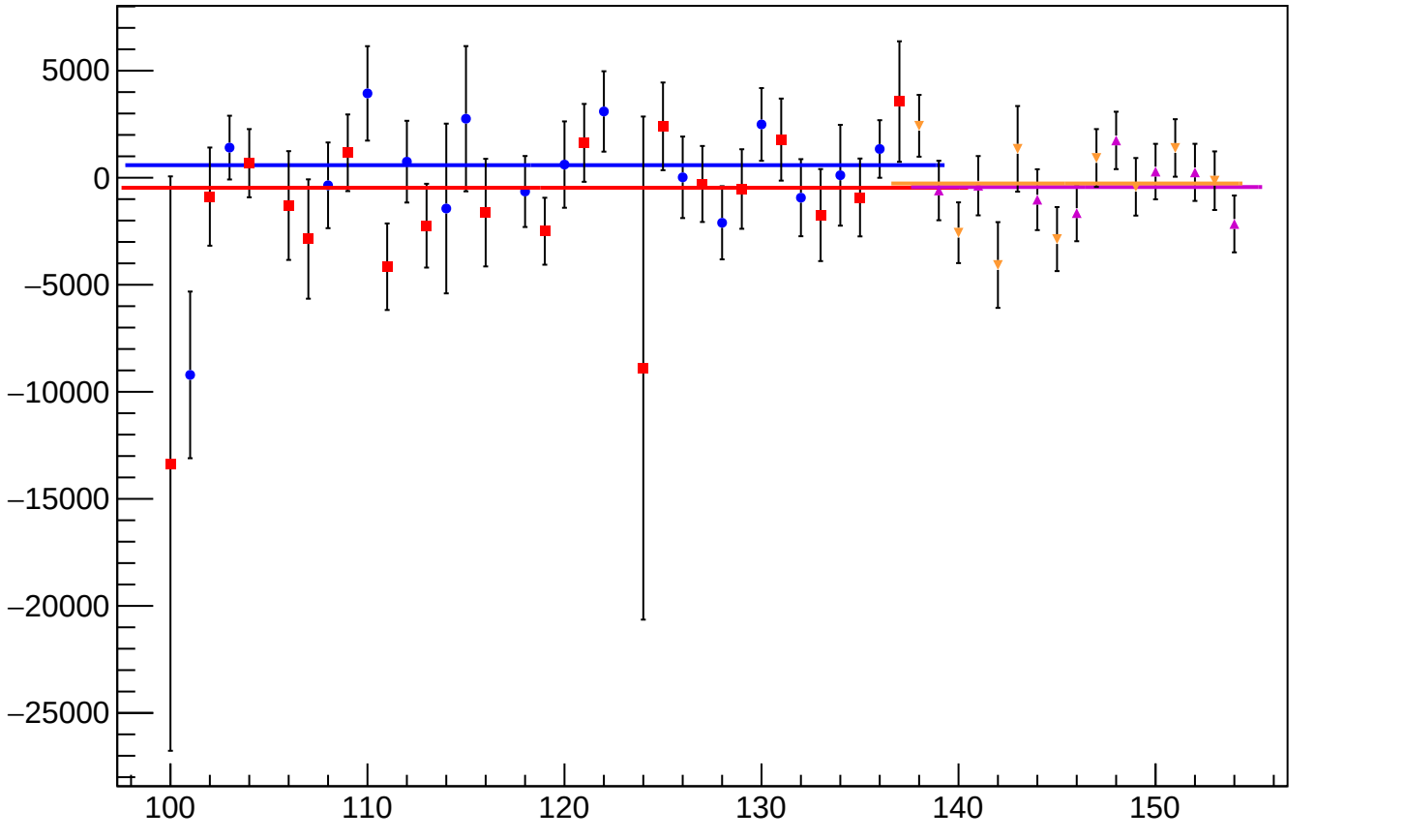
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: -0.000+/-0.000 χ^2/NDF:17.1/23

Out: -0.000+/-0.000 χ^2/NDF:50.3/27

All: -0.000+/-0.000 χ^2/NDF: 67.5/51


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
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:426609.8/7
Left: 0.000+/-0.000 χ²/NDF: 1907674.6/16
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5519082.4/23
Out: 0.000+/-0.000 χ²/NDF:6606935.2/27
All: 0.000+/-0.000 χ²/NDF: 12127023.1/51



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: -434.547+/-477.096 χ^2/NDF:5.9/7

Left: -354.217+/-342.885 χ^2/NDF: 21.7/16

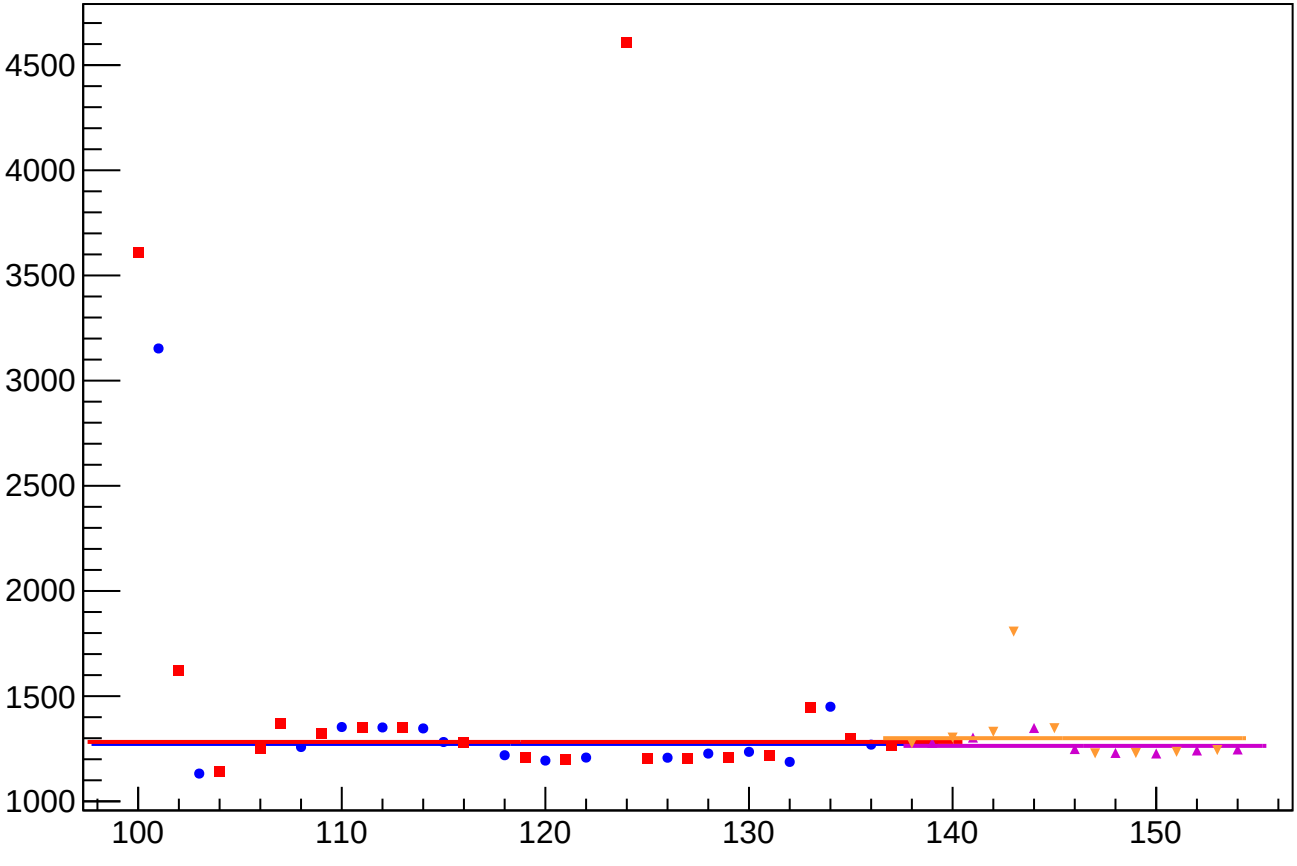
Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 70.512+/-339.229 χ^2/NDF:25.3/23

Out: -371.304+/-344.147 χ^2/NDF:32.7/27

All: -147.216+/-241.591 χ^2/NDF: 58.8/51

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

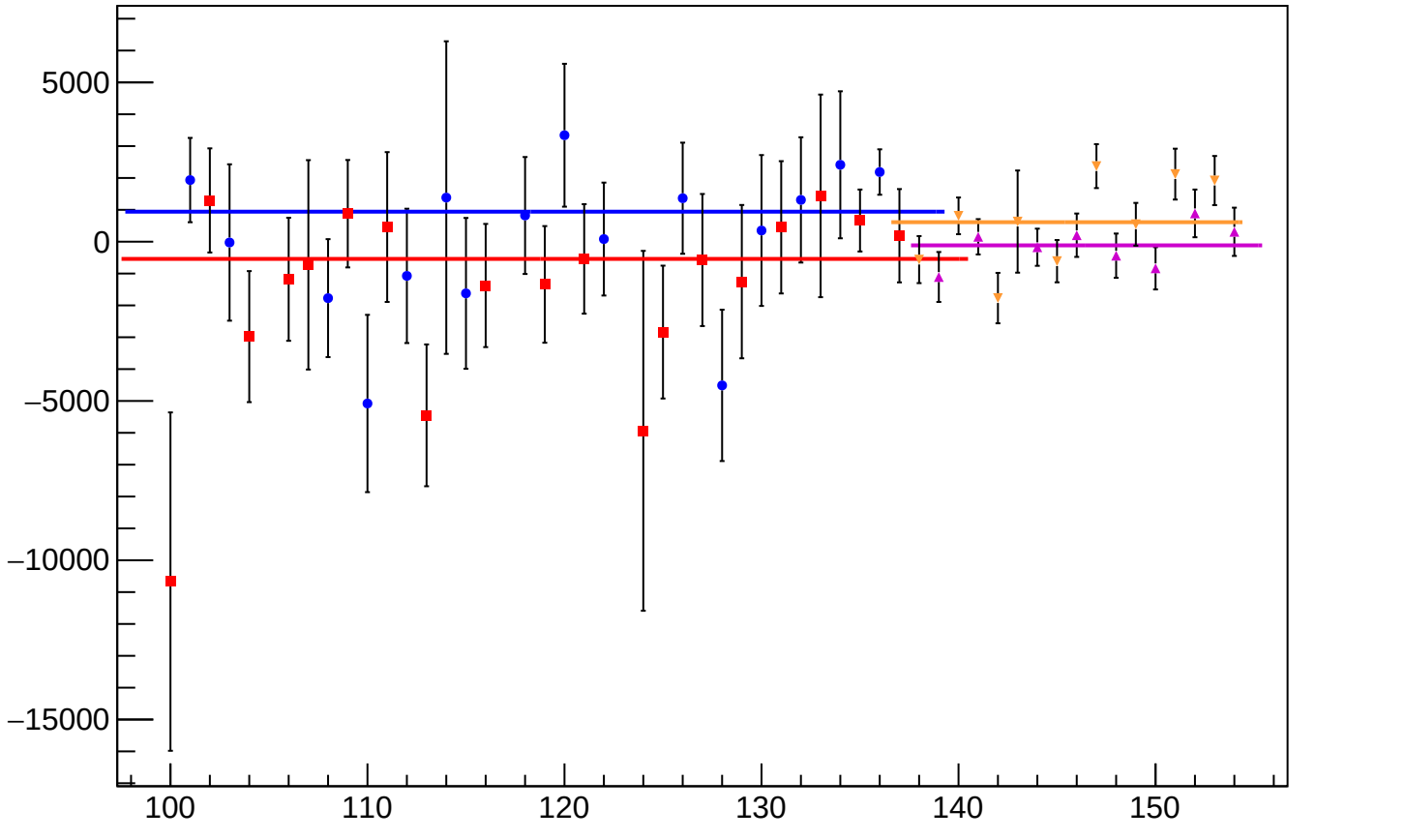
Left: 1281.292+/-0.242 χ^2/NDF: 169338.6/16

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1268.150+/-0.240 χ^2/NDF:532605.0/23

Out: 1291.050+/-0.243 χ^2/NDF:474129.7/27

All: 1279.435+/-0.171 χ^2/NDF: 1011226.2/51



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: -115.529+/-236.661 χ^2/NDF:5.6/7

Left: 235.802+/-170.175 χ^2/NDF: 38.2/16

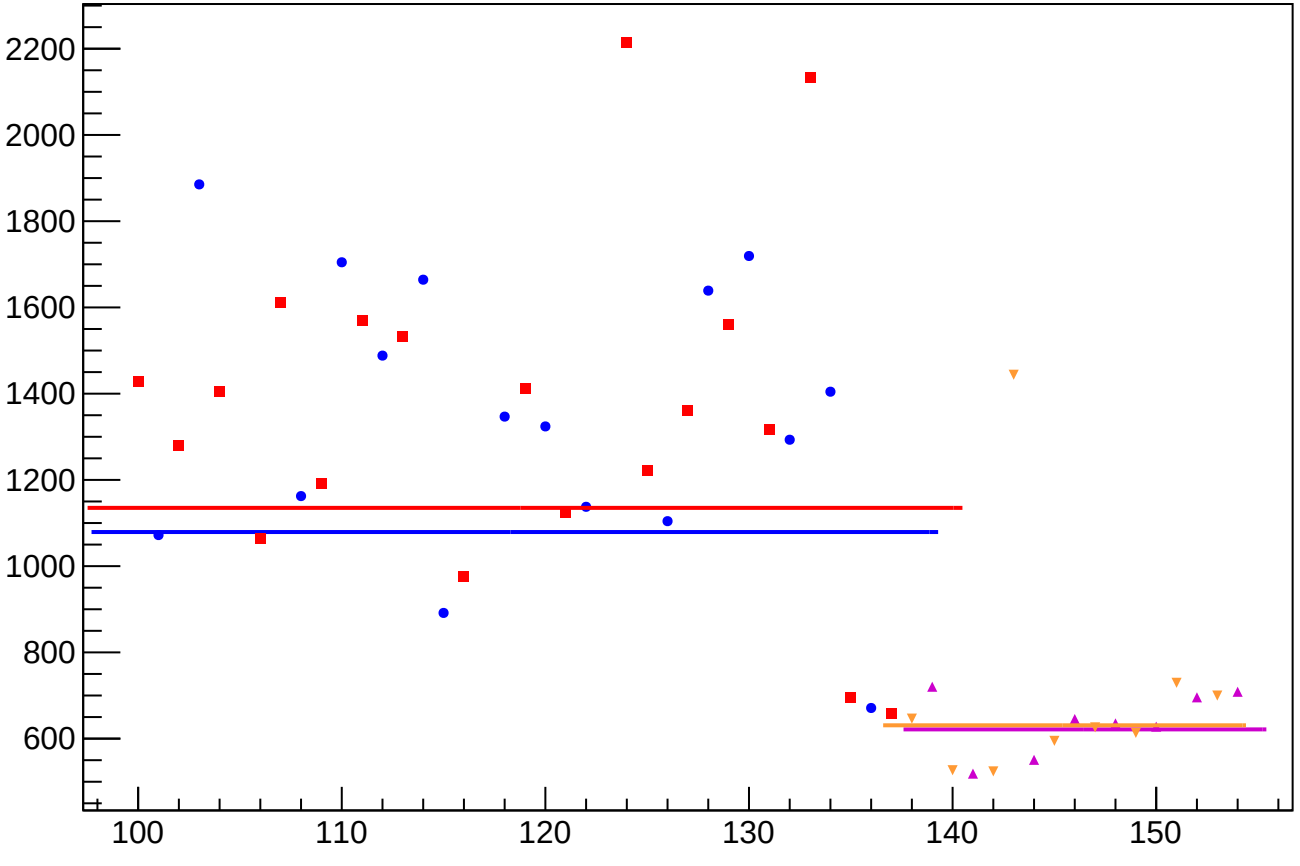
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 133.967+/-206.861 χ^2/NDF:30.2/23

Out: 339.295+/-213.961 χ^2/NDF:50.5/27

All: 233.168+/-148.720 χ^2/NDF: 81.2/51

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: 621.409+/-0.167 χ^2/NDF:179519.1/7

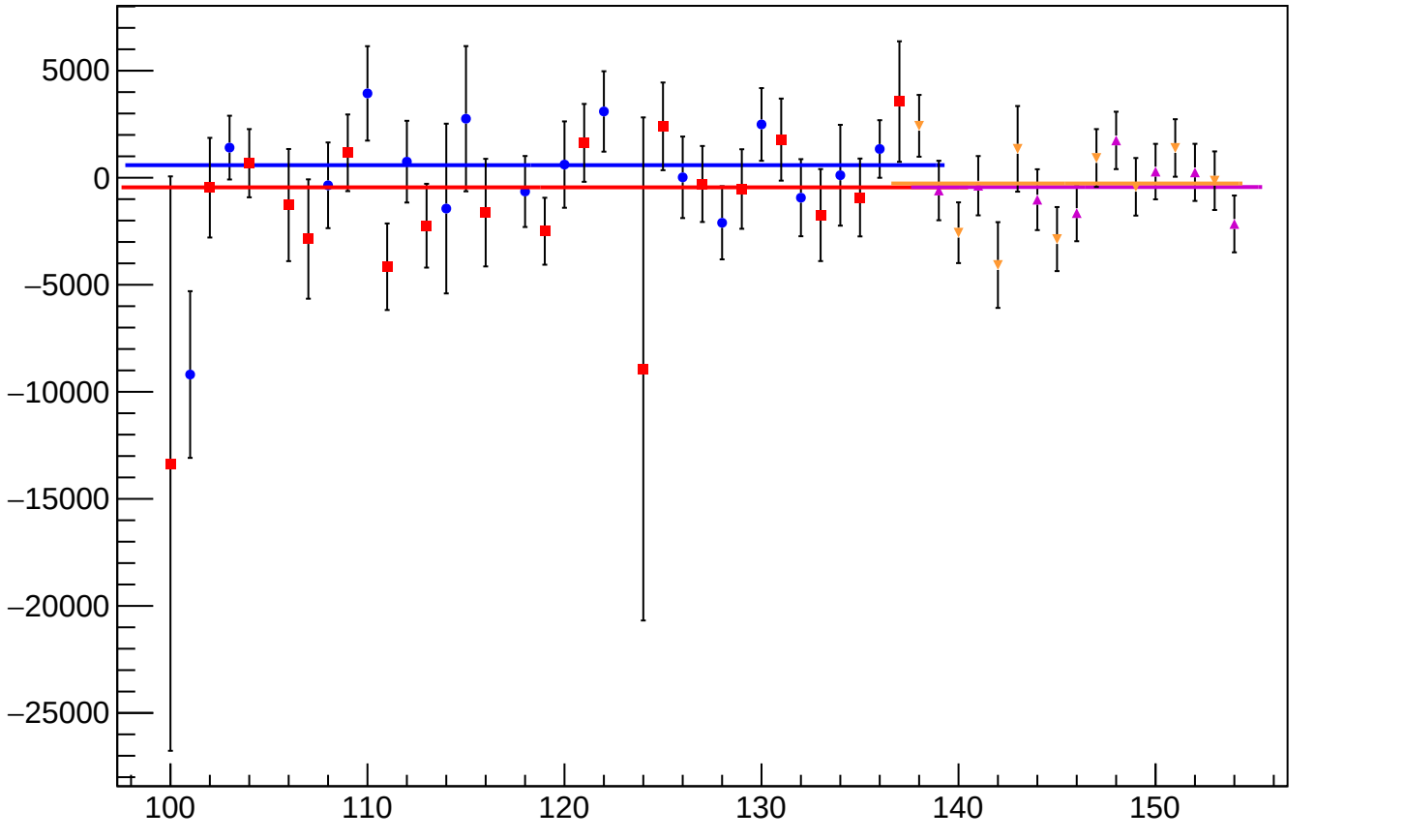
Left: 625.991+/-0.120 χ^2/NDF: 851740.7/16

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 729.418+/-0.146 χ^2/NDF:3427106.9/23

Out: 750.190+/-0.151 χ^2/NDF:3970060.7/27

All: 739.454+/-0.105 χ^2/NDF: 7406909.8/51



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: -434.553+/-477.096 χ^2/NDF:5.9/7

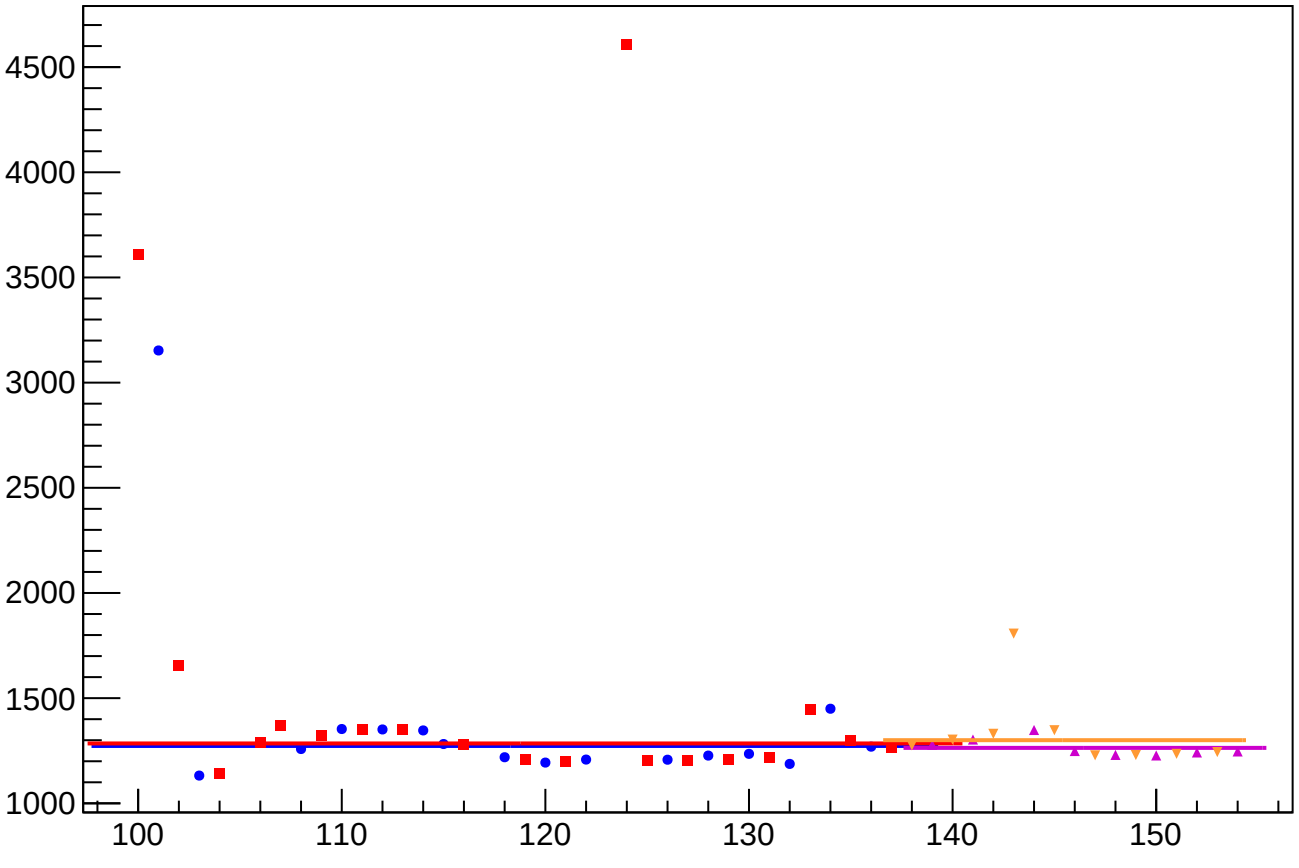
Left: -354.268+/-342.885 χ^2/NDF: 21.7/16

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 70.666+/-339.229 χ^2/NDF:25.3/23

Out: -360.632+/-344.447 χ^2/NDF:32.6/27

All: -141.691+/-241.695 χ^2/NDF: 58.7/51



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: 1263.597+/-0.337 χ^2/NDF:12938.6/7

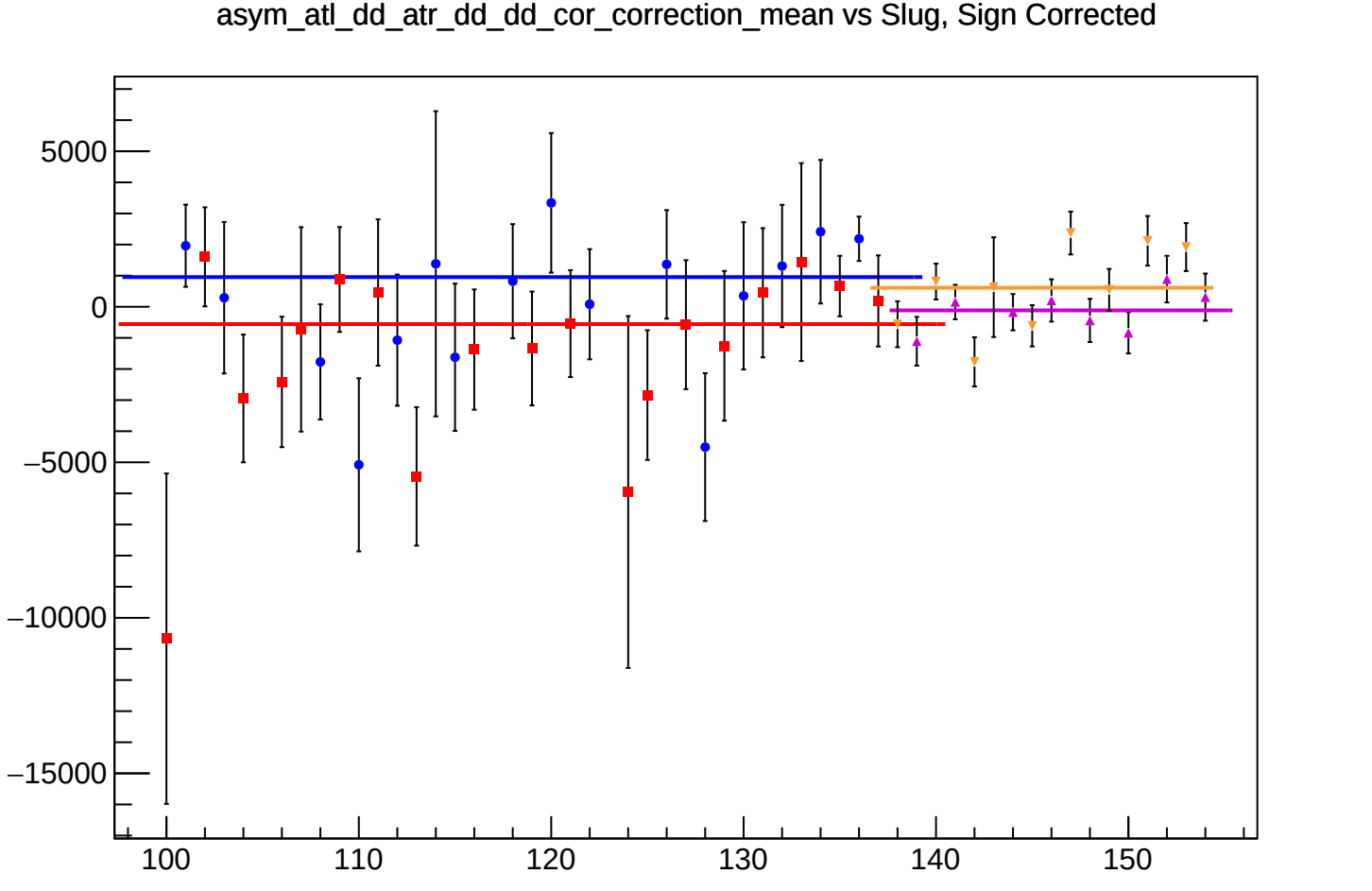
Left: 1281.292+/-0.242 χ^2/NDF: 169338.6/16

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1268.149+/-0.240 χ^2/NDF:532606.4/23

Out: 1292.237+/-0.244 χ^2/NDF:480462.0/27

All: 1280.009+/-0.171 χ^2/NDF: 1018033.5/51



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: -115.574+/-236.658 χ^2/NDF:5.6/7

Left: 235.766+/-170.175 χ^2/NDF: 38.2/16

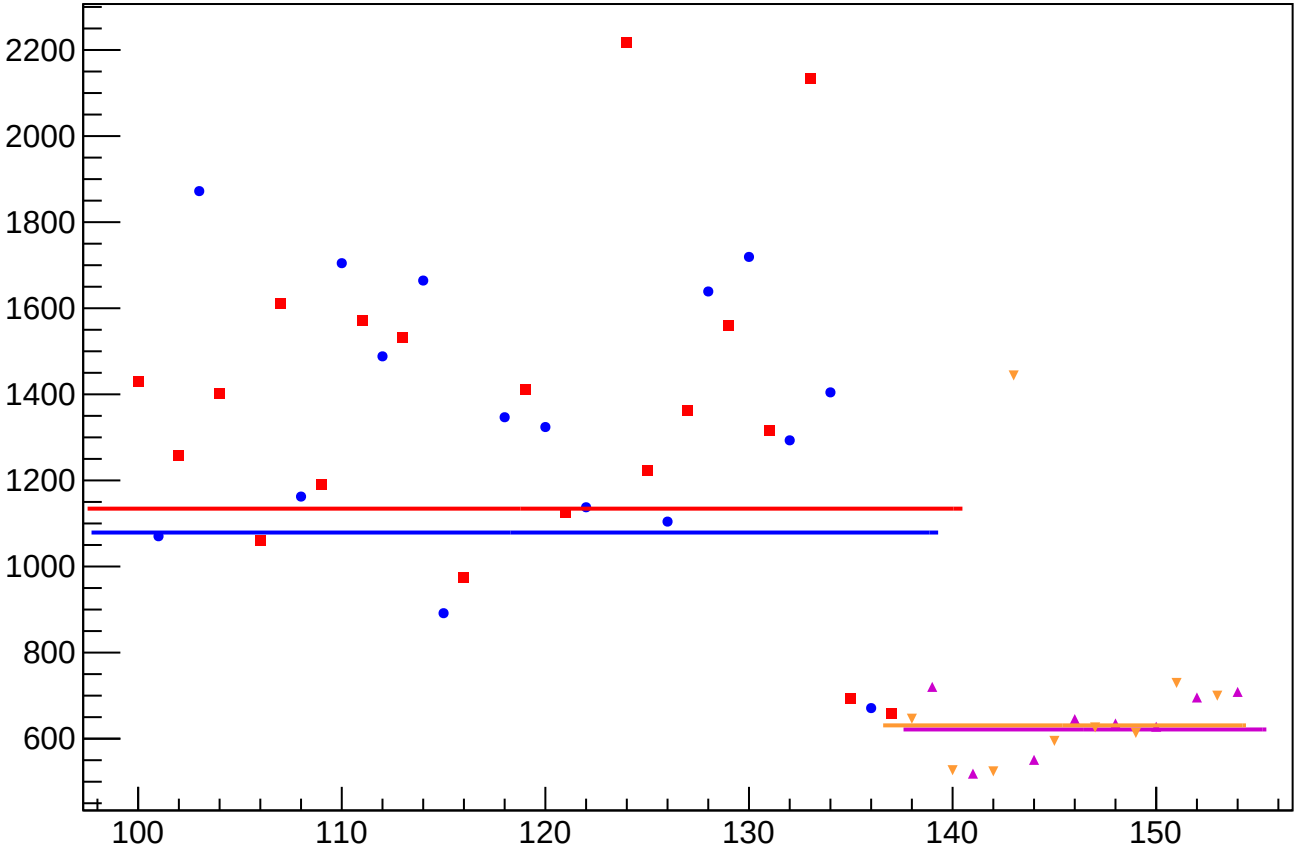
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 137.013+/-206.839 χ^2/NDF:30.3/23

Out: 336.003+/-214.061 χ^2/NDF:51.9/27

All: 233.094+/-148.745 χ^2/NDF: 82.6/51

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: 621.403+/-0.167 χ^2/NDF:179537.6/7

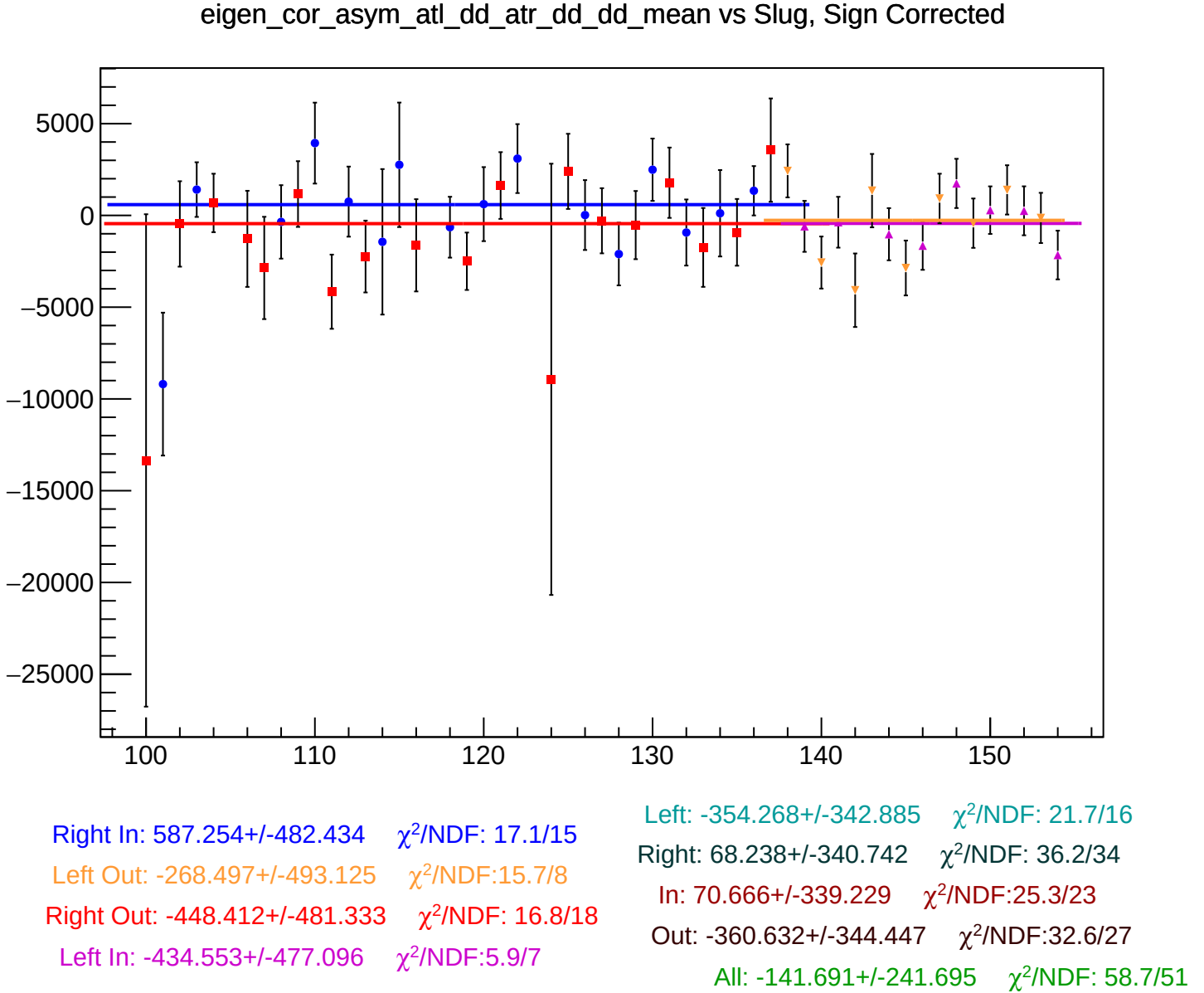
Left: 625.993+/-0.120 χ^2/NDF: 851686.1/16

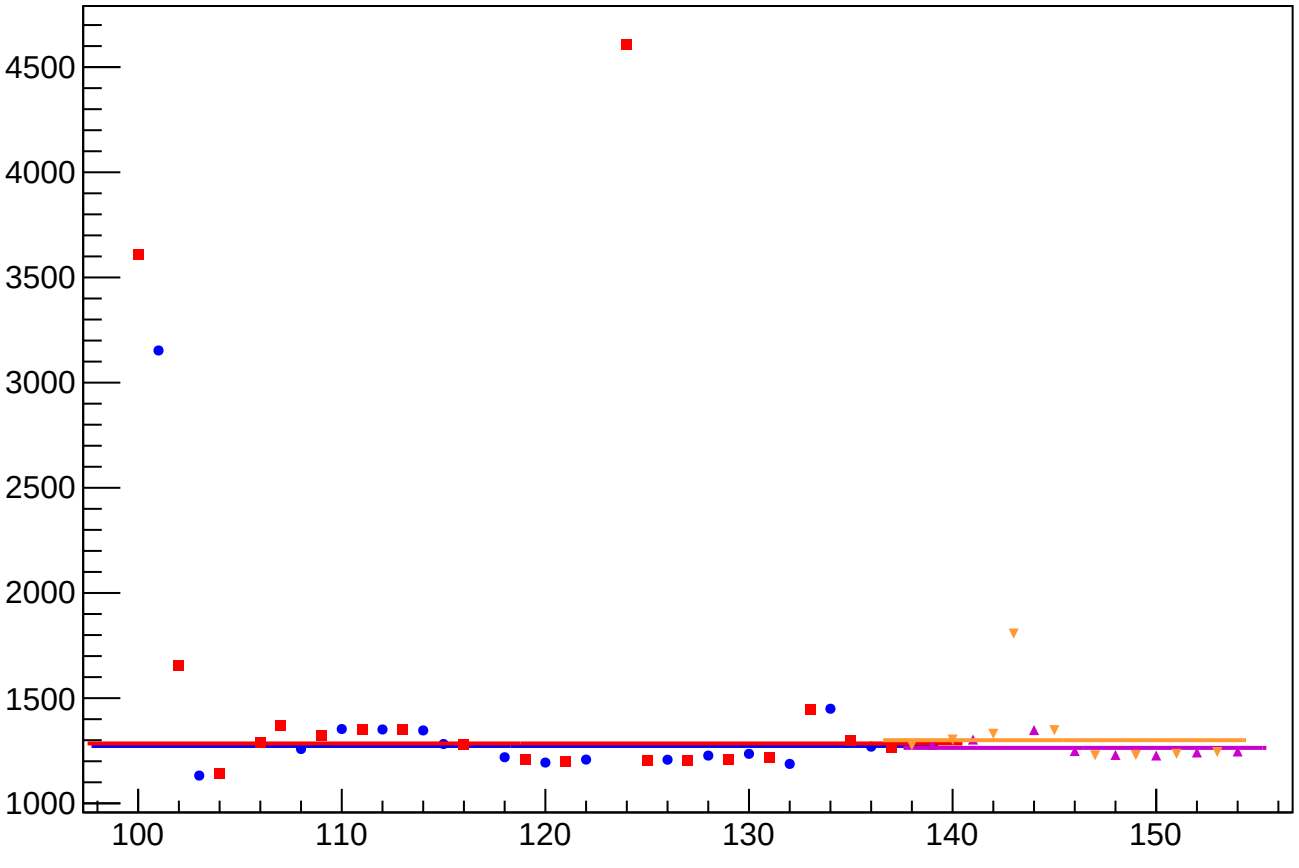
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 729.436+/-0.146 χ^2/NDF:3423335.8/23

Out: 749.674+/-0.151 χ^2/NDF:3953974.2/27

All: 739.208+/-0.105 χ^2/NDF: 7386554.3/51


eigen_cor_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: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -268.497+/-493.125 χ²/NDF:15.7/8
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -434.553+/-477.096 χ²/NDF:5.9/7
Left: -354.268+/-342.885 χ²/NDF: 21.7/16
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 70.666+/-339.229 χ²/NDF:25.3/23
Out: -360.632+/-344.447 χ²/NDF:32.6/27
All: -141.691+/-241.695 χ²/NDF: 58.7/51



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: 1263.597+/-0.337 χ^2/NDF:12938.6/7

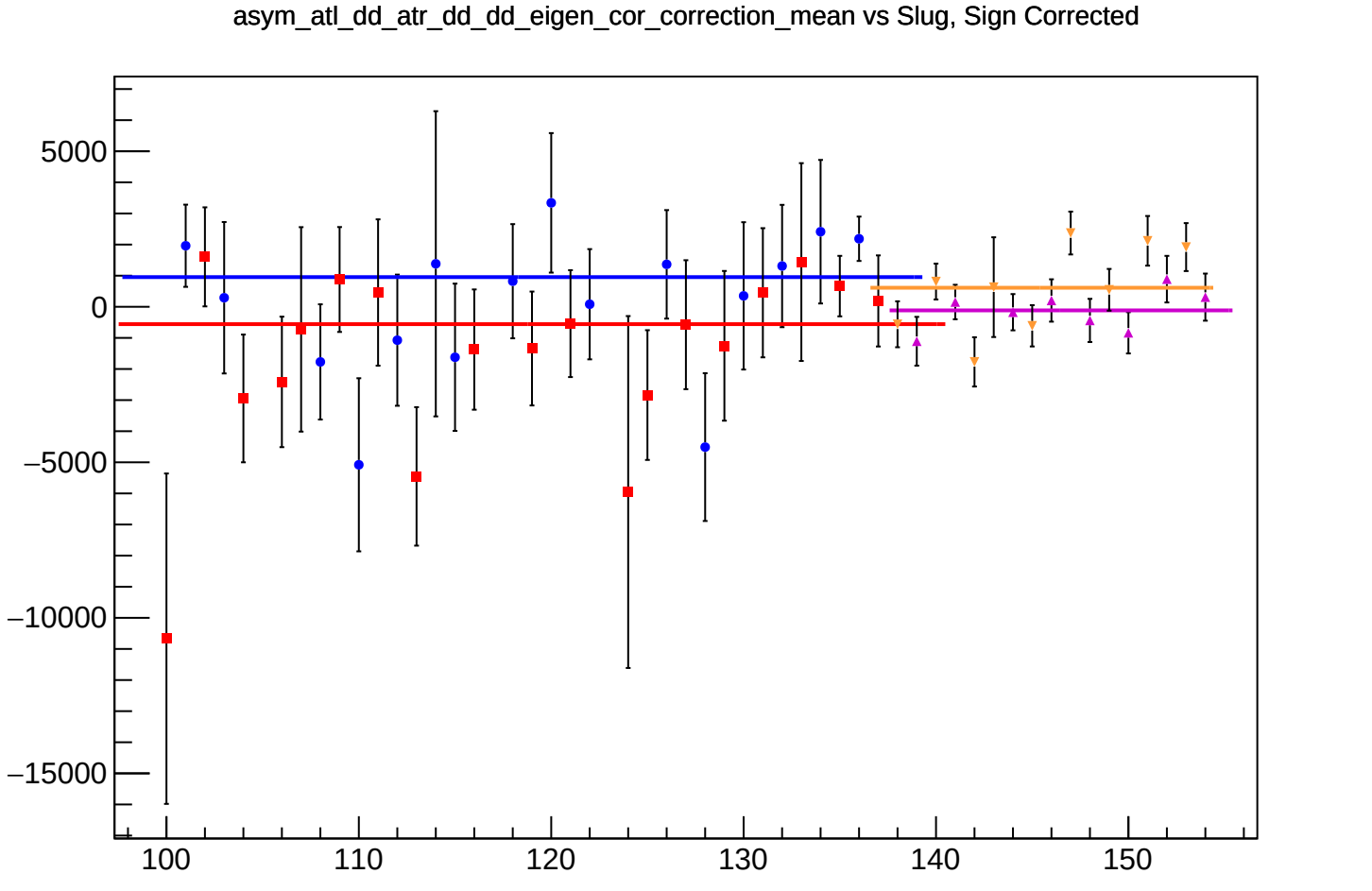
Left: 1281.292+/-0.242 χ^2/NDF: 169338.6/16

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1268.149+/-0.240 χ^2/NDF:532606.4/23

Out: 1292.237+/-0.244 χ^2/NDF:480462.0/27

All: 1280.009+/-0.171 χ^2/NDF: 1018033.5/51



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: -115.574+/-236.658 χ^2/NDF:5.6/7

Left: 235.766+/-170.175 χ^2/NDF: 38.2/16

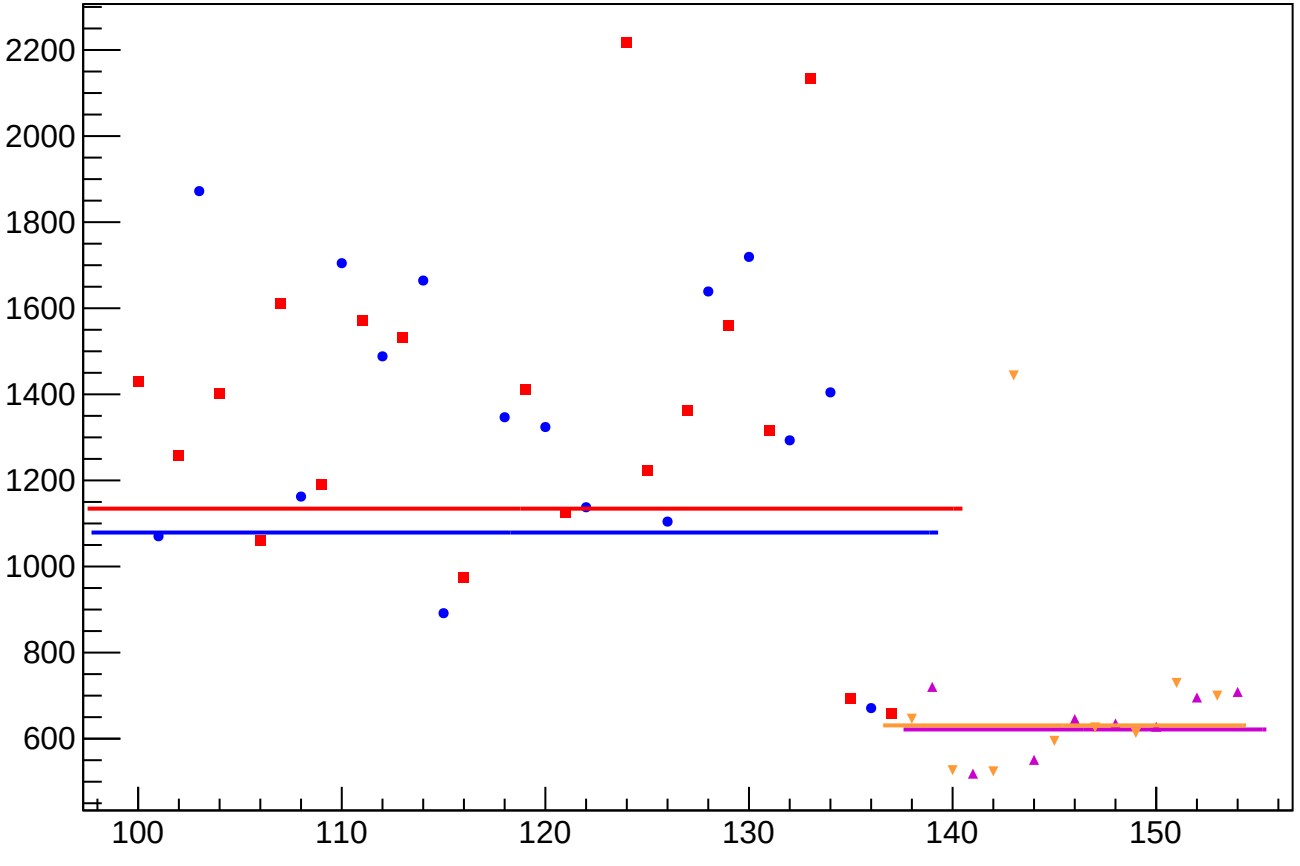
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 137.013+/-206.839 χ^2/NDF:30.3/23

Out: 336.003+/-214.061 χ^2/NDF:51.9/27

All: 233.094+/-148.745 χ^2/NDF: 82.6/51

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: 621.403+/-0.167 χ^2/NDF:179537.6/7

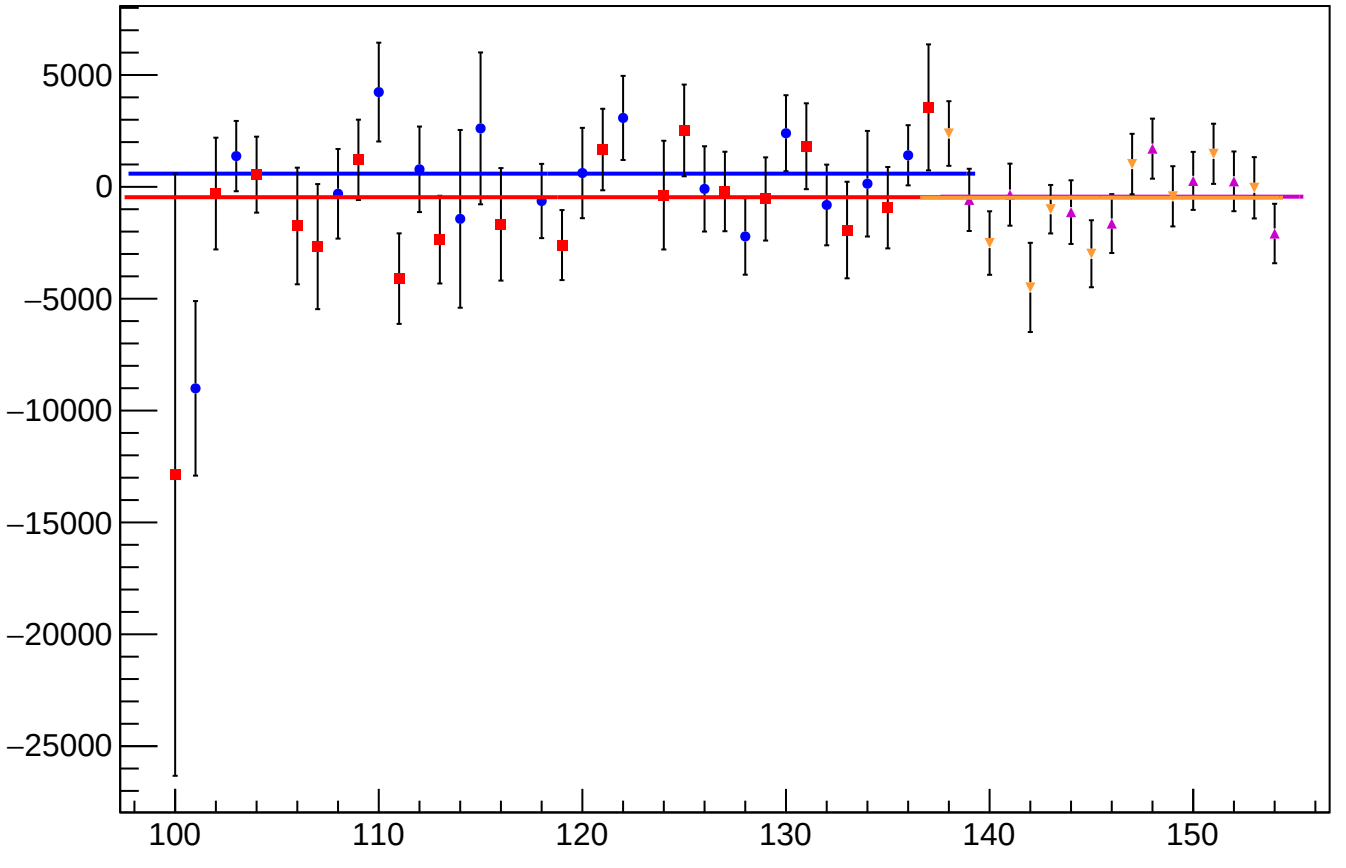
Left: 625.993+/-0.120 χ^2/NDF: 851686.1/16

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 729.436+/-0.146 χ^2/NDF:3423335.8/23

Out: 749.674+/-0.151 χ^2/NDF:3953974.2/27

All: 739.208+/-0.105 χ^2/NDF: 7386554.3/51



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: -438.861+/-477.478 χ^2/NDF:5.7/7

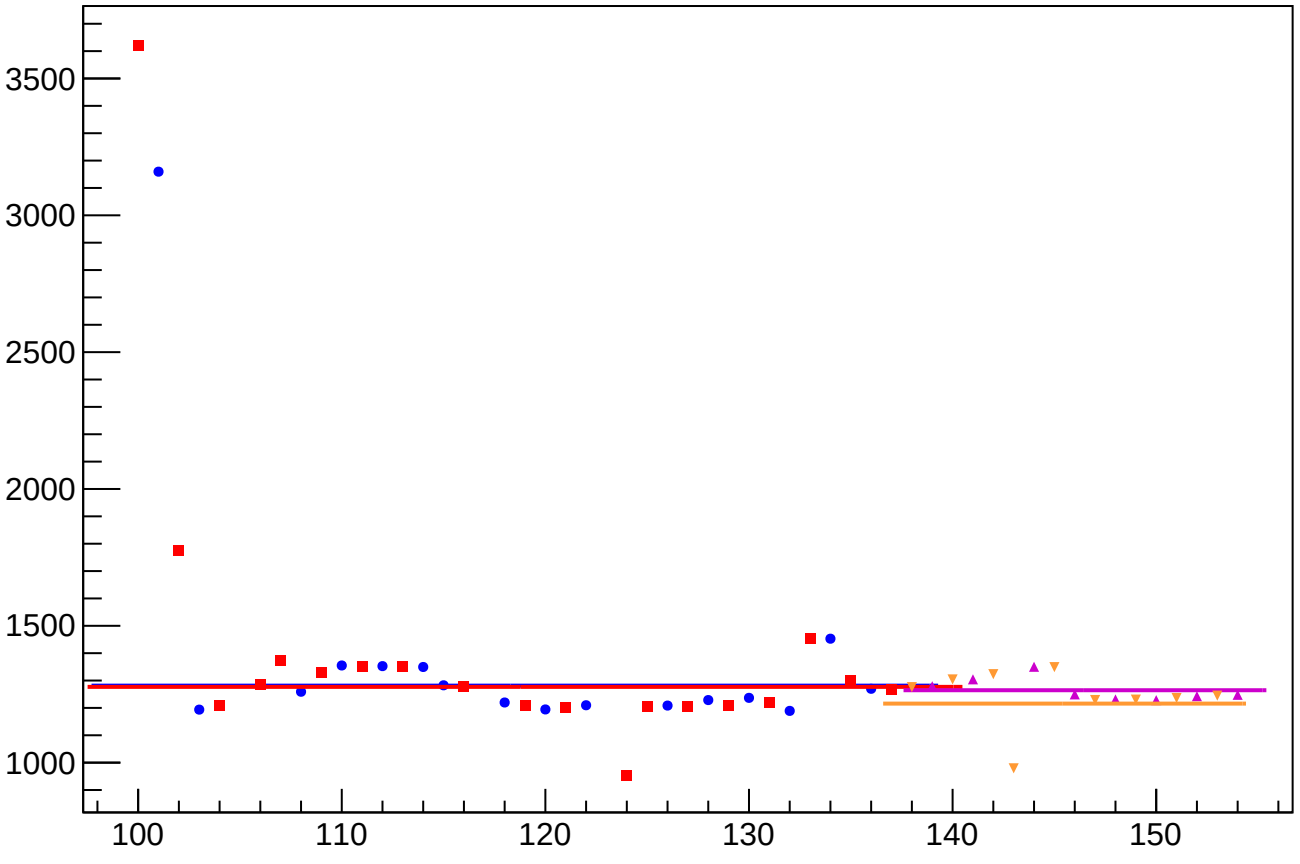
Left: -464.148+/-331.563 χ^2/NDF: 22.3/16

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 67.176+/-340.423 χ^2/NDF:25.1/23

Out: -475.580+/-331.334 χ^2/NDF:33.2/27

All: -211.544+/-237.437 χ^2/NDF: 59.7/51



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: 1264.603+/-0.338 χ^2/NDF:13065.7/7

Left: 1239.291+/-0.234 χ^2/NDF: 153778.5/16

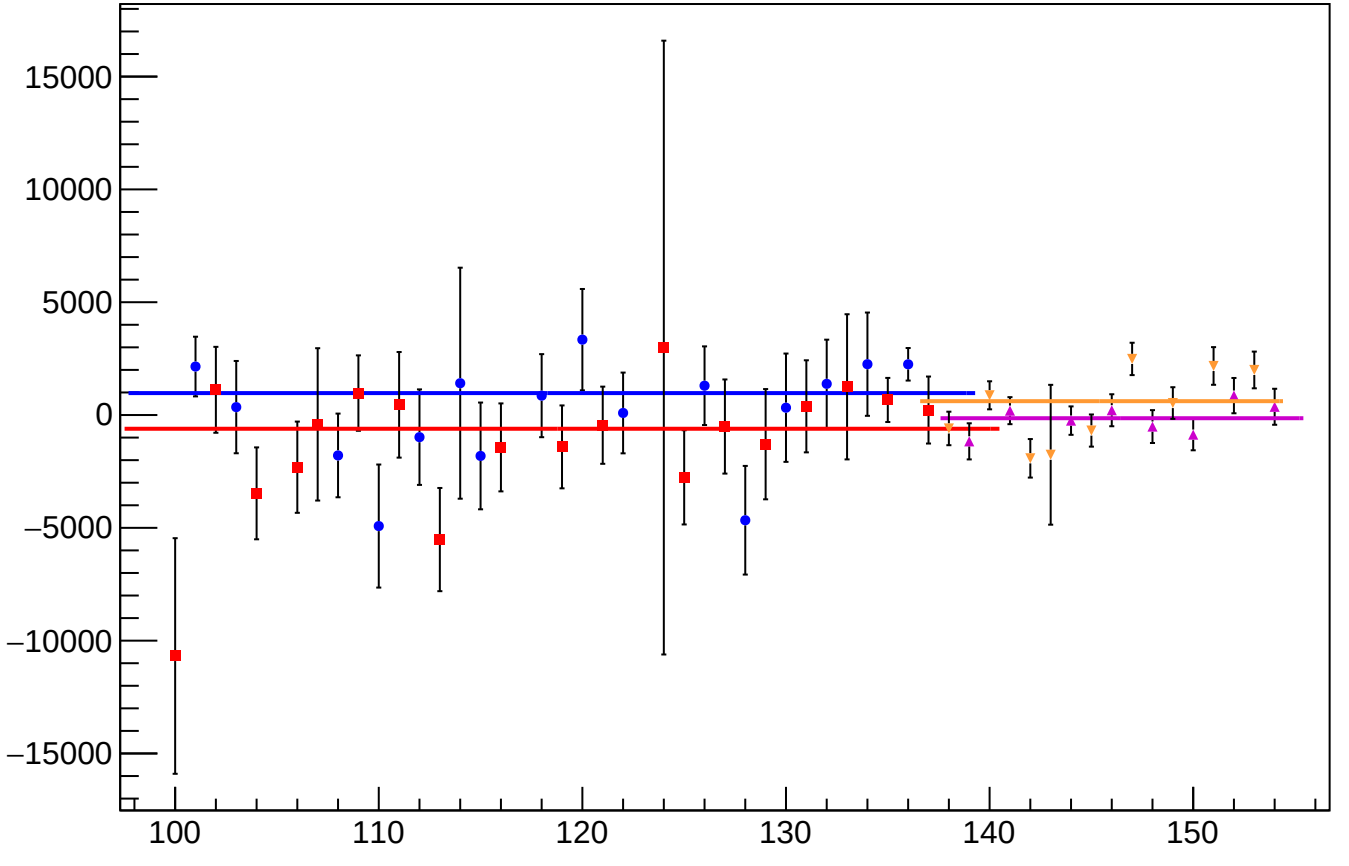
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1272.846+/-0.241 χ^2/NDF:521356.6/23

Out: 1245.245+/-0.234 χ^2/NDF:367377.6/27

All: 1258.672+/-0.168 χ^2/NDF: 895486.2/51

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 614.011+/-260.209 χ^2/NDF:28.8/8

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -141.627+/-249.799 χ^2/NDF:5.6/7

Left: 220.776+/-180.202 χ^2/NDF: 38.8/16

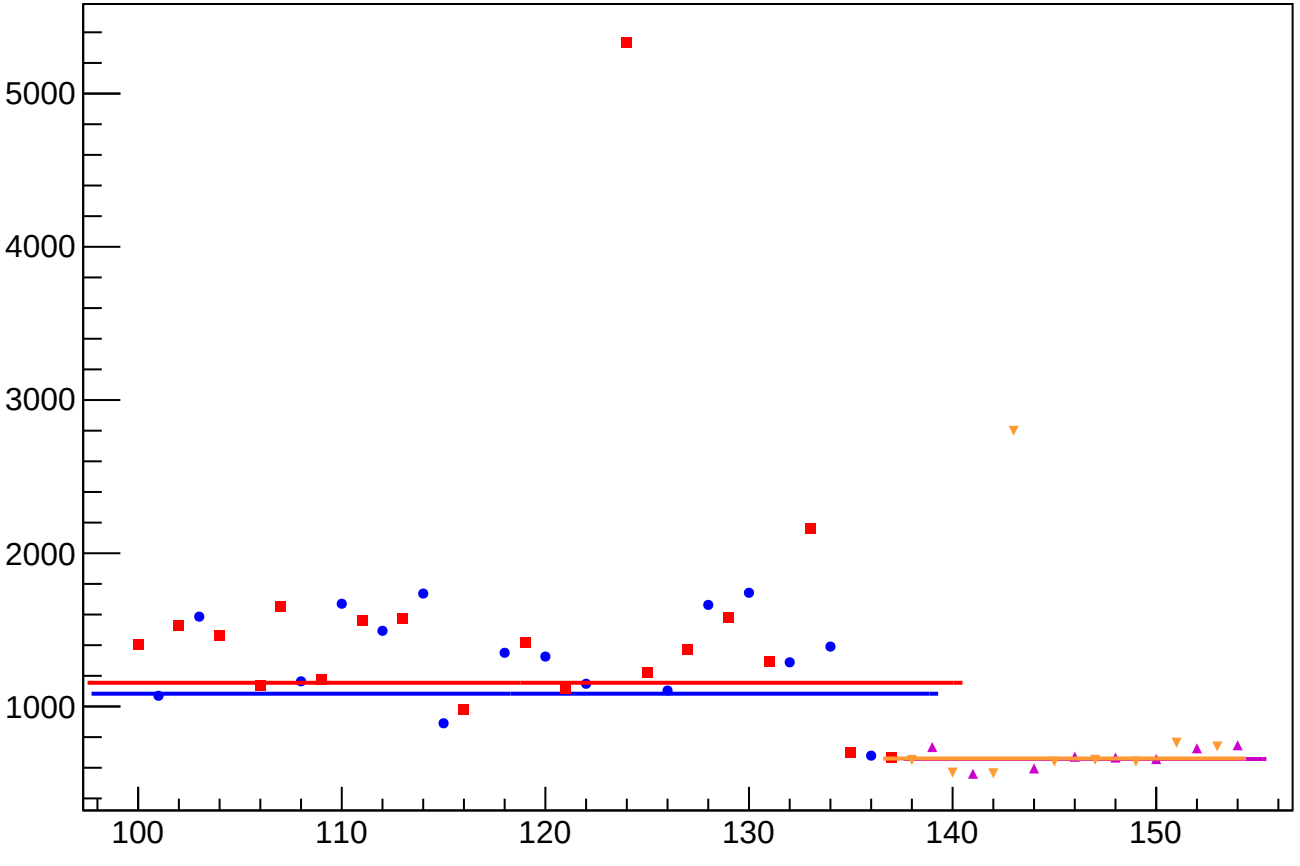
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 144.166+/-215.383 χ^2/NDF:31.2/23

Out: 305.369+/-224.974 χ^2/NDF:51.5/27

All: 221.258+/-155.579 χ^2/NDF: 82.9/51

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 660.585+/-0.184 χ^2/NDF:1075199.3/8

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 657.228+/-0.177 χ^2/NDF:132234.9/7

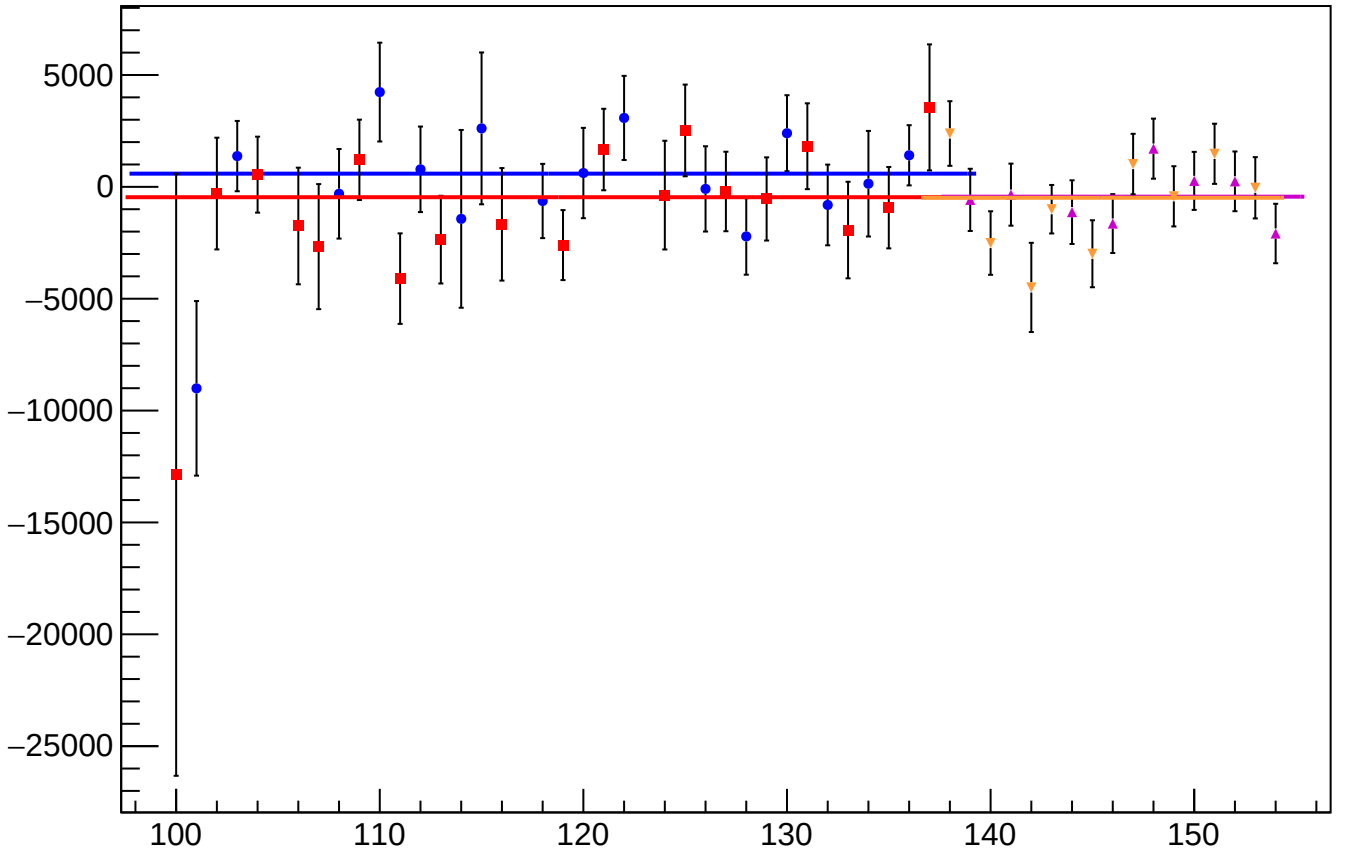
Left: 658.838+/-0.127 χ^2/NDF: 1207607.4/16

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 766.553+/-0.152 χ^2/NDF:2985468.9/23

Out: 785.345+/-0.159 χ^2/NDF:4384510.4/27

All: 775.540+/-0.110 χ^2/NDF: 7377260.4/51



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -487.698+/-460.769 χ^2/NDF:16.5/8

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -438.864+/-477.478 χ^2/NDF:5.7/7

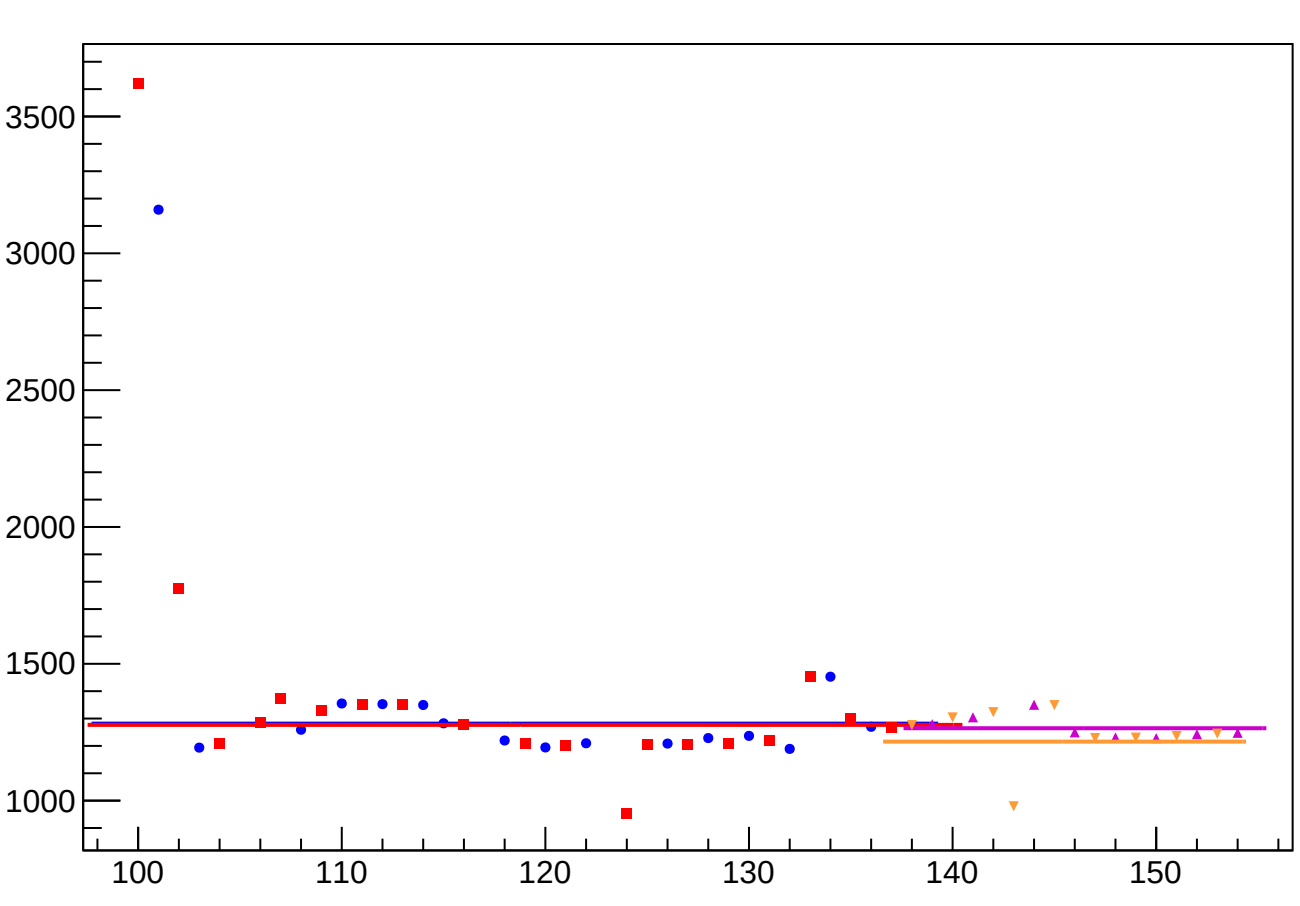
Left: -464.150+/-331.563 χ^2/NDF: 22.3/16

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 67.176+/-340.423 χ^2/NDF:25.1/23

Out: -475.580+/-331.334 χ^2/NDF:33.2/27

All: -211.545+/-237.437 χ^2/NDF: 59.7/51



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: 1264.603+/-0.338 χ^2/NDF:13065.7/7

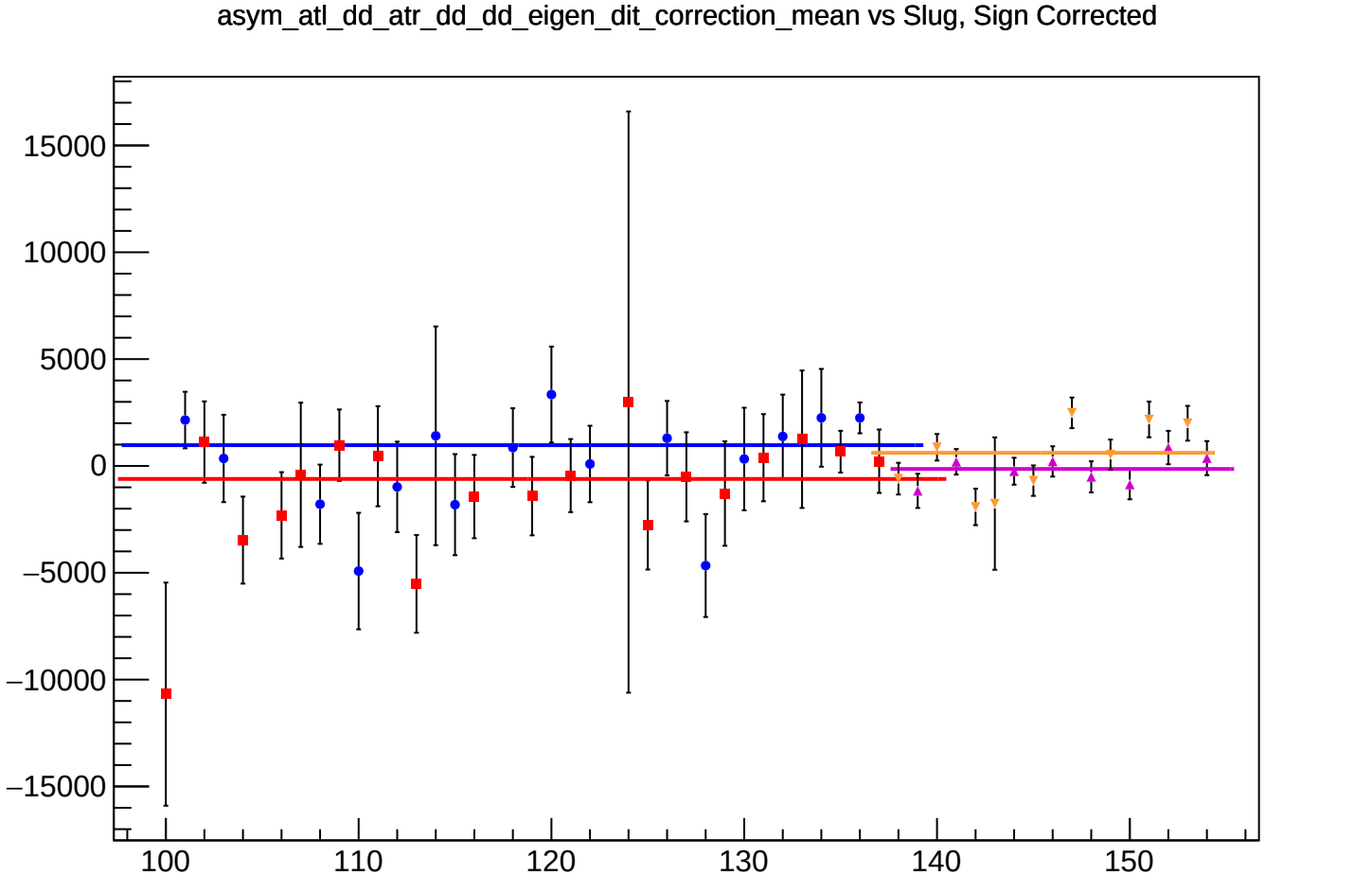
Left: 1239.291+/-0.234 χ^2/NDF: 153777.7/16

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

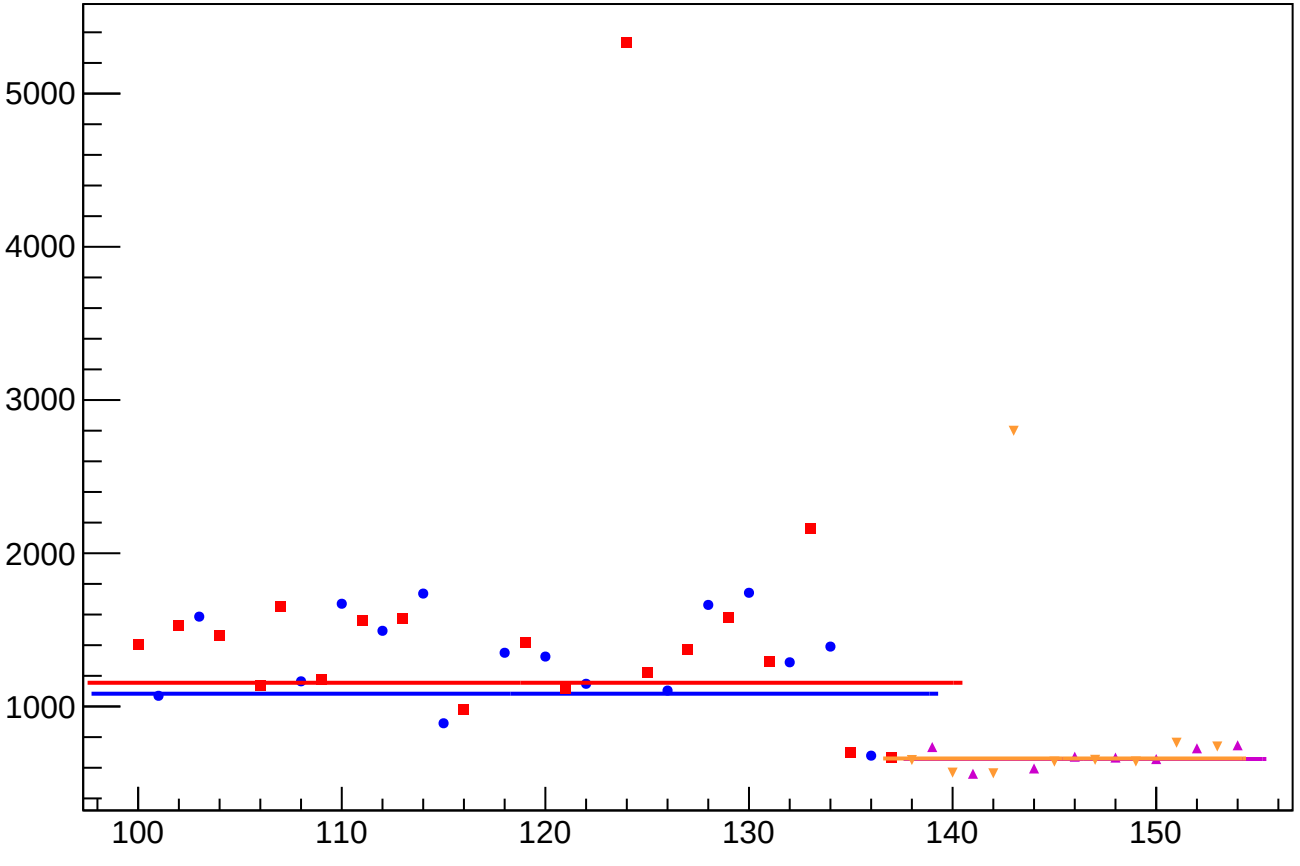
In: 1272.846+/-0.241 χ^2/NDF:521356.7/23

Out: 1245.245+/-0.234 χ^2/NDF:367376.6/27

All: 1258.672+/-0.168 χ^2/NDF: 895485.3/51


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 614.015+/-260.209 χ²/NDF:28.8/8
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -141.628+/-249.799 χ²/NDF:5.6/7
Left: 220.776+/-180.202 χ²/NDF: 38.8/16
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: 144.162+/-215.384 χ²/NDF:31.2/23
Out: 305.371+/-224.975 χ²/NDF:51.5/27
All: 221.257+/-155.579 χ²/NDF: 82.9/51

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: 657.228+/-0.177 χ^2/NDF:132237.2/7

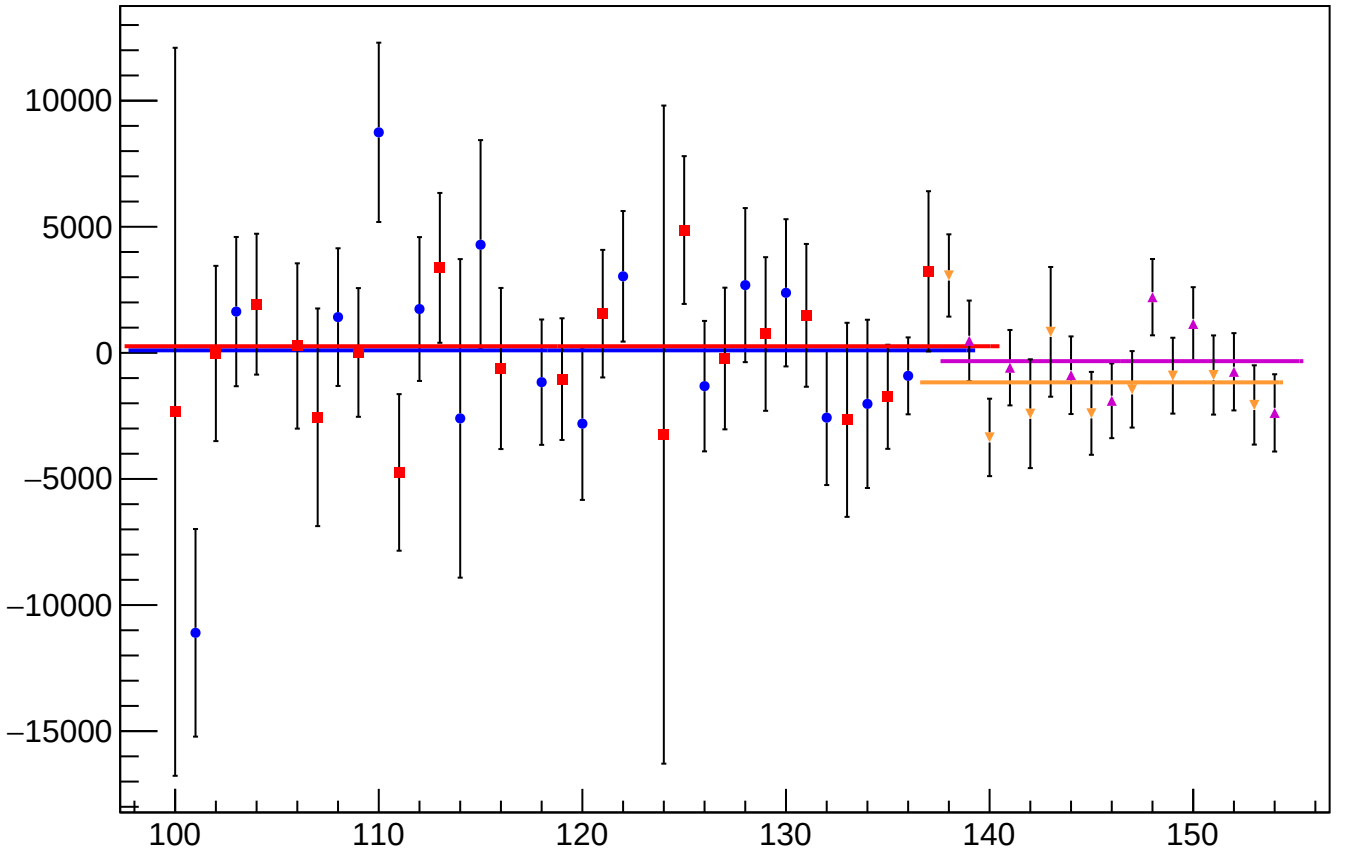
Left: 658.839+/-0.127 χ^2/NDF: 1207604.9/16

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 766.554+/-0.152 χ^2/NDF:2985453.8/23

Out: 785.348+/-0.159 χ^2/NDF:4384480.1/27

All: 775.542+/-0.110 χ^2/NDF: 7377216.6/51



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: -328.567+/-536.370 χ^2/NDF:7.2/7

Left: -733.242+/-386.368 χ^2/NDF: 19.1/16

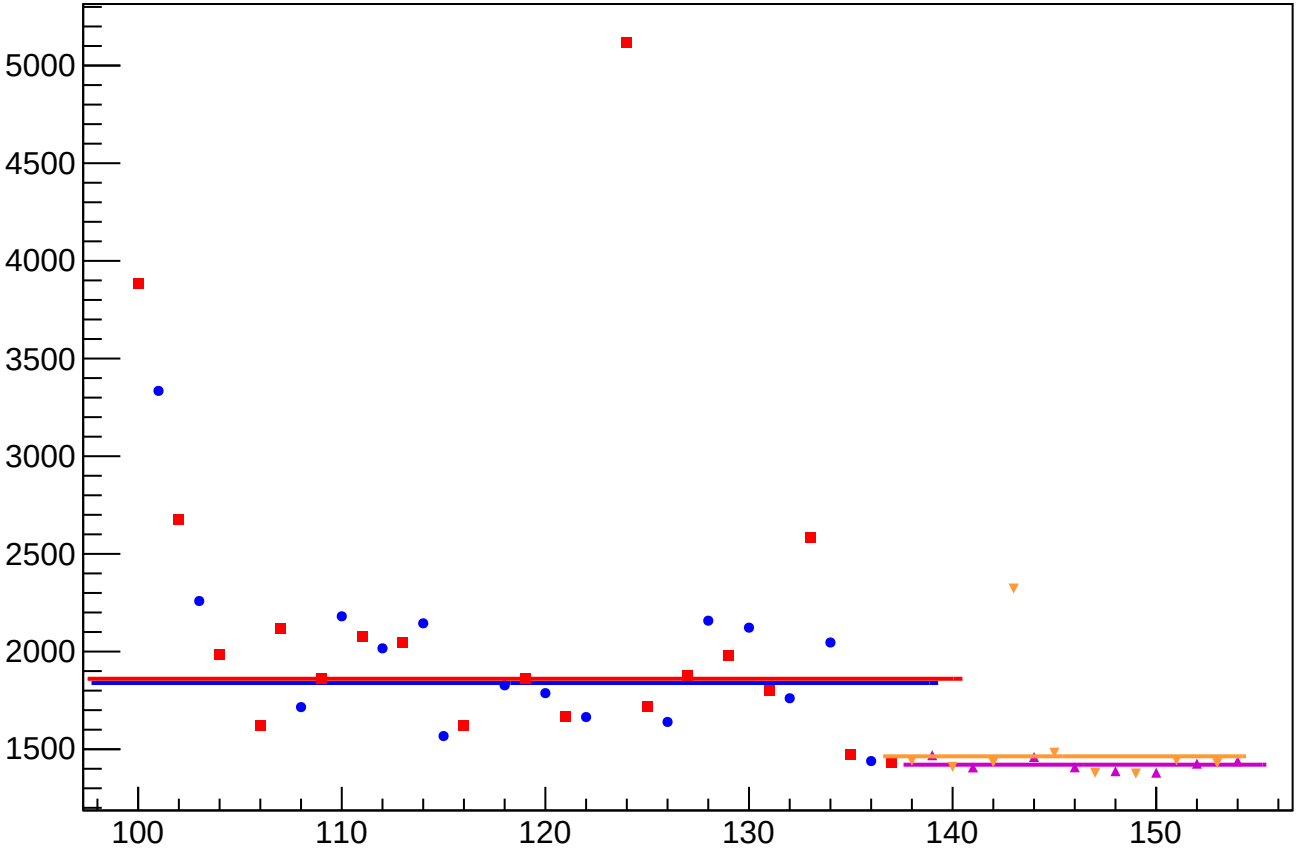
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -169.569+/-425.524 χ^2/NDF:28.8/23

Out: -614.052+/-435.801 χ^2/NDF:23.6/27

All: -386.508+/-304.460 χ^2/NDF: 52.9/51

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: 1420.773+/-0.379 χ^2/NDF:6340.0/7

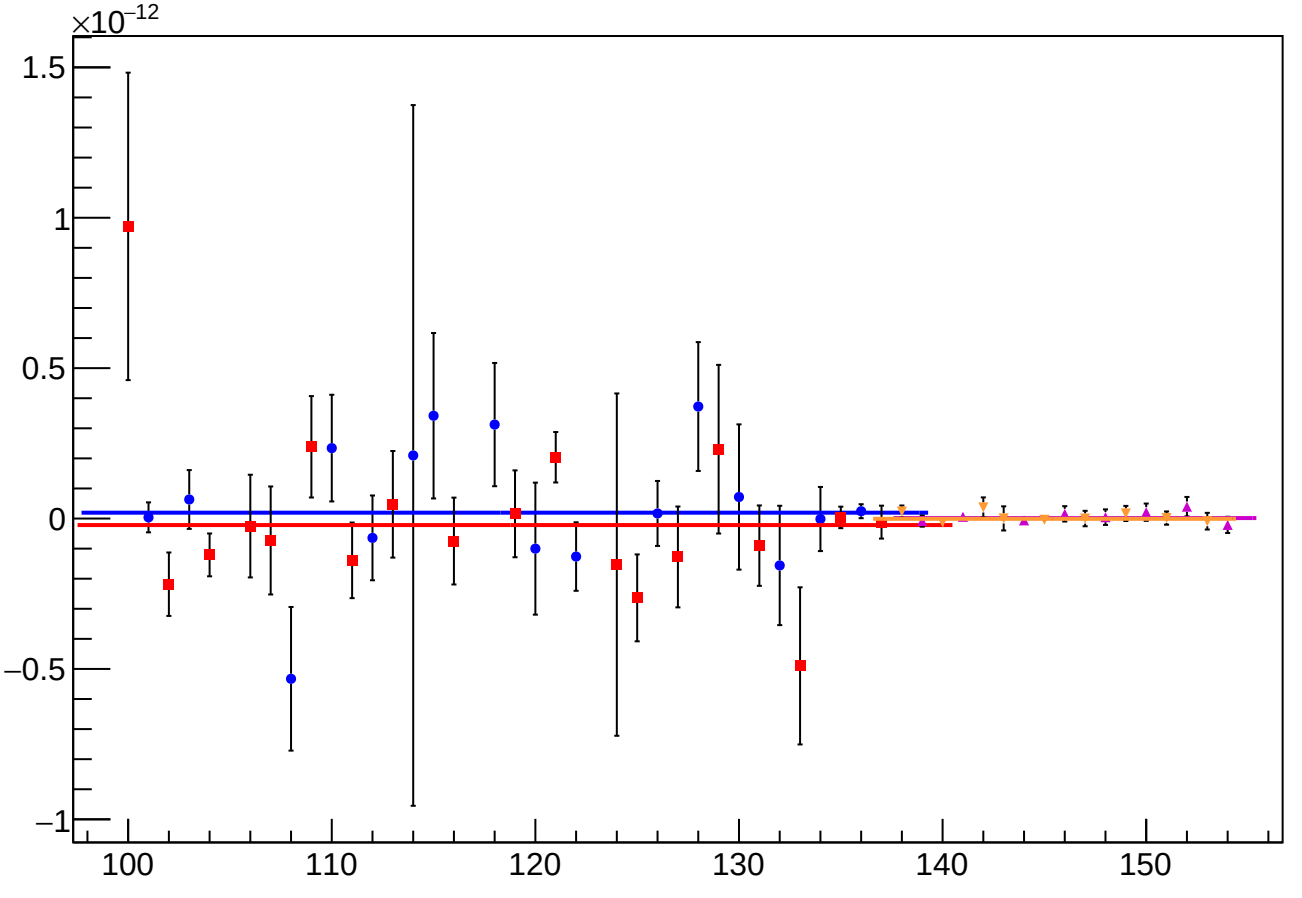
Left: 1441.431+/-0.273 χ^2/NDF: 253379.0/16

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1575.814+/-0.301 χ^2/NDF:1013961.9/23

Out: 1617.727+/-0.308 χ^2/NDF:1157151.0/27

All: 1596.271+/-0.215 χ^2/NDF: 2180583.3/51



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:3.5/7

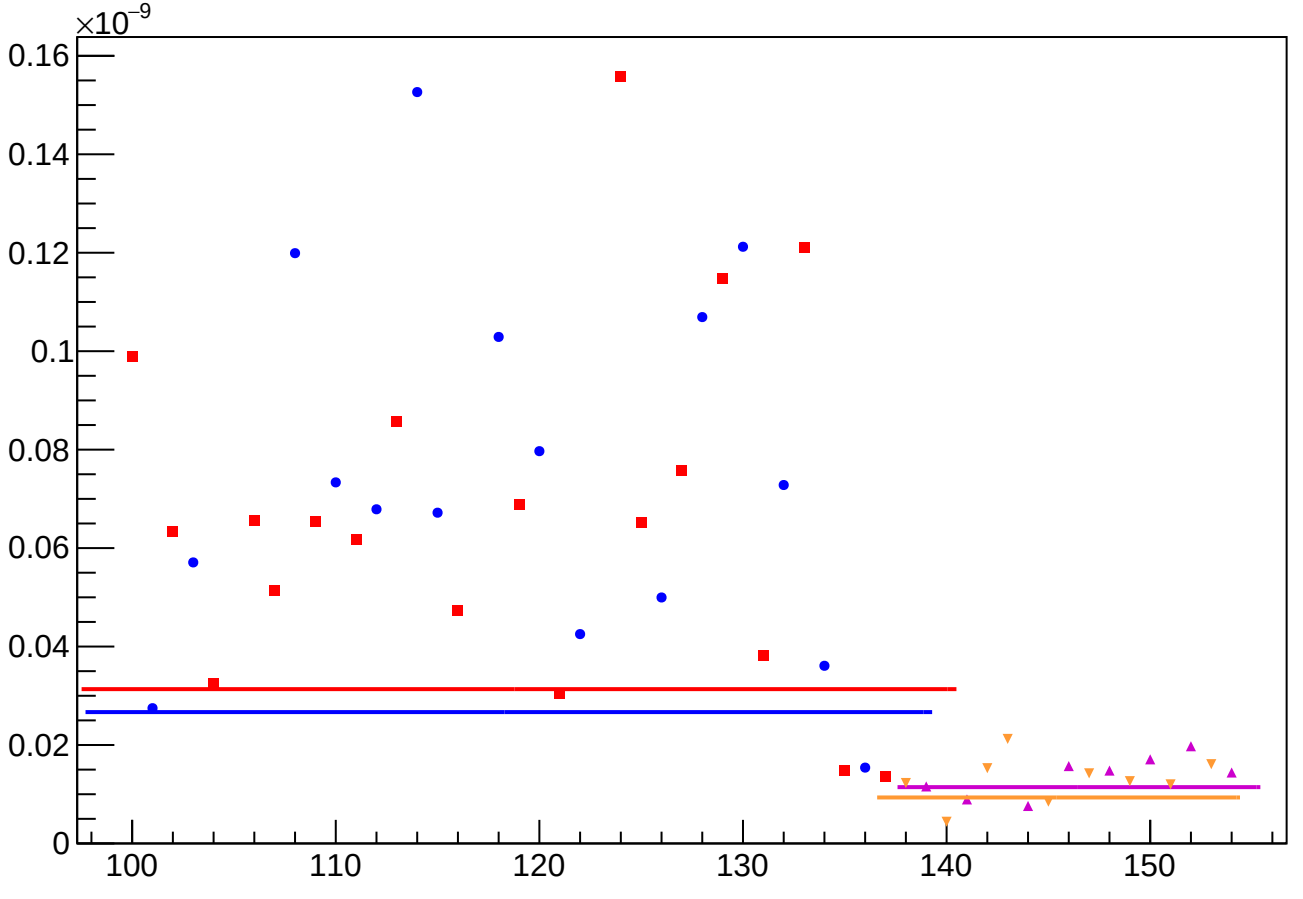
Left: 0.000+/-0.000 χ^2/NDF: 8.2/16

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.8/23

Out: -0.000+/-0.000 χ^2/NDF:33.6/27

All: 0.000+/-0.000 χ^2/NDF: 54.9/51



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:536561.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1599141.4/16

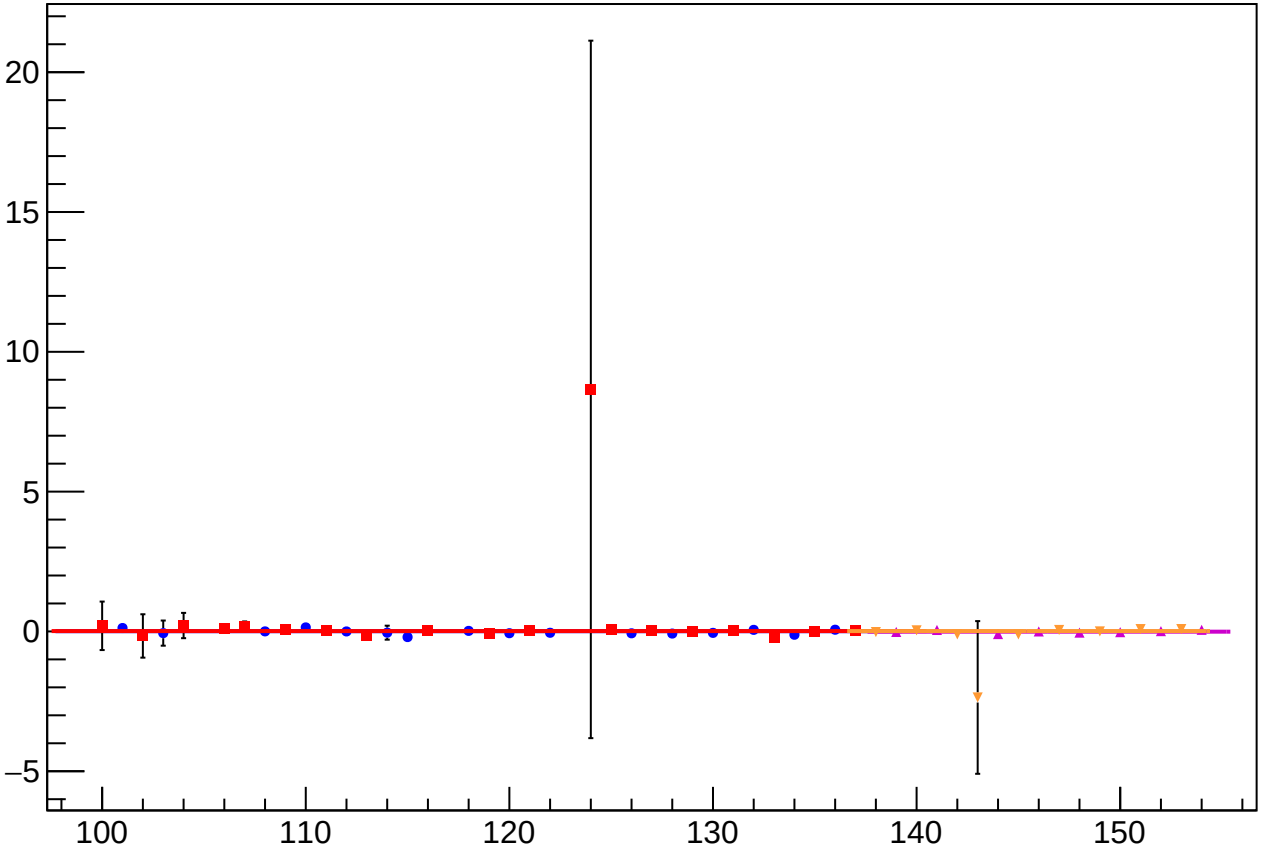
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4259638.1/23

Out: 0.000+/-0.000 χ^2/NDF:5040533.5/27

All: 0.000+/-0.000 χ^2/NDF: 9430445.1/51

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: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.001+/-0.011 χ^2/NDF: 21.1/16

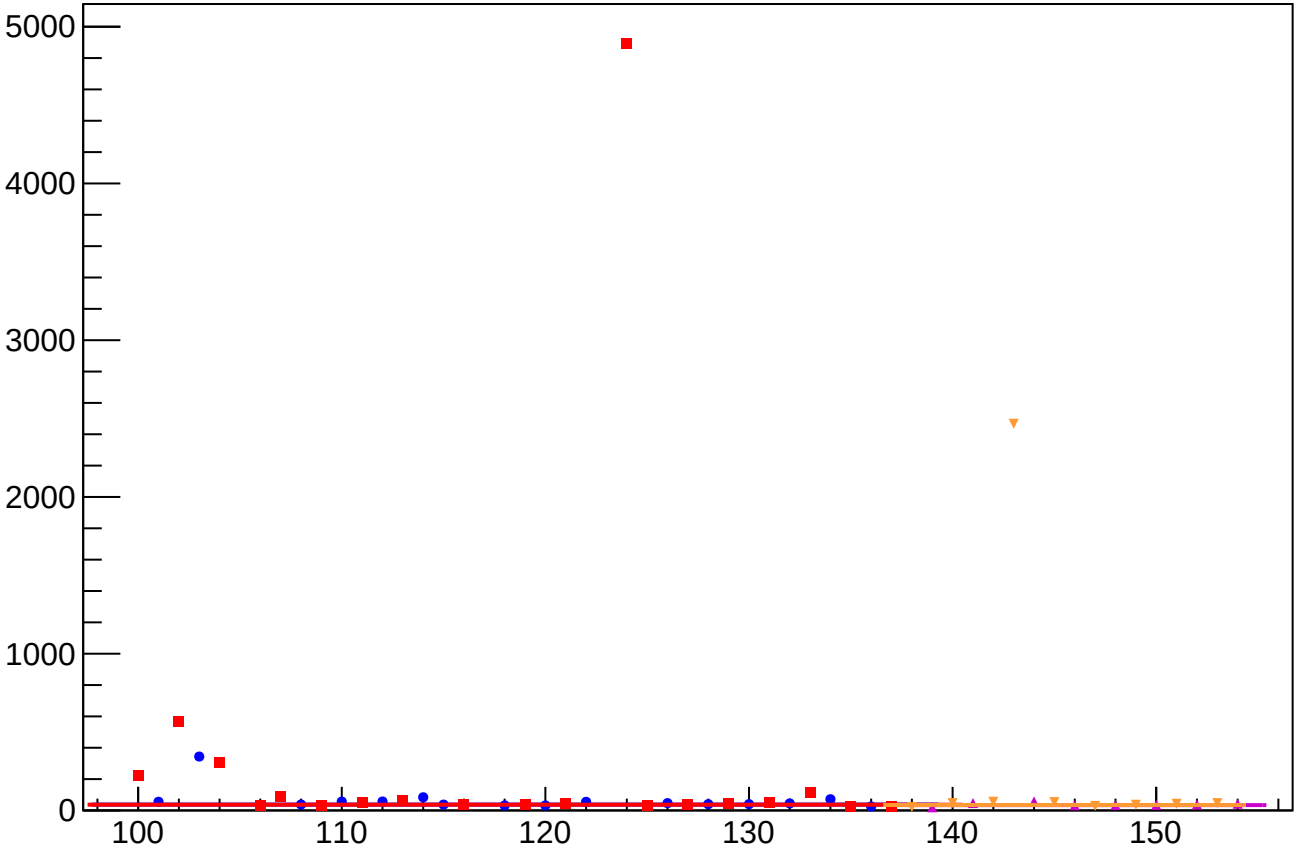
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.013+/-0.011 χ^2/NDF:26.3/27

All: 0.005+/-0.008 χ^2/NDF: 53.3/51

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.750+/-0.011 χ^2/NDF:2595625.7/8

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.041+/-0.010 χ^2/NDF:1008115.1/7

Left: 34.370+/-0.007 χ^2/NDF: 3605996.6/16

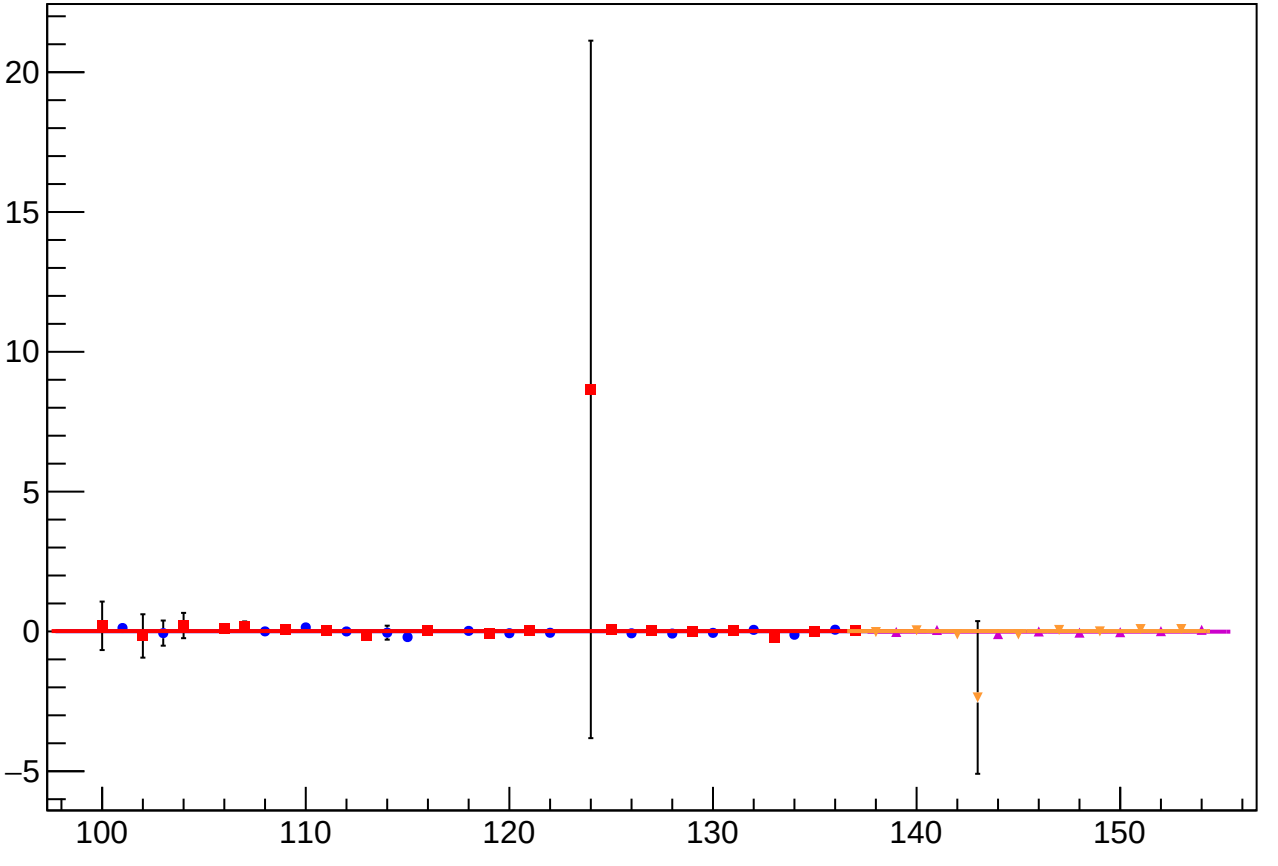
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.574+/-0.008 χ^2/NDF:3042676.1/23

Out: 35.685+/-0.008 χ^2/NDF:5802137.6/27

All: 35.627+/-0.006 χ^2/NDF: 8844914.1/51

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: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.001+/-0.011 χ^2/NDF: 21.1/16

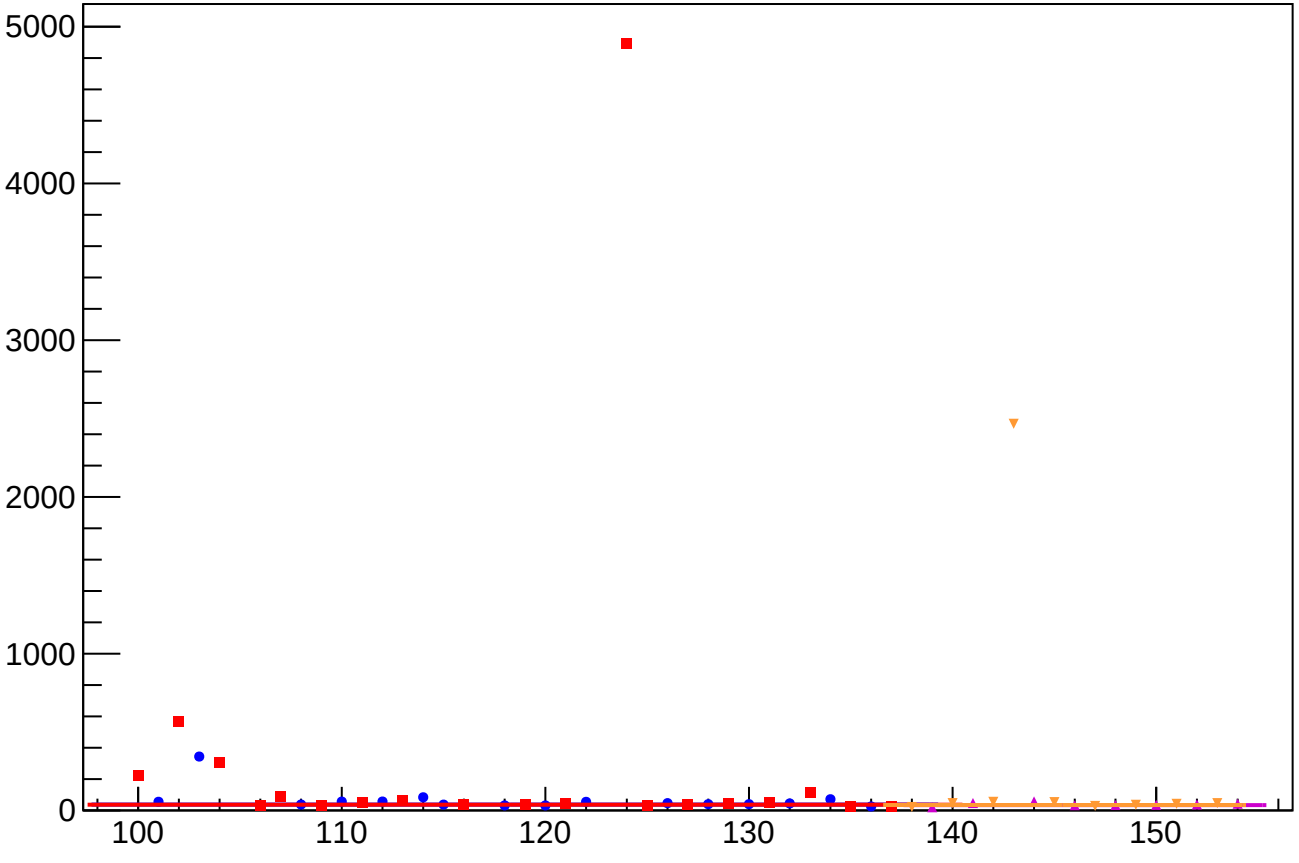
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.013+/-0.011 χ^2/NDF:26.3/27

All: 0.005+/-0.008 χ^2/NDF: 53.3/51

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: 34.041+/-0.010 χ^2/NDF:1008115.1/7

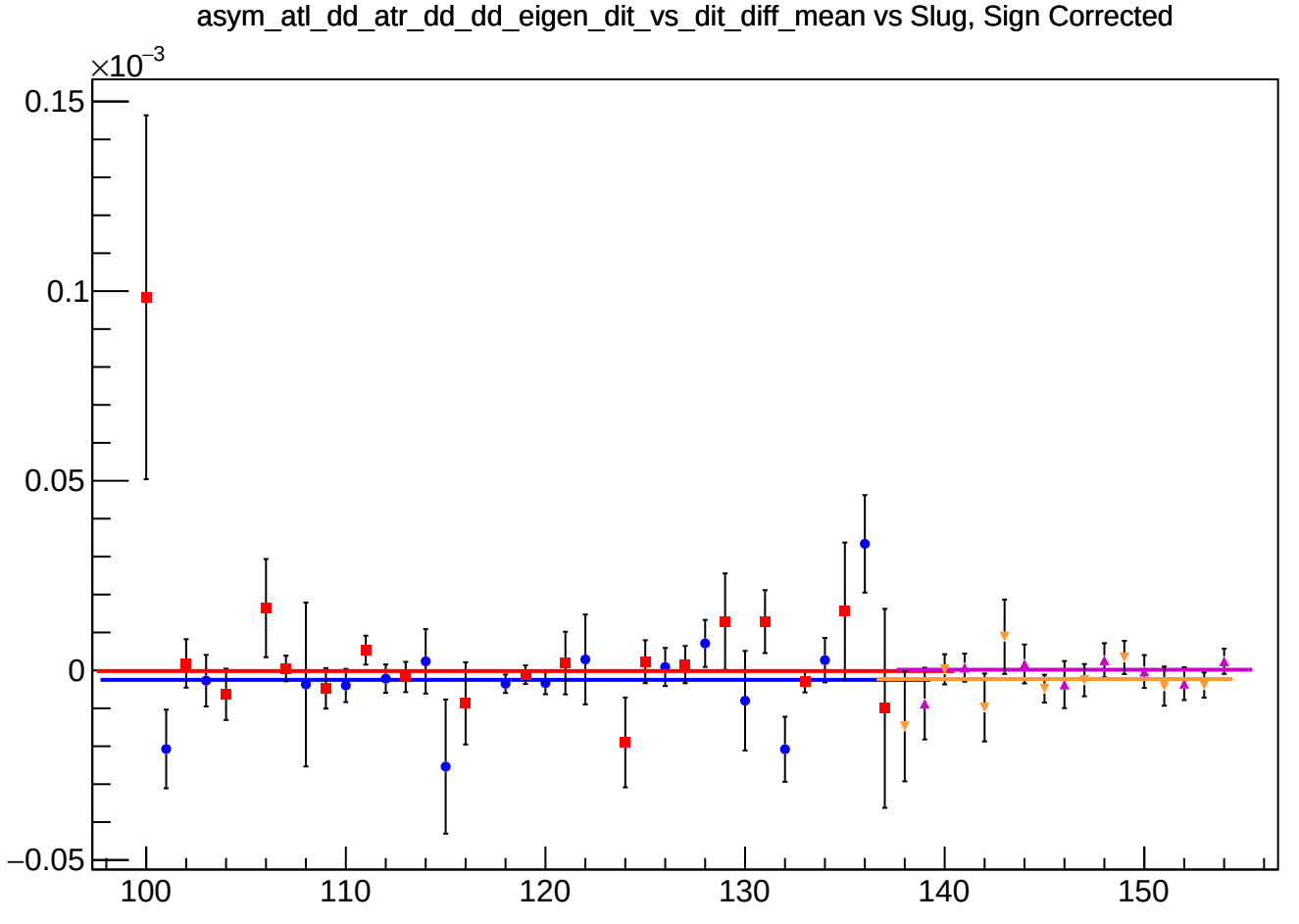
Left: 34.370+/-0.007 χ^2/NDF: 3605996.6/16

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.574+/-0.008 χ^2/NDF:3042676.1/23

Out: 35.685+/-0.008 χ^2/NDF:5802137.6/27

All: 35.627+/-0.006 χ^2/NDF: 8844914.1/51



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:2.9/7

Left: -0.000+/-0.000 χ^2/NDF: 9.8/16

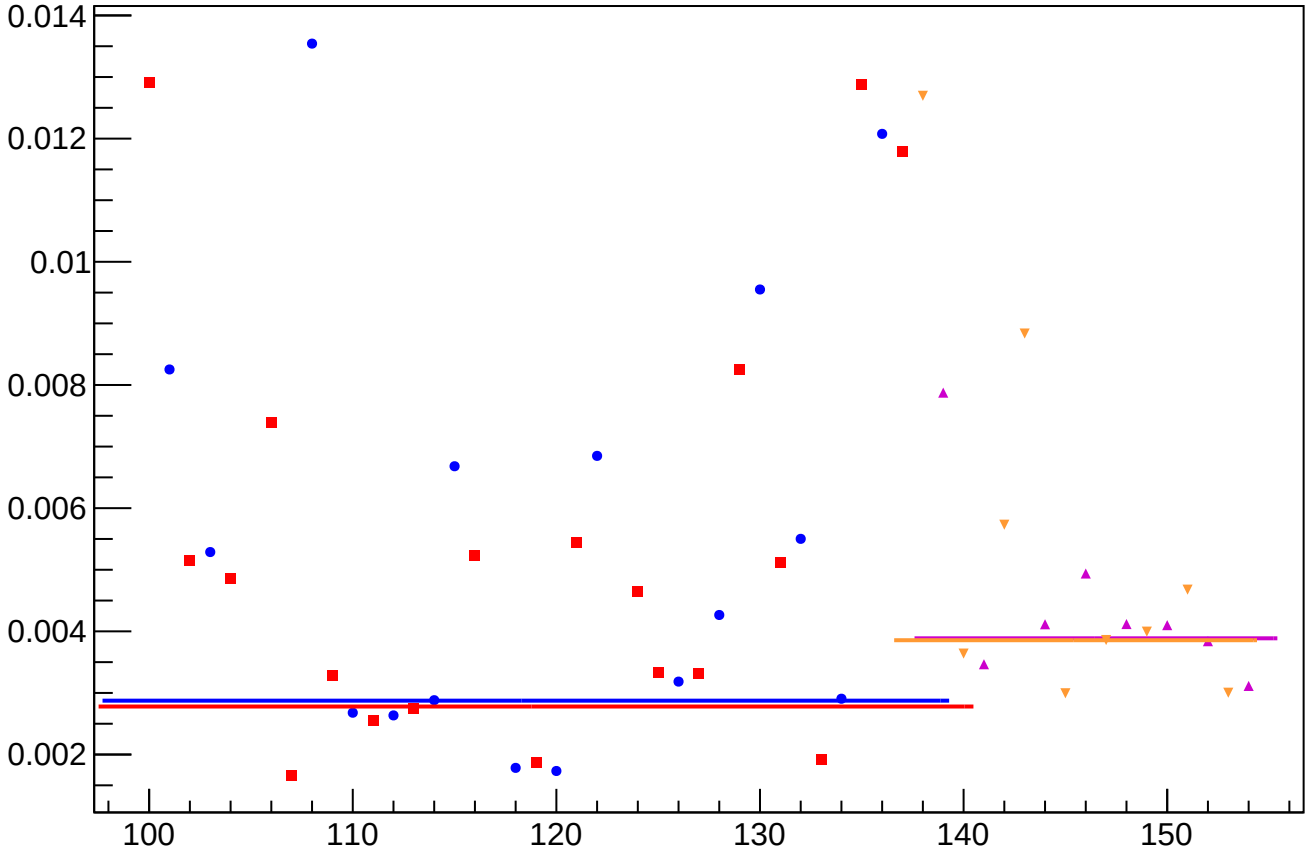
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:26.4/23

Out: -0.000+/-0.000 χ^2/NDF:25.7/27

All: -0.000+/-0.000 χ^2/NDF: 52.2/51

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:561970.4/7

Left: 0.004+/-0.000 χ^2/NDF: 2211139.0/16

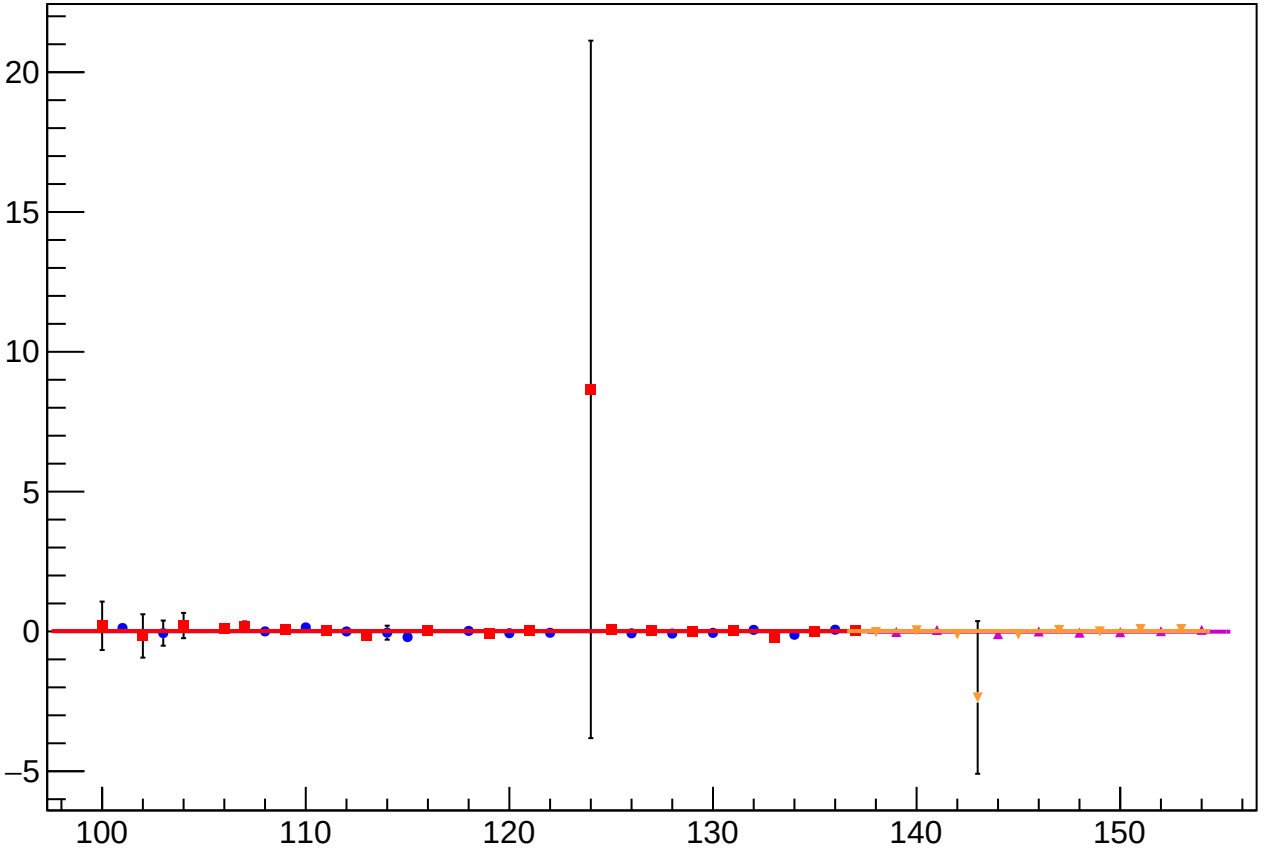
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5198199.0/23

Out: 0.003+/-0.000 χ^2/NDF:5559419.0/27

All: 0.003+/-0.000 χ^2/NDF: 10772472.9/51

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: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.001+/-0.011 χ^2/NDF: 21.1/16

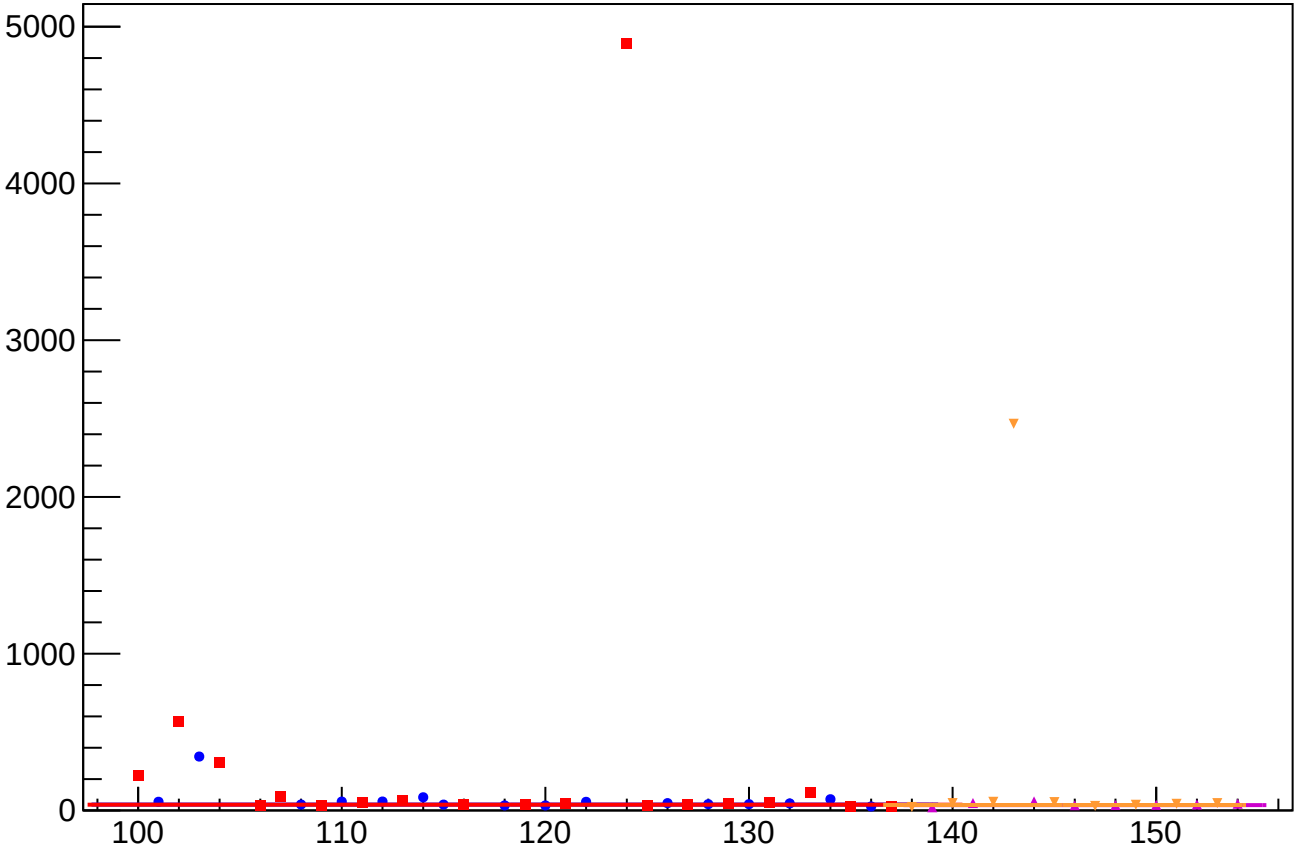
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.013+/-0.011 χ^2/NDF:26.4/27

All: 0.005+/-0.008 χ^2/NDF: 53.3/51

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: 34.045+/-0.010 χ^2/NDF:1007221.1/7

Left: 34.371+/-0.007 χ^2/NDF: 3605486.3/16

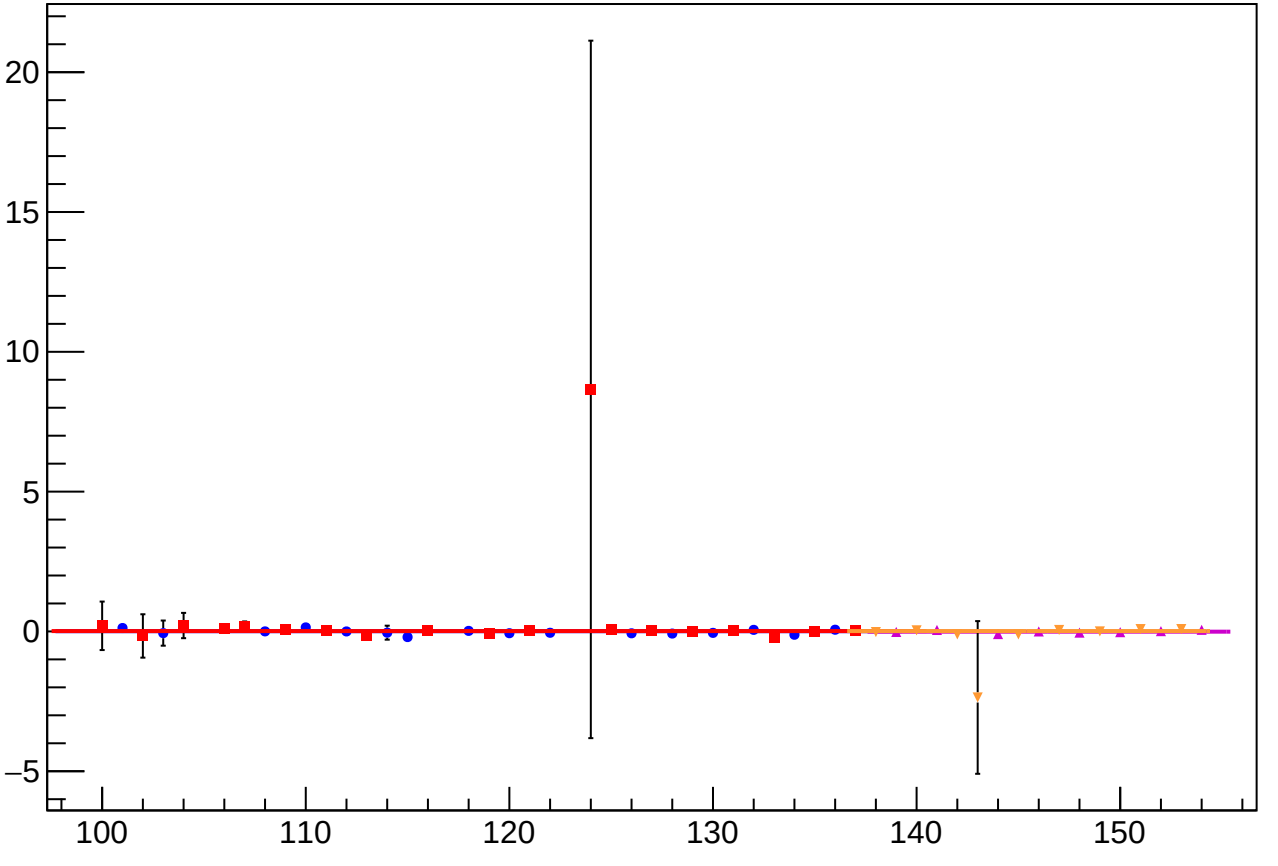
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.577+/-0.008 χ^2/NDF:3041615.1/23

Out: 35.684+/-0.008 χ^2/NDF:5802335.9/27

All: 35.627+/-0.006 χ^2/NDF: 8844045.5/51

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: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.001+/-0.011 χ^2/NDF: 21.1/16

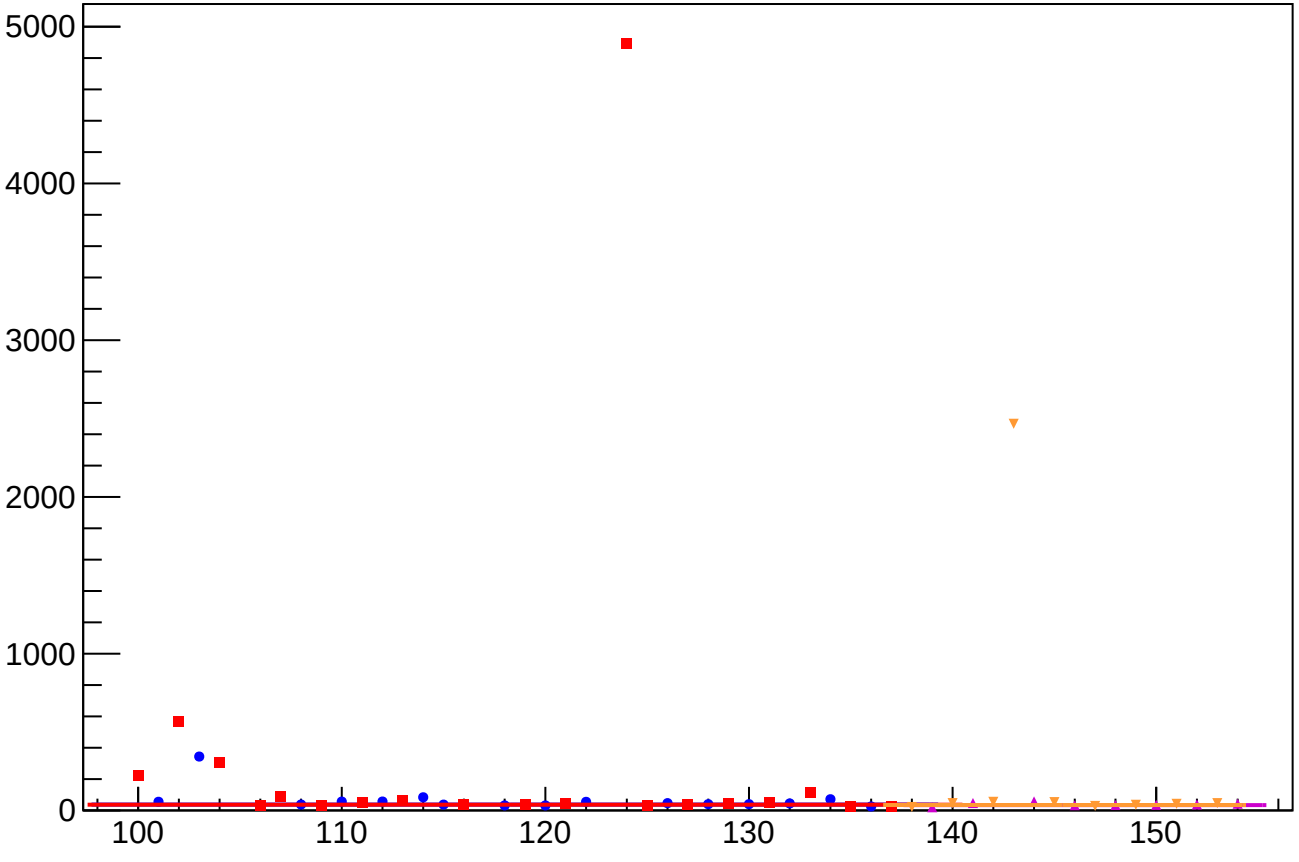
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.013+/-0.011 χ^2/NDF:26.4/27

All: 0.005+/-0.008 χ^2/NDF: 53.3/51

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: 34.045+/-0.010 χ^2/NDF:1007221.1/7

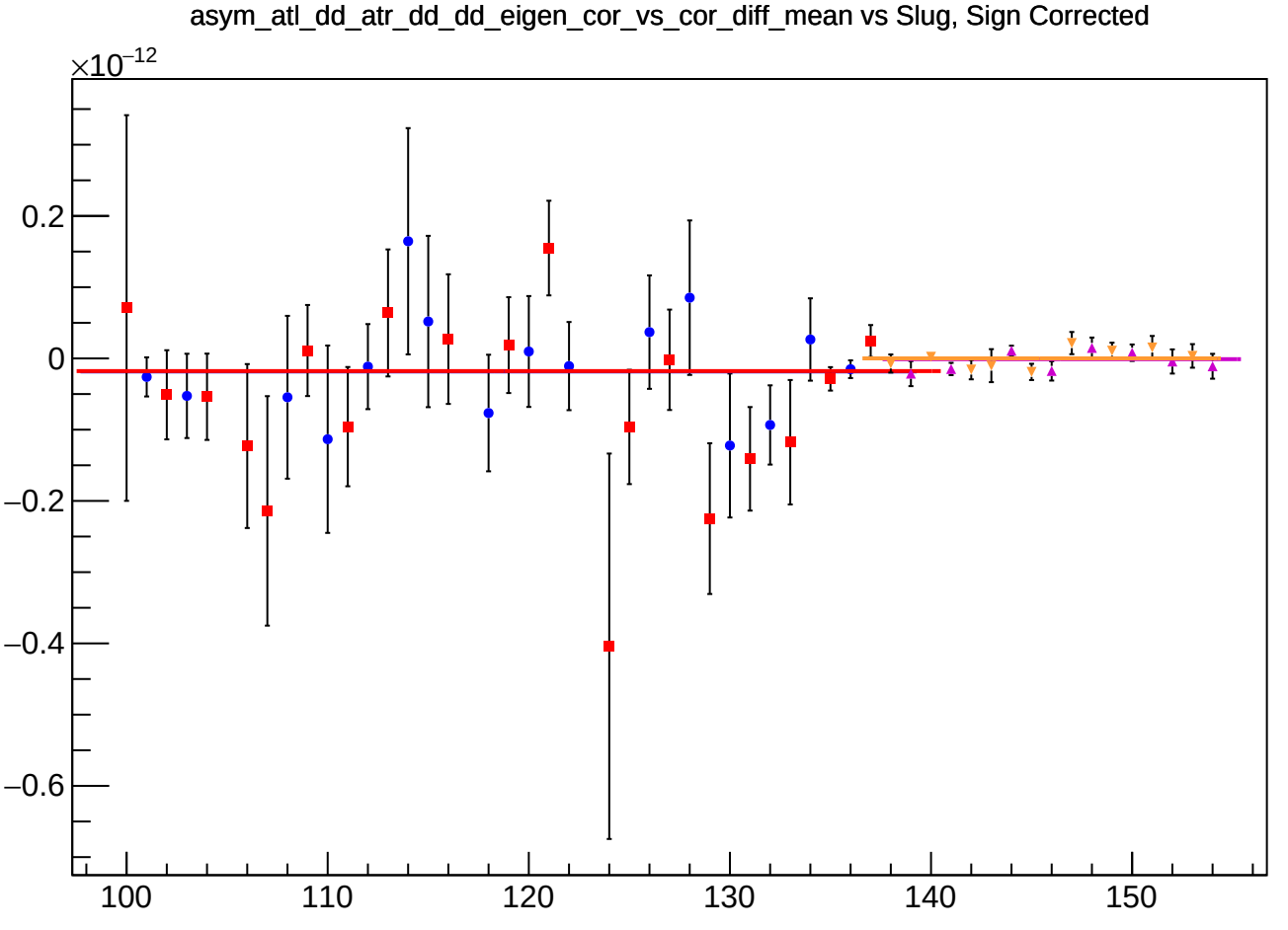
Left: 34.371+/-0.007 χ^2/NDF: 3605486.3/16

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.577+/-0.008 χ^2/NDF:3041615.1/23

Out: 35.684+/-0.008 χ^2/NDF:5802335.9/27

All: 35.627+/-0.006 χ^2/NDF: 8844045.5/51



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:10.4/7

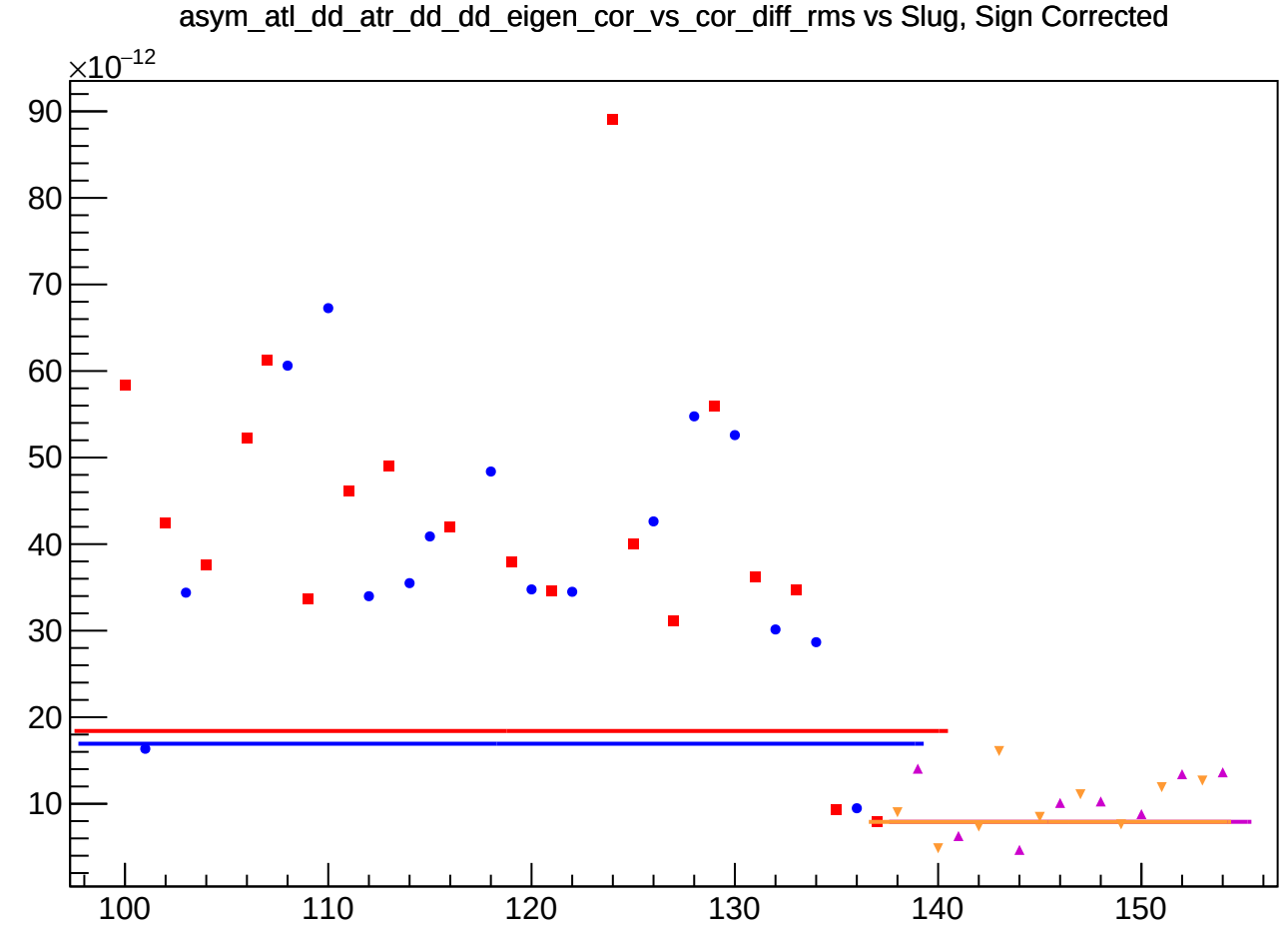
Left: -0.000+/-0.000 χ^2/NDF: 18.9/16

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:21.3/23

Out: -0.000+/-0.000 χ^2/NDF:38.0/27

All: -0.000+/-0.000 χ^2/NDF: 59.4/51



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:1283952.2/7

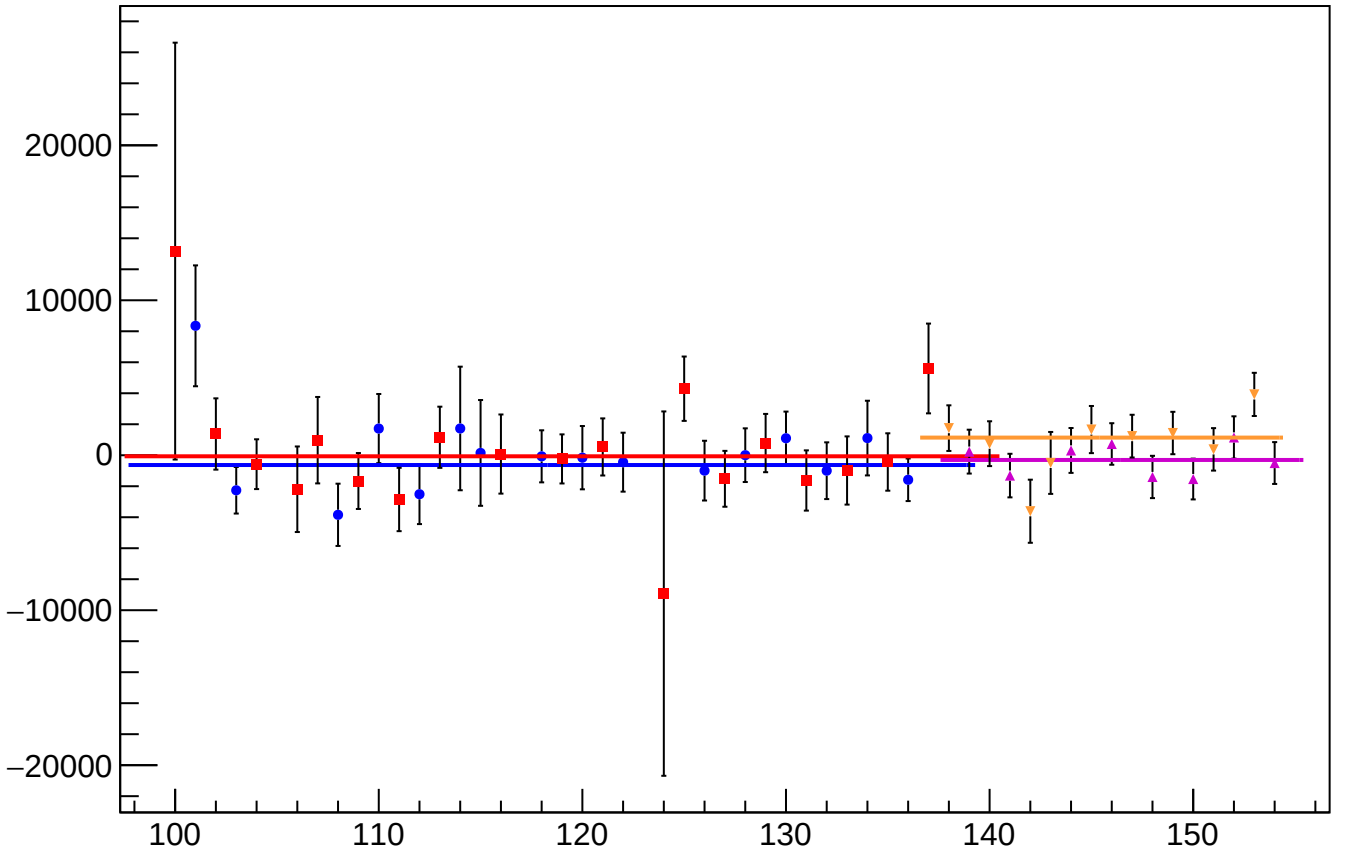
Left: 0.000+/-0.000 χ^2/NDF: 2338593.8/16

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:5912027.6/23

Out: 0.000+/-0.000 χ^2/NDF:6325166.8/27

All: 0.000+/-0.000 χ^2/NDF: 12237566.8/51



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: -304.408+/-485.703 χ^2/NDF:4.1/7

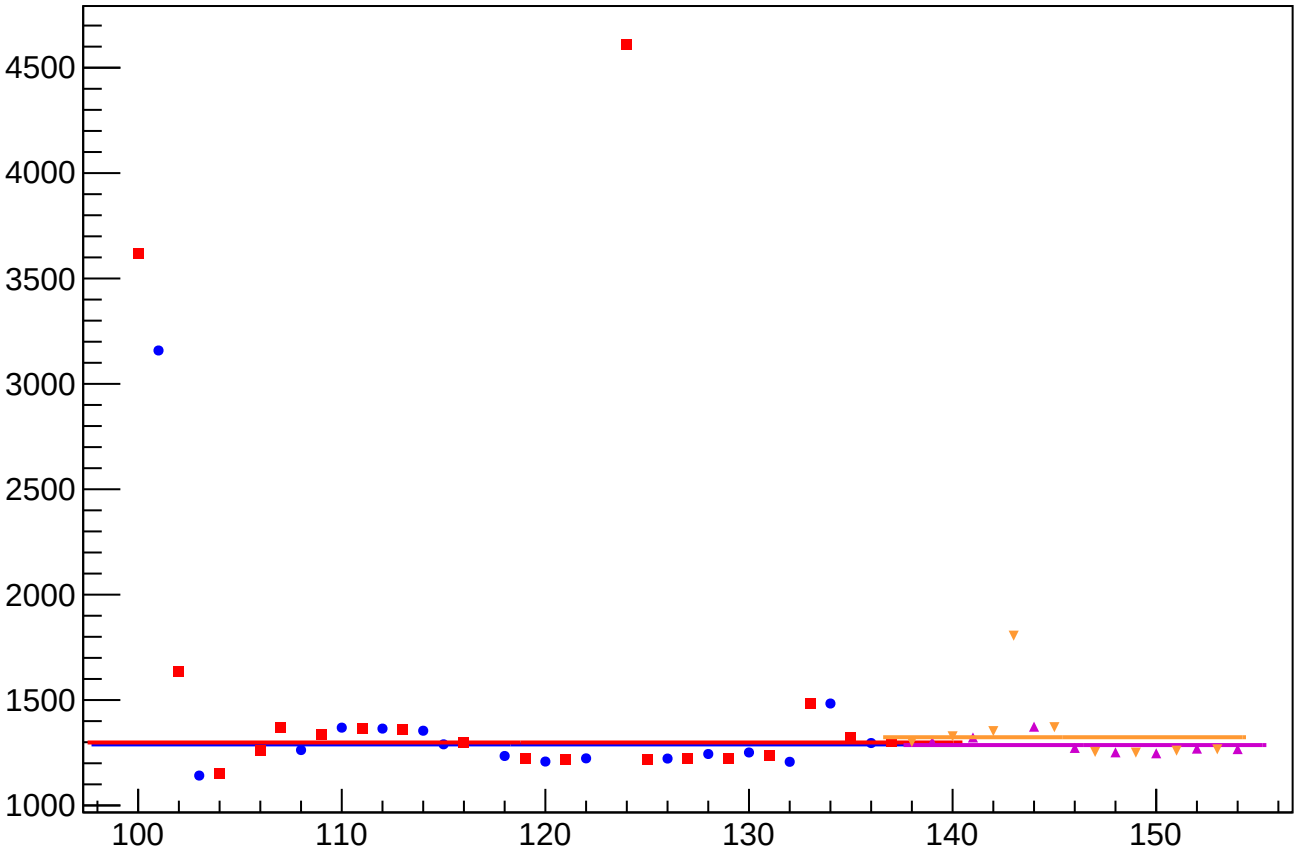
Left: 393.846+/-348.986 χ^2/NDF: 19.2/16

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -466.733+/-344.486 χ^2/NDF:18.2/23

Out: 518.628+/-349.747 χ^2/NDF:29.7/27

All: 18.480+/-245.427 χ^2/NDF: 51.9/51



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: 1286.389+/-0.343 χ^2/NDF:12767.7/7

Left: 1304.397+/-0.247 χ^2/NDF: 156120.2/16

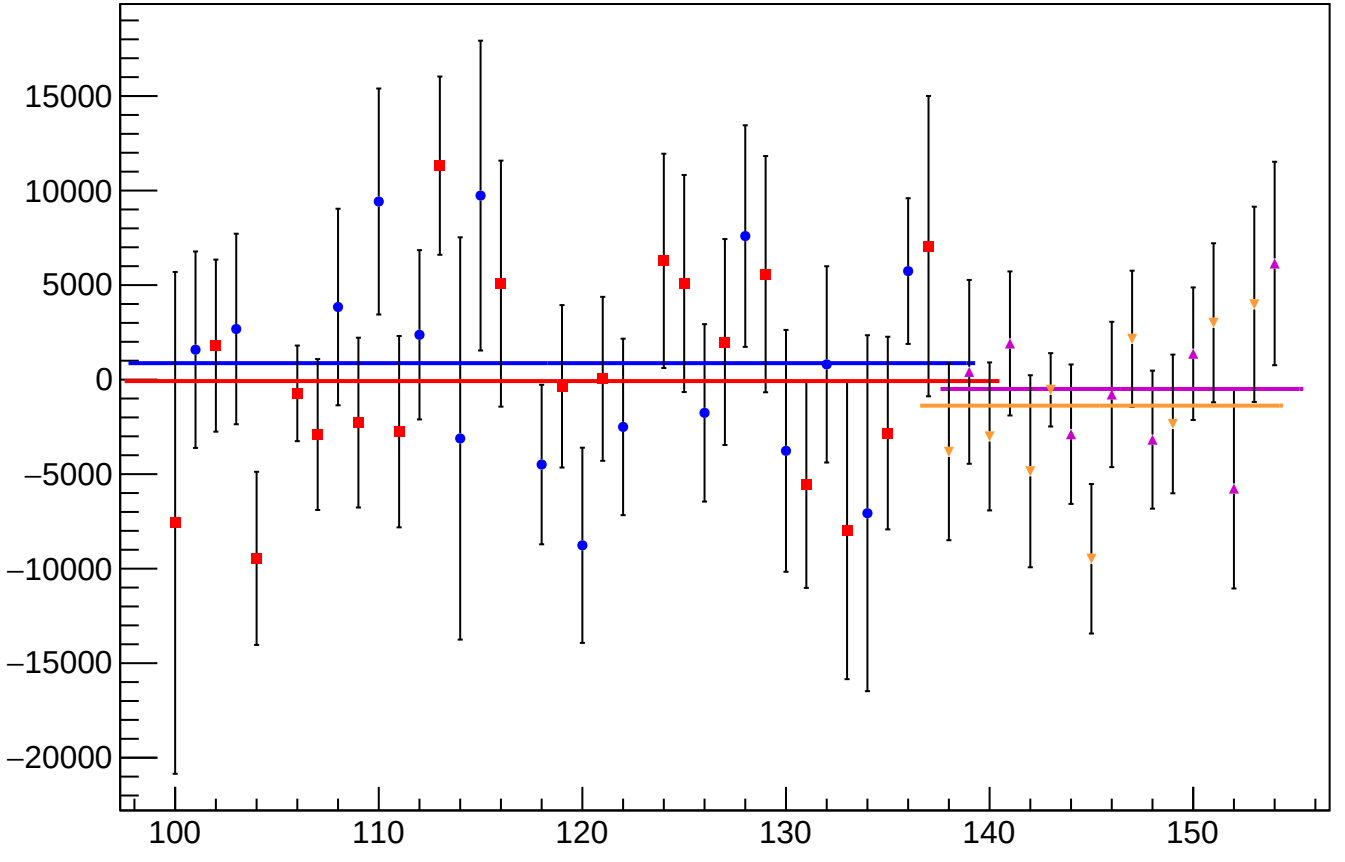
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1287.918+/-0.244 χ^2/NDF:527482.6/23

Out: 1310.749+/-0.247 χ^2/NDF:459595.2/27

All: 1299.176+/-0.173 χ^2/NDF: 991409.6/51

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: -495.554+/-1444.613 χ^2/NDF:4.2/7

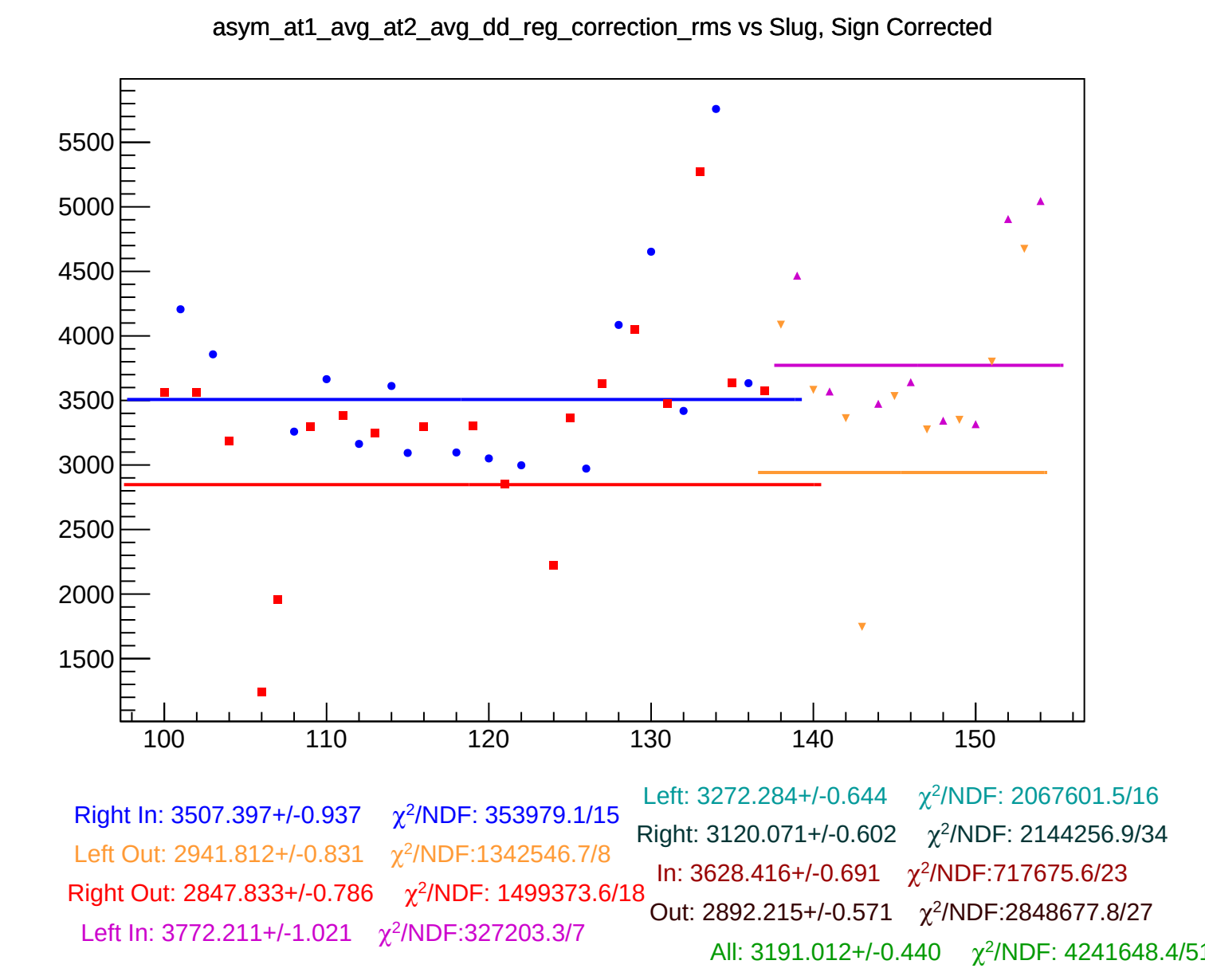
Left: -1025.832+/-911.329 χ^2/NDF: 12.9/16

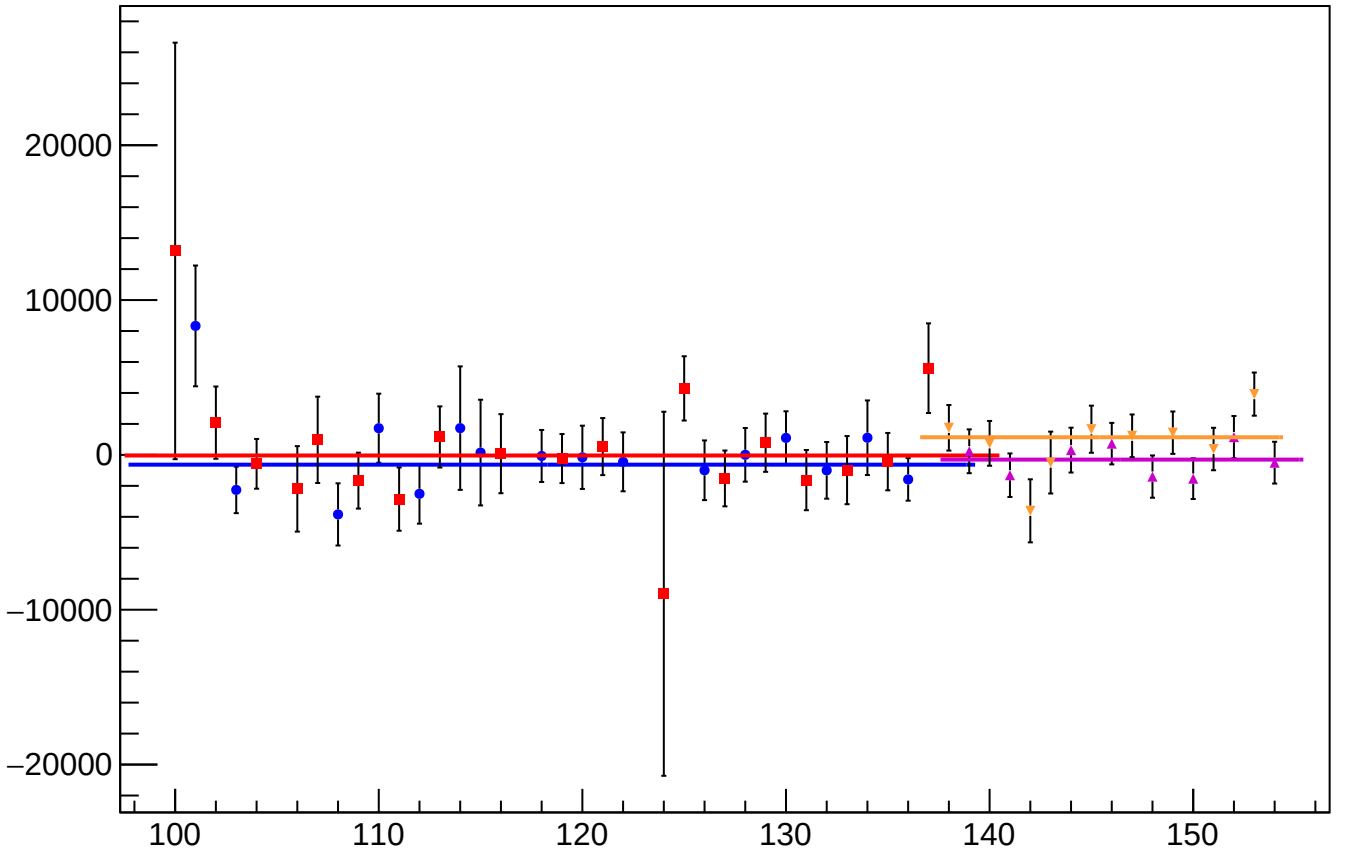
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 246.106+/-976.581 χ^2/NDF:18.7/23

Out: -690.805+/-807.150 χ^2/NDF:27.5/27

All: -310.548+/-622.154 χ^2/NDF: 46.8/51


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 2941.812+/-0.831 χ²/NDF:1342546.7/8
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3772.211+/-1.021 χ²/NDF:327203.3/7
Left: 3272.284+/-0.644 χ²/NDF: 2067601.5/16
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3628.416+/-0.691 χ²/NDF:717675.6/23
Out: 2892.215+/-0.571 χ²/NDF:2848677.8/27
All: 3191.012+/-0.440 χ²/NDF: 4241648.4/51



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: -304.385+/-485.703 χ^2/NDF:4.1/7

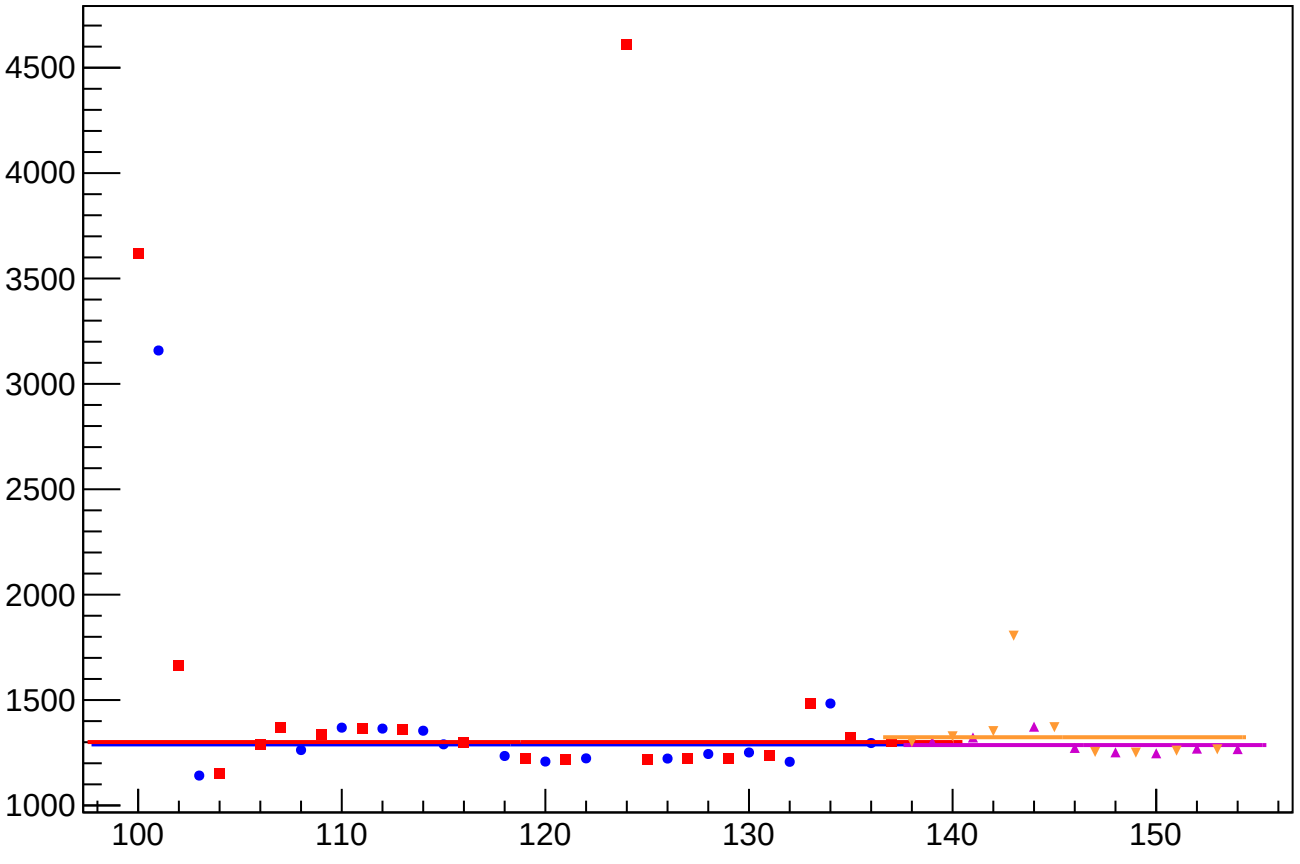
Left: 393.833+/-348.986 χ^2/NDF: 19.2/16

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 25.746+/-245.468 χ^2/NDF: 52.4/51



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: 1286.389+/-0.343 χ^2/NDF:12767.7/7

Left: 1304.397+/-0.247 χ^2/NDF: 156120.2/16

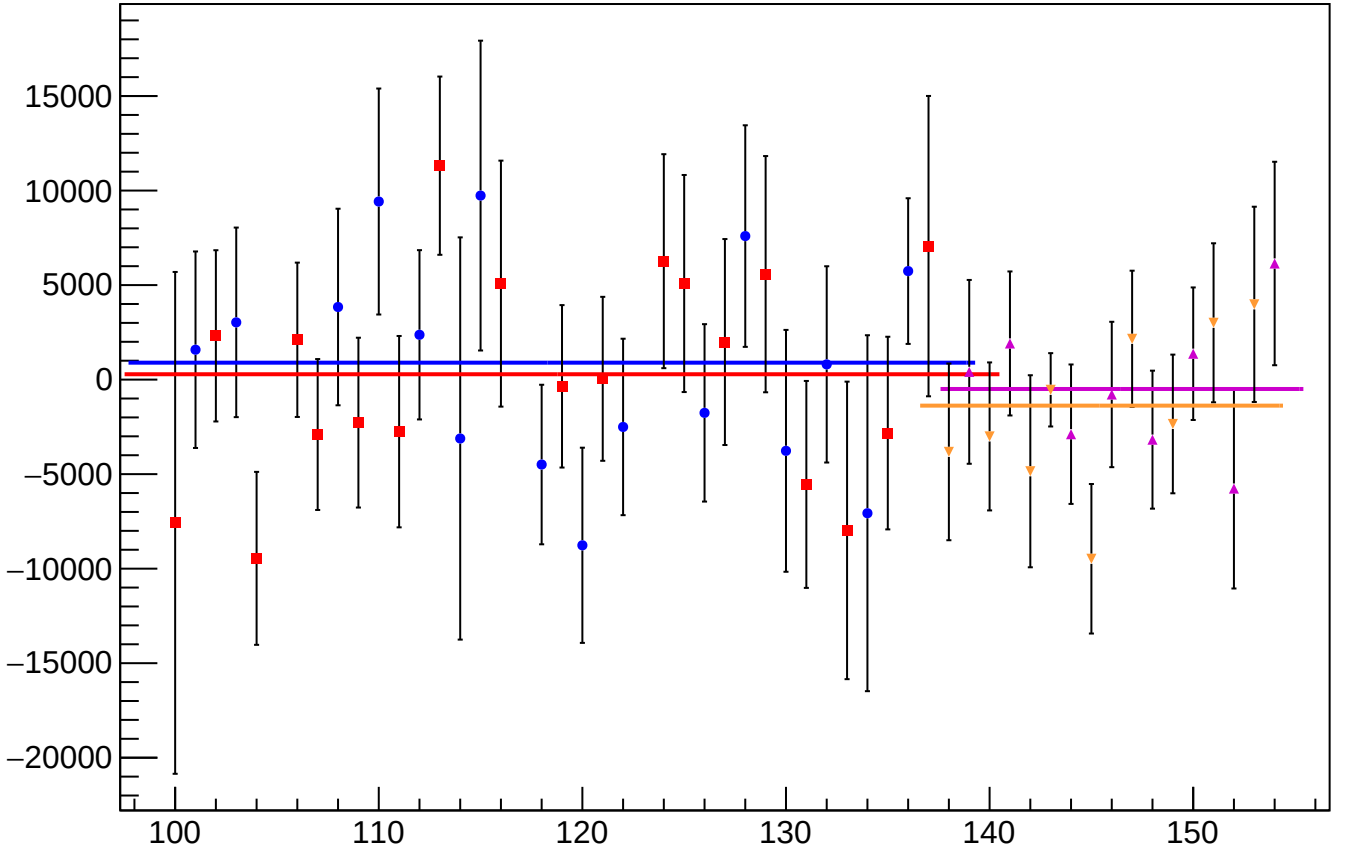
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1299.691+/-0.173 χ^2/NDF: 997951.9/51

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: -495.604+/-1444.611 χ^2/NDF:4.2/7

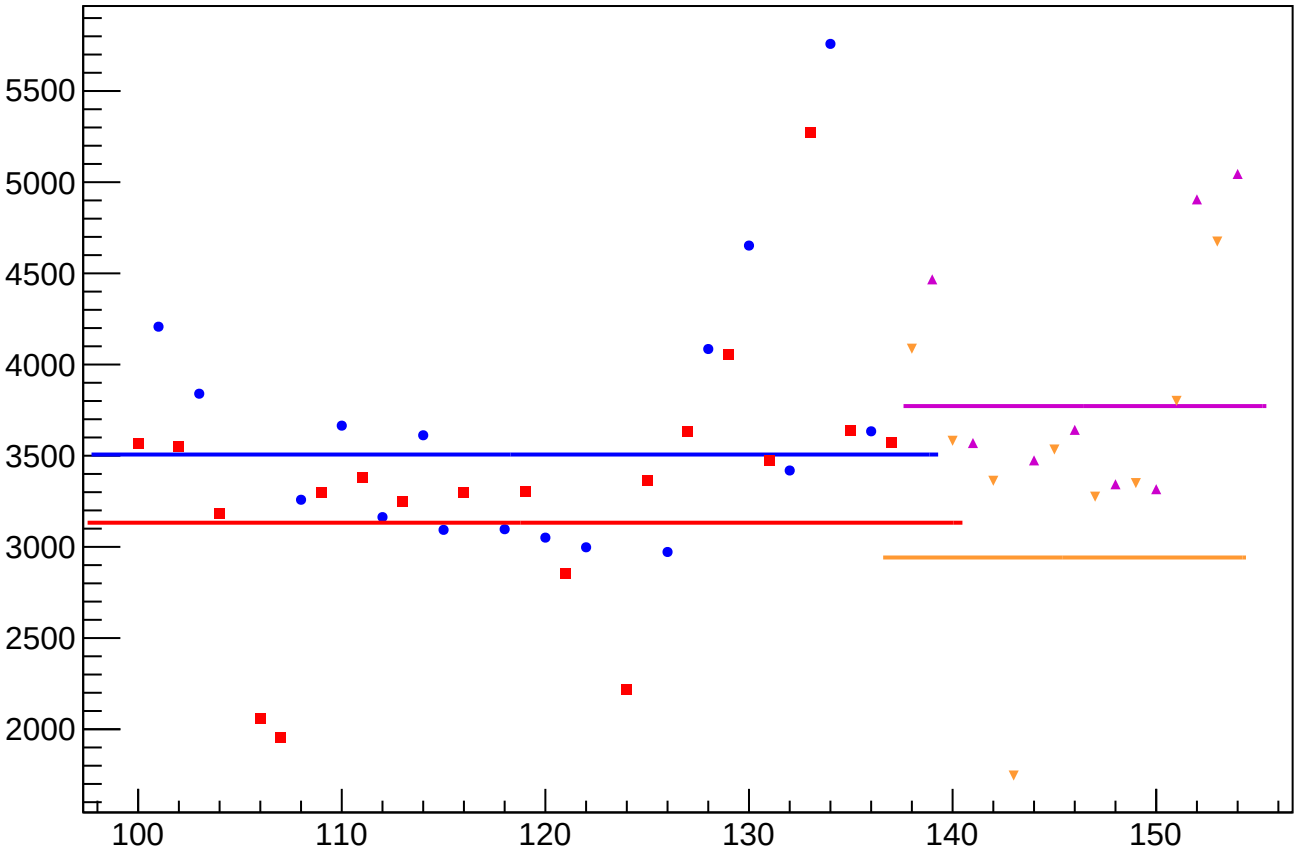
Left: -1025.808+/-911.327 χ^2/NDF: 12.9/16

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 260.287+/-976.398 χ^2/NDF:18.8/23

Out: -552.250+/-833.557 χ^2/NDF:28.1/27

All: -209.710+/-633.959 χ^2/NDF: 47.3/51



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: 3772.206+/-1.021 χ^2/NDF:327202.8/7

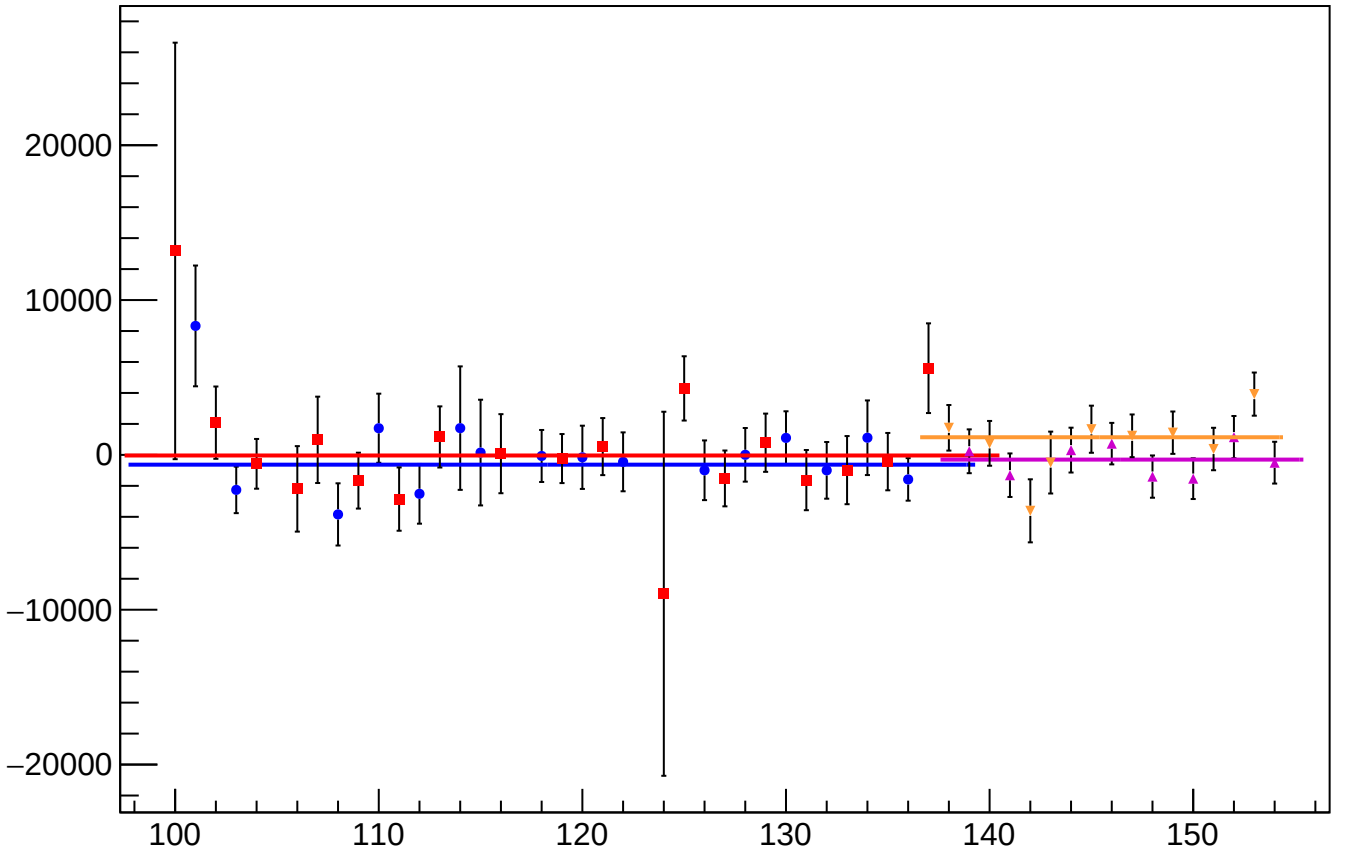
Left: 3272.275+/-0.644 χ^2/NDF: 2067629.8/16

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3285.801+/-0.448 χ^2/NDF: 3159951.8/51



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: -304.385+/-485.703 χ^2/NDF:4.1/7

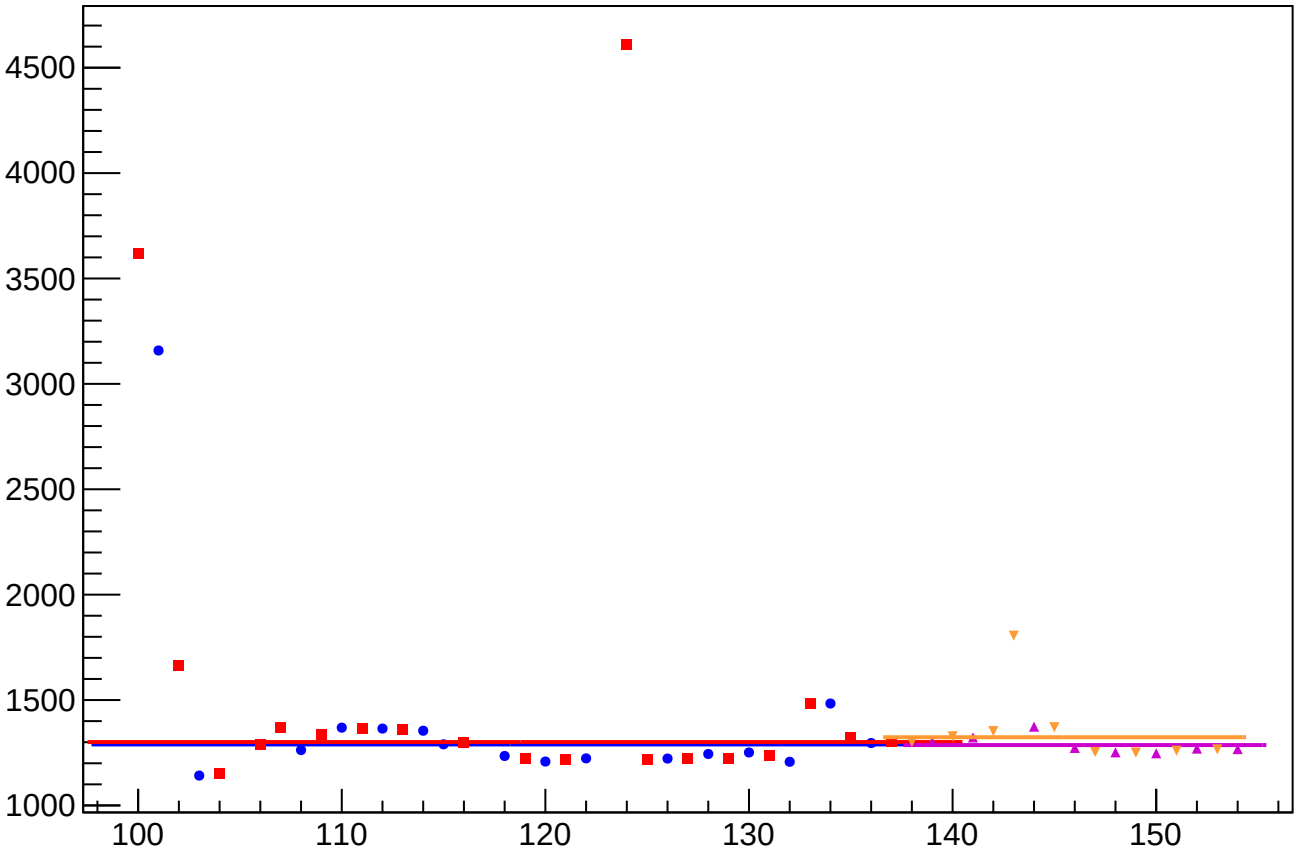
Left: 393.833+/-348.986 χ^2/NDF: 19.2/16

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 25.746+/-245.468 χ^2/NDF: 52.4/51



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: 1286.389+/-0.343 χ^2/NDF:12767.7/7

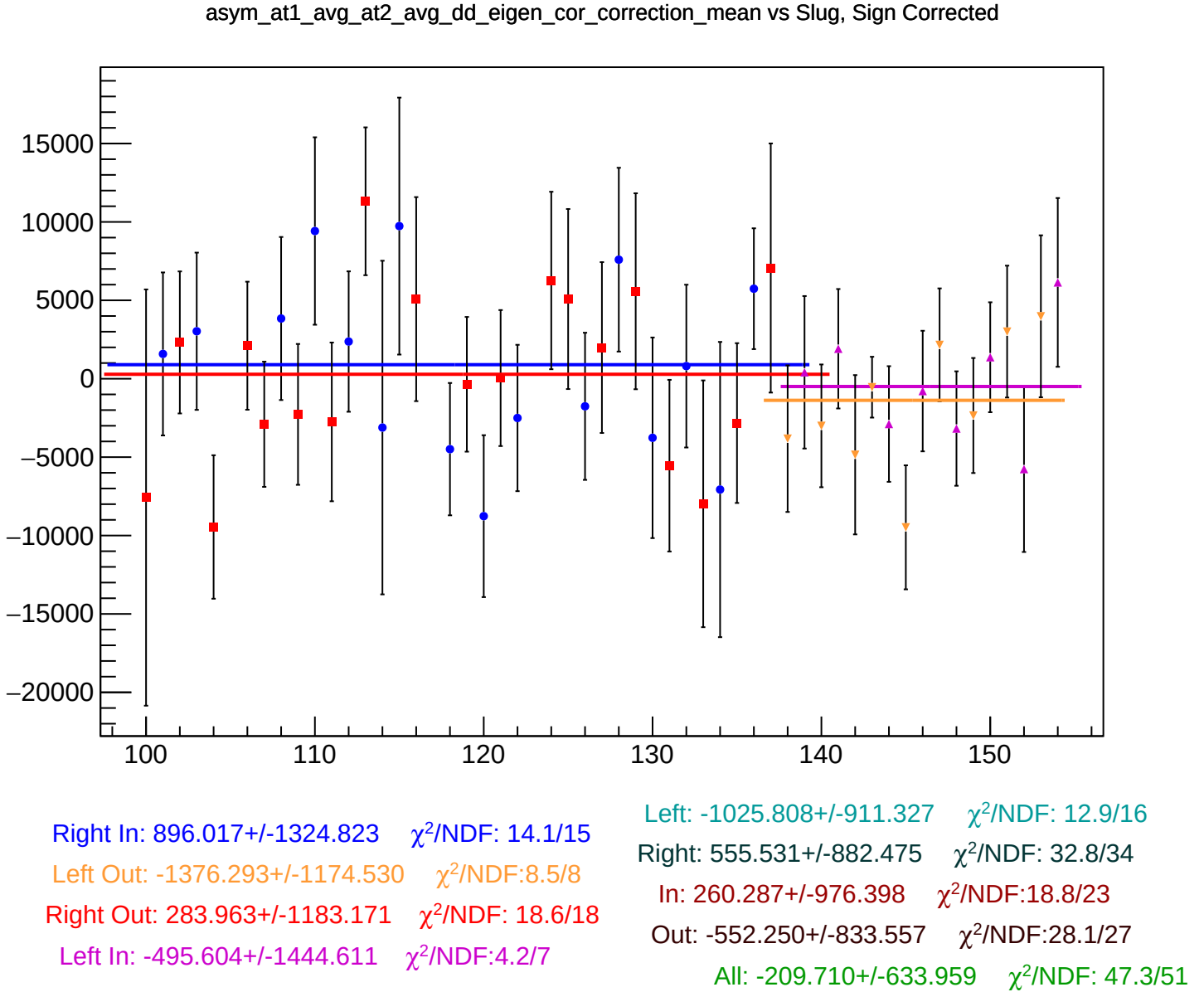
Left: 1304.397+/-0.247 χ^2/NDF: 156120.2/16

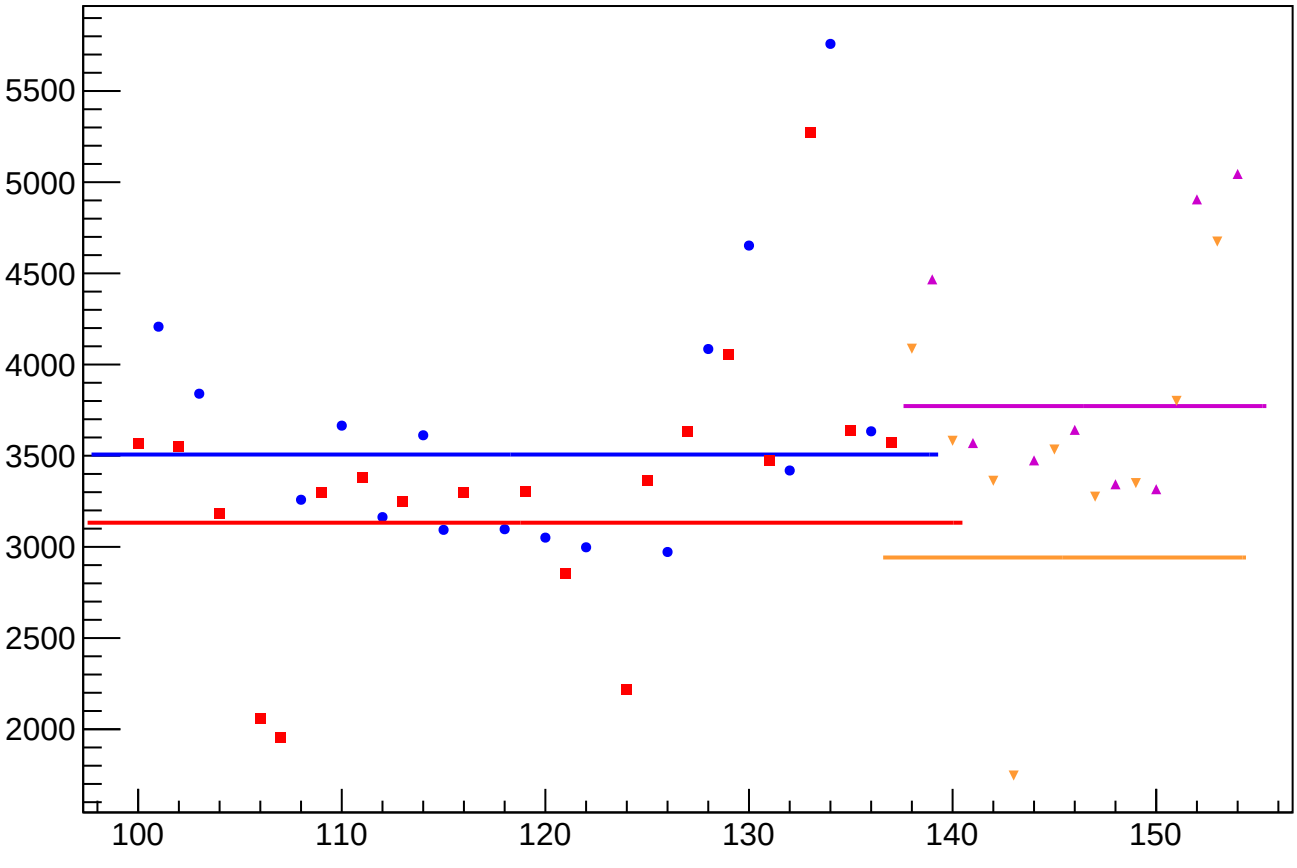
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1299.691+/-0.173 χ^2/NDF: 997951.9/51


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: -495.604+/-1444.611 χ²/NDF:4.2/7
Left: -1025.808+/-911.327 χ²/NDF: 12.9/16
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 260.287+/-976.398 χ²/NDF:18.8/23
Out: -552.250+/-833.557 χ²/NDF:28.1/27
All: -209.710+/-633.959 χ²/NDF: 47.3/51



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: 3772.206+/-1.021 χ^2/NDF:327202.8/7

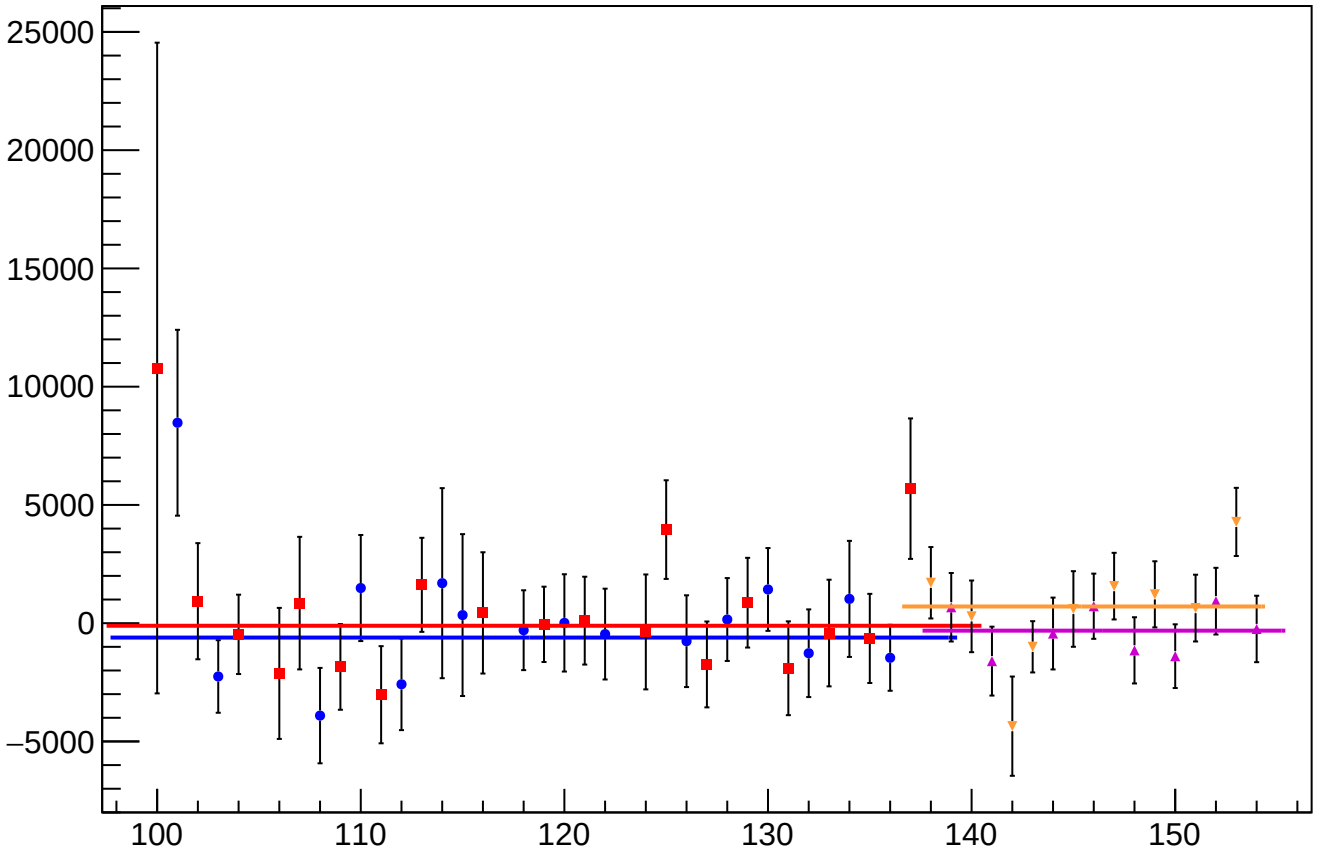
Left: 3272.275+/-0.644 χ^2/NDF: 2067629.8/16

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3285.801+/-0.448 χ^2/NDF: 3159951.8/51



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: -315.673+/-501.326 χ^2/NDF:3.6/7

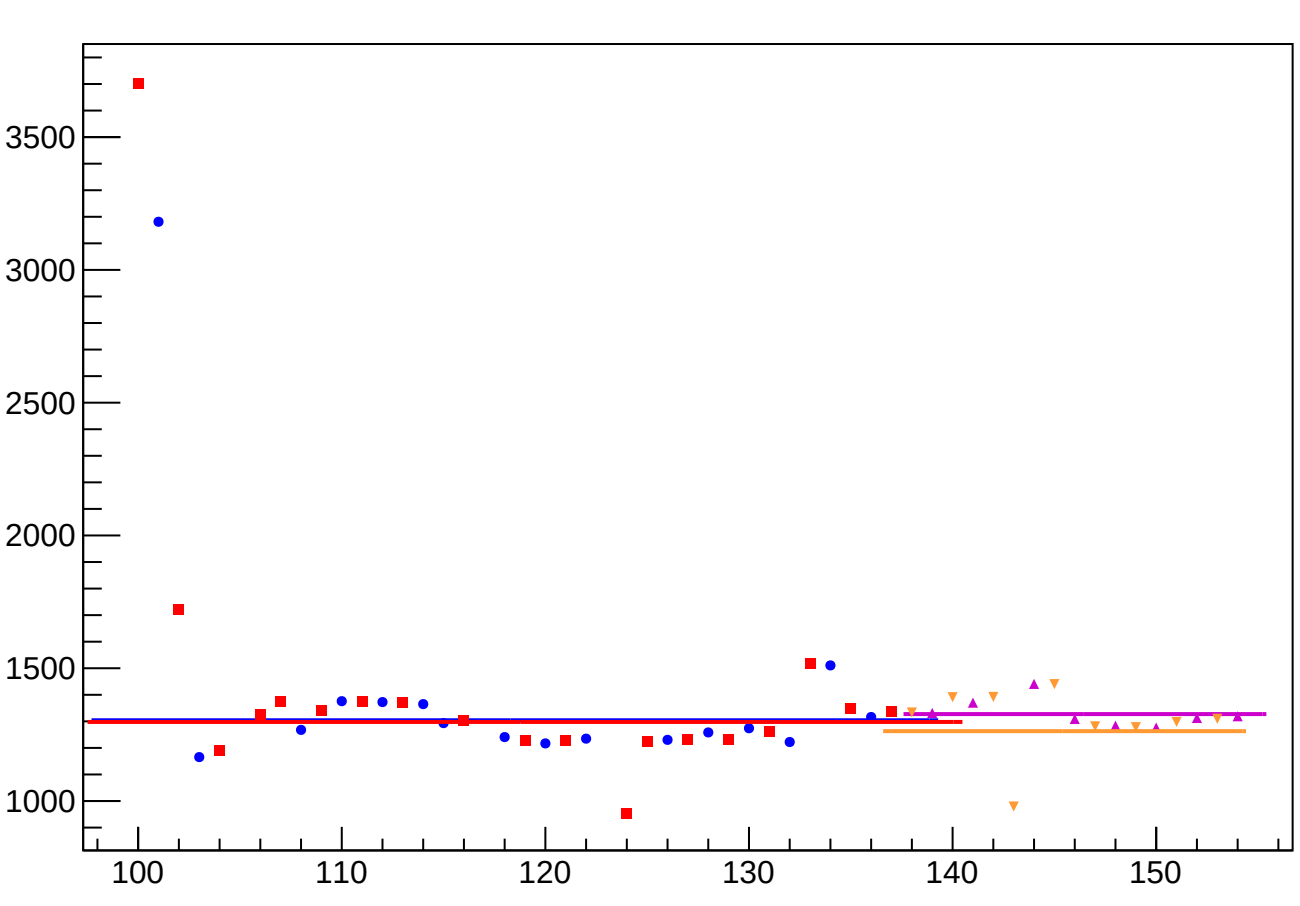
Left: 217.575+/-346.654 χ^2/NDF: 21.2/16

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -463.848+/-351.938 χ^2/NDF:17.9/23

Out: 303.565+/-341.308 χ^2/NDF:31.8/27

All: -68.378+/-245.013 χ^2/NDF: 52.1/51



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: 1327.399+/-0.354 χ^2/NDF:18384.6/7

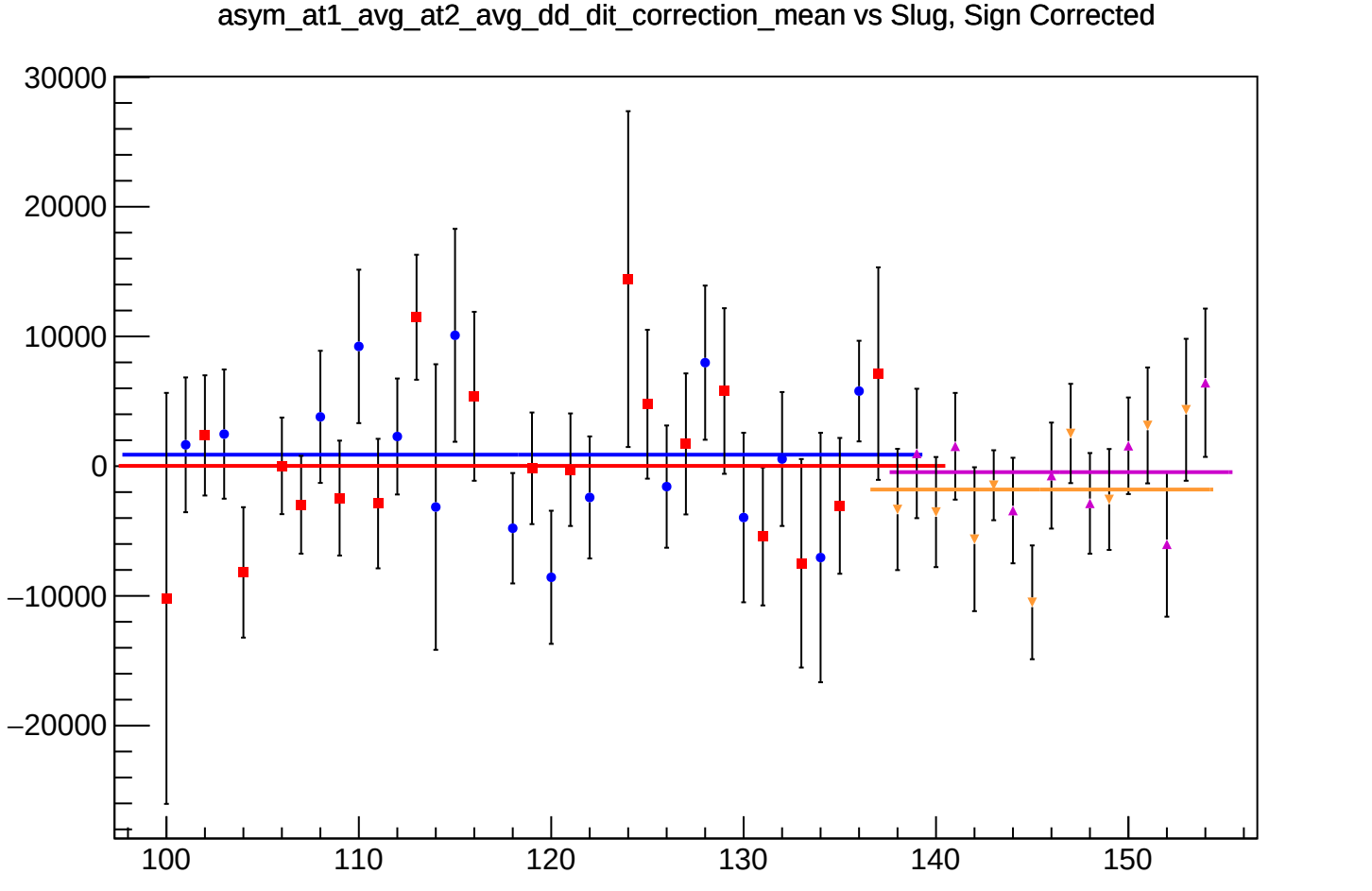
Left: 1293.869+/-0.245 χ^2/NDF: 227218.6/16

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

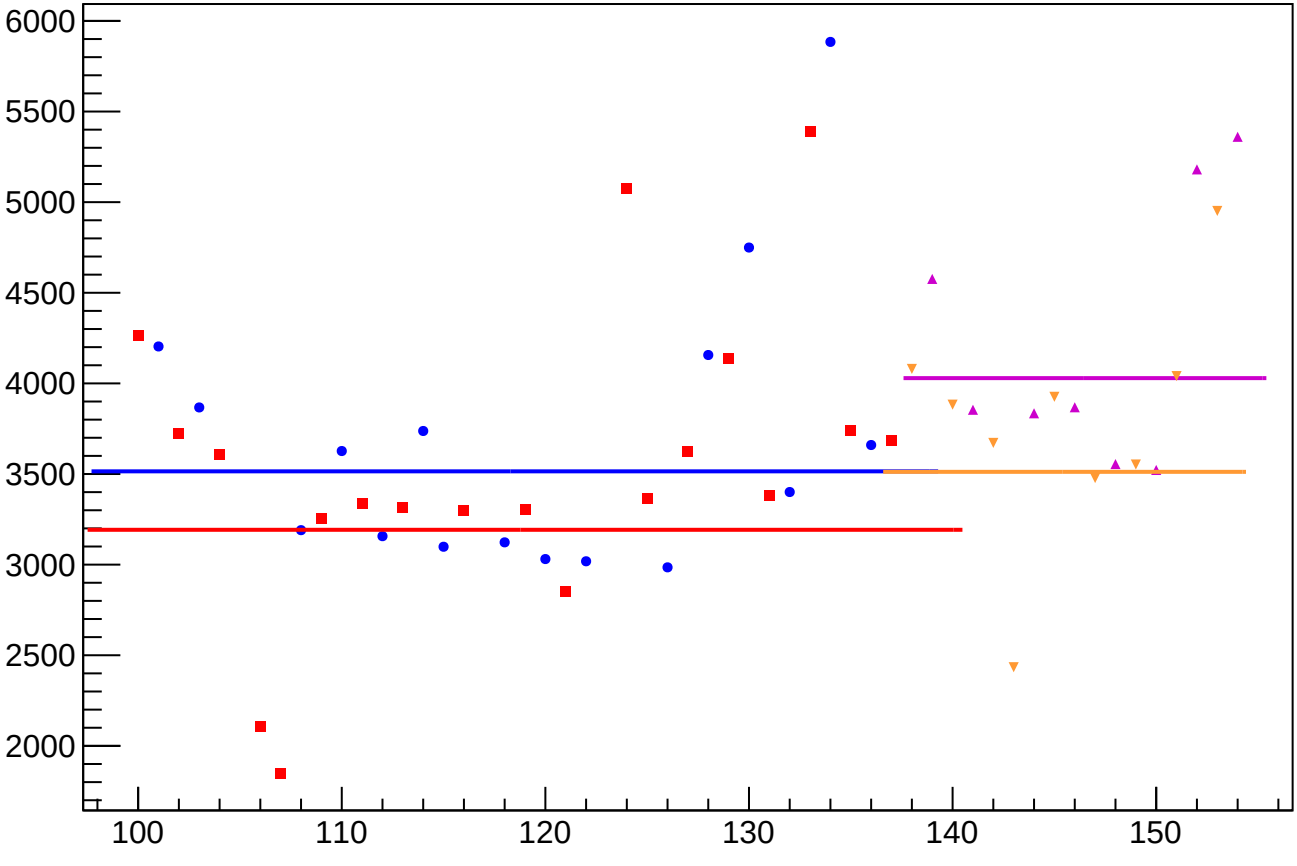
In: 1315.584+/-0.249 χ^2/NDF:531164.5/23

Out: 1280.281+/-0.241 χ^2/NDF:409942.8/27

All: 1297.385+/-0.173 χ^2/NDF: 951481.6/51


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: -460.355+/-1541.521 χ²/NDF:4.0/7
Left: -1214.727+/-1019.595 χ²/NDF: 12.9/16
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 311.636+/-1005.869 χ²/NDF:18.5/23
Out: -777.311+/-899.648 χ²/NDF:26.3/27
All: -293.352+/-670.567 χ²/NDF: 45.5/51

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: 4029.067+/-1.090 χ^2/NDF:295872.9/7

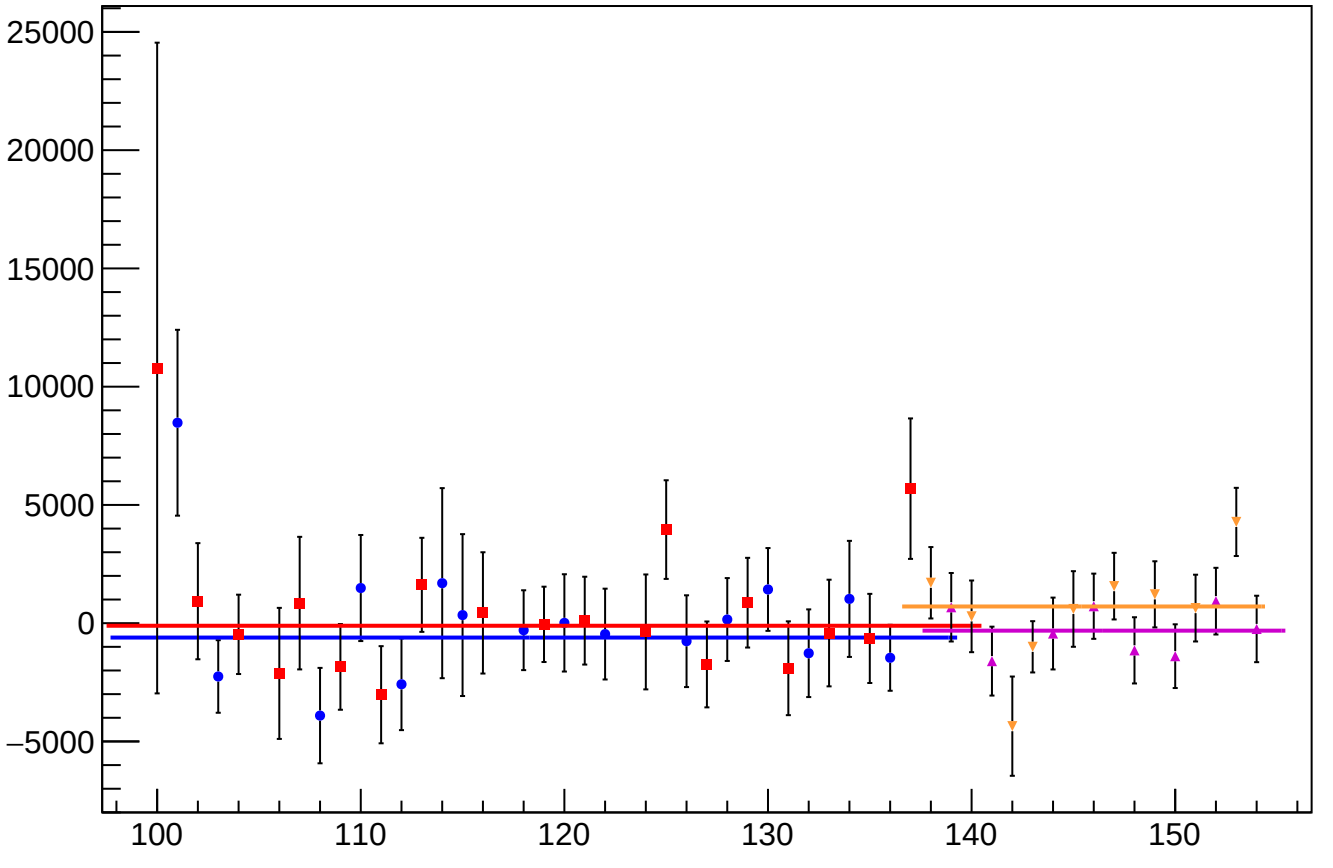
Left: 3738.209+/-0.721 χ^2/NDF: 972932.0/16

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3733.733+/-0.711 χ^2/NDF:798795.5/23

Out: 3332.262+/-0.636 χ^2/NDF:1385186.5/27

All: 3510.687+/-0.474 χ^2/NDF: 2360990.4/51



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: -315.671+/-501.326 χ^2/NDF:3.6/7

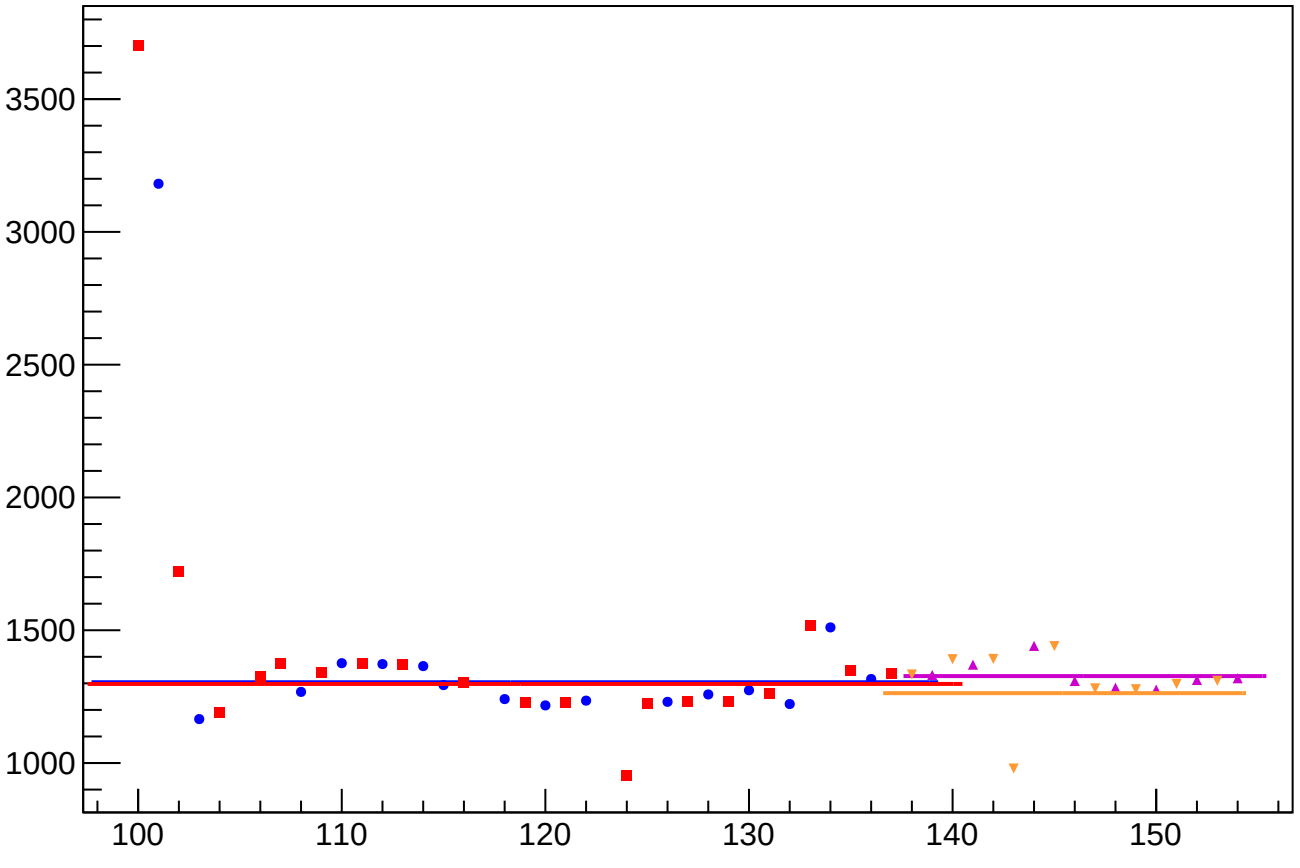
Left: 217.575+/-346.654 χ^2/NDF: 21.2/16

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -463.849+/-351.938 χ^2/NDF:17.9/23

Out: 303.562+/-341.309 χ^2/NDF:31.8/27

All: -68.380+/-245.013 χ^2/NDF: 52.1/51



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: 1327.400+/-0.354 χ^2/NDF:18384.7/7

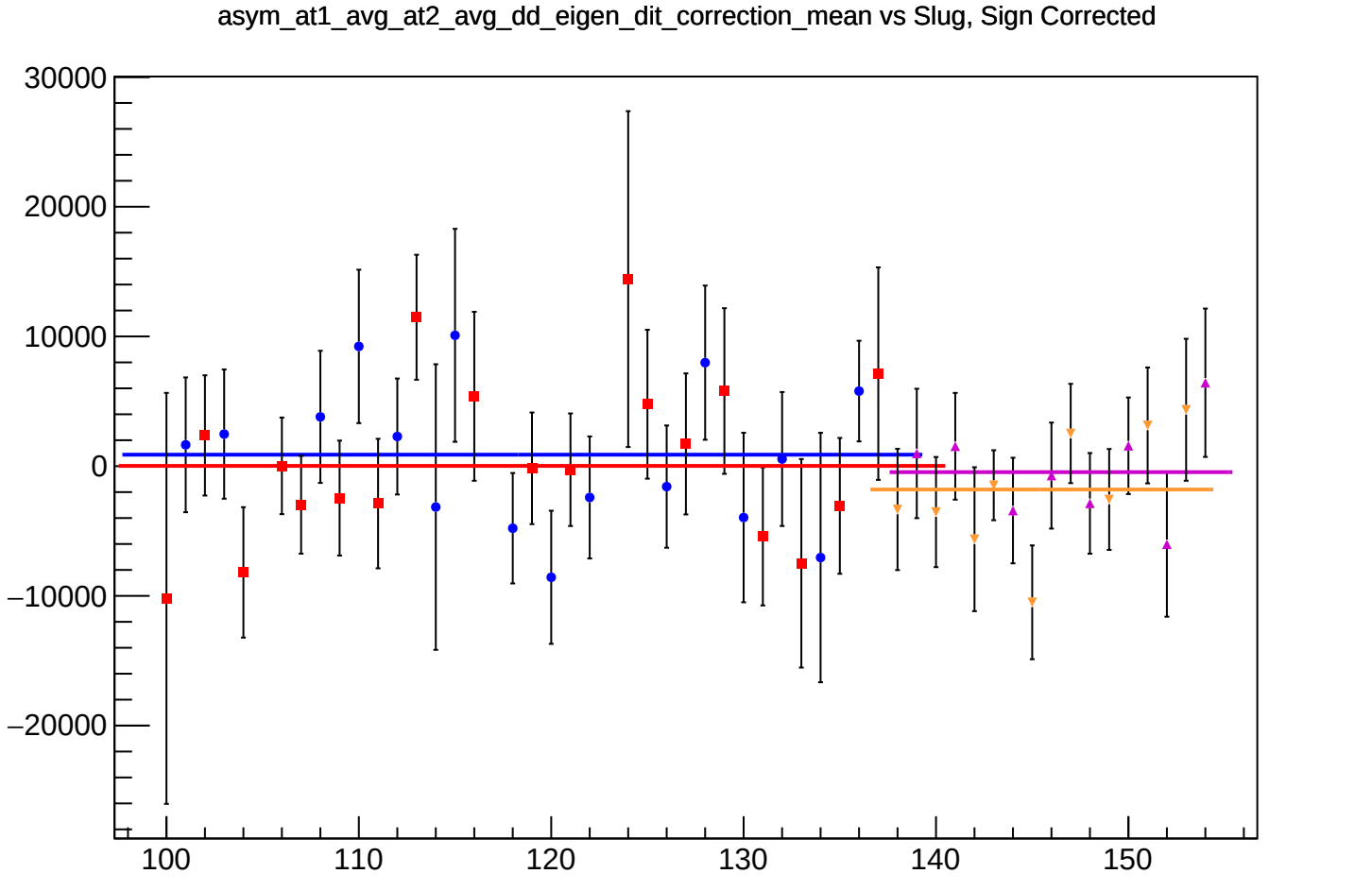
Left: 1293.870+/-0.245 χ^2/NDF: 227219.0/16

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

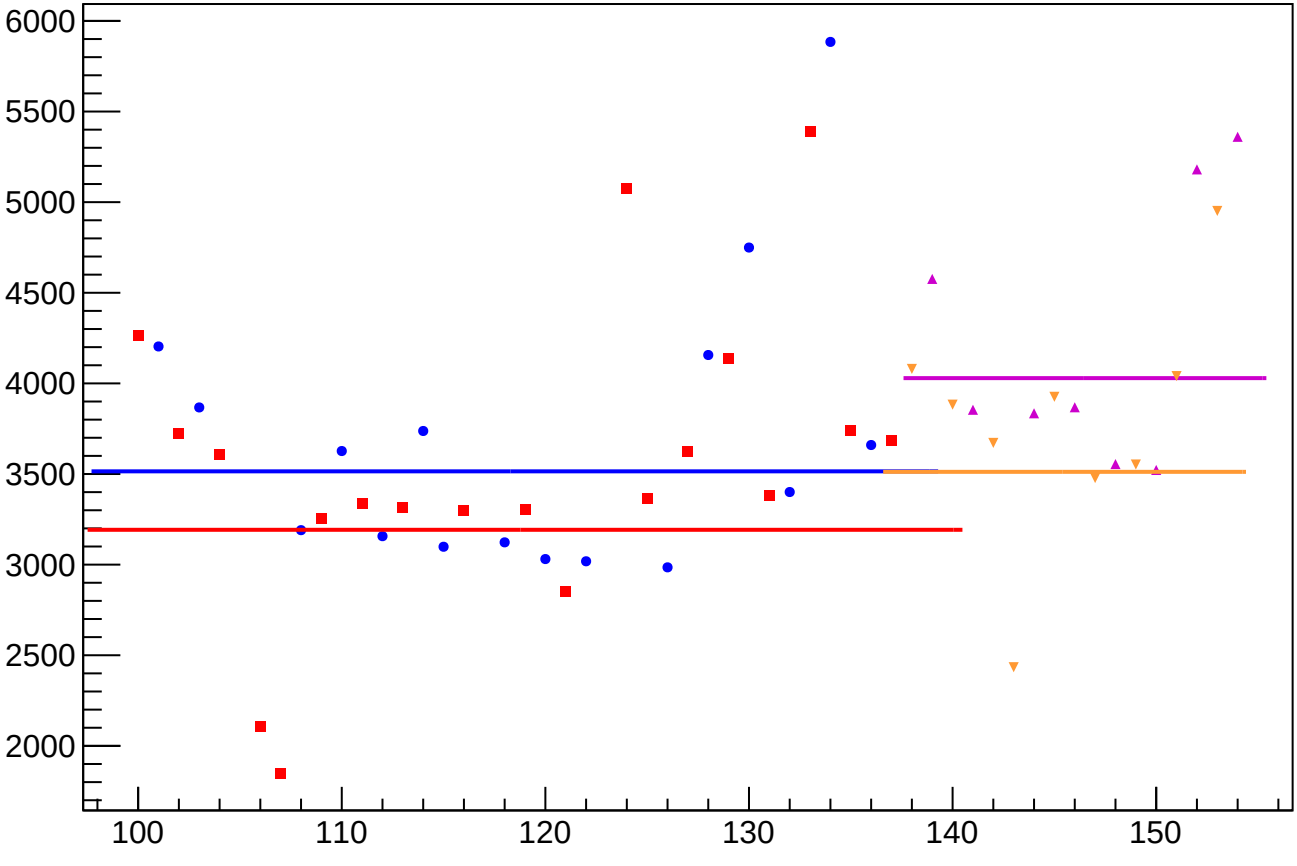
In: 1315.584+/-0.249 χ^2/NDF:531164.9/23

Out: 1280.281+/-0.241 χ^2/NDF:409942.9/27

All: 1297.385+/-0.173 χ^2/NDF: 951482.1/51


asym_at1_avg_at2_avg_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: -460.354+/-1541.523 χ²/NDF:4.0/7
Left: -1214.725+/-1019.596 χ²/NDF: 12.9/16
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 311.633+/-1005.868 χ²/NDF:18.5/23
Out: -777.309+/-899.647 χ²/NDF:26.3/27
All: -293.352+/-670.567 χ²/NDF: 45.5/51

asym_at1_avg_at2_avg_dd_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: 4029.072+/-1.090 χ^2/NDF:295873.4/7

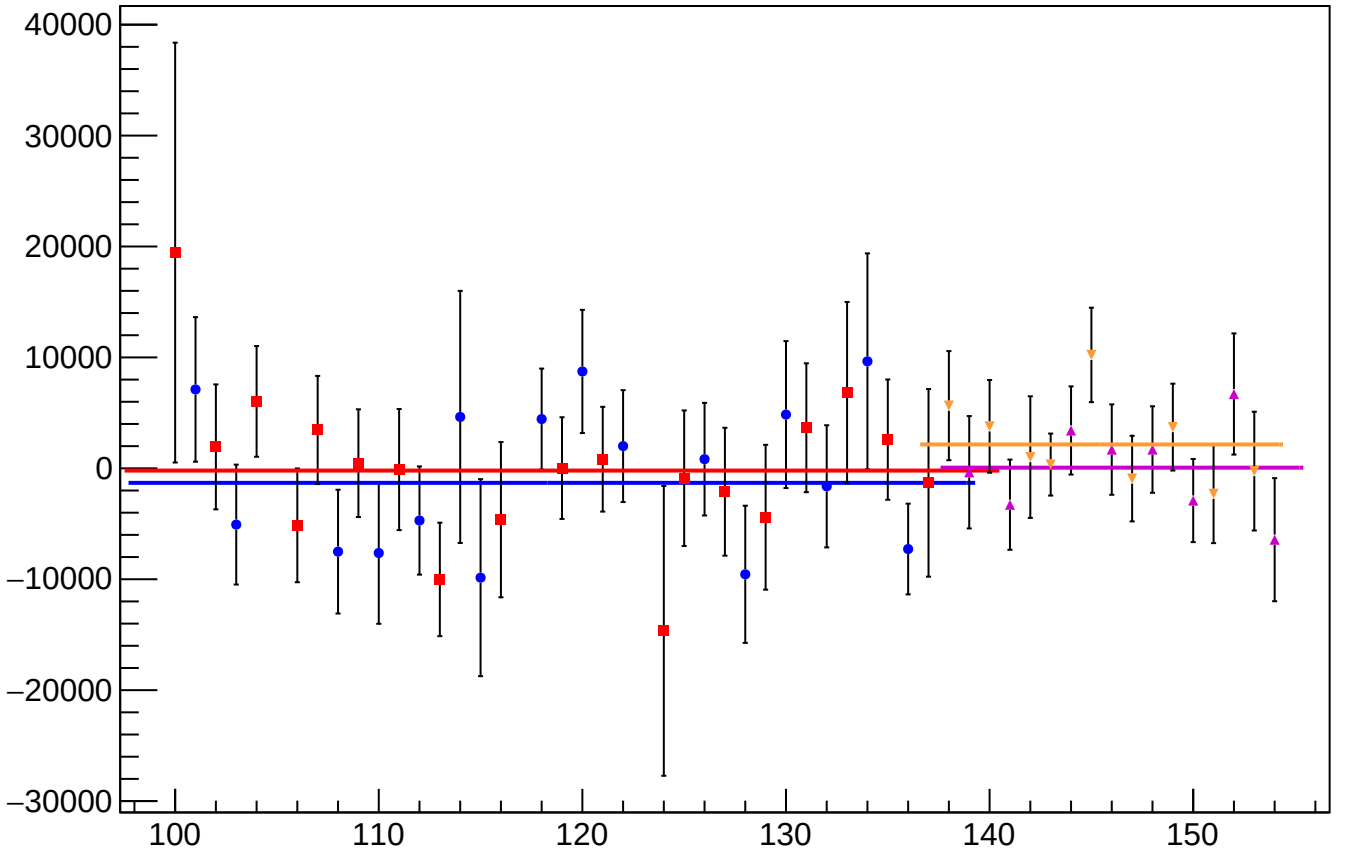
Left: 3738.214+/-0.721 χ^2/NDF: 972932.6/16

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3733.729+/-0.711 χ^2/NDF:798807.3/23

Out: 3332.259+/-0.636 χ^2/NDF:1385193.9/27

All: 3510.684+/-0.474 χ^2/NDF: 2361009.0/51



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: 60.364+/-1532.346 χ^2/NDF:5.2/7

Left: 1223.315+/-1021.344 χ^2/NDF: 12.9/16

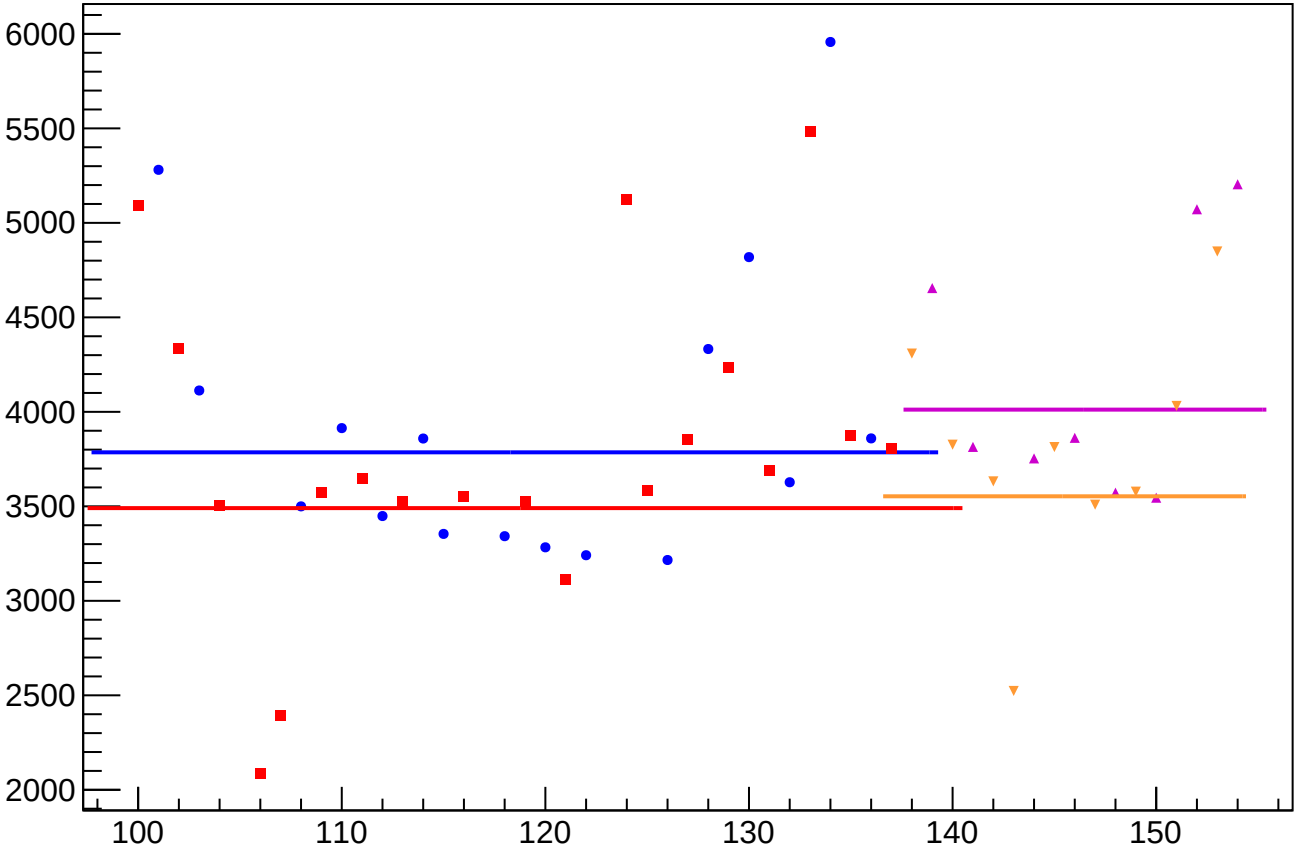
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -670.985+/-1046.108 χ^2/NDF:23.2/23

Out: 946.121+/-956.525 χ^2/NDF:19.9/27

All: 209.761+/-705.915 χ^2/NDF: 44.4/51

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: 4011.759+/-1.084 χ^2/NDF:272083.9/7

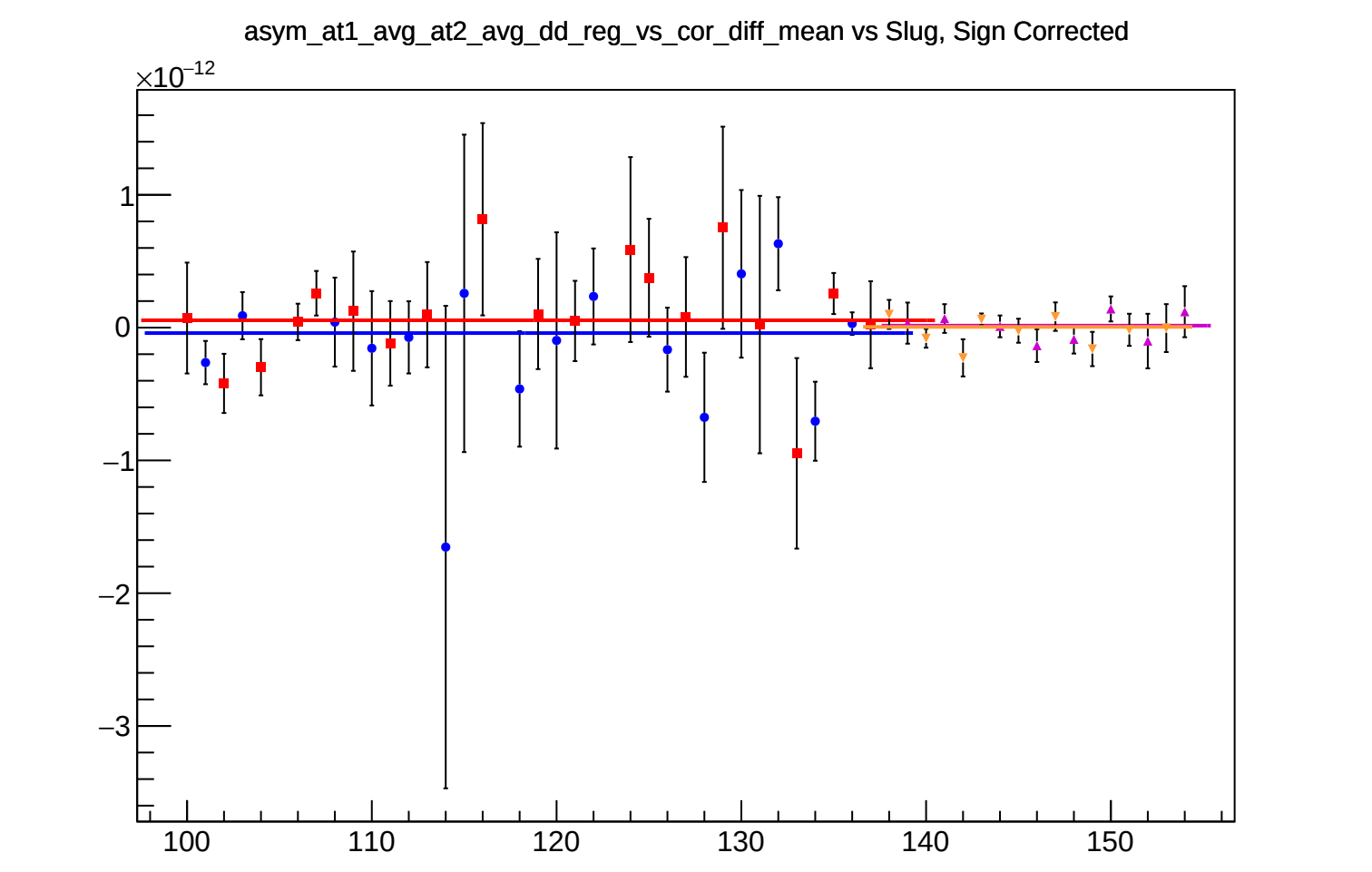
Left: 3756.864+/-0.722 χ^2/NDF: 847437.4/16

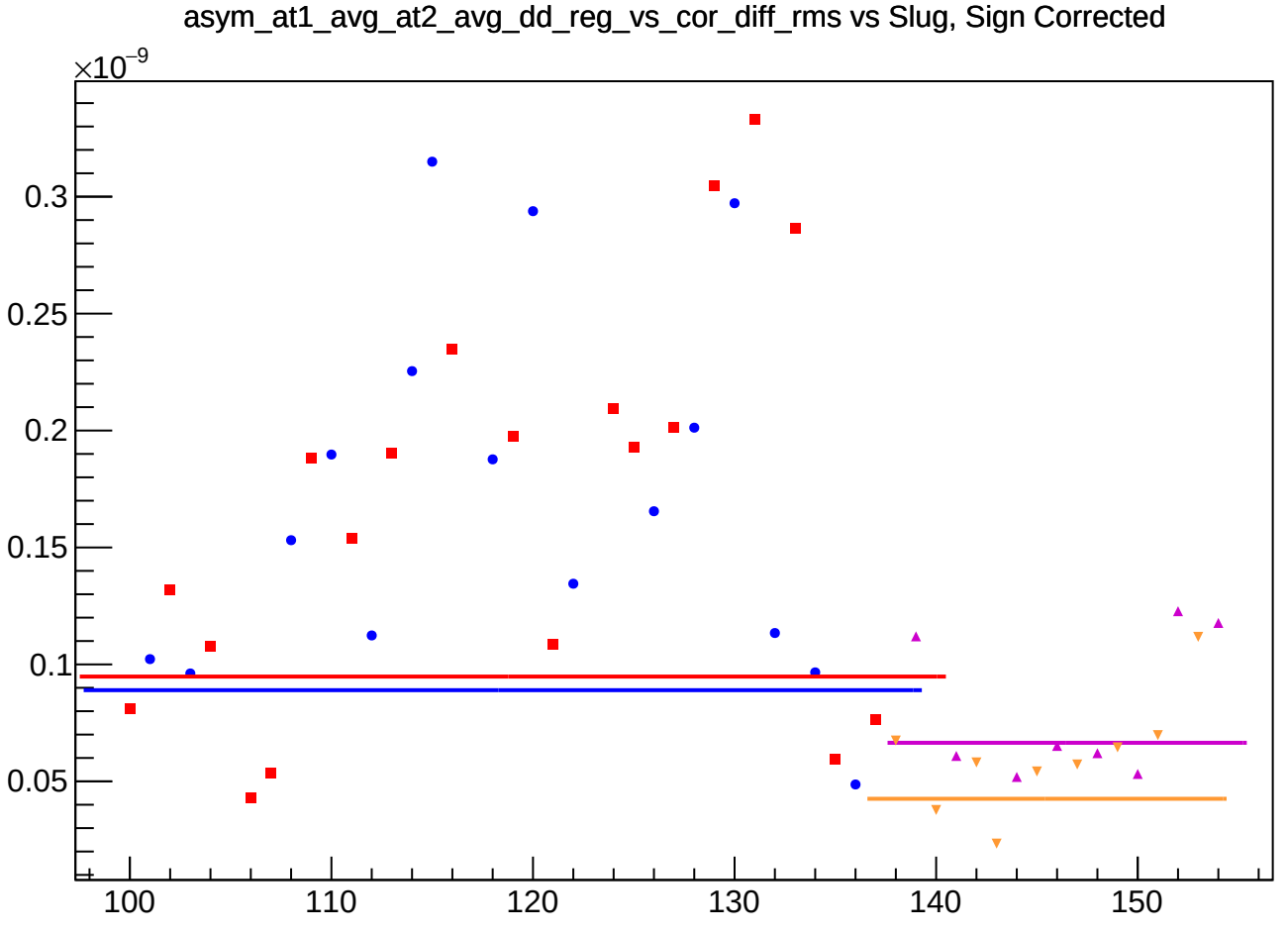
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3891.095+/-0.740 χ^2/NDF:678302.8/23

Out: 3520.647+/-0.672 χ^2/NDF:1064652.1/27

All: 3688.033+/-0.497 χ^2/NDF: 1880434.0/51


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:5.1/7
Left: 0.000+/-0.000 χ²/NDF: 14.1/16
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:22.3/23
Out: 0.000+/-0.000 χ²/NDF:25.4/27
All: 0.000+/-0.000 χ²/NDF: 47.9/51



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:577604.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2076212.1/16

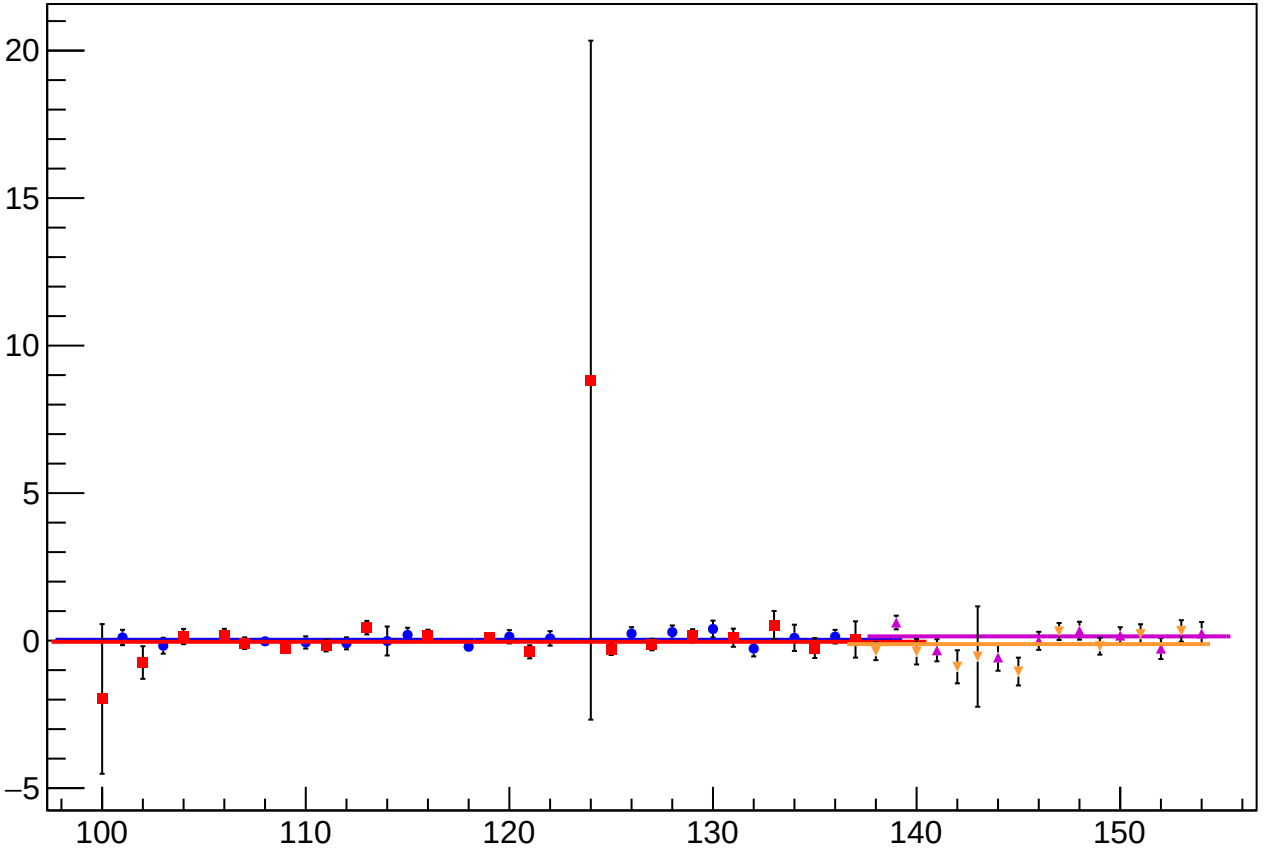
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2234118.2/23

Out: 0.000+/-0.000 χ^2/NDF:3888605.4/27

All: 0.000+/-0.000 χ^2/NDF: 6682234.7/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

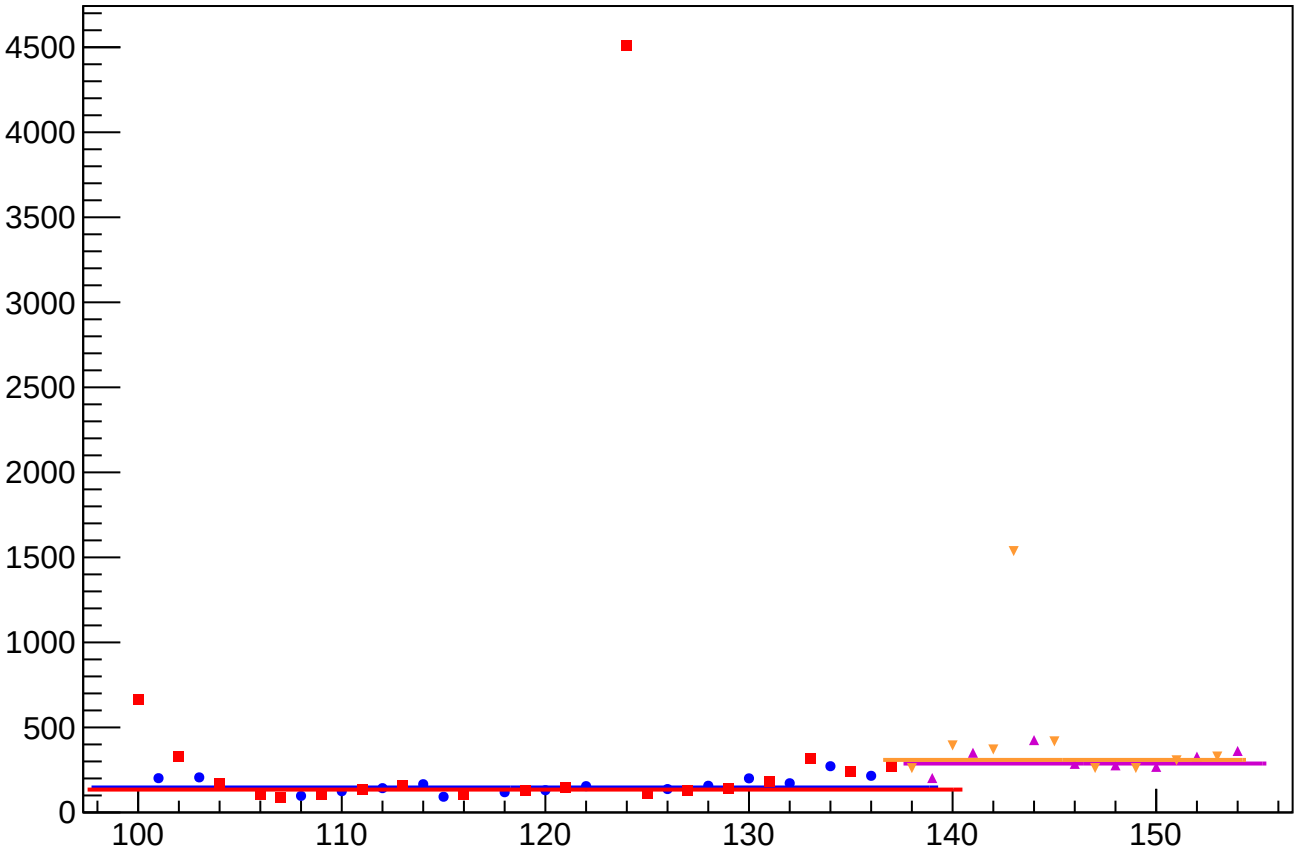
Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51



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: 287.728+/-0.079 χ^2/NDF:624337.1/7

Left: 297.326+/-0.059 χ^2/NDF: 2074996.6/16

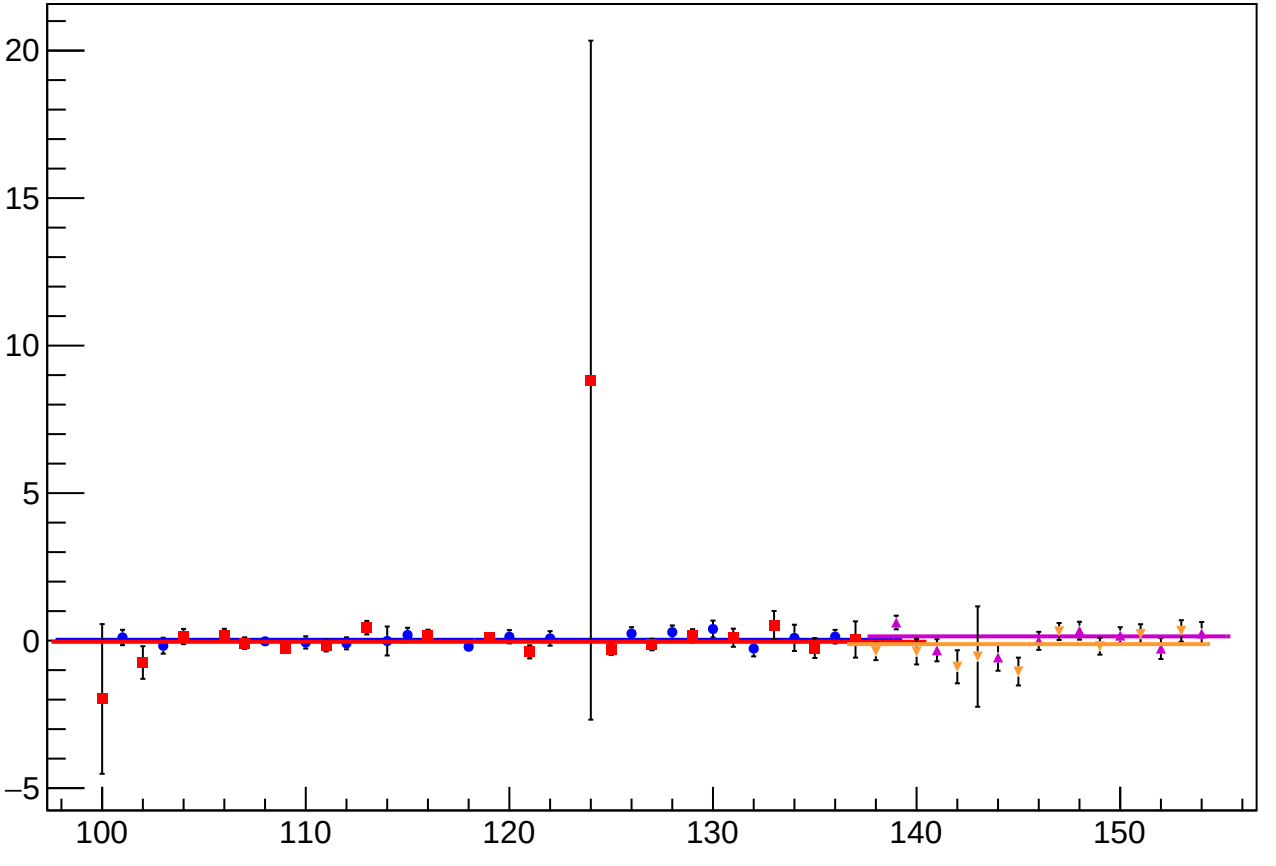
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 169.456+/-0.025 χ^2/NDF: 10518461.7/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

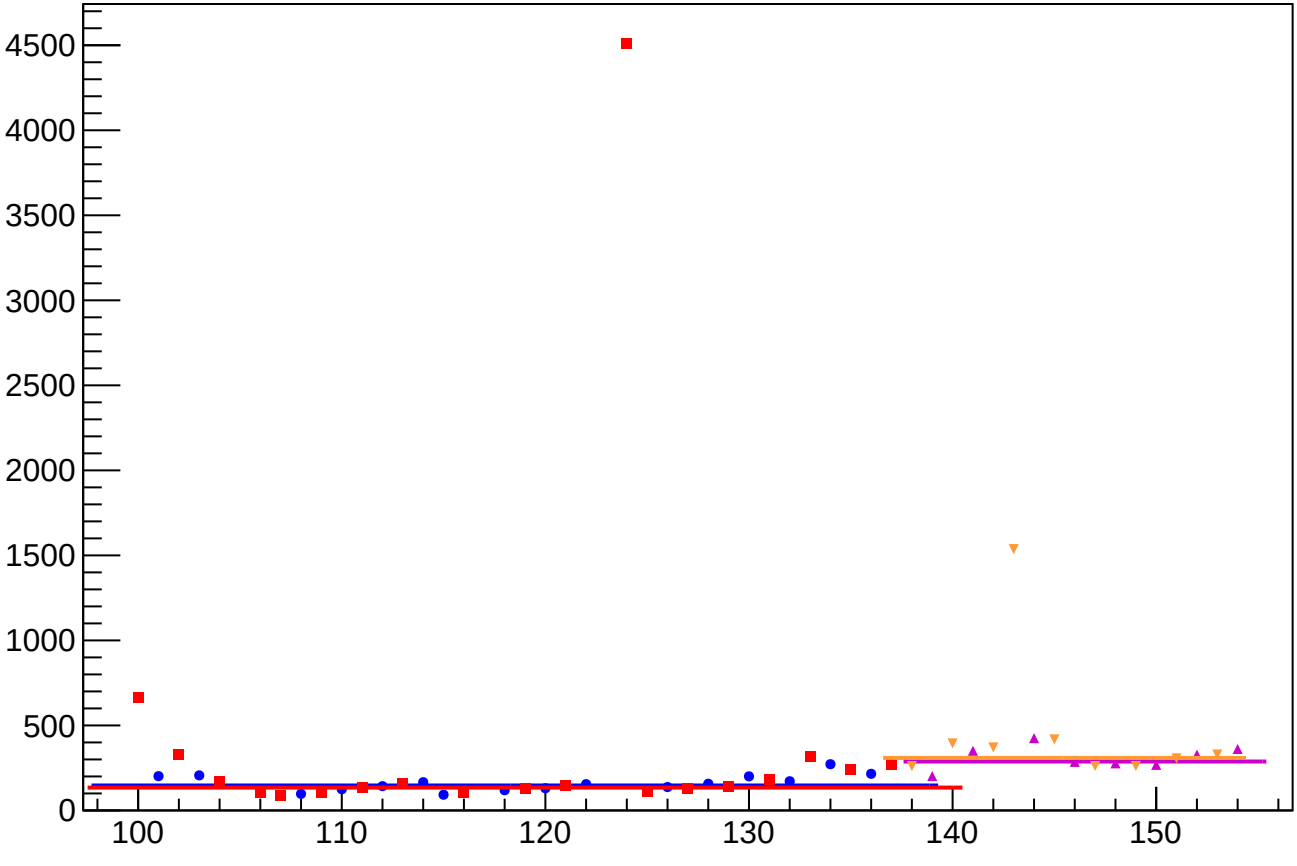
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.728+/-0.079 χ^2/NDF:624337.1/7

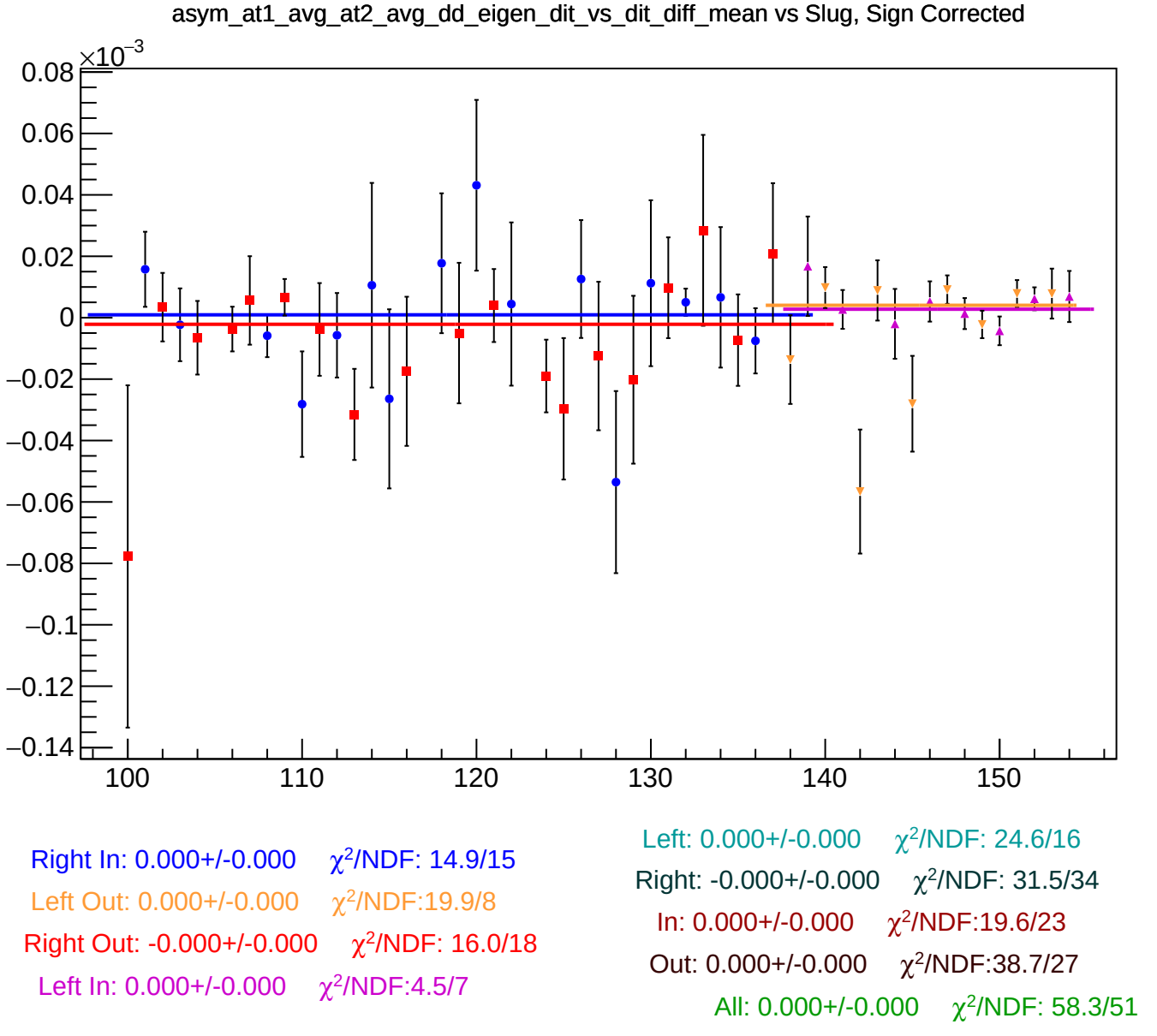
Left: 297.326+/-0.059 χ^2/NDF: 2074996.6/16

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

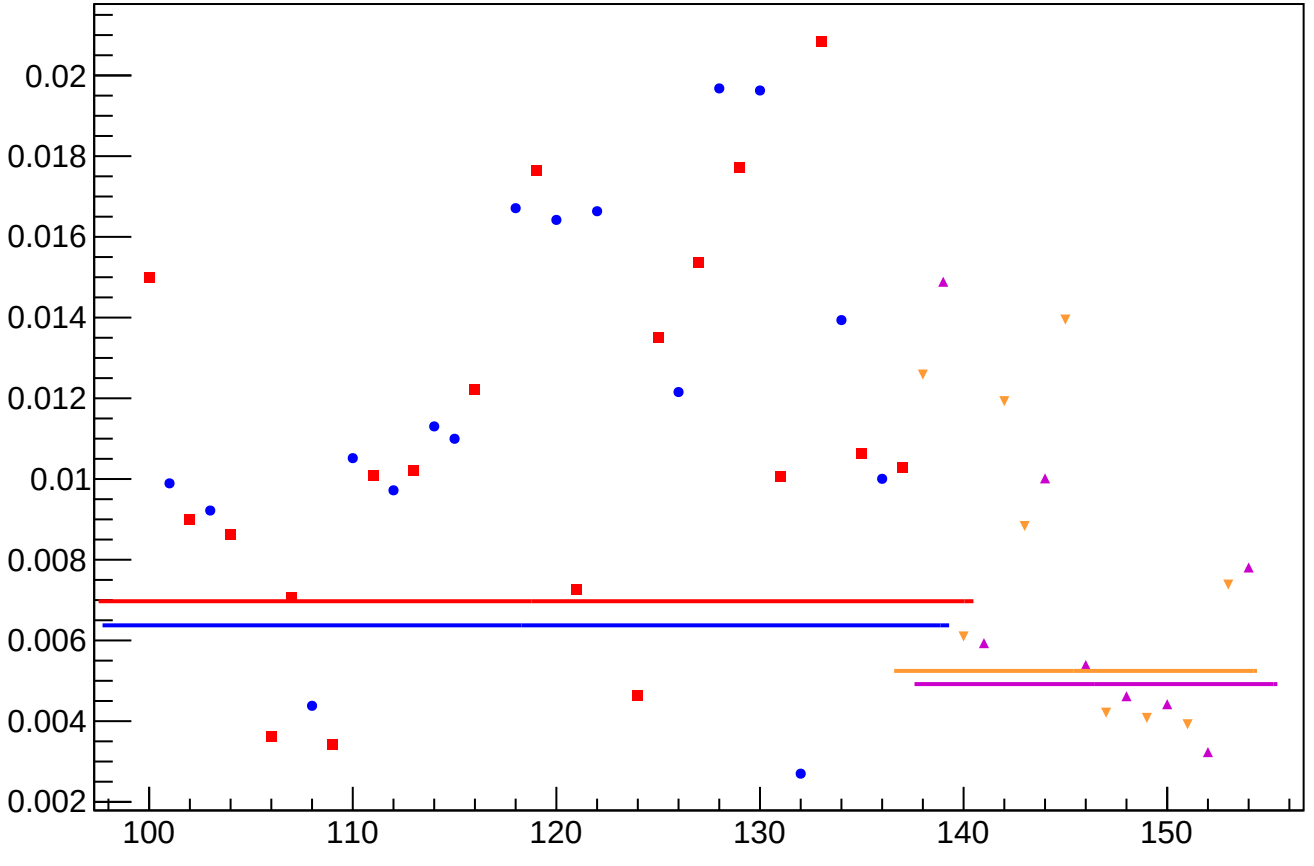
In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 169.456+/-0.025 χ^2/NDF: 10518461.7/51


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:4.5/7
Left: 0.000+/-0.000 χ²/NDF: 24.6/16
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:19.6/23
Out: 0.000+/-0.000 χ²/NDF:38.7/27
All: 0.000+/-0.000 χ²/NDF: 58.3/51

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:1899835.1/7

Left: 0.005+/-0.000 χ^2/NDF: 4139859.3/16

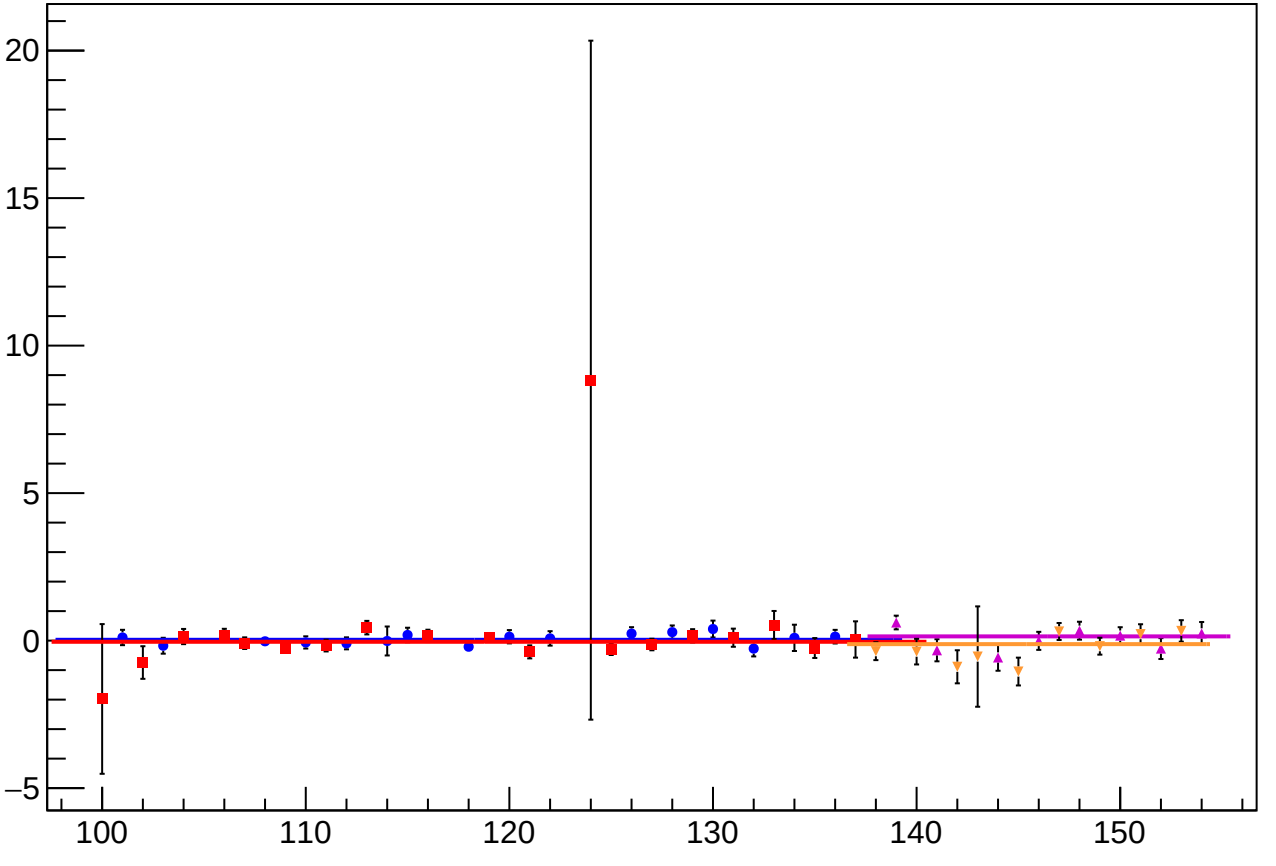
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6868250.1/23

Out: 0.006+/-0.000 χ^2/NDF:6056102.4/27

All: 0.006+/-0.000 χ^2/NDF: 12987120.7/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

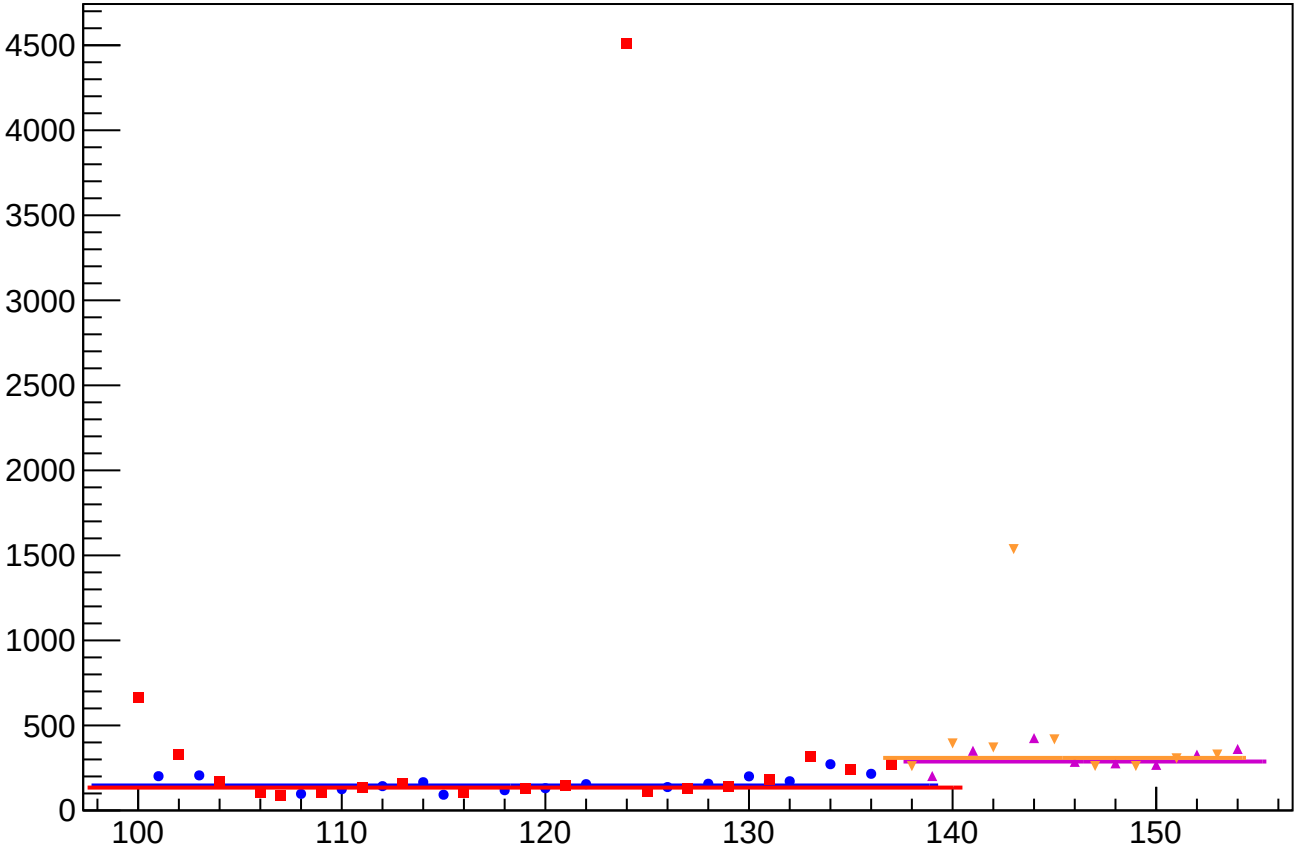
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.731+/-0.079 χ^2/NDF:624316.3/7

Left: 297.329+/-0.059 χ^2/NDF: 2074972.2/16

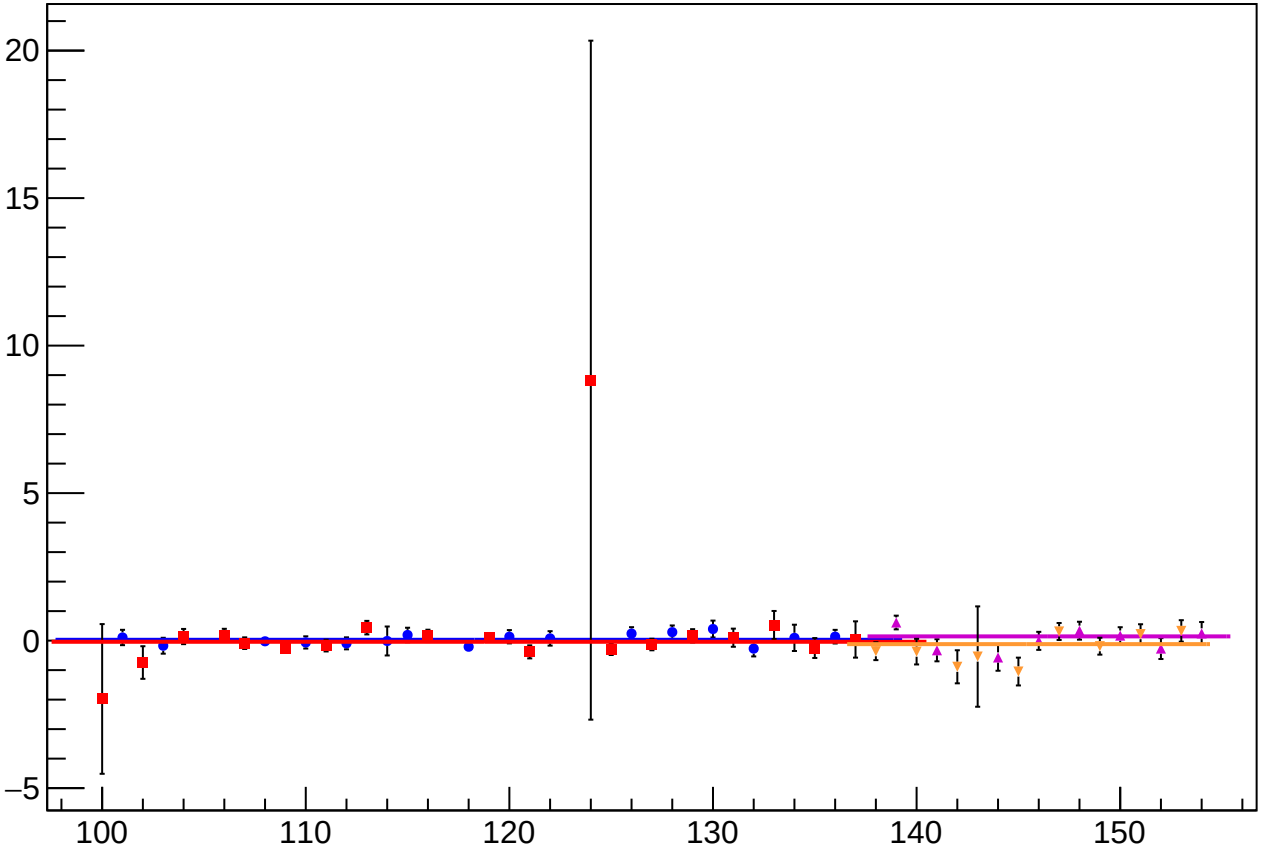
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 169.457+/-0.025 χ^2/NDF: 10518396.2/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

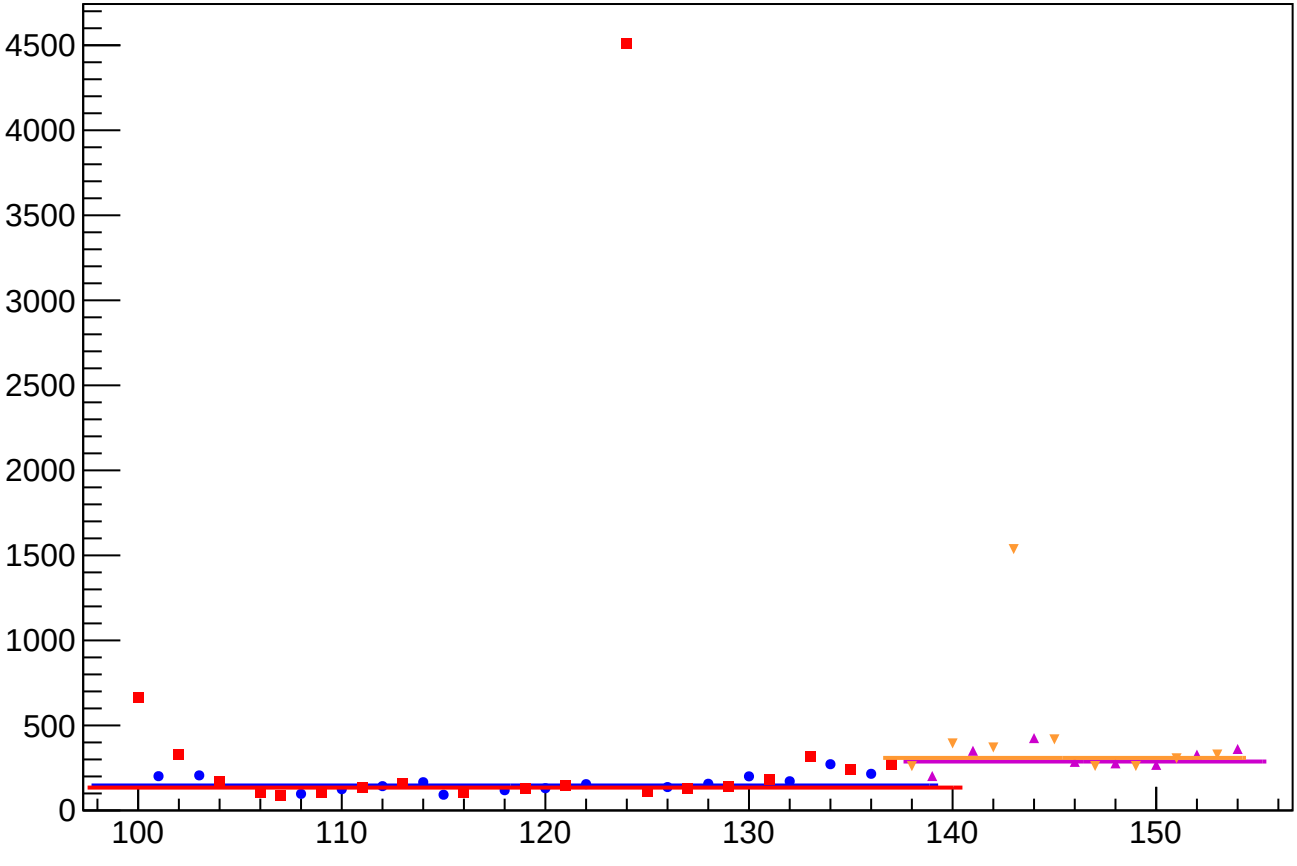
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.731+/-0.079 χ^2/NDF:624316.3/7

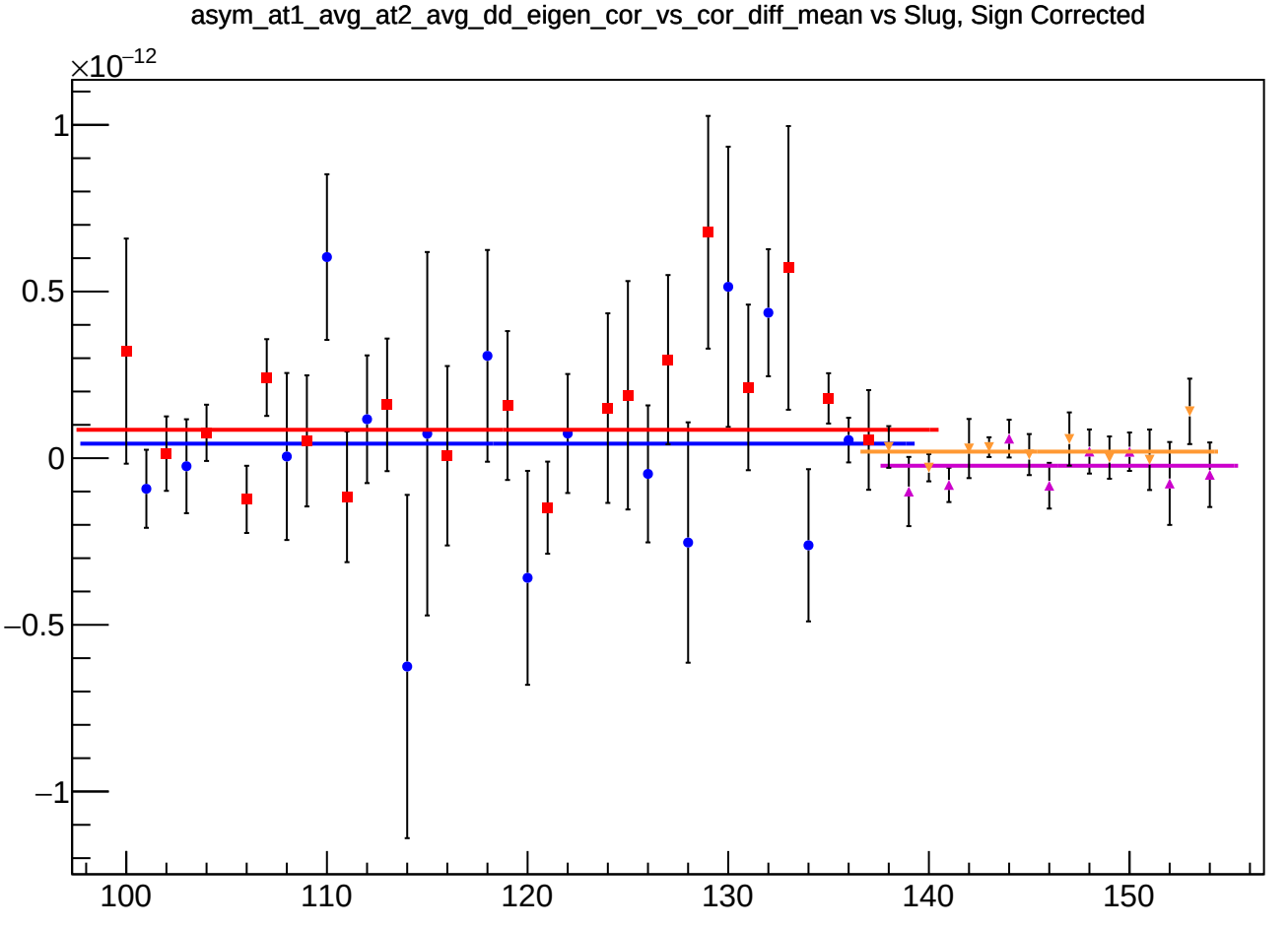
Left: 297.329+/-0.059 χ^2/NDF: 2074972.2/16

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 169.457+/-0.025 χ^2/NDF: 10518396.2/51



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:5.8/7

Left: 0.000+/-0.000 χ^2/NDF: 11.3/16

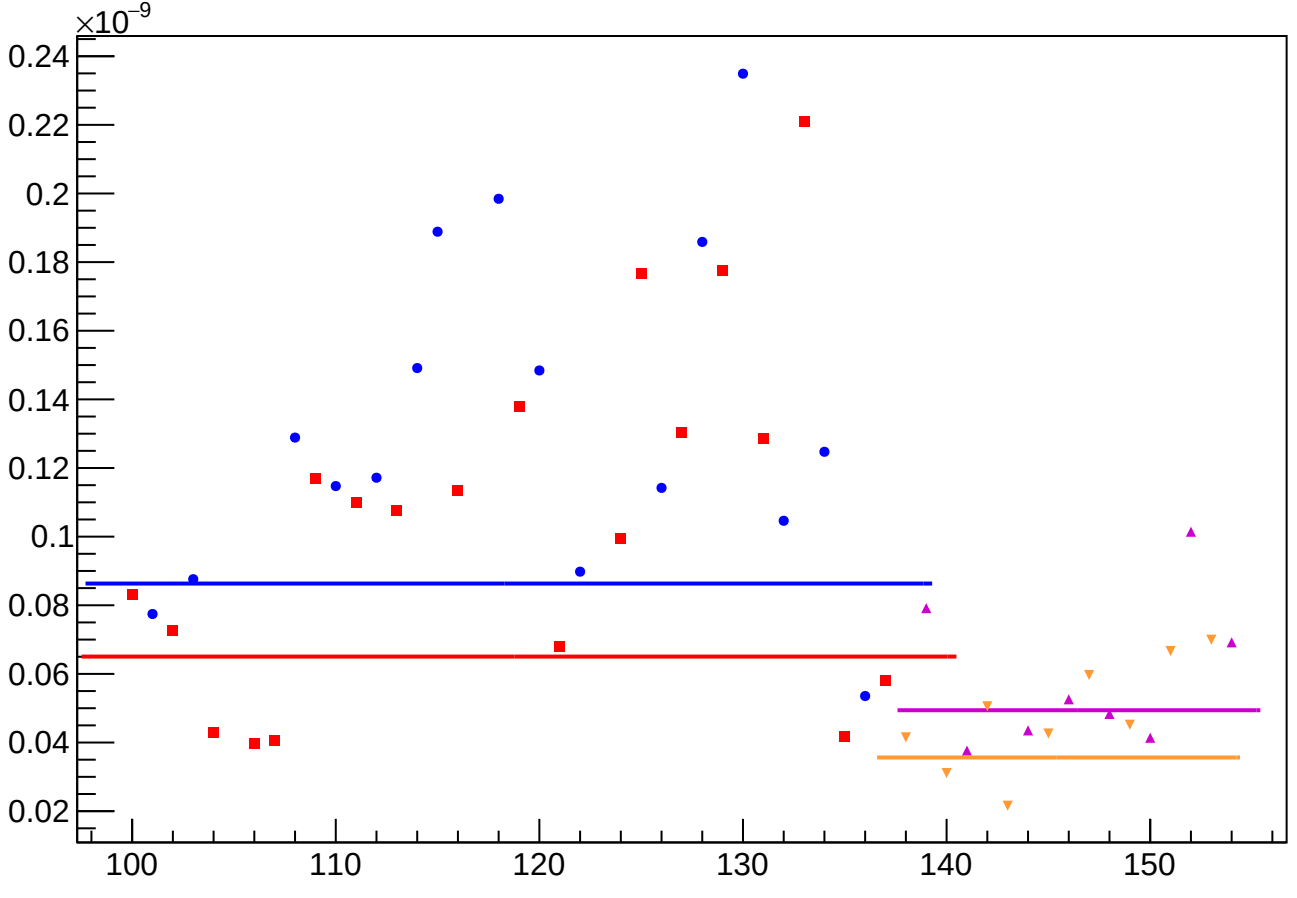
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.6/23

Out: 0.000+/-0.000 χ^2/NDF:24.6/27

All: 0.000+/-0.000 χ^2/NDF: 53.6/51

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1279426.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:767201.4/7

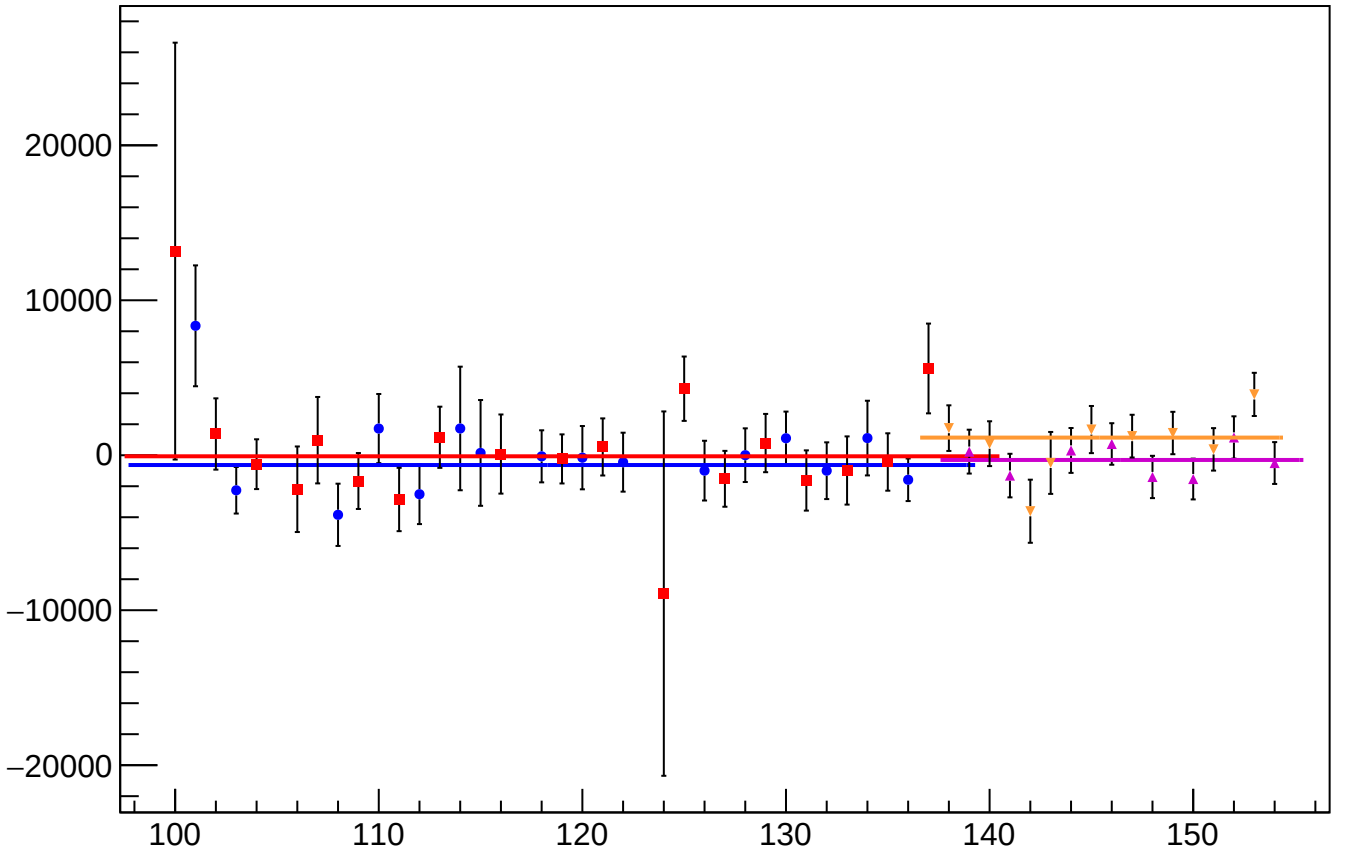
Left: 0.000+/-0.000 χ^2/NDF: 2457844.5/16

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3460936.3/23

Out: 0.000+/-0.000 χ^2/NDF:4588730.5/27

All: 0.000+/-0.000 χ^2/NDF: 8802797.9/51



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: -304.408+/-485.703 χ^2/NDF:4.1/7

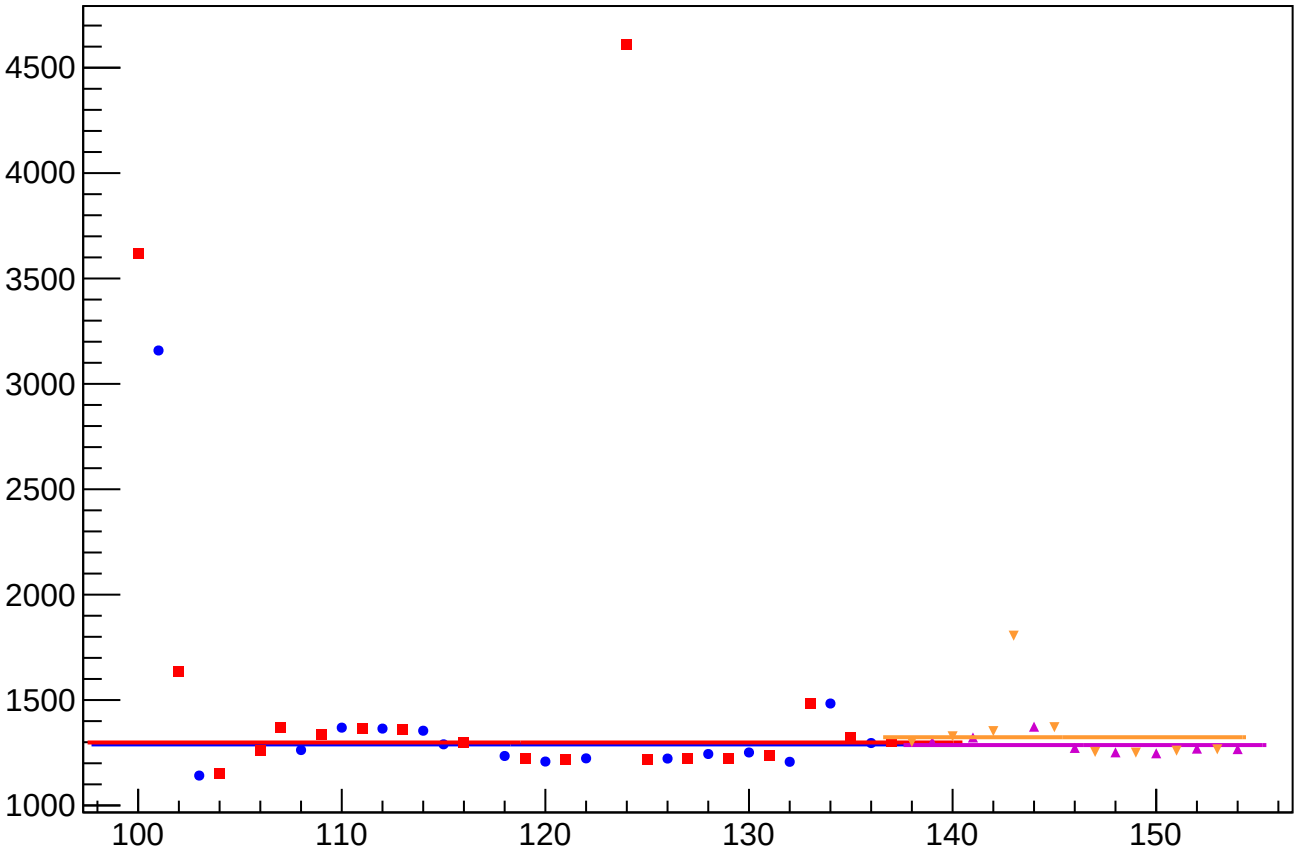
Left: 393.846+/-348.986 χ^2/NDF: 19.2/16

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -466.733+/-344.486 χ^2/NDF:18.2/23

Out: 518.628+/-349.747 χ^2/NDF:29.7/27

All: 18.480+/-245.427 χ^2/NDF: 51.9/51



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: 1286.389+/-0.343 χ^2/NDF:12767.7/7

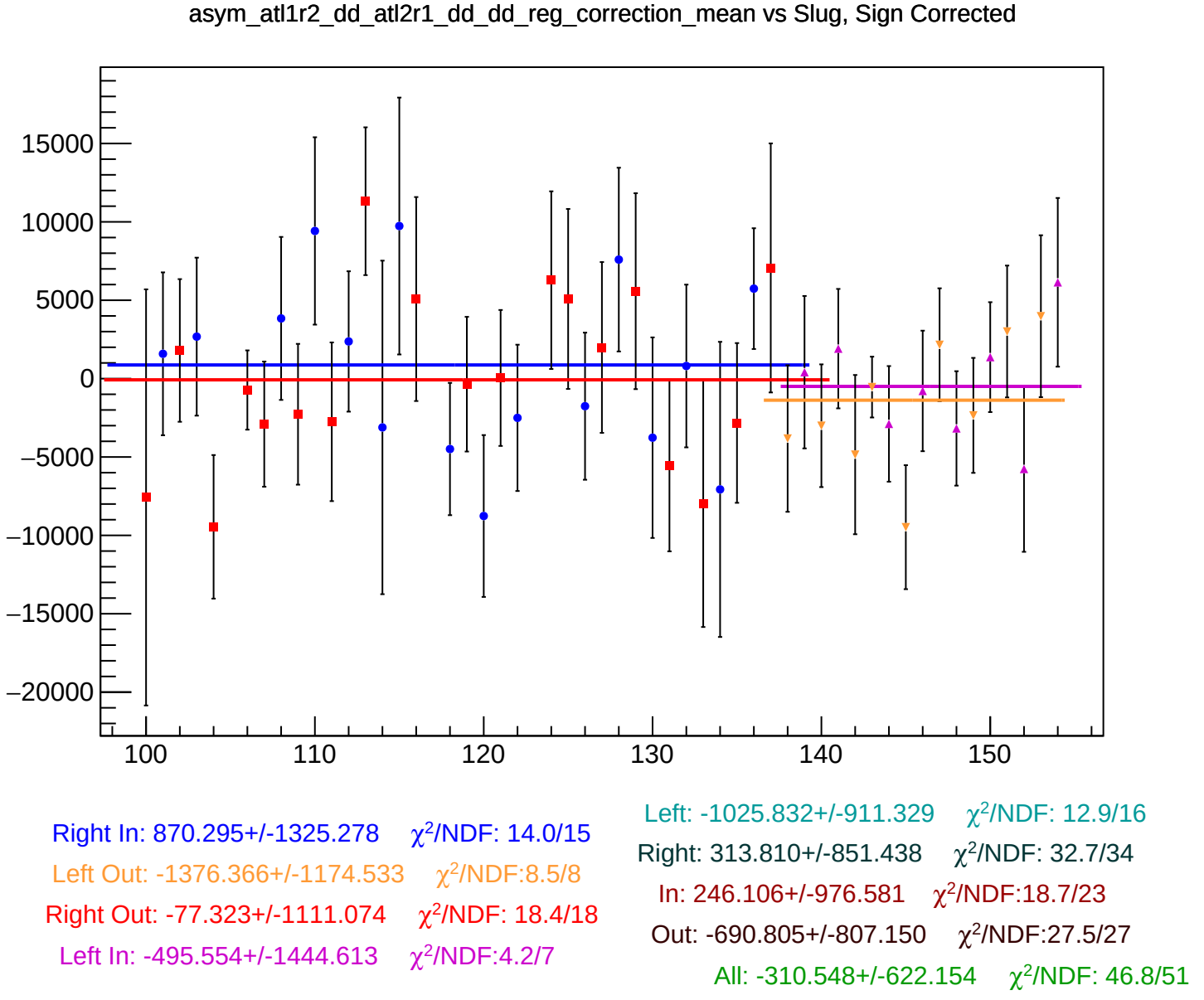
Left: 1304.397+/-0.247 χ^2/NDF: 156120.2/16

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

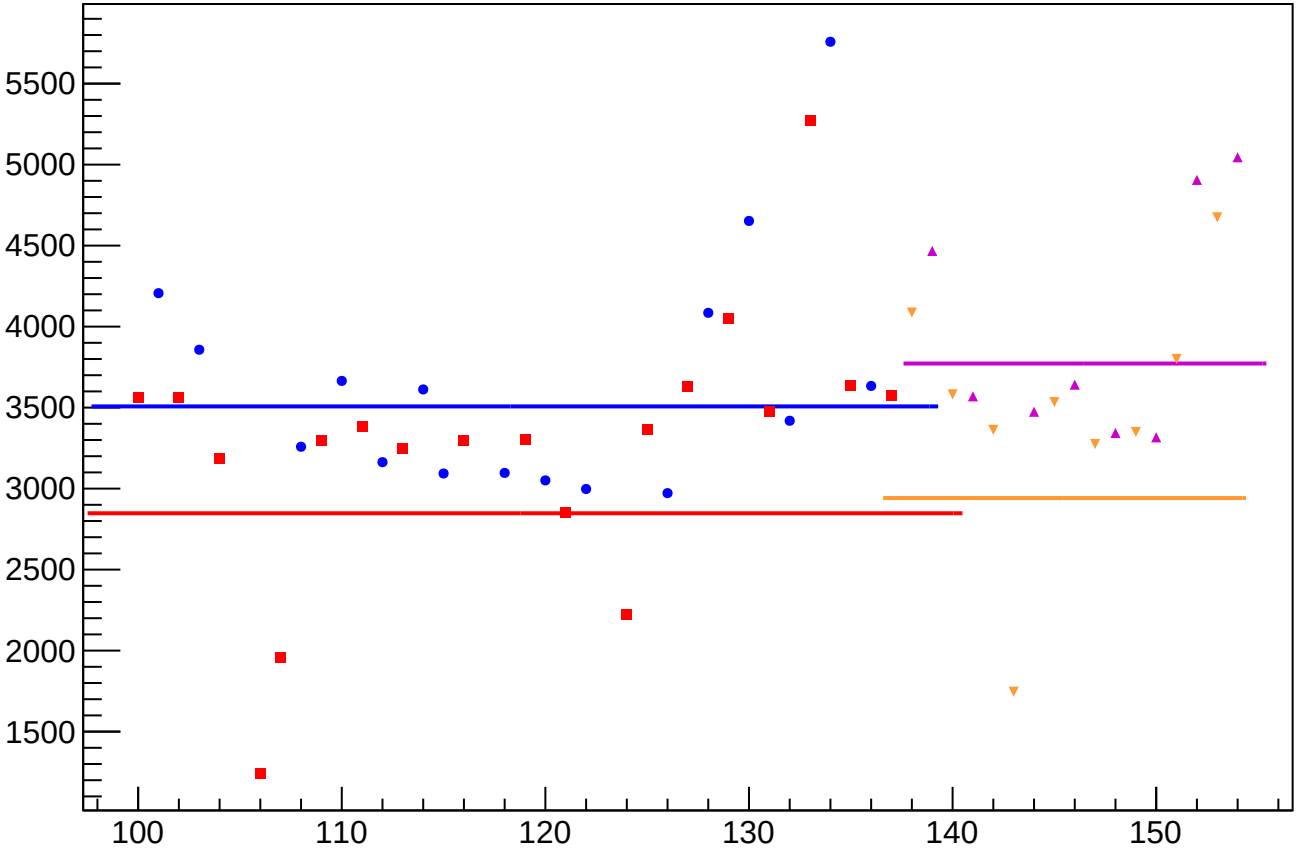
In: 1287.918+/-0.244 χ^2/NDF:527482.6/23

Out: 1310.749+/-0.247 χ^2/NDF:459595.2/27

All: 1299.176+/-0.173 χ^2/NDF: 991409.6/51


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: -495.554+/-1444.613 χ²/NDF:4.2/7
Left: -1025.832+/-911.329 χ²/NDF: 12.9/16
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 246.106+/-976.581 χ²/NDF:18.7/23
Out: -690.805+/-807.150 χ²/NDF:27.5/27
All: -310.548+/-622.154 χ²/NDF: 46.8/51

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: 3772.211+/-1.021 χ^2/NDF:327203.3/7

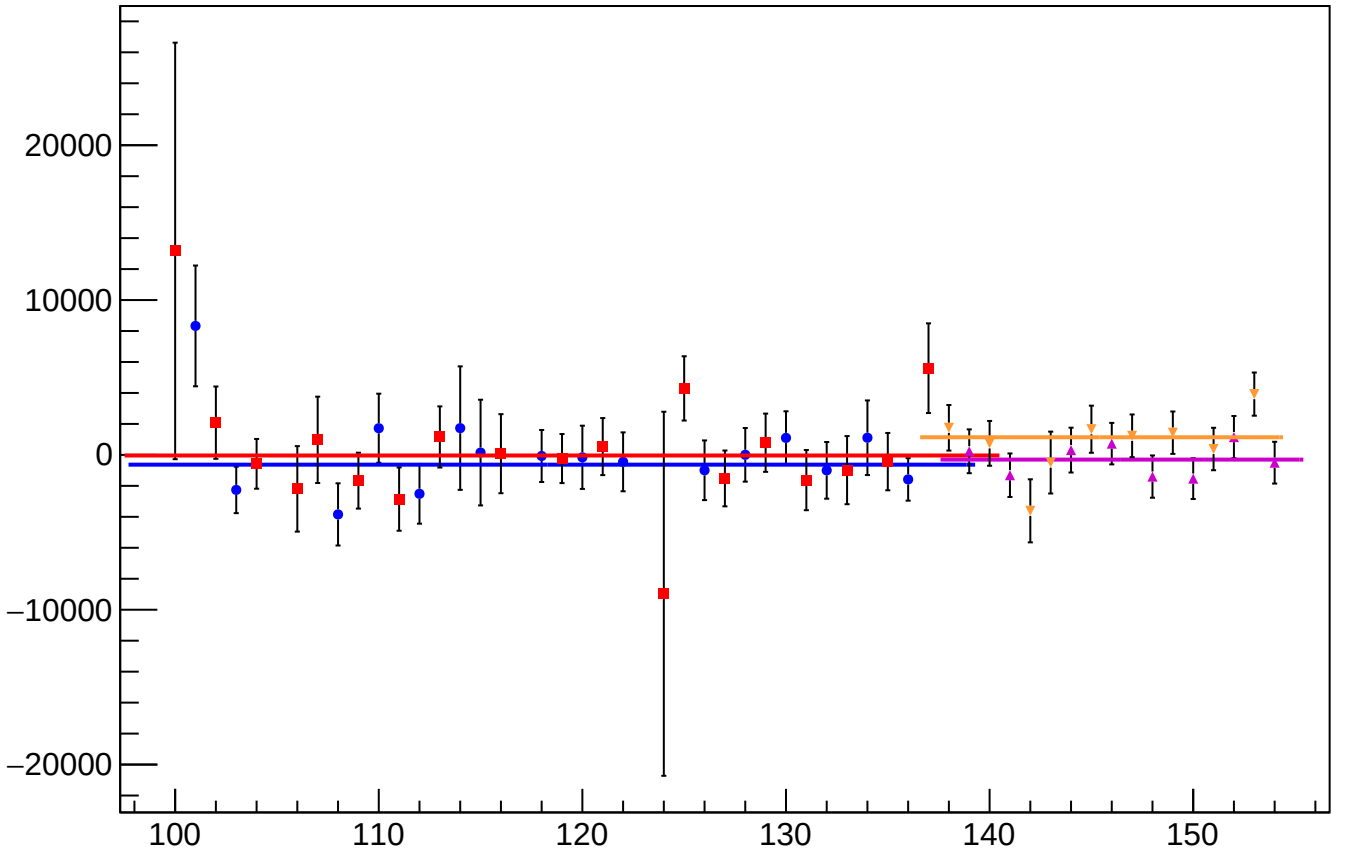
Left: 3272.284+/-0.644 χ^2/NDF: 2067601.5/16

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3628.416+/-0.691 χ^2/NDF:717675.6/23

Out: 2892.215+/-0.571 χ^2/NDF:2848677.8/27

All: 3191.012+/-0.440 χ^2/NDF: 4241648.4/51



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: -304.385+/-485.703 χ^2/NDF:4.1/7

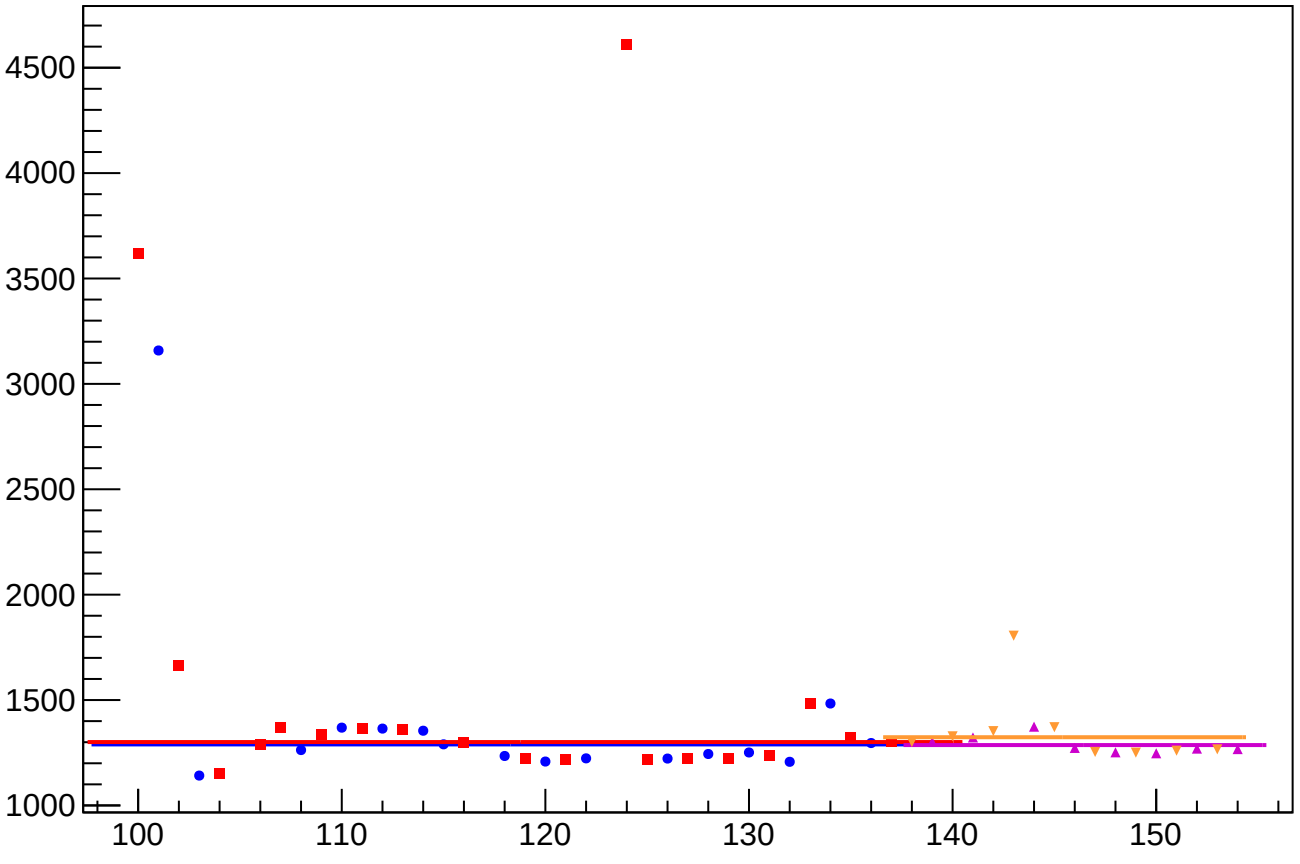
Left: 393.833+/-348.986 χ^2/NDF: 19.2/16

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 25.746+/-245.468 χ^2/NDF: 52.4/51



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: 1286.389+/-0.343 χ^2/NDF:12767.7/7

Left: 1304.397+/-0.247 χ^2/NDF: 156120.2/16

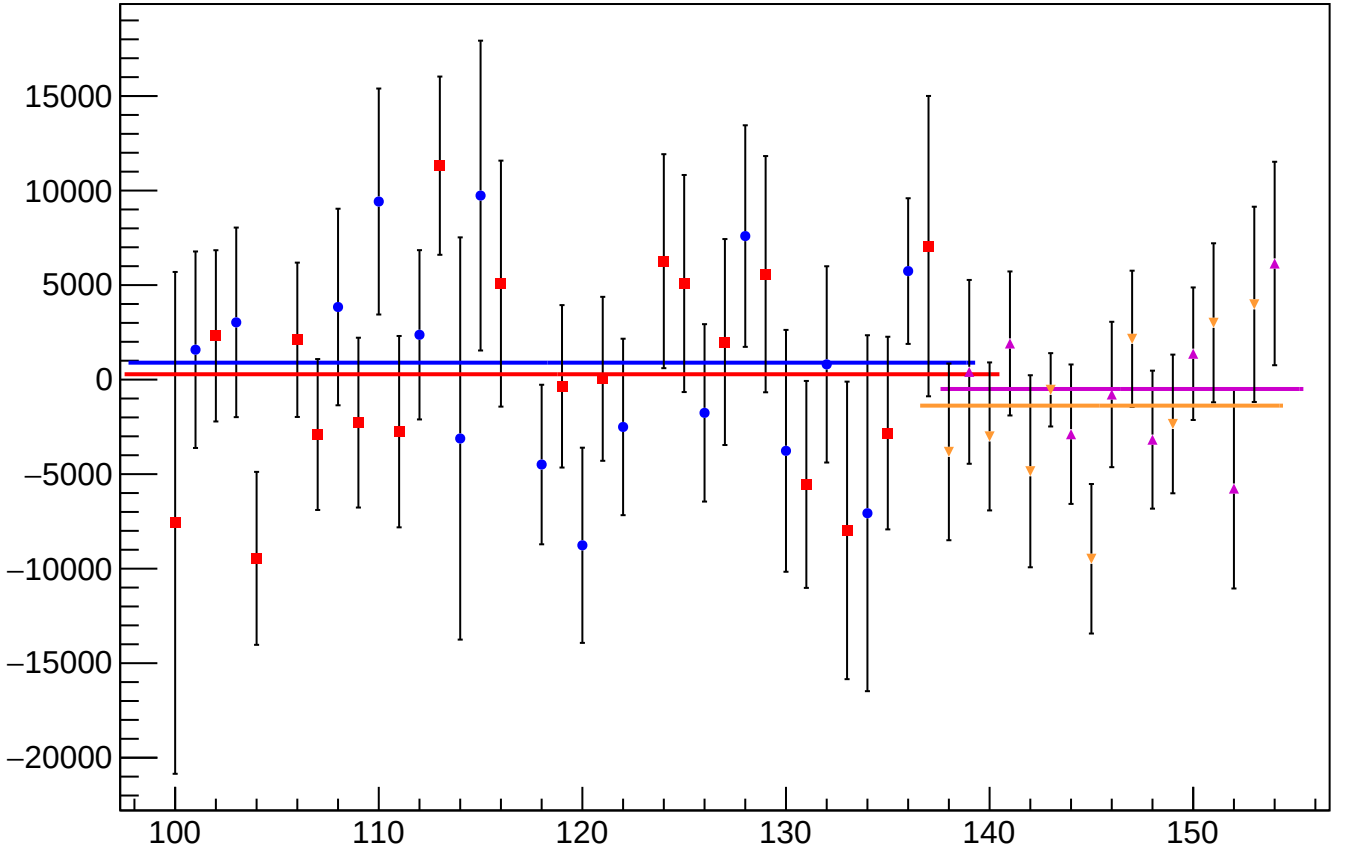
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1299.691+/-0.173 χ^2/NDF: 997951.9/51

asym_atl1r2_dd_atl2r1_dd_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: -495.604+/-1444.611 χ^2/NDF:4.2/7

Left: -1025.808+/-911.327 χ^2/NDF: 12.9/16

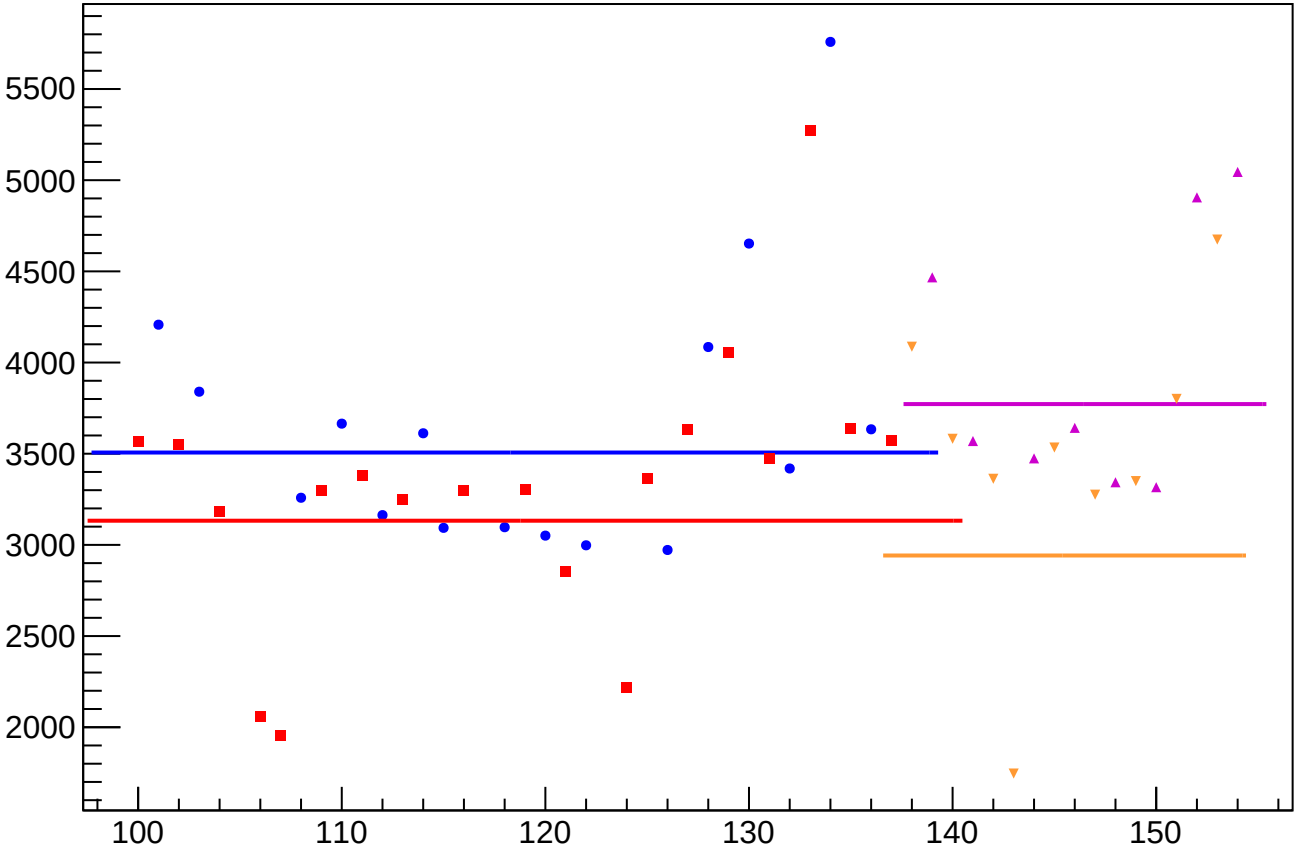
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 260.287+/-976.398 χ^2/NDF:18.8/23

Out: -552.250+/-833.557 χ^2/NDF:28.1/27

All: -209.710+/-633.959 χ^2/NDF: 47.3/51

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: 3772.206+/-1.021 χ^2/NDF:327202.8/7

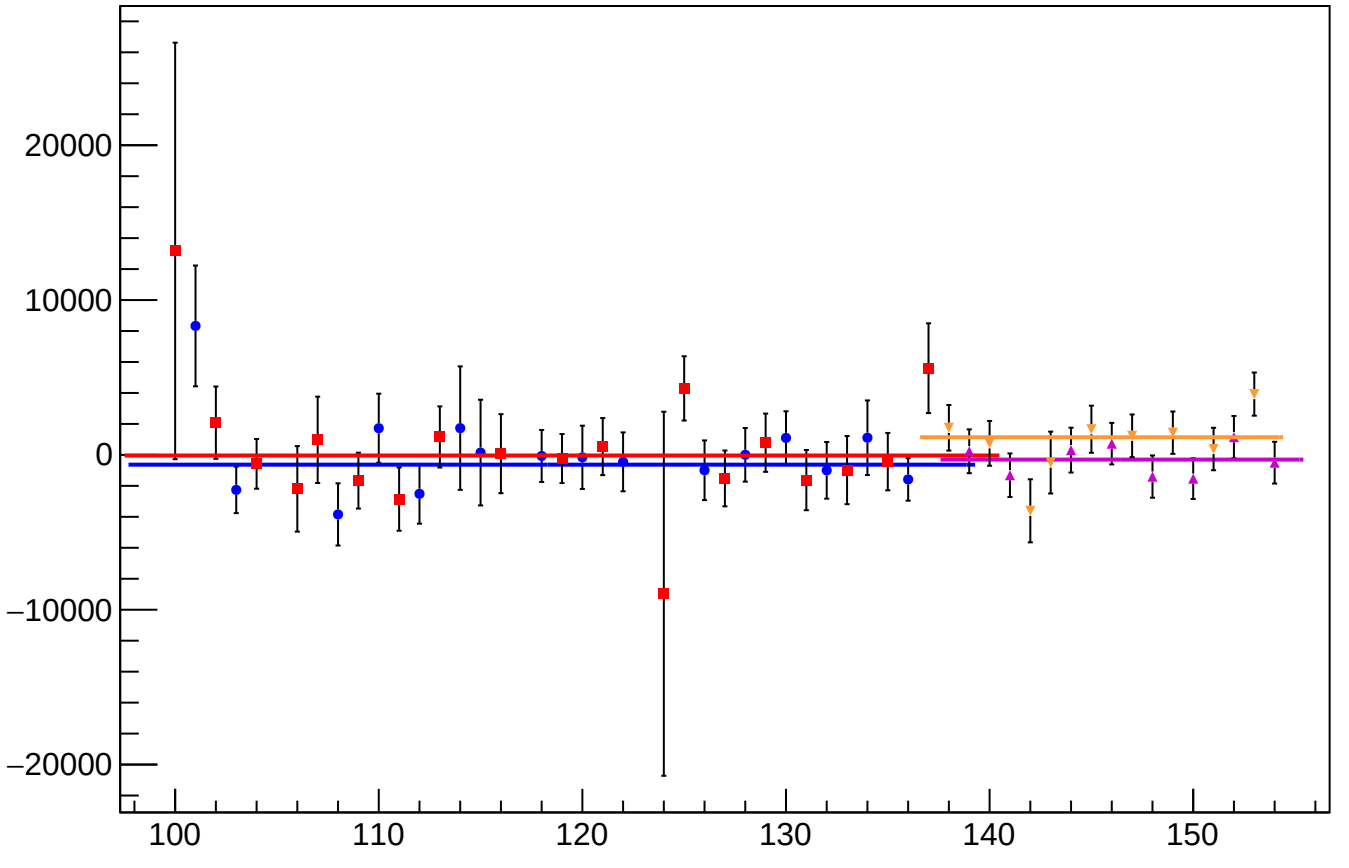
Left: 3272.275+/-0.644 χ^2/NDF: 2067629.8/16

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3285.801+/-0.448 χ^2/NDF: 3159951.8/51



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: -304.385+/-485.703 χ^2/NDF:4.1/7

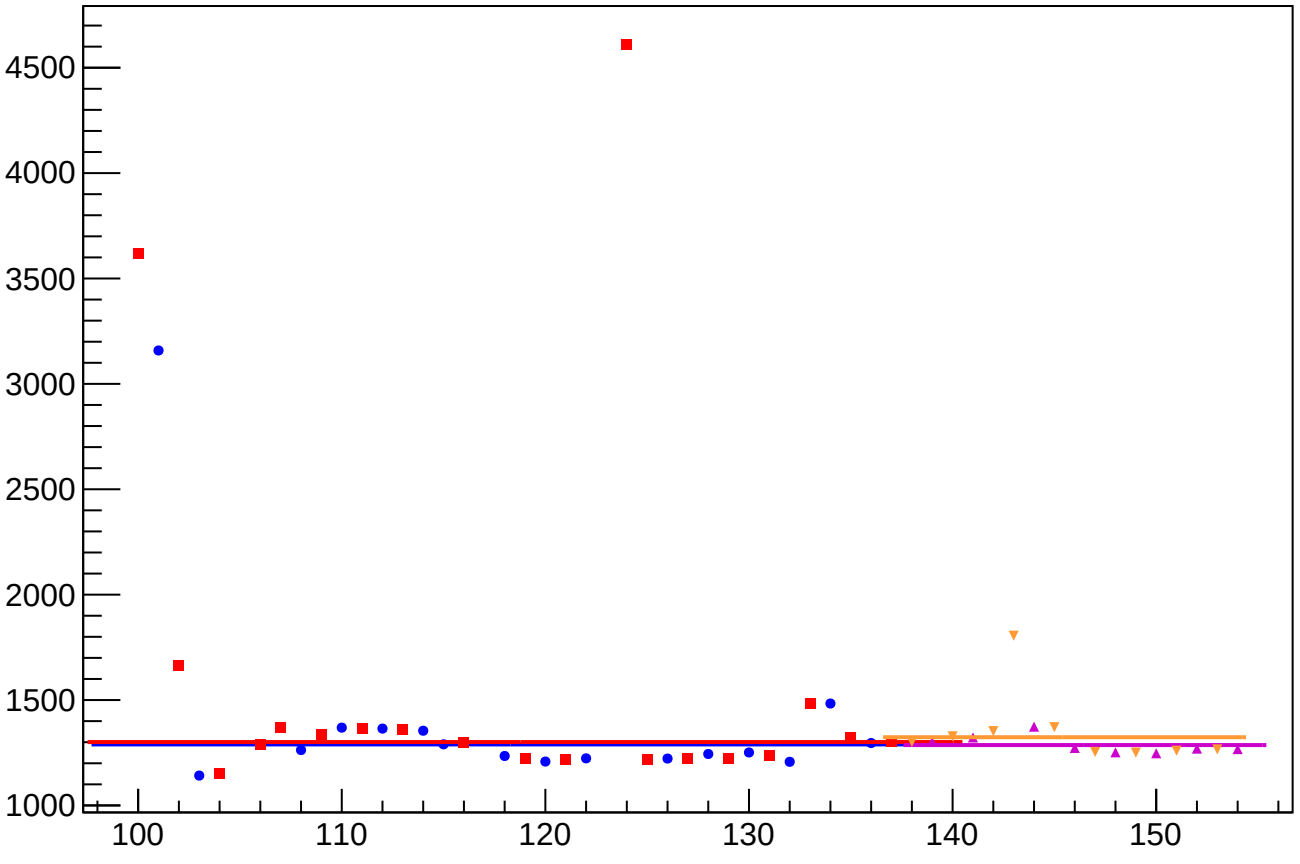
Left: 393.833+/-348.986 χ^2/NDF: 19.2/16

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 25.746+/-245.468 χ^2/NDF: 52.4/51



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: 1286.389+/-0.343 χ^2/NDF:12767.7/7

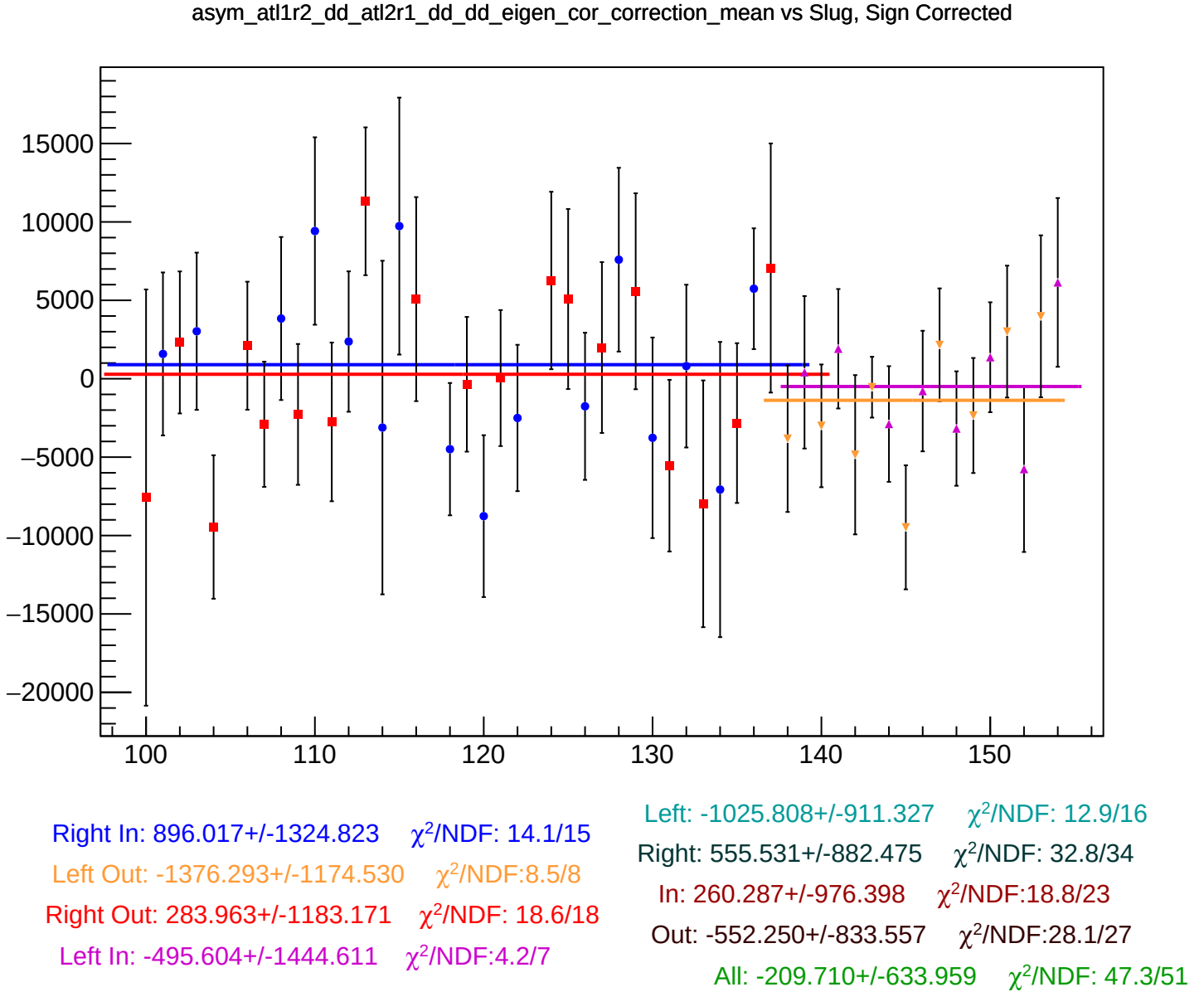
Left: 1304.397+/-0.247 χ^2/NDF: 156120.2/16

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

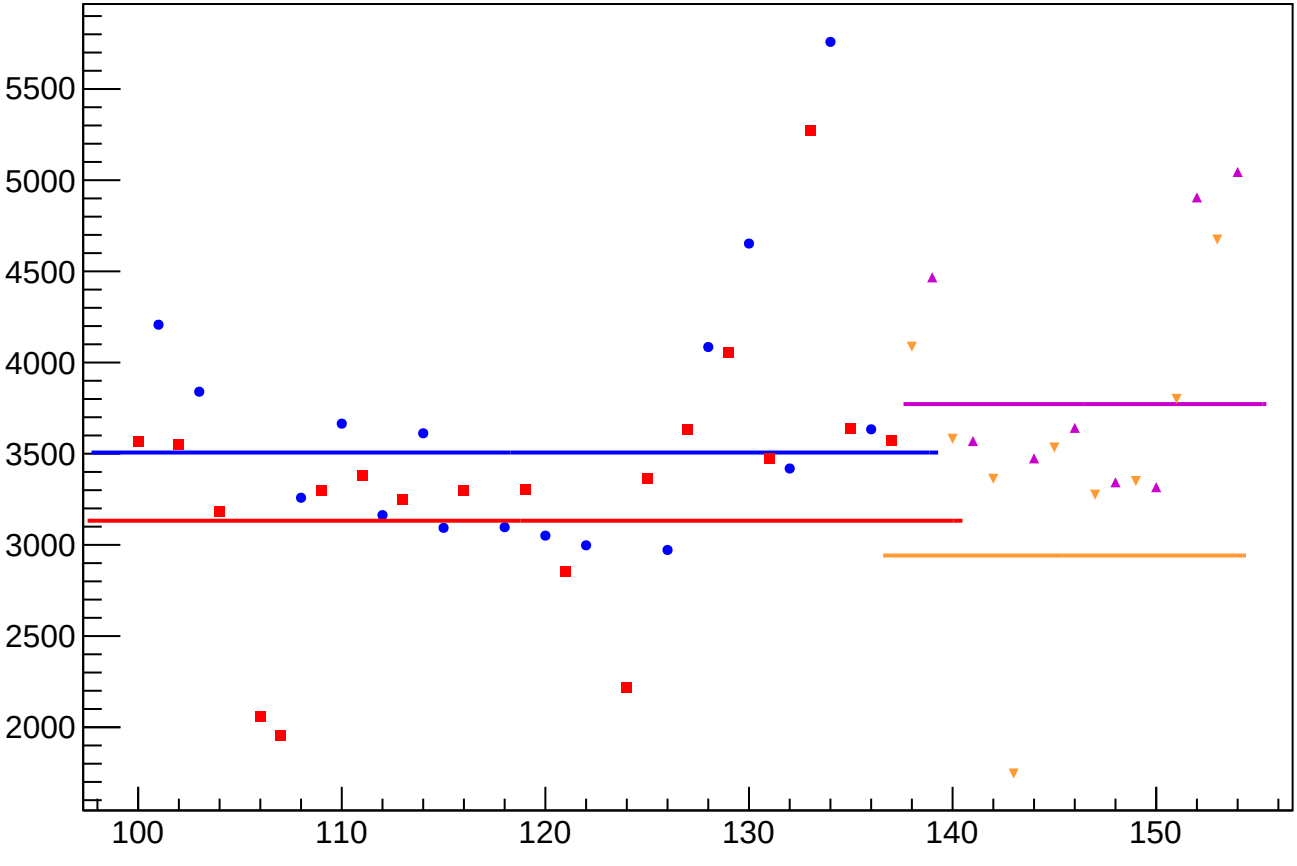
In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1299.691+/-0.173 χ^2/NDF: 997951.9/51


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
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: -495.604+/-1444.611 χ²/NDF:4.2/7
Left: -1025.808+/-911.327 χ²/NDF: 12.9/16
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 260.287+/-976.398 χ²/NDF:18.8/23
Out: -552.250+/-833.557 χ²/NDF:28.1/27
All: -209.710+/-633.959 χ²/NDF: 47.3/51

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: 3772.206+/-1.021 χ^2/NDF:327202.8/7

Left: 3272.275+/-0.644 χ^2/NDF: 2067629.8/16

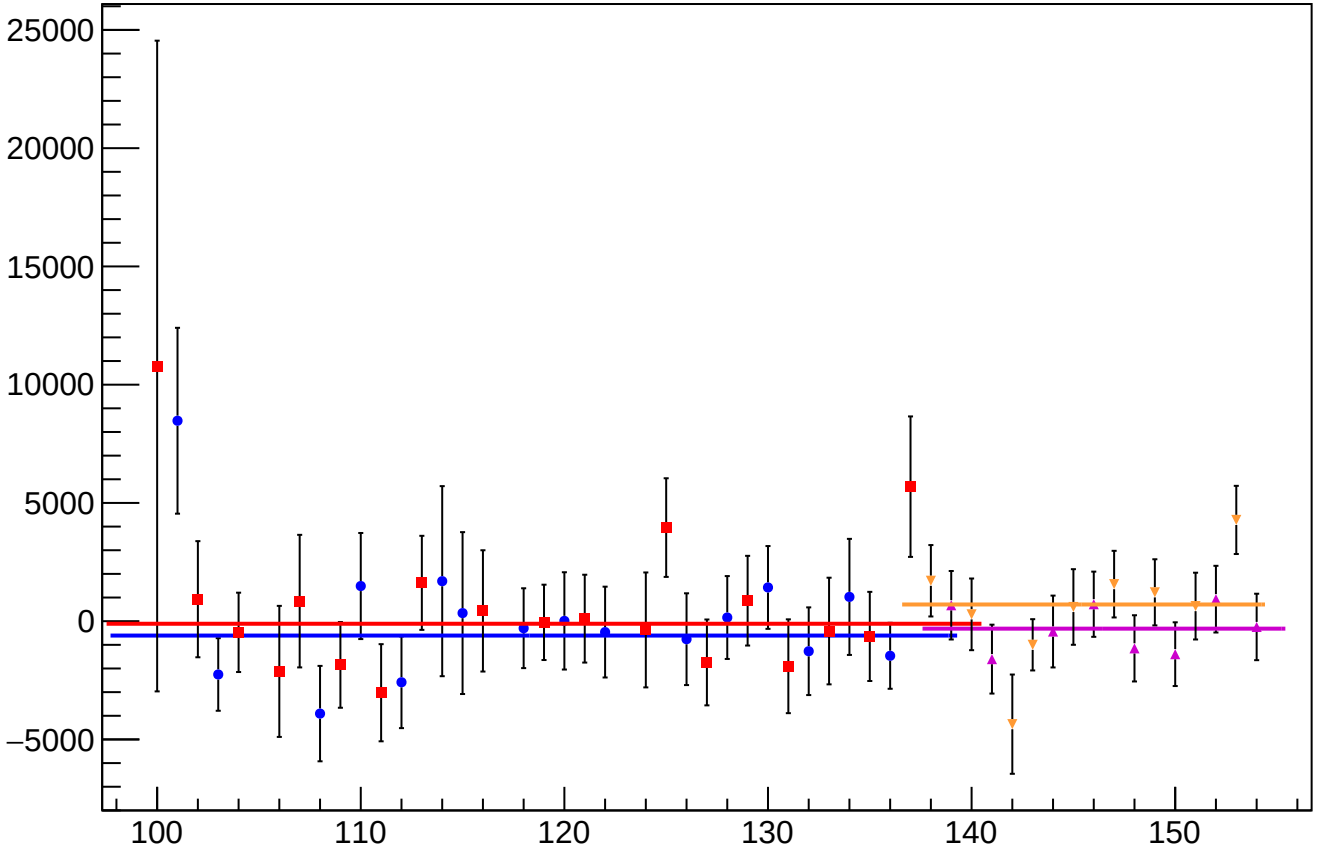
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3285.801+/-0.448 χ^2/NDF: 3159951.8/51

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.143+/-479.864 χ^2/NDF:15.5/8

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -315.673+/-501.326 χ^2/NDF:3.6/7

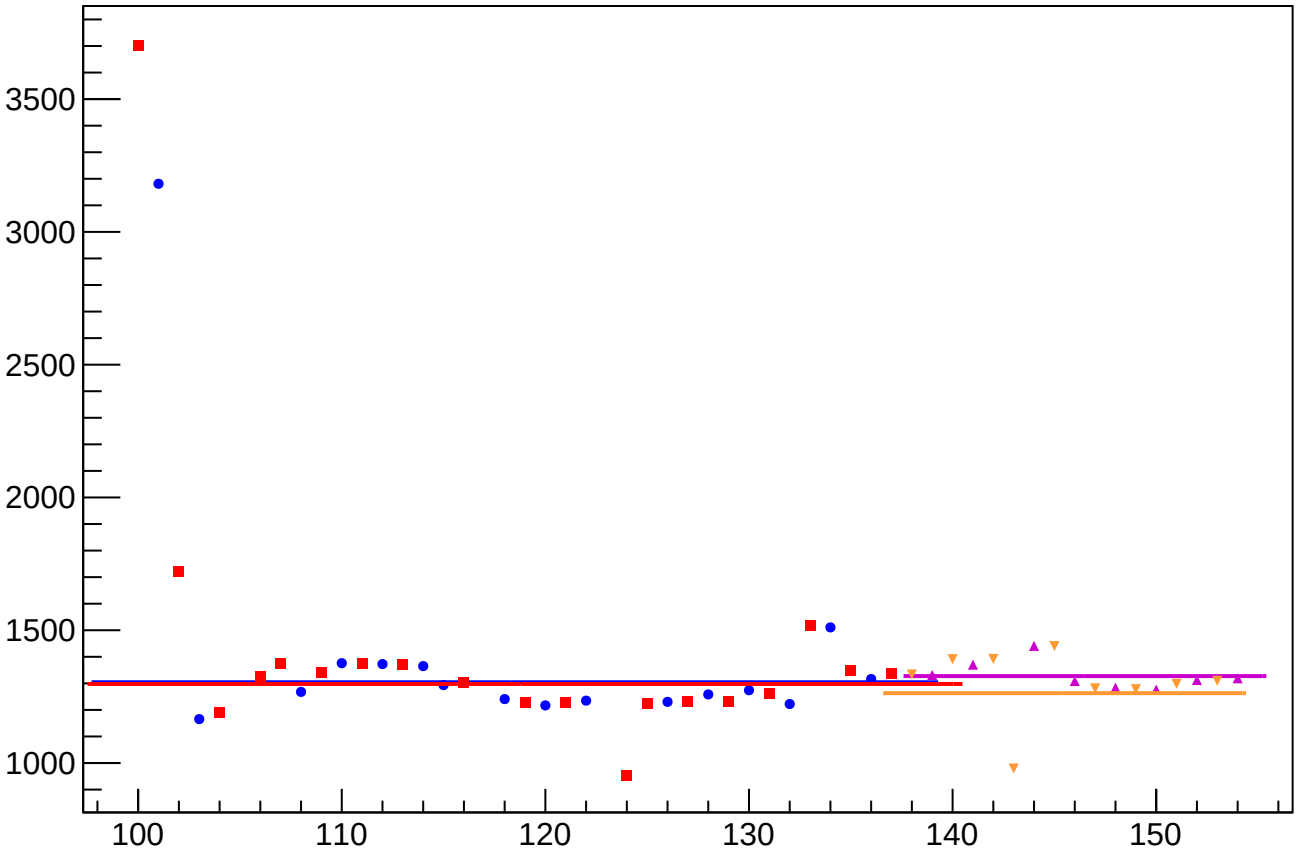
Left: 217.575+/-346.654 χ^2/NDF: 21.2/16

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -463.848+/-351.938 χ^2/NDF:17.9/23

Out: 303.565+/-341.308 χ^2/NDF:31.8/27

All: -68.378+/-245.013 χ^2/NDF: 52.1/51



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: 1327.399+/-0.354 χ^2/NDF:18384.6/7

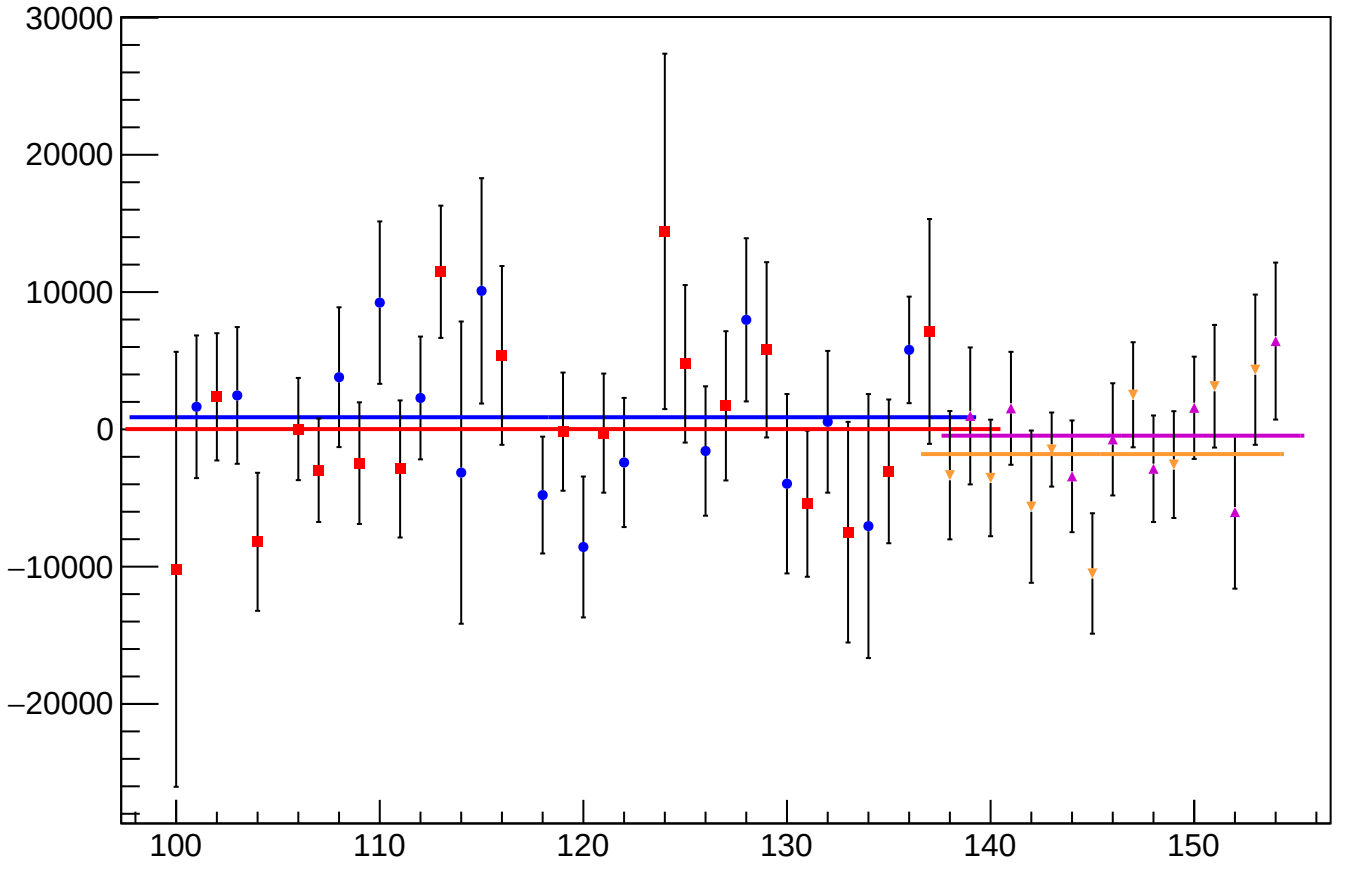
Left: 1293.869+/-0.245 χ^2/NDF: 227218.6/16

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.584+/-0.249 χ^2/NDF:531164.5/23

Out: 1280.281+/-0.241 χ^2/NDF:409942.8/27

All: 1297.385+/-0.173 χ^2/NDF: 951481.6/51



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: -460.355+/-1541.521 χ^2/NDF:4.0/7

Left: -1214.727+/-1019.595 χ^2/NDF: 12.9/16

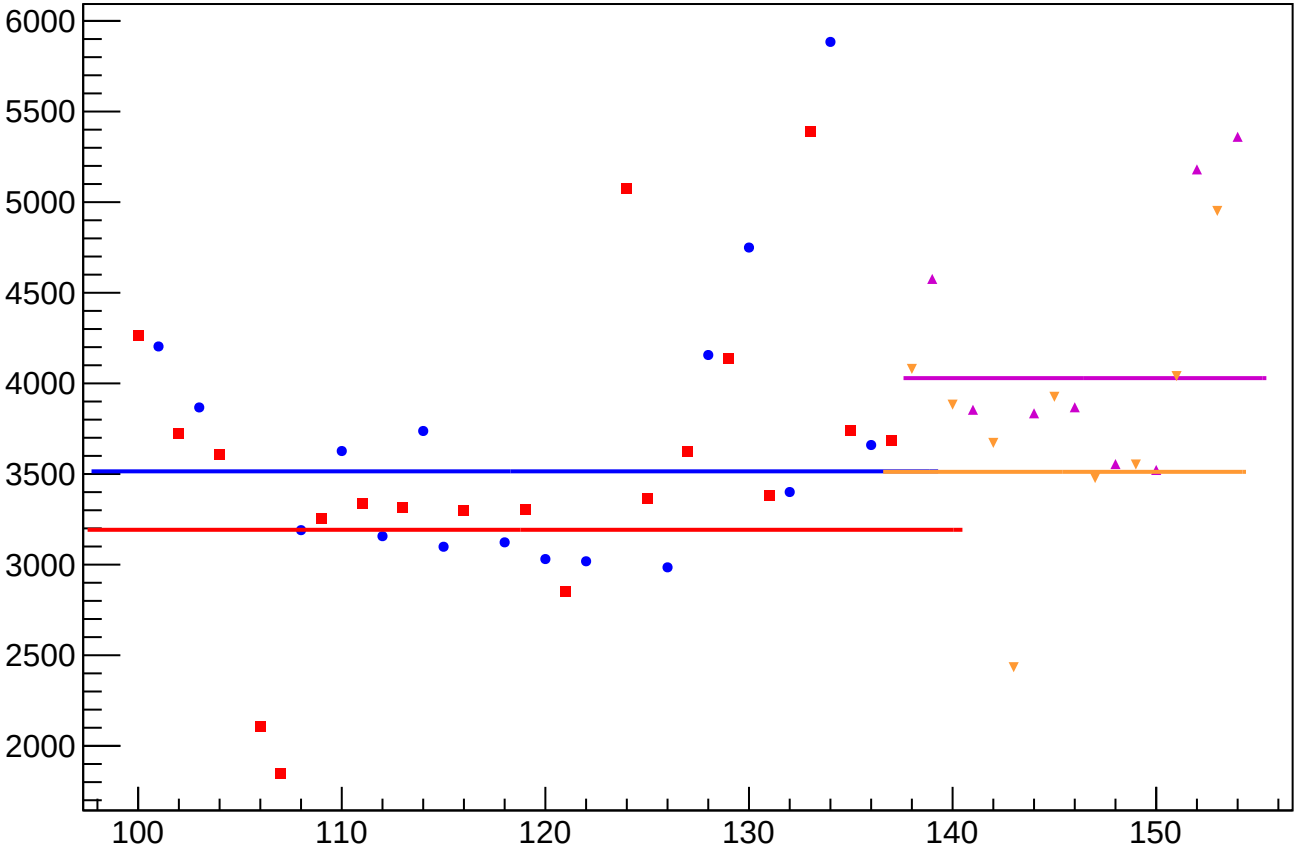
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 311.636+/-1005.869 χ^2/NDF:18.5/23

Out: -777.311+/-899.648 χ^2/NDF:26.3/27

All: -293.352+/-670.567 χ^2/NDF: 45.5/51

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: 4029.067+/-1.090 χ^2/NDF:295872.9/7

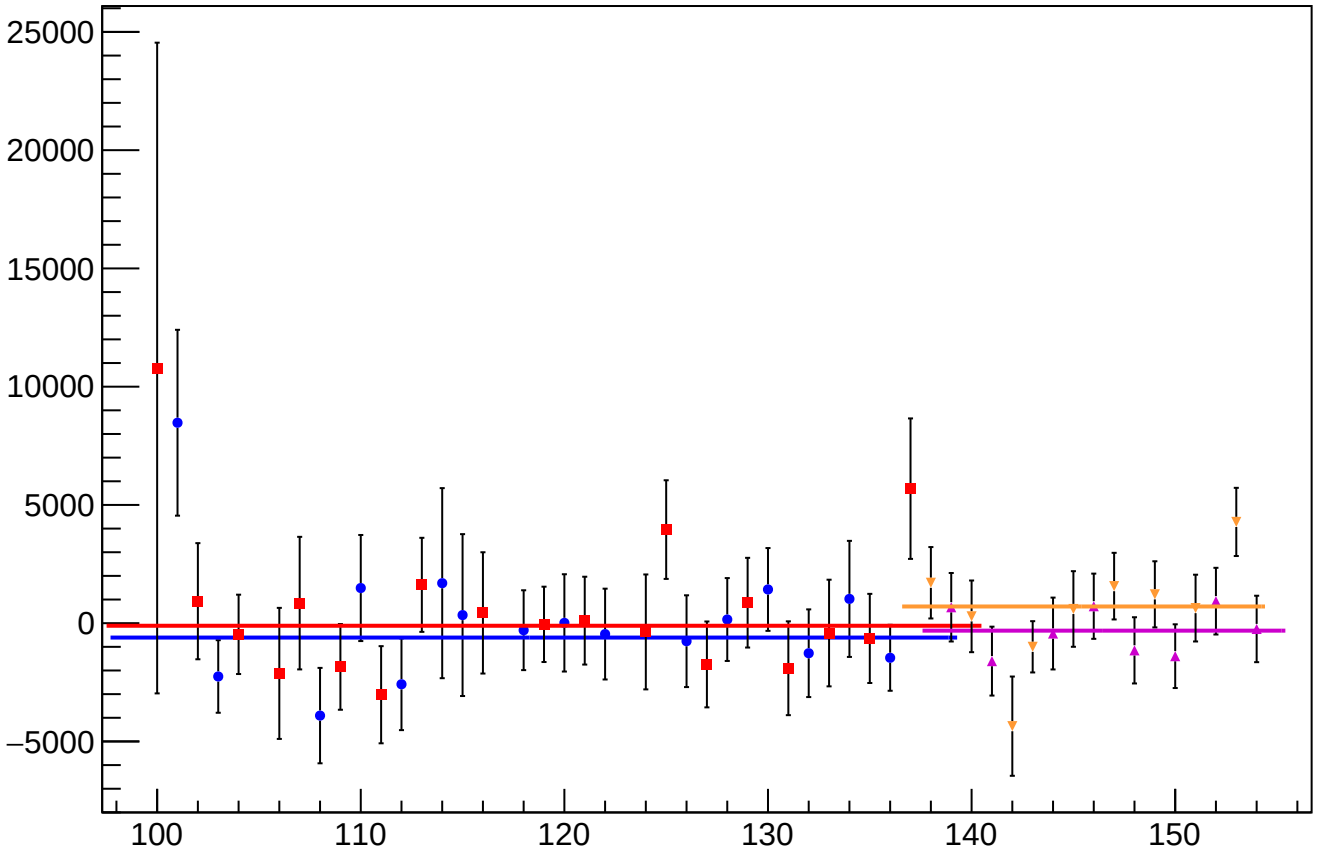
Left: 3738.209+/-0.721 χ^2/NDF: 972932.0/16

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3733.733+/-0.711 χ^2/NDF:798795.5/23

Out: 3332.262+/-0.636 χ^2/NDF:1385186.5/27

All: 3510.687+/-0.474 χ^2/NDF: 2360990.4/51



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: -315.671+/-501.326 χ^2/NDF:3.6/7

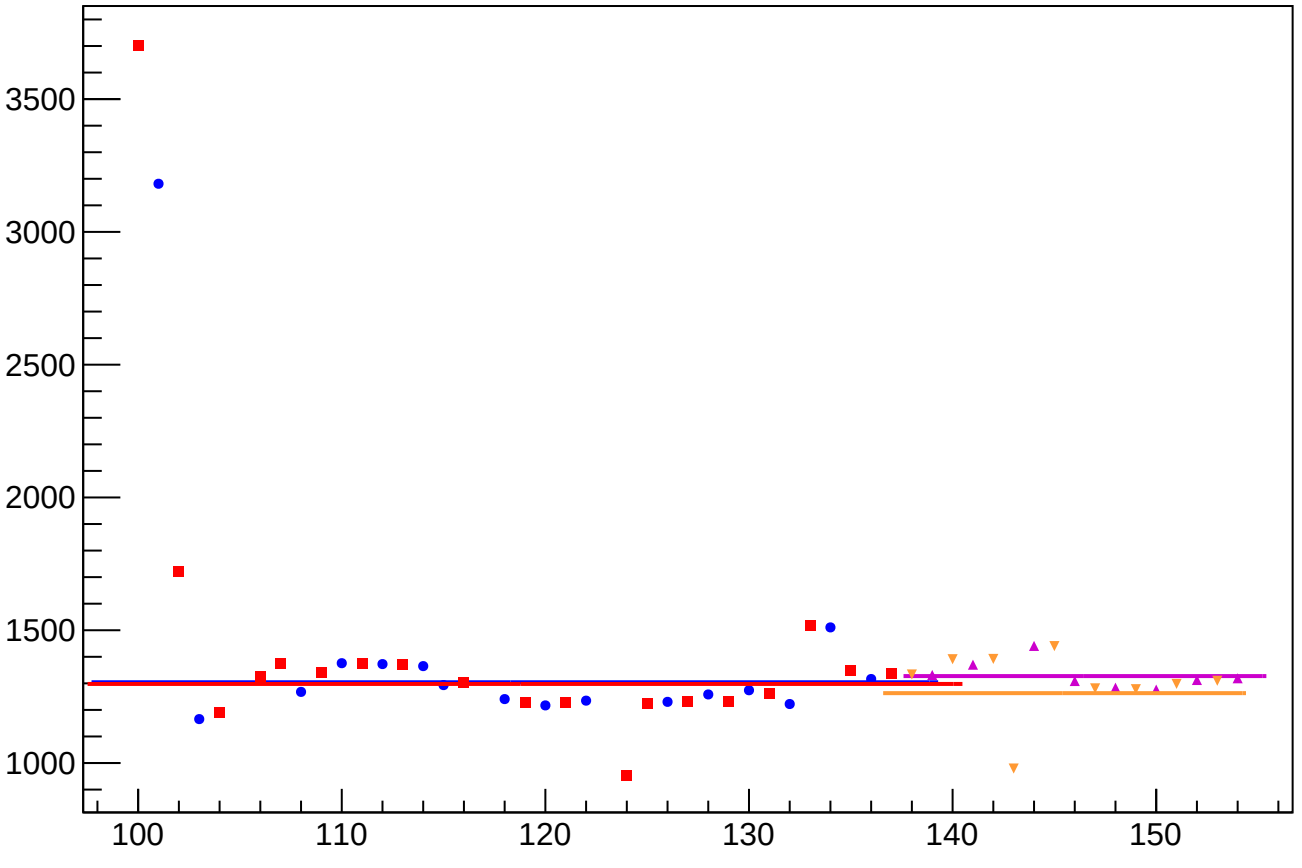
Left: 217.575+/-346.654 χ^2/NDF: 21.2/16

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -463.849+/-351.938 χ^2/NDF:17.9/23

Out: 303.562+/-341.309 χ^2/NDF:31.8/27

All: -68.380+/-245.013 χ^2/NDF: 52.1/51



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: 1327.400+/-0.354 χ^2/NDF:18384.7/7

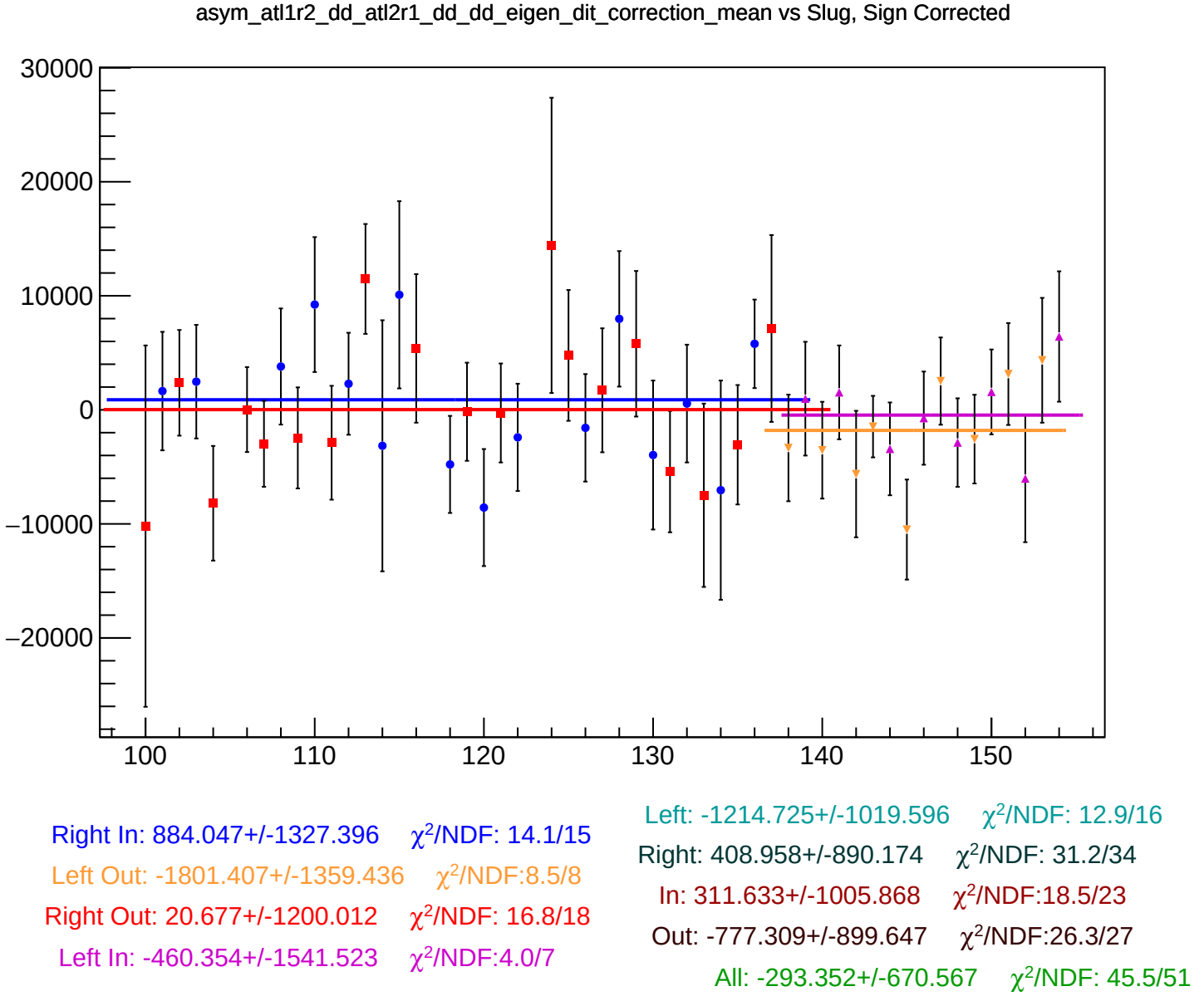
Left: 1293.870+/-0.245 χ^2/NDF: 227219.0/16

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

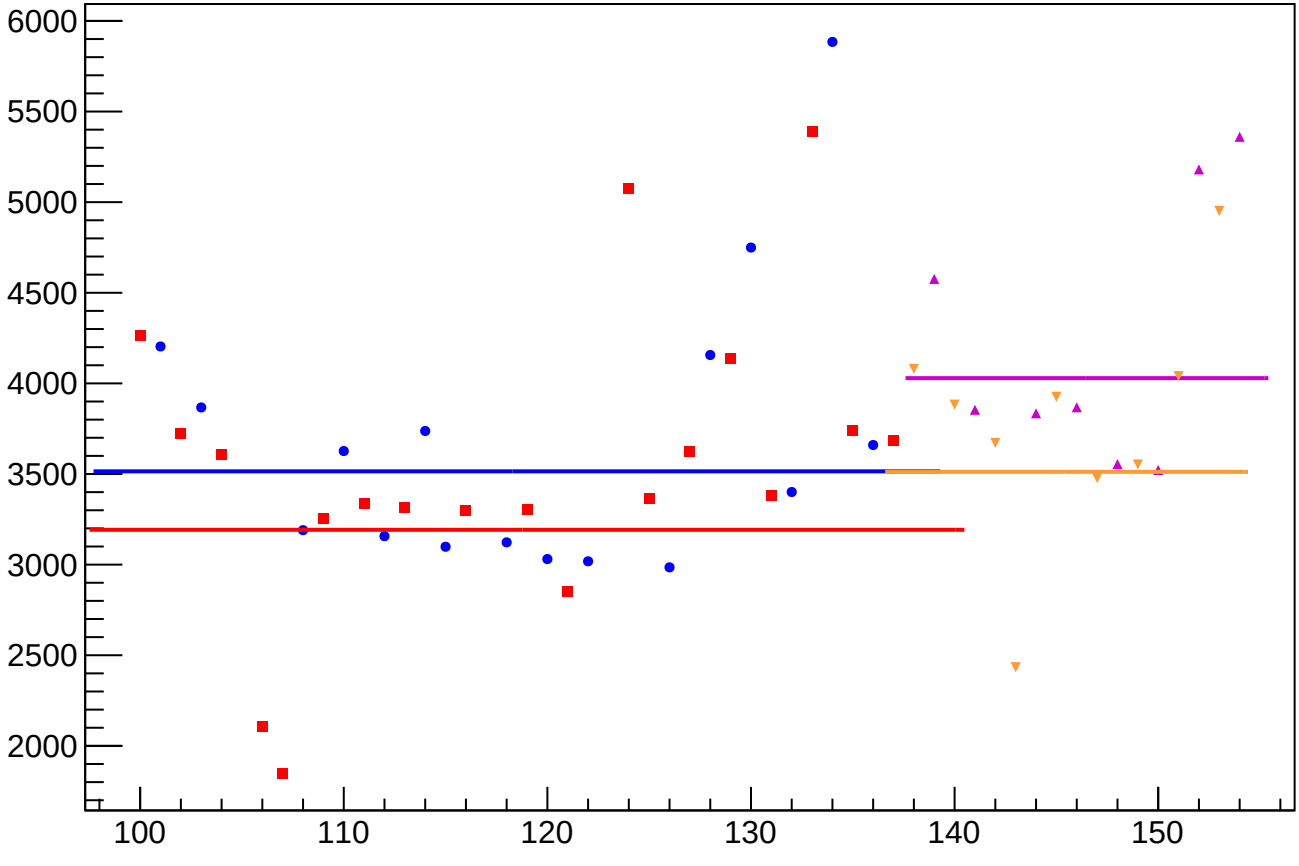
In: 1315.584+/-0.249 χ^2/NDF:531164.9/23

Out: 1280.281+/-0.241 χ^2/NDF:409942.9/27

All: 1297.385+/-0.173 χ^2/NDF: 951482.1/51


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: -460.354+/-1541.523 χ²/NDF:4.0/7
Left: -1214.725+/-1019.596 χ²/NDF: 12.9/16
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 311.633+/-1005.868 χ²/NDF:18.5/23
Out: -777.309+/-899.647 χ²/NDF:26.3/27
All: -293.352+/-670.567 χ²/NDF: 45.5/51

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3512.011+/-0.961 χ^2/NDF:550482.5/8

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4029.072+/-1.090 χ^2/NDF:295873.4/7

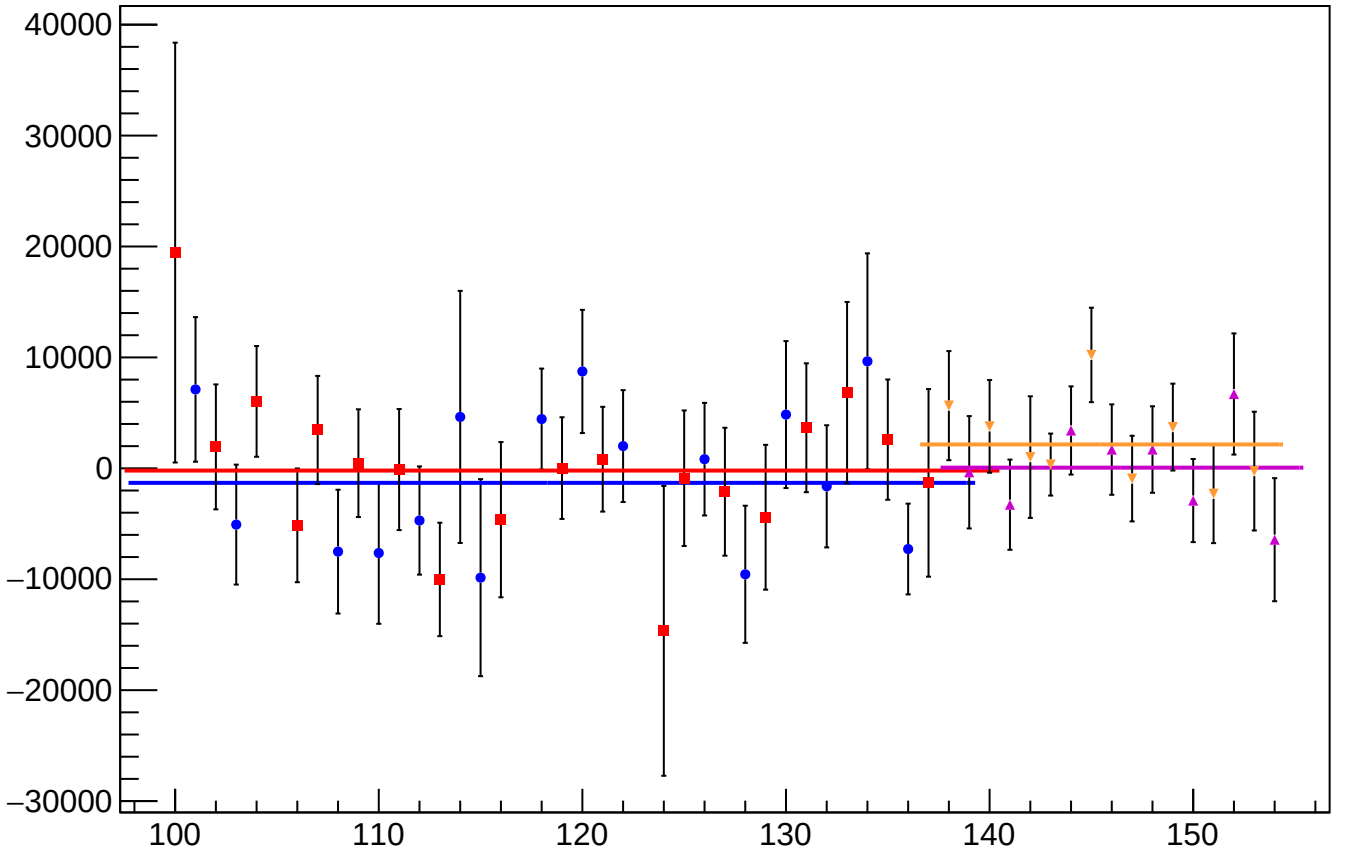
Left: 3738.214+/-0.721 χ^2/NDF: 972932.6/16

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3733.729+/-0.711 χ^2/NDF:798807.3/23

Out: 3332.259+/-0.636 χ^2/NDF:1385193.9/27

All: 3510.684+/-0.474 χ^2/NDF: 2361009.0/51



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: 60.364+/-1532.346 χ^2/NDF:5.2/7

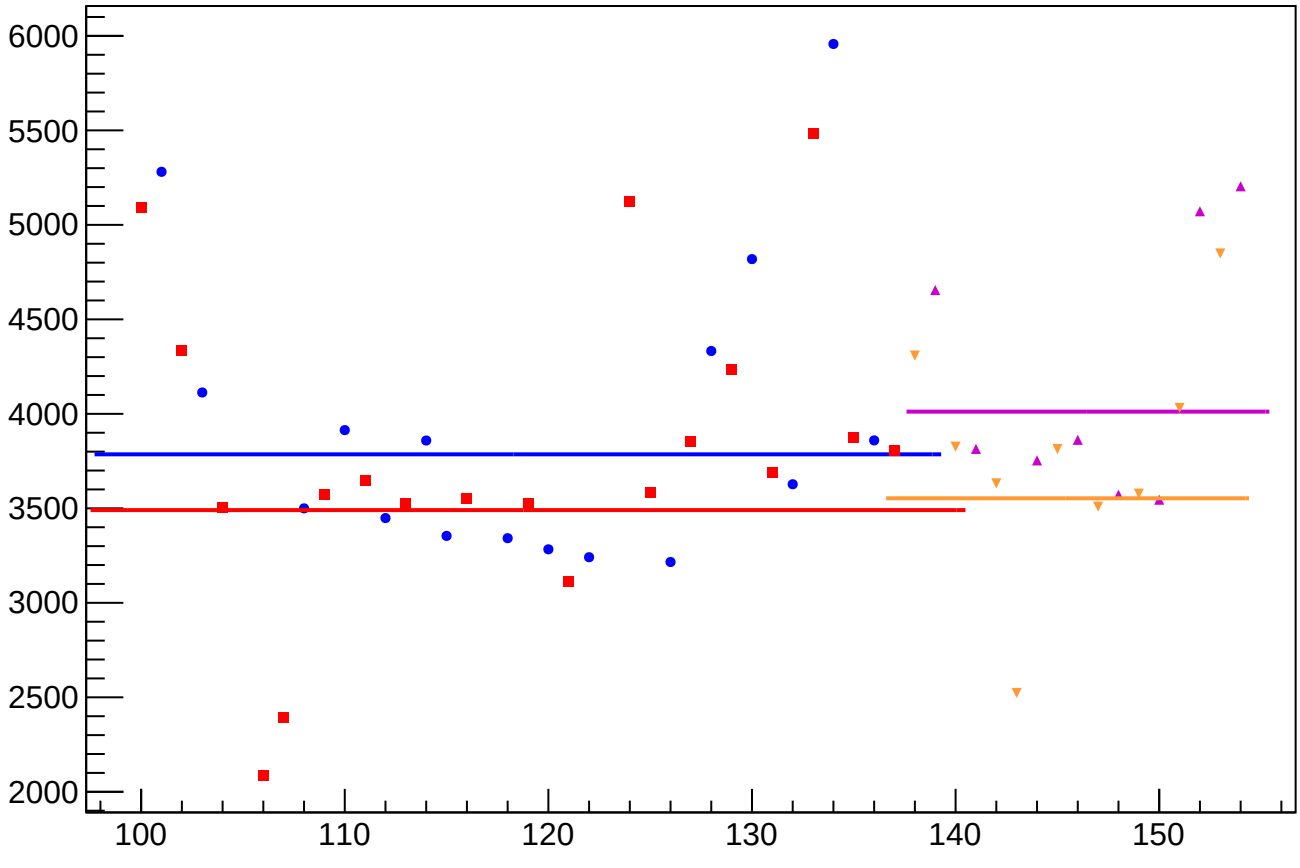
Left: 1223.315+/-1021.344 χ^2/NDF: 12.9/16

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -670.985+/-1046.108 χ^2/NDF:23.2/23

Out: 946.121+/-956.525 χ^2/NDF:19.9/27

All: 209.761+/-705.915 χ^2/NDF: 44.4/51



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: 4011.759+/-1.084 χ^2/NDF:272083.9/7

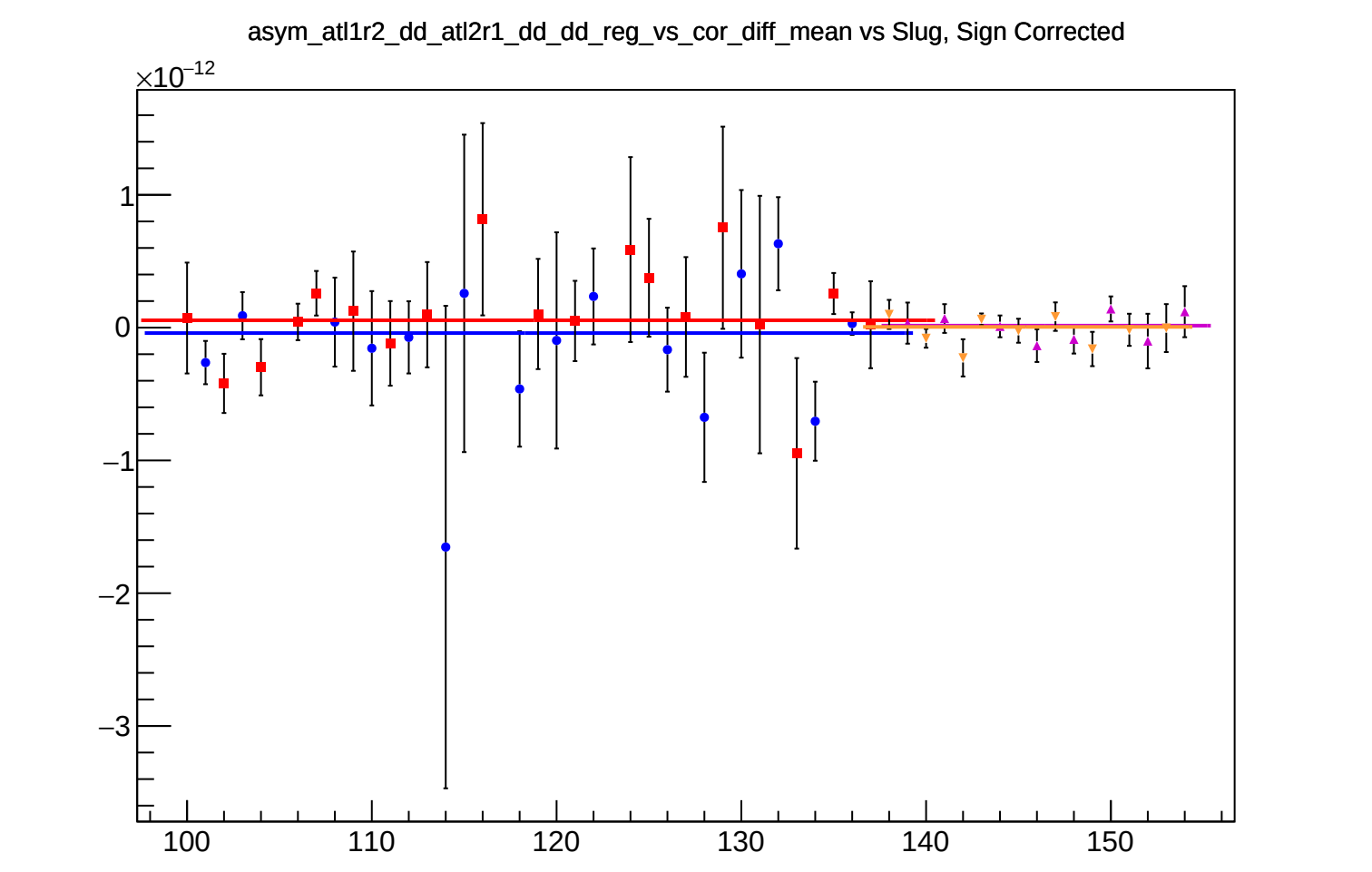
Left: 3756.864+/-0.722 χ^2/NDF: 847437.4/16

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3891.095+/-0.740 χ^2/NDF:678302.8/23

Out: 3520.647+/-0.672 χ^2/NDF:1064652.1/27

All: 3688.033+/-0.497 χ^2/NDF: 1880434.0/51



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:5.1/7

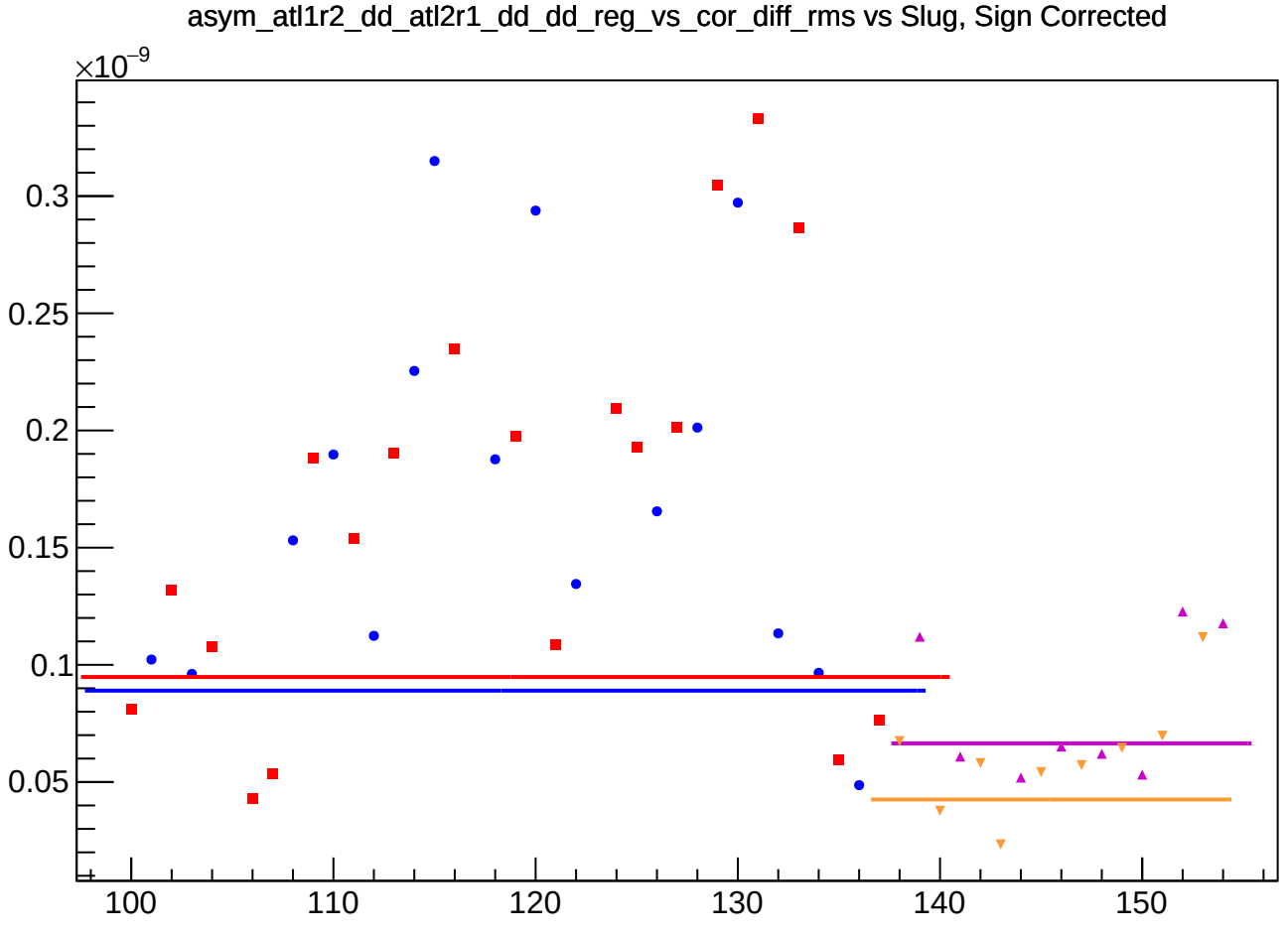
Left: 0.000+/-0.000 χ^2/NDF: 14.1/16

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:25.4/27

All: 0.000+/-0.000 χ^2/NDF: 47.9/51



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:577604.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2076212.1/16

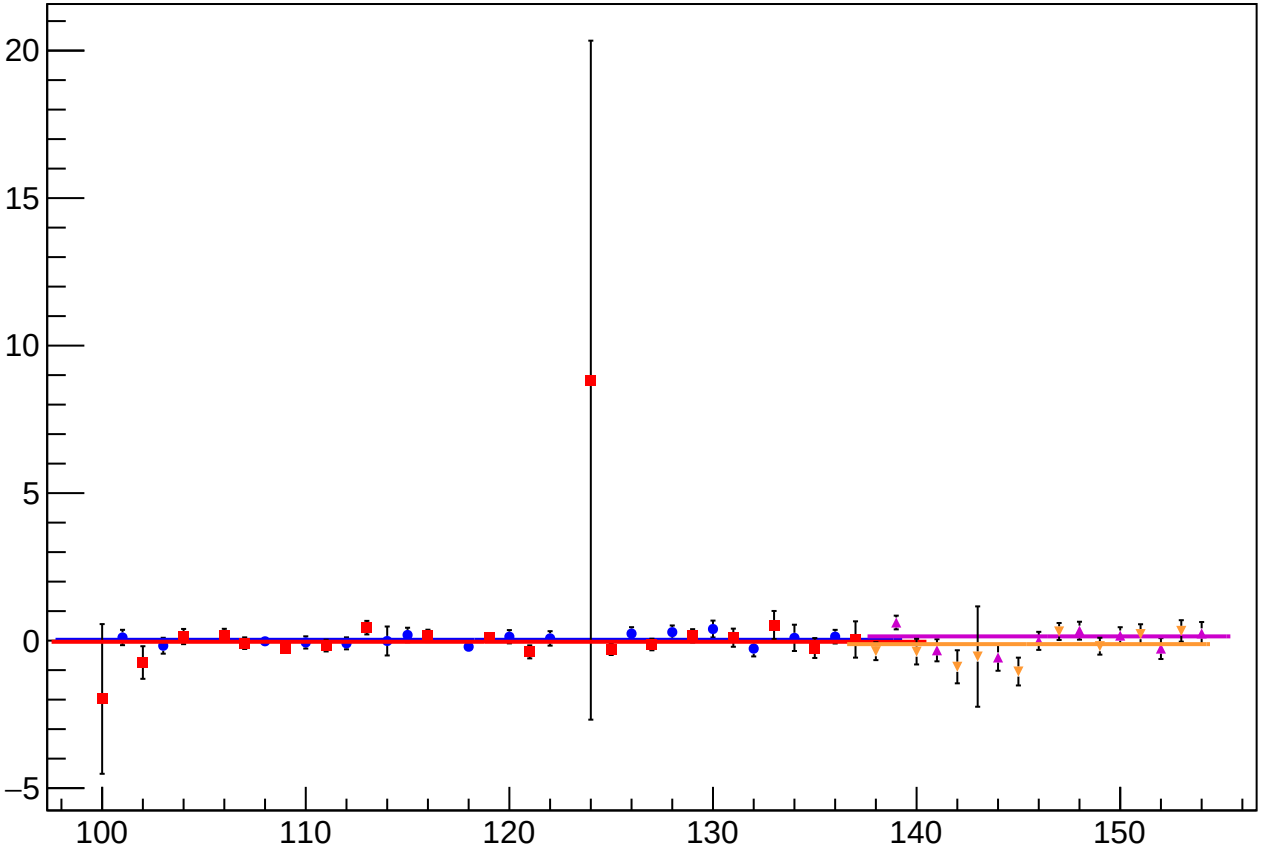
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2234118.2/23

Out: 0.000+/-0.000 χ^2/NDF:3888605.4/27

All: 0.000+/-0.000 χ^2/NDF: 6682234.7/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

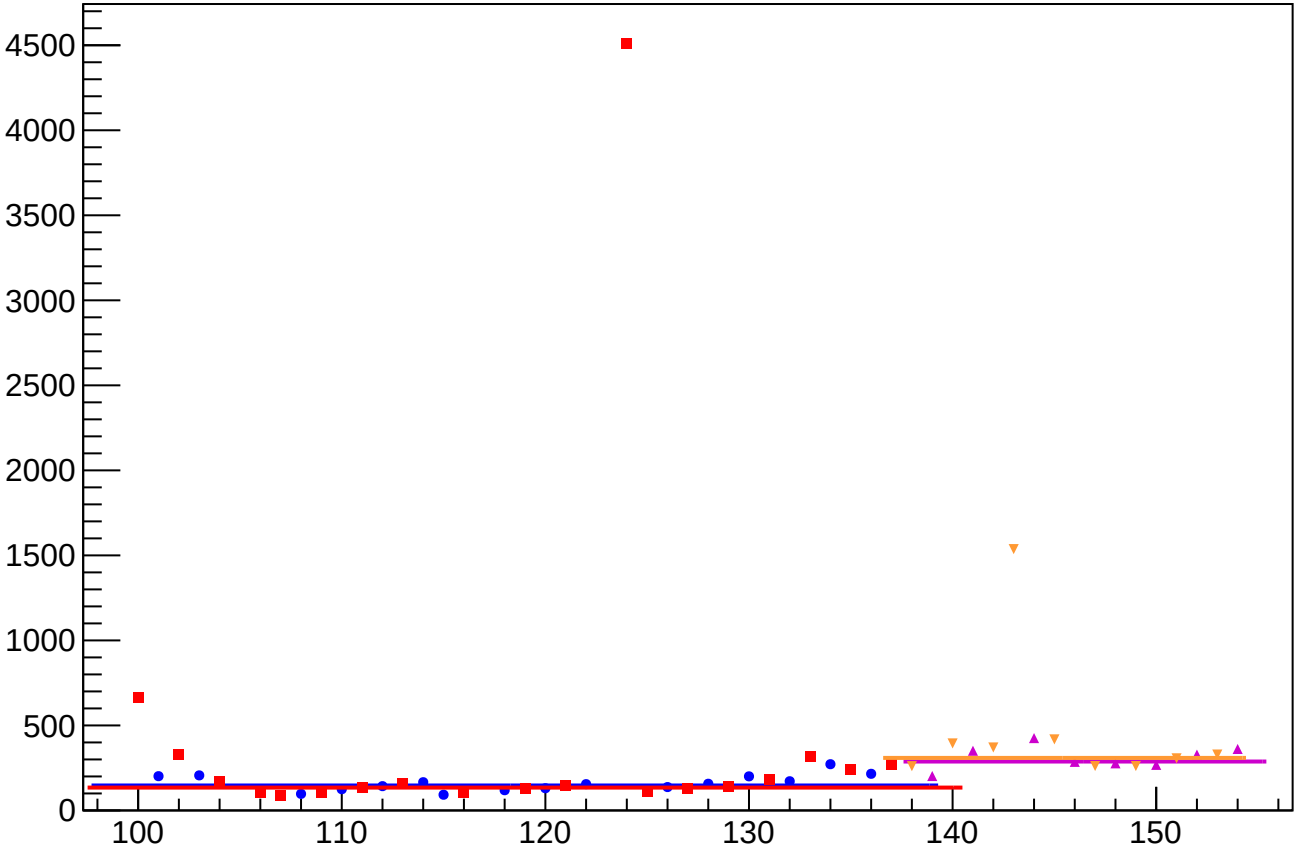
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.728+/-0.079 χ^2/NDF:624337.1/7

Left: 297.326+/-0.059 χ^2/NDF: 2074996.6/16

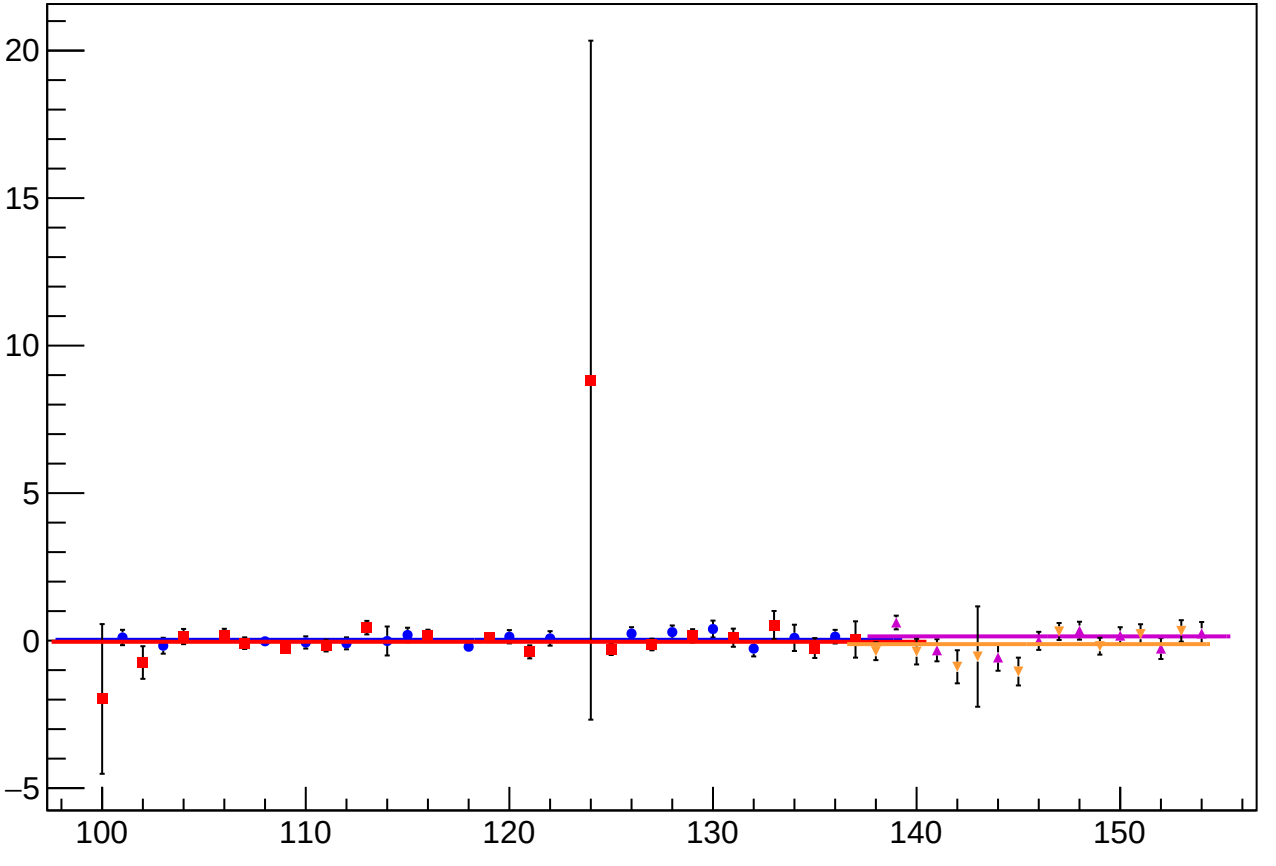
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 169.456+/-0.025 χ^2/NDF: 10518461.7/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

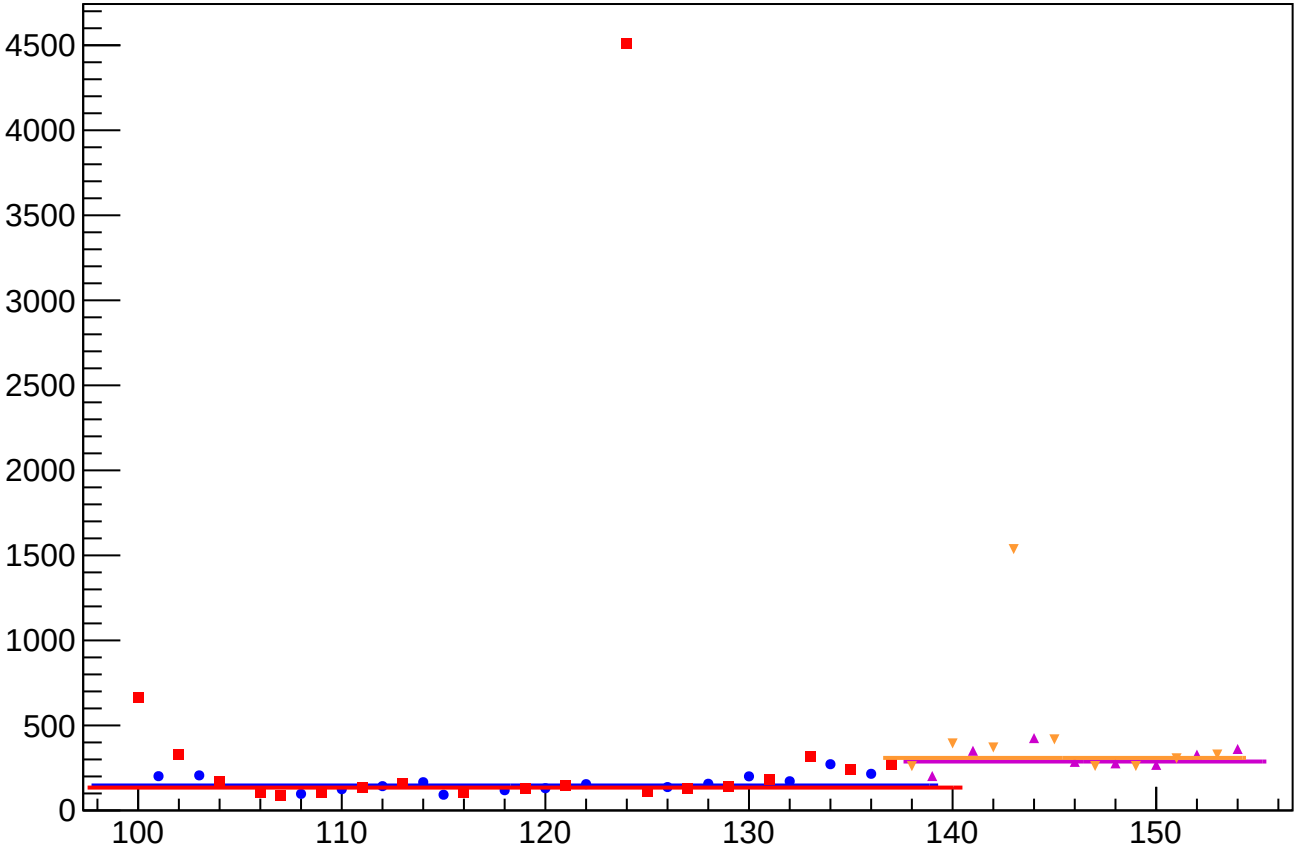
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.728+/-0.079 χ^2/NDF:624337.1/7

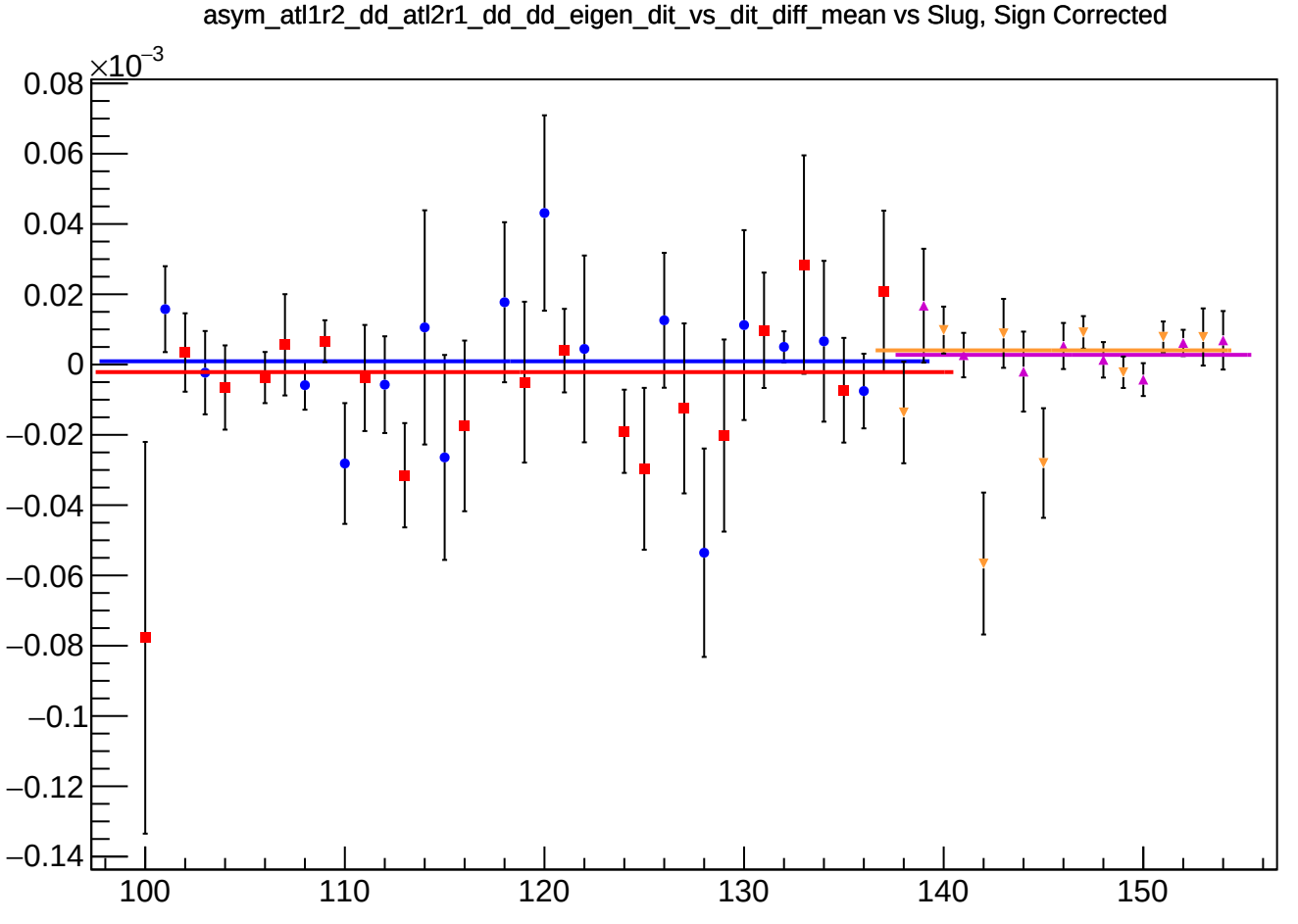
Left: 297.326+/-0.059 χ^2/NDF: 2074996.6/16

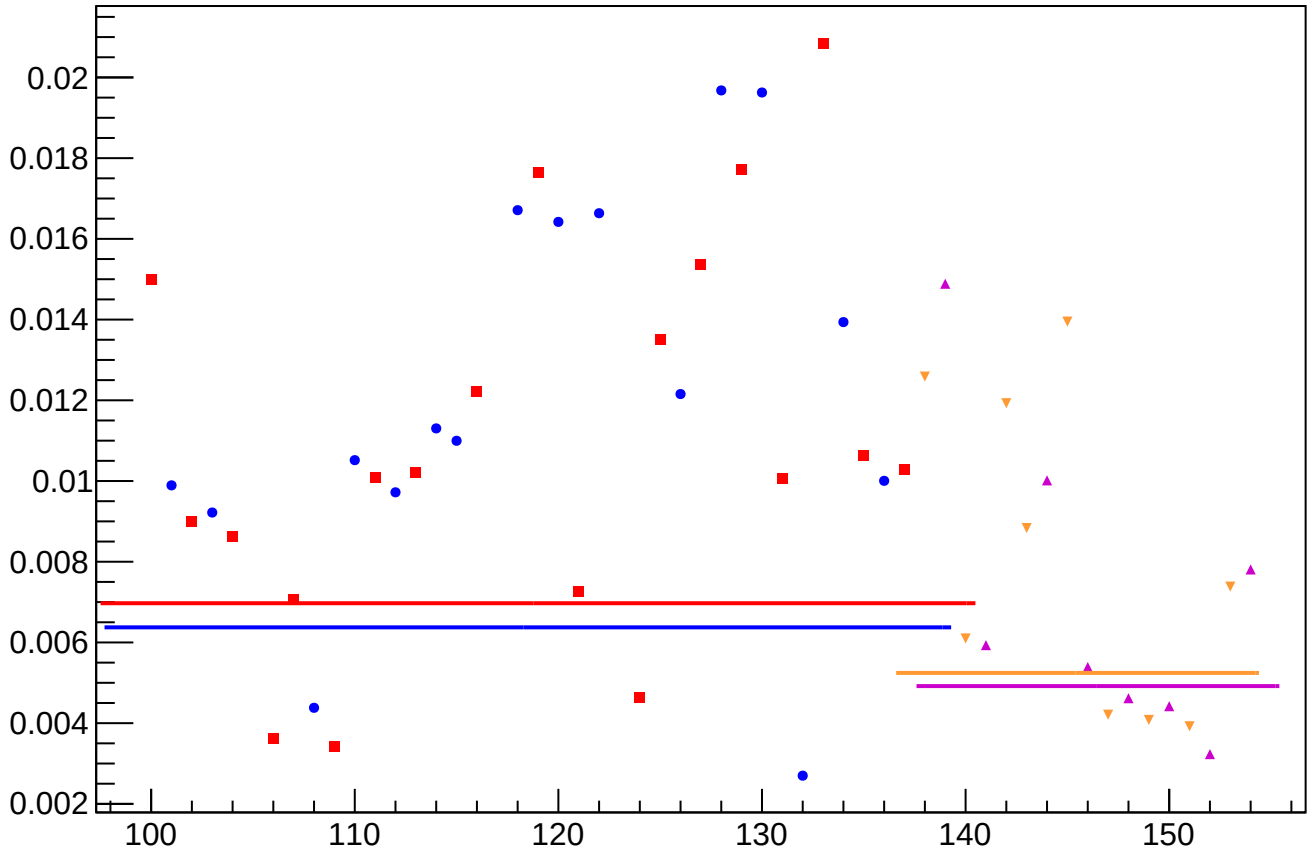
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 169.456+/-0.025 χ^2/NDF: 10518461.7/51


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
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:4.5/7
Left: 0.000+/-0.000 χ²/NDF: 24.6/16
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:19.6/23
Out: 0.000+/-0.000 χ²/NDF:38.7/27
All: 0.000+/-0.000 χ²/NDF: 58.3/51



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:1899835.1/7

Left: 0.005+/-0.000 χ^2/NDF: 4139859.3/16

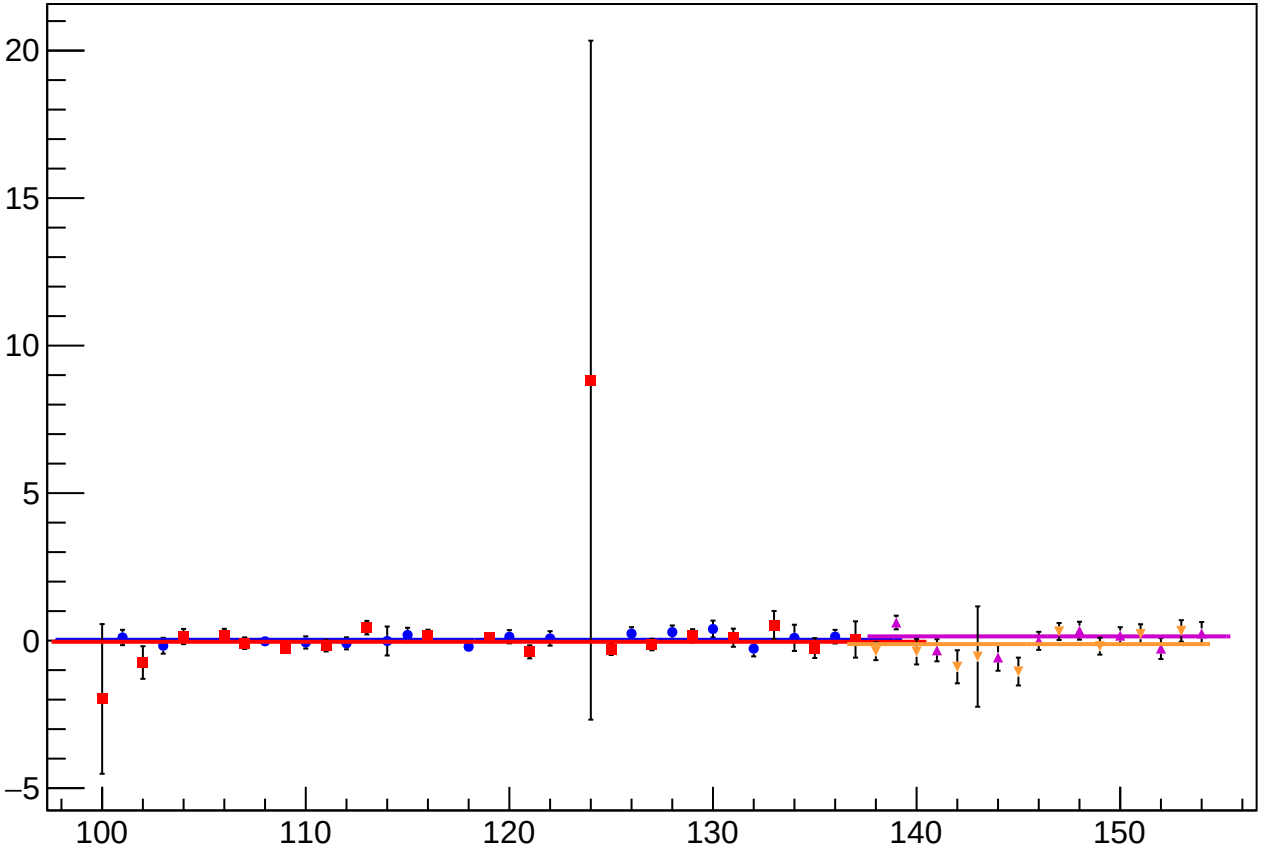
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6868250.1/23

Out: 0.006+/-0.000 χ^2/NDF:6056102.4/27

All: 0.006+/-0.000 χ^2/NDF: 12987120.7/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

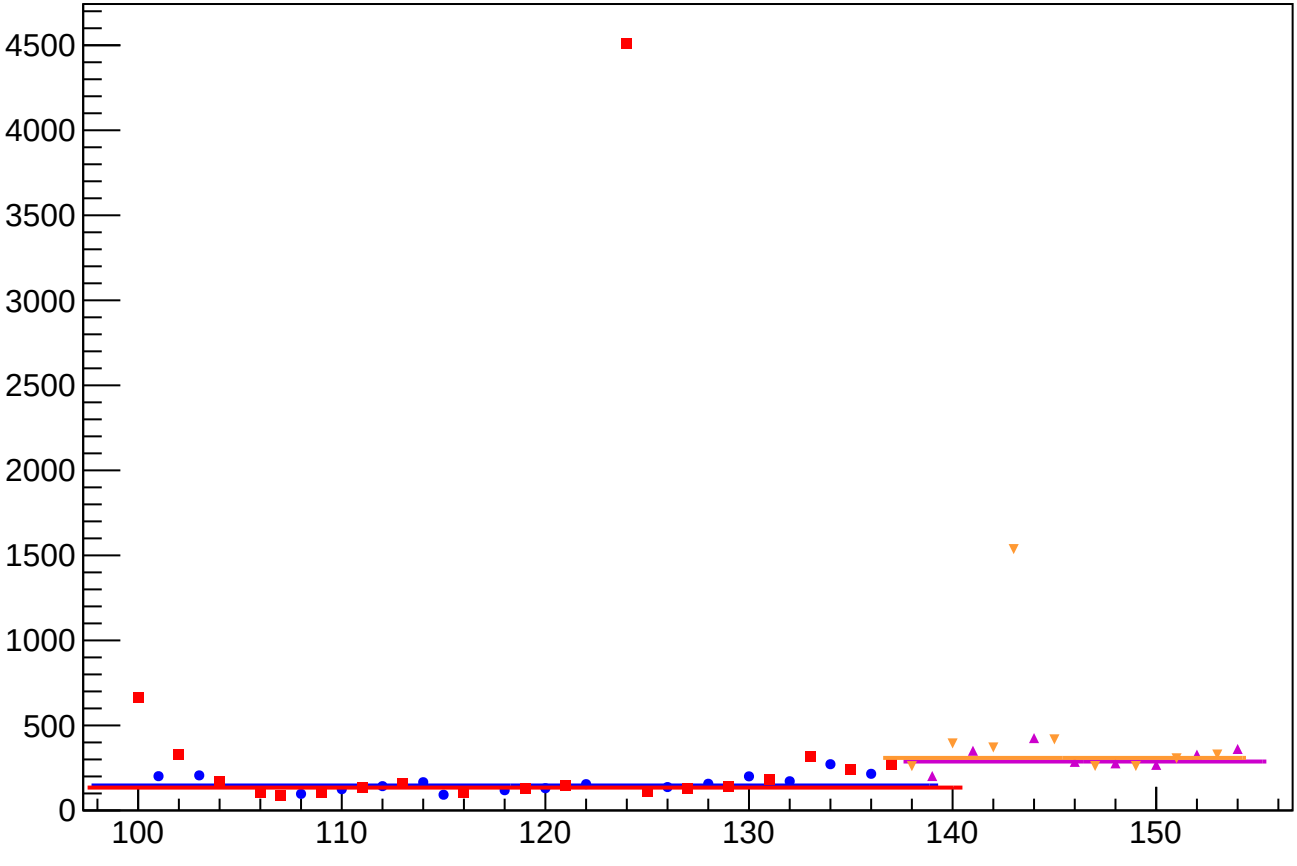
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.731+/-0.079 χ^2/NDF:624316.3/7

Left: 297.329+/-0.059 χ^2/NDF: 2074972.2/16

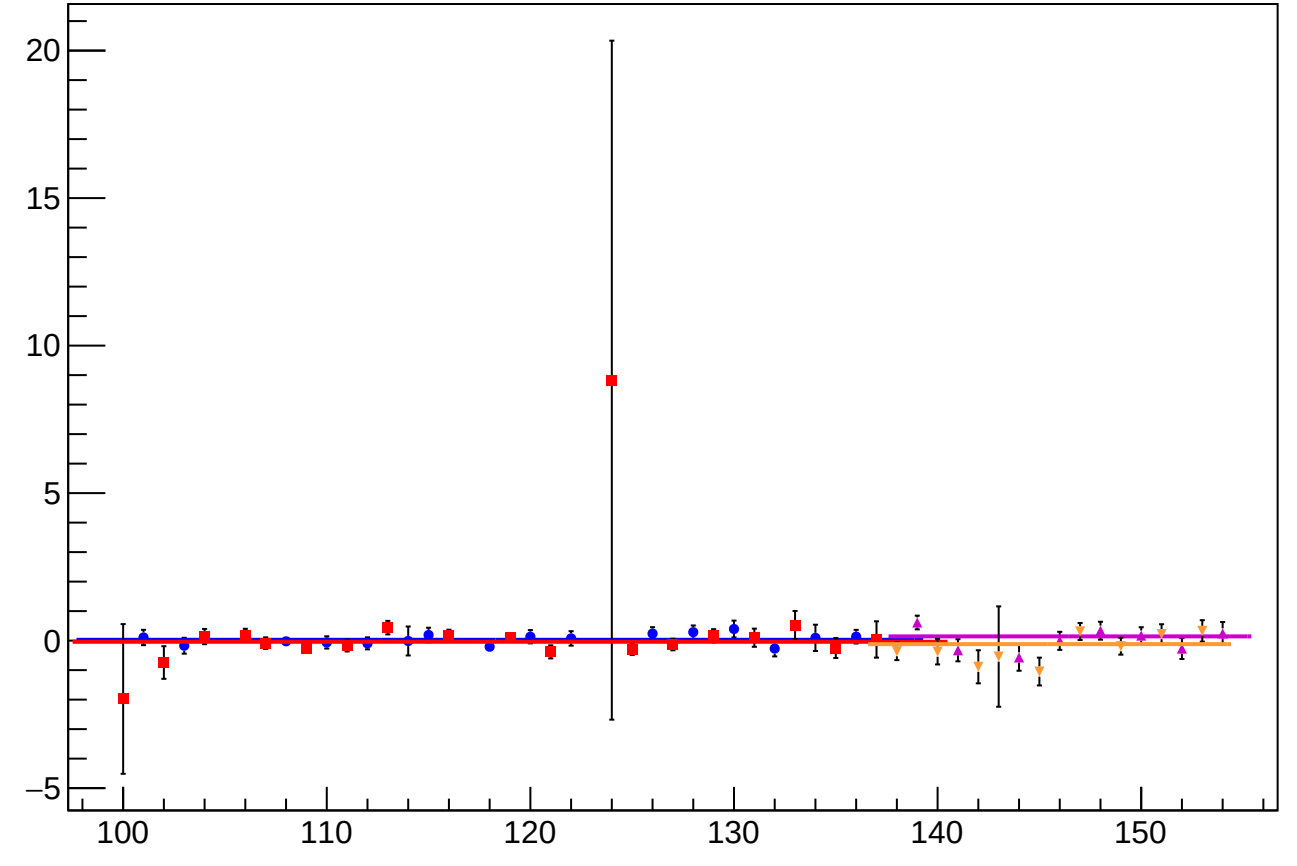
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 169.457+/-0.025 χ^2/NDF: 10518396.2/51

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: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.025+/-0.083 χ^2/NDF: 24.3/16

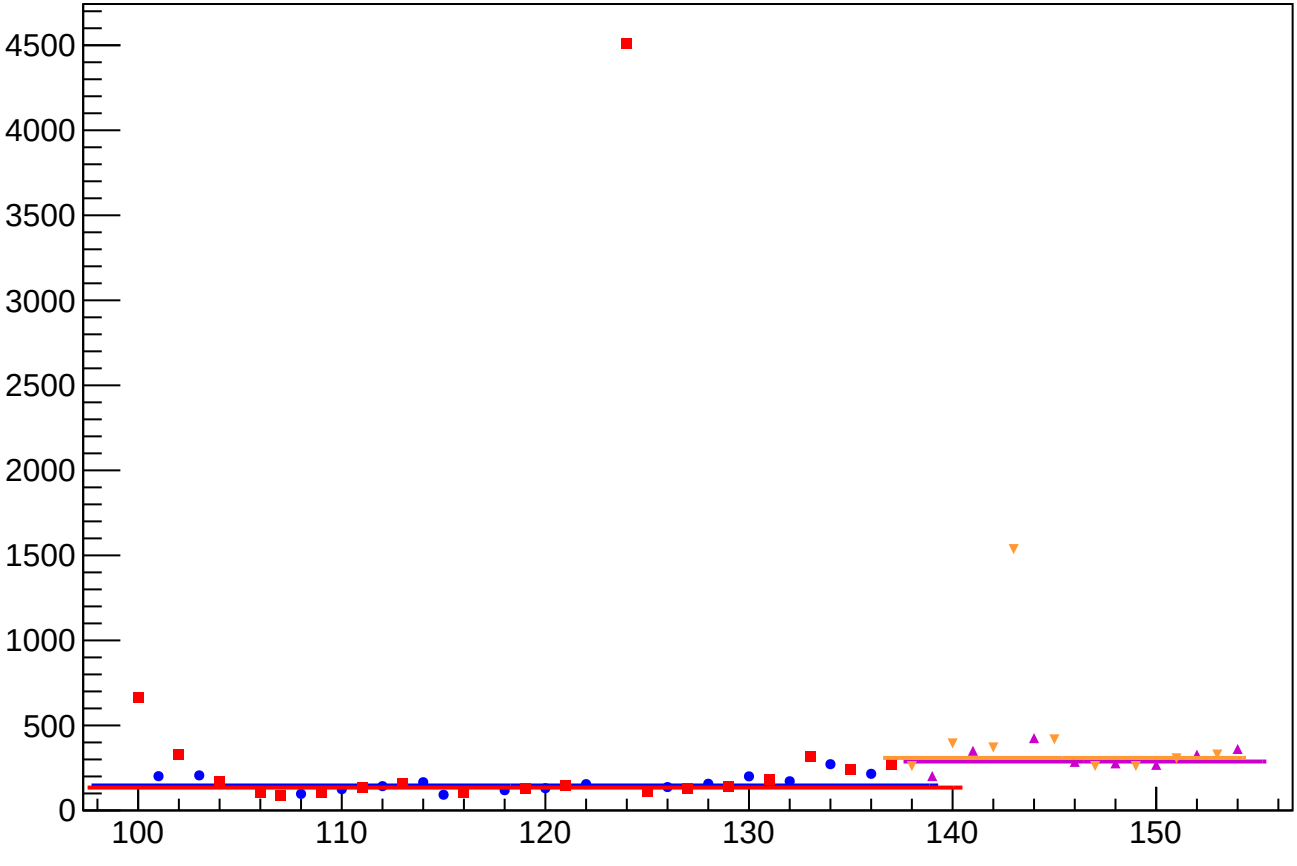
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.001+/-0.036 χ^2/NDF: 54.6/51

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: 287.731+/-0.079 χ^2/NDF:624316.3/7

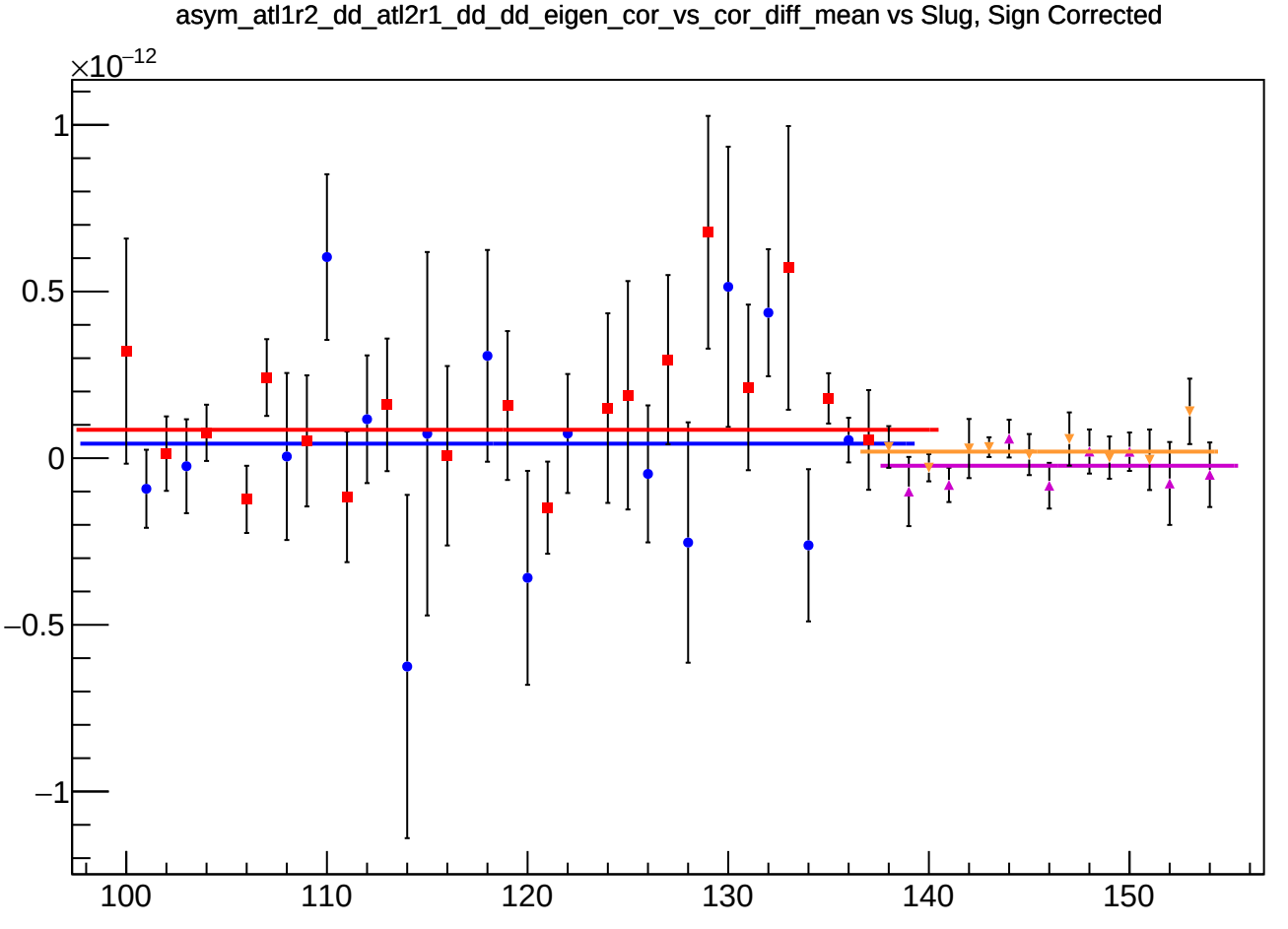
Left: 297.329+/-0.059 χ^2/NDF: 2074972.2/16

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 169.457+/-0.025 χ^2/NDF: 10518396.2/51



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:5.8/7

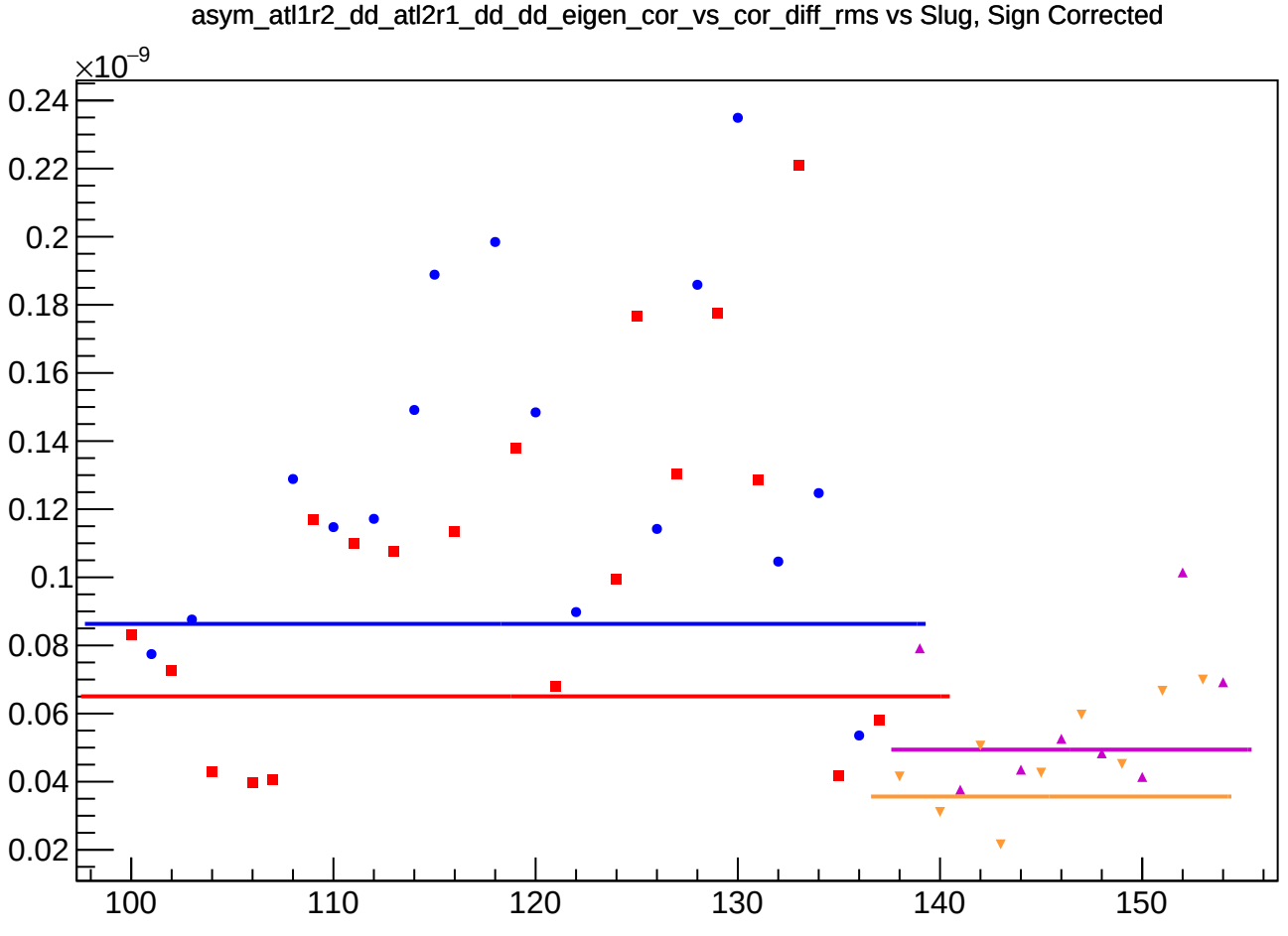
Left: 0.000+/-0.000 χ^2/NDF: 11.3/16

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.6/23

Out: 0.000+/-0.000 χ^2/NDF:24.6/27

All: 0.000+/-0.000 χ^2/NDF: 53.6/51



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:767201.4/7

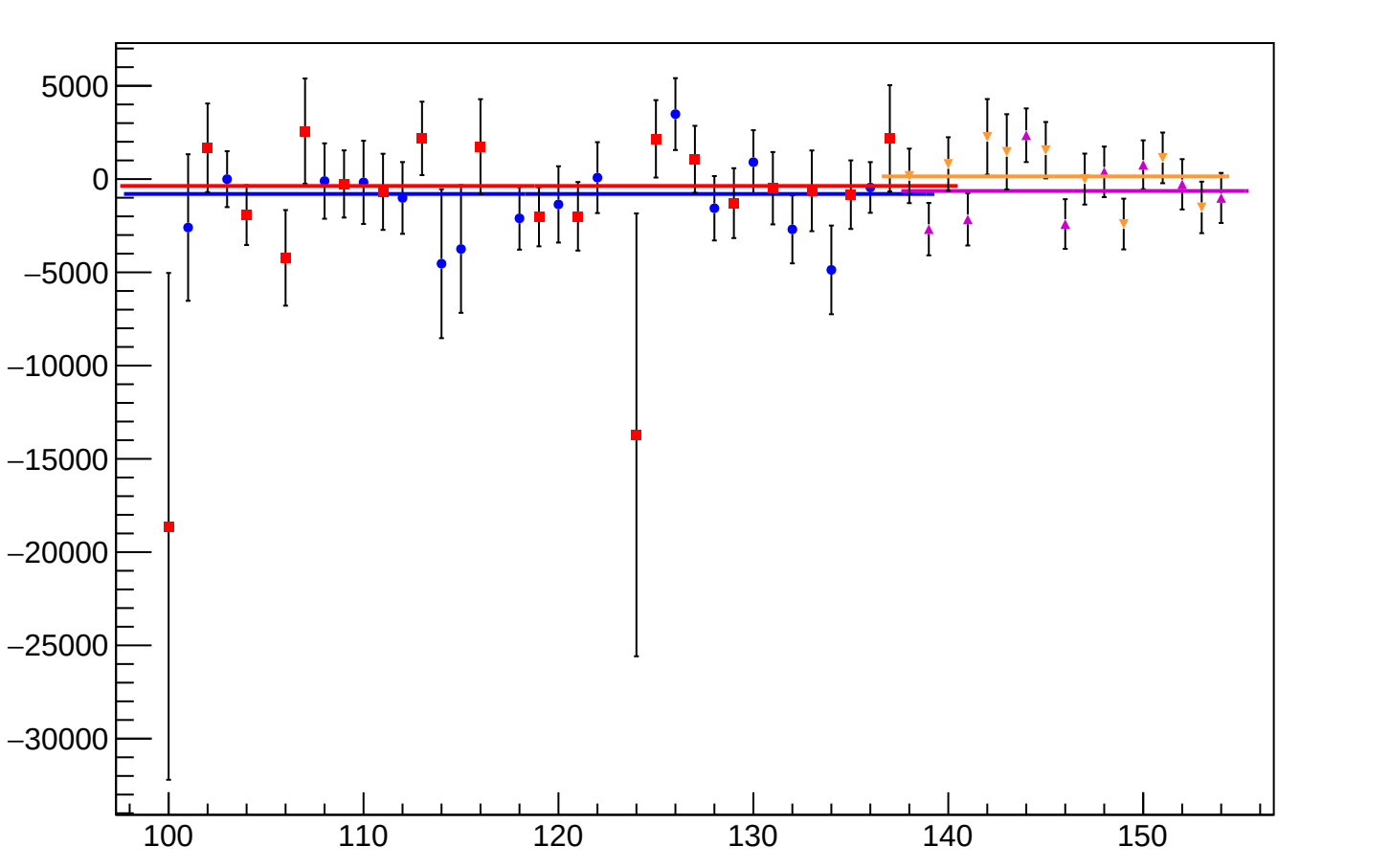
Left: 0.000+/-0.000 χ^2/NDF: 2457844.5/16

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3460936.3/23

Out: 0.000+/-0.000 χ^2/NDF:4588730.5/27

All: 0.000+/-0.000 χ^2/NDF: 8802797.9/51



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 143.398+/-498.445 χ^2/NDF:8.1/8

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -638.924+/-482.336 χ^2/NDF:11.3/7

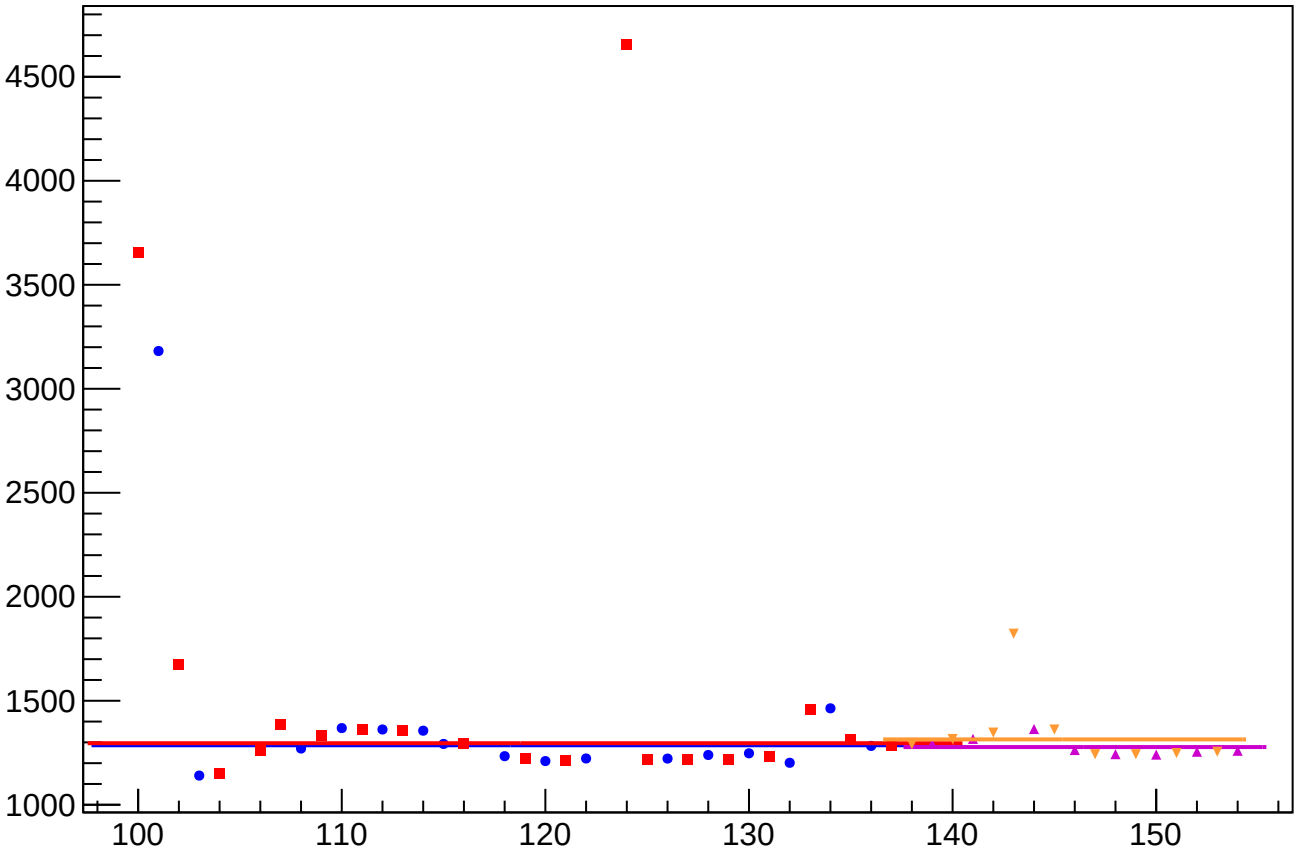
Left: -260.609+/-346.618 χ^2/NDF: 20.7/16

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -717.269+/-342.858 χ^2/NDF:24.7/23

Out: -119.887+/-347.906 χ^2/NDF:24.3/27

All: -422.944+/-244.203 χ^2/NDF: 50.5/51



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: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1295.263+/-0.245 χ^2/NDF: 167943.3/16

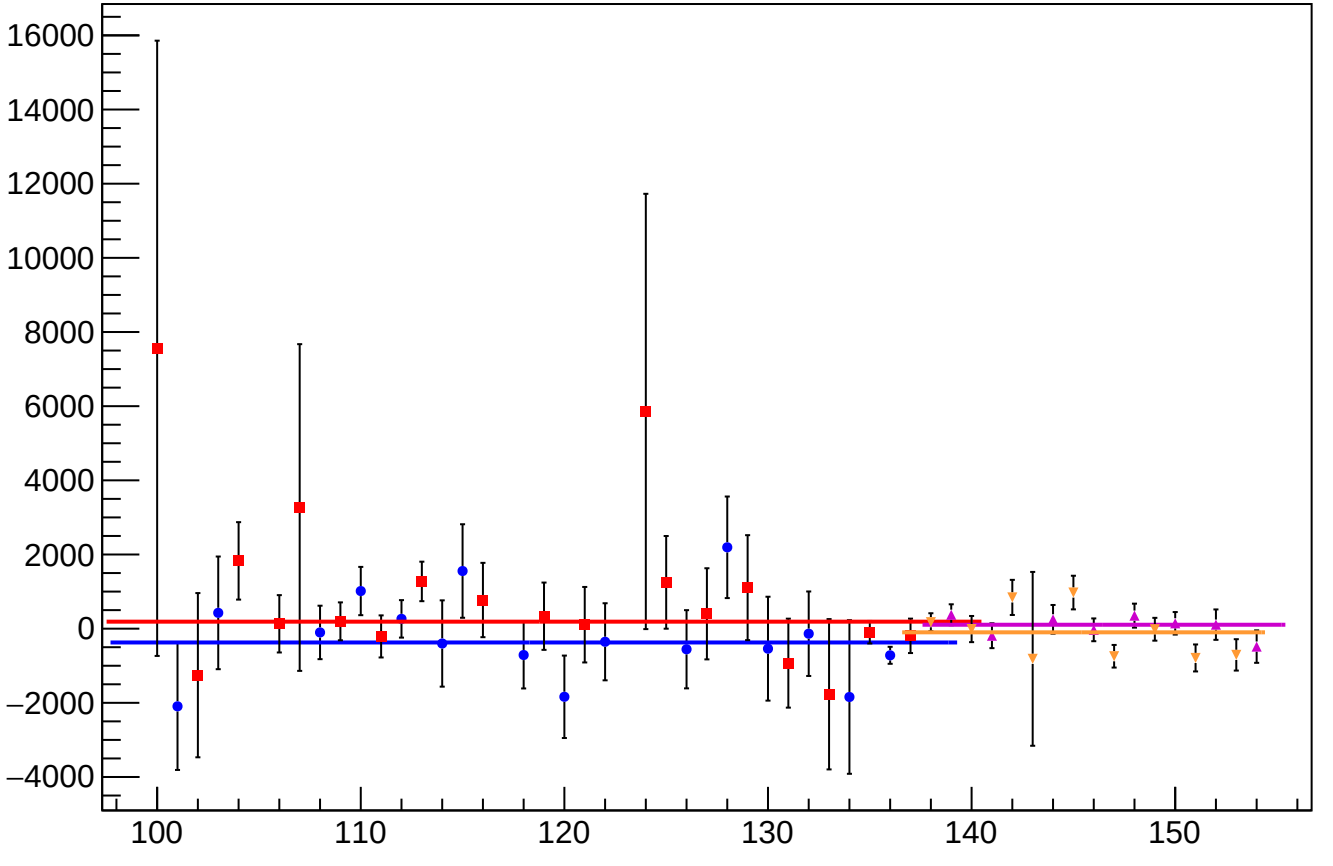
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1281.725+/-0.242 χ^2/NDF:531487.4/23

Out: 1304.882+/-0.246 χ^2/NDF:478716.7/27

All: 1293.134+/-0.173 χ^2/NDF: 1014699.3/51

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: 105.612+/-119.290 χ^2/NDF:4.4/7

Left: 4.321+/-84.700 χ^2/NDF: 27.1/16

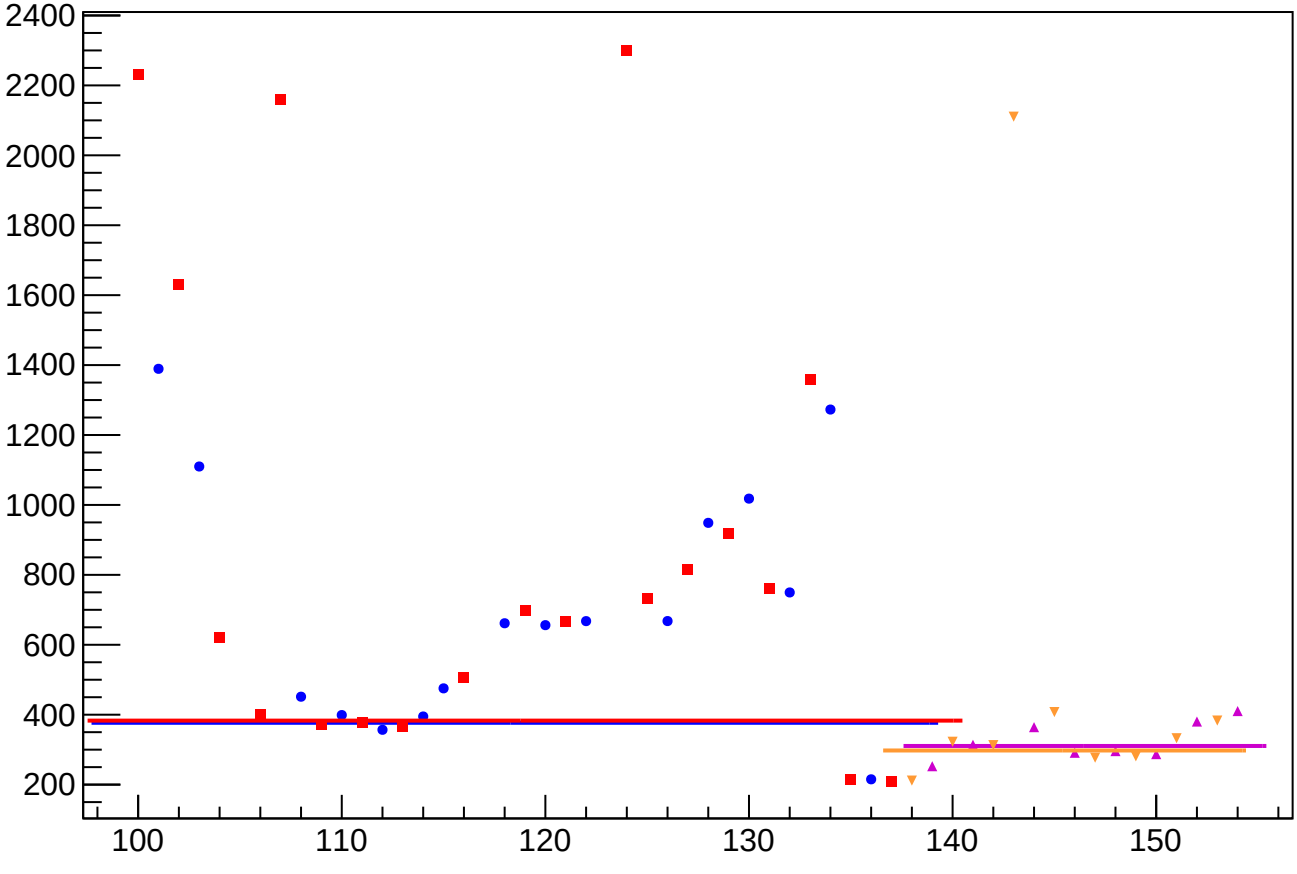
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -54.328+/-97.304 χ^2/NDF:28.0/23

Out: -2.395+/-98.109 χ^2/NDF:37.8/27

All: -28.575+/-69.087 χ^2/NDF: 65.9/51

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: 310.564+/-0.084 χ^2/NDF:309025.7/7

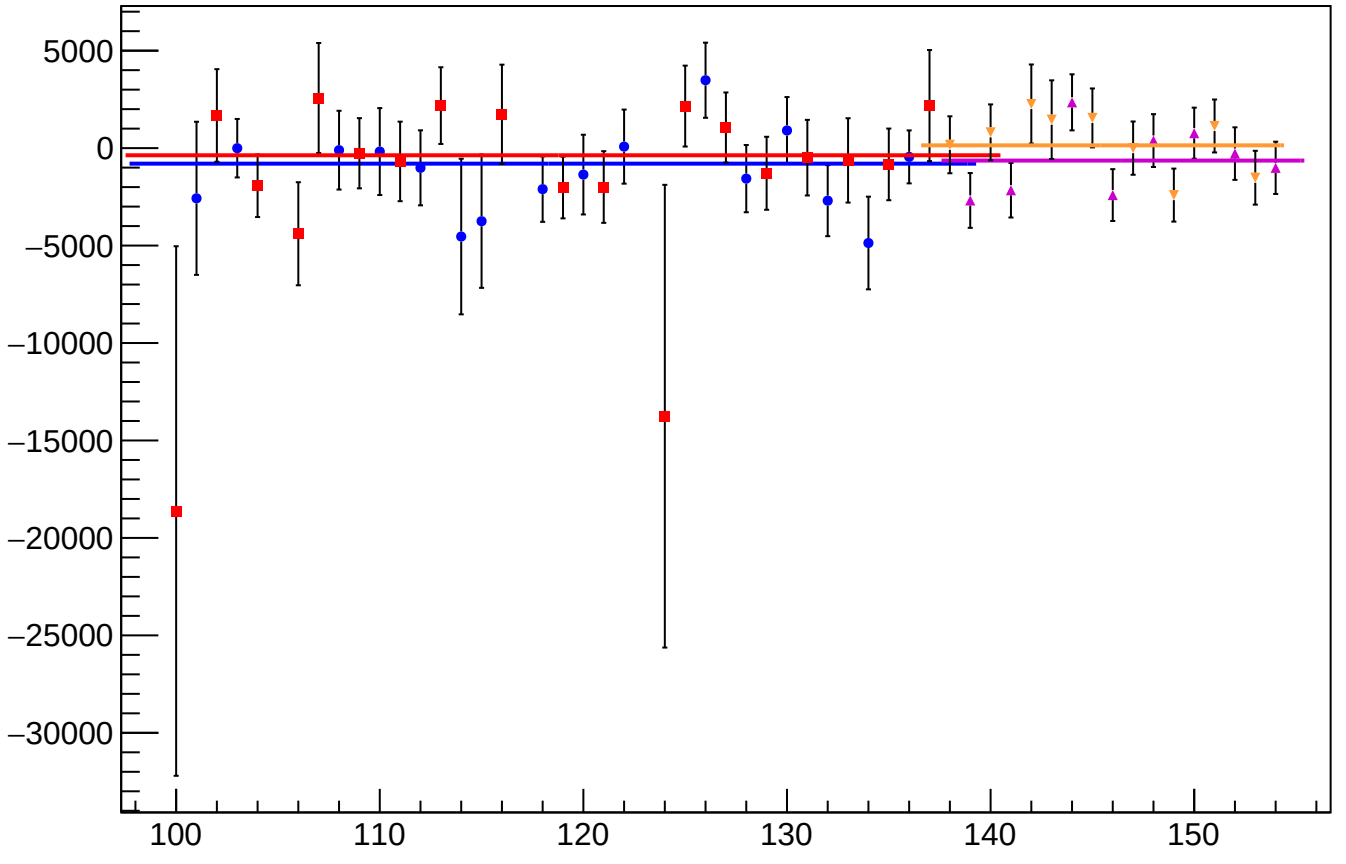
Left: 304.162+/-0.060 χ^2/NDF: 2016393.1/16

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 332.761+/-0.069 χ^2/NDF:4706142.4/23

Out: 326.245+/-0.069 χ^2/NDF:6087501.3/27

All: 329.530+/-0.049 χ^2/NDF: 10798091.4/51



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: -638.878+/-482.336 χ^2/NDF:11.3/7

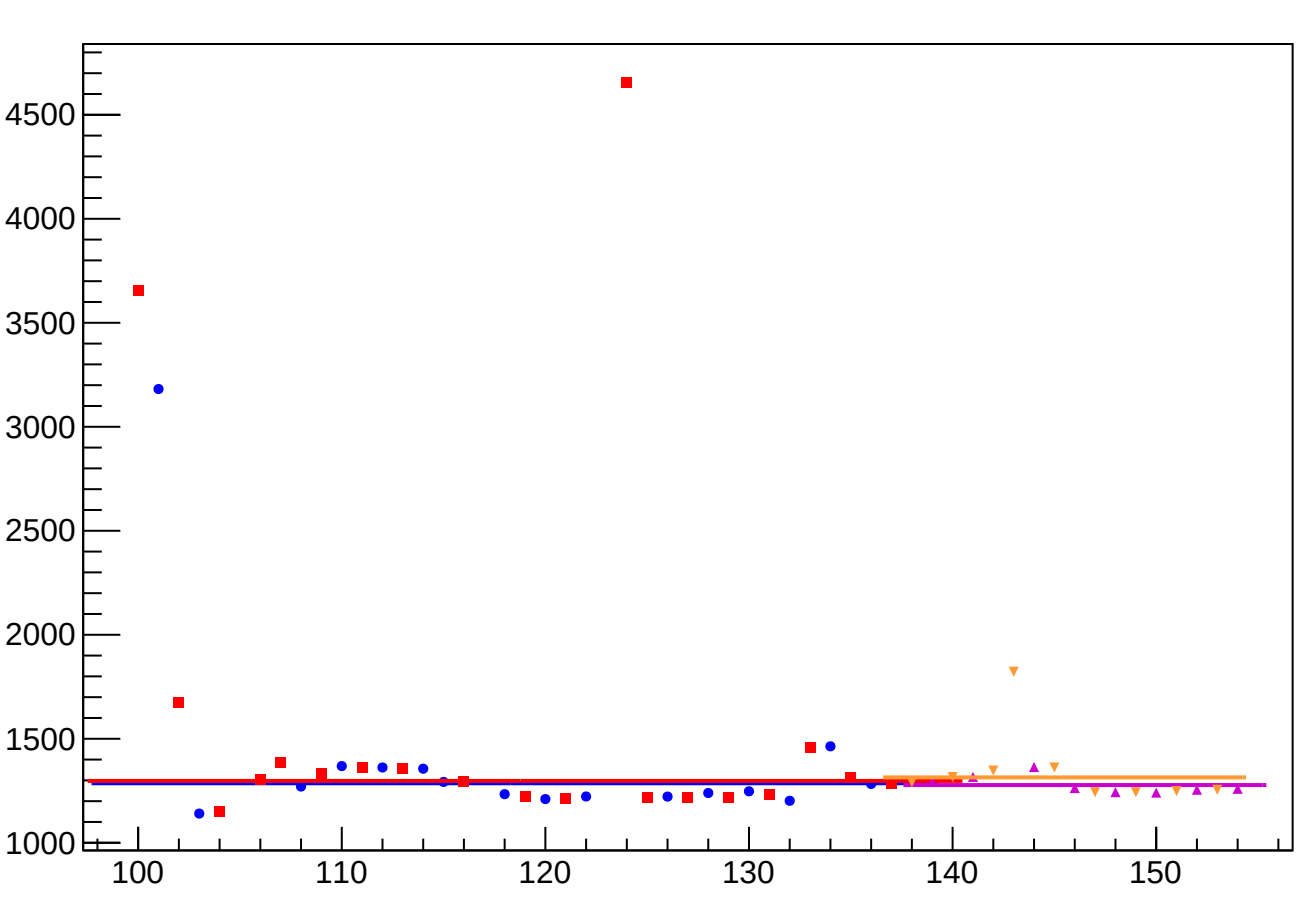
Left: -260.580+/-346.618 χ^2/NDF: 20.7/16

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -717.047+/-342.858 χ^2/NDF:24.7/23

Out: -118.309+/-348.098 χ^2/NDF:24.3/27

All: -422.218+/-244.269 χ^2/NDF: 50.6/51



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: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1295.263+/-0.245 χ^2/NDF: 167943.3/16

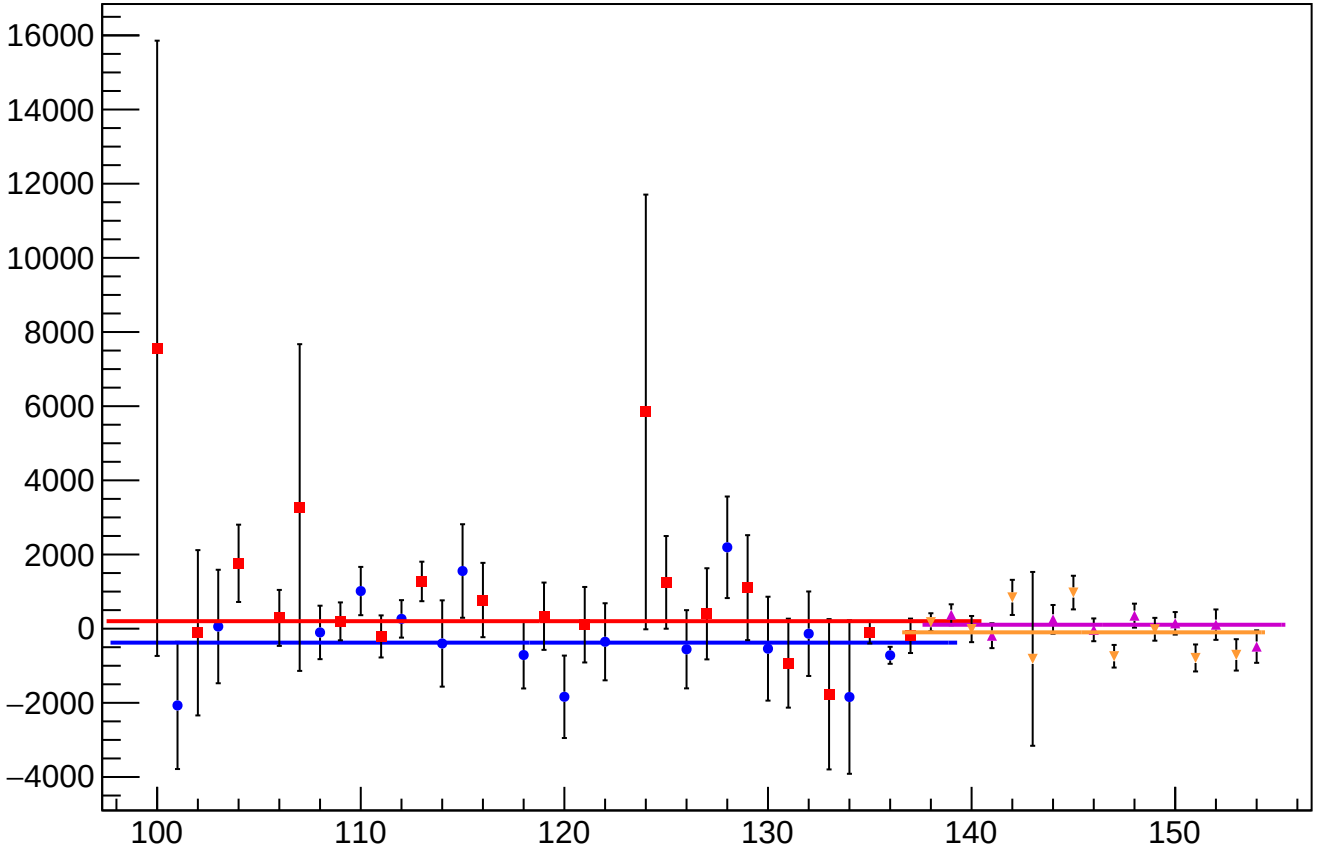
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1281.725+/-0.242 χ^2/NDF:531488.8/23

Out: 1305.635+/-0.246 χ^2/NDF:478176.1/27

All: 1293.499+/-0.173 χ^2/NDF: 1014454.6/51

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: 105.646+/-119.289 χ^2/NDF:4.4/7

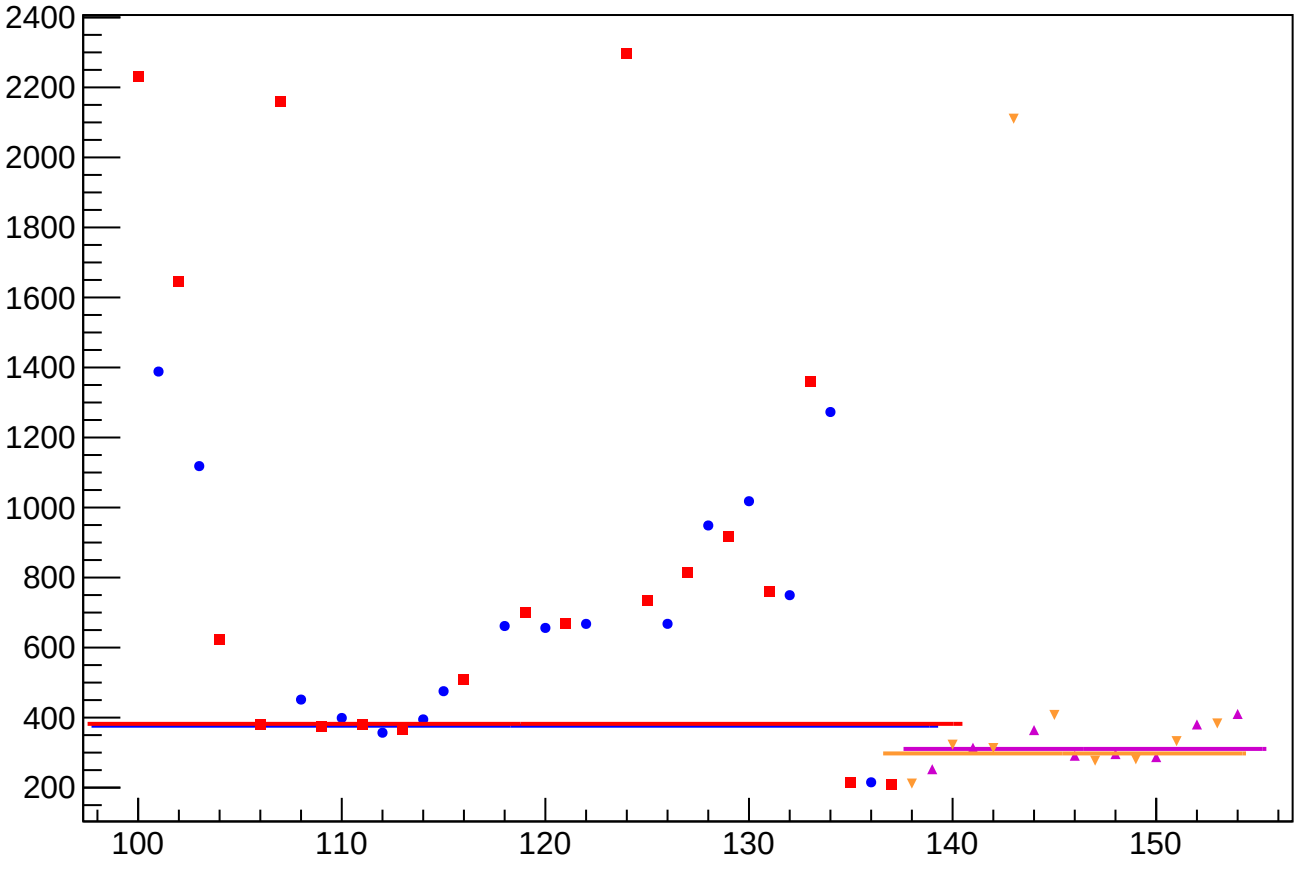
Left: 4.334+/-84.701 χ^2/NDF: 27.1/16

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -55.767+/-97.307 χ^2/NDF:27.8/23

Out: 2.174+/-98.072 χ^2/NDF:37.3/27

All: -27.023+/-69.075 χ^2/NDF: 65.3/51



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: 310.563+/-0.084 χ^2/NDF:309059.4/7

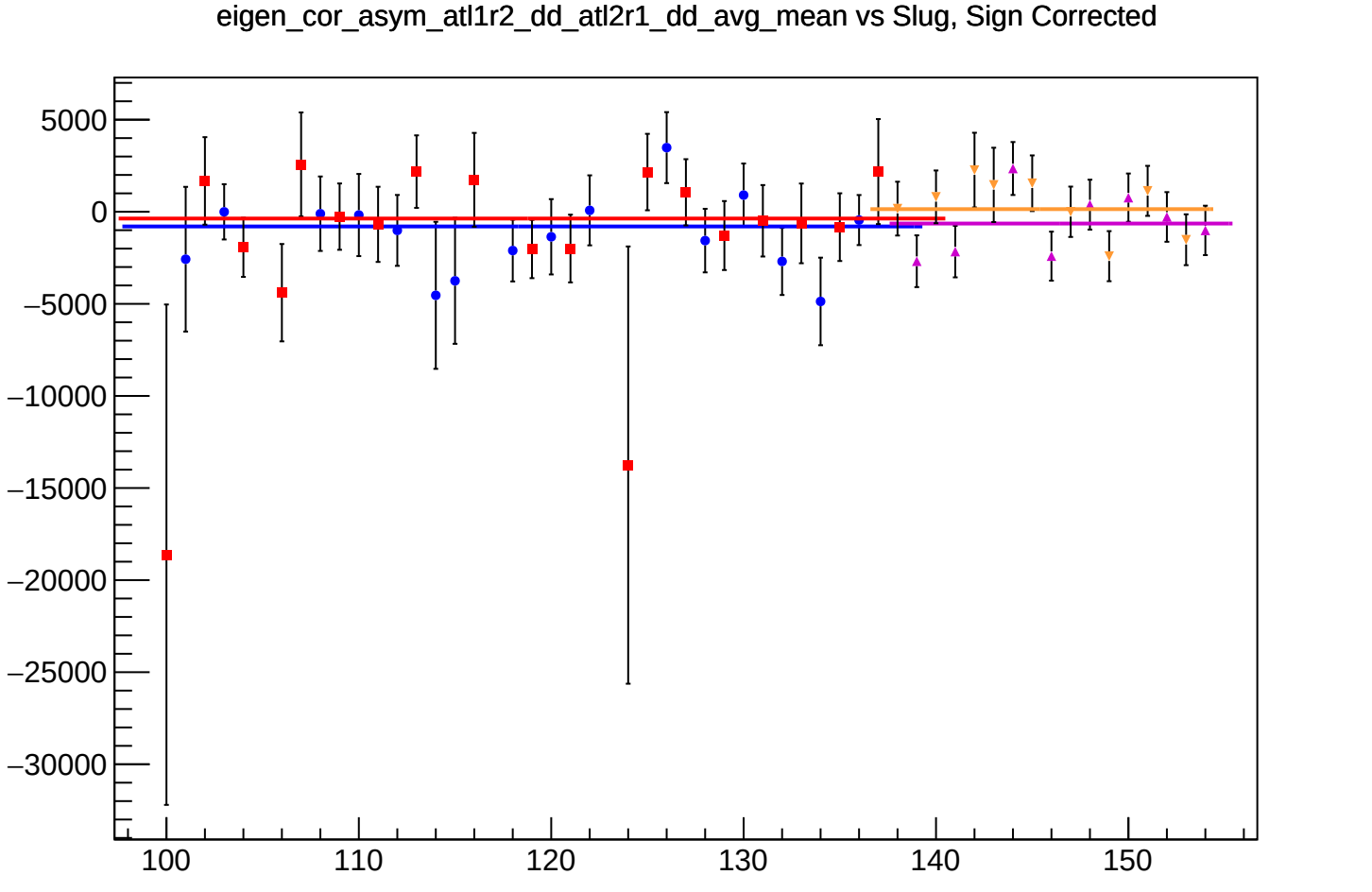
Left: 304.166+/-0.060 χ^2/NDF: 2016380.3/16

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 332.753+/-0.069 χ^2/NDF:4709234.7/23

Out: 325.983+/-0.069 χ^2/NDF:6086010.0/27

All: 329.395+/-0.049 χ^2/NDF: 10800048.0/51



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: -638.878+/-482.336 χ^2/NDF:11.3/7

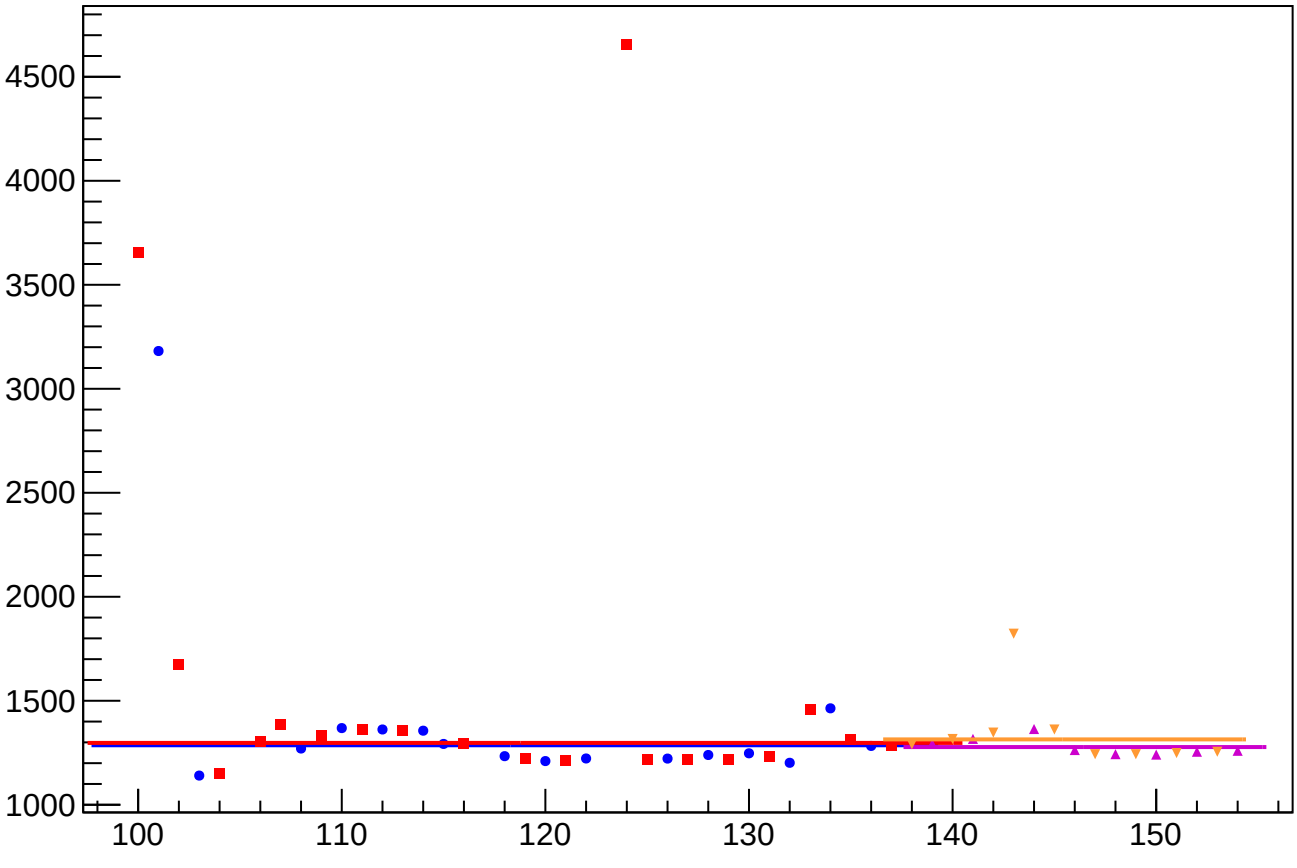
Left: -260.580+/-346.618 χ^2/NDF: 20.7/16

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -717.047+/-342.858 χ^2/NDF:24.7/23

Out: -118.309+/-348.098 χ^2/NDF:24.3/27

All: -422.218+/-244.269 χ^2/NDF: 50.6/51



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: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1295.263+/-0.245 χ^2/NDF: 167943.3/16

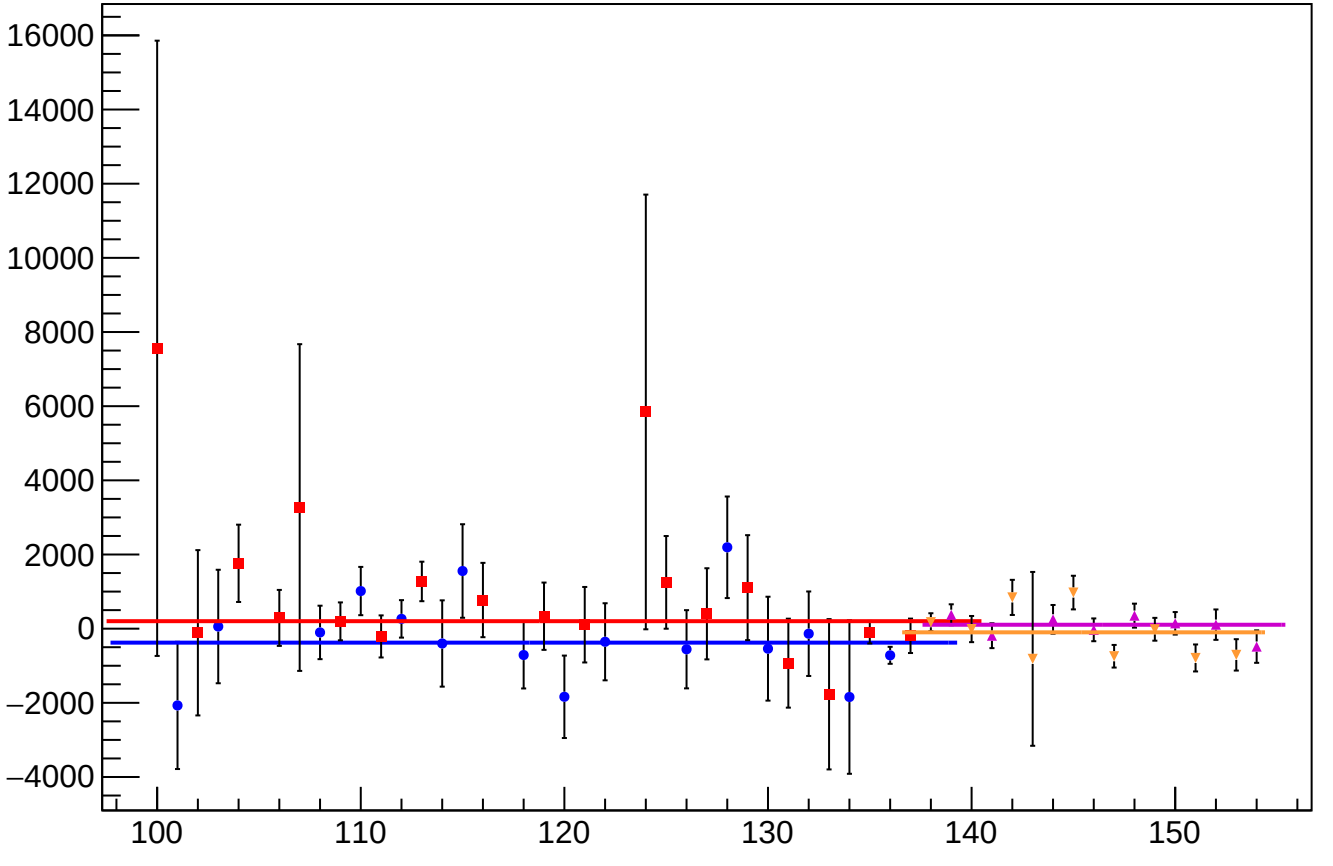
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1281.725+/-0.242 χ^2/NDF:531488.8/23

Out: 1305.635+/-0.246 χ^2/NDF:478176.1/27

All: 1293.499+/-0.173 χ^2/NDF: 1014454.6/51

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: 105.646+/-119.289 χ^2/NDF:4.4/7

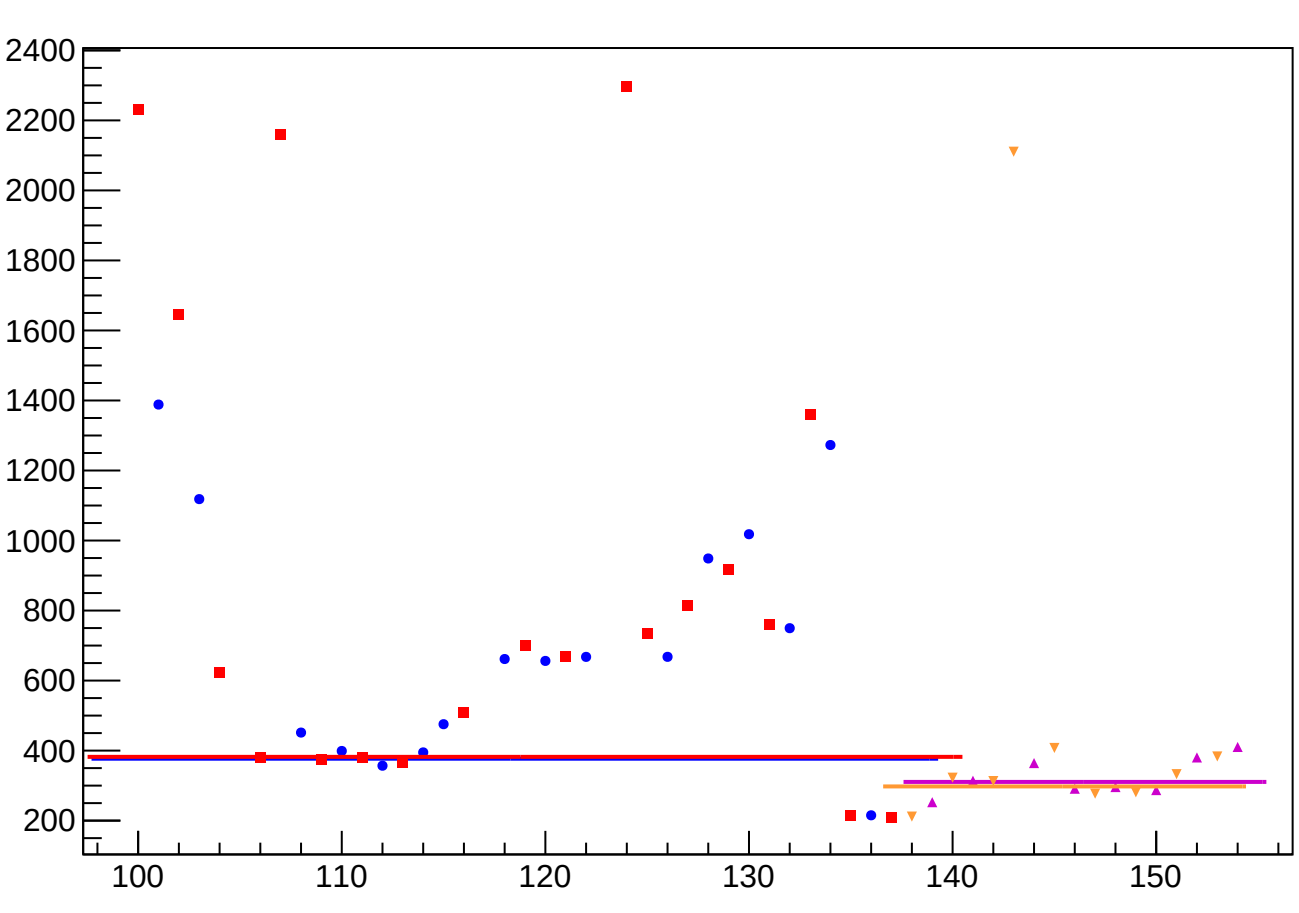
Left: 4.334+/-84.701 χ^2/NDF: 27.1/16

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -55.767+/-97.307 χ^2/NDF:27.8/23

Out: 2.174+/-98.072 χ^2/NDF:37.3/27

All: -27.023+/-69.075 χ^2/NDF: 65.3/51



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: 310.563+/-0.084 χ^2/NDF:309059.4/7

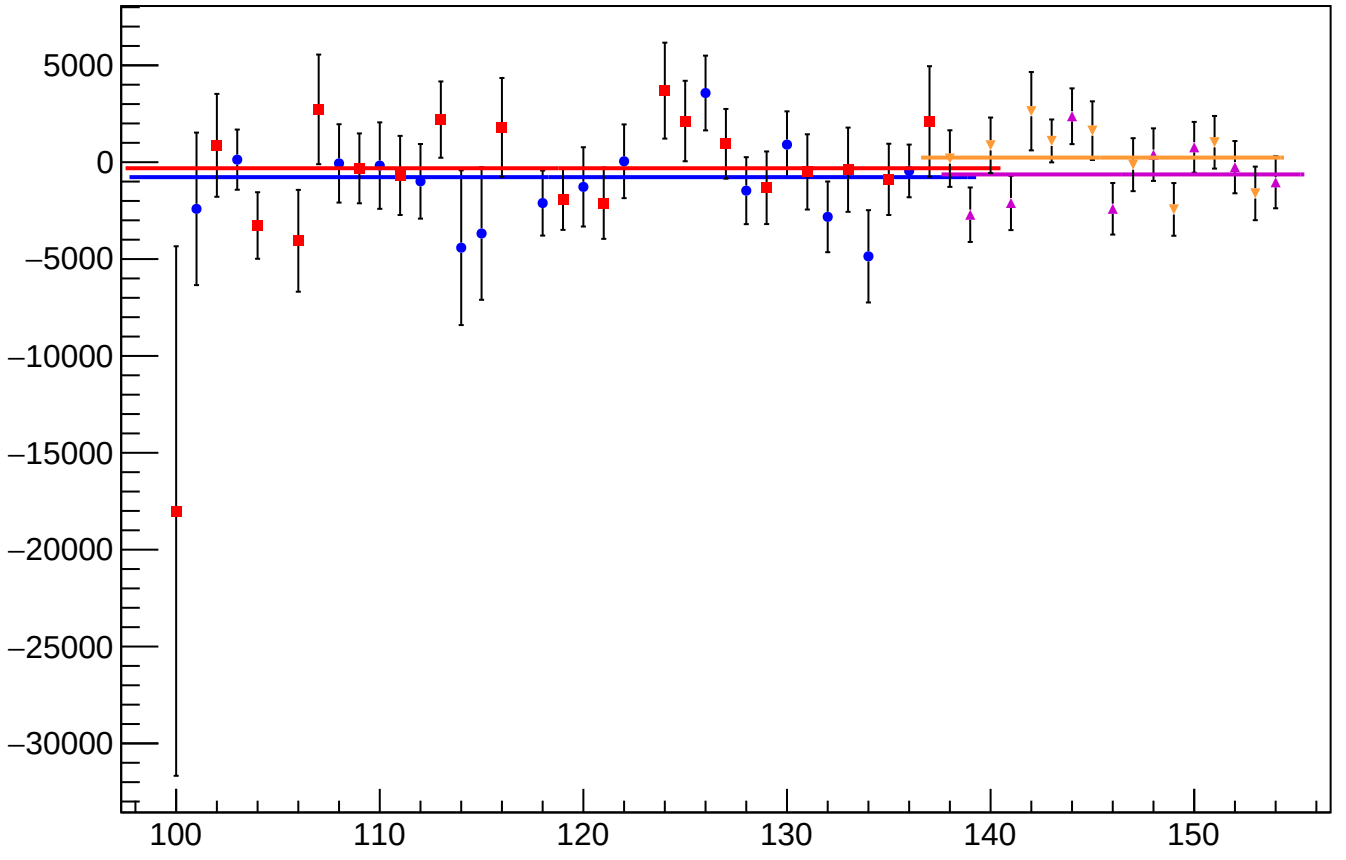
Left: 304.166+/-0.060 χ^2/NDF: 2016380.3/16

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 332.753+/-0.069 χ^2/NDF:4709234.7/23

Out: 325.983+/-0.069 χ^2/NDF:6086010.0/27

All: 329.395+/-0.049 χ^2/NDF: 10800048.0/51



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 237.944+/-466.678 χ^2/NDF:9.1/8

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -631.320+/-482.717 χ^2/NDF:11.3/7

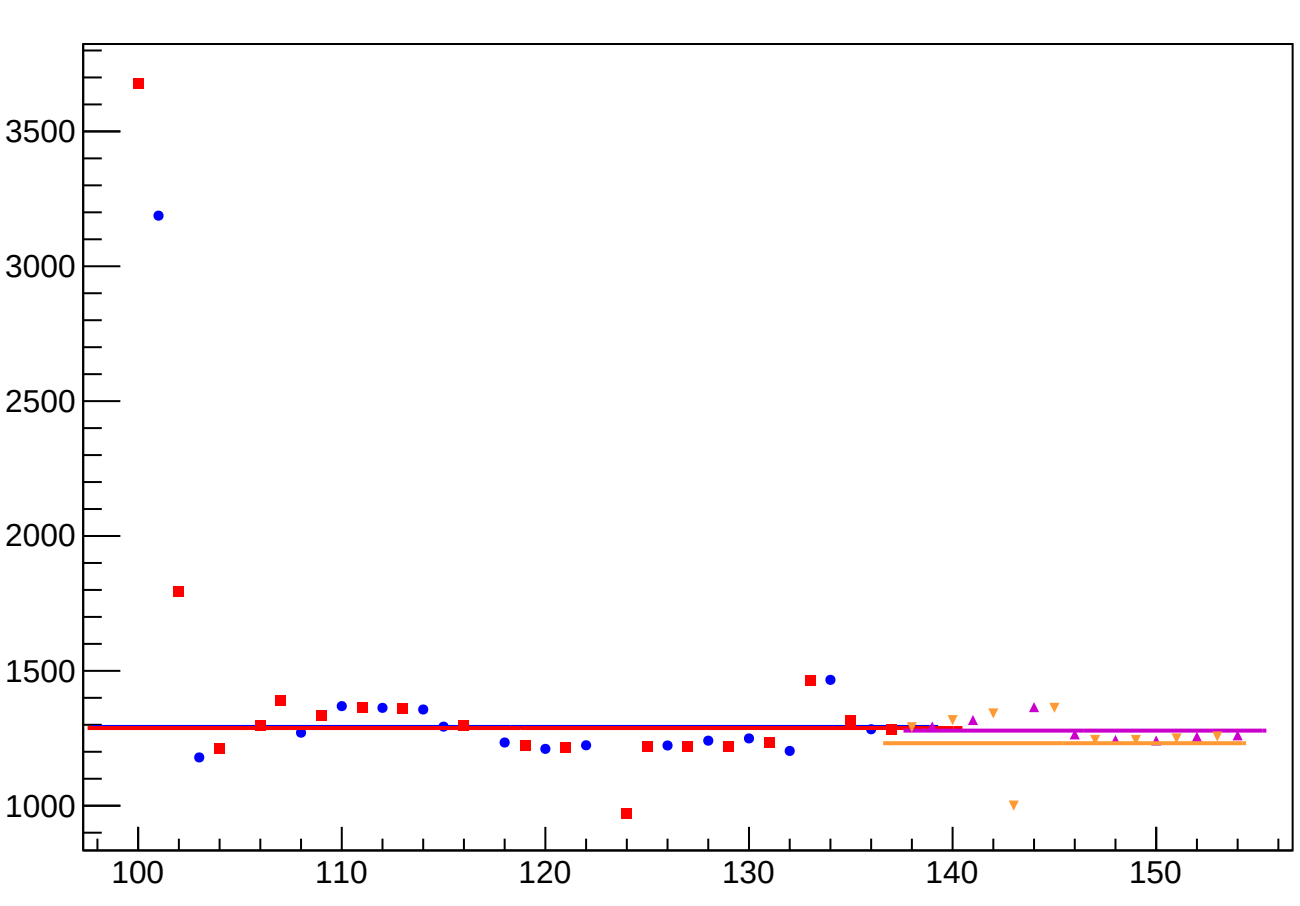
Left: -182.007+/-335.518 χ^2/NDF: 22.1/16

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -700.417+/-343.741 χ^2/NDF:24.9/23

Out: -27.501+/-335.493 χ^2/NDF:27.7/27

All: -355.789+/-240.092 χ^2/NDF: 54.6/51



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: 1278.445+/-0.341 χ^2/NDF:13106.8/7

Left: 1254.321+/-0.237 χ^2/NDF: 142838.8/16

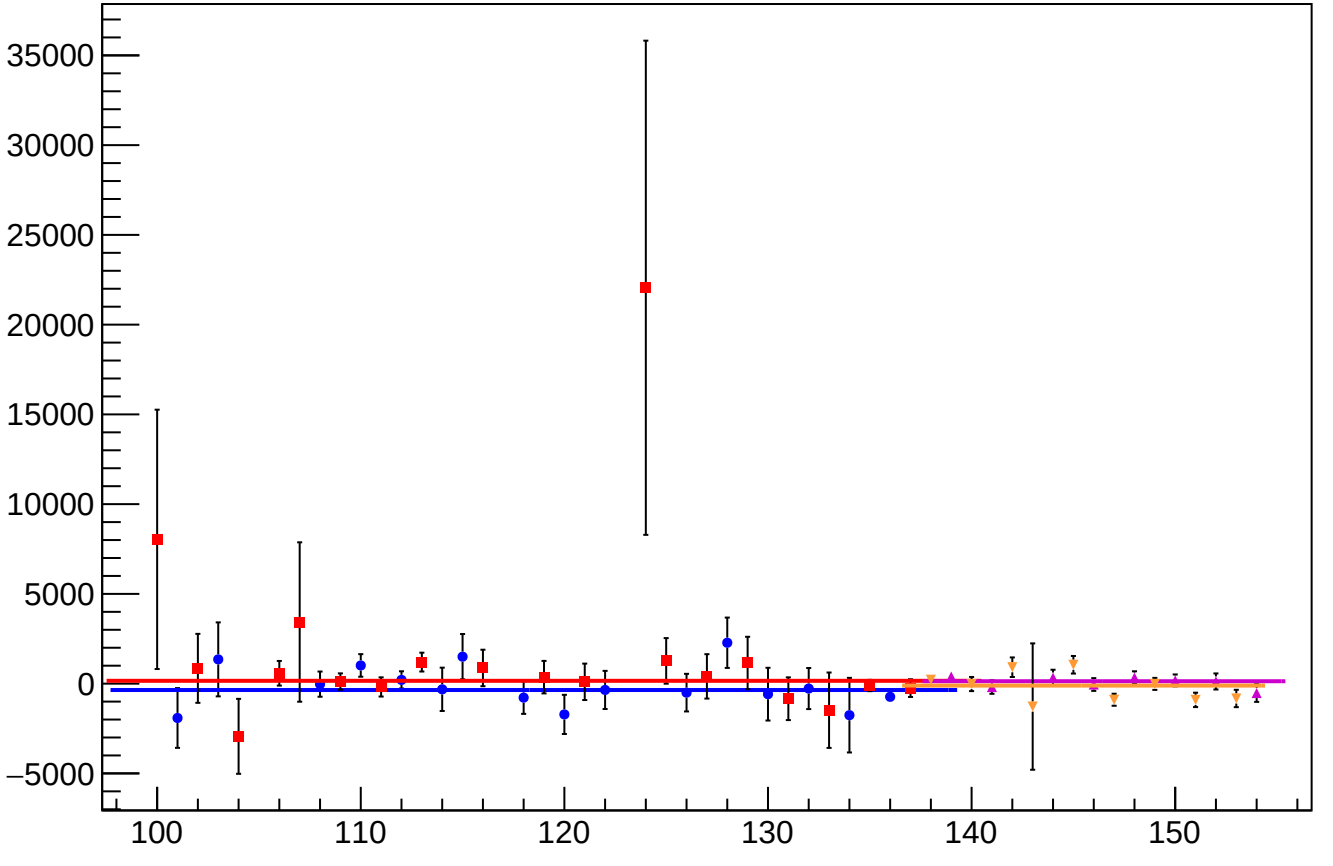
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1285.145+/-0.243 χ^2/NDF:523294.8/23

Out: 1258.936+/-0.237 χ^2/NDF:343299.3/27

All: 1271.722+/-0.170 χ^2/NDF: 872548.7/51

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: 134.735+/-129.692 χ^2/NDF:4.2/7

Left: 13.751+/-91.784 χ^2/NDF: 28.8/16

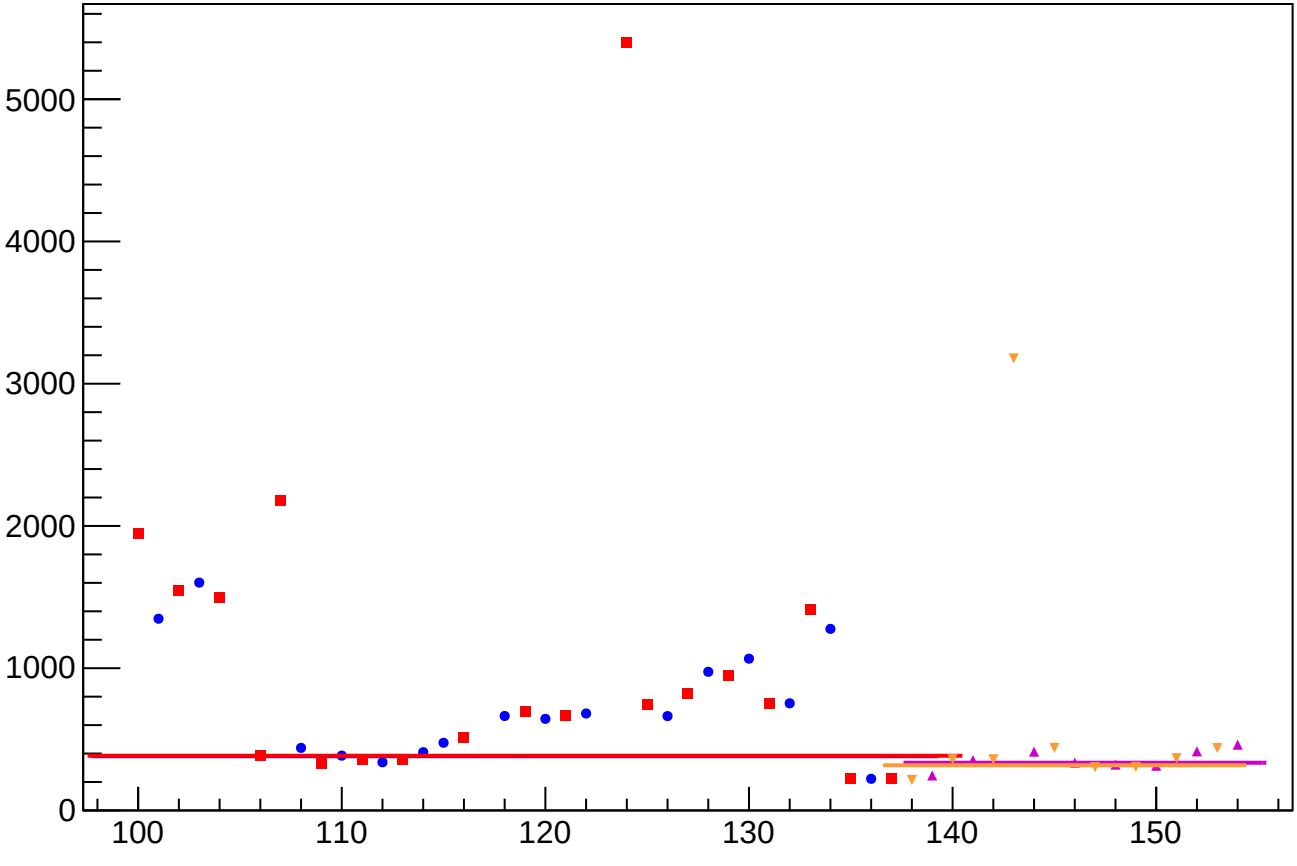
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -45.558+/-103.106 χ^2/NDF:27.9/23

Out: -9.489+/-103.147 χ^2/NDF:40.2/27

All: -27.531+/-72.921 χ^2/NDF: 68.2/51

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: 335.410+/-0.092 χ^2/NDF:484388.5/7

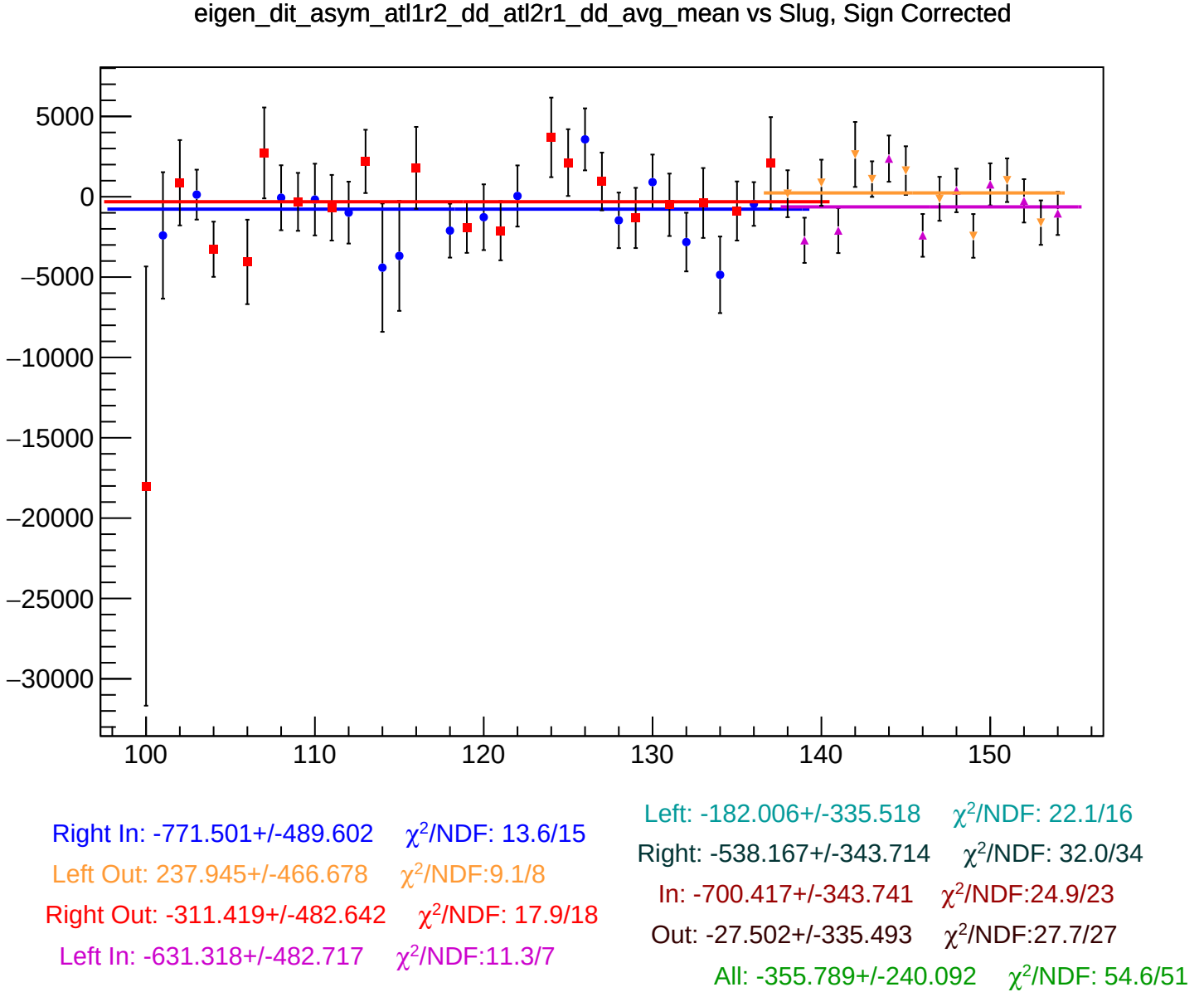
Left: 326.589+/-0.065 χ^2/NDF: 2507764.0/16

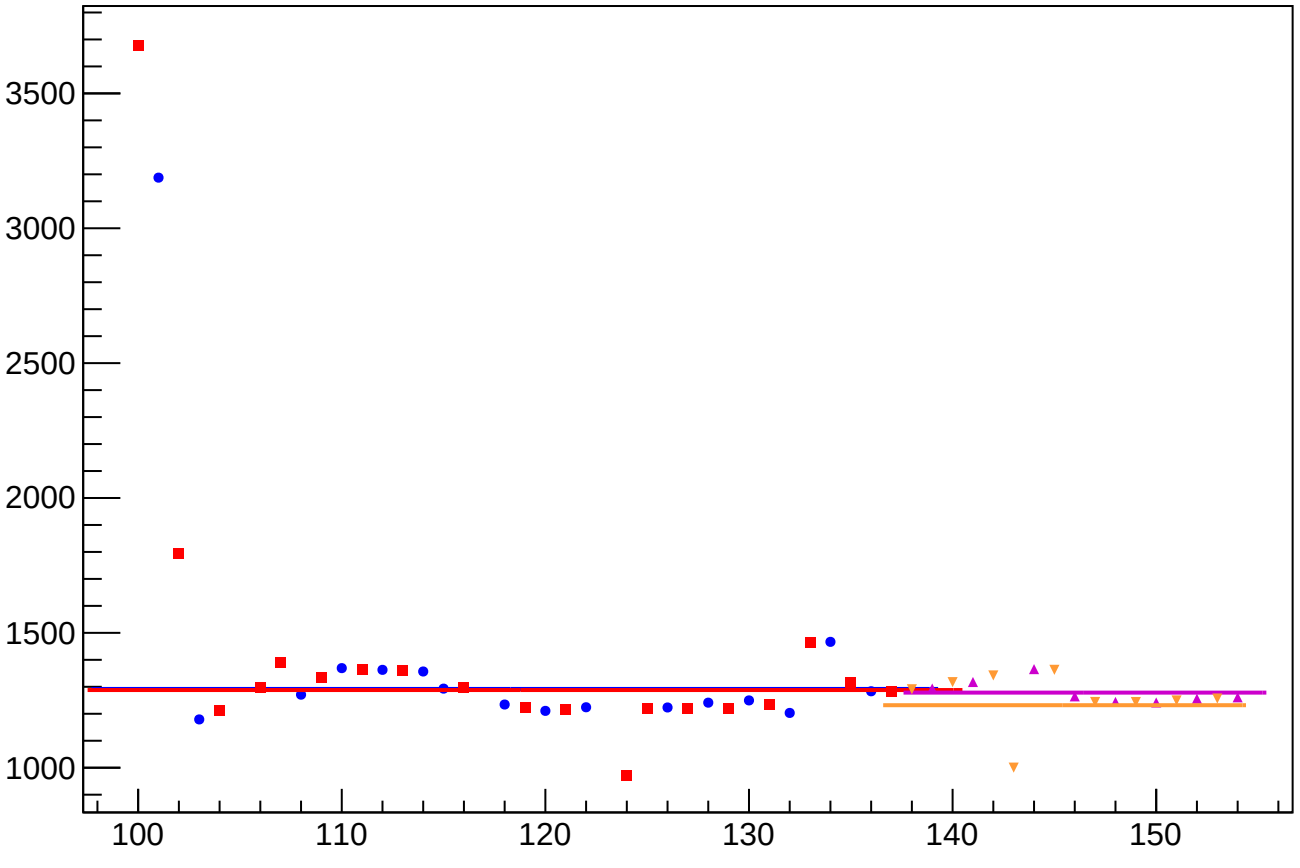
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 352.315+/-0.073 χ^2/NDF:4894647.7/23

Out: 342.469+/-0.073 χ^2/NDF:6761149.9/27

All: 347.394+/-0.052 χ^2/NDF: 11664913.2/51


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
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: -631.318+/-482.717 χ²/NDF:11.3/7
Left: -182.006+/-335.518 χ²/NDF: 22.1/16
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -700.417+/-343.741 χ²/NDF:24.9/23
Out: -27.502+/-335.493 χ²/NDF:27.7/27
All: -355.789+/-240.092 χ²/NDF: 54.6/51



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: 1278.445+/-0.341 χ^2/NDF:13106.8/7

Left: 1254.321+/-0.237 χ^2/NDF: 142838.0/16

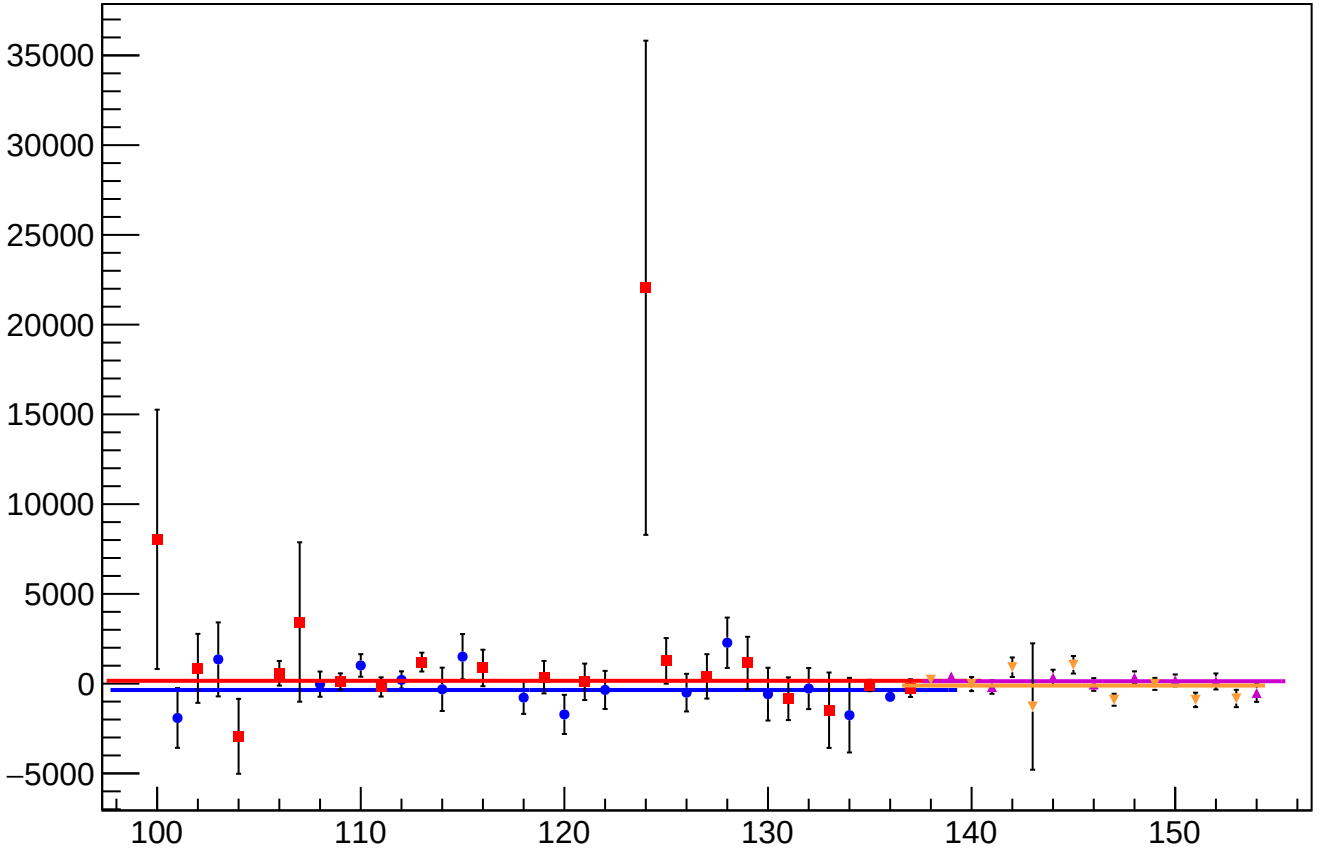
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1285.145+/-0.243 χ^2/NDF:523294.8/23

Out: 1258.936+/-0.237 χ^2/NDF:343298.7/27

All: 1271.722+/-0.170 χ^2/NDF: 872548.0/51

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -107.652+/-129.914 χ^2/NDF:22.9/8

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 134.735+/-129.694 χ^2/NDF:4.2/7

Left: 13.747+/-91.785 χ^2/NDF: 28.8/16

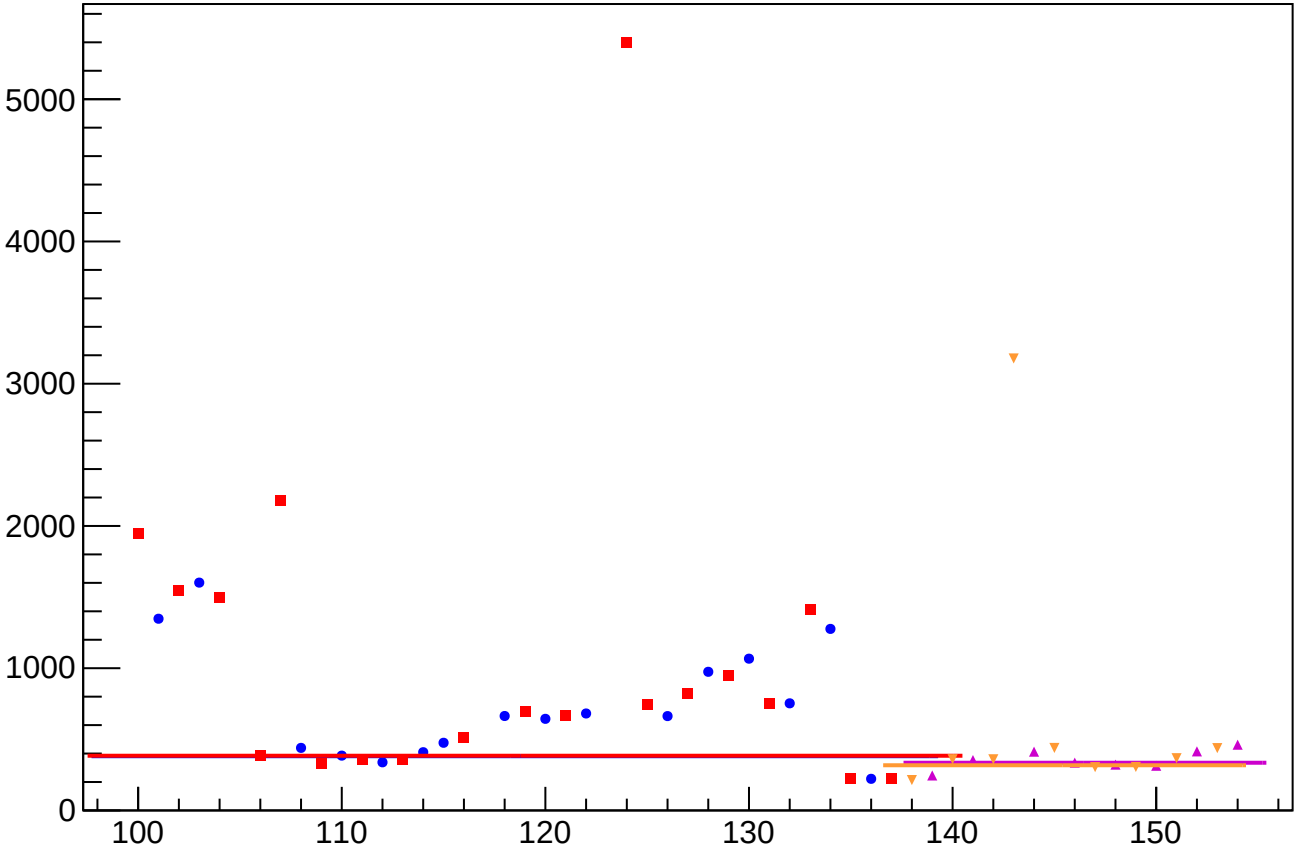
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -45.556+/-103.107 χ^2/NDF:27.9/23

Out: -9.493+/-103.149 χ^2/NDF:40.2/27

All: -27.532+/-72.922 χ^2/NDF: 68.2/51

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: 335.415+/-0.092 χ^2/NDF:484305.4/7

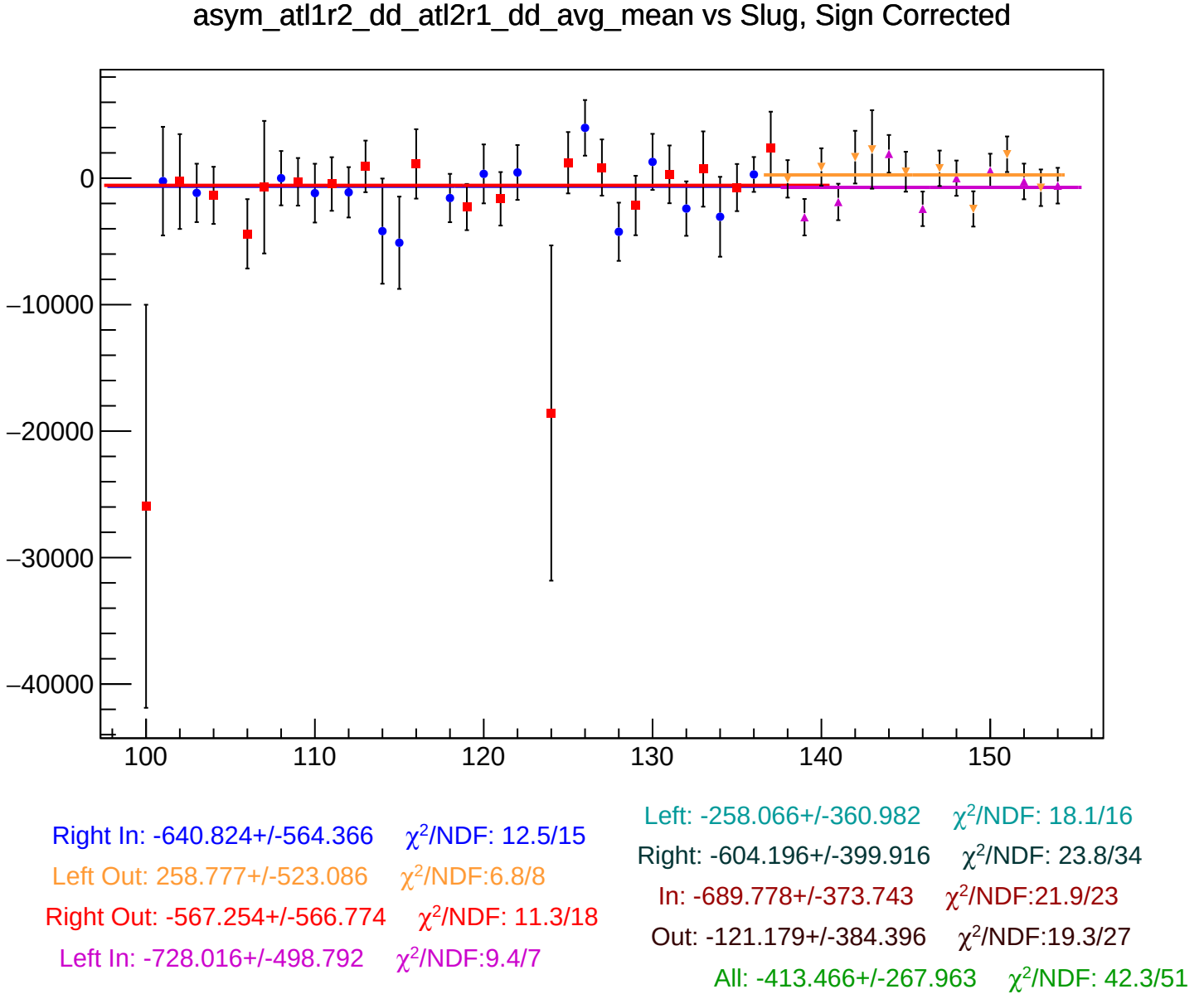
Left: 326.595+/-0.065 χ^2/NDF: 2507547.3/16

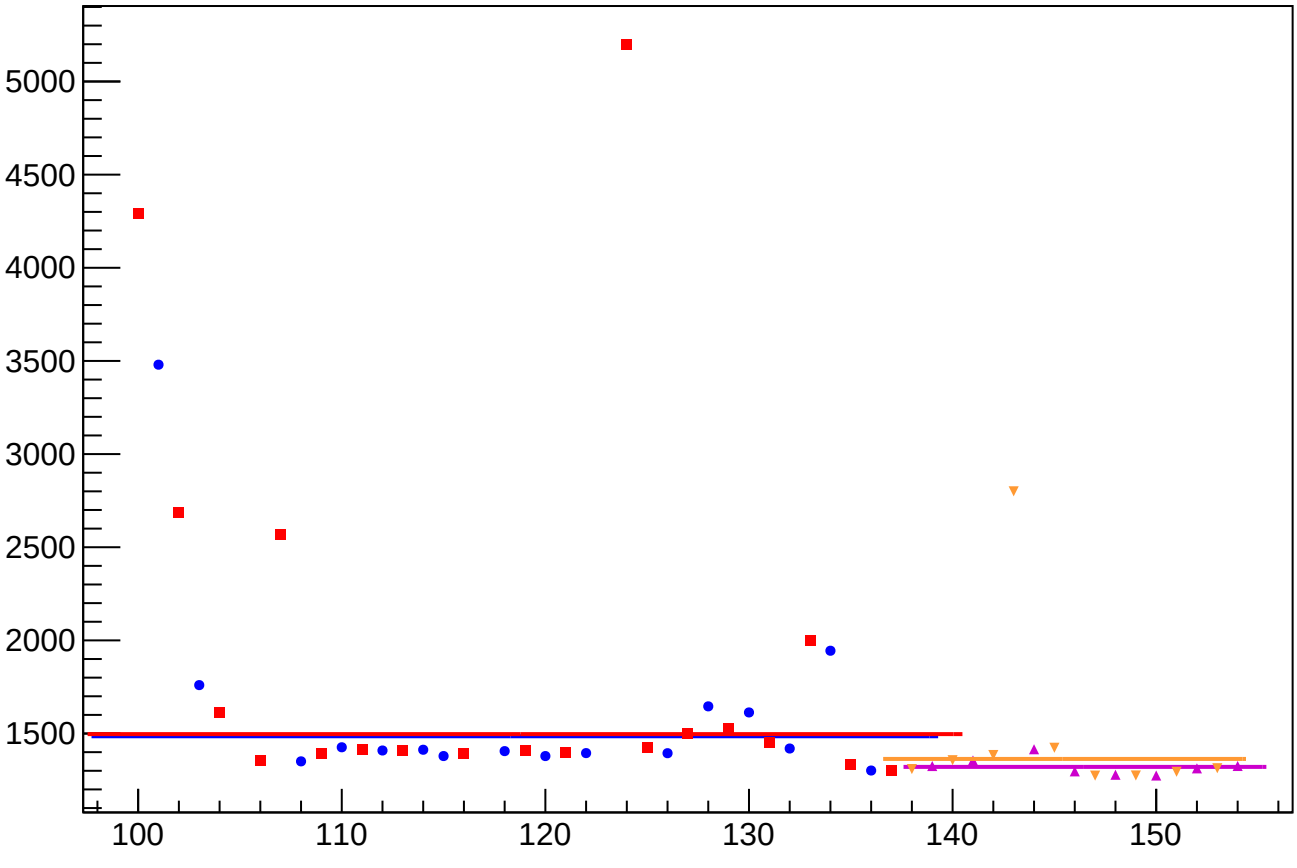
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 352.321+/-0.073 χ^2/NDF:4894396.7/23

Out: 342.476+/-0.073 χ^2/NDF:6760879.2/27

All: 347.401+/-0.052 χ^2/NDF: 11664389.7/51


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: -728.016+/-498.792 χ²/NDF:9.4/7
Left: -258.066+/-360.982 χ²/NDF: 18.1/16
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -689.778+/-373.743 χ²/NDF:21.9/23
Out: -121.179+/-384.396 χ²/NDF:19.3/27
All: -413.466+/-267.963 χ²/NDF: 42.3/51



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: 1320.924+/-0.353 χ^2/NDF:14124.2/7

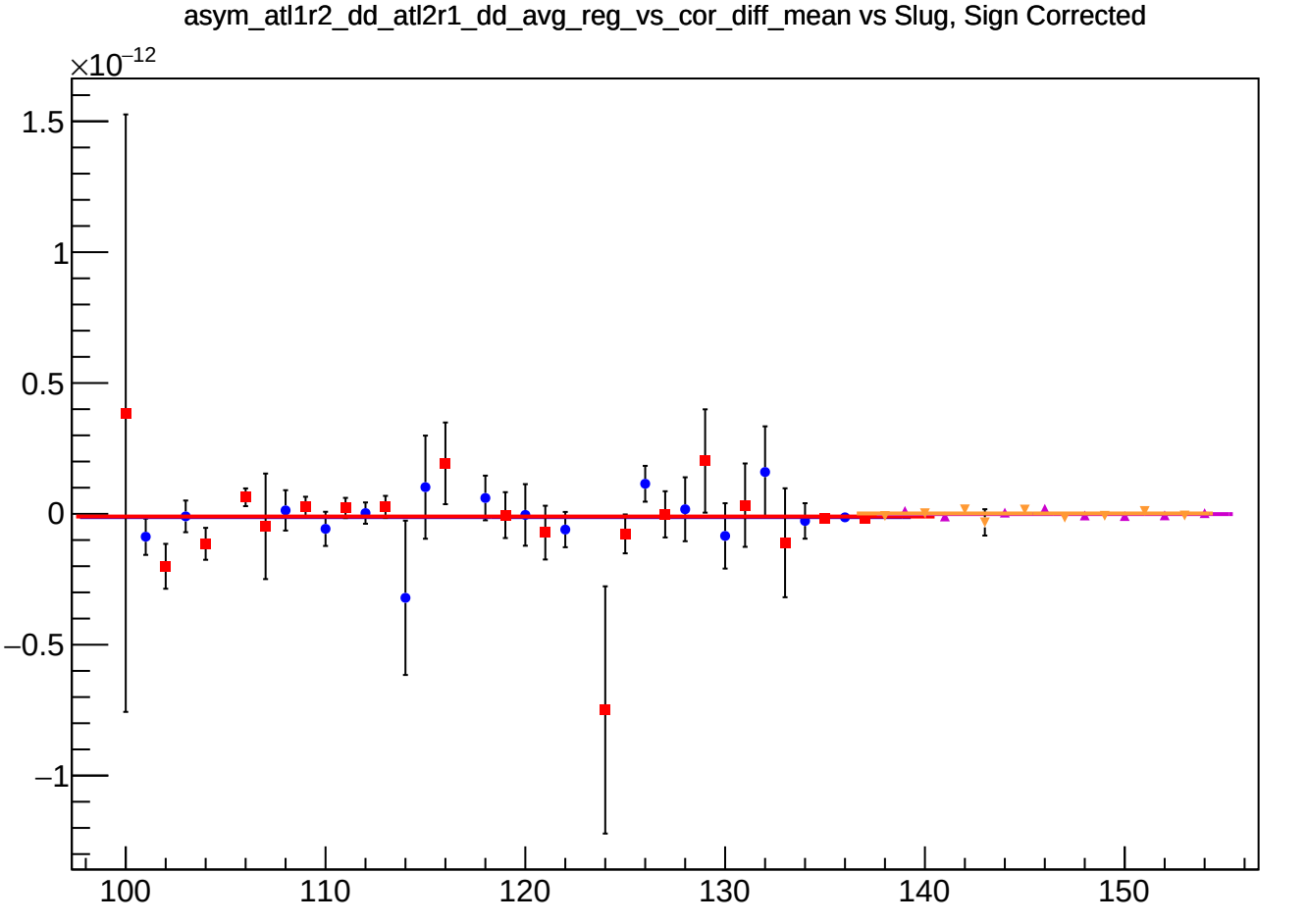
Left: 1341.285+/-0.255 χ^2/NDF: 478955.4/16

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1393.043+/-0.264 χ^2/NDF:693931.3/23

Out: 1424.941+/-0.272 χ^2/NDF:1140769.4/27

All: 1408.544+/-0.189 χ^2/NDF: 1841780.1/51



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:9.0/7

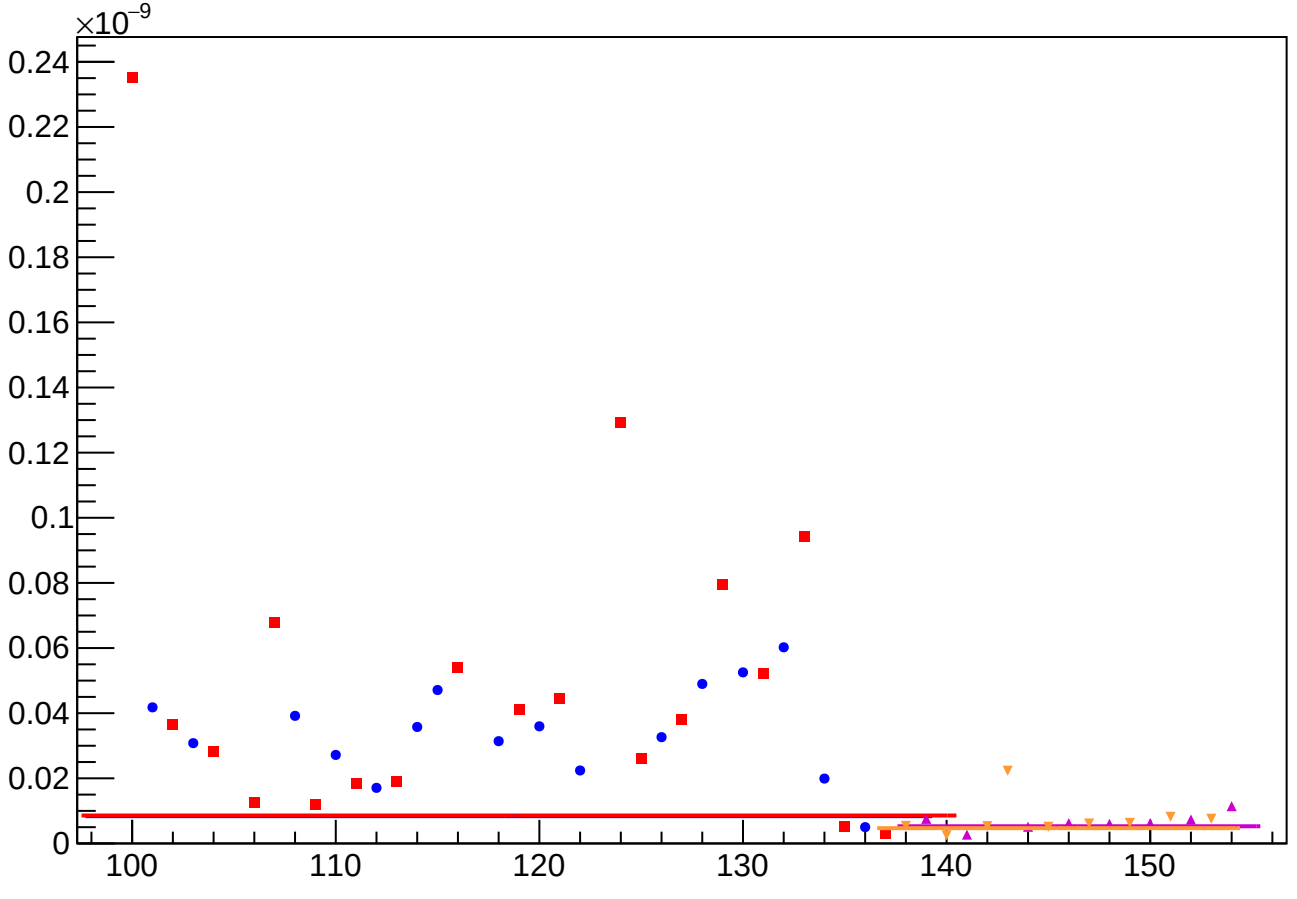
Left: 0.000+/-0.000 χ^2/NDF: 19.6/16

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.4/23

Out: 0.000+/-0.000 χ^2/NDF:34.4/27

All: -0.000+/-0.000 χ^2/NDF: 55.3/51



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:810675.9/7

Left: 0.000+/-0.000 χ^2/NDF: 1859636.0/16

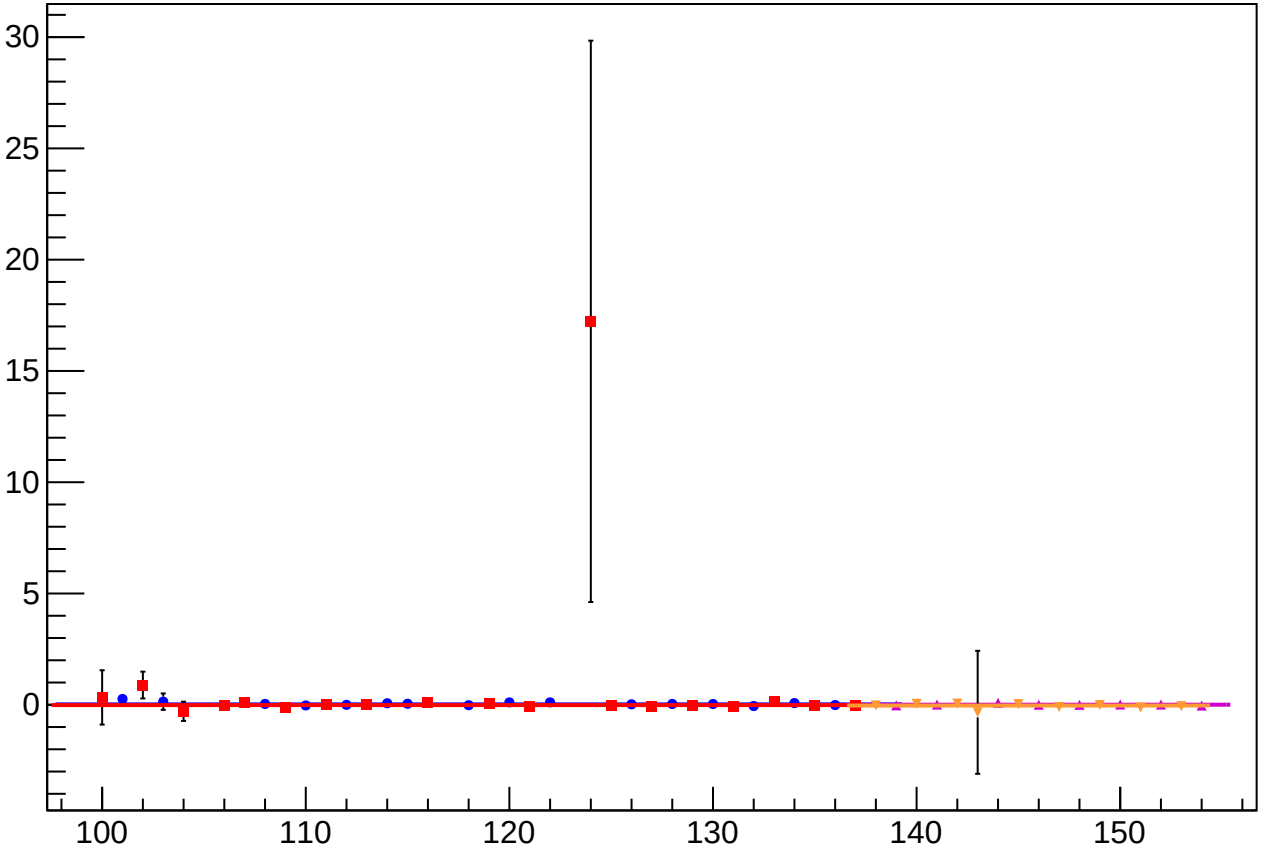
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4161024.4/23

Out: 0.000+/-0.000 χ^2/NDF:4773298.0/27

All: 0.000+/-0.000 χ^2/NDF: 8975770.9/51

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: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.015+/-0.010 χ^2/NDF: 22.8/16

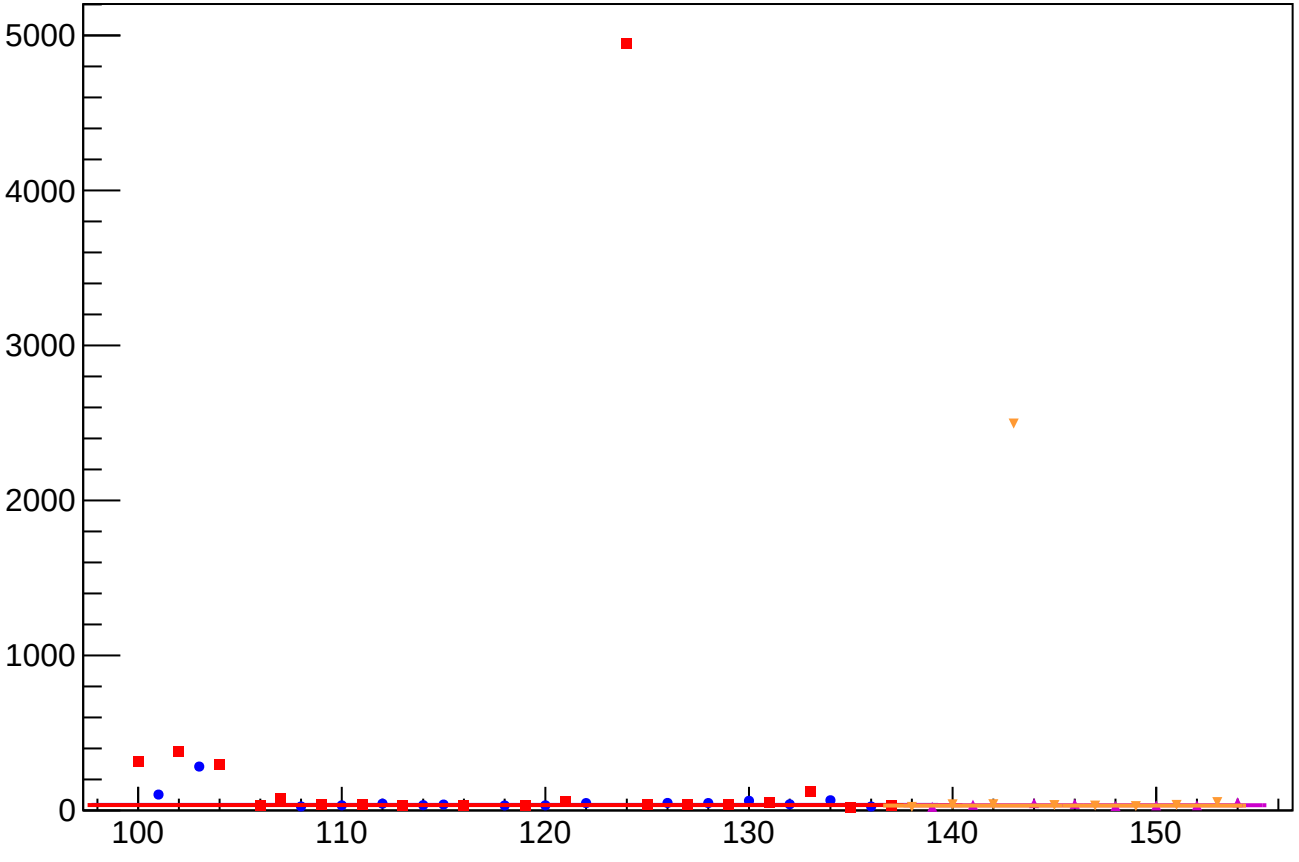
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.008+/-0.007 χ^2/NDF: 53.5/51

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: 33.711+/-0.010 χ^2/NDF:717419.2/7

Left: 32.628+/-0.007 χ^2/NDF: 2955635.7/16

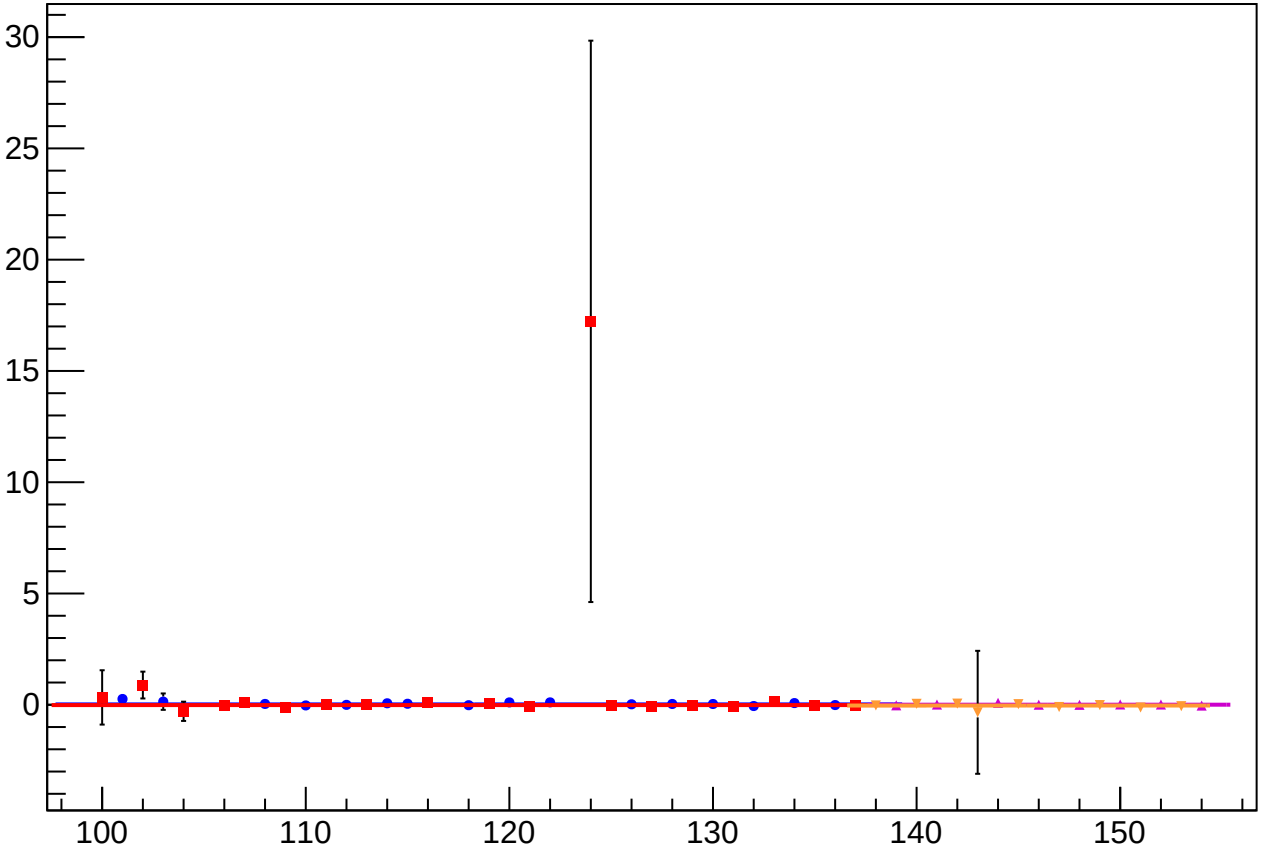
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.634+/-0.007 χ^2/NDF:3001059.3/23

Out: 33.001+/-0.007 χ^2/NDF:5176533.6/27

All: 33.818+/-0.005 χ^2/NDF: 8202168.2/51

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: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.015+/-0.010 χ^2/NDF: 22.8/16

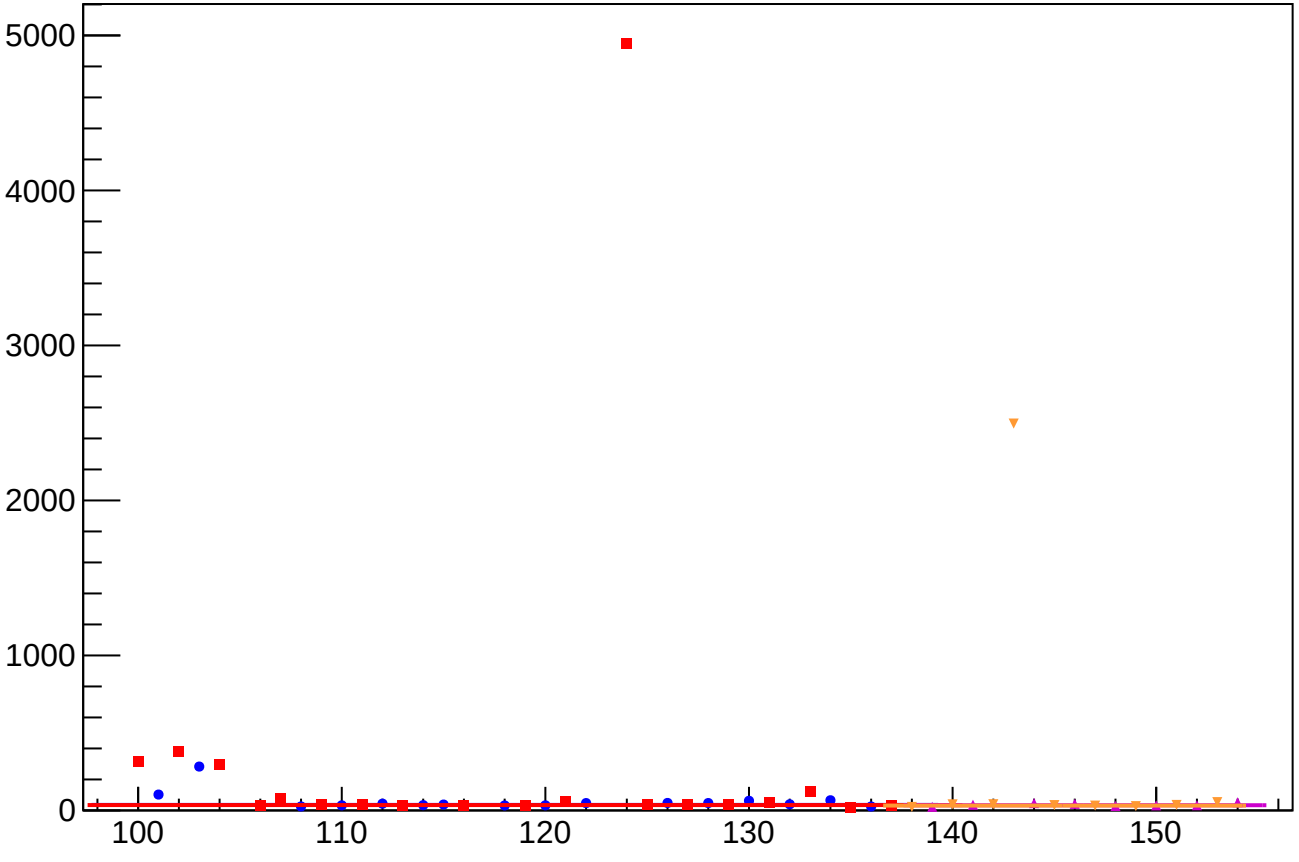
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.008+/-0.007 χ^2/NDF: 53.5/51

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: 33.711+/-0.010 χ^2/NDF:717419.2/7

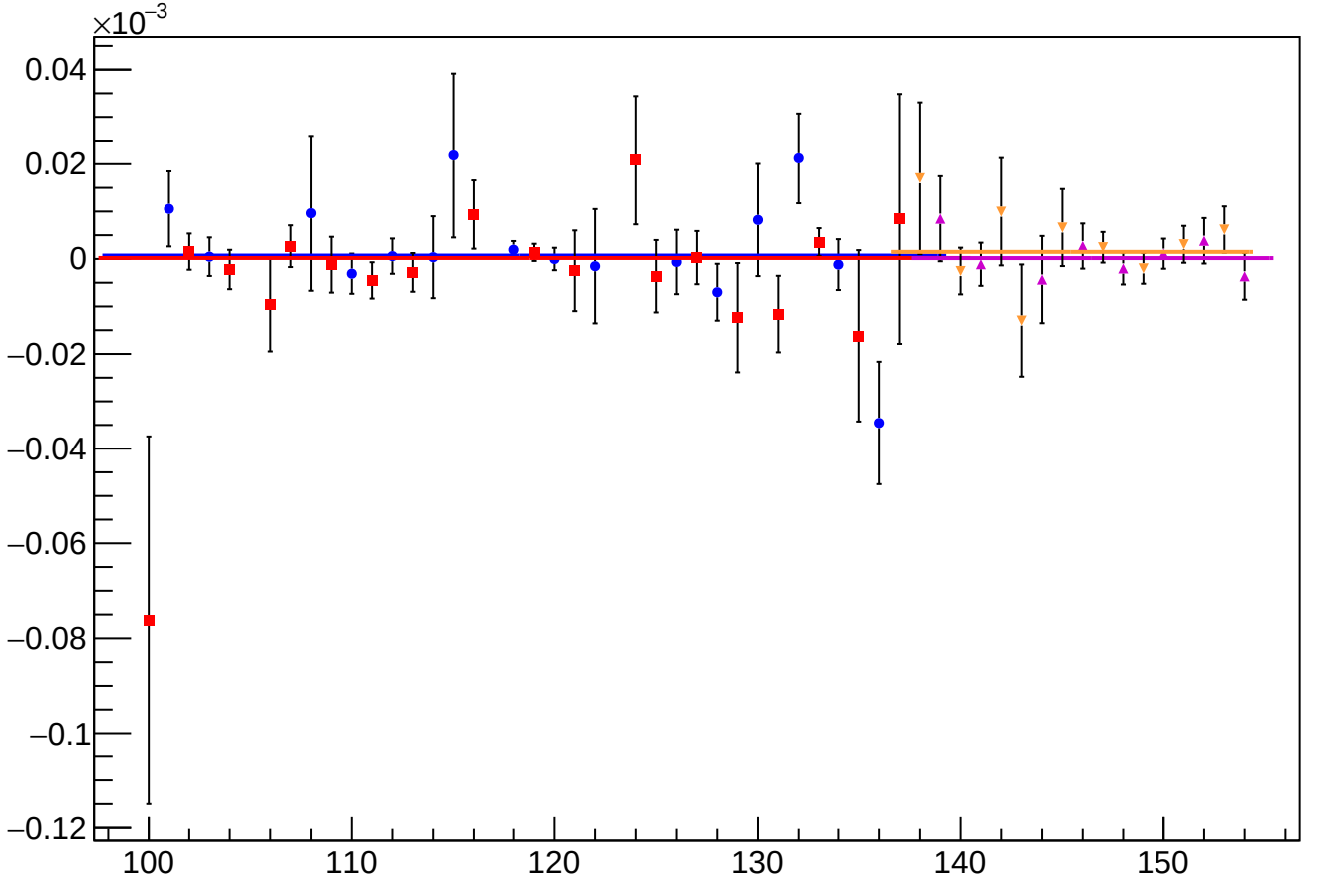
Left: 32.628+/-0.007 χ^2/NDF: 2955635.7/16

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.634+/-0.007 χ^2/NDF:3001059.3/23

Out: 33.001+/-0.007 χ^2/NDF:5176533.6/27

All: 33.818+/-0.005 χ^2/NDF: 8202168.2/51



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:3.2/7

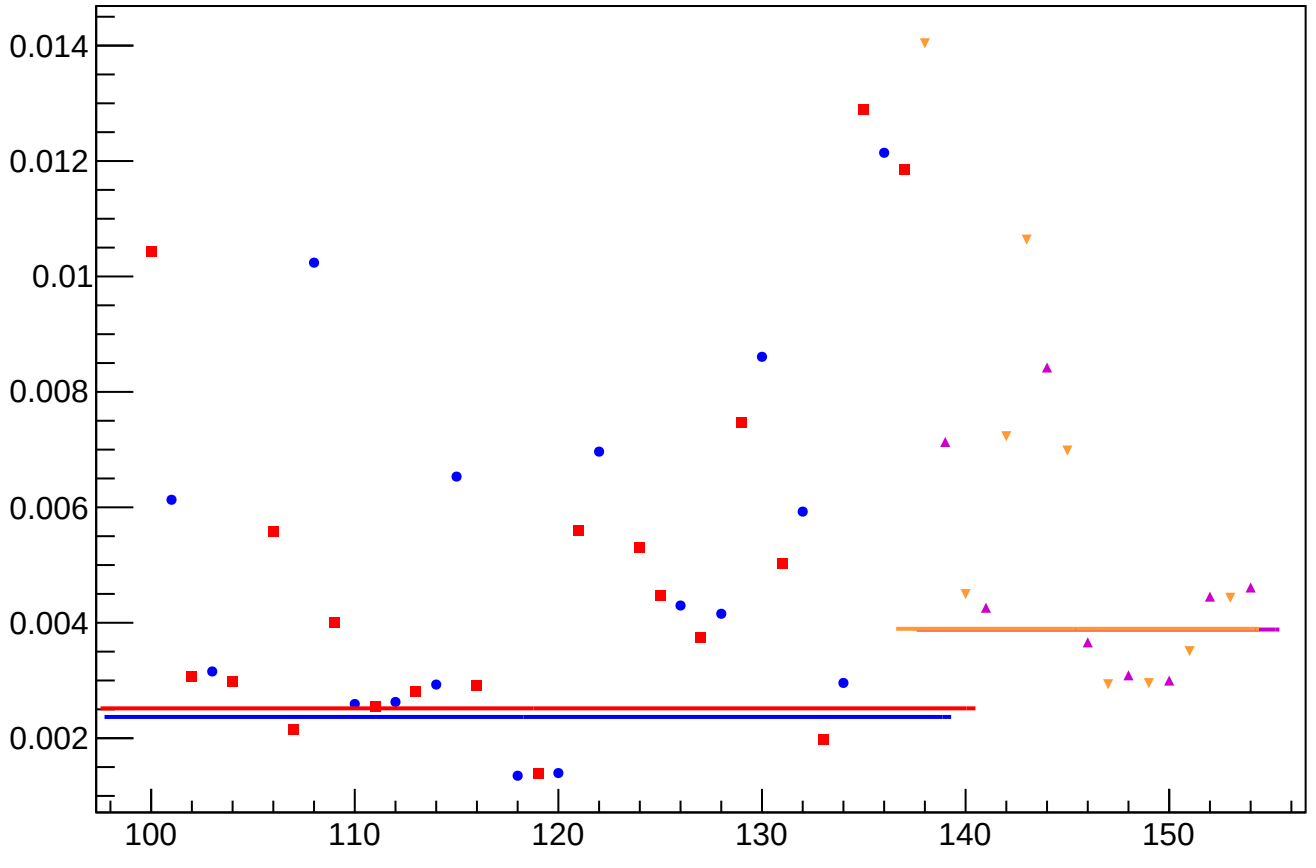
Left: 0.000+/-0.000 χ^2/NDF: 9.9/16

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:24.9/27

All: 0.000+/-0.000 χ^2/NDF: 47.3/51



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:1107084.4/7

Left: 0.004+/-0.000 χ^2/NDF: 3442854.1/16

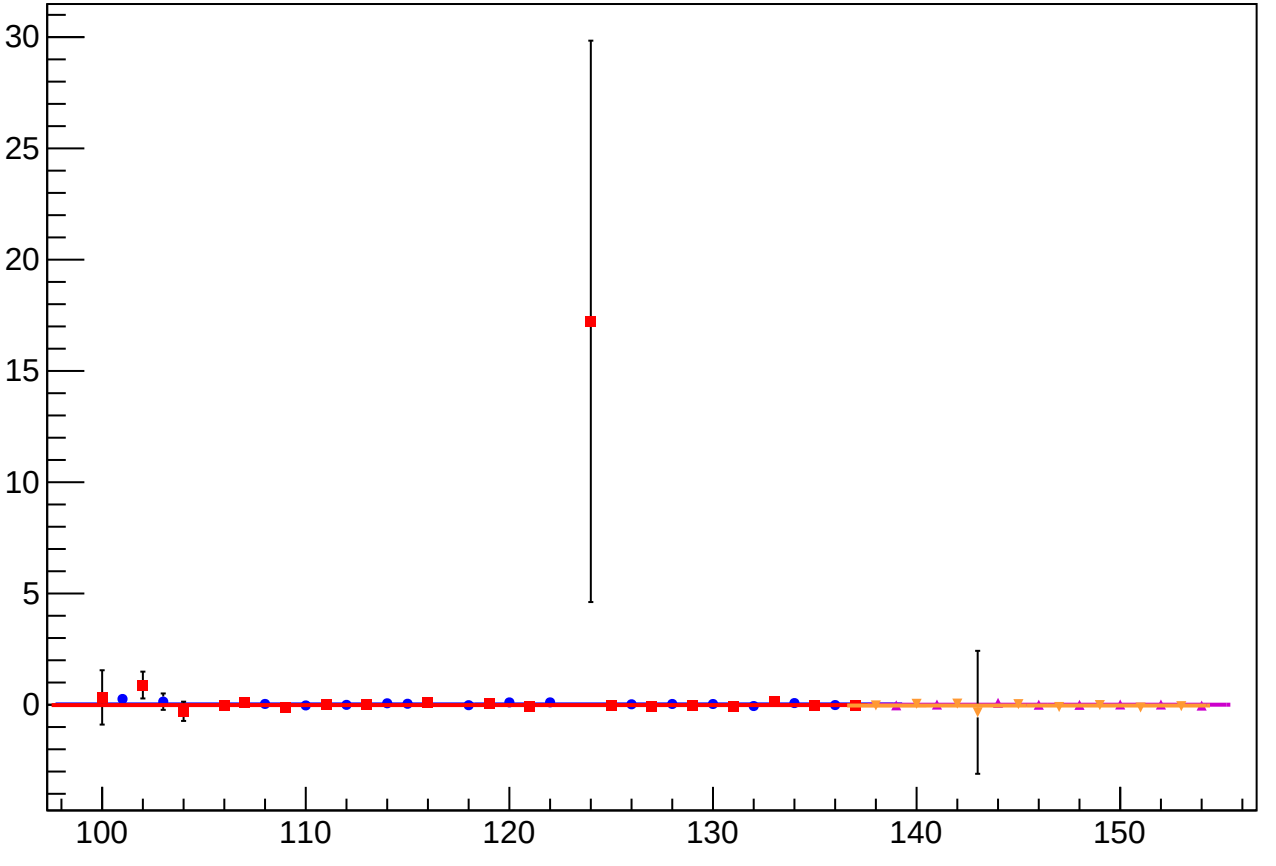
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:7037580.4/23

Out: 0.003+/-0.000 χ^2/NDF:6733200.0/27

All: 0.003+/-0.000 χ^2/NDF: 13777086.7/51

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: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.015+/-0.010 χ^2/NDF: 22.8/16

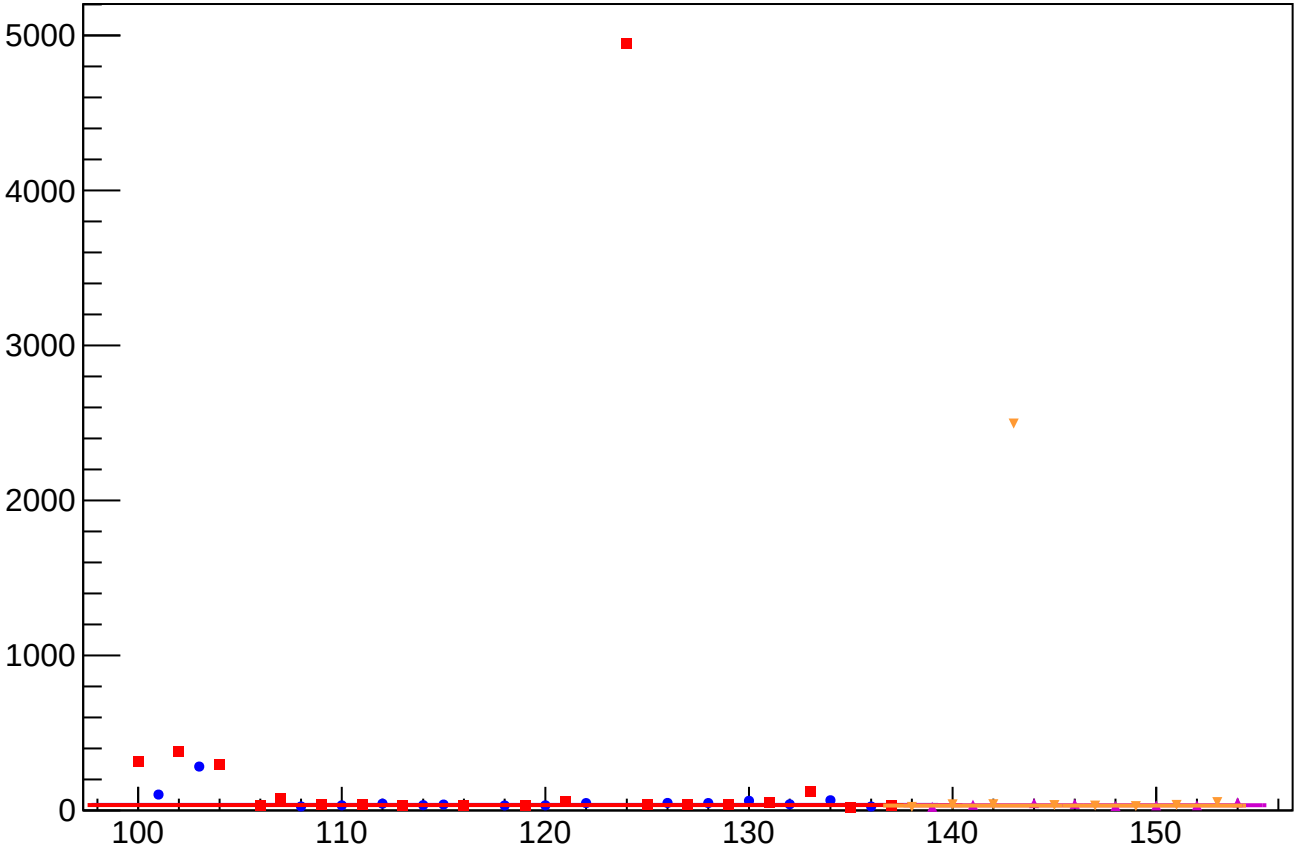
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.008+/-0.007 χ^2/NDF: 53.5/51

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: 33.709+/-0.010 χ^2/NDF:717819.4/7

Left: 32.627+/-0.007 χ^2/NDF: 2956250.8/16

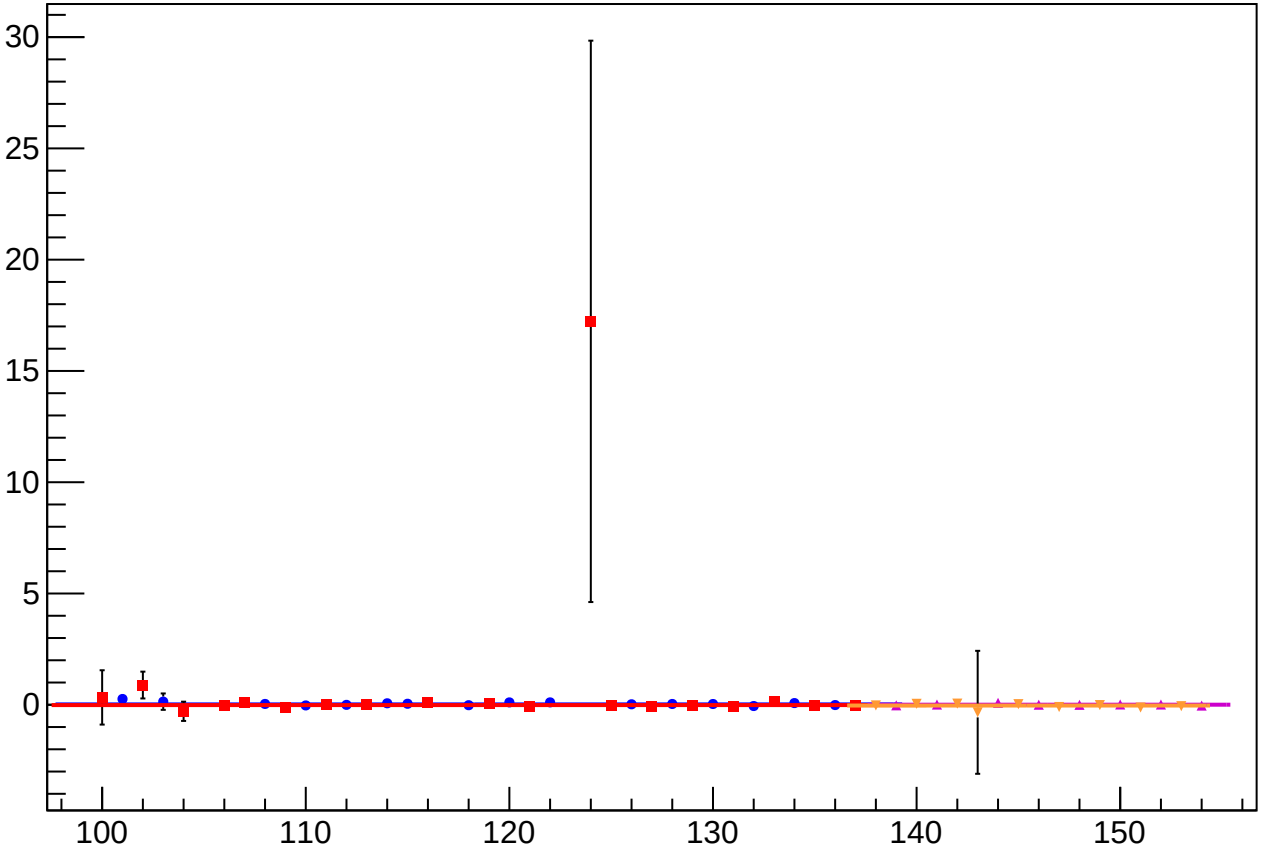
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.634+/-0.007 χ^2/NDF:3001249.9/23

Out: 33.002+/-0.007 χ^2/NDF:5176646.5/27

All: 33.818+/-0.005 χ^2/NDF: 8202447.0/51

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: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.015+/-0.010 χ^2/NDF: 22.8/16

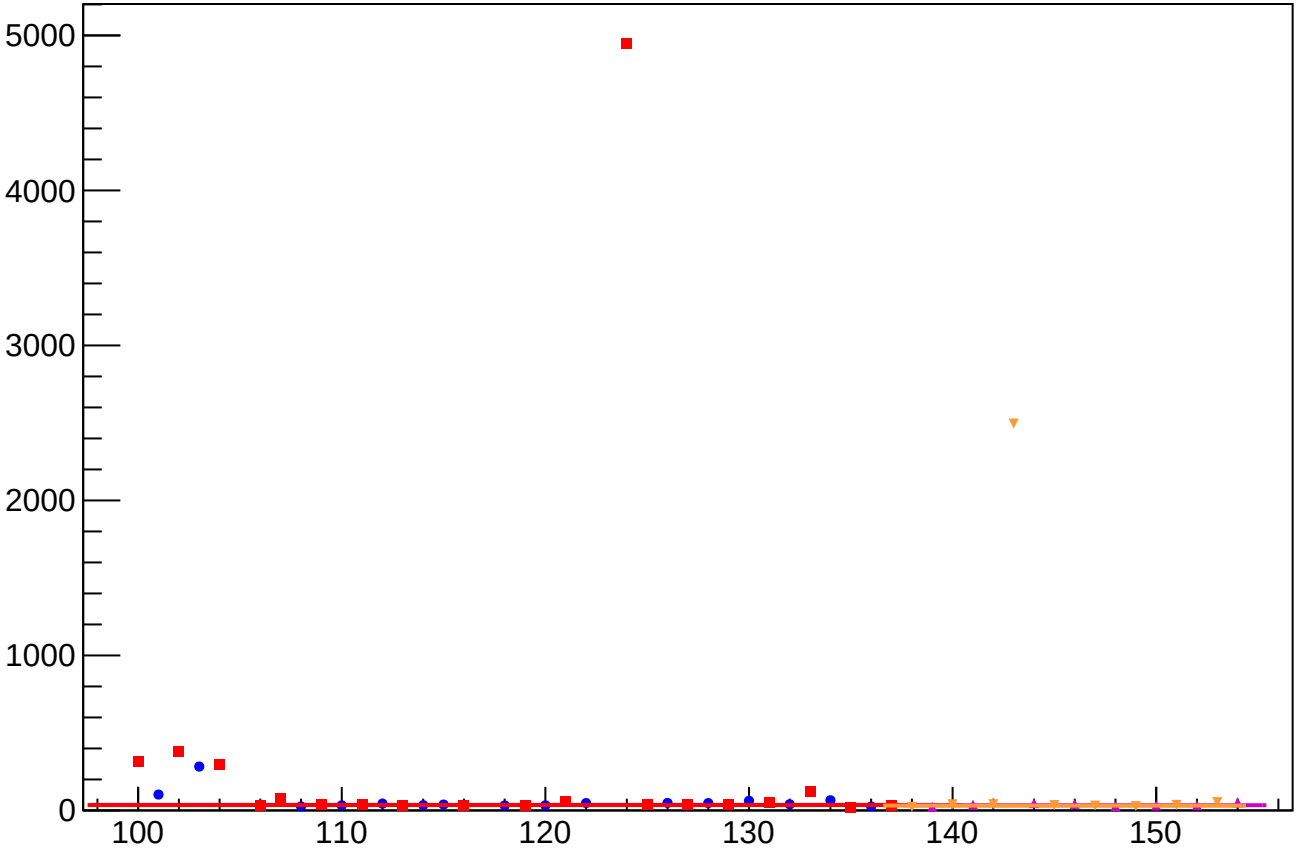
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.008+/-0.007 χ^2/NDF: 53.5/51

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: 33.709+/-0.010 χ^2/NDF:717819.4/7

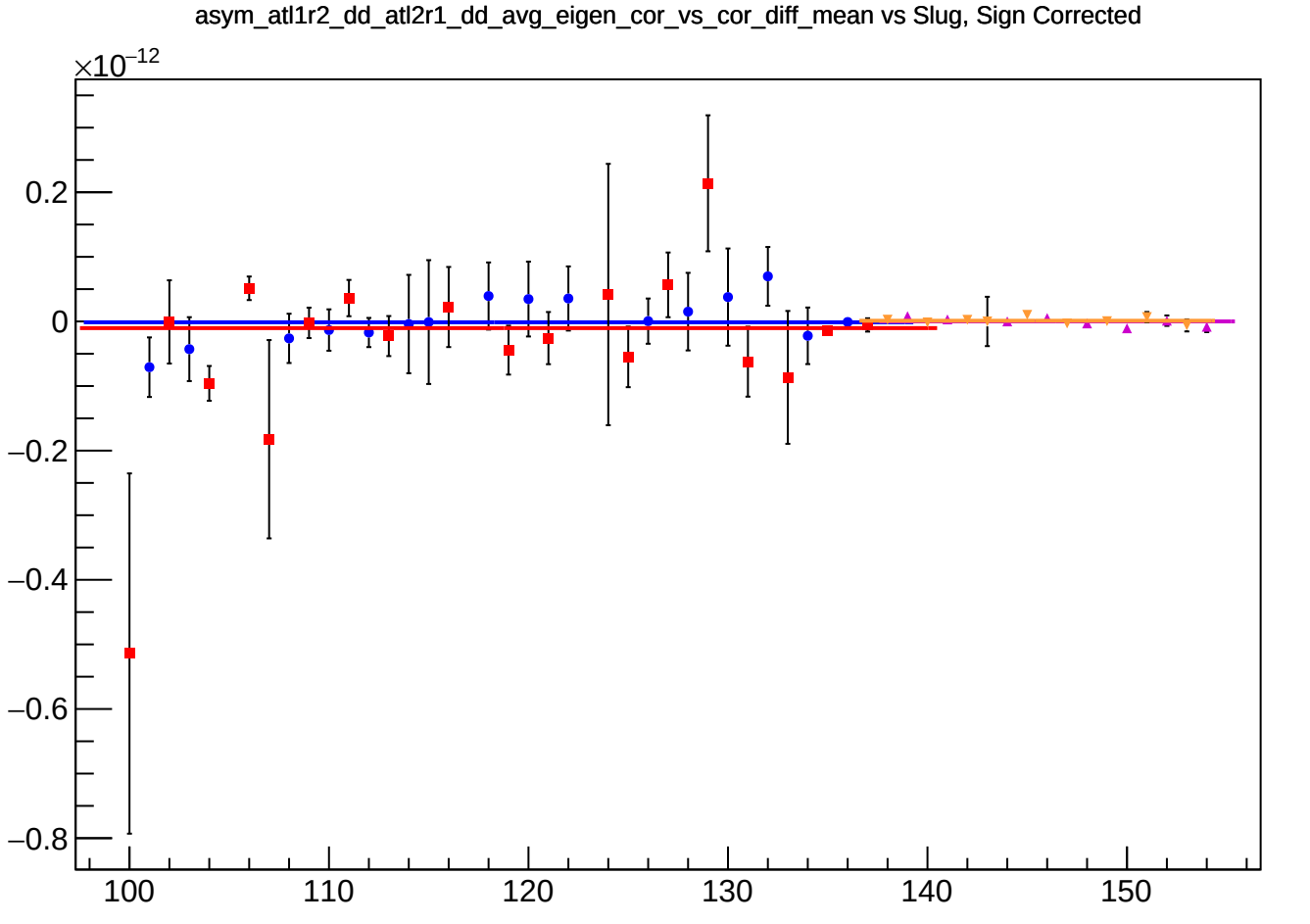
Left: 32.627+/-0.007 χ^2/NDF: 2956250.8/16

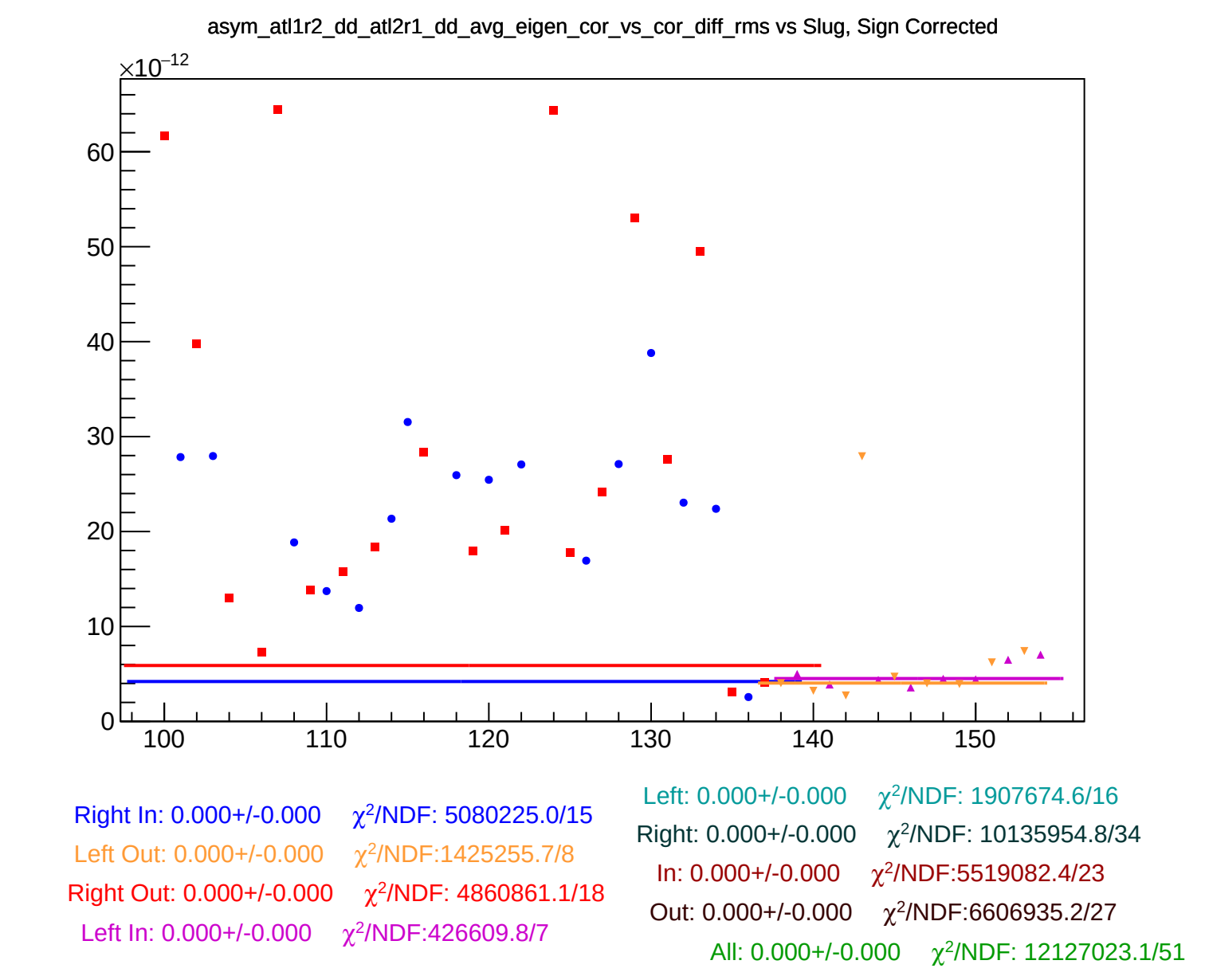
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

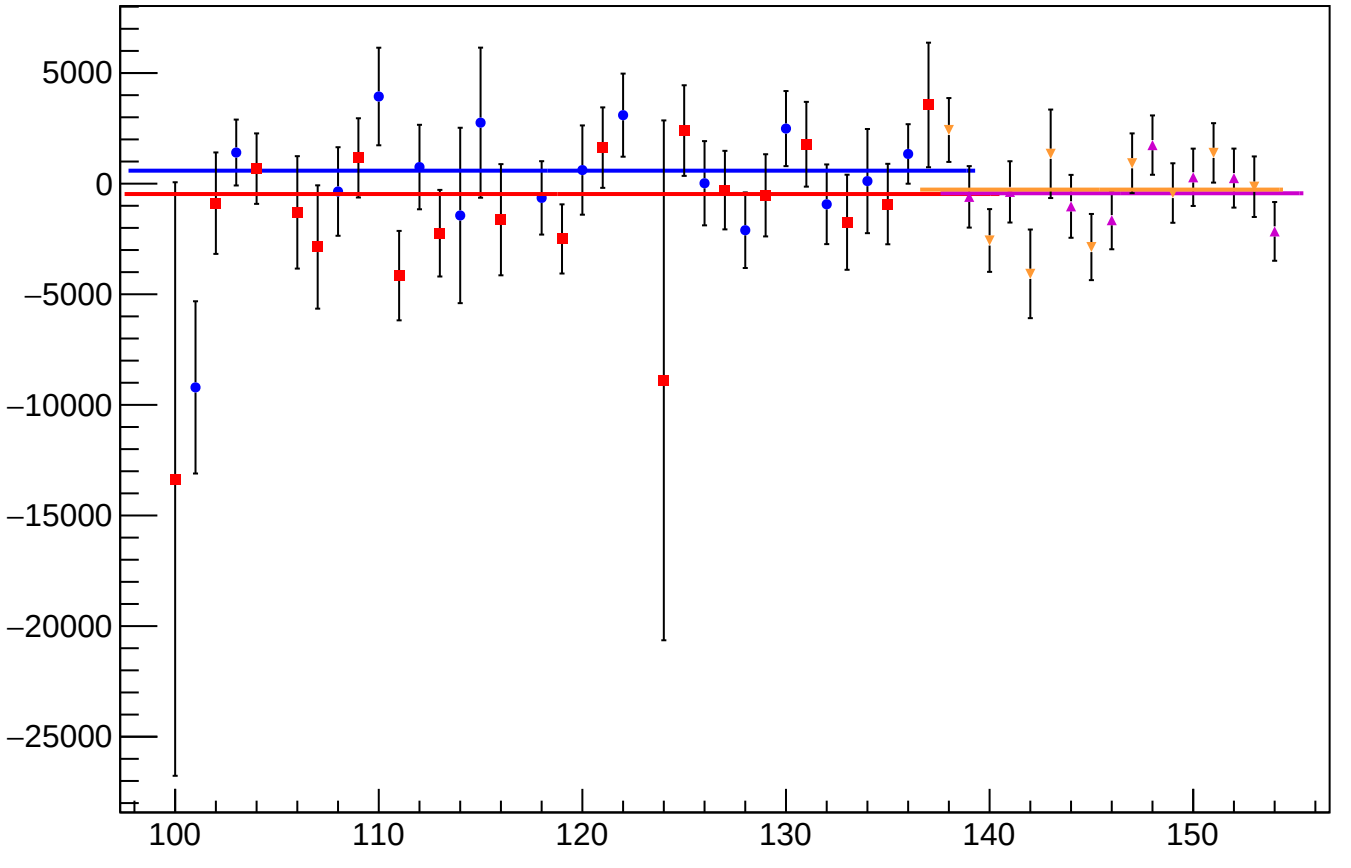
In: 34.634+/-0.007 χ^2/NDF:3001249.9/23

Out: 33.002+/-0.007 χ^2/NDF:5176646.5/27

All: 33.818+/-0.005 χ^2/NDF: 8202447.0/51


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:8.3/7
Left: 0.000+/-0.000 χ²/NDF: 12.8/16
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: -0.000+/-0.000 χ²/NDF:17.1/23
Out: -0.000+/-0.000 χ²/NDF:50.3/27
All: -0.000+/-0.000 χ²/NDF: 67.5/51


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:426609.8/7
Left: 0.000+/-0.000 χ²/NDF: 1907674.6/16
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5519082.4/23
Out: 0.000+/-0.000 χ²/NDF:6606935.2/27
All: 0.000+/-0.000 χ²/NDF: 12127023.1/51



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: -434.547+/-477.096 χ^2/NDF:5.9/7

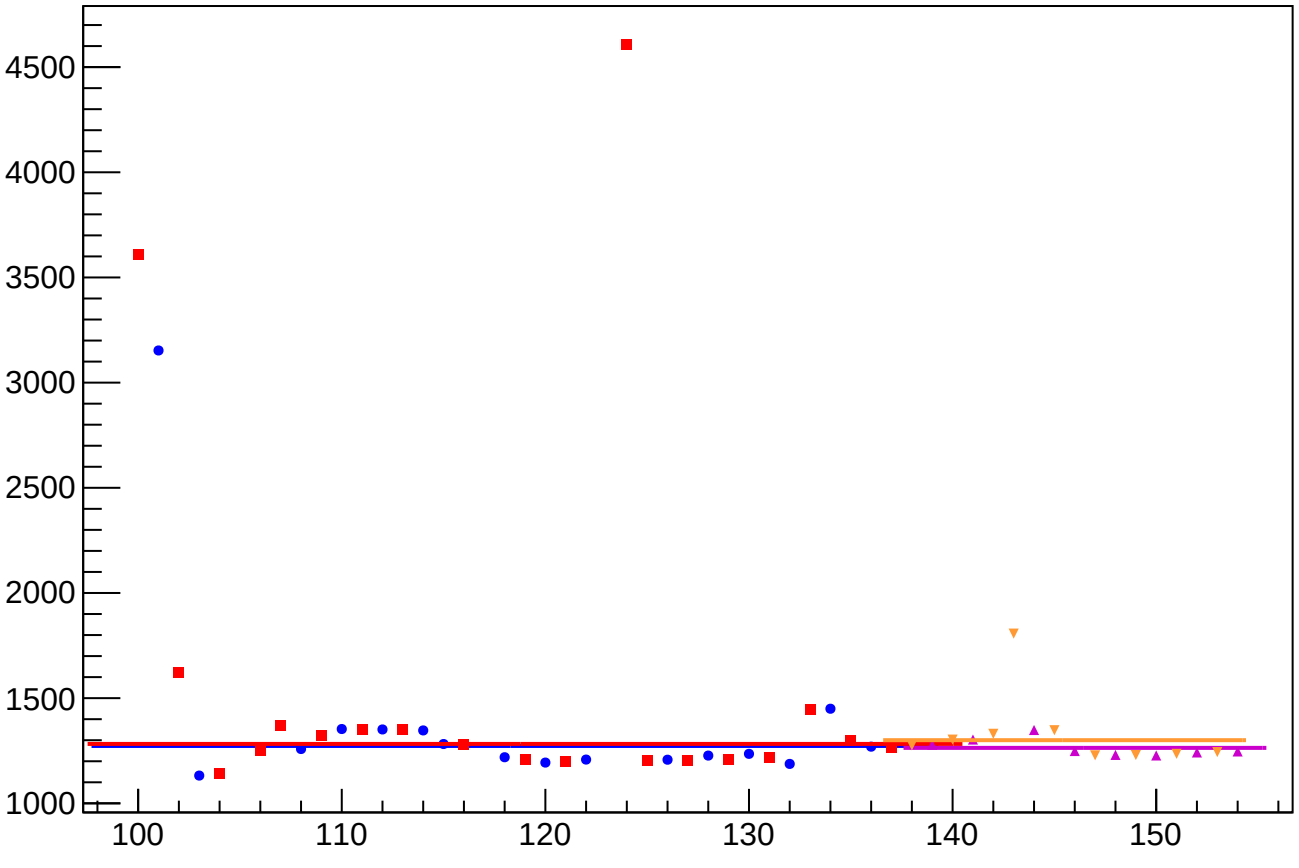
Left: -354.217+/-342.885 χ^2/NDF: 21.7/16

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 70.512+/-339.229 χ^2/NDF:25.3/23

Out: -371.304+/-344.147 χ^2/NDF:32.7/27

All: -147.216+/-241.591 χ^2/NDF: 58.8/51



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: 1263.597+/-0.337 χ^2/NDF:12938.6/7

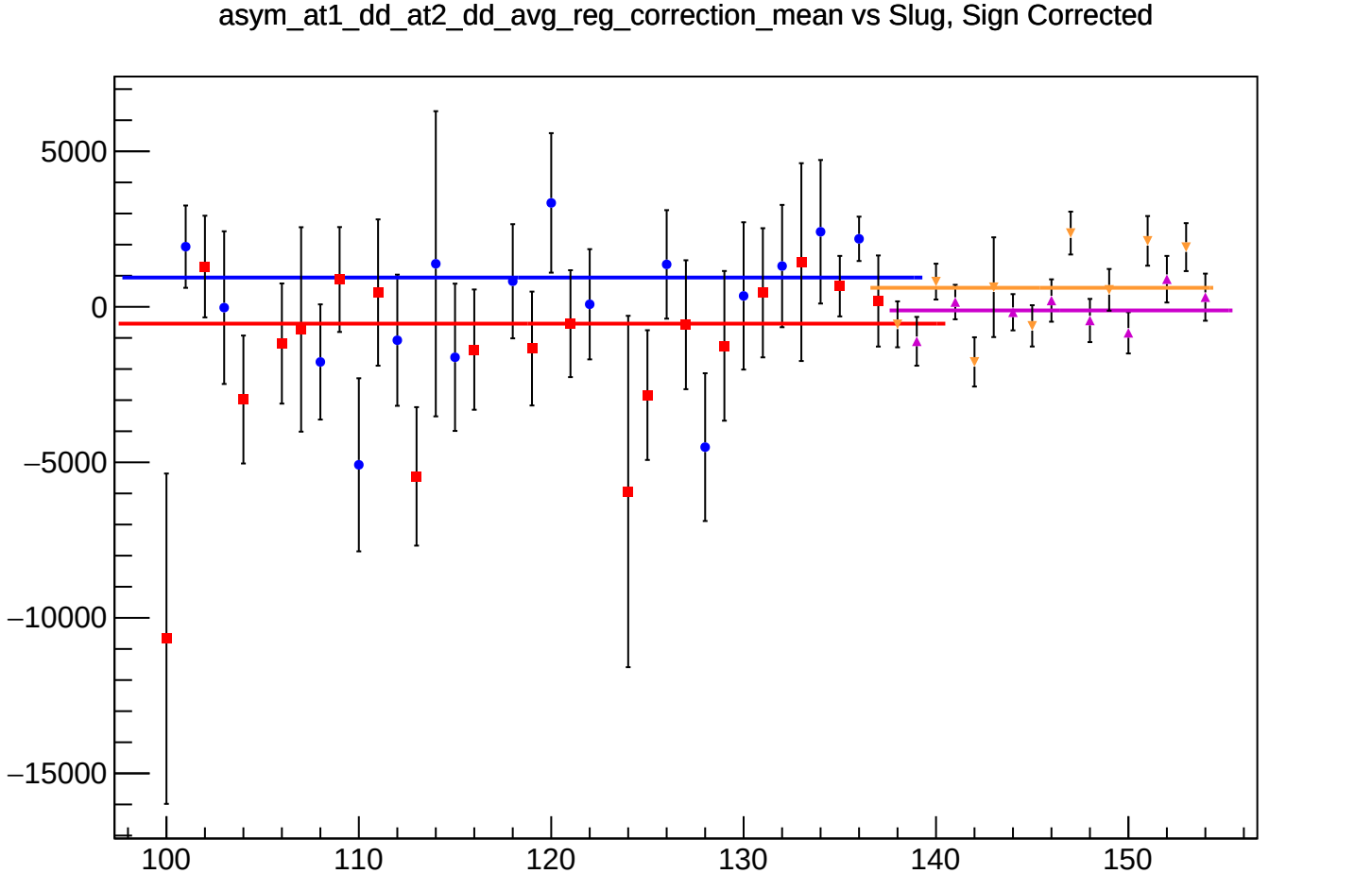
Left: 1281.292+/-0.242 χ^2/NDF: 169338.6/16

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1268.150+/-0.240 χ^2/NDF:532605.0/23

Out: 1291.050+/-0.243 χ^2/NDF:474129.7/27

All: 1279.435+/-0.171 χ^2/NDF: 1011226.2/51



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: -115.529+/-236.661 χ^2/NDF:5.6/7

Left: 235.802+/-170.175 χ^2/NDF: 38.2/16

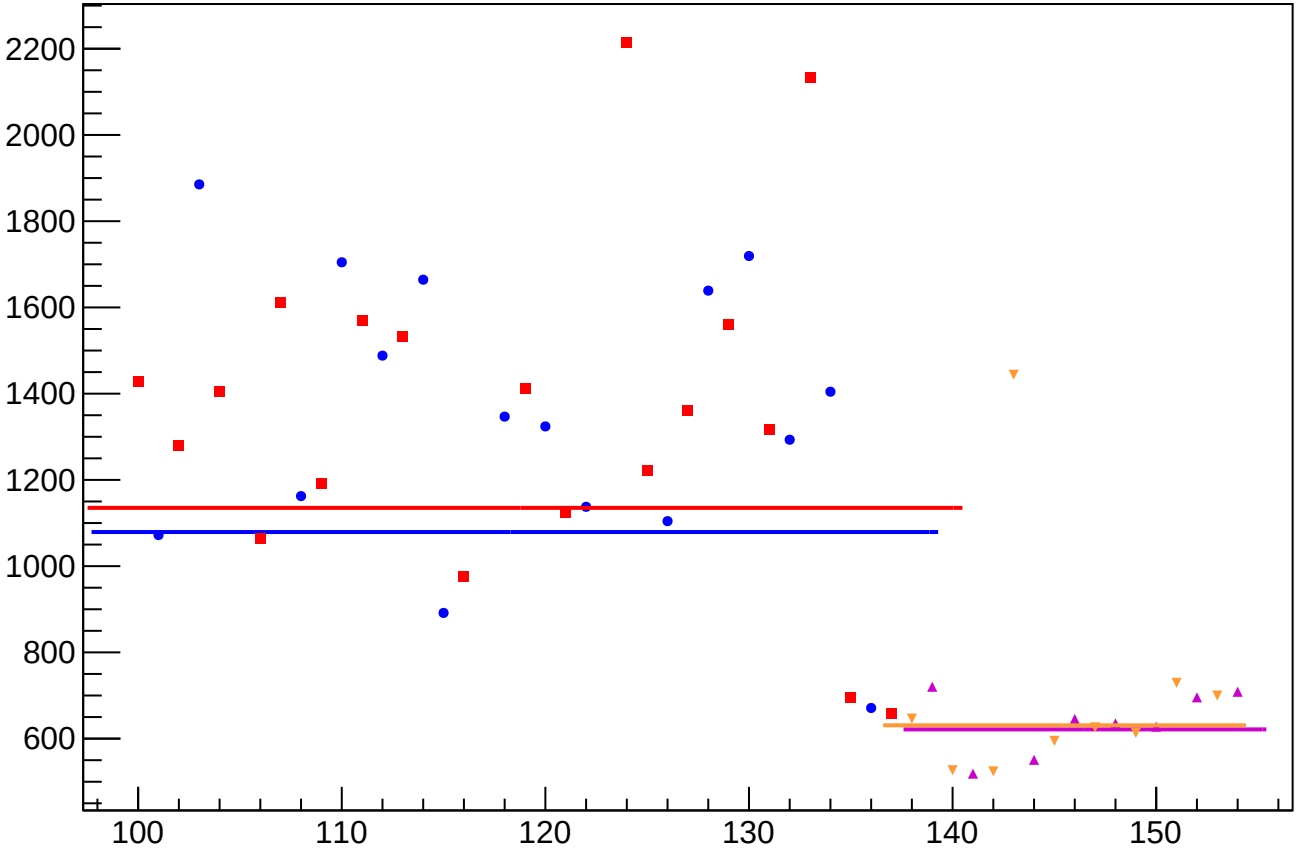
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 133.967+/-206.861 χ^2/NDF:30.2/23

Out: 339.295+/-213.961 χ^2/NDF:50.5/27

All: 233.168+/-148.720 χ^2/NDF: 81.2/51

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: 621.409+/-0.167 χ^2/NDF:179519.1/7

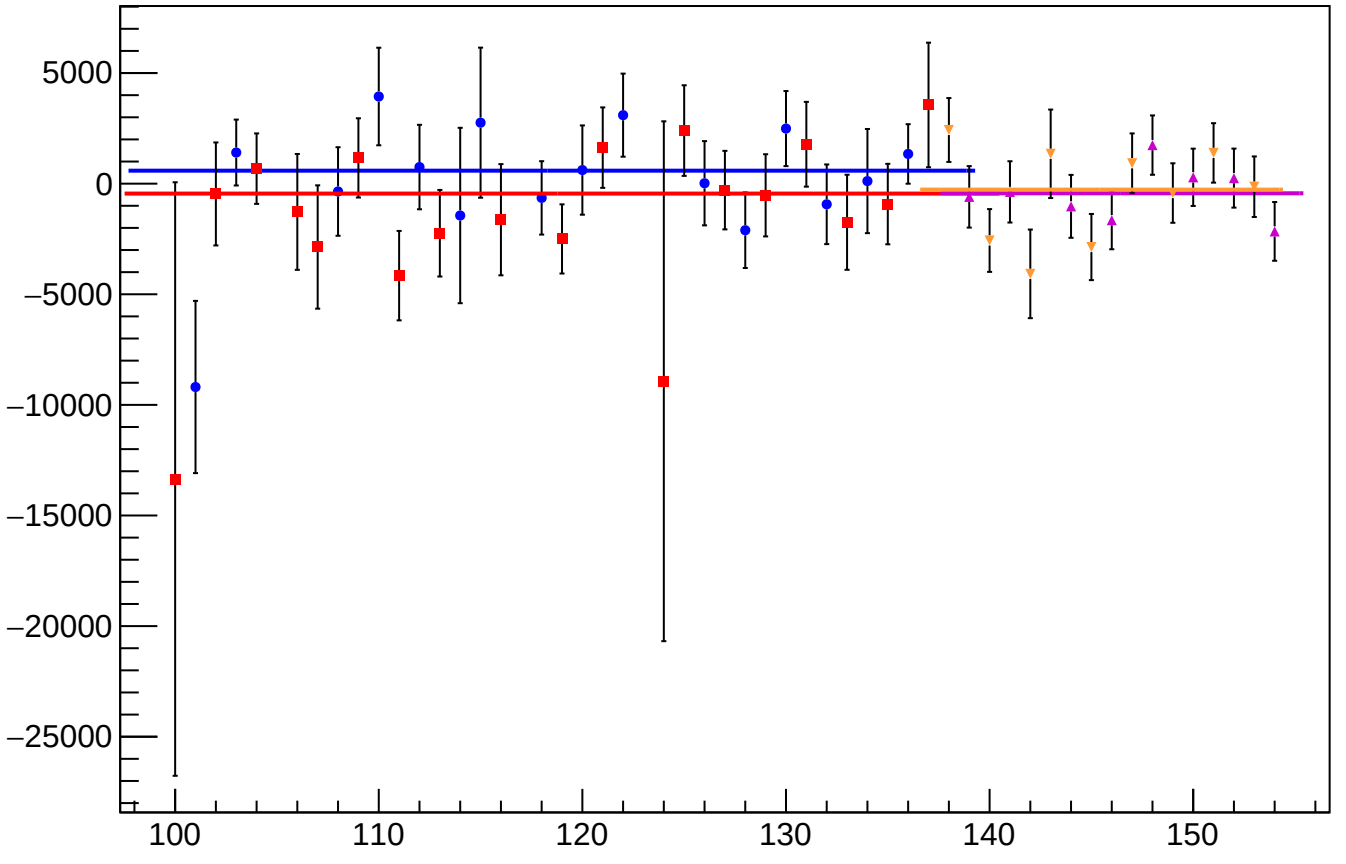
Left: 625.991+/-0.120 χ^2/NDF: 851740.7/16

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 729.418+/-0.146 χ^2/NDF:3427106.9/23

Out: 750.190+/-0.151 χ^2/NDF:3970060.7/27

All: 739.454+/-0.105 χ^2/NDF: 7406909.8/51



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: -434.553+/-477.096 χ^2/NDF:5.9/7

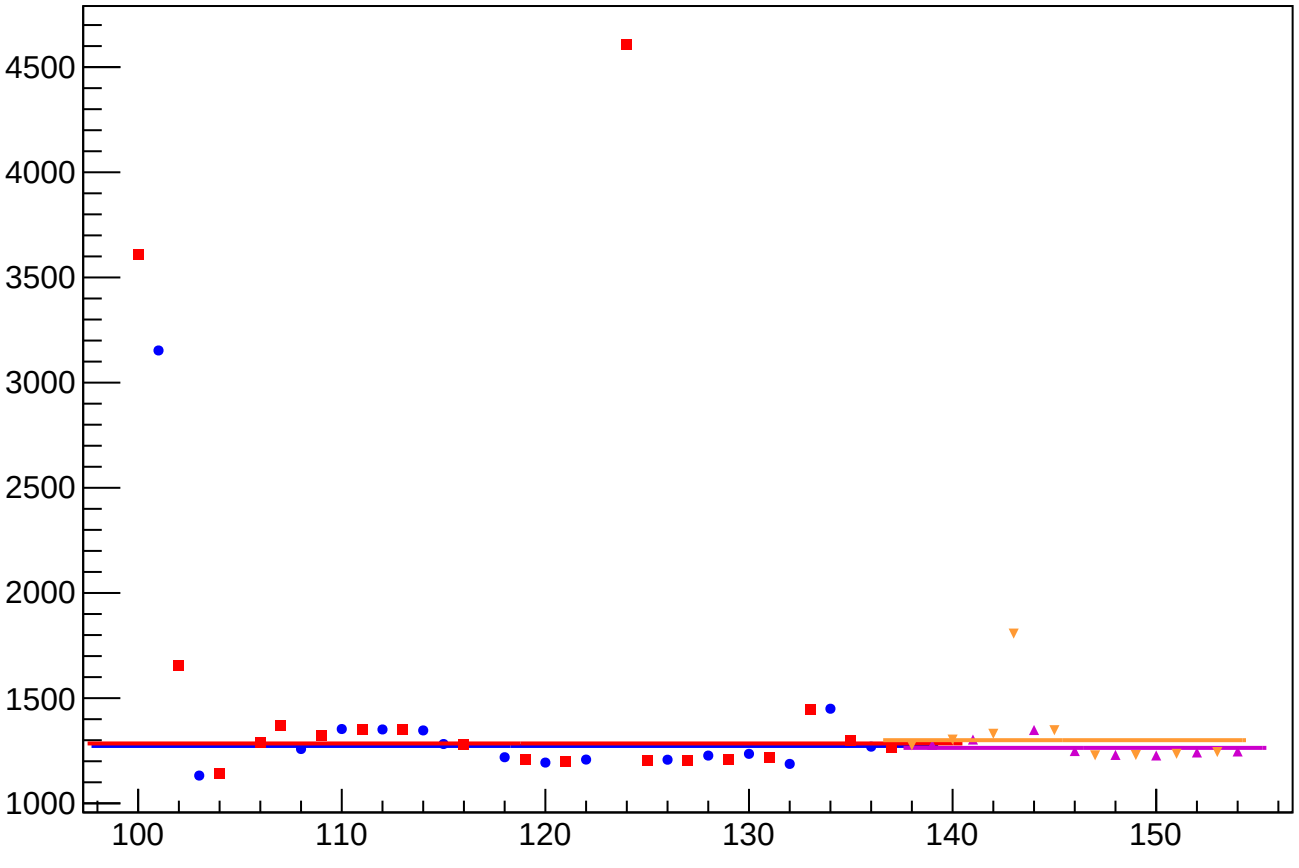
Left: -354.268+/-342.885 χ^2/NDF: 21.7/16

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 70.666+/-339.229 χ^2/NDF:25.3/23

Out: -360.632+/-344.447 χ^2/NDF:32.6/27

All: -141.691+/-241.695 χ^2/NDF: 58.7/51



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: 1263.597+/-0.337 χ^2/NDF:12938.6/7

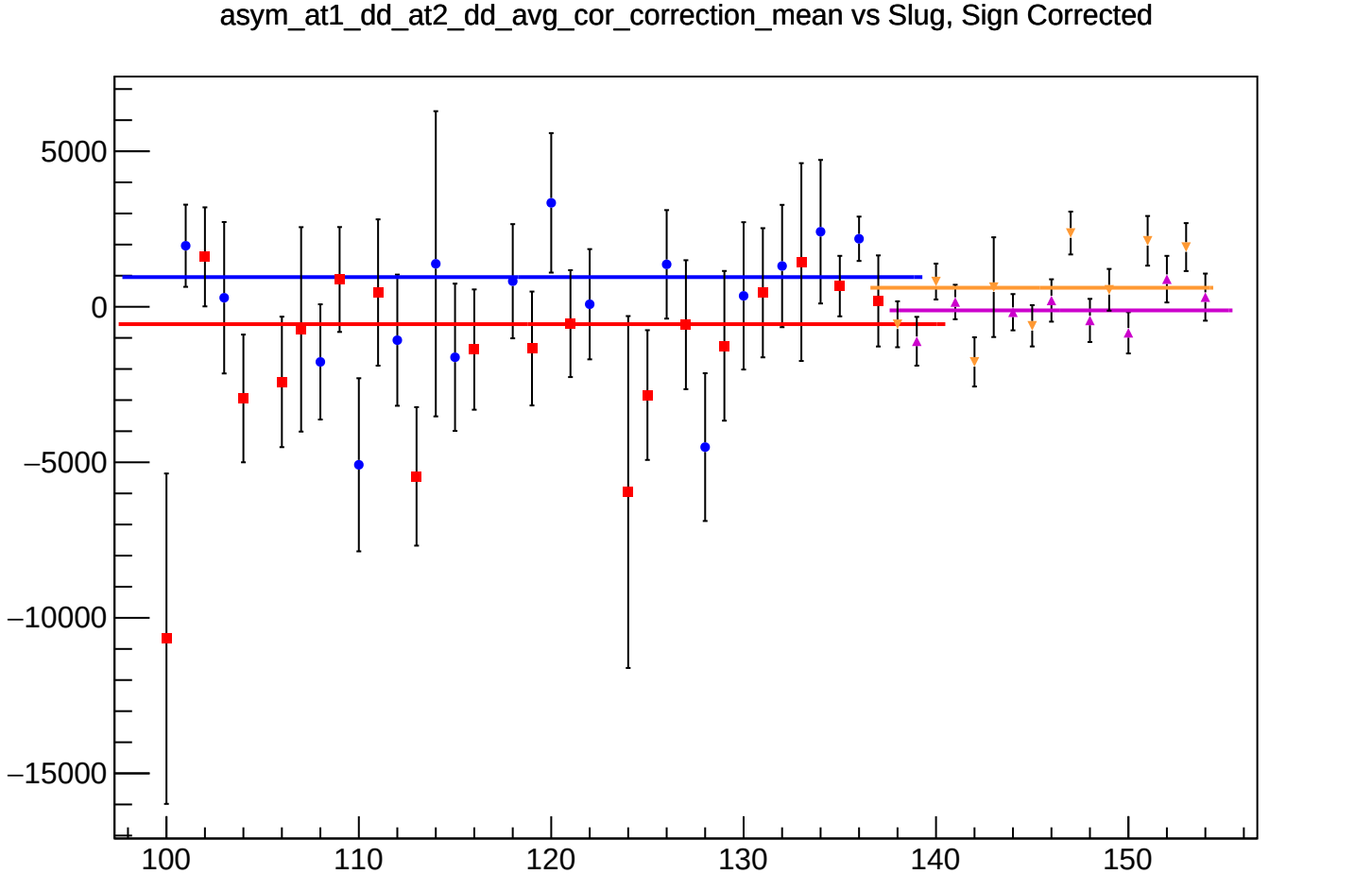
Left: 1281.292+/-0.242 χ^2/NDF: 169338.6/16

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1268.149+/-0.240 χ^2/NDF:532606.4/23

Out: 1292.237+/-0.244 χ^2/NDF:480462.0/27

All: 1280.009+/-0.171 χ^2/NDF: 1018033.5/51



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: -115.574+/-236.658 χ^2/NDF:5.6/7

Left: 235.766+/-170.175 χ^2/NDF: 38.2/16

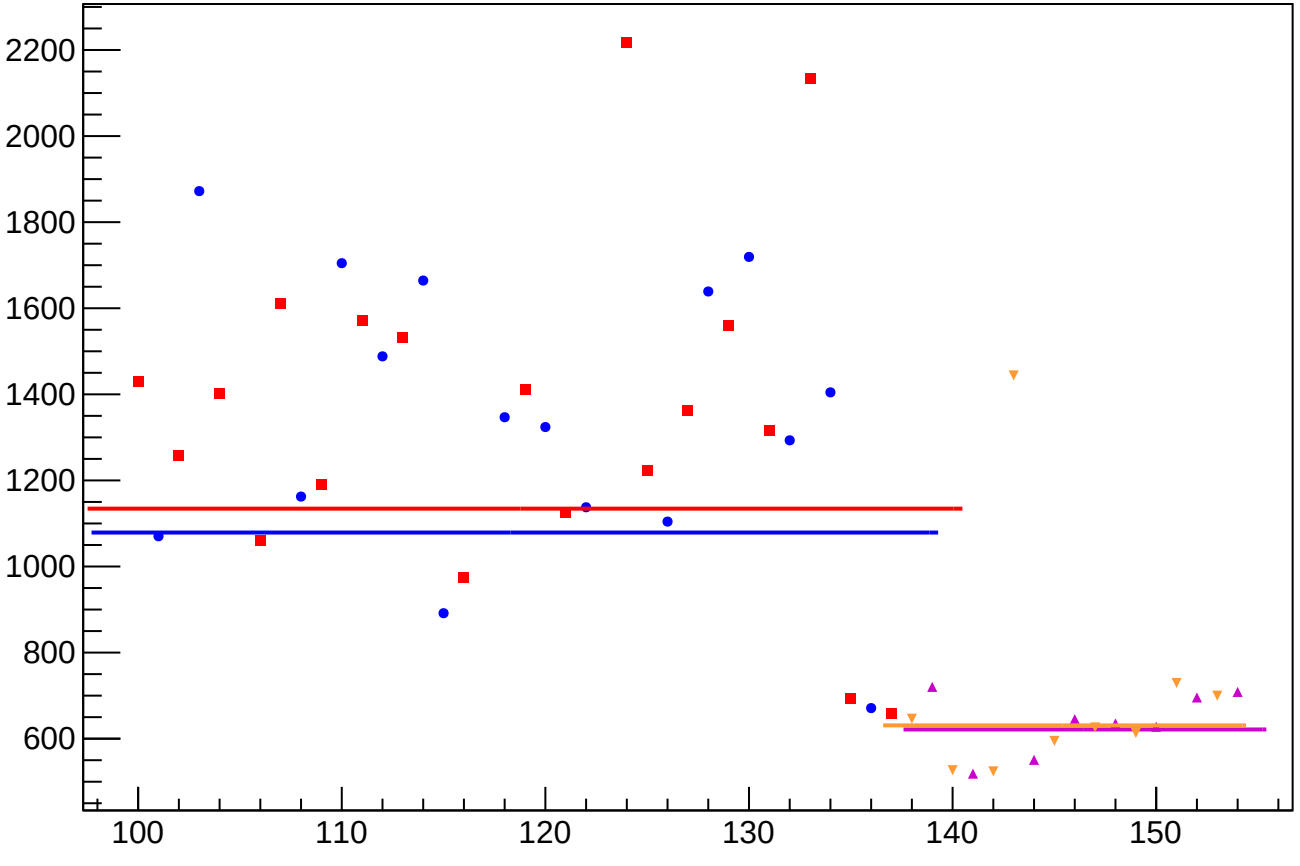
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 137.013+/-206.839 χ^2/NDF:30.3/23

Out: 336.003+/-214.061 χ^2/NDF:51.9/27

All: 233.094+/-148.745 χ^2/NDF: 82.6/51

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: 621.403+/-0.167 χ^2/NDF:179537.6/7

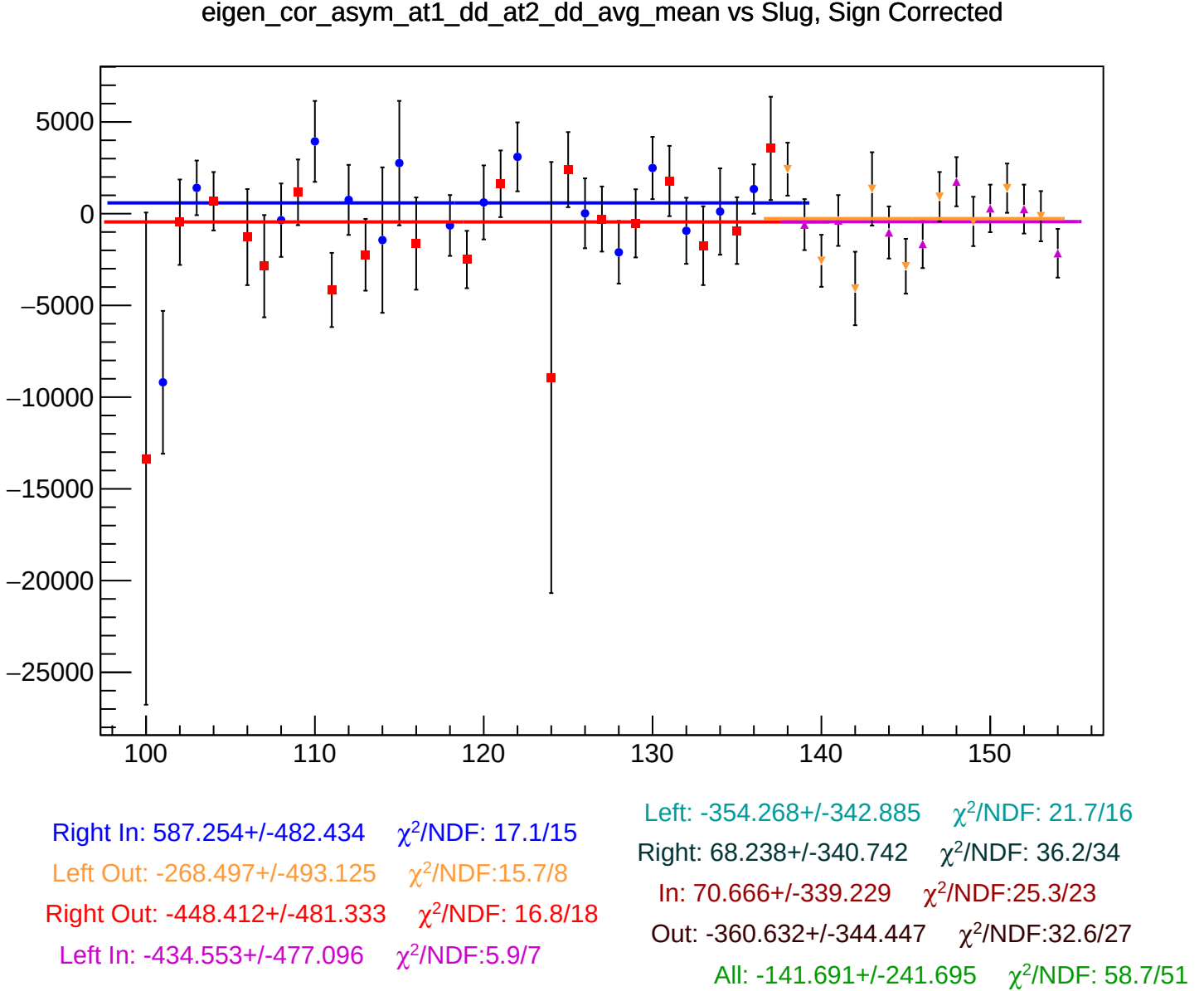
Left: 625.993+/-0.120 χ^2/NDF: 851686.1/16

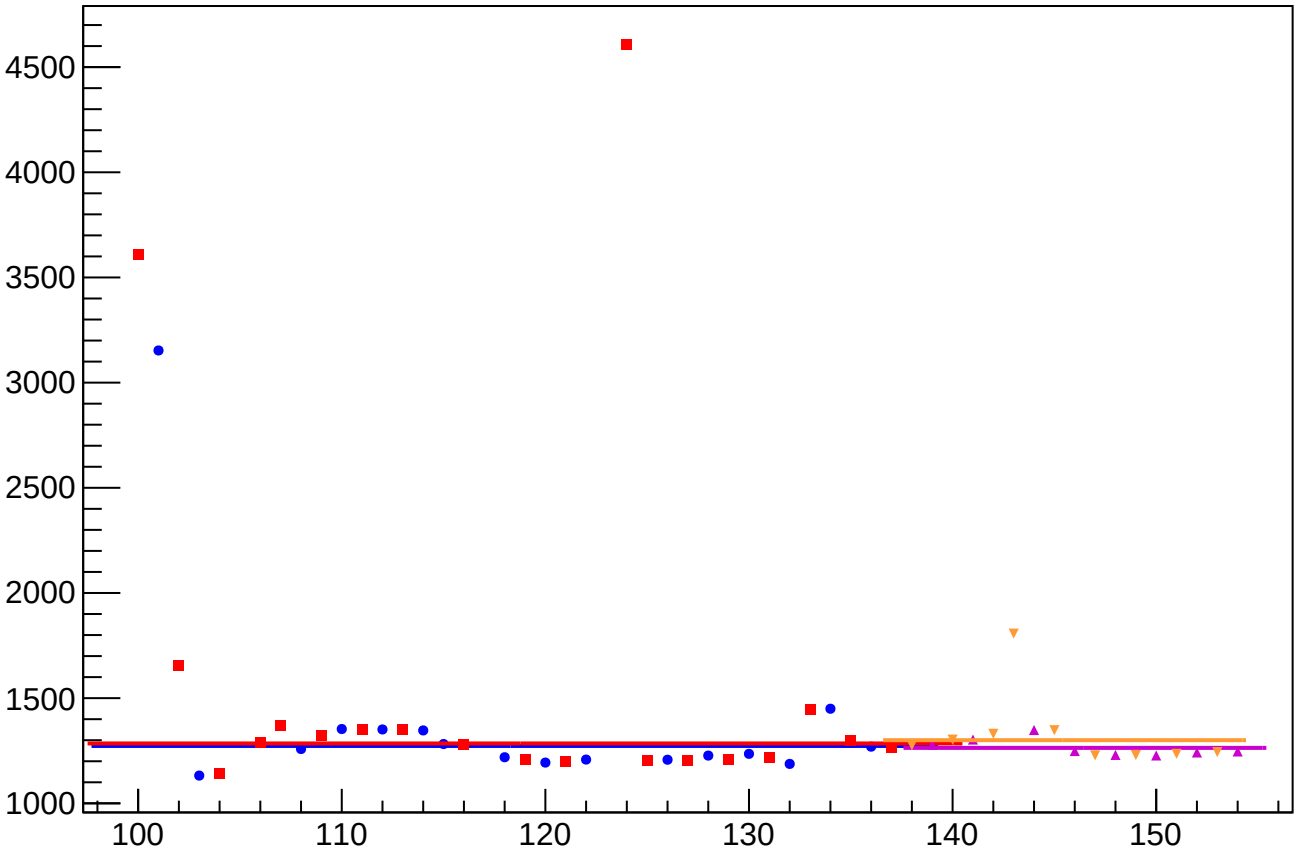
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 729.436+/-0.146 χ^2/NDF:3423335.8/23

Out: 749.674+/-0.151 χ^2/NDF:3953974.2/27

All: 739.208+/-0.105 χ^2/NDF: 7386554.3/51


eigen_cor_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: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -268.497+/-493.125 χ²/NDF:15.7/8
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -434.553+/-477.096 χ²/NDF:5.9/7
Left: -354.268+/-342.885 χ²/NDF: 21.7/16
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 70.666+/-339.229 χ²/NDF:25.3/23
Out: -360.632+/-344.447 χ²/NDF:32.6/27
All: -141.691+/-241.695 χ²/NDF: 58.7/51



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: 1263.597+/-0.337 χ^2/NDF:12938.6/7

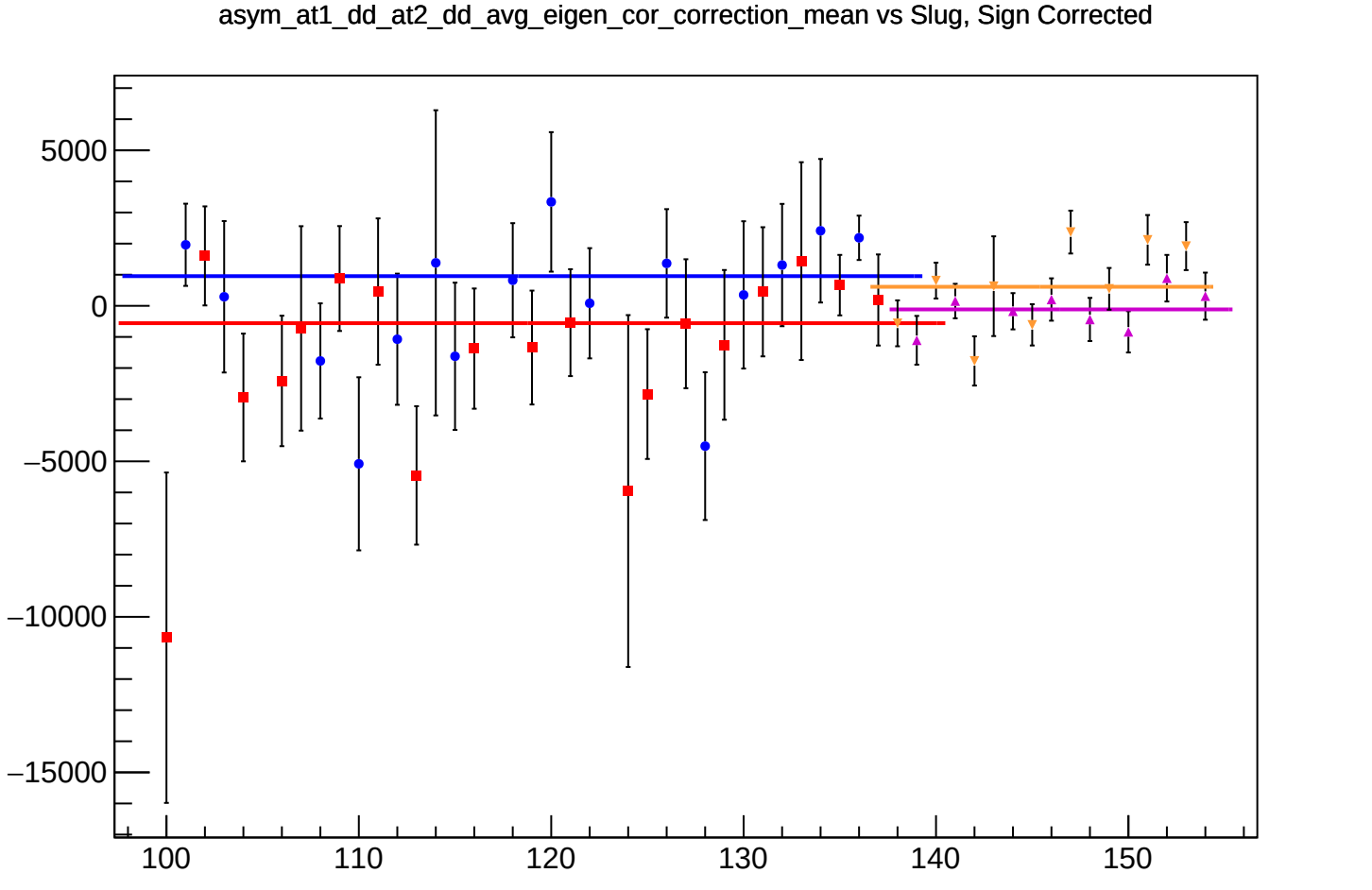
Left: 1281.292+/-0.242 χ^2/NDF: 169338.6/16

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1268.149+/-0.240 χ^2/NDF:532606.4/23

Out: 1292.237+/-0.244 χ^2/NDF:480462.0/27

All: 1280.009+/-0.171 χ^2/NDF: 1018033.5/51



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: -115.574+/-236.658 χ^2/NDF:5.6/7

Left: 235.766+/-170.175 χ^2/NDF: 38.2/16

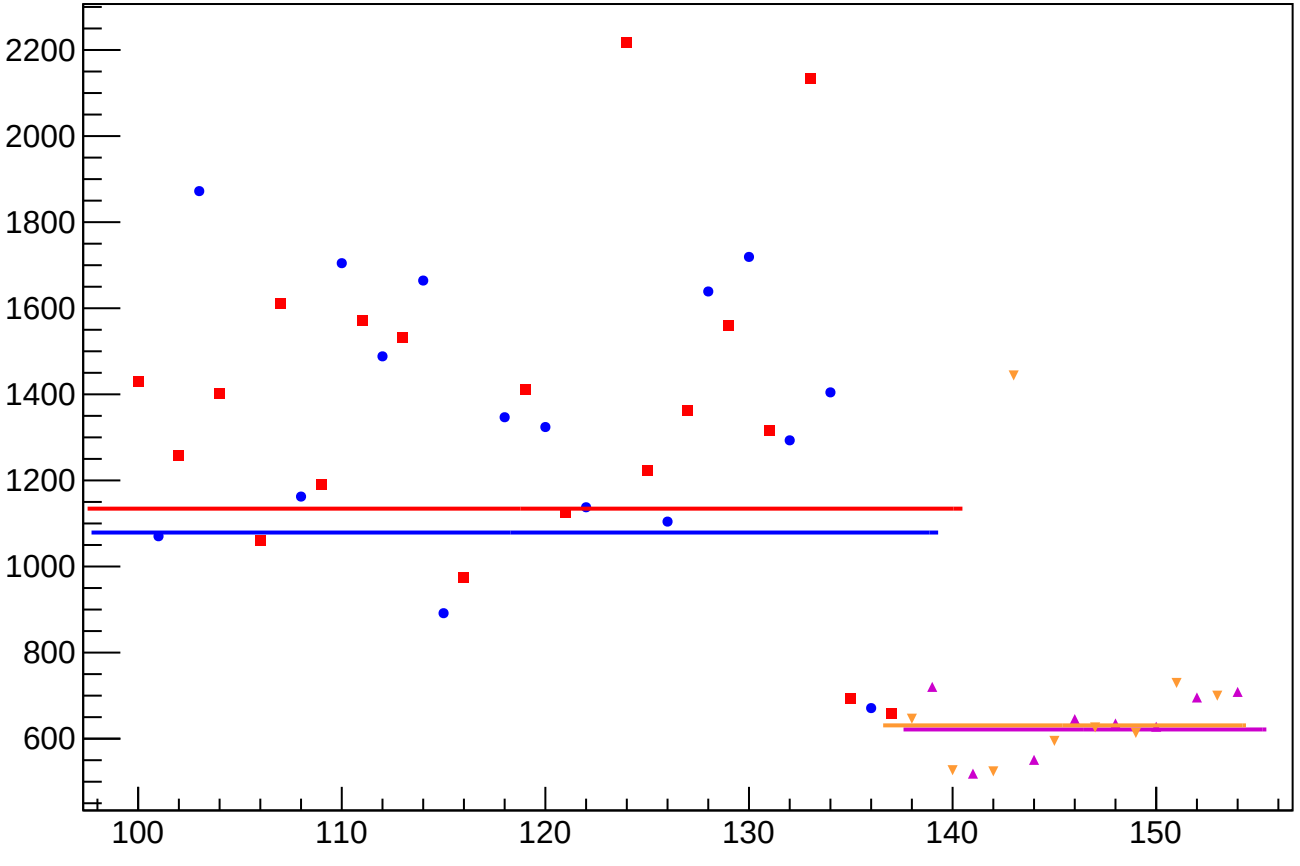
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 137.013+/-206.839 χ^2/NDF:30.3/23

Out: 336.003+/-214.061 χ^2/NDF:51.9/27

All: 233.094+/-148.745 χ^2/NDF: 82.6/51

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: 621.403+/-0.167 χ^2/NDF:179537.6/7

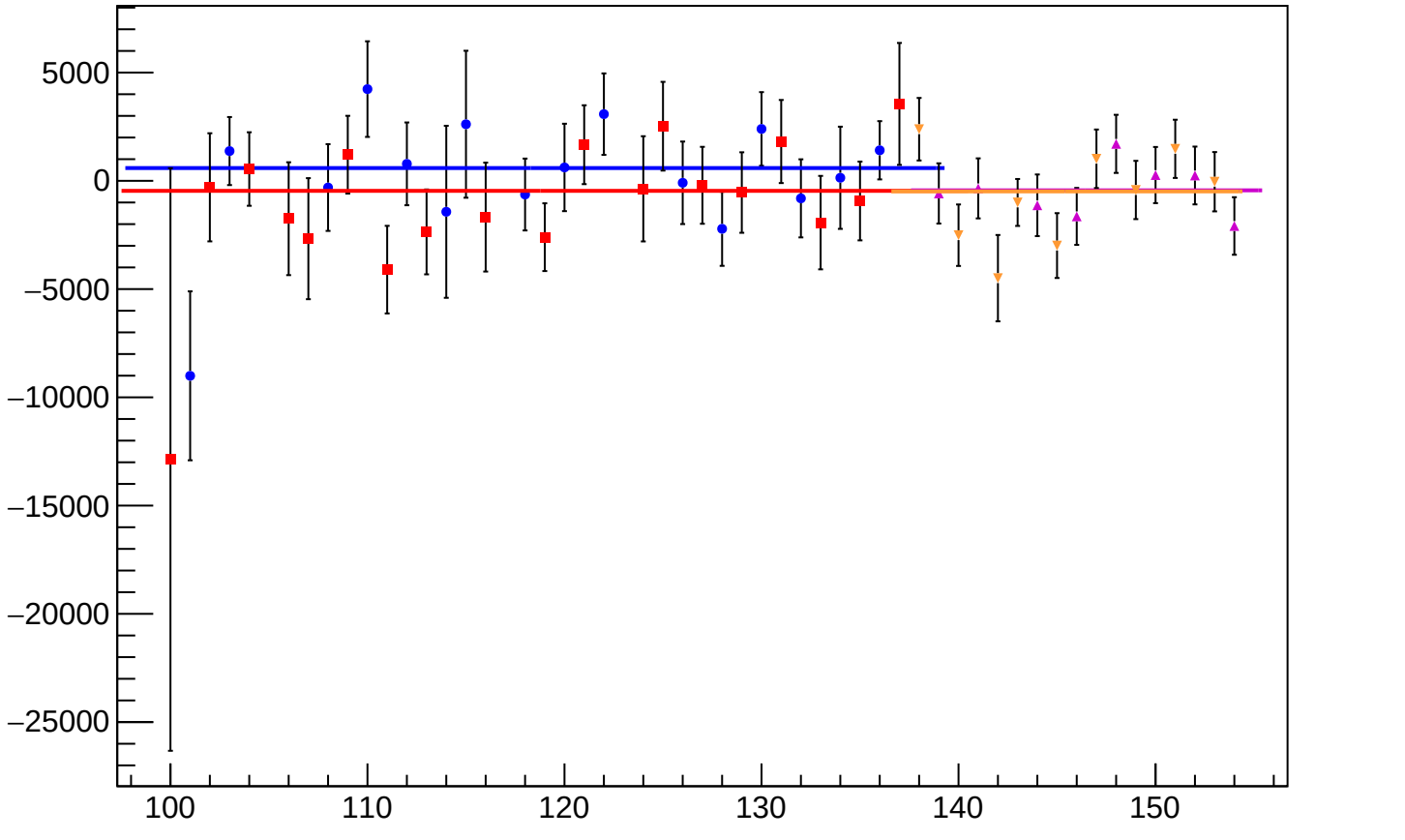
Left: 625.993+/-0.120 χ^2/NDF: 851686.1/16

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 729.436+/-0.146 χ^2/NDF:3423335.8/23

Out: 749.674+/-0.151 χ^2/NDF:3953974.2/27

All: 739.208+/-0.105 χ^2/NDF: 7386554.3/51



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: -438.861+/-477.478 χ^2/NDF:5.7/7

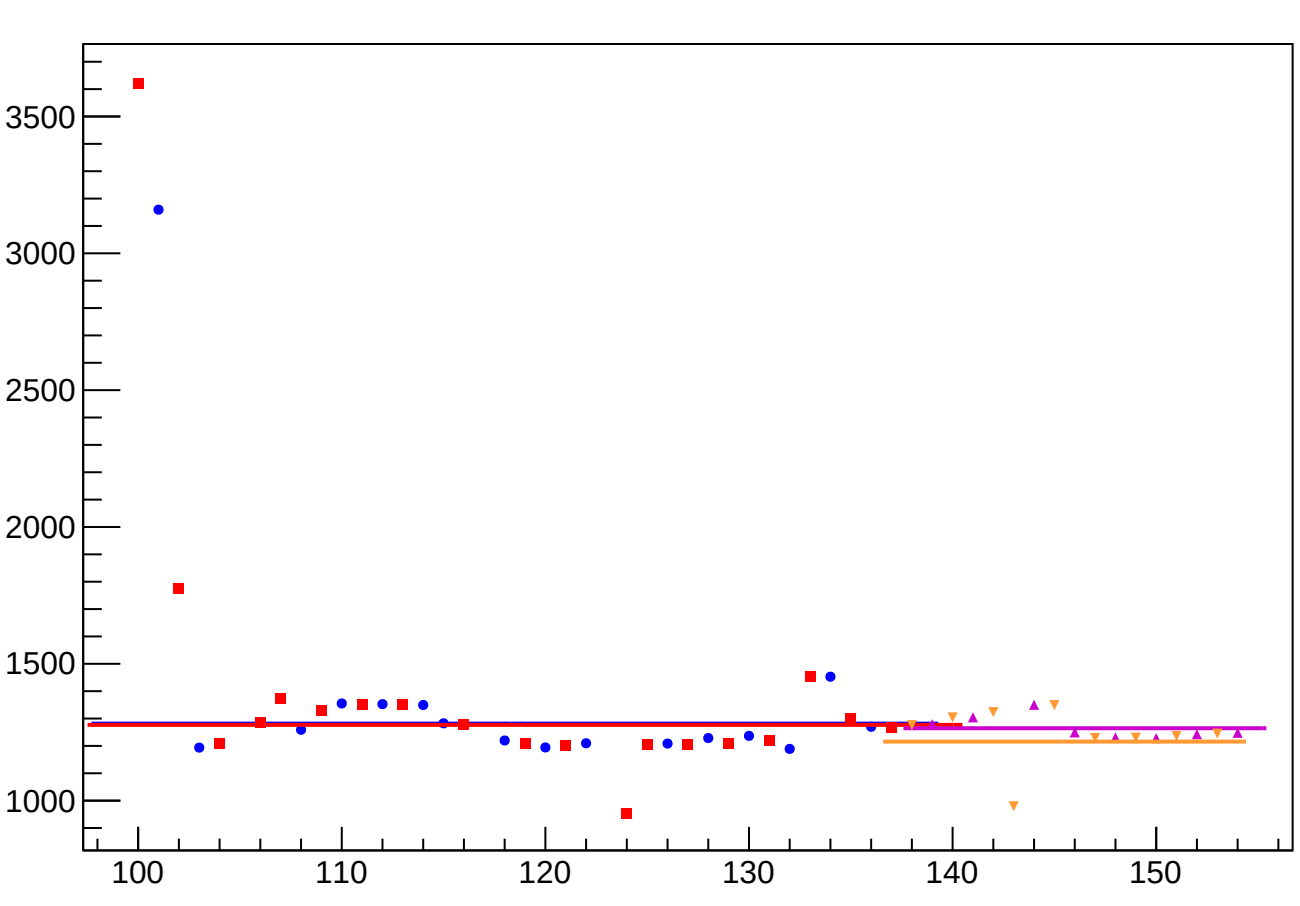
Left: -464.148+/-331.563 χ^2/NDF: 22.3/16

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 67.176+/-340.423 χ^2/NDF:25.1/23

Out: -475.580+/-331.334 χ^2/NDF:33.2/27

All: -211.544+/-237.437 χ^2/NDF: 59.7/51



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: 1264.603+/-0.338 χ^2/NDF:13065.7/7

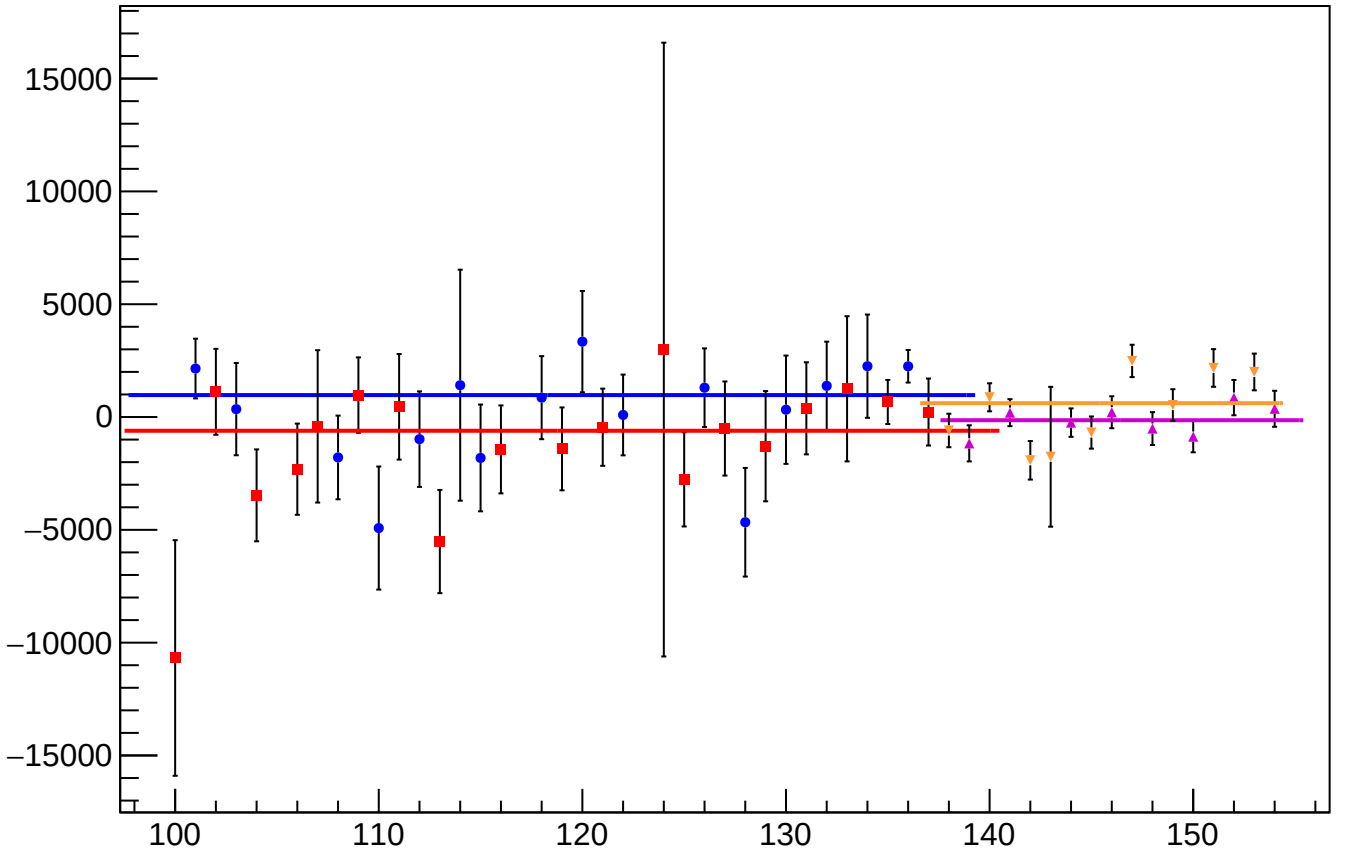
Left: 1239.291+/-0.234 χ^2/NDF: 153778.5/16

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1272.846+/-0.241 χ^2/NDF:521356.6/23

Out: 1245.245+/-0.234 χ^2/NDF:367377.6/27

All: 1258.672+/-0.168 χ^2/NDF: 895486.2/51



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: -141.627+/-249.799 χ^2/NDF:5.6/7

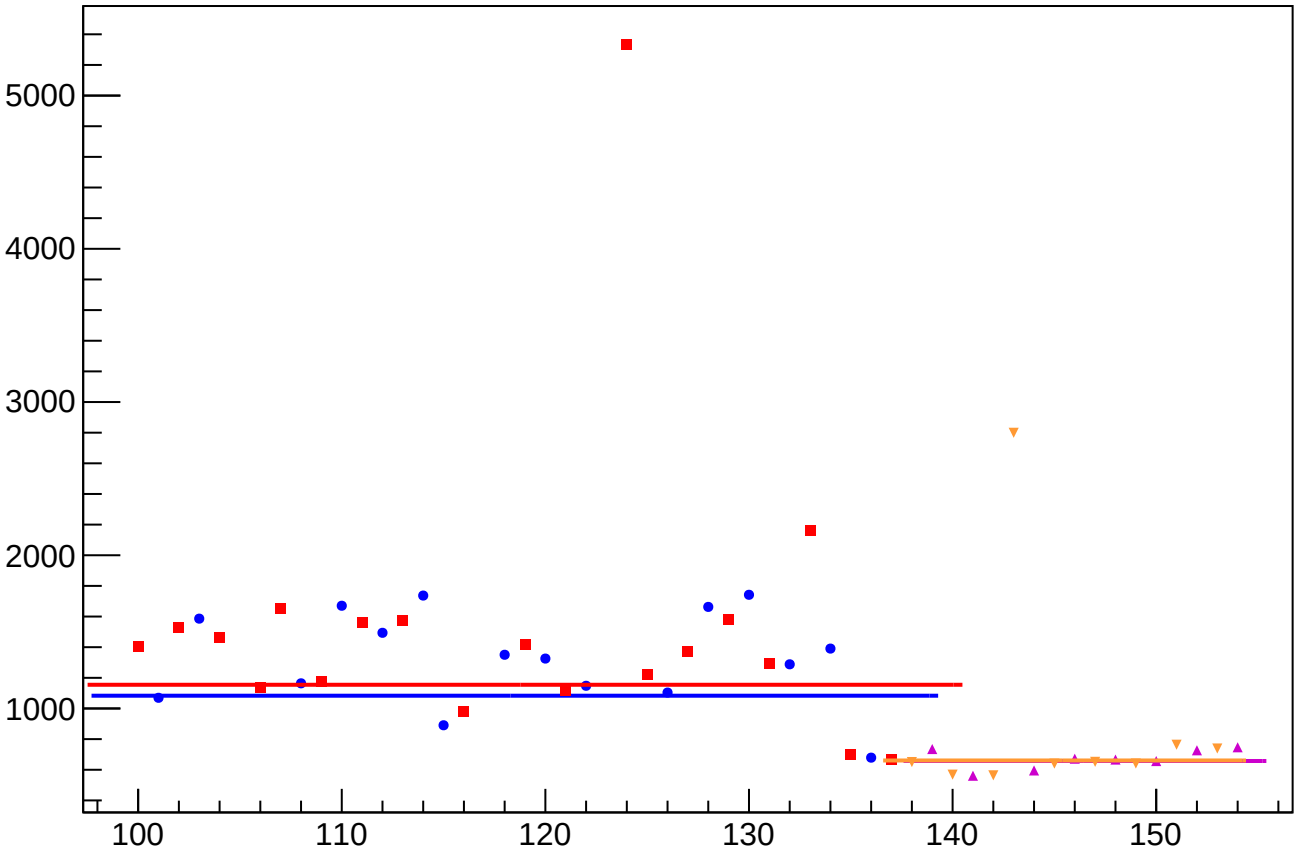
Left: 220.776+/-180.202 χ^2/NDF: 38.8/16

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 144.166+/-215.383 χ^2/NDF:31.2/23

Out: 305.369+/-224.974 χ^2/NDF:51.5/27

All: 221.258+/-155.579 χ^2/NDF: 82.9/51



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: 657.228+/-0.177 χ^2/NDF:132234.9/7

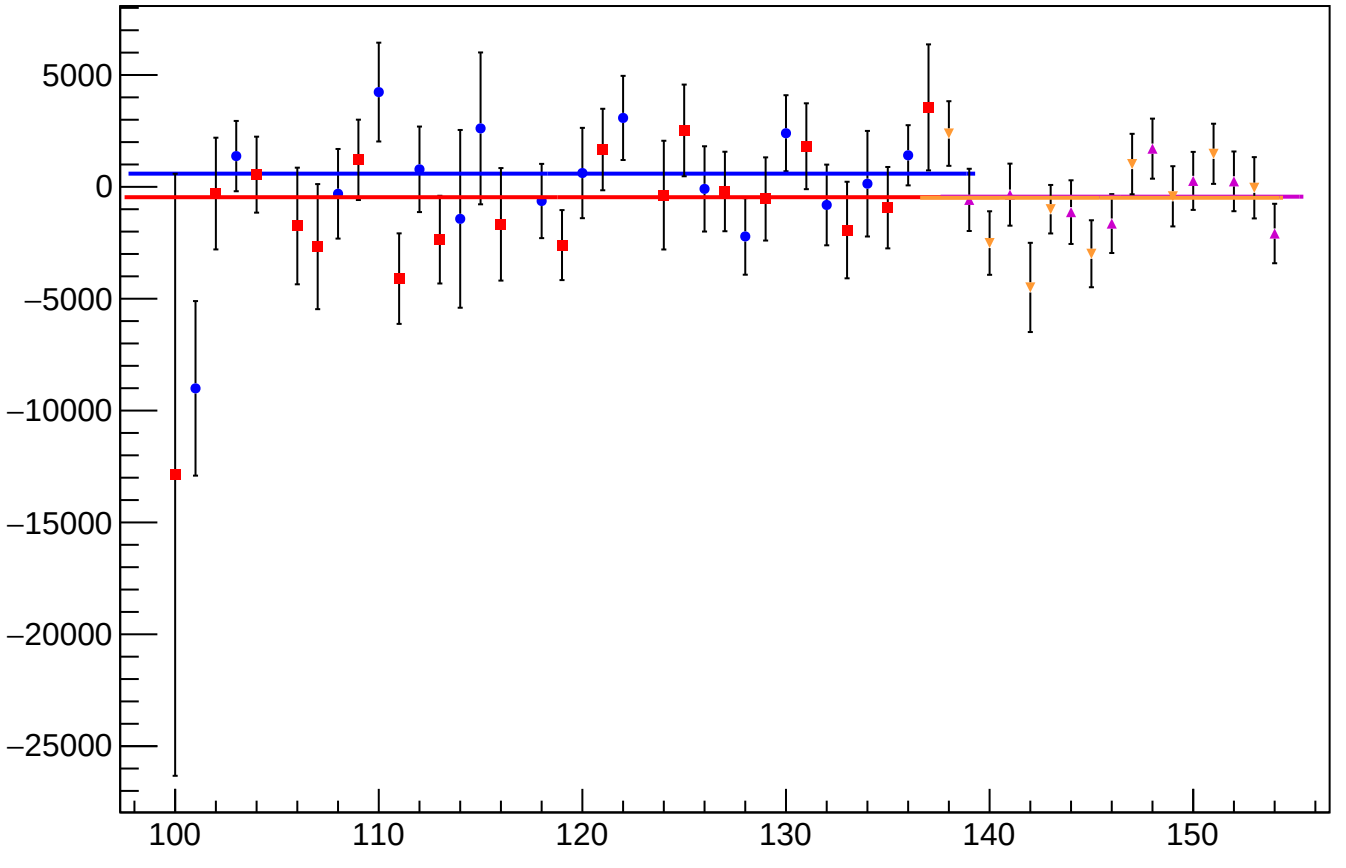
Left: 658.838+/-0.127 χ^2/NDF: 1207607.4/16

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 766.553+/-0.152 χ^2/NDF:2985468.9/23

Out: 785.345+/-0.159 χ^2/NDF:4384510.4/27

All: 775.540+/-0.110 χ^2/NDF: 7377260.4/51



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -487.698+/-460.769 χ^2/NDF:16.5/8

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -438.864+/-477.478 χ^2/NDF:5.7/7

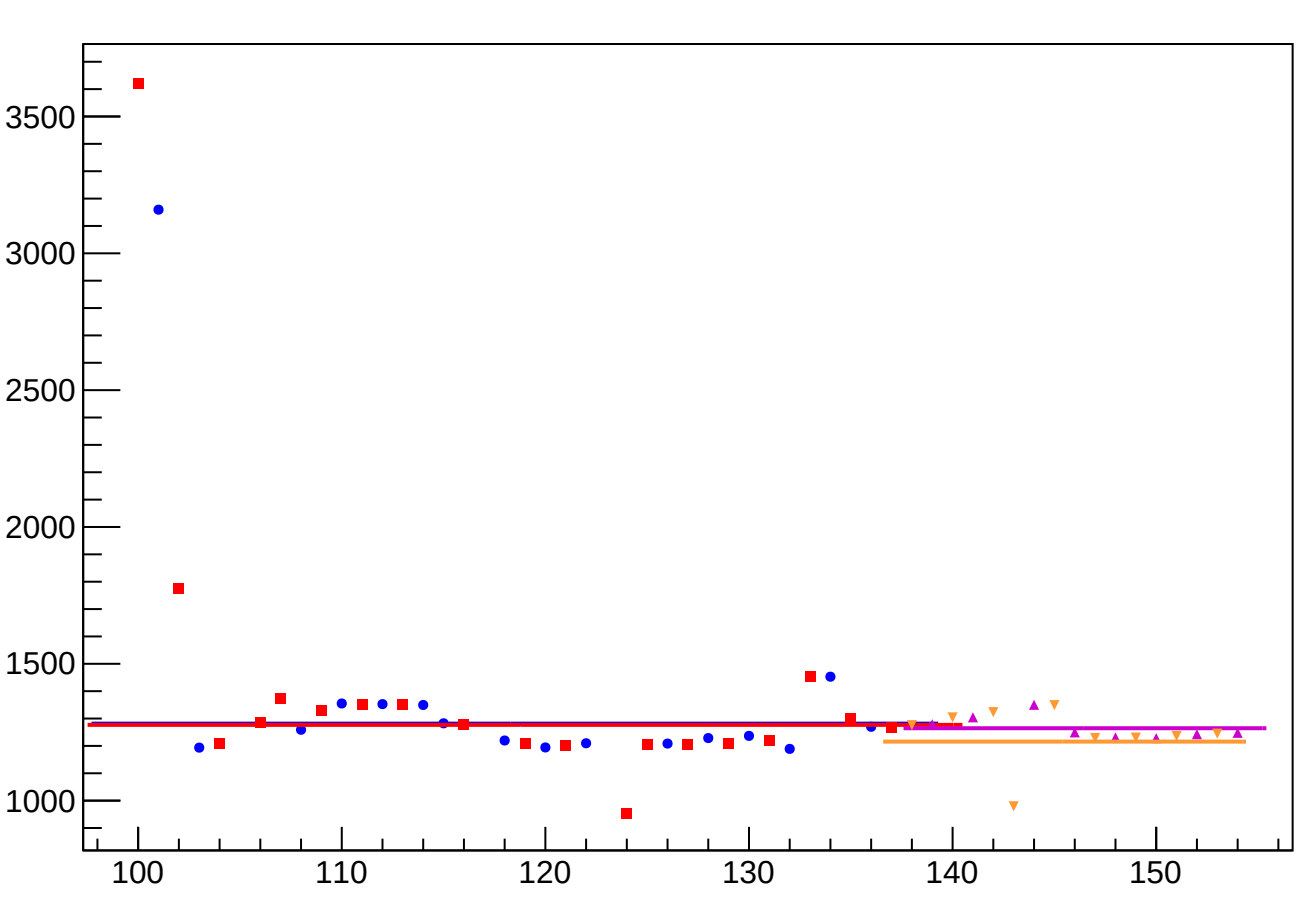
Left: -464.150+/-331.563 χ^2/NDF: 22.3/16

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 67.176+/-340.423 χ^2/NDF:25.1/23

Out: -475.580+/-331.334 χ^2/NDF:33.2/27

All: -211.545+/-237.437 χ^2/NDF: 59.7/51



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: 1264.603+/-0.338 χ^2/NDF:13065.7/7

Left: 1239.291+/-0.234 χ^2/NDF: 153777.7/16

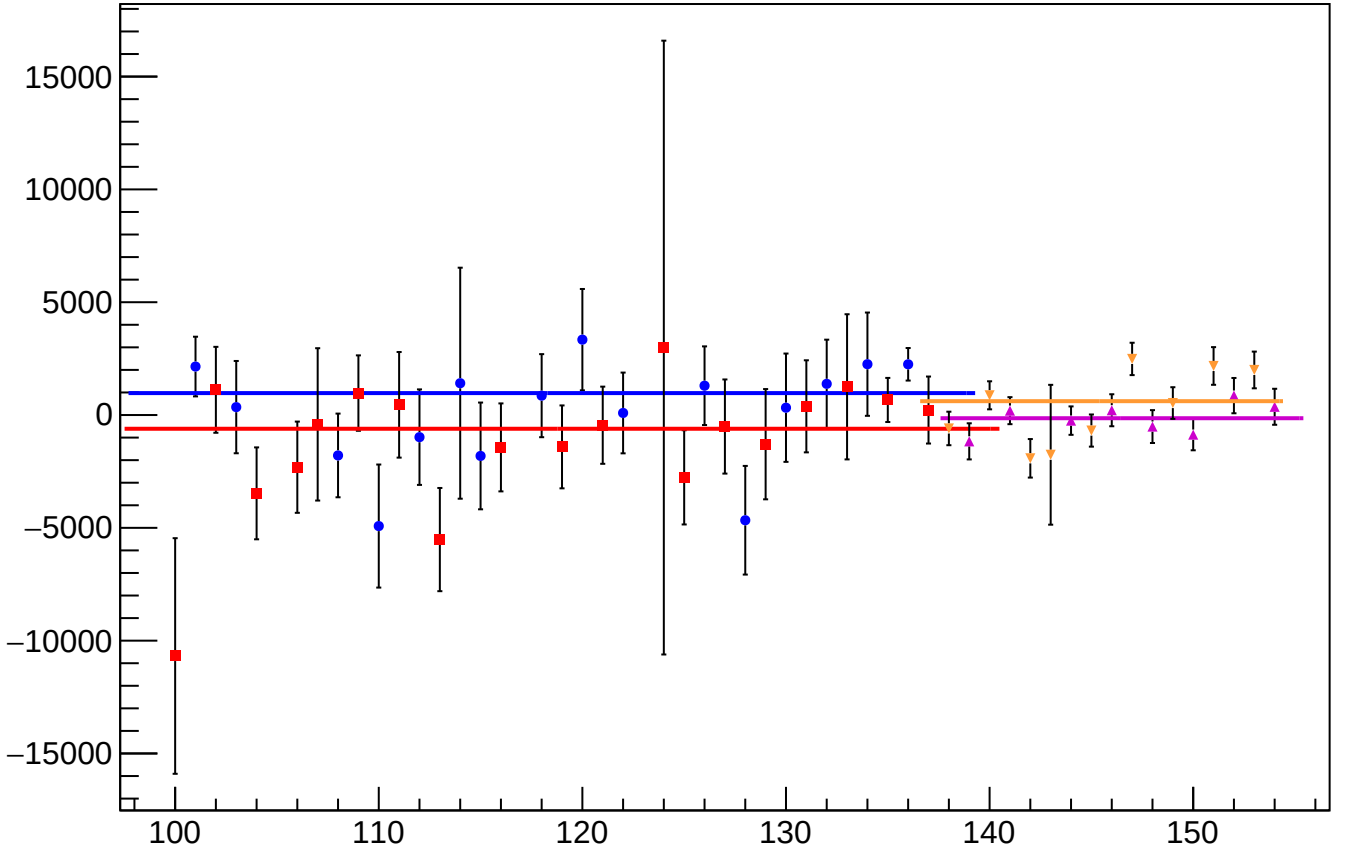
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1272.846+/-0.241 χ^2/NDF:521356.7/23

Out: 1245.245+/-0.234 χ^2/NDF:367376.6/27

All: 1258.672+/-0.168 χ^2/NDF: 895485.3/51

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: -141.628+/-249.799 χ^2/NDF:5.6/7

Left: 220.776+/-180.202 χ^2/NDF: 38.8/16

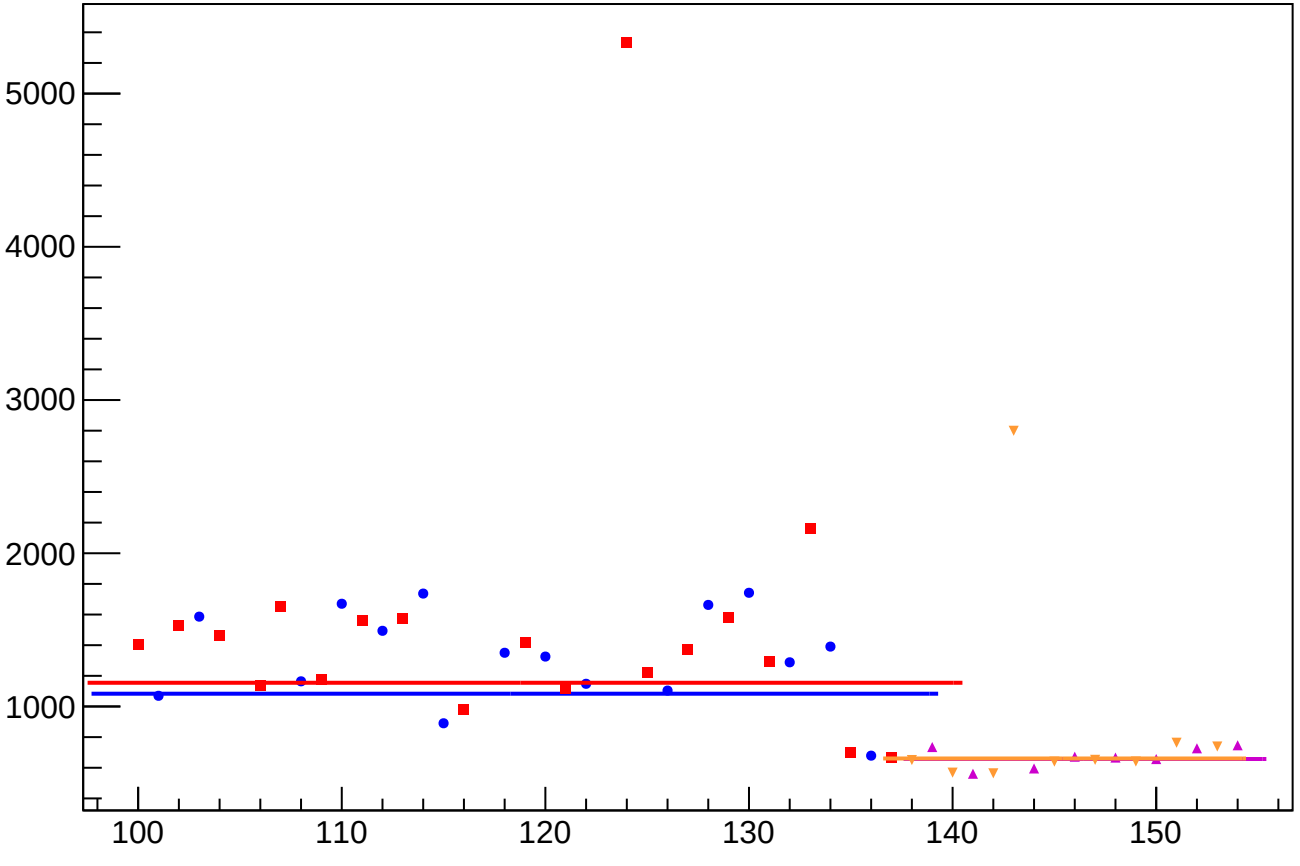
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 144.162+/-215.384 χ^2/NDF:31.2/23

Out: 305.371+/-224.975 χ^2/NDF:51.5/27

All: 221.257+/-155.579 χ^2/NDF: 82.9/51

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 660.587+/-0.184 χ^2/NDF:1075194.3/8

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 657.228+/-0.177 χ^2/NDF:132237.2/7

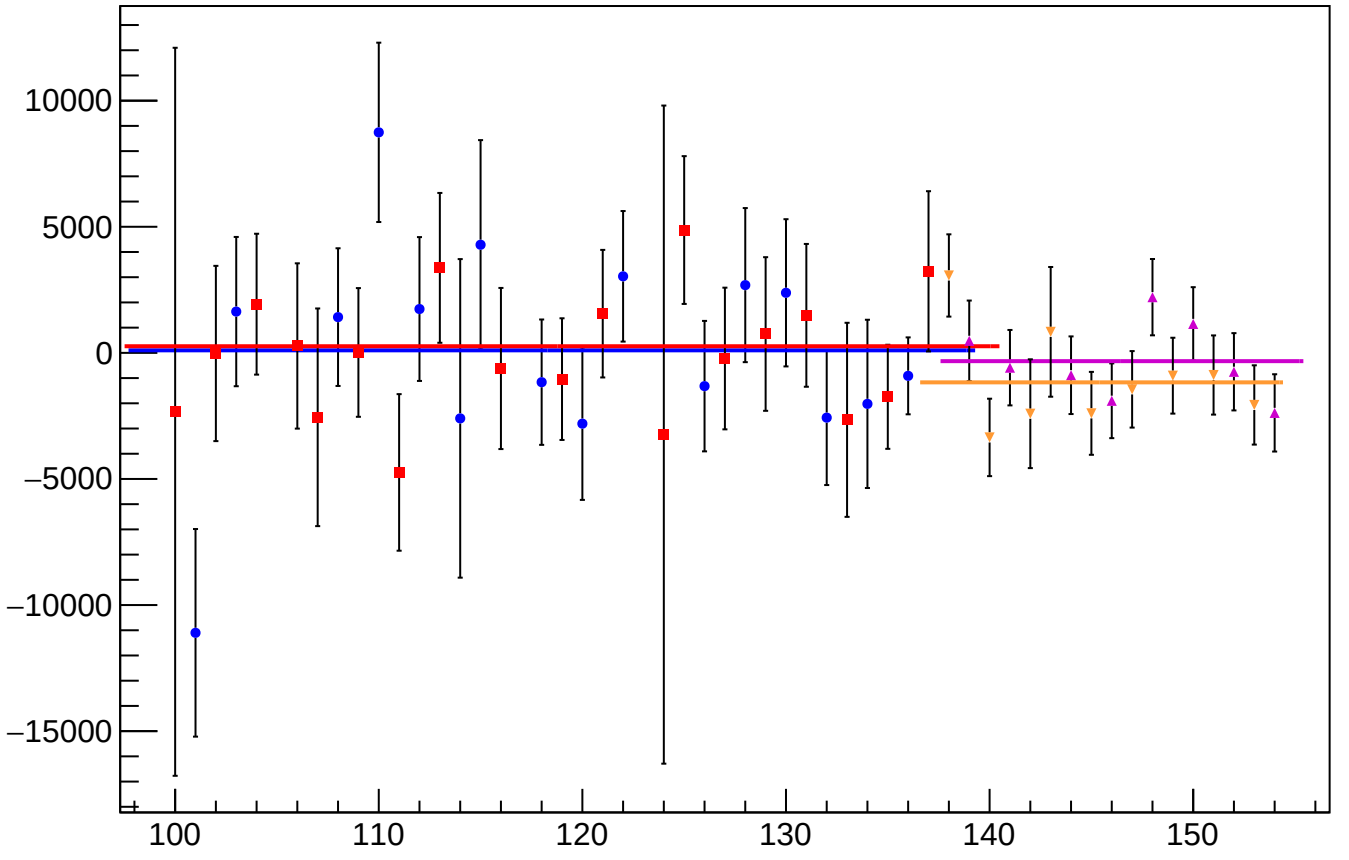
Left: 658.839+/-0.127 χ^2/NDF: 1207604.9/16

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 766.554+/-0.152 χ^2/NDF:2985453.8/23

Out: 785.348+/-0.159 χ^2/NDF:4384480.1/27

All: 775.542+/-0.110 χ^2/NDF: 7377216.6/51



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: -328.567+/-536.370 χ^2/NDF:7.2/7

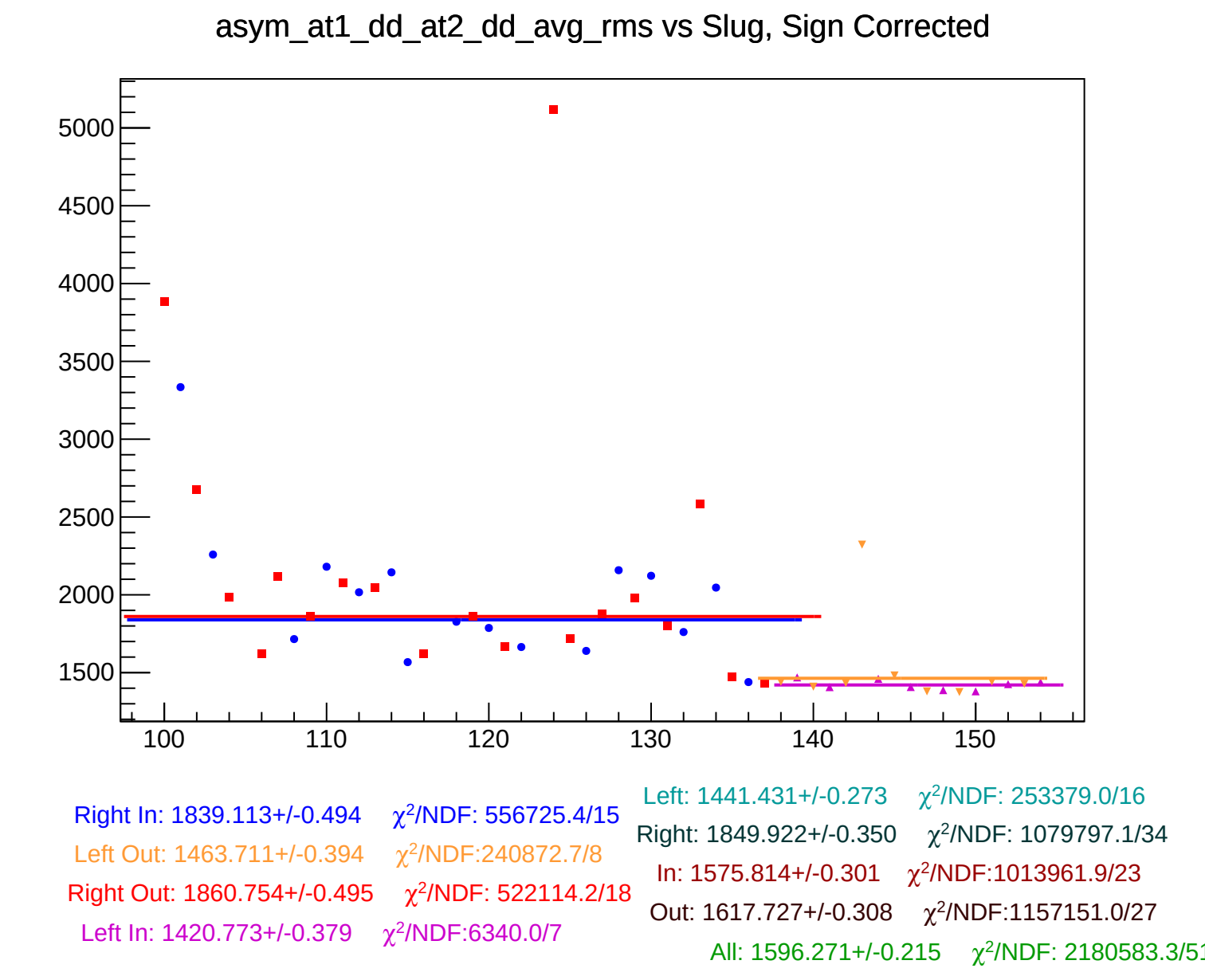
Left: -733.242+/-386.368 χ^2/NDF: 19.1/16

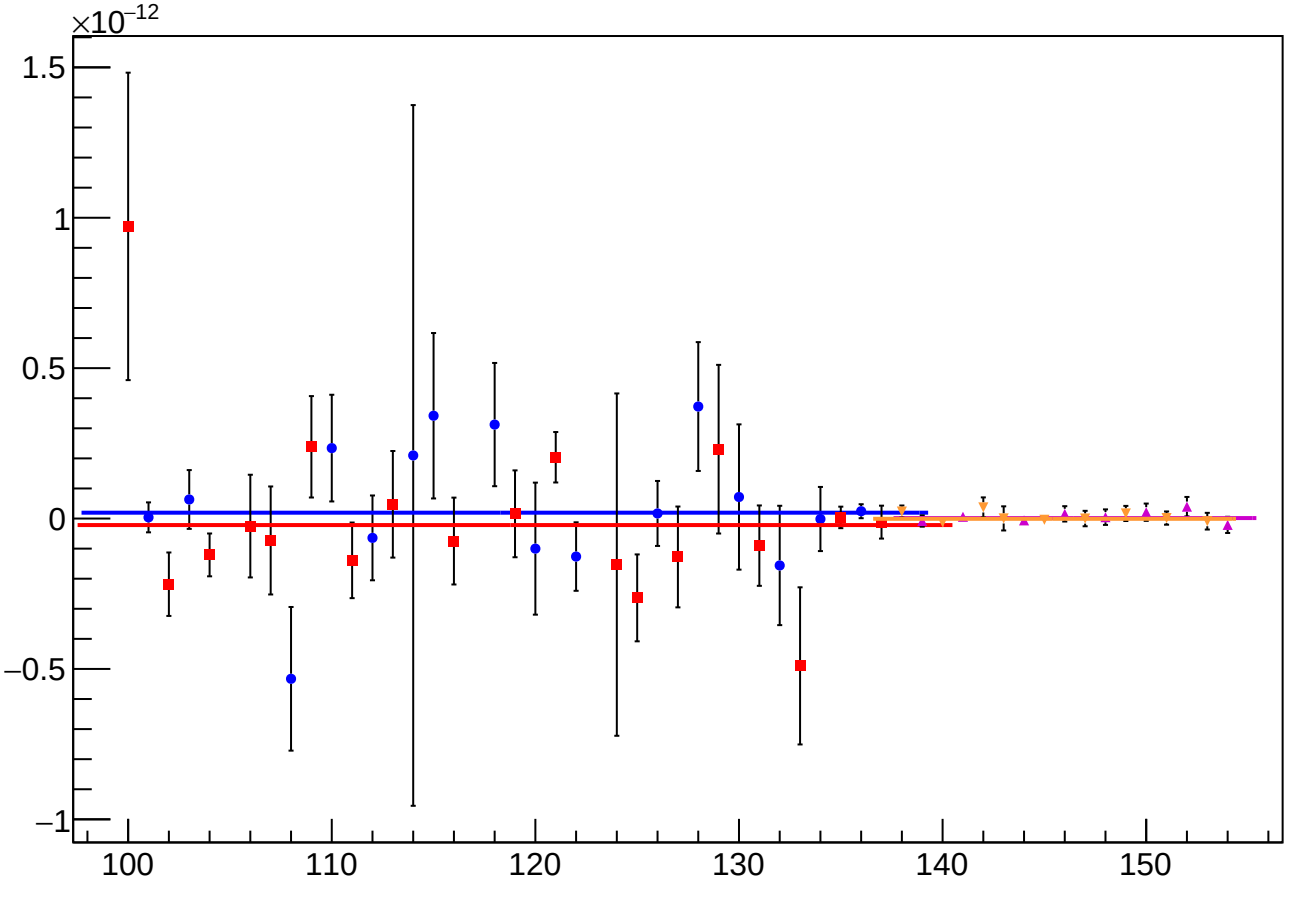
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -169.569+/-425.524 χ^2/NDF:28.8/23

Out: -614.052+/-435.801 χ^2/NDF:23.6/27

All: -386.508+/-304.460 χ^2/NDF: 52.9/51


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 1839.113+/-0.494 χ²/NDF: 556725.4/15
Left Out: 1463.711+/-0.394 χ²/NDF:240872.7/8
Right Out: 1860.754+/-0.495 χ²/NDF: 522114.2/18
Left In: 1420.773+/-0.379 χ²/NDF:6340.0/7
Left: 1441.431+/-0.273 χ²/NDF: 253379.0/16
Right: 1849.922+/-0.350 χ²/NDF: 1079797.1/34
In: 1575.814+/-0.301 χ²/NDF:1013961.9/23
Out: 1617.727+/-0.308 χ²/NDF:1157151.0/27
All: 1596.271+/-0.215 χ²/NDF: 2180583.3/51



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:3.5/7

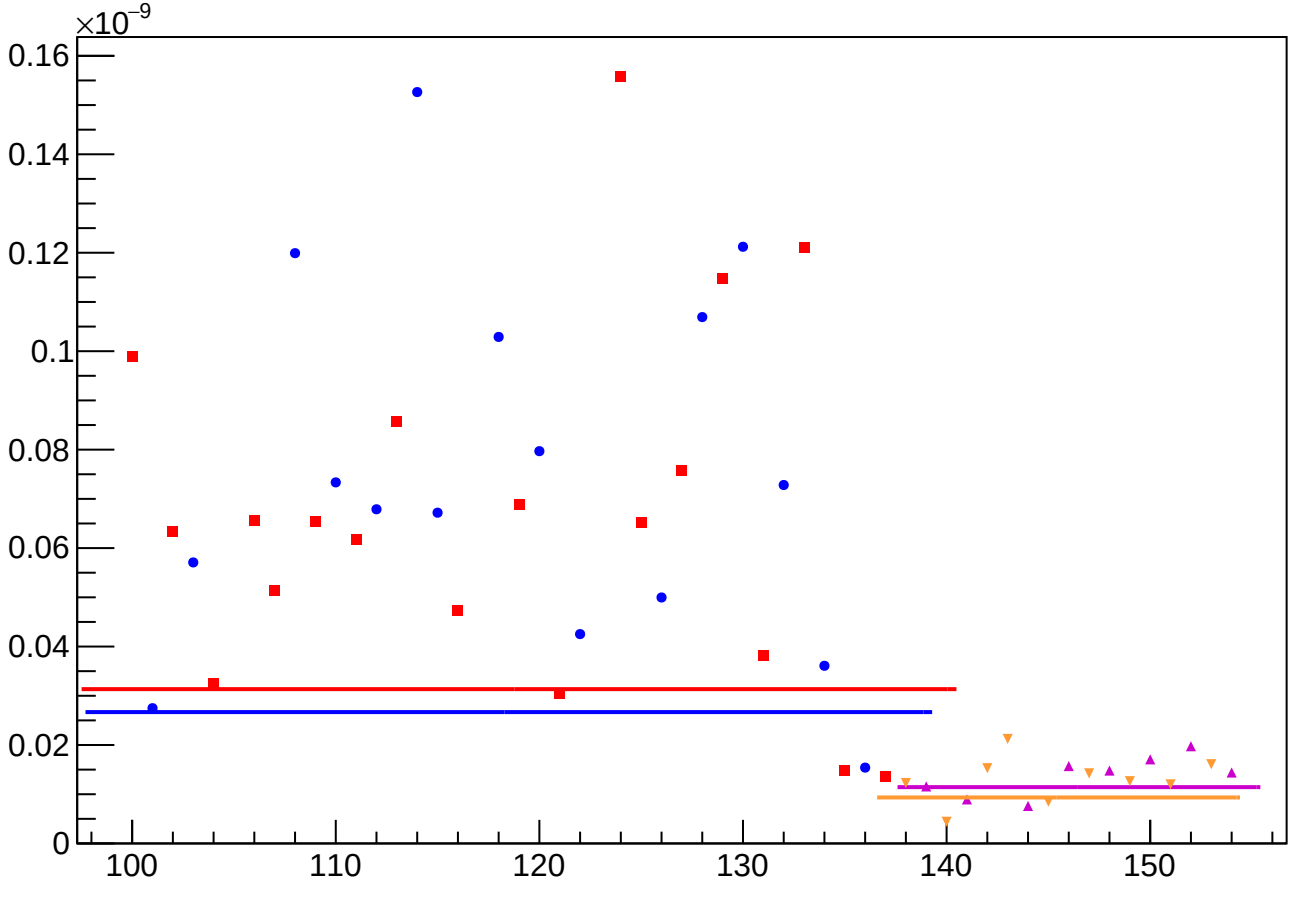
Left: 0.000+/-0.000 χ^2/NDF: 8.2/16

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.8/23

Out: -0.000+/-0.000 χ^2/NDF:33.6/27

All: 0.000+/-0.000 χ^2/NDF: 54.9/51



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:536561.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1599141.4/16

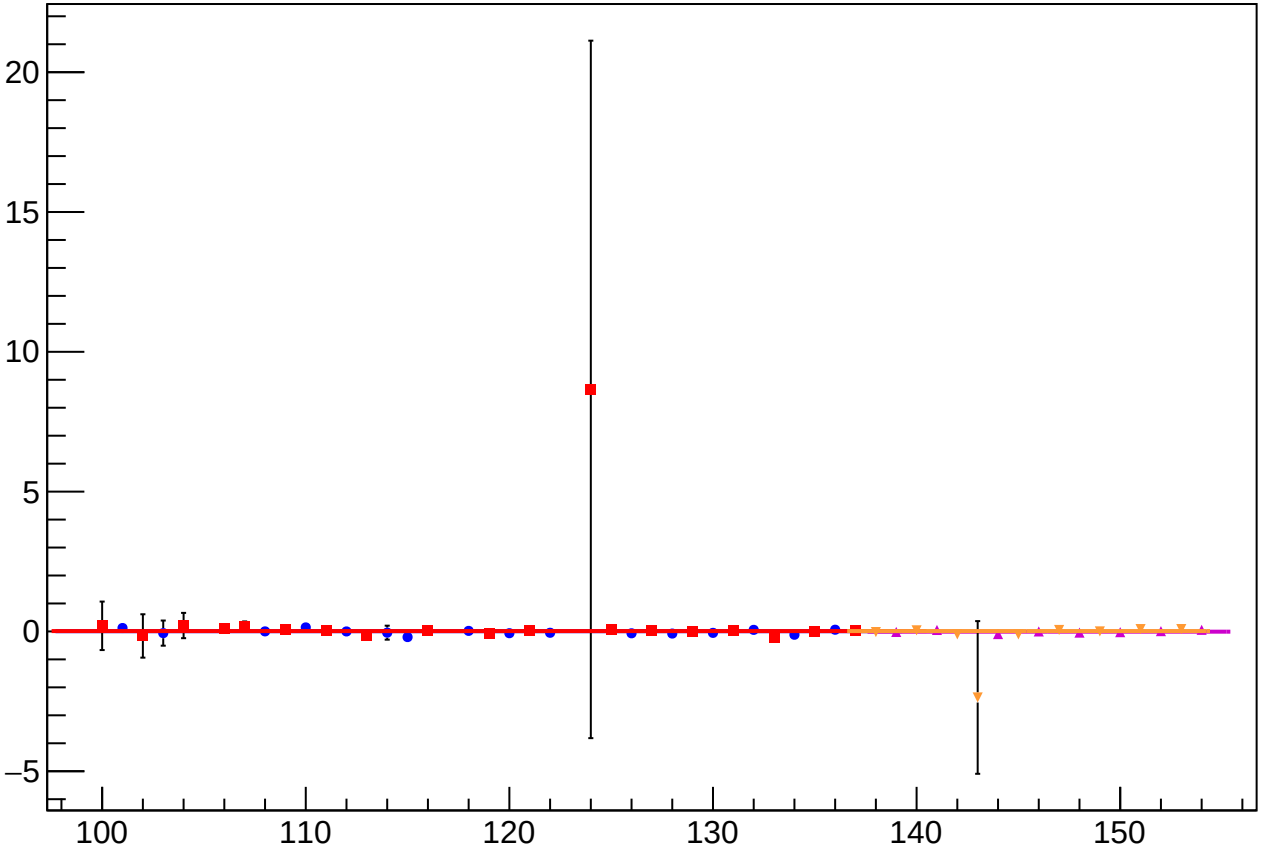
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4259638.1/23

Out: 0.000+/-0.000 χ^2/NDF:5040533.5/27

All: 0.000+/-0.000 χ^2/NDF: 9430445.1/51

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: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.001+/-0.011 χ^2/NDF: 21.1/16

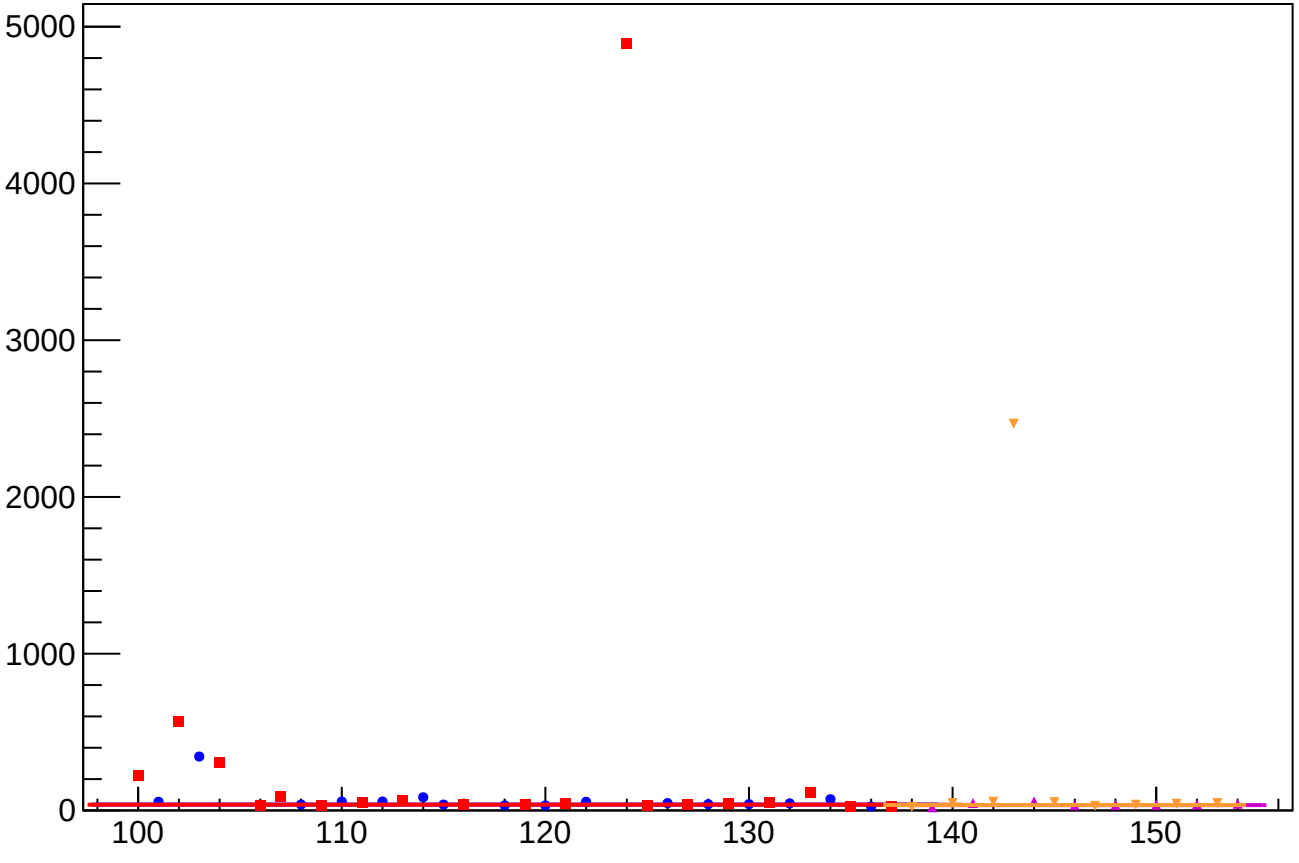
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.013+/-0.011 χ^2/NDF:26.3/27

All: 0.005+/-0.008 χ^2/NDF: 53.3/51

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: 34.041+/-0.010 χ^2/NDF:1008115.1/7

Left: 34.370+/-0.007 χ^2/NDF: 3605996.6/16

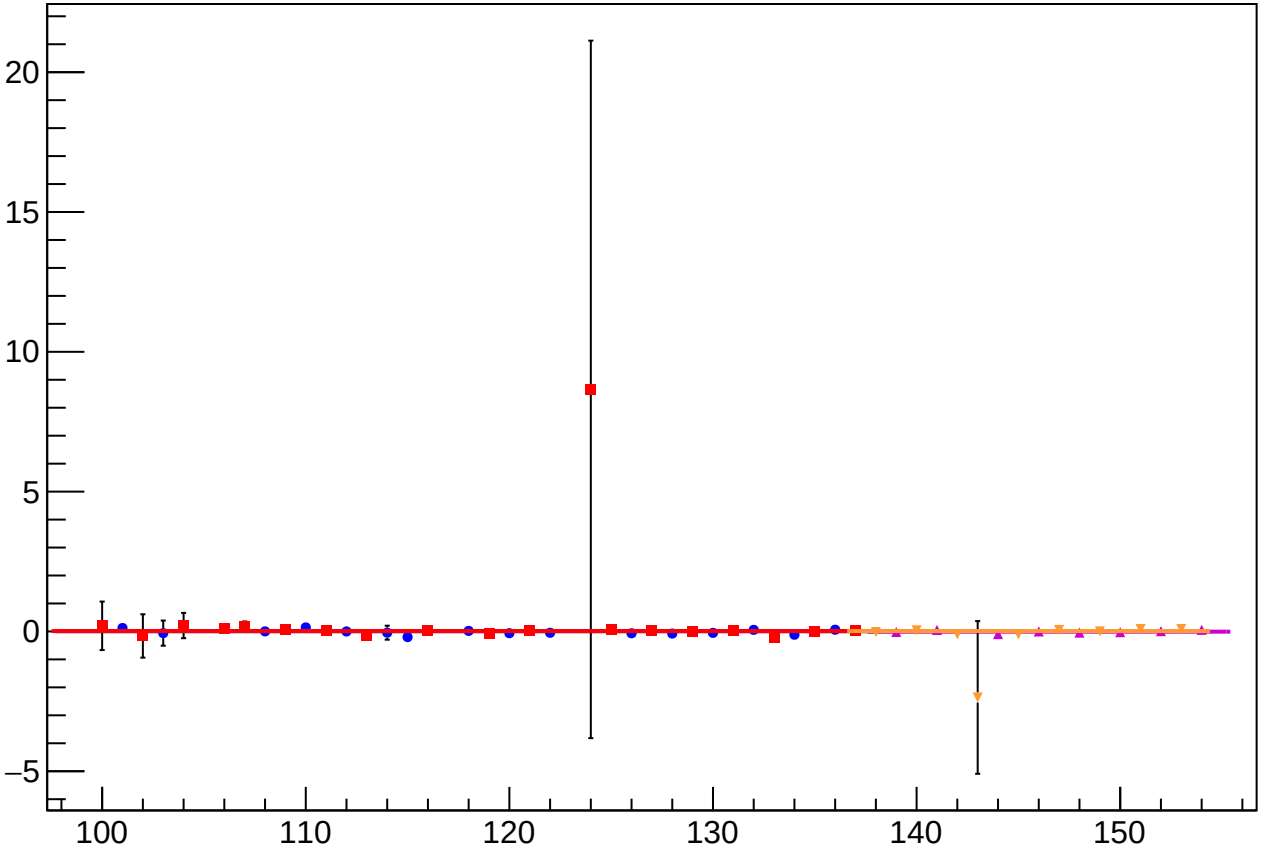
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.574+/-0.008 χ^2/NDF:3042676.1/23

Out: 35.685+/-0.008 χ^2/NDF:5802137.6/27

All: 35.627+/-0.006 χ^2/NDF: 8844914.1/51

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: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.001+/-0.011 χ^2/NDF: 21.1/16

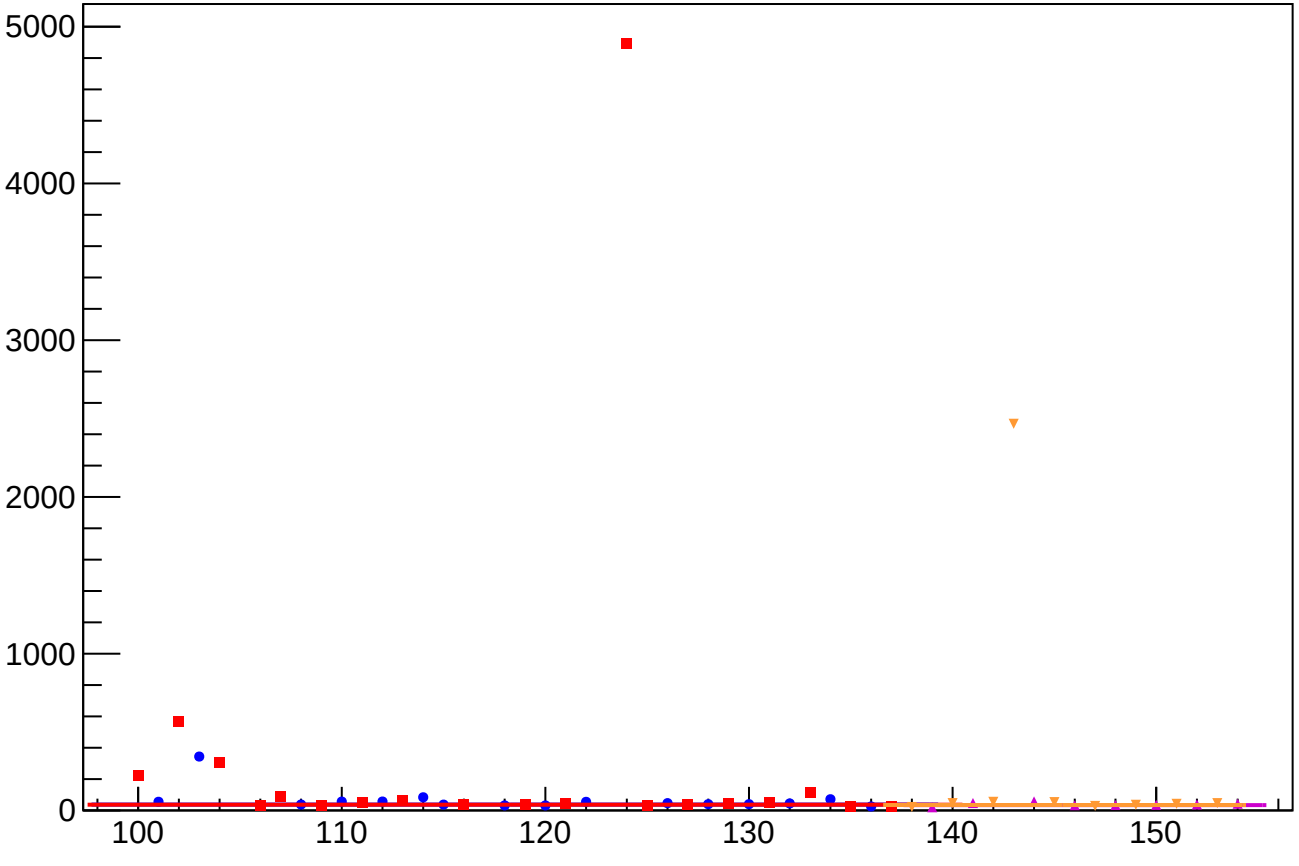
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.013+/-0.011 χ^2/NDF:26.3/27

All: 0.005+/-0.008 χ^2/NDF: 53.3/51

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: 34.041+/-0.010 χ^2/NDF:1008115.1/7

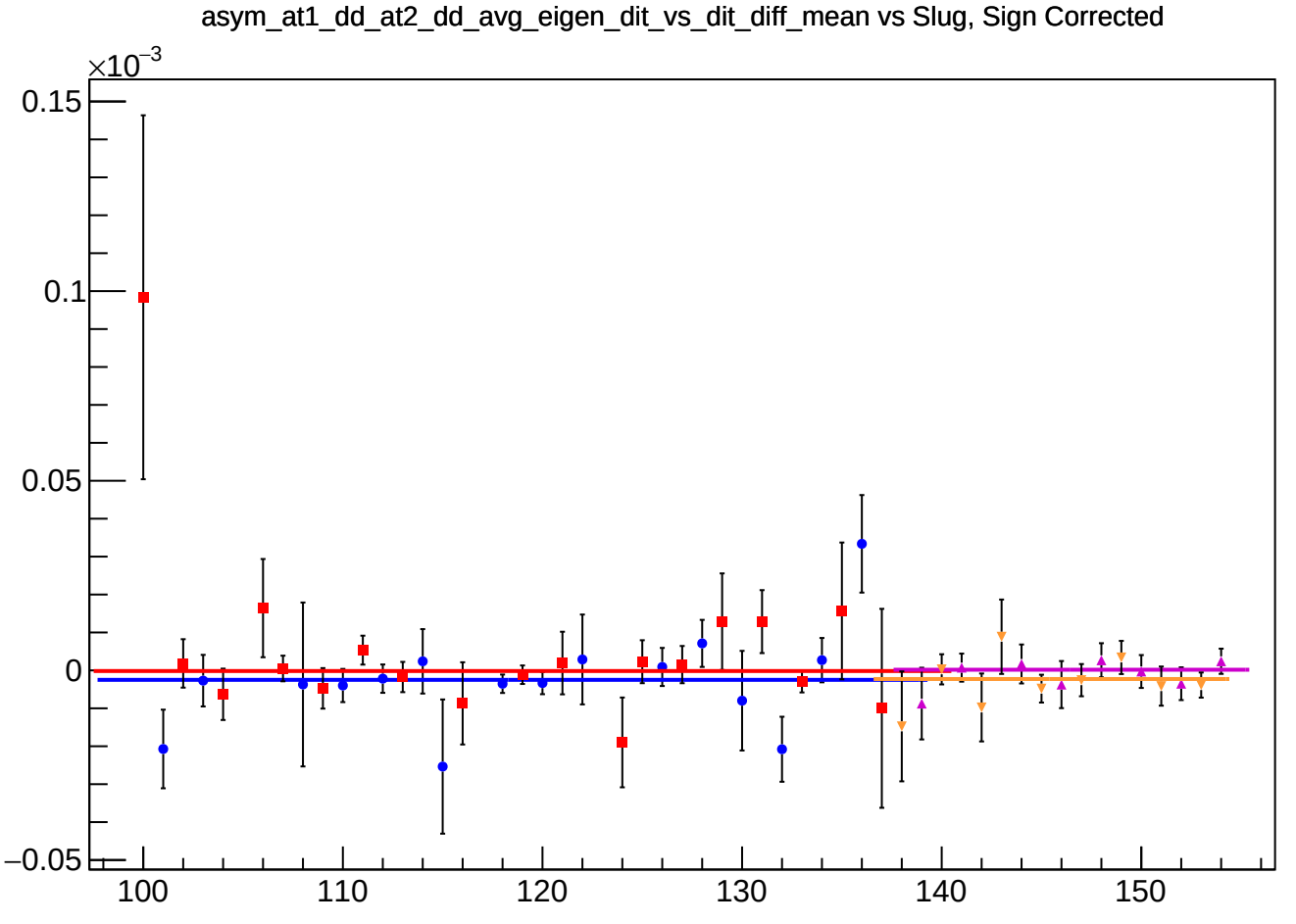
Left: 34.370+/-0.007 χ^2/NDF: 3605996.6/16

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.574+/-0.008 χ^2/NDF:3042676.1/23

Out: 35.685+/-0.008 χ^2/NDF:5802137.6/27

All: 35.627+/-0.006 χ^2/NDF: 8844914.1/51



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:2.9/7

Left: -0.000+/-0.000 χ^2/NDF: 9.8/16

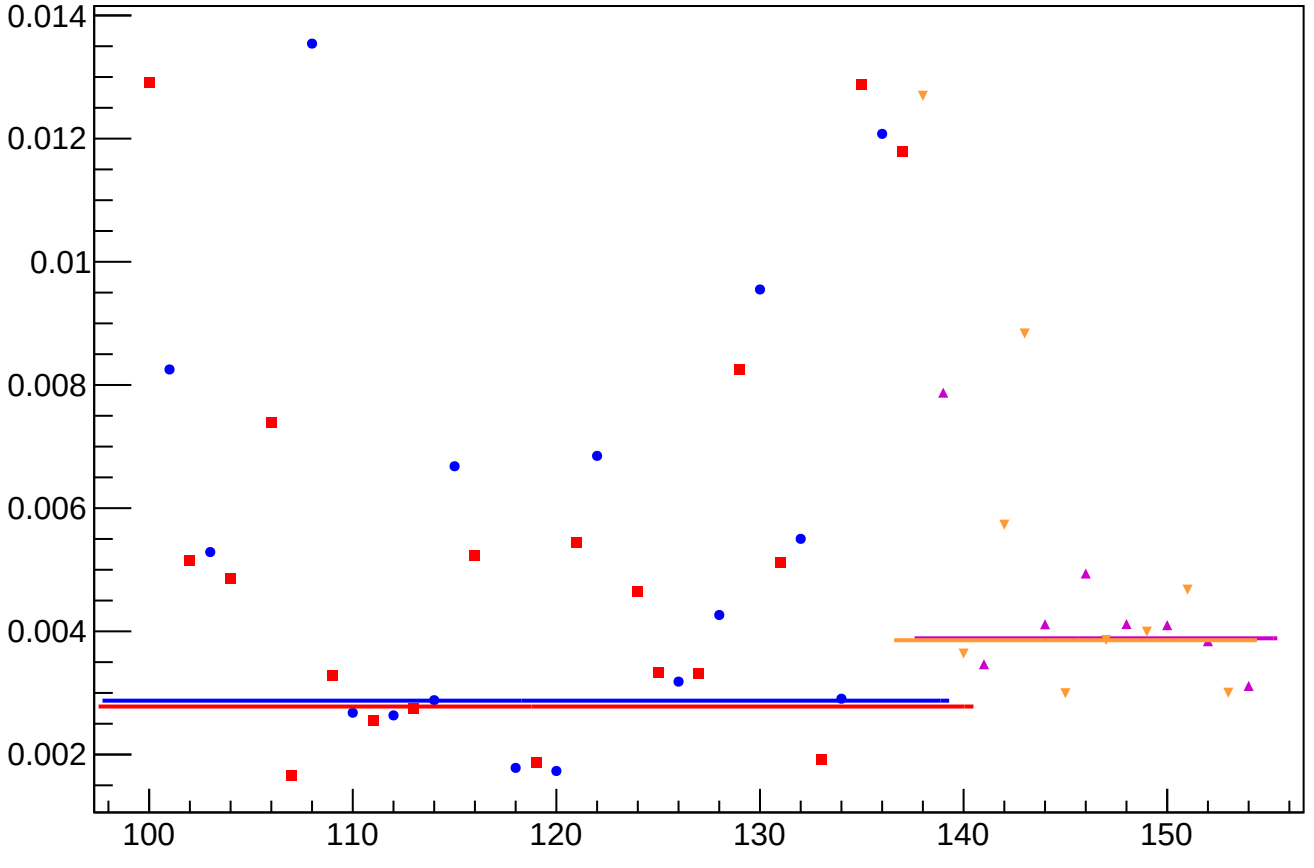
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:26.4/23

Out: -0.000+/-0.000 χ^2/NDF:25.7/27

All: -0.000+/-0.000 χ^2/NDF: 52.2/51

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-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:561970.4/7

Left: 0.004+/-0.000 χ^2/NDF: 2211139.0/16

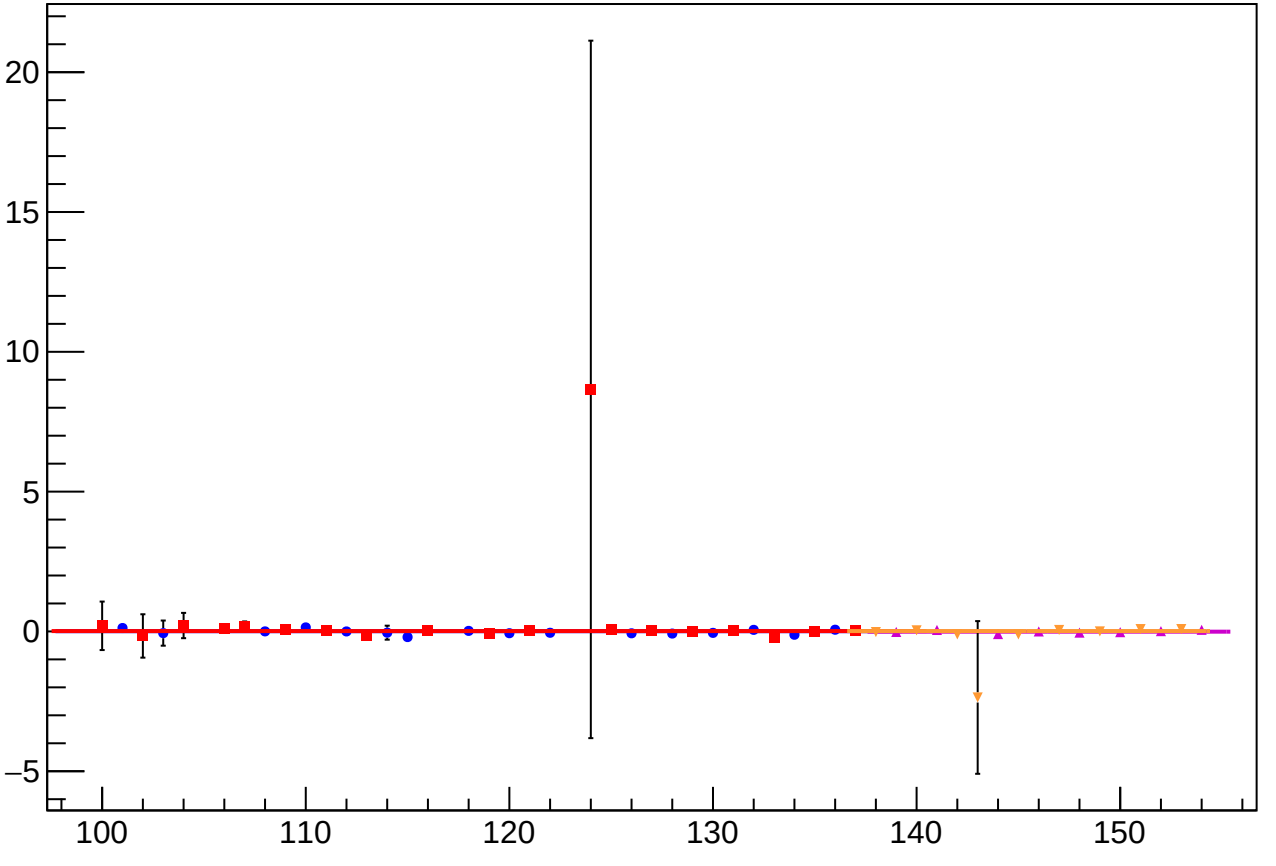
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5198199.0/23

Out: 0.003+/-0.000 χ^2/NDF:5559419.0/27

All: 0.003+/-0.000 χ^2/NDF: 10772472.9/51

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: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.001+/-0.011 χ^2/NDF: 21.1/16

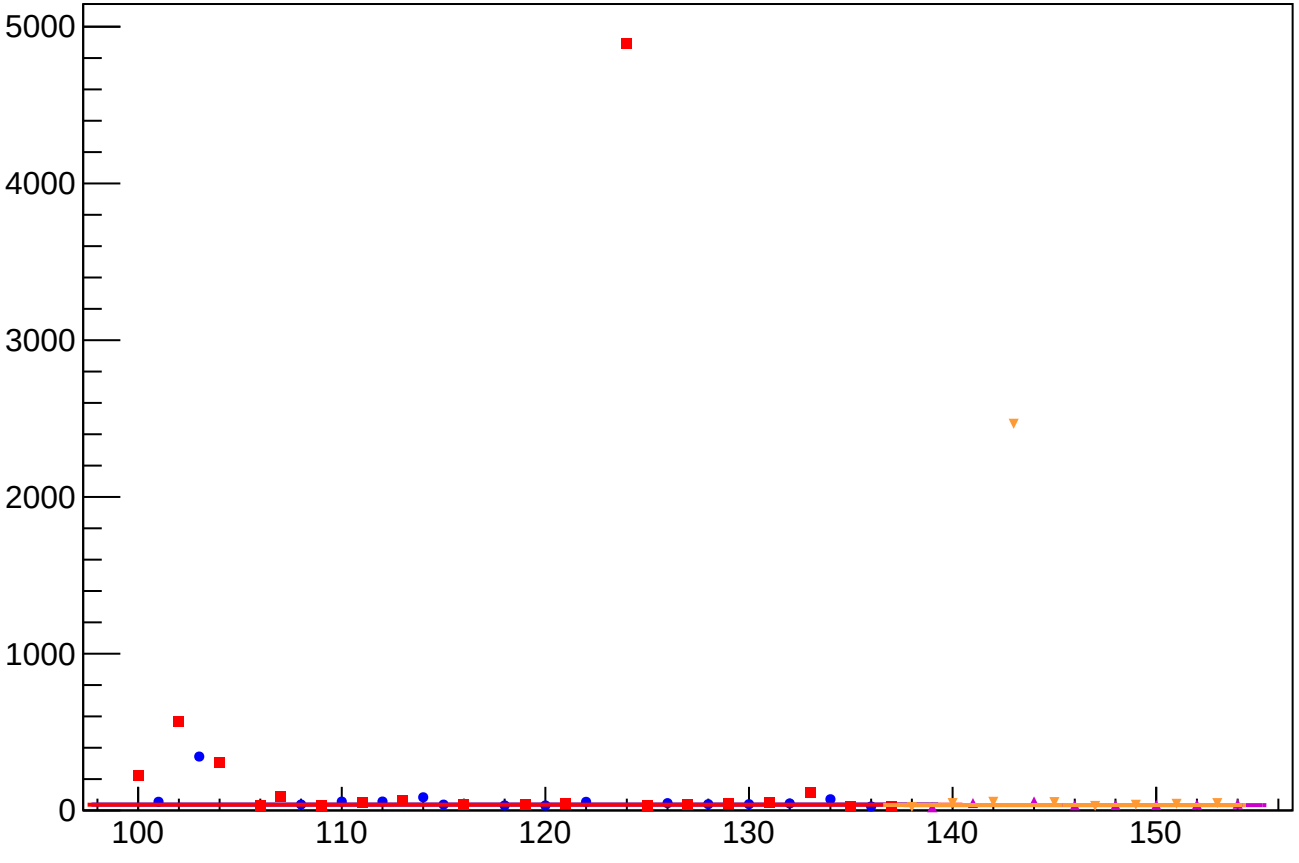
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.013+/-0.011 χ^2/NDF:26.4/27

All: 0.005+/-0.008 χ^2/NDF: 53.3/51

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: 34.045+/-0.010 χ^2/NDF:1007221.1/7

Left: 34.371+/-0.007 χ^2/NDF: 3605486.3/16

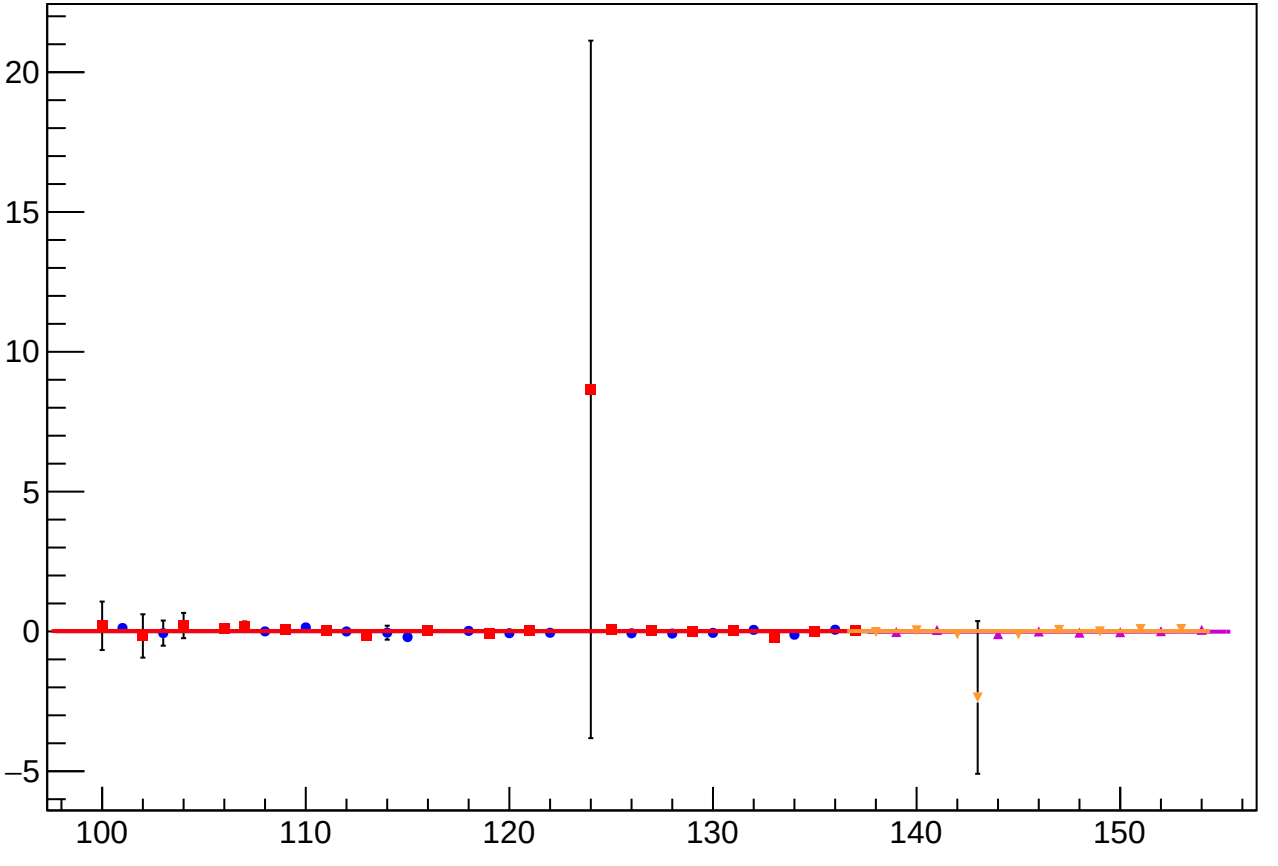
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.577+/-0.008 χ^2/NDF:3041615.1/23

Out: 35.684+/-0.008 χ^2/NDF:5802335.9/27

All: 35.627+/-0.006 χ^2/NDF: 8844045.5/51

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: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.001+/-0.011 χ^2/NDF: 21.1/16

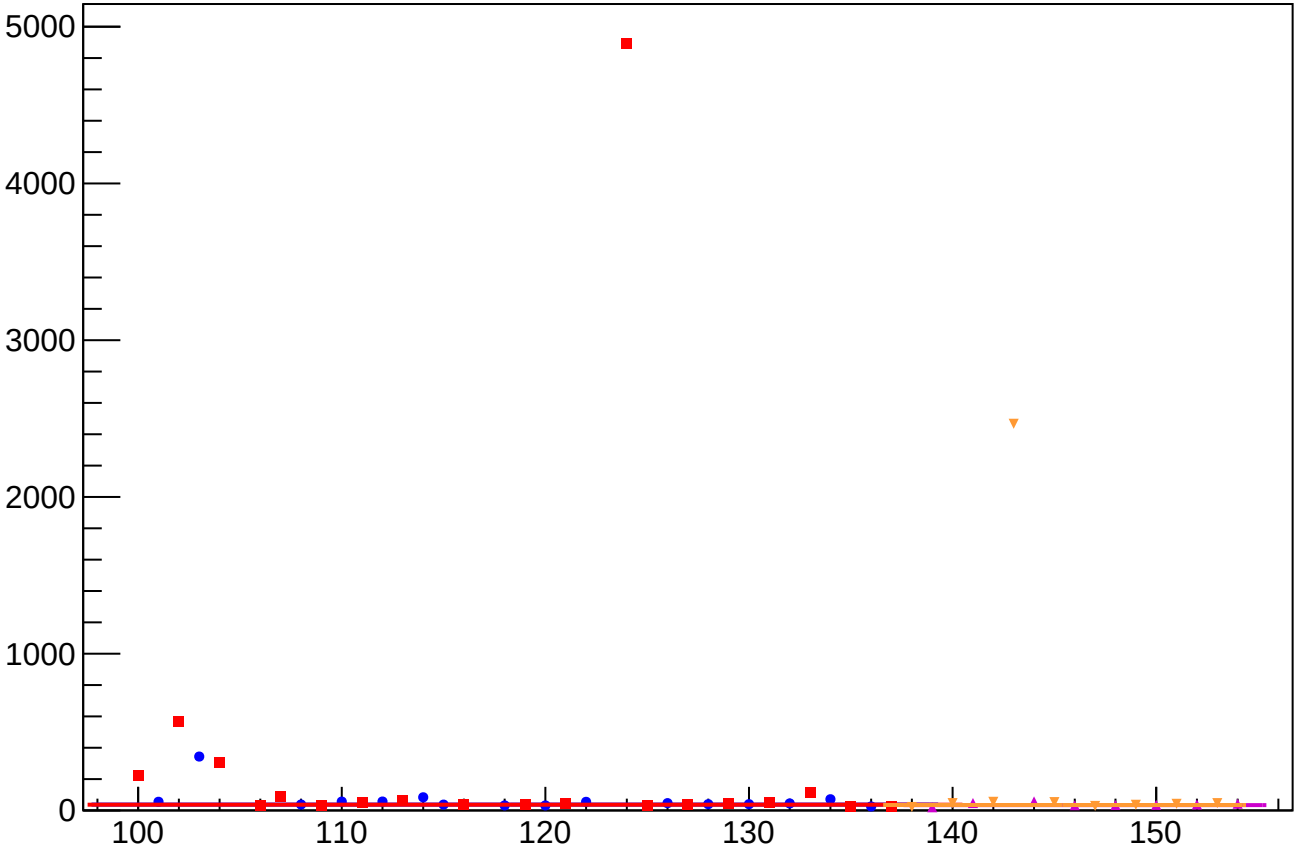
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.013+/-0.011 χ^2/NDF:26.4/27

All: 0.005+/-0.008 χ^2/NDF: 53.3/51

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: 34.045+/-0.010 χ^2/NDF:1007221.1/7

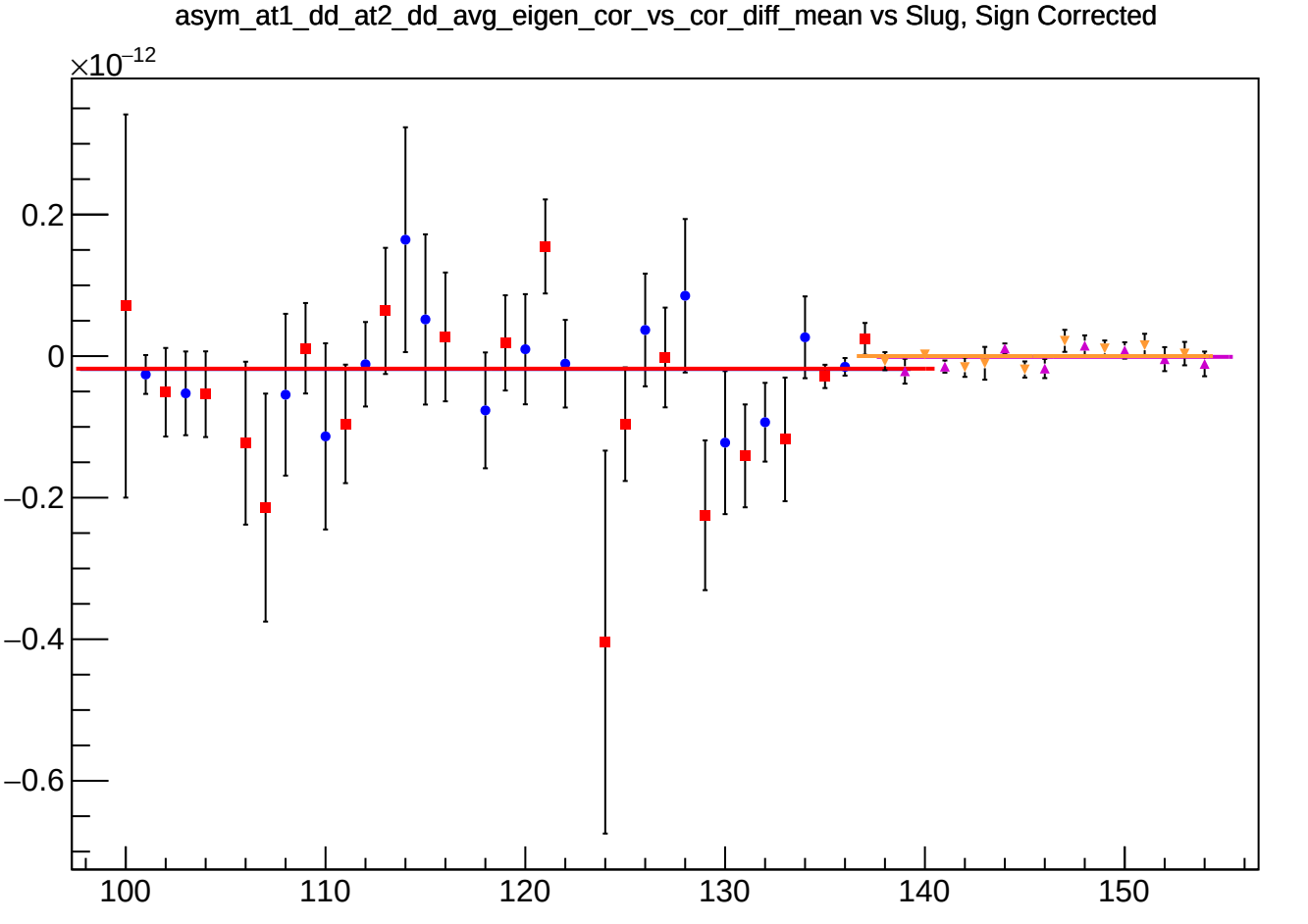
Left: 34.371+/-0.007 χ^2/NDF: 3605486.3/16

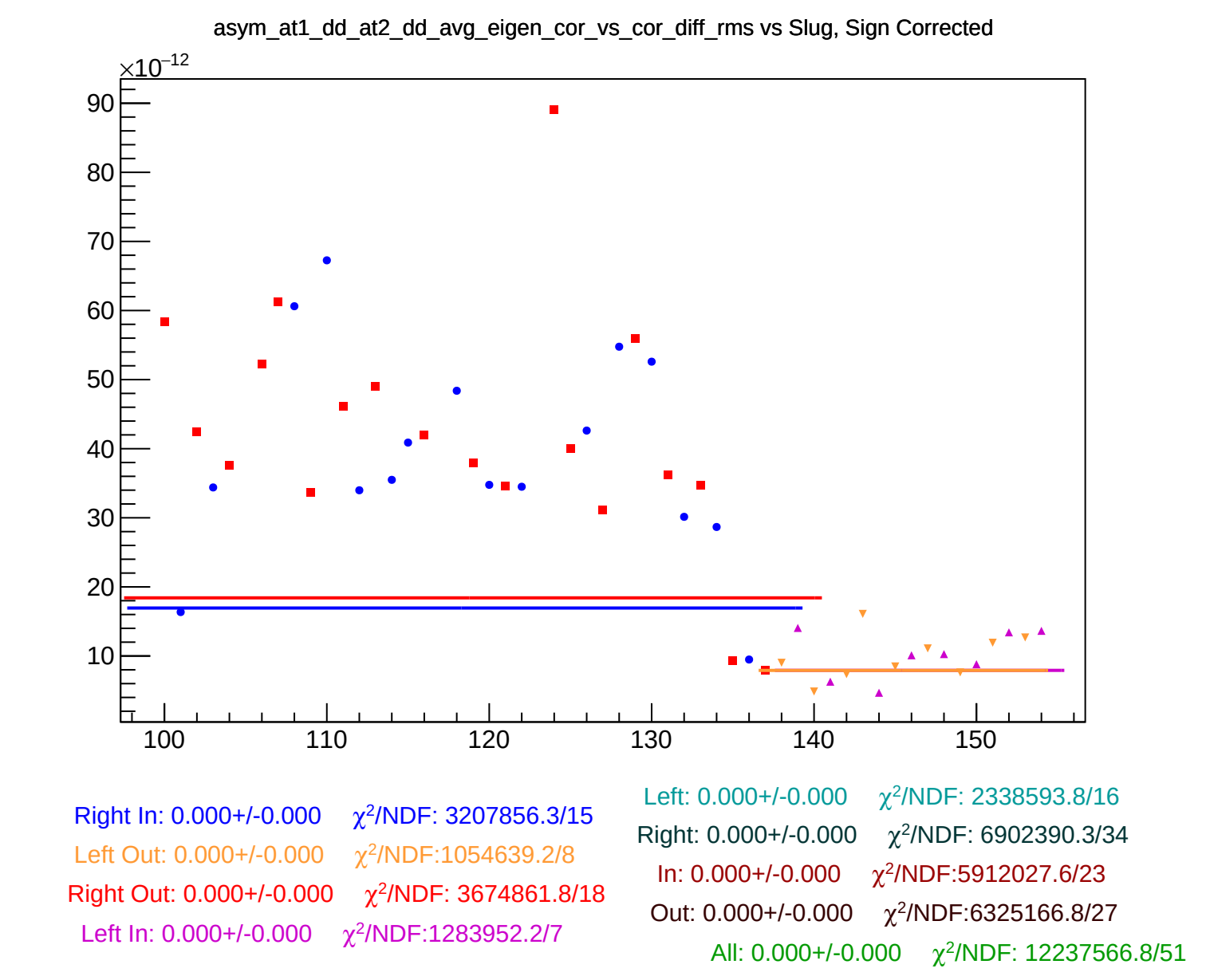
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

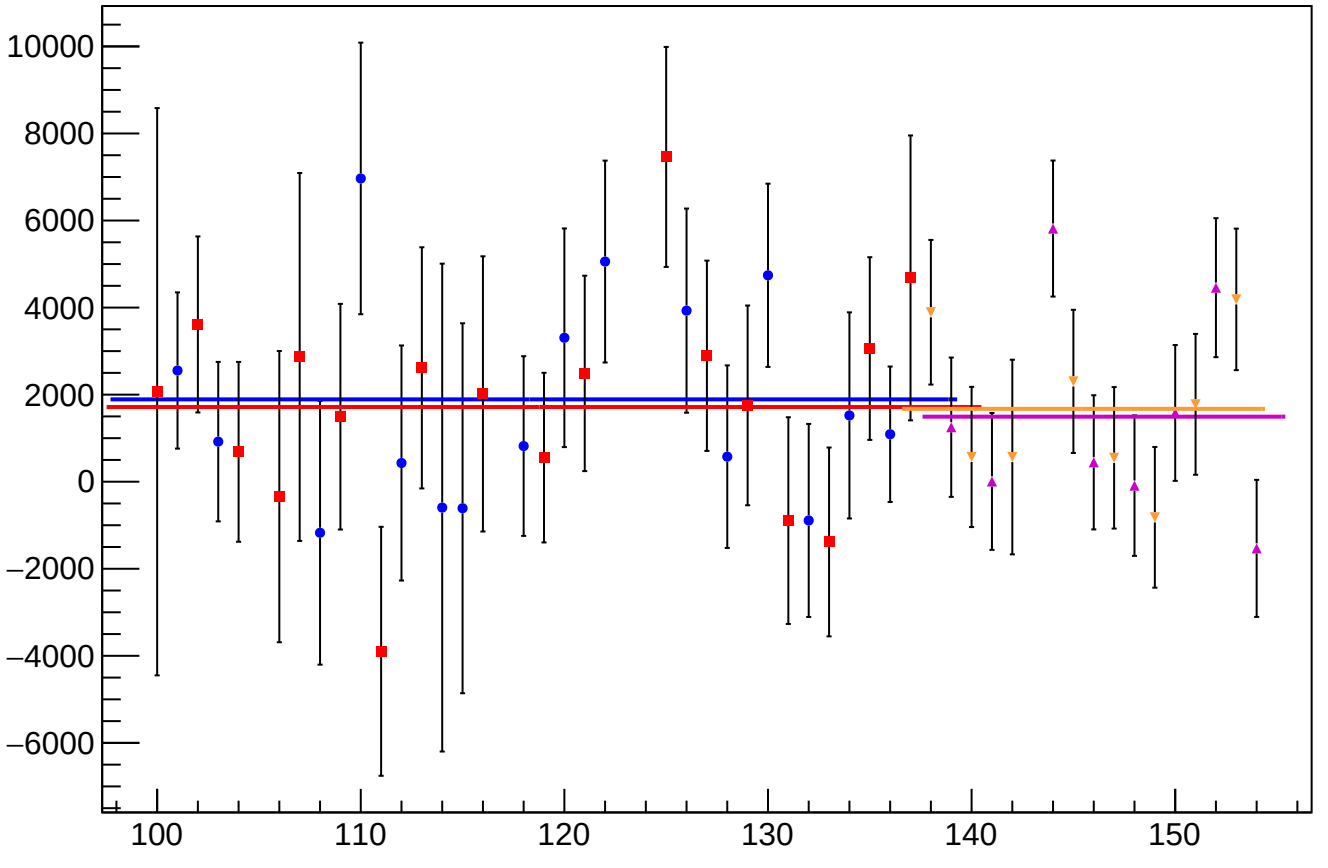
In: 35.577+/-0.008 χ^2/NDF:3041615.1/23

Out: 35.684+/-0.008 χ^2/NDF:5802335.9/27

All: 35.627+/-0.006 χ^2/NDF: 8844045.5/51


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:10.4/7
Left: -0.000+/-0.000 χ²/NDF: 18.9/16
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:21.3/23
Out: -0.000+/-0.000 χ²/NDF:38.0/27
All: -0.000+/-0.000 χ²/NDF: 59.4/51


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:1283952.2/7
Left: 0.000+/-0.000 χ²/NDF: 2338593.8/16
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5912027.6/23
Out: 0.000+/-0.000 χ²/NDF:6325166.8/27
All: 0.000+/-0.000 χ²/NDF: 12237566.8/51



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: 1494.109+/-557.643 χ^2/NDF:17.1/7

Left: 1578.432+/-406.393 χ^2/NDF: 25.1/15

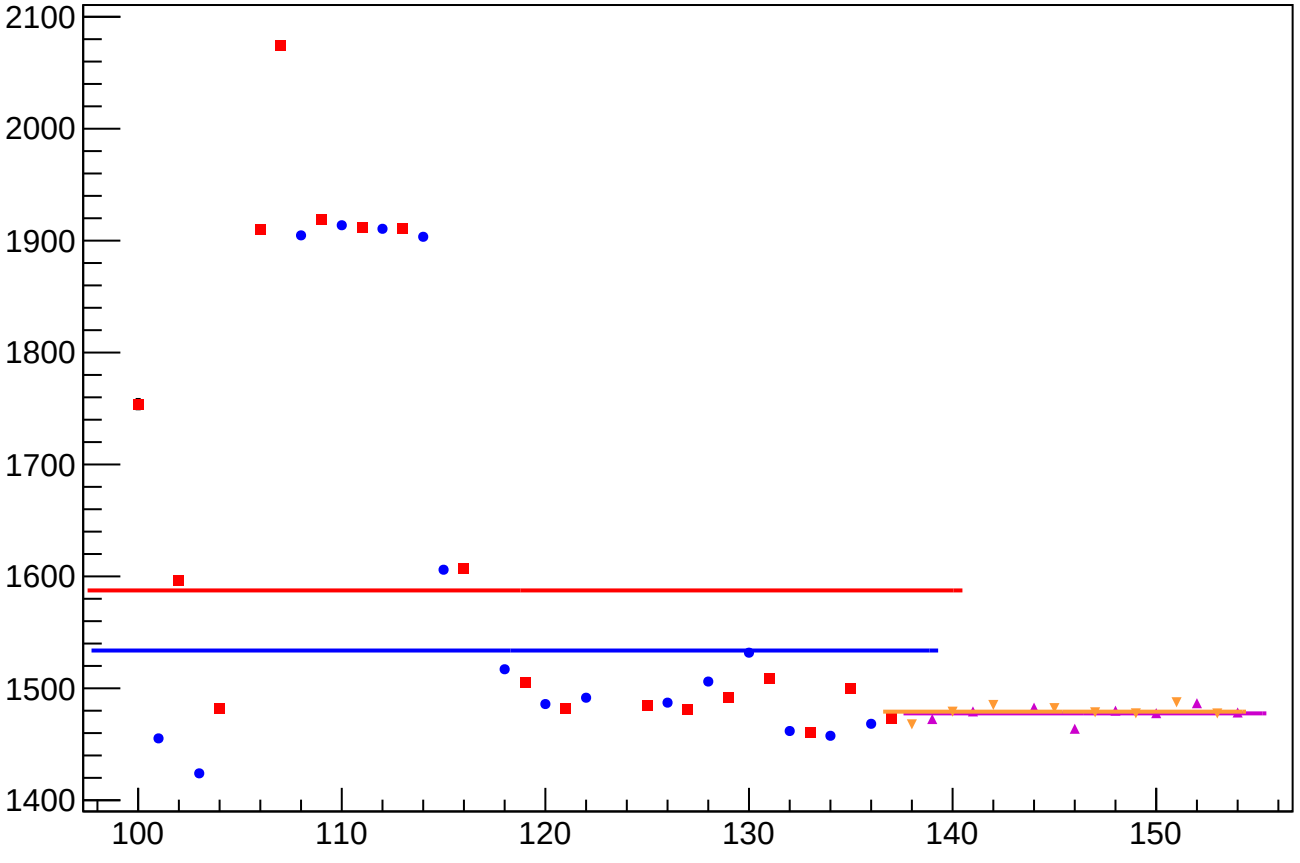
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1687.649+/-399.375 χ^2/NDF:29.6/23

Out: 1695.066+/-418.247 χ^2/NDF:23.9/25

All: 1691.187+/-288.842 χ^2/NDF: 53.5/49

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: 1477.610+/-0.394 χ^2/NDF:272.6/7

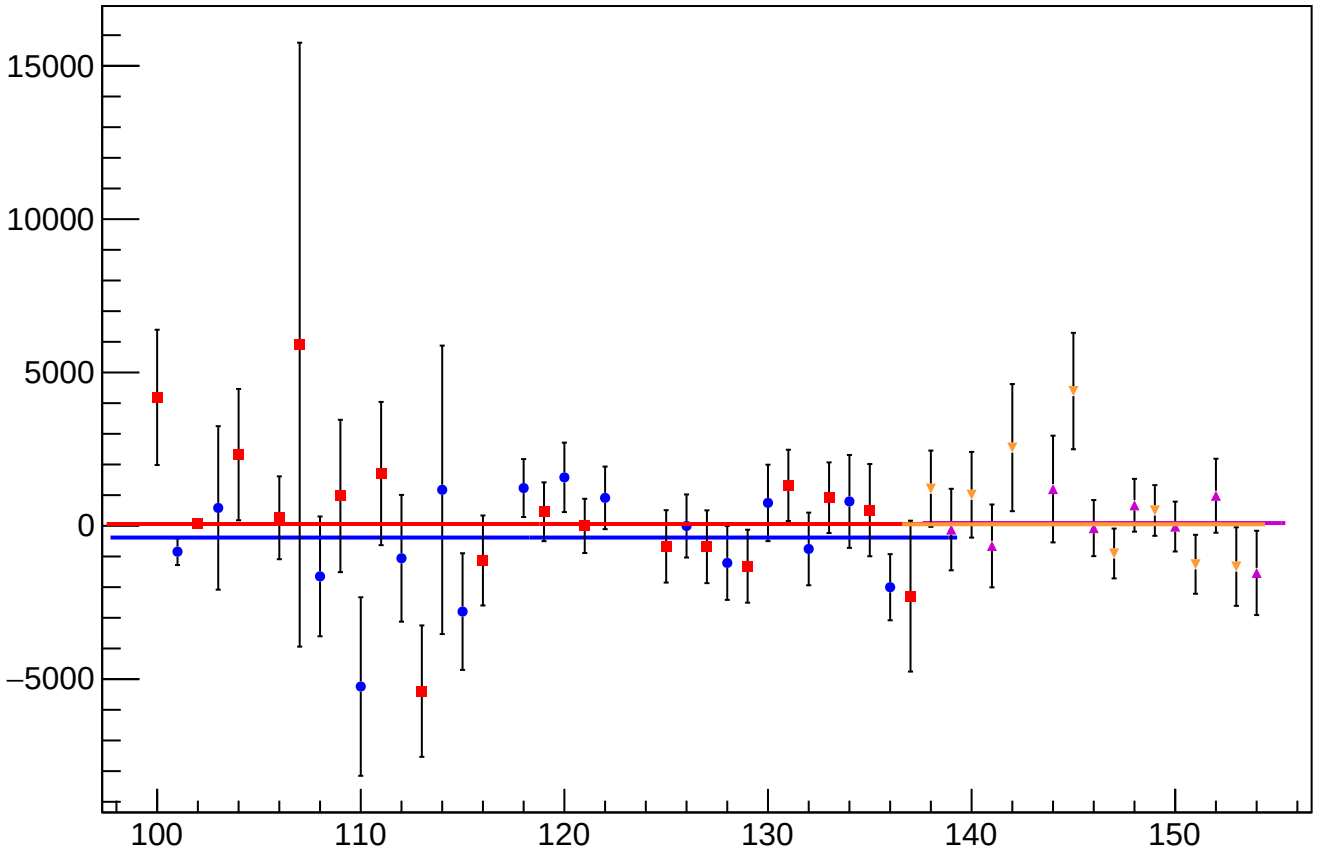
Left: 1478.331+/-0.287 χ^2/NDF: 452.4/15

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1504.965+/-0.282 χ^2/NDF:139424.7/23

Out: 1533.668+/-0.296 χ^2/NDF:205692.1/25

All: 1518.654+/-0.204 χ^2/NDF: 350043.7/49



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: 90.527+/-385.836 χ^2/NDF:3.2/7

Left: 70.600+/-276.749 χ^2/NDF: 15.9/15

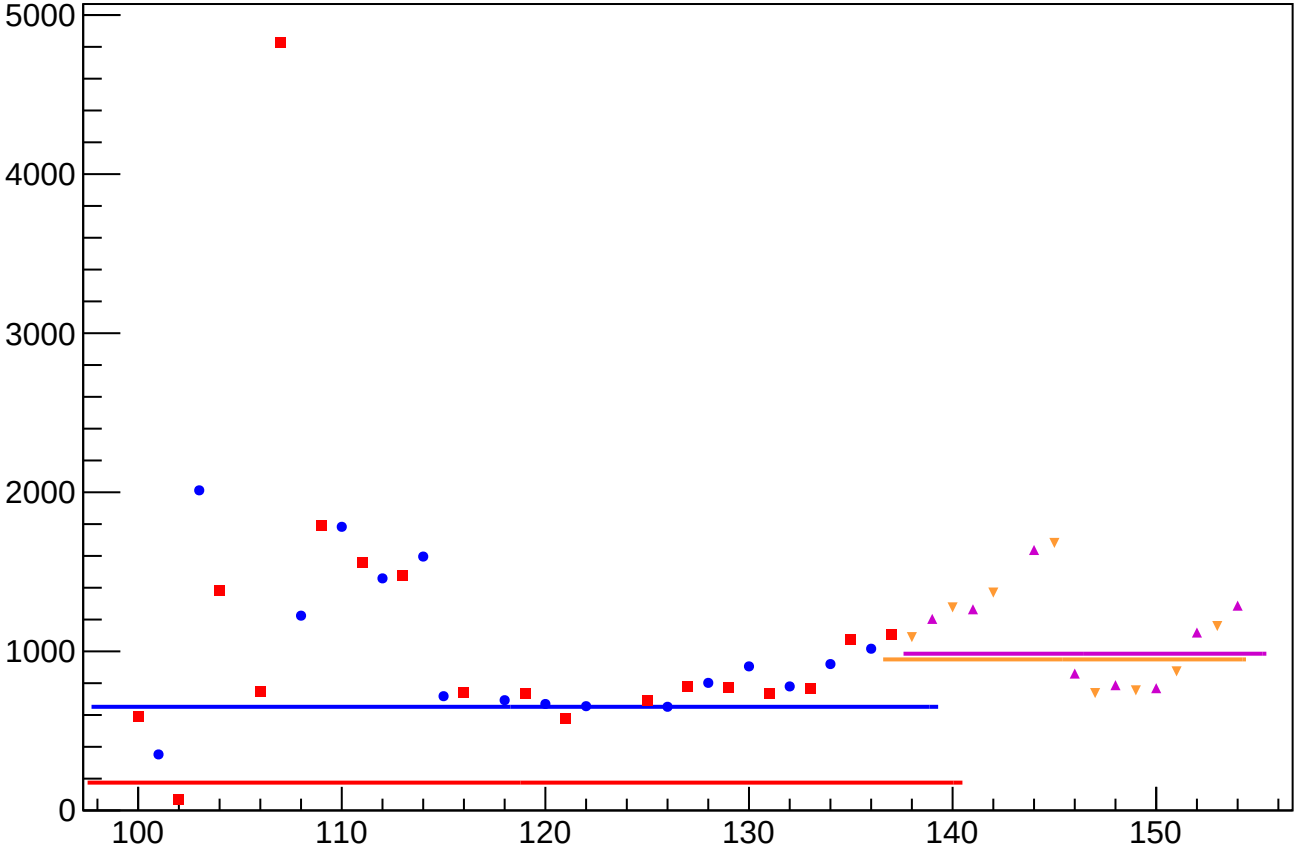
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -225.493+/-222.426 χ^2/NDF:22.4/23

Out: 58.988+/-121.571 χ^2/NDF:30.5/25

All: -6.449+/-106.677 χ^2/NDF: 54.1/49

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 949.442+/-0.281 χ^2/NDF:826696.8/7

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 985.308+/-0.273 χ^2/NDF:826401.6/7

Left: 967.895+/-0.196 χ^2/NDF: 1661489.4/15

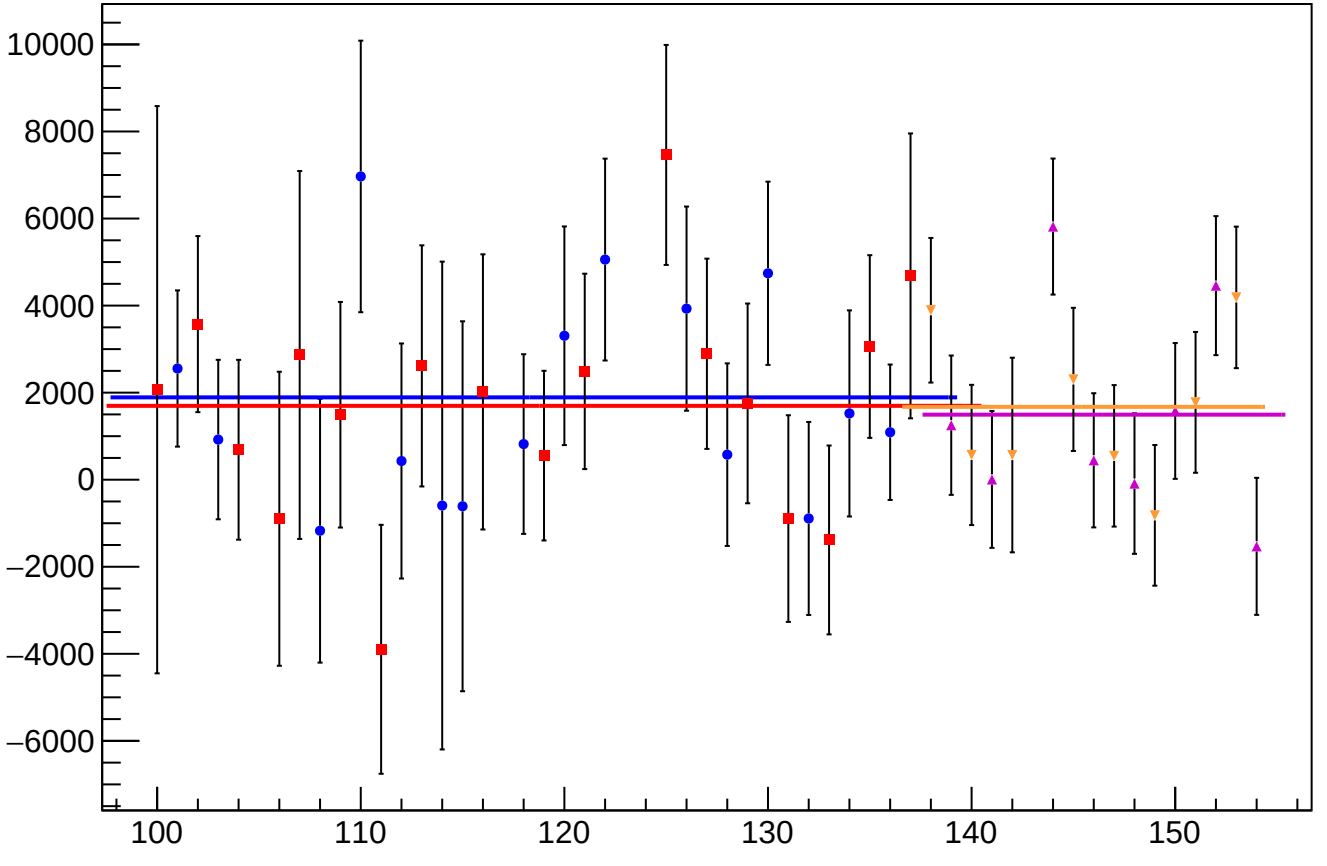
Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 762.449+/-0.157 χ^2/NDF:4588423.9/23

Out: 247.466+/-0.086 χ^2/NDF:17481329.3/25

All: 365.923+/-0.075 χ^2/NDF: 30324886.5/49

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



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: 1494.300+/-557.643 χ^2/NDF:17.1/7

Left: 1578.474+/-406.393 χ^2/NDF: 25.1/15

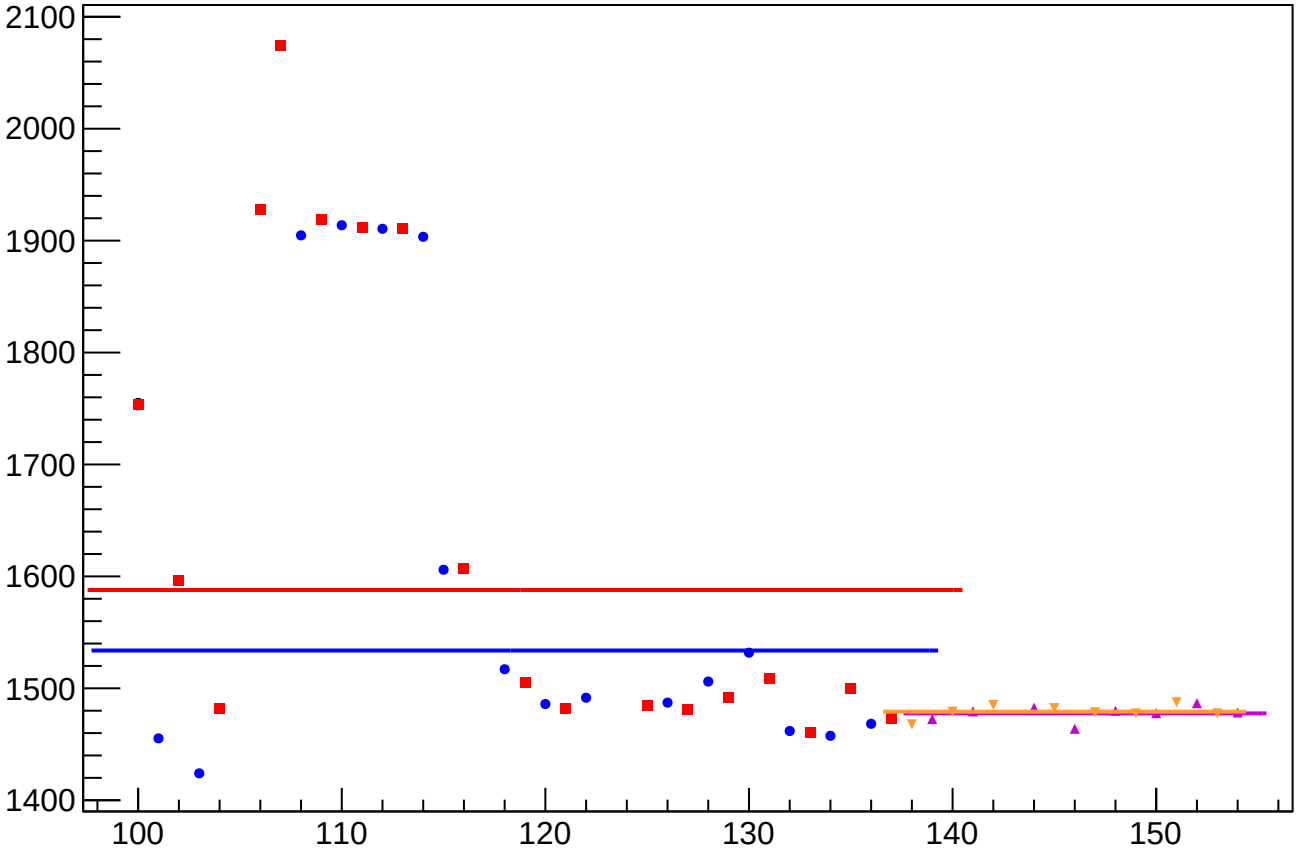
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1687.798+/-399.375 χ^2/NDF:29.6/23

Out: 1685.475+/-418.311 χ^2/NDF:24.1/25

All: 1686.690+/-288.863 χ^2/NDF: 53.7/49

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: 1477.610+/-0.394 χ^2/NDF:272.6/7

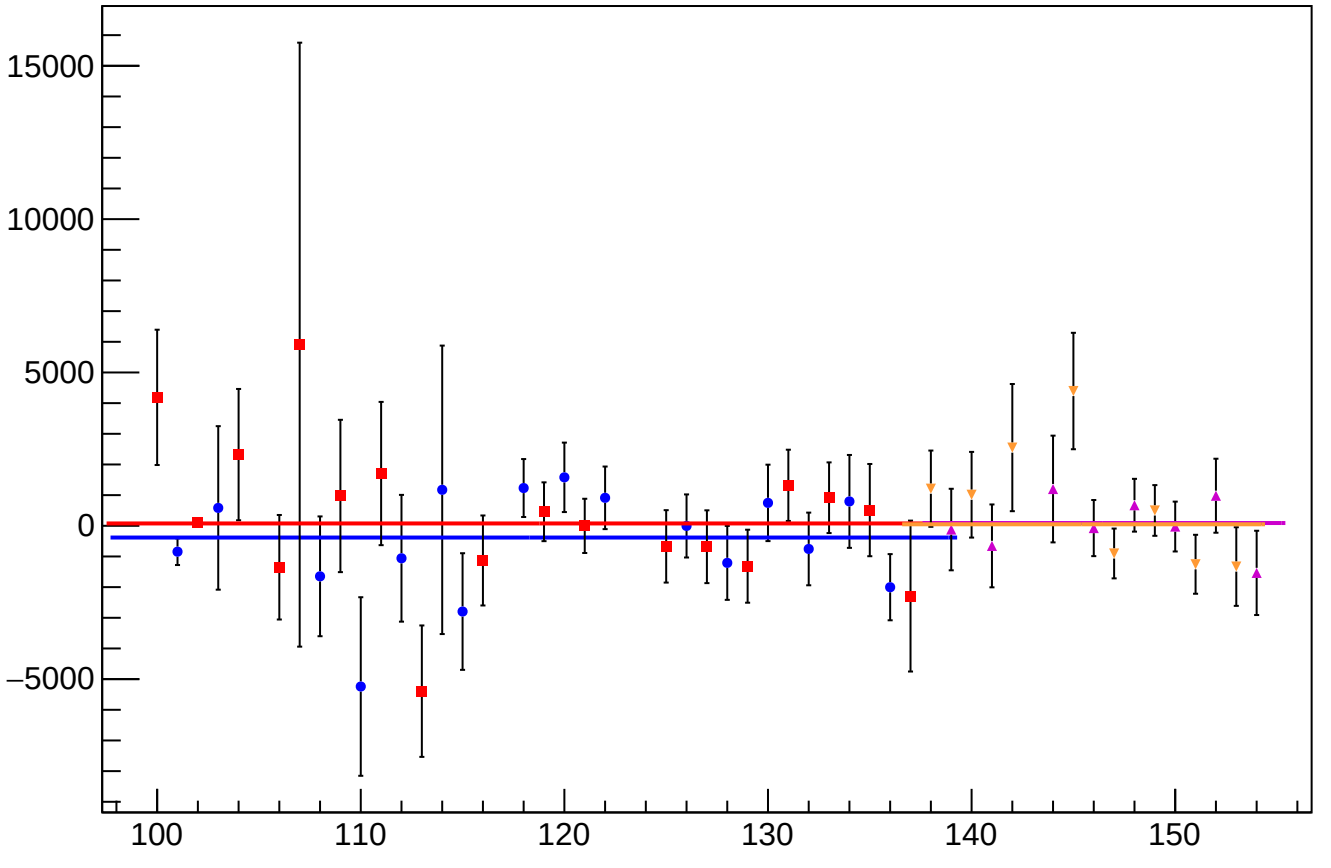
Left: 1478.331+/-0.287 χ^2/NDF: 452.4/15

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1504.965+/-0.282 χ^2/NDF:139424.7/23

Out: 1533.845+/-0.296 χ^2/NDF:207699.1/25

All: 1518.736+/-0.204 χ^2/NDF: 352110.8/49



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: 90.621+/-385.835 χ^2/NDF:3.2/7

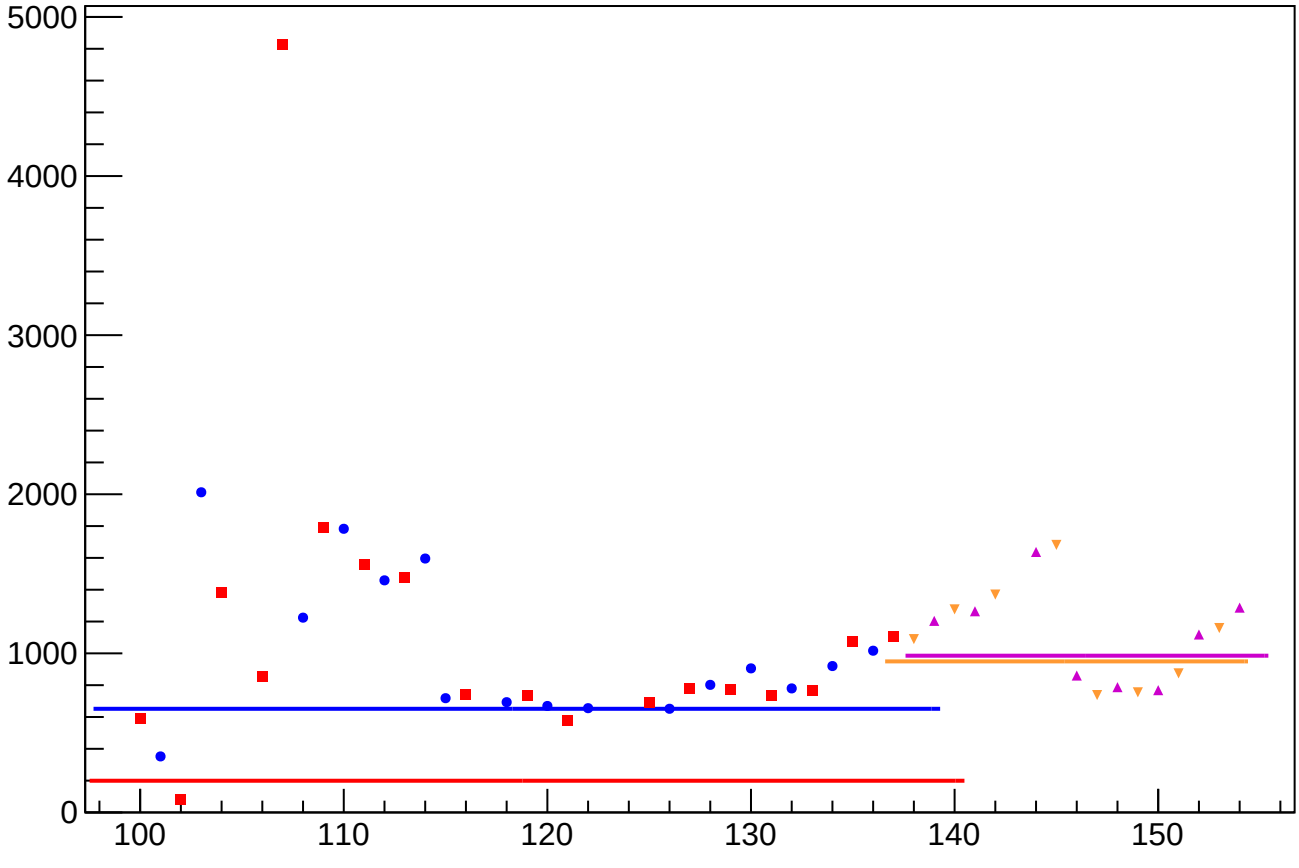
Left: 70.546+/-276.750 χ^2/NDF: 15.9/15

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -225.444+/-222.425 χ^2/NDF:22.4/23

Out: 73.789+/-130.471 χ^2/NDF:31.2/25

All: -2.814+/-112.539 χ^2/NDF: 54.9/49



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: 985.306+/-0.273 χ^2/NDF:826439.8/7

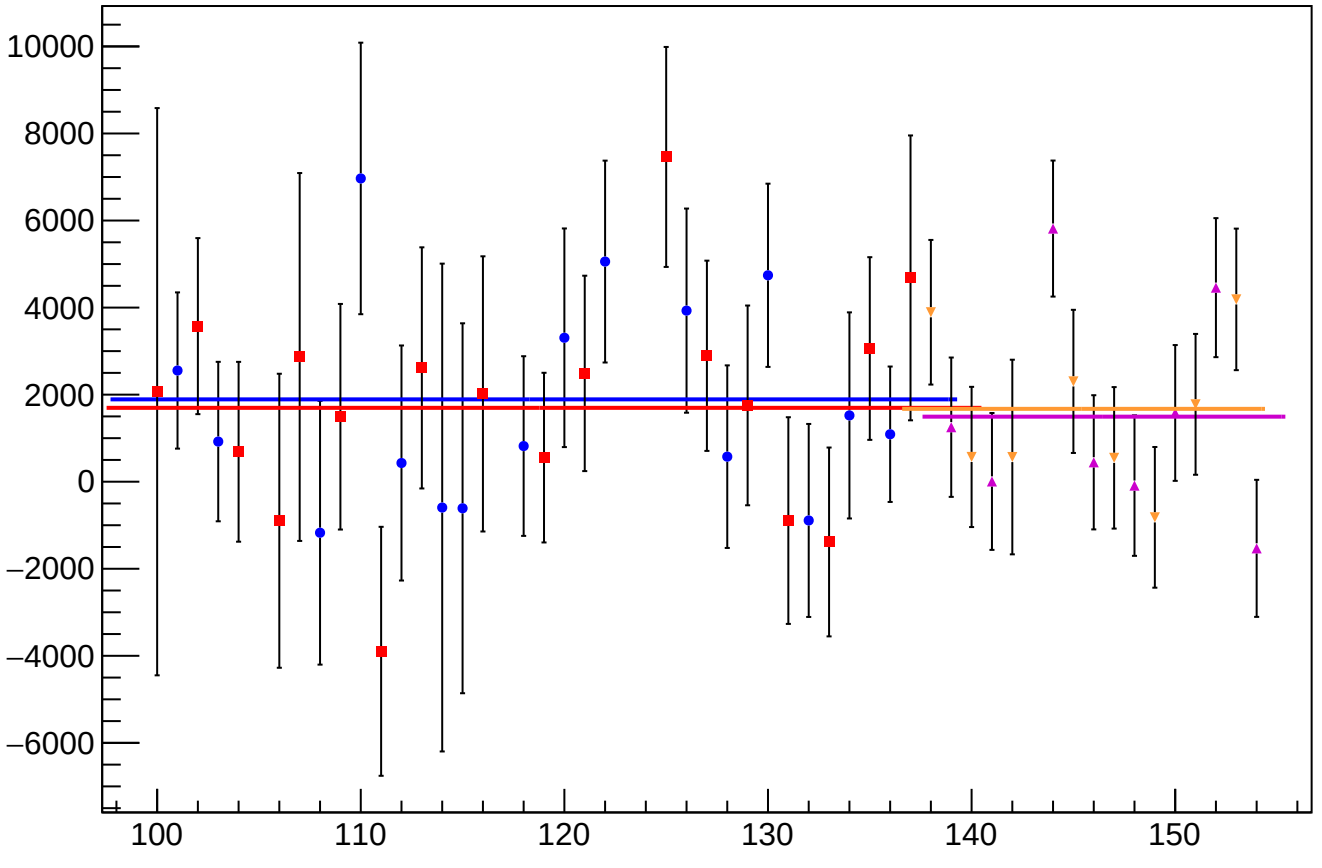
Left: 967.898+/-0.196 χ^2/NDF: 1661502.2/15

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 762.447+/-0.157 χ^2/NDF:4588485.3/23

Out: 280.287+/-0.092 χ^2/NDF:16475237.9/25

All: 403.719+/-0.080 χ^2/NDF: 28055981.5/49



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: 1494.300+/-557.643 χ^2/NDF:17.1/7

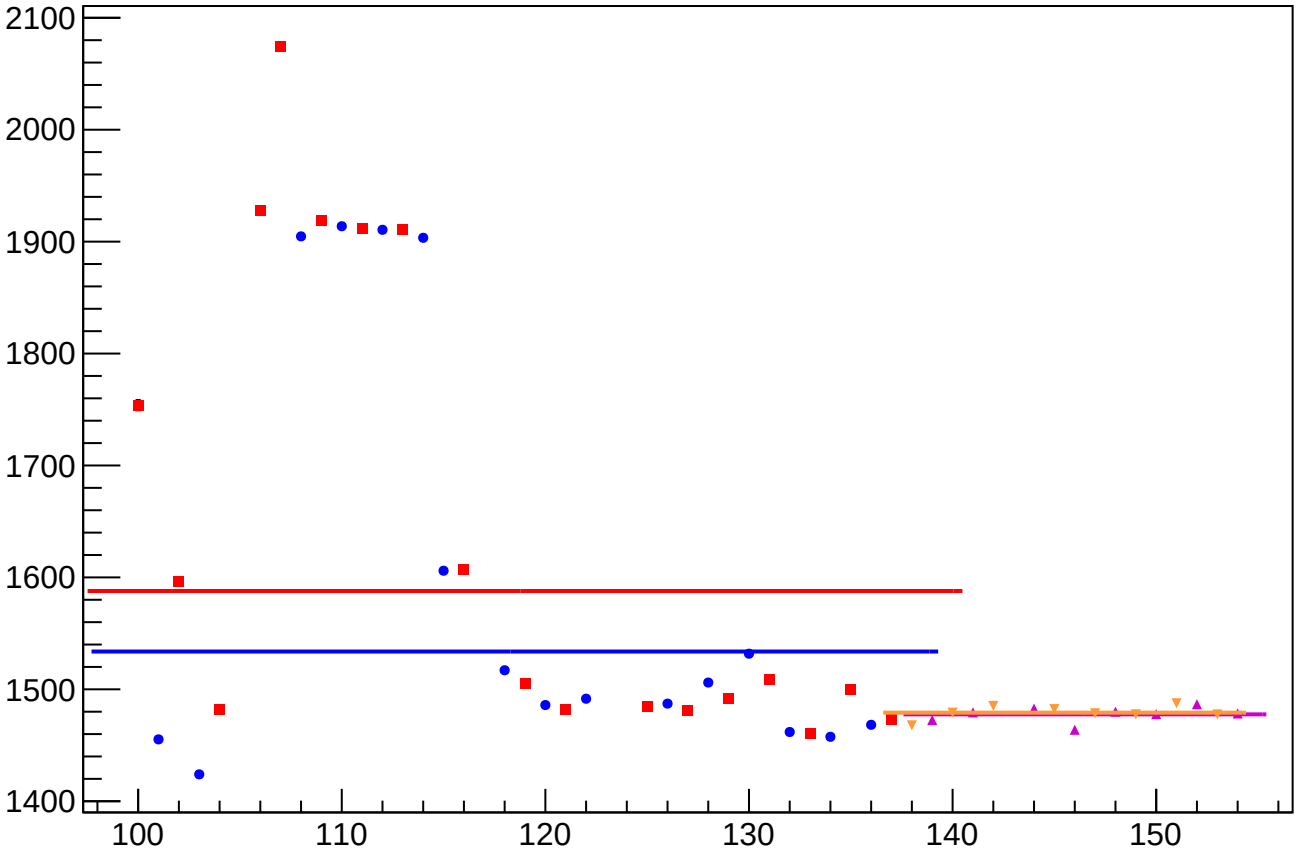
Left: 1578.474+/-406.393 χ^2/NDF: 25.1/15

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1687.798+/-399.375 χ^2/NDF:29.6/23

Out: 1685.475+/-418.311 χ^2/NDF:24.1/25

All: 1686.690+/-288.863 χ^2/NDF: 53.7/49



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: 1477.610+/-0.394 χ^2/NDF:272.6/7

Left: 1478.331+/-0.287 χ^2/NDF: 452.4/15

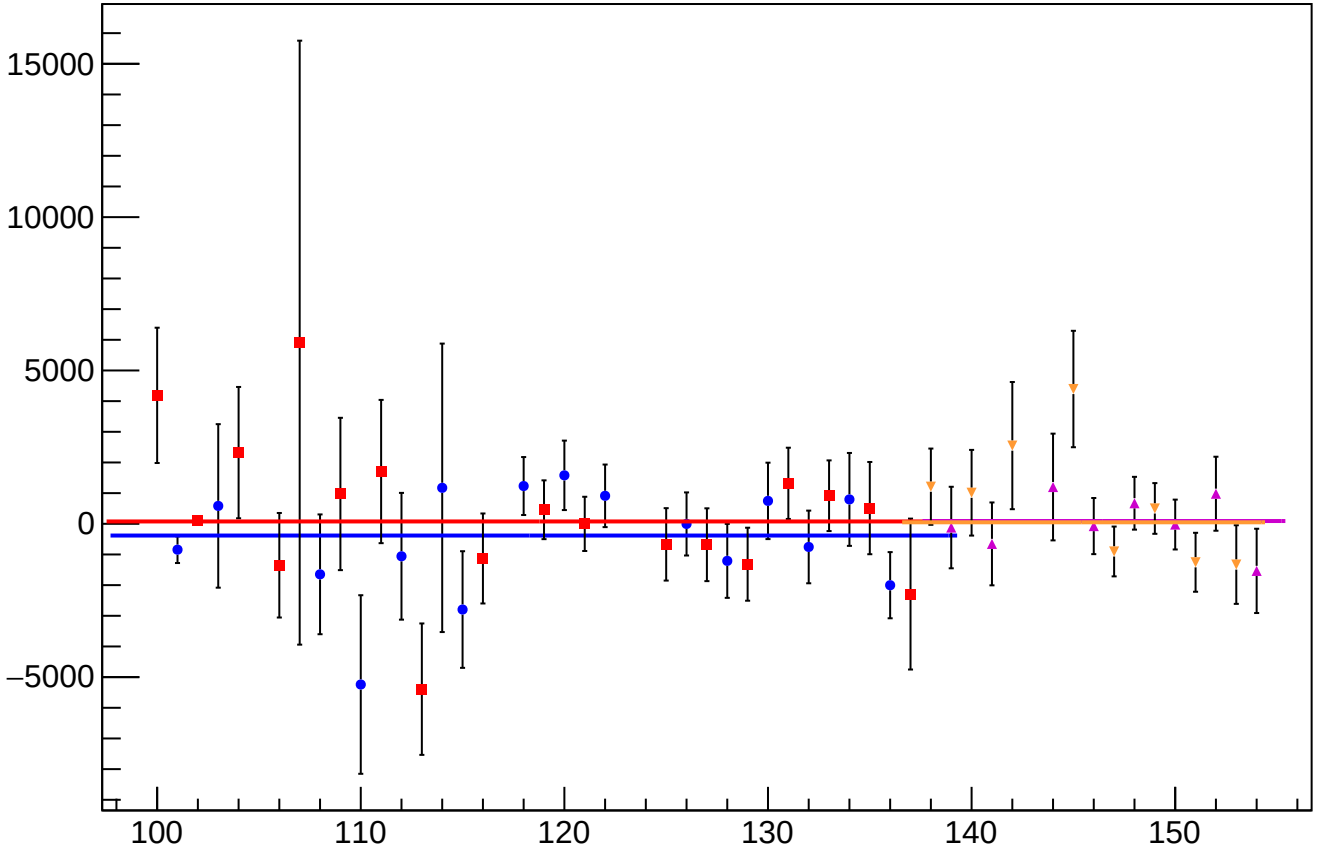
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1504.965+/-0.282 χ^2/NDF:139424.7/23

Out: 1533.845+/-0.296 χ^2/NDF:207699.1/25

All: 1518.736+/-0.204 χ^2/NDF: 352110.8/49

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 49.273+/-397.179 χ^2/NDF:12.7/7

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 90.621+/-385.835 χ^2/NDF:3.2/7

Left: 70.546+/-276.750 χ^2/NDF: 15.9/15

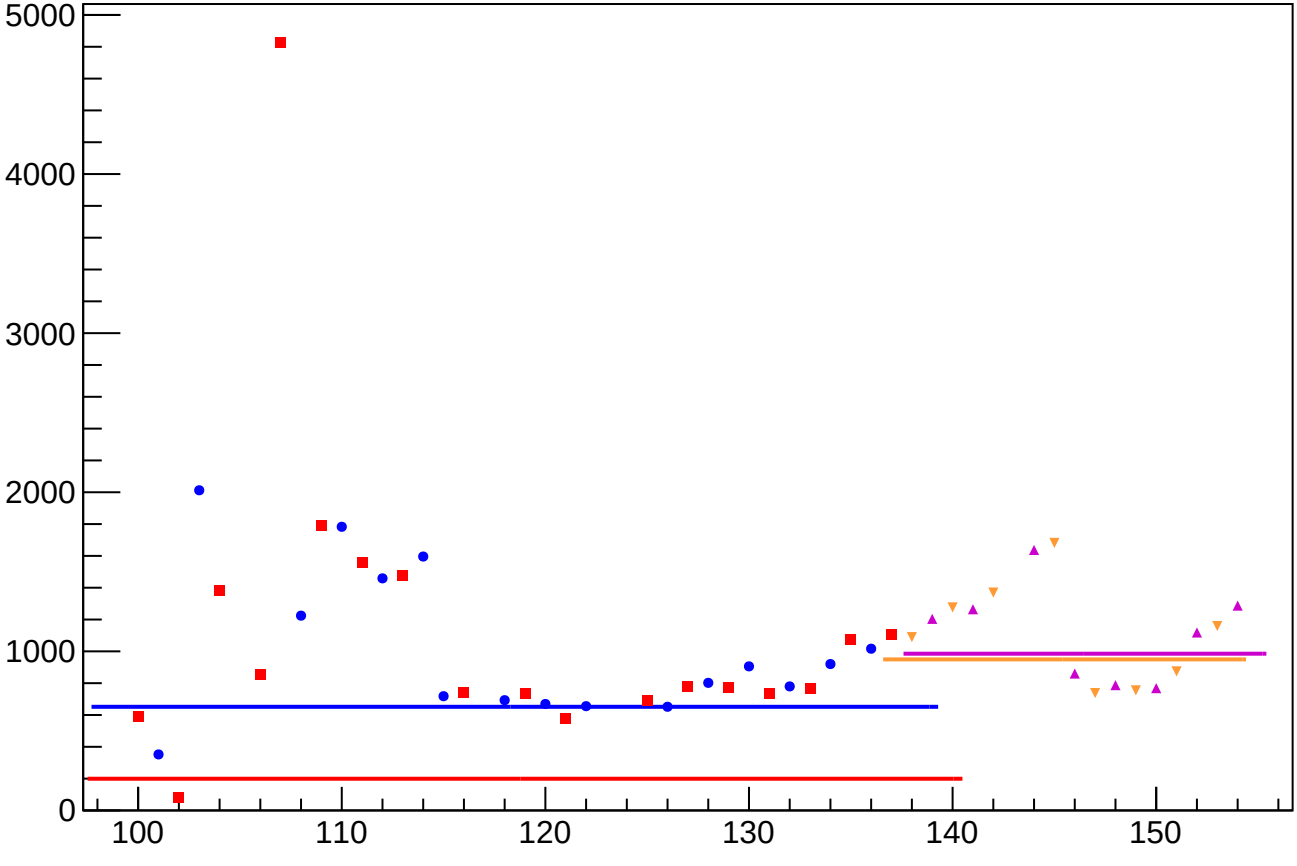
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -225.444+/-222.425 χ^2/NDF:22.4/23

Out: 73.789+/-130.471 χ^2/NDF:31.2/25

All: -2.814+/-112.539 χ^2/NDF: 54.9/49

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: 985.306+/-0.273 χ^2/NDF:826439.8/7

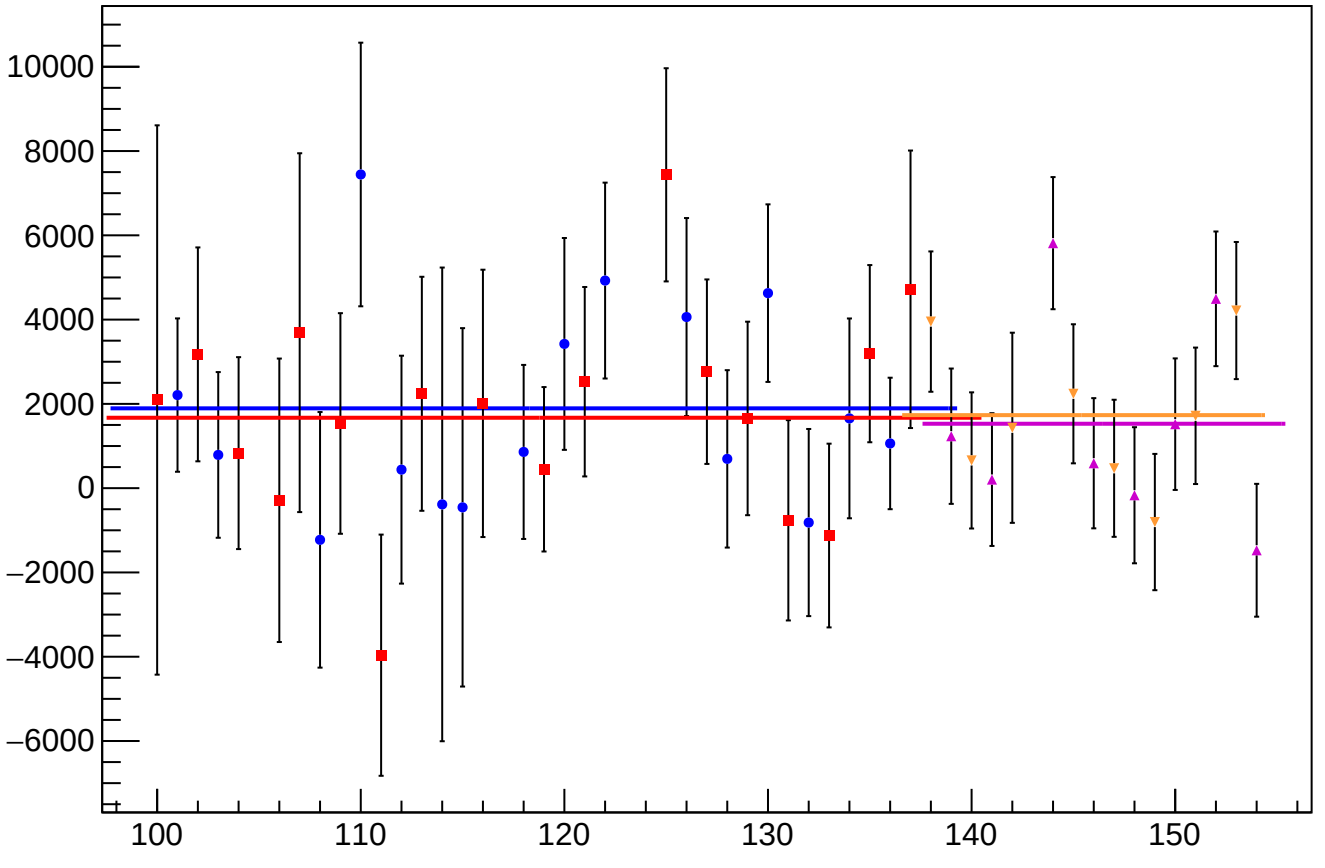
Left: 967.898+/-0.196 χ^2/NDF: 1661502.2/15

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 762.447+/-0.157 χ^2/NDF:4588485.3/23

Out: 280.287+/-0.092 χ^2/NDF:16475237.9/25

All: 403.719+/-0.080 χ^2/NDF: 28055981.5/49



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: 1528.567+/-558.600 χ^2/NDF:16.8/7

Left: 1624.399+/-407.172 χ^2/NDF: 24.5/15

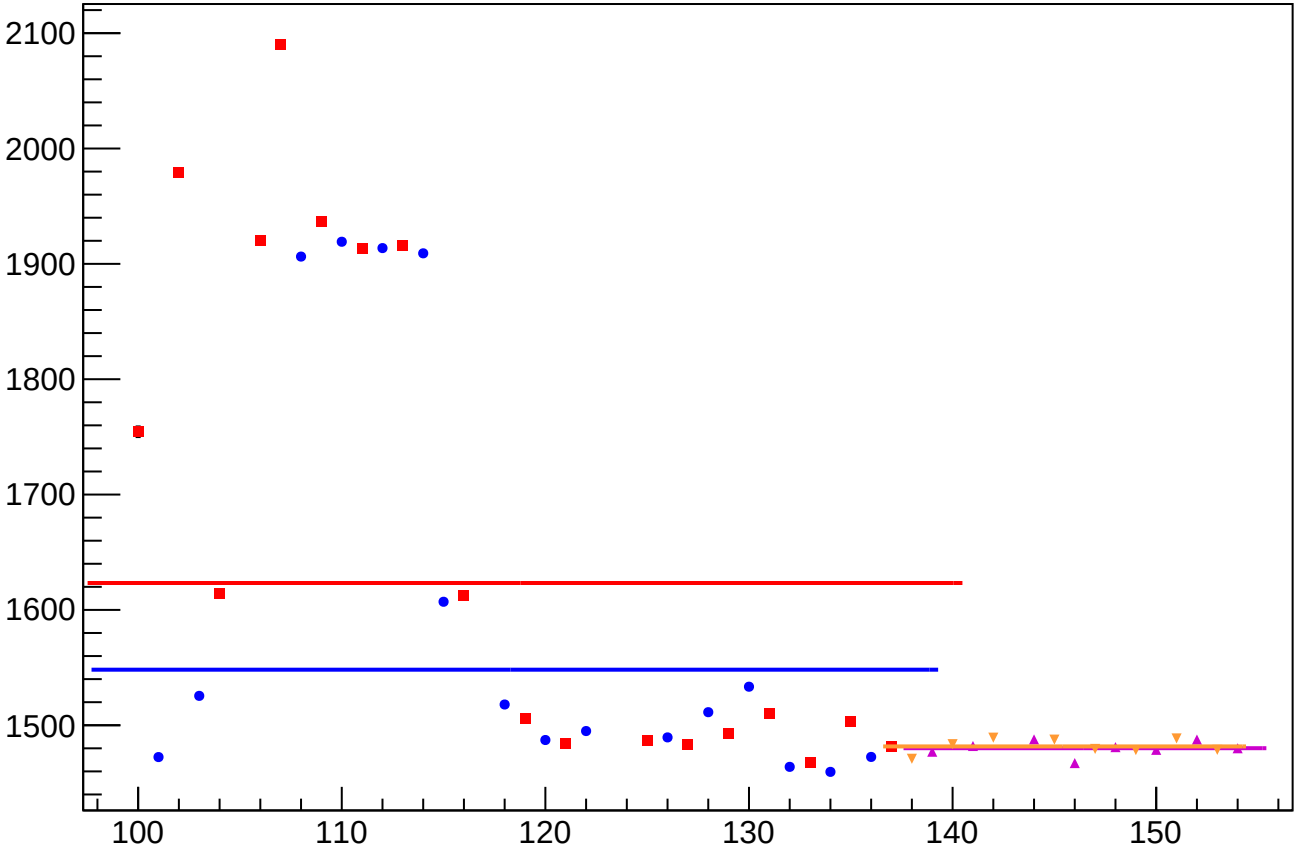
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1705.247+/-401.549 χ^2/NDF:29.2/23

Out: 1702.508+/-424.076 χ^2/NDF:22.8/25

All: 1703.952+/-291.577 χ^2/NDF: 52.0/49

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: 1480.113+/-0.395 χ^2/NDF:243.1/7

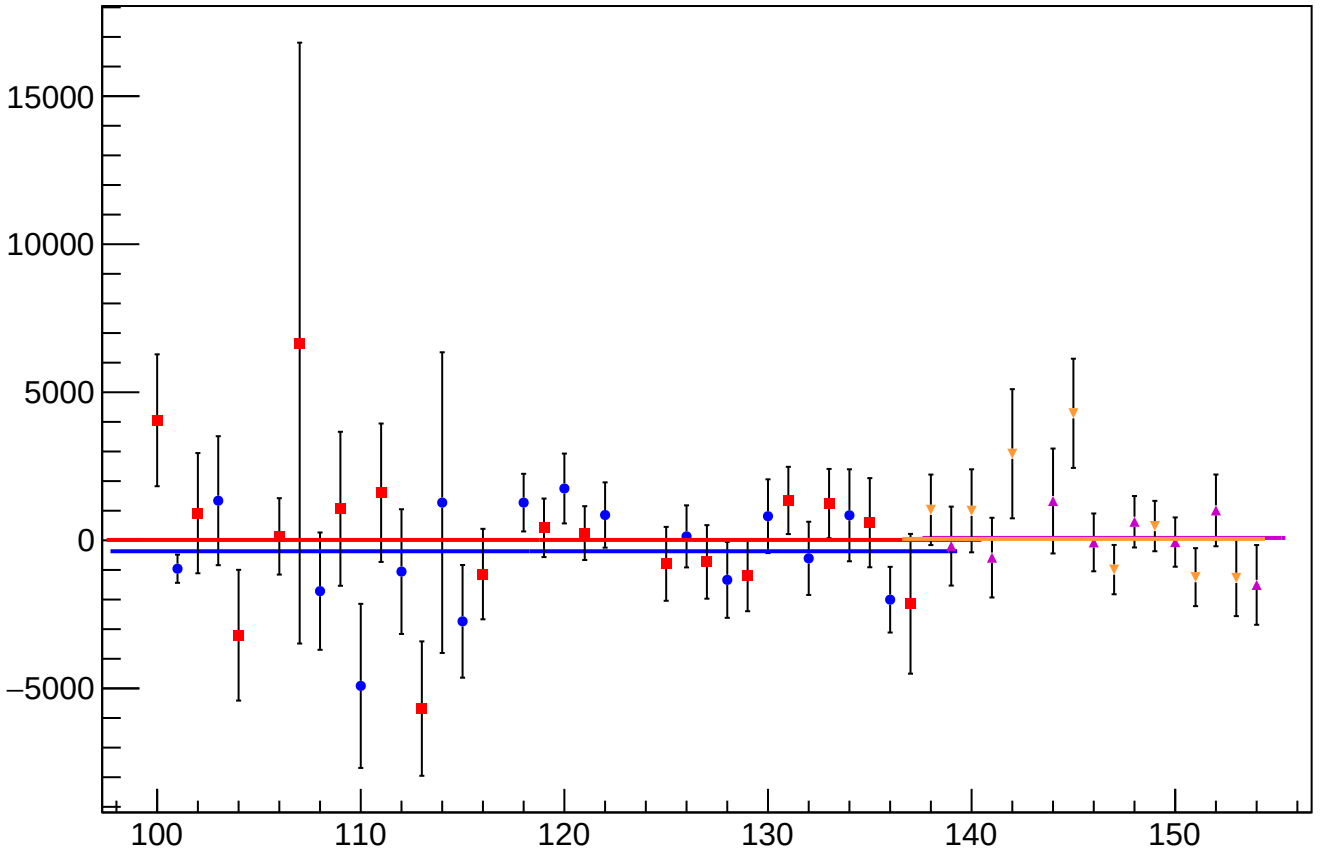
Left: 1480.836+/-0.288 χ^2/NDF: 438.7/15

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1513.004+/-0.284 χ^2/NDF:134496.9/23

Out: 1551.303+/-0.300 χ^2/NDF:267510.4/25

All: 1531.109+/-0.206 χ^2/NDF: 410608.3/49



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: 80.673+/-392.721 χ^2/NDF:3.2/7

Left: 64.627+/-280.970 χ^2/NDF: 16.0/15

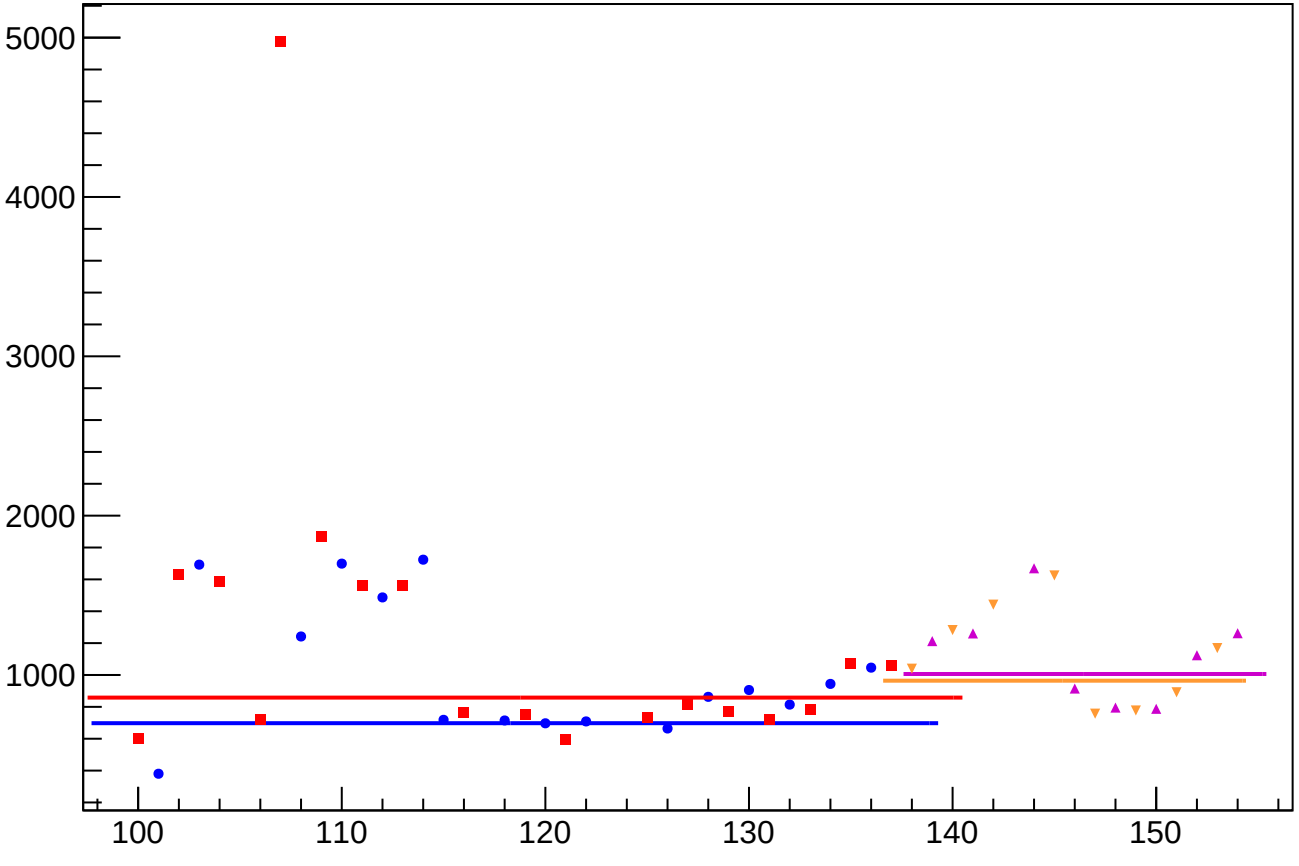
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -212.563+/-231.495 χ^2/NDF:23.0/23

Out: 28.008+/-260.338 χ^2/NDF:31.8/25

All: -106.337+/-172.994 χ^2/NDF: 55.3/49

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: 1006.236+/-0.278 χ^2/NDF:764137.9/7

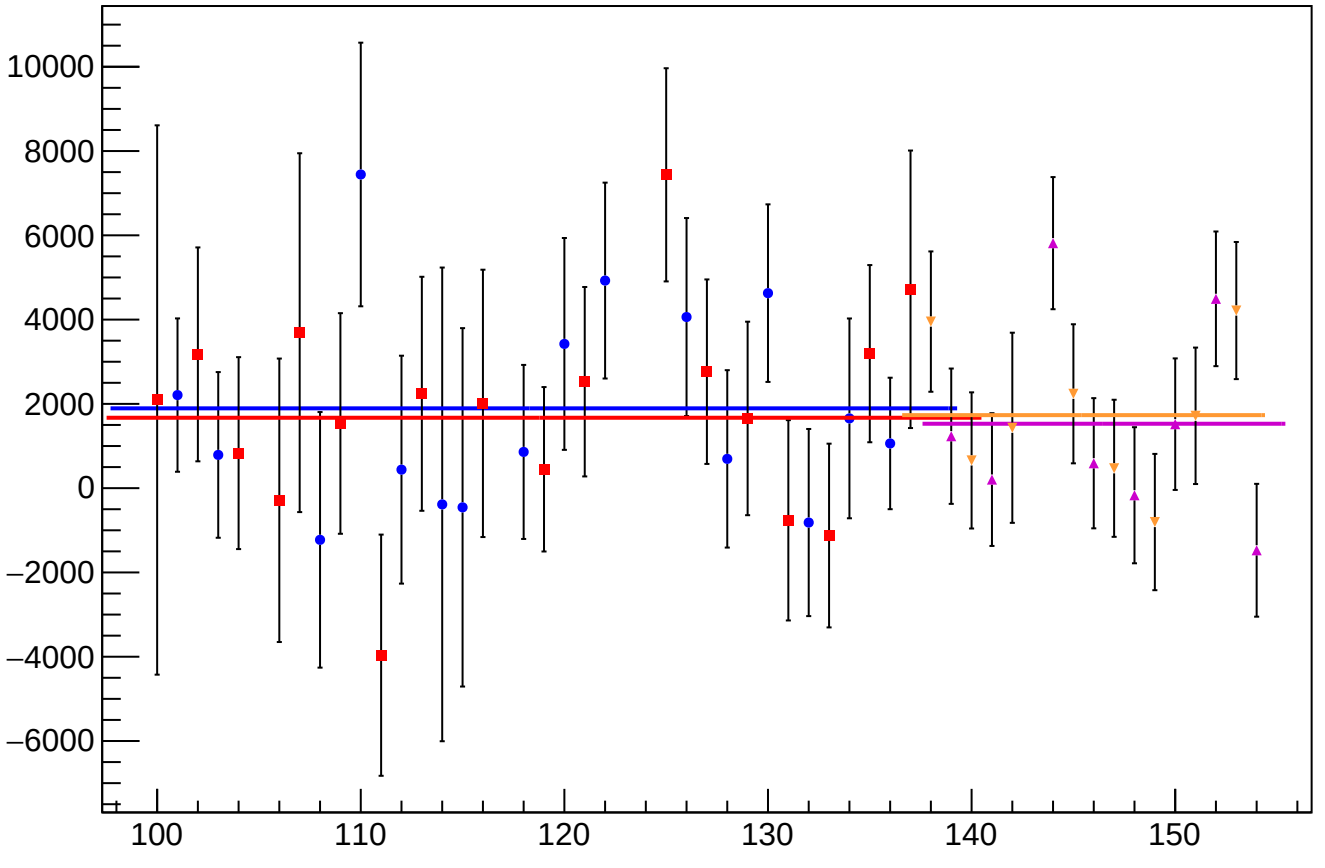
Left: 985.736+/-0.199 χ^2/NDF: 1519758.0/15

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 804.787+/-0.164 χ^2/NDF:4006213.3/23

Out: 902.578+/-0.184 χ^2/NDF:2707560.4/25

All: 847.967+/-0.122 χ^2/NDF: 6871366.8/49



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: 1528.568+/-558.600 χ^2/NDF:16.8/7

Left: 1624.399+/-407.172 χ^2/NDF: 24.5/15

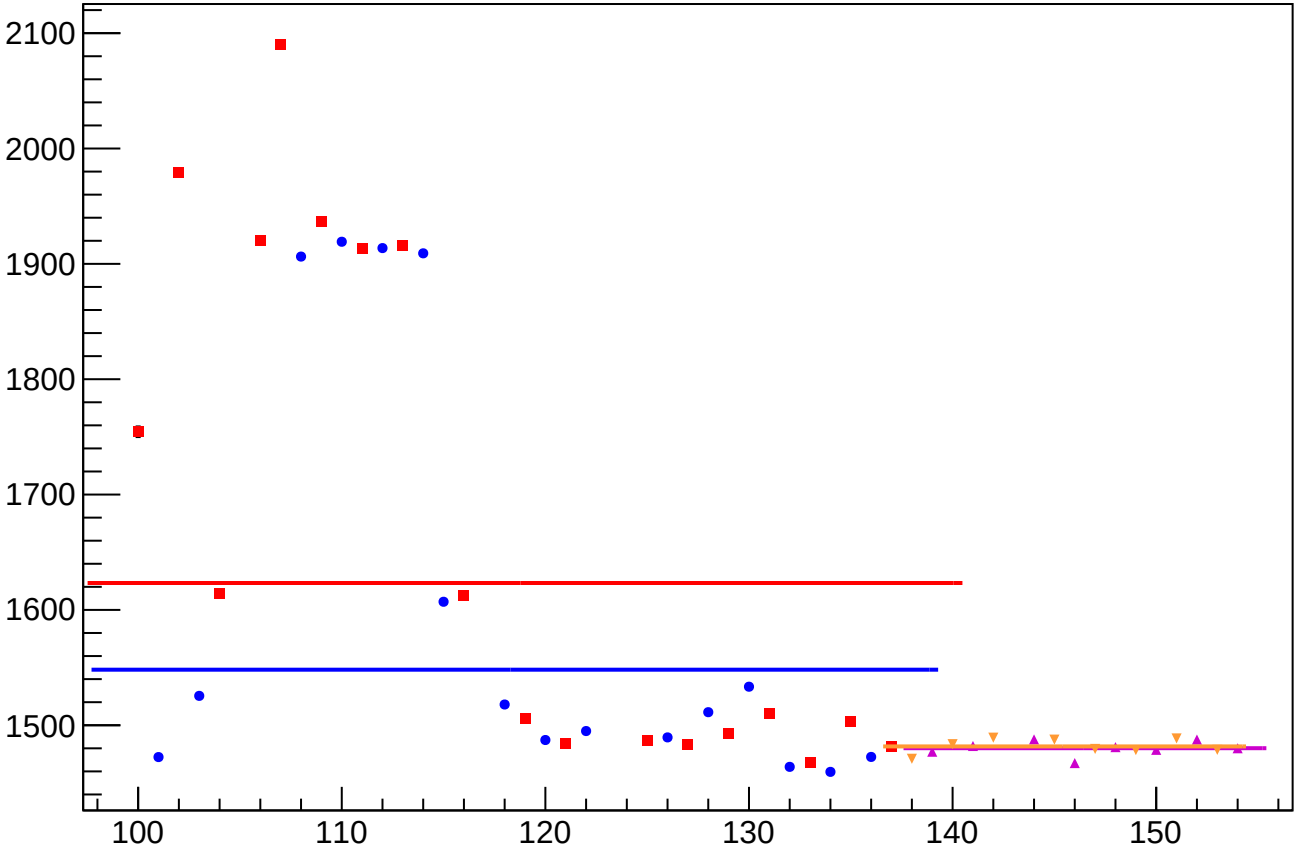
Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1705.246+/-401.549 χ^2/NDF:29.2/23

Out: 1702.506+/-424.075 χ^2/NDF:22.8/25

All: 1703.951+/-291.577 χ^2/NDF: 52.0/49

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: 1480.113+/-0.395 χ^2/NDF:243.1/7

Left: 1480.836+/-0.288 χ^2/NDF: 438.7/15

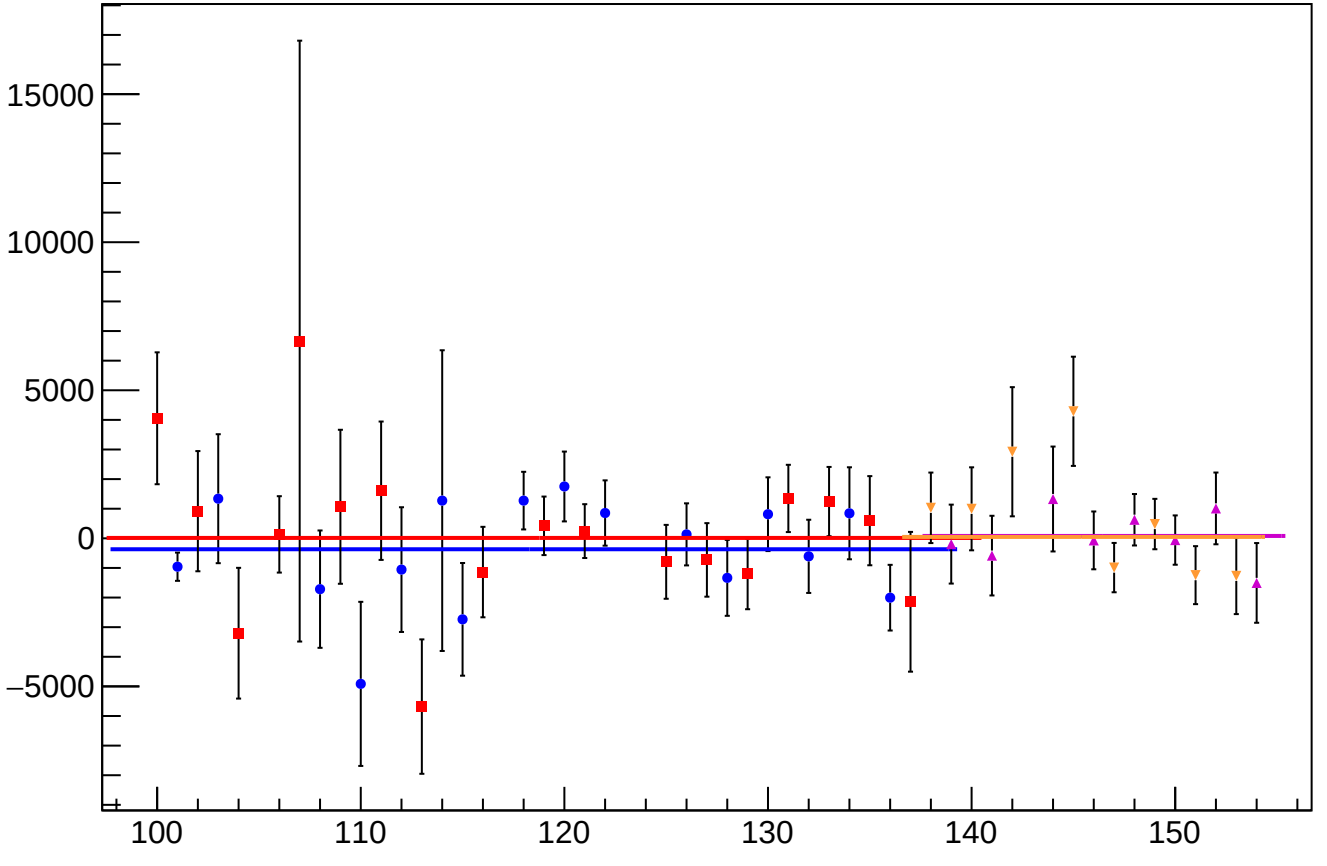
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1513.004+/-0.284 χ^2/NDF:134496.8/23

Out: 1551.303+/-0.300 χ^2/NDF:267510.0/25

All: 1531.109+/-0.206 χ^2/NDF: 410607.9/49

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: 80.673+/-392.722 χ^2/NDF:3.2/7

Left: 64.626+/-280.971 χ^2/NDF: 16.0/15

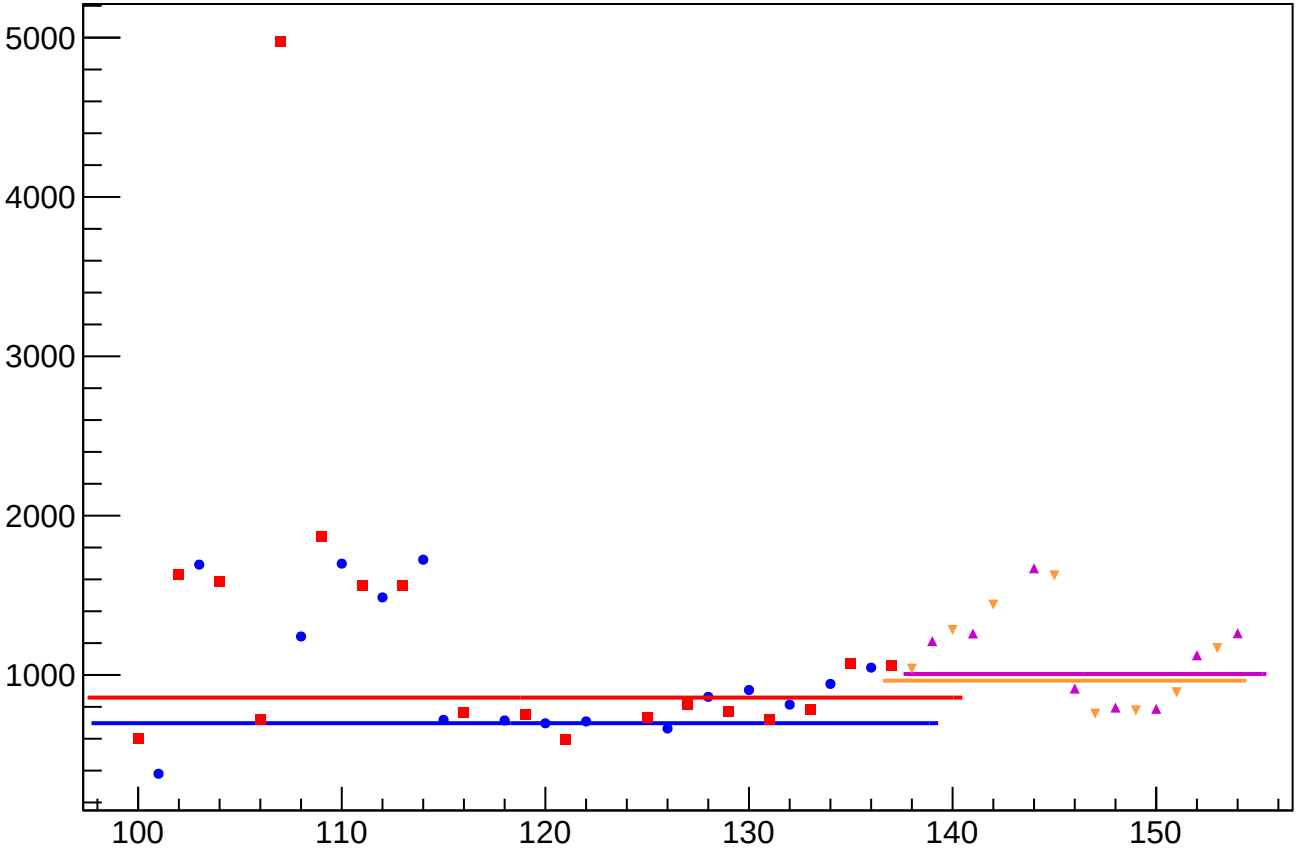
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -212.562+/-231.495 χ^2/NDF:23.0/23

Out: 28.008+/-260.338 χ^2/NDF:31.8/25

All: -106.337+/-172.994 χ^2/NDF: 55.3/49

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: 1006.237+/-0.278 χ^2/NDF:764134.9/7

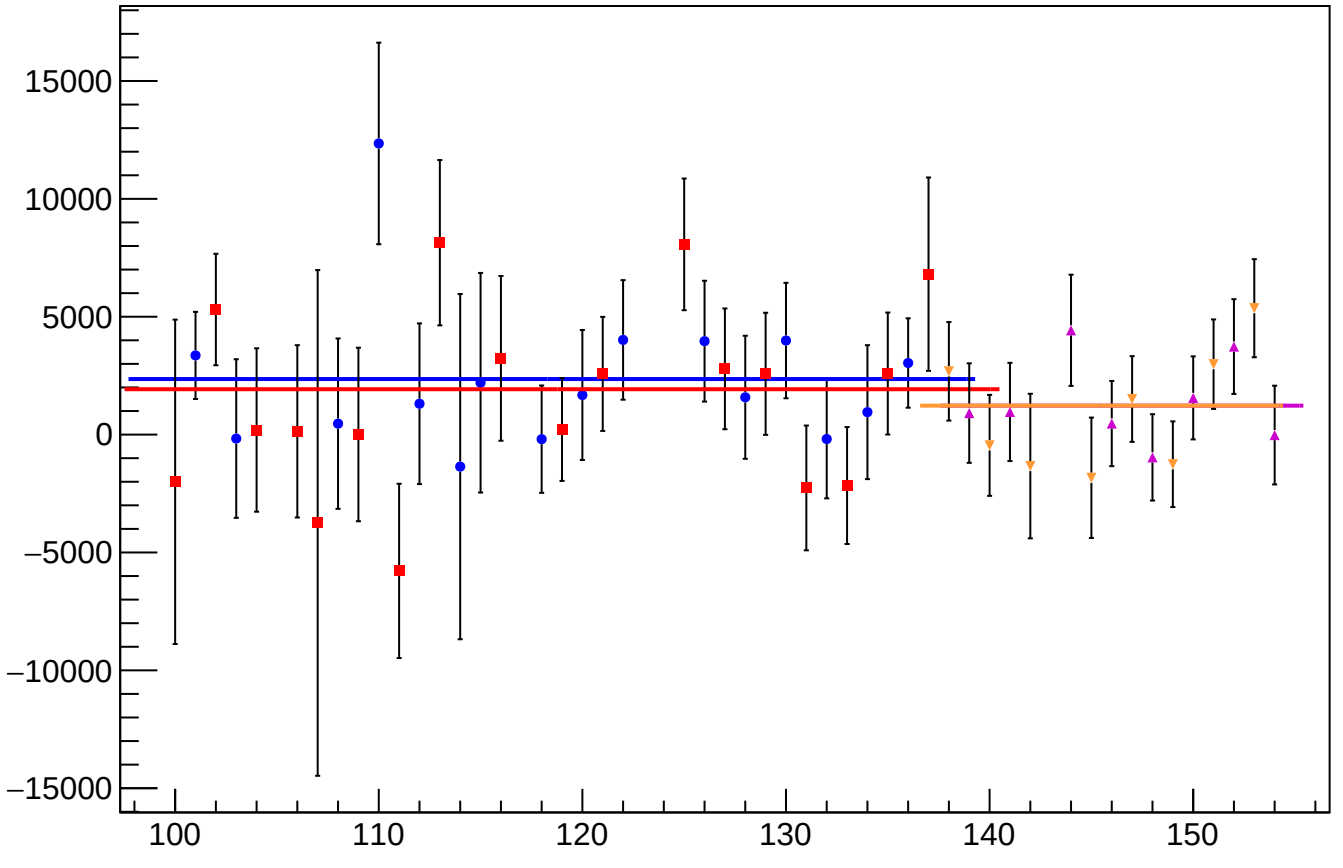
Left: 985.737+/-0.199 χ^2/NDF: 1519753.8/15

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 804.787+/-0.164 χ^2/NDF:4006209.8/23

Out: 902.578+/-0.184 χ^2/NDF:2707573.4/25

All: 847.967+/-0.122 χ^2/NDF: 6871373.8/49



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: 1227.524+/-700.627 χ^2/NDF:5.4/7

Left: 1227.933+/-509.150 χ^2/NDF: 15.4/15

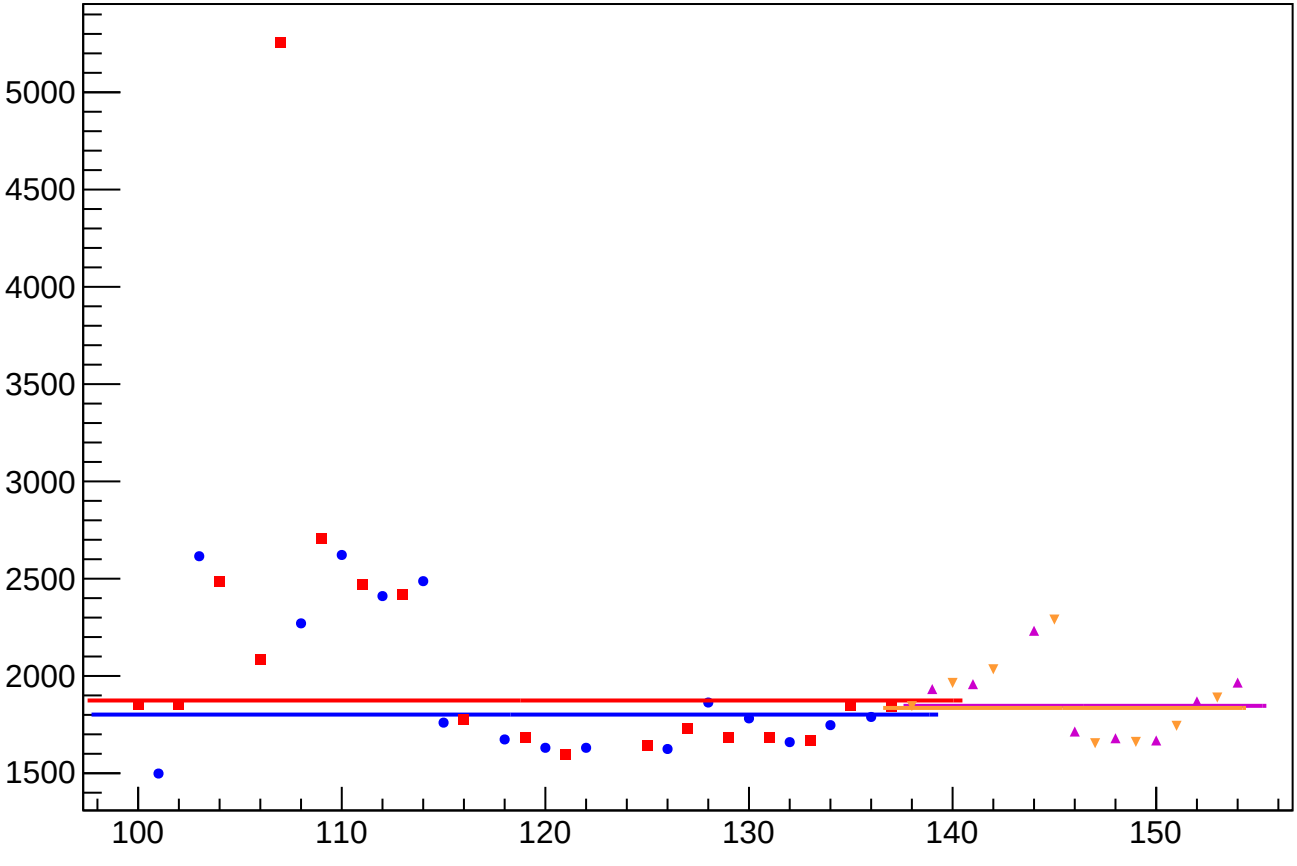
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1810.009+/-487.571 χ^2/NDF:17.8/23

Out: 1593.129+/-511.508 χ^2/NDF:33.8/25

All: 1706.762+/-352.924 χ^2/NDF: 51.7/49

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: 1846.476+/-0.495 χ^2/NDF:116987.4/7

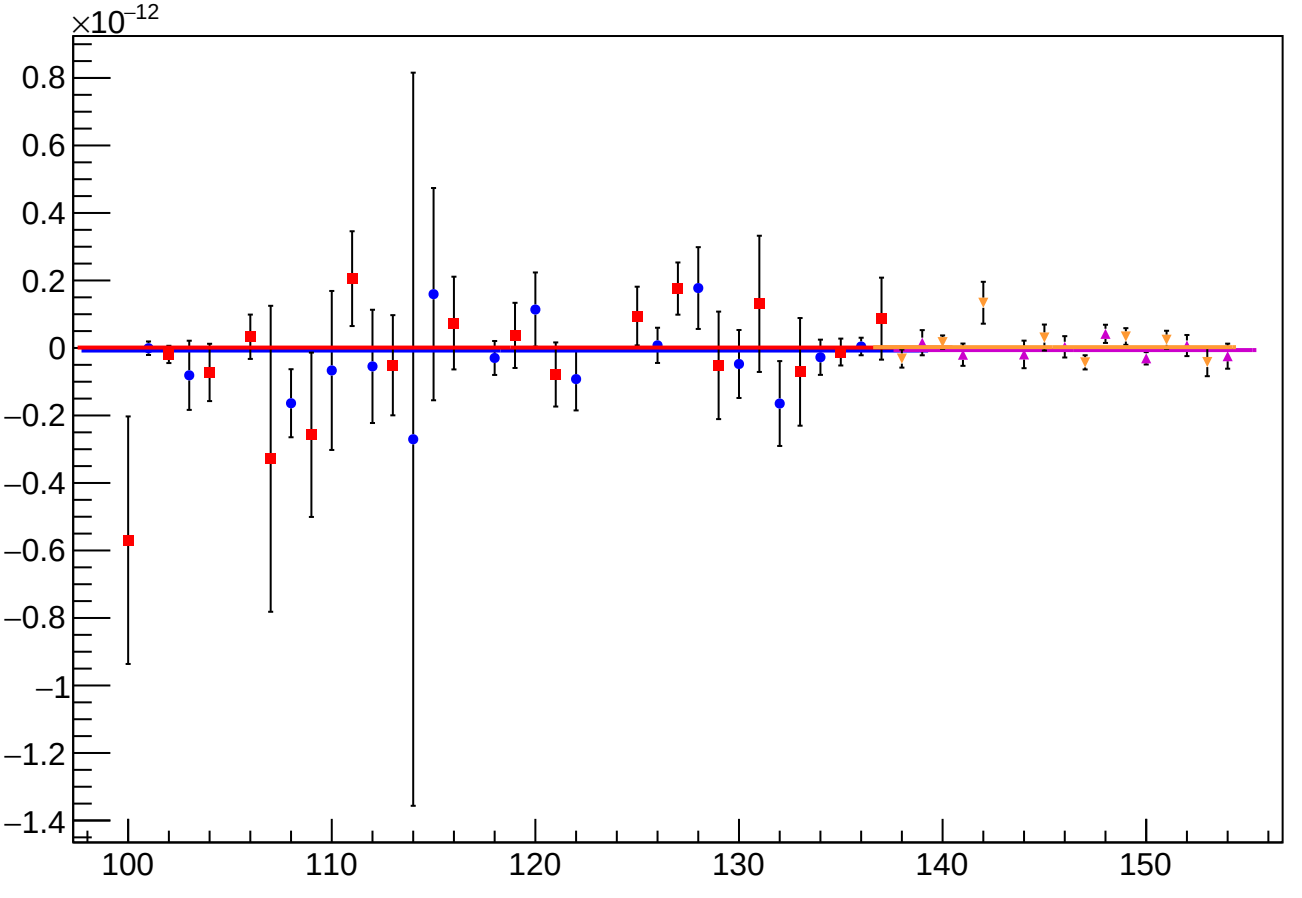
Left: 1841.371+/-0.360 χ^2/NDF: 240476.8/15

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1823.296+/-0.345 χ^2/NDF:521935.0/23

Out: 1855.726+/-0.362 χ^2/NDF:695973.0/25

All: 1838.735+/-0.250 χ^2/NDF: 1222120.0/49



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:6.1/7

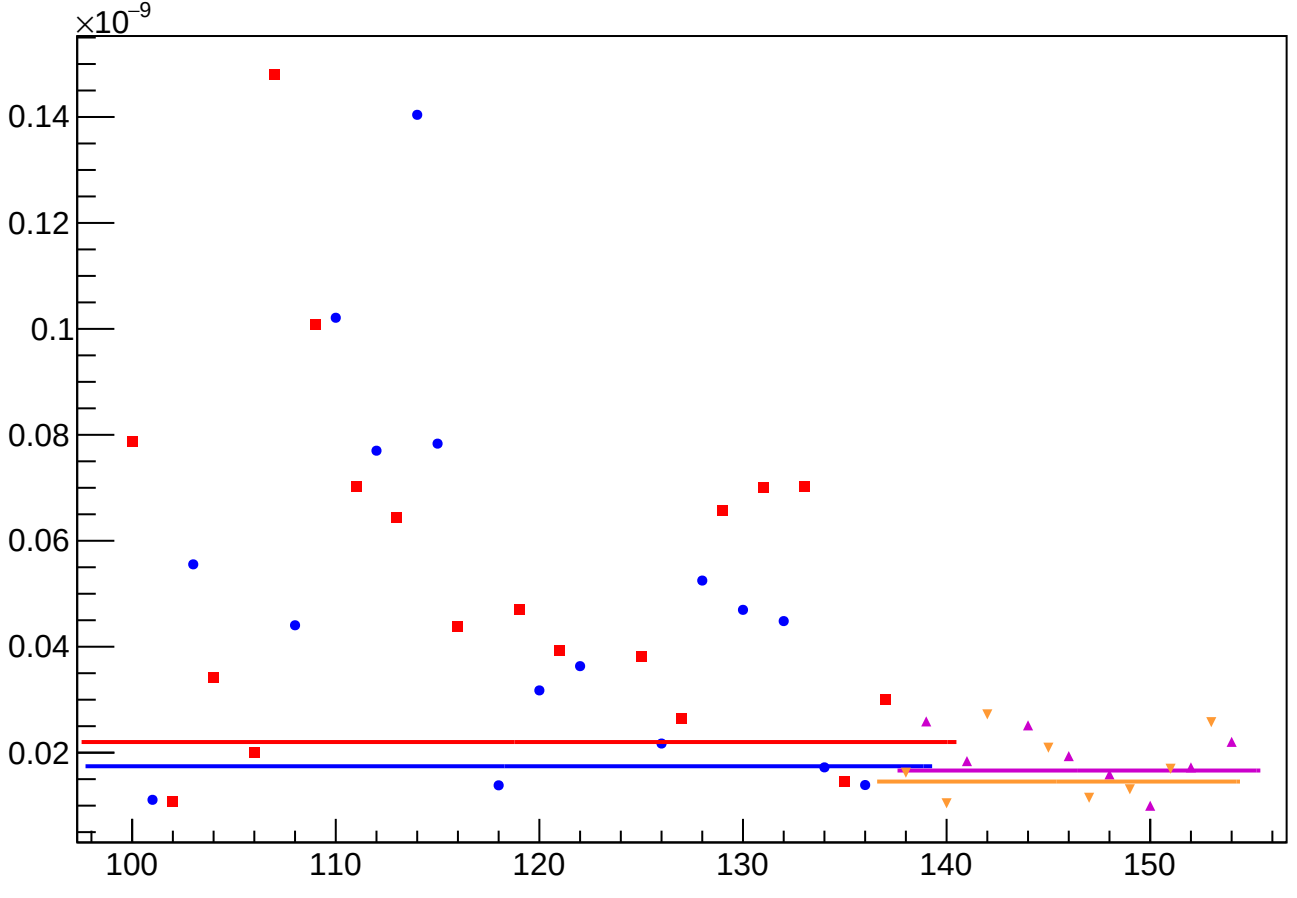
Left: -0.000+/-0.000 χ^2/NDF: 21.6/15

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:16.3/23

Out: 0.000+/-0.000 χ^2/NDF:31.9/25

All: -0.000+/-0.000 χ^2/NDF: 48.8/49



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:537925.9/7

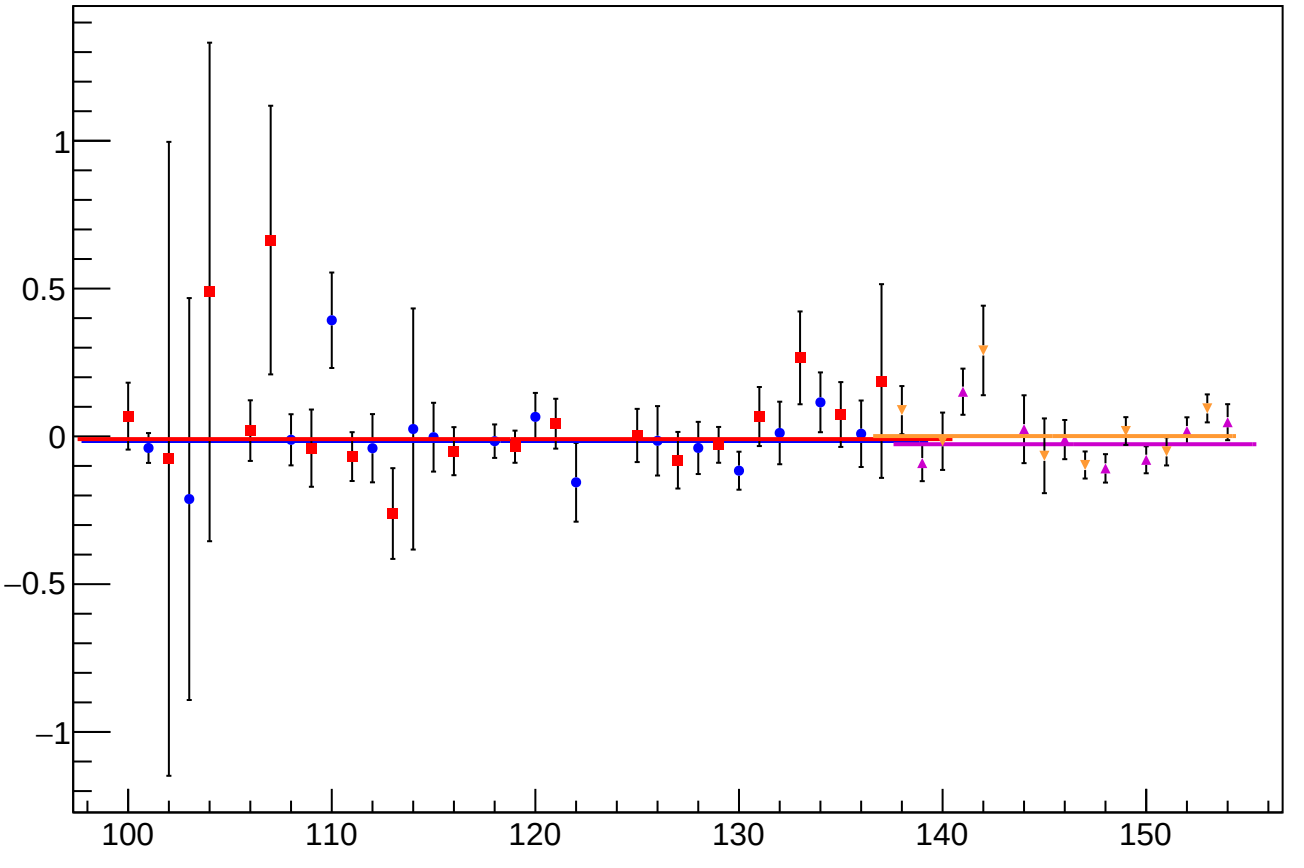
Left: 0.000+/-0.000 χ^2/NDF: 1020661.1/15

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2382660.2/23

Out: 0.000+/-0.000 χ^2/NDF:2825445.6/25

All: 0.000+/-0.000 χ^2/NDF: 5213281.8/49



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: -0.027+/-0.020 χ^2/NDF:13.2/7

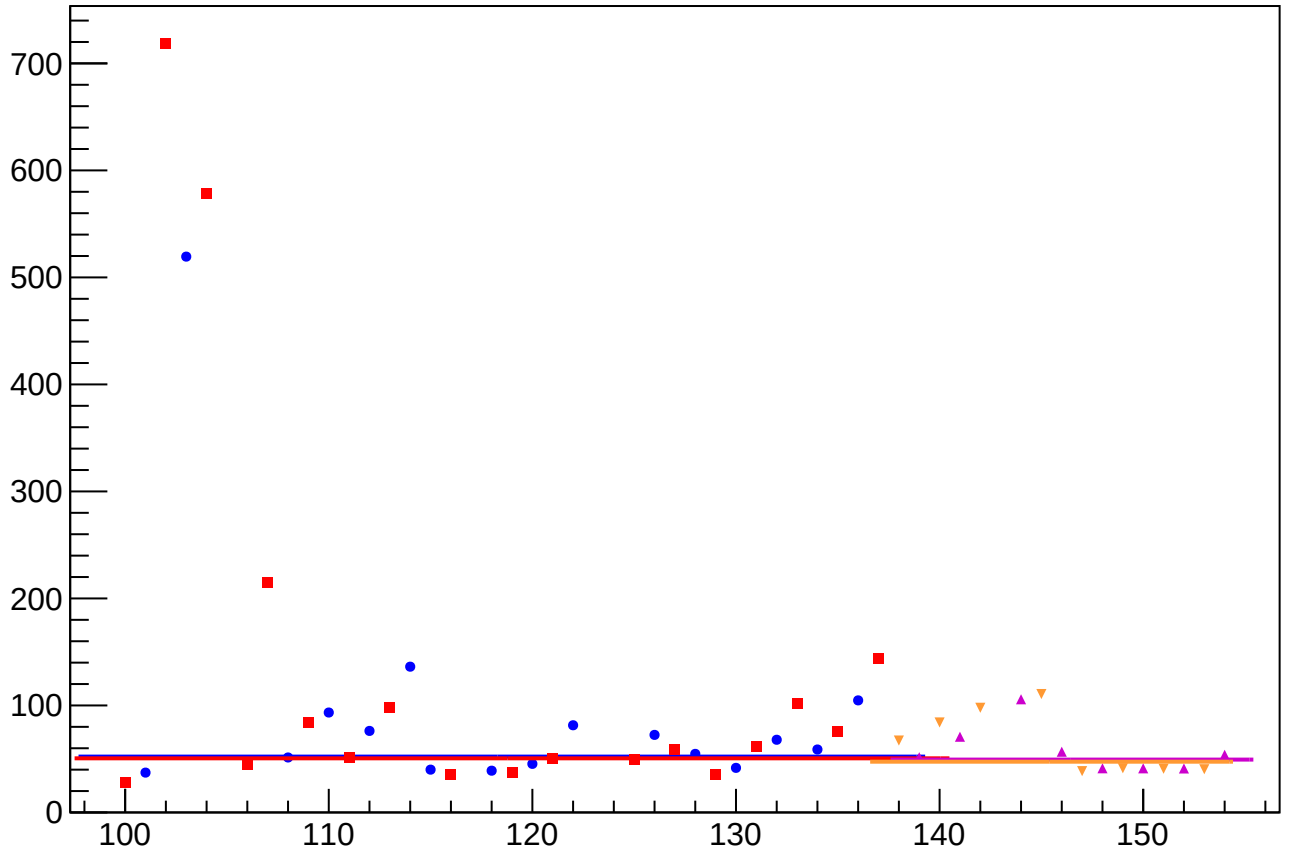
Left: -0.013+/-0.015 χ^2/NDF: 28.9/15

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.022+/-0.015 χ^2/NDF:26.5/23

Out: -0.004+/-0.016 χ^2/NDF:27.5/25

All: -0.013+/-0.011 χ^2/NDF: 54.6/49



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: 49.399+/-0.014 χ^2/NDF:854992.1/7

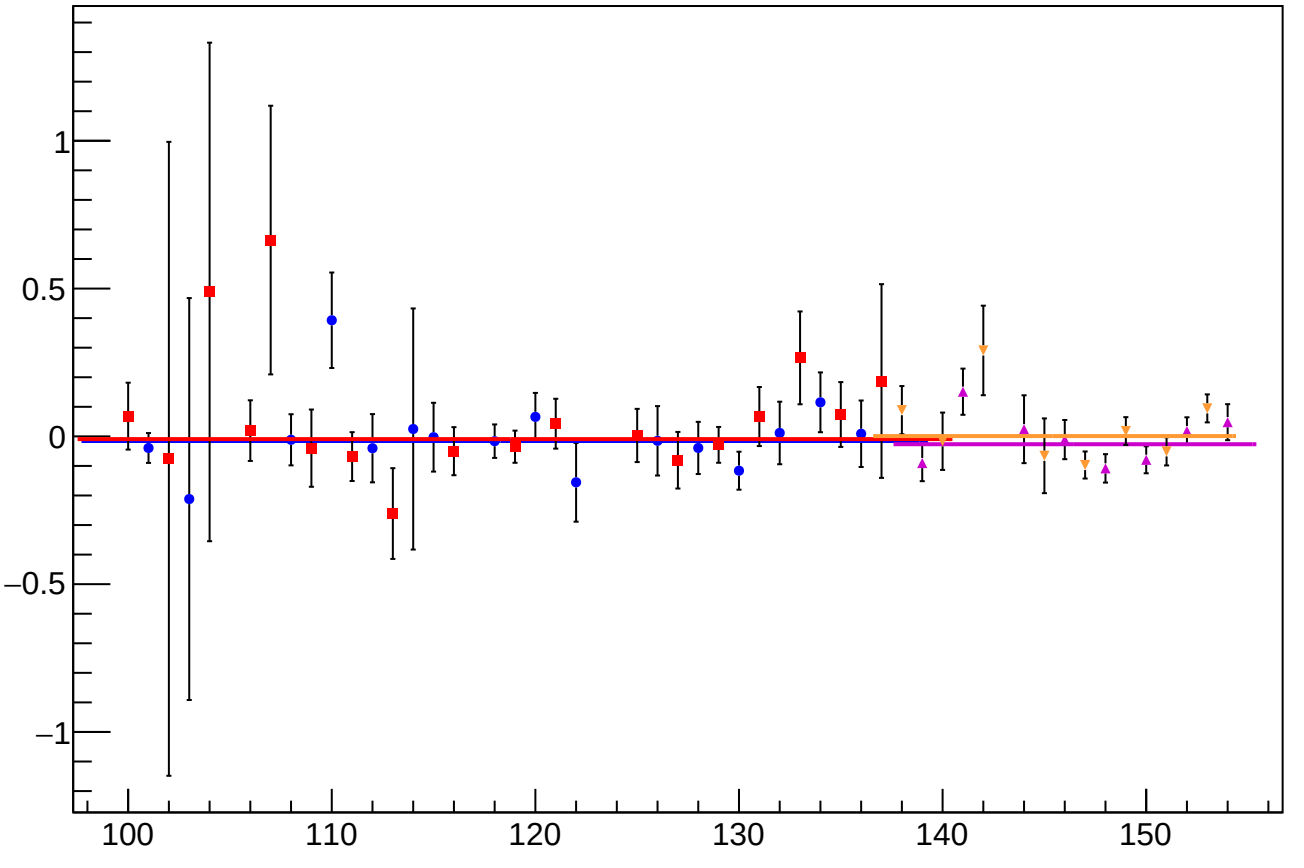
Left: 48.462+/-0.010 χ^2/NDF: 2179597.9/15

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.656+/-0.011 χ^2/NDF:3138627.3/23

Out: 48.859+/-0.011 χ^2/NDF:4386693.0/25

All: 49.796+/-0.008 χ^2/NDF: 7538706.1/49



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: -0.027+/-0.020 χ^2/NDF:13.2/7

Left: -0.013+/-0.015 χ^2/NDF: 28.9/15

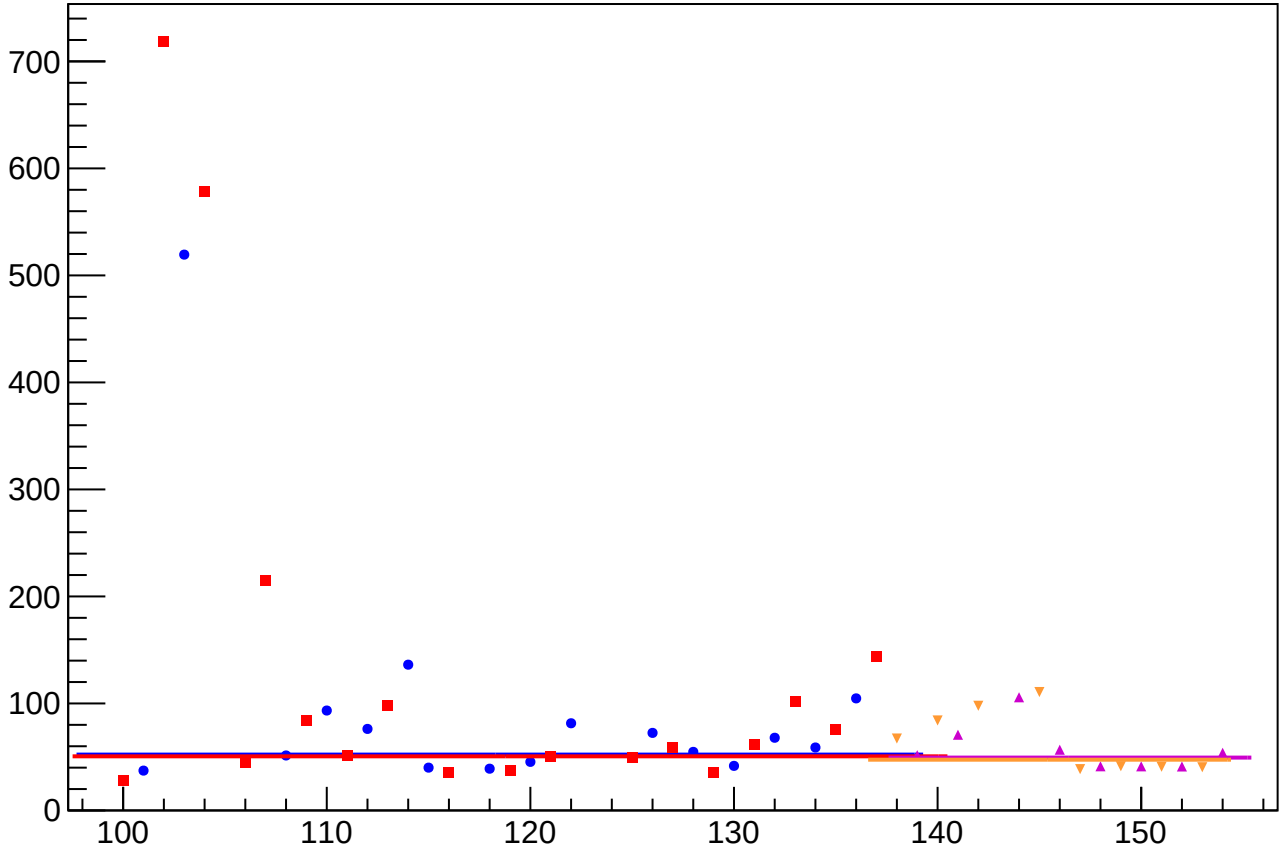
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.022+/-0.015 χ^2/NDF:26.5/23

Out: -0.004+/-0.016 χ^2/NDF:27.5/25

All: -0.013+/-0.011 χ^2/NDF: 54.6/49

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: 49.399+/-0.014 χ^2/NDF:854992.1/7

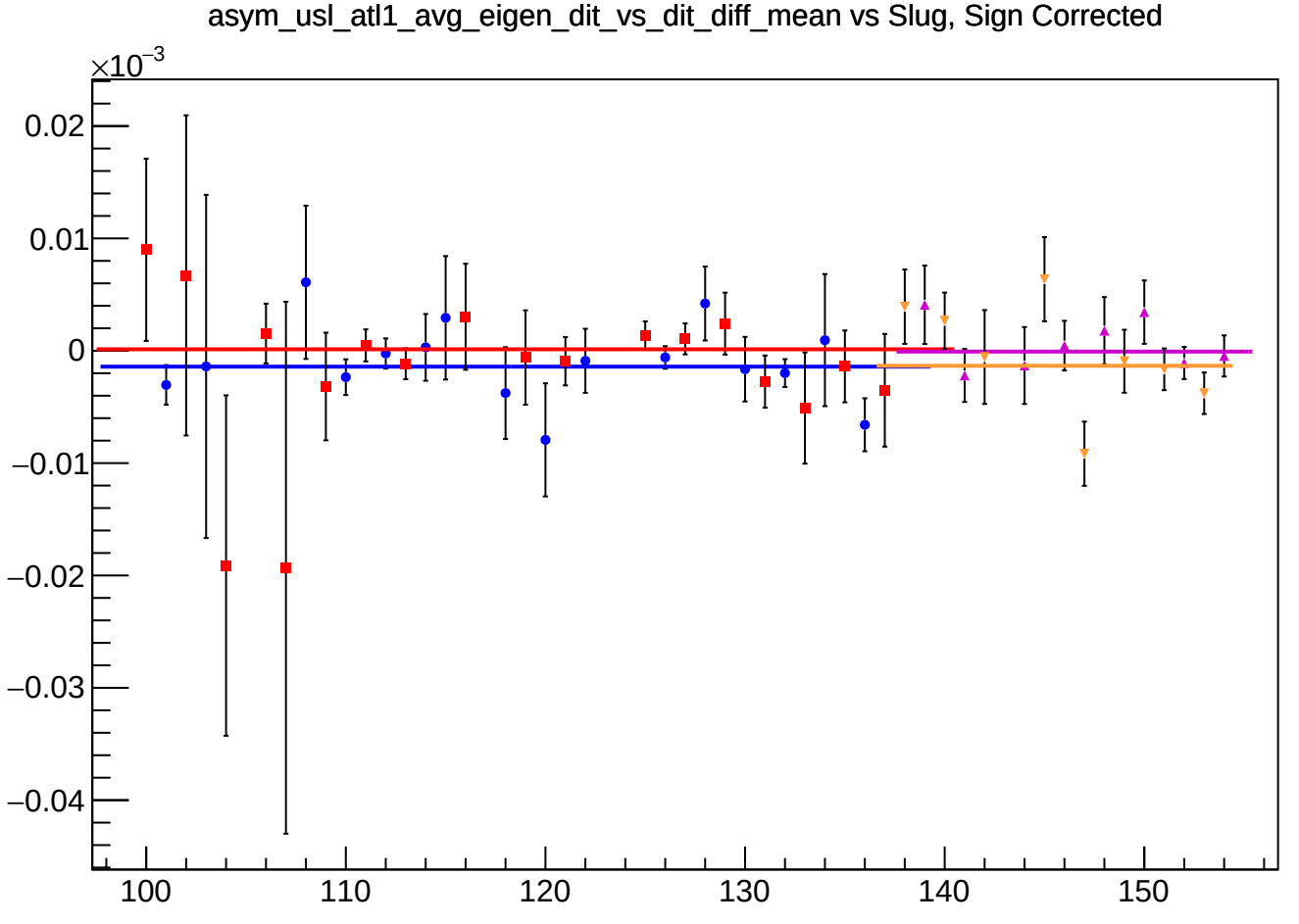
Left: 48.462+/-0.010 χ^2/NDF: 2179597.9/15

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.656+/-0.011 χ^2/NDF:3138627.3/23

Out: 48.859+/-0.011 χ^2/NDF:4386693.0/25

All: 49.796+/-0.008 χ^2/NDF: 7538706.1/49



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:4.9/7

Left: -0.000+/-0.000 χ^2/NDF: 24.7/15

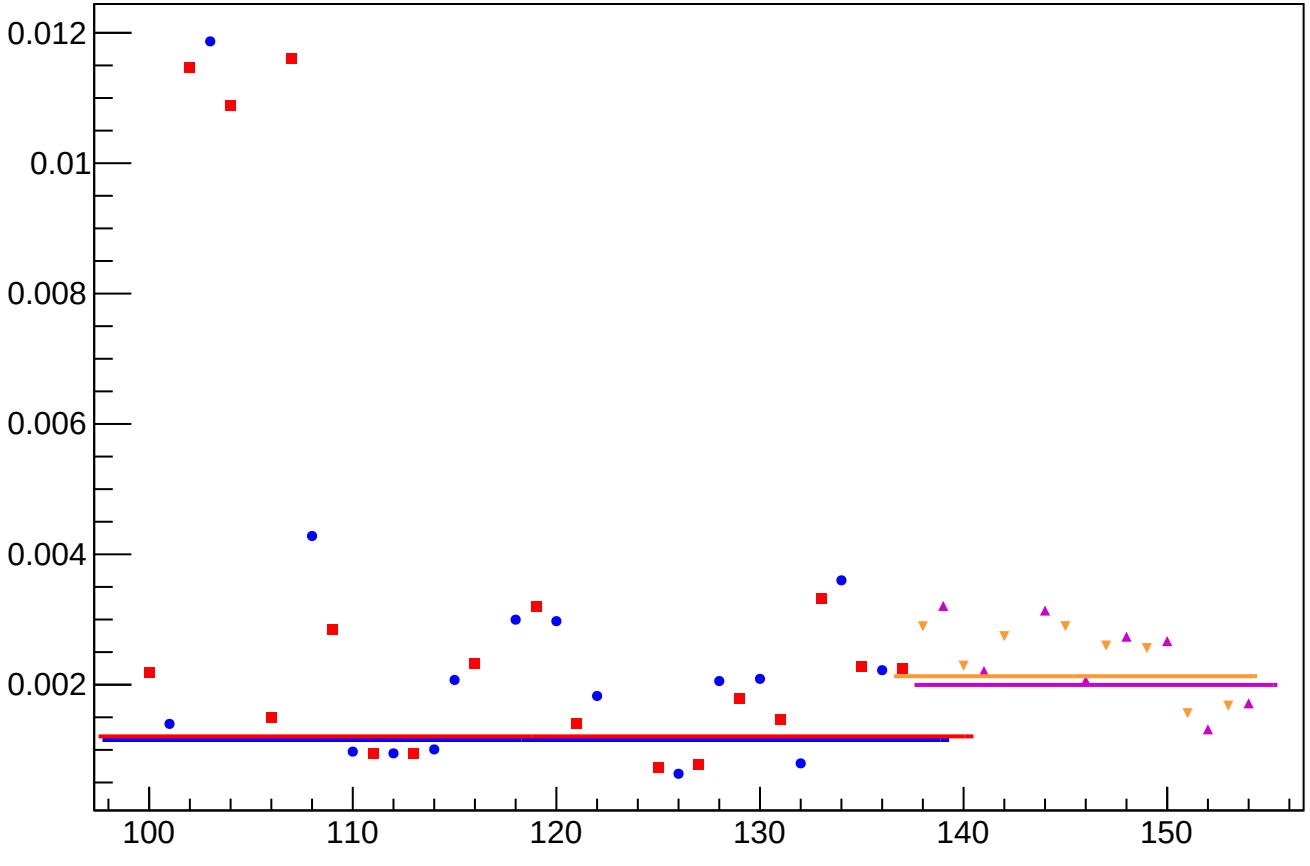
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:21.9/23

Out: -0.000+/-0.000 χ^2/NDF:32.1/25

All: -0.000+/-0.000 χ^2/NDF: 55.4/49

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:650364.4/7

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1218840.8/7

Left: 0.002+/-0.000 χ^2/NDF: 1893746.5/15

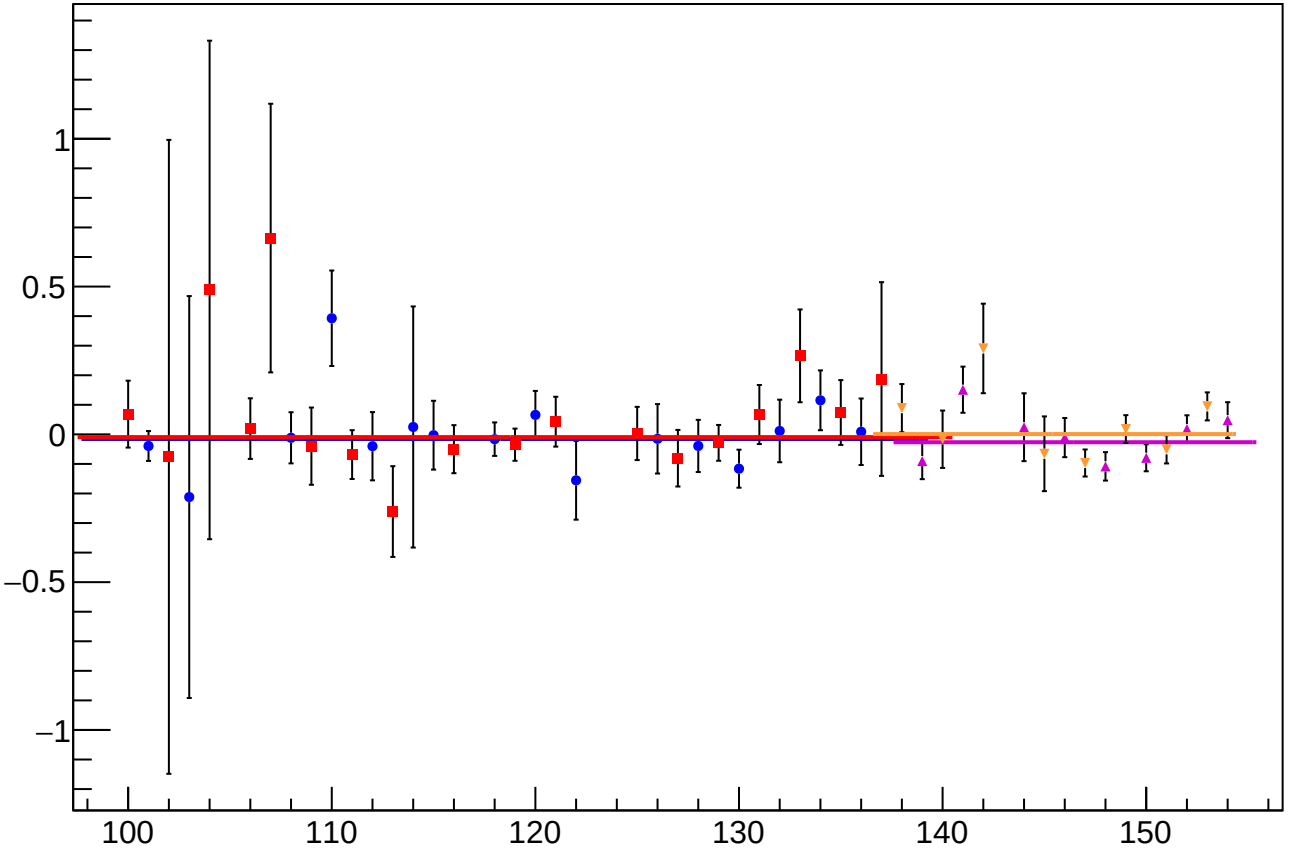
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:6991238.8/23

Out: 0.001+/-0.000 χ^2/NDF:6673857.5/25

All: 0.001+/-0.000 χ^2/NDF: 13681071.3/49

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: -0.027+/-0.020 χ^2/NDF:13.2/7

Left: -0.013+/-0.015 χ^2/NDF: 28.9/15

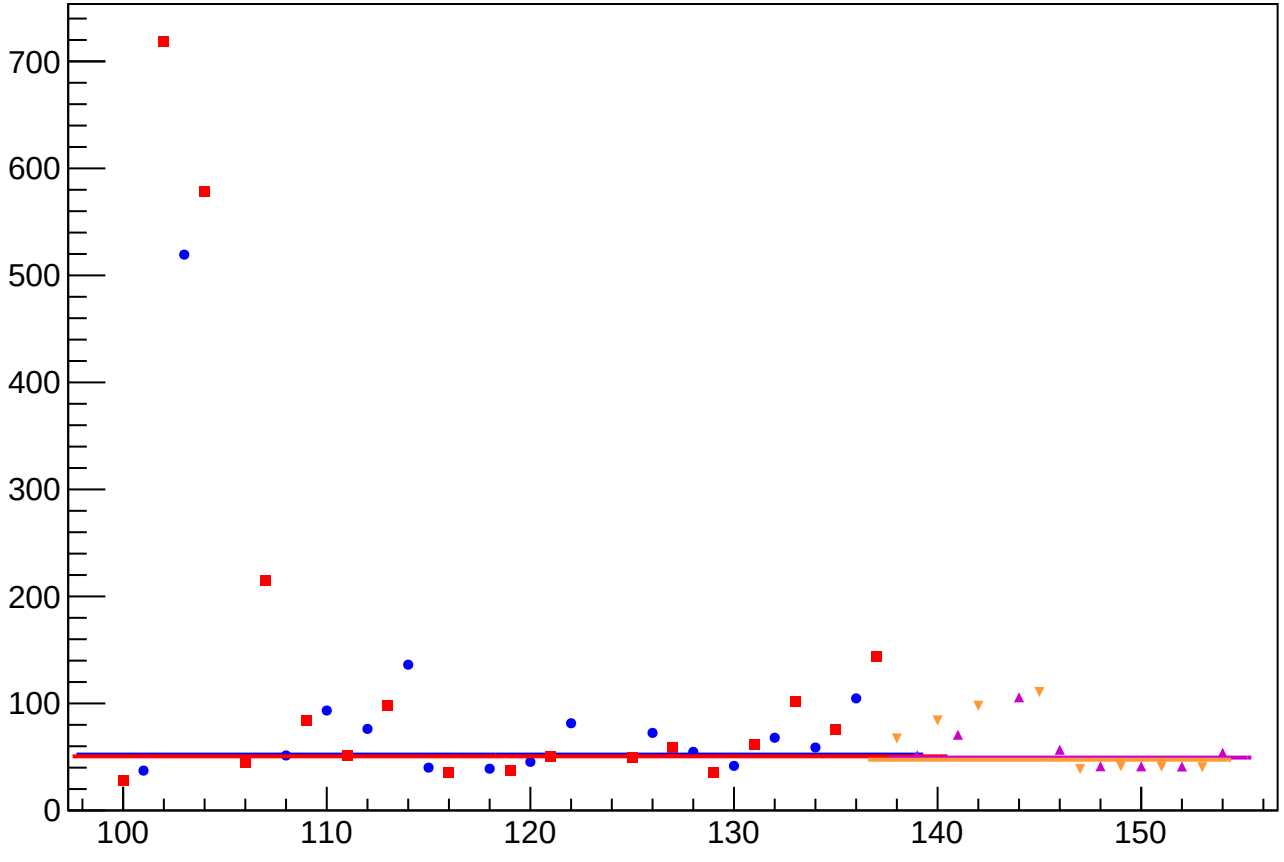
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.022+/-0.015 χ^2/NDF:26.5/23

Out: -0.004+/-0.016 χ^2/NDF:27.5/25

All: -0.013+/-0.011 χ^2/NDF: 54.6/49

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: 49.399+/-0.014 χ^2/NDF:854975.8/7

Left: 48.463+/-0.010 χ^2/NDF: 2179558.3/15

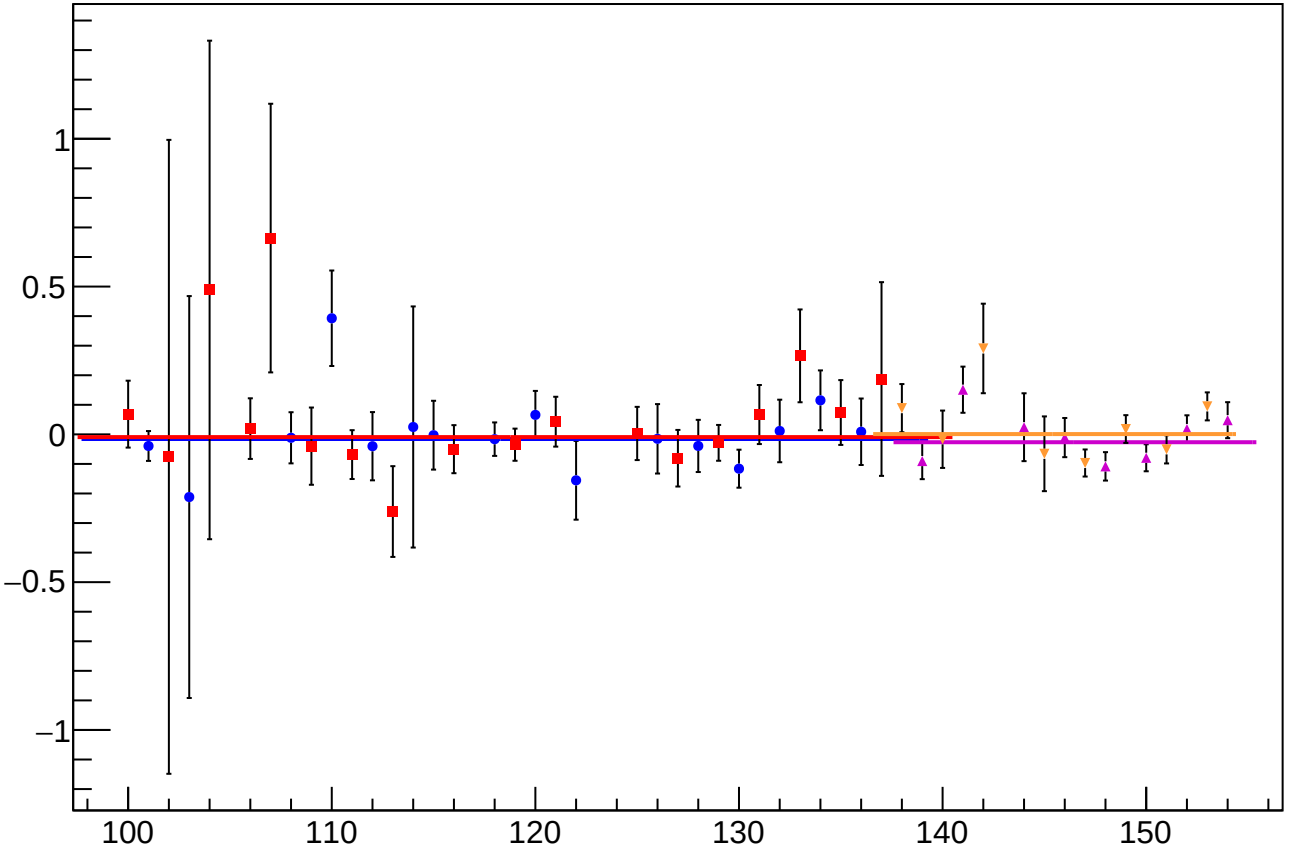
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.656+/-0.011 χ^2/NDF:3138601.3/23

Out: 48.859+/-0.011 χ^2/NDF:4386649.3/25

All: 49.796+/-0.008 χ^2/NDF: 7538637.5/49

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: -0.027+/-0.020 χ^2/NDF:13.2/7

Left: -0.013+/-0.015 χ^2/NDF: 28.9/15

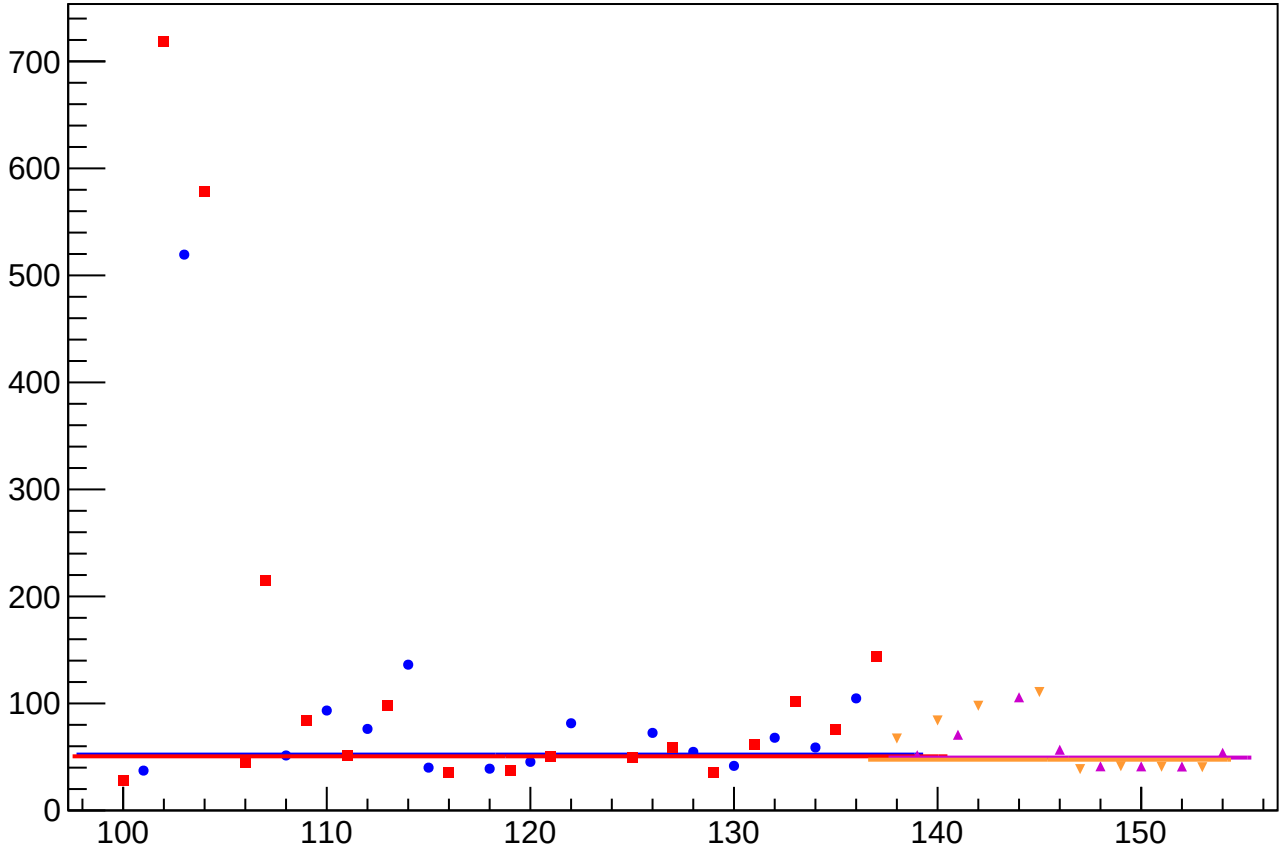
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.022+/-0.015 χ^2/NDF:26.5/23

Out: -0.004+/-0.016 χ^2/NDF:27.5/25

All: -0.013+/-0.011 χ^2/NDF: 54.6/49

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: 49.399+/-0.014 χ^2/NDF:854975.8/7

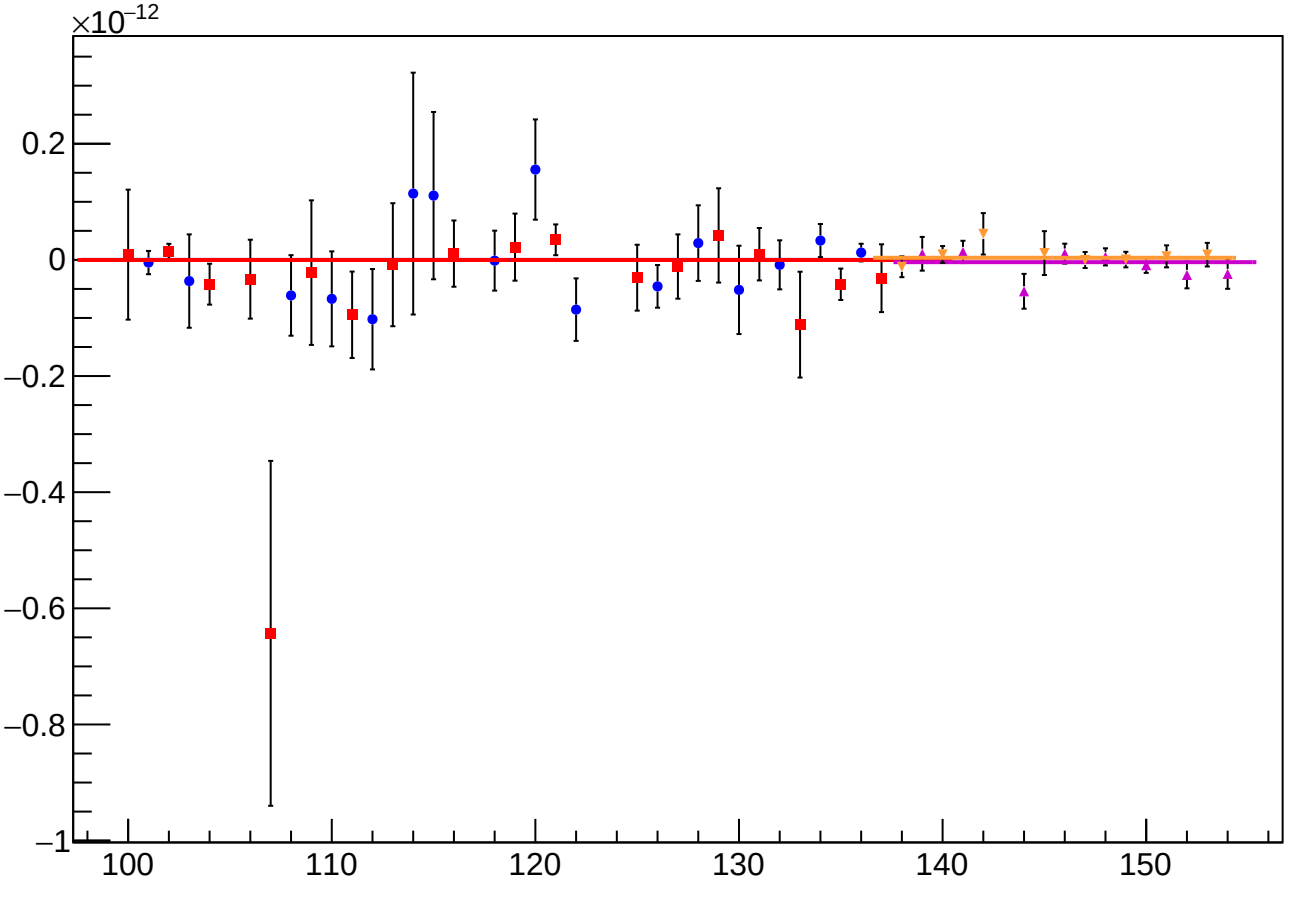
Left: 48.463+/-0.010 χ^2/NDF: 2179558.3/15

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.656+/-0.011 χ^2/NDF:3138601.3/23

Out: 48.859+/-0.011 χ^2/NDF:4386649.3/25

All: 49.796+/-0.008 χ^2/NDF: 7538637.5/49



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:6.7/7

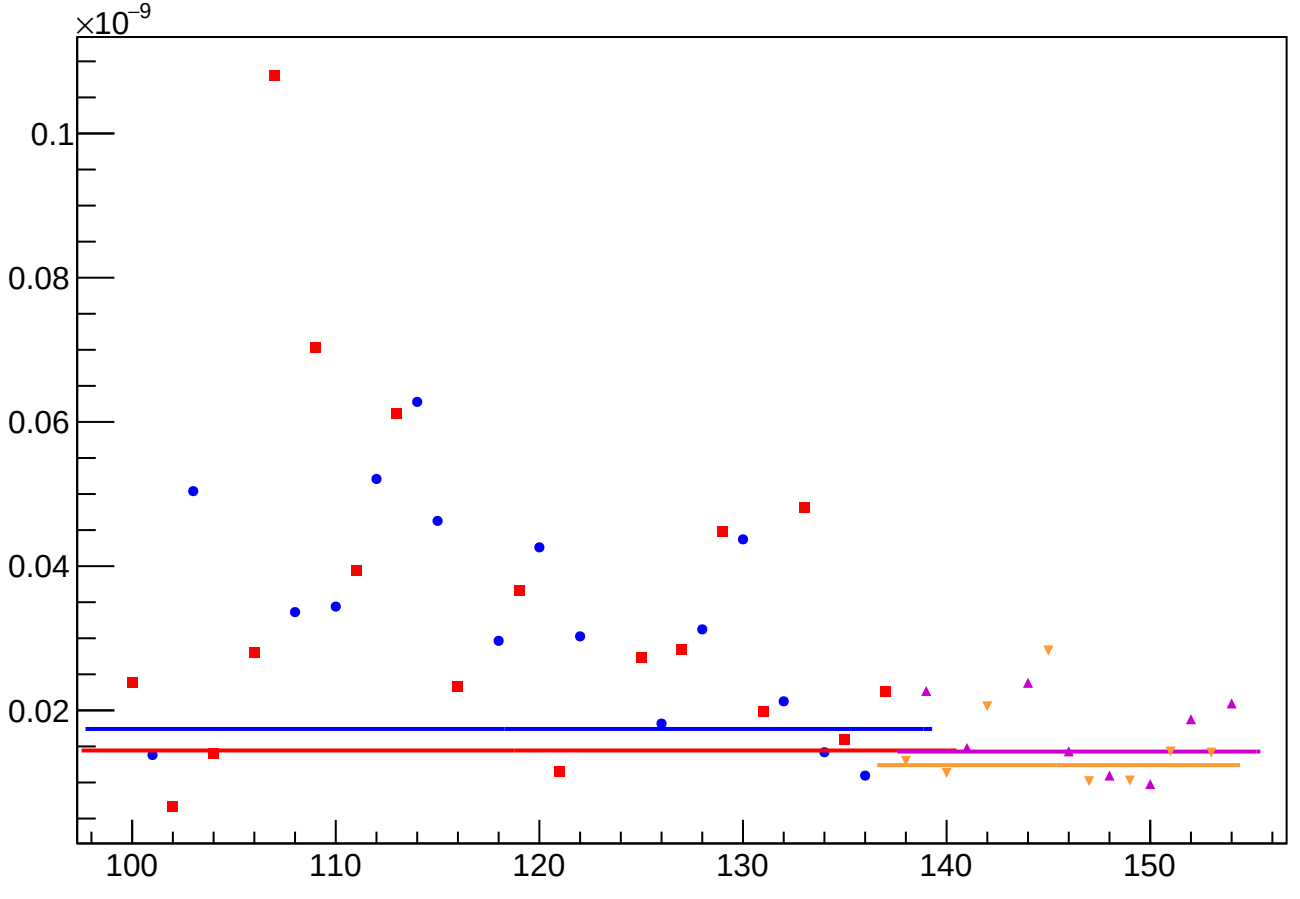
Left: 0.000+/-0.000 χ^2/NDF: 9.8/15

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

In: -0.000+/-0.000 χ^2/NDF:20.9/23

Out: 0.000+/-0.000 χ^2/NDF:18.6/25

All: 0.000+/-0.000 χ^2/NDF: 39.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:610027.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:912098.3/7

Left: 0.000+/-0.000 χ^2/NDF: 1605495.4/15

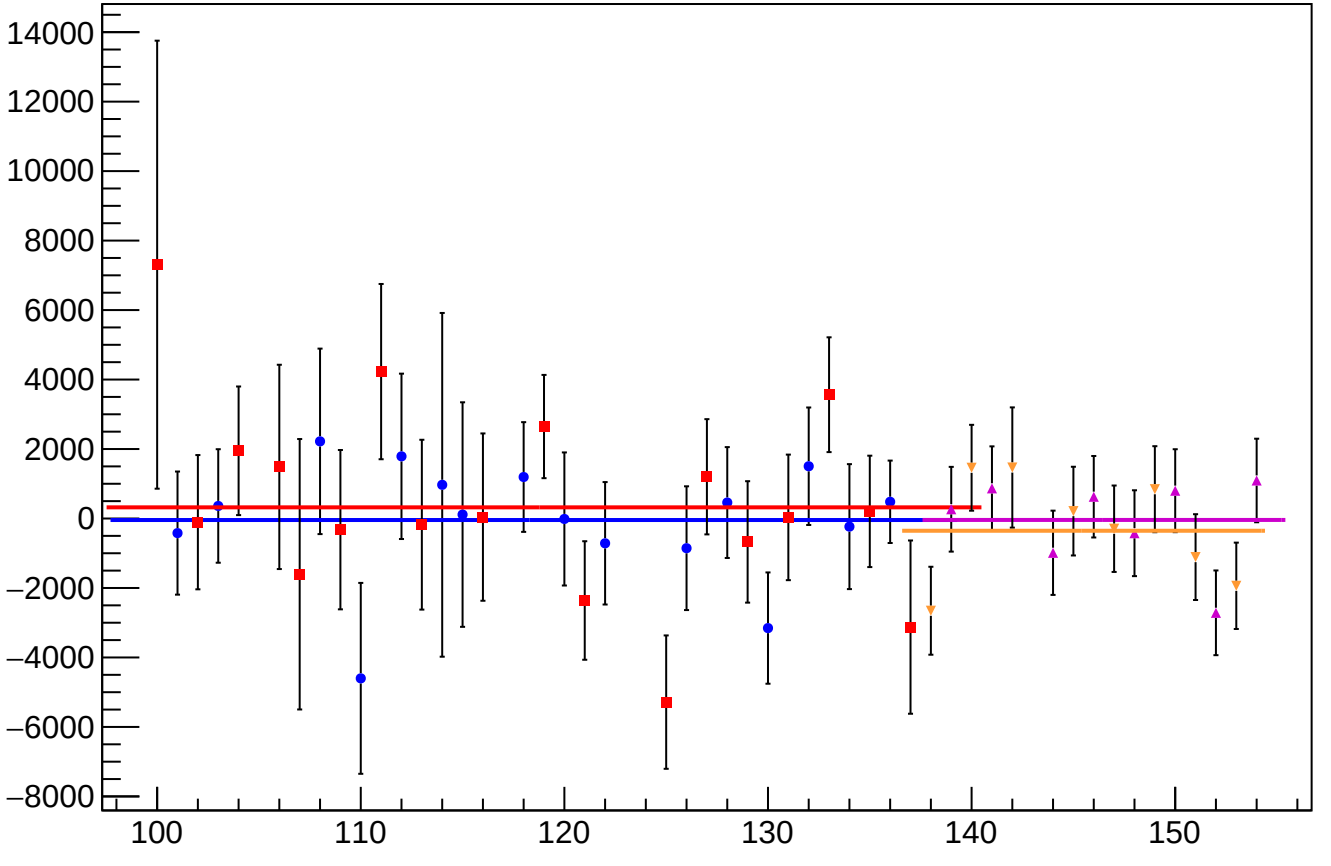
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:3283928.6/23

Out: 0.000+/-0.000 χ^2/NDF:3940168.7/25

All: 0.000+/-0.000 χ^2/NDF: 7407830.6/49

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -352.655+/-455.112 χ^2/NDF:9.7/7

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: -41.339+/-427.023 χ^2/NDF:7.9/7

Left: -187.094+/-311.408 χ^2/NDF: 17.8/15

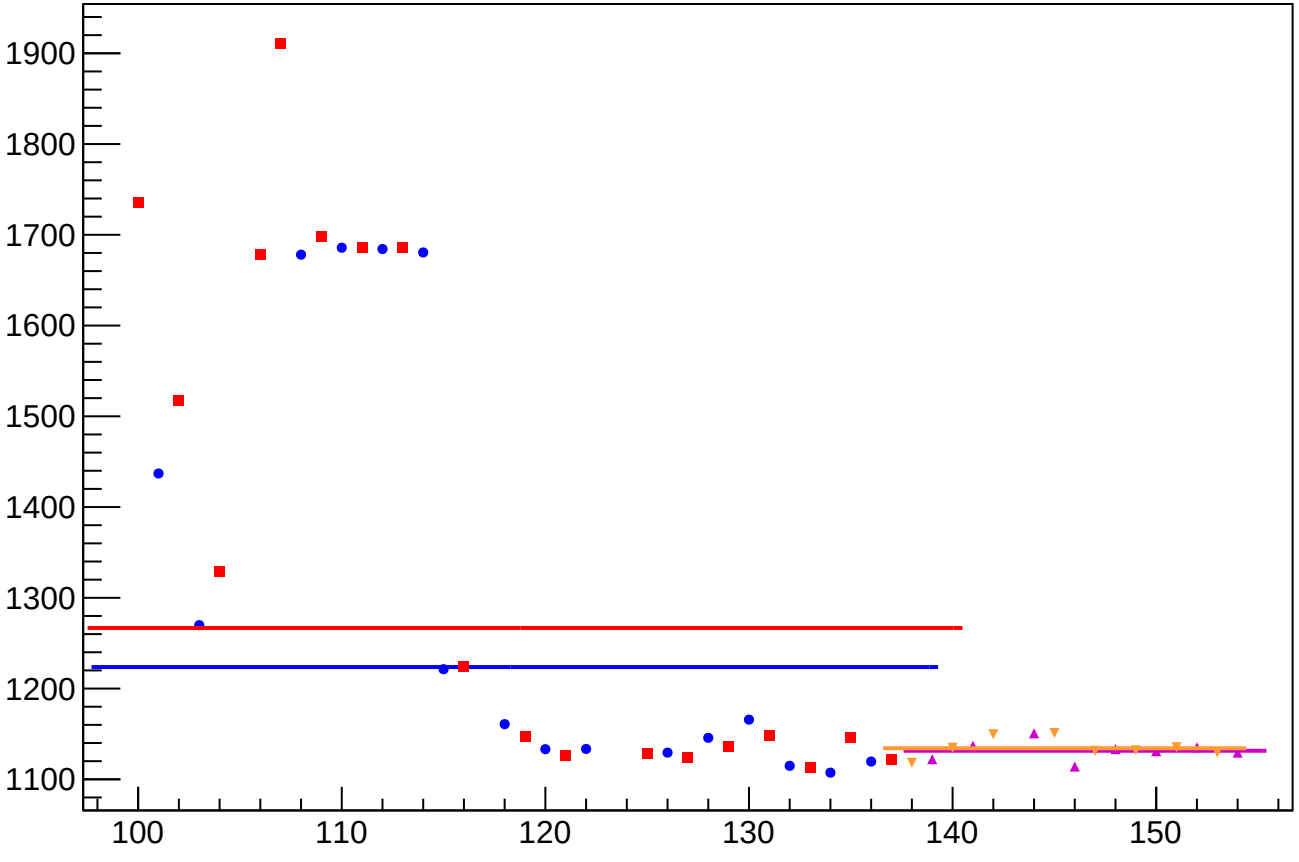
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -42.425+/-312.715 χ^2/NDF:18.0/23

Out: -30.055+/-328.599 χ^2/NDF:35.5/25

All: -36.546+/-226.530 χ^2/NDF: 53.5/49

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: 1131.476+/-0.302 χ^2/NDF:1130.0/7

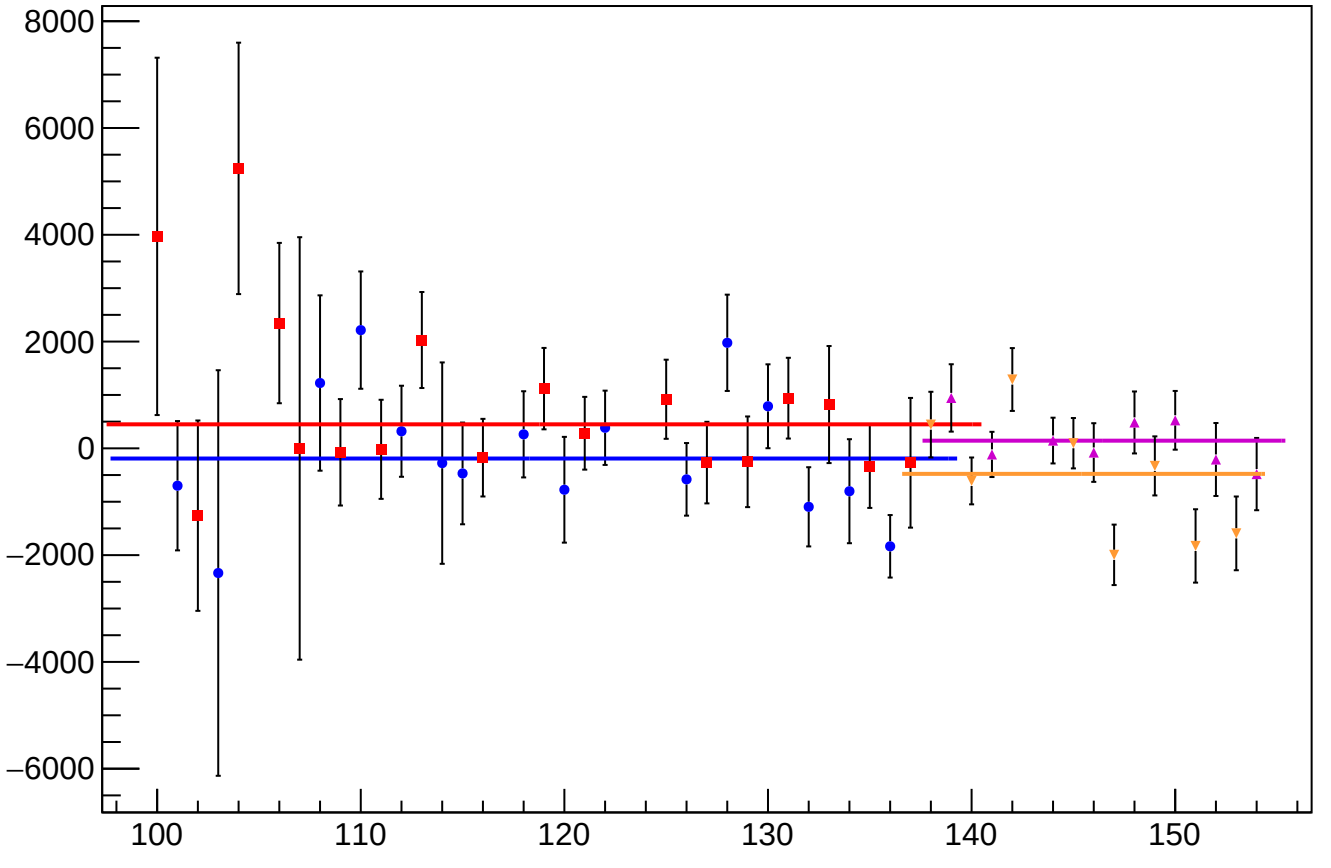
Left: 1132.776+/-0.220 χ^2/NDF: 2041.5/15

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1174.244+/-0.221 χ^2/NDF:339359.3/23

Out: 1197.693+/-0.232 χ^2/NDF:514898.1/25

All: 1185.388+/-0.160 χ^2/NDF: 859601.6/49



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: 143.680+/-190.854 χ^2/NDF:4.1/7

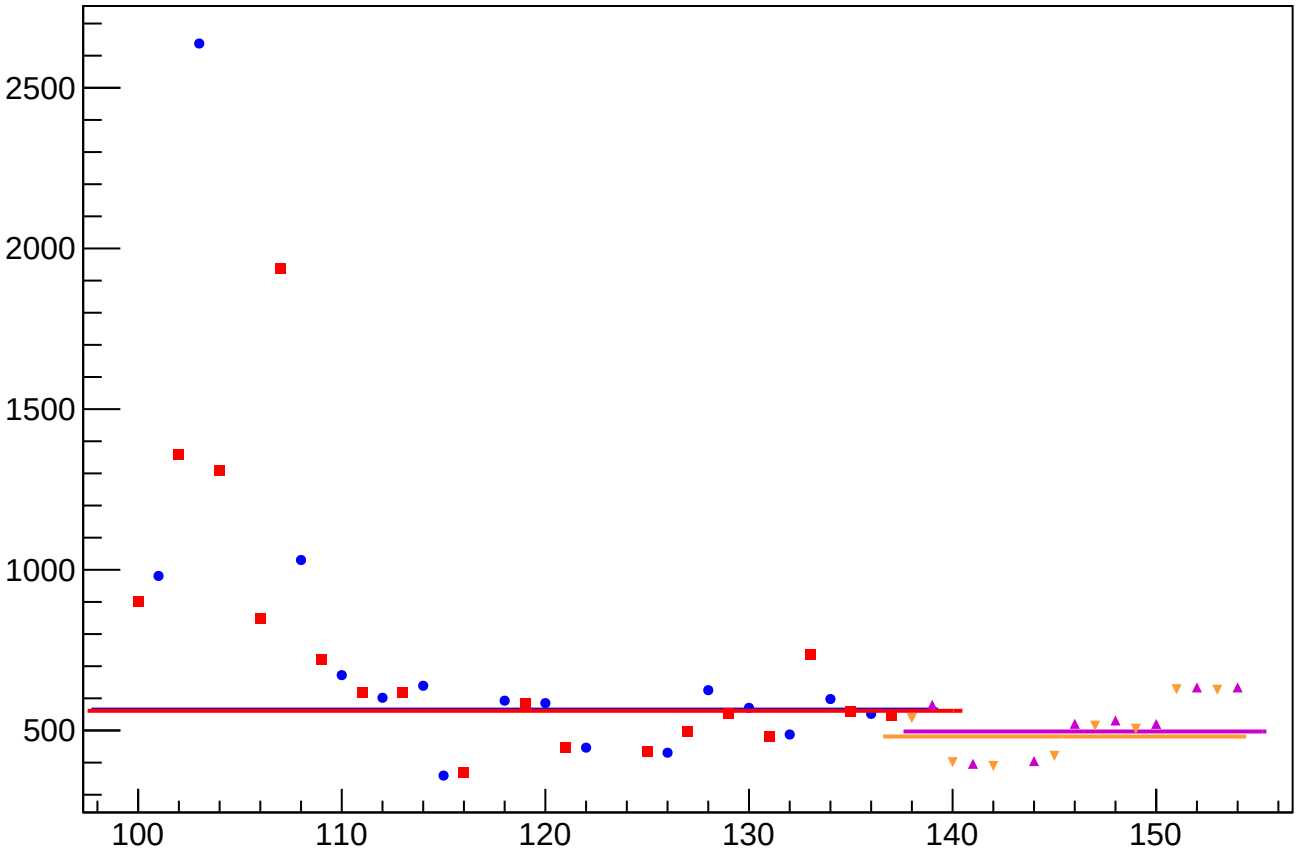
Left: -157.691+/-137.002 χ^2/NDF: 35.8/15

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 2.239+/-144.964 χ^2/NDF:30.6/23

Out: -72.258+/-147.608 χ^2/NDF:53.1/25

All: -34.336+/-103.427 χ^2/NDF: 83.9/49



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: 496.870+/-0.135 χ^2/NDF:417112.8/7

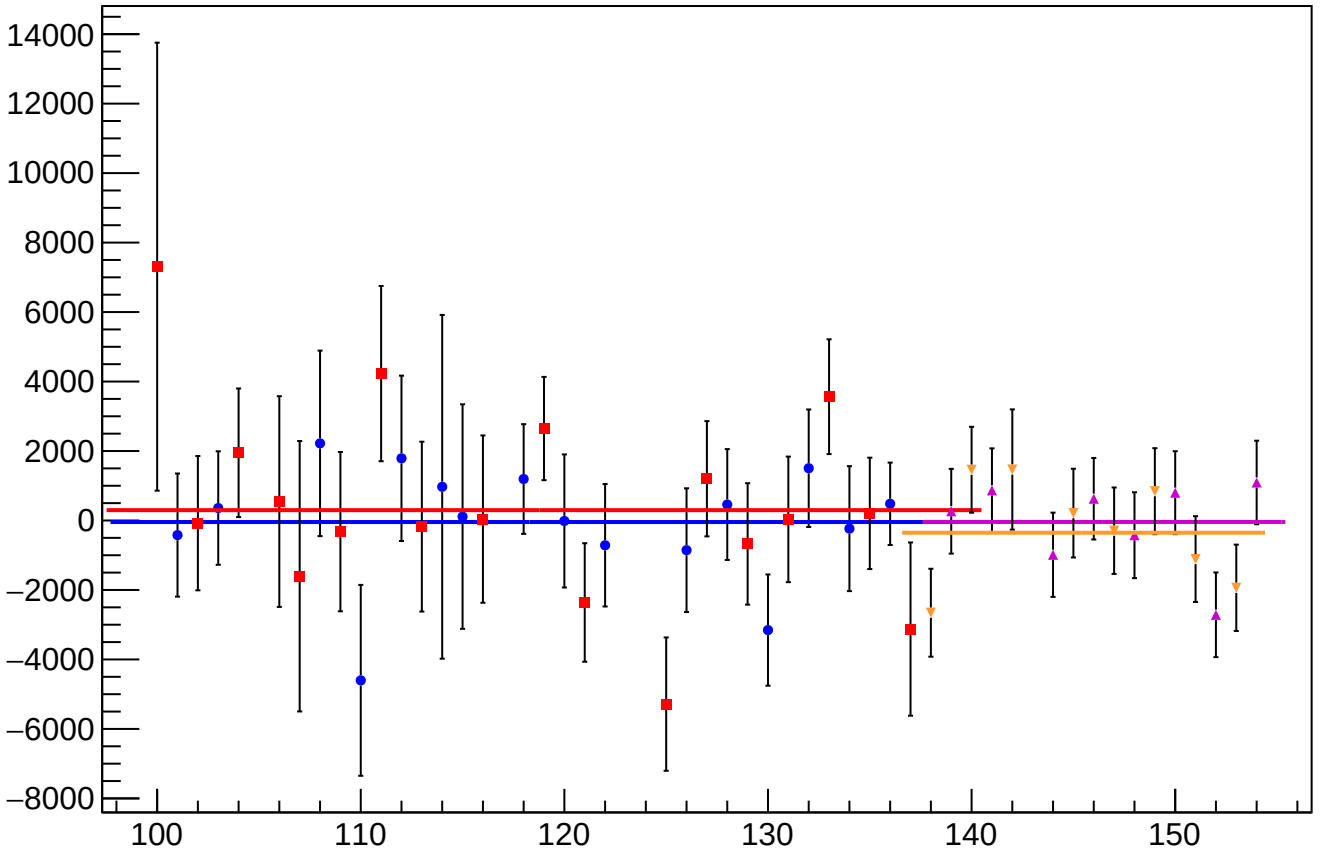
Left: 489.269+/-0.097 χ^2/NDF: 779889.9/15

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 525.677+/-0.103 χ^2/NDF:1809286.0/23

Out: 516.200+/-0.104 χ^2/NDF:1853232.6/25

All: 521.024+/-0.073 χ^2/NDF: 3666715.6/49



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -352.542+/-455.112 χ^2/NDF:9.7/7

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -41.399+/-427.023 χ^2/NDF:7.9/7

Left: -187.073+/-311.408 χ^2/NDF: 17.8/15

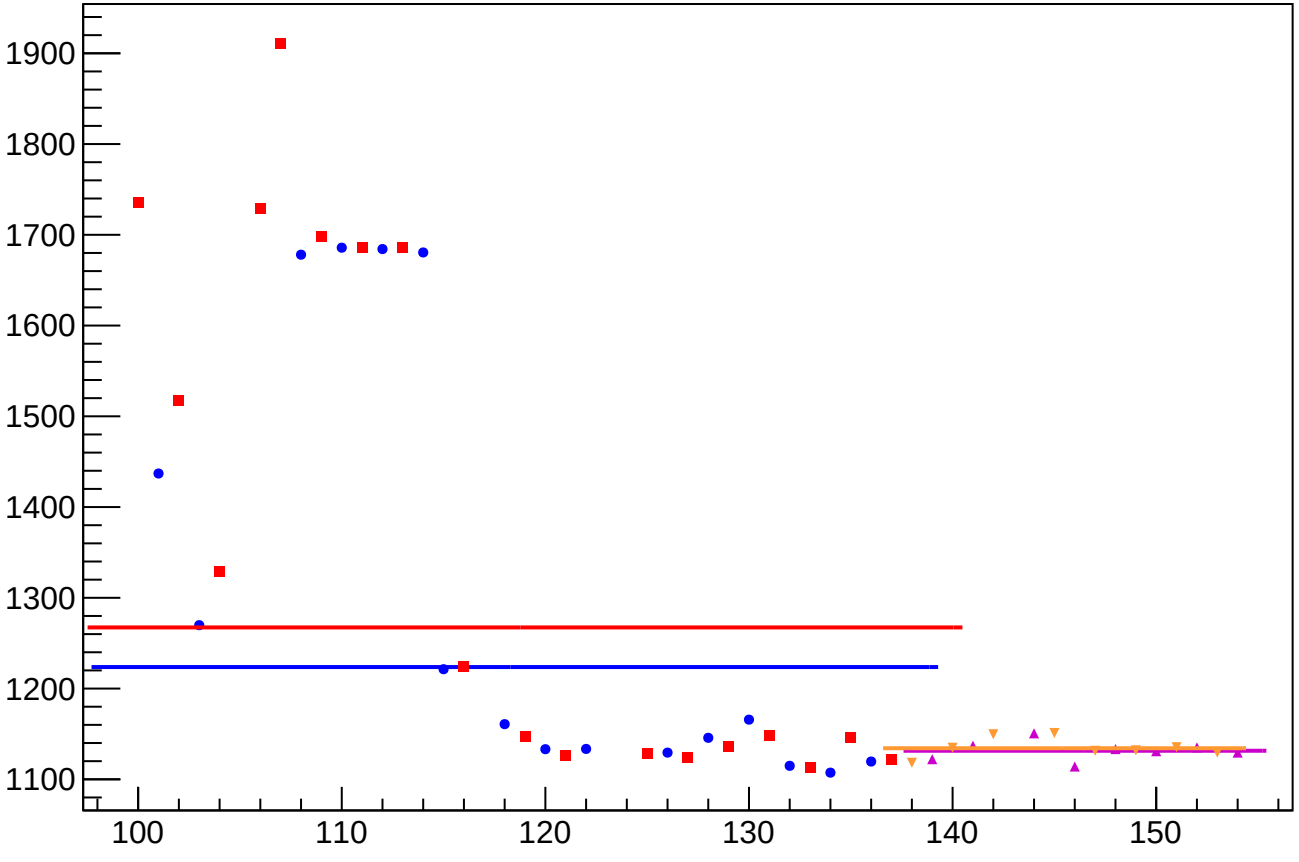
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -42.569+/-312.715 χ^2/NDF:17.9/23

Out: -41.290+/-328.723 χ^2/NDF:35.3/25

All: -41.962+/-226.571 χ^2/NDF: 53.3/49

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: 1131.476+/-0.302 χ^2/NDF:1130.0/7

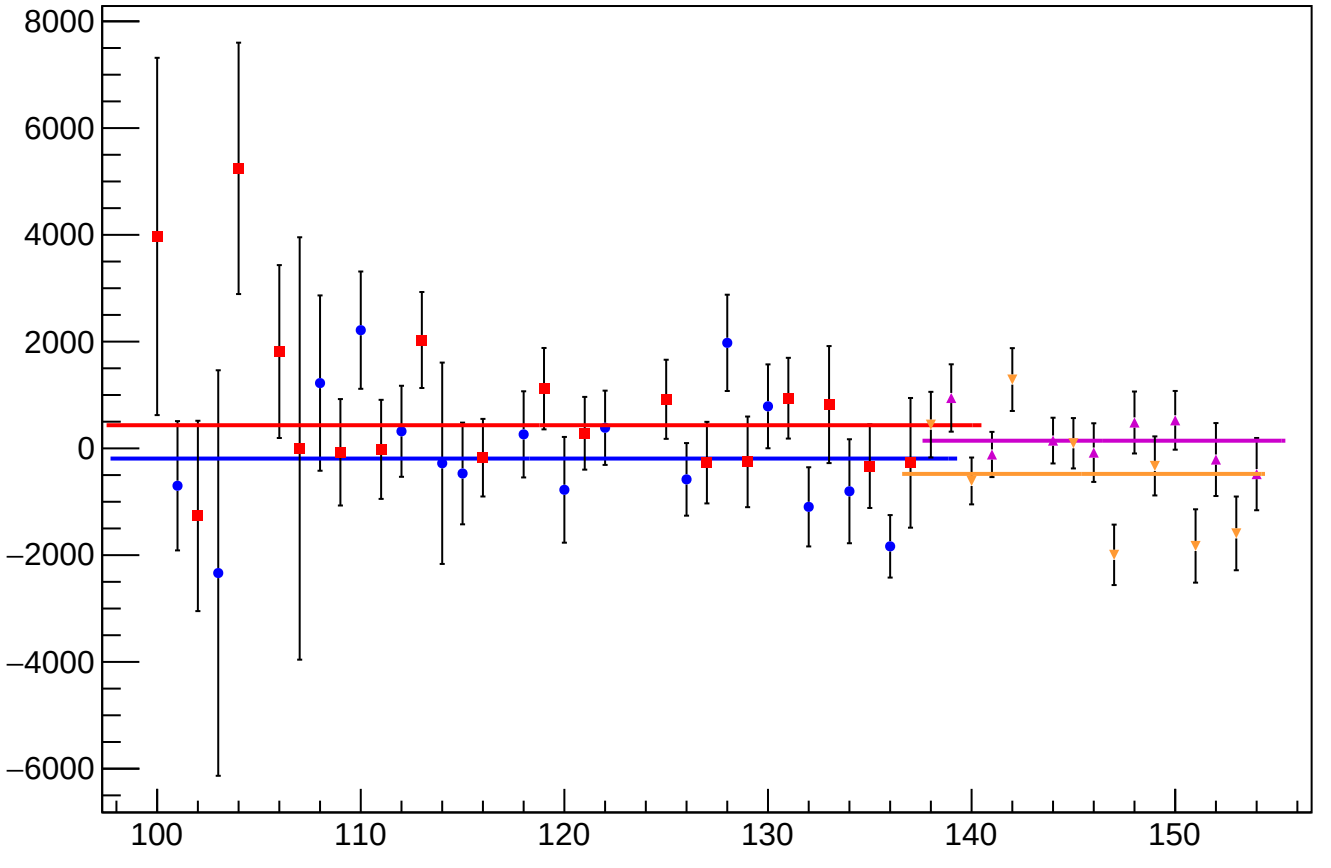
Left: 1132.776+/-0.220 χ^2/NDF: 2041.5/15

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1174.244+/-0.221 χ^2/NDF:339359.4/23

Out: 1197.919+/-0.232 χ^2/NDF:522683.9/25

All: 1185.491+/-0.160 χ^2/NDF: 867489.2/49



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: 143.684+/-190.853 χ^2/NDF:4.1/7

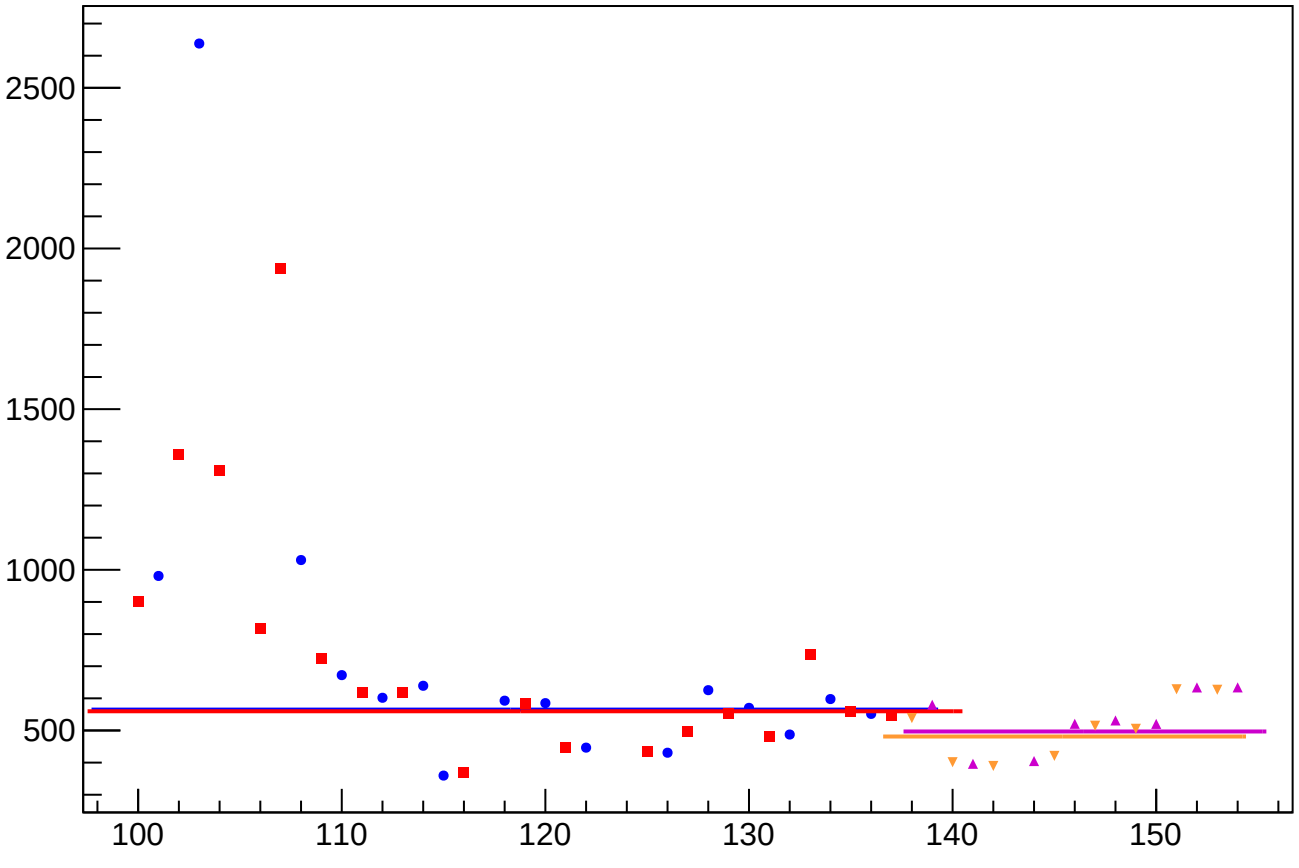
Left: -157.683+/-137.001 χ^2/NDF: 35.8/15

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 2.236+/-144.963 χ^2/NDF:30.6/23

Out: -79.928+/-147.707 χ^2/NDF:51.9/25

All: -38.076+/-103.461 χ^2/NDF: 82.7/49



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: 496.871+/-0.135 χ^2/NDF:417077.0/7

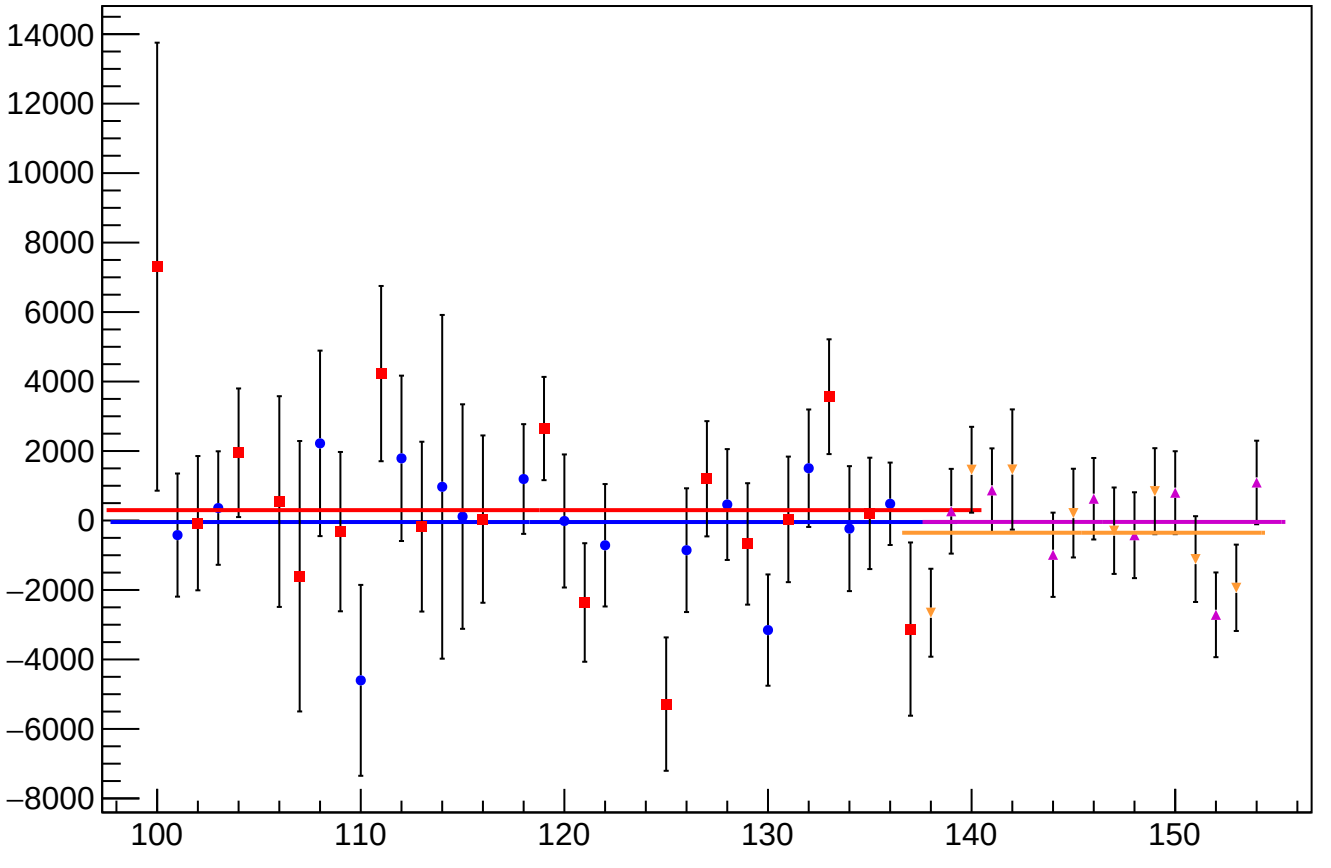
Left: 489.268+/-0.097 χ^2/NDF: 779816.4/15

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 525.676+/-0.103 χ^2/NDF:1809212.3/23

Out: 515.489+/-0.104 χ^2/NDF:1824754.5/25

All: 520.678+/-0.073 χ^2/NDF: 3638812.4/49



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -352.542+/-455.112 χ^2/NDF:9.7/7

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -41.399+/-427.023 χ^2/NDF:7.9/7

Left: -187.073+/-311.408 χ^2/NDF: 17.8/15

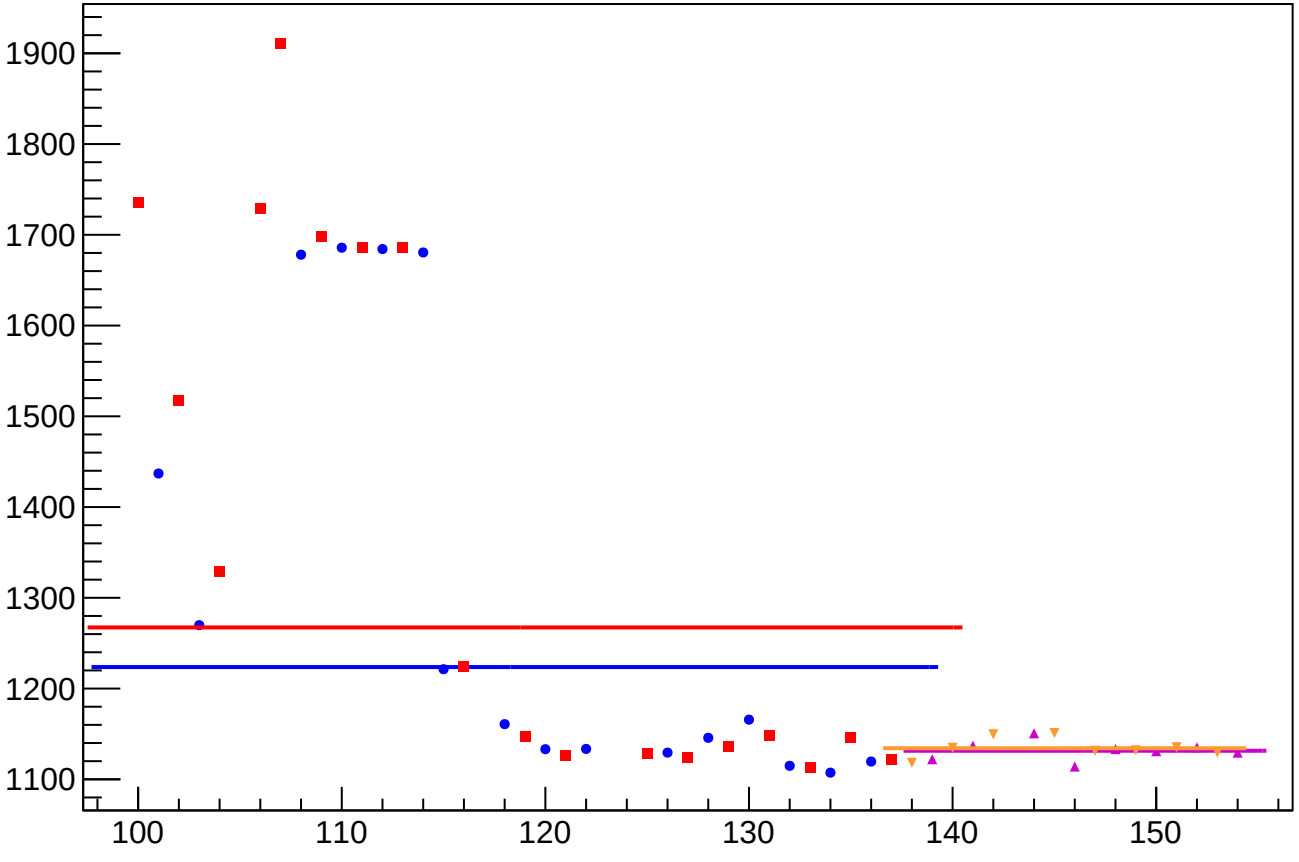
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -42.569+/-312.715 χ^2/NDF:17.9/23

Out: -41.290+/-328.723 χ^2/NDF:35.3/25

All: -41.962+/-226.571 χ^2/NDF: 53.3/49

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: 1131.476+/-0.302 χ^2/NDF:1130.0/7

Left: 1132.776+/-0.220 χ^2/NDF: 2041.5/15

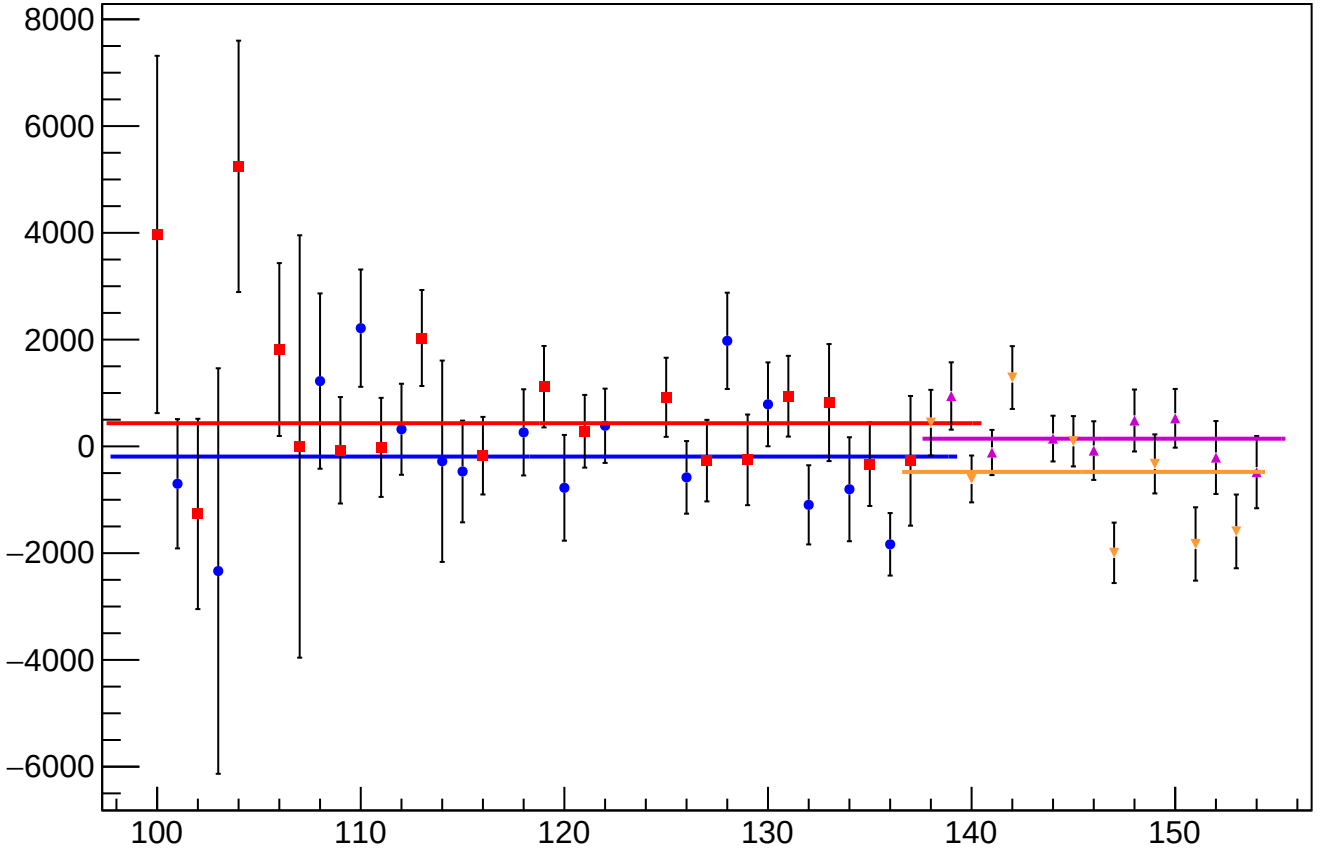
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1174.244+/-0.221 χ^2/NDF:339359.4/23

Out: 1197.919+/-0.232 χ^2/NDF:522683.9/25

All: 1185.491+/-0.160 χ^2/NDF: 867489.2/49

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: 143.684+/-190.853 χ^2/NDF:4.1/7

Left: -157.683+/-137.001 χ^2/NDF: 35.8/15

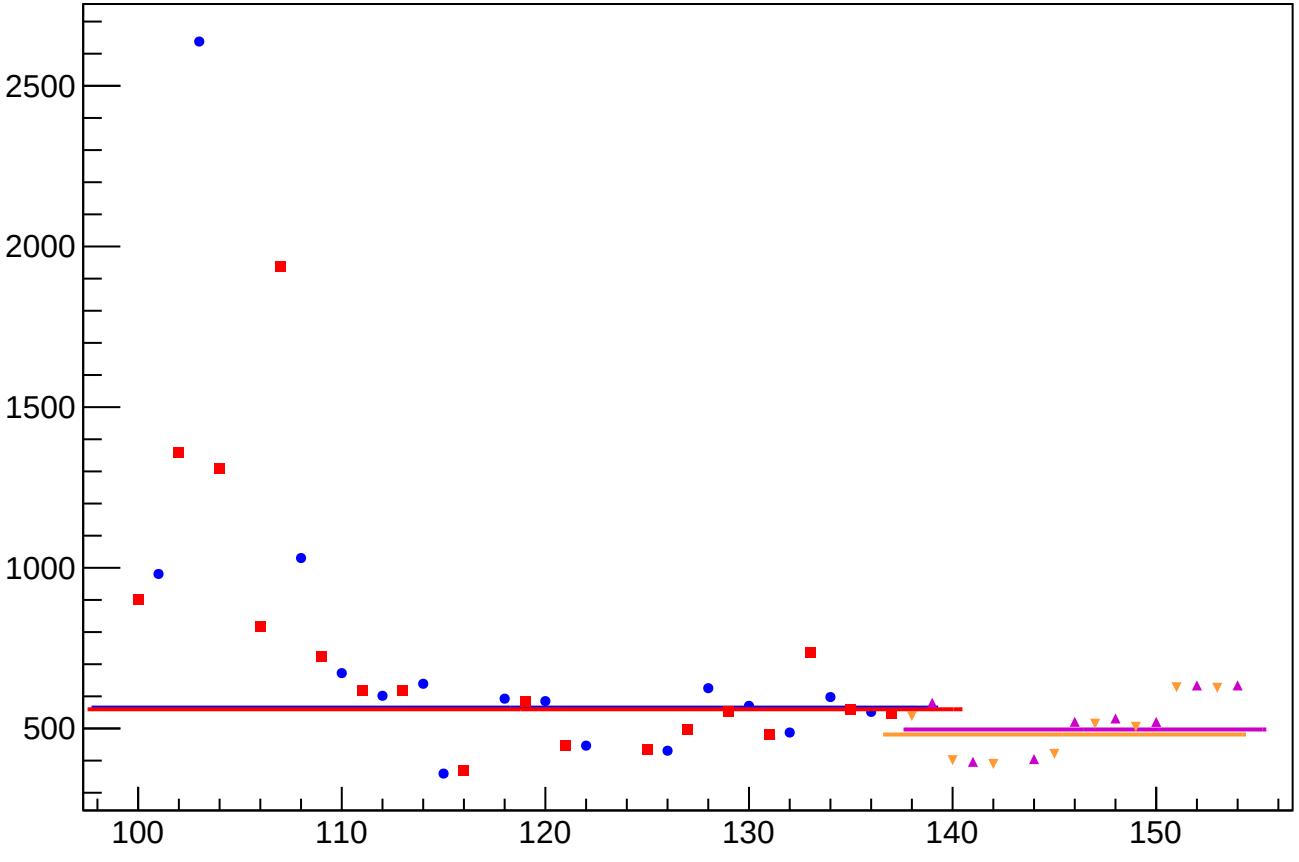
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 2.236+/-144.963 χ^2/NDF:30.6/23

Out: -79.928+/-147.707 χ^2/NDF:51.9/25

All: -38.076+/-103.461 χ^2/NDF: 82.7/49

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: 496.871+/-0.135 χ^2/NDF:417077.0/7

Left: 489.268+/-0.097 χ^2/NDF: 779816.4/15

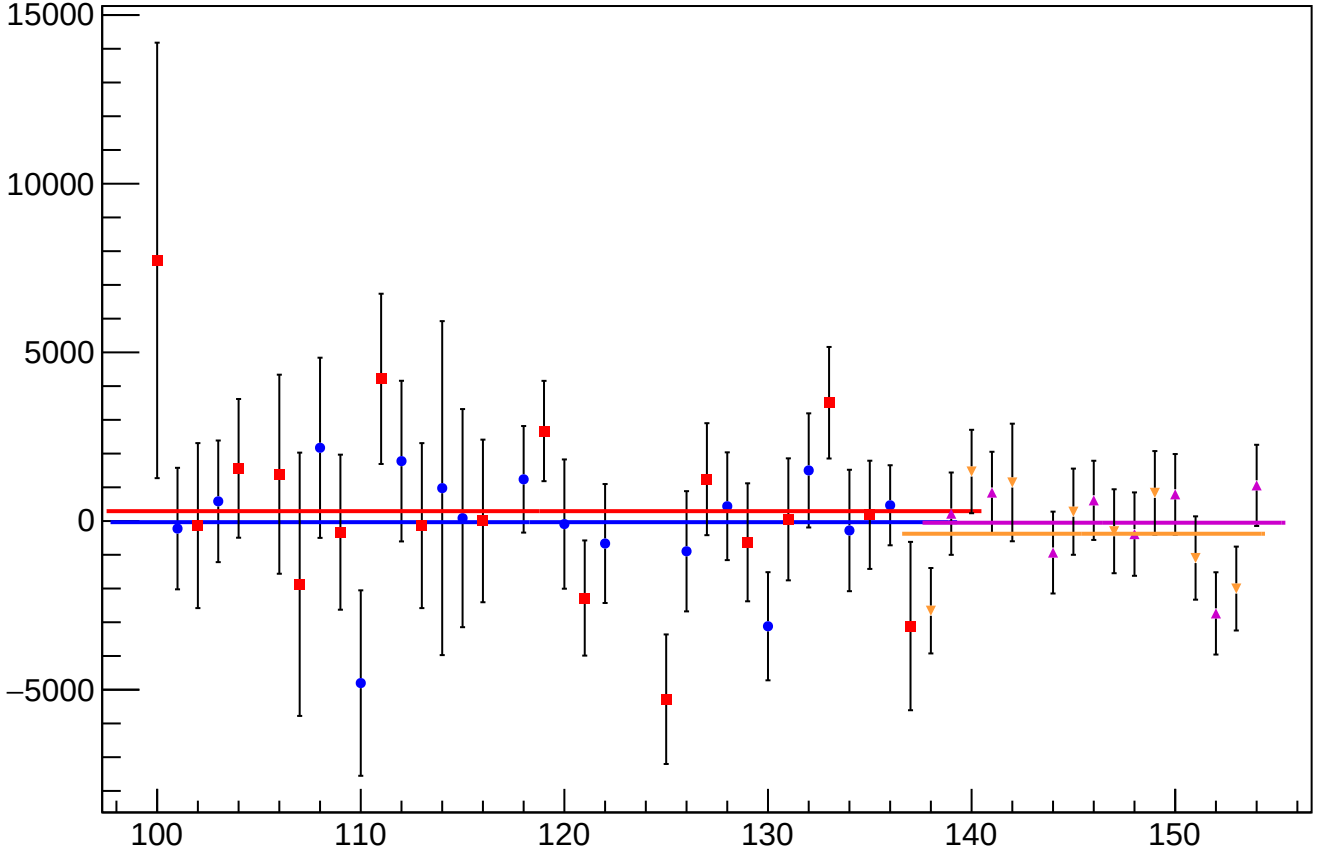
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 525.676+/-0.103 χ^2/NDF:1809212.3/23

Out: 515.489+/-0.104 χ^2/NDF:1824754.5/25

All: 520.678+/-0.073 χ^2/NDF: 3638812.4/49

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: -49.628+/-427.189 χ^2/NDF:7.7/7

Left: -202.451+/-311.596 χ^2/NDF: 17.5/15

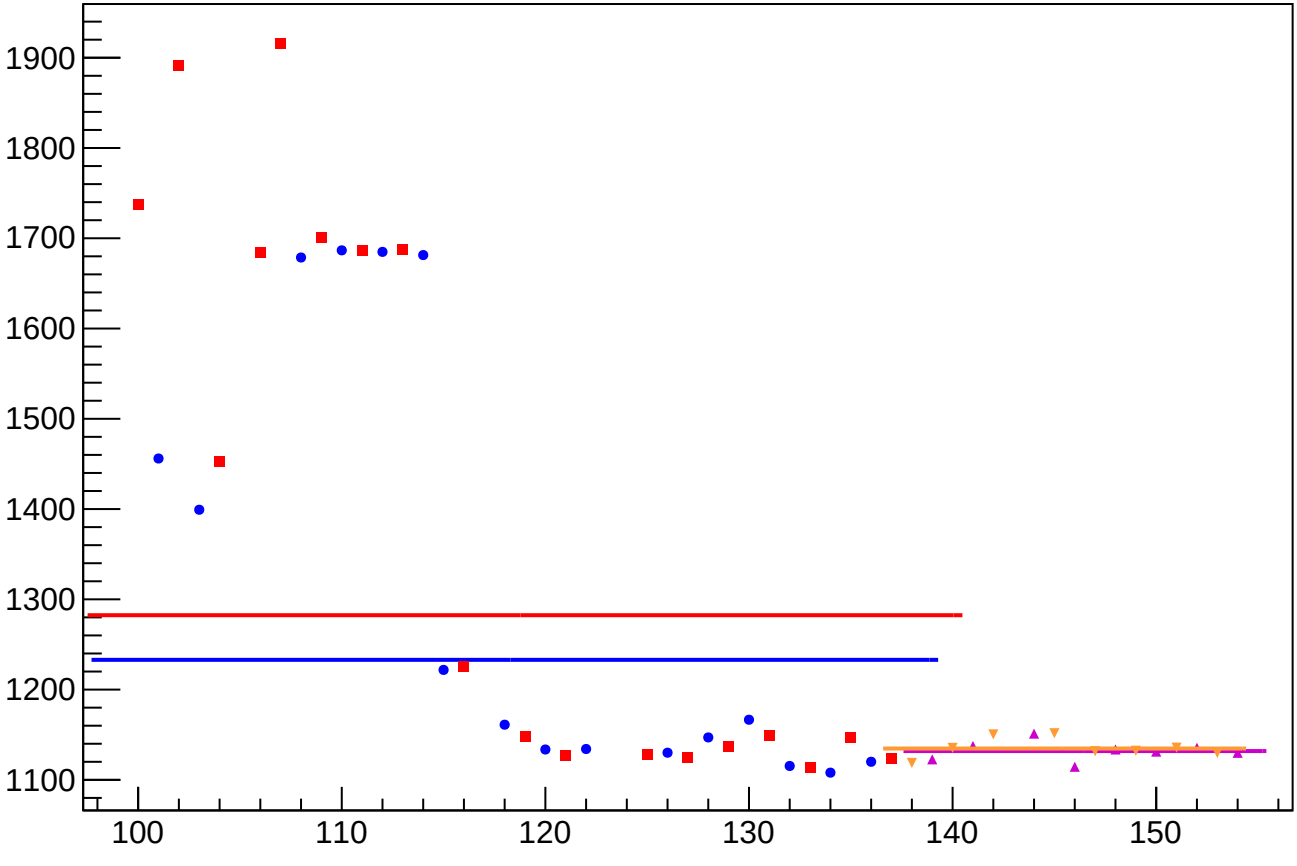
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -42.014+/-314.033 χ^2/NDF:18.0/23

Out: -61.591+/-331.652 χ^2/NDF:34.8/25

All: -51.269+/-228.029 χ^2/NDF: 52.8/49

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: 1131.915+/-0.302 χ^2/NDF:1130.3/7

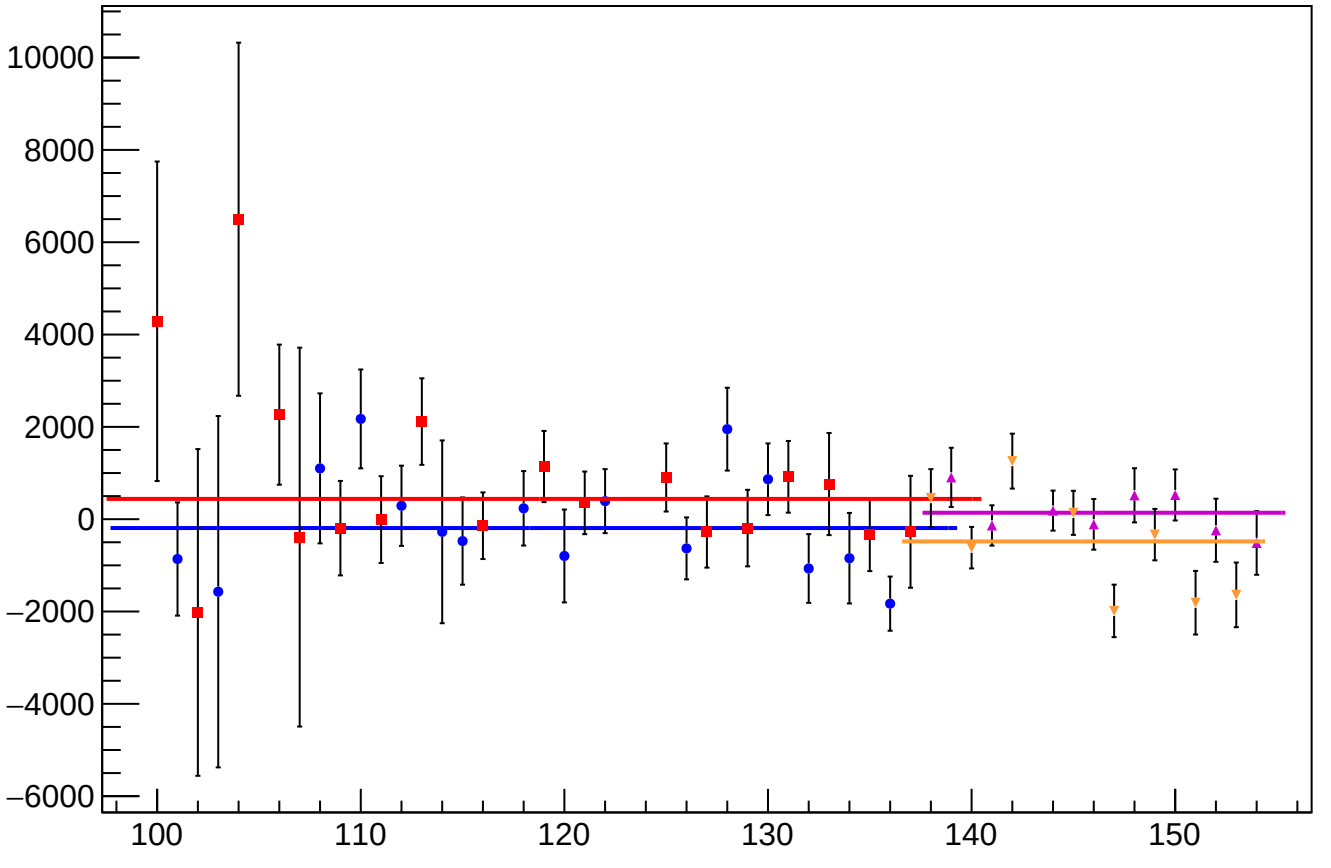
Left: 1133.221+/-0.220 χ^2/NDF: 2052.3/15

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1178.358+/-0.222 χ^2/NDF:368034.9/23

Out: 1204.105+/-0.235 χ^2/NDF:643092.2/25

All: 1190.529+/-0.161 χ^2/NDF: 1017482.5/49



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: 139.891+/-193.420 χ^2/NDF:4.2/7

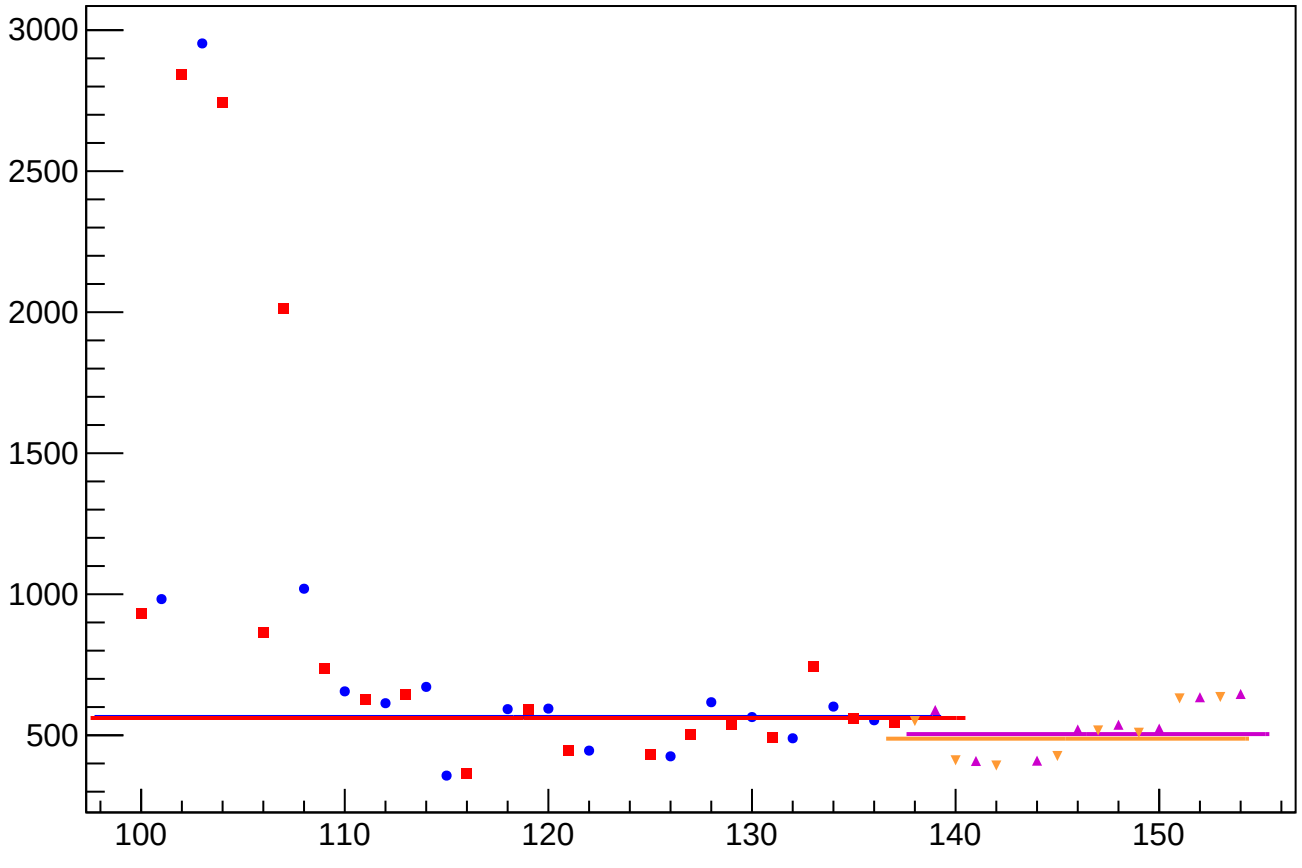
Left: -161.240+/-138.831 χ^2/NDF: 35.2/15

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -2.566+/-146.049 χ^2/NDF:30.7/23

Out: -79.401+/-149.690 χ^2/NDF:50.0/25

All: -40.038+/-104.536 χ^2/NDF: 80.9/49



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: 504.183+/-0.137 χ^2/NDF:393914.5/7

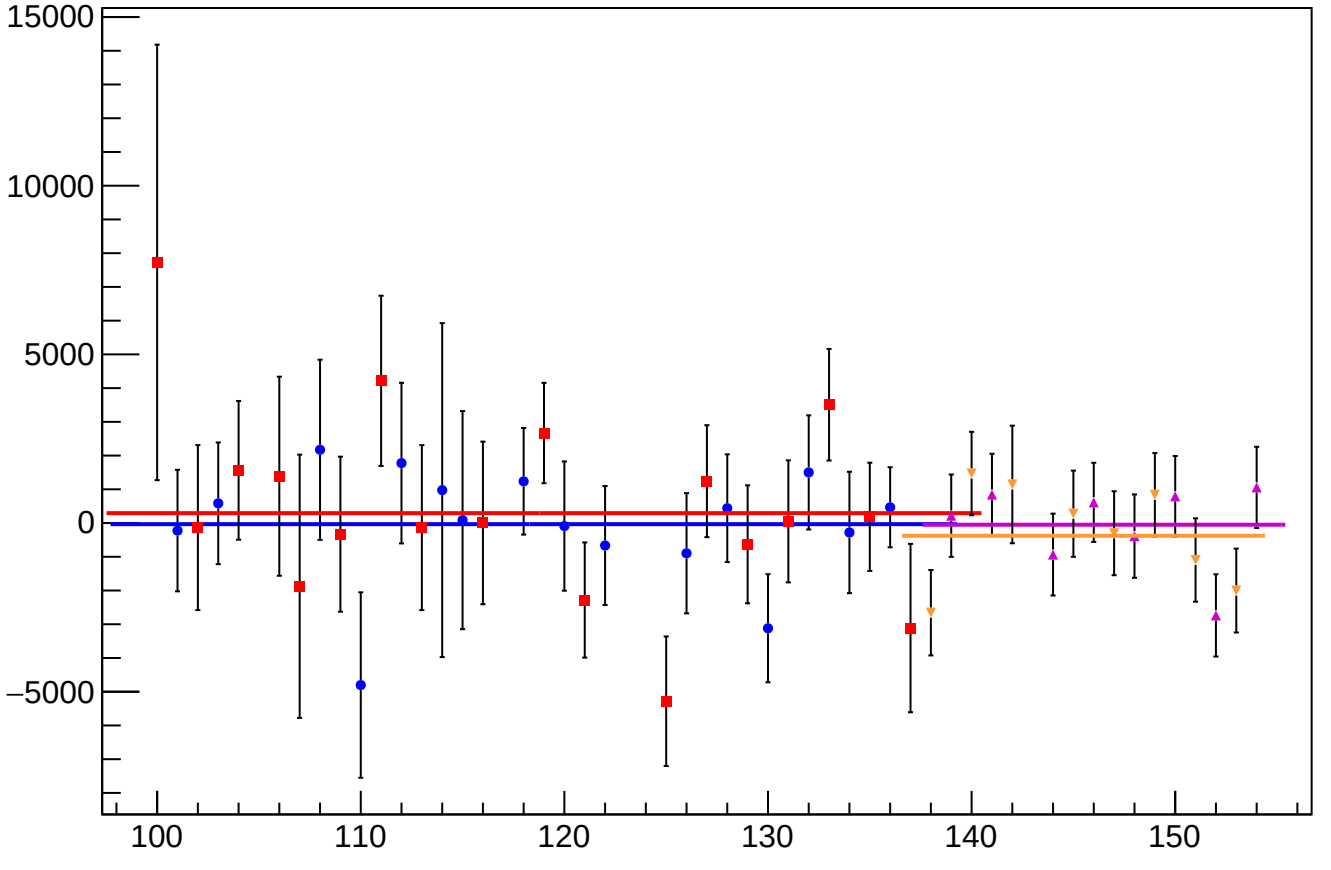
Left: 496.312+/-0.098 χ^2/NDF: 745953.2/15

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 530.269+/-0.103 χ^2/NDF:1958922.2/23

Out: 519.945+/-0.106 χ^2/NDF:2736612.5/25

All: 525.234+/-0.074 χ^2/NDF: 4700408.6/49



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: -49.627+/-427.189 χ^2/NDF:7.7/7

Left: -202.452+/-311.596 χ^2/NDF: 17.5/15

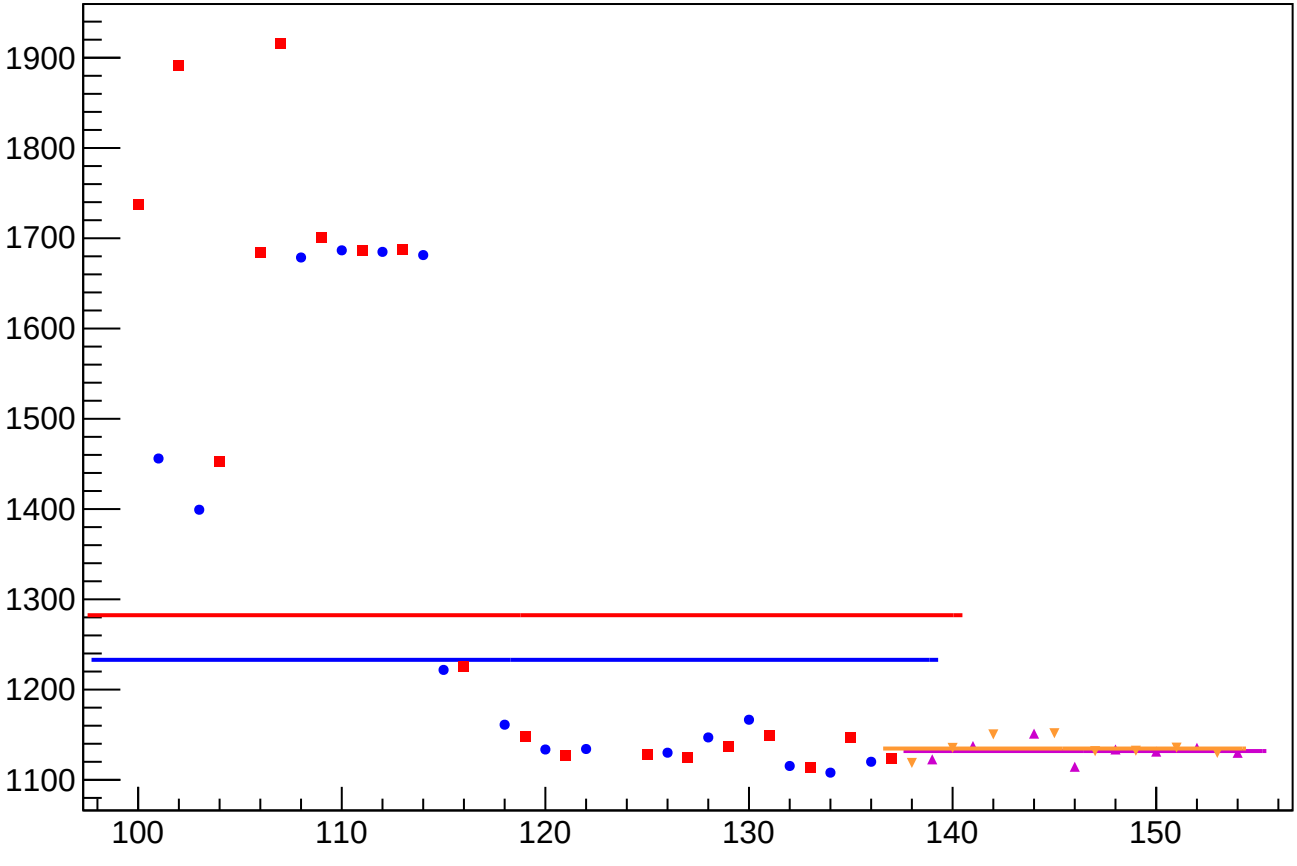
Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -42.013+/-314.033 χ^2/NDF:18.0/23

Out: -61.593+/-331.652 χ^2/NDF:34.8/25

All: -51.269+/-228.029 χ^2/NDF: 52.8/49

eigen_dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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: 1131.915+/-0.302 χ^2/NDF:1130.3/7

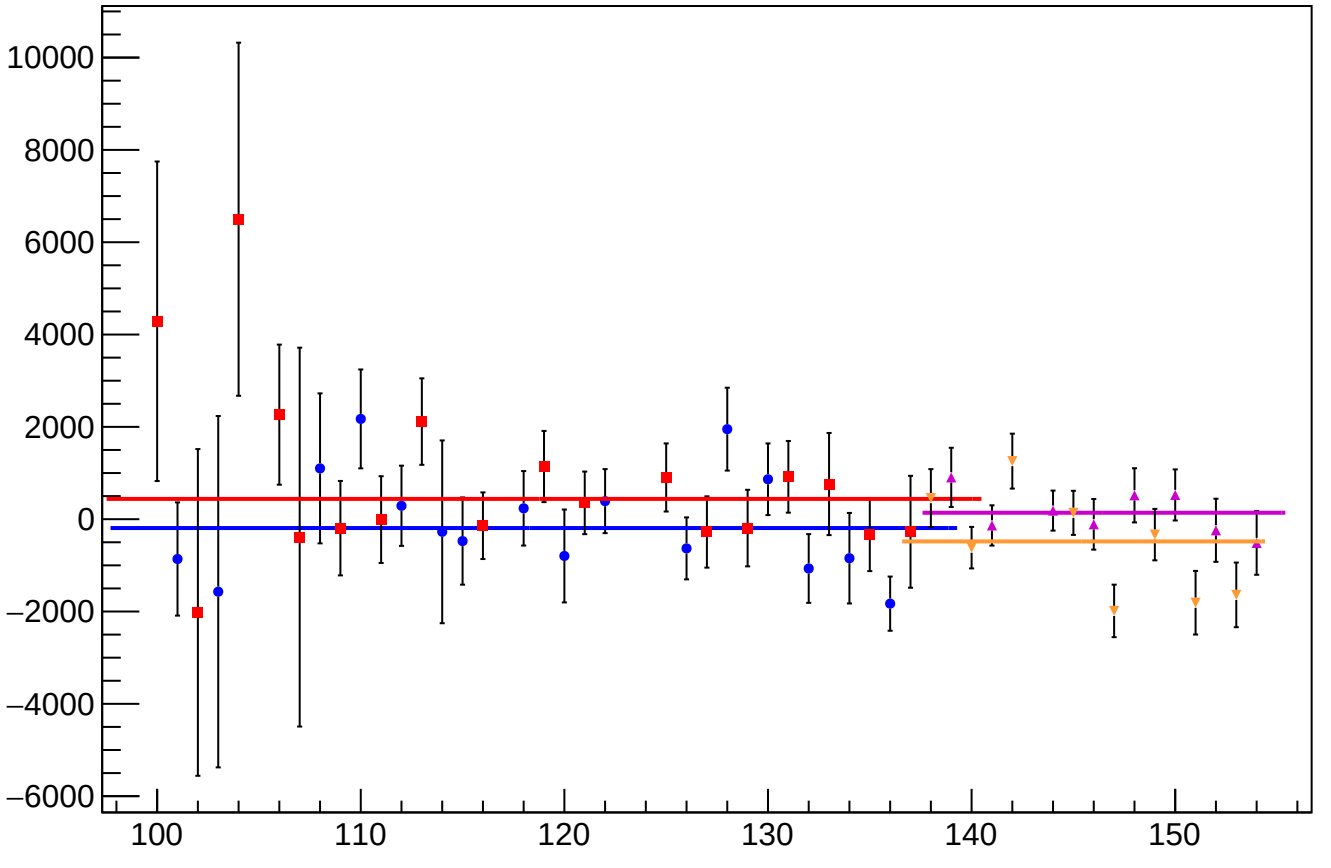
Left: 1133.221+/-0.220 χ^2/NDF: 2052.3/15

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1178.358+/-0.222 χ^2/NDF:368034.4/23

Out: 1204.105+/-0.235 χ^2/NDF:643091.6/25

All: 1190.529+/-0.161 χ^2/NDF: 1017481.4/49



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -481.241+/-199.388 χ^2/NDF:26.1/7

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 139.891+/-193.420 χ^2/NDF:4.2/7

Left: -161.239+/-138.830 χ^2/NDF: 35.2/15

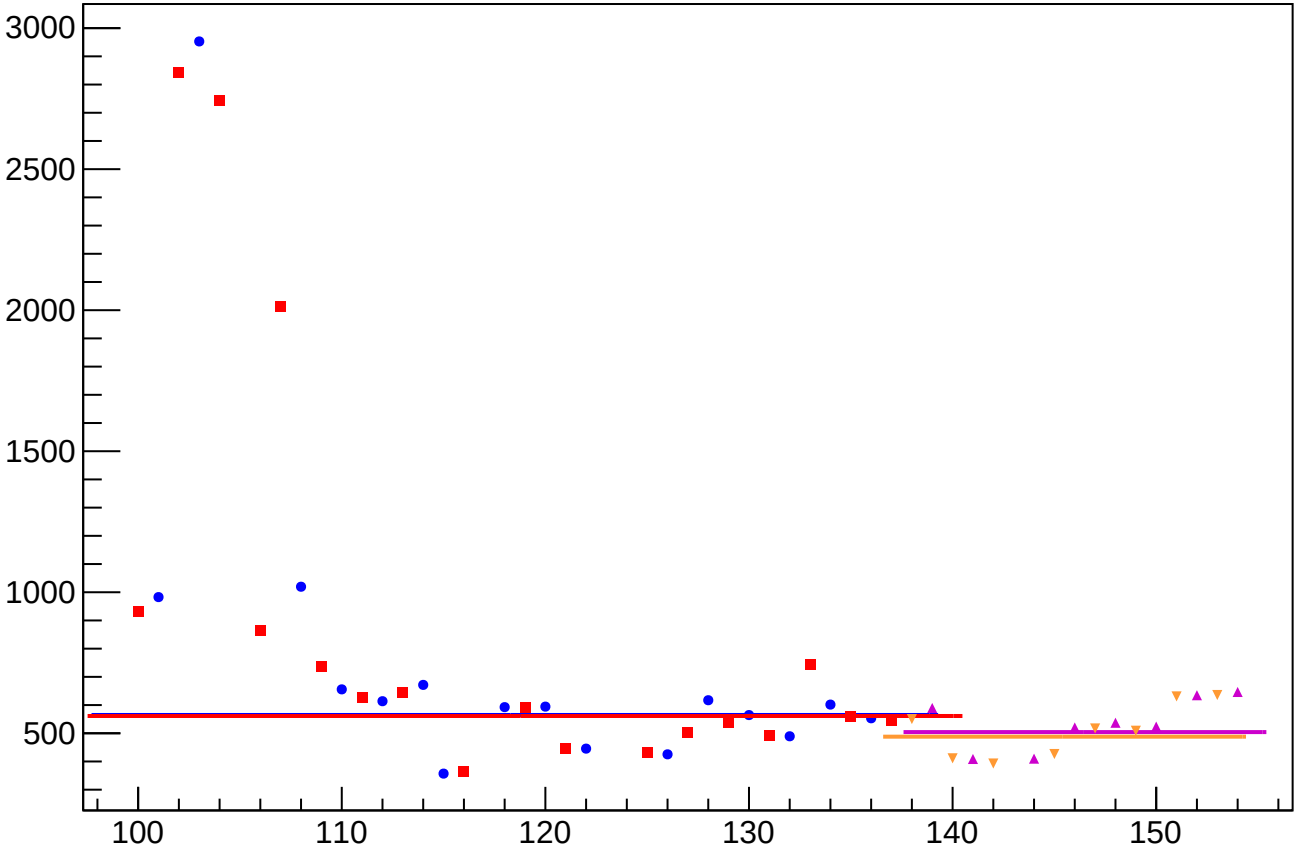
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -2.566+/-146.049 χ^2/NDF:30.7/23

Out: -79.400+/-149.690 χ^2/NDF:50.0/25

All: -40.037+/-104.536 χ^2/NDF: 80.9/49

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: 504.183+/-0.137 χ^2/NDF:393926.0/7

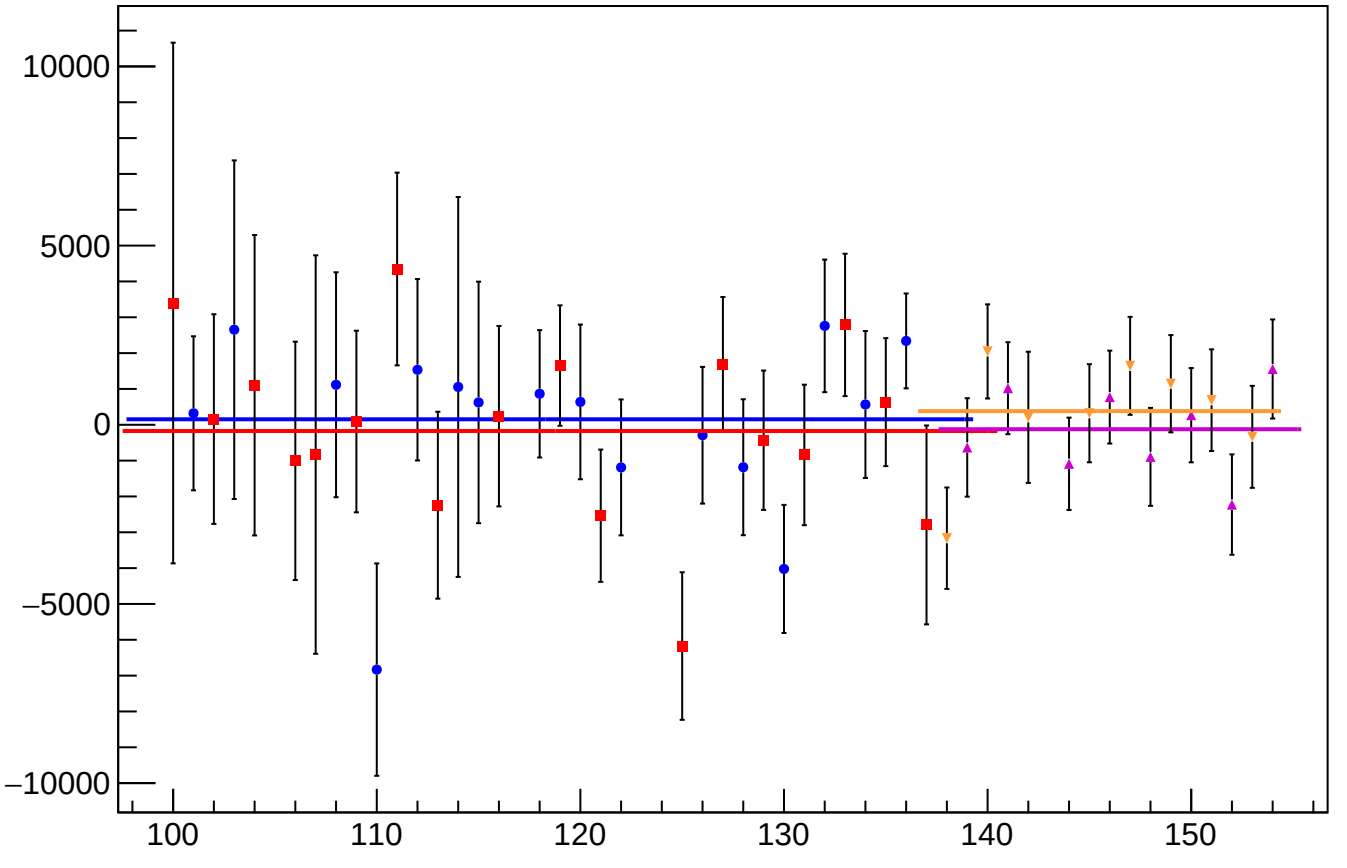
Left: 496.311+/-0.098 χ^2/NDF: 745978.4/15

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 530.269+/-0.103 χ^2/NDF:1958932.3/23

Out: 519.945+/-0.106 χ^2/NDF:2736629.2/25

All: 525.234+/-0.074 χ^2/NDF: 4700435.7/49



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: -123.921+/-472.453 χ^2/NDF:6.1/7

Left: 113.667+/-343.813 χ^2/NDF: 16.0/15

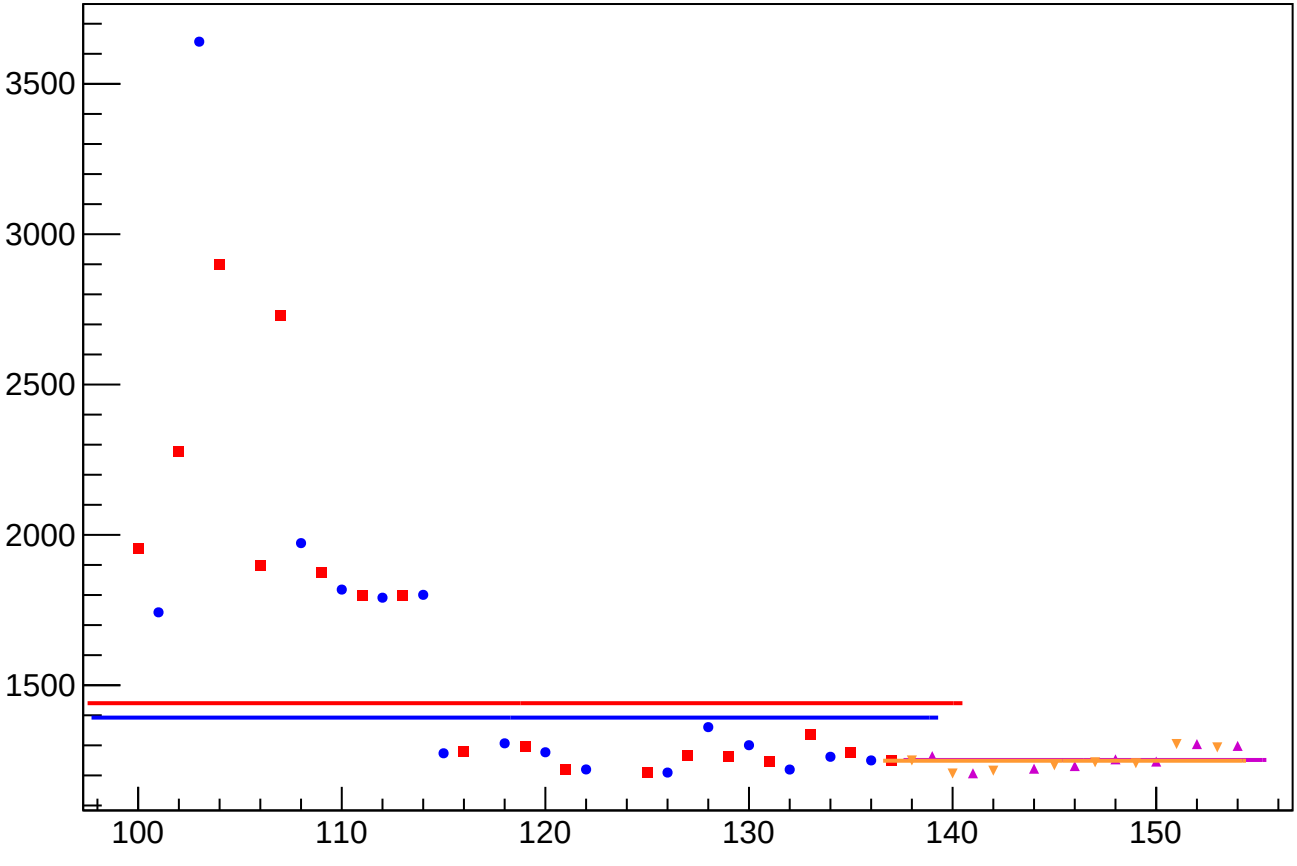
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -1.679+/-353.288 χ^2/NDF:24.0/23

Out: 129.170+/-370.533 χ^2/NDF:29.6/25

All: 60.630+/-255.691 χ^2/NDF: 53.7/49

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: 1251.405+/-0.334 χ^2/NDF:9226.5/7

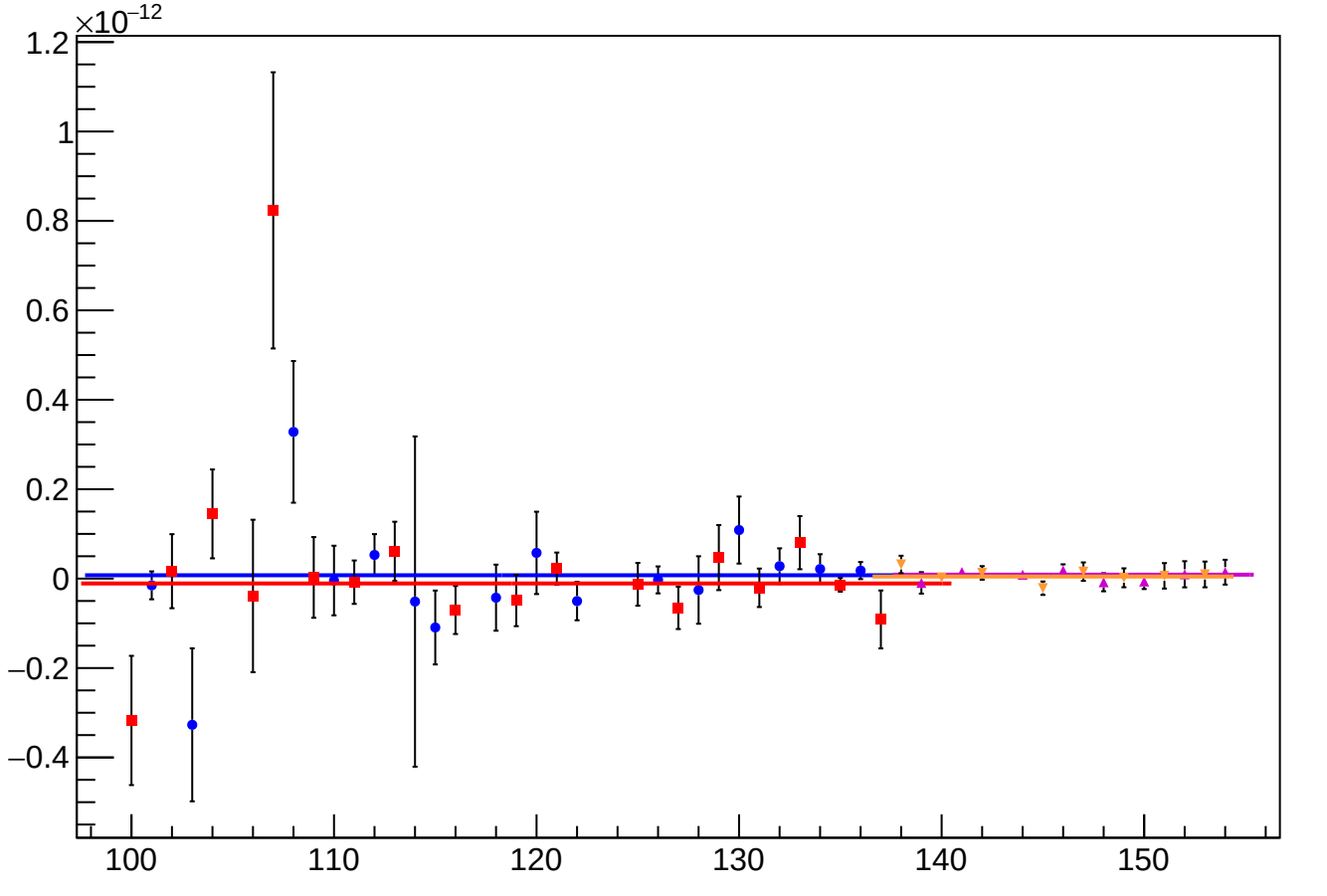
Left: 1250.201+/-0.243 χ^2/NDF: 17359.4/15

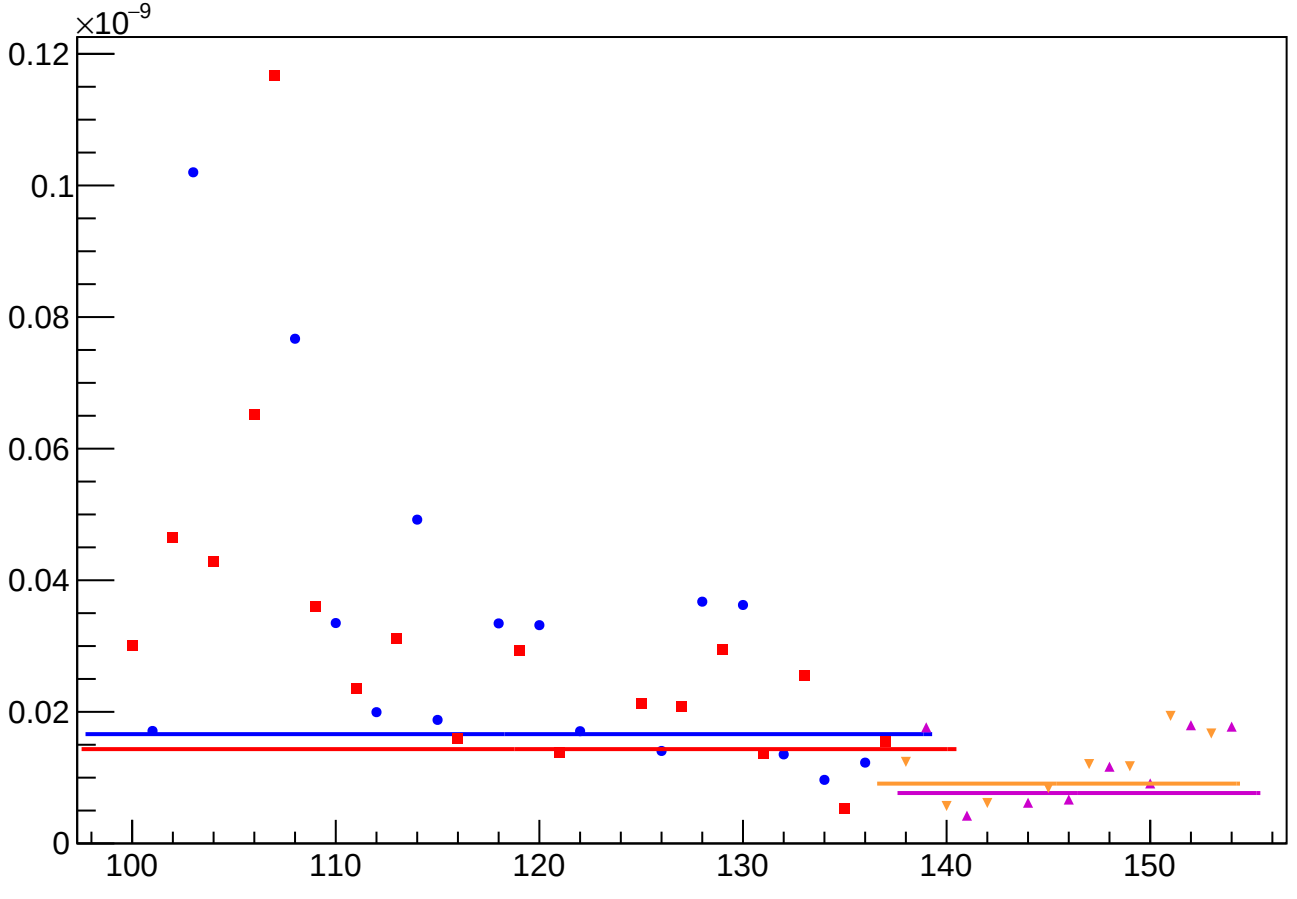
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1313.516+/-0.250 χ^2/NDF:866877.5/23

Out: 1335.656+/-0.262 χ^2/NDF:995225.6/25

All: 1324.059+/-0.181 χ^2/NDF: 1865843.4/49


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:3.0/7
Left: 0.000+/-0.000 χ²/NDF: 8.9/15
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:19.9/23
Out: 0.000+/-0.000 χ²/NDF:31.2/25
All: 0.000+/-0.000 χ²/NDF: 52.4/49



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:1270120.1/7

Left: 0.000+/-0.000 χ^2/NDF: 2130278.4/15

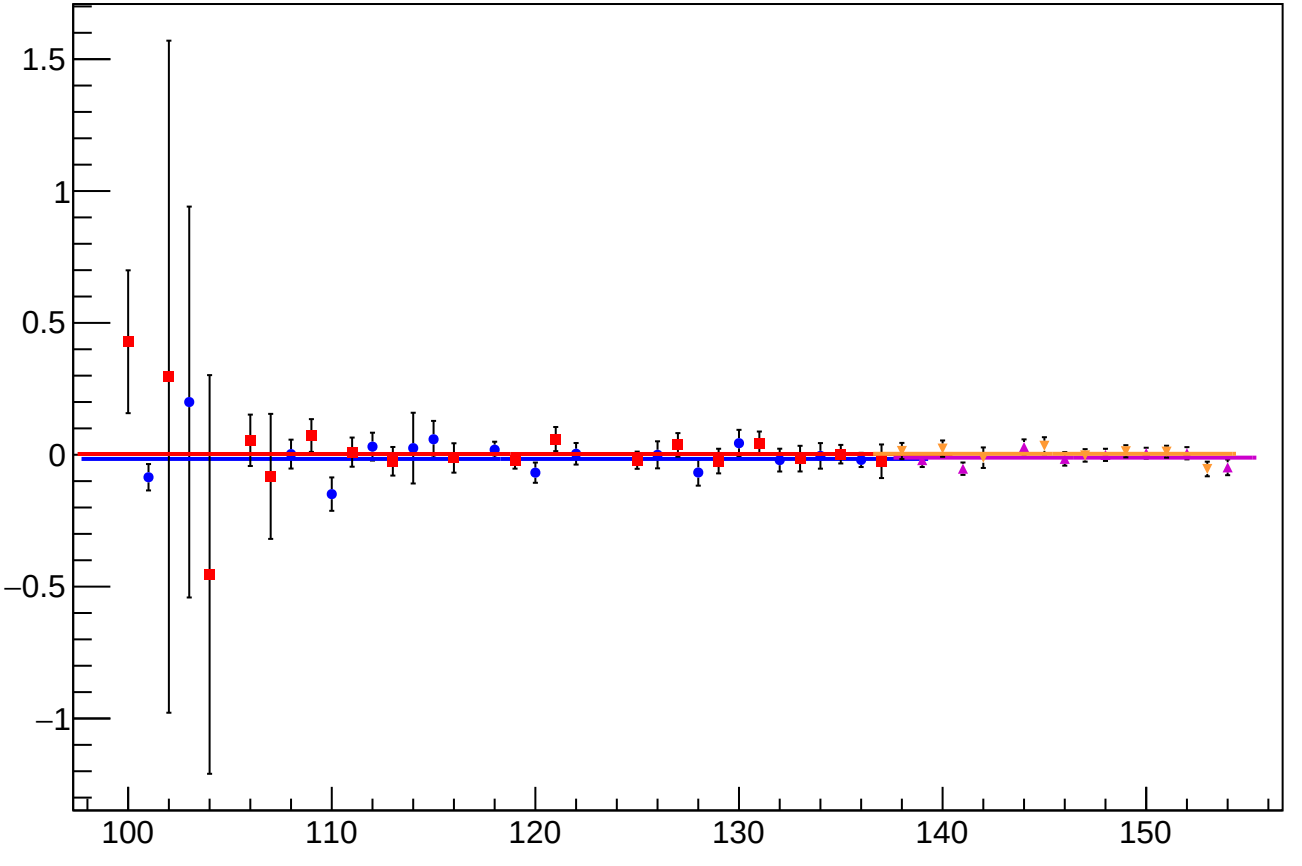
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3938837.0/23

Out: 0.000+/-0.000 χ^2/NDF:3422468.2/25

All: 0.000+/-0.000 χ^2/NDF: 7402608.4/49

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.010 χ^2/NDF:6.2/7

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.011+/-0.009 χ^2/NDF:8.2/7

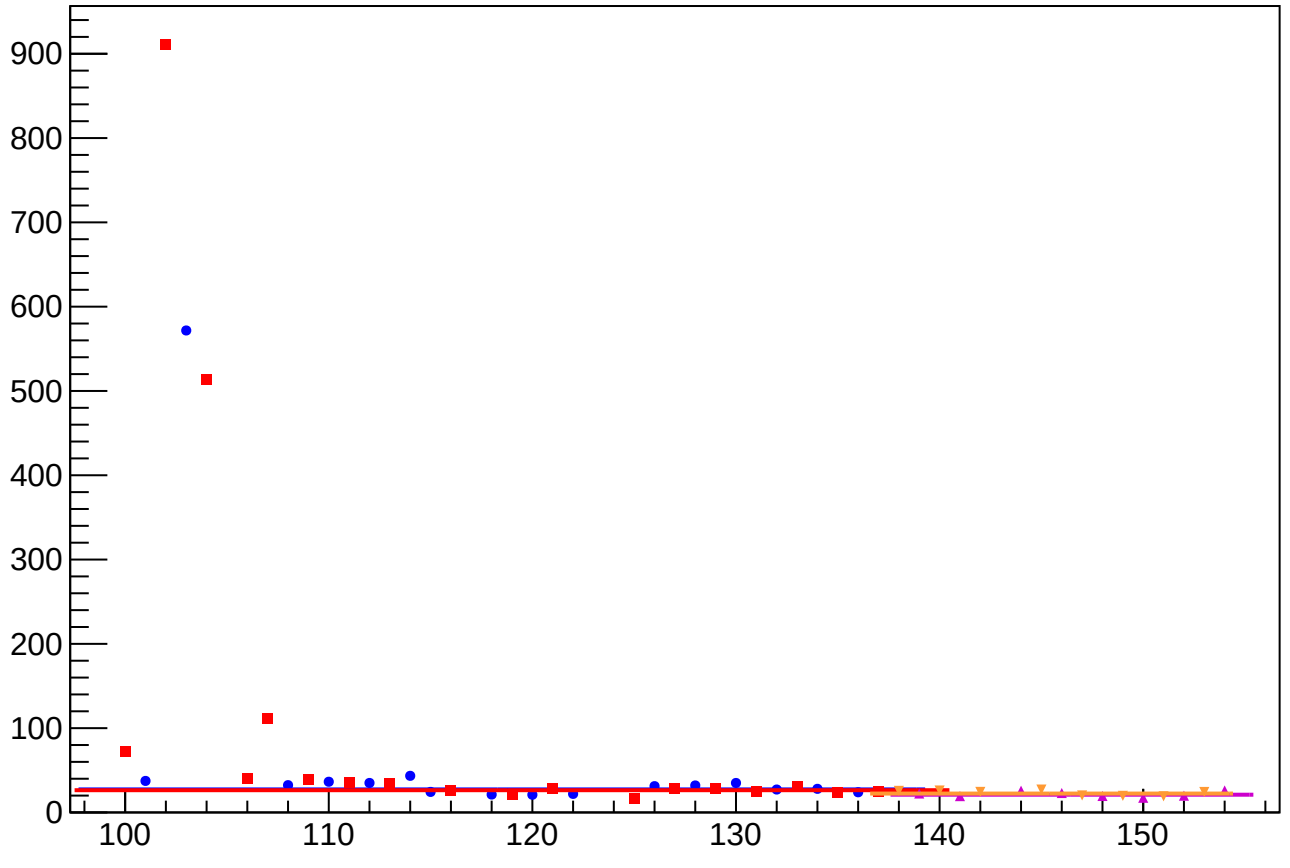
Left: -0.004+/-0.006 χ^2/NDF: 15.6/15

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.013+/-0.007 χ^2/NDF:22.9/23

Out: 0.003+/-0.008 χ^2/NDF:16.1/25

All: -0.005+/-0.005 χ^2/NDF: 41.4/49



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: 21.054+/-0.006 χ^2/NDF:214519.9/7

Left: 21.657+/-0.005 χ^2/NDF: 428630.3/15

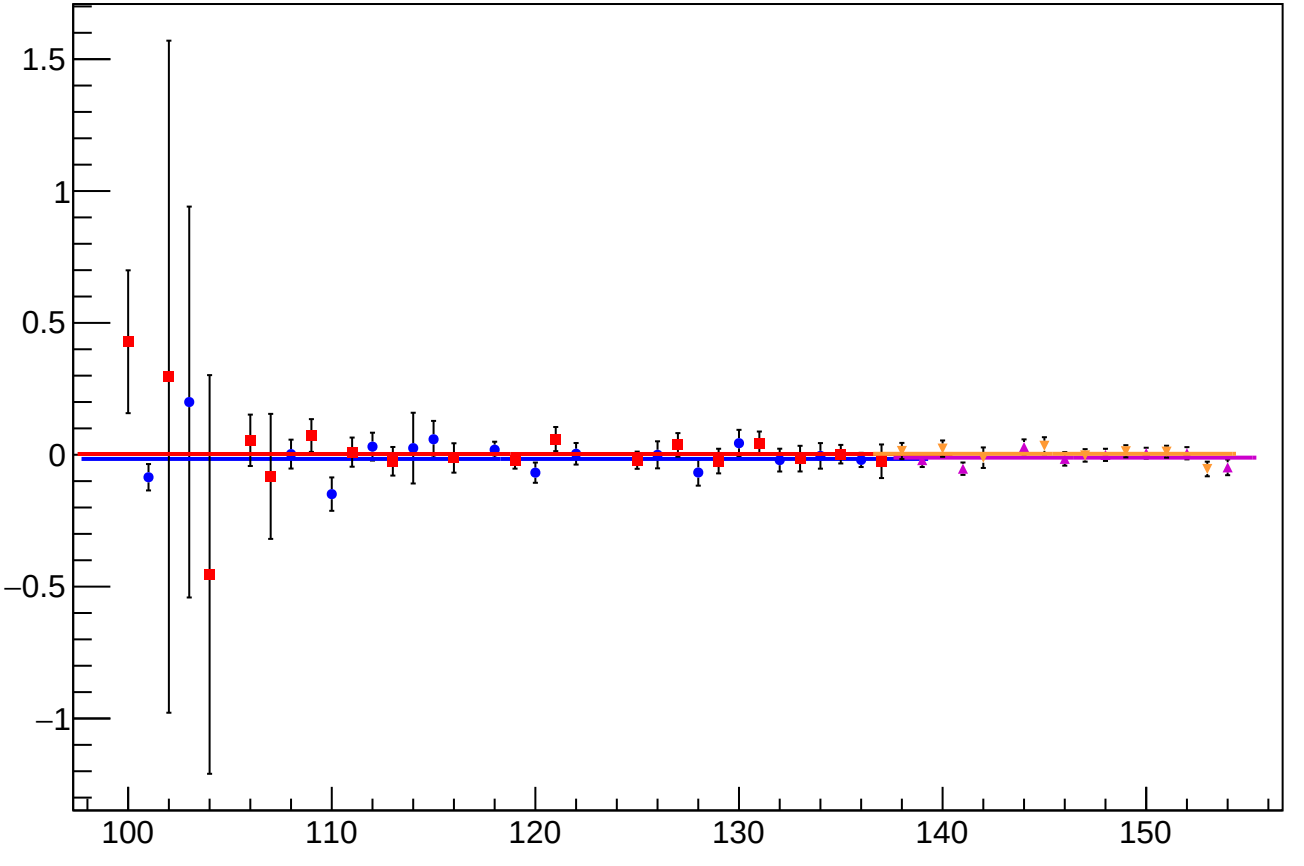
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.321+/-0.005 χ^2/NDF:2155616.3/23

Out: 23.980+/-0.005 χ^2/NDF:2941216.7/25

All: 23.624+/-0.004 χ^2/NDF: 5105071.5/49

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: -0.011+/-0.009 χ^2/NDF:8.2/7

Left: -0.004+/-0.006 χ^2/NDF: 15.6/15

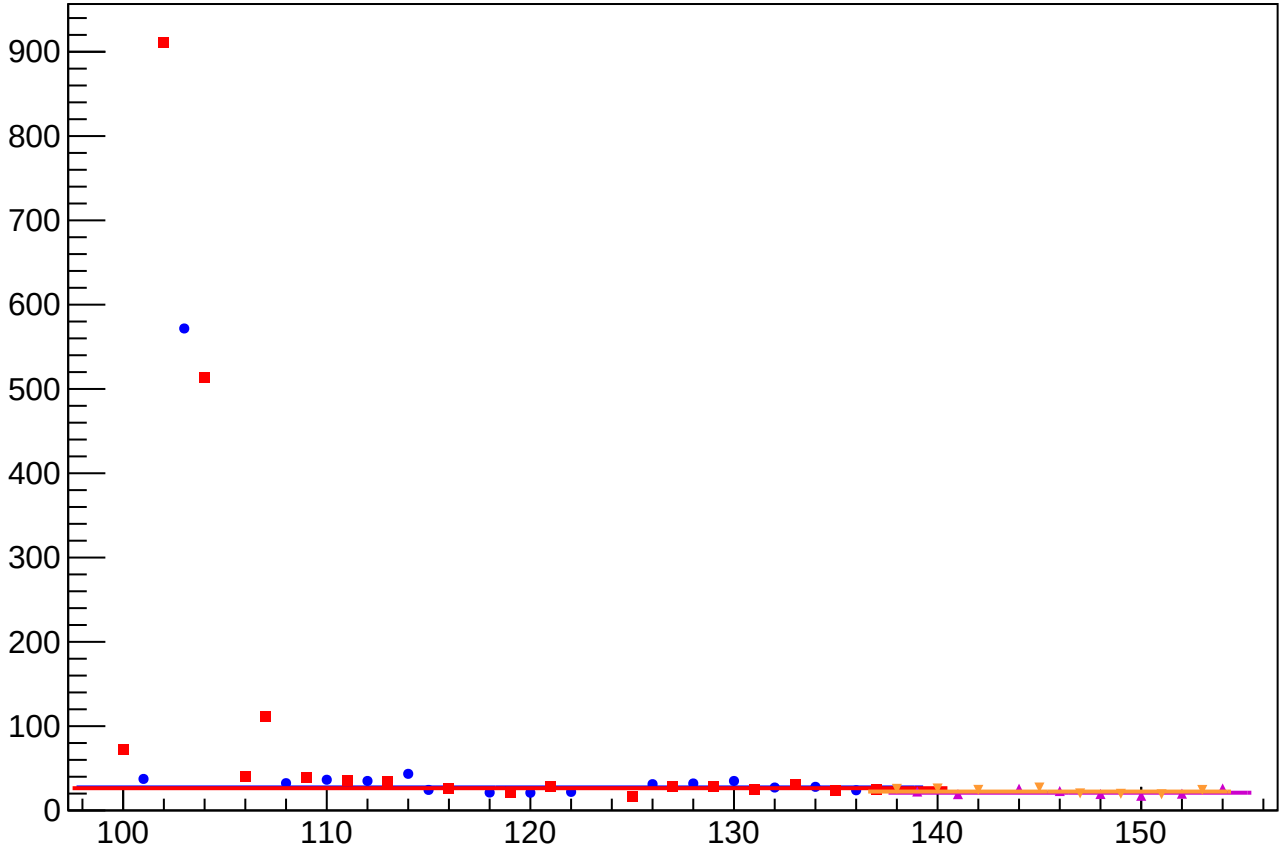
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.013+/-0.007 χ^2/NDF:22.9/23

Out: 0.003+/-0.008 χ^2/NDF:16.1/25

All: -0.005+/-0.005 χ^2/NDF: 41.4/49

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.403+/-0.007 χ^2/NDF:192707.0/7

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.054+/-0.006 χ^2/NDF:214519.9/7

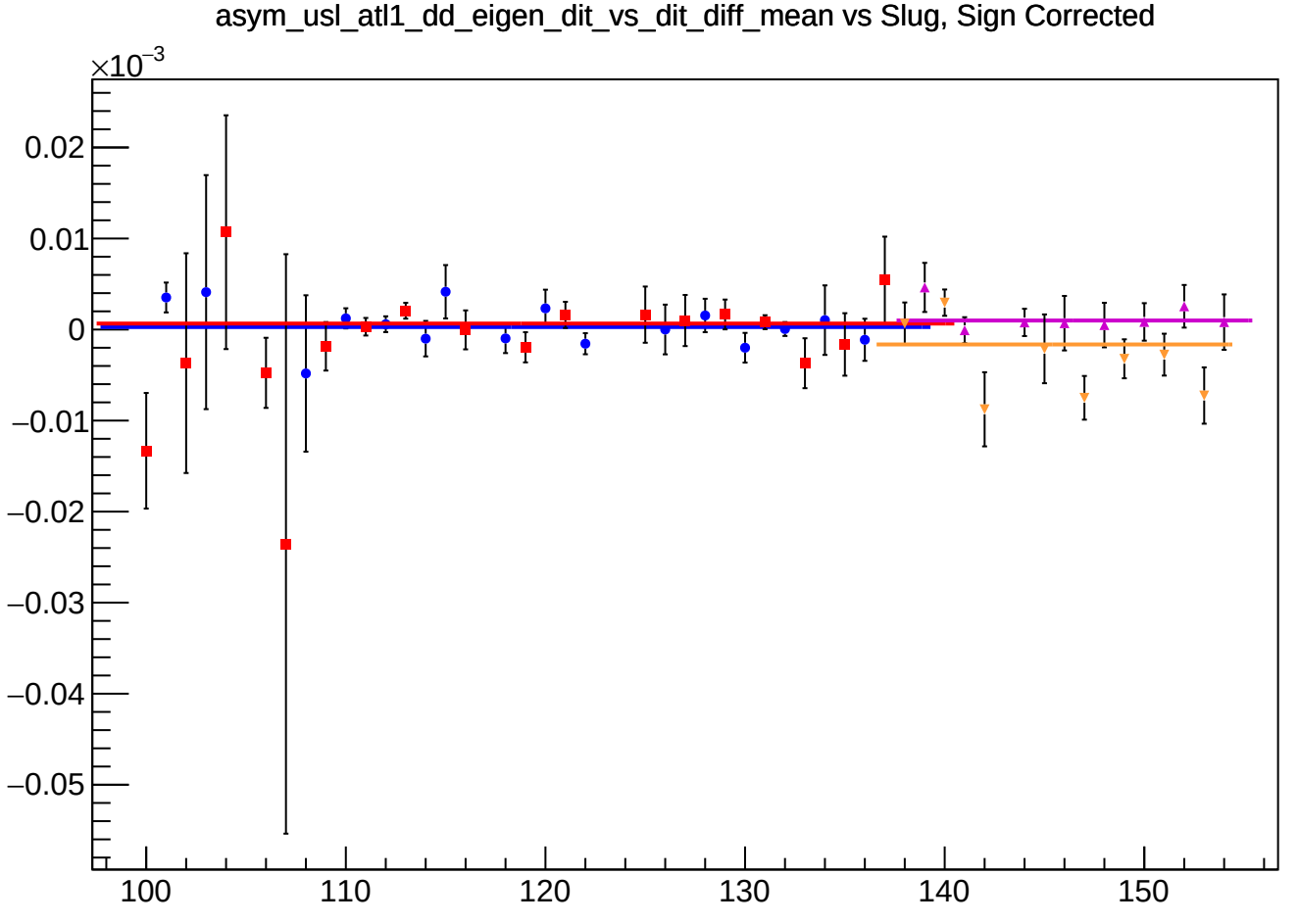
Left: 21.657+/-0.005 χ^2/NDF: 428630.3/15

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.321+/-0.005 χ^2/NDF:2155616.3/23

Out: 23.980+/-0.005 χ^2/NDF:2941216.7/25

All: 23.624+/-0.004 χ^2/NDF: 5105071.5/49



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:2.9/7

Left: -0.000+/-0.000 χ^2/NDF: 32.8/15

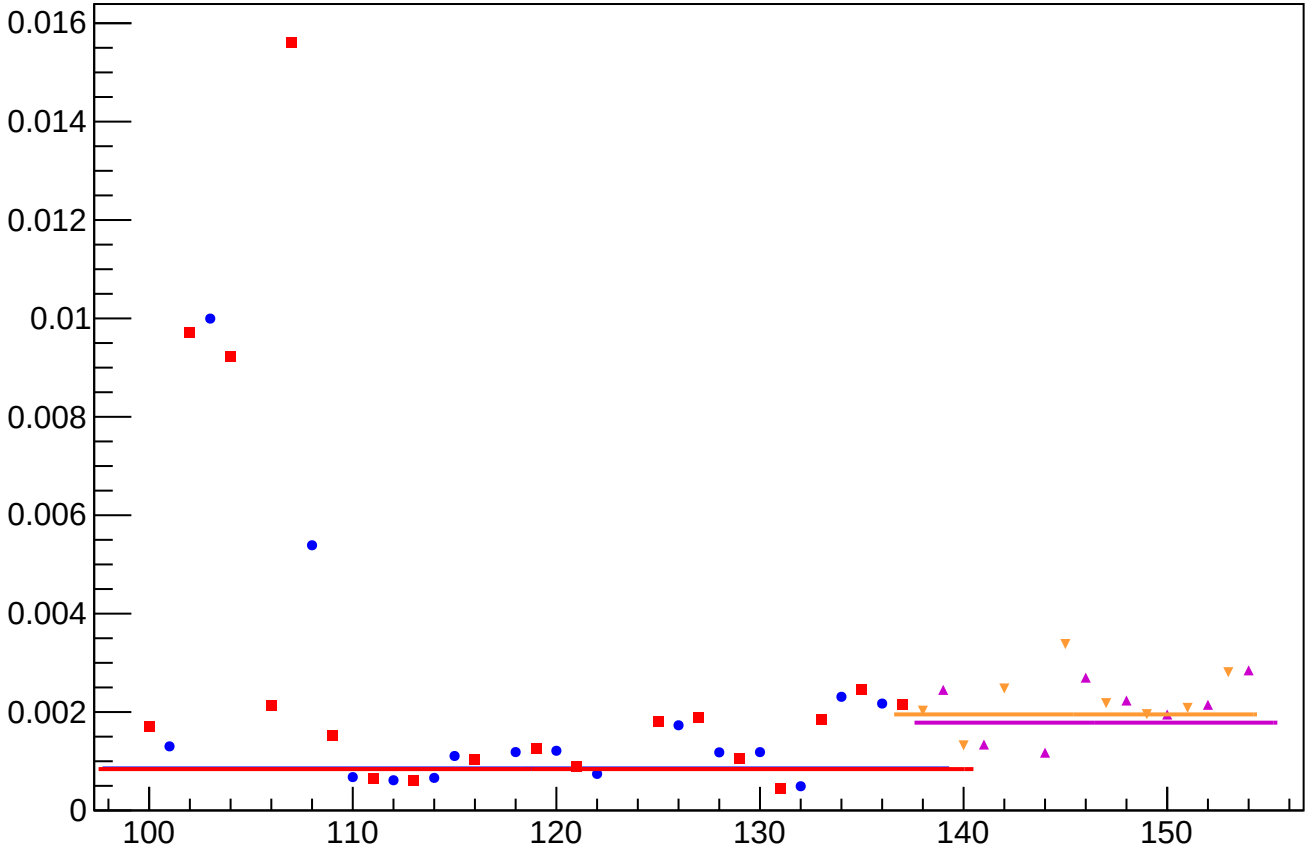
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:18.1/23

Out: 0.000+/-0.000 χ^2/NDF:49.8/25

All: 0.000+/-0.000 χ^2/NDF: 68.0/49

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:1207090.1/7

Left: 0.002+/-0.000 χ^2/NDF: 2133065.2/15

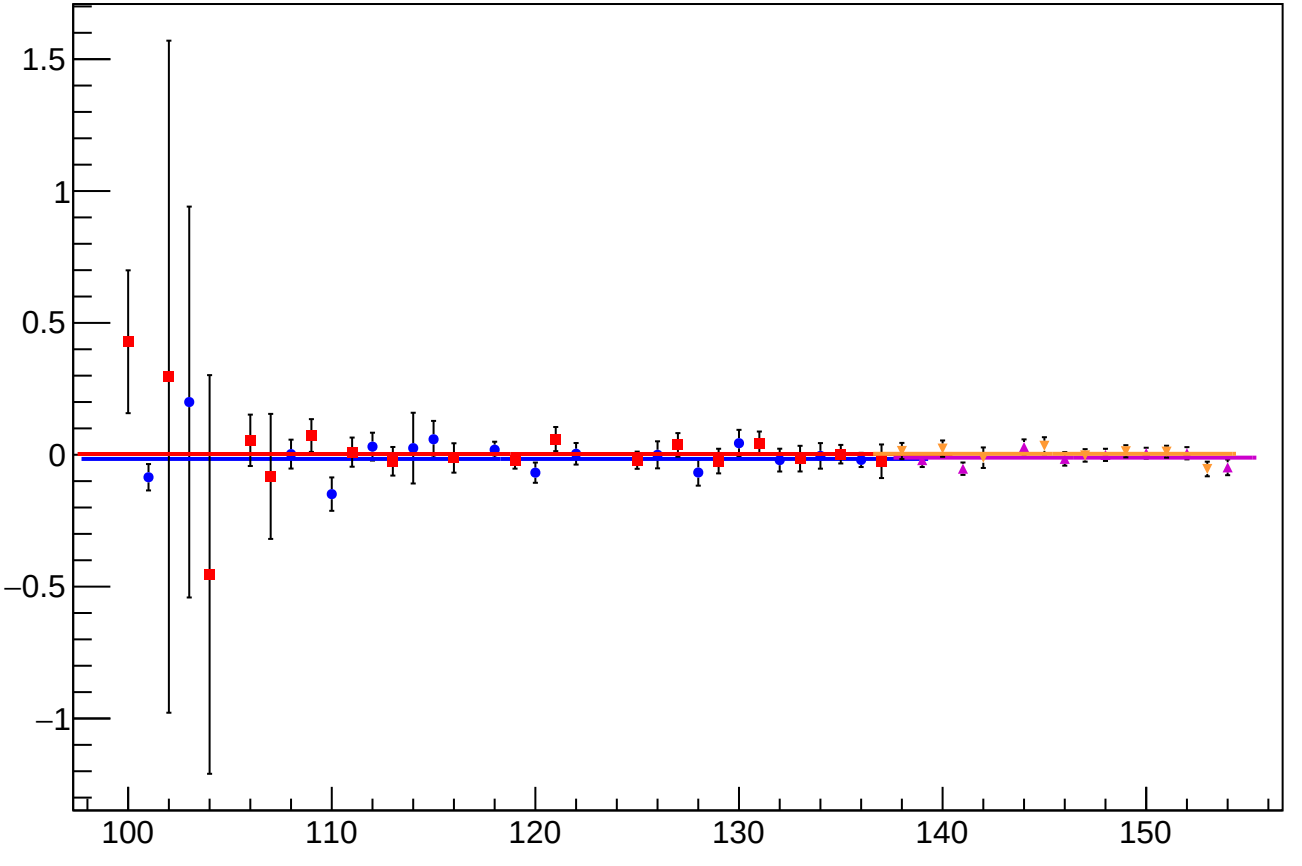
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:7641613.8/23

Out: 0.001+/-0.000 χ^2/NDF:8877729.8/25

All: 0.001+/-0.000 χ^2/NDF: 16519459.9/49

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: -0.011+/-0.009 χ^2/NDF:8.2/7

Left: -0.004+/-0.006 χ^2/NDF: 15.6/15

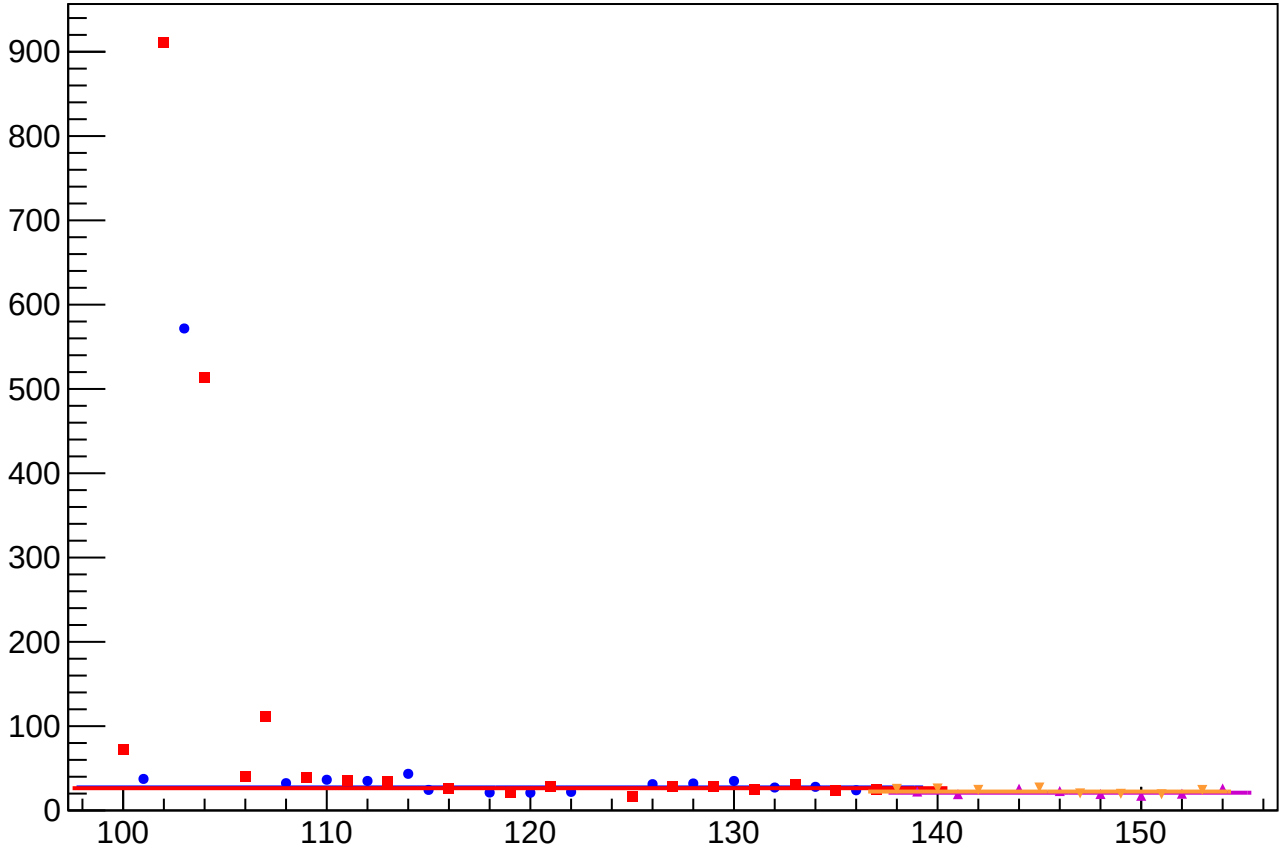
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.013+/-0.007 χ^2/NDF:22.9/23

Out: 0.003+/-0.008 χ^2/NDF:16.1/25

All: -0.005+/-0.005 χ^2/NDF: 41.4/49

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.403+/-0.007 χ^2/NDF:192692.0/7

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.054+/-0.006 χ^2/NDF:214514.9/7

Left: 21.657+/-0.005 χ^2/NDF: 428603.4/15

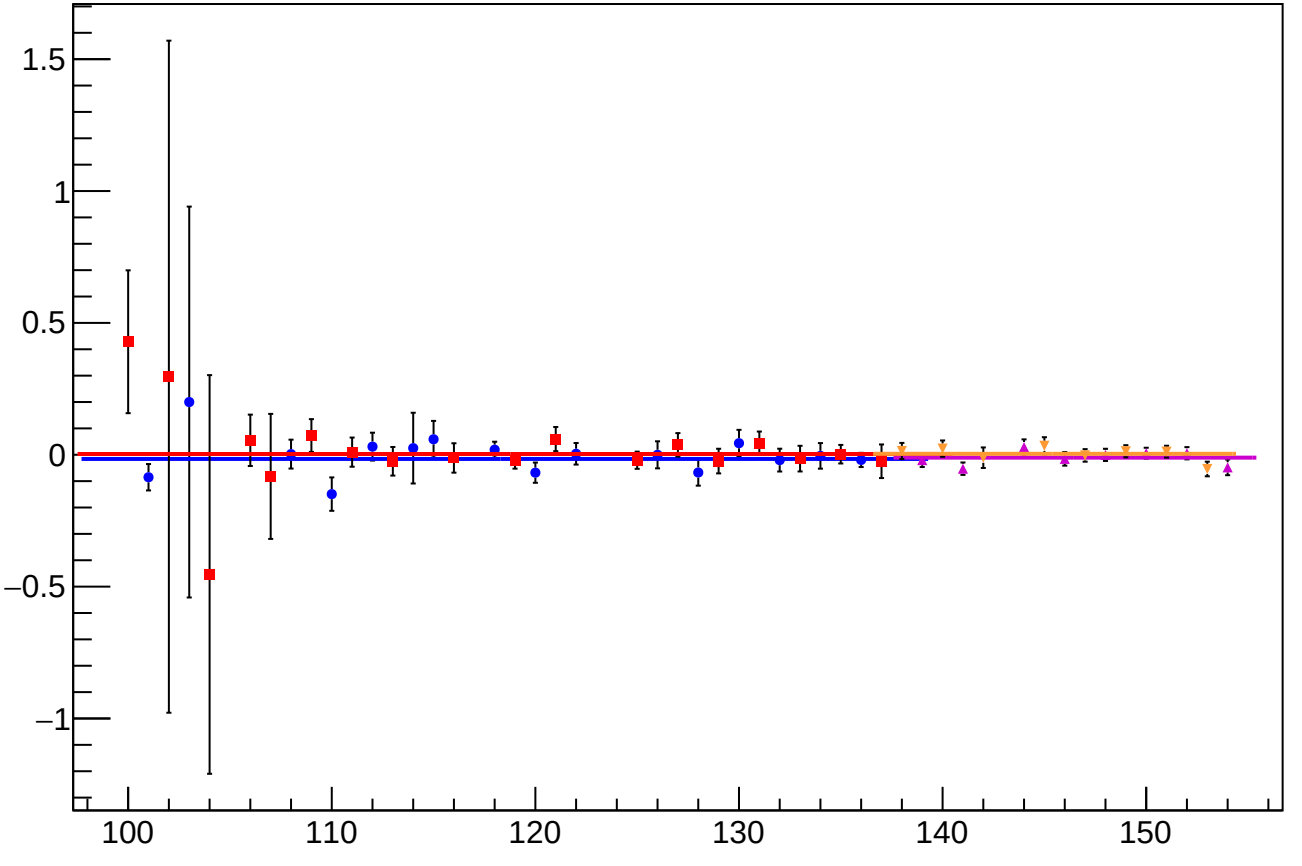
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.321+/-0.005 χ^2/NDF:2155587.0/23

Out: 23.980+/-0.005 χ^2/NDF:2941224.2/25

All: 23.624+/-0.004 χ^2/NDF: 5105045.9/49

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: -0.011+/-0.009 χ^2/NDF:8.2/7

Left: -0.004+/-0.006 χ^2/NDF: 15.6/15

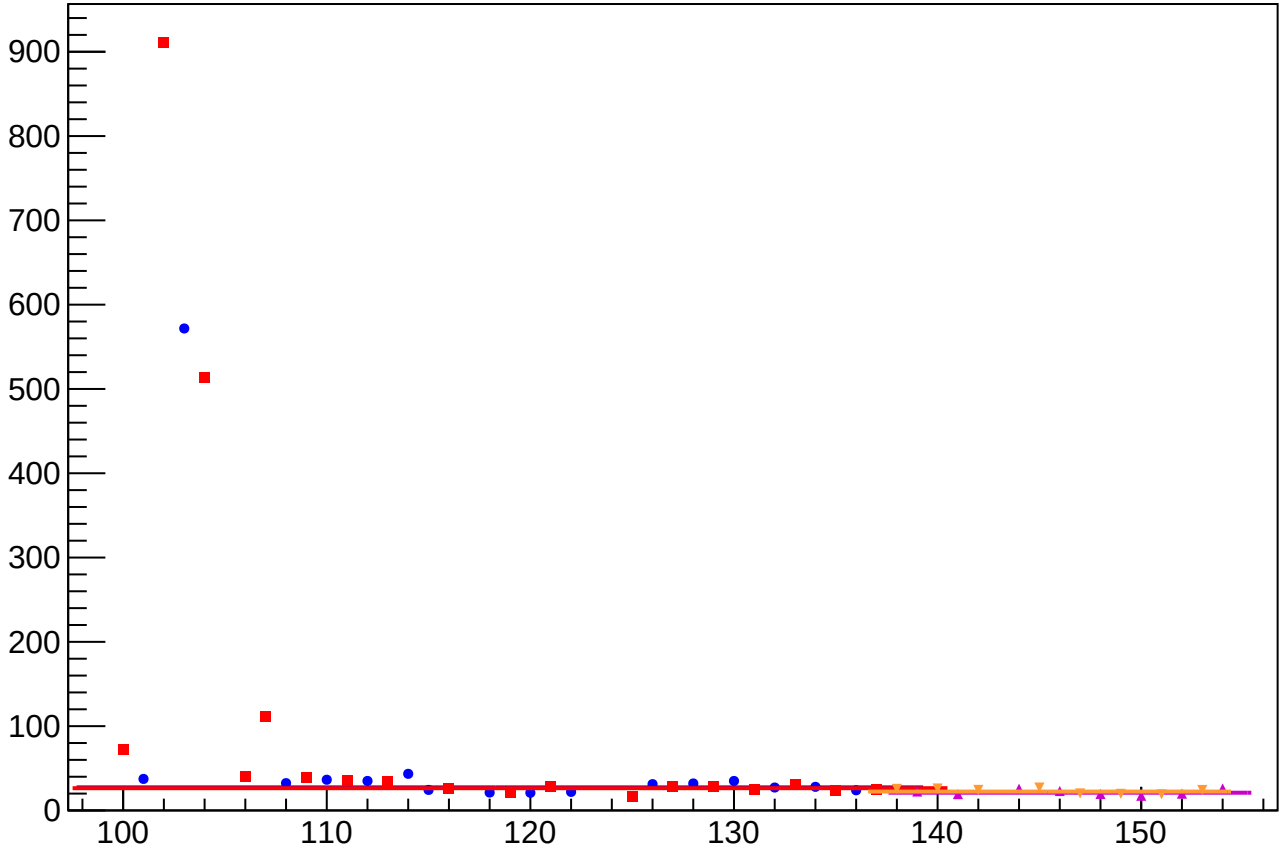
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.013+/-0.007 χ^2/NDF:22.9/23

Out: 0.003+/-0.008 χ^2/NDF:16.1/25

All: -0.005+/-0.005 χ^2/NDF: 41.4/49

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: 21.054+/-0.006 χ^2/NDF:214514.9/7

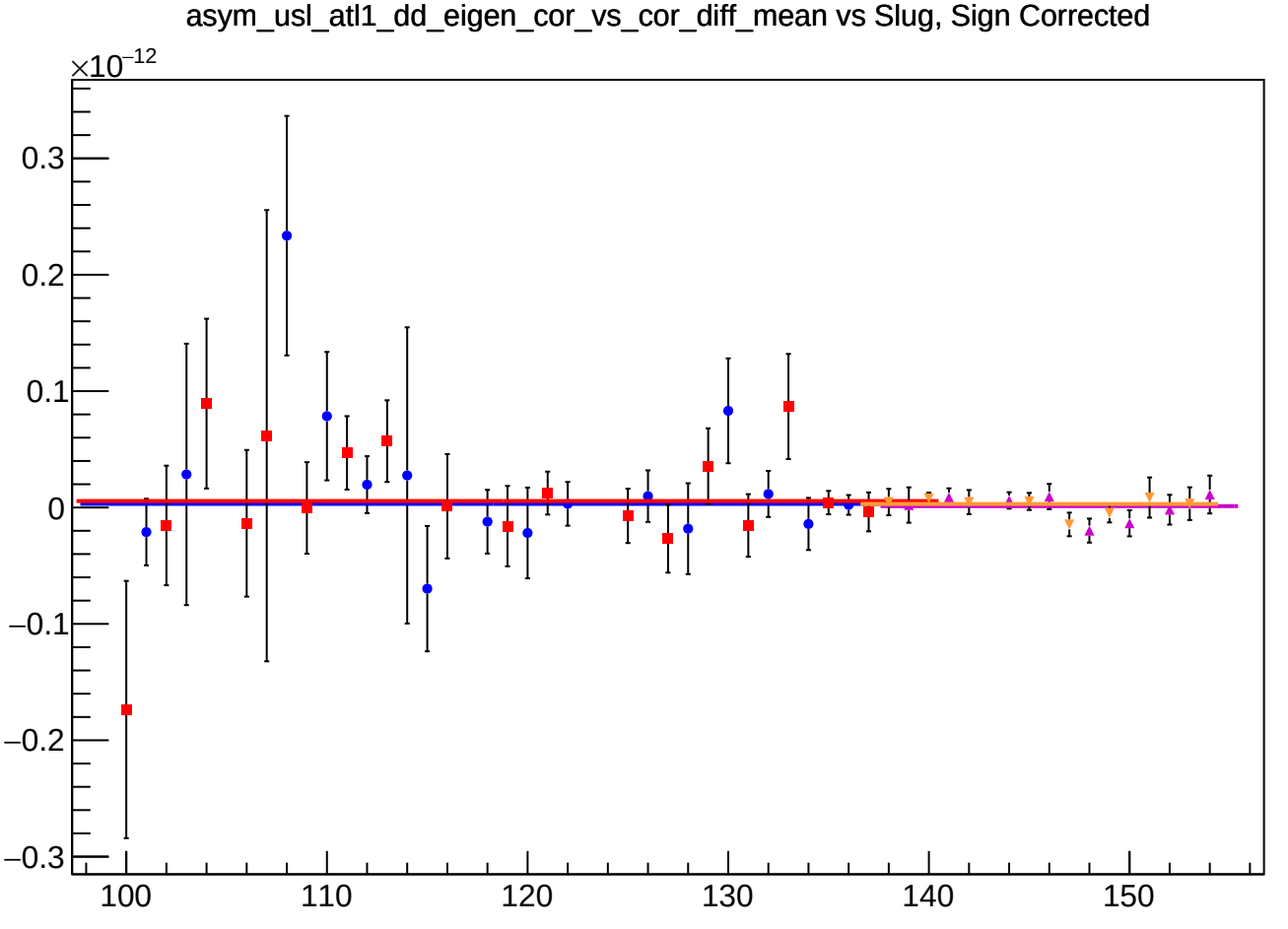
Left: 21.657+/-0.005 χ^2/NDF: 428603.4/15

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.321+/-0.005 χ^2/NDF:2155587.0/23

Out: 23.980+/-0.005 χ^2/NDF:2941224.2/25

All: 23.624+/-0.004 χ^2/NDF: 5105045.9/49



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:8.3/7

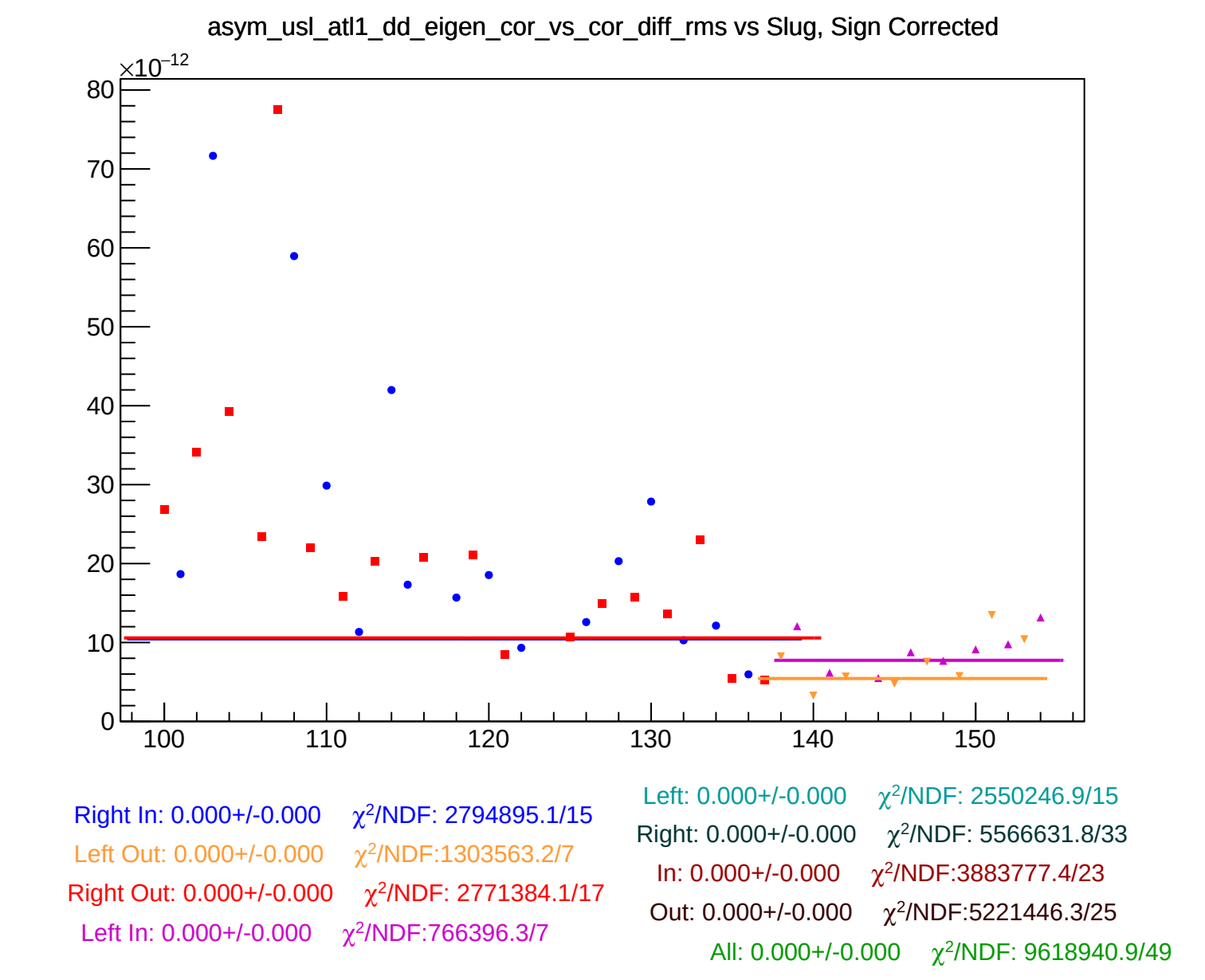
Left: 0.000+/-0.000 χ^2/NDF: 13.6/15

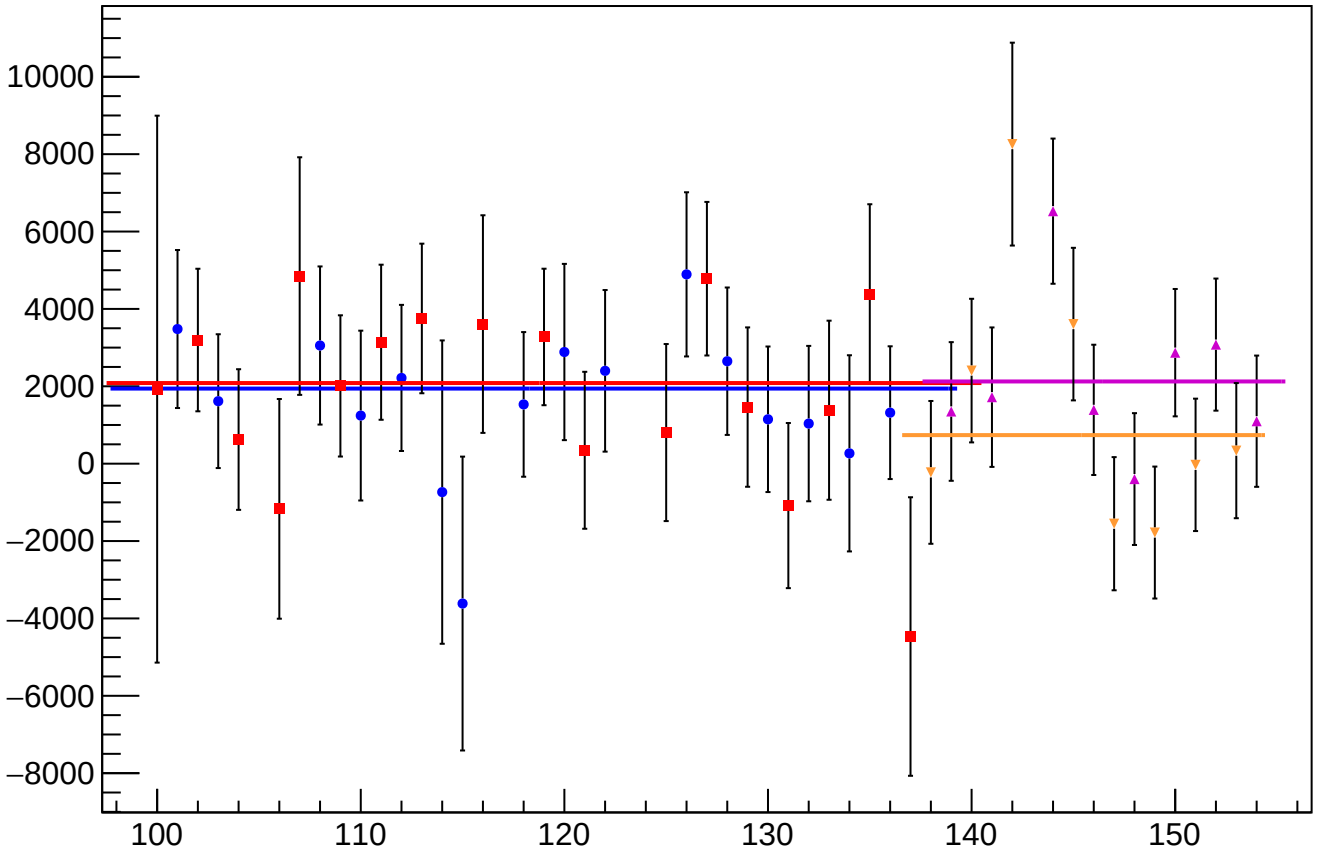
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:23.4/23

Out: 0.000+/-0.000 χ^2/NDF:20.5/25

All: 0.000+/-0.000 χ^2/NDF: 44.2/49


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1303563.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 2771384.1/17
Left In: 0.000+/-0.000 χ²/NDF:766396.3/7
Left: 0.000+/-0.000 χ²/NDF: 2550246.9/15
Right: 0.000+/-0.000 χ²/NDF: 5566631.8/33
In: 0.000+/-0.000 χ²/NDF:3883777.4/23
Out: 0.000+/-0.000 χ²/NDF:5221446.3/25
All: 0.000+/-0.000 χ²/NDF: 9618940.9/49



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: 2124.928+/-613.100 χ^2/NDF:9.0/7

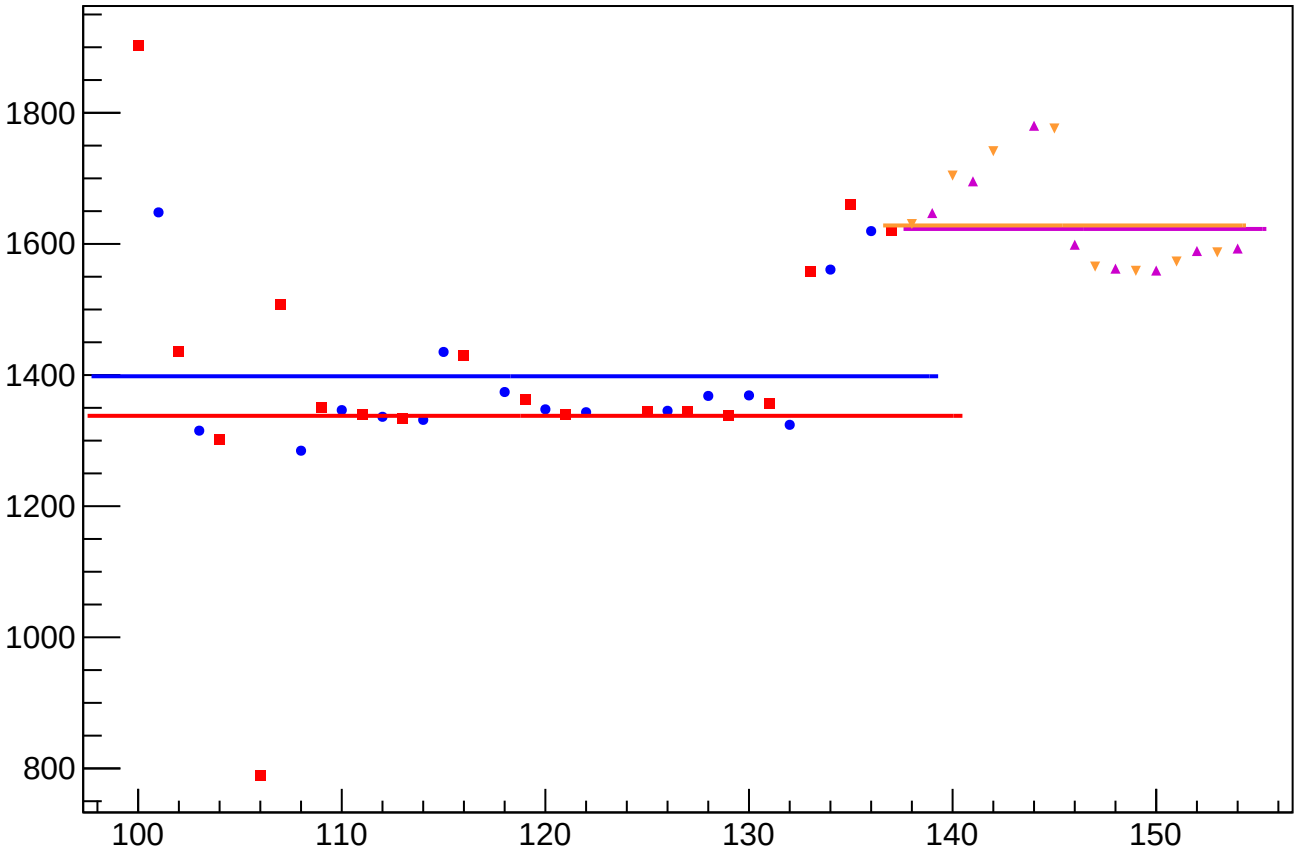
Left: 1476.368+/-447.309 χ^2/NDF: 27.0/15

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2018.313+/-397.532 χ^2/NDF:16.0/23

Out: 1563.296+/-406.838 χ^2/NDF:32.7/25

All: 1796.068+/-284.331 χ^2/NDF: 49.3/49



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: 1622.864+/-0.434 χ^2/NDF:24994.0/7

Left: 1625.353+/-0.316 χ^2/NDF: 52532.8/15

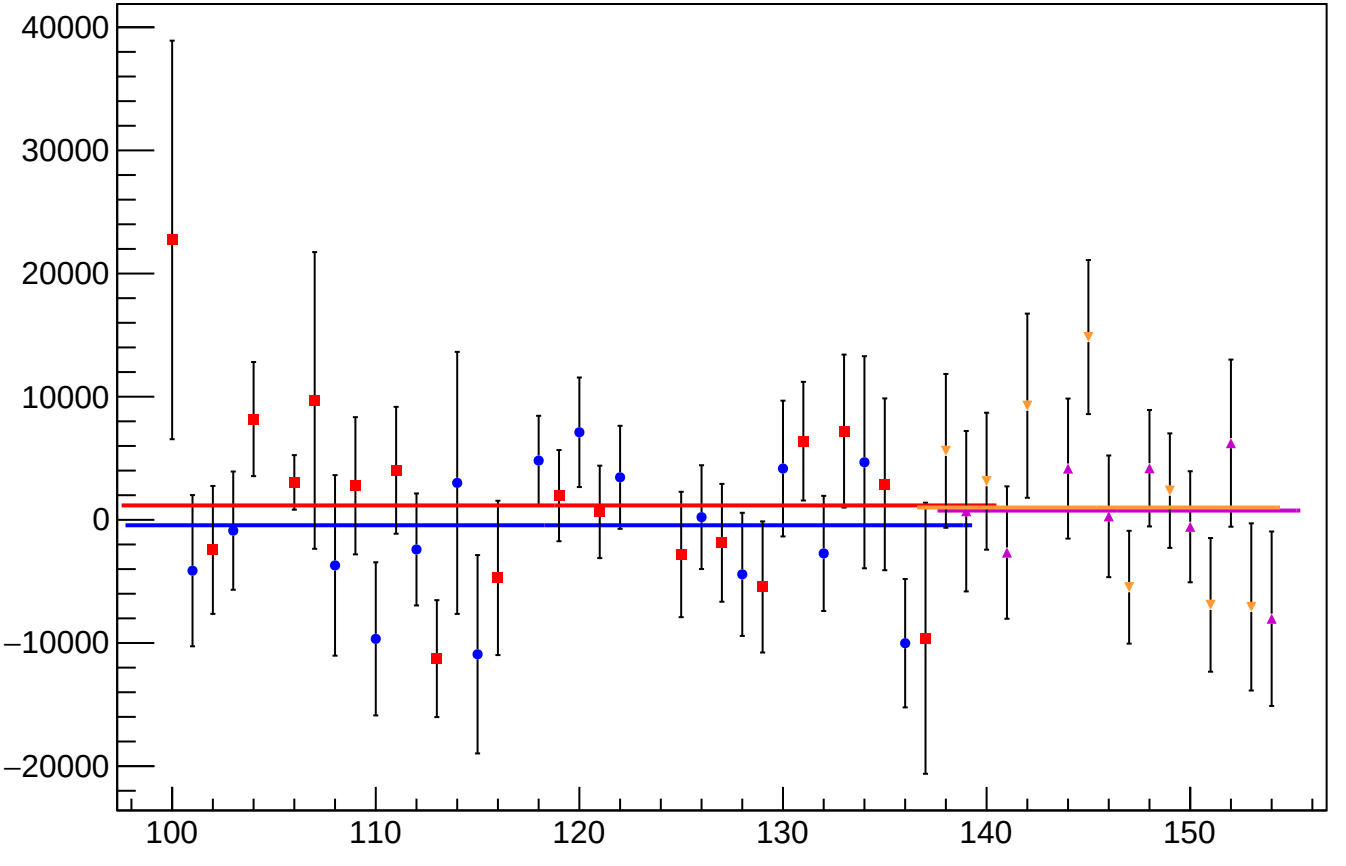
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1492.630+/-0.281 χ^2/NDF:274621.7/23

Out: 1445.816+/-0.282 χ^2/NDF:592795.3/25

All: 1469.303+/-0.199 χ^2/NDF: 881237.5/49

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: 752.947+/-1940.333 χ^2/NDF:3.6/7

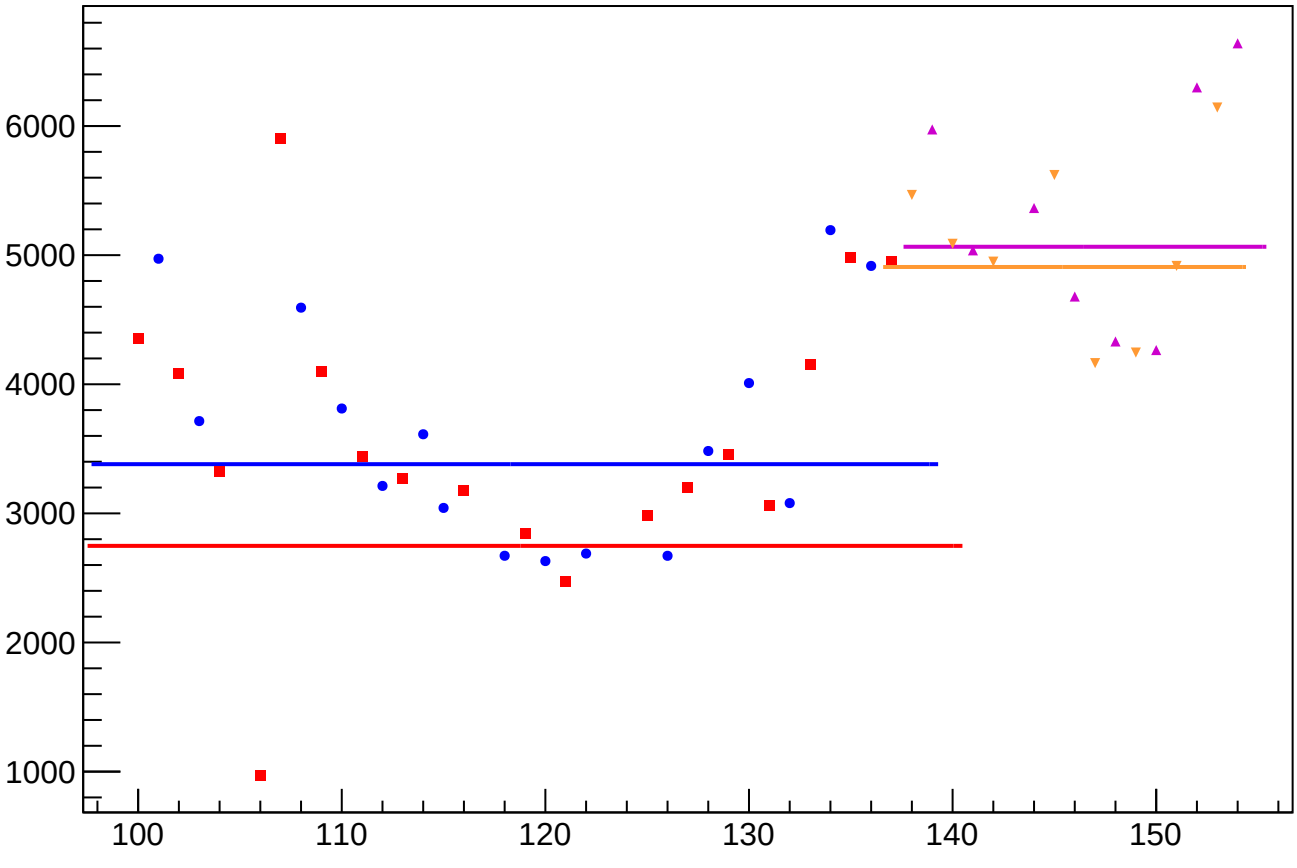
Left: 873.727+/-1391.304 χ^2/NDF: 16.0/15

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -72.799+/-1077.662 χ^2/NDF:19.7/23

Out: 1130.846+/-976.672 χ^2/NDF:32.1/25

All: 588.052+/-723.687 χ^2/NDF: 52.5/49



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: 5064.966+/-1.372 χ^2/NDF:332944.2/7

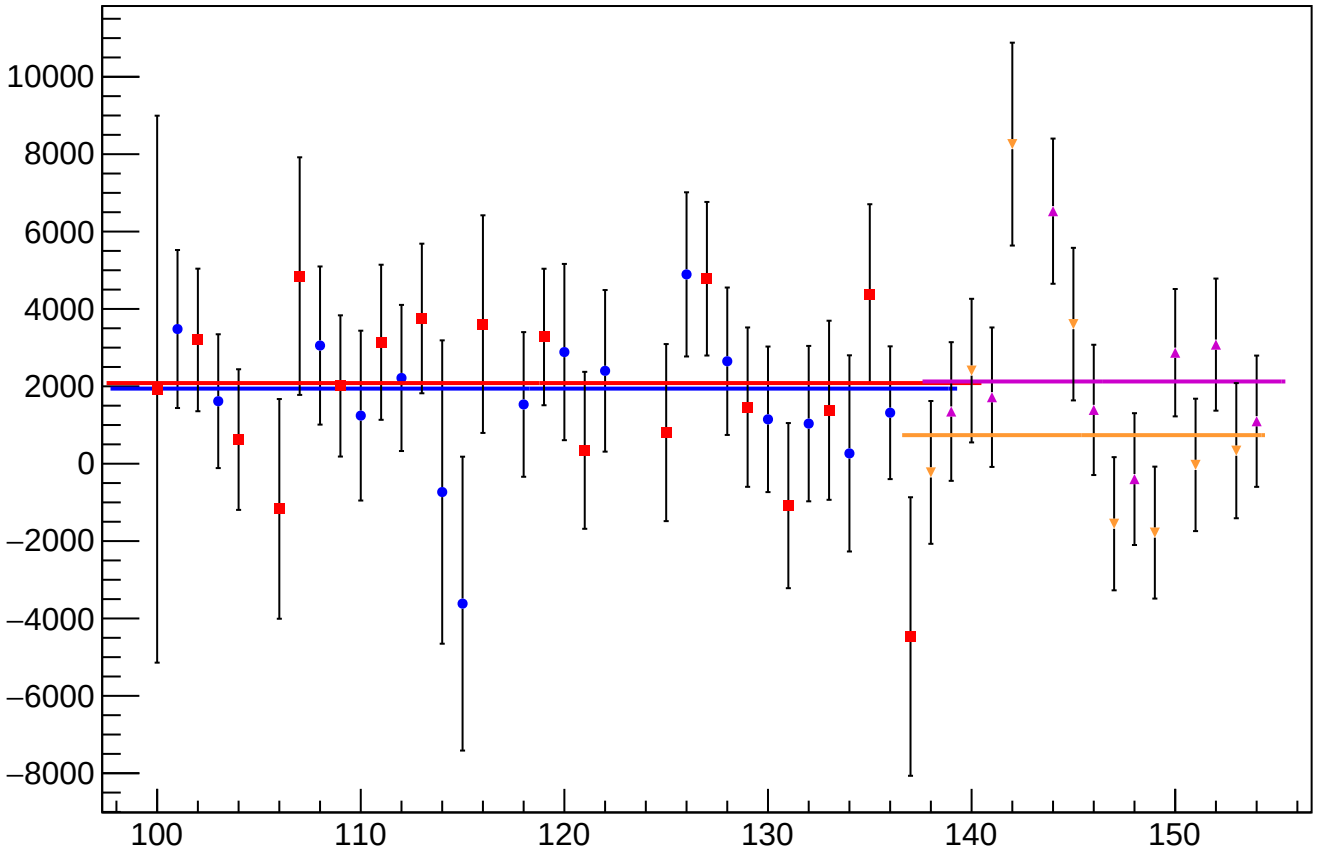
Left: 4988.869+/-0.984 χ^2/NDF: 543055.6/15

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3900.533+/-0.762 χ^2/NDF:2131676.3/23

Out: 3265.504+/-0.691 χ^2/NDF:4249606.2/25

All: 3551.876+/-0.512 χ^2/NDF: 6762574.5/49



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: 2125.107+/-613.100 χ^2/NDF:9.0/7

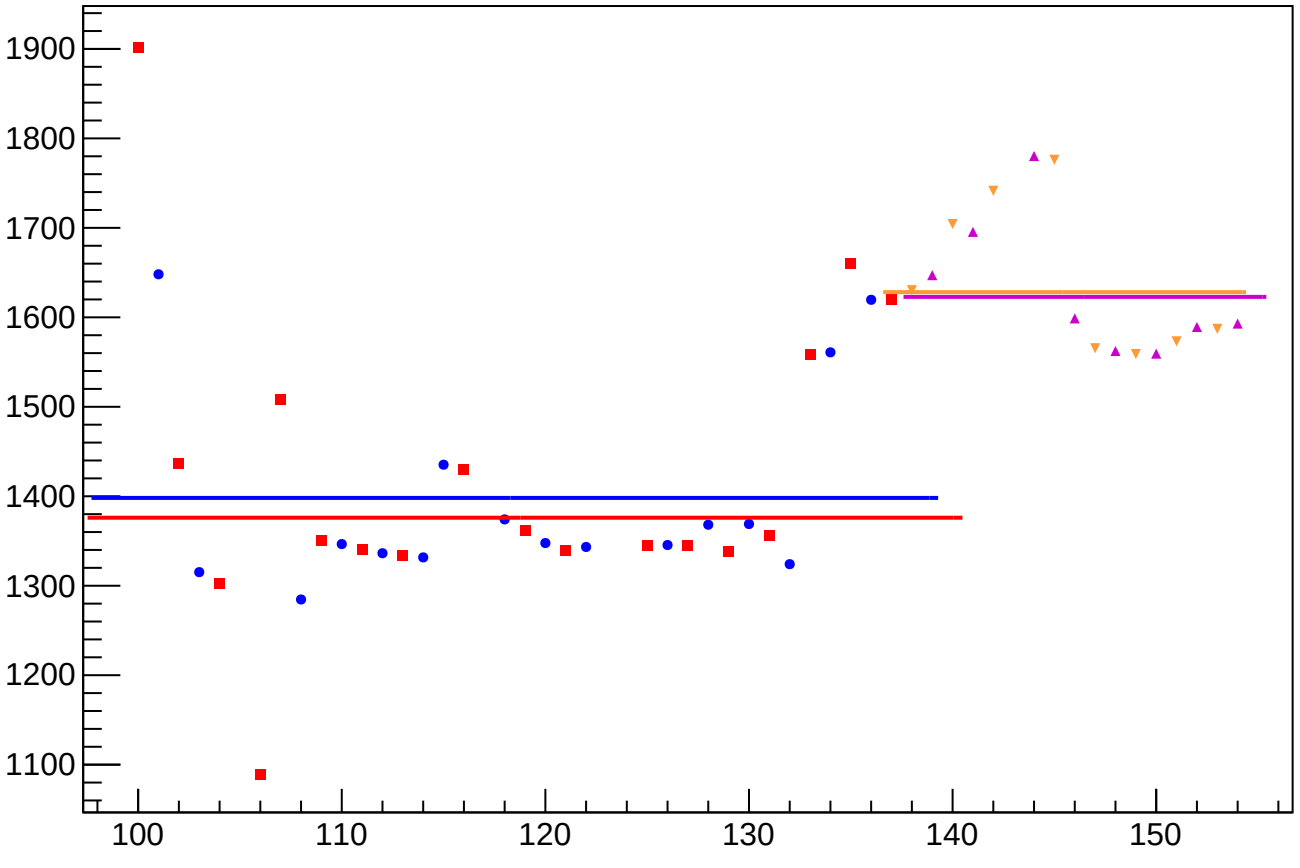
Left: 1476.473+/-447.309 χ^2/NDF: 27.0/15

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2018.420+/-397.532 χ^2/NDF:16.0/23

Out: 1563.432+/-406.839 χ^2/NDF:32.7/25

All: 1796.190+/-284.331 χ^2/NDF: 49.3/49



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: 1622.864+/-0.434 χ^2/NDF:24994.0/7

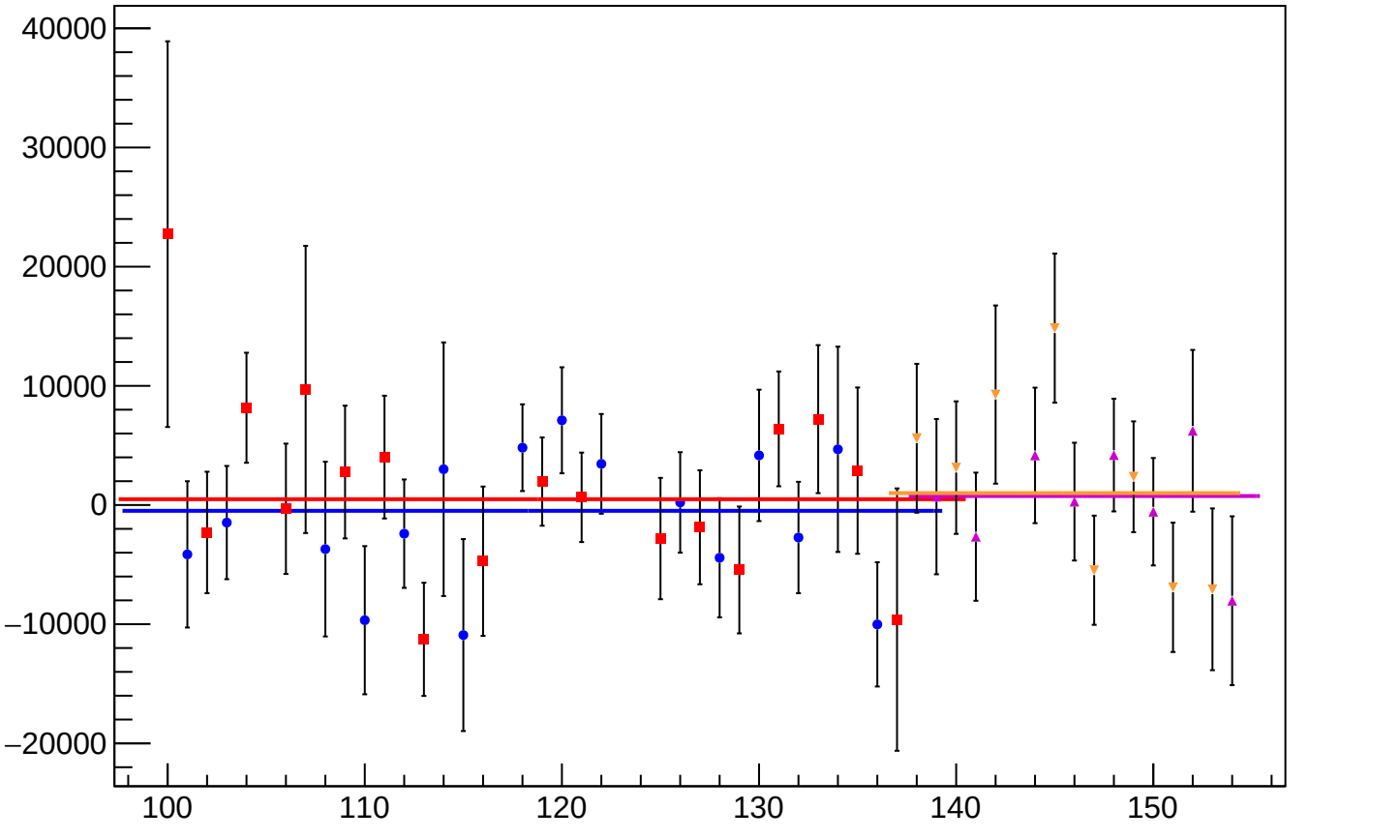
Left: 1625.353+/-0.316 χ^2/NDF: 52532.8/15

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1492.630+/-0.281 χ^2/NDF:274621.8/23

Out: 1471.989+/-0.285 χ^2/NDF:325640.8/25

All: 1482.463+/-0.200 χ^2/NDF: 602918.5/49



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: 753.076+/-1940.331 χ^2/NDF:3.6/7

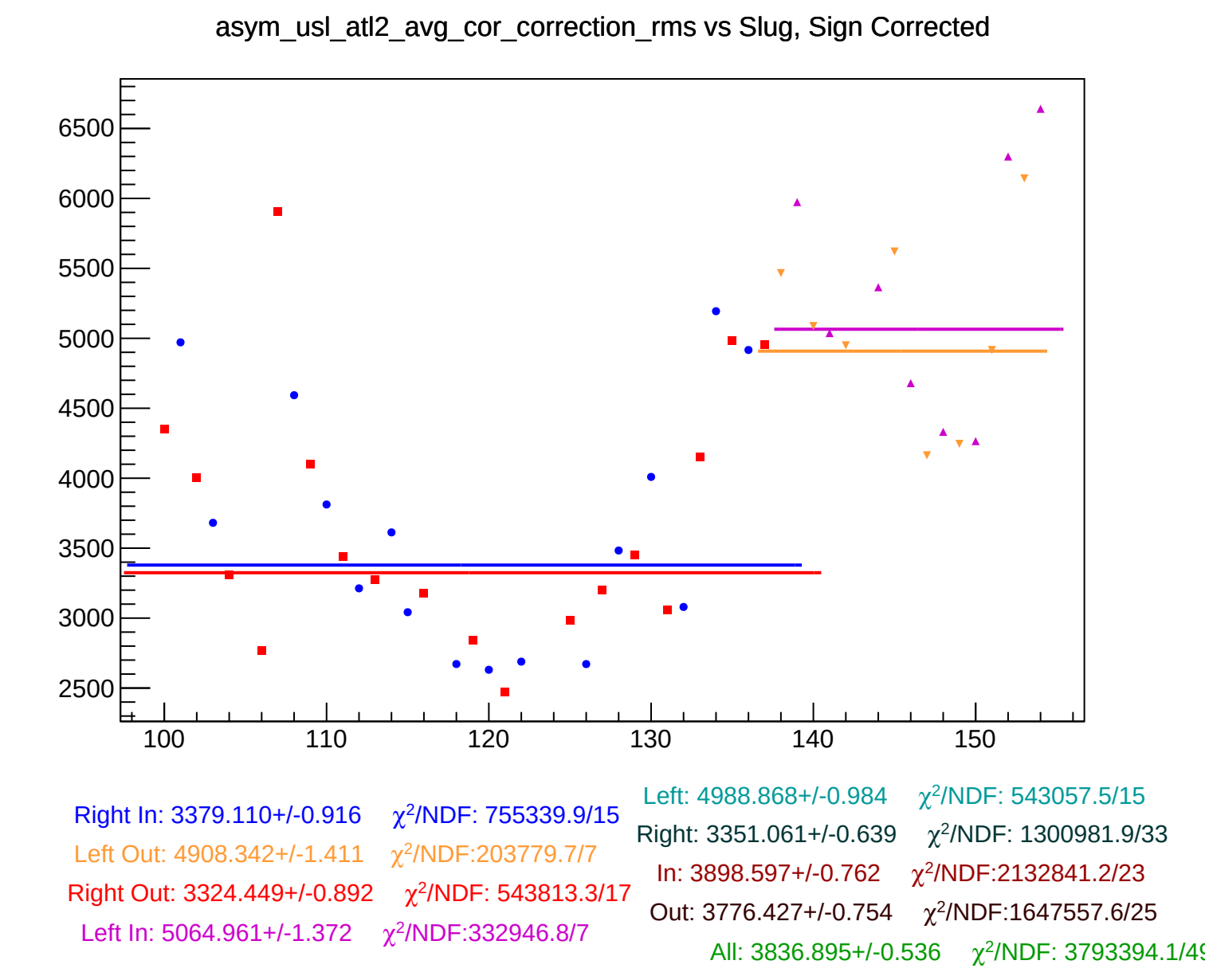
Left: 873.792+/-1391.303 χ^2/NDF: 16.0/15

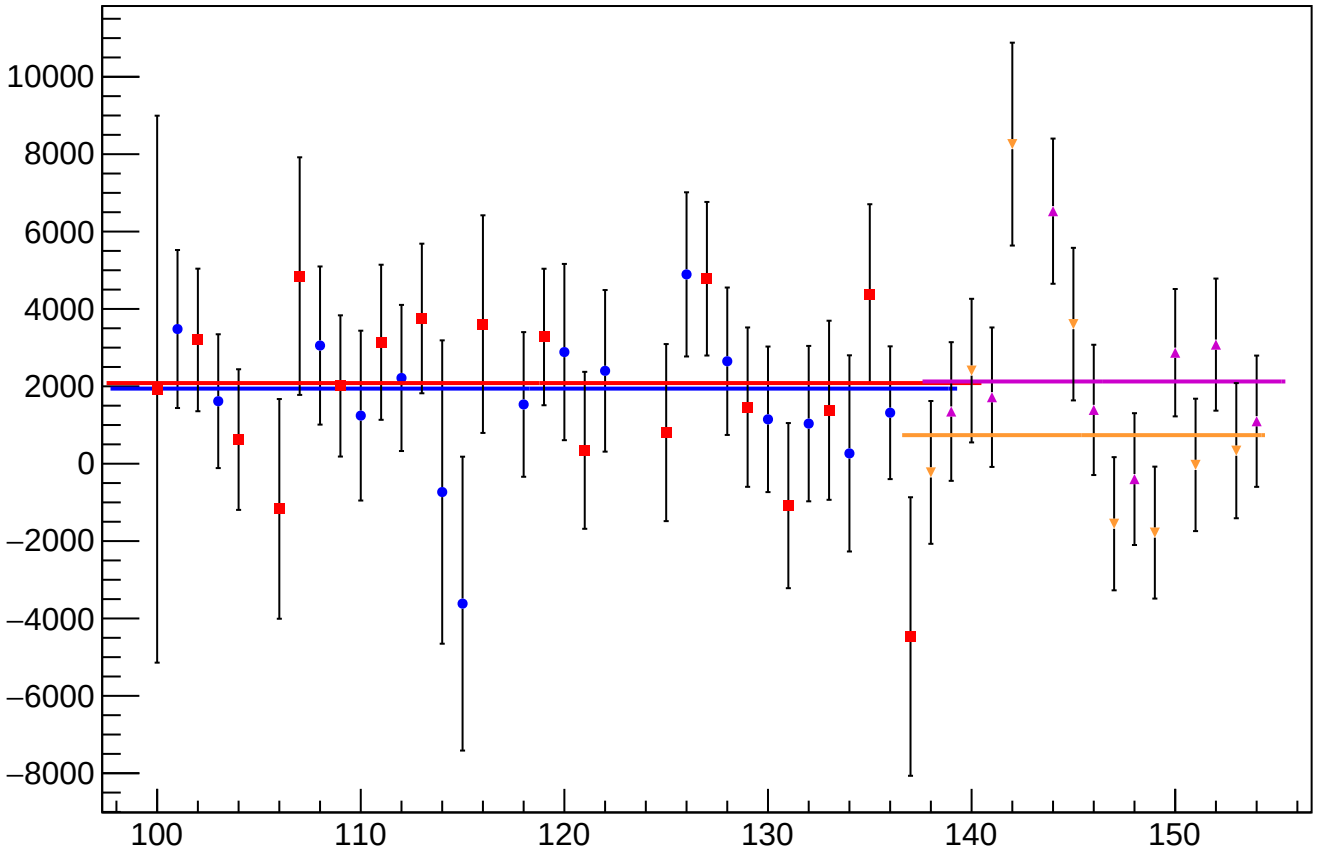
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -104.574+/-1077.094 χ^2/NDF:19.8/23

Out: 634.968+/-1066.271 χ^2/NDF:31.2/25

All: 268.931+/-757.765 χ^2/NDF: 51.2/49


asym_usl_atl2_avg_cor_correction_rms vs Slug, Sign Corrected
6500
6000
5500
5000
4500
4000
3500
3000
2500
100
110
120
130
140
150
Right In: 3379.110+/-0.916 χ²/NDF: 755339.9/15
Left Out: 4908.342+/-1.411 χ²/NDF:203779.7/7
Right Out: 3324.449+/-0.892 χ²/NDF: 543813.3/17
Left In: 5064.961+/-1.372 χ²/NDF:332946.8/7
Left: 4988.868+/-0.984 χ²/NDF: 543057.5/15
Right: 3351.061+/-0.639 χ²/NDF: 1300981.9/33
In: 3898.597+/-0.762 χ²/NDF:2132841.2/23
Out: 3776.427+/-0.754 χ²/NDF:1647557.6/25
All: 3836.895+/-0.536 χ²/NDF: 3793394.1/49



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: 2125.107+/-613.100 χ^2/NDF:9.0/7

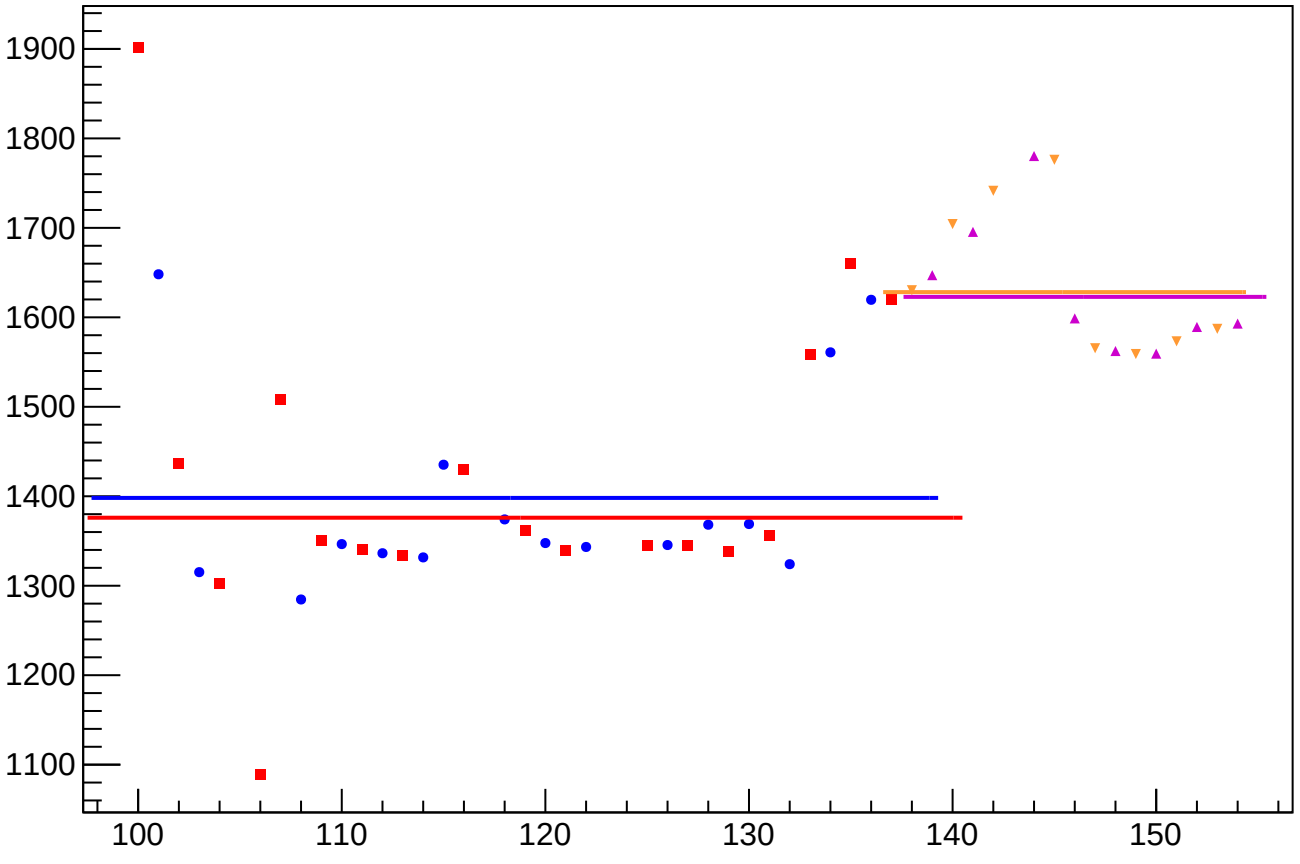
Left: 1476.473+/-447.309 χ^2/NDF: 27.0/15

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2018.420+/-397.532 χ^2/NDF:16.0/23

Out: 1563.432+/-406.839 χ^2/NDF:32.7/25

All: 1796.190+/-284.331 χ^2/NDF: 49.3/49



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: 1622.864+/-0.434 χ^2/NDF:24994.0/7

Left: 1625.353+/-0.316 χ^2/NDF: 52532.8/15

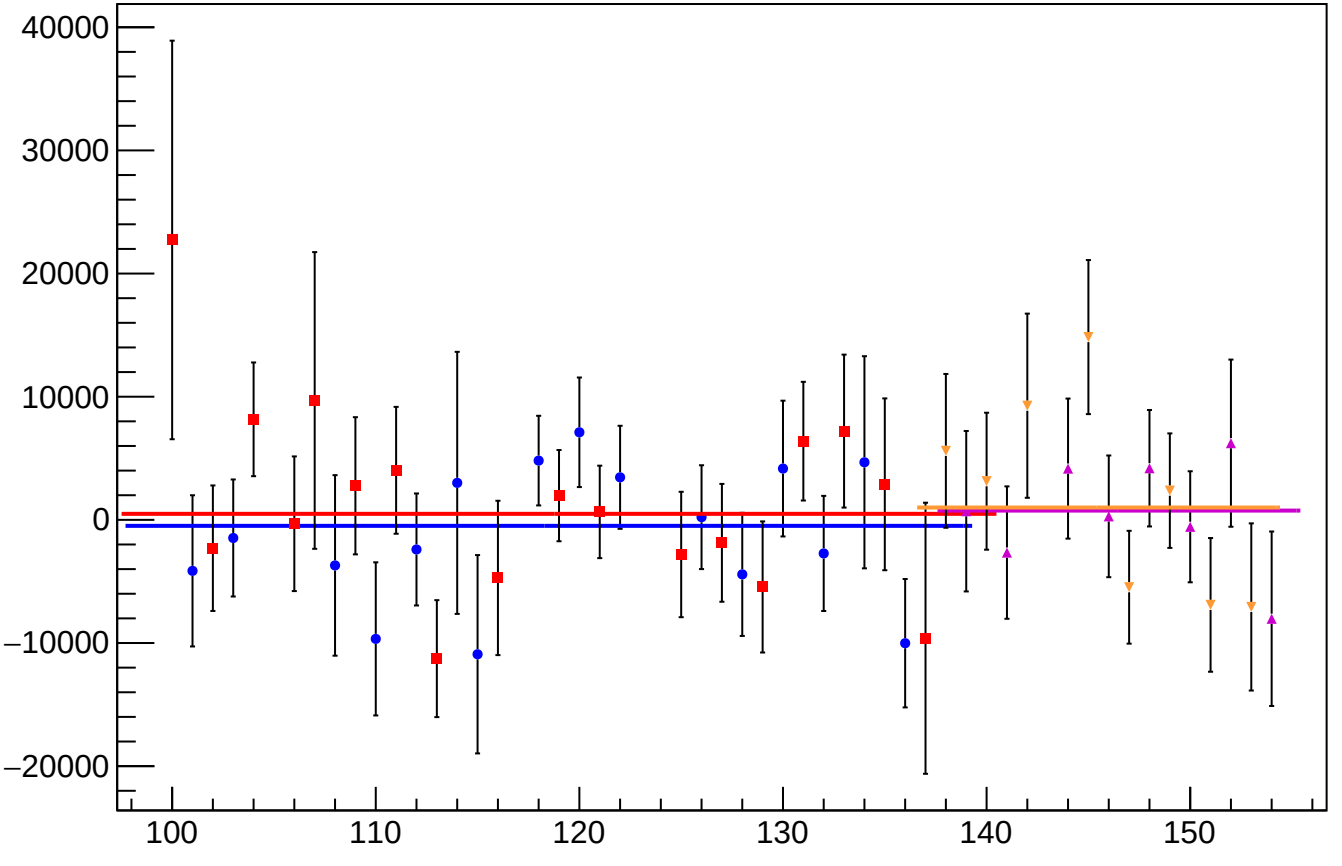
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1492.630+/-0.281 χ^2/NDF:274621.8/23

Out: 1471.989+/-0.285 χ^2/NDF:325640.8/25

All: 1482.463+/-0.200 χ^2/NDF: 602918.5/49

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: 753.076+/-1940.331 χ^2/NDF:3.6/7

Left: 873.792+/-1391.303 χ^2/NDF: 16.0/15

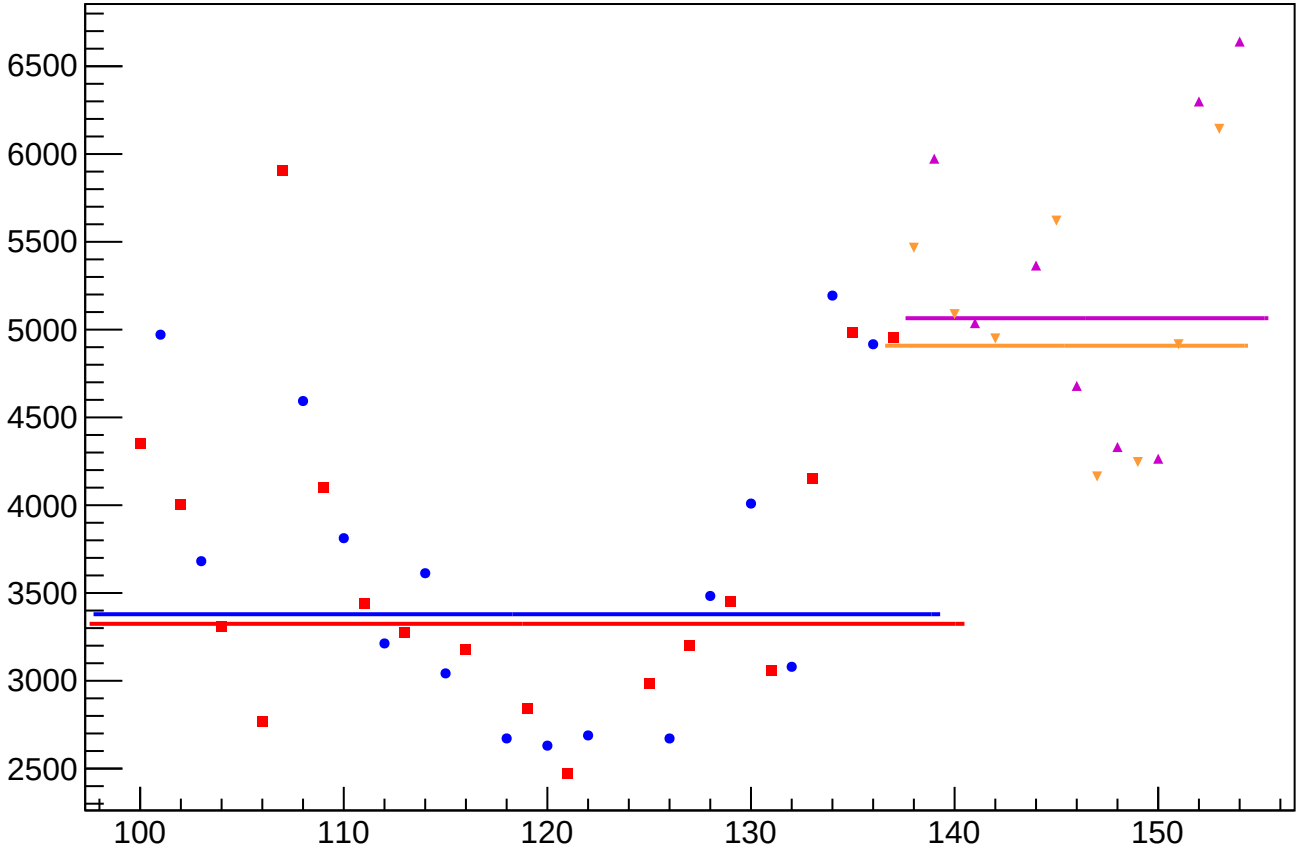
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -104.574+/-1077.094 χ^2/NDF:19.8/23

Out: 634.968+/-1066.271 χ^2/NDF:31.2/25

All: 268.931+/-757.765 χ^2/NDF: 51.2/49

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 5064.961+/-1.372 χ^2/NDF:332946.8/7

Left: 4988.868+/-0.984 χ^2/NDF: 543057.5/15

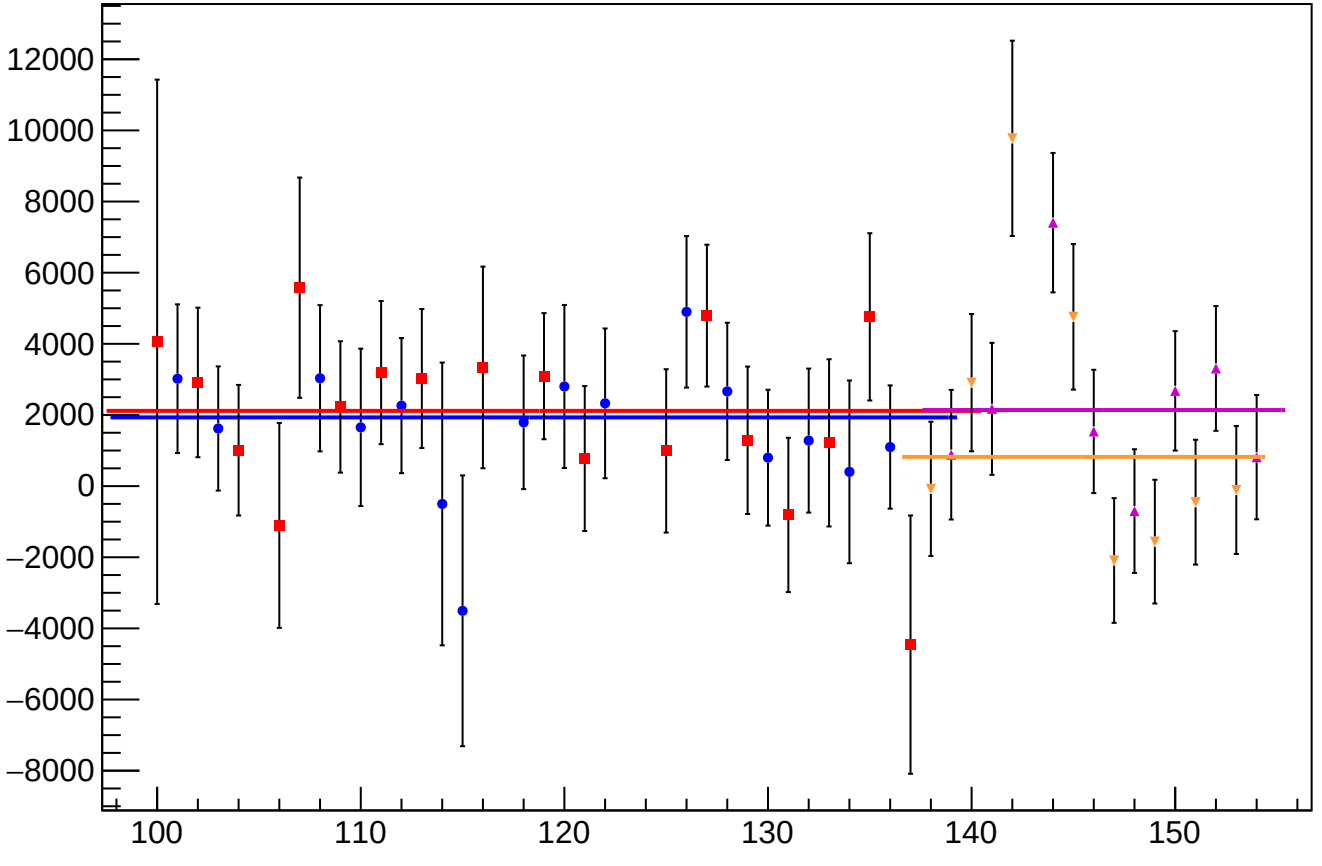
Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3898.597+/-0.762 χ^2/NDF:2132841.2/23

Out: 3776.427+/-0.754 χ^2/NDF:1647557.6/25

All: 3836.895+/-0.536 χ^2/NDF: 3793394.1/49

dit_asym_usl_atl2_avg_mean vs Slug, Sign Corrected



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: 2138.717+/-629.604 χ^2/NDF:11.6/7

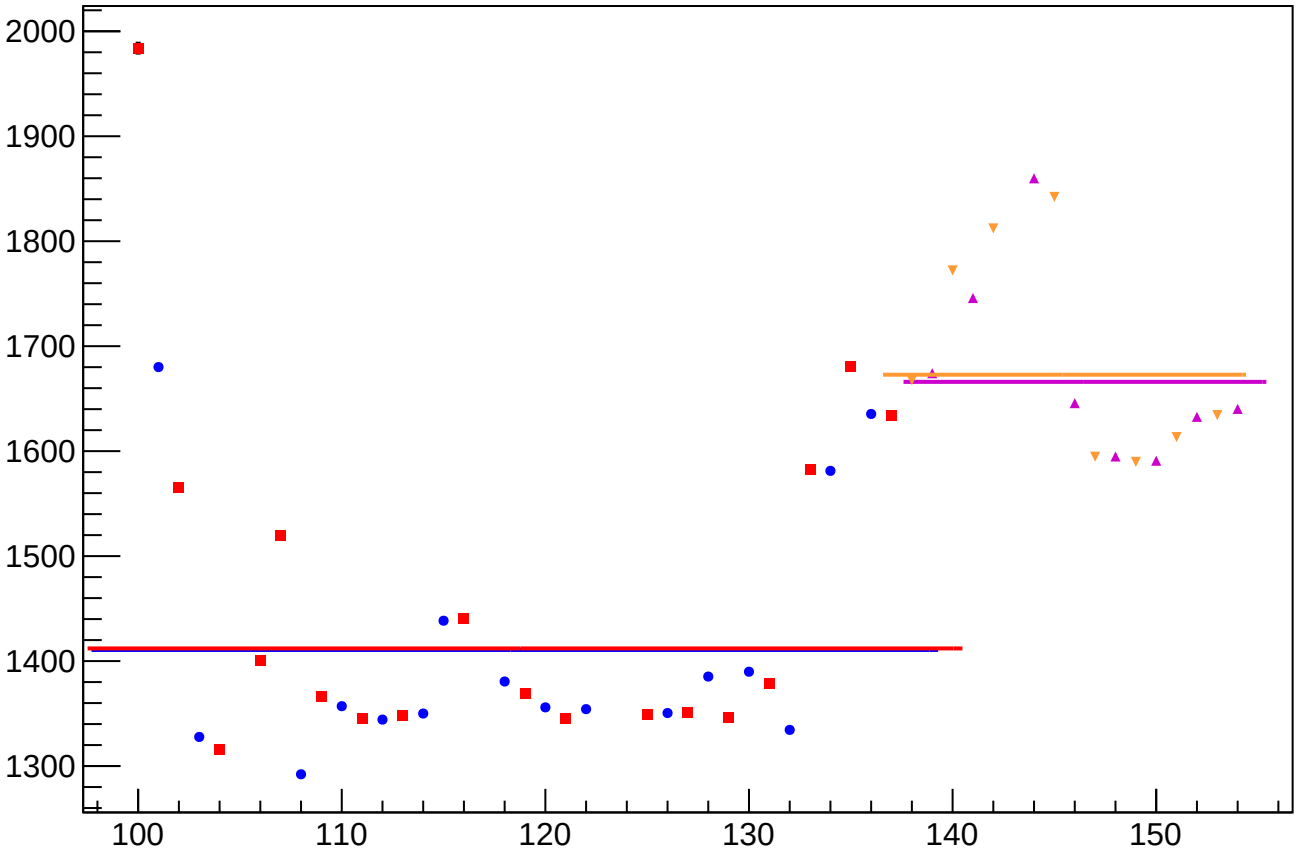
Left: 1523.487+/-459.644 χ^2/NDF: 34.8/15

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2016.917+/-404.177 χ^2/NDF:18.0/23

Out: 1620.950+/-415.706 χ^2/NDF:36.7/25

All: 1824.500+/-289.787 χ^2/NDF: 55.2/49



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: 1666.003+/-0.445 χ^2/NDF:32088.7/7

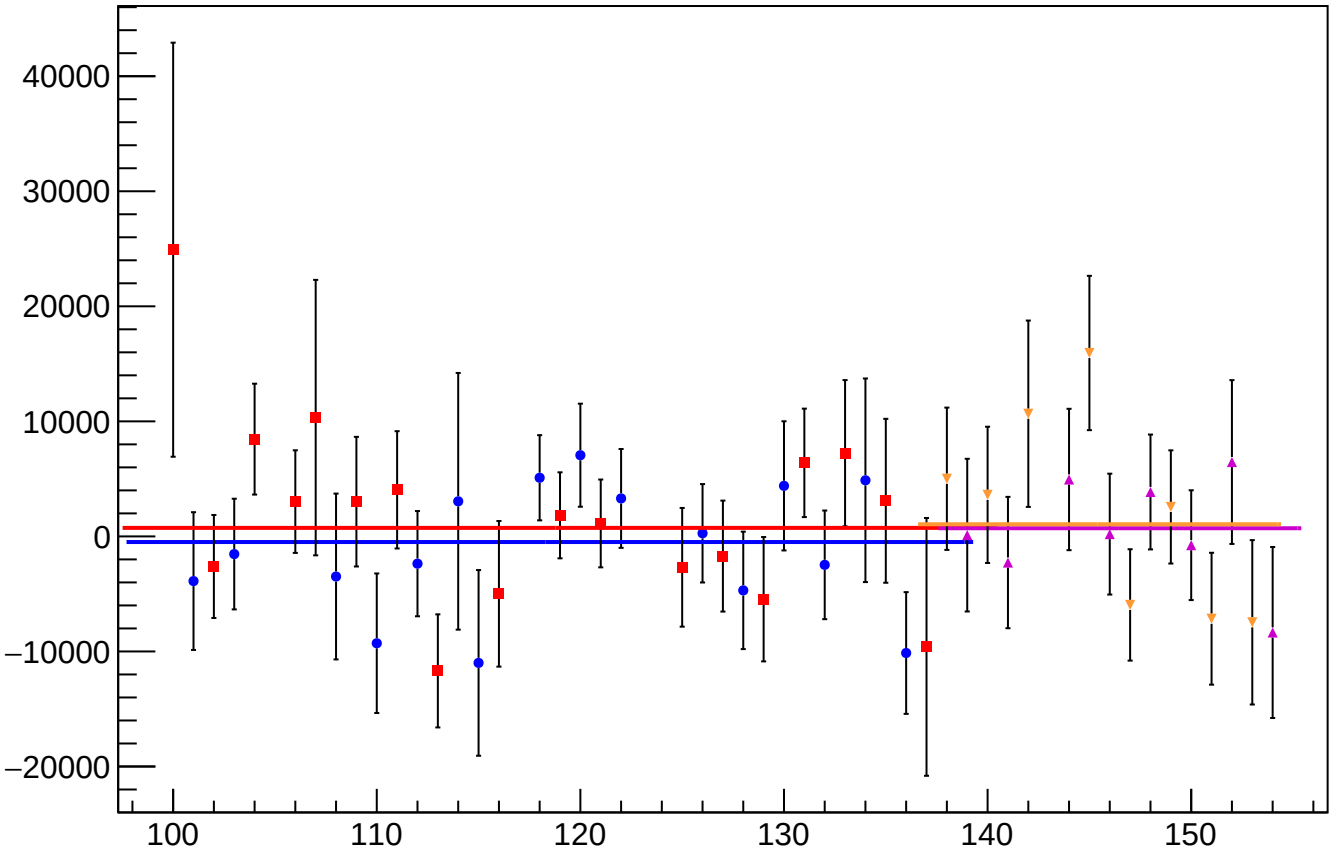
Left: 1669.192+/-0.325 χ^2/NDF: 68122.2/15

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1515.850+/-0.286 χ^2/NDF:324730.7/23

Out: 1511.340+/-0.293 χ^2/NDF:311818.2/25

All: 1513.655+/-0.205 χ^2/NDF: 636670.1/49



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: 709.395+/-2049.843 χ^2/NDF:3.4/7

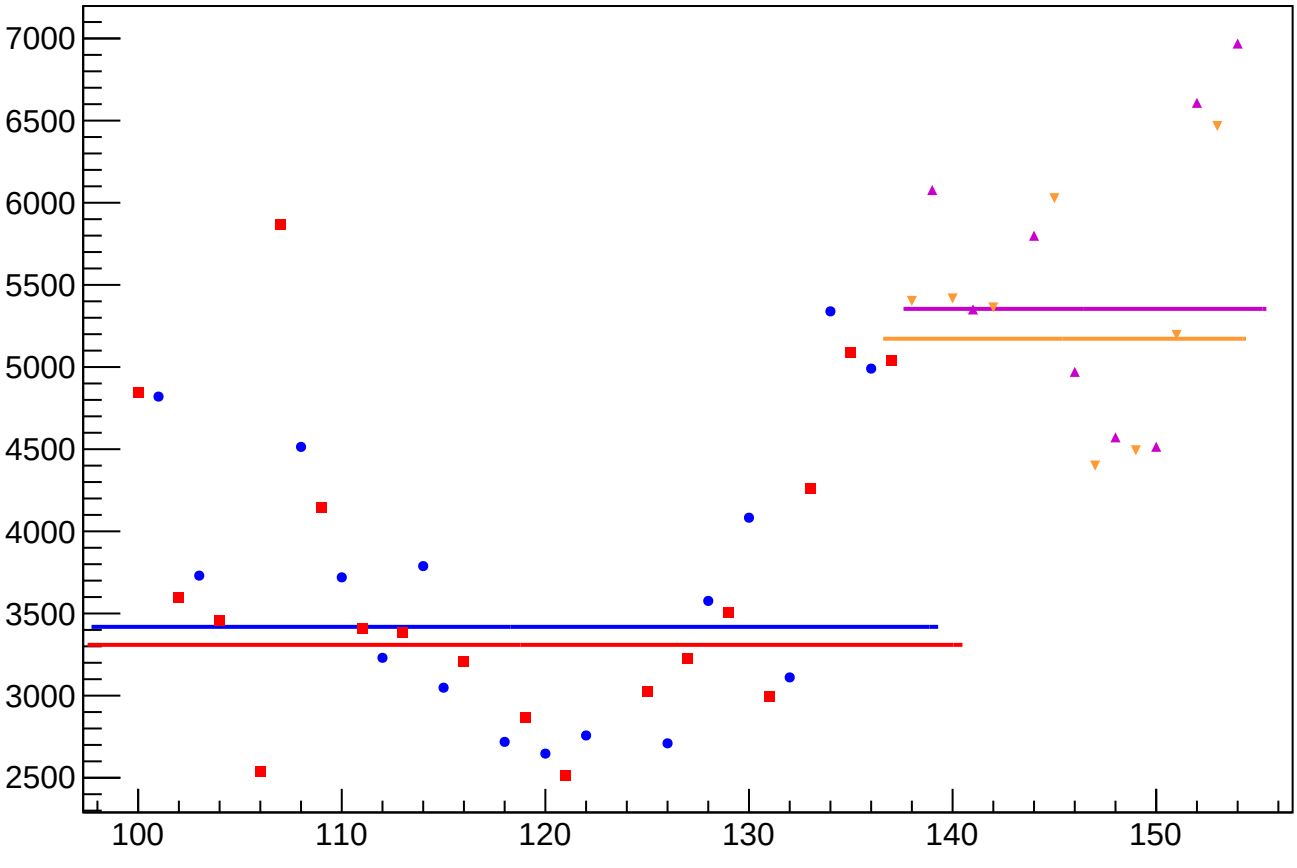
Left: 877.925+/-1467.792 χ^2/NDF: 16.0/15

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -142.266+/-1103.057 χ^2/NDF:19.5/23

Out: 822.558+/-1073.174 χ^2/NDF:31.8/25

All: 353.392+/-769.196 χ^2/NDF: 51.7/49



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: 5354.042+/-1.449 χ^2/NDF:312372.1/7

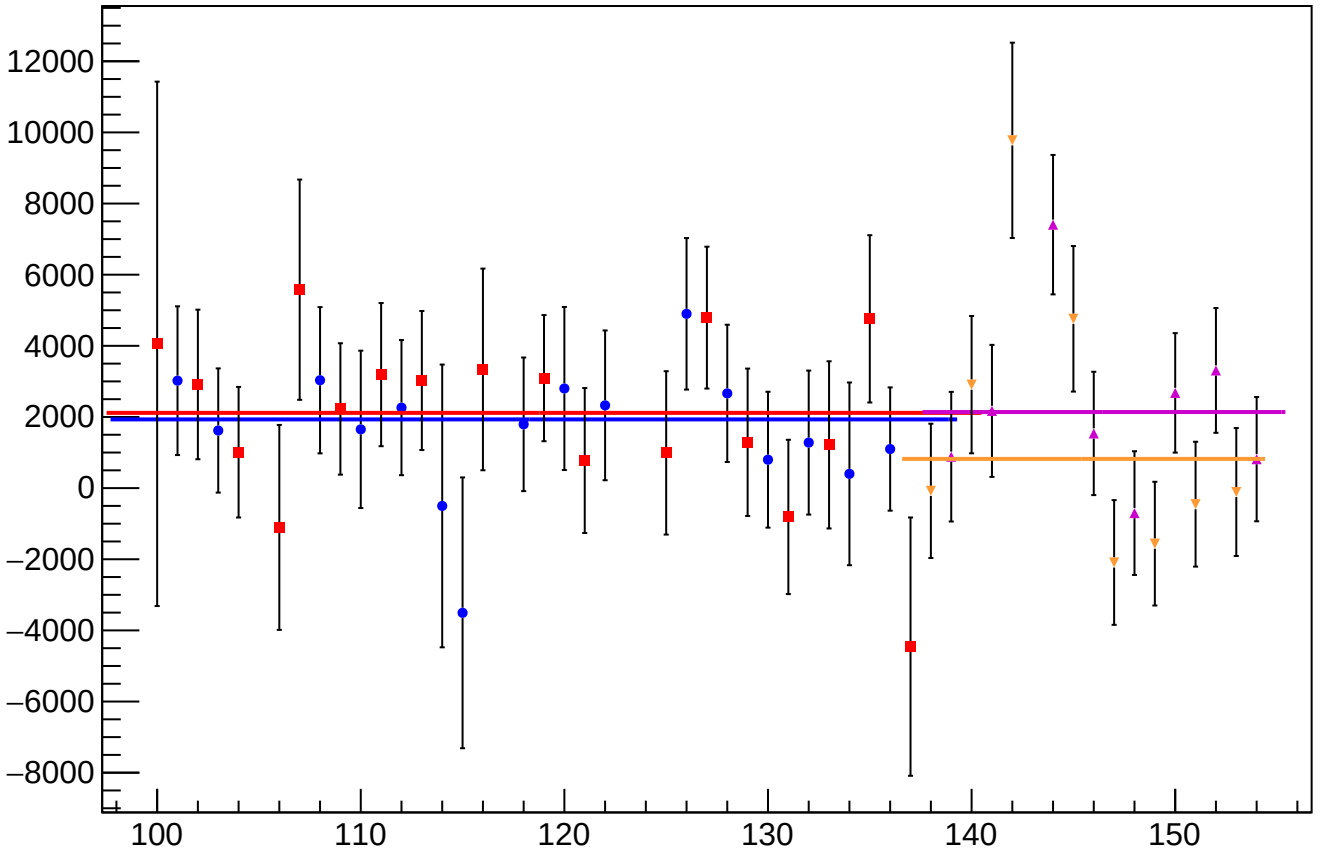
Left: 5265.435+/-1.038 χ^2/NDF: 514578.3/15

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3979.118+/-0.780 χ^2/NDF:2300144.2/23

Out: 3794.417+/-0.759 χ^2/NDF:1927618.8/25

All: 3884.232+/-0.544 χ^2/NDF: 4256570.8/49



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: 2138.718+/-629.605 χ^2/NDF:11.6/7

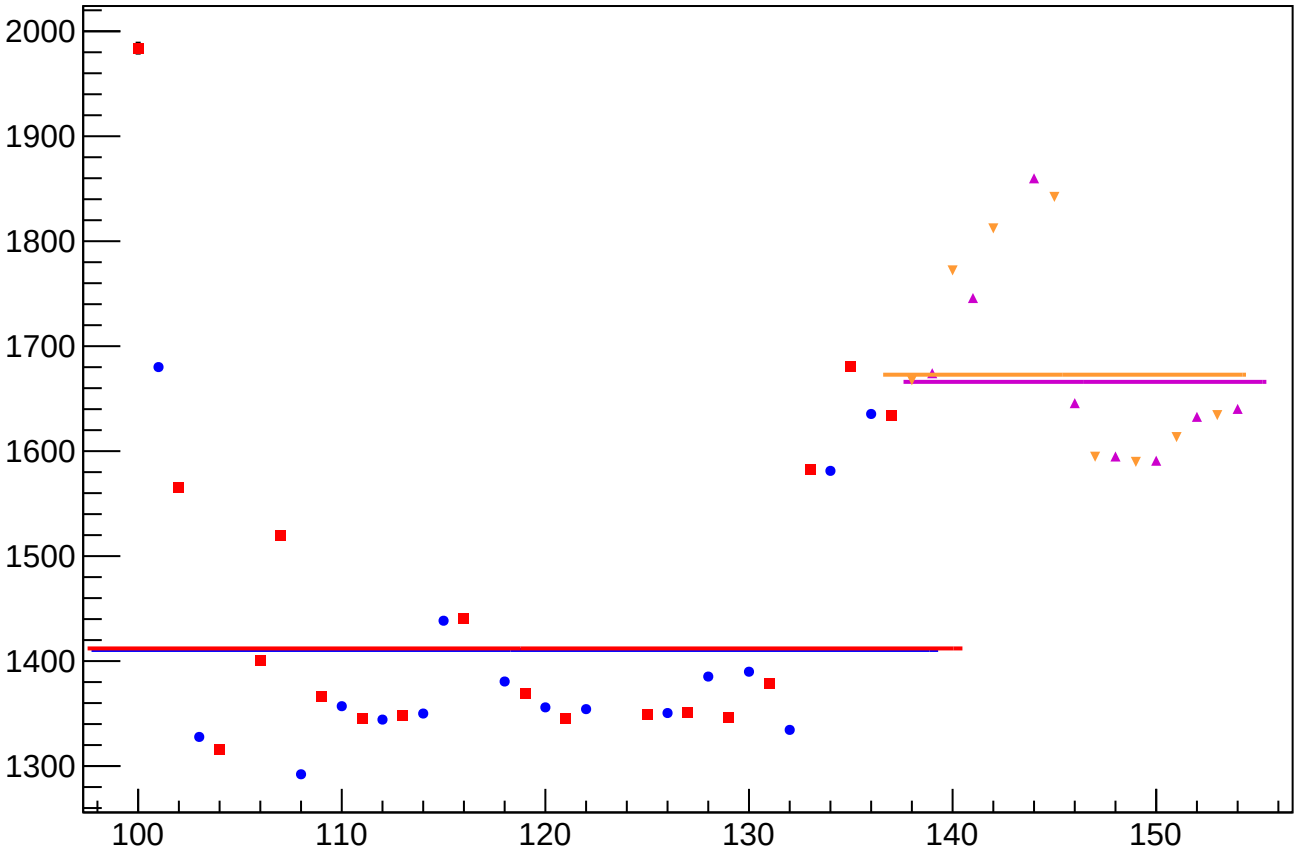
Left: 1523.488+/-459.645 χ^2/NDF: 34.8/15

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2016.918+/-404.177 χ^2/NDF:18.0/23

Out: 1620.951+/-415.706 χ^2/NDF:36.7/25

All: 1824.501+/-289.787 χ^2/NDF: 55.2/49



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: 1666.005+/-0.445 χ^2/NDF:32089.1/7

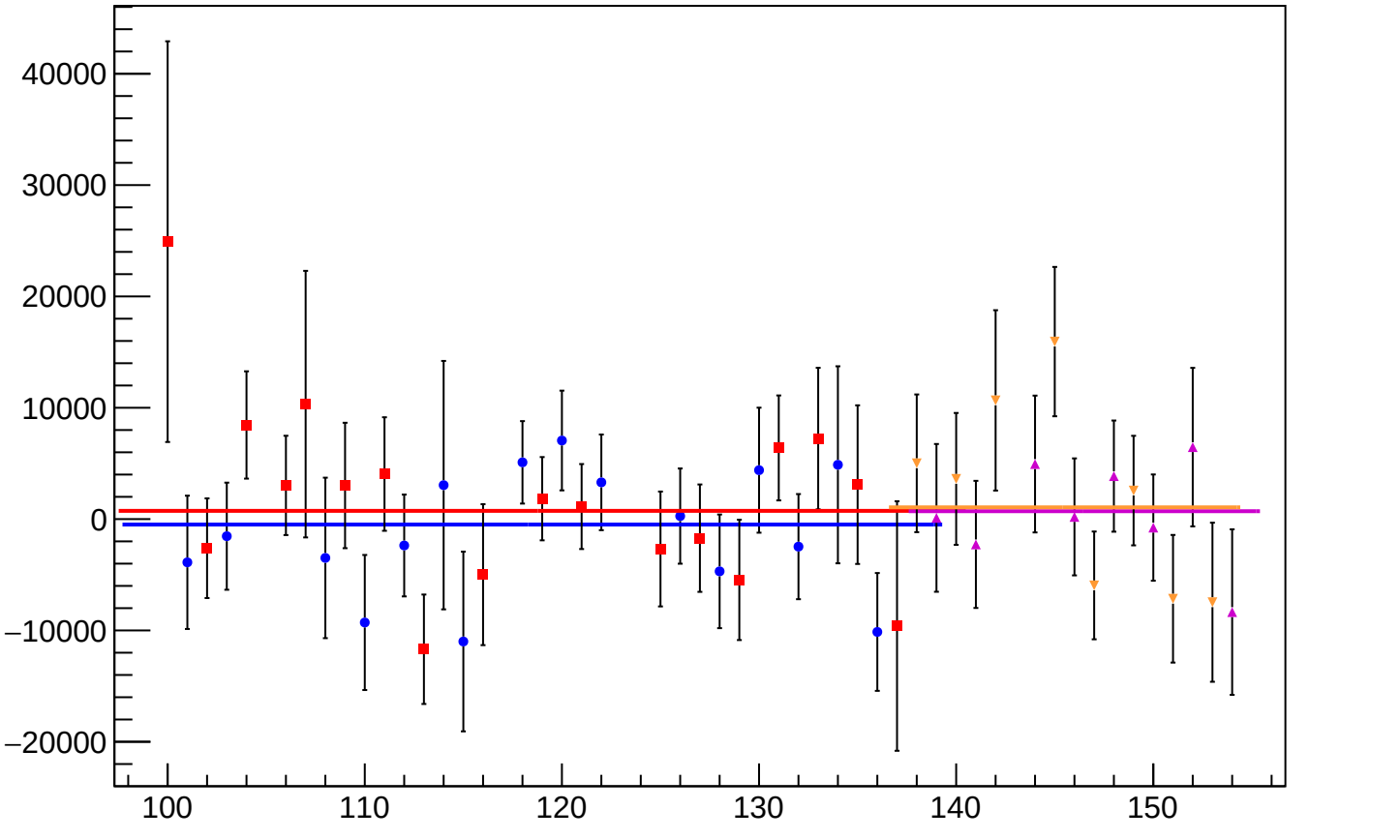
Left: 1669.193+/-0.325 χ^2/NDF: 68123.3/15

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1515.851+/-0.286 χ^2/NDF:324732.7/23

Out: 1511.340+/-0.293 χ^2/NDF:311820.6/25

All: 1513.655+/-0.205 χ^2/NDF: 636674.5/49



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: 709.397+/-2049.846 χ^2/NDF:3.4/7

Left: 877.922+/-1467.794 χ^2/NDF: 16.0/15

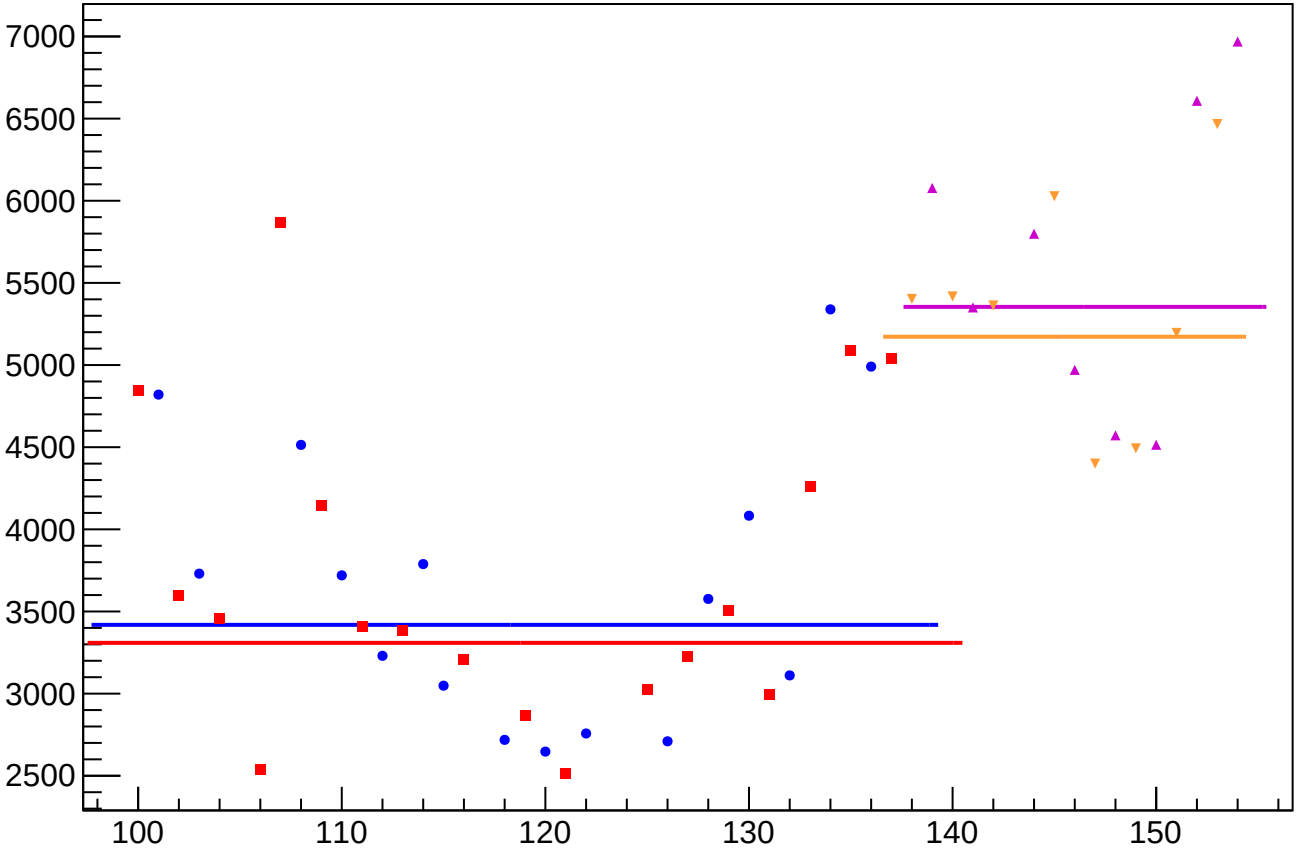
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -142.262+/-1103.055 χ^2/NDF:19.5/23

Out: 822.557+/-1073.172 χ^2/NDF:31.8/25

All: 353.393+/-769.195 χ^2/NDF: 51.7/49

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: 5354.048+/-1.449 χ^2/NDF:312374.5/7

Left: 5265.441+/-1.038 χ^2/NDF: 514583.1/15

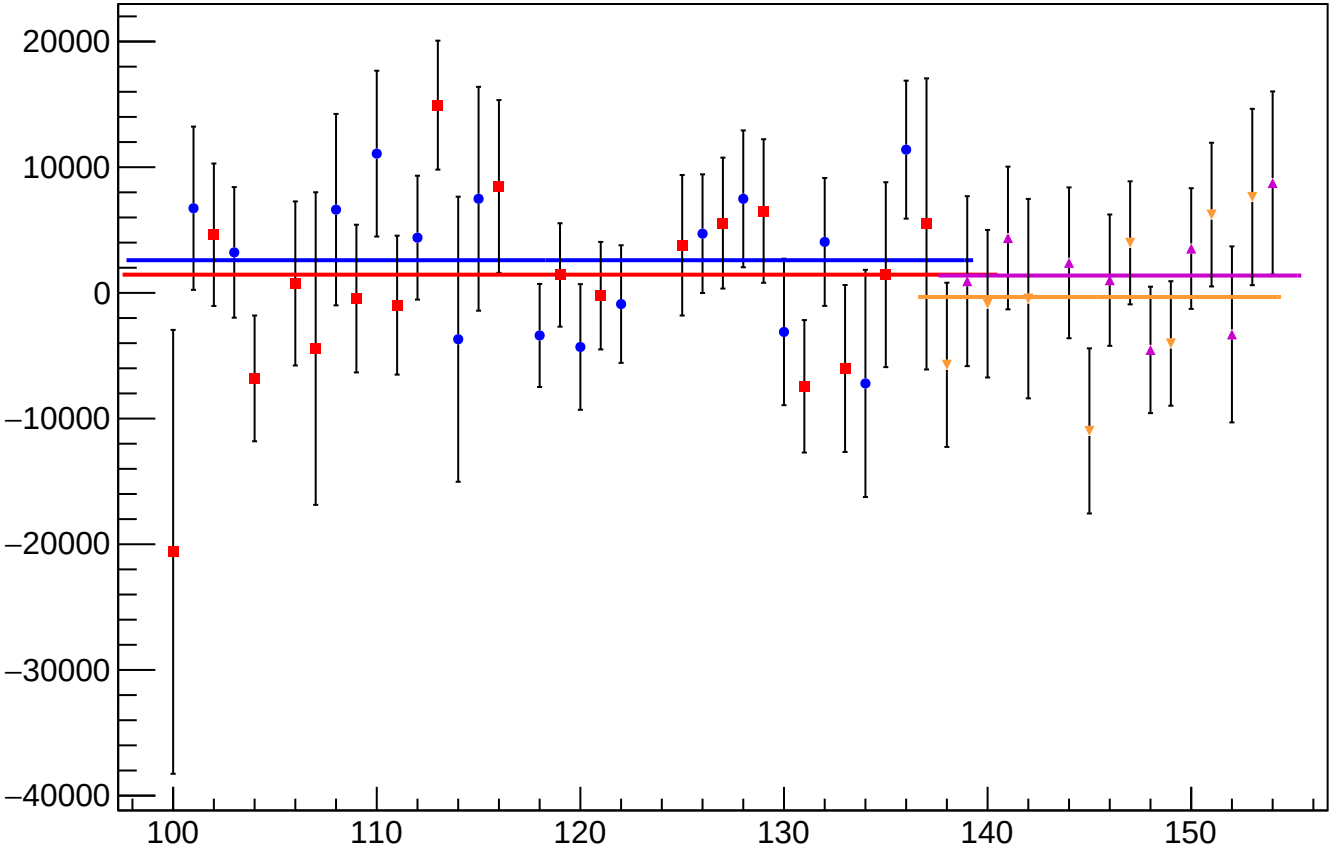
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3979.109+/-0.780 χ^2/NDF:2300177.7/23

Out: 3794.408+/-0.759 χ^2/NDF:1927644.7/25

All: 3884.223+/-0.544 χ^2/NDF: 4256630.1/49

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



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: 1379.834+/-2043.636 χ^2/NDF:3.4/7

Left: 554.068+/-1467.497 χ^2/NDF: 11.0/15

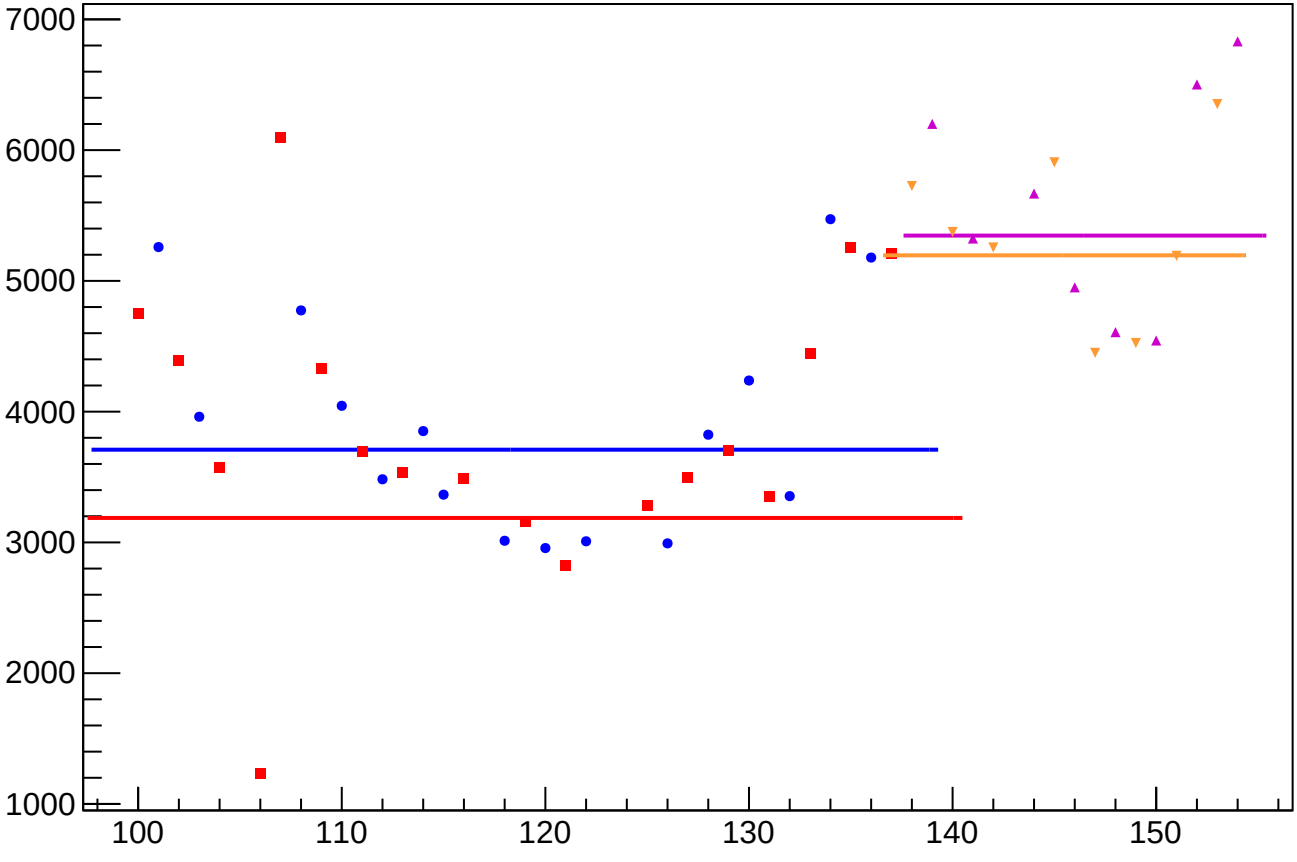
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2204.534+/-1163.077 χ^2/NDF:17.1/23

Out: 916.479+/-1156.341 χ^2/NDF:26.8/25

All: 1556.766+/-820.028 χ^2/NDF: 44.5/49

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: 5346.421+/-1.445 χ^2/NDF:285767.0/7

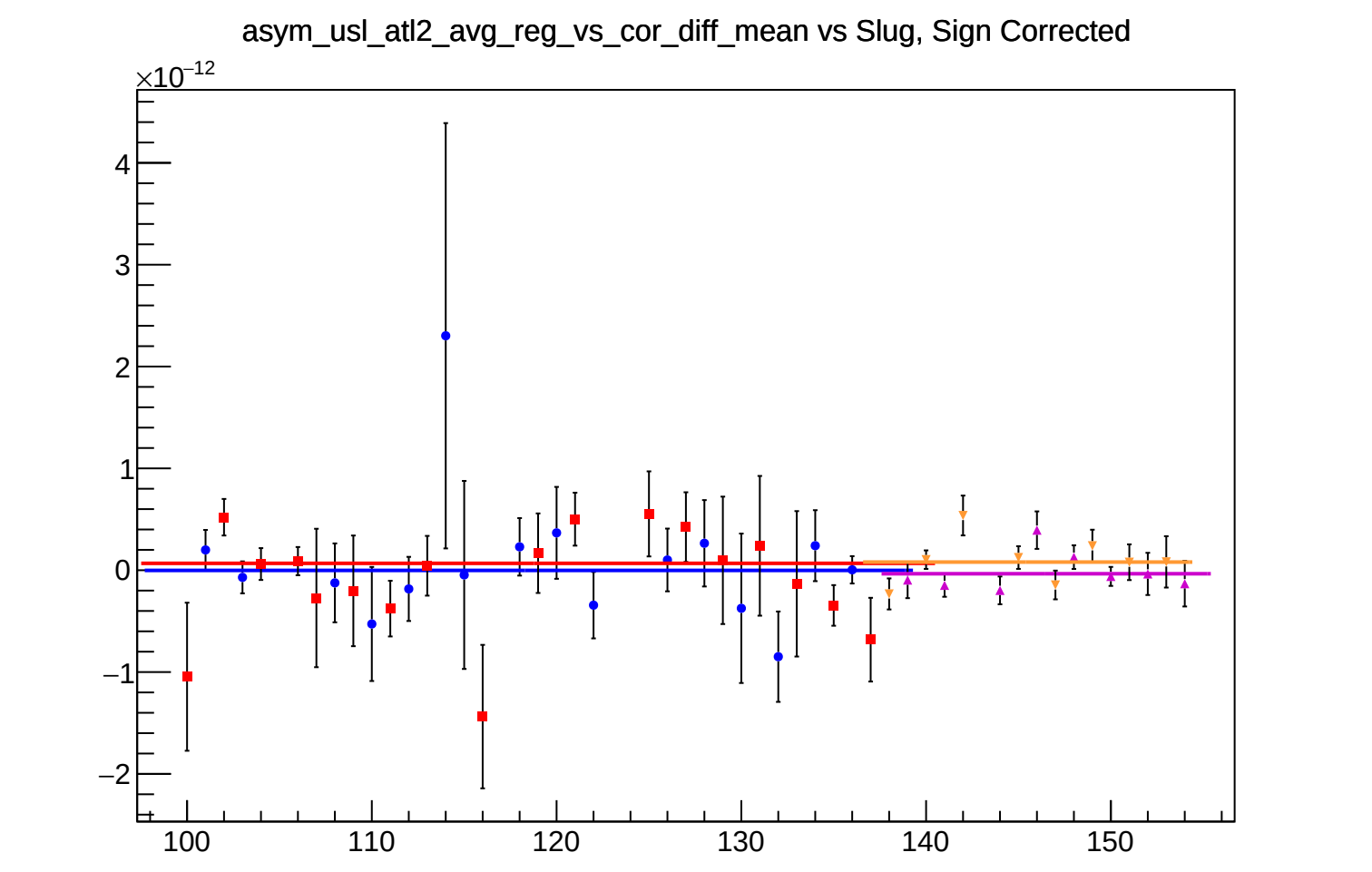
Left: 5273.338+/-1.038 χ^2/NDF: 467032.3/15

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4239.462+/-0.822 χ^2/NDF:1764312.3/23

Out: 3719.654+/-0.768 χ^2/NDF:3120116.1/25

All: 3961.700+/-0.561 χ^2/NDF: 5097895.2/49



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:10.2/7

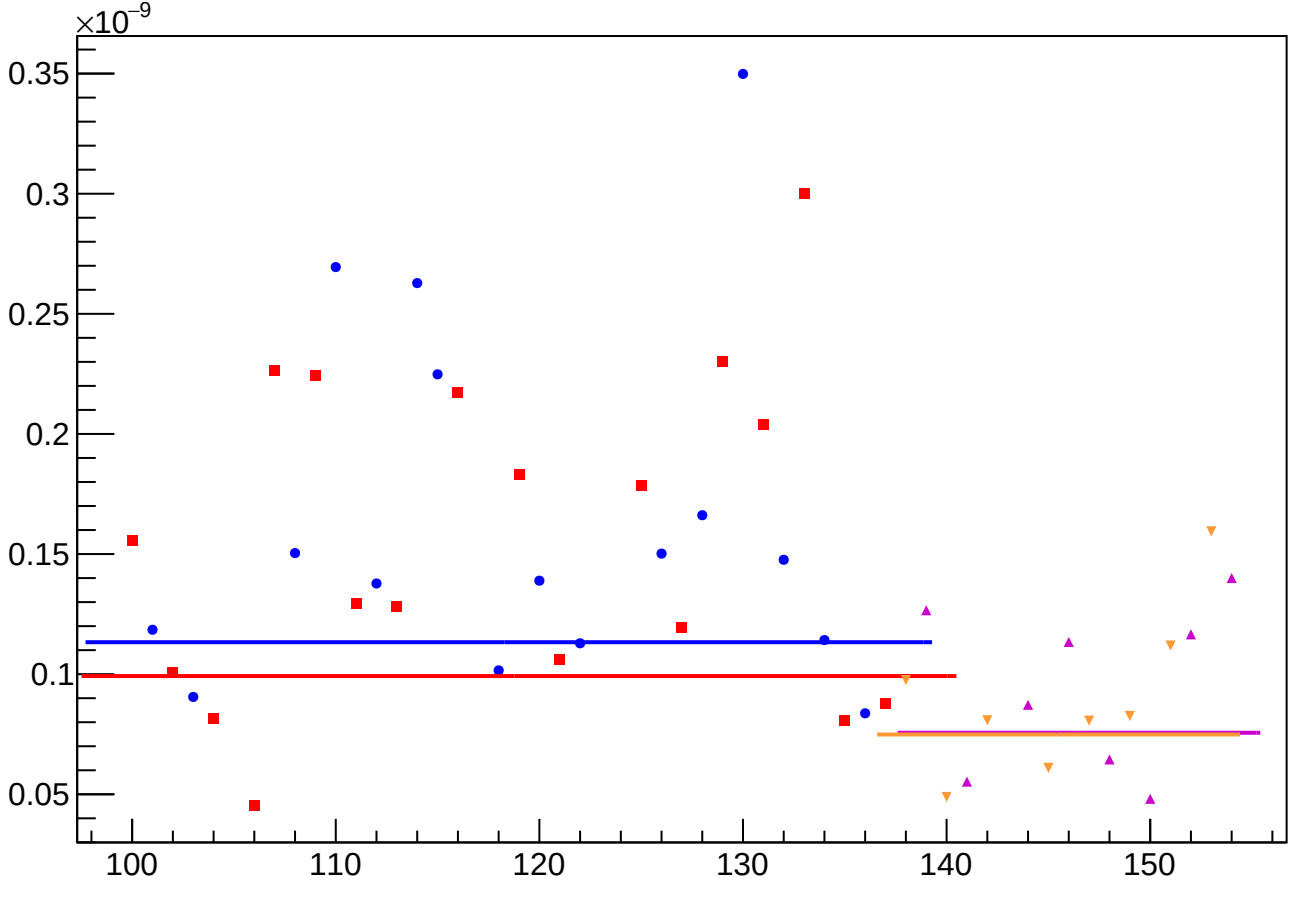
Left: 0.000+/-0.000 χ^2/NDF: 26.4/15

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:21.5/23

Out: 0.000+/-0.000 χ^2/NDF:43.0/25

All: 0.000+/-0.000 χ^2/NDF: 67.6/49



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:764702.5/7

Left: 0.000+/-0.000 χ^2/NDF: 1327738.3/15

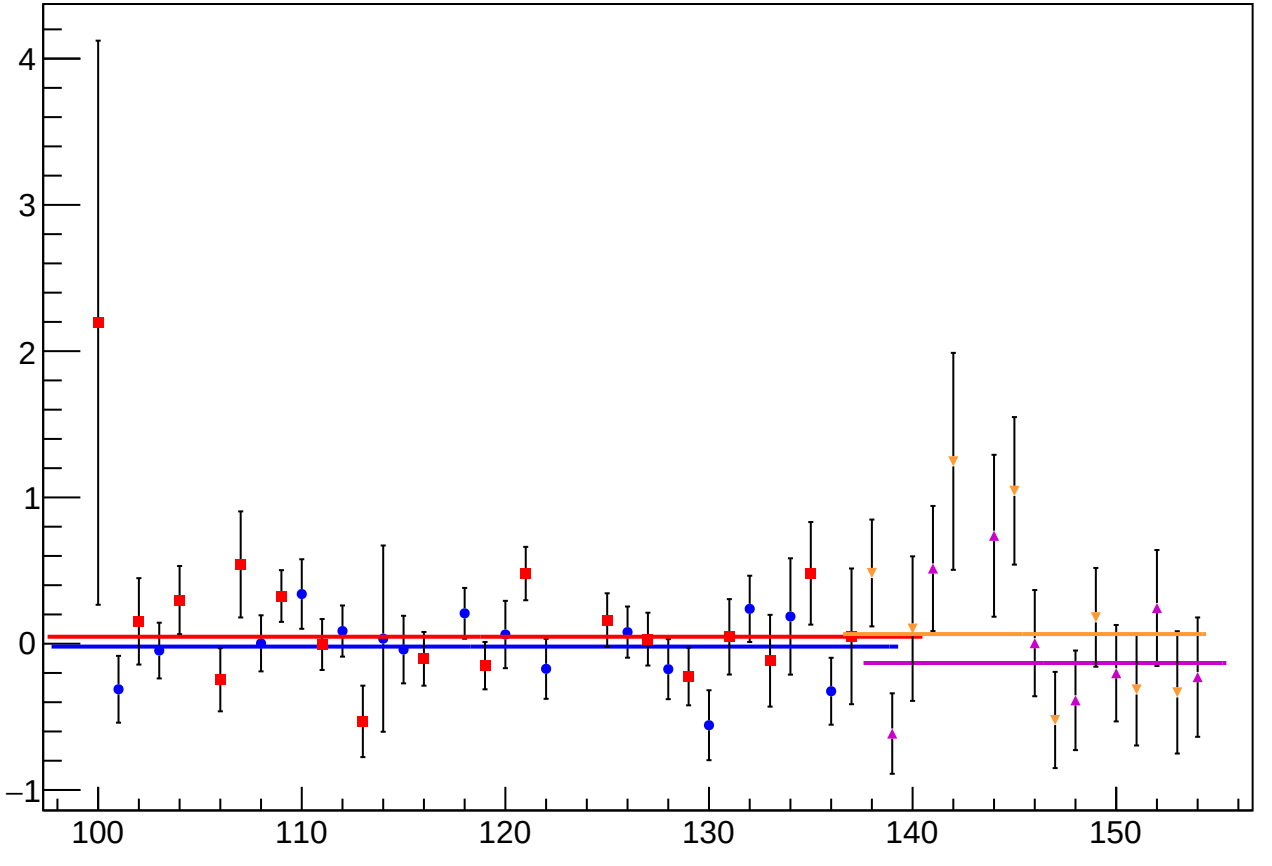
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1809418.6/23

Out: 0.000+/-0.000 χ^2/NDF:1838872.4/25

All: 0.000+/-0.000 χ^2/NDF: 3658614.3/49

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: -0.132+/-0.129 χ^2/NDF:9.5/7

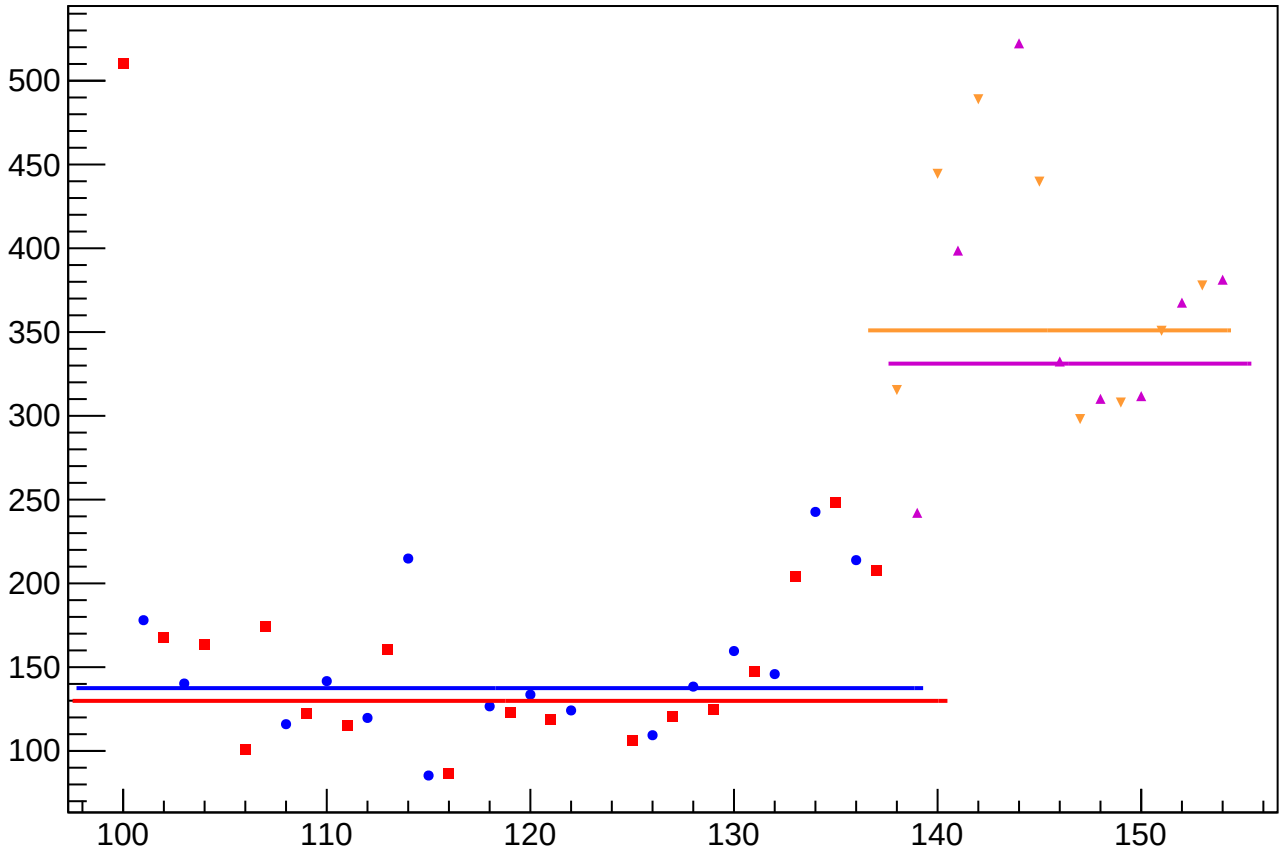
Left: -0.044+/-0.096 χ^2/NDF: 23.4/15

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.050 χ^2/NDF:26.2/23

Out: 0.050+/-0.049 χ^2/NDF:39.1/25

All: 0.007+/-0.035 χ^2/NDF: 66.8/49



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: 331.157+/-0.091 χ^2/NDF:559406.1/7

Left: 339.991+/-0.068 χ^2/NDF: 894649.1/15

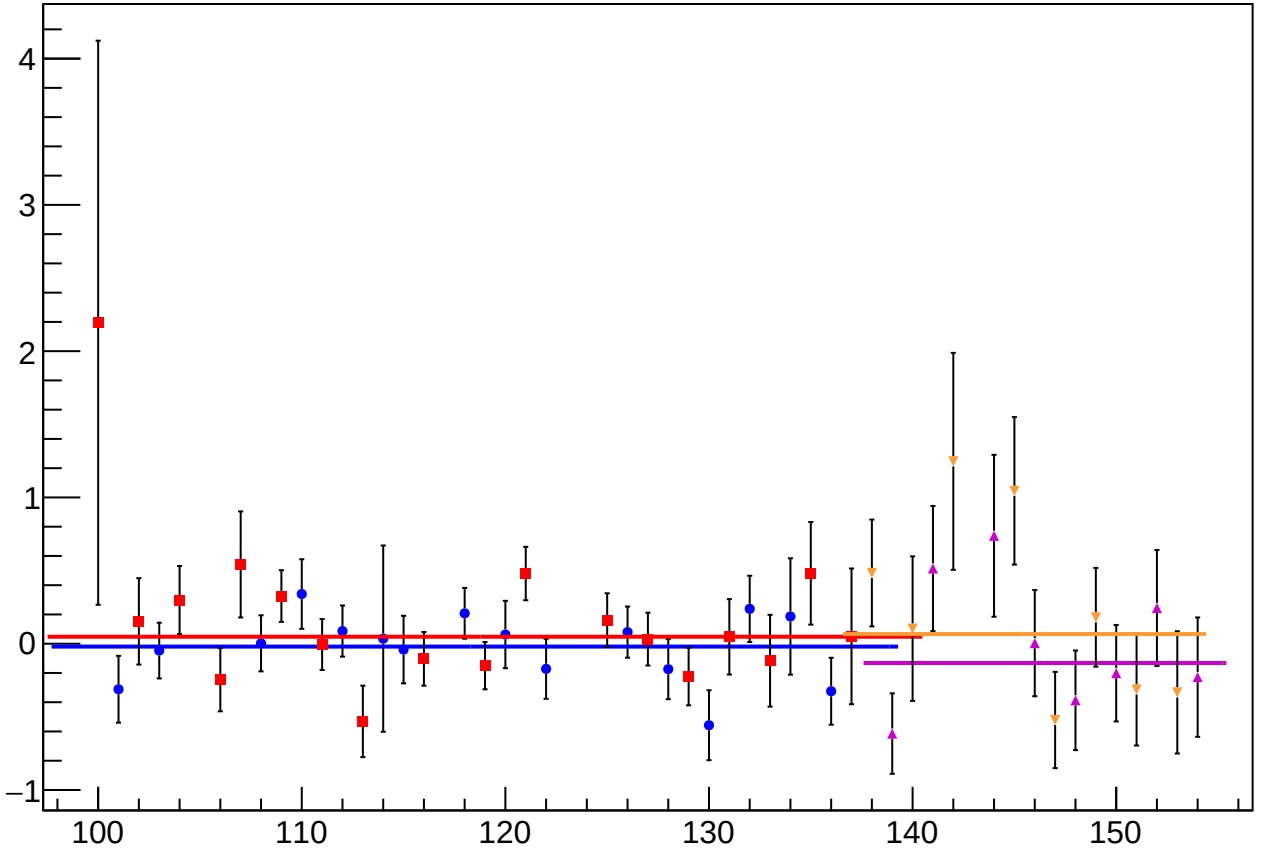
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 166.409+/-0.035 χ^2/NDF:5064237.0/23

Out: 155.670+/-0.035 χ^2/NDF:5285957.6/25

All: 160.968+/-0.025 χ^2/NDF: 10396949.0/49

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: -0.132+/-0.129 χ^2/NDF:9.5/7

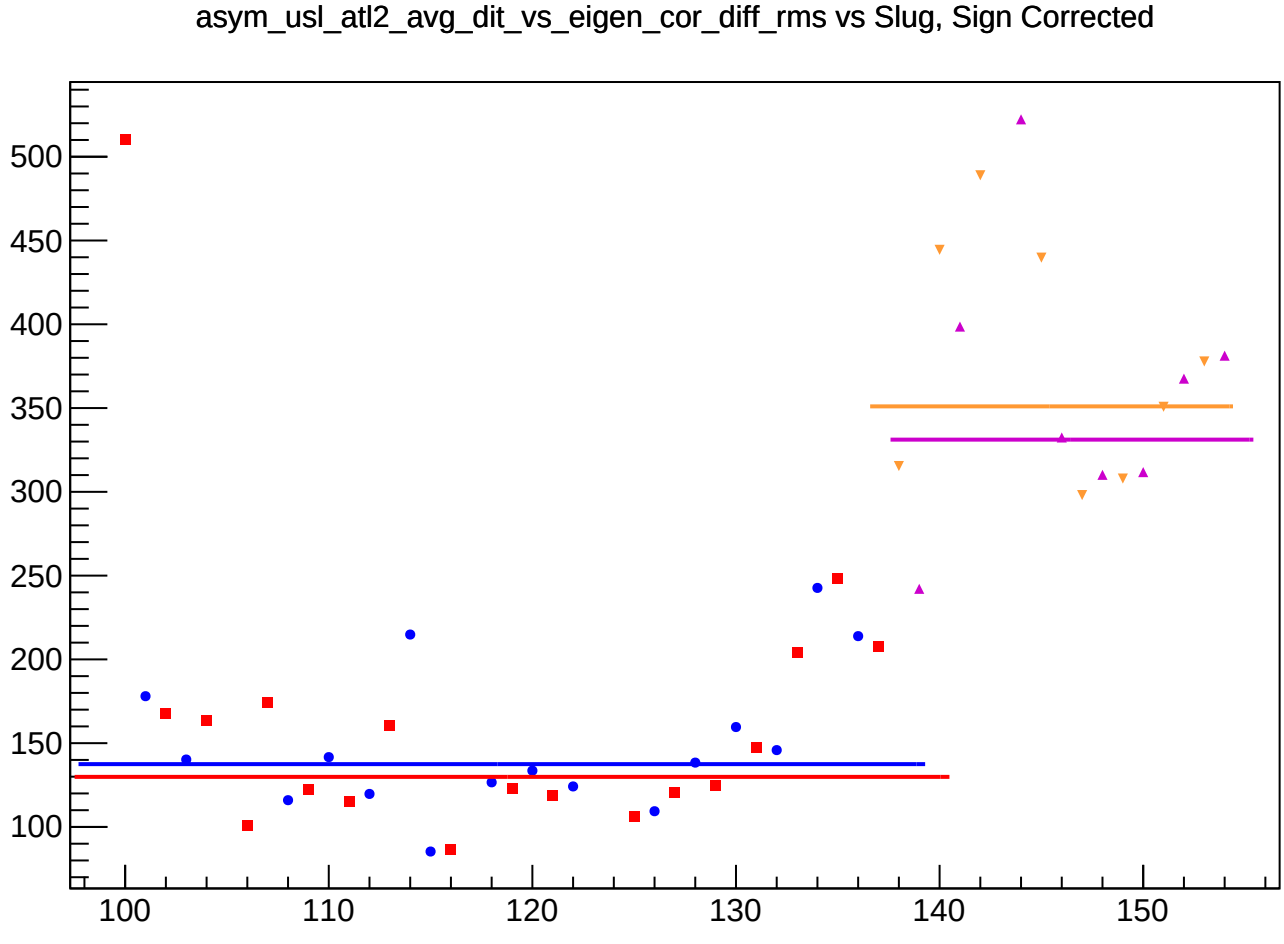
Left: -0.044+/-0.096 χ^2/NDF: 23.4/15

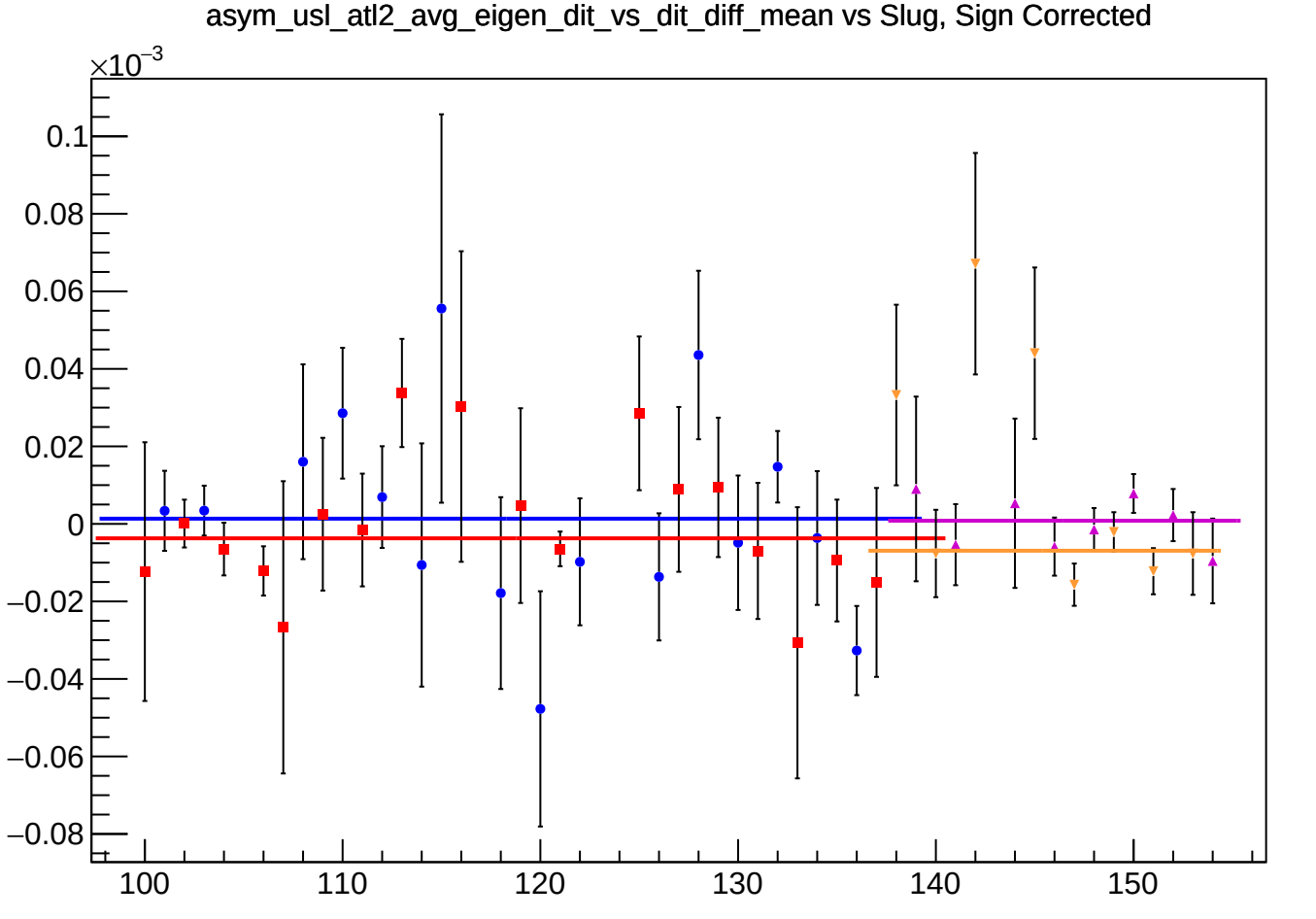
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

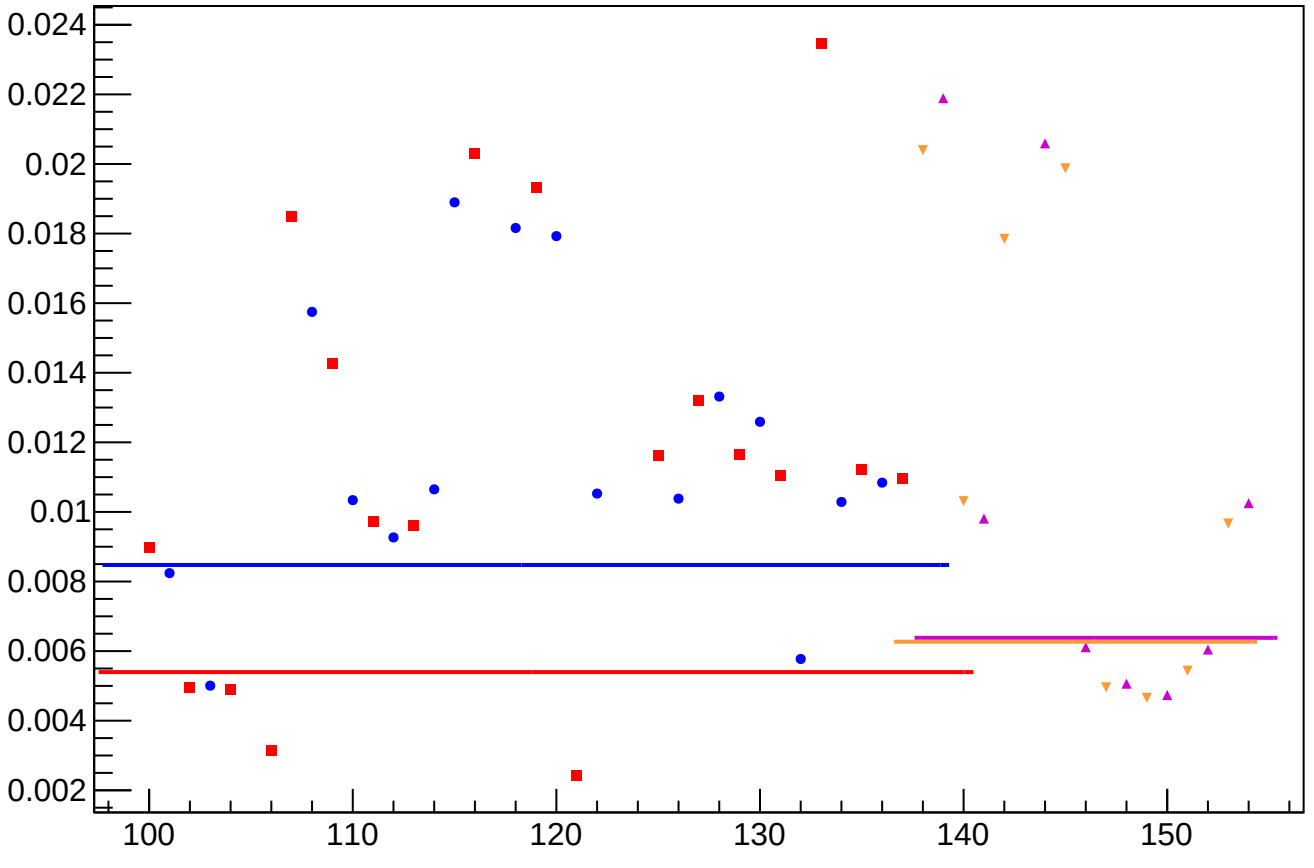
In: -0.036+/-0.050 χ^2/NDF:26.2/23

Out: 0.050+/-0.049 χ^2/NDF:39.1/25

All: 0.007+/-0.035 χ^2/NDF: 66.8/49


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: 331.157+/-0.091 χ²/NDF:559406.1/7
Left: 339.991+/-0.068 χ²/NDF: 894649.1/15
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 166.409+/-0.035 χ²/NDF:5064237.0/23
Out: 155.670+/-0.035 χ²/NDF:5285957.6/25
All: 160.968+/-0.025 χ²/NDF: 10396949.0/49


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:4.4/7
Left: -0.000+/-0.000 χ²/NDF: 27.5/15
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:28.3/23
Out: -0.000+/-0.000 χ²/NDF:35.8/25
All: -0.000+/-0.000 χ²/NDF: 68.7/49



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:2496410.0/7

Left: 0.006+/-0.000 χ^2/NDF: 5133966.0/15

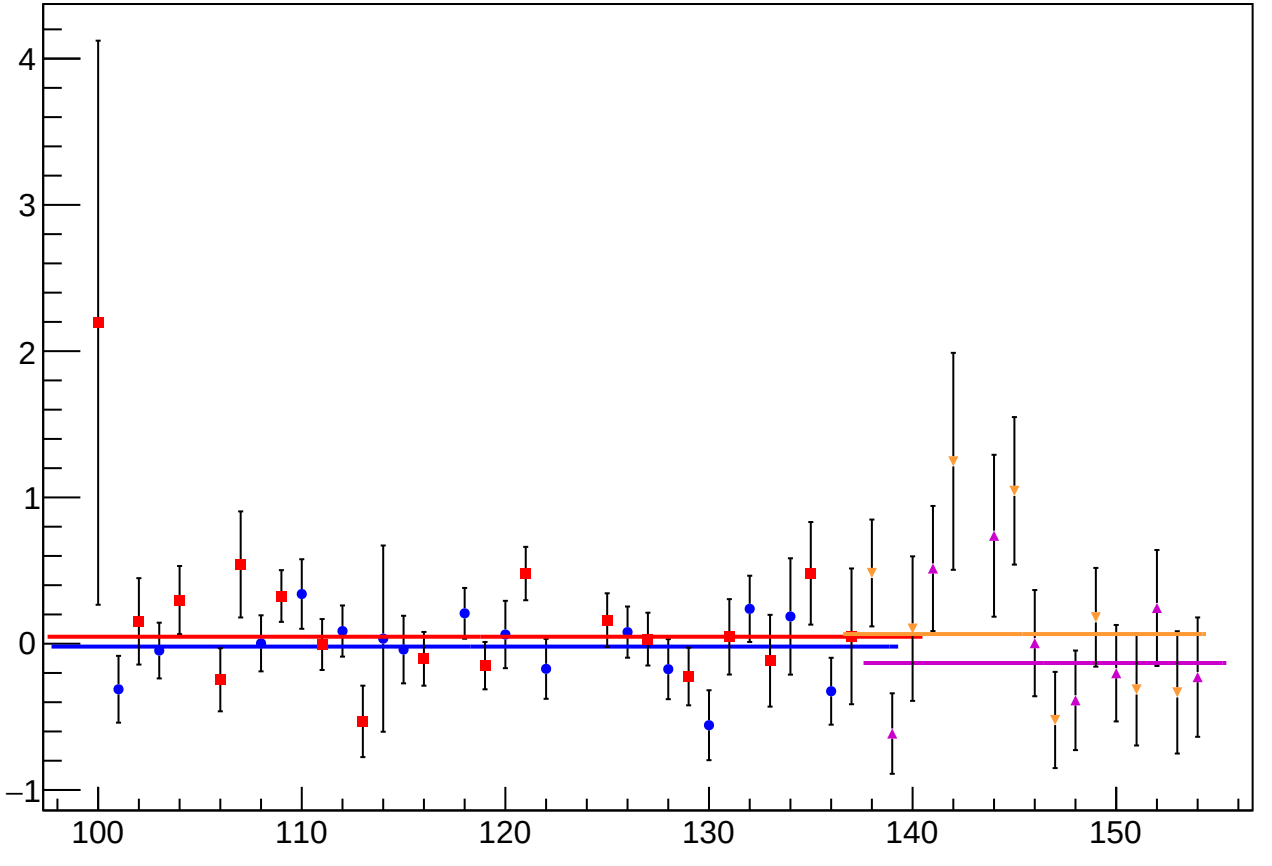
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:4875147.1/23

Out: 0.006+/-0.000 χ^2/NDF:7649608.6/25

All: 0.006+/-0.000 χ^2/NDF: 13011725.0/49

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: -0.132+/-0.129 χ^2/NDF:9.5/7

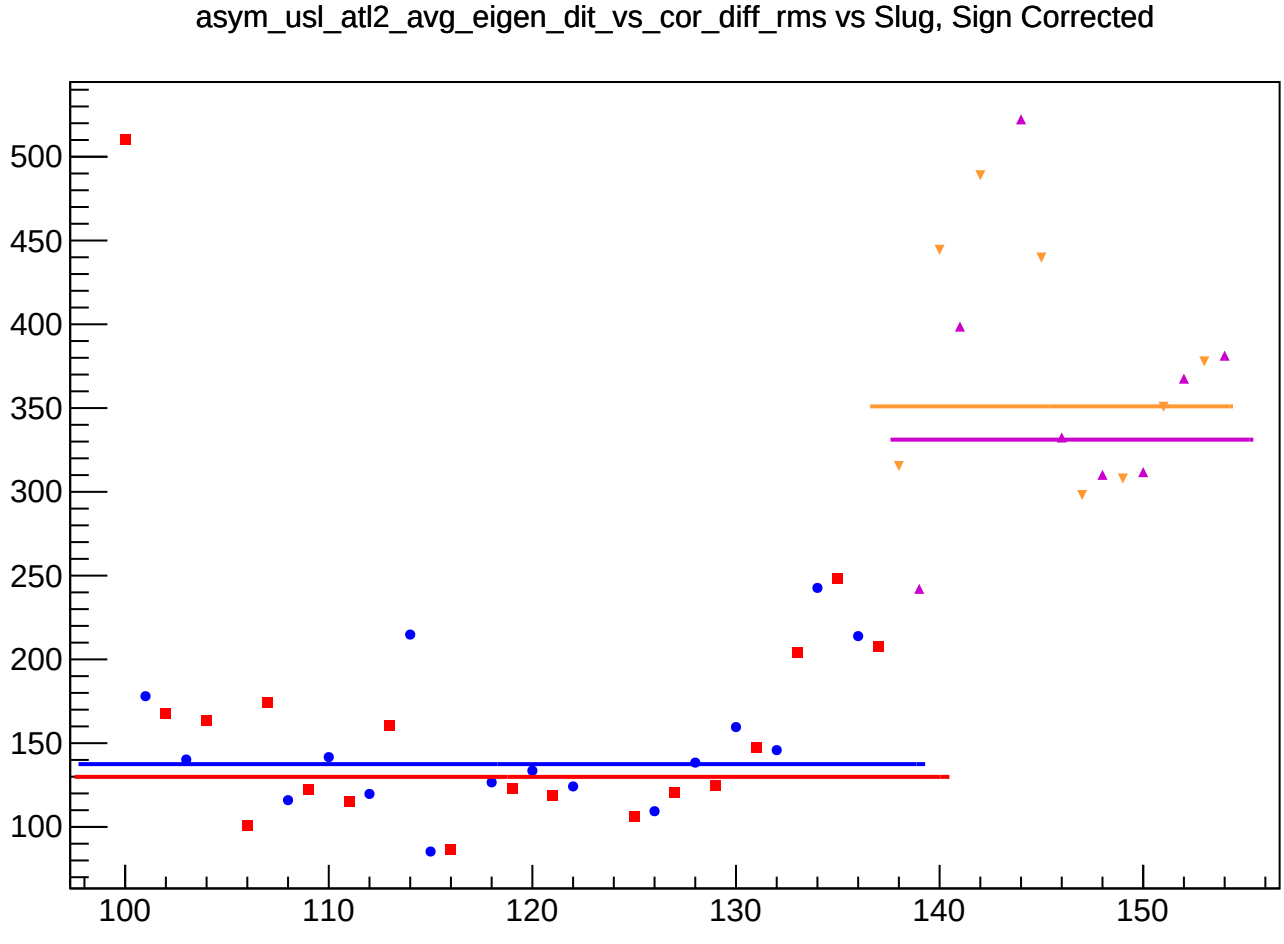
Left: -0.044+/-0.096 χ^2/NDF: 23.4/15

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.050 χ^2/NDF:26.2/23

Out: 0.050+/-0.049 χ^2/NDF:39.1/25

All: 0.007+/-0.035 χ^2/NDF: 66.8/49



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: 331.162+/-0.091 χ^2/NDF:559390.9/7

Left: 339.995+/-0.068 χ^2/NDF: 894658.7/15

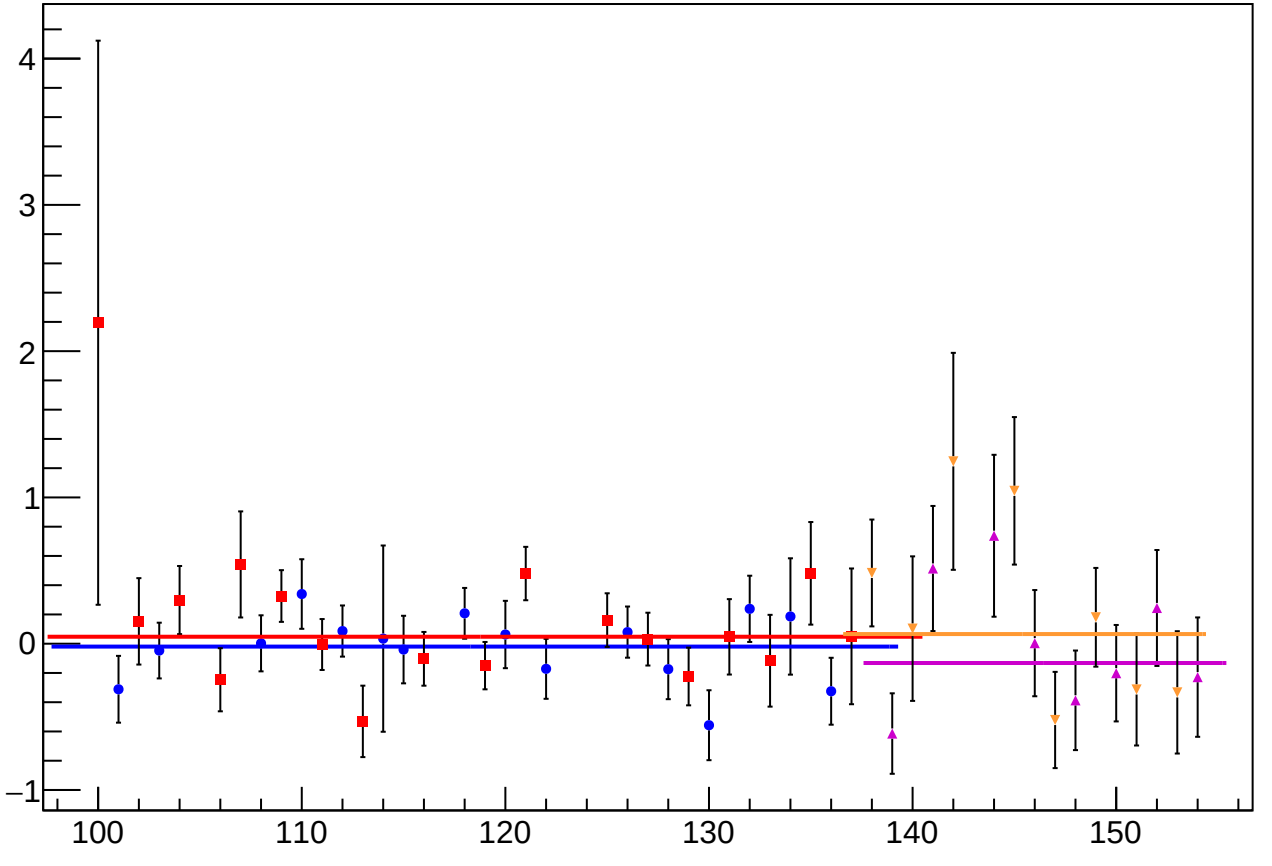
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 166.409+/-0.035 χ^2/NDF:5064301.3/23

Out: 155.669+/-0.035 χ^2/NDF:5285984.2/25

All: 160.968+/-0.025 χ^2/NDF: 10397039.5/49

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.066+/-0.144 χ^2/NDF:12.8/7

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.132+/-0.129 χ^2/NDF:9.5/7

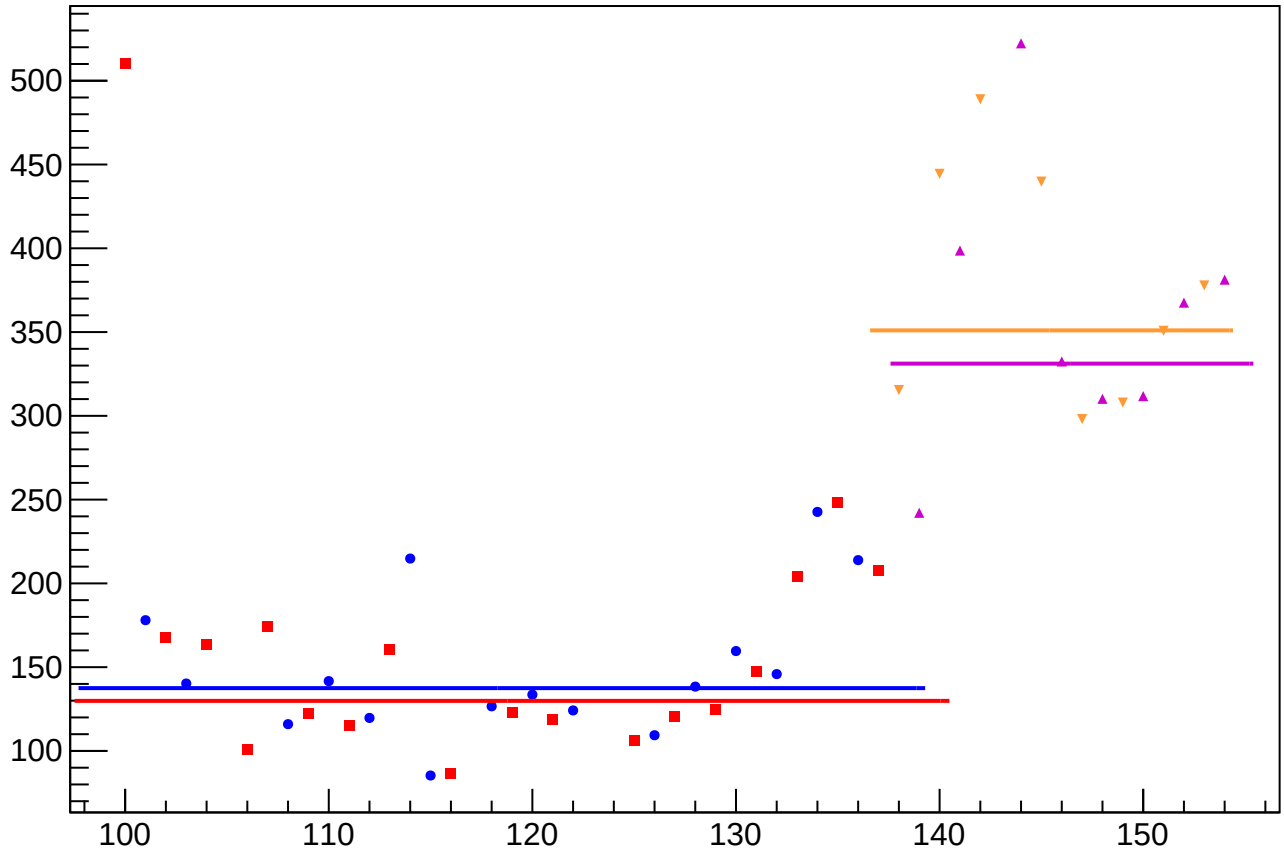
Left: -0.044+/-0.096 χ^2/NDF: 23.4/15

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.050 χ^2/NDF:26.2/23

Out: 0.050+/-0.049 χ^2/NDF:39.1/25

All: 0.007+/-0.035 χ^2/NDF: 66.8/49



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: 331.162+/-0.091 χ^2/NDF:559390.9/7

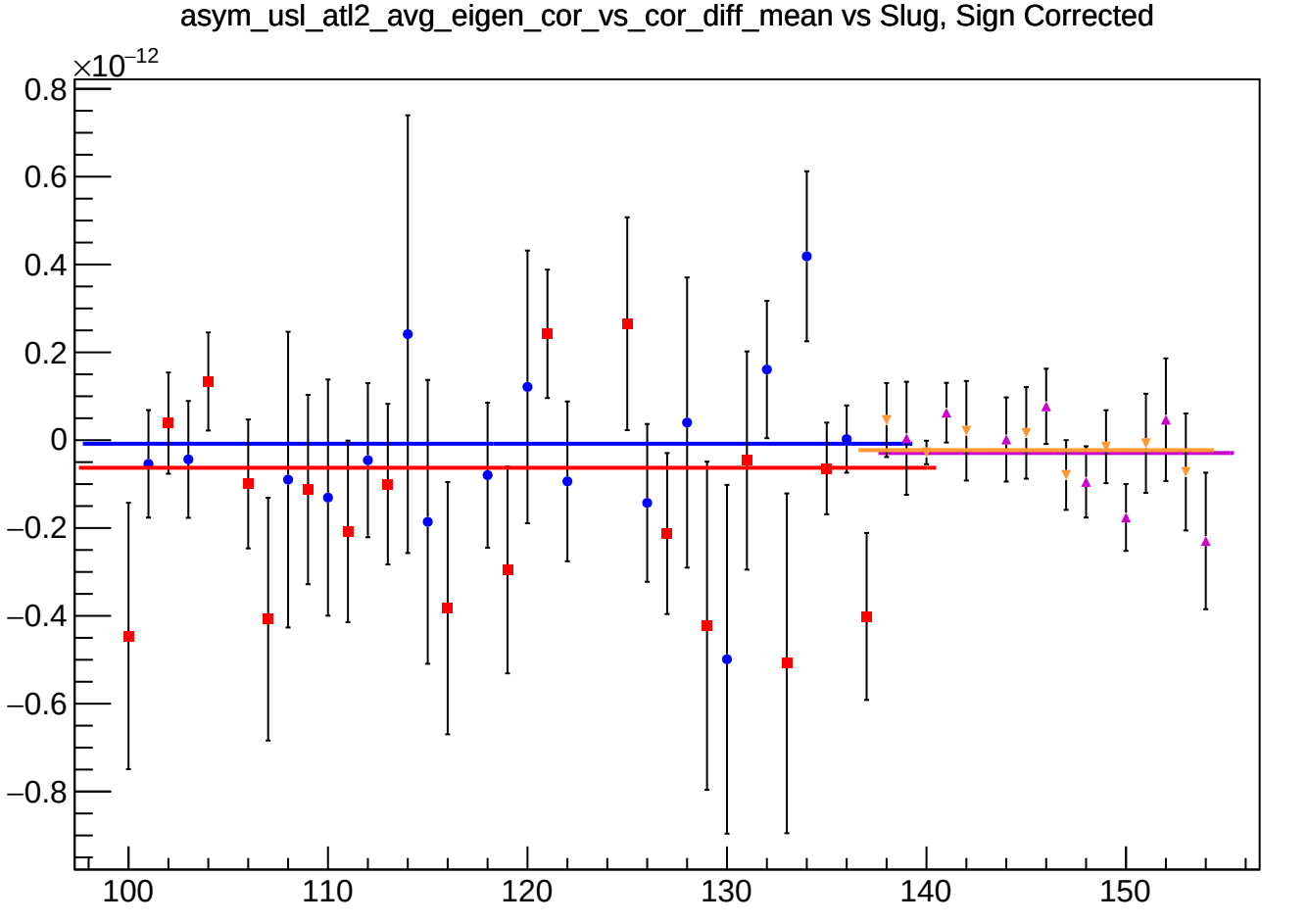
Left: 339.995+/-0.068 χ^2/NDF: 894658.7/15

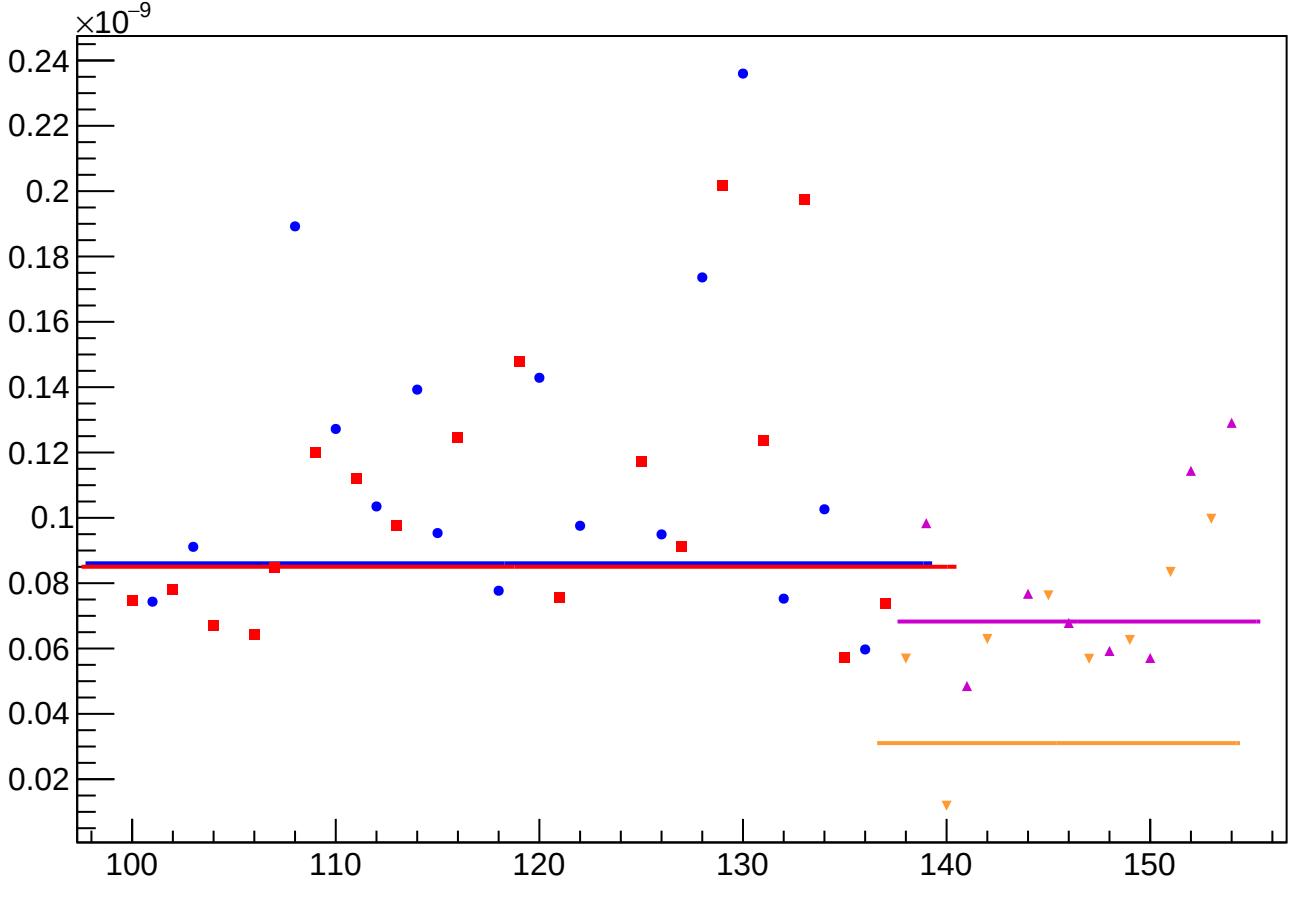
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 166.409+/-0.035 χ^2/NDF:5064301.3/23

Out: 155.669+/-0.035 χ^2/NDF:5285984.2/25

All: 160.968+/-0.025 χ^2/NDF: 10397039.5/49


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:9.9/7
Left: -0.000+/-0.000 χ²/NDF: 11.6/15
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:19.8/23
Out: -0.000+/-0.000 χ²/NDF:24.6/25
All: -0.000+/-0.000 χ²/NDF: 44.5/49



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:885966.5/7

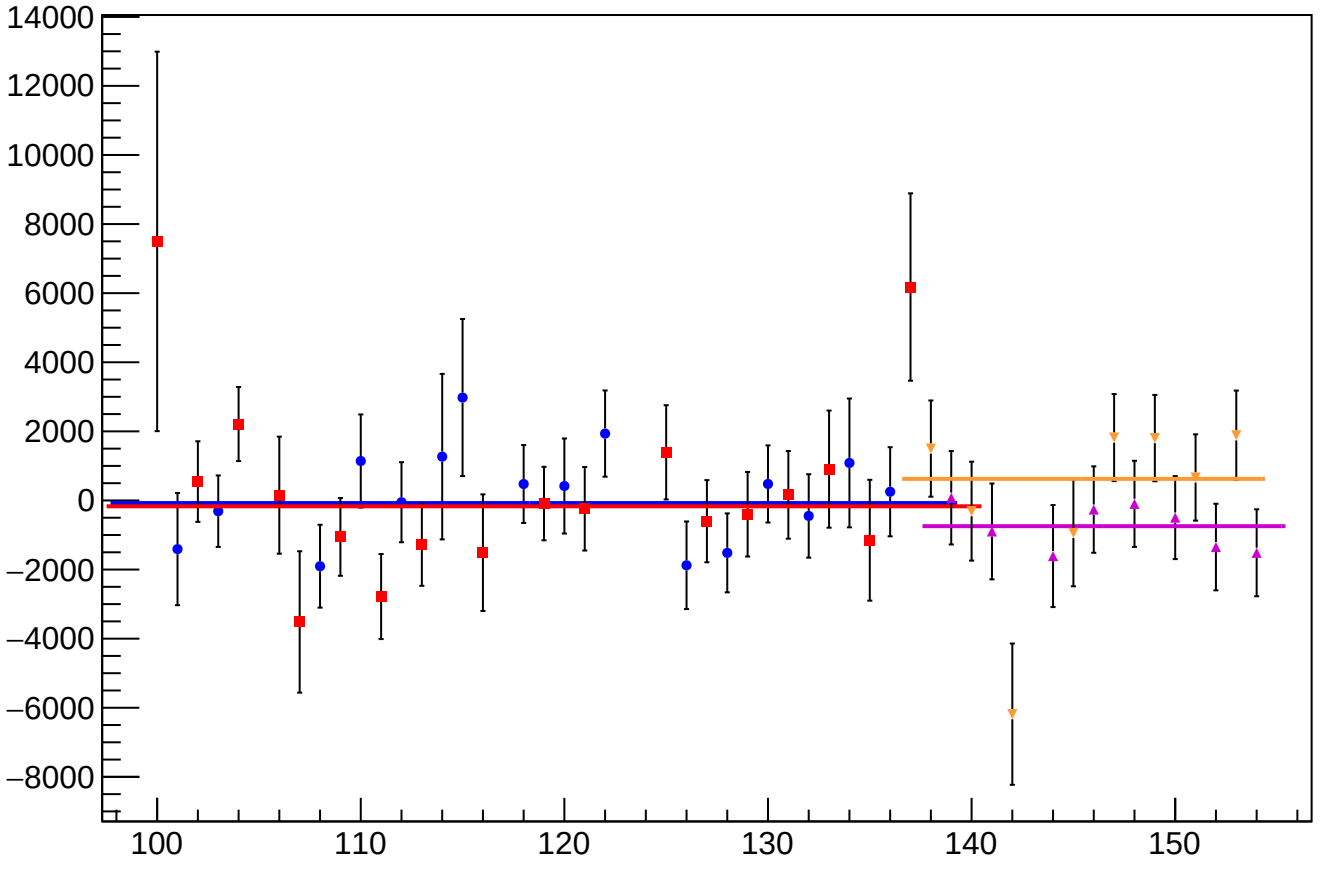
Left: 0.000+/-0.000 χ^2/NDF: 5916071.0/15

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

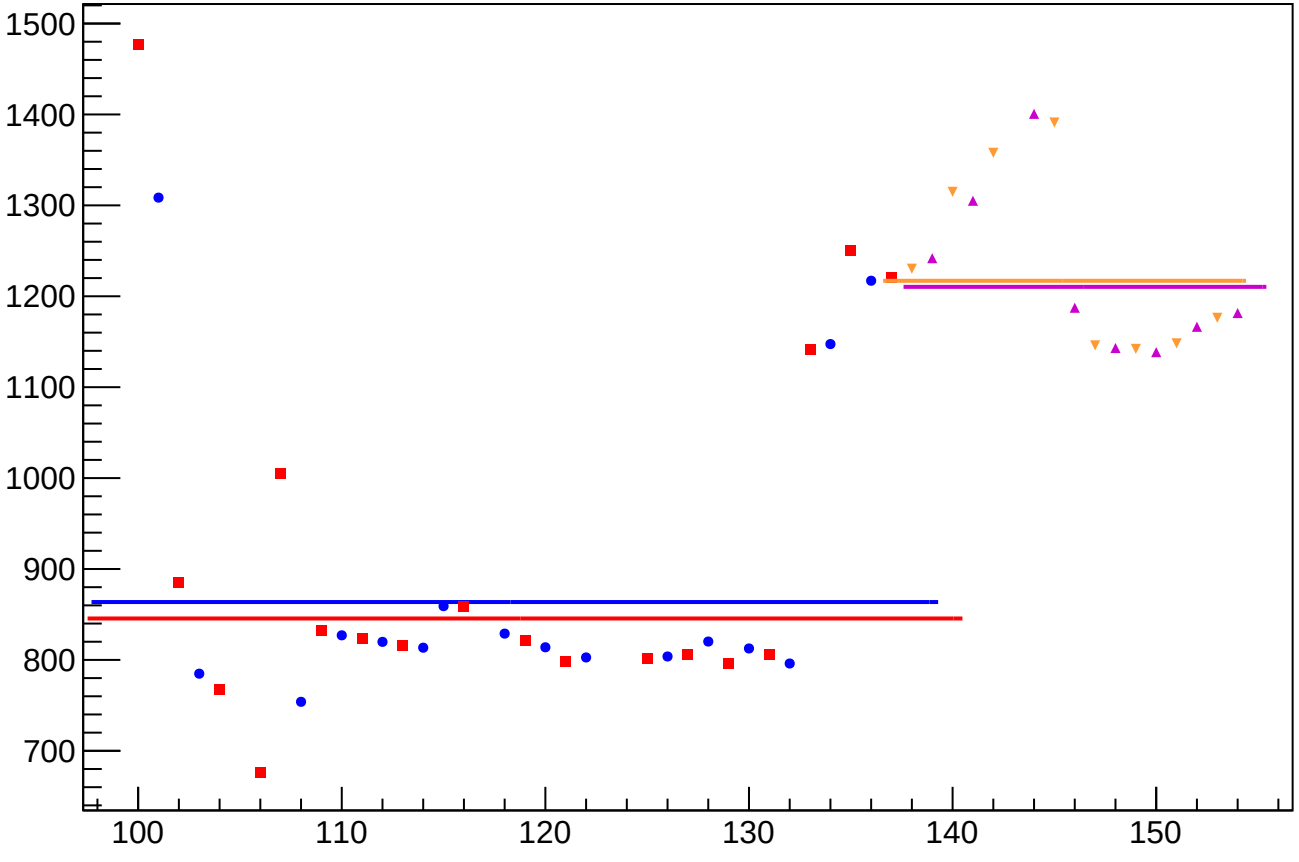
In: 0.000+/-0.000 χ^2/NDF:2179290.7/23

Out: 0.000+/-0.000 χ^2/NDF:6842829.0/25

All: 0.000+/-0.000 χ^2/NDF: 11056638.0/49


reg_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: -75.944+/-326.226 χ²/NDF: 13.4/15
Left Out: 624.872+/-489.735 χ²/NDF:15.7/7
Right Out: -169.345+/-321.827 χ²/NDF: 24.4/17
Left In: -744.885+/-457.900 χ²/NDF:1.8/7
Left: -105.971+/-334.473 χ²/NDF: 21.6/15
Right: -123.279+/-229.106 χ²/NDF: 37.8/33
In: -301.164+/-265.693 χ²/NDF:16.6/23
Out: 70.189+/-268.952 χ²/NDF:41.9/25
All: -117.751+/-189.015 χ²/NDF: 59.4/49

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: 1210.360+/-0.324 χ^2/NDF:60782.7/7

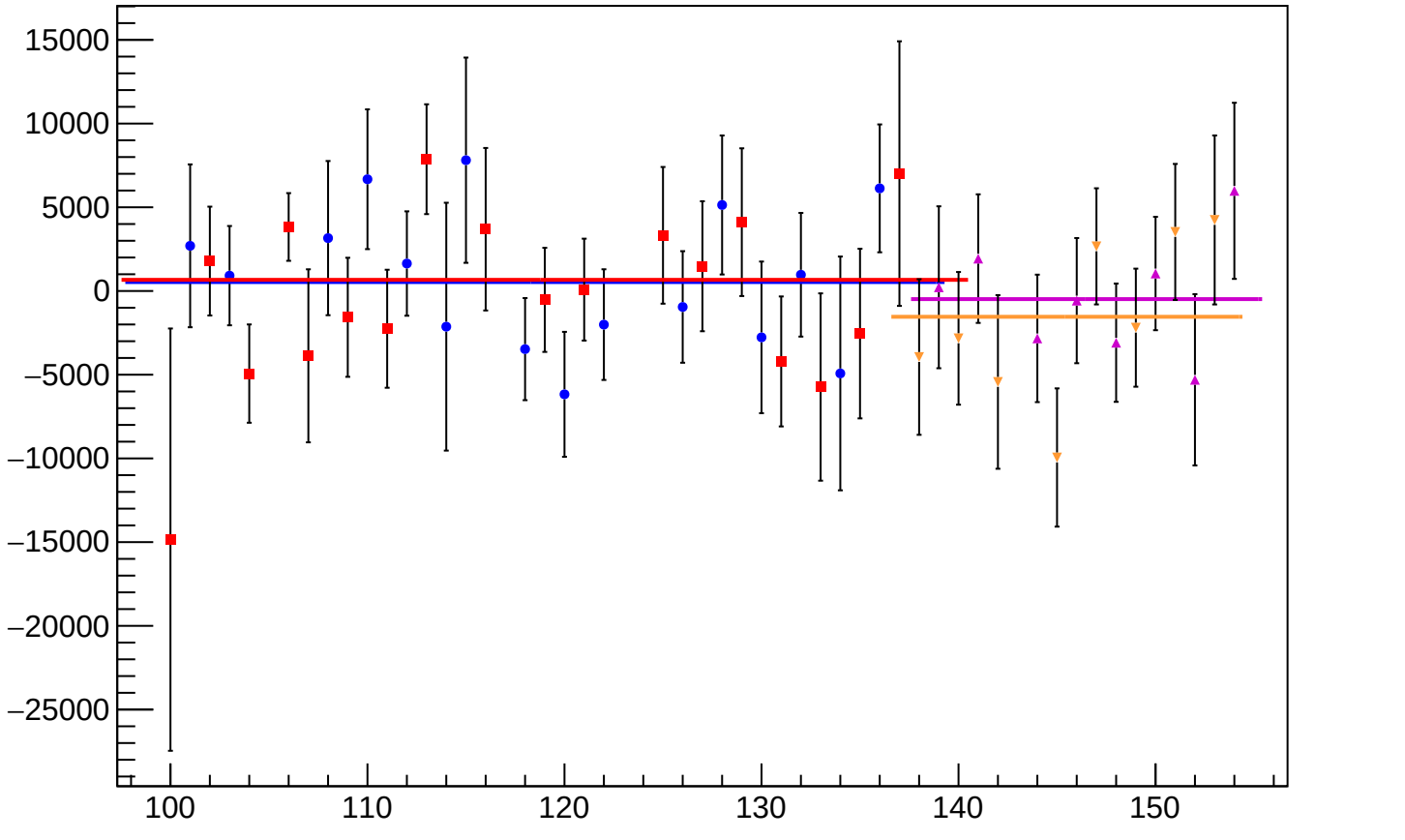
Left: 1213.471+/-0.237 χ^2/NDF: 126947.9/15

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 980.388+/-0.188 χ^2/NDF:1228809.1/23

Out: 955.671+/-0.189 χ^2/NDF:1183294.6/25

All: 968.073+/-0.133 χ^2/NDF: 2420727.9/49



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: -484.826+/-1424.340 χ^2/NDF:3.9/7

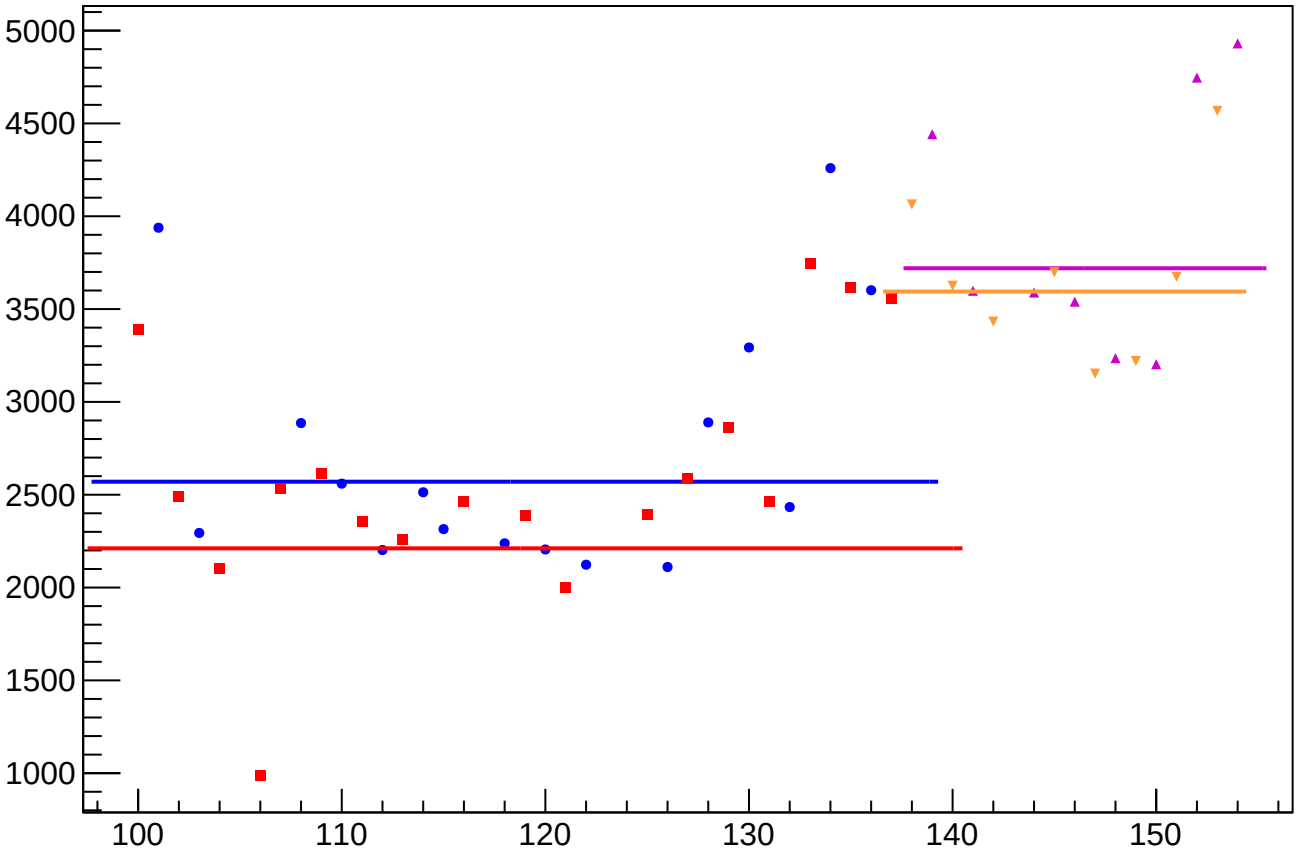
Left: -999.693+/-1019.452 χ^2/NDF: 13.7/15

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 206.414+/-808.079 χ^2/NDF:18.9/23

Out: 92.518+/-744.142 χ^2/NDF:31.1/25

All: 144.783+/-547.398 χ^2/NDF: 50.1/49



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: 3719.844+/-1.007 χ^2/NDF:324527.9/7

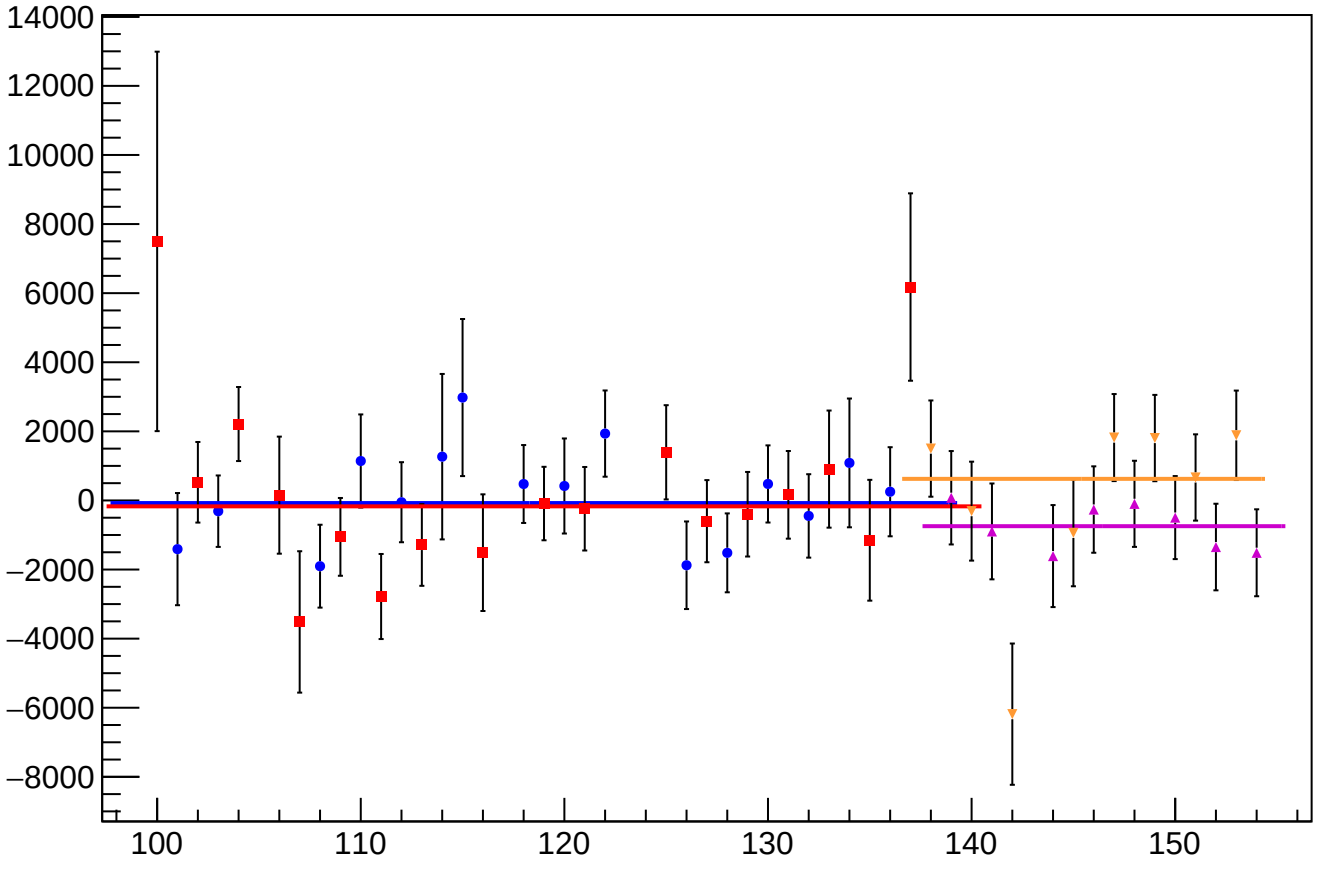
Left: 3658.632+/-0.721 χ^2/NDF: 486025.0/15

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2940.192+/-0.571 χ^2/NDF:1870678.8/23

Out: 2570.683+/-0.526 χ^2/NDF:2746833.0/25

All: 2740.243+/-0.387 χ^2/NDF: 4843802.1/49



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: -744.923+/-457.900 χ^2/NDF:1.8/7

Left: -106.011+/-334.473 χ^2/NDF: 21.7/15

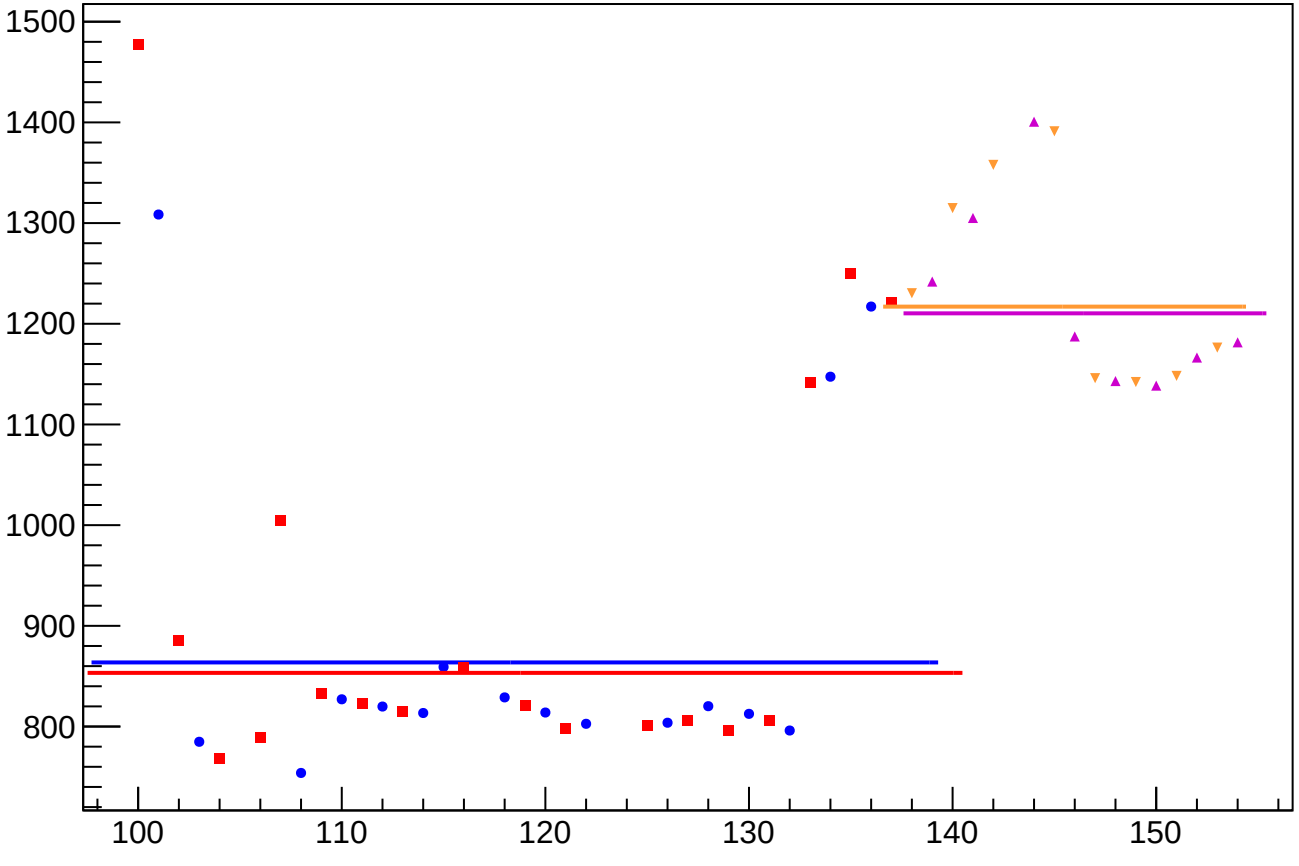
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -301.229+/-265.693 χ^2/NDF:16.6/23

Out: 69.038+/-268.955 χ^2/NDF:41.9/25

All: -118.355+/-189.016 χ^2/NDF: 59.4/49

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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: 1210.360+/-0.324 χ^2/NDF:60782.7/7

Left: 1213.471+/-0.237 χ^2/NDF: 126947.9/15

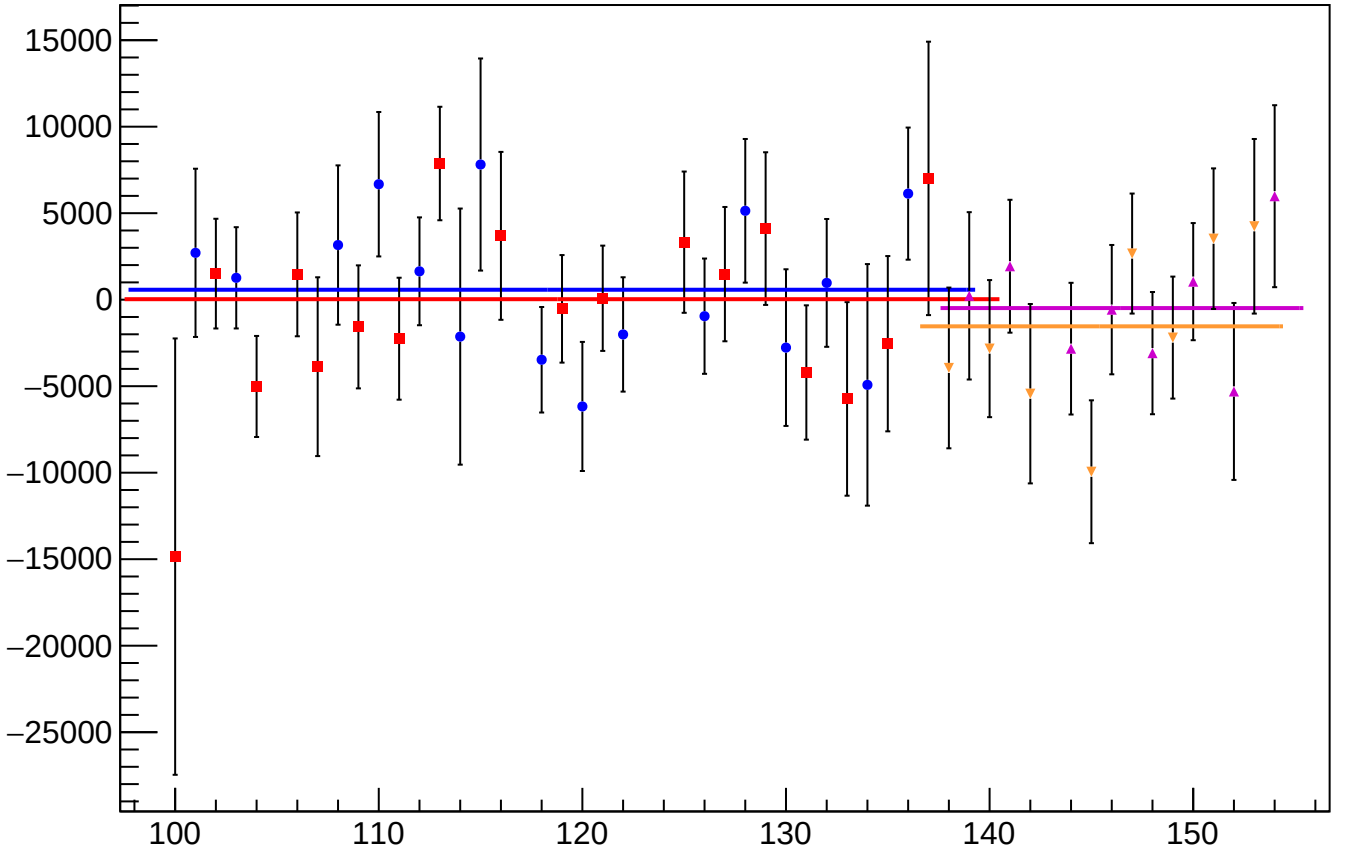
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 980.388+/-0.188 χ^2/NDF:1228809.1/23

Out: 962.203+/-0.189 χ^2/NDF:1114259.5/25

All: 971.374+/-0.133 χ^2/NDF: 2347712.9/49

asym_usl_atl2_dd_cor_correction_mean vs Slug, Sign Corrected



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: -484.861+/-1424.337 χ^2/NDF:3.9/7

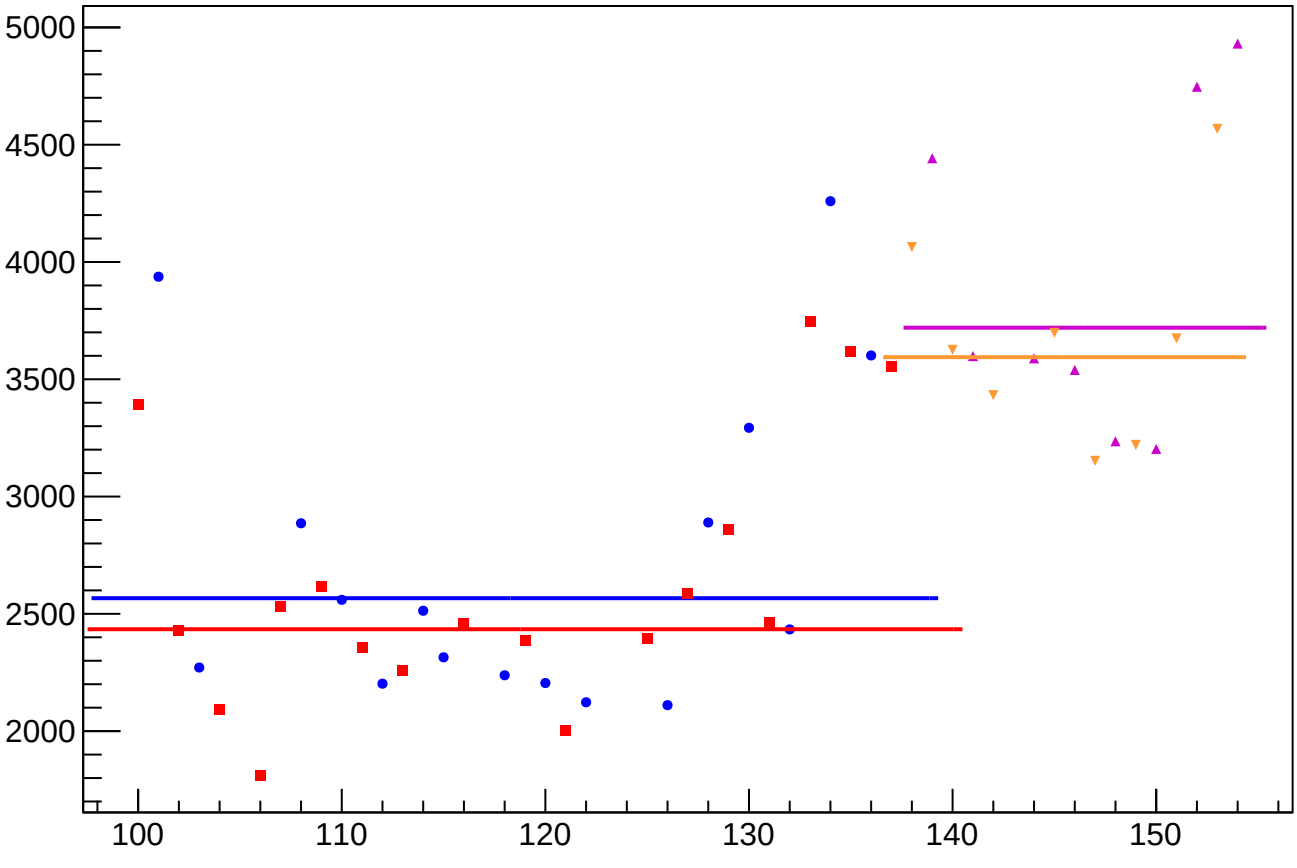
Left: -999.738+/-1019.451 χ^2/NDF: 13.7/15

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 234.513+/-807.277 χ^2/NDF:19.0/23

Out: -418.949+/-779.599 χ^2/NDF:27.5/25

All: -103.612+/-560.789 χ^2/NDF: 46.8/49



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: 3719.838+/-1.007 χ^2/NDF:324526.9/7

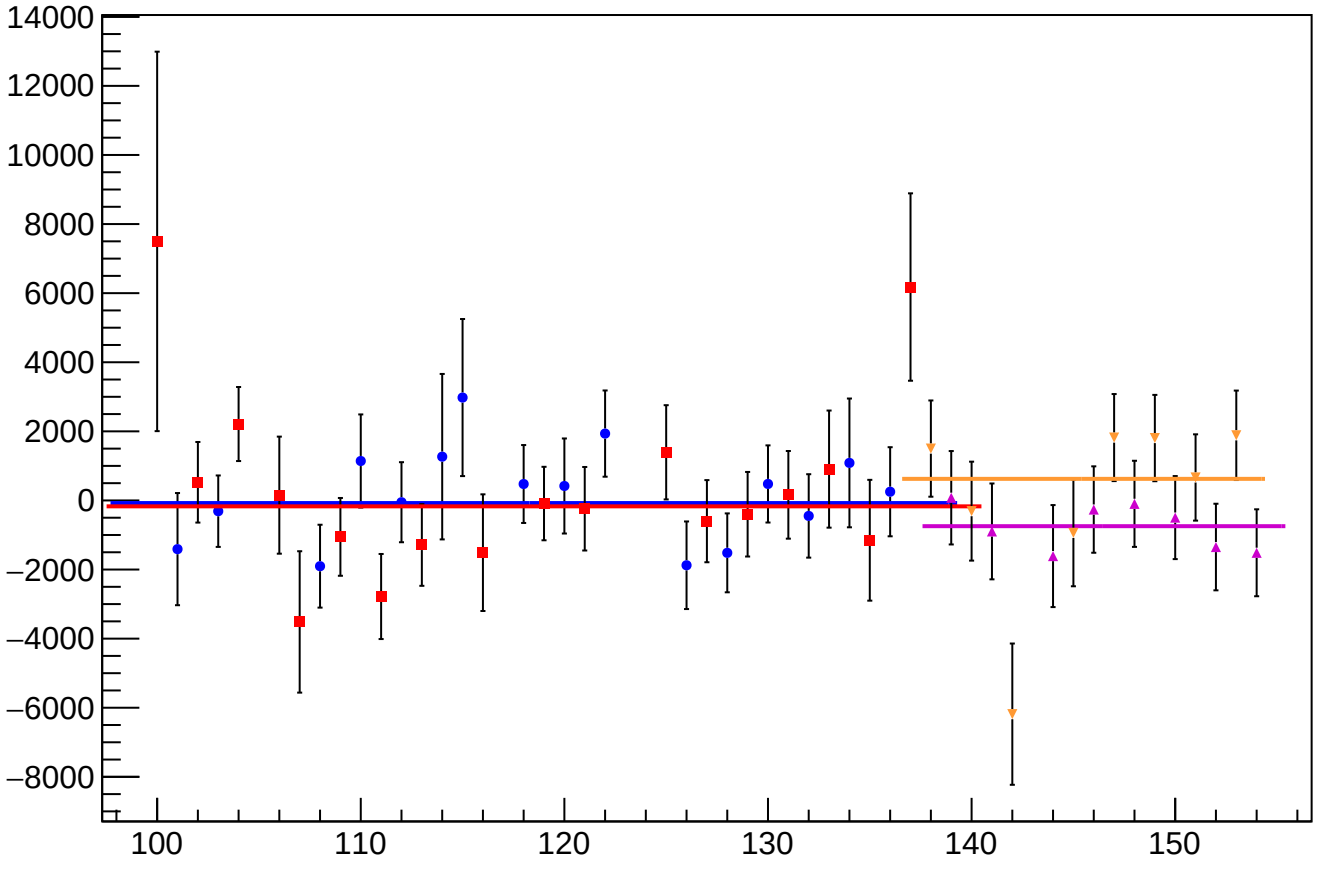
Left: 3658.629+/-0.721 χ^2/NDF: 486022.5/15

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2937.148+/-0.571 χ^2/NDF:1880139.7/23

Out: 2765.260+/-0.551 χ^2/NDF:1490586.1/25

All: 2848.207+/-0.397 χ^2/NDF: 3417643.0/49



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: -744.923+/-457.900 χ^2/NDF:1.8/7

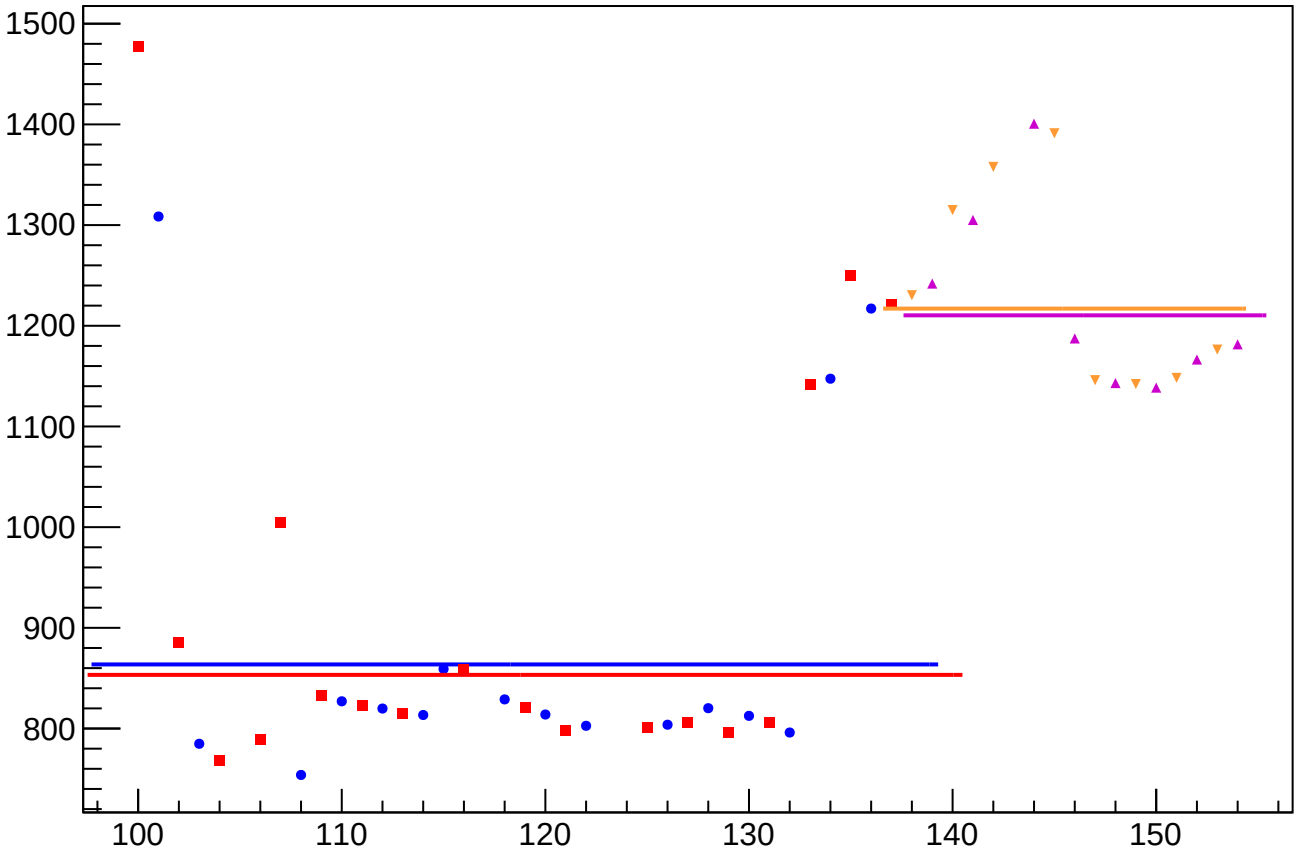
Left: -106.011+/-334.473 χ^2/NDF: 21.7/15

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -301.229+/-265.693 χ^2/NDF:16.6/23

Out: 69.038+/-268.955 χ^2/NDF:41.9/25

All: -118.355+/-189.016 χ^2/NDF: 59.4/49



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: 1210.360+/-0.324 χ^2/NDF:60782.7/7

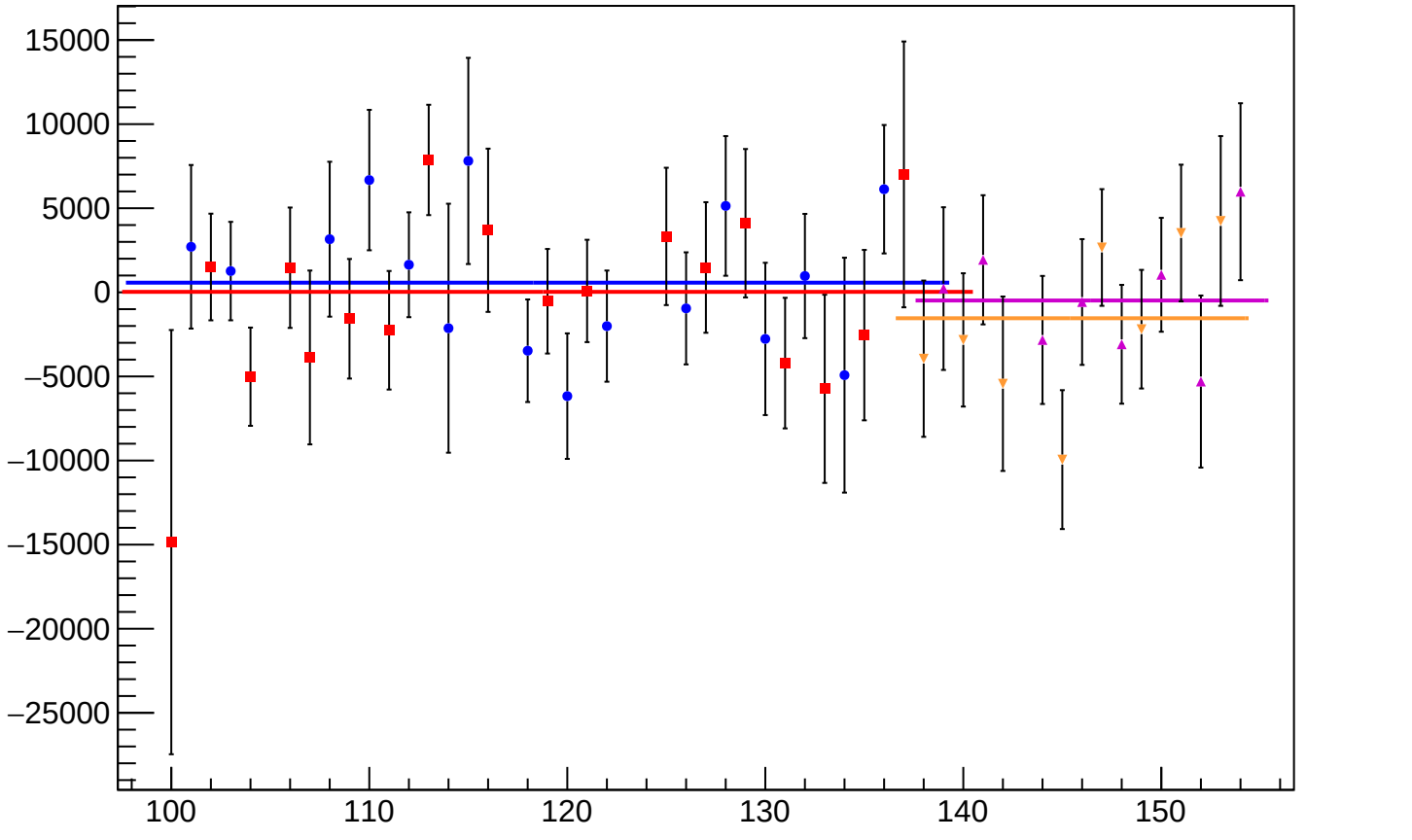
Left: 1213.471+/-0.237 χ^2/NDF: 126947.9/15

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 980.388+/-0.188 χ^2/NDF:1228809.1/23

Out: 962.203+/-0.189 χ^2/NDF:1114259.5/25

All: 971.374+/-0.133 χ^2/NDF: 2347712.9/49



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: -484.861+/-1424.337 χ^2/NDF:3.9/7

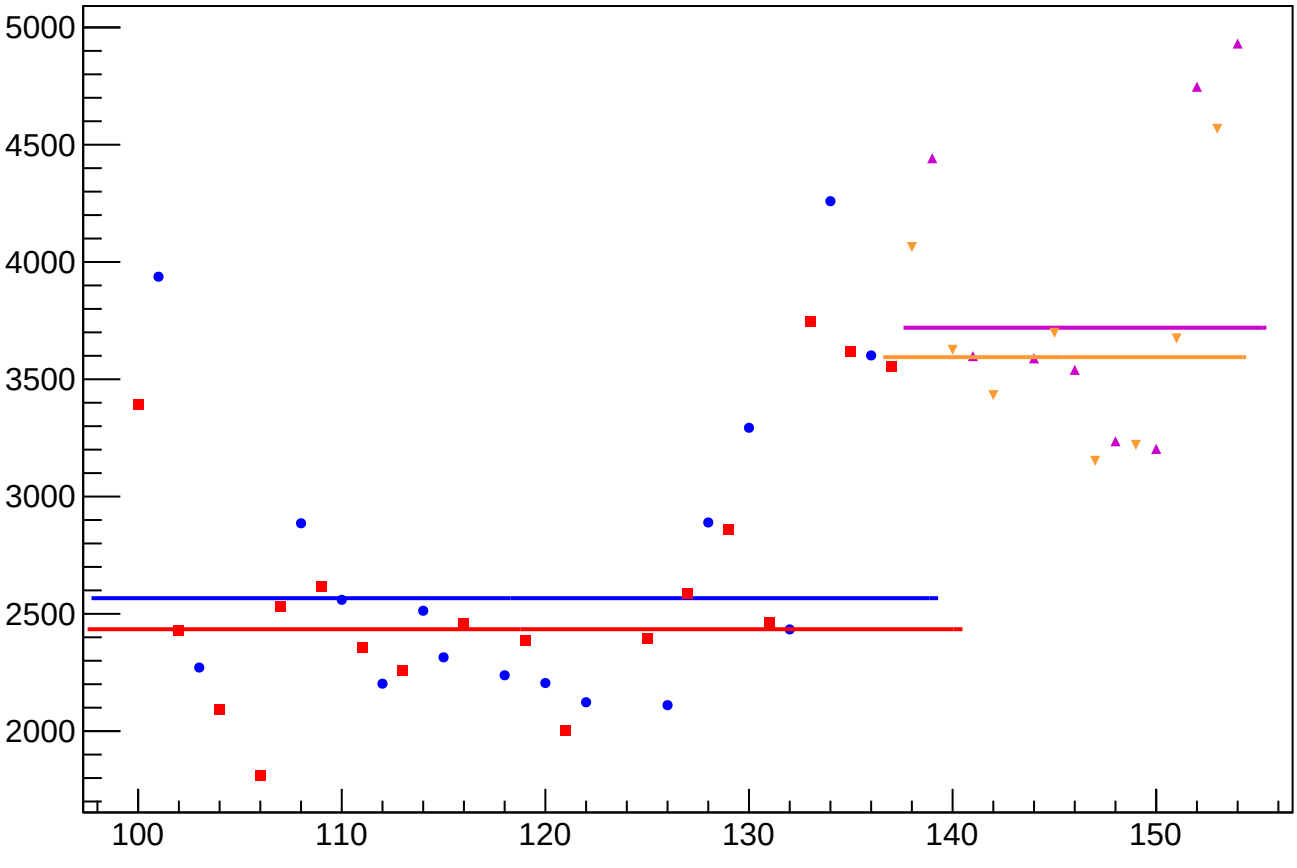
Left: -999.738+/-1019.451 χ^2/NDF: 13.7/15

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 234.513+/-807.277 χ^2/NDF:19.0/23

Out: -418.949+/-779.599 χ^2/NDF:27.5/25

All: -103.612+/-560.789 χ^2/NDF: 46.8/49



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: 3719.838+/-1.007 χ^2/NDF:324526.9/7

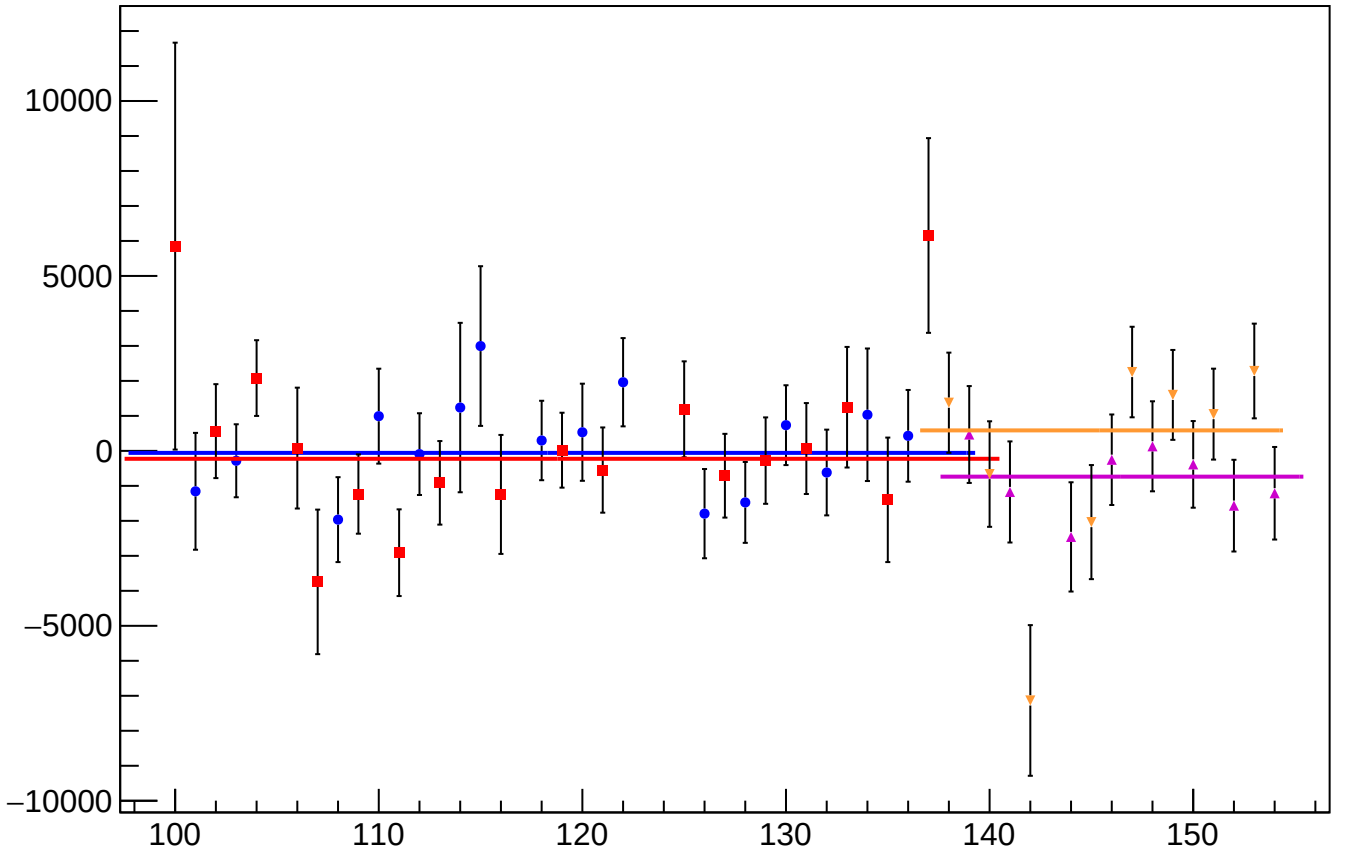
Left: 3658.629+/-0.721 χ^2/NDF: 486022.5/15

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2937.148+/-0.571 χ^2/NDF:1880139.7/23

Out: 2765.260+/-0.551 χ^2/NDF:1490586.1/25

All: 2848.207+/-0.397 χ^2/NDF: 3417643.0/49



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: -736.524+/-475.744 χ^2/NDF:3.3/7

Left: -119.987+/-347.538 χ^2/NDF: 27.3/15

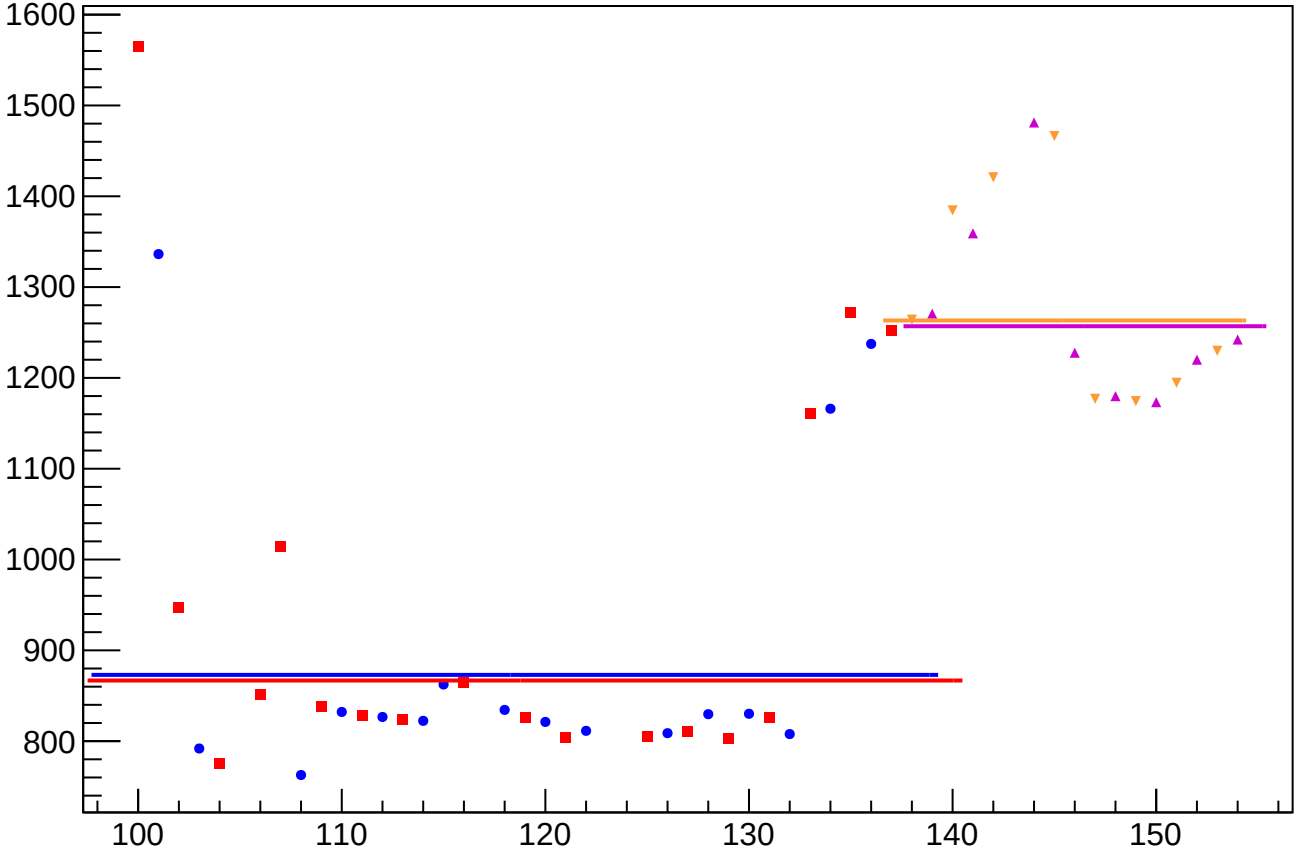
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -277.963+/-271.202 χ^2/NDF:17.6/23

Out: 12.185+/-275.741 χ^2/NDF:45.1/25

All: -135.296+/-193.353 χ^2/NDF: 63.3/49

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



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: 1256.902+/-0.336 χ^2/NDF:70641.3/7

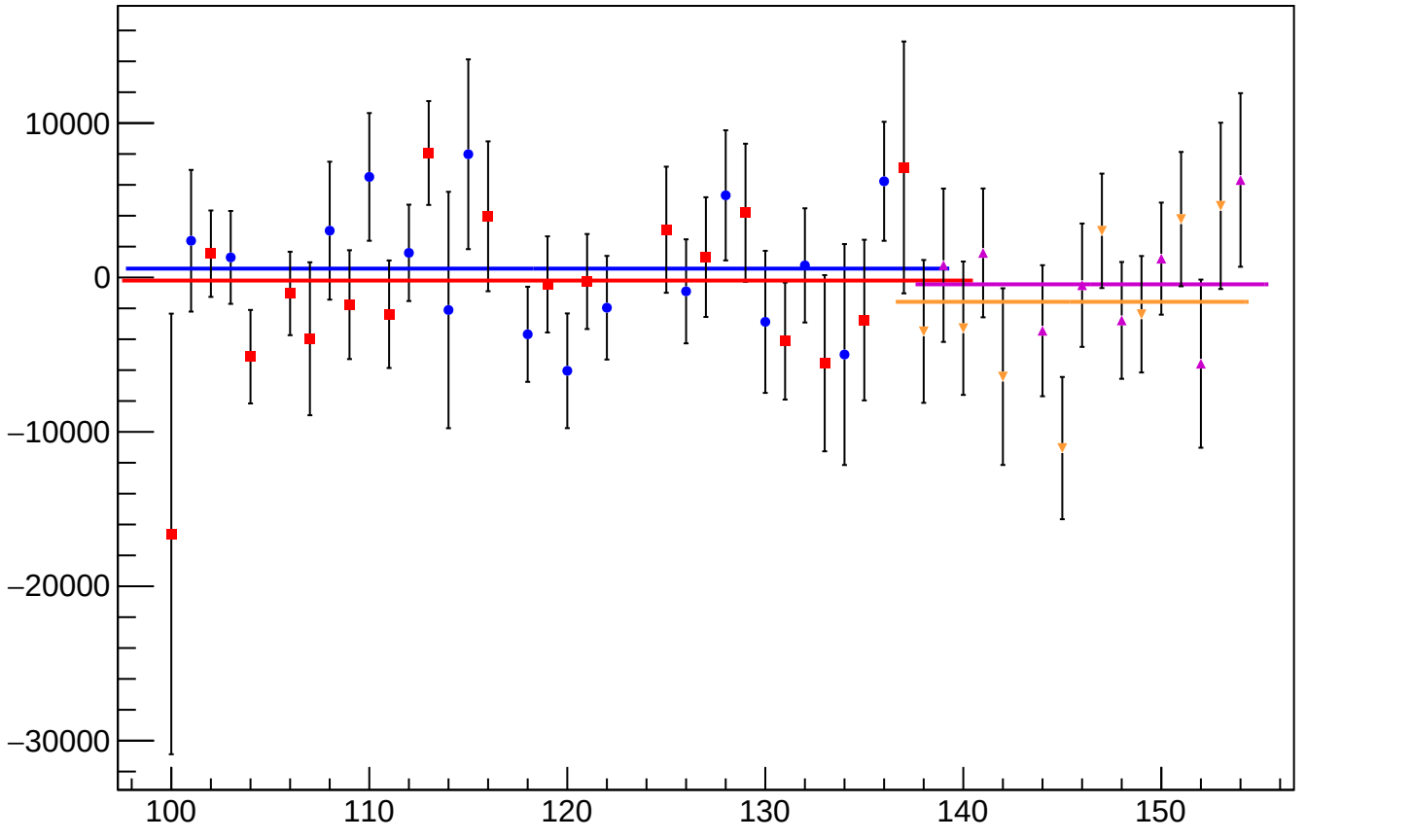
Left: 1259.854+/-0.246 χ^2/NDF: 150725.9/15

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 997.736+/-0.192 χ^2/NDF:1366993.5/23

Out: 982.996+/-0.195 χ^2/NDF:1228241.7/25

All: 990.483+/-0.137 χ^2/NDF: 2598142.2/49



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: -442.422+/-1529.769 χ^2/NDF:3.7/7

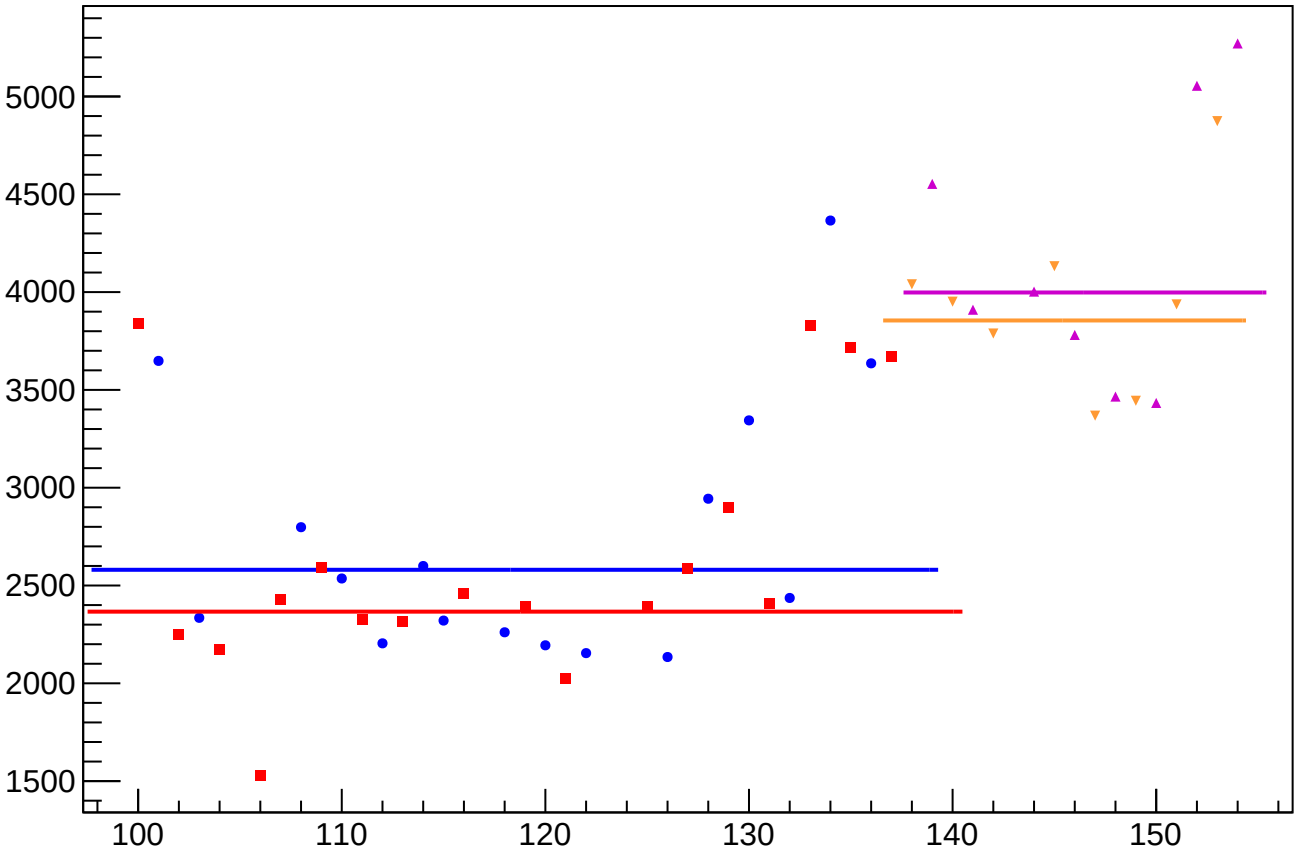
Left: -996.546+/-1093.886 χ^2/NDF: 13.7/15

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 277.051+/-828.106 χ^2/NDF:18.7/23

Out: -537.219+/-776.326 χ^2/NDF:27.5/25

All: -156.336+/-566.366 χ^2/NDF: 46.7/49



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: 3997.999+/-1.082 χ^2/NDF:297647.1/7

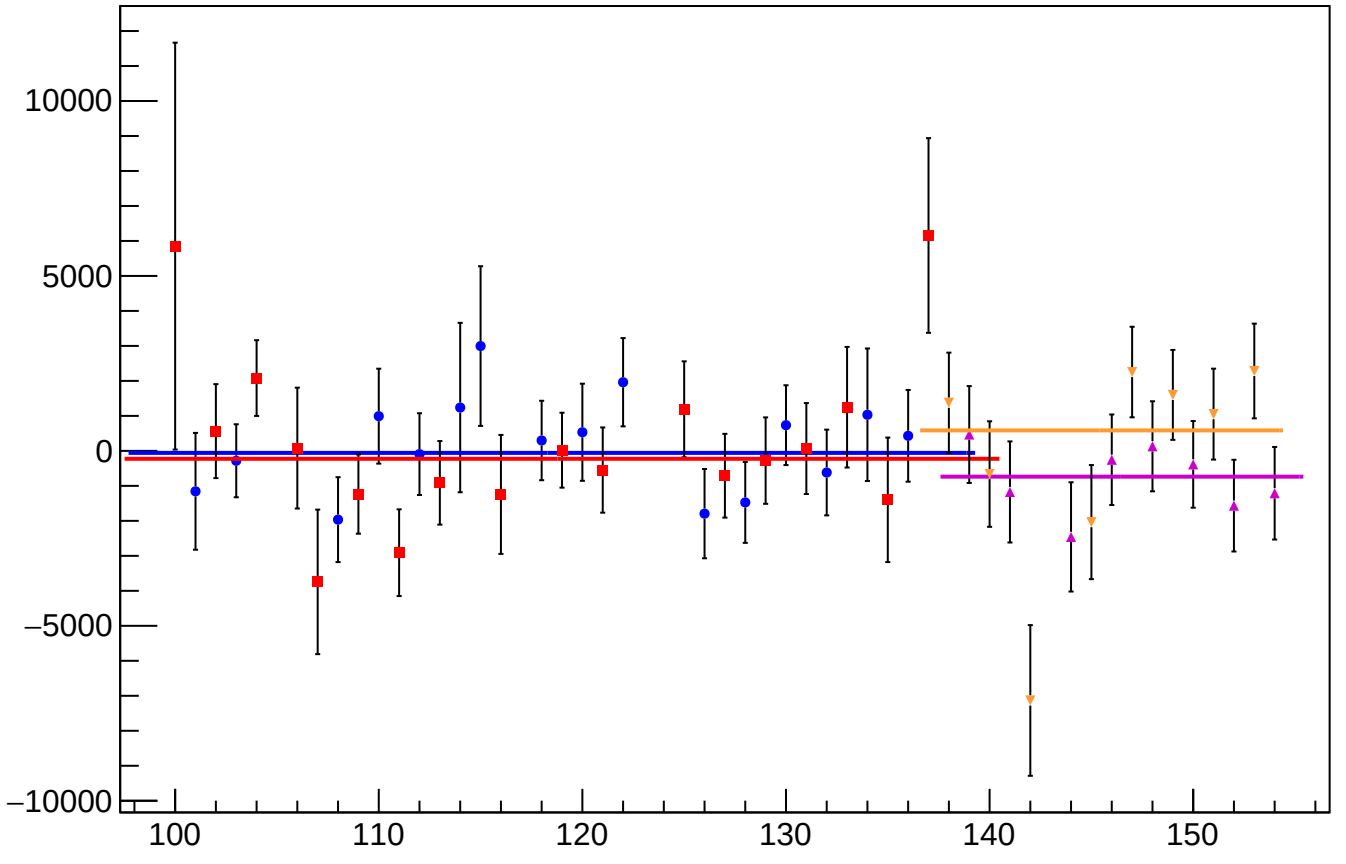
Left: 3928.110+/-0.773 χ^2/NDF: 448392.7/15

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2995.790+/-0.586 χ^2/NDF:2129022.2/23

Out: 2732.798+/-0.549 χ^2/NDF:2118308.9/25

All: 2855.815+/-0.400 χ^2/NDF: 4354693.3/49



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: -736.523+/-475.744 χ^2/NDF:3.3/7

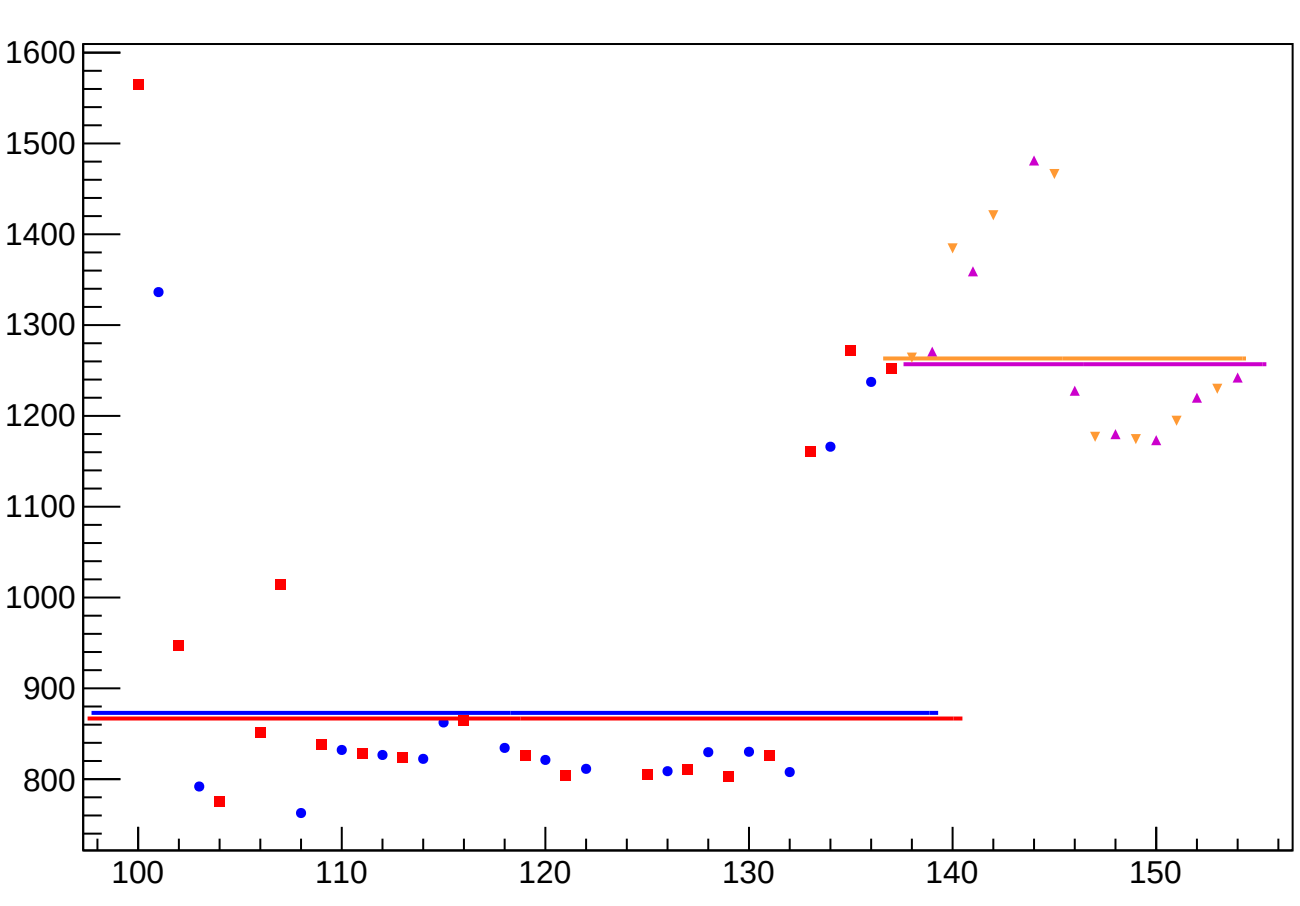
Left: -119.989+/-347.539 χ^2/NDF: 27.3/15

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -277.964+/-271.202 χ^2/NDF:17.6/23

Out: 12.181+/-275.741 χ^2/NDF:45.1/25

All: -135.299+/-193.353 χ^2/NDF: 63.3/49



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: 1256.903+/-0.336 χ^2/NDF:70642.0/7

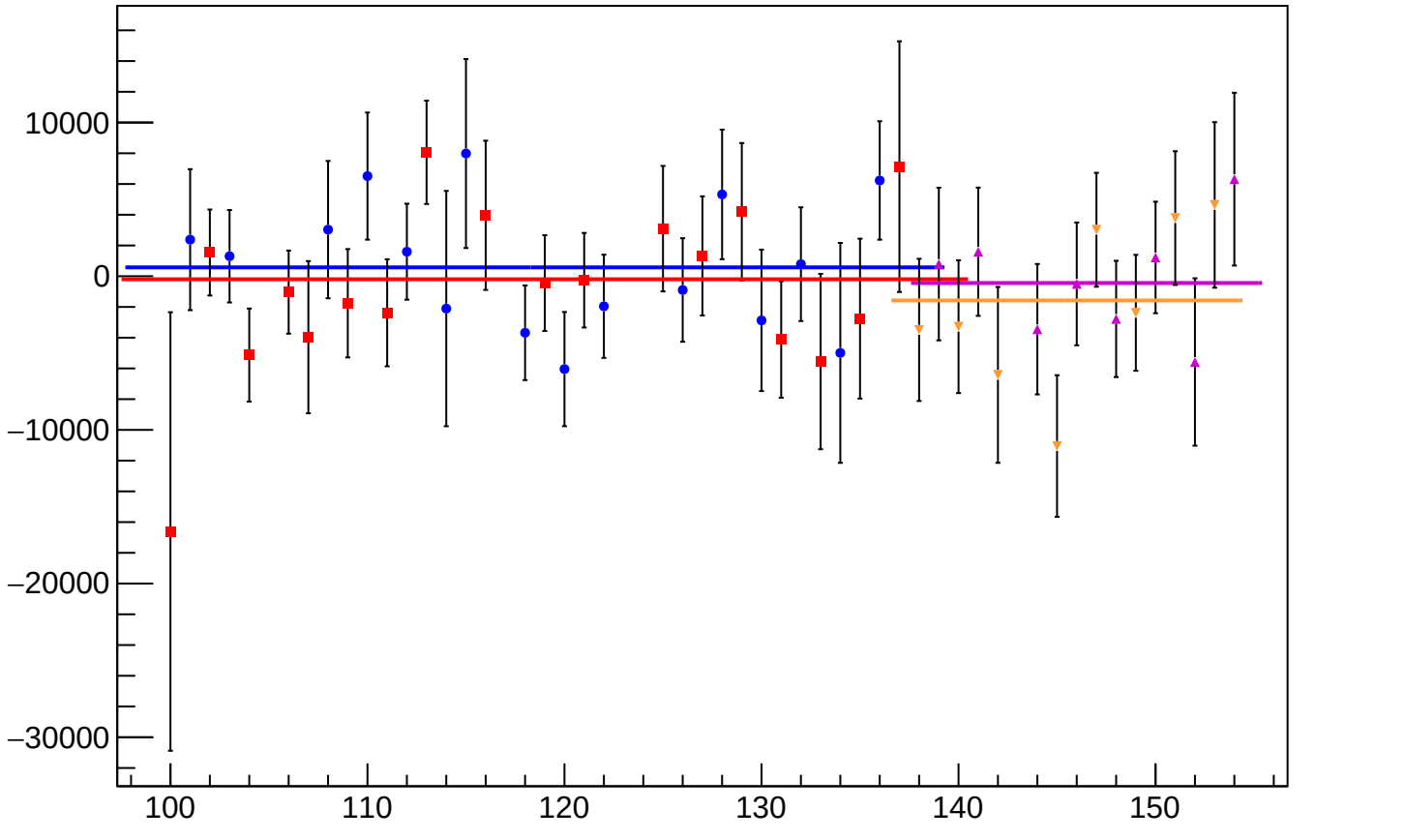
Left: 1259.855+/-0.246 χ^2/NDF: 150728.0/15

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 997.736+/-0.192 χ^2/NDF:1366997.8/23

Out: 982.996+/-0.195 χ^2/NDF:1228246.0/25

All: 990.483+/-0.137 χ^2/NDF: 2598150.7/49



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: -442.422+/-1529.771 χ^2/NDF:3.7/7

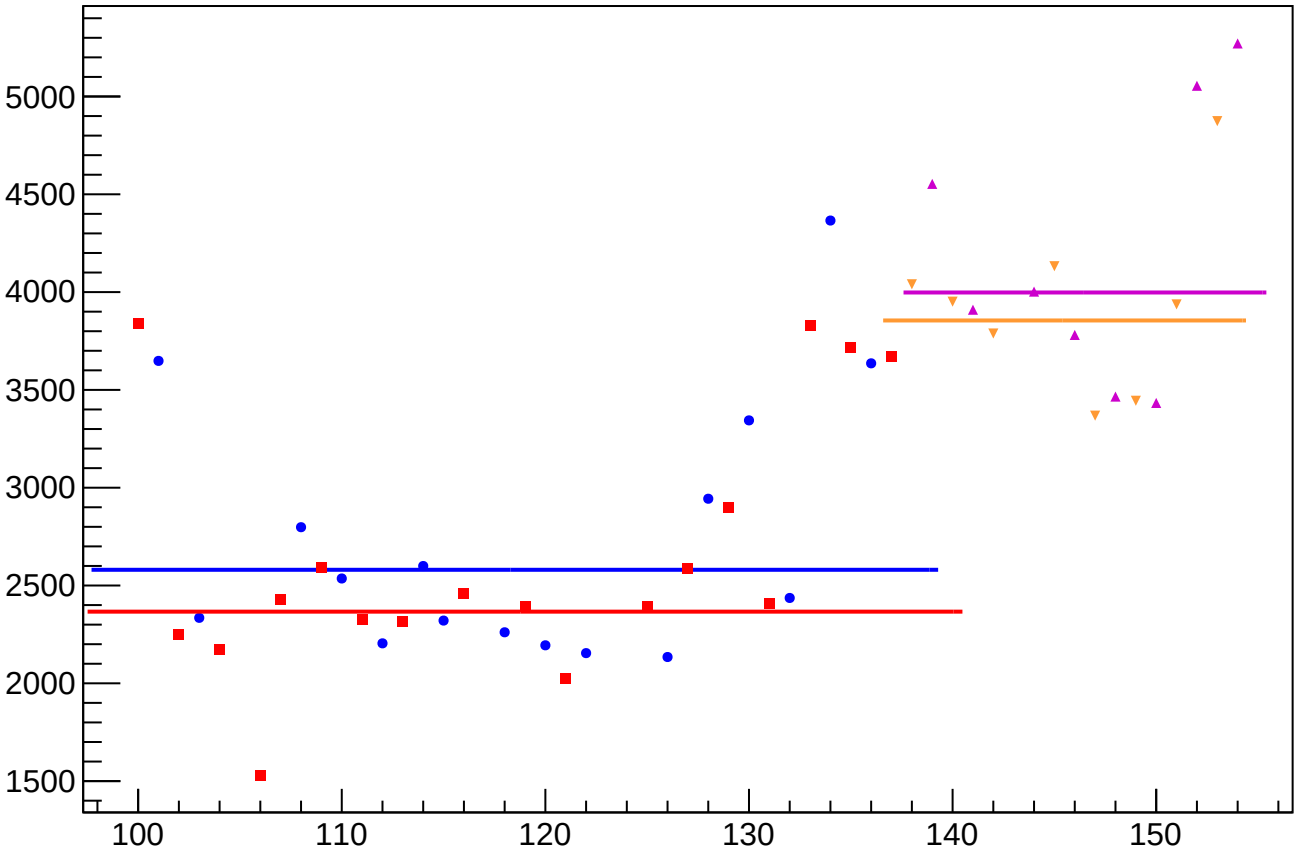
Left: -996.547+/-1093.888 χ^2/NDF: 13.7/15

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 277.050+/-828.104 χ^2/NDF:18.7/23

Out: -537.218+/-776.324 χ^2/NDF:27.5/25

All: -156.336+/-566.365 χ^2/NDF: 46.7/49



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: 3998.004+/-1.082 χ^2/NDF:297650.3/7

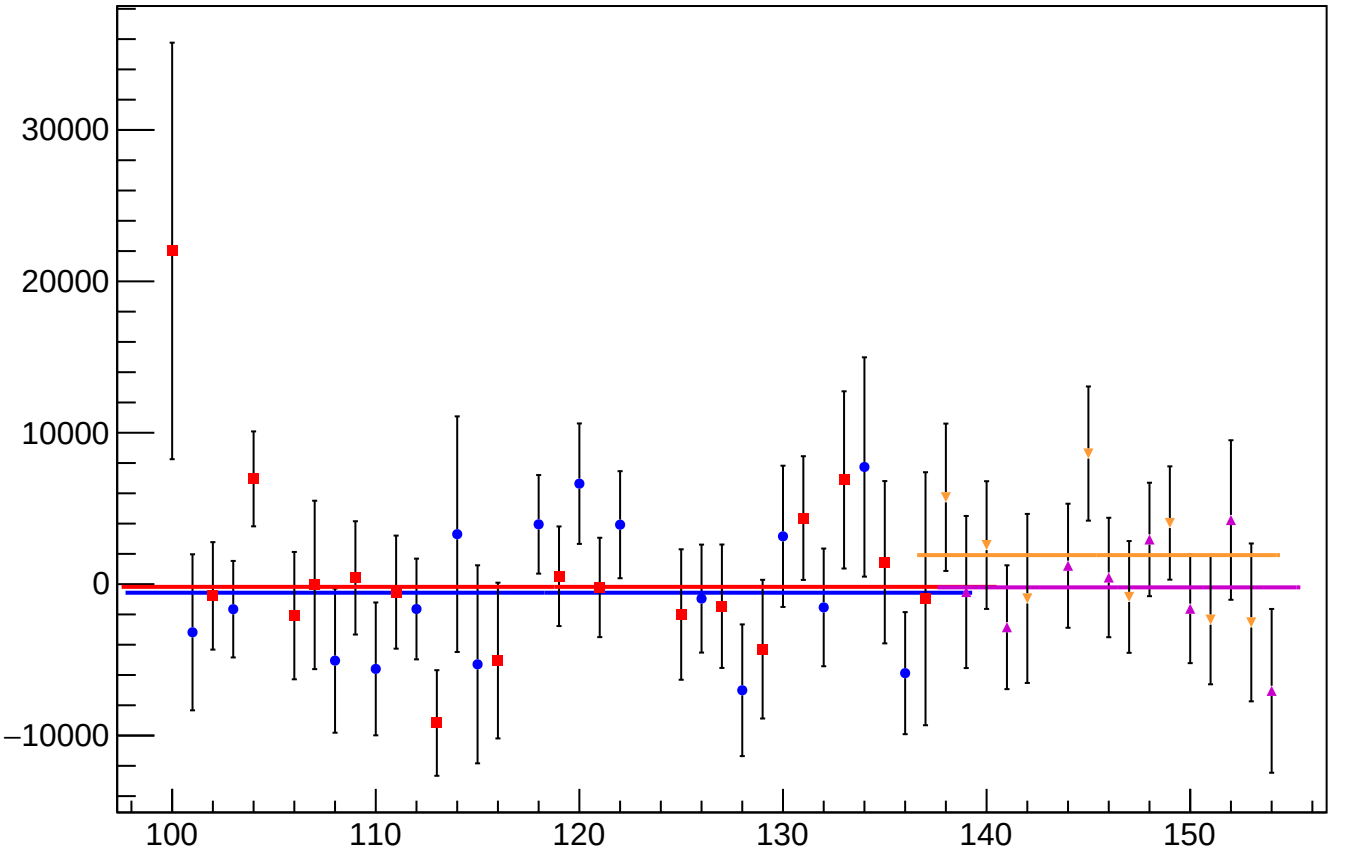
Left: 3928.115+/-0.773 χ^2/NDF: 448398.1/15

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2995.783+/-0.586 χ^2/NDF:2129054.9/23

Out: 2732.791+/-0.549 χ^2/NDF:2118335.6/25

All: 2855.808+/-0.400 χ^2/NDF: 4354752.3/49



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: -211.362+/-1504.068 χ^2/NDF:3.7/7

Left: 823.637+/-1078.437 χ^2/NDF: 10.5/15

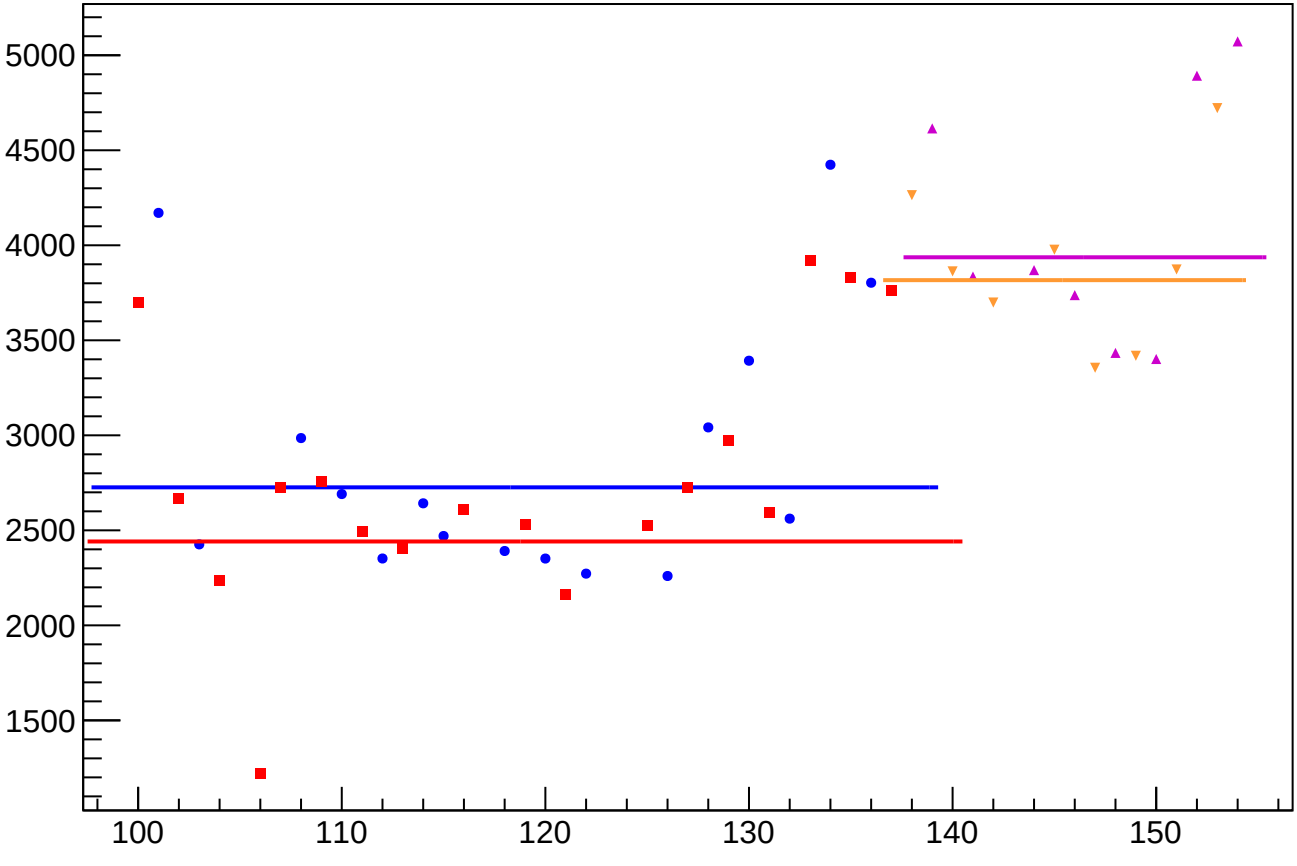
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -451.306+/-855.594 χ^2/NDF:20.0/23

Out: 429.309+/-832.926 χ^2/NDF:26.6/25

All: 0.821+/-596.821 χ^2/NDF: 47.2/49

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: 3936.878+/-1.064 χ^2/NDF:277670.3/7

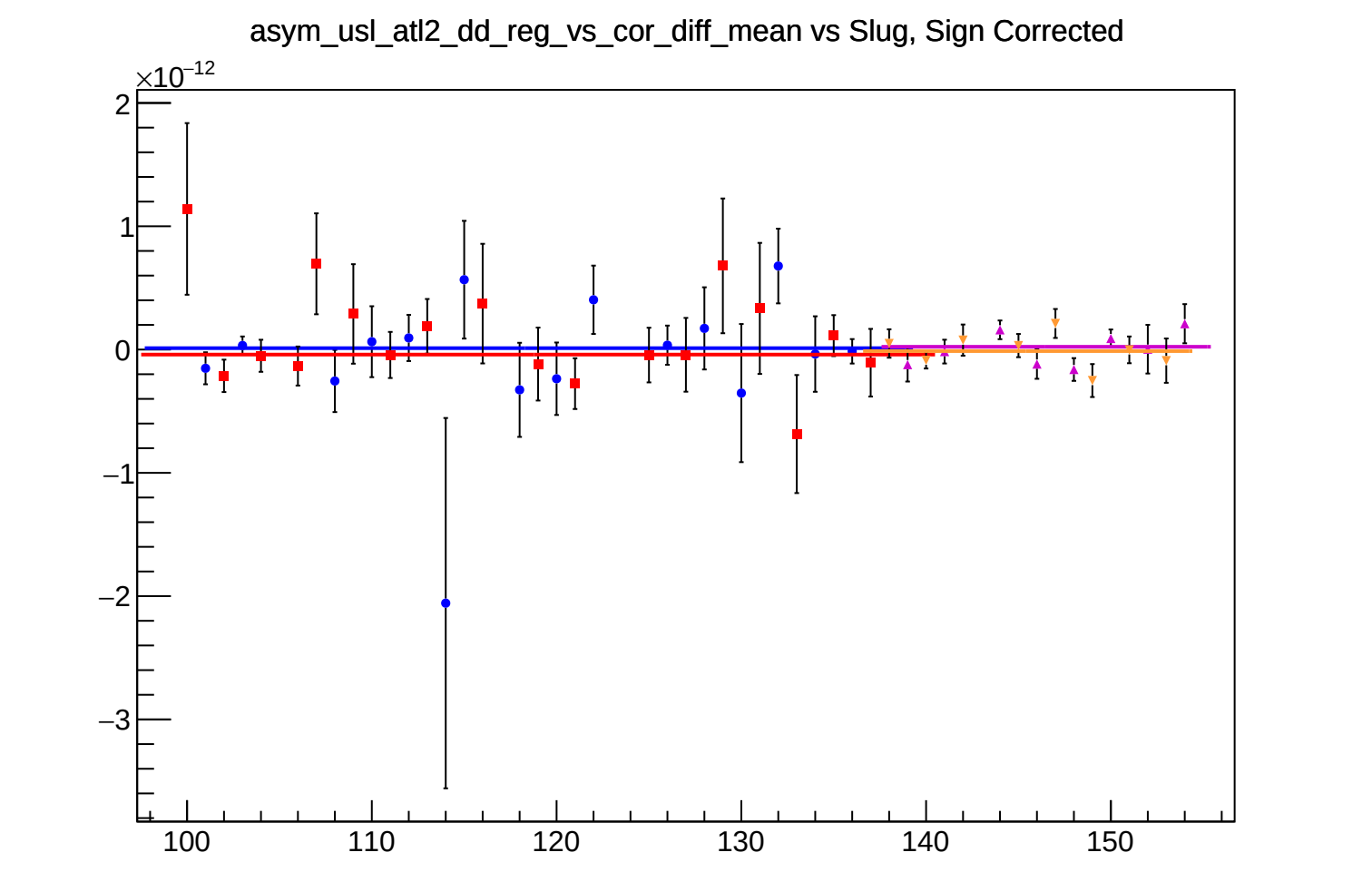
Left: 3878.407+/-0.763 χ^2/NDF: 418968.5/15

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3117.989+/-0.605 χ^2/NDF:1777220.5/23

Out: 2813.981+/-0.569 χ^2/NDF:2178197.3/25

All: 2956.795+/-0.415 χ^2/NDF: 4089301.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:12.2/7

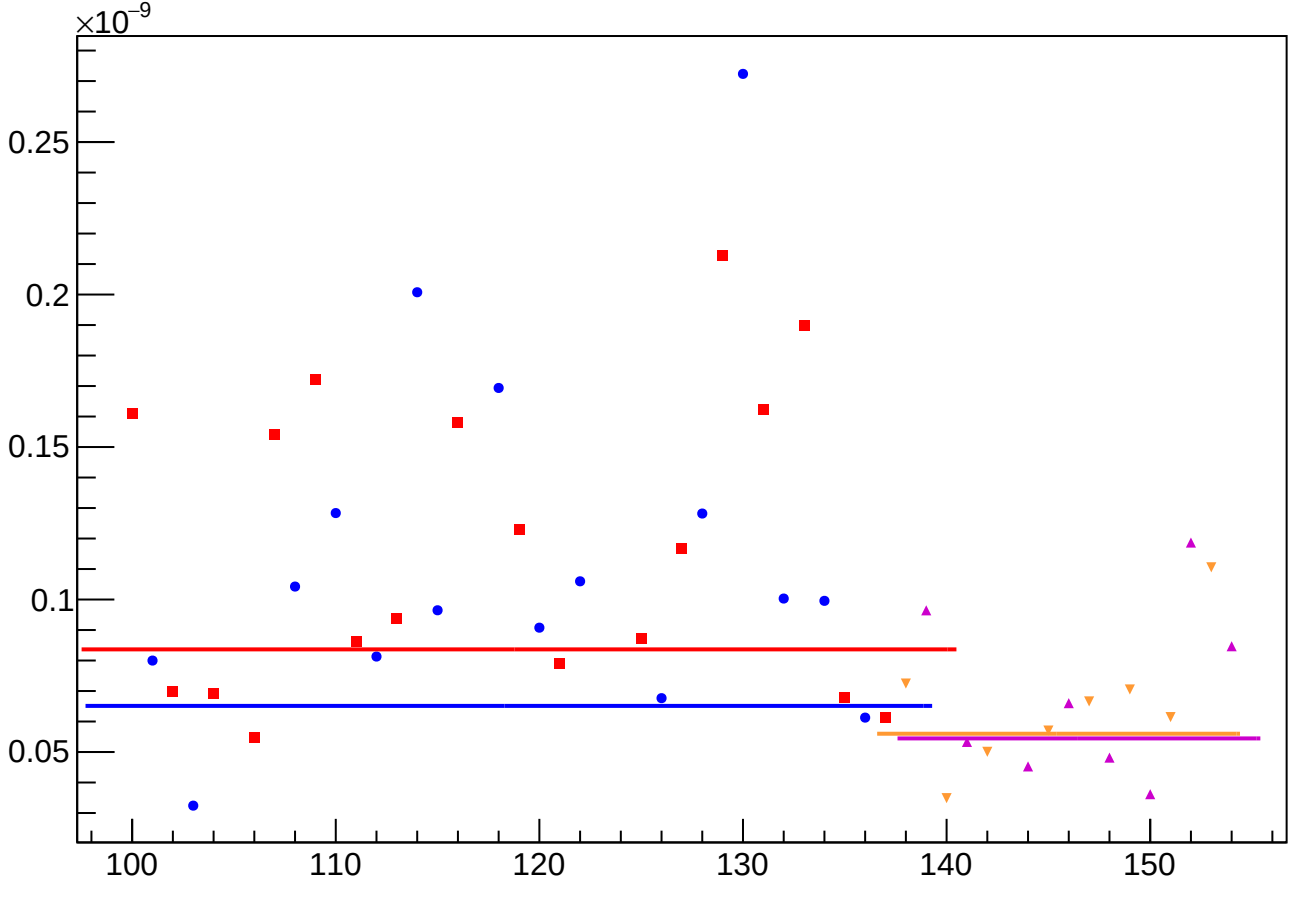
Left: 0.000+/-0.000 χ^2/NDF: 21.9/15

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:27.6/23

Out: -0.000+/-0.000 χ^2/NDF:26.5/25

All: 0.000+/-0.000 χ^2/NDF: 55.0/49



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:653578.7/7

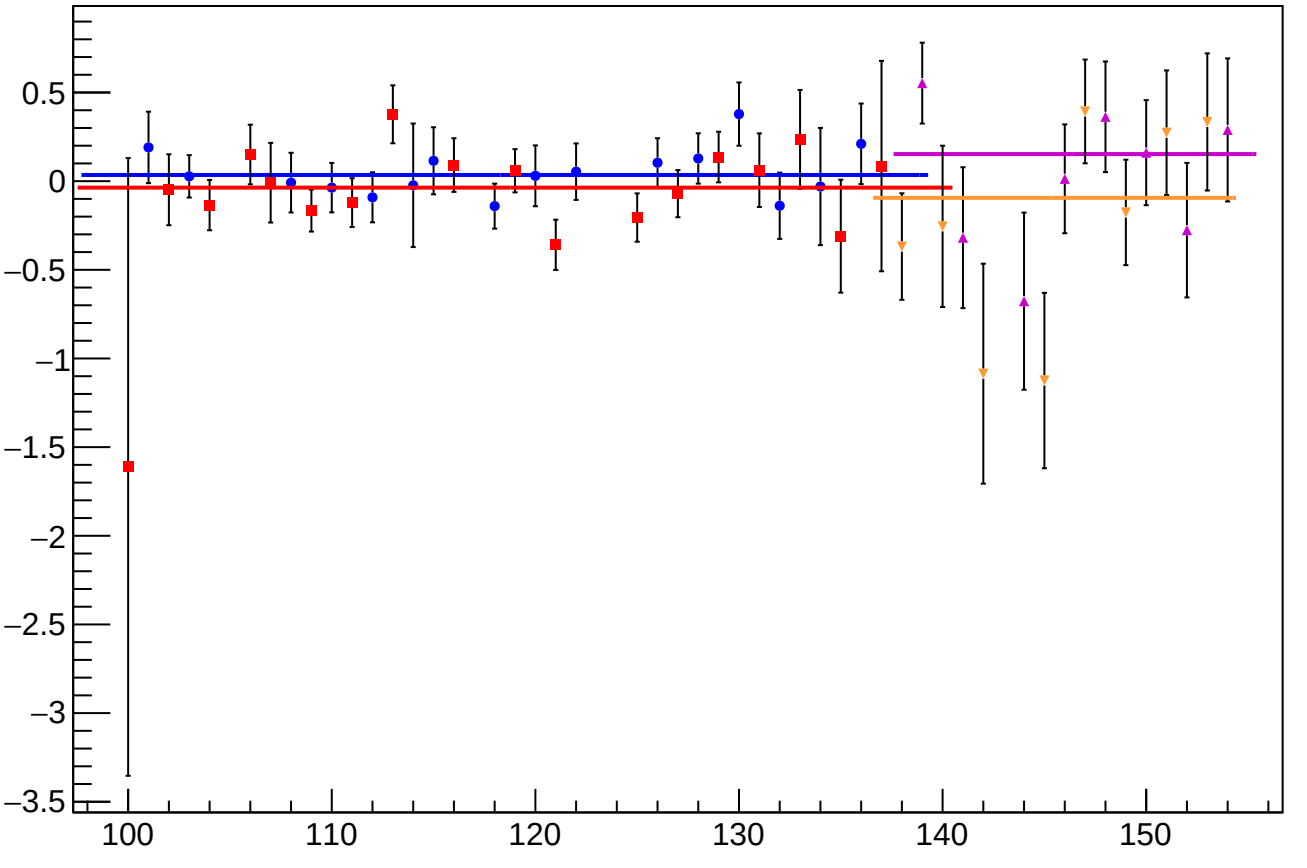
Left: 0.000+/-0.000 χ^2/NDF: 1129433.8/15

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1946555.5/23

Out: 0.000+/-0.000 χ^2/NDF:1526845.1/25

All: 0.000+/-0.000 χ^2/NDF: 3520727.7/49



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: 0.153+/-0.116 χ^2/NDF:9.3/7

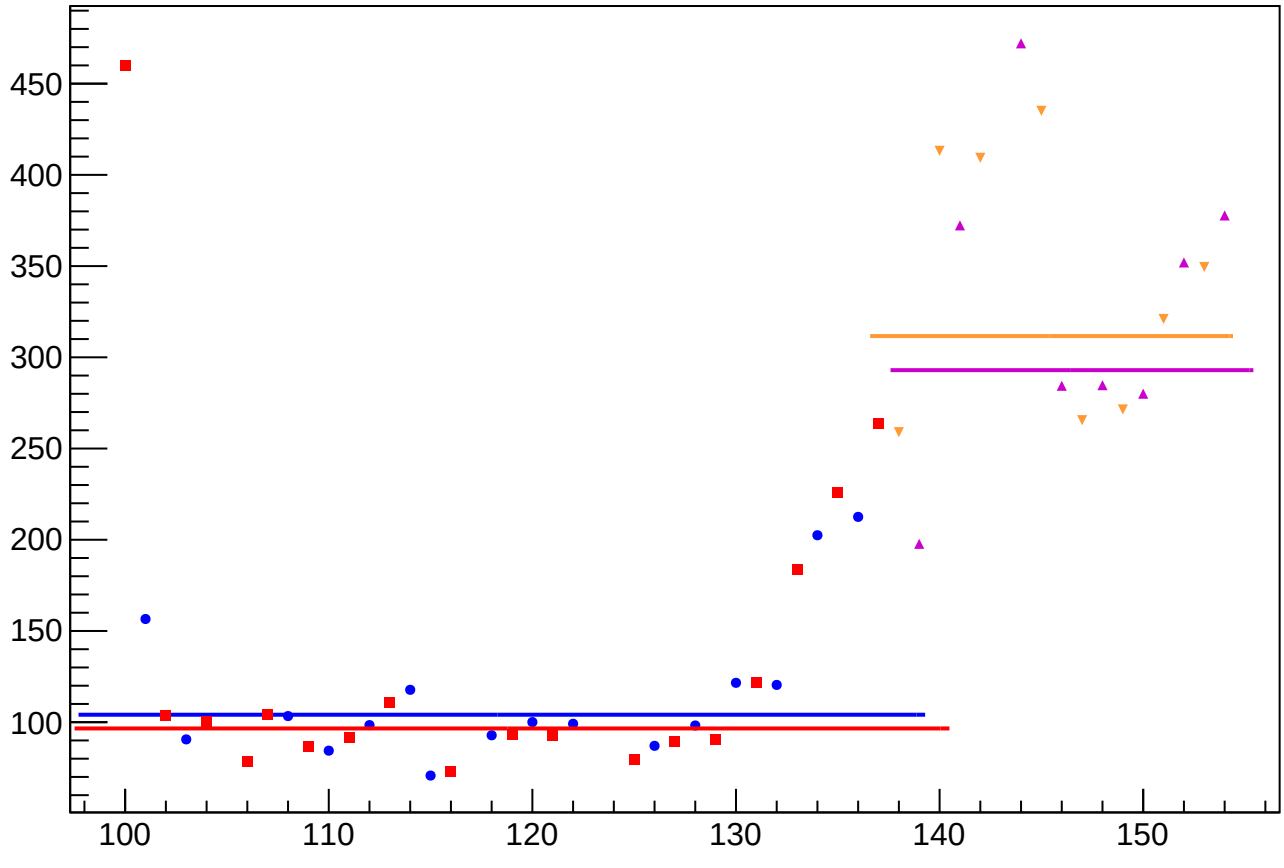
Left: 0.043+/-0.086 χ^2/NDF: 24.4/15

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.048+/-0.039 χ^2/NDF:20.0/23

Out: -0.041+/-0.037 χ^2/NDF:35.3/25

All: 0.002+/-0.027 χ^2/NDF: 58.0/49



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: 292.959+/-0.082 χ^2/NDF:828633.1/7

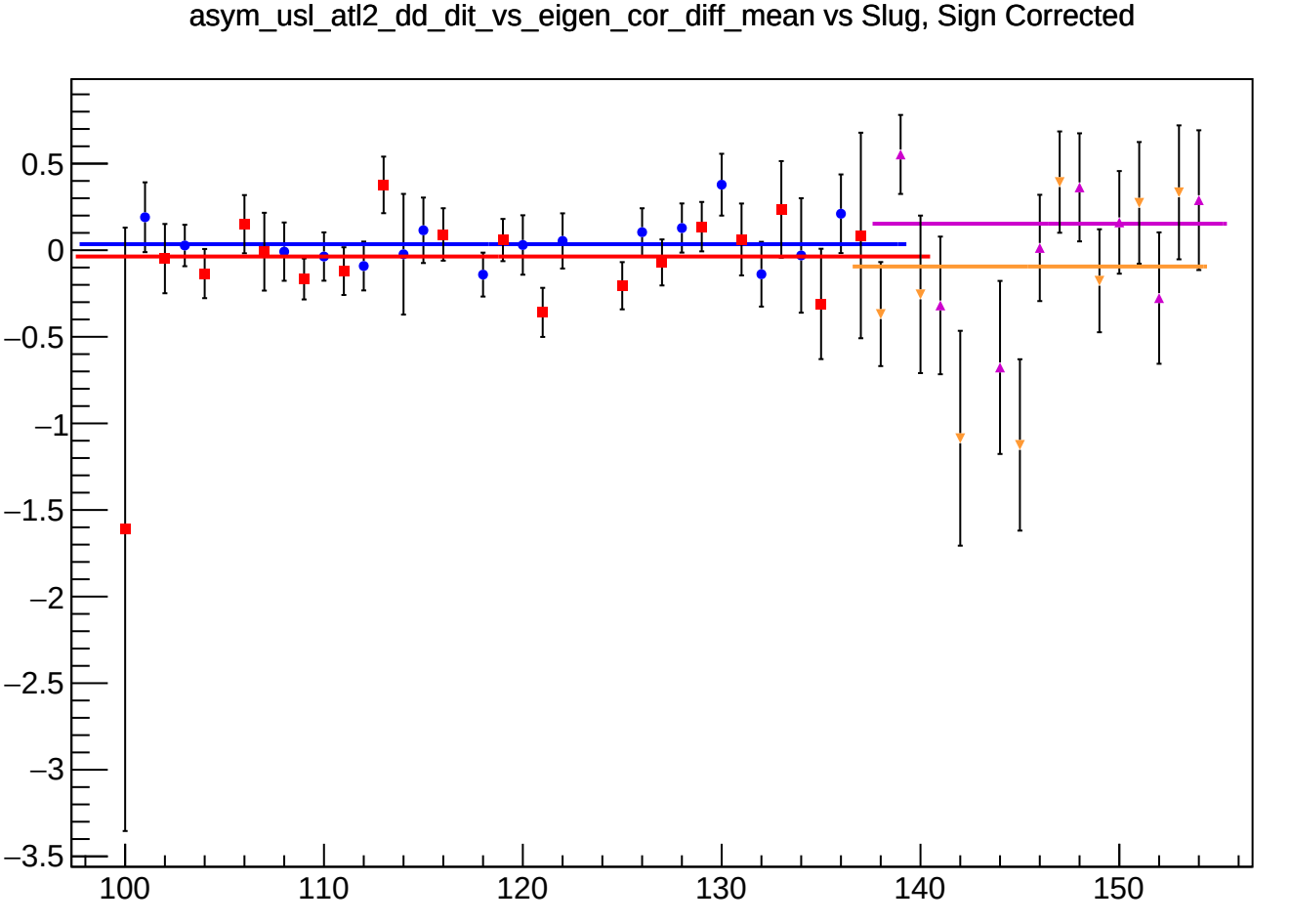
Left: 301.300+/-0.061 χ^2/NDF: 1294358.9/15

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 125.254+/-0.027 χ^2/NDF:6564941.4/23

Out: 114.580+/-0.026 χ^2/NDF:6517952.1/25

All: 119.716+/-0.019 χ^2/NDF: 13161975.5/49



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: 0.153+/-0.116 χ^2/NDF:9.3/7

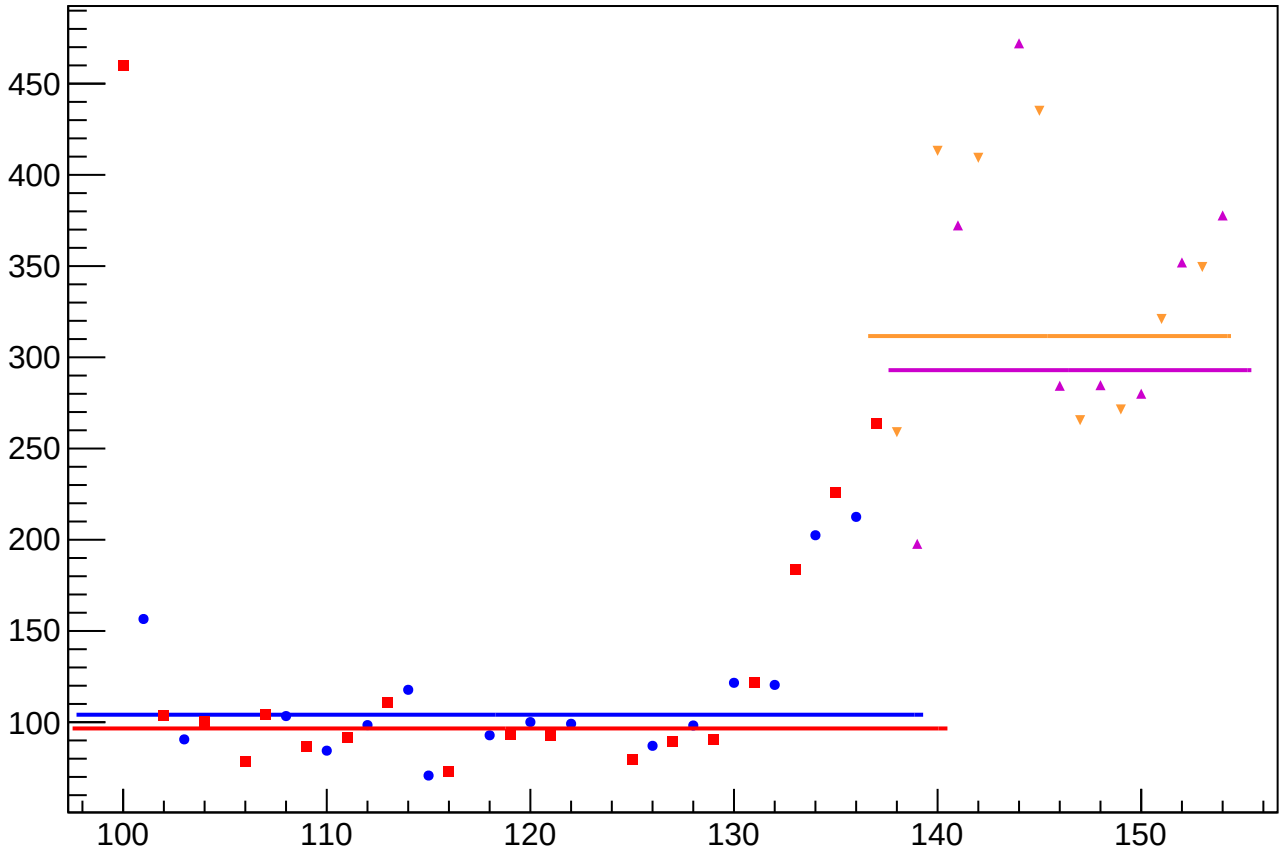
Left: 0.043+/-0.086 χ^2/NDF: 24.4/15

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.048+/-0.039 χ^2/NDF:20.0/23

Out: -0.041+/-0.037 χ^2/NDF:35.3/25

All: 0.002+/-0.027 χ^2/NDF: 58.0/49



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: 292.959+/-0.082 χ^2/NDF:828633.1/7

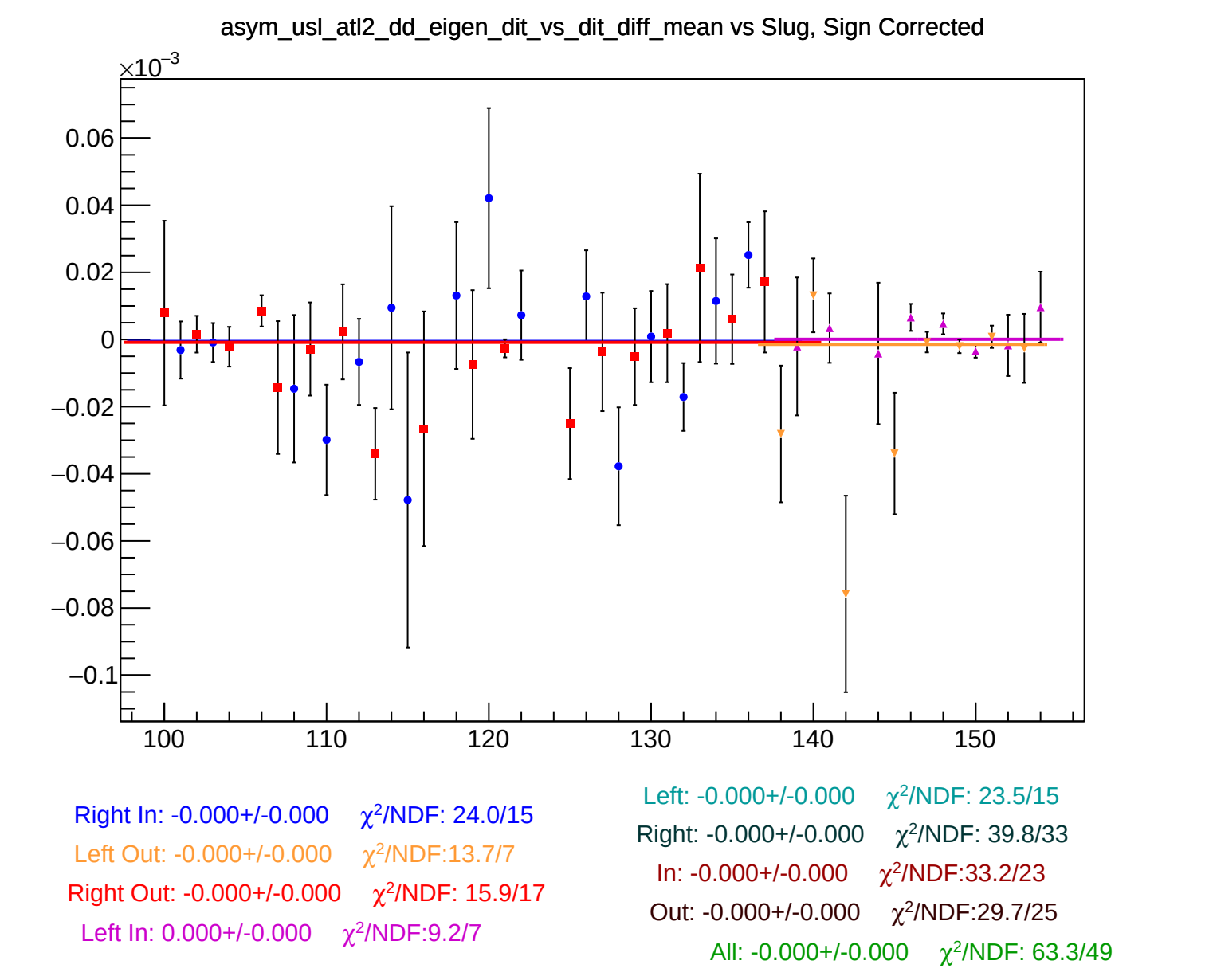
Left: 301.300+/-0.061 χ^2/NDF: 1294358.9/15

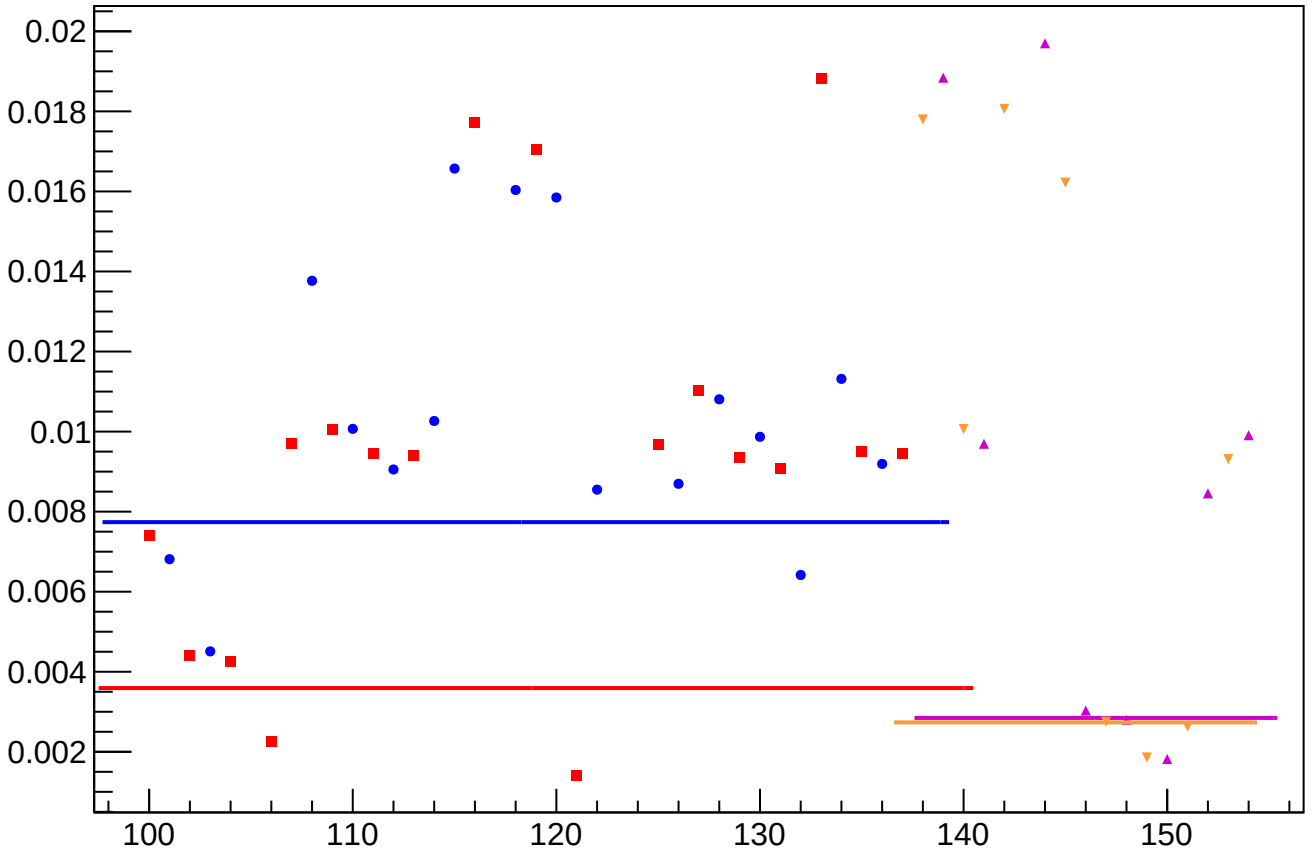
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 125.254+/-0.027 χ^2/NDF:6564941.4/23

Out: 114.580+/-0.026 χ^2/NDF:6517952.1/25

All: 119.716+/-0.019 χ^2/NDF: 13161975.5/49


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:13.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:9.2/7
Left: -0.000+/-0.000 χ²/NDF: 23.5/15
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:33.2/23
Out: -0.000+/-0.000 χ²/NDF:29.7/25
All: -0.000+/-0.000 χ²/NDF: 63.3/49



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:5593473.3/7

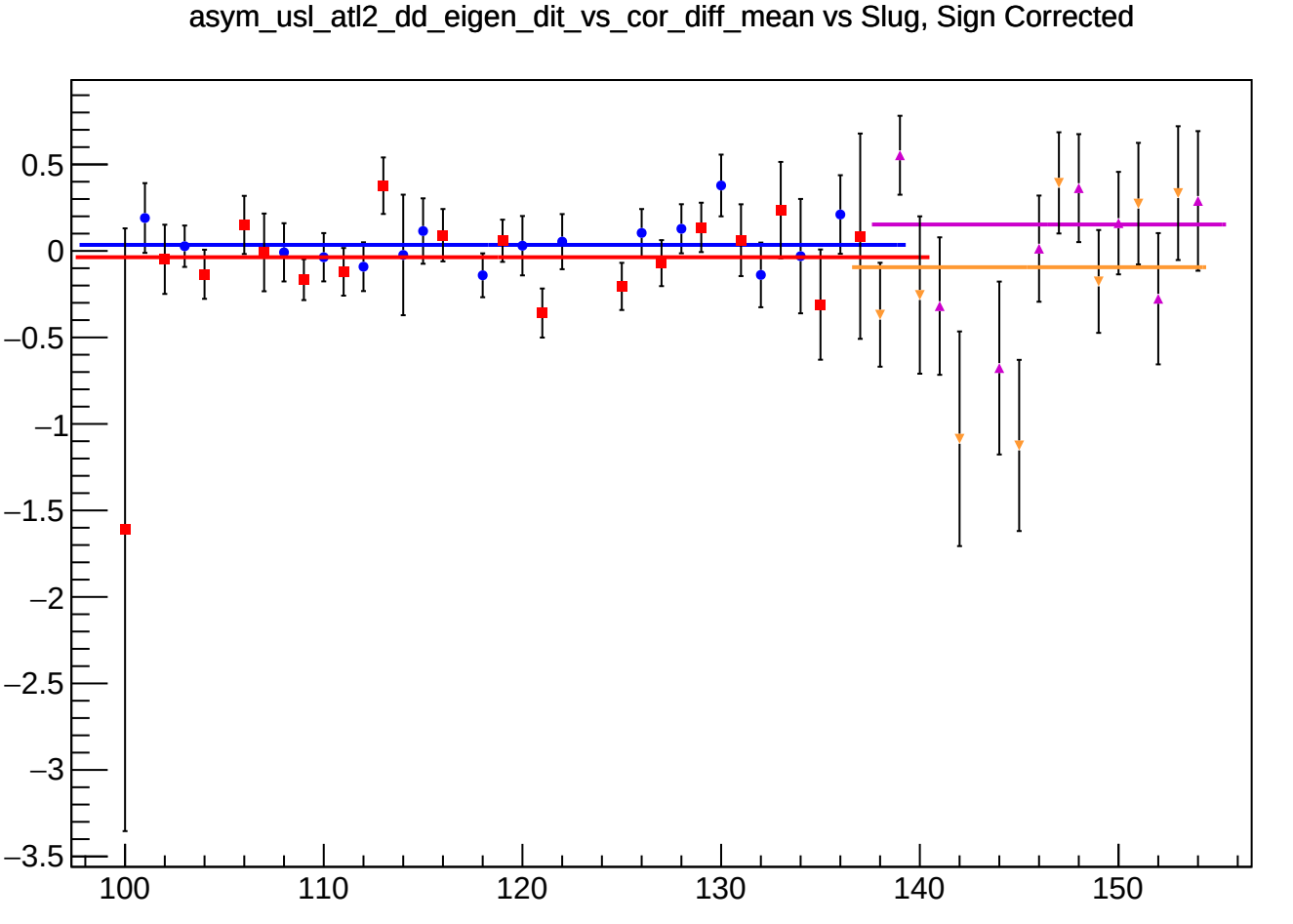
Left: 0.003+/-0.000 χ^2/NDF: 10431198.1/15

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:11348561.8/23

Out: 0.003+/-0.000 χ^2/NDF:11462182.8/25

All: 0.003+/-0.000 χ^2/NDF: 23094220.8/49



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: 0.153+/-0.116 χ^2/NDF:9.3/7

Left: 0.043+/-0.086 χ^2/NDF: 24.4/15

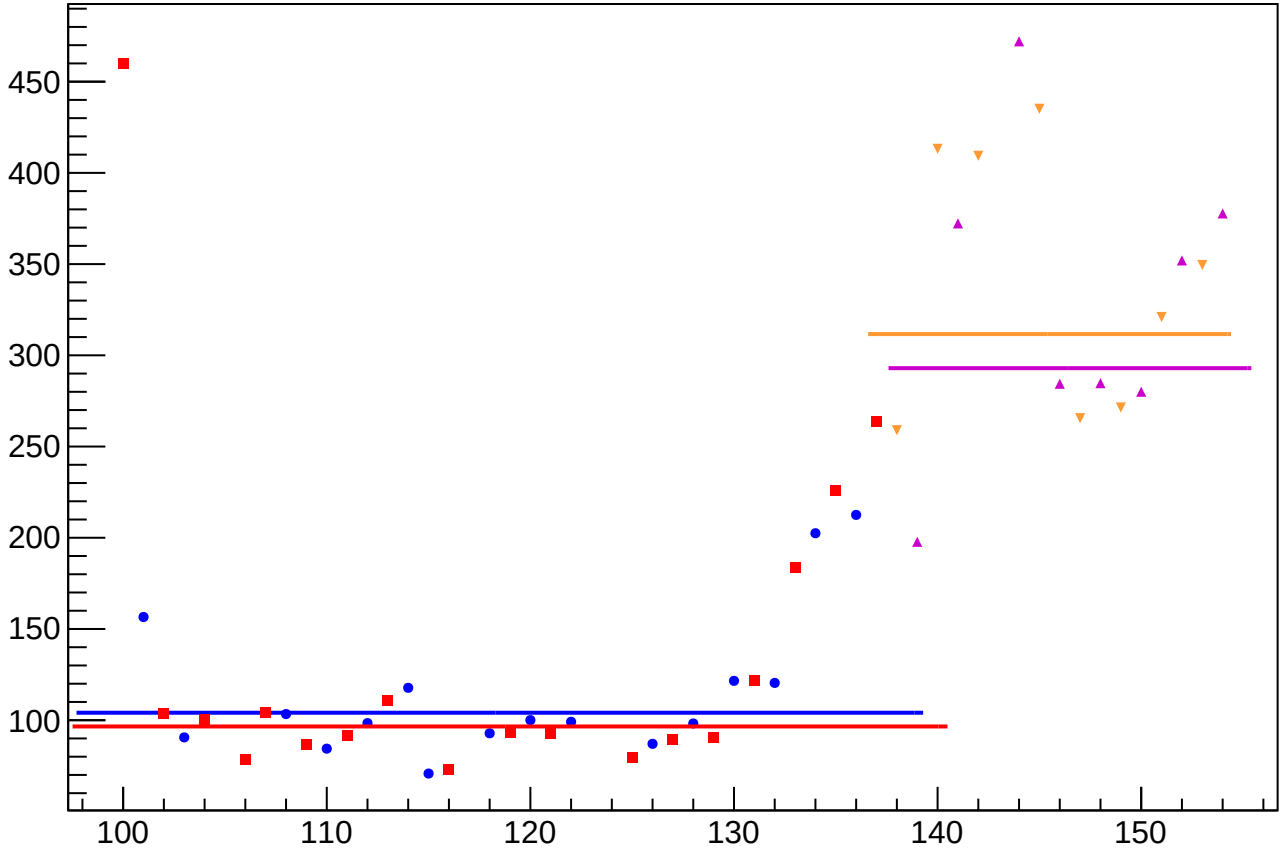
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.048+/-0.039 χ^2/NDF:20.0/23

Out: -0.041+/-0.037 χ^2/NDF:35.3/25

All: 0.002+/-0.027 χ^2/NDF: 58.0/49

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 311.648+/-0.091 χ^2/NDF:442404.4/7

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 292.963+/-0.082 χ^2/NDF:828616.3/7

Left: 301.303+/-0.061 χ^2/NDF: 1294371.1/15

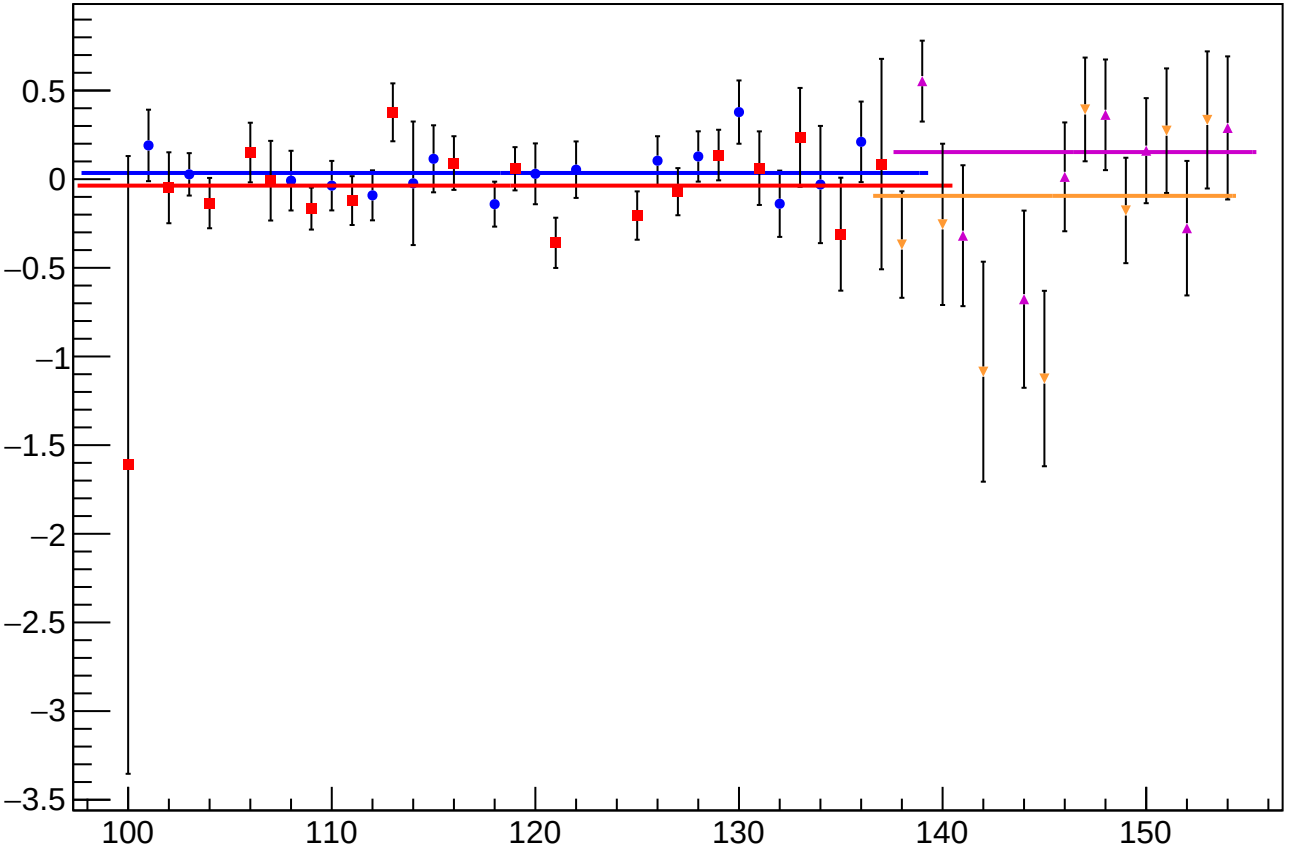
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 125.255+/-0.027 χ^2/NDF:6564918.6/23

Out: 114.582+/-0.026 χ^2/NDF:6517871.1/25

All: 119.718+/-0.019 χ^2/NDF: 13161863.6/49

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.094+/-0.129 χ^2/NDF:13.0/7

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.153+/-0.116 χ^2/NDF:9.3/7

Left: 0.043+/-0.086 χ^2/NDF: 24.4/15

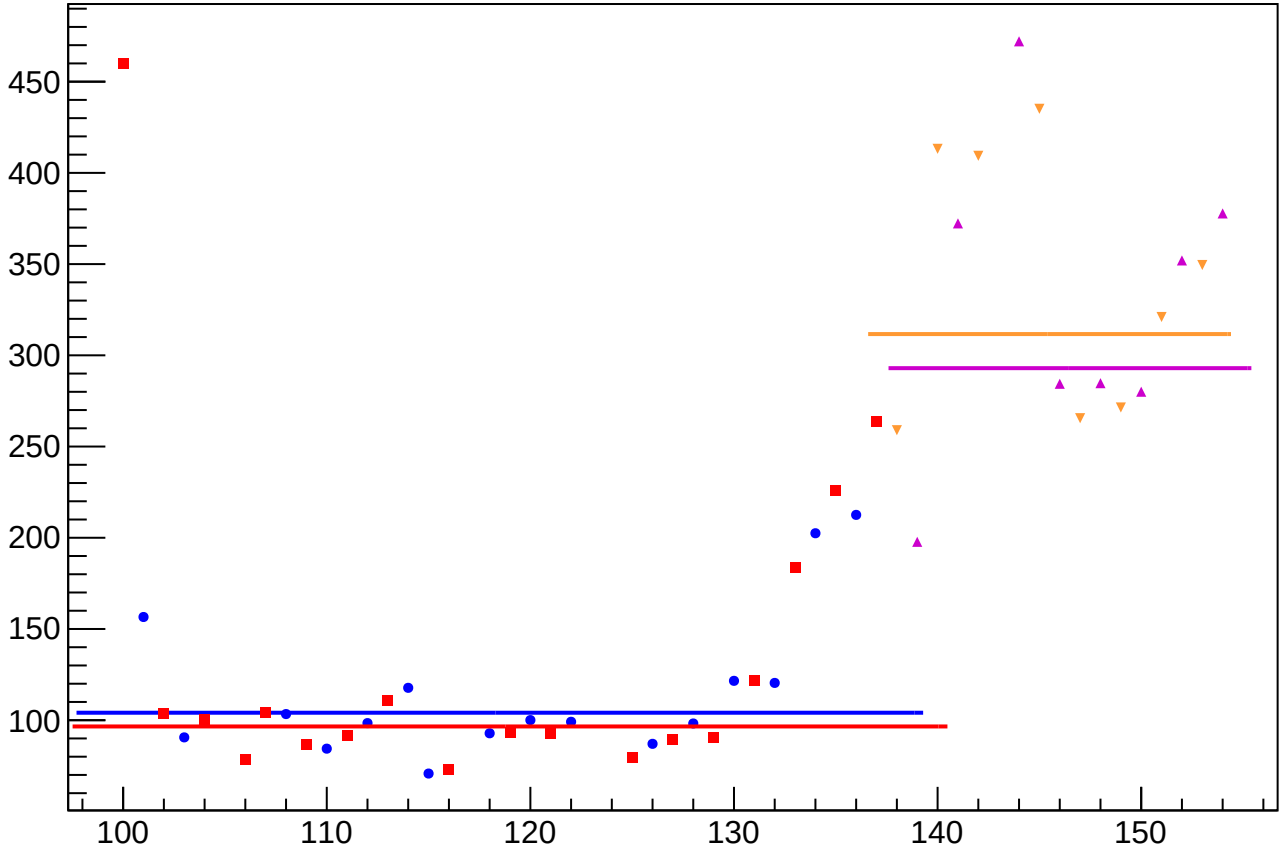
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.048+/-0.039 χ^2/NDF:20.0/23

Out: -0.041+/-0.037 χ^2/NDF:35.3/25

All: 0.002+/-0.027 χ^2/NDF: 58.0/49

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: 292.963+/-0.082 χ^2/NDF:828616.3/7

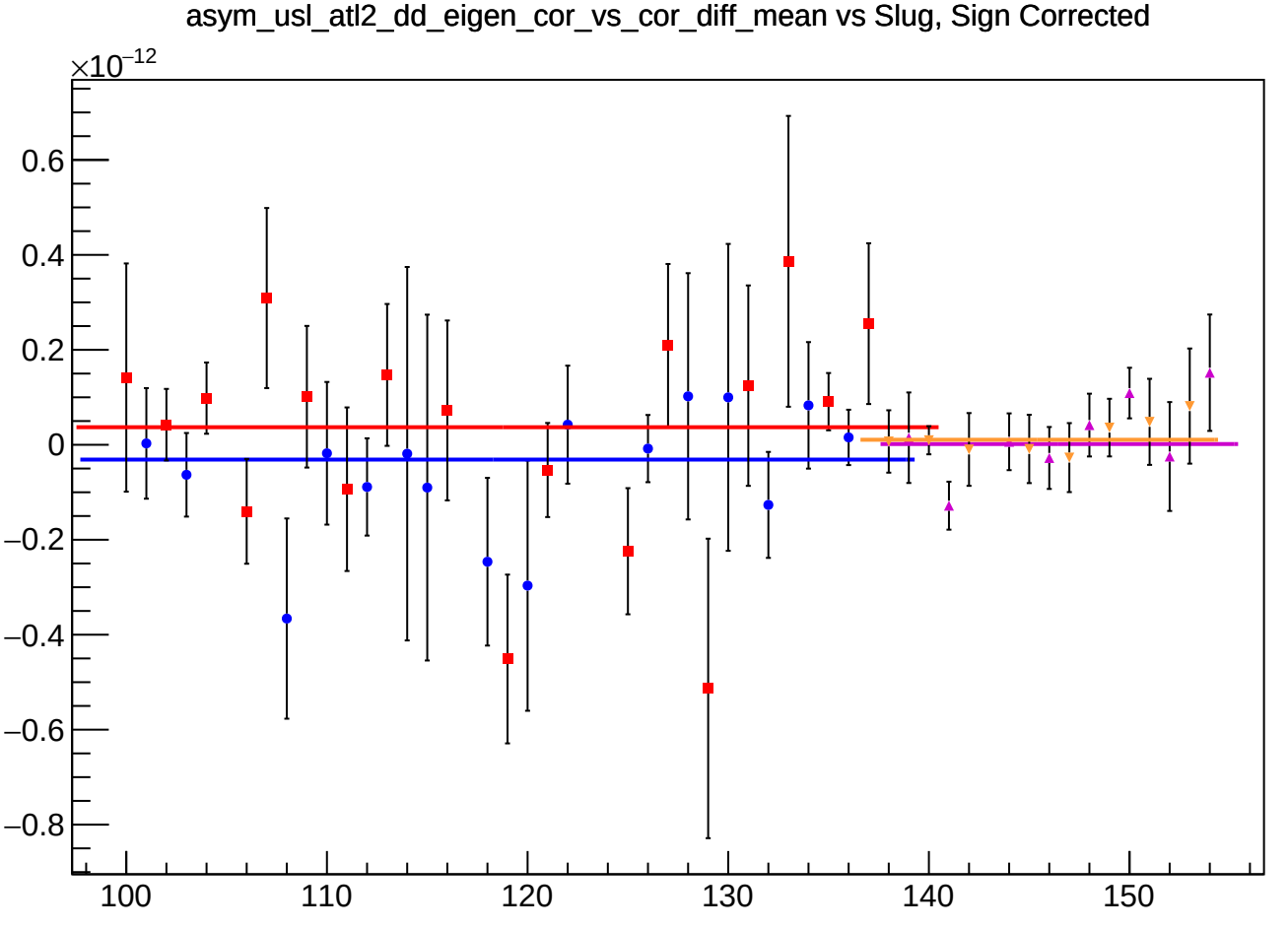
Left: 301.303+/-0.061 χ^2/NDF: 1294371.1/15

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 125.255+/-0.027 χ^2/NDF:6564918.6/23

Out: 114.582+/-0.026 χ^2/NDF:6517871.1/25

All: 119.718+/-0.019 χ^2/NDF: 13161863.6/49



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:12.8/7

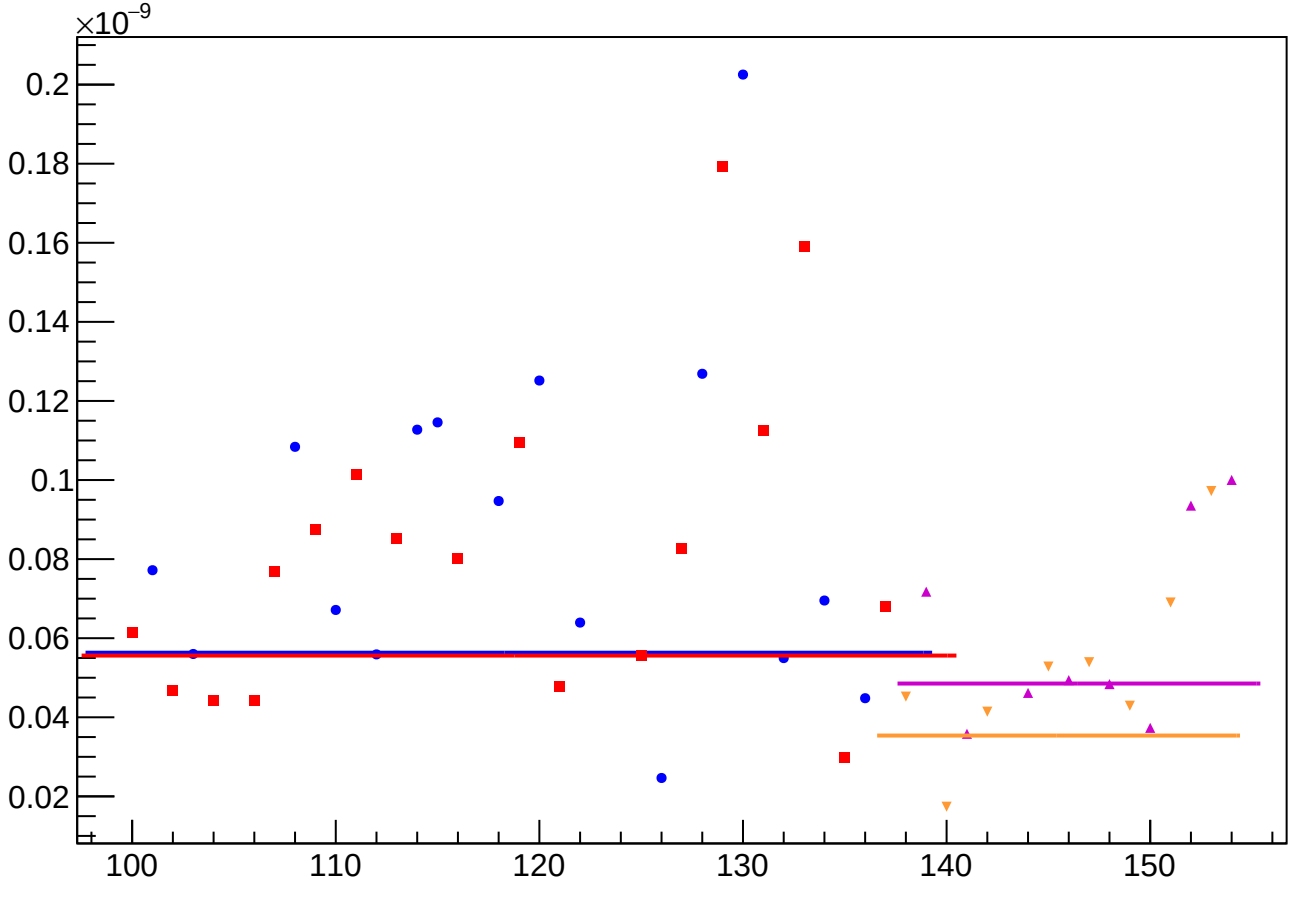
Left: 0.000+/-0.000 χ^2/NDF: 14.0/15

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:22.1/23

Out: 0.000+/-0.000 χ^2/NDF:28.7/25

All: 0.000+/-0.000 χ^2/NDF: 52.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1871032.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:998226.7/7

Left: 0.000+/-0.000 χ^2/NDF: 3217312.6/15

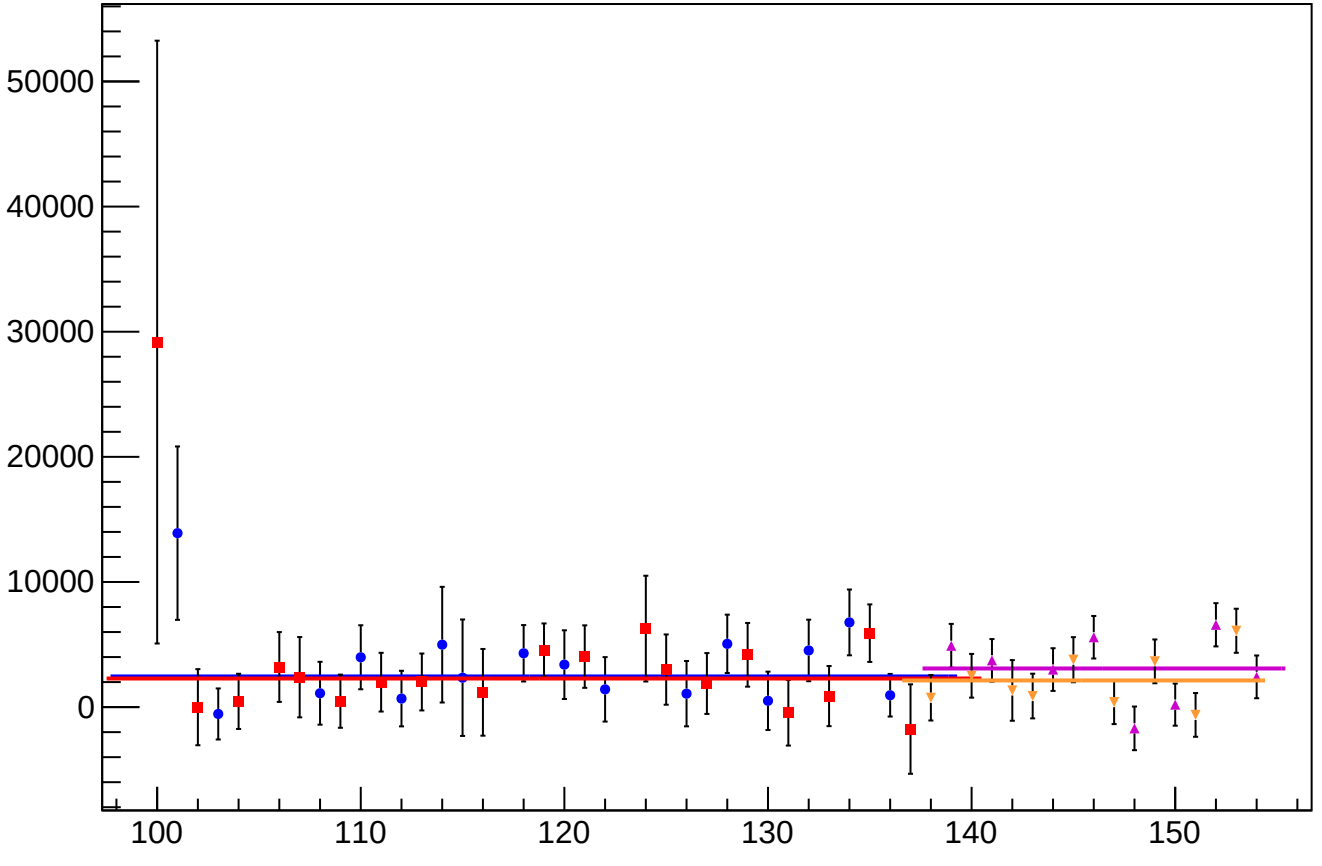
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:2664911.8/23

Out: 0.000+/-0.000 χ^2/NDF:4295239.1/25

All: 0.000+/-0.000 χ^2/NDF: 7245668.0/49

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: 3087.076+/-606.158 χ^2/NDF:18.1/7

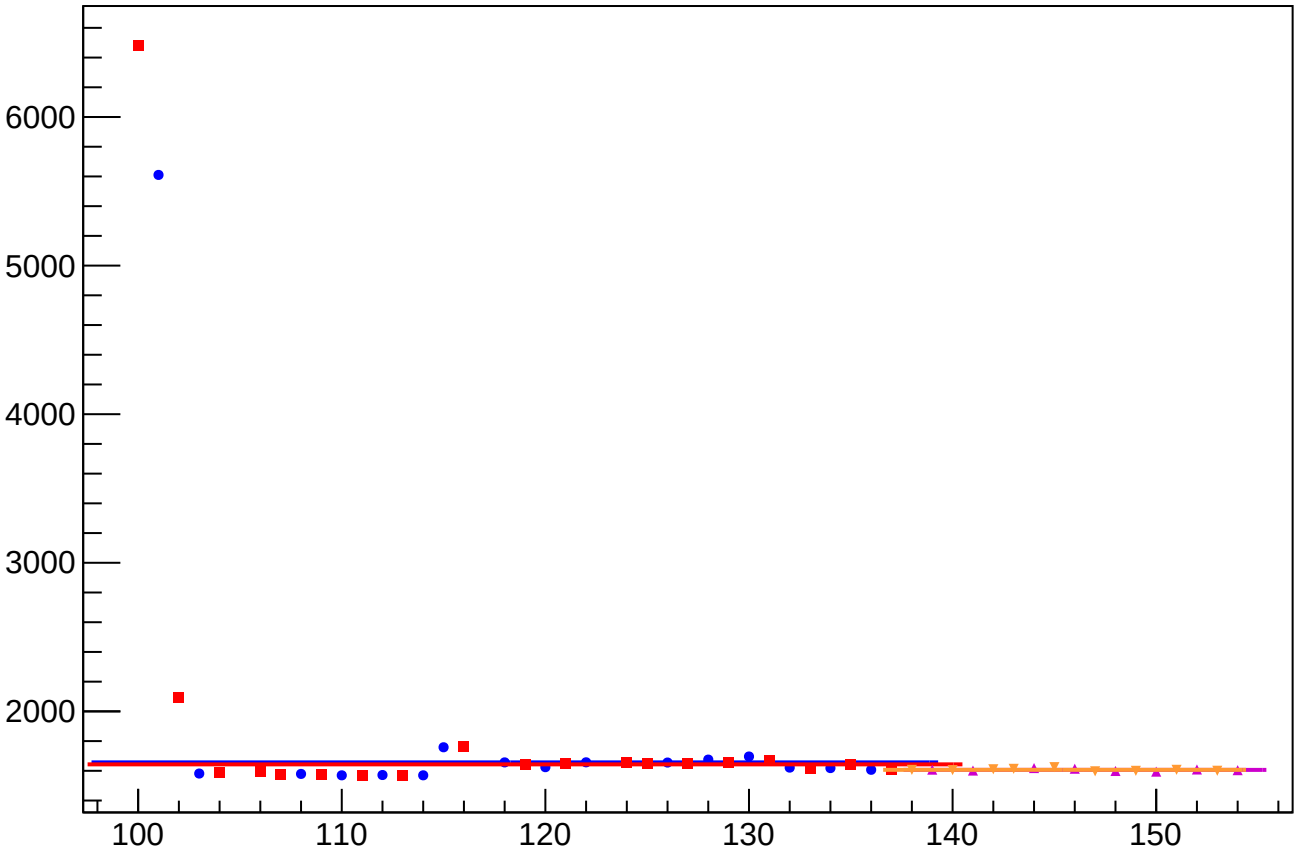
Left: 2609.348+/-428.573 χ^2/NDF: 30.7/16

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2780.918+/-436.882 χ^2/NDF:32.5/23

Out: 2208.799+/-429.629 χ^2/NDF:23.2/27

All: 2490.070+/-306.326 χ^2/NDF: 56.6/51



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: 1606.179+/-0.429 χ^2/NDF:303.9/7

Left: 1606.387+/-0.303 χ^2/NDF: 658.8/16

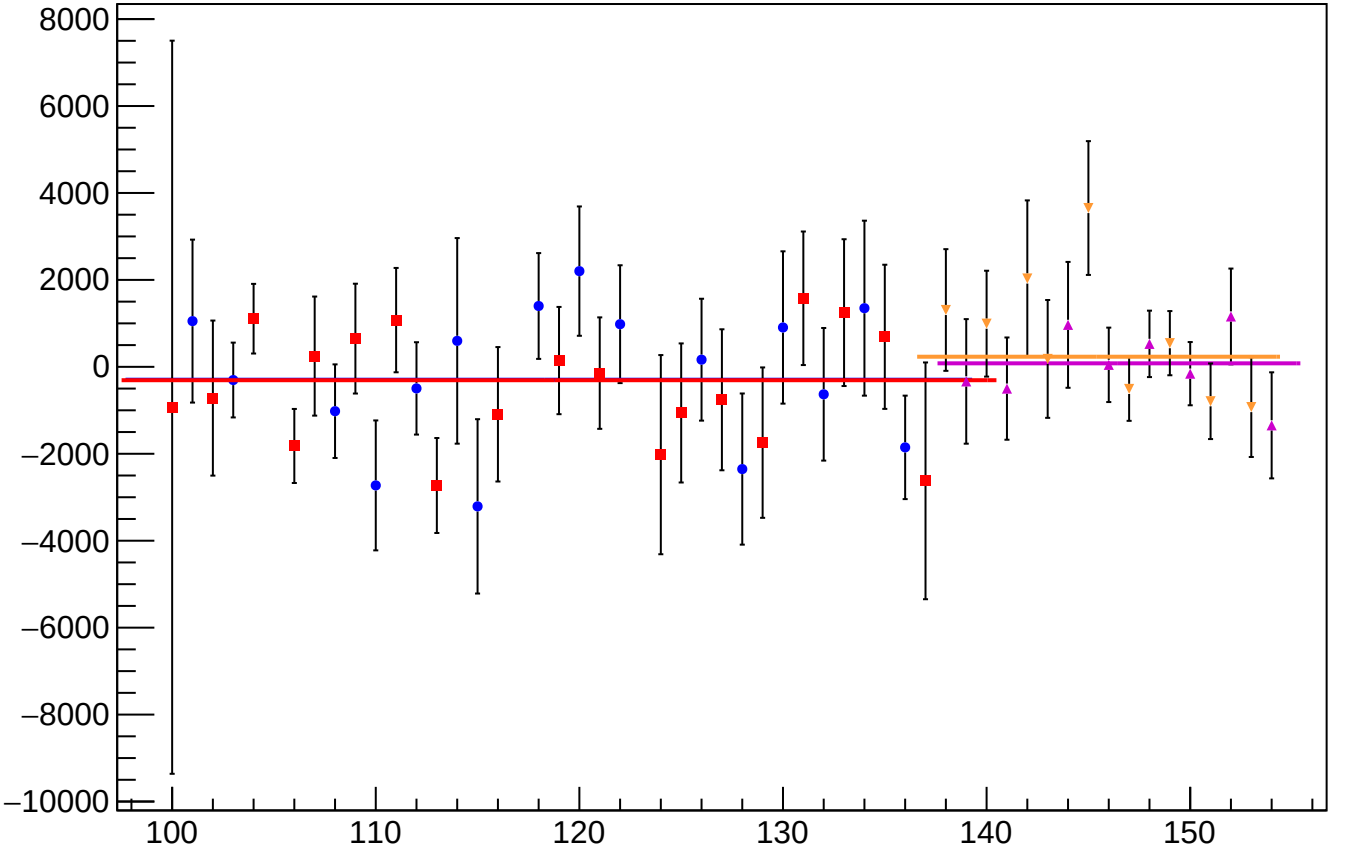
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1630.448+/-0.309 χ^2/NDF:673201.7/23

Out: 1624.918+/-0.304 χ^2/NDF:141027.6/27

All: 1627.637+/-0.217 χ^2/NDF: 814392.3/51

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: 80.590+/-350.281 χ^2/NDF:3.5/7

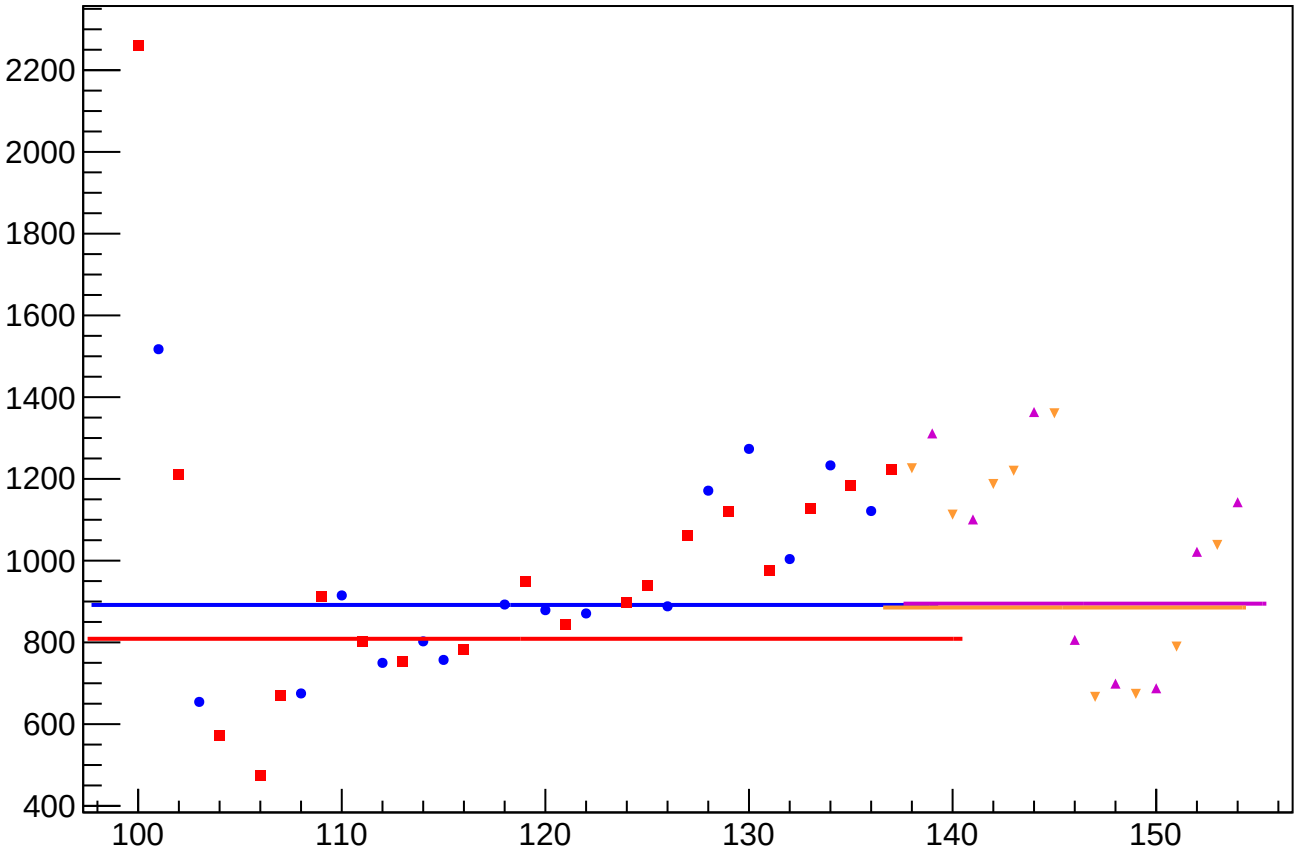
Left: 157.046+/-247.077 χ^2/NDF: 14.1/16

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -111.650+/-245.230 χ^2/NDF:20.0/23

Out: -66.448+/-232.877 χ^2/NDF:30.6/27

All: -87.882+/-168.867 χ^2/NDF: 50.6/51



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: 894.762+/-0.248 χ^2/NDF:863946.7/7

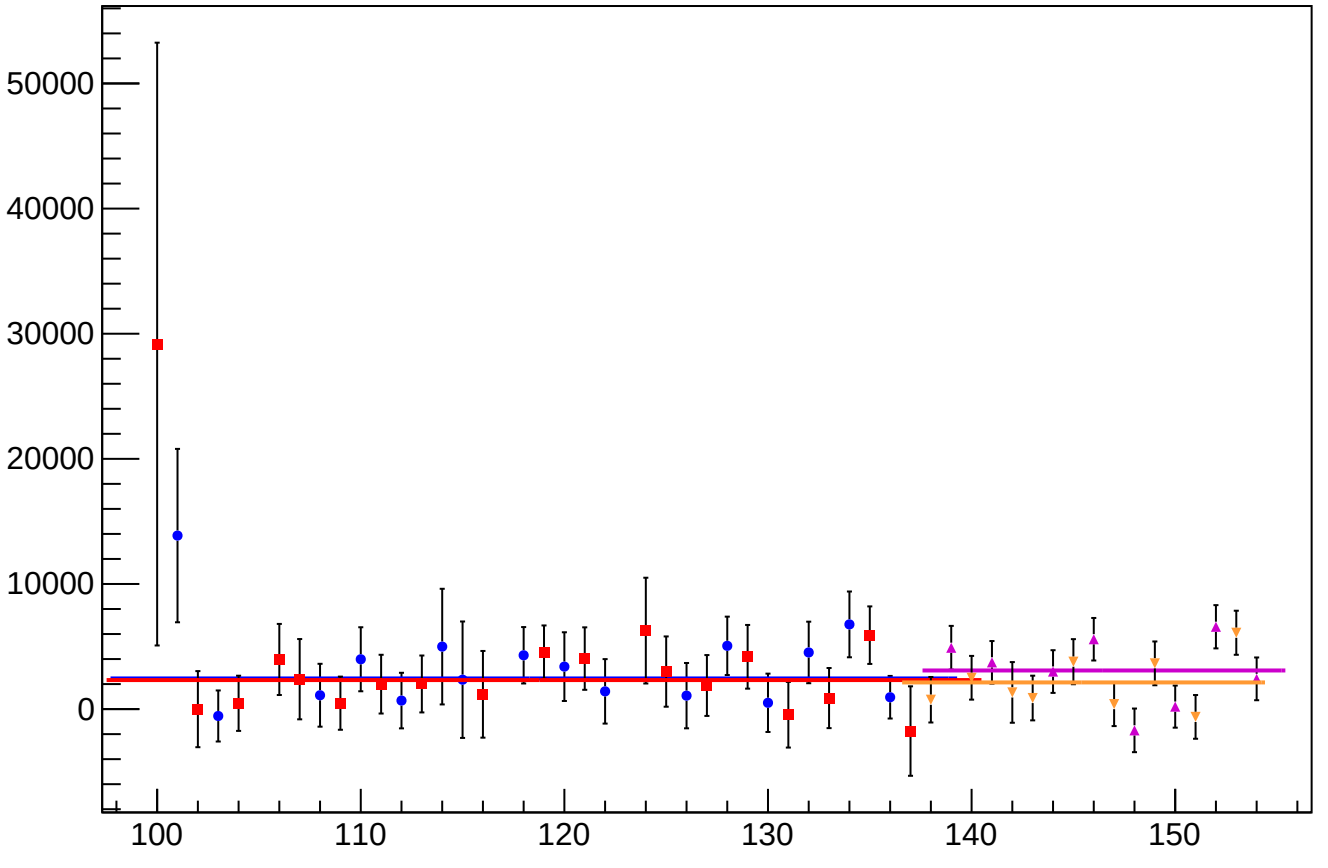
Left: 890.017+/-0.175 χ^2/NDF: 1822696.1/16

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 893.166+/-0.173 χ^2/NDF:1657925.2/23

Out: 842.960+/-0.165 χ^2/NDF:2095209.8/27

All: 866.767+/-0.119 χ^2/NDF: 3797214.6/51



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: 3087.213+/-606.159 χ^2/NDF:18.1/7

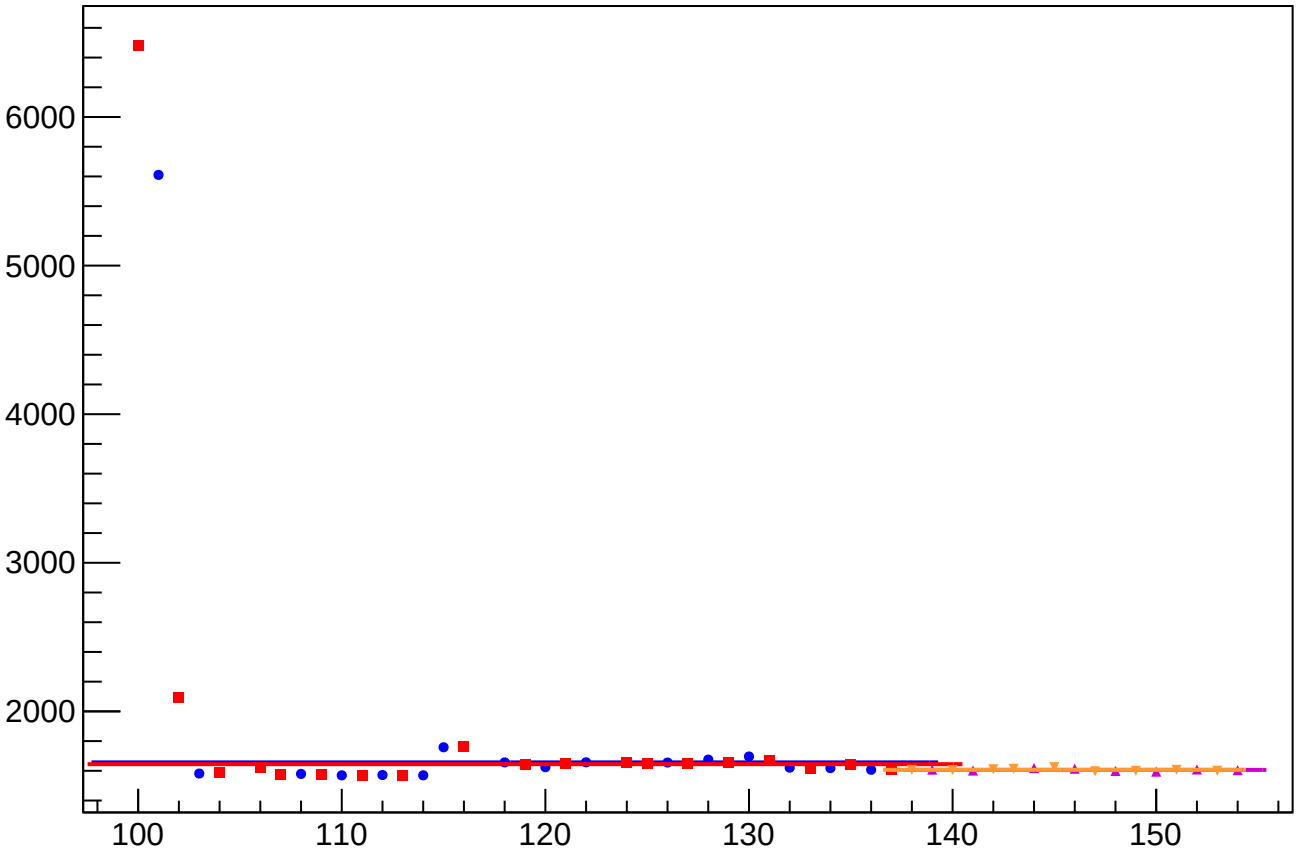
Left: 2609.398+/-428.573 χ^2/NDF: 30.7/16

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2780.720+/-436.882 χ^2/NDF:32.5/23

Out: 2225.617+/-429.805 χ^2/NDF:23.5/27

All: 2498.636+/-306.390 χ^2/NDF: 56.8/51



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: 1606.179+/-0.429 χ^2/NDF:303.9/7

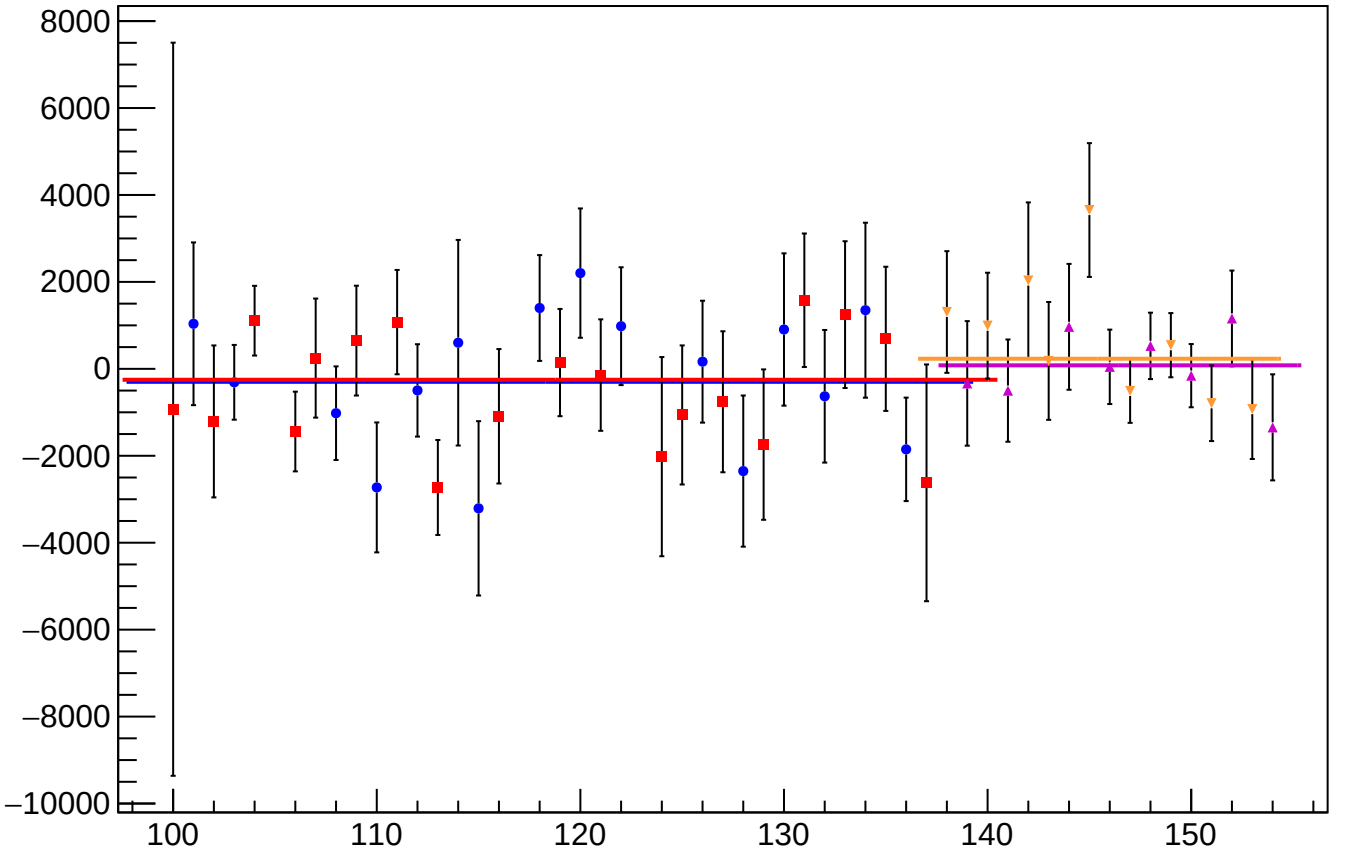
Left: 1606.387+/-0.303 χ^2/NDF: 658.8/16

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1630.448+/-0.309 χ^2/NDF:673201.3/23

Out: 1625.550+/-0.304 χ^2/NDF:140774.1/27

All: 1627.959+/-0.217 χ^2/NDF: 814103.1/51



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: 80.646+/-350.284 χ^2/NDF:3.5/7

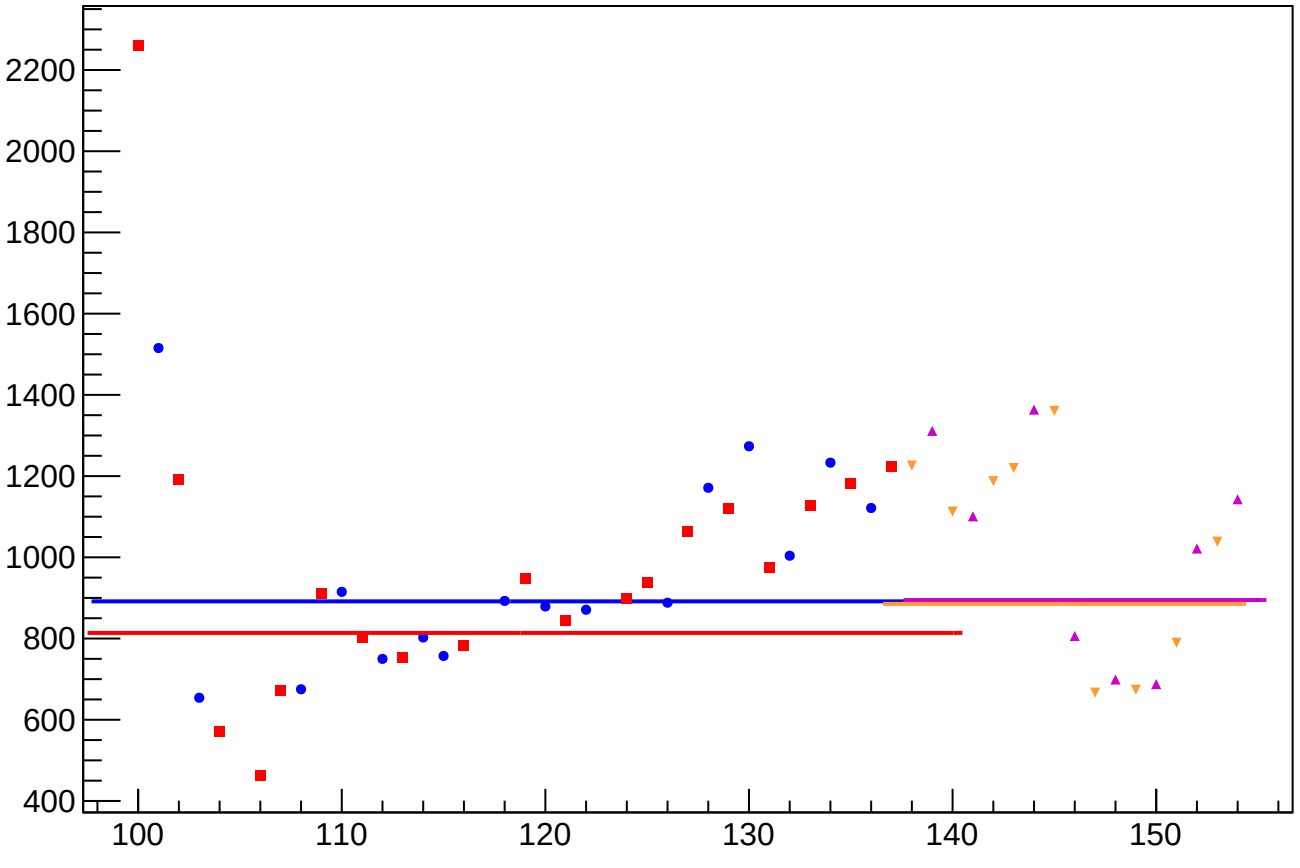
Left: 157.010+/-247.076 χ^2/NDF: 14.1/16

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -112.334+/-245.215 χ^2/NDF:20.0/23

Out: -33.143+/-234.011 χ^2/NDF:28.8/27

All: -70.888+/-169.293 χ^2/NDF: 48.9/51



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: 894.769+/-0.248 χ^2/NDF:863914.1/7

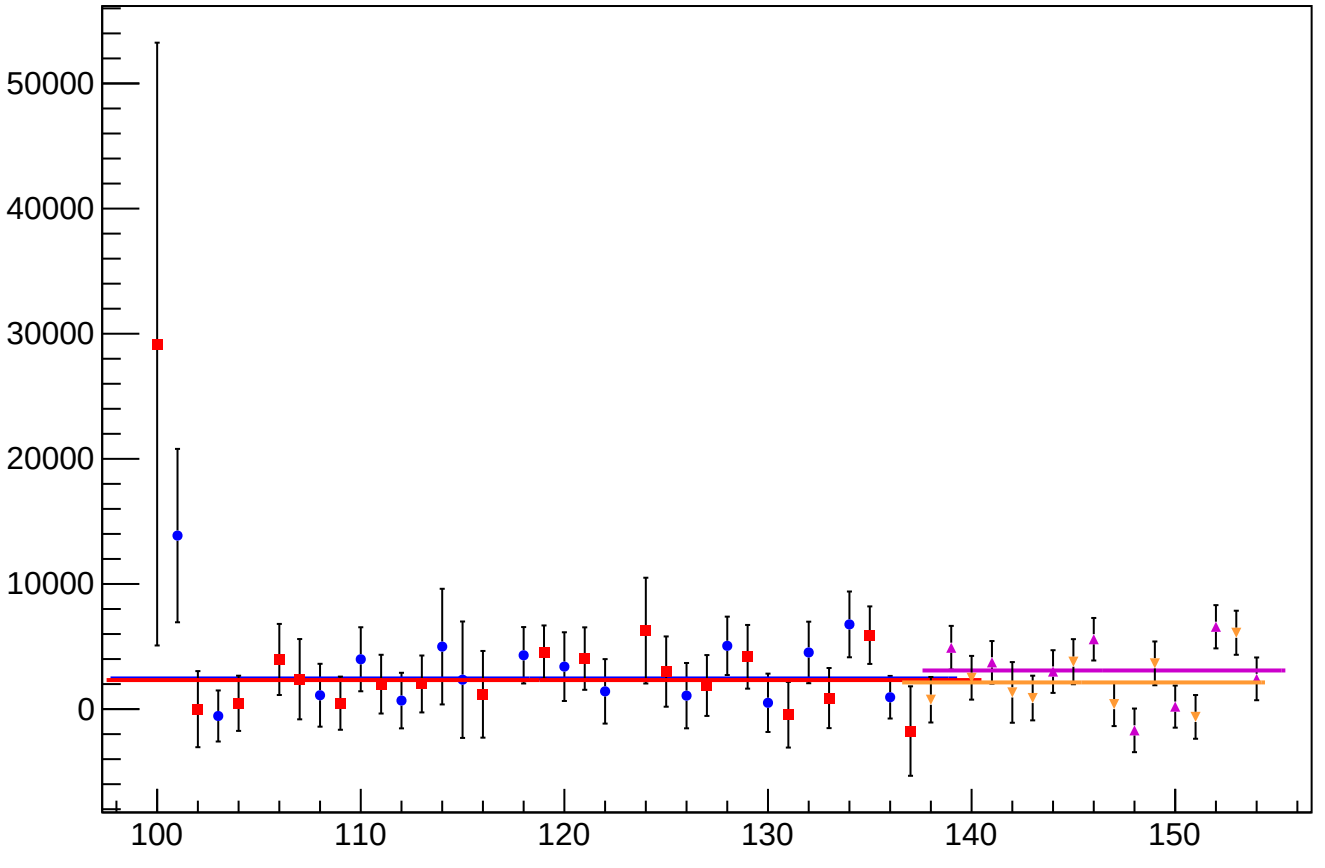
Left: 890.013+/-0.175 χ^2/NDF: 1822709.5/16

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 893.119+/-0.173 χ^2/NDF:1657658.3/23

Out: 846.032+/-0.165 χ^2/NDF:2057272.2/27

All: 868.475+/-0.120 χ^2/NDF: 3753526.4/51



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: 3087.213+/-606.159 χ^2/NDF:18.1/7

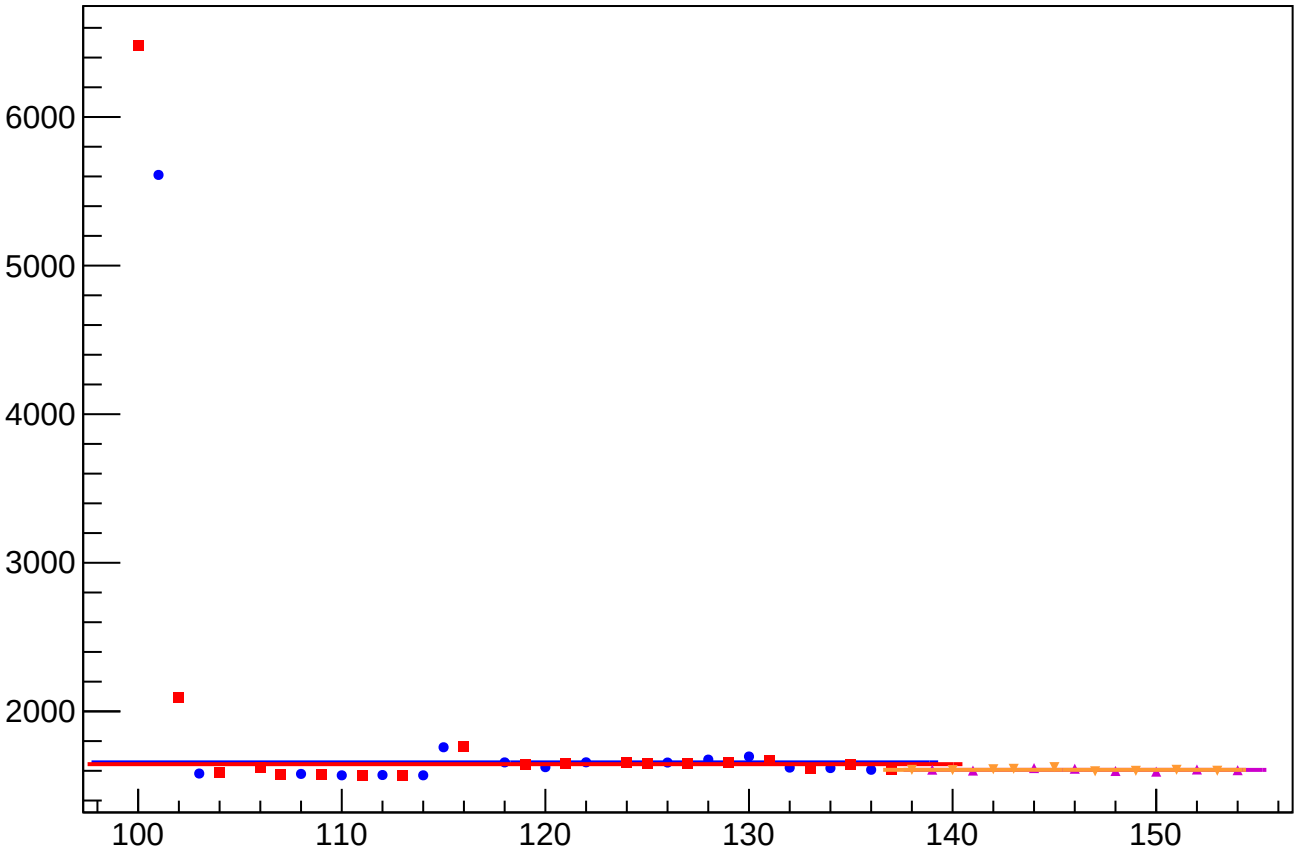
Left: 2609.398+/-428.573 χ^2/NDF: 30.7/16

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2780.720+/-436.882 χ^2/NDF:32.5/23

Out: 2225.617+/-429.805 χ^2/NDF:23.5/27

All: 2498.636+/-306.390 χ^2/NDF: 56.8/51



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: 1606.179+/-0.429 χ^2/NDF:303.9/7

Left: 1606.387+/-0.303 χ^2/NDF: 658.8/16

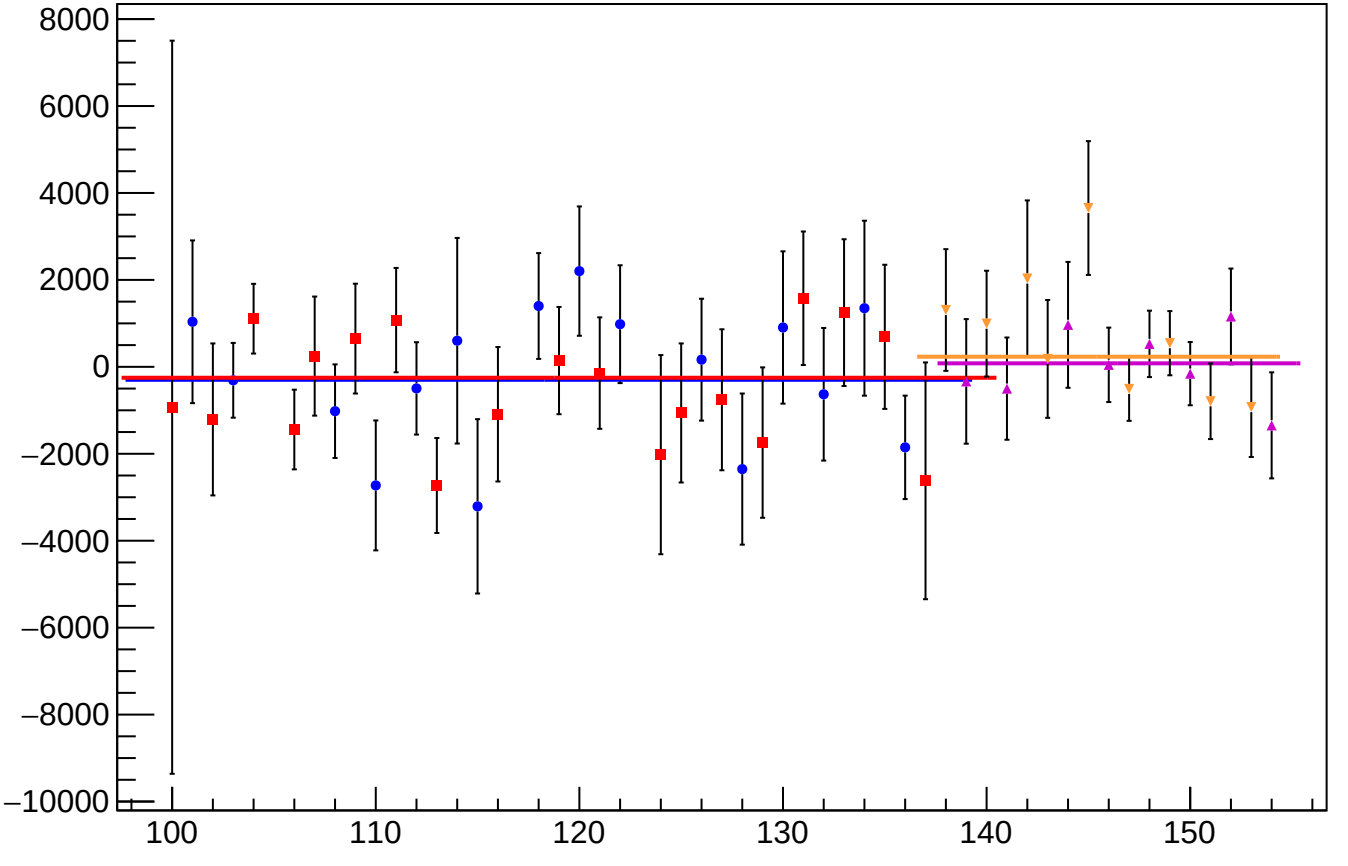
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1630.448+/-0.309 χ^2/NDF:673201.3/23

Out: 1625.550+/-0.304 χ^2/NDF:140774.1/27

All: 1627.959+/-0.217 χ^2/NDF: 814103.1/51

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: 80.646+/-350.284 χ^2/NDF:3.5/7

Left: 157.010+/-247.076 χ^2/NDF: 14.1/16

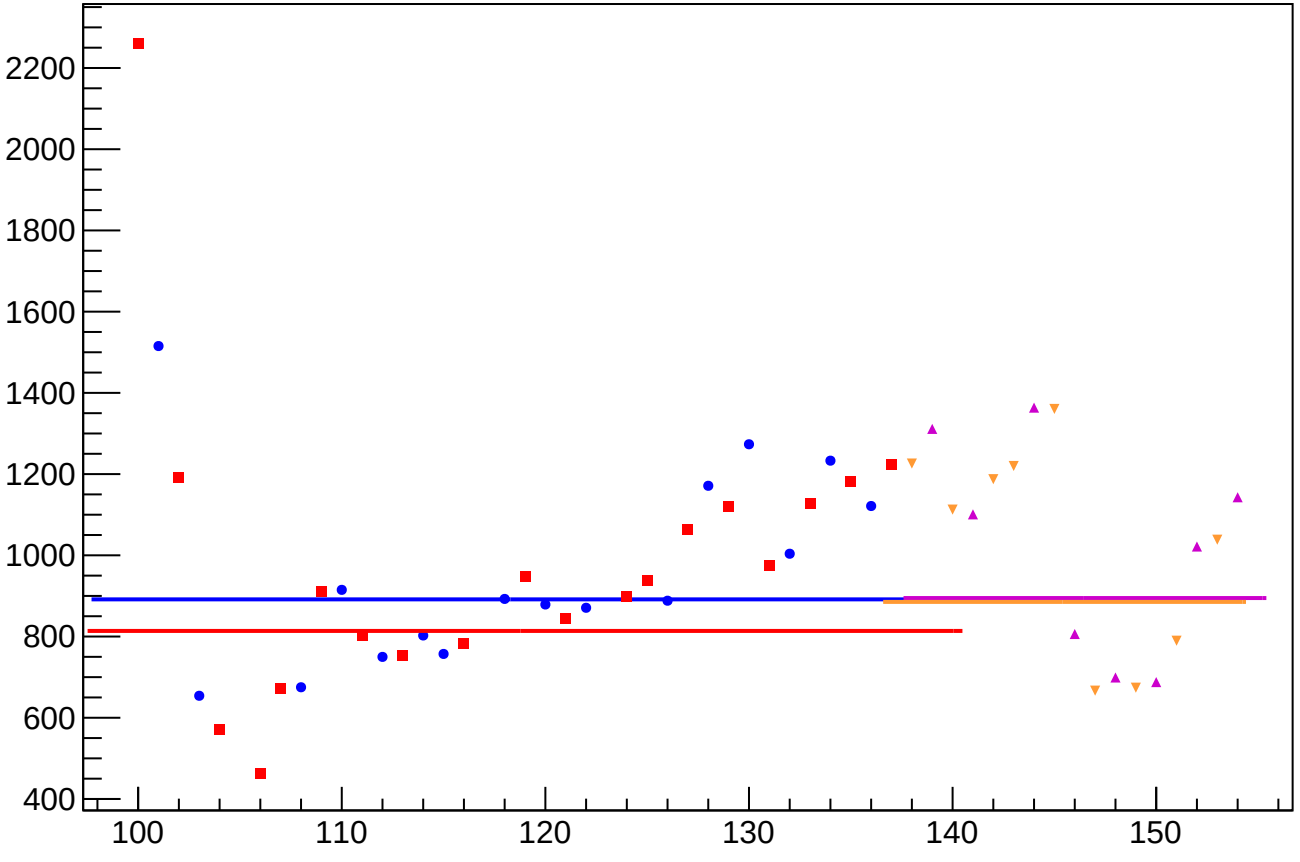
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -112.334+/-245.215 χ^2/NDF:20.0/23

Out: -33.143+/-234.011 χ^2/NDF:28.8/27

All: -70.888+/-169.293 χ^2/NDF: 48.9/51

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: 894.769+/-0.248 χ^2/NDF:863914.1/7

Left: 890.013+/-0.175 χ^2/NDF: 1822709.5/16

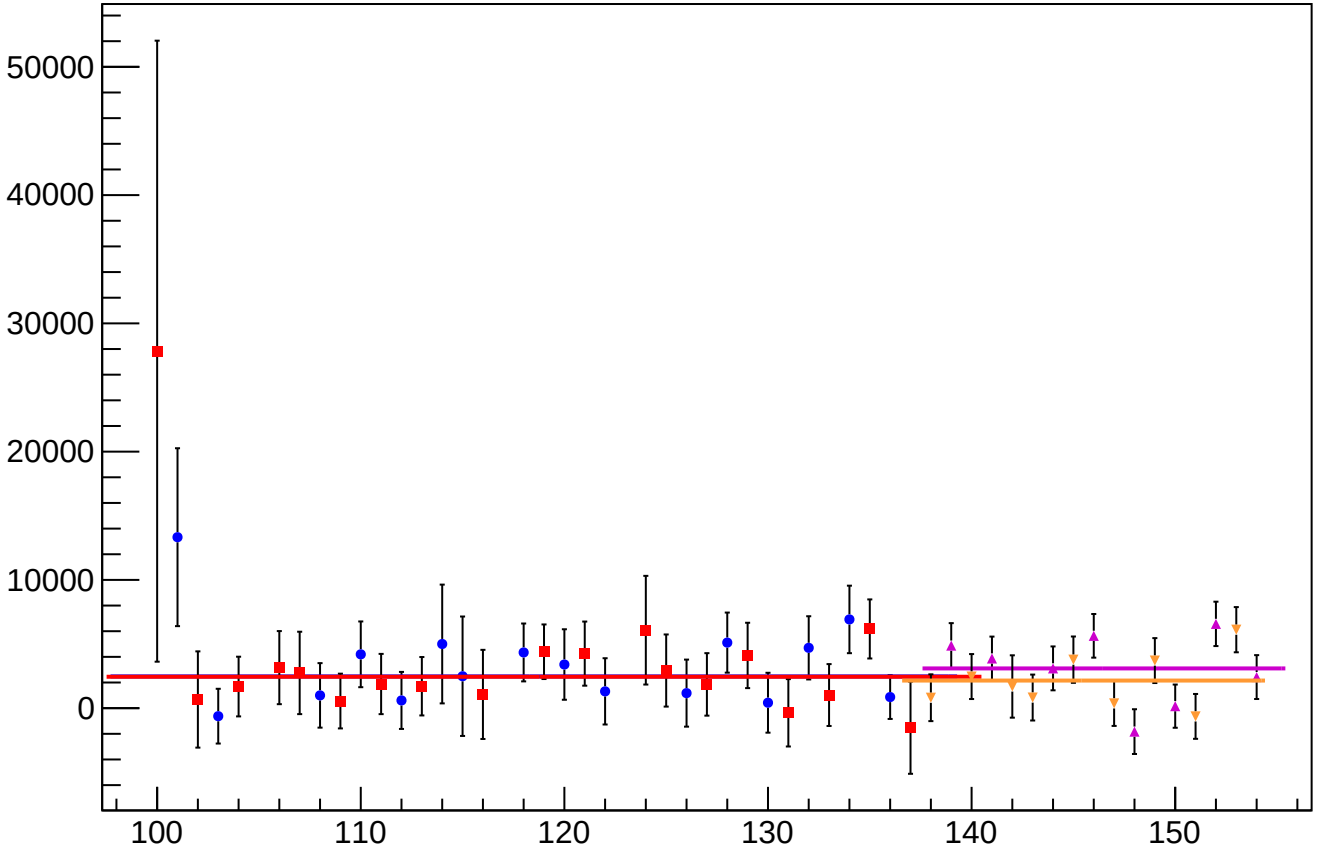
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 893.119+/-0.173 χ^2/NDF:1657658.3/23

Out: 846.032+/-0.165 χ^2/NDF:2057272.2/27

All: 868.475+/-0.120 χ^2/NDF: 3753526.4/51

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: 3098.441+/-607.018 χ^2/NDF:18.7/7

Left: 2625.764+/-429.253 χ^2/NDF: 31.3/16

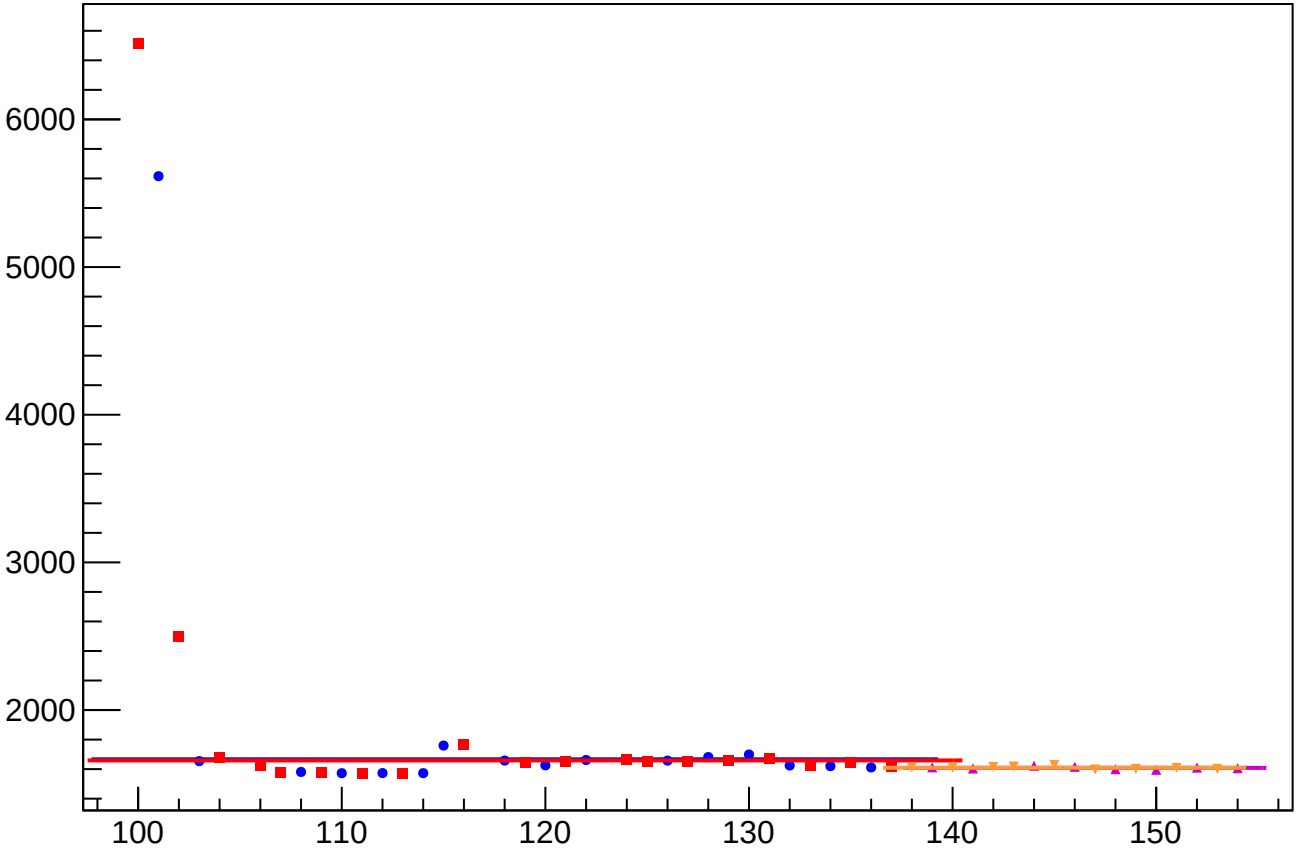
Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2800.313+/-438.411 χ^2/NDF:33.4/23

Out: 2298.488+/-432.923 χ^2/NDF:22.1/27

All: 2546.240+/-308.045 χ^2/NDF: 56.1/51

dit_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



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: 1608.434+/-0.429 χ^2/NDF:375.4/7

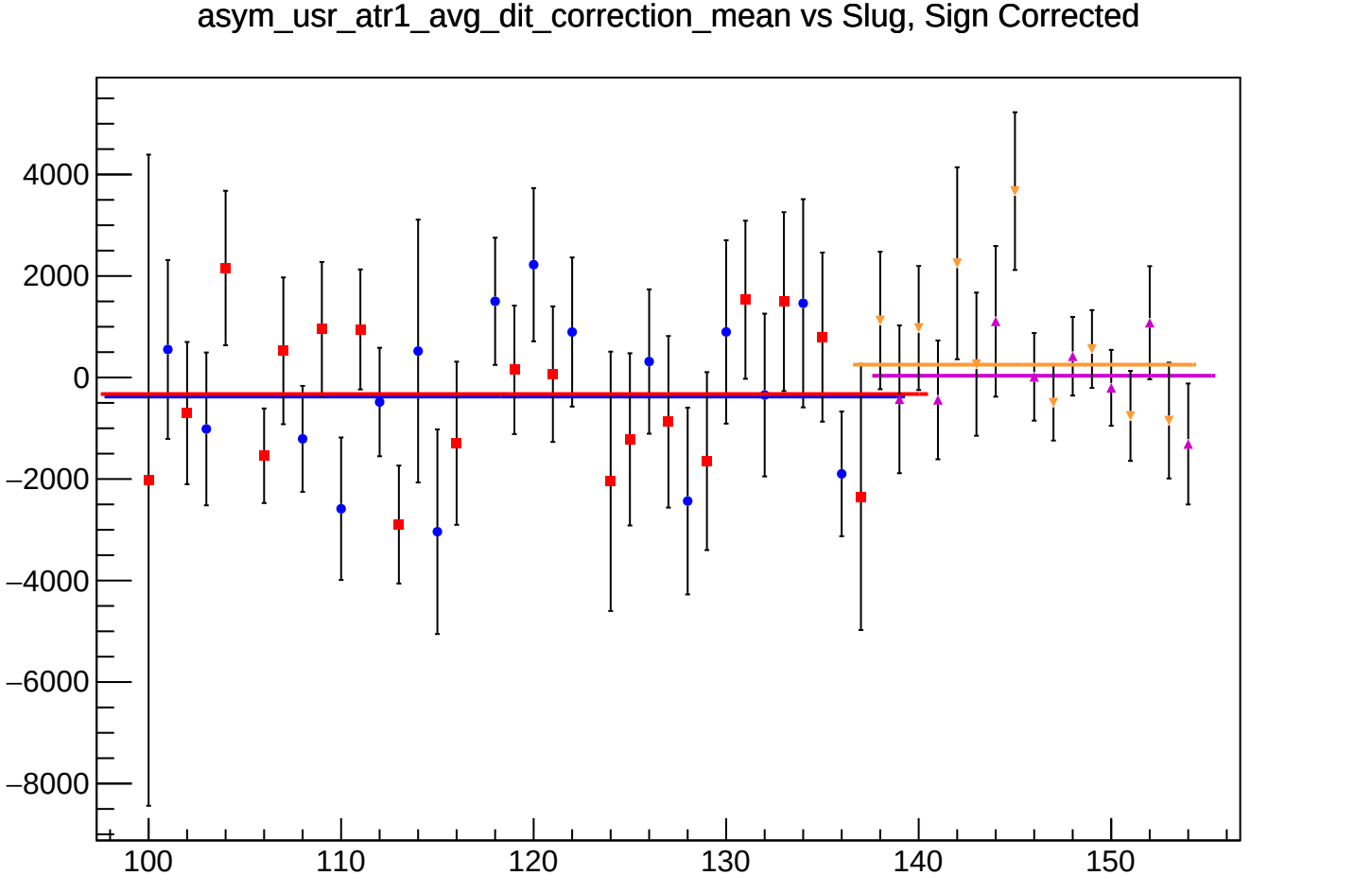
Left: 1608.917+/-0.304 χ^2/NDF: 822.1/16

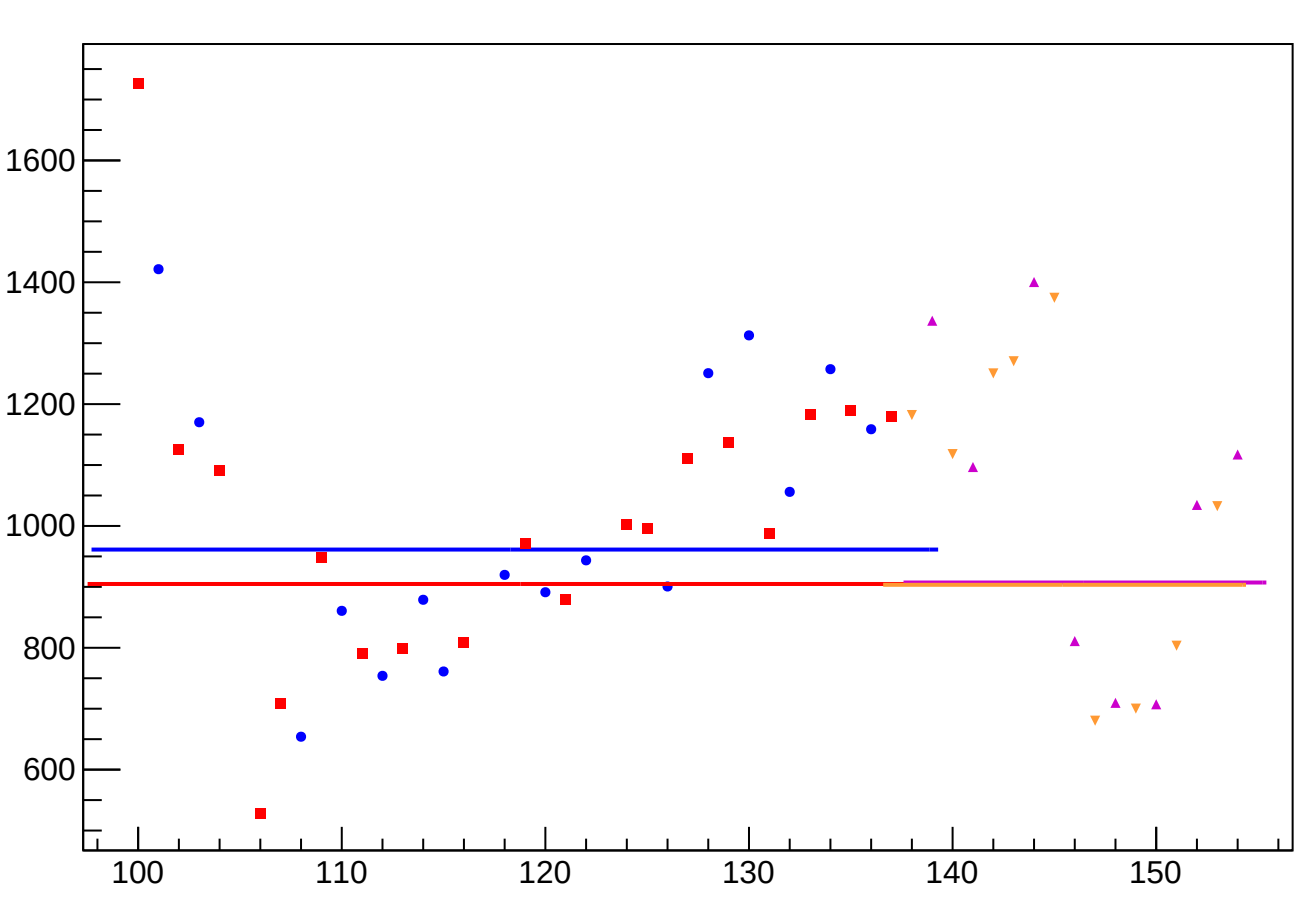
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1636.164+/-0.310 χ^2/NDF:672014.3/23

Out: 1633.779+/-0.306 χ^2/NDF:200230.4/27

All: 1634.956+/-0.218 χ^2/NDF: 872274.6/51


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: 252.804+/-354.878 χ²/NDF:10.1/8
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 34.793+/-354.387 χ²/NDF:3.3/7
Left: 143.648+/-250.763 χ²/NDF: 13.6/16
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -162.218+/-255.248 χ²/NDF:19.7/23
Out: -48.287+/-245.741 χ²/NDF:28.9/27
All: -103.092+/-177.031 χ²/NDF: 48.7/51



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: 907.139+/-0.251 χ^2/NDF:833503.5/7

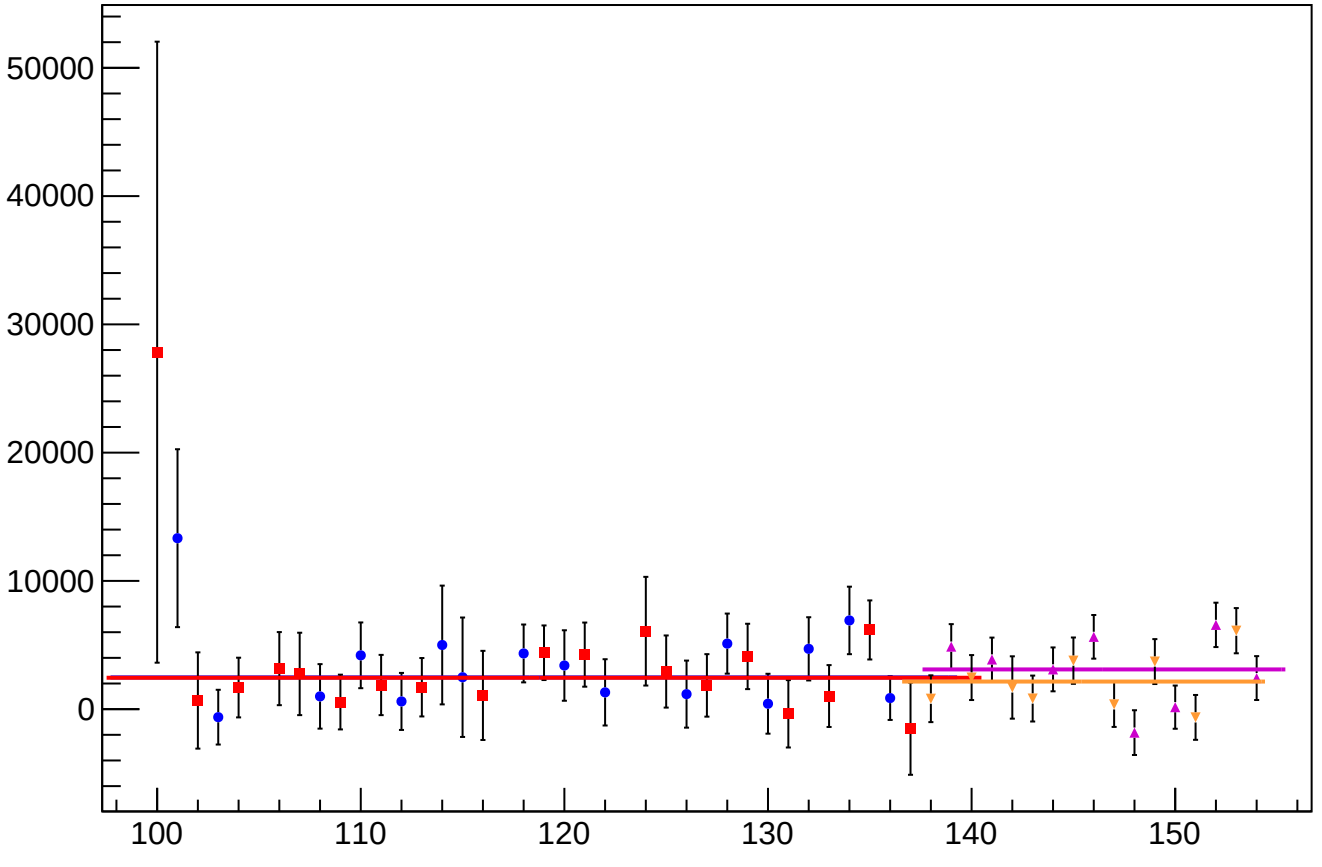
Left: 905.278+/-0.177 χ^2/NDF: 1735956.0/16

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 933.176+/-0.180 χ^2/NDF:1547812.0/23

Out: 904.102+/-0.174 χ^2/NDF:1638841.3/27

All: 918.087+/-0.125 χ^2/NDF: 3200119.7/51



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: 3098.441+/-607.018 χ^2/NDF:18.7/7

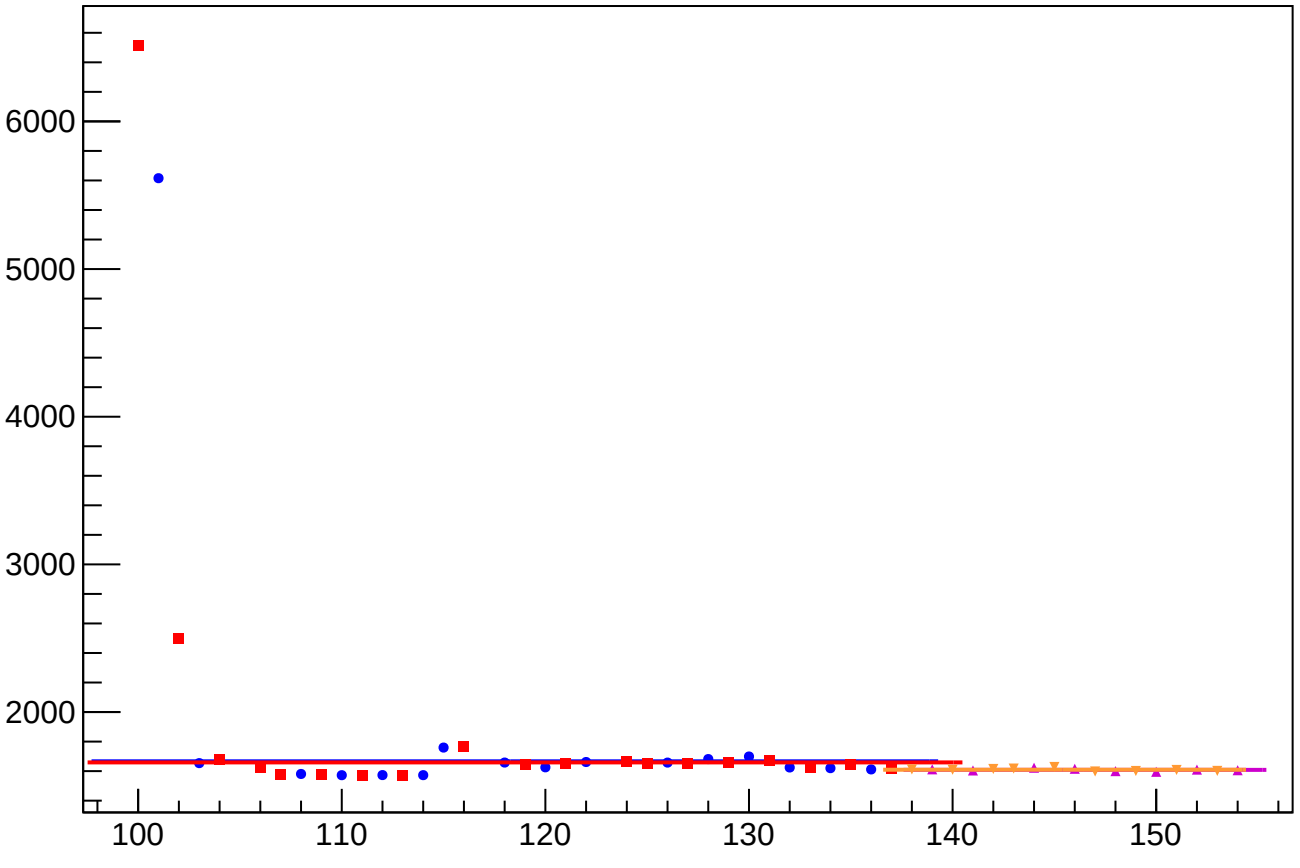
Left: 2625.765+/-429.253 χ^2/NDF: 31.3/16

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2800.312+/-438.411 χ^2/NDF:33.4/23

Out: 2298.489+/-432.923 χ^2/NDF:22.1/27

All: 2546.240+/-308.045 χ^2/NDF: 56.1/51



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: 1608.434+/-0.429 χ^2/NDF:375.4/7

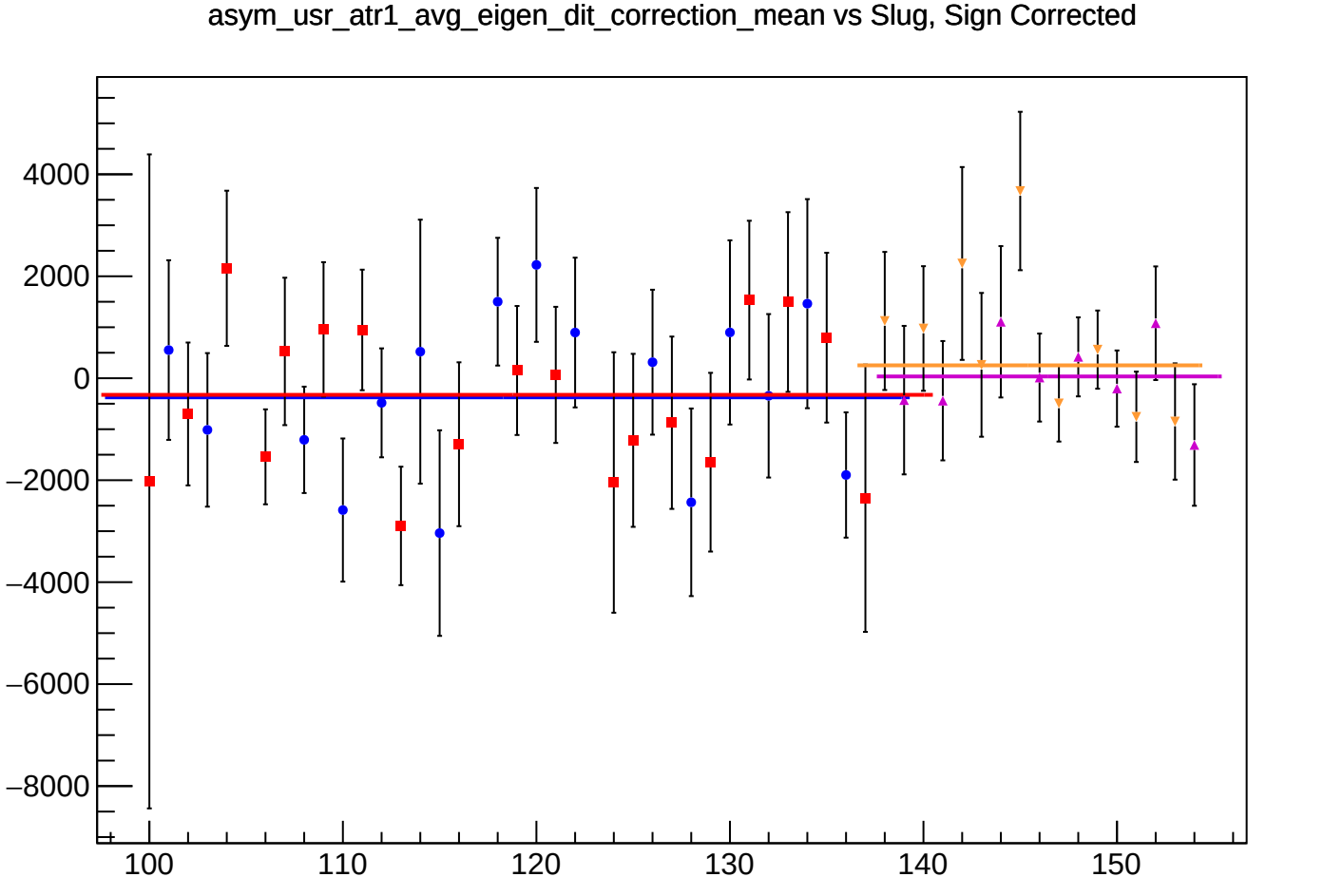
Left: 1608.917+/-0.304 χ^2/NDF: 822.1/16

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1636.163+/-0.310 χ^2/NDF:672014.2/23

Out: 1633.779+/-0.306 χ^2/NDF:200230.2/27

All: 1634.956+/-0.218 χ^2/NDF: 872274.4/51



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: 34.794+/-354.388 χ^2/NDF:3.3/7

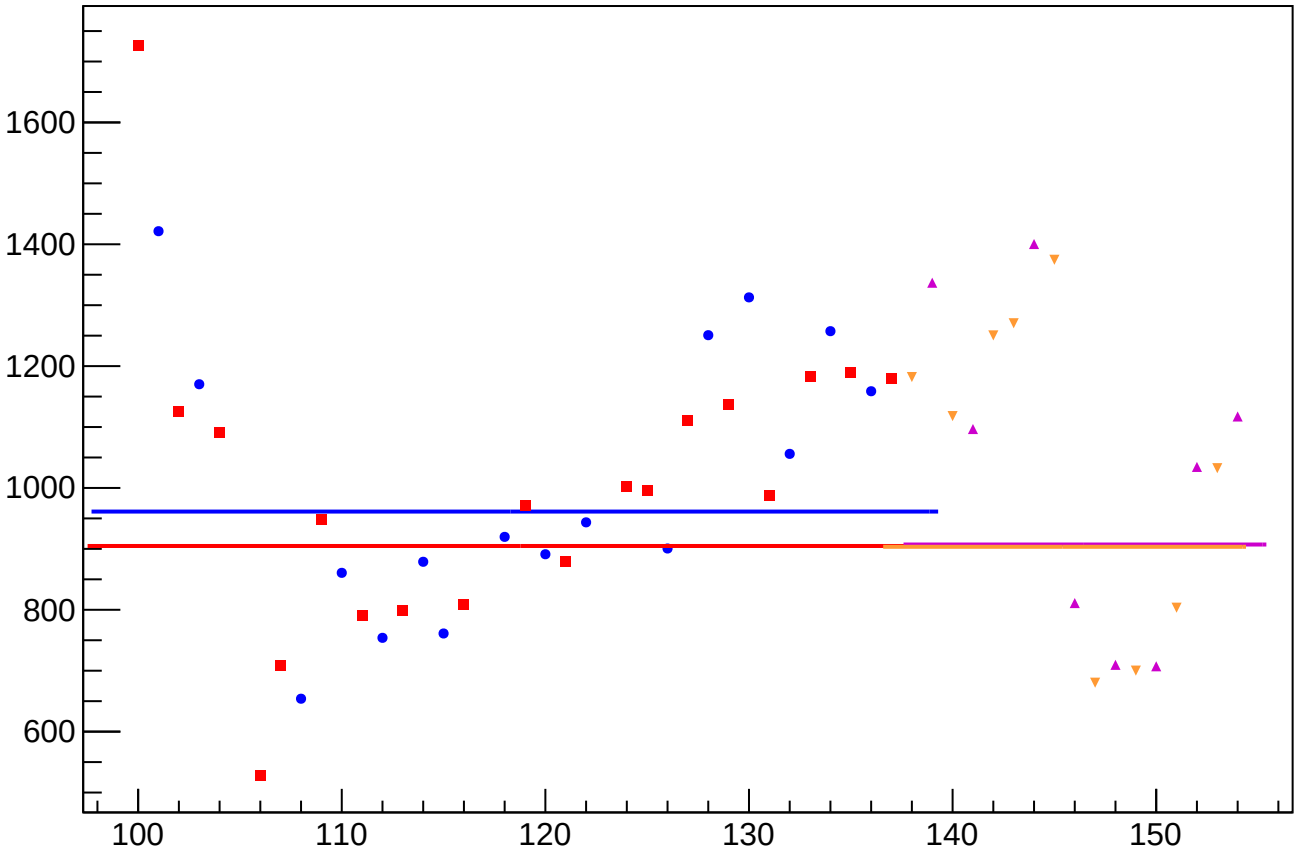
Left: 143.647+/-250.763 χ^2/NDF: 13.6/16

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -162.219+/-255.248 χ^2/NDF:19.7/23

Out: -48.289+/-245.741 χ^2/NDF:28.9/27

All: -103.092+/-177.031 χ^2/NDF: 48.7/51



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: 907.141+/-0.251 χ^2/NDF:833505.5/7

Left: 905.280+/-0.177 χ^2/NDF: 1735959.3/16

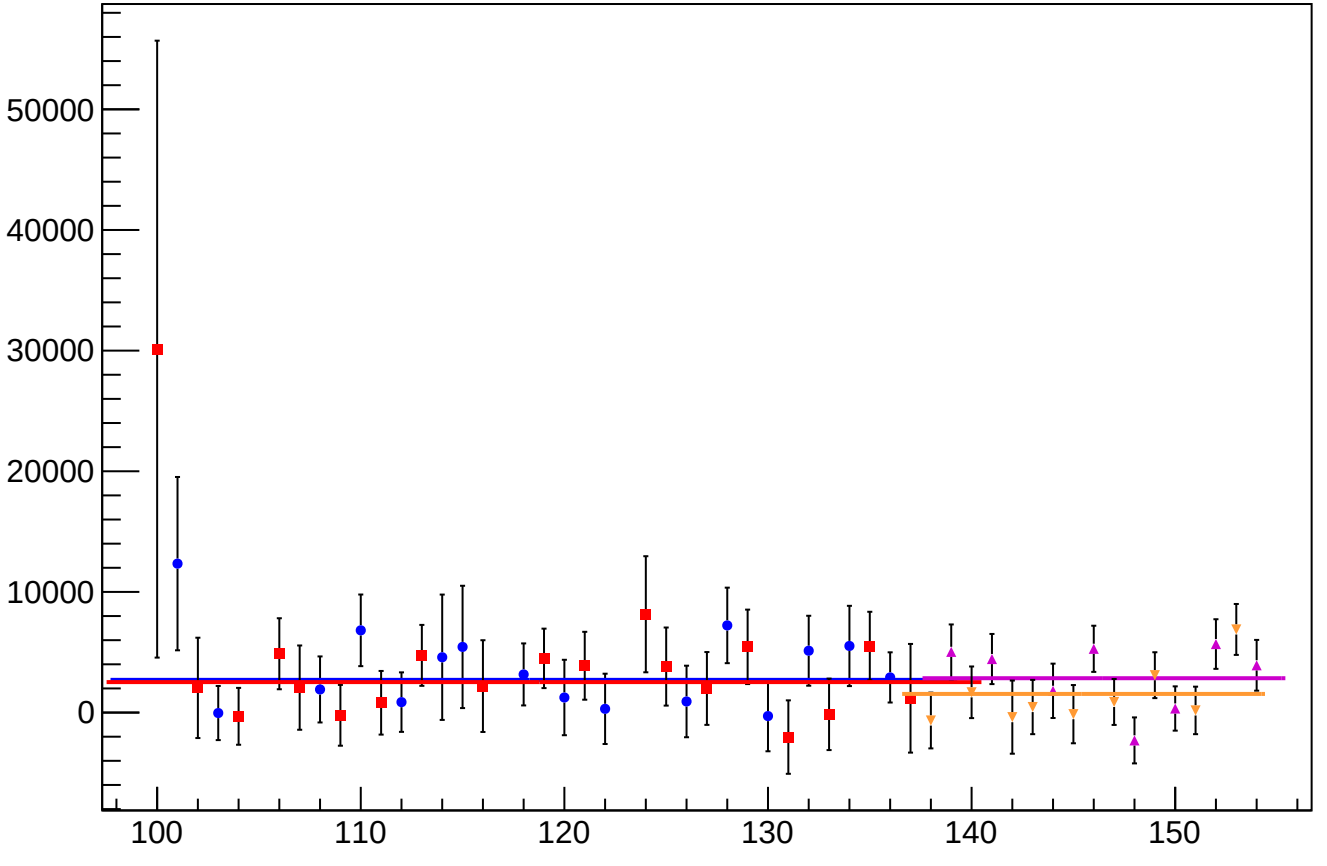
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 933.175+/-0.180 χ^2/NDF:1547817.3/23

Out: 904.101+/-0.174 χ^2/NDF:1638840.0/27

All: 918.087+/-0.125 χ^2/NDF: 3200123.5/51

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: 2847.072+/-719.798 χ^2/NDF:14.7/7

Left: 2197.911+/-509.738 χ^2/NDF: 26.0/16

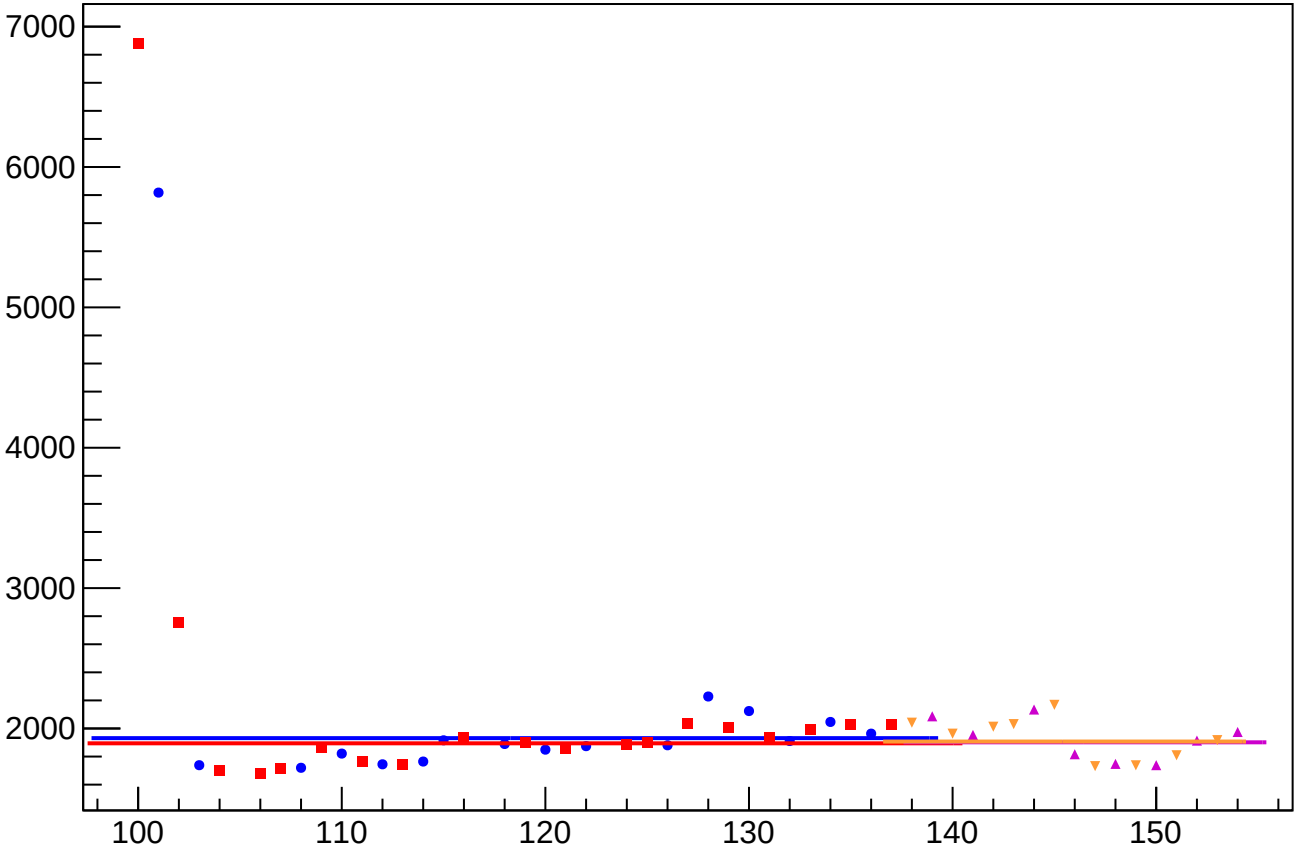
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2780.659+/-514.295 χ^2/NDF:26.8/23

Out: 2045.837+/-504.931 χ^2/NDF:23.9/27

All: 2406.498+/-360.305 χ^2/NDF: 51.8/51

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: 1901.460+/-0.509 χ^2/NDF:71279.5/7

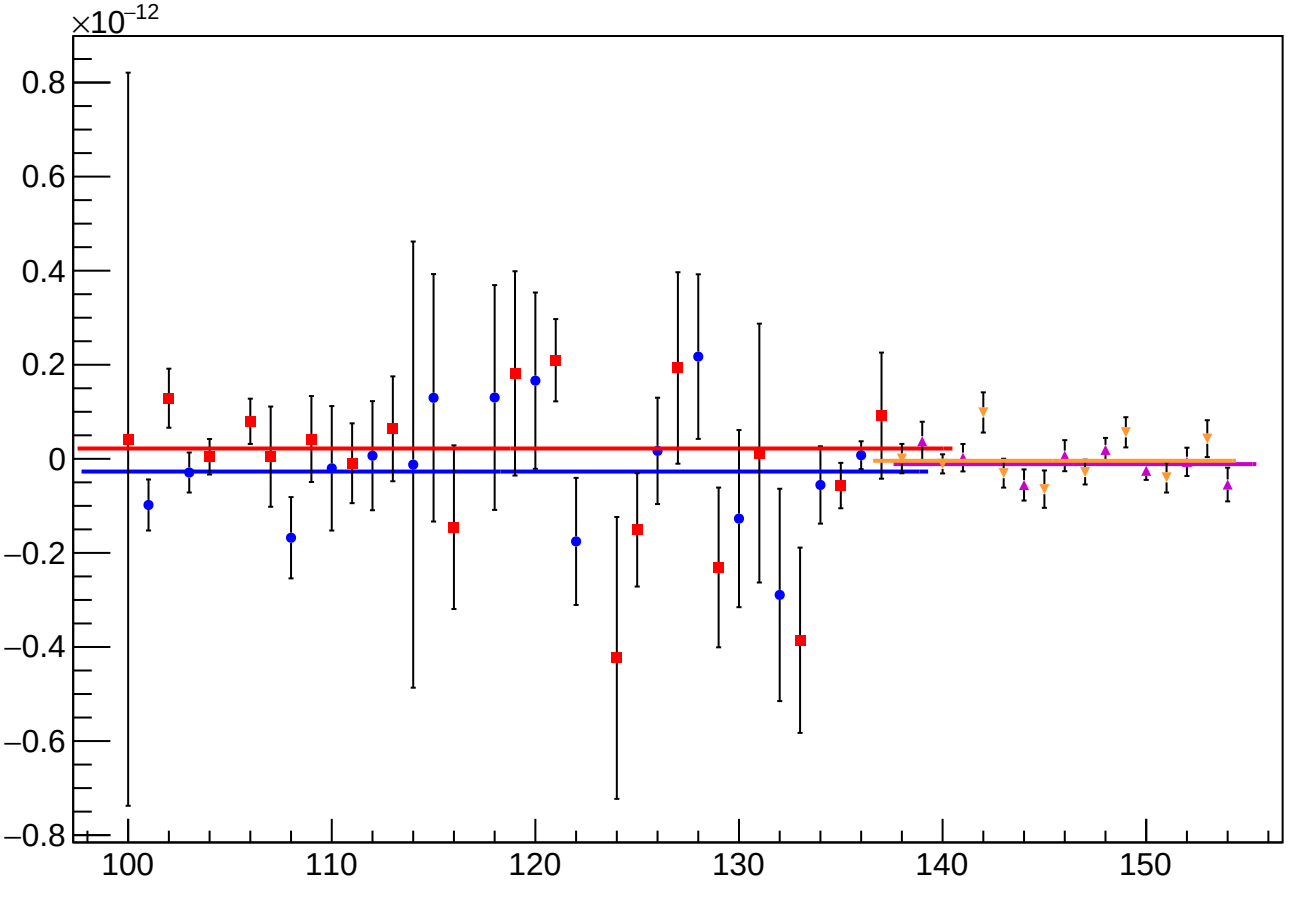
Left: 1904.222+/-0.360 χ^2/NDF: 149254.0/16

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1916.042+/-0.364 χ^2/NDF:734183.4/23

Out: 1900.538+/-0.357 χ^2/NDF:298770.3/27

All: 1908.147+/-0.255 χ^2/NDF: 1033879.3/51



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:7.1/7

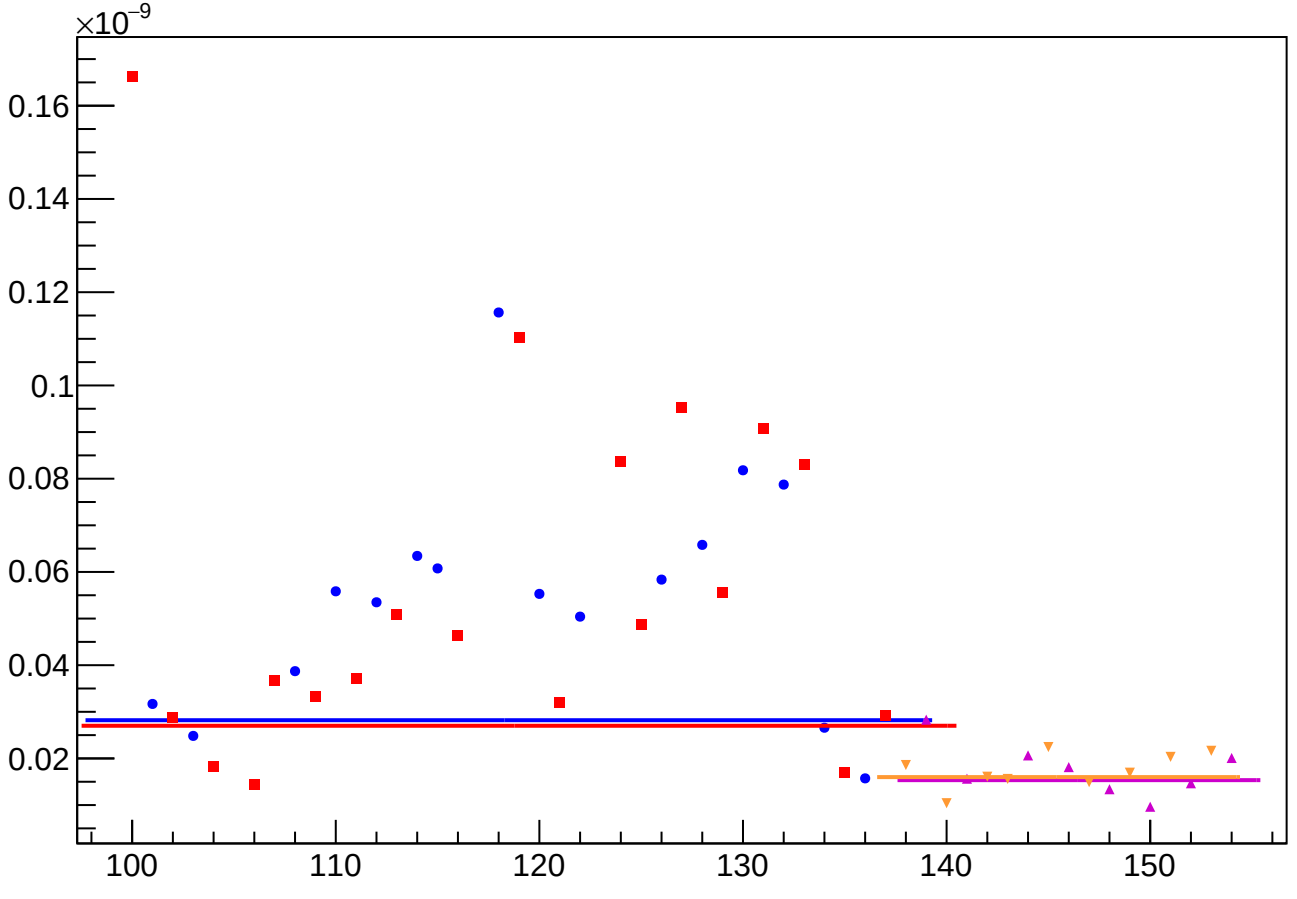
Left: -0.000+/-0.000 χ^2/NDF: 23.3/16

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:20.4/23

Out: 0.000+/-0.000 χ^2/NDF:42.8/27

All: -0.000+/-0.000 χ^2/NDF: 64.8/51



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:482885.0/7

Left: 0.000+/-0.000 χ^2/NDF: 788541.8/16

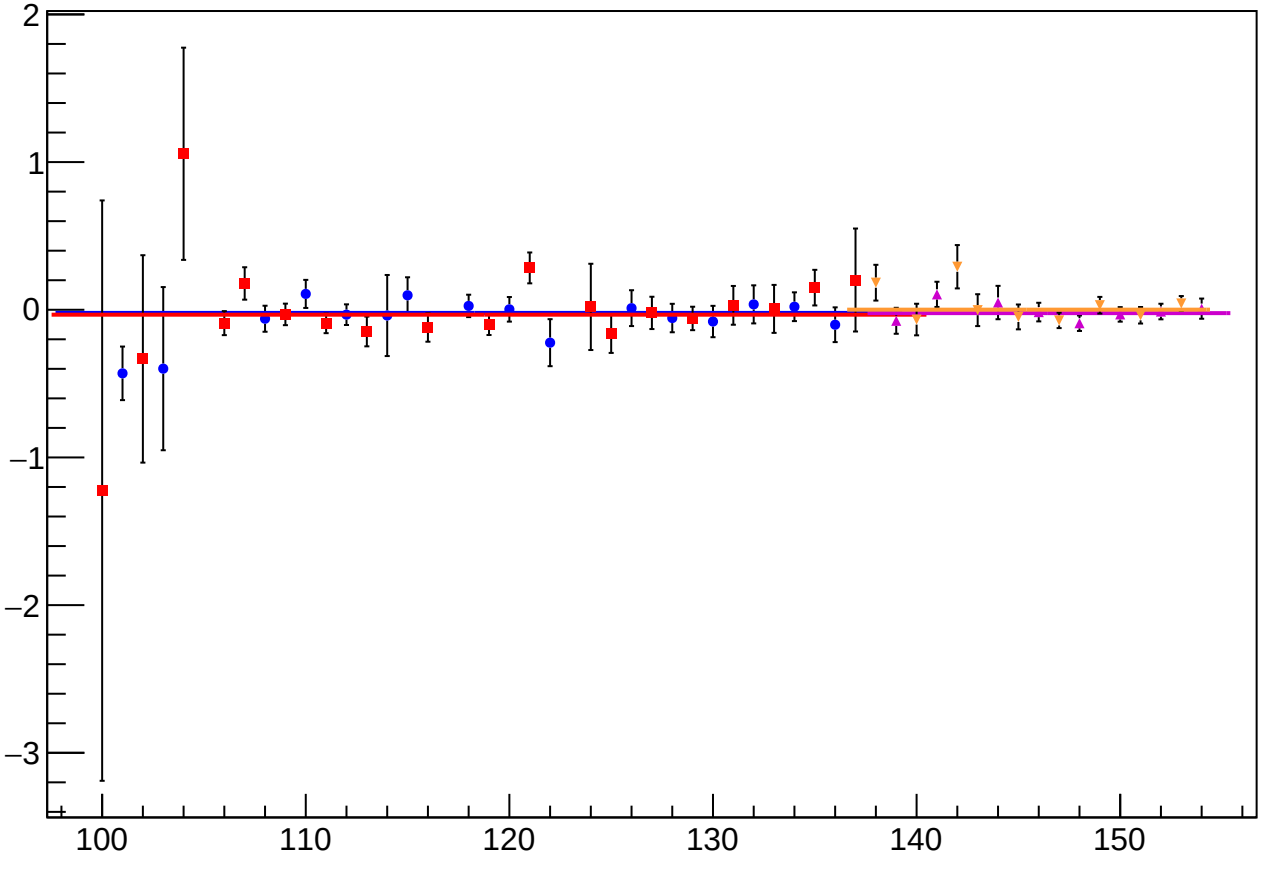
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:2675764.0/23

Out: 0.000+/-0.000 χ^2/NDF:2364920.7/27

All: 0.000+/-0.000 χ^2/NDF: 5041208.6/51

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.3/8

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.023+/-0.023 χ^2/NDF:5.0/7

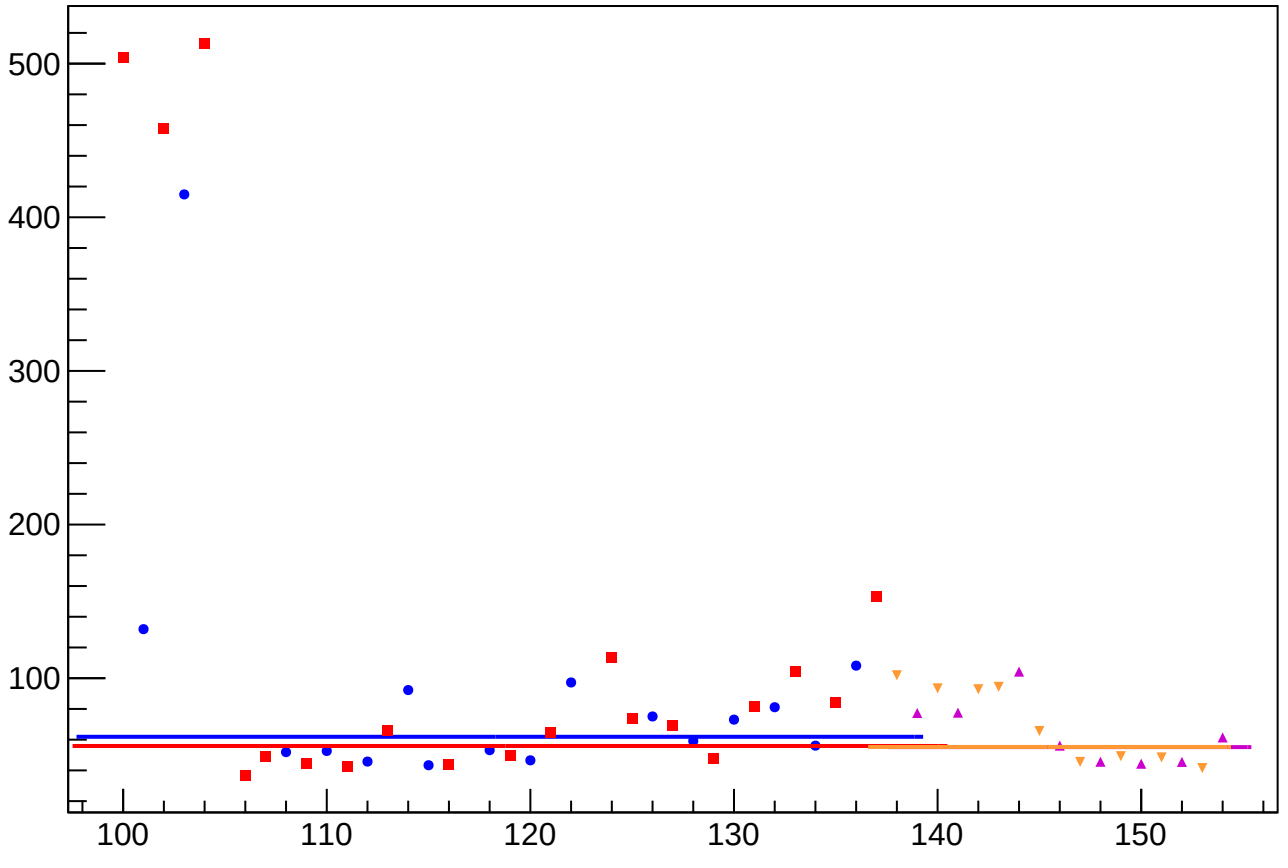
Left: -0.011+/-0.016 χ^2/NDF: 15.8/16

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.022+/-0.017 χ^2/NDF:17.0/23

Out: -0.015+/-0.017 χ^2/NDF:35.7/27

All: -0.019+/-0.012 χ^2/NDF: 52.7/51



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: 55.161+/-0.016 χ^2/NDF:890358.5/7

Left: 55.205+/-0.012 χ^2/NDF: 2137675.4/16

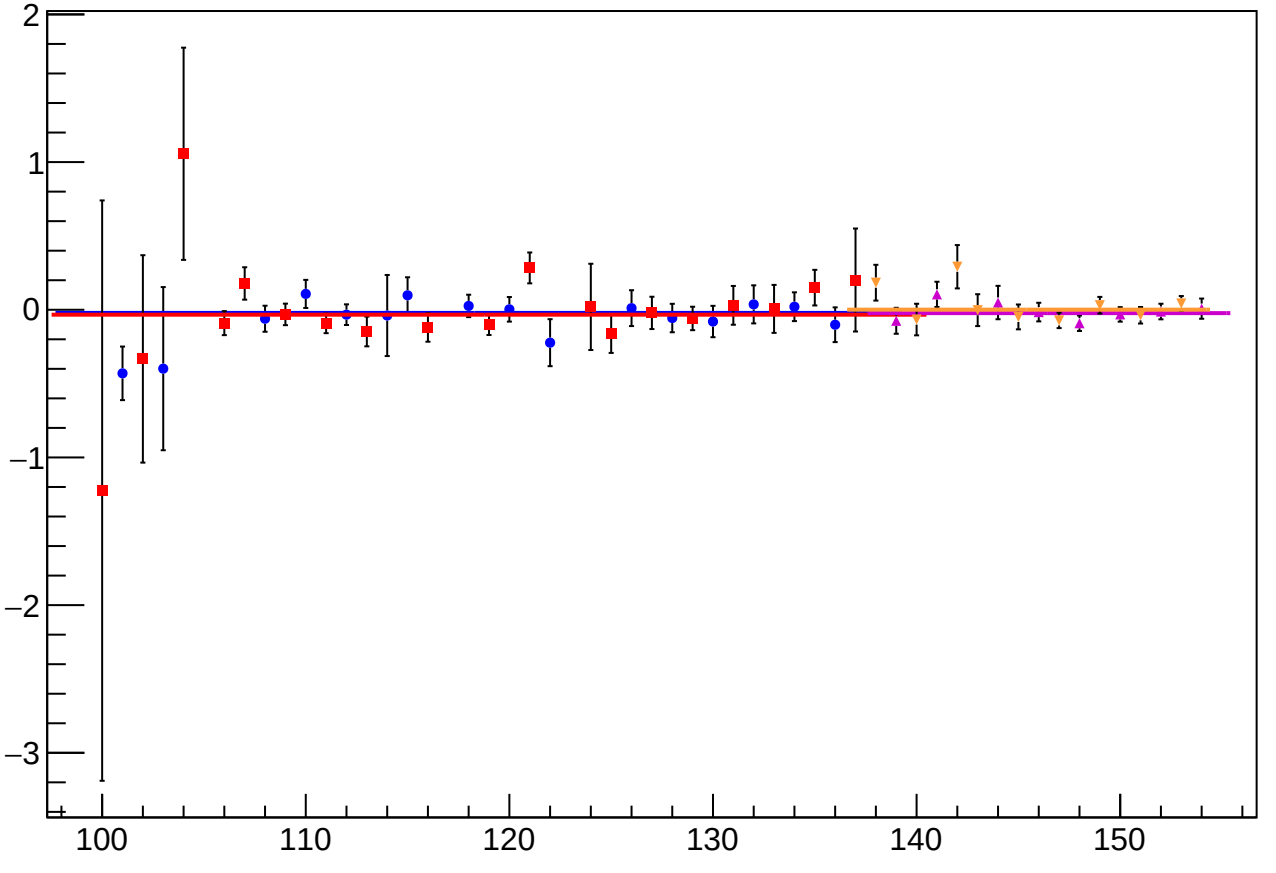
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.990+/-0.012 χ^2/NDF:2902303.4/23

Out: 55.554+/-0.012 χ^2/NDF:3839276.5/27

All: 56.752+/-0.009 χ^2/NDF: 6761890.1/51

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: -0.023+/-0.023 χ^2/NDF:5.0/7

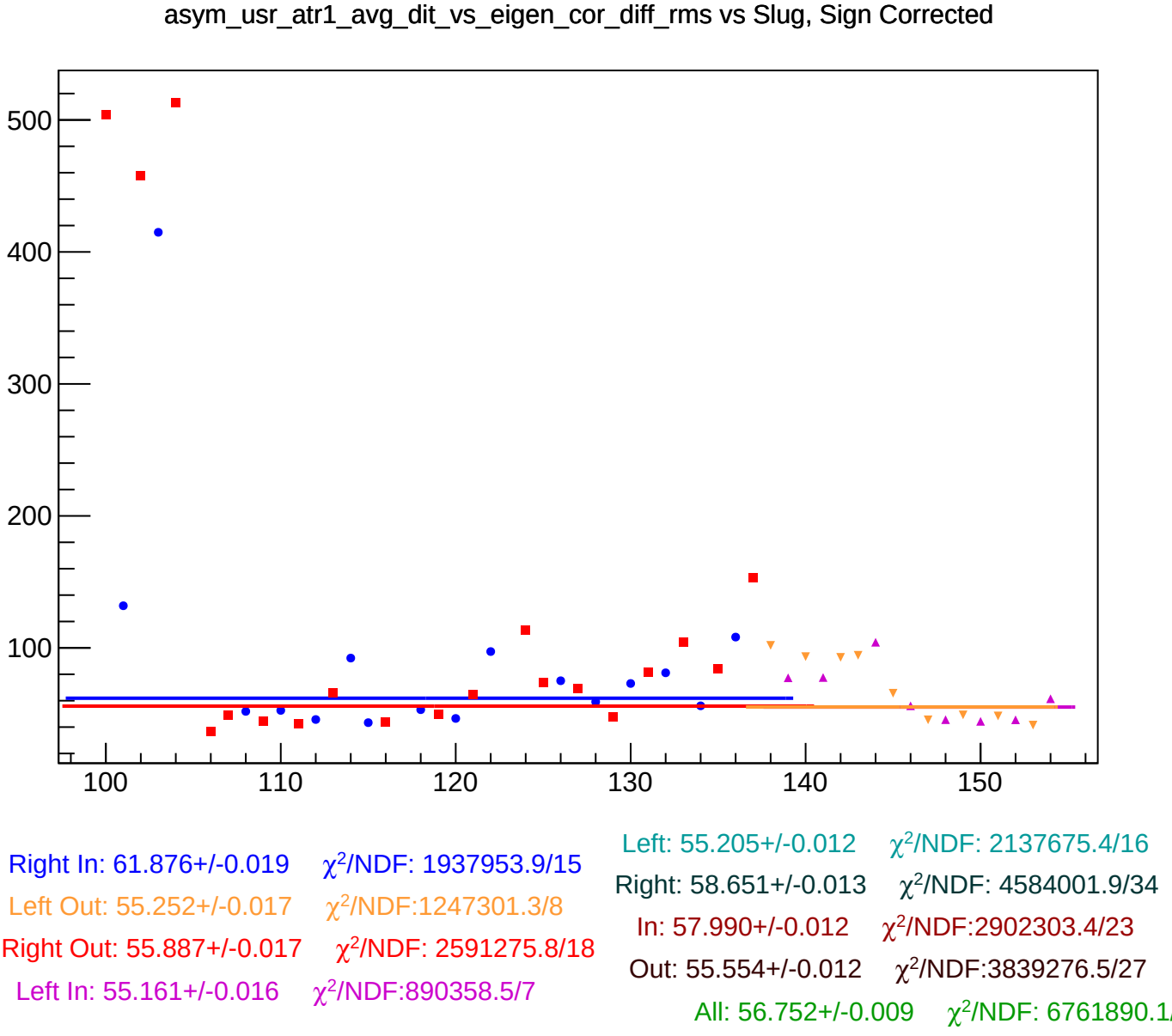
Left: -0.011+/-0.016 χ^2/NDF: 15.8/16

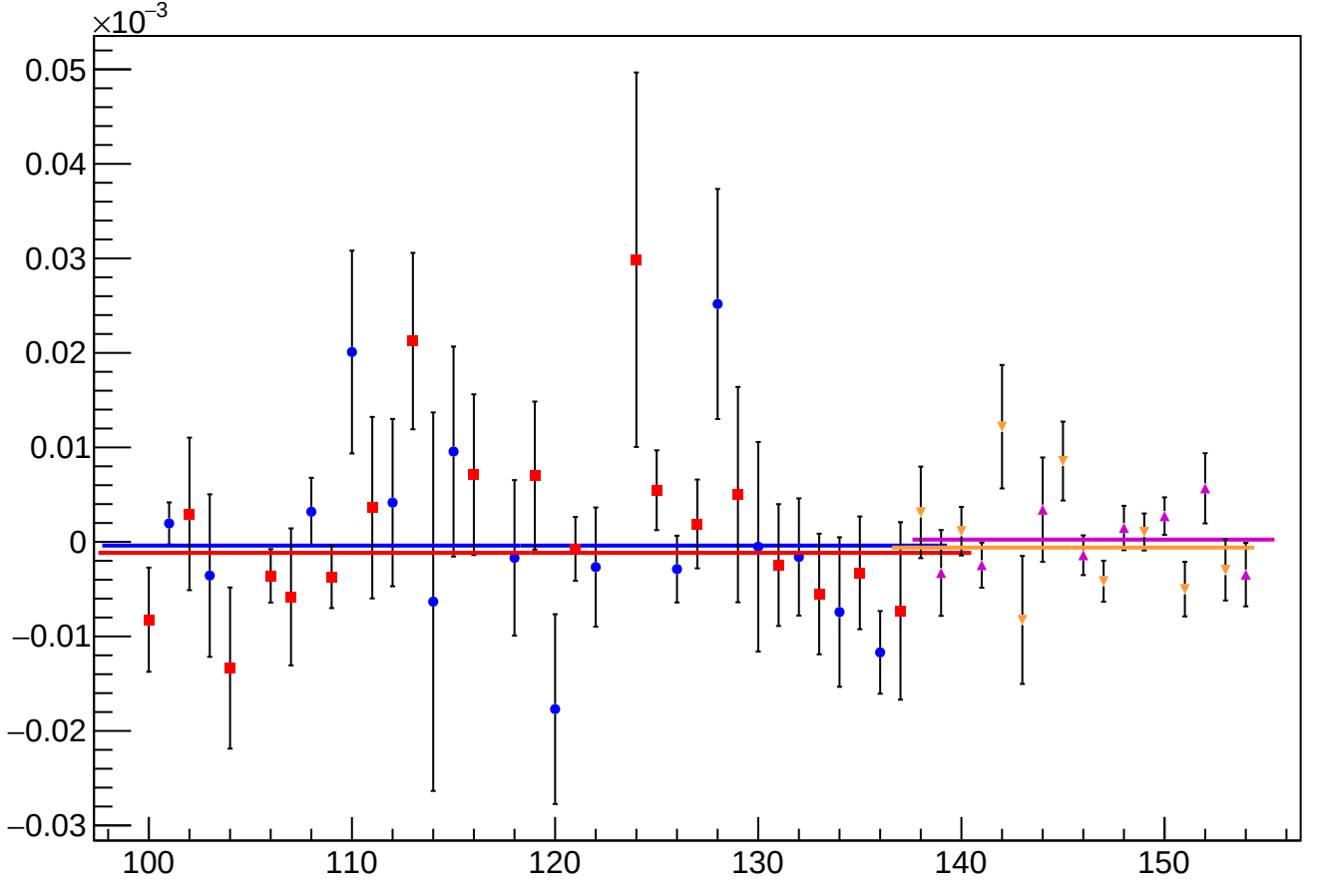
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.022+/-0.017 χ^2/NDF:17.0/23

Out: -0.015+/-0.017 χ^2/NDF:35.7/27

All: -0.019+/-0.012 χ^2/NDF: 52.7/51


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
Right In: 61.876+/-0.019 χ2/NDF: 1937953.9/15
Left Out: 55.252+/-0.017 χ2/NDF:1247301.3/8
Right Out: 55.887+/-0.017 χ2/NDF: 2591275.8/18
Left In: 55.161+/-0.016 χ2/NDF:890358.5/7
Left: 55.205+/-0.012 χ2/NDF: 2137675.4/16
Right: 58.651+/-0.013 χ2/NDF: 4584001.9/34
In: 57.990+/-0.012 χ2/NDF:2902303.4/23
Out: 55.554+/-0.012 χ2/NDF:3839276.5/27
All: 56.752+/-0.009 χ2/NDF: 6761890.1/51



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:8.0/7

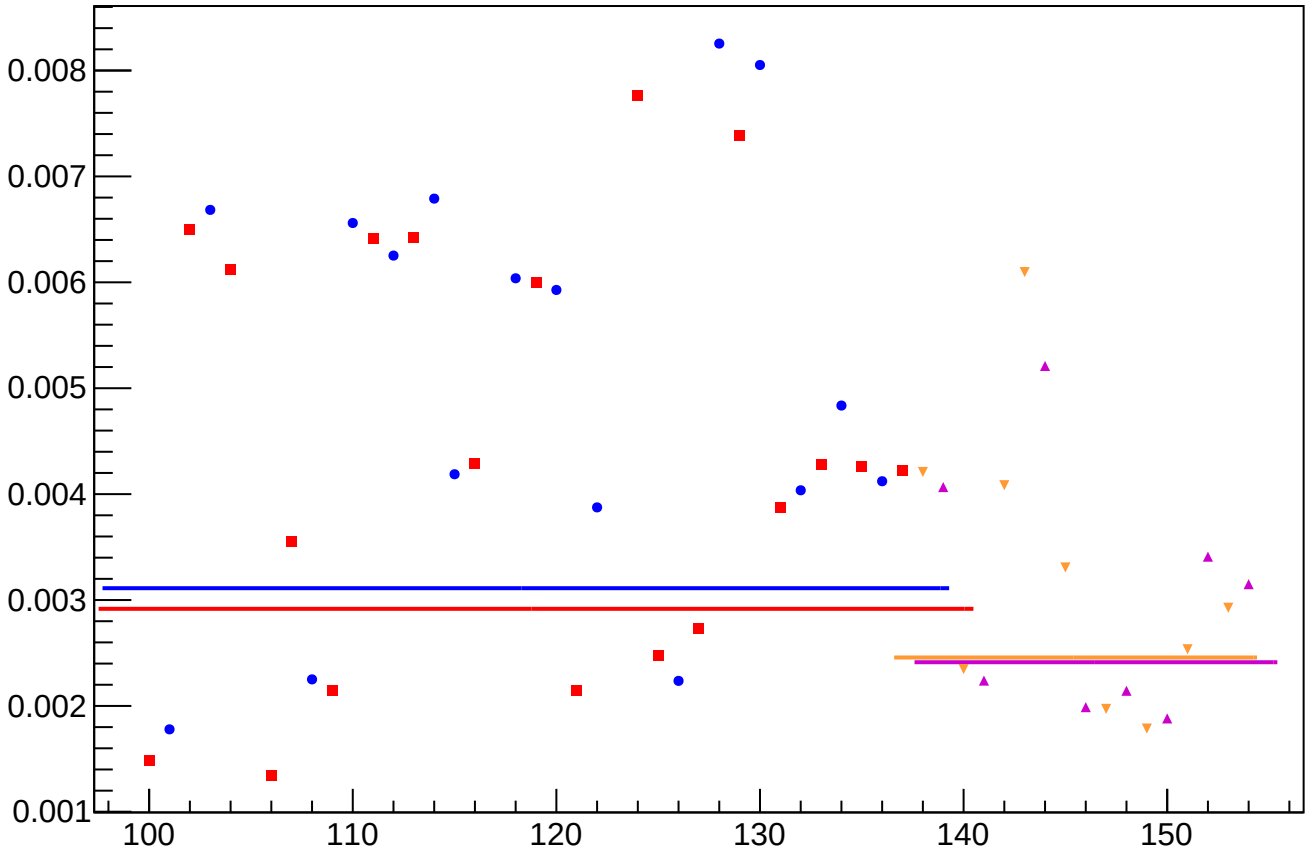
Left: -0.000+/-0.000 χ^2/NDF: 25.6/16

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:30.7/23

Out: -0.000+/-0.000 χ^2/NDF:37.8/27

All: -0.000+/-0.000 χ^2/NDF: 69.1/51



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:1279900.3/7

Left: 0.002+/-0.000 χ^2/NDF: 2711701.5/16

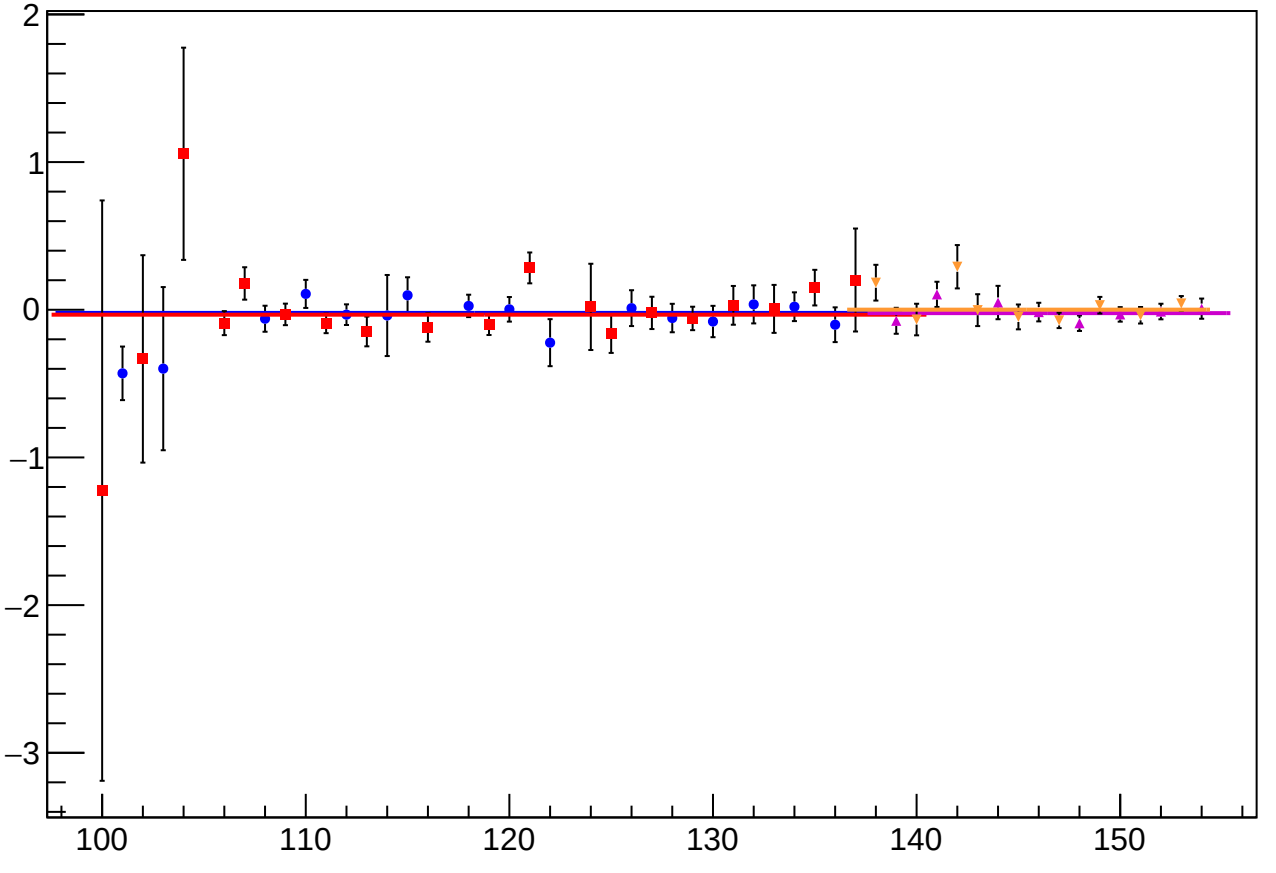
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:4925815.6/23

Out: 0.003+/-0.000 χ^2/NDF:4888883.0/27

All: 0.003+/-0.000 χ^2/NDF: 9815060.2/51

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: -0.023+/-0.023 χ^2/NDF:5.0/7

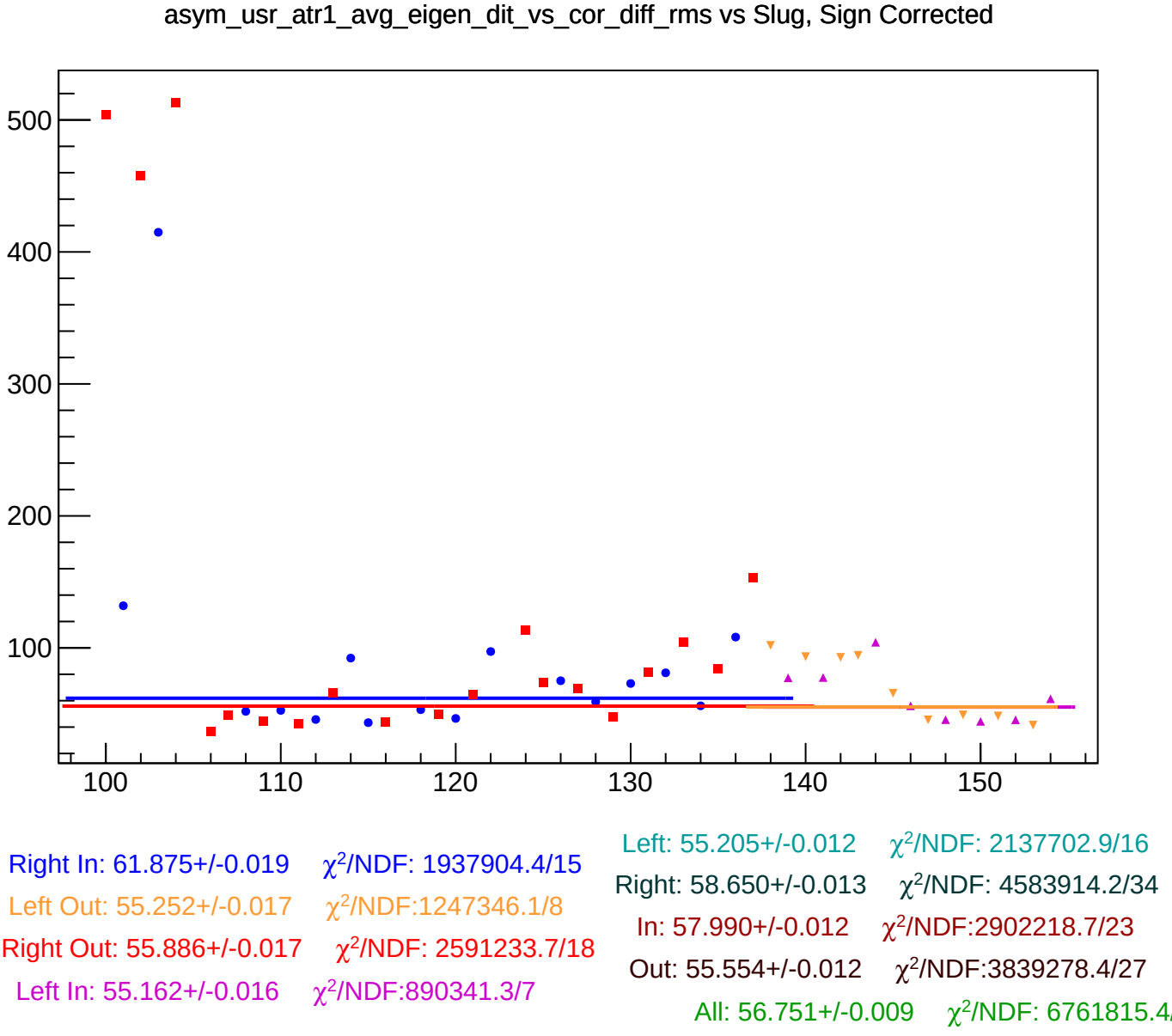
Left: -0.011+/-0.016 χ^2/NDF: 15.8/16

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

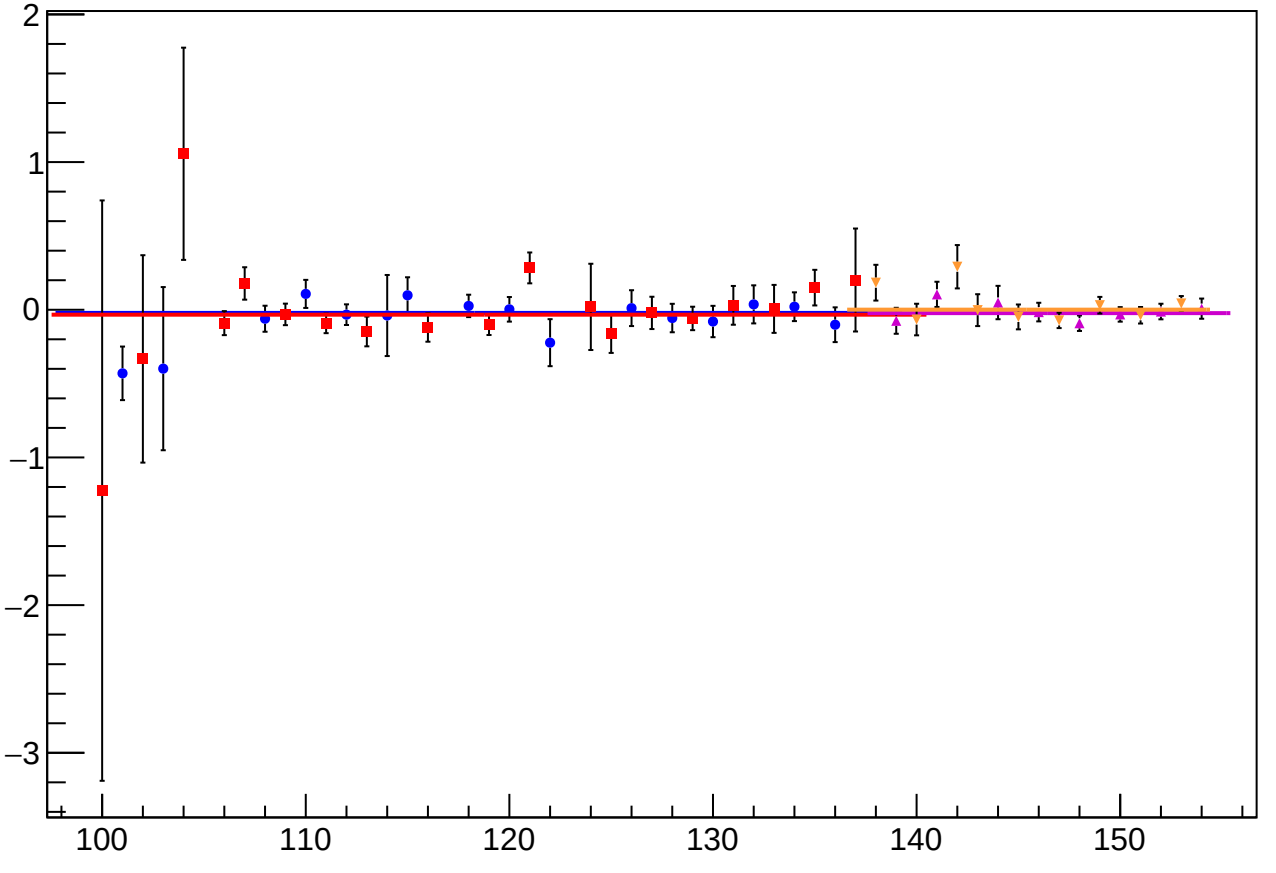
In: -0.022+/-0.017 χ^2/NDF:17.0/23

Out: -0.015+/-0.017 χ^2/NDF:35.7/27

All: -0.019+/-0.012 χ^2/NDF: 52.7/51


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
Right In: 61.875+/-0.019 χ²/NDF: 1937904.4/15
Left Out: 55.252+/-0.017 χ²/NDF:1247346.1/8
Right Out: 55.886+/-0.017 χ²/NDF: 2591233.7/18
Left In: 55.162+/-0.016 χ²/NDF:890341.3/7
Left: 55.205+/-0.012 χ²/NDF: 2137702.9/16
Right: 58.650+/-0.013 χ²/NDF: 4583914.2/34
In: 57.990+/-0.012 χ²/NDF:2902218.7/23
Out: 55.554+/-0.012 χ²/NDF:3839278.4/27
All: 56.751+/-0.009 χ²/NDF: 6761815.4/51

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.3/8

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.023+/-0.023 χ^2/NDF:5.0/7

Left: -0.011+/-0.016 χ^2/NDF: 15.8/16

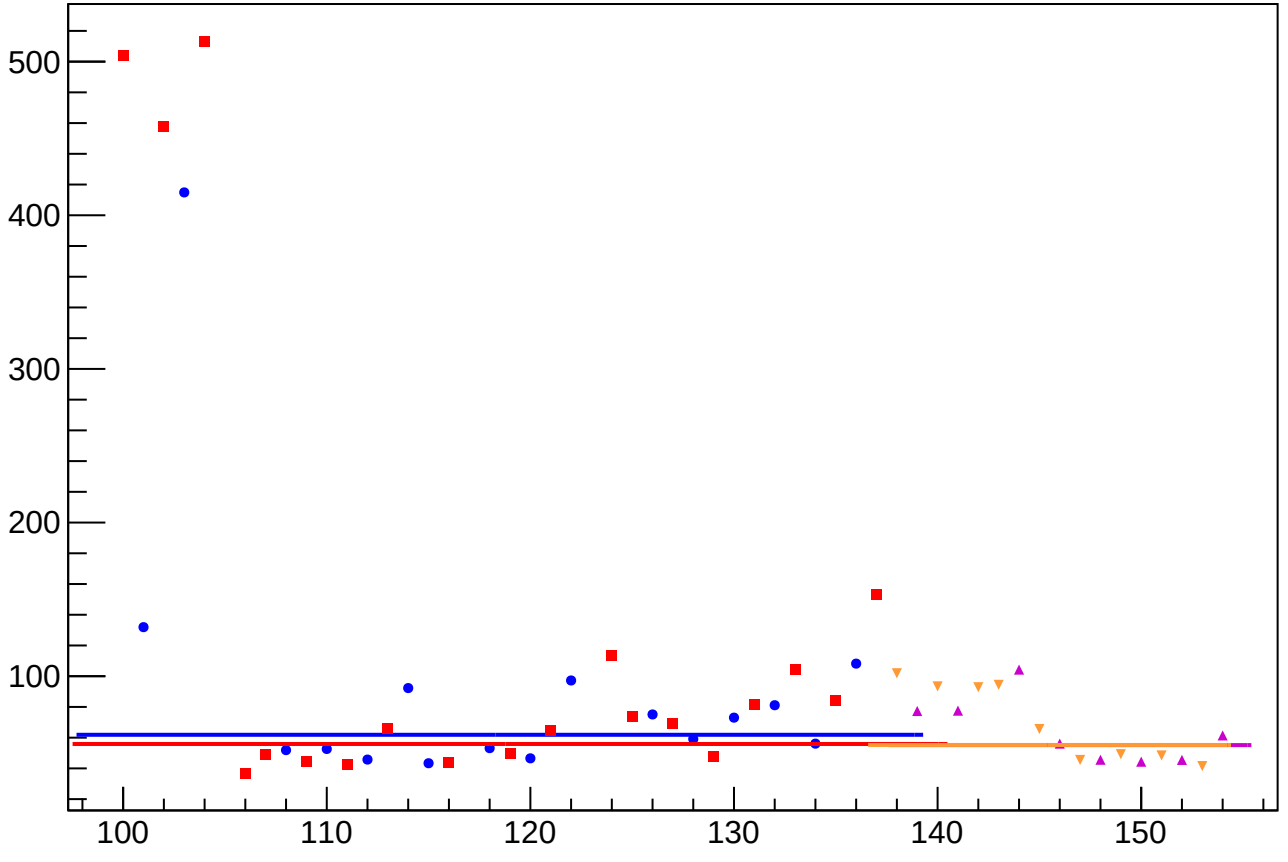
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.022+/-0.017 χ^2/NDF:17.0/23

Out: -0.015+/-0.017 χ^2/NDF:35.7/27

All: -0.019+/-0.012 χ^2/NDF: 52.7/51

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.252+/-0.017 χ^2/NDF:1247346.1/8

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.162+/-0.016 χ^2/NDF:890341.3/7

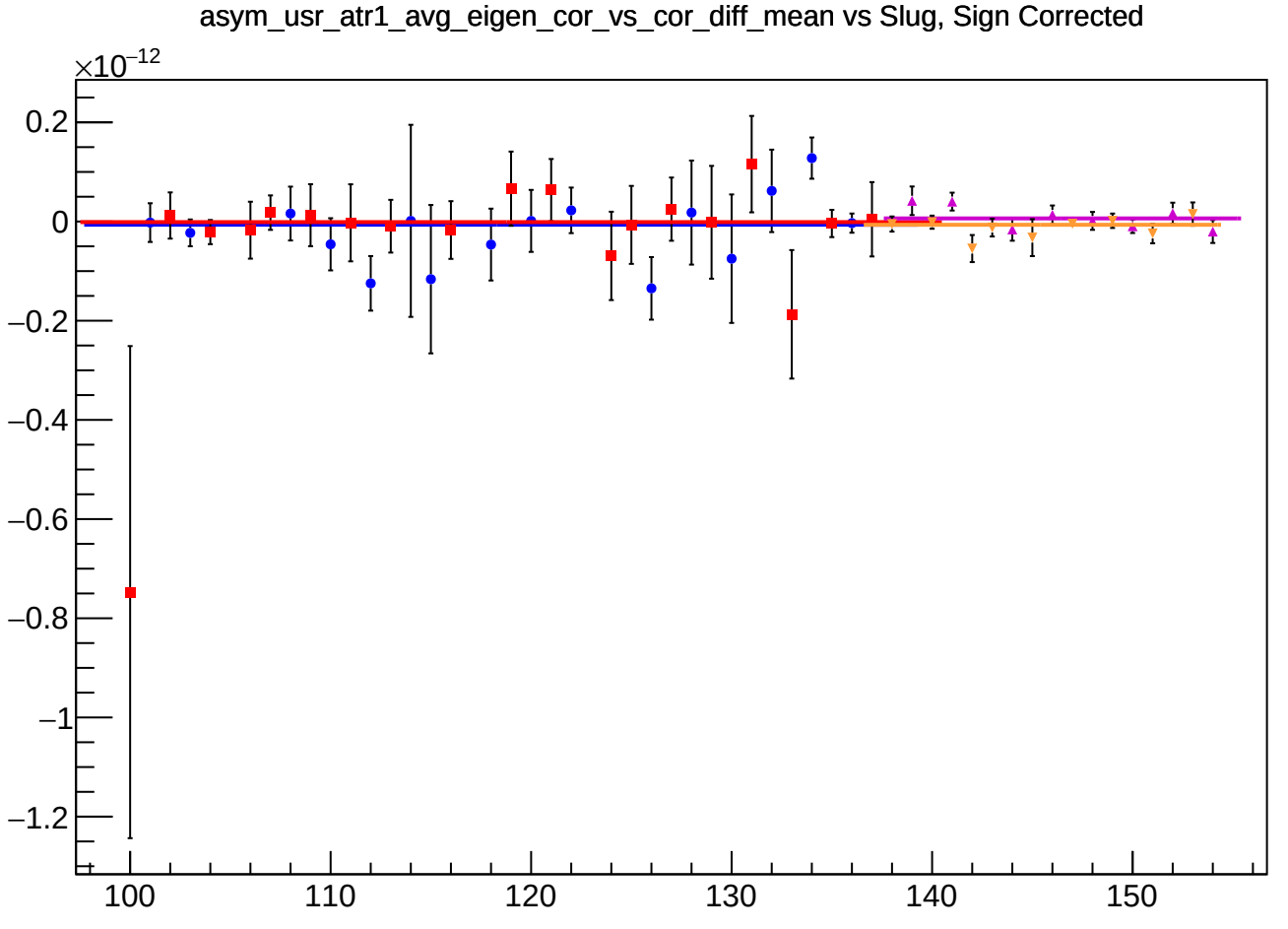
Left: 55.205+/-0.012 χ^2/NDF: 2137702.9/16

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.990+/-0.012 χ^2/NDF:2902218.7/23

Out: 55.554+/-0.012 χ^2/NDF:3839278.4/27

All: 56.751+/-0.009 χ^2/NDF: 6761815.4/51



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:9.1/7

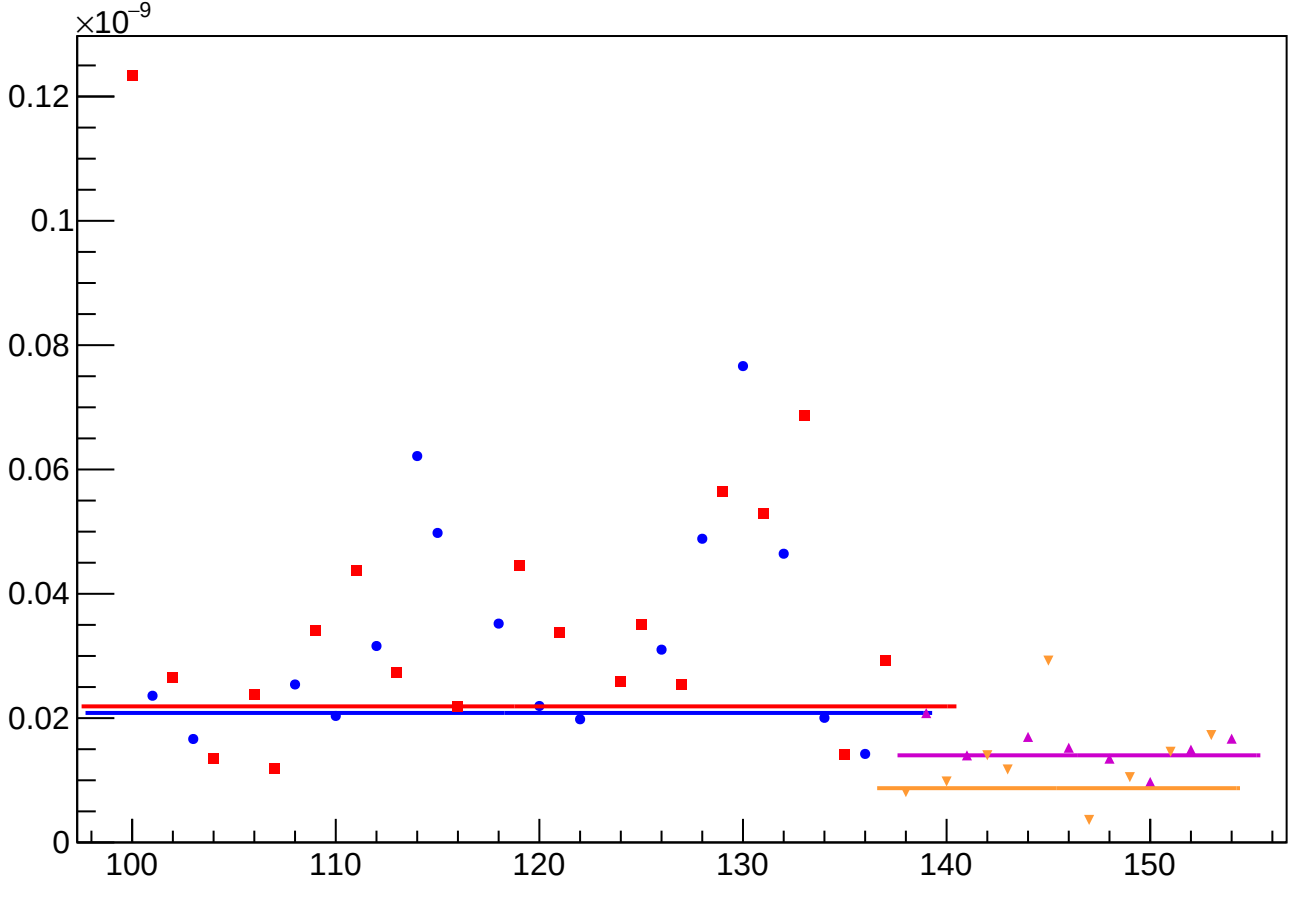
Left: -0.000+/-0.000 χ^2/NDF: 17.2/16

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:32.6/23

Out: -0.000+/-0.000 χ^2/NDF:15.7/27

All: -0.000+/-0.000 χ^2/NDF: 49.7/51



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:381127.9/7

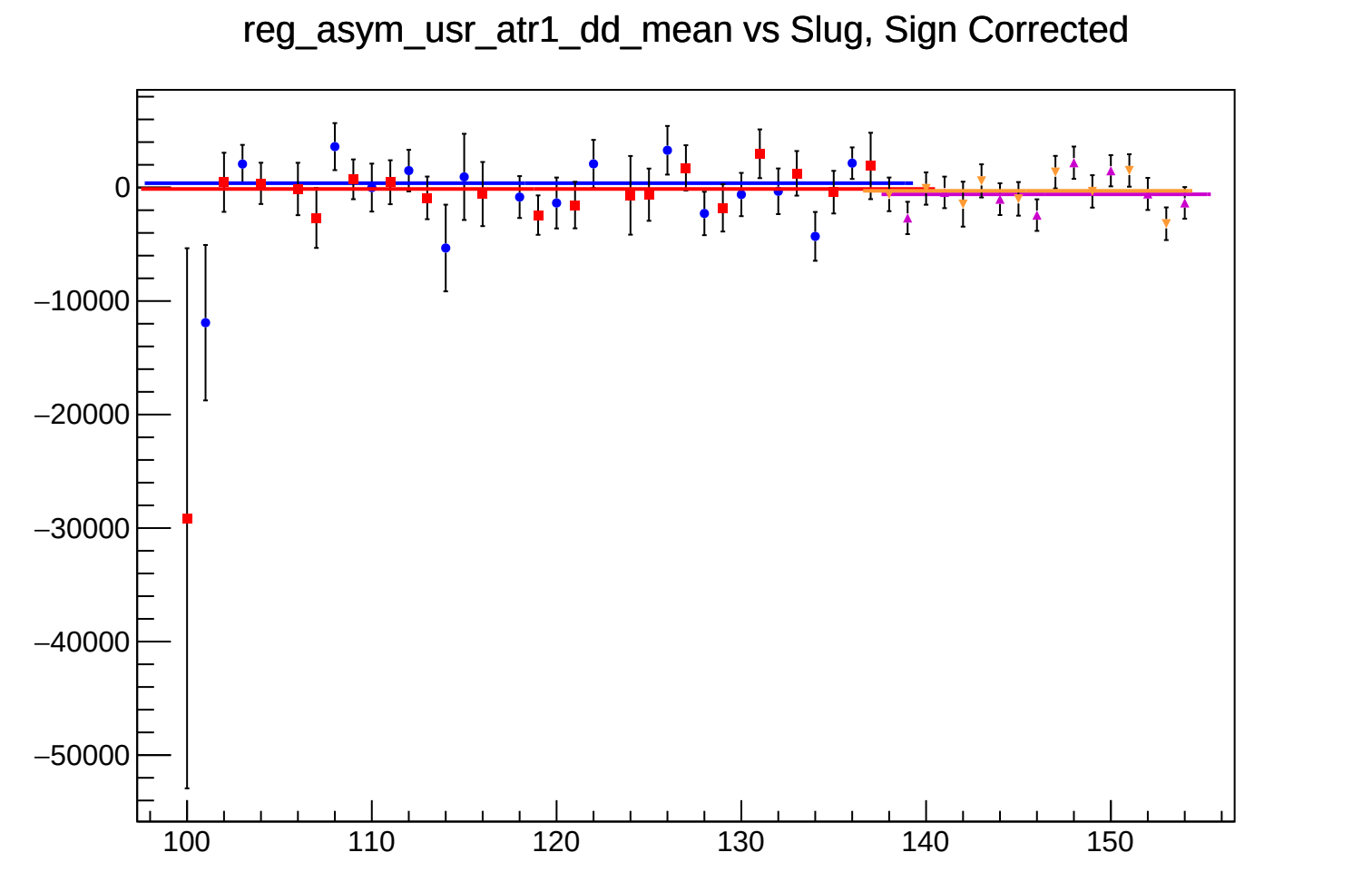
Left: 0.000+/-0.000 χ^2/NDF: 3127428.6/16

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2300667.4/23

Out: 0.000+/-0.000 χ^2/NDF:5948791.1/27

All: 0.000+/-0.000 χ^2/NDF: 9170767.6/51



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -291.279+/-495.157 χ^2/NDF:8.0/8

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -598.229+/-495.360 χ^2/NDF:10.4/7

Left: -444.691+/-350.201 χ^2/NDF: 18.5/16

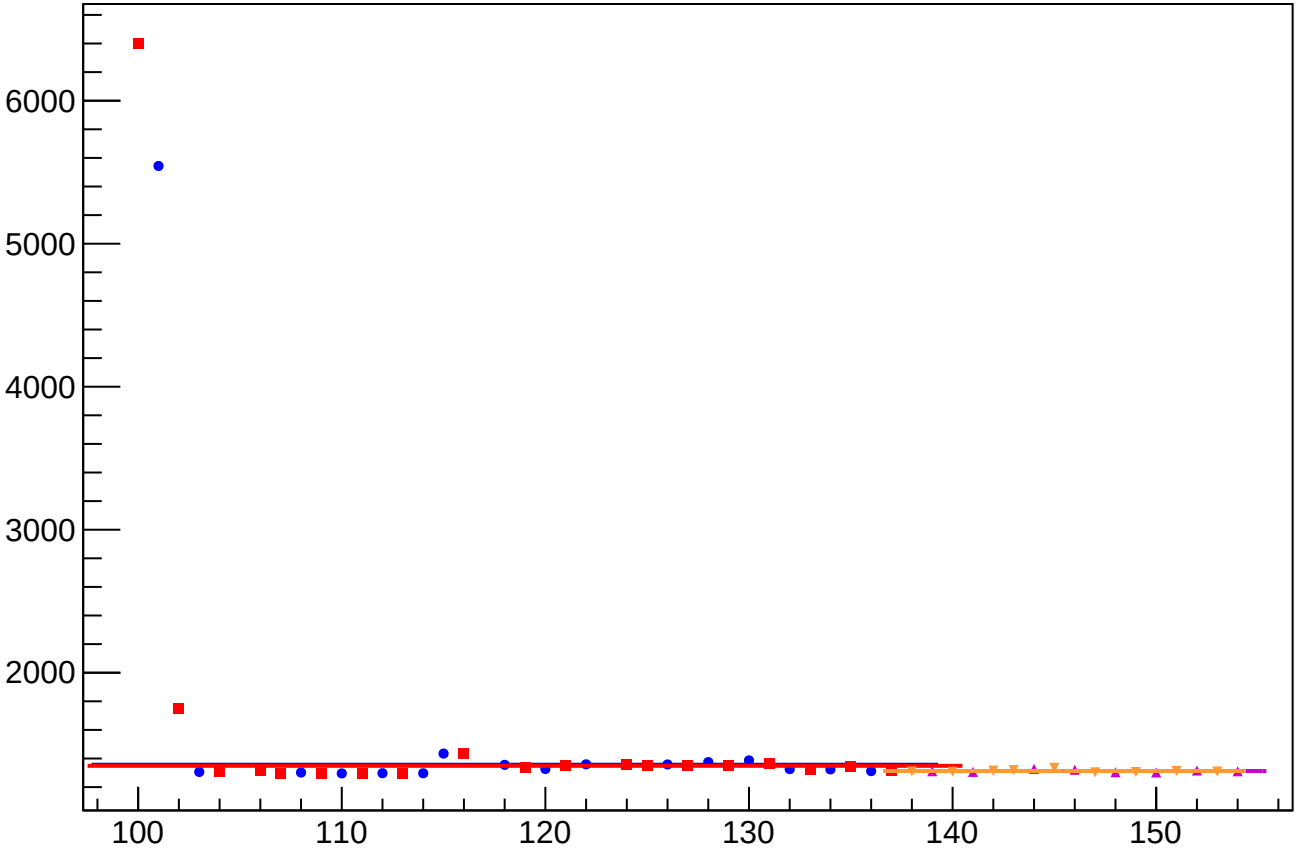
Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -130.089+/-357.939 χ^2/NDF:33.8/23

Out: -210.560+/-352.173 χ^2/NDF:18.0/27

All: -170.978+/-251.038 χ^2/NDF: 51.8/51

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: 1312.584+/-0.350 χ^2/NDF:540.5/7

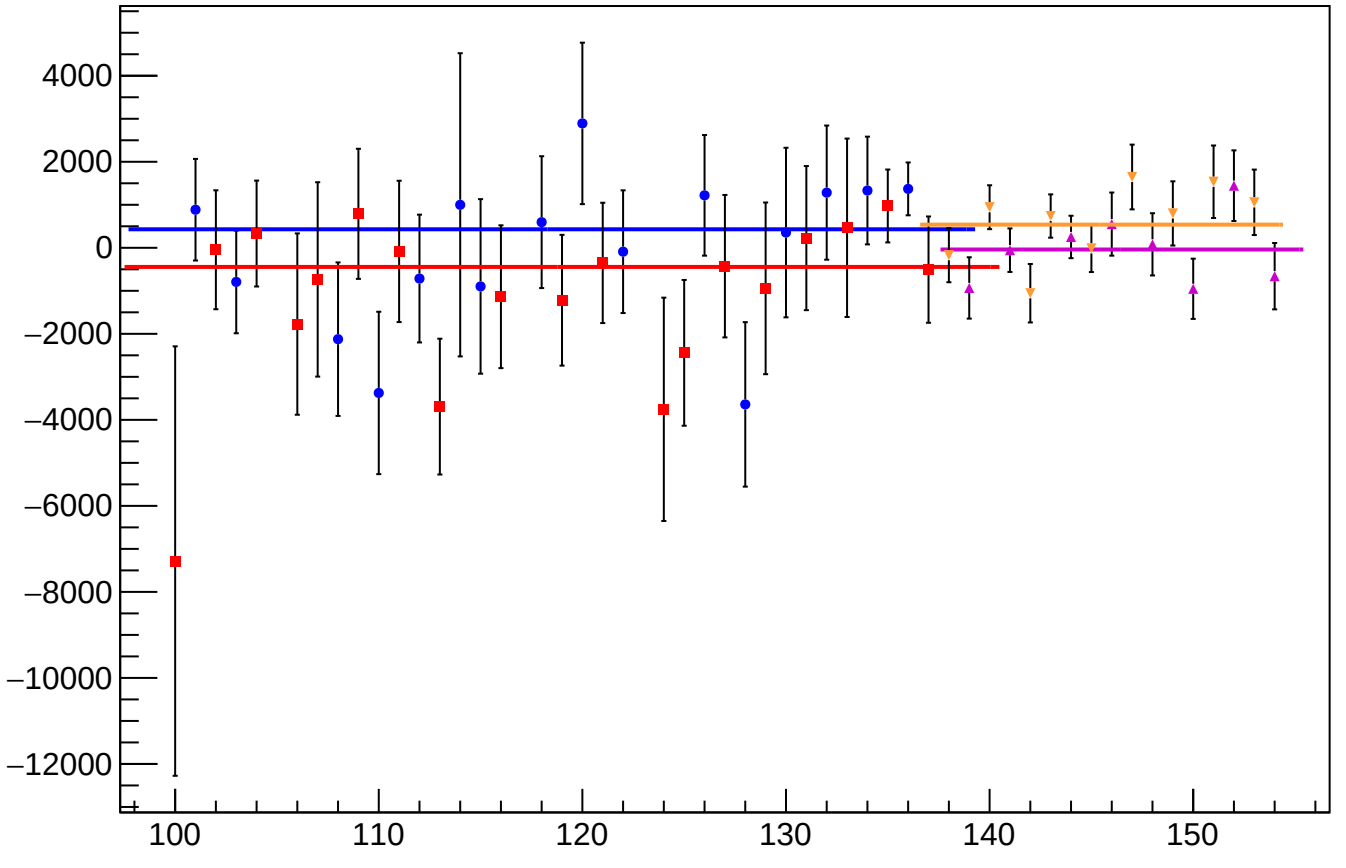
Left: 1312.620+/-0.248 χ^2/NDF: 1198.2/16

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1333.521+/-0.253 χ^2/NDF:768283.3/23

Out: 1330.602+/-0.249 χ^2/NDF:153240.4/27

All: 1332.038+/-0.178 χ^2/NDF: 921591.3/51



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 538.721+/-210.945 χ^2/NDF:12.7/8

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -39.342+/-229.697 χ^2/NDF:8.2/7

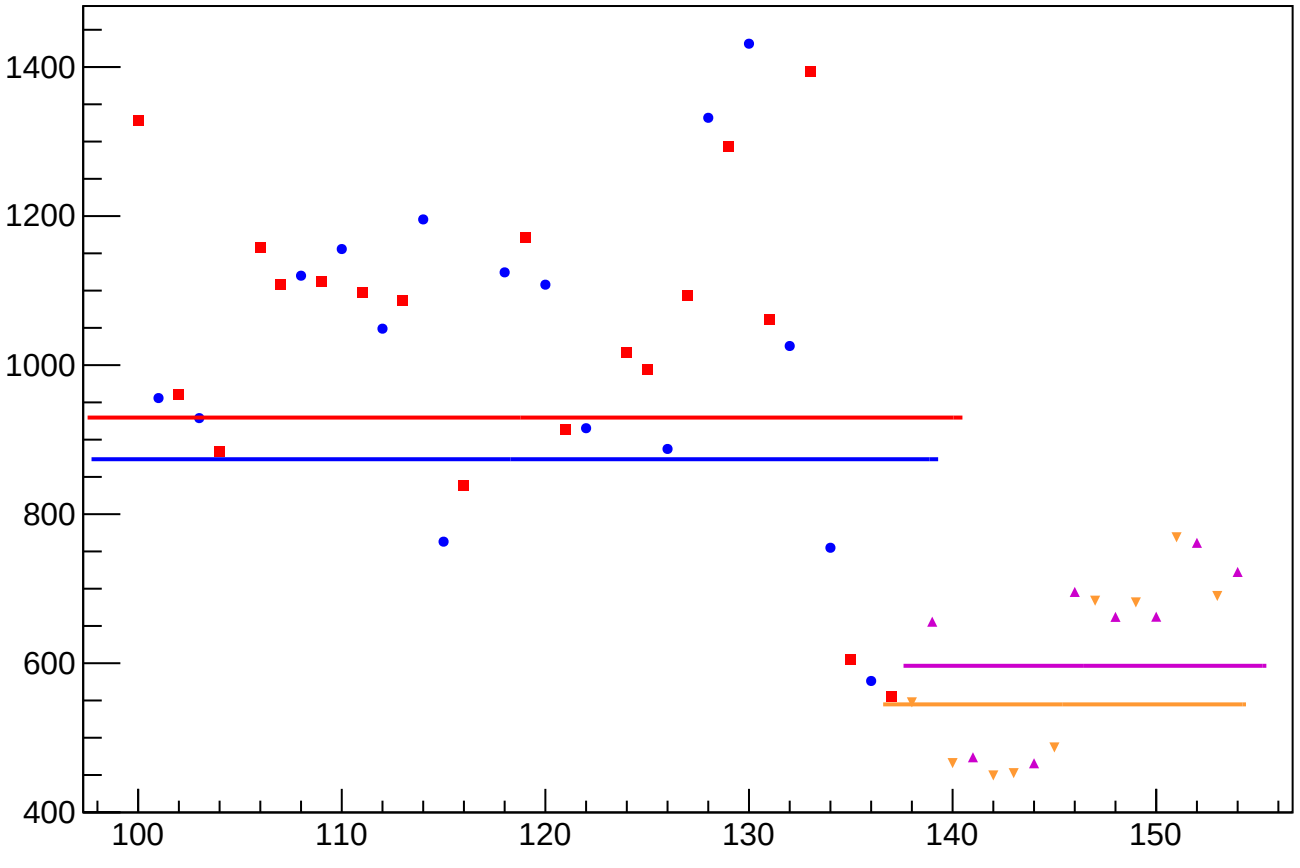
Left: 274.244+/-155.368 χ^2/NDF: 24.4/16

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 108.773+/-190.061 χ^2/NDF:27.8/23

Out: 282.769+/-181.425 χ^2/NDF:32.8/27

All: 199.814+/-131.234 χ^2/NDF: 61.0/51



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: 596.539+/-0.162 χ^2/NDF:476902.1/7

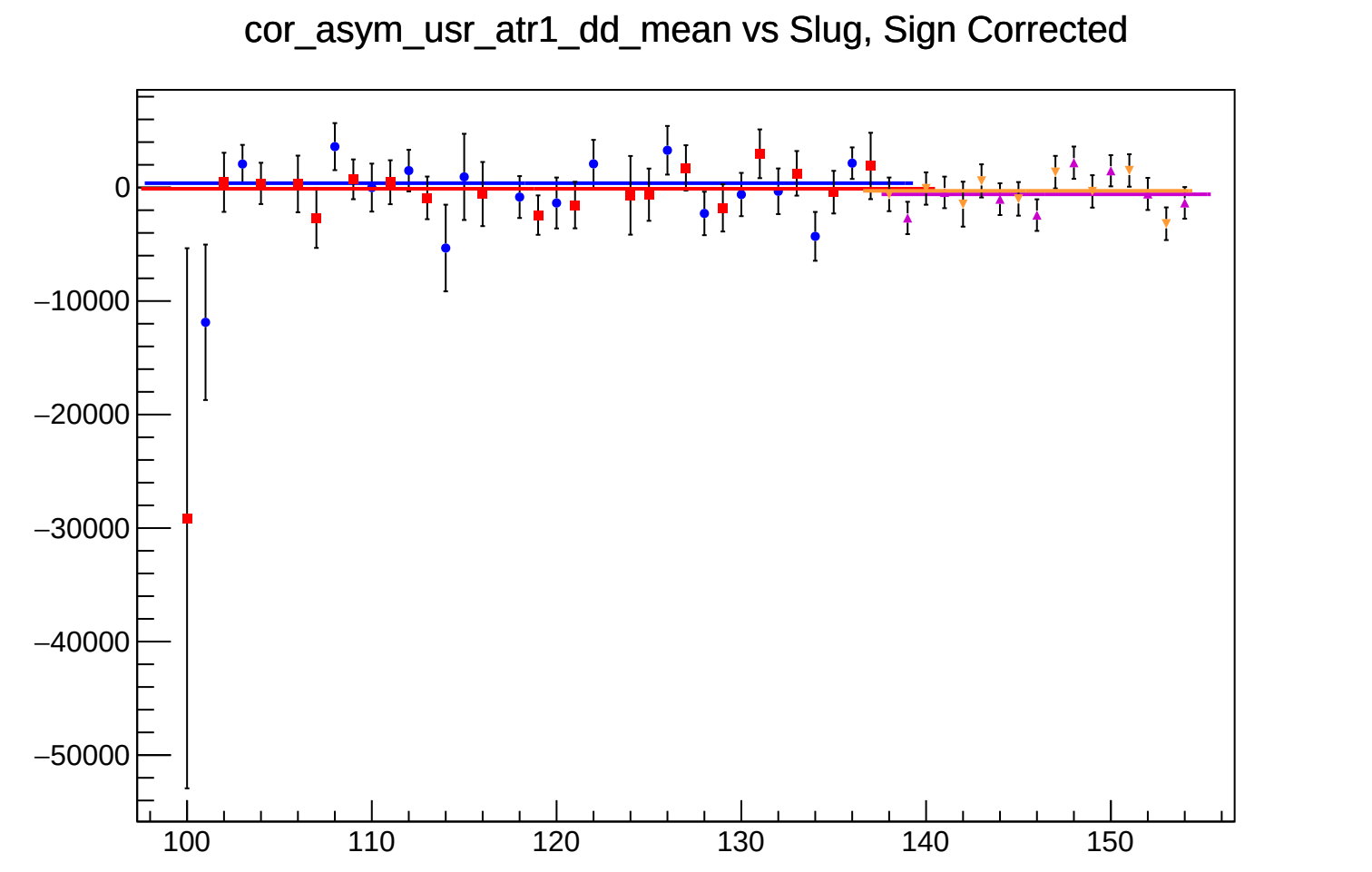
Left: 568.457+/-0.110 χ^2/NDF: 1058553.9/16

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 683.948+/-0.134 χ^2/NDF:2410227.1/23

Out: 644.955+/-0.128 χ^2/NDF:3119440.4/27

All: 663.545+/-0.093 χ^2/NDF: 5573715.0/51



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: -598.272+/-495.360 χ^2/NDF:10.4/7

Left: -444.733+/-350.201 χ^2/NDF: 18.5/16

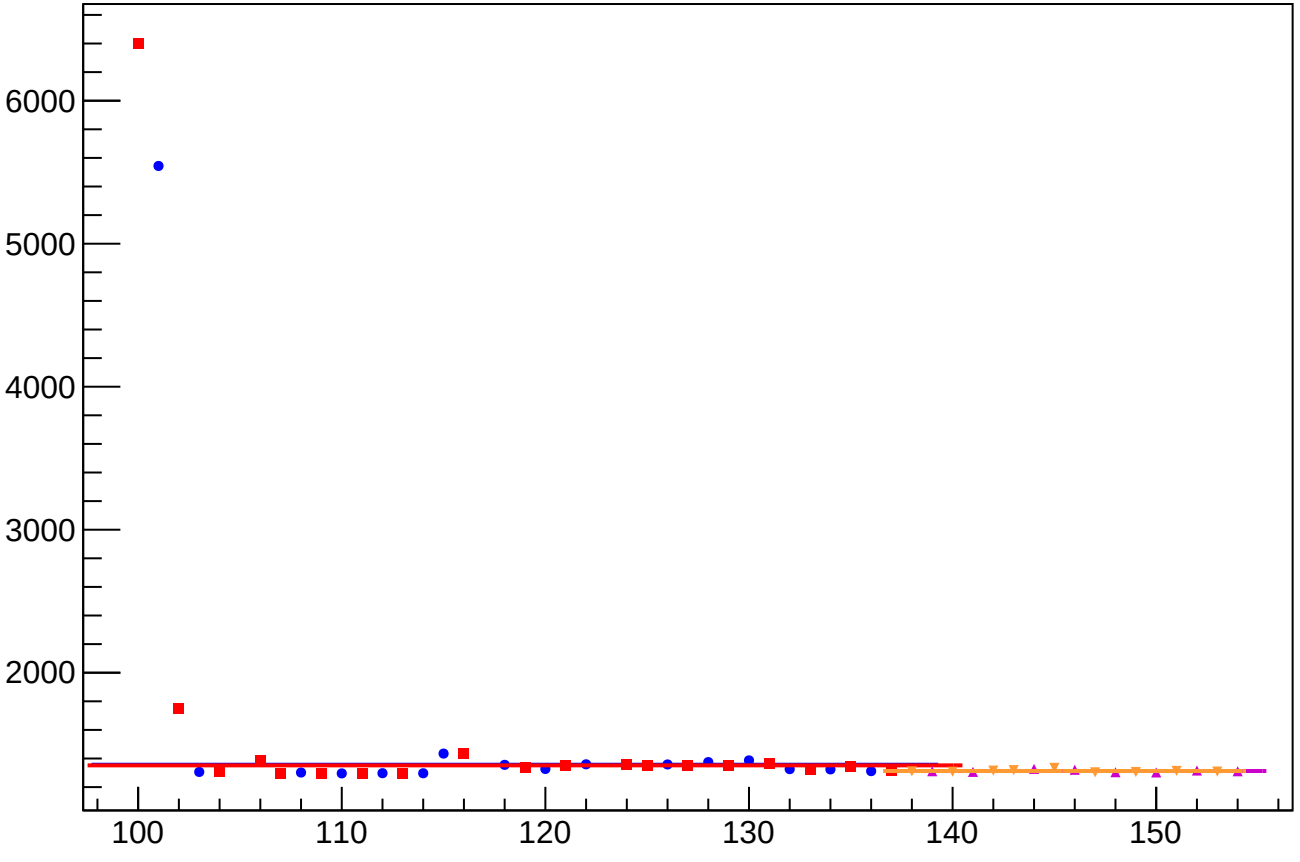
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -129.964+/-357.939 χ^2/NDF:33.8/23

Out: -202.168+/-352.765 χ^2/NDF:18.0/27

All: -166.592+/-251.252 χ^2/NDF: 51.8/51

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: 1312.585+/-0.350 χ^2/NDF:540.5/7

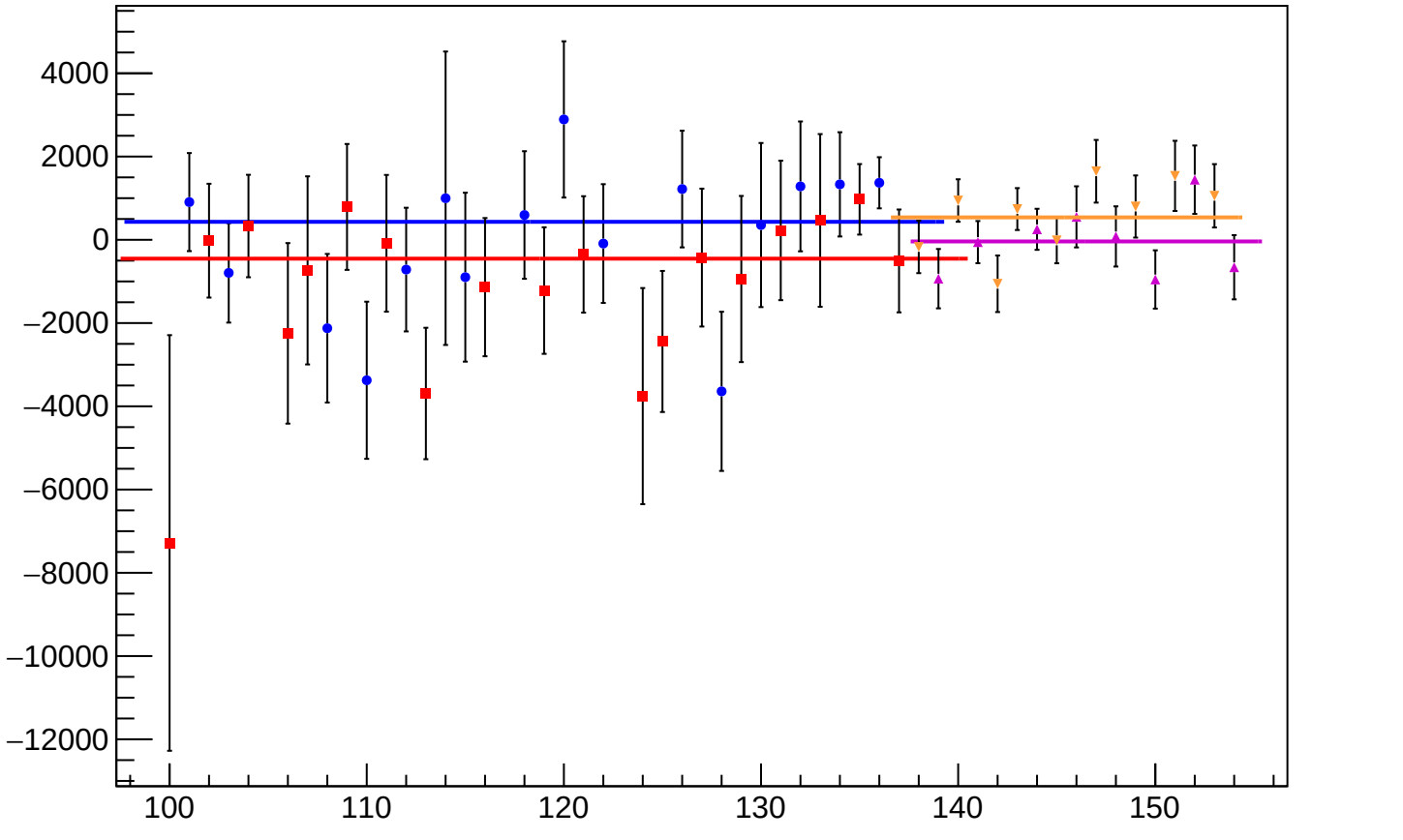
Left: 1312.620+/-0.248 χ^2/NDF: 1198.2/16

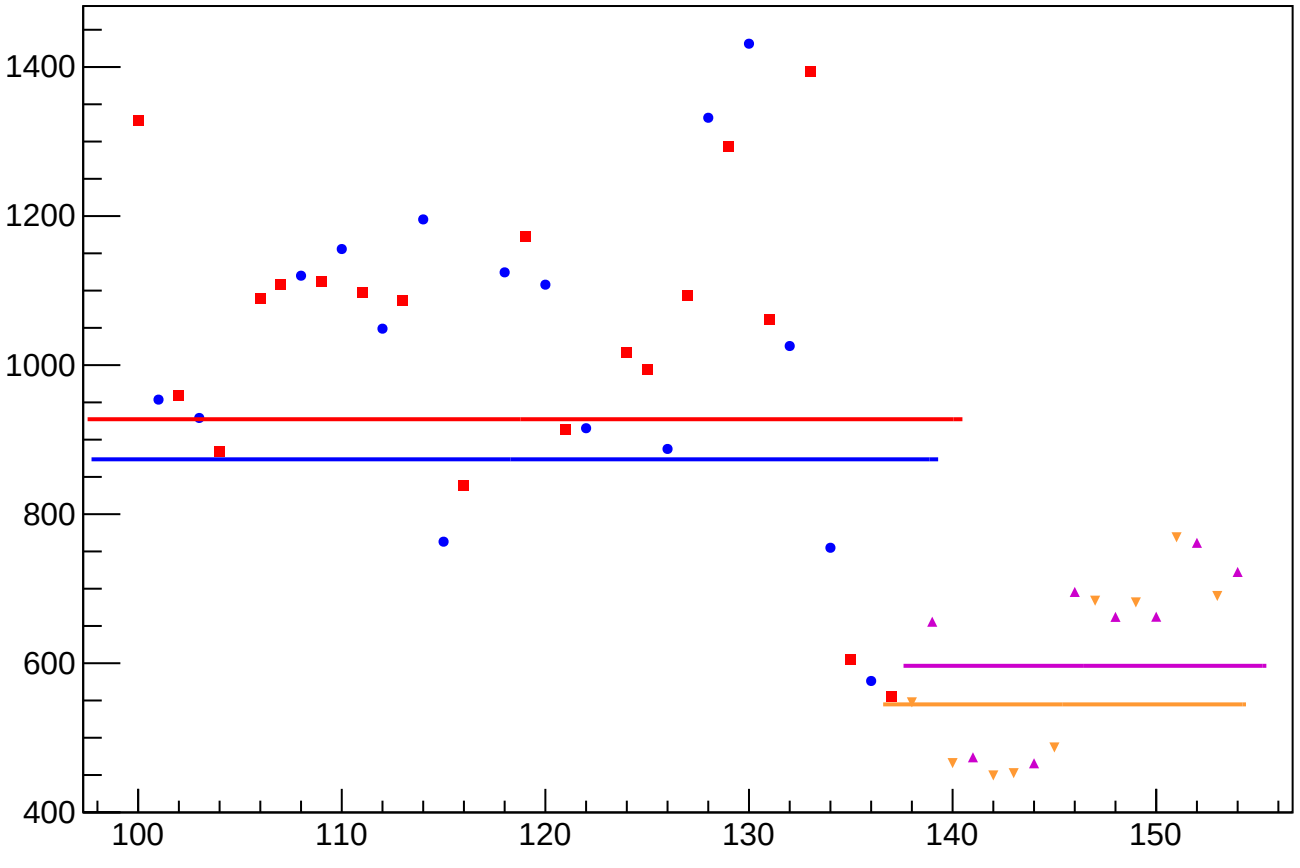
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1333.521+/-0.253 χ^2/NDF:768282.4/23

Out: 1332.071+/-0.249 χ^2/NDF:154228.9/27

All: 1332.786+/-0.178 χ^2/NDF: 922527.9/51


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
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: -39.289+/-229.694 χ²/NDF:8.2/7
Left: 274.228+/-155.367 χ²/NDF: 24.4/16
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 109.400+/-190.049 χ²/NDF:27.8/23
Out: 280.515+/-181.426 χ²/NDF:33.2/27
All: 198.928+/-131.230 χ²/NDF: 61.4/51



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: 596.529+/-0.162 χ^2/NDF:476946.0/7

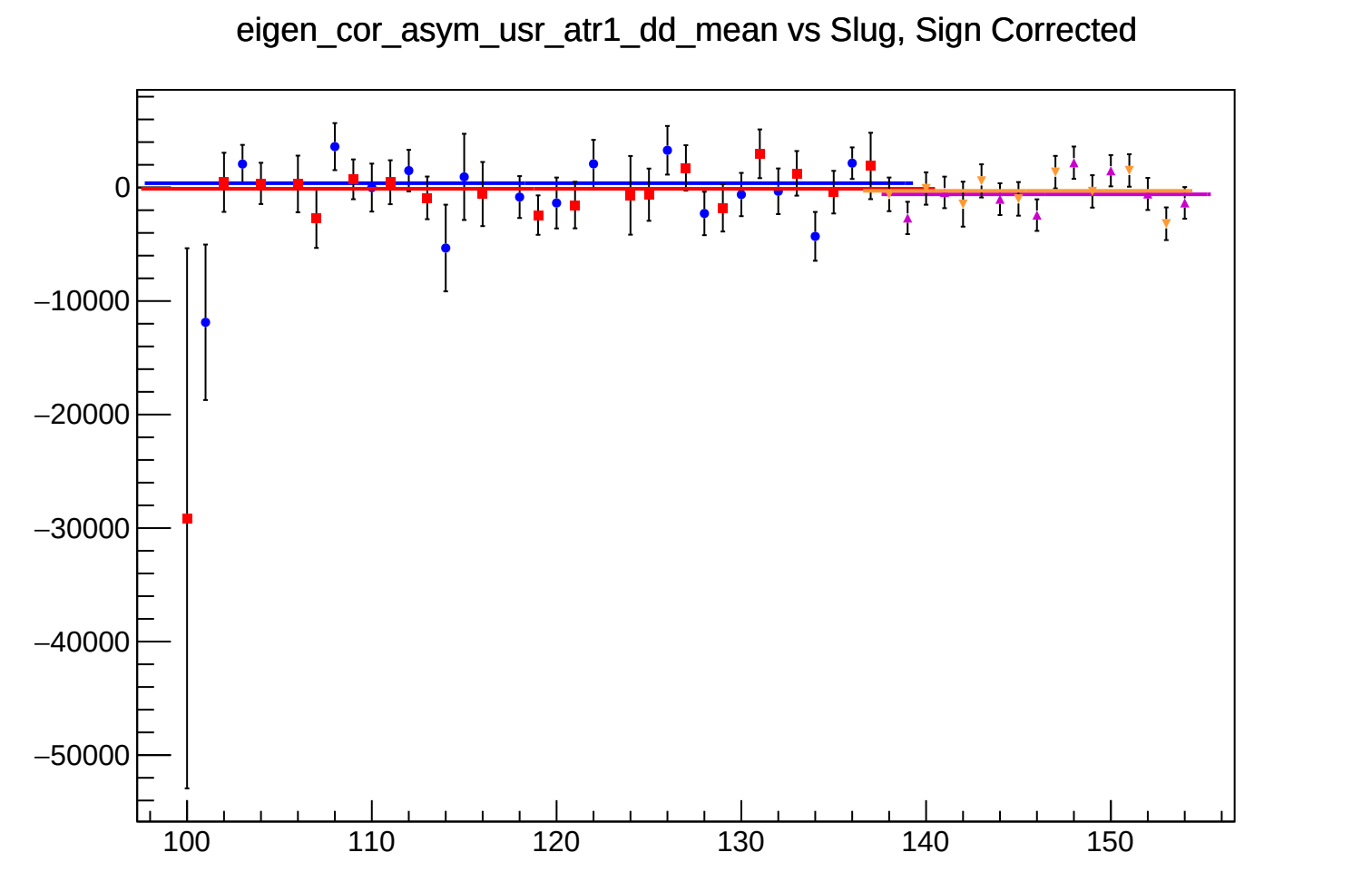
Left: 568.455+/-0.110 χ^2/NDF: 1058560.7/16

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.920+/-0.134 χ^2/NDF:2409256.6/23

Out: 644.376+/-0.128 χ^2/NDF:3086780.0/27

All: 663.231+/-0.093 χ^2/NDF: 5541339.7/51



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: -598.272+/-495.360 χ^2/NDF:10.4/7

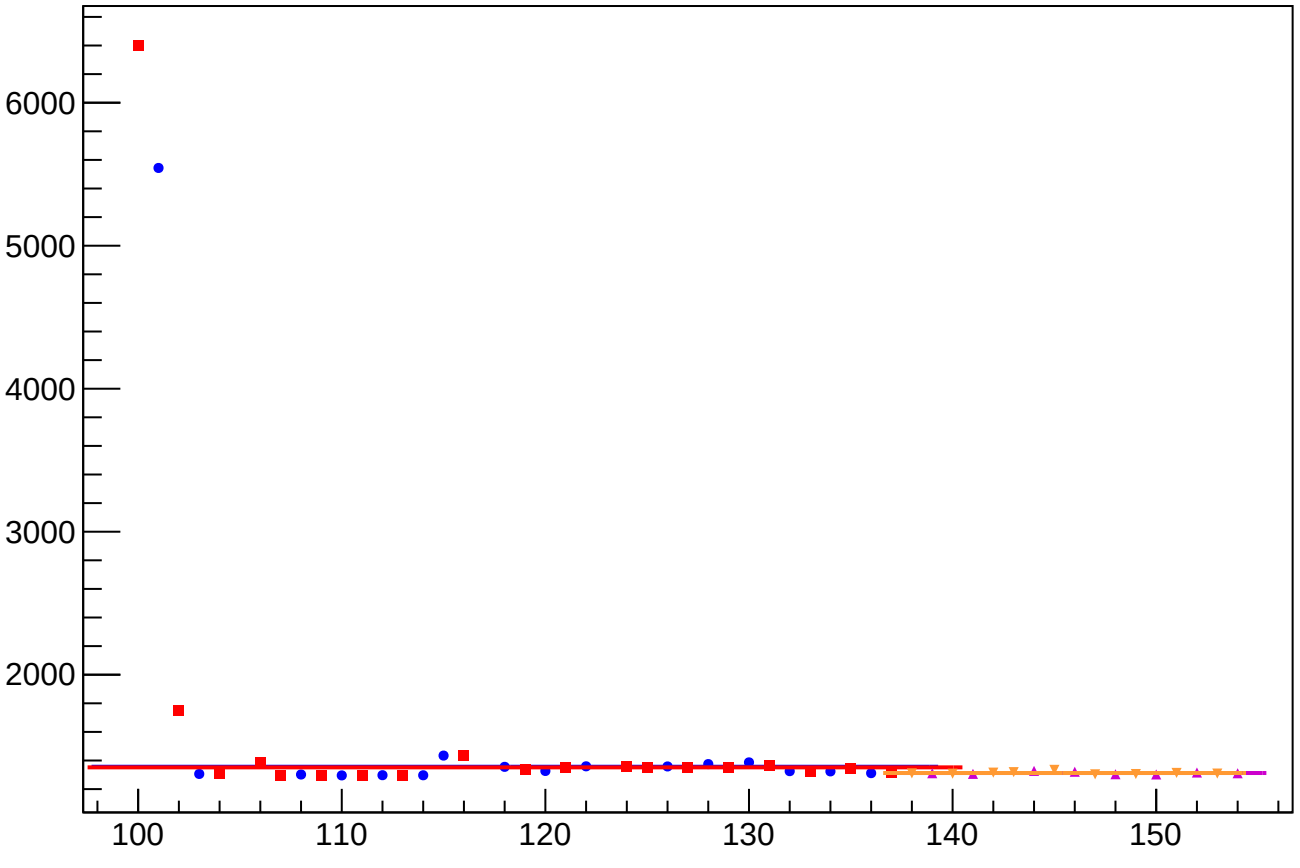
Left: -444.733+/-350.201 χ^2/NDF: 18.5/16

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -129.964+/-357.939 χ^2/NDF:33.8/23

Out: -202.168+/-352.765 χ^2/NDF:18.0/27

All: -166.592+/-251.252 χ^2/NDF: 51.8/51



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: 1312.585+/-0.350 χ^2/NDF:540.5/7

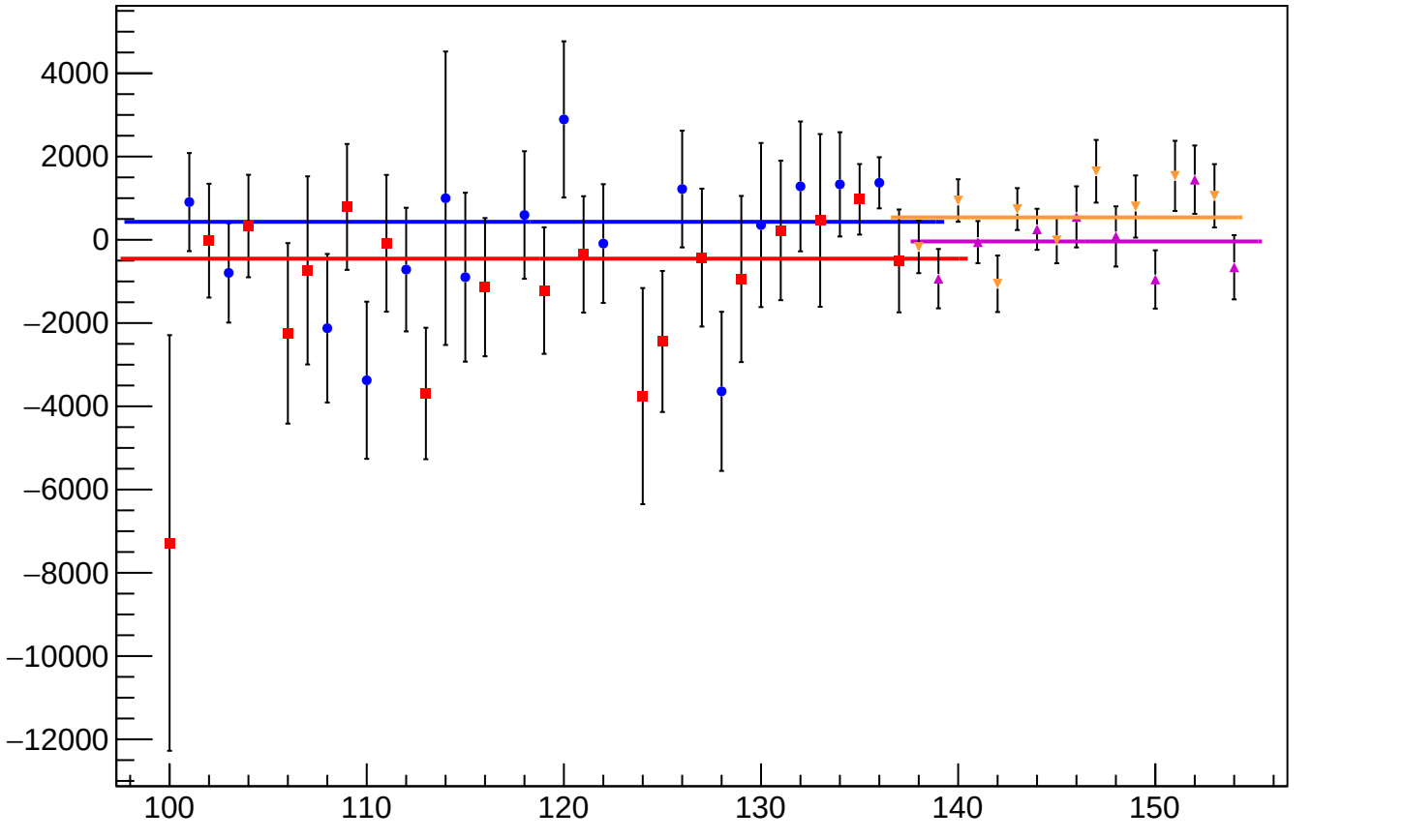
Left: 1312.620+/-0.248 χ^2/NDF: 1198.2/16

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

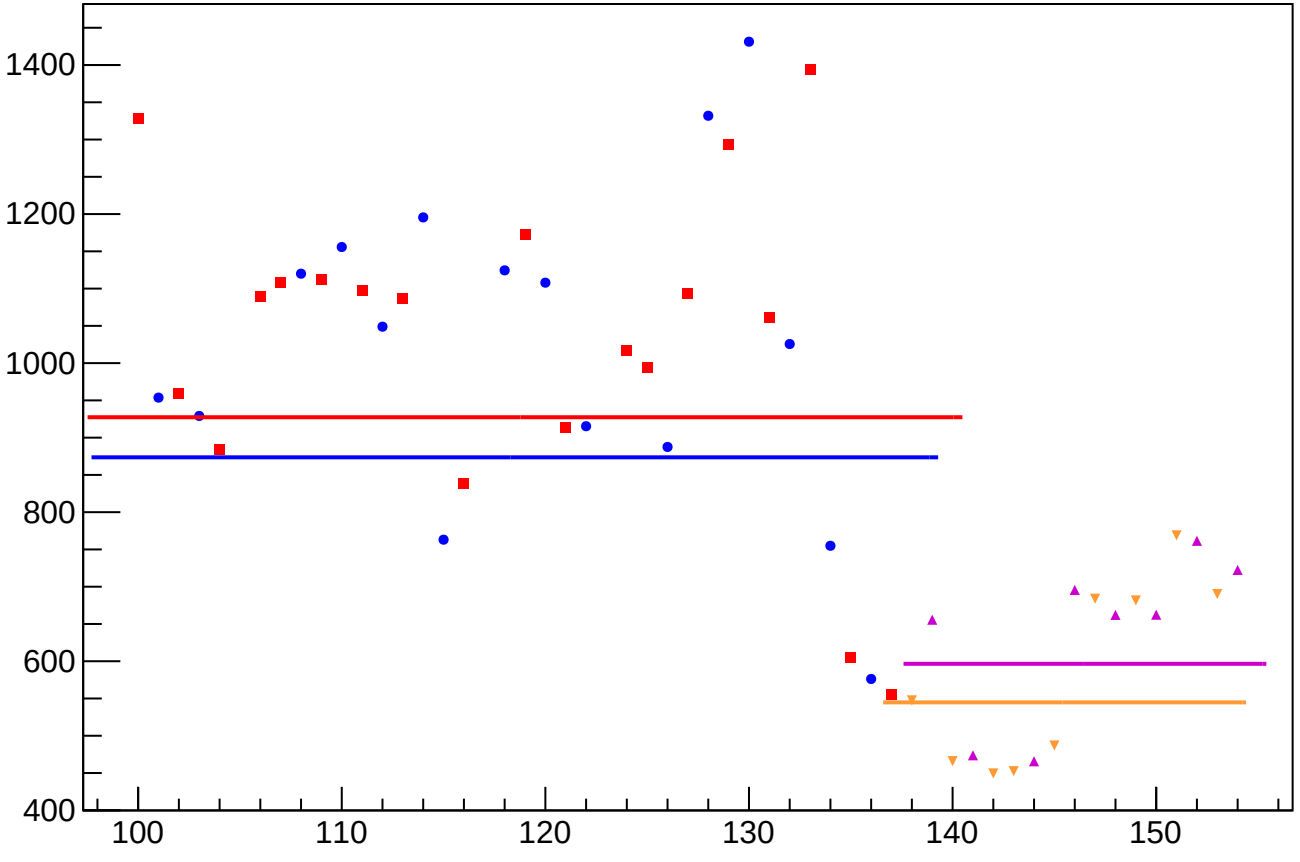
In: 1333.521+/-0.253 χ^2/NDF:768282.4/23

Out: 1332.071+/-0.249 χ^2/NDF:154228.9/27

All: 1332.786+/-0.178 χ^2/NDF: 922527.9/51


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: -39.289+/-229.694 χ²/NDF:8.2/7
Left: 274.228+/-155.367 χ²/NDF: 24.4/16
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 109.400+/-190.049 χ²/NDF:27.8/23
Out: 280.515+/-181.426 χ²/NDF:33.2/27
All: 198.928+/-131.230 χ²/NDF: 61.4/51

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 596.529+/-0.162 χ^2/NDF:476946.0/7

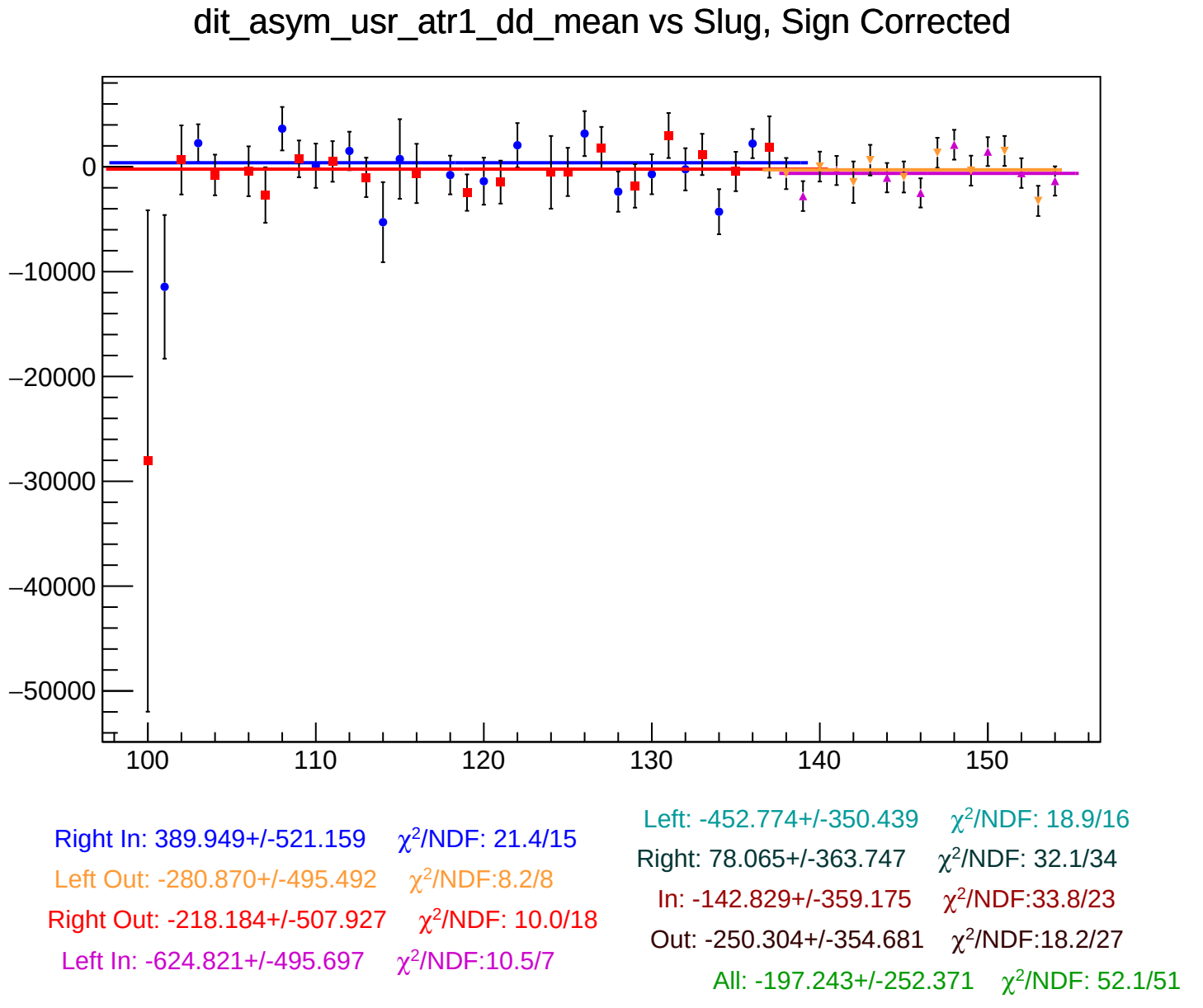
Left: 568.455+/-0.110 χ^2/NDF: 1058560.7/16

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

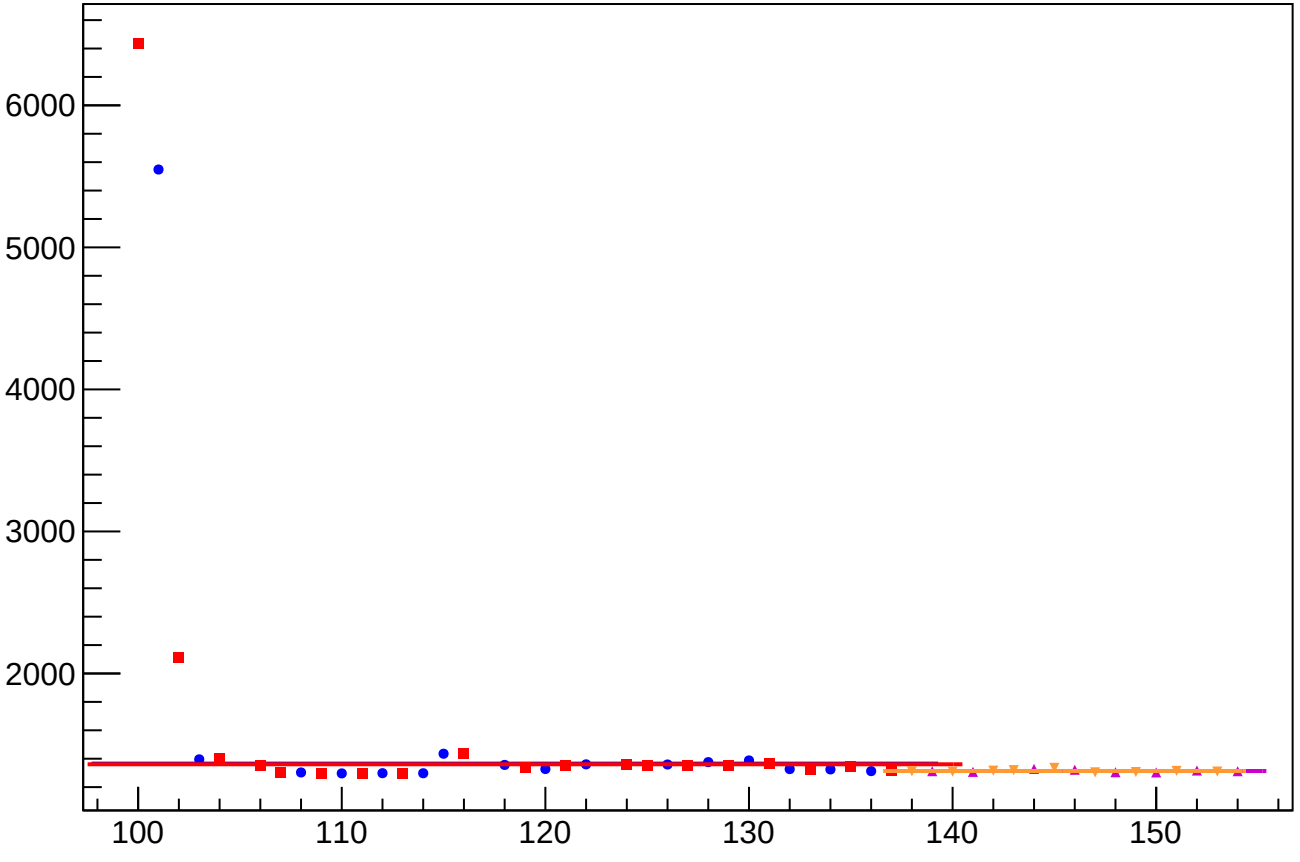
In: 683.920+/-0.134 χ^2/NDF:2409256.6/23

Out: 644.376+/-0.128 χ^2/NDF:3086780.0/27

All: 663.231+/-0.093 χ^2/NDF: 5541339.7/51


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -280.870+/-495.492 χ²/NDF:8.2/8
Right Out: -218.184+/-507.927 χ²/NDF: 10.0/18
Left In: -624.821+/-495.697 χ²/NDF:10.5/7
Left: -452.774+/-350.439 χ²/NDF: 18.9/16
Right: 78.065+/-363.747 χ²/NDF: 32.1/34
In: -142.829+/-359.175 χ²/NDF:33.8/23
Out: -250.304+/-354.681 χ²/NDF:18.2/27
All: -197.243+/-252.371 χ²/NDF: 52.1/51

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: 1313.477+/-0.351 χ^2/NDF:533.3/7

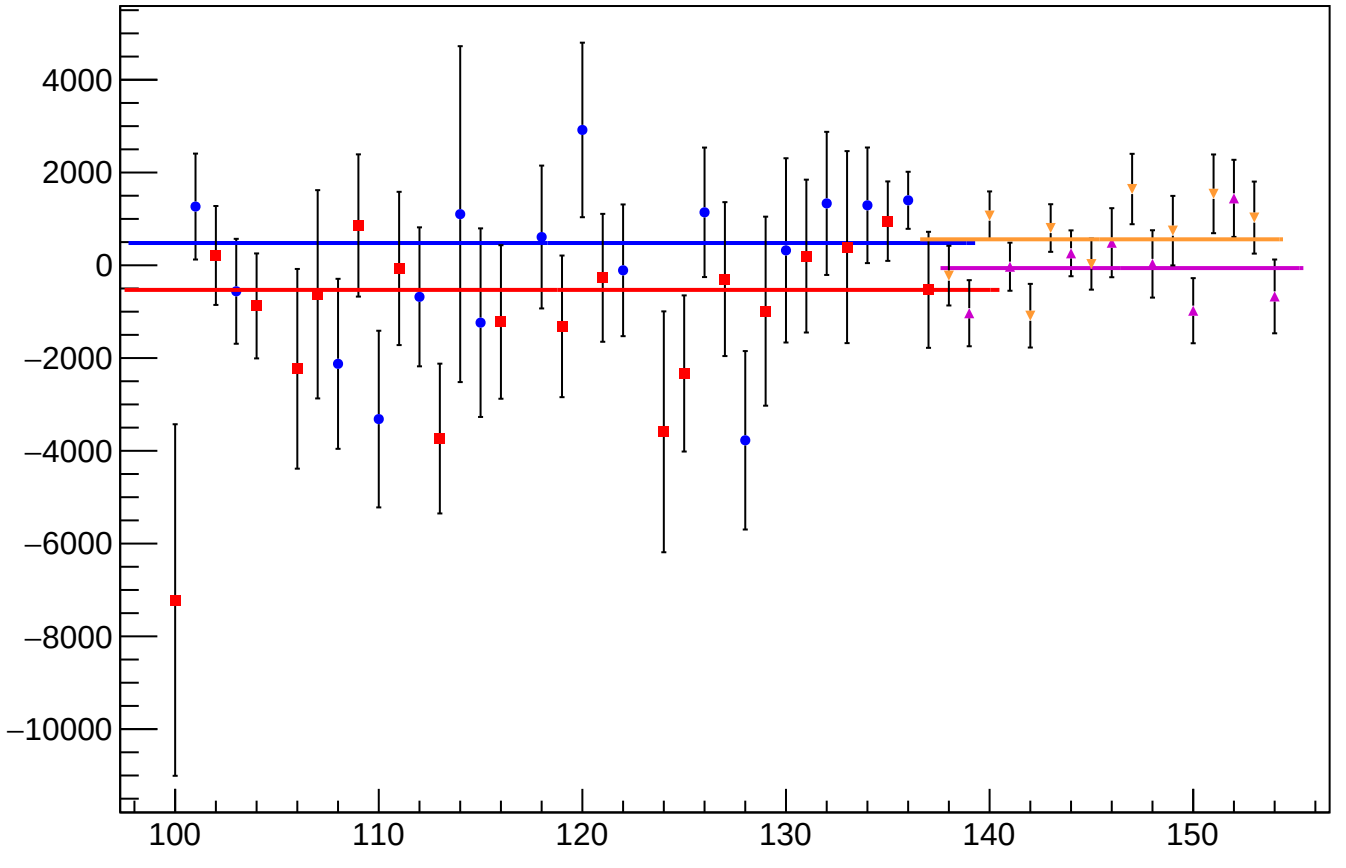
Left: 1313.511+/-0.248 χ^2/NDF: 1181.6/16

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1338.093+/-0.254 χ^2/NDF:769861.4/23

Out: 1336.572+/-0.251 χ^2/NDF:214822.8/27

All: 1337.323+/-0.178 χ^2/NDF: 984702.4/51



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: -60.140+/-232.257 χ^2/NDF:8.4/7

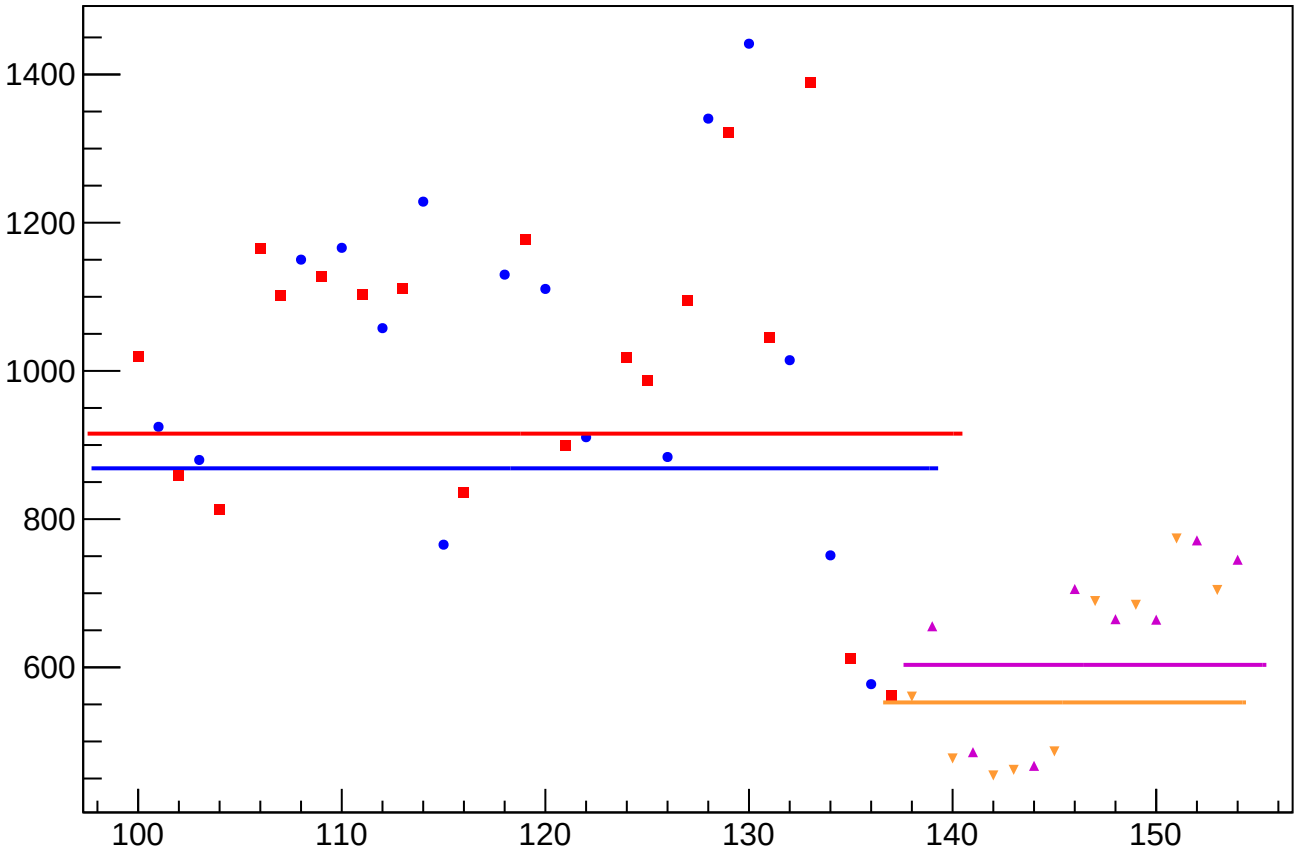
Left: 275.533+/-157.319 χ^2/NDF: 25.4/16

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 114.265+/-191.150 χ^2/NDF:28.8/23

Out: 258.775+/-181.922 χ^2/NDF:36.0/27

All: 190.092+/-131.780 χ^2/NDF: 65.0/51



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: 603.347+/-0.164 χ^2/NDF:478465.1/7

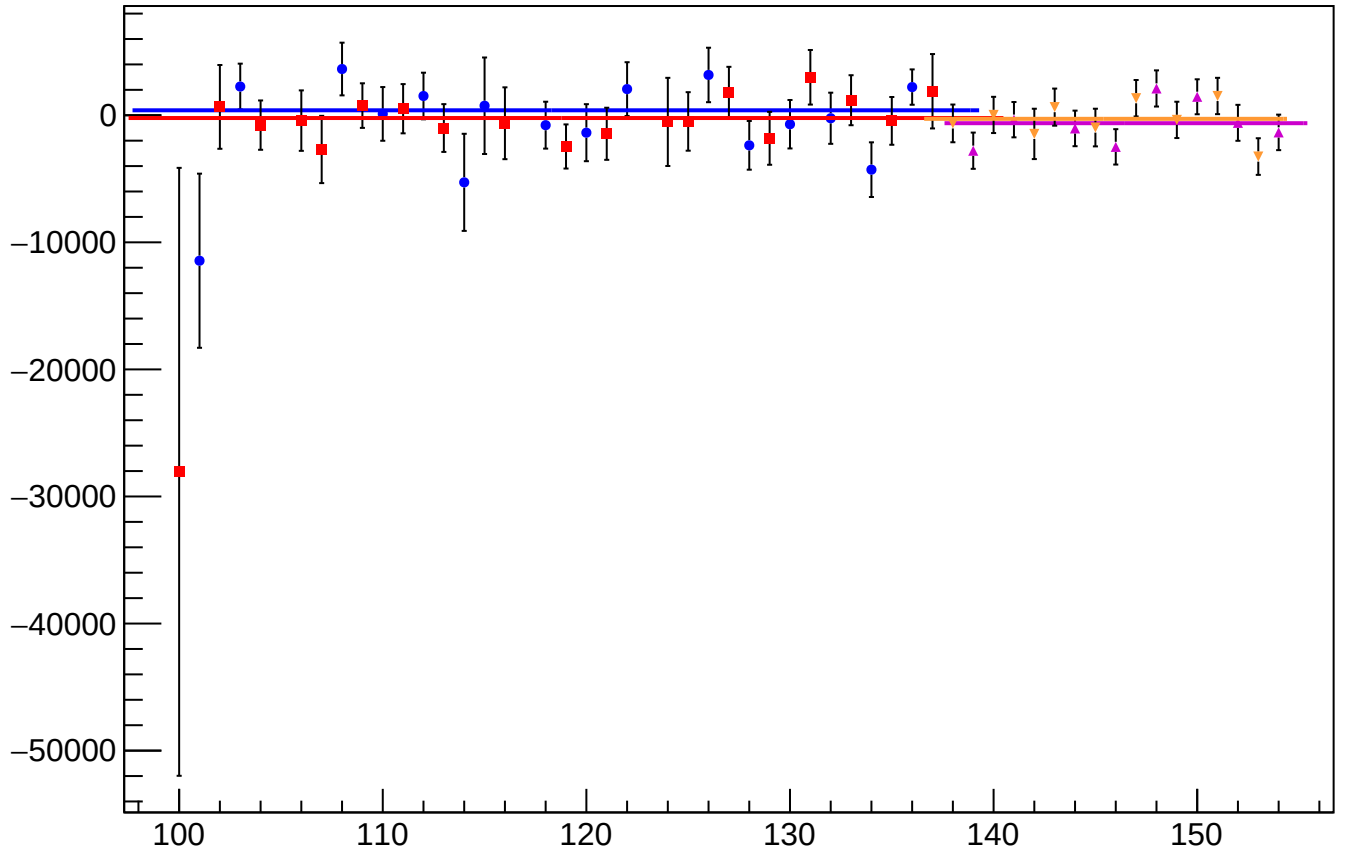
Left: 575.920+/-0.111 χ^2/NDF: 1044140.2/16

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 688.921+/-0.135 χ^2/NDF:2341300.2/23

Out: 652.875+/-0.129 χ^2/NDF:2962528.2/27

All: 670.007+/-0.093 χ^2/NDF: 5341145.2/51



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: -624.821+/-495.697 χ^2/NDF:10.5/7

Left: -452.774+/-350.439 χ^2/NDF: 18.9/16

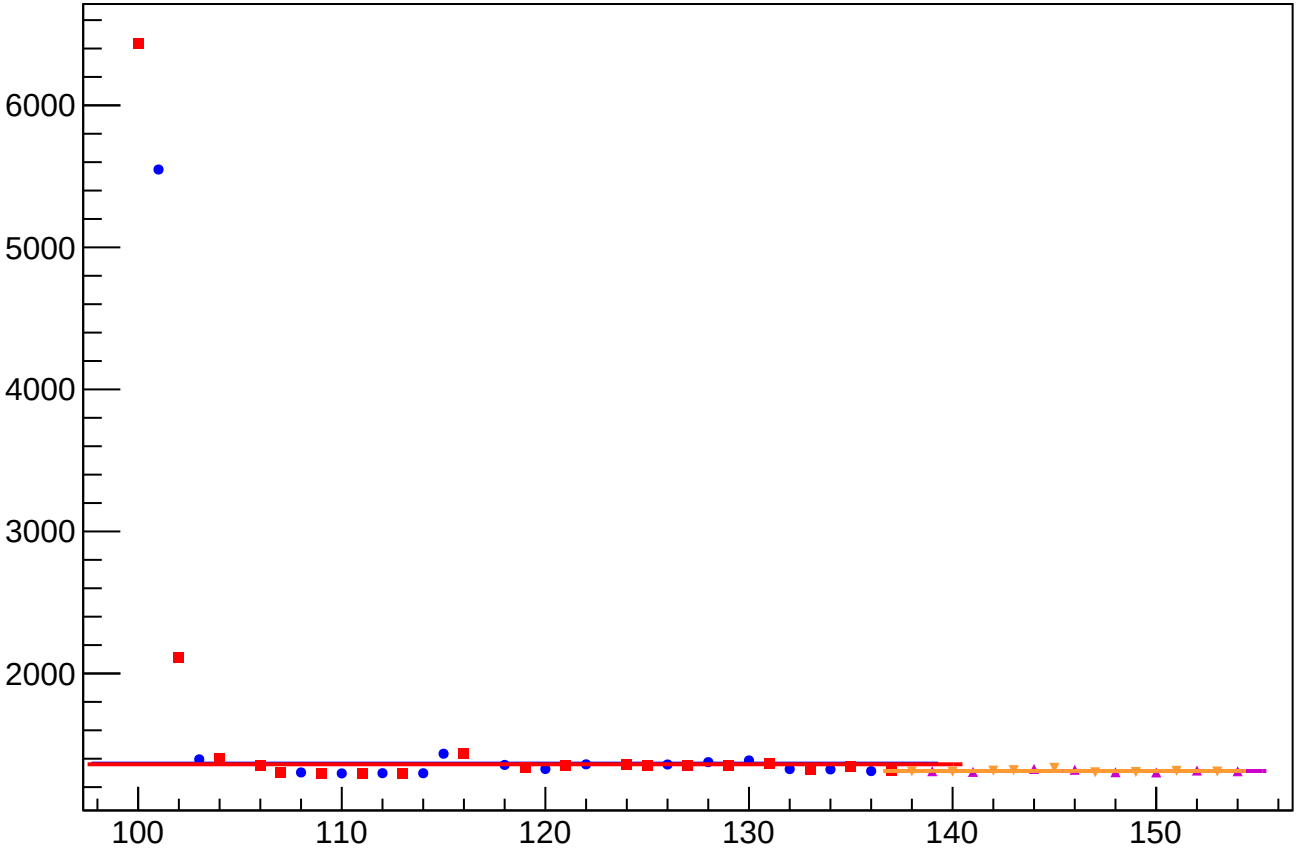
Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -142.829+/-359.175 χ^2/NDF:33.8/23

Out: -250.303+/-354.681 χ^2/NDF:18.2/27

All: -197.243+/-252.371 χ^2/NDF: 52.1/51

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: 1313.477+/-0.351 χ^2/NDF:533.3/7

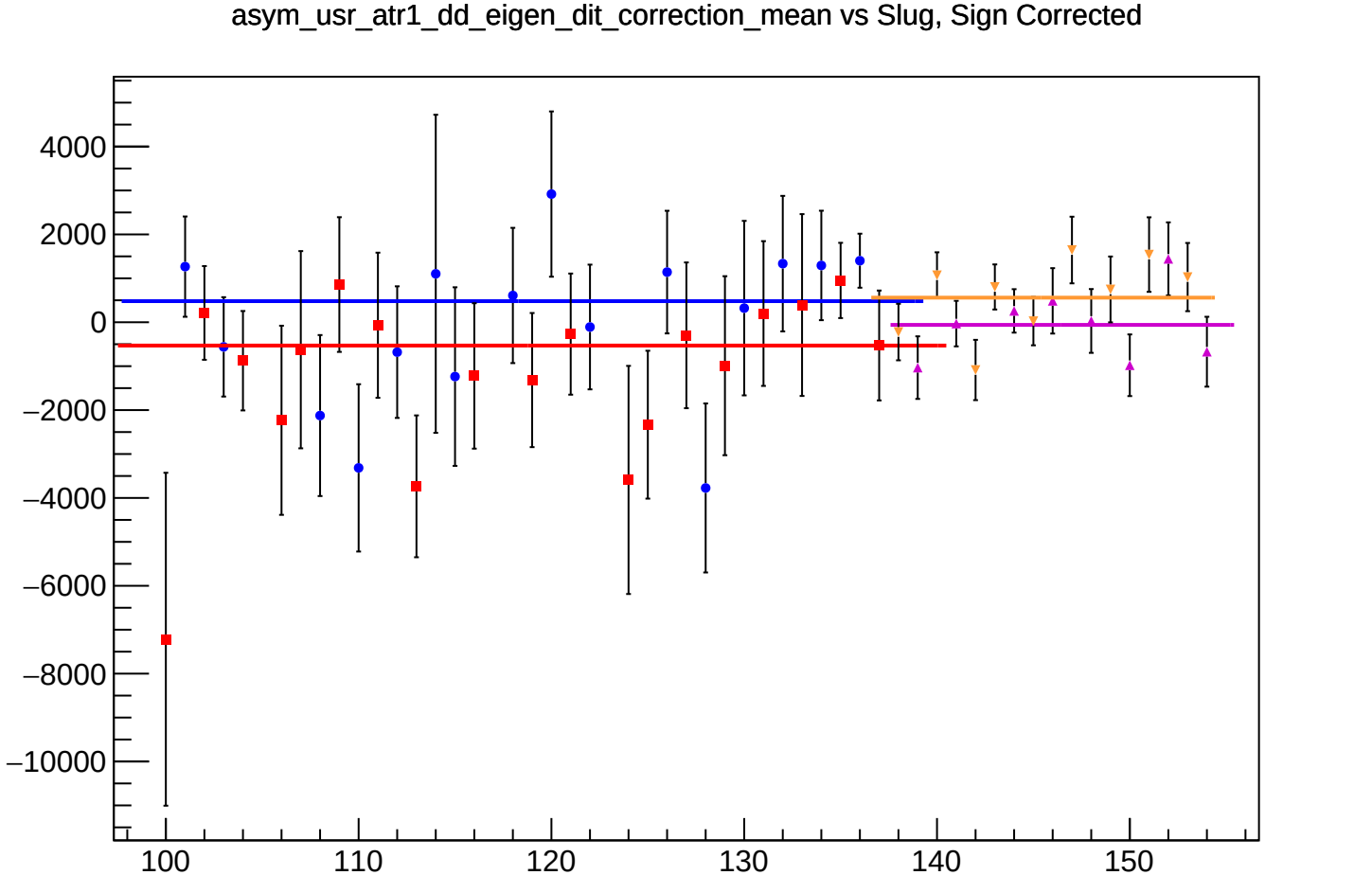
Left: 1313.511+/-0.248 χ^2/NDF: 1181.6/16

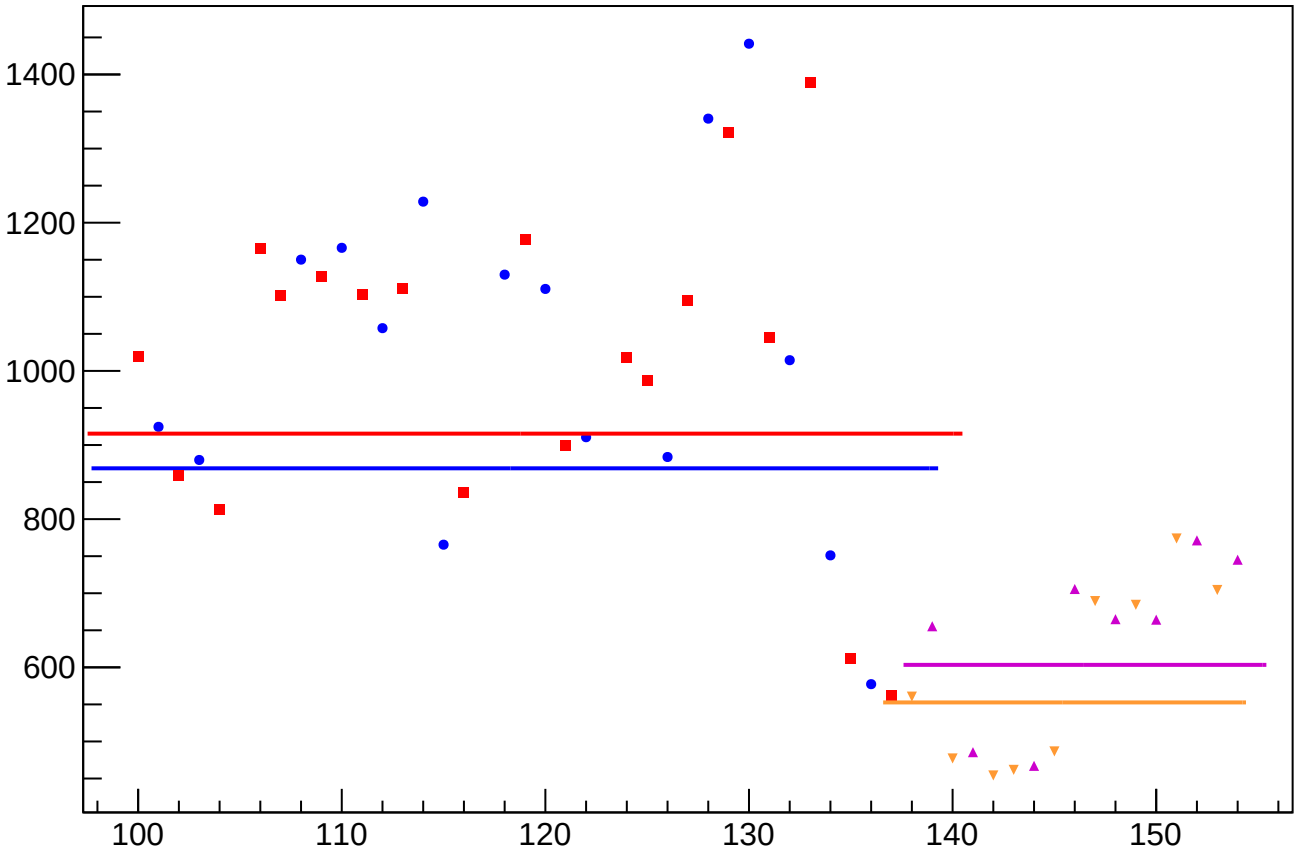
Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1338.093+/-0.254 χ^2/NDF:769861.4/23

Out: 1336.572+/-0.251 χ^2/NDF:214822.7/27

All: 1337.323+/-0.178 χ^2/NDF: 984702.3/51


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: -60.140+/-232.257 χ²/NDF:8.4/7
Left: 275.534+/-157.319 χ²/NDF: 25.4/16
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 114.265+/-191.150 χ²/NDF:28.8/23
Out: 258.775+/-181.922 χ²/NDF:36.0/27
All: 190.092+/-131.780 χ²/NDF: 65.0/51



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: 603.347+/-0.164 χ^2/NDF:478468.9/7

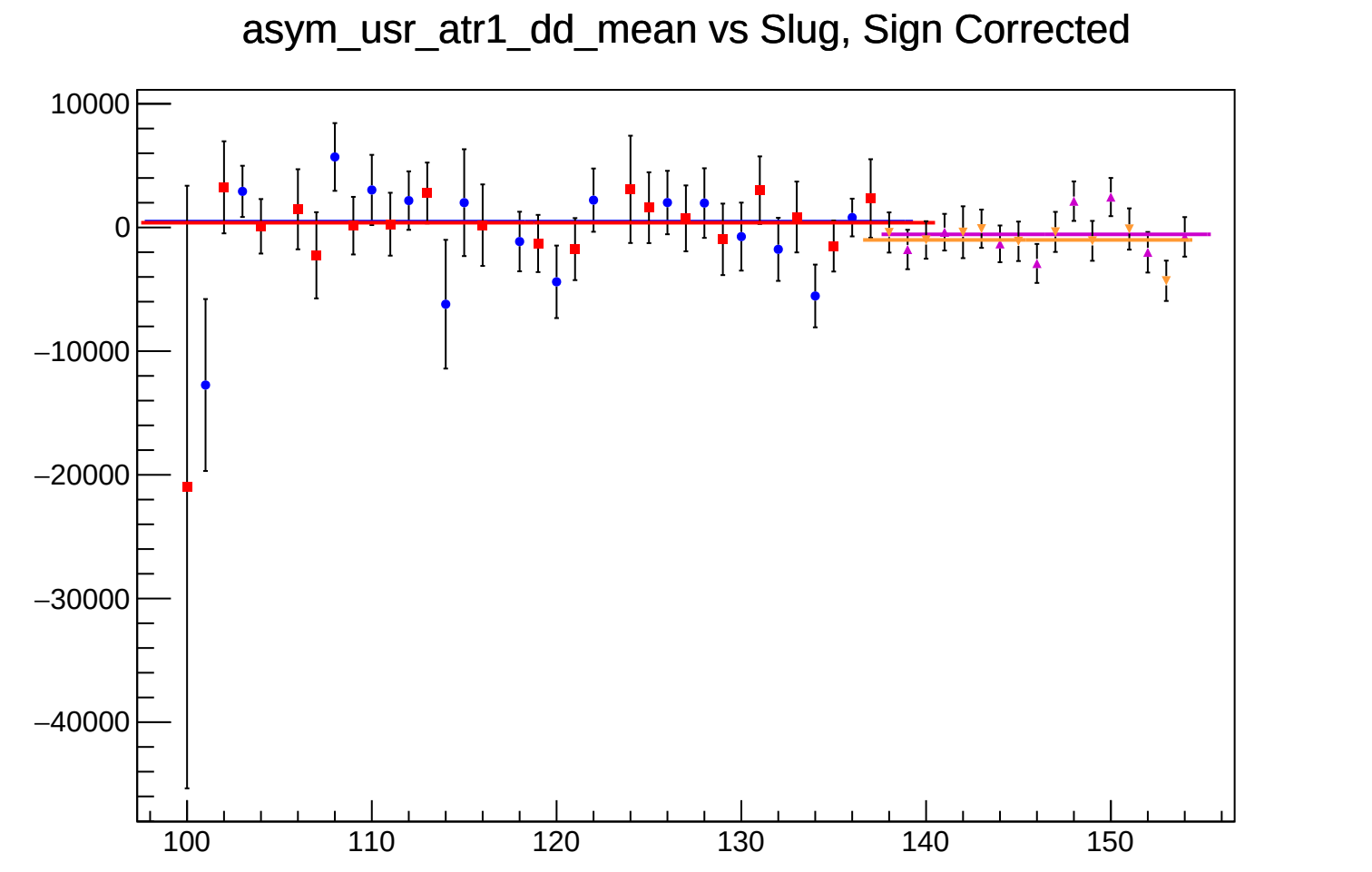
Left: 575.920+/-0.111 χ^2/NDF: 1044151.5/16

Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 688.921+/-0.135 χ^2/NDF:2341285.9/23

Out: 652.875+/-0.129 χ^2/NDF:2962525.2/27

All: 670.007+/-0.093 χ^2/NDF: 5341129.0/51



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: -556.117+/-552.197 χ^2/NDF:10.5/7

Left: -784.582+/-388.281 χ^2/NDF: 16.0/16

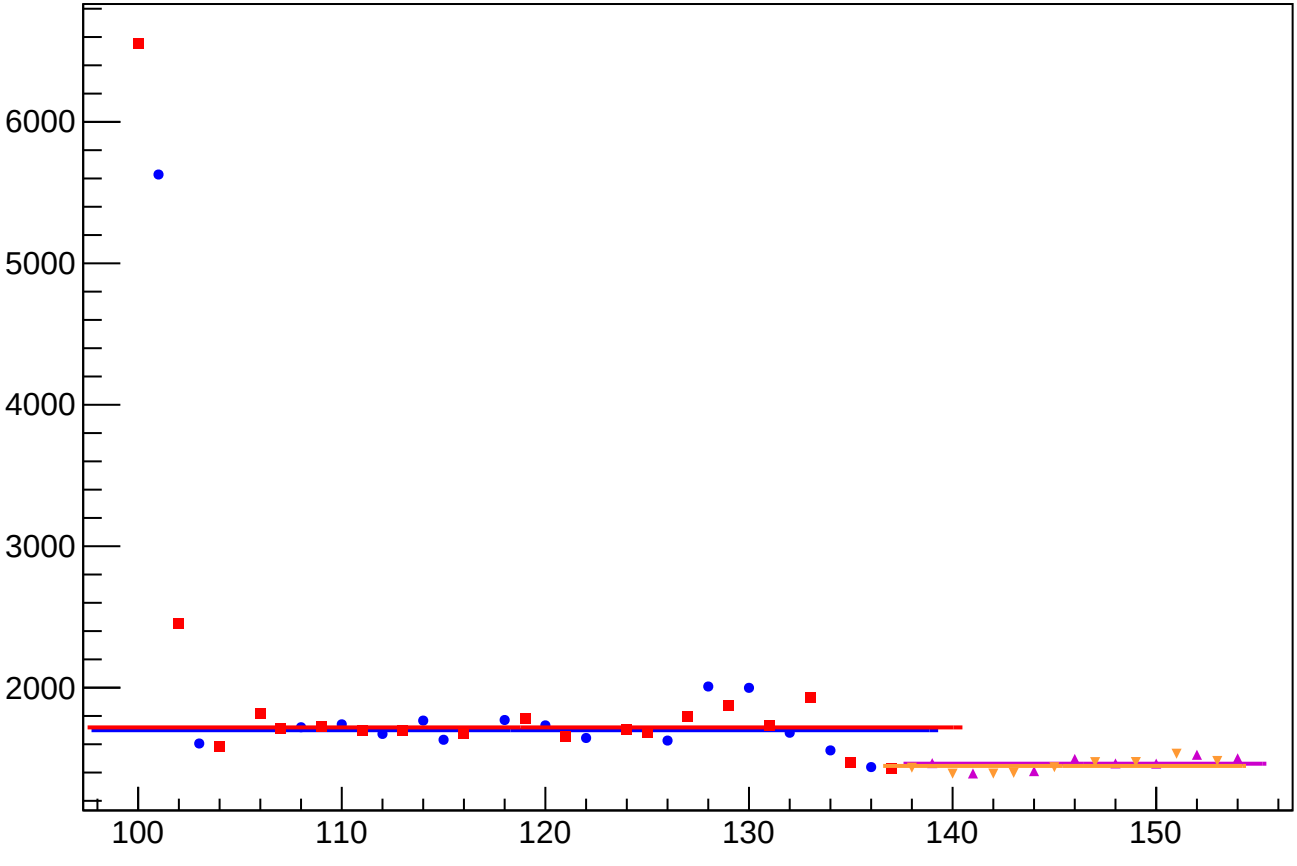
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -123.939+/-420.632 χ^2/NDF:34.7/23

Out: -423.329+/-415.956 χ^2/NDF:15.1/27

All: -275.307+/-295.765 χ^2/NDF: 50.1/51

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: 1462.465+/-0.390 χ^2/NDF:11866.8/7

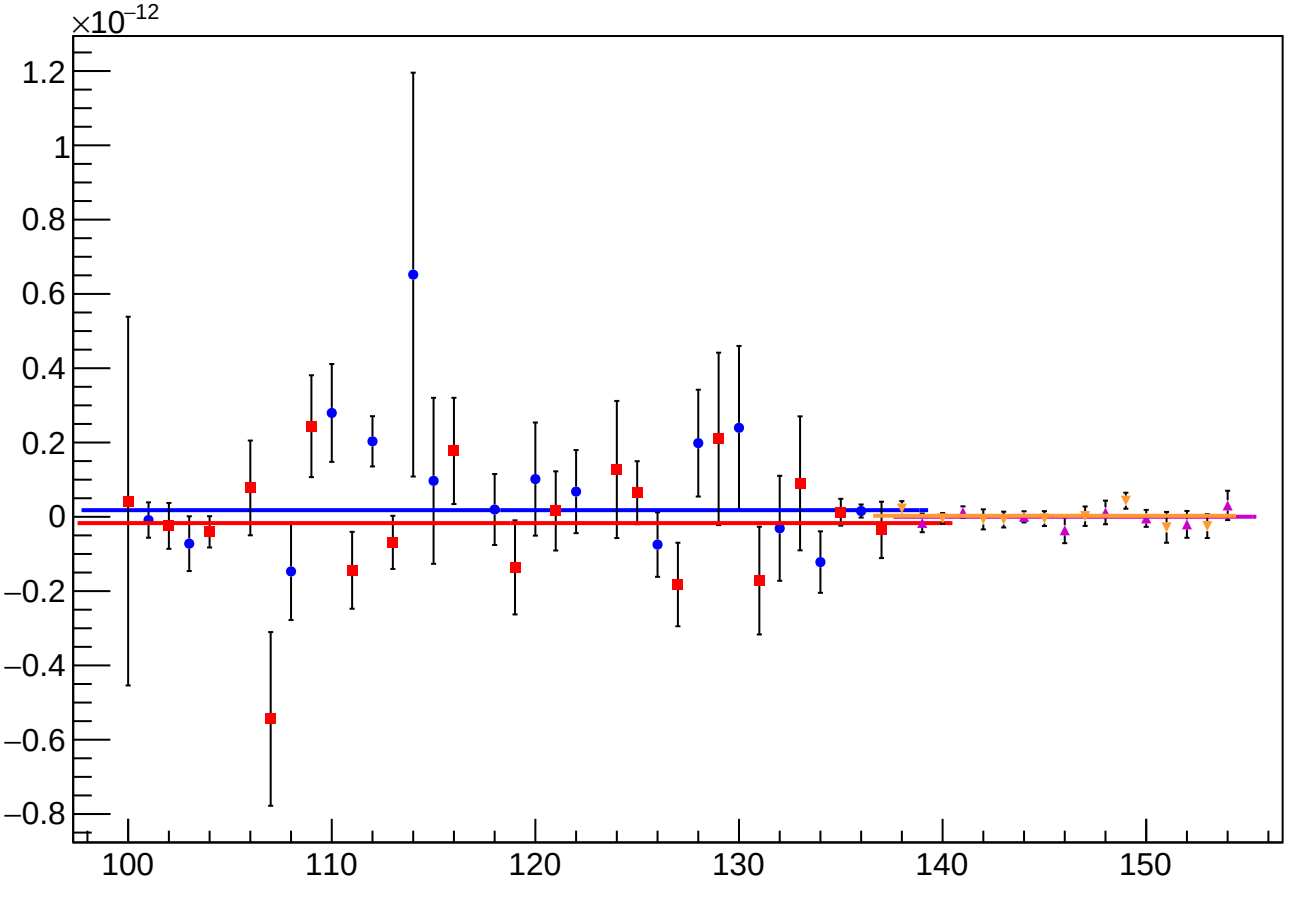
Left: 1454.523+/-0.275 χ^2/NDF: 26172.8/16

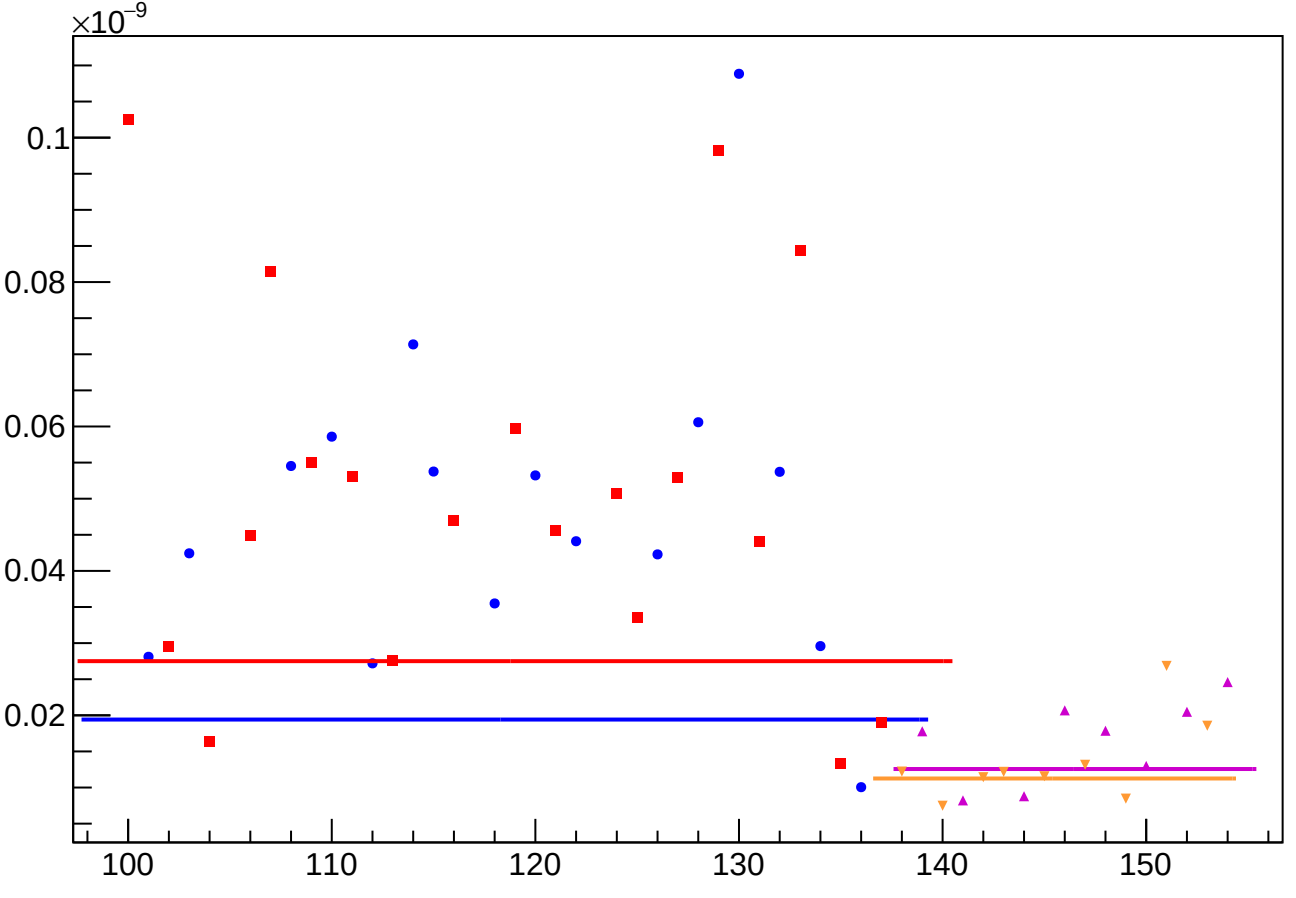
Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1561.889+/-0.297 χ^2/NDF:928430.0/23

Out: 1561.085+/-0.294 χ^2/NDF:456072.2/27

All: 1561.482+/-0.209 χ^2/NDF: 1384505.9/51


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:3.3/7
Left: 0.000+/-0.000 χ²/NDF: 9.8/16
Right: 0.000+/-0.000 χ²/NDF: 47.0/34
In: 0.000+/-0.000 χ²/NDF:28.0/23
Out: 0.000+/-0.000 χ²/NDF:28.8/27
All: 0.000+/-0.000 χ²/NDF: 56.9/51



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:818021.0/7

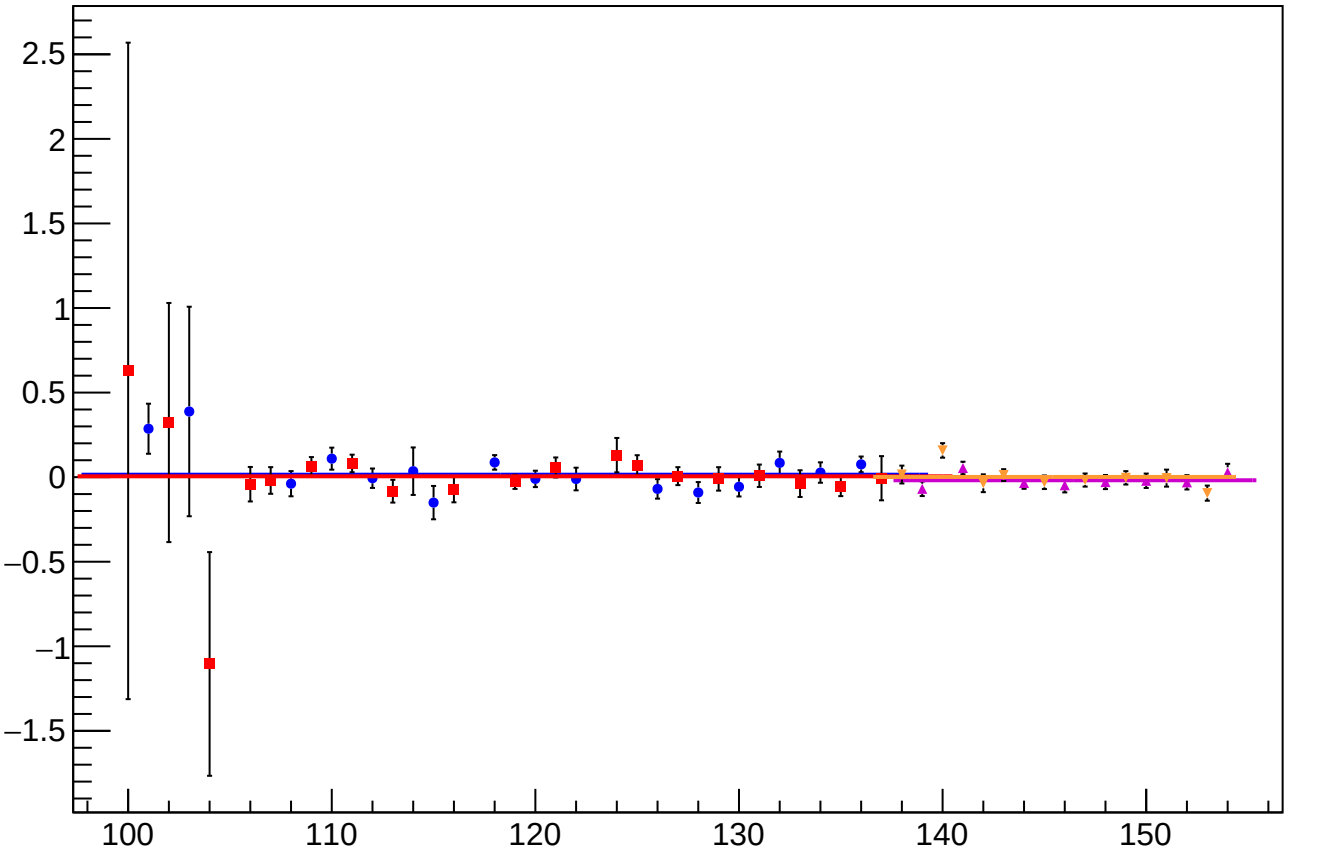
Left: 0.000+/-0.000 χ^2/NDF: 1425135.2/16

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3437865.3/23

Out: 0.000+/-0.000 χ^2/NDF:3489008.6/27

All: 0.000+/-0.000 χ^2/NDF: 6942425.8/51



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: -0.018+/-0.015 χ^2/NDF:6.9/7

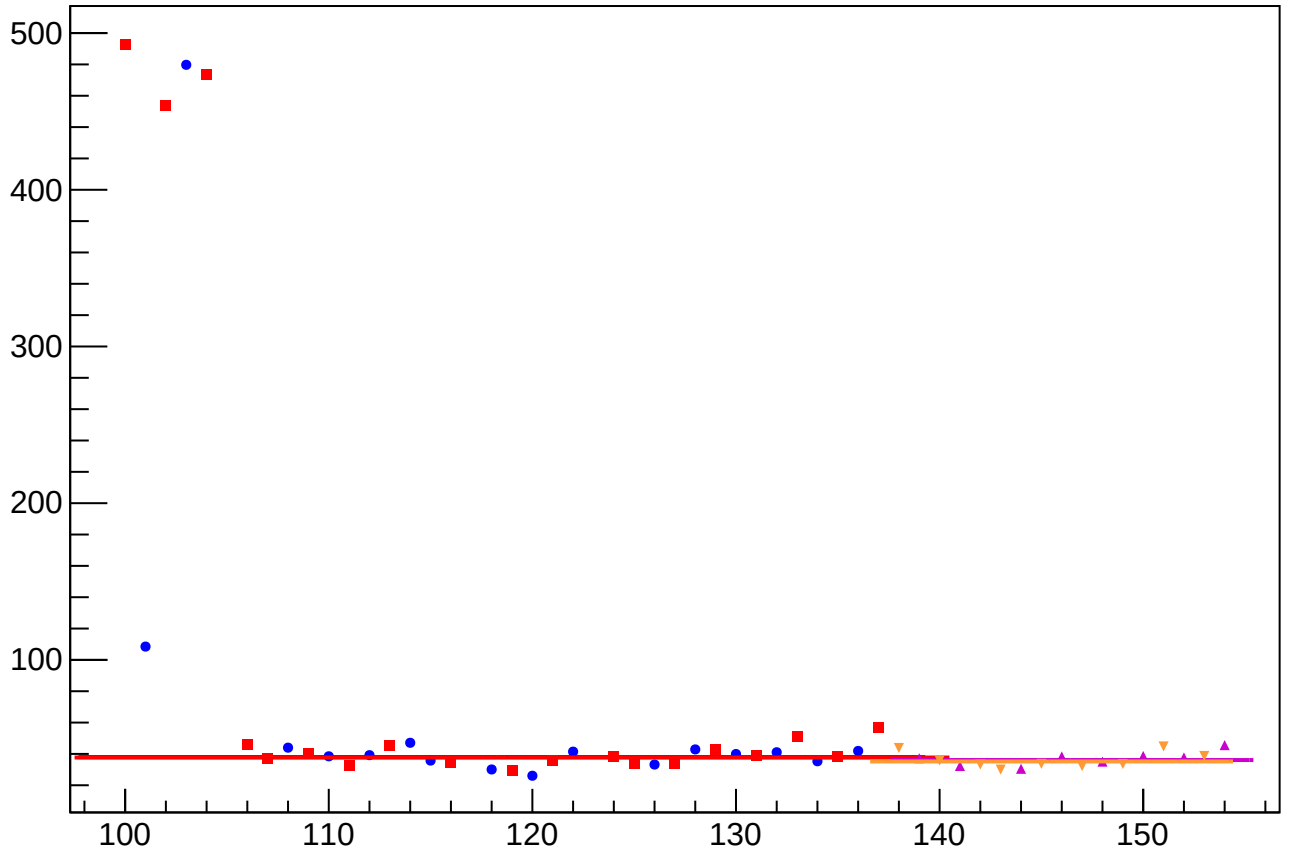
Left: -0.008+/-0.010 χ^2/NDF: 27.3/16

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.004+/-0.011 χ^2/NDF:31.3/23

Out: 0.003+/-0.011 χ^2/NDF:34.4/27

All: -0.000+/-0.008 χ^2/NDF: 65.8/51



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: 36.090+/-0.010 χ^2/NDF:163018.8/7

Left: 35.634+/-0.007 χ^2/NDF: 369871.6/16

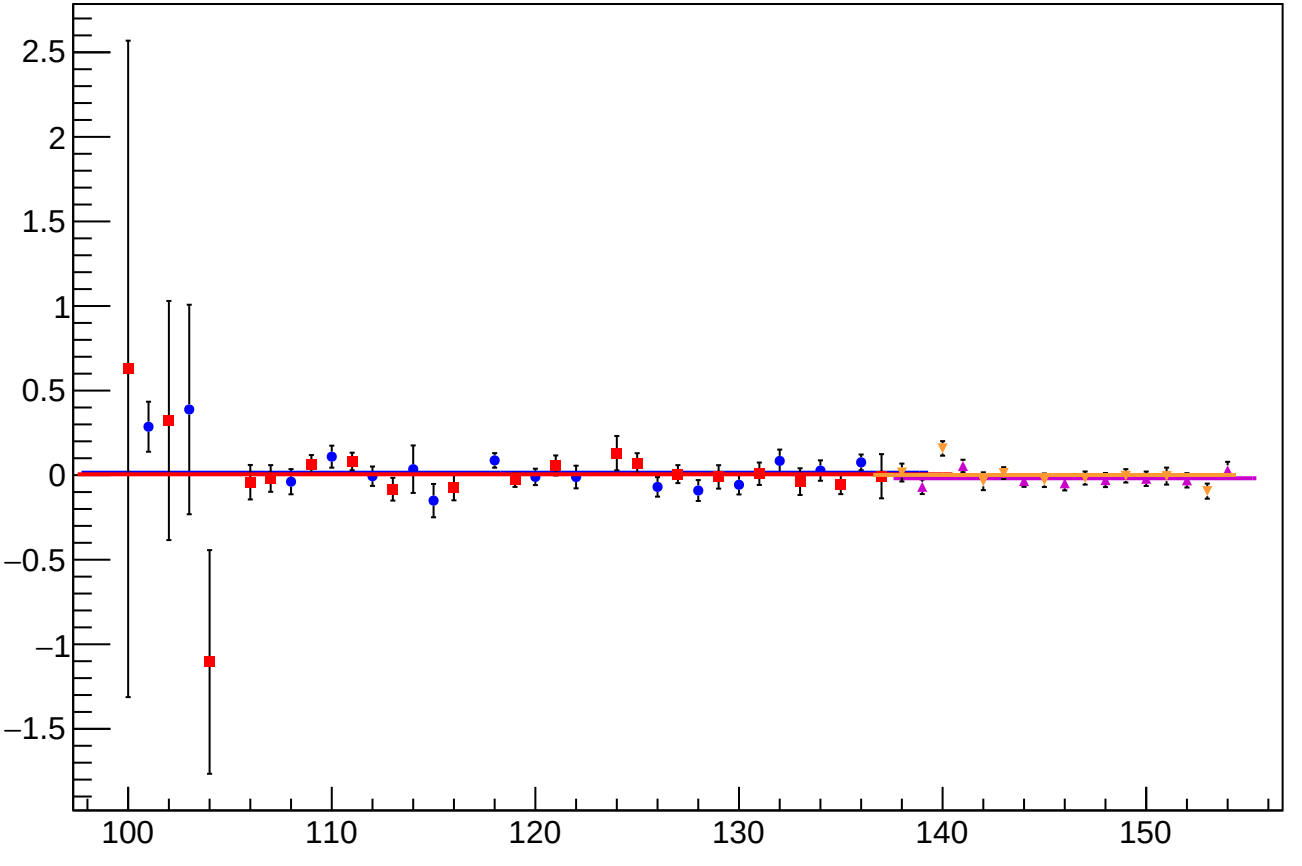
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.931+/-0.008 χ^2/NDF:1917444.4/23

Out: 36.300+/-0.008 χ^2/NDF:2174987.3/27

All: 36.614+/-0.005 χ^2/NDF: 4095910.8/51

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:19.5/8

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.018+/-0.015 χ^2/NDF:6.9/7

Left: -0.008+/-0.010 χ^2/NDF: 27.3/16

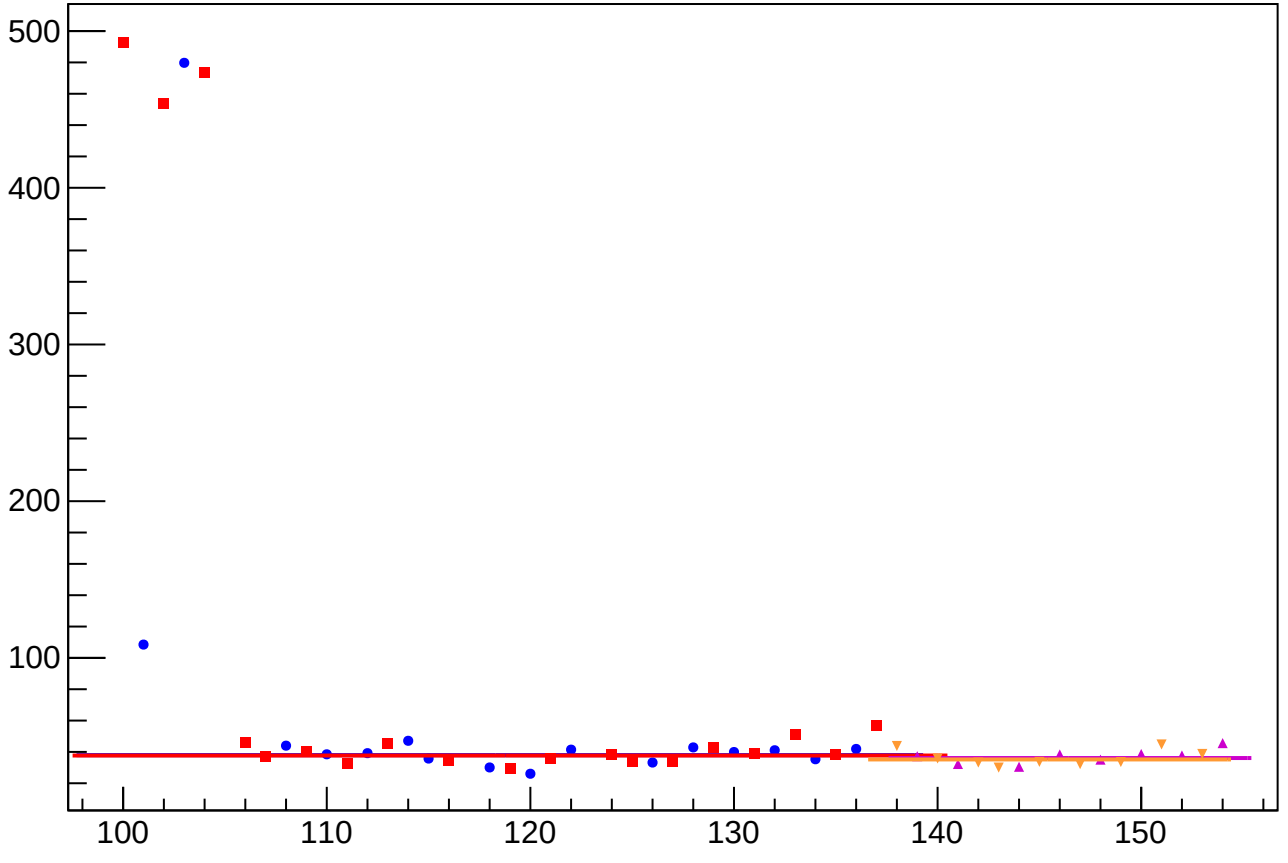
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.004+/-0.011 χ^2/NDF:31.3/23

Out: 0.003+/-0.011 χ^2/NDF:34.4/27

All: -0.000+/-0.008 χ^2/NDF: 65.8/51

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: 36.090+/-0.010 χ^2/NDF:163018.8/7

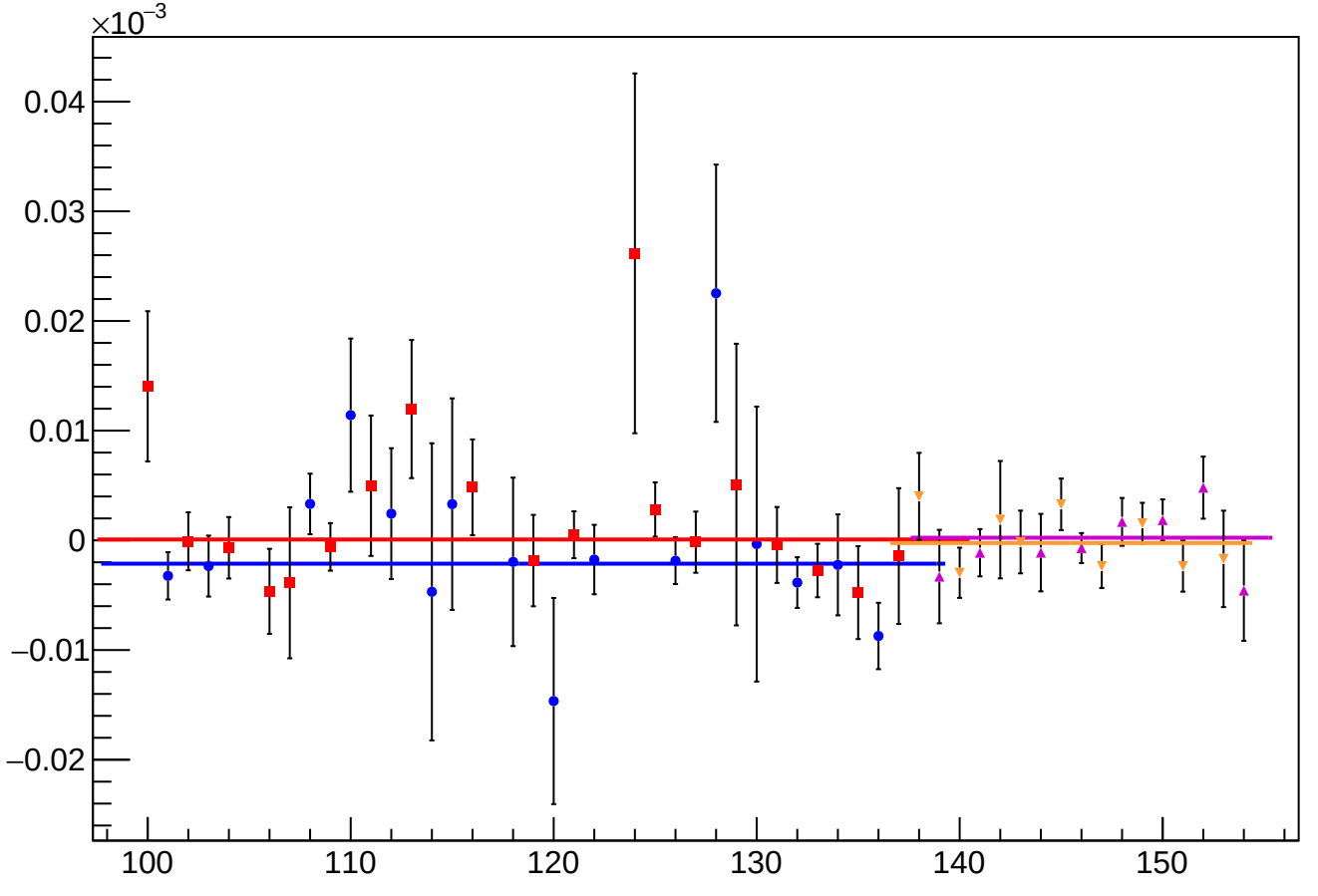
Left: 35.634+/-0.007 χ^2/NDF: 369871.6/16

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.931+/-0.008 χ^2/NDF:1917444.4/23

Out: 36.300+/-0.008 χ^2/NDF:2174987.3/27

All: 36.614+/-0.005 χ^2/NDF: 4095910.8/51



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:6.6/7

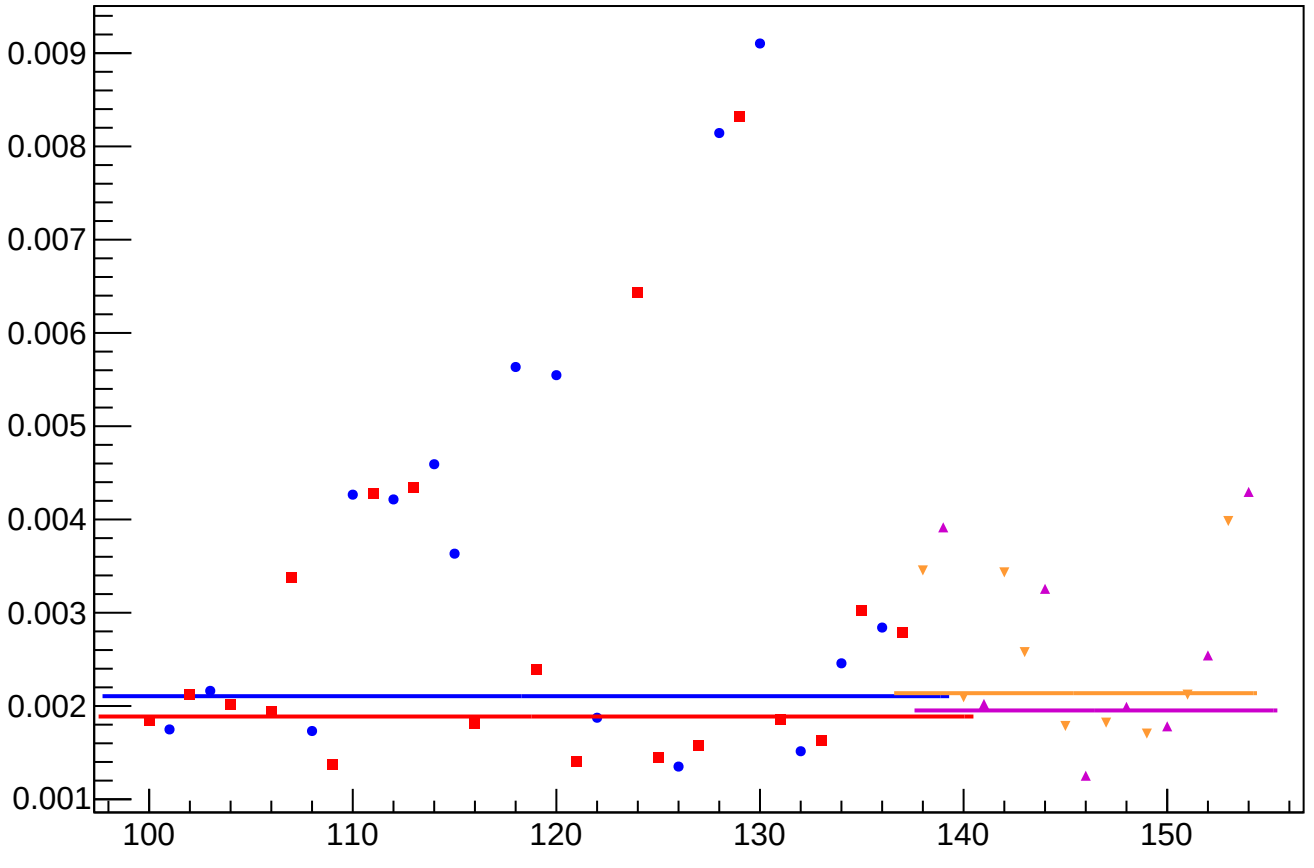
Left: 0.000+/-0.000 χ^2/NDF: 14.7/16

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

In: -0.000+/-0.000 χ^2/NDF:30.9/23

Out: -0.000+/-0.000 χ^2/NDF:26.4/27

All: -0.000+/-0.000 χ^2/NDF: 58.1/51



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:1849666.6/7

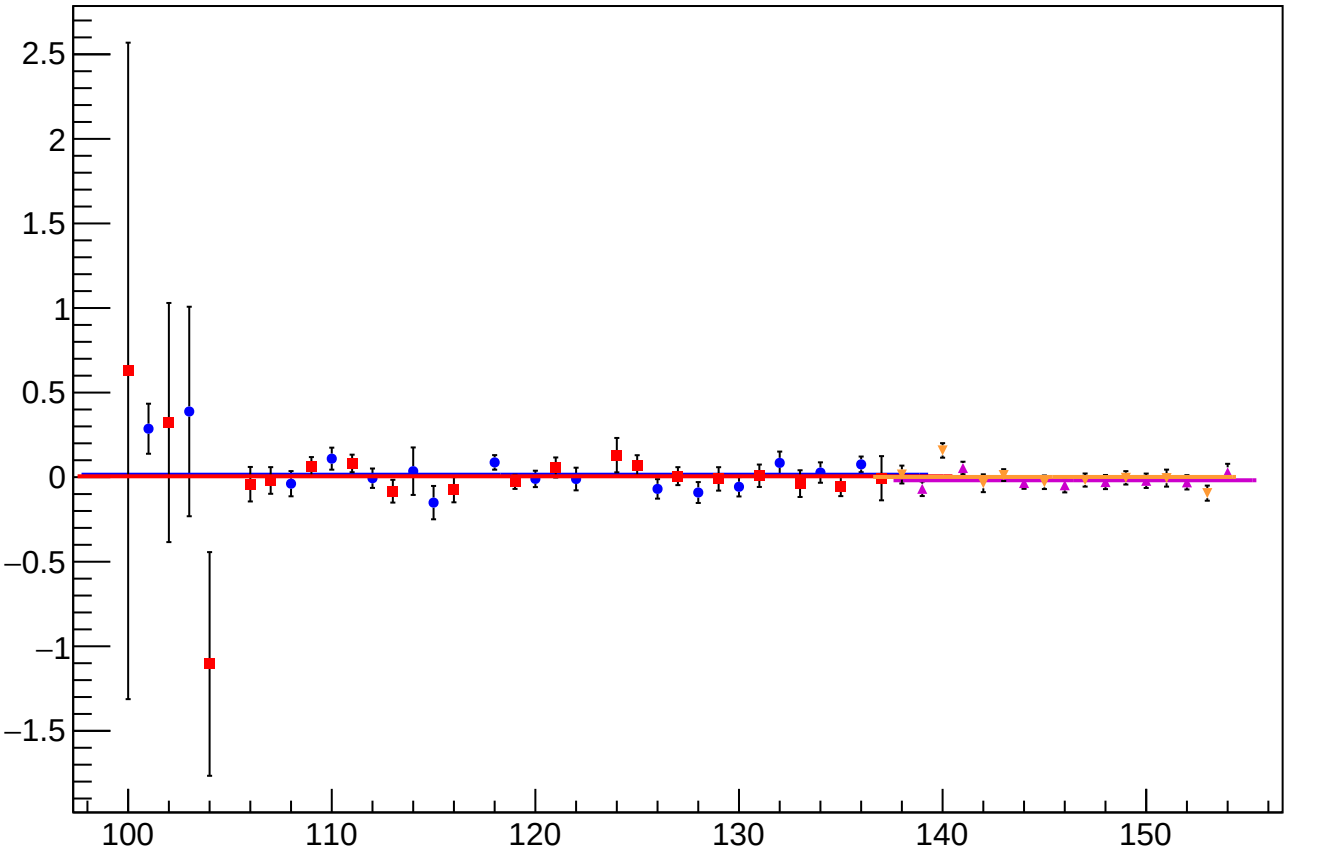
Left: 0.002+/-0.000 χ^2/NDF: 2839992.3/16

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:4899555.0/23

Out: 0.002+/-0.000 χ^2/NDF:2924981.6/27

All: 0.002+/-0.000 χ^2/NDF: 7825495.7/51



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: -0.018+/-0.015 χ^2/NDF:6.9/7

Left: -0.008+/-0.010 χ^2/NDF: 27.3/16

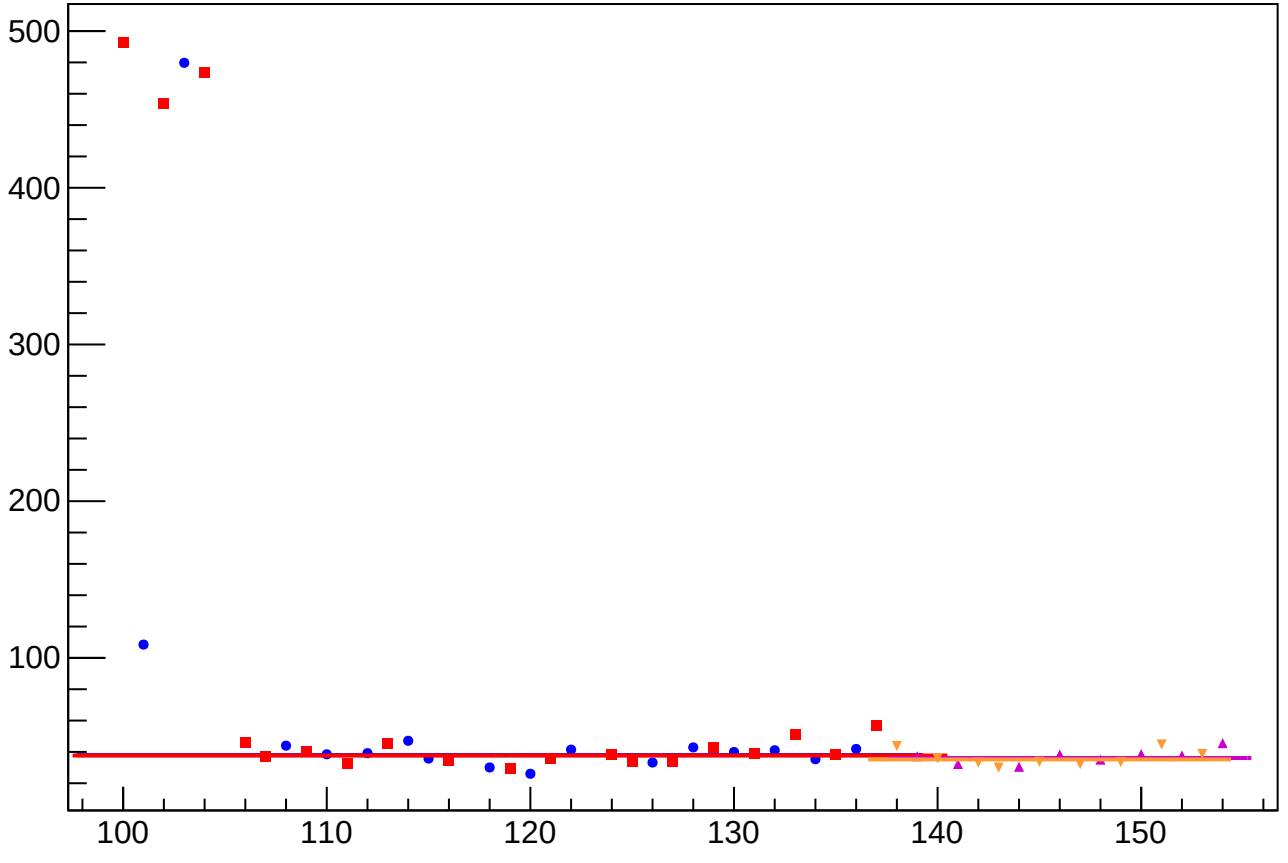
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.004+/-0.011 χ^2/NDF:31.3/23

Out: 0.003+/-0.011 χ^2/NDF:34.4/27

All: -0.000+/-0.008 χ^2/NDF: 65.8/51

asym_usr_atr1_dd_eigen_dit_vs_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: 36.090+/-0.010 χ^2/NDF:163059.0/7

Left: 35.634+/-0.007 χ^2/NDF: 369958.8/16

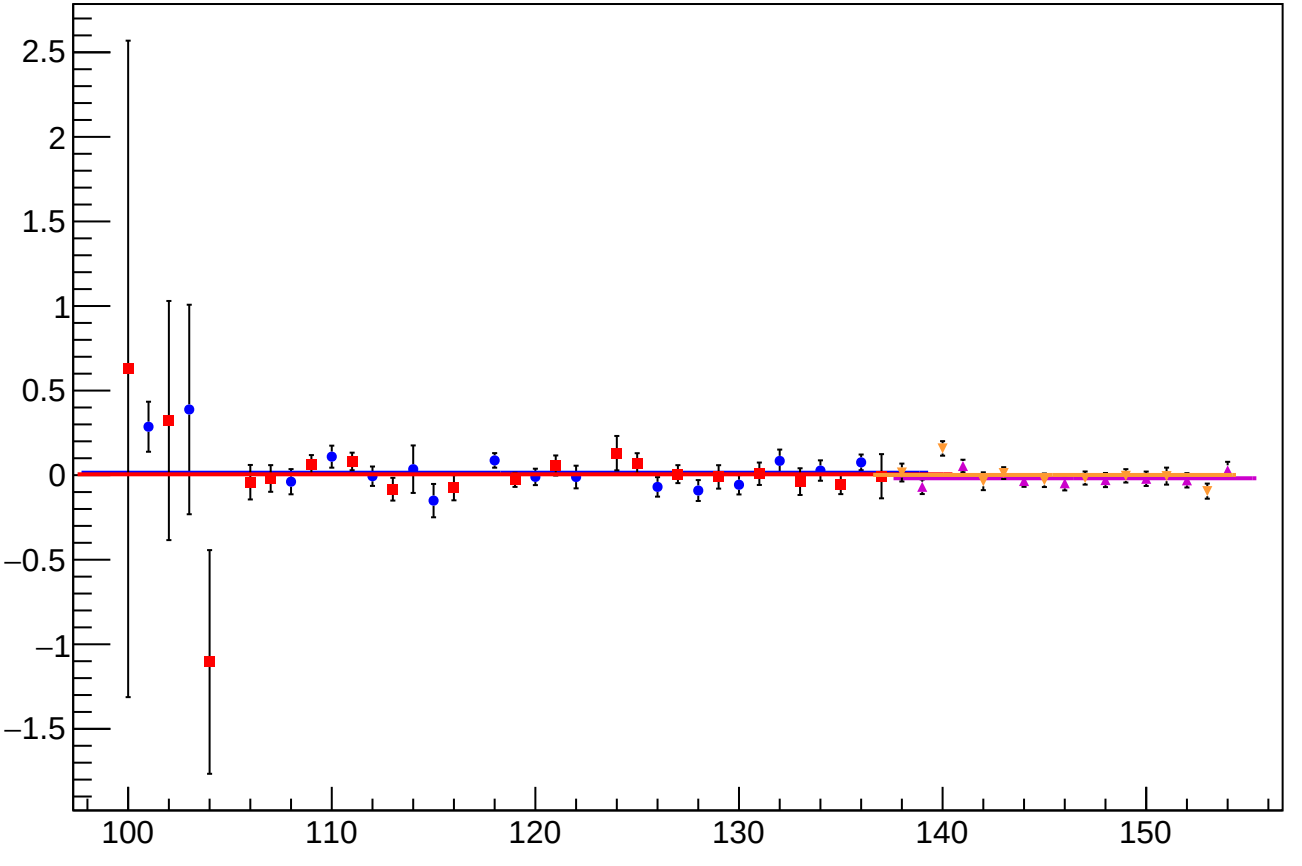
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.931+/-0.008 χ^2/NDF:1917491.9/23

Out: 36.299+/-0.008 χ^2/NDF:2175091.0/27

All: 36.613+/-0.005 χ^2/NDF: 4096065.1/51

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:19.5/8

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.018+/-0.015 χ^2/NDF:6.9/7

Left: -0.008+/-0.010 χ^2/NDF: 27.3/16

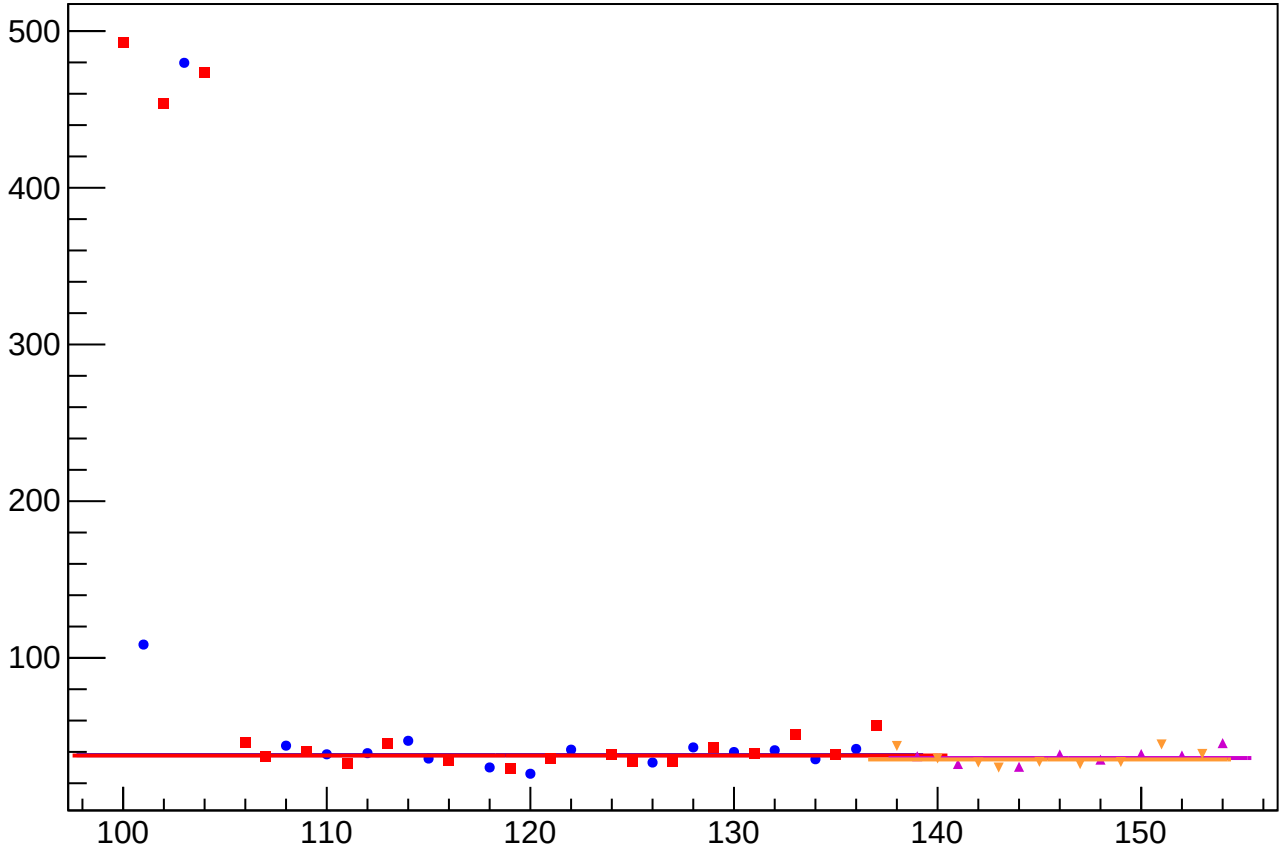
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.004+/-0.011 χ^2/NDF:31.3/23

Out: 0.003+/-0.011 χ^2/NDF:34.4/27

All: -0.000+/-0.008 χ^2/NDF: 65.8/51

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: 36.090+/-0.010 χ^2/NDF:163059.0/7

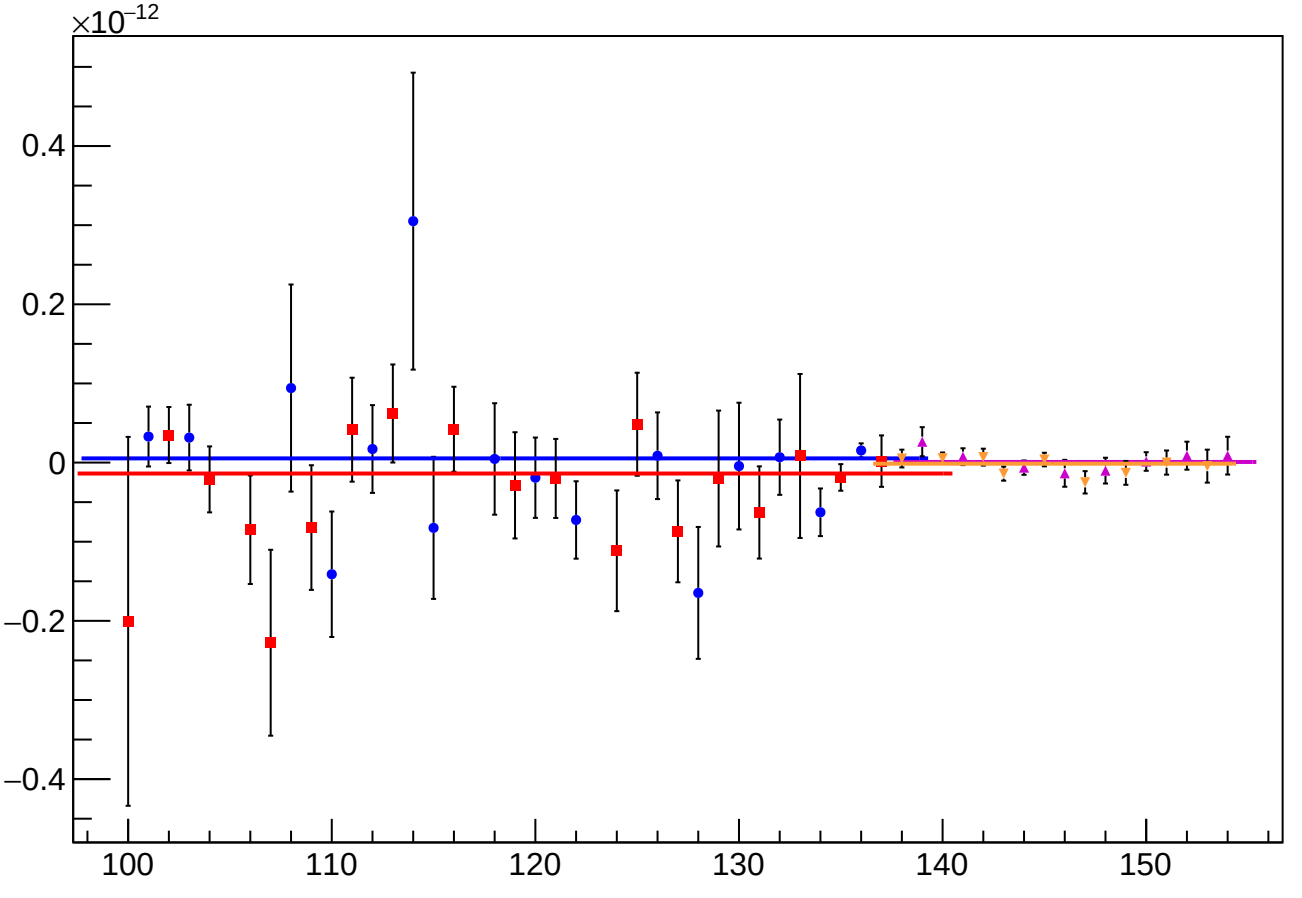
Left: 35.634+/-0.007 χ^2/NDF: 369958.8/16

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.931+/-0.008 χ^2/NDF:1917491.9/23

Out: 36.299+/-0.008 χ^2/NDF:2175091.0/27

All: 36.613+/-0.005 χ^2/NDF: 4096065.1/51



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:4.4/7

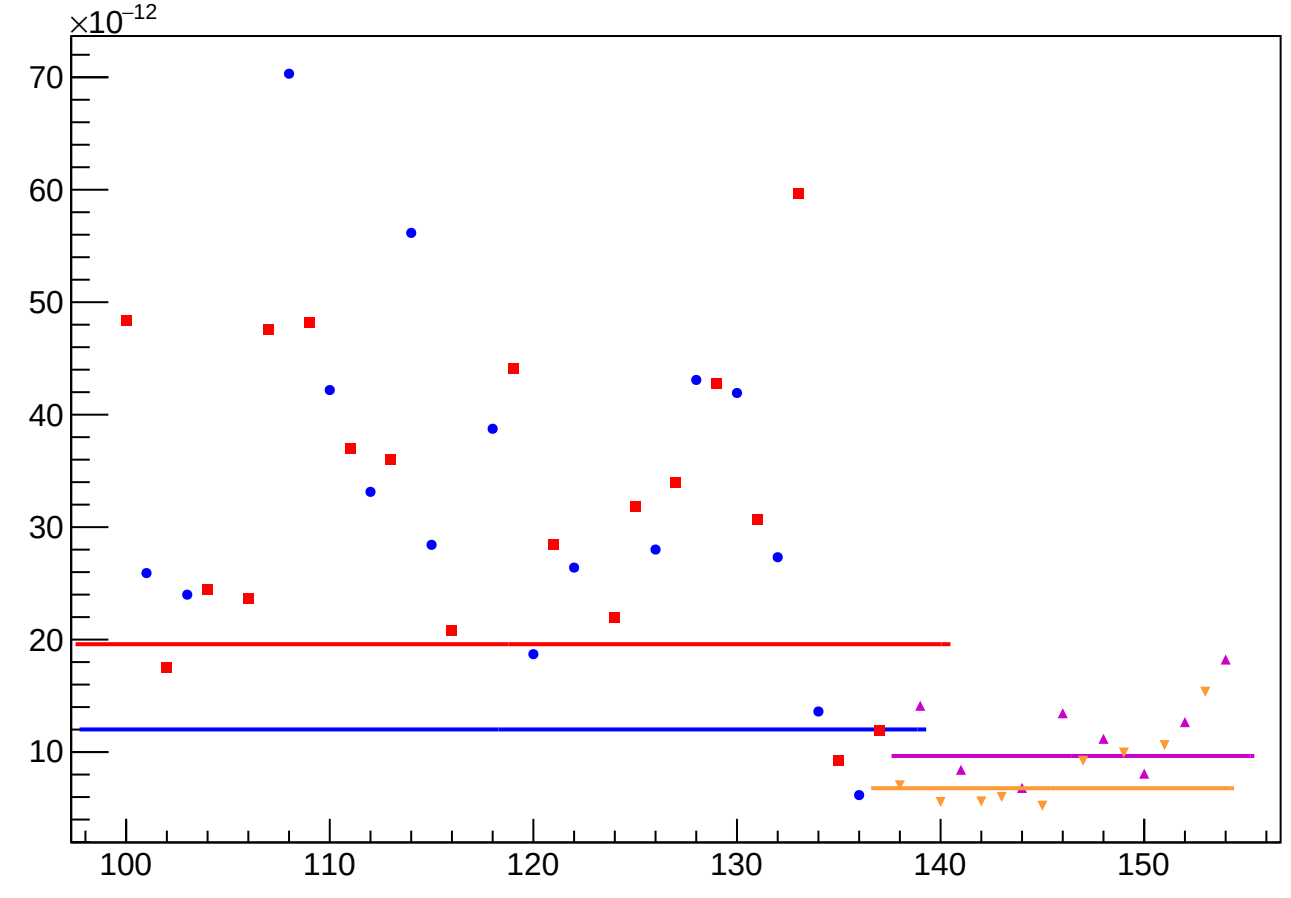
Left: -0.000+/-0.000 χ^2/NDF: 12.2/16

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:26.3/23

Out: -0.000+/-0.000 χ^2/NDF:24.8/27

All: -0.000+/-0.000 χ^2/NDF: 52.0/51



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:810432.4/7

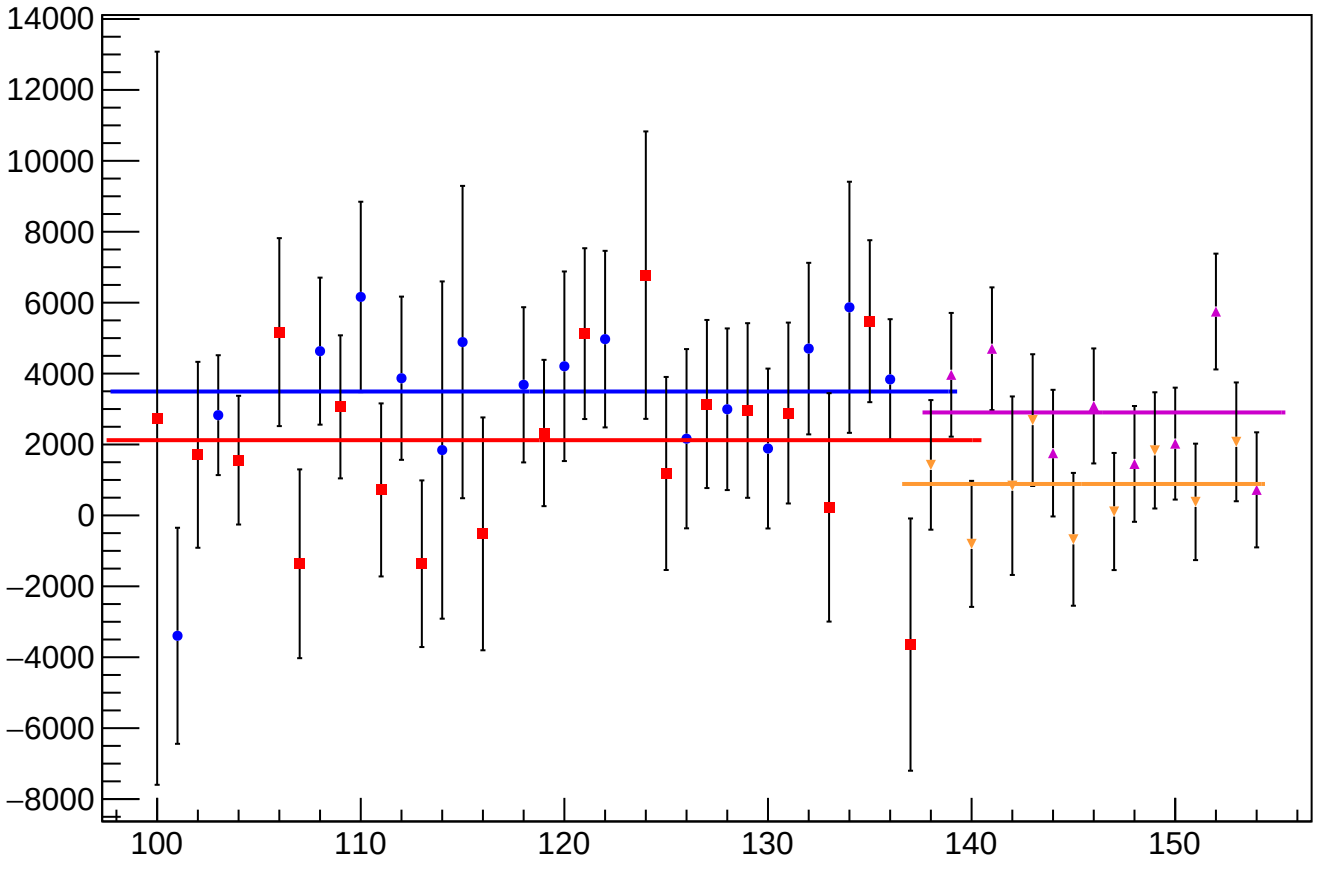
Left: 0.000+/-0.000 χ^2/NDF: 2044834.0/16

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:4818352.4/23

Out: 0.000+/-0.000 χ^2/NDF:6033103.0/27

All: 0.000+/-0.000 χ^2/NDF: 11205490.4/51



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: 2903.615+/-588.543 χ^2/NDF:7.8/7

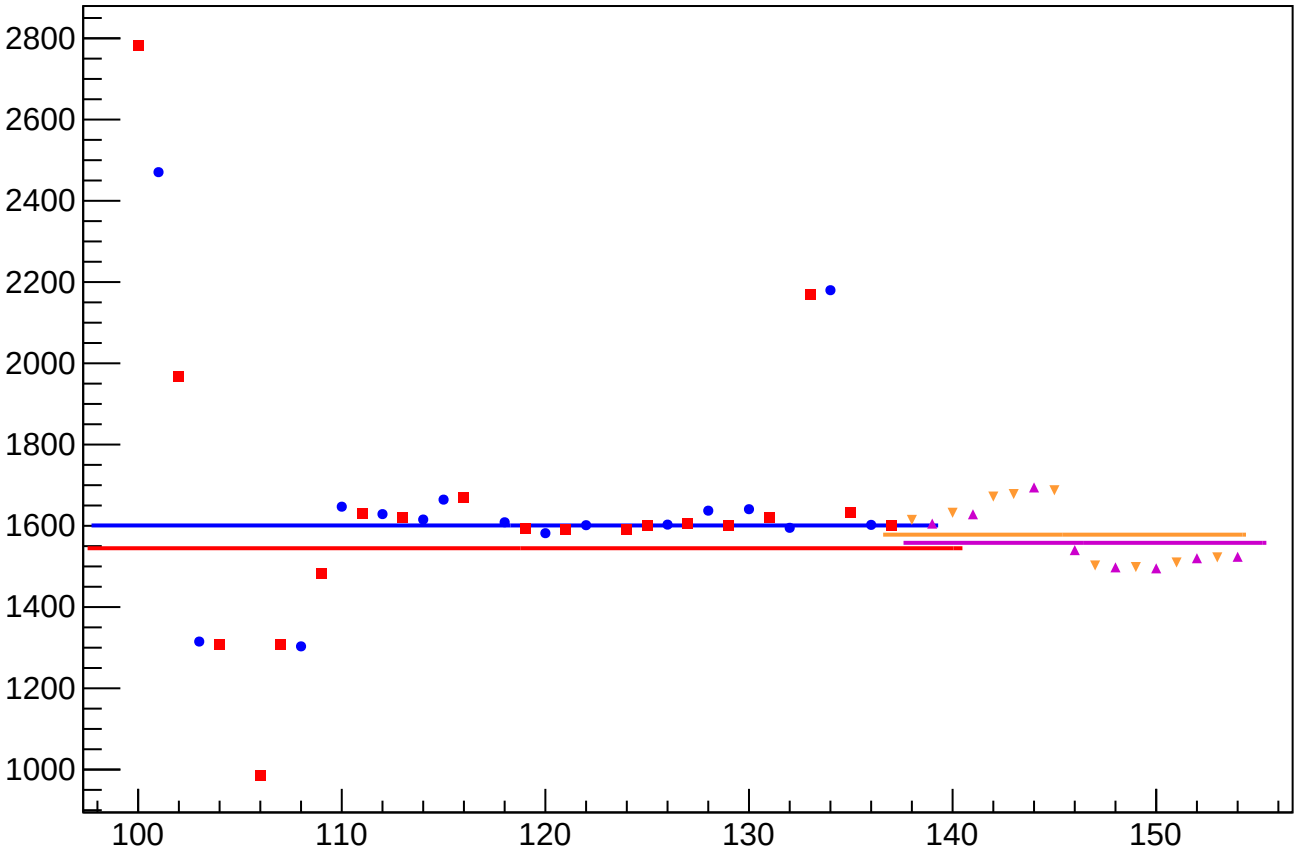
Left: 1907.851+/-418.795 χ^2/NDF: 17.4/16

Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3192.721+/-420.561 χ^2/NDF:17.1/23

Out: 1512.915+/-418.461 χ^2/NDF:21.0/27

All: 2348.612+/-296.636 χ^2/NDF: 46.2/51



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: 1558.102+/-0.416 χ^2/NDF:24540.8/7

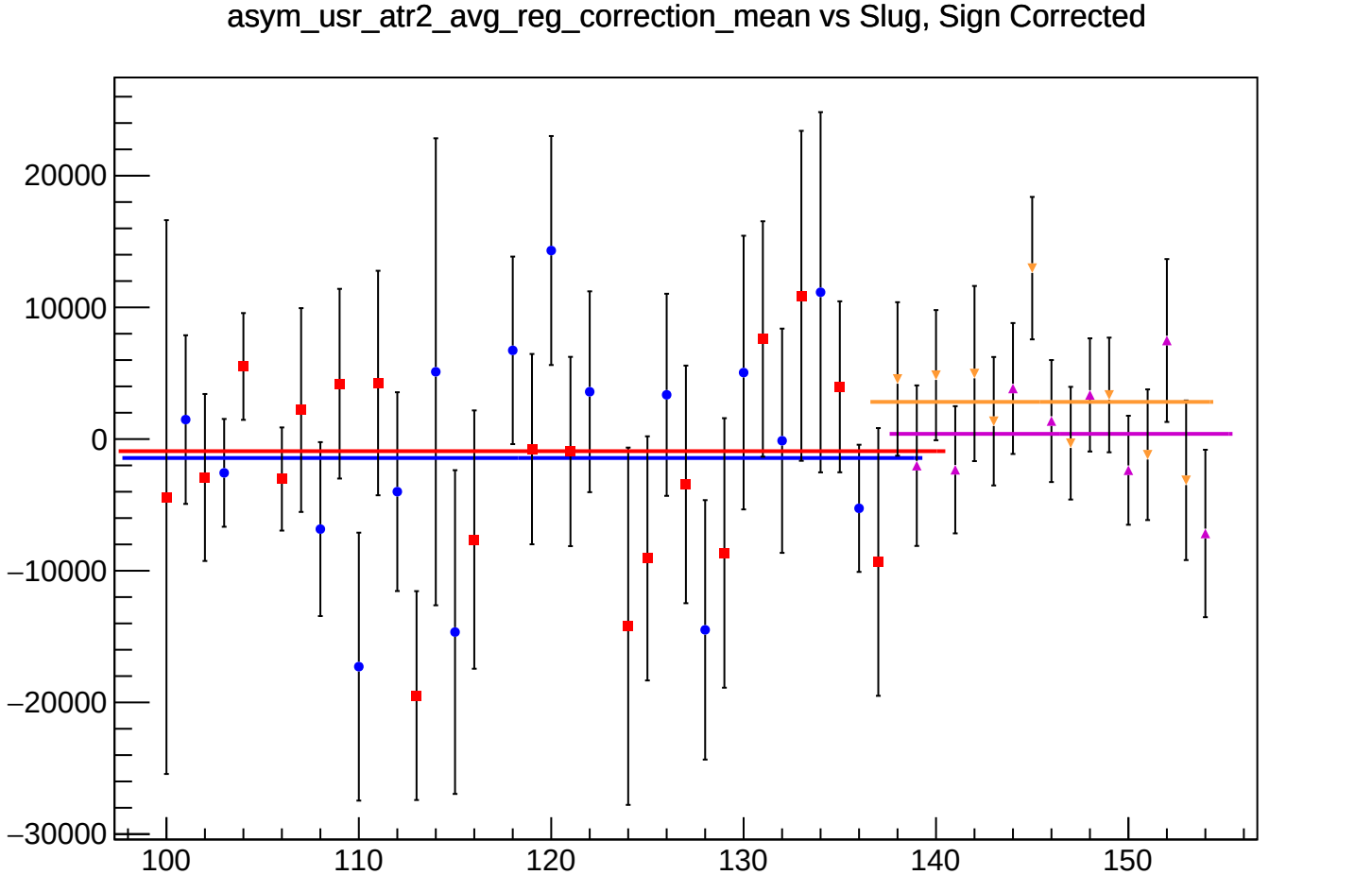
Left: 1568.034+/-0.296 χ^2/NDF: 58352.8/16

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1579.036+/-0.297 χ^2/NDF:347125.6/23

Out: 1560.996+/-0.293 χ^2/NDF:412025.3/27

All: 1569.893+/-0.209 χ^2/NDF: 761016.0/51



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: 394.689+/-1766.967 χ^2/NDF:4.7/7

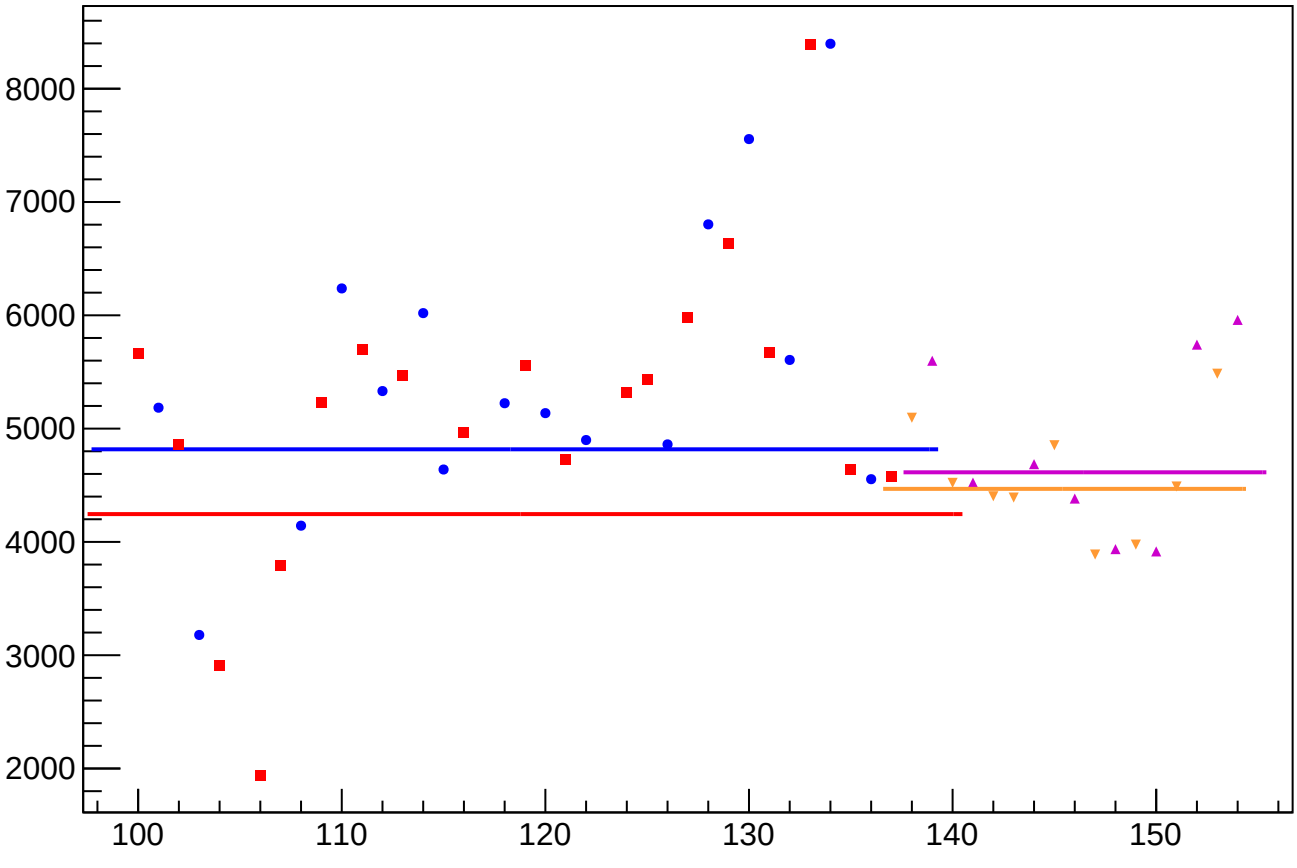
Left: 1653.011+/-1226.575 χ^2/NDF: 11.8/16

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -480.032+/-1277.216 χ^2/NDF:19.0/23

Out: 913.860+/-1192.452 χ^2/NDF:24.0/27

All: 264.699+/-871.618 χ^2/NDF: 43.6/51



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: 4614.416+/-1.249 χ^2/NDF:320958.4/7

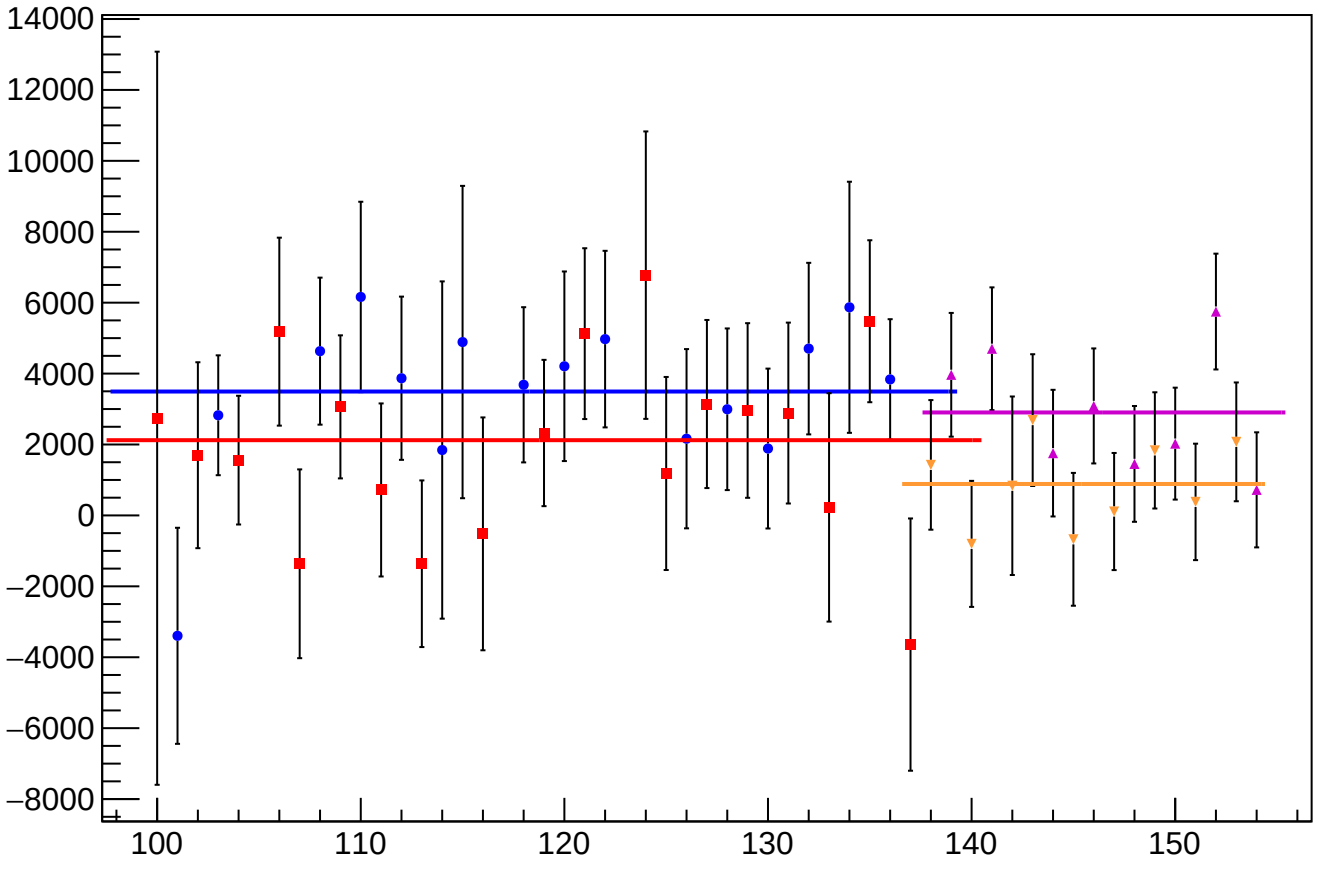
Left: 4538.679+/-0.867 χ^2/NDF: 480812.9/16

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4711.317+/-0.903 χ^2/NDF:1128985.9/23

Out: 4354.594+/-0.843 χ^2/NDF:1853355.4/27

All: 4520.727+/-0.616 χ^2/NDF: 3065696.9/51



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: 2903.716+/-588.543 χ^2/NDF:7.8/7

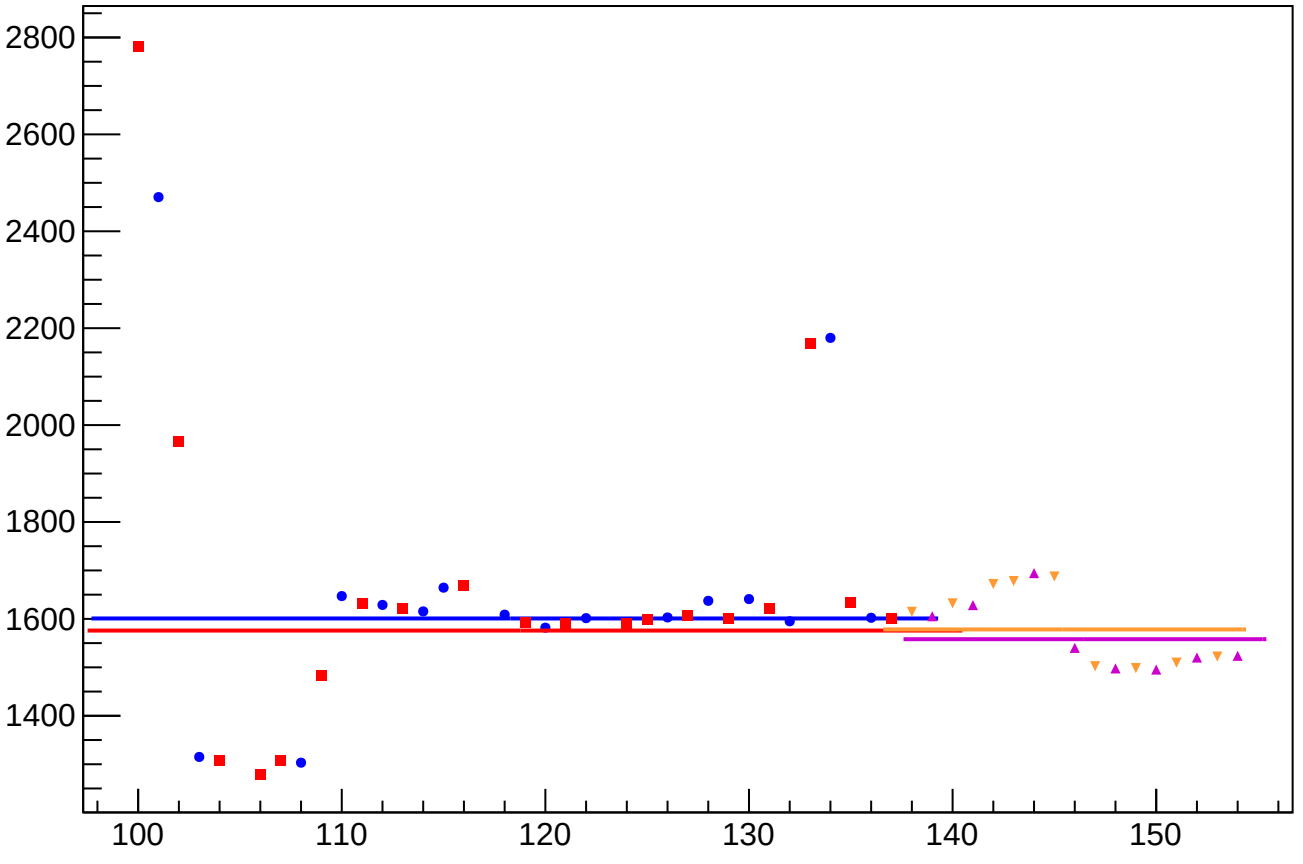
Left: 1907.846+/-418.795 χ^2/NDF: 17.4/16

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3192.609+/-420.561 χ^2/NDF:17.1/23

Out: 1512.851+/-418.462 χ^2/NDF:21.0/27

All: 2348.526+/-296.637 χ^2/NDF: 46.2/51



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: 1558.102+/-0.416 χ^2/NDF:24540.8/7

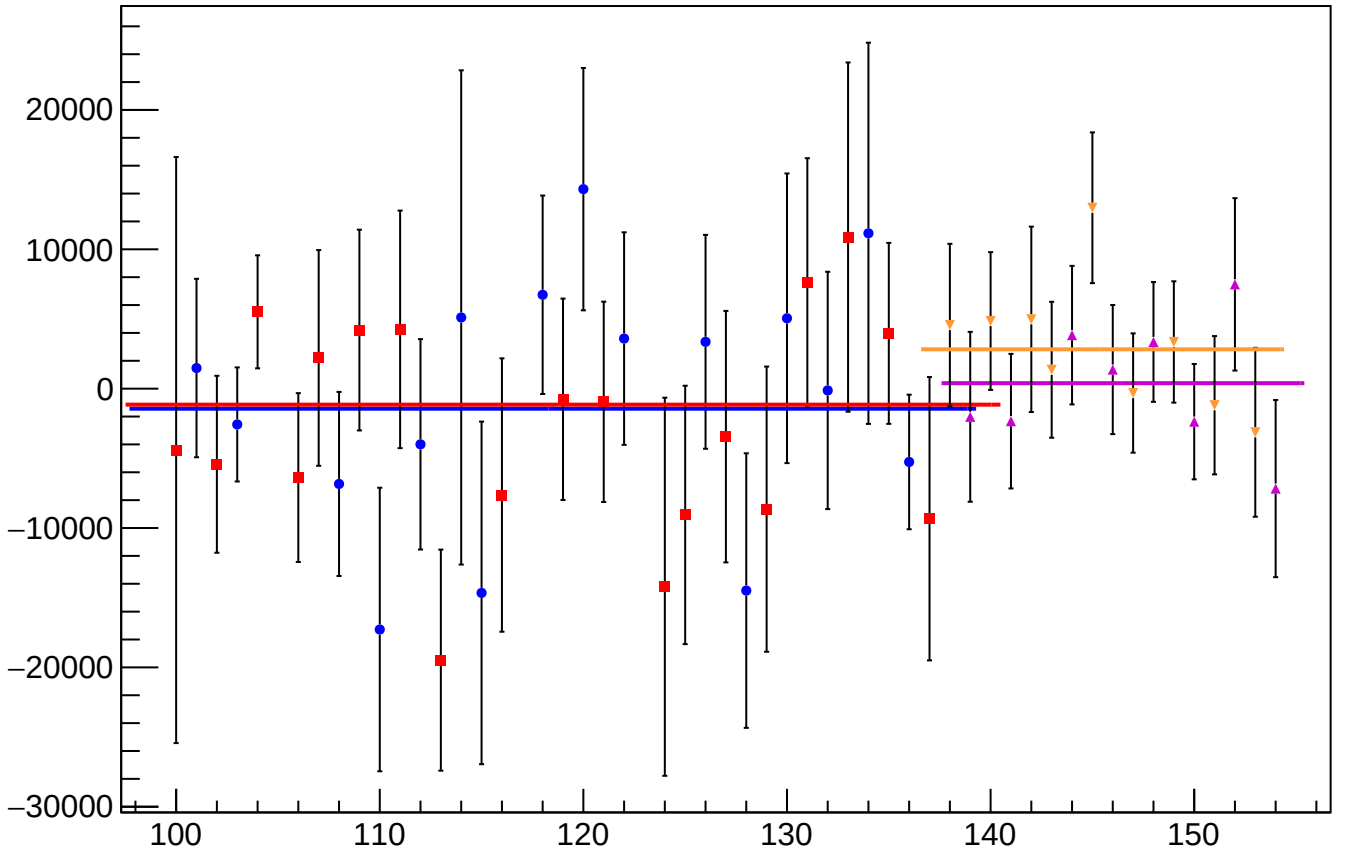
Left: 1568.034+/-0.296 χ^2/NDF: 58352.8/16

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1579.036+/-0.297 χ^2/NDF:347124.8/23

Out: 1577.040+/-0.295 χ^2/NDF:276005.5/27

All: 1578.031+/-0.210 χ^2/NDF: 623153.0/51



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: 394.847+/-1766.967 χ^2/NDF:4.6/7

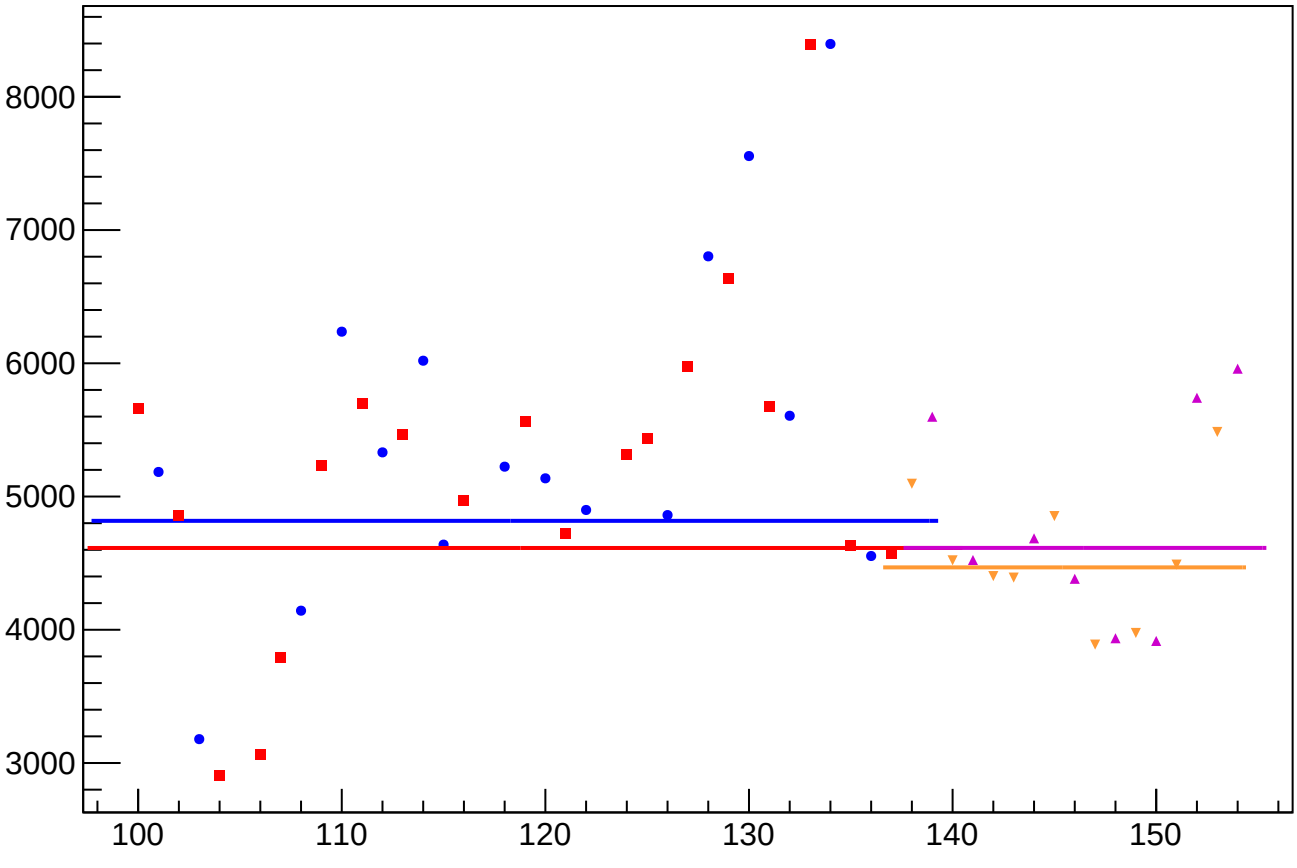
Left: 1653.068+/-1226.574 χ^2/NDF: 11.8/16

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -480.047+/-1277.228 χ^2/NDF:19.0/23

Out: 908.719+/-1226.044 χ^2/NDF:25.0/27

All: 242.720+/-884.485 χ^2/NDF: 44.7/51



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: 4614.415+/-1.249 χ^2/NDF:320959.2/7

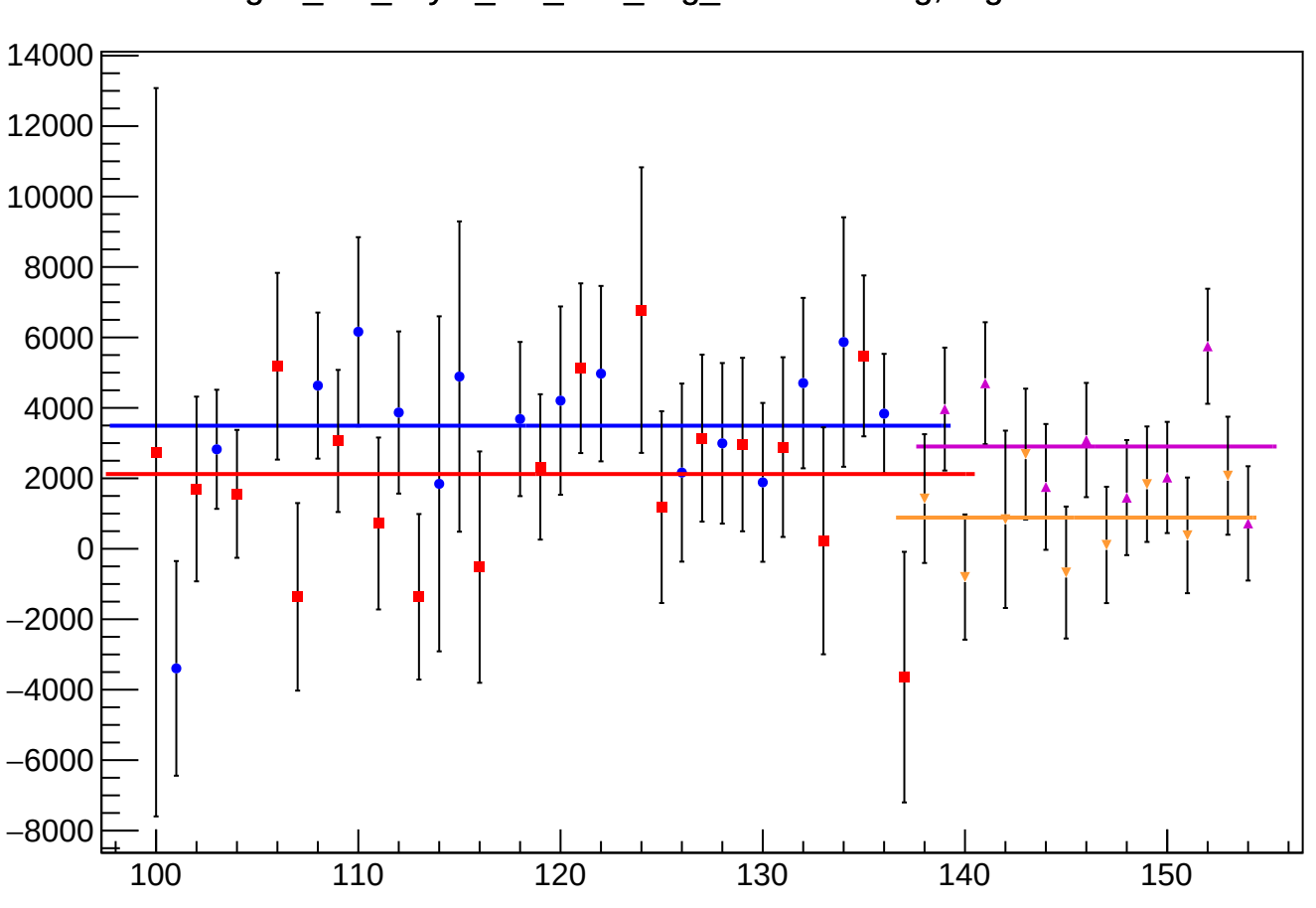
Left: 4538.673+/-0.867 χ^2/NDF: 480819.1/16

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4711.380+/-0.903 χ^2/NDF:1128805.6/23

Out: 4538.466+/-0.867 χ^2/NDF:1137770.0/27

All: 4621.389+/-0.625 χ^2/NDF: 2285653.1/51



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: 2903.716+/-588.543 χ^2/NDF:7.8/7

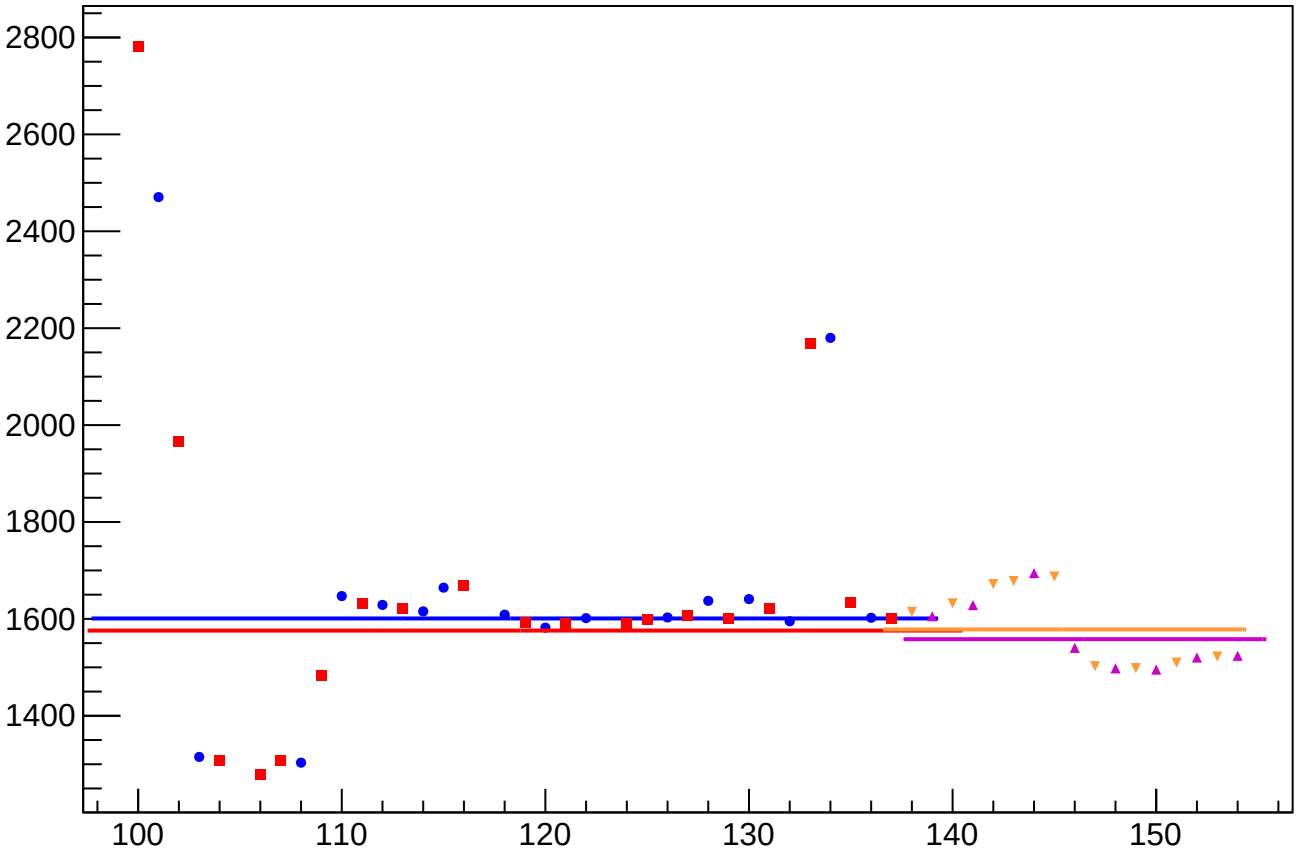
Left: 1907.846+/-418.795 χ^2/NDF: 17.4/16

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3192.609+/-420.561 χ^2/NDF:17.1/23

Out: 1512.851+/-418.462 χ^2/NDF:21.0/27

All: 2348.526+/-296.637 χ^2/NDF: 46.2/51



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: 1558.102+/-0.416 χ^2/NDF:24540.8/7

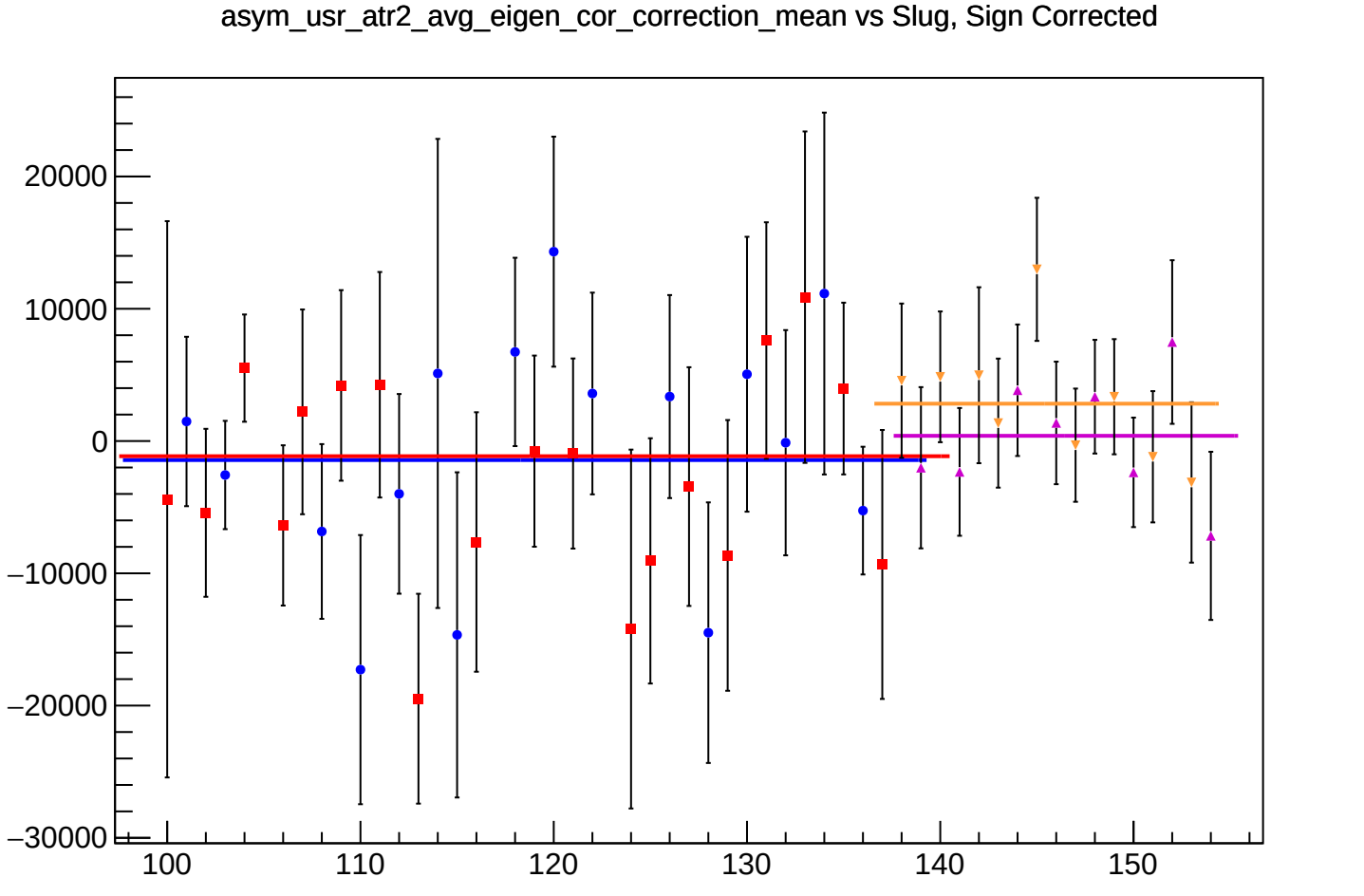
Left: 1568.034+/-0.296 χ^2/NDF: 58352.8/16

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1579.036+/-0.297 χ^2/NDF:347124.8/23

Out: 1577.040+/-0.295 χ^2/NDF:276005.5/27

All: 1578.031+/-0.210 χ^2/NDF: 623153.0/51



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: 394.847+/-1766.967 χ^2/NDF:4.6/7

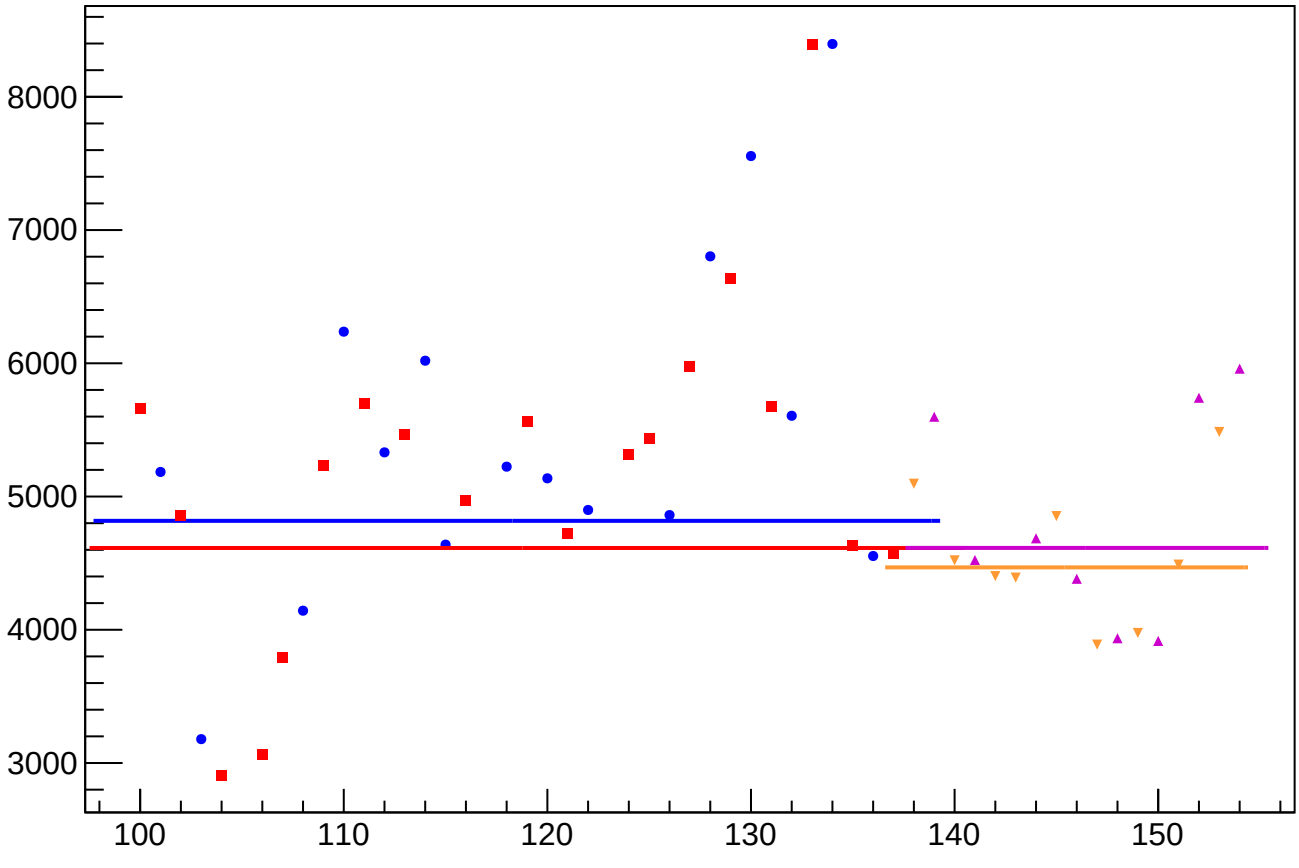
Left: 1653.068+/-1226.574 χ^2/NDF: 11.8/16

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -480.047+/-1277.228 χ^2/NDF:19.0/23

Out: 908.719+/-1226.044 χ^2/NDF:25.0/27

All: 242.720+/-884.485 χ^2/NDF: 44.7/51



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: 4614.415+/-1.249 χ^2/NDF:320959.2/7

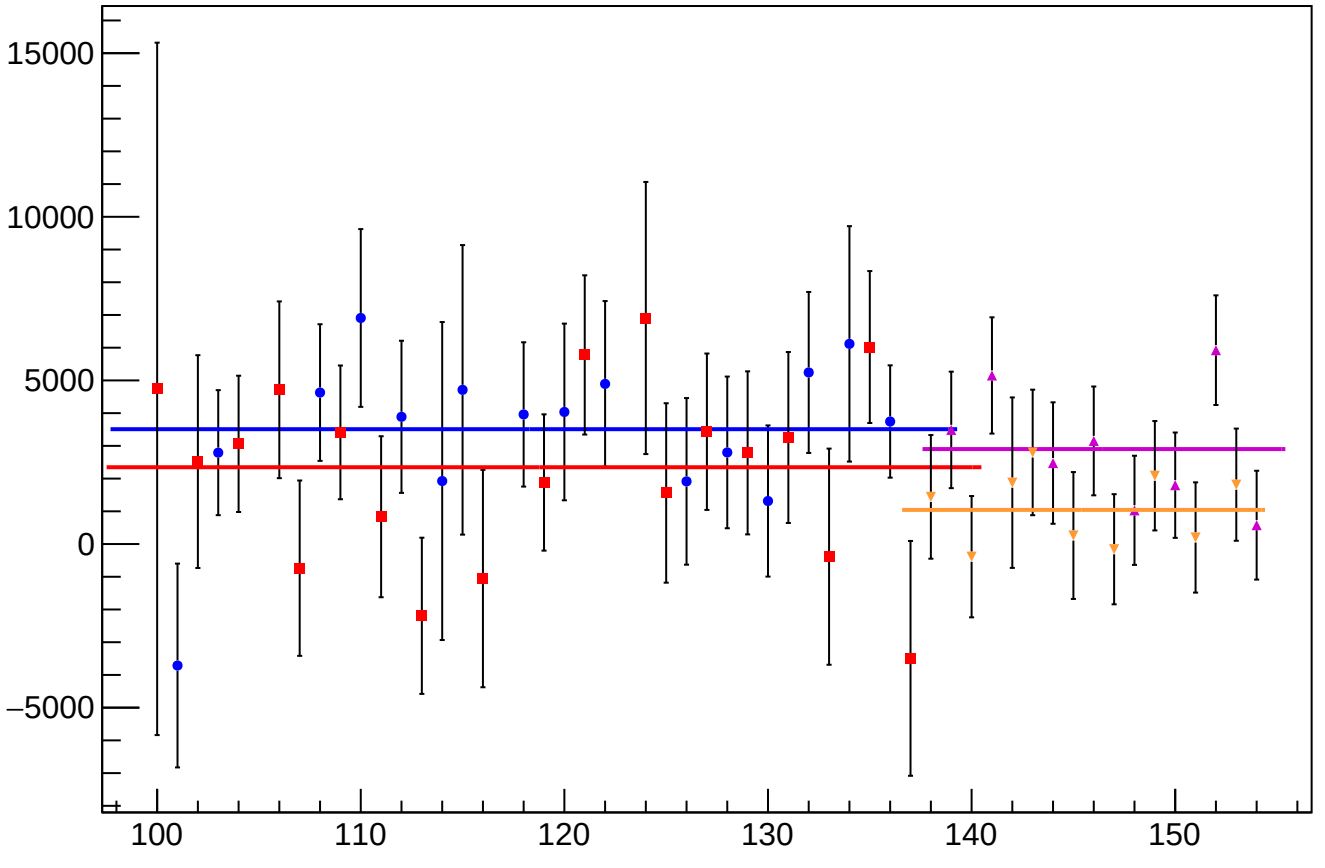
Left: 4538.673+/-0.867 χ^2/NDF: 480819.1/16

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4711.380+/-0.903 χ^2/NDF:1128805.6/23

Out: 4538.466+/-0.867 χ^2/NDF:1137770.0/27

All: 4621.389+/-0.625 χ^2/NDF: 2285653.1/51



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: 2902.220+/-603.262 χ^2/NDF:8.7/7

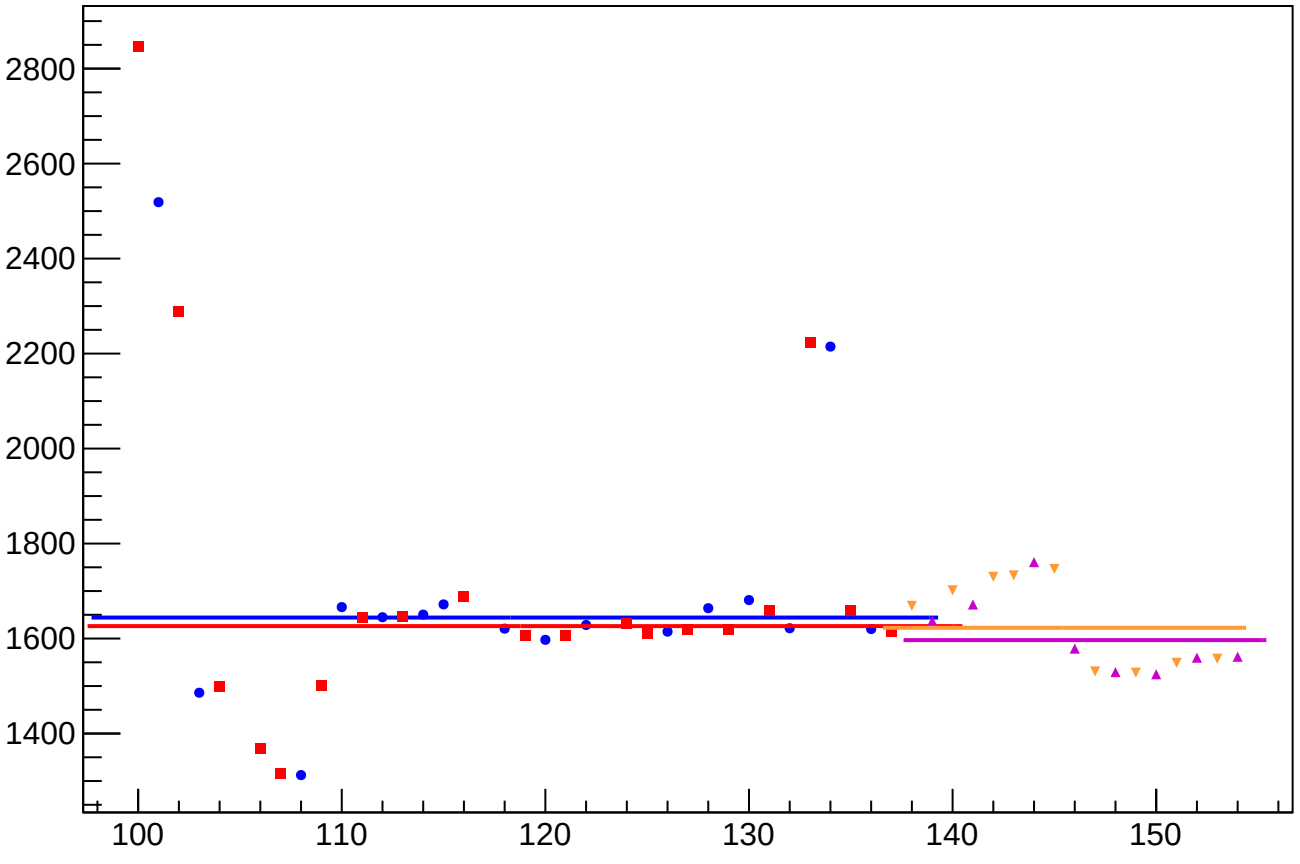
Left: 1988.047+/-430.011 χ^2/NDF: 16.5/16

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3199.163+/-431.251 χ^2/NDF:19.6/23

Out: 1701.306+/-431.539 χ^2/NDF:22.5/27

All: 2450.734+/-305.042 χ^2/NDF: 48.1/51



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: 1596.713+/-0.427 χ^2/NDF:29581.6/7

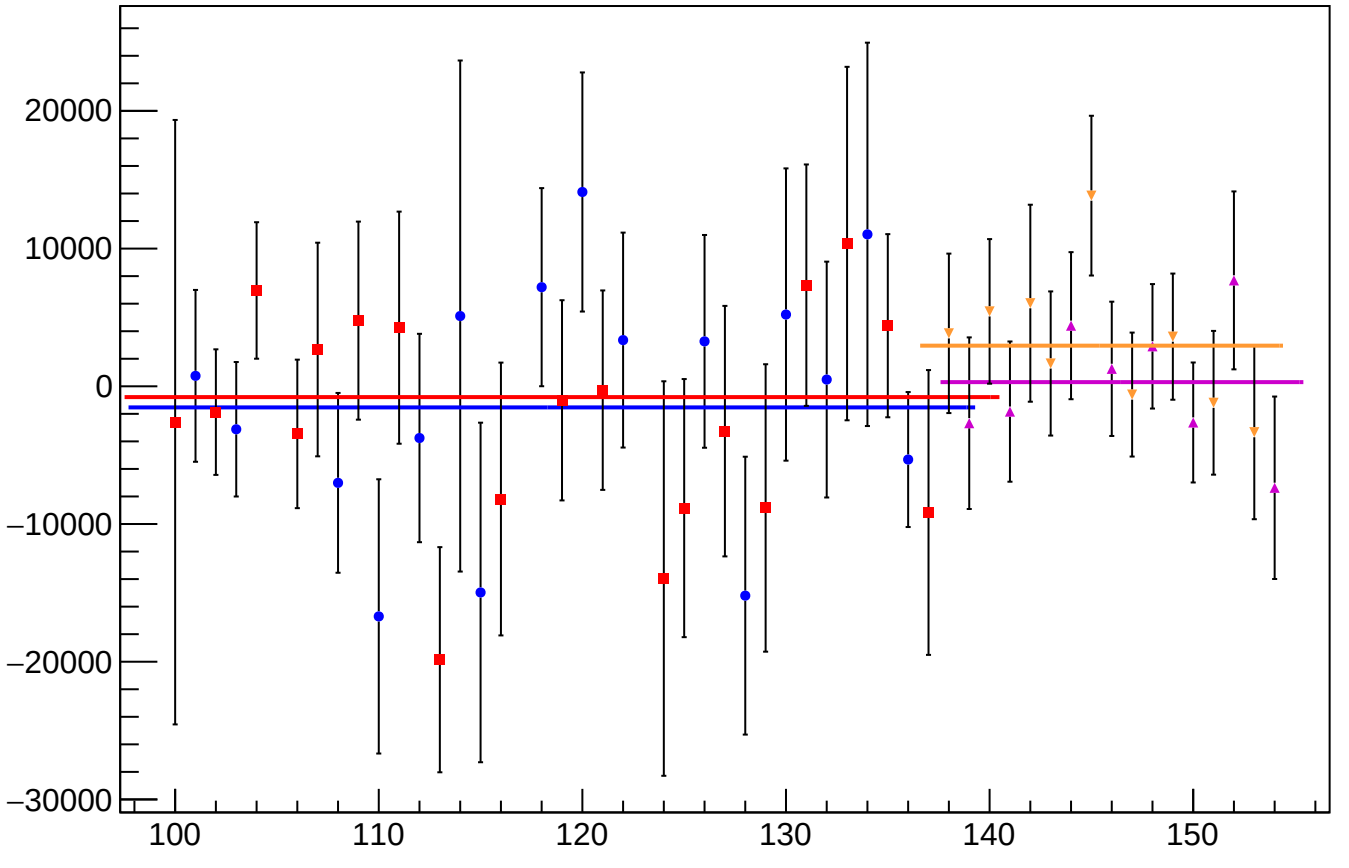
Left: 1609.510+/-0.304 χ^2/NDF: 73489.2/16

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1619.932+/-0.305 χ^2/NDF:310458.8/23

Out: 1624.468+/-0.305 χ^2/NDF:279749.1/27

All: 1622.200+/-0.216 χ^2/NDF: 590318.5/51



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: 303.359+/-1857.362 χ^2/NDF:4.5/7

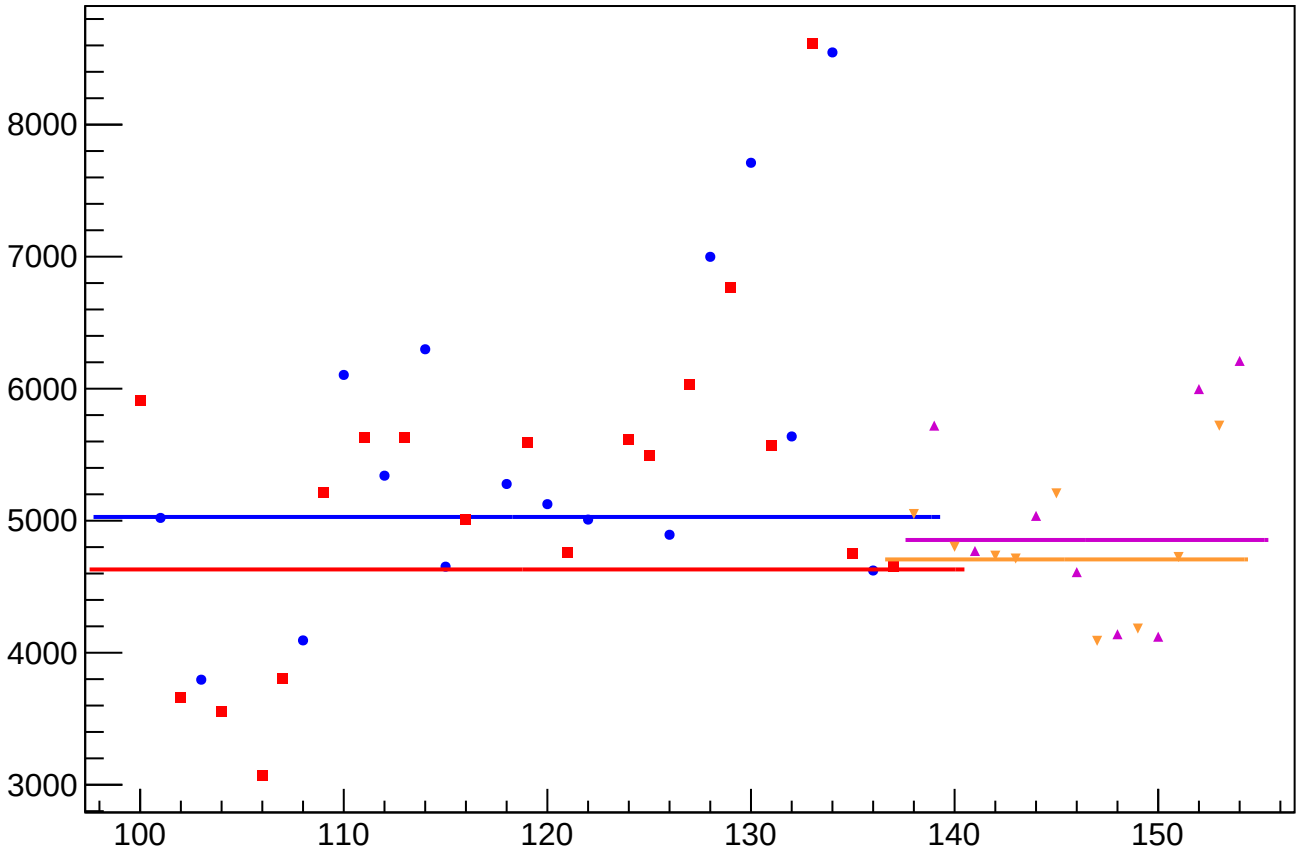
Left: 1673.185+/-1290.433 χ^2/NDF: 11.8/16

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -586.913+/-1332.859 χ^2/NDF:18.8/23

Out: 1035.496+/-1252.236 χ^2/NDF:23.6/27

All: 274.841+/-912.636 χ^2/NDF: 43.2/51



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: 4854.150+/-1.313 χ^2/NDF:299440.4/7

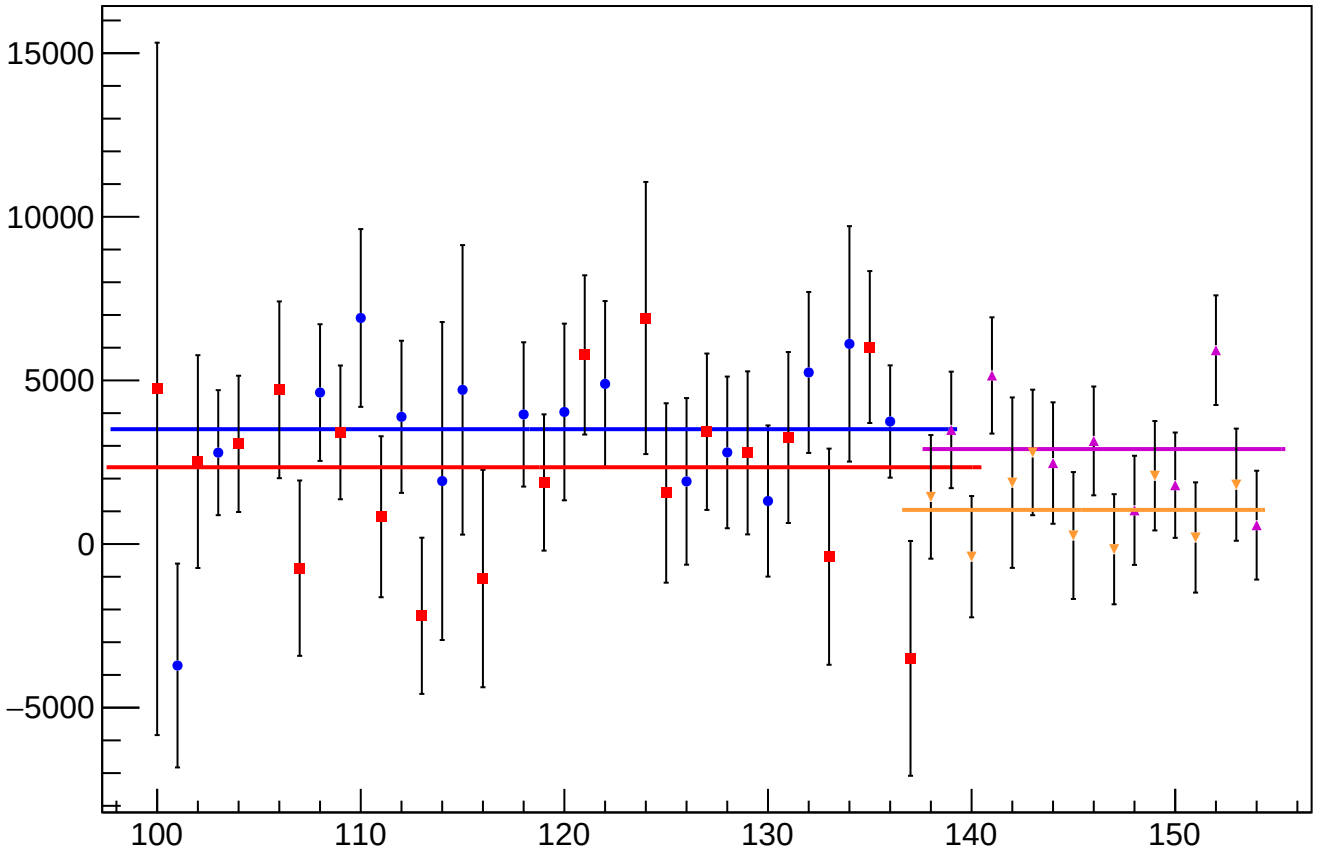
Left: 4777.951+/-0.912 χ^2/NDF: 443664.0/16

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 4938.692+/-0.942 χ^2/NDF:873452.7/23

Out: 4667.898+/-0.885 χ^2/NDF:1003069.5/27

All: 4794.857+/-0.645 χ^2/NDF: 1920371.5/51



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: 2902.217+/-603.262 χ^2/NDF:8.7/7

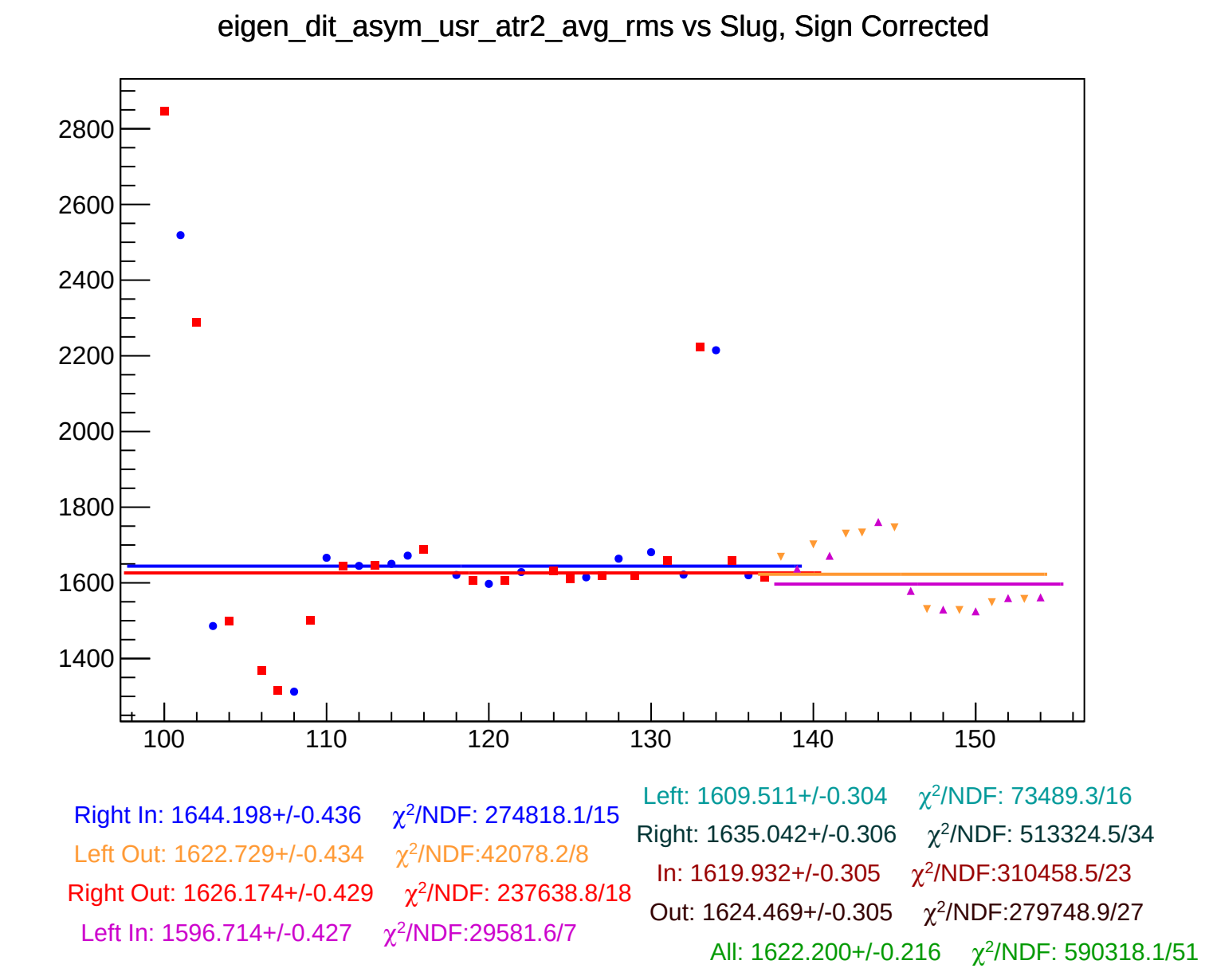
Left: 1988.044+/-430.011 χ^2/NDF: 16.5/16

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

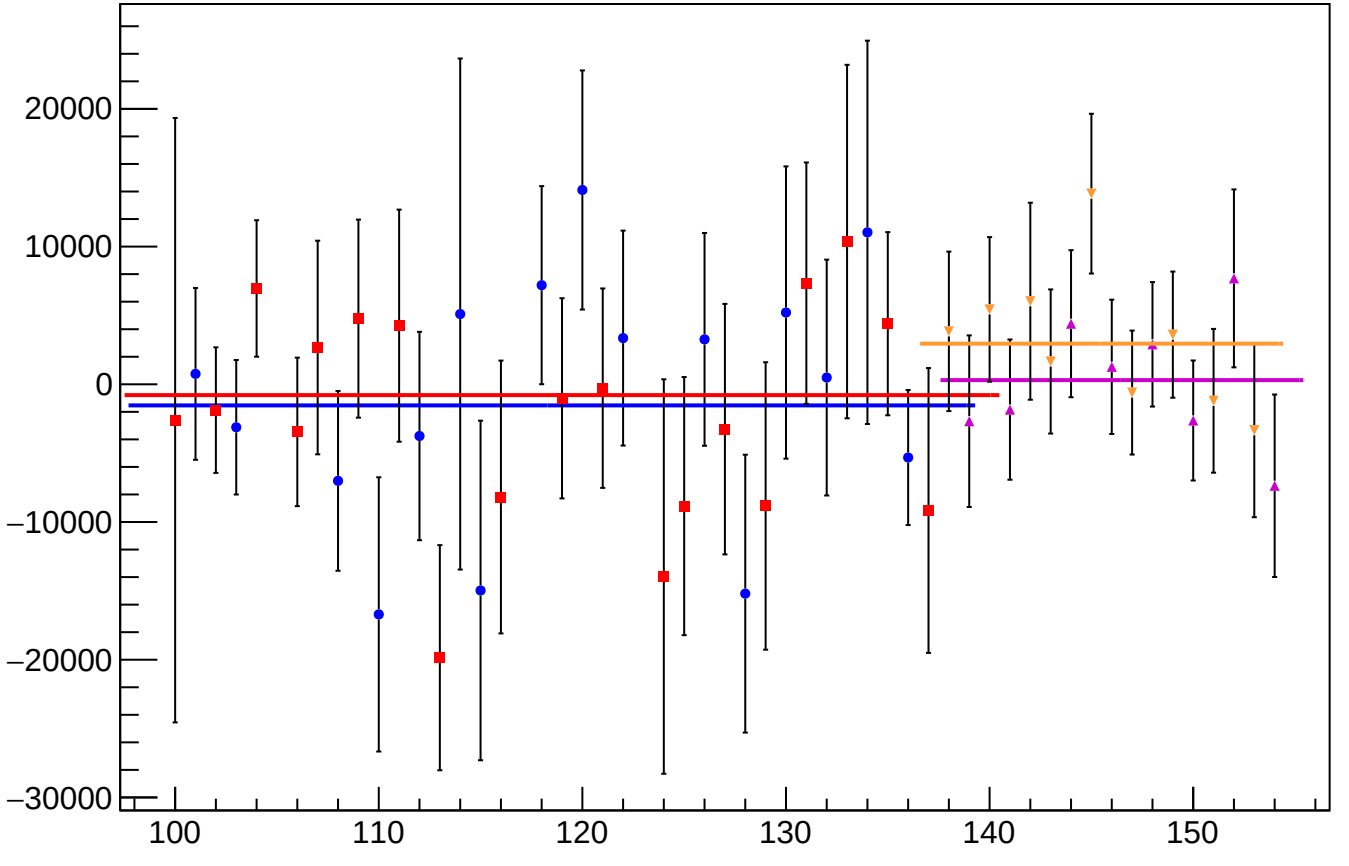
In: 3199.163+/-431.251 χ^2/NDF:19.6/23

Out: 1701.308+/-431.539 χ^2/NDF:22.5/27

All: 2450.735+/-305.042 χ^2/NDF: 48.1/51


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
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: 1596.714+/-0.427 χ²/NDF:29581.6/7
Left: 1609.511+/-0.304 χ²/NDF: 73489.3/16
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1619.932+/-0.305 χ²/NDF:310458.5/23
Out: 1624.469+/-0.305 χ²/NDF:279748.9/27
All: 1622.200+/-0.216 χ²/NDF: 590318.1/51

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 303.356+/-1857.365 χ^2/NDF:4.5/7

Left: 1673.183+/-1290.435 χ^2/NDF: 11.8/16

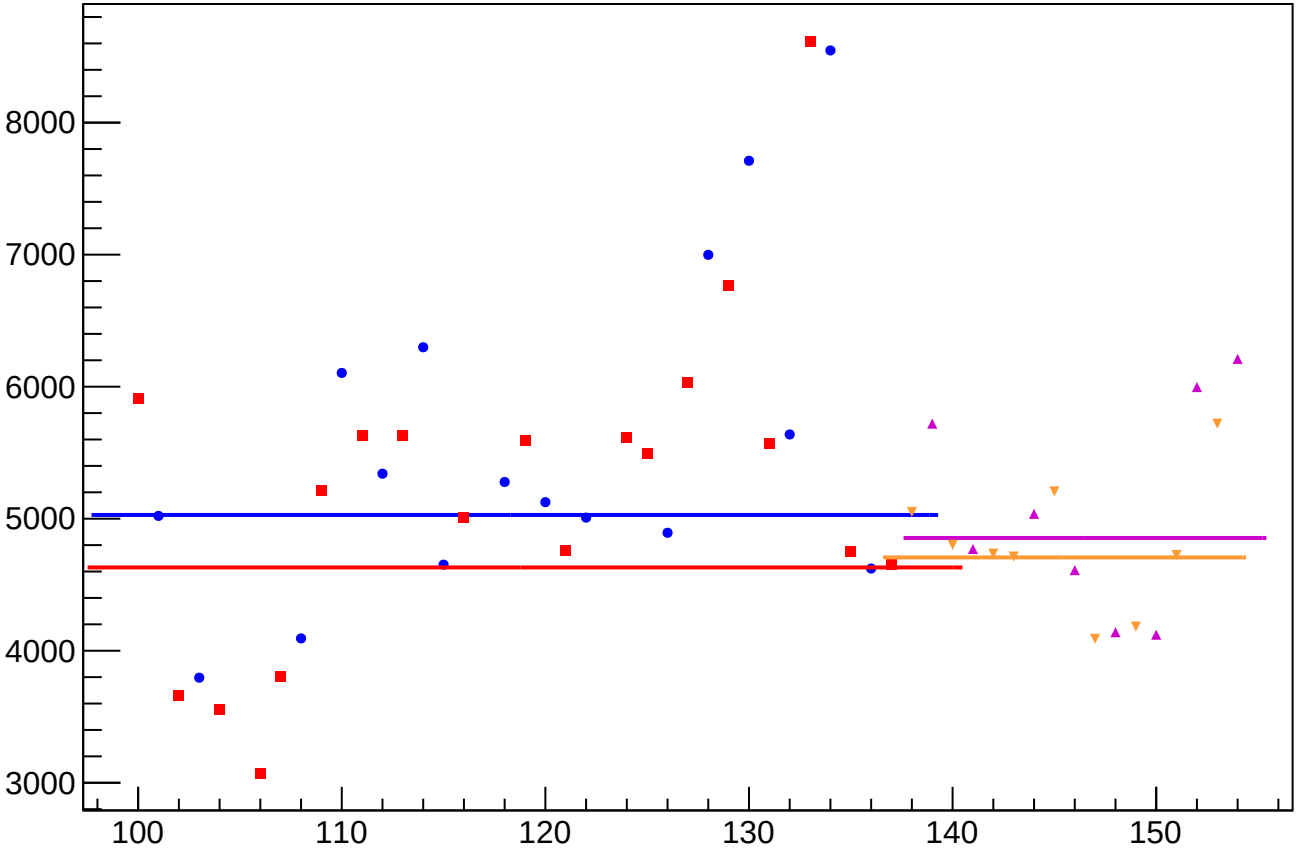
Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -586.910+/-1332.859 χ^2/NDF:18.8/23

Out: 1035.488+/-1252.236 χ^2/NDF:23.6/27

All: 274.839+/-912.636 χ^2/NDF: 43.2/51

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 4854.157+/-1.313 χ^2/NDF:299439.5/7

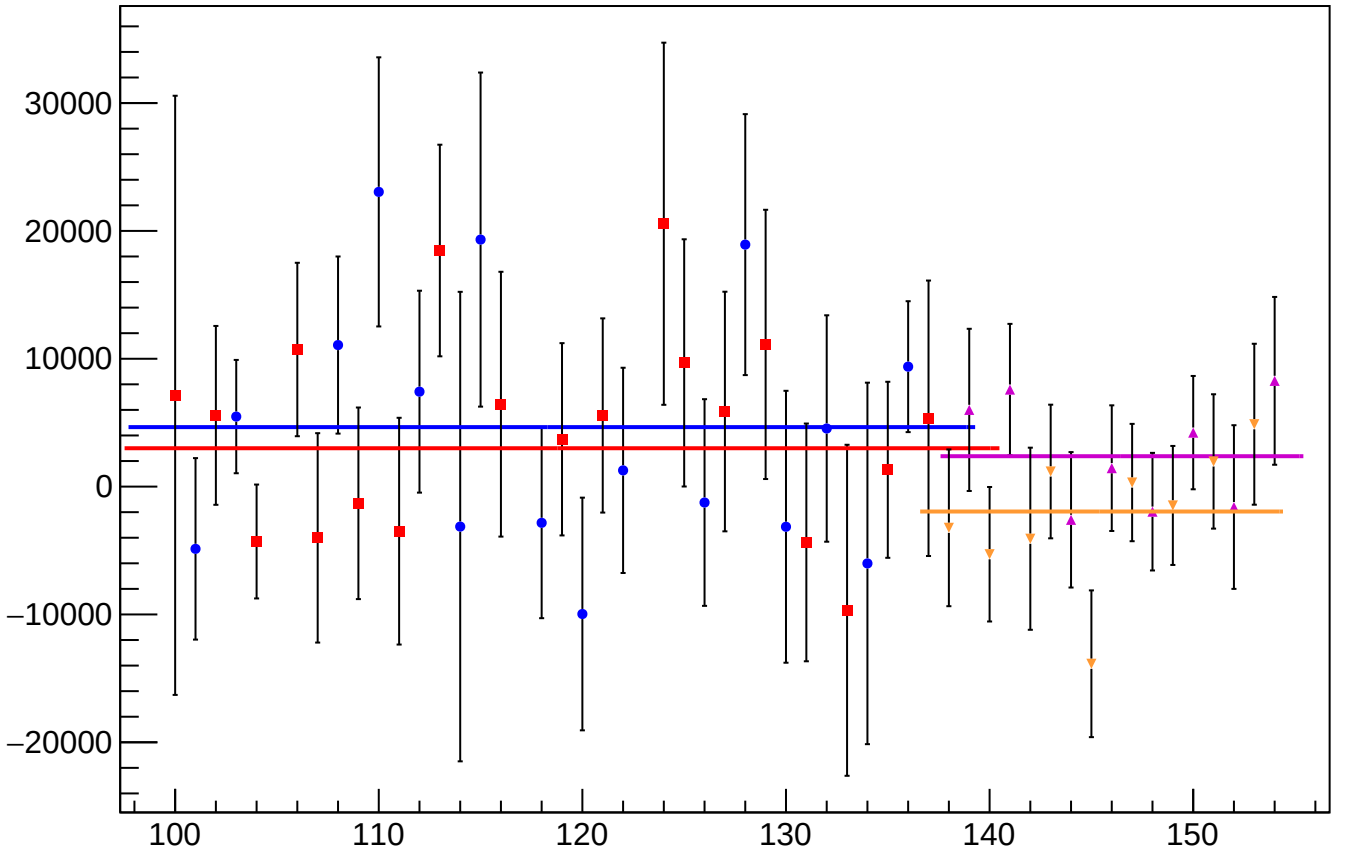
Left: 4777.958+/-0.912 χ^2/NDF: 443663.0/16

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 4938.692+/-0.942 χ^2/NDF:873444.2/23

Out: 4667.898+/-0.885 χ^2/NDF:1003064.2/27

All: 4794.858+/-0.645 χ^2/NDF: 1920357.9/51



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: 2377.678+/-1871.293 χ^2/NDF:4.5/7

Left: 145.223+/-1301.797 χ^2/NDF: 14.5/16

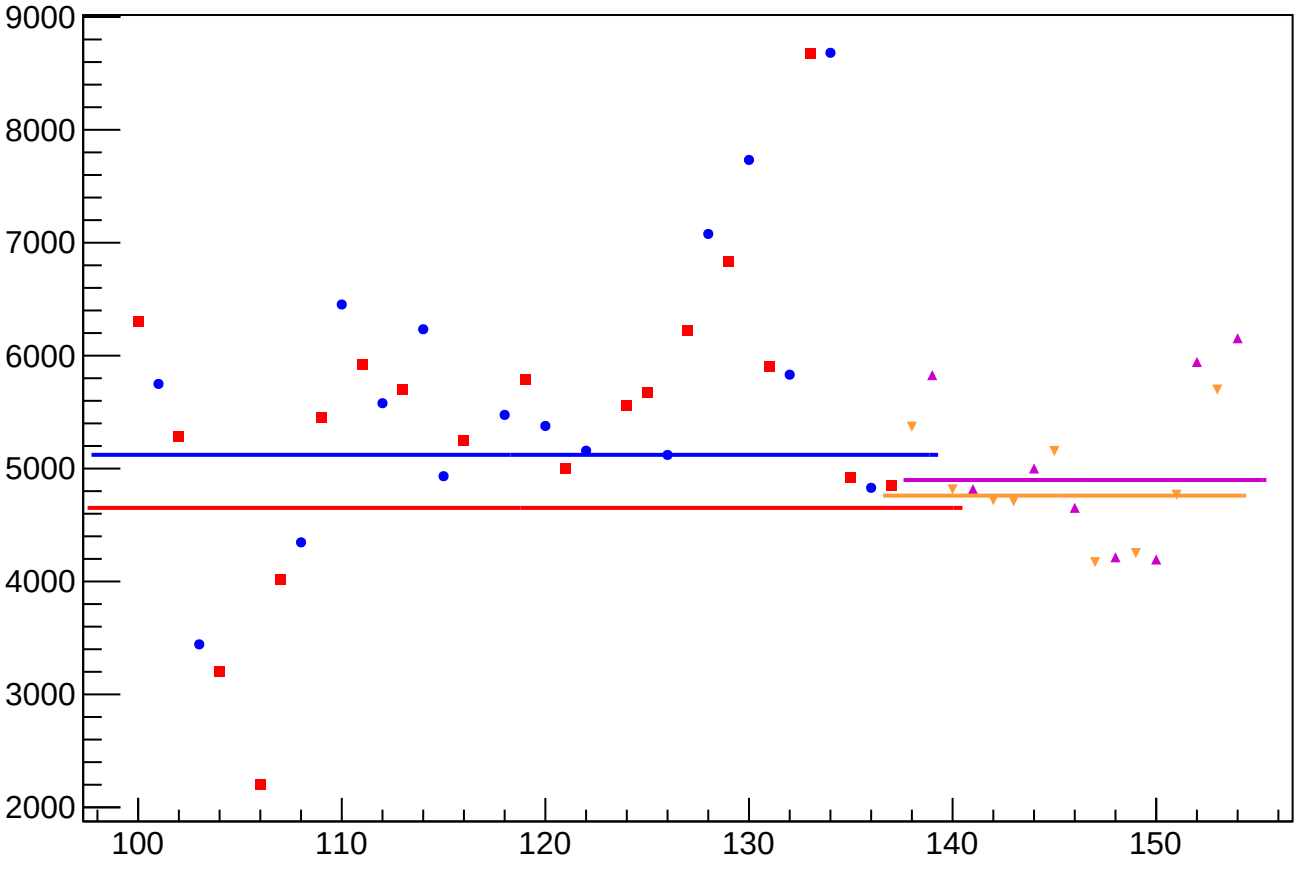
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3463.623+/-1352.982 χ^2/NDF:20.8/23

Out: 431.692+/-1305.660 χ^2/NDF:24.6/27

All: 1893.708+/-939.525 χ^2/NDF: 48.0/51

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: 4898.724+/-1.323 χ^2/NDF:270428.2/7

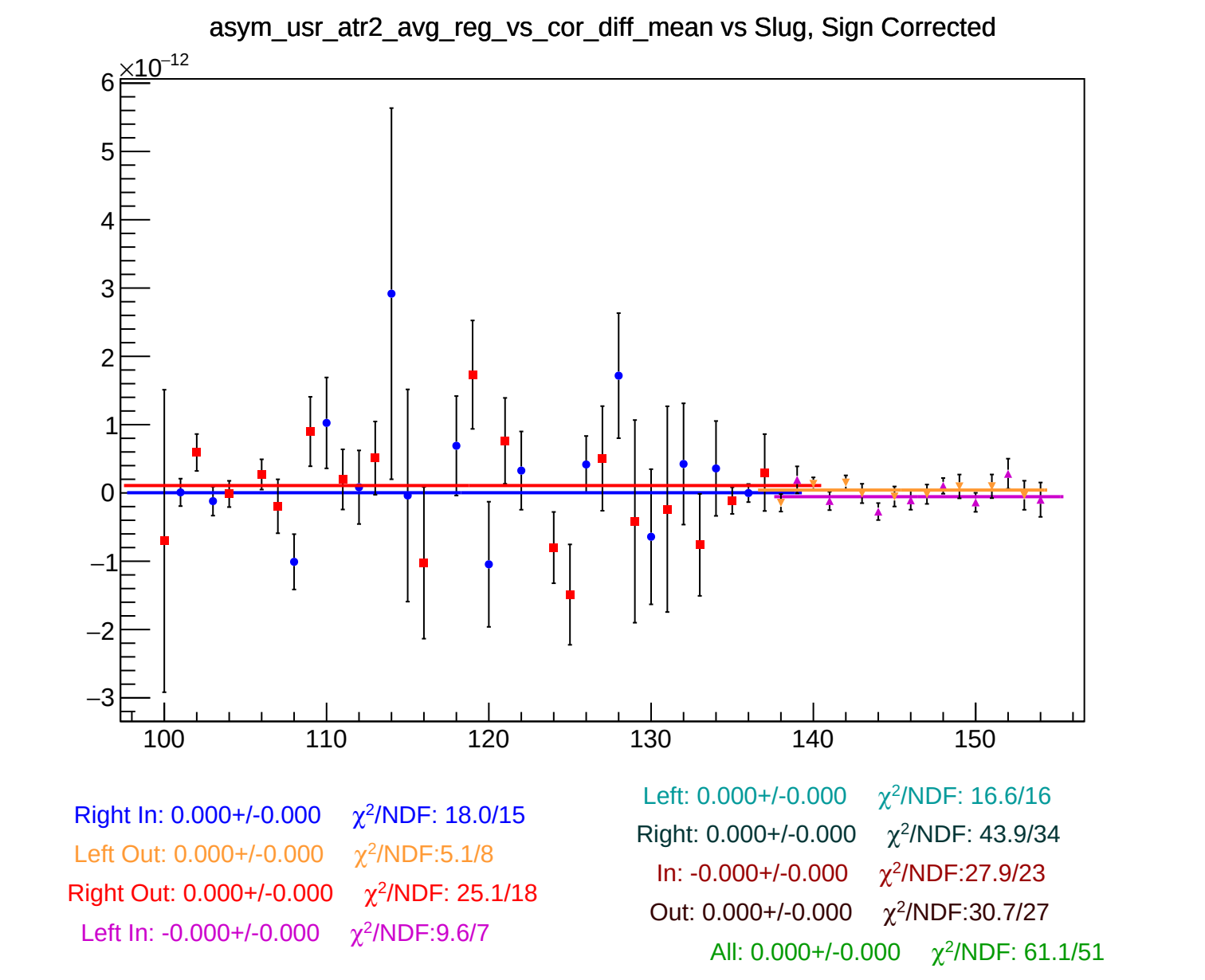
Left: 4827.399+/-0.921 χ^2/NDF: 407228.8/16

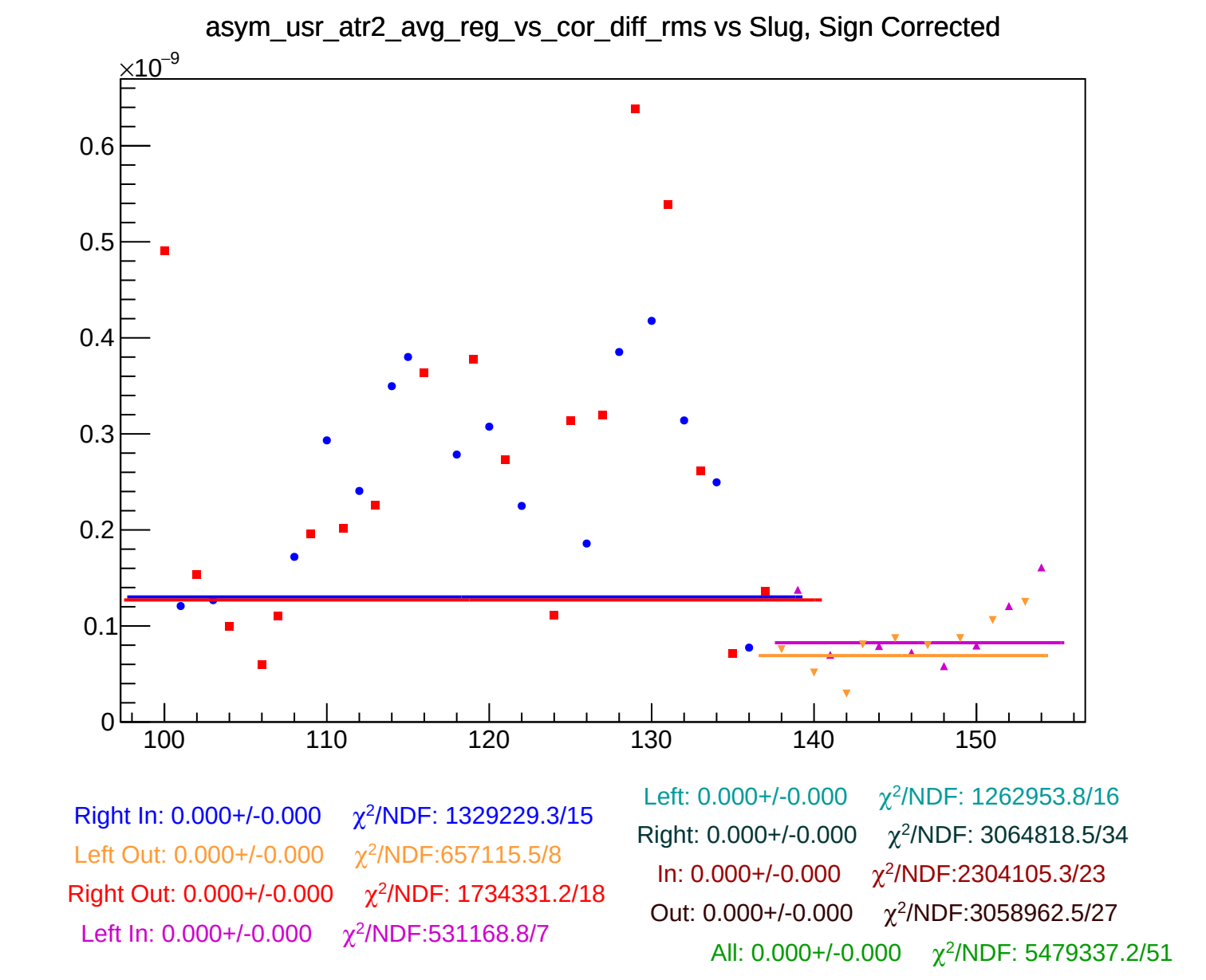
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

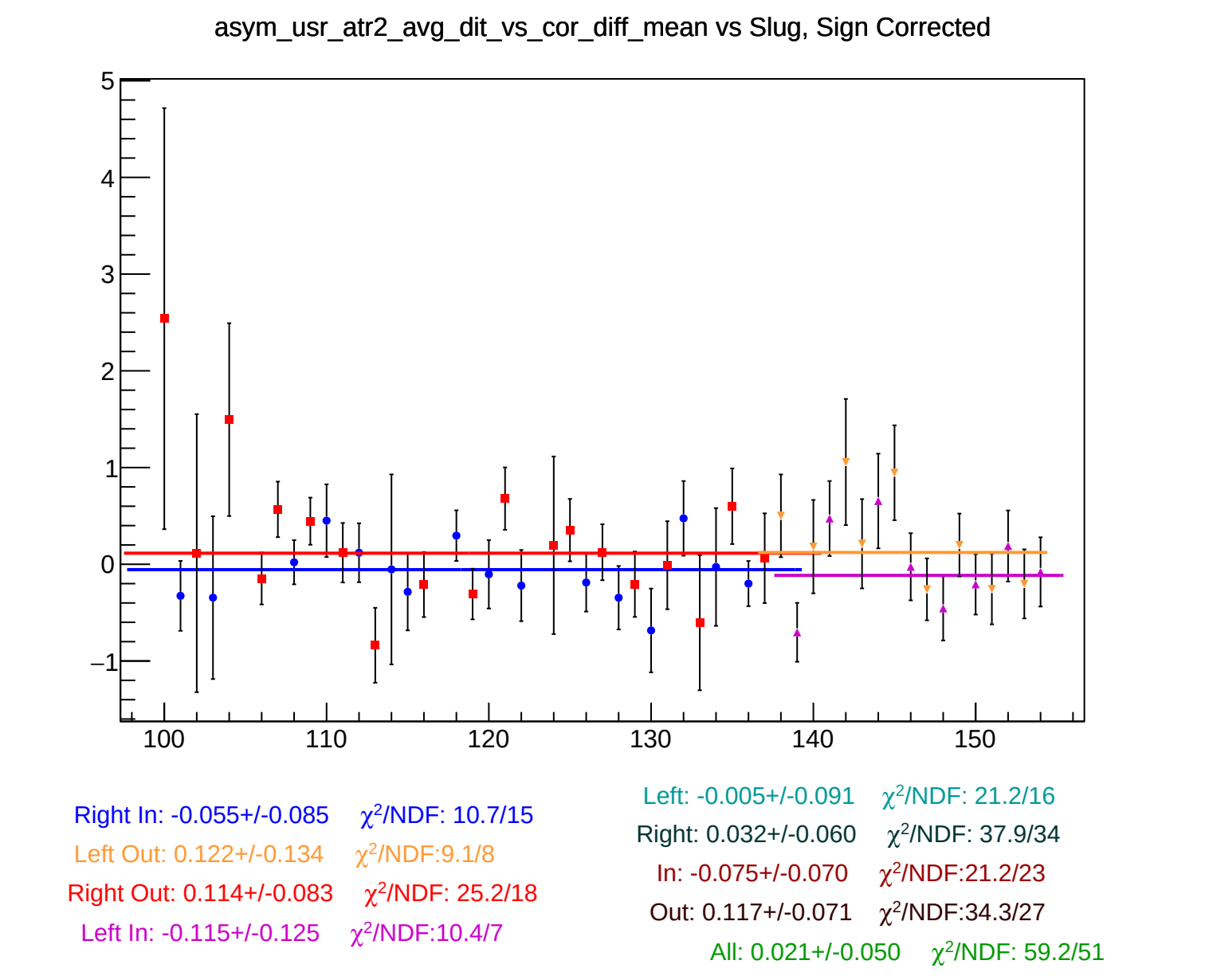
In: 5005.111+/-0.957 χ^2/NDF:1004343.4/23

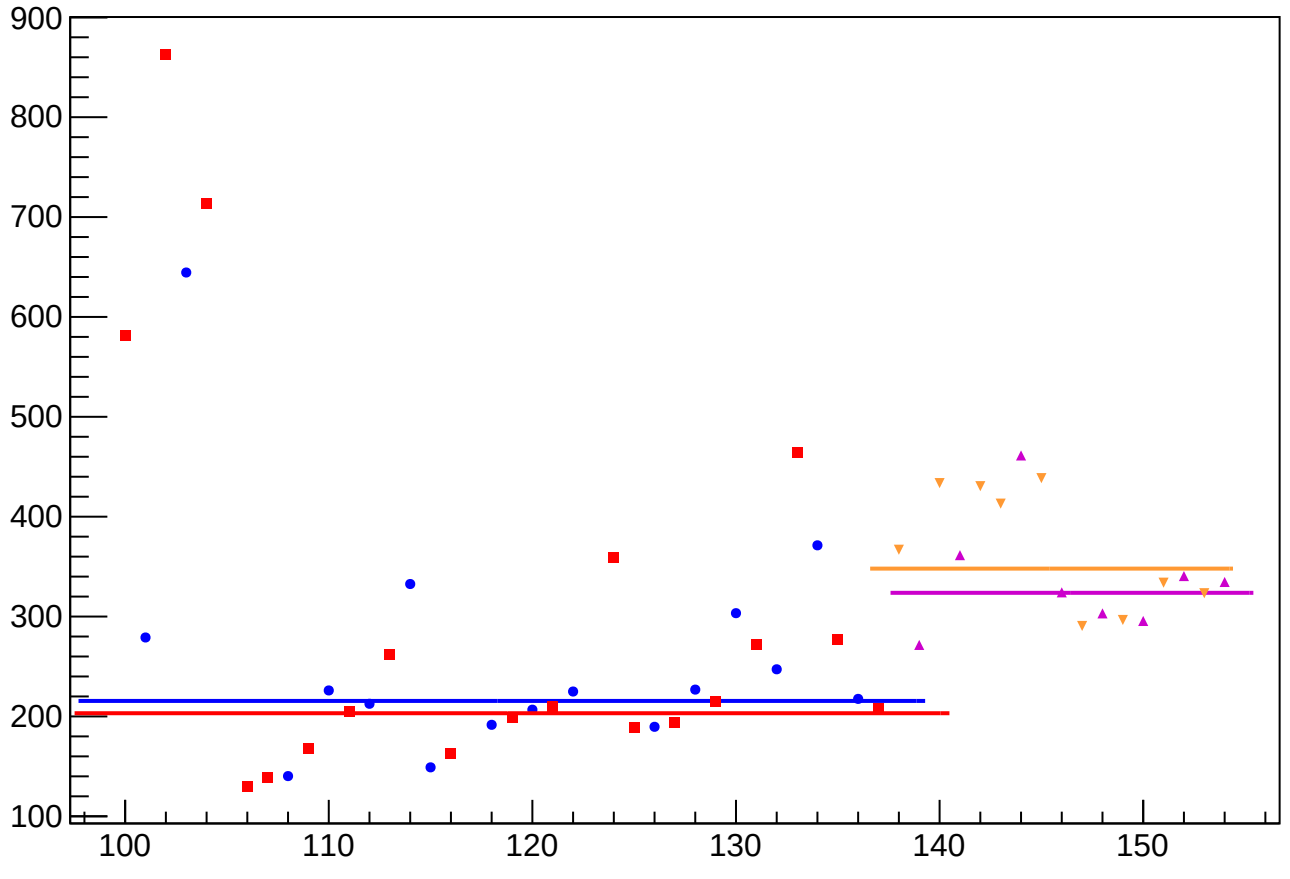
Out: 4706.074+/-0.906 χ^2/NDF:1479644.6/27

All: 4847.412+/-0.658 χ^2/NDF: 2535510.7/51


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
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:9.6/7
Left: 0.000+/-0.000 χ²/NDF: 16.6/16
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:27.9/23
Out: 0.000+/-0.000 χ²/NDF:30.7/27
All: 0.000+/-0.000 χ²/NDF: 61.1/51


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
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:531168.8/7
Left: 0.000+/-0.000 χ²/NDF: 1262953.8/16
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2304105.3/23
Out: 0.000+/-0.000 χ²/NDF:3058962.5/27
All: 0.000+/-0.000 χ²/NDF: 5479337.2/51


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
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: -0.115+/-0.125 χ²/NDF:10.4/7
Left: -0.005+/-0.091 χ²/NDF: 21.2/16
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.075+/-0.070 χ²/NDF:21.2/23
Out: 0.117+/-0.071 χ²/NDF:34.3/27
All: 0.021+/-0.050 χ²/NDF: 59.2/51



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: 323.766+/-0.088 χ^2/NDF:265585.9/7

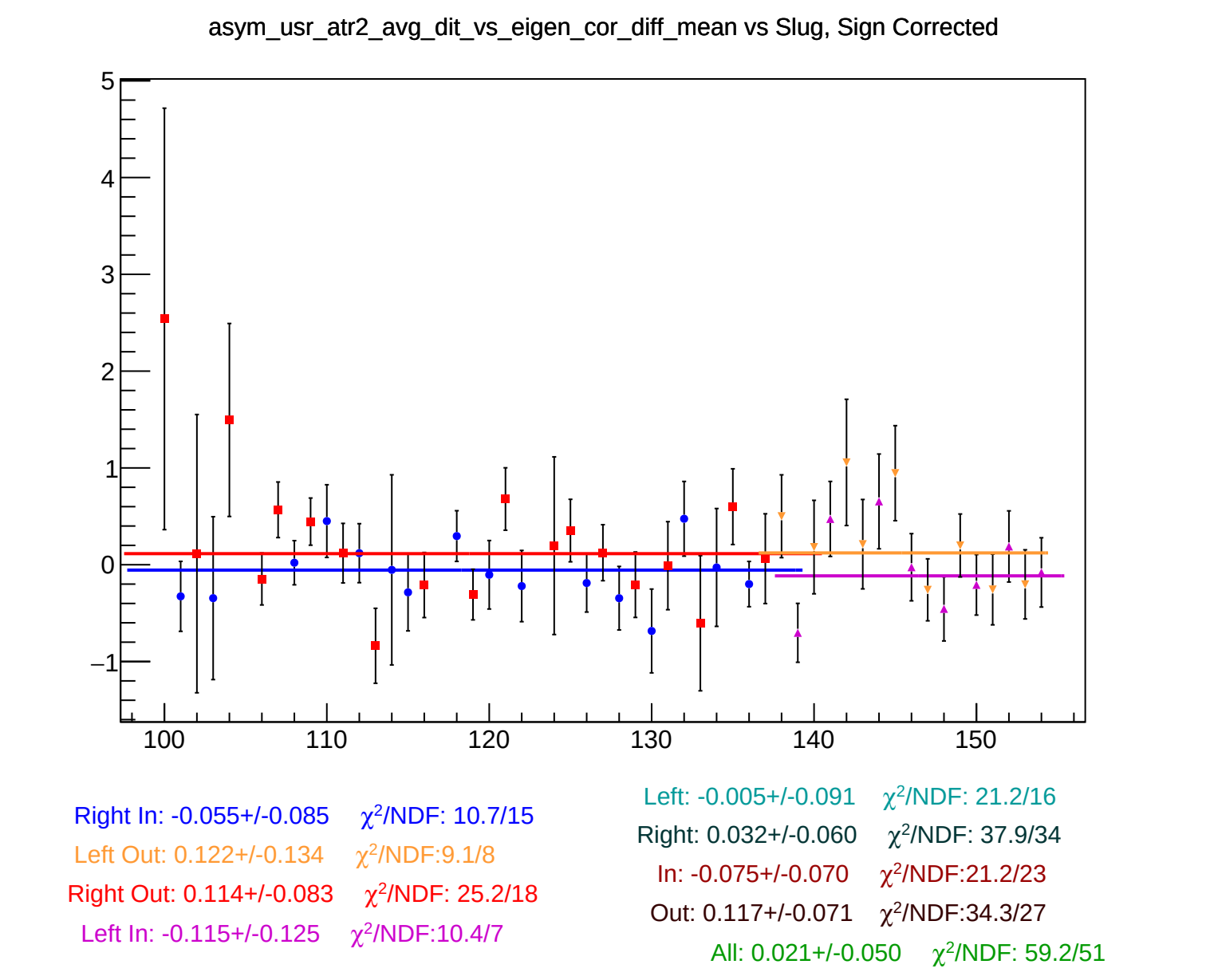
Left: 334.978+/-0.065 χ^2/NDF: 634154.3/16

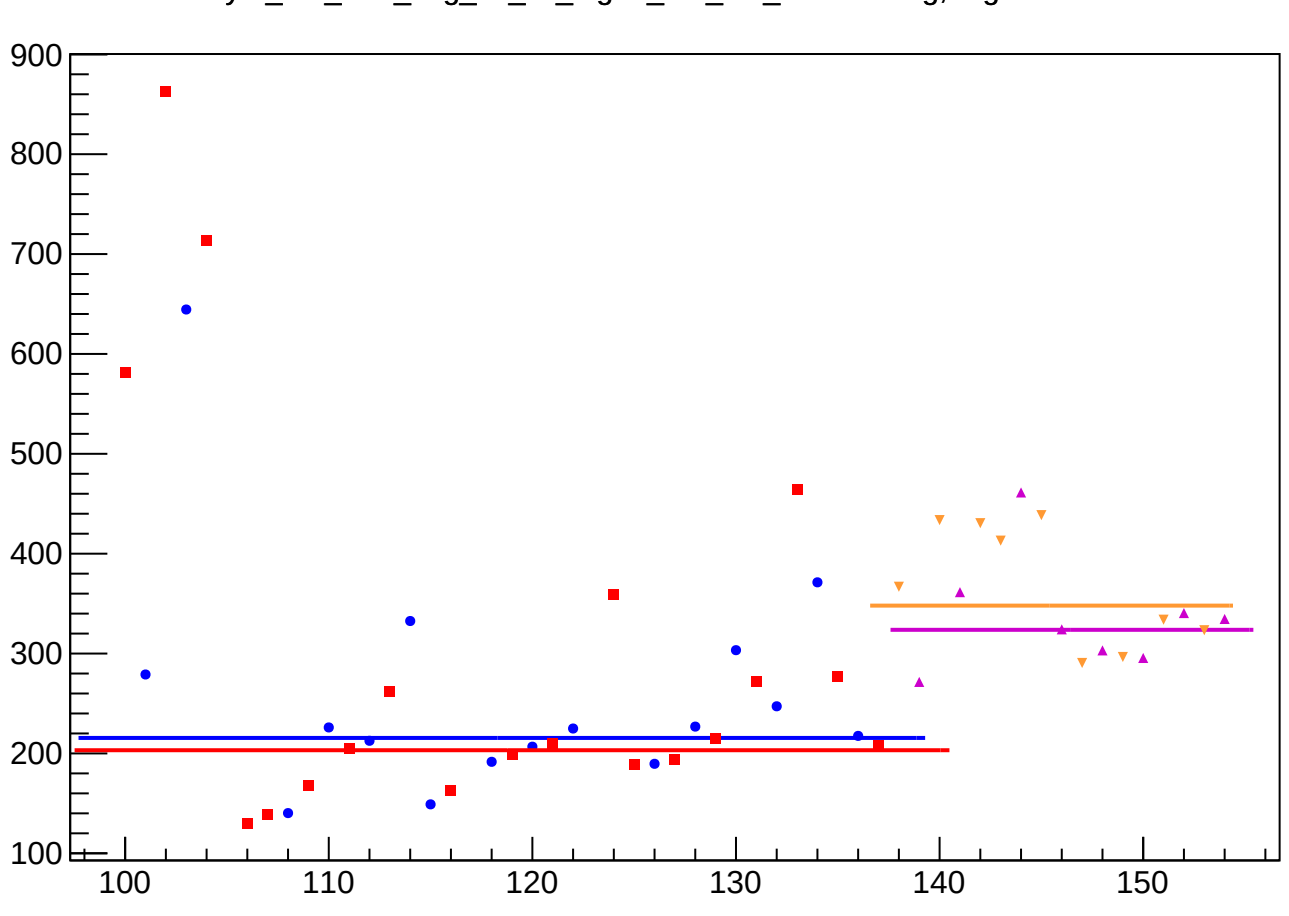
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 250.176+/-0.050 χ^2/NDF:2441398.9/23

Out: 243.404+/-0.050 χ^2/NDF:3850079.7/27

All: 246.802+/-0.035 χ^2/NDF: 6300677.7/51


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
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: -0.115+/-0.125 χ²/NDF:10.4/7
Left: -0.005+/-0.091 χ²/NDF: 21.2/16
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.075+/-0.070 χ²/NDF:21.2/23
Out: 0.117+/-0.071 χ²/NDF:34.3/27
All: 0.021+/-0.050 χ²/NDF: 59.2/51



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: 323.766+/-0.088 χ^2/NDF:265585.9/7

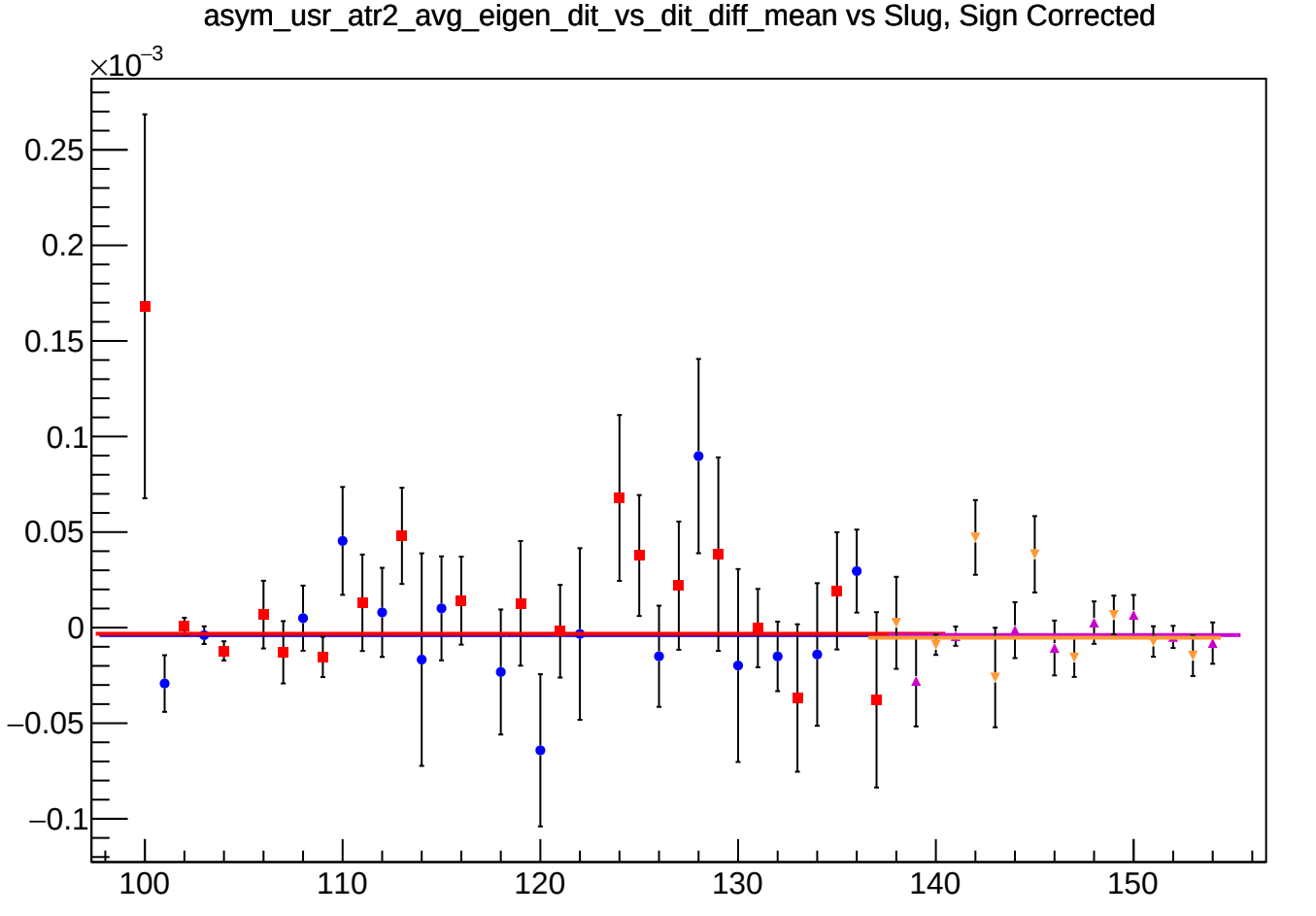
Left: 334.978+/-0.065 χ^2/NDF: 634154.3/16

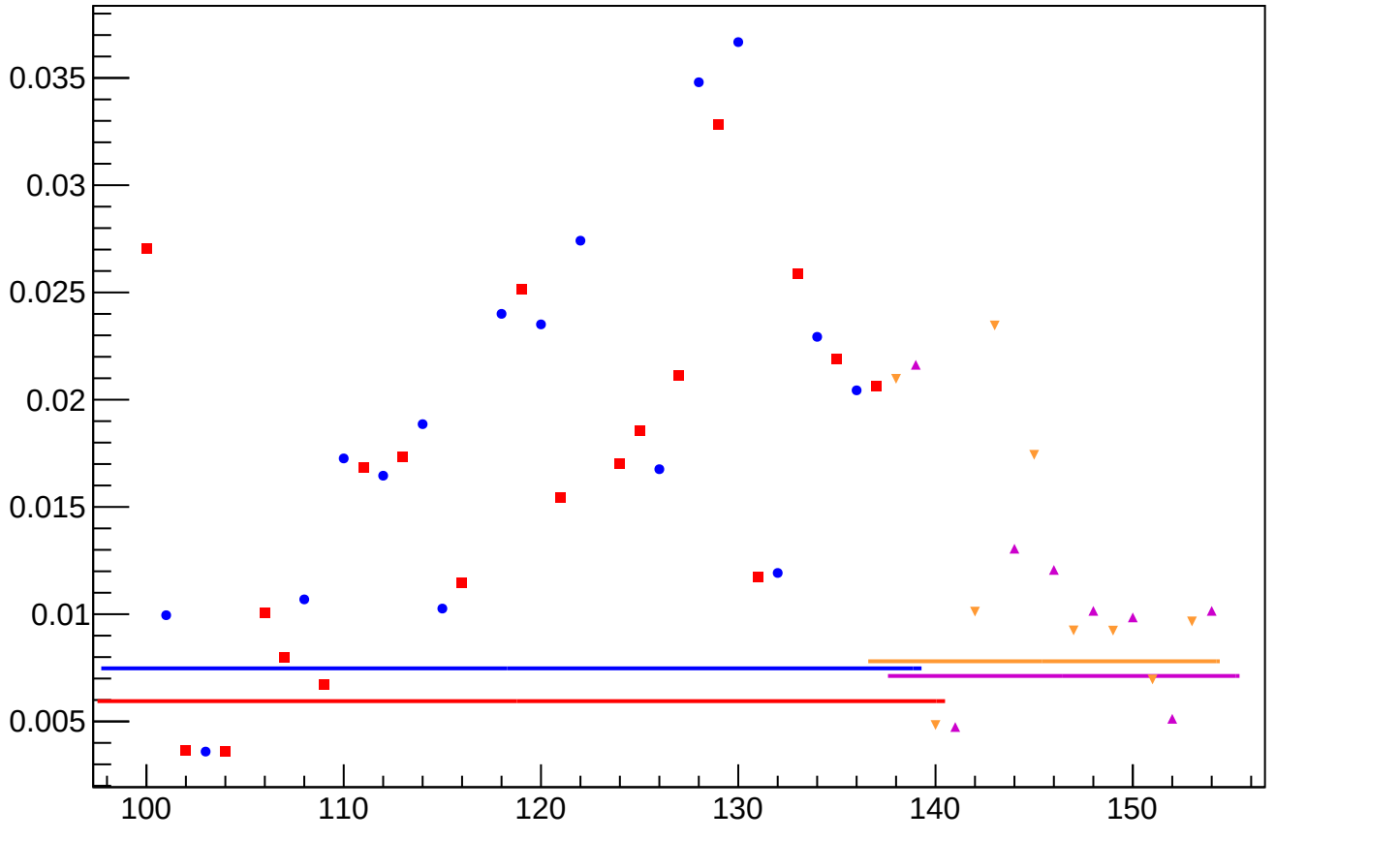
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 250.176+/-0.050 χ^2/NDF:2441398.9/23

Out: 243.404+/-0.050 χ^2/NDF:3850079.7/27

All: 246.802+/-0.035 χ^2/NDF: 6300677.7/51


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
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:2.8/7
Left: -0.000+/-0.000 χ²/NDF: 19.4/16
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:18.8/23
Out: -0.000+/-0.000 χ²/NDF:38.3/27
All: -0.000+/-0.000 χ²/NDF: 57.1/51



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:2435401.6/7

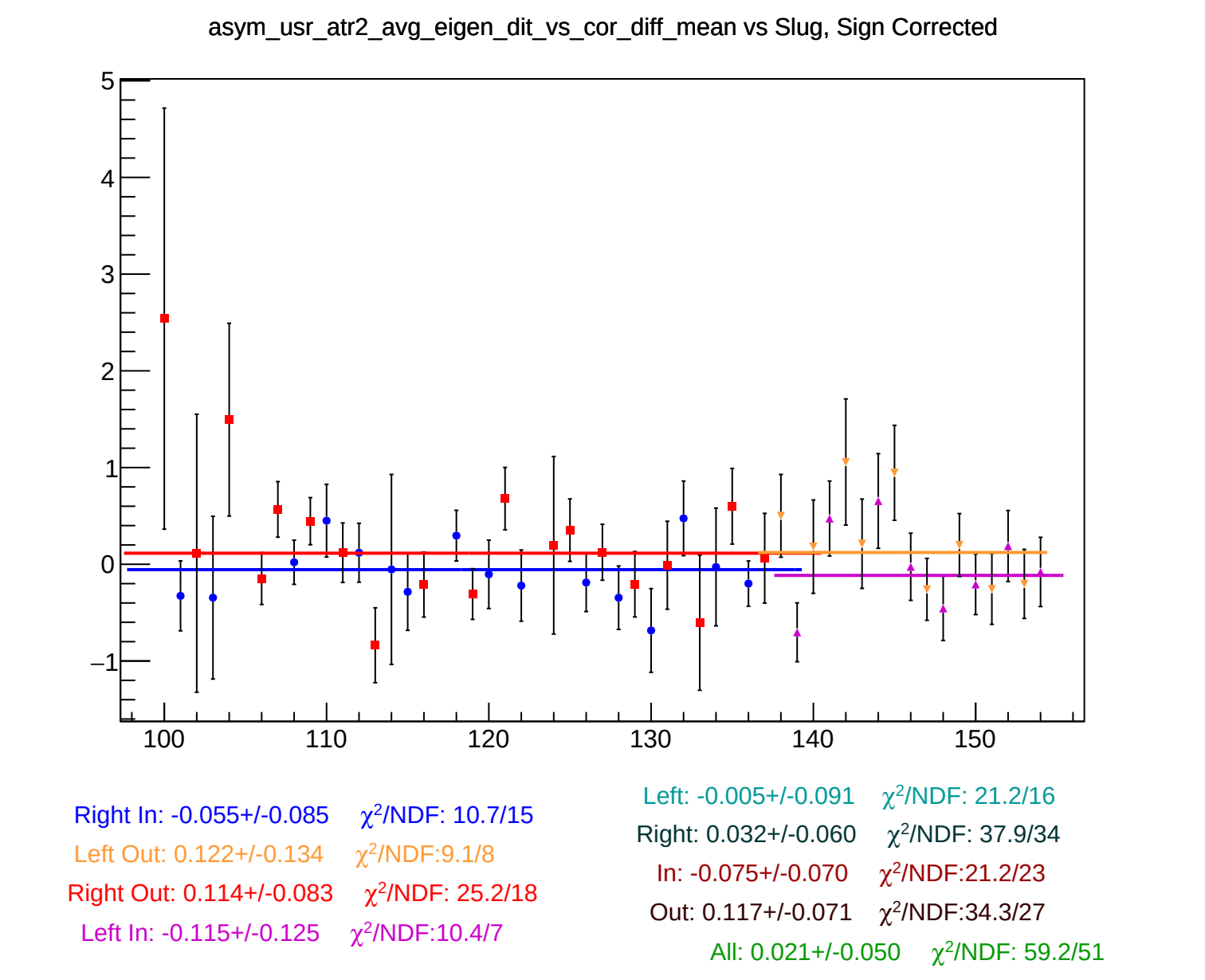
Left: 0.007+/-0.000 χ^2/NDF: 5093490.7/16

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:8522174.0/23

Out: 0.007+/-0.000 χ^2/NDF:8897185.9/27

All: 0.007+/-0.000 χ^2/NDF: 17471543.0/51


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
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−1
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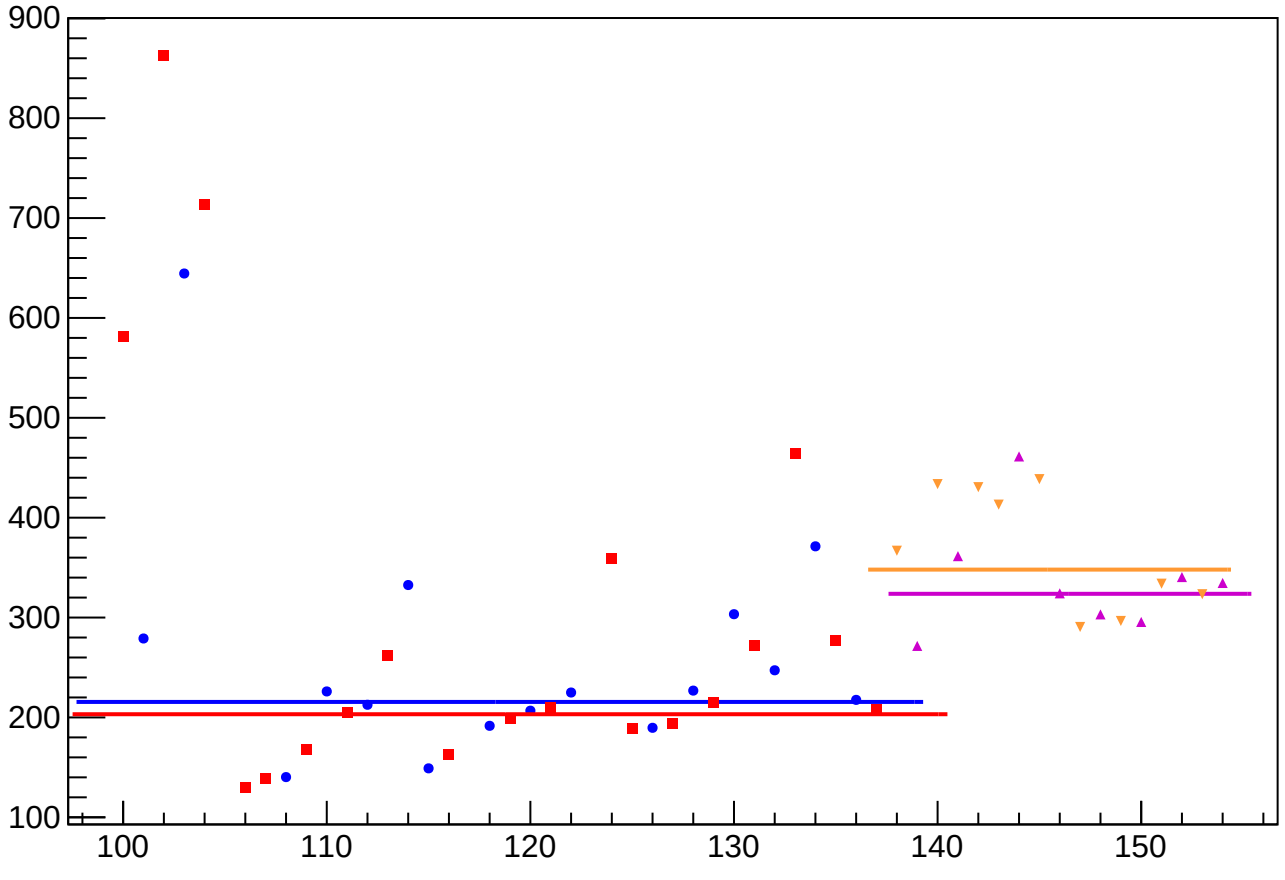
120
130
140
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.122+/-0.134 χ²/NDF:9.1/8
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.115+/-0.125 χ²/NDF:10.4/7
Left: -0.005+/-0.091 χ²/NDF: 21.2/16
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.075+/-0.070 χ²/NDF:21.2/23
Out: 0.117+/-0.071 χ²/NDF:34.3/27
All: 0.021+/-0.050 χ²/NDF: 59.2/51

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.008+/-0.095 χ^2/NDF:333521.0/8

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 323.771+/-0.088 χ^2/NDF:265571.2/7

Left: 334.983+/-0.065 χ^2/NDF: 634130.0/16

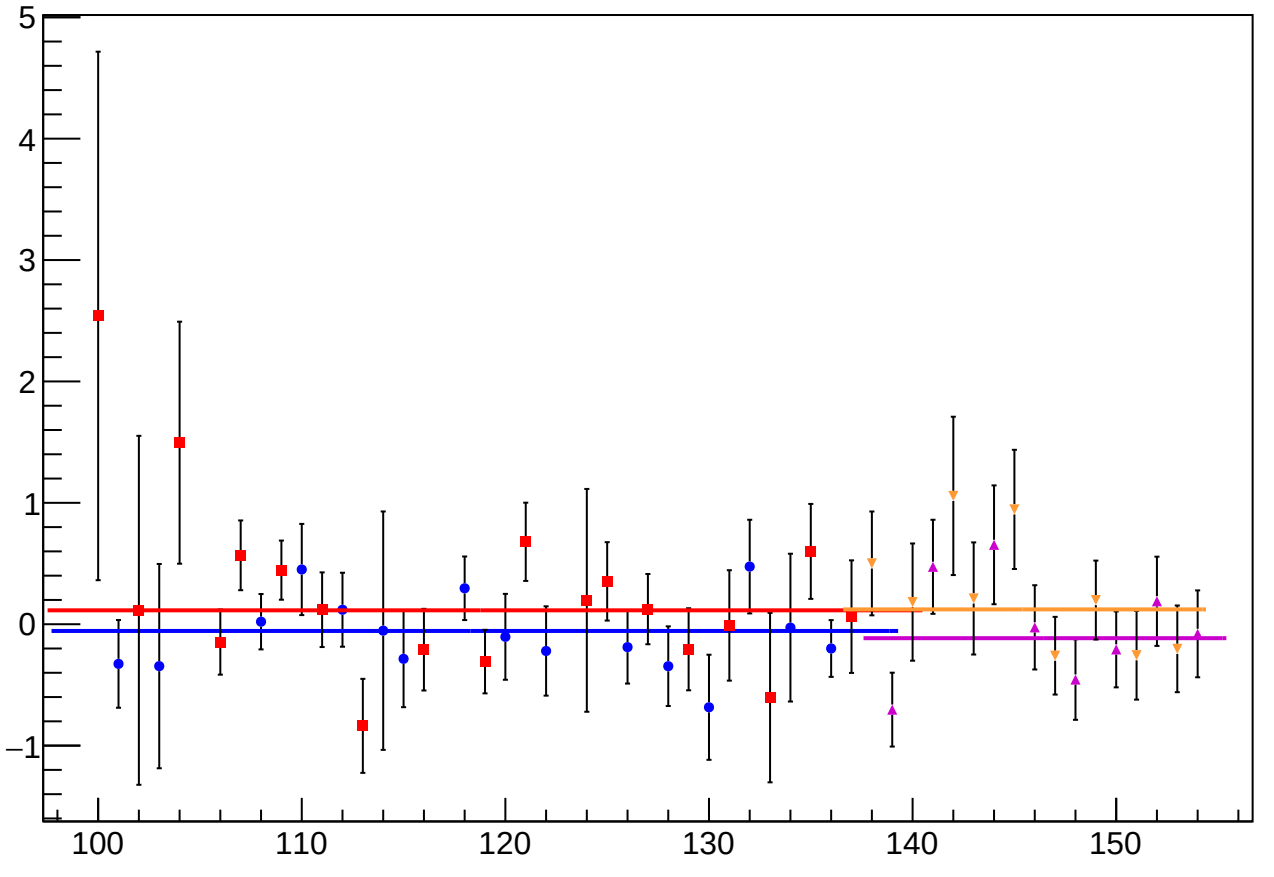
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 250.175+/-0.050 χ^2/NDF:2441452.0/23

Out: 243.403+/-0.050 χ^2/NDF:3850170.3/27

All: 246.801+/-0.035 χ^2/NDF: 6300823.3/51

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.122+/-0.134 χ^2/NDF:9.1/8

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.115+/-0.125 χ^2/NDF:10.4/7

Left: -0.005+/-0.091 χ^2/NDF: 21.2/16

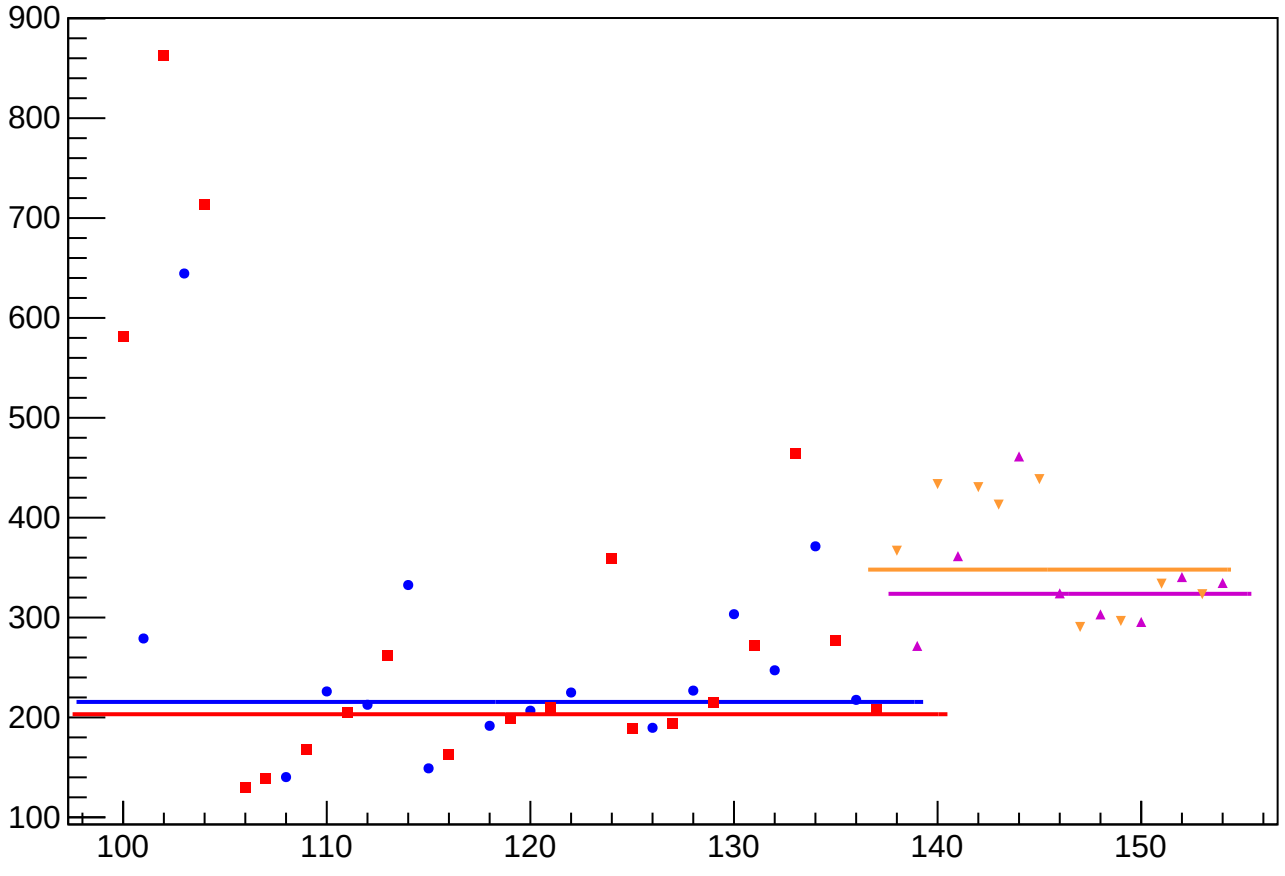
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.075+/-0.070 χ^2/NDF:21.2/23

Out: 0.117+/-0.071 χ^2/NDF:34.3/27

All: 0.021+/-0.050 χ^2/NDF: 59.2/51

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: 323.771+/-0.088 χ^2/NDF:265571.2/7

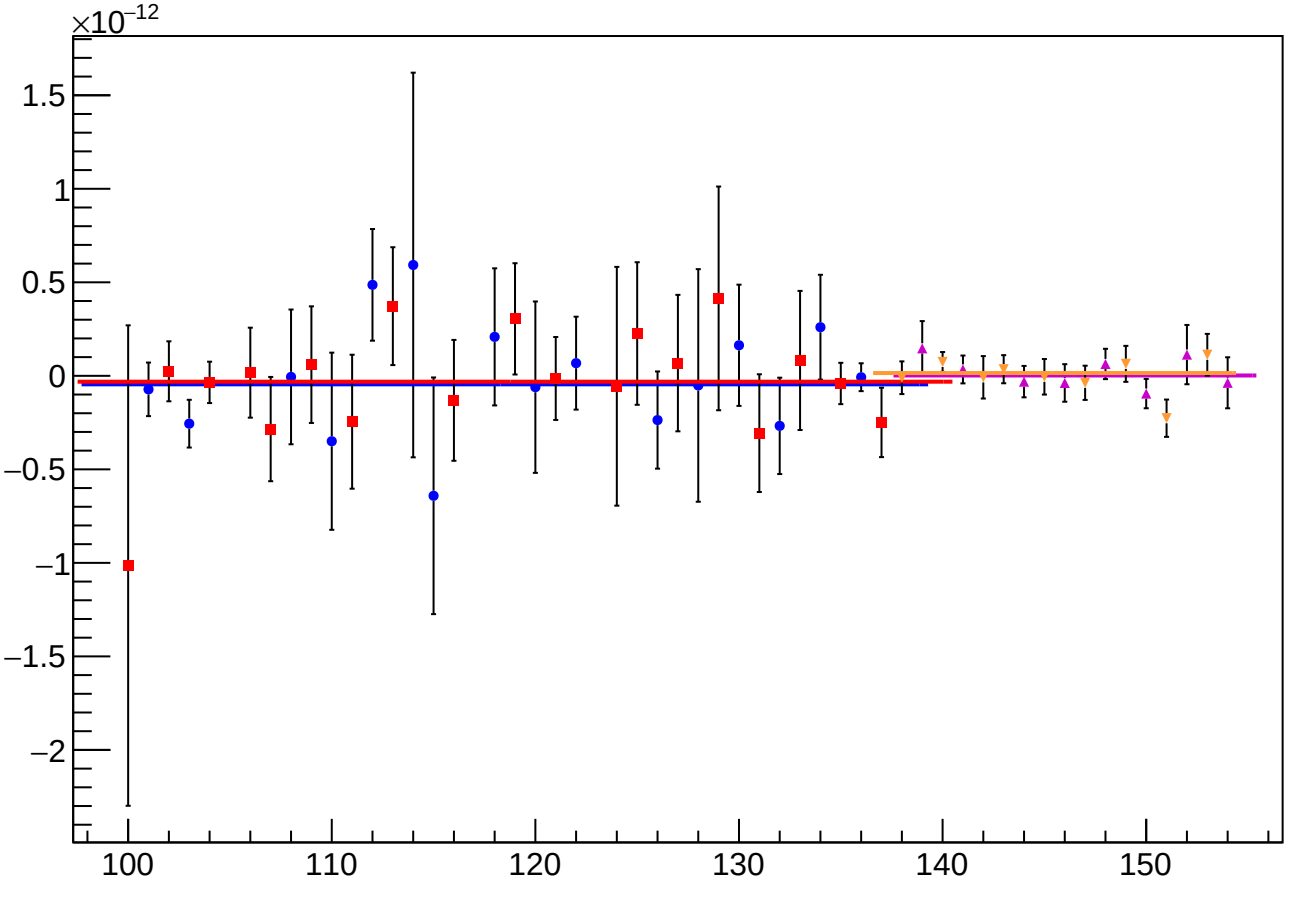
Left: 334.983+/-0.065 χ^2/NDF: 634130.0/16

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 250.175+/-0.050 χ^2/NDF:2441452.0/23

Out: 243.403+/-0.050 χ^2/NDF:3850170.3/27

All: 246.801+/-0.035 χ^2/NDF: 6300823.3/51



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:4.2/7

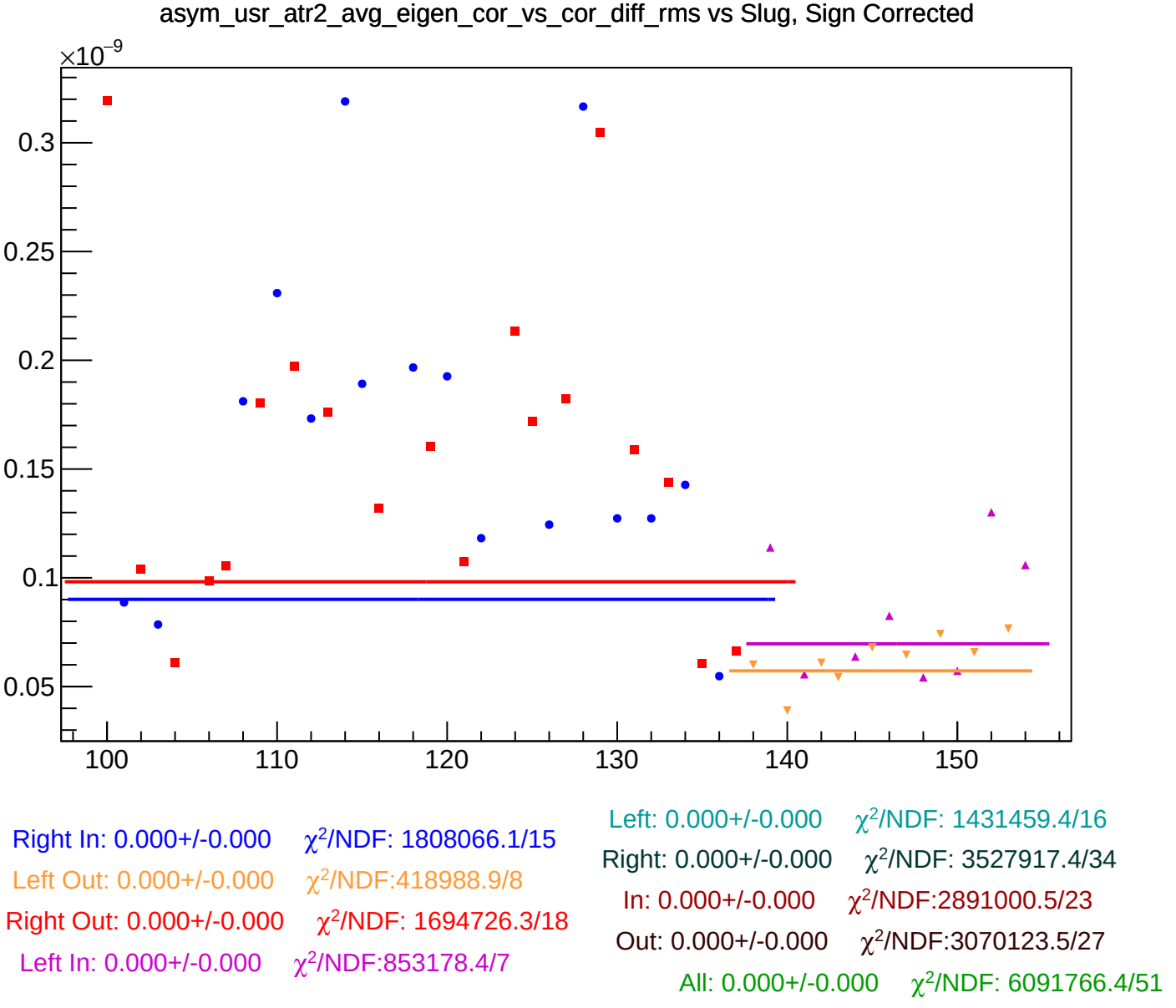
Left: 0.000+/-0.000 χ^2/NDF: 13.0/16

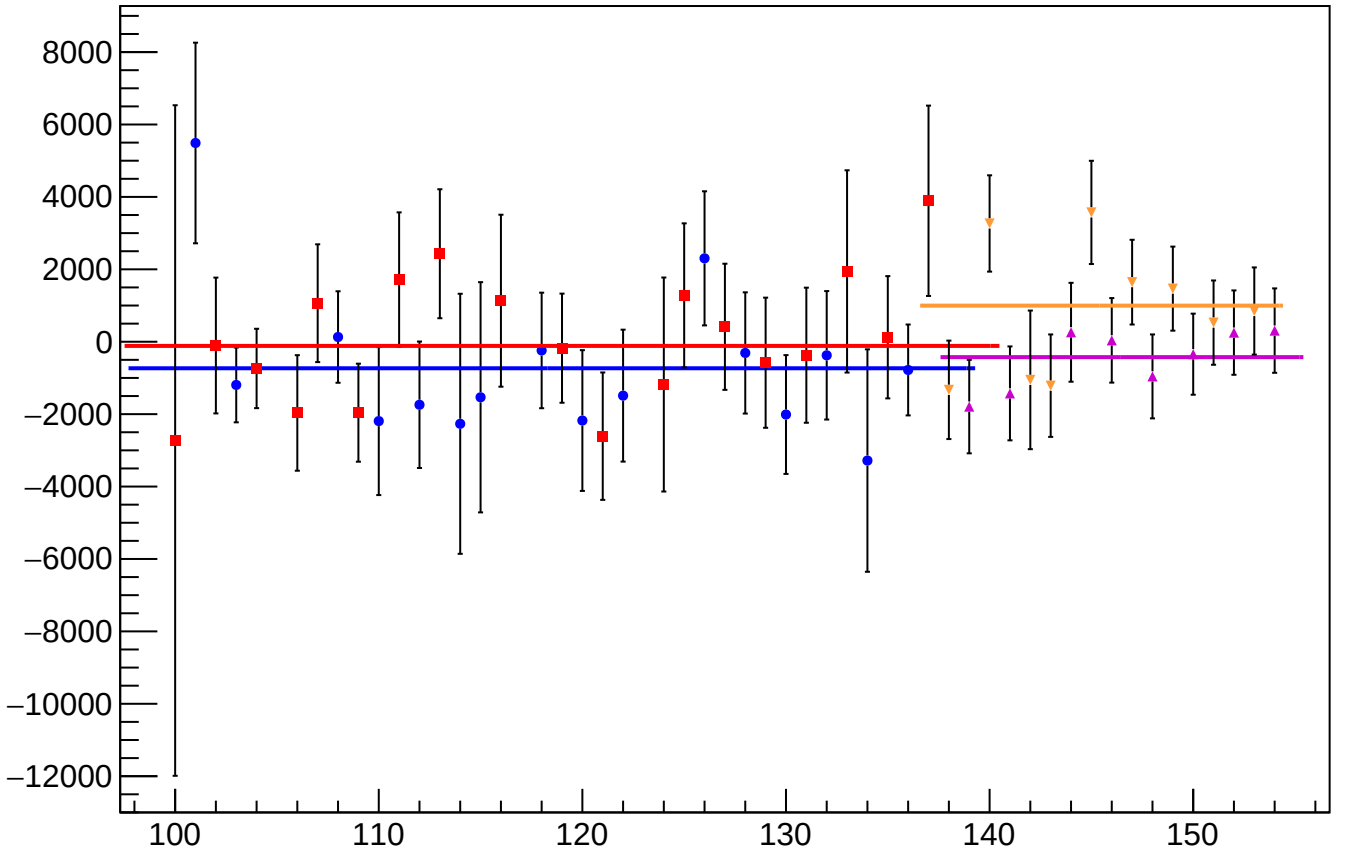
Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:16.2/23

Out: 0.000+/-0.000 χ^2/NDF:17.7/27

All: -0.000+/-0.000 χ^2/NDF: 34.1/51


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1808066.1/15
Left Out: 0.000+/-0.000 χ²/NDF:418988.9/8
Right Out: 0.000+/-0.000 χ²/NDF: 1694726.3/18
Left In: 0.000+/-0.000 χ²/NDF:853178.4/7
Left: 0.000+/-0.000 χ²/NDF: 1431459.4/16
Right: 0.000+/-0.000 χ²/NDF: 3527917.4/34
In: 0.000+/-0.000 χ²/NDF:2891000.5/23
Out: 0.000+/-0.000 χ²/NDF:3070123.5/27
All: 0.000+/-0.000 χ²/NDF: 6091766.4/51



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: -425.266+/-427.216 χ^2/NDF:3.1/7

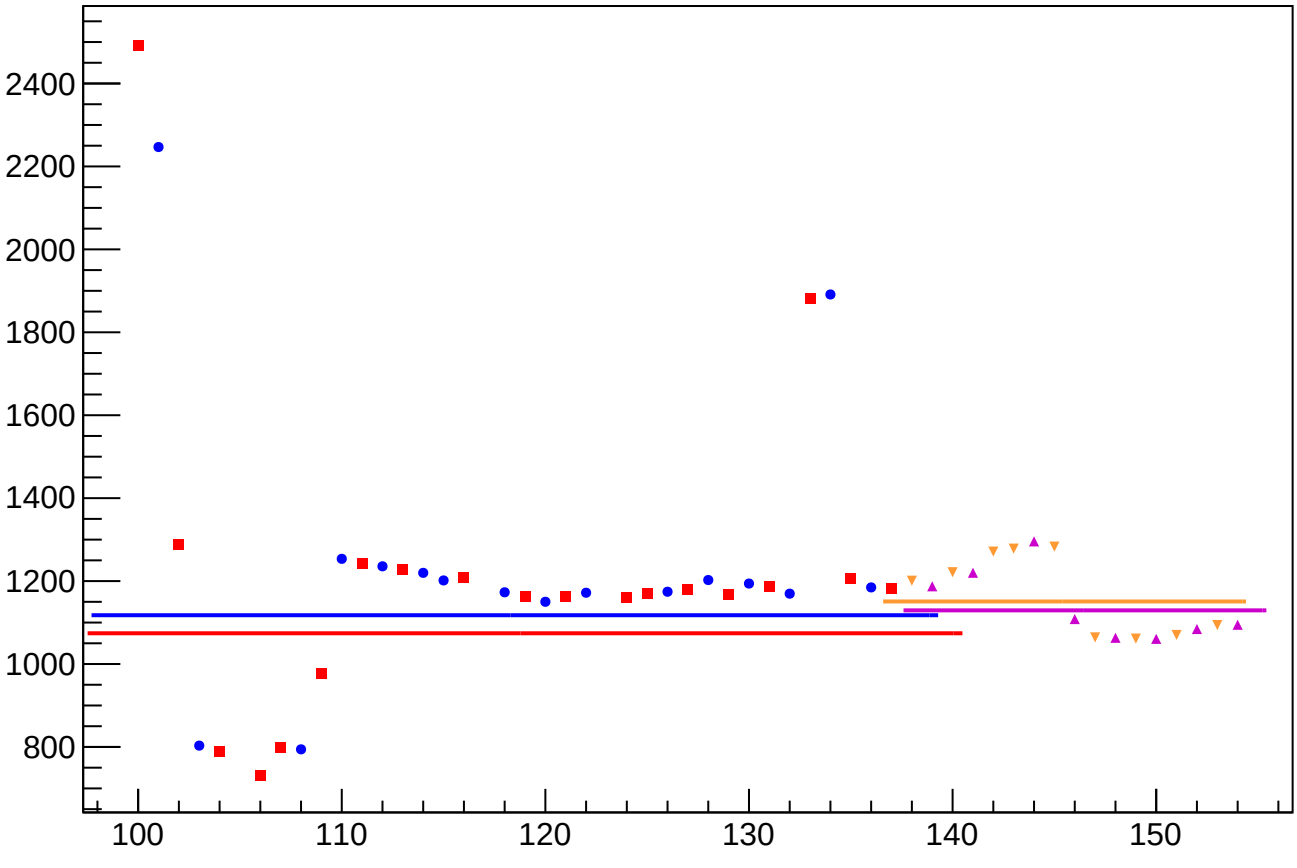
Left: 272.309+/-304.988 χ^2/NDF: 21.9/16

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -578.946+/-302.147 χ^2/NDF:15.0/23

Out: 409.518+/-299.089 χ^2/NDF:29.9/27

All: -79.686+/-212.561 χ^2/NDF: 50.3/51



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: 1129.396+/-0.302 χ^2/NDF:62932.2/7

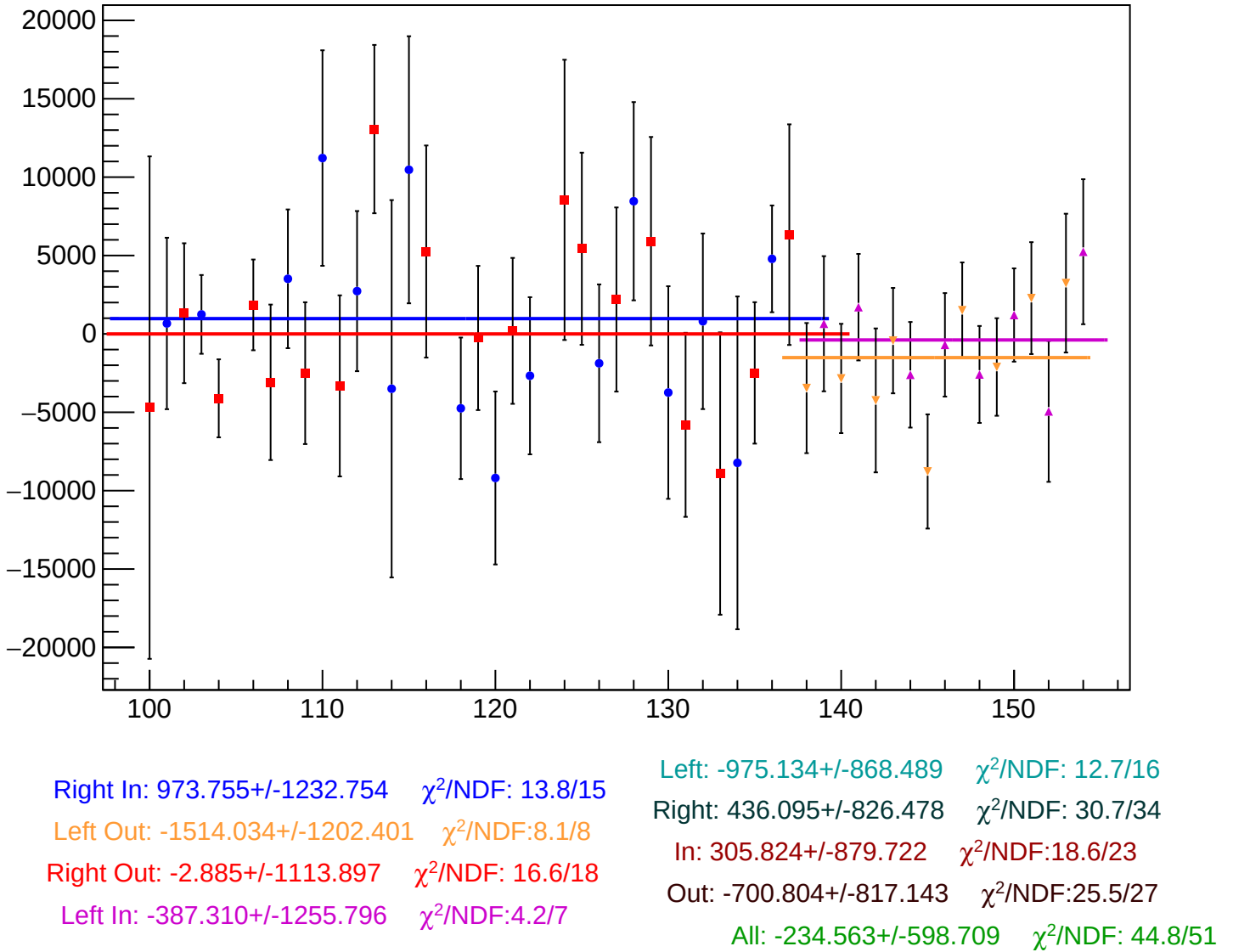
Left: 1139.910+/-0.216 χ^2/NDF: 152011.0/16

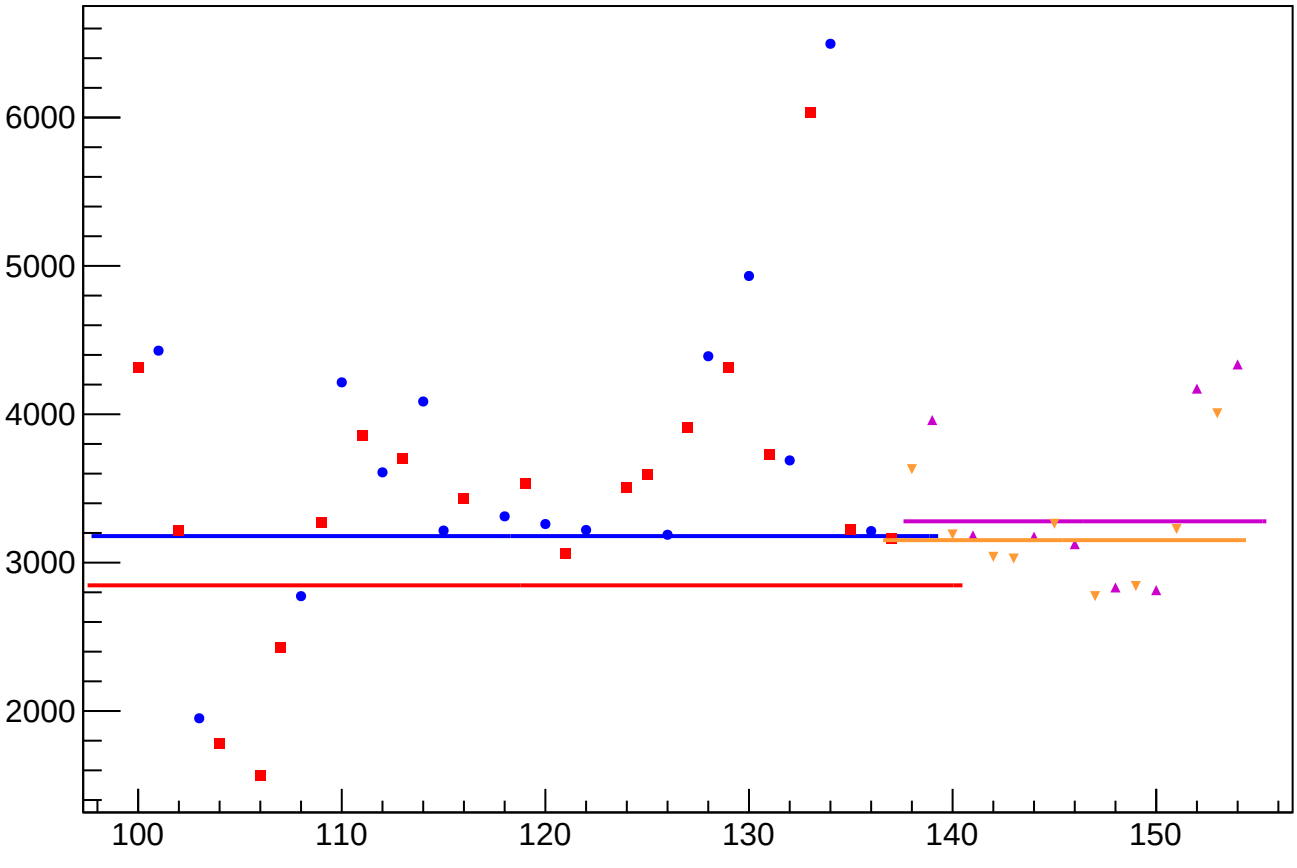
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1123.542+/-0.214 χ^2/NDF:883518.7/23

Out: 1109.995+/-0.211 χ^2/NDF:769141.3/27

All: 1116.670+/-0.150 χ^2/NDF: 1654699.6/51


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: -387.310+/-1255.796 χ²/NDF:4.2/7
Left: -975.134+/-868.489 χ²/NDF: 12.7/16
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: 305.824+/-879.722 χ²/NDF:18.6/23
Out: -700.804+/-817.143 χ²/NDF:25.5/27
All: -234.563+/-598.709 χ²/NDF: 44.8/51



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: 3278.516+/-0.888 χ^2/NDF:331829.4/7

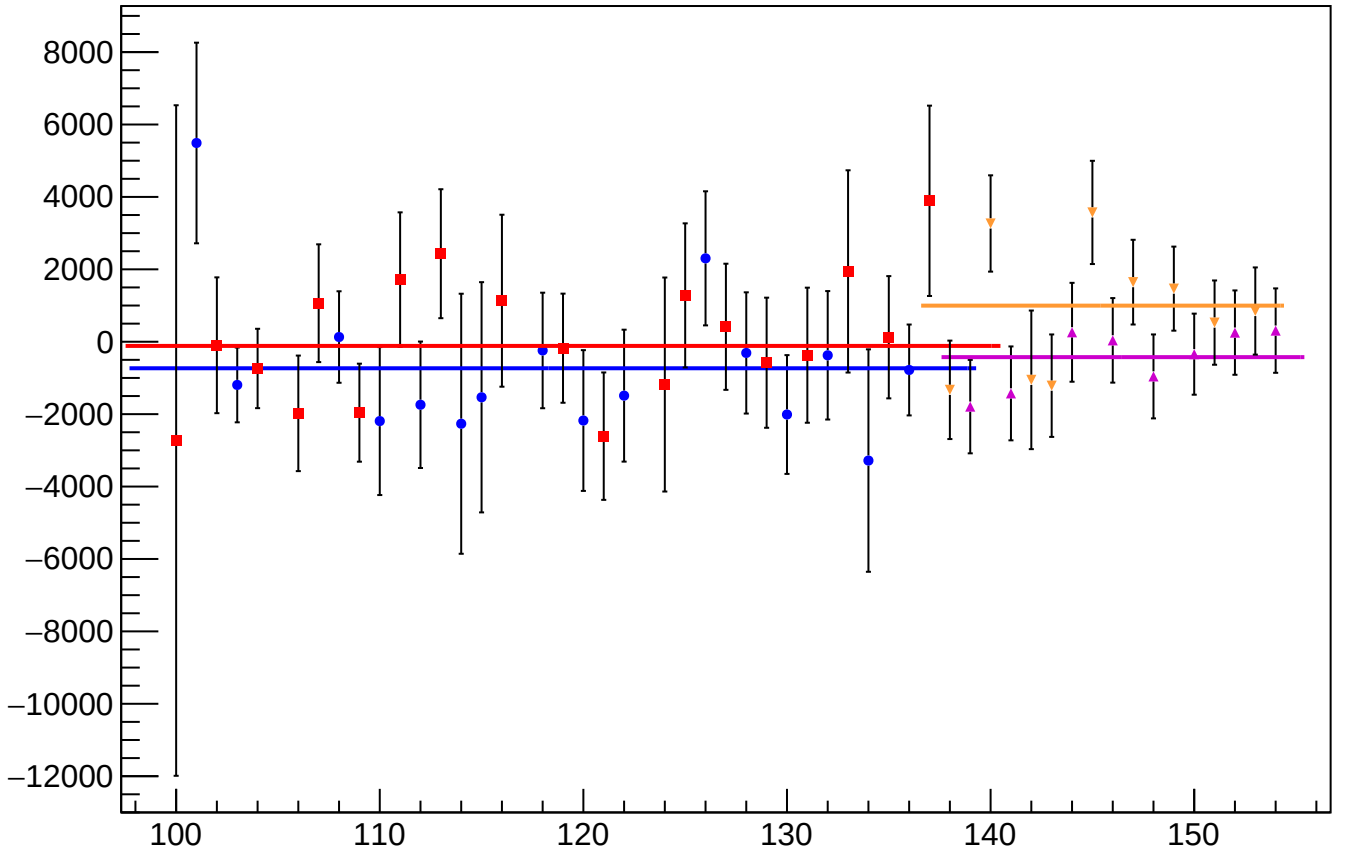
Left: 3212.268+/-0.614 χ^2/NDF: 500821.6/16

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3227.770+/-0.622 χ^2/NDF:1429919.1/23

Out: 2987.656+/-0.578 χ^2/NDF:1738518.4/27

All: 3098.870+/-0.423 χ^2/NDF: 3248422.9/51



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: -425.273+/-427.216 χ^2/NDF:3.1/7

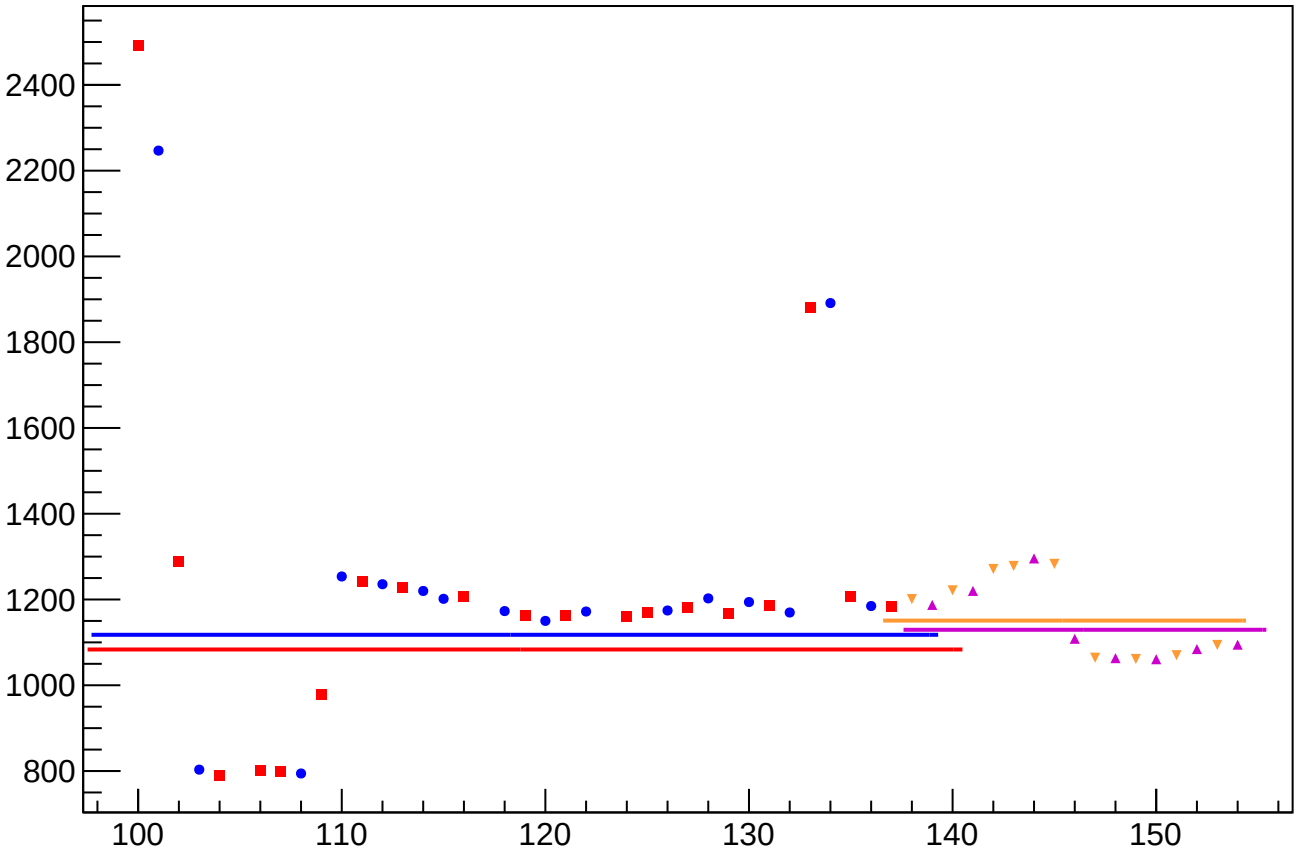
Left: 272.323+/-304.988 χ^2/NDF: 21.9/16

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -578.917+/-302.147 χ^2/NDF:15.0/23

Out: 409.399+/-299.090 χ^2/NDF:29.9/27

All: -79.735+/-212.561 χ^2/NDF: 50.4/51



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: 1129.396+/-0.302 χ^2/NDF:62932.2/7

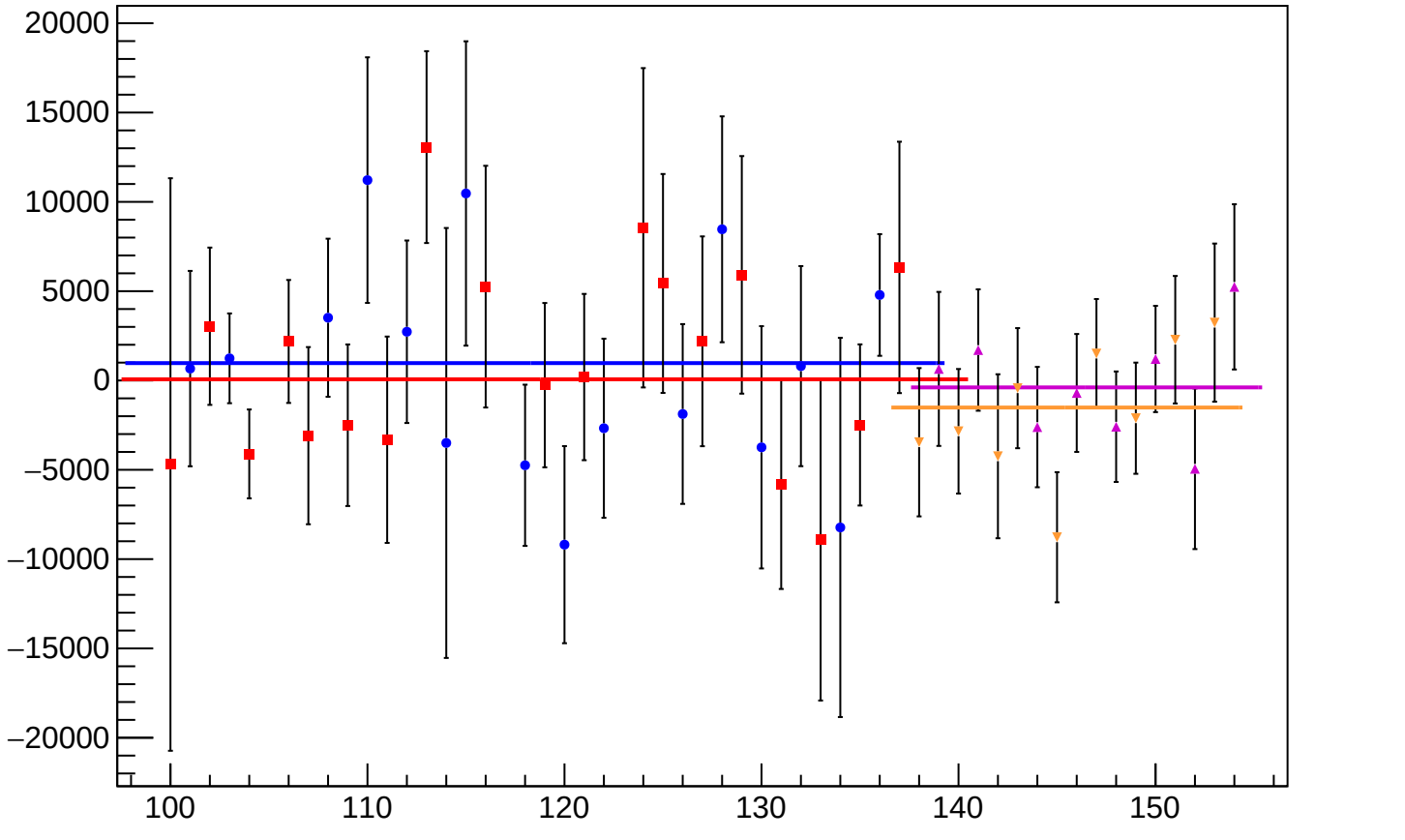
Left: 1139.910+/-0.216 χ^2/NDF: 152011.0/16

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1123.542+/-0.214 χ^2/NDF:883515.2/23

Out: 1115.148+/-0.211 χ^2/NDF:706993.2/27

All: 1119.298+/-0.150 χ^2/NDF: 1591288.9/51



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: -387.320+/-1255.796 χ^2/NDF:4.2/7

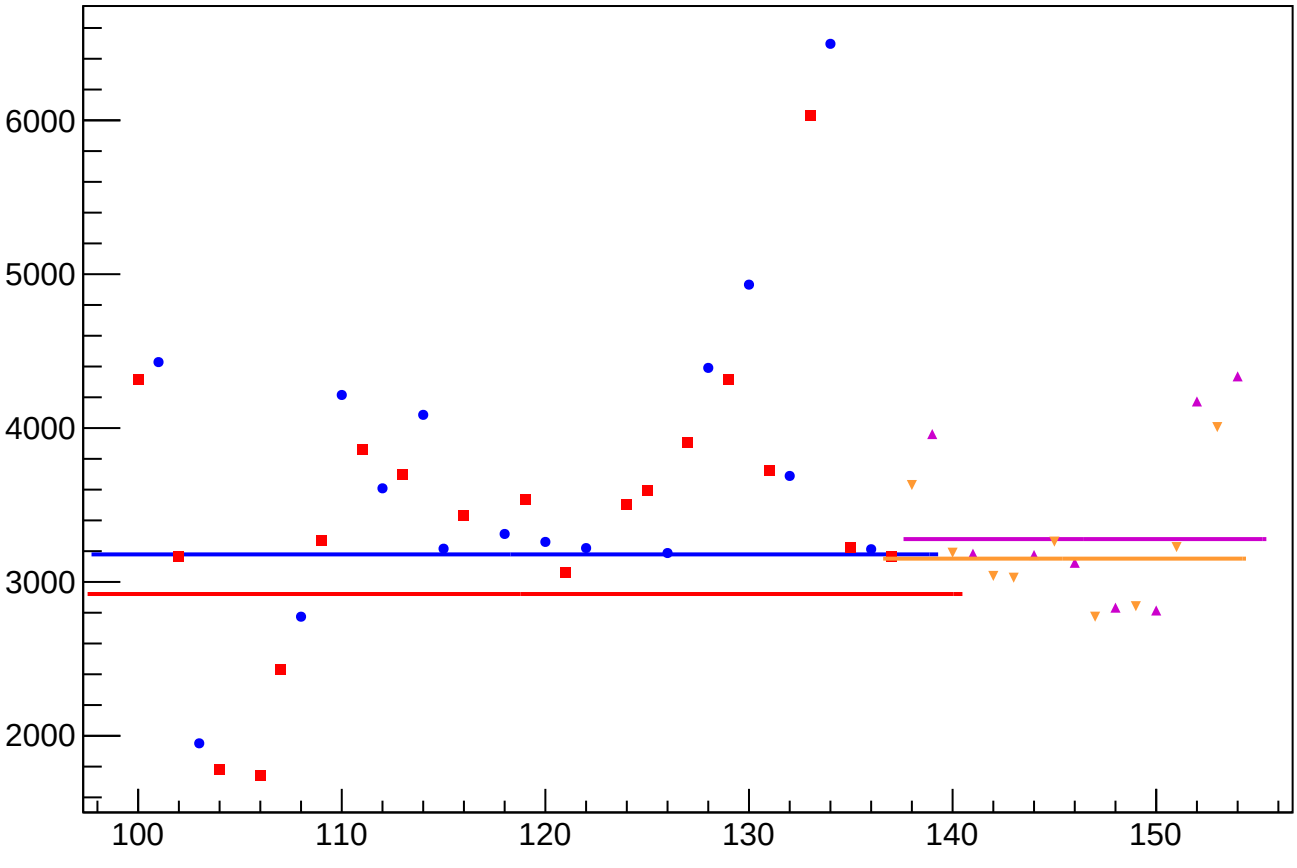
Left: -975.134+/-868.488 χ^2/NDF: 12.7/16

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 305.538+/-879.740 χ^2/NDF:18.6/23

Out: -679.907+/-826.475 χ^2/NDF:26.0/27

All: -217.918+/-602.357 χ^2/NDF: 45.2/51



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: 3278.515+/-0.888 χ^2/NDF:331830.8/7

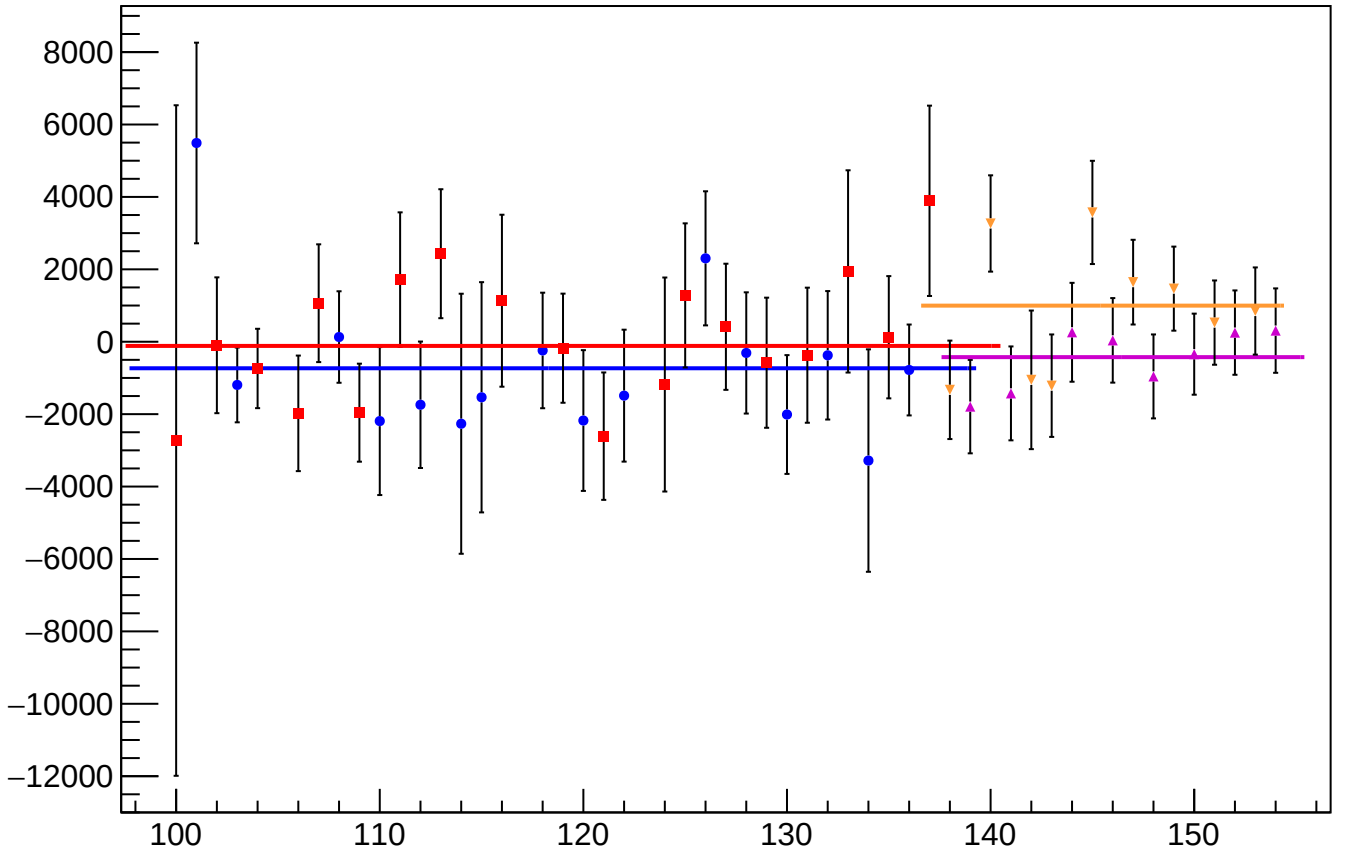
Left: 3212.265+/-0.614 χ^2/NDF: 500826.1/16

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3227.866+/-0.622 χ^2/NDF:1429456.1/23

Out: 3030.253+/-0.584 χ^2/NDF:1509783.7/27

All: 3122.896+/-0.426 χ^2/NDF: 2992844.0/51



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: -425.273+/-427.216 χ^2/NDF:3.1/7

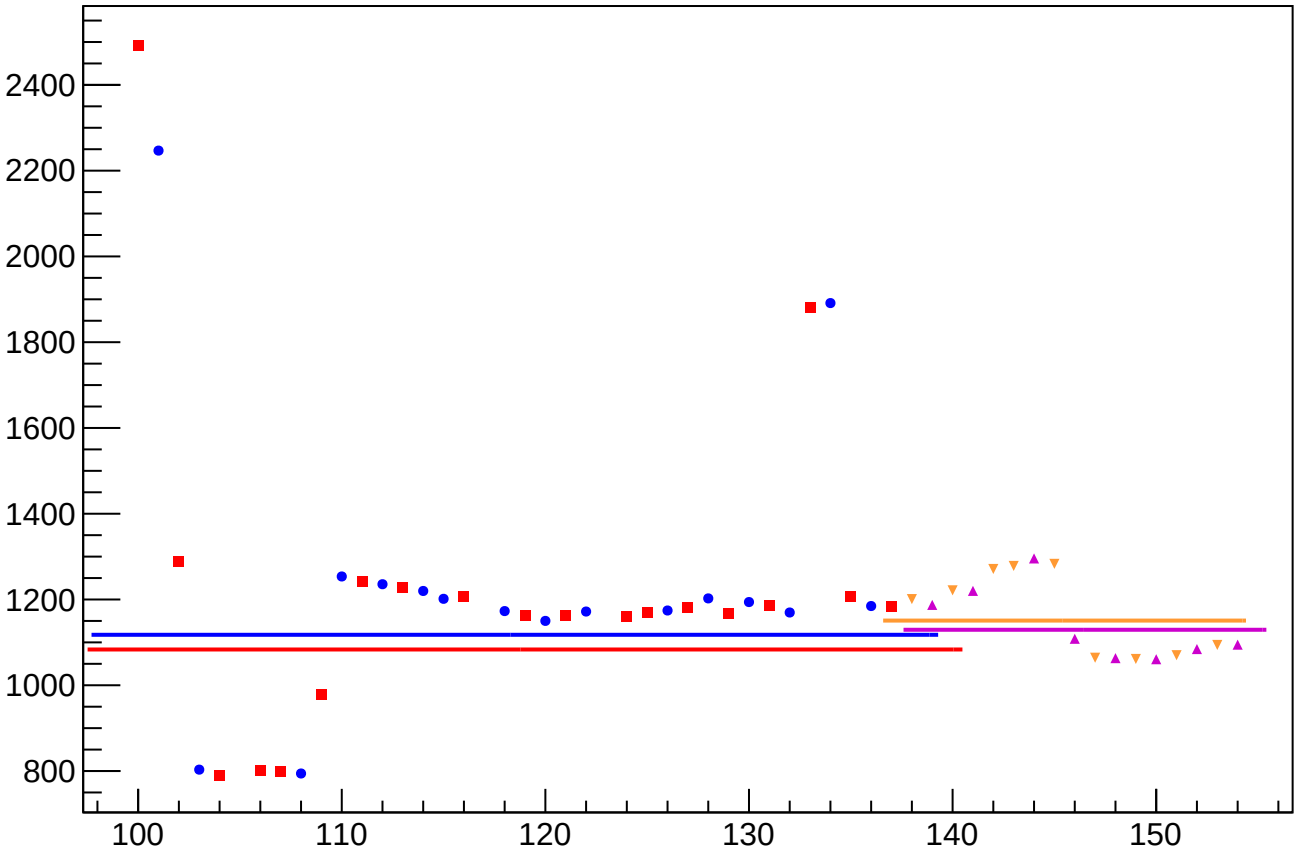
Left: 272.323+/-304.988 χ^2/NDF: 21.9/16

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -578.917+/-302.147 χ^2/NDF:15.0/23

Out: 409.399+/-299.090 χ^2/NDF:29.9/27

All: -79.735+/-212.561 χ^2/NDF: 50.4/51



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: 1129.396+/-0.302 χ^2/NDF:62932.2/7

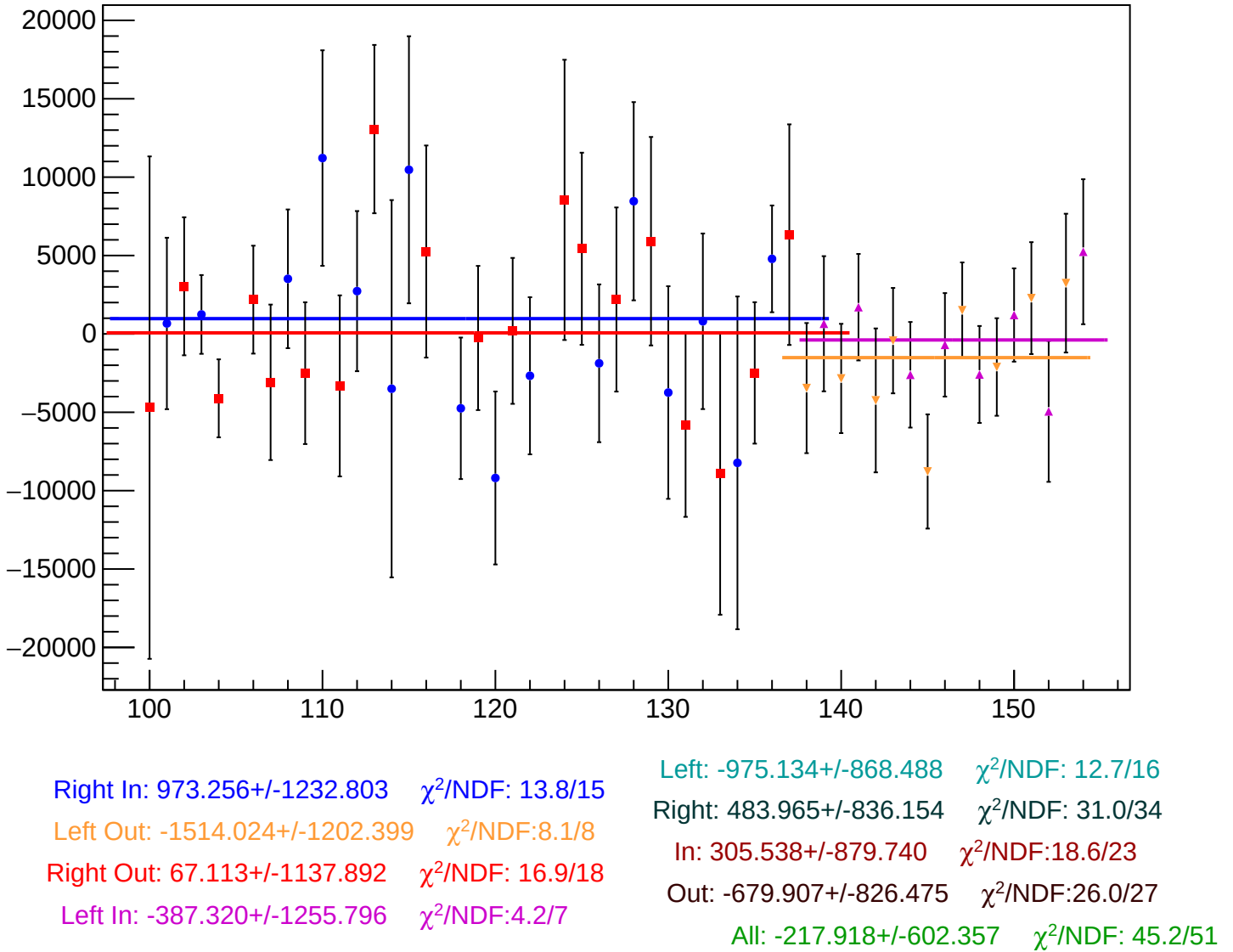
Left: 1139.910+/-0.216 χ^2/NDF: 152011.0/16

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1123.542+/-0.214 χ^2/NDF:883515.2/23

Out: 1115.148+/-0.211 χ^2/NDF:706993.2/27

All: 1119.298+/-0.150 χ^2/NDF: 1591288.9/51


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
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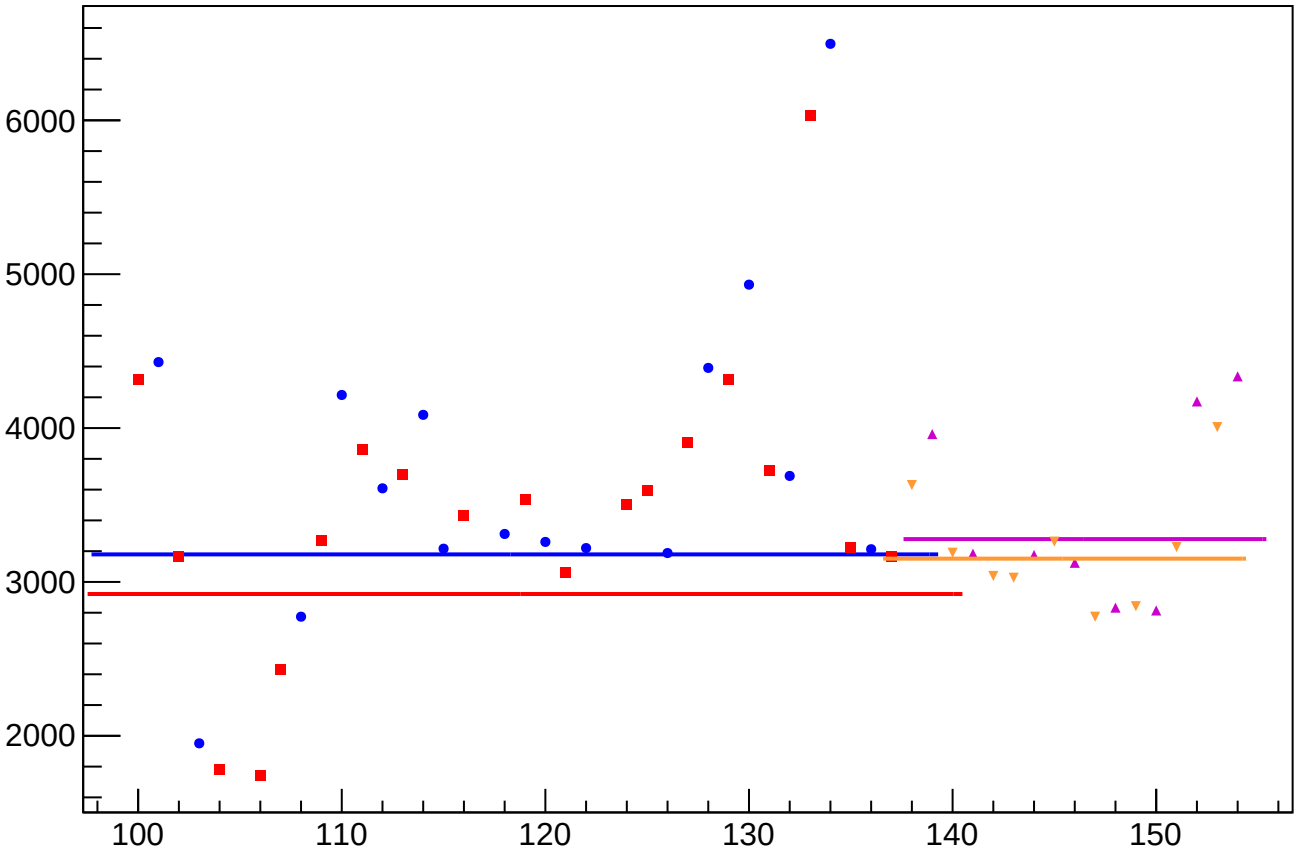
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -1514.024+/-1202.399 χ²/NDF:8.1/8
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -387.320+/-1255.796 χ²/NDF:4.2/7
Left: -975.134+/-868.488 χ²/NDF: 12.7/16
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: 305.538+/-879.740 χ²/NDF:18.6/23
Out: -679.907+/-826.475 χ²/NDF:26.0/27
All: -217.918+/-602.357 χ²/NDF: 45.2/51


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
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2000
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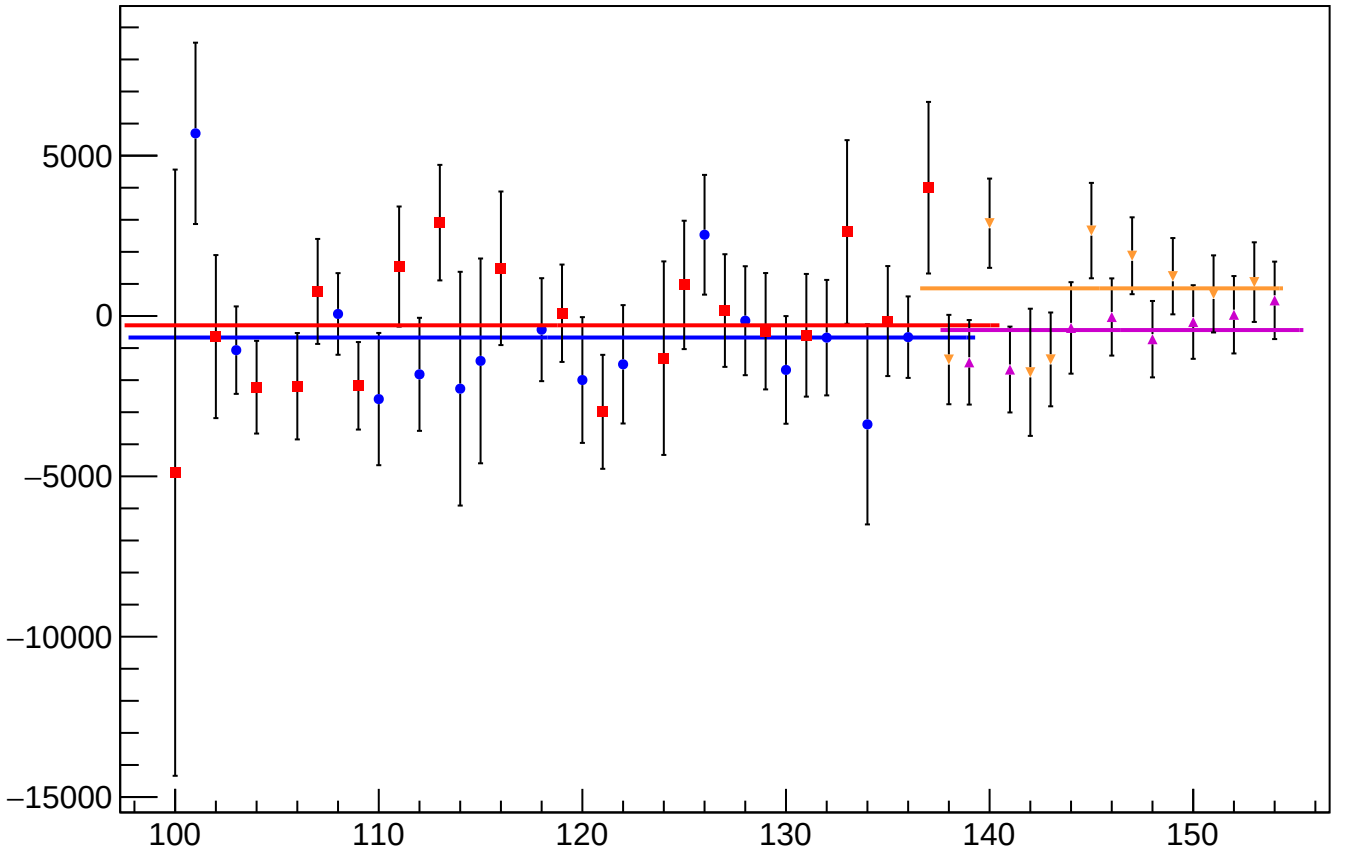
110
120
130
140
150
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3151.529+/-0.850 χ²/NDF:158326.0/8
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3278.515+/-0.888 χ²/NDF:331830.8/7
Left: 3212.265+/-0.614 χ²/NDF: 500826.1/16
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3227.866+/-0.622 χ²/NDF:1429456.1/23
Out: 3030.253+/-0.584 χ²/NDF:1509783.7/27
All: 3122.896+/-0.426 χ²/NDF: 2992844.0/51



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: -438.002+/-440.625 χ^2/NDF:2.4/7

Left: 199.039+/-314.680 χ^2/NDF: 17.7/16

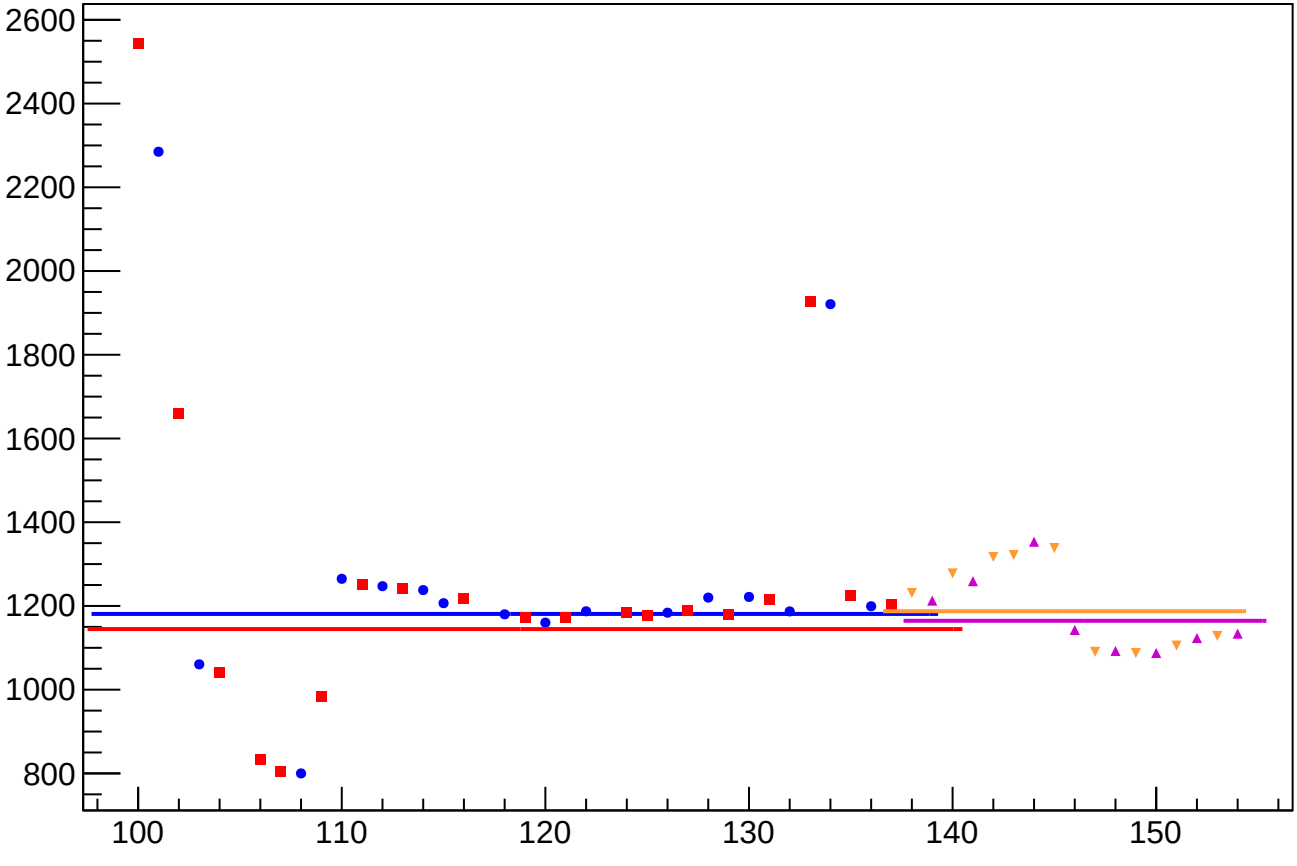
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -552.348+/-314.316 χ^2/NDF:14.4/23

Out: 266.207+/-312.398 χ^2/NDF:31.4/27

All: -140.566+/-221.574 χ^2/NDF: 49.2/51

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: 1164.557+/-0.312 χ^2/NDF:68283.1/7

Left: 1175.717+/-0.223 χ^2/NDF: 168242.7/16

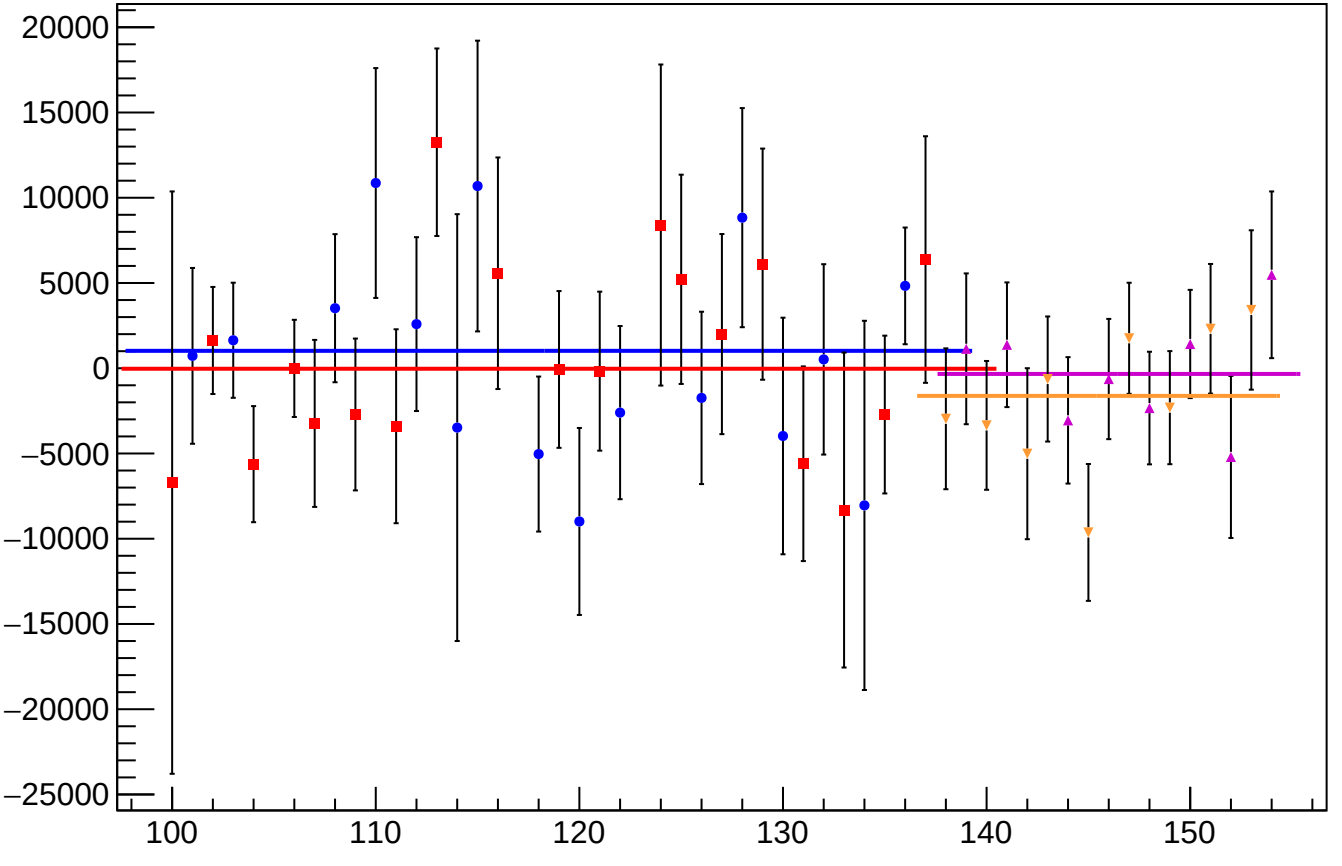
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1172.611+/-0.222 χ^2/NDF:691522.2/23

Out: 1165.317+/-0.221 χ^2/NDF:604344.1/27

All: 1168.941+/-0.157 χ^2/NDF: 1296408.2/51

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -1621.768+/-1285.743 χ^2/NDF:8.2/8

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -334.134+/-1341.055 χ^2/NDF:4.0/7

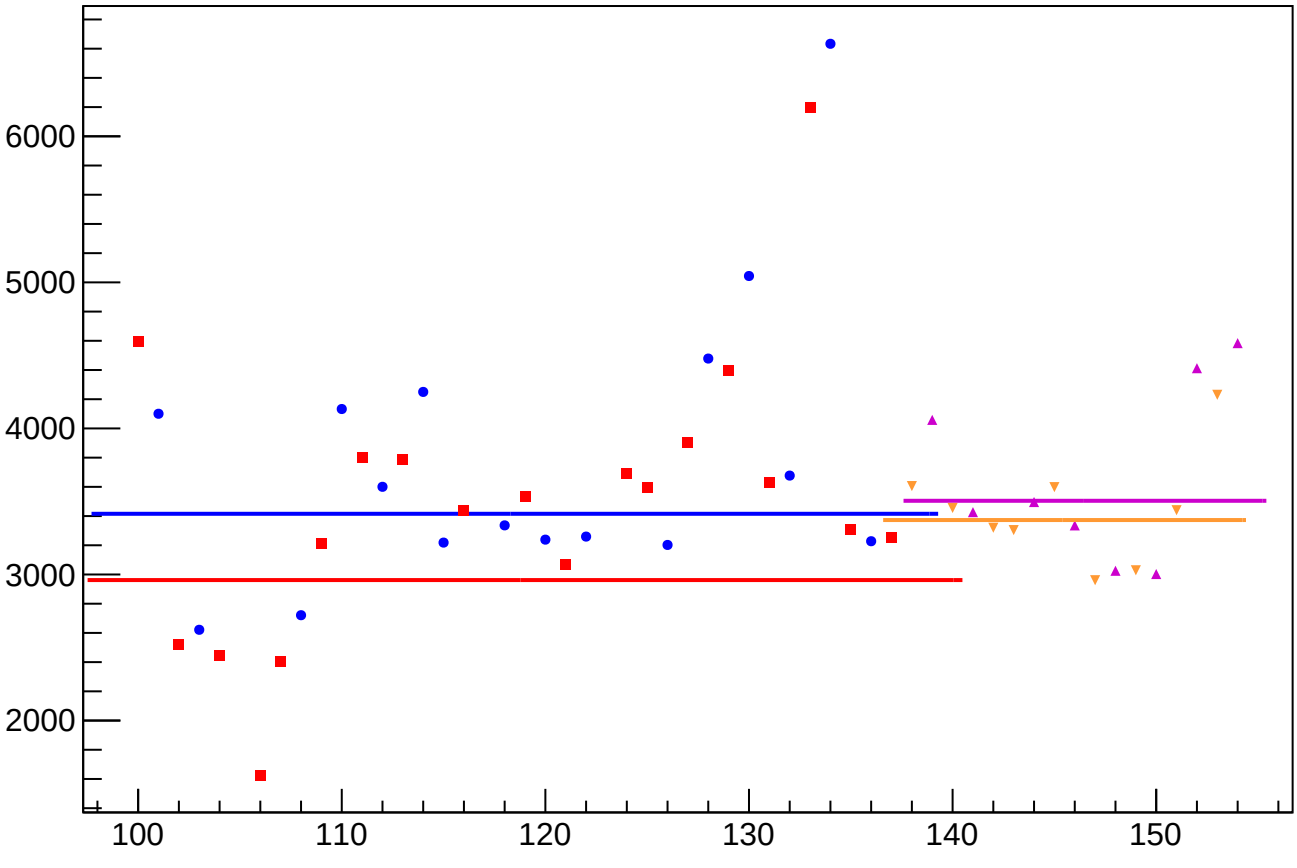
Left: -1005.052+/-928.096 χ^2/NDF: 12.7/16

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 363.253+/-934.314 χ^2/NDF:18.4/23

Out: -724.278+/-849.097 χ^2/NDF:25.2/27

All: -232.360+/-628.374 χ^2/NDF: 44.3/51



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: 3504.609+/-0.948 χ^2/NDF:299278.6/7

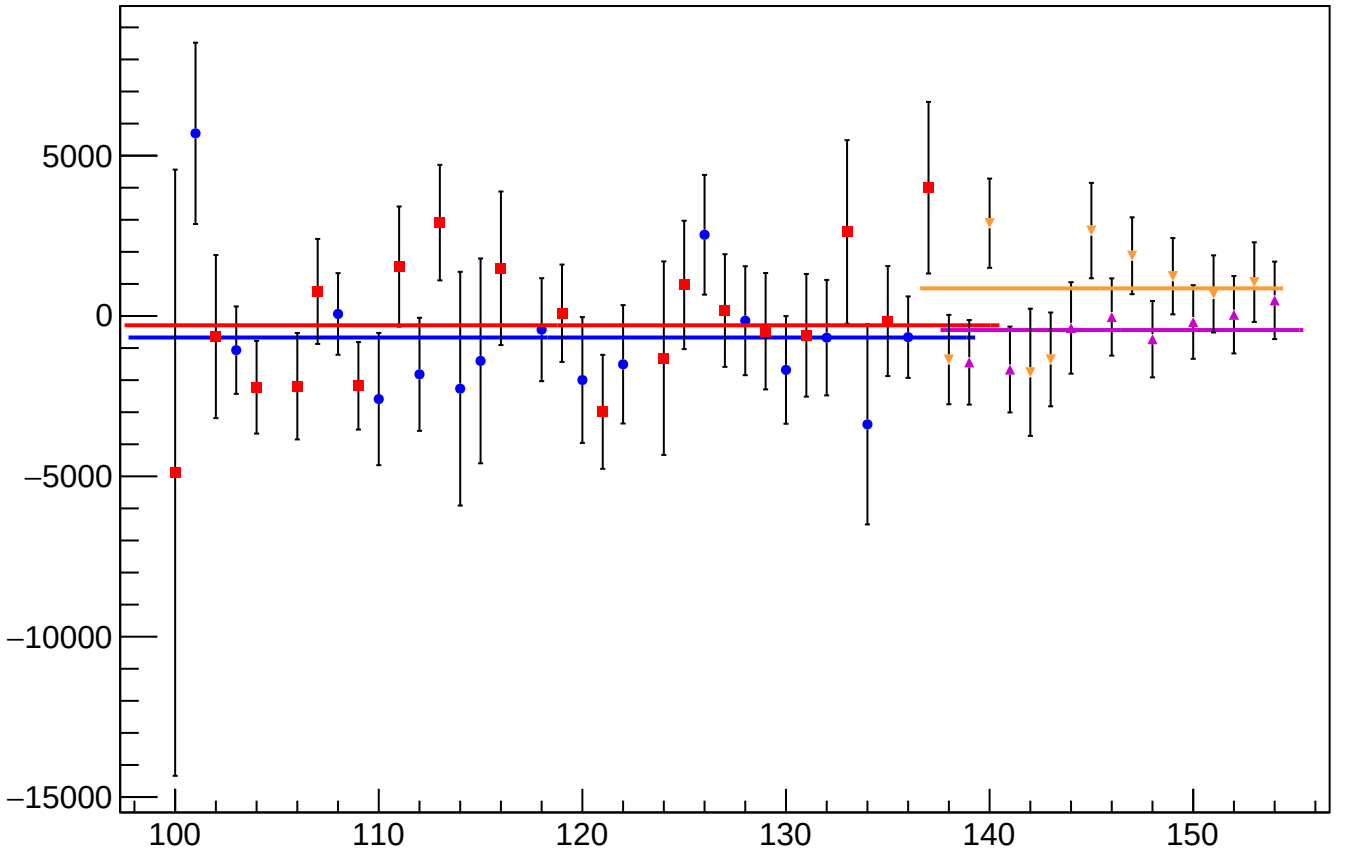
Left: 3435.902+/-0.656 χ^2/NDF: 445324.7/16

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3458.801+/-0.661 χ^2/NDF:896157.1/23

Out: 3141.020+/-0.600 χ^2/NDF:1420435.4/27

All: 3284.761+/-0.444 χ^2/NDF: 2443305.8/51



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: -437.998+/-440.625 χ^2/NDF:2.4/7

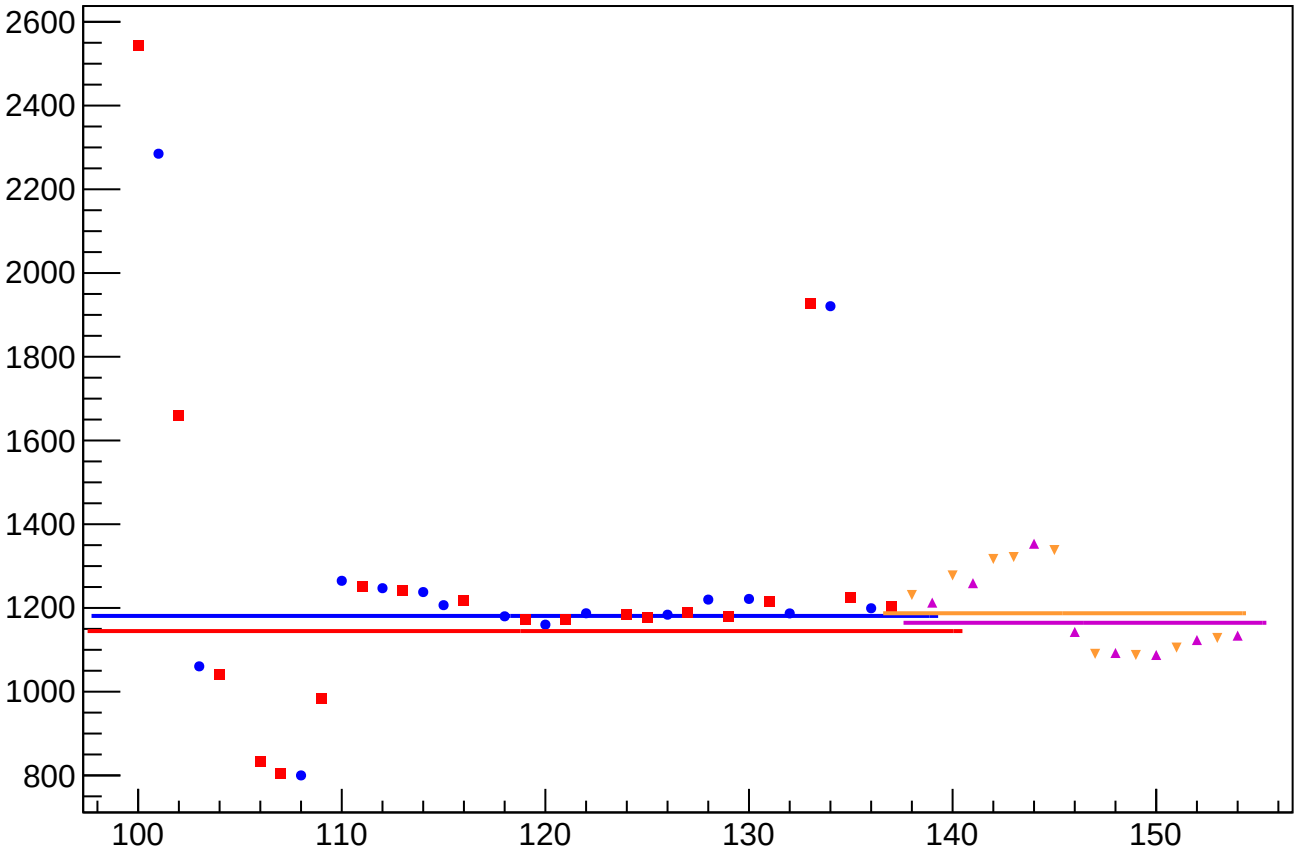
Left: 199.042+/-314.680 χ^2/NDF: 17.7/16

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -552.349+/-314.316 χ^2/NDF:14.4/23

Out: 266.205+/-312.398 χ^2/NDF:31.4/27

All: -140.567+/-221.574 χ^2/NDF: 49.2/51



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: 1164.558+/-0.312 χ^2/NDF:68282.8/7

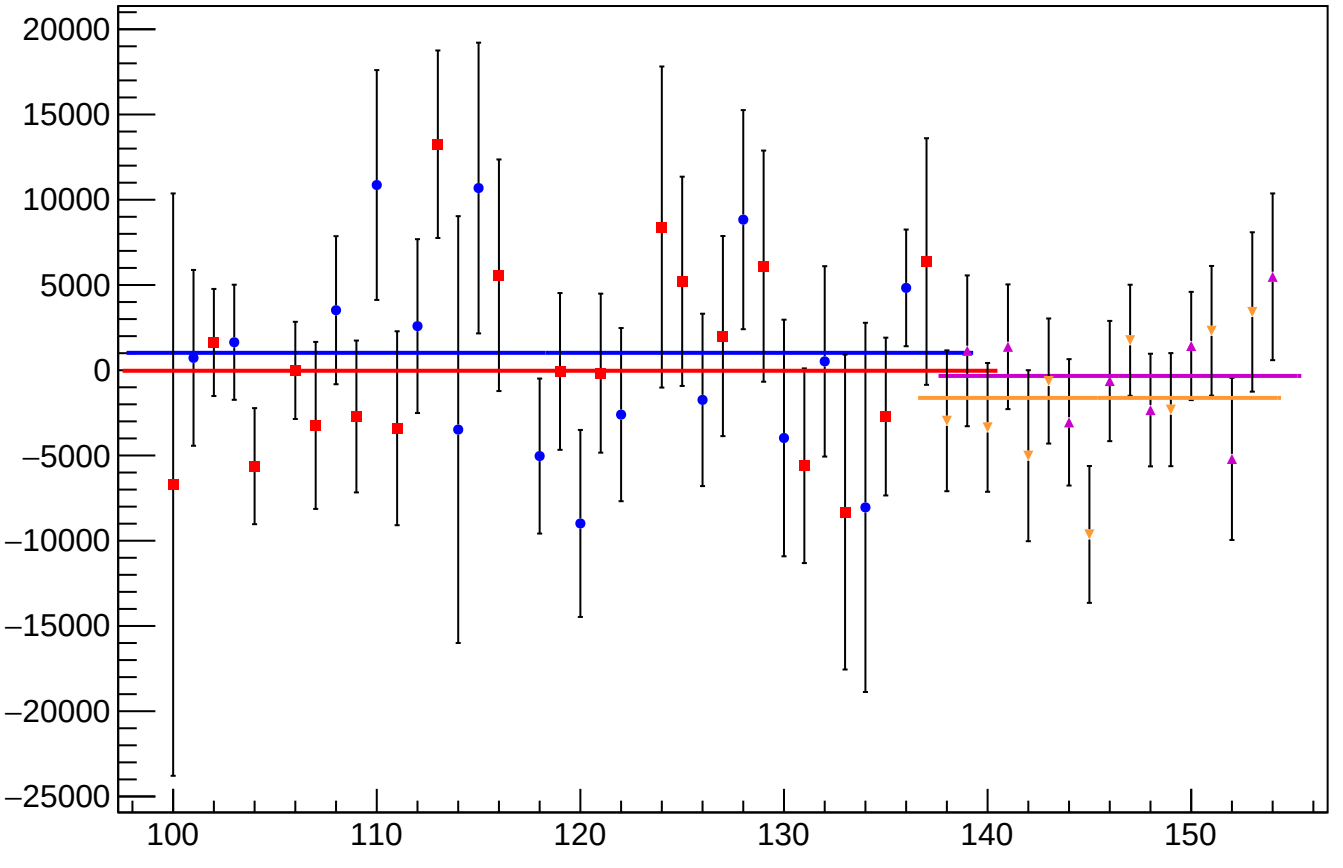
Left: 1175.718+/-0.223 χ^2/NDF: 168242.5/16

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1172.611+/-0.222 χ^2/NDF:691522.0/23

Out: 1165.318+/-0.221 χ^2/NDF:604344.0/27

All: 1168.941+/-0.157 χ^2/NDF: 1296407.9/51



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -1621.767+/-1285.745 χ^2/NDF:8.2/8

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -334.130+/-1341.057 χ^2/NDF:4.0/7

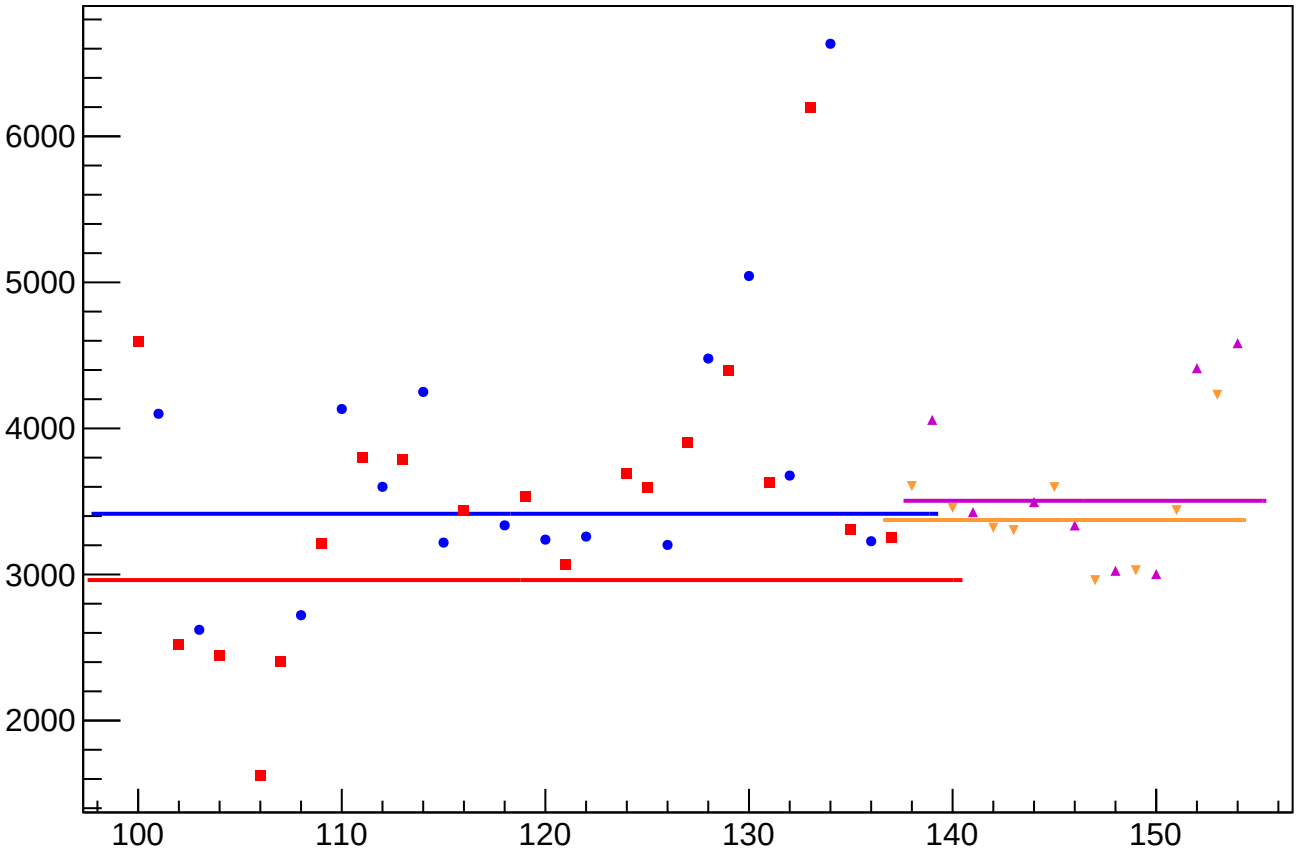
Left: -1005.050+/-928.097 χ^2/NDF: 12.7/16

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 363.247+/-934.314 χ^2/NDF:18.4/23

Out: -724.279+/-849.096 χ^2/NDF:25.2/27

All: -232.363+/-628.374 χ^2/NDF: 44.3/51



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3372.749+/-0.909 χ^2/NDF:135969.5/8

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3504.613+/-0.948 χ^2/NDF:299276.0/7

Left: 3435.906+/-0.656 χ^2/NDF: 445320.9/16

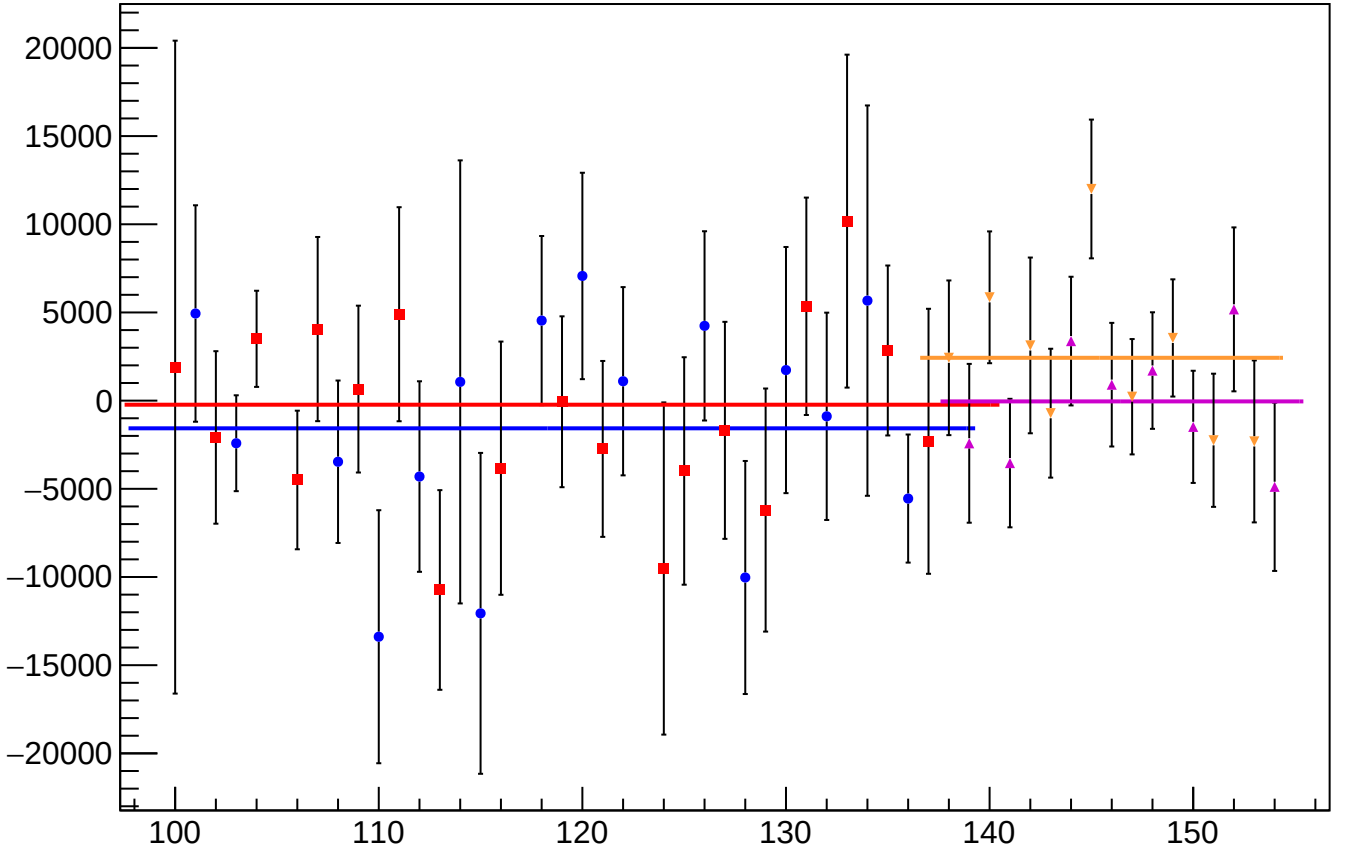
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3458.801+/-0.661 χ^2/NDF:896150.3/23

Out: 3141.019+/-0.600 χ^2/NDF:1420438.9/27

All: 3284.760+/-0.444 χ^2/NDF: 2443304.0/51

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



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: -43.772+/-1334.061 χ^2/NDF:4.9/7

Left: 1238.143+/-925.717 χ^2/NDF: 17.4/16

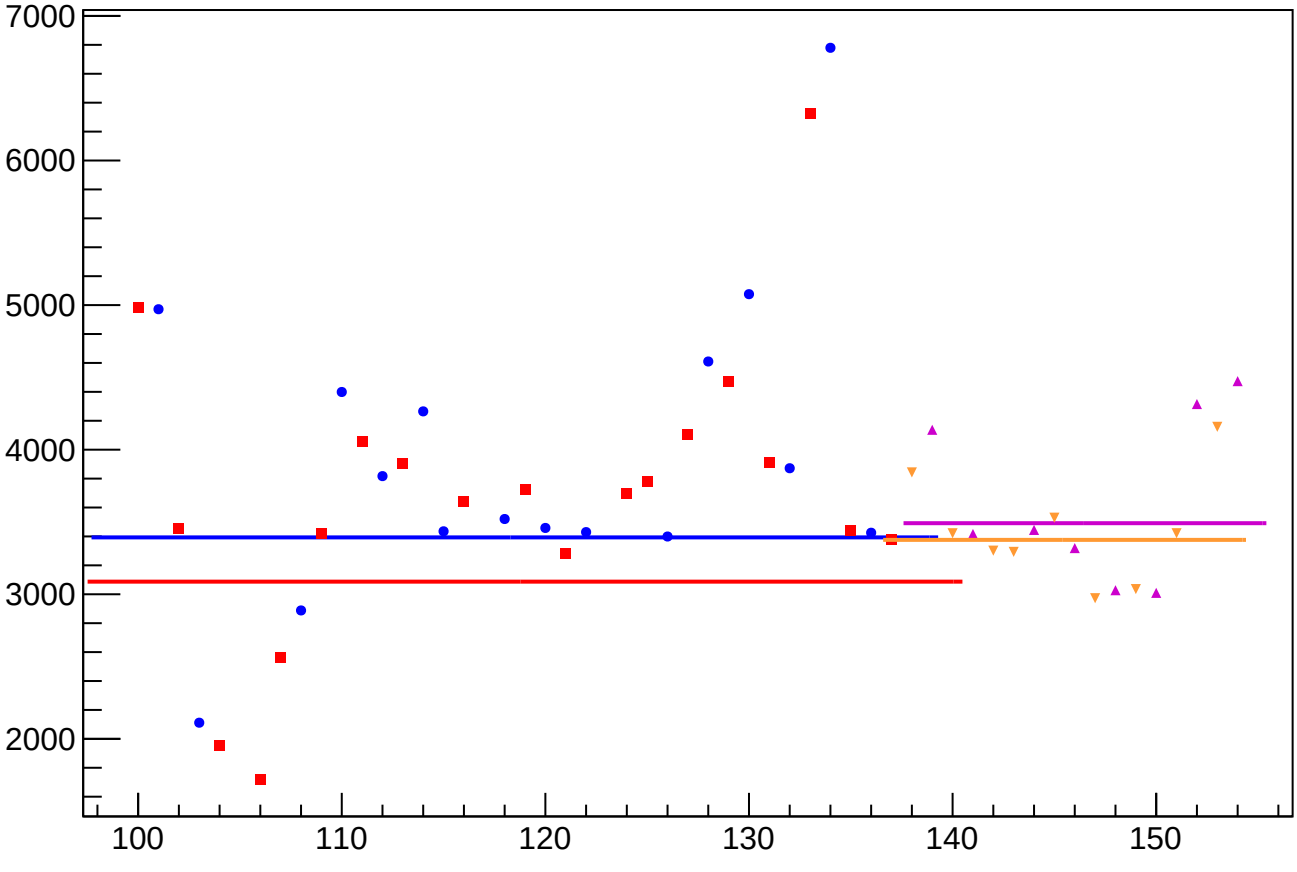
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -818.968+/-935.766 χ^2/NDF:20.1/23

Out: 1033.843+/-886.598 χ^2/NDF:26.2/27

All: 157.390+/-643.600 χ^2/NDF: 48.3/51

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: 3491.570+/-0.943 χ^2/NDF:280127.1/7

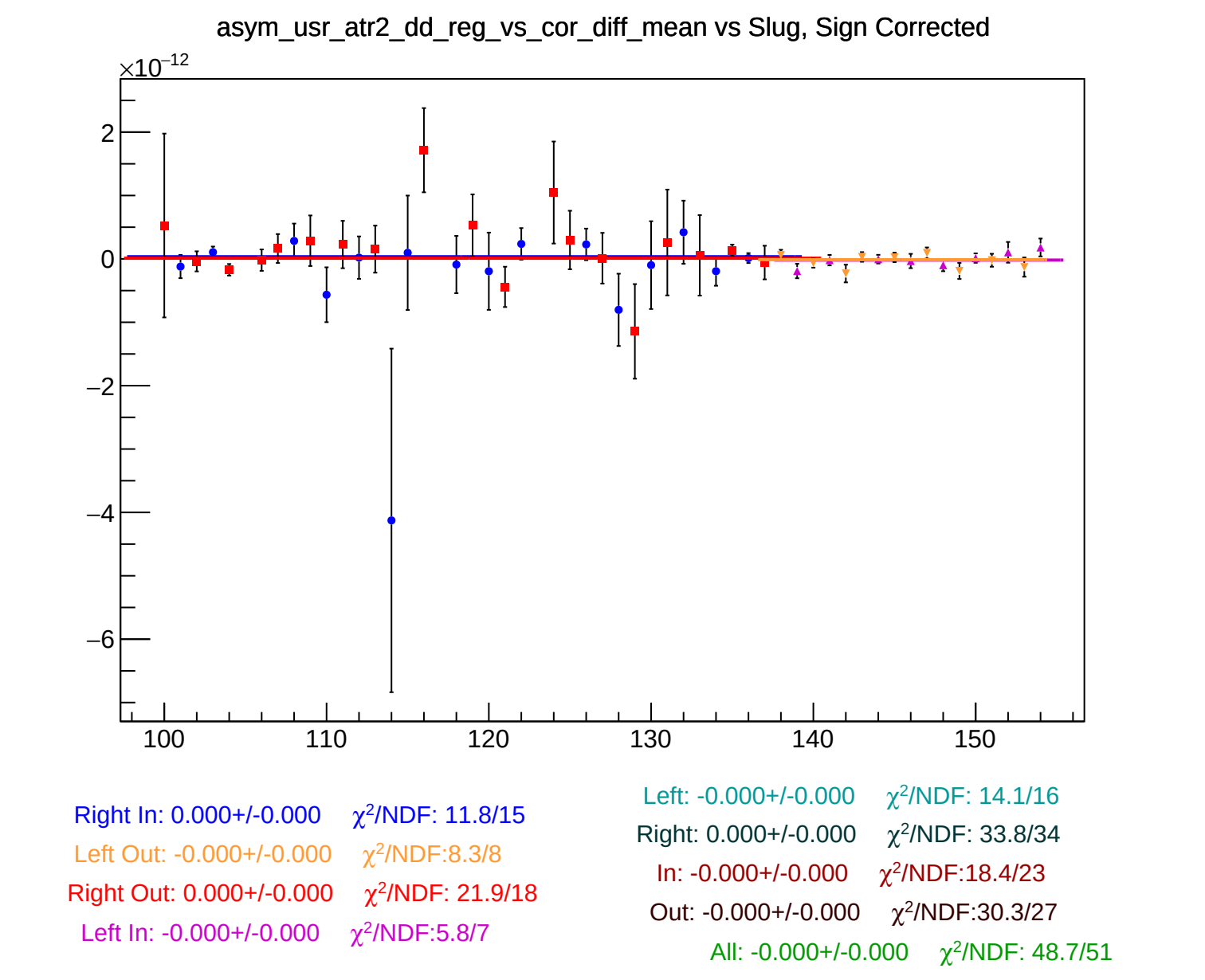
Left: 3431.755+/-0.655 χ^2/NDF: 425058.3/16

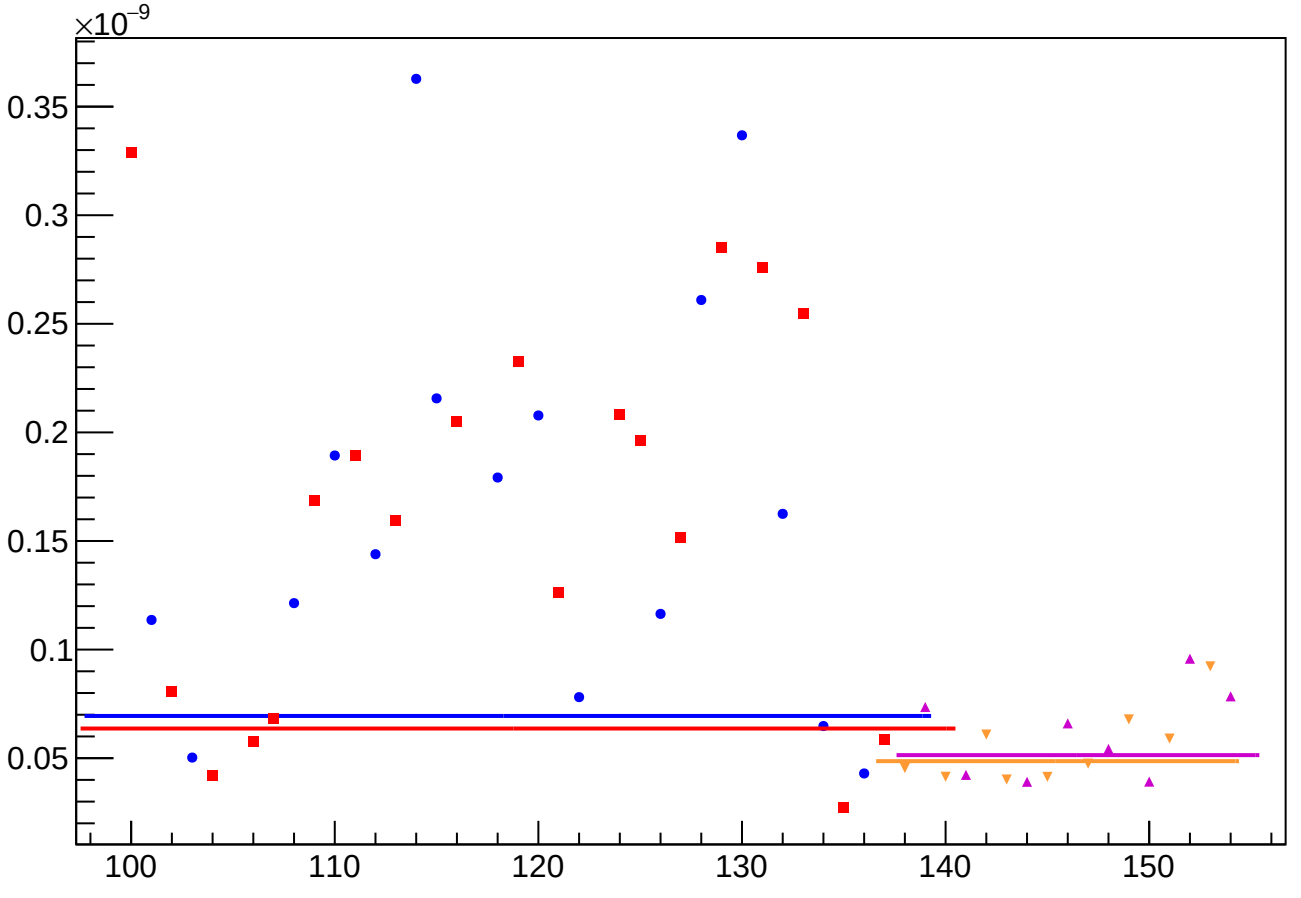
Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3441.684+/-0.662 χ^2/NDF:1334340.2/23

Out: 3222.274+/-0.621 χ^2/NDF:1519345.3/27

All: 3325.087+/-0.453 χ^2/NDF: 2912115.7/51


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:5.8/7
Left: -0.000+/-0.000 χ²/NDF: 14.1/16
Right: 0.000+/-0.000 χ²/NDF: 33.8/34
In: -0.000+/-0.000 χ²/NDF:18.4/23
Out: -0.000+/-0.000 χ²/NDF:30.3/27
All: -0.000+/-0.000 χ²/NDF: 48.7/51



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:475635.6/7

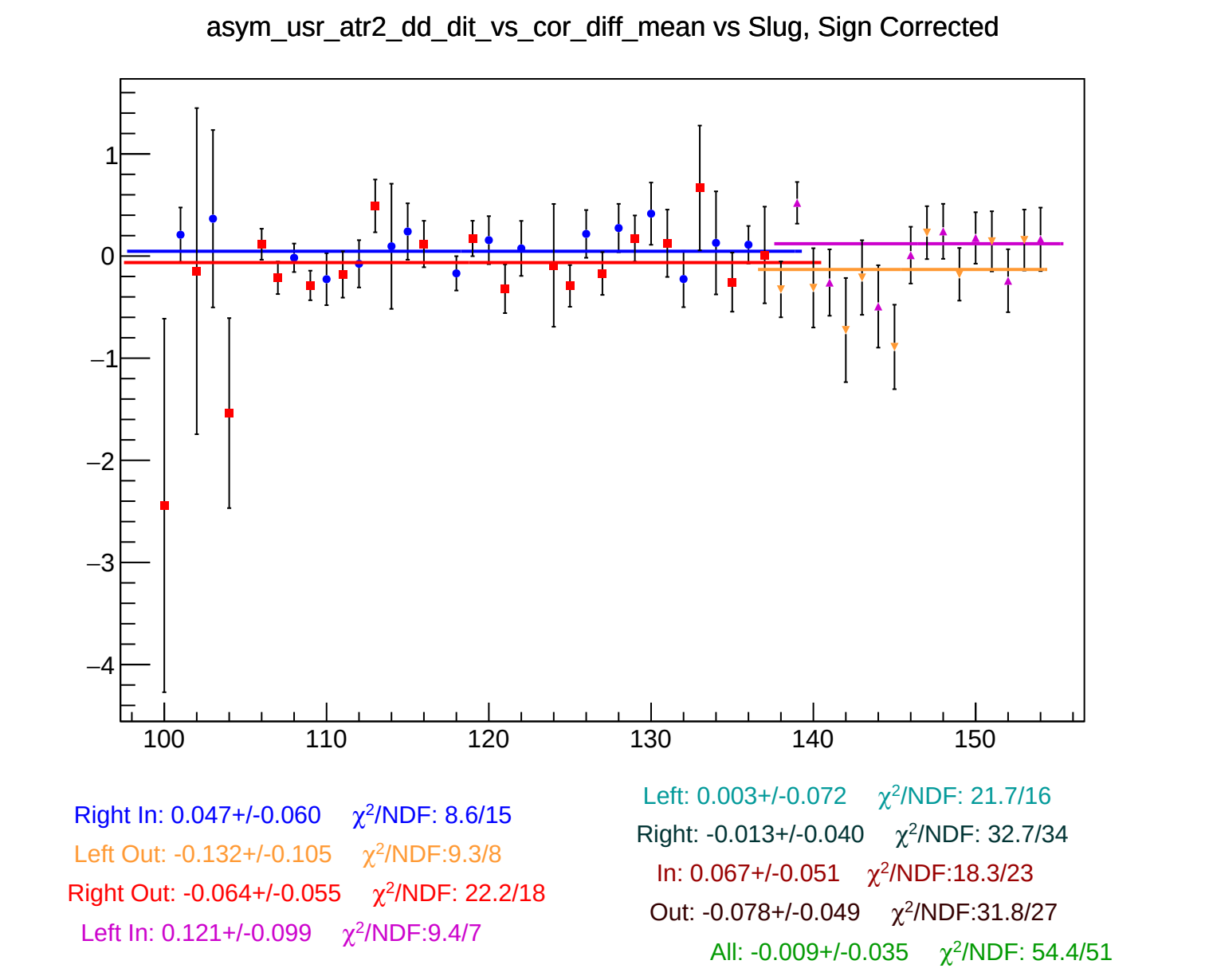
Left: 0.000+/-0.000 χ^2/NDF: 796941.4/16

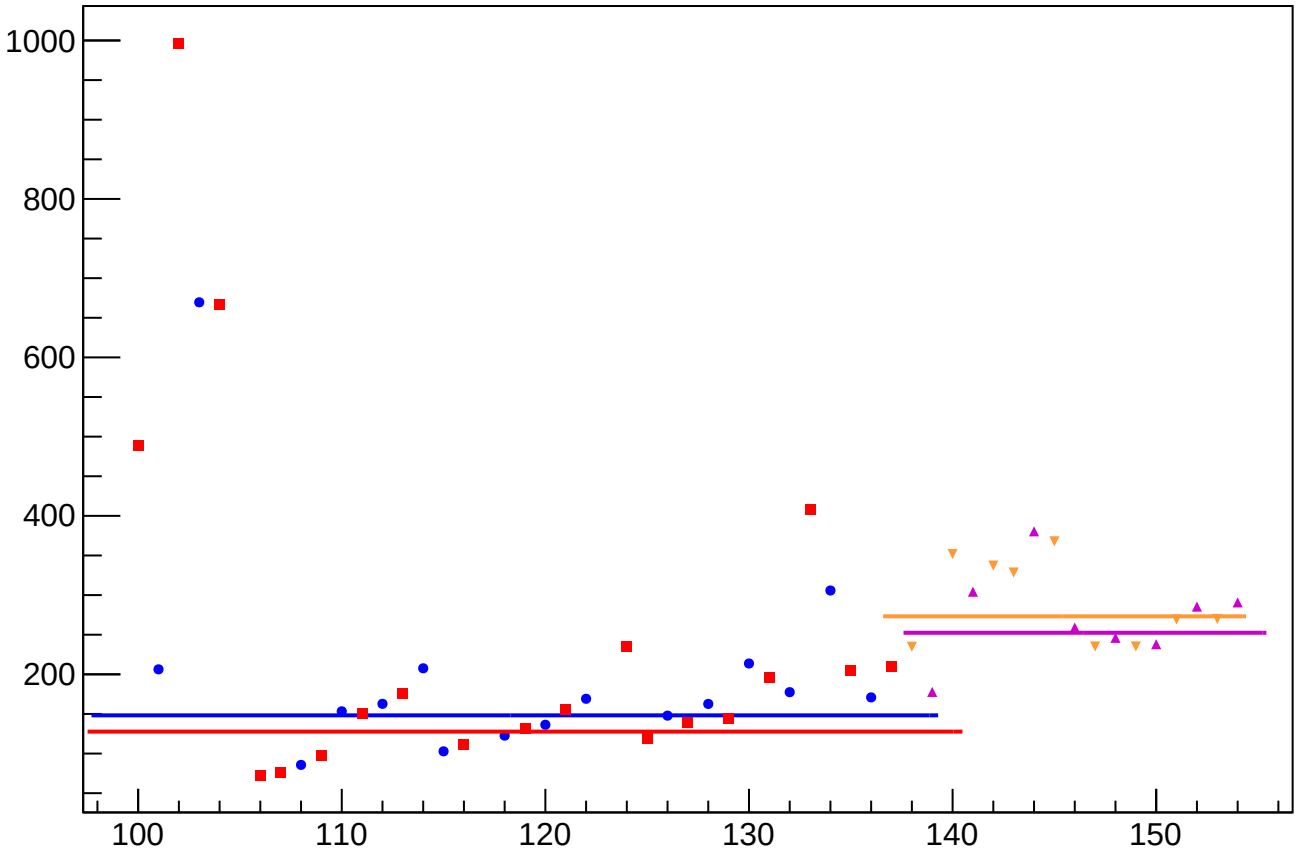
Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2390486.9/23

Out: 0.000+/-0.000 χ^2/NDF:2697216.1/27

All: 0.000+/-0.000 χ^2/NDF: 5113946.5/51


asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.132+/-0.105 χ²/NDF:9.3/8
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.121+/-0.099 χ²/NDF:9.4/7
Left: 0.003+/-0.072 χ²/NDF: 21.7/16
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.067+/-0.051 χ²/NDF:18.3/23
Out: -0.078+/-0.049 χ²/NDF:31.8/27
All: -0.009+/-0.035 χ²/NDF: 54.4/51



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: 252.445+/-0.070 χ^2/NDF:582631.1/7

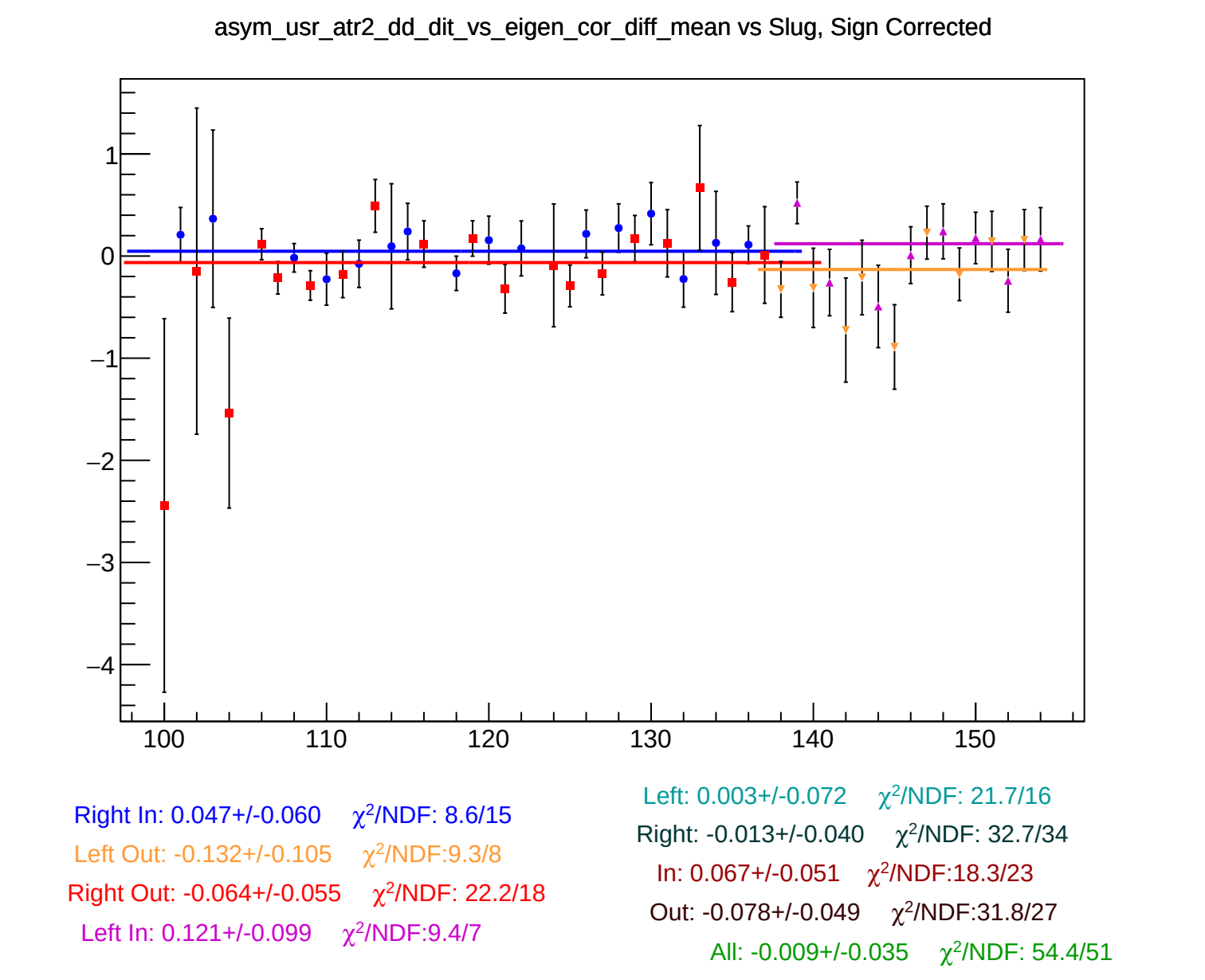
Left: 262.115+/-0.051 χ^2/NDF: 1014791.5/16

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 176.459+/-0.036 χ^2/NDF:3924754.3/23

Out: 158.508+/-0.034 χ^2/NDF:6234172.6/27

All: 166.993+/-0.025 χ^2/NDF: 10288265.2/51


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
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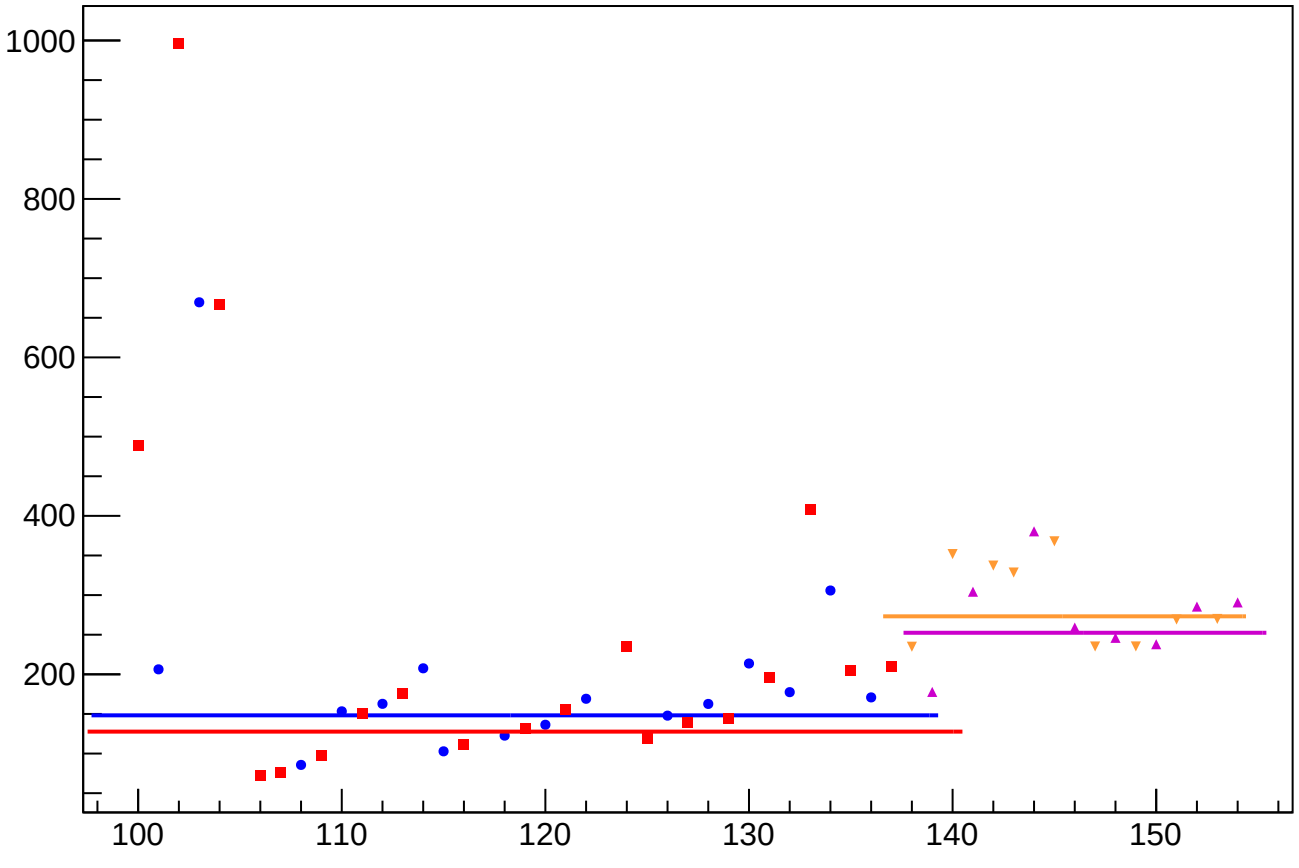
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.132+/-0.105 χ²/NDF:9.3/8
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.121+/-0.099 χ²/NDF:9.4/7
Left: 0.003+/-0.072 χ²/NDF: 21.7/16
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.067+/-0.051 χ²/NDF:18.3/23
Out: -0.078+/-0.049 χ²/NDF:31.8/27
All: -0.009+/-0.035 χ²/NDF: 54.4/51



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: 252.445+/-0.070 χ^2/NDF:582631.1/7

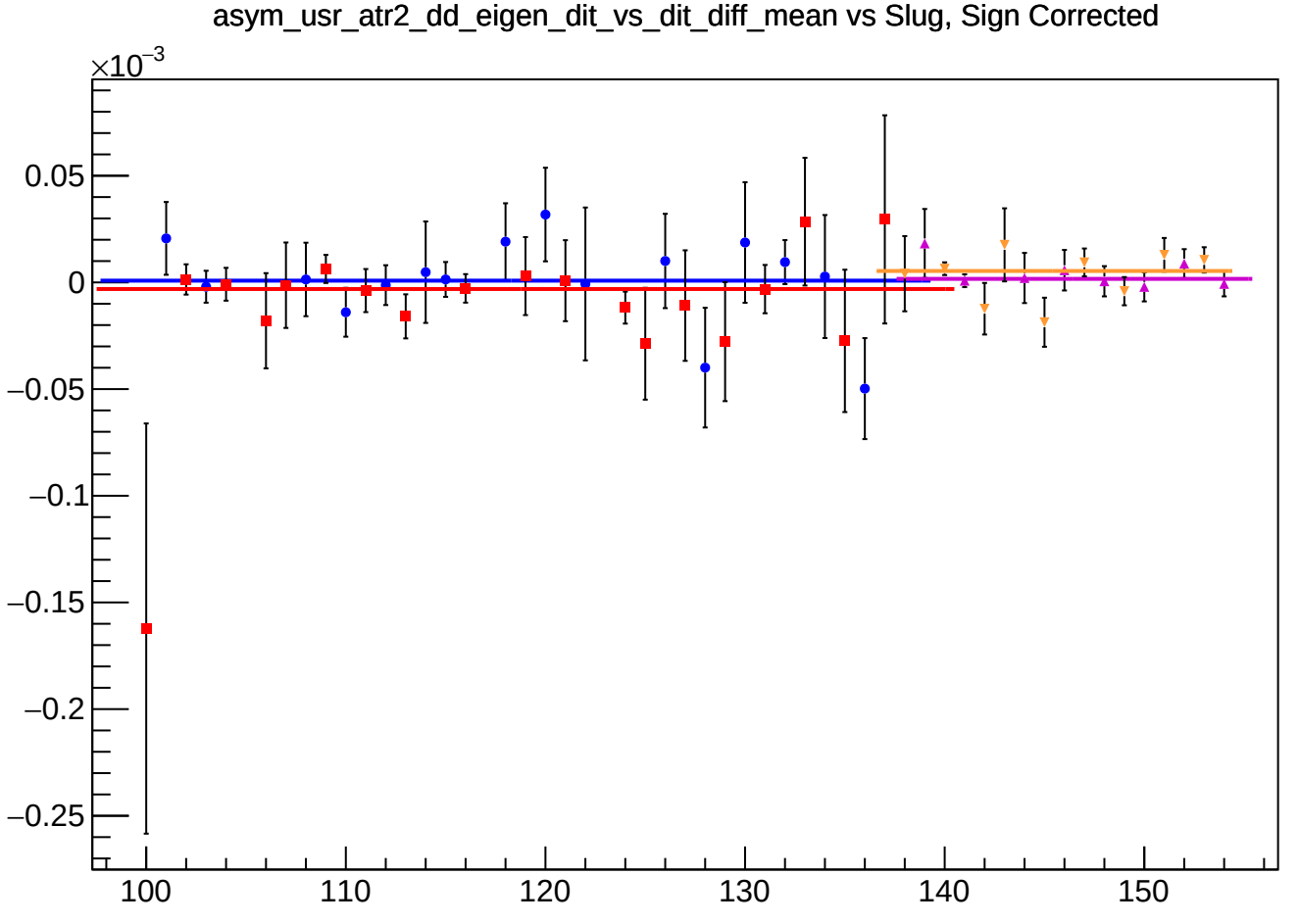
Left: 262.115+/-0.051 χ^2/NDF: 1014791.5/16

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 176.459+/-0.036 χ^2/NDF:3924754.3/23

Out: 158.508+/-0.034 χ^2/NDF:6234172.6/27

All: 166.993+/-0.025 χ^2/NDF: 10288265.2/51



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:2.9/7

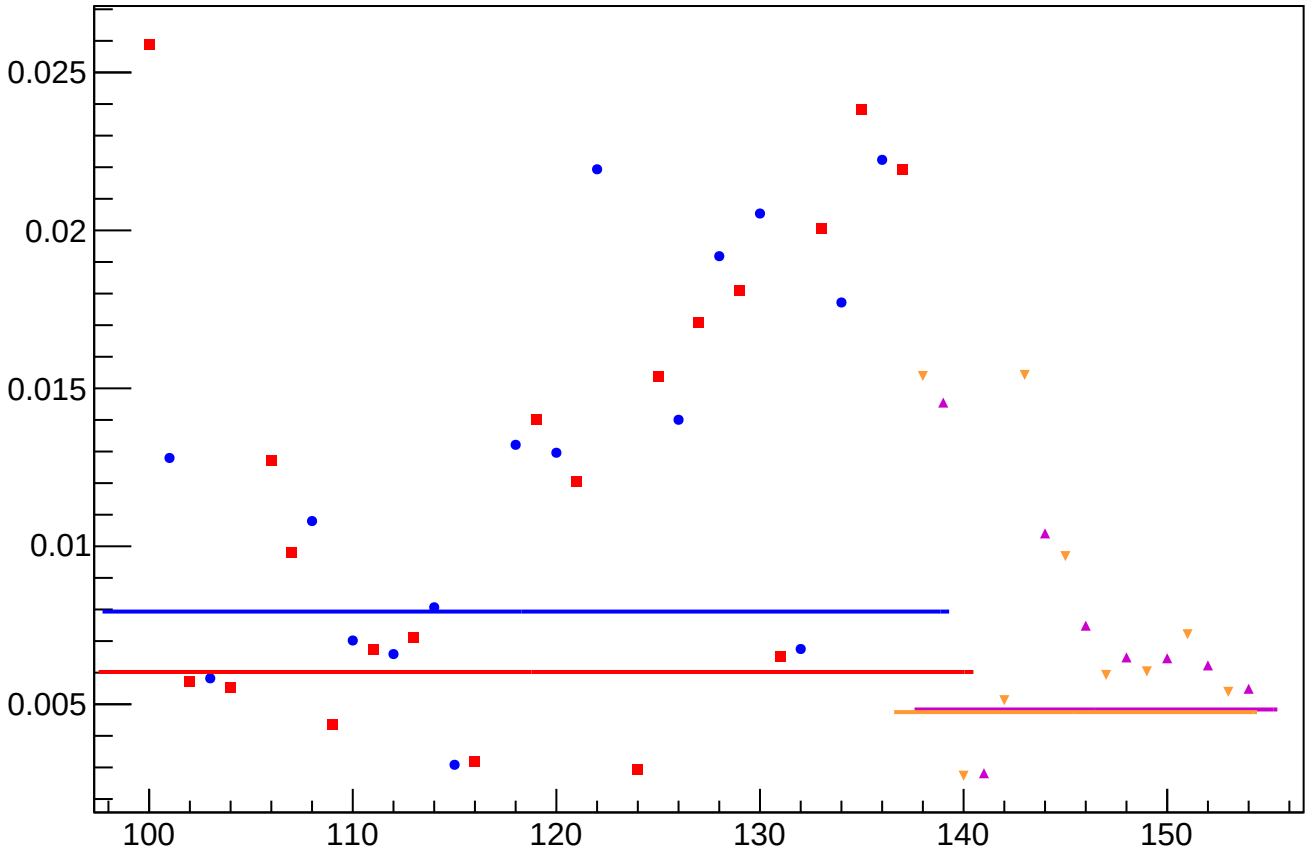
Left: 0.000+/-0.000 χ^2/NDF: 15.7/16

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:17.2/23

Out: 0.000+/-0.000 χ^2/NDF:30.2/27

All: 0.000+/-0.000 χ^2/NDF: 47.5/51



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:2564754.1/7

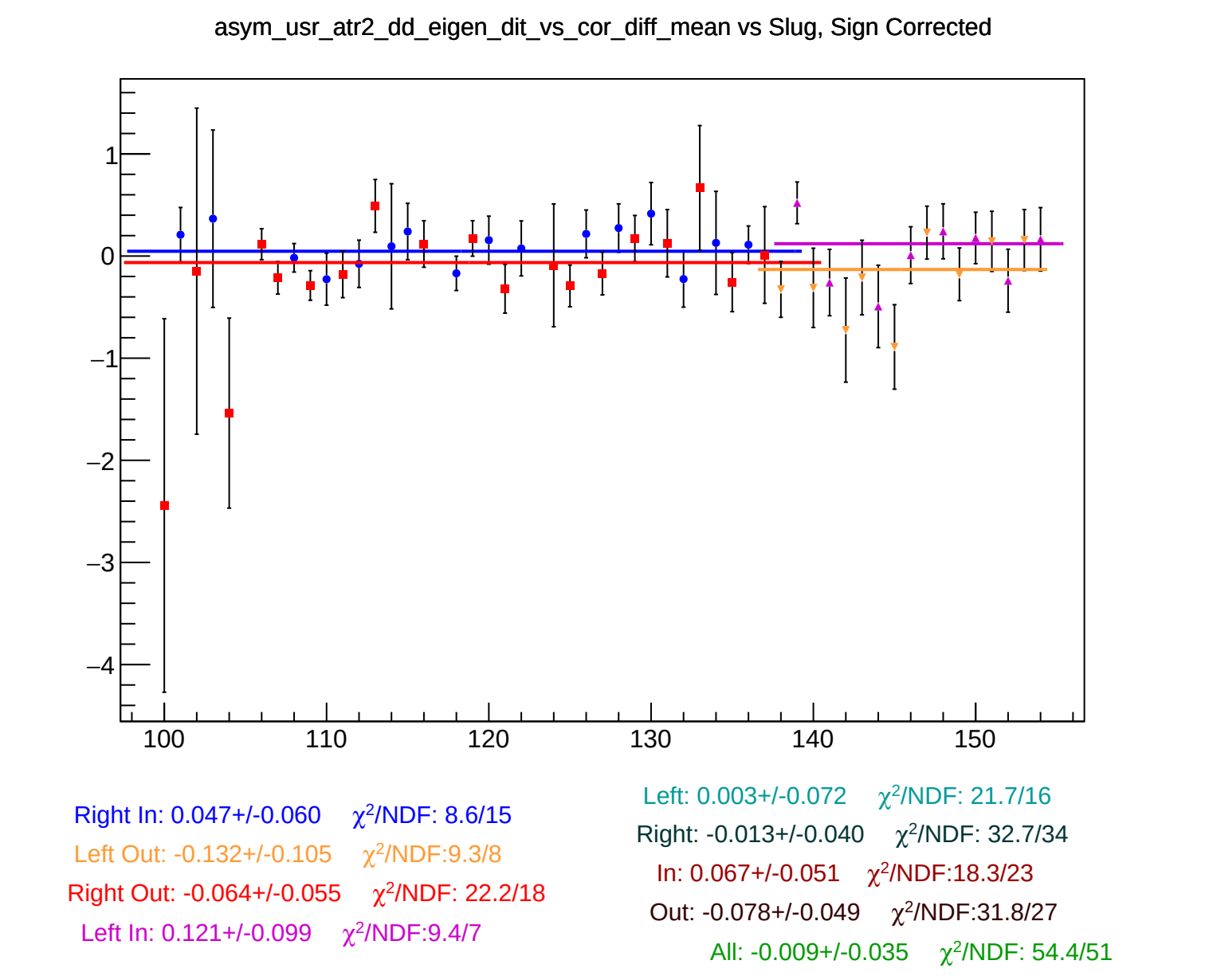
Left: 0.005+/-0.000 χ^2/NDF: 5709928.7/16

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7312786.9/23

Out: 0.005+/-0.000 χ^2/NDF:7436066.4/27

All: 0.005+/-0.000 χ^2/NDF: 14808971.2/51


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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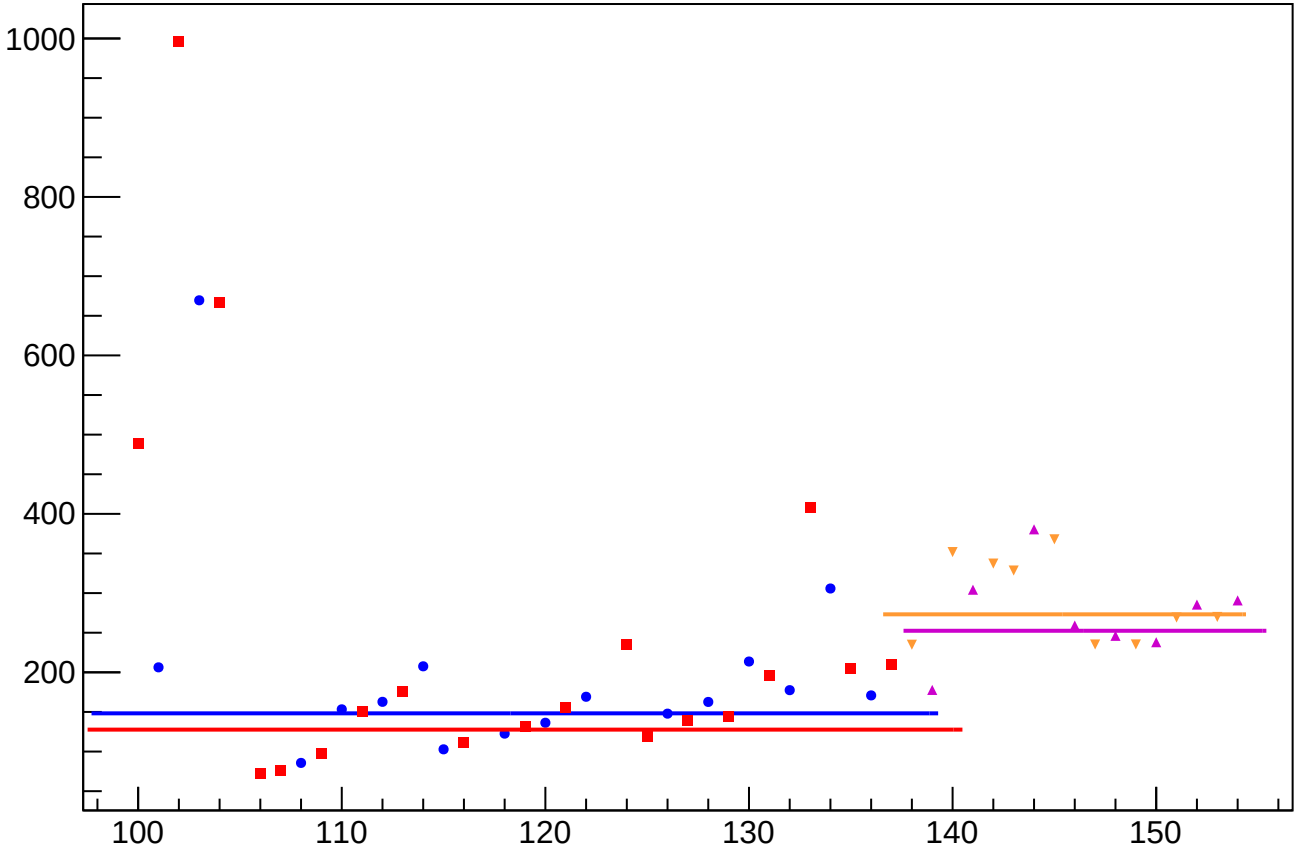
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.132+/-0.105 χ²/NDF:9.3/8
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.121+/-0.099 χ²/NDF:9.4/7
Left: 0.003+/-0.072 χ²/NDF: 21.7/16
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.067+/-0.051 χ²/NDF:18.3/23
Out: -0.078+/-0.049 χ²/NDF:31.8/27
All: -0.009+/-0.035 χ²/NDF: 54.4/51

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: 252.449+/-0.070 χ^2/NDF:582592.1/7

Left: 262.118+/-0.051 χ^2/NDF: 1014731.1/16

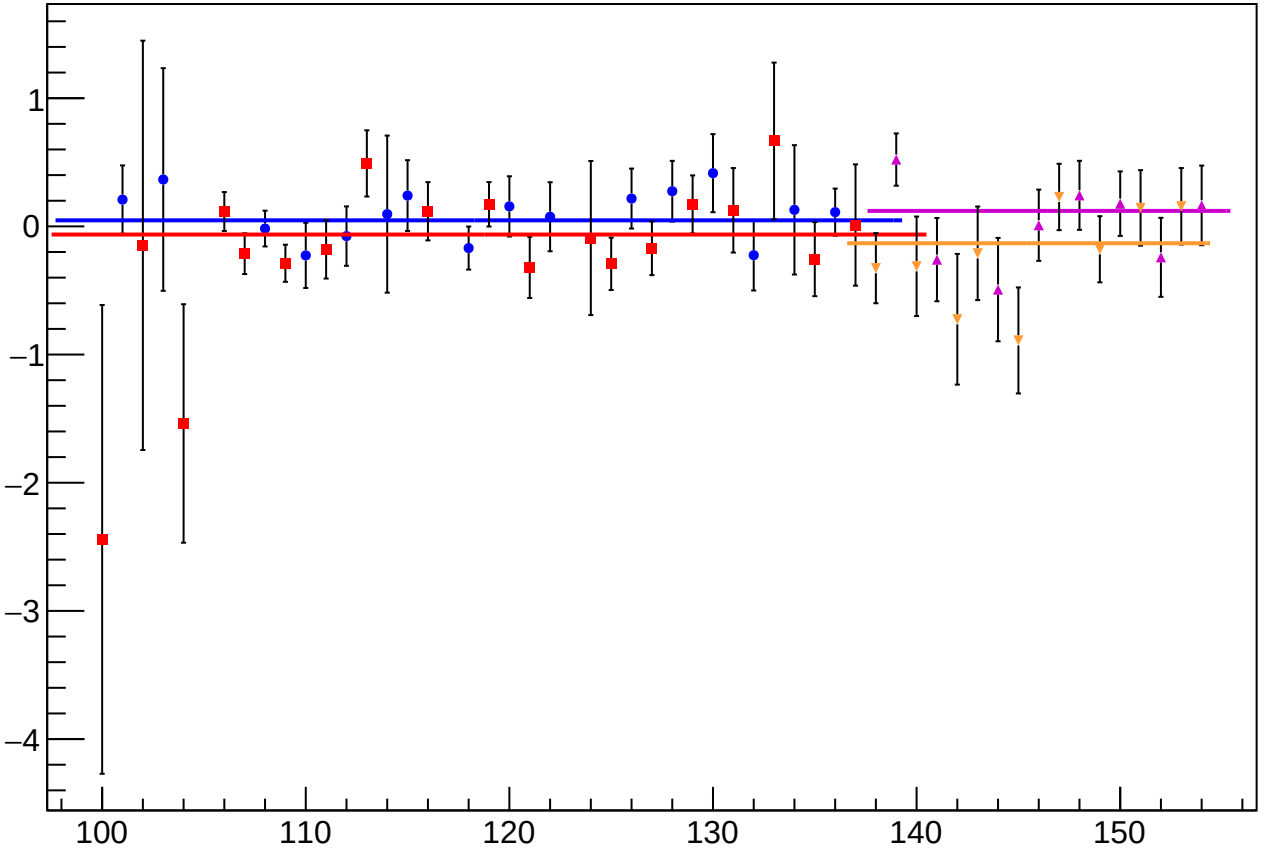
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 176.458+/-0.036 χ^2/NDF:3924948.6/23

Out: 158.508+/-0.034 χ^2/NDF:6234221.3/27

All: 166.993+/-0.025 χ^2/NDF: 10288477.6/51

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: 0.121+/-0.099 χ^2/NDF:9.4/7

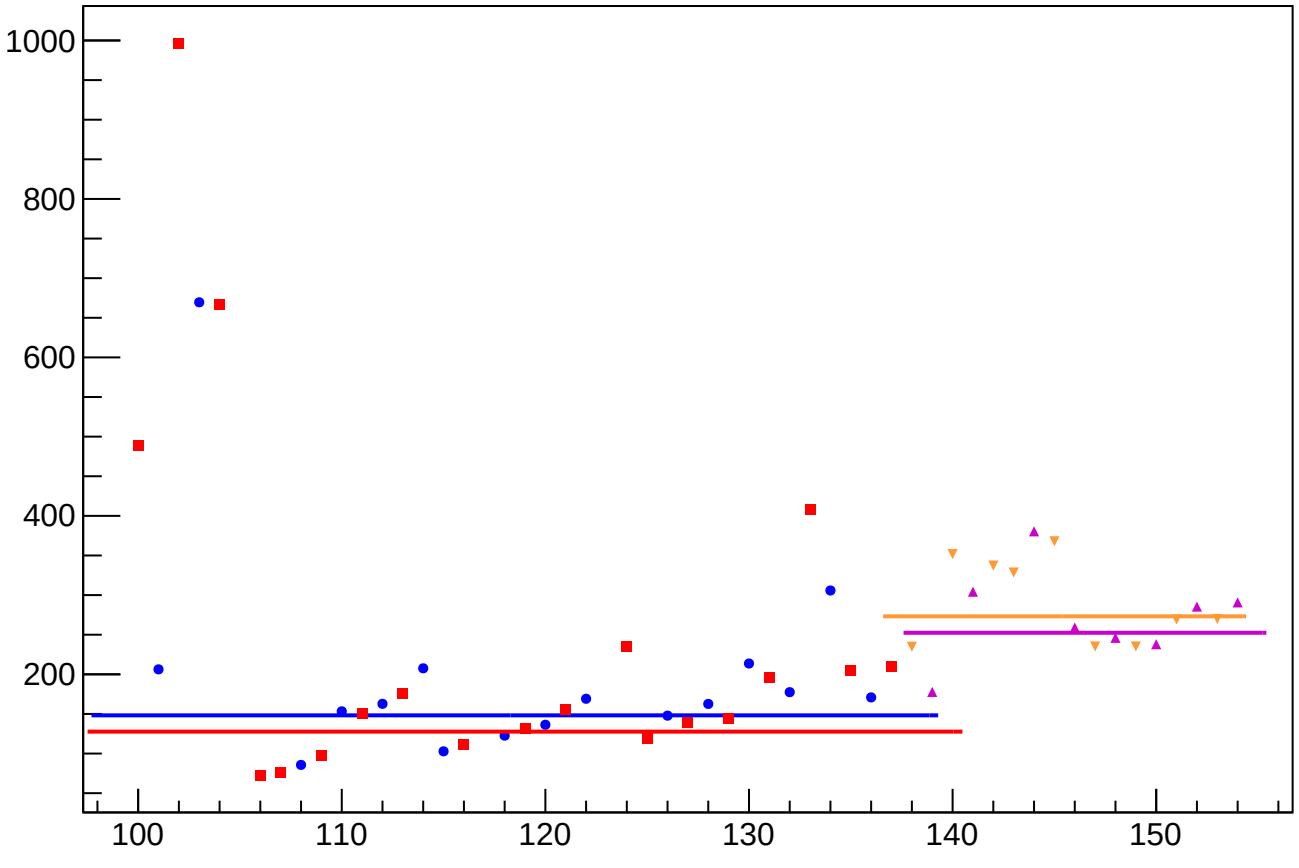
Left: 0.003+/-0.072 χ^2/NDF: 21.7/16

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.067+/-0.051 χ^2/NDF:18.3/23

Out: -0.078+/-0.049 χ^2/NDF:31.8/27

All: -0.009+/-0.035 χ^2/NDF: 54.4/51



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: 252.449+/-0.070 χ^2/NDF:582592.1/7

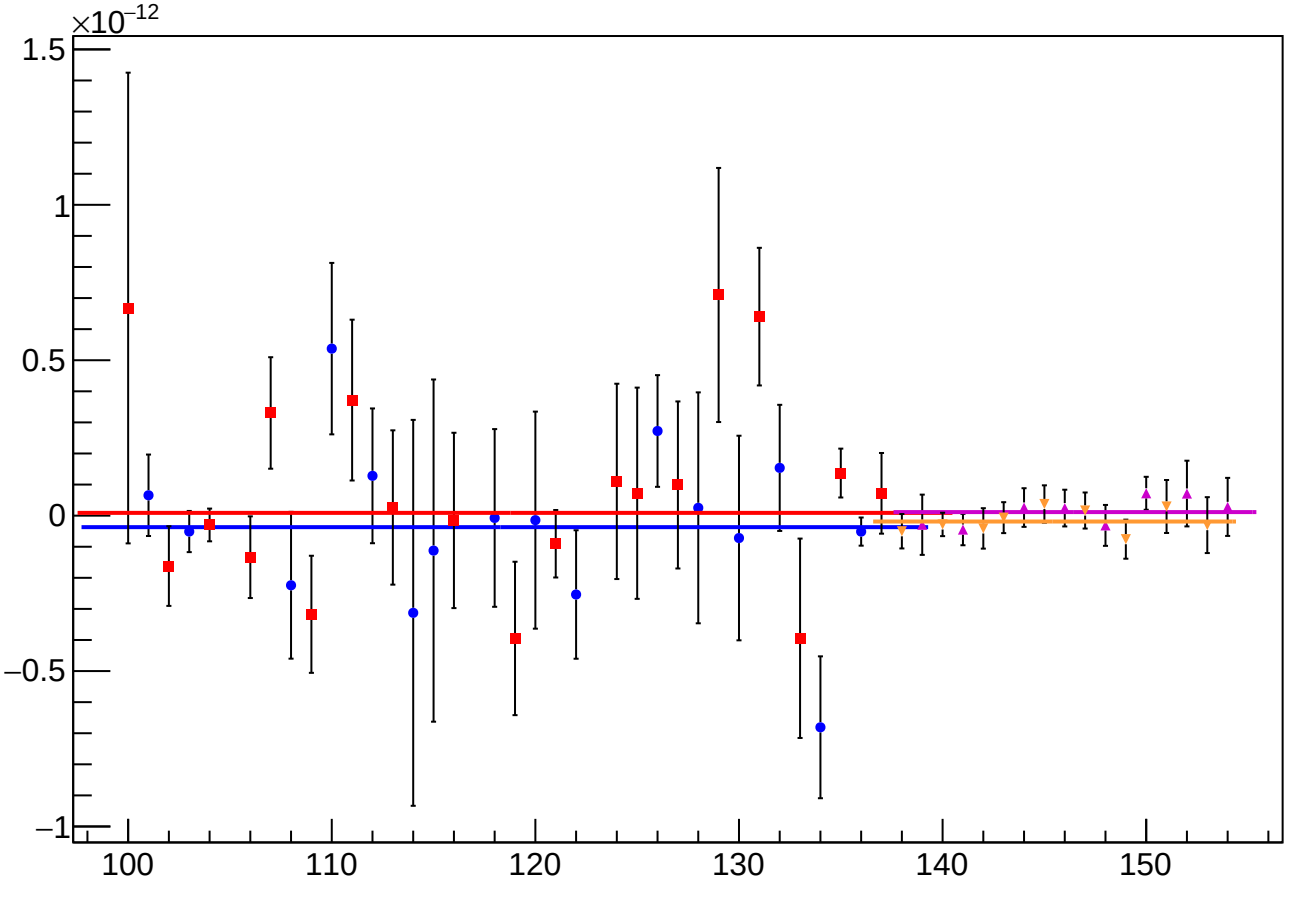
Left: 262.118+/-0.051 χ^2/NDF: 1014731.1/16

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 176.458+/-0.036 χ^2/NDF:3924948.6/23

Out: 158.508+/-0.034 χ^2/NDF:6234221.3/27

All: 166.993+/-0.025 χ^2/NDF: 10288477.6/51



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:3.6/7

Left: -0.000+/-0.000 χ^2/NDF: 7.6/16

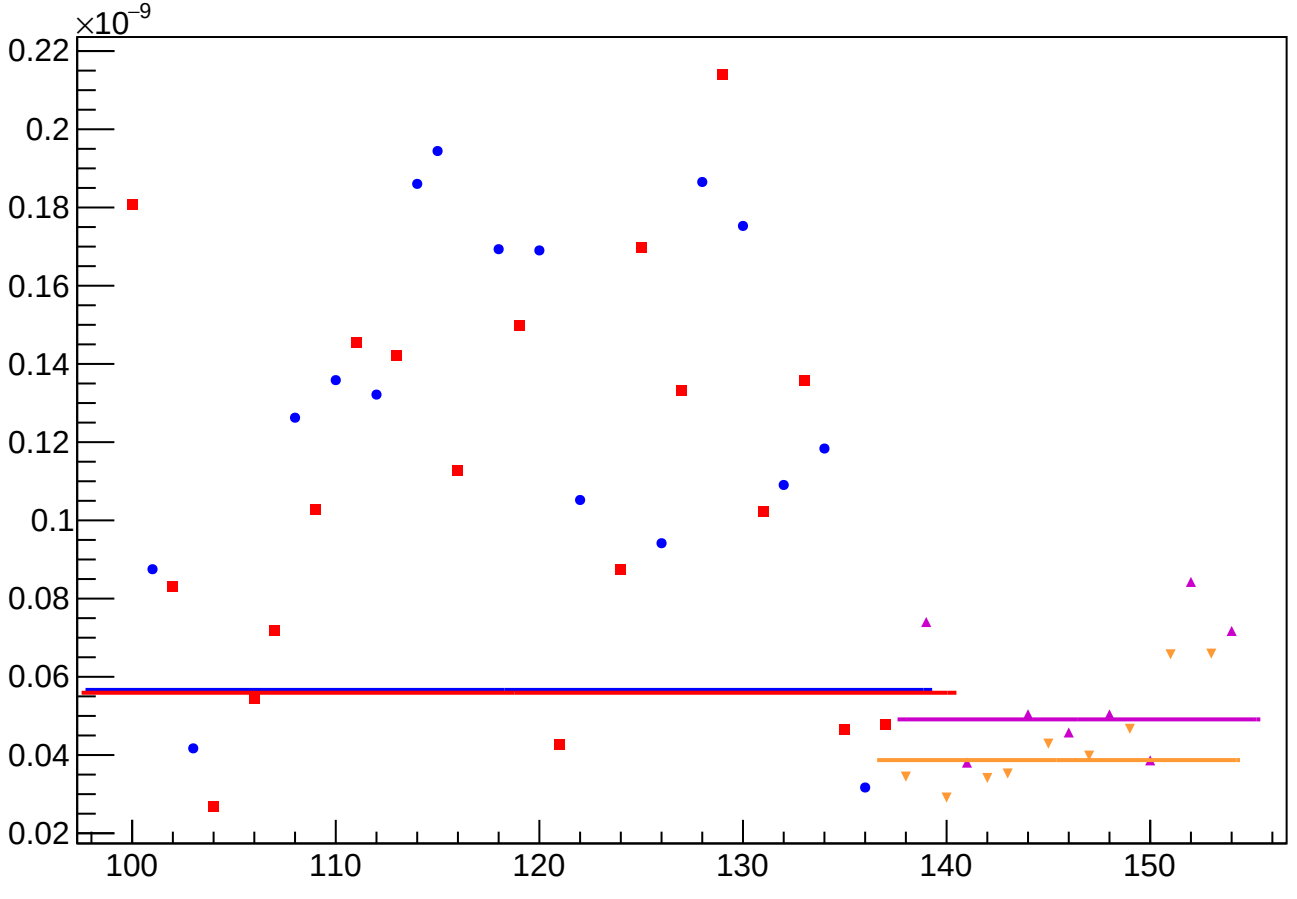
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:24.6/23

Out: -0.000+/-0.000 χ^2/NDF:35.3/27

All: -0.000+/-0.000 χ^2/NDF: 59.9/51

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:588445.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:652581.7/7

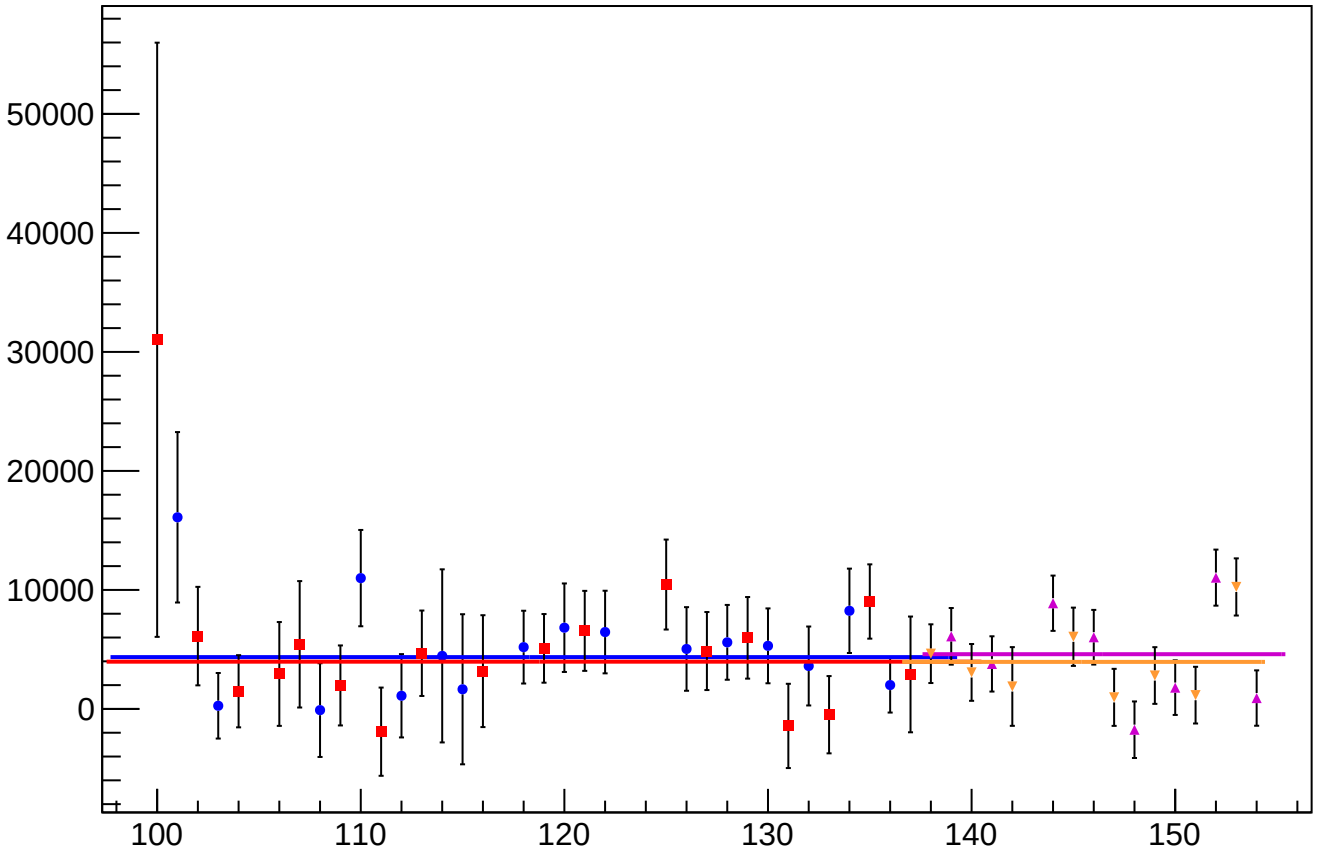
Left: 0.000+/-0.000 χ^2/NDF: 1479833.0/16

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3837781.1/23

Out: 0.000+/-0.000 χ^2/NDF:3748985.6/27

All: 0.000+/-0.000 χ^2/NDF: 7818813.0/51



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: 4599.462+/-825.072 χ^2/NDF:22.9/7

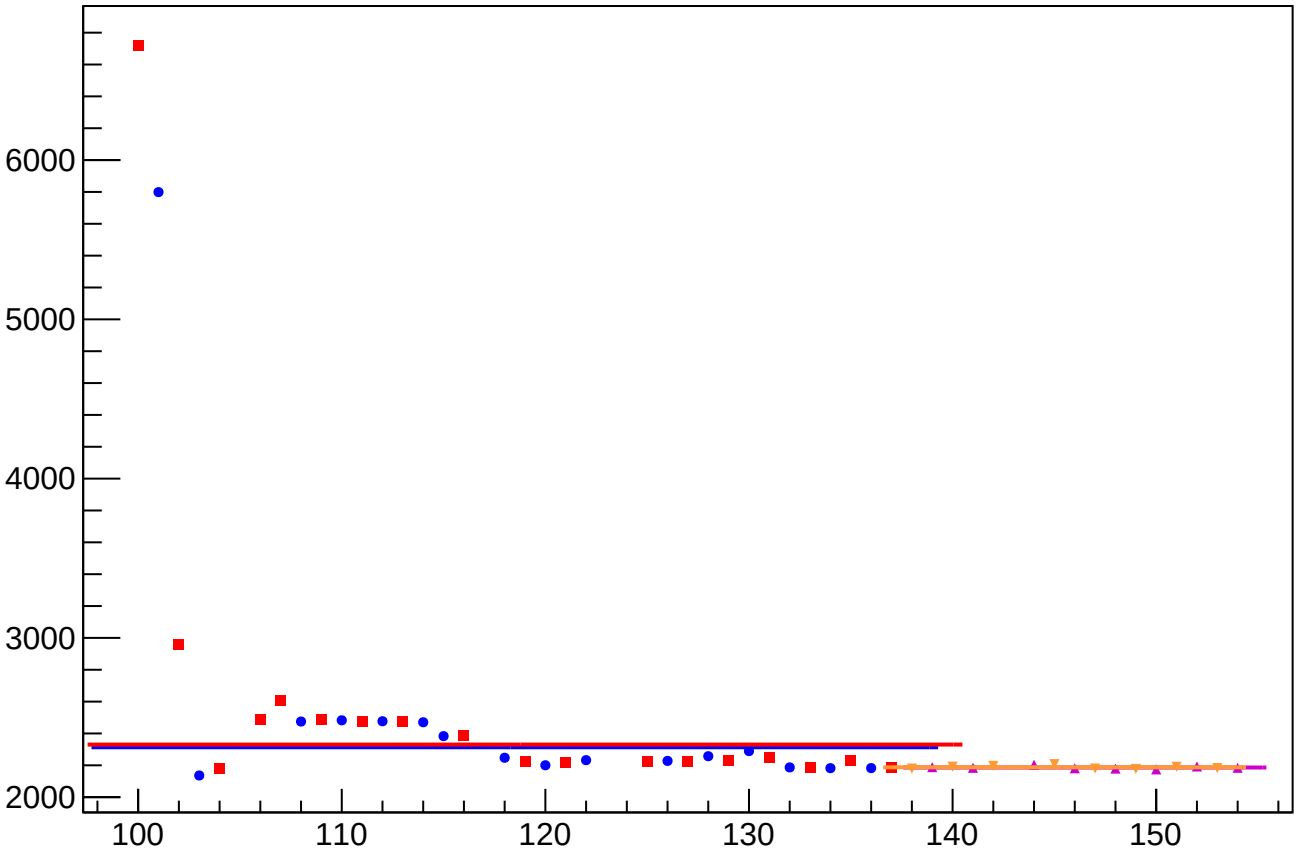
Left: 4296.118+/-601.157 χ^2/NDF: 34.6/15

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4484.120+/-600.339 χ^2/NDF:36.3/23

Out: 3962.331+/-618.352 χ^2/NDF:27.5/25

All: 4230.936+/-430.731 χ^2/NDF: 64.2/49



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: 2186.188+/-0.583 χ^2/NDF:211.8/7

Left: 2186.789+/-0.425 χ^2/NDF: 455.6/15

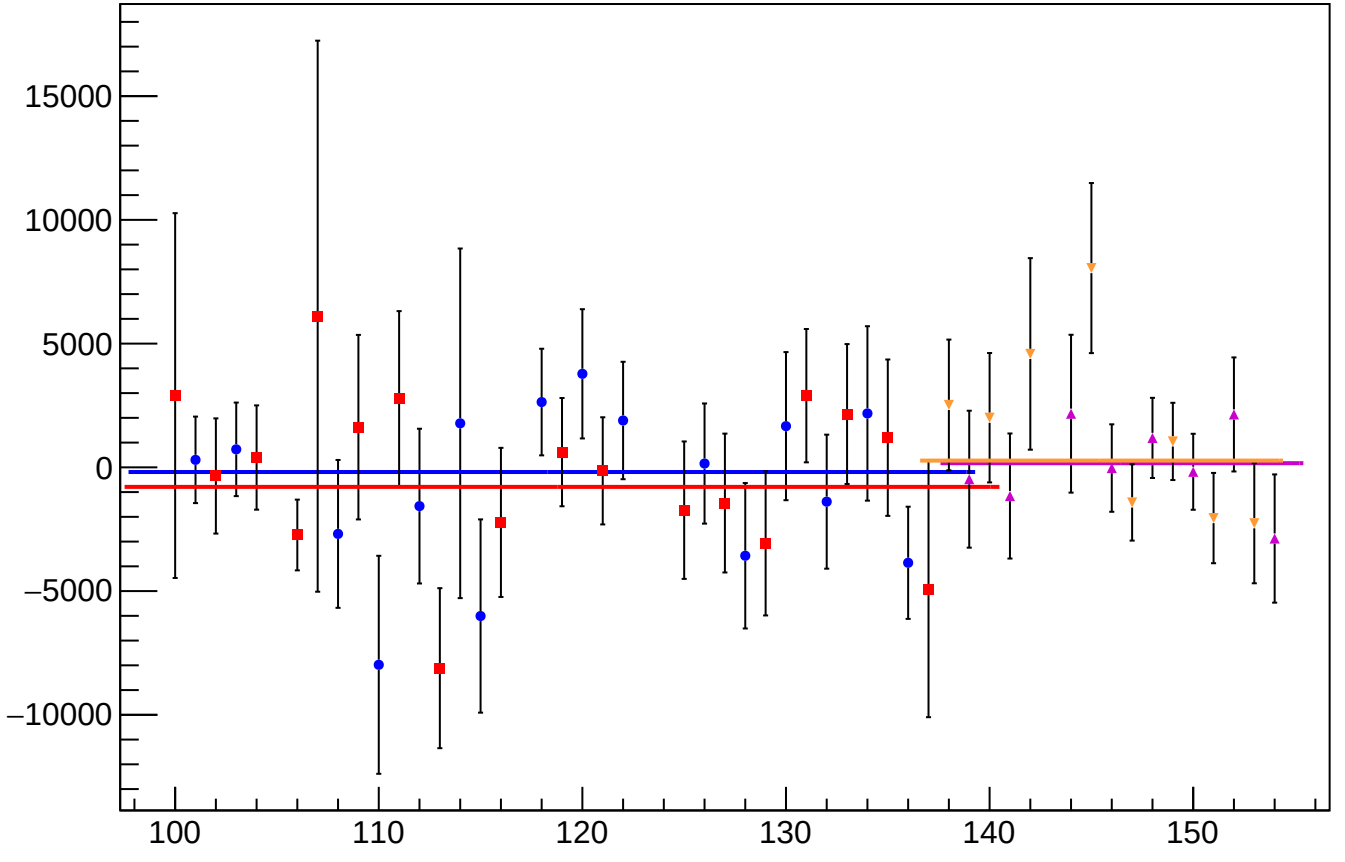
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2246.056+/-0.425 χ^2/NDF:534961.4/23

Out: 2259.356+/-0.437 χ^2/NDF:178090.9/25

All: 2252.510+/-0.305 χ^2/NDF: 713528.7/49

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: 168.649+/-735.440 χ^2/NDF:3.3/7

Left: 219.388+/-527.636 χ^2/NDF: 15.0/15

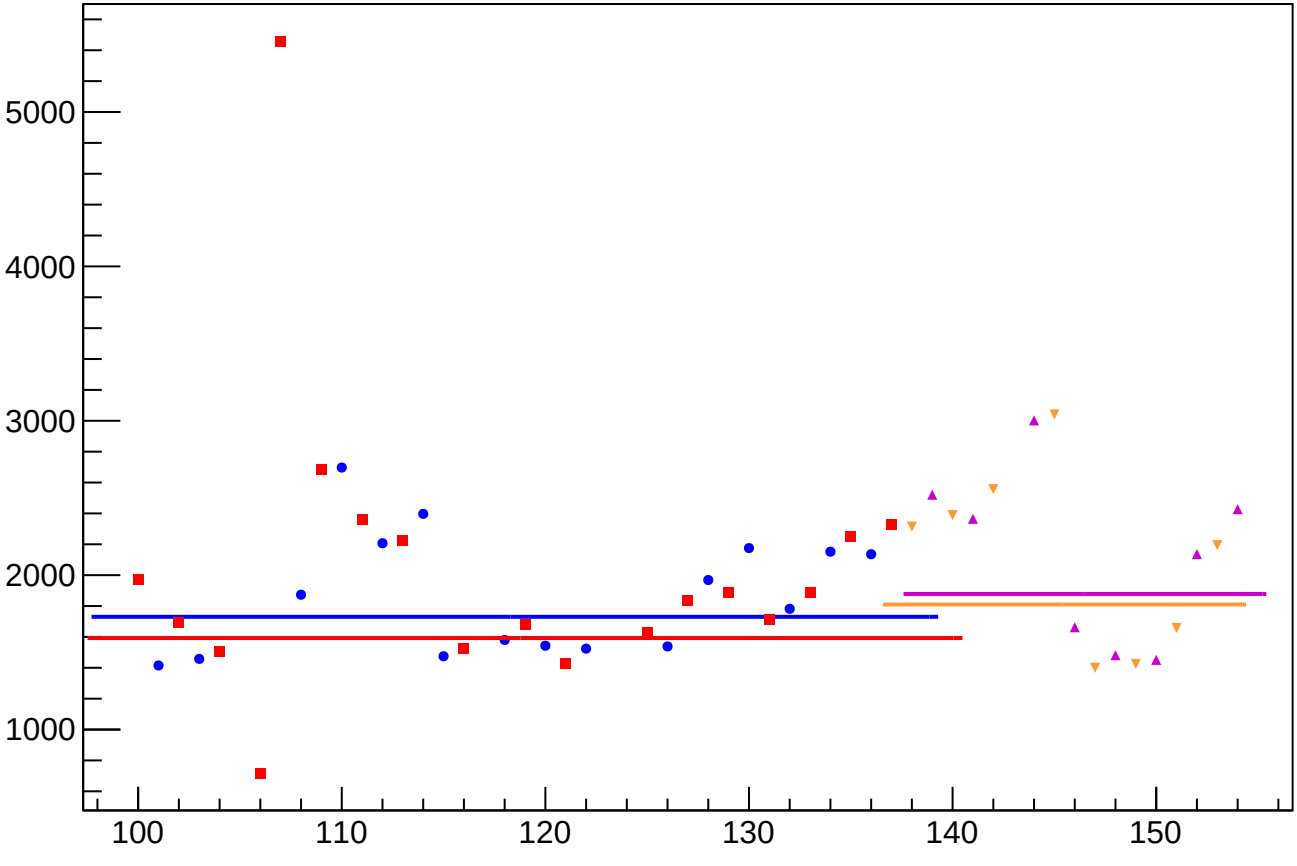
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -29.712+/-490.515 χ^2/NDF:19.9/23

Out: -350.840+/-486.569 χ^2/NDF:27.8/25

All: -191.573+/-345.443 χ^2/NDF: 47.8/49

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: 1878.295+/-0.520 χ^2/NDF:849936.4/7

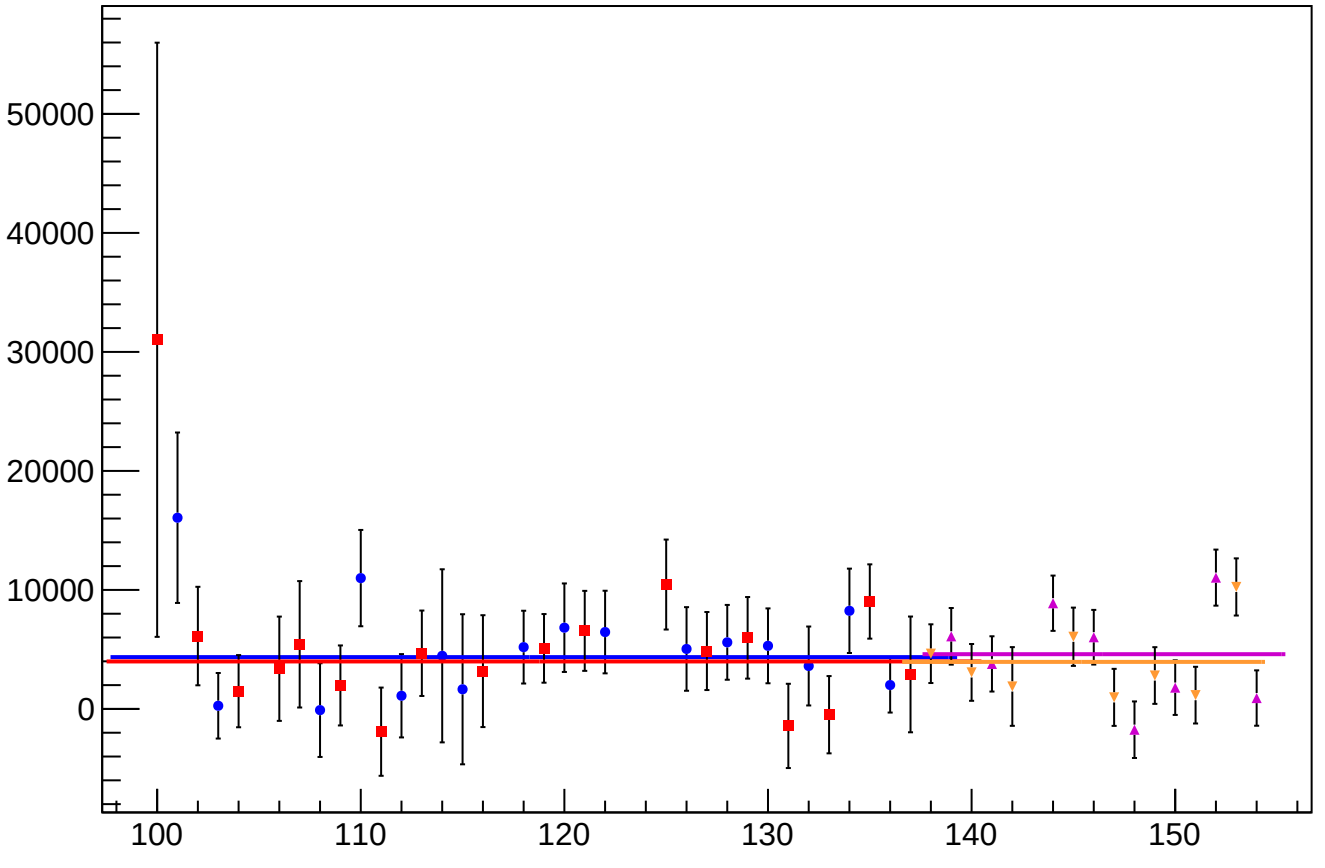
Left: 1845.117+/-0.373 χ^2/NDF: 1687545.5/15

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1796.128+/-0.347 χ^2/NDF:1373837.8/23

Out: 1682.417+/-0.344 χ^2/NDF:2481931.9/25

All: 1738.813+/-0.244 χ^2/NDF: 3909944.9/49



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: 4599.789+/-825.072 χ^2/NDF:22.9/7

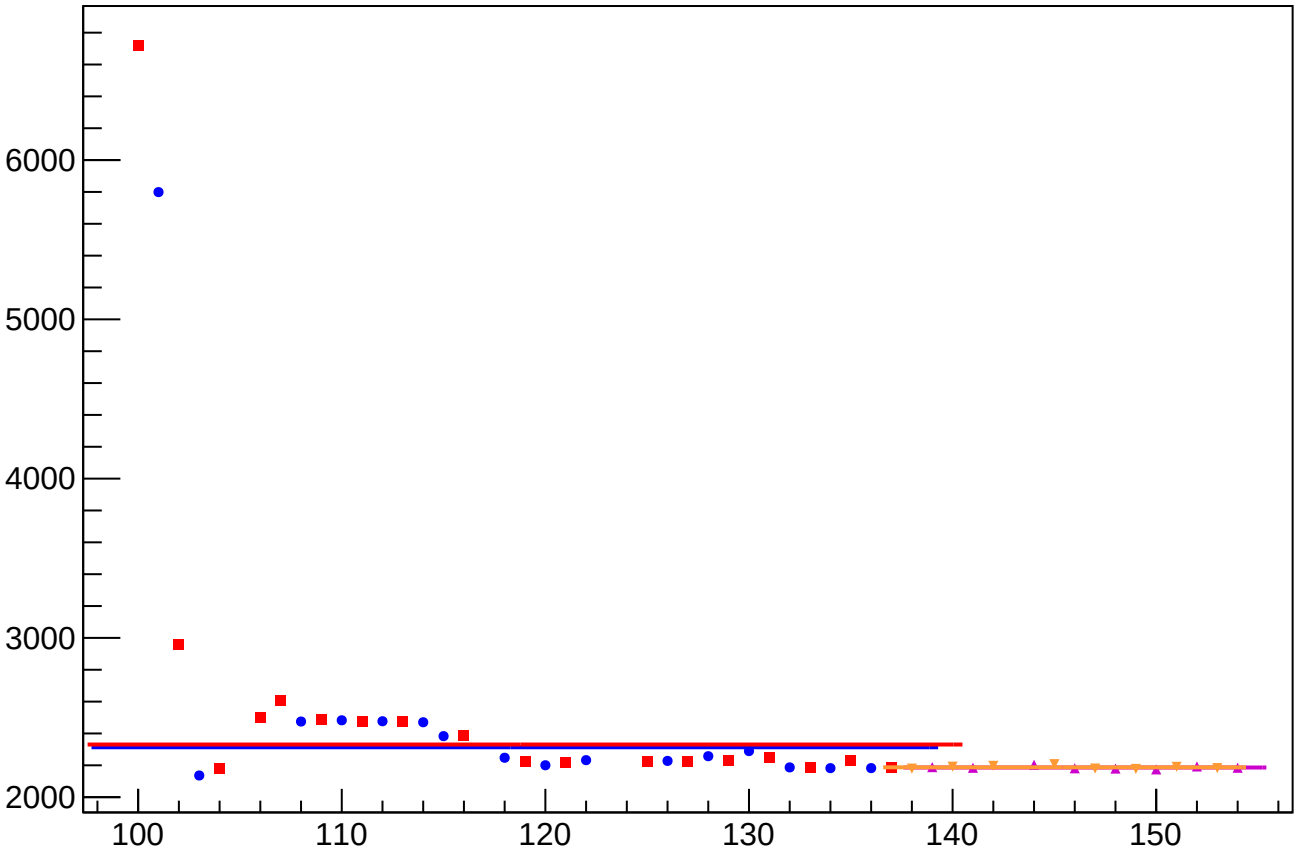
Left: 4296.187+/-601.157 χ^2/NDF: 34.6/15

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4483.973+/-600.339 χ^2/NDF:36.3/23

Out: 3971.387+/-618.406 χ^2/NDF:27.5/25

All: 4235.277+/-430.749 χ^2/NDF: 64.2/49



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: 2186.188+/-0.583 χ^2/NDF:211.8/7

Left: 2186.789+/-0.425 χ^2/NDF: 455.6/15

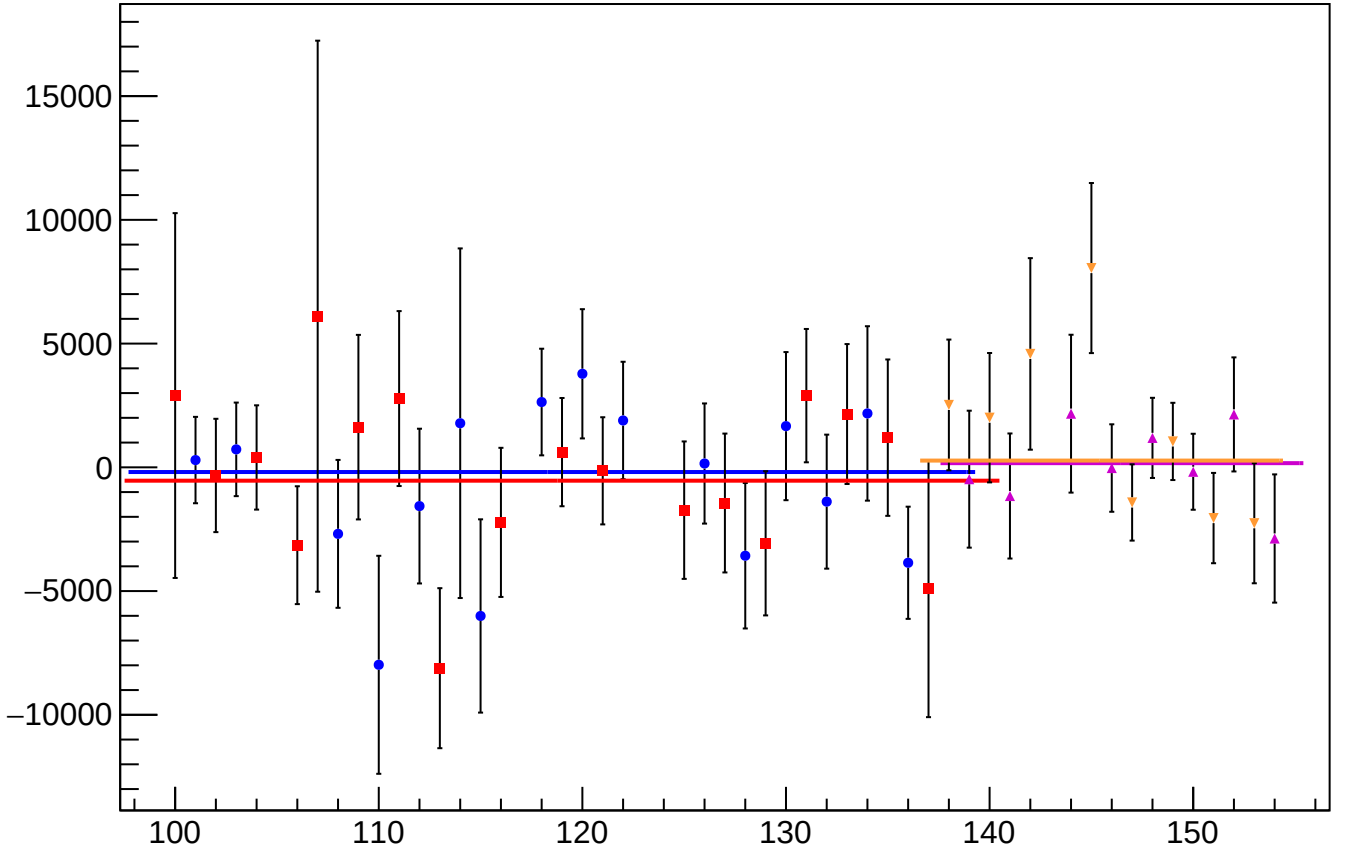
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2246.056+/-0.425 χ^2/NDF:534961.9/23

Out: 2259.530+/-0.437 χ^2/NDF:178570.4/25

All: 2252.593+/-0.305 χ^2/NDF: 714021.1/49

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 272.822+/-757.423 χ^2/NDF:11.7/7

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 168.802+/-735.441 χ^2/NDF:3.3/7

Left: 219.281+/-527.636 χ^2/NDF: 15.0/15

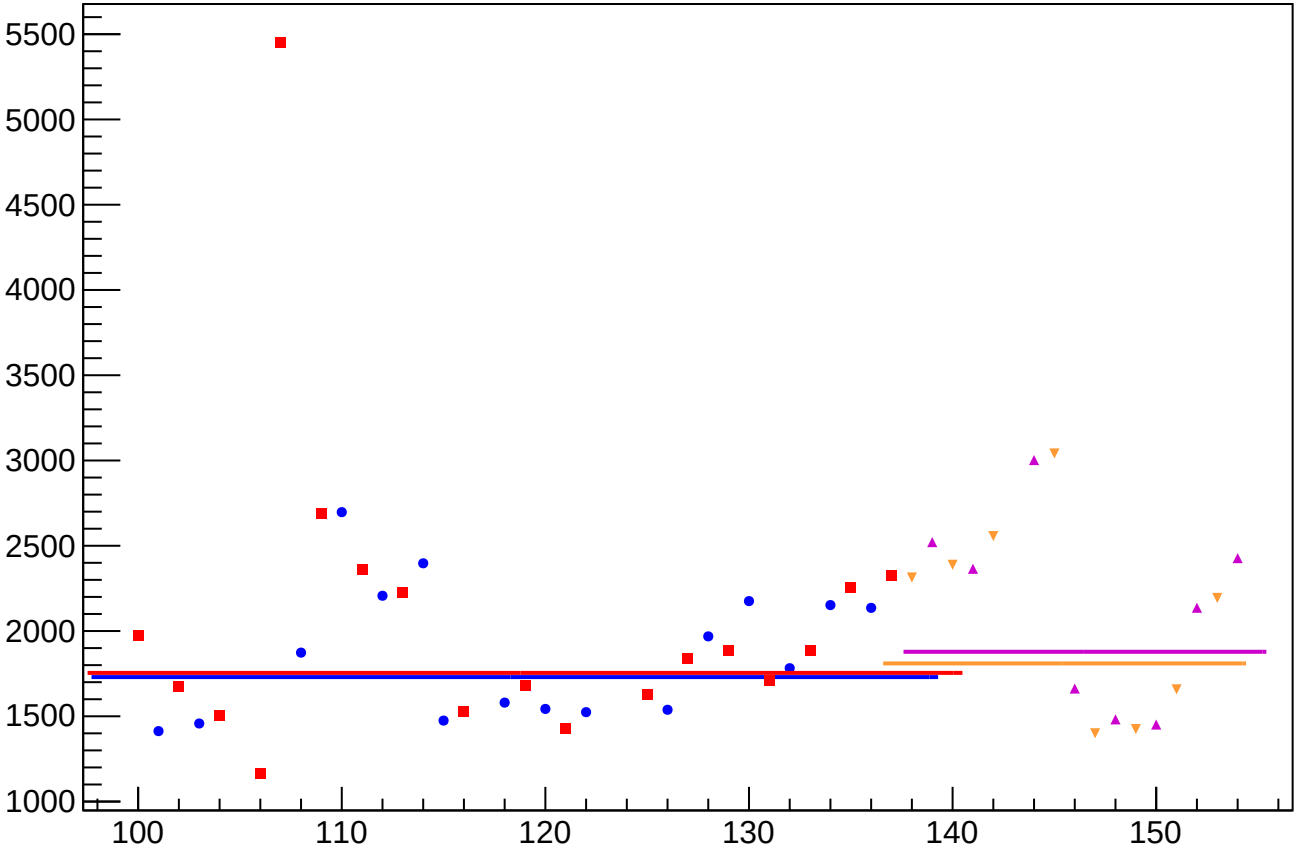
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -30.291+/-490.462 χ^2/NDF:19.9/23

Out: -178.030+/-505.261 χ^2/NDF:26.2/25

All: -101.965+/-351.925 χ^2/NDF: 46.1/49

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: 1878.300+/-0.520 χ^2/NDF:849941.2/7

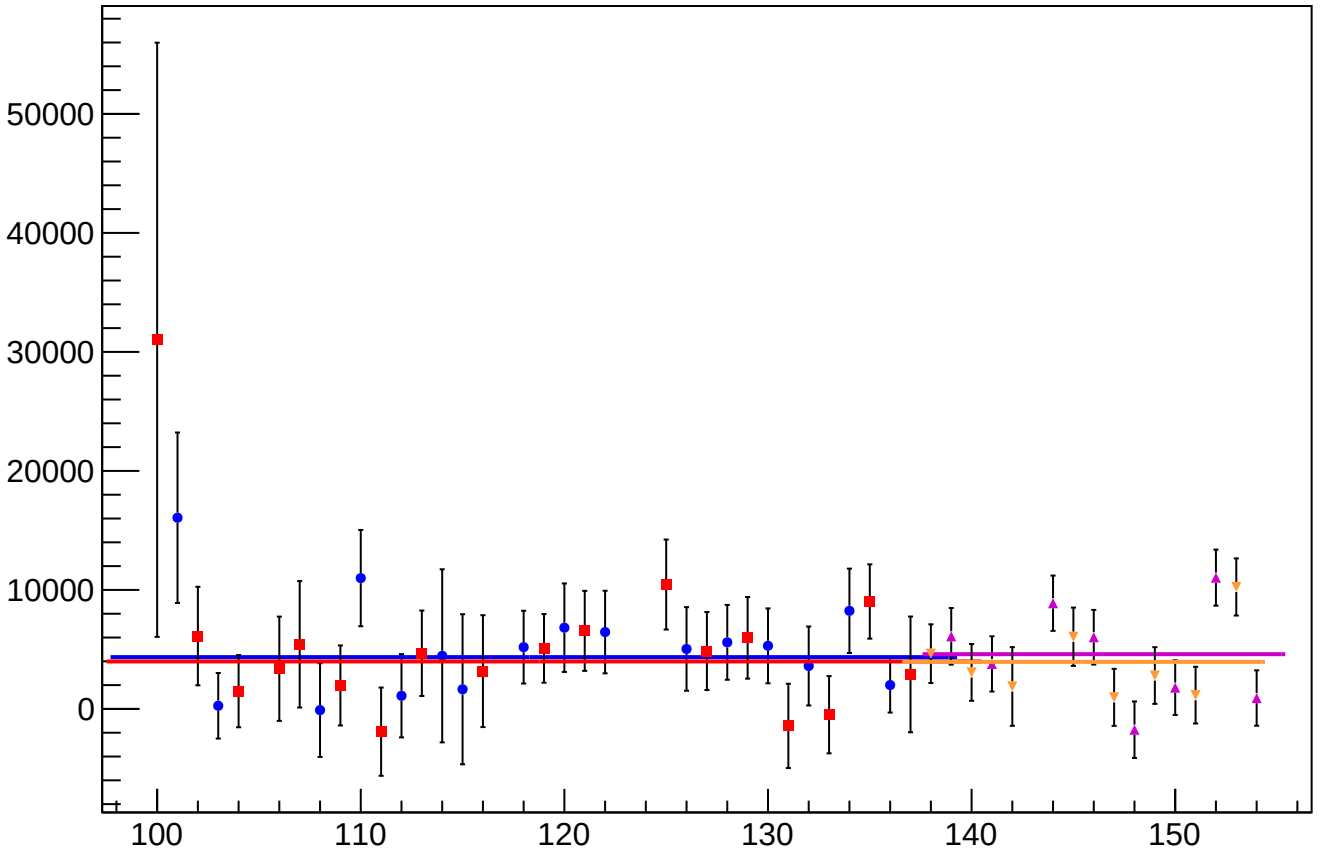
Left: 1845.116+/-0.373 χ^2/NDF: 1687556.2/15

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1795.900+/-0.347 χ^2/NDF:1375056.3/23

Out: 1779.176+/-0.357 χ^2/NDF:1586171.2/25

All: 1787.786+/-0.249 χ^2/NDF: 2962355.7/49



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: 4599.789+/-825.072 χ^2/NDF:22.9/7

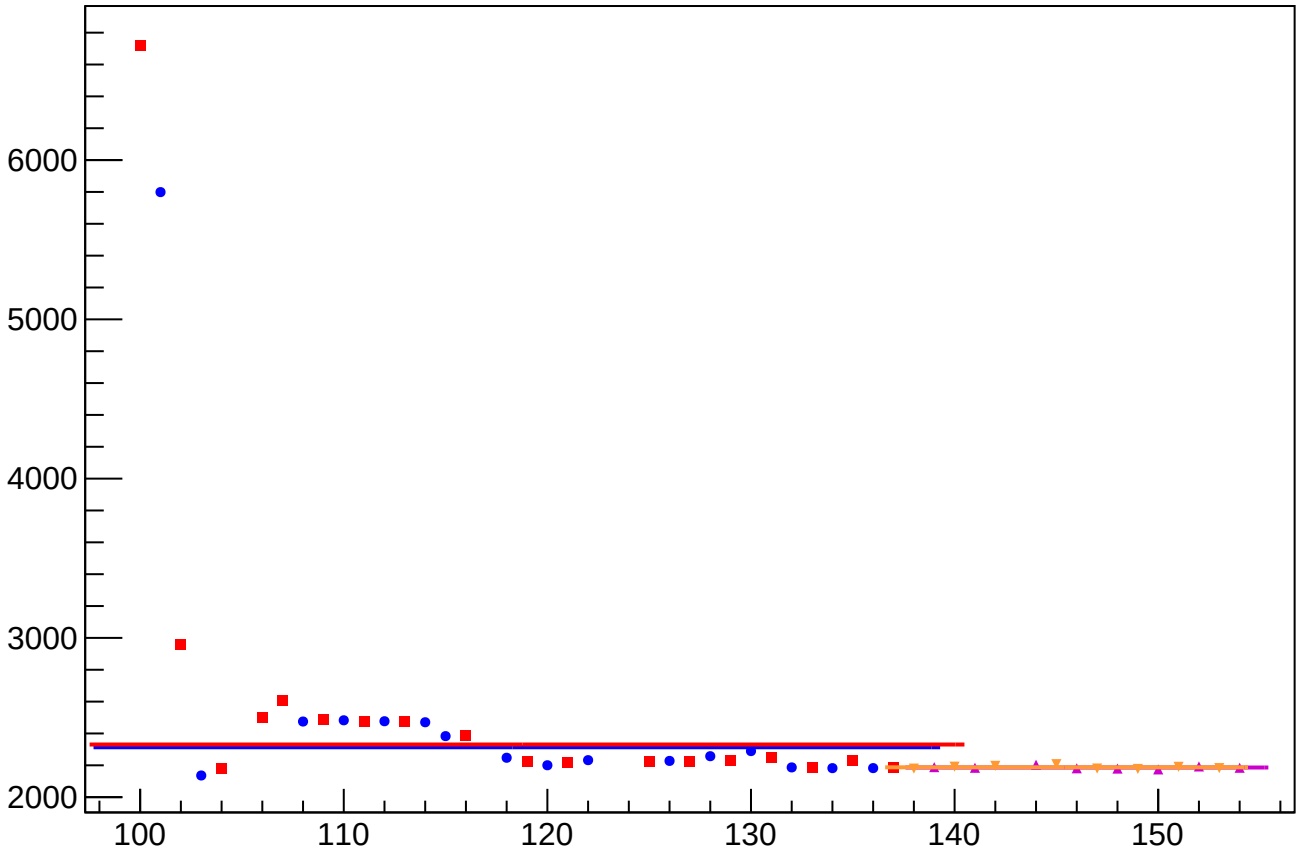
Left: 4296.187+/-601.157 χ^2/NDF: 34.6/15

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4483.973+/-600.339 χ^2/NDF:36.3/23

Out: 3971.387+/-618.406 χ^2/NDF:27.5/25

All: 4235.277+/-430.749 χ^2/NDF: 64.2/49



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: 2186.188+/-0.583 χ^2/NDF:211.8/7

Left: 2186.789+/-0.425 χ^2/NDF: 455.6/15

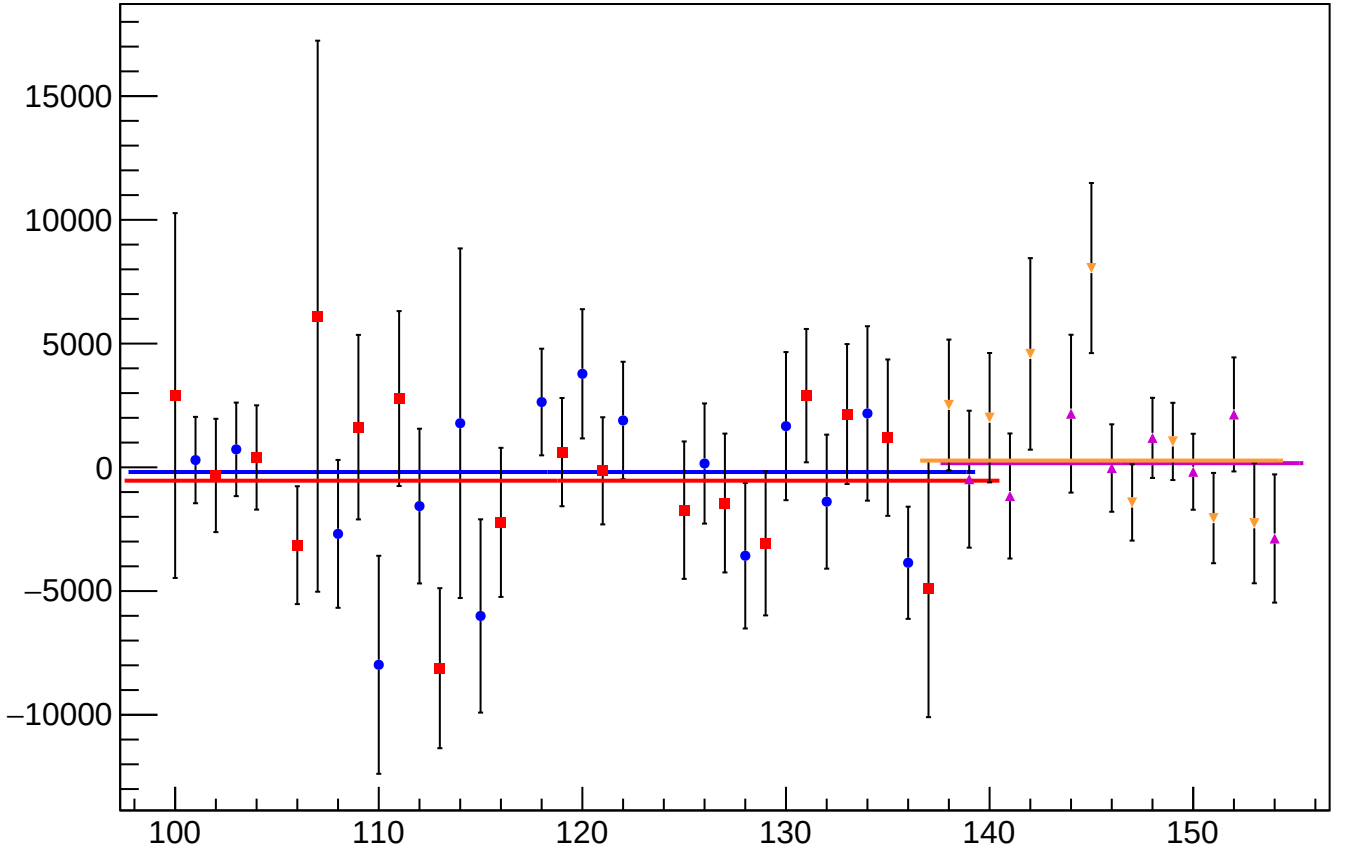
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2246.056+/-0.425 χ^2/NDF:534961.9/23

Out: 2259.530+/-0.437 χ^2/NDF:178570.4/25

All: 2252.593+/-0.305 χ^2/NDF: 714021.1/49

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 272.822+/-757.423 χ^2/NDF:11.7/7

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 168.802+/-735.441 χ^2/NDF:3.3/7

Left: 219.281+/-527.636 χ^2/NDF: 15.0/15

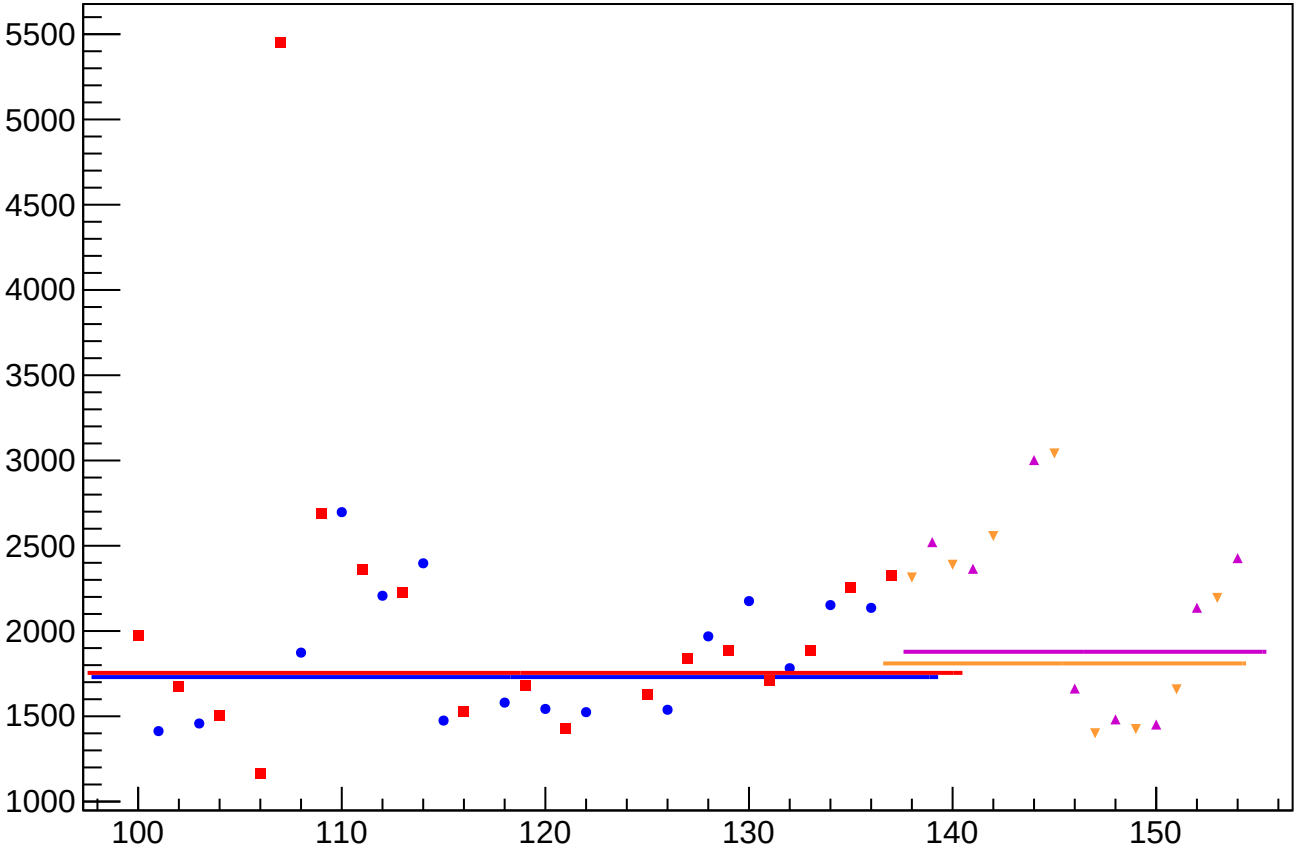
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -30.291+/-490.462 χ^2/NDF:19.9/23

Out: -178.030+/-505.261 χ^2/NDF:26.2/25

All: -101.965+/-351.925 χ^2/NDF: 46.1/49

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: 1878.300+/-0.520 χ^2/NDF:849941.2/7

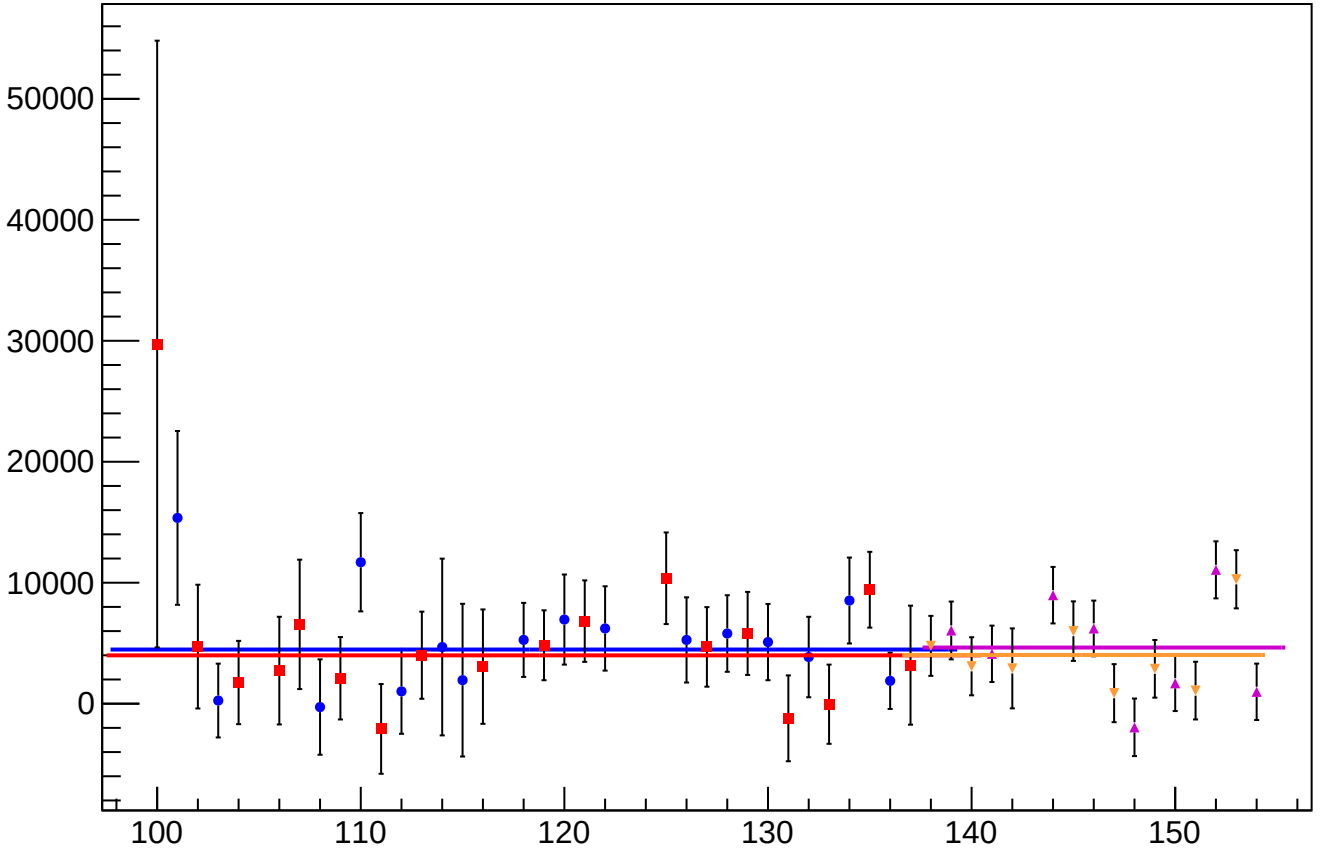
Left: 1845.116+/-0.373 χ^2/NDF: 1687556.2/15

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1795.900+/-0.347 χ^2/NDF:1375056.3/23

Out: 1779.176+/-0.357 χ^2/NDF:1586171.2/25

All: 1787.786+/-0.249 χ^2/NDF: 2962355.7/49



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: 4640.778+/-827.260 χ^2/NDF:23.5/7

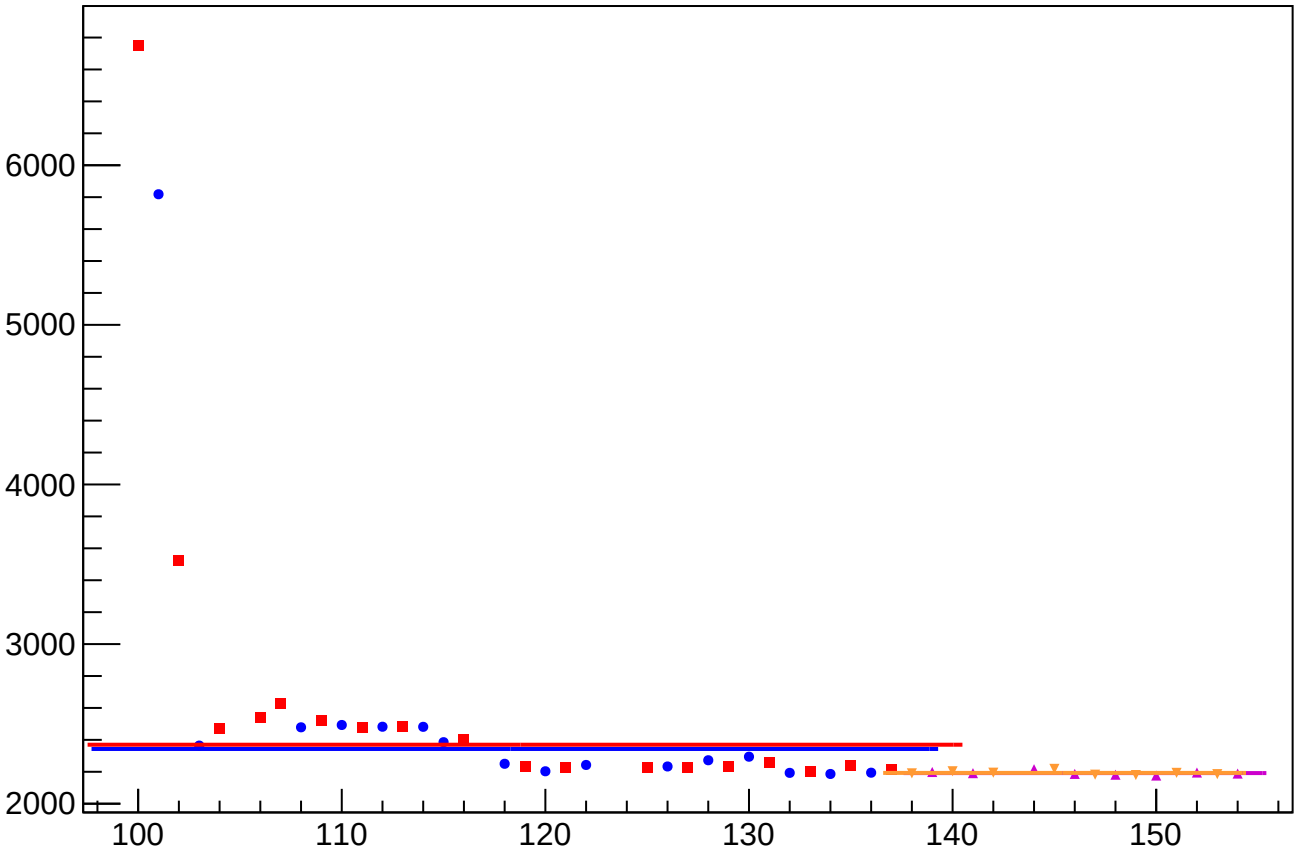
Left: 4352.150+/-602.731 χ^2/NDF: 35.0/15

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4564.241+/-604.689 χ^2/NDF:37.1/23

Out: 4010.868+/-625.898 χ^2/NDF:26.7/25

All: 4297.089+/-434.884 χ^2/NDF: 64.2/49



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: 2191.875+/-0.585 χ^2/NDF:377.5/7

Left: 2192.385+/-0.426 χ^2/NDF: 757.2/15

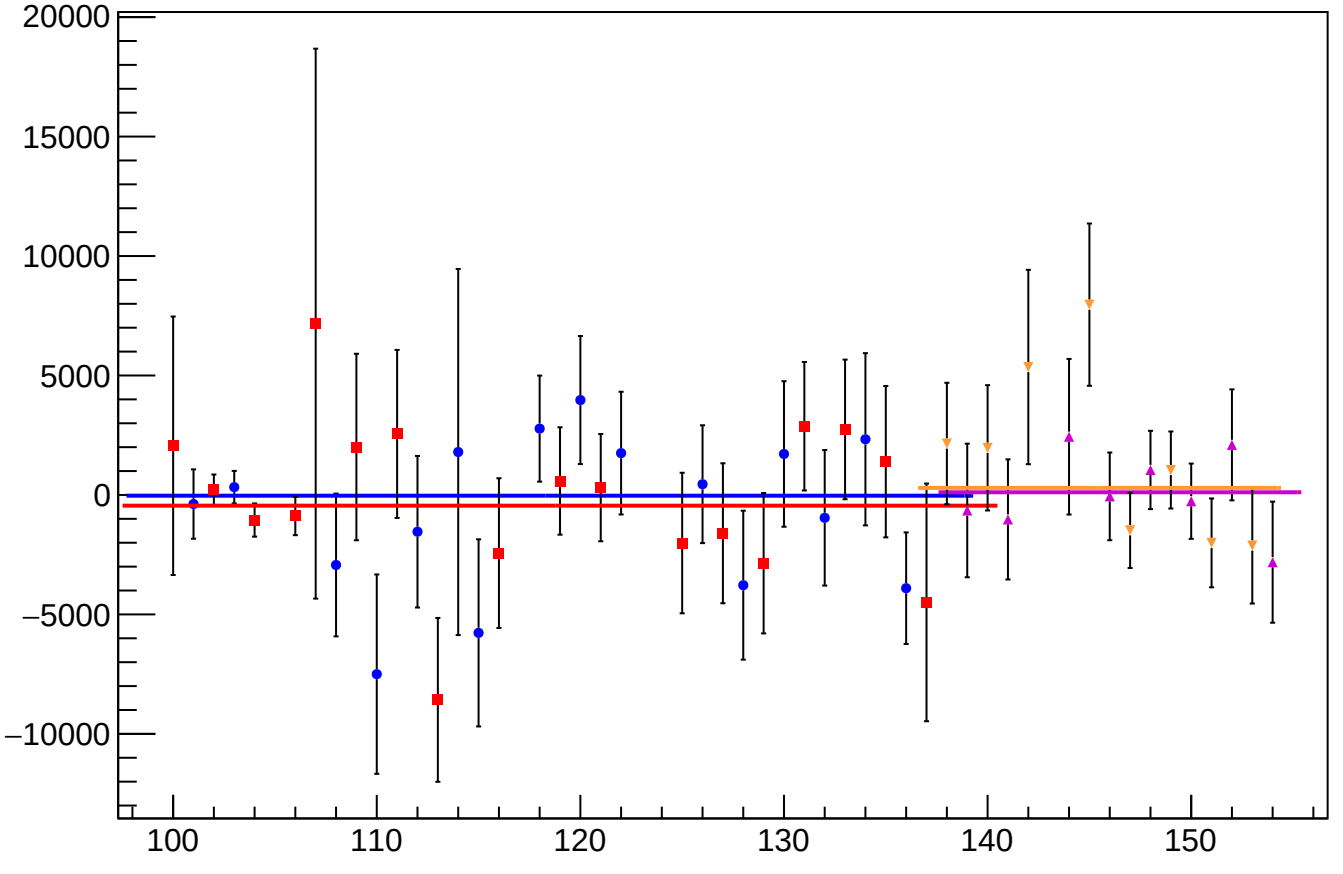
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2262.215+/-0.428 χ^2/NDF:534292.1/23

Out: 2280.222+/-0.443 χ^2/NDF:250330.1/25

All: 2270.908+/-0.308 χ^2/NDF: 785478.4/49

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: 112.317+/-746.701 χ^2/NDF:3.2/7

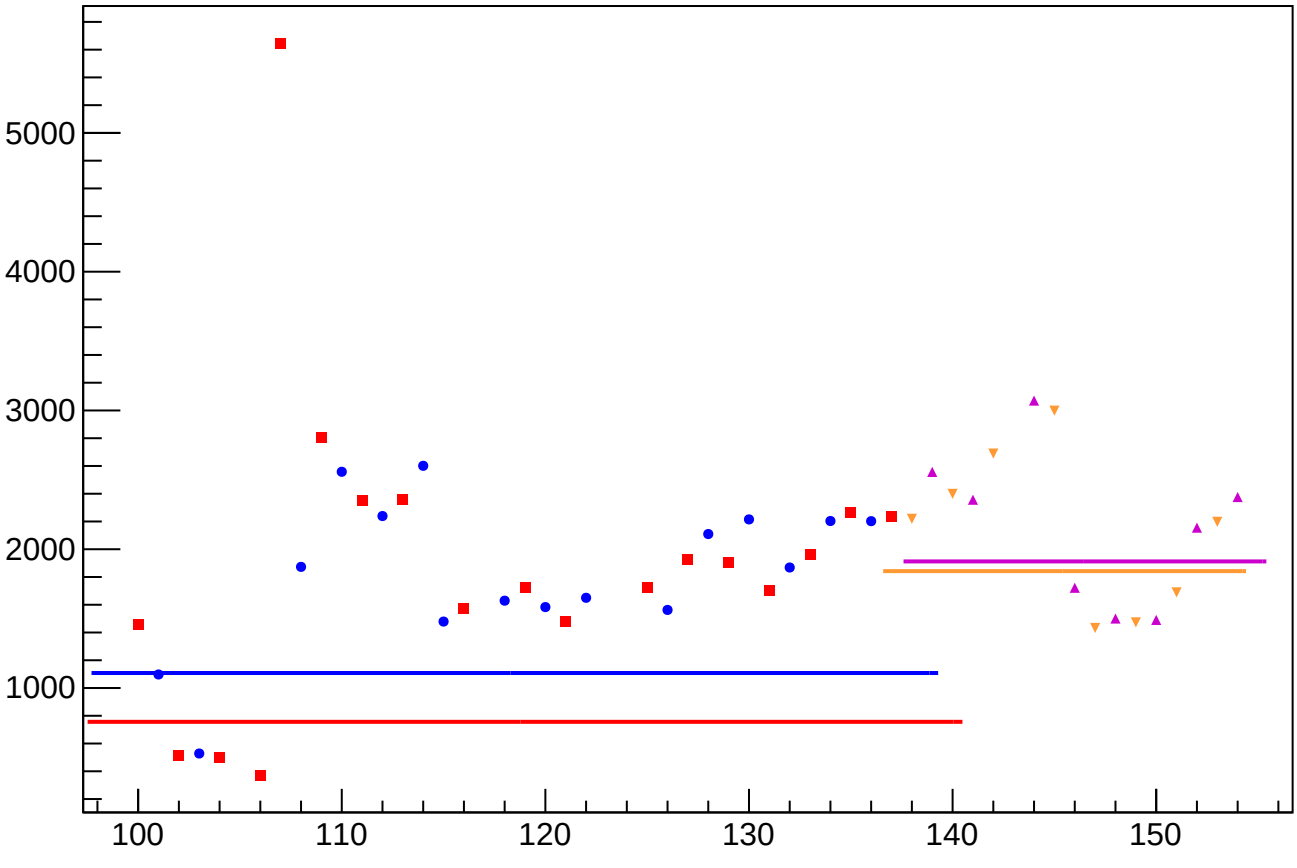
Left: 201.130+/-535.554 χ^2/NDF: 14.9/15

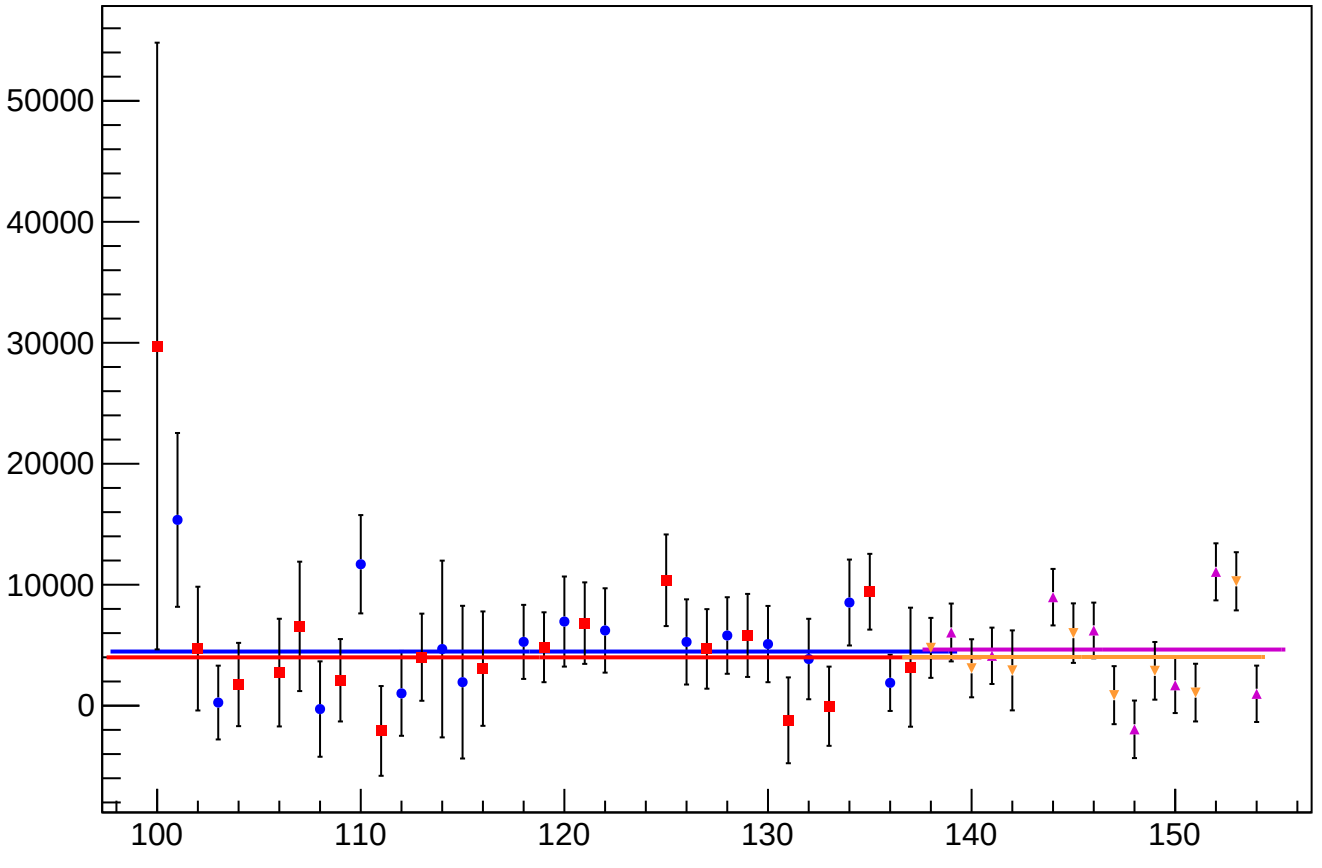
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 11.287+/-406.927 χ^2/NDF:19.6/23

Out: -312.916+/-327.912 χ^2/NDF:27.5/25

All: -185.277+/-255.329 χ^2/NDF: 47.4/49


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1108.139+/-0.343 χ²/NDF: 3746477.0/15
Left Out: 1842.298+/-0.543 χ²/NDF:748829.0/7
Right Out: 756.419+/-0.256 χ²/NDF: 5603215.5/17
Left In: 1912.258+/-0.528 χ²/NDF:802003.0/7
Left: 1878.286+/-0.379 χ²/NDF: 1559357.2/15
Right: 882.403+/-0.205 χ²/NDF: 10023844.2/33
In: 1346.954+/-0.288 χ²/NDF:6179047.5/23
Out: 954.096+/-0.232 χ²/NDF:9617797.5/25
All: 1108.765+/-0.181 χ²/NDF: 16927039.3/4



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: 4640.779+/-827.260 χ^2/NDF:23.5/7

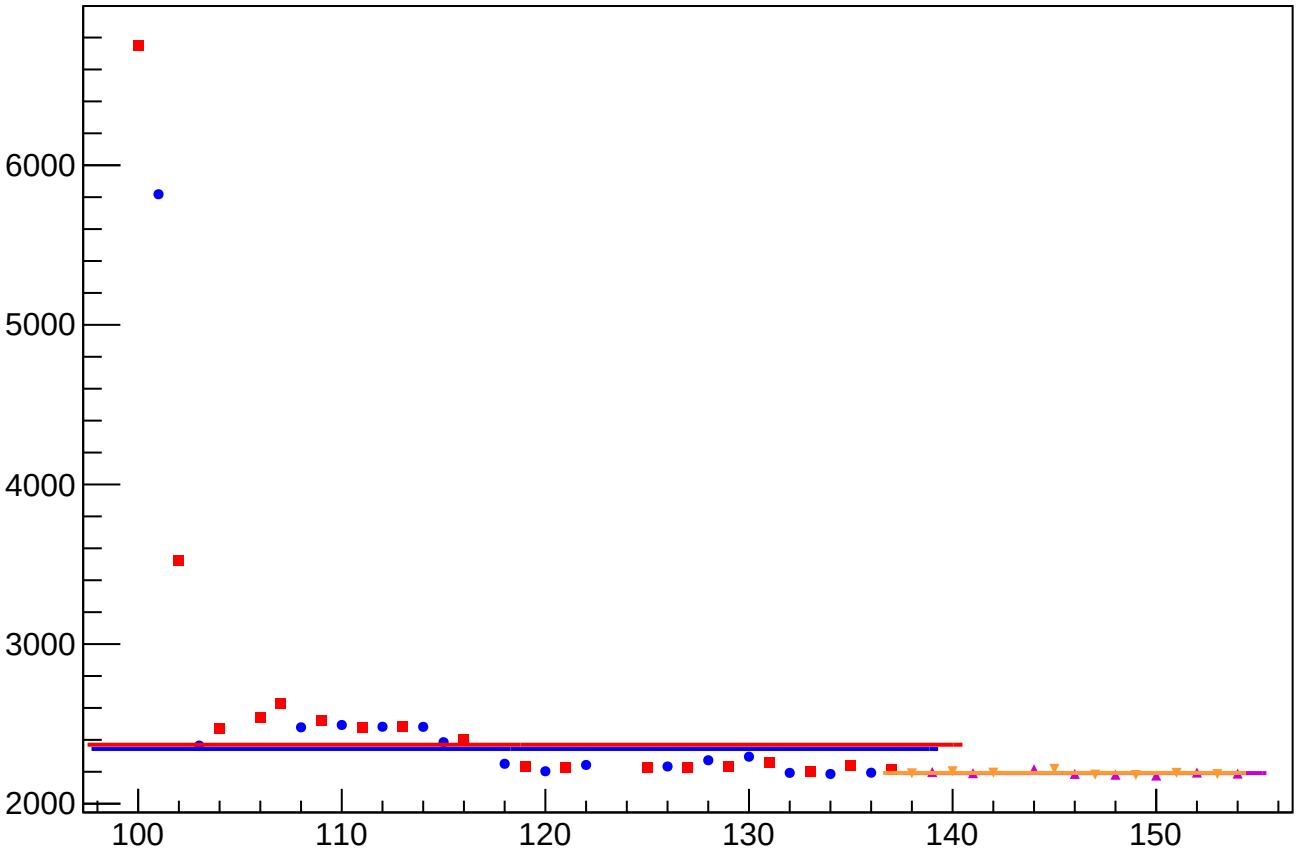
Left: 4352.151+/-602.731 χ^2/NDF: 35.0/15

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4564.239+/-604.689 χ^2/NDF:37.1/23

Out: 4010.867+/-625.898 χ^2/NDF:26.7/25

All: 4297.087+/-434.884 χ^2/NDF: 64.2/49



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: 2191.875+/-0.585 χ^2/NDF:377.5/7

Left: 2192.385+/-0.426 χ^2/NDF: 757.2/15

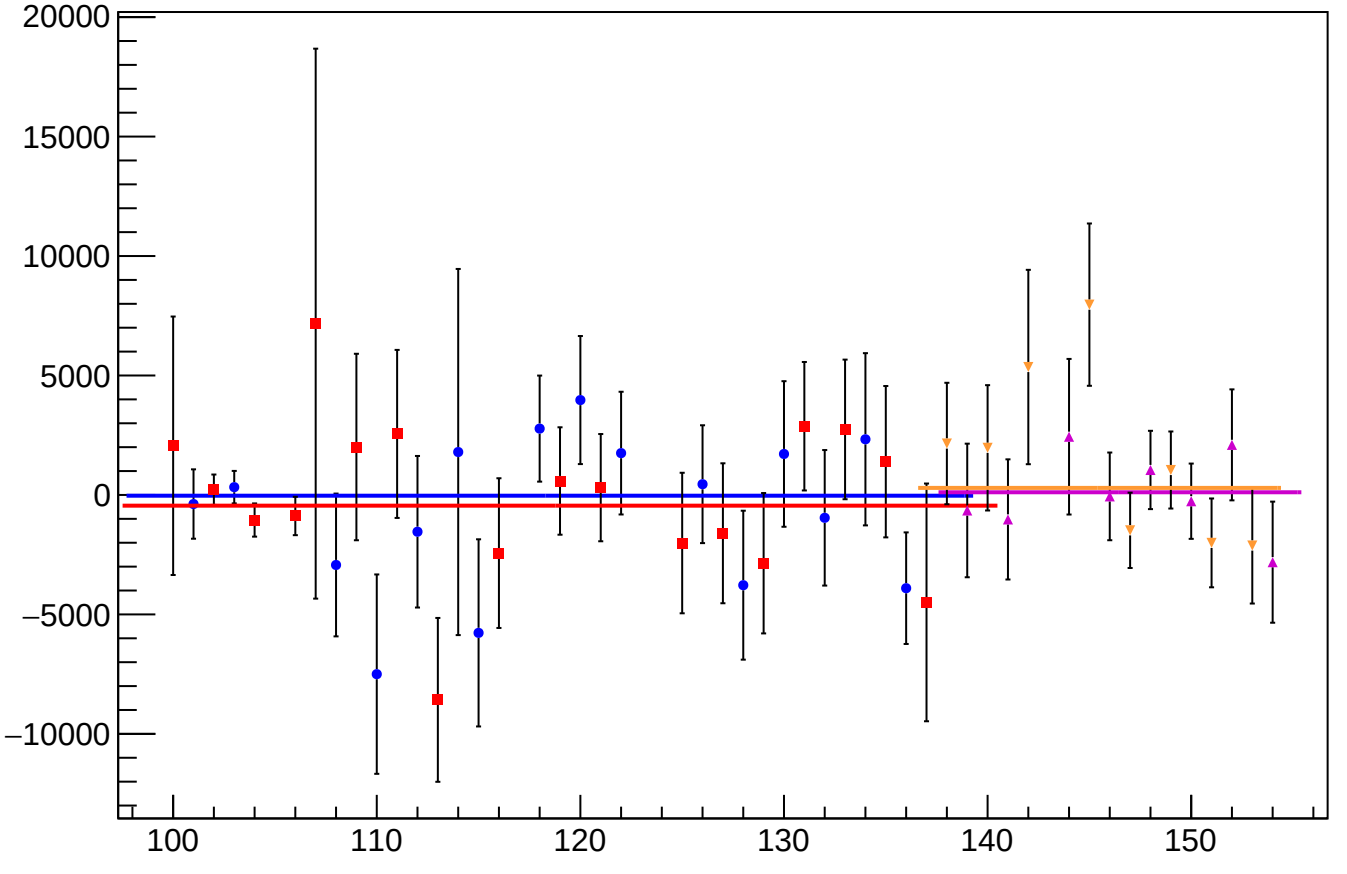
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2262.214+/-0.428 χ^2/NDF:534291.9/23

Out: 2280.222+/-0.443 χ^2/NDF:250328.8/25

All: 2270.908+/-0.308 χ^2/NDF: 785476.9/49

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: 112.318+/-746.702 χ^2/NDF:3.2/7

Left: 201.129+/-535.555 χ^2/NDF: 14.9/15

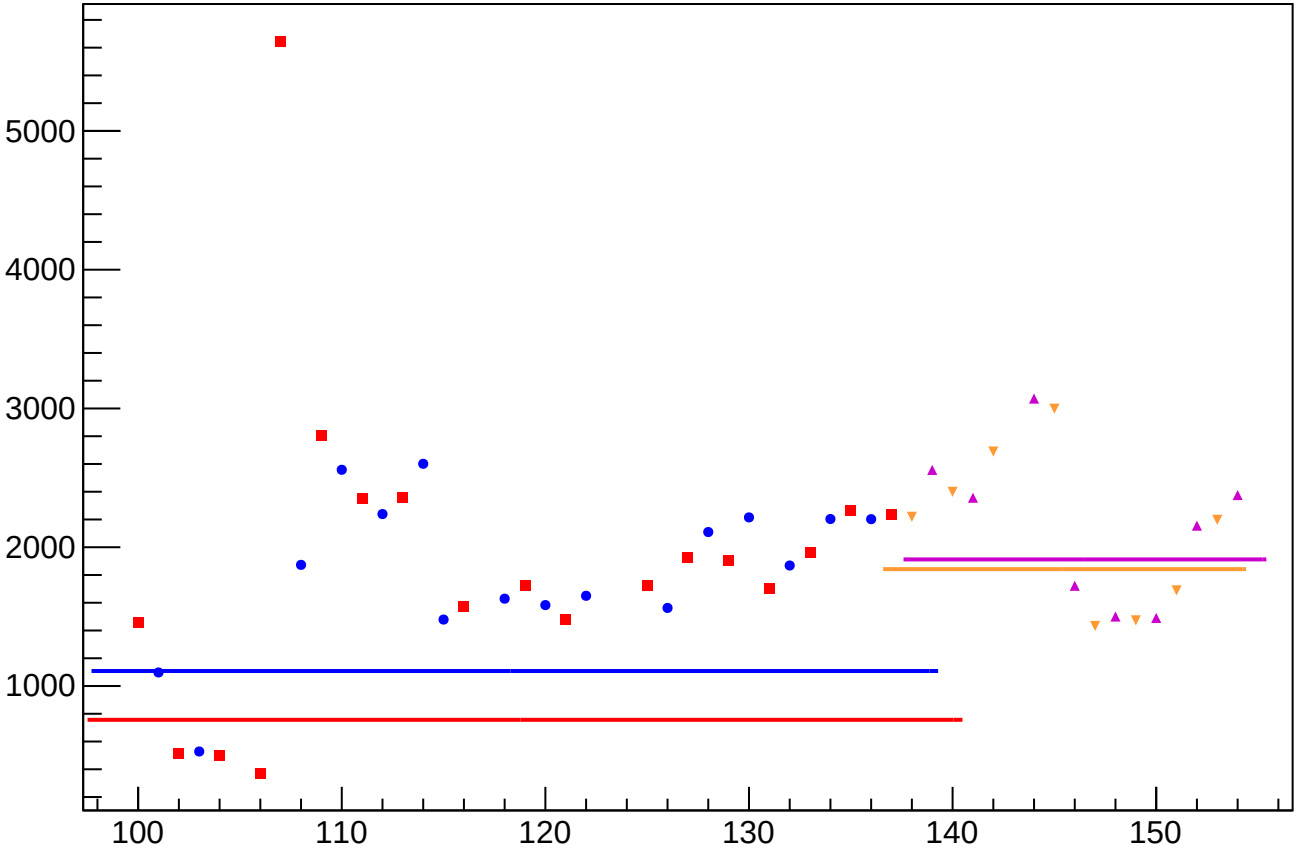
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 11.283+/-406.929 χ^2/NDF:19.6/23

Out: -312.917+/-327.916 χ^2/NDF:27.5/25

All: -185.278+/-255.331 χ^2/NDF: 47.4/49

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: 1912.261+/-0.528 χ^2/NDF:802002.3/7

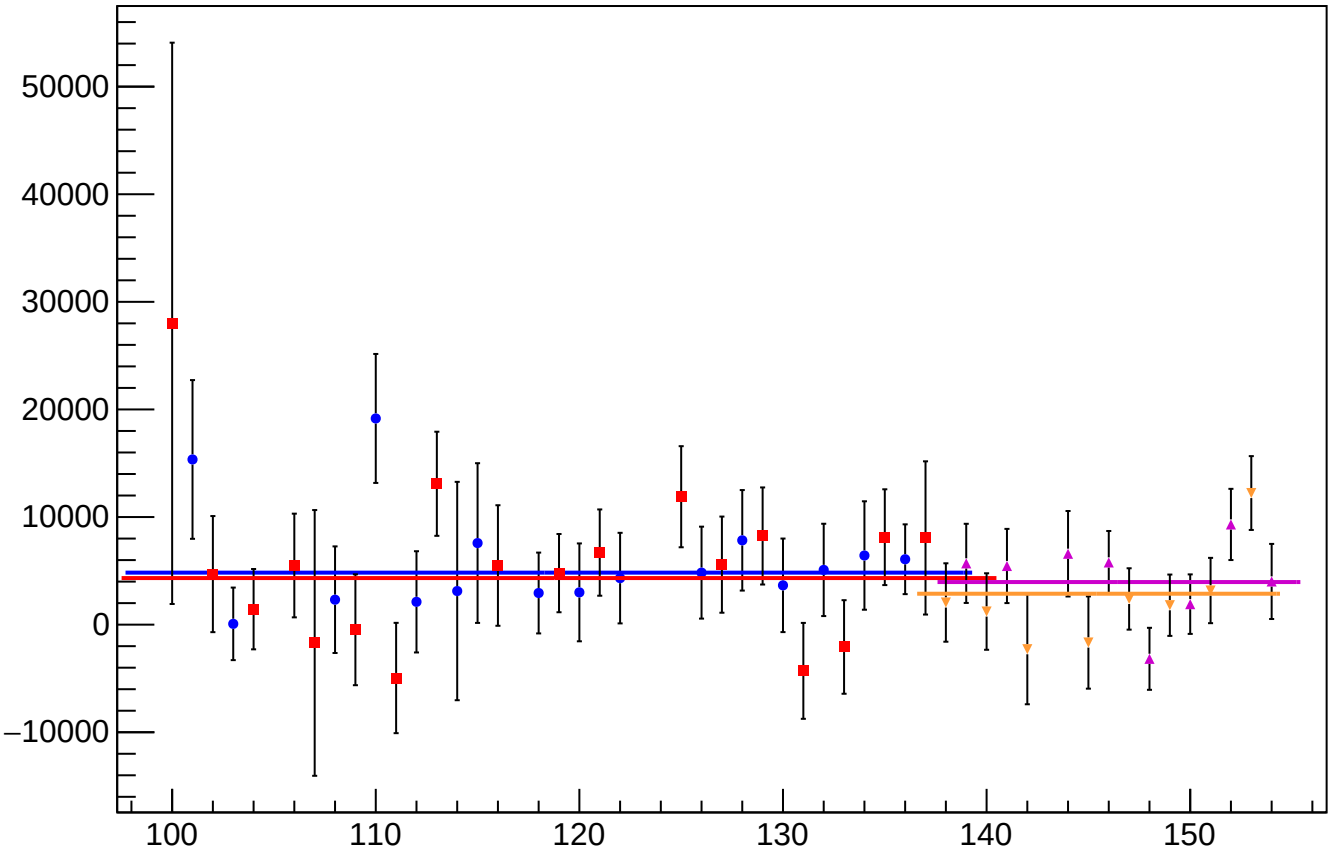
Left: 1878.290+/-0.379 χ^2/NDF: 1559356.6/15

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1346.963+/-0.288 χ^2/NDF:6178936.5/23

Out: 954.112+/-0.232 χ^2/NDF:9617582.8/25

All: 1108.779+/-0.181 χ^2/NDF: 16926655.0/4



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: 3958.817+/-1144.679 χ^2/NDF:10.5/7

Left: 3444.901+/-830.506 χ^2/NDF: 21.0/15

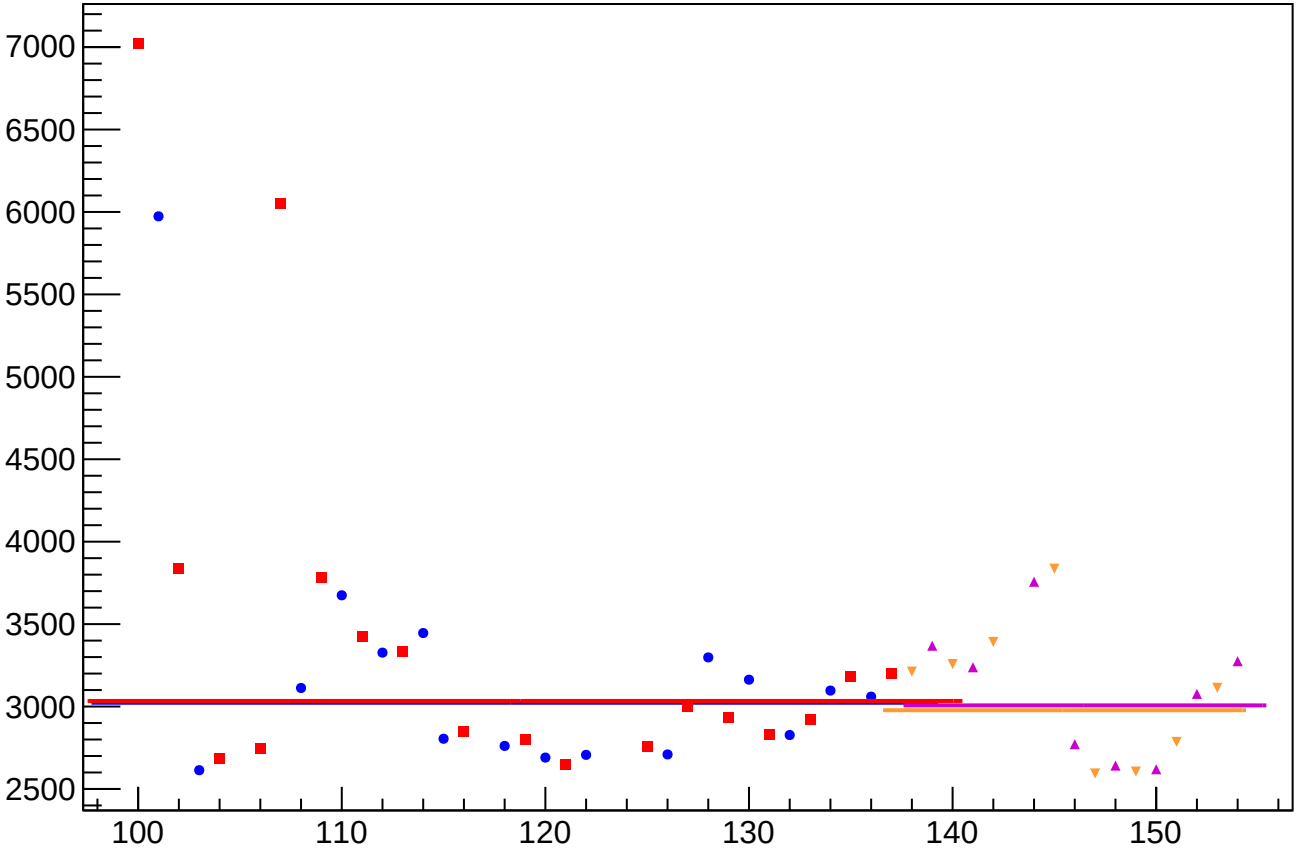
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4397.132+/-808.651 χ^2/NDF:22.5/23

Out: 3639.643+/-830.454 χ^2/NDF:30.7/25

All: 4028.461+/-579.357 χ^2/NDF: 53.6/49

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: 3006.964+/-0.809 χ^2/NDF:196726.0/7

Left: 2993.059+/-0.587 χ^2/NDF: 392720.7/15

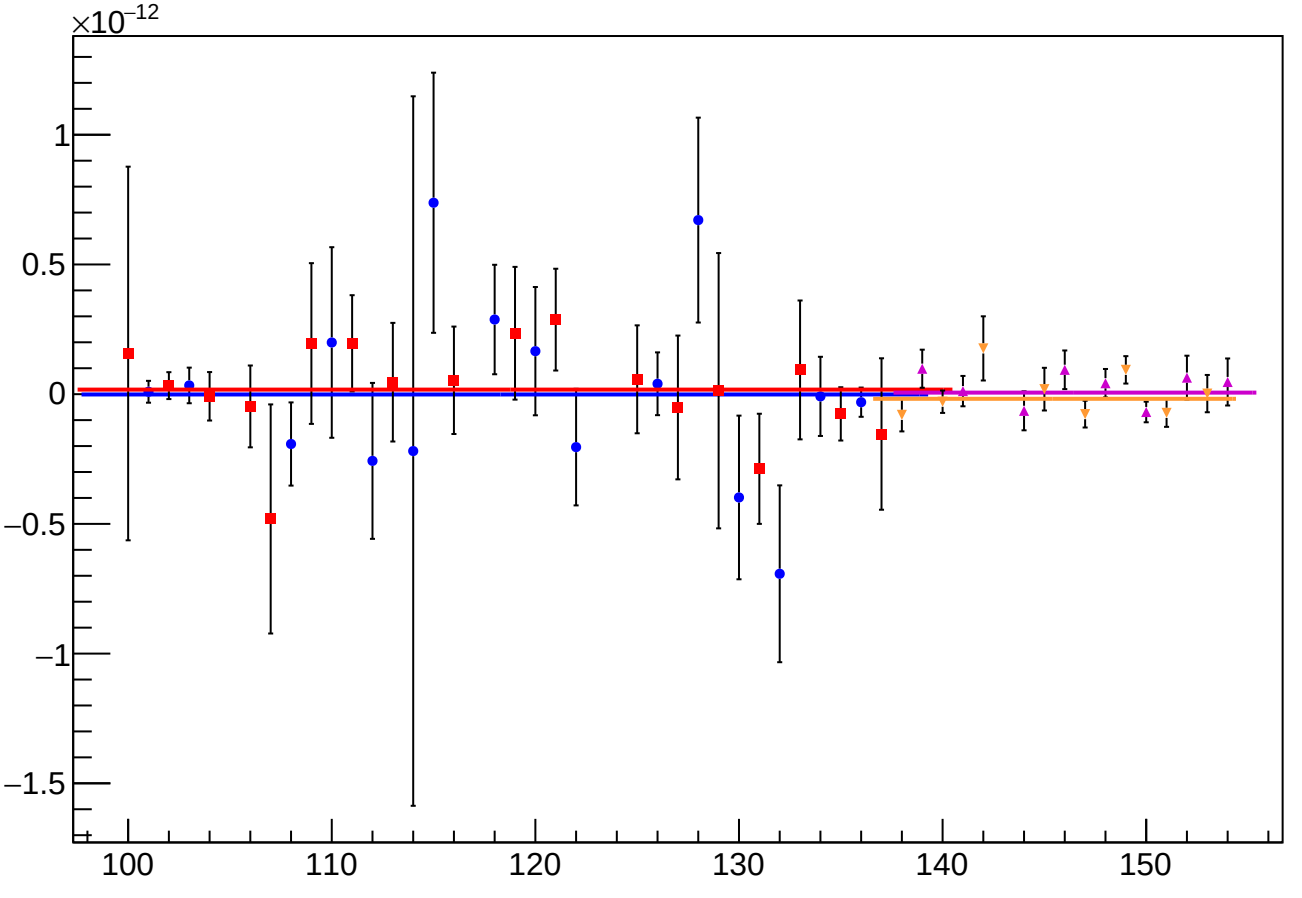
Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3015.031+/-0.572 χ^2/NDF:640630.1/23

Out: 3007.225+/-0.587 χ^2/NDF:540335.0/25

All: 3011.232+/-0.410 χ^2/NDF: 1181055.9/49

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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:8.5/7

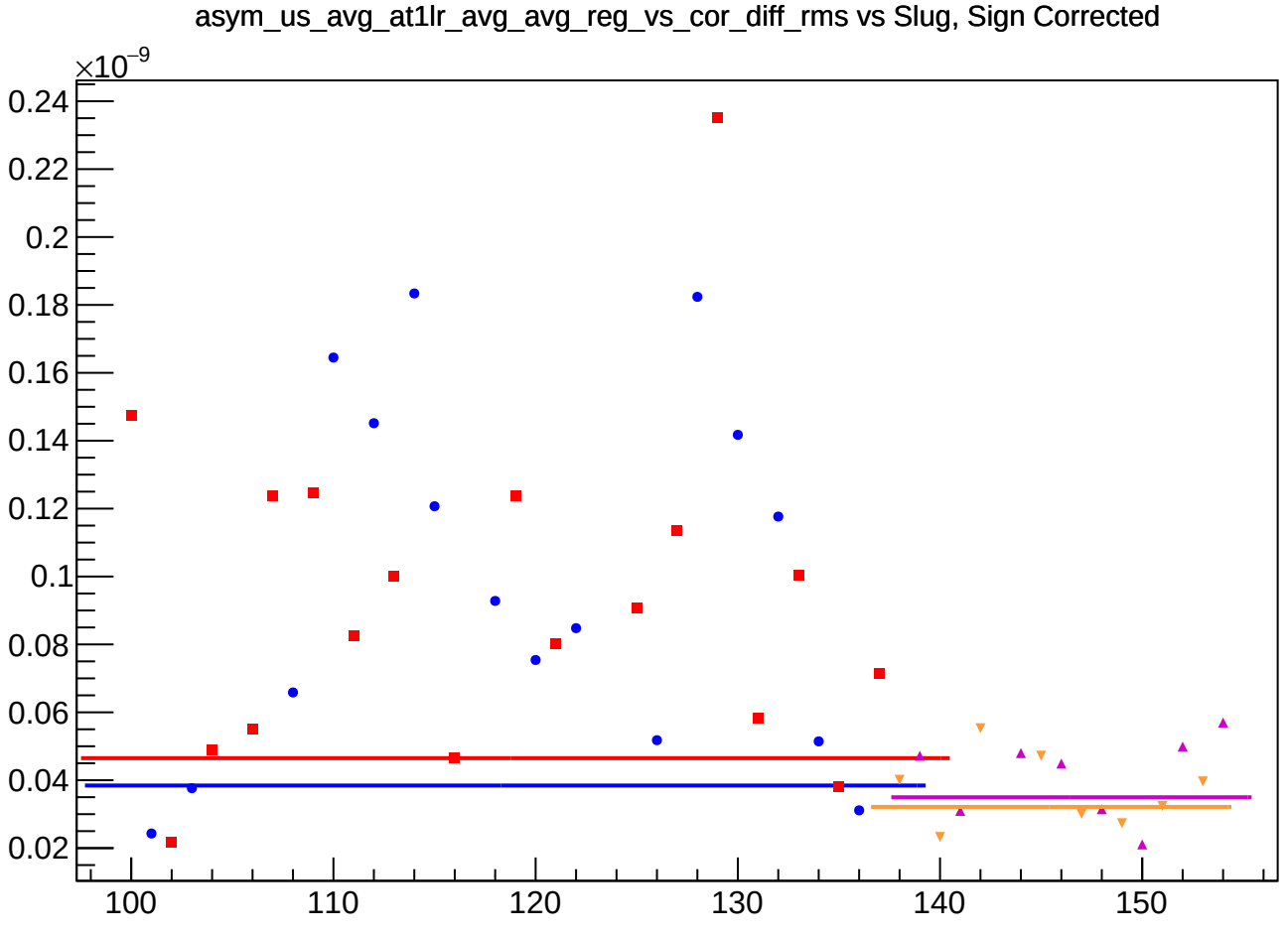
Left: -0.000+/-0.000 χ^2/NDF: 19.7/15

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

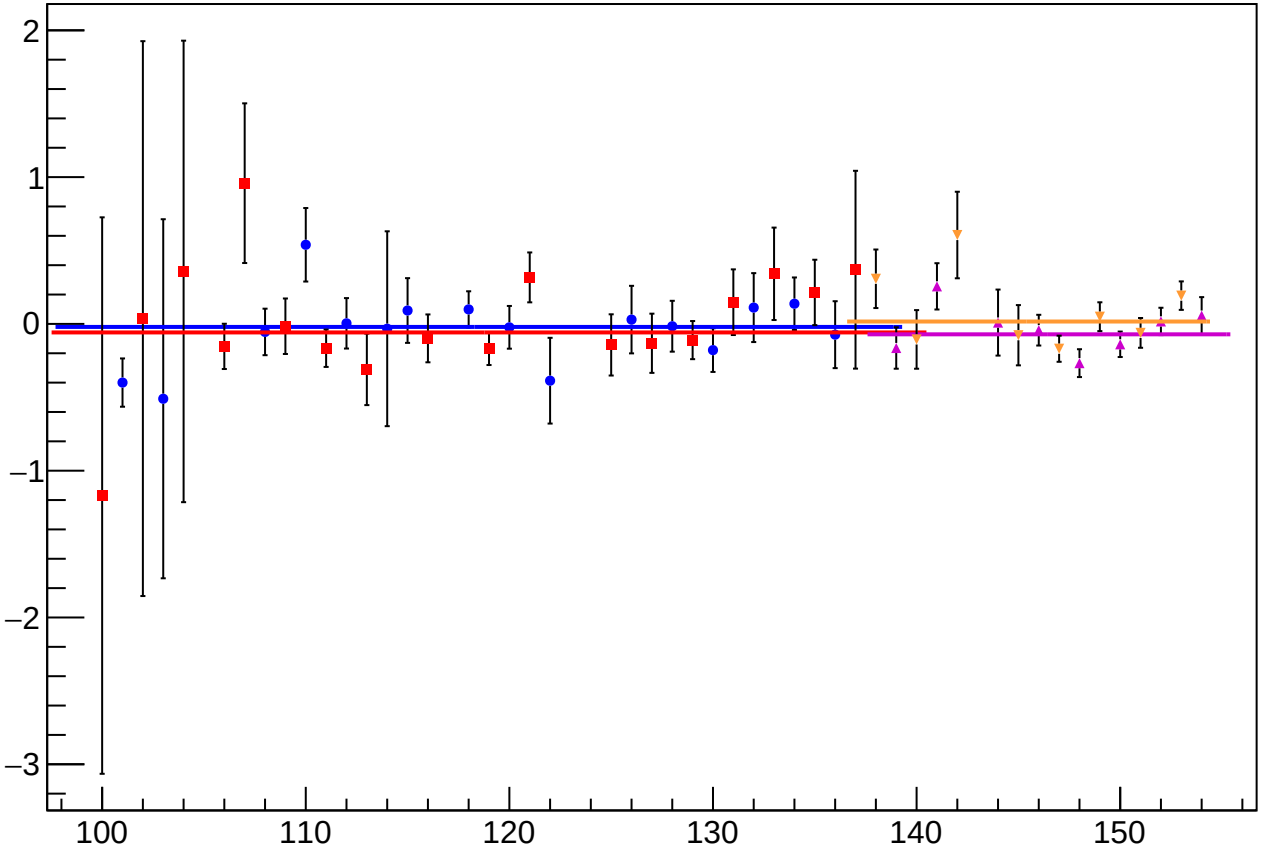
In: 0.000+/-0.000 χ^2/NDF:25.6/23

Out: -0.000+/-0.000 χ^2/NDF:20.3/25

All: -0.000+/-0.000 χ^2/NDF: 46.1/49


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:294647.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:593241.1/7
Left: 0.000+/-0.000 χ²/NDF: 905329.5/15
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:2384241.5/23
Out: 0.000+/-0.000 χ²/NDF:2244447.1/25
All: 0.000+/-0.000 χ²/NDF: 4629047.7/49

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: -0.071+/-0.040 χ^2/NDF:11.7/7

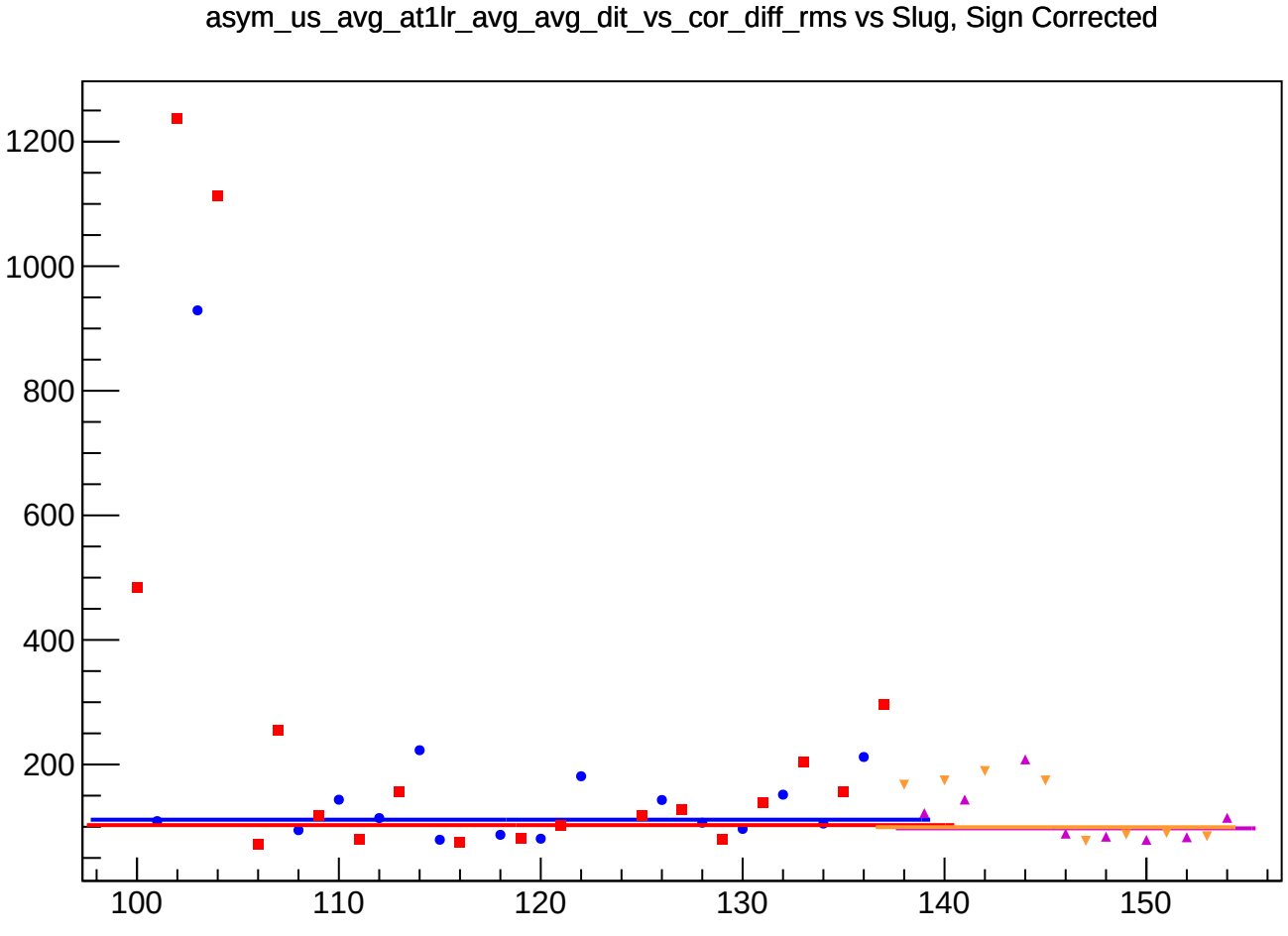
Left: -0.031+/-0.030 χ^2/NDF: 29.0/15

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

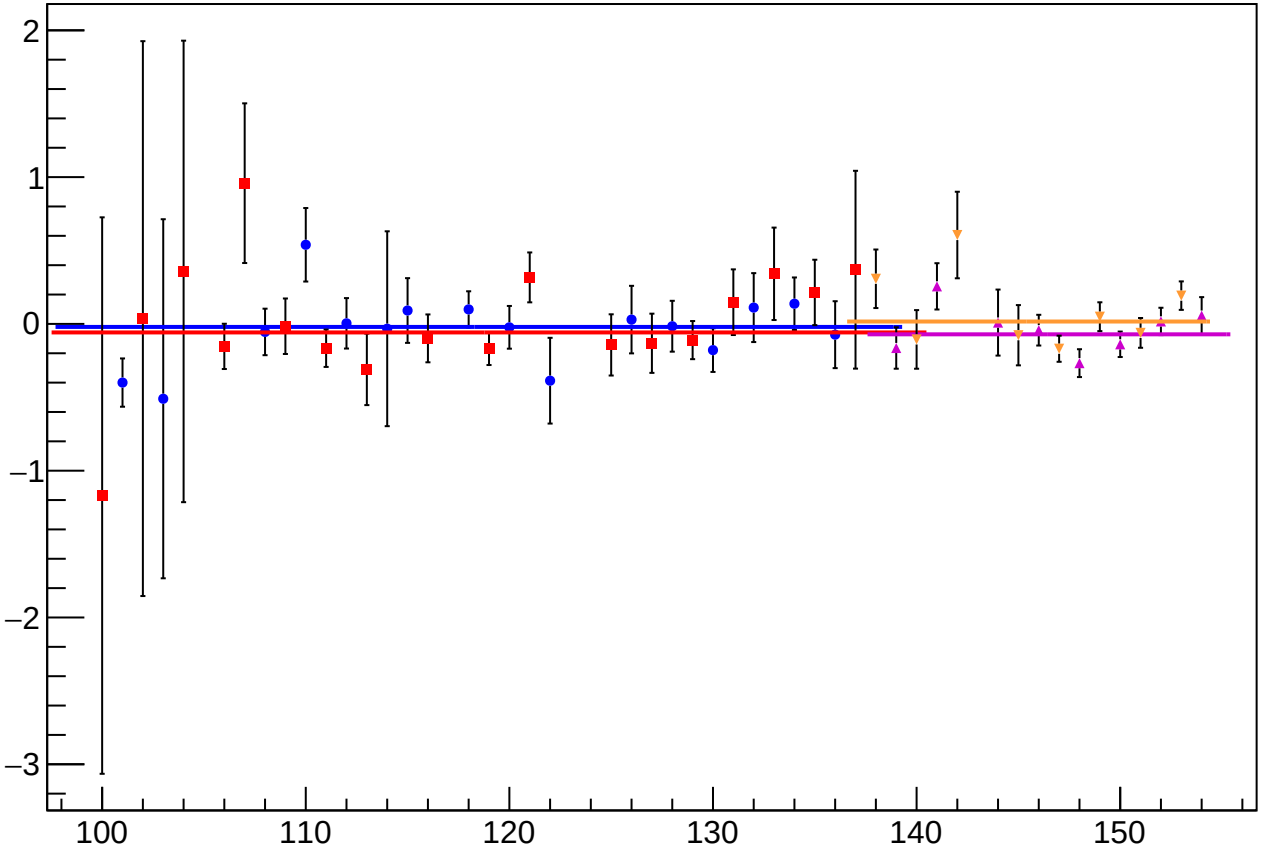
In: -0.050+/-0.031 χ^2/NDF:28.0/23

Out: -0.019+/-0.032 χ^2/NDF:33.2/25

All: -0.035+/-0.022 χ^2/NDF: 61.8/49


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 111.407+/-0.034 χ²/NDF: 1839361.2/15
Left Out: 99.325+/-0.031 χ²/NDF:1180781.4/7
Right Out: 102.673+/-0.033 χ²/NDF: 2826852.7/17
Left In: 97.506+/-0.028 χ²/NDF:944159.8/7
Left: 98.332+/-0.021 χ²/NDF: 2126816.7/15
Right: 106.926+/-0.024 χ²/NDF: 4700716.0/33
In: 103.260+/-0.022 χ²/NDF:2883357.6/23
Out: 100.906+/-0.023 χ²/NDF:4013127.1/25
All: 102.130+/-0.016 χ²/NDF: 6902151.3/49

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: -0.071+/-0.040 χ^2/NDF:11.7/7

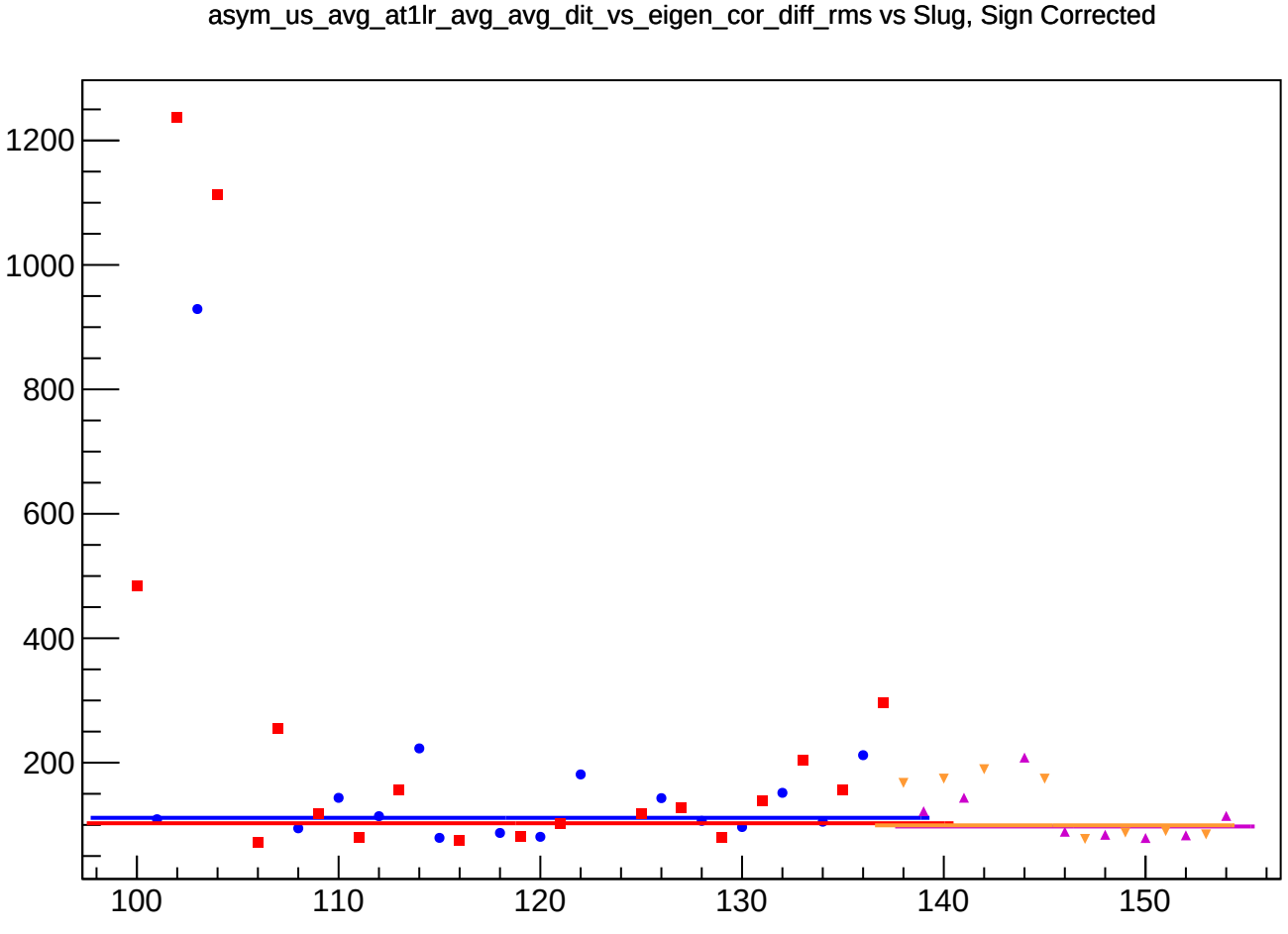
Left: -0.031+/-0.030 χ^2/NDF: 29.0/15

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.050+/-0.031 χ^2/NDF:28.0/23

Out: -0.019+/-0.032 χ^2/NDF:33.2/25

All: -0.035+/-0.022 χ^2/NDF: 61.8/49



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: 97.506+/-0.028 χ^2/NDF:944159.8/7

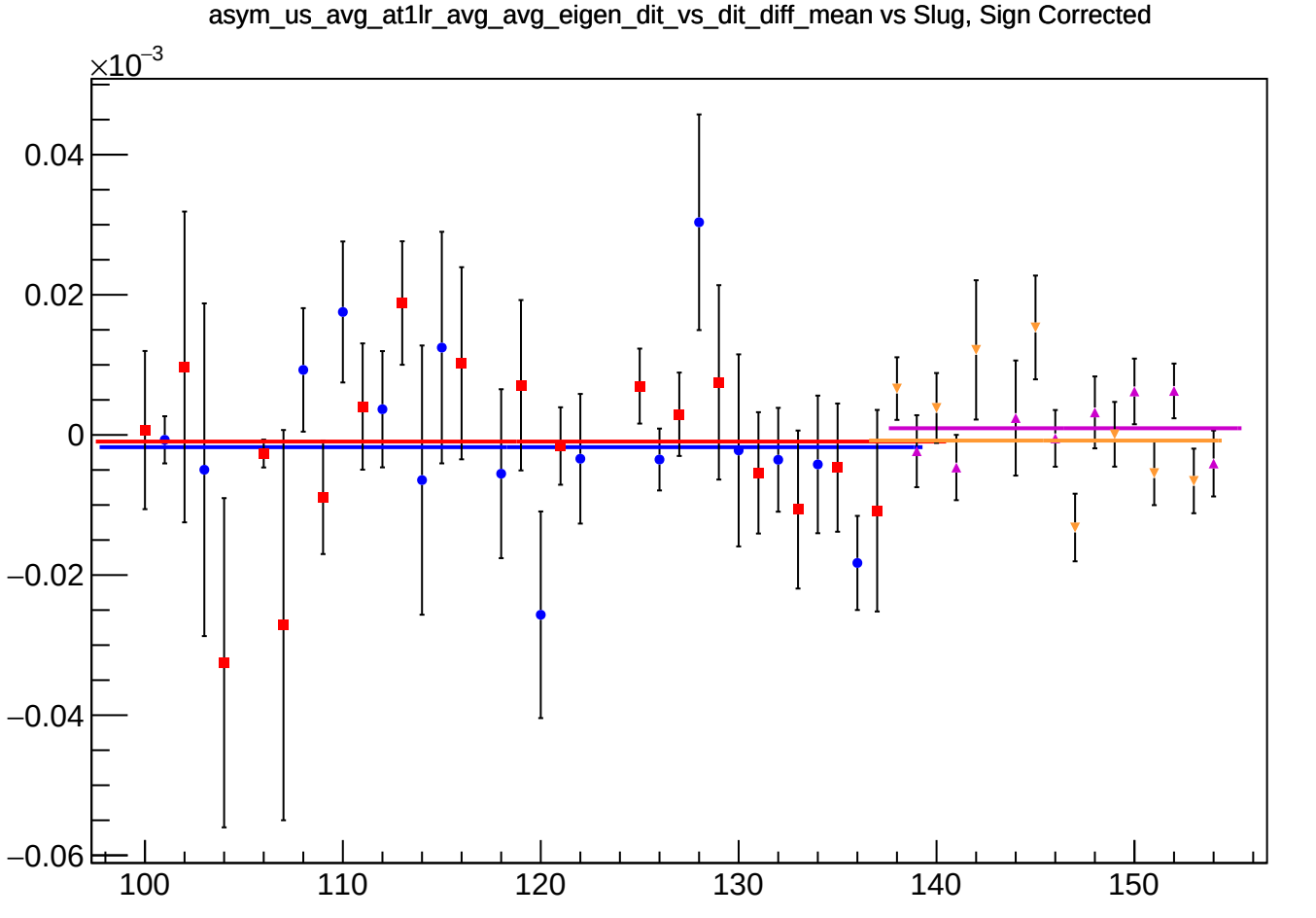
Left: 98.332+/-0.021 χ^2/NDF: 2126816.7/15

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 103.260+/-0.022 χ^2/NDF:2883357.6/23

Out: 100.906+/-0.023 χ^2/NDF:4013127.1/25

All: 102.130+/-0.016 χ^2/NDF: 6902151.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:6.5/7

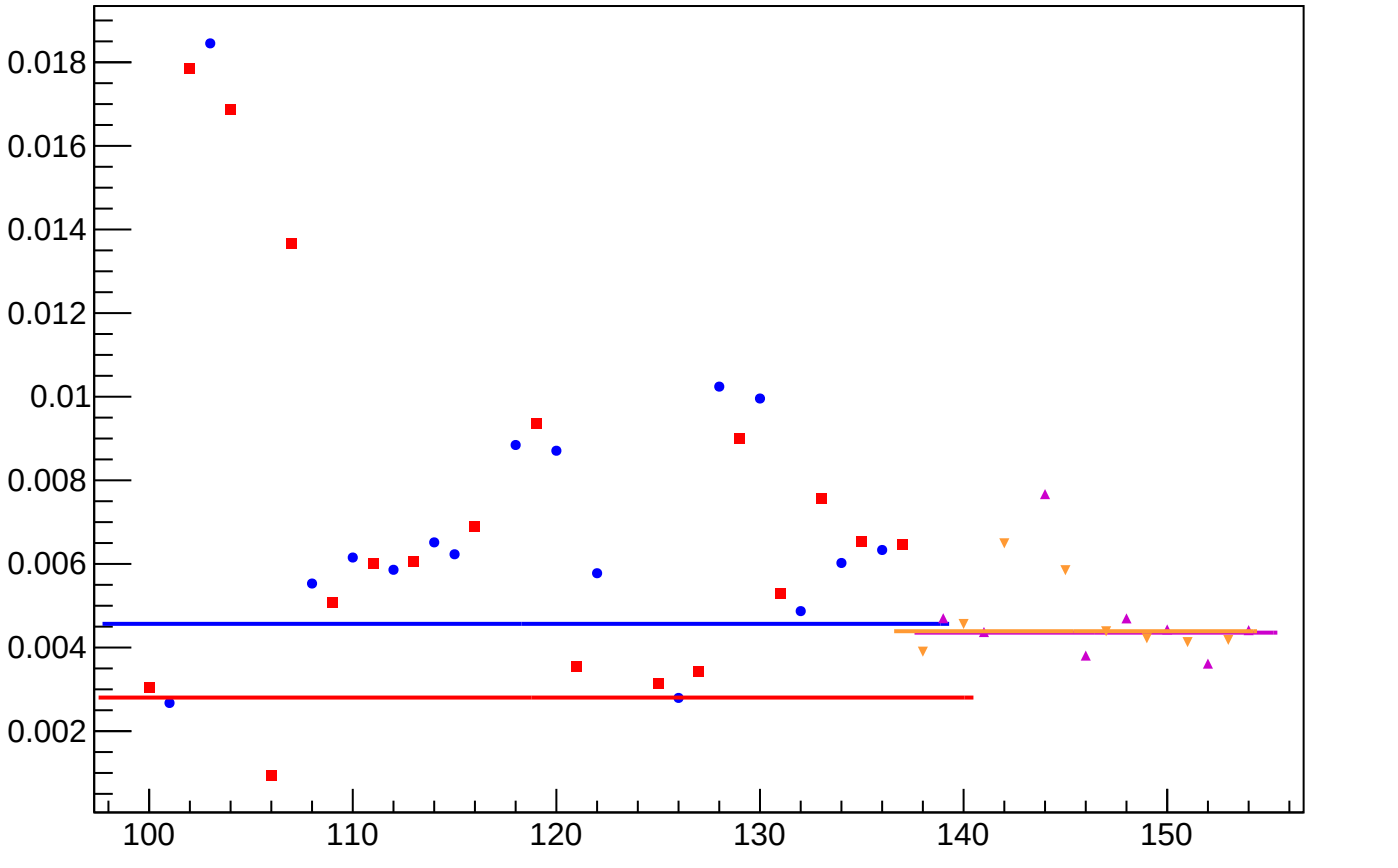
Left: 0.000+/-0.000 χ^2/NDF: 26.3/15

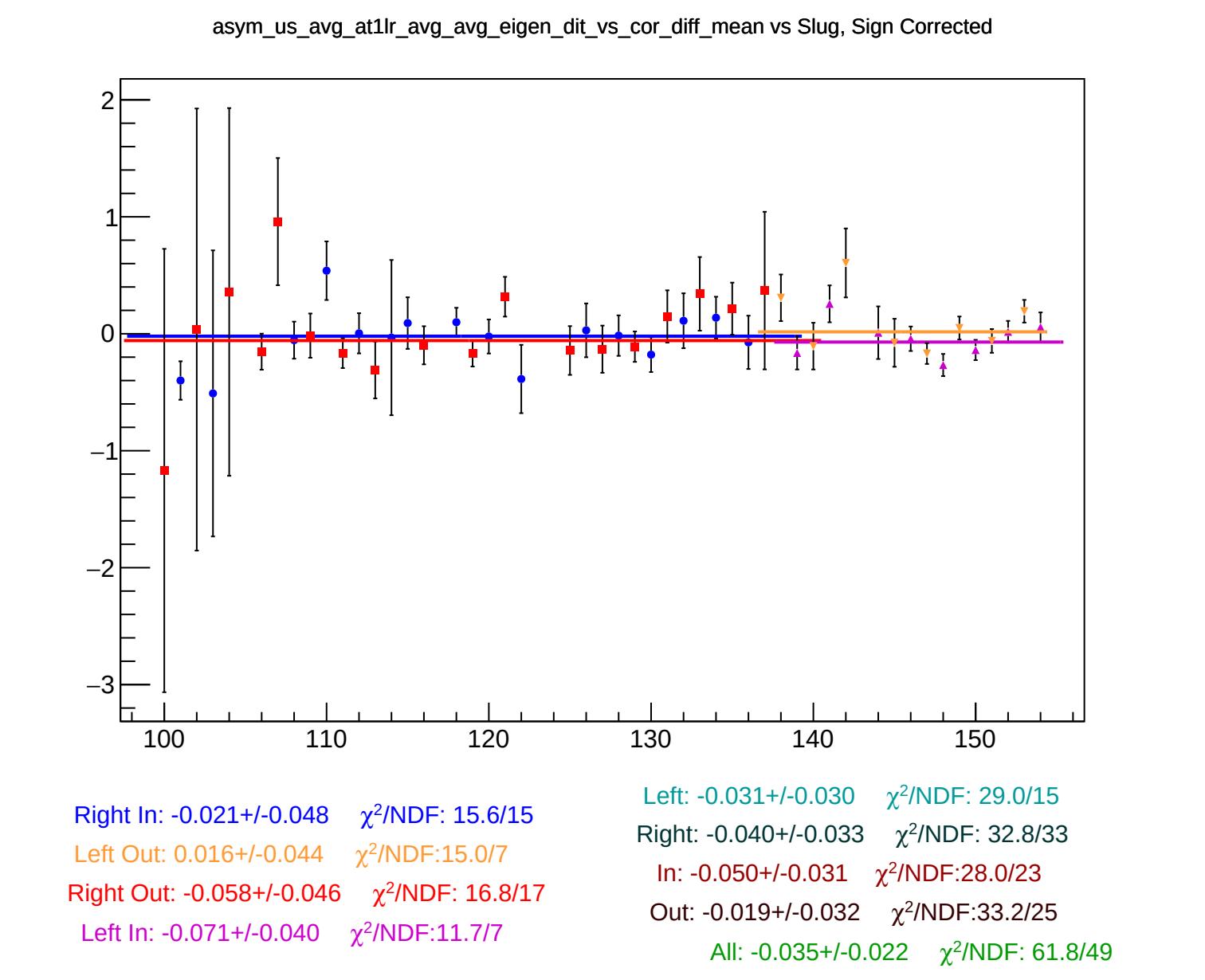
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: -0.000+/-0.000 χ^2/NDF:27.6/23

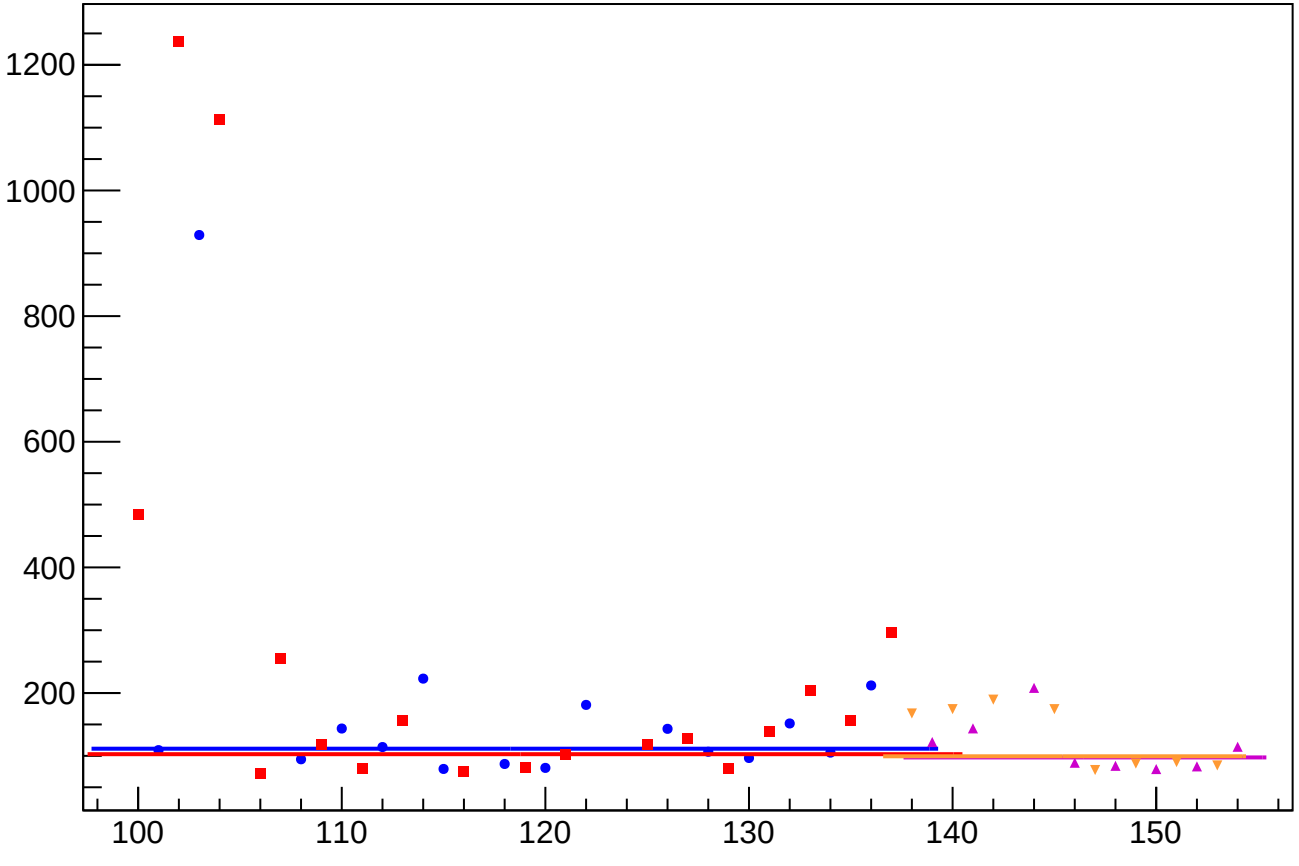
Out: -0.000+/-0.000 χ^2/NDF:35.1/25

All: -0.000+/-0.000 χ^2/NDF: 62.8/49


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.004+/-0.000 χ²/NDF:206735.5/7
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:453167.8/7
Left: 0.004+/-0.000 χ²/NDF: 660283.9/15
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.004+/-0.000 χ²/NDF:3478956.2/23
Out: 0.003+/-0.000 χ²/NDF:7735686.3/25
All: 0.004+/-0.000 χ²/NDF: 11914874.9/49


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: -0.071+/-0.040 χ²/NDF:11.7/7
Left: -0.031+/-0.030 χ²/NDF: 29.0/15
Right: -0.040+/-0.033 χ²/NDF: 32.8/33
In: -0.050+/-0.031 χ²/NDF:28.0/23
Out: -0.019+/-0.032 χ²/NDF:33.2/25
All: -0.035+/-0.022 χ²/NDF: 61.8/49

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: 97.507+/-0.028 χ^2/NDF:944148.6/7

Left: 98.333+/-0.021 χ^2/NDF: 2126786.0/15

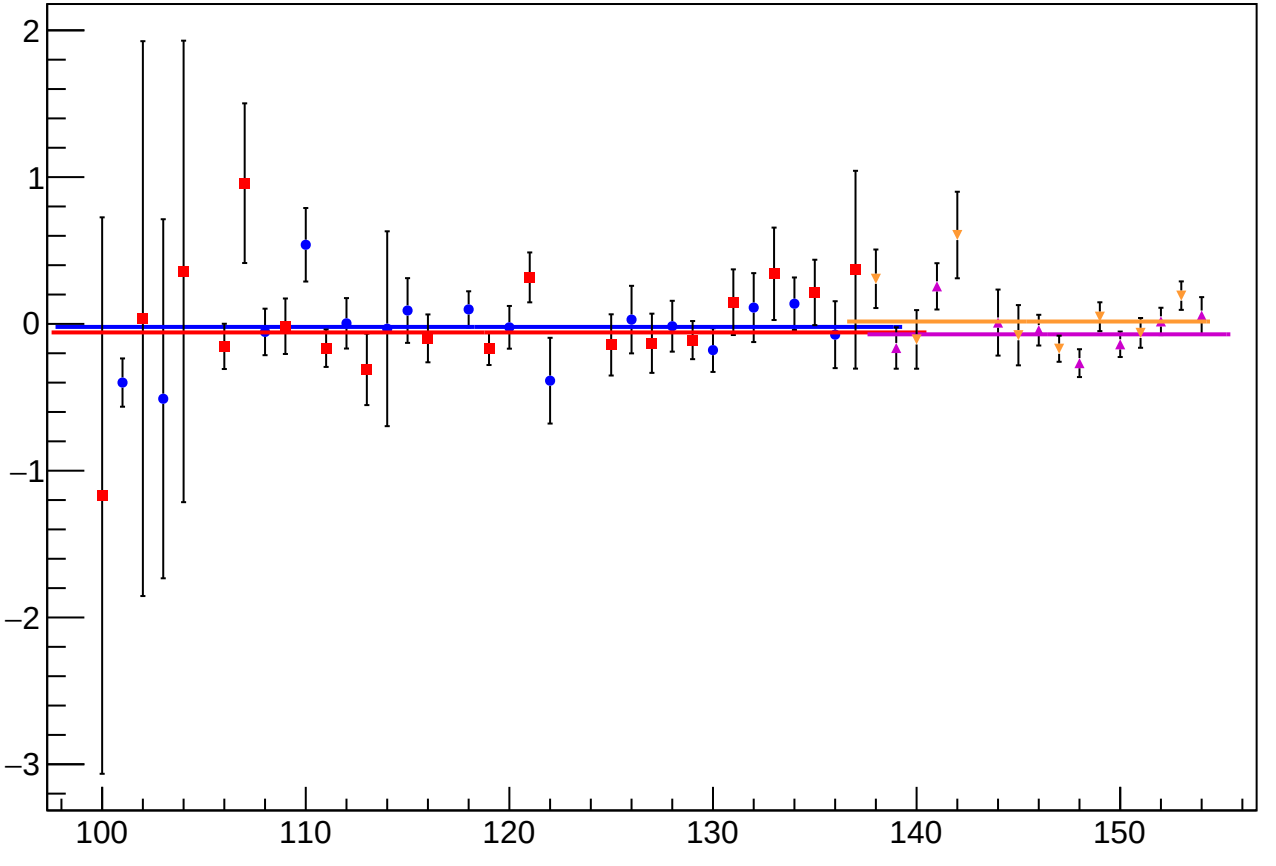
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 103.259+/-0.022 χ^2/NDF:2883352.1/23

Out: 100.906+/-0.023 χ^2/NDF:4013096.3/25

All: 102.129+/-0.016 χ^2/NDF: 6902113.6/49

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: -0.071+/-0.040 χ^2/NDF:11.7/7

Left: -0.031+/-0.030 χ^2/NDF: 29.0/15

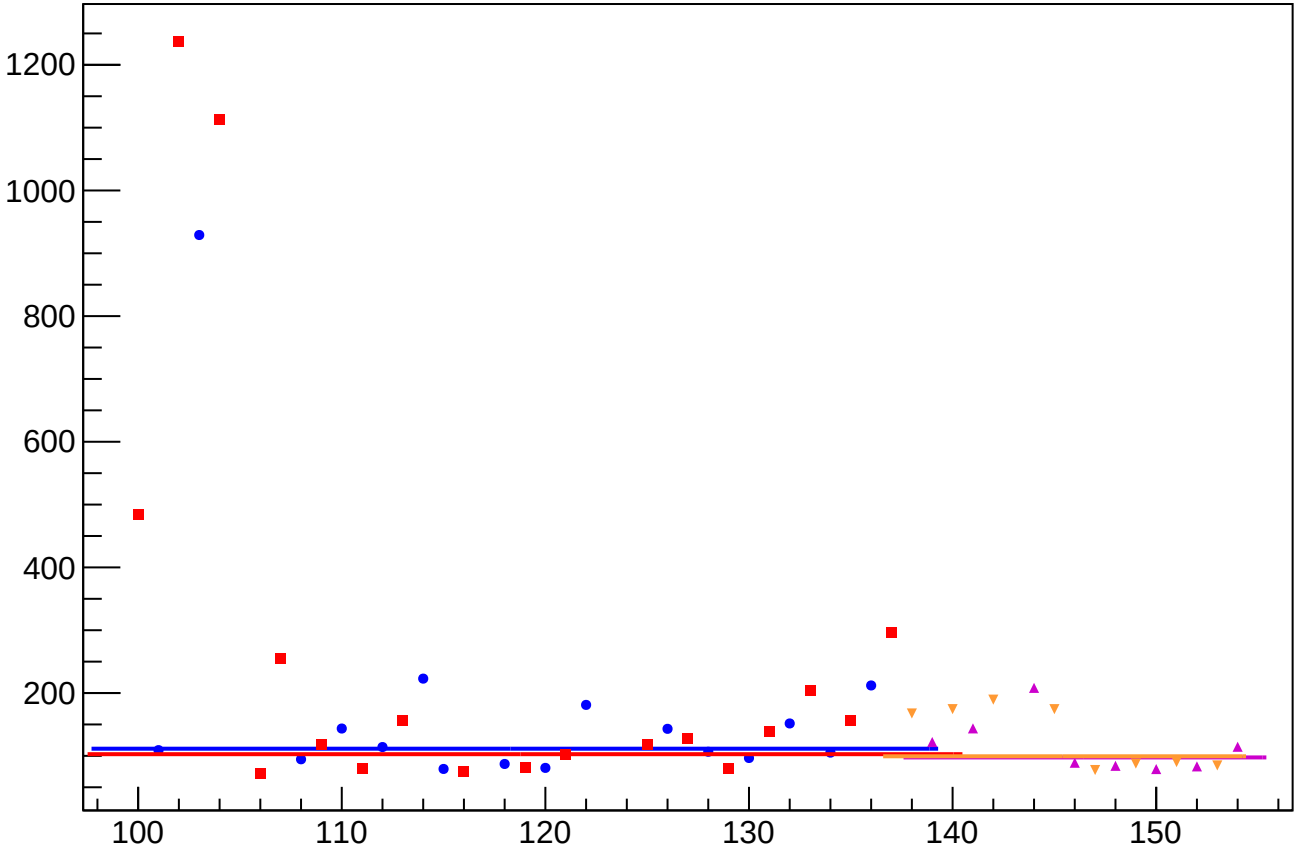
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.050+/-0.031 χ^2/NDF:28.0/23

Out: -0.019+/-0.032 χ^2/NDF:33.2/25

All: -0.035+/-0.022 χ^2/NDF: 61.8/49

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: 97.507+/-0.028 χ^2/NDF:944148.6/7

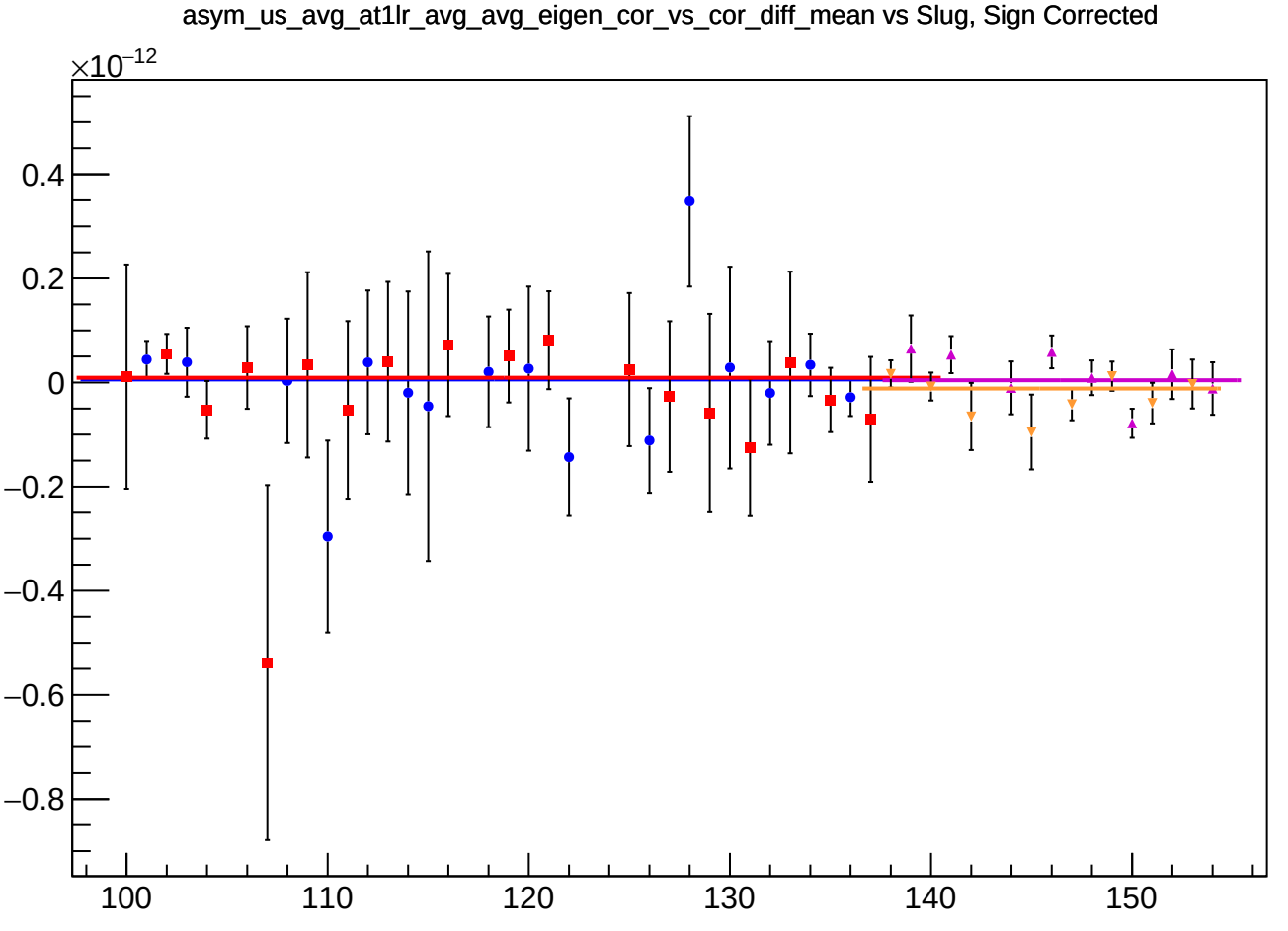
Left: 98.333+/-0.021 χ^2/NDF: 2126786.0/15

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 103.259+/-0.022 χ^2/NDF:2883352.1/23

Out: 100.906+/-0.023 χ^2/NDF:4013096.3/25

All: 102.129+/-0.016 χ^2/NDF: 6902113.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:14.8/7

Left: -0.000+/-0.000 χ^2/NDF: 21.1/15

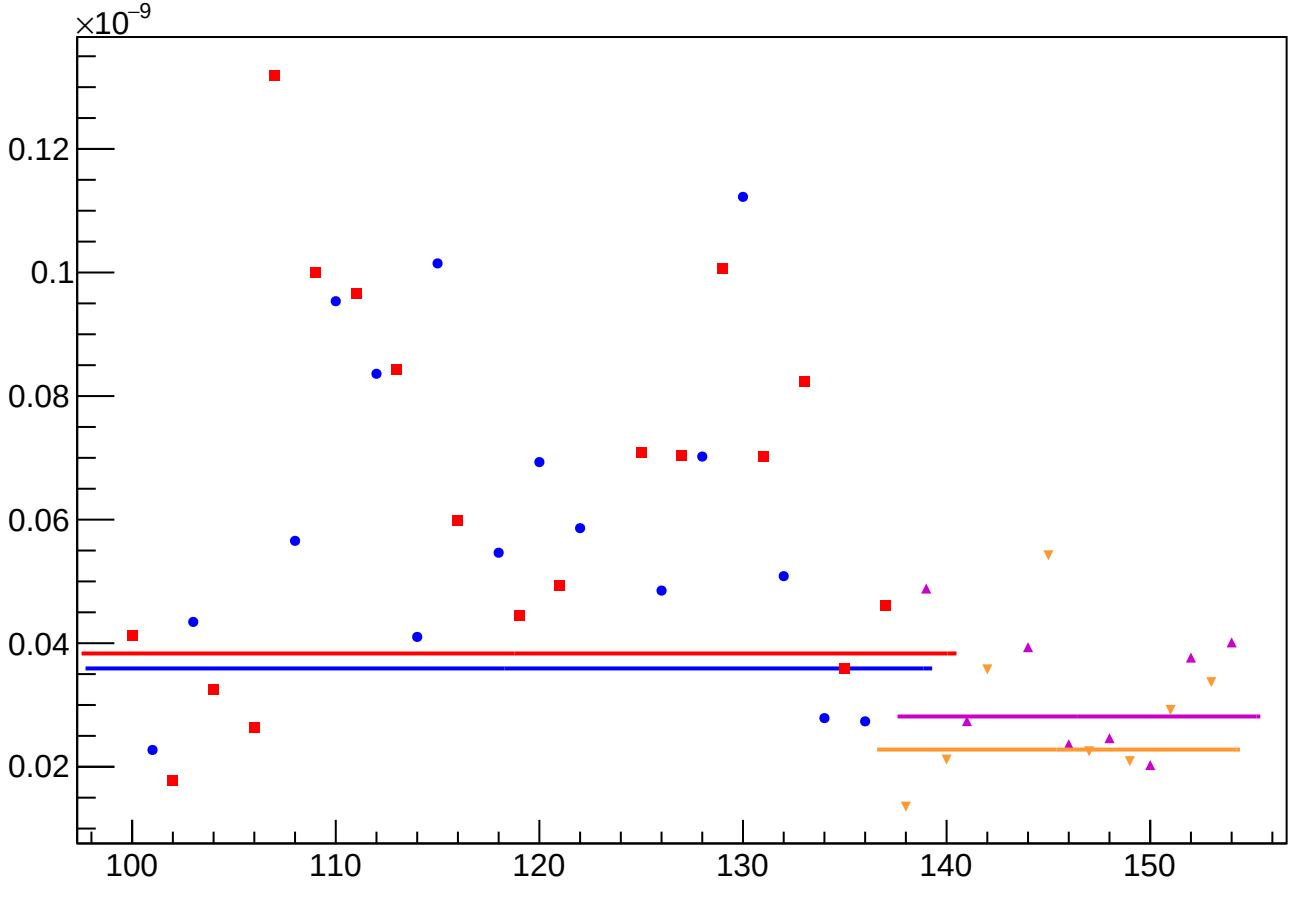
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:27.7/23

Out: -0.000+/-0.000 χ^2/NDF:14.8/25

All: -0.000+/-0.000 χ^2/NDF: 43.1/49

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:889816.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:724254.7/7

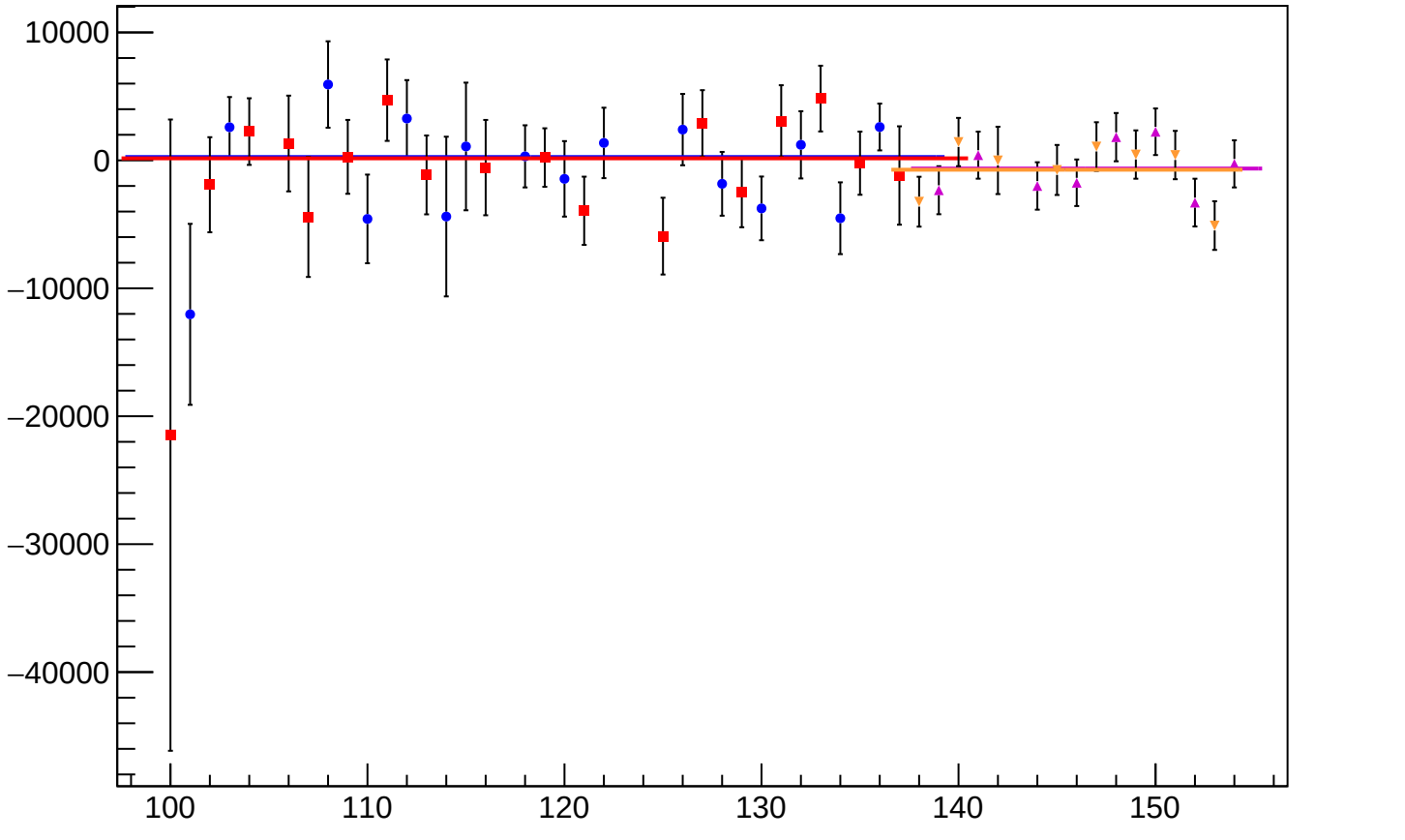
Left: 0.000+/-0.000 χ^2/NDF: 1786831.8/15

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2702502.5/23

Out: 0.000+/-0.000 χ^2/NDF:3877804.6/25

All: 0.000+/-0.000 χ^2/NDF: 6729262.5/49



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: -640.213+/-654.076 χ^2/NDF:8.3/7

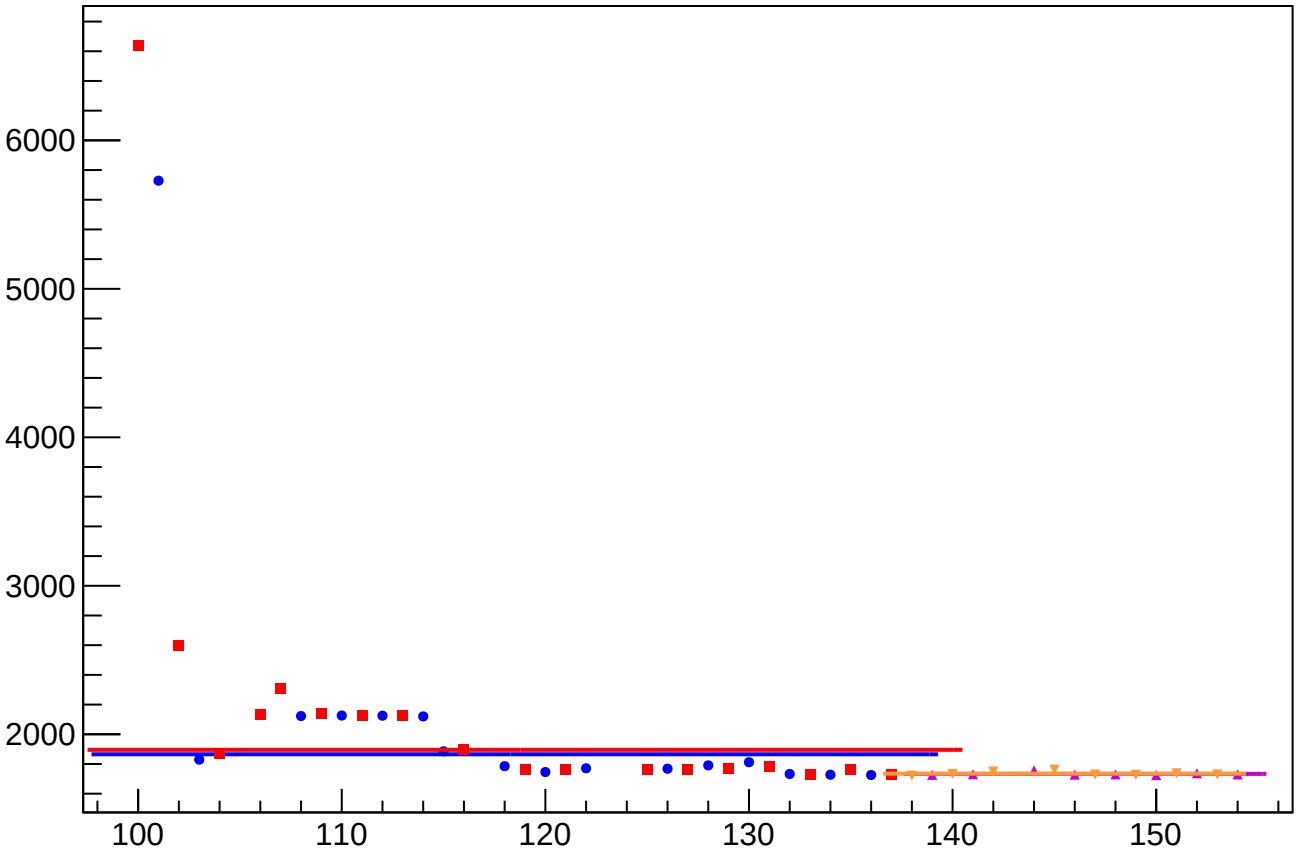
Left: -682.897+/-476.667 χ^2/NDF: 18.3/15

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -226.991+/-480.965 χ^2/NDF:28.6/23

Out: -296.205+/-497.852 χ^2/NDF:28.9/25

All: -260.404+/-345.910 χ^2/NDF: 57.5/49



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: 1733.145+/-0.463 χ^2/NDF:464.6/7

Left: 1733.966+/-0.337 χ^2/NDF: 1074.2/15

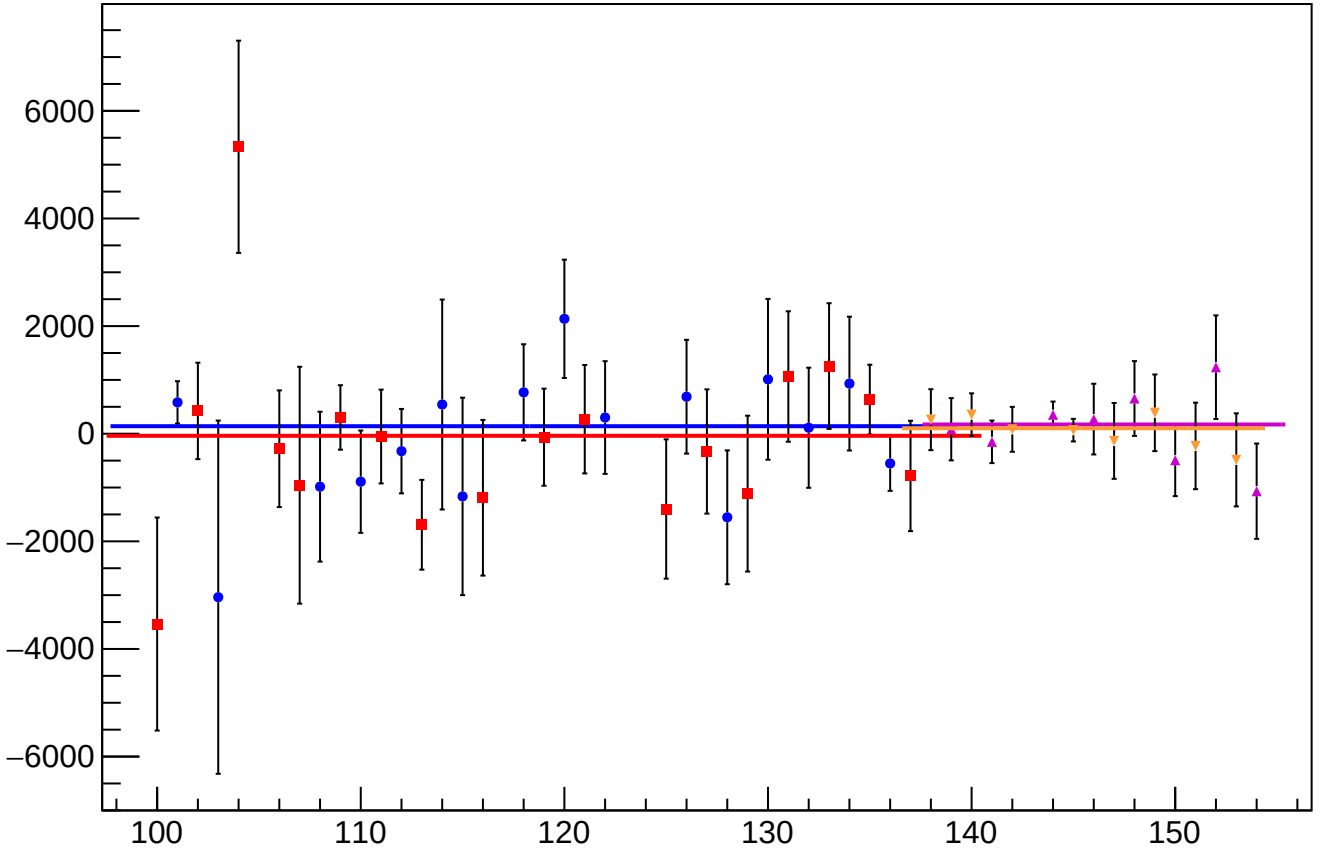
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1793.782+/-0.340 χ^2/NDF:710615.0/23

Out: 1813.228+/-0.352 χ^2/NDF:303253.2/25

All: 1803.169+/-0.245 χ^2/NDF: 1015446.5/49

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: 171.650+/-168.972 χ^2/NDF:5.9/7

Left: 132.385+/-111.920 χ^2/NDF: 7.4/15

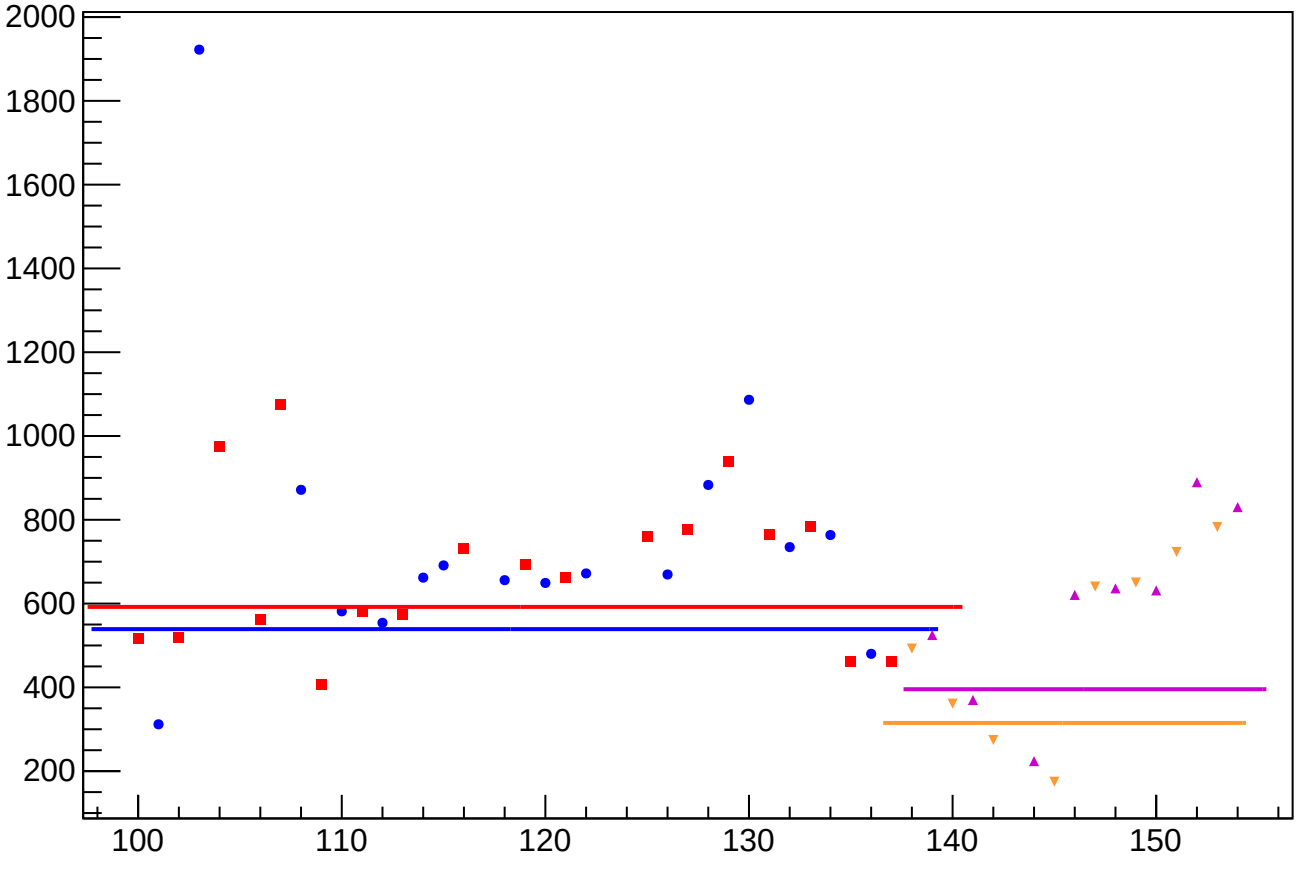
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 159.839+/-134.030 χ^2/NDF:19.4/23

Out: 62.094+/-126.566 χ^2/NDF:23.1/25

All: 108.169+/-92.021 χ^2/NDF: 42.7/49

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: 395.576+/-0.119 χ^2/NDF:2822972.1/7

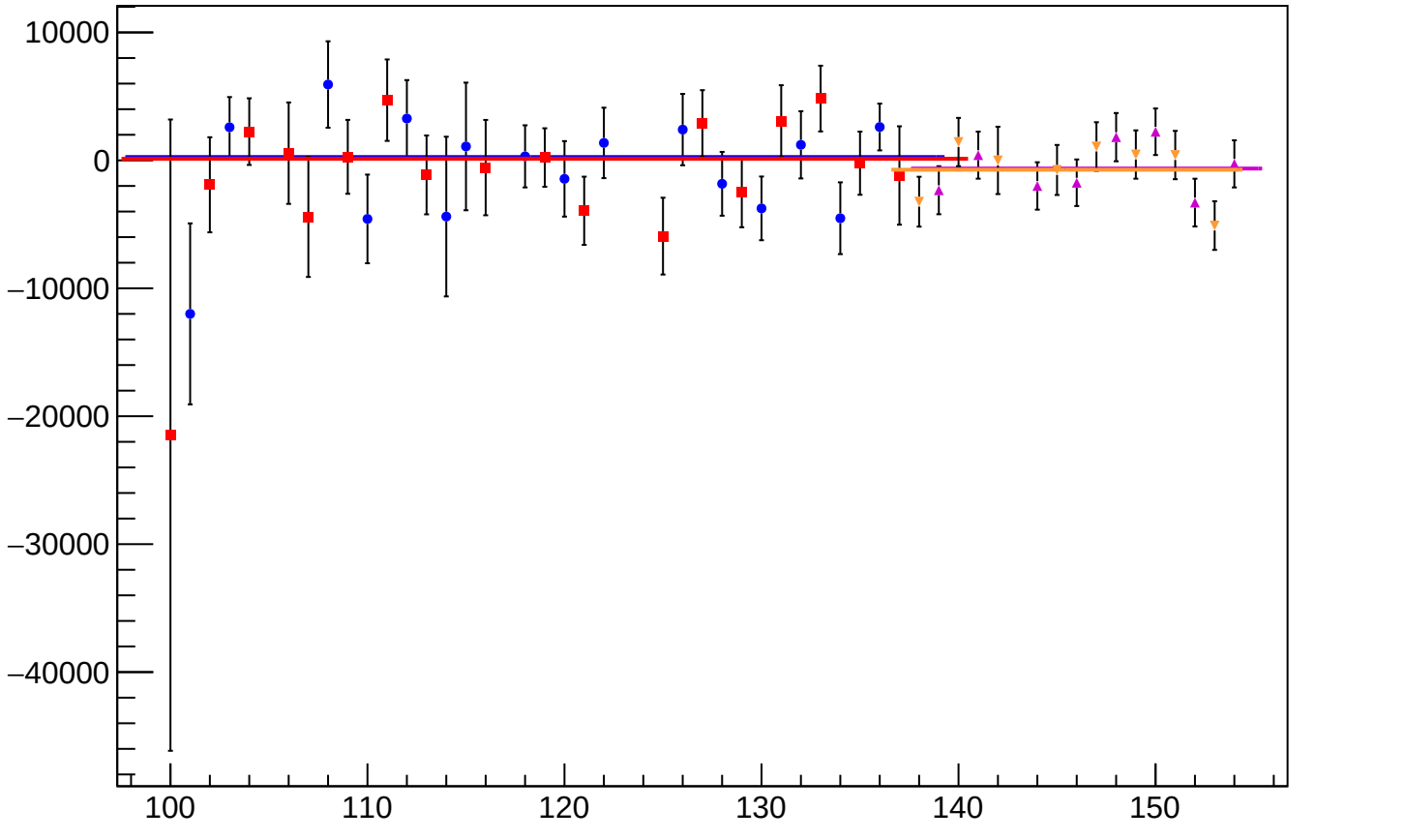
Left: 350.403+/-0.079 χ^2/NDF: 6183641.3/15

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 448.766+/-0.095 χ^2/NDF:5211999.1/23

Out: 393.266+/-0.089 χ^2/NDF:5889665.1/25

All: 419.428+/-0.065 χ^2/NDF: 11282947.2/49



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: -640.317+/-654.076 χ^2/NDF:8.3/7

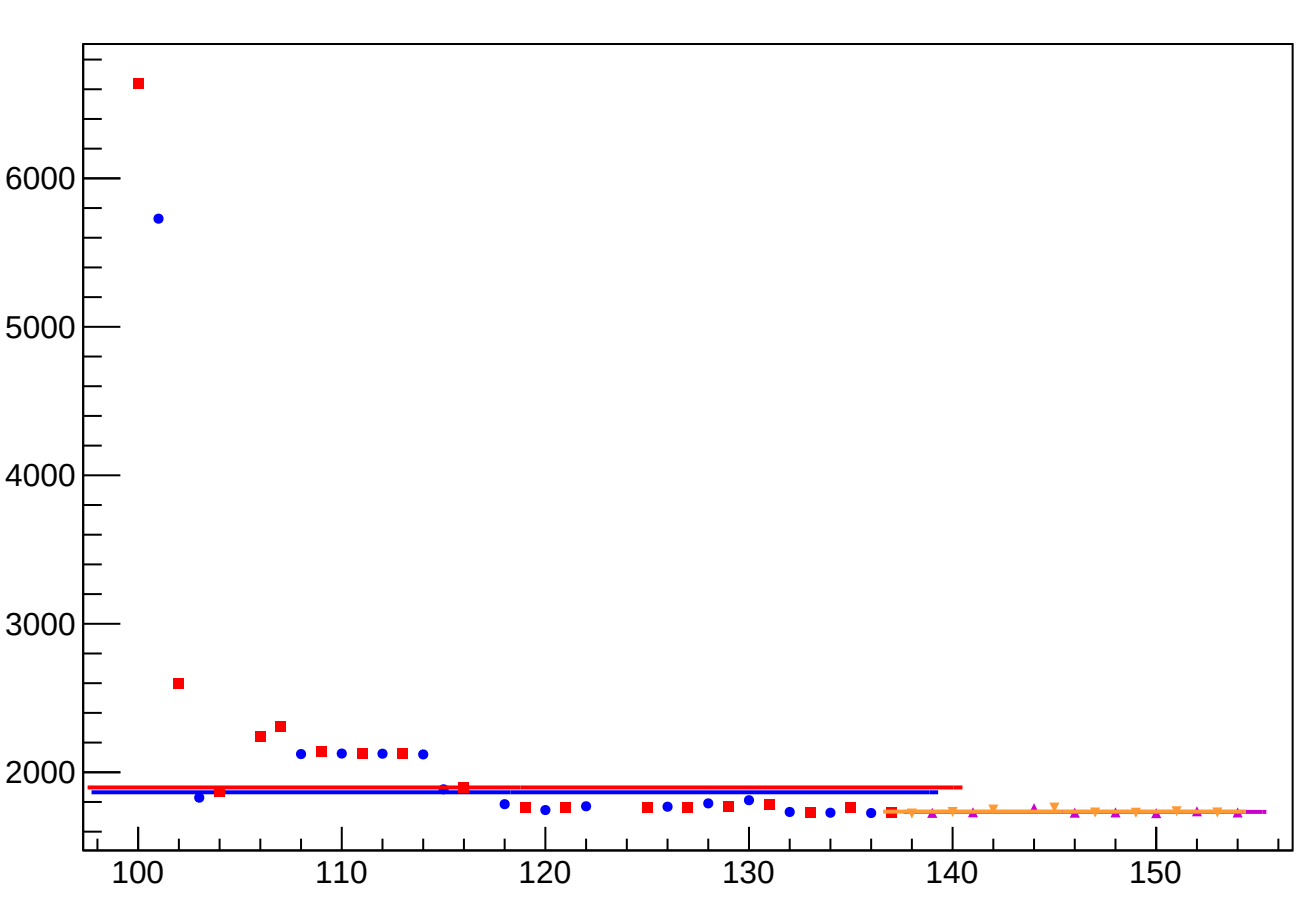
Left: -682.897+/-476.667 χ^2/NDF: 18.3/15

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -226.961+/-480.965 χ^2/NDF:28.6/23

Out: -311.299+/-498.333 χ^2/NDF:28.7/25

All: -267.635+/-346.071 χ^2/NDF: 57.3/49



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: 1733.145+/-0.463 χ^2/NDF:464.6/7

Left: 1733.966+/-0.337 χ^2/NDF: 1074.2/15

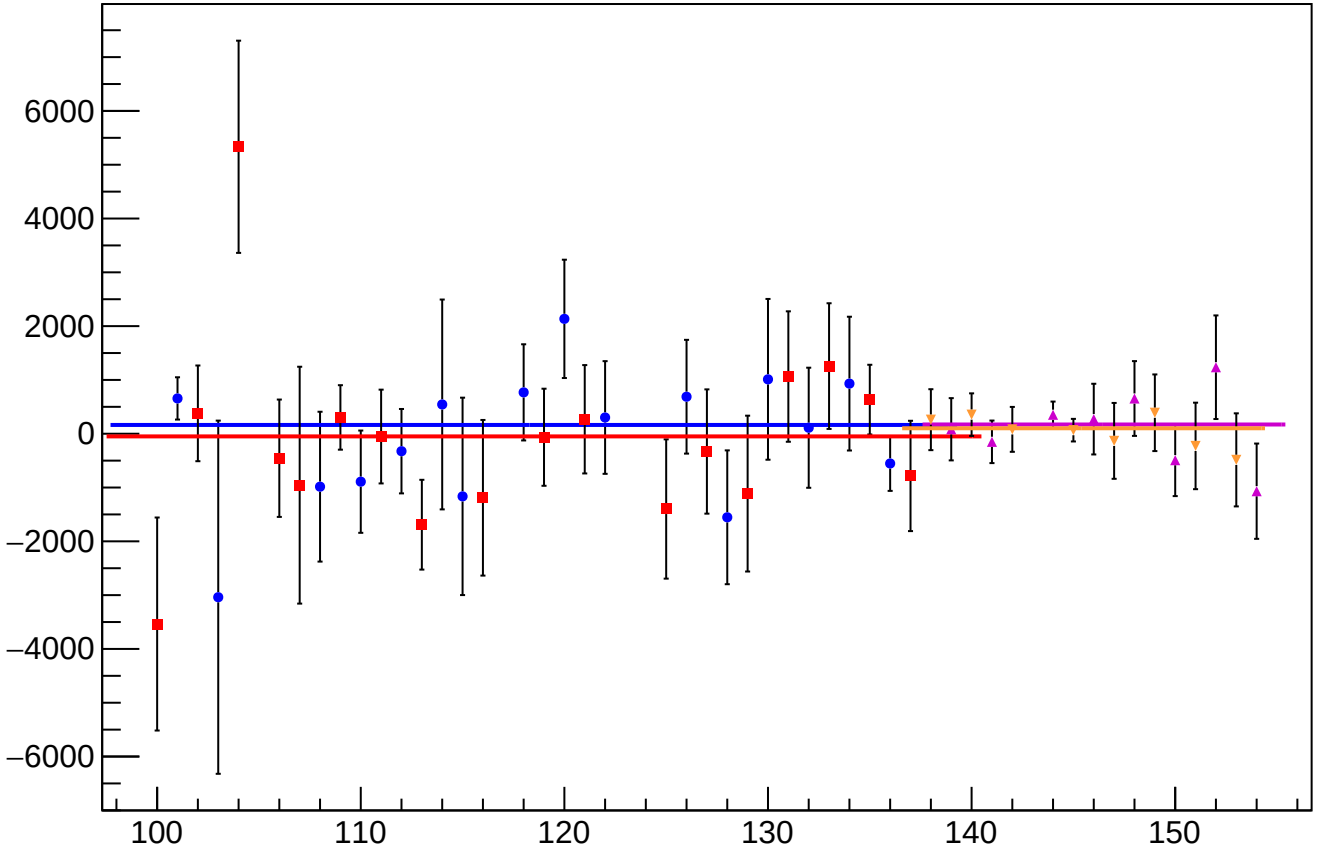
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1793.781+/-0.340 χ^2/NDF:710614.8/23

Out: 1814.264+/-0.352 χ^2/NDF:311670.3/25

All: 1803.660+/-0.245 χ^2/NDF: 1024034.3/49

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: 171.649+/-168.972 χ^2/NDF:5.9/7

Left: 132.315+/-111.921 χ^2/NDF: 7.4/15

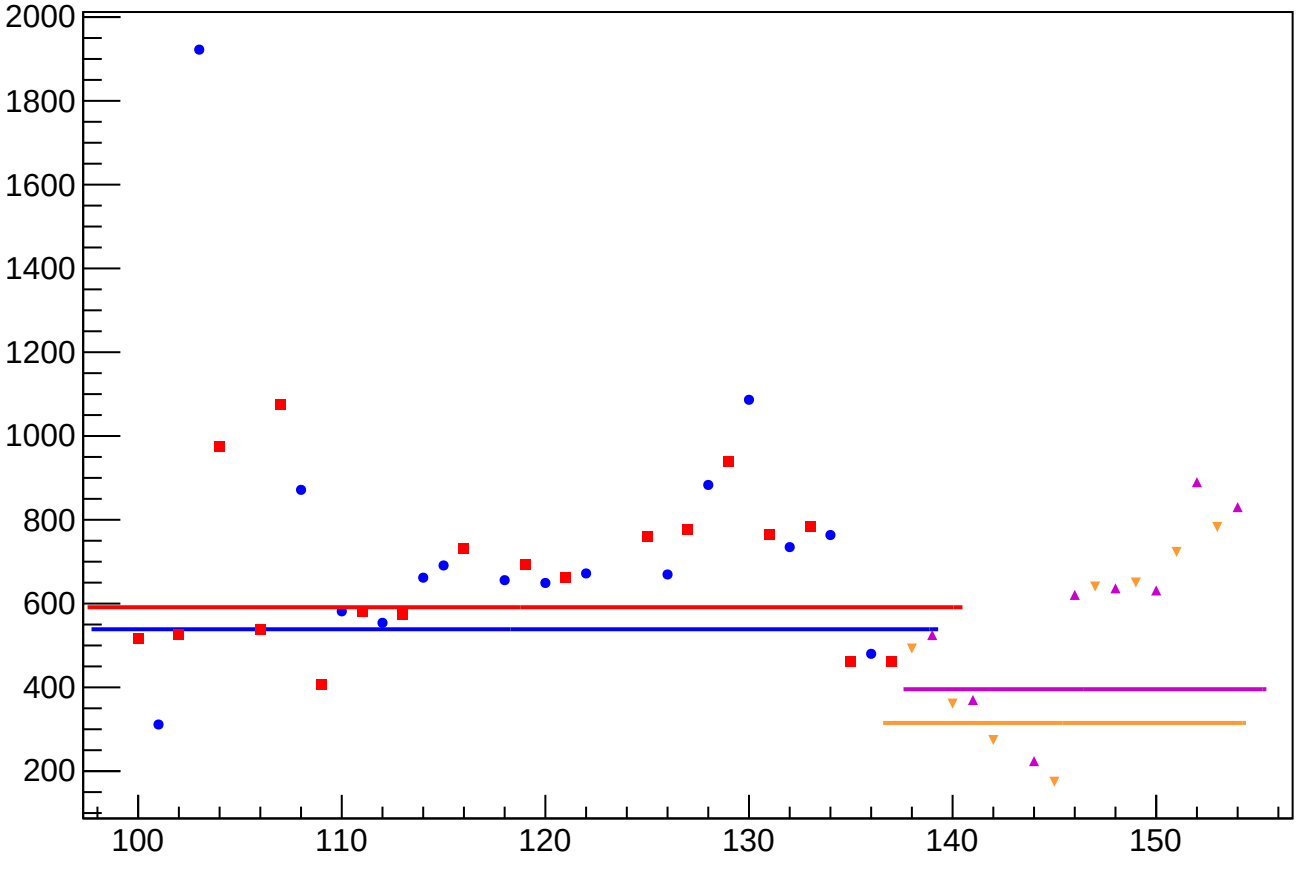
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 168.496+/-134.013 χ^2/NDF:19.8/23

Out: 58.888+/-126.560 χ^2/NDF:23.1/25

All: 110.559+/-92.014 χ^2/NDF: 43.3/49

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: 395.585+/-0.119 χ^2/NDF:2822716.4/7

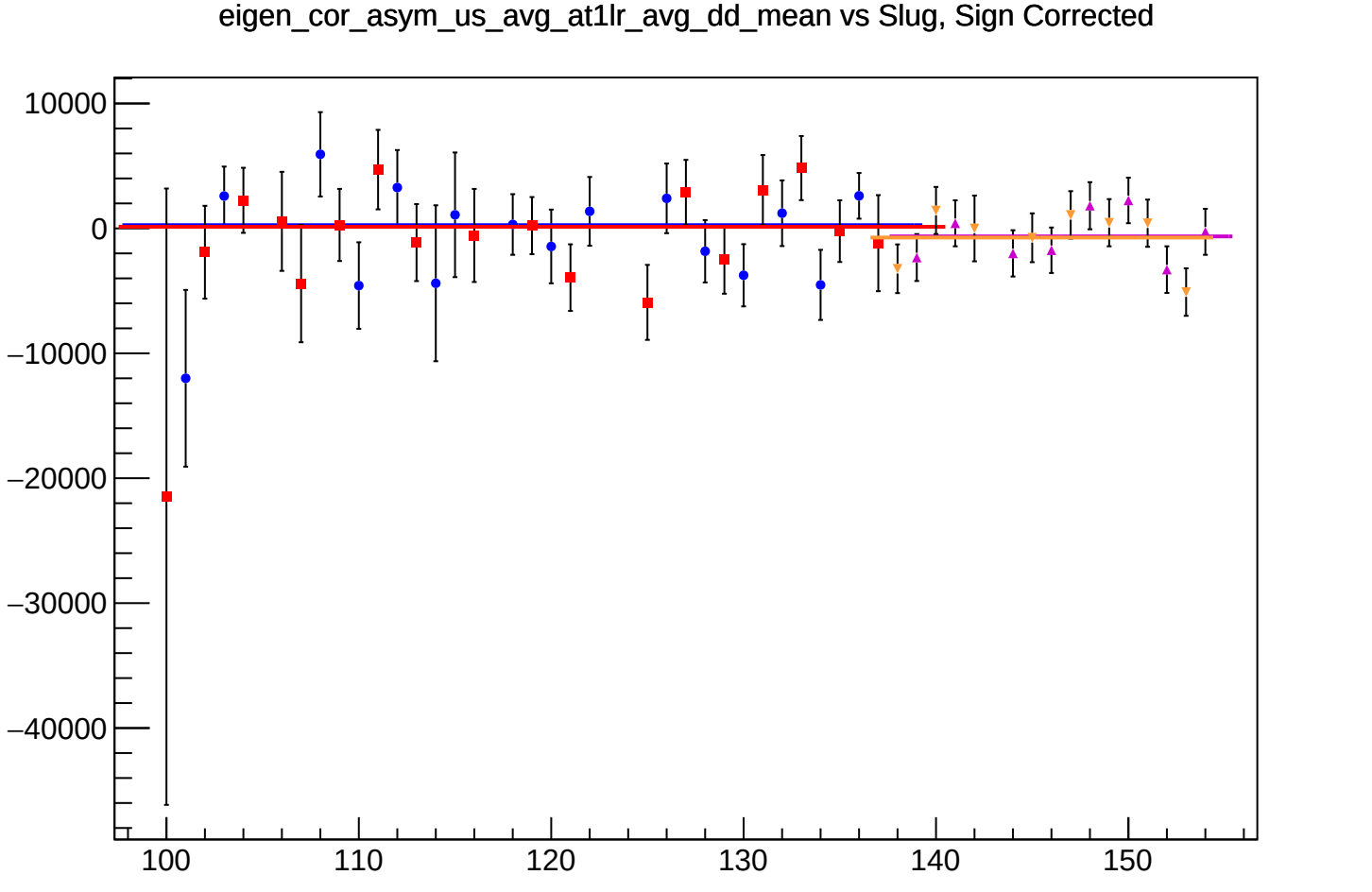
Left: 350.412+/-0.079 χ^2/NDF: 6183340.8/15

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 448.679+/-0.095 χ^2/NDF:5213894.6/23

Out: 393.057+/-0.089 χ^2/NDF:5879581.5/25

All: 419.279+/-0.065 χ^2/NDF: 11275588.1/49



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: -640.317+/-654.076 χ^2/NDF:8.3/7

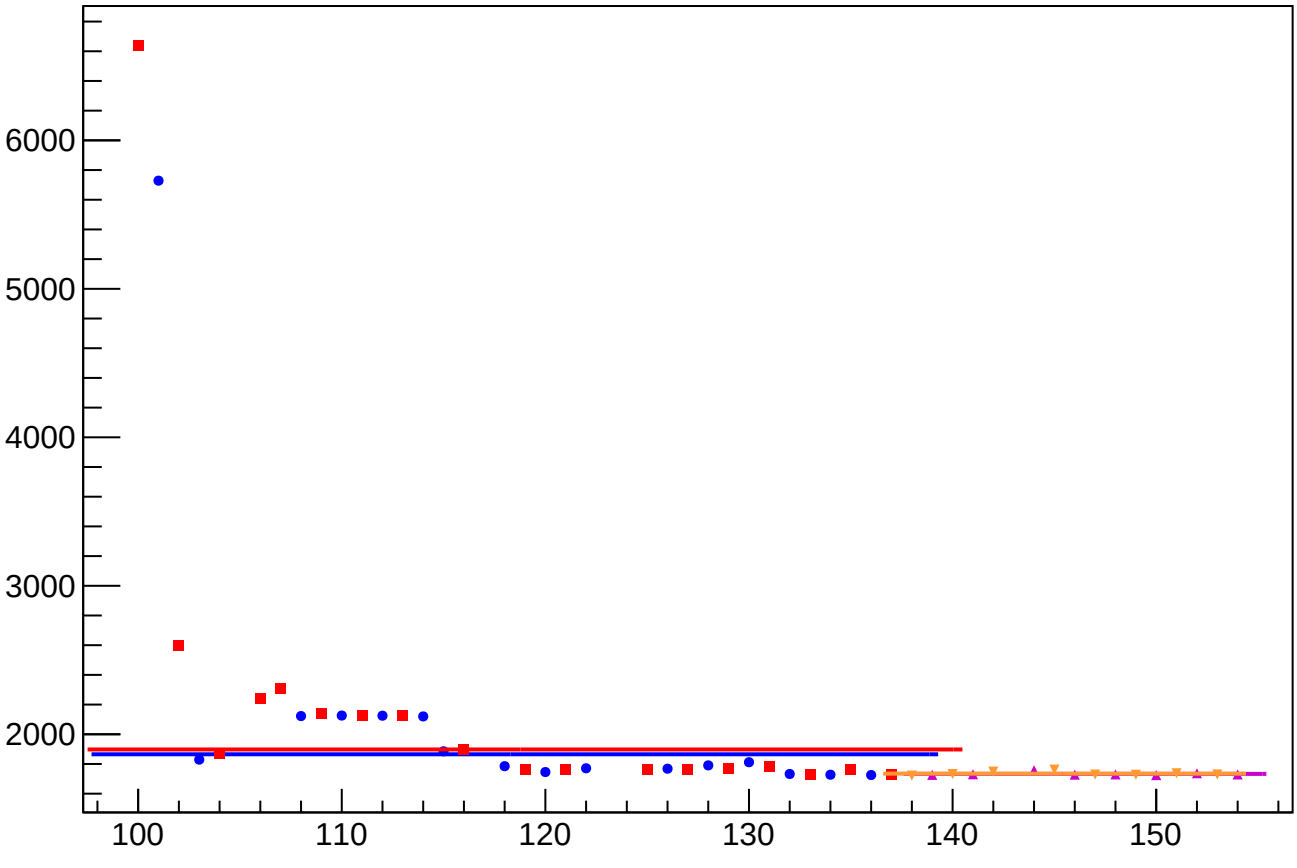
Left: -682.897+/-476.667 χ^2/NDF: 18.3/15

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -226.961+/-480.965 χ^2/NDF:28.6/23

Out: -311.299+/-498.333 χ^2/NDF:28.7/25

All: -267.635+/-346.071 χ^2/NDF: 57.3/49



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: 1733.145+/-0.463 χ^2/NDF:464.6/7

Left: 1733.966+/-0.337 χ^2/NDF: 1074.2/15

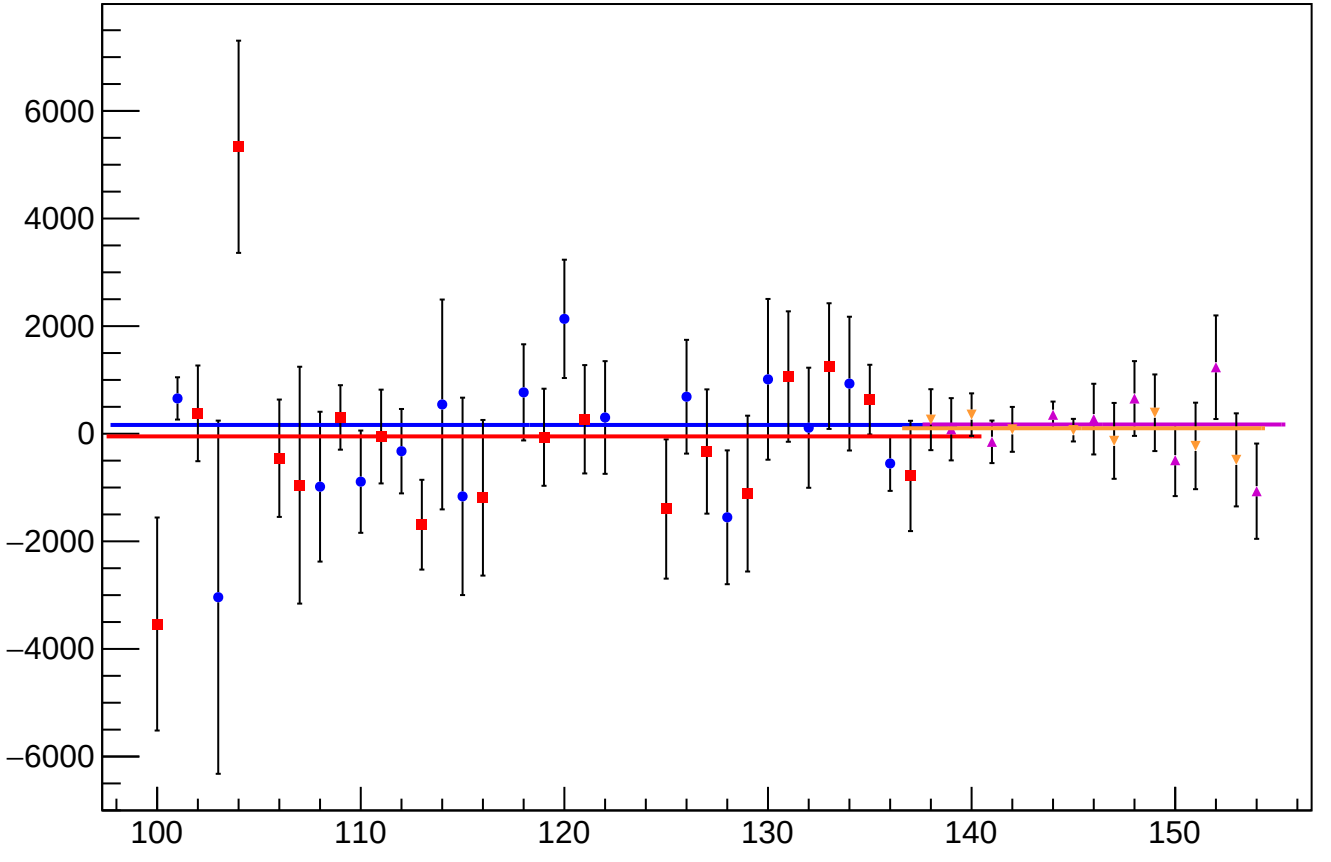
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1793.781+/-0.340 χ^2/NDF:710614.8/23

Out: 1814.264+/-0.352 χ^2/NDF:311670.3/25

All: 1803.660+/-0.245 χ^2/NDF: 1024034.3/49

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: 171.649+/-168.972 χ^2/NDF:5.9/7

Left: 132.315+/-111.921 χ^2/NDF: 7.4/15

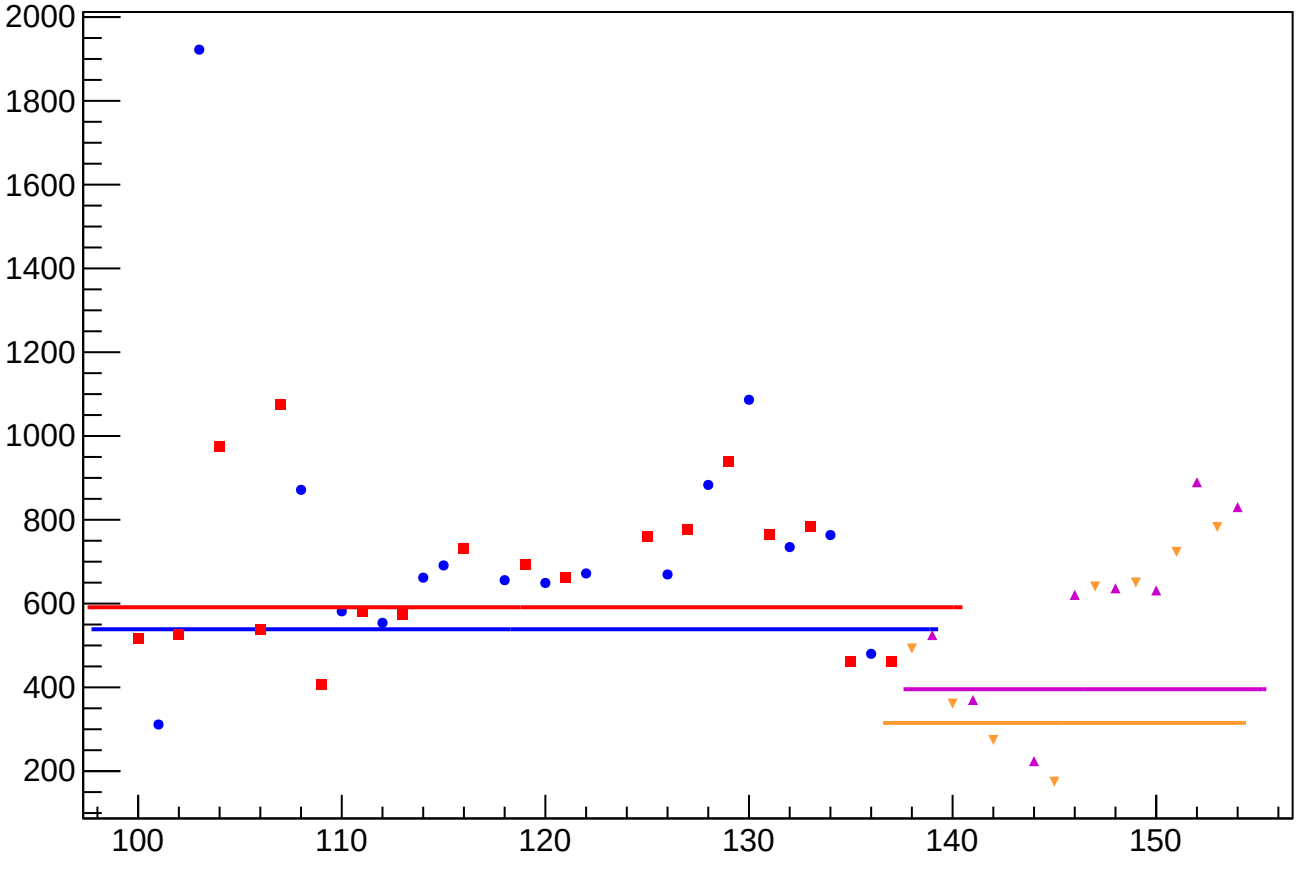
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 168.496+/-134.013 χ^2/NDF:19.8/23

Out: 58.888+/-126.560 χ^2/NDF:23.1/25

All: 110.559+/-92.014 χ^2/NDF: 43.3/49

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: 395.585+/-0.119 χ^2/NDF:2822716.4/7

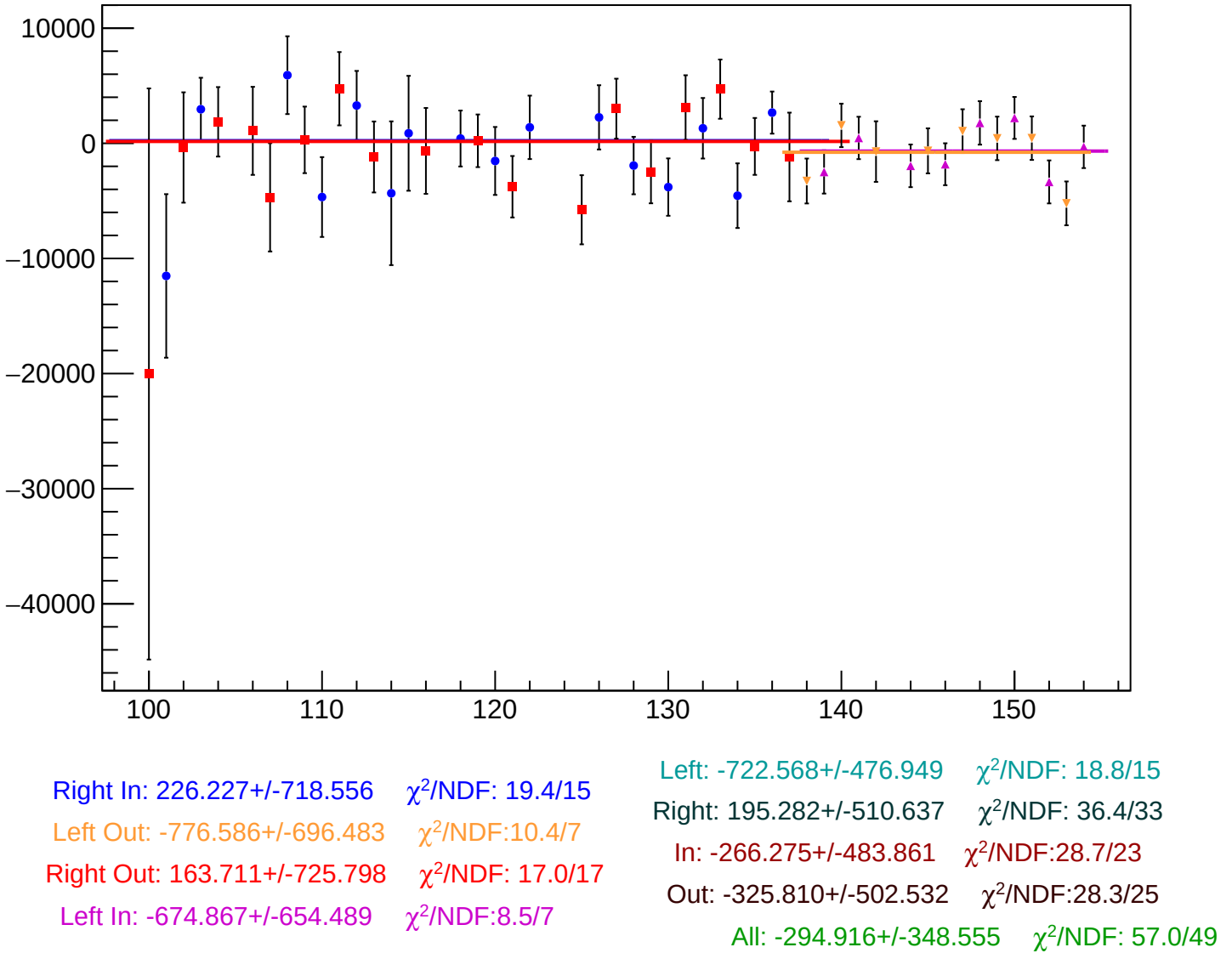
Left: 350.412+/-0.079 χ^2/NDF: 6183340.8/15

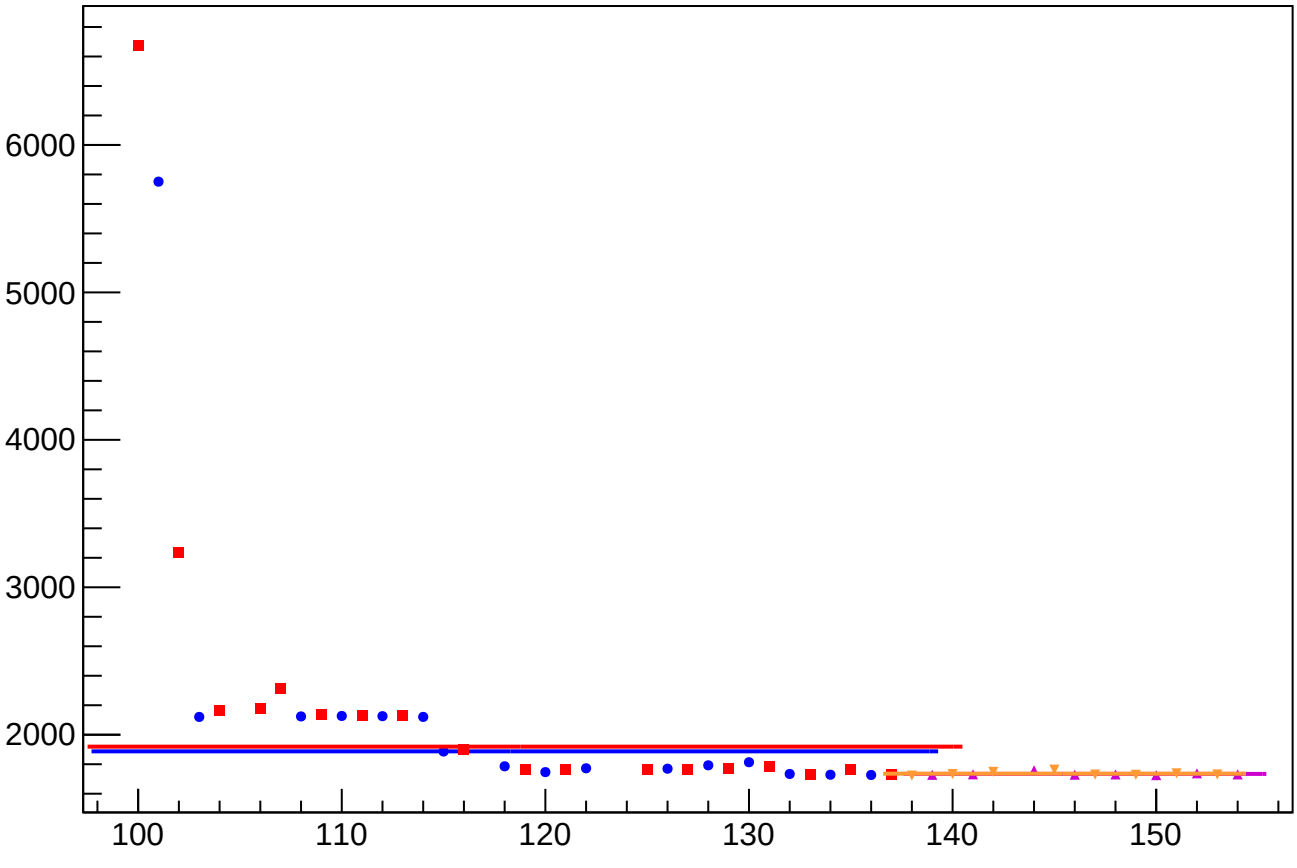
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 448.679+/-0.095 χ^2/NDF:5213894.6/23

Out: 393.057+/-0.089 χ^2/NDF:5879581.5/25

All: 419.279+/-0.065 χ^2/NDF: 11275588.1/49


dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -776.586+/-696.483 χ²/NDF:10.4/7
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -674.867+/-654.489 χ²/NDF:8.5/7
Left: -722.568+/-476.949 χ²/NDF: 18.8/15
Right: 195.282+/-510.637 χ²/NDF: 36.4/33
In: -266.275+/-483.861 χ²/NDF:28.7/23
Out: -325.810+/-502.532 χ²/NDF:28.3/25
All: -294.916+/-348.555 χ²/NDF: 57.0/49



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.838+/-0.492 χ^2/NDF:598.7/7

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.237+/-0.463 χ^2/NDF:454.4/7

Left: 1734.987+/-0.337 χ^2/NDF: 1058.7/15

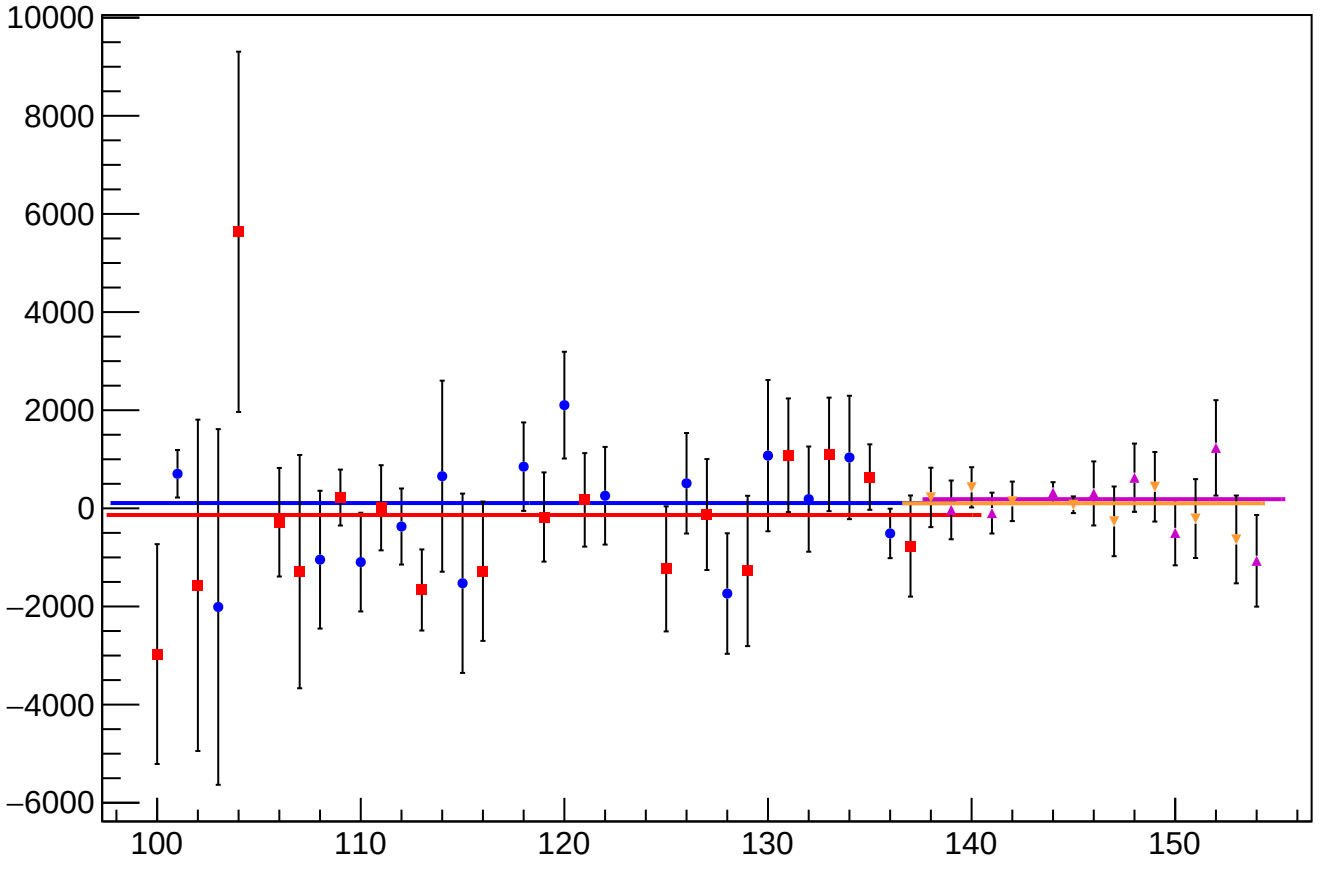
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1803.646+/-0.342 χ^2/NDF:739504.4/23

Out: 1823.724+/-0.355 χ^2/NDF:419594.5/25

All: 1813.305+/-0.246 χ^2/NDF: 1160755.6/49

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: 187.015+/-158.808 χ^2/NDF:5.5/7

Left: 137.976+/-102.205 χ^2/NDF: 7.7/15

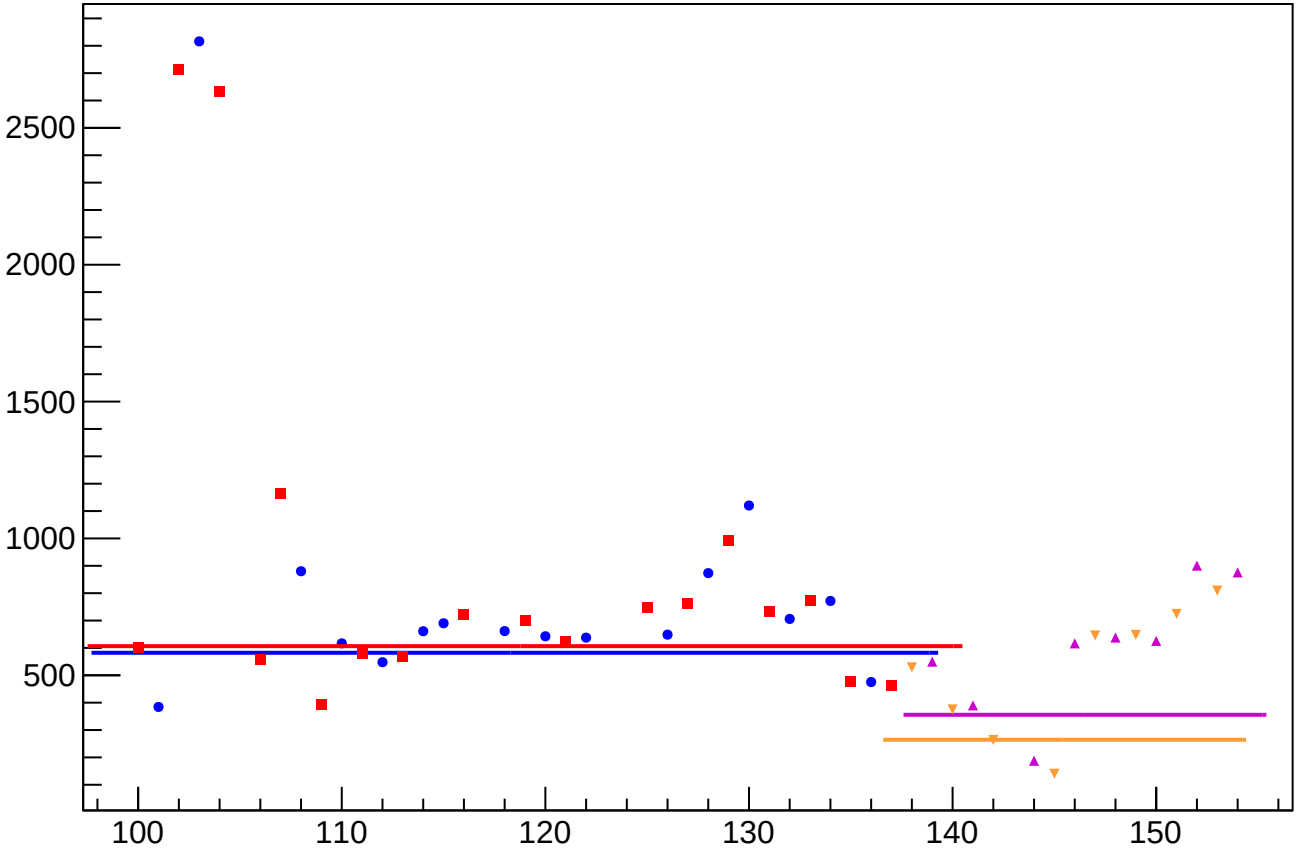
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 161.803+/-130.994 χ^2/NDF:19.7/23

Out: 48.962+/-117.352 χ^2/NDF:17.1/25

All: 99.203+/-87.407 χ^2/NDF: 37.2/49

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: 355.680+/-0.112 χ^2/NDF:3704620.9/7

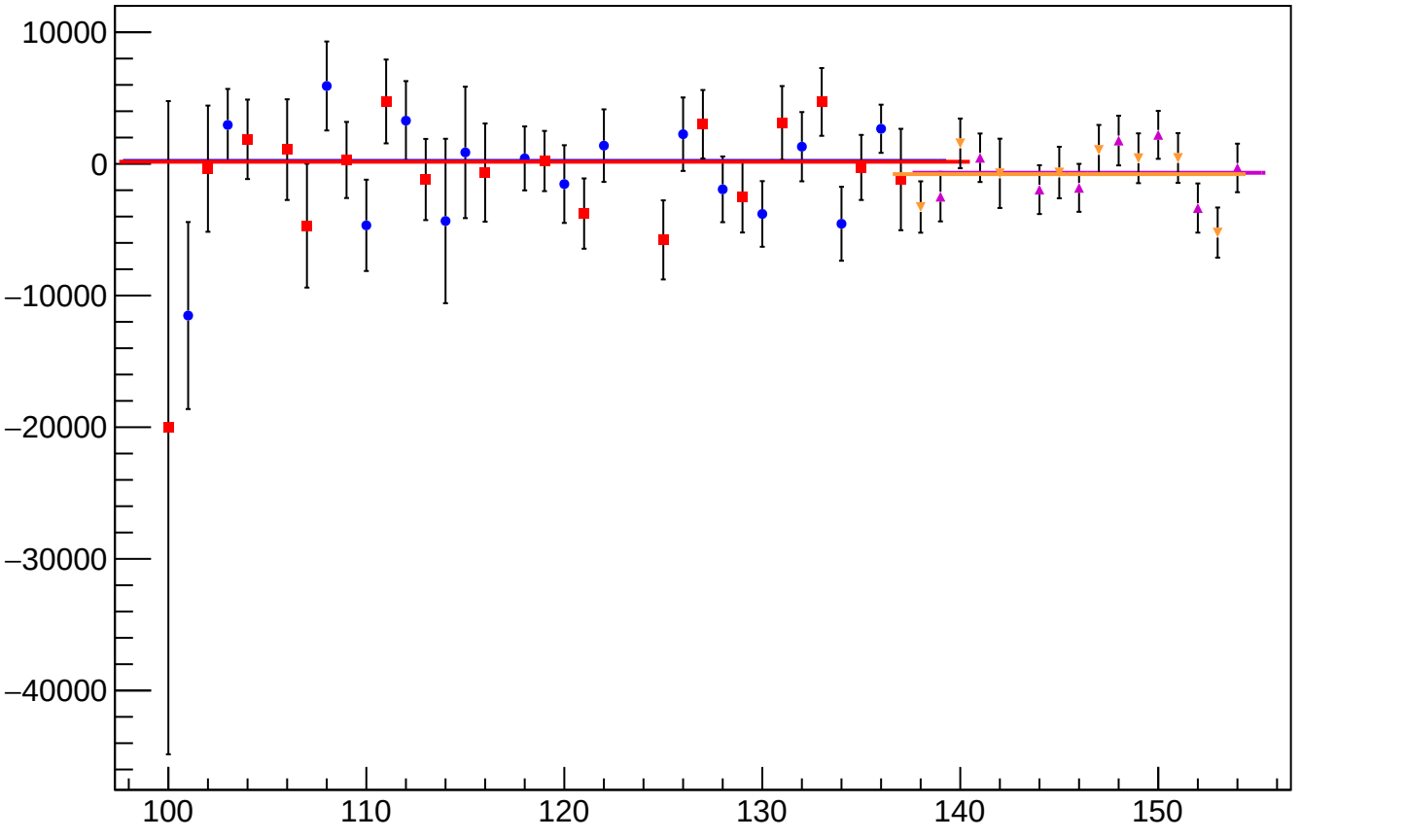
Left: 302.254+/-0.072 χ^2/NDF: 8239427.3/15

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 428.099+/-0.093 χ^2/NDF:6760234.4/23

Out: 342.344+/-0.083 χ^2/NDF:9333319.7/25

All: 380.525+/-0.062 χ^2/NDF: 16569055.4/49



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: -674.867+/-654.489 χ^2/NDF:8.5/7

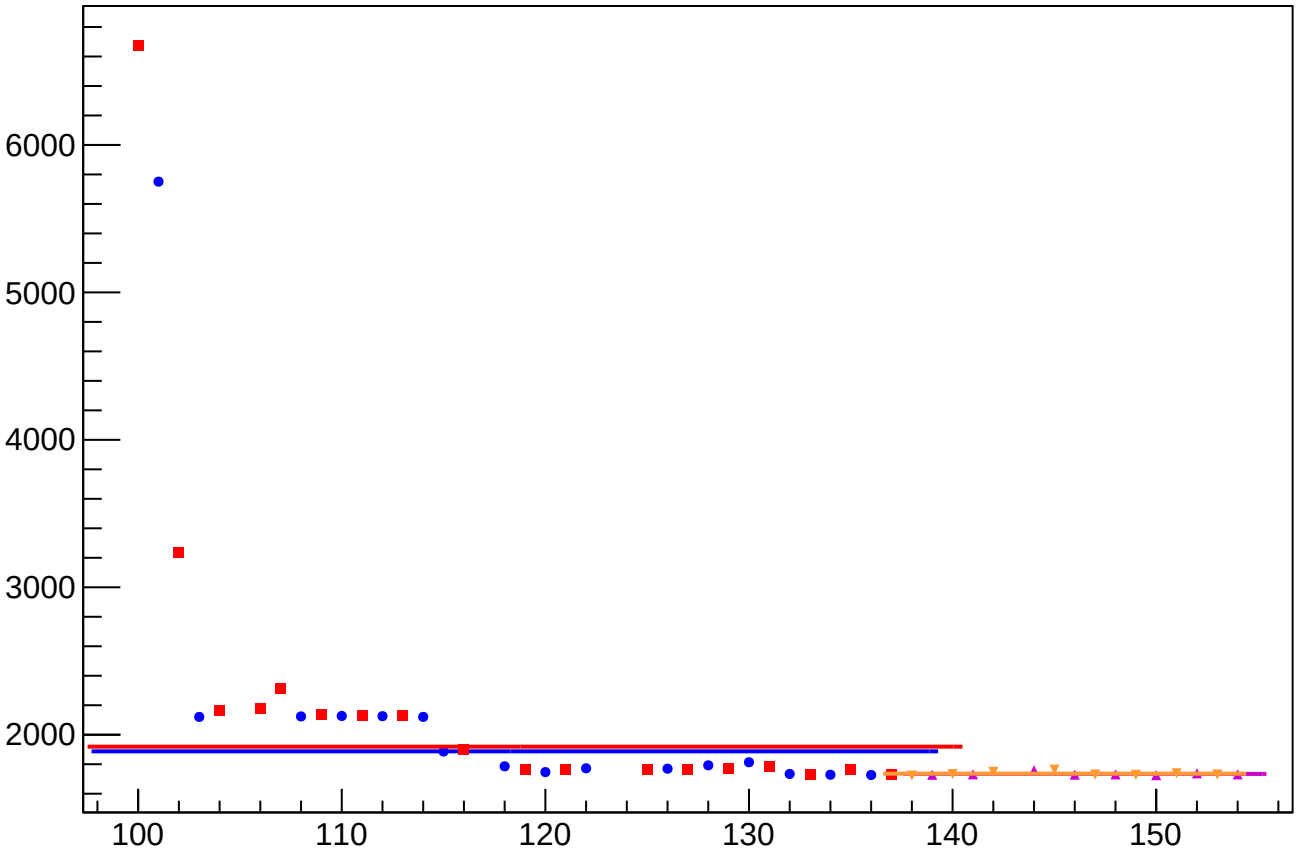
Left: -722.569+/-476.949 χ^2/NDF: 18.8/15

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

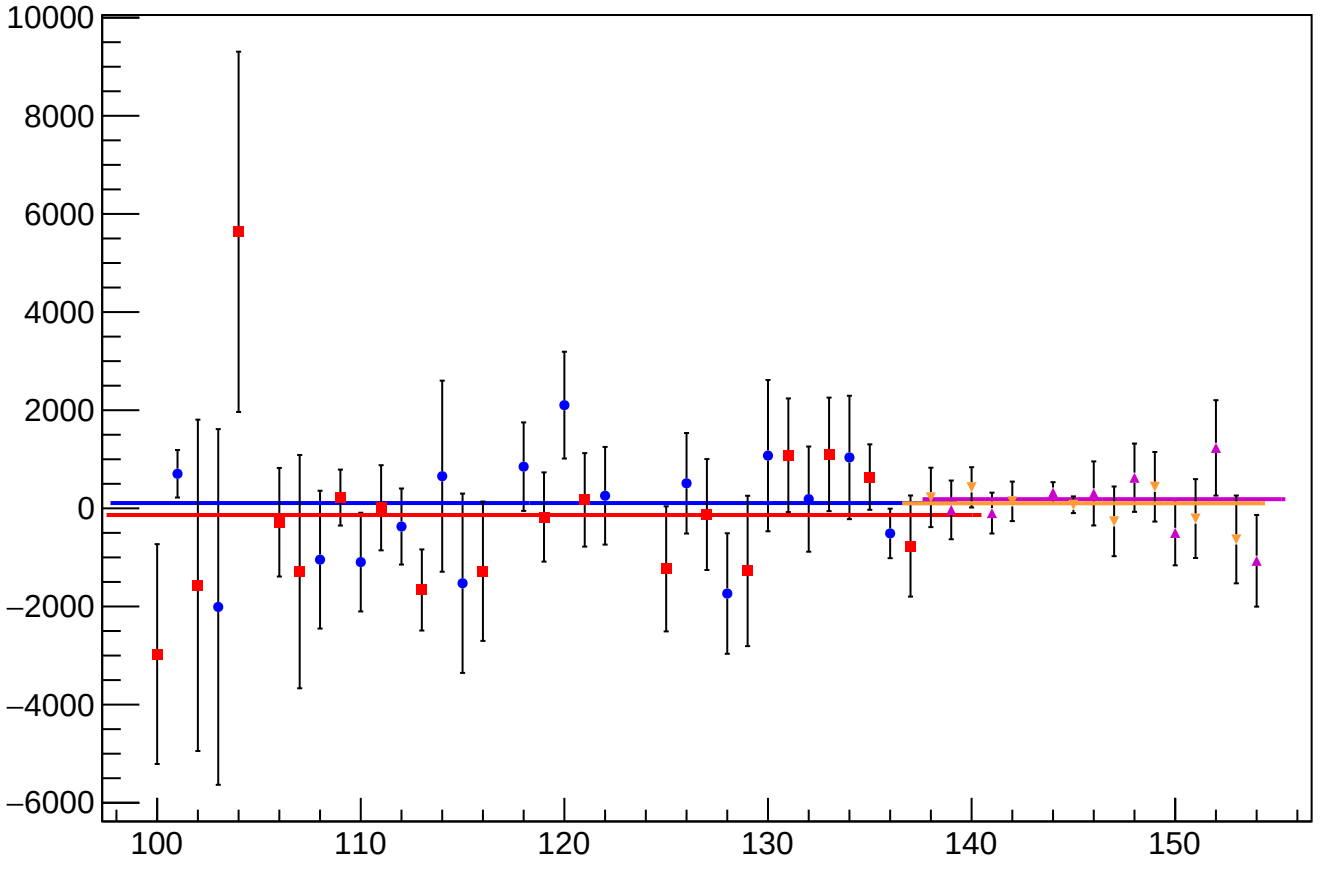
In: -266.274+/-483.861 χ^2/NDF:28.7/23

Out: -325.811+/-502.532 χ^2/NDF:28.3/25

All: -294.916+/-348.555 χ^2/NDF: 57.0/49


eigen_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: 689442.4/15
Left Out: 1735.838+/-0.492 χ²/NDF:598.7/7
Right Out: 1919.164+/-0.513 χ²/NDF: 352566.4/17
Left In: 1734.237+/-0.463 χ²/NDF:454.4/7
Left: 1734.987+/-0.337 χ²/NDF: 1058.7/15
Right: 1903.077+/-0.361 χ²/NDF: 1043954.3/33
In: 1803.646+/-0.342 χ²/NDF:739504.1/23
Out: 1823.724+/-0.355 χ²/NDF:419593.7/25
All: 1813.305+/-0.246 χ²/NDF: 1160754.4/49

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: 187.015+/-158.808 χ^2/NDF:5.5/7

Left: 137.975+/-102.205 χ^2/NDF: 7.7/15

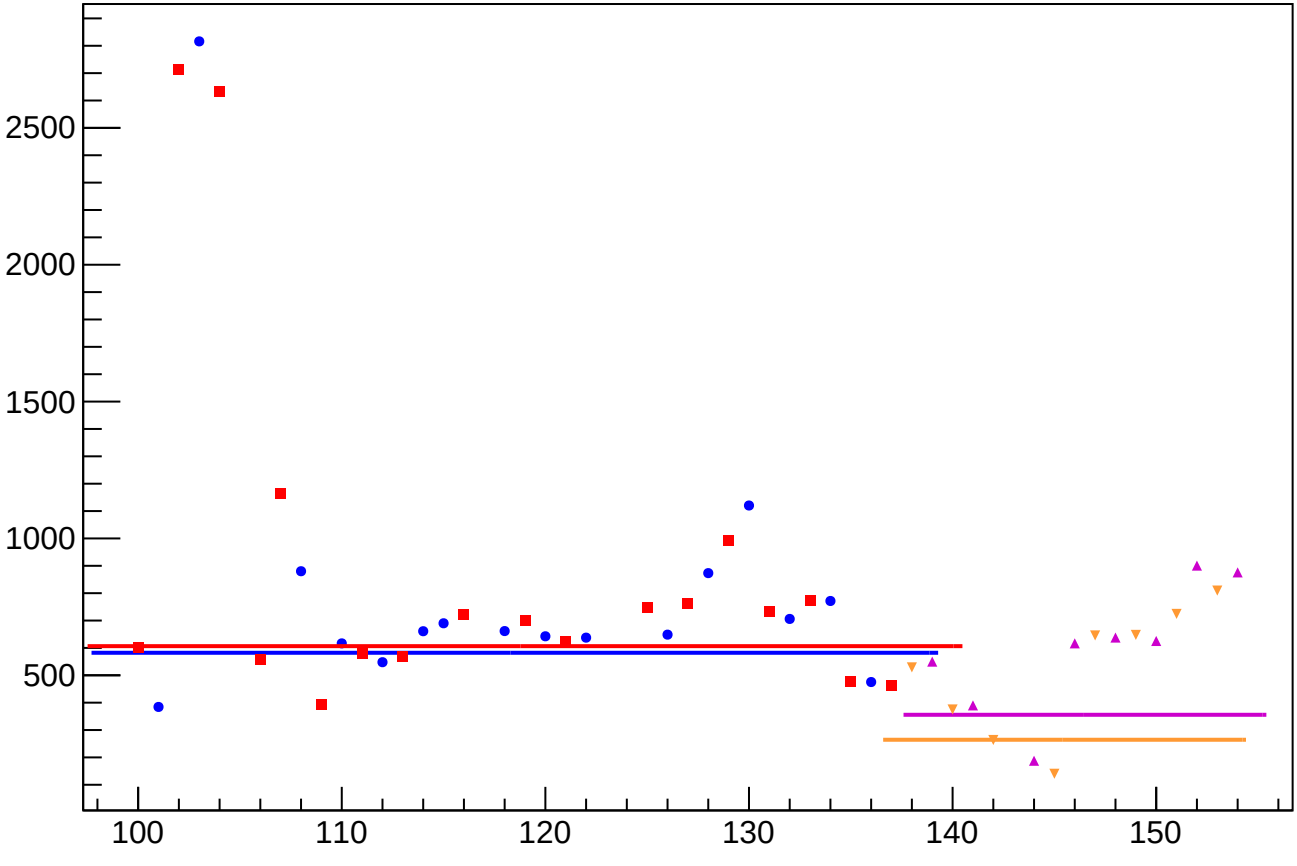
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 161.802+/-130.994 χ^2/NDF:19.7/23

Out: 48.961+/-117.352 χ^2/NDF:17.1/25

All: 99.202+/-87.407 χ^2/NDF: 37.2/49

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: 355.680+/-0.112 χ^2/NDF:3704633.5/7

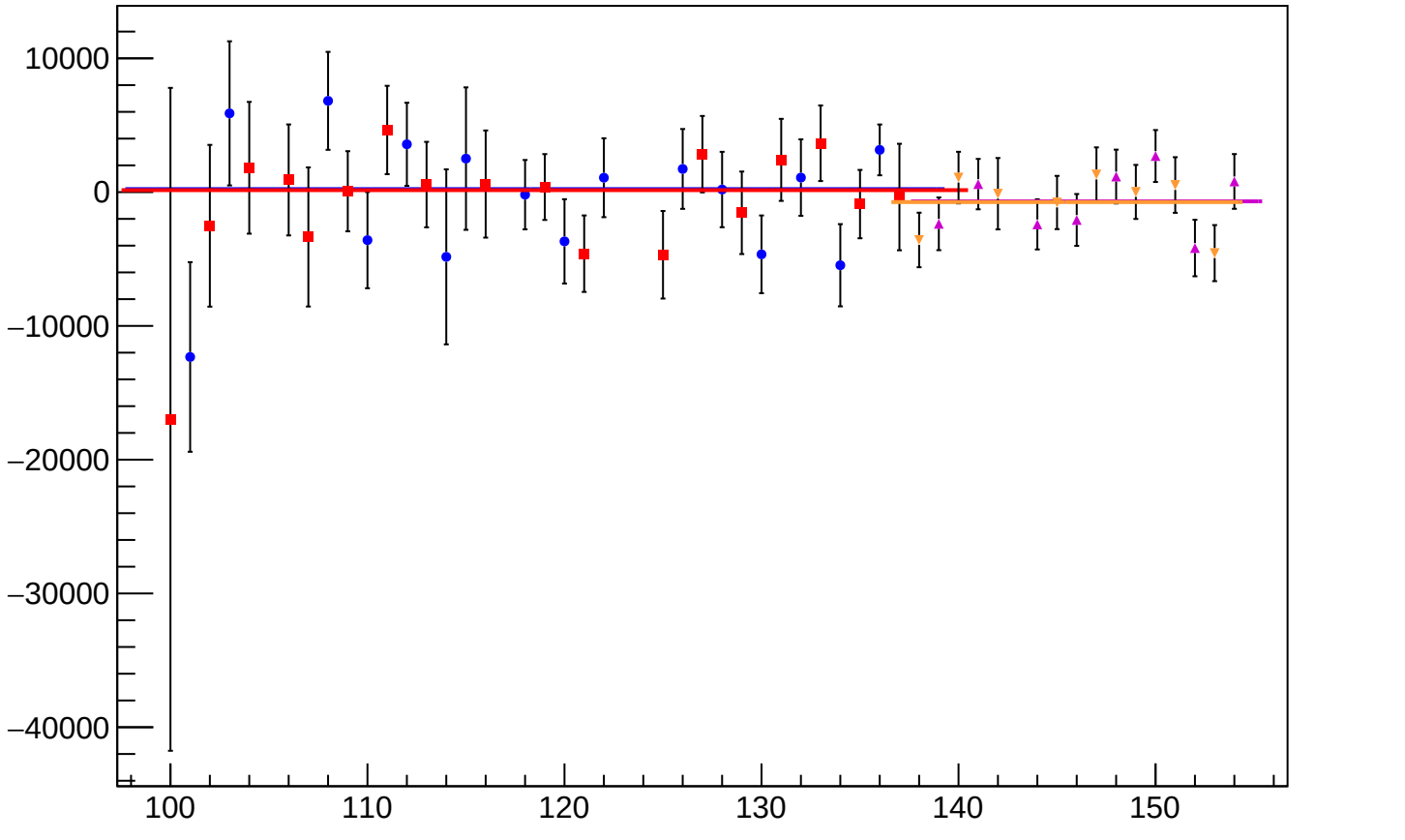
Left: 302.254+/-0.072 χ^2/NDF: 8239462.2/15

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 428.099+/-0.093 χ^2/NDF:6760215.4/23

Out: 342.344+/-0.083 χ^2/NDF:9333314.9/25

All: 380.525+/-0.062 χ^2/NDF: 16569036.1/49



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: -689.991+/-695.660 χ^2/NDF:9.7/7

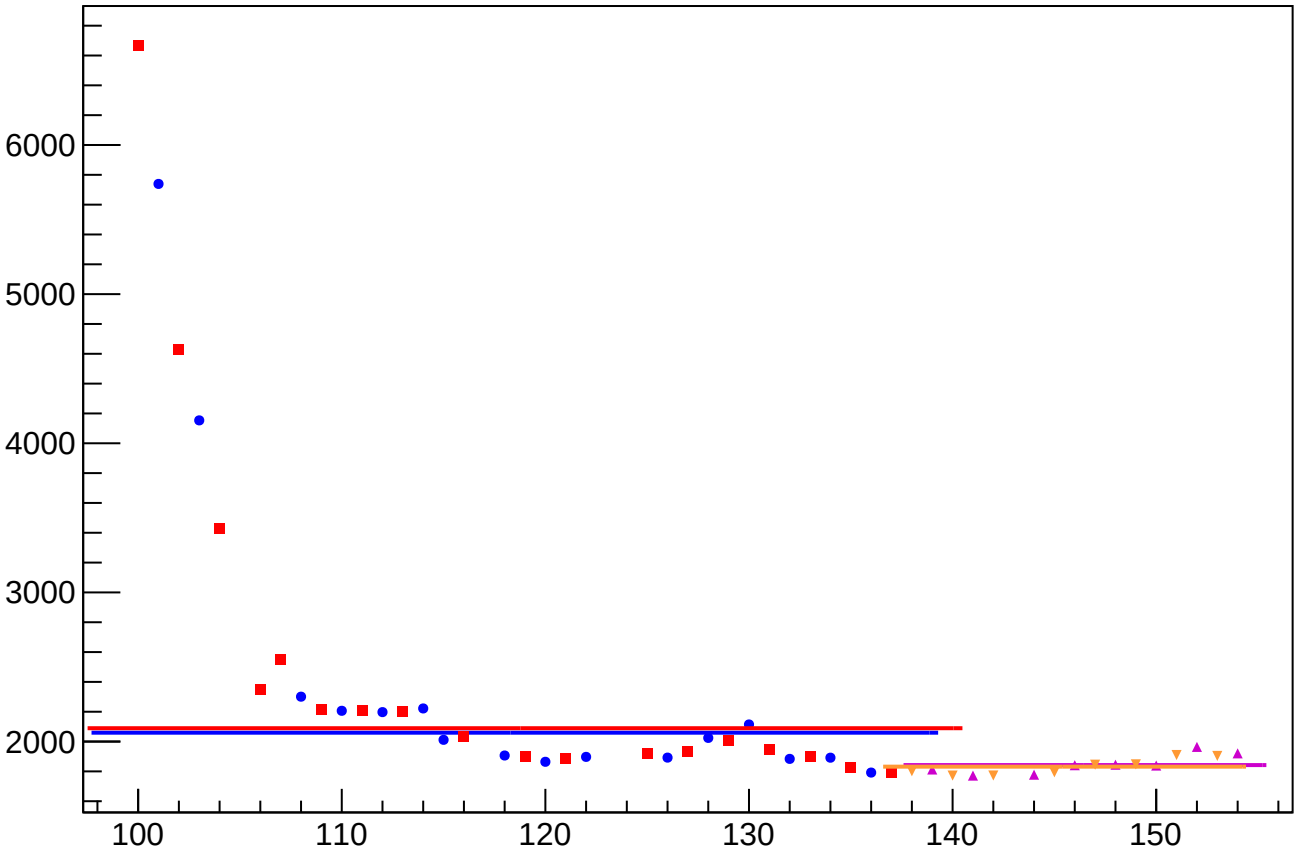
Left: -714.871+/-505.347 χ^2/NDF: 17.5/15

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -291.528+/-522.574 χ^2/NDF:31.6/23

Out: -331.568+/-539.562 χ^2/NDF:20.0/25

All: -310.907+/-375.378 χ^2/NDF: 51.6/49



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: 1842.247+/-0.492 χ^2/NDF:15268.0/7

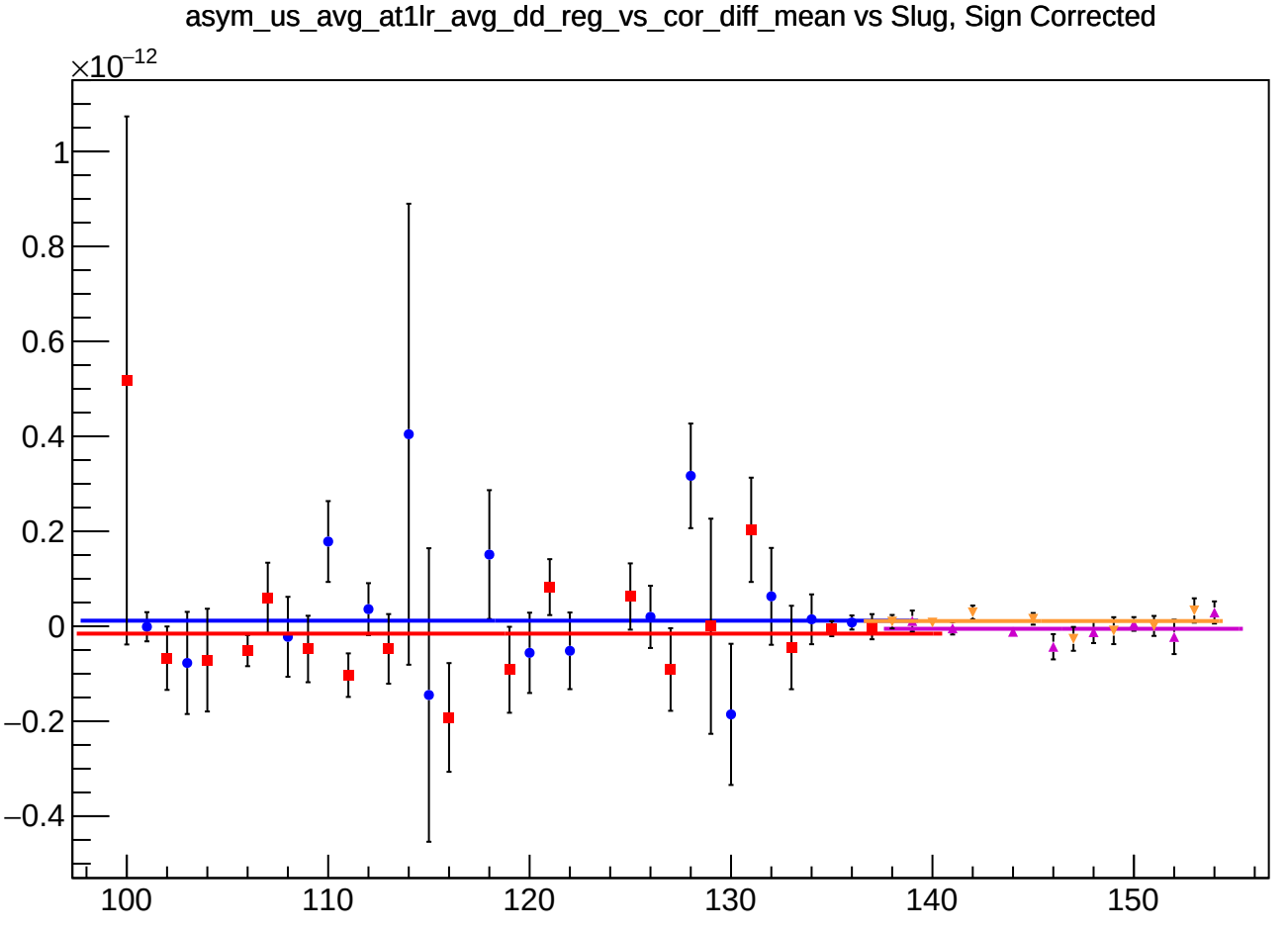
Left: 1837.299+/-0.357 χ^2/NDF: 24953.2/15

Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

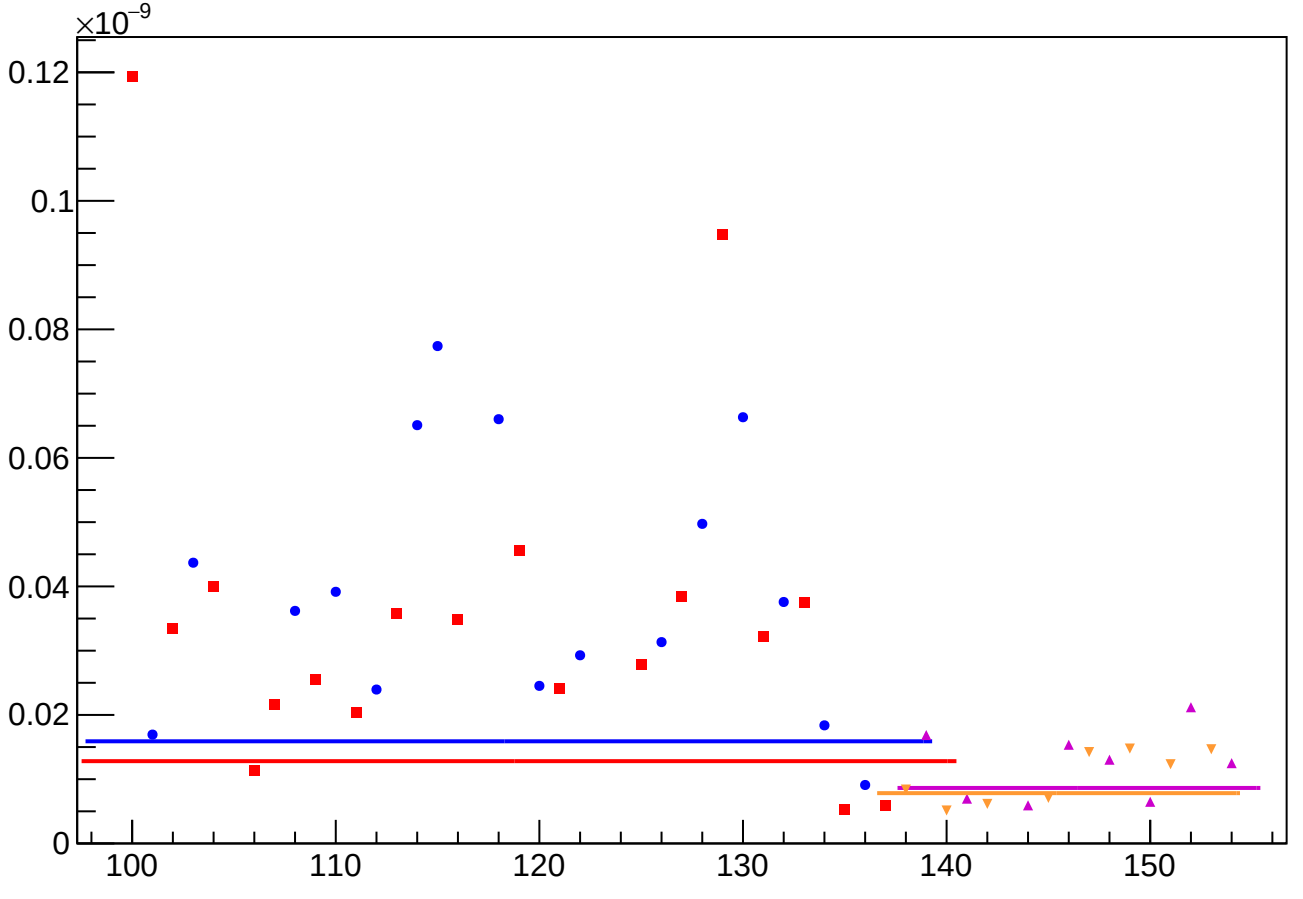
In: 1936.905+/-0.370 χ^2/NDF:1040127.9/23

Out: 1950.722+/-0.382 χ^2/NDF:804324.9/25

All: 1943.593+/-0.265 χ^2/NDF: 1845129.5/49


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:6.0/7
Left: 0.000+/-0.000 χ²/NDF: 15.9/15
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:25.8/23
Out: 0.000+/-0.000 χ²/NDF:31.2/25
All: 0.000+/-0.000 χ²/NDF: 58.1/49

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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:1026694.4/7

Left: 0.000+/-0.000 χ^2/NDF: 1724778.3/15

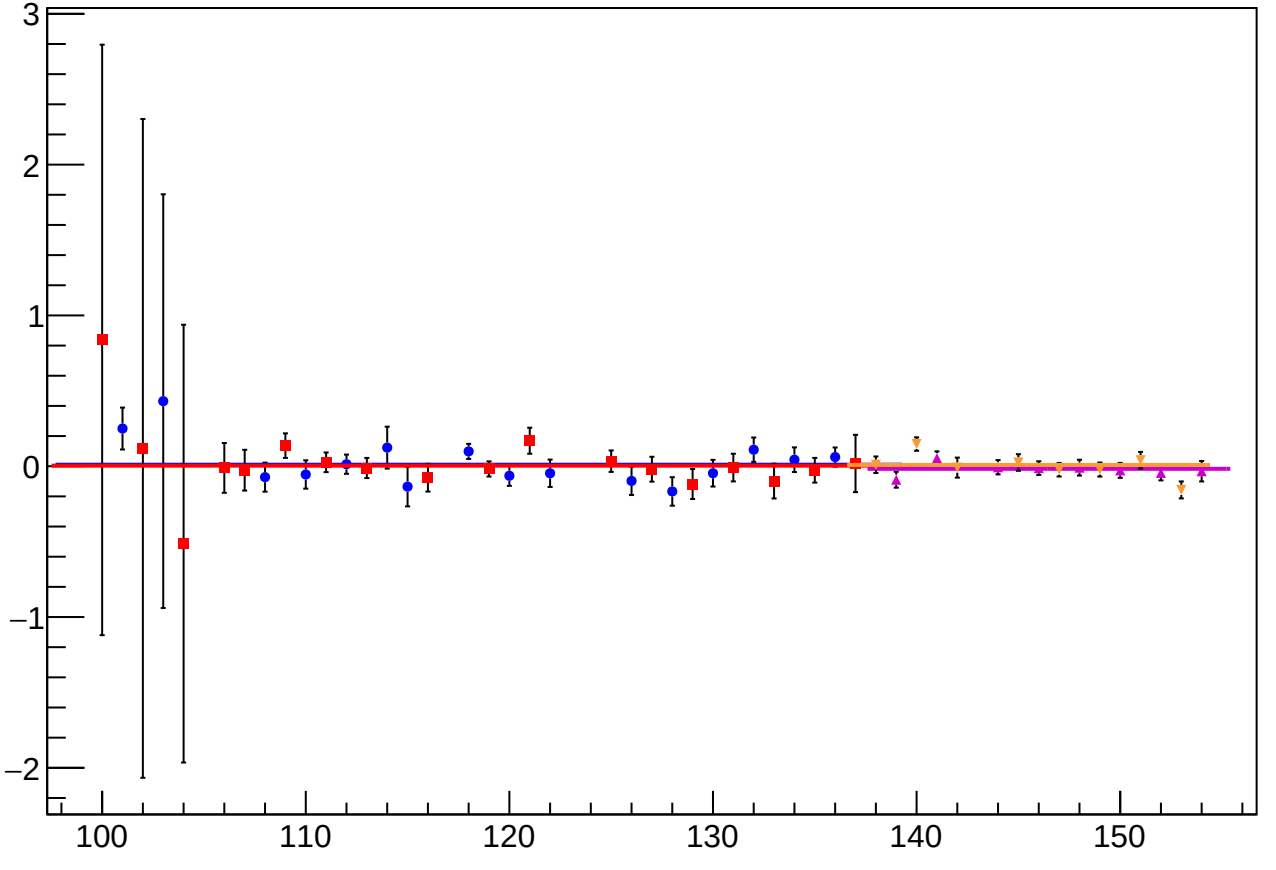
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:3593462.1/23

Out: 0.000+/-0.000 χ^2/NDF:3508512.6/25

All: 0.000+/-0.000 χ^2/NDF: 7161172.4/49

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: -0.017+/-0.018 χ^2/NDF:4.8/7

Left: -0.005+/-0.013 χ^2/NDF: 25.5/15

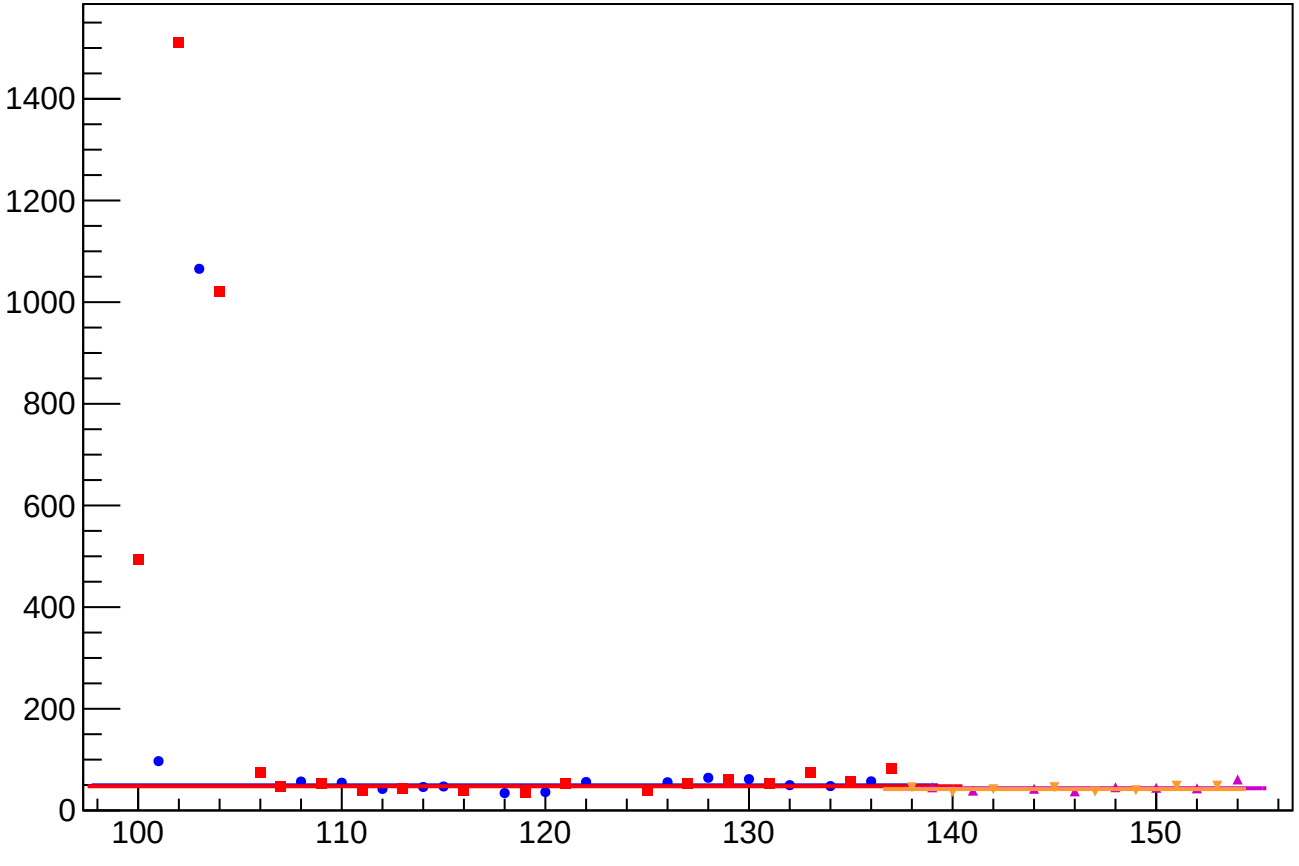
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.006+/-0.014 χ^2/NDF:24.2/23

Out: 0.007+/-0.014 χ^2/NDF:30.2/25

All: 0.000+/-0.010 χ^2/NDF: 54.8/49

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: 43.659+/-0.013 χ^2/NDF:195768.2/7

Left: 42.874+/-0.009 χ^2/NDF: 336981.2/15

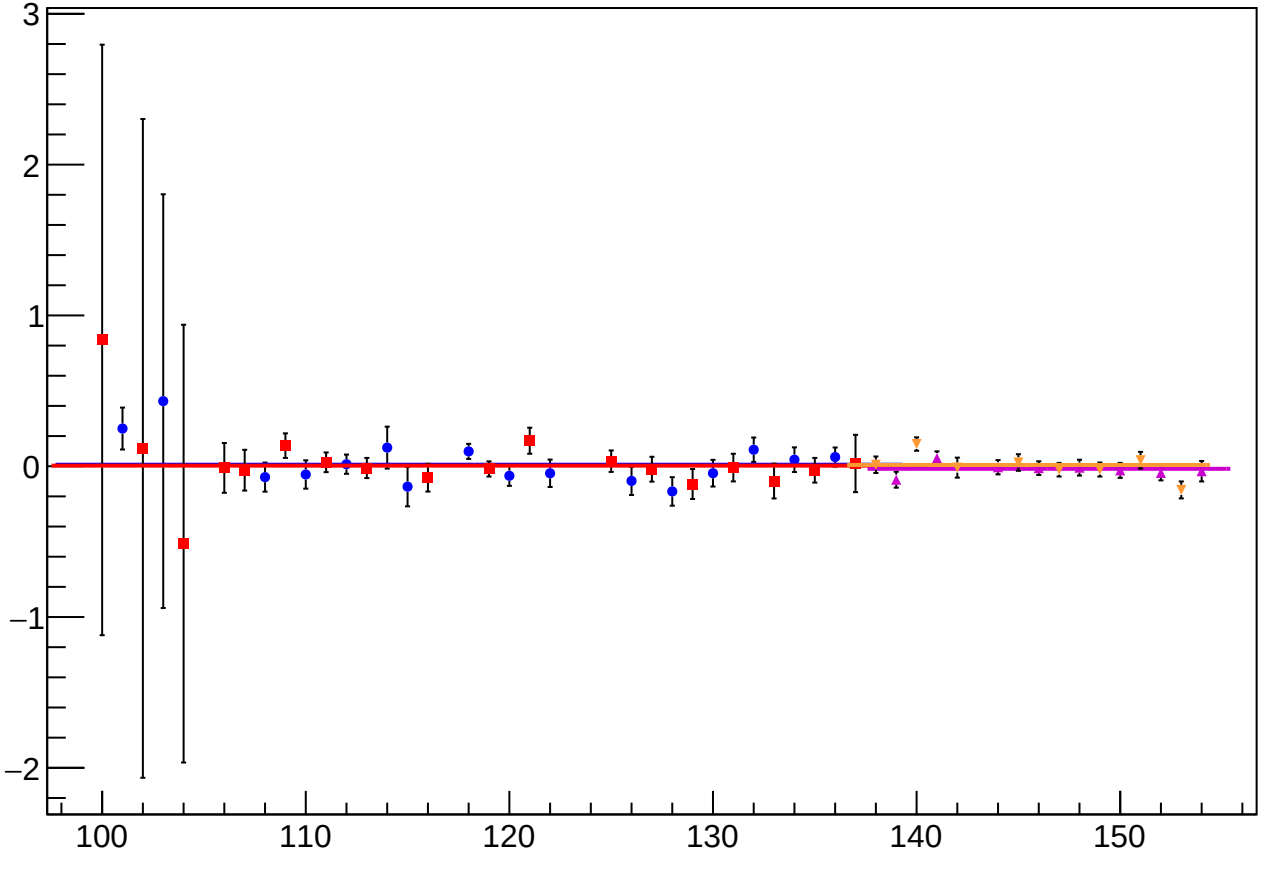
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.031+/-0.010 χ^2/NDF:2058078.2/23

Out: 44.377+/-0.010 χ^2/NDF:2628956.7/25

All: 45.227+/-0.007 χ^2/NDF: 4701521.1/49

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: -0.017+/-0.018 χ^2/NDF:4.8/7

Left: -0.005+/-0.013 χ^2/NDF: 25.5/15

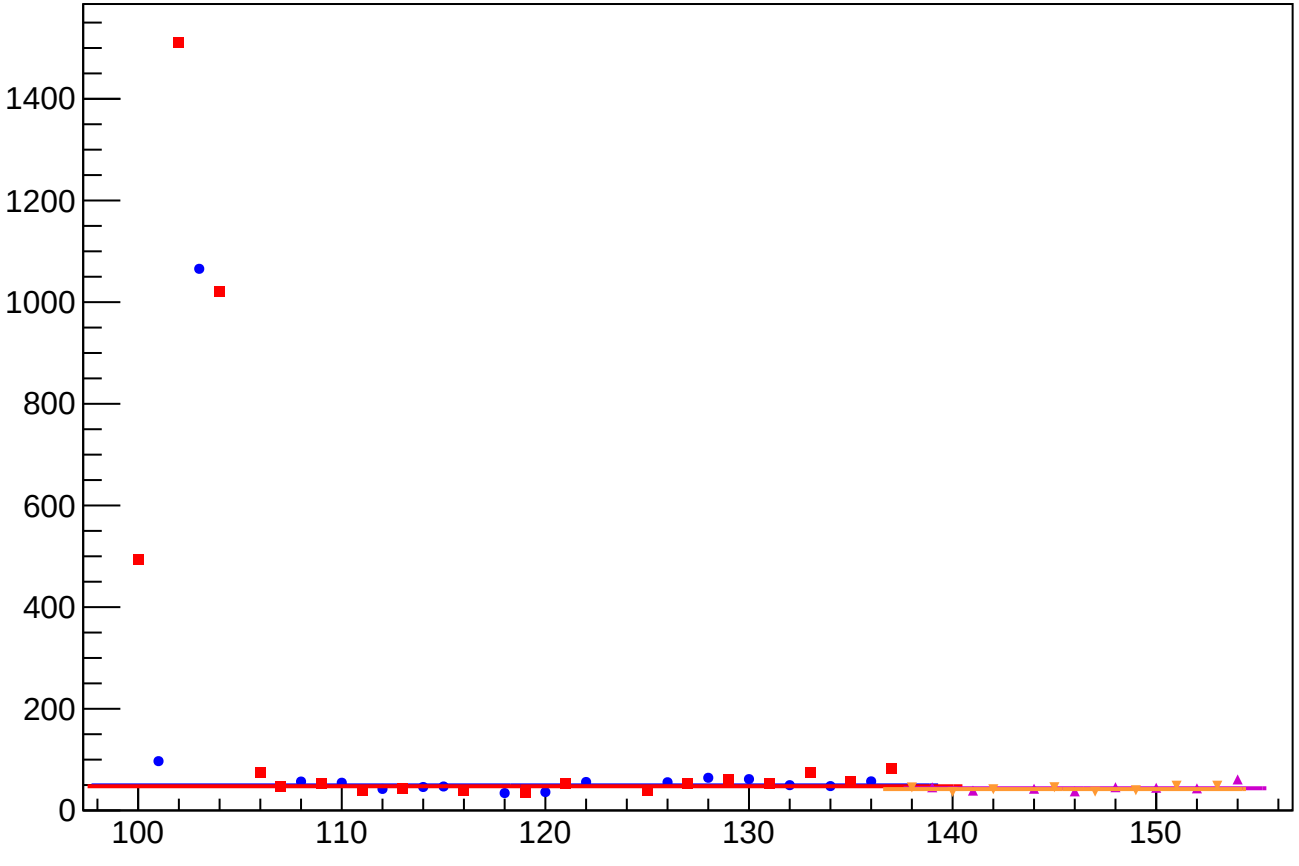
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.006+/-0.014 χ^2/NDF:24.2/23

Out: 0.007+/-0.014 χ^2/NDF:30.2/25

All: 0.000+/-0.010 χ^2/NDF: 54.8/49

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: 43.659+/-0.013 χ^2/NDF:195768.2/7

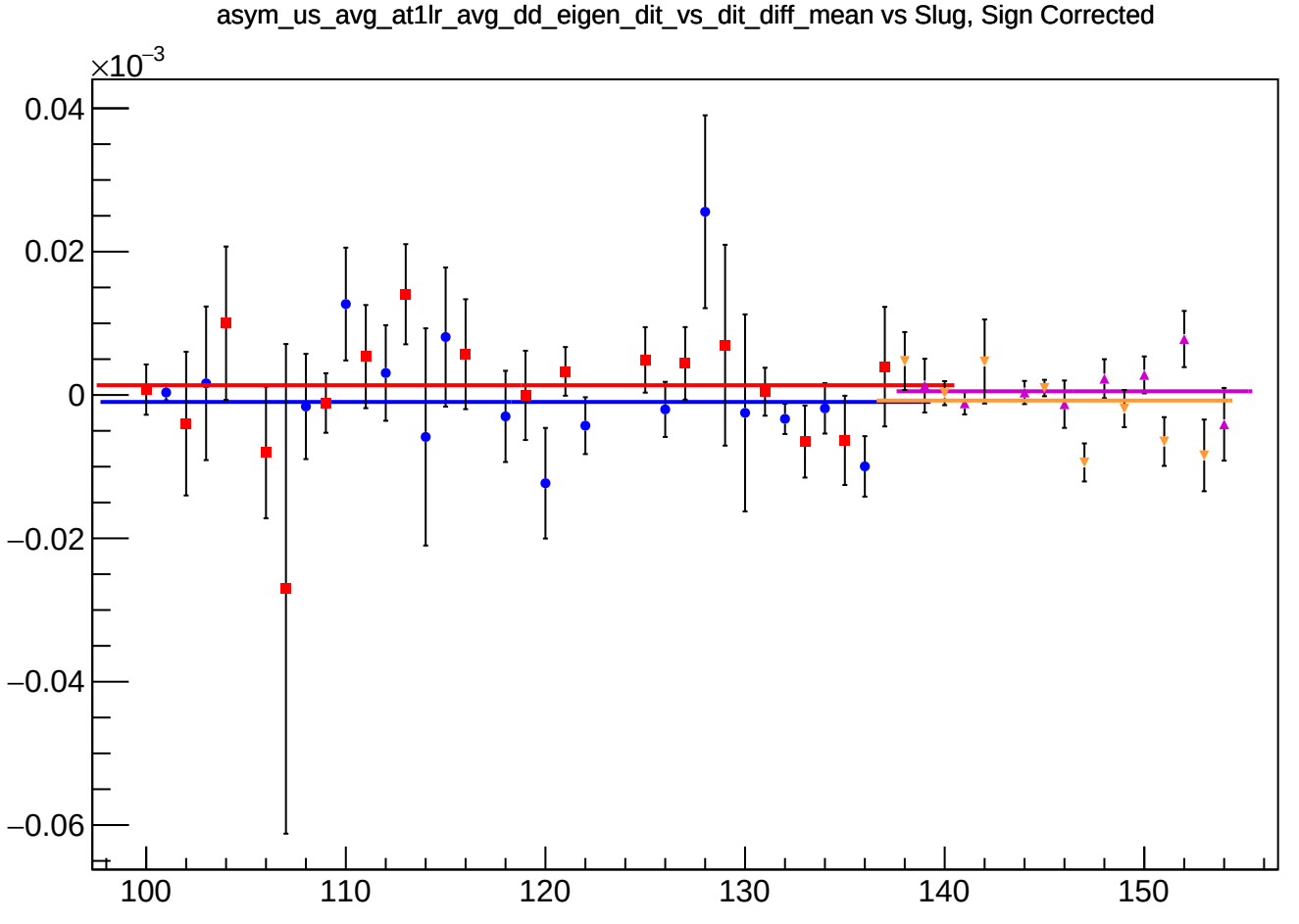
Left: 42.874+/-0.009 χ^2/NDF: 336981.2/15

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.031+/-0.010 χ^2/NDF:2058078.2/23

Out: 44.377+/-0.010 χ^2/NDF:2628956.7/25

All: 45.227+/-0.007 χ^2/NDF: 4701521.1/49



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:7.0/7

Left: -0.000+/-0.000 χ^2/NDF: 29.6/15

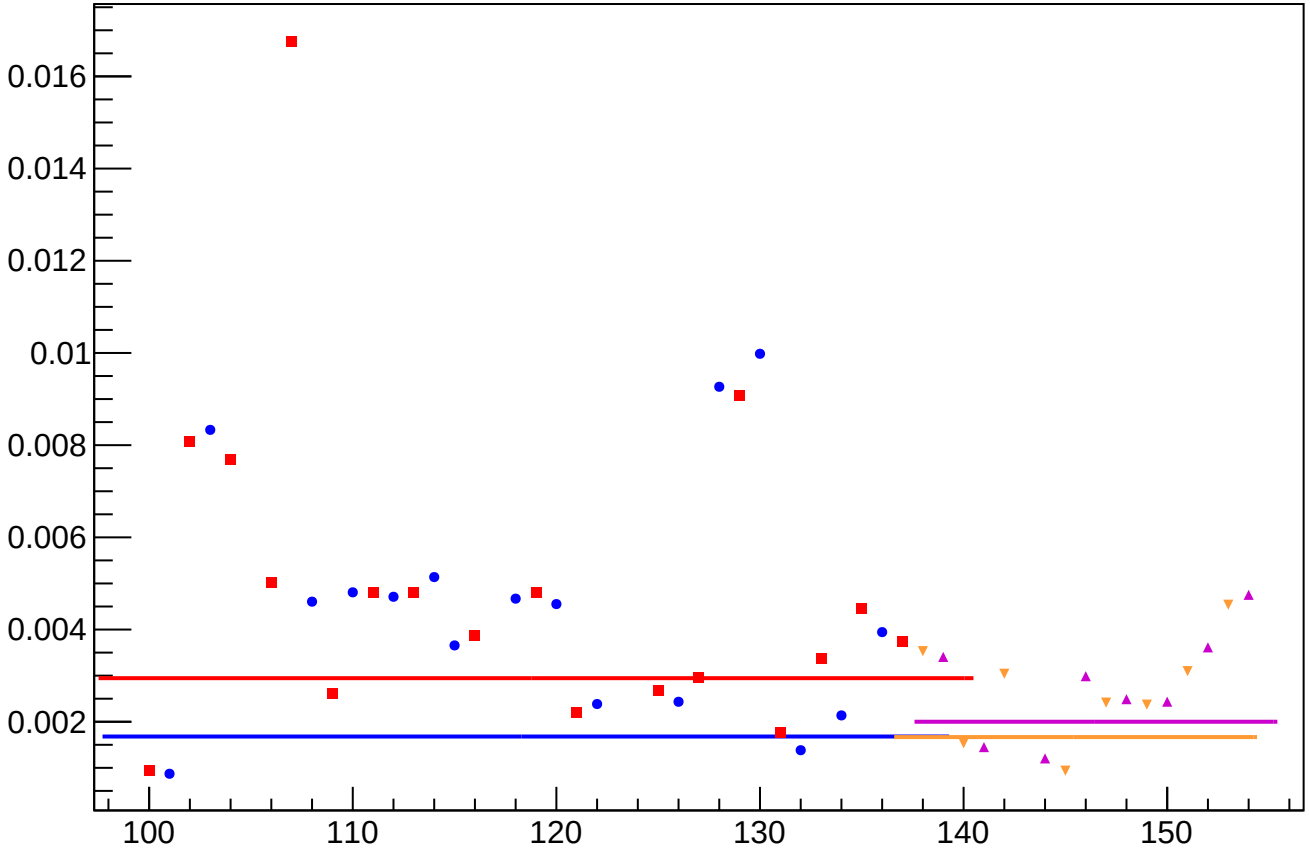
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:27.2/23

Out: -0.000+/-0.000 χ^2/NDF:36.0/25

All: -0.000+/-0.000 χ^2/NDF: 63.2/49

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:2676121.8/7

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:2247813.7/7

Left: 0.002+/-0.000 χ^2/NDF: 5087526.7/15

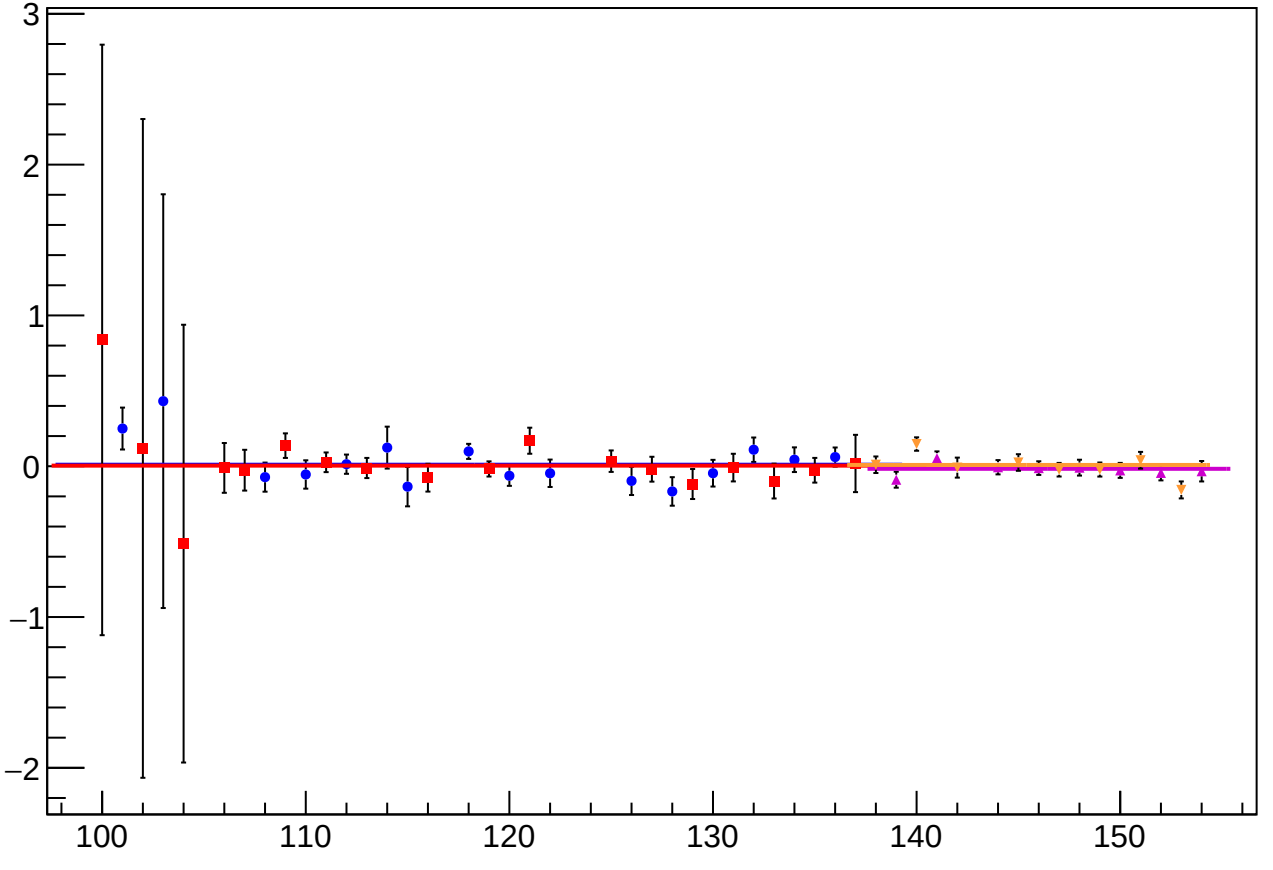
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:8352020.8/23

Out: 0.002+/-0.000 χ^2/NDF:7489126.1/25

All: 0.002+/-0.000 χ^2/NDF: 15920086.8/49

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: -0.017+/-0.018 χ^2/NDF:4.8/7

Left: -0.005+/-0.013 χ^2/NDF: 25.5/15

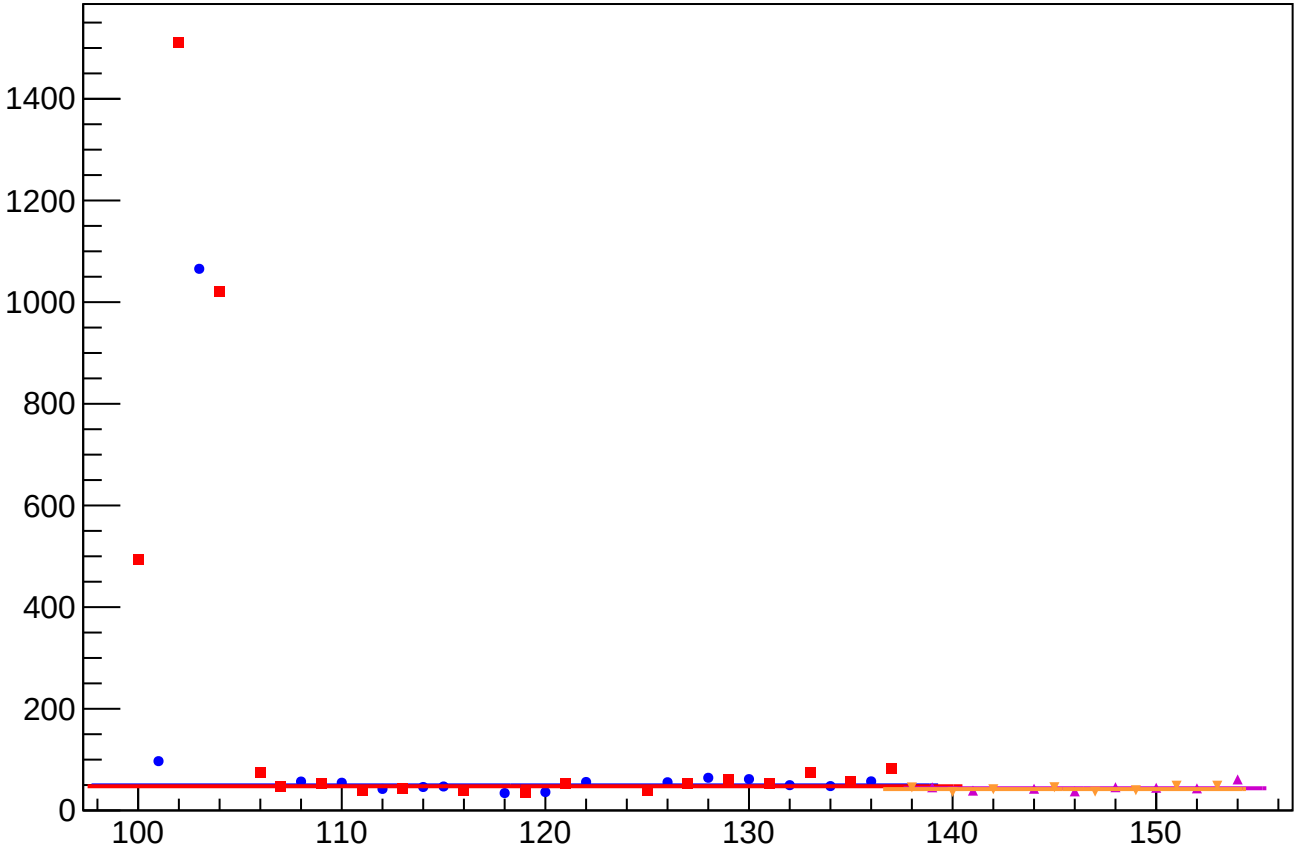
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.006+/-0.014 χ^2/NDF:24.2/23

Out: 0.007+/-0.014 χ^2/NDF:30.2/25

All: 0.000+/-0.010 χ^2/NDF: 54.8/49

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: 43.659+/-0.013 χ^2/NDF:195814.5/7

Left: 42.873+/-0.009 χ^2/NDF: 337034.6/15

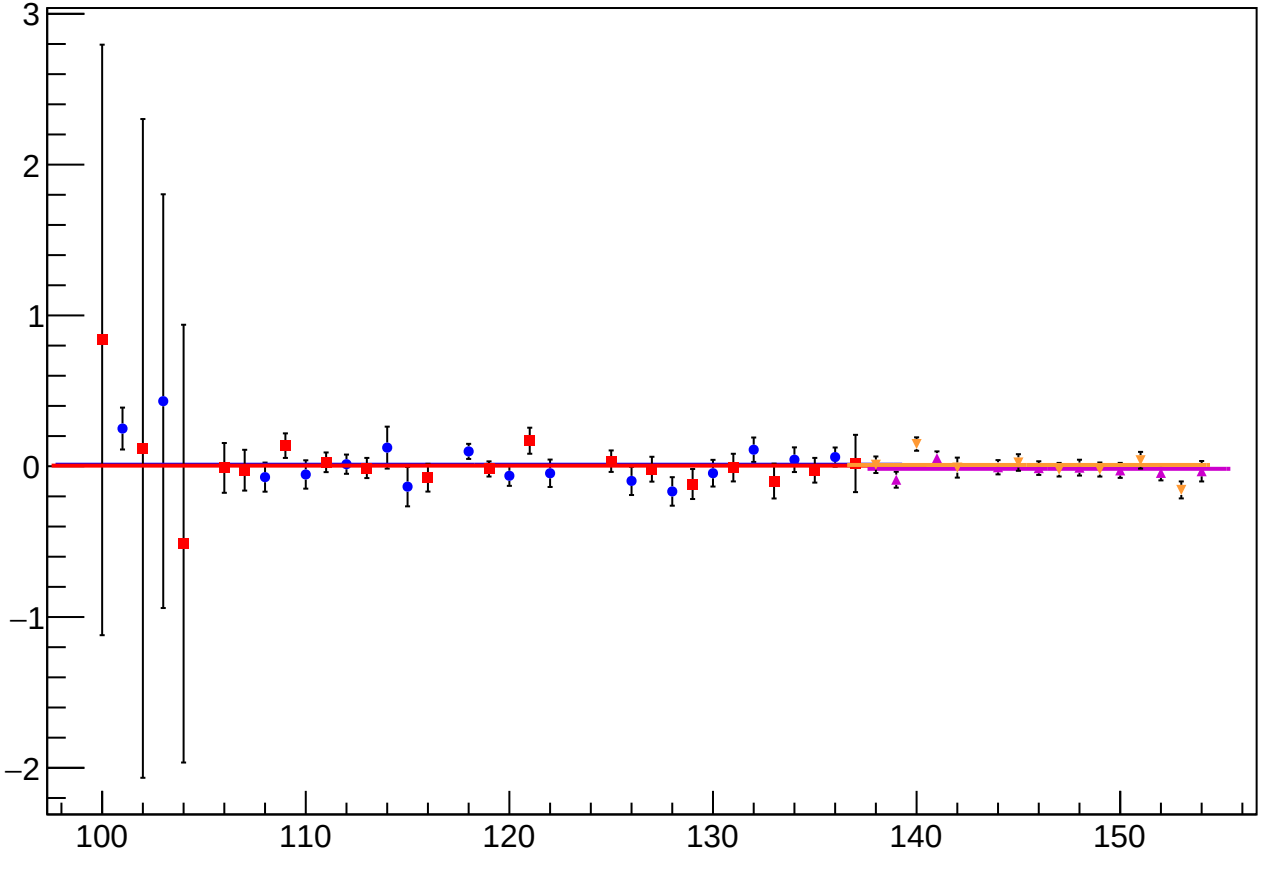
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.031+/-0.010 χ^2/NDF:2058080.3/23

Out: 44.377+/-0.010 χ^2/NDF:2628974.3/25

All: 45.227+/-0.007 χ^2/NDF: 4701539.5/49

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: -0.017+/-0.018 χ^2/NDF:4.8/7

Left: -0.005+/-0.013 χ^2/NDF: 25.5/15

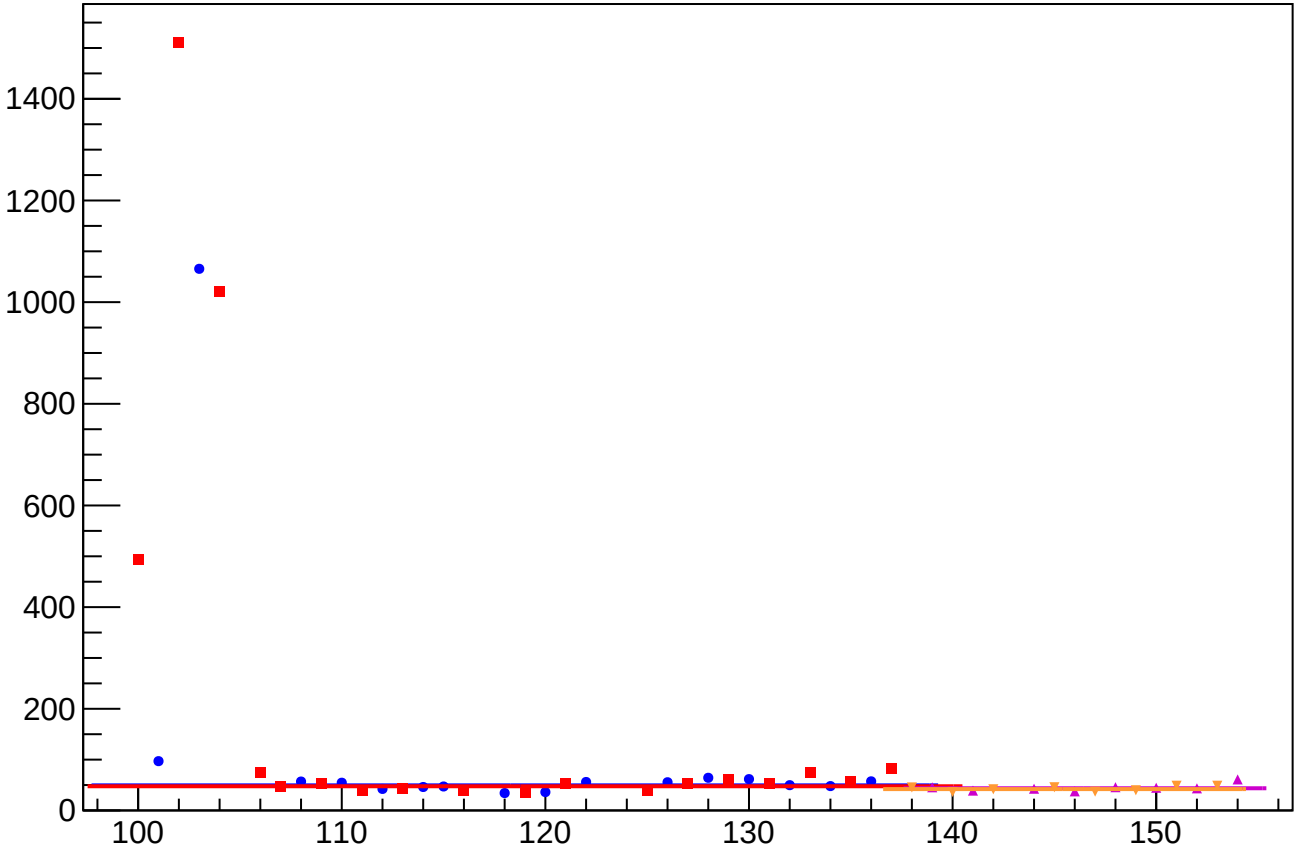
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.006+/-0.014 χ^2/NDF:24.2/23

Out: 0.007+/-0.014 χ^2/NDF:30.2/25

All: 0.000+/-0.010 χ^2/NDF: 54.8/49

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: 43.659+/-0.013 χ^2/NDF:195814.5/7

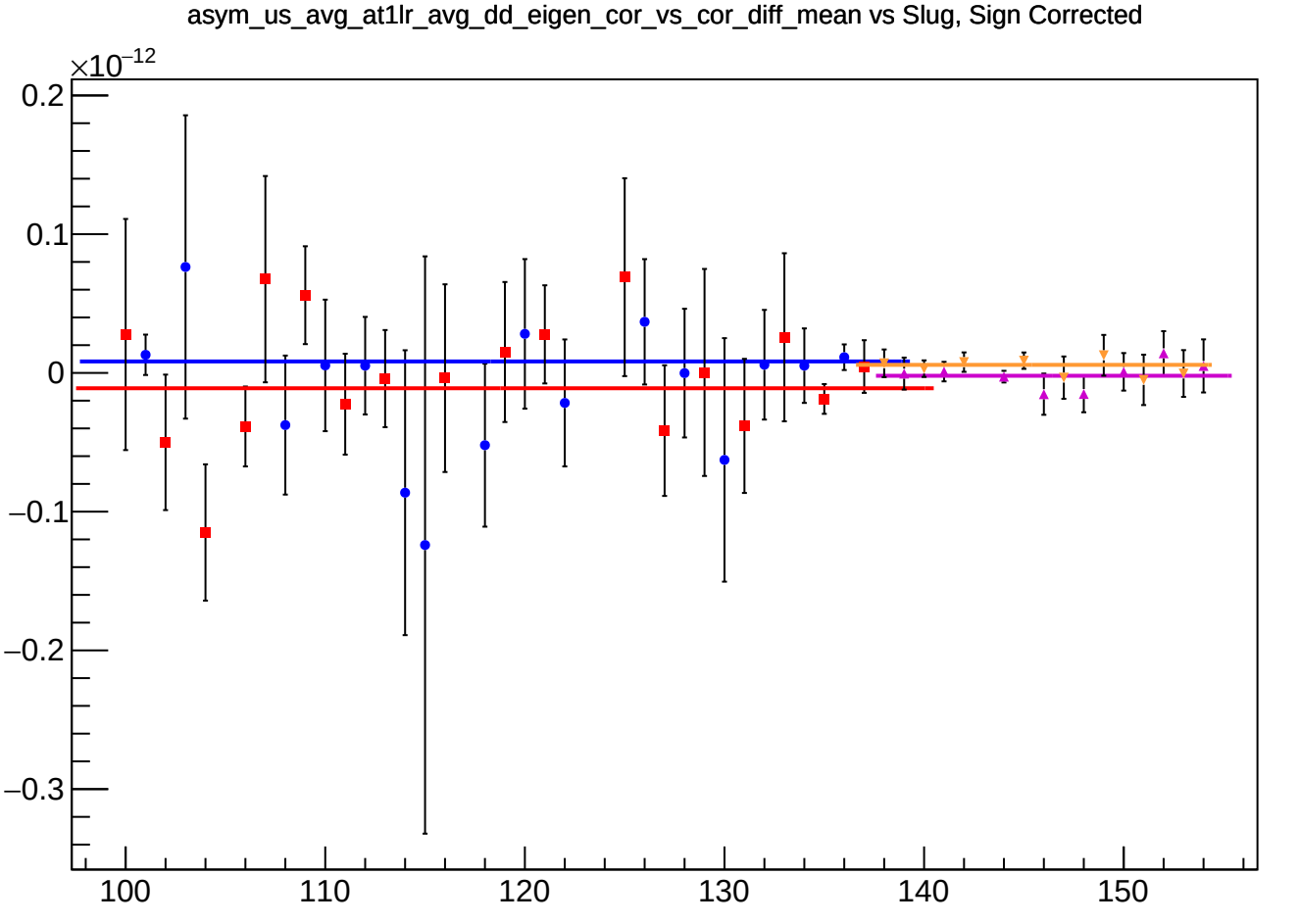
Left: 42.873+/-0.009 χ^2/NDF: 337034.6/15

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

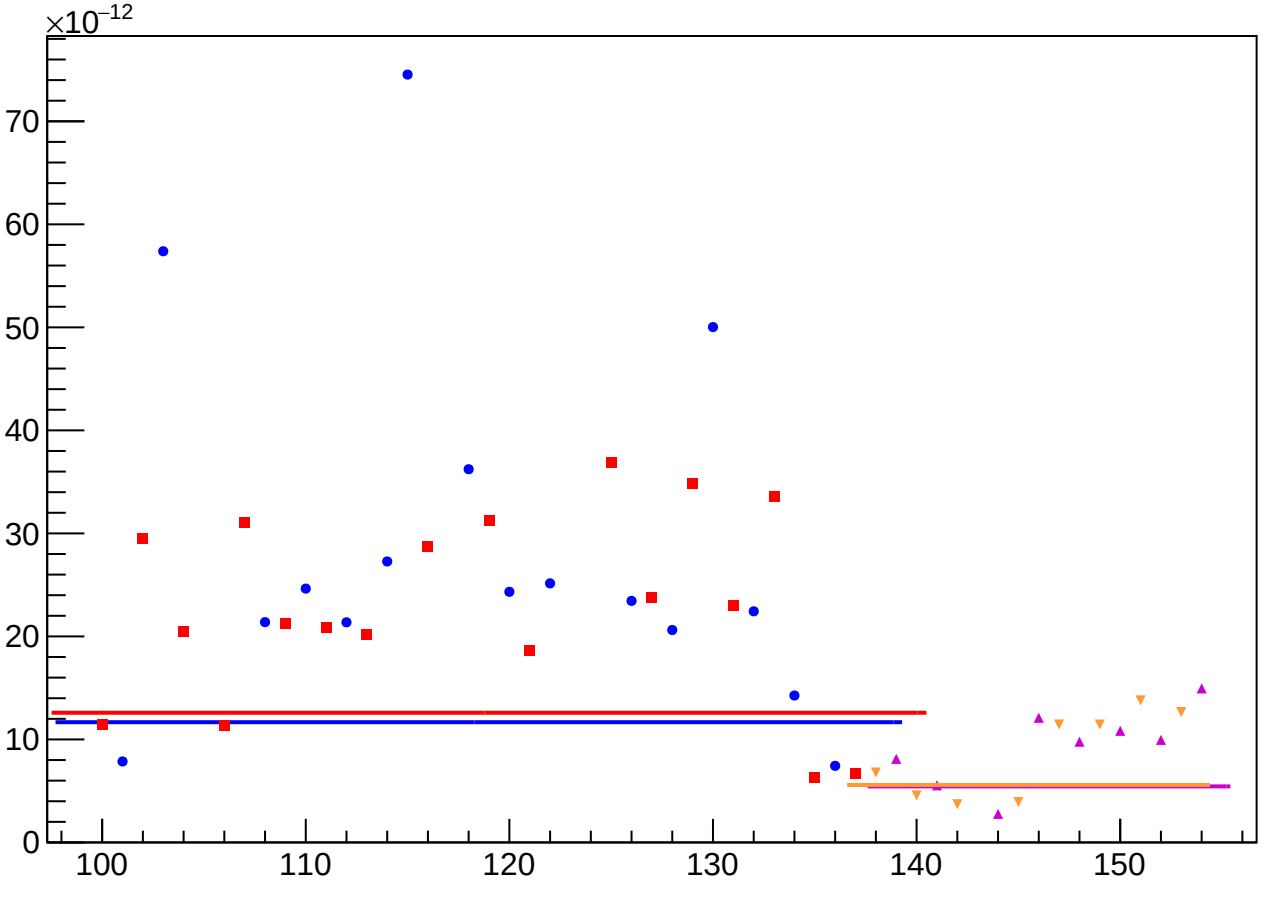
In: 46.031+/-0.010 χ^2/NDF:2058080.3/23

Out: 44.377+/-0.010 χ^2/NDF:2628974.3/25

All: 45.227+/-0.007 χ^2/NDF: 4701539.5/49


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1.6/7
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:3.2/7
Left: 0.000+/-0.000 χ²/NDF: 8.1/15
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:10.6/23
Out: 0.000+/-0.000 χ²/NDF:22.4/25
All: 0.000+/-0.000 χ²/NDF: 33.8/49

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1763997.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2504313.4/7

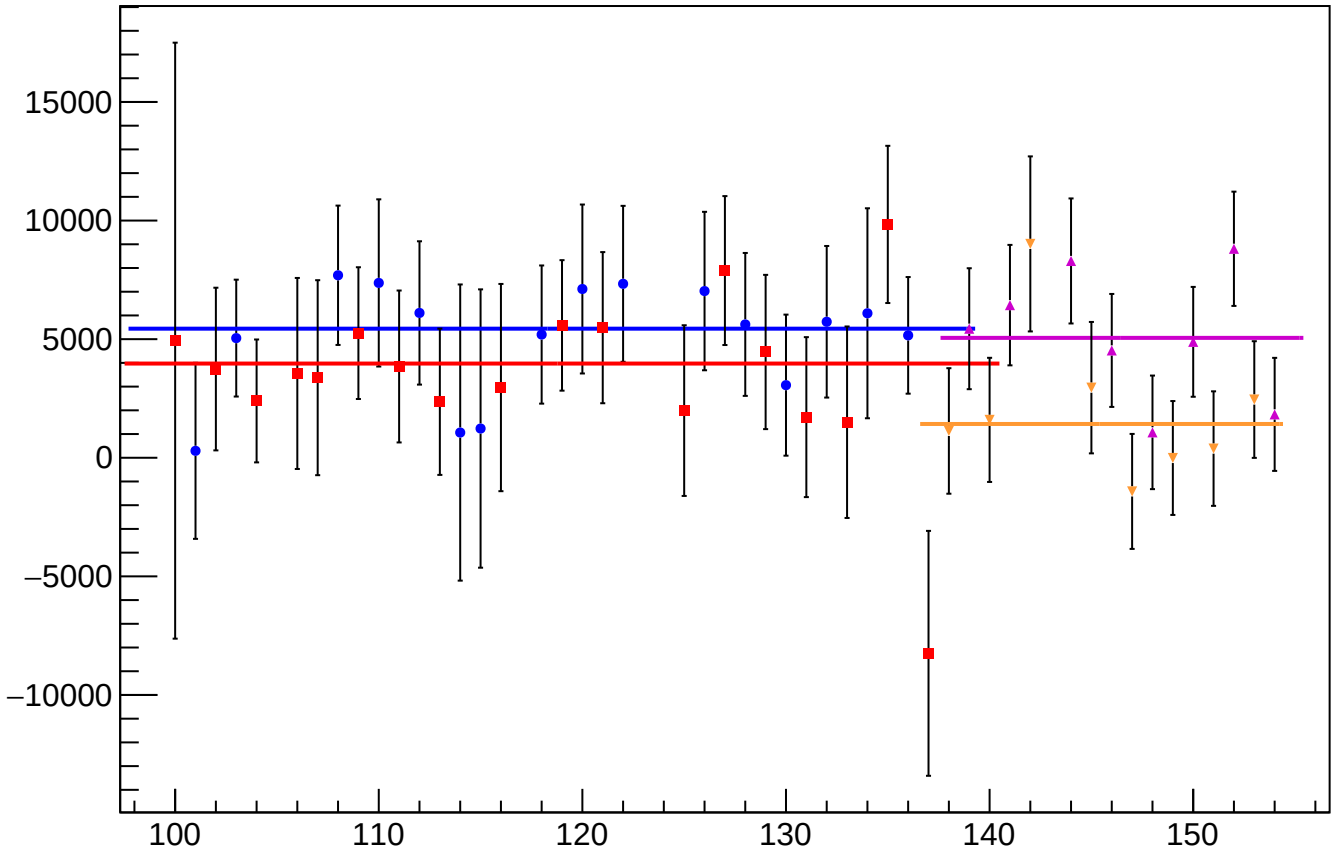
Left: 0.000+/-0.000 χ^2/NDF: 4270374.6/15

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:6852817.3/23

Out: 0.000+/-0.000 χ^2/NDF:6273948.9/25

All: 0.000+/-0.000 χ^2/NDF: 13129800.1/49



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: 5054.634+/-864.297 χ^2/NDF:8.9/7

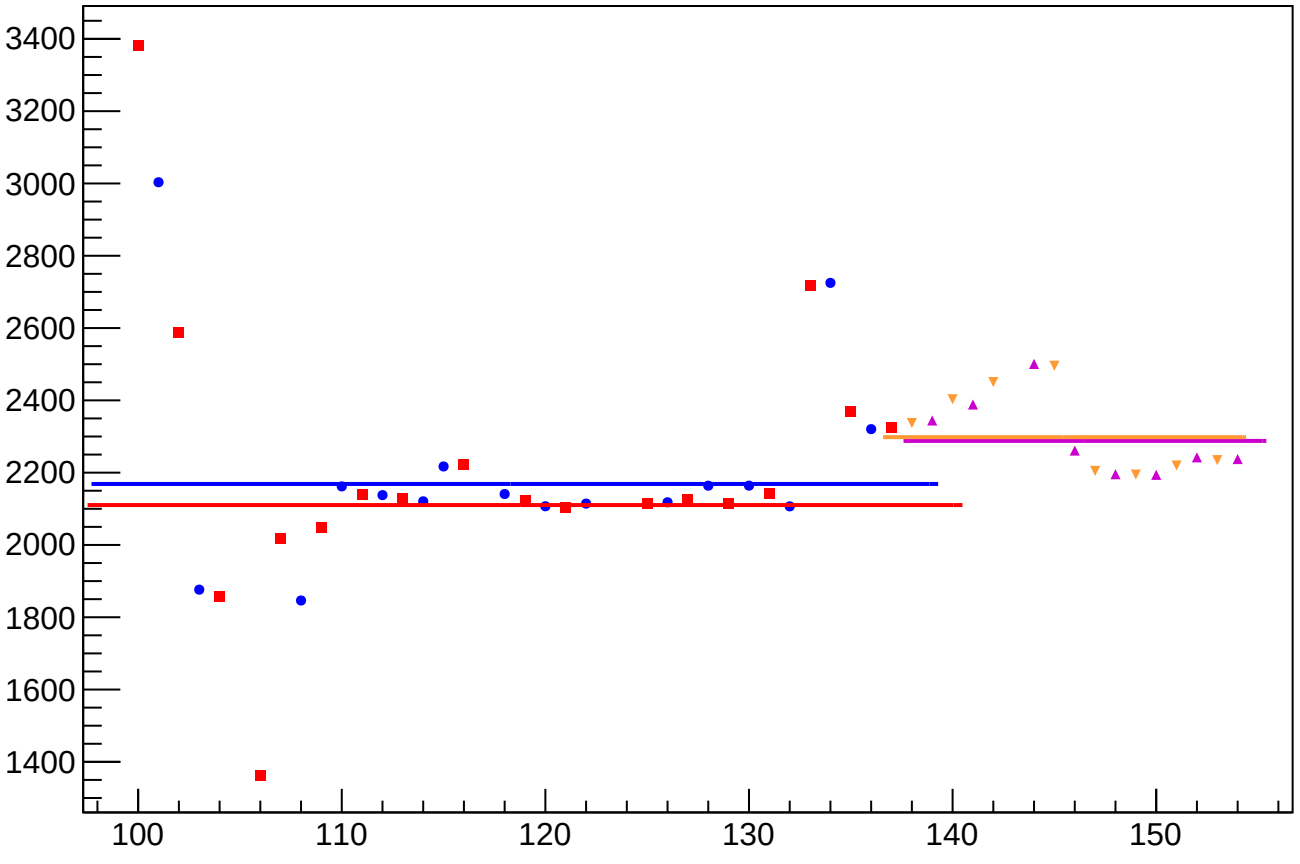
Left: 3359.003+/-630.949 χ^2/NDF: 23.8/15

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5260.442+/-592.002 χ^2/NDF:14.4/23

Out: 2865.228+/-608.455 χ^2/NDF:23.9/25

All: 4095.655+/-424.306 χ^2/NDF: 46.3/49



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: 2287.849+/-0.611 χ^2/NDF:25279.8/7

Left: 2292.684+/-0.446 χ^2/NDF: 52767.1/15

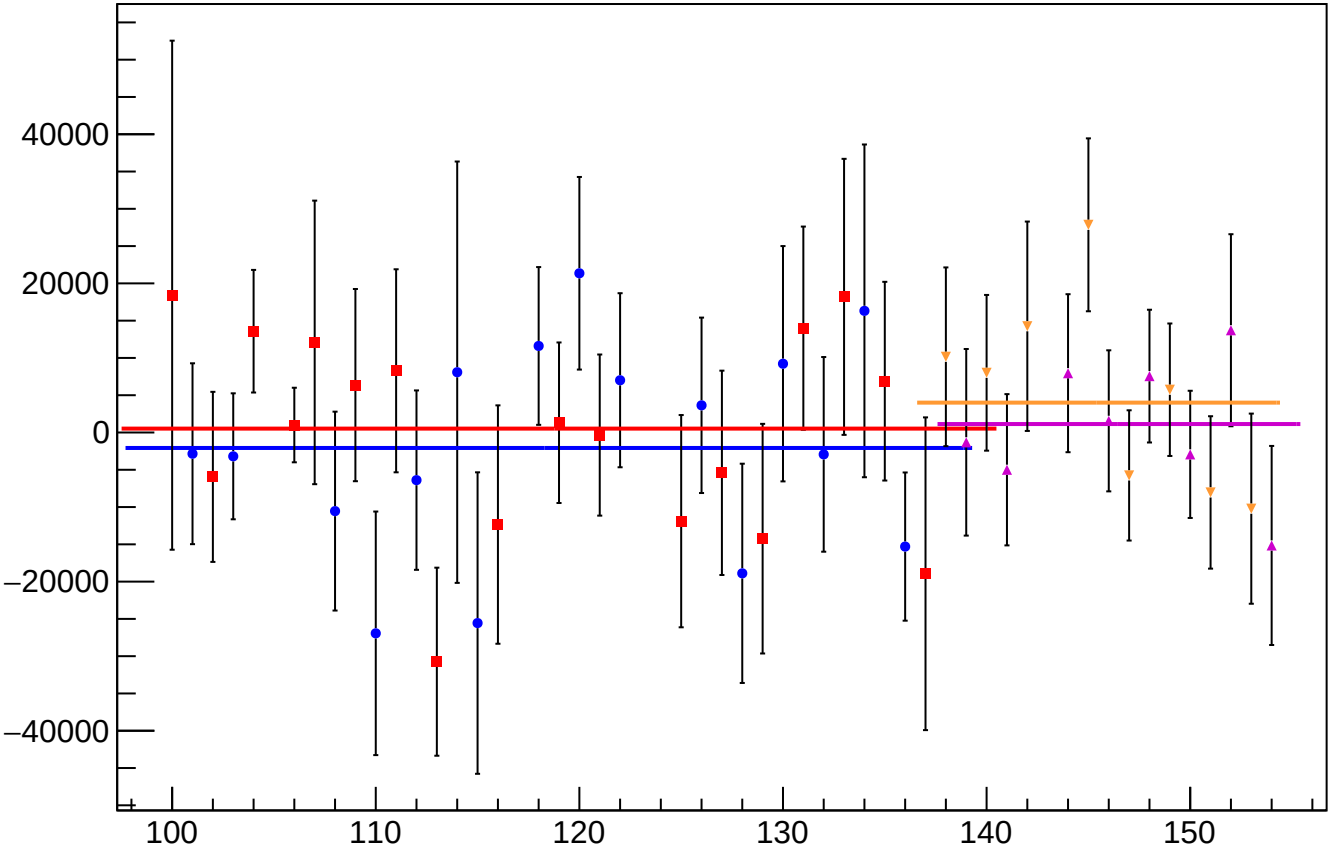
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2224.608+/-0.419 χ^2/NDF:241110.7/23

Out: 2190.480+/-0.426 χ^2/NDF:342246.7/25

All: 2207.856+/-0.299 χ^2/NDF: 586619.9/49

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: 1133.786+/-3671.326 χ^2/NDF:4.0/7

Left: 2529.517+/-2632.204 χ^2/NDF: 13.4/15

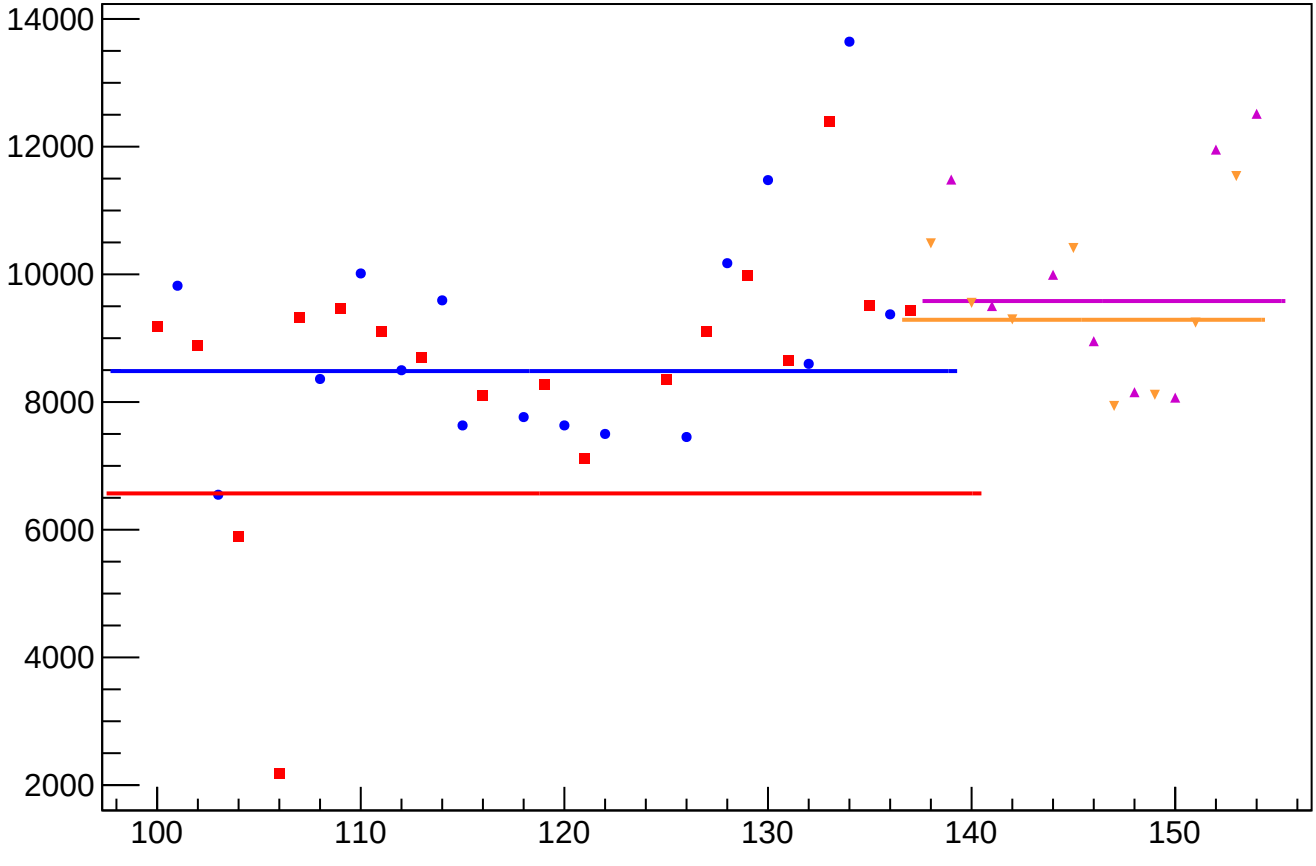
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -683.646+/-2417.450 χ^2/NDF:18.9/23

Out: 1709.322+/-2204.634 χ^2/NDF:25.3/25

All: 622.785+/-1628.963 χ^2/NDF: 44.7/49

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: 9581.888+/-2.596 χ^2/NDF:336968.7/7

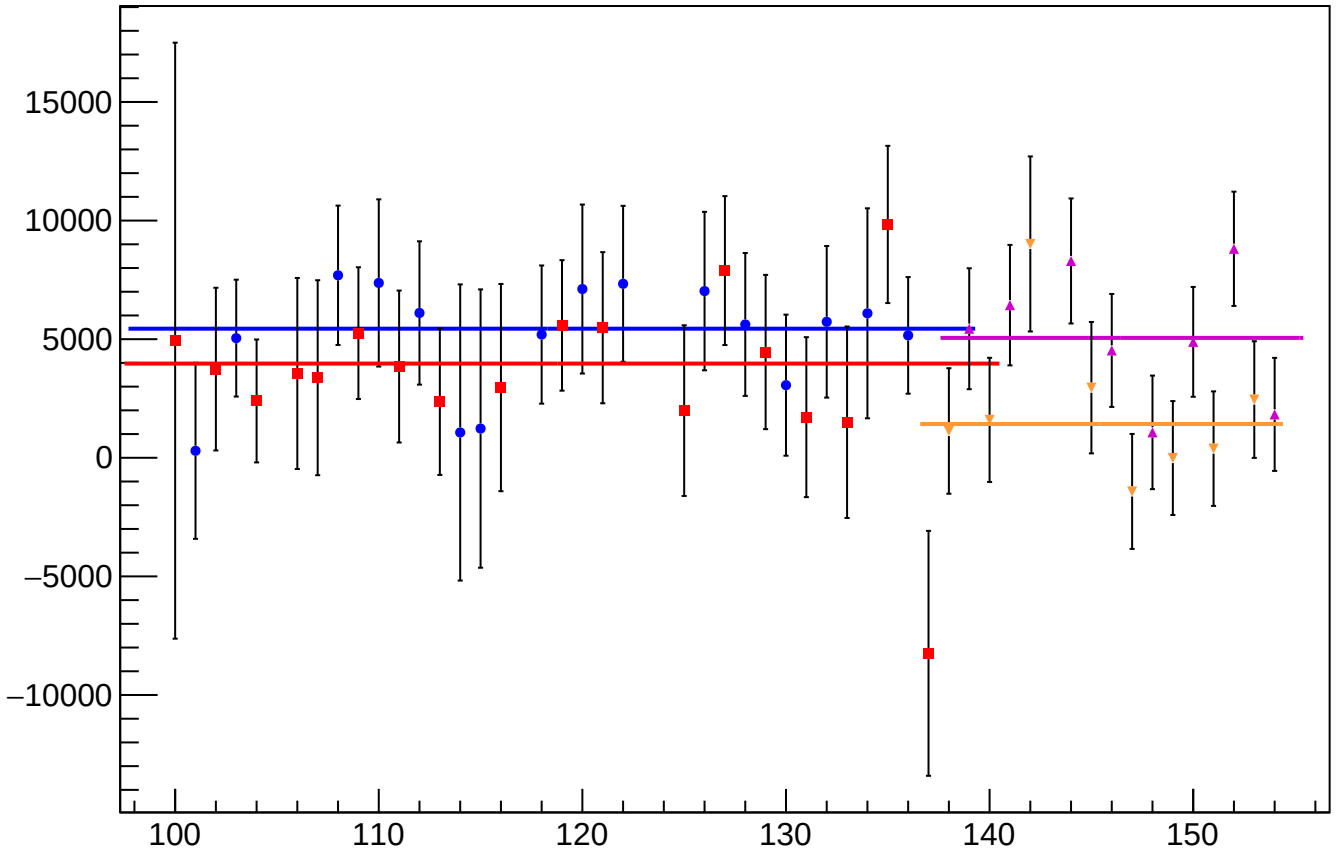
Left: 9439.265+/-1.861 χ^2/NDF: 528307.2/15

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8960.588+/-1.709 χ^2/NDF:860797.3/23

Out: 7495.878+/-1.559 χ^2/NDF:3437895.7/25

All: 8160.936+/-1.152 χ^2/NDF: 4699530.4/49



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: 5054.920+/-864.297 χ^2/NDF:8.9/7

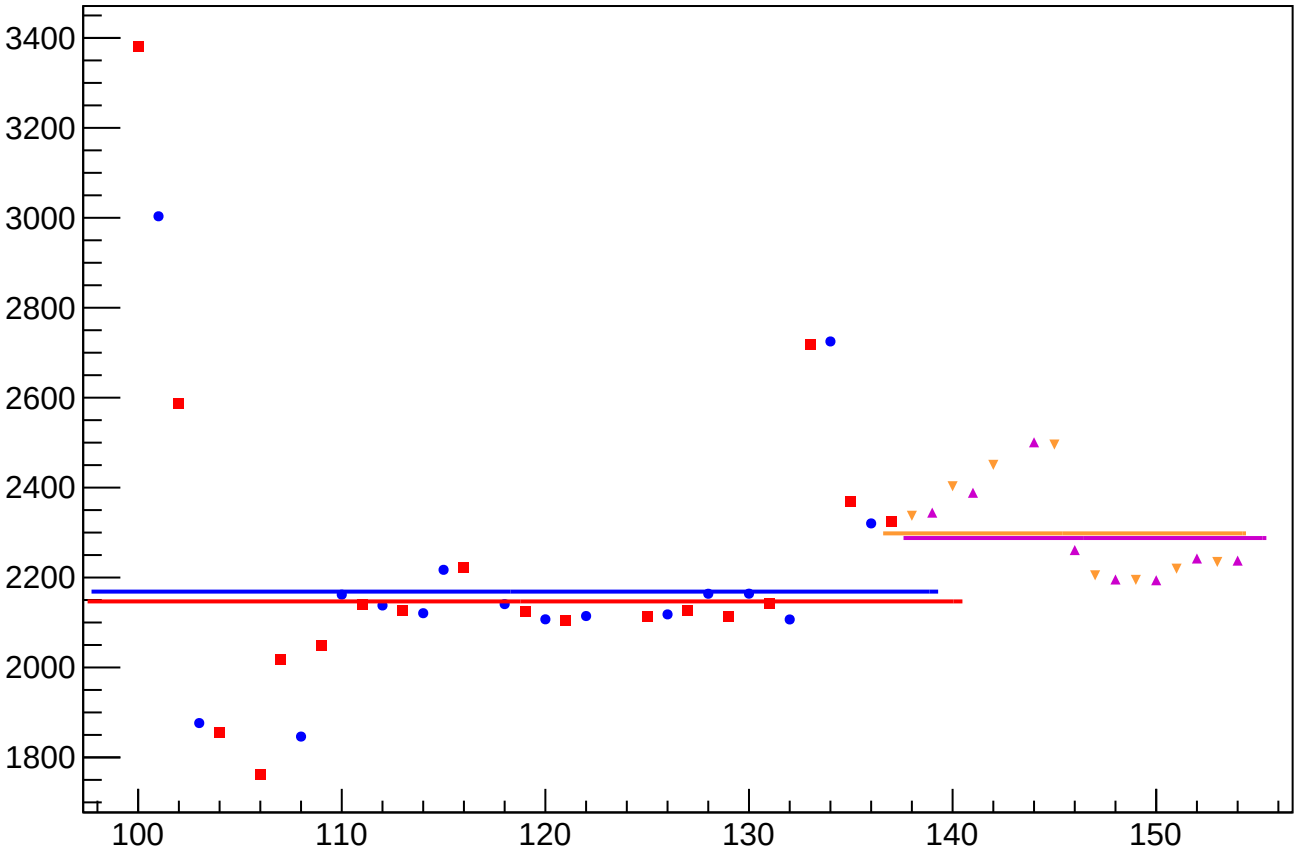
Left: 3359.103+/-630.950 χ^2/NDF: 23.8/15

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5260.652+/-592.002 χ^2/NDF:14.4/23

Out: 2865.033+/-608.455 χ^2/NDF:23.9/25

All: 4095.668+/-424.306 χ^2/NDF: 46.3/49



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: 2287.849+/-0.611 χ^2/NDF:25279.8/7

Left: 2292.684+/-0.446 χ^2/NDF: 52767.1/15

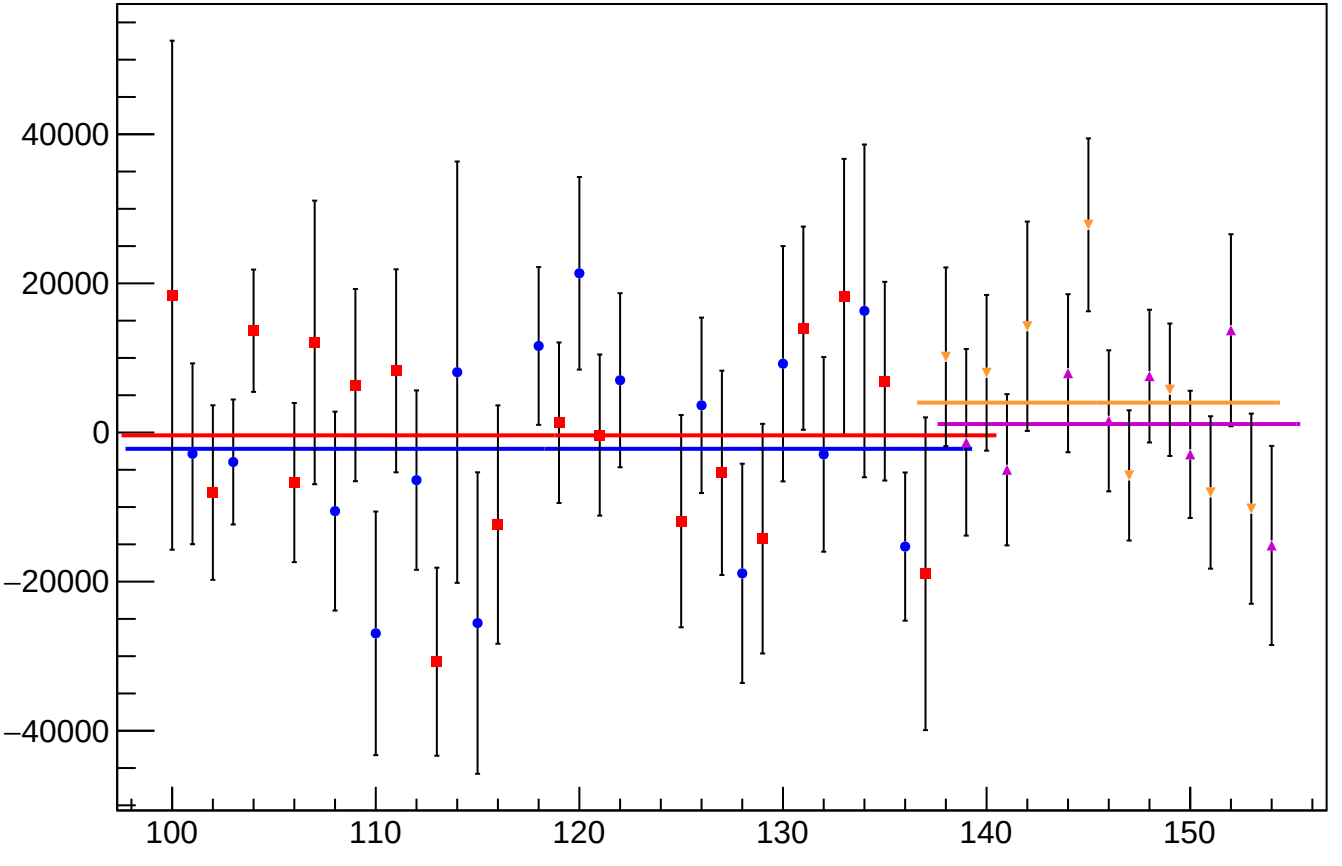
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.608+/-0.419 χ^2/NDF:241111.1/23

Out: 2212.244+/-0.429 χ^2/NDF:215624.6/25

All: 2218.578+/-0.300 χ^2/NDF: 457161.2/49

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: 1134.036+/-3671.324 χ^2/NDF:4.0/7

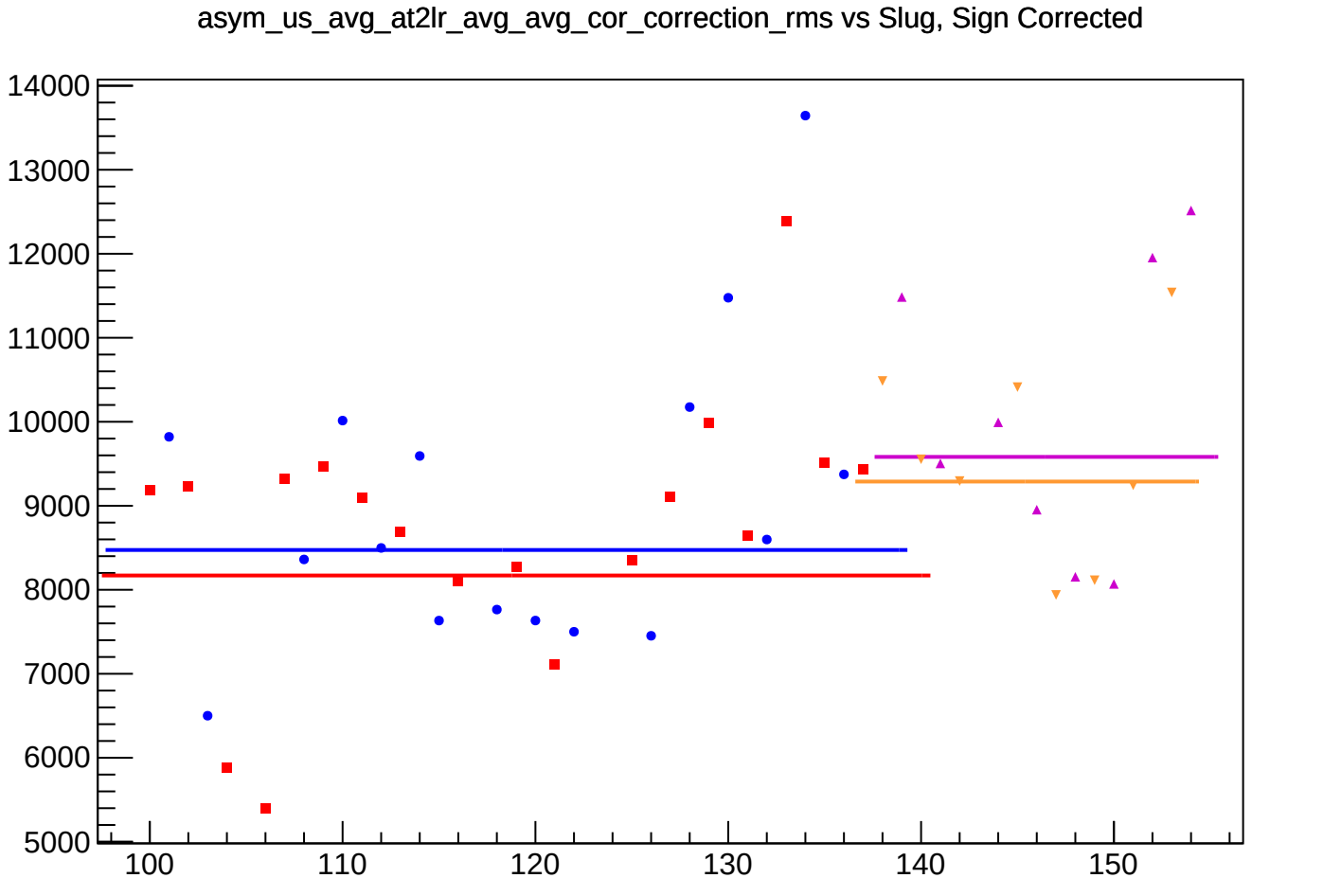
Left: 2529.649+/-2632.202 χ^2/NDF: 13.4/15

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -750.157+/-2415.927 χ^2/NDF:18.9/23

Out: 1386.375+/-2395.930 χ^2/NDF:26.2/25

All: 326.988+/-1701.204 χ^2/NDF: 45.5/49



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: 9581.882+/-2.596 χ^2/NDF:336970.2/7

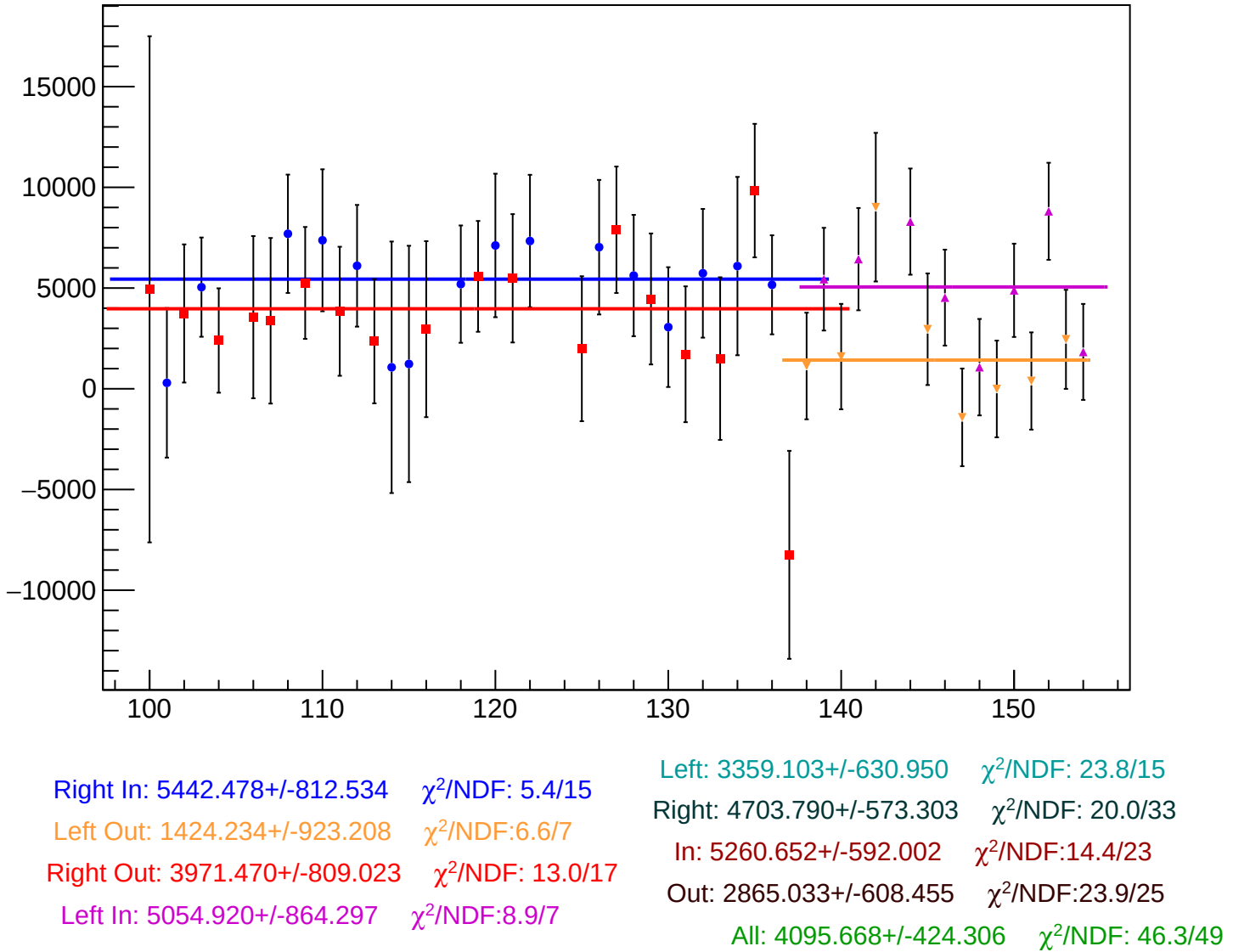
Left: 9439.257+/-1.861 χ^2/NDF: 528311.0/15

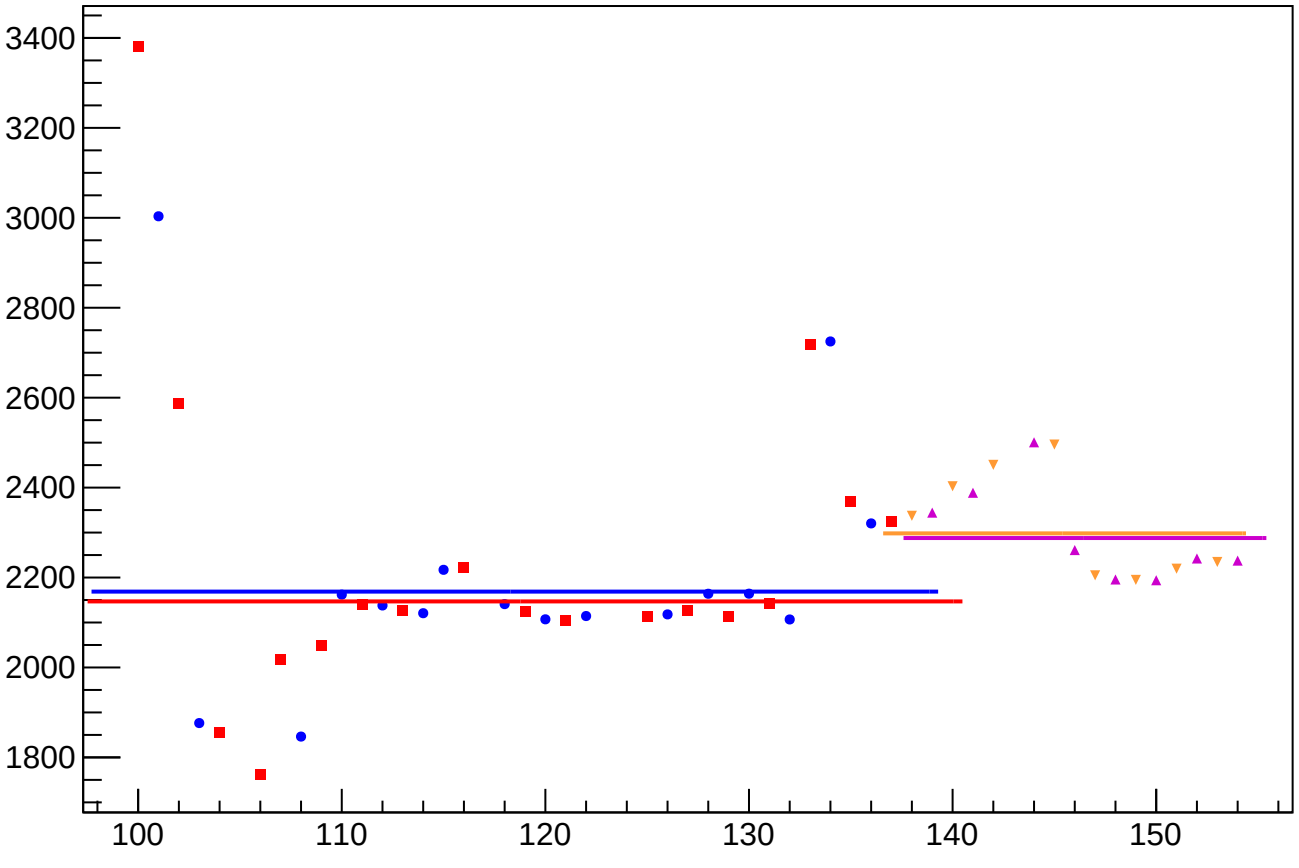
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8953.605+/-1.708 χ^2/NDF:869824.5/23

Out: 8620.324+/-1.694 χ^2/NDF:829865.6/25

All: 8785.579+/-1.203 χ^2/NDF: 1718878.9/49


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 1424.234+/-923.208 χ²/NDF:6.6/7
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5054.920+/-864.297 χ²/NDF:8.9/7
Left: 3359.103+/-630.950 χ²/NDF: 23.8/15
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5260.652+/-592.002 χ²/NDF:14.4/23
Out: 2865.033+/-608.455 χ²/NDF:23.9/25
All: 4095.668+/-424.306 χ²/NDF: 46.3/49



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: 2287.849+/-0.611 χ^2/NDF:25279.8/7

Left: 2292.684+/-0.446 χ^2/NDF: 52767.1/15

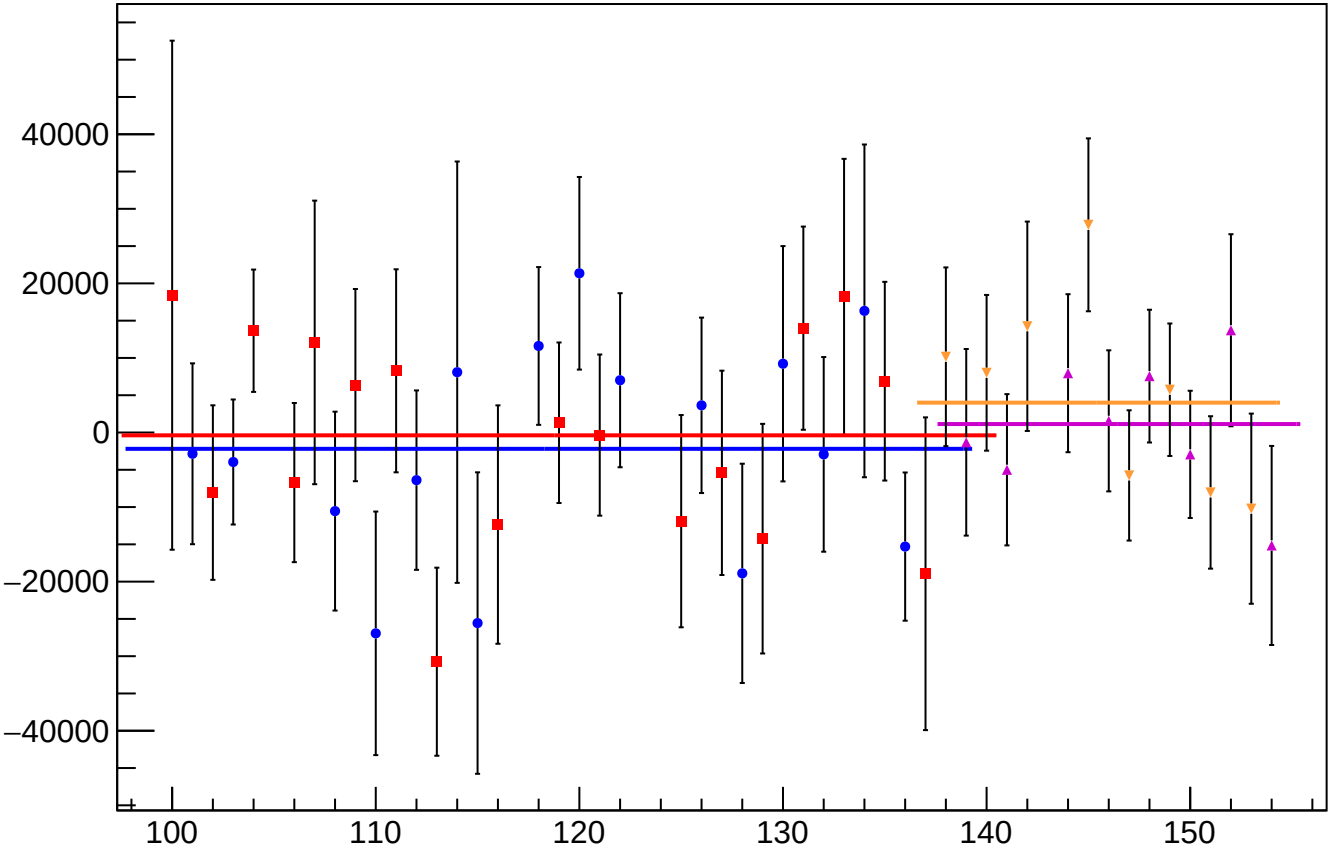
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.608+/-0.419 χ^2/NDF:241111.1/23

Out: 2212.244+/-0.429 χ^2/NDF:215624.6/25

All: 2218.578+/-0.300 χ^2/NDF: 457161.2/49

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: 1134.036+/-3671.324 χ^2/NDF:4.0/7

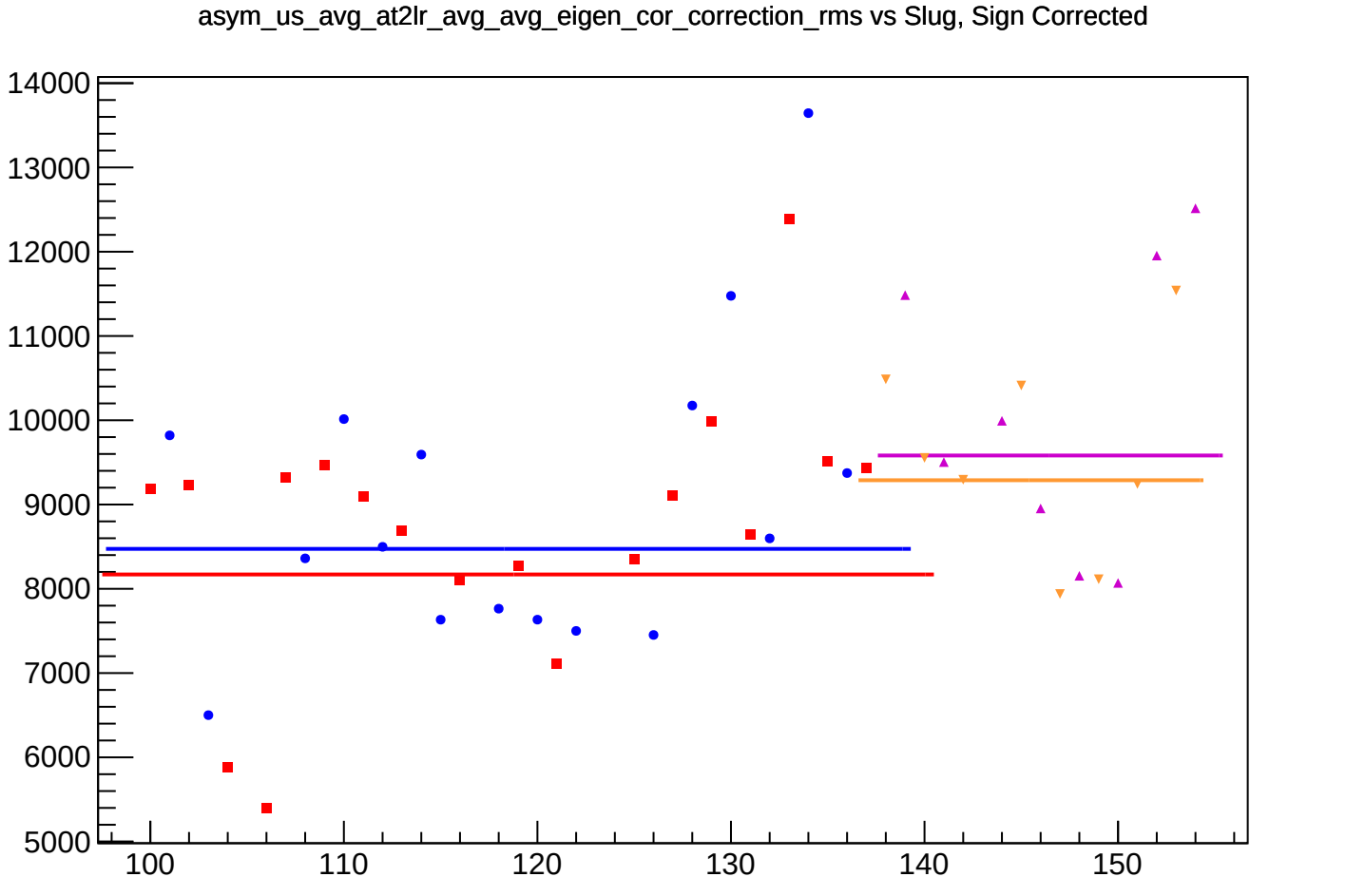
Left: 2529.649+/-2632.202 χ^2/NDF: 13.4/15

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -750.157+/-2415.927 χ^2/NDF:18.9/23

Out: 1386.375+/-2395.930 χ^2/NDF:26.2/25

All: 326.988+/-1701.204 χ^2/NDF: 45.5/49



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: 9581.882+/-2.596 χ^2/NDF:336970.2/7

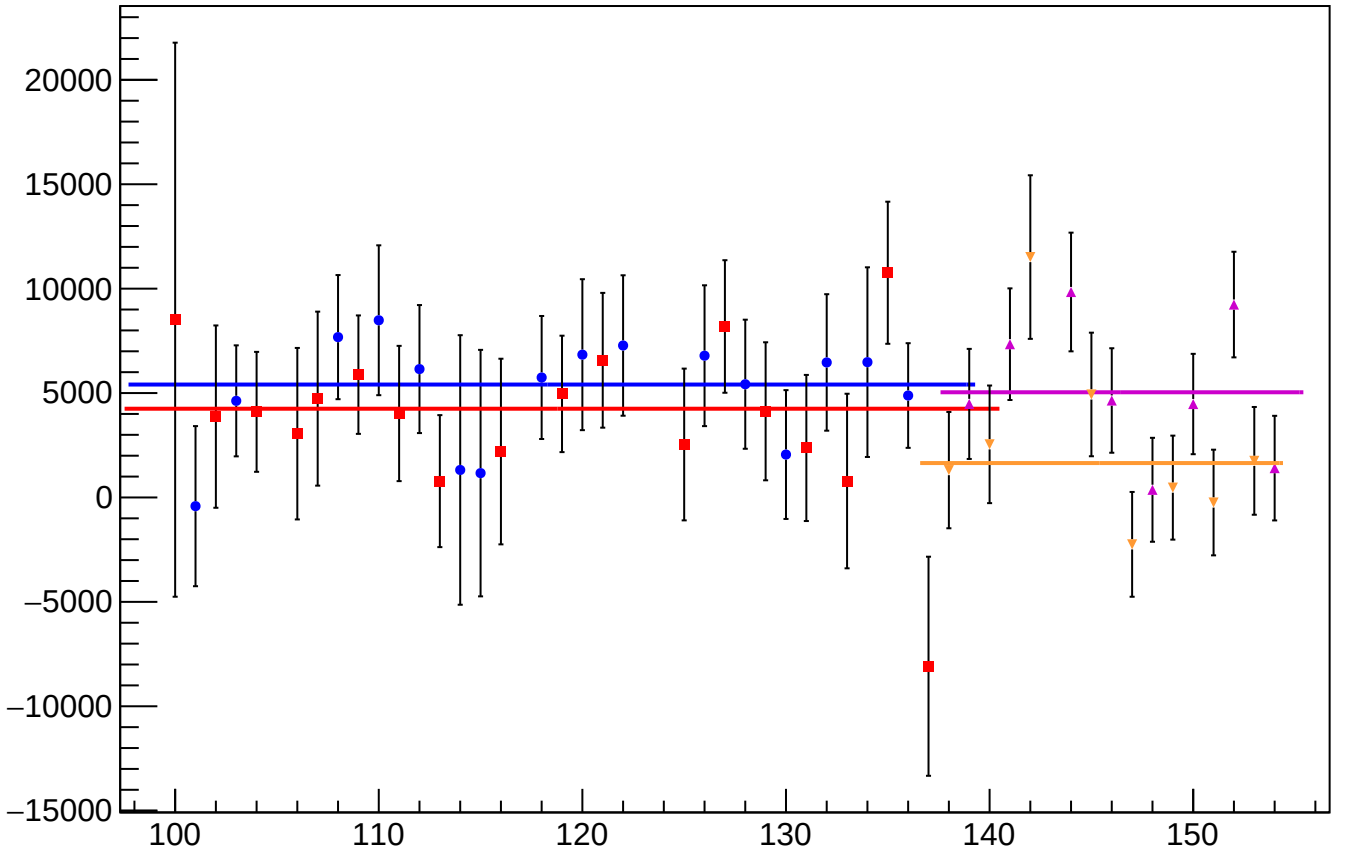
Left: 9439.257+/-1.861 χ^2/NDF: 528311.0/15

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8953.605+/-1.708 χ^2/NDF:869824.5/23

Out: 8620.324+/-1.694 χ^2/NDF:829865.6/25

All: 8785.579+/-1.203 χ^2/NDF: 1718878.9/49



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: 5037.777+/-906.190 χ^2/NDF:12.1/7

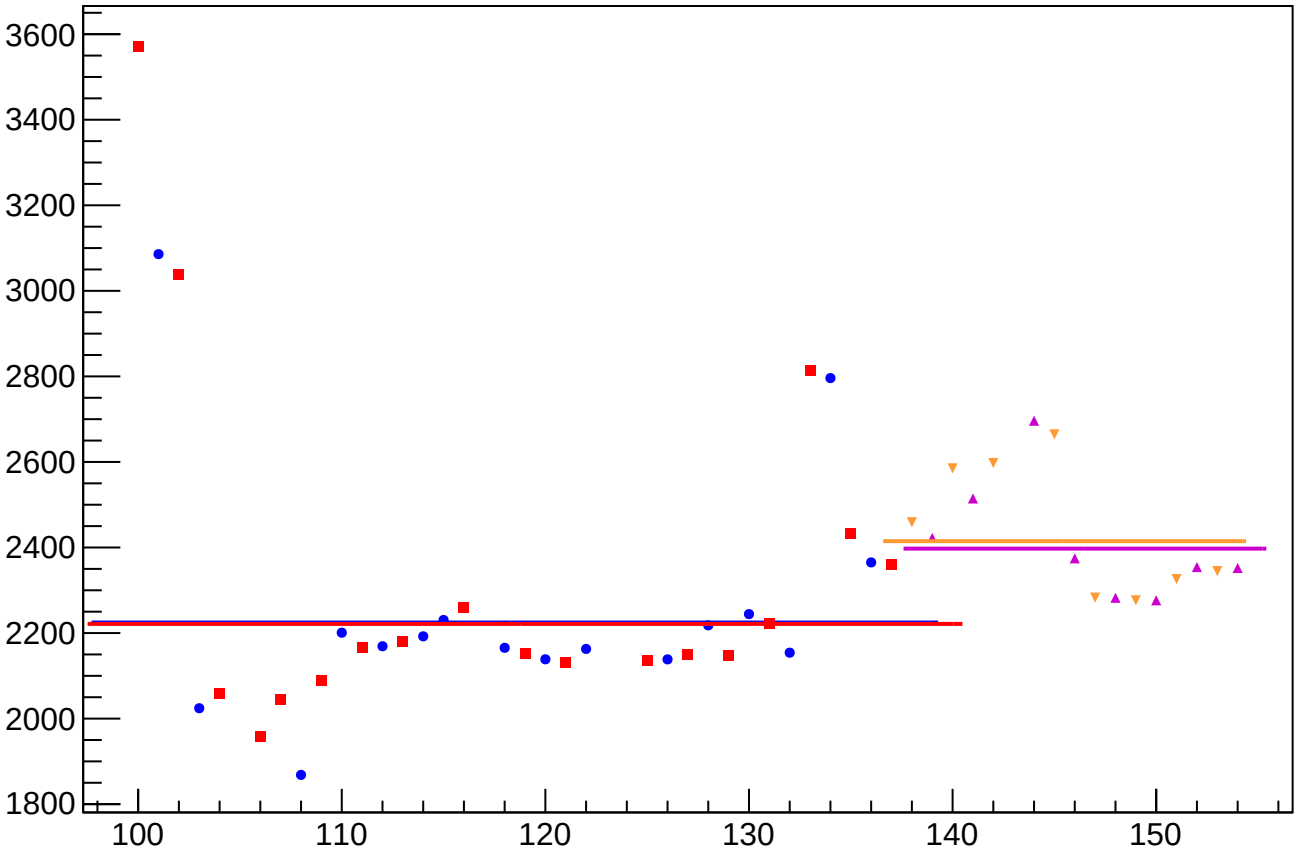
Left: 3459.625+/-662.480 χ^2/NDF: 29.5/15

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5238.217+/-613.540 χ^2/NDF:18.9/23

Out: 3137.064+/-634.969 χ^2/NDF:29.5/25

All: 4223.694+/-441.219 χ^2/NDF: 54.0/49



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: 2397.377+/-0.641 χ^2/NDF:36870.1/7

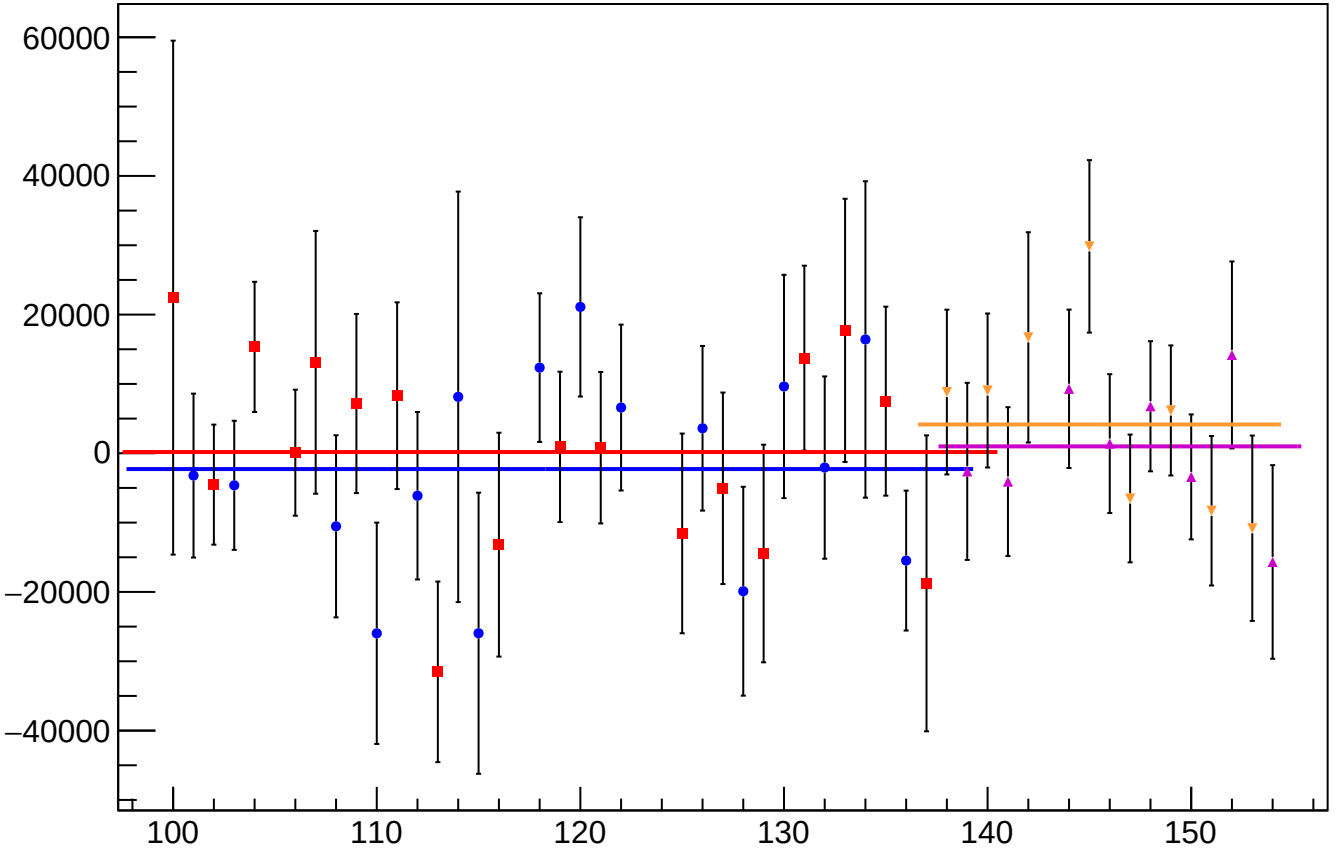
Left: 2405.497+/-0.468 χ^2/NDF: 79239.9/15

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2303.809+/-0.434 χ^2/NDF:260920.6/23

Out: 2304.078+/-0.449 χ^2/NDF:257404.5/25

All: 2303.939+/-0.312 χ^2/NDF: 518325.2/49



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: 991.953+/-3870.653 χ^2/NDF:3.8/7

Left: 2530.911+/-2772.435 χ^2/NDF: 13.4/15

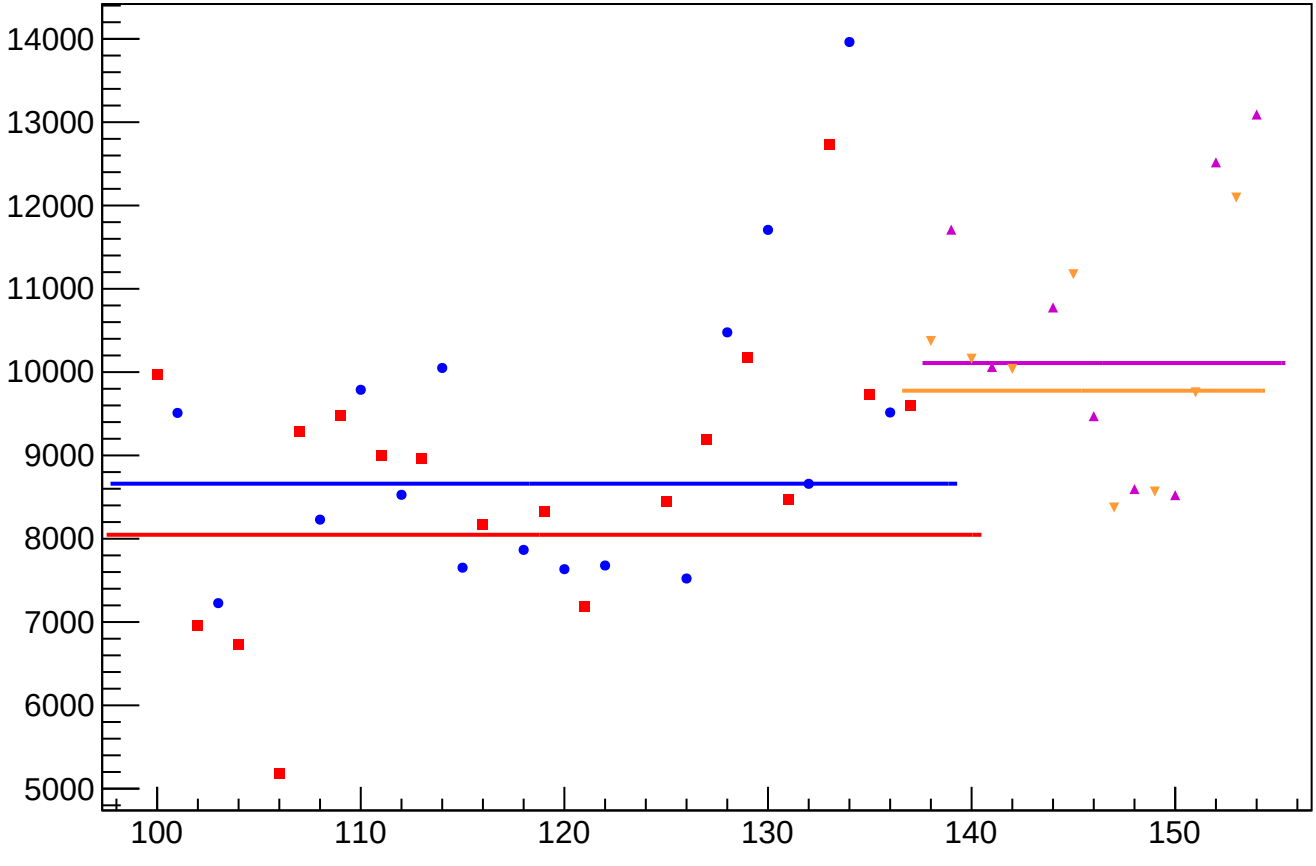
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -915.557+/-2498.697 χ^2/NDF:18.7/23

Out: 1642.178+/-2411.979 χ^2/NDF:25.6/25

All: 408.463+/-1735.374 χ^2/NDF: 44.8/49

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: 10109.093+/-2.737 χ^2/NDF:315416.8/7

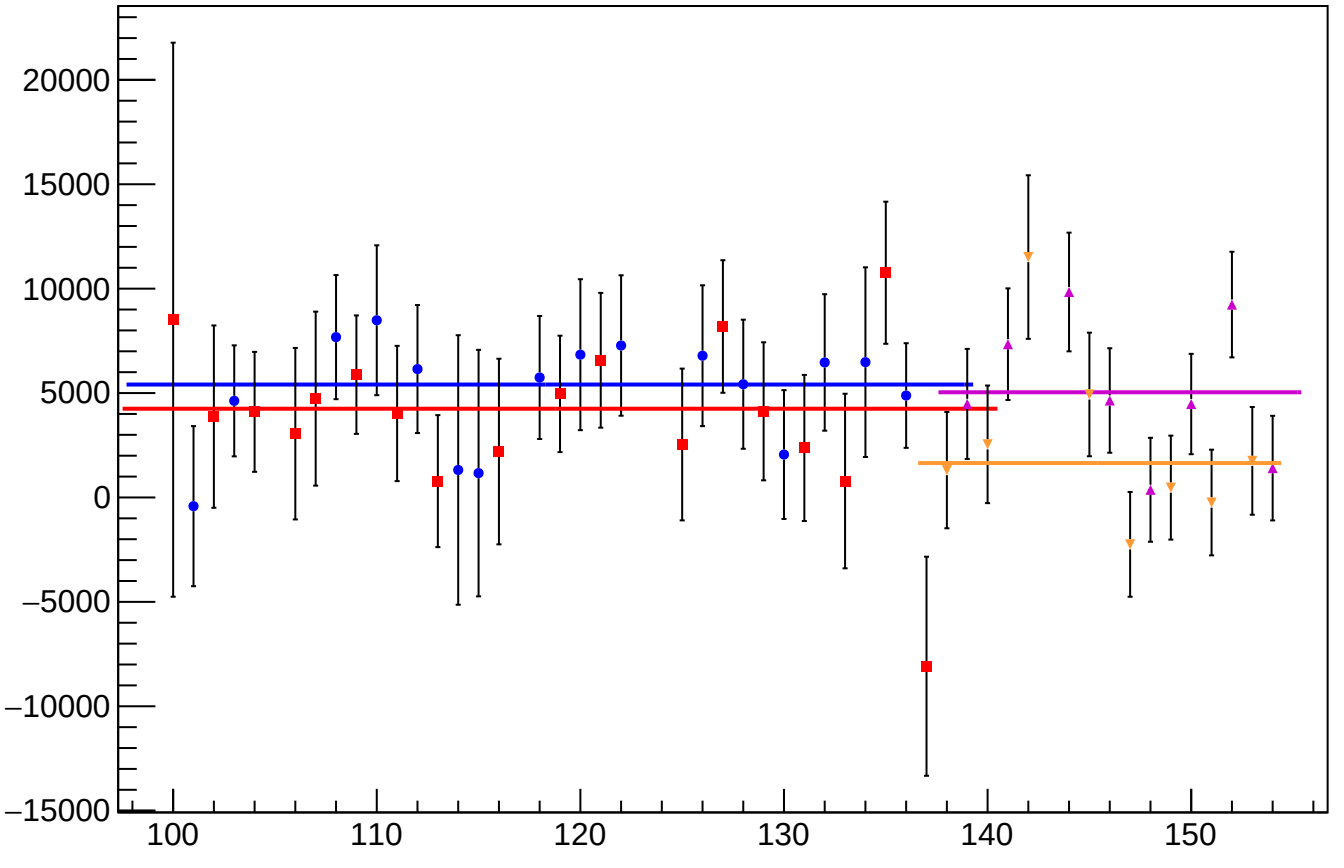
Left: 9947.498+/-1.960 χ^2/NDF: 495720.8/15

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9264.313+/-1.767 χ^2/NDF:836714.6/23

Out: 8685.000+/-1.706 χ^2/NDF:971098.0/25

All: 8964.430+/-1.227 χ^2/NDF: 1863463.0/49



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: 5037.773+/-906.191 χ^2/NDF:12.1/7

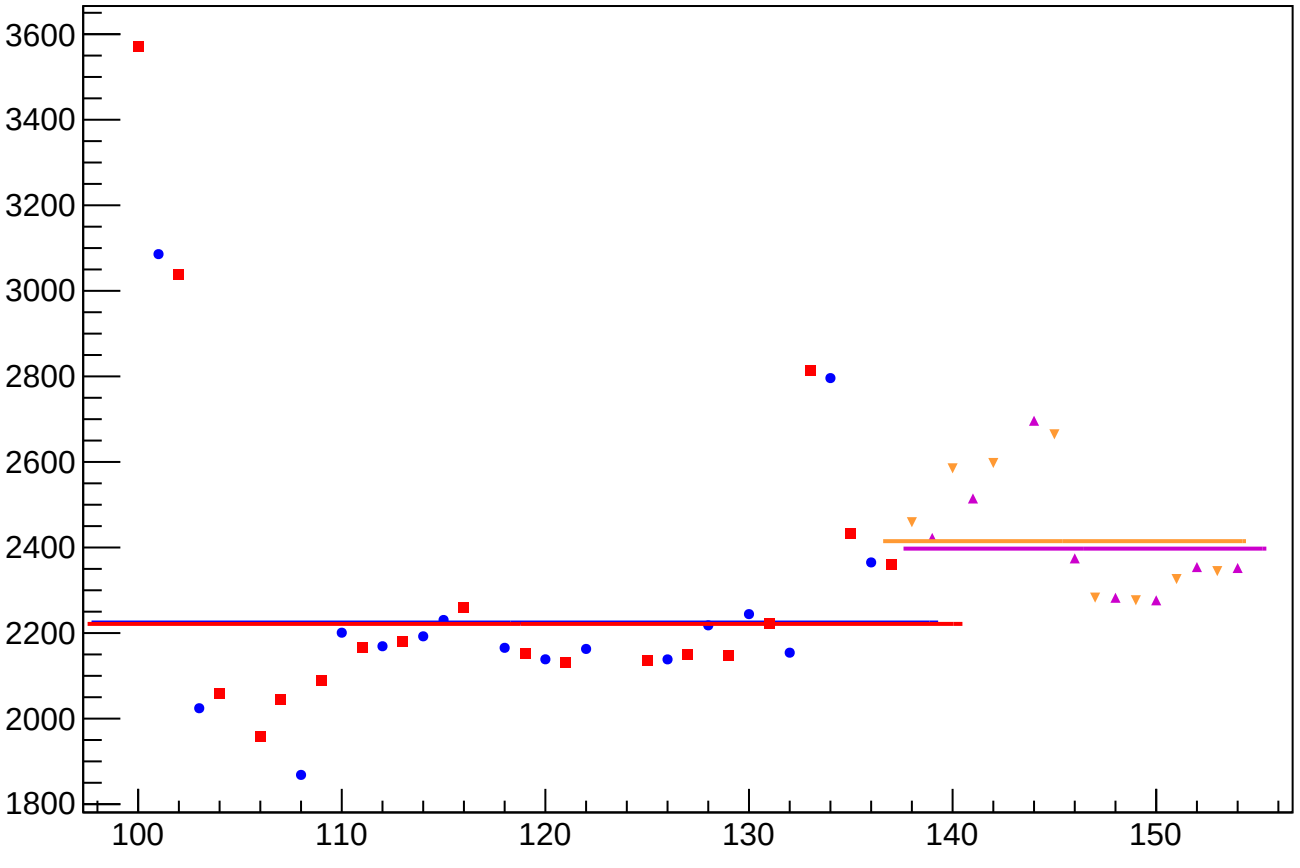
Left: 3459.623+/-662.481 χ^2/NDF: 29.5/15

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5238.217+/-613.540 χ^2/NDF:18.9/23

Out: 3137.069+/-634.969 χ^2/NDF:29.5/25

All: 4223.696+/-441.220 χ^2/NDF: 54.0/49



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: 2397.380+/-0.641 χ^2/NDF:36870.4/7

Left: 2405.499+/-0.468 χ^2/NDF: 79240.7/15

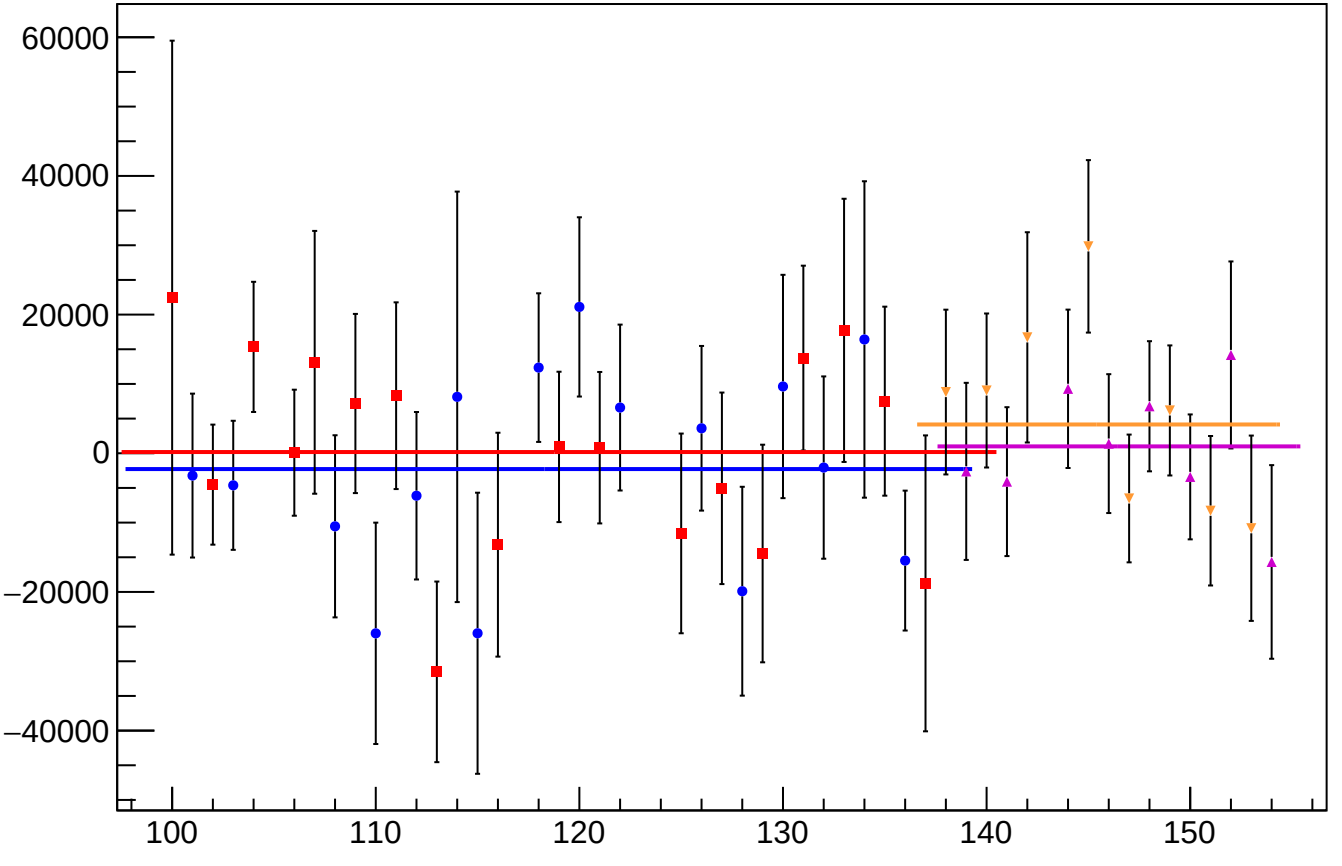
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2303.810+/-0.434 χ^2/NDF:260922.7/23

Out: 2304.079+/-0.449 χ^2/NDF:257406.5/25

All: 2303.940+/-0.312 χ^2/NDF: 518329.4/49

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: 991.951+/-3870.659 χ^2/NDF:3.8/7

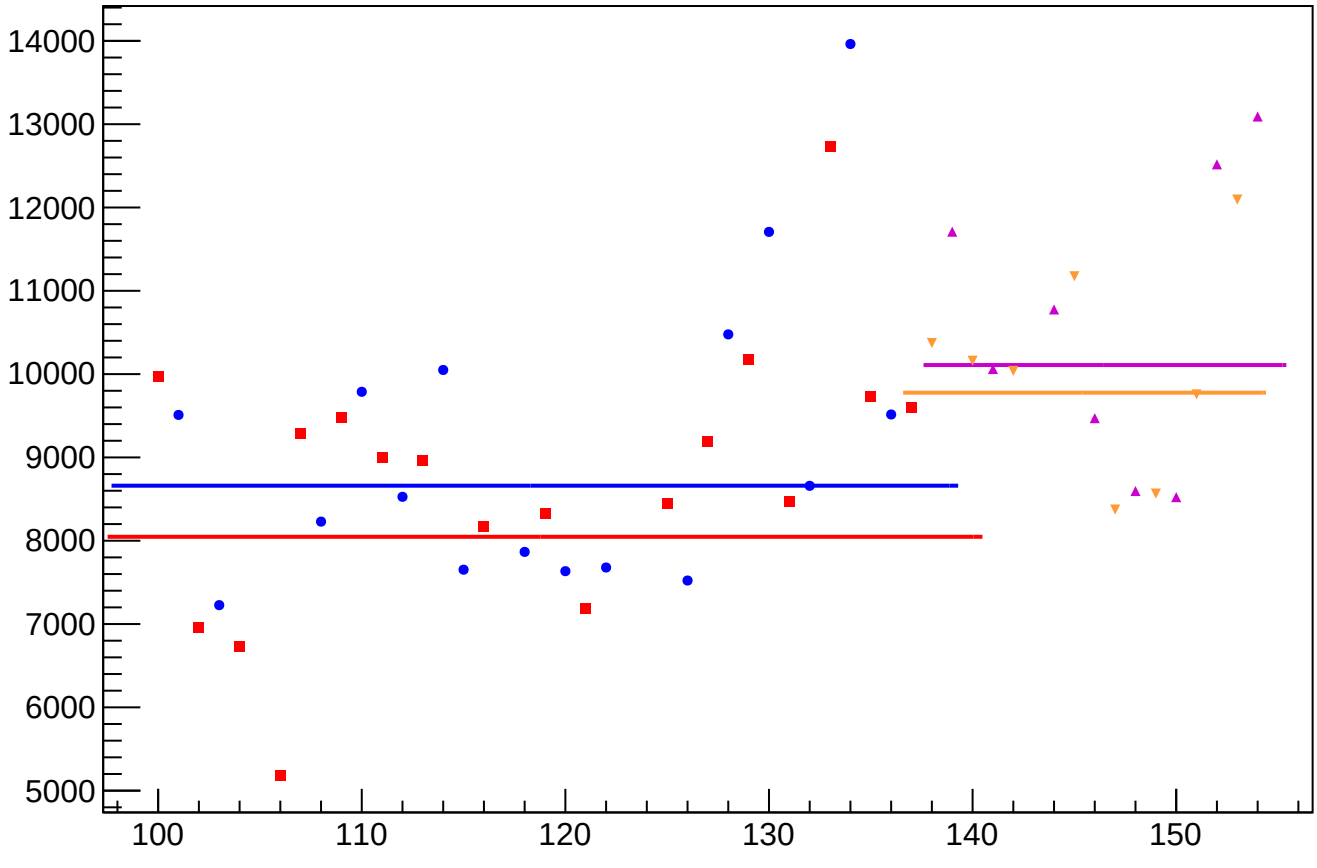
Left: 2530.907+/-2772.438 χ^2/NDF: 13.4/15

Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -915.551+/-2498.695 χ^2/NDF:18.7/23

Out: 1642.173+/-2411.977 χ^2/NDF:25.6/25

All: 408.464+/-1735.373 χ^2/NDF: 44.8/49



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: 10109.106+/-2.737 χ^2/NDF:315417.5/7

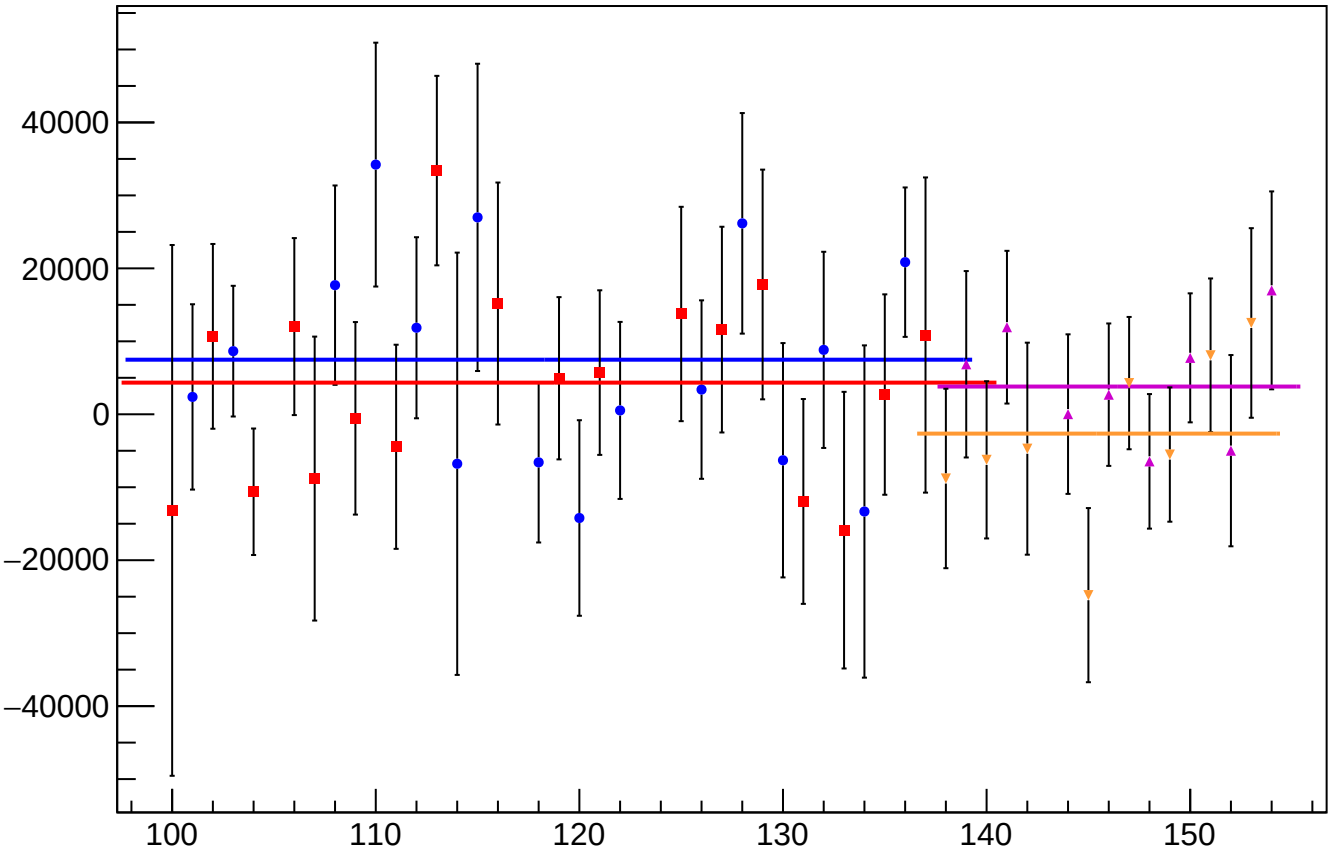
Left: 9947.512+/-1.960 χ^2/NDF: 495722.5/15

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9264.304+/-1.767 χ^2/NDF:836725.3/23

Out: 8684.991+/-1.706 χ^2/NDF:971105.9/25

All: 8964.420+/-1.227 χ^2/NDF: 1863481.7/49



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: 3800.962+/-3781.572 χ^2/NDF:3.6/7

Left: 672.227+/-2713.477 χ^2/NDF: 11.9/15

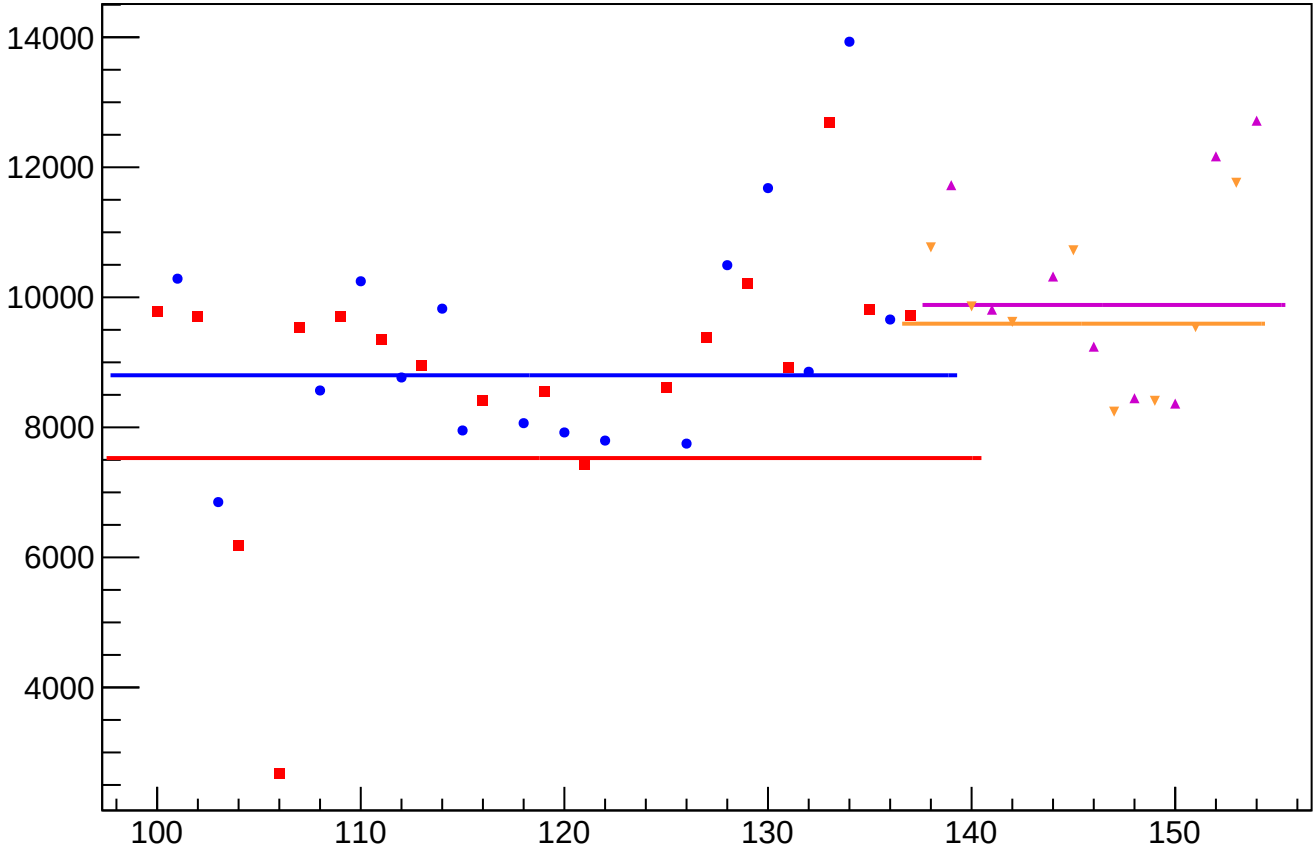
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5873.654+/-2499.536 χ^2/NDF:18.2/23

Out: 1478.877+/-2492.283 χ^2/NDF:23.1/25

All: 3669.880+/-1764.869 χ^2/NDF: 42.8/49

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9594.470+/-2.755 χ^2/NDF:170784.8/7

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9882.684+/-2.674 χ^2/NDF:308965.2/7

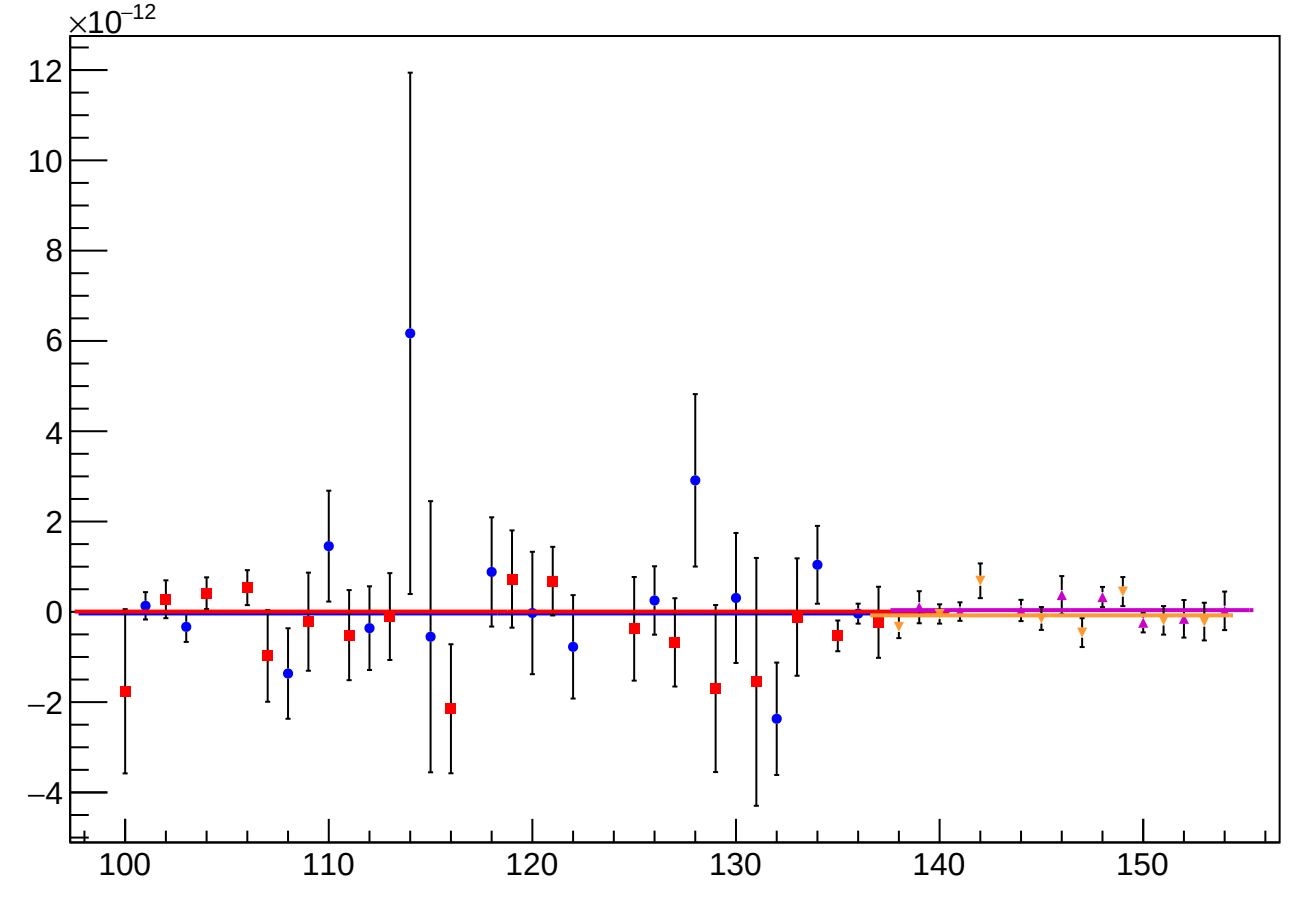
Left: 9742.866+/-1.919 χ^2/NDF: 485385.9/15

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9273.615+/-1.767 χ^2/NDF:795674.8/23

Out: 8300.295+/-1.684 χ^2/NDF:2180527.5/25

All: 8763.505+/-1.219 χ^2/NDF: 3135143.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:4.3/7

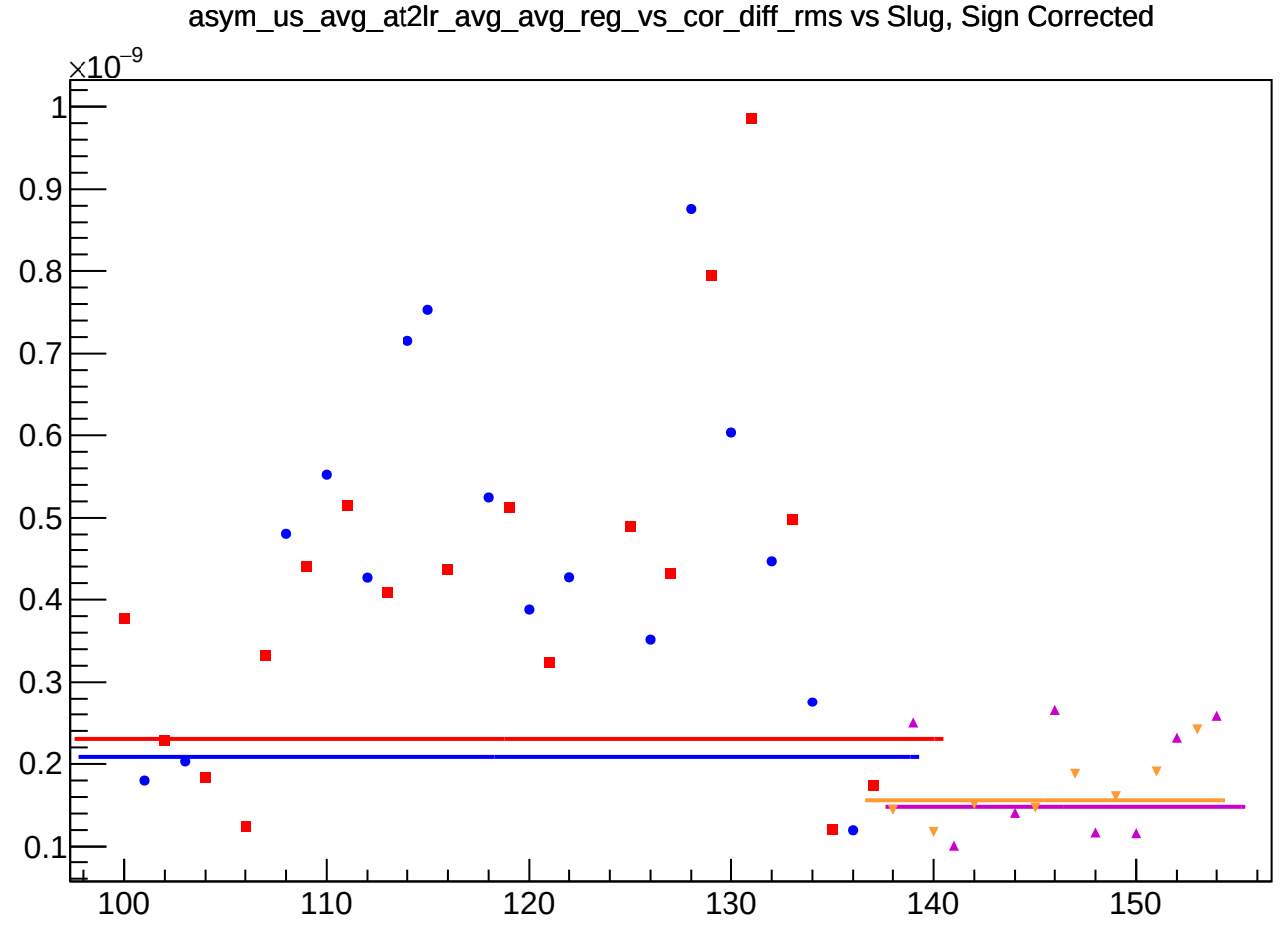
Left: -0.000+/-0.000 χ^2/NDF: 14.4/15

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

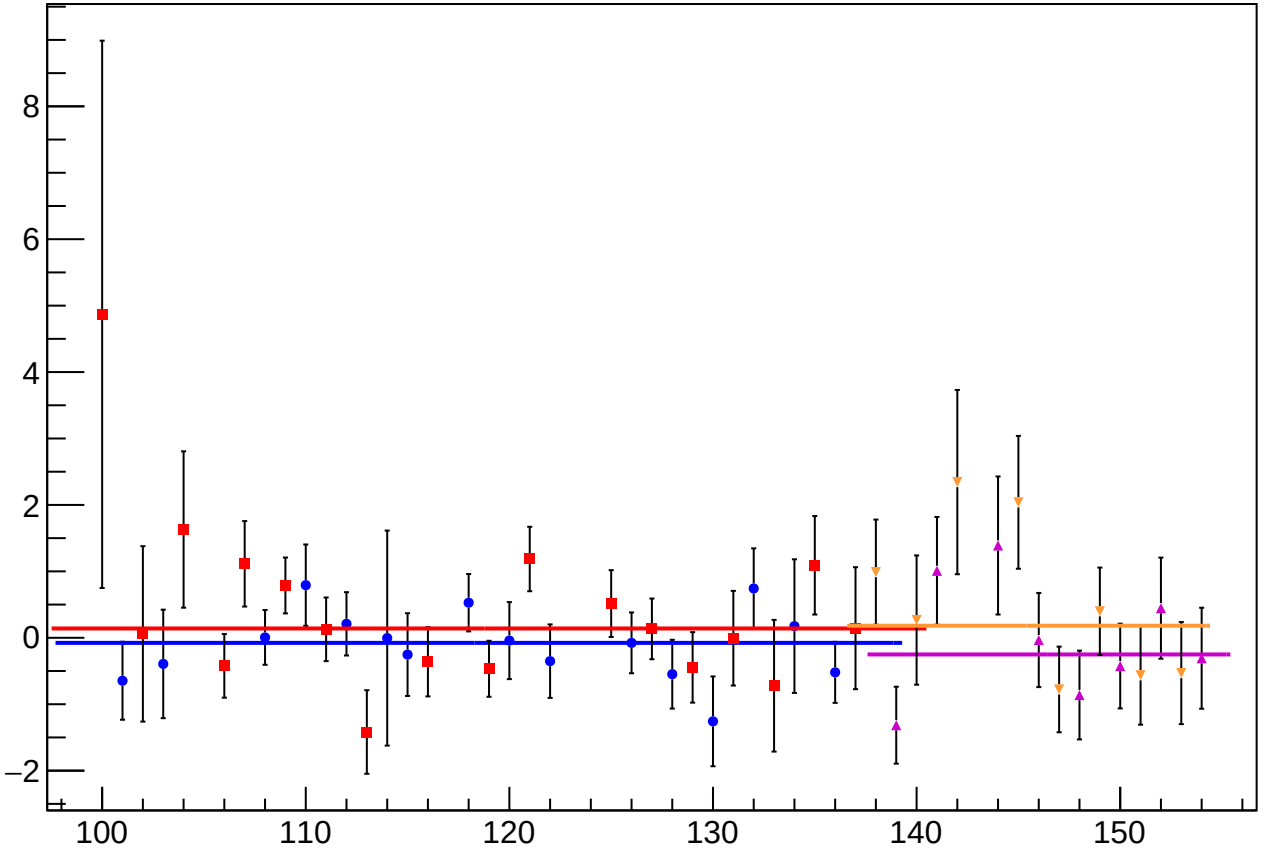
In: 0.000+/-0.000 χ^2/NDF:18.7/23

Out: -0.000+/-0.000 χ^2/NDF:23.4/25

All: -0.000+/-0.000 χ^2/NDF: 42.4/49


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:200182.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 1561654.8/17
Left In: 0.000+/-0.000 χ²/NDF:724337.2/7
Left: 0.000+/-0.000 χ²/NDF: 930845.9/15
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:2605156.7/23
Out: 0.000+/-0.000 χ²/NDF:2076971.8/25
All: 0.000+/-0.000 χ²/NDF: 4700185.3/49

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: -0.251+/-0.253 χ^2/NDF:10.1/7

Left: -0.059+/-0.189 χ^2/NDF: 22.5/15

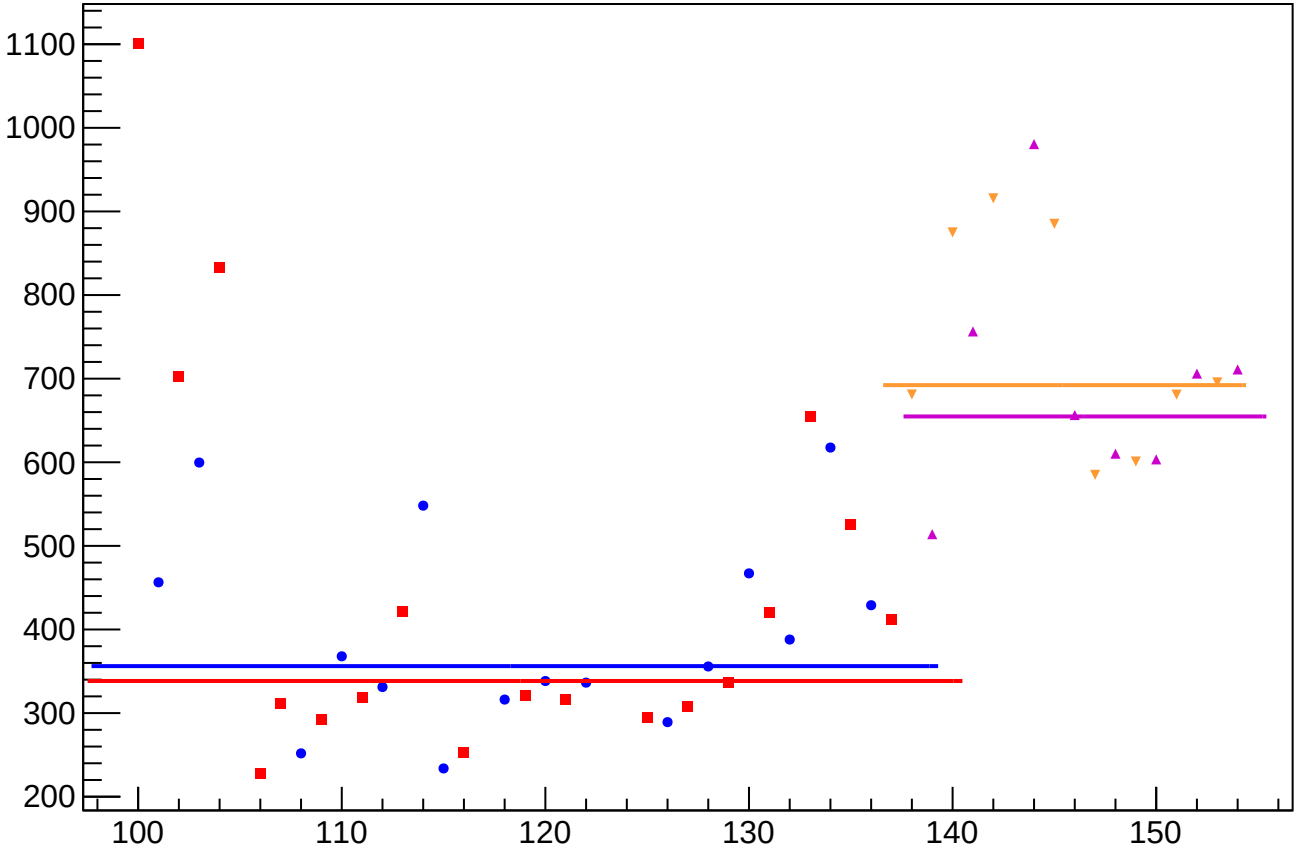
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.117+/-0.122 χ^2/NDF:23.0/23

Out: 0.148+/-0.124 χ^2/NDF:38.1/25

All: 0.014+/-0.087 χ^2/NDF: 63.4/49

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: 654.798+/-0.179 χ^2/NDF:388121.2/7

Left: 671.396+/-0.134 χ^2/NDF: 699322.2/15

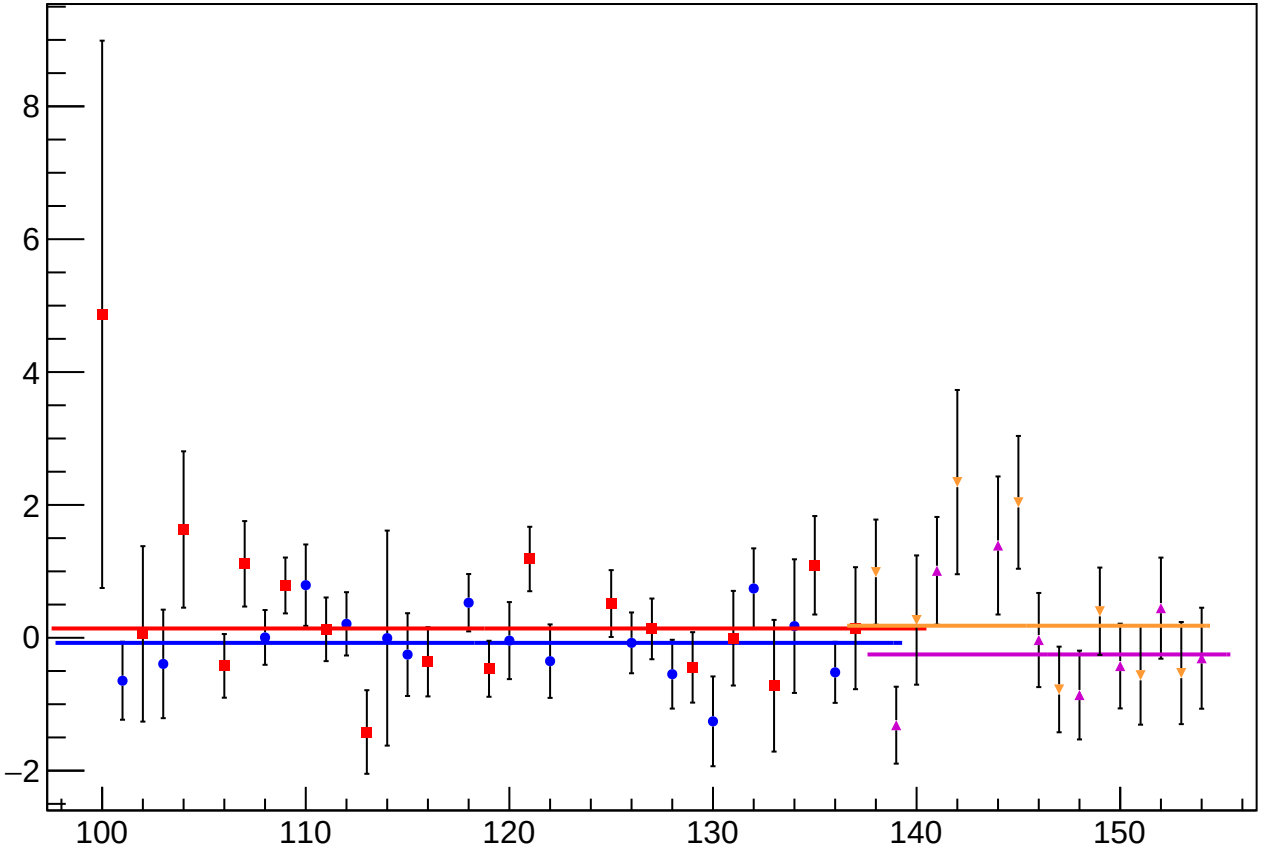
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 425.953+/-0.087 χ^2/NDF:3301942.5/23

Out: 405.940+/-0.088 χ^2/NDF:4005649.9/25

All: 416.079+/-0.062 χ^2/NDF: 7333940.2/49

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: -0.251+/-0.253 χ^2/NDF:10.1/7

Left: -0.059+/-0.189 χ^2/NDF: 22.5/15

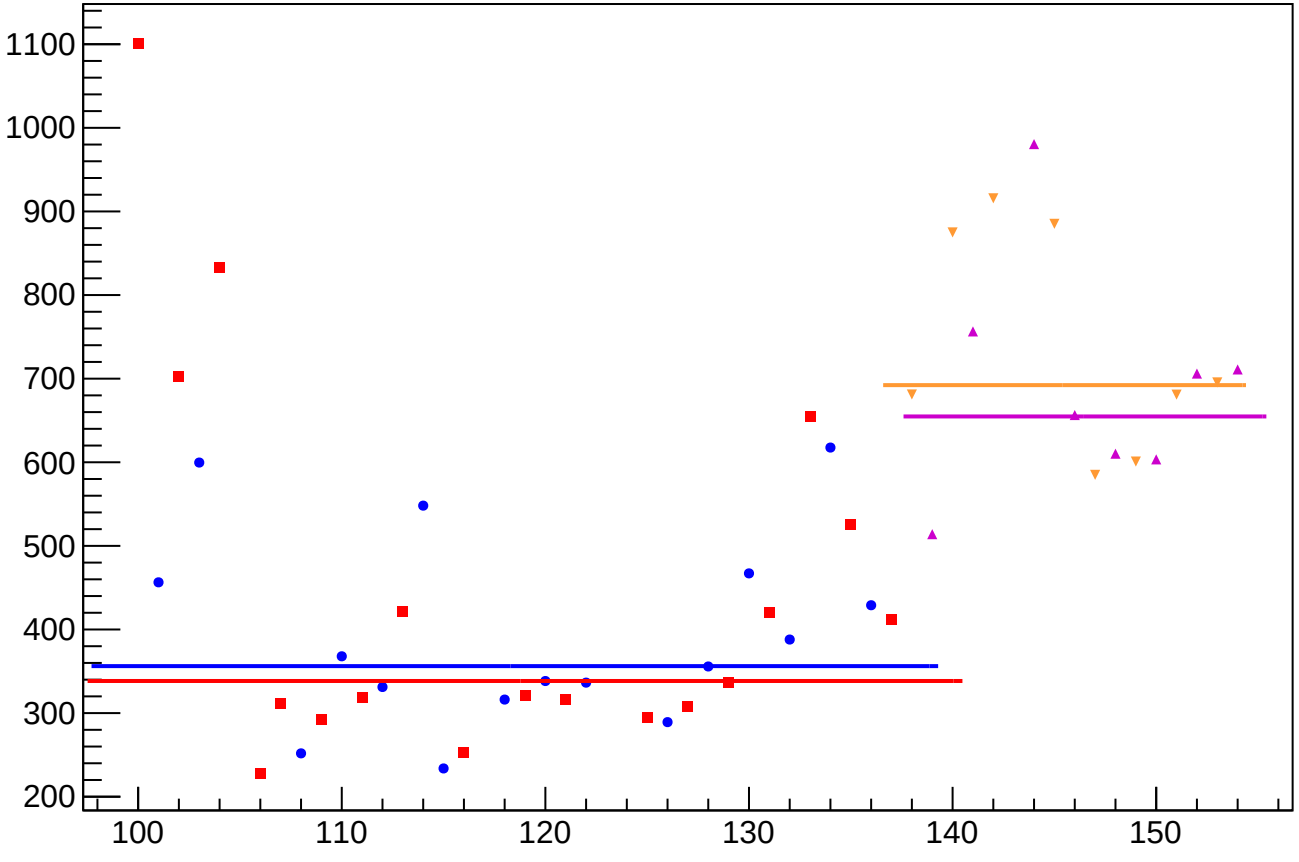
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.117+/-0.122 χ^2/NDF:23.0/23

Out: 0.148+/-0.124 χ^2/NDF:38.1/25

All: 0.014+/-0.087 χ^2/NDF: 63.4/49

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: 654.798+/-0.179 χ^2/NDF:388121.2/7

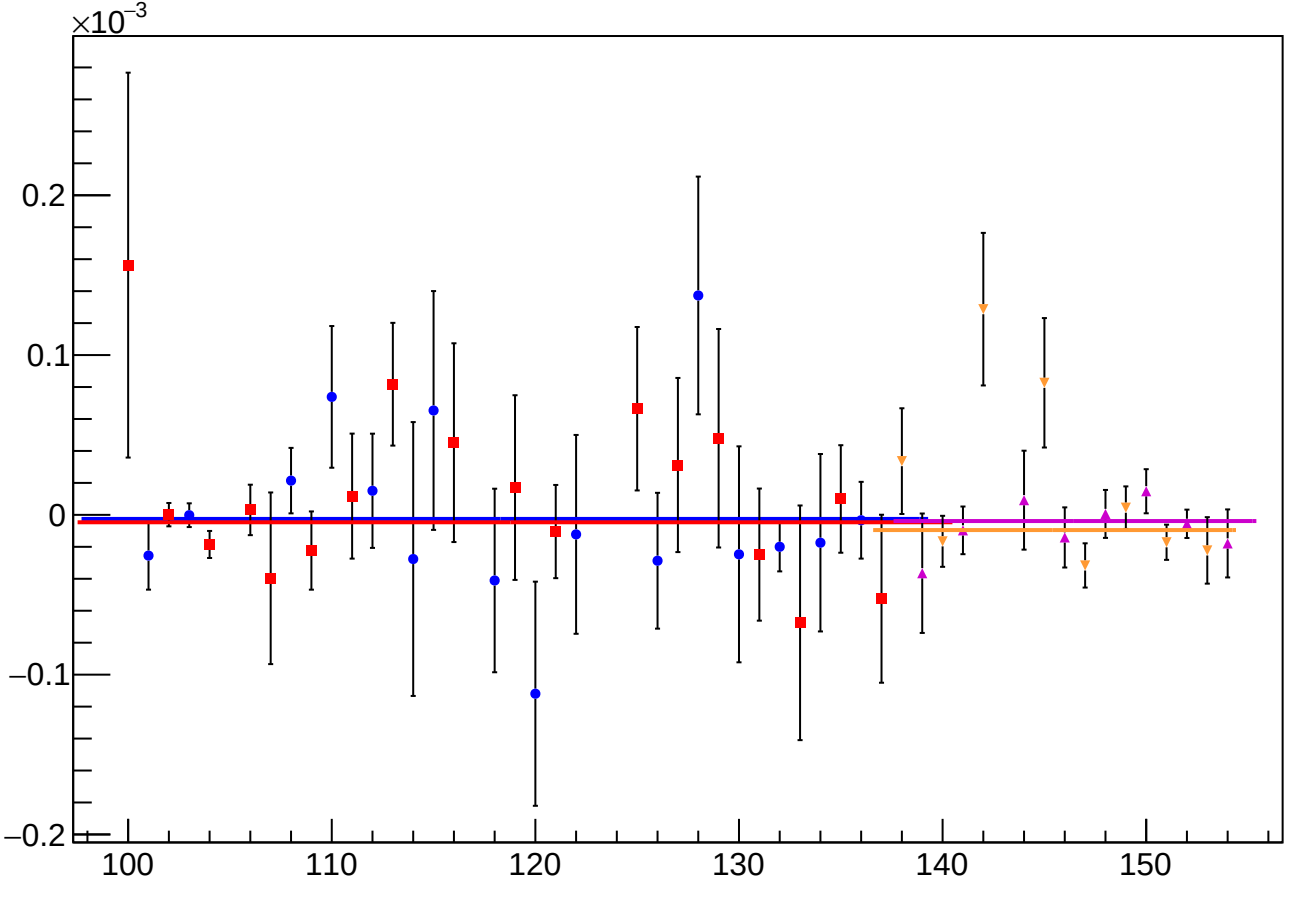
Left: 671.396+/-0.134 χ^2/NDF: 699322.2/15

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 425.953+/-0.087 χ^2/NDF:3301942.5/23

Out: 405.940+/-0.088 χ^2/NDF:4005649.9/25

All: 416.079+/-0.062 χ^2/NDF: 7333940.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:3.8/7

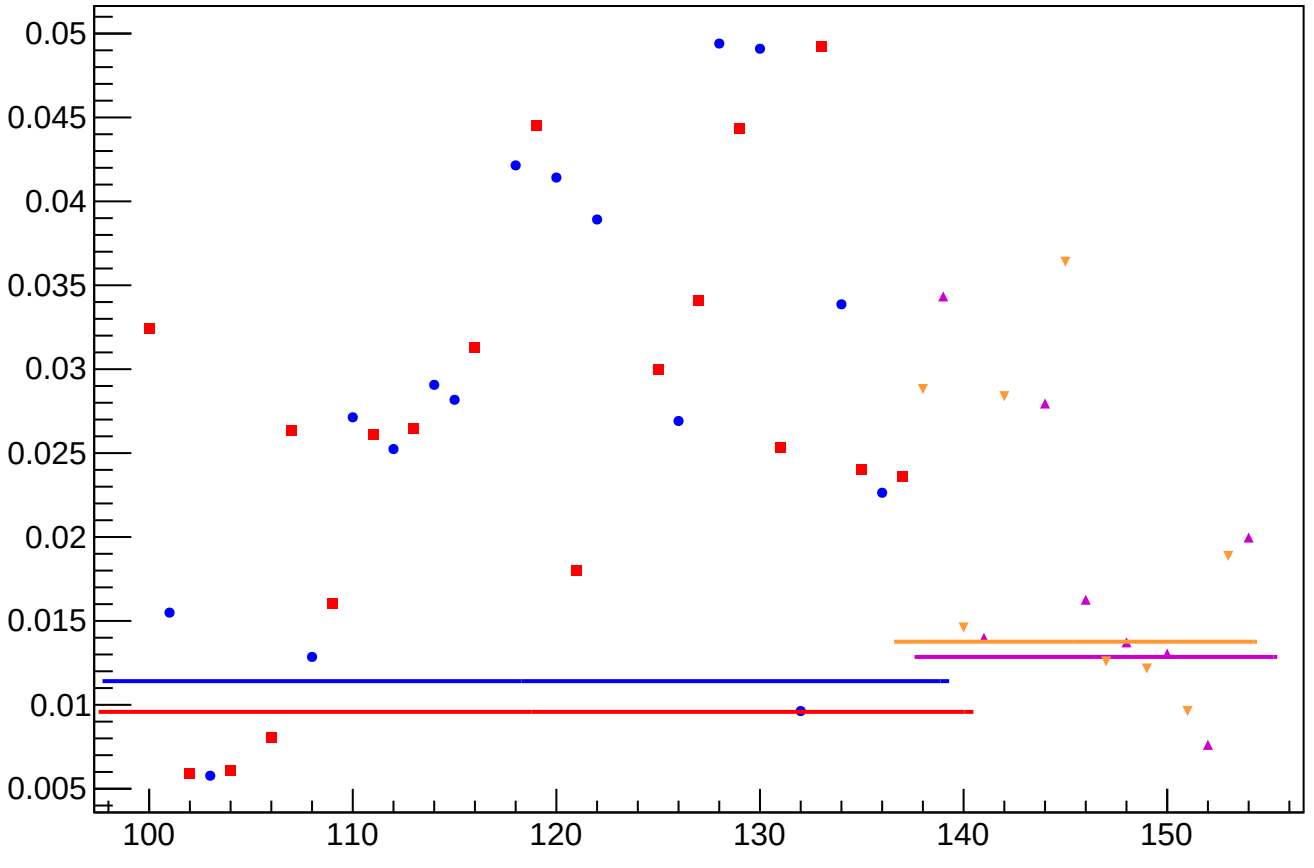
Left: -0.000+/-0.000 χ^2/NDF: 24.2/15

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:18.8/23

Out: -0.000+/-0.000 χ^2/NDF:37.5/25

All: -0.000+/-0.000 χ^2/NDF: 56.7/49



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: 0.013+/-0.000 χ^2/NDF:2141946.5/7

Left: 0.013+/-0.000 χ^2/NDF: 3843706.7/15

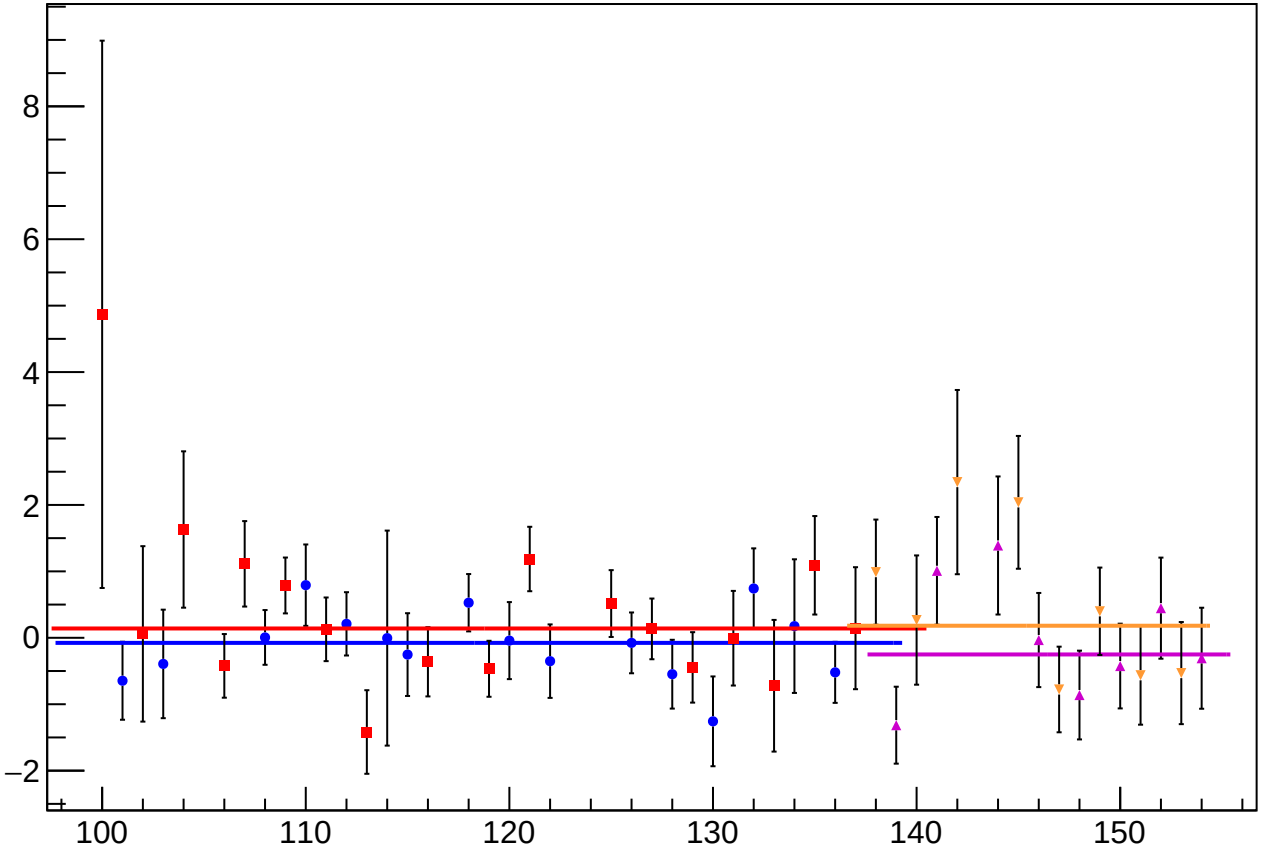
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:7711193.3/23

Out: 0.011+/-0.000 χ^2/NDF:8057245.0/25

All: 0.012+/-0.000 χ^2/NDF: 15835337.2/49

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: -0.251+/-0.253 χ^2/NDF:10.1/7

Left: -0.059+/-0.189 χ^2/NDF: 22.5/15

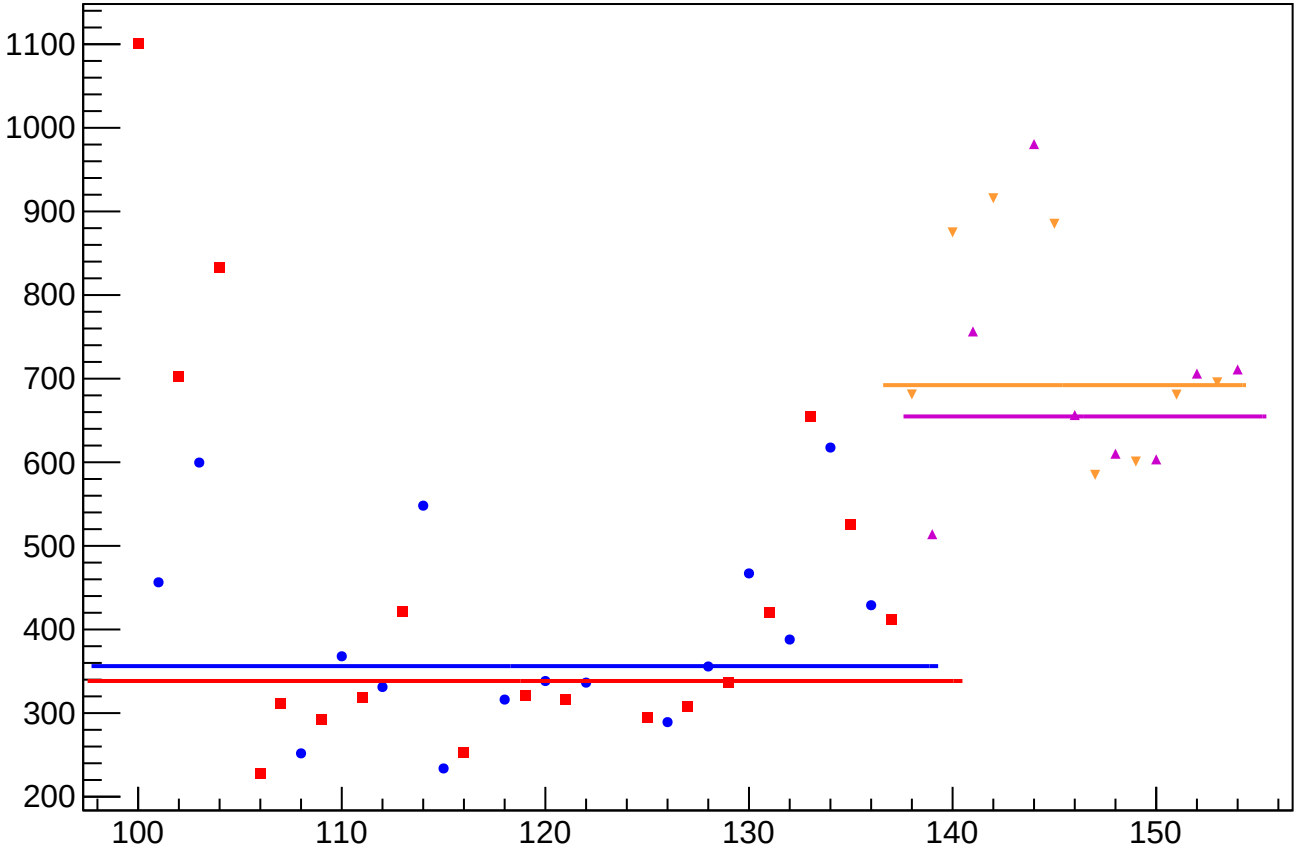
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.117+/-0.122 χ^2/NDF:23.0/23

Out: 0.148+/-0.124 χ^2/NDF:38.1/25

All: 0.014+/-0.087 χ^2/NDF: 63.4/49

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: 654.807+/-0.179 χ^2/NDF:388108.8/7

Left: 671.405+/-0.134 χ^2/NDF: 699312.5/15

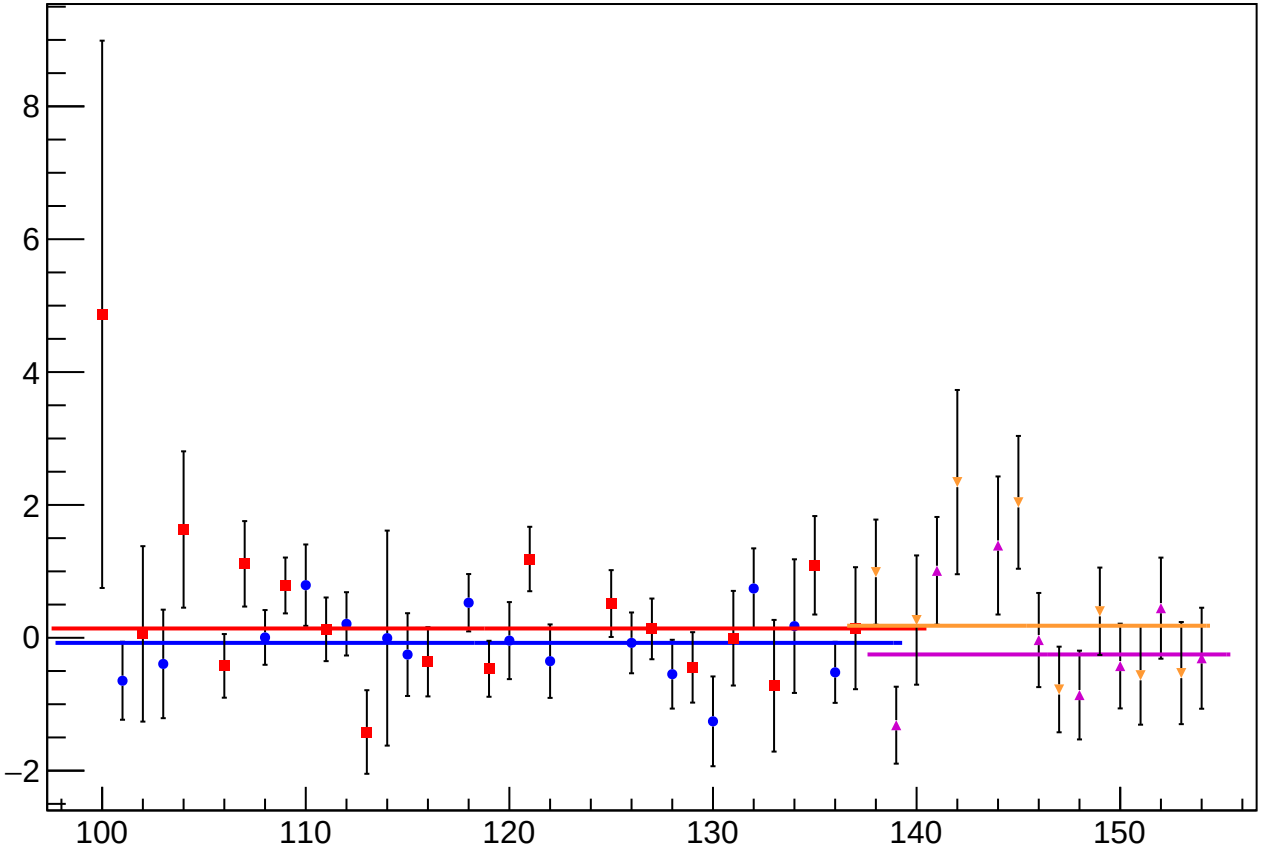
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 425.952+/-0.087 χ^2/NDF:3302009.9/23

Out: 405.937+/-0.088 χ^2/NDF:4005733.6/25

All: 416.078+/-0.062 χ^2/NDF: 7334094.7/49

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: -0.251+/-0.253 χ^2/NDF:10.1/7

Left: -0.059+/-0.189 χ^2/NDF: 22.5/15

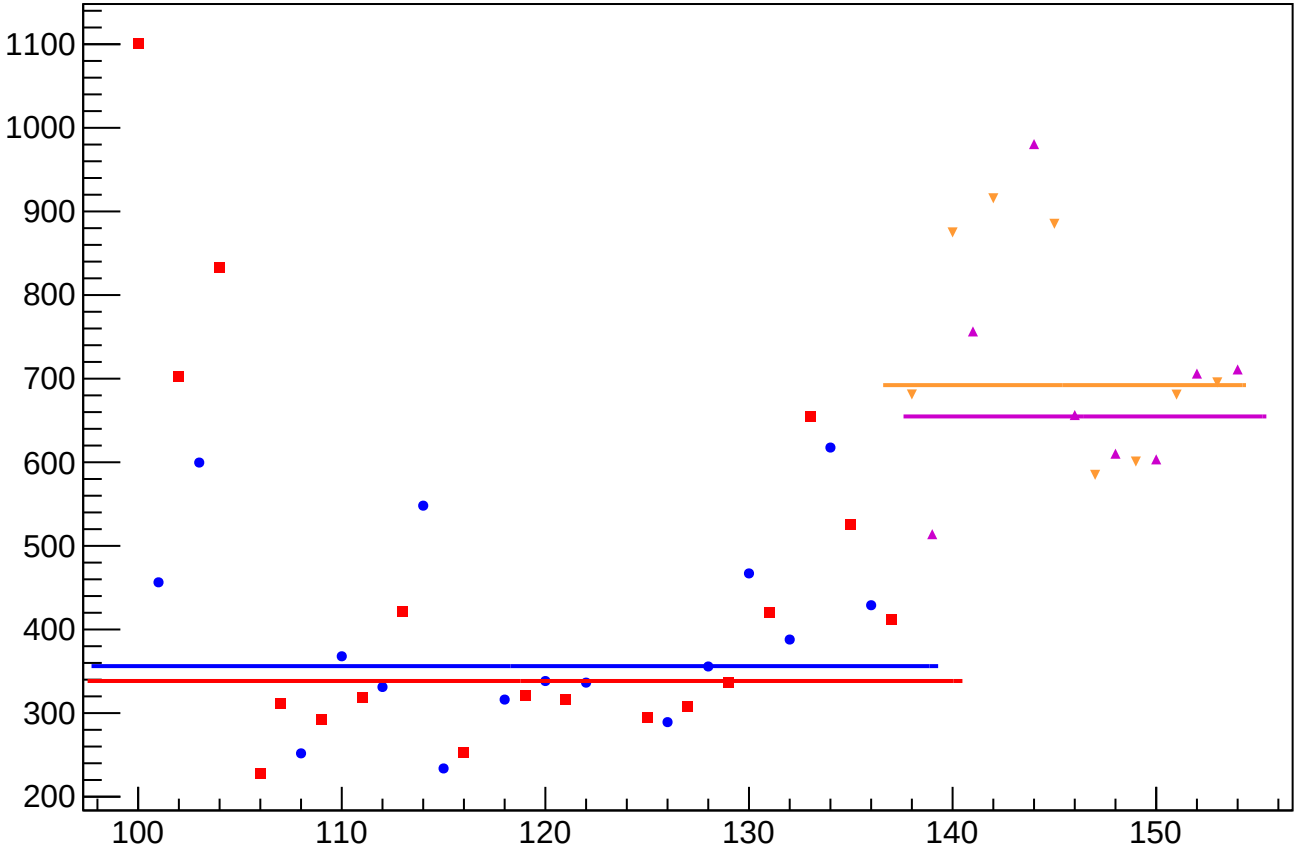
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.117+/-0.122 χ^2/NDF:23.0/23

Out: 0.148+/-0.124 χ^2/NDF:38.1/25

All: 0.014+/-0.087 χ^2/NDF: 63.4/49

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: 654.807+/-0.179 χ^2/NDF:388108.8/7

Left: 671.405+/-0.134 χ^2/NDF: 699312.5/15

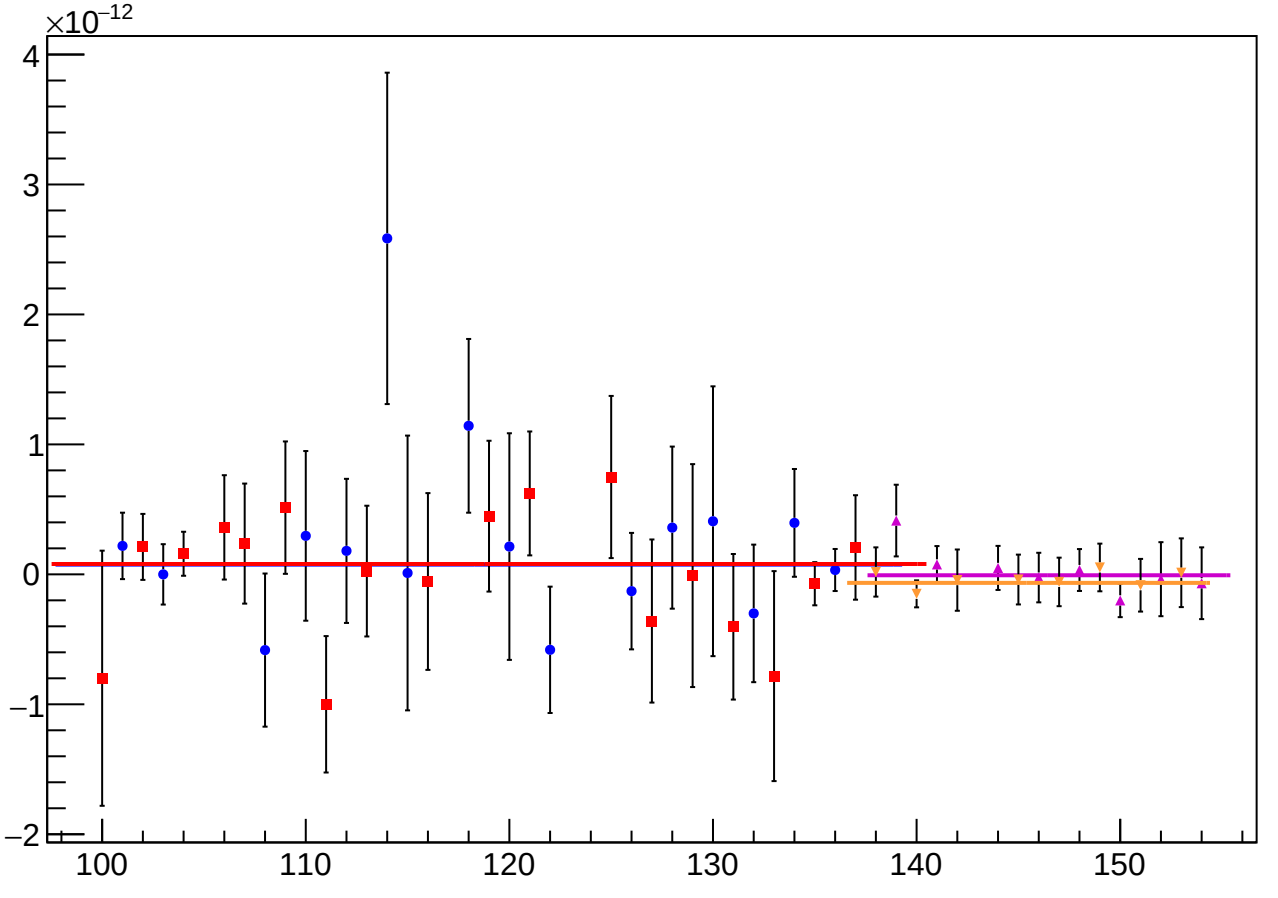
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 425.952+/-0.087 χ^2/NDF:3302009.9/23

Out: 405.937+/-0.088 χ^2/NDF:4005733.6/25

All: 416.078+/-0.062 χ^2/NDF: 7334094.7/49

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:5.2/7

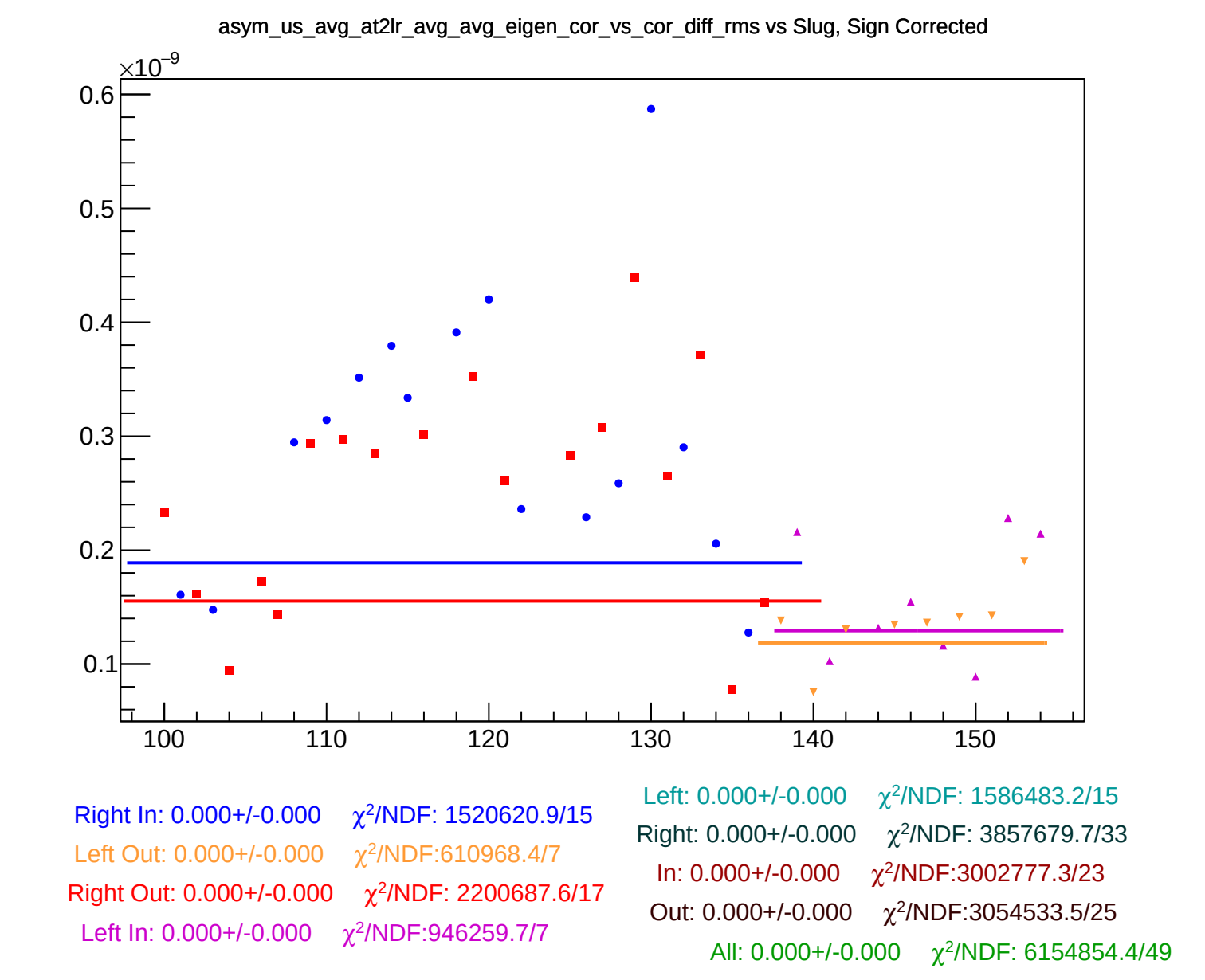
Left: -0.000+/-0.000 χ^2/NDF: 7.0/15

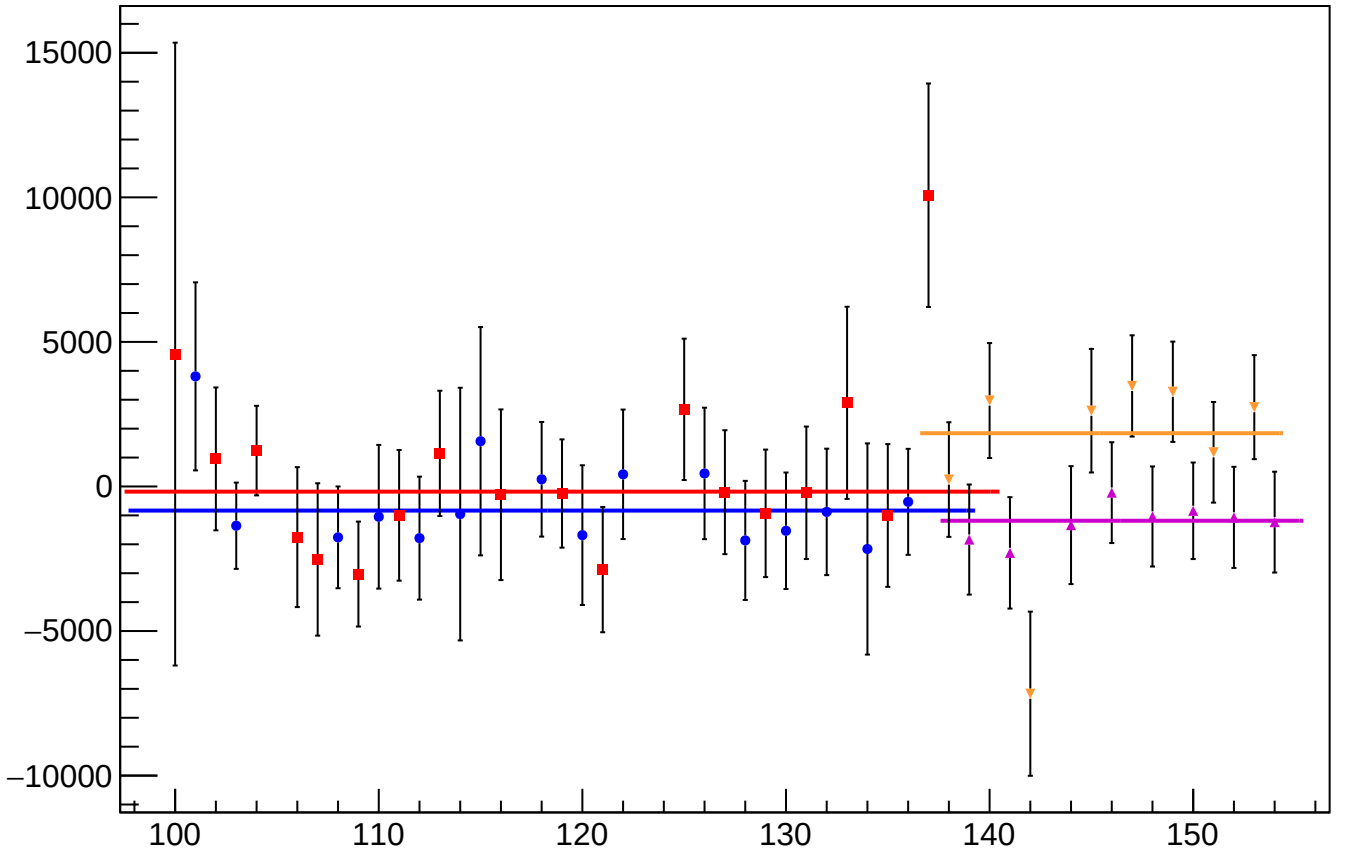
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:17.5/23

Out: -0.000+/-0.000 χ^2/NDF:16.4/25

All: -0.000+/-0.000 χ^2/NDF: 34.0/49


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:946259.7/7
Left: 0.000+/-0.000 χ²/NDF: 1586483.2/15
Right: 0.000+/-0.000 χ²/NDF: 3857679.7/33
In: 0.000+/-0.000 χ²/NDF:3002777.3/23
Out: 0.000+/-0.000 χ²/NDF:3054533.5/25
All: 0.000+/-0.000 χ²/NDF: 6154854.4/49



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: -1185.325+/-637.207 χ^2/NDF:0.8/7

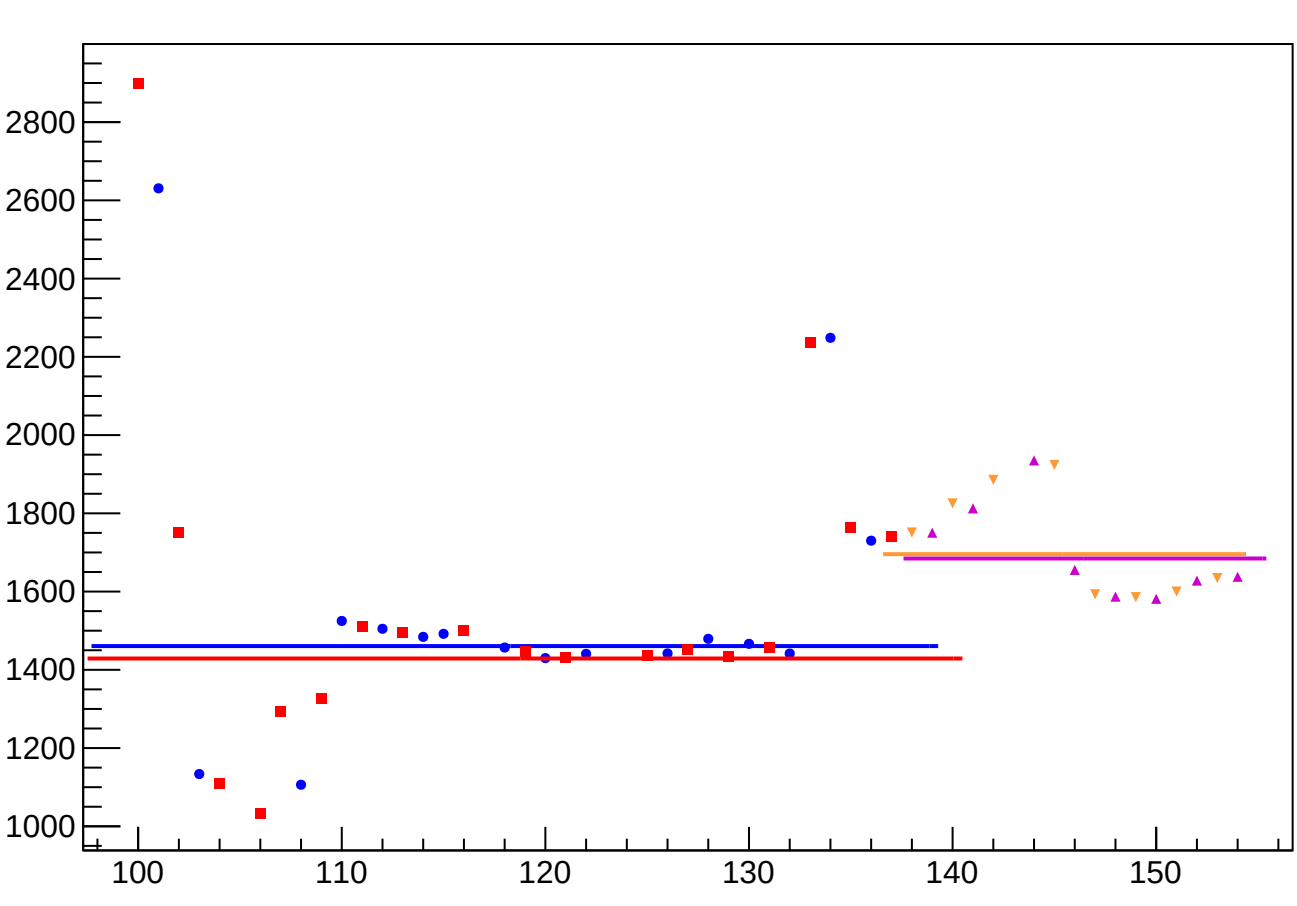
Left: 225.322+/-465.698 χ^2/NDF: 24.5/15

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -985.204+/-418.439 χ^2/NDF:5.6/23

Out: 613.873+/-427.171 χ^2/NDF:34.9/25

All: -202.175+/-298.920 χ^2/NDF: 47.7/49



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: 1684.575+/-0.451 χ^2/NDF:59490.9/7

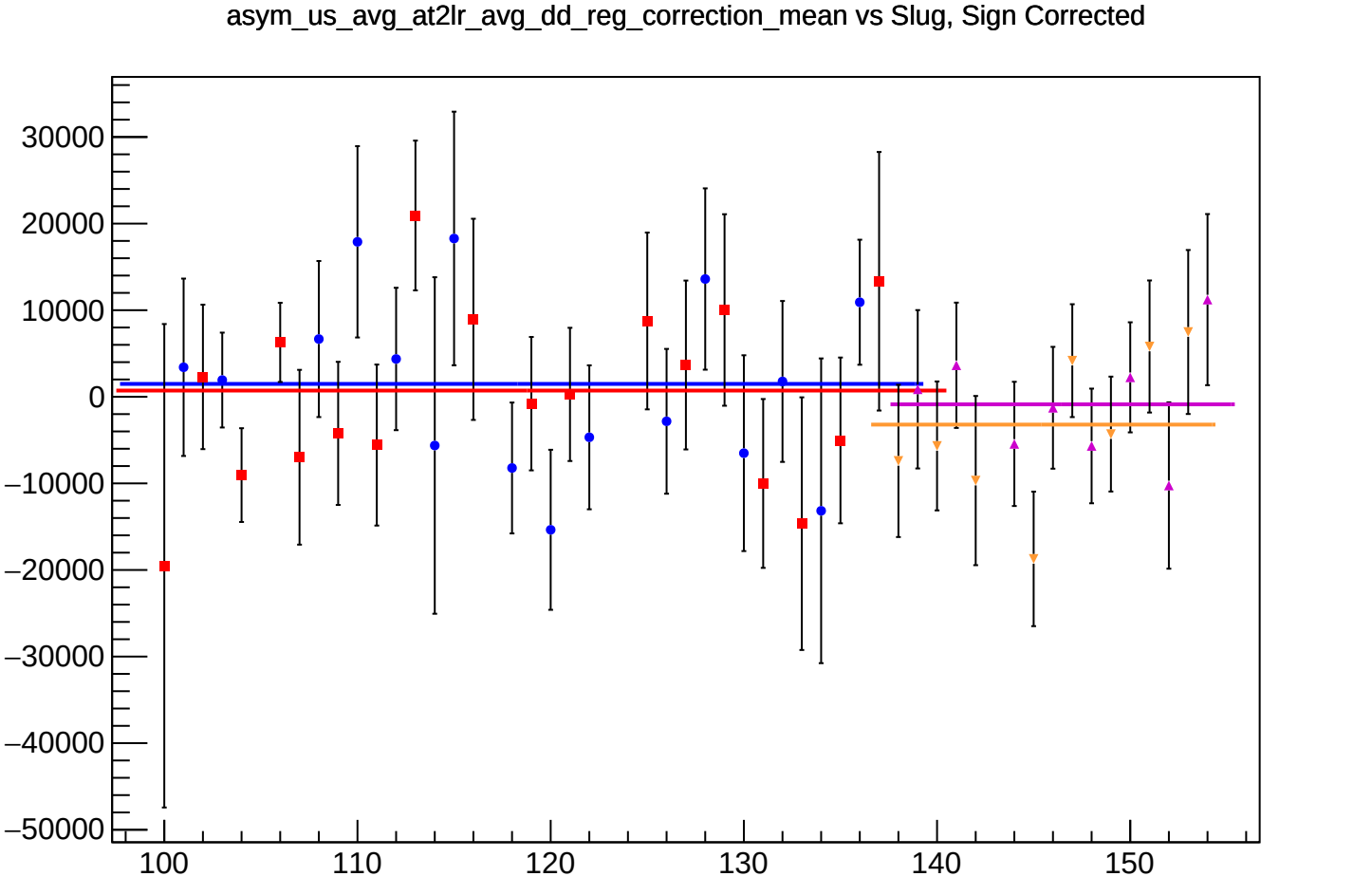
Left: 1689.740+/-0.329 χ^2/NDF: 124799.2/15

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1557.214+/-0.296 χ^2/NDF:775702.5/23

Out: 1532.548+/-0.301 χ^2/NDF:663212.1/25

All: 1545.080+/-0.211 χ^2/NDF: 1442333.4/49



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: -872.076+/-2678.746 χ^2/NDF:4.1/7

Left: -2013.016+/-1917.420 χ^2/NDF: 13.2/15

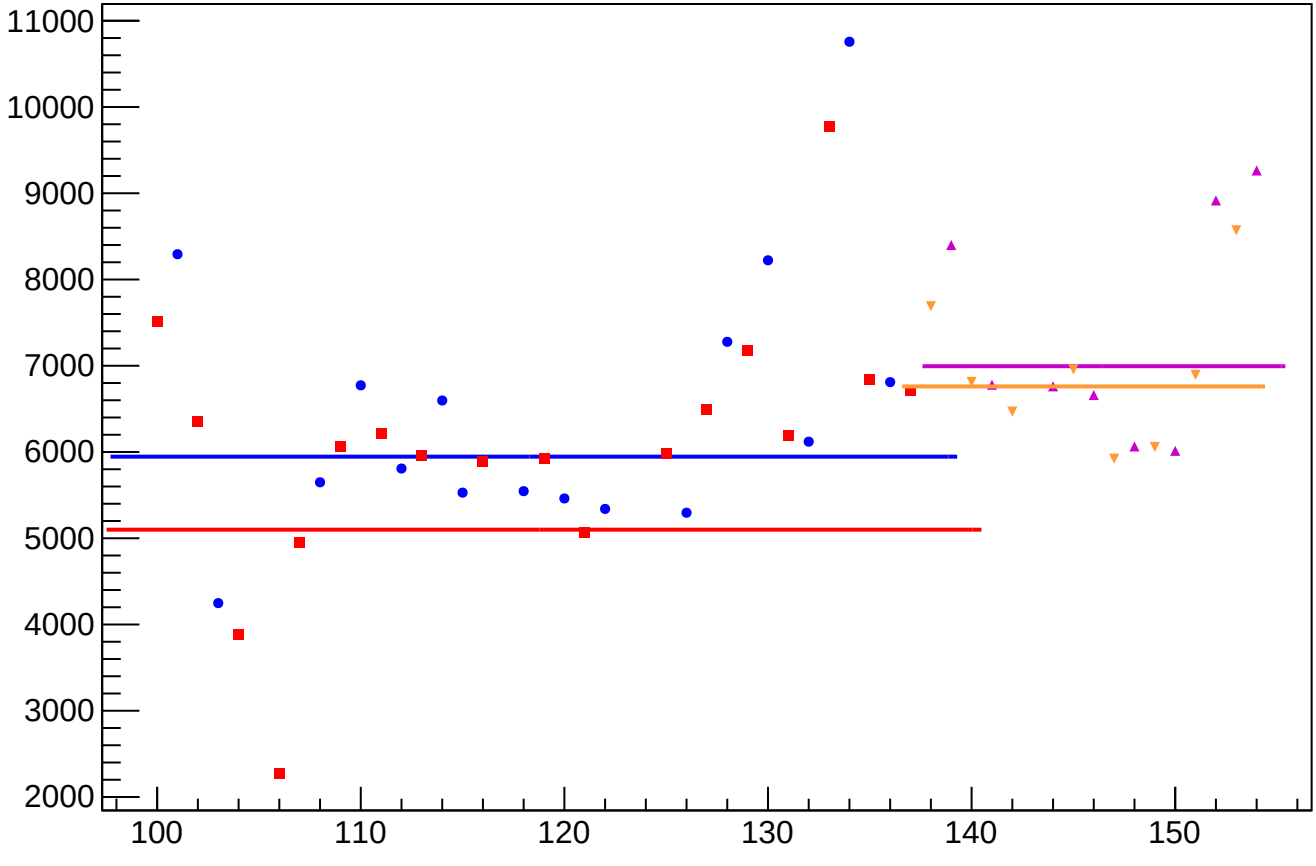
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 502.244+/-1730.937 χ^2/NDF:18.7/23

Out: -653.088+/-1622.698 χ^2/NDF:27.6/25

All: -112.671+/-1183.837 χ^2/NDF: 46.5/49

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: 6994.665+/-1.894 χ^2/NDF:328331.7/7

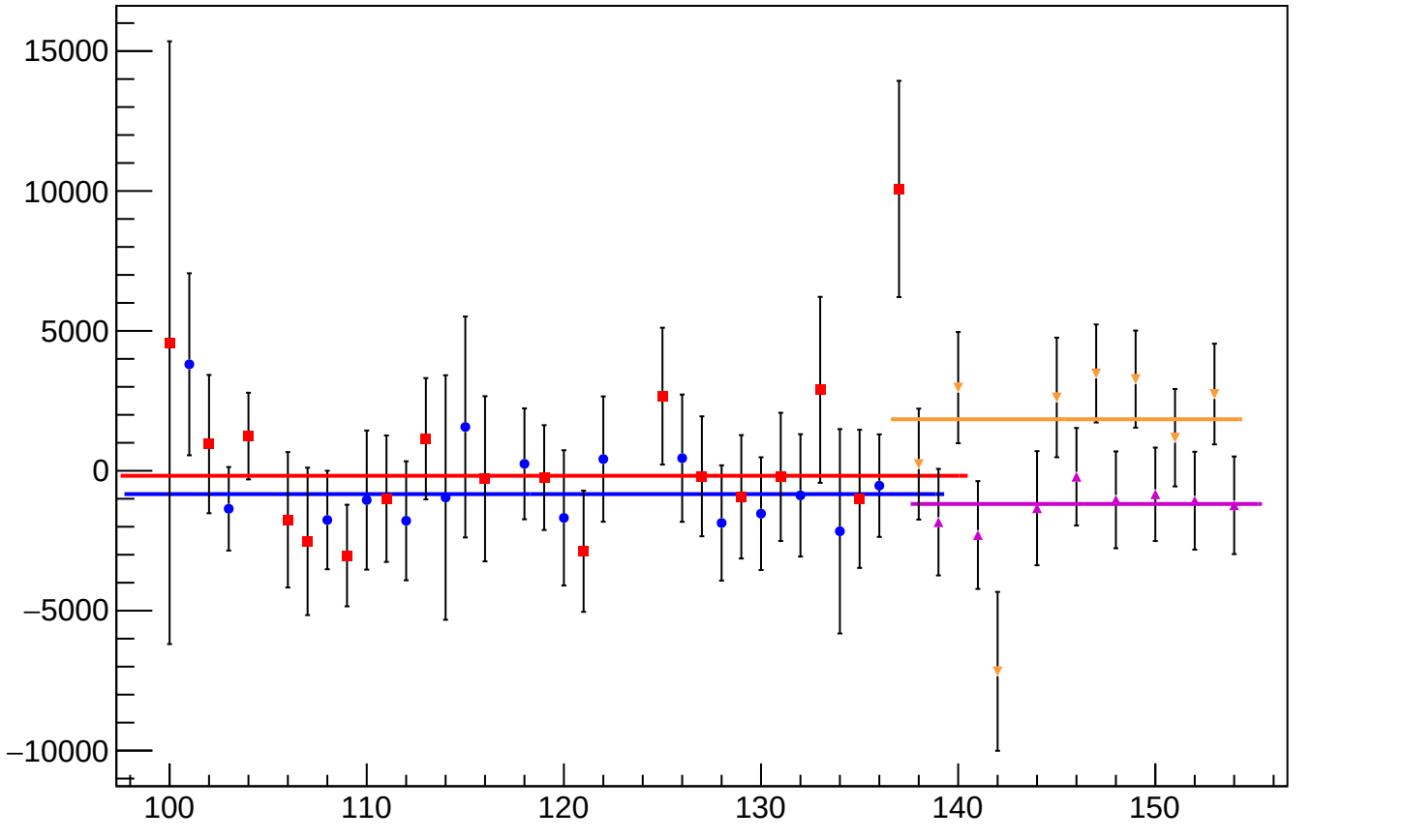
Left: 6880.336+/-1.356 χ^2/NDF: 490523.3/15

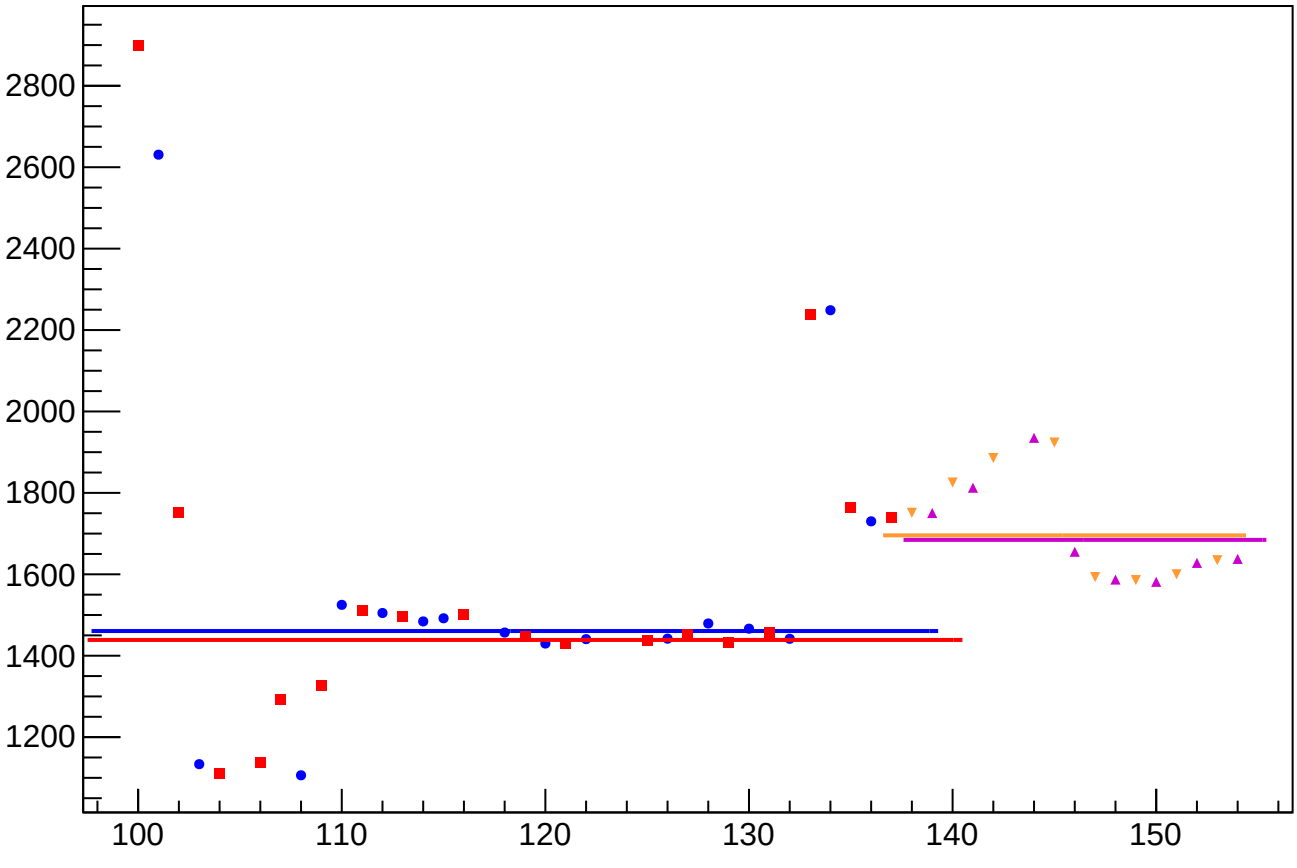
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6383.907+/-1.224 χ^2/NDF:1147963.6/23

Out: 5679.433+/-1.147 χ^2/NDF:2111259.4/25

All: 6008.957+/-0.837 χ^2/NDF: 3435545.1/49


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: -1185.370+/-637.207 χ²/NDF:0.8/7
Left: 225.298+/-465.698 χ²/NDF: 24.5/15
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -985.259+/-418.439 χ²/NDF:5.6/23
Out: 613.969+/-427.171 χ²/NDF:34.9/25
All: -202.156+/-298.920 χ²/NDF: 47.7/49



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: 1684.575+/-0.451 χ^2/NDF:59490.9/7

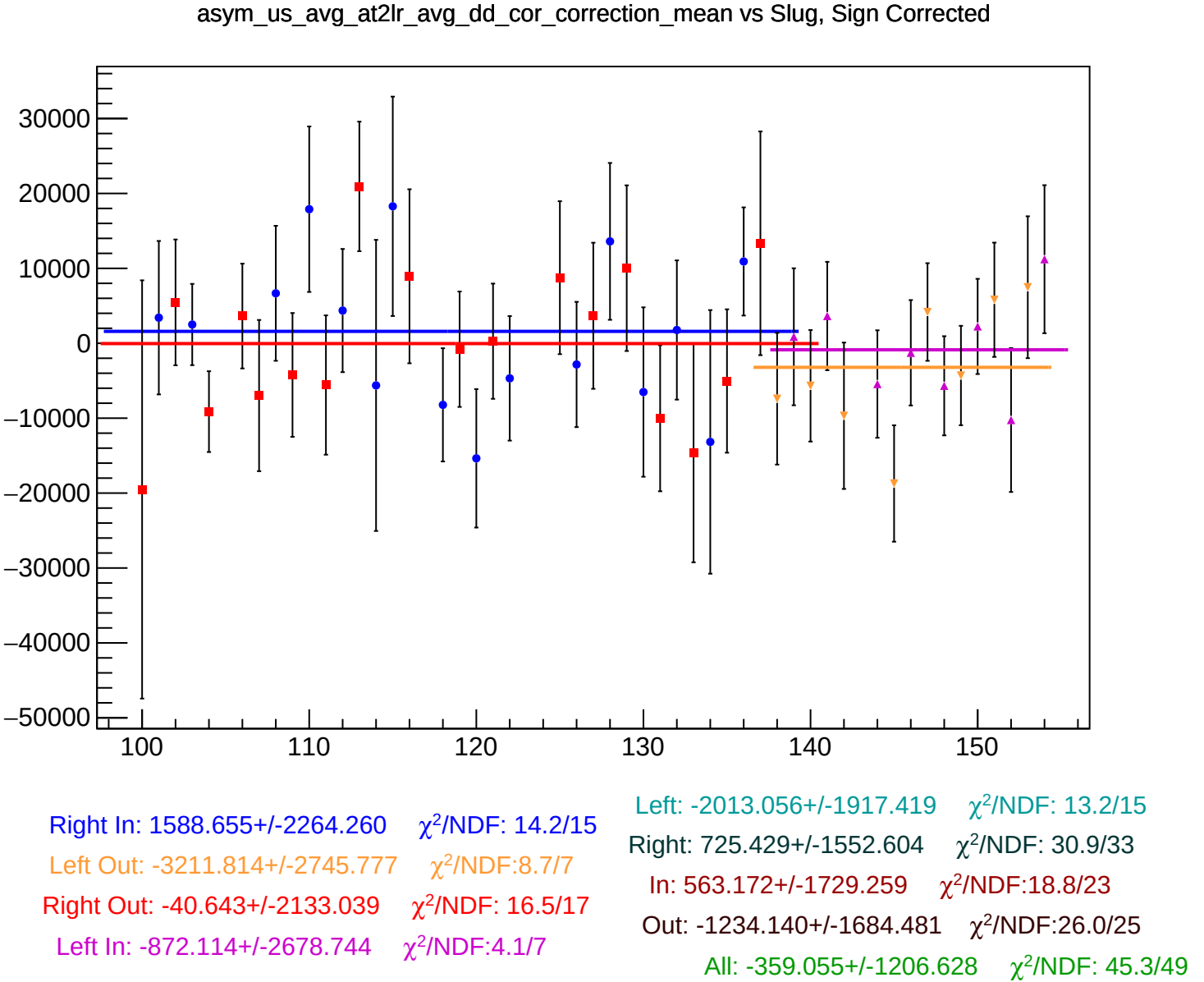
Left: 1689.740+/-0.329 χ^2/NDF: 124799.2/15

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

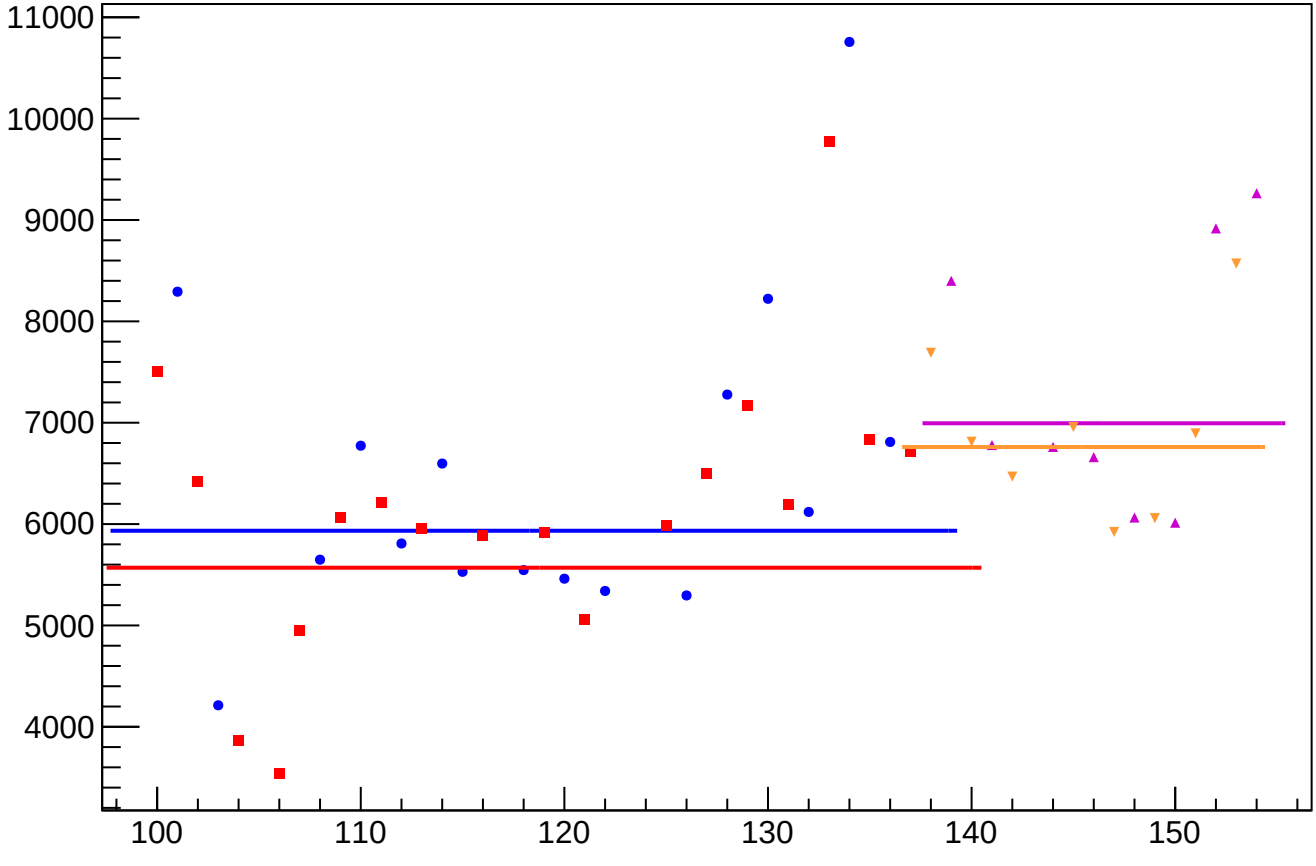
In: 1557.214+/-0.296 χ^2/NDF:775702.9/23

Out: 1539.181+/-0.302 χ^2/NDF:611106.6/25

All: 1548.371+/-0.211 χ^2/NDF: 1388631.0/49


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: -872.114+/-2678.744 χ²/NDF:4.1/7
Left: -2013.056+/-1917.419 χ²/NDF: 13.2/15
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 563.172+/-1729.259 χ²/NDF:18.8/23
Out: -1234.140+/-1684.481 χ²/NDF:26.0/25
All: -359.055+/-1206.628 χ²/NDF: 45.3/49

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: 6994.658+/-1.894 χ^2/NDF:328331.7/7

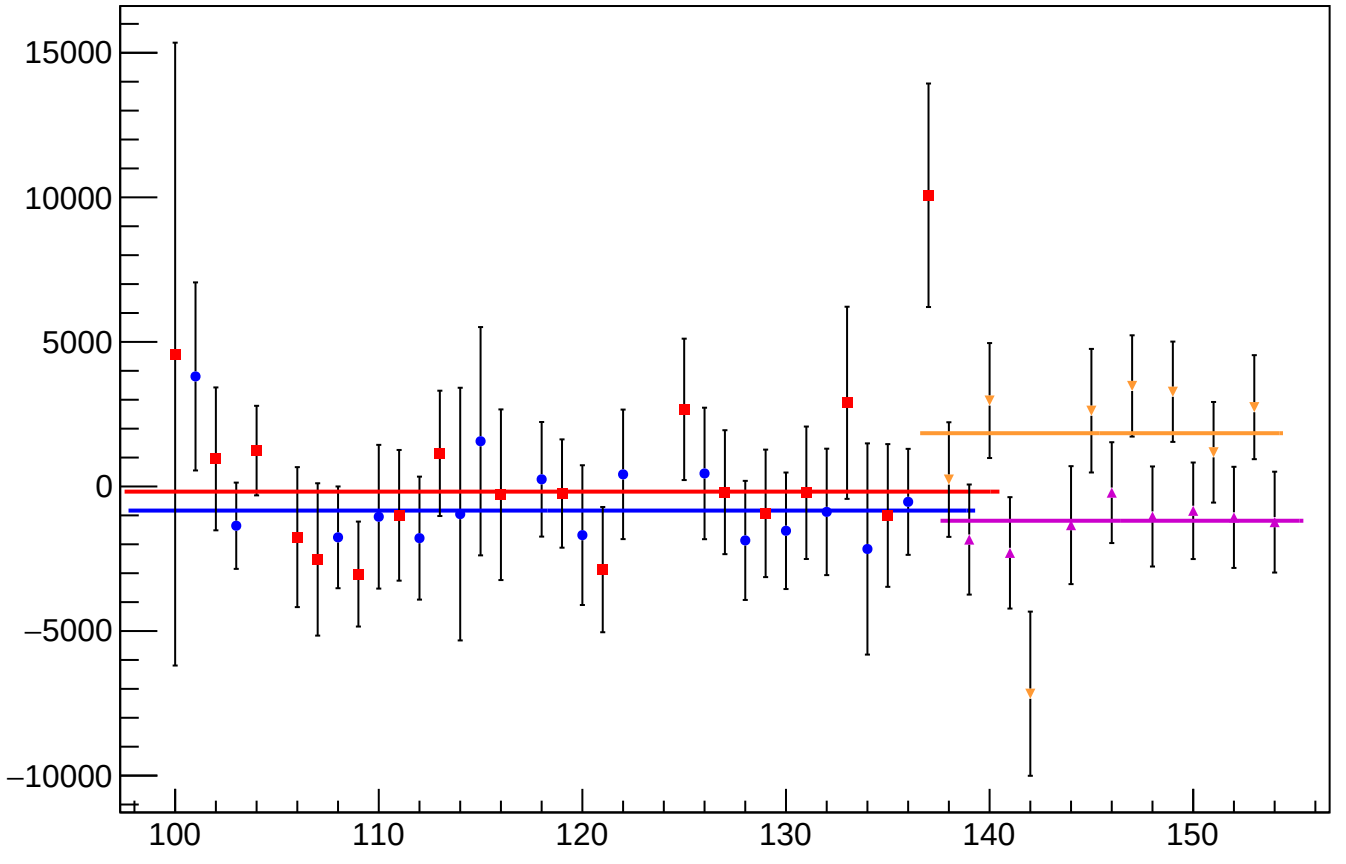
Left: 6880.330+/-1.356 χ^2/NDF: 490523.7/15

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6376.133+/-1.223 χ^2/NDF:1164230.9/23

Out: 6017.699+/-1.191 χ^2/NDF:1113283.3/25

All: 6192.215+/-0.853 χ^2/NDF: 2321604.4/49



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1842.665+/-682.295 χ^2/NDF:13.1/7

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1185.370+/-637.207 χ^2/NDF:0.8/7

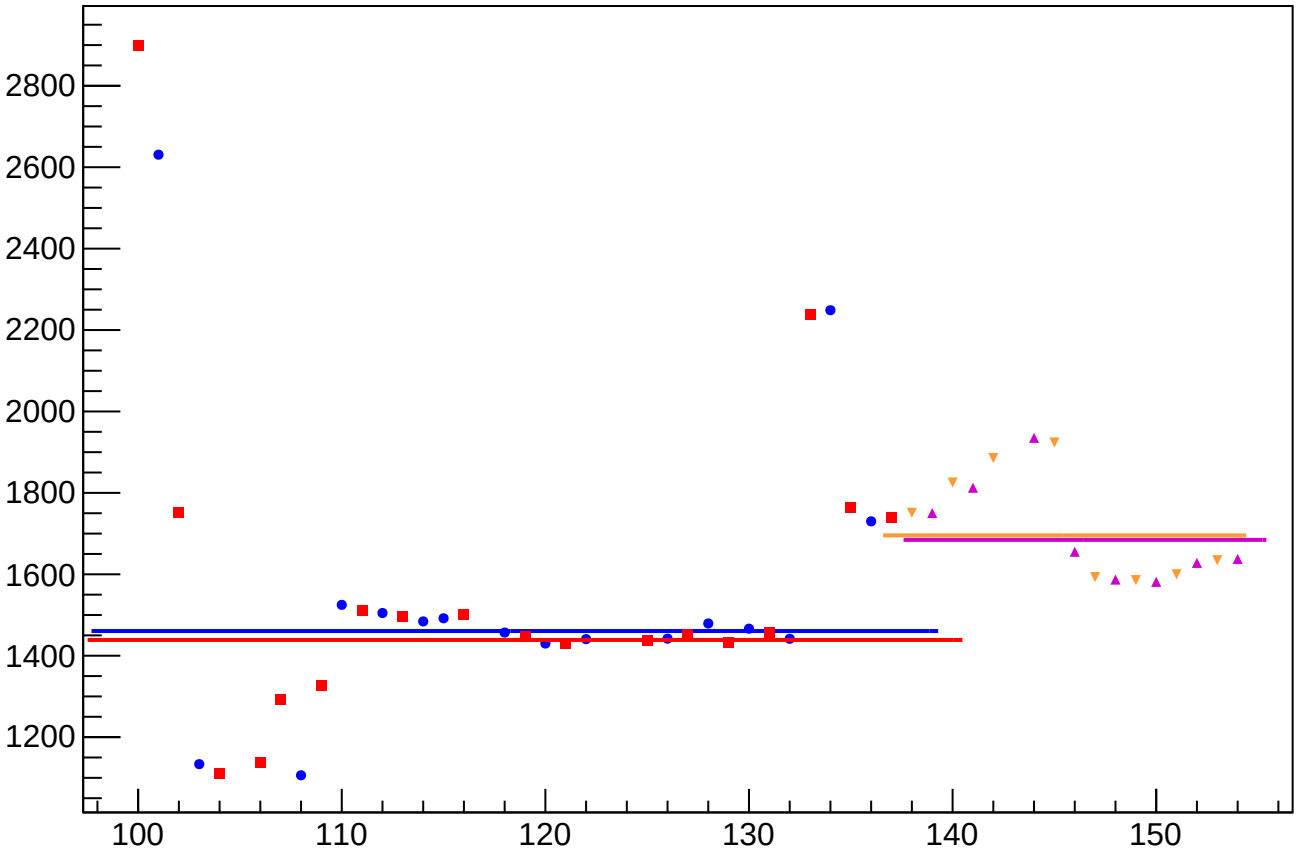
Left: 225.298+/-465.698 χ^2/NDF: 24.5/15

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -985.259+/-418.439 χ^2/NDF:5.6/23

Out: 613.969+/-427.171 χ^2/NDF:34.9/25

All: -202.156+/-298.920 χ^2/NDF: 47.7/49



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: 1684.575+/-0.451 χ^2/NDF:59490.9/7

Left: 1689.740+/-0.329 χ^2/NDF: 124799.2/15

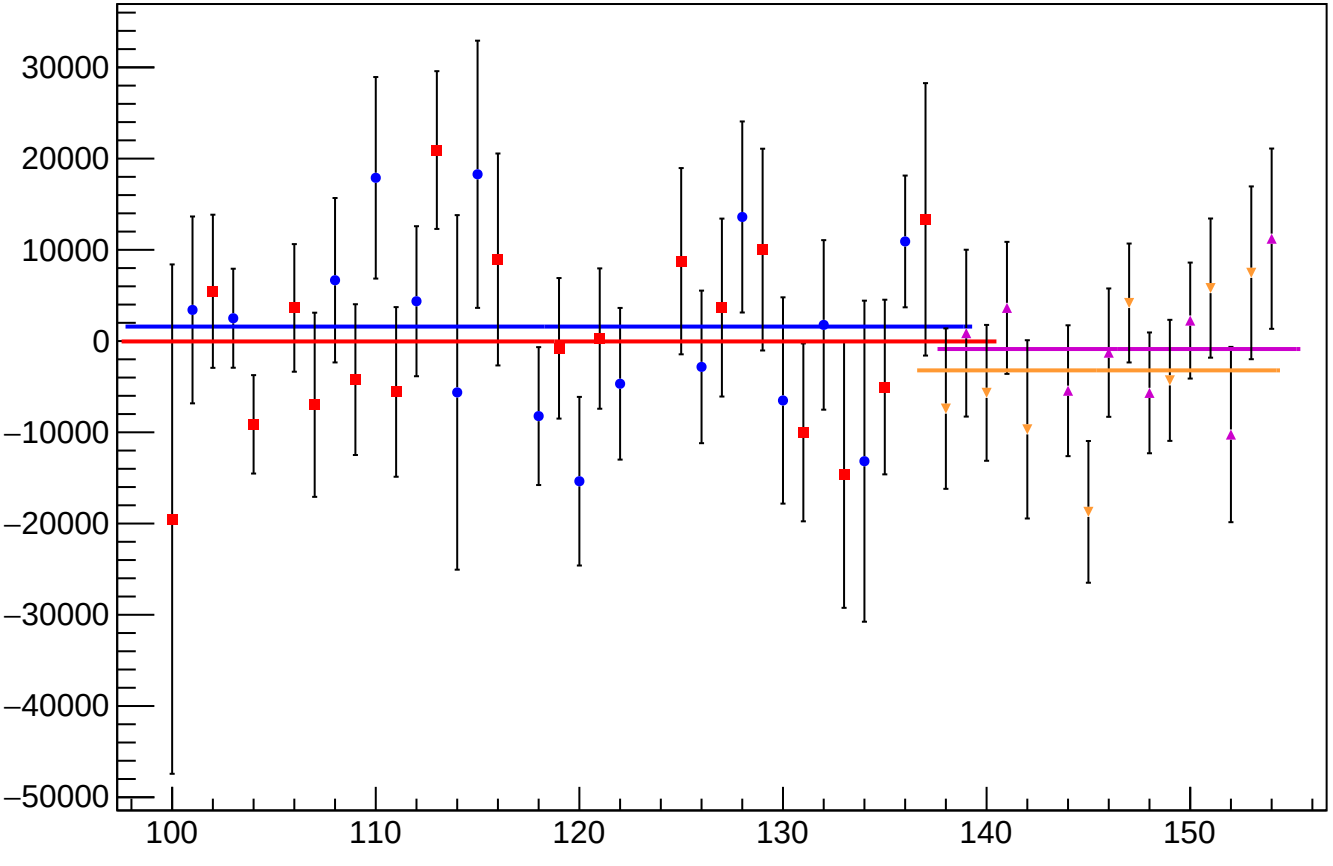
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1557.214+/-0.296 χ^2/NDF:775702.9/23

Out: 1539.181+/-0.302 χ^2/NDF:611106.6/25

All: 1548.371+/-0.211 χ^2/NDF: 1388631.0/49

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: -872.114+/-2678.744 χ^2/NDF:4.1/7

Left: -2013.056+/-1917.419 χ^2/NDF: 13.2/15

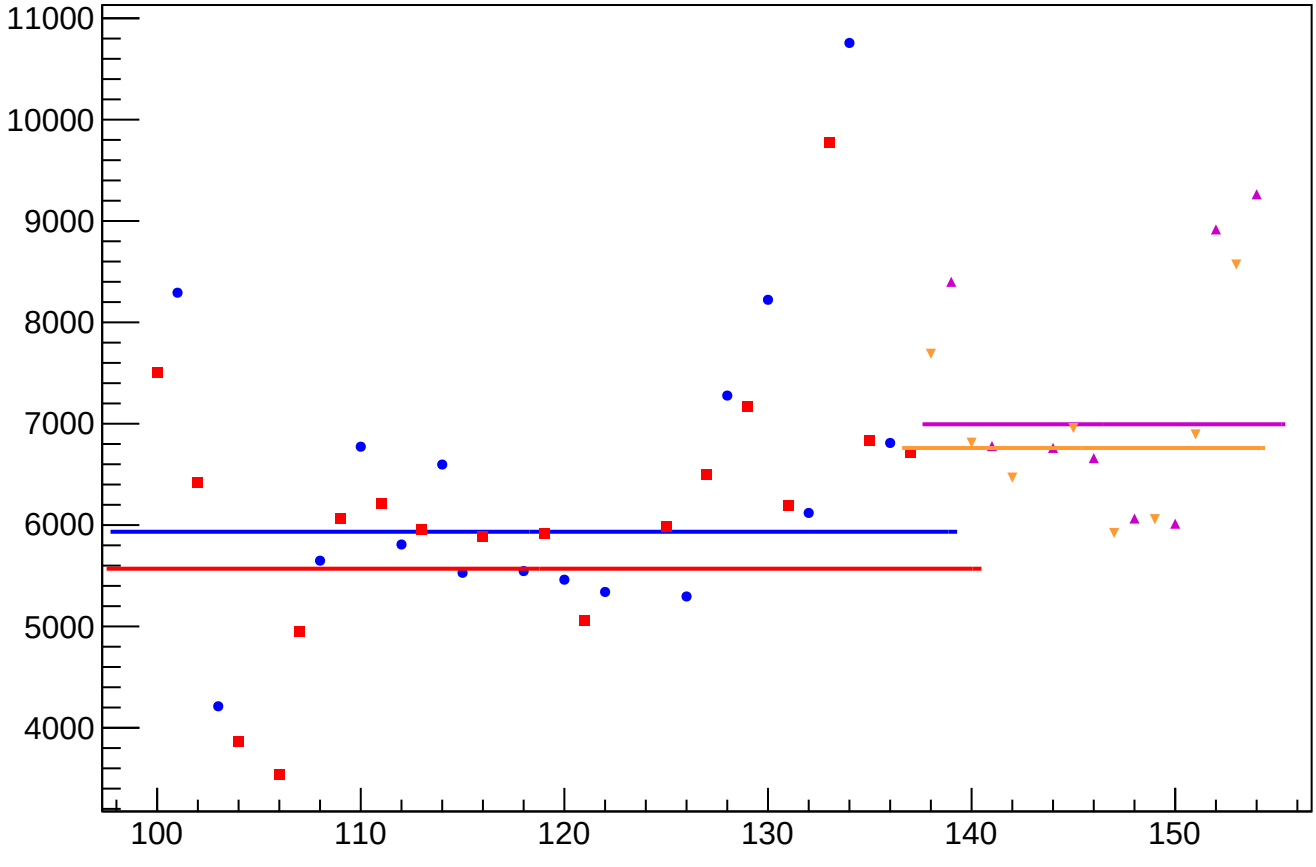
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 563.172+/-1729.259 χ^2/NDF:18.8/23

Out: -1234.140+/-1684.481 χ^2/NDF:26.0/25

All: -359.055+/-1206.628 χ^2/NDF: 45.3/49

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: 6994.658+/-1.894 χ^2/NDF:328331.7/7

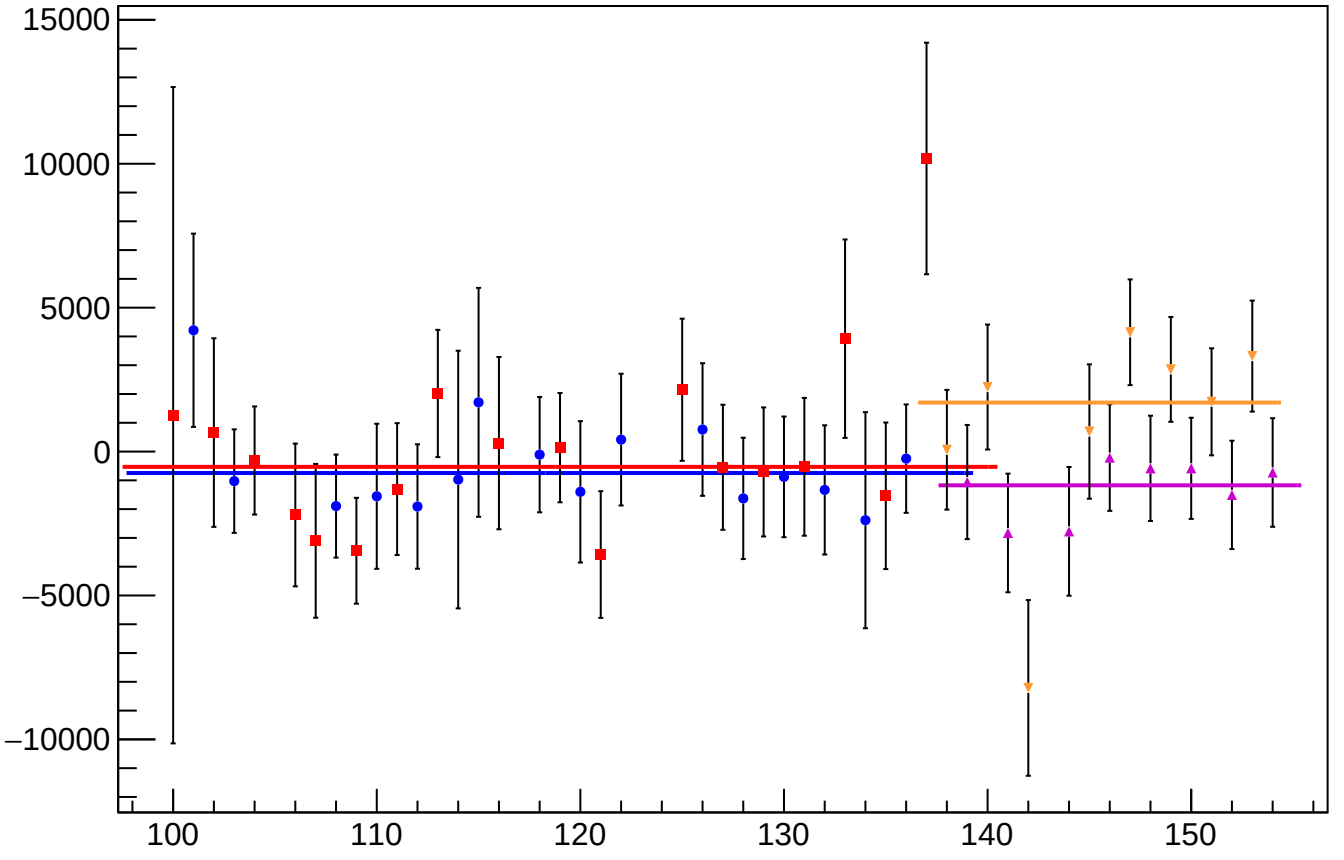
Left: 6880.330+/-1.356 χ^2/NDF: 490523.7/15

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6376.133+/-1.223 χ^2/NDF:1164230.9/23

Out: 6017.699+/-1.191 χ^2/NDF:1113283.3/25

All: 6192.215+/-0.853 χ^2/NDF: 2321604.4/49



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: -1172.943+/-679.113 χ^2/NDF:1.7/7

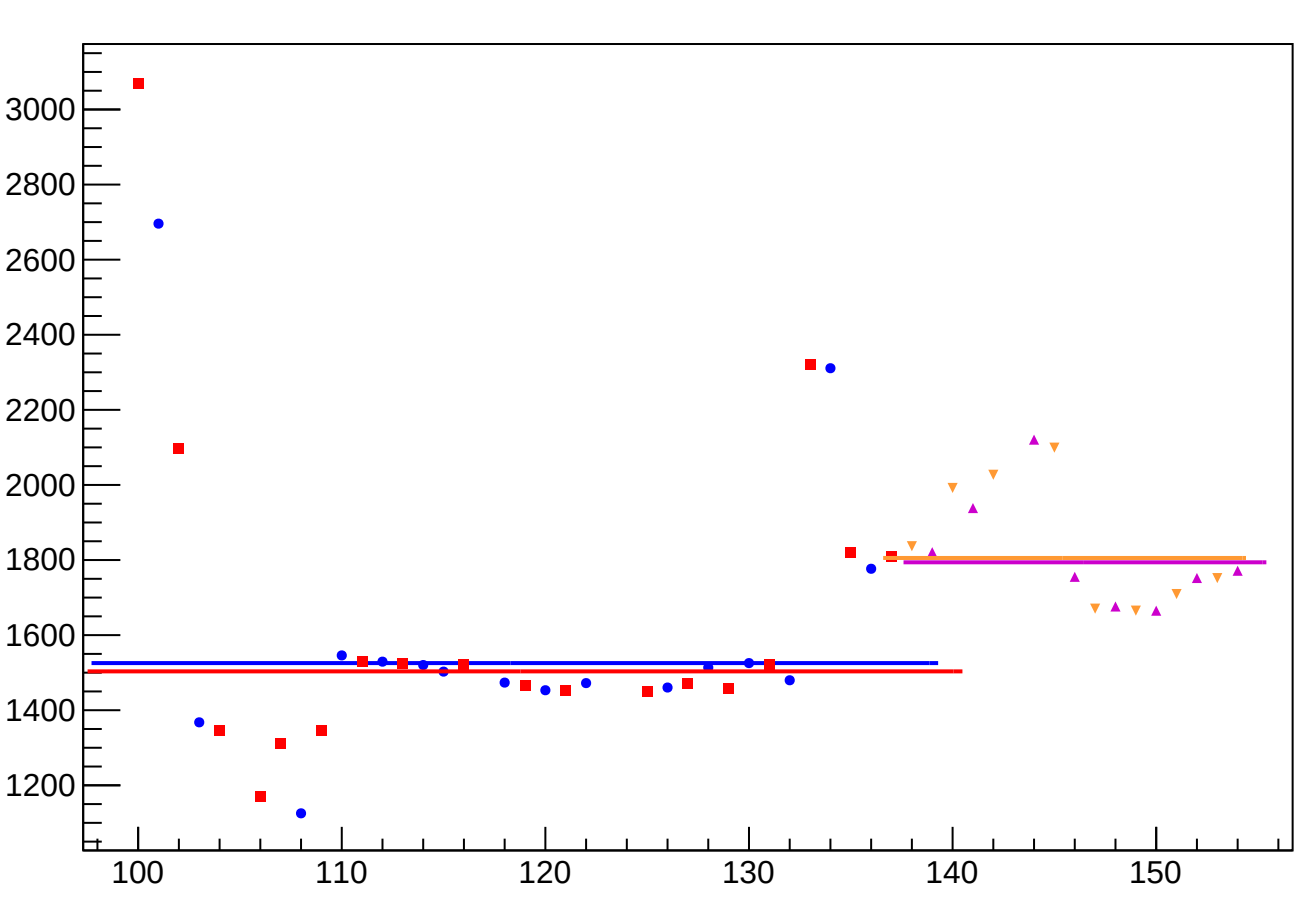
Left: 166.285+/-496.385 χ^2/NDF: 24.4/15

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -925.327+/-440.191 χ^2/NDF:6.7/23

Out: 328.039+/-451.130 χ^2/NDF:37.8/25

All: -314.024+/-315.058 χ^2/NDF: 48.5/49



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: 1793.939+/-0.480 χ^2/NDF:74100.2/7

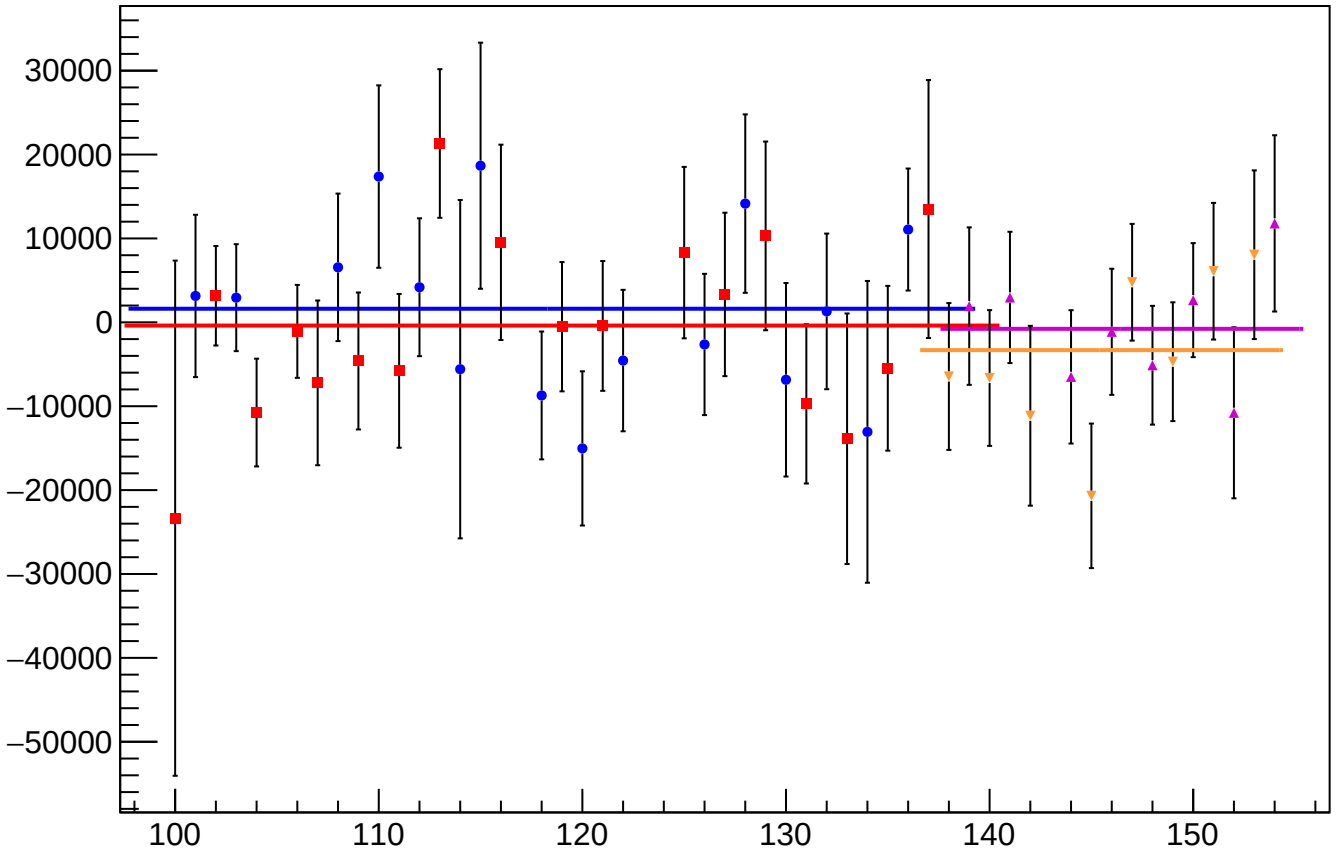
Left: 1799.324+/-0.351 χ^2/NDF: 161354.7/15

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1638.304+/-0.311 χ^2/NDF:743579.5/23

Out: 1619.594+/-0.319 χ^2/NDF:637783.6/25

All: 1629.177+/-0.223 χ^2/NDF: 1383125.5/49



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: -775.630+/-2869.027 χ^2/NDF:3.9/7

Left: -2015.782+/-2051.777 χ^2/NDF: 13.1/15

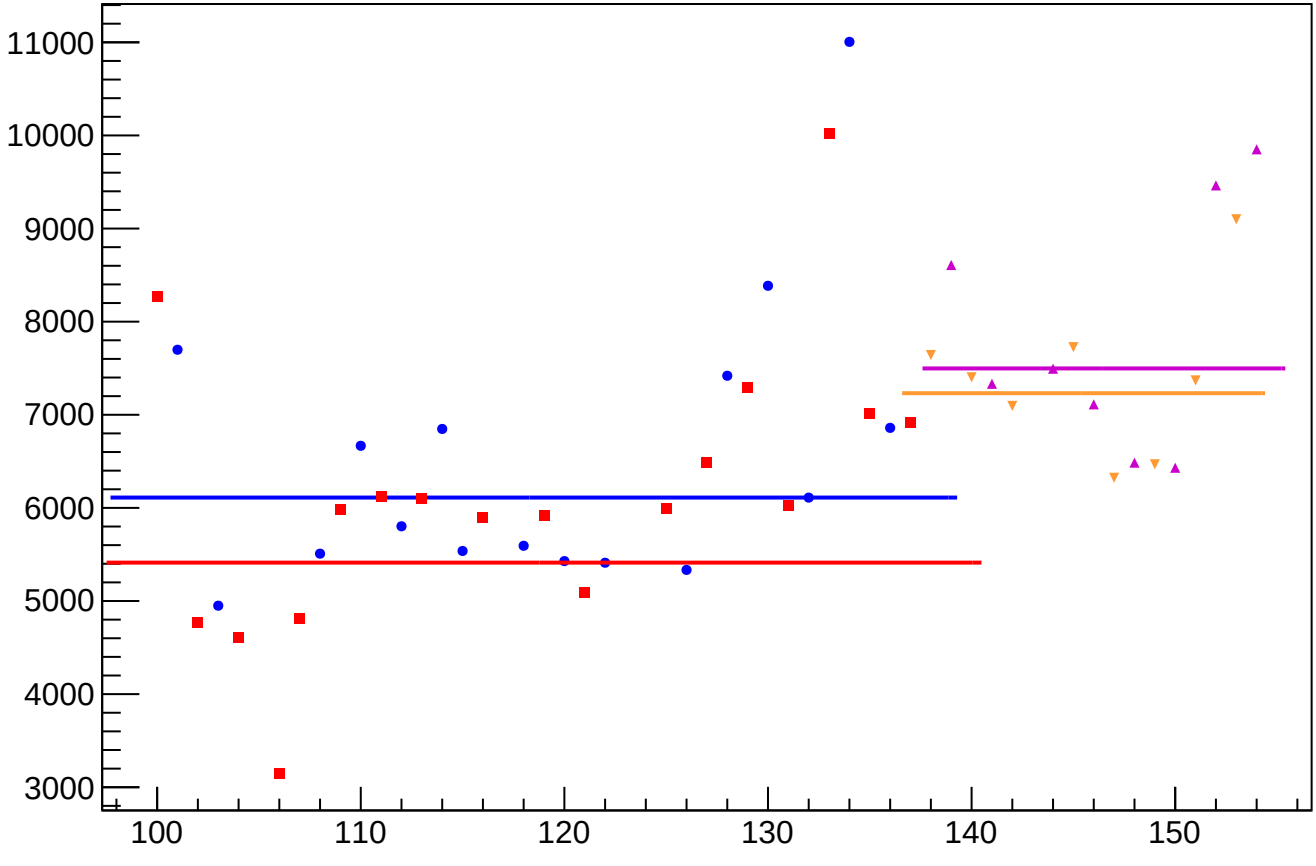
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 672.869+/-1804.006 χ^2/NDF:18.5/23

Out: -1352.679+/-1686.686 χ^2/NDF:25.6/25

All: -407.906+/-1232.056 χ^2/NDF: 44.8/49

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: 7497.781+/-2.029 χ^2/NDF:298904.9/7

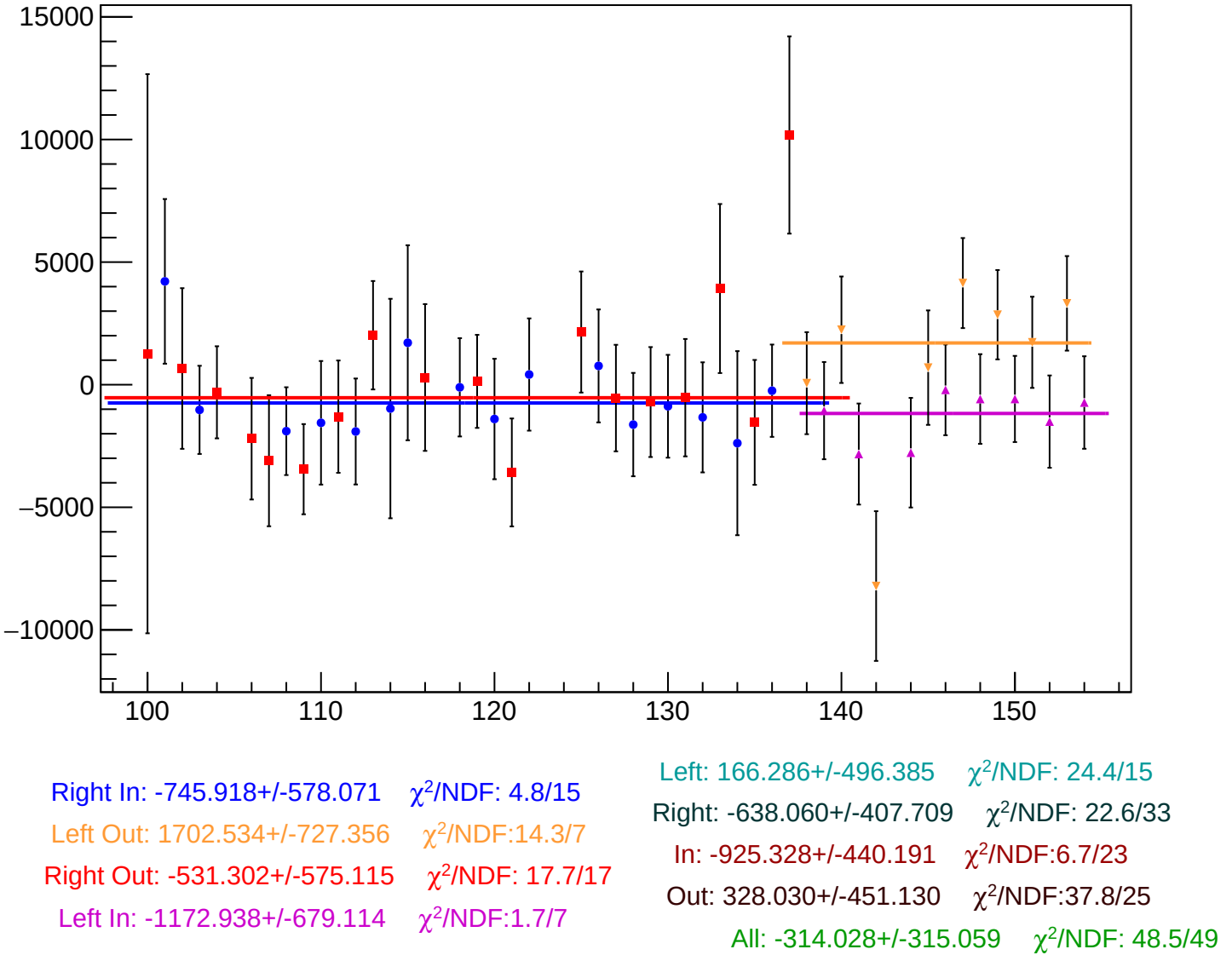
Left: 7367.828+/-1.451 χ^2/NDF: 446431.7/15

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6659.318+/-1.276 χ^2/NDF:1053081.4/23

Out: 6013.014+/-1.193 χ^2/NDF:1475378.3/25

All: 6314.469+/-0.871 χ^2/NDF: 2665427.7/49


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
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−5000
−10000
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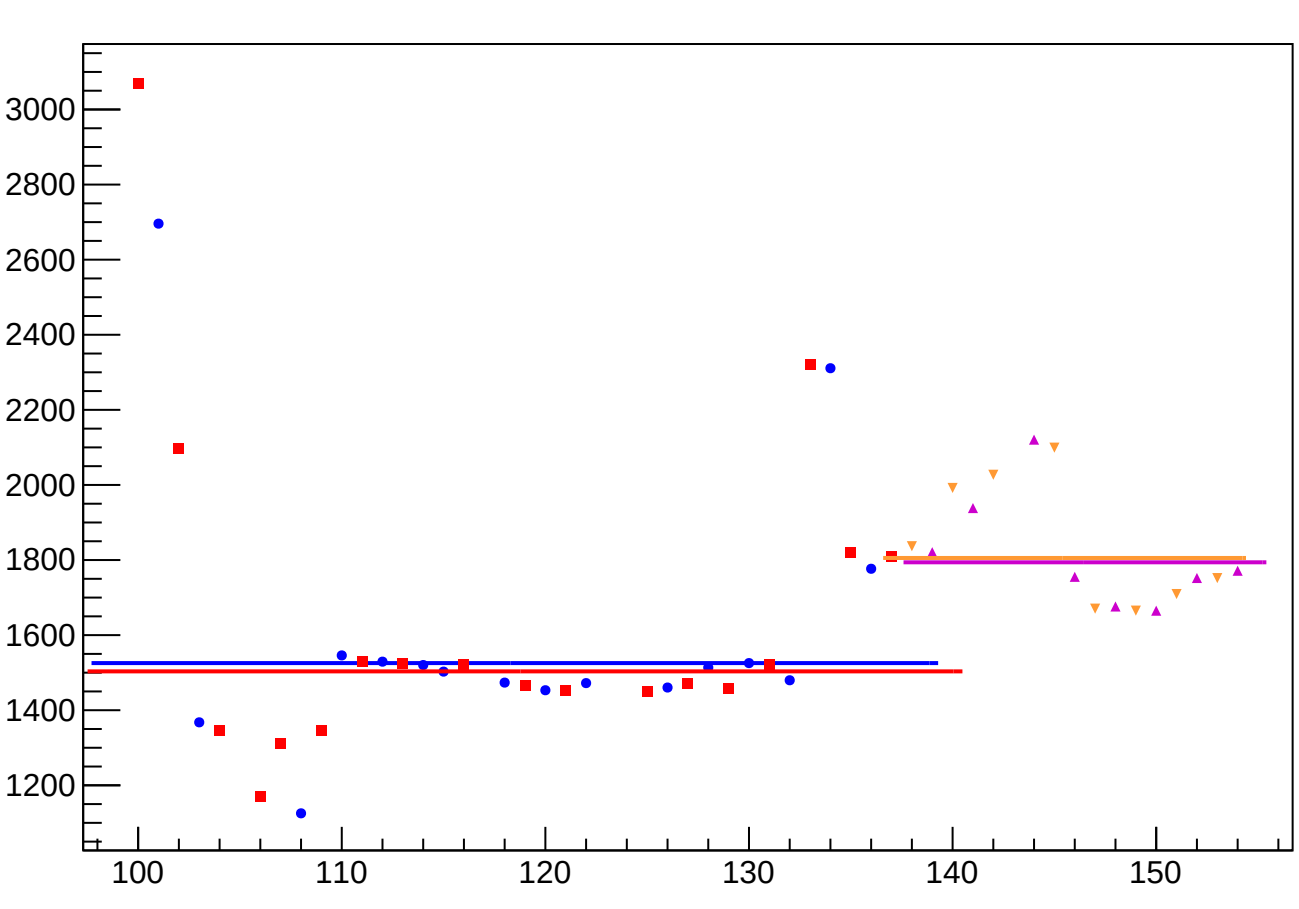
110
120
130
140
150
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1702.534+/-727.356 χ²/NDF:14.3/7
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1172.938+/-679.114 χ²/NDF:1.7/7
Left: 166.286+/-496.385 χ²/NDF: 24.4/15
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -925.328+/-440.191 χ²/NDF:6.7/23
Out: 328.030+/-451.130 χ²/NDF:37.8/25
All: -314.028+/-315.059 χ²/NDF: 48.5/49



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: 1793.941+/-0.480 χ^2/NDF:74100.4/7

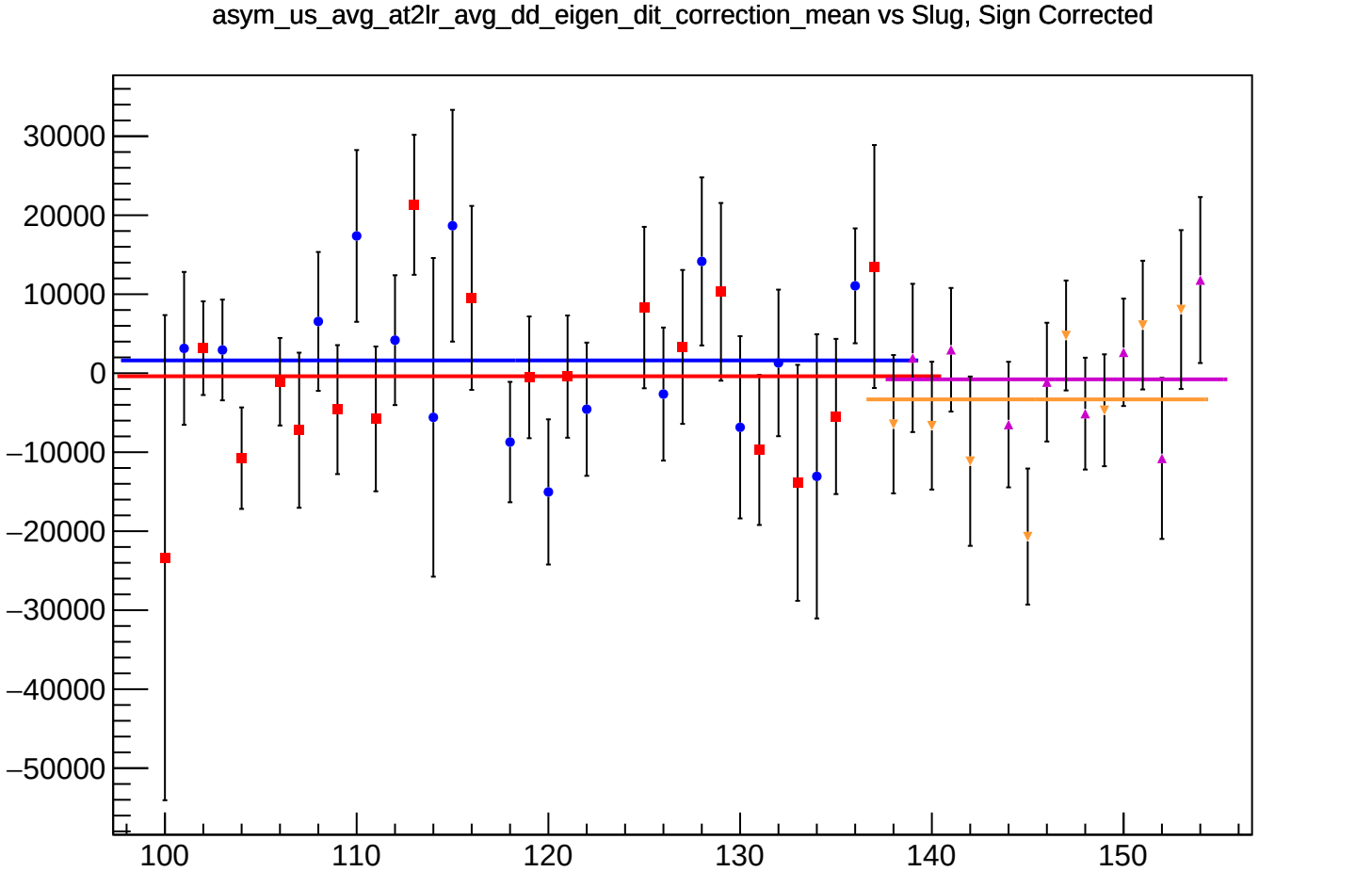
Left: 1799.326+/-0.351 χ^2/NDF: 161355.8/15

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1638.304+/-0.311 χ^2/NDF:743582.0/23

Out: 1619.595+/-0.319 χ^2/NDF:637786.9/25

All: 1629.178+/-0.223 χ^2/NDF: 1383131.4/49



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: -775.625+/-2869.030 χ^2/NDF:3.9/7

Left: -2015.781+/-2051.779 χ^2/NDF: 13.1/15

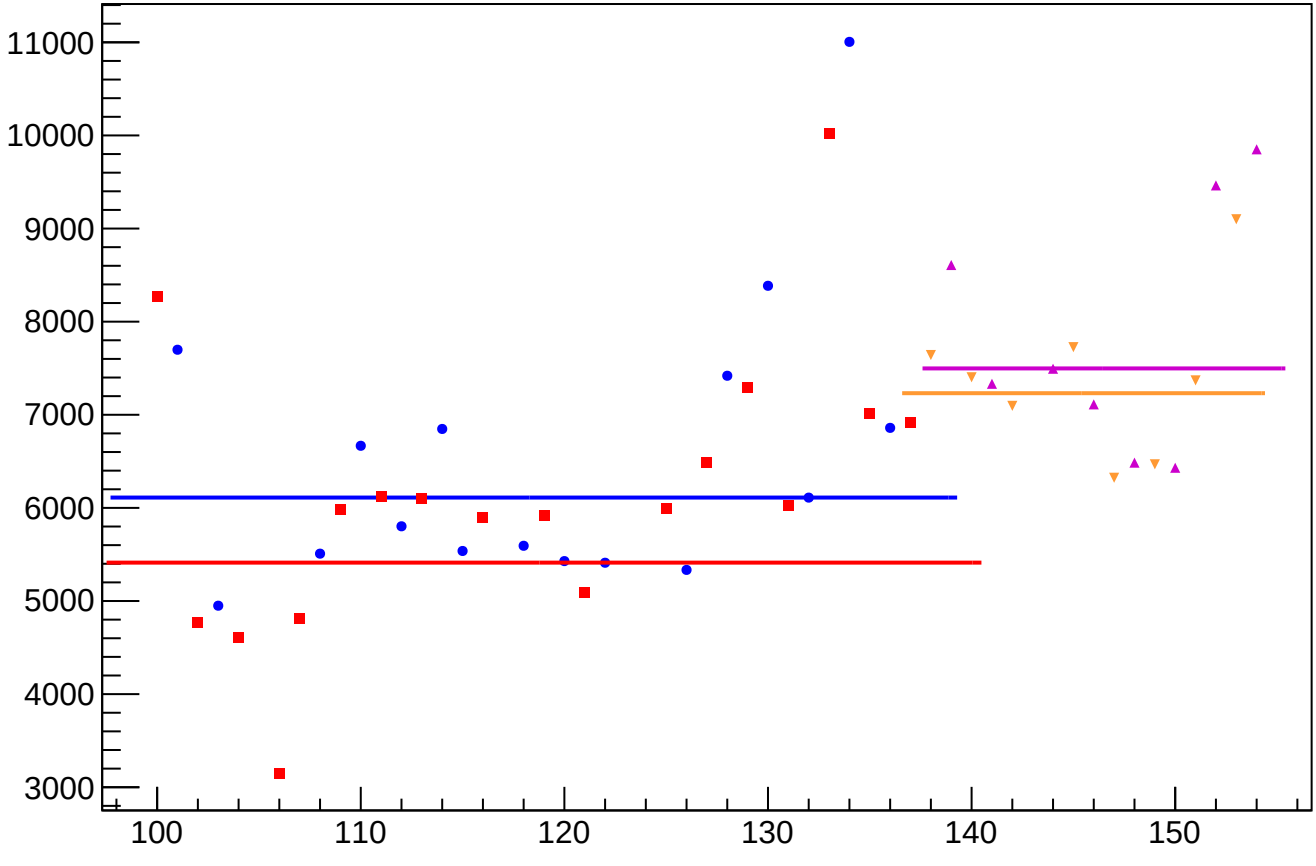
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 672.862+/-1804.004 χ^2/NDF:18.5/23

Out: -1352.680+/-1686.684 χ^2/NDF:25.6/25

All: -407.909+/-1232.055 χ^2/NDF: 44.8/49

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: 7497.790+/-2.029 χ^2/NDF:298905.4/7

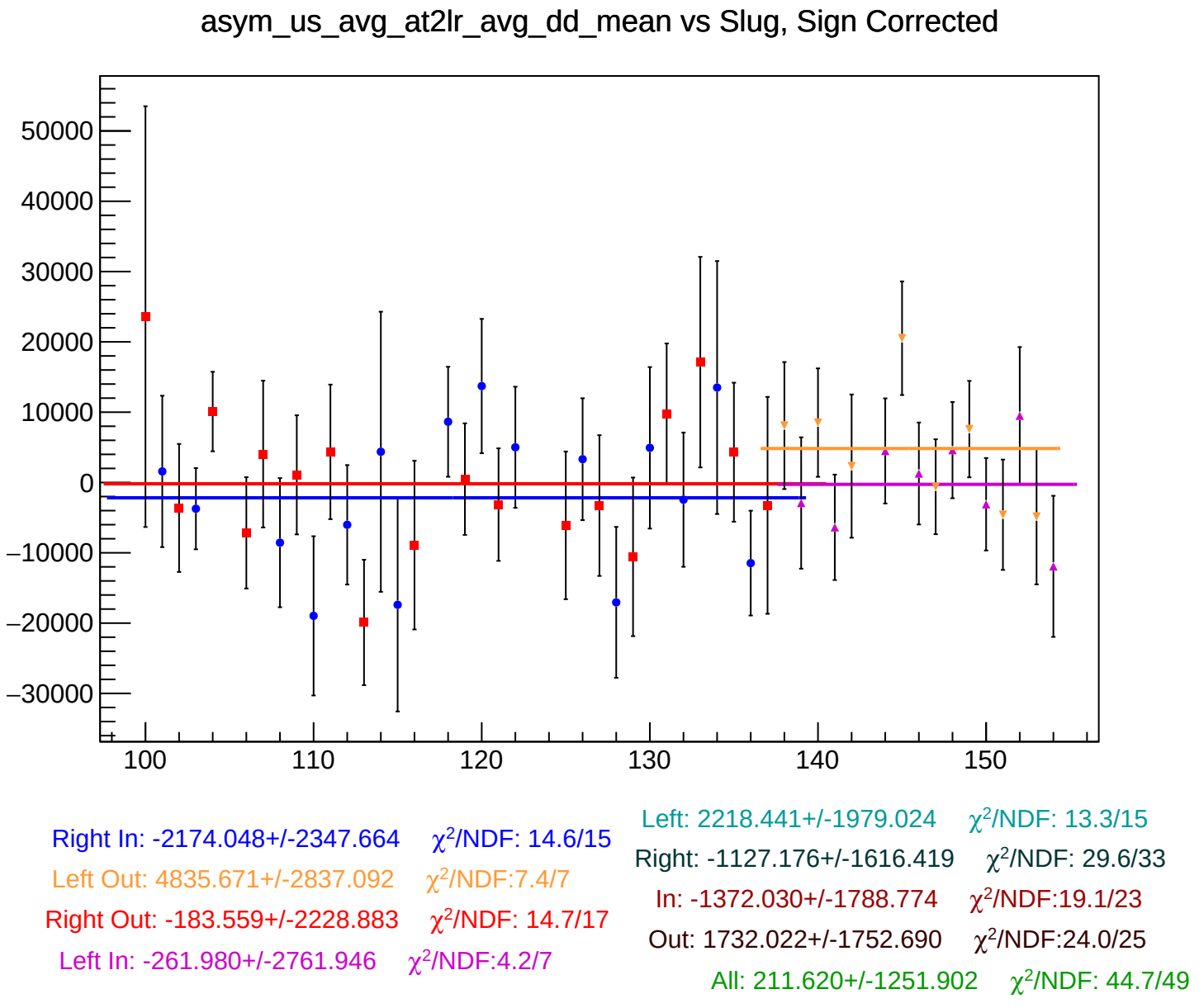
Left: 7367.837+/-1.451 χ^2/NDF: 446432.9/15

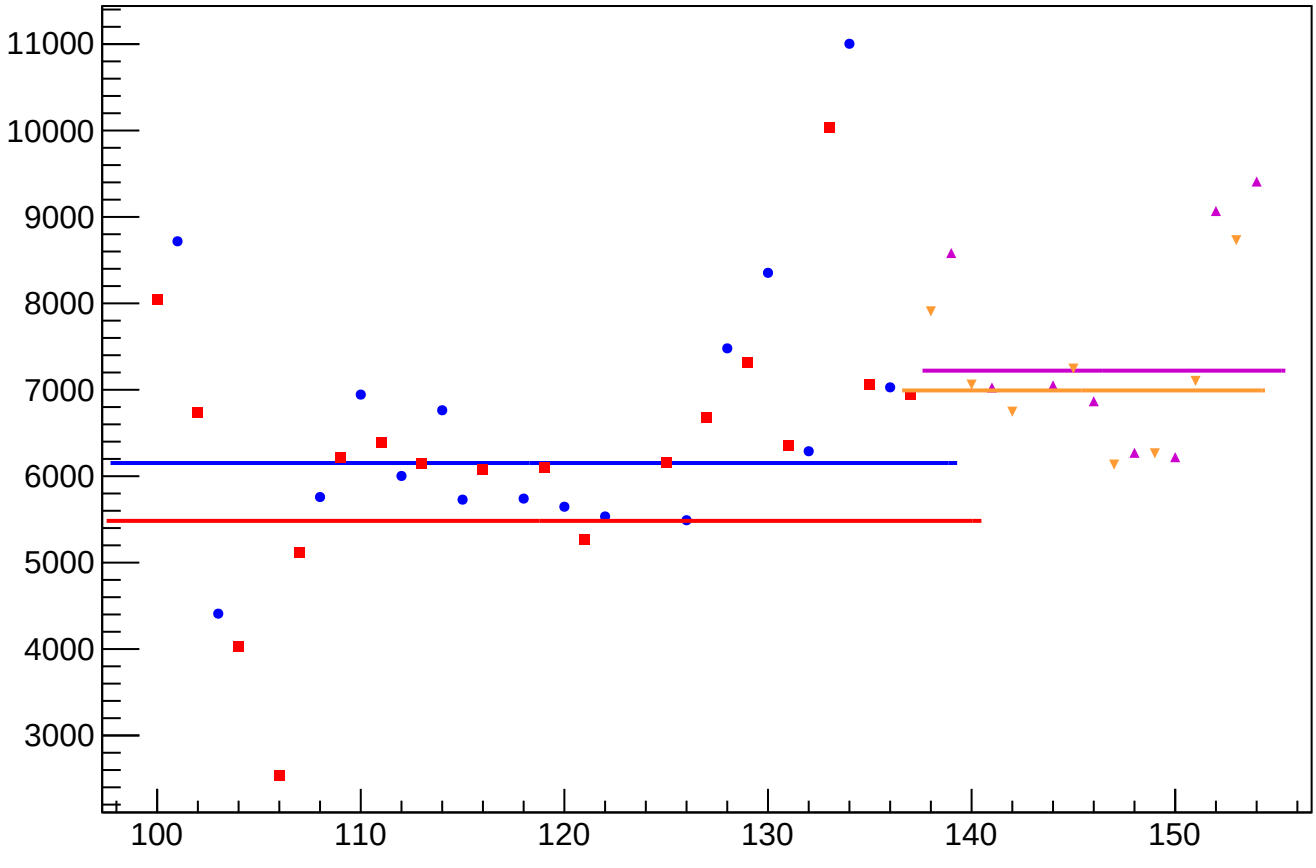
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6659.311+/-1.276 χ^2/NDF:1053093.3/23

Out: 6013.007+/-1.193 χ^2/NDF:1475390.3/25

All: 6314.462+/-0.871 χ^2/NDF: 2665452.0/49


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 4835.671+/-2837.092 χ²/NDF:7.4/7
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -261.980+/-2761.946 χ²/NDF:4.2/7
Left: 2218.441+/-1979.024 χ²/NDF: 13.3/15
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1372.030+/-1788.774 χ²/NDF:19.1/23
Out: 1732.022+/-1752.690 χ²/NDF:24.0/25
All: 211.620+/-1251.902 χ²/NDF: 44.7/49



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: 7221.370+/-1.953 χ^2/NDF:301188.1/7

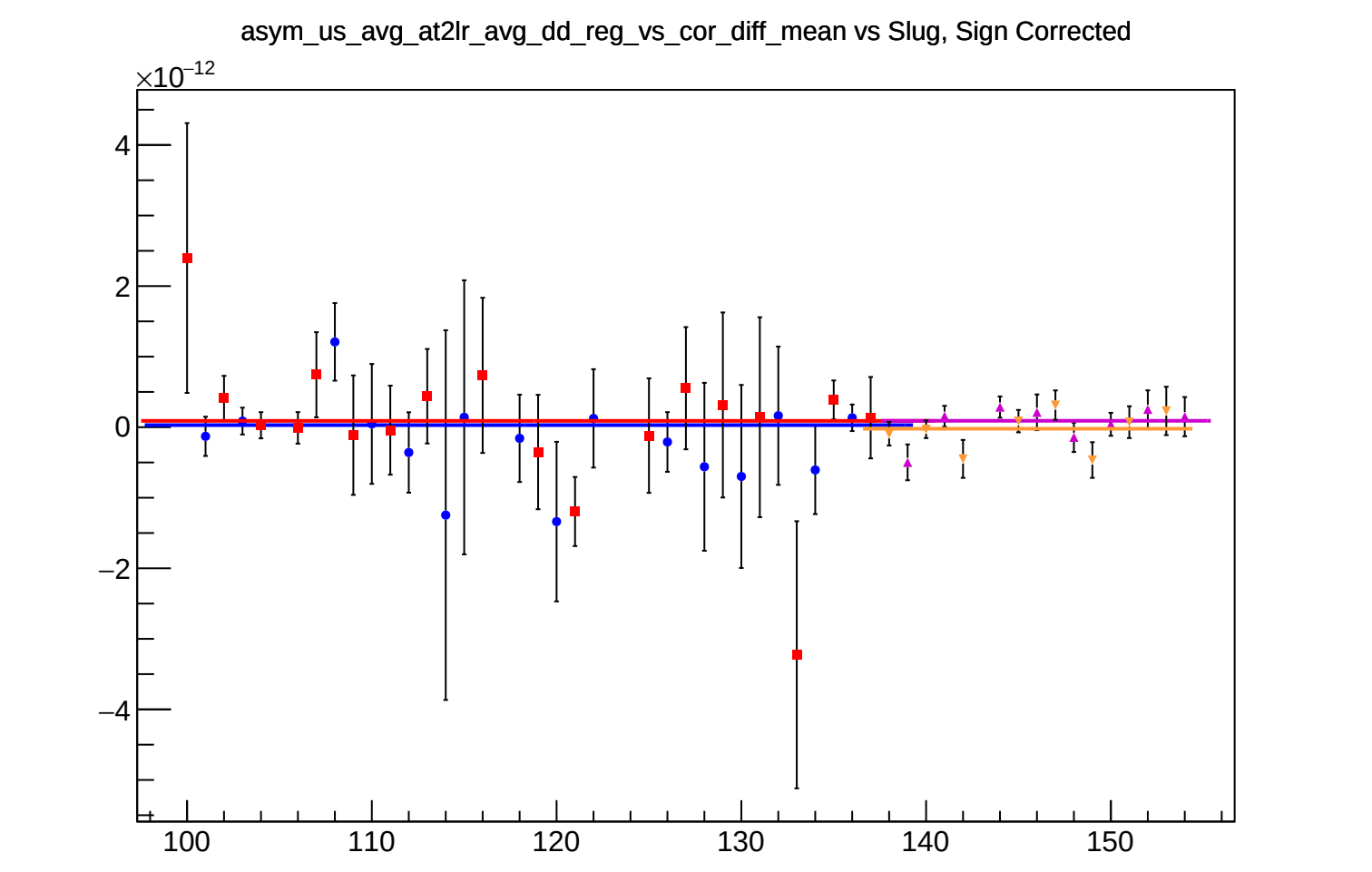
Left: 7110.025+/-1.399 χ^2/NDF: 451897.0/15

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6600.945+/-1.265 χ^2/NDF:1099049.7/23

Out: 6033.505+/-1.211 χ^2/NDF:1652378.0/25

All: 6304.947+/-0.875 χ^2/NDF: 2856413.9/49



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:9.2/7

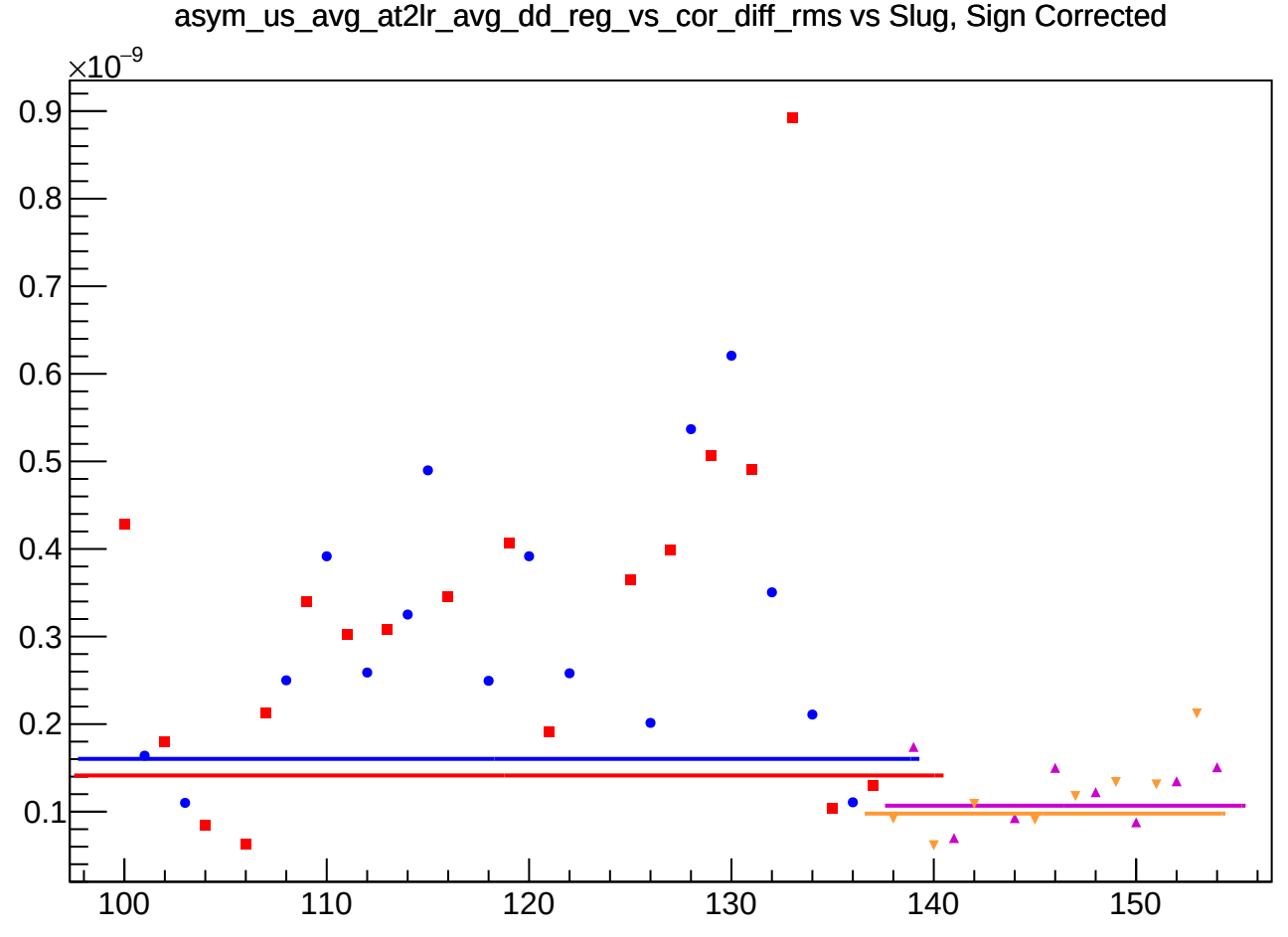
Left: 0.000+/-0.000 χ^2/NDF: 20.1/15

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:19.0/23

Out: 0.000+/-0.000 χ^2/NDF:26.8/25

All: 0.000+/-0.000 χ^2/NDF: 46.4/49



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:450272.5/7

Left: 0.000+/-0.000 χ^2/NDF: 971291.2/15

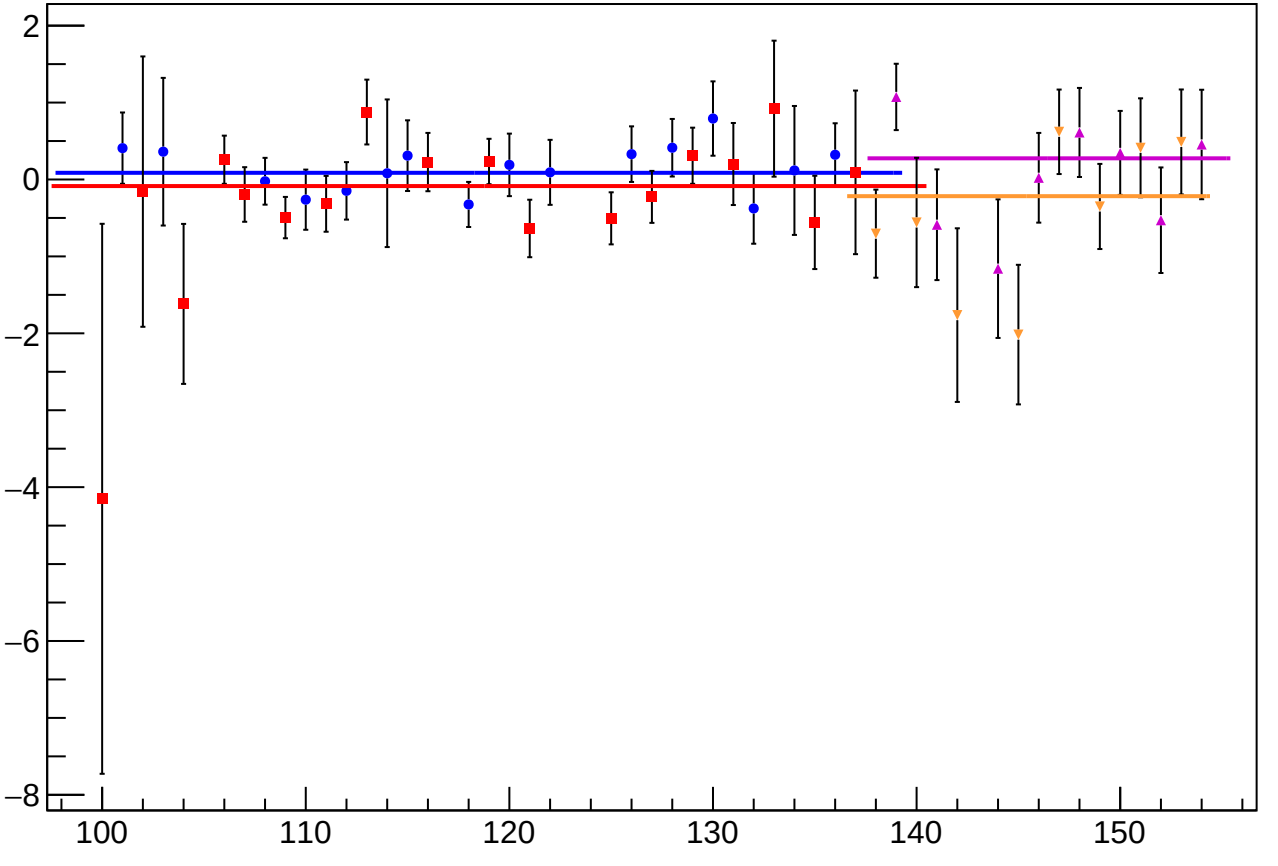
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2147478.1/23

Out: 0.000+/-0.000 χ^2/NDF:2921536.9/25

All: 0.000+/-0.000 χ^2/NDF: 5116650.2/49

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: 0.275+/-0.214 χ^2/NDF:9.4/7

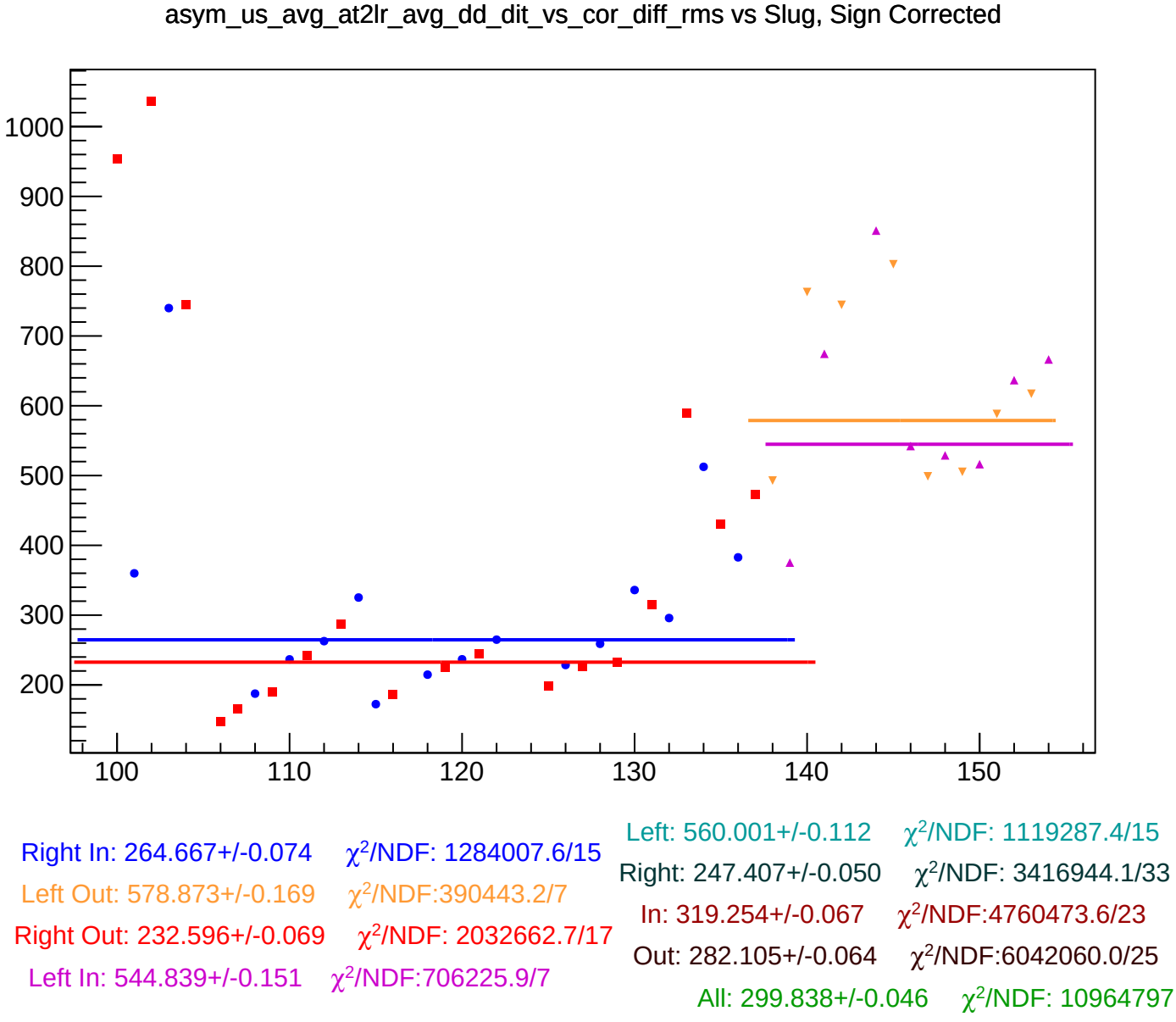
Left: 0.056+/-0.159 χ^2/NDF: 22.8/15

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

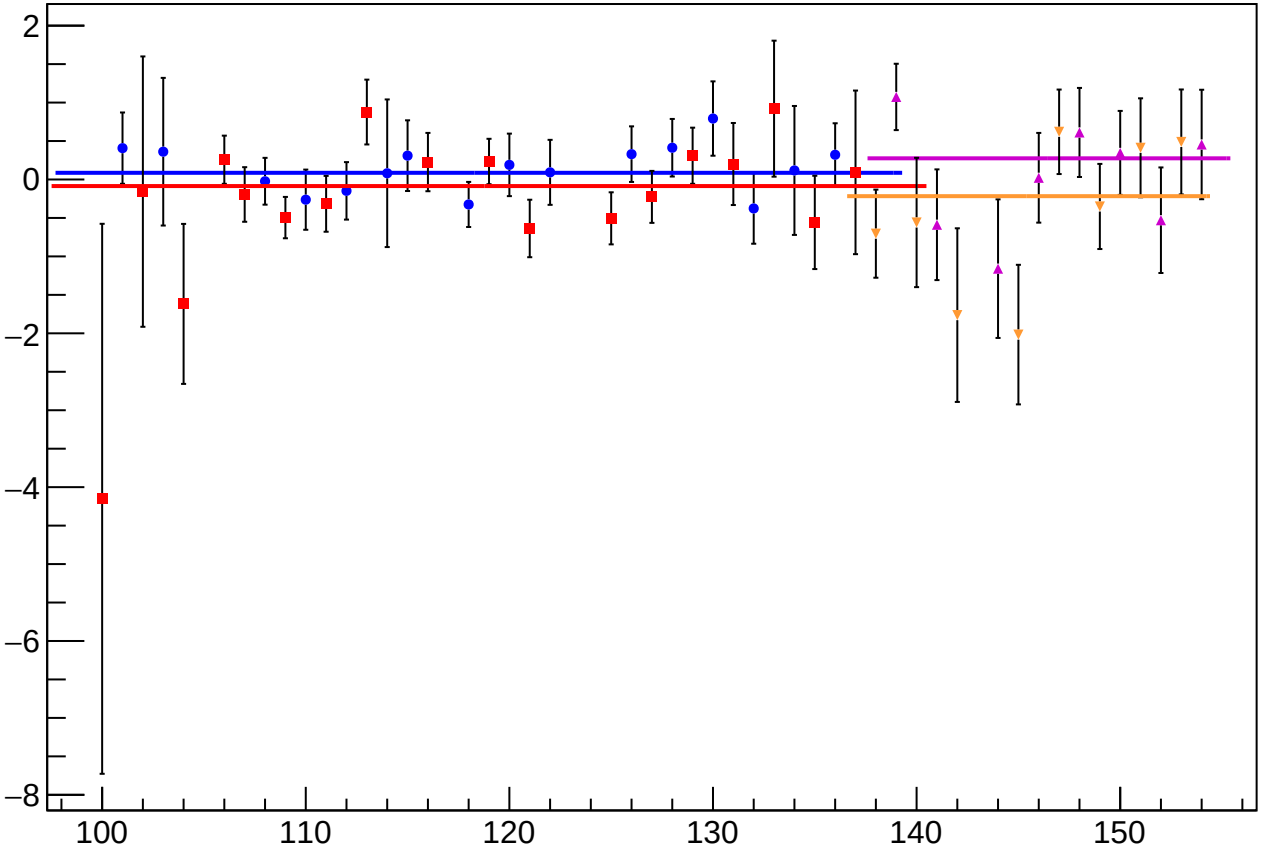
In: 0.124+/-0.094 χ^2/NDF:18.8/23

Out: -0.104+/-0.090 χ^2/NDF:33.2/25

All: 0.004+/-0.065 χ^2/NDF: 55.1/49


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 578.873+/-0.169 χ²/NDF:390443.2/7
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 544.839+/-0.151 χ²/NDF:706225.9/7
Left: 560.001+/-0.112 χ²/NDF: 1119287.4/15
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 319.254+/-0.067 χ²/NDF:4760473.6/23
Out: 282.105+/-0.064 χ²/NDF:6042060.0/25
All: 299.838+/-0.046 χ²/NDF: 10964797.6/49

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: 0.275+/-0.214 χ^2/NDF:9.4/7

Left: 0.056+/-0.159 χ^2/NDF: 22.8/15

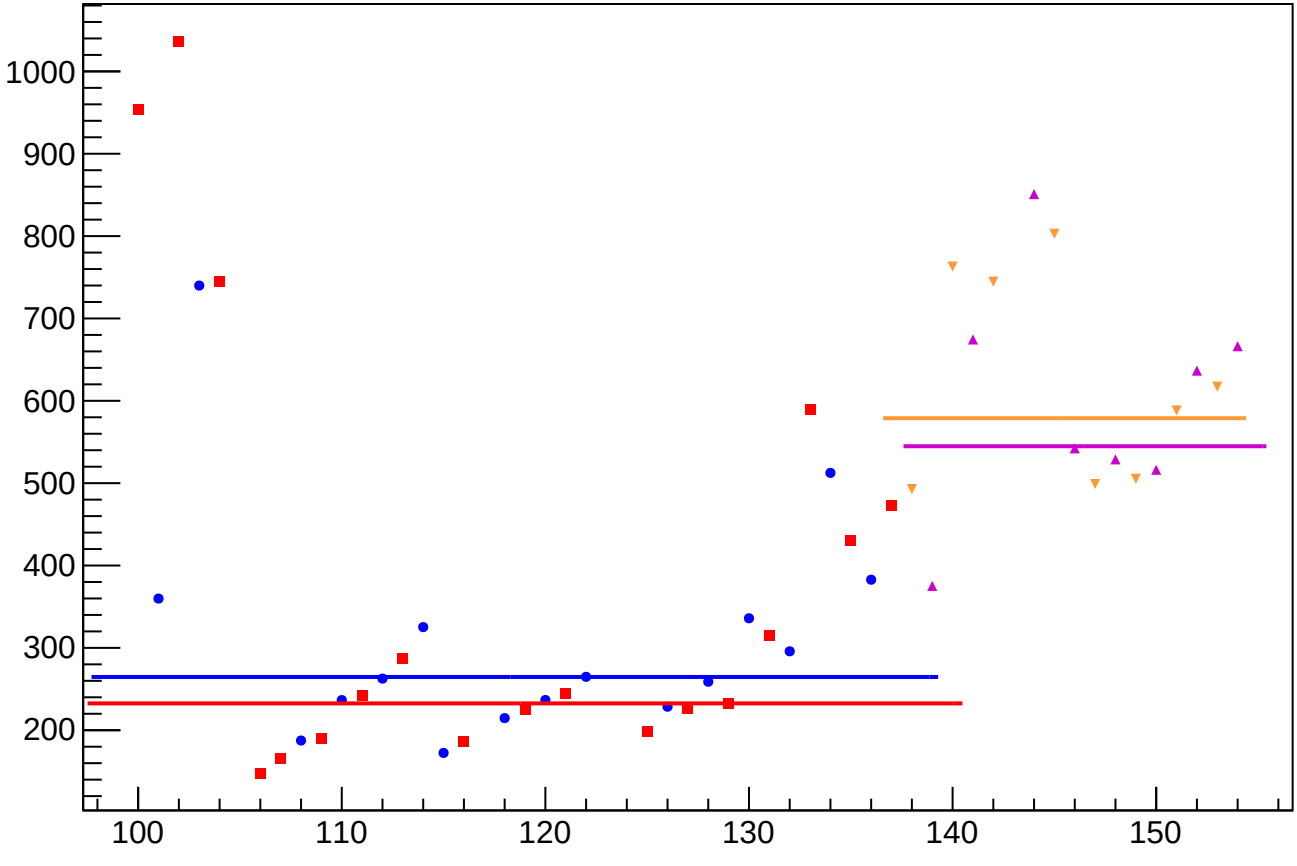
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.124+/-0.094 χ^2/NDF:18.8/23

Out: -0.104+/-0.090 χ^2/NDF:33.2/25

All: 0.004+/-0.065 χ^2/NDF: 55.1/49

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: 544.839+/-0.151 χ^2/NDF:706225.9/7

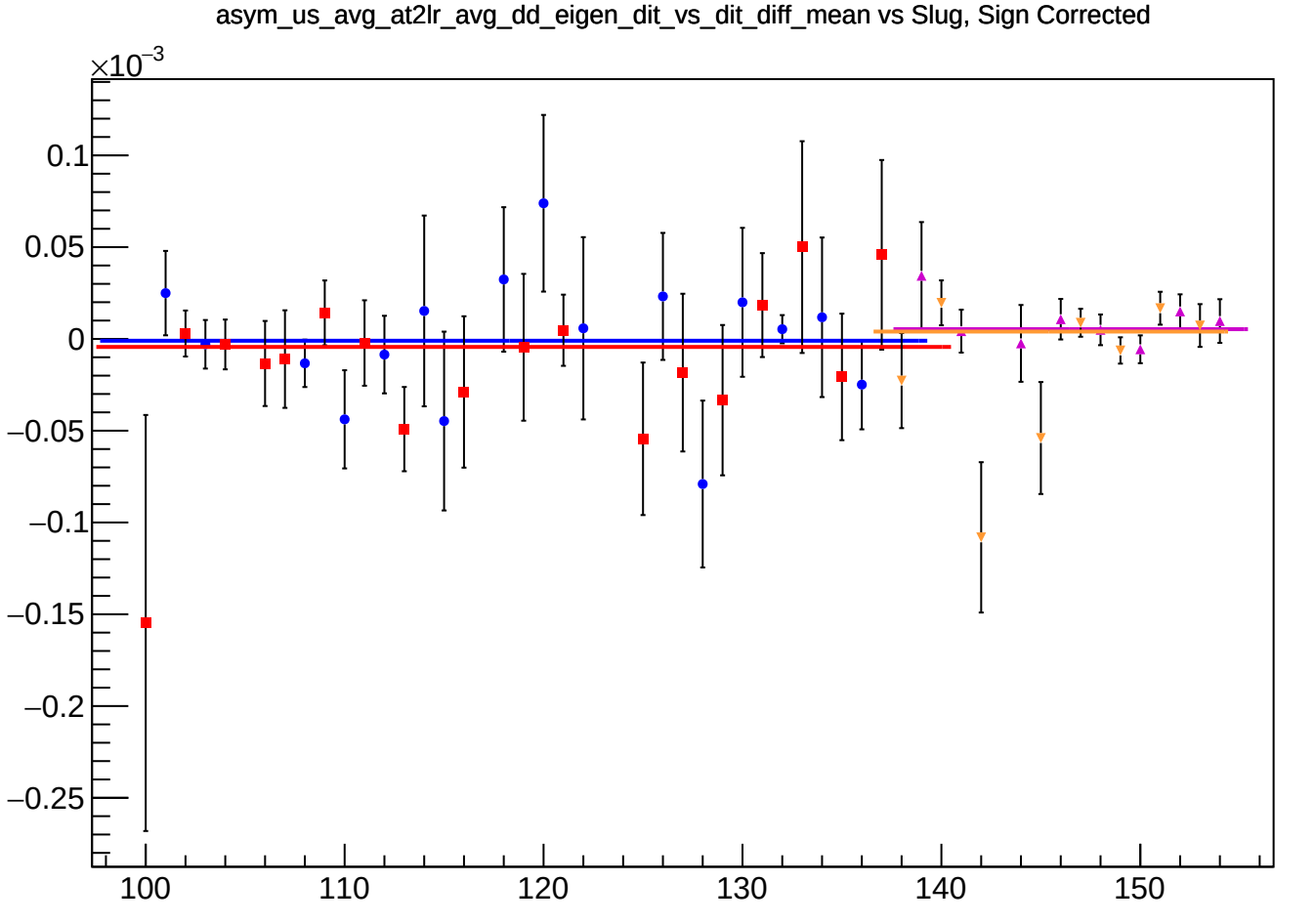
Left: 560.001+/-0.112 χ^2/NDF: 1119287.4/15

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

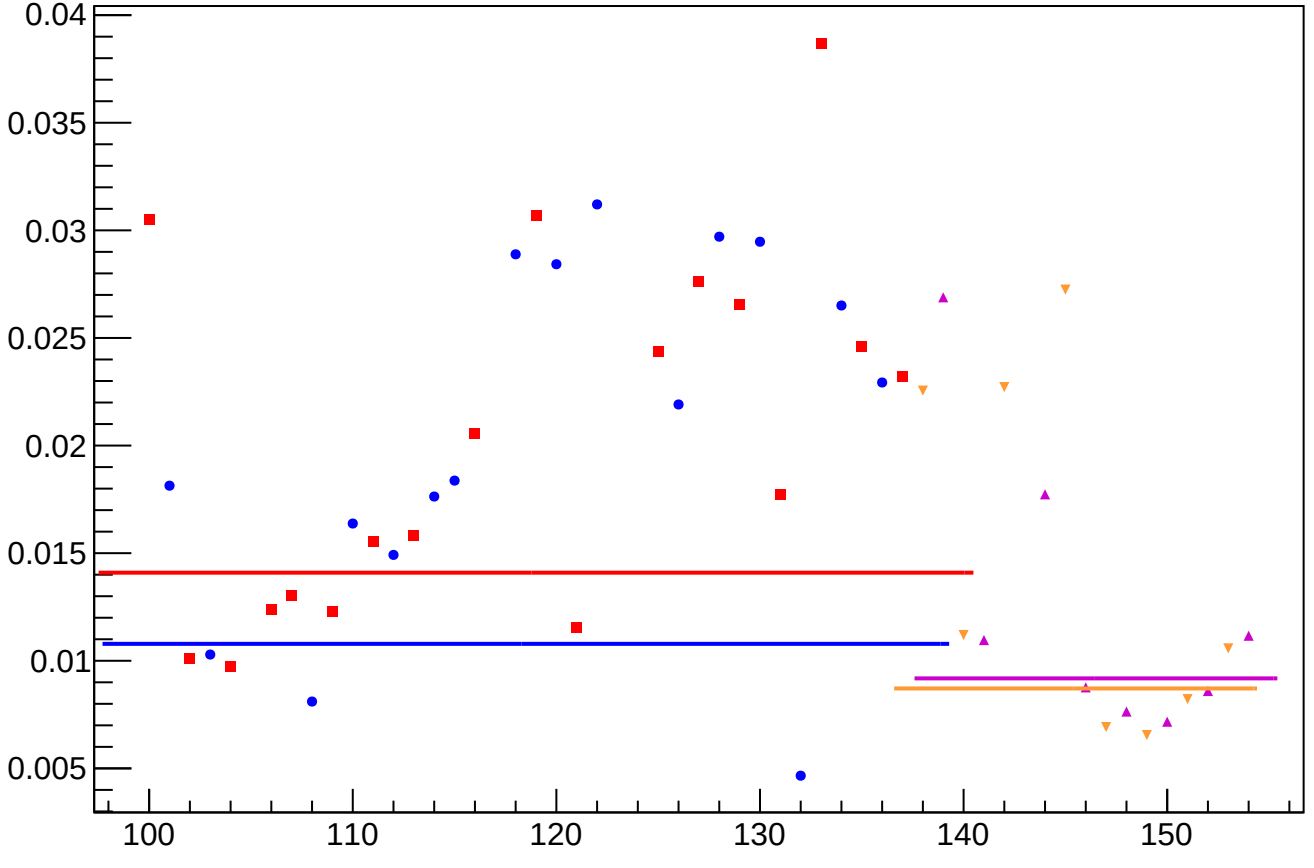
In: 319.254+/-0.067 χ^2/NDF:4760473.6/23

Out: 282.105+/-0.064 χ^2/NDF:6042060.0/25

All: 299.838+/-0.046 χ^2/NDF: 10964797.6/49


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
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: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:18.4/7
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:4.7/7
Left: 0.000+/-0.000 χ²/NDF: 23.1/15
Right: -0.000+/-0.000 χ²/NDF: 27.2/33
In: 0.000+/-0.000 χ²/NDF:20.1/23
Out: 0.000+/-0.000 χ²/NDF:32.4/25
All: 0.000+/-0.000 χ²/NDF: 52.6/49

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:1388414.5/7

Left: 0.009+/-0.000 χ^2/NDF: 3379318.2/15

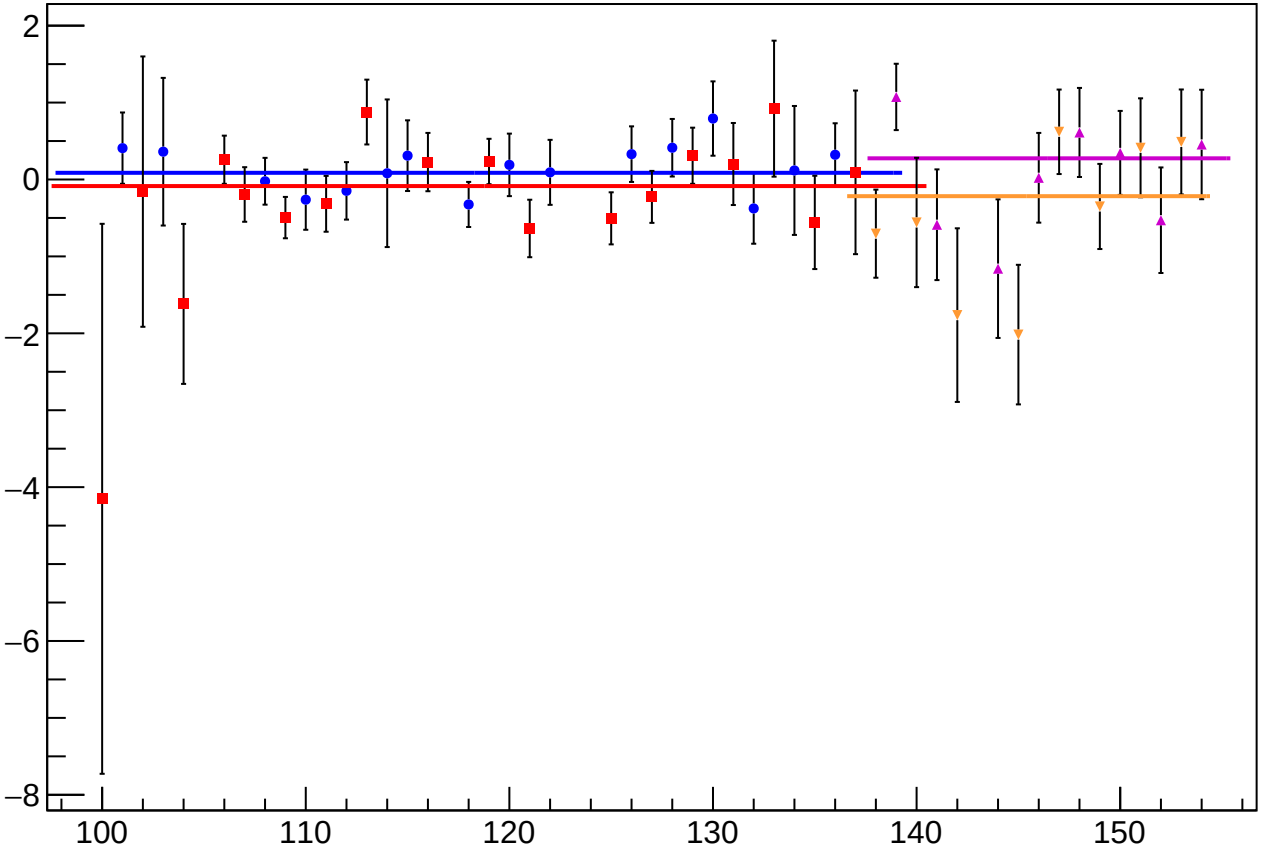
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:6100339.4/23

Out: 0.010+/-0.000 χ^2/NDF:5269821.5/25

All: 0.010+/-0.000 χ^2/NDF: 11411225.9/49

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: 0.275+/-0.214 χ^2/NDF:9.4/7

Left: 0.056+/-0.159 χ^2/NDF: 22.8/15

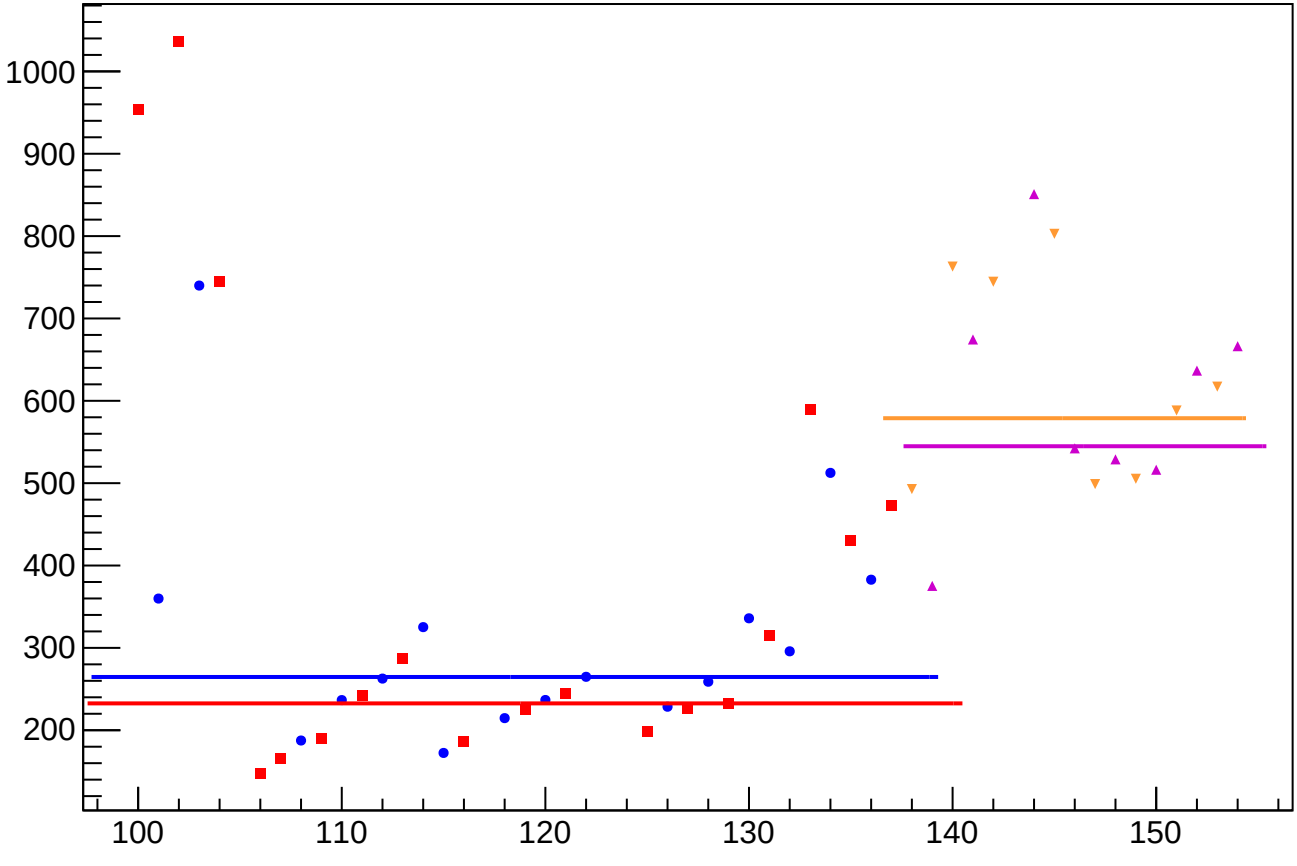
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.124+/-0.094 χ^2/NDF:18.8/23

Out: -0.104+/-0.090 χ^2/NDF:33.2/25

All: 0.004+/-0.065 χ^2/NDF: 55.1/49

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 578.878+/-0.169 χ^2/NDF:390446.6/7

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 544.846+/-0.151 χ^2/NDF:706197.5/7

Left: 560.008+/-0.112 χ^2/NDF: 1119259.4/15

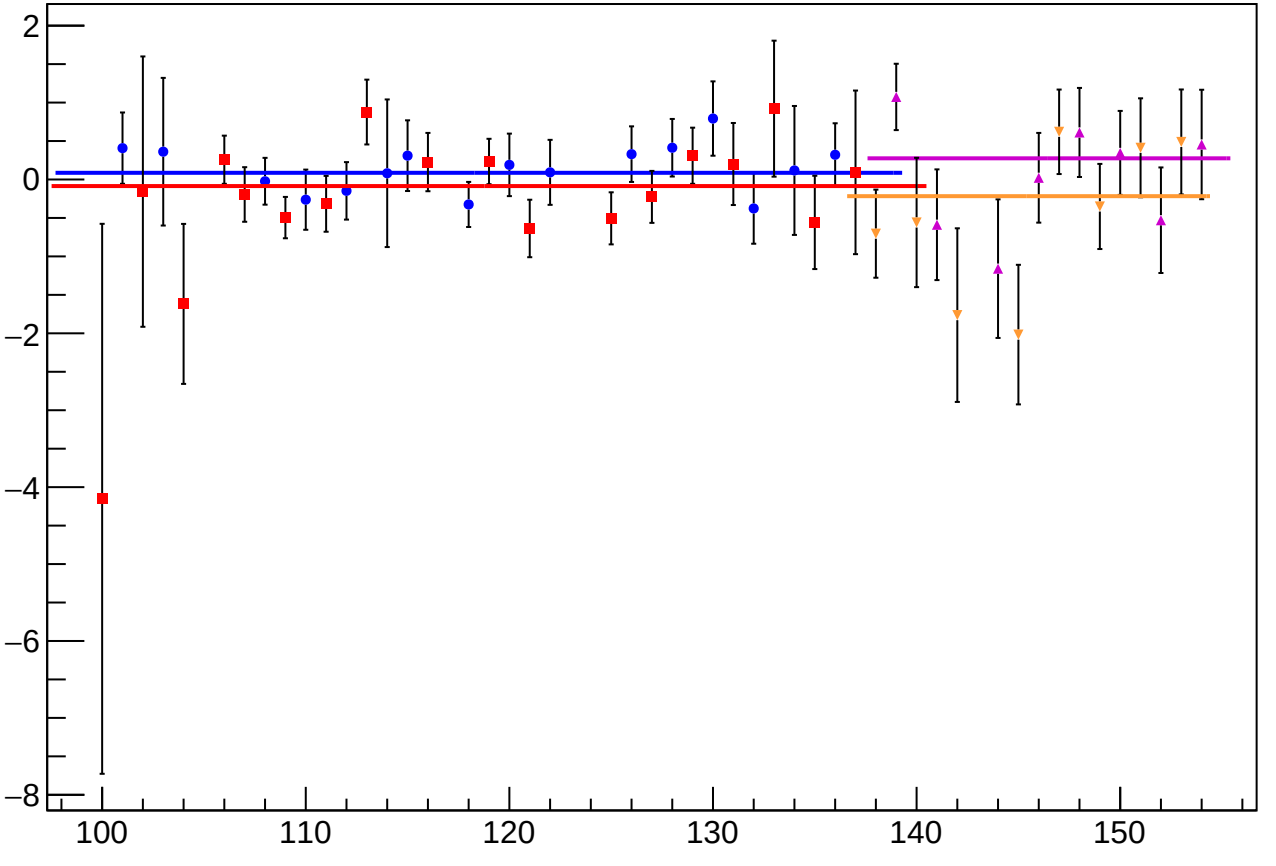
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 319.254+/-0.067 χ^2/NDF:4760512.8/23

Out: 282.105+/-0.064 χ^2/NDF:6042098.6/25

All: 299.839+/-0.046 χ^2/NDF: 10964868.7/49

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: 0.275+/-0.214 χ^2/NDF:9.4/7

Left: 0.056+/-0.159 χ^2/NDF: 22.8/15

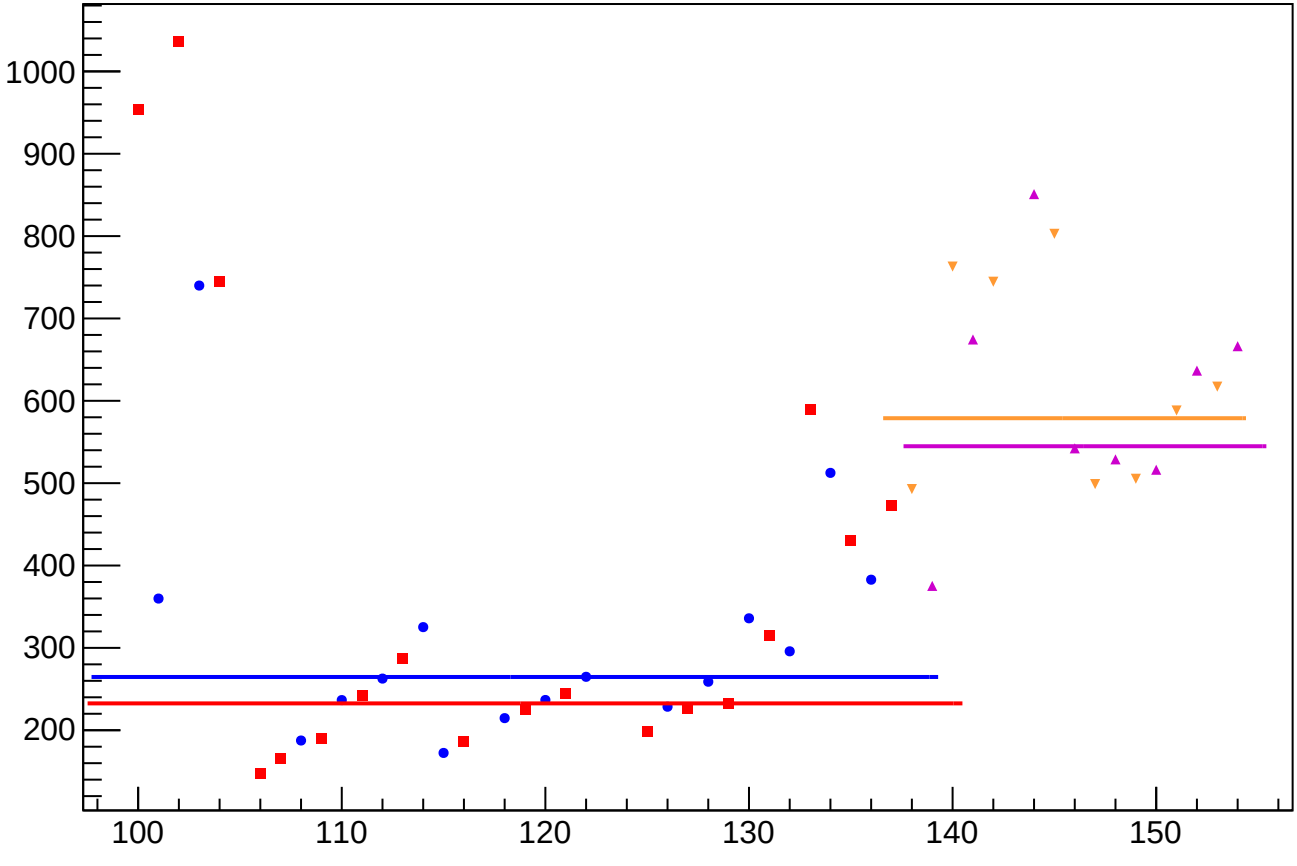
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.124+/-0.094 χ^2/NDF:18.8/23

Out: -0.104+/-0.090 χ^2/NDF:33.2/25

All: 0.004+/-0.065 χ^2/NDF: 55.1/49

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: 544.846+/-0.151 χ^2/NDF:706197.5/7

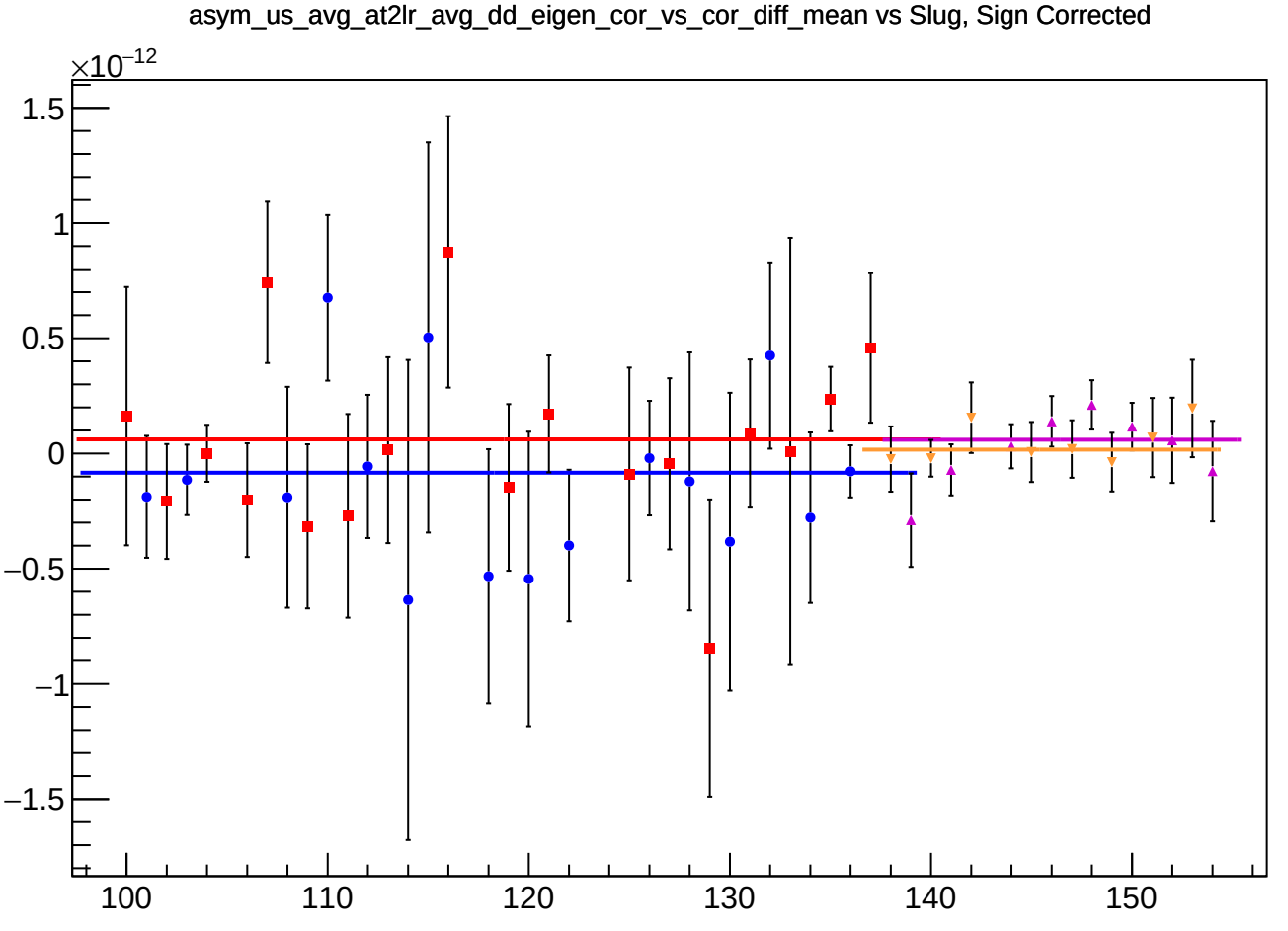
Left: 560.008+/-0.112 χ^2/NDF: 1119259.4/15

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 319.254+/-0.067 χ^2/NDF:4760512.8/23

Out: 282.105+/-0.064 χ^2/NDF:6042098.6/25

All: 299.839+/-0.046 χ^2/NDF: 10964868.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:7.7/7

Left: 0.000+/-0.000 χ^2/NDF: 10.2/15

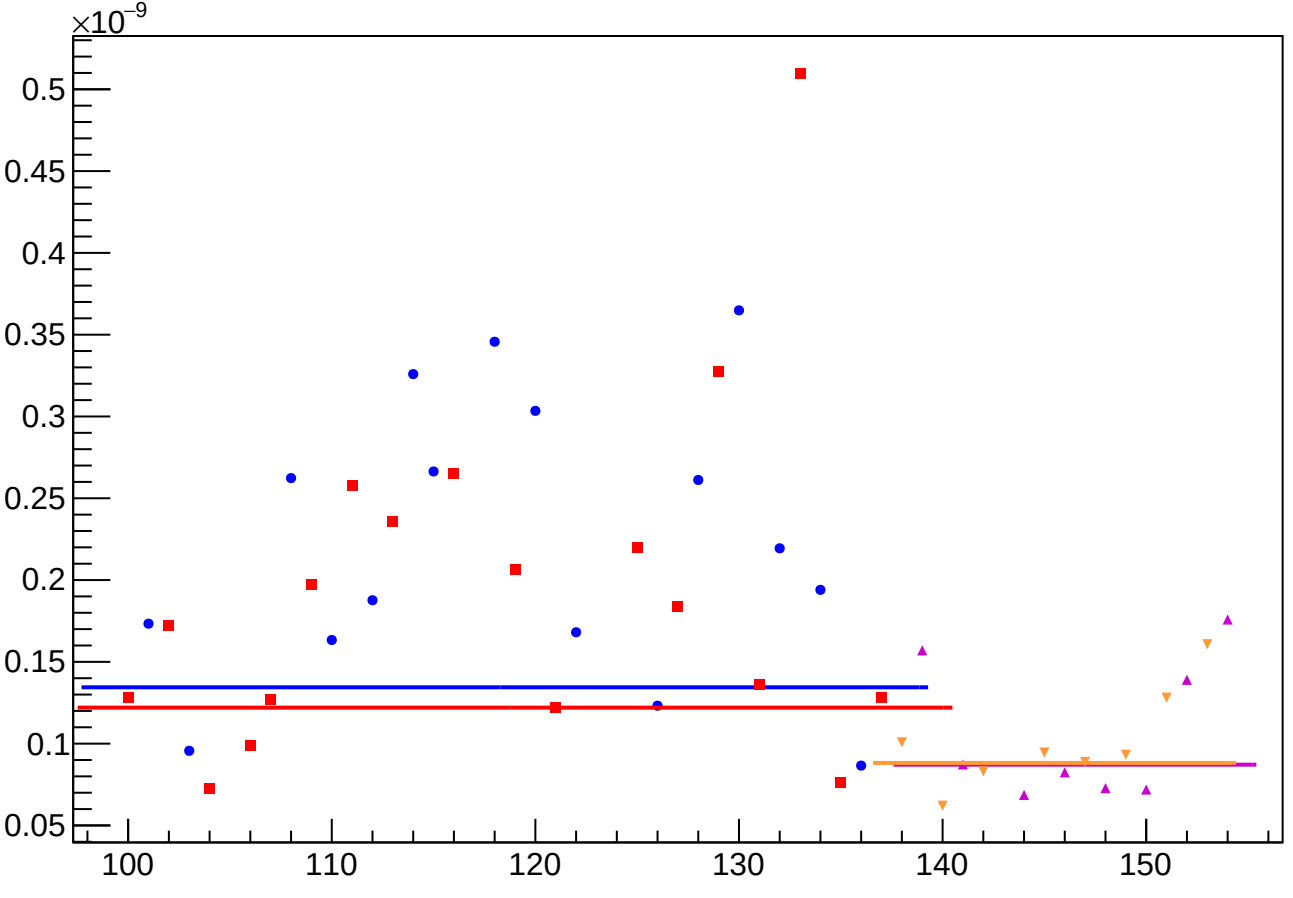
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:20.5/23

Out: 0.000+/-0.000 χ^2/NDF:18.2/25

All: 0.000+/-0.000 χ^2/NDF: 38.7/49

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:584412.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:882826.5/7

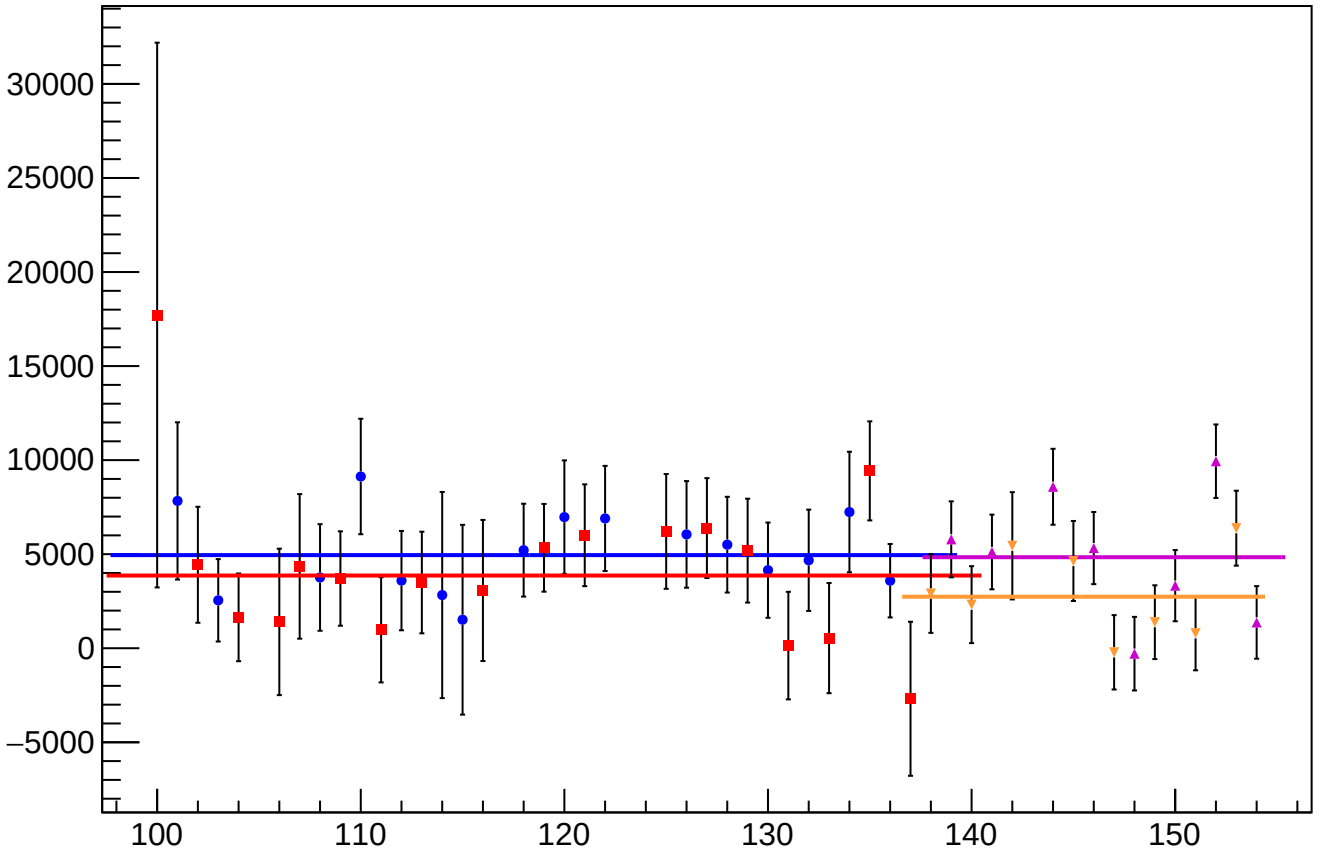
Left: 0.000+/-0.000 χ^2/NDF: 1467822.5/15

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:3370438.8/23

Out: 0.000+/-0.000 χ^2/NDF:2956471.7/25

All: 0.000+/-0.000 χ^2/NDF: 6328057.2/49



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: 4838.446+/-692.133 χ^2/NDF:21.3/7

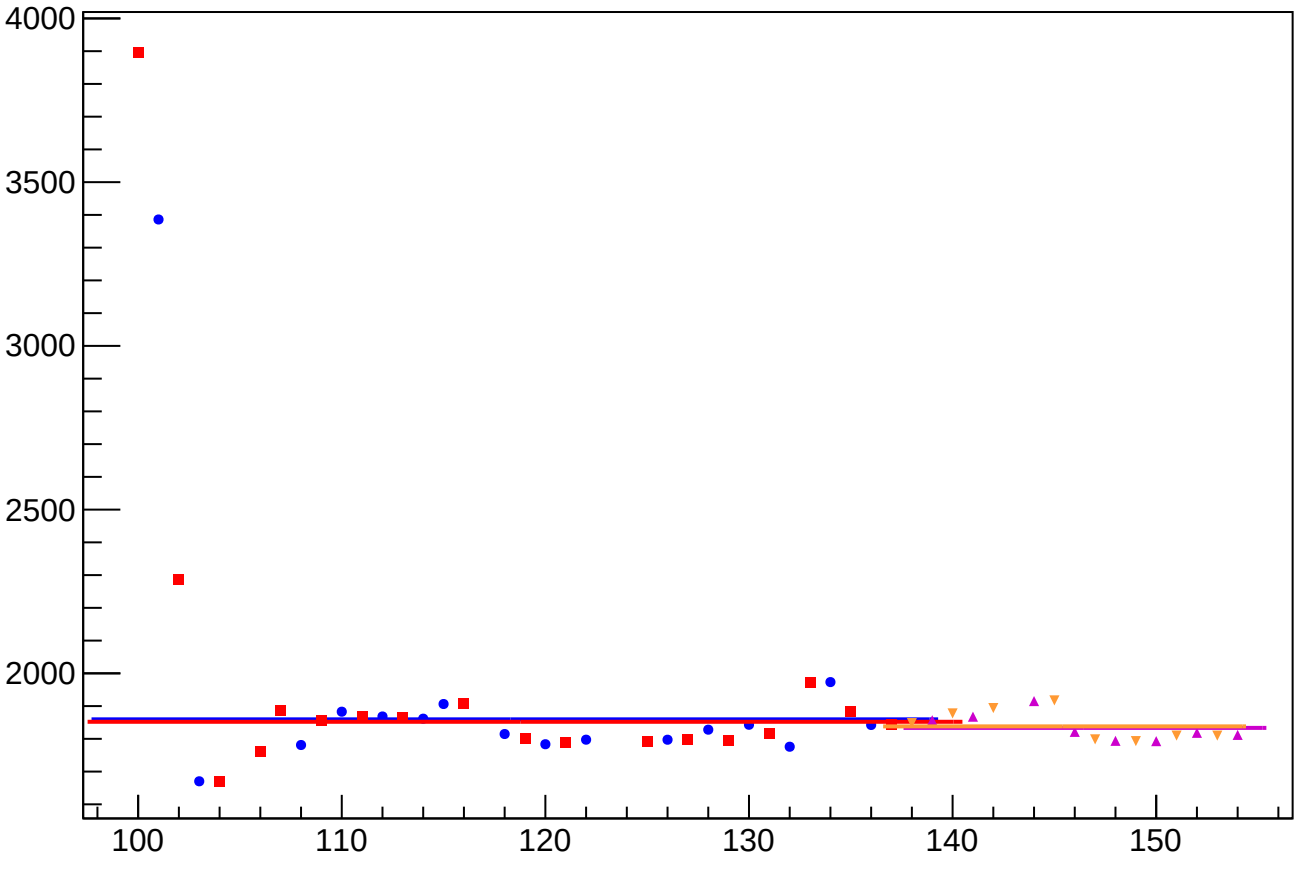
Left: 3855.196+/-504.752 χ^2/NDF: 34.4/15

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4893.836+/-491.800 χ^2/NDF:28.2/23

Out: 3334.608+/-506.162 χ^2/NDF:26.2/25

All: 4136.657+/-352.723 χ^2/NDF: 59.2/49



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: 1833.411+/-0.489 χ^2/NDF:6326.1/7

Left: 1835.576+/-0.357 χ^2/NDF: 13383.4/15

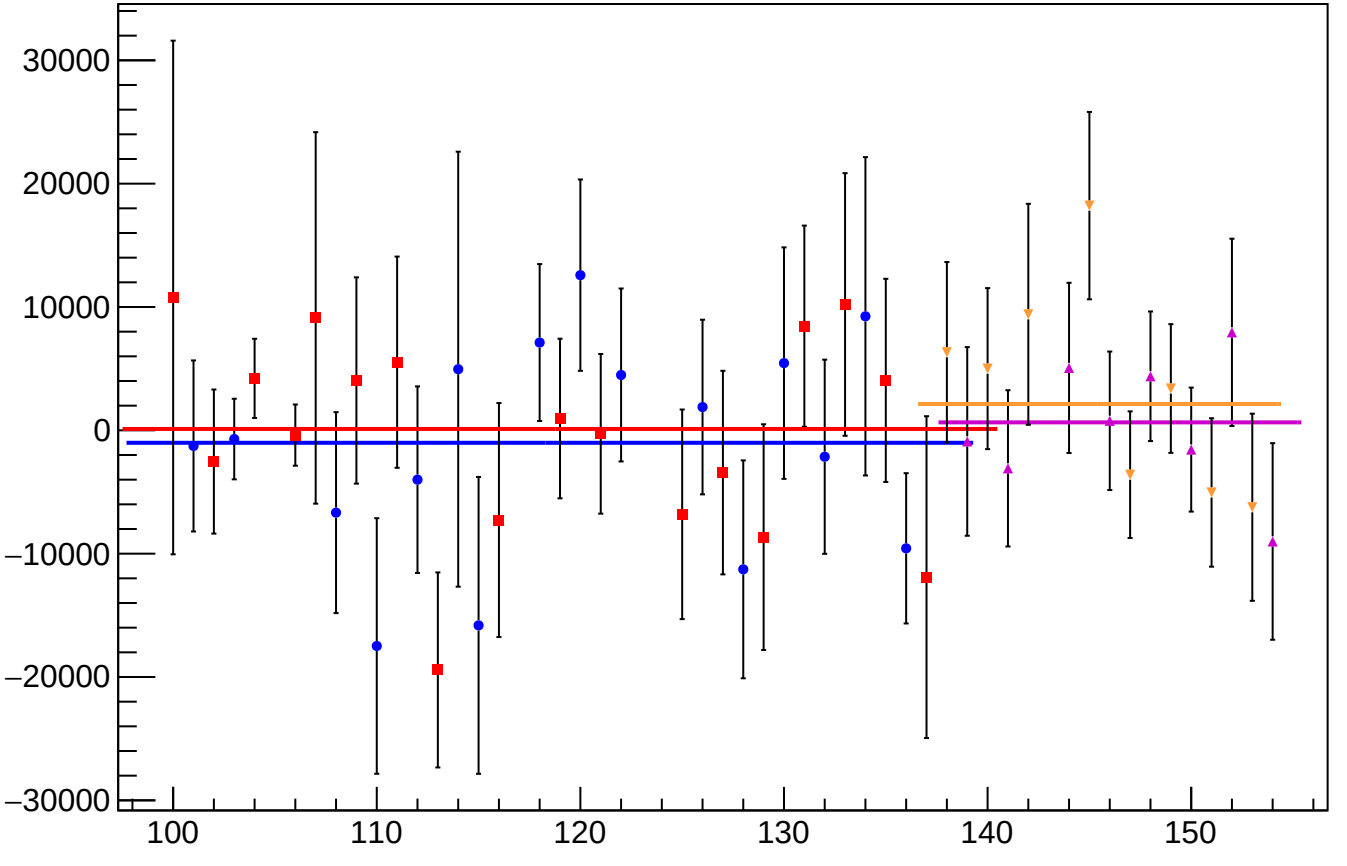
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1846.333+/-0.348 χ^2/NDF:300068.6/23

Out: 1845.481+/-0.357 χ^2/NDF:109612.0/25

All: 1845.918+/-0.249 χ^2/NDF: 409683.5/49

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: 645.523+/-2216.016 χ^2/NDF:3.9/7

Left: 1368.355+/-1590.582 χ^2/NDF: 13.7/15

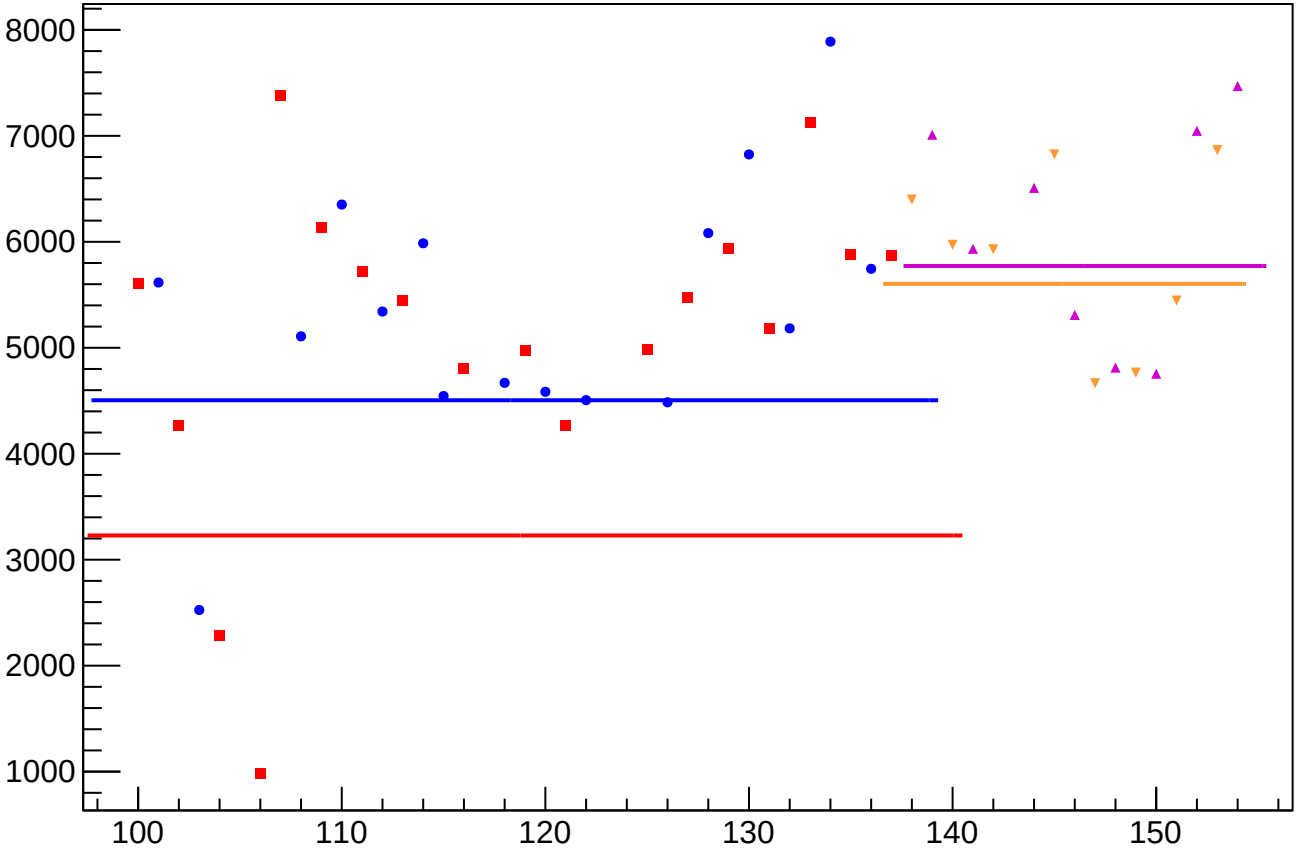
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -367.960+/-1380.212 χ^2/NDF:19.0/23

Out: 686.313+/-1217.271 χ^2/NDF:24.8/25

All: 225.052+/-912.941 χ^2/NDF: 44.1/49

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



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: 5771.848+/-1.567 χ^2/NDF:385878.8/7

Left: 5690.026+/-1.125 χ^2/NDF: 651029.5/15

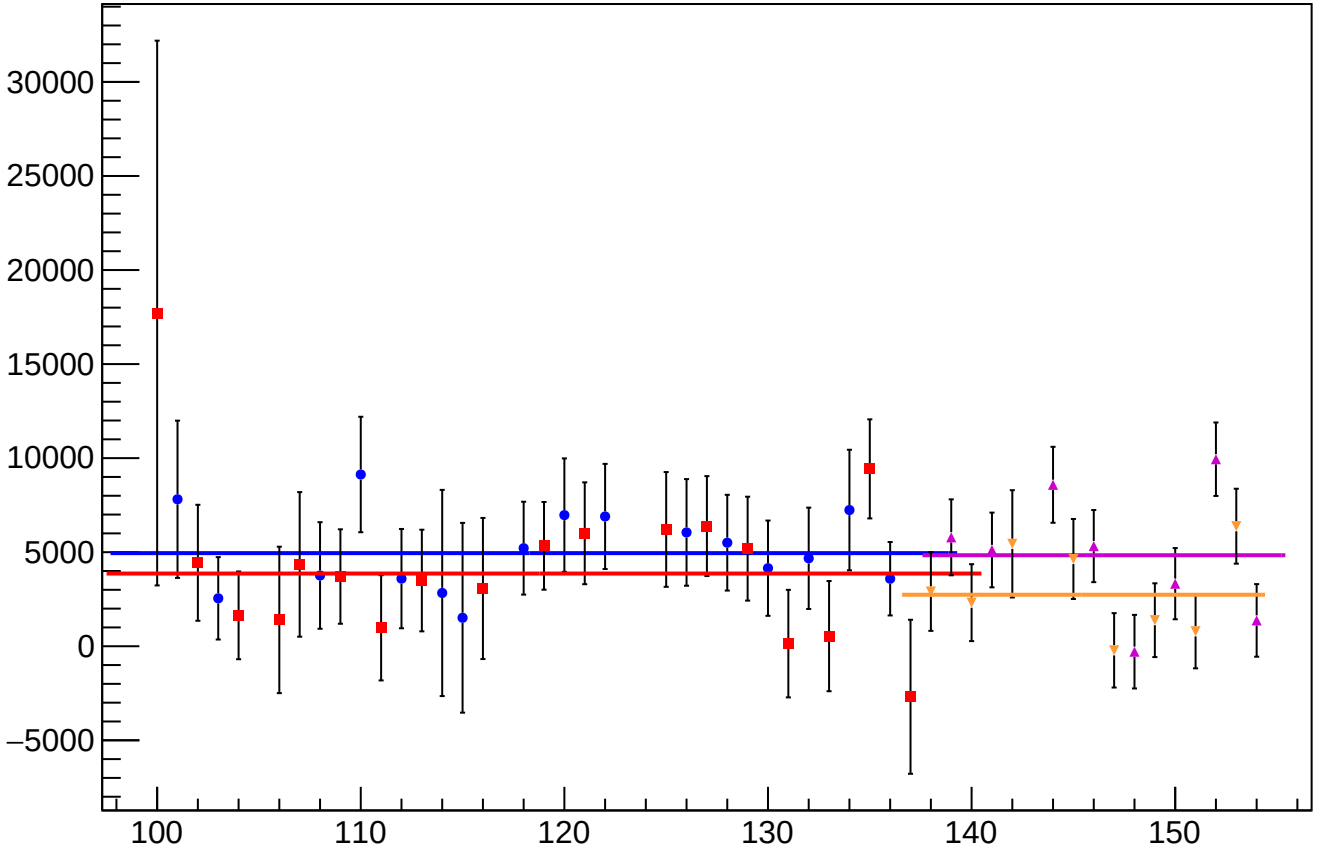
Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4996.310+/-0.976 χ^2/NDF:2107190.6/23

Out: 3902.827+/-0.861 χ^2/NDF:5763211.3/25

All: 4381.243+/-0.646 χ^2/NDF: 8576513.7/49

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: 4838.755+/-692.133 χ^2/NDF:21.3/7

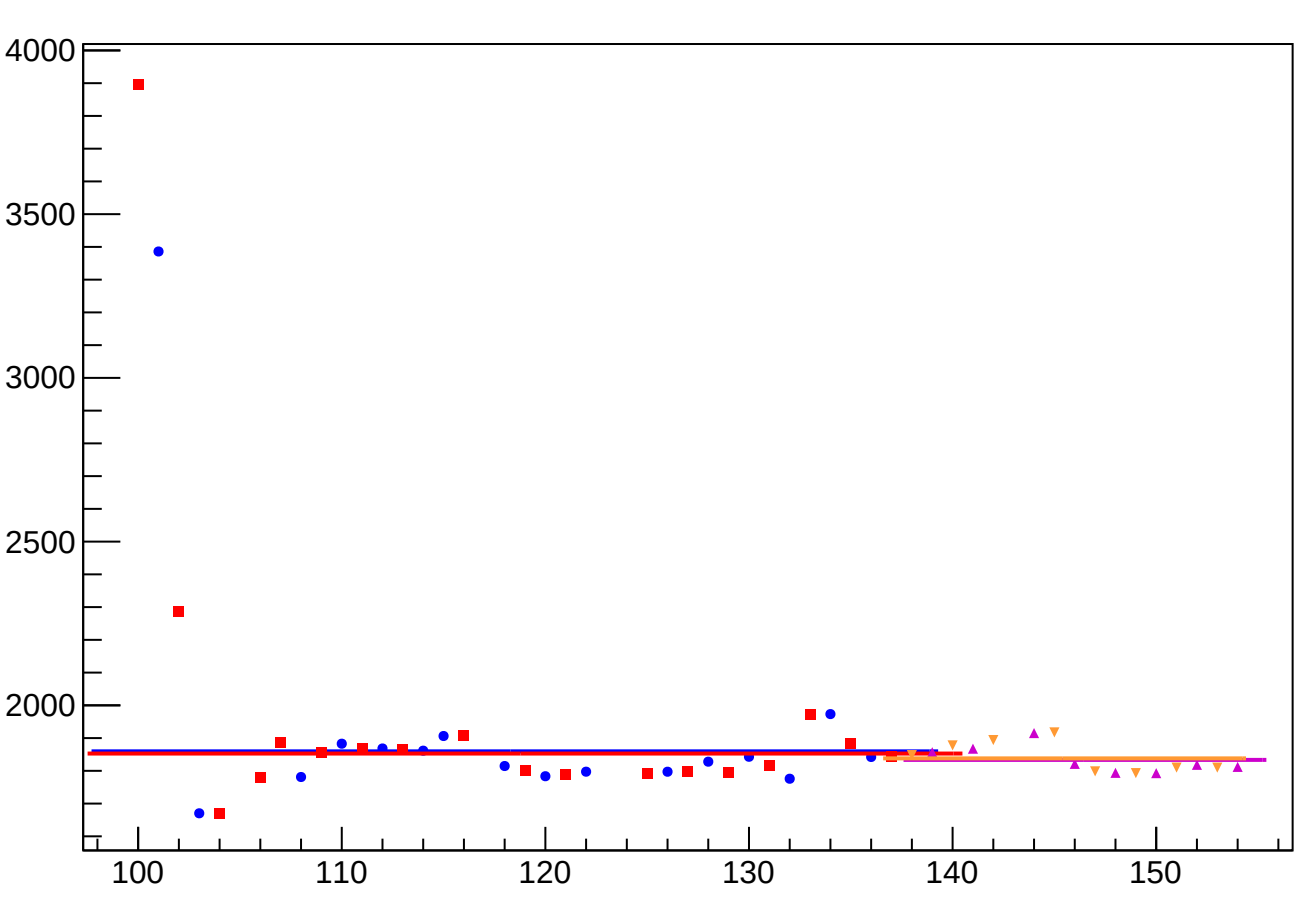
Left: 3855.281+/-504.753 χ^2/NDF: 34.4/15

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4893.753+/-491.800 χ^2/NDF:28.2/23

Out: 3334.414+/-506.162 χ^2/NDF:26.2/25

All: 4136.521+/-352.723 χ^2/NDF: 59.2/49



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: 1833.411+/-0.489 χ^2/NDF:6326.1/7

Left: 1835.576+/-0.357 χ^2/NDF: 13383.3/15

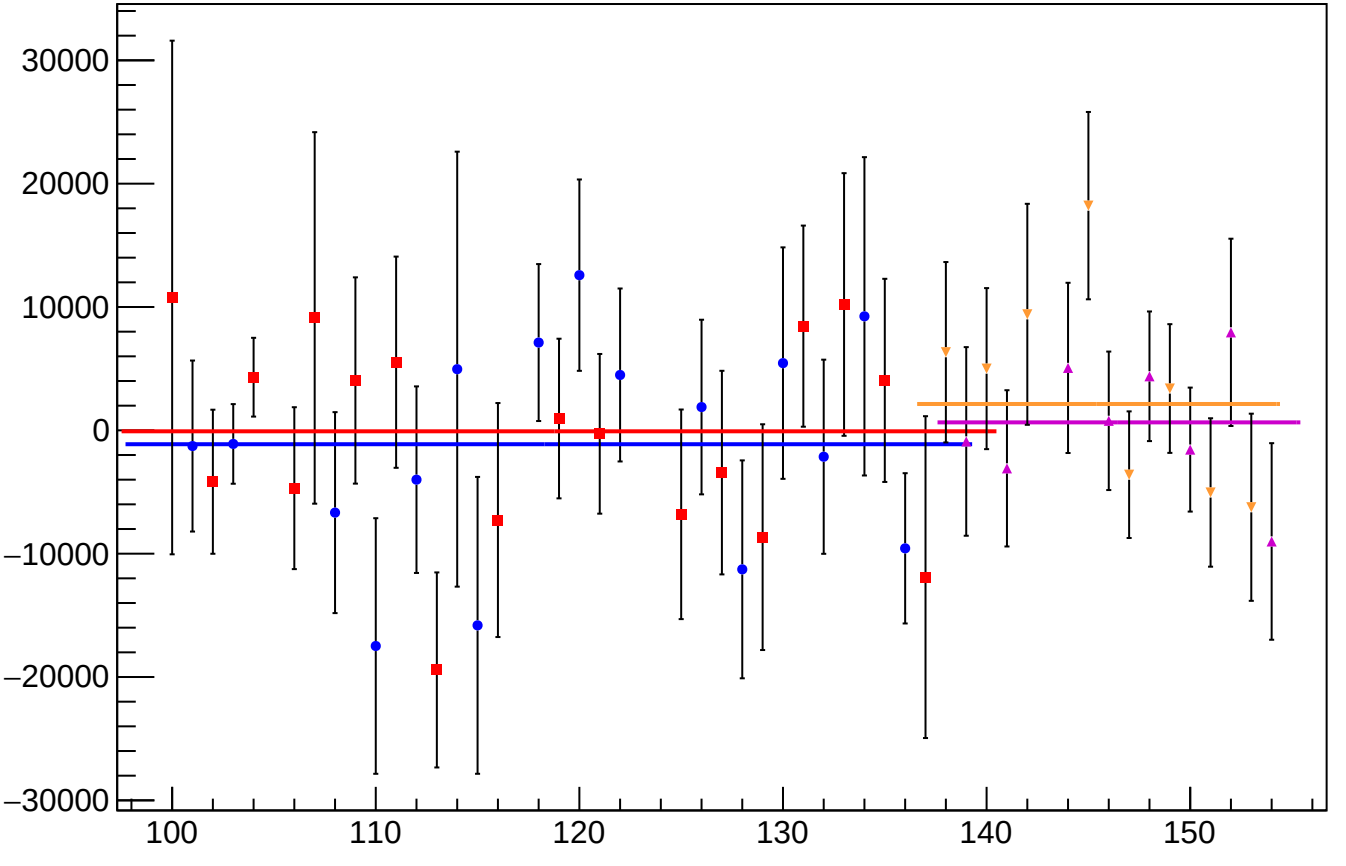
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1846.333+/-0.348 χ^2/NDF:300070.5/23

Out: 1845.853+/-0.357 χ^2/NDF:109189.4/25

All: 1846.099+/-0.249 χ^2/NDF: 409260.8/49

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: 645.722+/-2216.016 χ^2/NDF:3.9/7

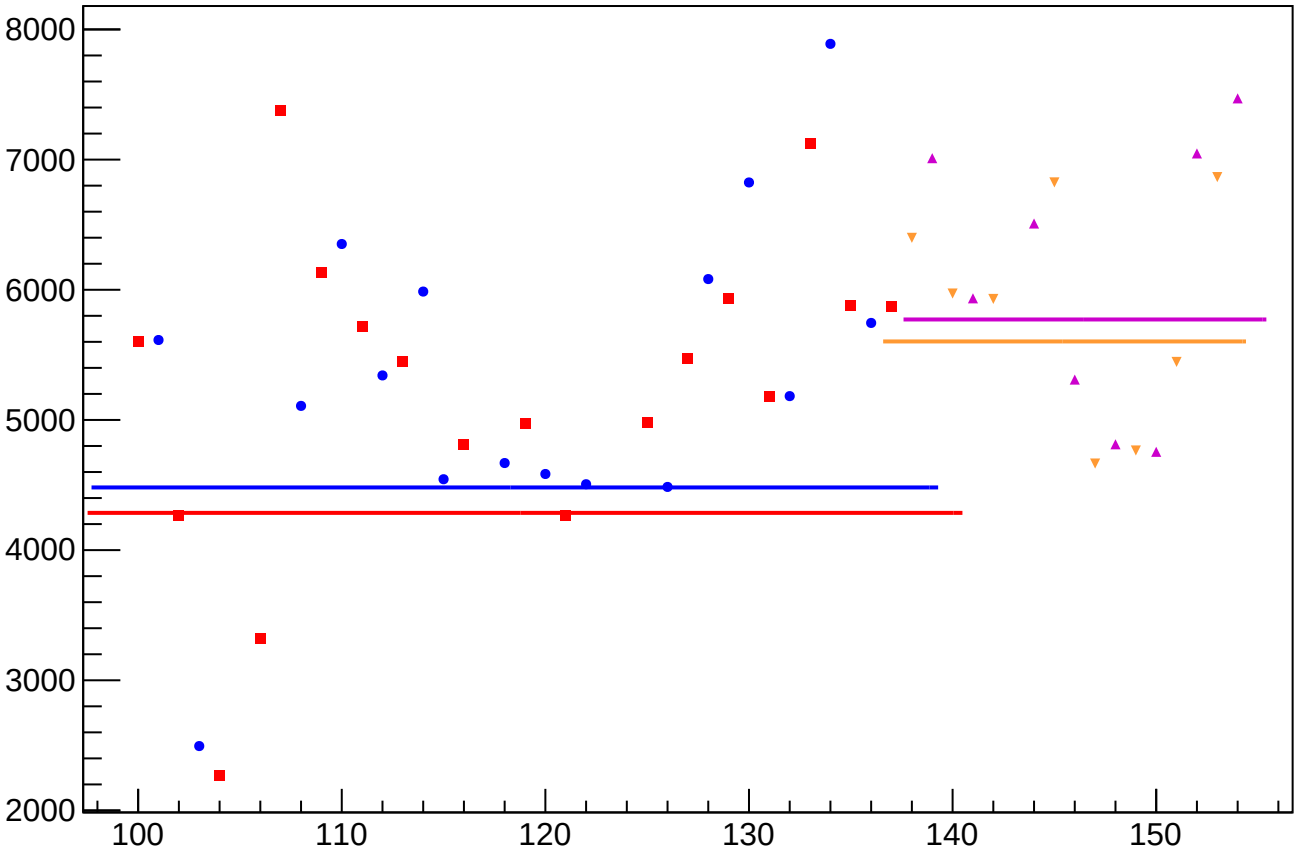
Left: 1368.390+/-1590.581 χ^2/NDF: 13.7/15

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -441.451+/-1377.187 χ^2/NDF:19.0/23

Out: 712.520+/-1365.059 χ^2/NDF:25.8/25

All: 140.638+/-969.502 χ^2/NDF: 45.1/49



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: 5771.847+/-1.567 χ^2/NDF:385881.2/7

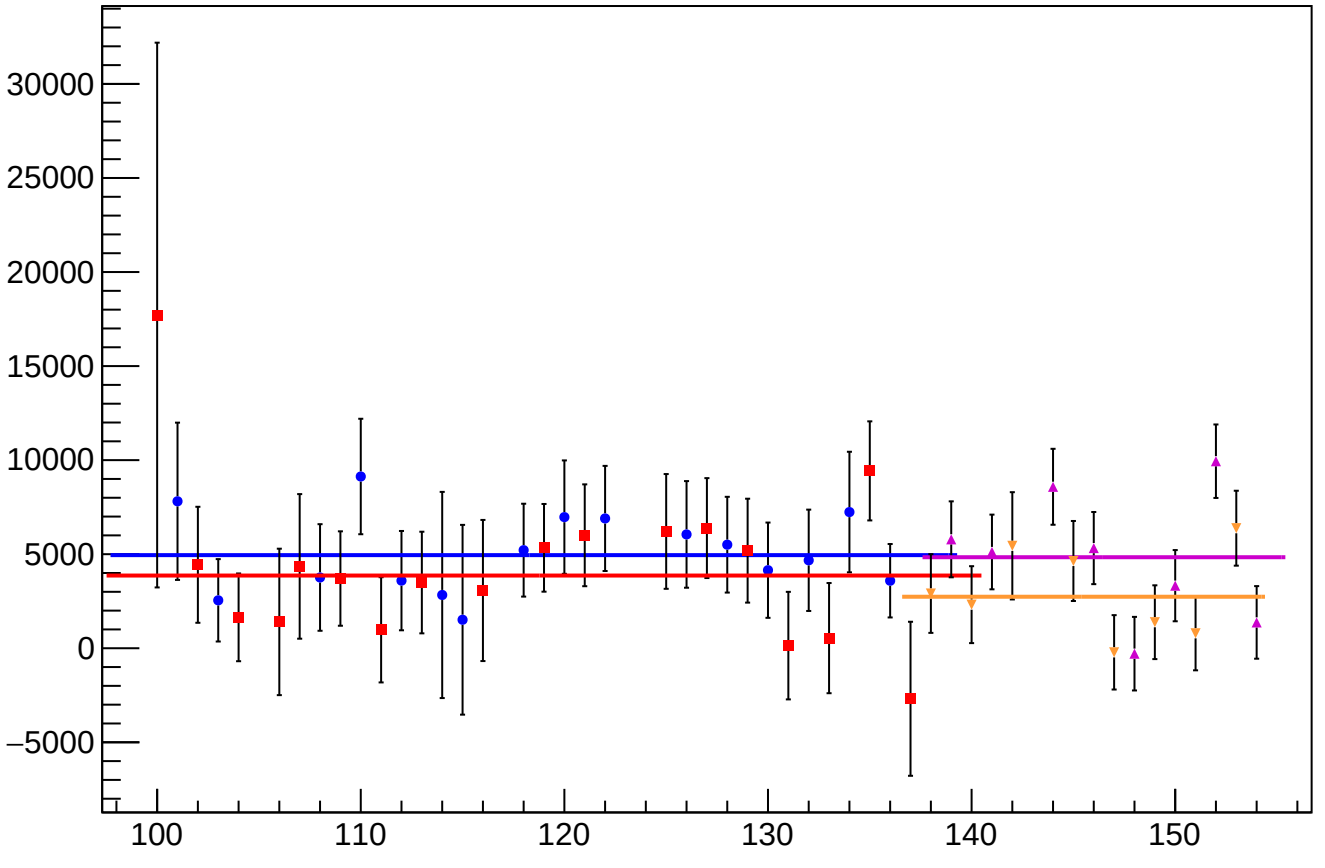
Left: 5690.022+/-1.125 χ^2/NDF: 651034.6/15

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4979.875+/-0.974 χ^2/NDF:2164329.1/23

Out: 4756.379+/-0.965 χ^2/NDF:2236732.3/25

All: 4867.139+/-0.686 χ^2/NDF: 4427630.6/49



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: 4838.755+/-692.133 χ^2/NDF:21.3/7

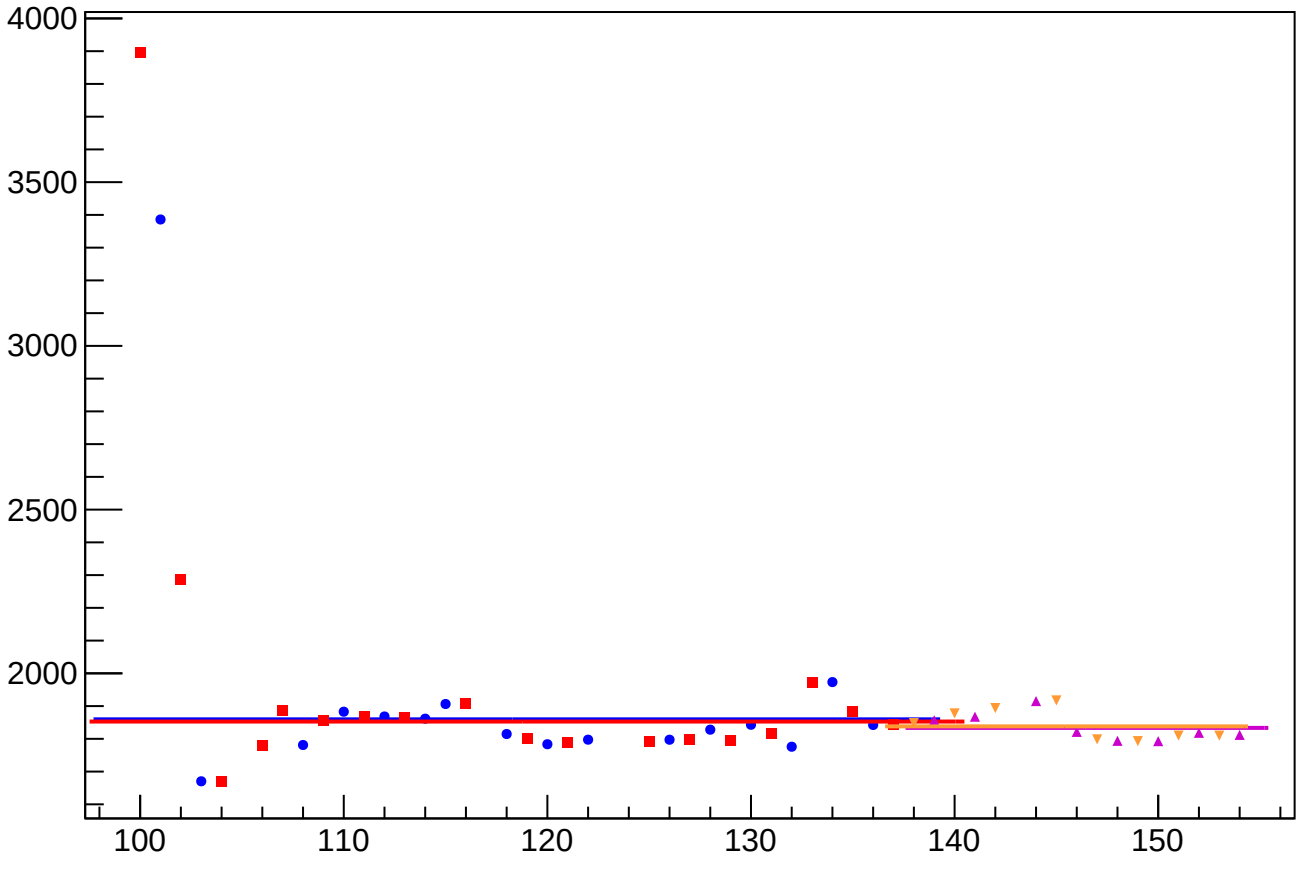
Left: 3855.281+/-504.753 χ^2/NDF: 34.4/15

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4893.753+/-491.800 χ^2/NDF:28.2/23

Out: 3334.414+/-506.162 χ^2/NDF:26.2/25

All: 4136.521+/-352.723 χ^2/NDF: 59.2/49



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: 1833.411+/-0.489 χ^2/NDF:6326.1/7

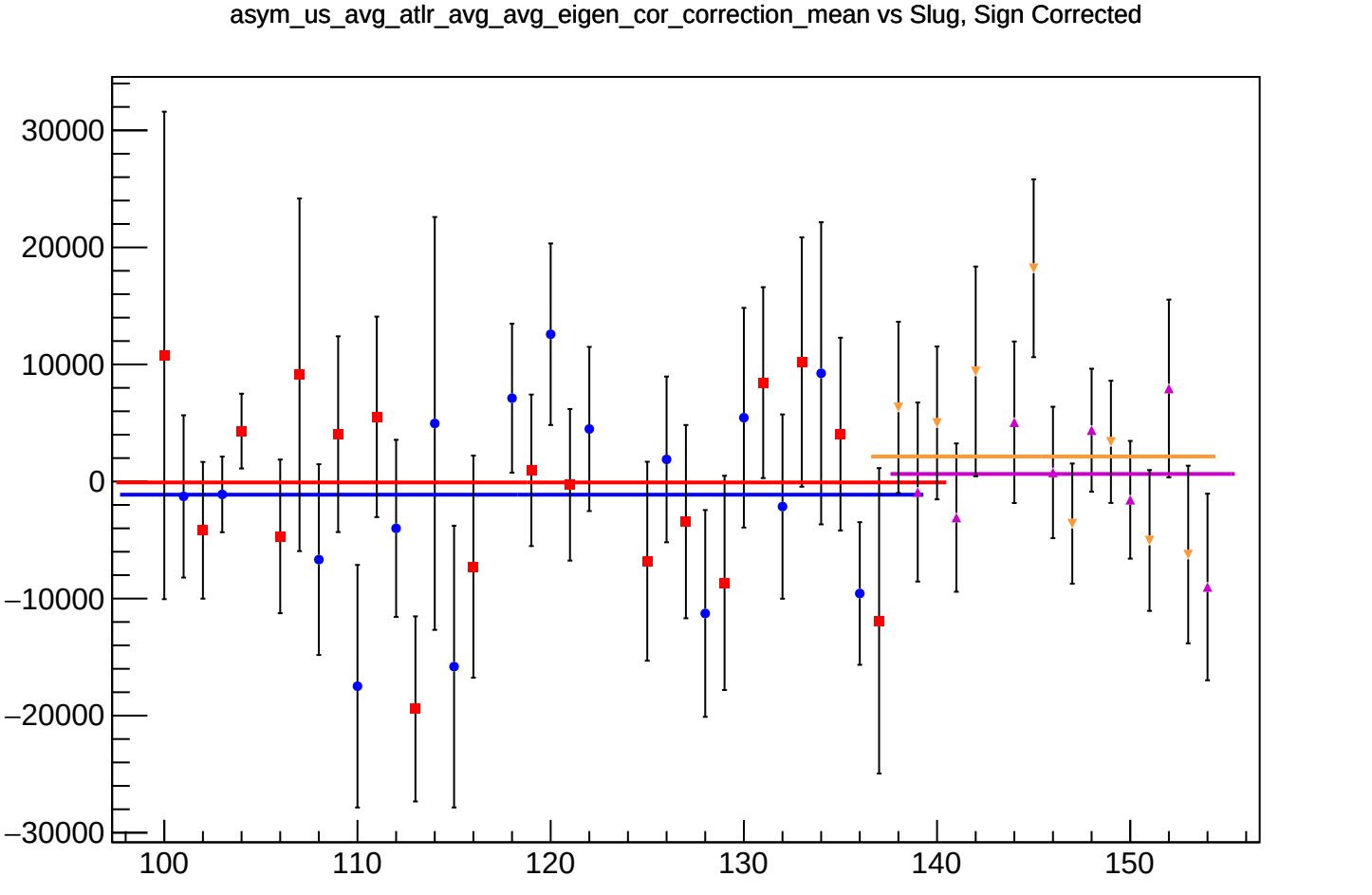
Left: 1835.576+/-0.357 χ^2/NDF: 13383.3/15

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

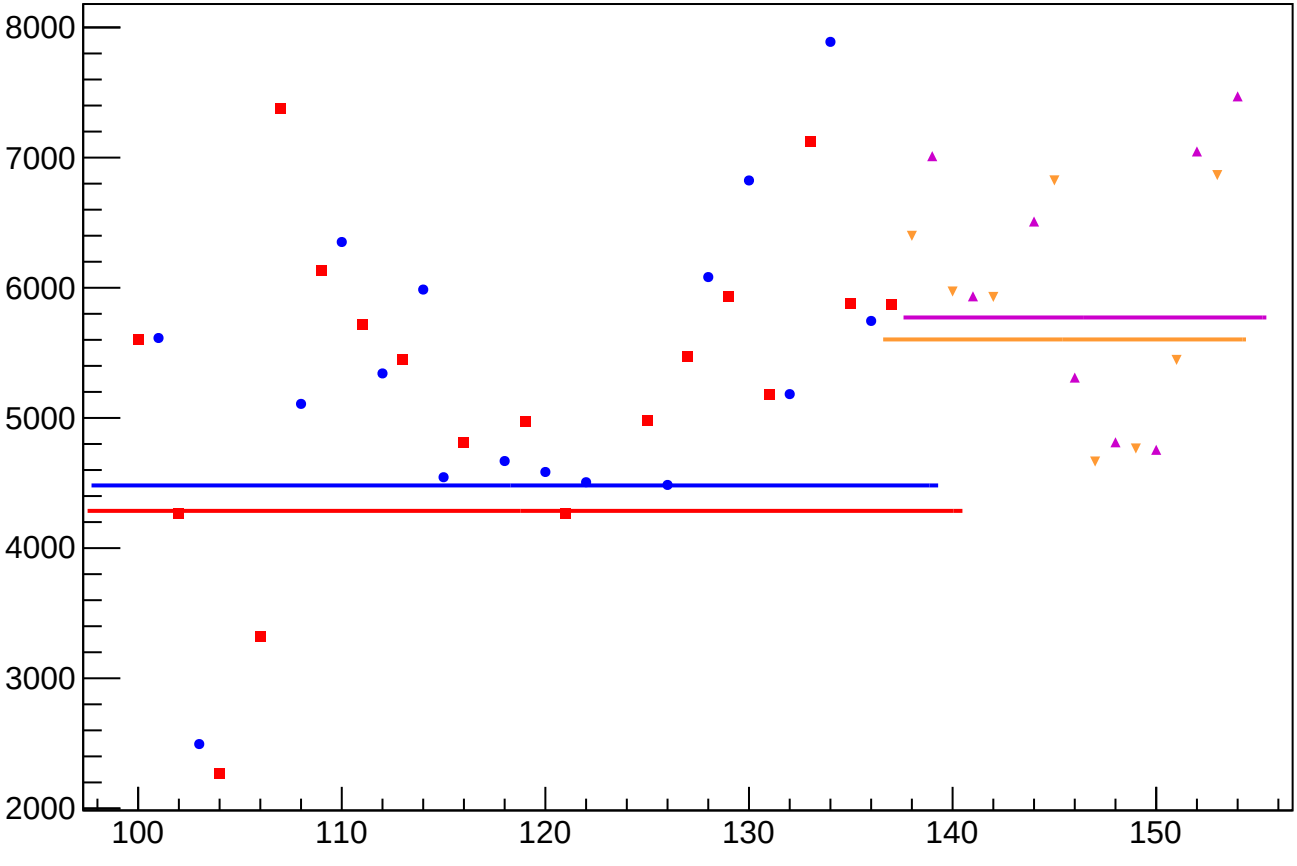
In: 1846.333+/-0.348 χ^2/NDF:300070.5/23

Out: 1845.853+/-0.357 χ^2/NDF:109189.4/25

All: 1846.099+/-0.249 χ^2/NDF: 409260.8/49


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 2136.336+/-2284.384 χ²/NDF:9.6/7
Right Out: -78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 645.722+/-2216.016 χ²/NDF:3.9/7
Left: 1368.390+/-1590.581 χ²/NDF: 13.7/15
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -441.451+/-1377.187 χ²/NDF:19.0/23
Out: 712.520+/-1365.059 χ²/NDF:25.8/25
All: 140.638+/-969.502 χ²/NDF: 45.1/49

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: 5771.847+/-1.567 χ^2/NDF:385881.2/7

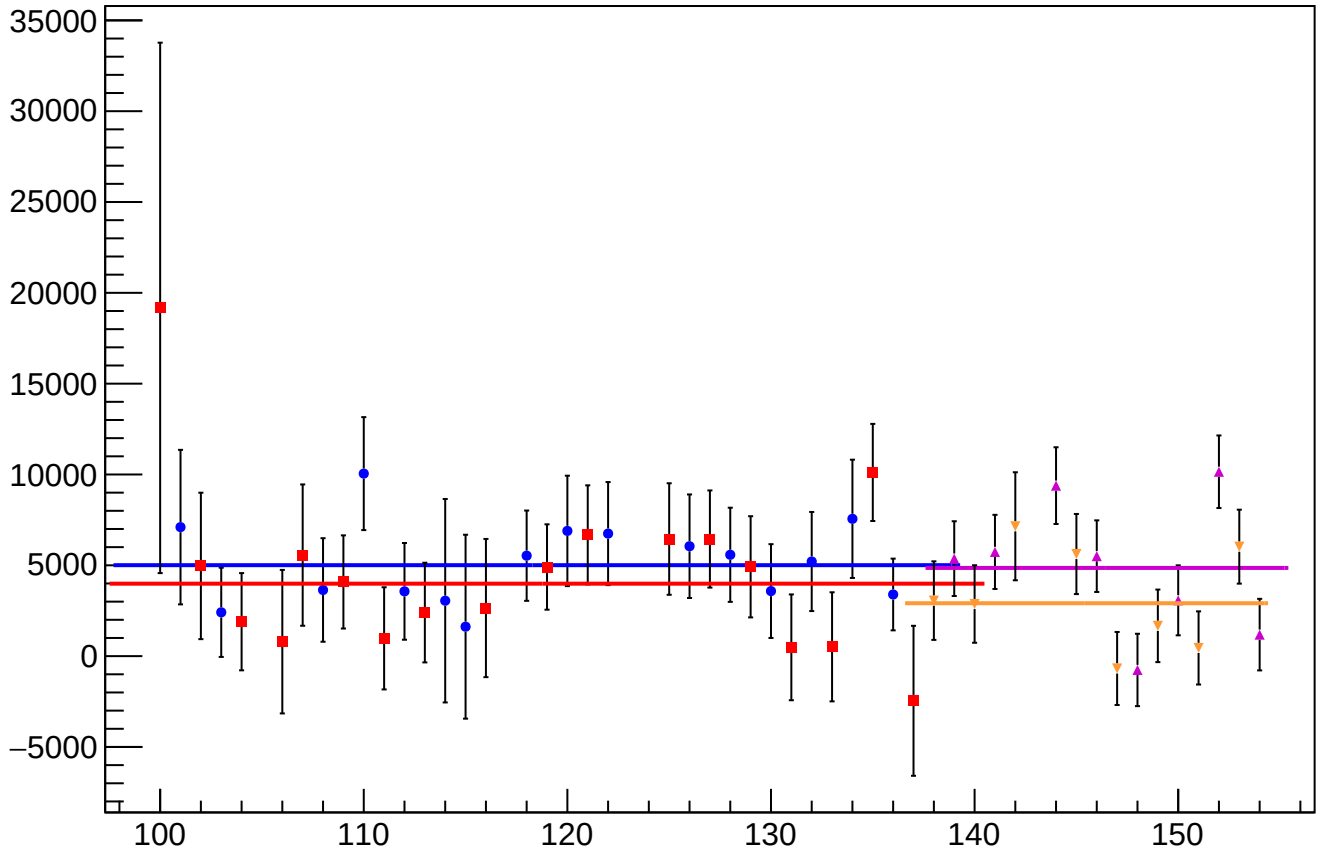
Left: 5690.022+/-1.125 χ^2/NDF: 651034.6/15

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4979.875+/-0.974 χ^2/NDF:2164329.1/23

Out: 4756.379+/-0.965 χ^2/NDF:2236732.3/25

All: 4867.139+/-0.686 χ^2/NDF: 4427630.6/49



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: 4855.613+/-709.321 χ^2/NDF:24.3/7

Left: 3949.211+/-518.059 χ^2/NDF: 38.7/15

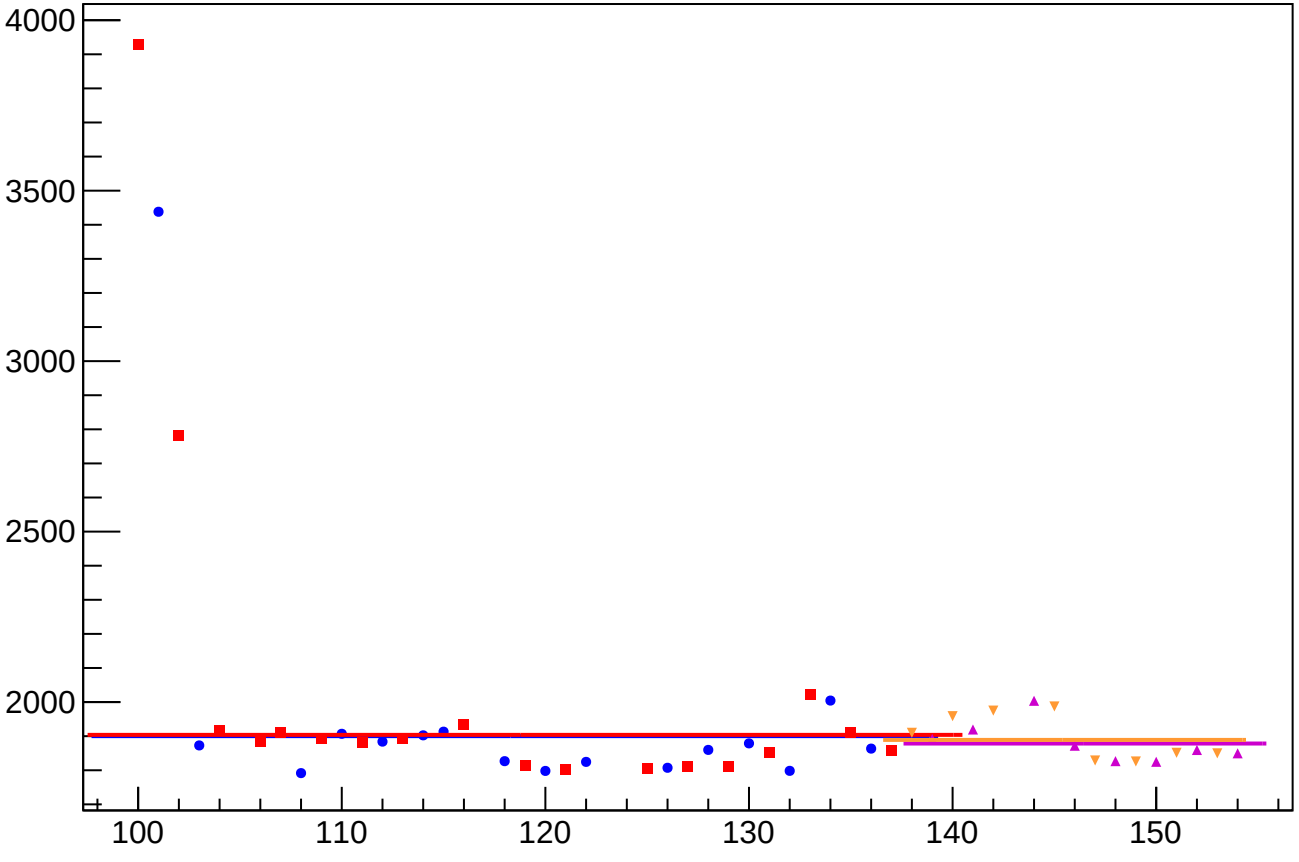
Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4930.959+/-503.233 χ^2/NDF:32.0/23

Out: 3479.756+/-521.804 χ^2/NDF:29.4/25

All: 4231.640+/-362.227 χ^2/NDF: 65.4/49

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



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: 1878.421+/-0.502 χ^2/NDF:11463.3/7

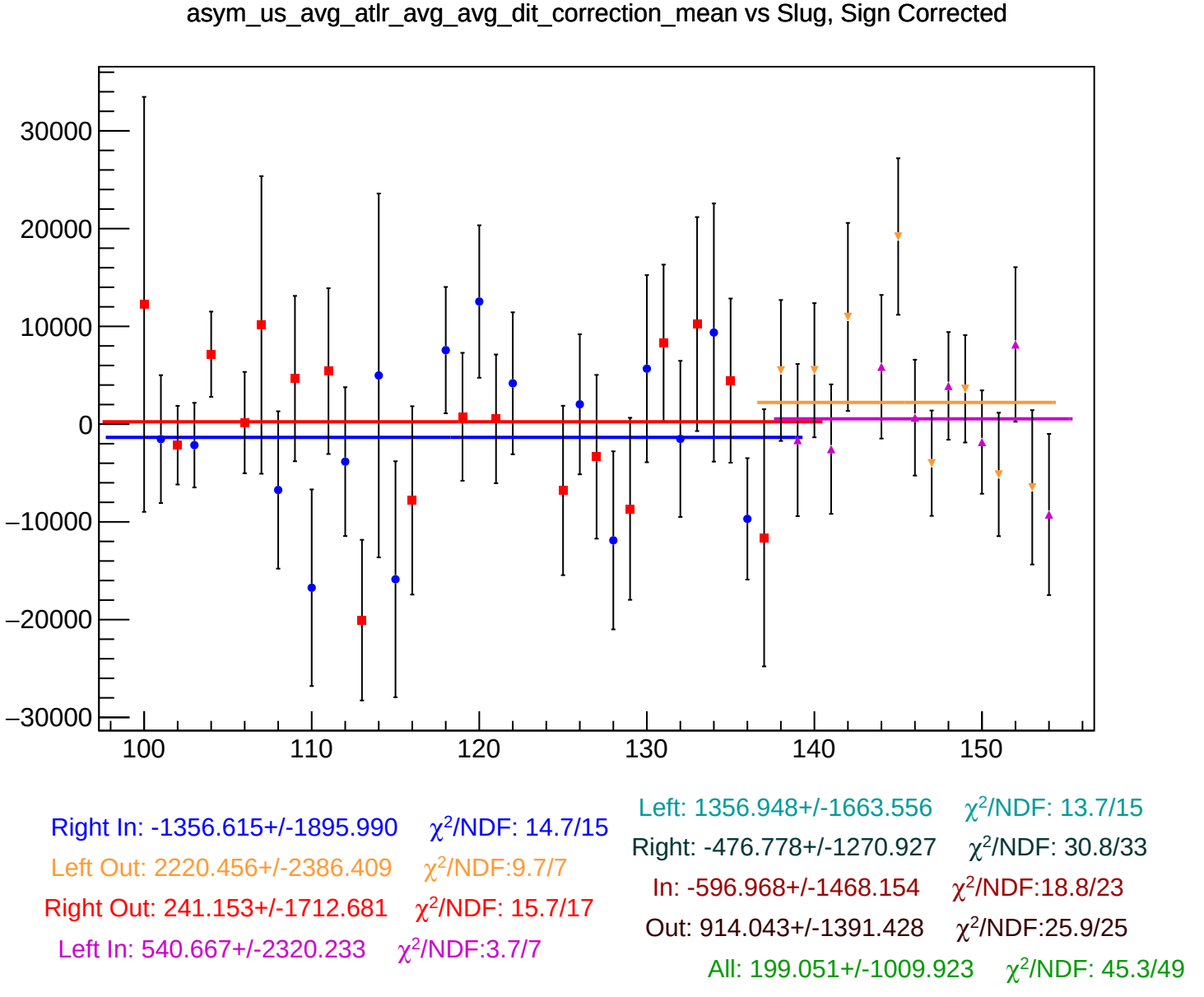
Left: 1883.380+/-0.366 χ^2/NDF: 24878.8/15

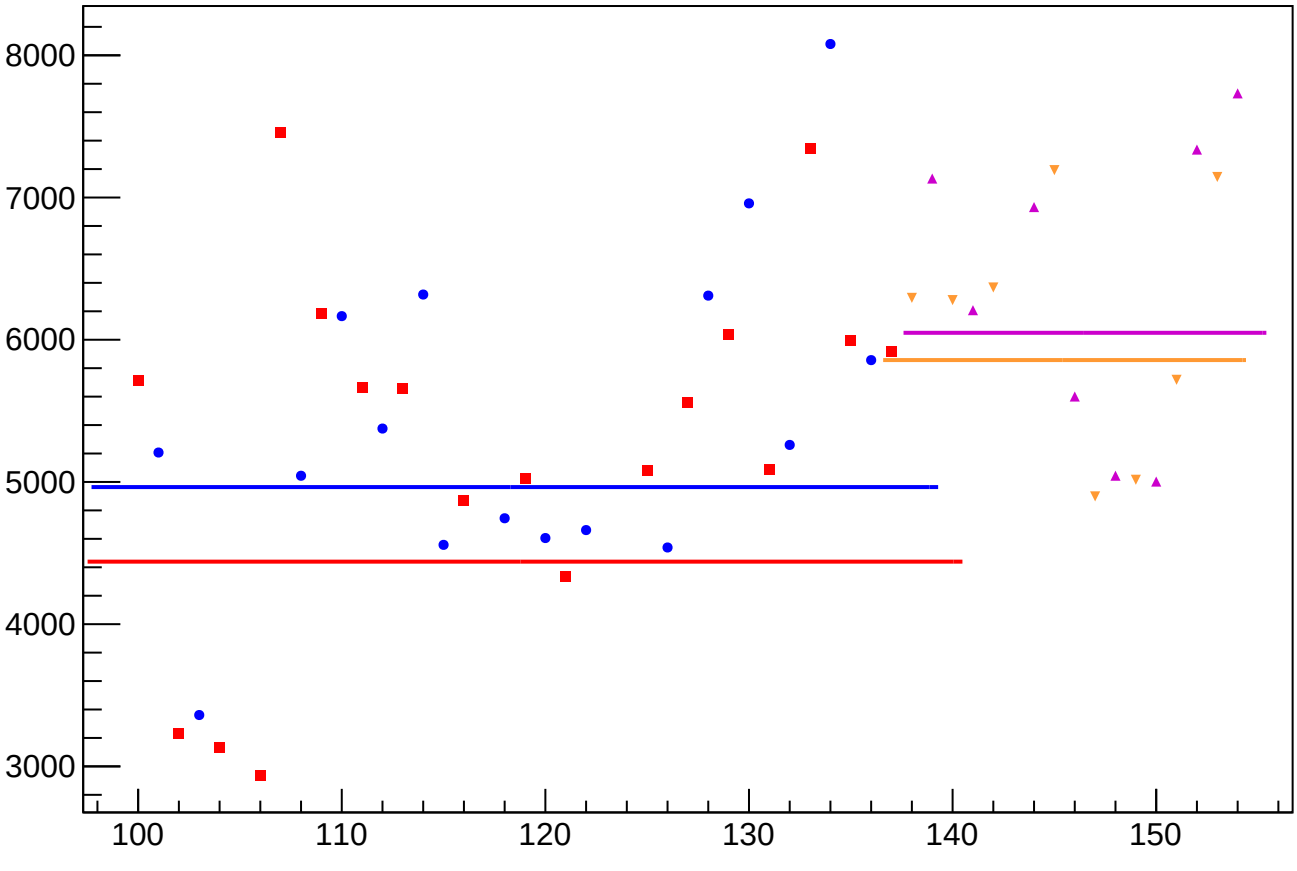
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1889.194+/-0.356 χ^2/NDF:290840.4/23

Out: 1896.840+/-0.369 χ^2/NDF:163722.1/25

All: 1892.881+/-0.256 χ^2/NDF: 454785.1/49


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: 2220.456+/-2386.409 χ²/NDF:9.7/7
Right Out: 241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: 540.667+/-2320.233 χ²/NDF:3.7/7
Left: 1356.948+/-1663.556 χ²/NDF: 13.7/15
Right: -476.778+/-1270.927 χ²/NDF: 30.8/33
In: -596.968+/-1468.154 χ²/NDF:18.8/23
Out: 914.043+/-1391.428 χ²/NDF:25.9/25
All: 199.051+/-1009.923 χ²/NDF: 45.3/49



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: 6048.786+/-1.641 χ^2/NDF:361759.8/7

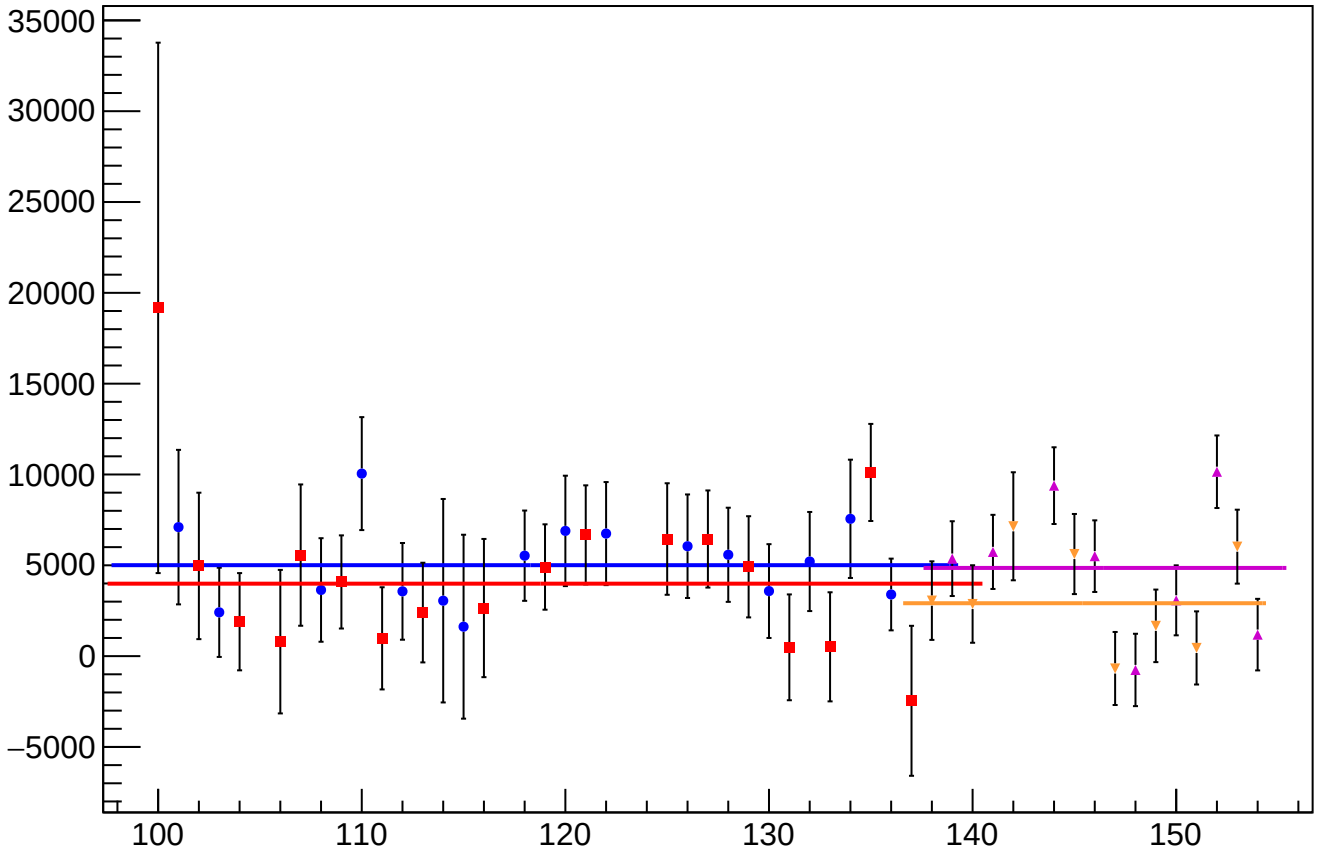
Left: 5955.613+/-1.176 χ^2/NDF: 609026.9/15

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5398.333+/-1.038 χ^2/NDF:1251273.2/23

Out: 4921.530+/-0.984 χ^2/NDF:1864810.3/25

All: 5147.147+/-0.714 χ^2/NDF: 3227211.1/49



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: 4855.611+/-709.321 χ^2/NDF:24.3/7

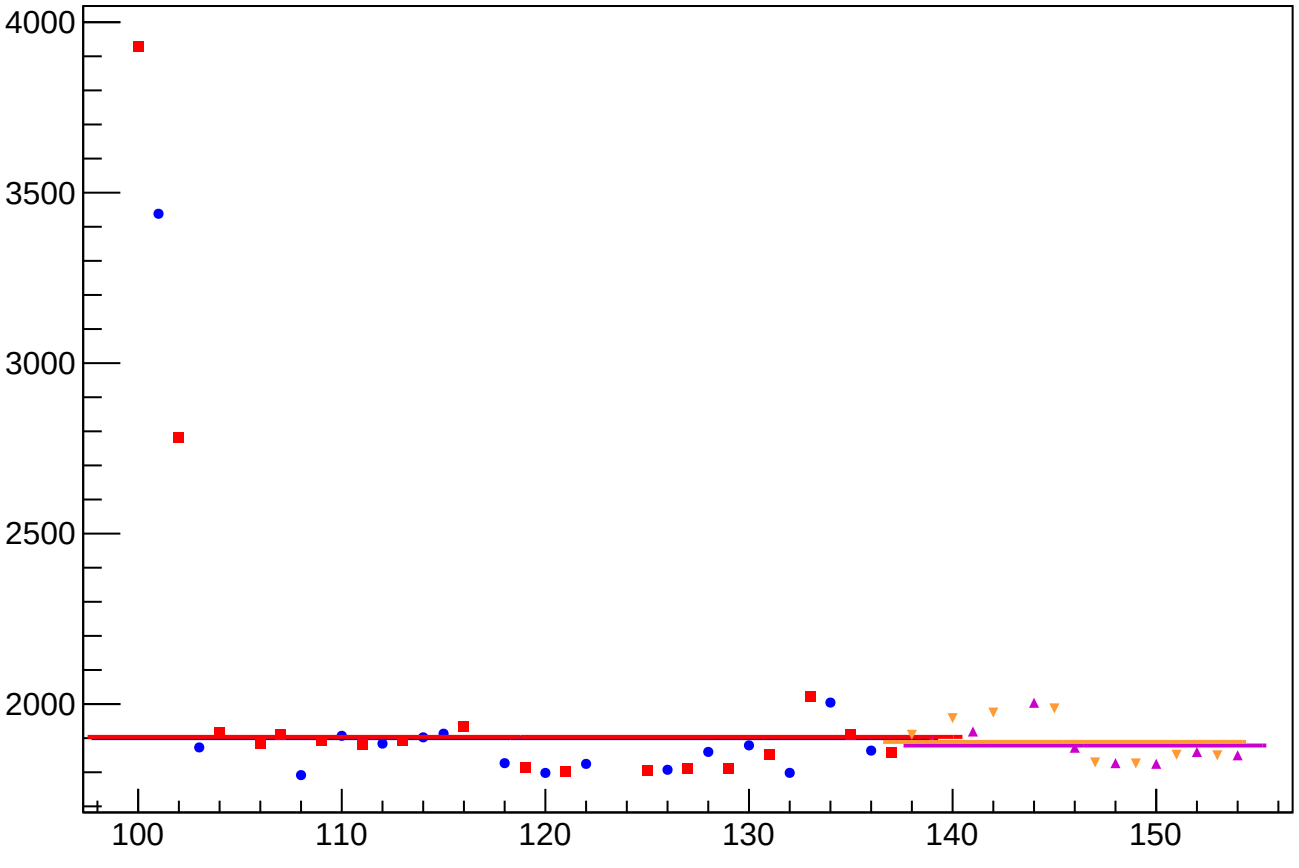
Left: 3949.210+/-518.060 χ^2/NDF: 38.7/15

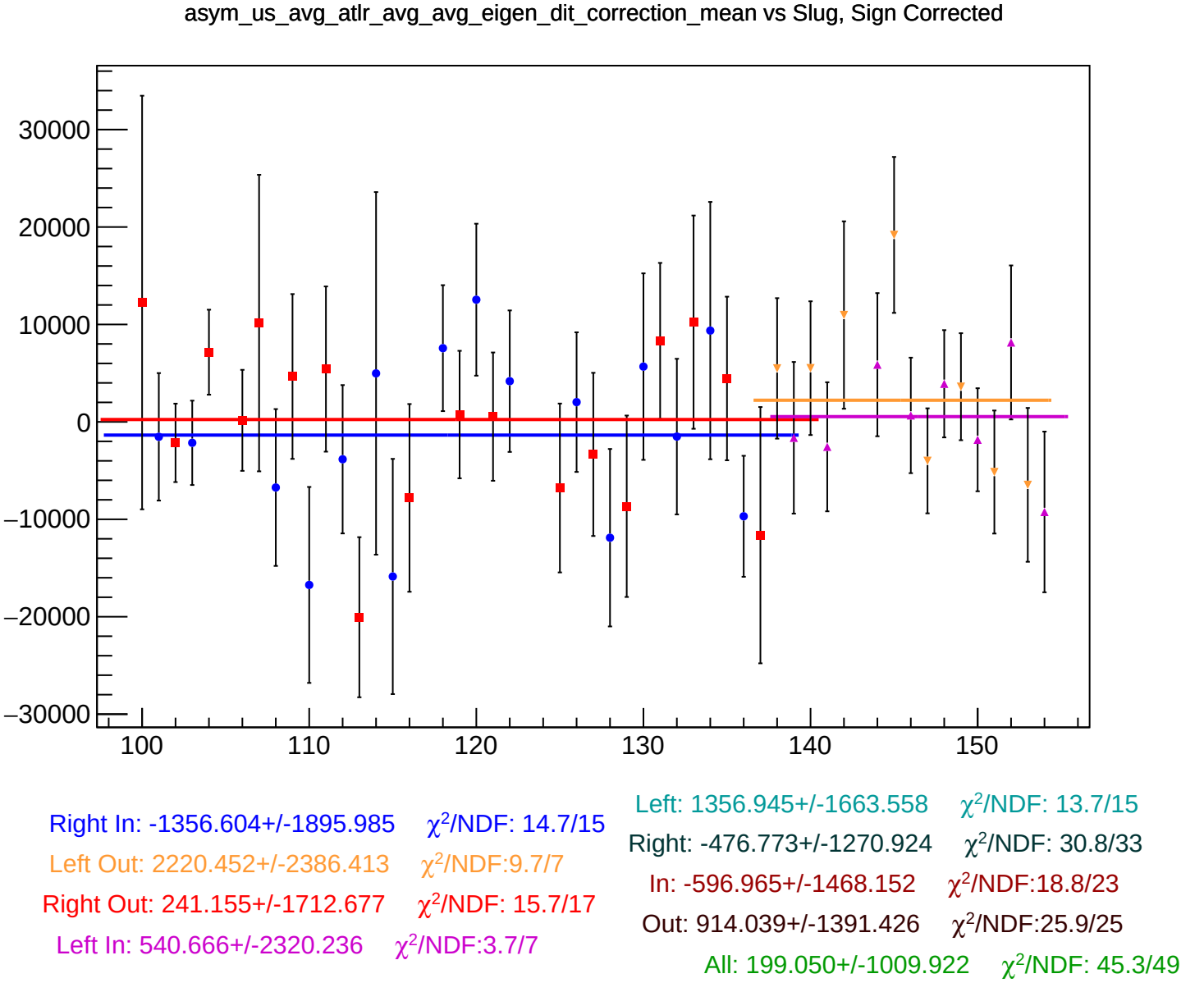
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4930.957+/-503.233 χ^2/NDF:32.0/23

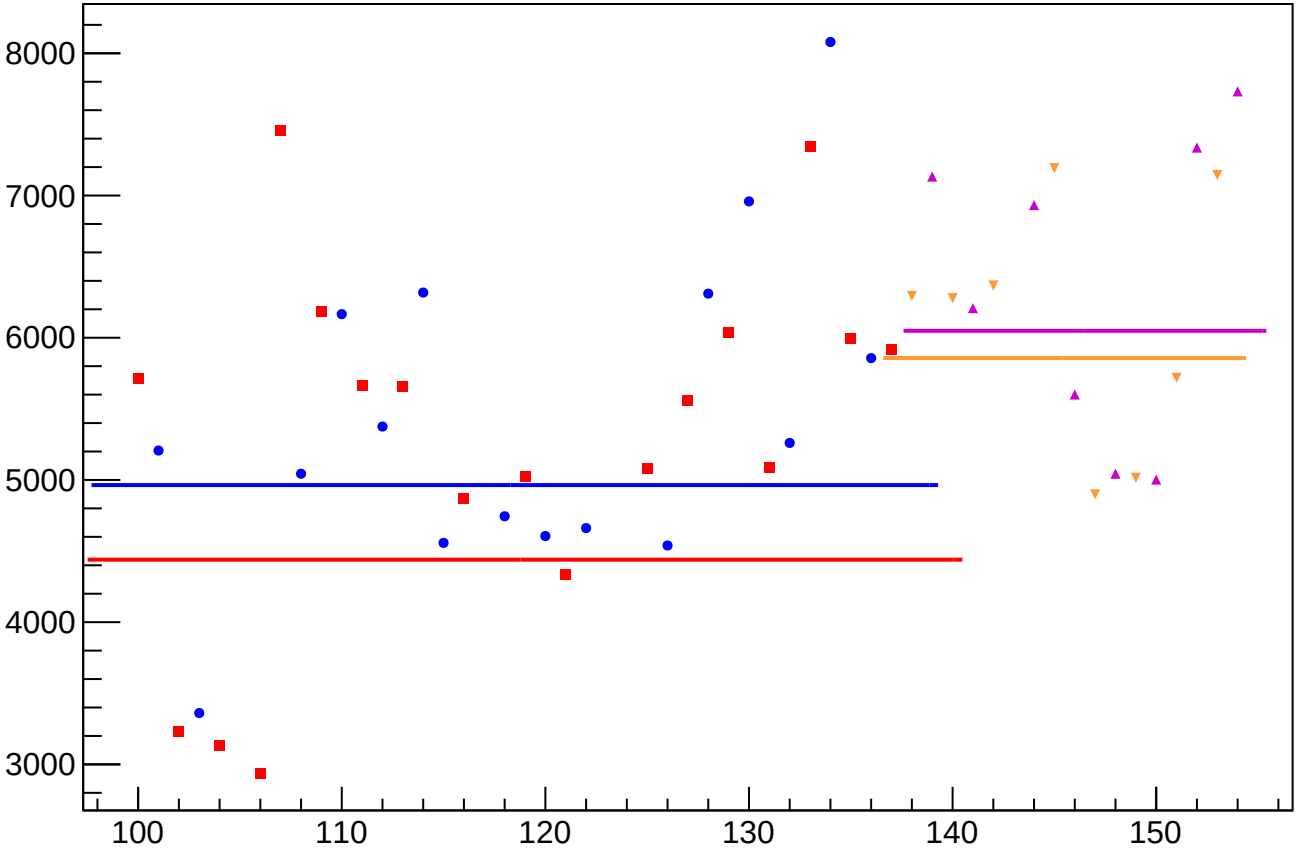
Out: 3479.757+/-521.804 χ^2/NDF:29.4/25

All: 4231.639+/-362.227 χ^2/NDF: 65.4/49


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1889.051+/-0.536 χ²/NDF:13206.2/7
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1878.422+/-0.502 χ²/NDF:11463.4/7
Left: 1883.381+/-0.366 χ²/NDF: 24879.1/15
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1889.194+/-0.356 χ²/NDF:290840.6/23
Out: 1896.840+/-0.369 χ²/NDF:163721.5/25
All: 1892.881+/-0.256 χ²/NDF: 454784.7/49


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: 540.666+/-2320.236 χ²/NDF:3.7/7
Left: 1356.945+/-1663.558 χ²/NDF: 13.7/15
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -596.965+/-1468.152 χ²/NDF:18.8/23
Out: 914.039+/-1391.426 χ²/NDF:25.9/25
All: 199.050+/-1009.922 χ²/NDF: 45.3/49

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 5857.058+/-1.687 χ^2/NDF:240631.7/7

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6048.794+/-1.641 χ^2/NDF:361760.4/7

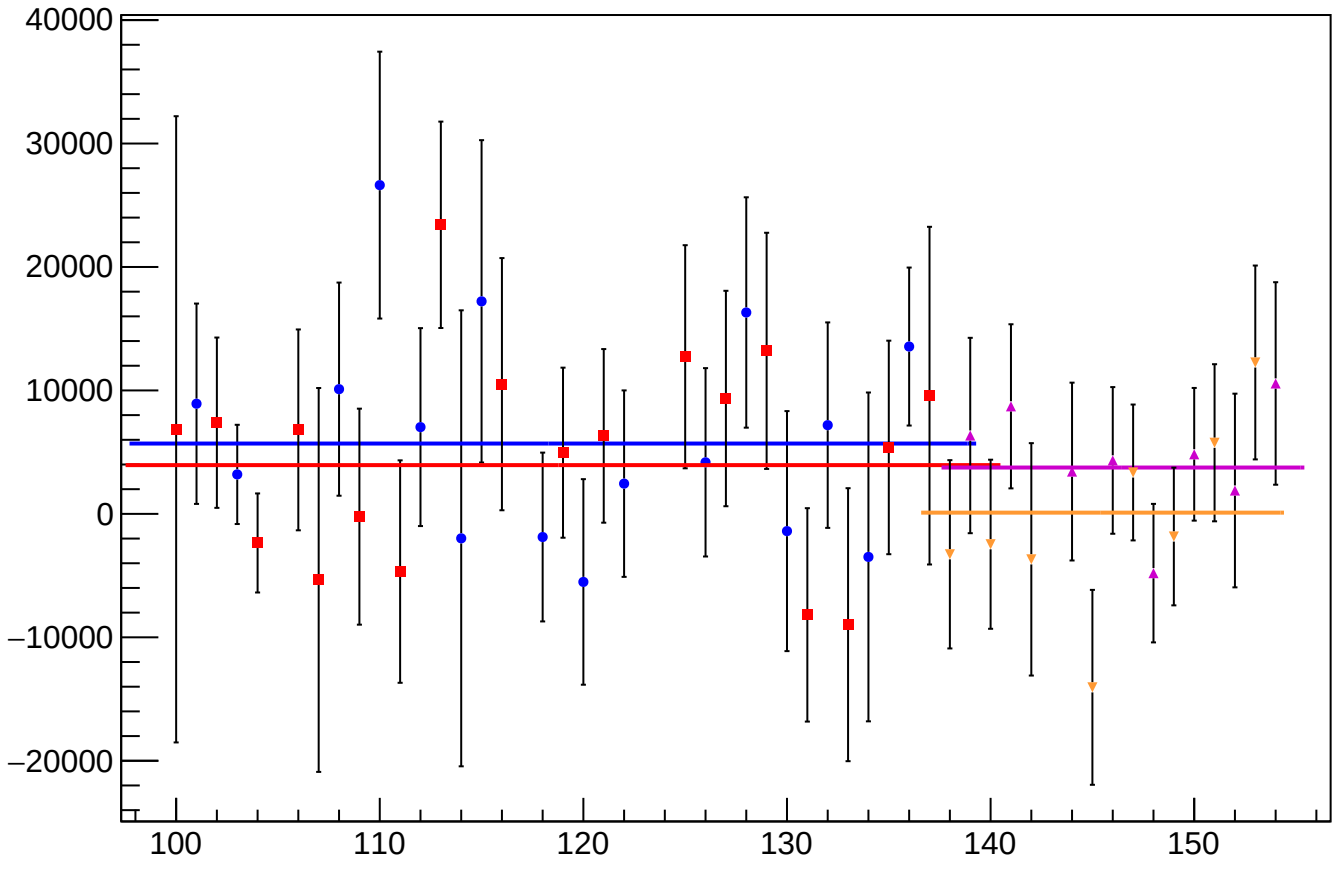
Left: 5955.621+/-1.176 χ^2/NDF: 609028.9/15

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5398.327+/-1.038 χ^2/NDF:1251286.8/23

Out: 4921.522+/-0.984 χ^2/NDF:1864823.9/25

All: 5147.140+/-0.714 χ^2/NDF: 3227238.8/49



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: 3753.892+/-2333.036 χ^2/NDF:3.8/7

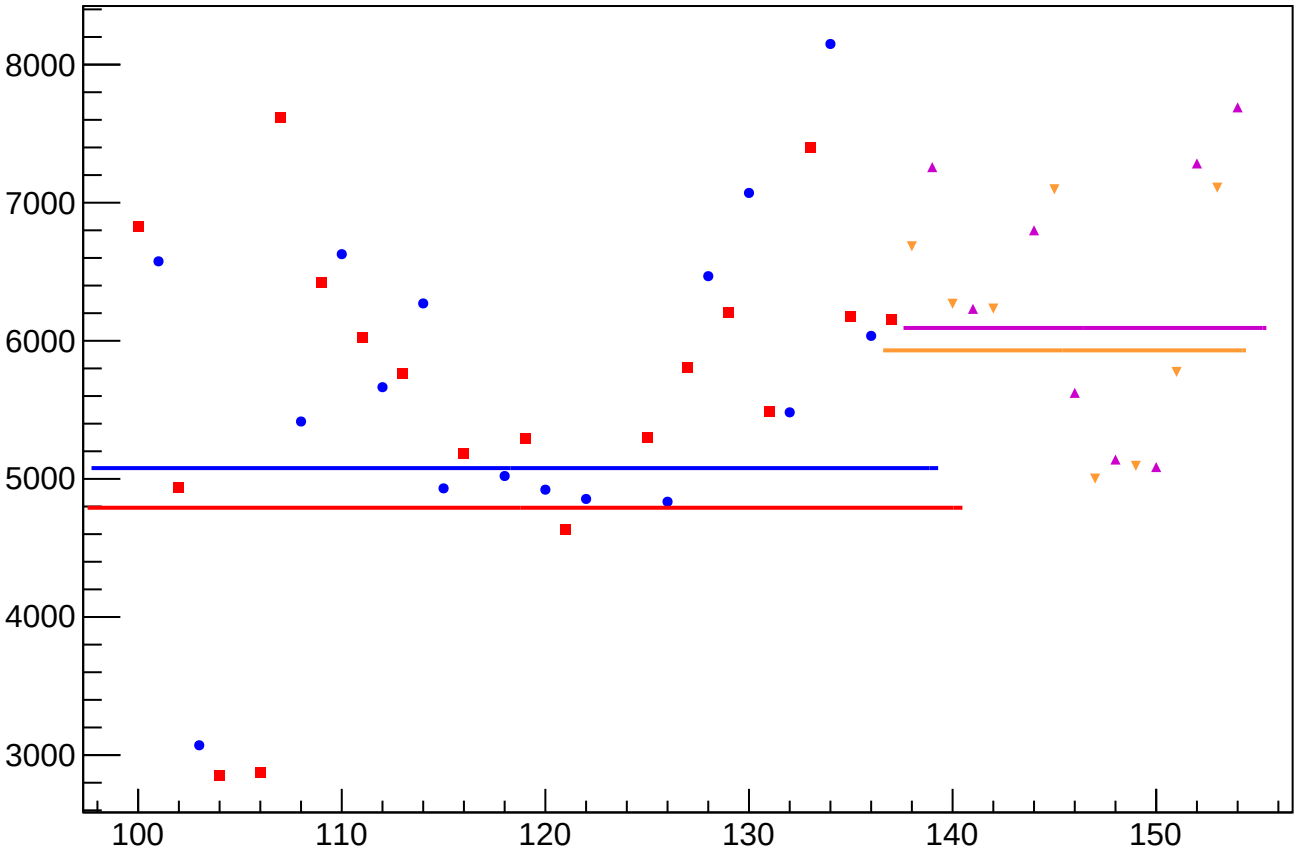
Left: 1987.489+/-1676.828 χ^2/NDF: 12.3/15

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4893.530+/-1500.349 χ^2/NDF:16.8/23

Out: 2455.522+/-1502.388 χ^2/NDF:25.1/25

All: 3676.181+/-1061.627 χ^2/NDF: 43.2/49



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: 6093.097+/-1.650 χ^2/NDF:325884.2/7

Left: 6014.566+/-1.186 χ^2/NDF: 548802.3/15

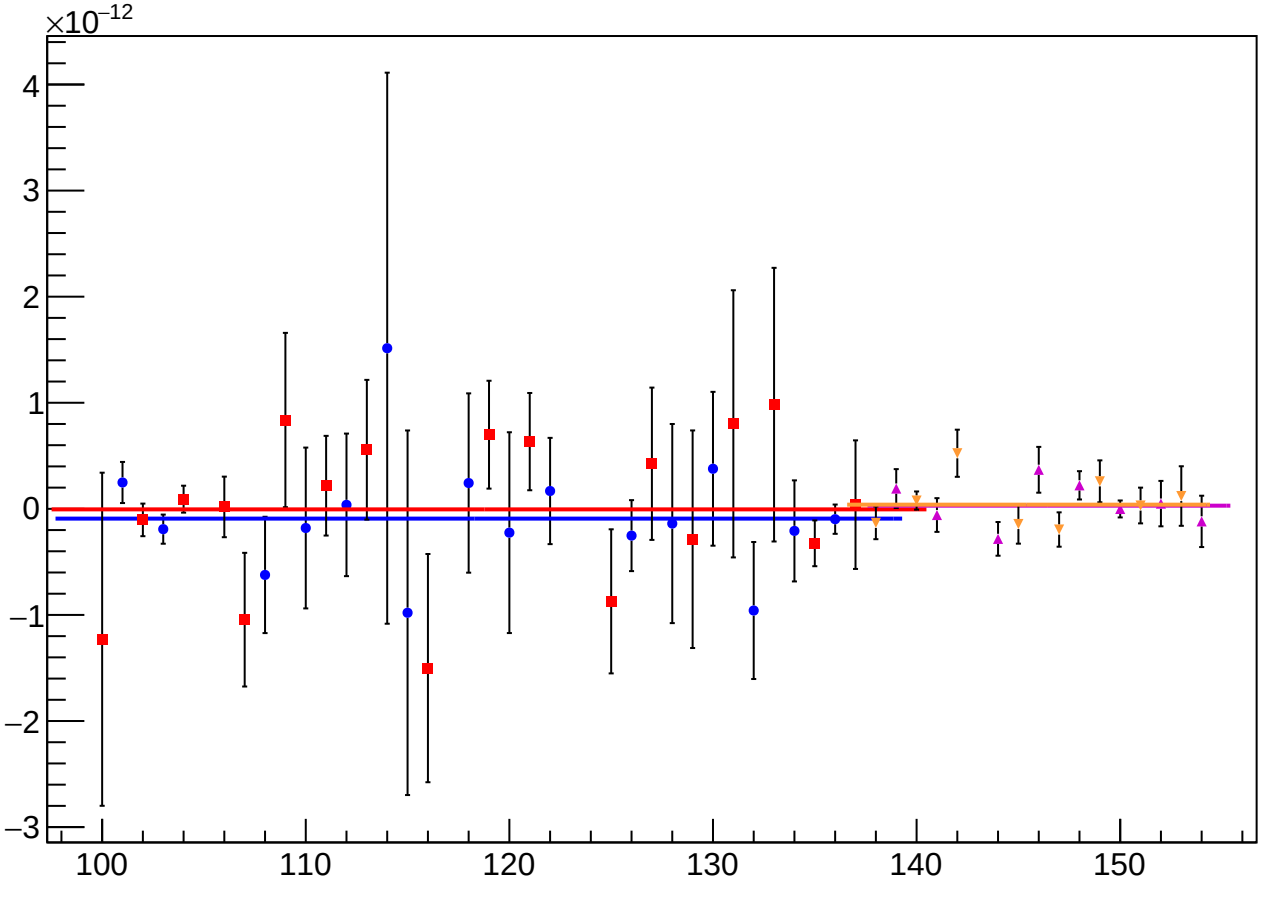
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5497.891+/-1.061 χ^2/NDF:1467064.3/23

Out: 5222.403+/-1.049 χ^2/NDF:1658195.0/25

All: 5358.607+/-0.746 χ^2/NDF: 3159351.6/49

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:10.0/7

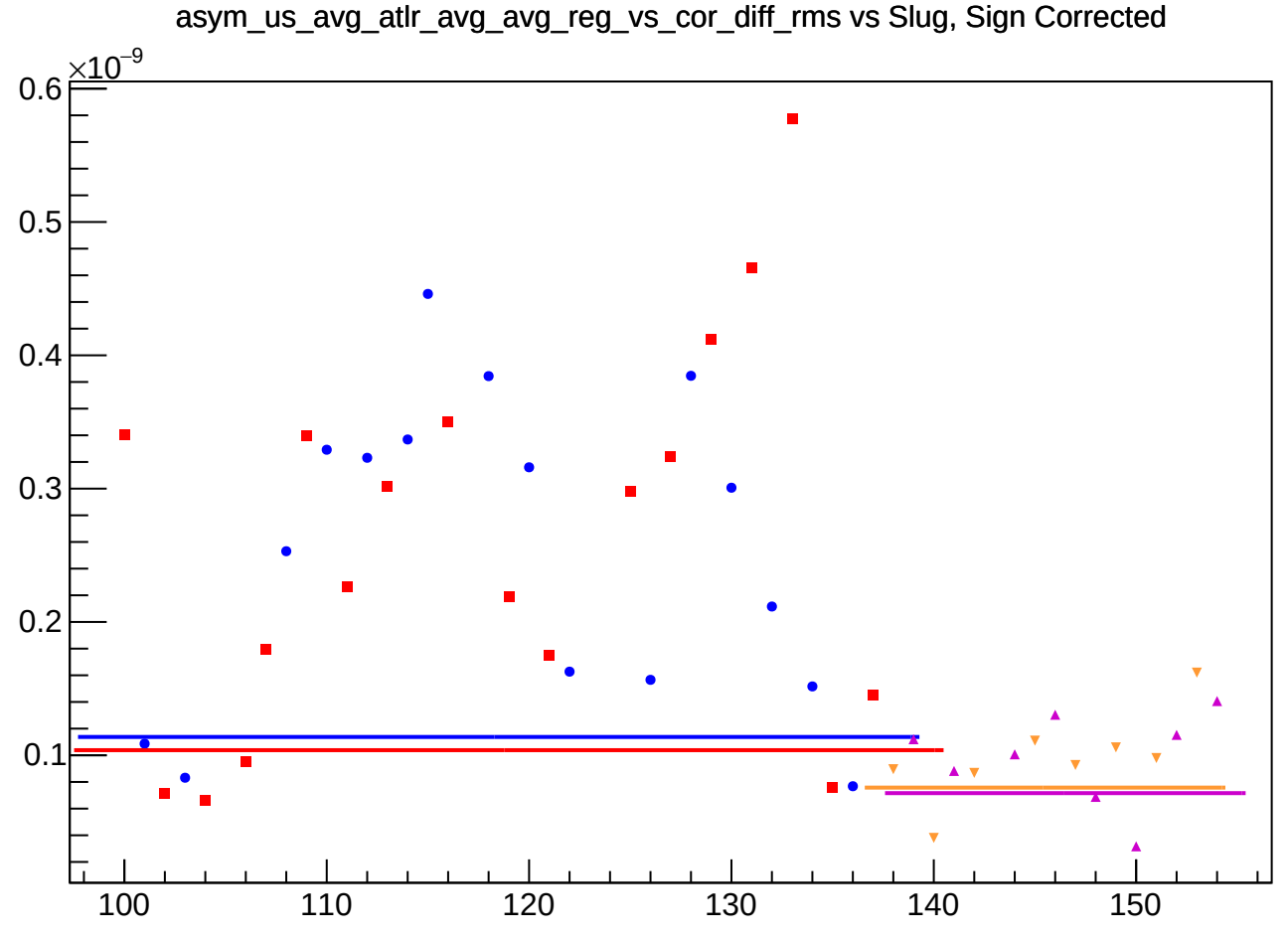
Left: 0.000+/-0.000 χ^2/NDF: 20.6/15

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:19.9/23

Out: 0.000+/-0.000 χ^2/NDF:28.2/25

All: 0.000+/-0.000 χ^2/NDF: 48.4/49



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:1080877.8/7

Left: 0.000+/-0.000 χ^2/NDF: 1859268.7/15

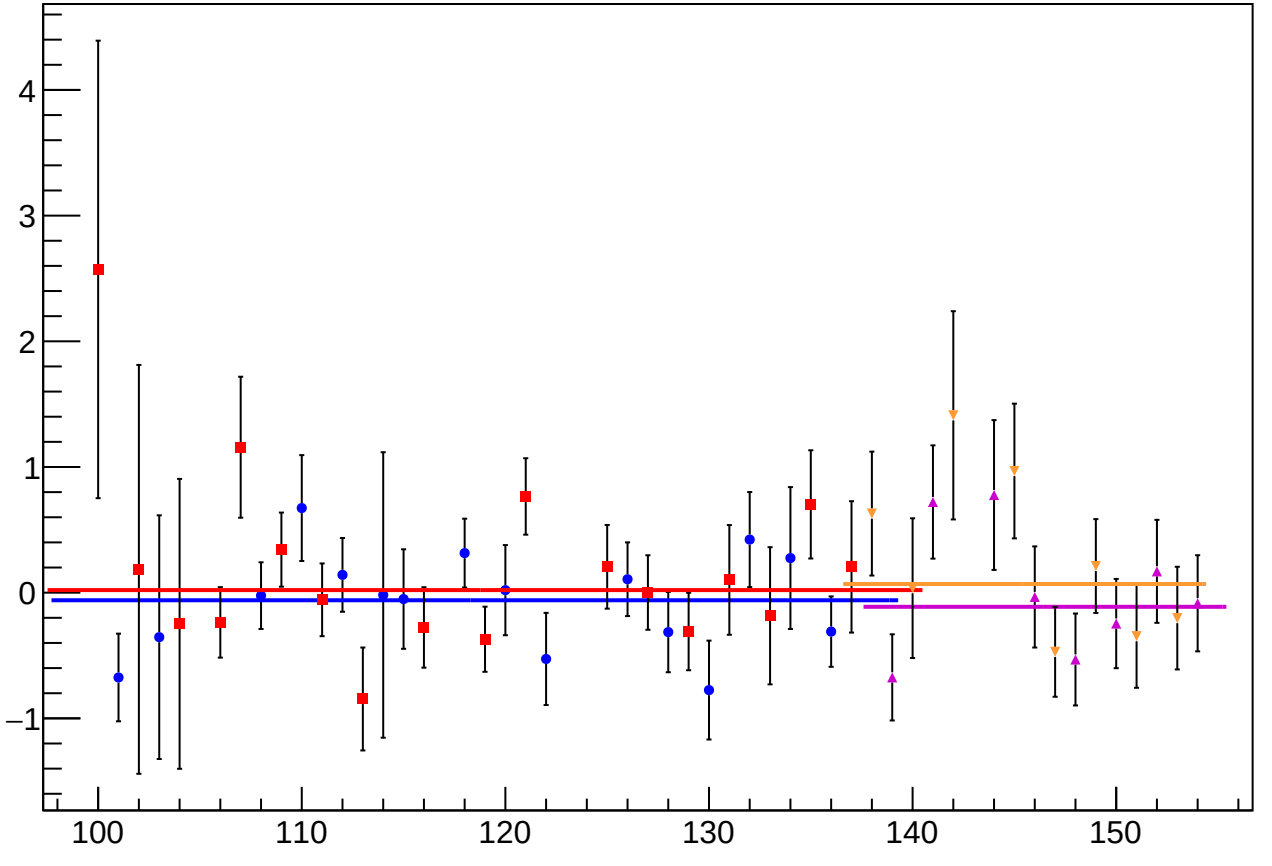
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3015252.7/23

Out: 0.000+/-0.000 χ^2/NDF:3036909.2/25

All: 0.000+/-0.000 χ^2/NDF: 6052447.0/49

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: -0.112+/-0.141 χ^2/NDF:10.3/7

Left: -0.033+/-0.105 χ^2/NDF: 21.7/15

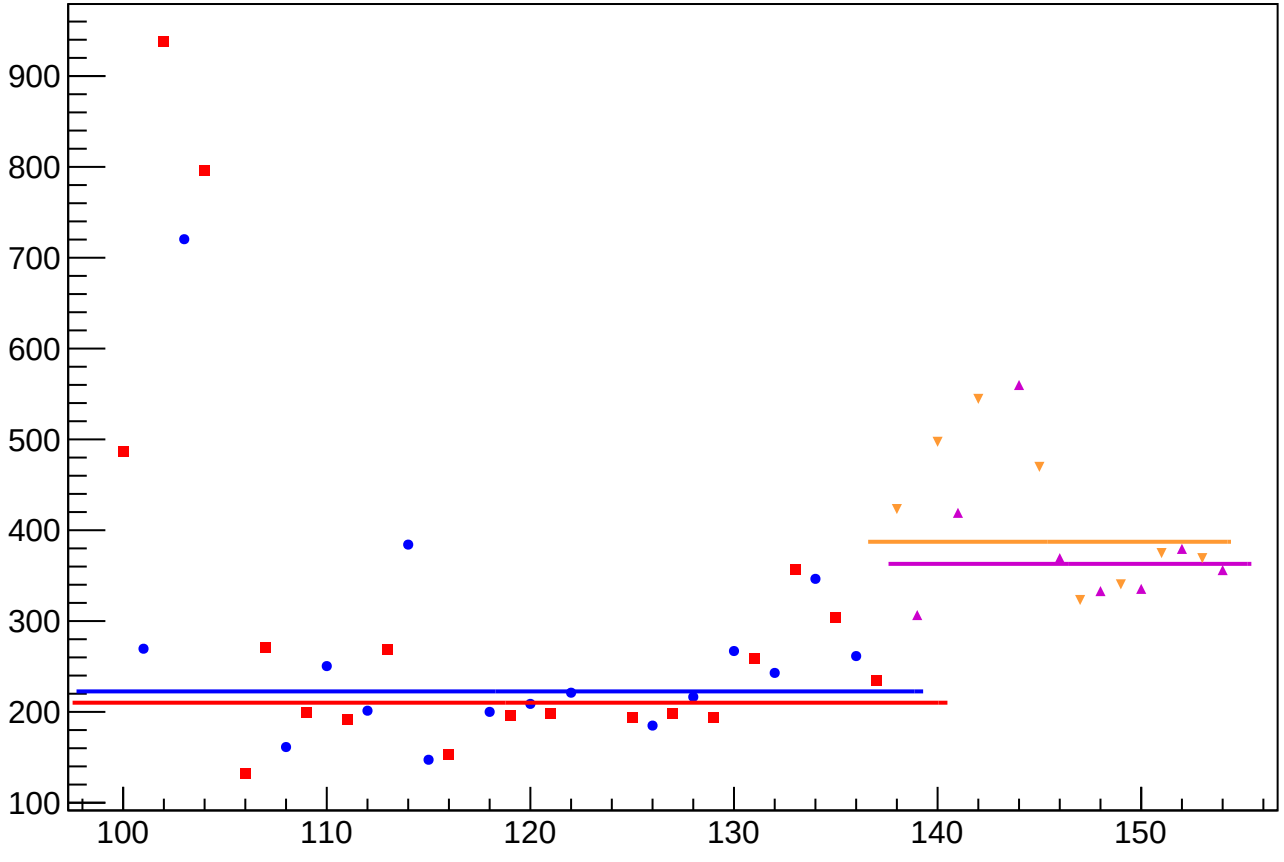
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.075 χ^2/NDF:27.7/23

Out: 0.032+/-0.077 χ^2/NDF:36.8/25

All: -0.023+/-0.054 χ^2/NDF: 65.5/49

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: 362.976+/-0.099 χ^2/NDF:333398.1/7

Left: 373.595+/-0.075 χ^2/NDF: 669845.6/15

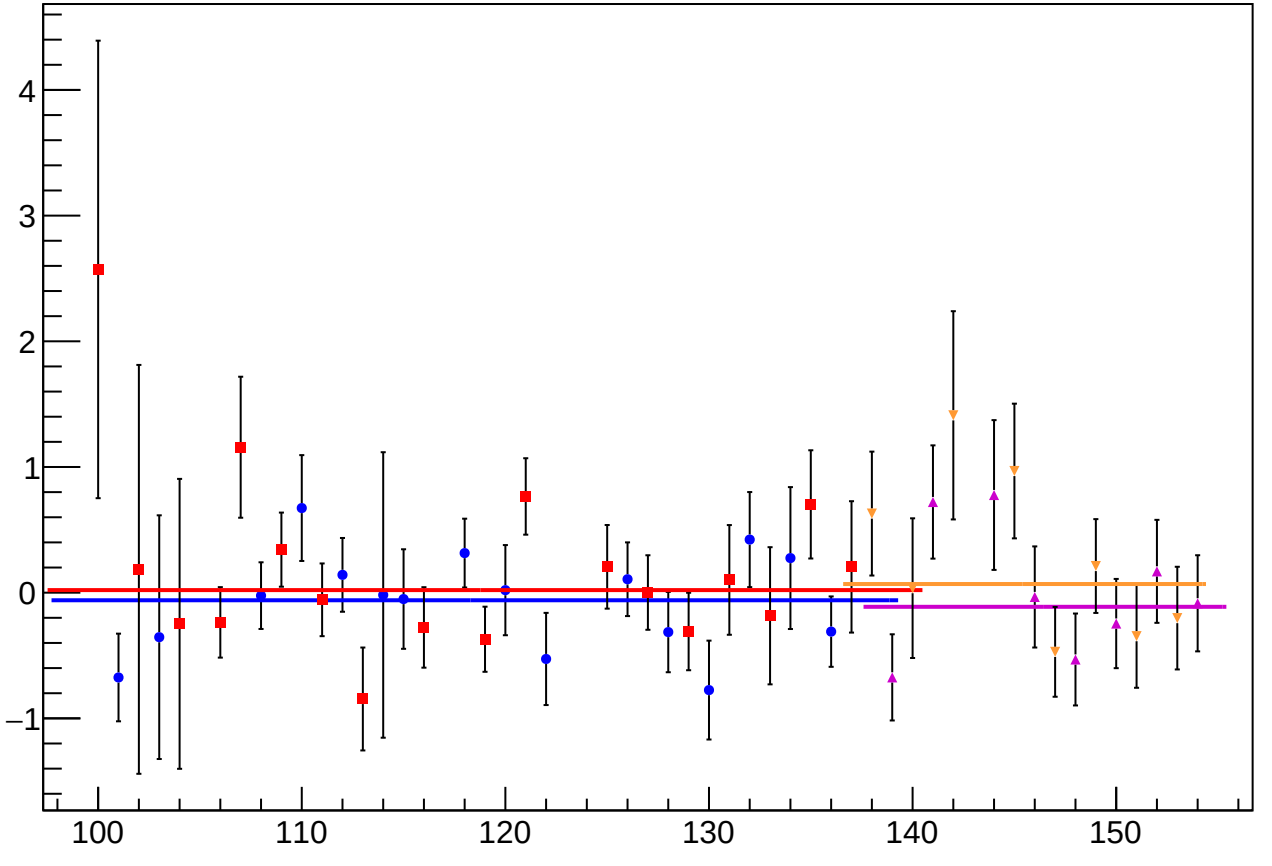
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 262.541+/-0.053 χ^2/NDF:2780212.4/23

Out: 250.999+/-0.054 χ^2/NDF:3753756.5/25

All: 256.899+/-0.038 χ^2/NDF: 6557129.1/49

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: -0.112+/-0.141 χ^2/NDF:10.3/7

Left: -0.033+/-0.105 χ^2/NDF: 21.7/15

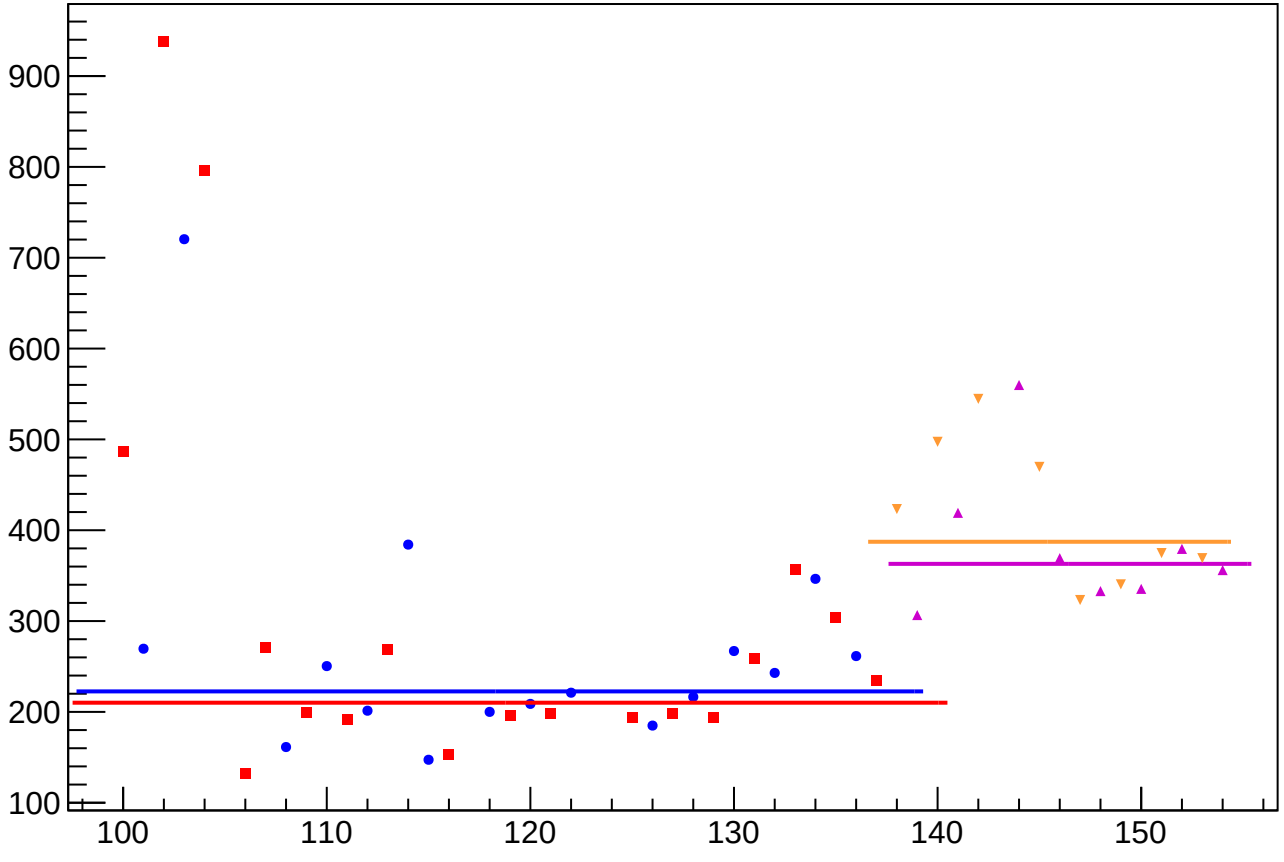
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.075 χ^2/NDF:27.7/23

Out: 0.032+/-0.077 χ^2/NDF:36.8/25

All: -0.023+/-0.054 χ^2/NDF: 65.5/49

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: 362.976+/-0.099 χ^2/NDF:333398.1/7

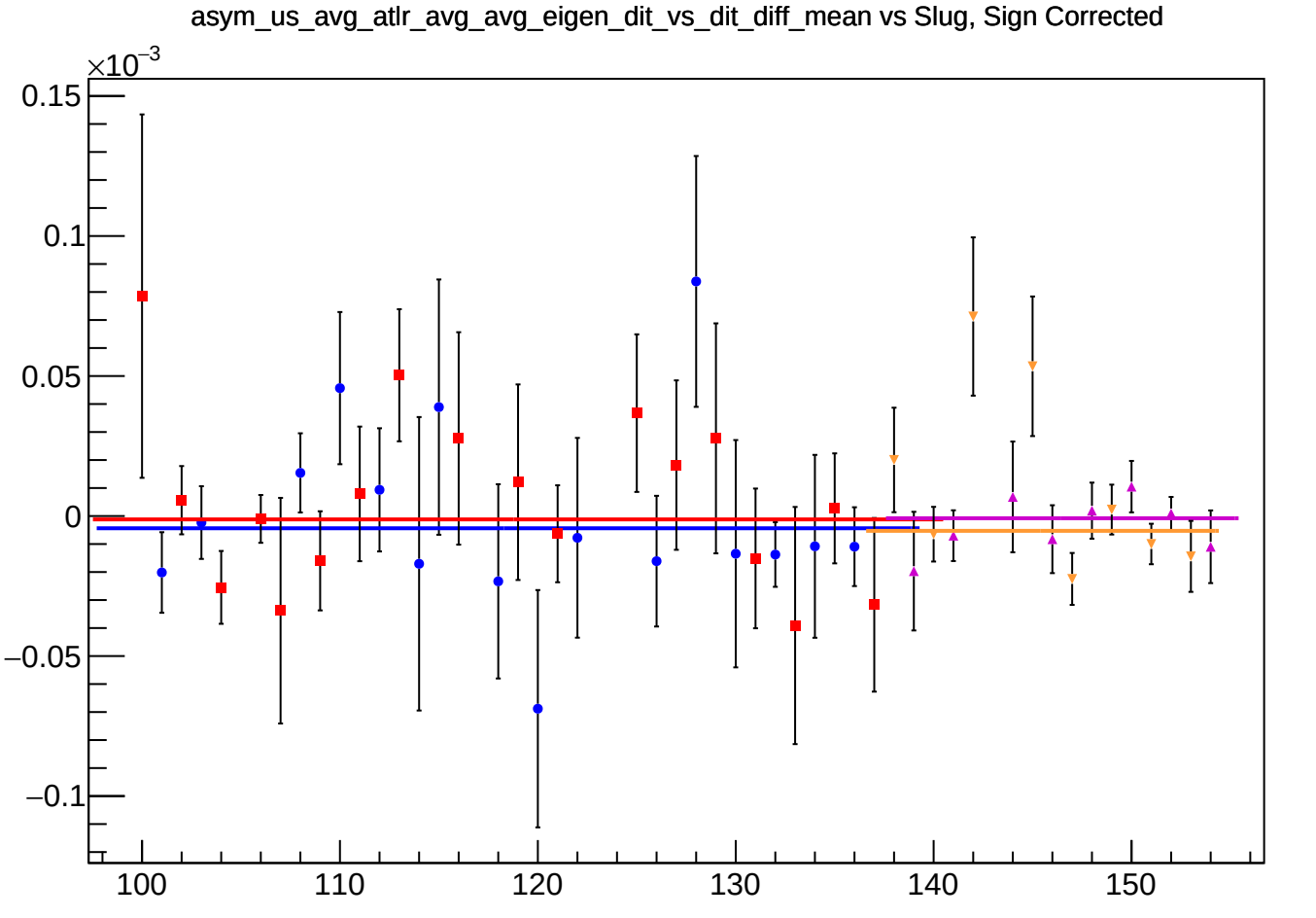
Left: 373.595+/-0.075 χ^2/NDF: 669845.6/15

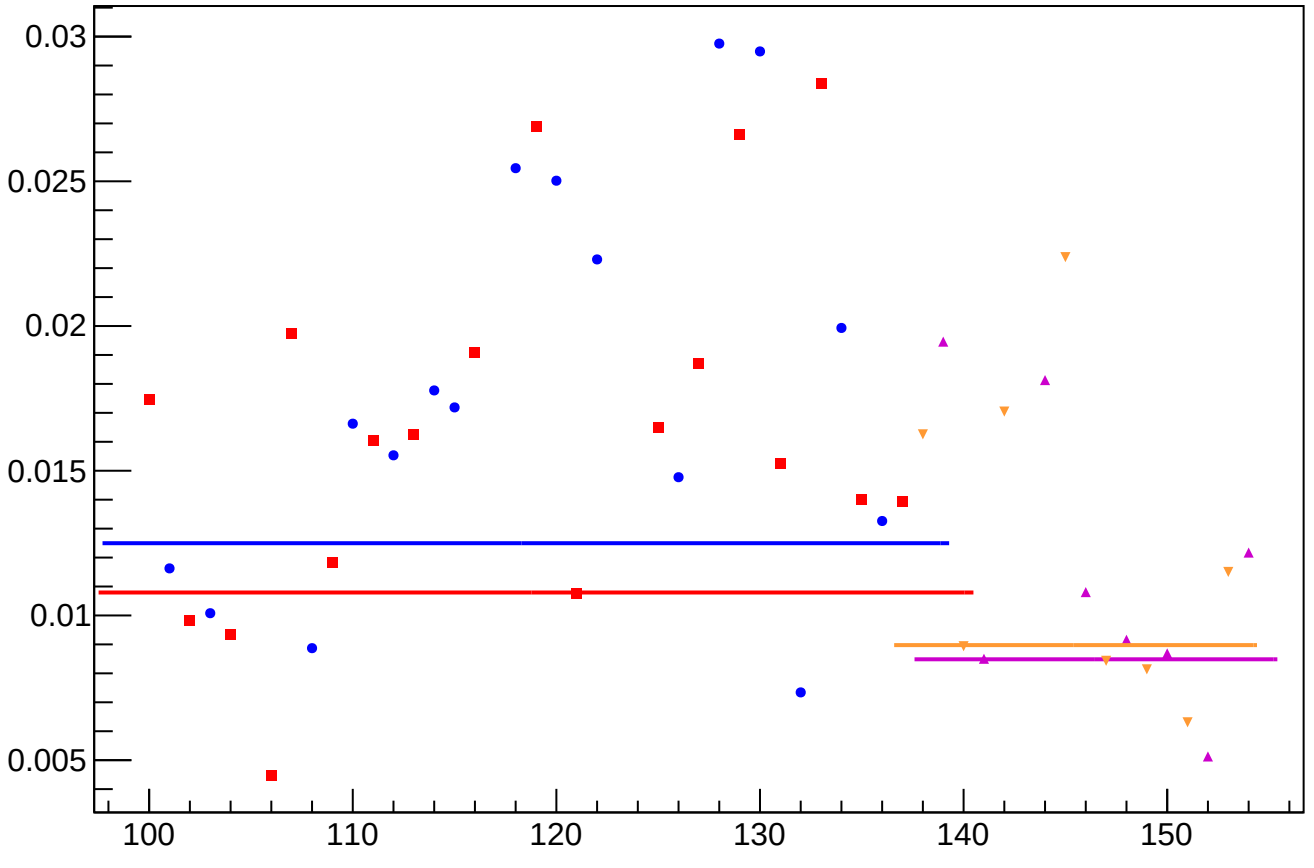
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 262.541+/-0.053 χ^2/NDF:2780212.4/23

Out: 250.999+/-0.054 χ^2/NDF:3753756.5/25

All: 256.899+/-0.038 χ^2/NDF: 6557129.1/49


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:4.1/7
Left: -0.000+/-0.000 χ²/NDF: 24.7/15
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:20.1/23
Out: -0.000+/-0.000 χ²/NDF:37.5/25
All: -0.000+/-0.000 χ²/NDF: 57.8/49



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:1904097.5/7

Left: 0.009+/-0.000 χ^2/NDF: 3343810.0/15

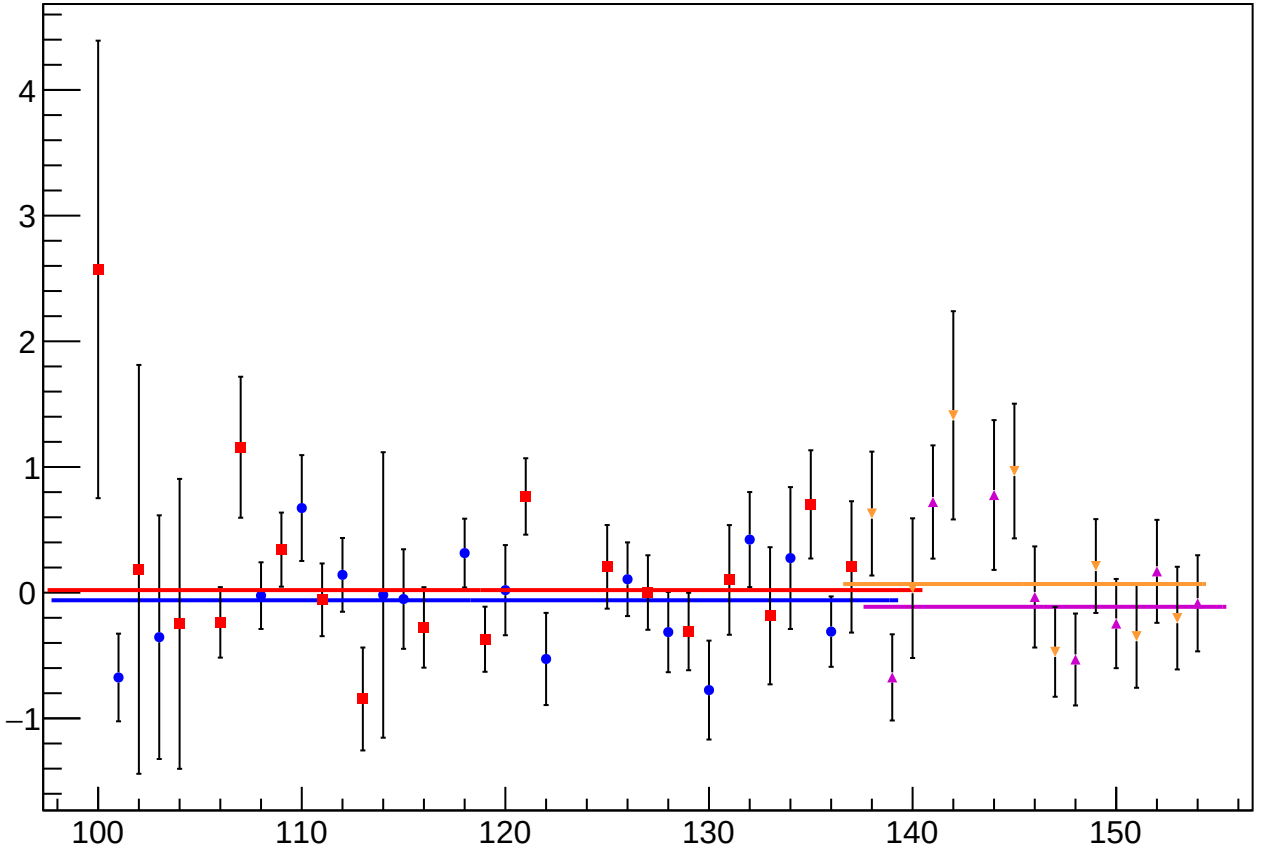
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:4858483.9/23

Out: 0.010+/-0.000 χ^2/NDF:4592547.3/25

All: 0.010+/-0.000 χ^2/NDF: 9451344.0/49

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: -0.112+/-0.141 χ^2/NDF:10.3/7

Left: -0.033+/-0.105 χ^2/NDF: 21.7/15

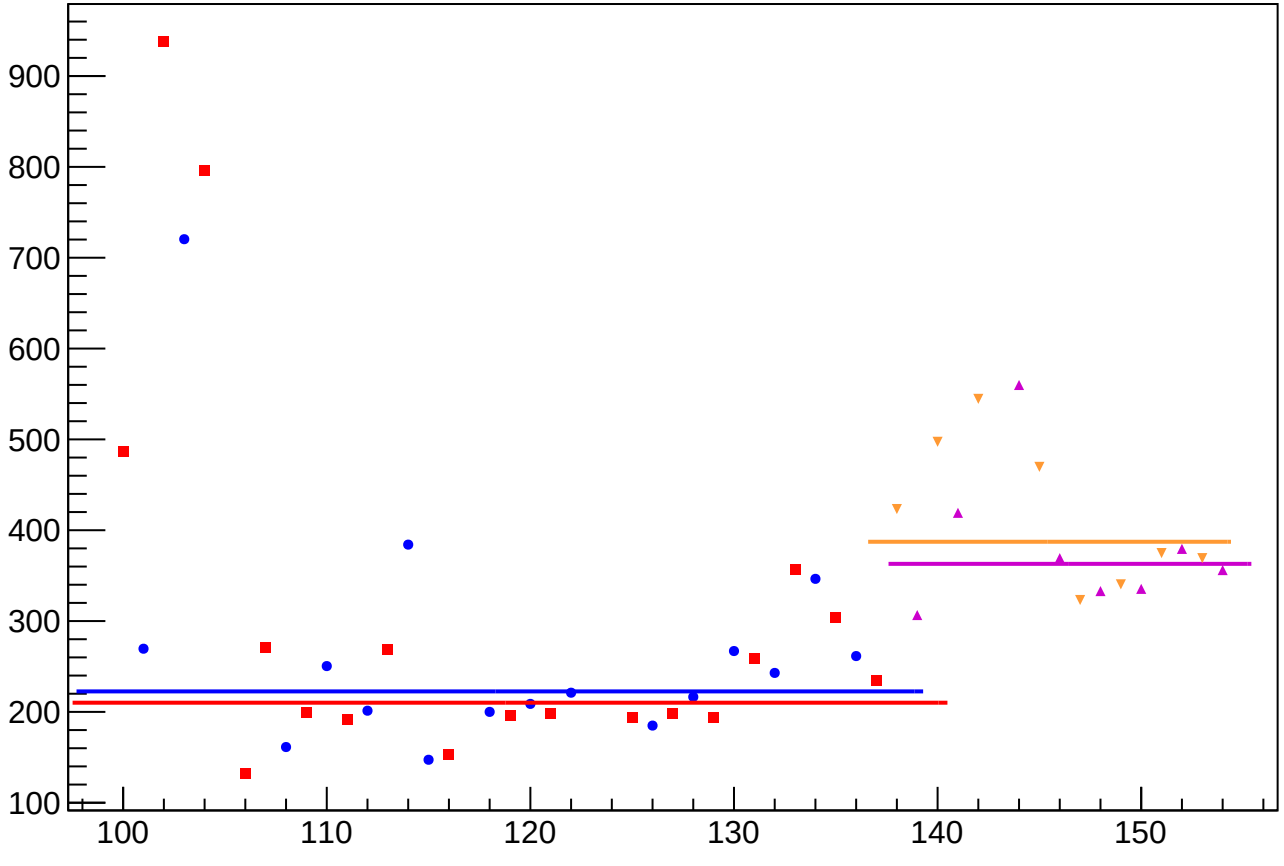
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.075 χ^2/NDF:27.7/23

Out: 0.032+/-0.077 χ^2/NDF:36.8/25

All: -0.023+/-0.054 χ^2/NDF: 65.5/49

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 387.305+/-0.113 χ^2/NDF:310289.0/7

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 362.981+/-0.099 χ^2/NDF:333388.7/7

Left: 373.600+/-0.075 χ^2/NDF: 669833.0/15

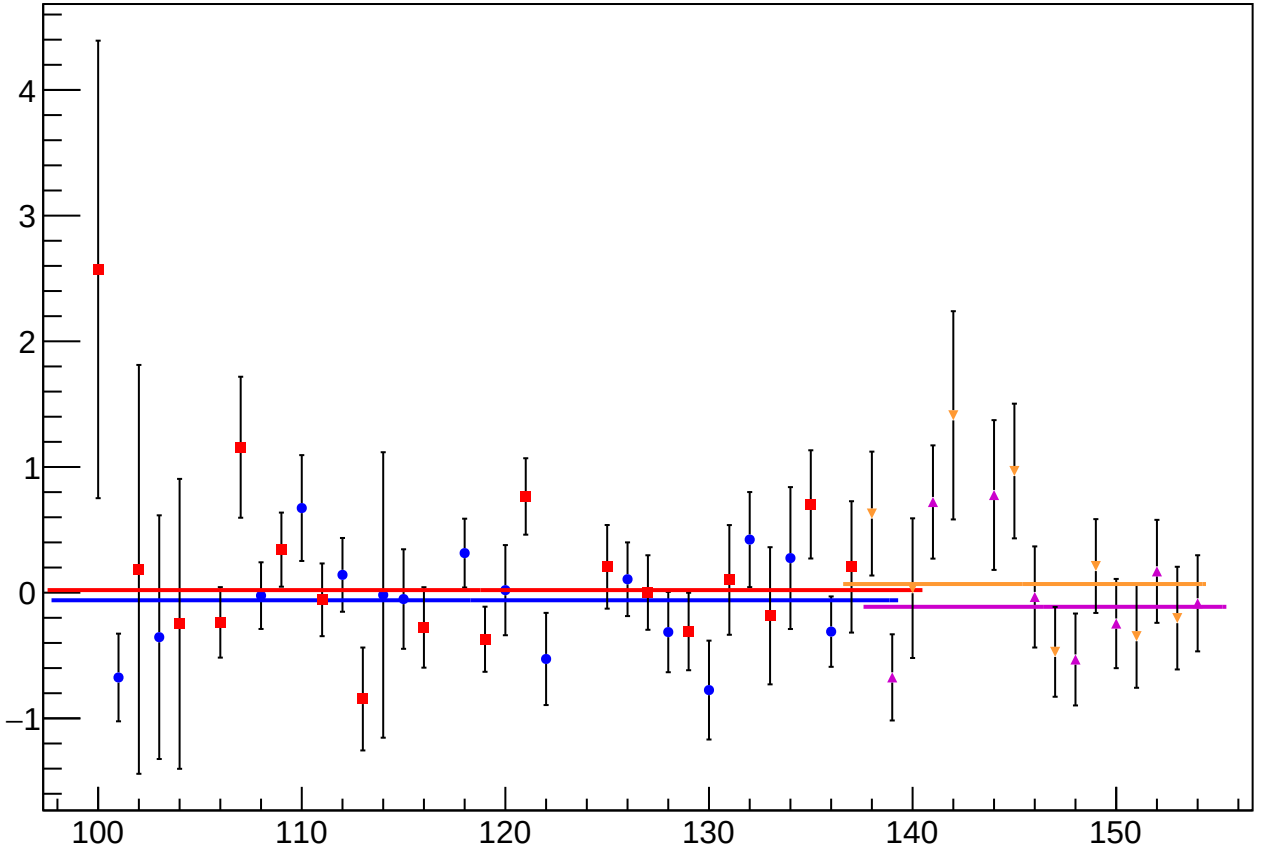
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 262.540+/-0.053 χ^2/NDF:2780309.3/23

Out: 250.997+/-0.054 χ^2/NDF:3753865.3/25

All: 256.898+/-0.038 χ^2/NDF: 6557340.7/49

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: -0.112+/-0.141 χ^2/NDF:10.3/7

Left: -0.033+/-0.105 χ^2/NDF: 21.7/15

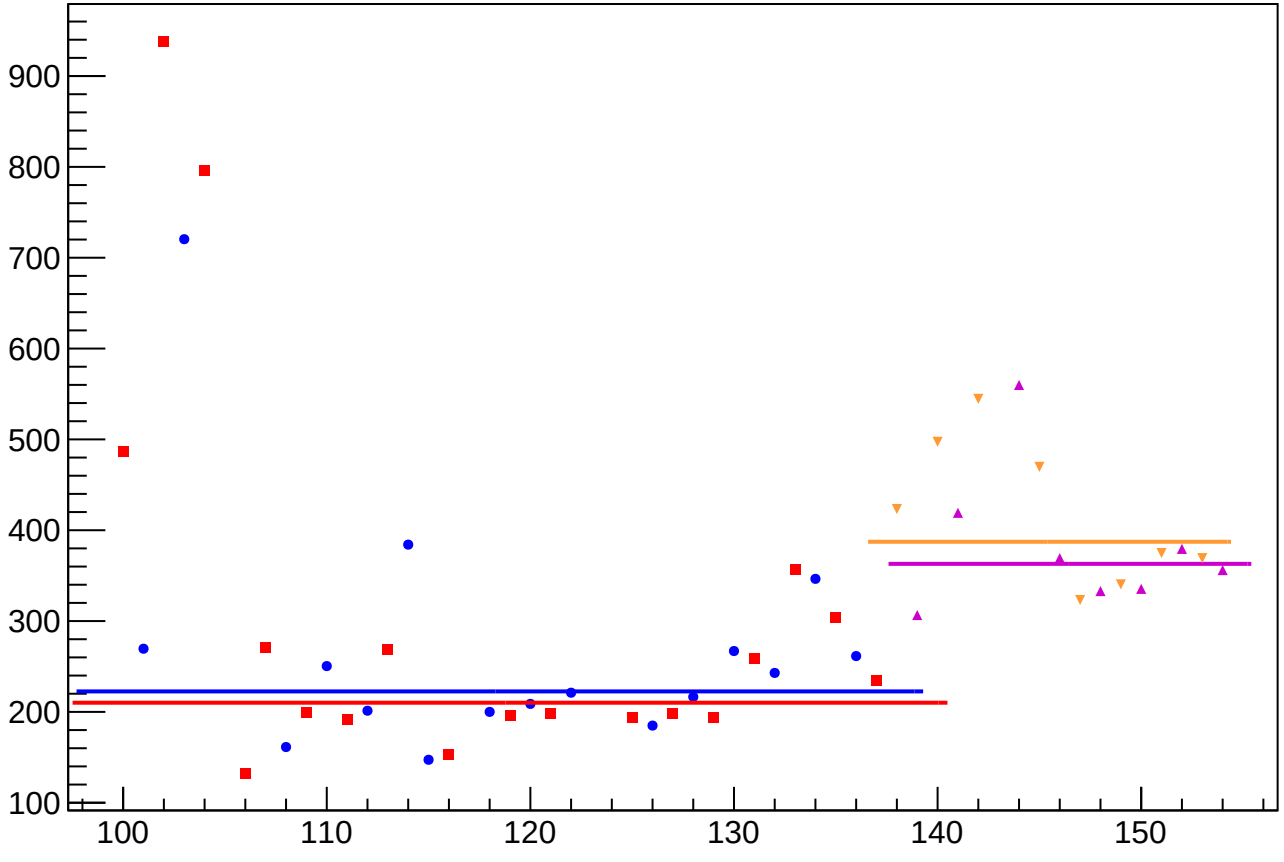
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.075 χ^2/NDF:27.7/23

Out: 0.032+/-0.077 χ^2/NDF:36.8/25

All: -0.023+/-0.054 χ^2/NDF: 65.5/49

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: 362.981+/-0.099 χ^2/NDF:333388.7/7

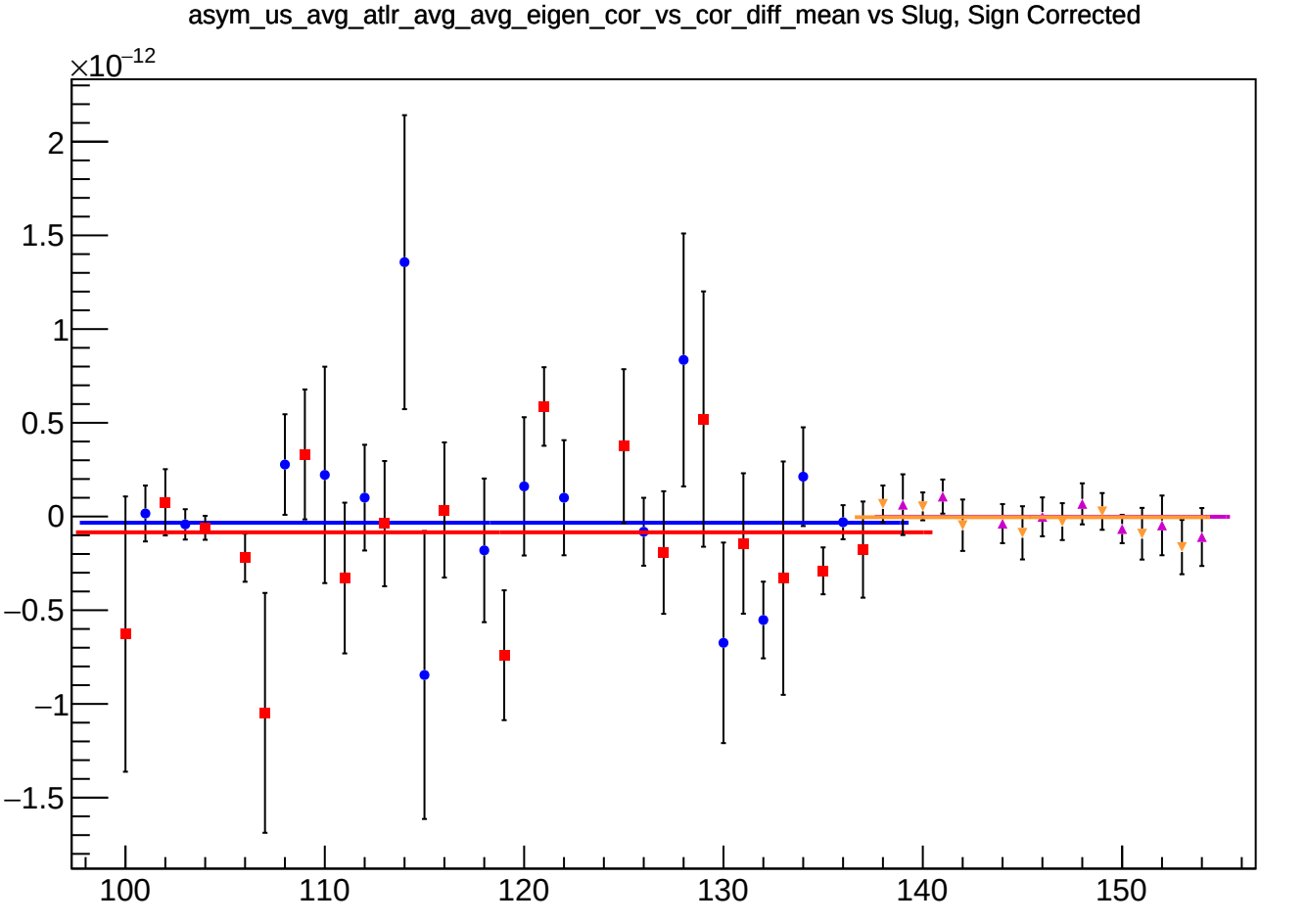
Left: 373.600+/-0.075 χ^2/NDF: 669833.0/15

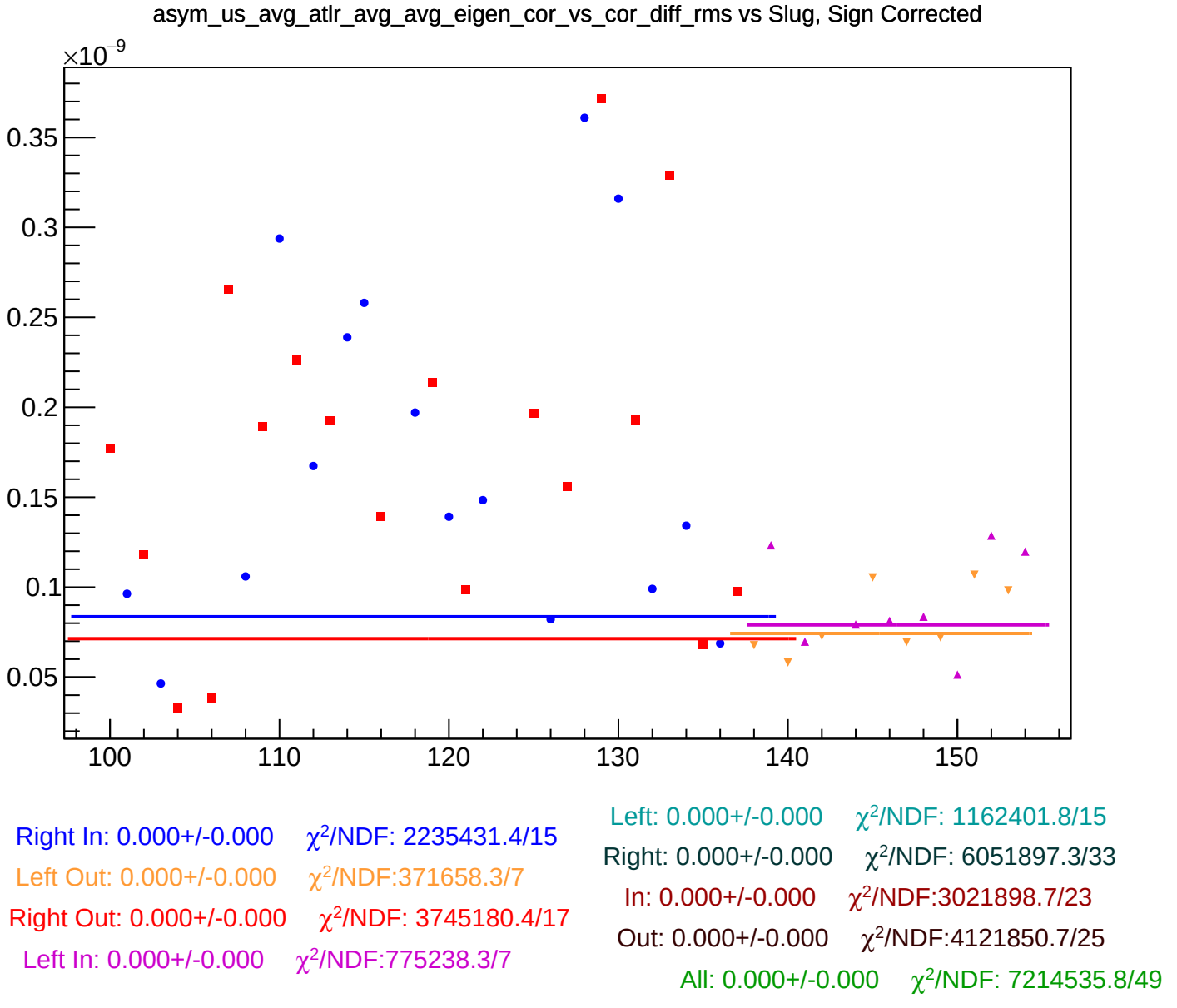
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

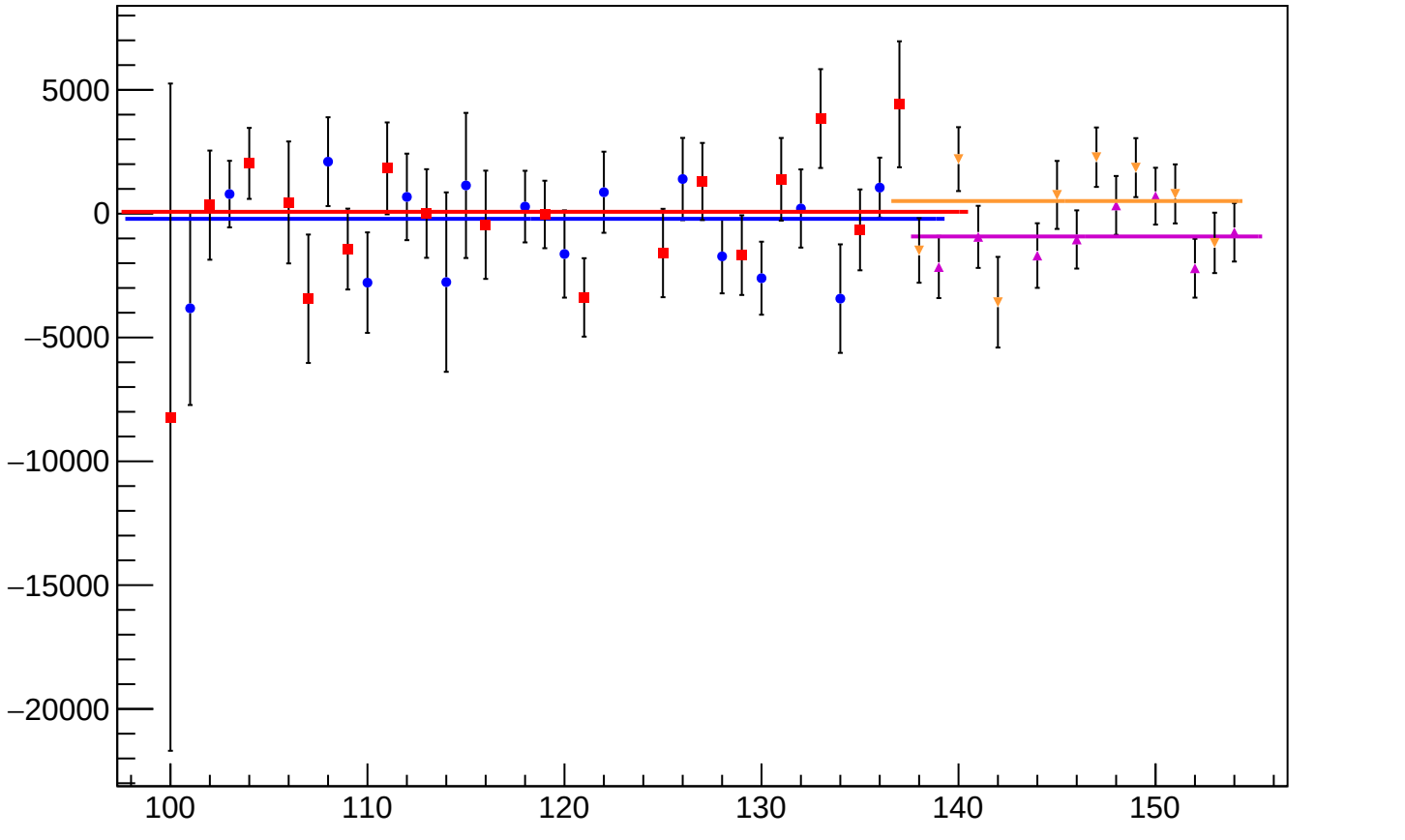
In: 262.540+/-0.053 χ^2/NDF:2780309.3/23

Out: 250.997+/-0.054 χ^2/NDF:3753865.3/25

All: 256.898+/-0.038 χ^2/NDF: 6557340.7/49


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:3.4/7
Left: -0.000+/-0.000 χ²/NDF: 6.7/15
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:20.9/23
Out: -0.000+/-0.000 χ²/NDF:31.1/25
All: -0.000+/-0.000 χ²/NDF: 52.3/49


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:775238.3/7
Left: 0.000+/-0.000 χ²/NDF: 1162401.8/15
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3021898.7/23
Out: 0.000+/-0.000 χ²/NDF:4121850.7/25
All: 0.000+/-0.000 χ²/NDF: 7214535.8/49



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: -920.230+/-427.363 χ^2/NDF:5.6/7

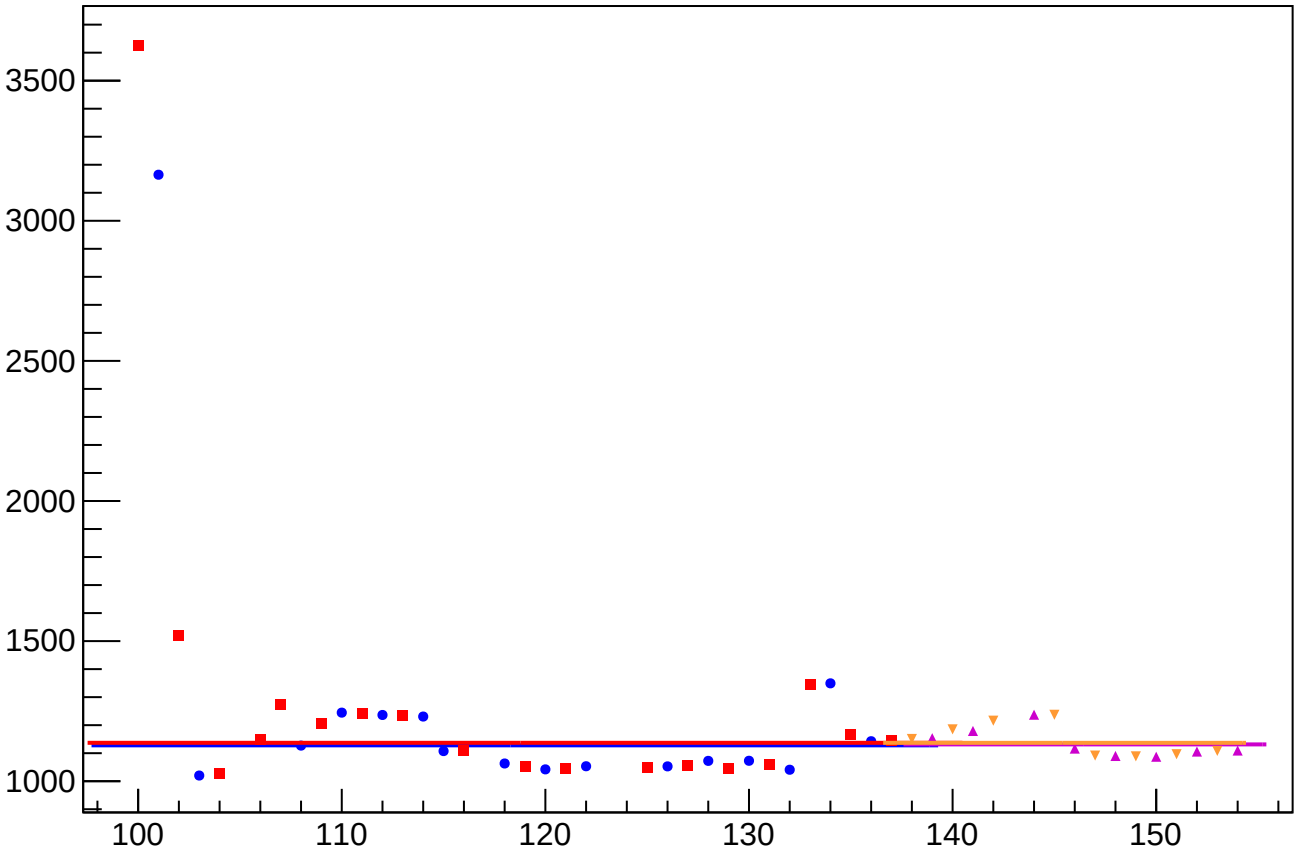
Left: -252.320+/-312.056 χ^2/NDF: 25.4/15

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -565.774+/-302.823 χ^2/NDF:21.8/23

Out: 280.359+/-313.372 χ^2/NDF:35.7/25

All: -157.188+/-217.762 χ^2/NDF: 61.2/49



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: 1131.335+/-0.302 χ^2/NDF:24044.7/7

Left: 1133.962+/-0.221 χ^2/NDF: 51167.1/15

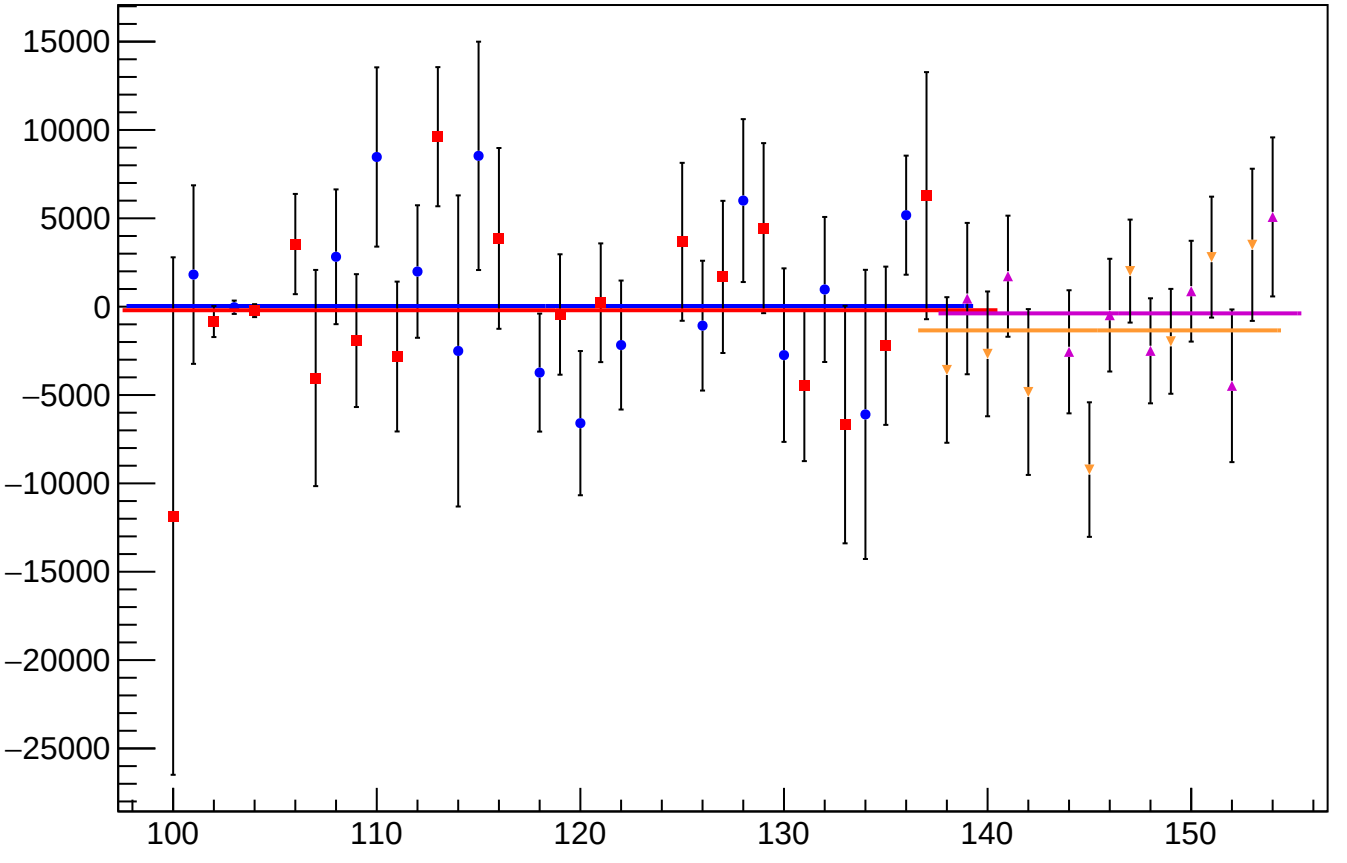
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1129.678+/-0.214 χ^2/NDF:645499.6/23

Out: 1137.004+/-0.221 χ^2/NDF:247046.7/25

All: 1133.219+/-0.154 χ^2/NDF: 893112.1/49

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -1342.137+/-1265.743 χ^2/NDF:9.4/7

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -378.854+/-1231.461 χ^2/NDF:3.9/7

Left: -847.274+/-882.645 χ^2/NDF: 13.5/15

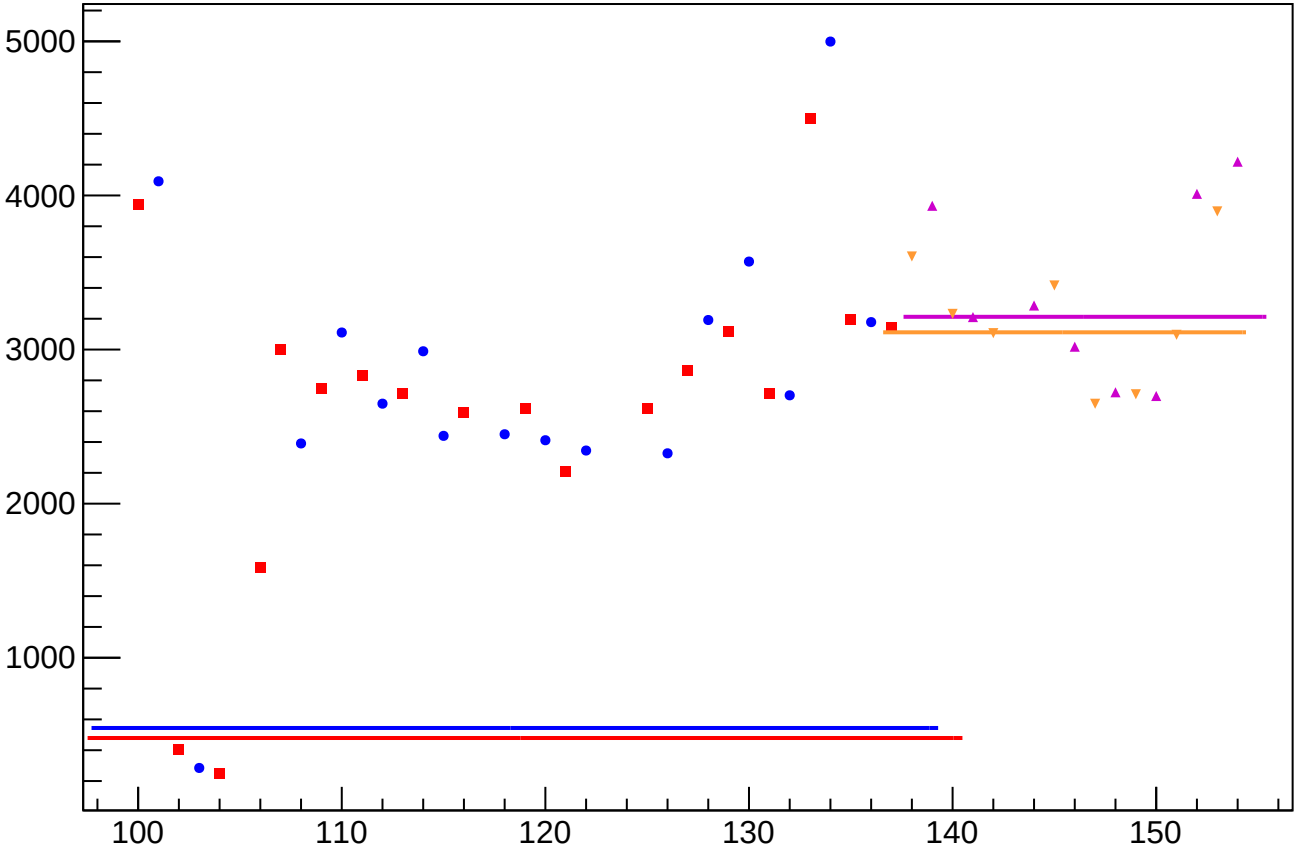
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 5.851+/-343.459 χ^2/NDF:18.8/23

Out: -271.186+/-312.556 χ^2/NDF:25.8/25

All: -145.689+/-231.166 χ^2/NDF: 44.9/49

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: 3212.553+/-0.871 χ^2/NDF:352411.9/7

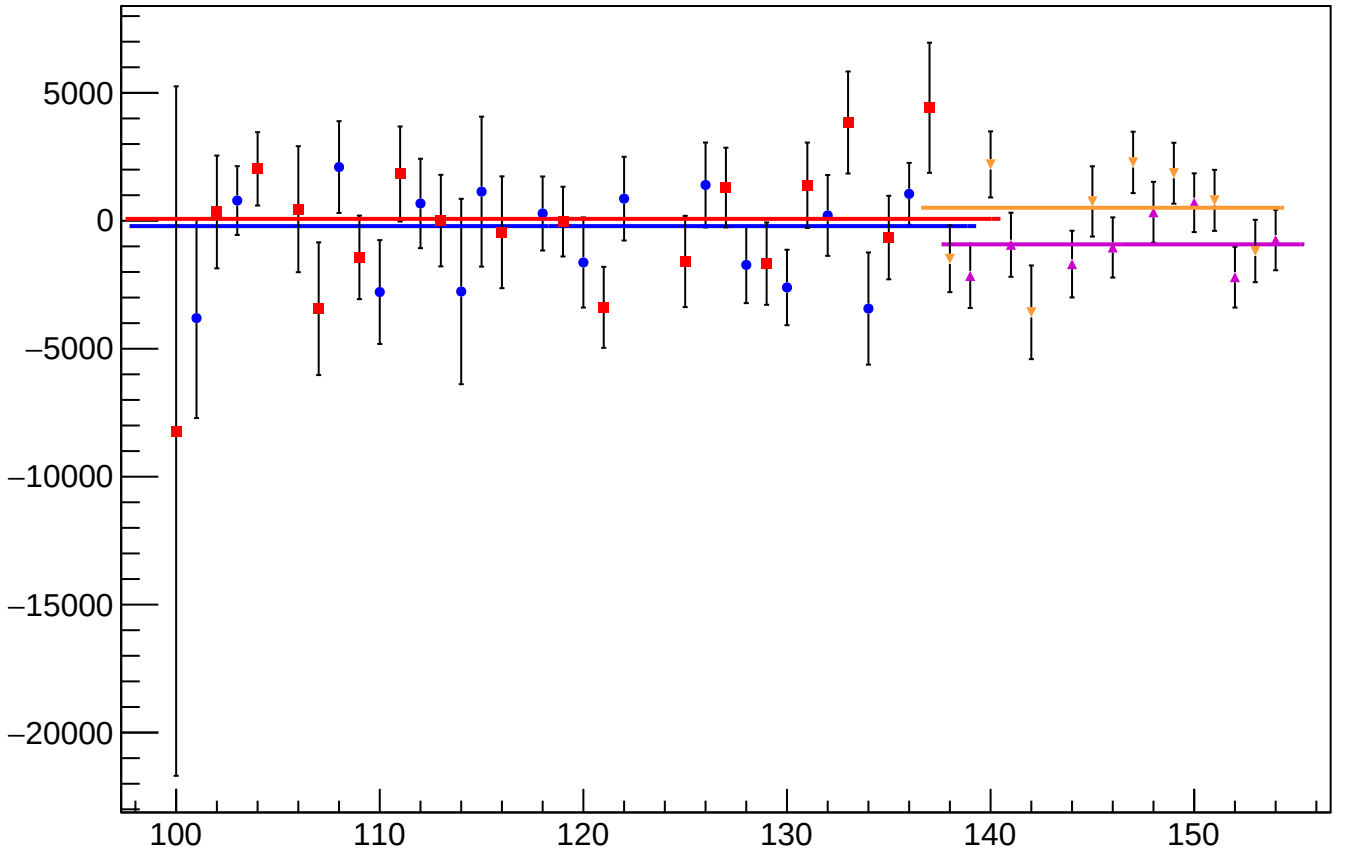
Left: 3163.608+/-0.624 χ^2/NDF: 556337.2/15

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 751.890+/-0.243 χ^2/NDF:18694273.9/23

Out: 639.783+/-0.221 χ^2/NDF:17509988.8/25

All: 690.567+/-0.163 χ^2/NDF: 36320816.9/49



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: -920.306+/-427.363 χ^2/NDF:5.6/7

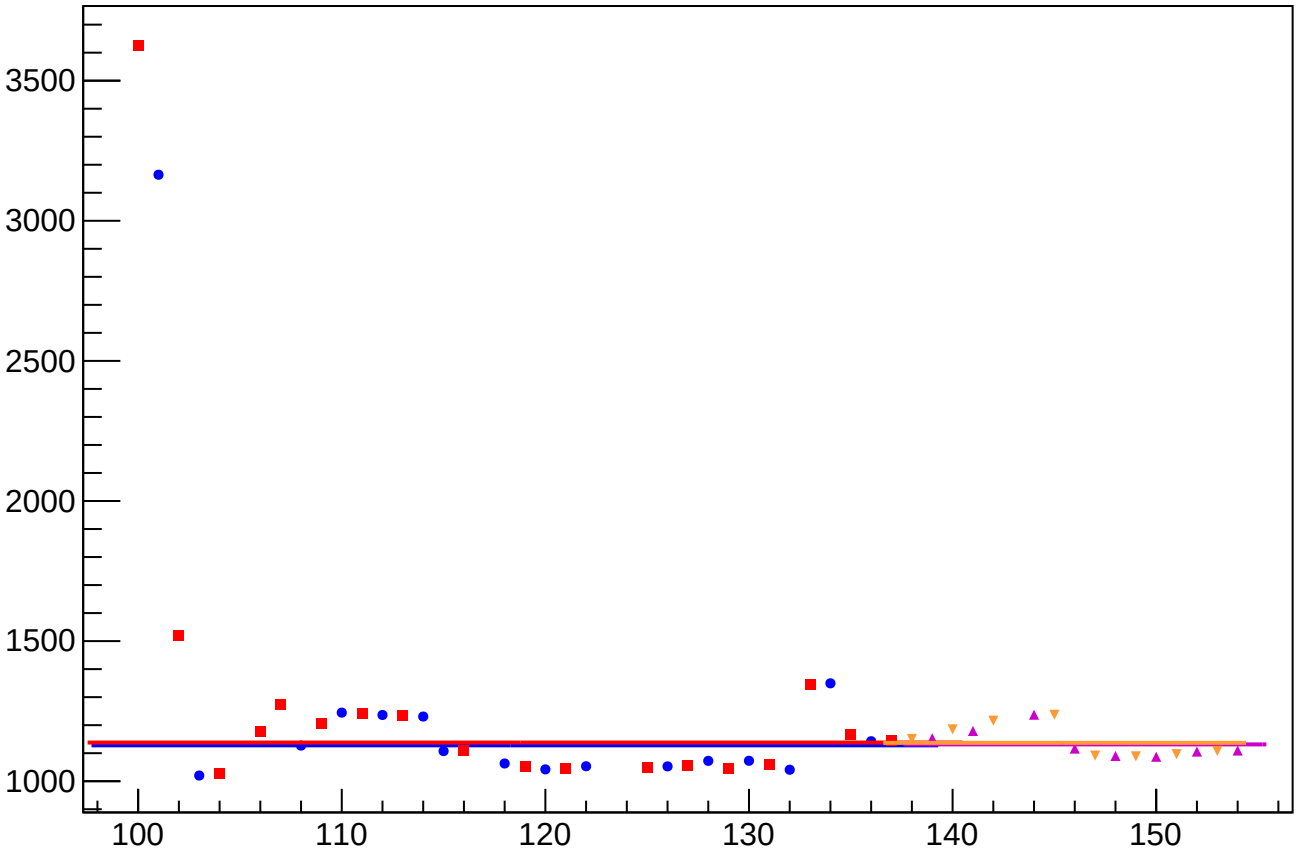
Left: -252.329+/-312.056 χ^2/NDF: 25.4/15

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -565.698+/-302.823 χ^2/NDF:21.8/23

Out: 280.468+/-313.372 χ^2/NDF:35.7/25

All: -157.097+/-217.762 χ^2/NDF: 61.2/49



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: 1131.335+/-0.302 χ^2/NDF:24044.7/7

Left: 1133.962+/-0.221 χ^2/NDF: 51167.1/15

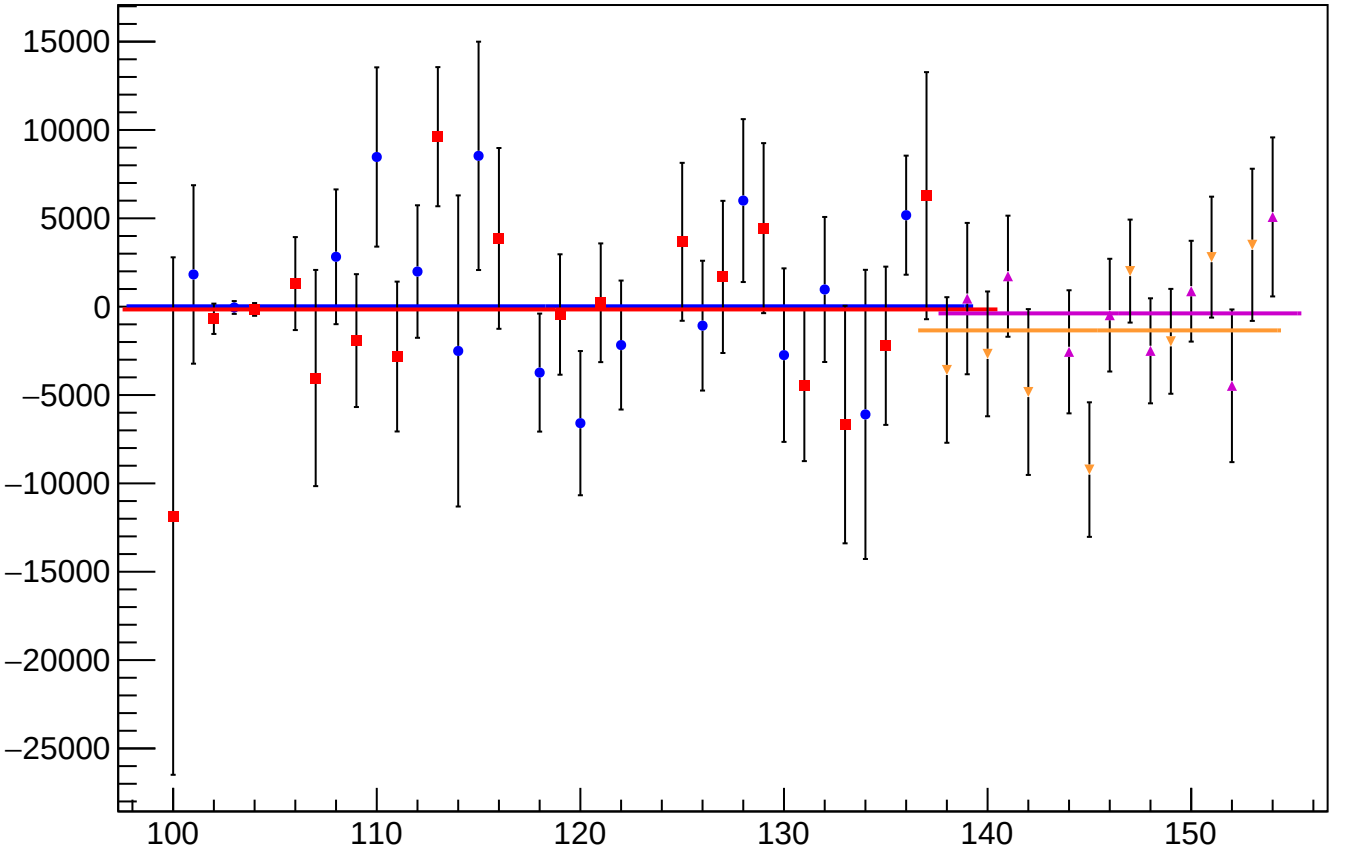
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1129.678+/-0.214 χ^2/NDF:645500.8/23

Out: 1137.512+/-0.222 χ^2/NDF:247590.4/25

All: 1133.462+/-0.154 χ^2/NDF: 893737.7/49

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1342.044+/-1265.741 χ^2/NDF:9.4/7

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -378.838+/-1231.460 χ^2/NDF:3.9/7

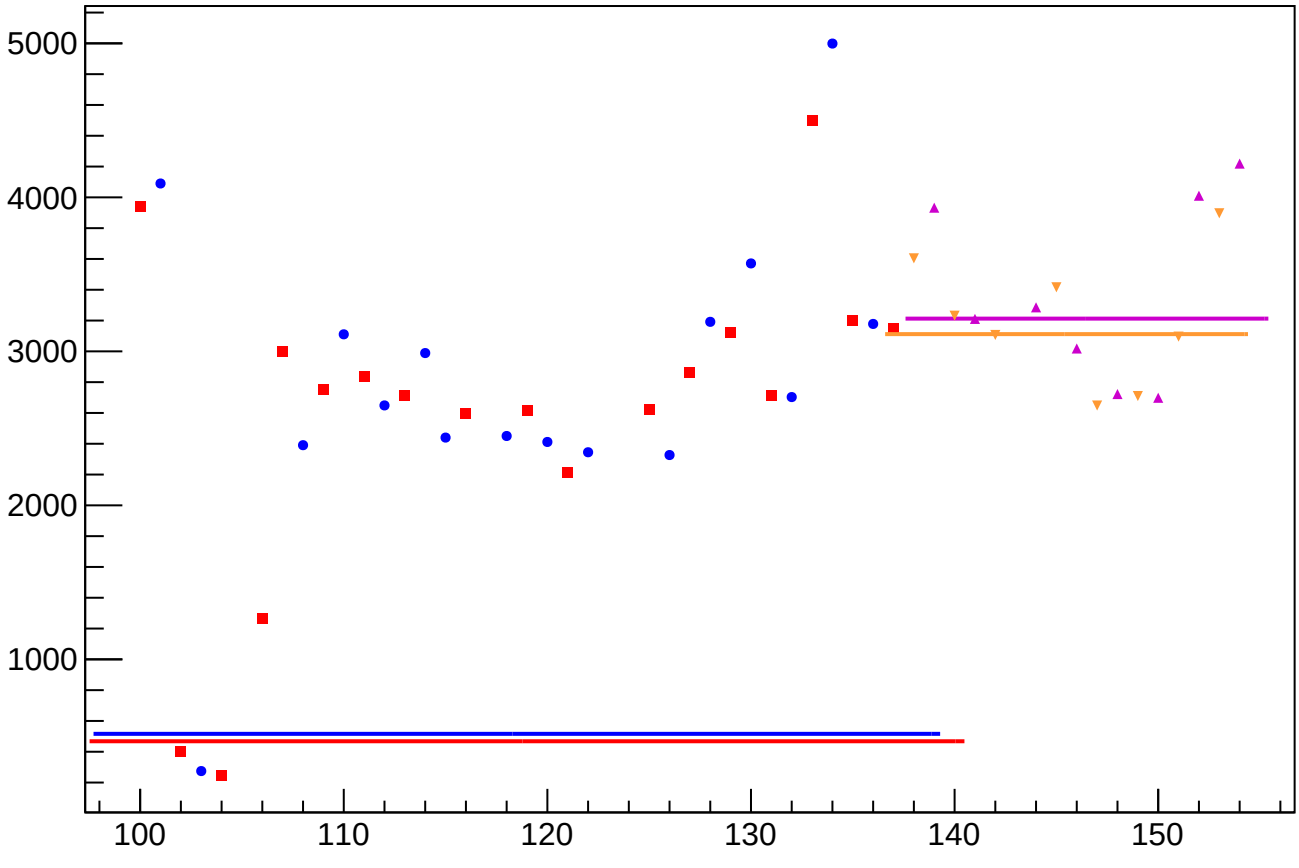
Left: -847.221+/-882.645 χ^2/NDF: 13.5/15

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -7.426+/-331.785 χ^2/NDF:18.8/23

Out: -226.372+/-307.838 χ^2/NDF:24.2/25

All: -125.085+/-225.666 χ^2/NDF: 43.3/49



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: 3212.552+/-0.871 χ^2/NDF:352412.1/7

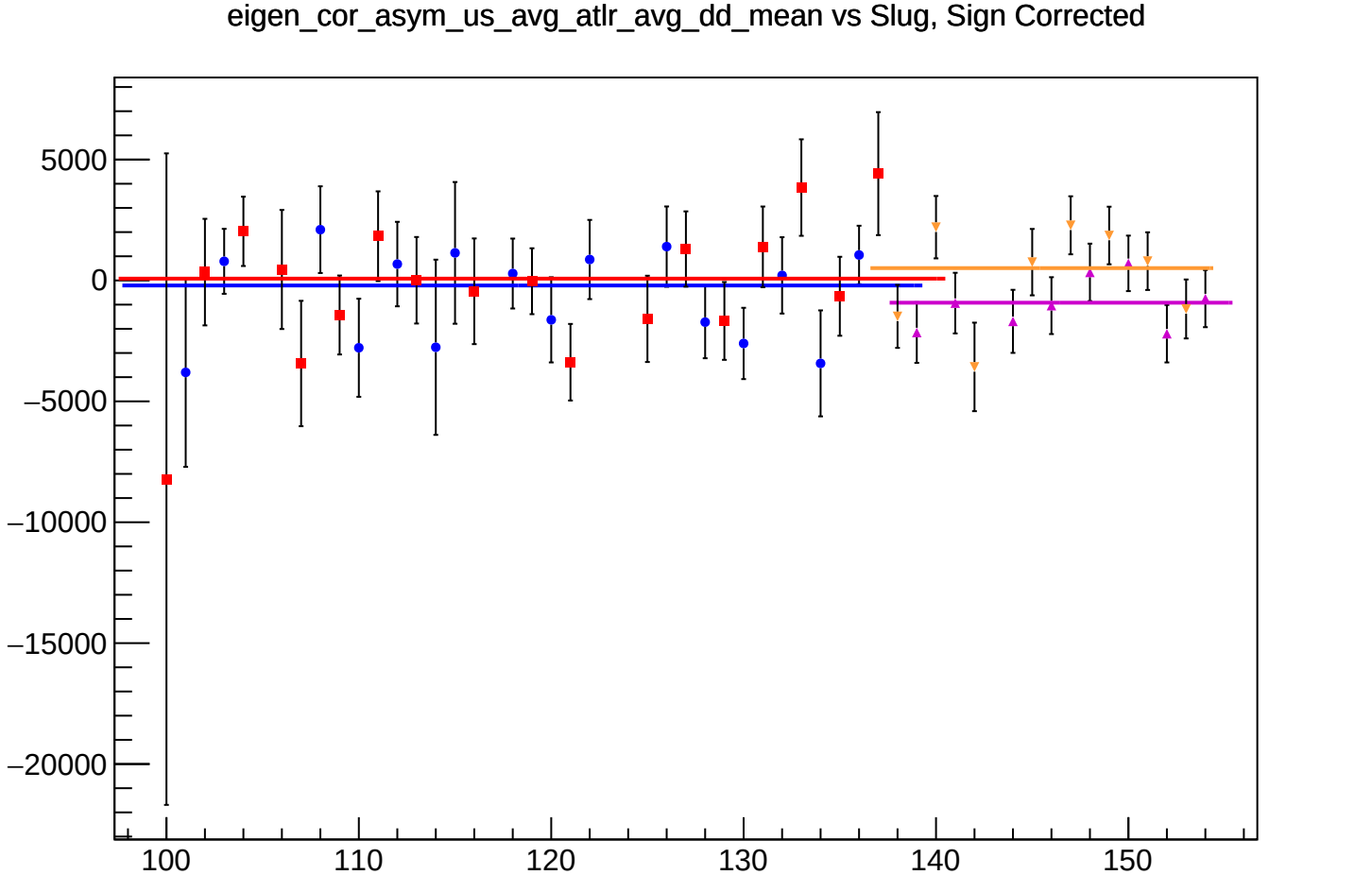
Left: 3163.606+/-0.624 χ^2/NDF: 556336.6/15

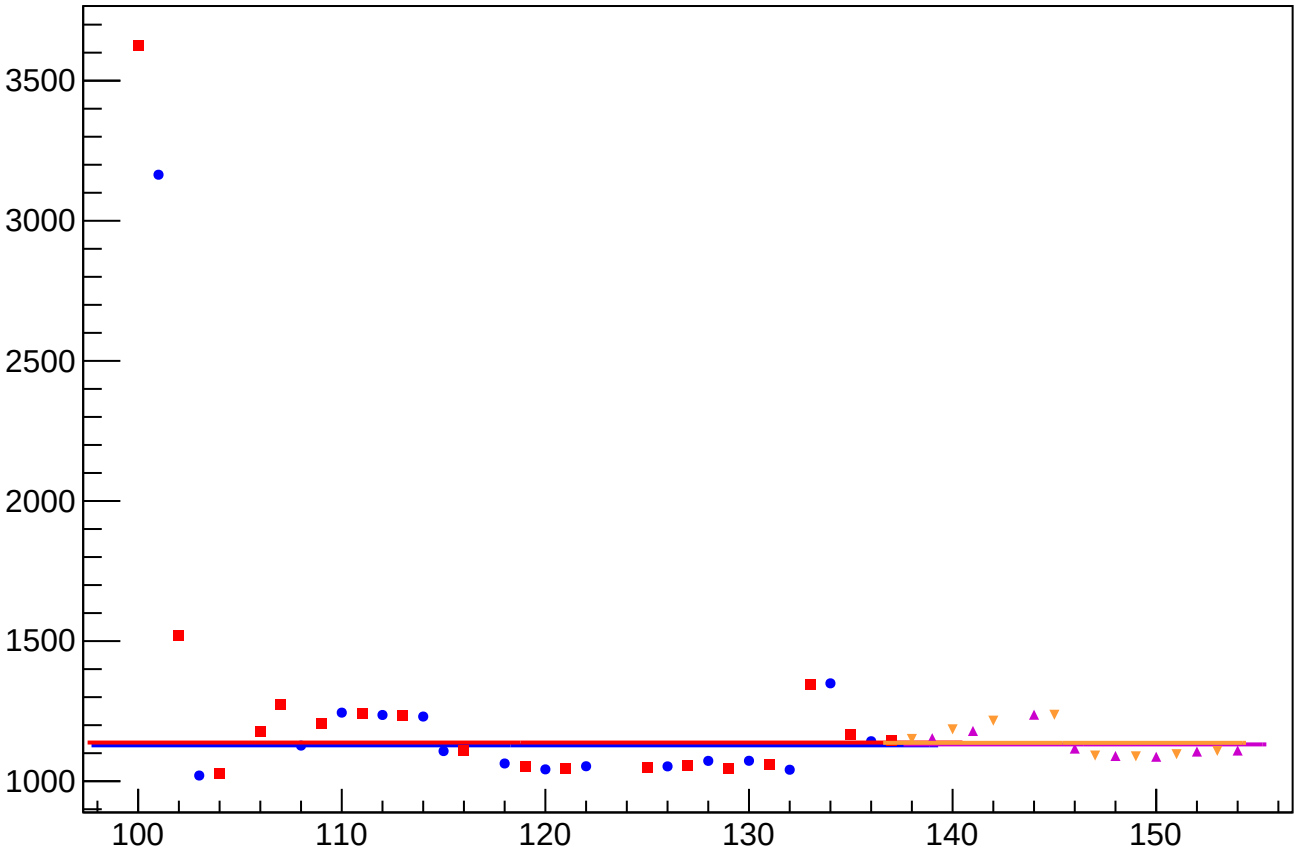
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 712.016+/-0.235 χ^2/NDF:19078751.0/23

Out: 624.443+/-0.218 χ^2/NDF:17518396.5/25

All: 664.955+/-0.160 χ^2/NDF: 36672025.2/49


eigen_cor_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: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 510.600+/-456.728 χ²/NDF:14.5/7
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -920.306+/-427.363 χ²/NDF:5.6/7
Left: -252.329+/-312.056 χ²/NDF: 25.4/15
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -565.698+/-302.823 χ²/NDF:21.8/23
Out: 280.468+/-313.372 χ²/NDF:35.7/25
All: -157.097+/-217.762 χ²/NDF: 61.2/49



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: 1131.335+/-0.302 χ^2/NDF:24044.7/7

Left: 1133.962+/-0.221 χ^2/NDF: 51167.1/15

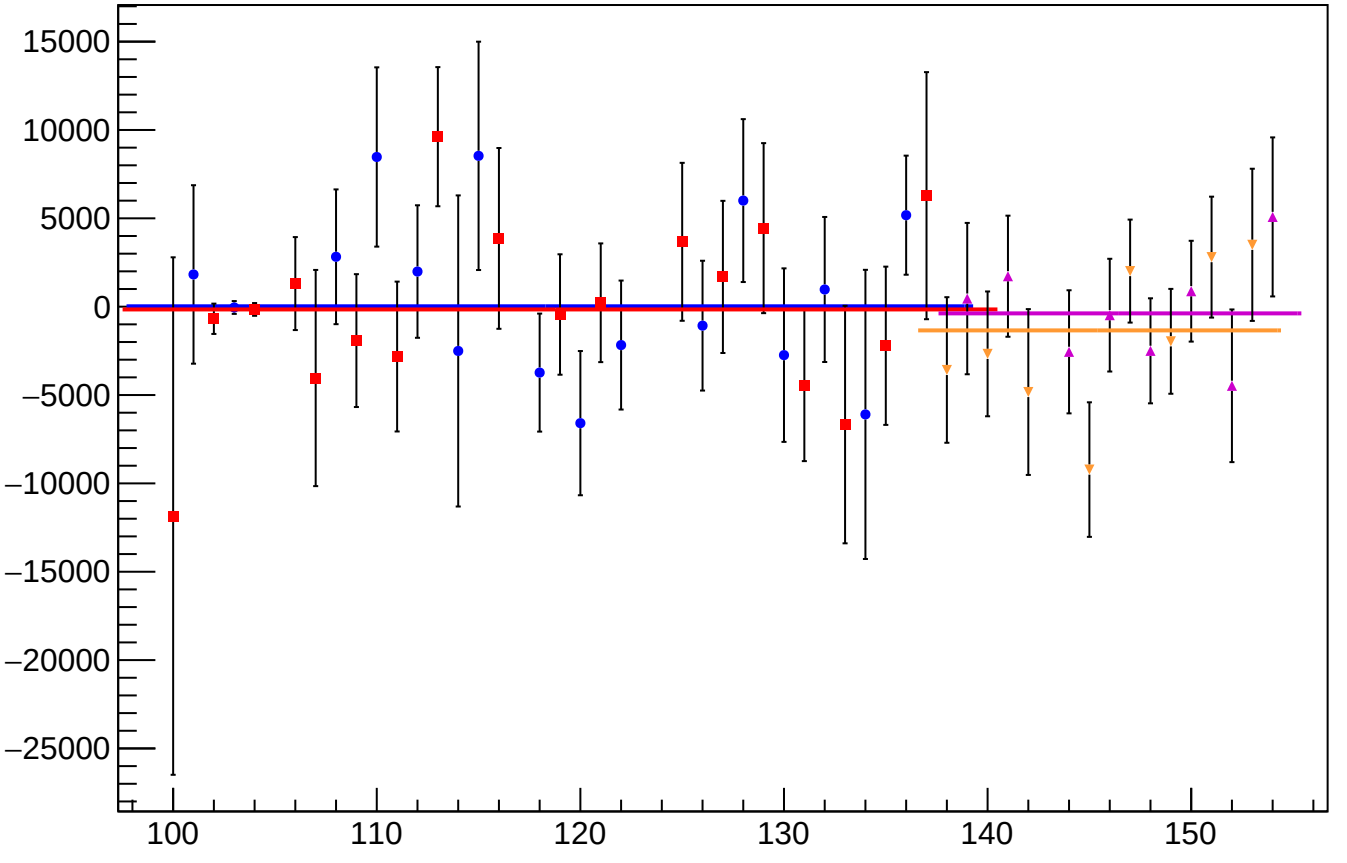
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1129.678+/-0.214 χ^2/NDF:645500.8/23

Out: 1137.512+/-0.222 χ^2/NDF:247590.4/25

All: 1133.462+/-0.154 χ^2/NDF: 893737.7/49

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1342.044+/-1265.741 χ^2/NDF:9.4/7

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -378.838+/-1231.460 χ^2/NDF:3.9/7

Left: -847.221+/-882.645 χ^2/NDF: 13.5/15

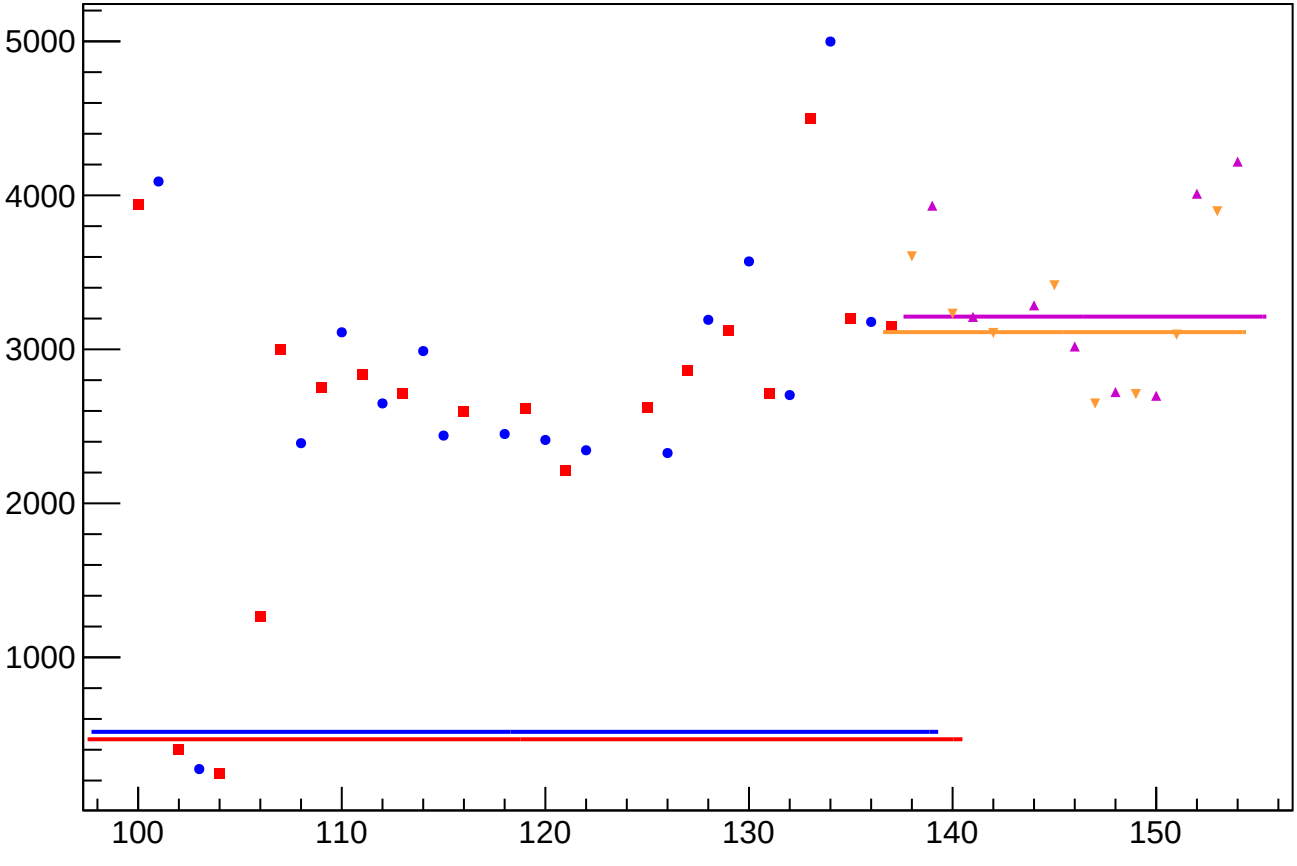
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -7.426+/-331.785 χ^2/NDF:18.8/23

Out: -226.372+/-307.838 χ^2/NDF:24.2/25

All: -125.085+/-225.666 χ^2/NDF: 43.3/49

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: 3212.552+/-0.871 χ^2/NDF:352412.1/7

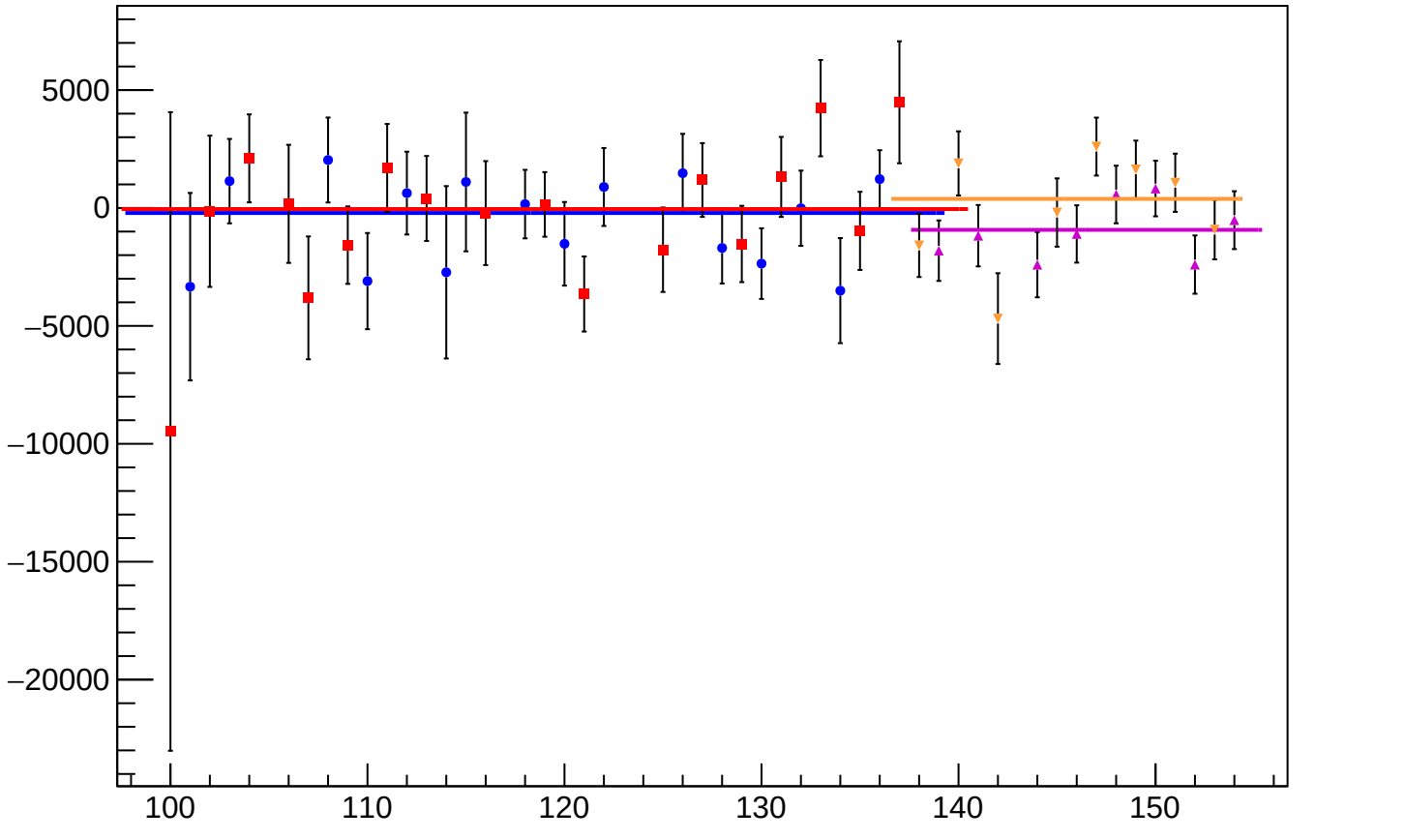
Left: 3163.606+/-0.624 χ^2/NDF: 556336.6/15

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 712.016+/-0.235 χ^2/NDF:19078751.0/23

Out: 624.443+/-0.218 χ^2/NDF:17518396.5/25

All: 664.955+/-0.160 χ^2/NDF: 36672025.2/49



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 386.498+/-473.341 χ^2/NDF:16.2/7

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -927.231+/-442.477 χ^2/NDF:6.9/7

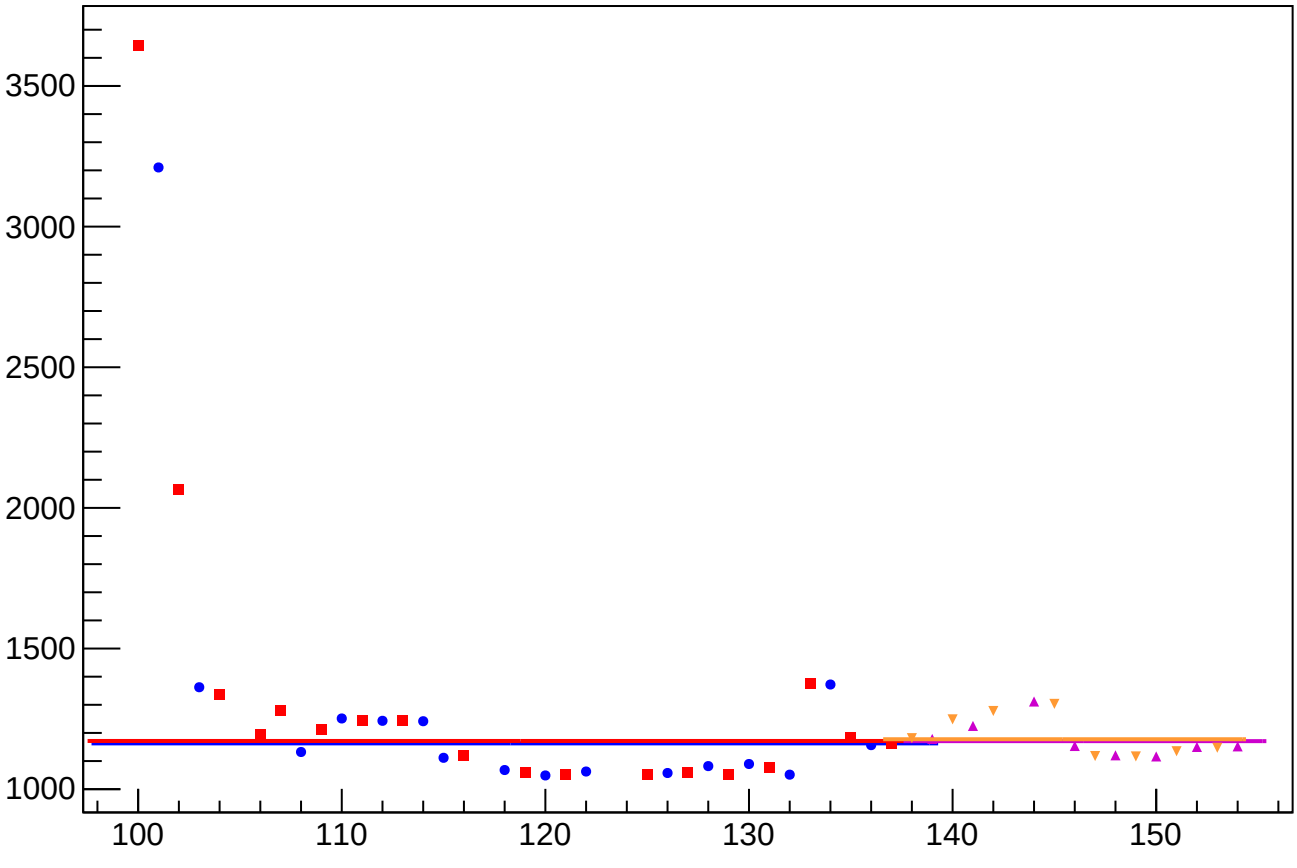
Left: -314.590+/-323.239 χ^2/NDF: 27.2/15

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -570.323+/-312.952 χ^2/NDF:22.6/23

Out: 158.233+/-325.075 χ^2/NDF:38.3/25

All: -219.883+/-225.454 χ^2/NDF: 63.4/49



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: 1170.818+/-0.313 χ^2/NDF:33386.2/7

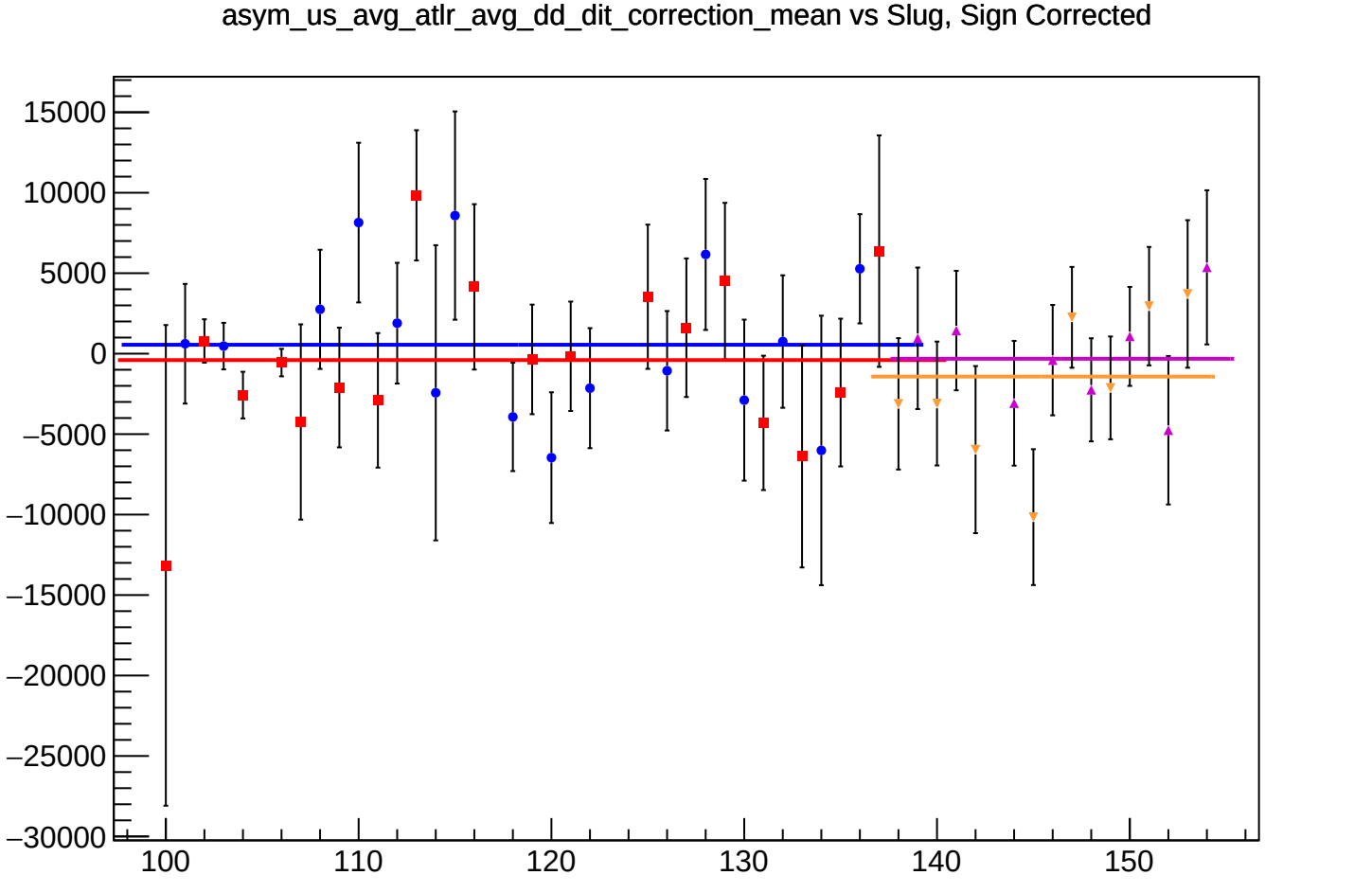
Left: 1173.958+/-0.229 χ^2/NDF: 72810.2/15

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1166.837+/-0.221 χ^2/NDF:669063.7/23

Out: 1174.310+/-0.230 χ^2/NDF:371026.2/25

All: 1170.432+/-0.159 χ^2/NDF: 1040638.6/49



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -1423.845+/-1358.133 χ^2/NDF:9.5/7

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -318.625+/-1324.995 χ^2/NDF:3.7/7

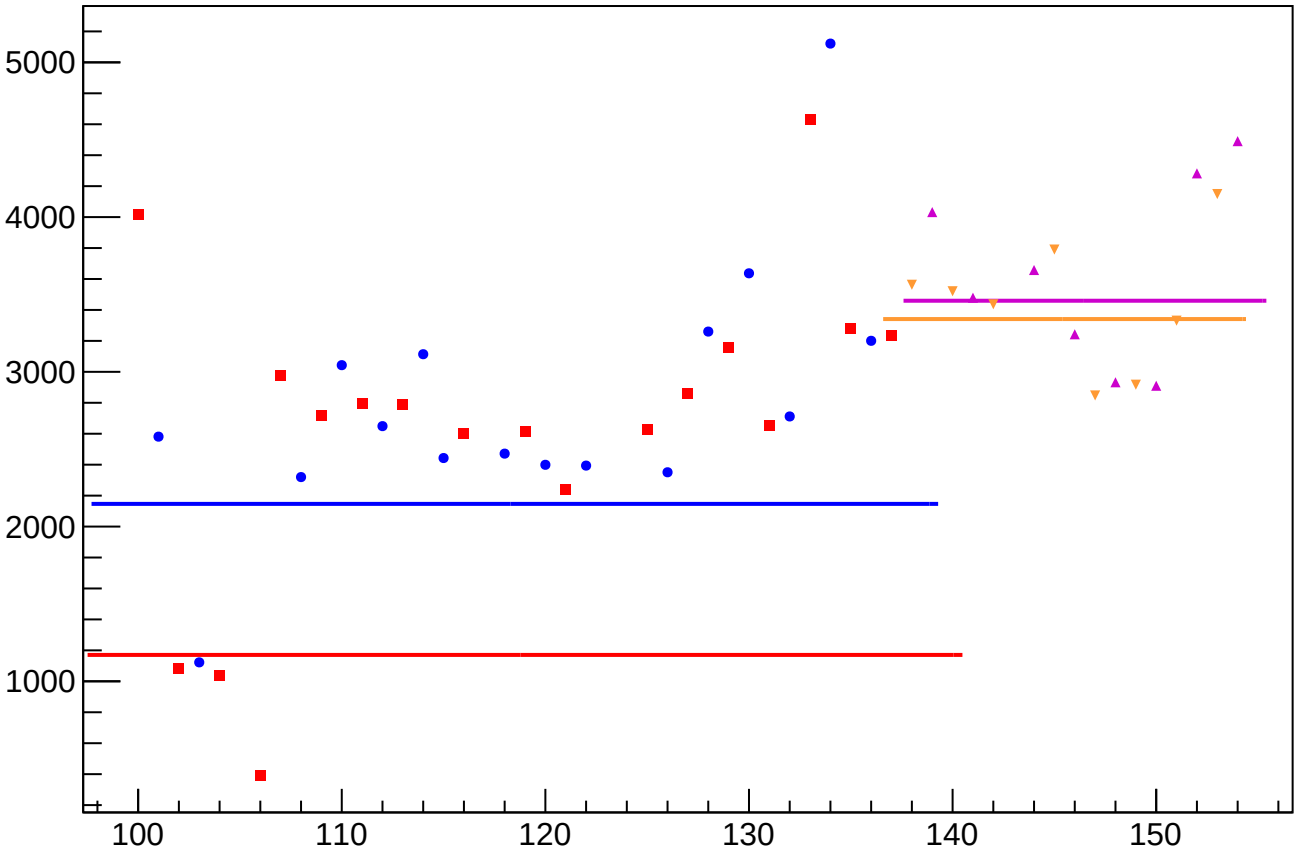
Left: -857.587+/-948.412 χ^2/NDF: 13.6/15

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 288.344+/-729.649 χ^2/NDF:18.4/23

Out: -551.816+/-522.345 χ^2/NDF:26.7/25

All: -267.137+/-424.728 χ^2/NDF: 45.9/49



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: 3459.515+/-0.937 χ^2/NDF:321603.8/7

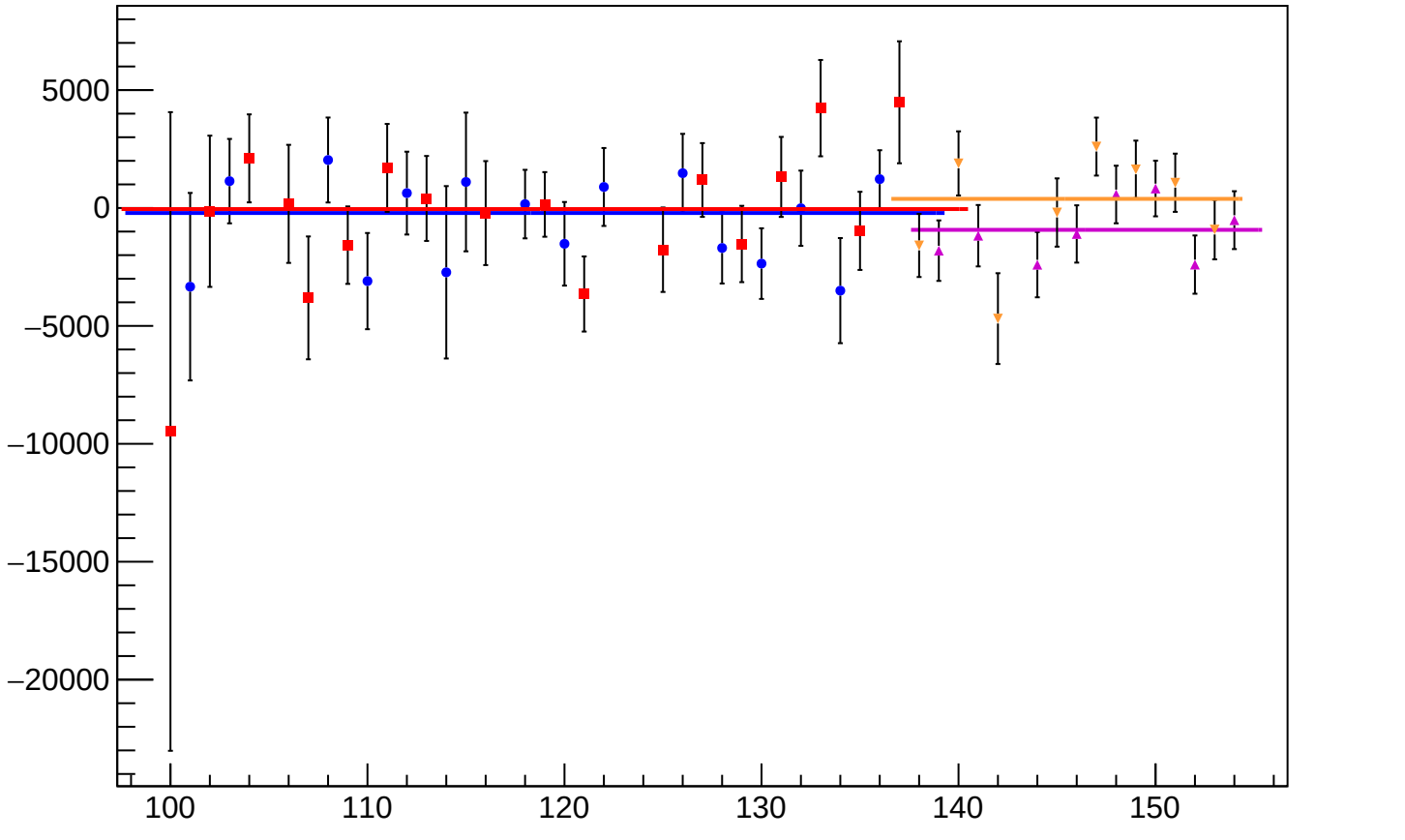
Left: 3401.751+/-0.671 χ^2/NDF: 510065.8/15

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2544.751+/-0.516 χ^2/NDF:3664503.7/23

Out: 1491.634+/-0.369 χ^2/NDF:10350662.3/25

All: 1848.472+/-0.300 χ^2/NDF: 16769791.8/4



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: -927.228+/-442.477 χ^2/NDF:6.9/7

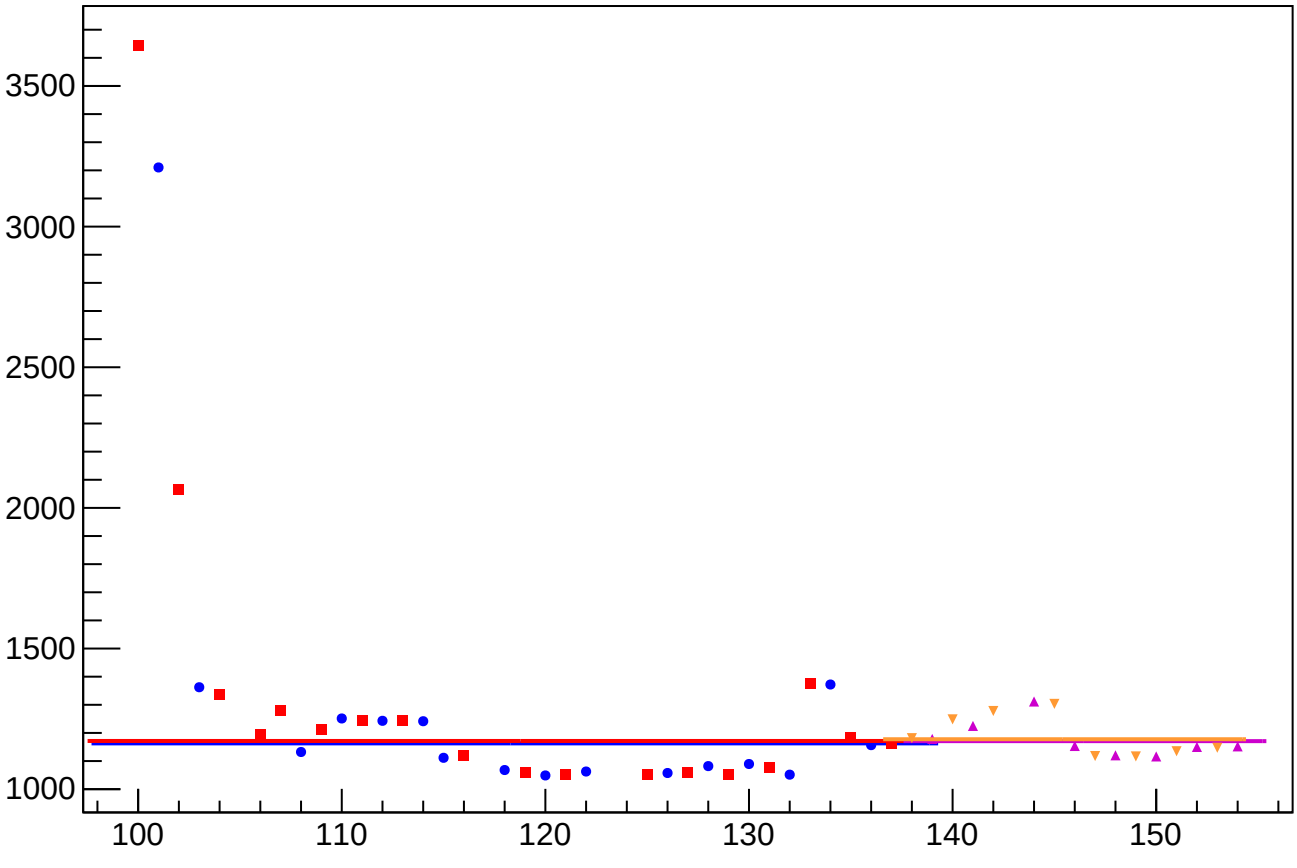
Left: -314.591+/-323.239 χ^2/NDF: 27.2/15

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -570.322+/-312.952 χ^2/NDF:22.6/23

Out: 158.228+/-325.075 χ^2/NDF:38.3/25

All: -219.885+/-225.454 χ^2/NDF: 63.4/49



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: 1170.819+/-0.313 χ^2/NDF:33386.4/7

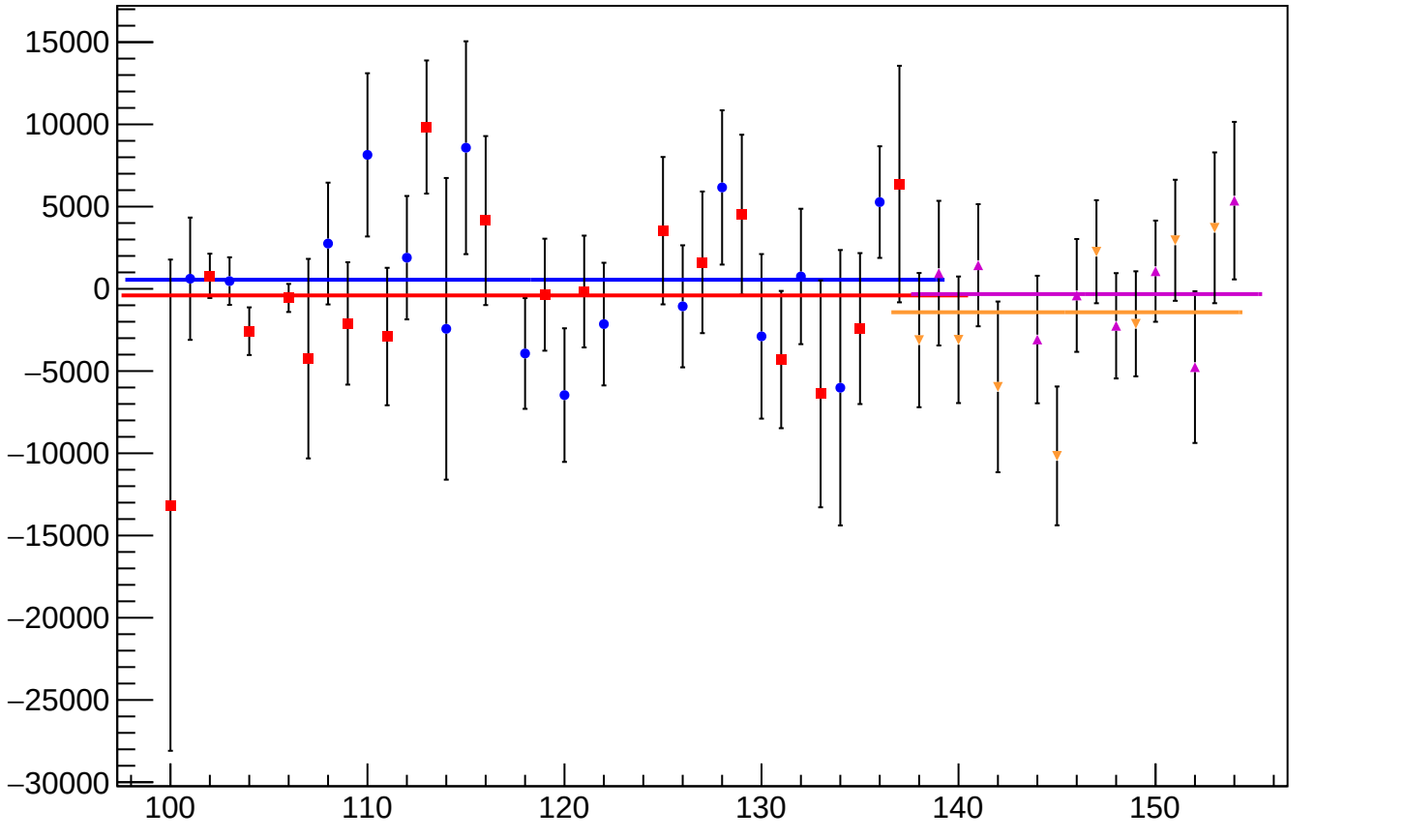
Left: 1173.958+/-0.229 χ^2/NDF: 72810.8/15

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1166.837+/-0.221 χ^2/NDF:669064.1/23

Out: 1174.310+/-0.230 χ^2/NDF:371026.3/25

All: 1170.433+/-0.159 χ^2/NDF: 1040639.1/49



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: -318.622+/-1324.996 χ^2/NDF:3.7/7

Left: -857.587+/-948.413 χ^2/NDF: 13.6/15

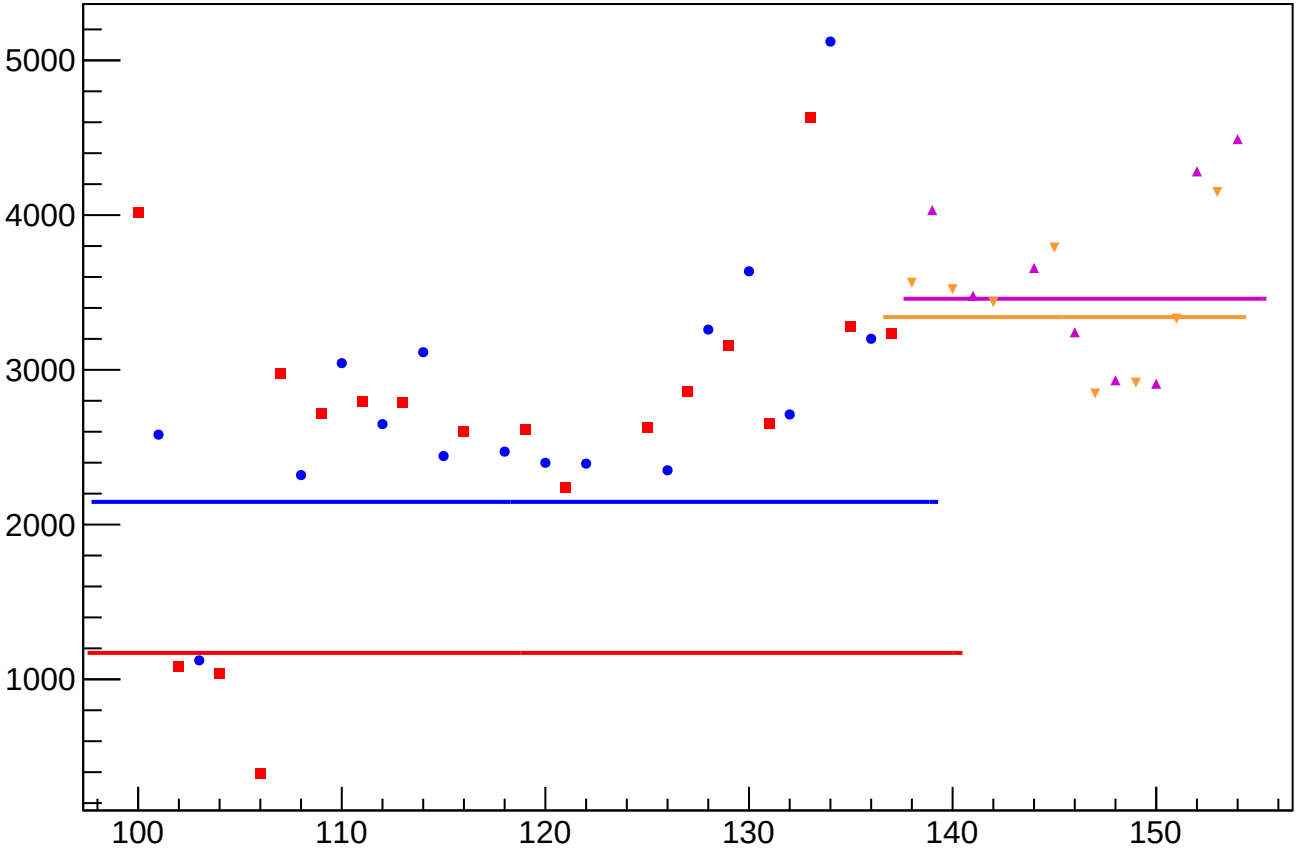
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 288.341+/-729.648 χ^2/NDF:18.4/23

Out: -551.814+/-522.339 χ^2/NDF:26.7/25

All: -267.140+/-424.725 χ^2/NDF: 45.9/49

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: 3459.519+/-0.937 χ^2/NDF:321604.2/7

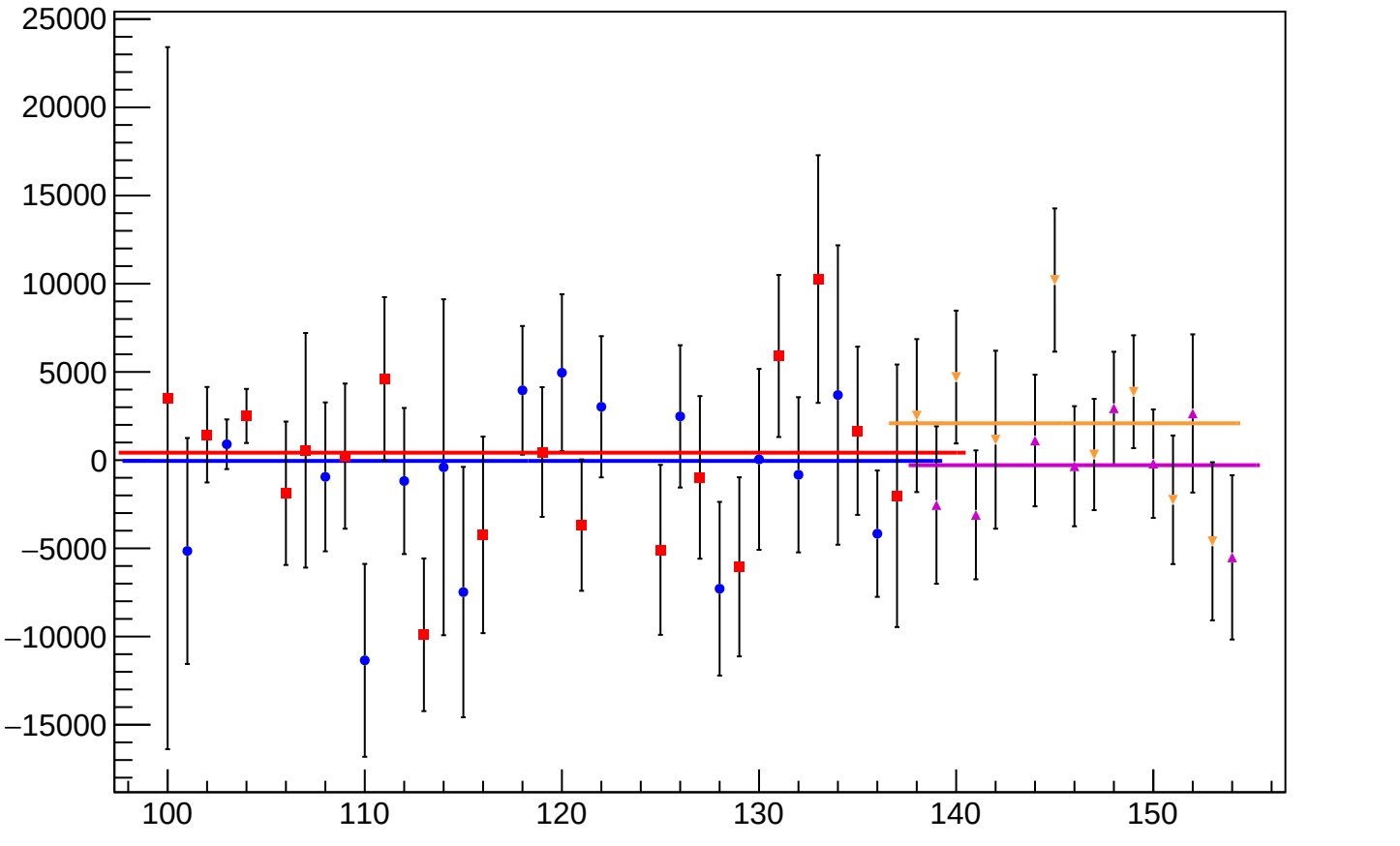
Left: 3401.755+/-0.671 χ^2/NDF: 510067.1/15

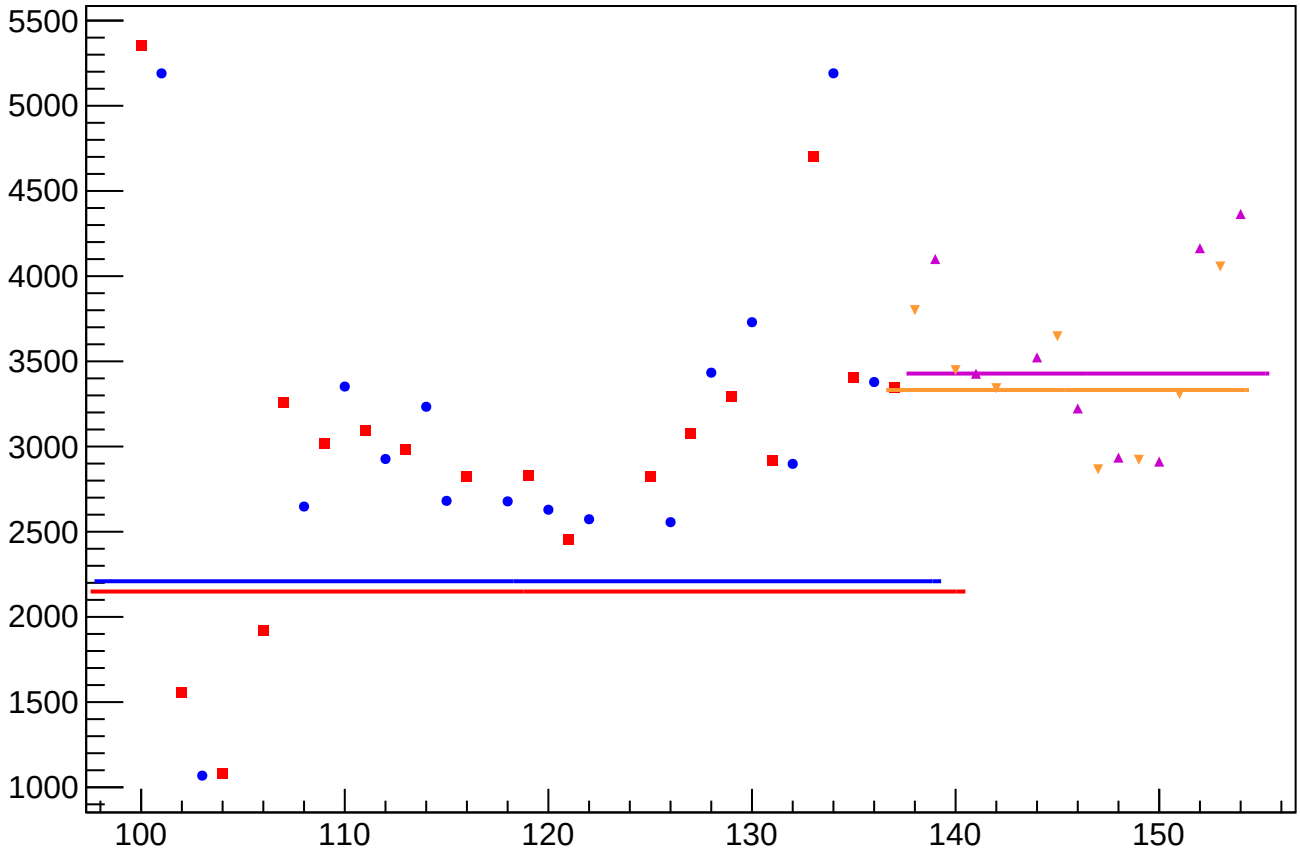
Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2544.749+/-0.516 χ^2/NDF:3664513.0/23

Out: 1491.608+/-0.369 χ^2/NDF:10350904.0/25

All: 1848.449+/-0.300 χ^2/NDF: 16770189.2/4


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: -286.446+/-1310.536 χ²/NDF:3.7/7
Left: 865.374+/-941.001 χ²/NDF: 14.1/15
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: -124.708+/-753.388 χ²/NDF:17.5/23
Out: 933.005+/-747.297 χ²/NDF:27.2/25
All: 408.441+/-530.559 χ²/NDF: 45.7/49



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: 3428.336+/-0.927 χ^2/NDF:292528.6/7

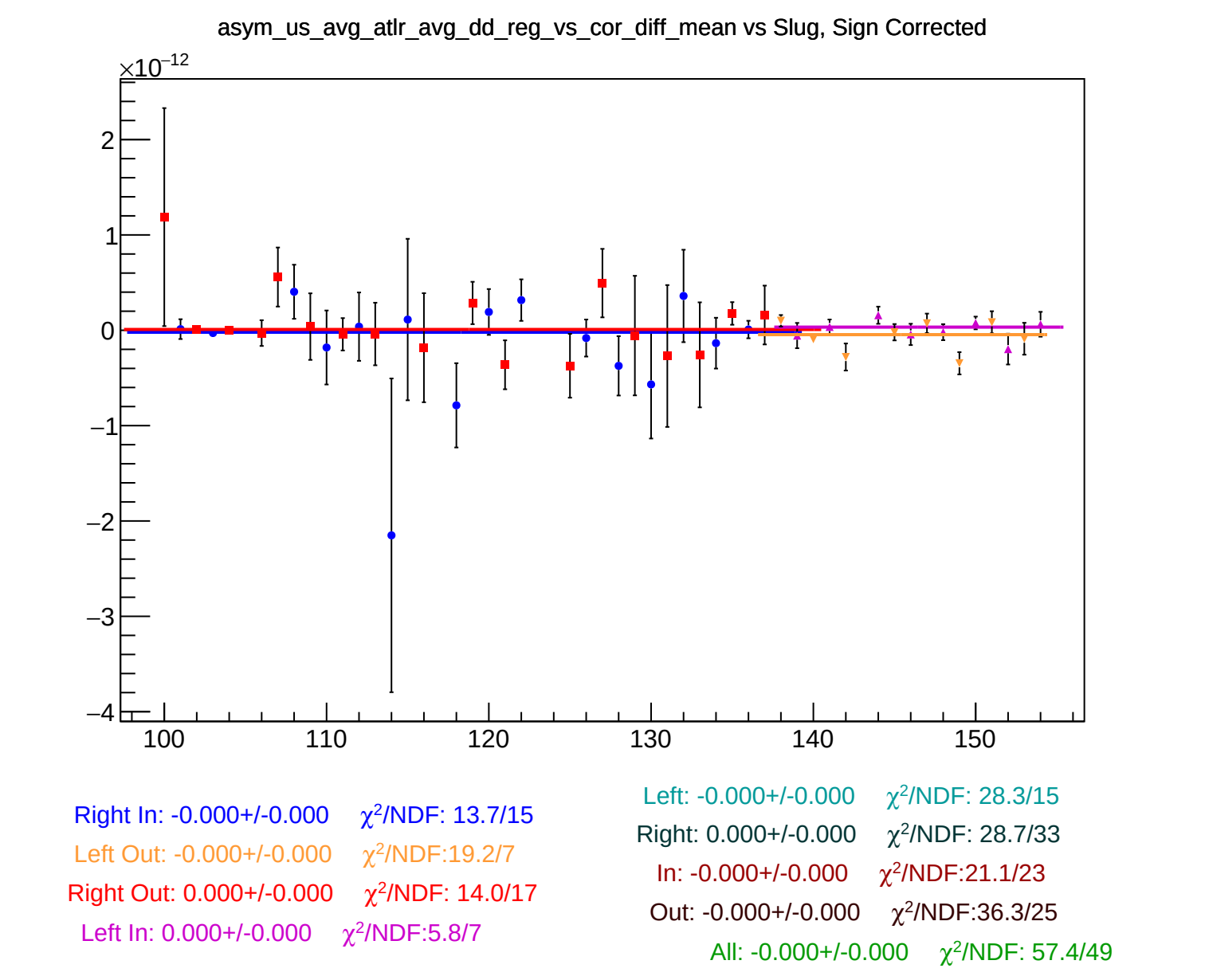
Left: 3381.642+/-0.665 χ^2/NDF: 464010.9/15

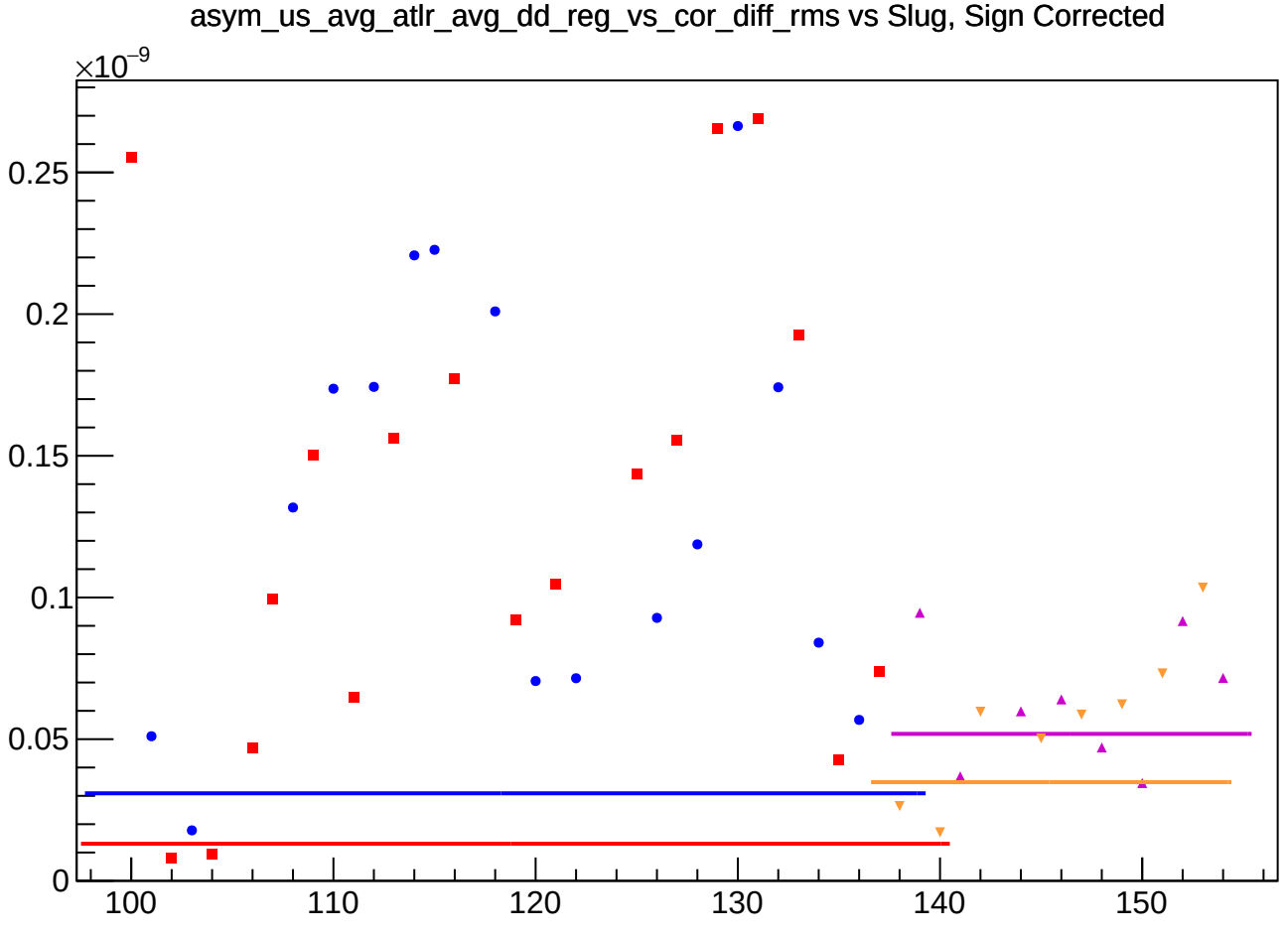
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2612.192+/-0.533 χ^2/NDF:4287907.8/23

Out: 2509.180+/-0.528 χ^2/NDF:3500898.9/25

All: 2560.183+/-0.375 χ^2/NDF: 7807685.2/49


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:19.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:5.8/7
Left: -0.000+/-0.000 χ²/NDF: 28.3/15
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: -0.000+/-0.000 χ²/NDF:21.1/23
Out: -0.000+/-0.000 χ²/NDF:36.3/25
All: -0.000+/-0.000 χ²/NDF: 57.4/49



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:631995.9/7

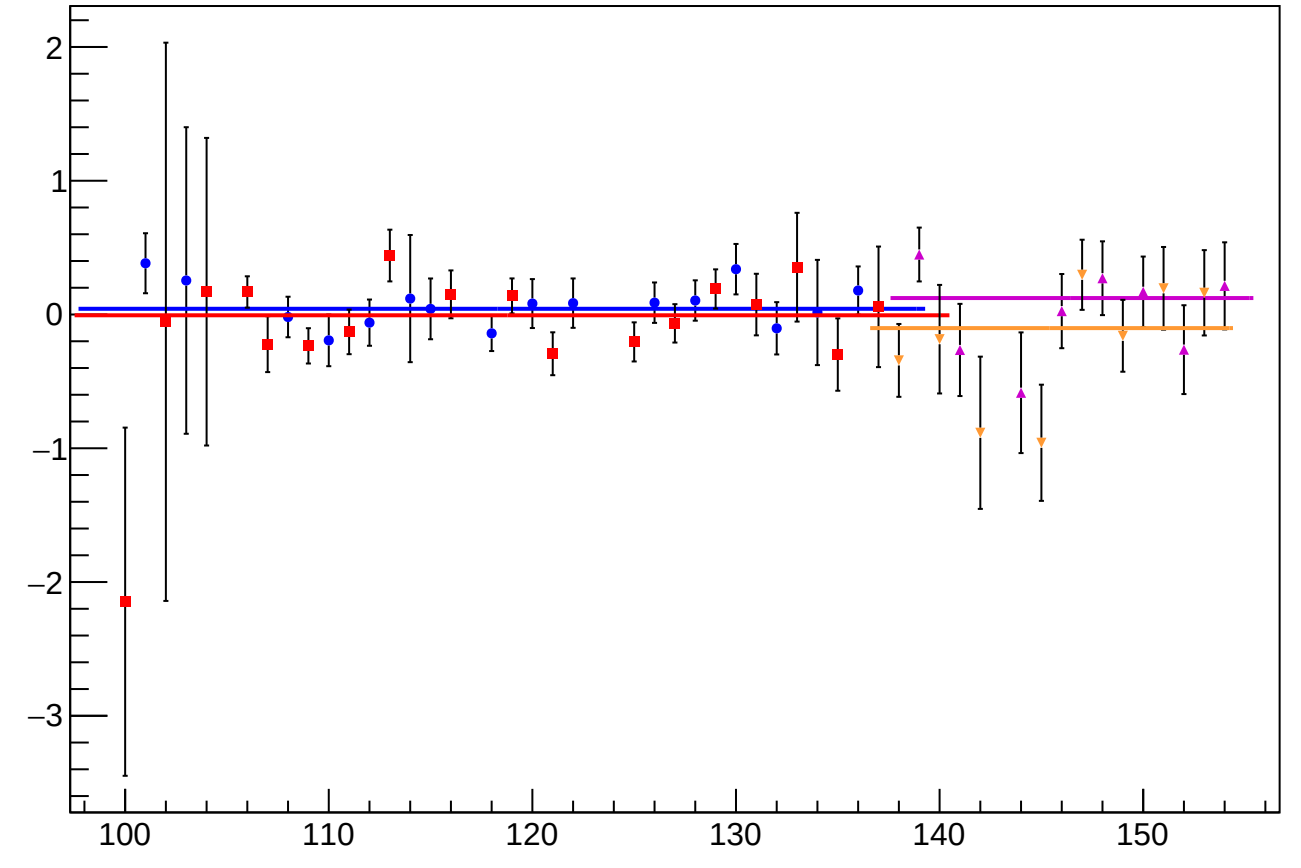
Left: 0.000+/-0.000 χ^2/NDF: 2259180.1/15

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4127529.8/23

Out: 0.000+/-0.000 χ^2/NDF:5950730.4/25

All: 0.000+/-0.000 χ^2/NDF: 11525369.0/49



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: 0.123+/-0.101 χ^2/NDF:8.2/7

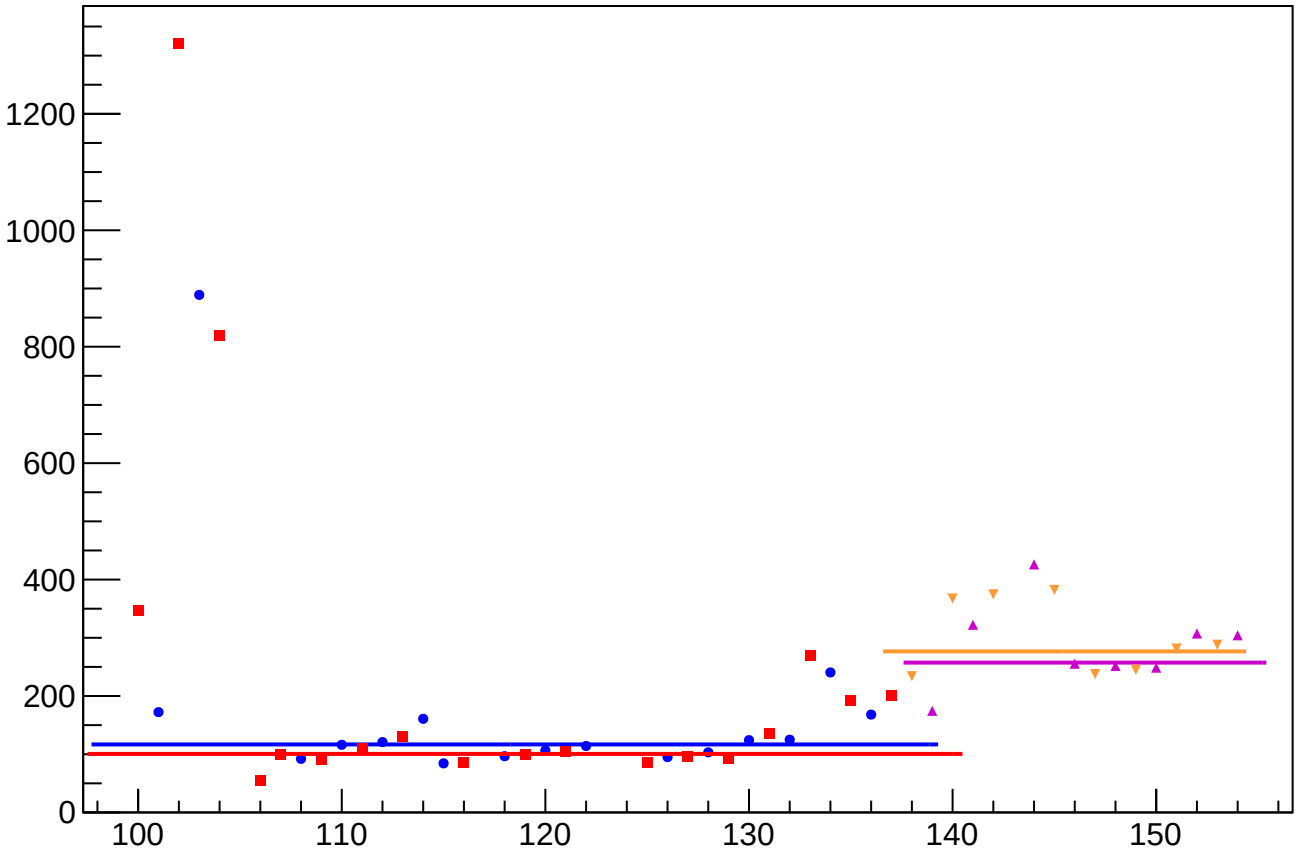
Left: 0.024+/-0.076 χ^2/NDF: 21.0/15

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.043 χ^2/NDF:19.0/23

Out: -0.018+/-0.041 χ^2/NDF:37.2/25

All: 0.017+/-0.030 χ^2/NDF: 57.8/49



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: 257.419+/-0.072 χ^2/NDF:779200.2/7

Left: 265.900+/-0.054 χ^2/NDF: 1212315.5/15

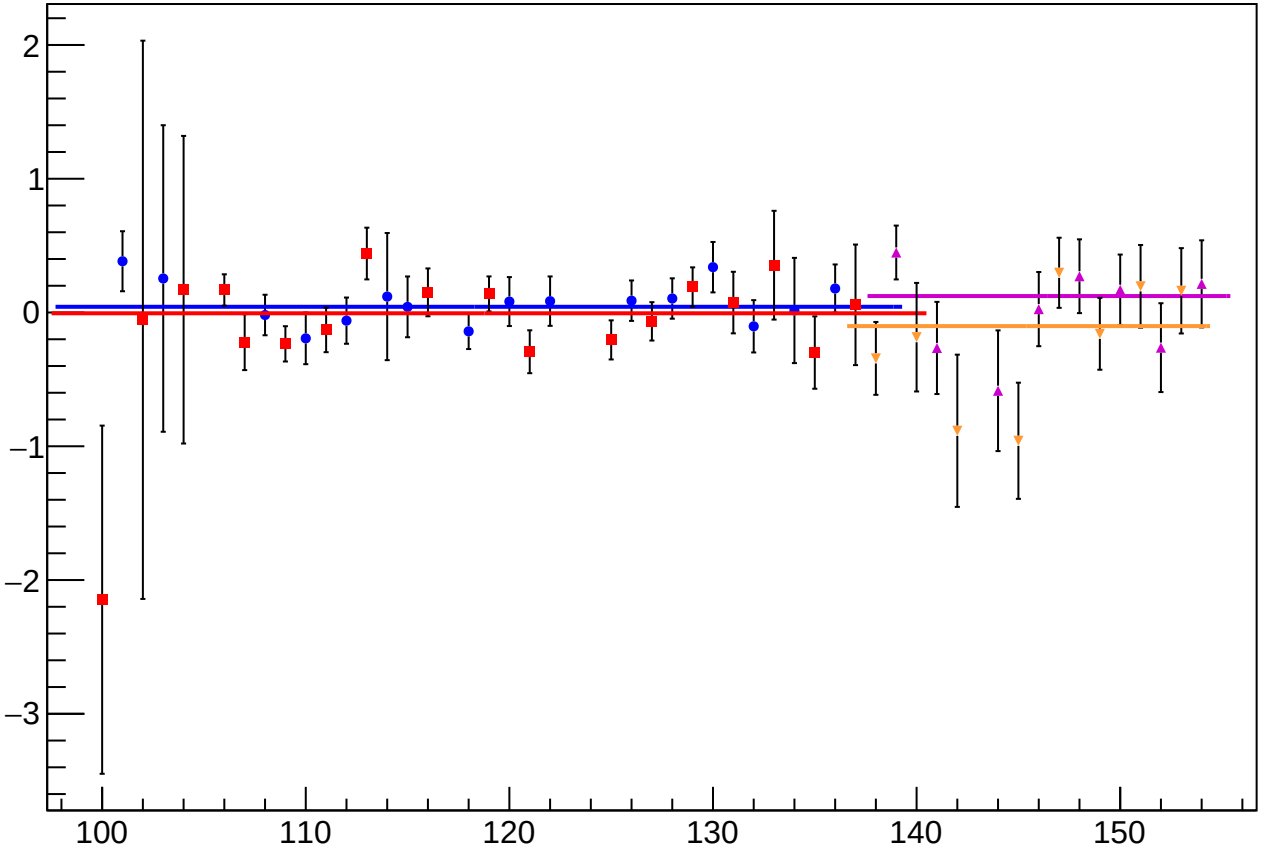
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 142.071+/-0.030 χ^2/NDF:5548572.9/23

Out: 122.745+/-0.029 χ^2/NDF:7220441.6/25

All: 131.844+/-0.021 χ^2/NDF: 12982867.3/49

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: 0.123+/-0.101 χ^2/NDF:8.2/7

Left: 0.024+/-0.076 χ^2/NDF: 21.0/15

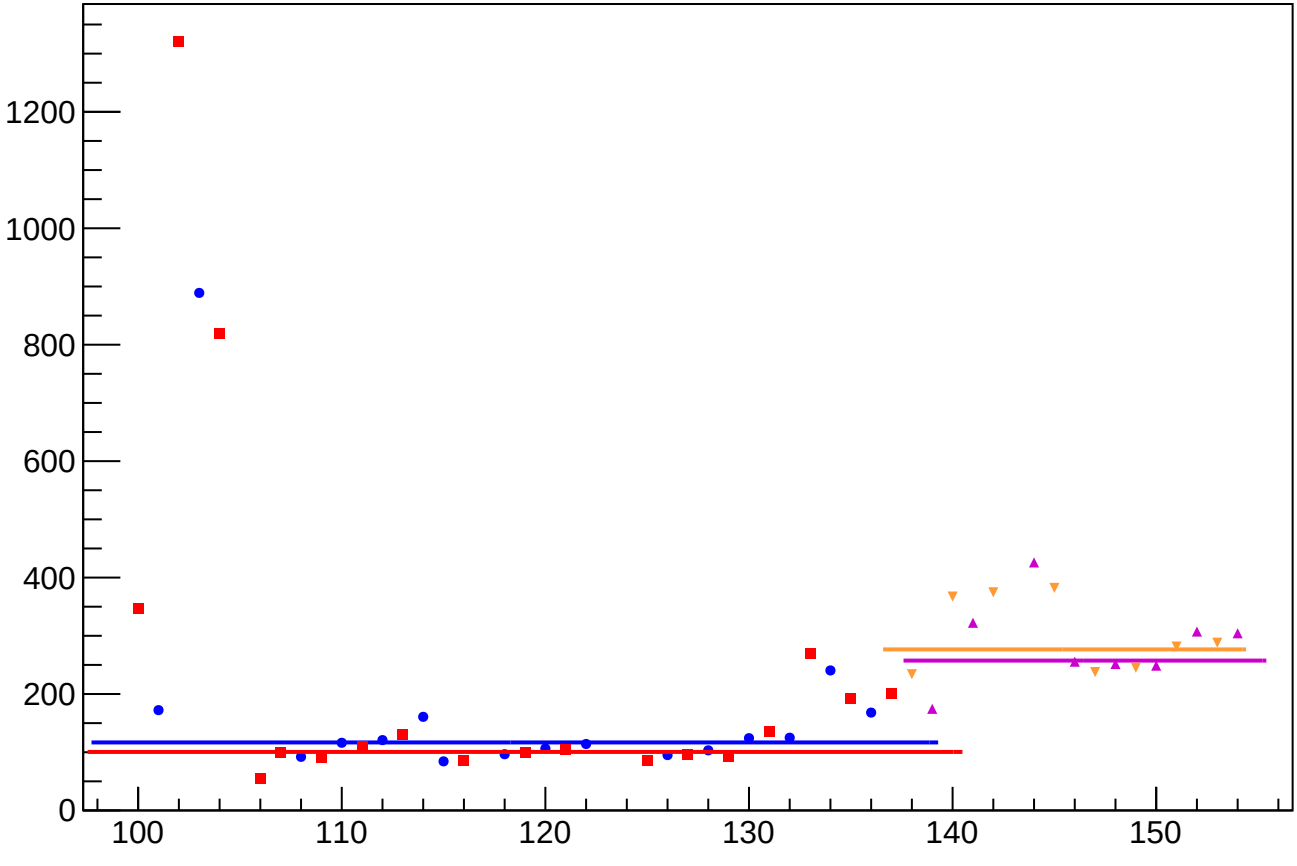
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.043 χ^2/NDF:19.0/23

Out: -0.018+/-0.041 χ^2/NDF:37.2/25

All: 0.017+/-0.030 χ^2/NDF: 57.8/49

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: 257.419+/-0.072 χ^2/NDF:779200.2/7

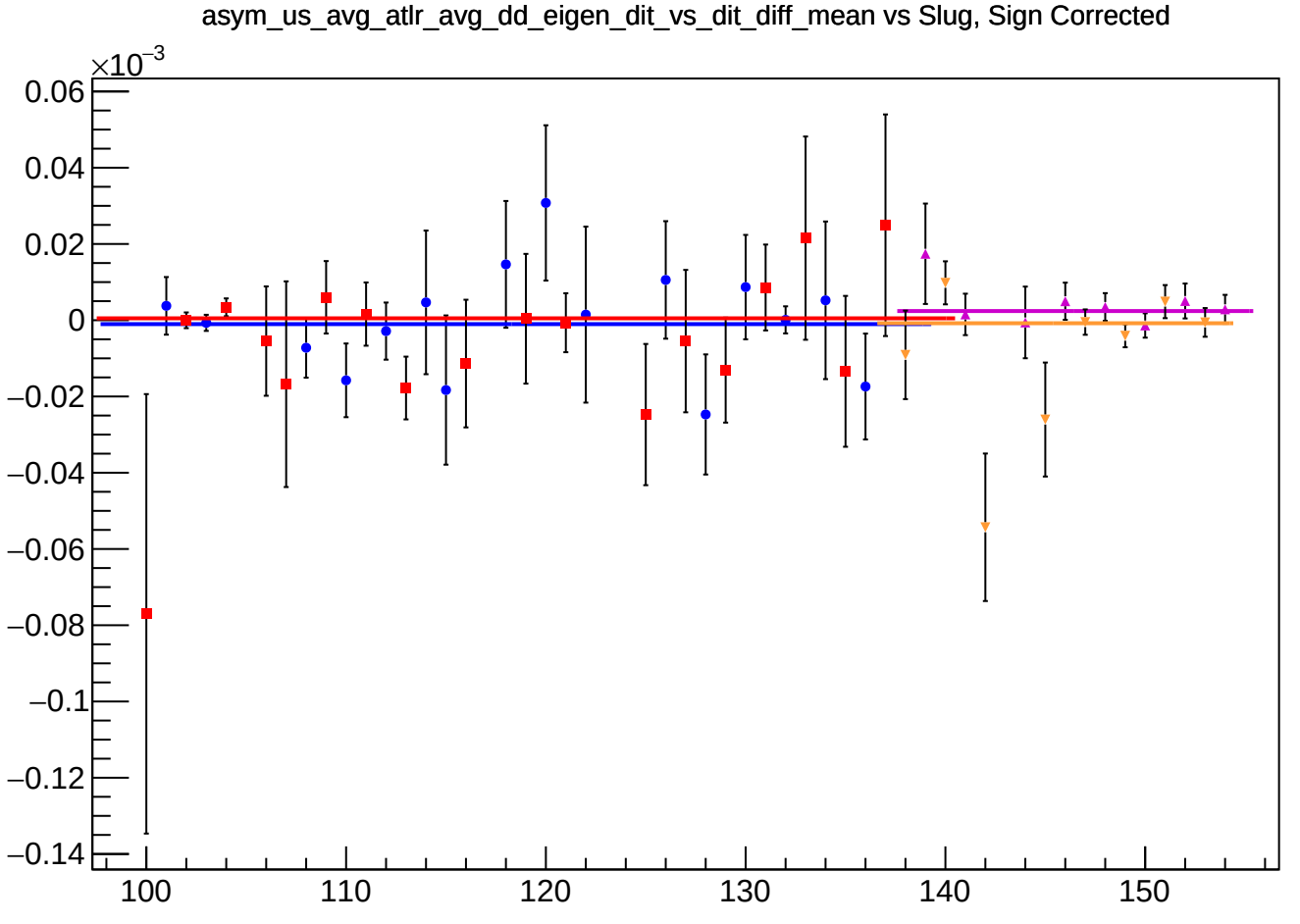
Left: 265.900+/-0.054 χ^2/NDF: 1212315.5/15

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 142.071+/-0.030 χ^2/NDF:5548572.9/23

Out: 122.745+/-0.029 χ^2/NDF:7220441.6/25

All: 131.844+/-0.021 χ^2/NDF: 12982867.3/49



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:3.5/7

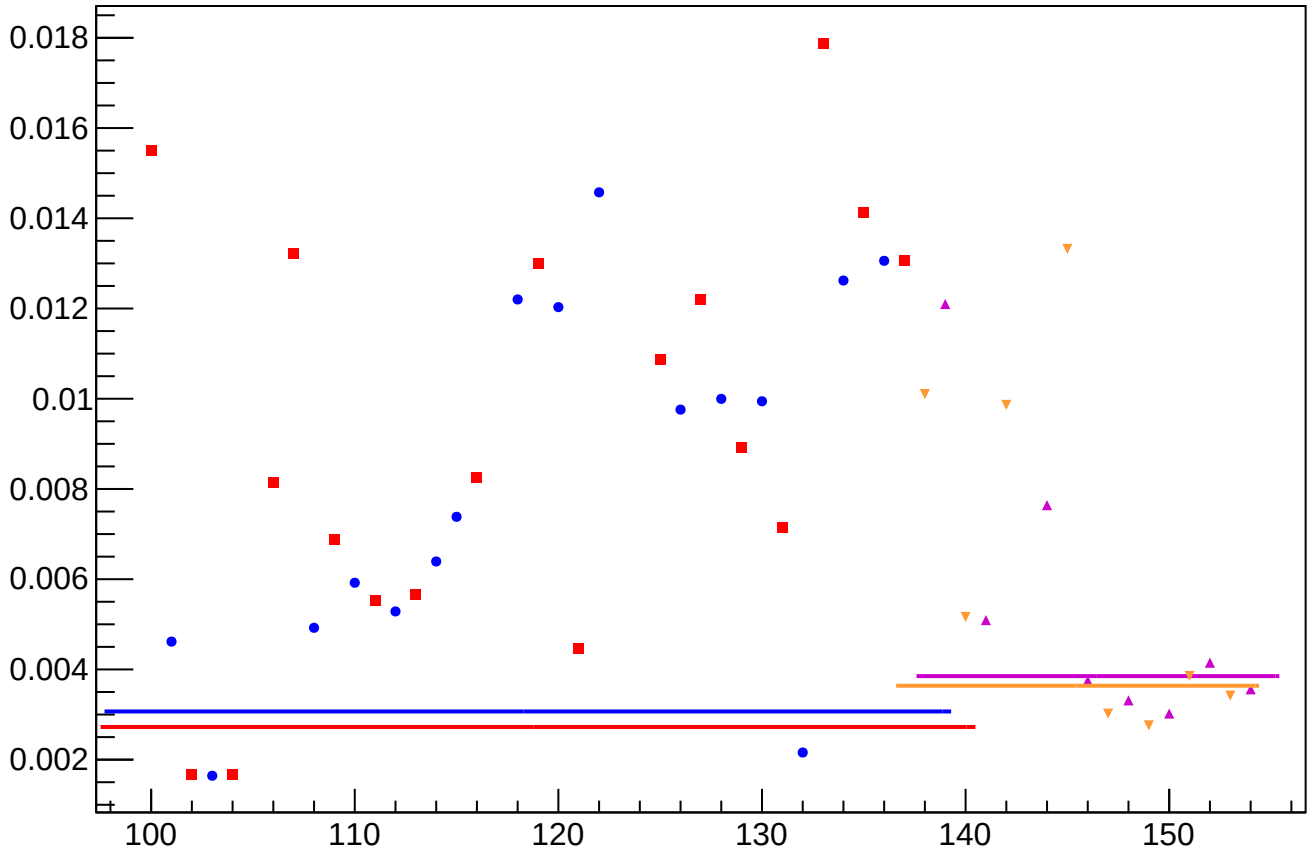
Left: 0.000+/-0.000 χ^2/NDF: 22.9/15

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:18.4/23

Out: -0.000+/-0.000 χ^2/NDF:32.9/25

All: 0.000+/-0.000 χ^2/NDF: 51.5/49



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:1414666.8/7

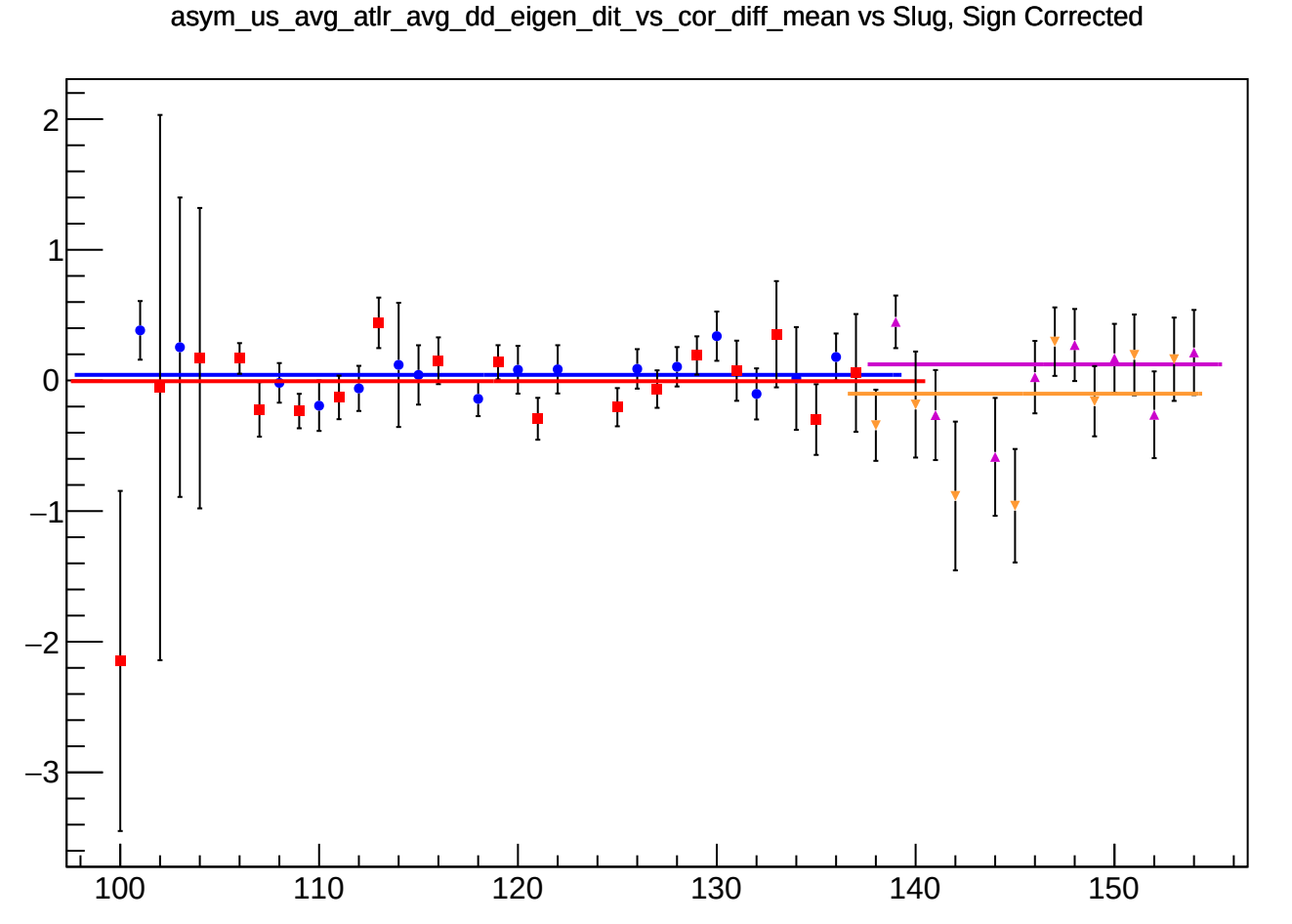
Left: 0.004+/-0.000 χ^2/NDF: 3495038.4/15

Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

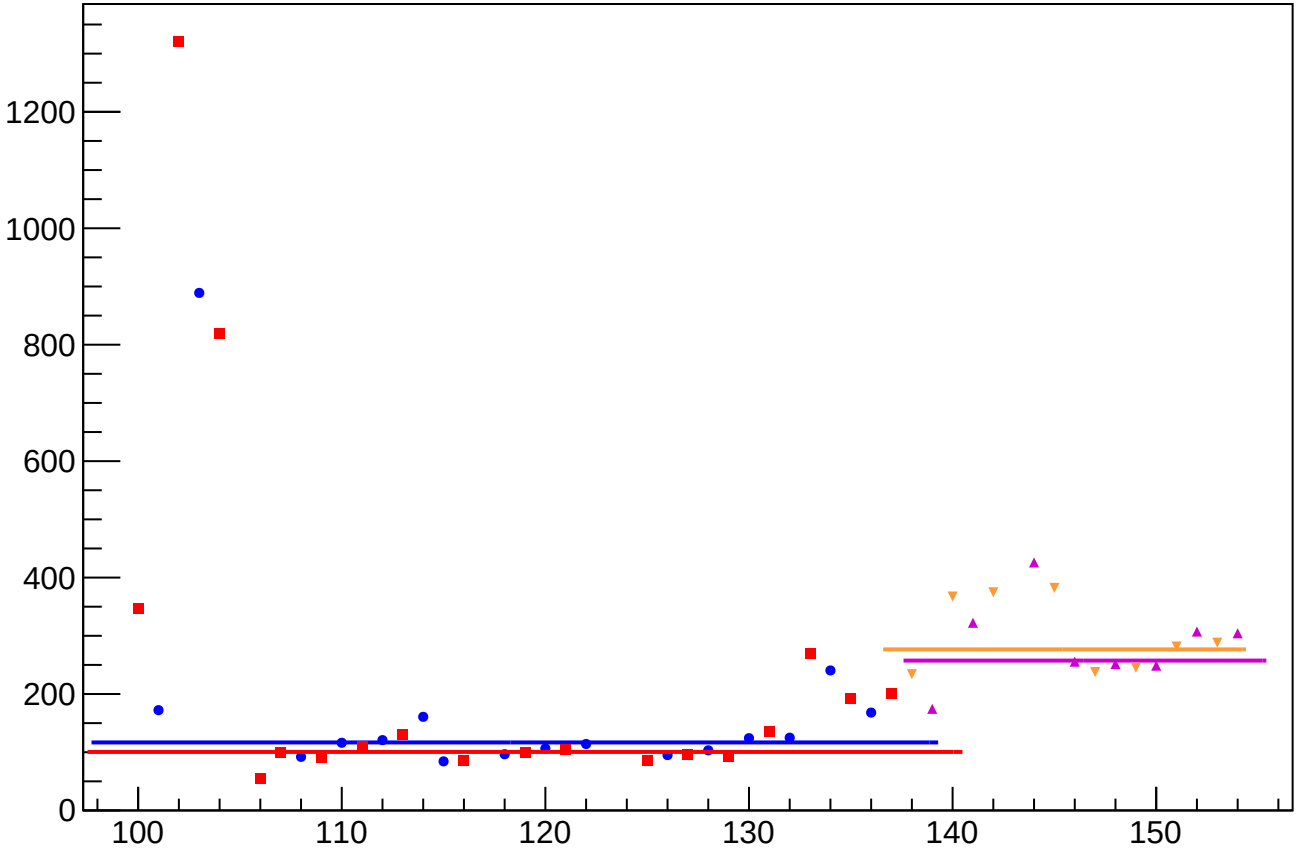
In: 0.003+/-0.000 χ^2/NDF:7619641.5/23

Out: 0.003+/-0.000 χ^2/NDF:9135736.9/25

All: 0.003+/-0.000 χ^2/NDF: 16854399.5/49


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: -0.102+/-0.114 χ²/NDF:10.6/7
Right Out: -0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.123+/-0.101 χ²/NDF:8.2/7
Left: 0.024+/-0.076 χ²/NDF: 21.0/15
Right: 0.016+/-0.032 χ²/NDF: 36.9/33
In: 0.057+/-0.043 χ²/NDF:19.0/23
Out: -0.018+/-0.041 χ²/NDF:37.2/25
All: 0.017+/-0.030 χ²/NDF: 57.8/49

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: 257.423+/-0.072 χ^2/NDF:779162.7/7

Left: 265.903+/-0.054 χ^2/NDF: 1212275.6/15

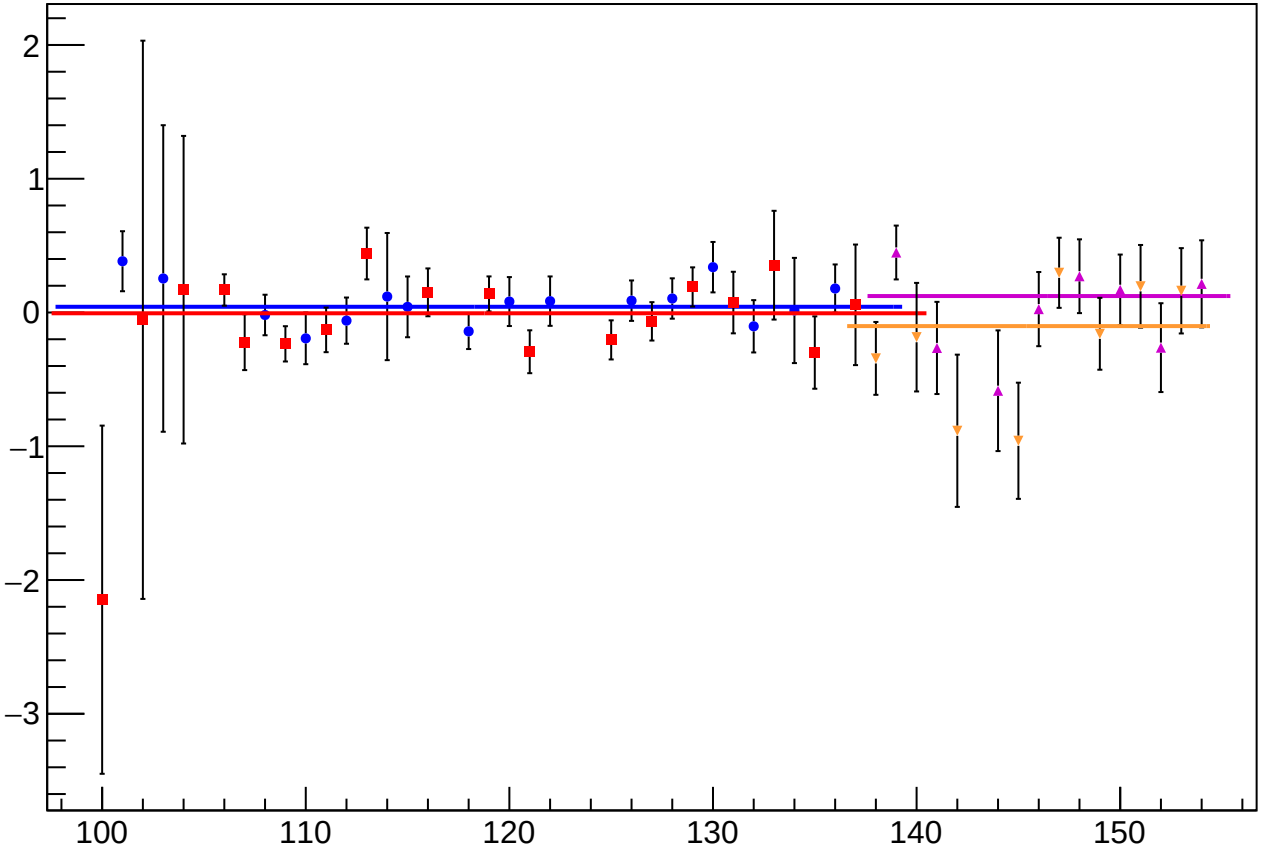
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 142.071+/-0.030 χ^2/NDF:5548636.8/23

Out: 122.744+/-0.029 χ^2/NDF:7220626.9/25

All: 131.843+/-0.021 χ^2/NDF: 12983141.6/49

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: 0.123+/-0.101 χ^2/NDF:8.2/7

Left: 0.024+/-0.076 χ^2/NDF: 21.0/15

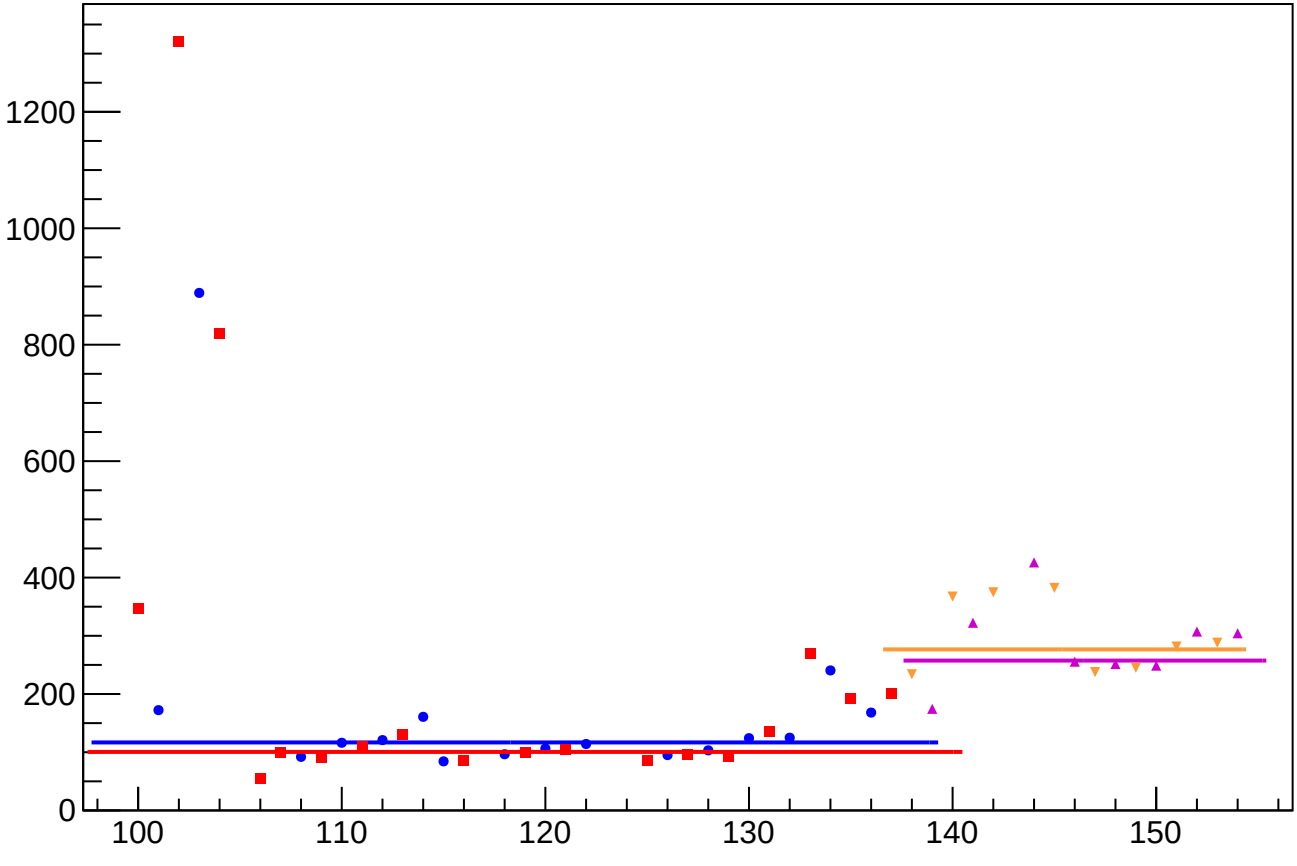
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.043 χ^2/NDF:19.0/23

Out: -0.018+/-0.041 χ^2/NDF:37.2/25

All: 0.017+/-0.030 χ^2/NDF: 57.8/49

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: 257.423+/-0.072 χ^2/NDF:779162.7/7

Left: 265.903+/-0.054 χ^2/NDF: 1212275.6/15

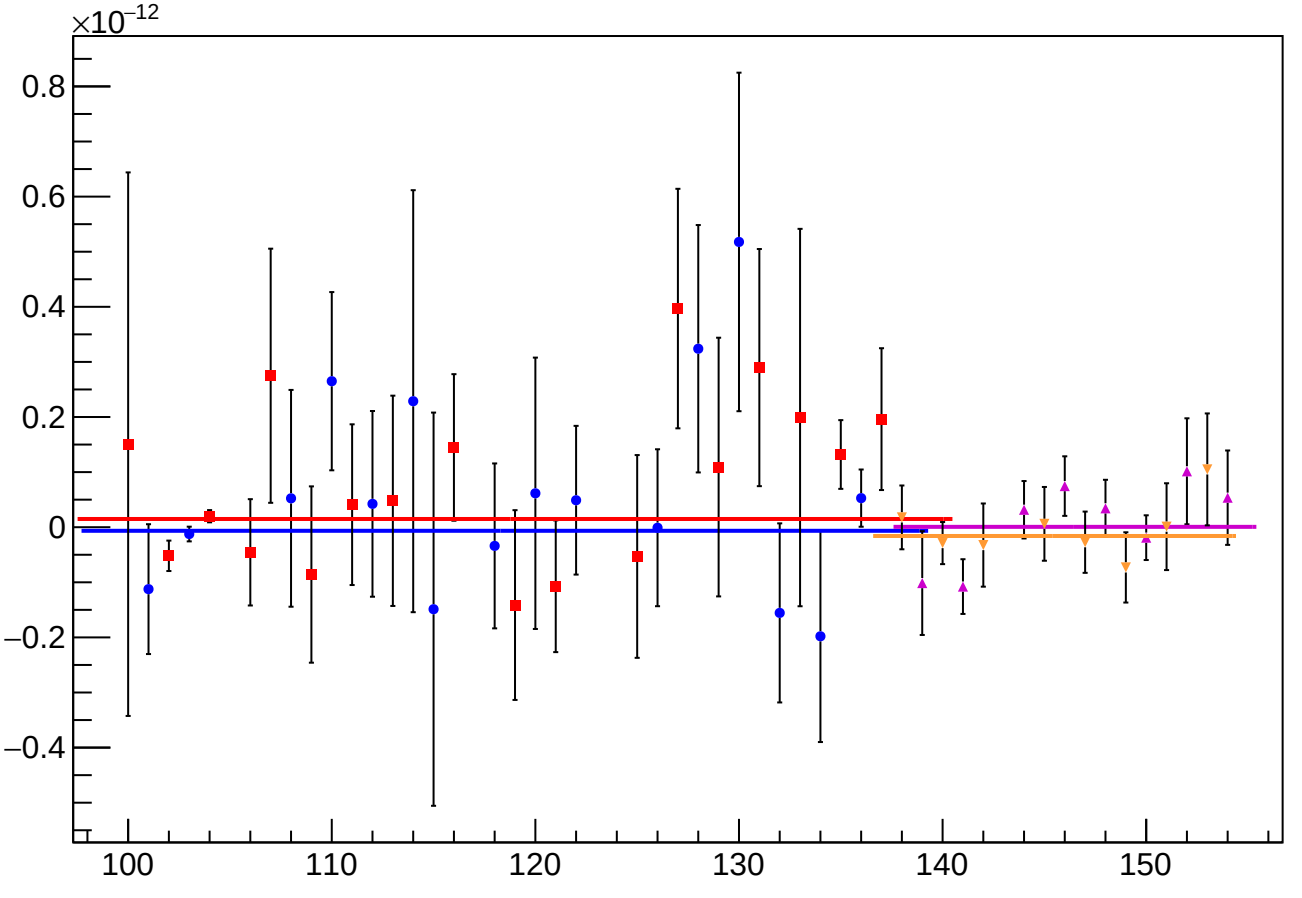
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 142.071+/-0.030 χ^2/NDF:5548636.8/23

Out: 122.744+/-0.029 χ^2/NDF:7220626.9/25

All: 131.843+/-0.021 χ^2/NDF: 12983141.6/49

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:10.3/7

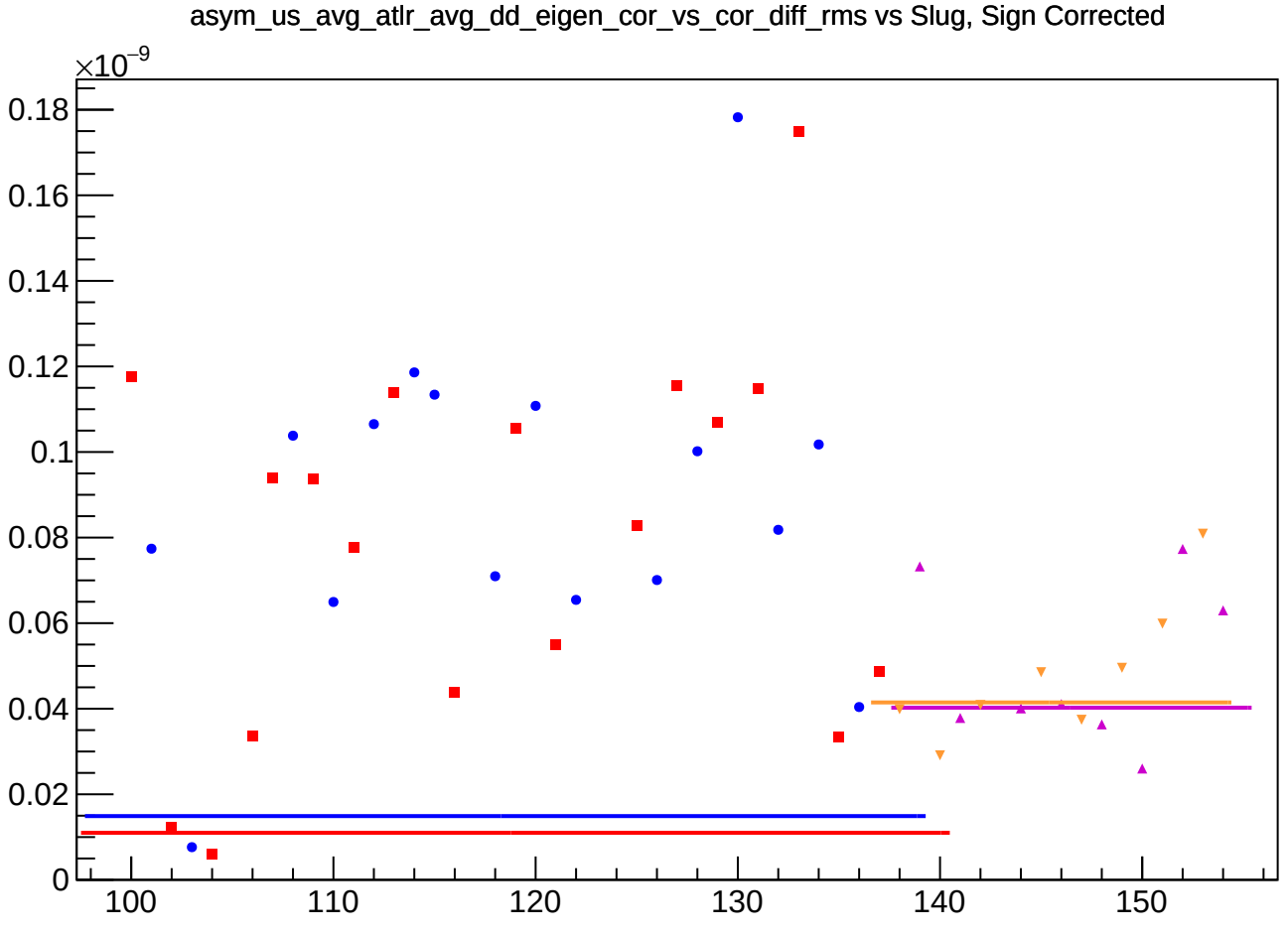
Left: -0.000+/-0.000 χ^2/NDF: 13.5/15

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:23.4/23

Out: 0.000+/-0.000 χ^2/NDF:26.5/25

All: 0.000+/-0.000 χ^2/NDF: 51.0/49



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:946386.9/7

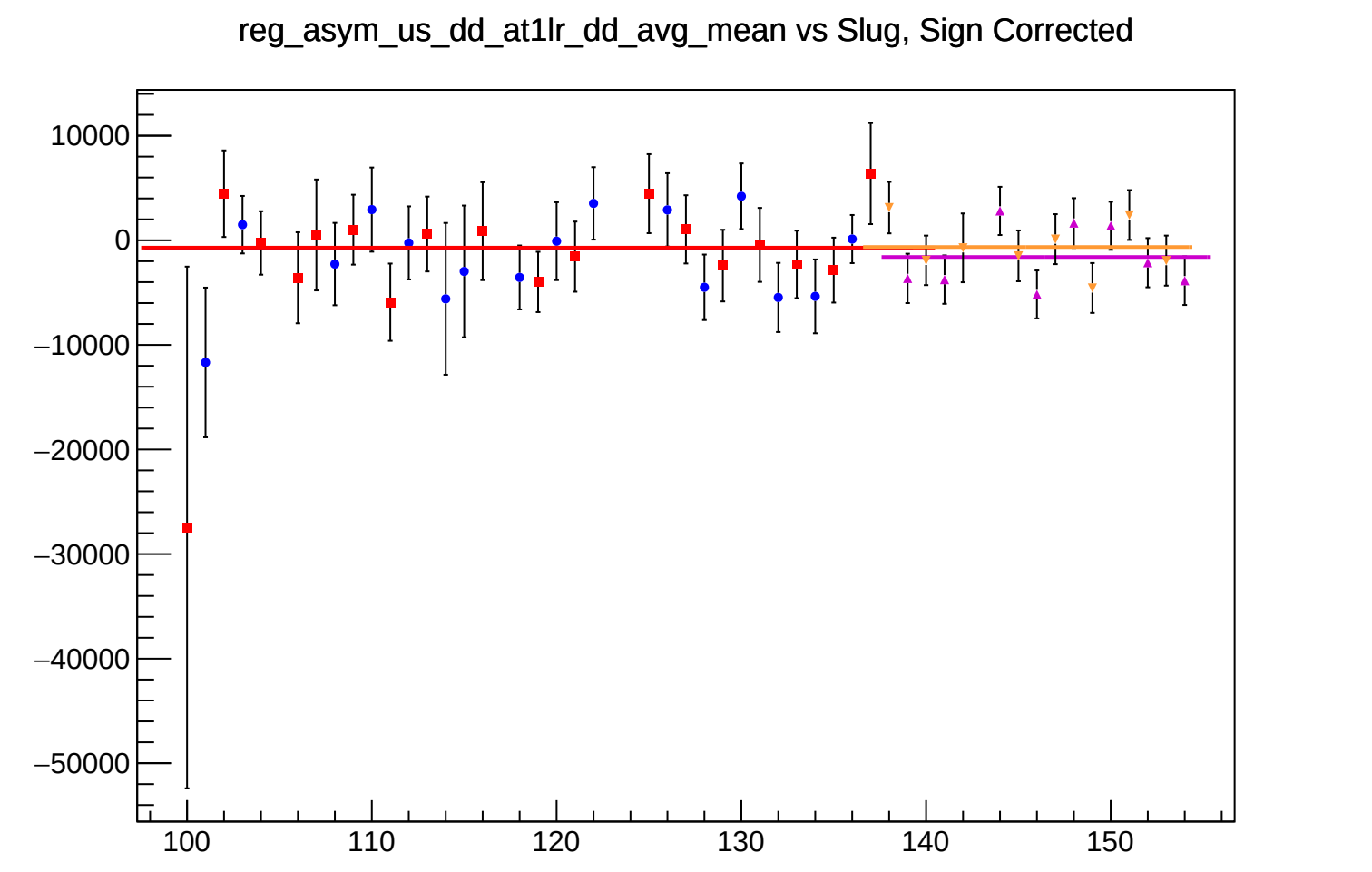
Left: 0.000+/-0.000 χ^2/NDF: 1636805.8/15

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:9119774.6/23

Out: 0.000+/-0.000 χ^2/NDF:9928200.8/25

All: 0.000+/-0.000 χ^2/NDF: 19360997.0/49



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: -1595.649+/-822.201 χ^2/NDF:12.3/7

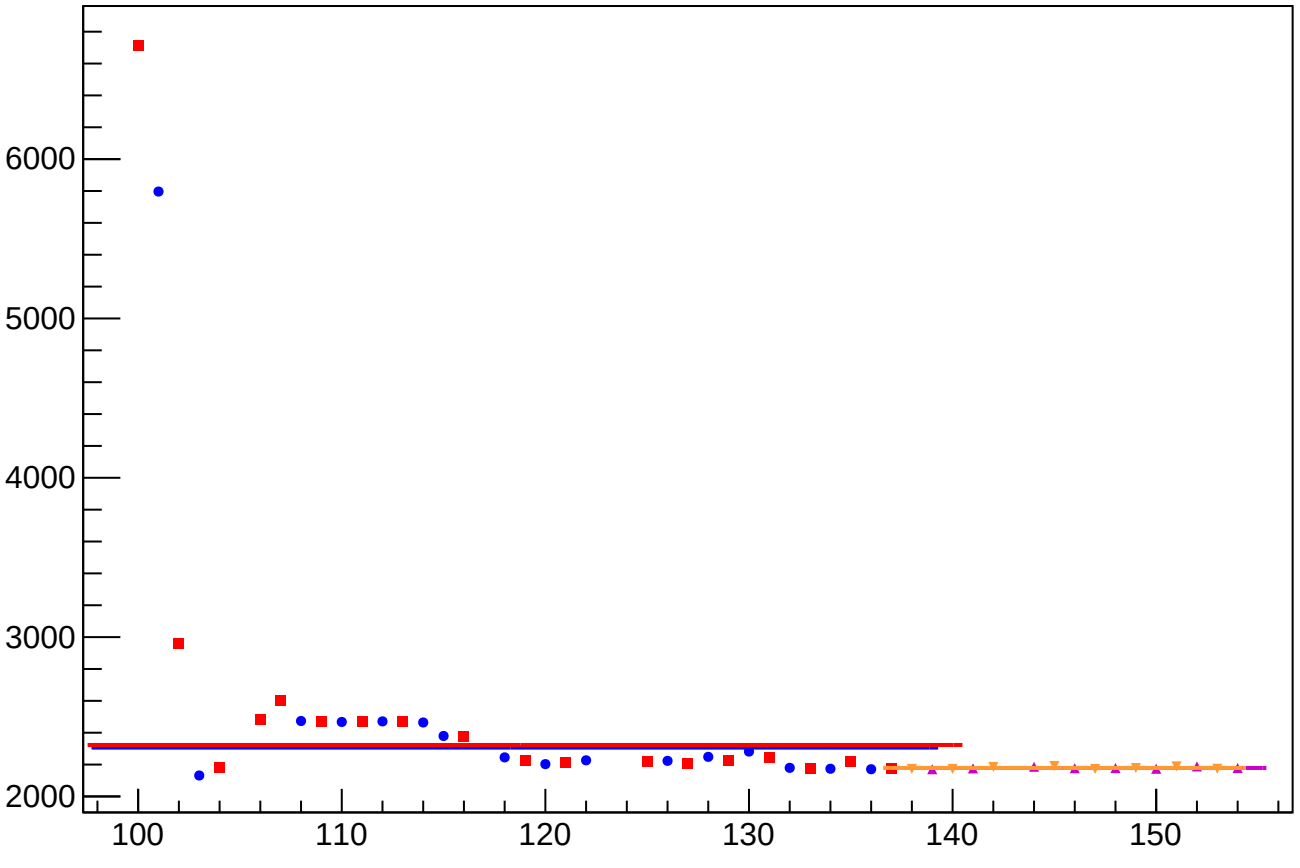
Left: -1148.407+/-598.931 χ^2/NDF: 20.4/15

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1199.993+/-598.425 χ^2/NDF:28.7/23

Out: -672.679+/-616.188 χ^2/NDF:19.9/25

All: -944.046+/-429.293 χ^2/NDF: 48.9/49



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: 2178.684+/-0.581 χ^2/NDF:93.5/7

Left: 2178.770+/-0.424 χ^2/NDF: 234.4/15

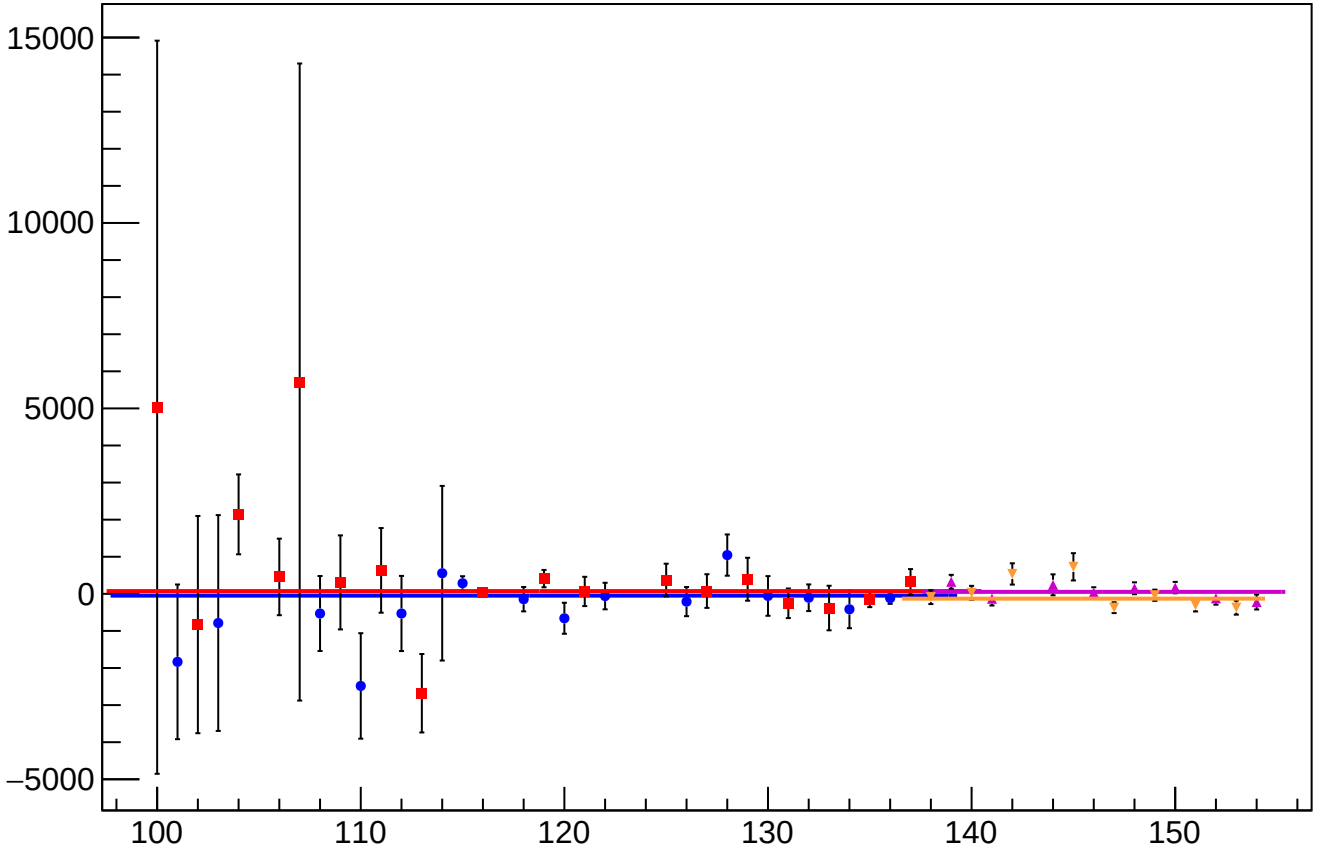
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2238.858+/-0.423 χ^2/NDF:537023.9/23

Out: 2251.400+/-0.436 χ^2/NDF:179287.8/25

All: 2244.946+/-0.304 χ^2/NDF: 716738.1/49

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: 53.286+/-61.806 χ^2/NDF:7.4/7

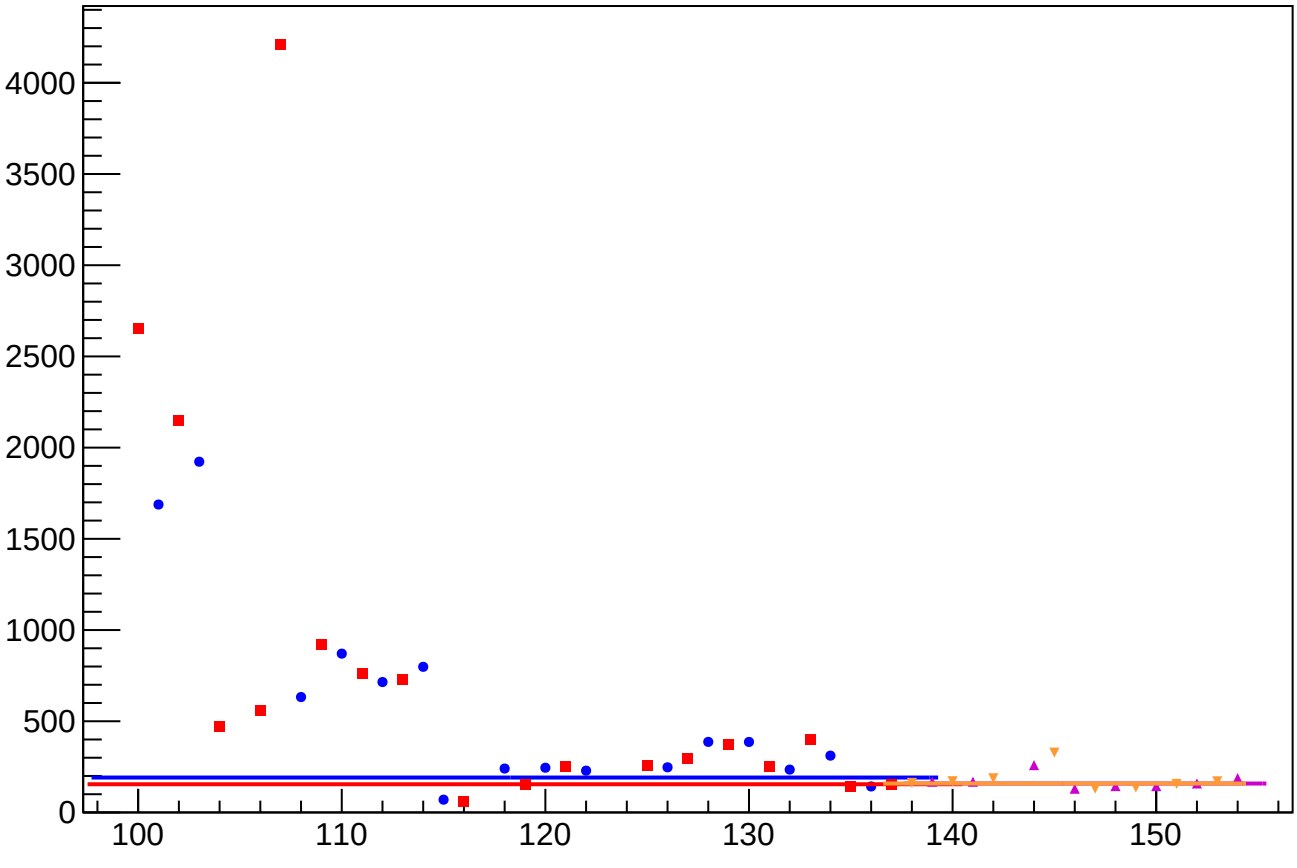
Left: -31.908+/-45.177 χ^2/NDF: 28.8/15

Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 21.294+/-51.113 χ^2/NDF:22.6/23

Out: -49.666+/-51.604 χ^2/NDF:38.7/25

All: -13.847+/-36.315 χ^2/NDF: 62.3/49



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: 158.564+/-0.044 χ^2/NDF:424122.9/7

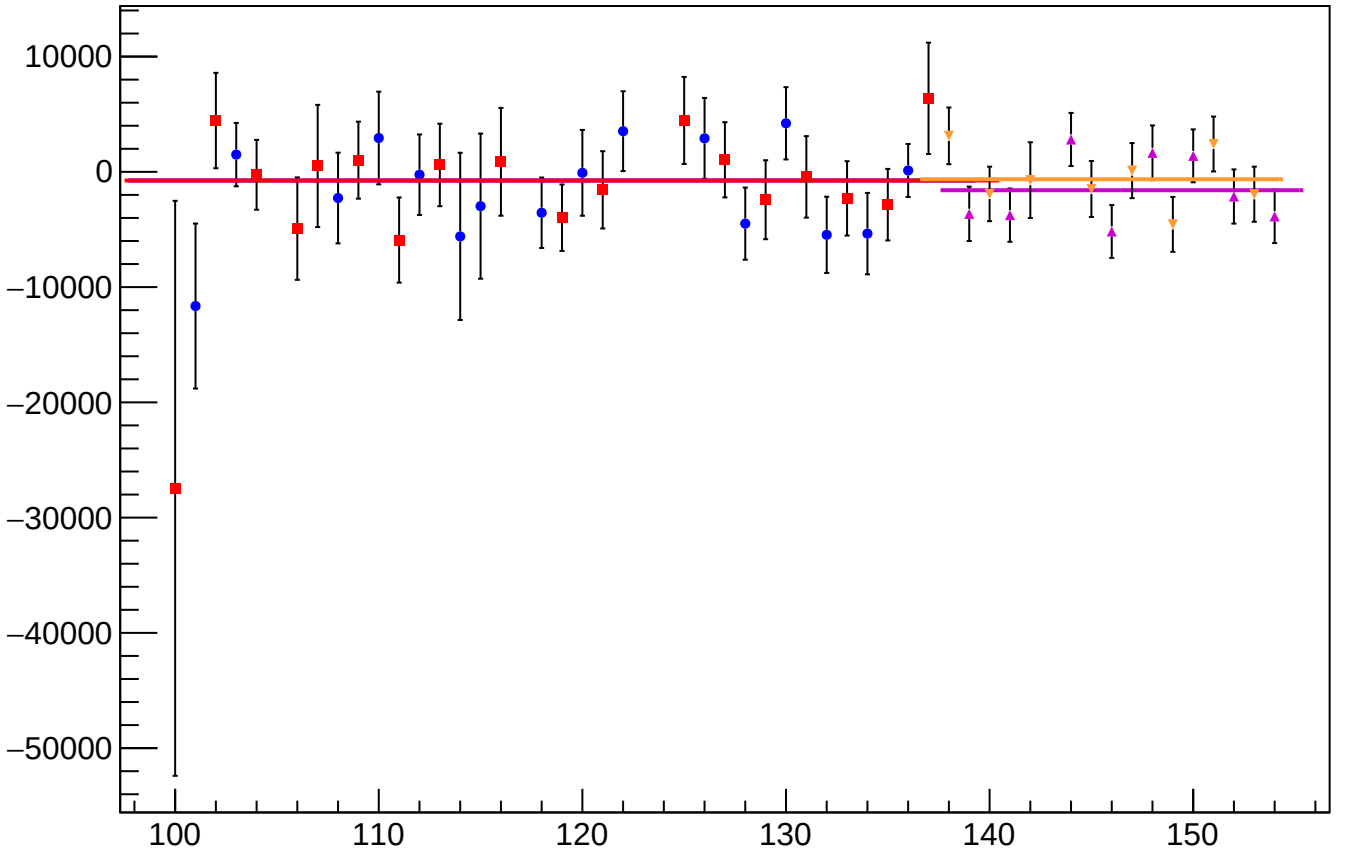
Left: 158.639+/-0.032 χ^2/NDF: 1001757.0/15

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 168.937+/-0.036 χ^2/NDF:5667093.9/23

Out: 157.137+/-0.036 χ^2/NDF:6734848.8/25

All: 163.093+/-0.026 χ^2/NDF: 12454727.2/49



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: -1595.595+/-822.201 χ^2/NDF:12.3/7

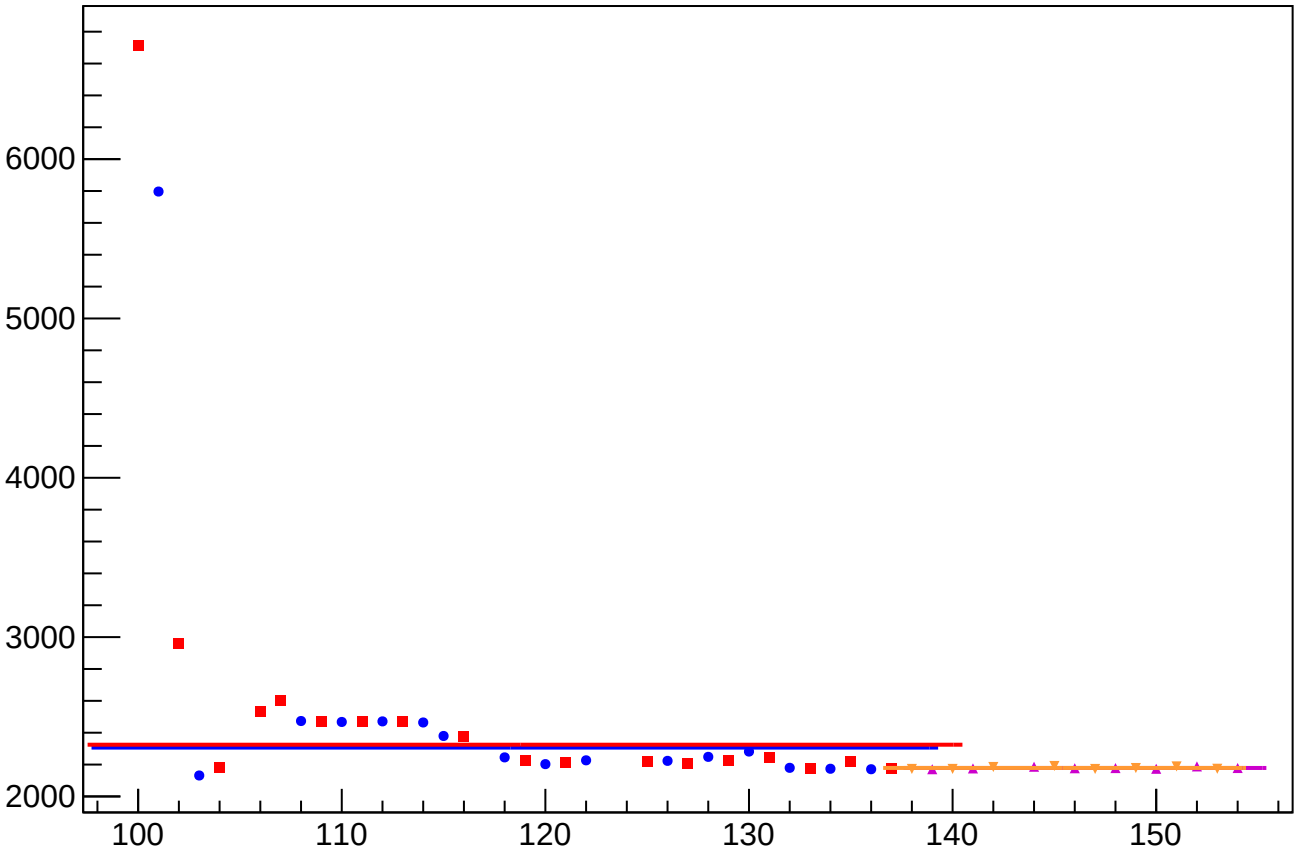
Left: -1148.397+/-598.931 χ^2/NDF: 20.4/15

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1199.508+/-598.425 χ^2/NDF:28.6/23

Out: -696.365+/-616.444 χ^2/NDF:20.3/25

All: -955.398+/-429.379 χ^2/NDF: 49.3/49



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: 2178.684+/-0.581 χ^2/NDF:93.5/7

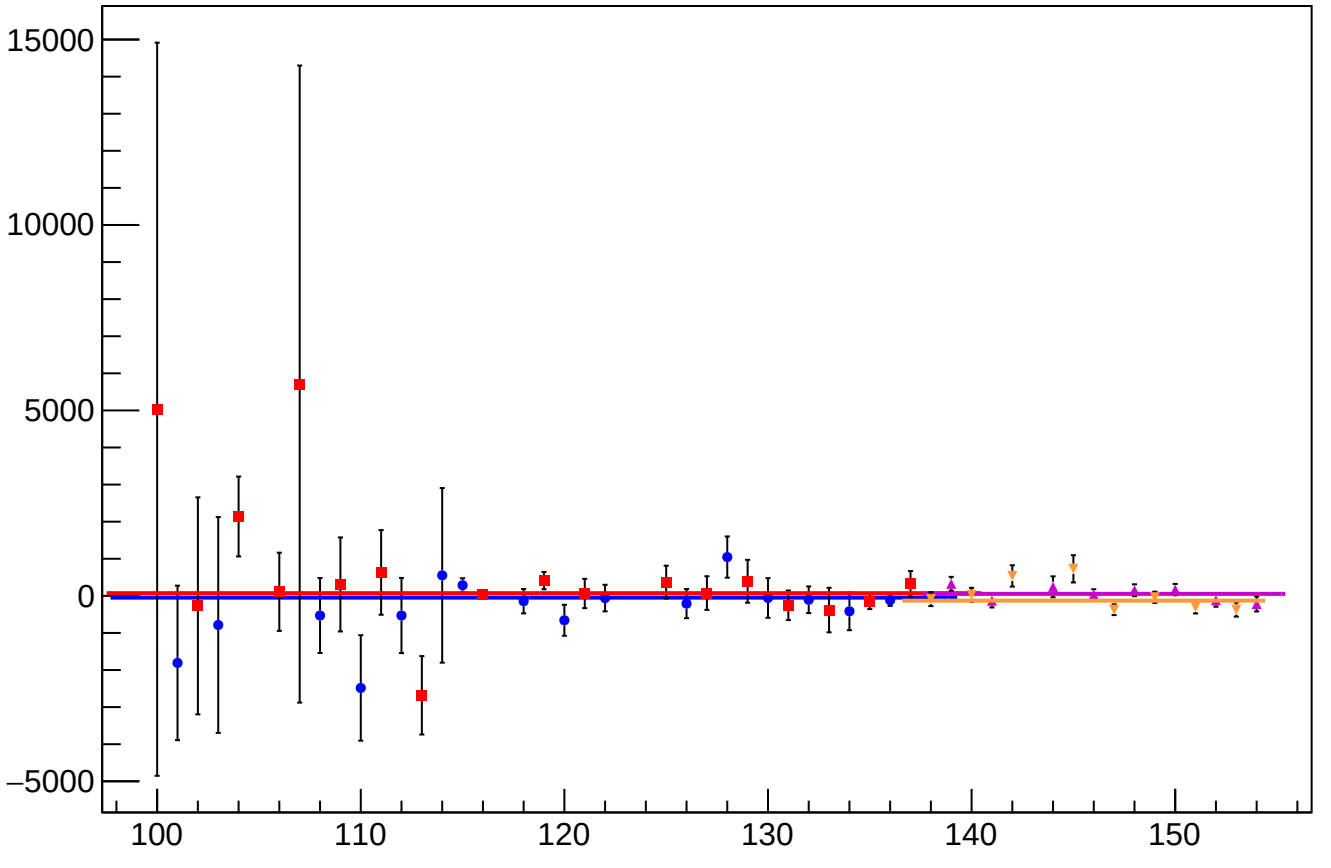
Left: 2178.770+/-0.424 χ^2/NDF: 234.4/15

Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2238.858+/-0.423 χ^2/NDF:537024.2/23

Out: 2252.182+/-0.436 χ^2/NDF:181695.5/25

All: 2245.323+/-0.304 χ^2/NDF: 719200.8/49



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: 53.303+/-61.812 χ^2/NDF:7.4/7

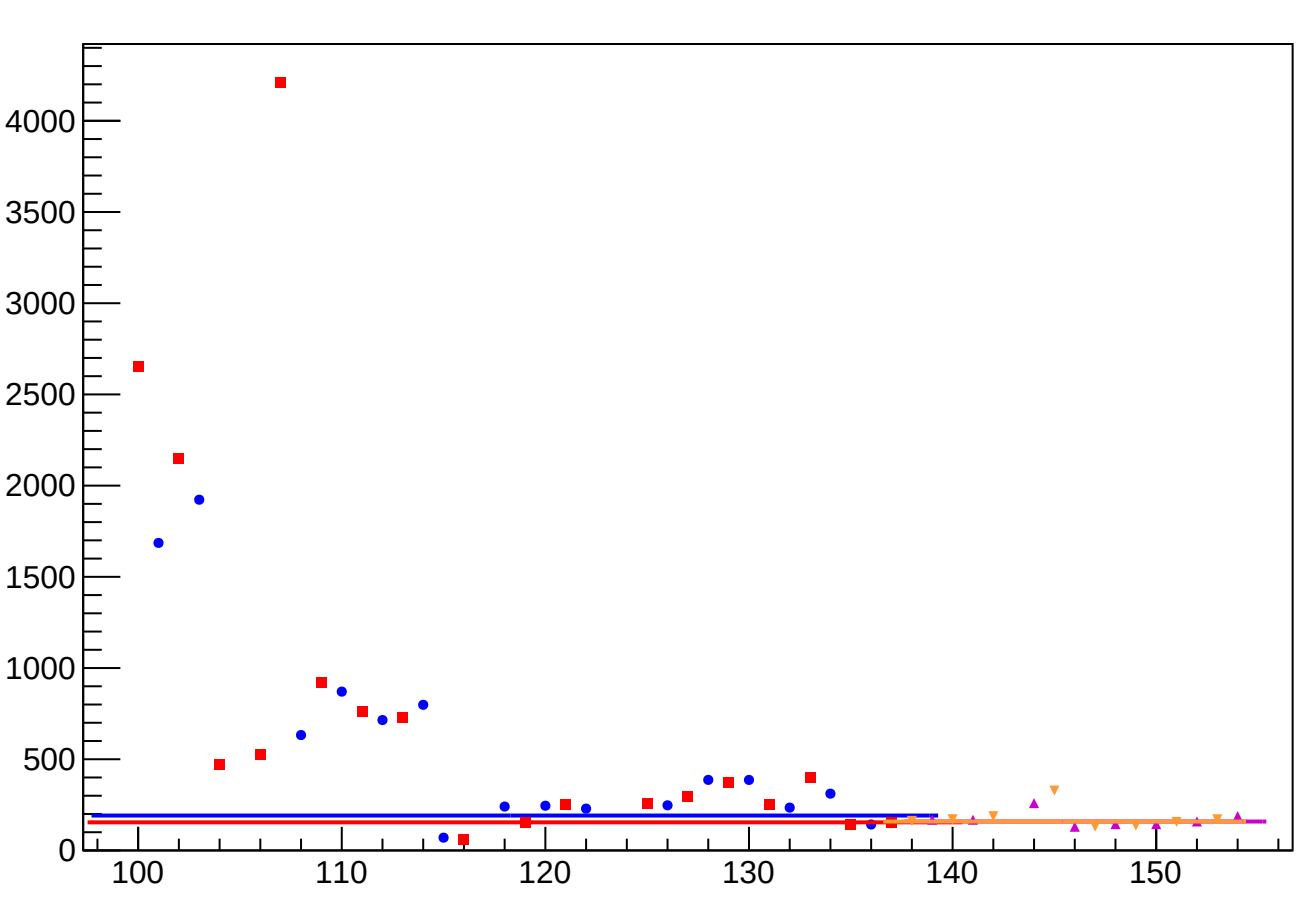
Left: -31.886+/-45.180 χ^2/NDF: 28.8/15

Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.294+/-51.117 χ^2/NDF:22.6/23

Out: -50.353+/-51.590 χ^2/NDF:38.4/25

All: -14.200+/-36.311 χ^2/NDF: 61.9/49



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: 158.580+/-0.044 χ^2/NDF:424089.3/7

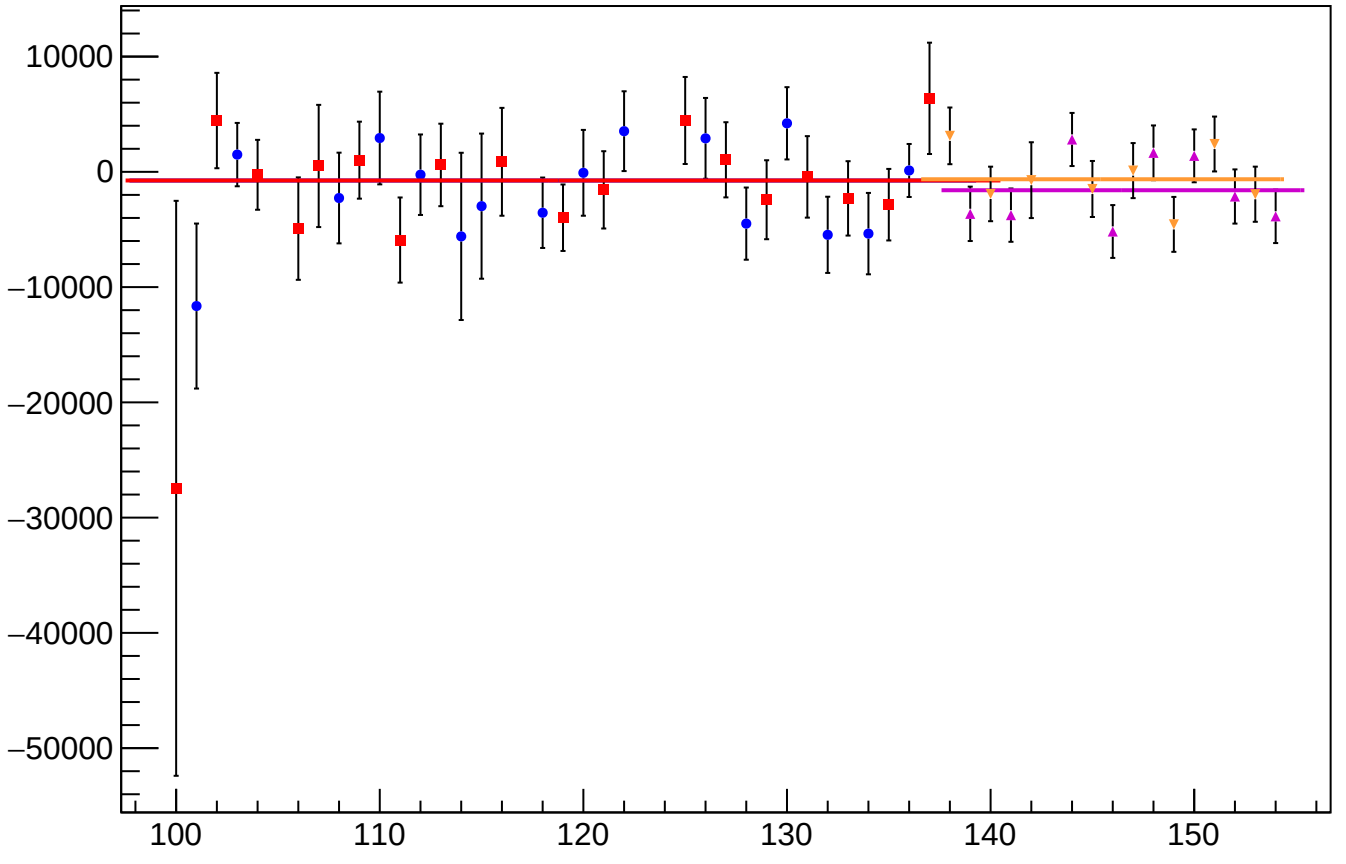
Left: 158.649+/-0.032 χ^2/NDF: 1001801.1/15

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 168.956+/-0.036 χ^2/NDF:5665983.9/23

Out: 156.919+/-0.036 χ^2/NDF:6690175.5/25

All: 162.993+/-0.026 χ^2/NDF: 12411095.3/49



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: -1595.595+/-822.201 χ^2/NDF:12.3/7

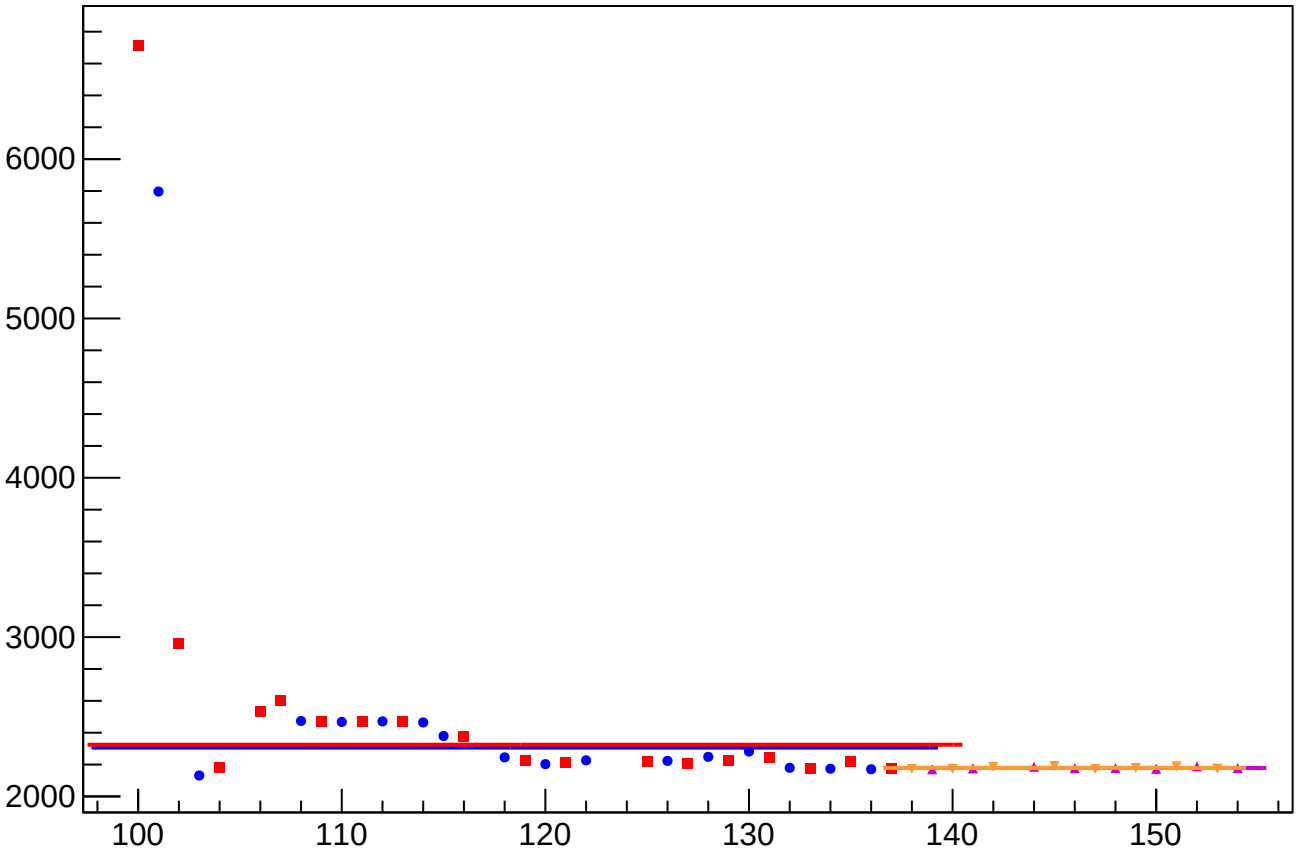
Left: -1148.397+/-598.931 χ^2/NDF: 20.4/15

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

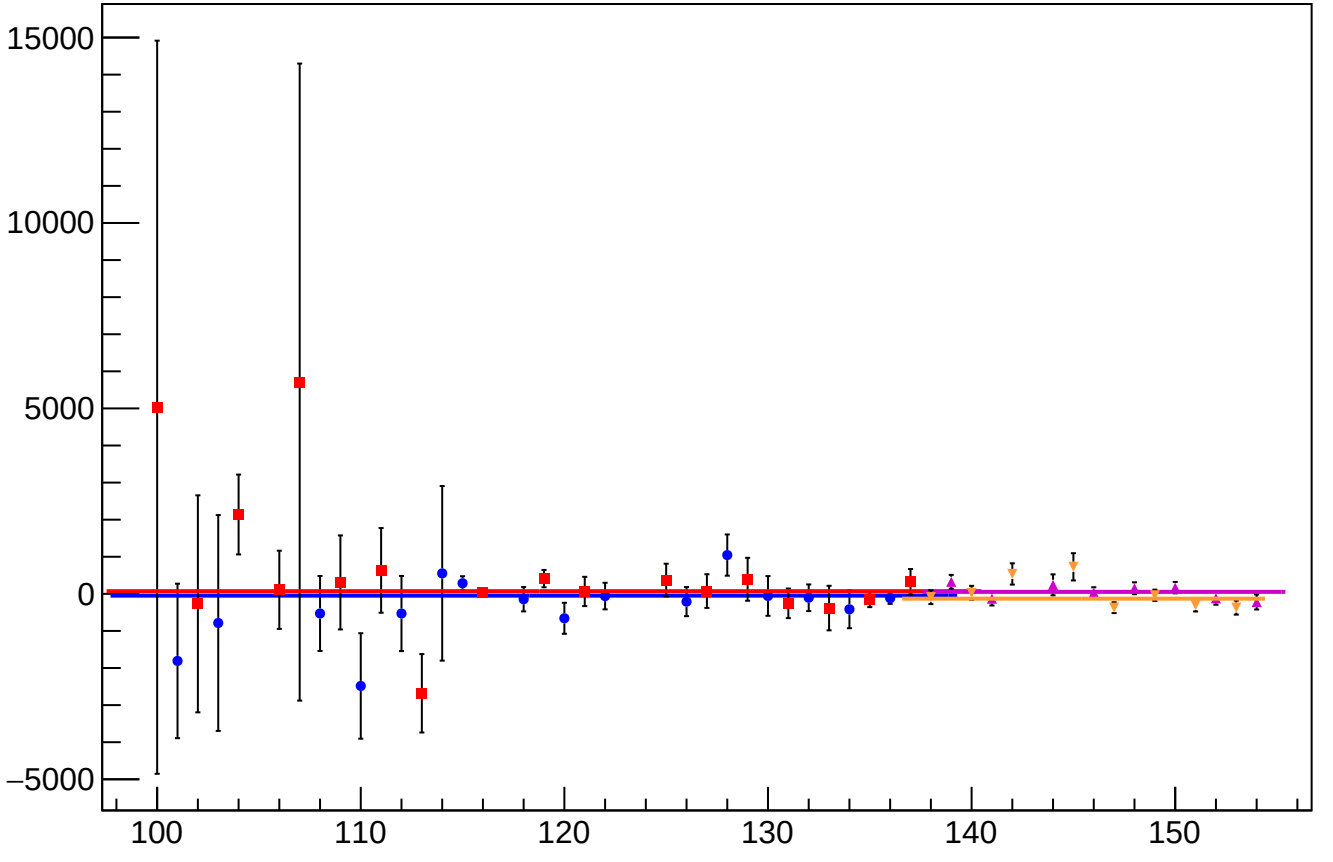
In: -1199.508+/-598.425 χ^2/NDF:28.6/23

Out: -696.365+/-616.444 χ^2/NDF:20.3/25

All: -955.398+/-429.379 χ^2/NDF: 49.3/49


eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 2306.643+/-0.617 χ²/NDF: 514150.6/15
Left Out: 2178.867+/-0.618 χ²/NDF:140.9/7
Right Out: 2324.685+/-0.615 χ²/NDF: 153578.5/17
Left In: 2178.684+/-0.581 χ²/NDF:93.5/7
Left: 2178.770+/-0.424 χ²/NDF: 234.4/15
Right: 2315.698+/-0.436 χ²/NDF: 668158.1/33
In: 2238.858+/-0.423 χ²/NDF:537024.2/23
Out: 2252.182+/-0.436 χ²/NDF:181695.5/25
All: 2245.323+/-0.304 χ²/NDF: 719200.8/49

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: 53.303+/-61.812 χ^2/NDF:7.4/7

Left: -31.886+/-45.180 χ^2/NDF: 28.8/15

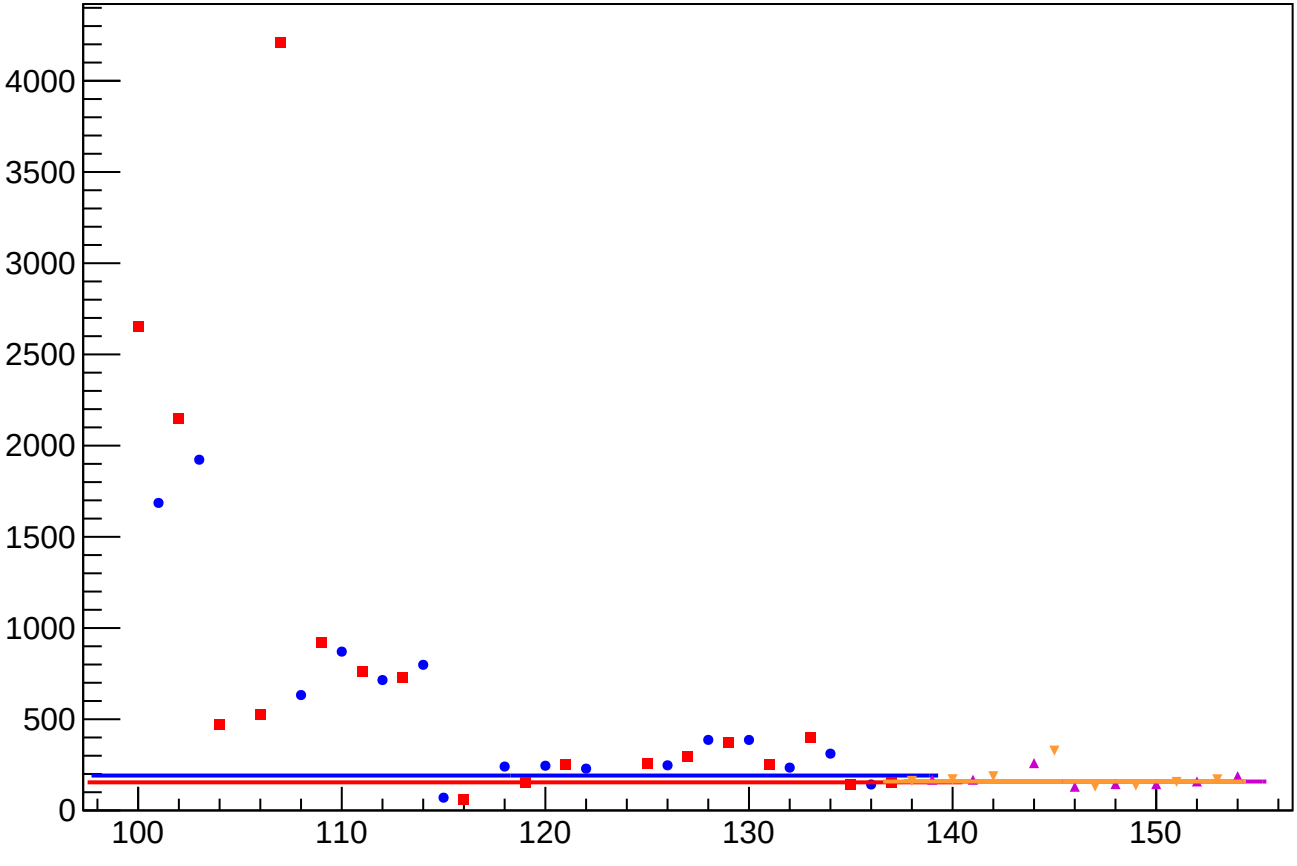
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.294+/-51.117 χ^2/NDF:22.6/23

Out: -50.353+/-51.590 χ^2/NDF:38.4/25

All: -14.200+/-36.311 χ^2/NDF: 61.9/49

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: 158.580+/-0.044 χ^2/NDF:424089.3/7

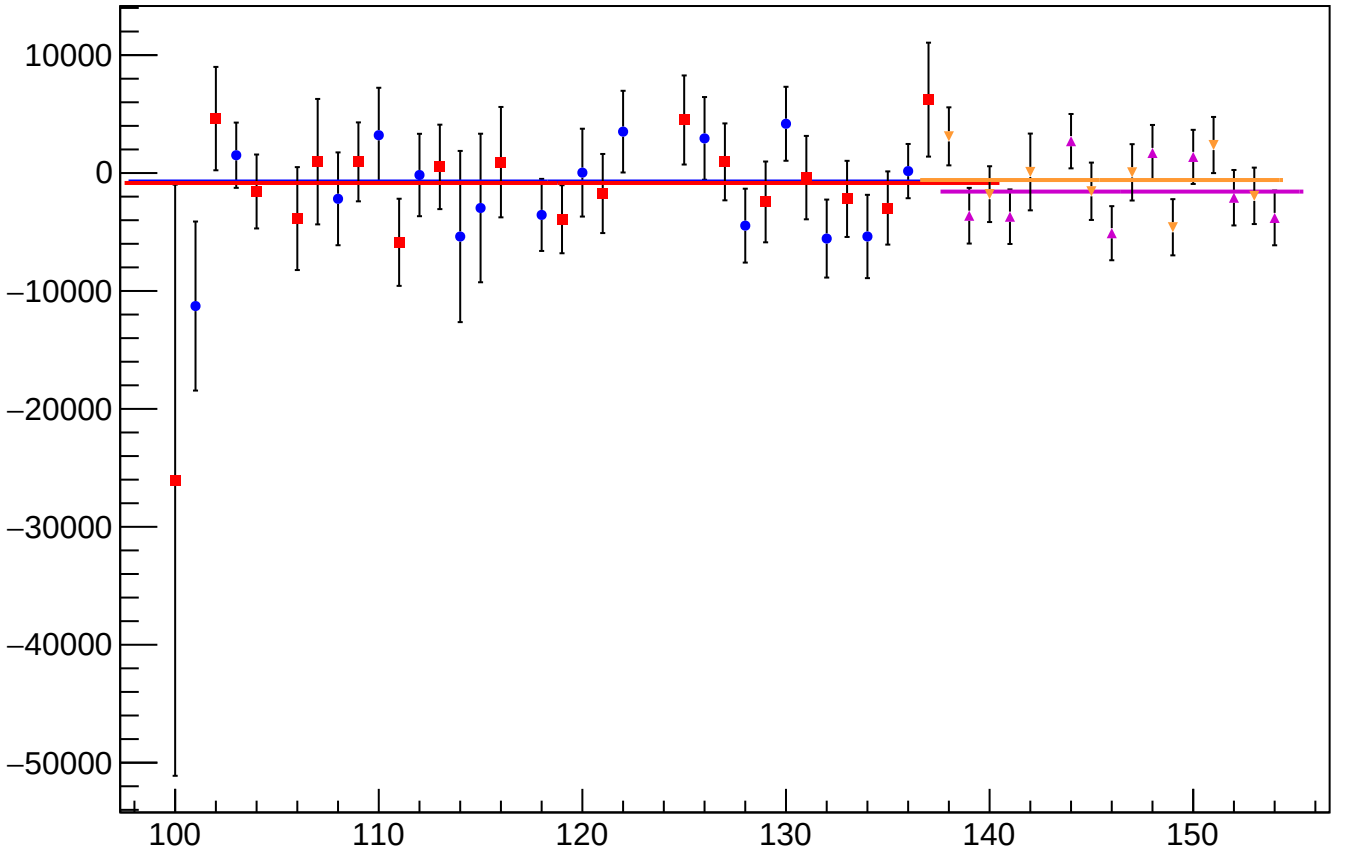
Left: 158.649+/-0.032 χ^2/NDF: 1001801.1/15

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 168.956+/-0.036 χ^2/NDF:5665983.9/23

Out: 156.919+/-0.036 χ^2/NDF:6690175.5/25

All: 162.993+/-0.026 χ^2/NDF: 12411095.3/49



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: -1573.275+/-822.497 χ^2/NDF:11.9/7

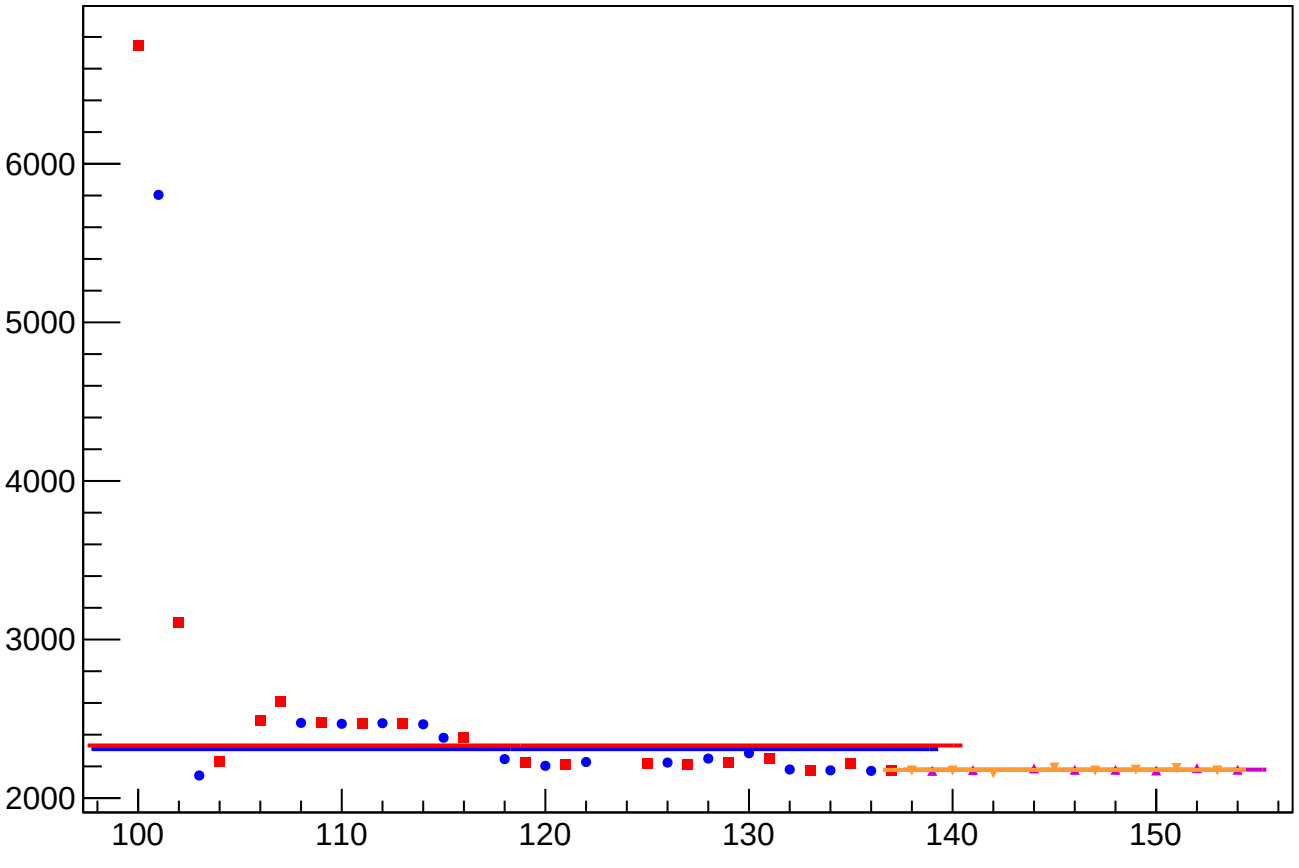
Left: -1112.525+/-598.927 χ^2/NDF: 20.1/15

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -1170.948+/-598.825 χ^2/NDF:28.3/23

Out: -717.337+/-617.813 χ^2/NDF:19.7/25

All: -951.220+/-429.990 χ^2/NDF: 48.3/49



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: 2179.469+/-0.582 χ^2/NDF:90.8/7

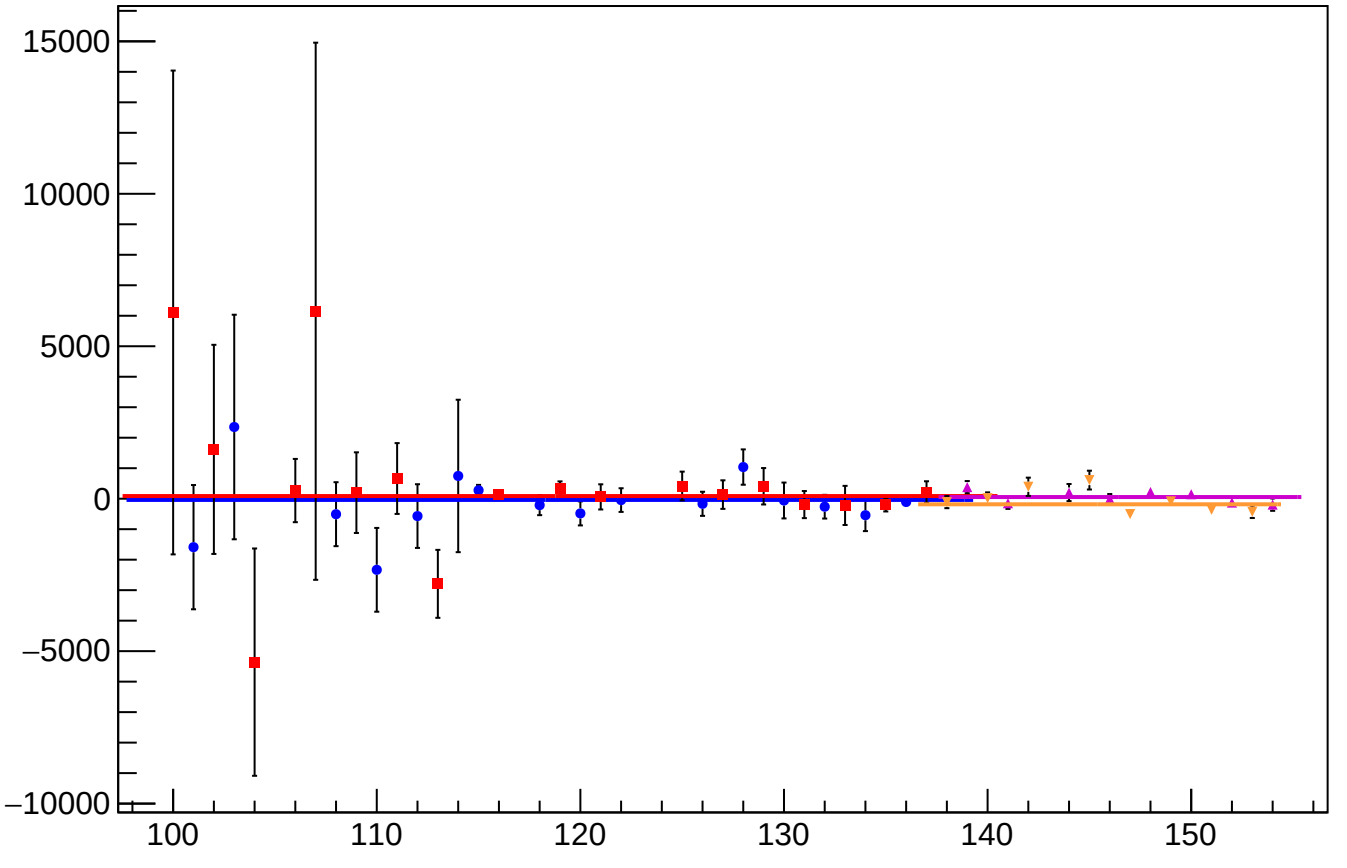
Left: 2178.561+/-0.424 χ^2/NDF: 324.6/15

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2240.217+/-0.423 χ^2/NDF:537049.5/23

Out: 2254.716+/-0.437 χ^2/NDF:198743.8/25

All: 2247.241+/-0.304 χ^2/NDF: 736361.2/49



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: 54.273+/-63.244 χ^2/NDF:8.5/7

Left: -57.695+/-46.028 χ^2/NDF: 34.1/15

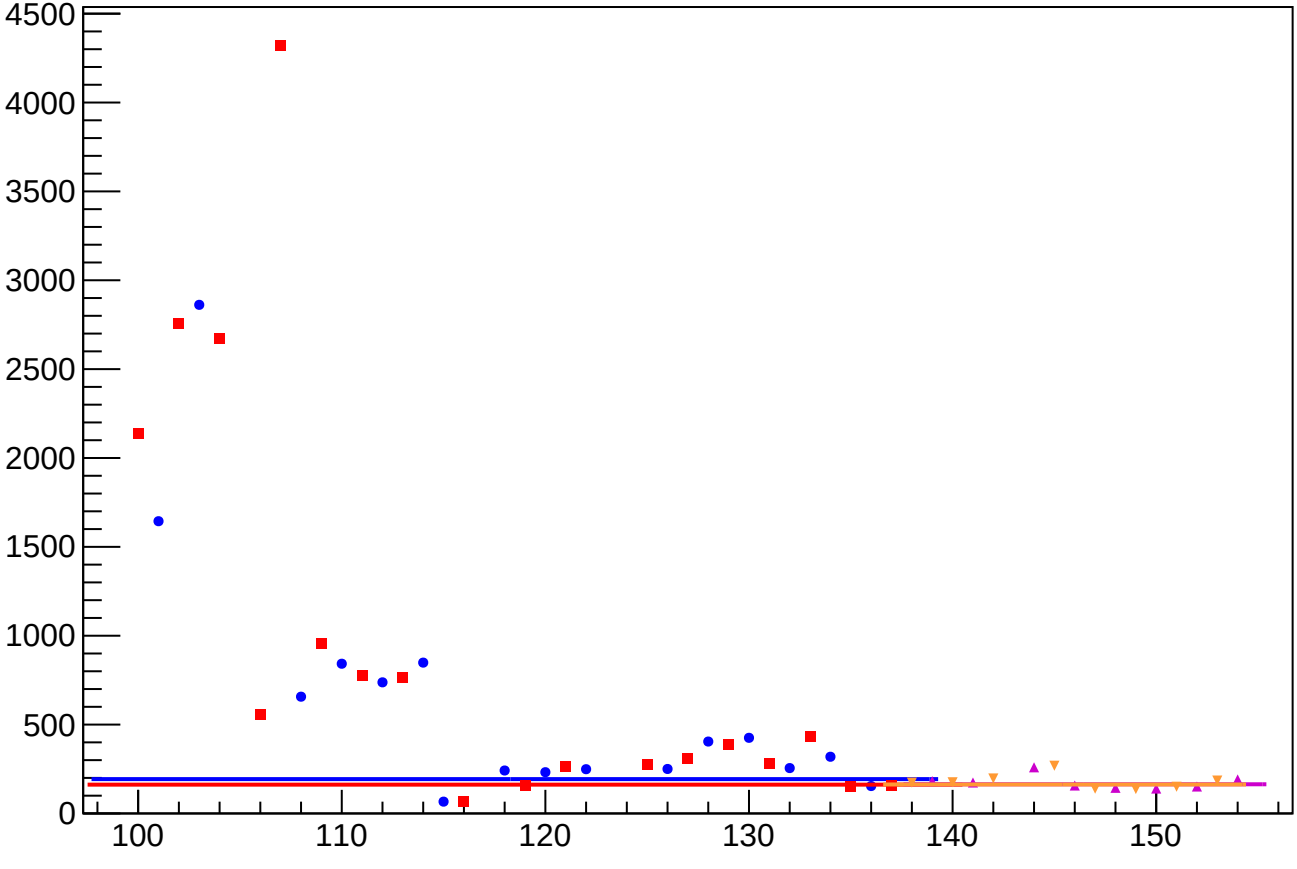
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 24.163+/-52.191 χ^2/NDF:23.3/23

Out: -81.658+/-52.931 χ^2/NDF:40.1/25

All: -28.003+/-37.164 χ^2/NDF: 65.3/49

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 163.053+/-0.047 χ^2/NDF:414685.0/7

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 164.184+/-0.045 χ^2/NDF:389695.1/7

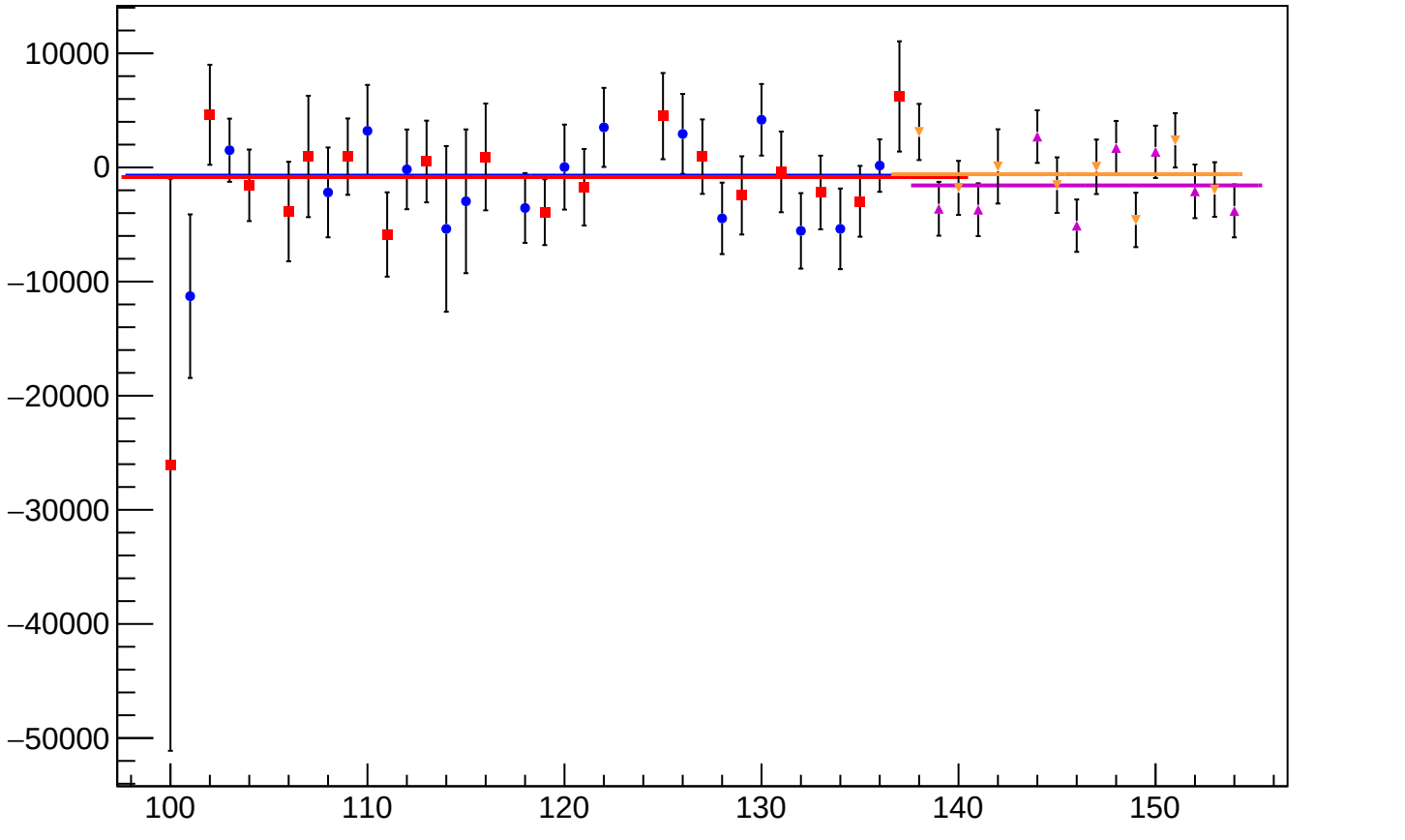
Left: 163.652+/-0.033 χ^2/NDF: 804681.3/15

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 173.457+/-0.037 χ^2/NDF:6142338.2/23

Out: 162.698+/-0.037 χ^2/NDF:7485321.9/25

All: 168.153+/-0.026 χ^2/NDF: 13669563.1/49



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: -1573.275+/-822.497 χ^2/NDF:11.9/7

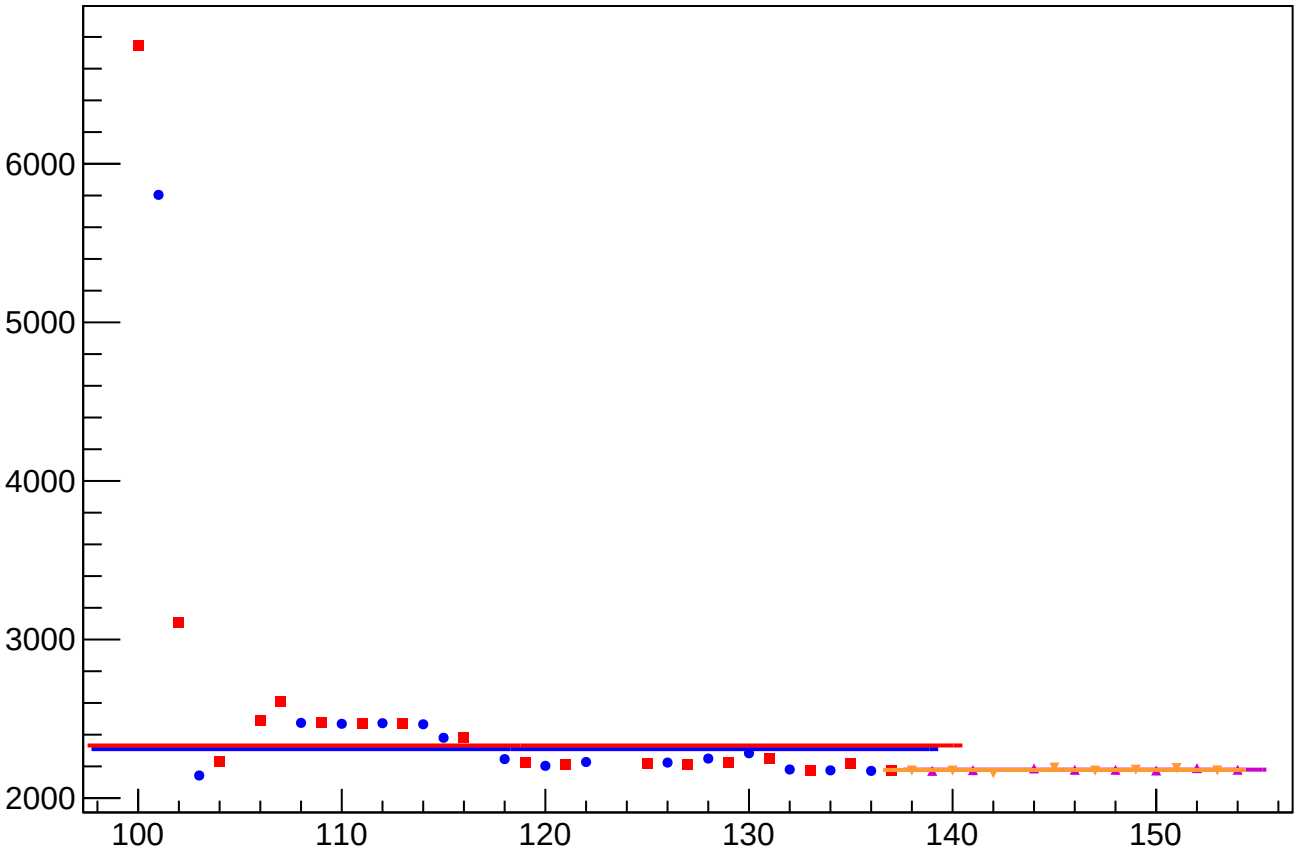
Left: -1112.526+/-598.927 χ^2/NDF: 20.1/15

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -1170.948+/-598.825 χ^2/NDF:28.3/23

Out: -717.339+/-617.813 χ^2/NDF:19.7/25

All: -951.221+/-429.990 χ^2/NDF: 48.3/49



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: 2179.469+/-0.582 χ^2/NDF:90.8/7

Left: 2178.561+/-0.424 χ^2/NDF: 324.6/15

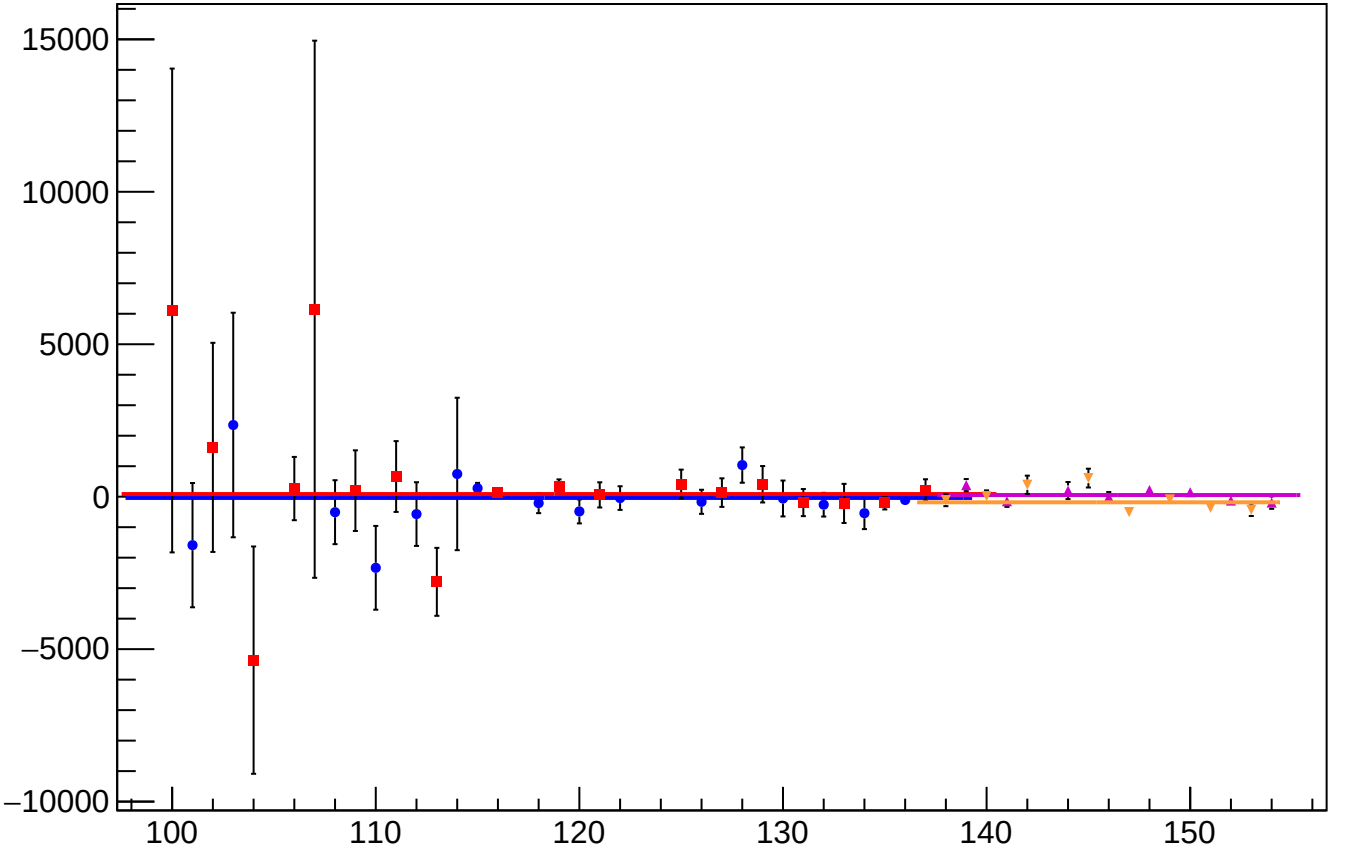
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2240.217+/-0.423 χ^2/NDF:537049.5/23

Out: 2254.716+/-0.437 χ^2/NDF:198743.7/25

All: 2247.241+/-0.304 χ^2/NDF: 736361.1/49

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -183.796+/-67.117 χ^2/NDF:19.0/7

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 54.270+/-63.244 χ^2/NDF:8.5/7

Left: -57.697+/-46.029 χ^2/NDF: 34.1/15

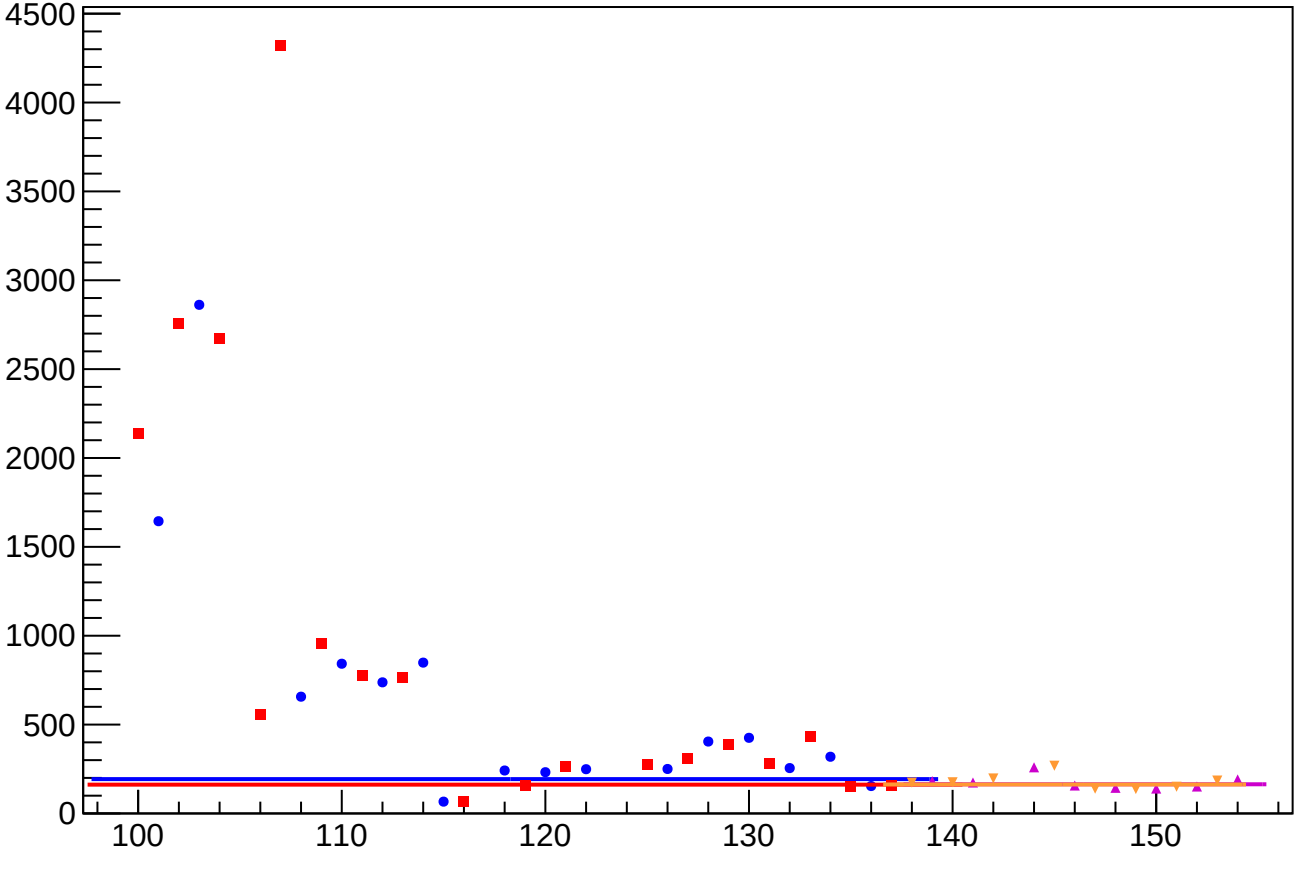
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 24.162+/-52.191 χ^2/NDF:23.3/23

Out: -81.657+/-52.931 χ^2/NDF:40.1/25

All: -28.003+/-37.164 χ^2/NDF: 65.3/49

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: 164.185+/-0.045 χ^2/NDF:389684.8/7

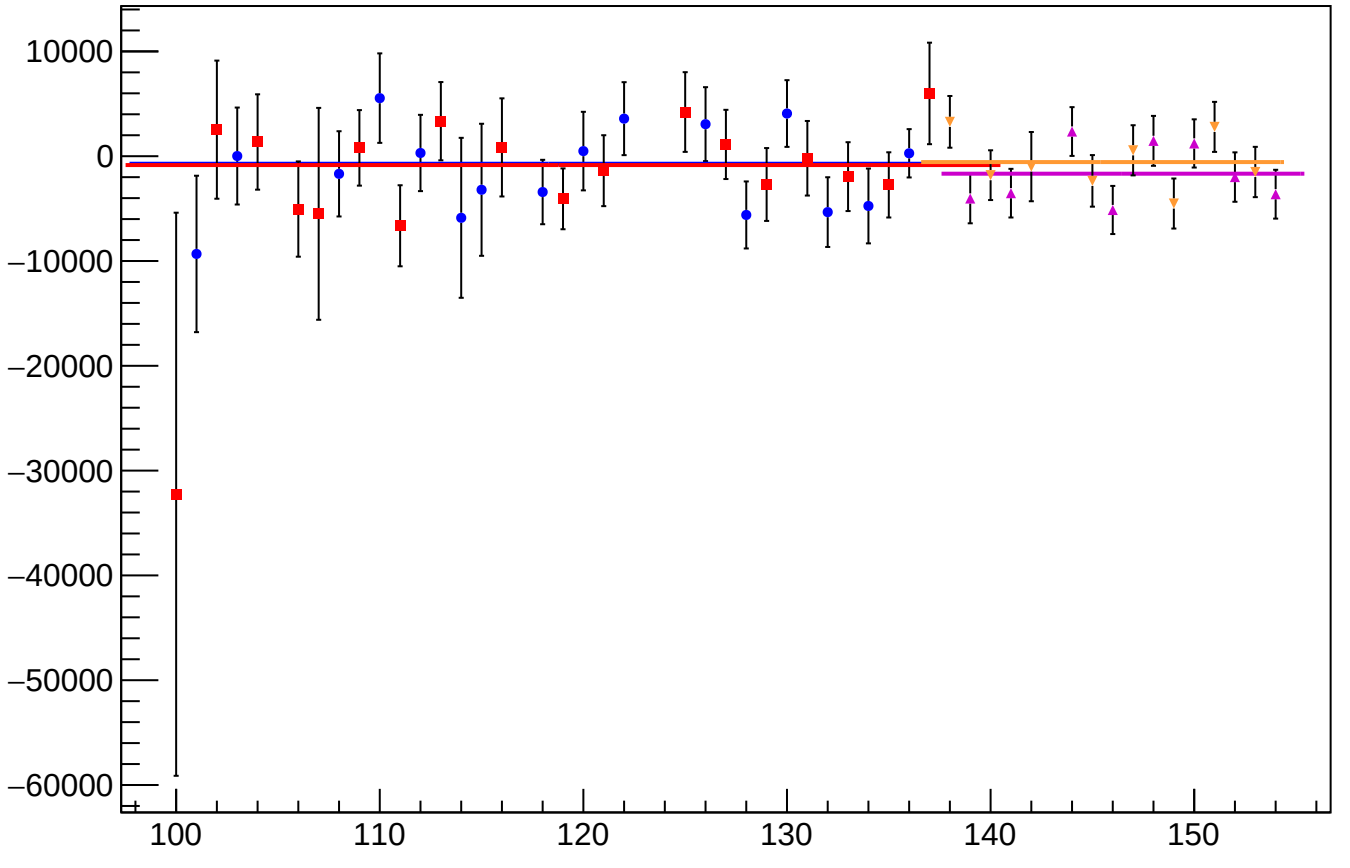
Left: 163.653+/-0.033 χ^2/NDF: 804657.7/15

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 173.457+/-0.037 χ^2/NDF:6142340.0/23

Out: 162.698+/-0.037 χ^2/NDF:7485368.6/25

All: 168.153+/-0.026 χ^2/NDF: 13669612.8/49



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: -1668.947+/-825.371 χ^2/NDF:10.9/7

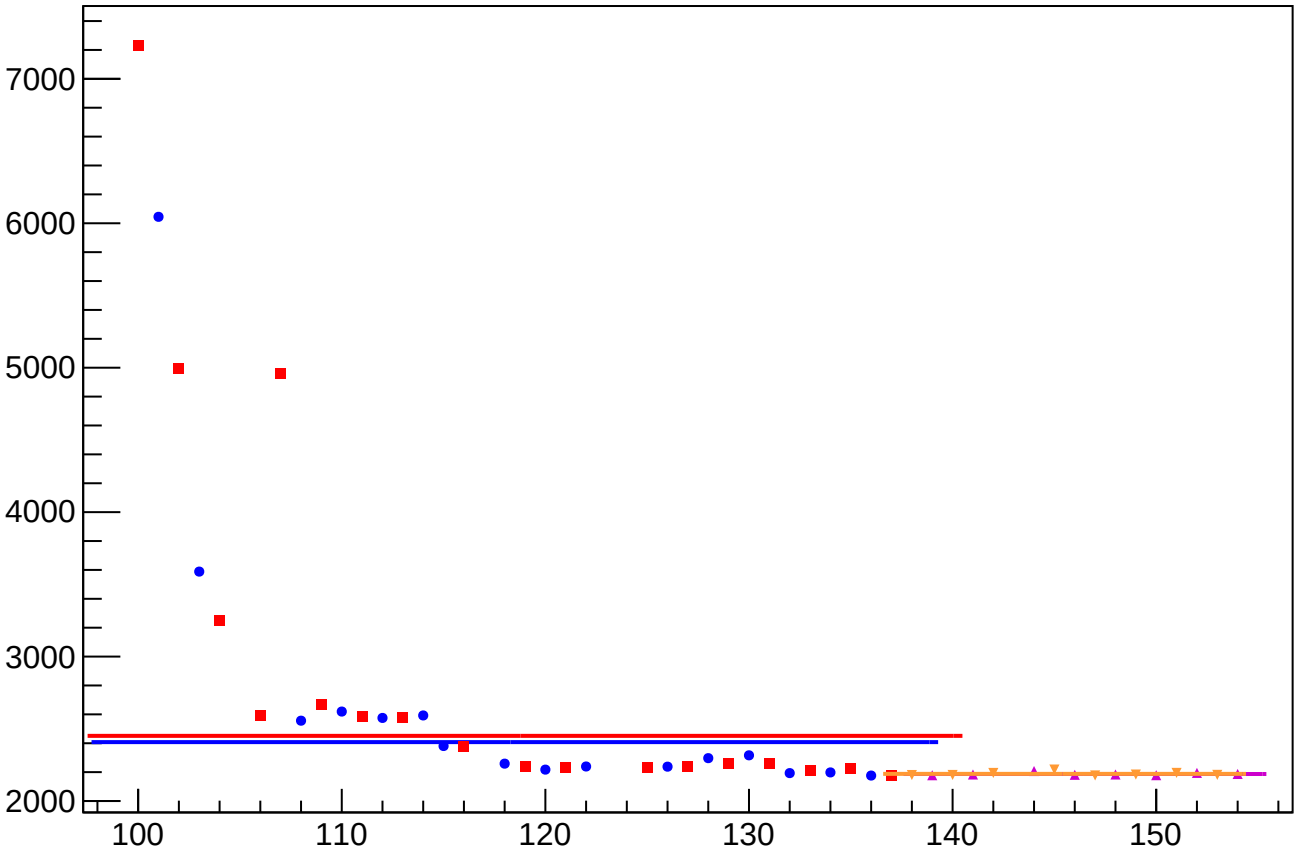
Left: -1148.751+/-601.338 χ^2/NDF: 20.1/15

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1243.650+/-613.238 χ^2/NDF:27.3/23

Out: -694.528+/-637.972 χ^2/NDF:21.3/25

All: -979.939+/-442.111 χ^2/NDF: 49.0/49



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: 2187.065+/-0.584 χ^2/NDF:250.5/7

Left: 2187.505+/-0.425 χ^2/NDF: 678.9/15

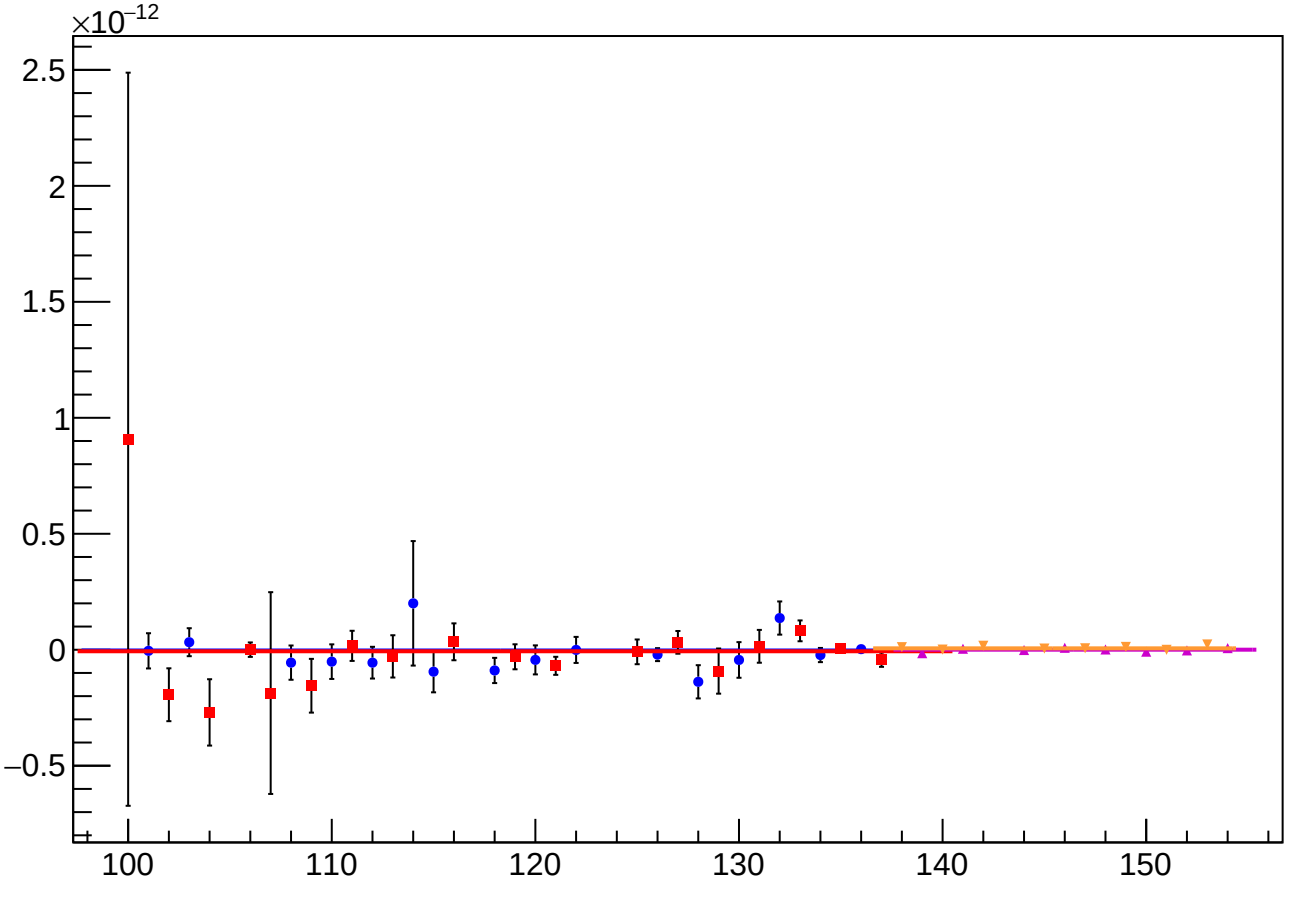
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2285.946+/-0.434 χ^2/NDF:741219.4/23

Out: 2312.201+/-0.451 χ^2/NDF:718851.7/25

All: 2298.554+/-0.313 χ^2/NDF: 1461831.7/49

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:8.2/7

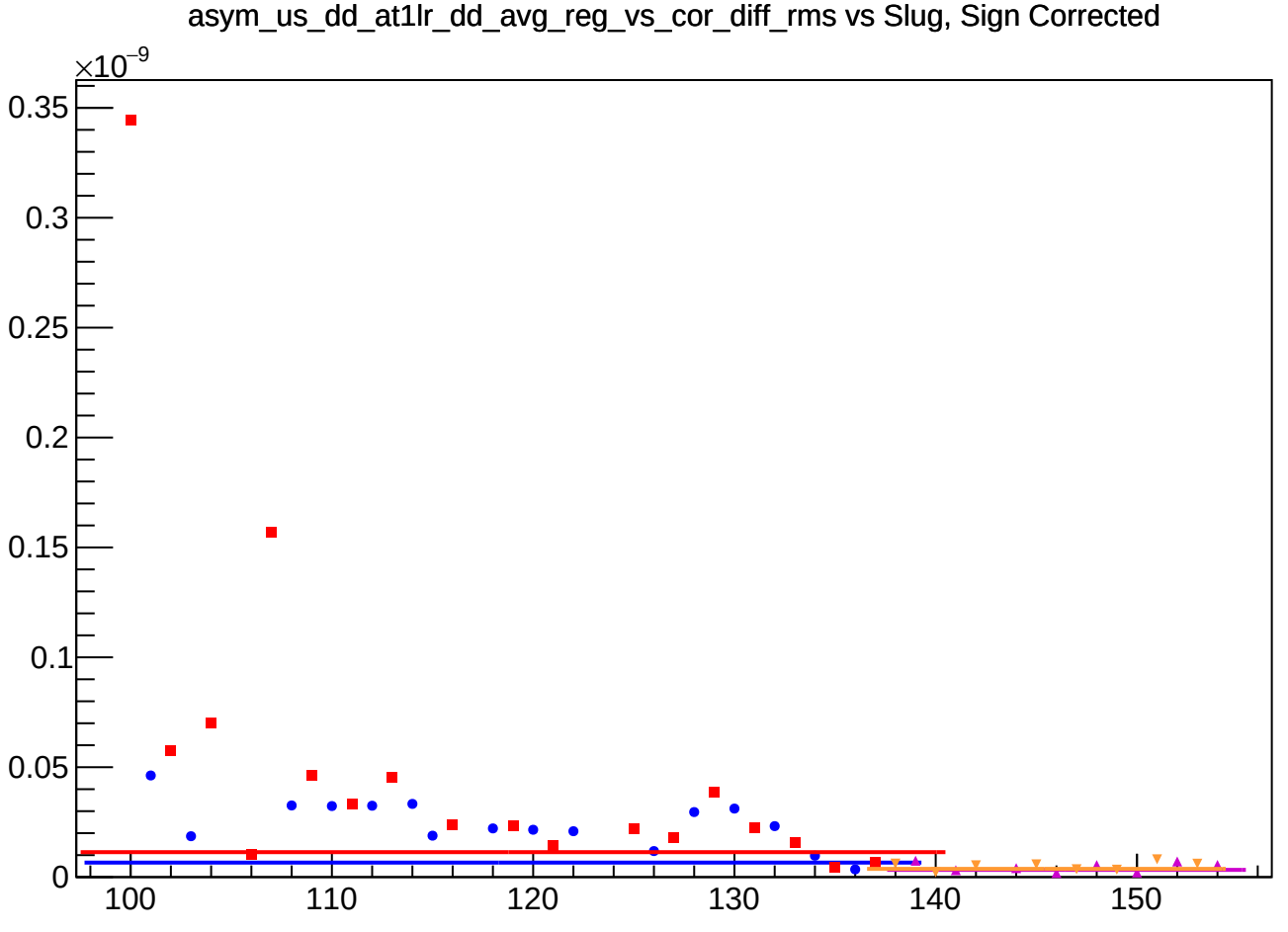
Left: 0.000+/-0.000 χ^2/NDF: 16.5/15

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:24.0/23

Out: 0.000+/-0.000 χ^2/NDF:26.2/25

All: 0.000+/-0.000 χ^2/NDF: 52.6/49



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:876851.6/7

Left: 0.000+/-0.000 χ^2/NDF: 1758177.7/15

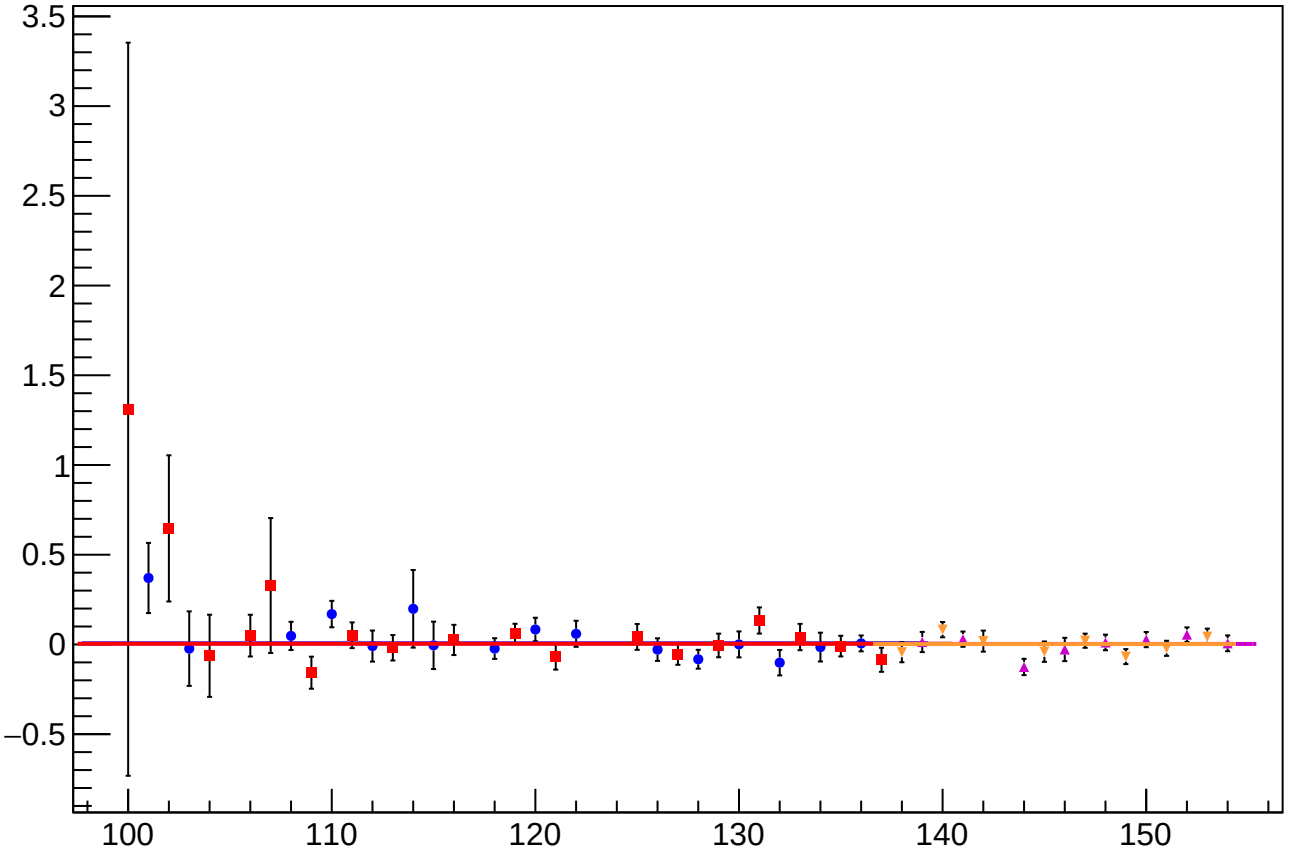
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4211362.7/23

Out: 0.000+/-0.000 χ^2/NDF:4675566.1/25

All: 0.000+/-0.000 χ^2/NDF: 8934139.2/49

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: 0.003+/-0.016 χ^2/NDF:10.7/7

Left: 0.002+/-0.012 χ^2/NDF: 19.7/15

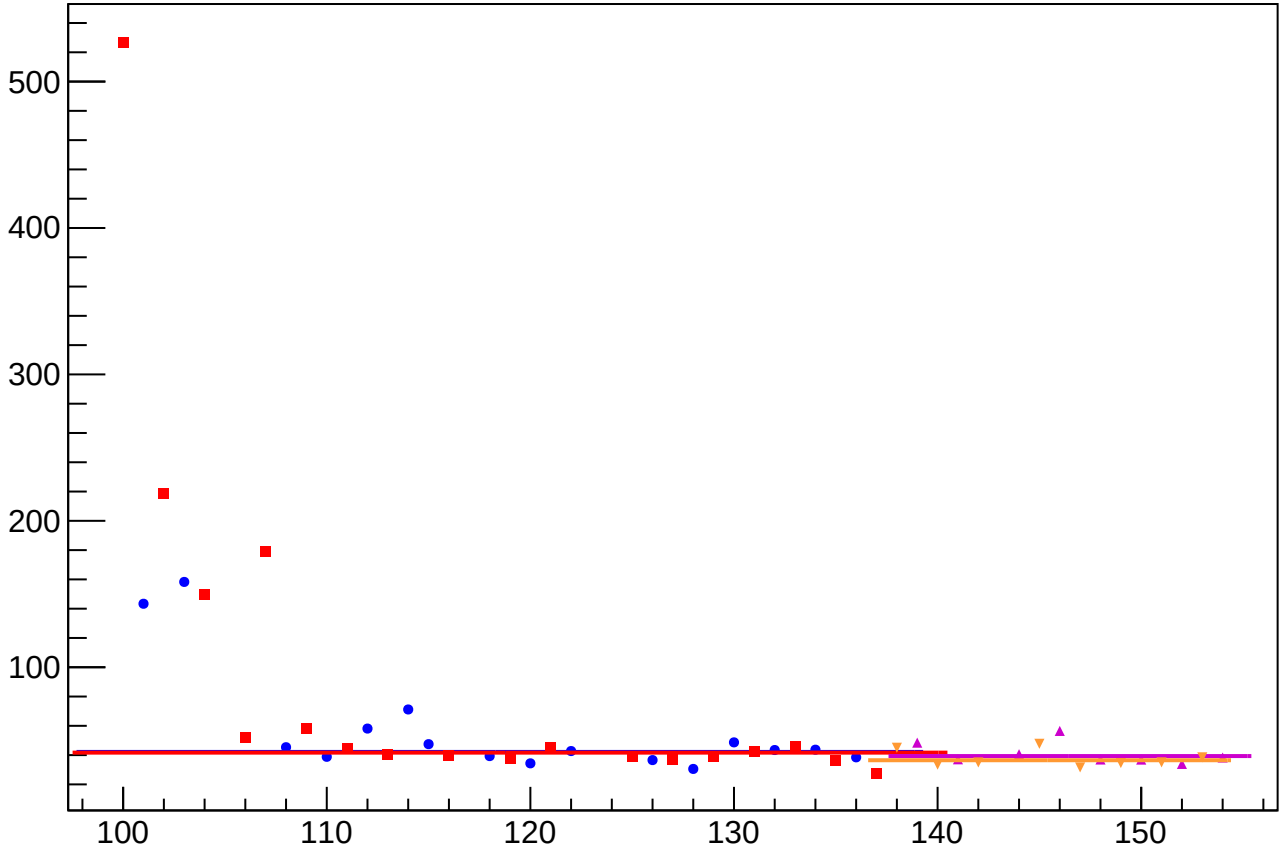
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.012 χ^2/NDF:27.9/23

Out: 0.003+/-0.012 χ^2/NDF:25.3/25

All: 0.004+/-0.009 χ^2/NDF: 53.2/49

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: 39.345+/-0.011 χ^2/NDF:248305.6/7

Left: 37.932+/-0.008 χ^2/NDF: 456735.7/15

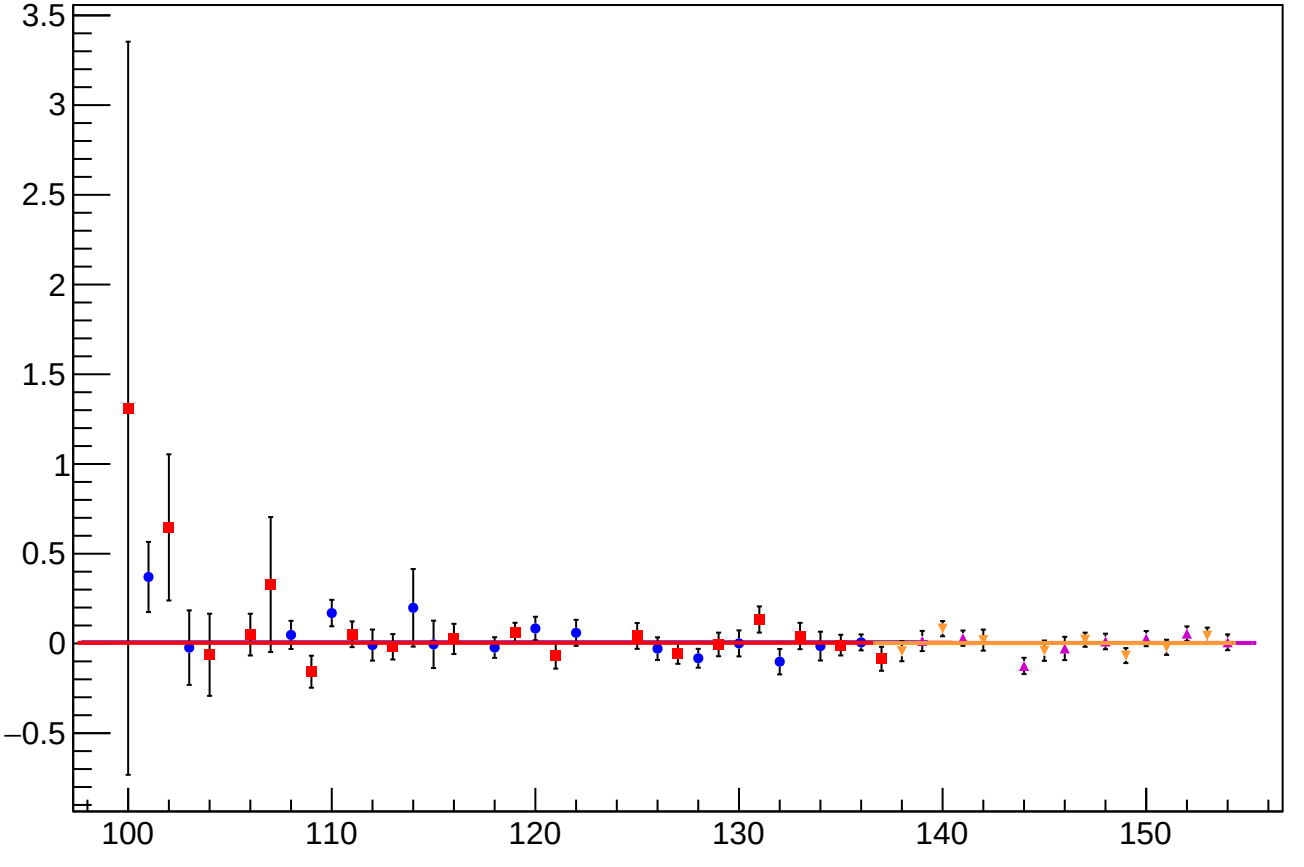
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.588+/-0.009 χ^2/NDF:1729368.5/23

Out: 38.762+/-0.009 χ^2/NDF:1707128.7/25

All: 39.687+/-0.006 χ^2/NDF: 3458900.4/49

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: 0.003+/-0.016 χ^2/NDF:10.7/7

Left: 0.002+/-0.012 χ^2/NDF: 19.7/15

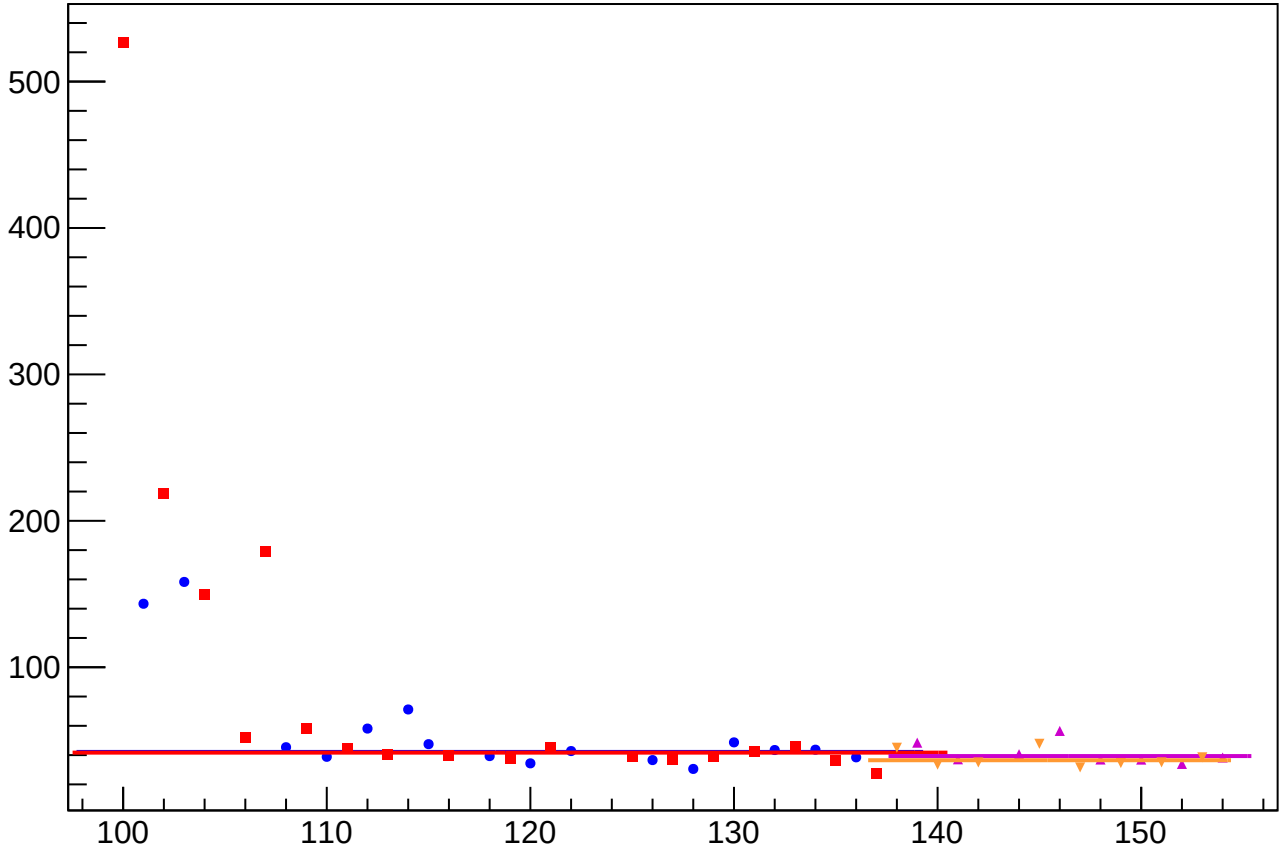
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.012 χ^2/NDF:27.9/23

Out: 0.003+/-0.012 χ^2/NDF:25.3/25

All: 0.004+/-0.009 χ^2/NDF: 53.2/49

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: 39.345+/-0.011 χ^2/NDF:248305.6/7

Left: 37.932+/-0.008 χ^2/NDF: 456735.7/15

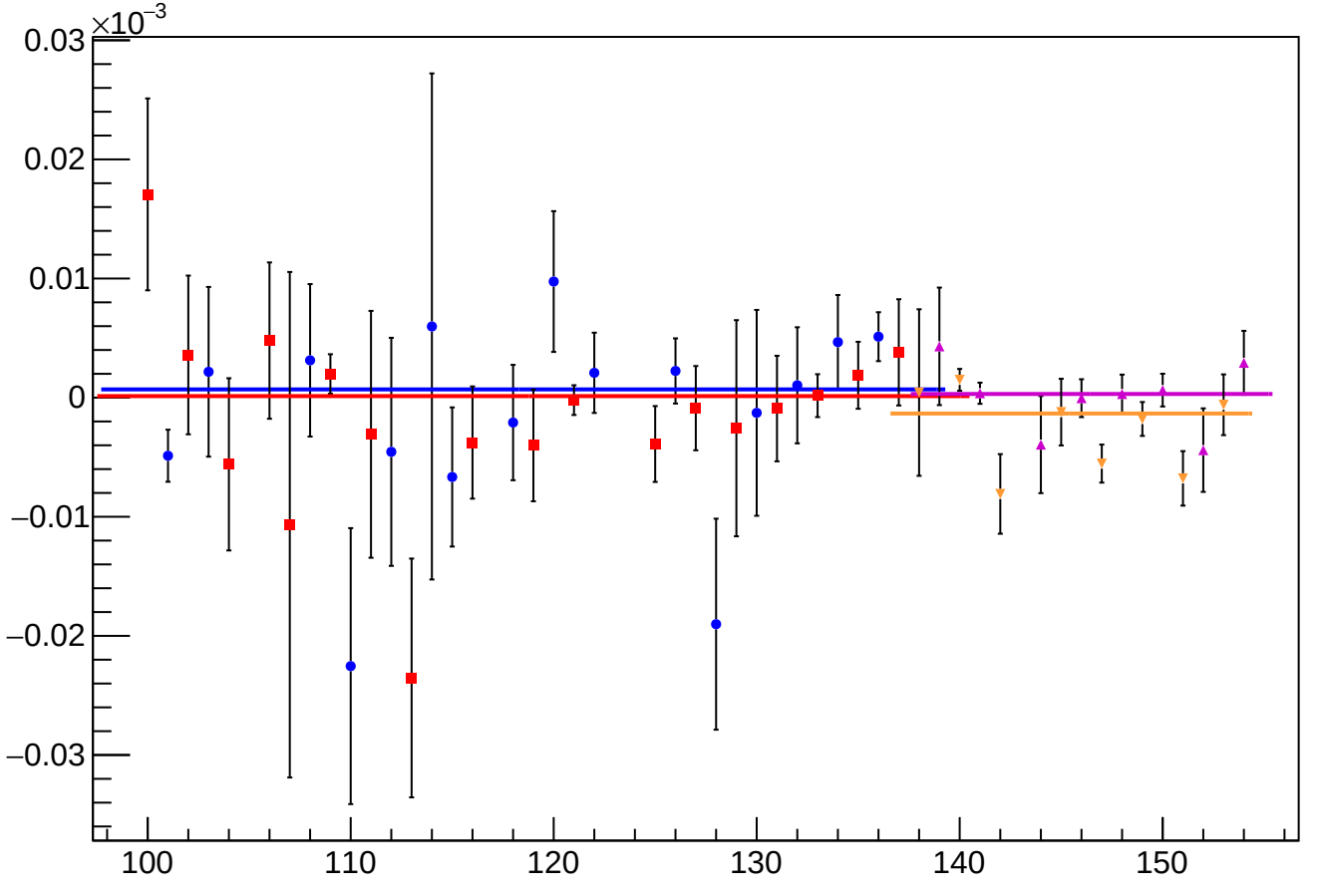
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.588+/-0.009 χ^2/NDF:1729368.5/23

Out: 38.762+/-0.009 χ^2/NDF:1707128.7/25

All: 39.687+/-0.006 χ^2/NDF: 3458900.4/49

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:4.6/7

Left: -0.000+/-0.000 χ^2/NDF: 34.8/15

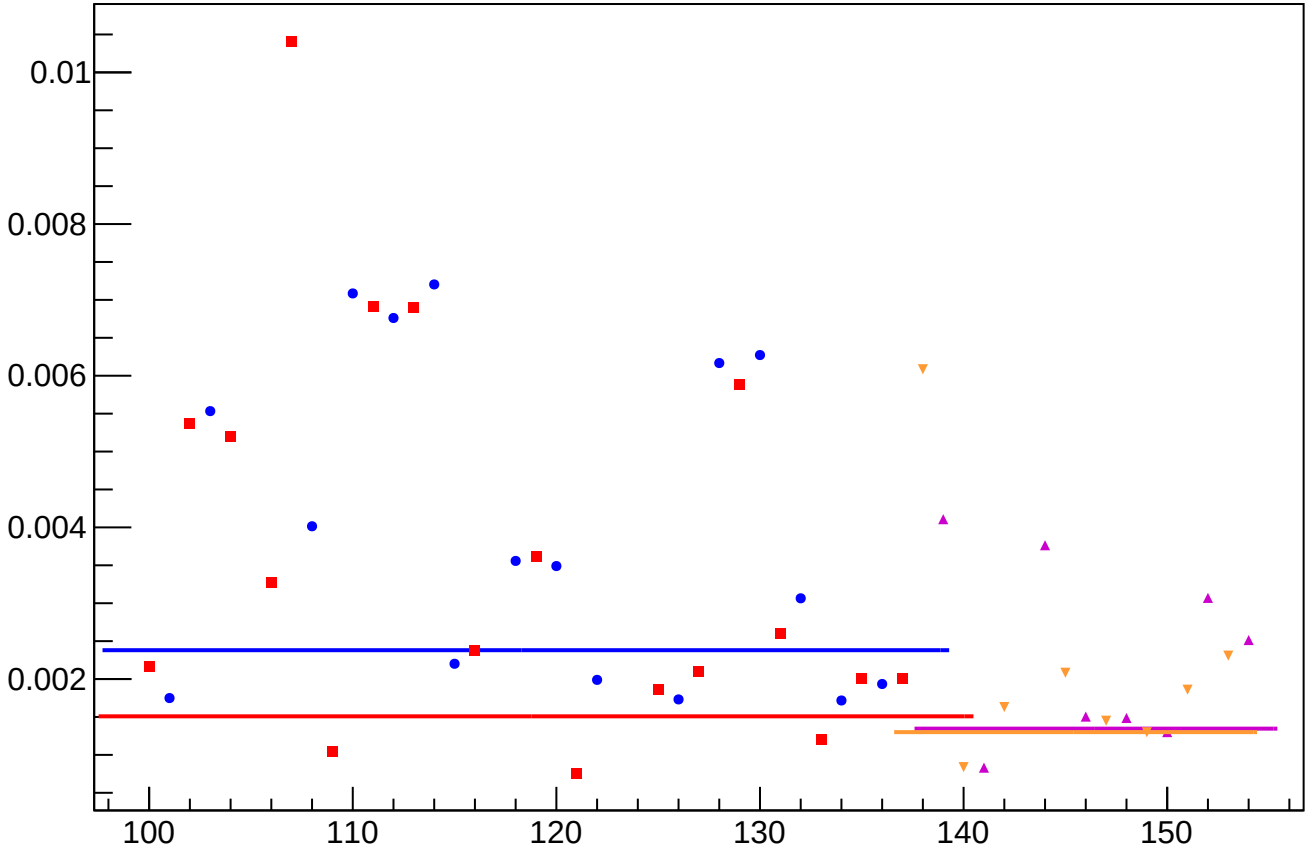
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:31.2/23

Out: -0.000+/-0.000 χ^2/NDF:46.3/25

All: -0.000+/-0.000 χ^2/NDF: 80.1/49

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:2903318.3/7

Left: 0.001+/-0.000 χ^2/NDF: 4979252.9/15

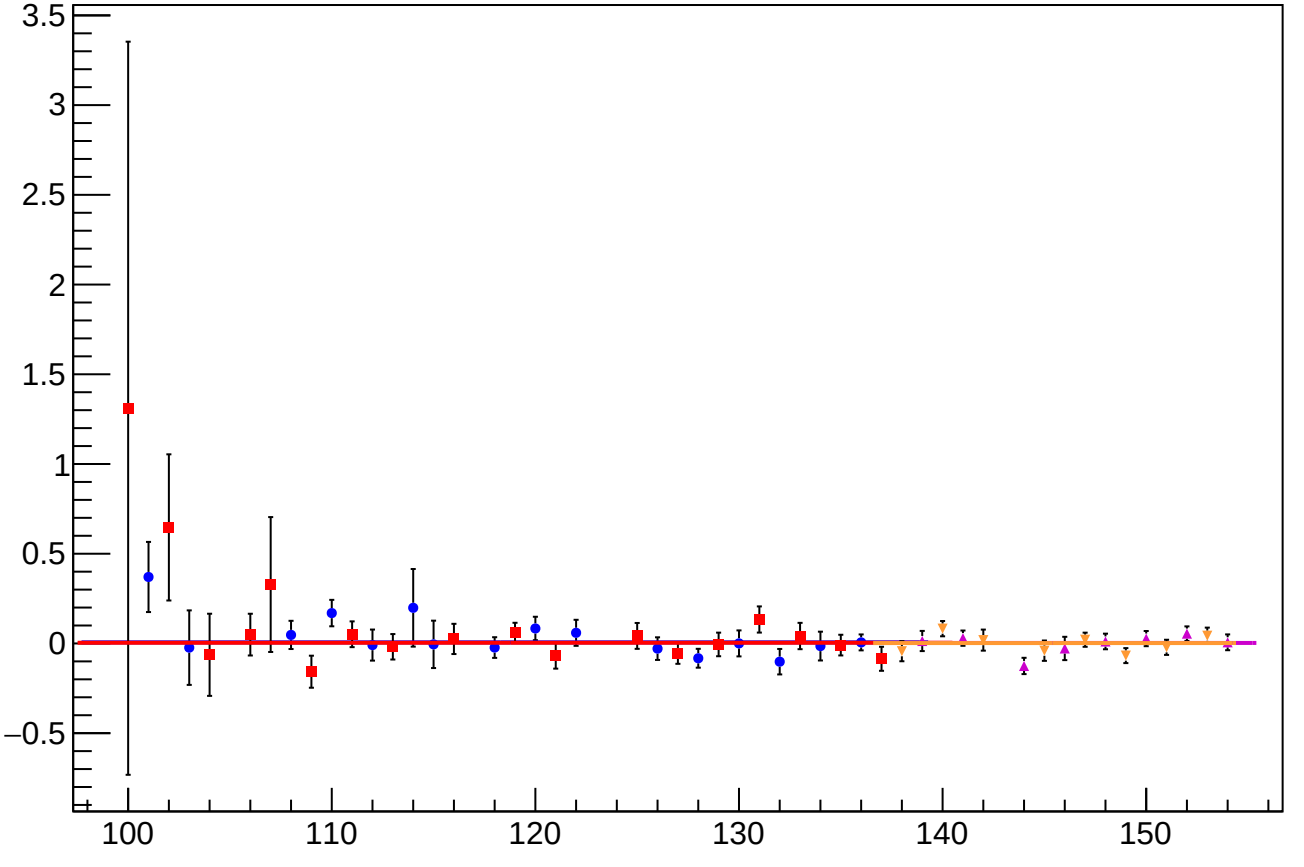
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:7285476.4/23

Out: 0.001+/-0.000 χ^2/NDF:7168703.2/25

All: 0.001+/-0.000 χ^2/NDF: 14652173.7/49

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: 0.003+/-0.016 χ^2/NDF:10.7/7

Left: 0.002+/-0.012 χ^2/NDF: 19.7/15

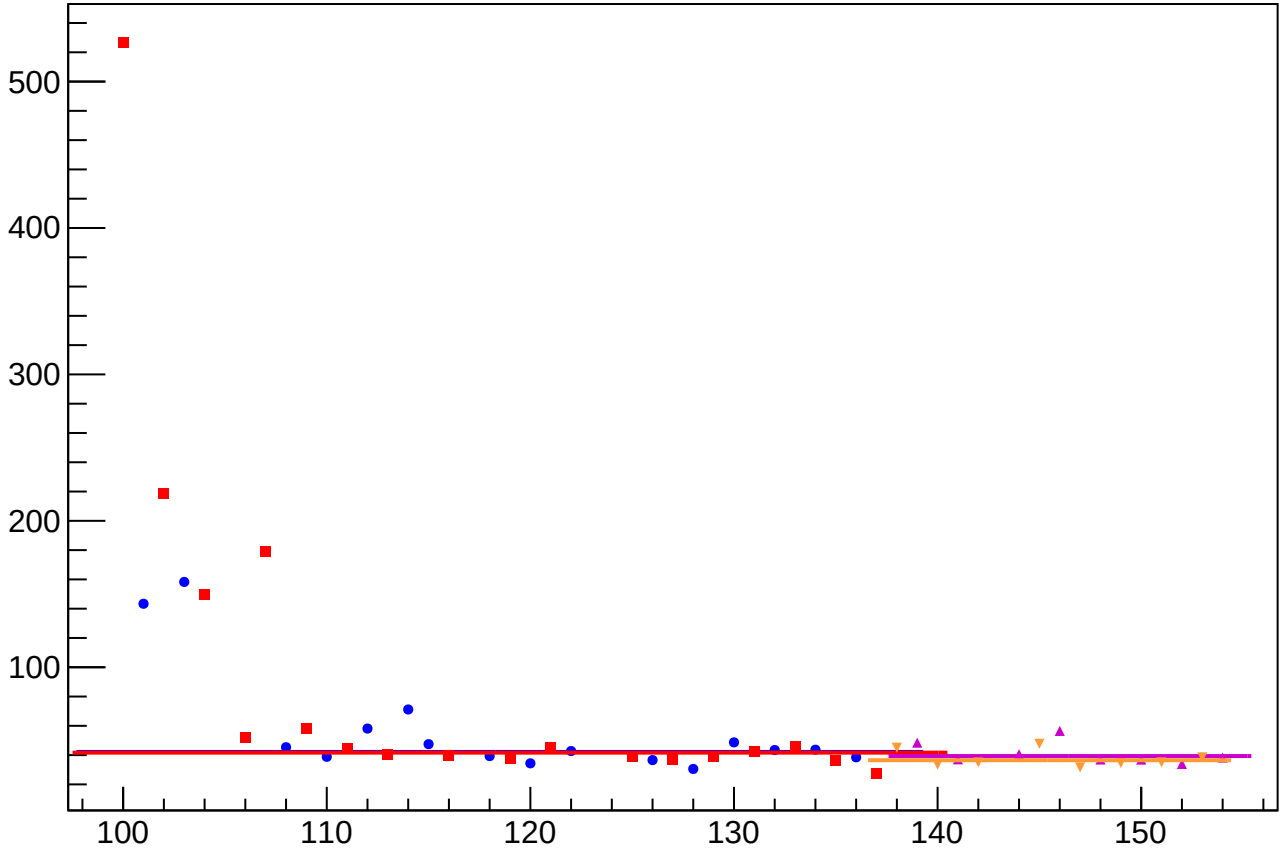
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.012 χ^2/NDF:27.9/23

Out: 0.003+/-0.012 χ^2/NDF:25.3/25

All: 0.004+/-0.009 χ^2/NDF: 53.2/49

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: 39.345+/-0.011 χ^2/NDF:248337.1/7

Left: 37.932+/-0.008 χ^2/NDF: 456732.5/15

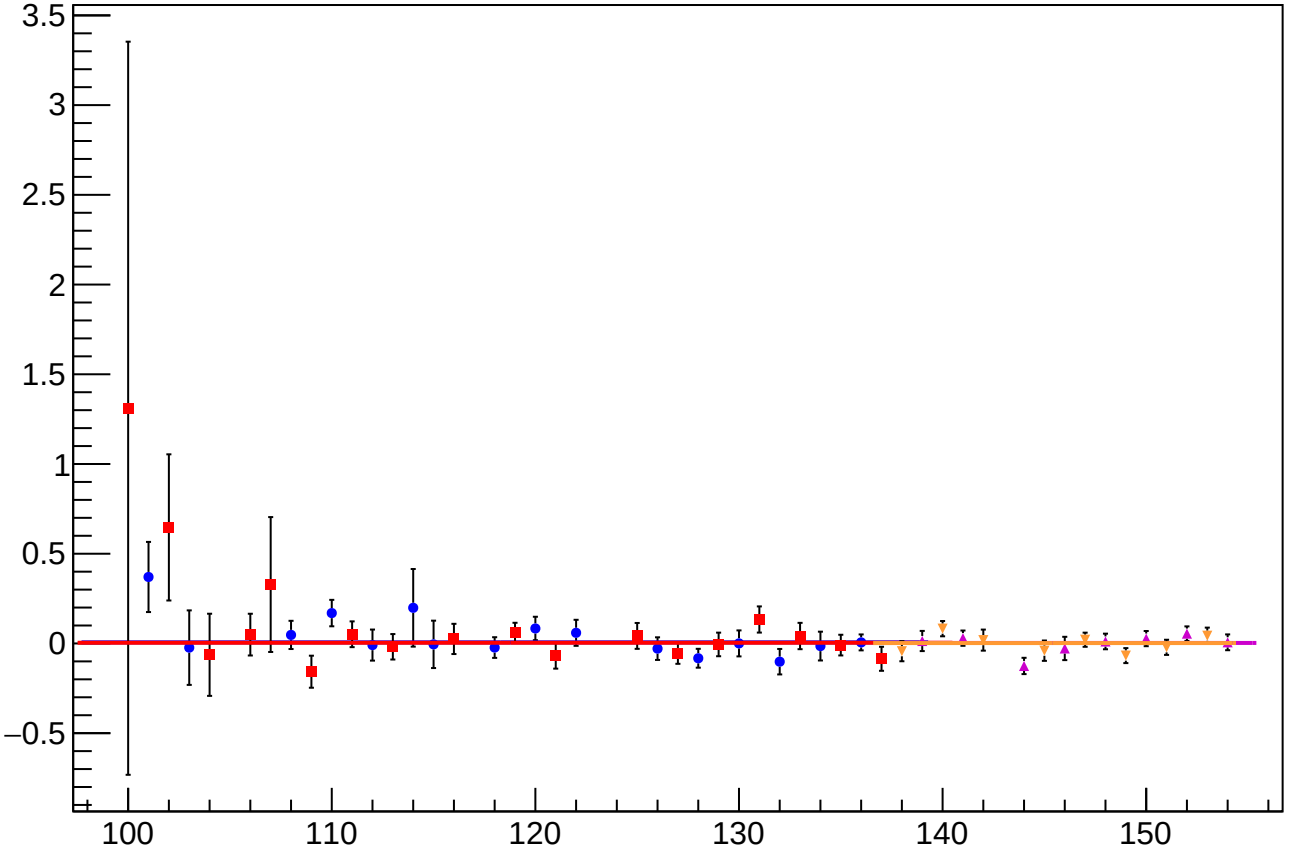
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.587+/-0.009 χ^2/NDF:1729571.8/23

Out: 38.763+/-0.009 χ^2/NDF:1707089.4/25

All: 39.686+/-0.006 χ^2/NDF: 3459028.6/49

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: 0.003+/-0.016 χ^2/NDF:10.7/7

Left: 0.002+/-0.012 χ^2/NDF: 19.7/15

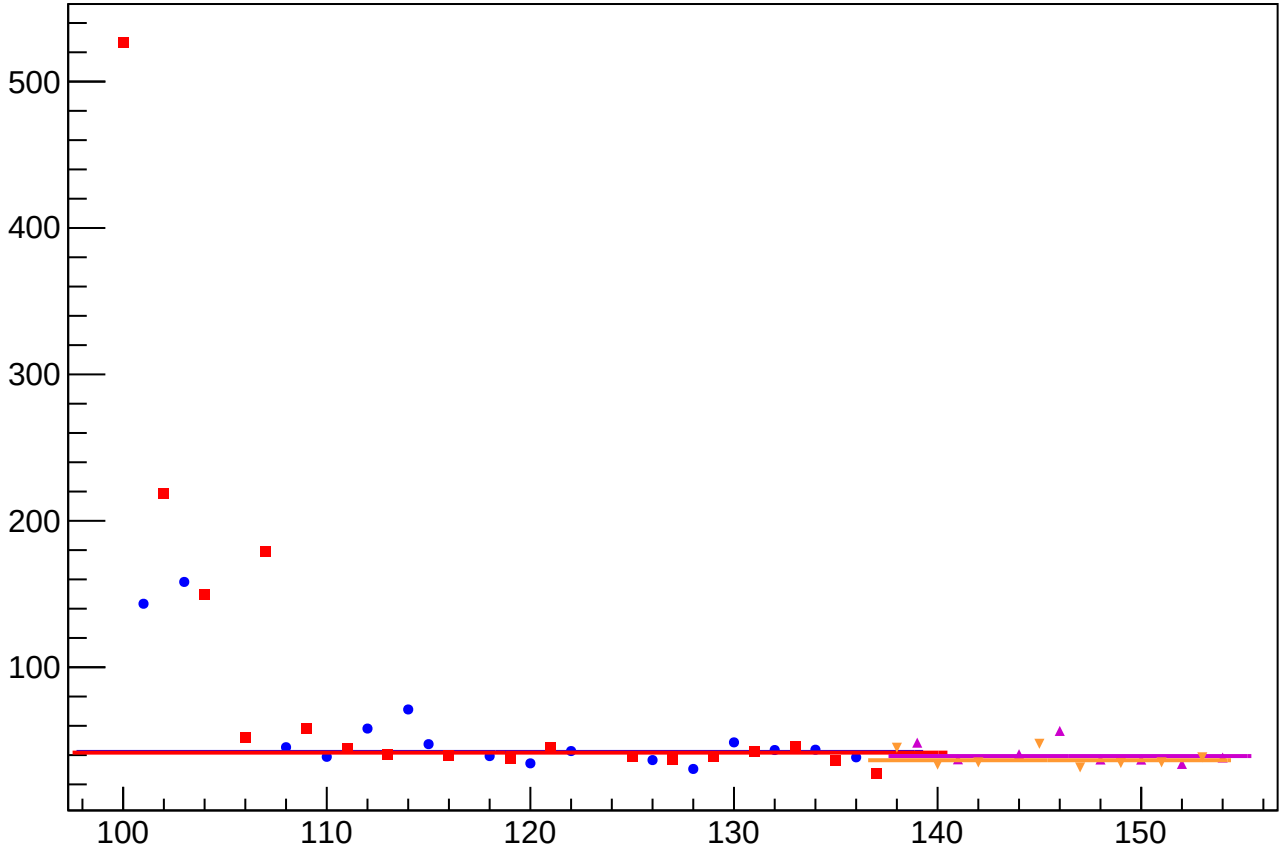
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.012 χ^2/NDF:27.9/23

Out: 0.003+/-0.012 χ^2/NDF:25.3/25

All: 0.004+/-0.009 χ^2/NDF: 53.2/49

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: 39.345+/-0.011 χ^2/NDF:248337.1/7

Left: 37.932+/-0.008 χ^2/NDF: 456732.5/15

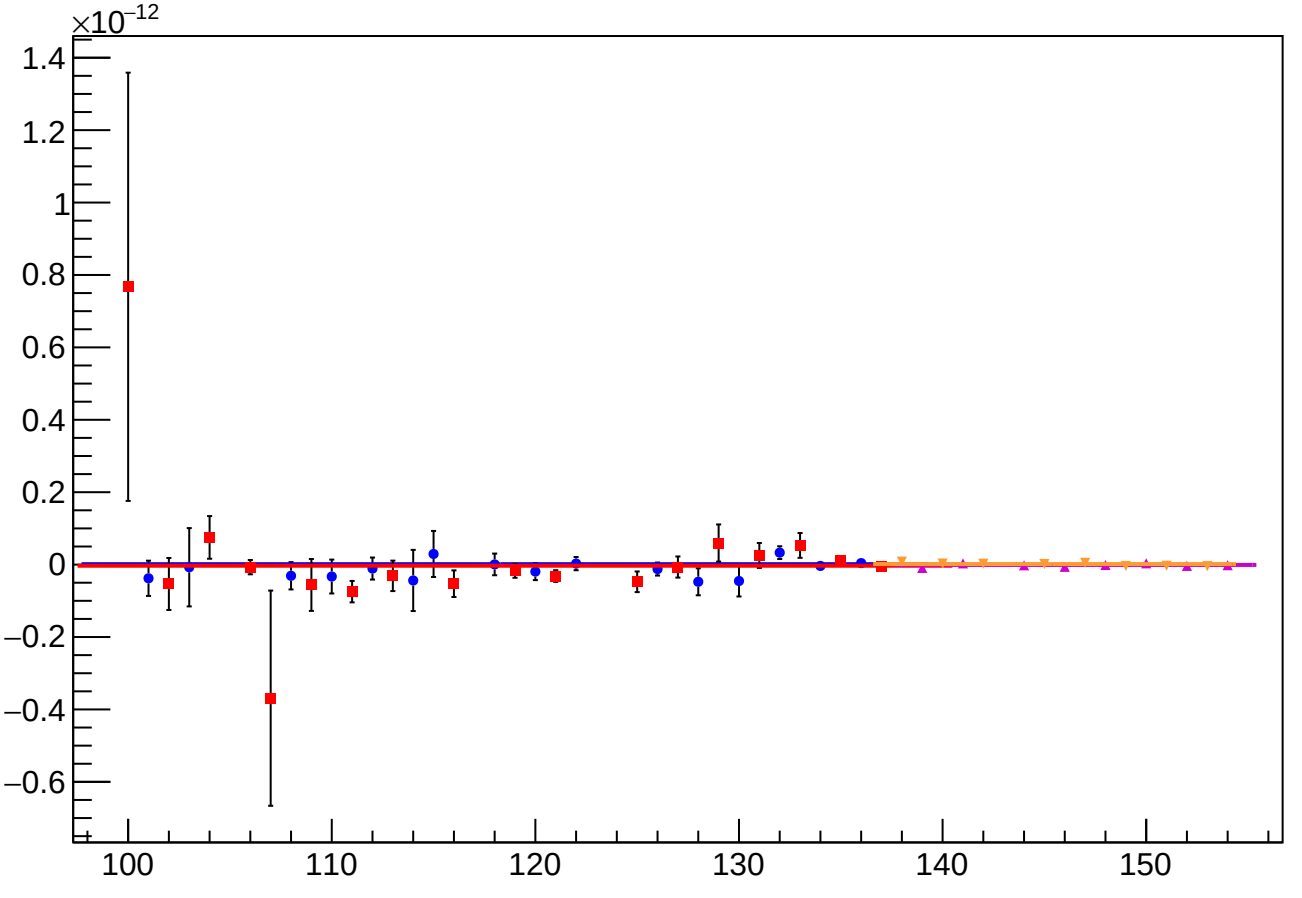
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.587+/-0.009 χ^2/NDF:1729571.8/23

Out: 38.763+/-0.009 χ^2/NDF:1707089.4/25

All: 39.686+/-0.006 χ^2/NDF: 3459028.6/49

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:5.3/7

Left: 0.000+/-0.000 χ^2/NDF: 12.1/15

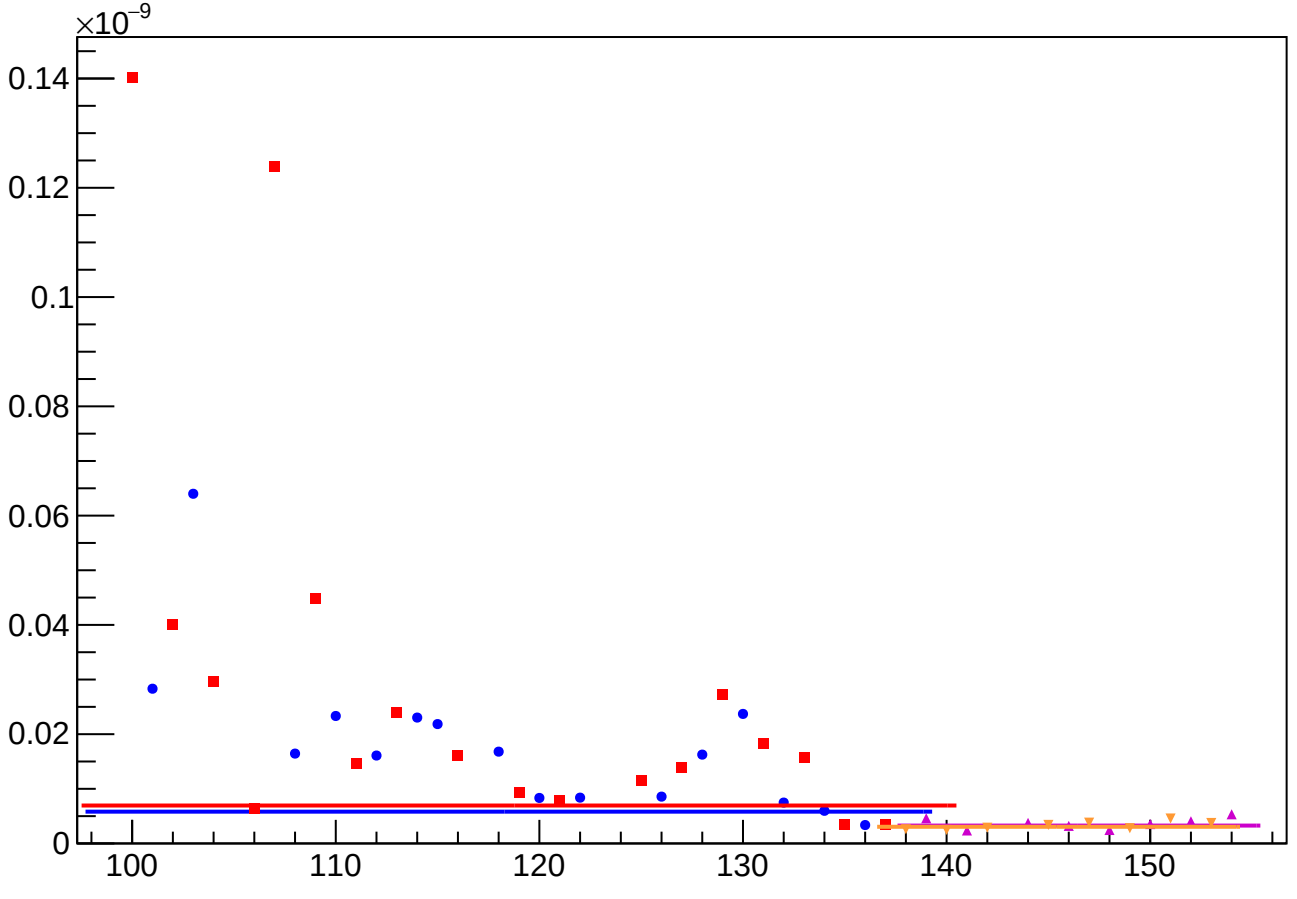
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:16.1/23

Out: 0.000+/-0.000 χ^2/NDF:35.4/25

All: 0.000+/-0.000 χ^2/NDF: 52.0/49

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:265101.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:506336.3/7

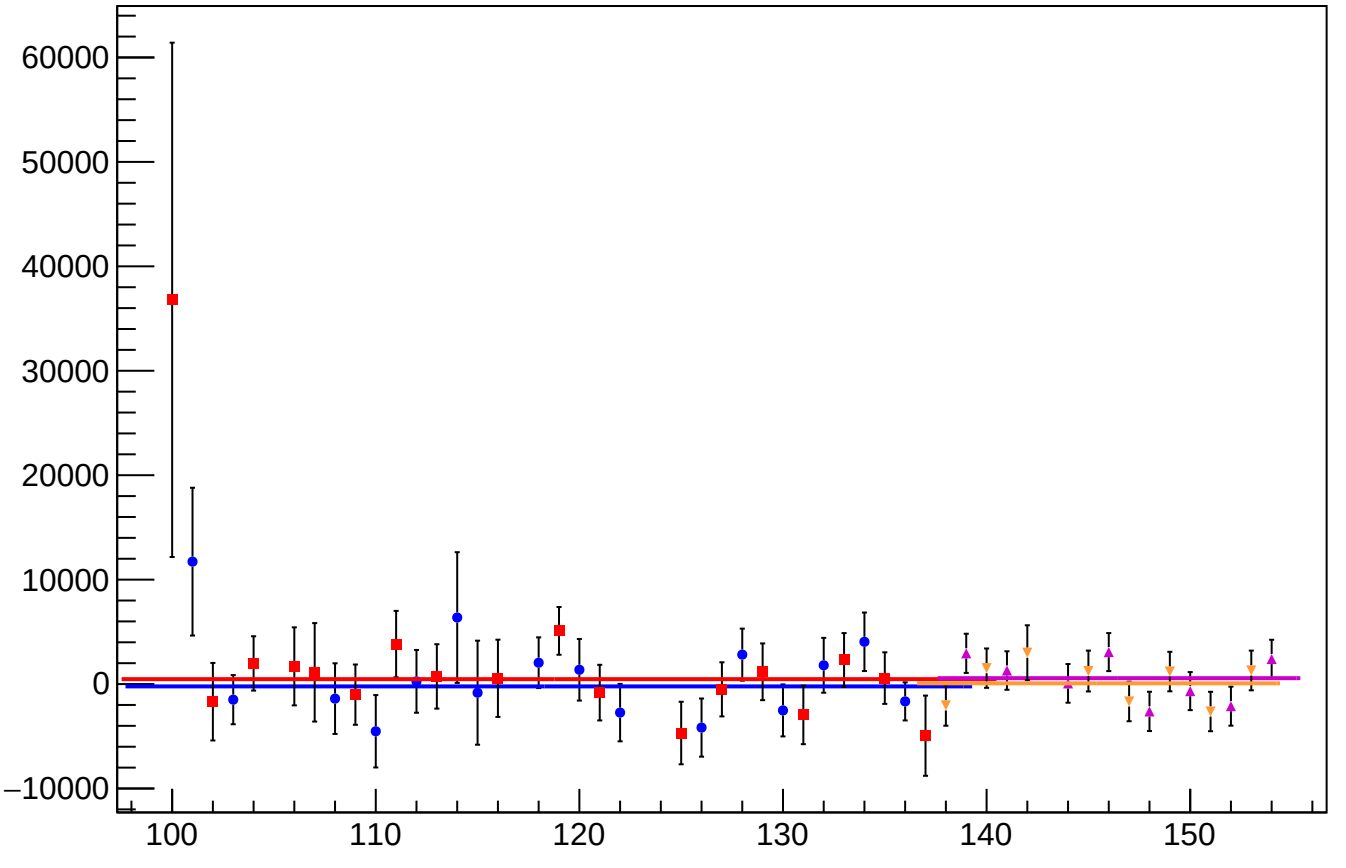
Left: 0.000+/-0.000 χ^2/NDF: 788031.0/15

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:4511820.2/23

Out: 0.000+/-0.000 χ^2/NDF:5251916.4/25

All: 0.000+/-0.000 χ^2/NDF: 9778772.3/49



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: 564.644+/-654.041 χ^2/NDF:10.1/7

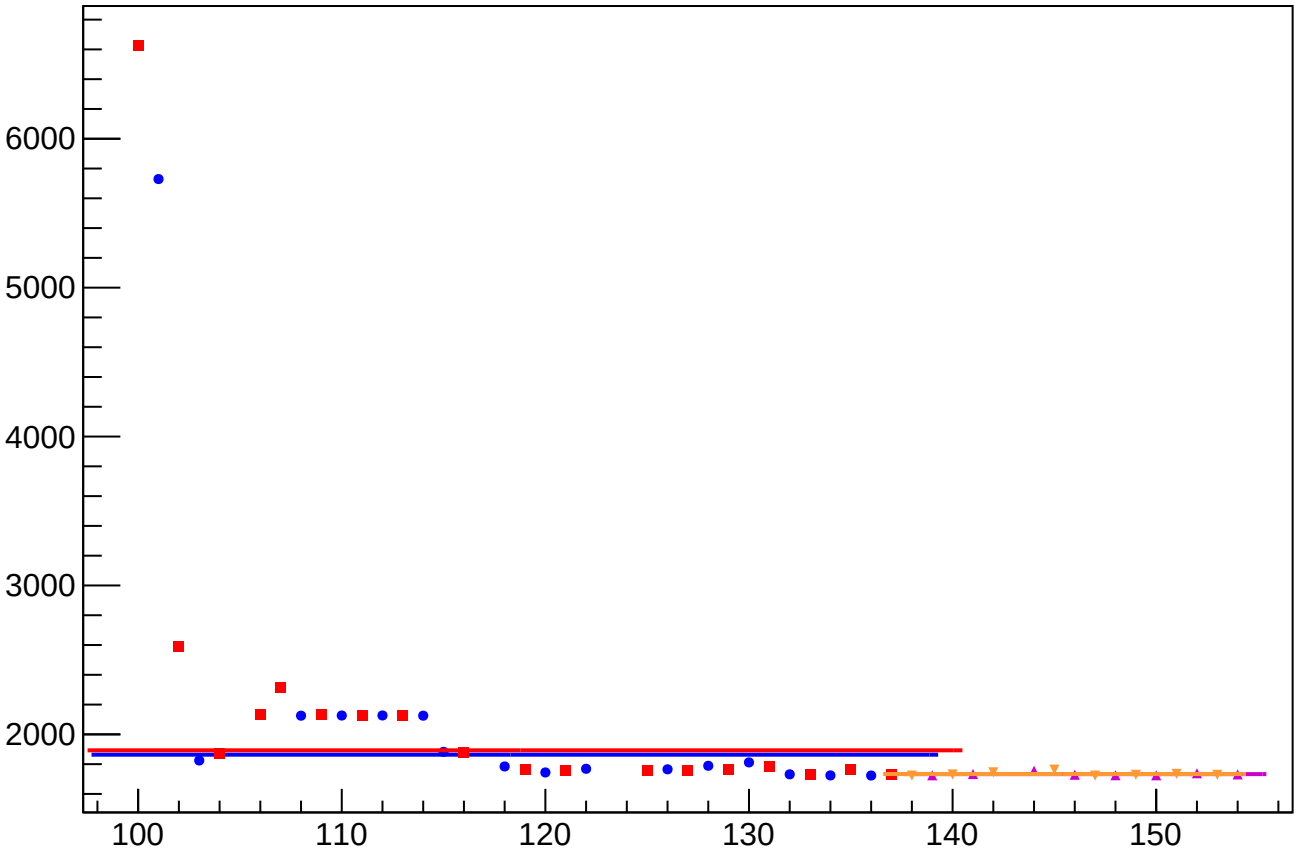
Left: 333.386+/-476.499 χ^2/NDF: 17.4/15

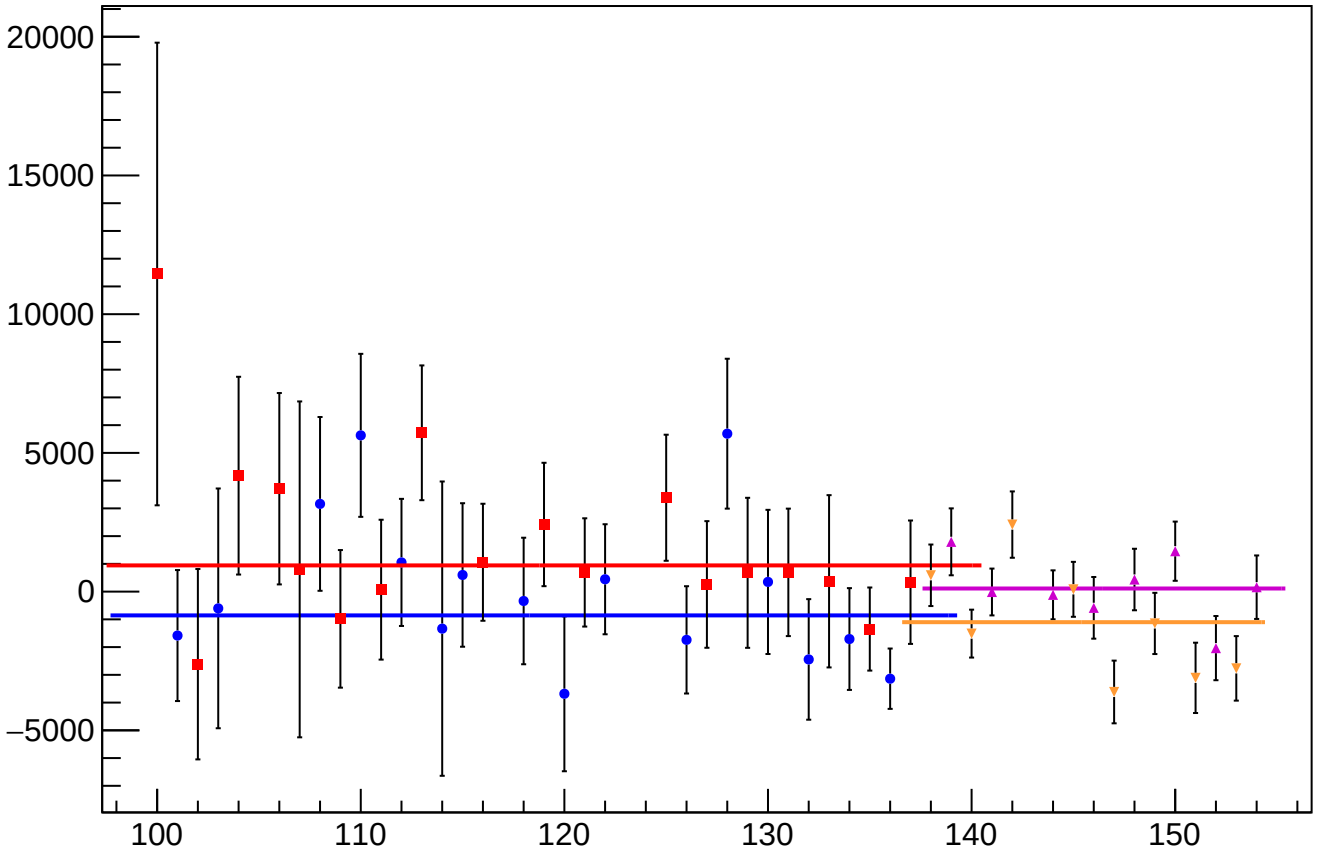
Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 202.622+/-480.780 χ^2/NDF:26.6/23

Out: 267.586+/-497.390 χ^2/NDF:23.1/25

All: 234.001+/-345.686 χ^2/NDF: 49.7/49


reg_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1863.581+/-0.501 χ²/NDF: 674665.6/15
Left Out: 1733.693+/-0.492 χ²/NDF:646.5/7
Right Out: 1892.866+/-0.503 χ²/NDF: 251512.9/17
Left In: 1733.065+/-0.462 χ²/NDF:437.8/7
Left: 1733.360+/-0.337 χ²/NDF: 1085.2/15
Right: 1878.175+/-0.355 χ²/NDF: 927878.2/33
In: 1793.055+/-0.340 χ²/NDF:711710.4/23
Out: 1811.487+/-0.352 χ²/NDF:303338.4/25
All: 1801.958+/-0.244 χ²/NDF: 1016468.6/49



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: 111.976+/-367.843 χ^2/NDF:7.6/7

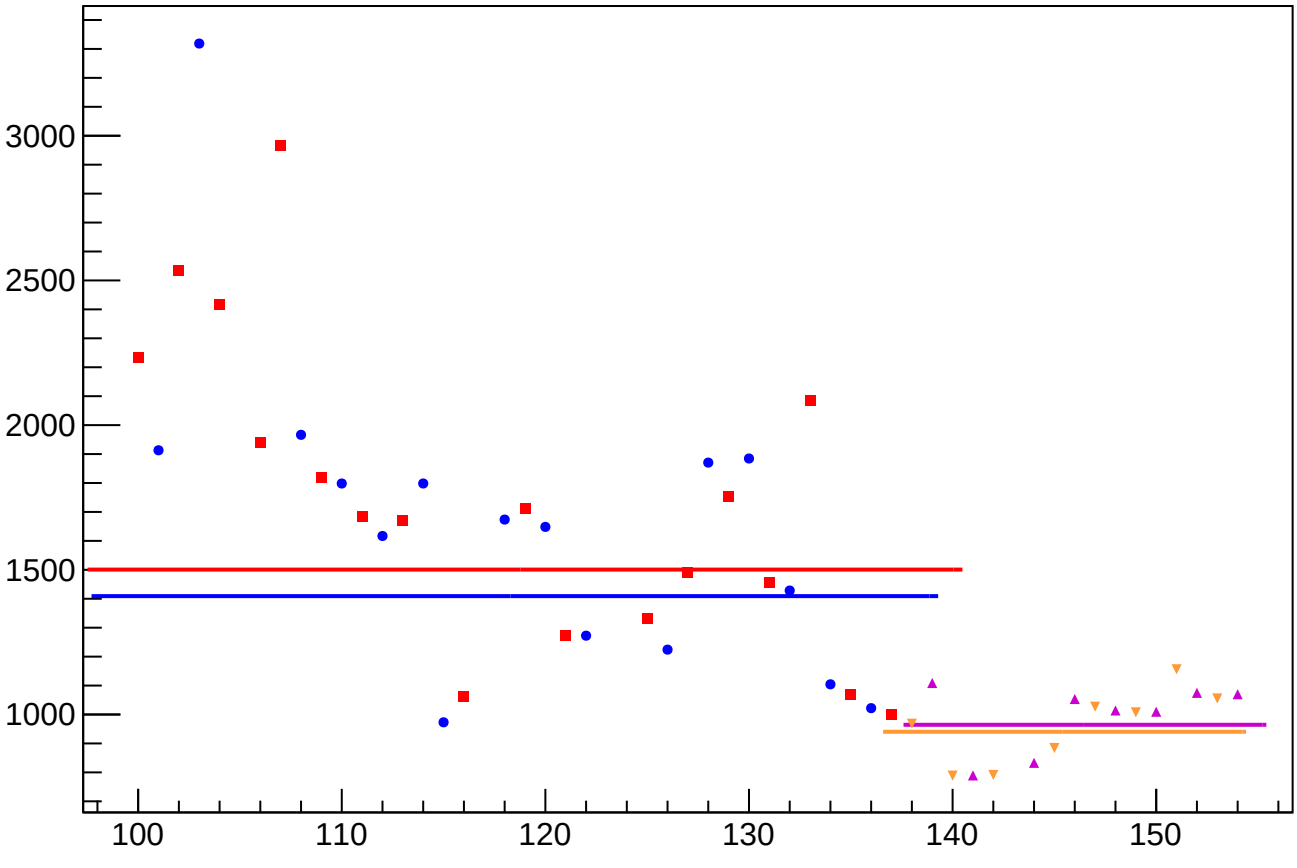
Left: -471.299+/-265.082 χ^2/NDF: 34.9/15

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -187.741+/-305.726 χ^2/NDF:30.3/23

Out: -487.506+/-319.879 χ^2/NDF:43.6/25

All: -330.845+/-221.015 χ^2/NDF: 74.4/49



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: 964.454+/-0.260 χ^2/NDF:214806.4/7

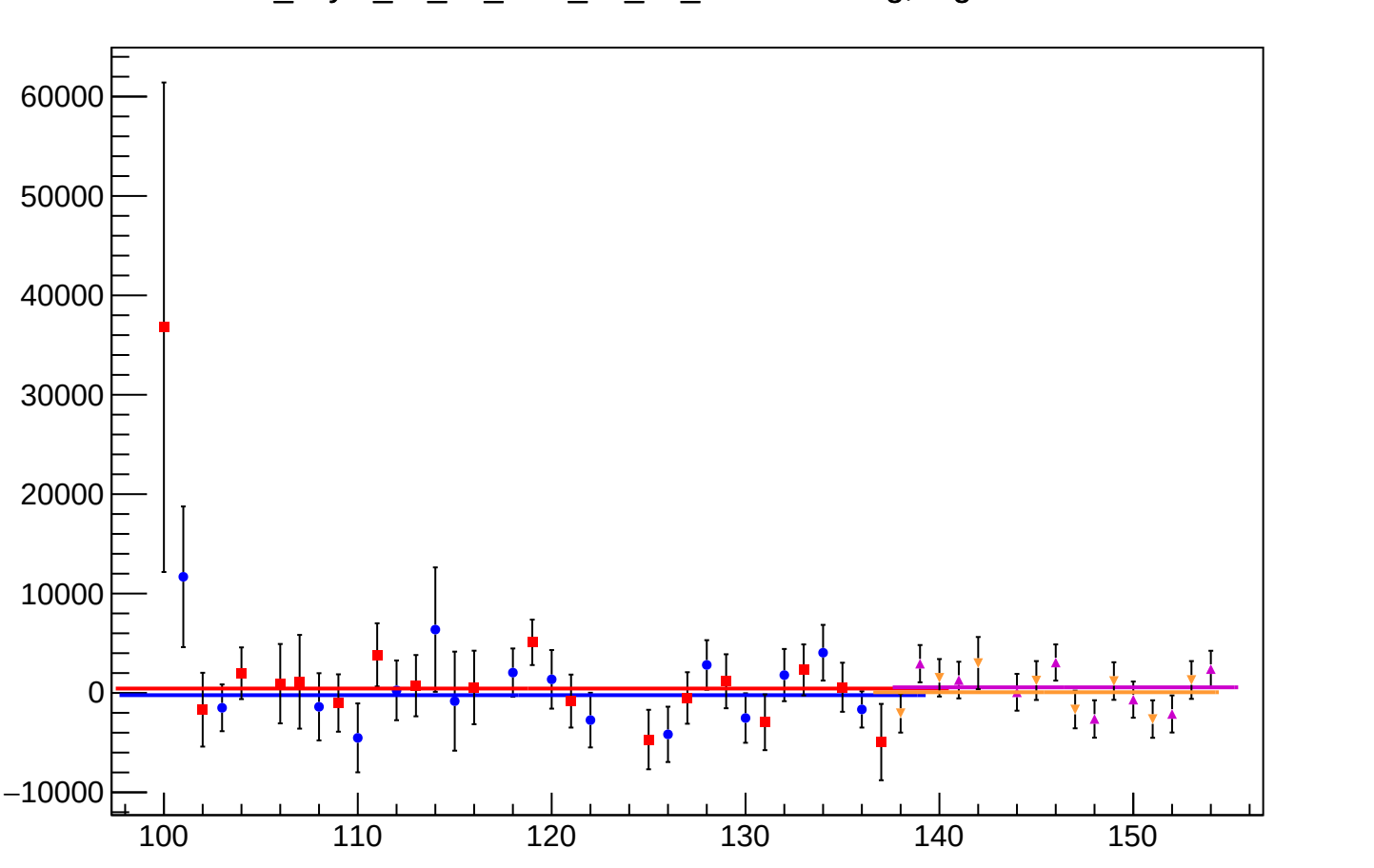
Left: 952.886+/-0.187 χ^2/NDF: 416226.1/15

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1101.946+/-0.216 χ^2/NDF:2286150.1/23

Out: 1108.540+/-0.226 χ^2/NDF:2517320.9/25

All: 1105.094+/-0.156 χ^2/NDF: 4803915.0/49



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: 564.629+/-654.041 χ^2/NDF:10.1/7

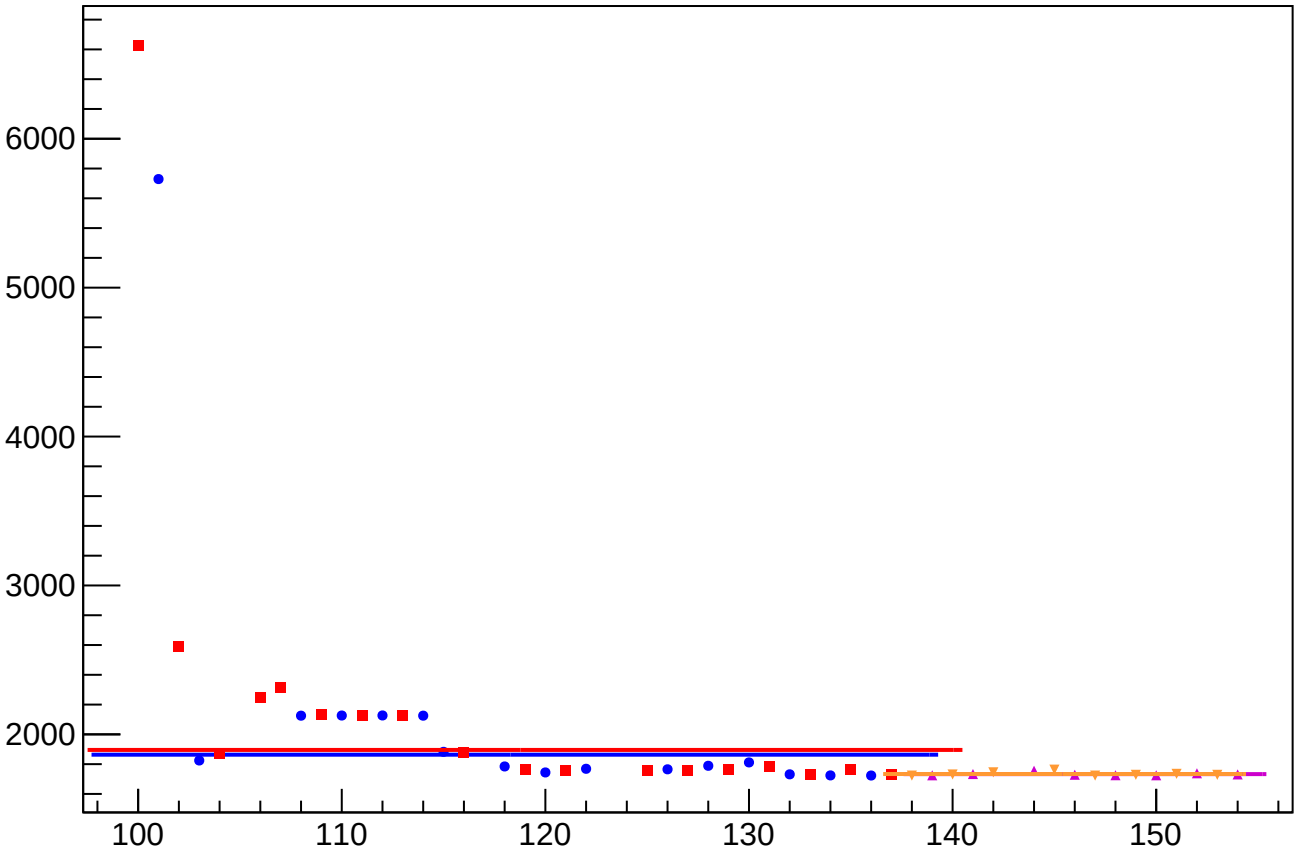
Left: 333.430+/-476.499 χ^2/NDF: 17.4/15

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 202.258+/-480.780 χ^2/NDF:26.6/23

Out: 252.857+/-497.944 χ^2/NDF:22.9/25

All: 226.670+/-345.872 χ^2/NDF: 49.5/49



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: 1733.065+/-0.462 χ^2/NDF:437.8/7

Left: 1733.360+/-0.337 χ^2/NDF: 1085.2/15

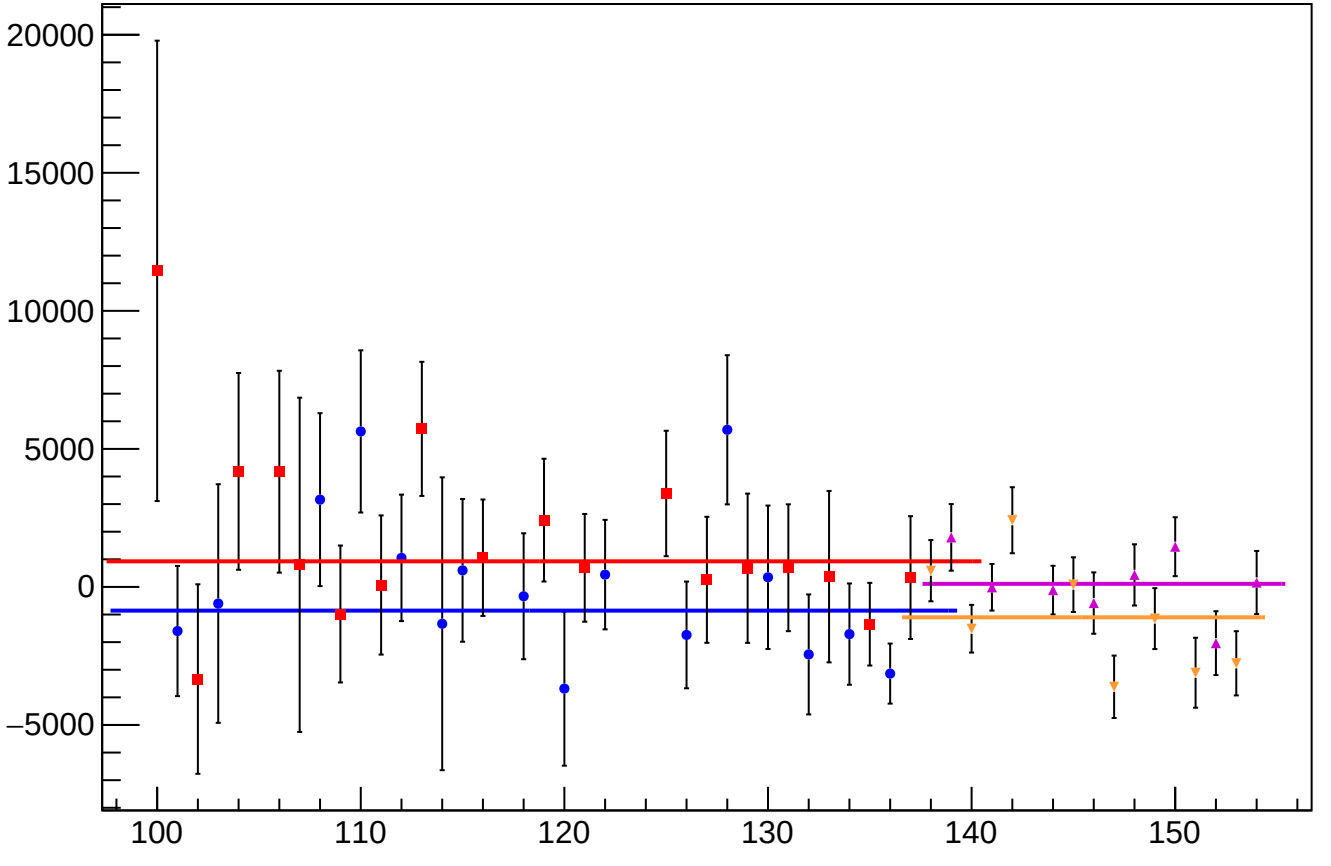
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1793.055+/-0.340 χ^2/NDF:711710.2/23

Out: 1812.586+/-0.352 χ^2/NDF:312576.4/25

All: 1802.478+/-0.245 χ^2/NDF: 1025879.0/49

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: 112.045+/-367.839 χ^2/NDF:7.6/7

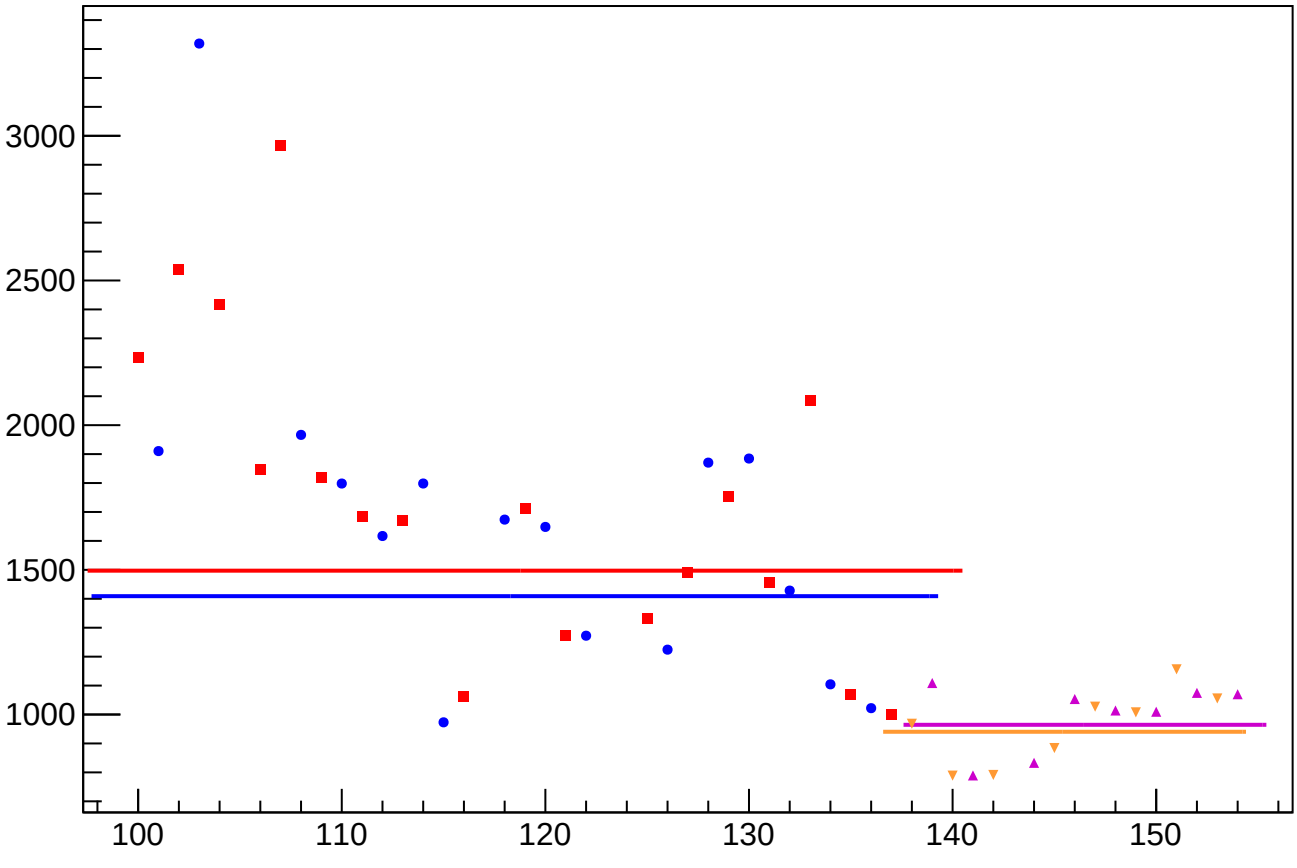
Left: -471.254+/-265.081 χ^2/NDF: 34.9/15

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -187.977+/-305.716 χ^2/NDF:30.3/23

Out: -494.098+/-320.030 χ^2/NDF:44.1/25

All: -334.039+/-221.061 χ^2/NDF: 74.9/49



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: 964.446+/-0.260 χ^2/NDF:214812.3/7

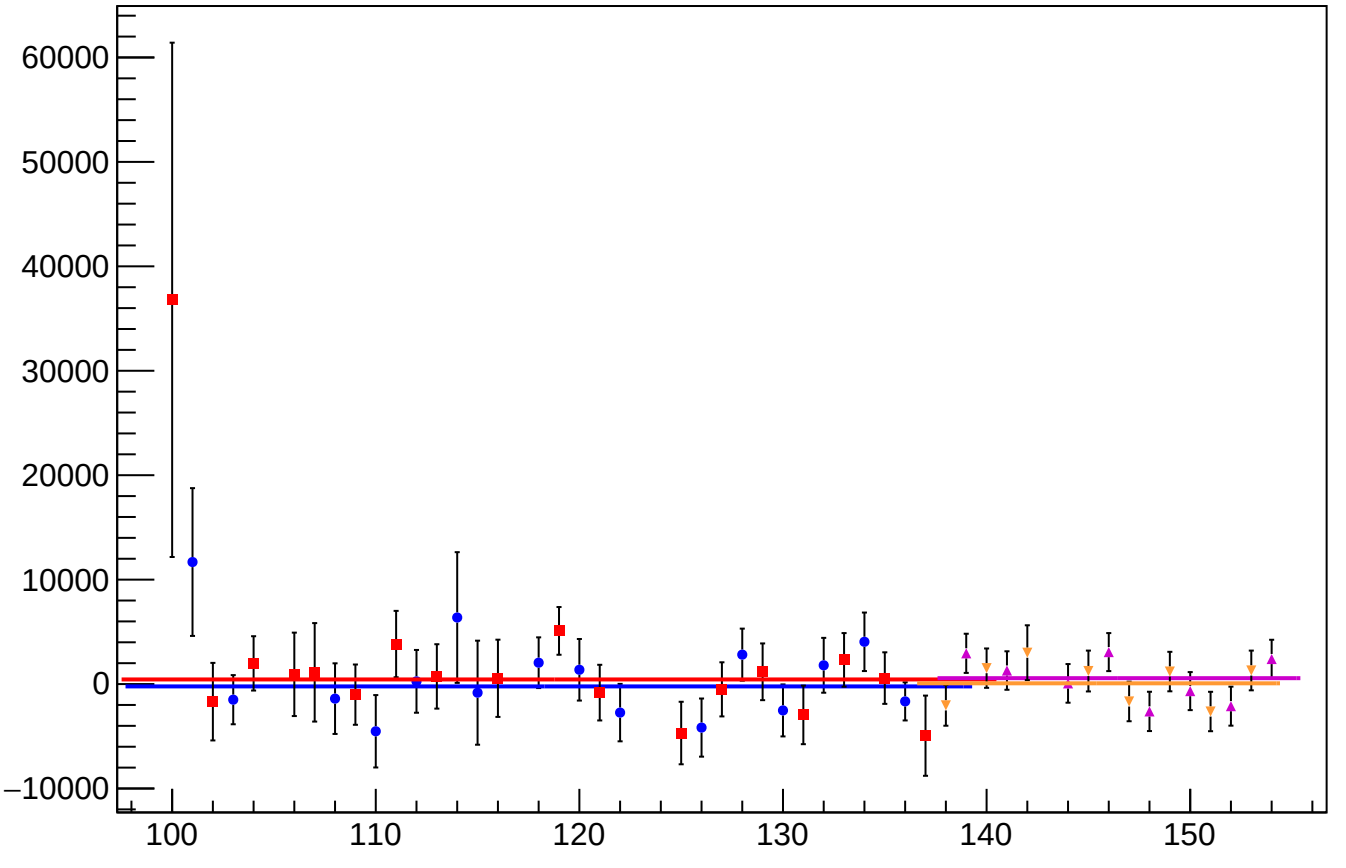
Left: 952.883+/-0.187 χ^2/NDF: 416194.4/15

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1101.930+/-0.216 χ^2/NDF:2285336.9/23

Out: 1107.078+/-0.226 χ^2/NDF:2485081.6/25

All: 1104.386+/-0.156 χ^2/NDF: 4770689.2/49



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: 564.629+/-654.041 χ^2/NDF:10.1/7

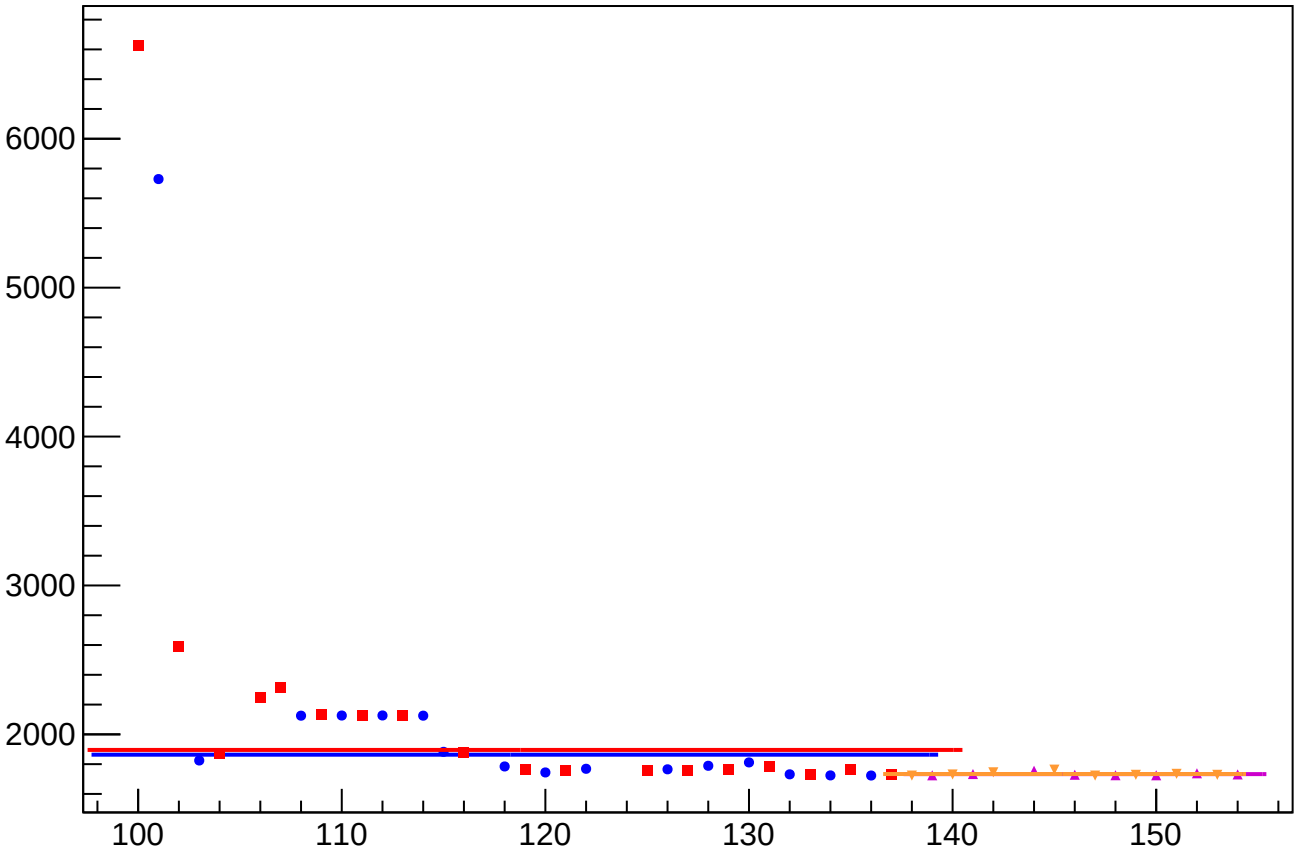
Left: 333.430+/-476.499 χ^2/NDF: 17.4/15

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 202.258+/-480.780 χ^2/NDF:26.6/23

Out: 252.857+/-497.944 χ^2/NDF:22.9/25

All: 226.670+/-345.872 χ^2/NDF: 49.5/49



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: 1733.065+/-0.462 χ^2/NDF:437.8/7

Left: 1733.360+/-0.337 χ^2/NDF: 1085.2/15

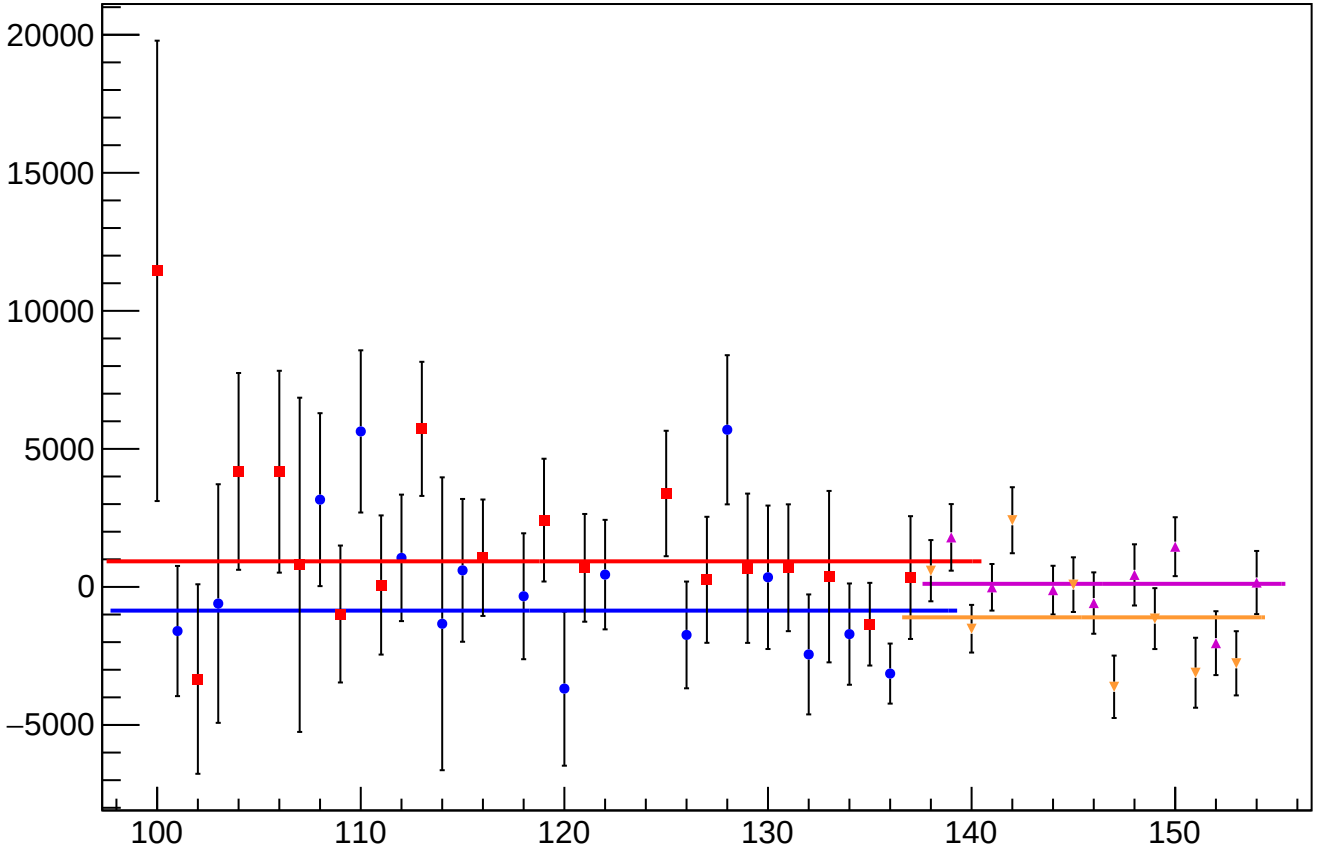
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1793.055+/-0.340 χ^2/NDF:711710.2/23

Out: 1812.586+/-0.352 χ^2/NDF:312576.4/25

All: 1802.478+/-0.245 χ^2/NDF: 1025879.0/49

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: 112.045+/-367.839 χ^2/NDF:7.6/7

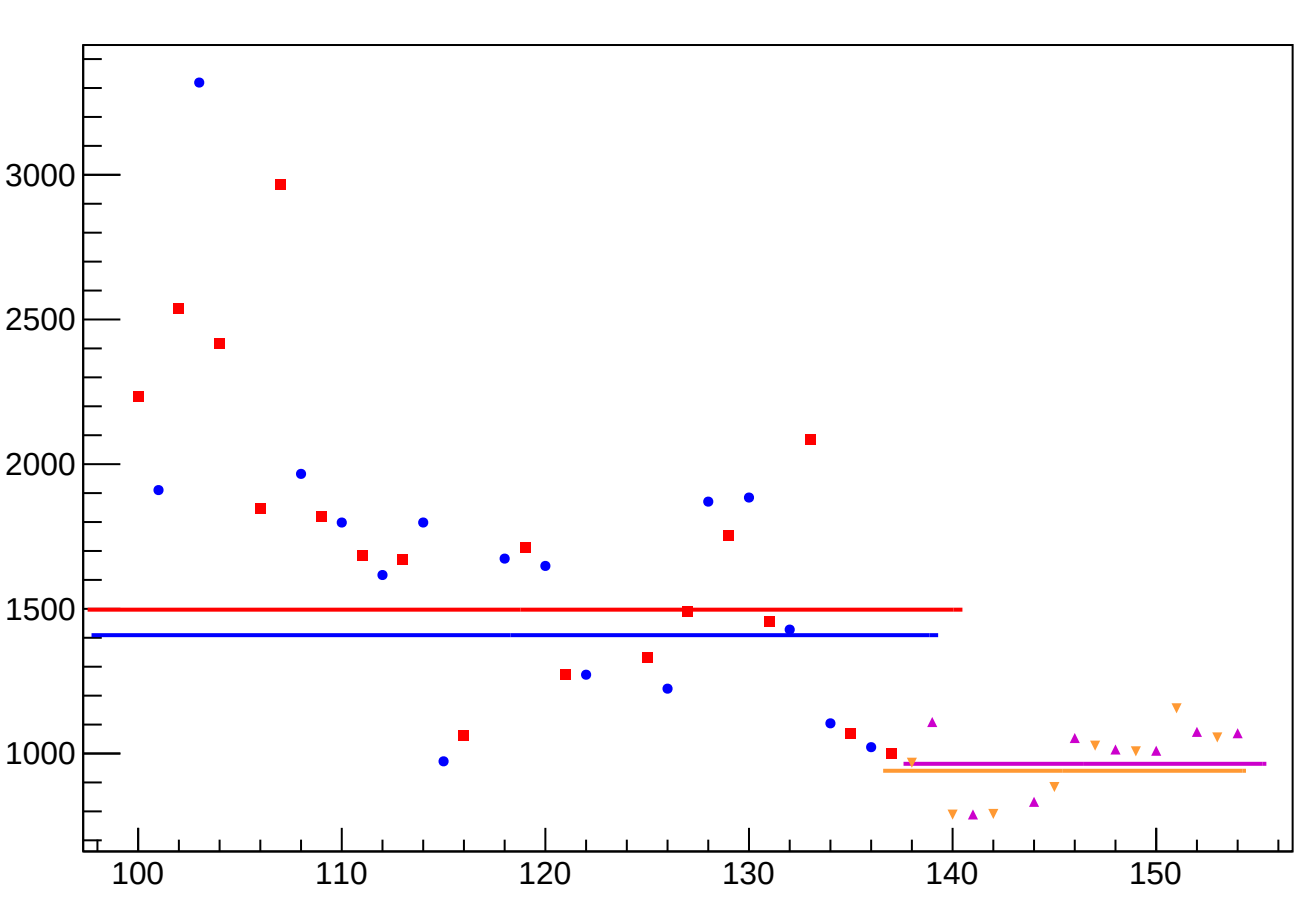
Left: -471.254+/-265.081 χ^2/NDF: 34.9/15

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -187.977+/-305.716 χ^2/NDF:30.3/23

Out: -494.098+/-320.030 χ^2/NDF:44.1/25

All: -334.039+/-221.061 χ^2/NDF: 74.9/49



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: 964.446+/-0.260 χ^2/NDF:214812.3/7

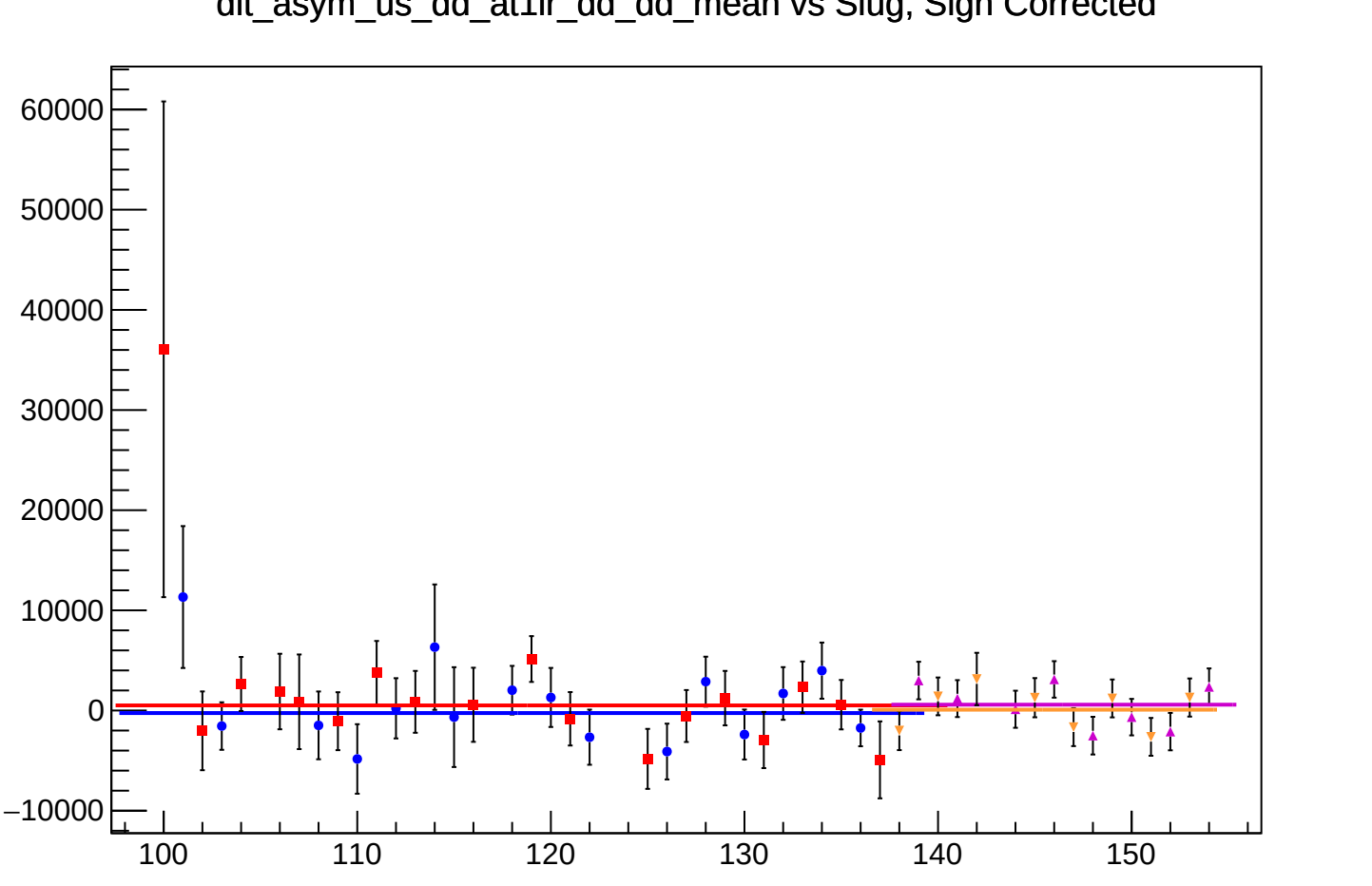
Left: 952.883+/-0.187 χ^2/NDF: 416194.4/15

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1101.930+/-0.216 χ^2/NDF:2285336.9/23

Out: 1107.078+/-0.226 χ^2/NDF:2485081.6/25

All: 1104.386+/-0.156 χ^2/NDF: 4770689.2/49



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: 582.825+/-654.354 χ^2/NDF:9.9/7

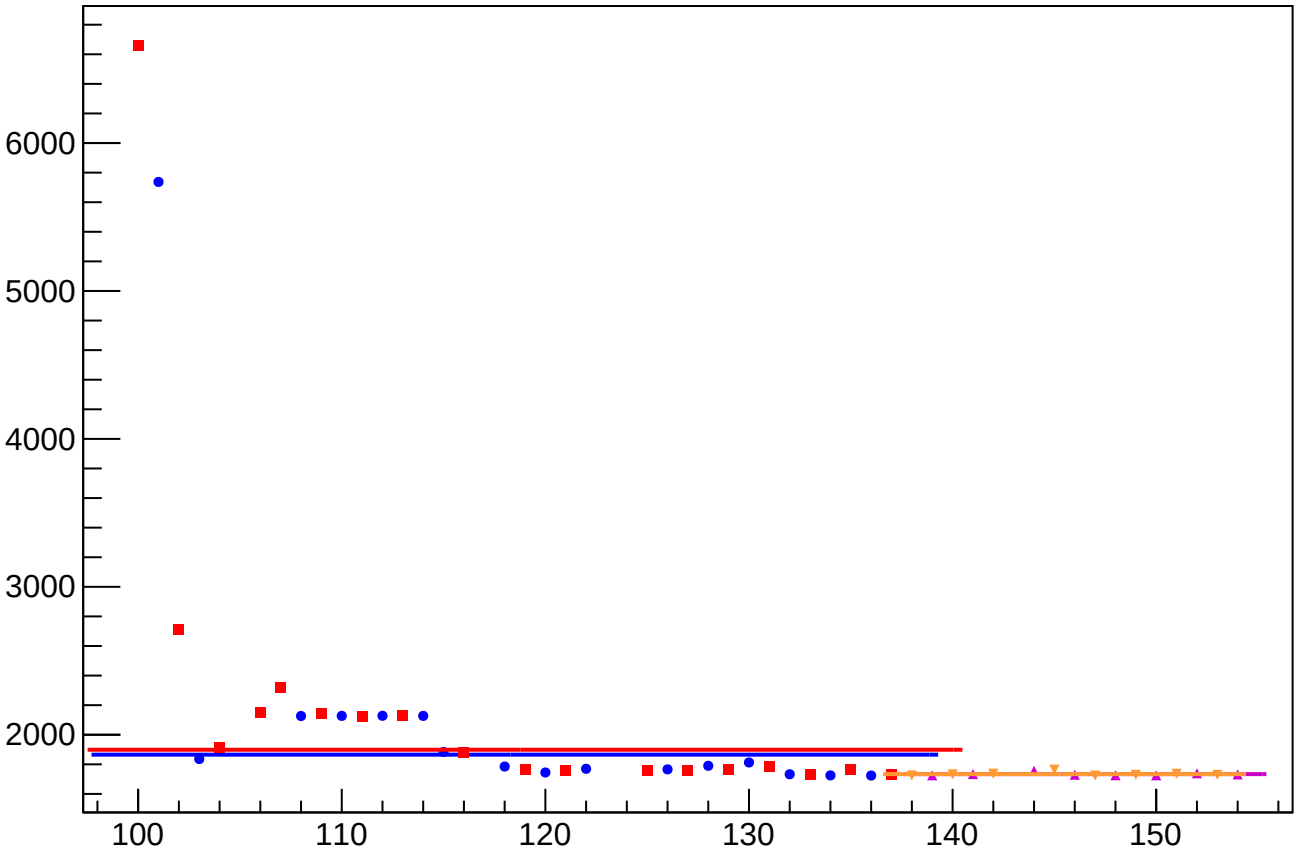
Left: 346.922+/-476.671 χ^2/NDF: 17.2/15

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 199.378+/-481.161 χ^2/NDF:26.3/23

Out: 289.172+/-498.797 χ^2/NDF:23.6/25

All: 242.659+/-346.299 χ^2/NDF: 50.0/49



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: 1733.896+/-0.463 χ^2/NDF:437.4/7

Left: 1733.949+/-0.337 χ^2/NDF: 1035.8/15

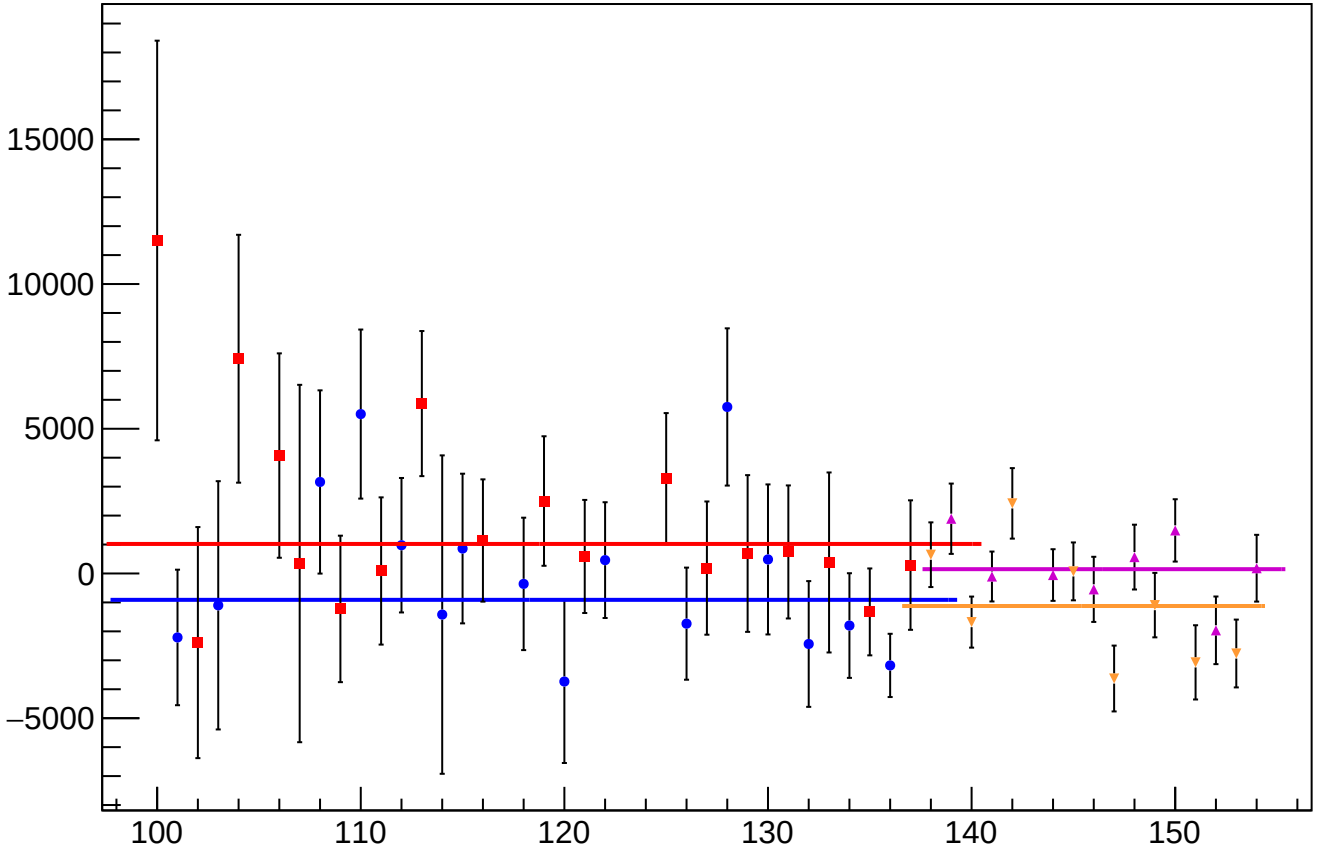
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1794.314+/-0.340 χ^2/NDF:712550.1/23

Out: 1814.013+/-0.353 χ^2/NDF:324110.6/25

All: 1803.809+/-0.245 χ^2/NDF: 1038276.5/49

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: 148.516+/-372.264 χ^2/NDF:7.5/7

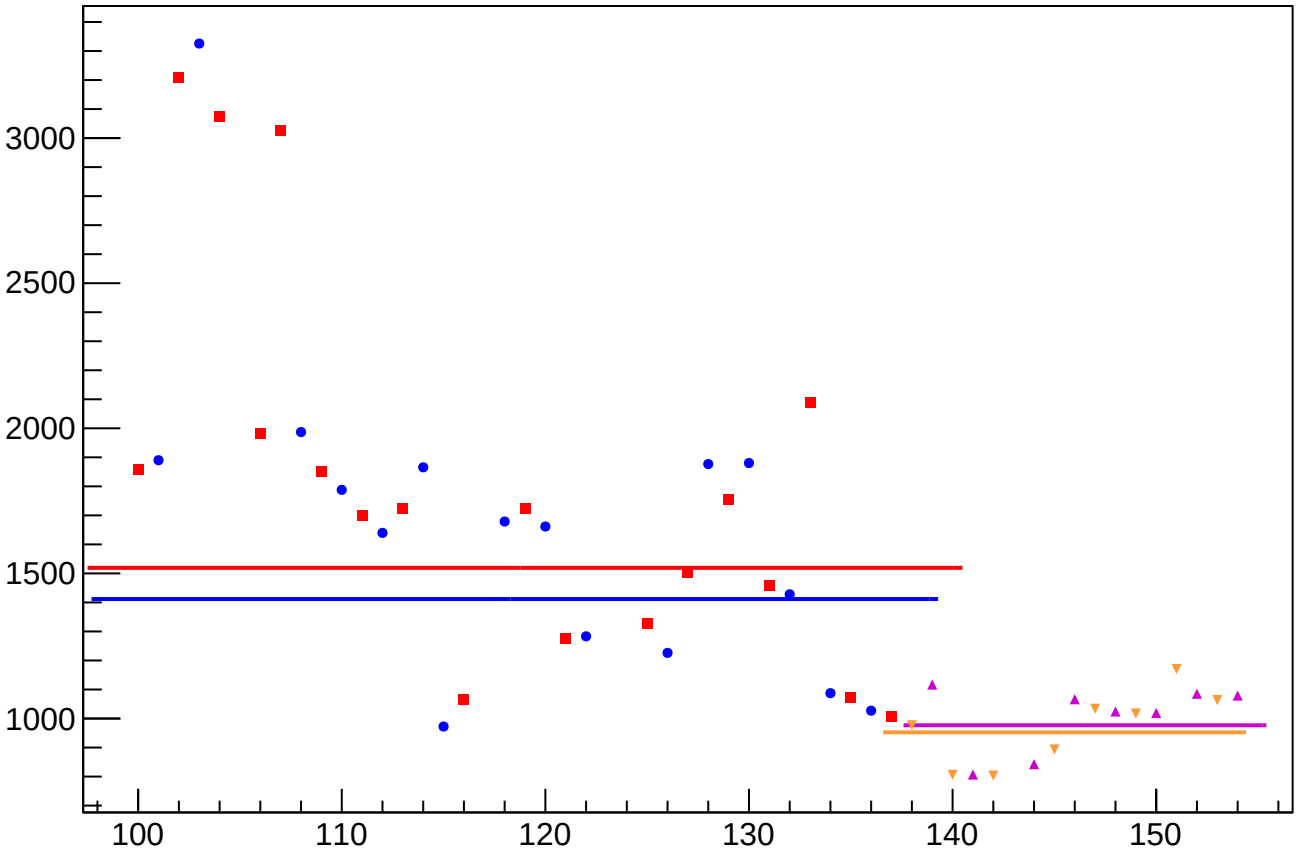
Left: -463.001+/-268.292 χ^2/NDF: 35.1/15

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -183.660+/-308.434 χ^2/NDF:31.1/23

Out: -481.367+/-323.867 χ^2/NDF:46.1/25

All: -325.251+/-223.353 χ^2/NDF: 77.6/49



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 952.460+/-0.274 χ^2/NDF:185677.2/7

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 976.776+/-0.263 χ^2/NDF:201947.6/7

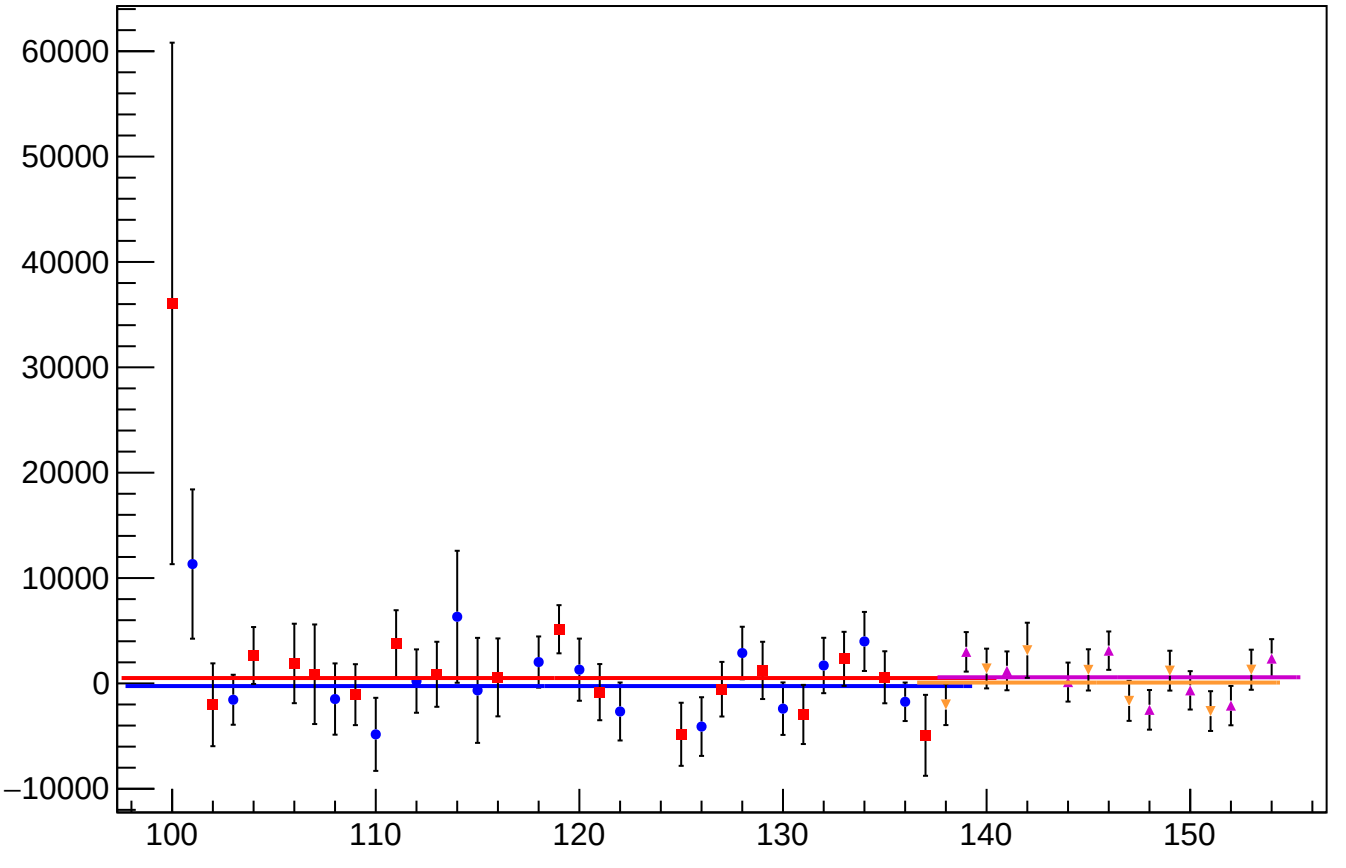
Left: 965.090+/-0.190 χ^2/NDF: 391725.7/15

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1113.153+/-0.218 χ^2/NDF:2235803.0/23

Out: 1122.340+/-0.229 χ^2/NDF:2831672.9/25

All: 1117.522+/-0.158 χ^2/NDF: 5068319.8/49



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: 582.827+/-654.354 χ^2/NDF:9.9/7

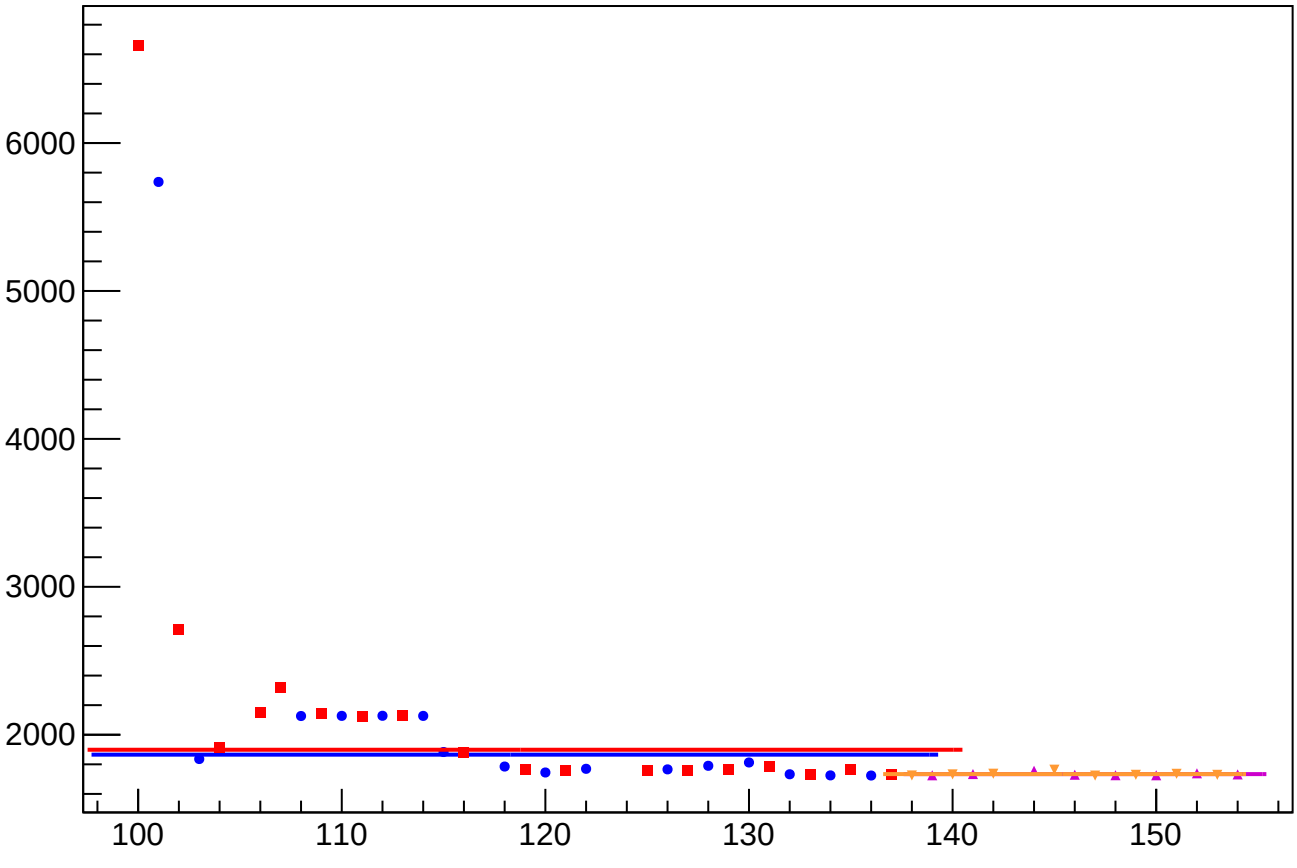
Left: 346.922+/-476.671 χ^2/NDF: 17.2/15

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 199.379+/-481.161 χ^2/NDF:26.3/23

Out: 289.170+/-498.797 χ^2/NDF:23.6/25

All: 242.659+/-346.299 χ^2/NDF: 50.0/49



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: 1733.896+/-0.463 χ^2/NDF:437.4/7

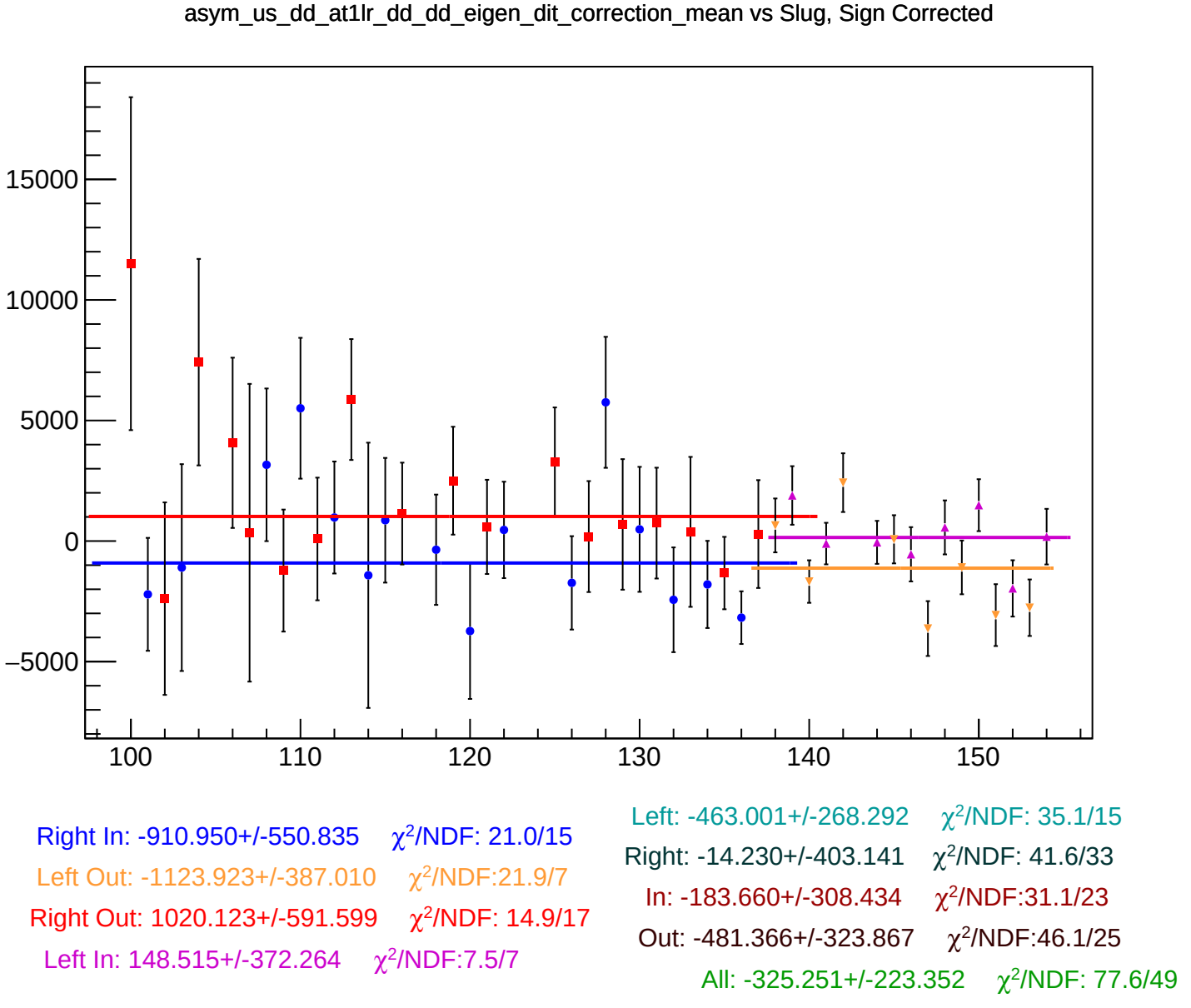
Left: 1733.949+/-0.337 χ^2/NDF: 1035.8/15

Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

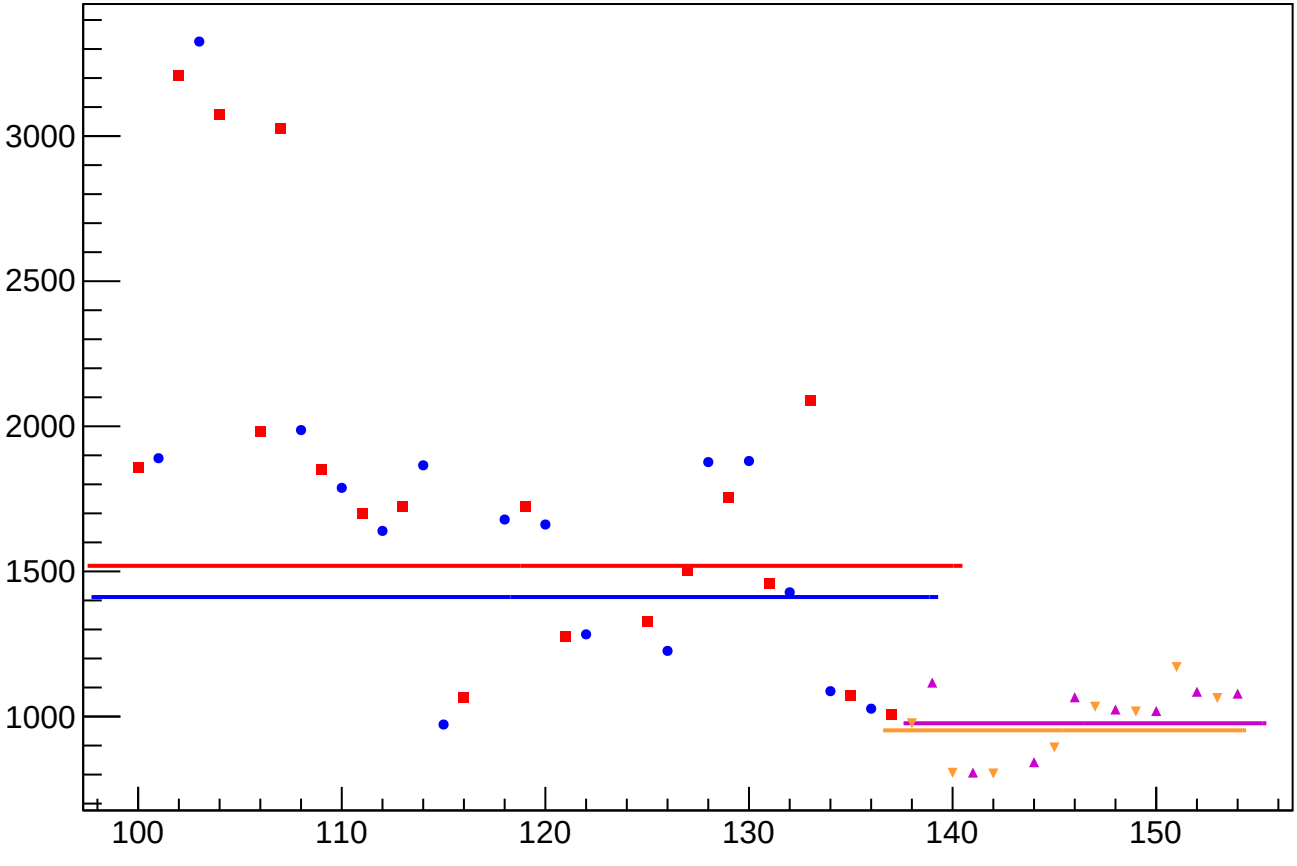
In: 1794.314+/-0.340 χ^2/NDF:712550.1/23

Out: 1814.013+/-0.353 χ^2/NDF:324110.4/25

All: 1803.809+/-0.245 χ^2/NDF: 1038276.2/49


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -1123.923+/-387.010 χ²/NDF:21.9/7
Right Out: 1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: 148.515+/-372.264 χ²/NDF:7.5/7
Left: -463.001+/-268.292 χ²/NDF: 35.1/15
Right: -14.230+/-403.141 χ²/NDF: 41.6/33
In: -183.660+/-308.434 χ²/NDF:31.1/23
Out: -481.366+/-323.867 χ²/NDF:46.1/25
All: -325.251+/-223.352 χ²/NDF: 77.6/49

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 976.776+/-0.263 χ^2/NDF:201954.0/7

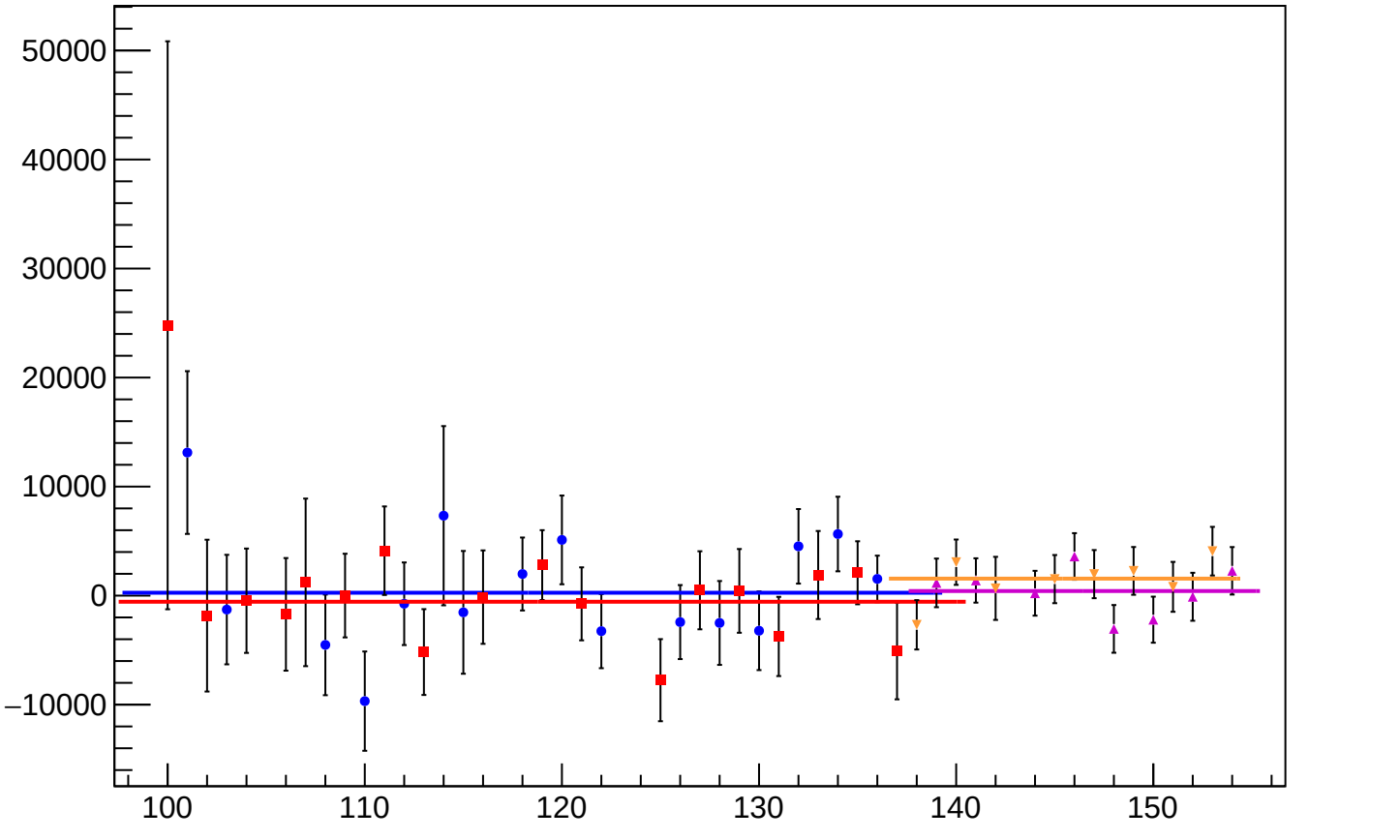
Left: 965.090+/-0.190 χ^2/NDF: 391738.6/15

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1113.152+/-0.218 χ^2/NDF:2235799.6/23

Out: 1122.339+/-0.229 χ^2/NDF:2831679.0/25

All: 1117.521+/-0.158 χ^2/NDF: 5068322.5/49



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: 421.102+/-756.169 χ^2/NDF:7.4/7

Left: 956.912+/-550.035 χ^2/NDF: 14.1/15

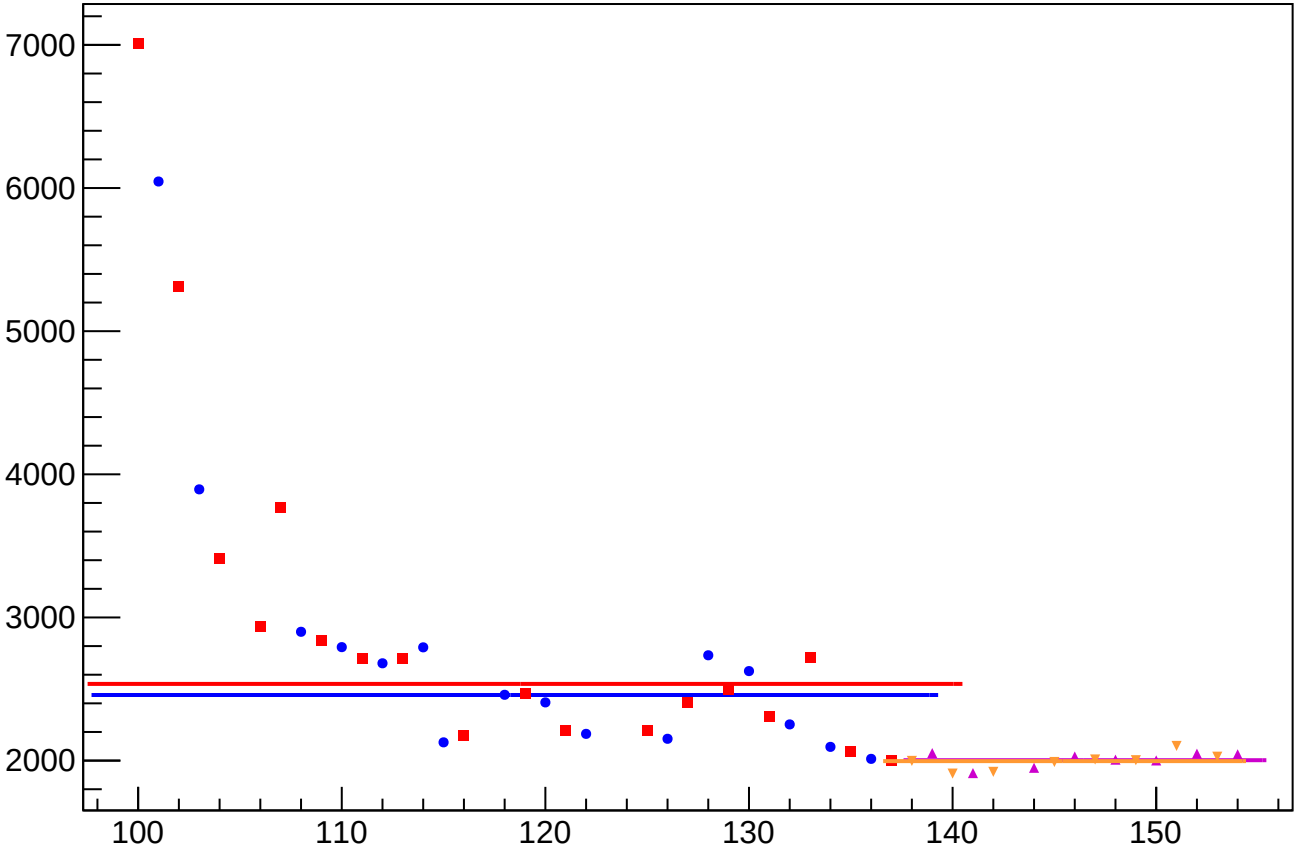
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 359.687+/-589.678 χ^2/NDF:26.4/23

Out: 691.297+/-616.051 χ^2/NDF:20.3/25

All: 518.242+/-425.984 χ^2/NDF: 46.9/49

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: 2002.797+/-0.535 χ^2/NDF:8121.4/7

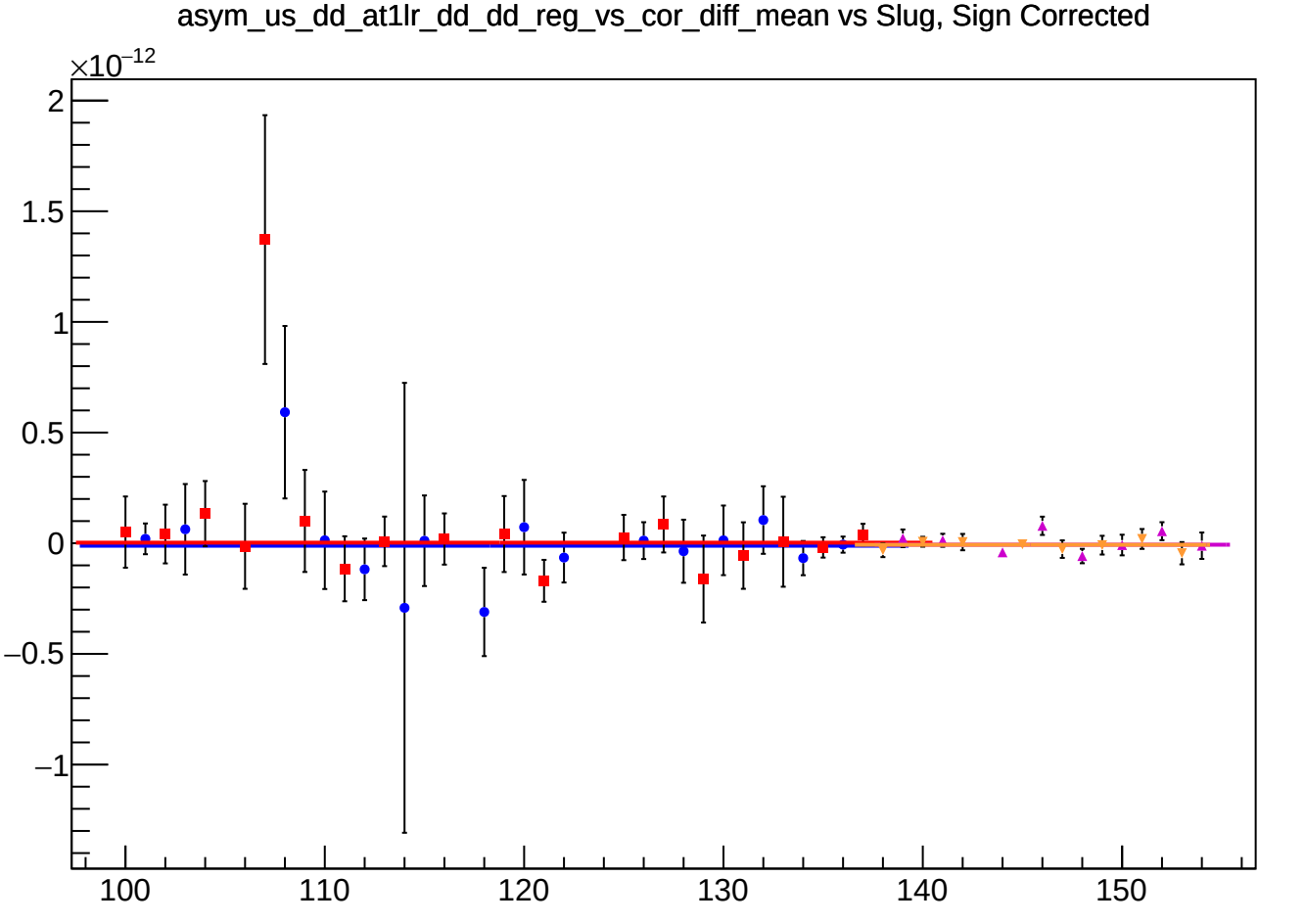
Left: 1999.788+/-0.389 χ^2/NDF: 17801.5/15

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2181.310+/-0.417 χ^2/NDF:1125444.9/23

Out: 2217.169+/-0.436 χ^2/NDF:1053619.5/25

All: 2198.456+/-0.301 χ^2/NDF: 2182600.8/49



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:12.7/7

Left: -0.000+/-0.000 χ^2/NDF: 15.0/15

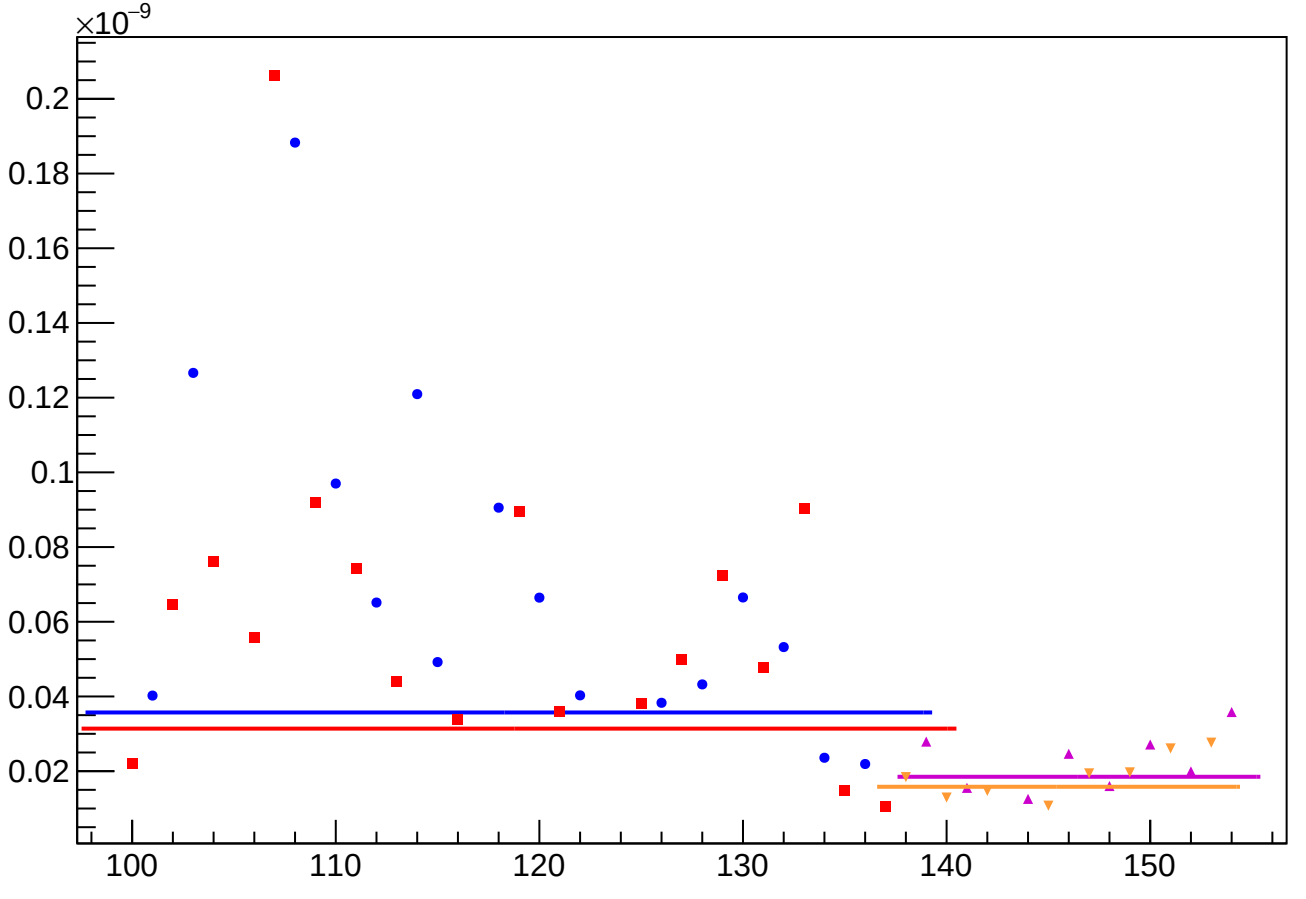
Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:20.0/23

Out: -0.000+/-0.000 χ^2/NDF:15.6/25

All: -0.000+/-0.000 χ^2/NDF: 35.7/49

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:586633.9/7

Left: 0.000+/-0.000 χ^2/NDF: 1039593.5/15

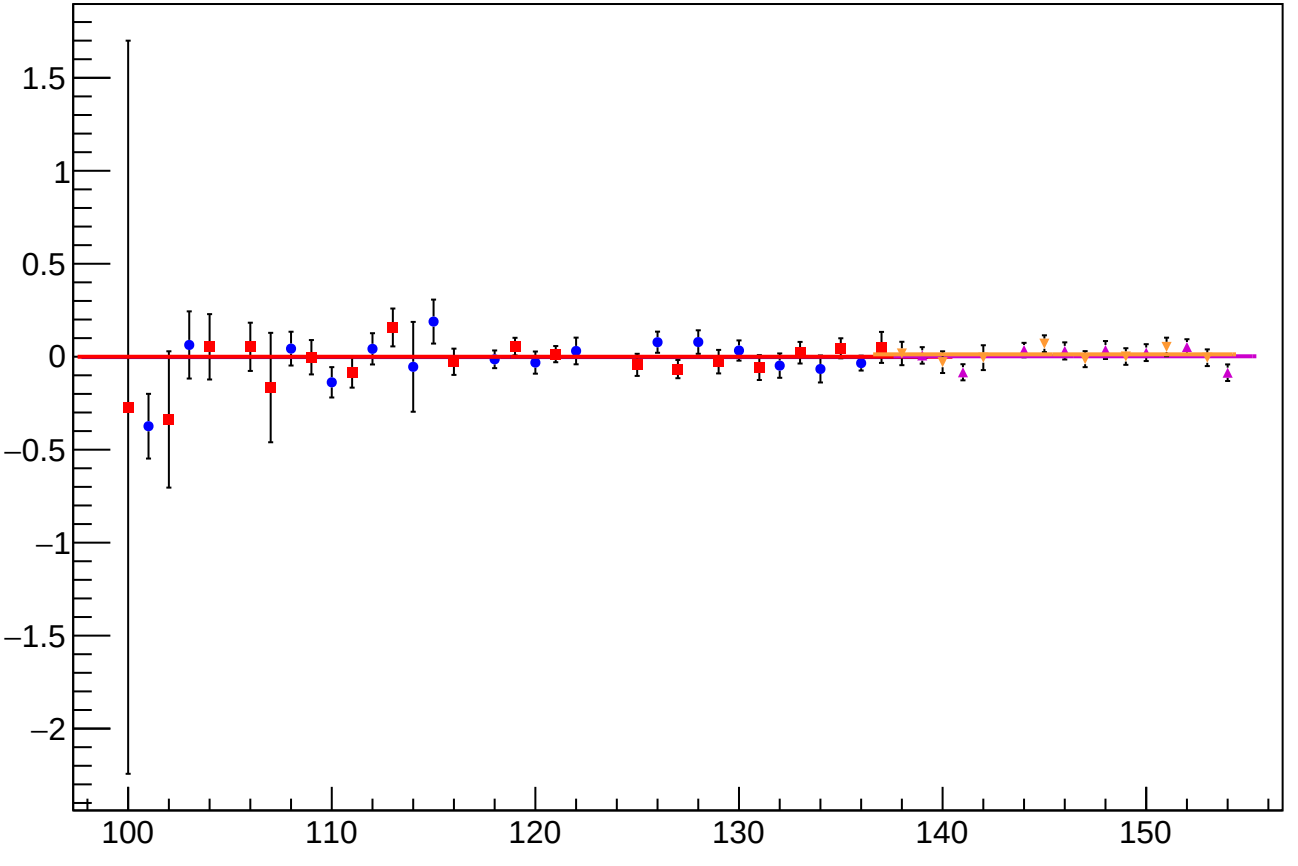
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3001014.6/23

Out: 0.000+/-0.000 χ^2/NDF:3140573.3/25

All: 0.000+/-0.000 χ^2/NDF: 6237497.9/49

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: 0.002+/-0.016 χ^2/NDF:11.1/7

Left: 0.007+/-0.012 χ^2/NDF: 14.7/15

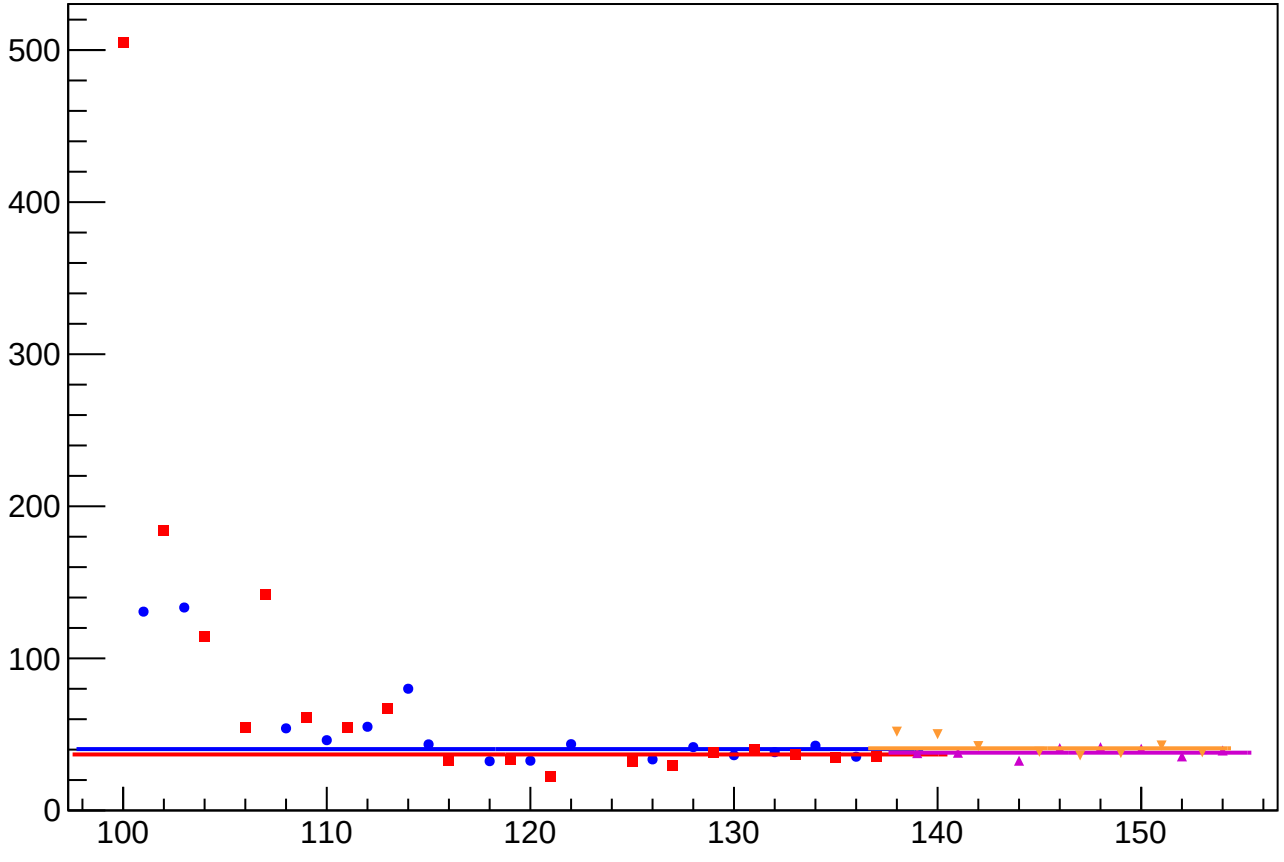
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.011 χ^2/NDF:28.2/23

Out: 0.006+/-0.012 χ^2/NDF:14.6/25

All: 0.003+/-0.008 χ^2/NDF: 43.0/49

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: 37.988+/-0.011 χ^2/NDF:71865.1/7

Left: 39.242+/-0.008 χ^2/NDF: 262258.1/15

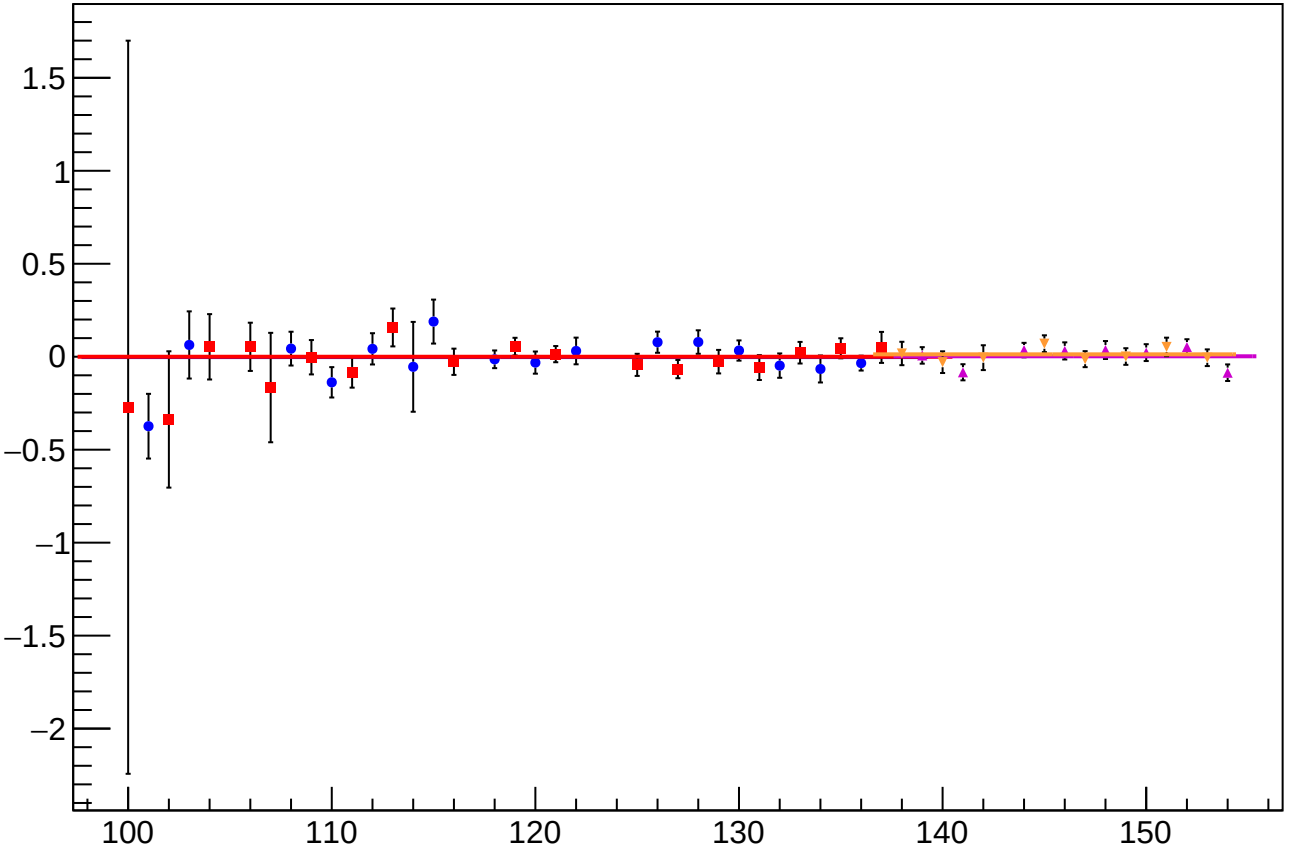
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.057+/-0.008 χ^2/NDF:1502987.4/23

Out: 38.728+/-0.009 χ^2/NDF:2052929.7/25

All: 38.901+/-0.006 χ^2/NDF: 3556691.3/49

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: 0.002+/-0.016 χ^2/NDF:11.1/7

Left: 0.007+/-0.012 χ^2/NDF: 14.7/15

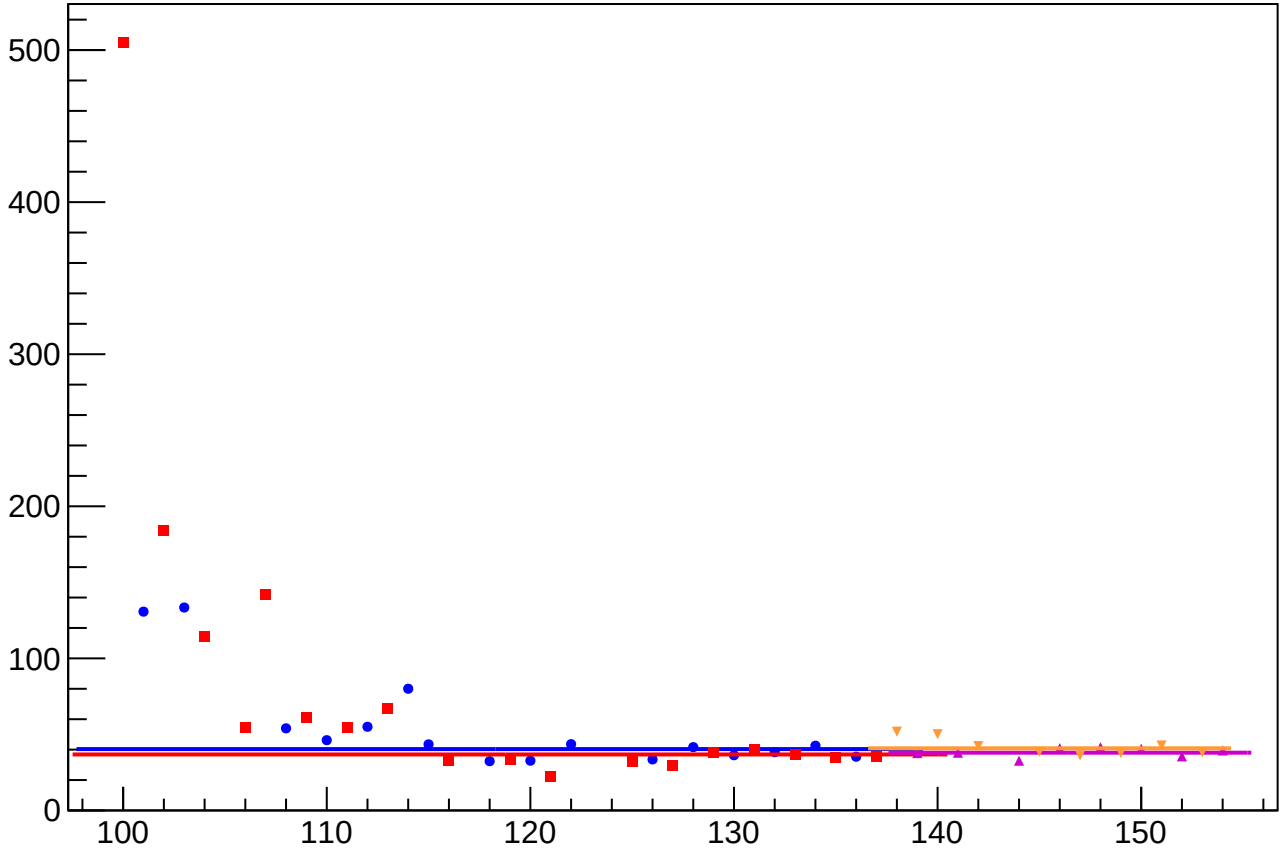
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.011 χ^2/NDF:28.2/23

Out: 0.006+/-0.012 χ^2/NDF:14.6/25

All: 0.003+/-0.008 χ^2/NDF: 43.0/49

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: 37.988+/-0.011 χ^2/NDF:71865.1/7

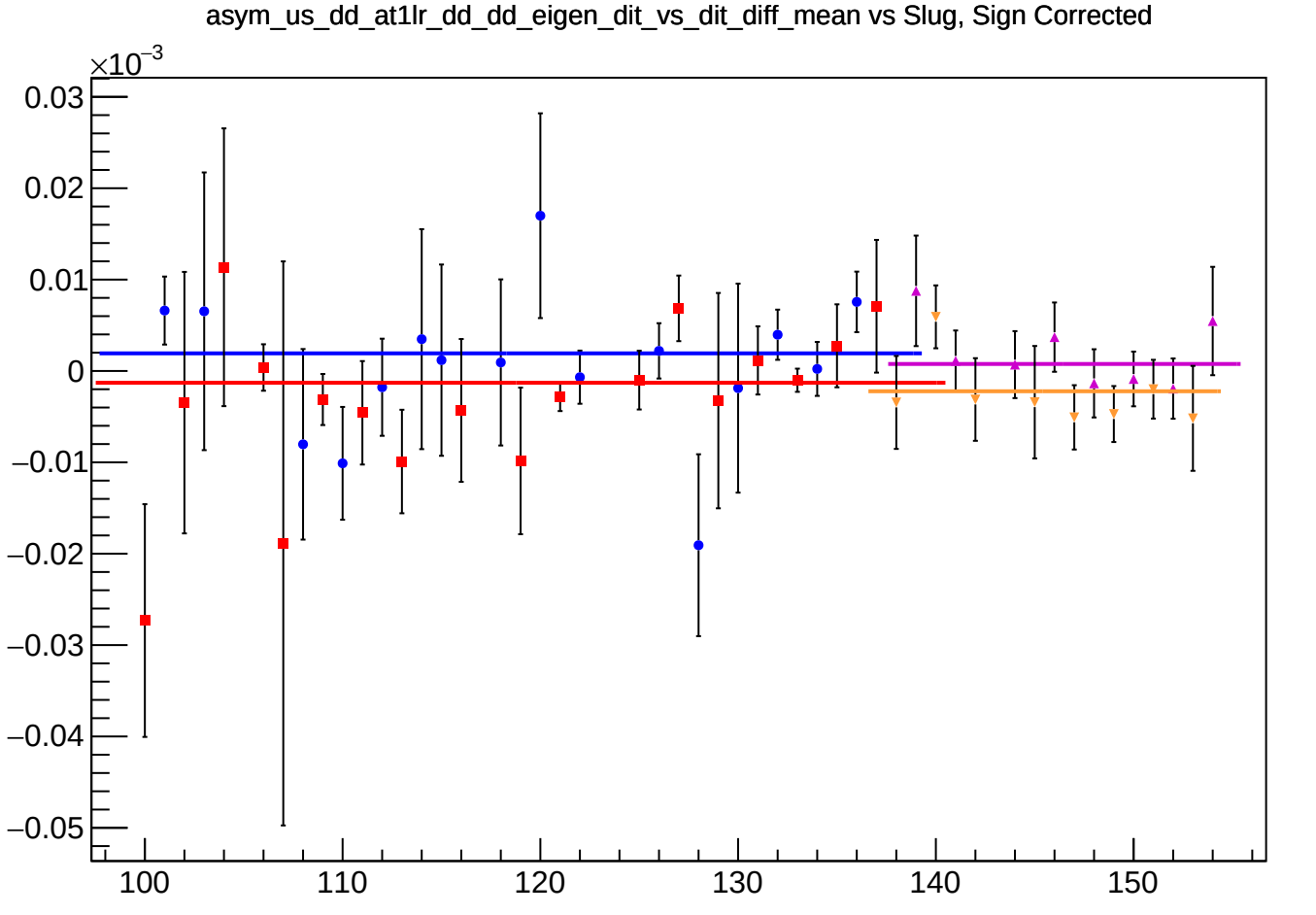
Left: 39.242+/-0.008 χ^2/NDF: 262258.1/15

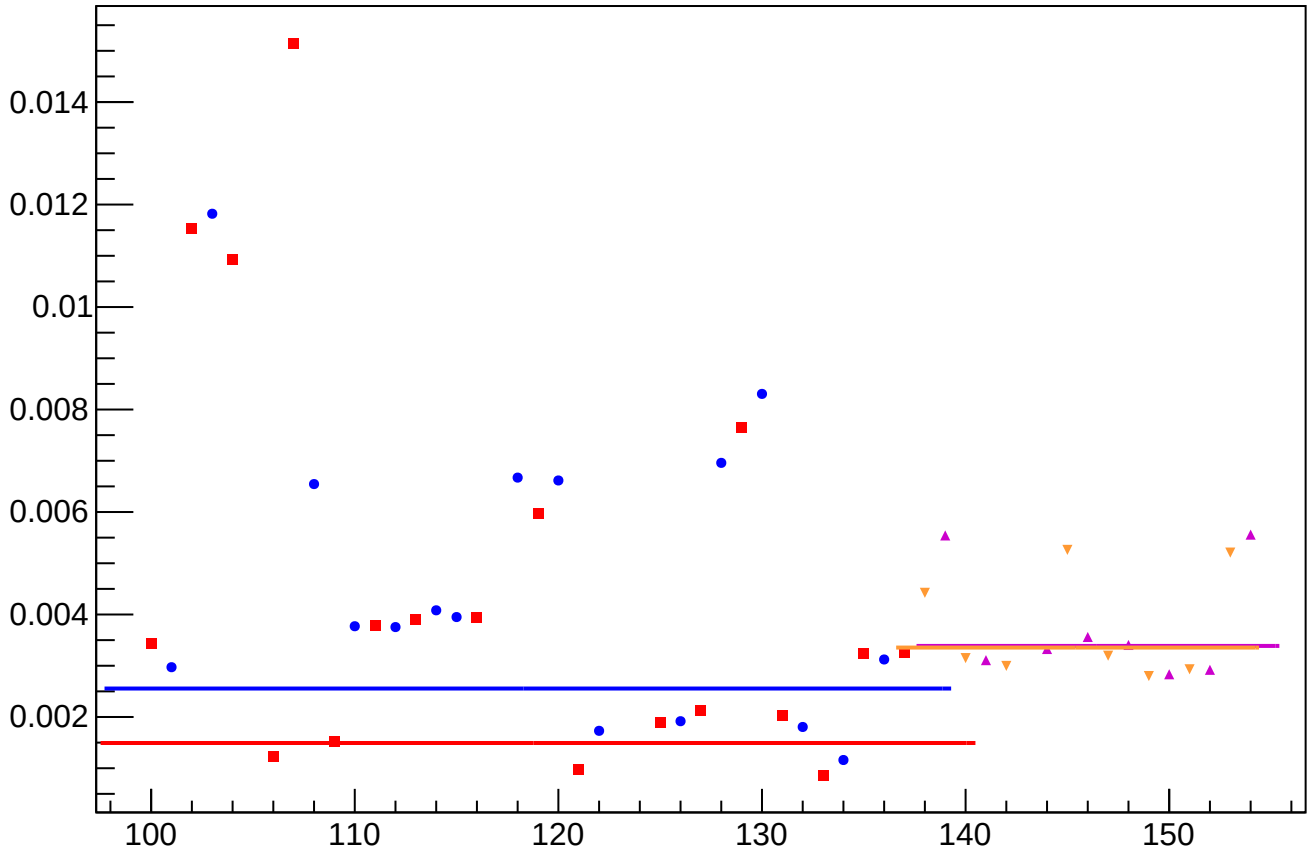
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.057+/-0.008 χ^2/NDF:1502987.4/23

Out: 38.728+/-0.009 χ^2/NDF:2052929.7/25

All: 38.901+/-0.006 χ^2/NDF: 3556691.3/49


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:4.3/7
Left: -0.000+/-0.000 χ²/NDF: 14.0/15
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:22.6/23
Out: -0.000+/-0.000 χ²/NDF:26.6/25
All: -0.000+/-0.000 χ²/NDF: 56.4/49



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:649706.2/7

Left: 0.003+/-0.000 χ^2/NDF: 1263203.6/15

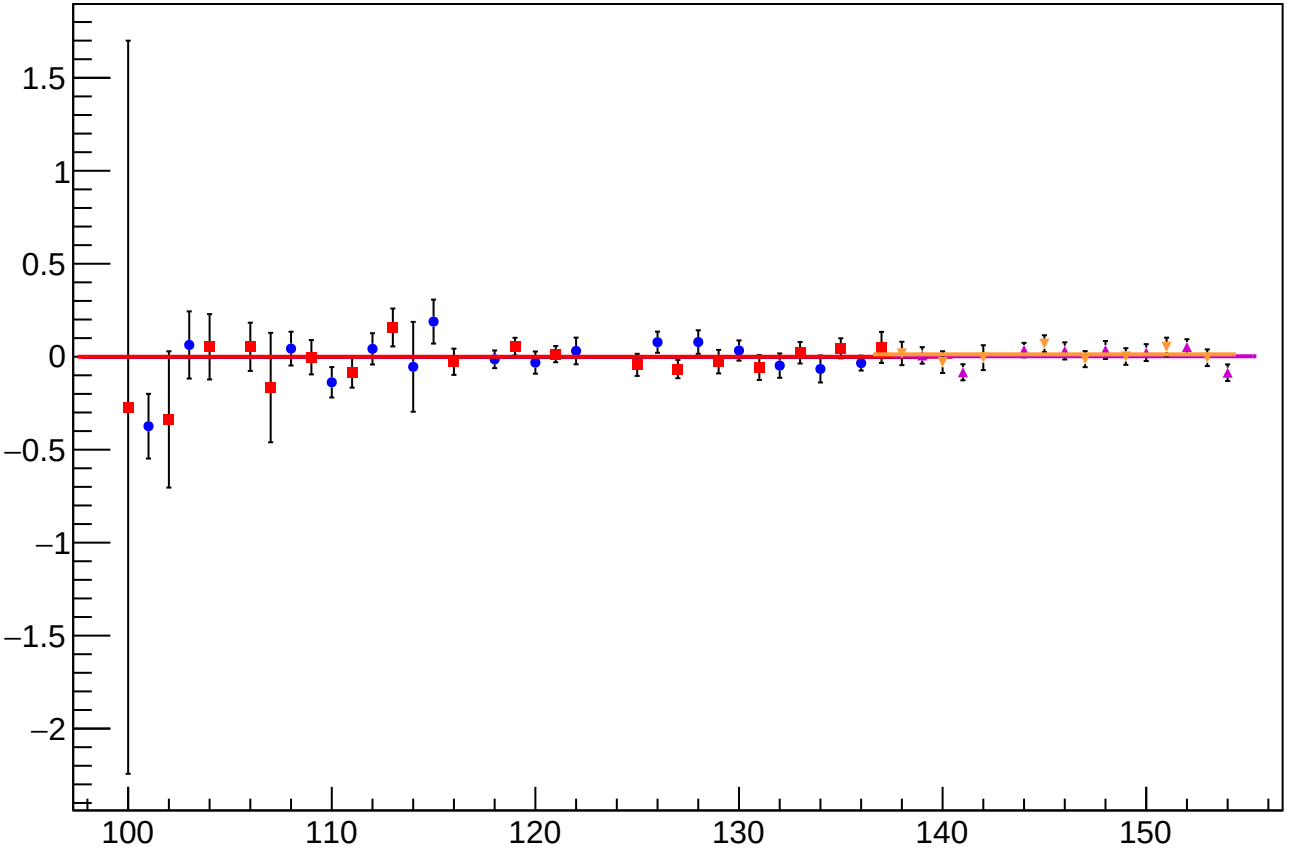
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4882505.5/23

Out: 0.002+/-0.000 χ^2/NDF:8932014.2/25

All: 0.002+/-0.000 χ^2/NDF: 15489707.3/49

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: 0.002+/-0.016 χ^2/NDF:11.1/7

Left: 0.007+/-0.012 χ^2/NDF: 14.7/15

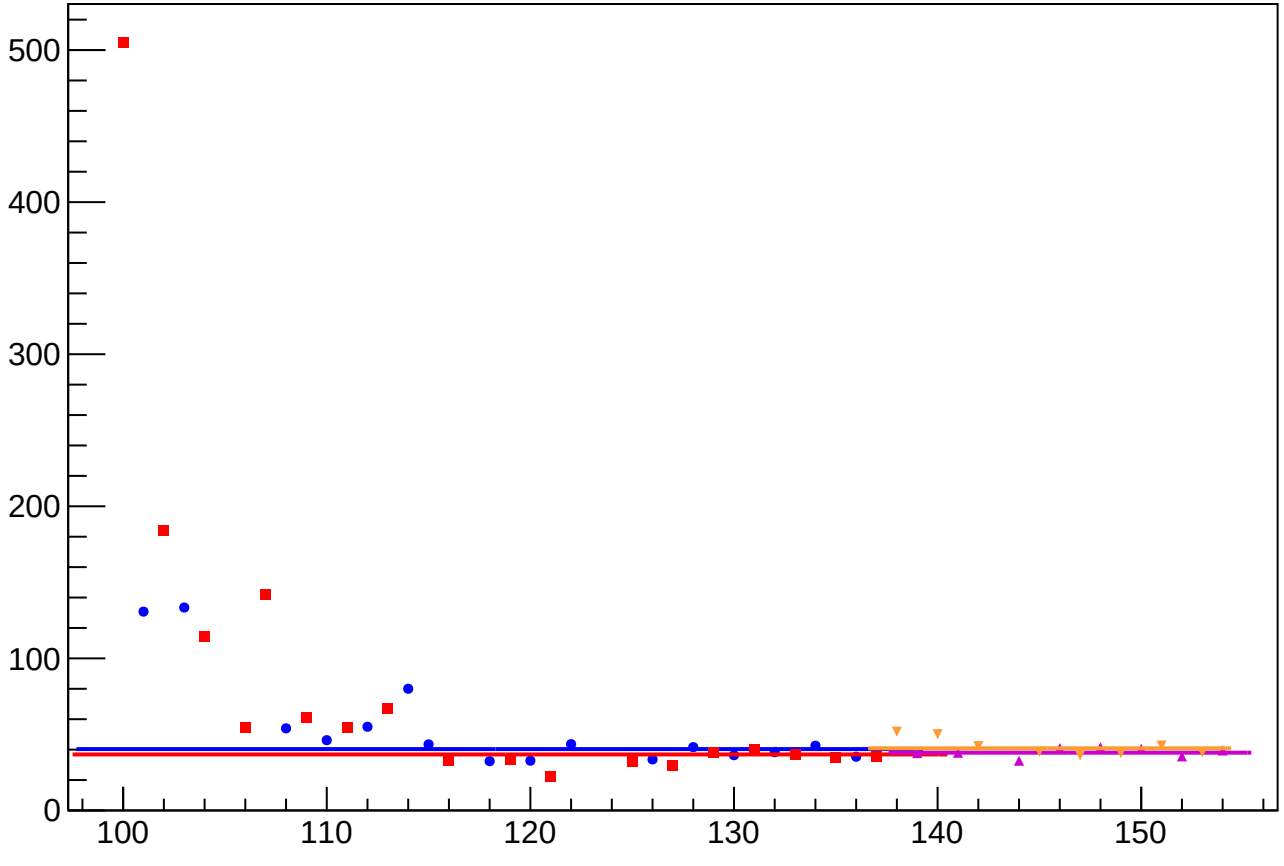
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.011 χ^2/NDF:28.2/23

Out: 0.006+/-0.012 χ^2/NDF:14.6/25

All: 0.003+/-0.008 χ^2/NDF: 43.0/49

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: 37.988+/-0.011 χ^2/NDF:71862.2/7

Left: 39.242+/-0.008 χ^2/NDF: 262258.1/15

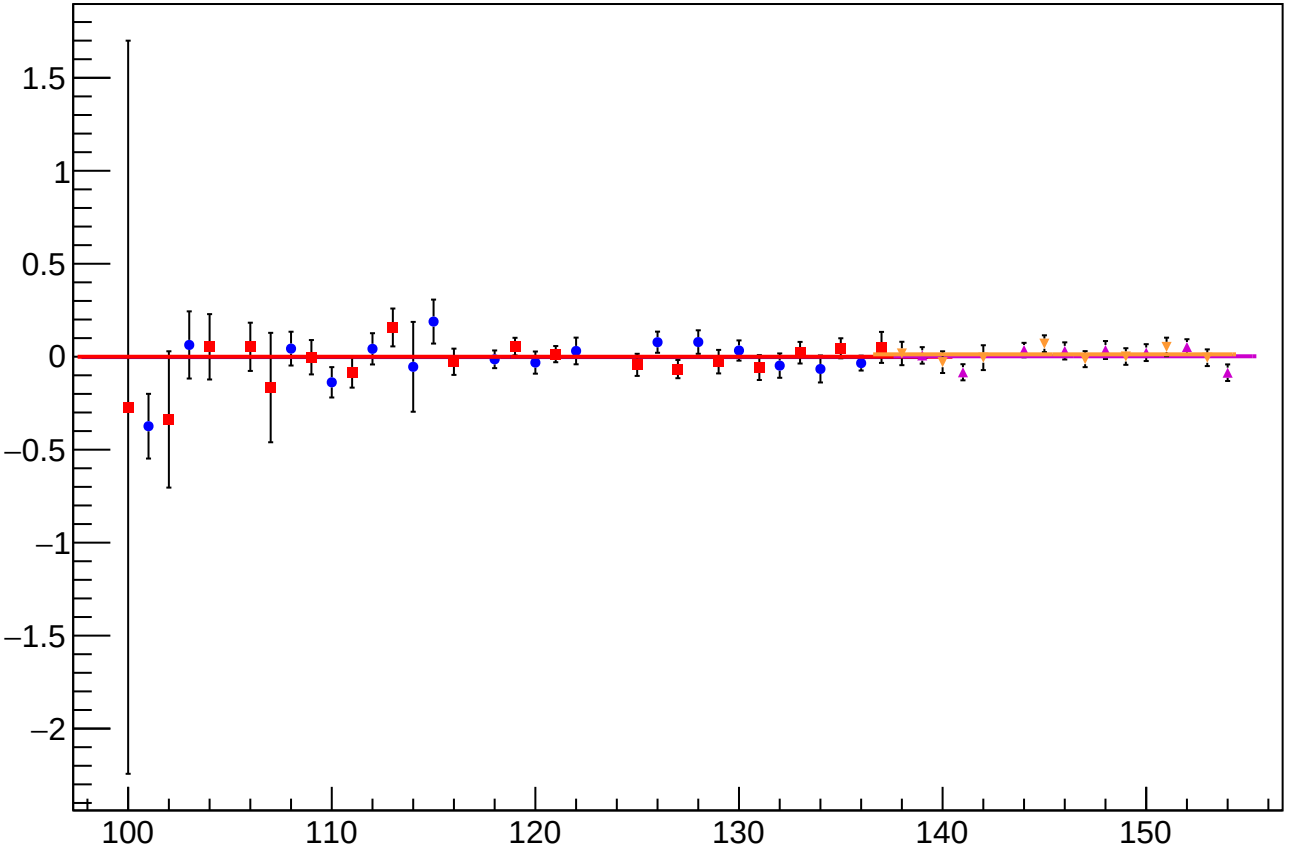
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.057+/-0.008 χ^2/NDF:1502891.5/23

Out: 38.727+/-0.009 χ^2/NDF:2052953.0/25

All: 38.901+/-0.006 χ^2/NDF: 3556622.9/49

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: 0.002+/-0.016 χ^2/NDF:11.1/7

Left: 0.007+/-0.012 χ^2/NDF: 14.7/15

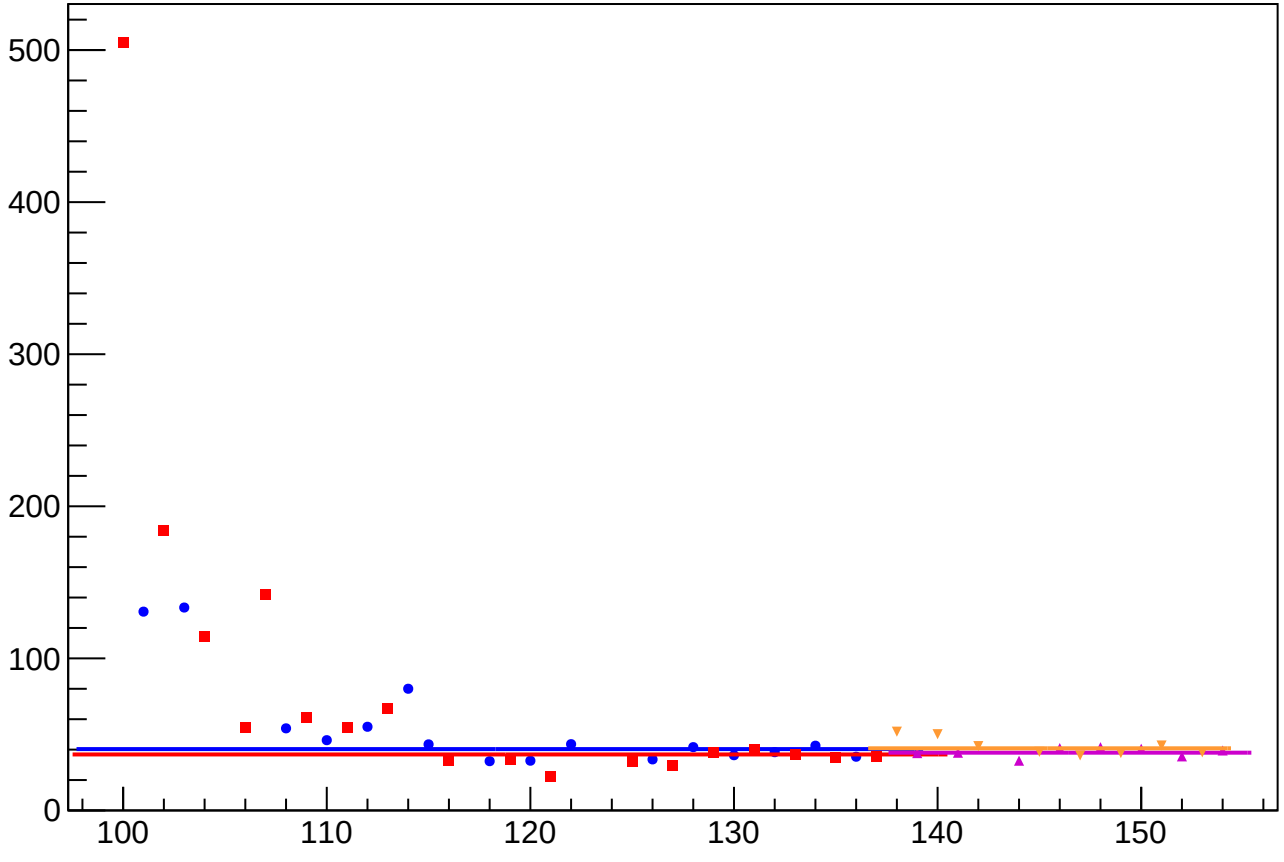
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.011 χ^2/NDF:28.2/23

Out: 0.006+/-0.012 χ^2/NDF:14.6/25

All: 0.003+/-0.008 χ^2/NDF: 43.0/49

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: 37.988+/-0.011 χ^2/NDF:71862.2/7

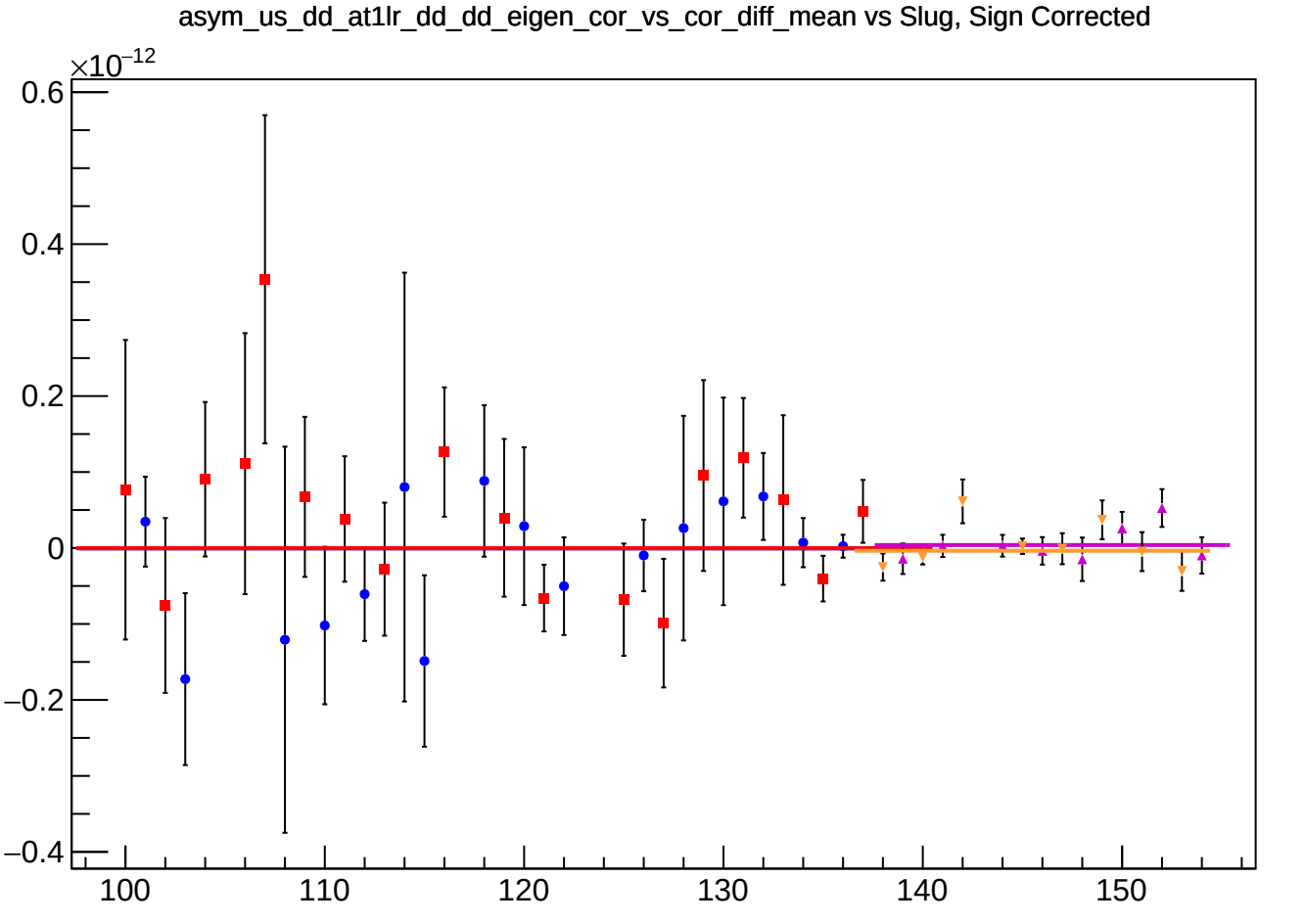
Left: 39.242+/-0.008 χ^2/NDF: 262258.1/15

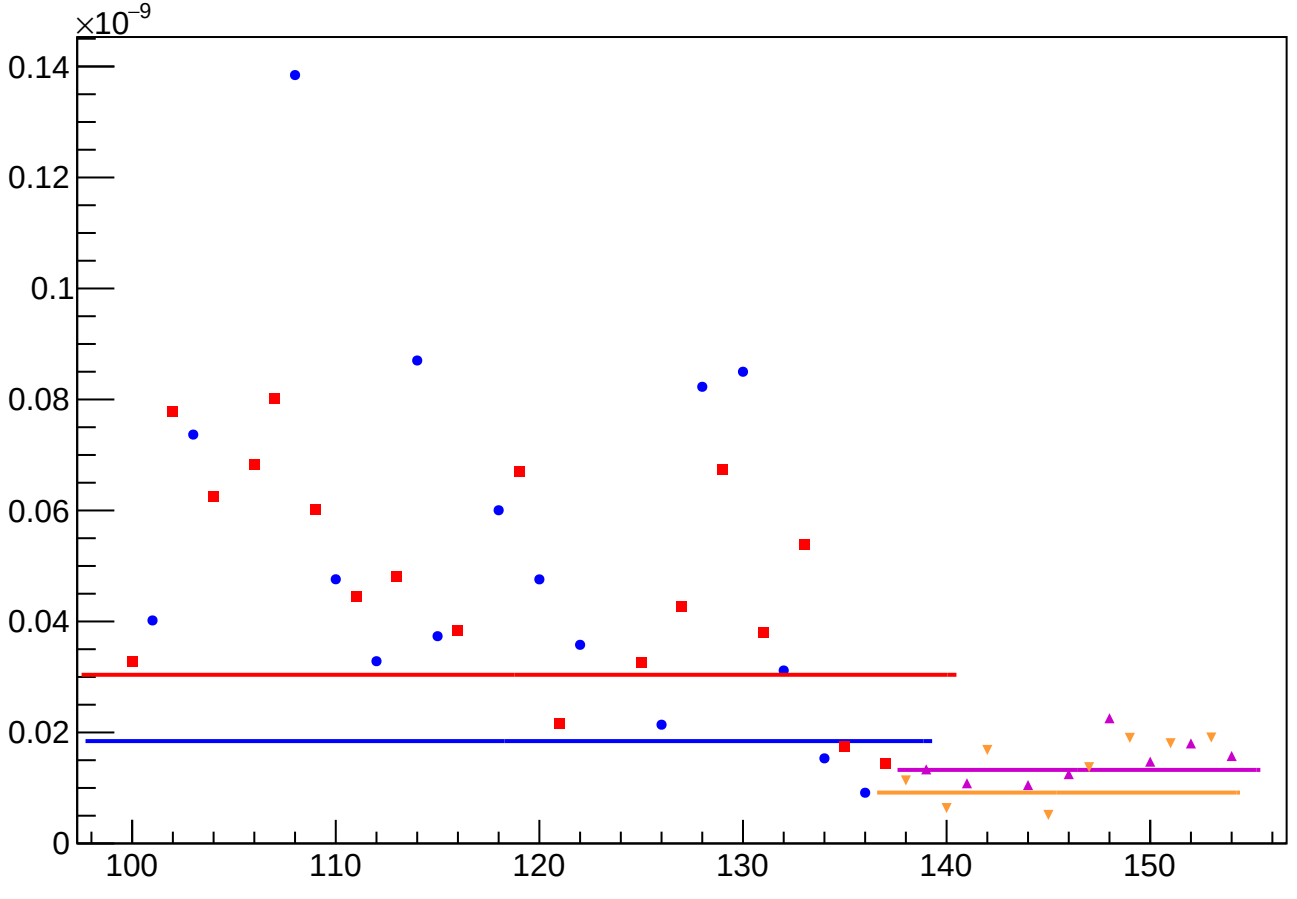
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.057+/-0.008 χ^2/NDF:1502891.5/23

Out: 38.727+/-0.009 χ^2/NDF:2052953.0/25

All: 38.901+/-0.006 χ^2/NDF: 3556622.9/49


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:6.6/7
Left: -0.000+/-0.000 χ²/NDF: 18.7/15
Right: -0.000+/-0.000 χ²/NDF: 28.2/33
In: 0.000+/-0.000 χ²/NDF:16.6/23
Out: -0.000+/-0.000 χ²/NDF:29.7/25
All: -0.000+/-0.000 χ²/NDF: 46.9/49



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:447094.6/7

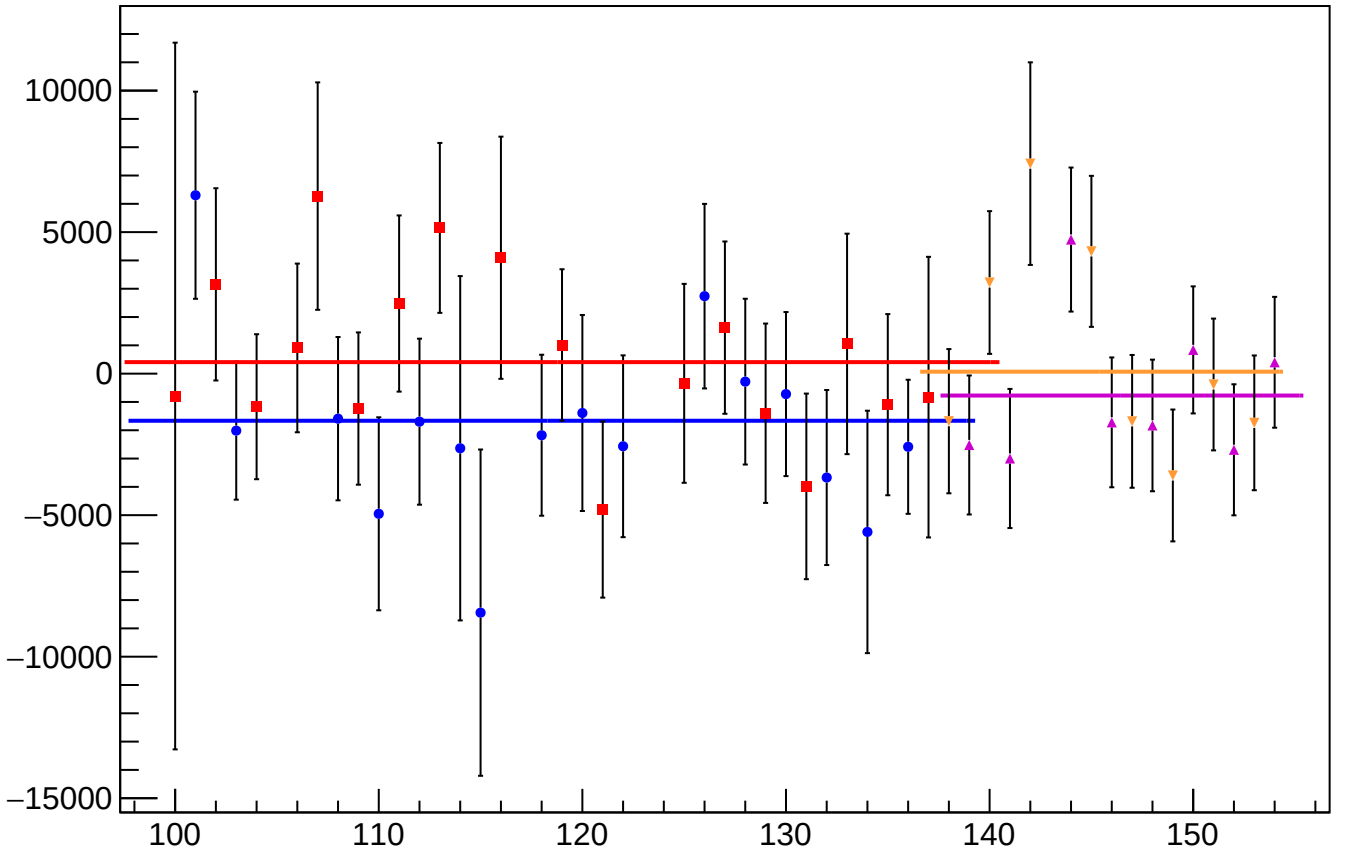
Left: 0.000+/-0.000 χ^2/NDF: 2471854.5/15

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4770559.9/23

Out: 0.000+/-0.000 χ^2/NDF:6960714.8/25

All: 0.000+/-0.000 χ^2/NDF: 12066941.3/49



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: -773.581+/-835.317 χ^2/NDF:7.9/7

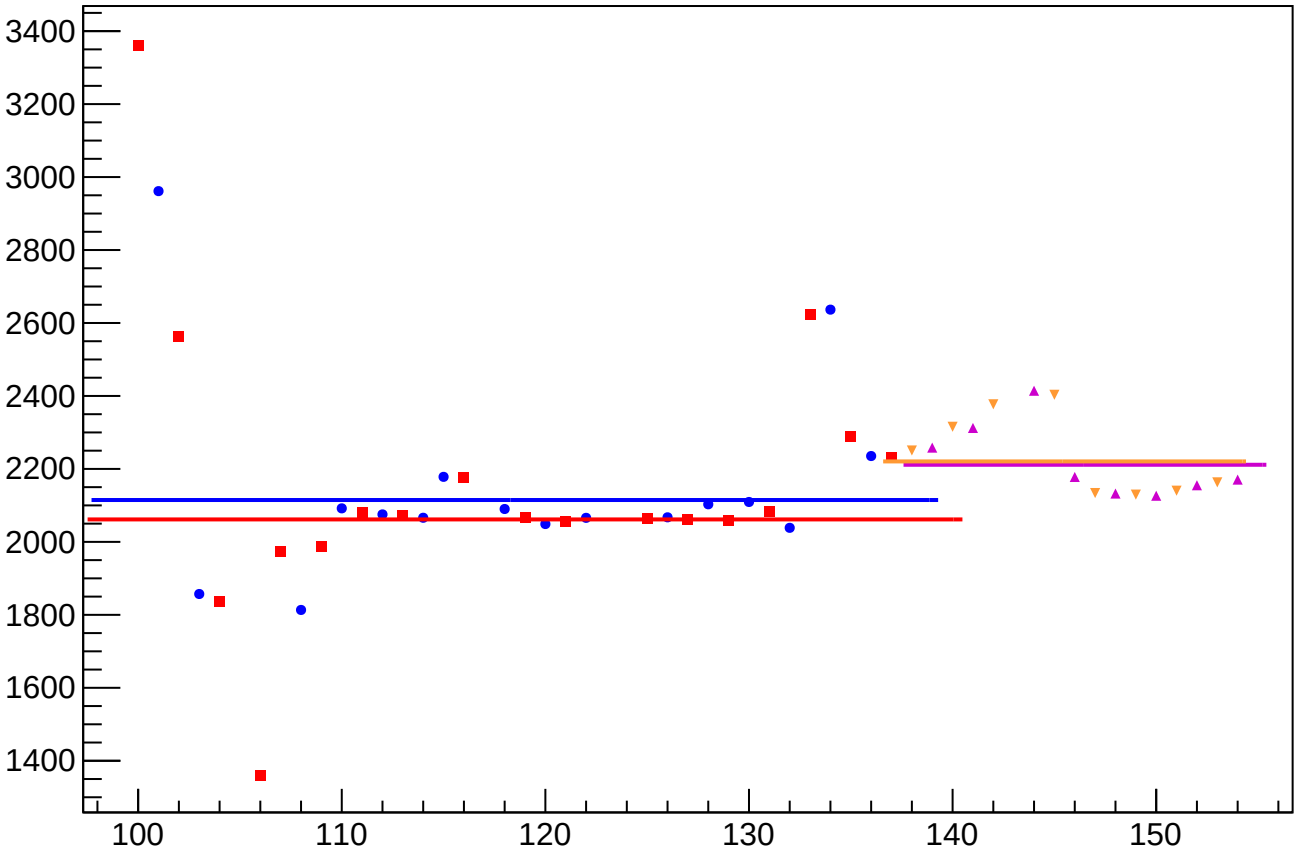
Left: -379.620+/-609.700 χ^2/NDF: 20.8/15

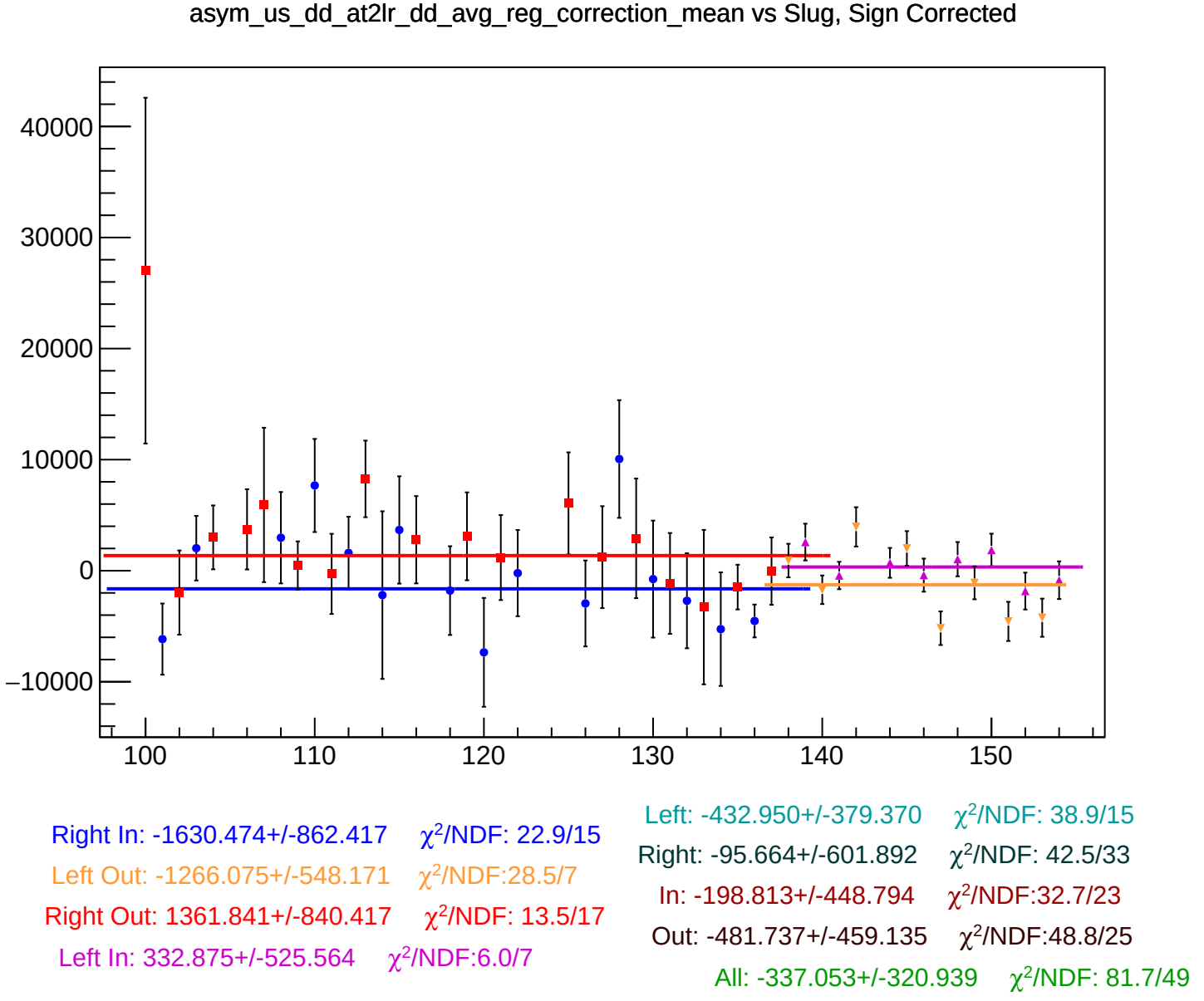
Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1242.544+/-574.795 χ^2/NDF:19.2/23

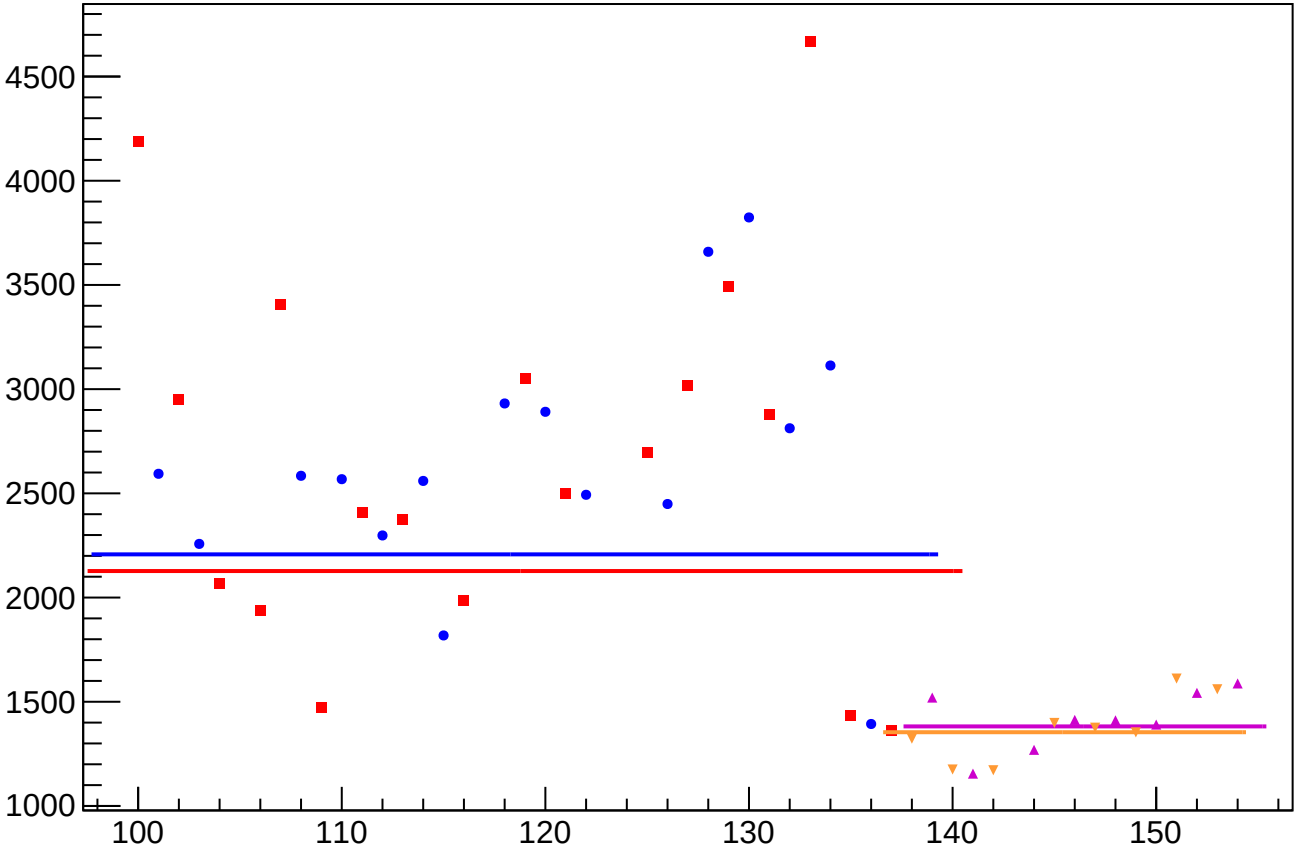
Out: 261.300+/-585.946 χ^2/NDF:25.3/25

All: -505.068+/-410.327 χ^2/NDF: 47.9/49


reg_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
Right In: 2114.755+/-0.560 χ²/NDF: 189920.6/15
Left Out: 2220.541+/-0.631 χ²/NDF:25638.1/7
Right Out: 2061.560+/-0.550 χ²/NDF: 249186.6/17
Left In: 2211.372+/-0.591 χ²/NDF:24209.7/7
Left: 2215.656+/-0.431 χ²/NDF: 49960.4/15
Right: 2087.649+/-0.392 χ²/NDF: 443702.7/33
In: 2160.503+/-0.406 χ²/NDF:228217.5/23
Out: 2130.167+/-0.414 χ²/NDF:310943.3/25
All: 2145.627+/-0.290 χ²/NDF: 541892.7/49


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: 332.875+/-525.564 χ²/NDF:6.0/7
Left: -432.950+/-379.370 χ²/NDF: 38.9/15
Right: -95.664+/-601.892 χ²/NDF: 42.5/33
In: -198.813+/-448.794 χ²/NDF:32.7/23
Out: -481.737+/-459.135 χ²/NDF:48.8/25
All: -337.053+/-320.939 χ²/NDF: 81.7/49

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1353.854+/-0.388 χ^2/NDF:134344.8/7

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1381.729+/-0.372 χ^2/NDF:145476.5/7

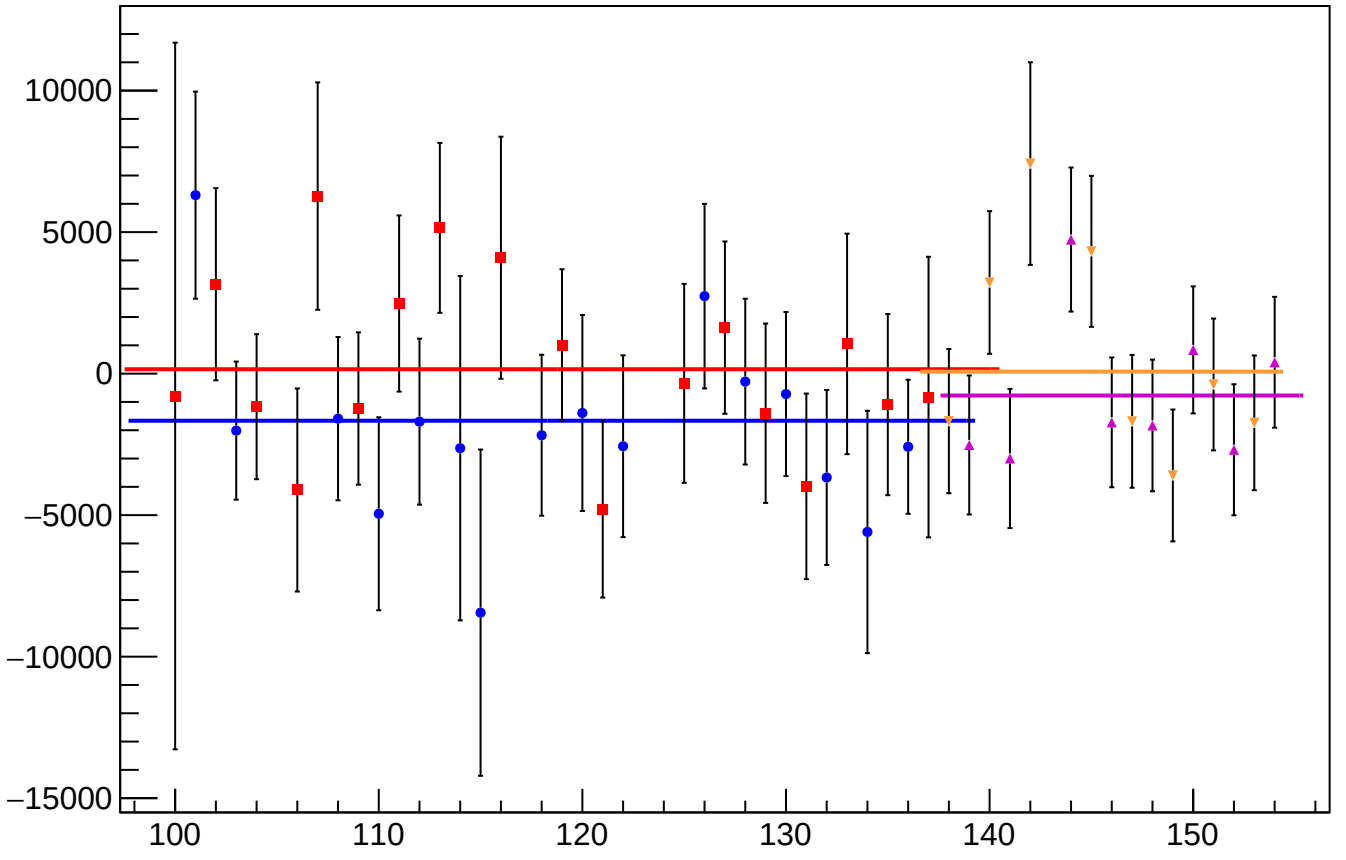
Left: 1368.378+/-0.268 χ^2/NDF: 282515.9/15

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1605.286+/-0.317 χ^2/NDF:2731027.4/23

Out: 1584.677+/-0.325 χ^2/NDF:2780524.9/25

All: 1595.216+/-0.227 χ^2/NDF: 5513613.1/49



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: -773.502+/-835.317 χ^2/NDF:7.9/7

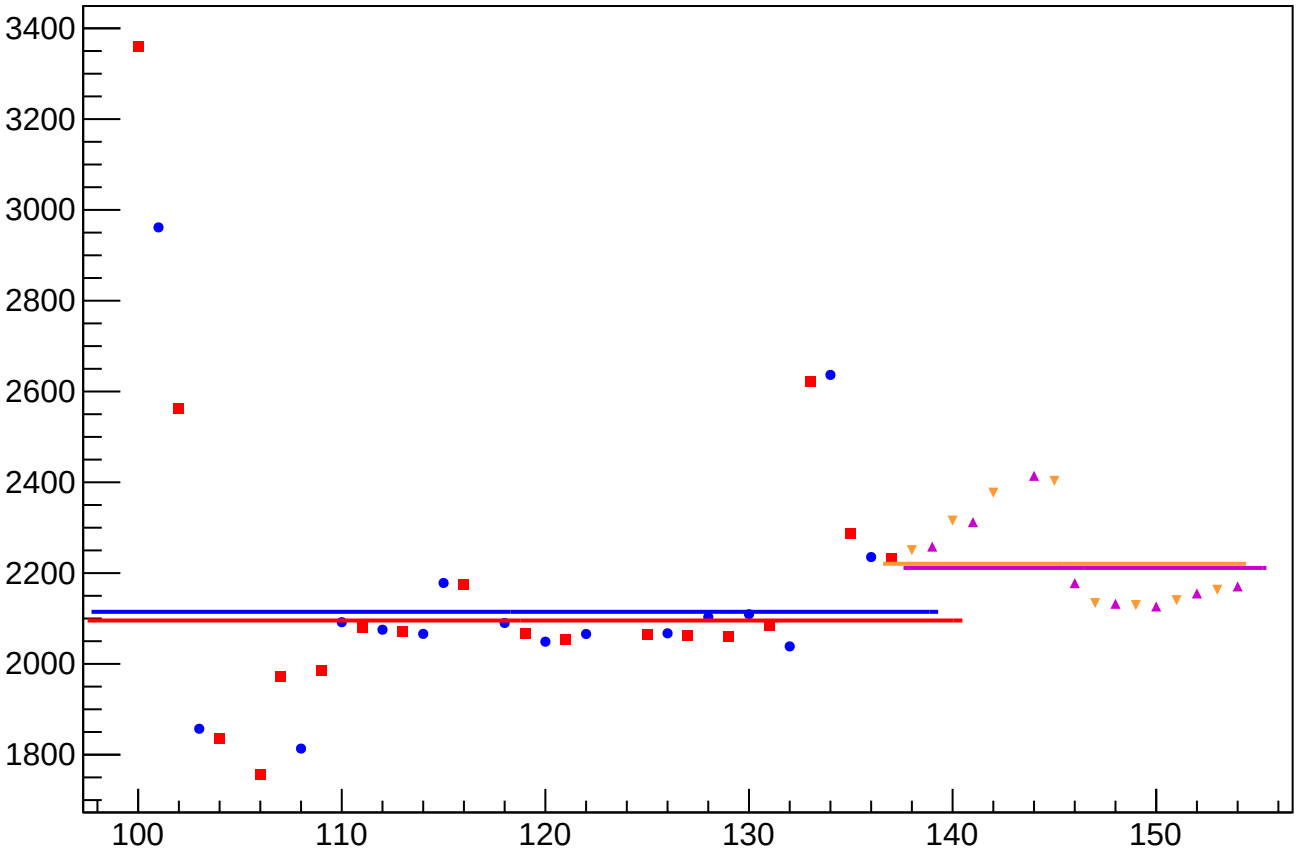
Left: -379.510+/-609.700 χ^2/NDF: 20.8/15

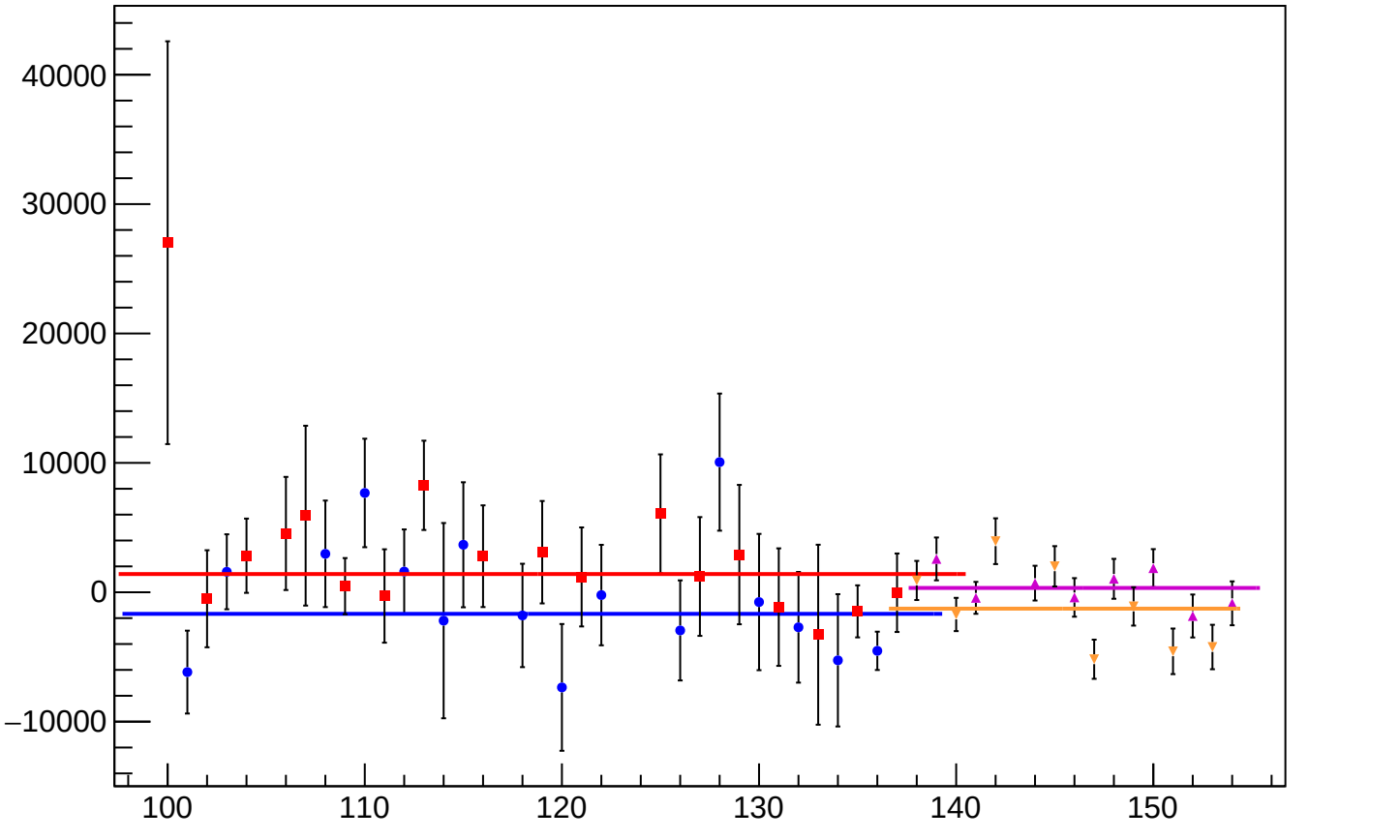
Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1242.468+/-574.795 χ^2/NDF:19.2/23

Out: 118.190+/-589.488 χ^2/NDF:26.6/25

All: -579.308+/-411.538 χ^2/NDF: 48.6/49


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: 2211.372+/-0.591 χ²/NDF:24209.7/7
Left: 2215.656+/-0.431 χ²/NDF: 49960.4/15
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2160.503+/-0.406 χ²/NDF:228217.9/23
Out: 2150.170+/-0.417 χ²/NDF:197101.8/25
All: 2155.467+/-0.291 χ²/NDF: 425634.7/49



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: 332.874+/-525.563 χ^2/NDF:6.0/7

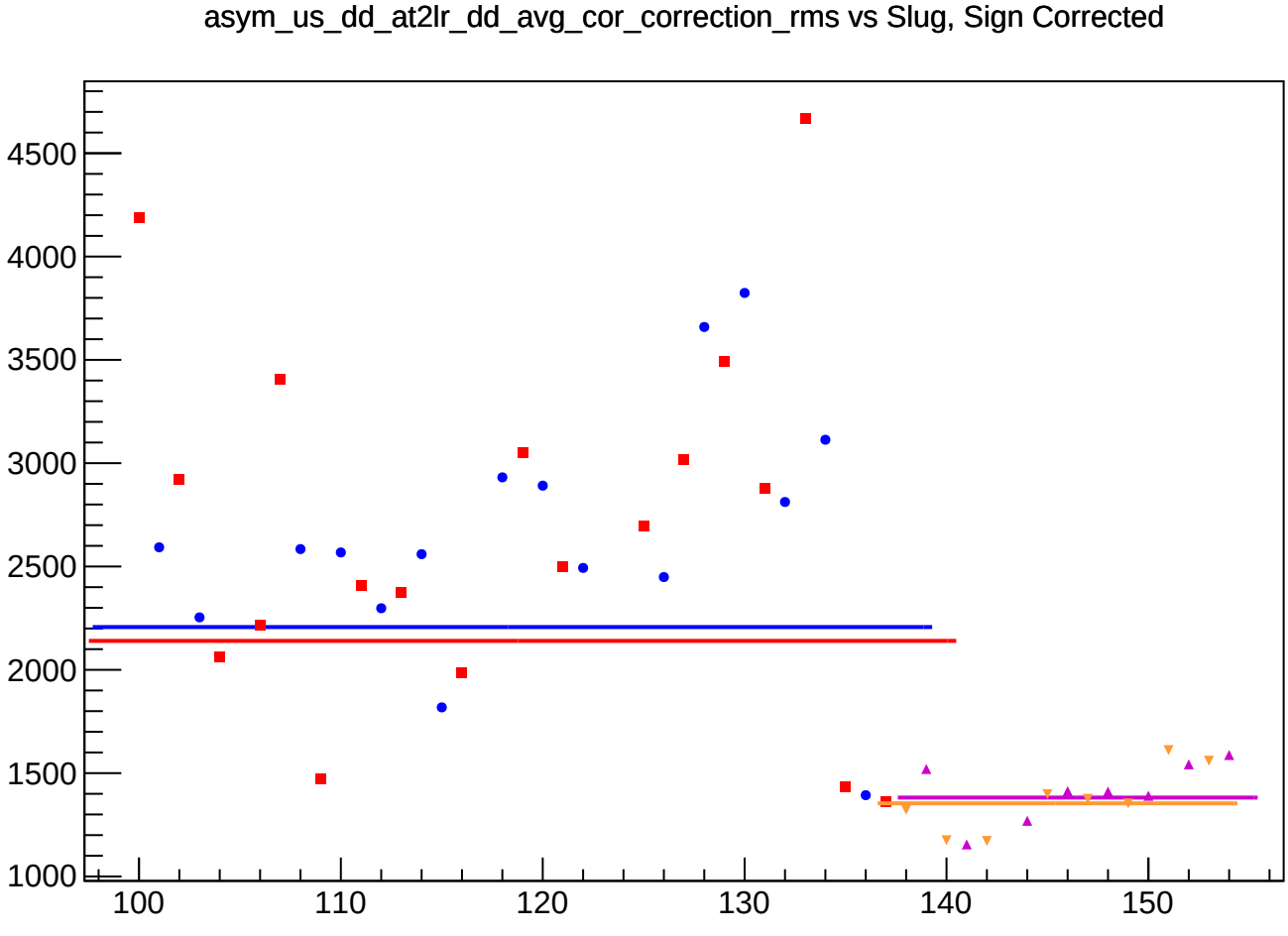
Left: -432.959+/-379.371 χ^2/NDF: 38.9/15

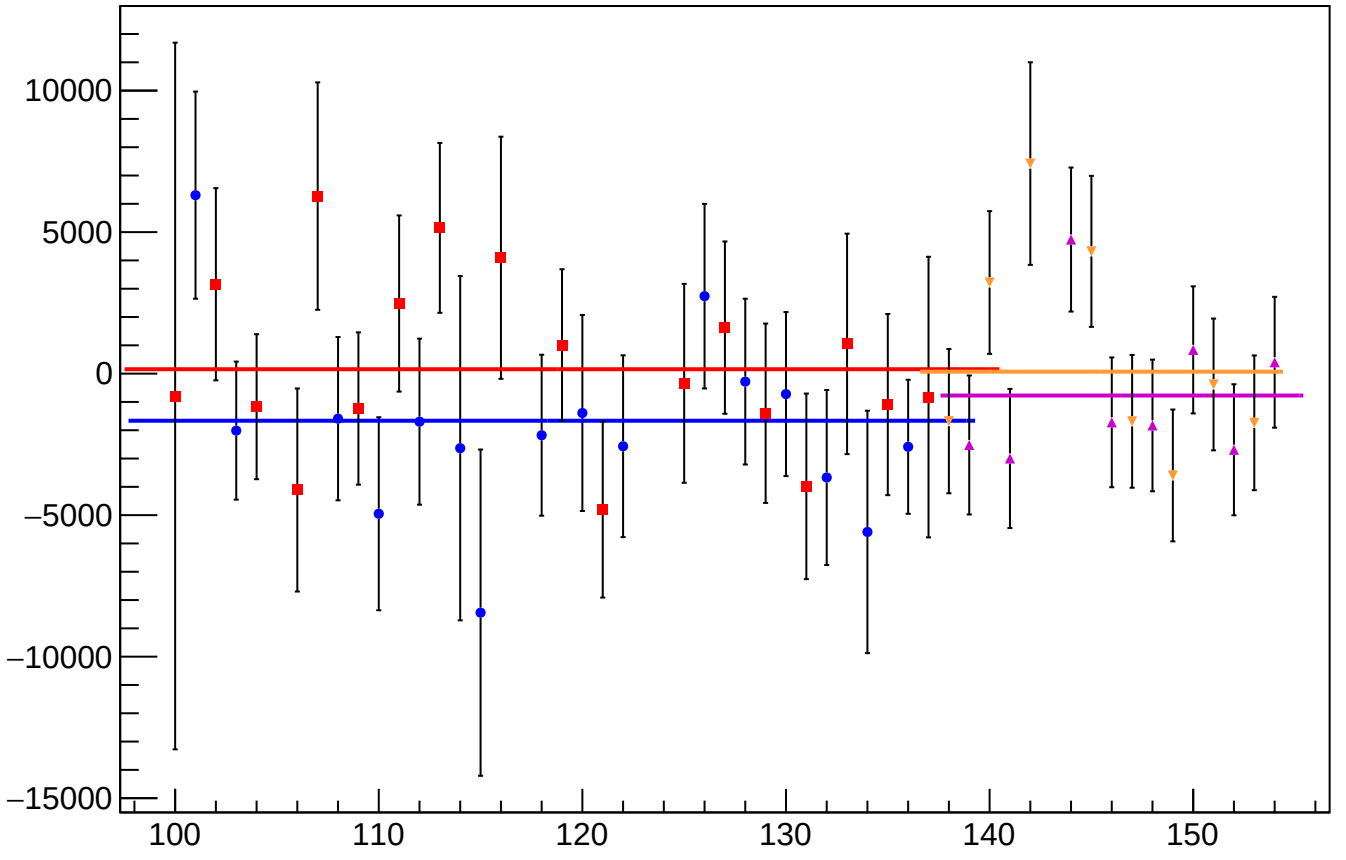
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -209.372+/-448.752 χ^2/NDF:32.5/23

Out: -476.783+/-460.214 χ^2/NDF:48.5/25

All: -339.706+/-321.291 χ^2/NDF: 81.1/49


asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 2206.918+/-0.610 χ²/NDF: 1249024.4/15
Left Out: 1353.869+/-0.388 χ²/NDF:134304.1/7
Right Out: 2140.060+/-0.599 χ²/NDF: 1448366.8/17
Left In: 1381.725+/-0.372 χ²/NDF:145506.0/7
Left: 1368.383+/-0.268 χ²/NDF: 282500.9/15
Right: 2172.900+/-0.427 χ²/NDF: 2703511.1/33
In: 1605.302+/-0.317 χ²/NDF:2730399.3/23
Out: 1585.935+/-0.325 χ²/NDF:2796977.9/25
All: 1595.862+/-0.227 χ²/NDF: 5529192.8/49



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: -773.502+/-835.317 χ^2/NDF:7.9/7

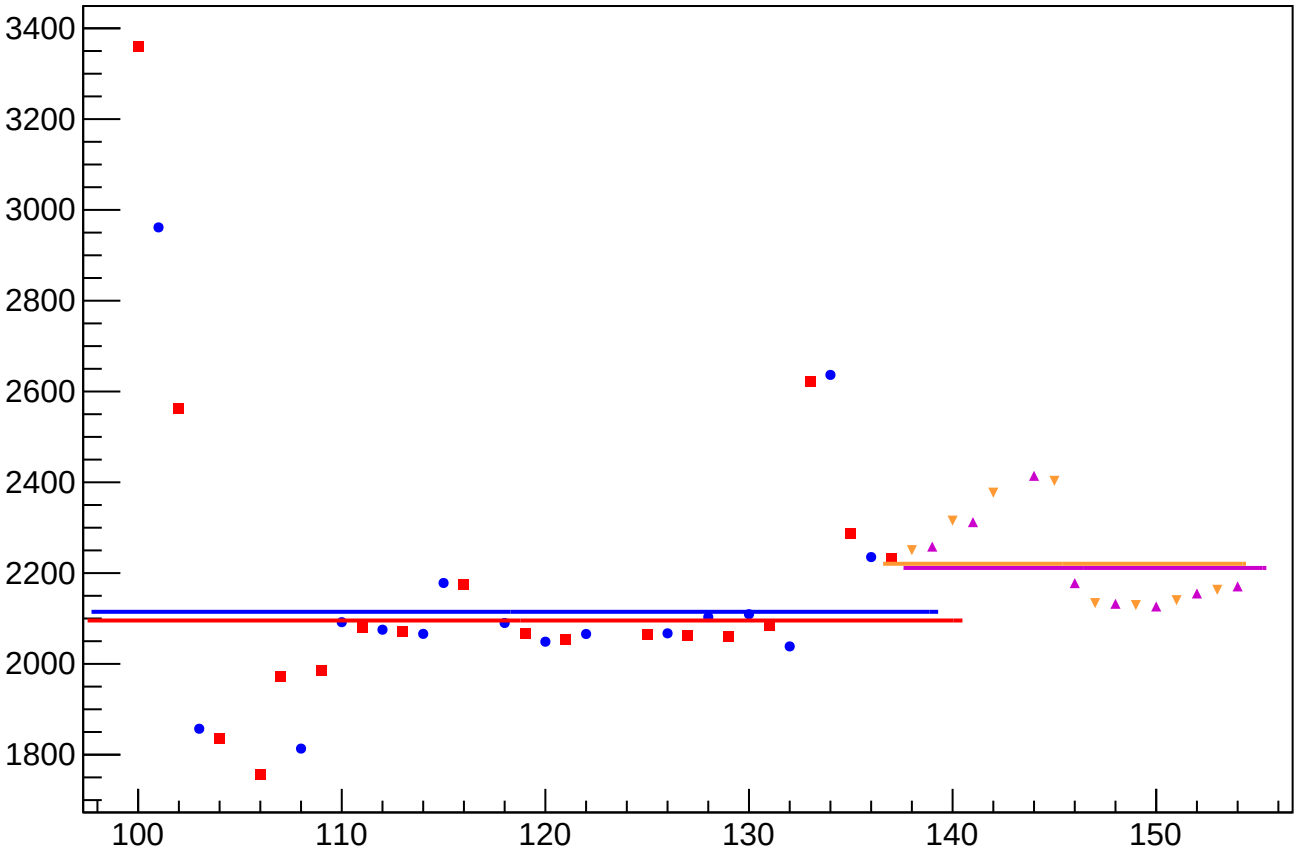
Left: -379.510+/-609.700 χ^2/NDF: 20.8/15

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1242.468+/-574.795 χ^2/NDF:19.2/23

Out: 118.190+/-589.488 χ^2/NDF:26.6/25

All: -579.308+/-411.538 χ^2/NDF: 48.6/49



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: 2211.372+/-0.591 χ^2/NDF:24209.7/7

Left: 2215.656+/-0.431 χ^2/NDF: 49960.4/15

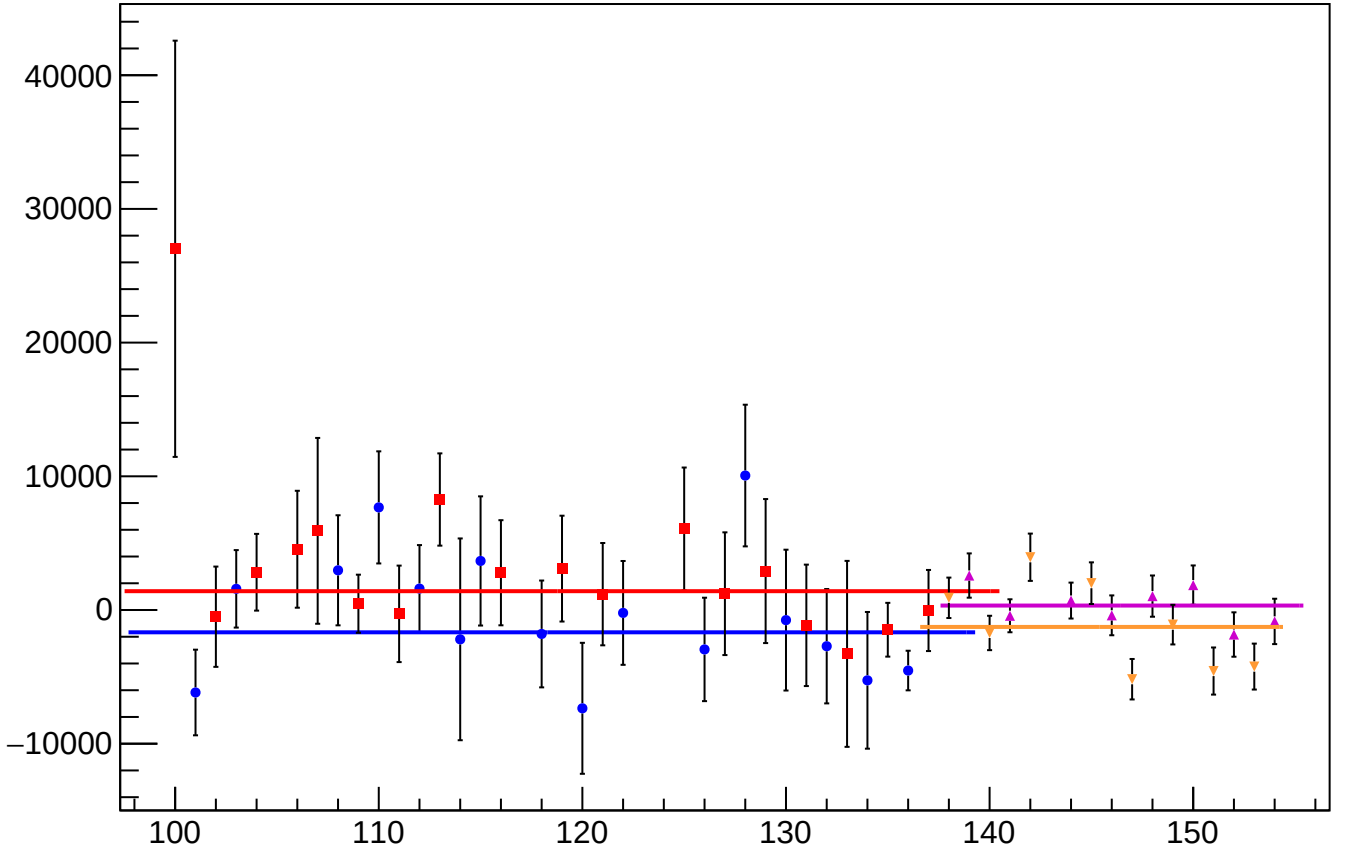
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2160.503+/-0.406 χ^2/NDF:228217.9/23

Out: 2150.170+/-0.417 χ^2/NDF:197101.8/25

All: 2155.467+/-0.291 χ^2/NDF: 425634.7/49

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: 332.874+/-525.563 χ^2/NDF:6.0/7

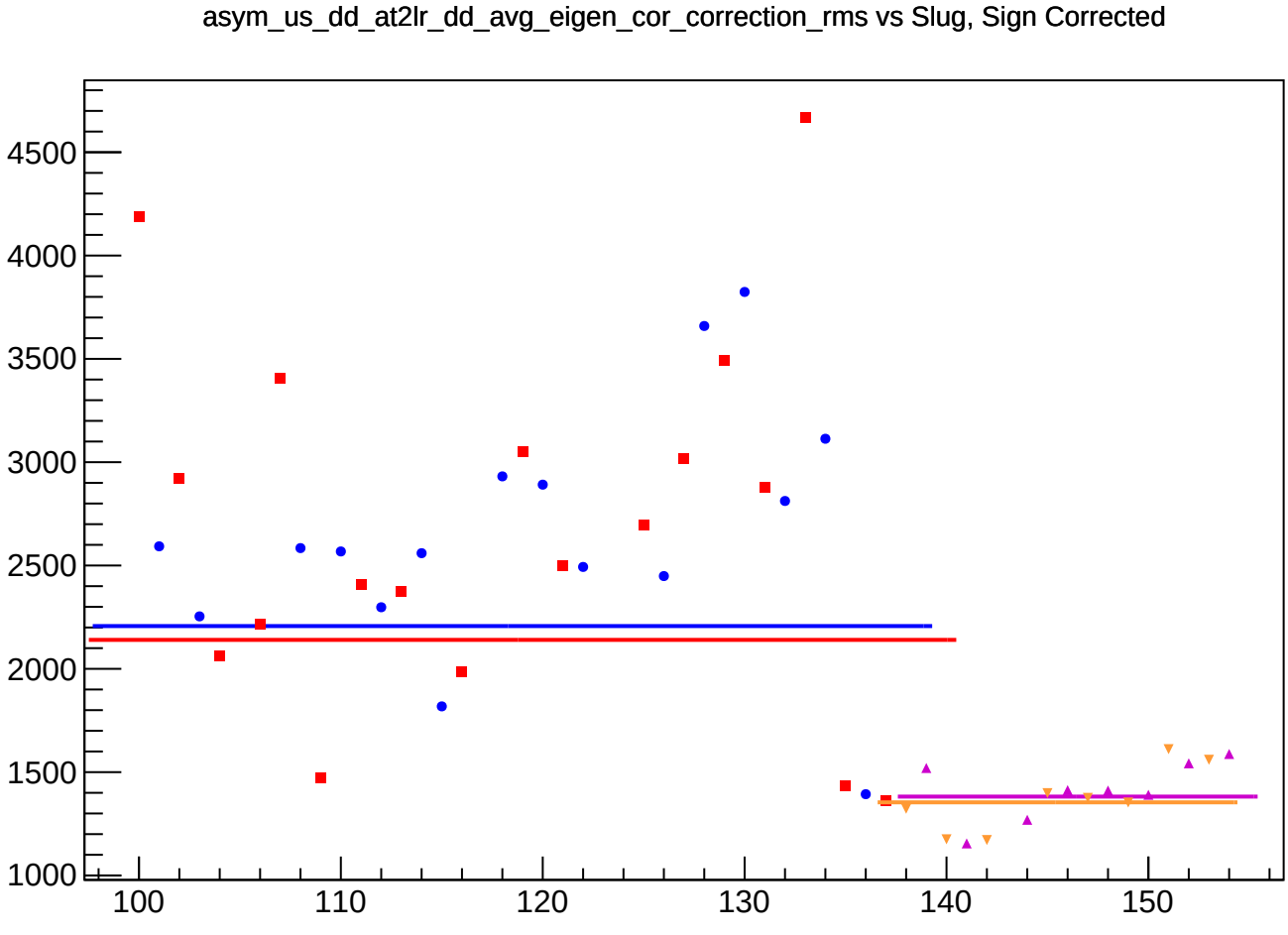
Left: -432.959+/-379.371 χ^2/NDF: 38.9/15

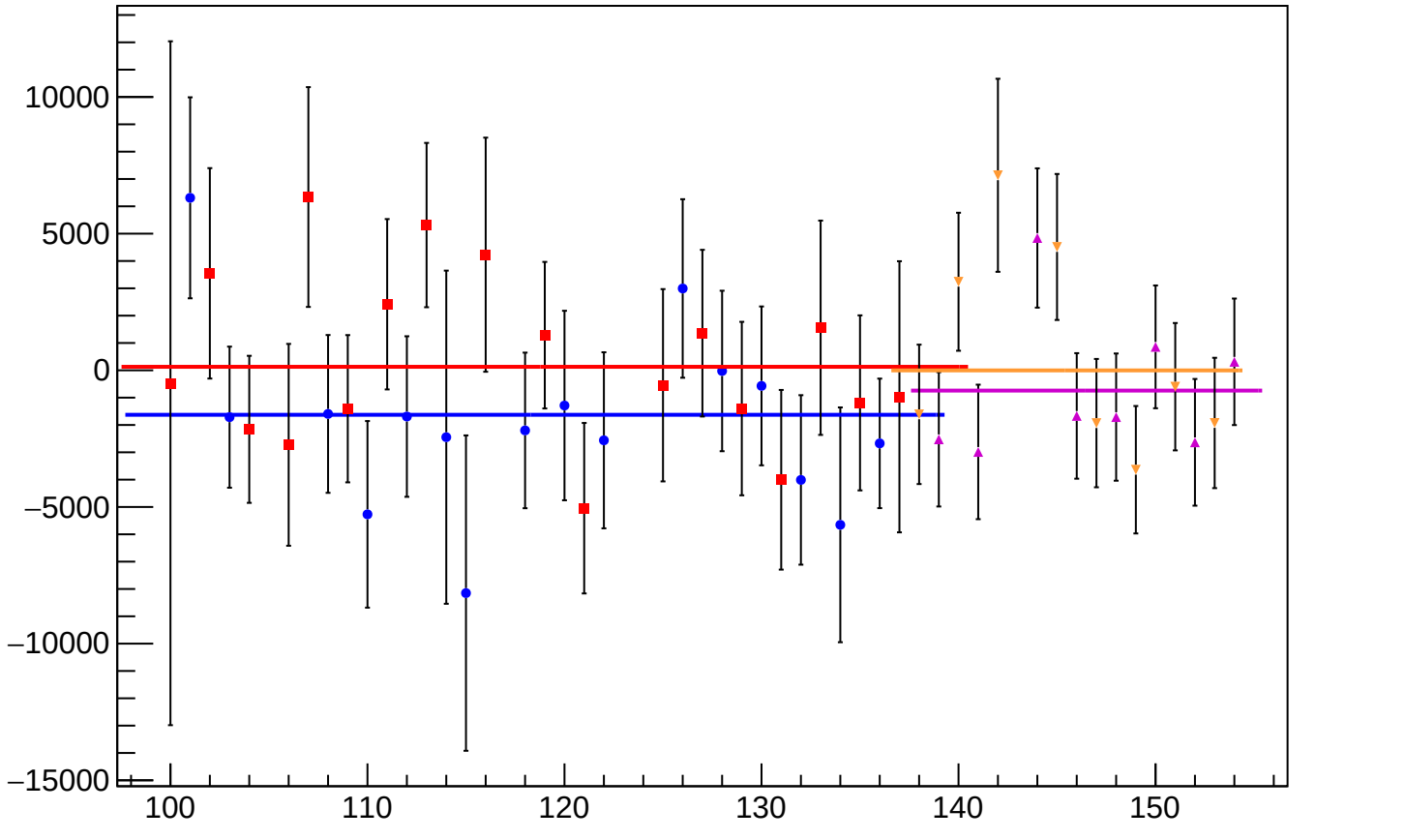
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -209.372+/-448.752 χ^2/NDF:32.5/23

Out: -476.783+/-460.214 χ^2/NDF:48.5/25

All: -339.706+/-321.291 χ^2/NDF: 81.1/49


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 2206.918+/-0.610 χ²/NDF: 1249024.4/15
Left Out: 1353.869+/-0.388 χ²/NDF:134304.1/7
Right Out: 2140.060+/-0.599 χ²/NDF: 1448366.8/17
Left In: 1381.725+/-0.372 χ²/NDF:145506.0/7
Left: 1368.383+/-0.268 χ²/NDF: 282500.9/15
Right: 2172.900+/-0.427 χ²/NDF: 2703511.1/33
In: 1605.302+/-0.317 χ²/NDF:2730399.3/23
Out: 1585.935+/-0.325 χ²/NDF:2796977.9/25
All: 1595.862+/-0.227 χ²/NDF: 5529192.8/49



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -2.935+/-892.094 χ^2/NDF:12.8/7

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -741.619+/-836.188 χ^2/NDF:7.9/7

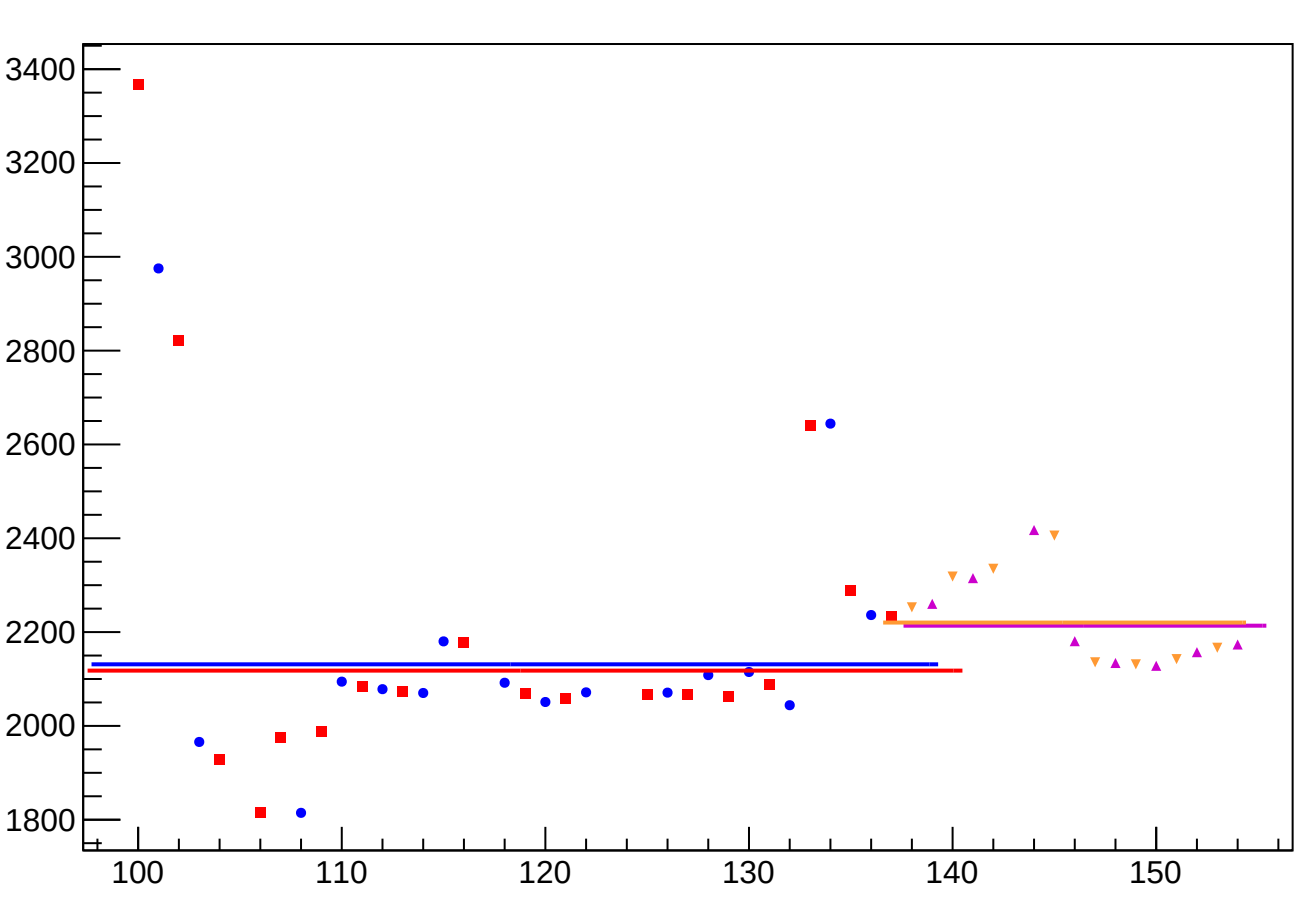
Left: -396.147+/-610.082 χ^2/NDF: 21.1/15

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1205.339+/-577.287 χ^2/NDF:19.8/23

Out: 70.026+/-593.894 χ^2/NDF:27.4/25

All: -585.737+/-413.950 χ^2/NDF: 49.5/49



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: 2213.658+/-0.591 χ^2/NDF:24358.5/7

Left: 2216.773+/-0.431 χ^2/NDF: 48283.7/15

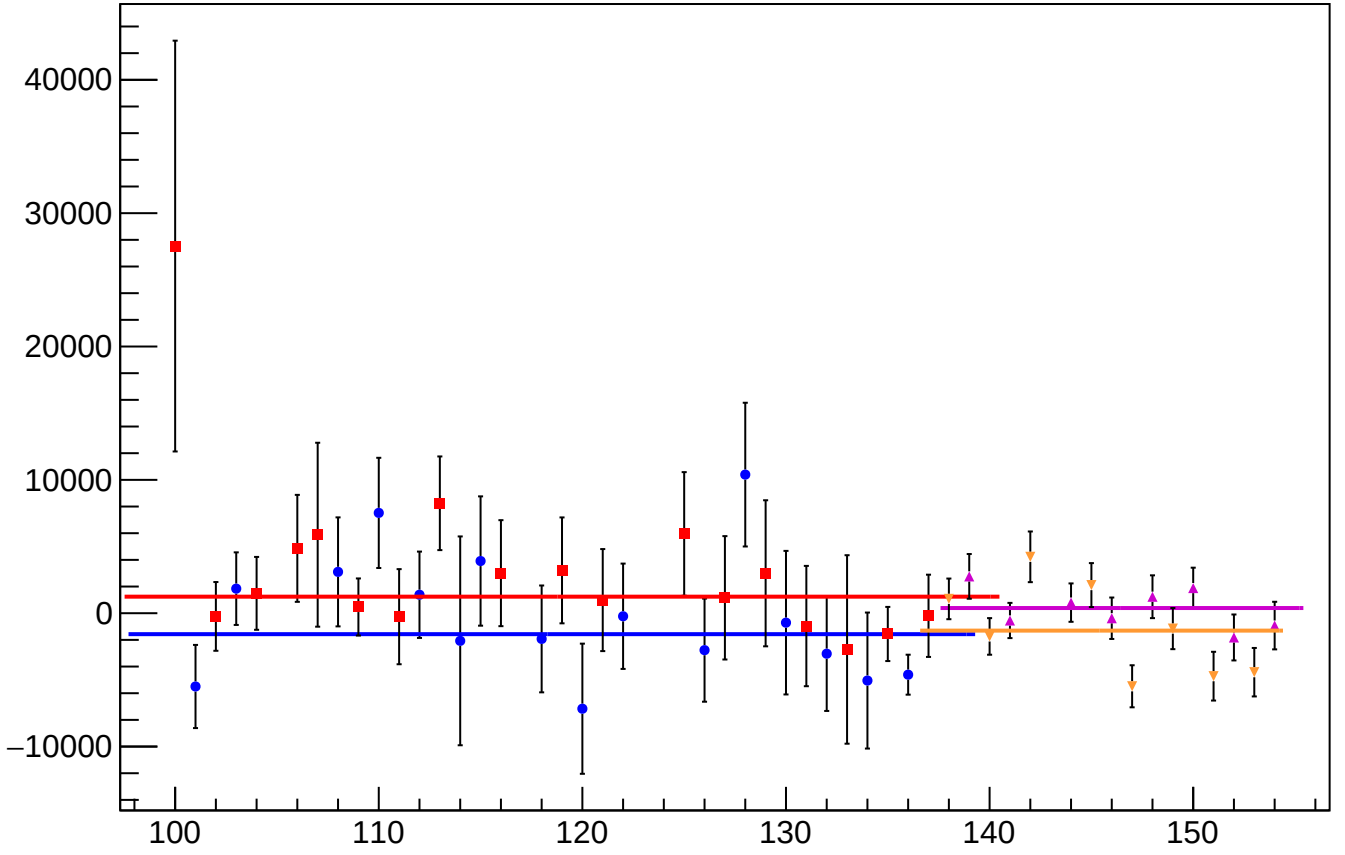
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2170.553+/-0.408 χ^2/NDF:210456.5/23

Out: 2163.273+/-0.420 χ^2/NDF:202176.0/25

All: 2167.016+/-0.293 χ^2/NDF: 412787.0/49

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1304.863+/-574.464 χ^2/NDF:28.8/7

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 388.339+/-550.996 χ^2/NDF:6.2/7

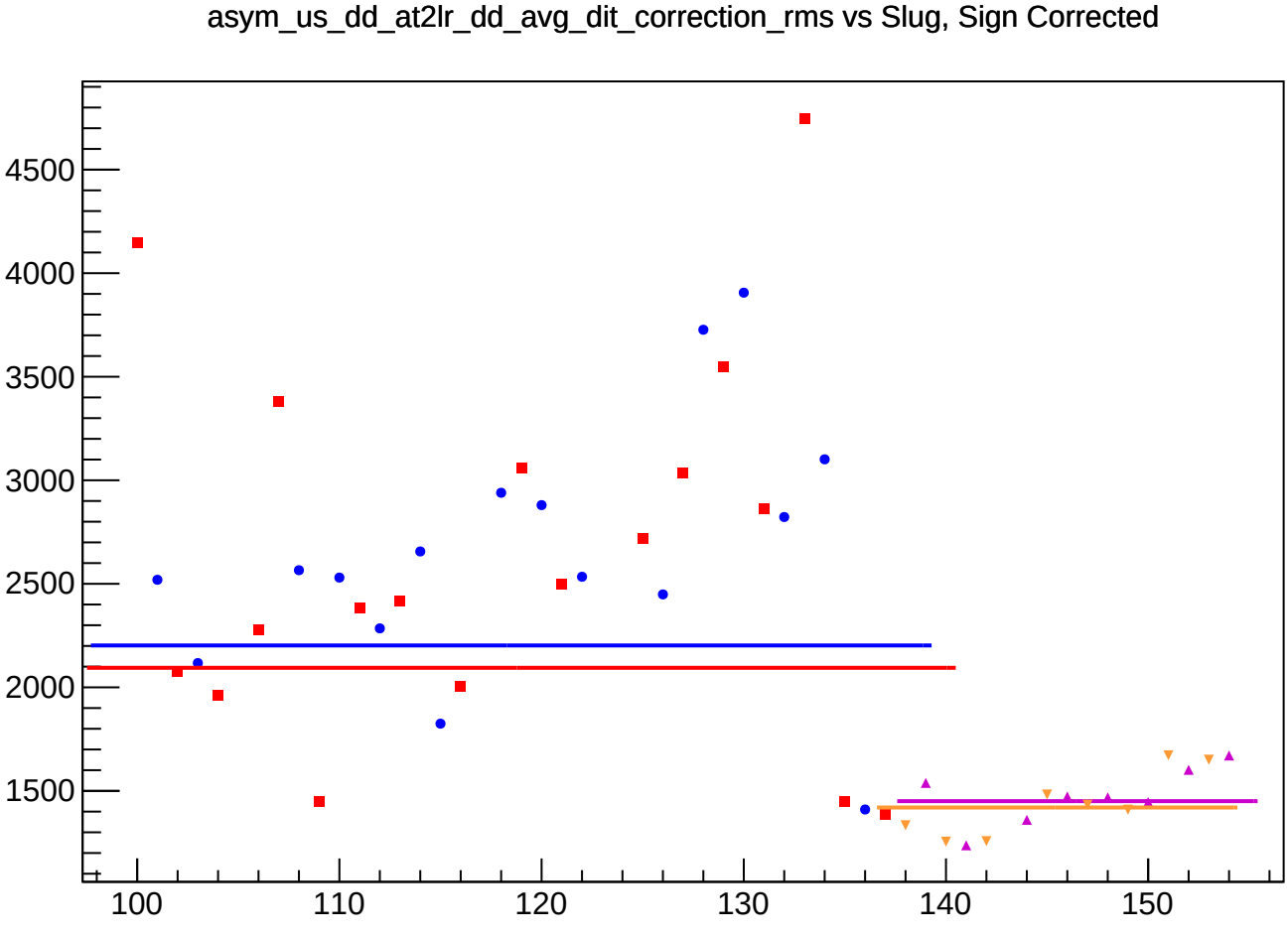
Left: -422.970+/-397.651 χ^2/NDF: 39.5/15

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -182.131+/-463.903 χ^2/NDF:32.5/23

Out: -466.413+/-470.452 χ^2/NDF:48.3/25

All: -322.279+/-330.320 χ^2/NDF: 81.0/49



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: 1450.550+/-0.390 χ^2/NDF:112196.9/7

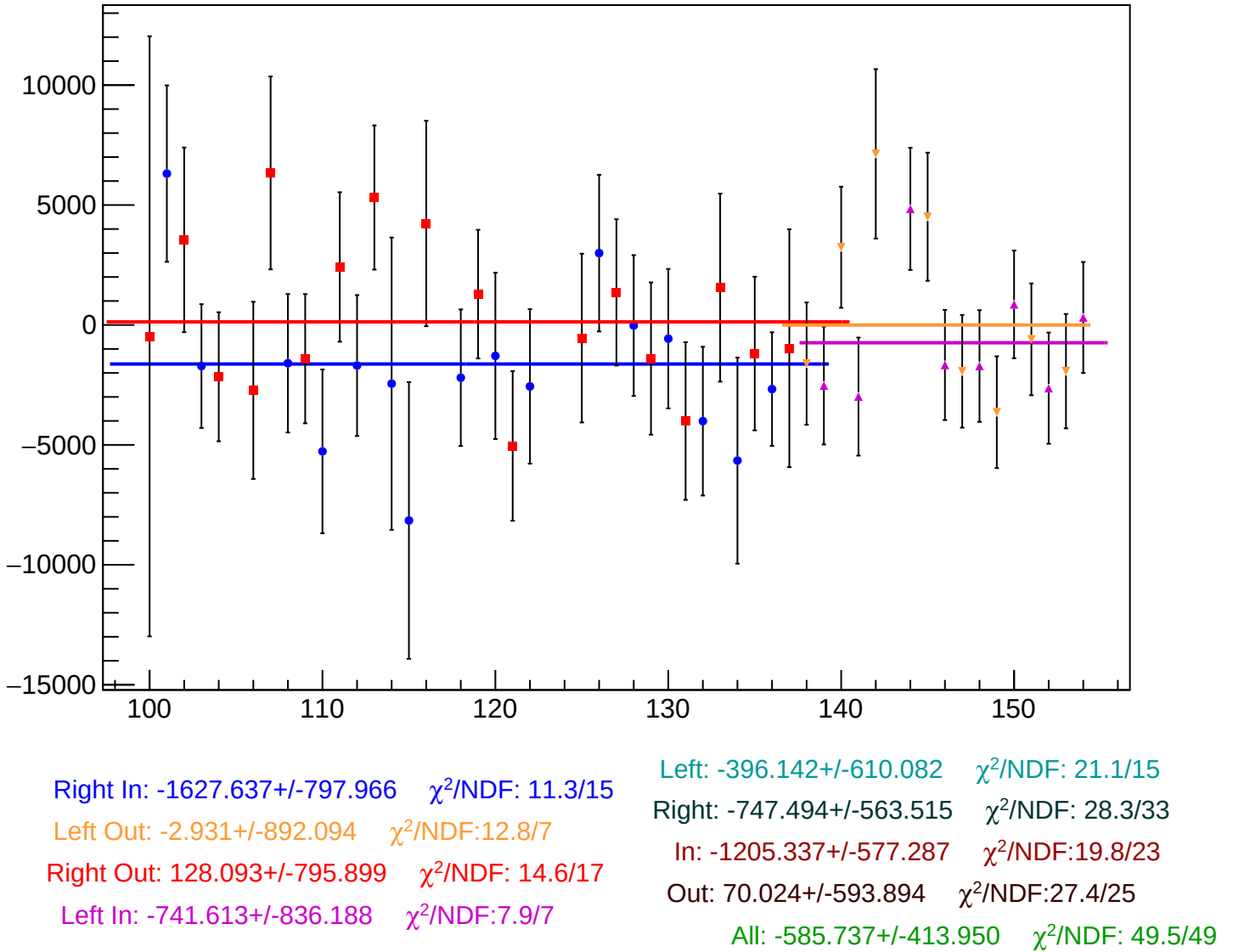
Left: 1435.831+/-0.281 χ^2/NDF: 238385.8/15

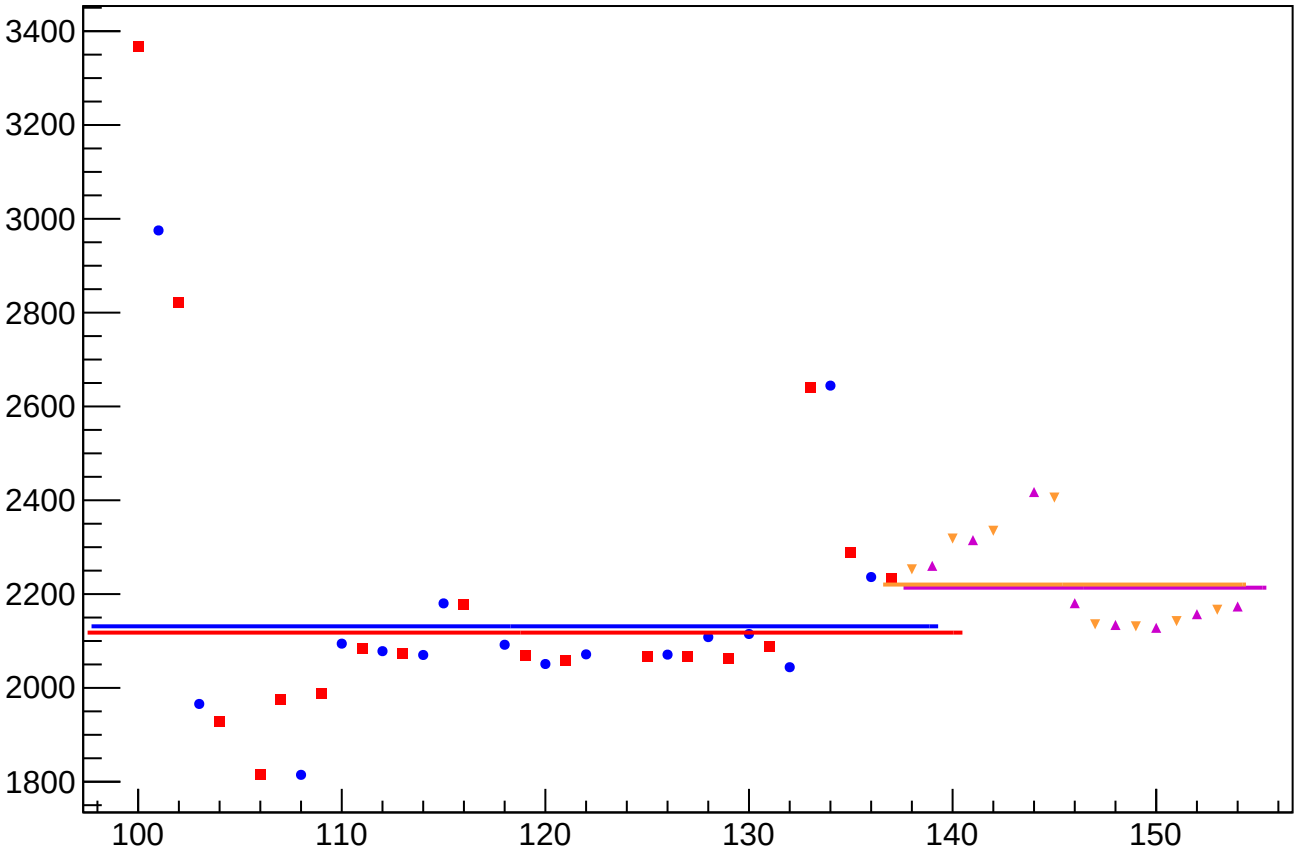
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1669.440+/-0.328 χ^2/NDF:2419282.2/23

Out: 1642.007+/-0.333 χ^2/NDF:2405241.6/25

All: 1655.916+/-0.234 χ^2/NDF: 4827971.9/49


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
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: -741.613+/-836.188 χ²/NDF:7.9/7
Left: -396.142+/-610.082 χ²/NDF: 21.1/15
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1205.337+/-577.287 χ²/NDF:19.8/23
Out: 70.024+/-593.894 χ²/NDF:27.4/25
All: -585.737+/-413.950 χ²/NDF: 49.5/49



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: 2213.658+/-0.591 χ^2/NDF:24358.6/7

Left: 2216.773+/-0.431 χ^2/NDF: 48283.8/15

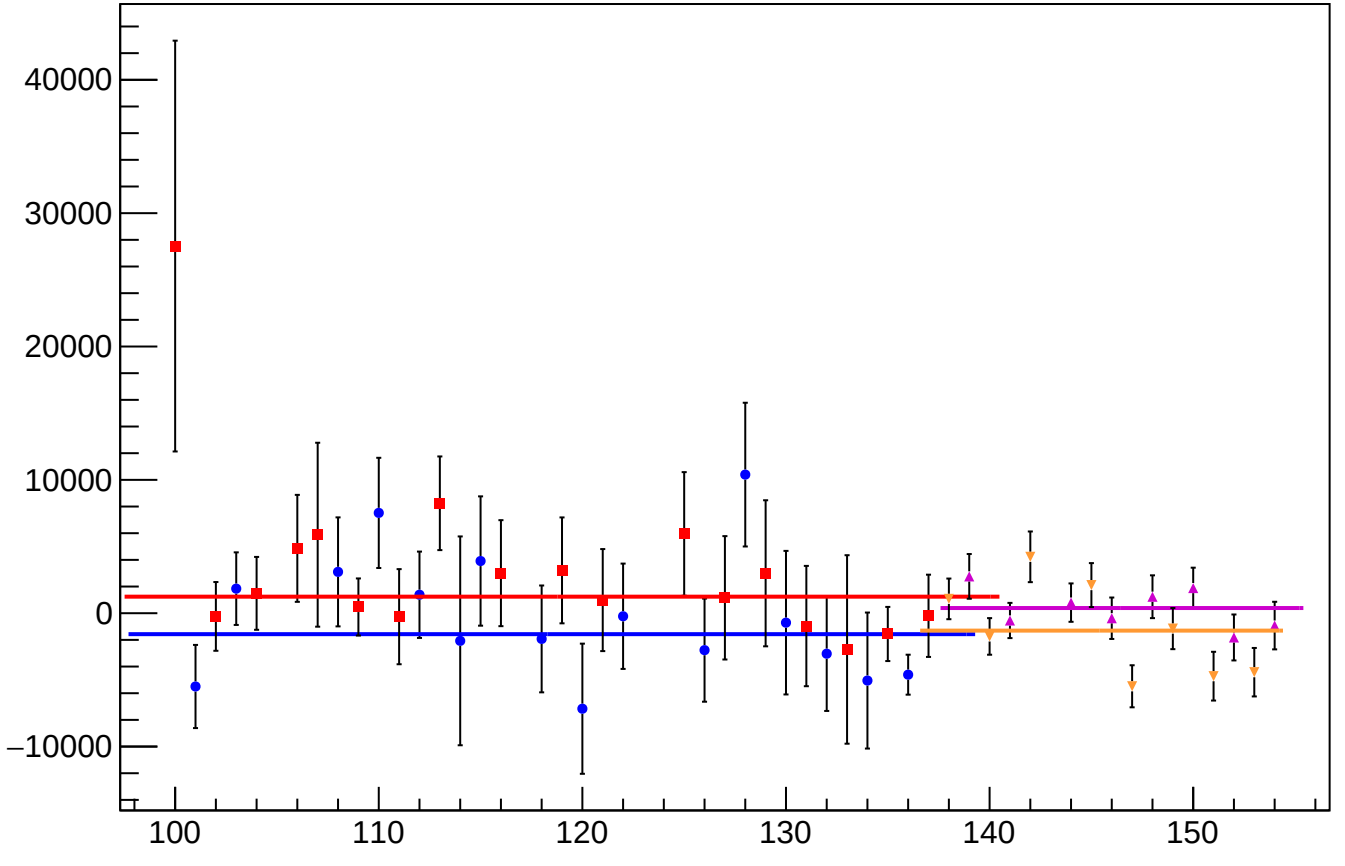
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2170.553+/-0.408 χ^2/NDF:210456.5/23

Out: 2163.273+/-0.420 χ^2/NDF:202176.0/25

All: 2167.016+/-0.293 χ^2/NDF: 412787.1/49

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: 388.337+/-550.996 χ^2/NDF:6.2/7

Left: -422.974+/-397.651 χ^2/NDF: 39.5/15

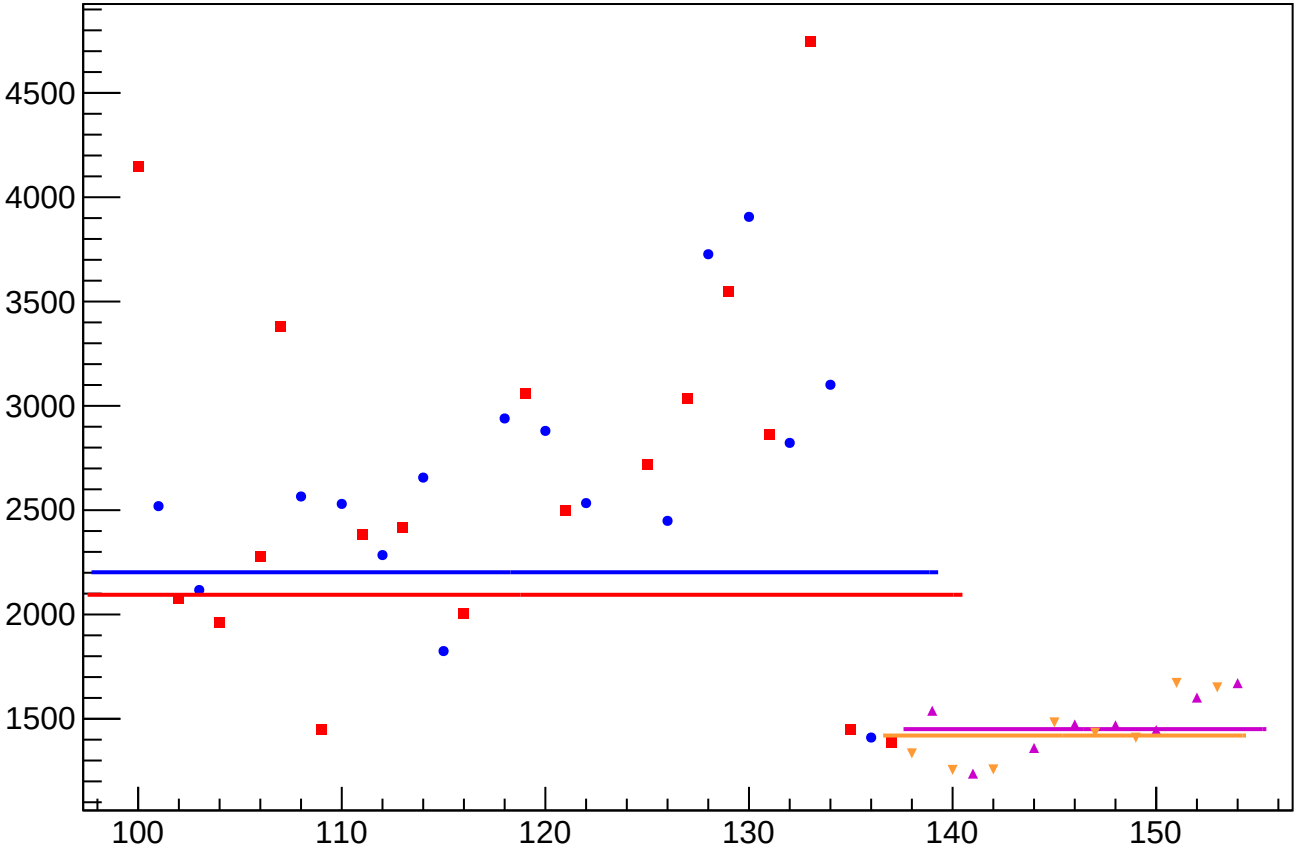
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -182.125+/-463.904 χ^2/NDF:32.5/23

Out: -466.417+/-470.453 χ^2/NDF:48.3/25

All: -322.278+/-330.321 χ^2/NDF: 81.0/49

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: 1450.551+/-0.390 χ^2/NDF:112197.4/7

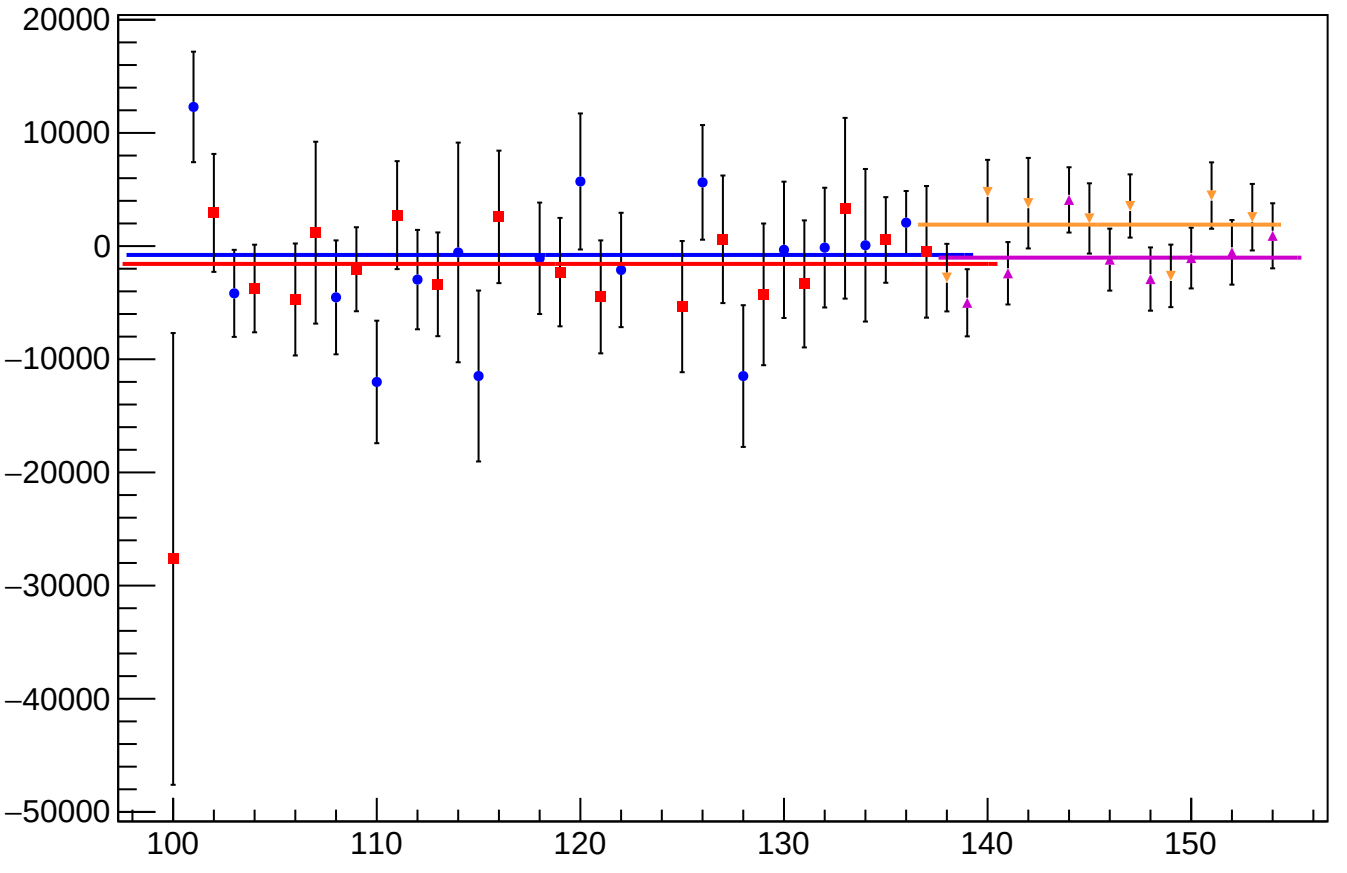
Left: 1435.834+/-0.281 χ^2/NDF: 238378.1/15

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1669.443+/-0.328 χ^2/NDF:2419251.5/23

Out: 1642.014+/-0.333 χ^2/NDF:2405199.4/25

All: 1655.921+/-0.234 χ^2/NDF: 4827897.9/49



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: -1021.886+/-995.625 χ^2/NDF:6.1/7

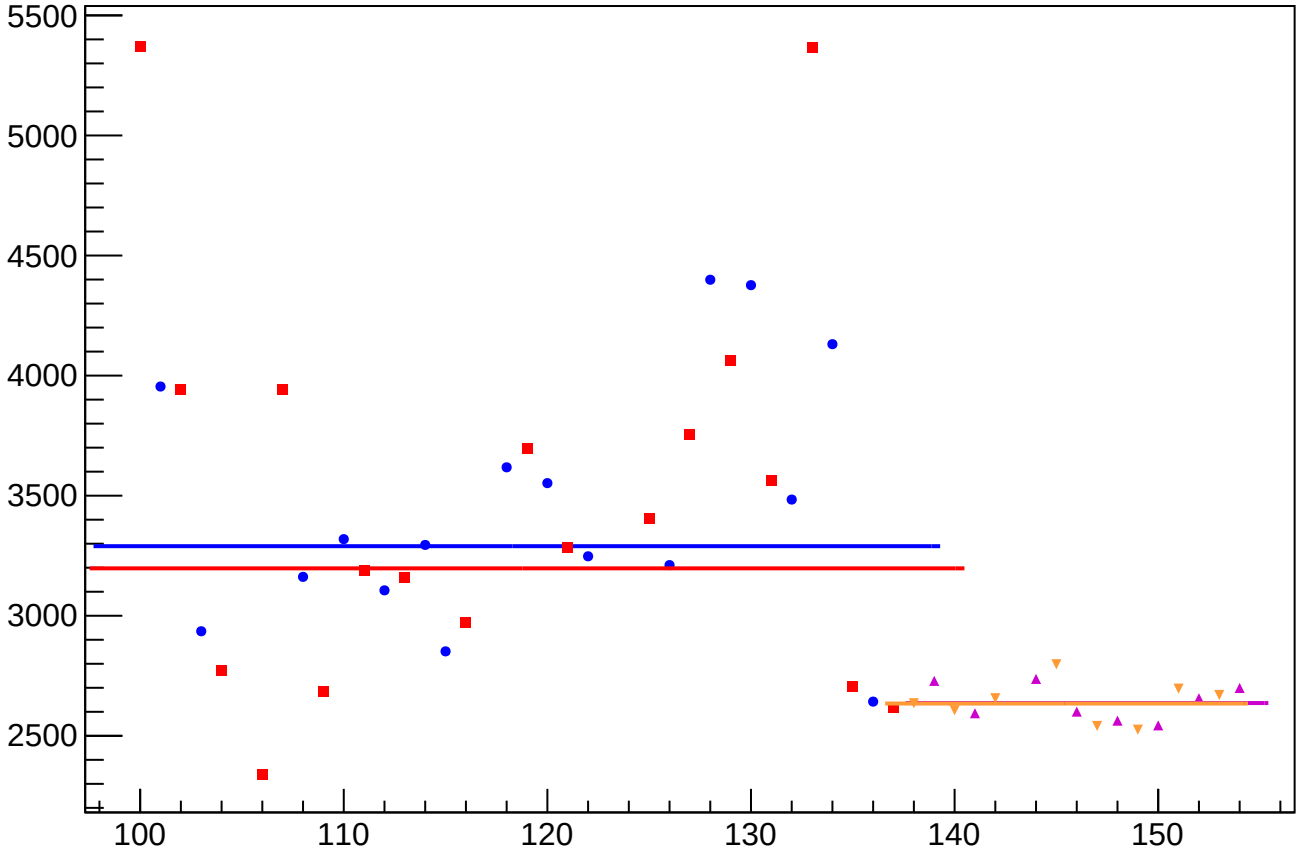
Left: 348.791+/-725.020 χ^2/NDF: 17.8/15

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -927.864+/-776.764 χ^2/NDF:28.0/23

Out: 405.118+/-798.955 χ^2/NDF:19.0/25

All: -280.142+/-556.935 χ^2/NDF: 48.4/49



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: 2636.543+/-0.704 χ^2/NDF:10000.8/7

Left: 2635.618+/-0.513 χ^2/NDF: 22331.8/15

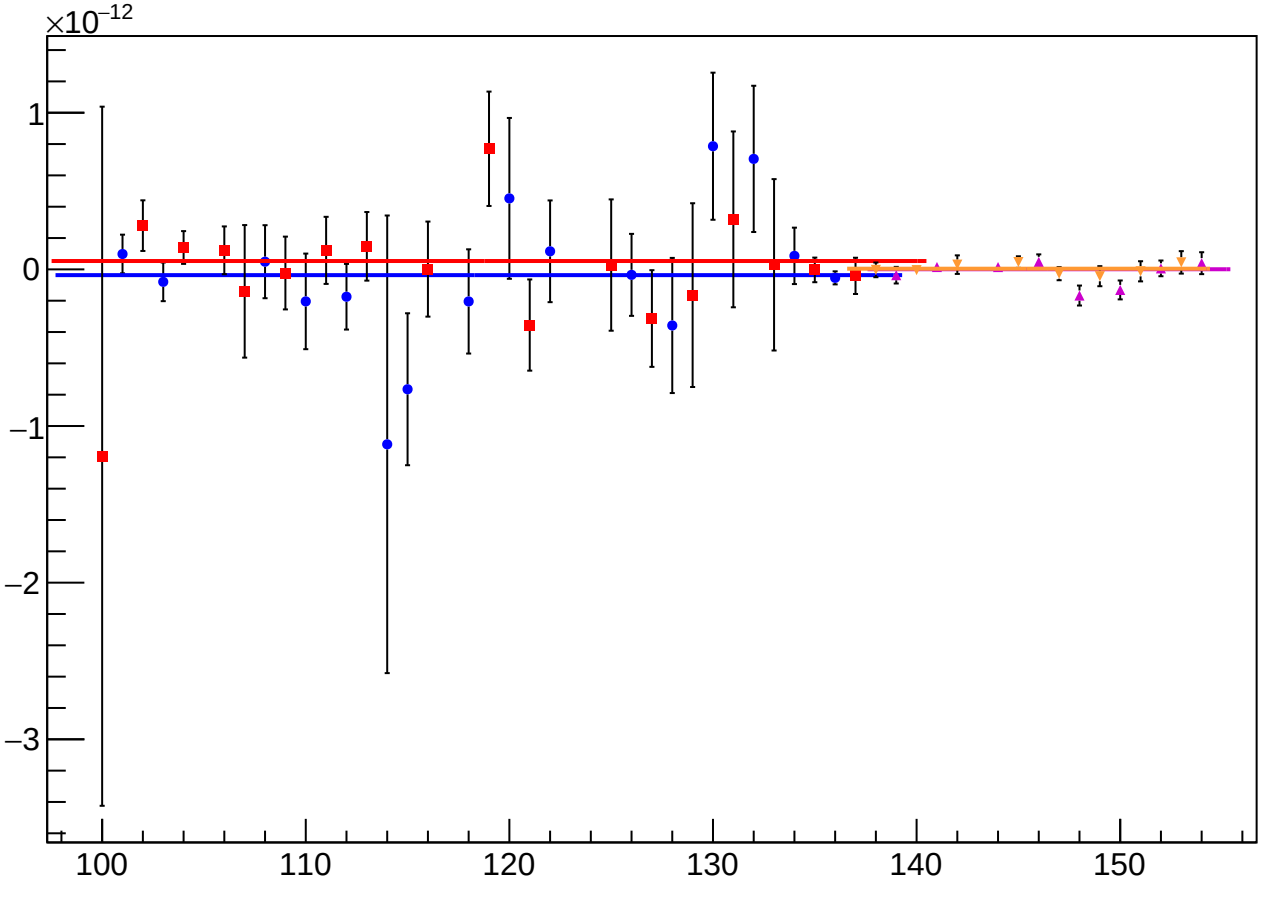
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2892.135+/-0.549 χ^2/NDF:694414.1/23

Out: 2876.358+/-0.565 χ^2/NDF:755451.9/25

All: 2884.469+/-0.394 χ^2/NDF: 1450266.9/49

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:14.4/7

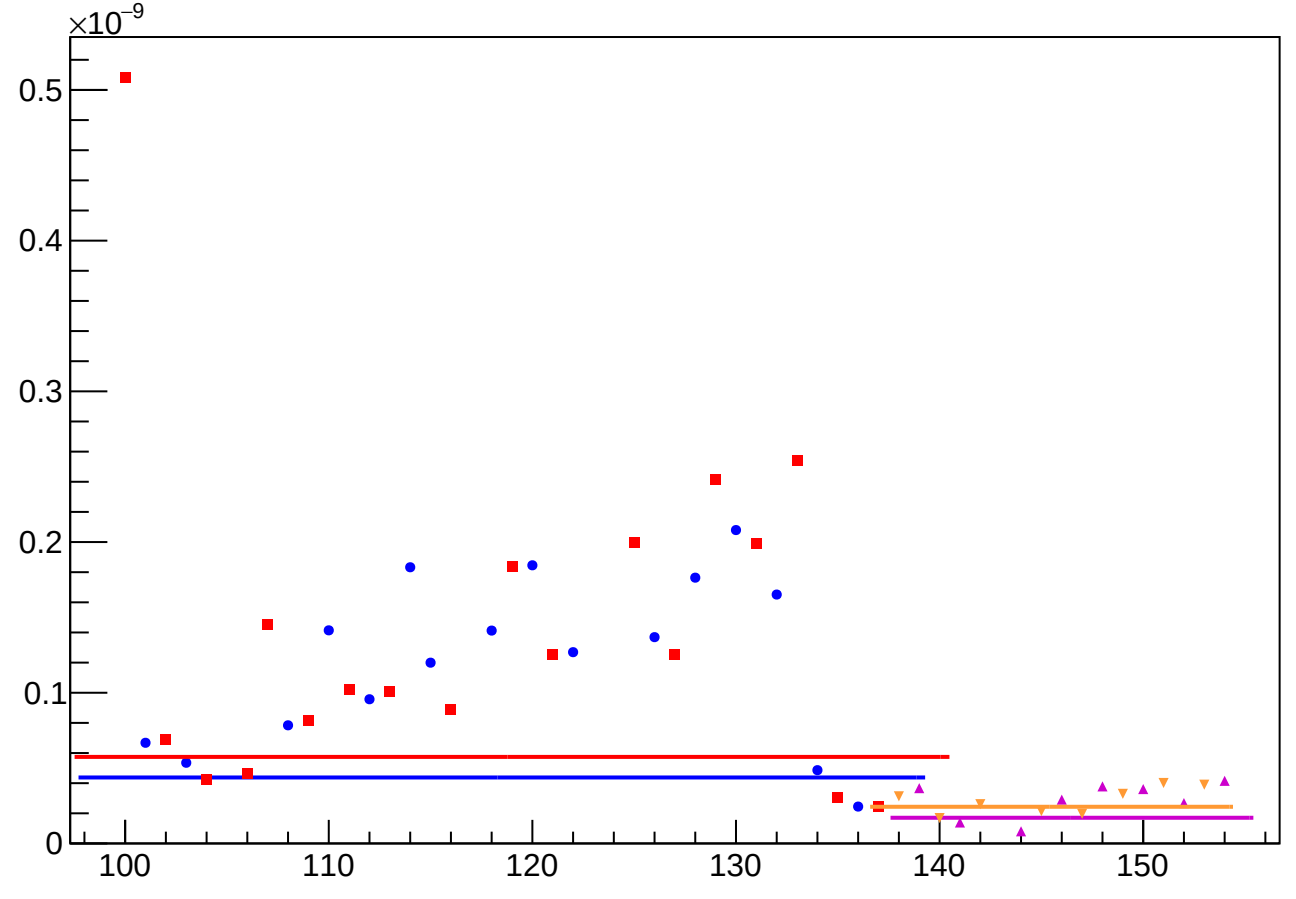
Left: 0.000+/-0.000 χ^2/NDF: 17.5/15

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:28.6/23

Out: 0.000+/-0.000 χ^2/NDF:16.8/25

All: 0.000+/-0.000 χ^2/NDF: 46.0/49



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:1657224.4/7

Left: 0.000+/-0.000 χ^2/NDF: 2342406.3/15

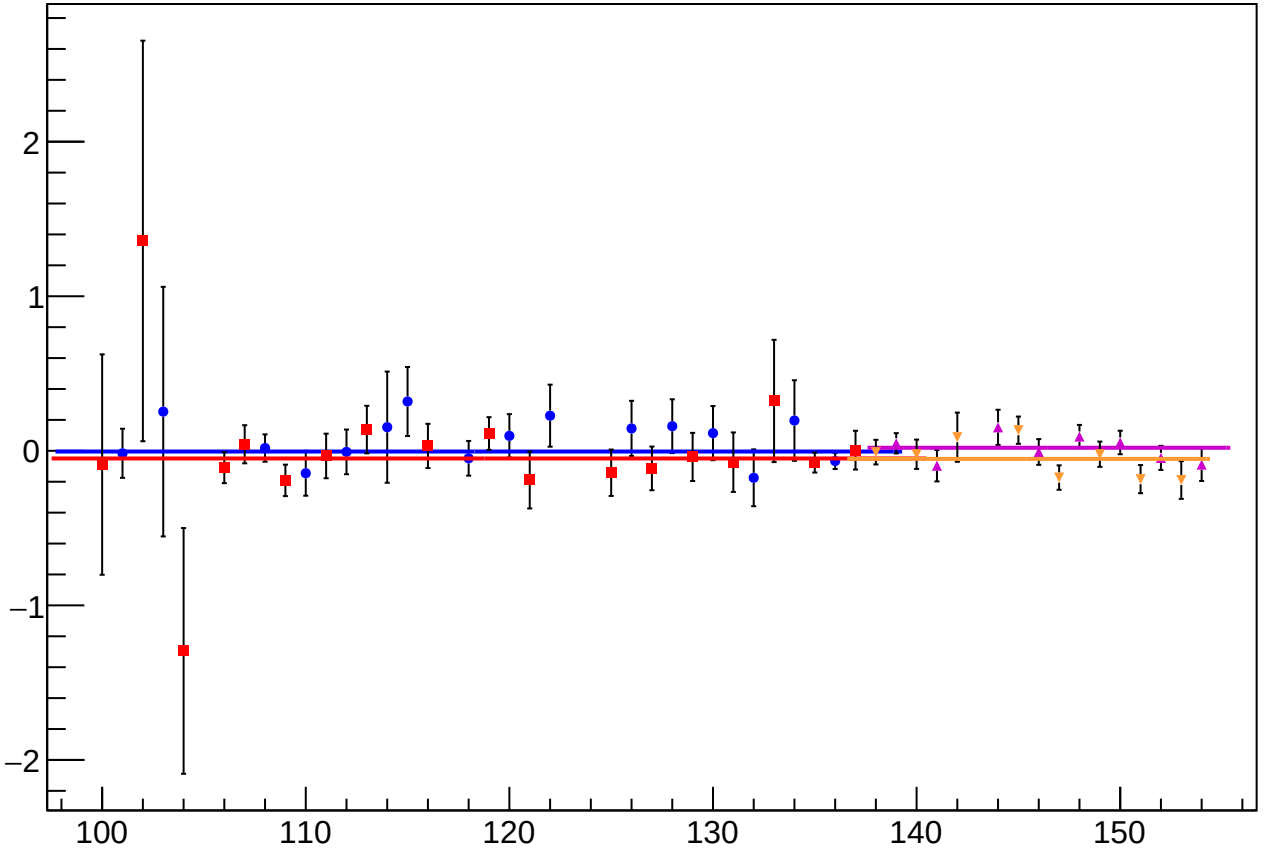
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4949539.3/23

Out: 0.000+/-0.000 χ^2/NDF:3544301.6/25

All: 0.000+/-0.000 χ^2/NDF: 8850650.4/49

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: 0.020+/-0.029 χ^2/NDF:5.9/7

Left: -0.012+/-0.022 χ^2/NDF: 19.9/15

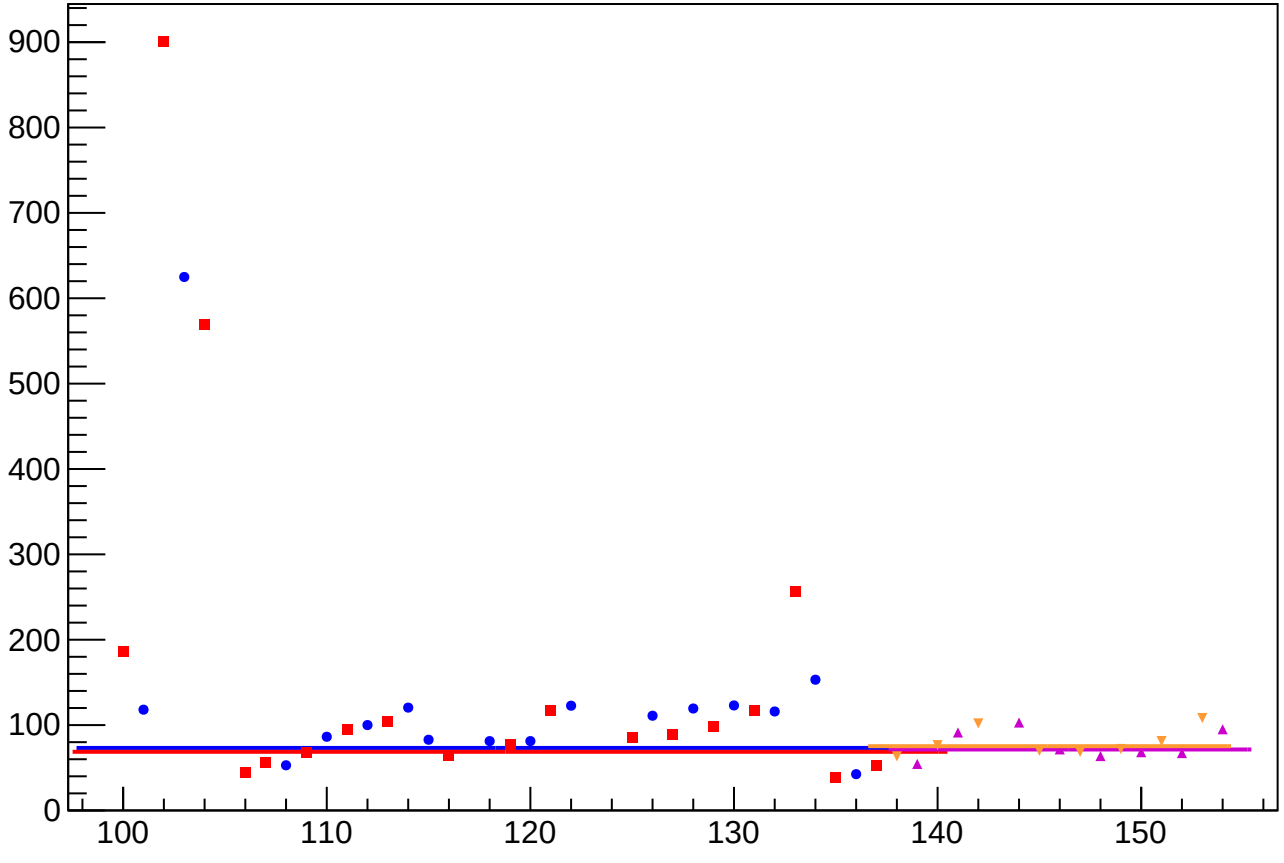
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.022 χ^2/NDF:16.5/23

Out: -0.051+/-0.023 χ^2/NDF:24.4/25

All: -0.020+/-0.016 χ^2/NDF: 44.5/49

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: 71.415+/-0.021 χ^2/NDF:494755.2/7

Left: 73.147+/-0.015 χ^2/NDF: 790809.6/15

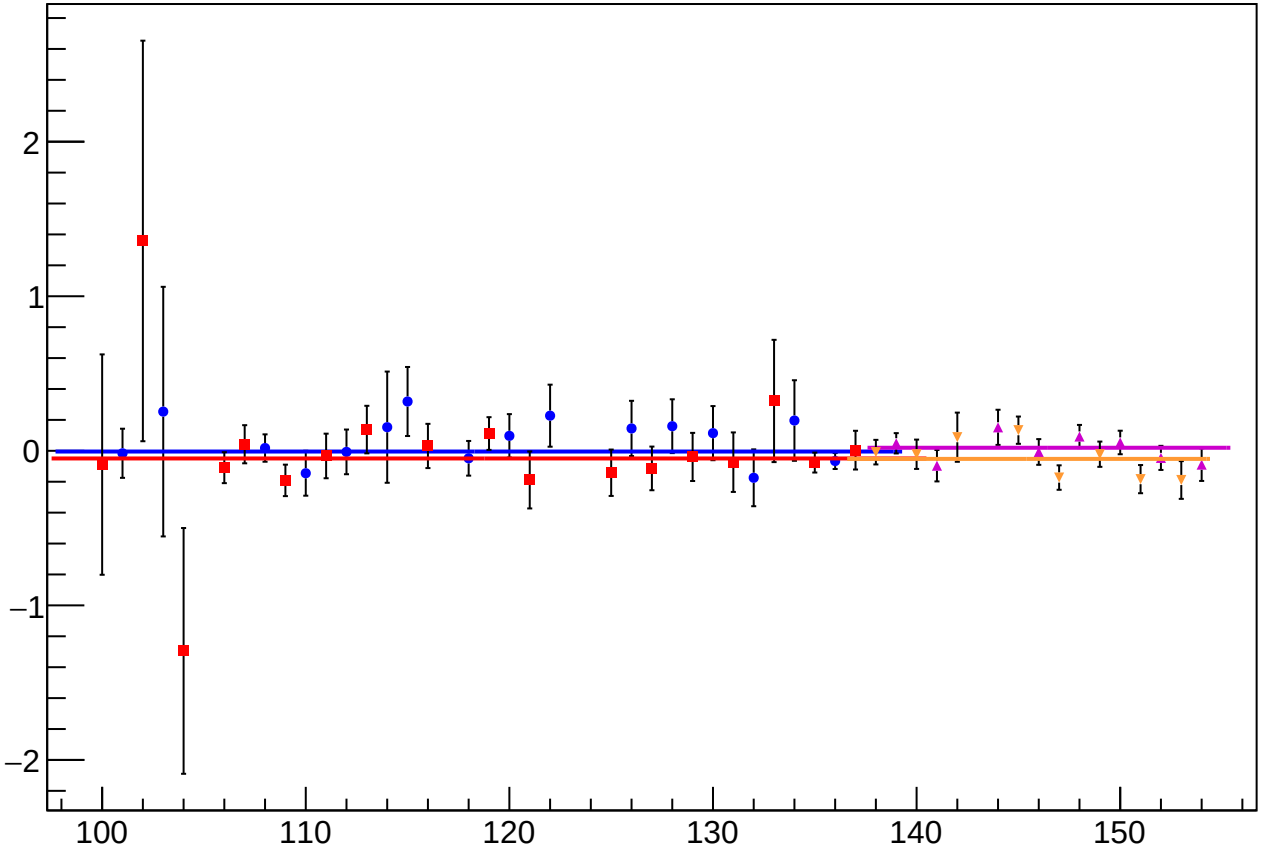
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.242+/-0.015 χ^2/NDF:3352832.9/23

Out: 71.898+/-0.016 χ^2/NDF:3653879.6/25

All: 72.078+/-0.011 χ^2/NDF: 7006951.3/49

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: 0.020+/-0.029 χ^2/NDF:5.9/7

Left: -0.012+/-0.022 χ^2/NDF: 19.9/15

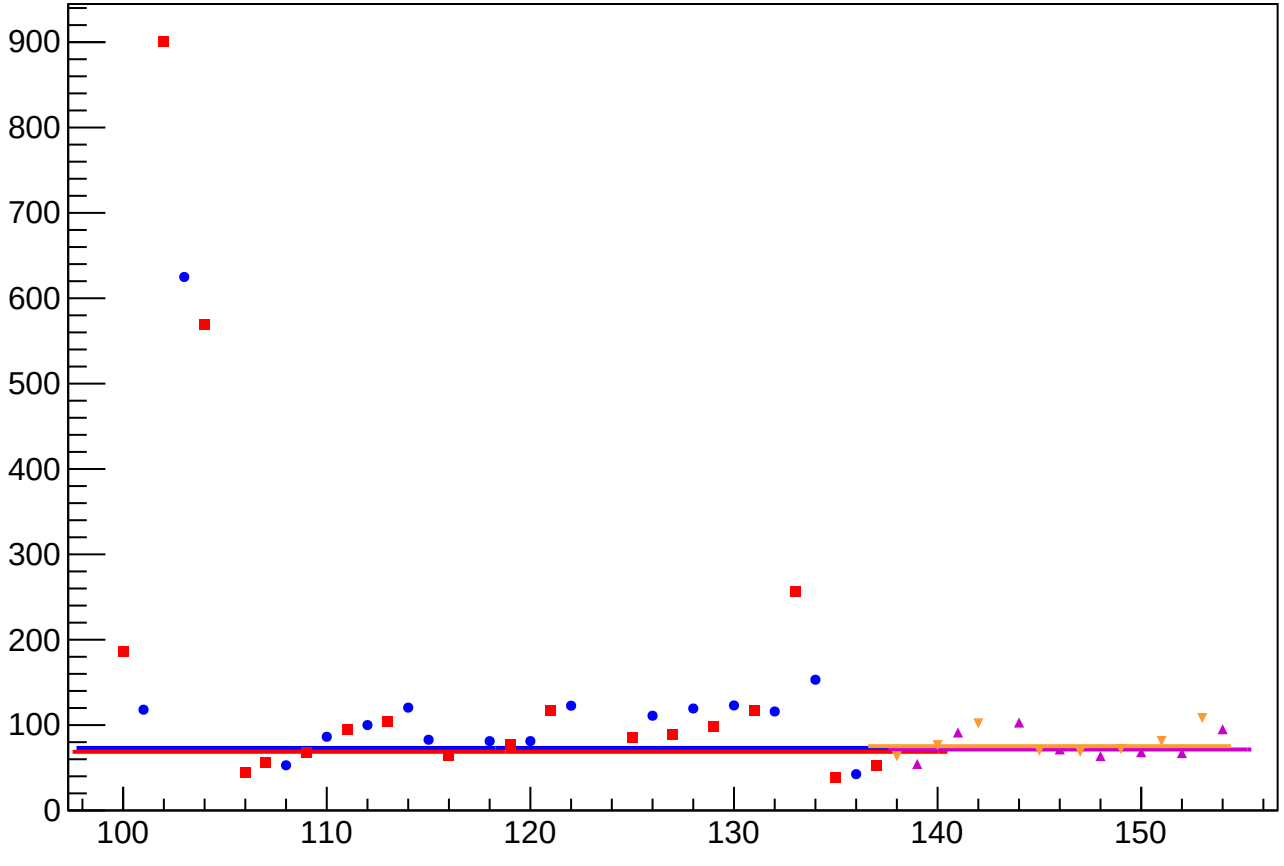
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.022 χ^2/NDF:16.5/23

Out: -0.051+/-0.023 χ^2/NDF:24.4/25

All: -0.020+/-0.016 χ^2/NDF: 44.5/49

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: 71.415+/-0.021 χ^2/NDF:494755.2/7

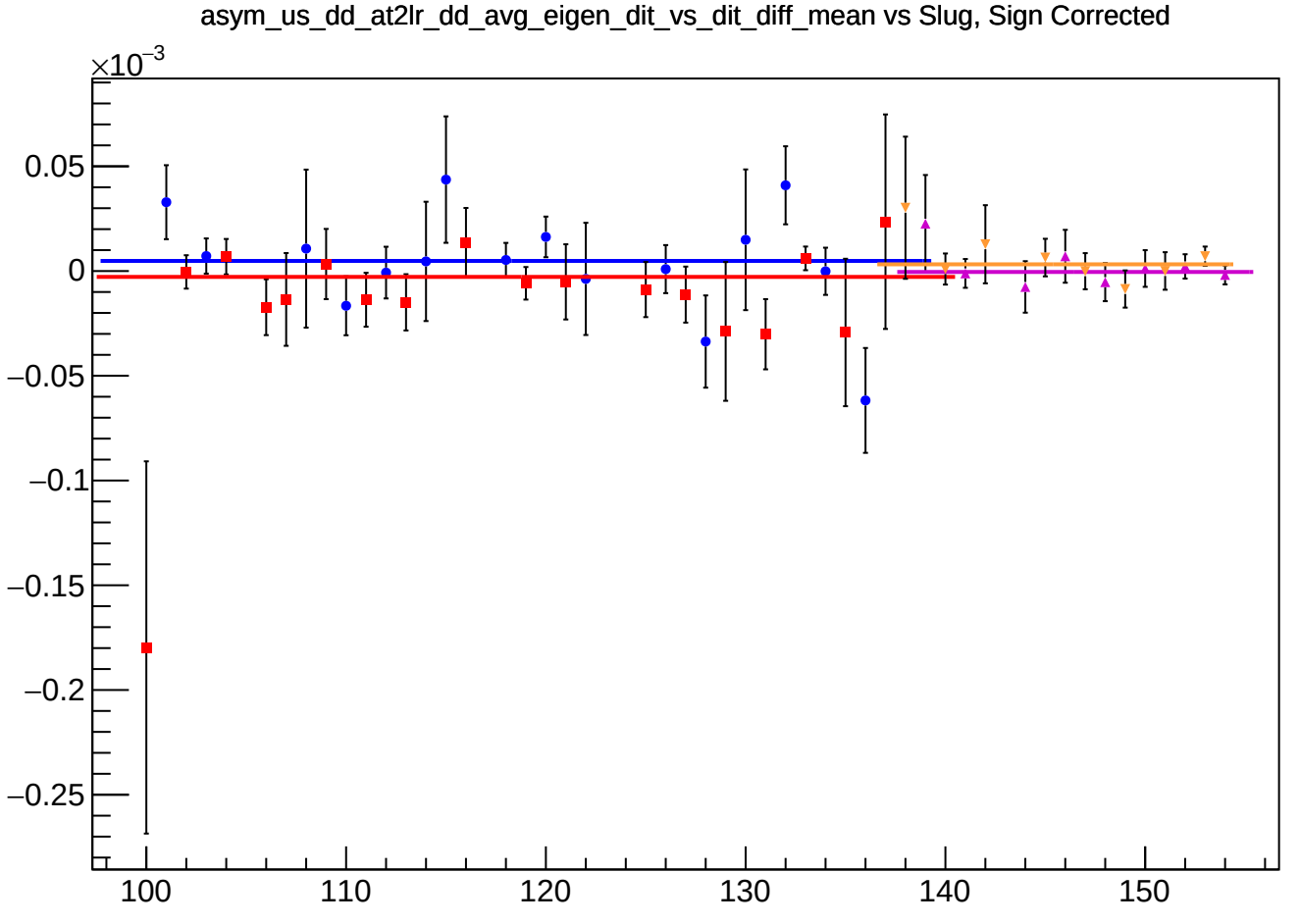
Left: 73.147+/-0.015 χ^2/NDF: 790809.6/15

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.242+/-0.015 χ^2/NDF:3352832.9/23

Out: 71.898+/-0.016 χ^2/NDF:3653879.6/25

All: 72.078+/-0.011 χ^2/NDF: 7006951.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.3/7

Left: 0.000+/-0.000 χ^2/NDF: 7.0/15

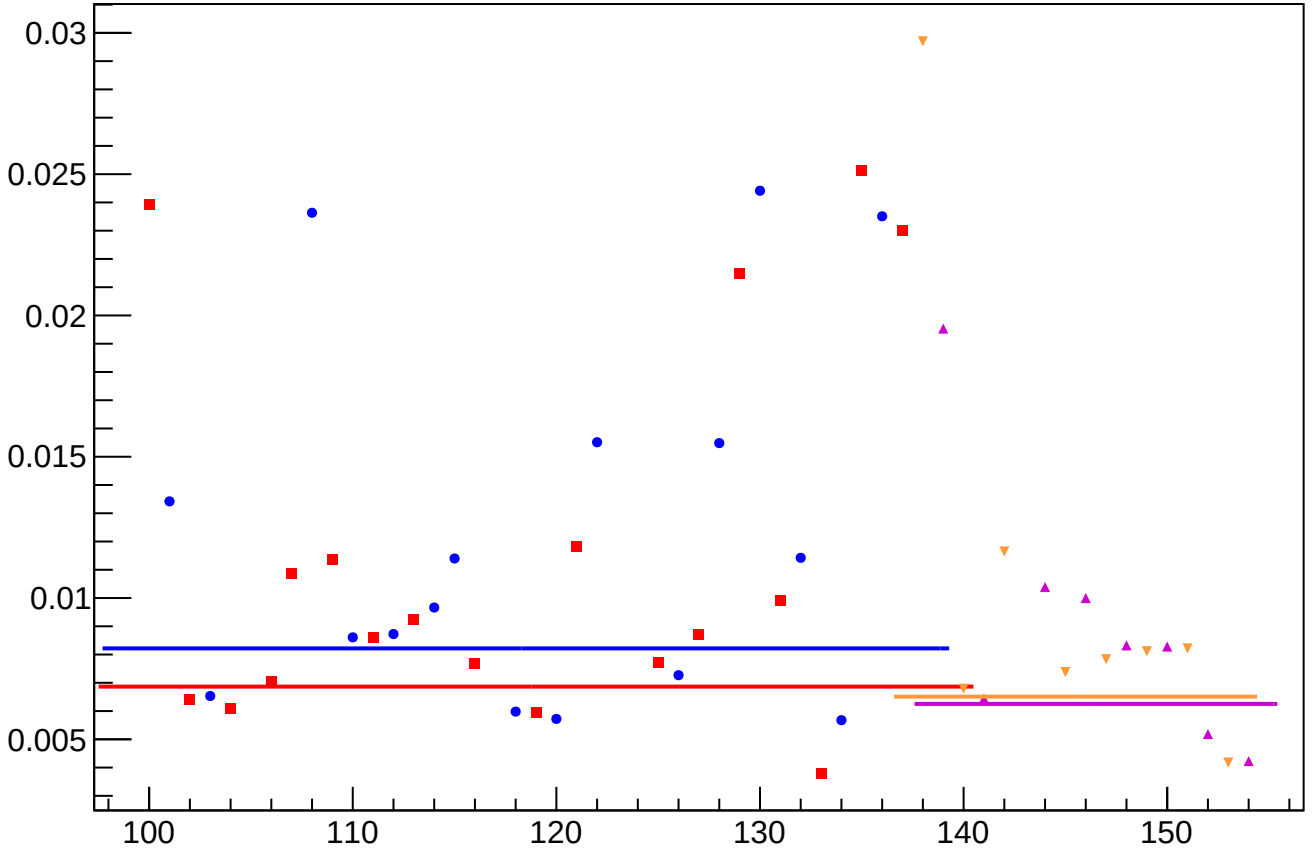
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:26.3/23

Out: 0.000+/-0.000 χ^2/NDF:22.8/25

All: 0.000+/-0.000 χ^2/NDF: 49.4/49

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: 0.006+/-0.000 χ^2/NDF:1738920.5/7

Left: 0.006+/-0.000 χ^2/NDF: 3553902.8/15

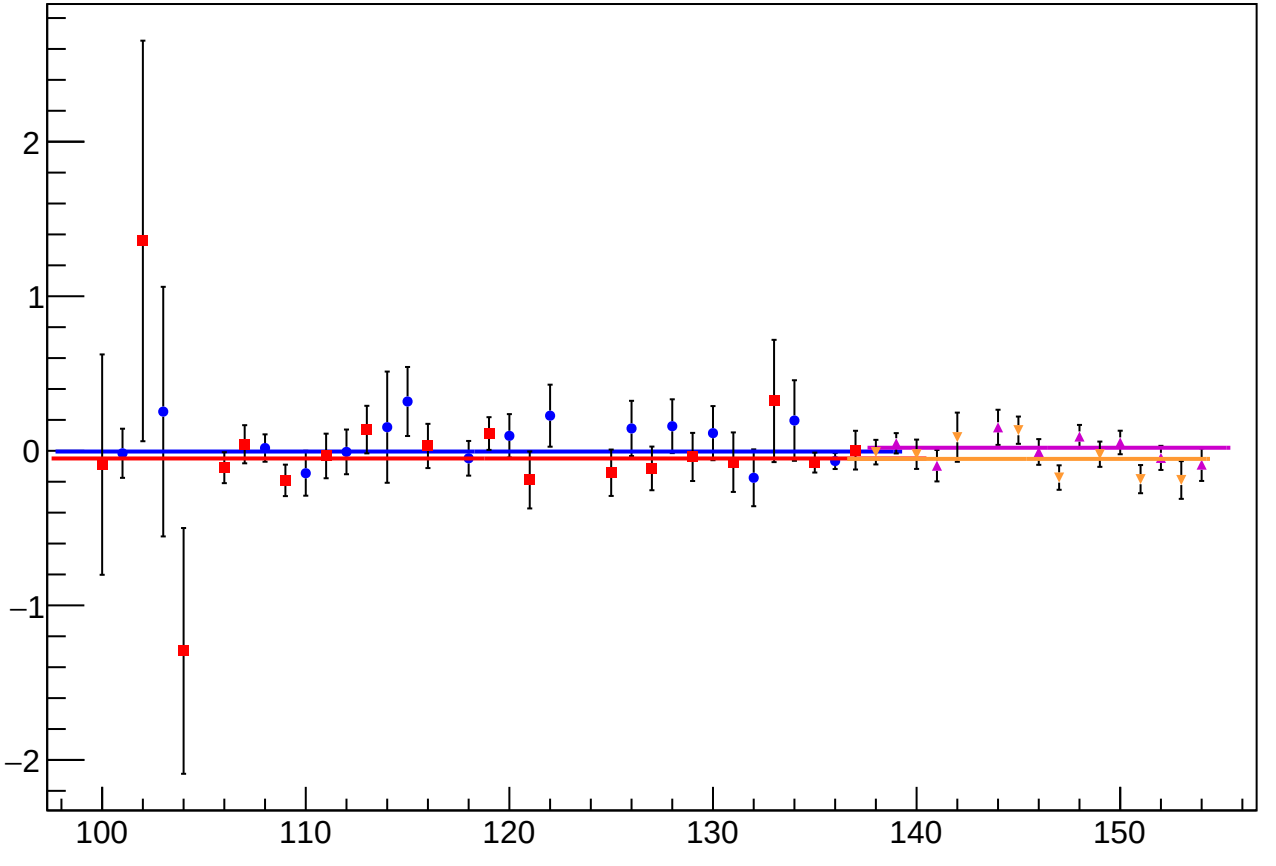
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:4794119.3/23

Out: 0.007+/-0.000 χ^2/NDF:4248338.4/25

All: 0.007+/-0.000 χ^2/NDF: 9061830.8/49

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: 0.020+/-0.029 χ^2/NDF:5.9/7

Left: -0.012+/-0.022 χ^2/NDF: 19.9/15

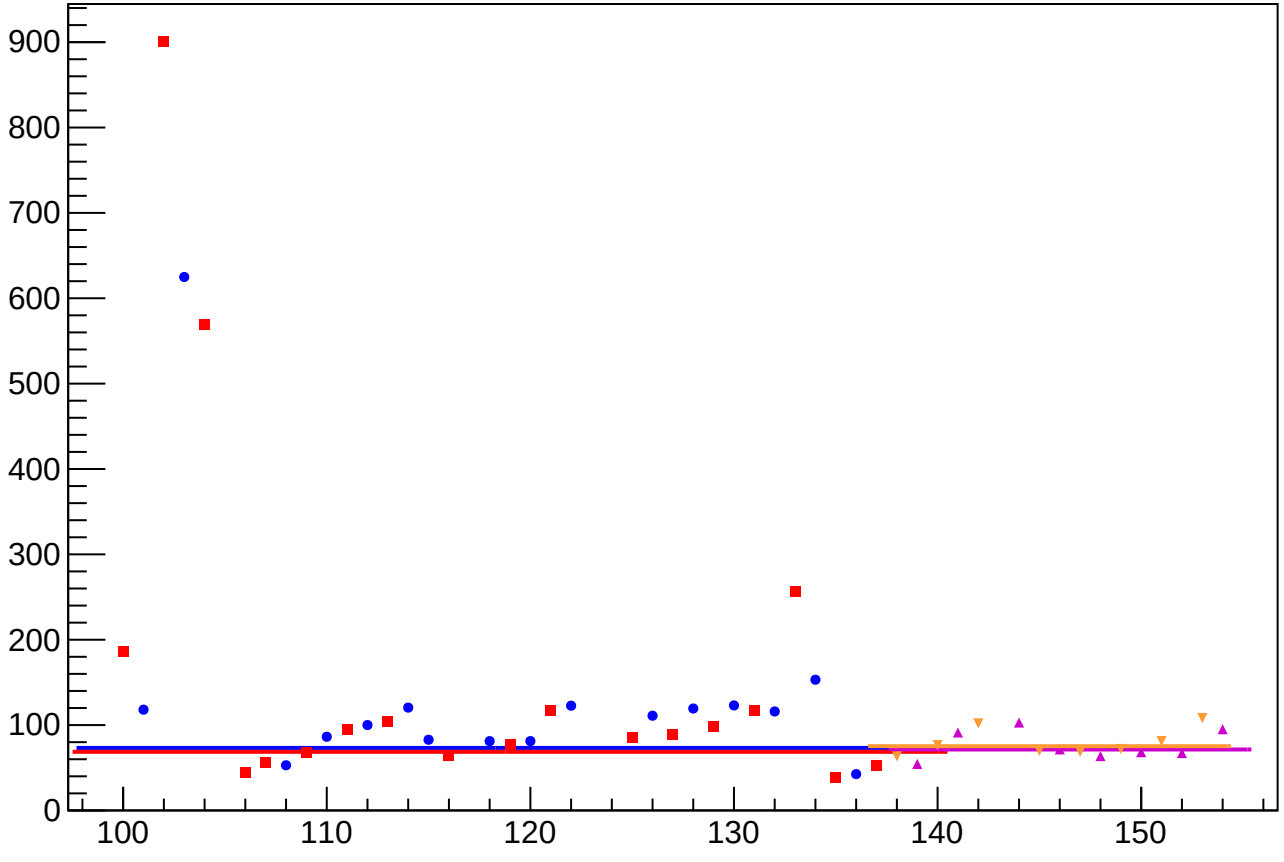
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.022 χ^2/NDF:16.5/23

Out: -0.051+/-0.023 χ^2/NDF:24.4/25

All: -0.020+/-0.016 χ^2/NDF: 44.5/49

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: 71.418+/-0.021 χ^2/NDF:494520.2/7

Left: 73.149+/-0.015 χ^2/NDF: 790547.4/15

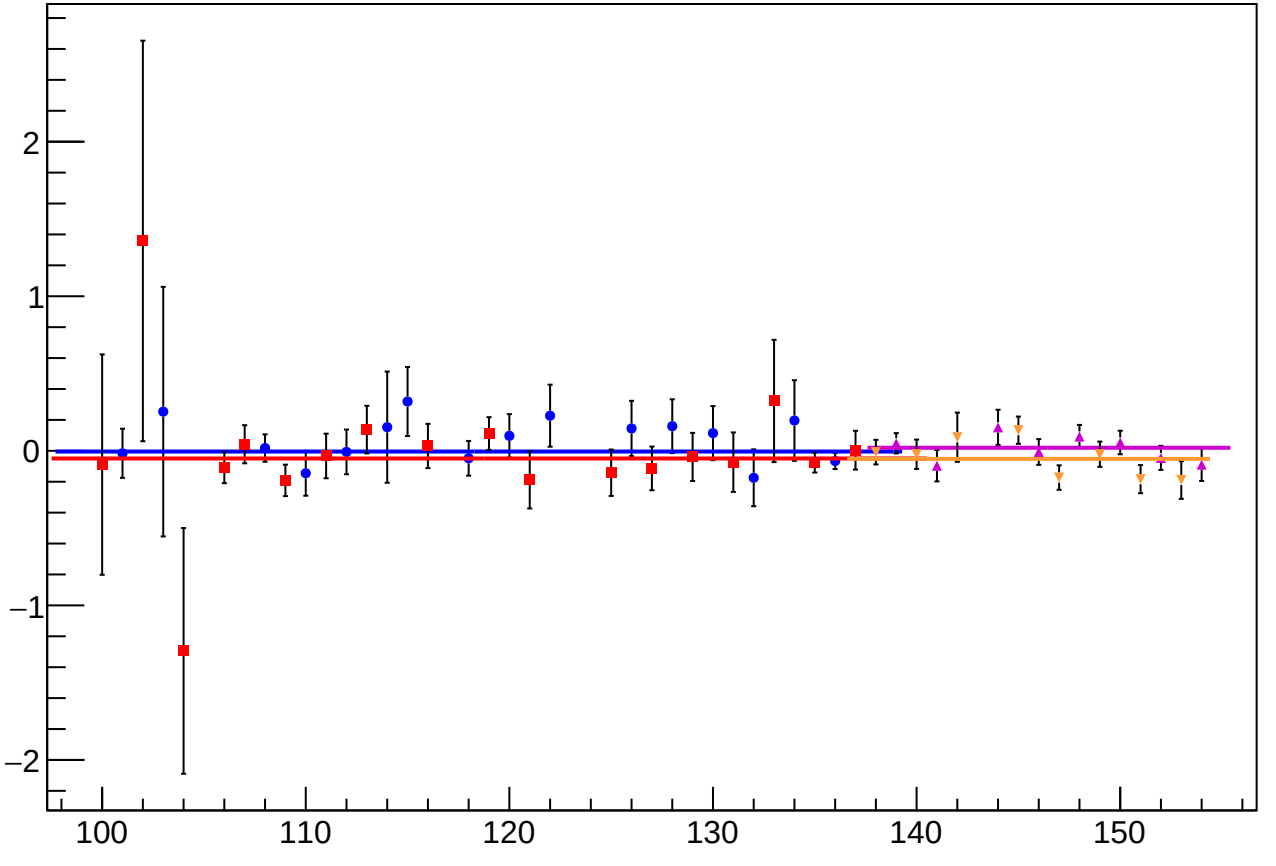
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.255+/-0.015 χ^2/NDF:3350390.2/23

Out: 71.893+/-0.016 χ^2/NDF:3655021.0/25

All: 72.082+/-0.011 χ^2/NDF: 7005675.9/49

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: 0.020+/-0.029 χ^2/NDF:5.9/7

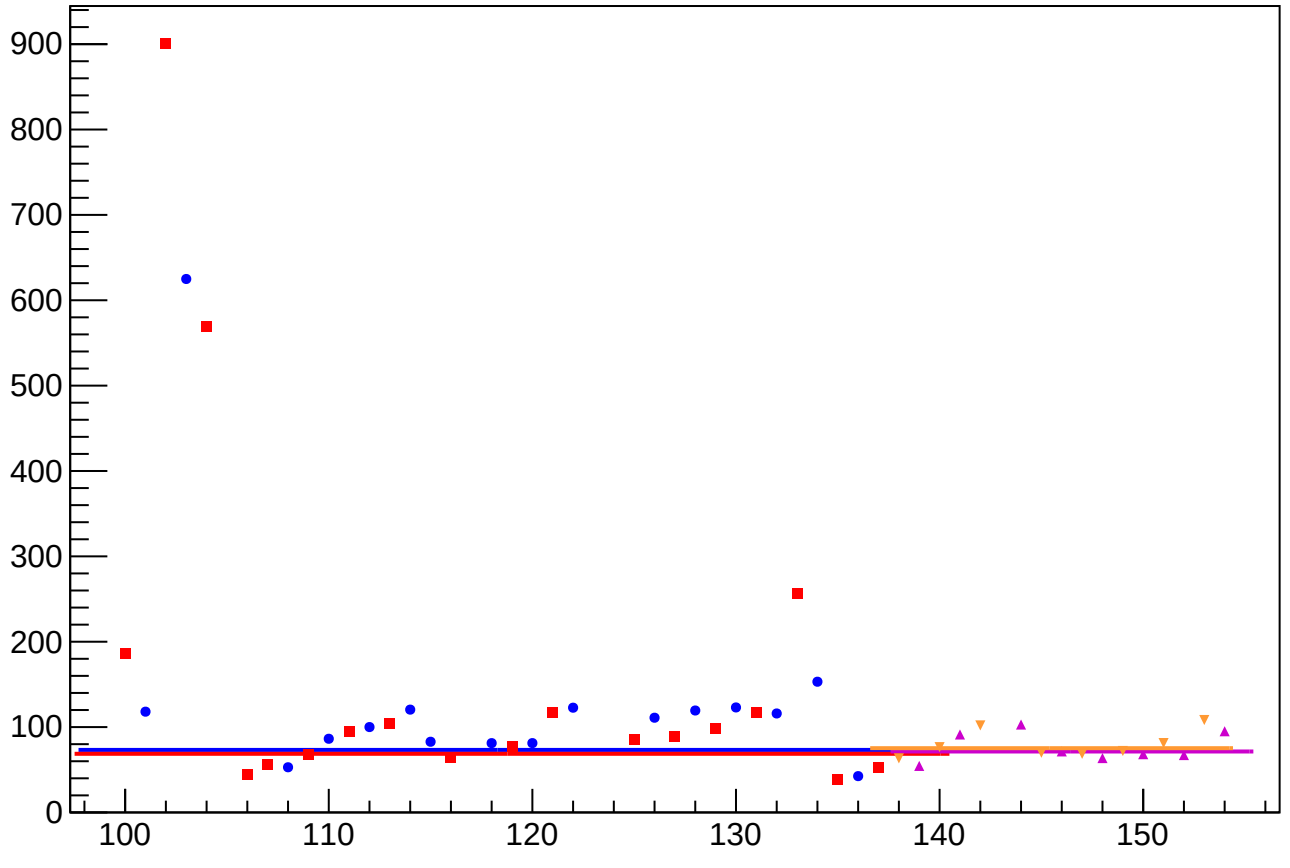
Left: -0.012+/-0.022 χ^2/NDF: 19.9/15

Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.022 χ^2/NDF:16.5/23

Out: -0.051+/-0.023 χ^2/NDF:24.4/25

All: -0.020+/-0.016 χ^2/NDF: 44.5/49



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: 71.418+/-0.021 χ^2/NDF:494520.2/7

Left: 73.149+/-0.015 χ^2/NDF: 790547.4/15

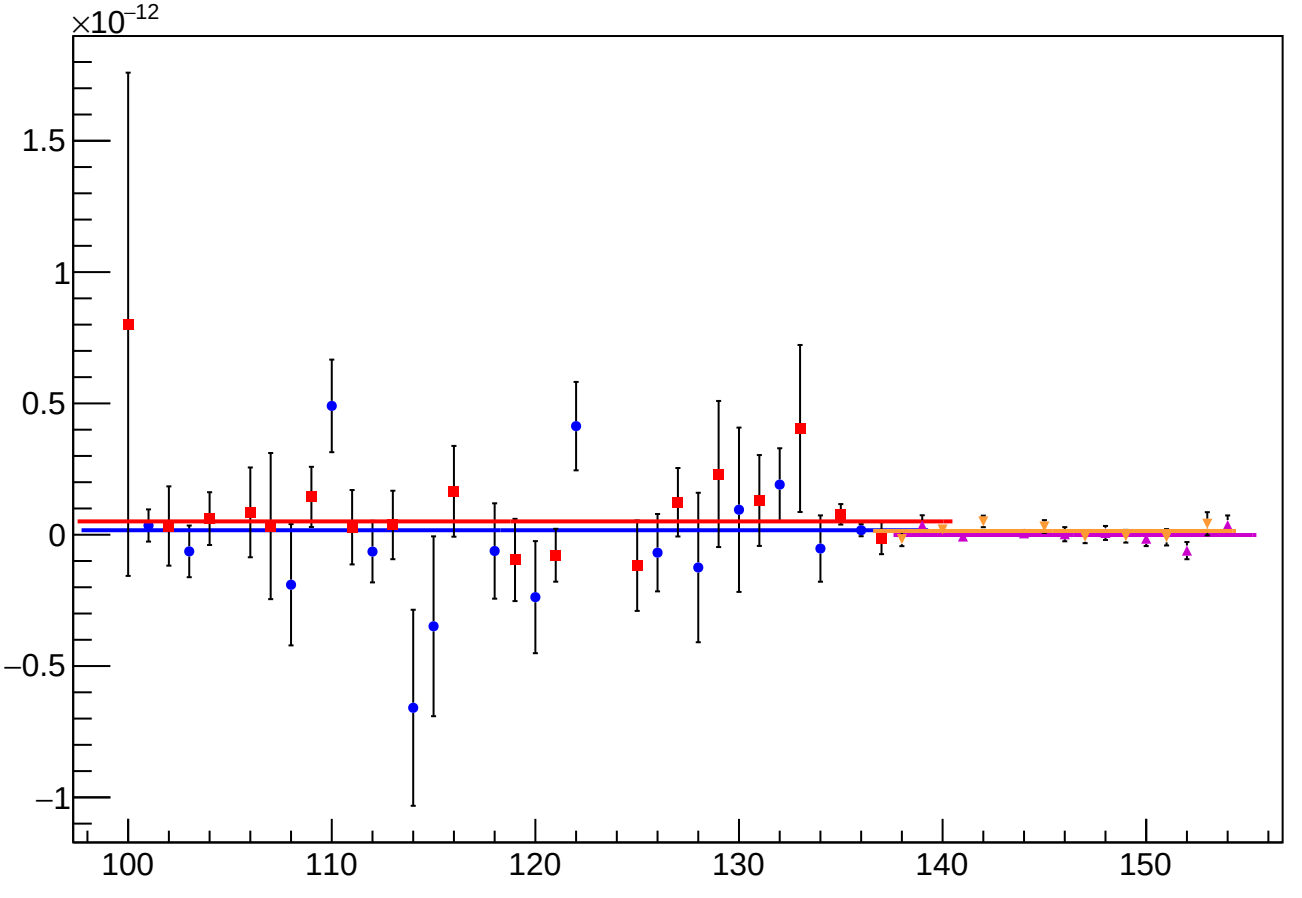
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.255+/-0.015 χ^2/NDF:3350390.2/23

Out: 71.893+/-0.016 χ^2/NDF:3655021.0/25

All: 72.082+/-0.011 χ^2/NDF: 7005675.9/49

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:5.9/7

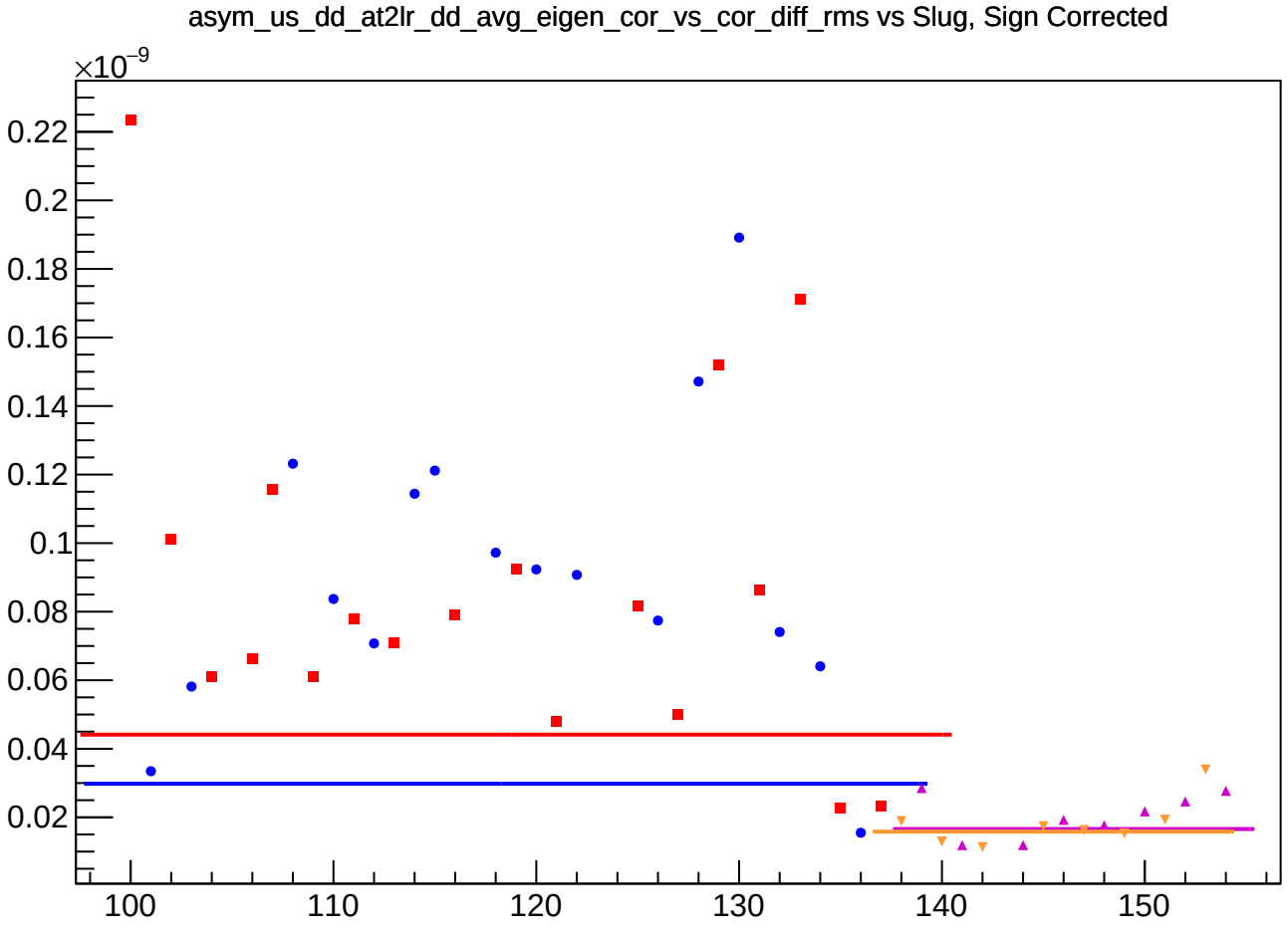
Left: 0.000+/-0.000 χ^2/NDF: 14.7/15

Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:30.0/23

Out: 0.000+/-0.000 χ^2/NDF:18.1/25

All: 0.000+/-0.000 χ^2/NDF: 50.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:542976.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:926968.2/7

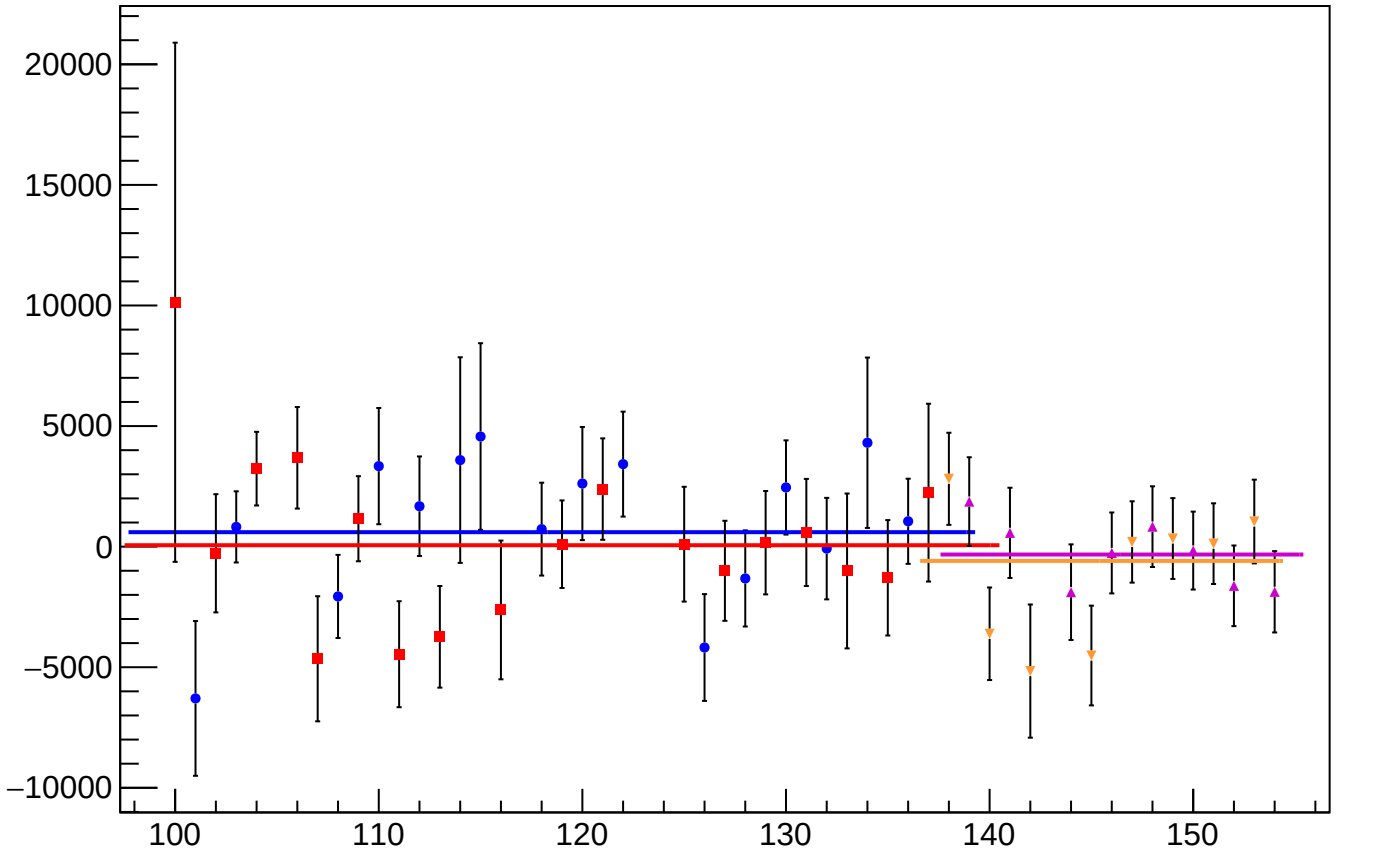
Left: 0.000+/-0.000 χ^2/NDF: 1478080.7/15

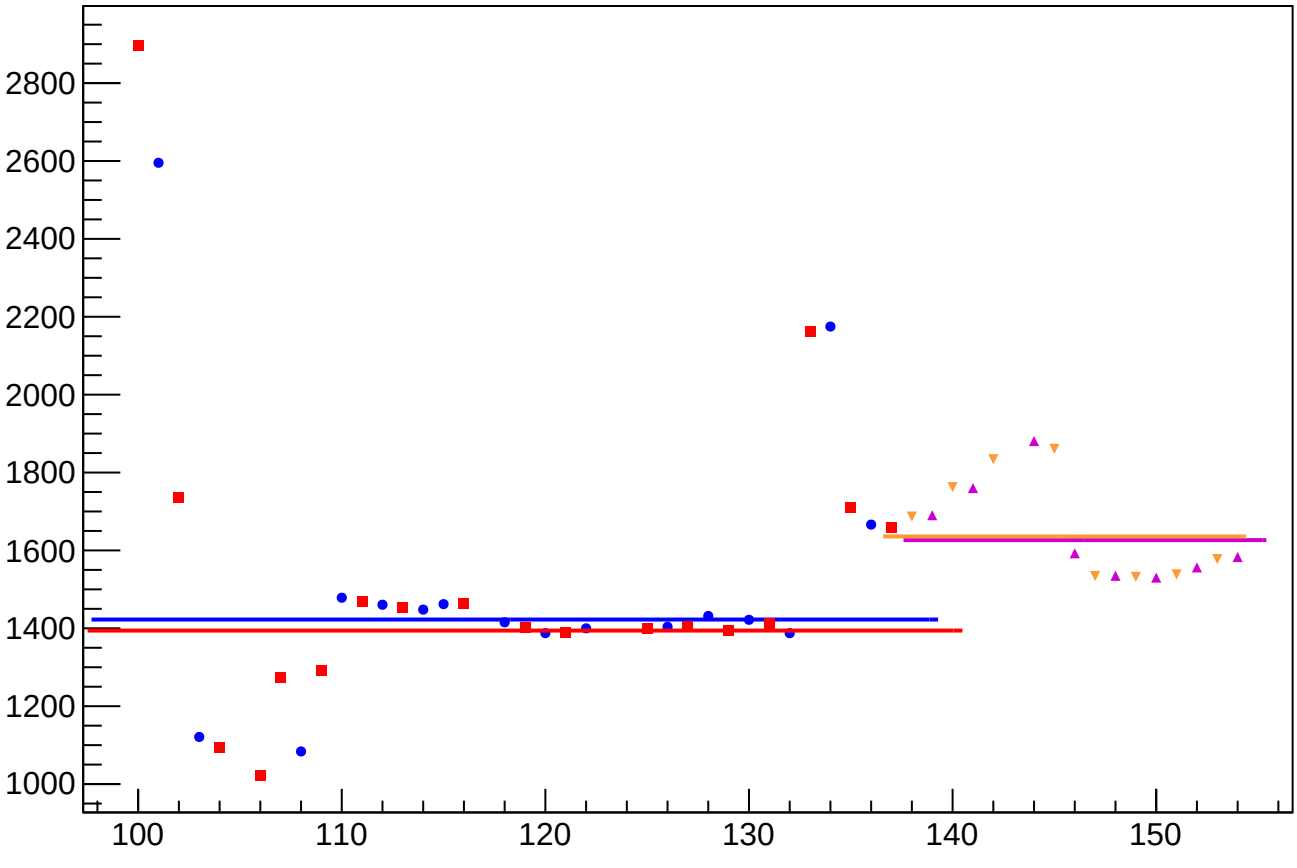
Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:5789872.7/23

Out: 0.000+/-0.000 χ^2/NDF:5651088.7/25

All: 0.000+/-0.000 χ^2/NDF: 11441199.4/49


reg_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 600.146+/-540.053 χ²/NDF: 20.3/15
Left Out: -590.835+/-658.356 χ²/NDF:13.6/7
Right Out: 59.091+/-530.206 χ²/NDF: 22.5/17
Left In: -326.814+/-615.319 χ²/NDF:4.2/7
Left: -449.913+/-449.542 χ²/NDF: 17.9/15
Right: 324.641+/-378.346 χ²/NDF: 43.4/33
In: 196.797+/-405.892 χ²/NDF:25.8/23
Out: -196.602+/-412.942 χ²/NDF:36.7/25
All: 3.484+/-289.469 χ²/NDF: 63.0/49



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: 1626.456+/-0.435 χ^2/NDF:64313.1/7

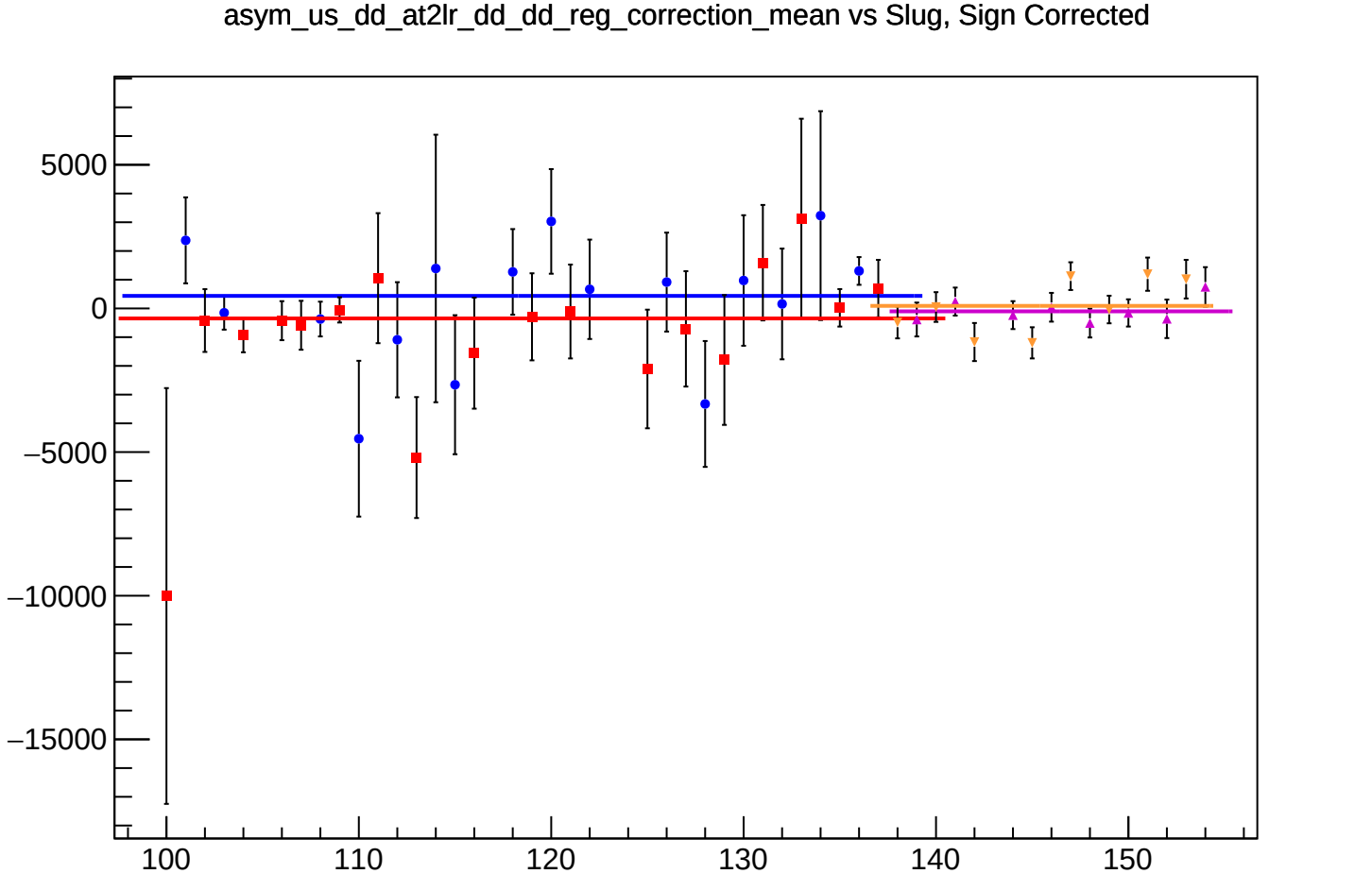
Left: 1630.860+/-0.318 χ^2/NDF: 132603.0/15

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1511.256+/-0.287 χ^2/NDF:748676.7/23

Out: 1489.272+/-0.292 χ^2/NDF:625291.1/25

All: 1500.453+/-0.205 χ^2/NDF: 1376850.7/49



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 89.176+/-194.363 χ^2/NDF:20.5/7

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -101.371+/-188.750 χ^2/NDF:3.2/7

Left: -8.888+/-135.407 χ^2/NDF: 24.3/15

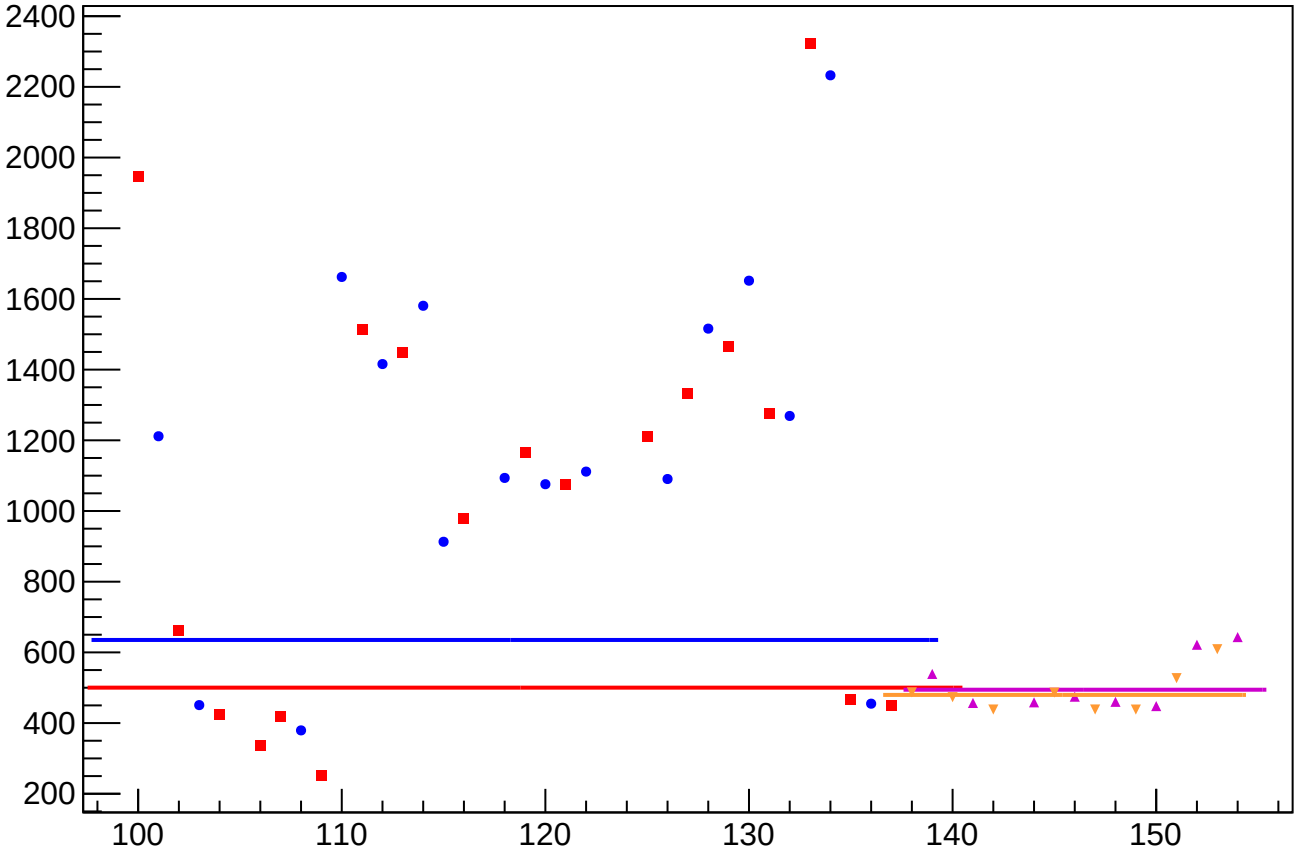
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 70.098+/-155.786 χ^2/NDF:25.2/23

Out: -89.765+/-149.447 χ^2/NDF:36.5/25

All: -13.152+/-107.846 χ^2/NDF: 62.2/49

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: 494.361+/-0.133 χ^2/NDF:231859.3/7

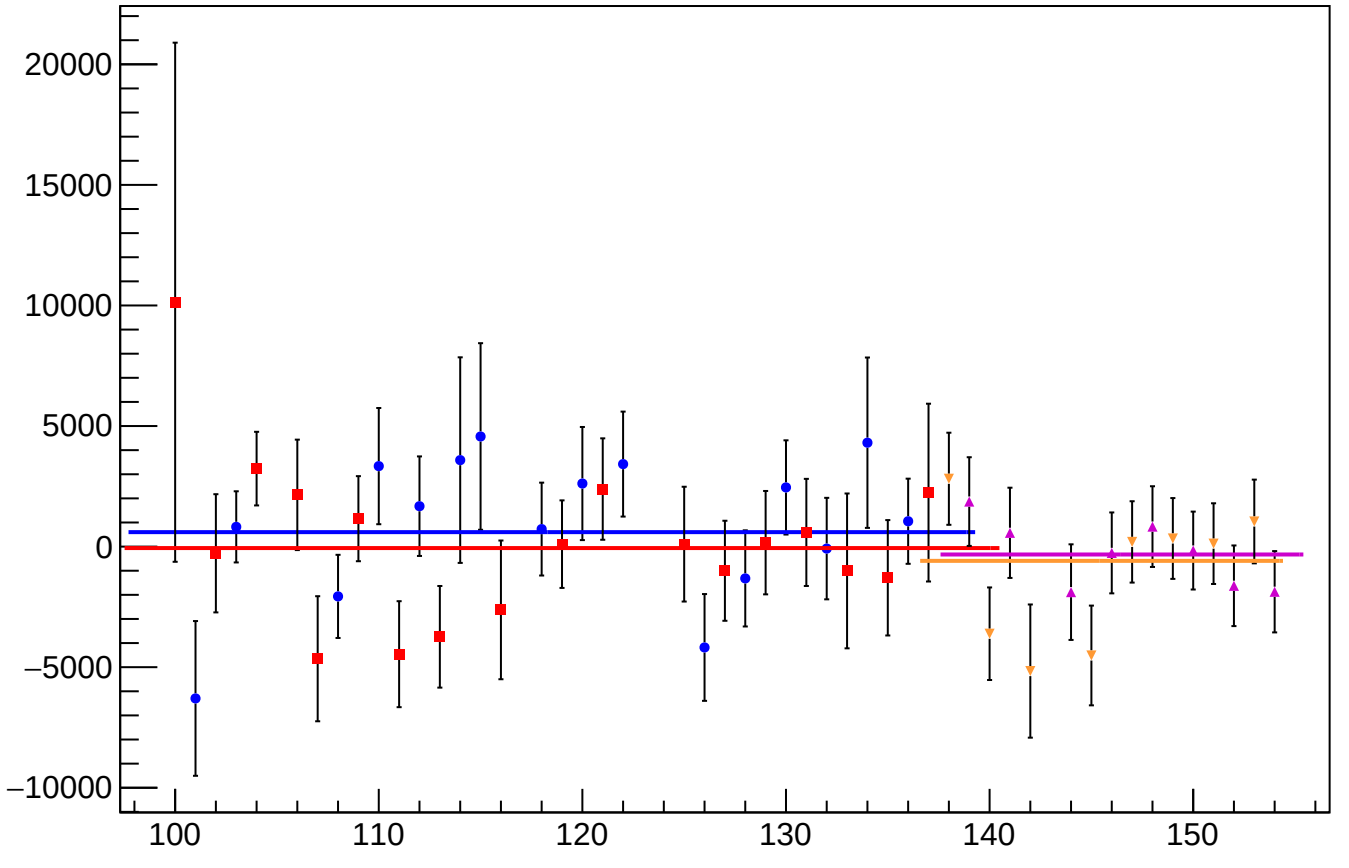
Left: 487.224+/-0.096 χ^2/NDF: 363547.1/15

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 539.238+/-0.110 χ^2/NDF:4339095.8/23

Out: 488.067+/-0.106 χ^2/NDF:4444051.4/25

All: 512.590+/-0.076 χ^2/NDF: 8895518.4/49


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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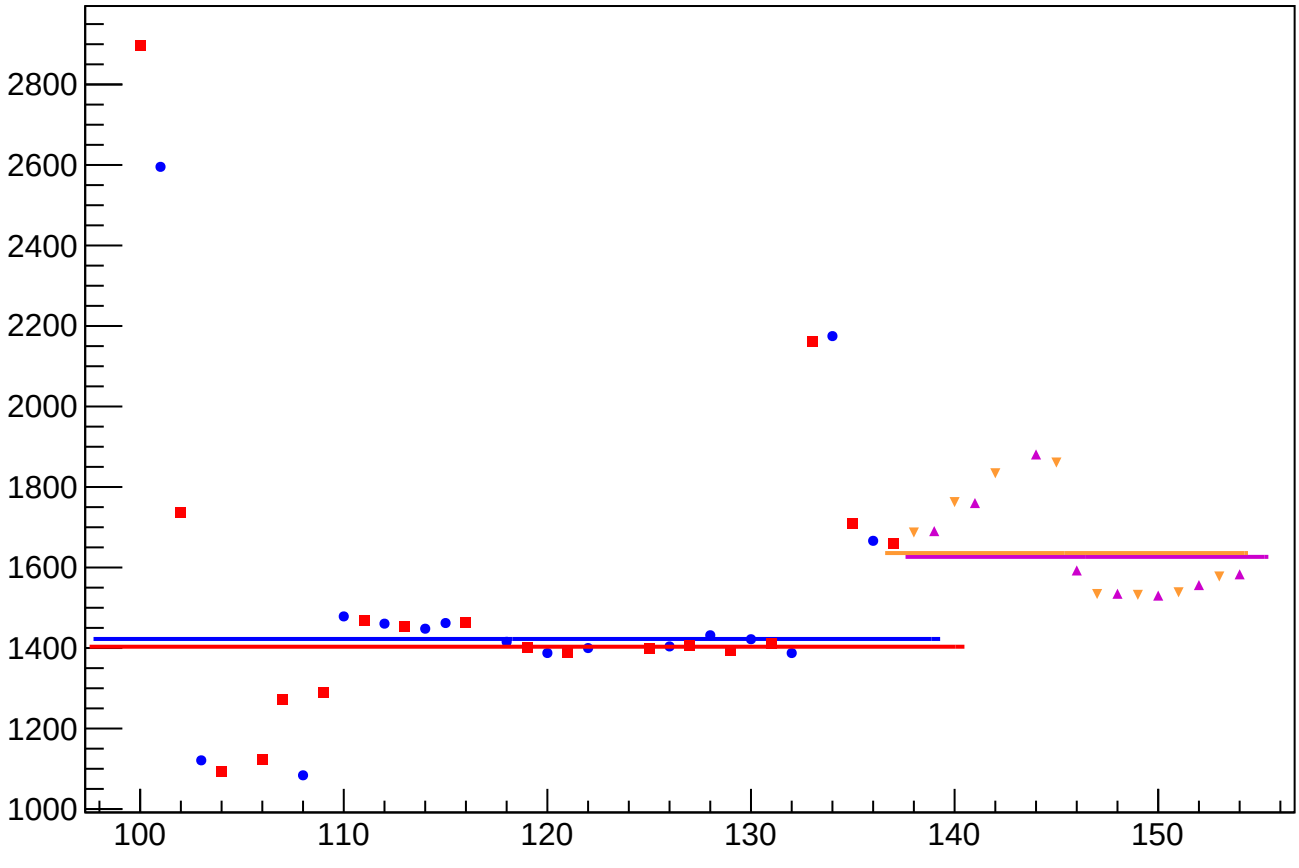
140
150
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -590.917+/-658.356 χ²/NDF:13.6/7
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -326.846+/-615.319 χ²/NDF:4.2/7
Left: -449.969+/-449.542 χ²/NDF: 17.9/15
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 196.712+/-405.892 χ²/NDF:25.8/23
Out: -270.341+/-414.176 χ²/NDF:34.3/25
All: -32.097+/-289.894 χ²/NDF: 60.8/49



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: 1626.456+/-0.435 χ^2/NDF:64313.1/7

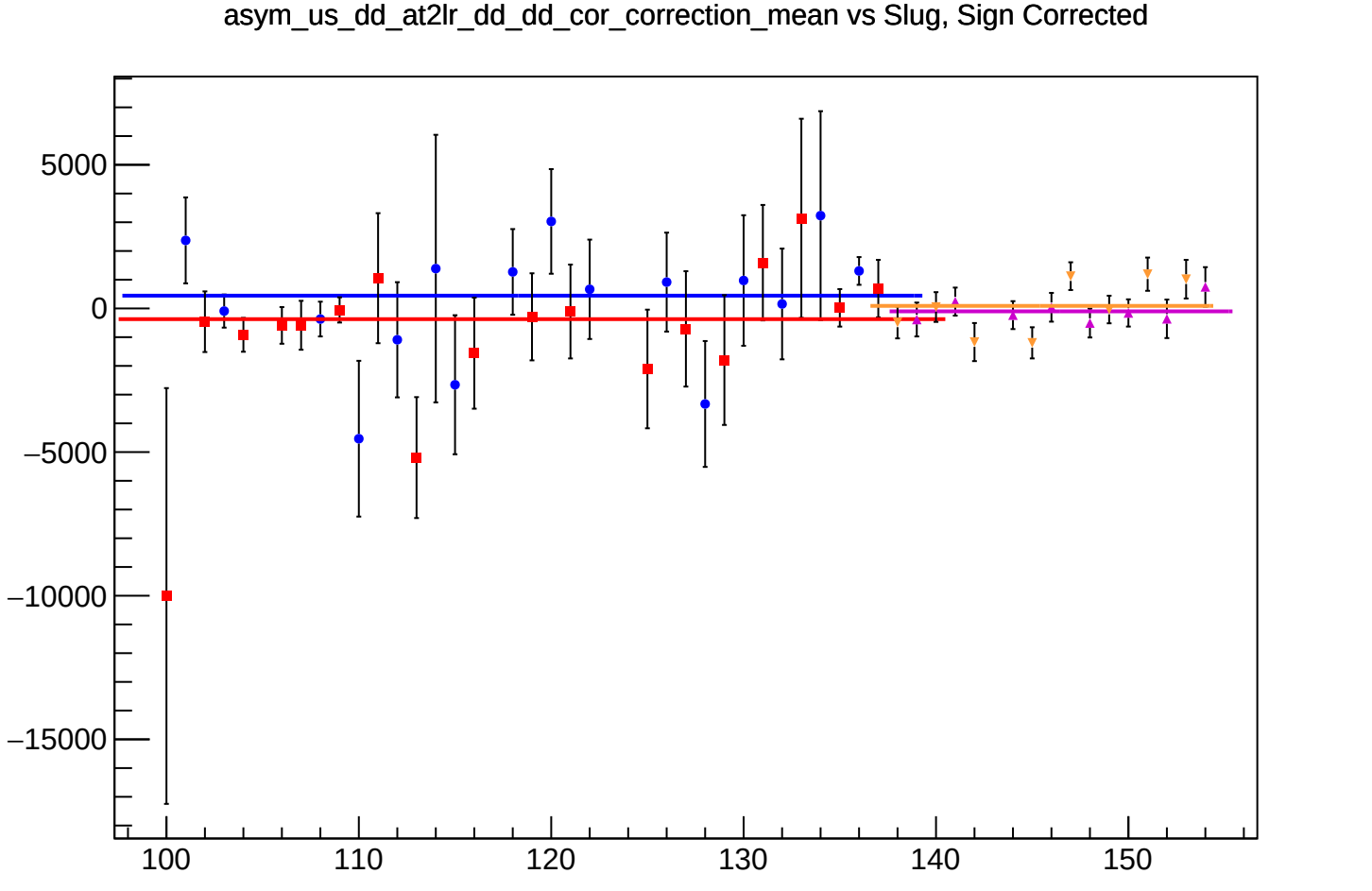
Left: 1630.860+/-0.318 χ^2/NDF: 132603.0/15

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1511.256+/-0.287 χ^2/NDF:748677.0/23

Out: 1495.309+/-0.293 χ^2/NDF:578134.3/25

All: 1503.443+/-0.205 χ^2/NDF: 1328323.7/49



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: -101.468+/-188.747 χ^2/NDF:3.2/7

Left: -8.940+/-135.408 χ^2/NDF: 24.3/15

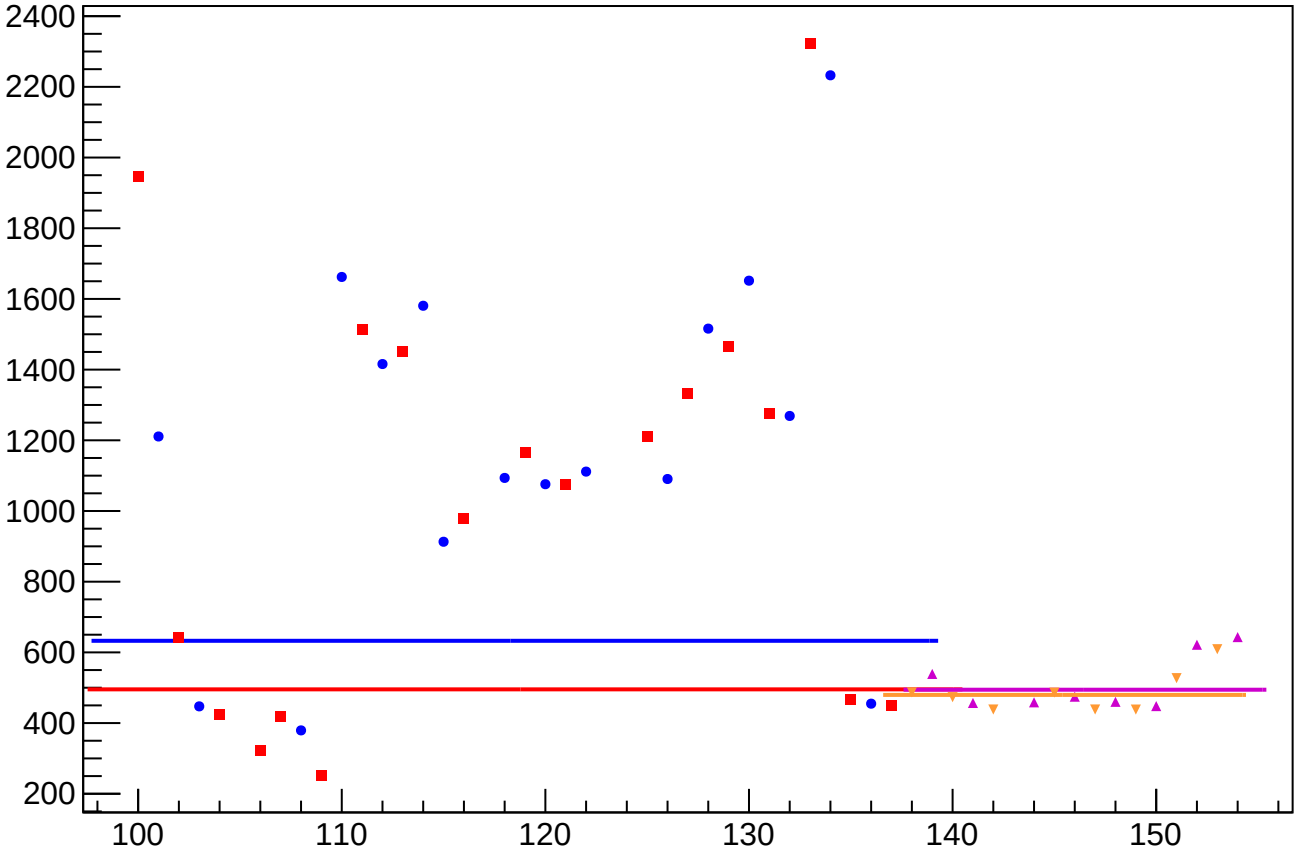
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 73.793+/-155.571 χ^2/NDF:25.1/23

Out: -101.866+/-148.818 χ^2/NDF:36.9/25

All: -17.932+/-107.538 χ^2/NDF: 62.6/49

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: 494.353+/-0.133 χ^2/NDF:231861.4/7

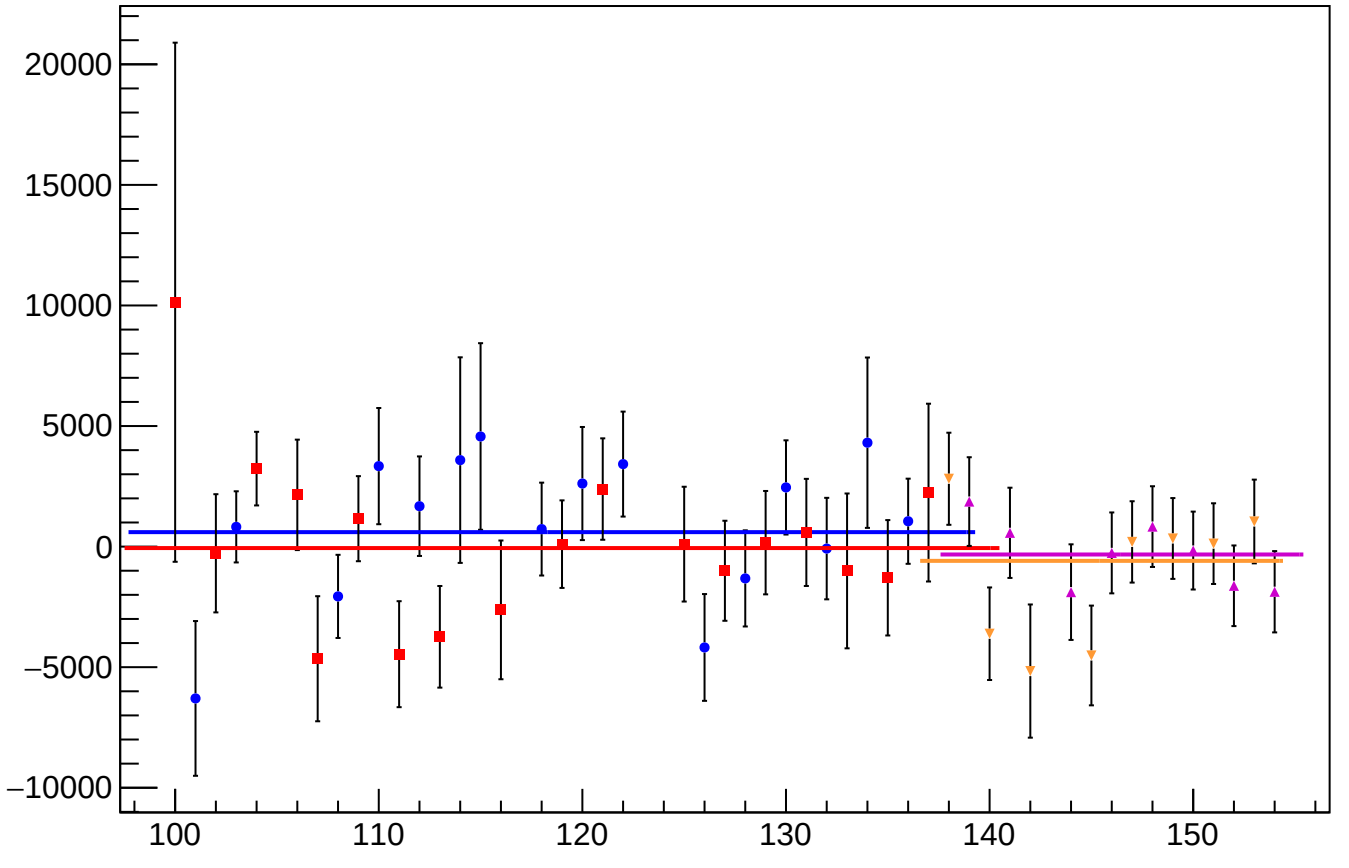
Left: 487.225+/-0.096 χ^2/NDF: 363490.9/15

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 538.730+/-0.110 χ^2/NDF:4344388.8/23

Out: 486.168+/-0.105 χ^2/NDF:4468645.9/25

All: 511.284+/-0.076 χ^2/NDF: 8932251.1/49


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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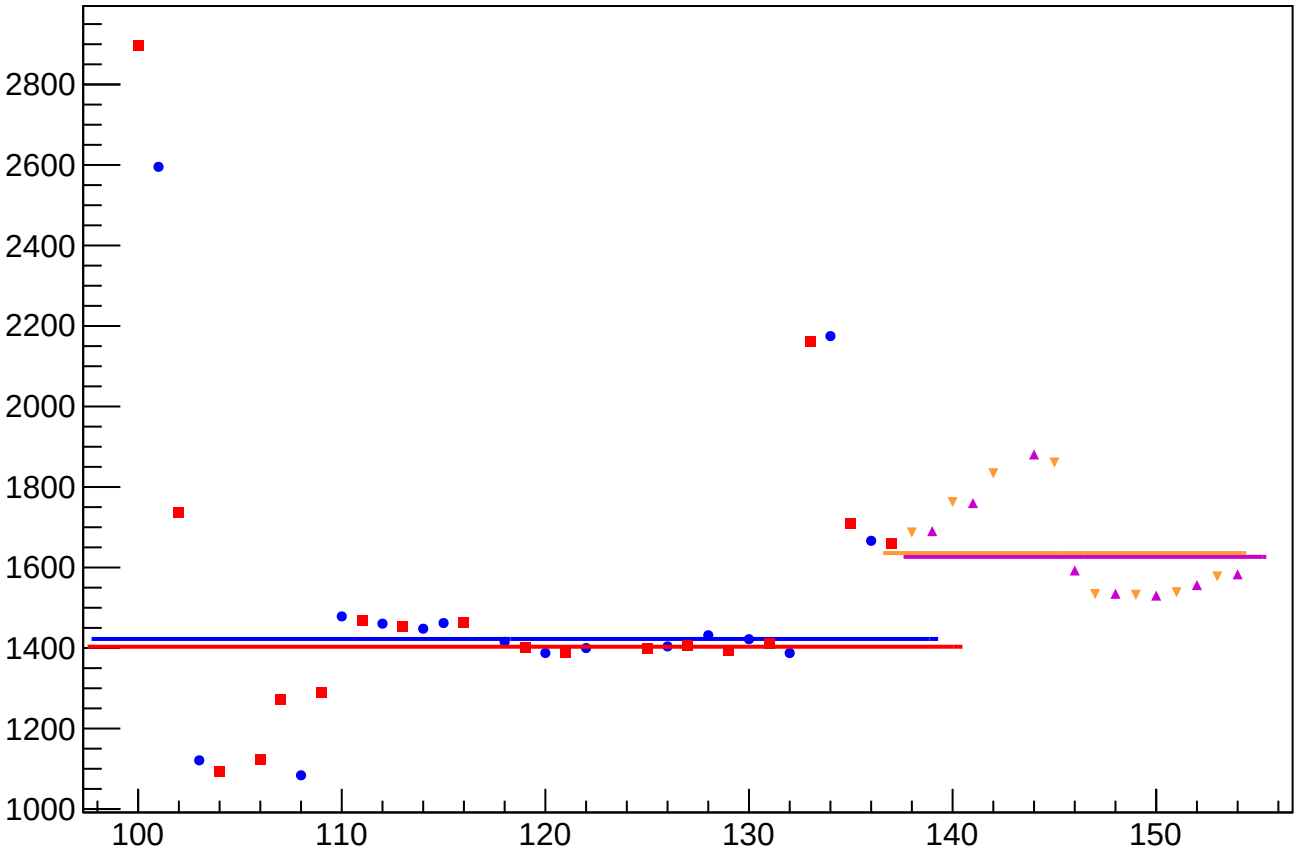
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -590.917+/-658.356 χ²/NDF:13.6/7
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -326.846+/-615.319 χ²/NDF:4.2/7
Left: -449.969+/-449.542 χ²/NDF: 17.9/15
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 196.712+/-405.892 χ²/NDF:25.8/23
Out: -270.341+/-414.176 χ²/NDF:34.3/25
All: -32.097+/-289.894 χ²/NDF: 60.8/49



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: 1626.456+/-0.435 χ^2/NDF:64313.1/7

Left: 1630.860+/-0.318 χ^2/NDF: 132603.0/15

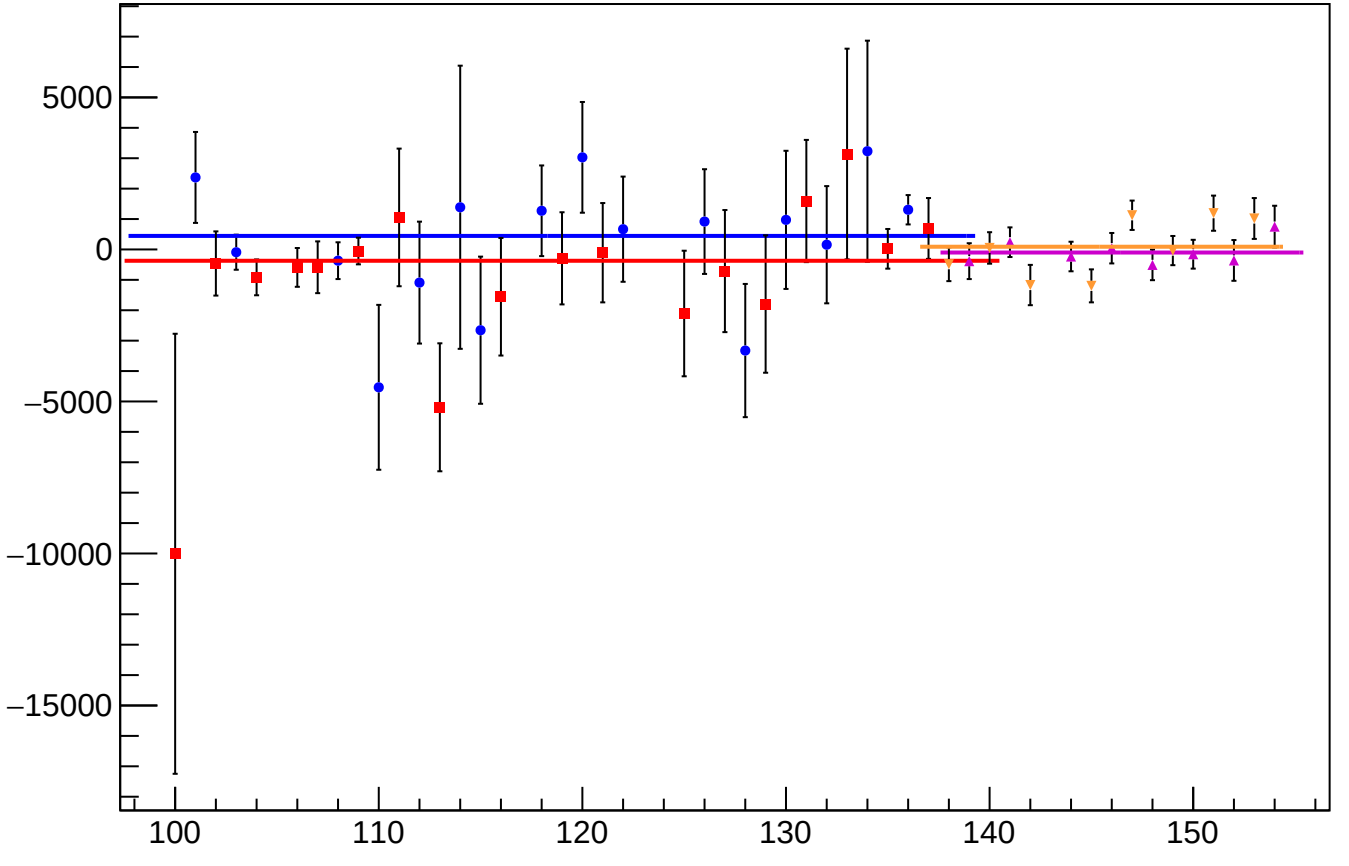
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1511.256+/-0.287 χ^2/NDF:748677.0/23

Out: 1495.309+/-0.293 χ^2/NDF:578134.3/25

All: 1503.443+/-0.205 χ^2/NDF: 1328323.7/49

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: -101.468+/-188.747 χ^2/NDF:3.2/7

Left: -8.940+/-135.408 χ^2/NDF: 24.3/15

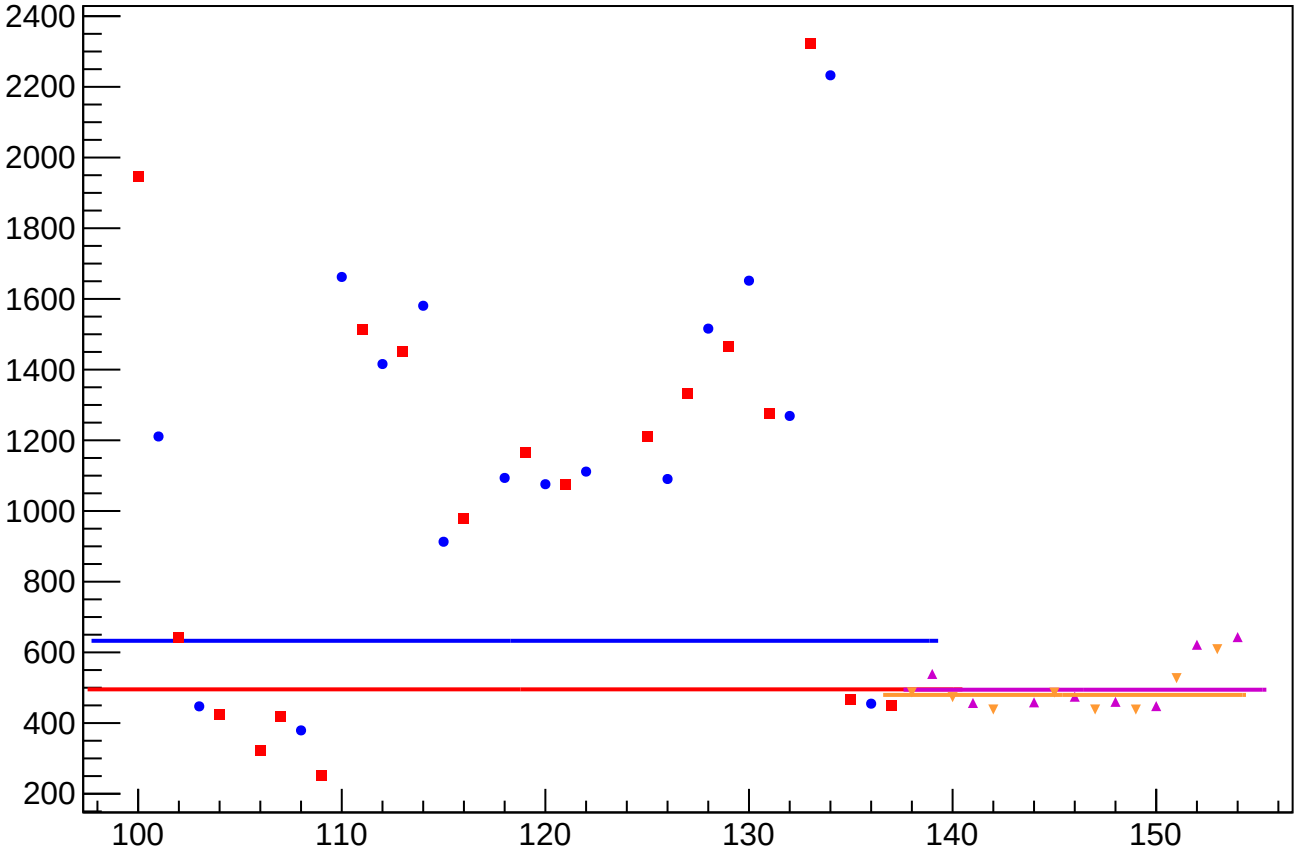
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 73.793+/-155.571 χ^2/NDF:25.1/23

Out: -101.866+/-148.818 χ^2/NDF:36.9/25

All: -17.932+/-107.538 χ^2/NDF: 62.6/49

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: 494.353+/-0.133 χ^2/NDF:231861.4/7

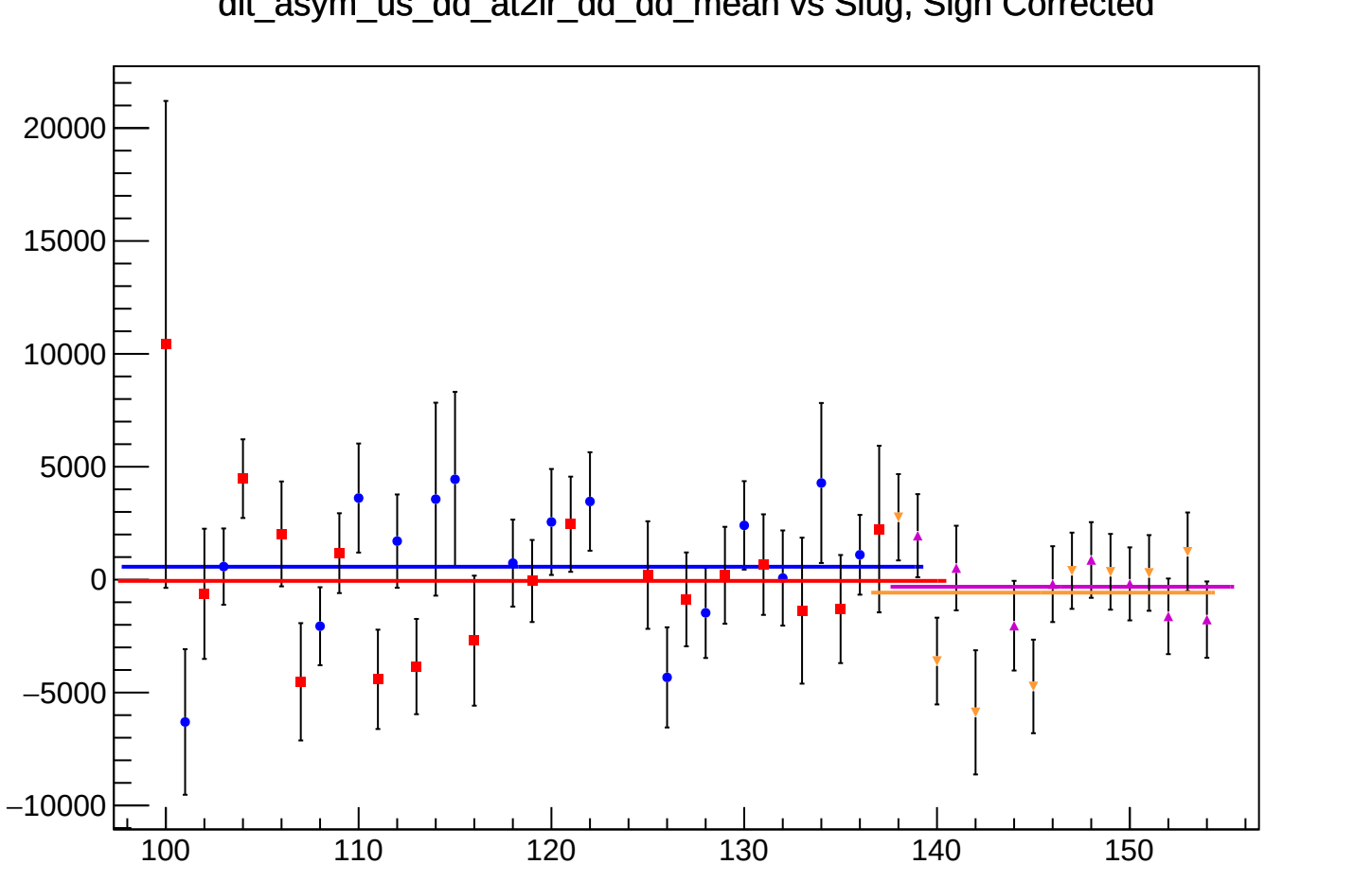
Left: 487.225+/-0.096 χ^2/NDF: 363490.9/15

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 538.730+/-0.110 χ^2/NDF:4344388.8/23

Out: 486.168+/-0.105 χ^2/NDF:4468645.9/25

All: 511.284+/-0.076 χ^2/NDF: 8932251.1/49


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
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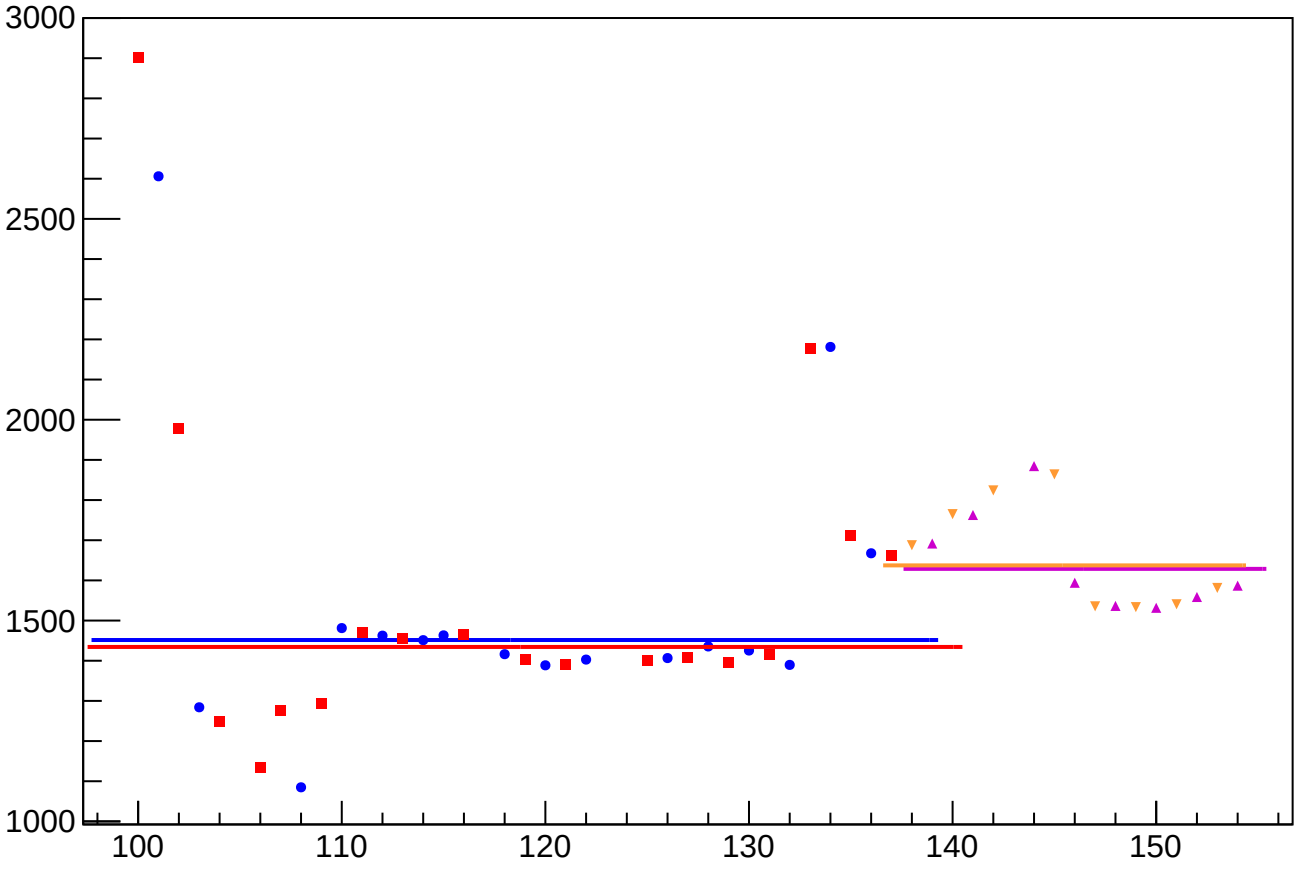
120
130
140
150
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: -573.686+/-658.977 χ²/NDF:15.3/7
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: -312.994+/-616.179 χ²/NDF:4.3/7
Left: -434.600+/-450.074 χ²/NDF: 19.7/15
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 180.013+/-410.168 χ²/NDF:26.3/23
Out: -265.099+/-420.139 χ²/NDF:38.1/25
All: -37.199+/-293.494 χ²/NDF: 65.0/49



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: 1628.696+/-0.436 χ^2/NDF:64594.6/7

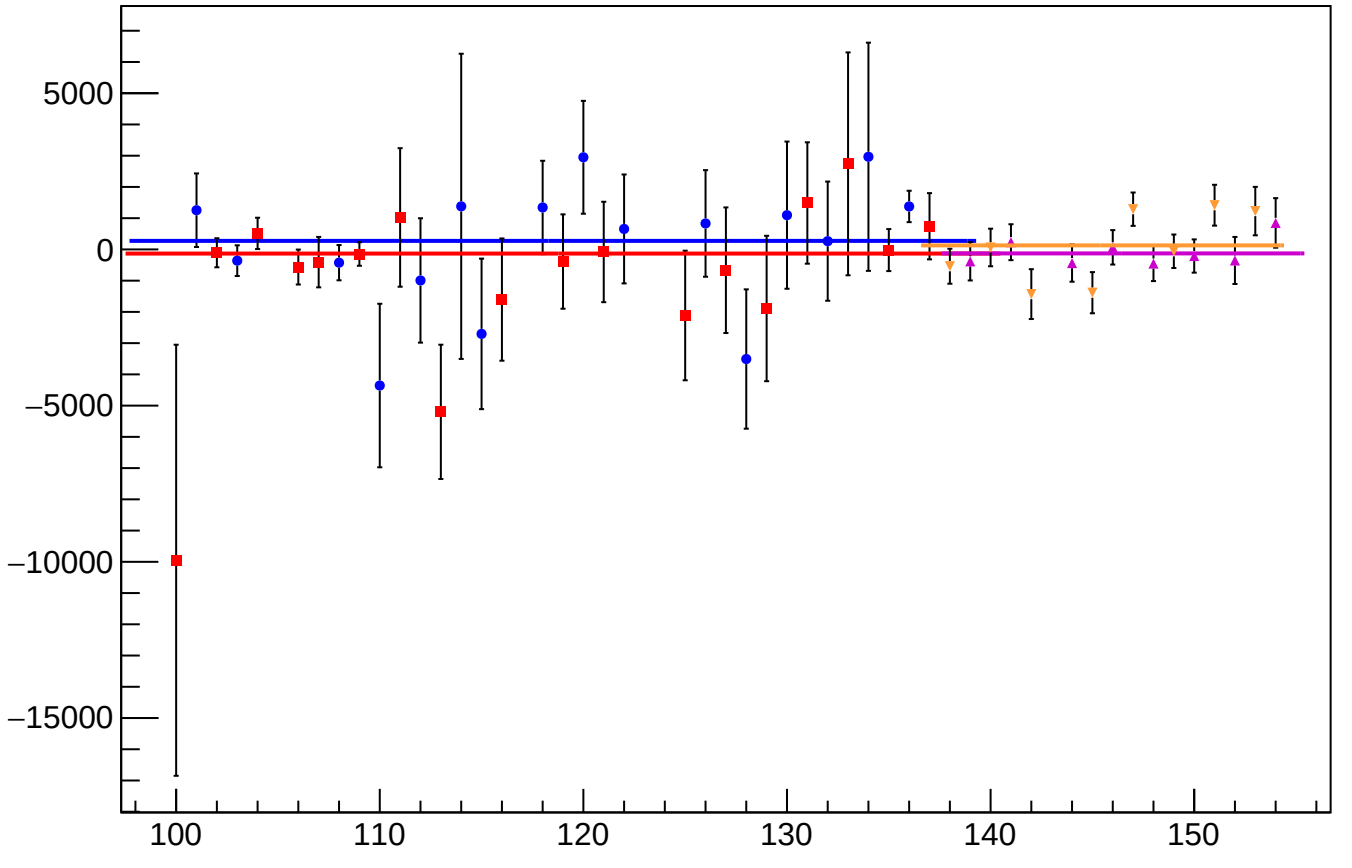
Left: 1632.742+/-0.318 χ^2/NDF: 131842.5/15

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1530.061+/-0.290 χ^2/NDF:644457.0/23

Out: 1516.857+/-0.297 χ^2/NDF:508351.5/25

All: 1523.618+/-0.208 χ^2/NDF: 1153820.0/49



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: -127.618+/-213.852 χ^2/NDF:2.9/7

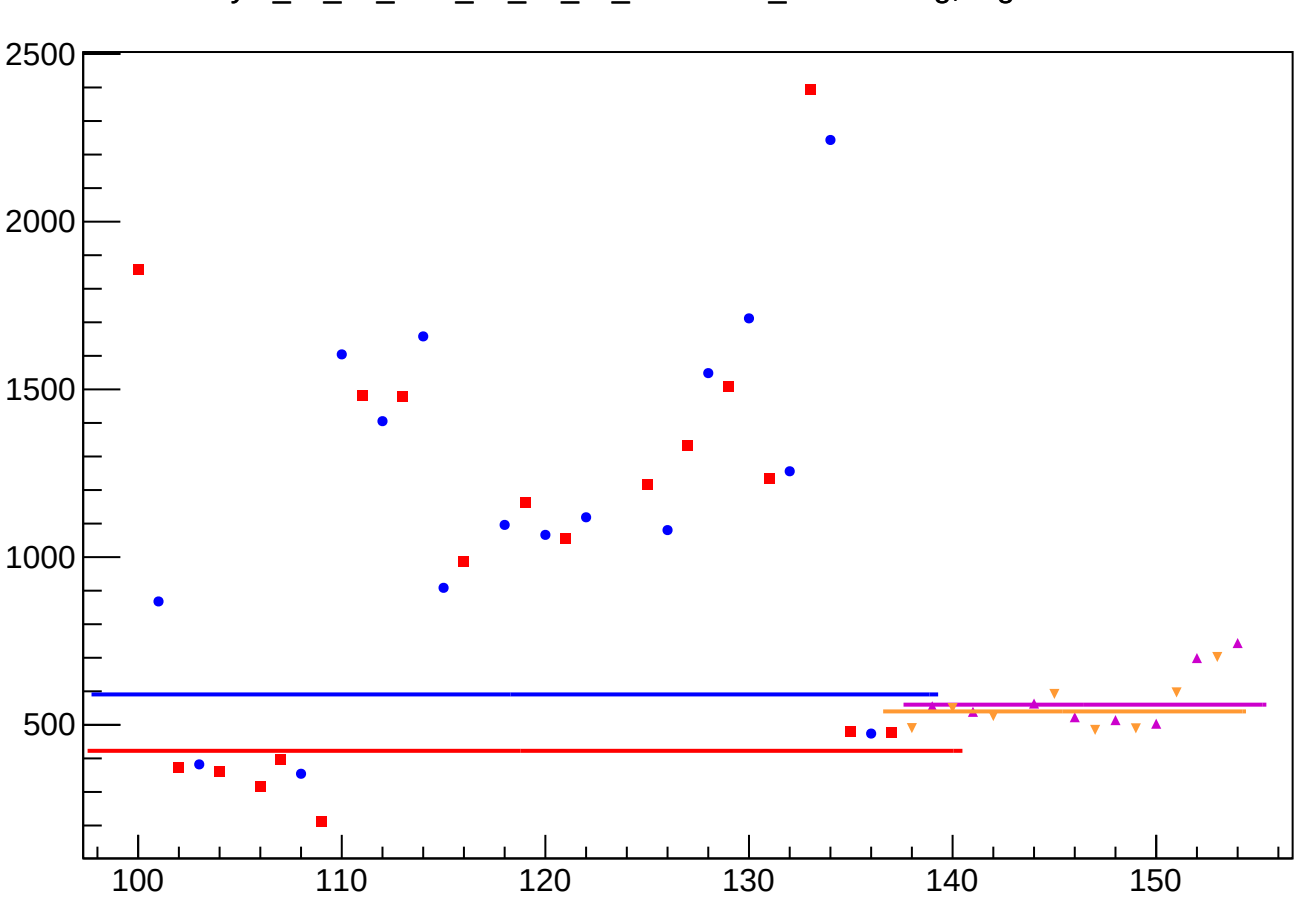
Left: -2.289+/-153.033 χ^2/NDF: 24.9/15

Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 33.821+/-165.299 χ^2/NDF:24.5/23

Out: -16.222+/-146.048 χ^2/NDF:36.5/25

All: 5.717+/-109.448 χ^2/NDF: 61.1/49


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
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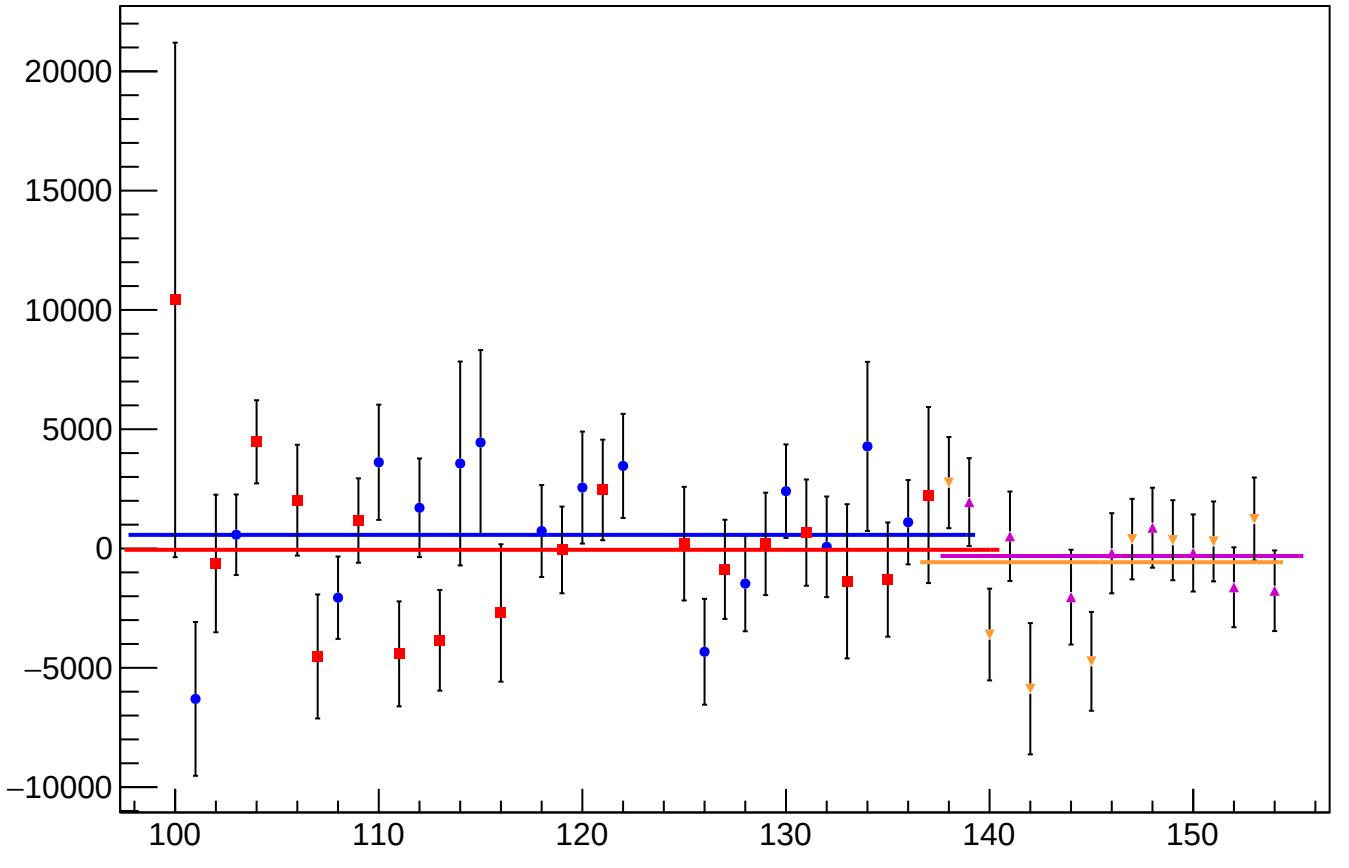
500
100
110
120
130
140
150
Right In: 590.749+/-0.184 χ²/NDF: 3885502.1/15
Left Out: 540.099+/-0.155 χ²/NDF:171220.9/7
Right Out: 422.629+/-0.139 χ²/NDF: 4858014.6/17
Left In: 560.221+/-0.151 χ²/NDF:223671.8/7
Left: 550.403+/-0.108 χ²/NDF: 403531.7/15
Right: 483.362+/-0.111 χ²/NDF: 9275456.5/33
In: 572.509+/-0.117 χ²/NDF:4125580.0/23
Out: 474.831+/-0.103 χ²/NDF:5348708.9/25
All: 517.654+/-0.077 χ²/NDF: 9866490.7/49



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: -312.998+/-616.179 χ^2/NDF:4.3/7

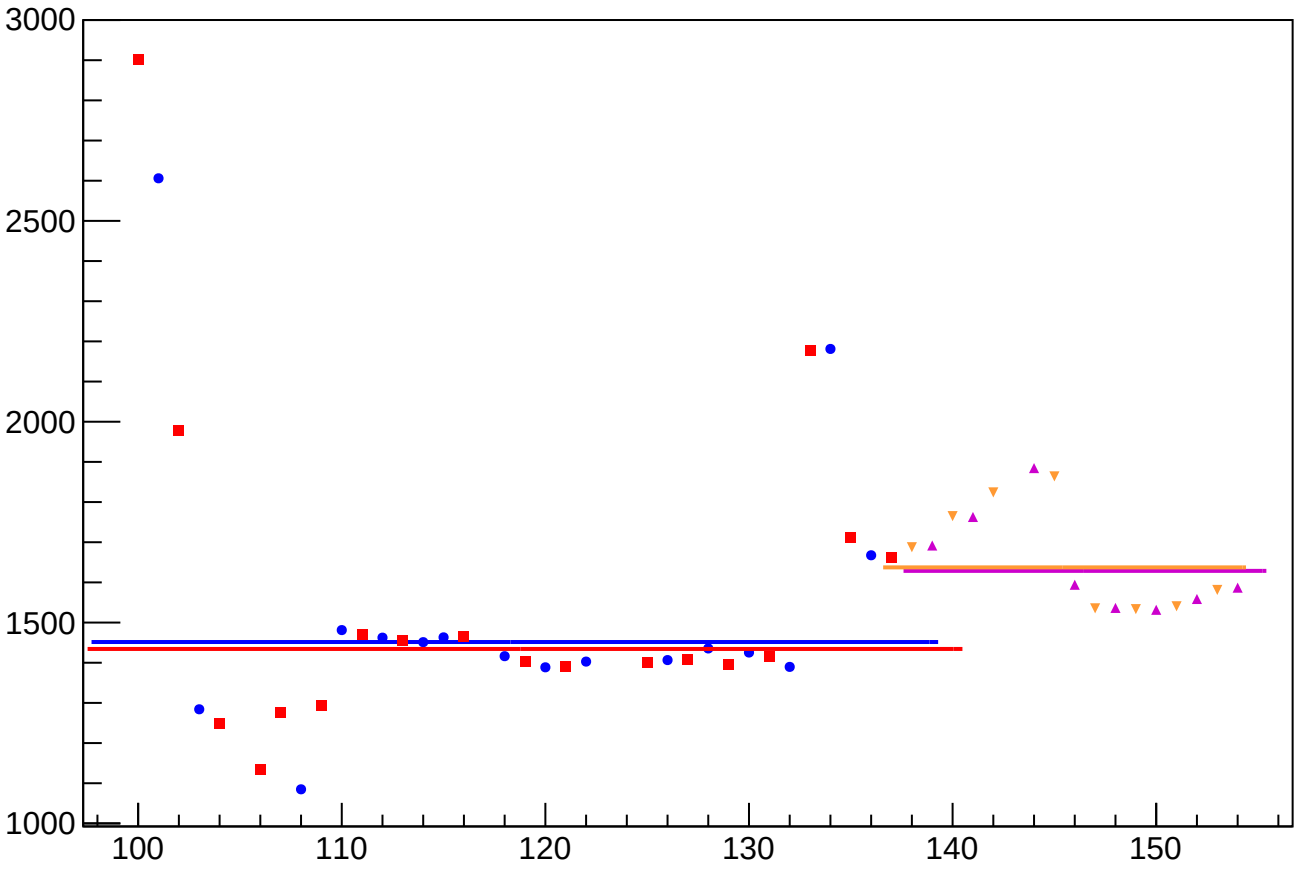
Left: -434.606+/-450.074 χ^2/NDF: 19.7/15

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 180.011+/-410.168 χ^2/NDF:26.3/23

Out: -265.101+/-420.139 χ^2/NDF:38.1/25

All: -37.201+/-293.494 χ^2/NDF: 65.0/49



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: 1628.696+/-0.436 χ^2/NDF:64594.8/7

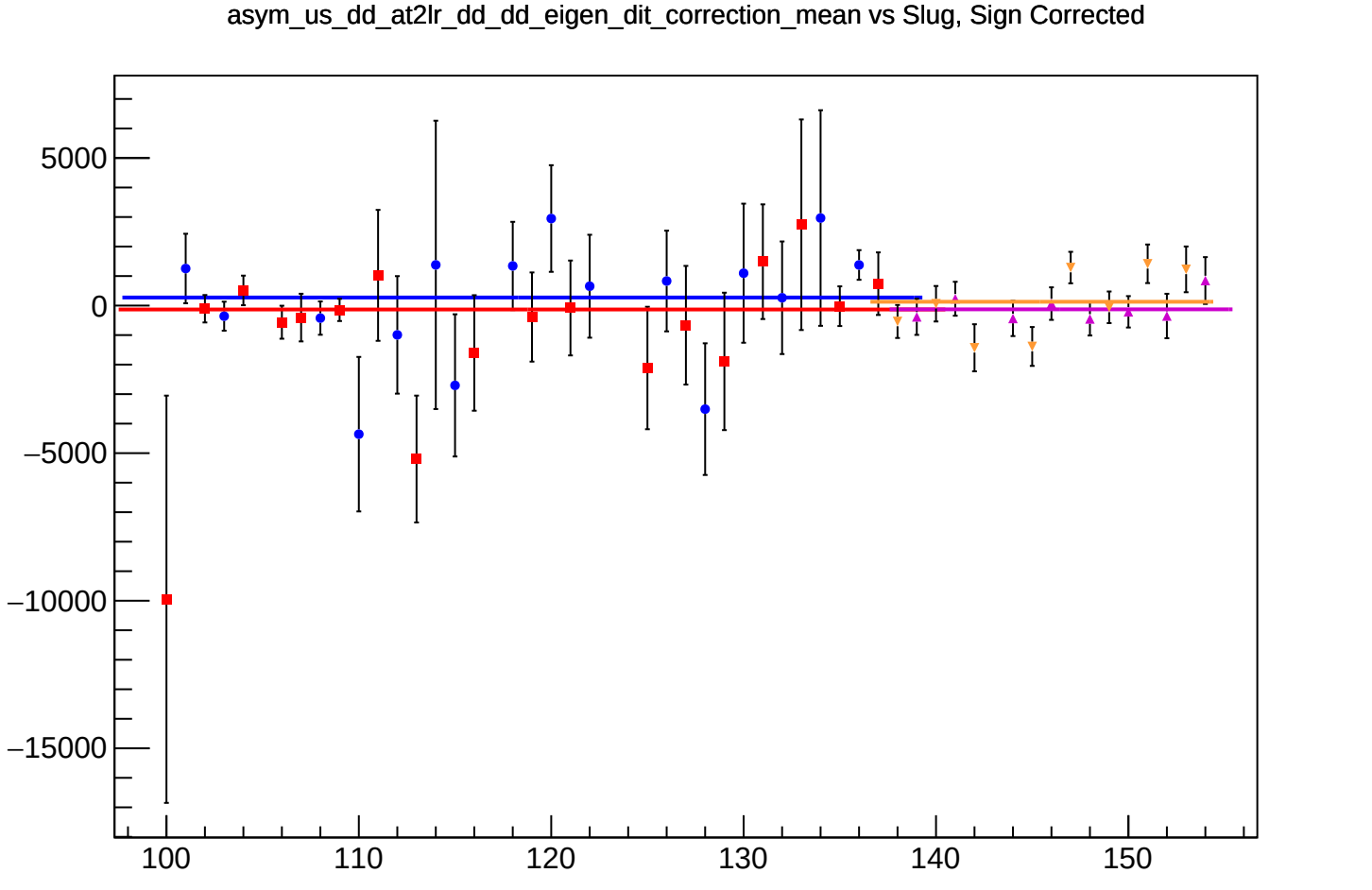
Left: 1632.742+/-0.318 χ^2/NDF: 131842.8/15

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

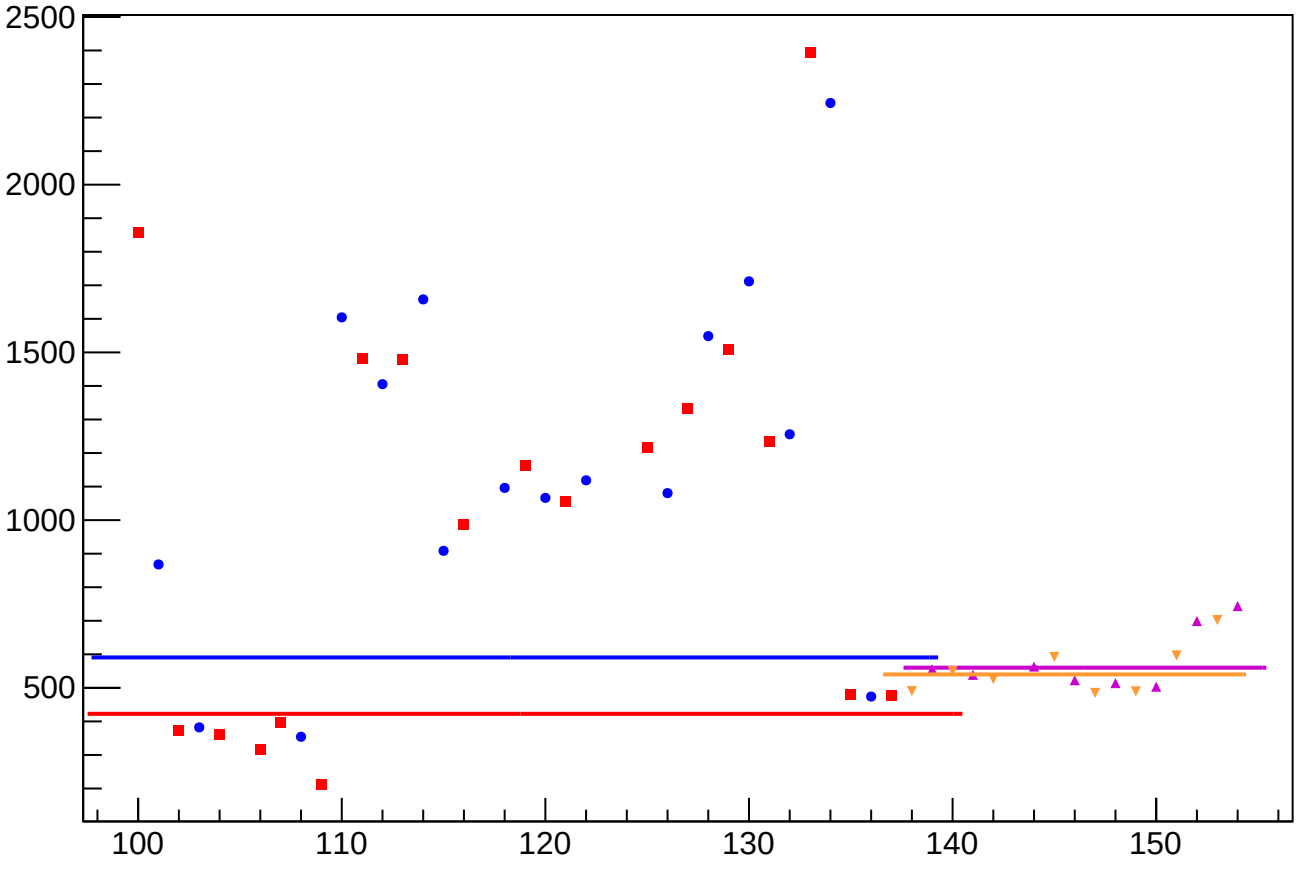
In: 1530.061+/-0.290 χ^2/NDF:644456.7/23

Out: 1516.857+/-0.297 χ^2/NDF:508351.9/25

All: 1523.618+/-0.208 χ^2/NDF: 1153820.1/49


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 273.429+/-260.536 χ²/NDF: 20.2/15
Left Out: 129.260+/-219.087 χ²/NDF:21.3/7
Right Out: -132.567+/-195.935 χ²/NDF: 14.4/17
Left In: -127.624+/-213.853 χ²/NDF:2.9/7
Left: -2.287+/-153.034 χ²/NDF: 24.9/15
Right: 14.101+/-156.594 χ²/NDF: 36.2/33
In: 33.814+/-165.299 χ²/NDF:24.5/23
Out: -16.214+/-146.049 χ²/NDF:36.5/25
All: 5.719+/-109.448 χ²/NDF: 61.1/49

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: 560.222+/-0.151 χ^2/NDF:223694.6/7

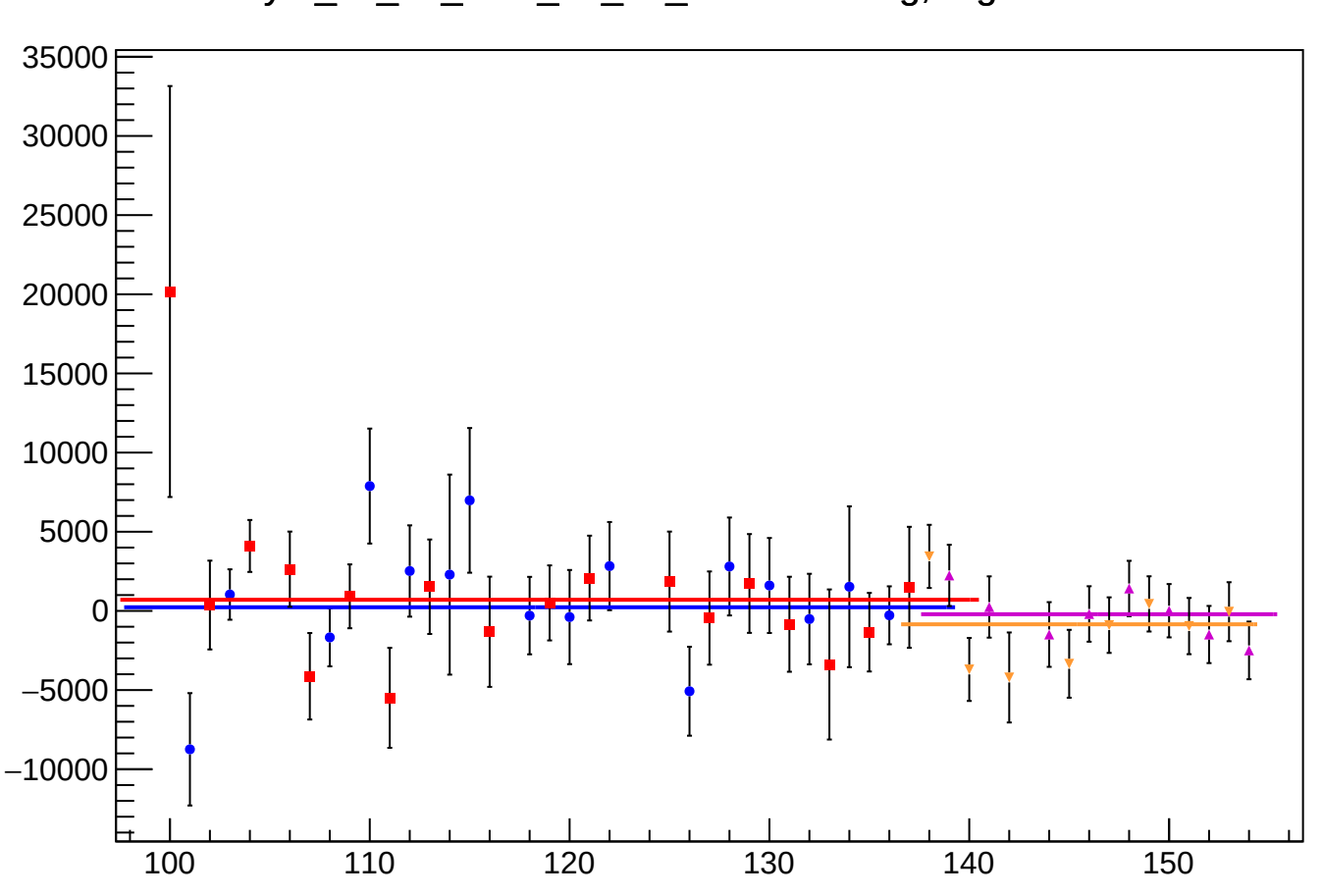
Left: 550.406+/-0.108 χ^2/NDF: 403549.9/15

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 572.509+/-0.117 χ^2/NDF:4125628.2/23

Out: 474.836+/-0.103 χ^2/NDF:5348611.2/25

All: 517.657+/-0.077 χ^2/NDF: 9866398.8/49



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: -208.827+/-647.240 χ^2/NDF:5.0/7

Left: -507.226+/-471.919 χ^2/NDF: 15.6/15

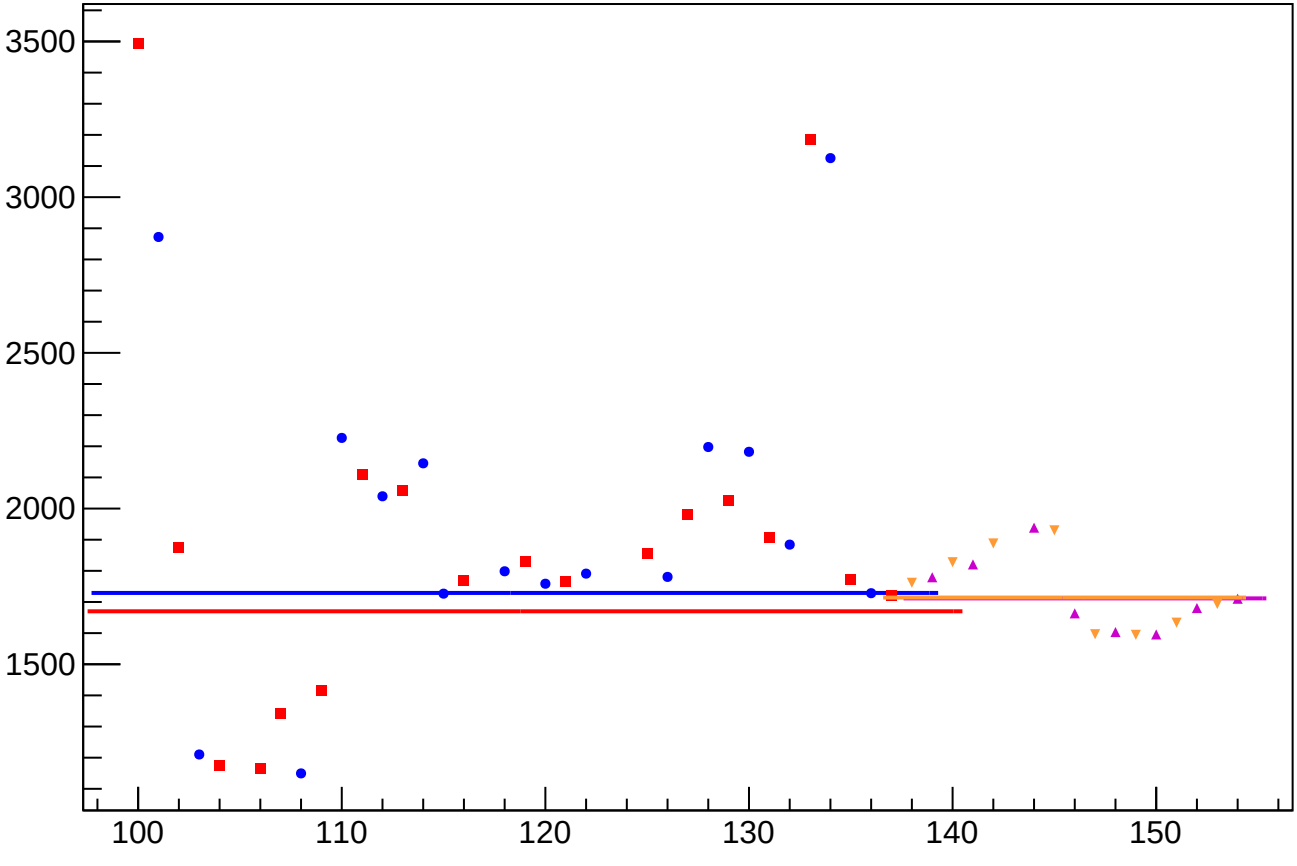
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 4.610+/-464.240 χ^2/NDF:26.0/23

Out: -24.151+/-472.337 χ^2/NDF:29.9/25

All: -9.522+/-331.093 χ^2/NDF: 55.8/49

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: 1711.548+/-0.458 χ^2/NDF:52722.6/7

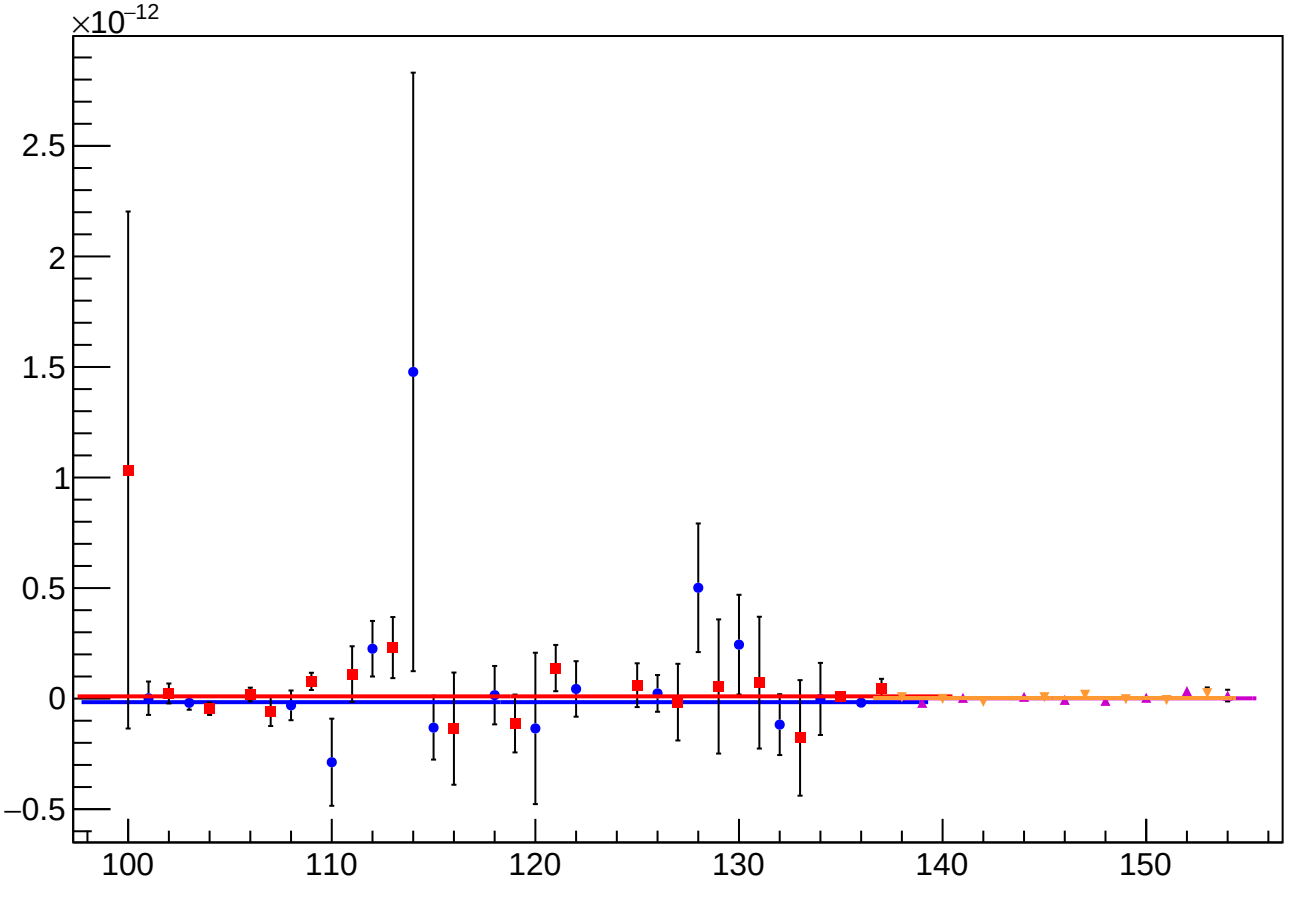
Left: 1712.791+/-0.334 χ^2/NDF: 110889.1/15

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1720.046+/-0.328 χ^2/NDF:995511.7/23

Out: 1690.770+/-0.334 χ^2/NDF:806953.9/25

All: 1705.661+/-0.234 χ^2/NDF: 1806373.8/49



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:5.8/7

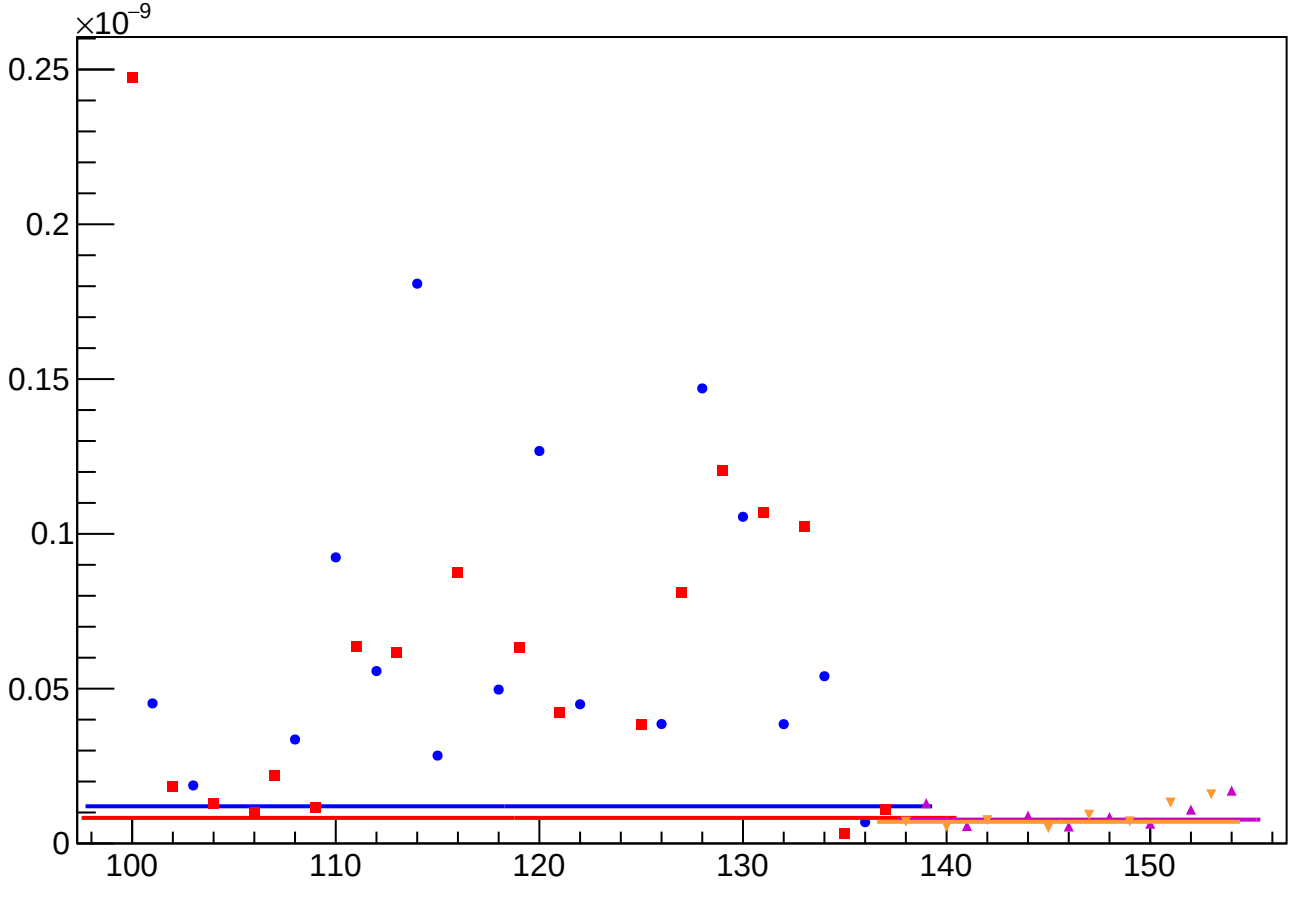
Left: 0.000+/-0.000 χ^2/NDF: 9.1/15

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:21.4/23

Out: 0.000+/-0.000 χ^2/NDF:20.2/25

All: 0.000+/-0.000 χ^2/NDF: 42.8/49



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:713083.2/7

Left: 0.000+/-0.000 χ^2/NDF: 1353468.8/15

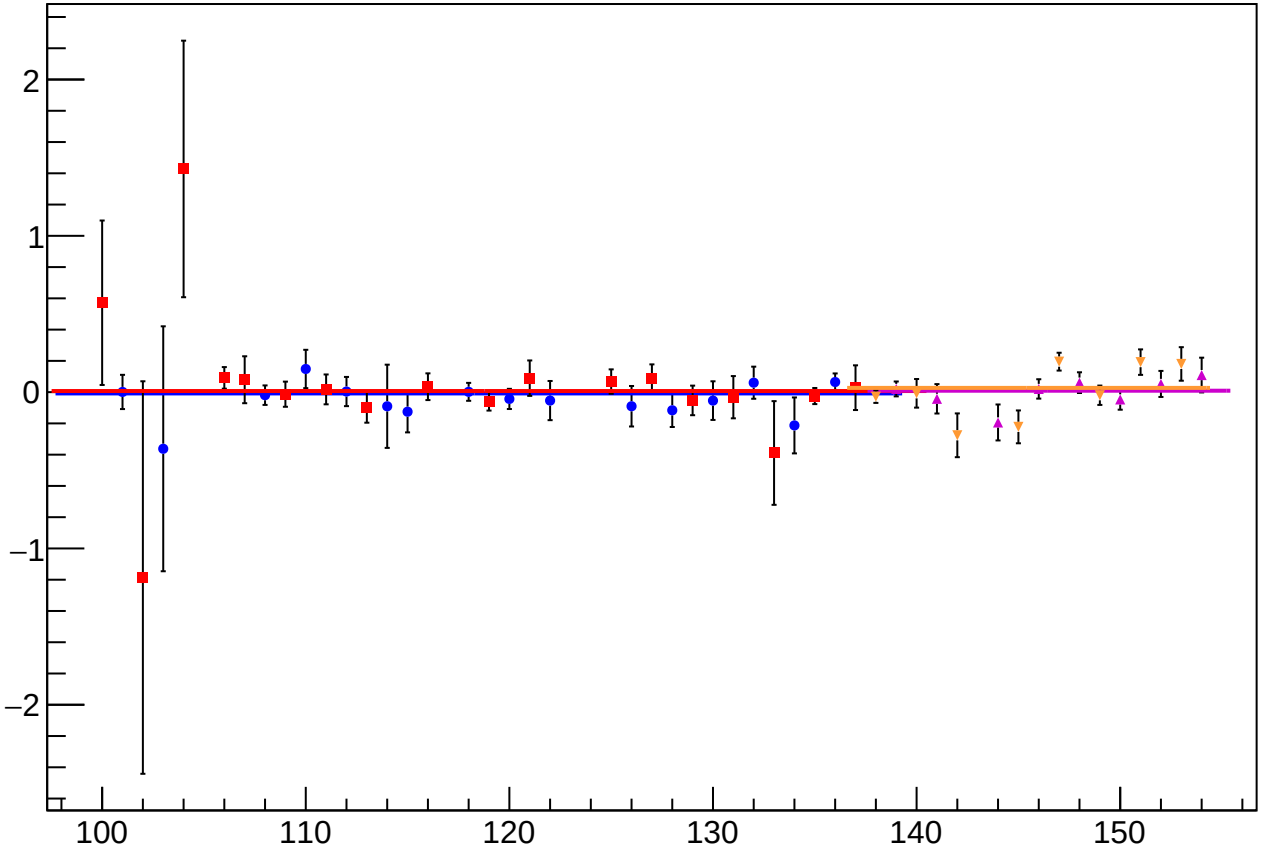
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4428321.2/23

Out: 0.000+/-0.000 χ^2/NDF:4160209.4/25

All: 0.000+/-0.000 χ^2/NDF: 8666657.2/49

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: 0.009+/-0.025 χ^2/NDF:5.9/7

Left: 0.018+/-0.017 χ^2/NDF: 34.0/15

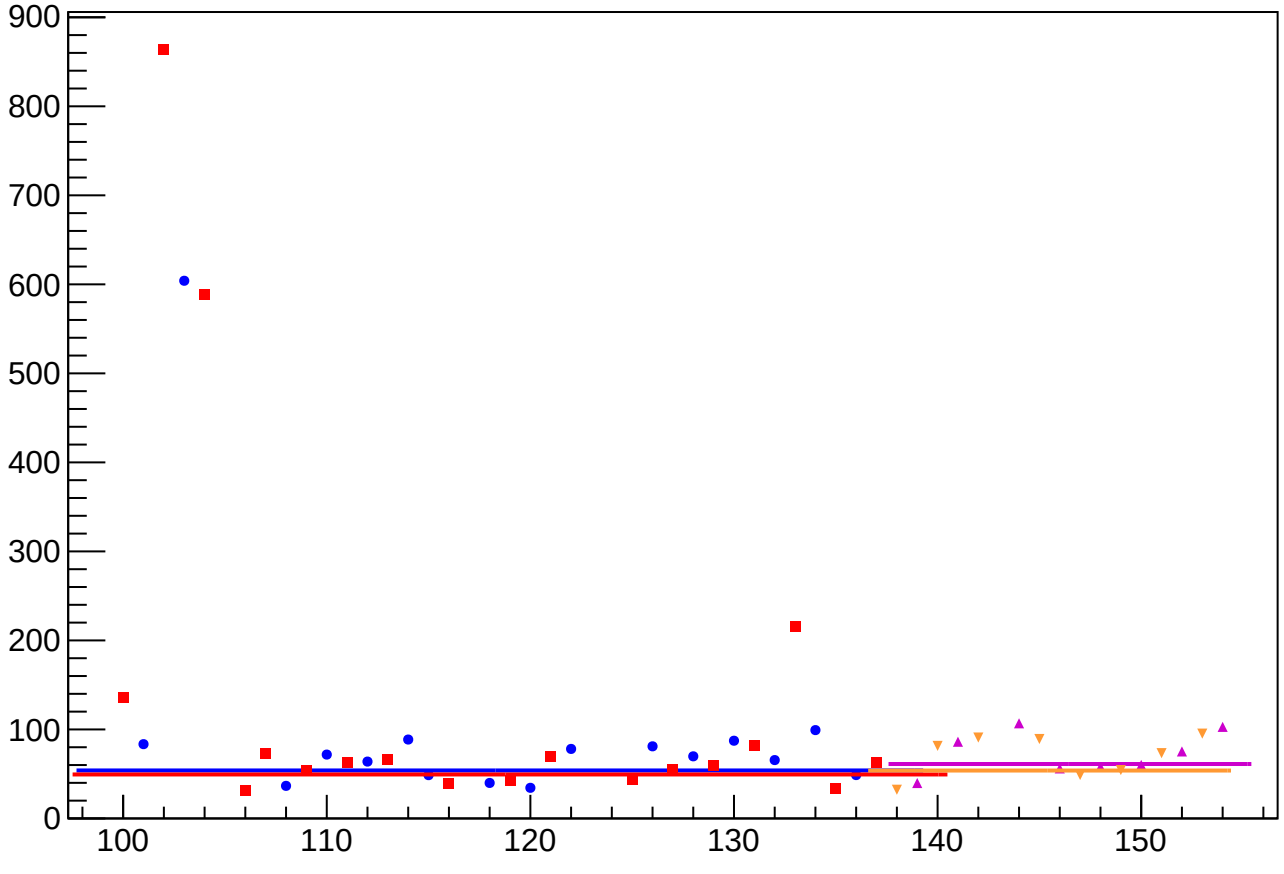
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.000+/-0.017 χ^2/NDF:14.5/23

Out: 0.016+/-0.016 χ^2/NDF:41.8/25

All: 0.008+/-0.012 χ^2/NDF: 56.8/49

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: 61.166+/-0.018 χ^2/NDF:1217577.6/7

Left: 57.367+/-0.012 χ^2/NDF: 2868058.3/15

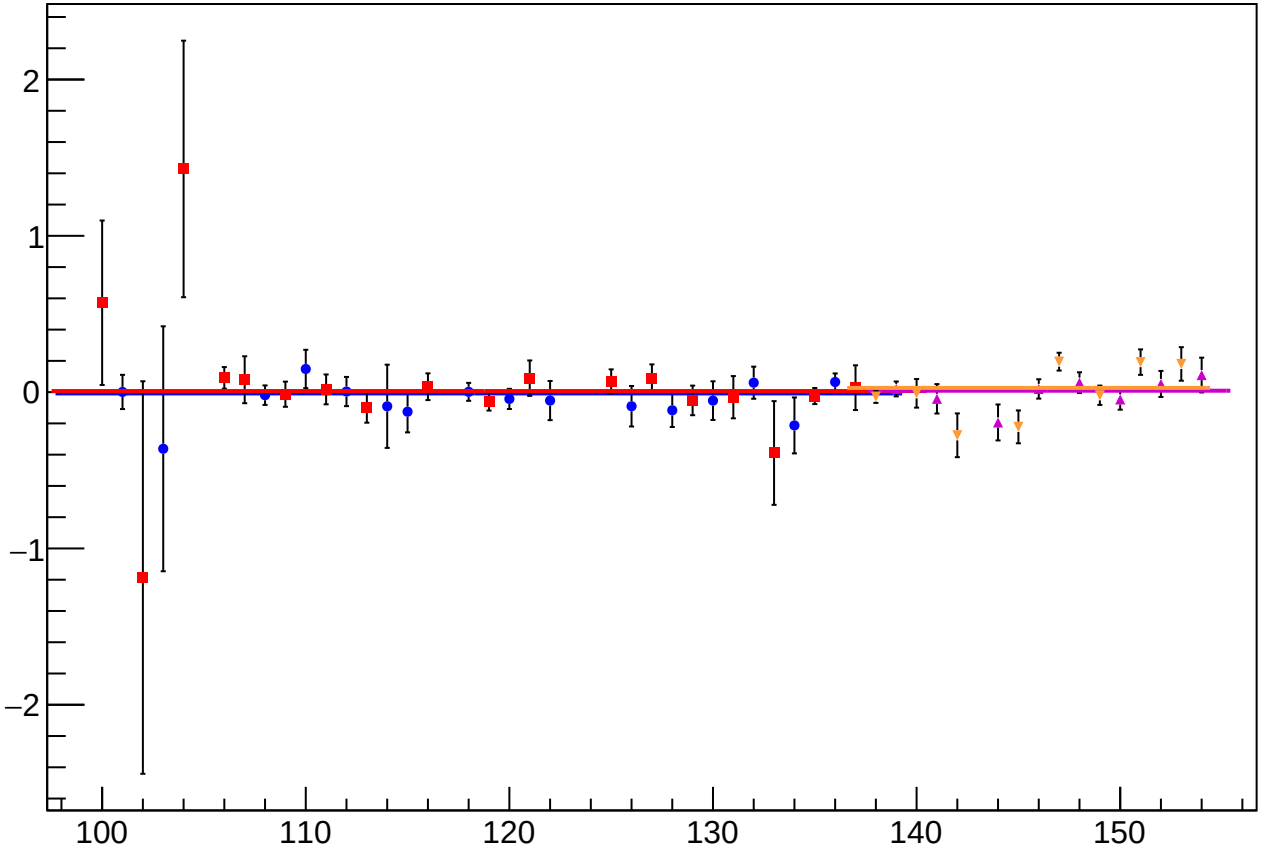
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 57.234+/-0.012 χ^2/NDF:3521617.5/23

Out: 51.431+/-0.012 χ^2/NDF:4616434.2/25

All: 54.223+/-0.008 χ^2/NDF: 8258533.8/49

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: 0.009+/-0.025 χ^2/NDF:5.9/7

Left: 0.018+/-0.017 χ^2/NDF: 34.0/15

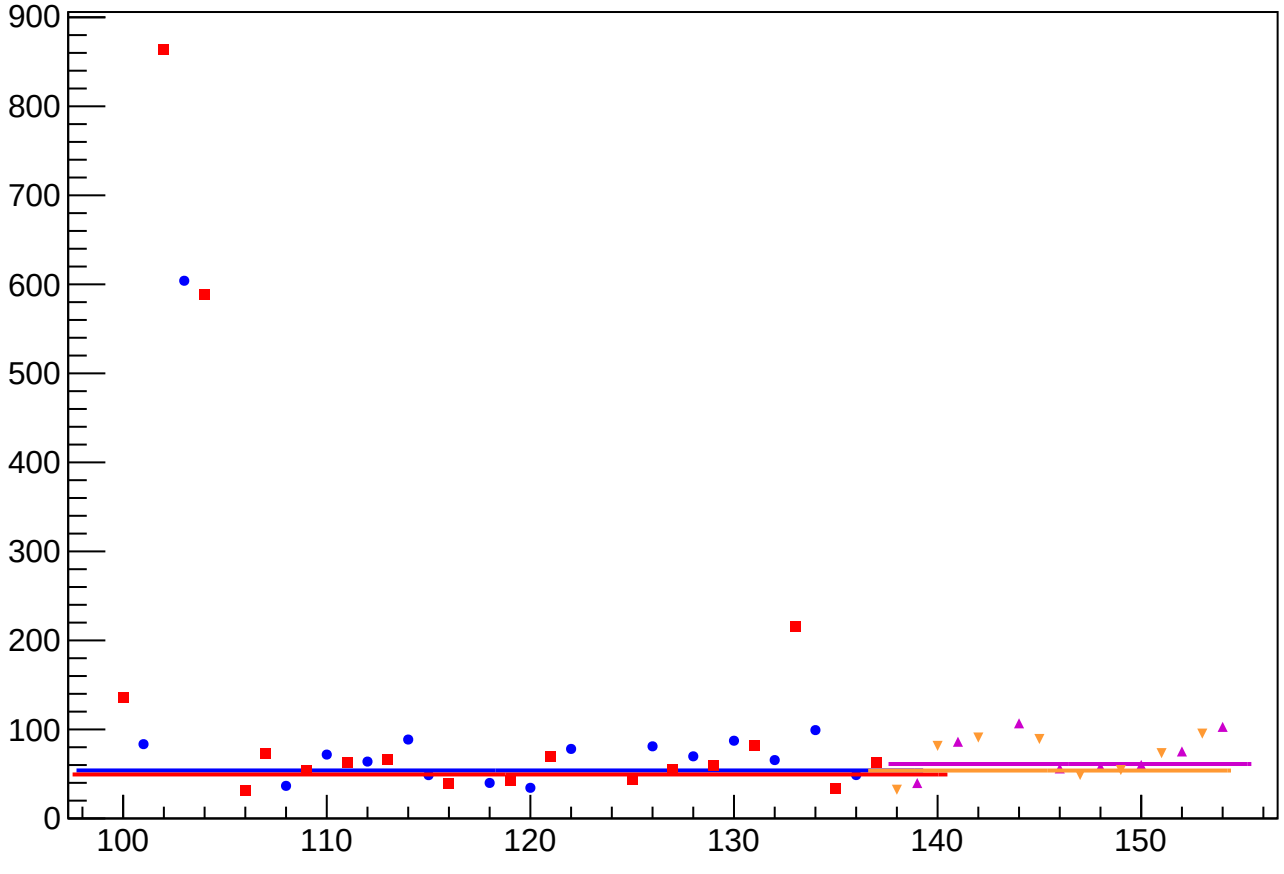
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.000+/-0.017 χ^2/NDF:14.5/23

Out: 0.016+/-0.016 χ^2/NDF:41.8/25

All: 0.008+/-0.012 χ^2/NDF: 56.8/49

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: 61.166+/-0.018 χ^2/NDF:1217577.6/7

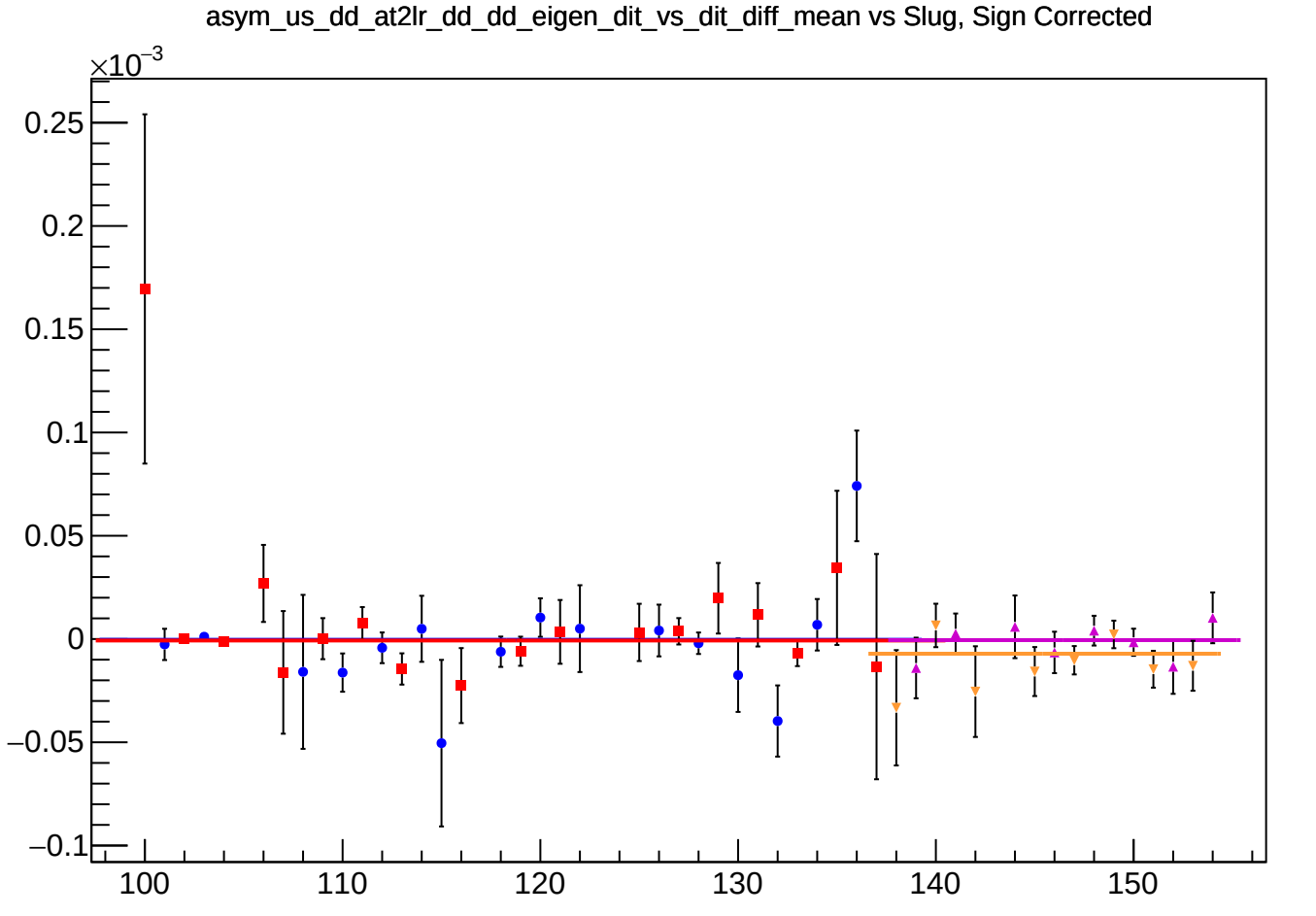
Left: 57.367+/-0.012 χ^2/NDF: 2868058.3/15

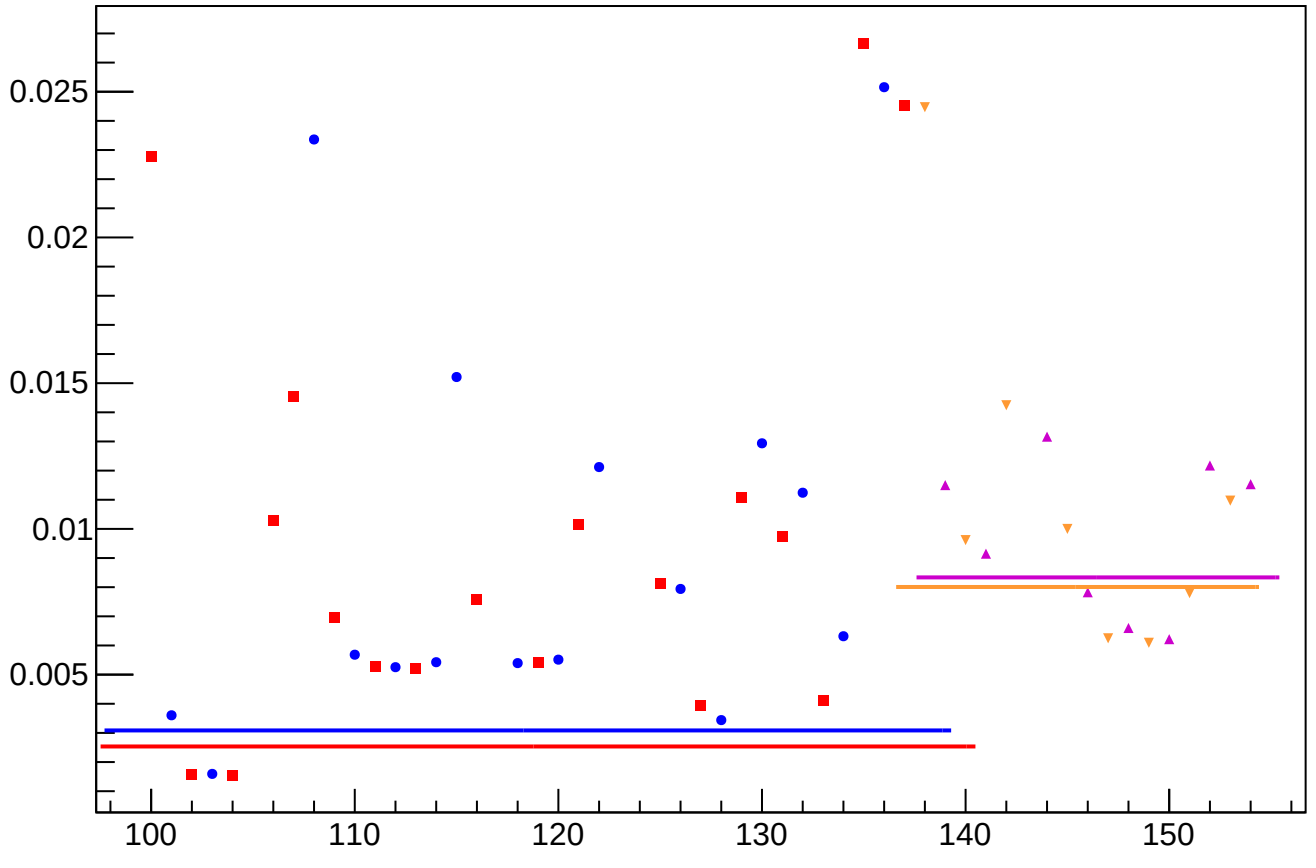
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 57.234+/-0.012 χ^2/NDF:3521617.5/23

Out: 51.431+/-0.012 χ^2/NDF:4616434.2/25

All: 54.223+/-0.008 χ^2/NDF: 8258533.8/49


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:3.6/7
Left: -0.000+/-0.000 χ²/NDF: 12.4/15
Right: -0.000+/-0.000 χ²/NDF: 40.0/33
In: -0.000+/-0.000 χ²/NDF:25.8/23
Out: -0.000+/-0.000 χ²/NDF:27.7/25
All: -0.000+/-0.000 χ²/NDF: 53.8/49



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:944212.7/7

Left: 0.008+/-0.000 χ^2/NDF: 2330160.3/15

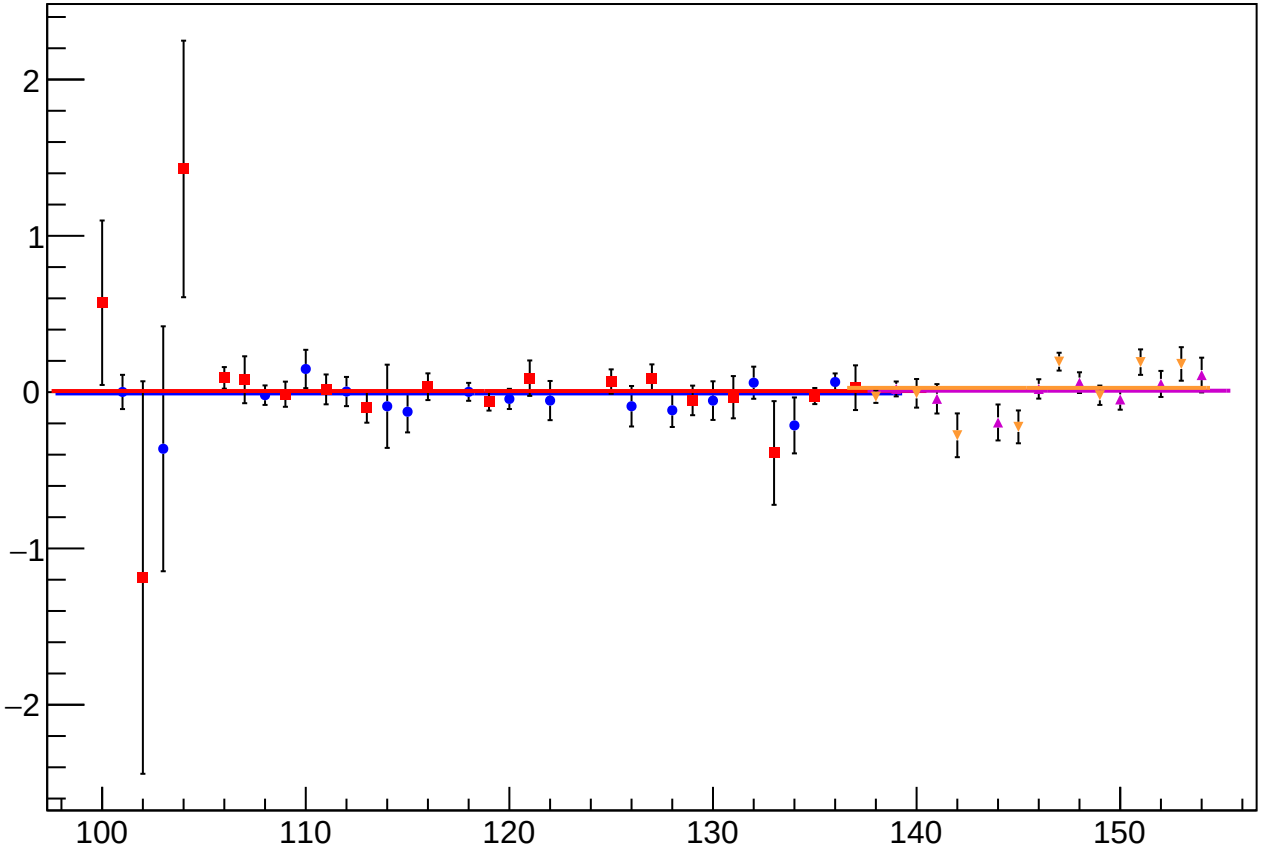
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:10526095.9/23

Out: 0.003+/-0.000 χ^2/NDF:11979352.0/25

All: 0.004+/-0.000 χ^2/NDF: 22918694.5/49

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: 0.009+/-0.025 χ^2/NDF:5.9/7

Left: 0.018+/-0.017 χ^2/NDF: 34.0/15

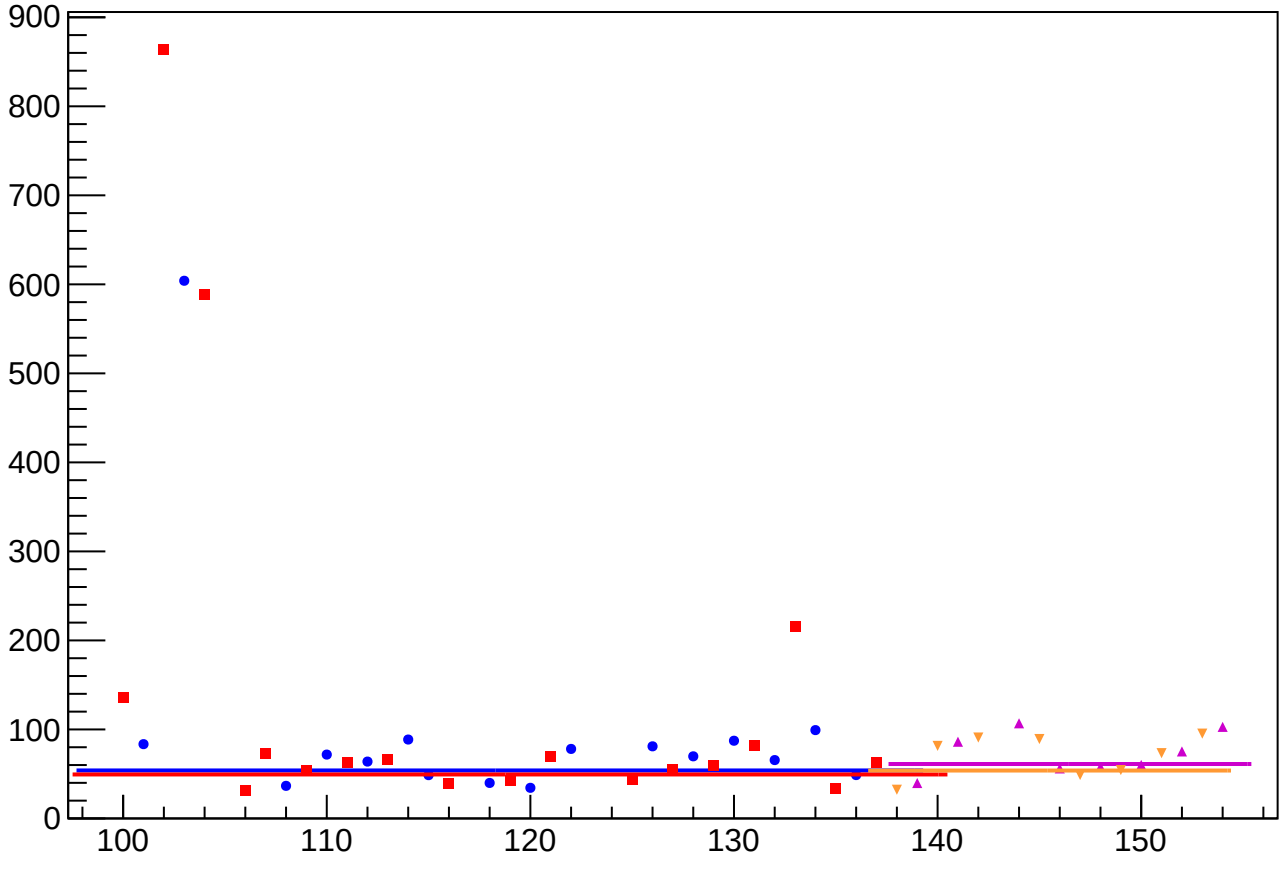
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.000+/-0.017 χ^2/NDF:14.5/23

Out: 0.016+/-0.016 χ^2/NDF:41.8/25

All: 0.008+/-0.012 χ^2/NDF: 56.8/49

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: 61.165+/-0.018 χ^2/NDF:1217701.1/7

Left: 57.369+/-0.012 χ^2/NDF: 2867433.1/15

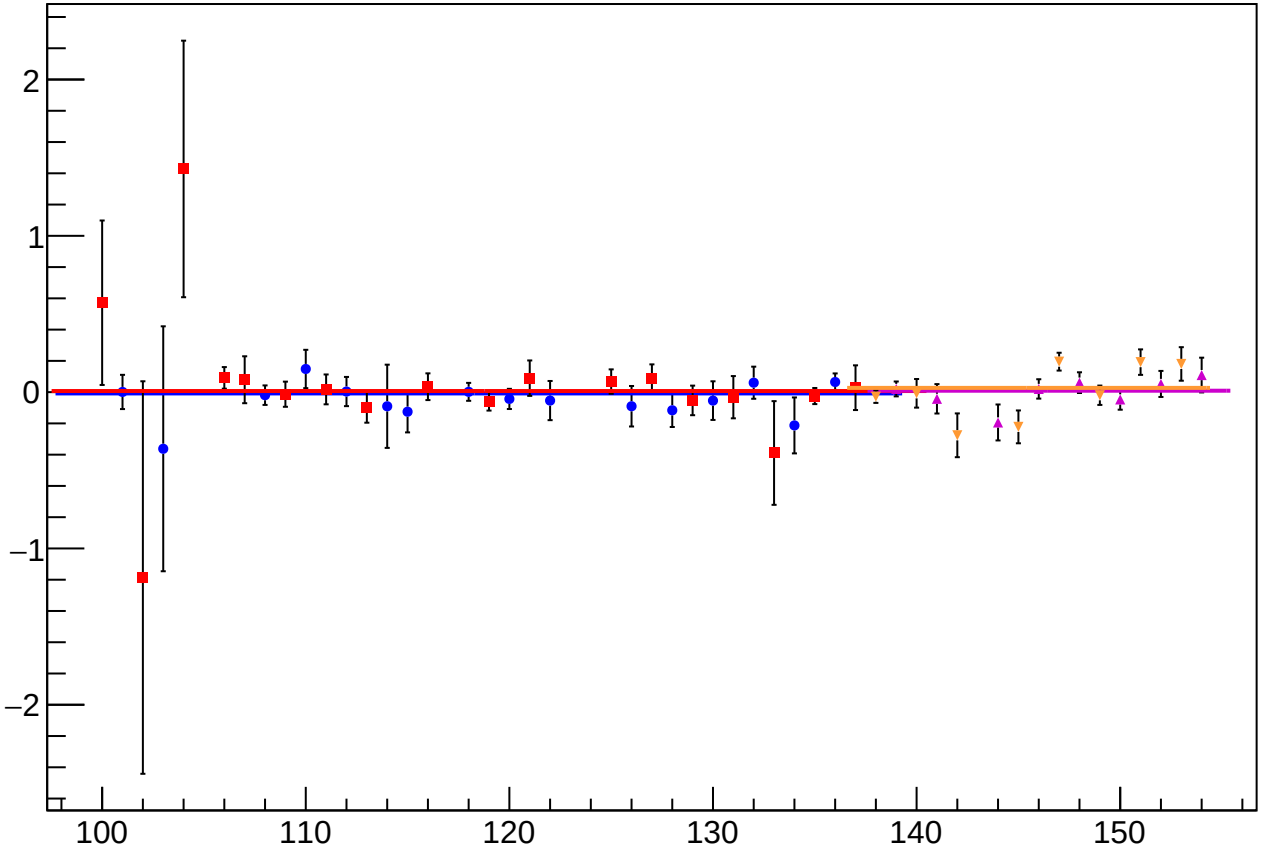
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 57.235+/-0.012 χ^2/NDF:3521237.6/23

Out: 51.434+/-0.012 χ^2/NDF:4615559.9/25

All: 54.225+/-0.008 χ^2/NDF: 8257218.5/49

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: 0.009+/-0.025 χ^2/NDF:5.9/7

Left: 0.018+/-0.017 χ^2/NDF: 34.0/15

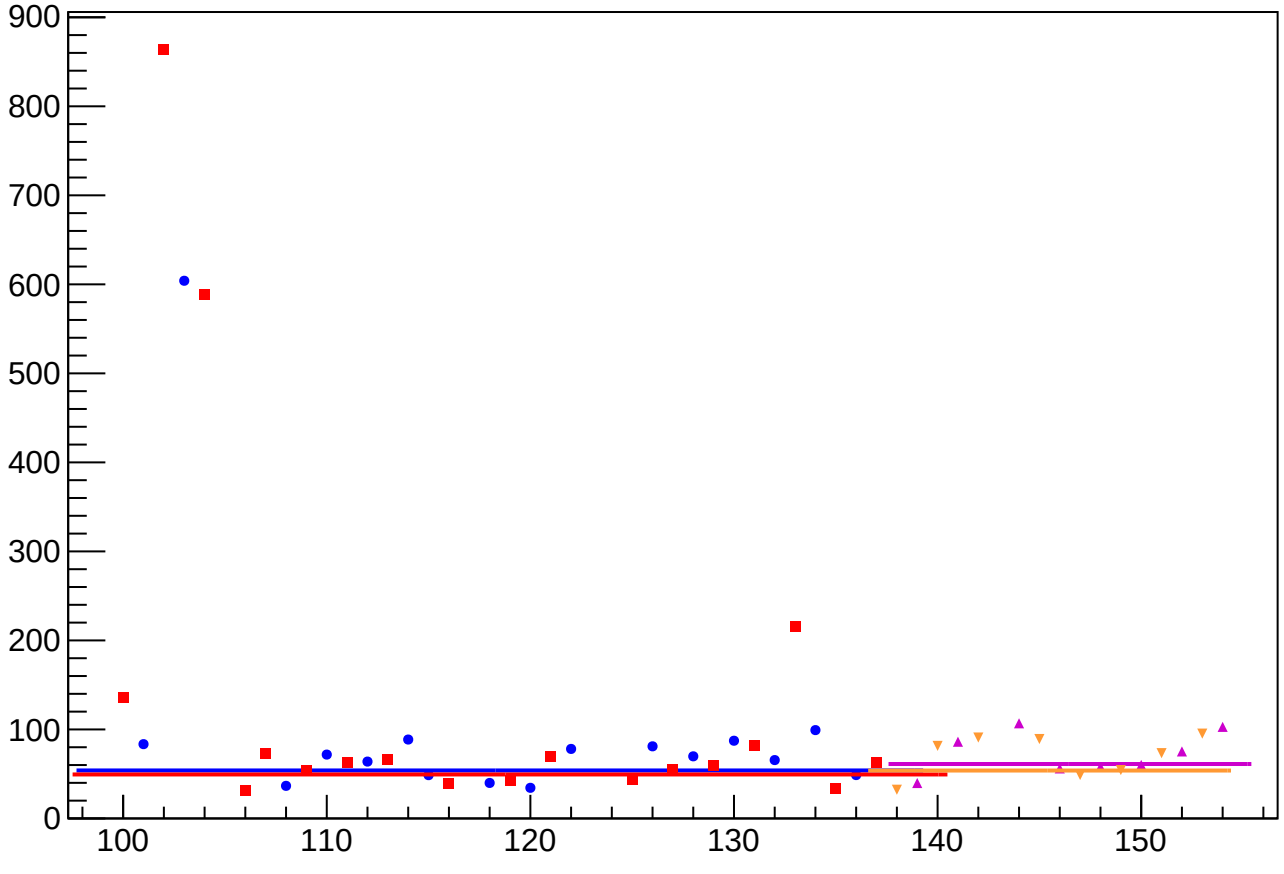
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.000+/-0.017 χ^2/NDF:14.5/23

Out: 0.016+/-0.016 χ^2/NDF:41.8/25

All: 0.008+/-0.012 χ^2/NDF: 56.8/49

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: 61.165+/-0.018 χ^2/NDF:1217701.1/7

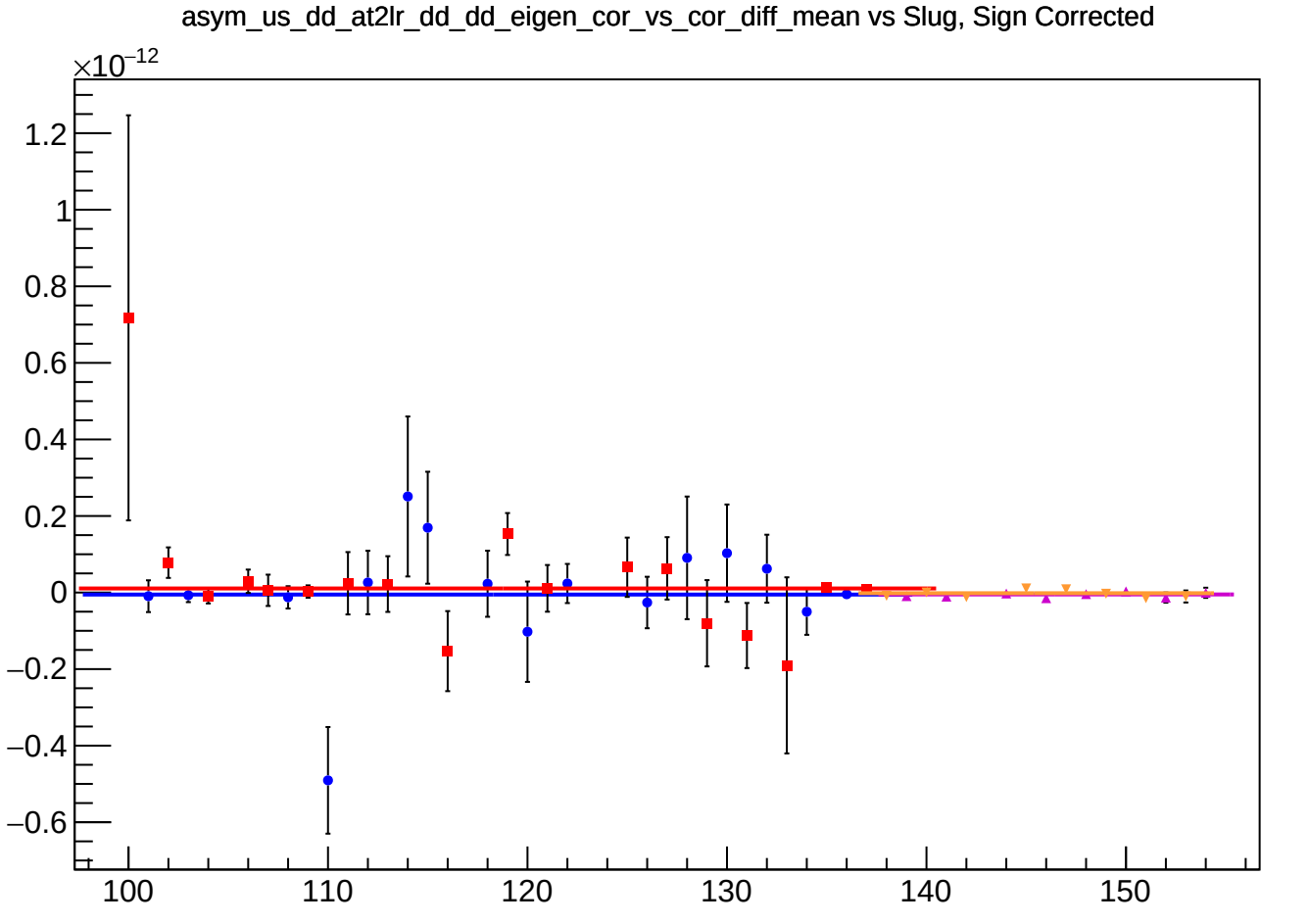
Left: 57.369+/-0.012 χ^2/NDF: 2867433.1/15

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 57.235+/-0.012 χ^2/NDF:3521237.6/23

Out: 51.434+/-0.012 χ^2/NDF:4615559.9/25

All: 54.225+/-0.008 χ^2/NDF: 8257218.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:4.3/7

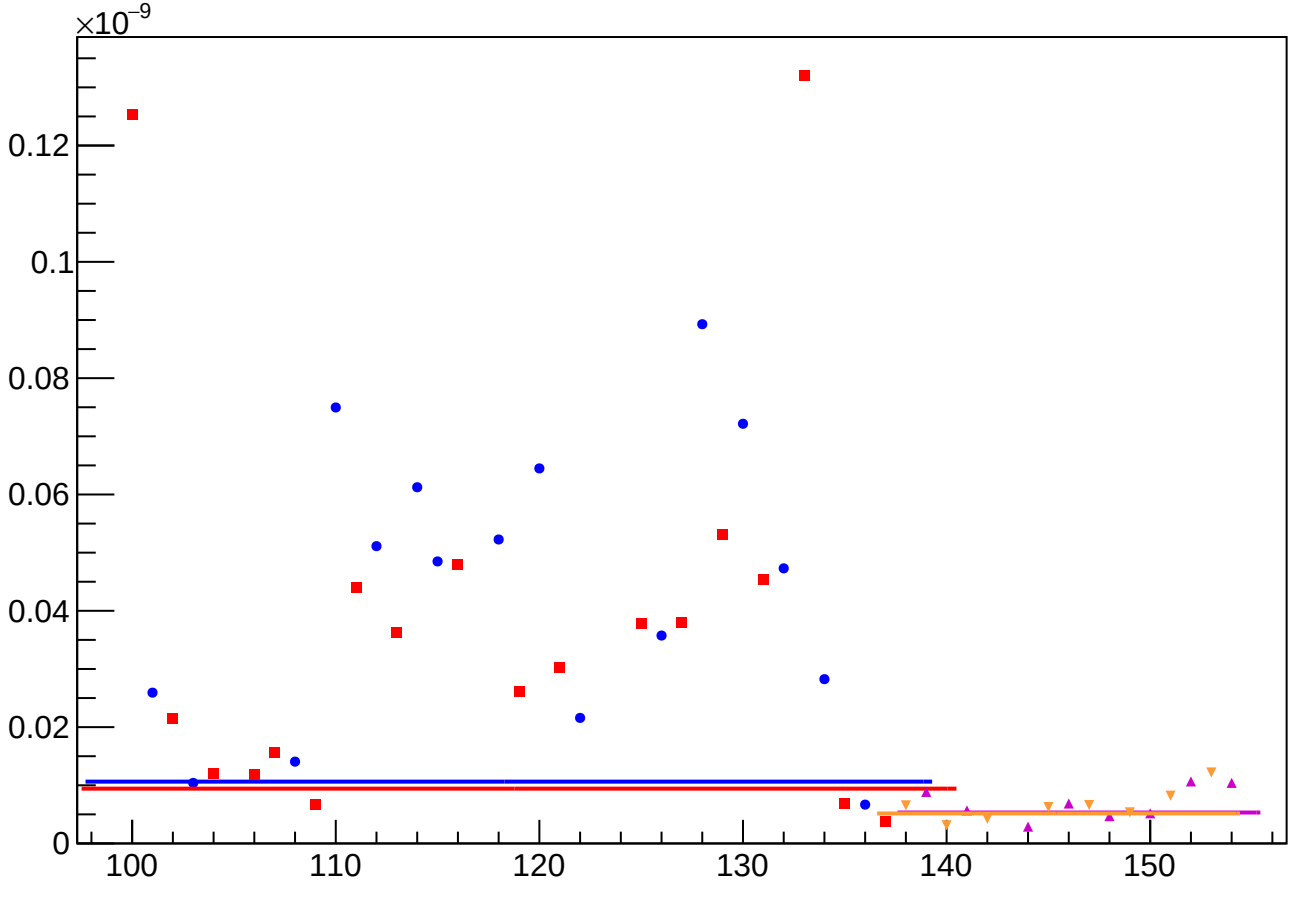
Left: -0.000+/-0.000 χ^2/NDF: 12.7/15

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:22.9/23

Out: 0.000+/-0.000 χ^2/NDF:31.0/25

All: -0.000+/-0.000 χ^2/NDF: 55.9/49



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:1396022.5/7

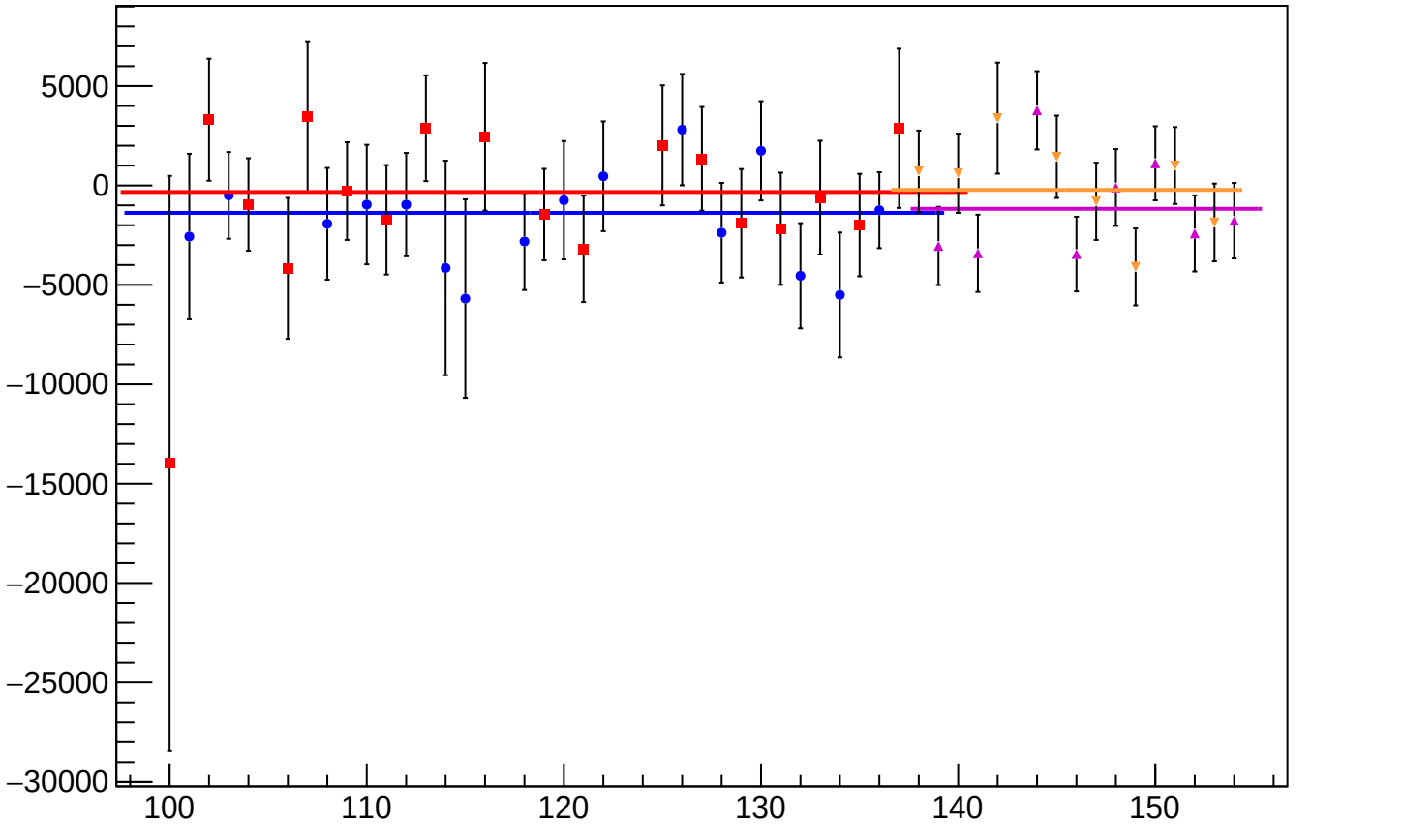
Left: 0.000+/-0.000 χ^2/NDF: 2514057.2/15

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:6994622.8/23

Out: 0.000+/-0.000 χ^2/NDF:5883470.2/25

All: 0.000+/-0.000 χ^2/NDF: 12886858.9/49



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: -1173.534+/-678.535 χ^2/NDF:12.4/7

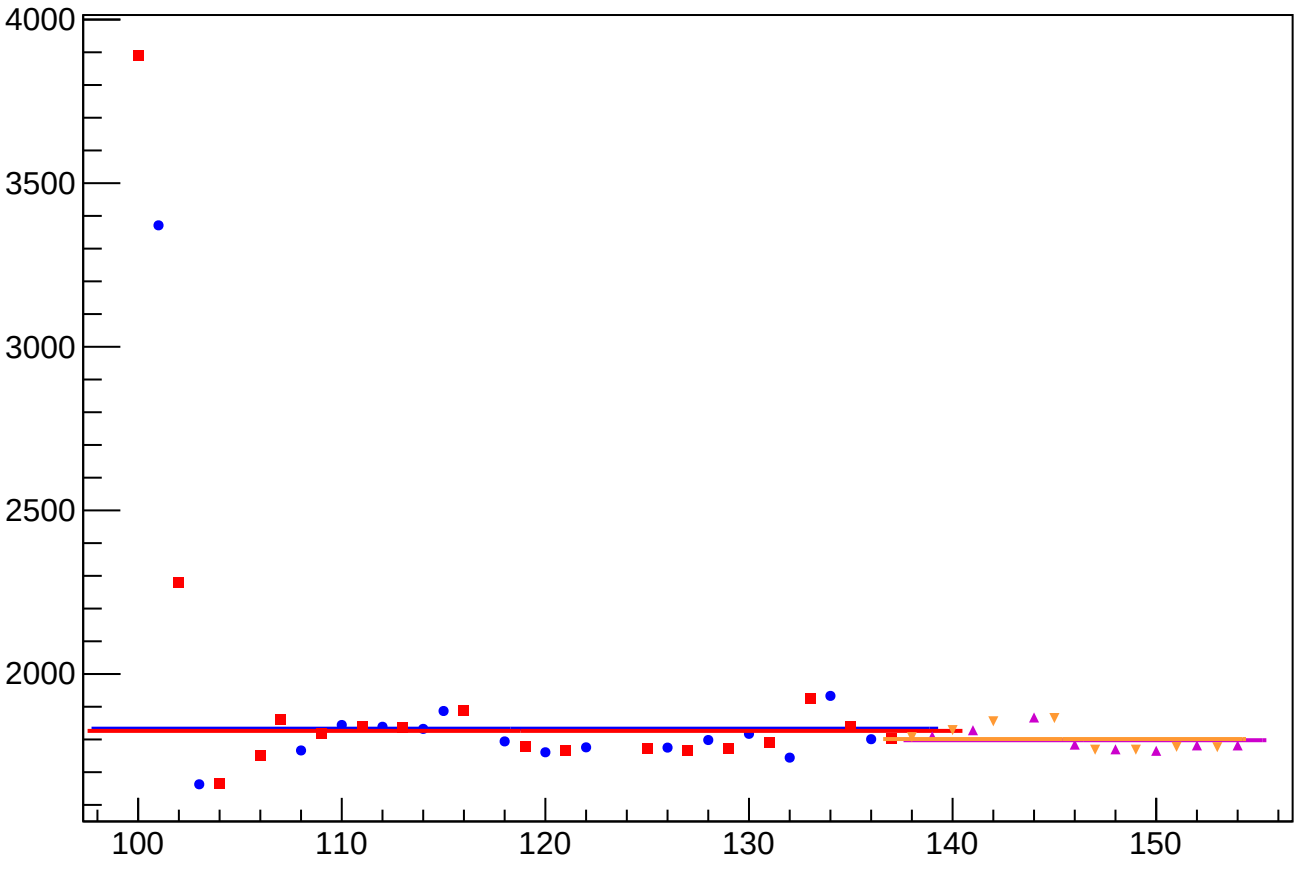
Left: -728.491+/-494.728 χ^2/NDF: 21.2/15

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1274.572+/-483.464 χ^2/NDF:21.7/23

Out: -278.999+/-496.791 χ^2/NDF:19.0/25

All: -790.318+/-346.477 χ^2/NDF: 42.7/49



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: 1797.675+/-0.480 χ^2/NDF:4458.6/7

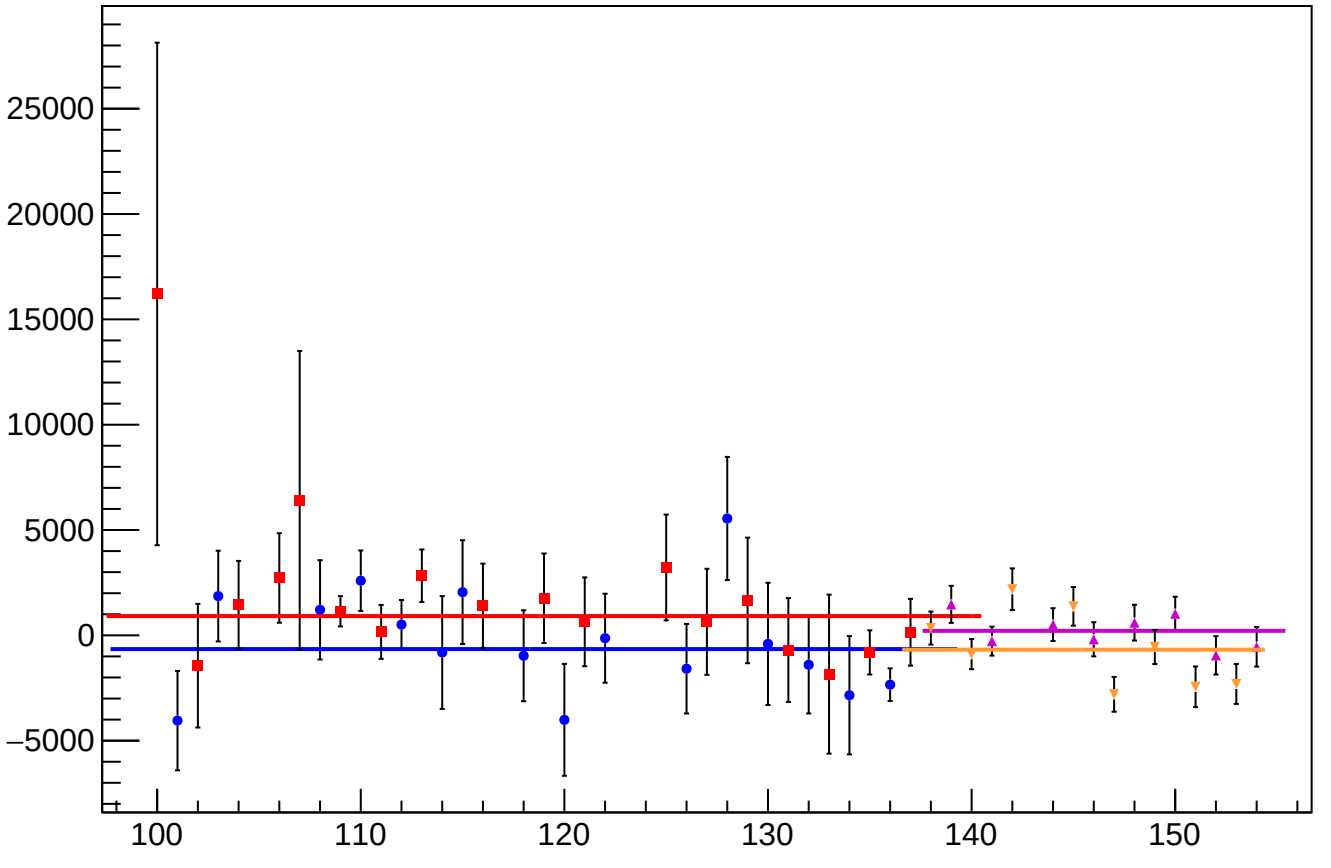
Left: 1799.355+/-0.350 χ^2/NDF: 9308.6/15

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1815.040+/-0.342 χ^2/NDF:302558.7/23

Out: 1814.426+/-0.351 χ^2/NDF:109087.2/25

All: 1814.741+/-0.245 χ^2/NDF: 411647.4/49



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: 213.736+/-290.540 χ^2/NDF:6.4/7

Left: -215.703+/-209.397 χ^2/NDF: 39.1/15

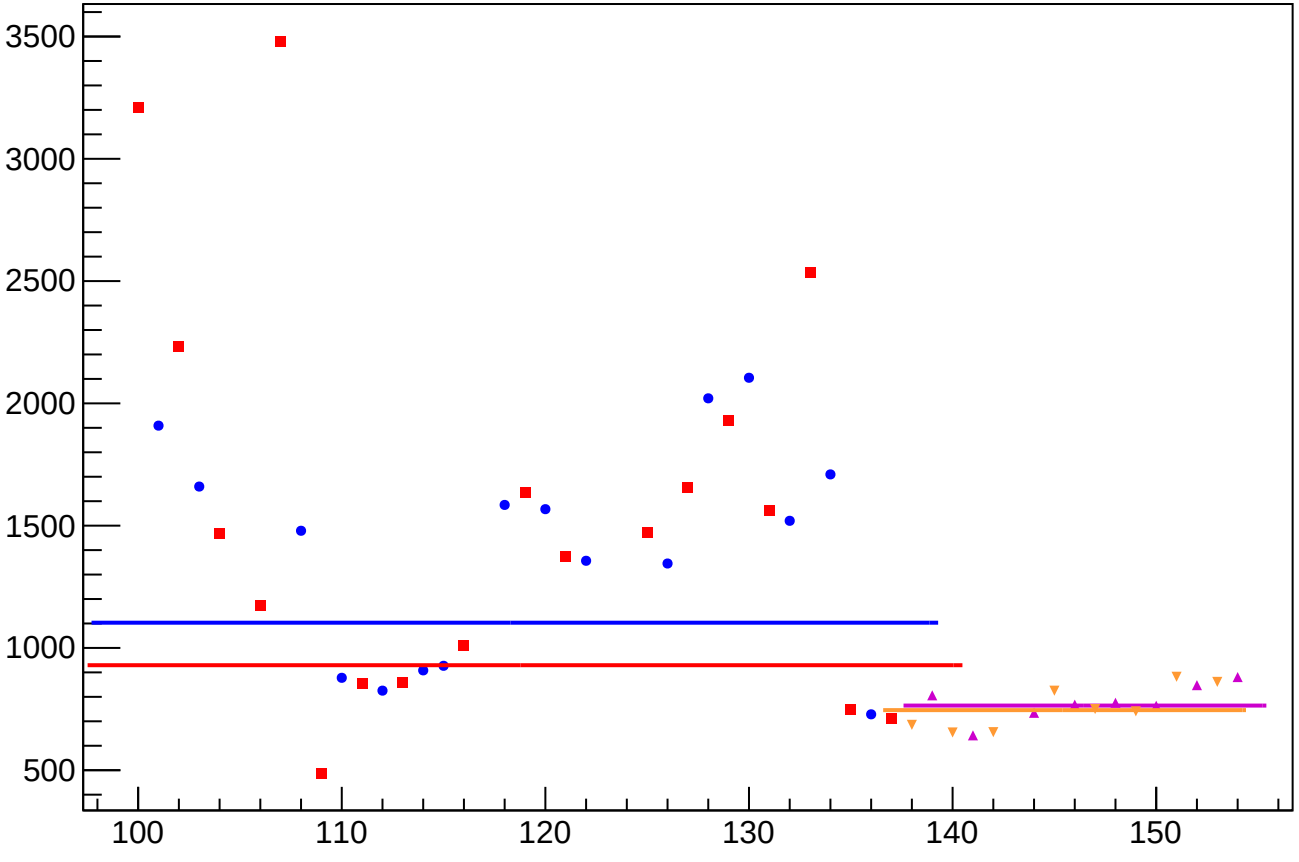
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -47.343+/-242.807 χ^2/NDF:32.3/23

Out: -88.496+/-239.588 χ^2/NDF:50.0/25

All: -68.194+/-170.541 χ^2/NDF: 82.3/49

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: 764.308+/-0.205 χ^2/NDF:118262.2/7

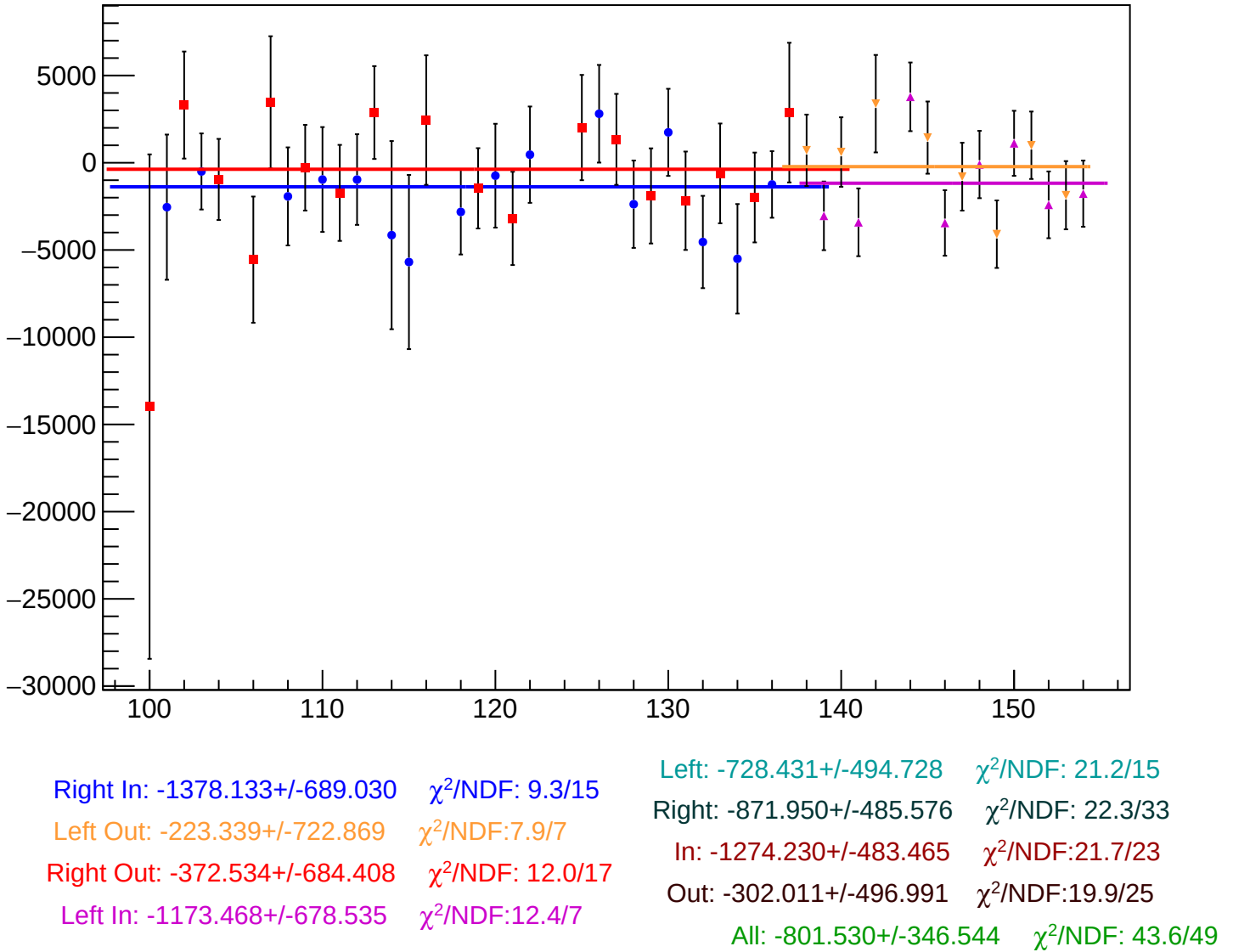
Left: 755.355+/-0.148 χ^2/NDF: 267904.4/15

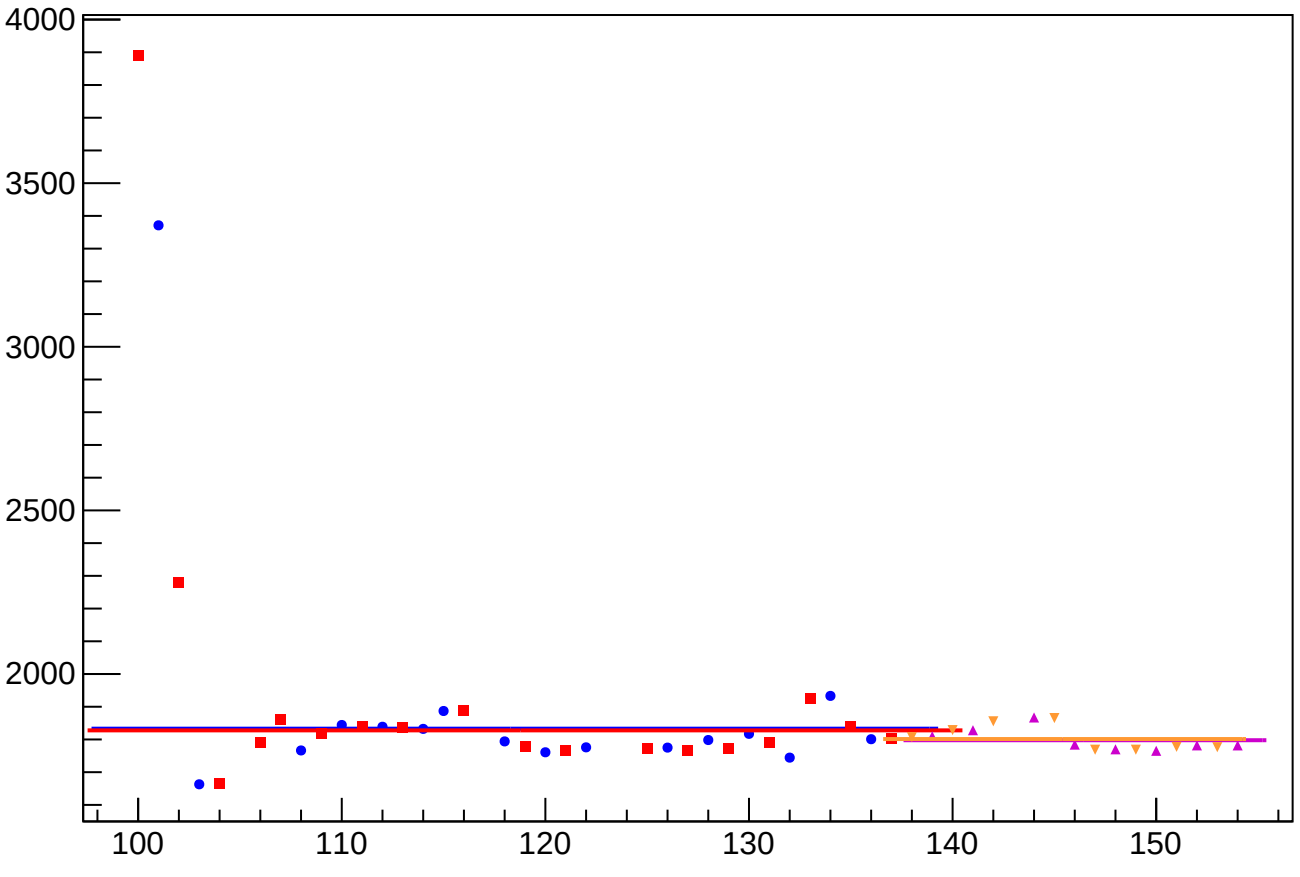
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 866.509+/-0.172 χ^2/NDF:2817002.9/23

Out: 813.797+/-0.169 χ^2/NDF:3474052.2/25

All: 839.801+/-0.121 χ^2/NDF: 6338812.3/49


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -223.339+/-722.869 χ²/NDF:7.9/7
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -1173.468+/-678.535 χ²/NDF:12.4/7
Left: -728.431+/-494.728 χ²/NDF: 21.2/15
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1274.230+/-483.465 χ²/NDF:21.7/23
Out: -302.011+/-496.991 χ²/NDF:19.9/25
All: -801.530+/-346.544 χ²/NDF: 43.6/49



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: 1797.675+/-0.480 χ^2/NDF:4458.6/7

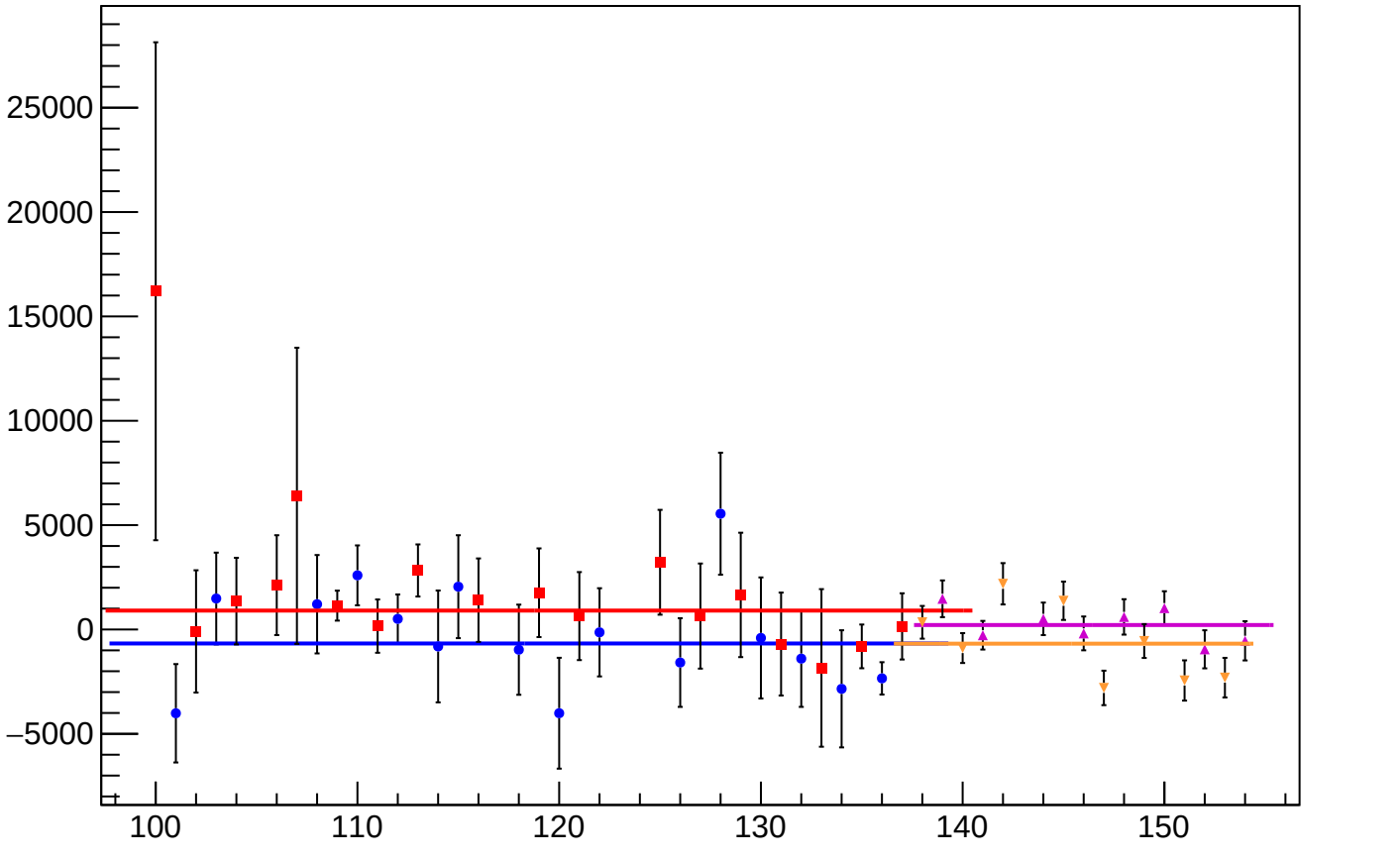
Left: 1799.355+/-0.350 χ^2/NDF: 9308.6/15

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1815.040+/-0.342 χ^2/NDF:302560.5/23

Out: 1815.248+/-0.351 χ^2/NDF:108513.8/25

All: 1815.141+/-0.245 χ^2/NDF: 411074.5/49



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: 213.704+/-290.541 χ^2/NDF:6.4/7

Left: -215.737+/-209.398 χ^2/NDF: 39.1/15

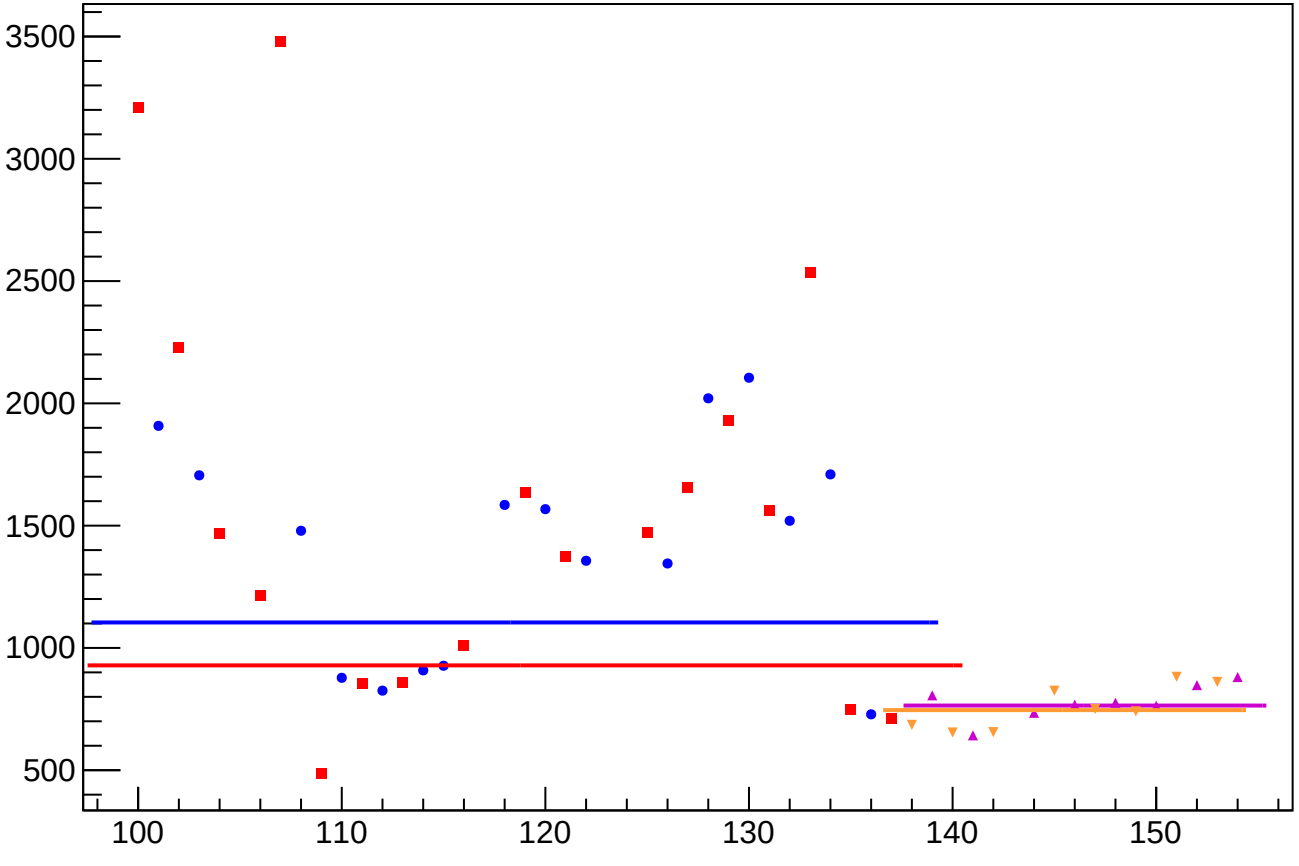
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -52.663+/-242.869 χ^2/NDF:32.0/23

Out: -94.408+/-239.903 χ^2/NDF:48.8/25

All: -73.792+/-170.676 χ^2/NDF: 80.8/49

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: 764.310+/-0.205 χ^2/NDF:118300.3/7

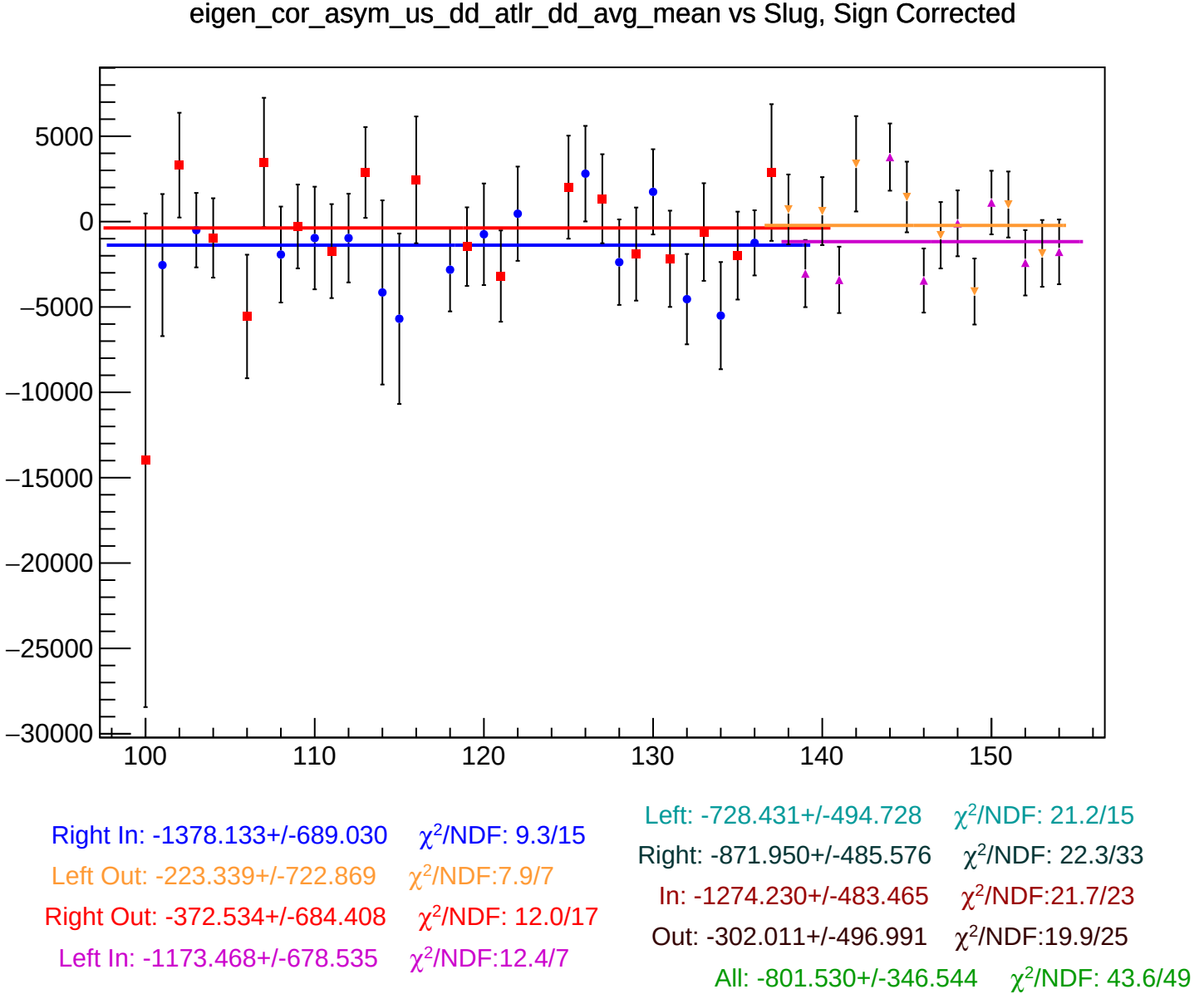
Left: 755.359+/-0.148 χ^2/NDF: 267920.2/15

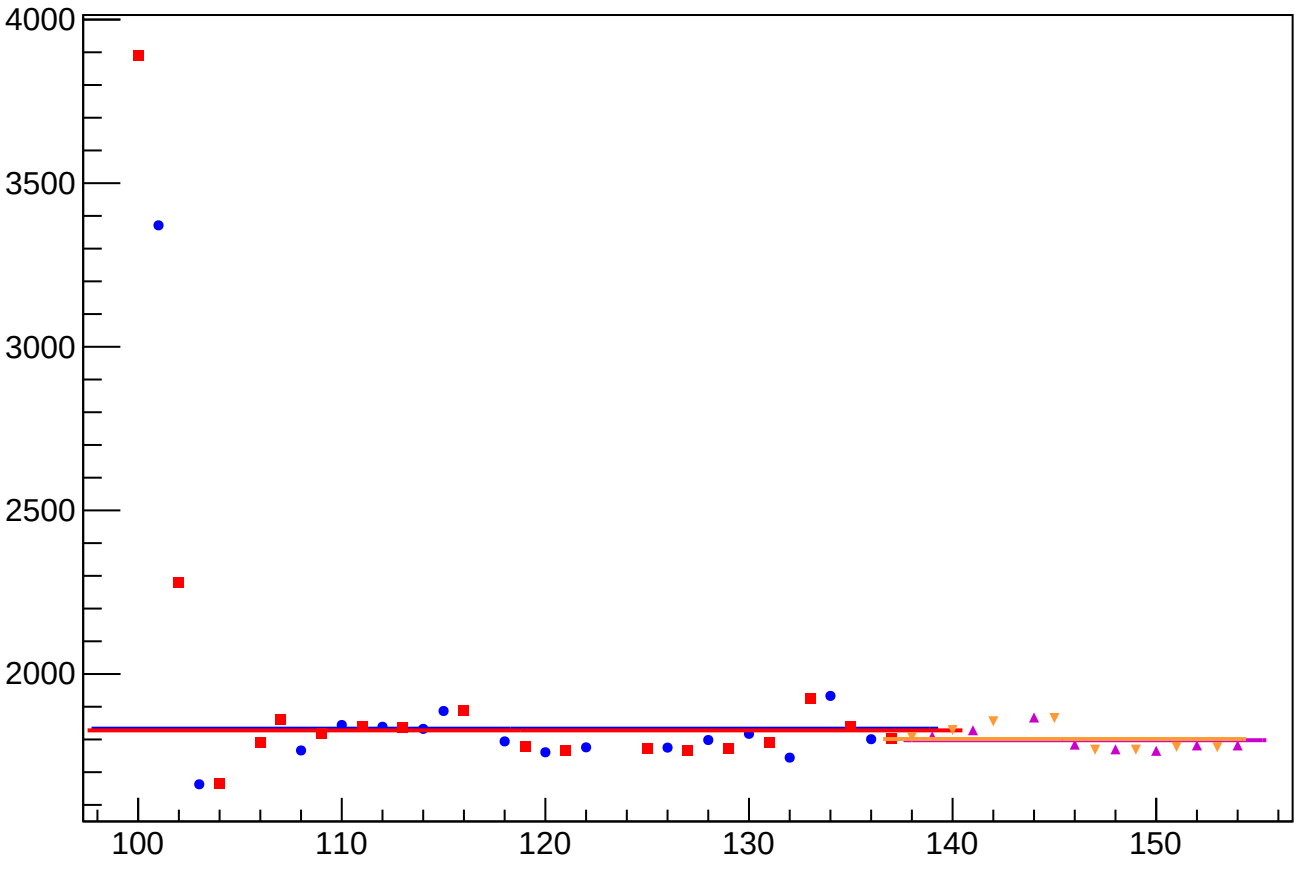
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 866.668+/-0.172 χ^2/NDF:2836827.8/23

Out: 813.231+/-0.170 χ^2/NDF:3470922.3/25

All: 839.621+/-0.121 χ^2/NDF: 6356755.9/49


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -223.339+/-722.869 χ²/NDF:7.9/7
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -1173.468+/-678.535 χ²/NDF:12.4/7
Left: -728.431+/-494.728 χ²/NDF: 21.2/15
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1274.230+/-483.465 χ²/NDF:21.7/23
Out: -302.011+/-496.991 χ²/NDF:19.9/25
All: -801.530+/-346.544 χ²/NDF: 43.6/49



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: 1797.675+/-0.480 χ^2/NDF:4458.6/7

Left: 1799.355+/-0.350 χ^2/NDF: 9308.6/15

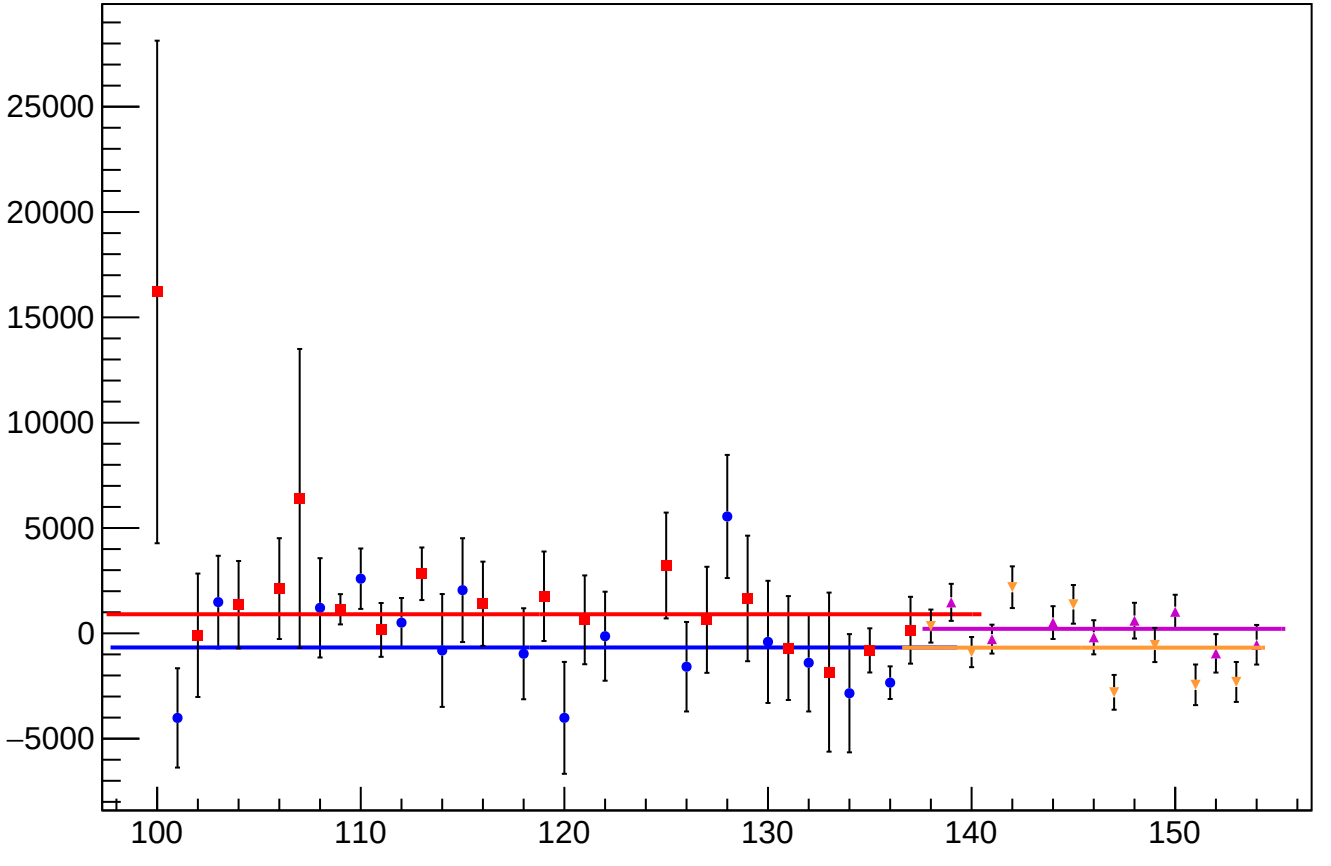
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1815.040+/-0.342 χ^2/NDF:302560.5/23

Out: 1815.248+/-0.351 χ^2/NDF:108513.8/25

All: 1815.141+/-0.245 χ^2/NDF: 411074.5/49

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: 213.704+/-290.541 χ^2/NDF:6.4/7

Left: -215.737+/-209.398 χ^2/NDF: 39.1/15

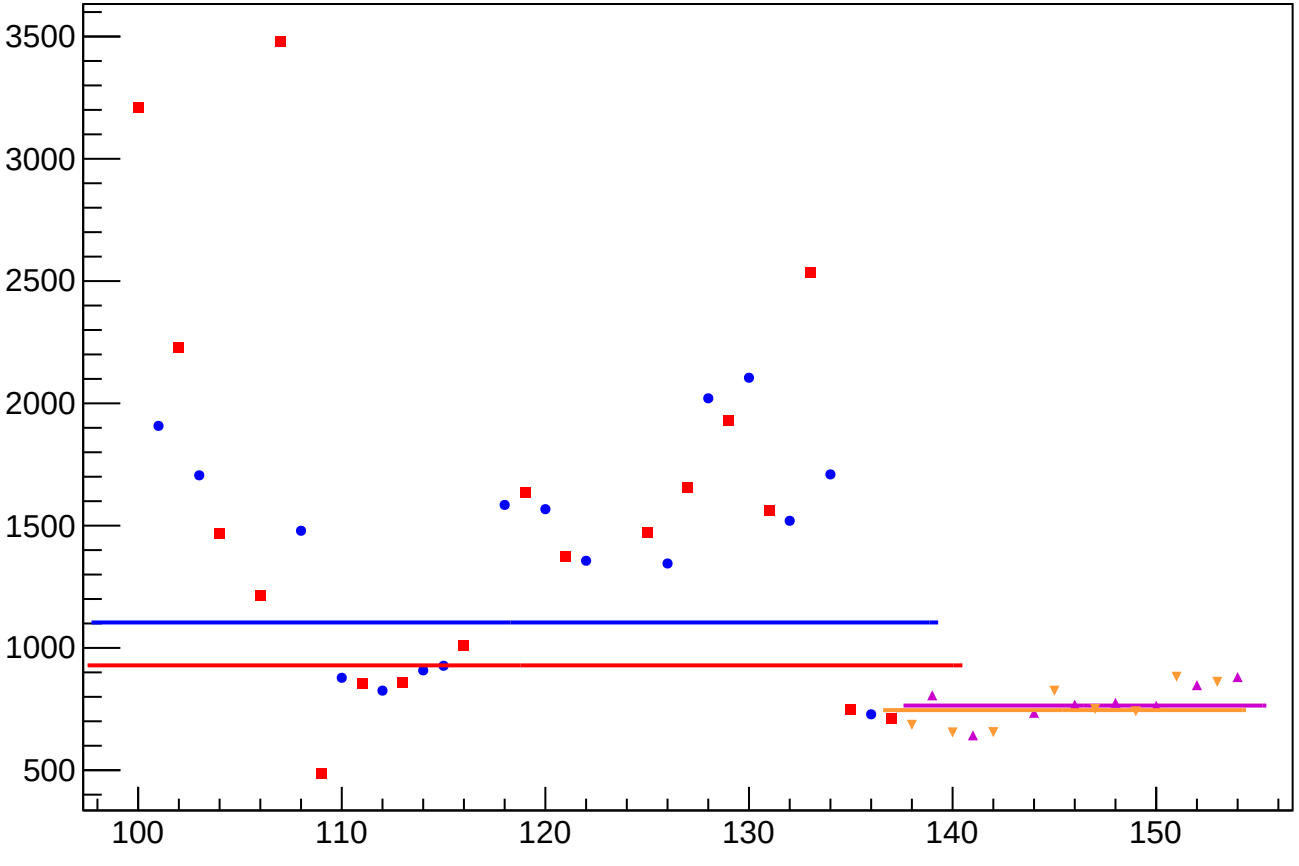
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -52.663+/-242.869 χ^2/NDF:32.0/23

Out: -94.408+/-239.903 χ^2/NDF:48.8/25

All: -73.792+/-170.676 χ^2/NDF: 80.8/49

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: 764.310+/-0.205 χ^2/NDF:118300.3/7

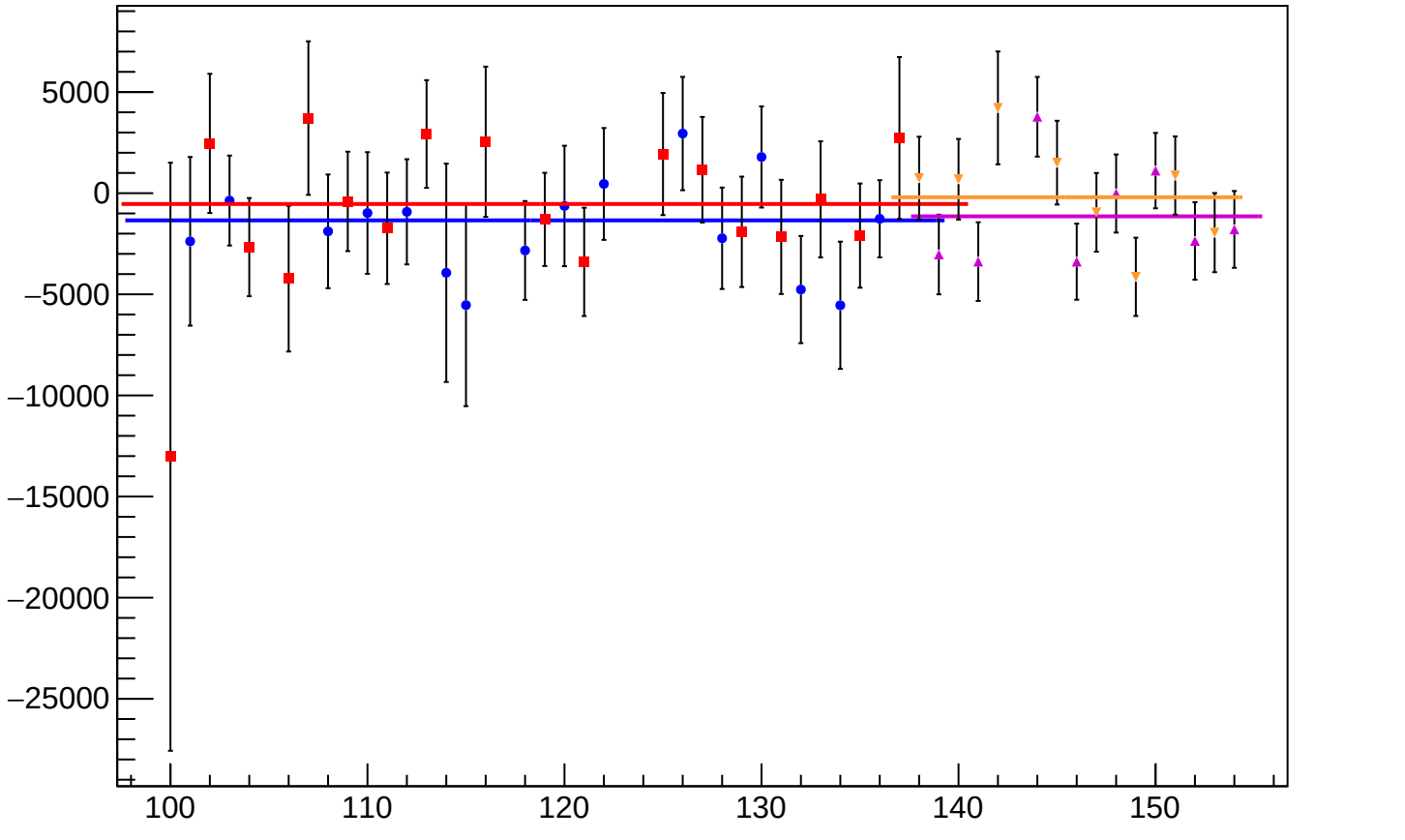
Left: 755.359+/-0.148 χ^2/NDF: 267920.2/15

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 866.668+/-0.172 χ^2/NDF:2836827.8/23

Out: 813.231+/-0.170 χ^2/NDF:3470922.3/25

All: 839.621+/-0.121 χ^2/NDF: 6356755.9/49



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: -1144.634+/-678.990 χ^2/NDF:12.2/7

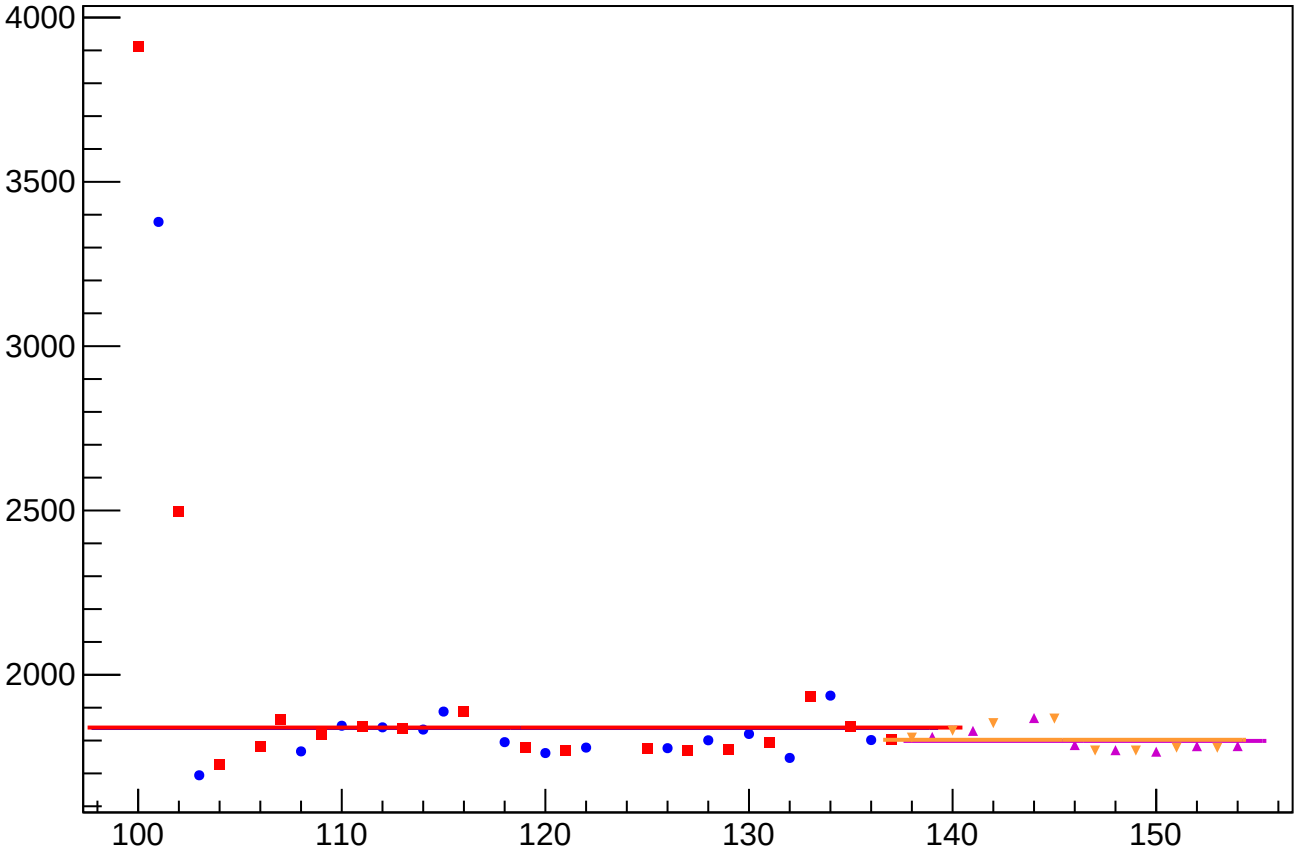
Left: -702.650+/-495.033 χ^2/NDF: 22.1/15

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1242.554+/-484.288 χ^2/NDF:21.9/23

Out: -375.269+/-499.619 χ^2/NDF:20.2/25

All: -822.422+/-347.737 χ^2/NDF: 43.7/49



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: 1798.878+/-0.480 χ^2/NDF:4479.8/7

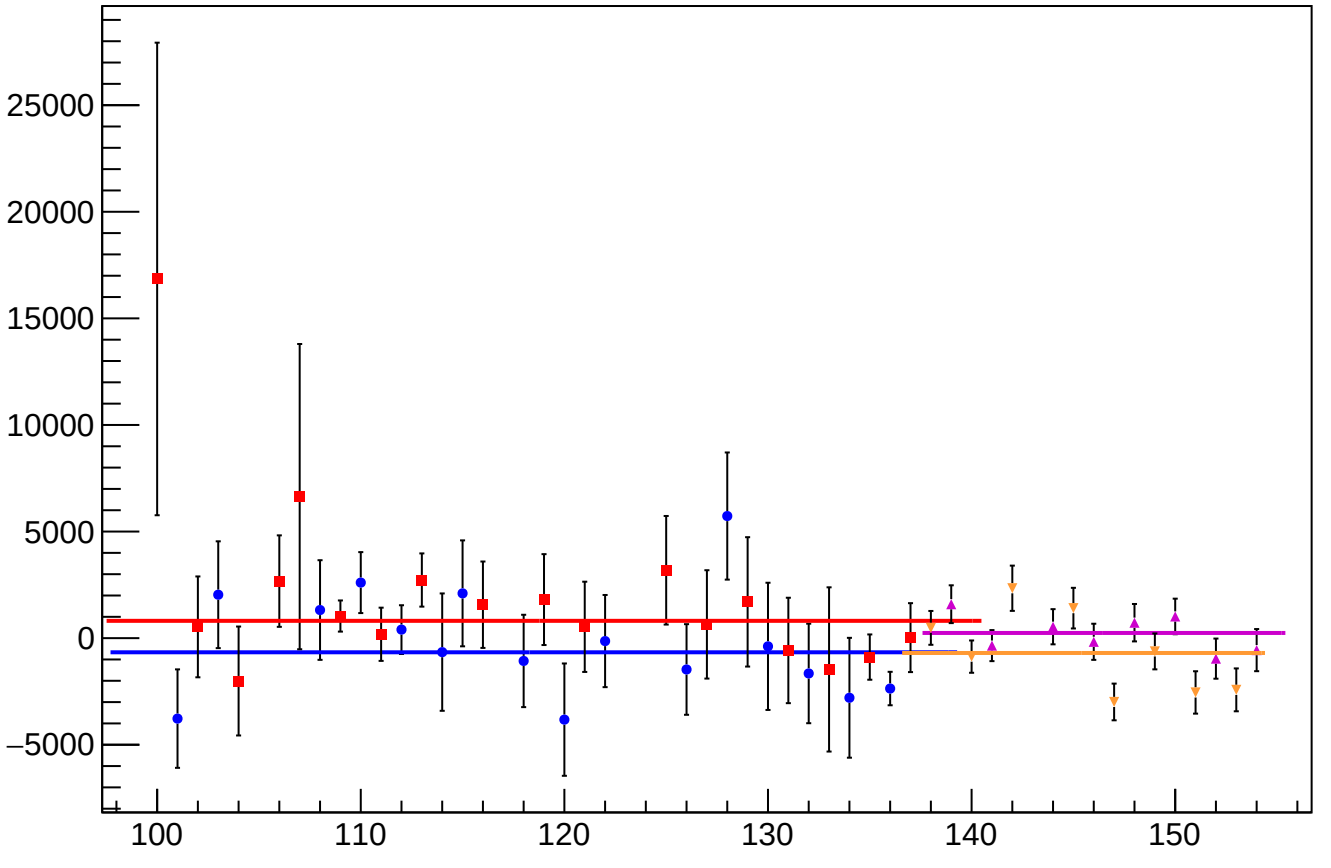
Left: 1800.456+/-0.350 χ^2/NDF: 9254.1/15

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1818.176+/-0.342 χ^2/NDF:299752.4/23

Out: 1821.733+/-0.353 χ^2/NDF:135781.4/25

All: 1819.899+/-0.246 χ^2/NDF: 435586.1/49



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: 243.469+/-302.793 χ^2/NDF:6.8/7

Left: -207.463+/-218.286 χ^2/NDF: 40.3/15

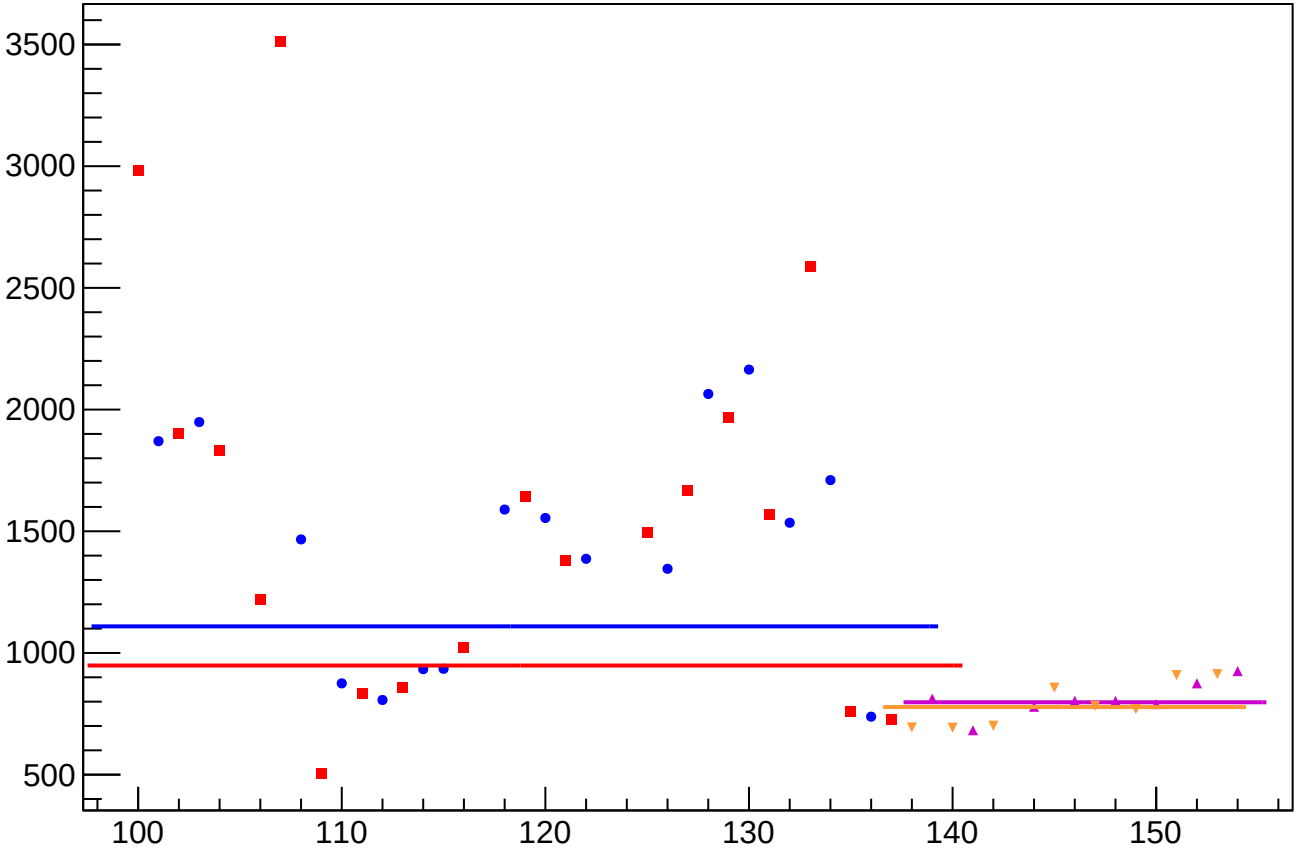
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -42.759+/-250.498 χ^2/NDF:32.4/23

Out: -113.359+/-246.792 χ^2/NDF:50.0/25

All: -78.585+/-175.804 χ^2/NDF: 82.4/49

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 777.759+/-0.223 χ^2/NDF:143167.6/7

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 797.357+/-0.214 χ^2/NDF:98952.8/7

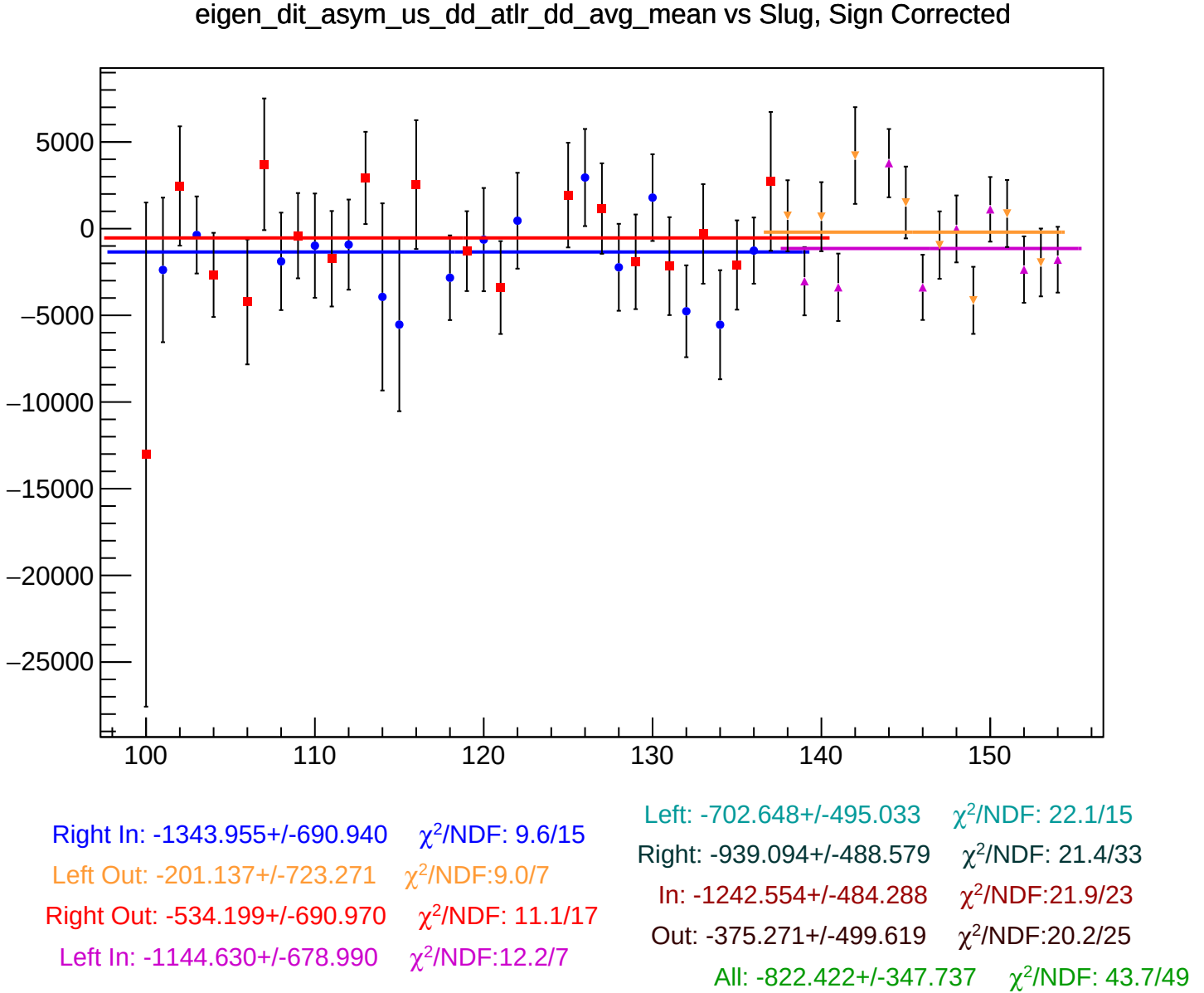
Left: 787.944+/-0.154 χ^2/NDF: 246144.7/15

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 895.823+/-0.177 χ^2/NDF:2742486.9/23

Out: 843.654+/-0.175 χ^2/NDF:3423573.2/25

All: 869.350+/-0.124 χ^2/NDF: 6210080.6/49


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
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−20000
−25000
100
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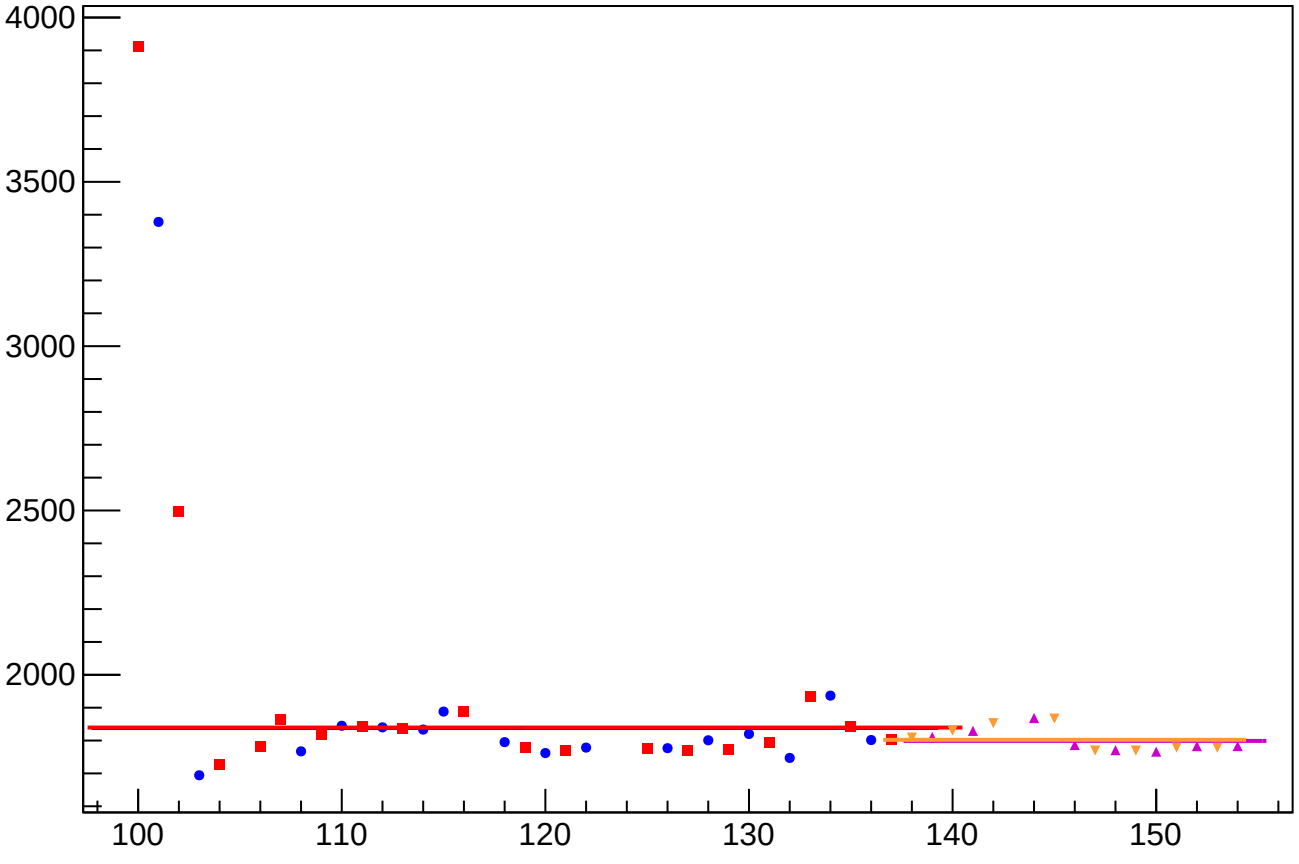
140
150
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -201.137+/-723.271 χ²/NDF:9.0/7
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -1144.630+/-678.990 χ²/NDF:12.2/7
Left: -702.648+/-495.033 χ²/NDF: 22.1/15
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1242.554+/-484.288 χ²/NDF:21.9/23
Out: -375.271+/-499.619 χ²/NDF:20.2/25
All: -822.422+/-347.737 χ²/NDF: 43.7/49



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: 1798.877+/-0.480 χ^2/NDF:4479.8/7

Left: 1800.456+/-0.350 χ^2/NDF: 9254.2/15

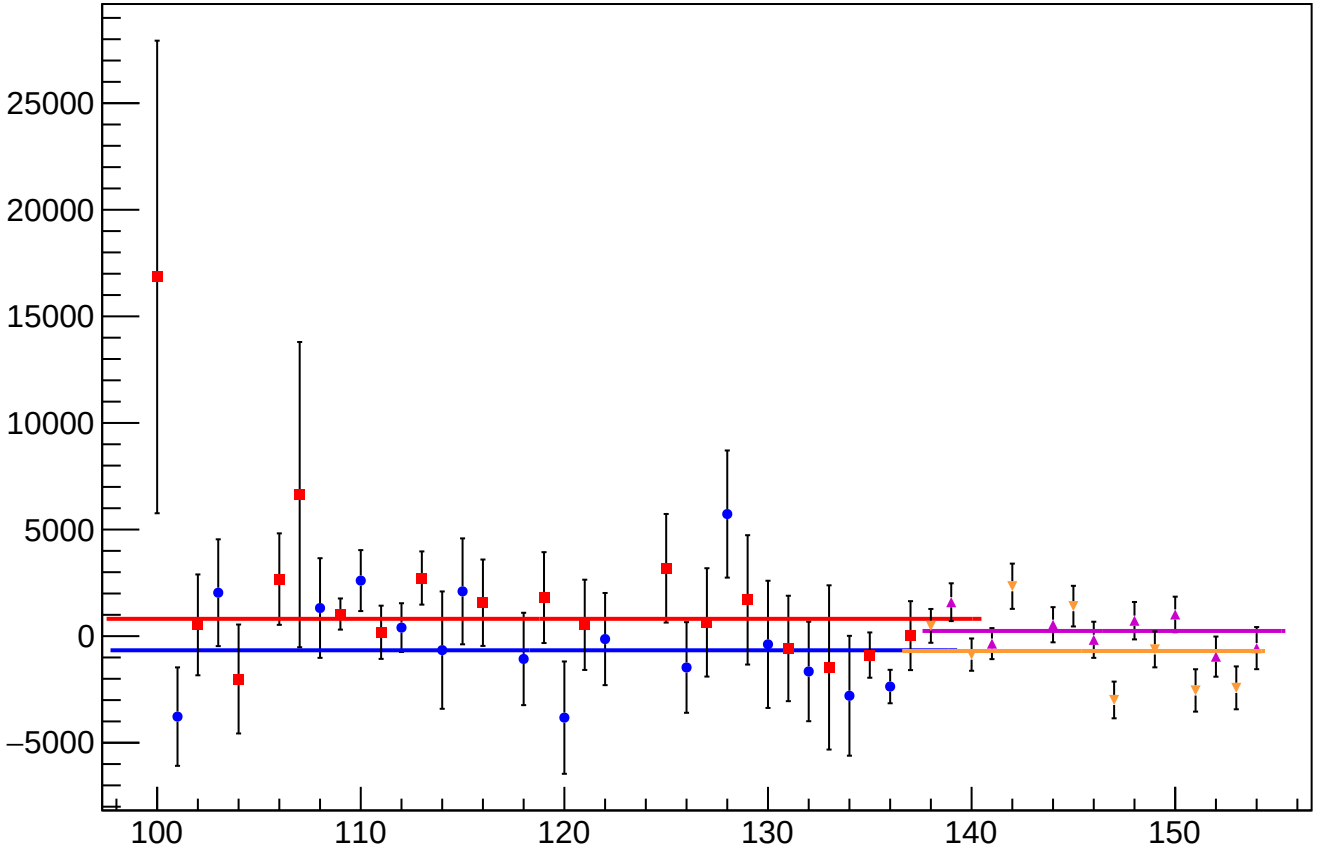
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1818.176+/-0.342 χ^2/NDF:299752.4/23

Out: 1821.733+/-0.353 χ^2/NDF:135781.5/25

All: 1819.899+/-0.246 χ^2/NDF: 435586.1/49

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -695.408+/-314.974 χ^2/NDF:28.9/7

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 243.467+/-302.794 χ^2/NDF:6.8/7

Left: -207.467+/-218.286 χ^2/NDF: 40.3/15

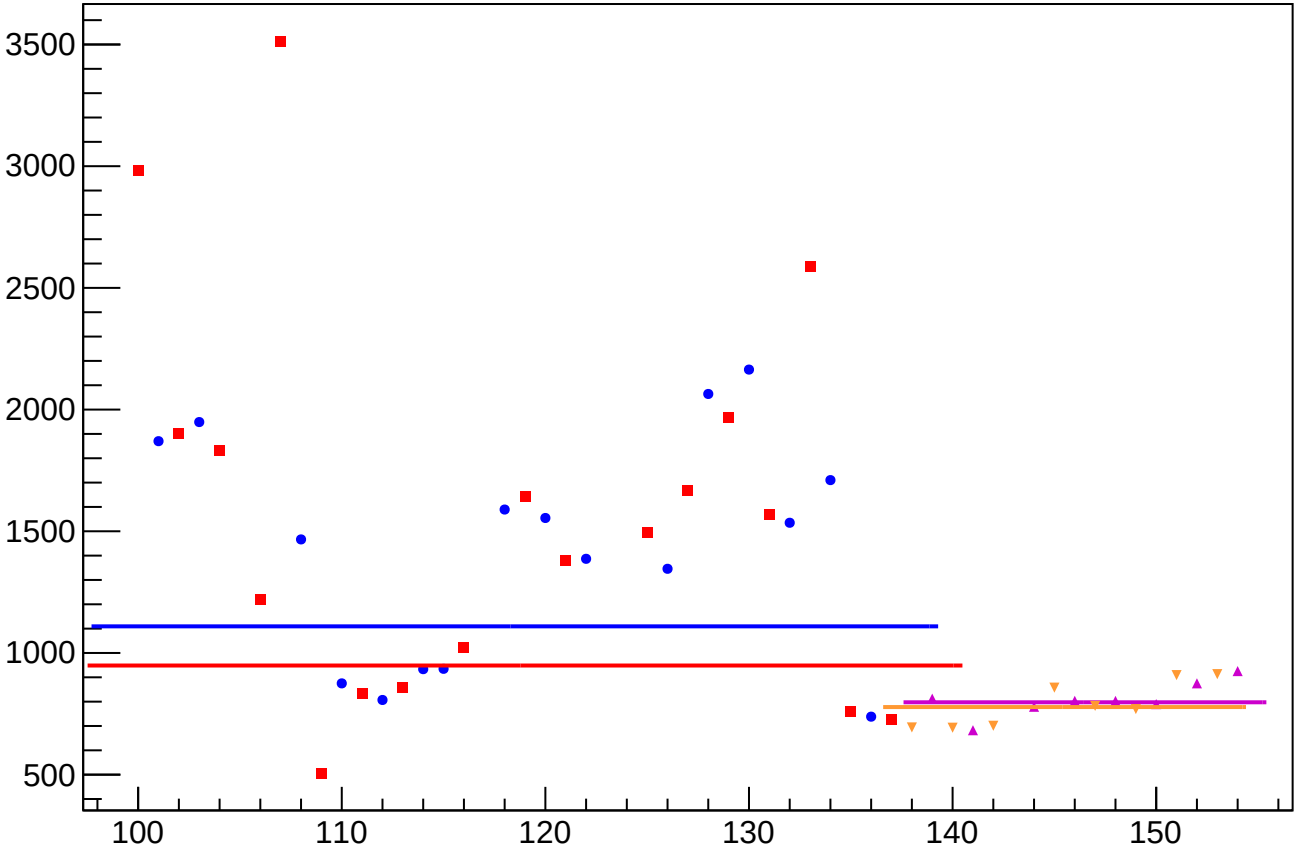
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -42.757+/-250.498 χ^2/NDF:32.4/23

Out: -113.360+/-246.792 χ^2/NDF:50.0/25

All: -78.584+/-175.804 χ^2/NDF: 82.4/49

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: 797.358+/-0.214 χ^2/NDF:98951.5/7

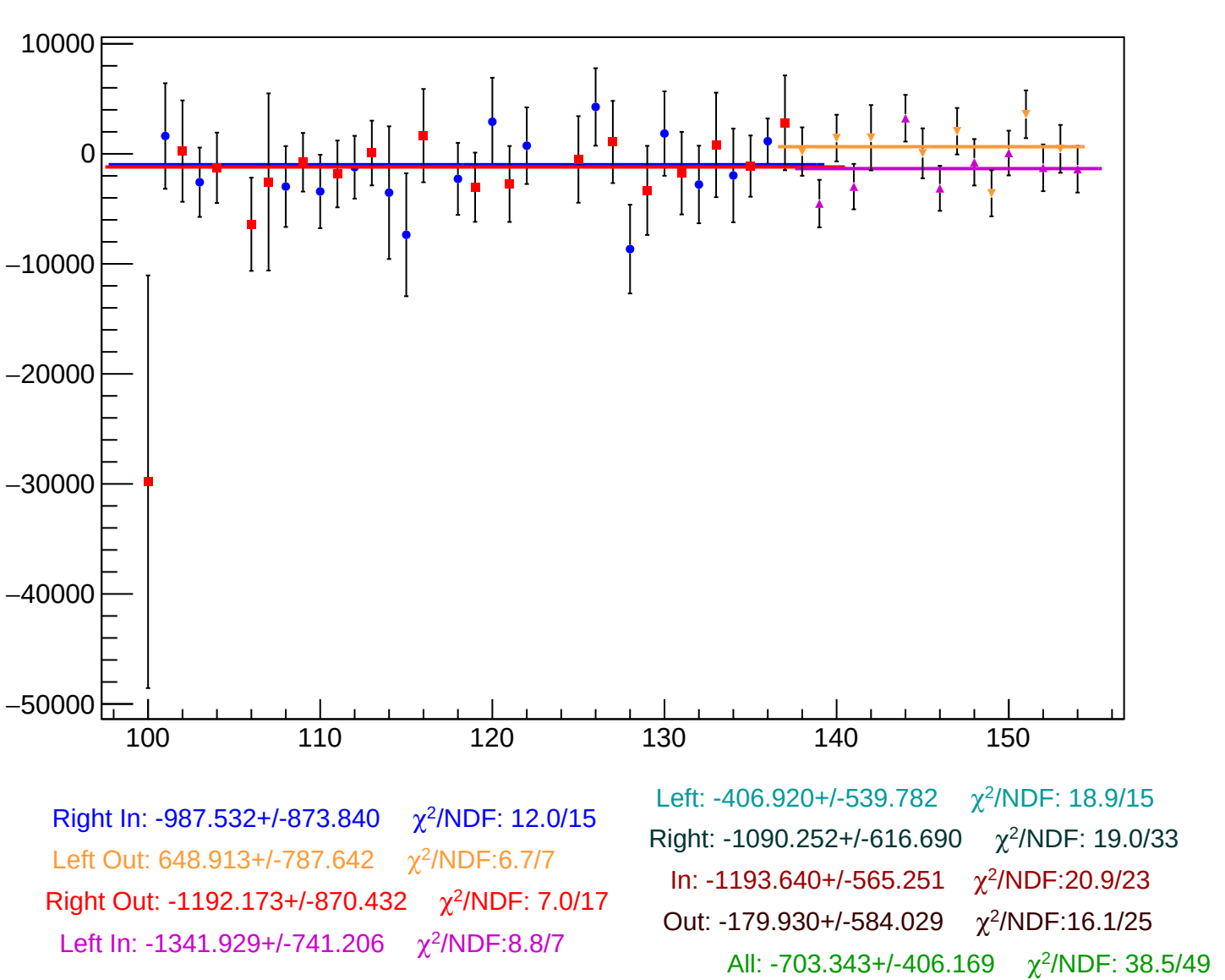
Left: 787.946+/-0.154 χ^2/NDF: 246130.4/15

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

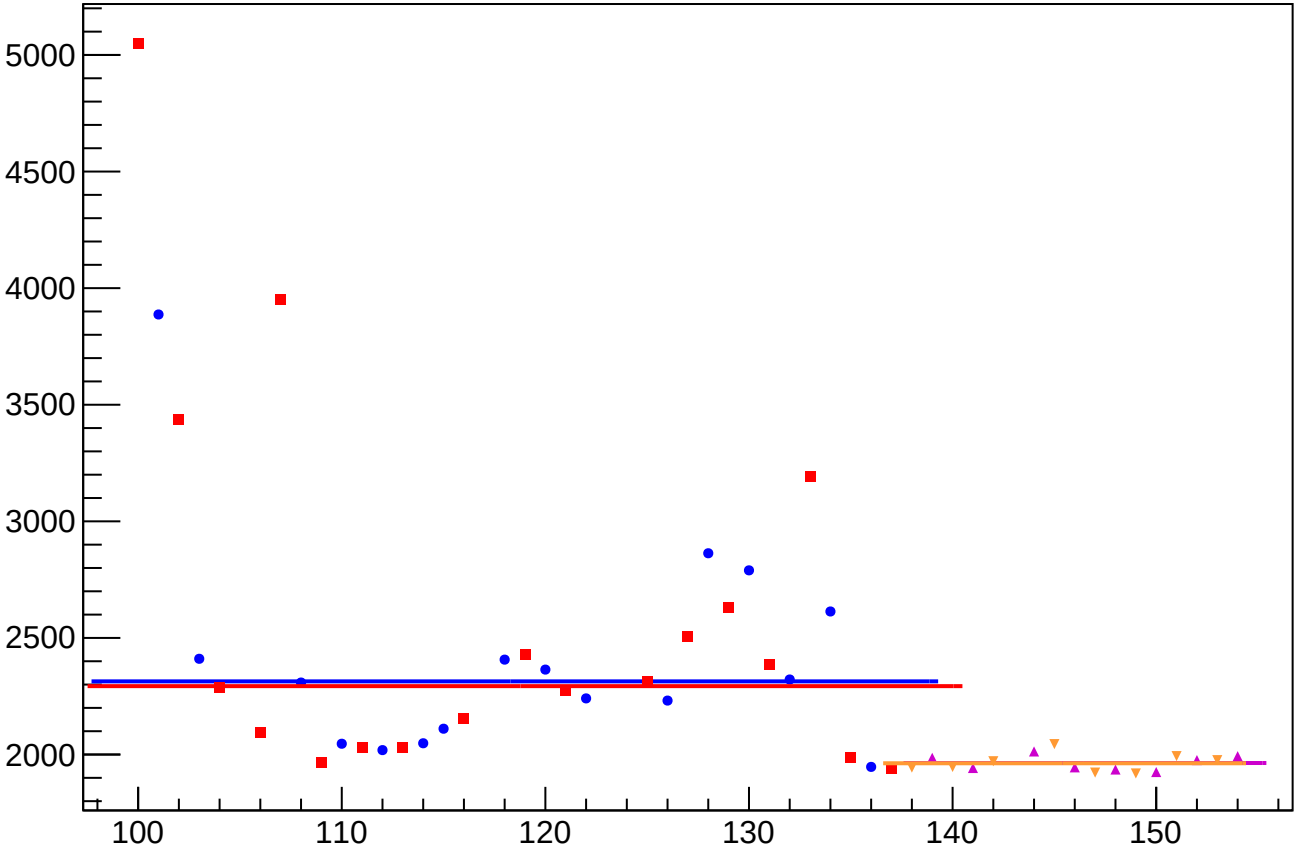
In: 895.825+/-0.177 χ^2/NDF:2742452.8/23

Out: 843.657+/-0.175 χ^2/NDF:3423530.9/25

All: 869.352+/-0.124 χ^2/NDF: 6210001.0/49


asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -987.532+/-873.840 χ²/NDF: 12.0/15
Left Out: 648.913+/-787.642 χ²/NDF:6.7/7
Right Out: -1192.173+/-870.432 χ²/NDF: 7.0/17
Left In: -1341.929+/-741.206 χ²/NDF:8.8/7
Left: -406.920+/-539.782 χ²/NDF: 18.9/15
Right: -1090.252+/-616.690 χ²/NDF: 19.0/33
In: -1193.640+/-565.251 χ²/NDF:20.9/23
Out: -179.930+/-584.029 χ²/NDF:16.1/25
All: -703.343+/-406.169 χ²/NDF: 38.5/49

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: 1963.638+/-0.524 χ^2/NDF:3212.2/7

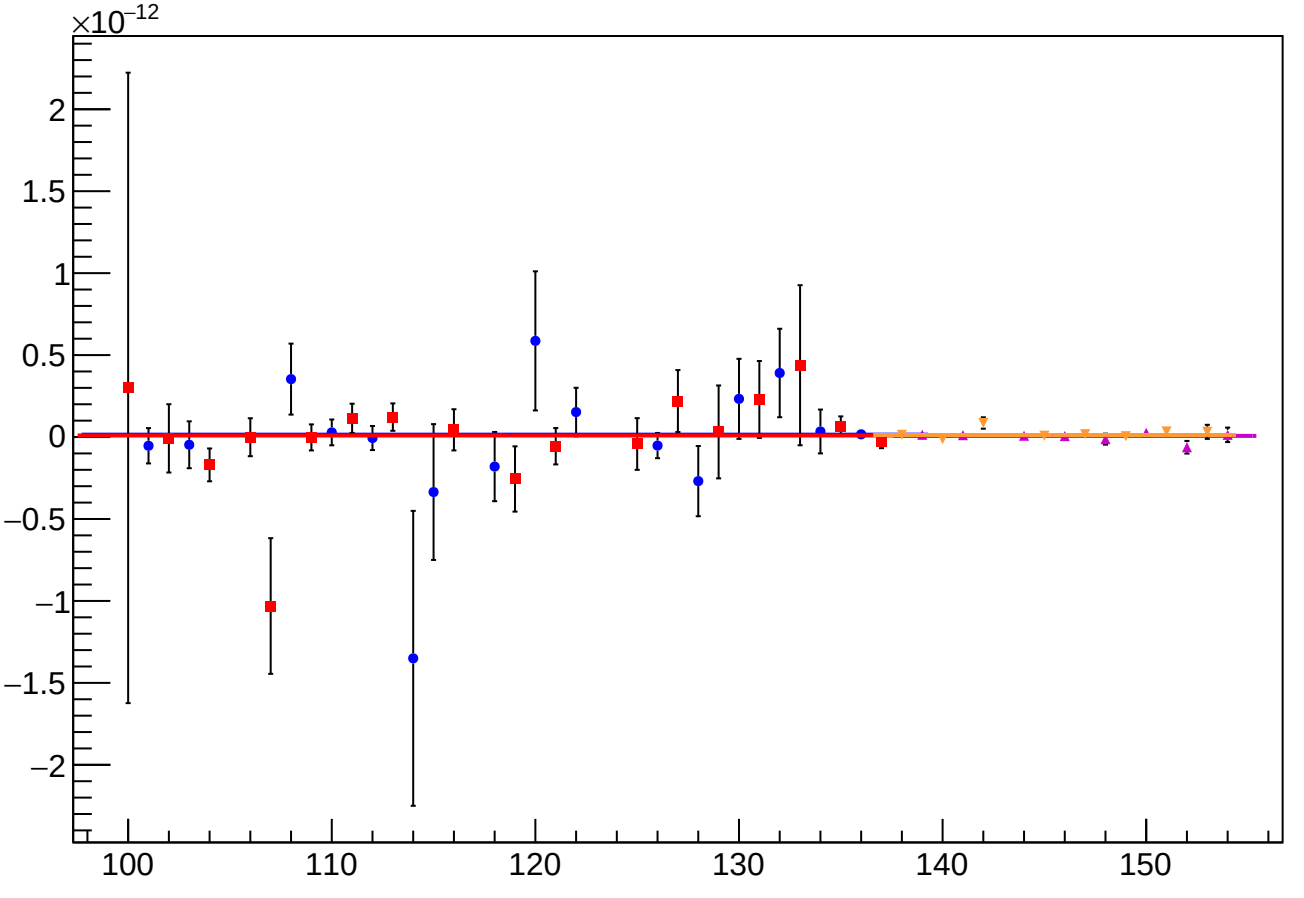
Left: 1963.127+/-0.382 χ^2/NDF: 8165.8/15

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2110.131+/-0.400 χ^2/NDF:592676.8/23

Out: 2111.441+/-0.413 χ^2/NDF:616900.5/25

All: 2110.764+/-0.287 χ^2/NDF: 1209582.5/49



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:4.3/7

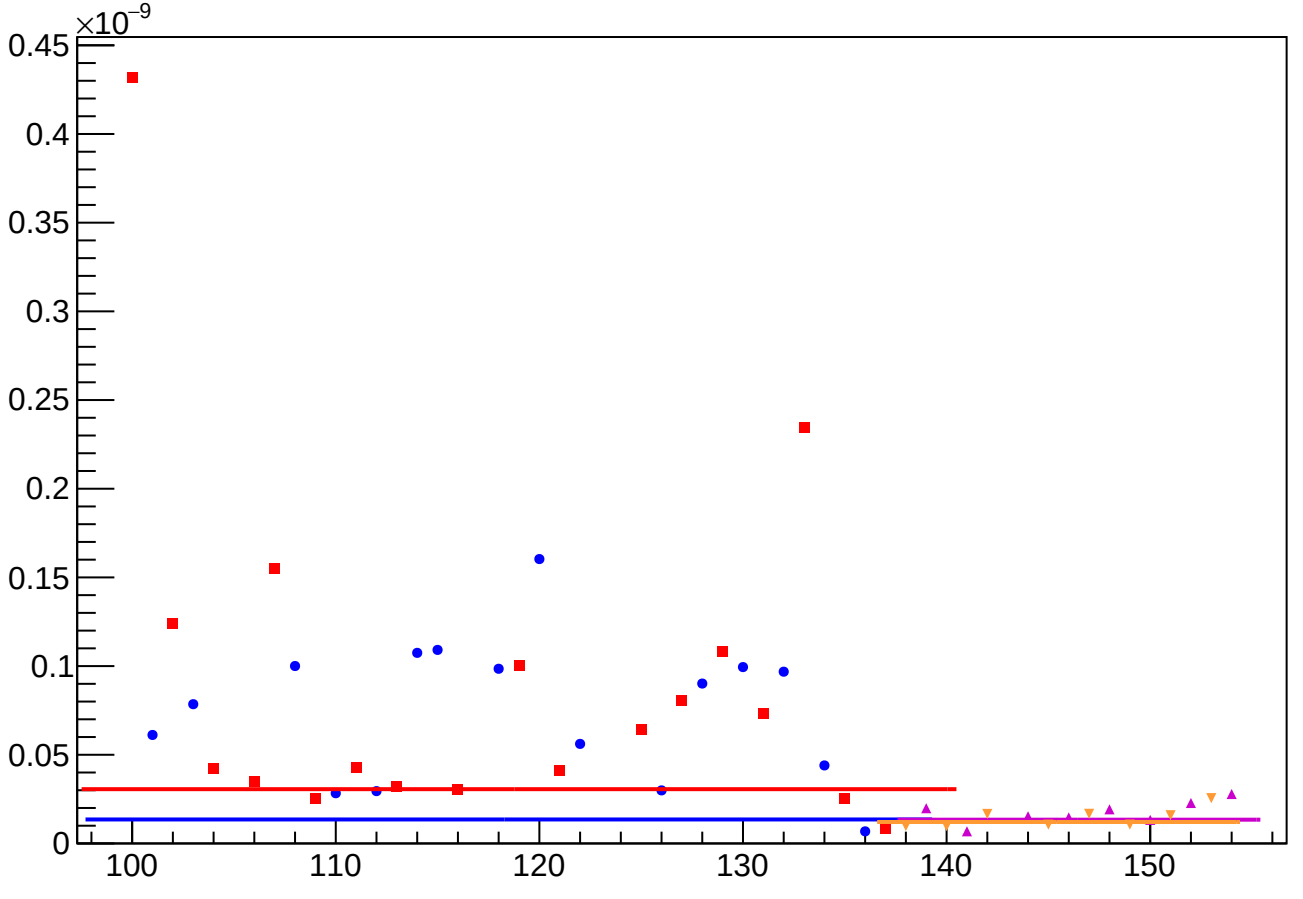
Left: 0.000+/-0.000 χ^2/NDF: 11.9/15

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:19.5/23

Out: 0.000+/-0.000 χ^2/NDF:26.9/25

All: 0.000+/-0.000 χ^2/NDF: 46.5/49



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:918775.9/7

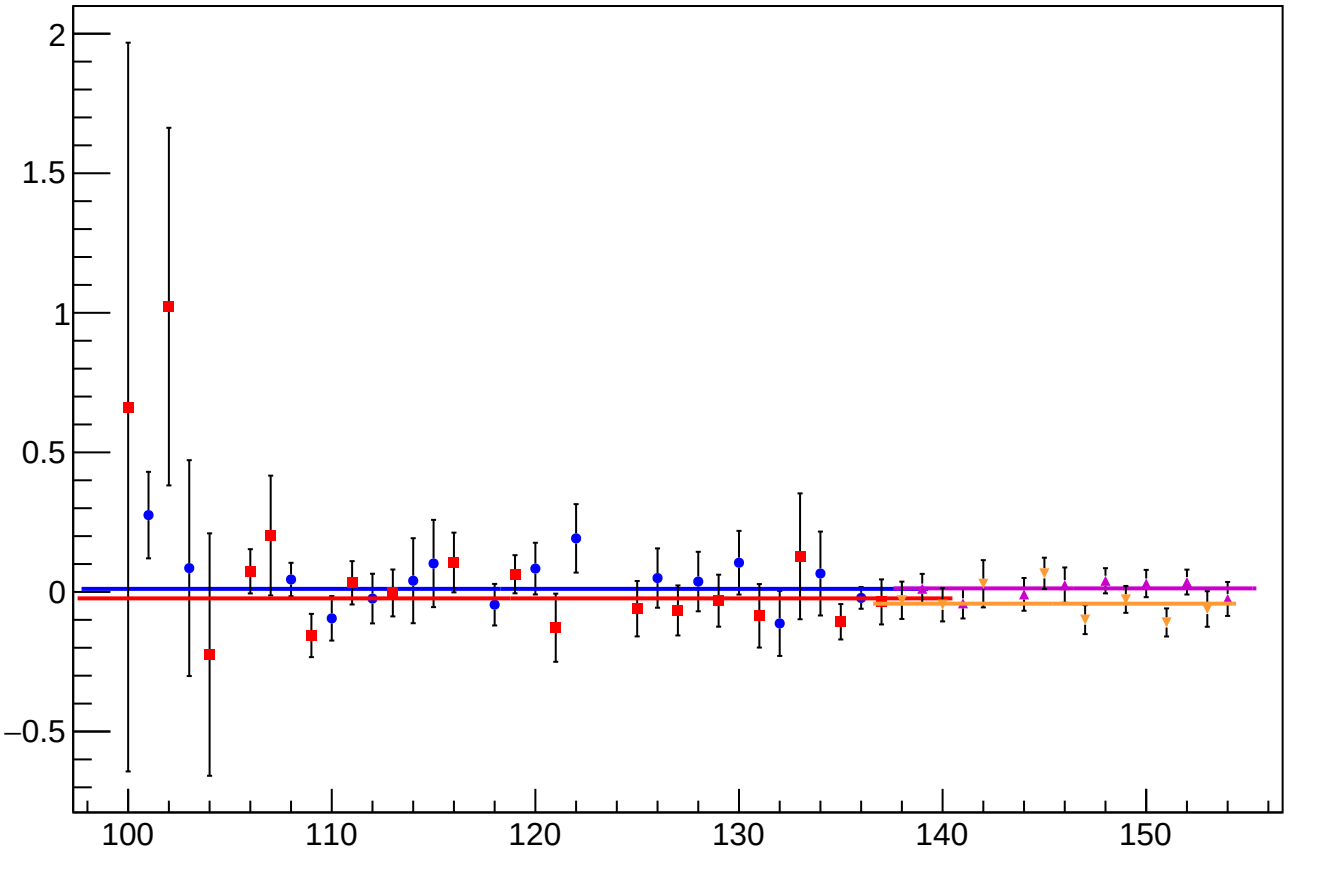
Left: 0.000+/-0.000 χ^2/NDF: 1334836.7/15

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4334988.8/23

Out: 0.000+/-0.000 χ^2/NDF:3792464.2/25

All: 0.000+/-0.000 χ^2/NDF: 8135824.3/49



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: 0.013+/-0.019 χ^2/NDF:2.3/7

Left: -0.012+/-0.014 χ^2/NDF: 13.9/15

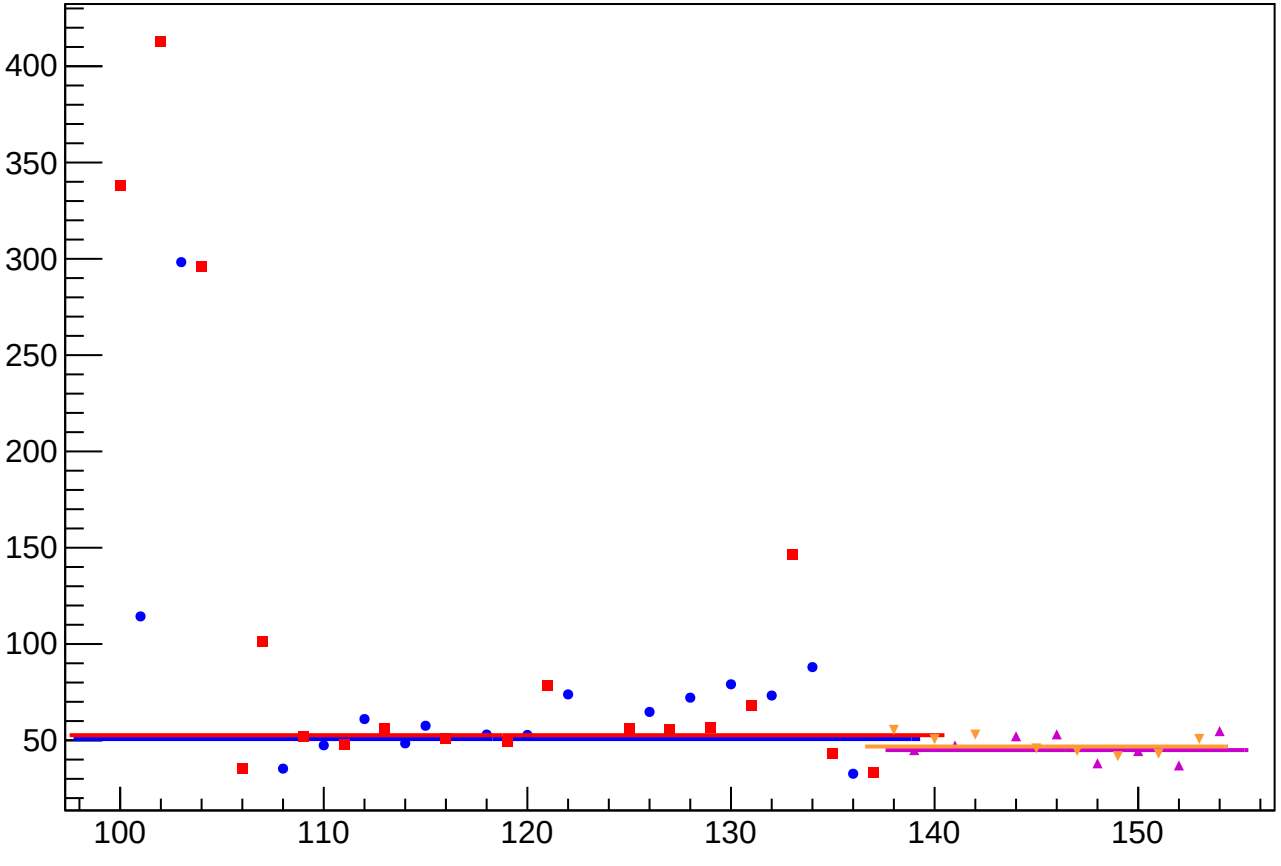
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.014 χ^2/NDF:14.0/23

Out: -0.034+/-0.015 χ^2/NDF:24.0/25

All: -0.009+/-0.010 χ^2/NDF: 42.9/49

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: 44.941+/-0.013 χ^2/NDF:229628.6/7

Left: 45.773+/-0.010 χ^2/NDF: 335975.3/15

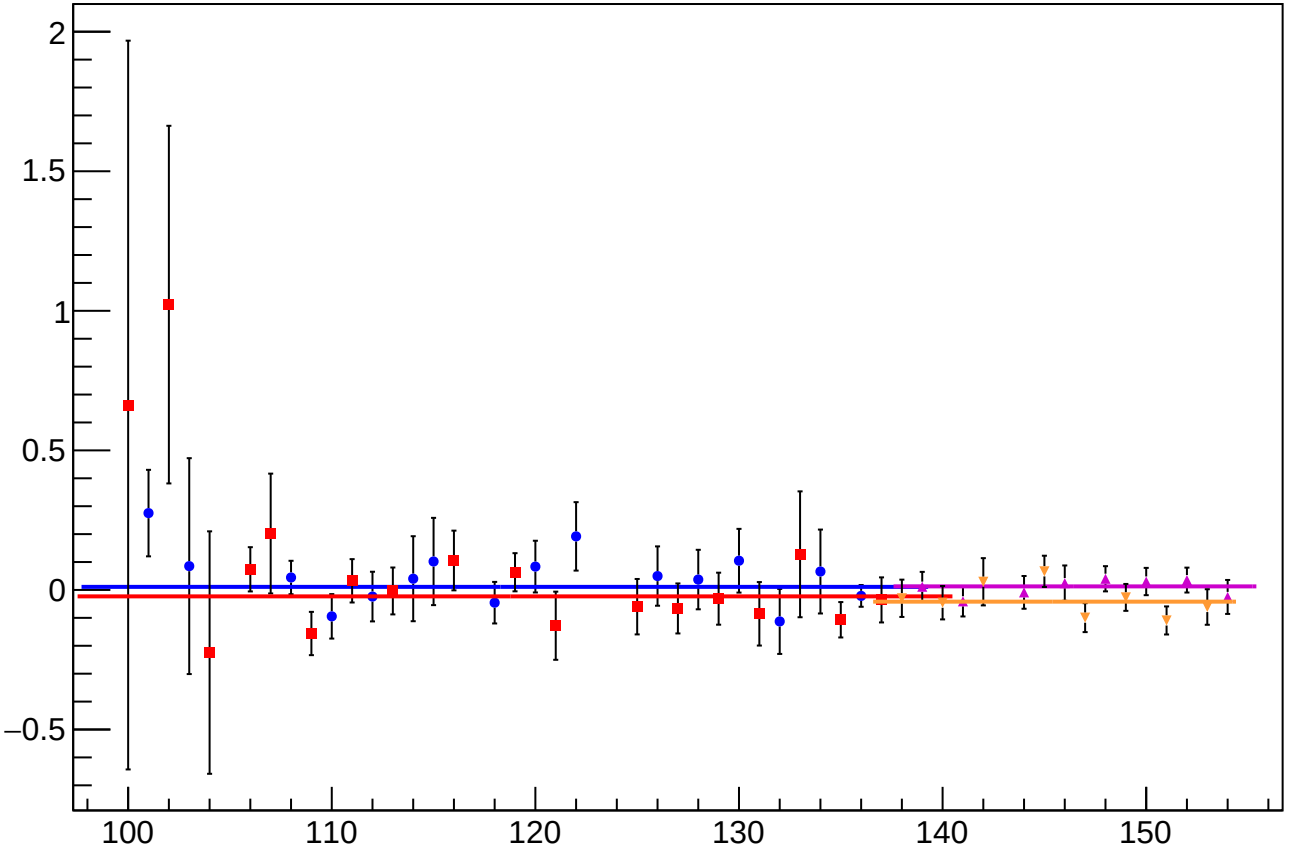
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.323+/-0.010 χ^2/NDF:2575289.6/23

Out: 49.356+/-0.011 χ^2/NDF:2382286.0/25

All: 48.260+/-0.007 χ^2/NDF: 4976642.6/49

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: 0.013+/-0.019 χ^2/NDF:2.3/7

Left: -0.012+/-0.014 χ^2/NDF: 13.9/15

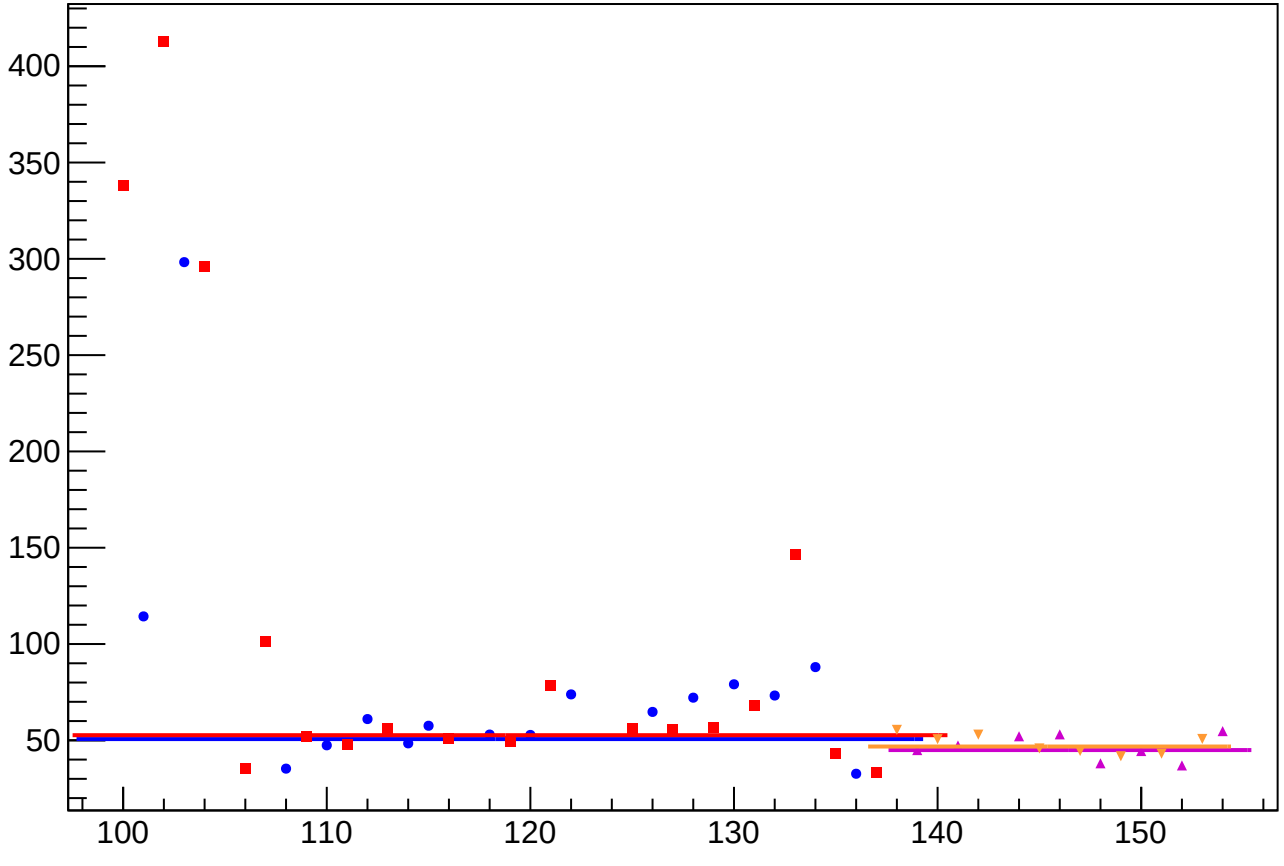
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.014 χ^2/NDF:14.0/23

Out: -0.034+/-0.015 χ^2/NDF:24.0/25

All: -0.009+/-0.010 χ^2/NDF: 42.9/49

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: 44.941+/-0.013 χ^2/NDF:229628.6/7

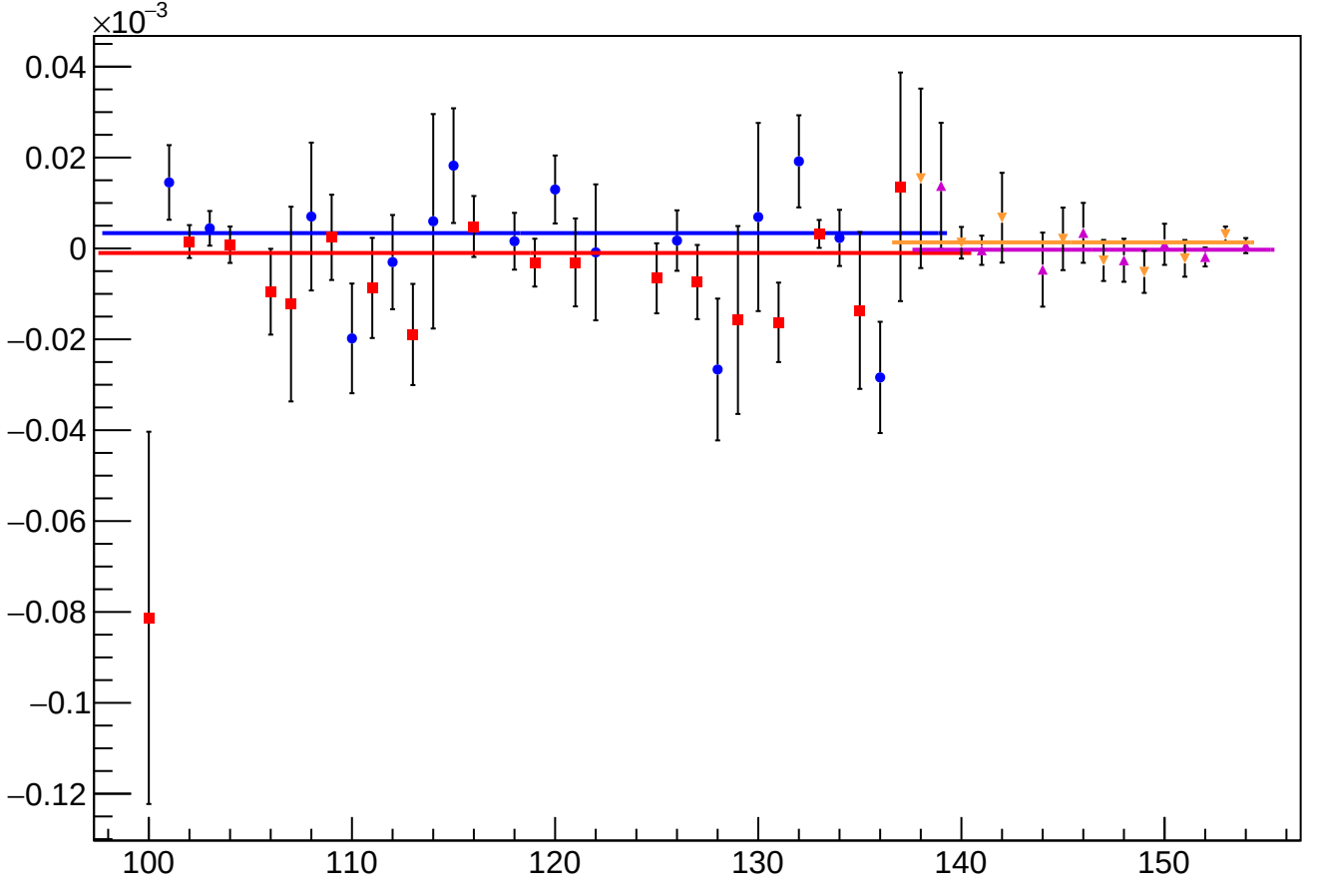
Left: 45.773+/-0.010 χ^2/NDF: 335975.3/15

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.323+/-0.010 χ^2/NDF:2575289.6/23

Out: 49.356+/-0.011 χ^2/NDF:2382286.0/25

All: 48.260+/-0.007 χ^2/NDF: 4976642.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:2.8/7

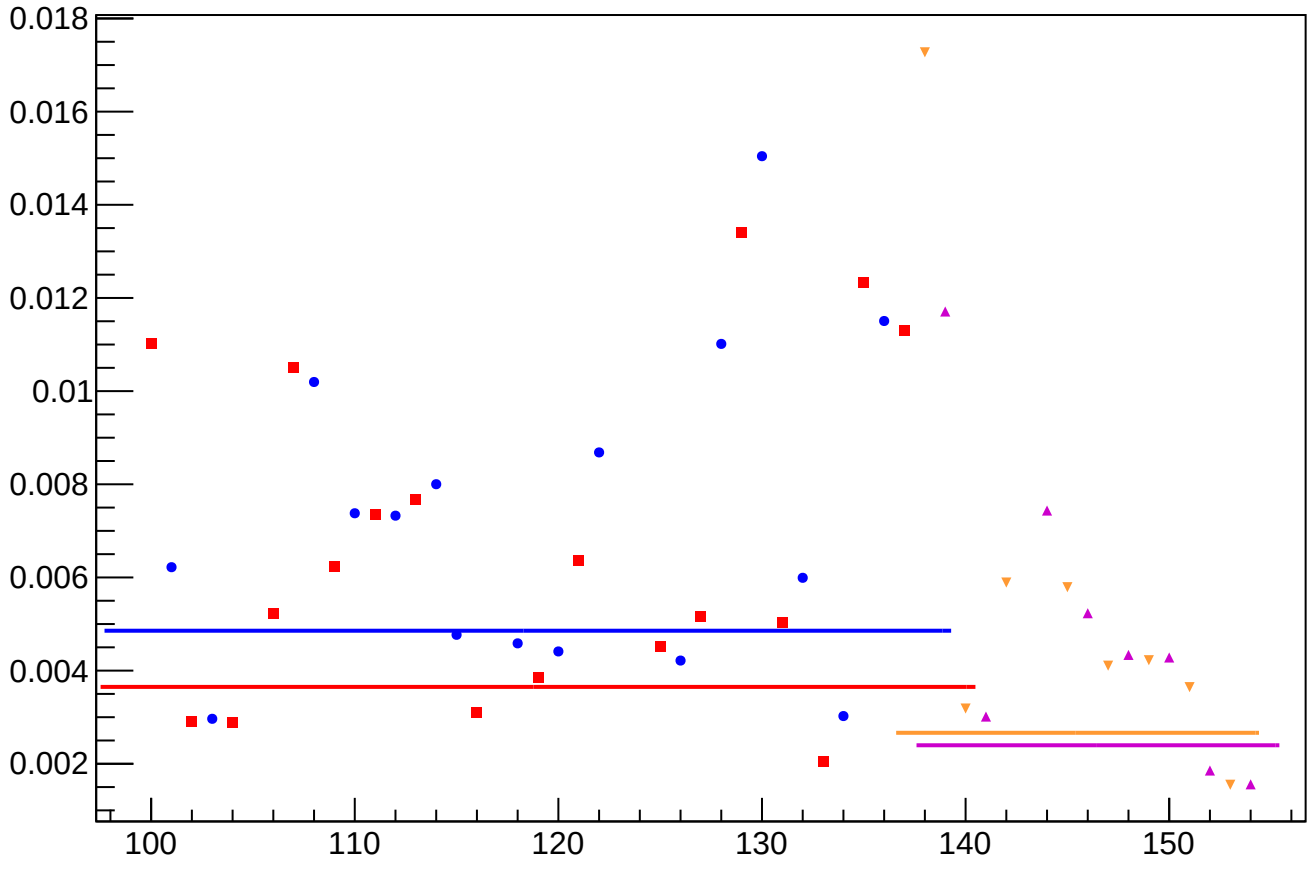
Left: 0.000+/-0.000 χ^2/NDF: 9.2/15

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:27.4/23

Out: 0.000+/-0.000 χ^2/NDF:24.0/25

All: 0.000+/-0.000 χ^2/NDF: 51.4/49



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: 0.002+/-0.000 χ^2/NDF:3433894.2/7

Left: 0.003+/-0.000 χ^2/NDF: 6651011.0/15

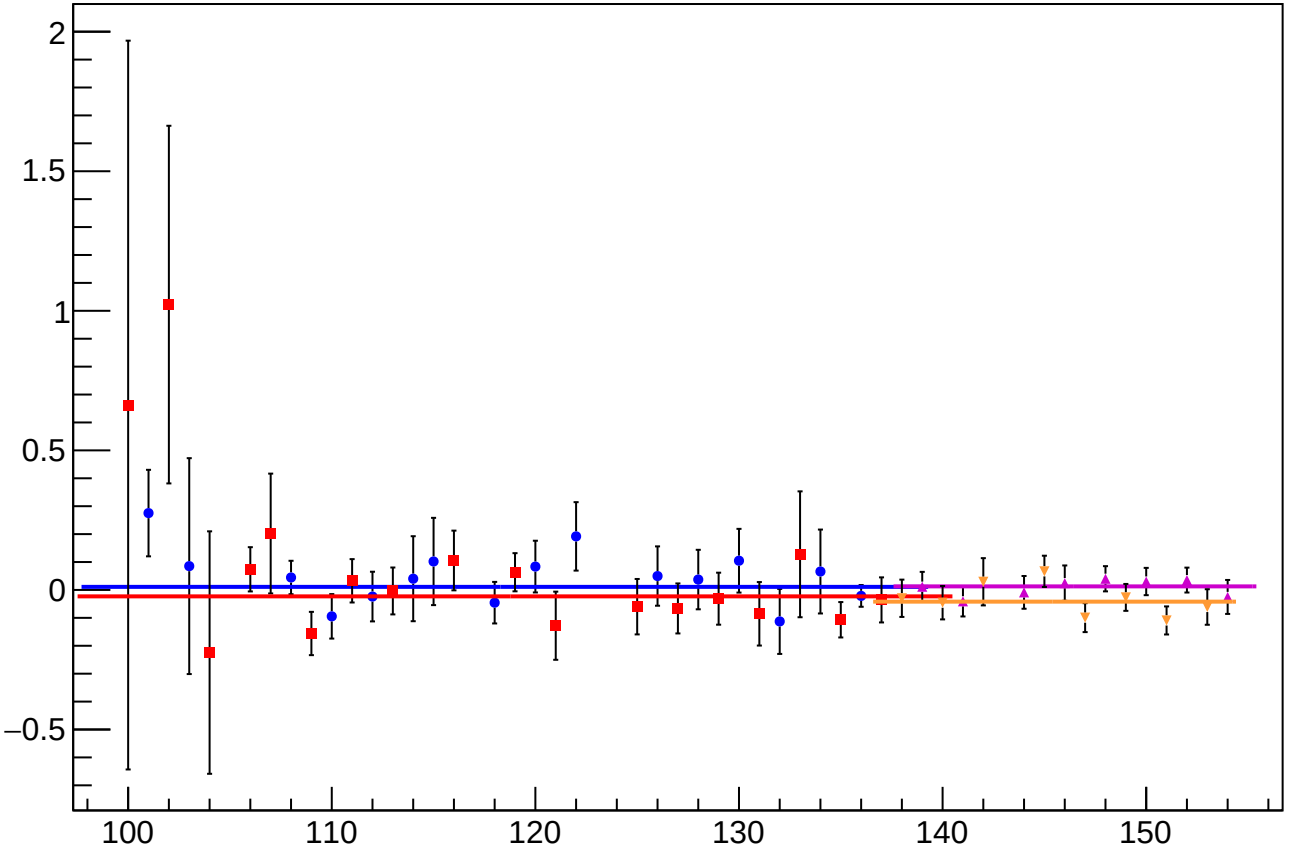
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:8362374.2/23

Out: 0.003+/-0.000 χ^2/NDF:6751490.5/25

All: 0.003+/-0.000 χ^2/NDF: 15129161.9/49

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: 0.013+/-0.019 χ^2/NDF:2.3/7

Left: -0.012+/-0.014 χ^2/NDF: 13.9/15

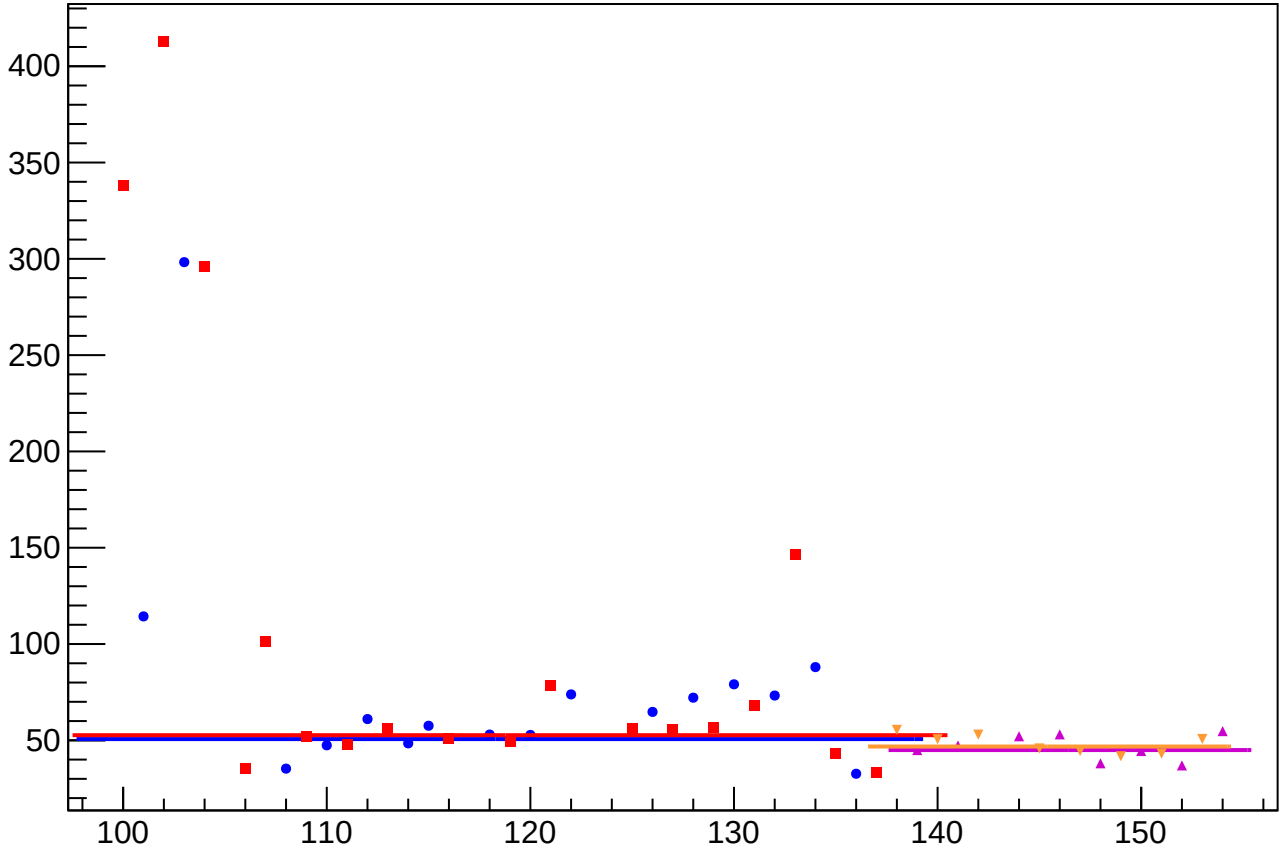
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.014 χ^2/NDF:14.0/23

Out: -0.034+/-0.015 χ^2/NDF:24.0/25

All: -0.009+/-0.010 χ^2/NDF: 42.9/49

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: 44.942+/-0.013 χ^2/NDF:229596.8/7

Left: 45.774+/-0.010 χ^2/NDF: 335962.3/15

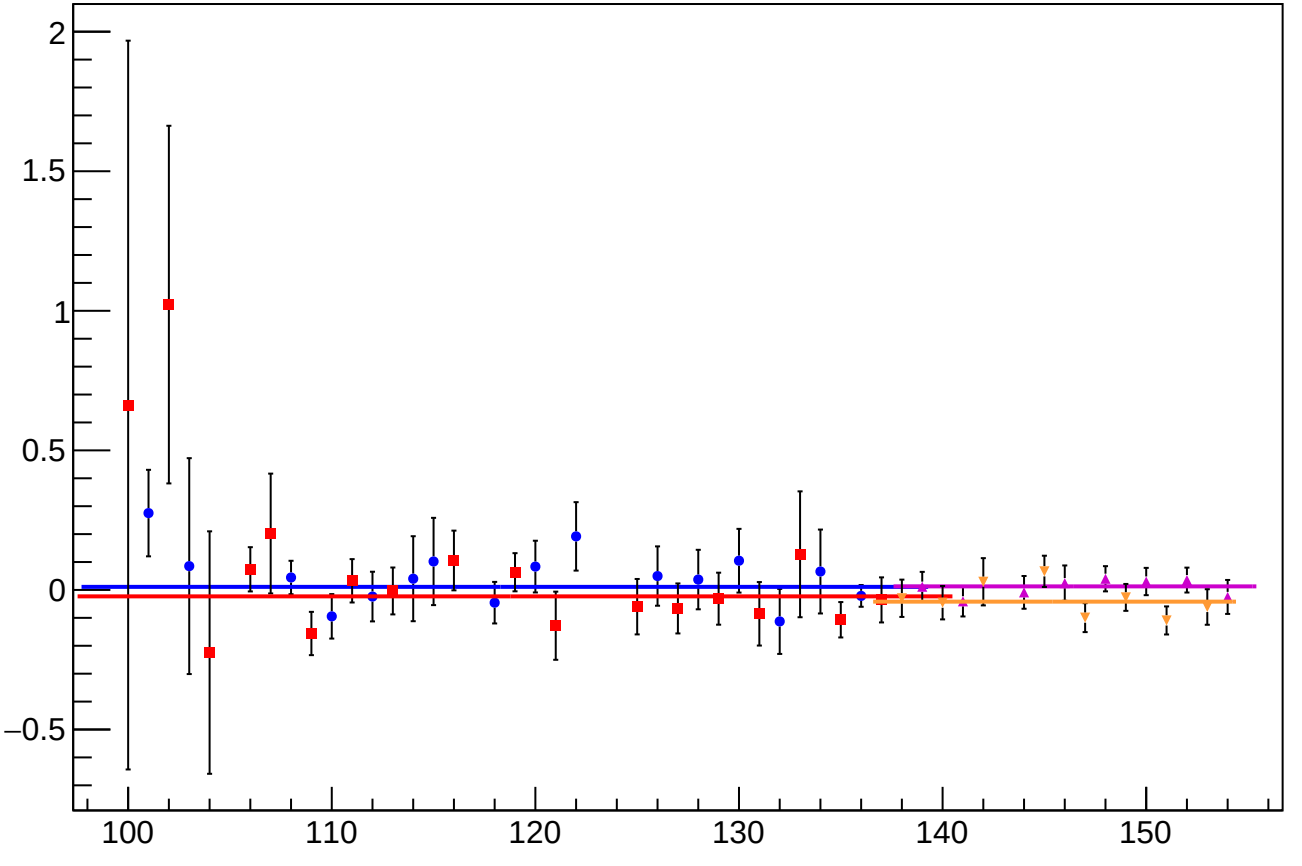
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.324+/-0.010 χ^2/NDF:2575166.1/23

Out: 49.357+/-0.011 χ^2/NDF:2382206.9/25

All: 48.261+/-0.007 χ^2/NDF: 4976441.0/49

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: 0.013+/-0.019 χ^2/NDF:2.3/7

Left: -0.012+/-0.014 χ^2/NDF: 13.9/15

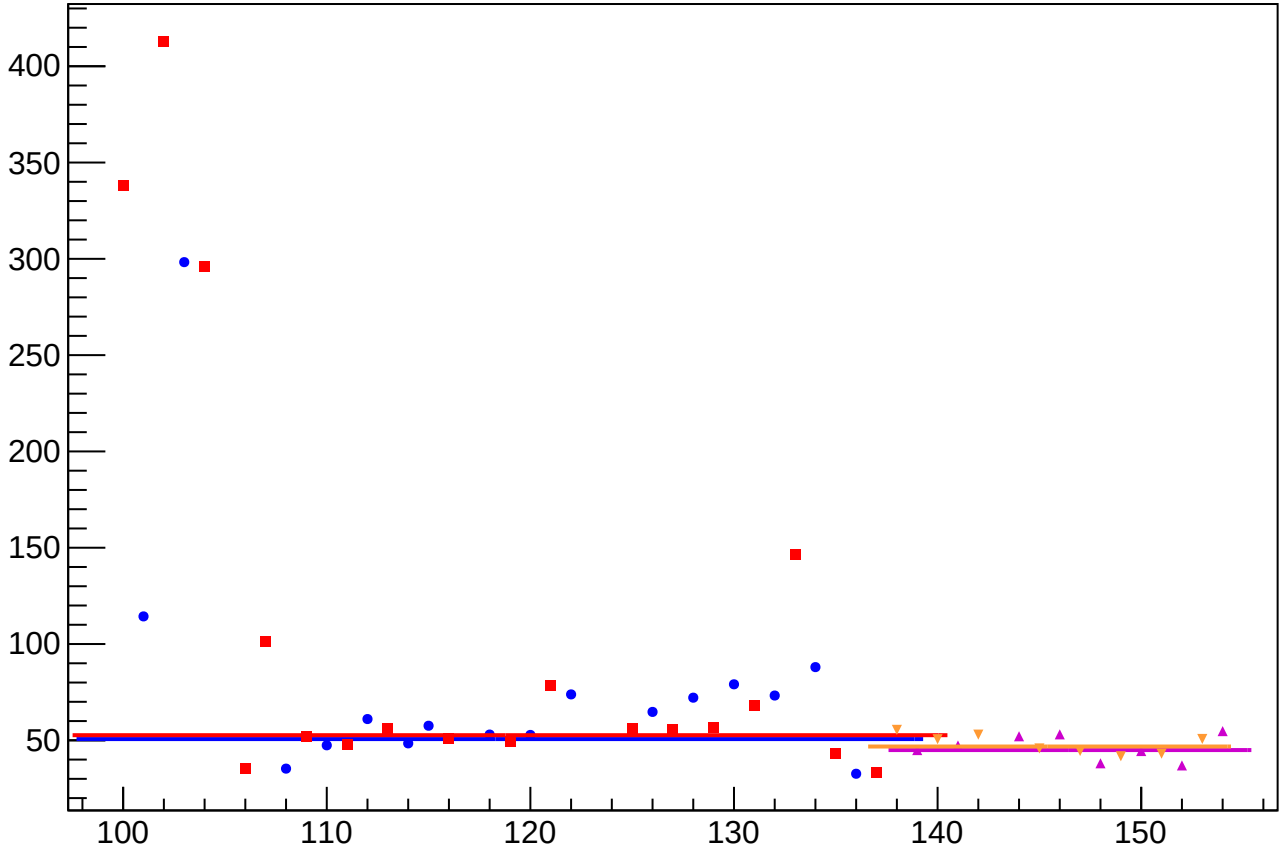
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.014 χ^2/NDF:14.0/23

Out: -0.034+/-0.015 χ^2/NDF:24.0/25

All: -0.009+/-0.010 χ^2/NDF: 42.9/49

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: 44.942+/-0.013 χ^2/NDF:229596.8/7

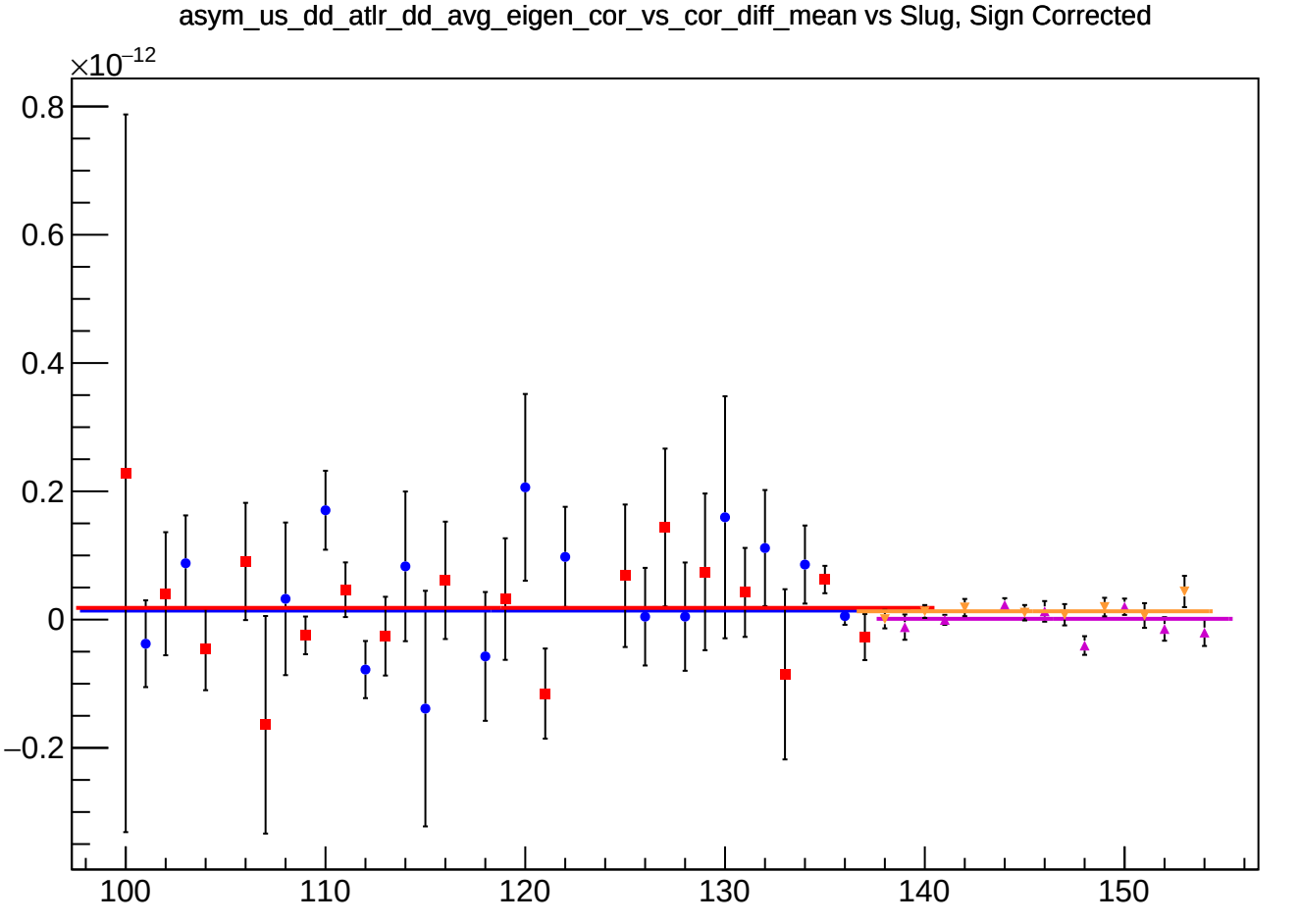
Left: 45.774+/-0.010 χ^2/NDF: 335962.3/15

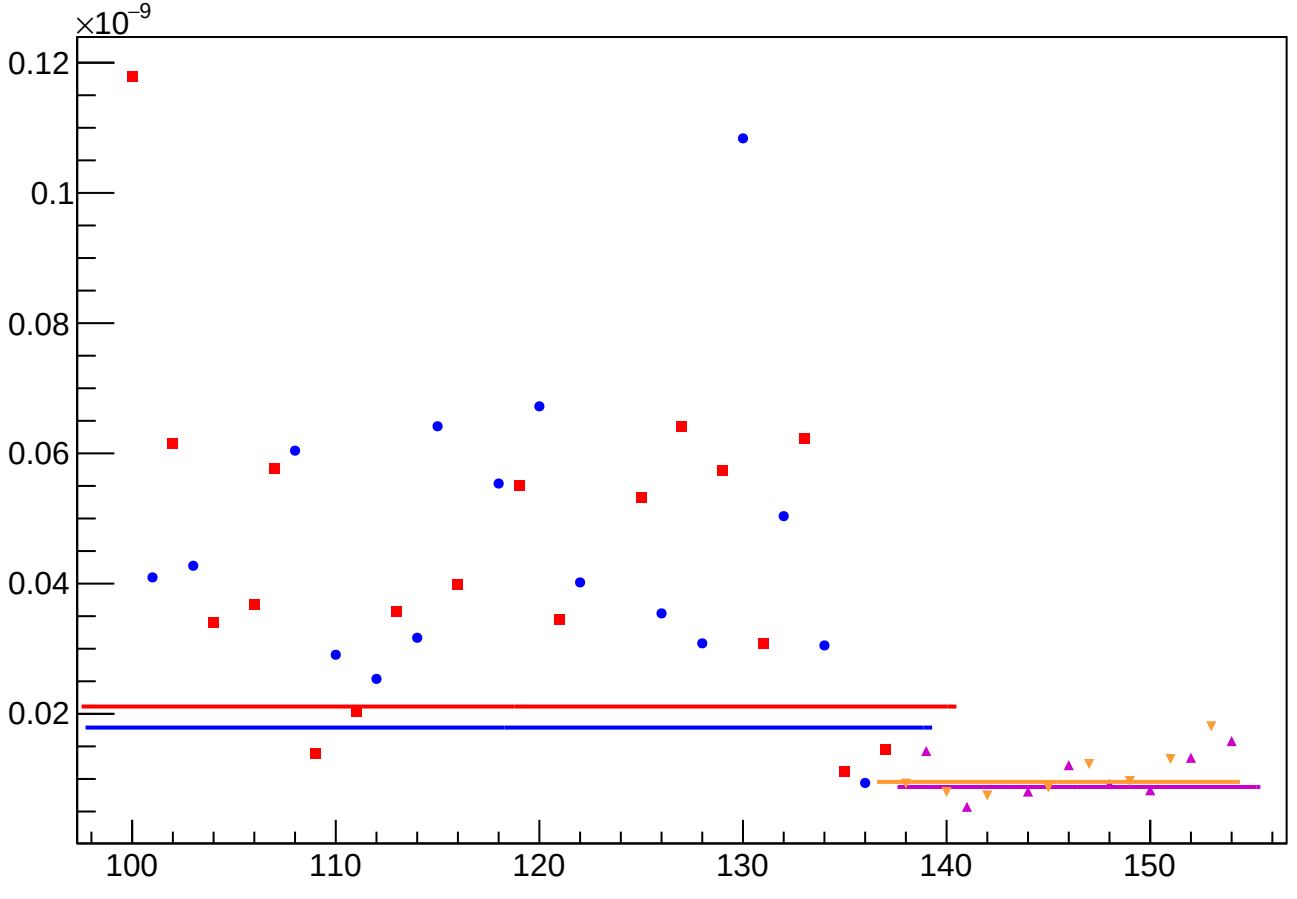
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.324+/-0.010 χ^2/NDF:2575166.1/23

Out: 49.357+/-0.011 χ^2/NDF:2382206.9/25

All: 48.261+/-0.007 χ^2/NDF: 4976441.0/49


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:17.2/7
Left: 0.000+/-0.000 χ²/NDF: 23.2/15
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: 0.000+/-0.000 χ²/NDF:38.6/23
Out: 0.000+/-0.000 χ²/NDF:21.1/25
All: 0.000+/-0.000 χ²/NDF: 62.7/49



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:903052.4/7

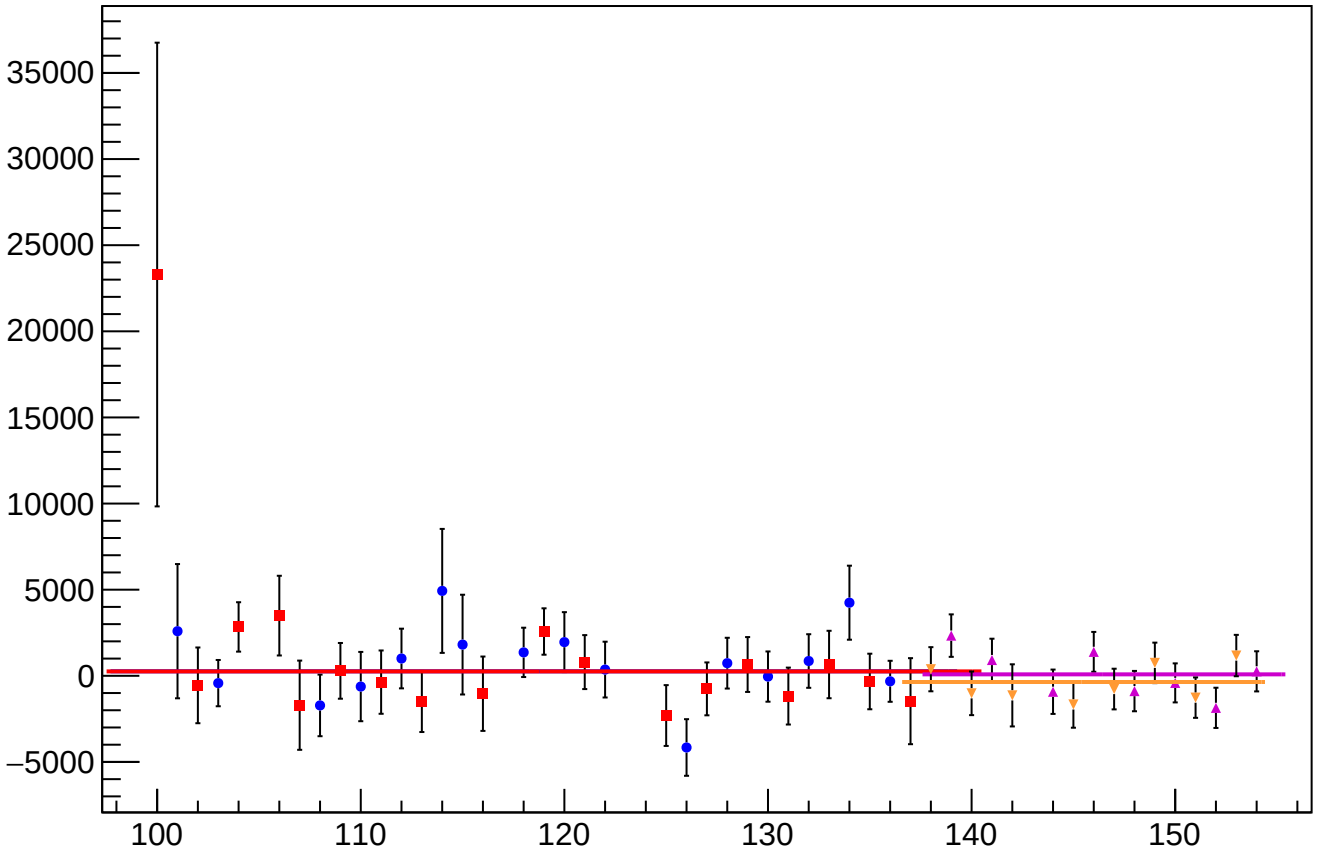
Left: 0.000+/-0.000 χ^2/NDF: 1400961.3/15

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5417752.0/23

Out: 0.000+/-0.000 χ^2/NDF:4562859.8/25

All: 0.000+/-0.000 χ^2/NDF: 10040571.6/49



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: 84.418+/-421.036 χ^2/NDF:9.4/7

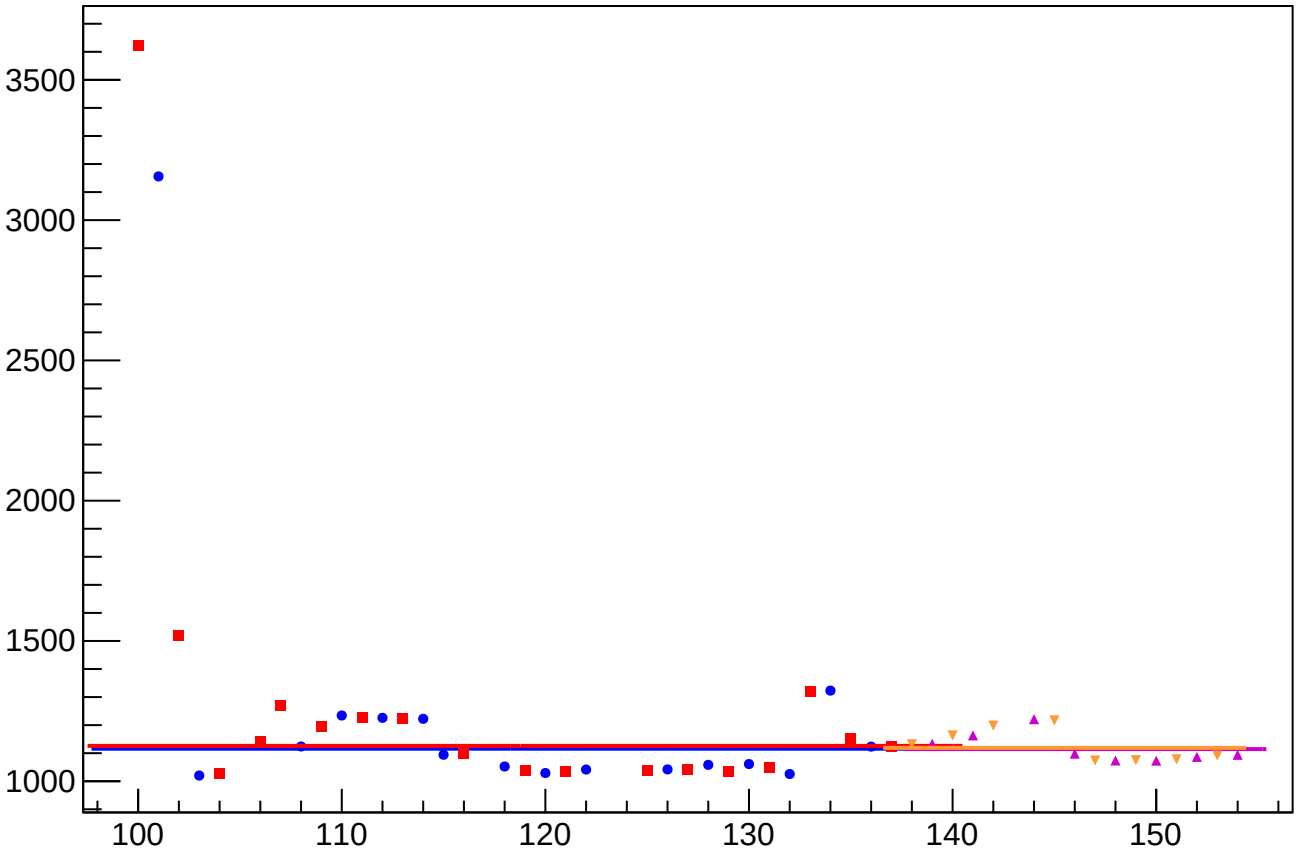
Left: -122.861+/-307.294 χ^2/NDF: 14.8/15

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 171.852+/-298.990 χ^2/NDF:26.4/23

Out: -34.933+/-309.126 χ^2/NDF:23.3/25

All: 71.905+/-214.912 χ^2/NDF: 49.9/49



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: 1114.588+/-0.298 χ^2/NDF:24537.0/7

Left: 1116.669+/-0.217 χ^2/NDF: 50831.9/15

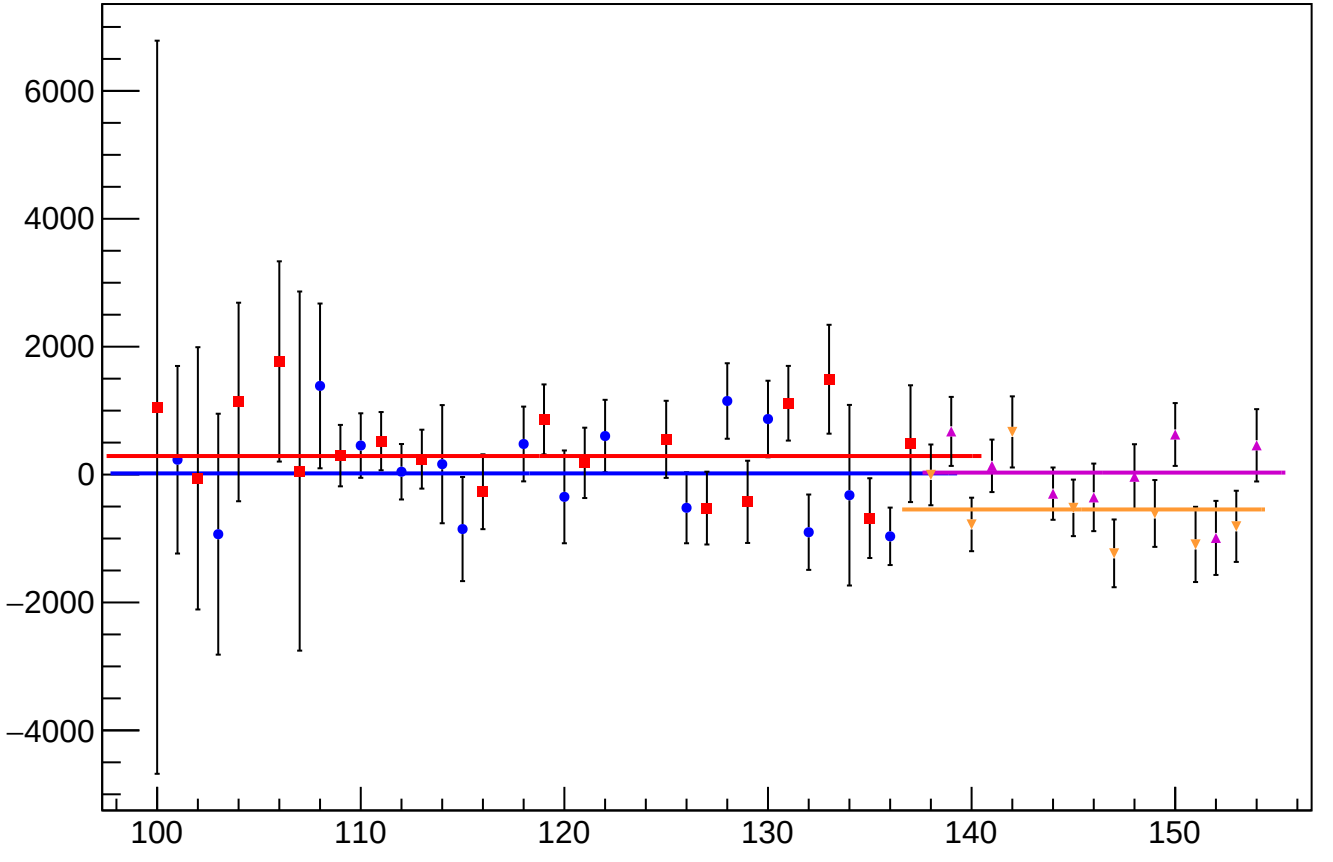
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1115.332+/-0.211 χ^2/NDF:647940.5/23

Out: 1122.718+/-0.219 χ^2/NDF:248549.9/25

All: 1118.902+/-0.152 χ^2/NDF: 897080.3/49

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: 30.577+/-173.919 χ^2/NDF:7.8/7

Left: -252.077+/-124.132 χ^2/NDF: 22.4/15

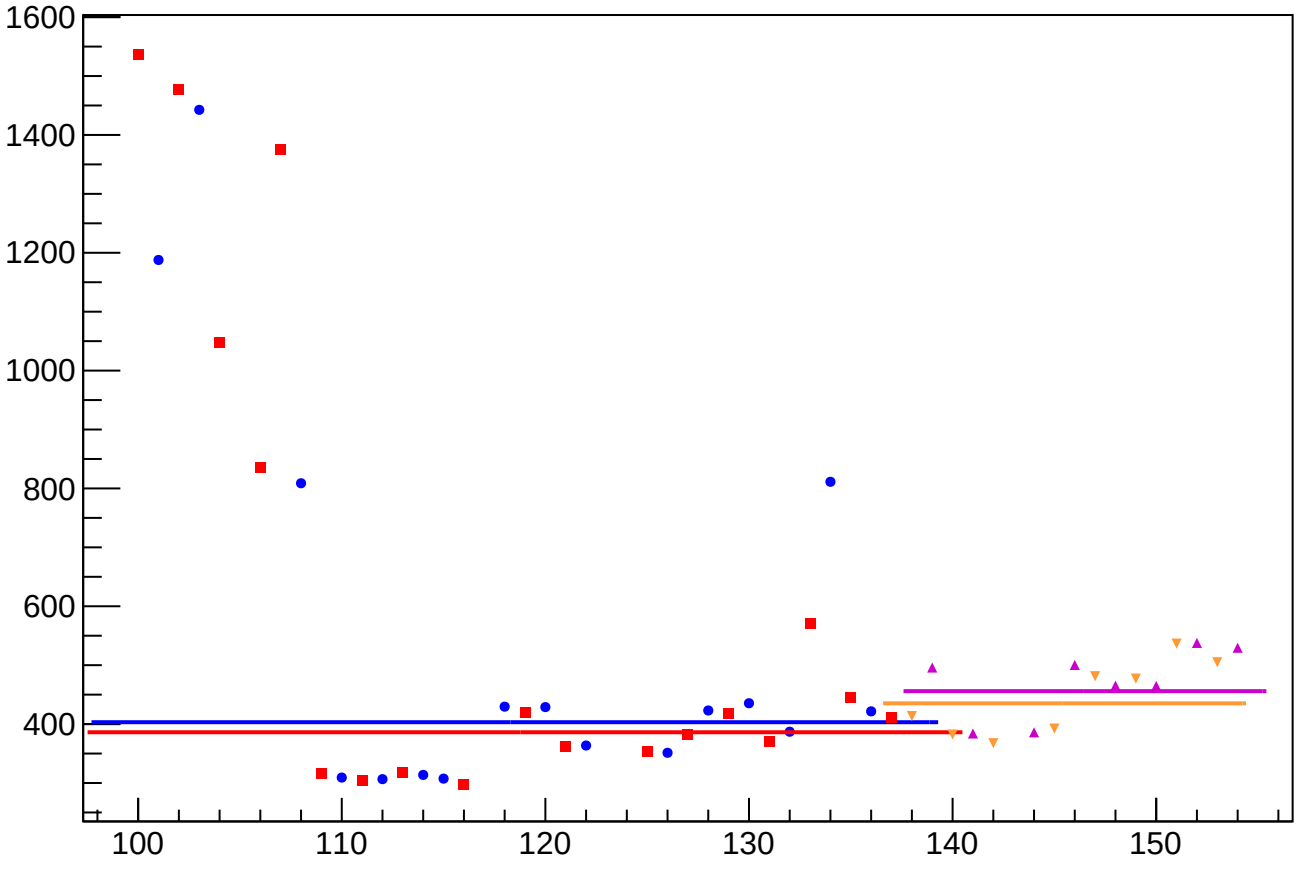
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 24.065+/-118.241 χ^2/NDF:27.0/23

Out: -75.309+/-117.178 χ^2/NDF:35.2/25

All: -26.071+/-83.231 χ^2/NDF: 62.5/49

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: 455.898+/-0.123 χ^2/NDF:220347.4/7

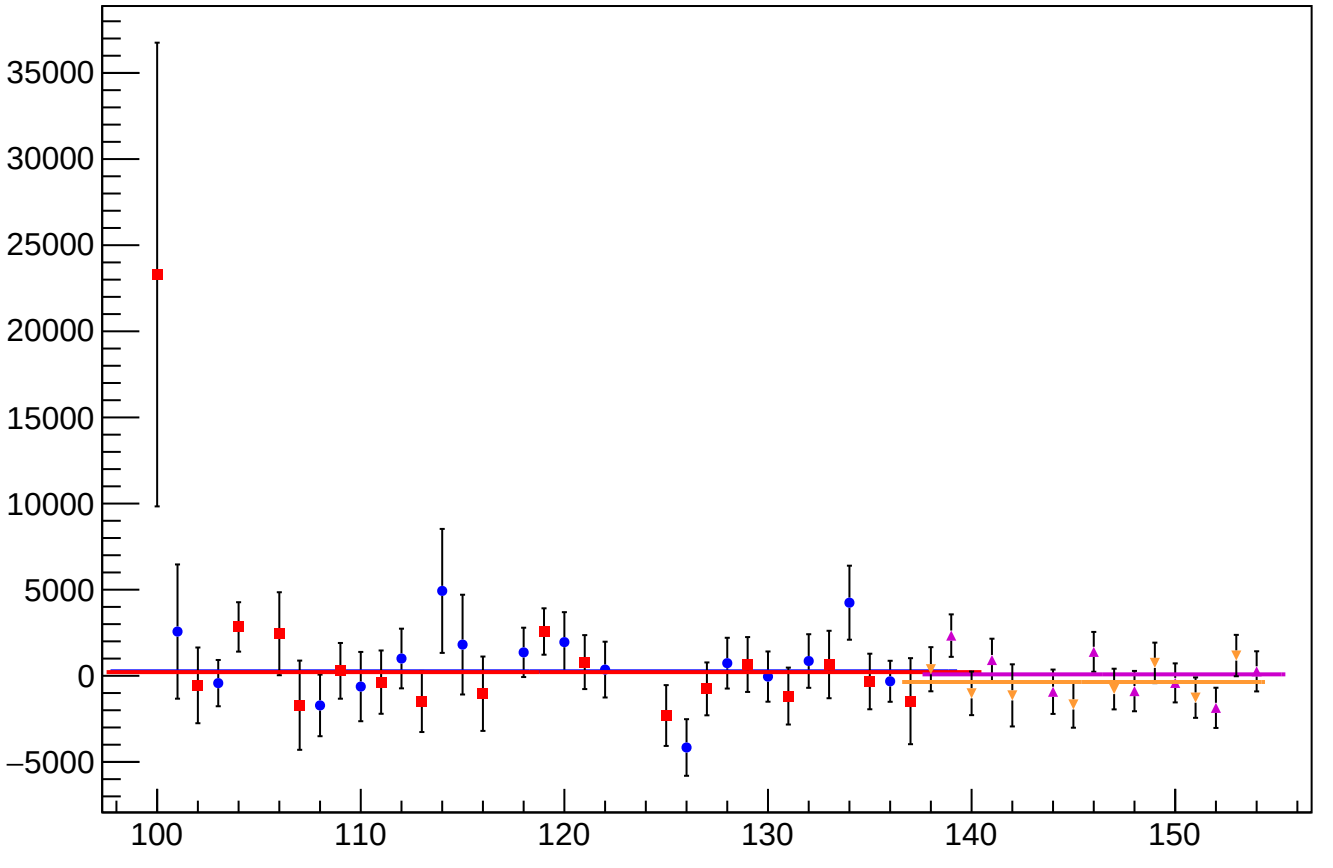
Left: 445.749+/-0.088 χ^2/NDF: 437541.3/15

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 427.555+/-0.084 χ^2/NDF:2127551.1/23

Out: 407.595+/-0.083 χ^2/NDF:2048702.0/25

All: 417.485+/-0.059 χ^2/NDF: 4205006.4/49



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: 84.395+/-421.036 χ^2/NDF:9.4/7

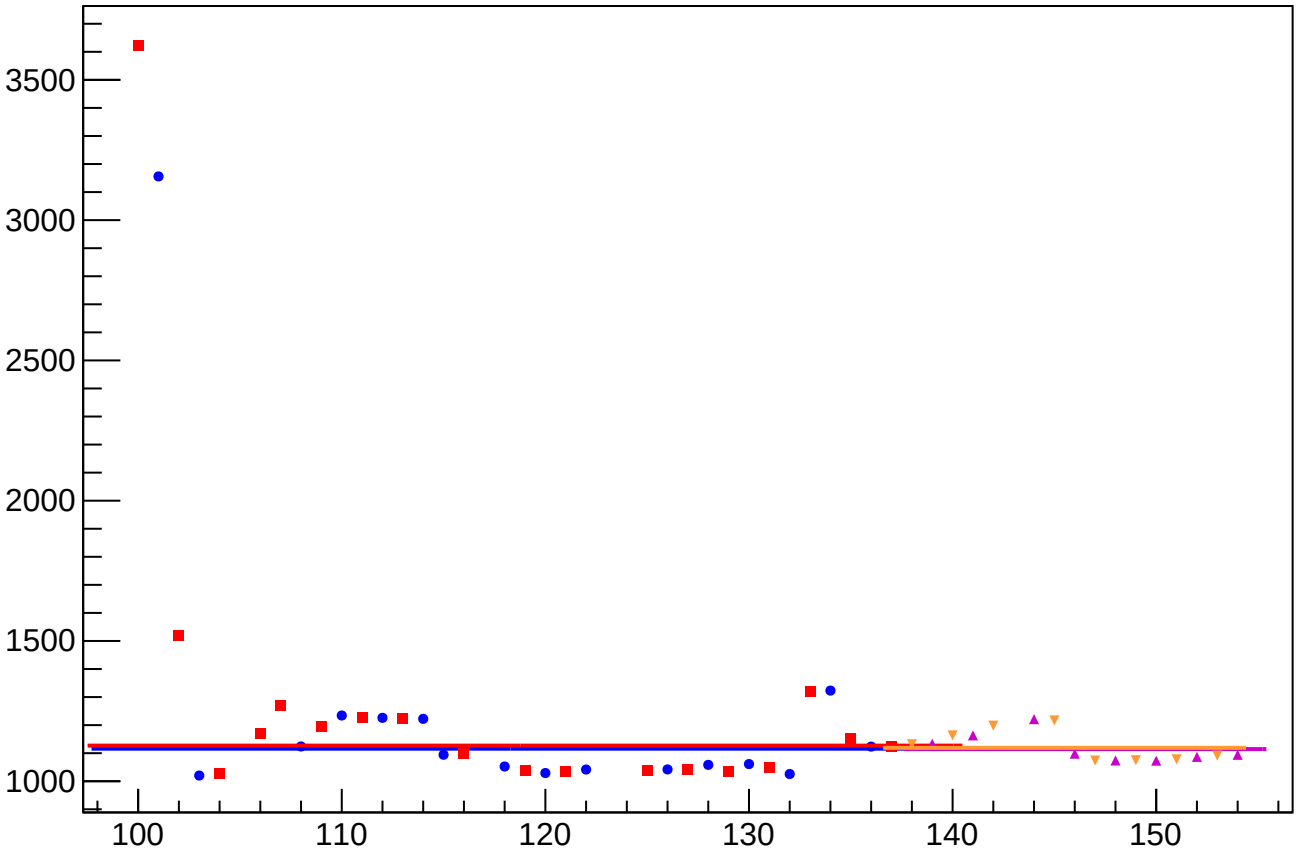
Left: -122.867+/-307.294 χ^2/NDF: 14.8/15

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 171.651+/-298.990 χ^2/NDF:26.4/23

Out: -57.140+/-309.339 χ^2/NDF:22.1/25

All: 61.147+/-214.983 χ^2/NDF: 48.7/49



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: 1114.588+/-0.298 χ^2/NDF:24537.0/7

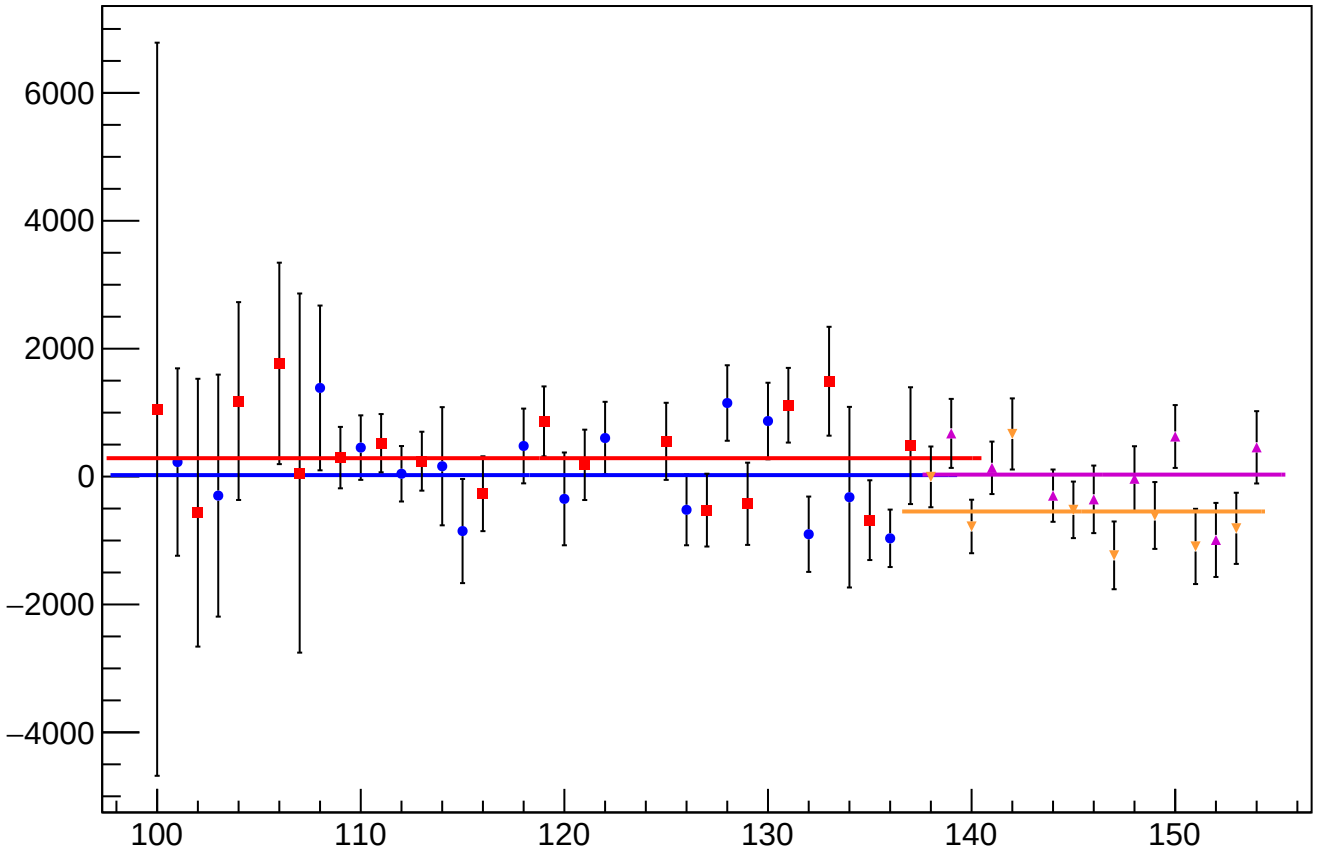
Left: 1116.669+/-0.217 χ^2/NDF: 50831.9/15

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1115.332+/-0.211 χ^2/NDF:647941.5/23

Out: 1123.211+/-0.219 χ^2/NDF:249257.1/25

All: 1119.137+/-0.152 χ^2/NDF: 897869.4/49



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: 30.626+/-173.917 χ^2/NDF:7.8/7

Left: -252.112+/-124.131 χ^2/NDF: 22.4/15

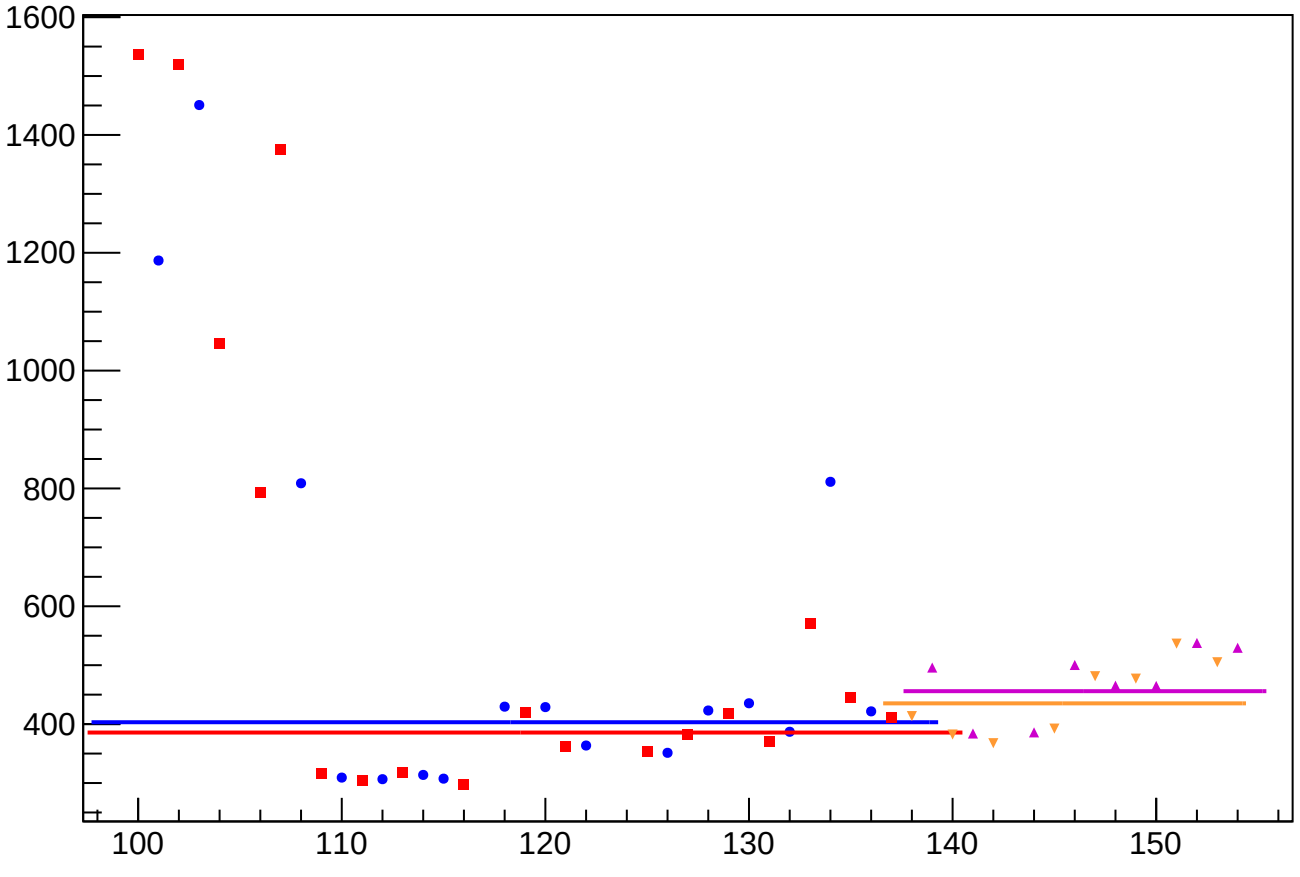
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 26.483+/-118.241 χ^2/NDF:26.8/23

Out: -76.740+/-117.187 χ^2/NDF:35.2/25

All: -25.590+/-83.234 χ^2/NDF: 62.4/49

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 435.207+/-0.125 χ^2/NDF:203301.0/7

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 455.894+/-0.123 χ^2/NDF:220311.2/7

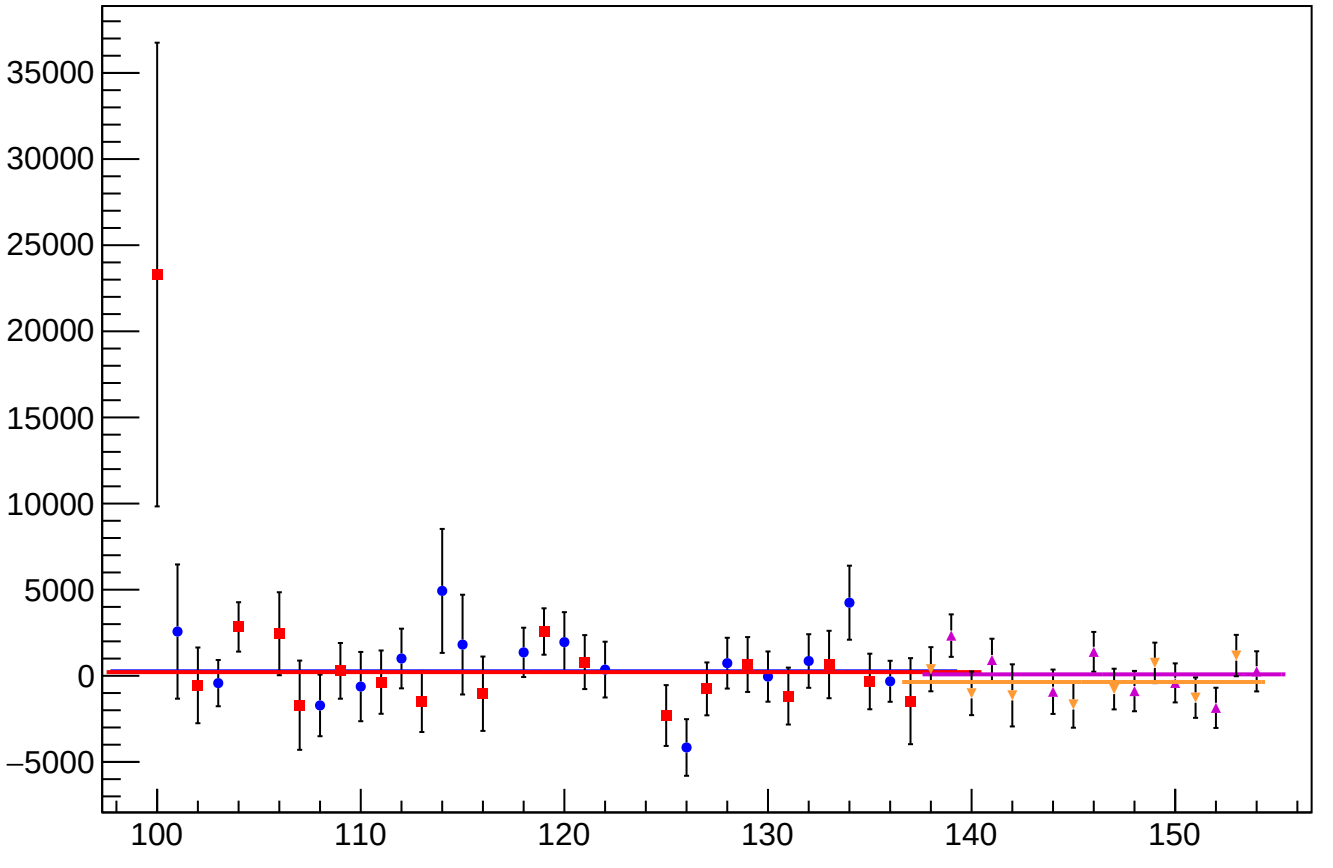
Left: 445.745+/-0.088 χ^2/NDF: 437493.7/15

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 427.547+/-0.084 χ^2/NDF:2131222.7/23

Out: 407.336+/-0.083 χ^2/NDF:2038349.8/25

All: 417.351+/-0.059 χ^2/NDF: 4199051.5/49



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: 84.395+/-421.036 χ^2/NDF:9.4/7

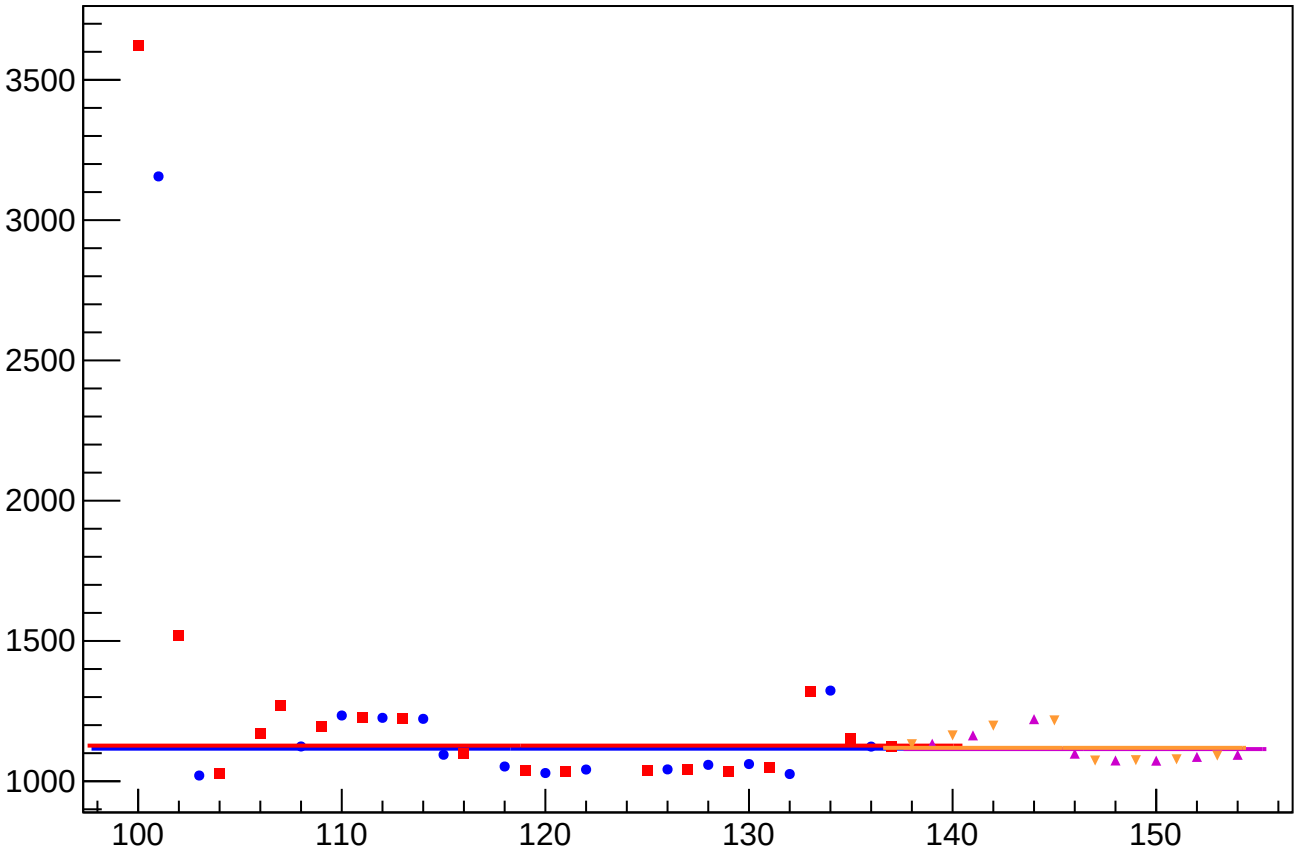
Left: -122.867+/-307.294 χ^2/NDF: 14.8/15

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 171.651+/-298.990 χ^2/NDF:26.4/23

Out: -57.140+/-309.339 χ^2/NDF:22.1/25

All: 61.147+/-214.983 χ^2/NDF: 48.7/49



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: 1114.588+/-0.298 χ^2/NDF:24537.0/7

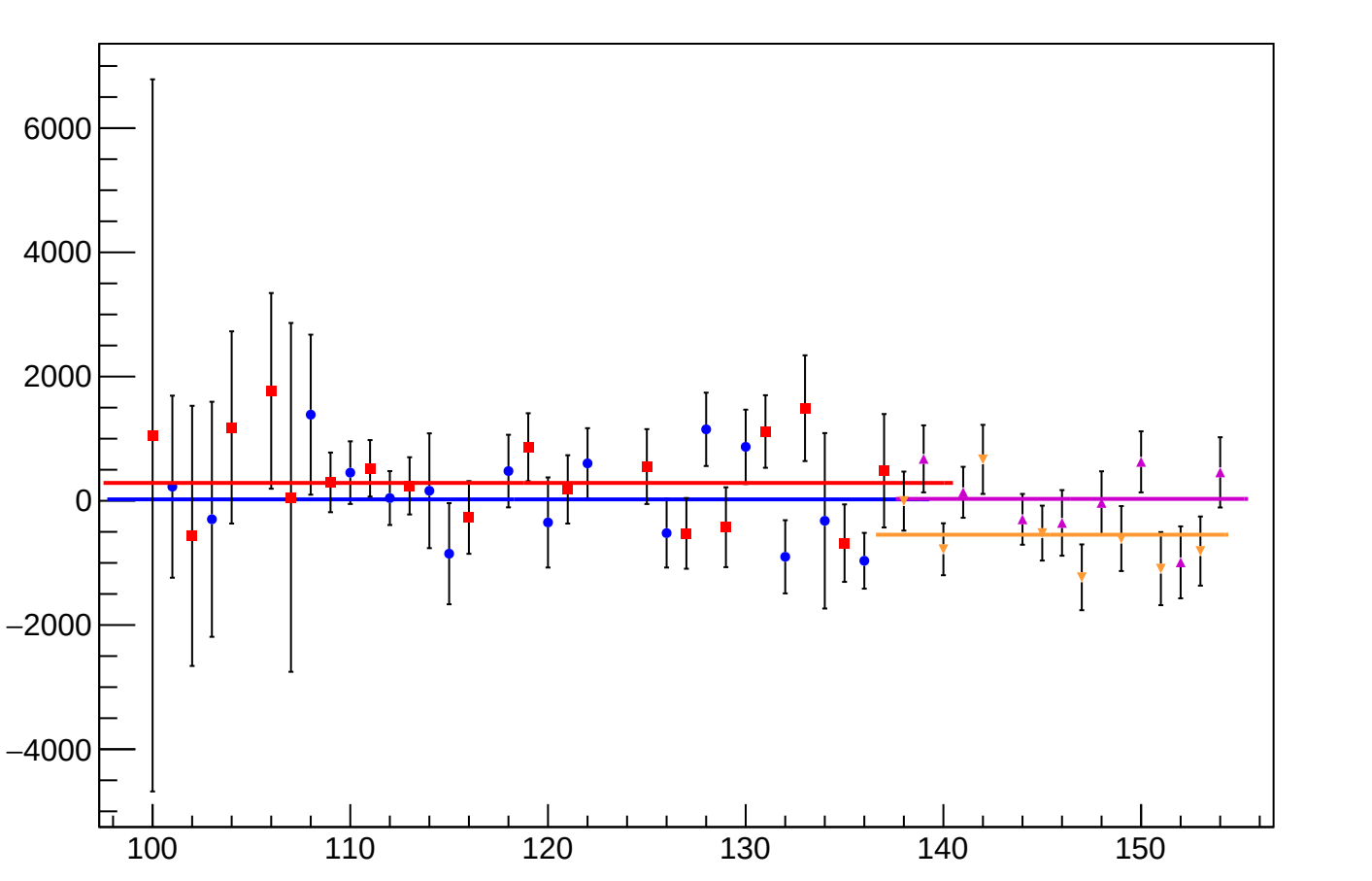
Left: 1116.669+/-0.217 χ^2/NDF: 50831.9/15

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

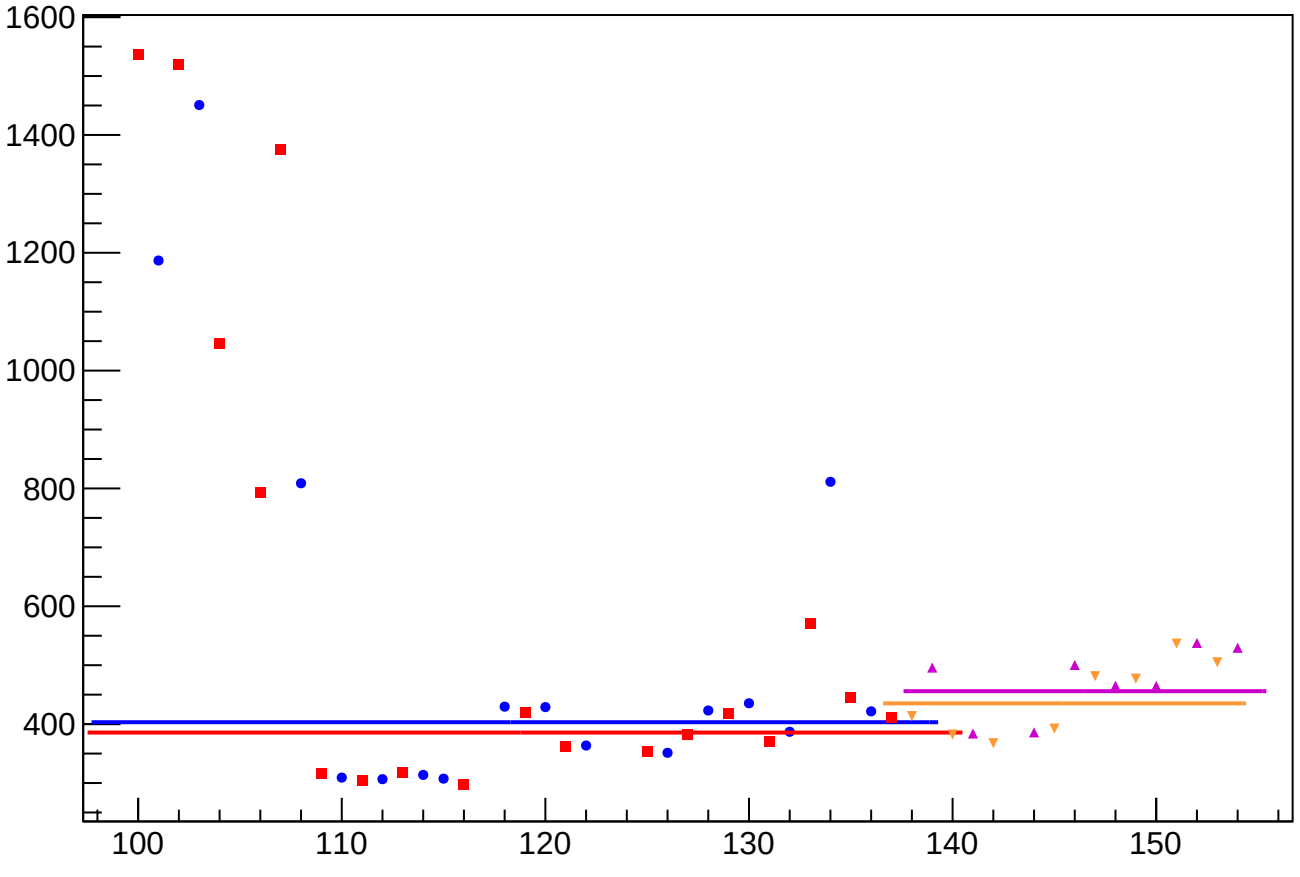
In: 1115.332+/-0.211 χ^2/NDF:647941.5/23

Out: 1123.211+/-0.219 χ^2/NDF:249257.1/25

All: 1119.137+/-0.152 χ^2/NDF: 897869.4/49


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -545.705+/-177.224 χ²/NDF:9.1/7
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: 30.626+/-173.917 χ²/NDF:7.8/7
Left: -252.112+/-124.131 χ²/NDF: 22.4/15
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: 26.483+/-118.241 χ²/NDF:26.8/23
Out: -76.740+/-117.187 χ²/NDF:35.2/25
All: -25.590+/-83.234 χ²/NDF: 62.4/49

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 435.207+/-0.125 χ^2/NDF:203301.0/7

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 455.894+/-0.123 χ^2/NDF:220311.2/7

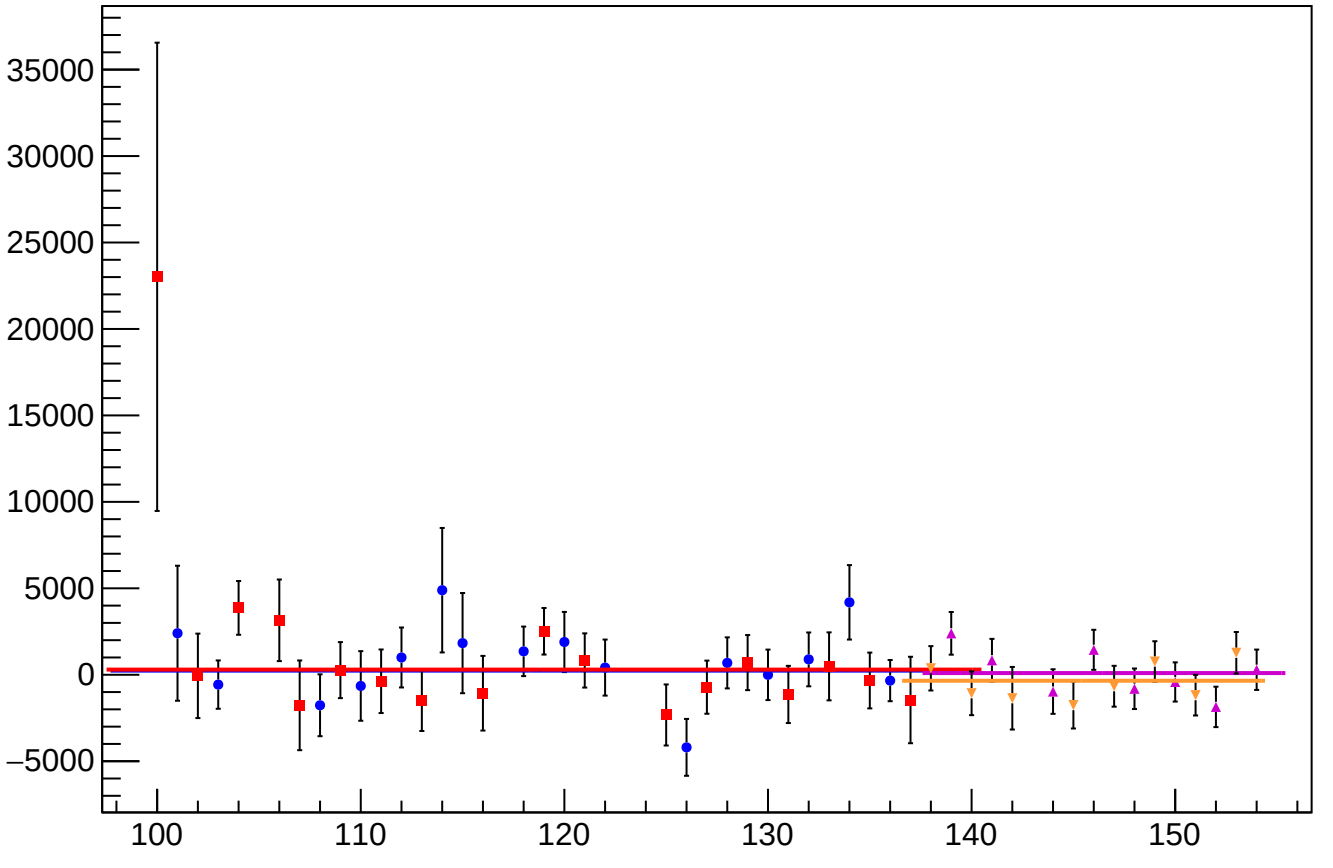
Left: 445.745+/-0.088 χ^2/NDF: 437493.7/15

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 427.547+/-0.084 χ^2/NDF:2131222.7/23

Out: 407.336+/-0.083 χ^2/NDF:2038349.8/25

All: 417.351+/-0.059 χ^2/NDF: 4199051.5/49



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -346.919+/-450.060 χ^2/NDF:5.3/7

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 98.410+/-421.494 χ^2/NDF:9.5/7

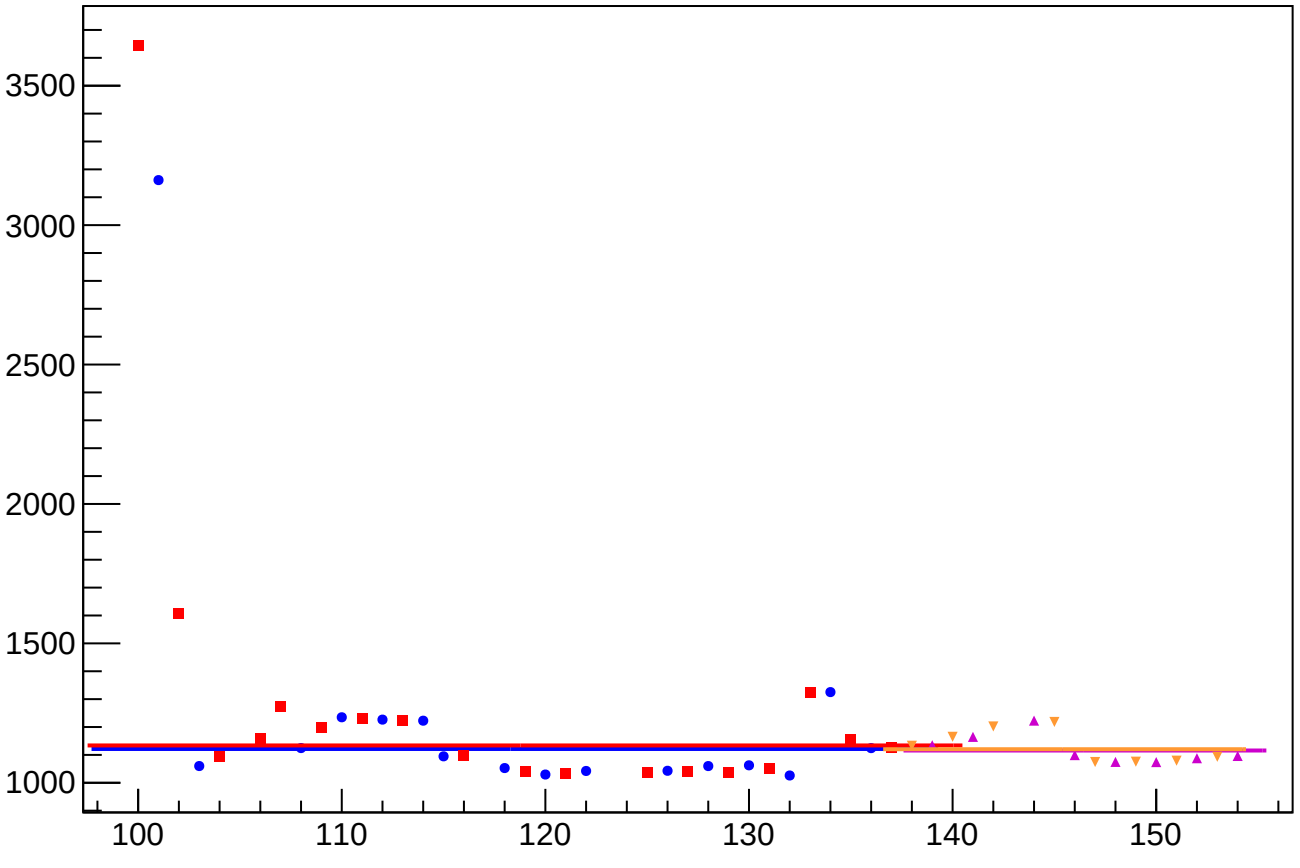
Left: -109.674+/-307.645 χ^2/NDF: 15.3/15

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 168.762+/-299.828 χ^2/NDF:26.5/23

Out: -9.859+/-311.195 χ^2/NDF:25.1/25

All: 82.774+/-215.917 χ^2/NDF: 51.7/49



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: 1115.789+/-0.298 χ^2/NDF:24630.6/7

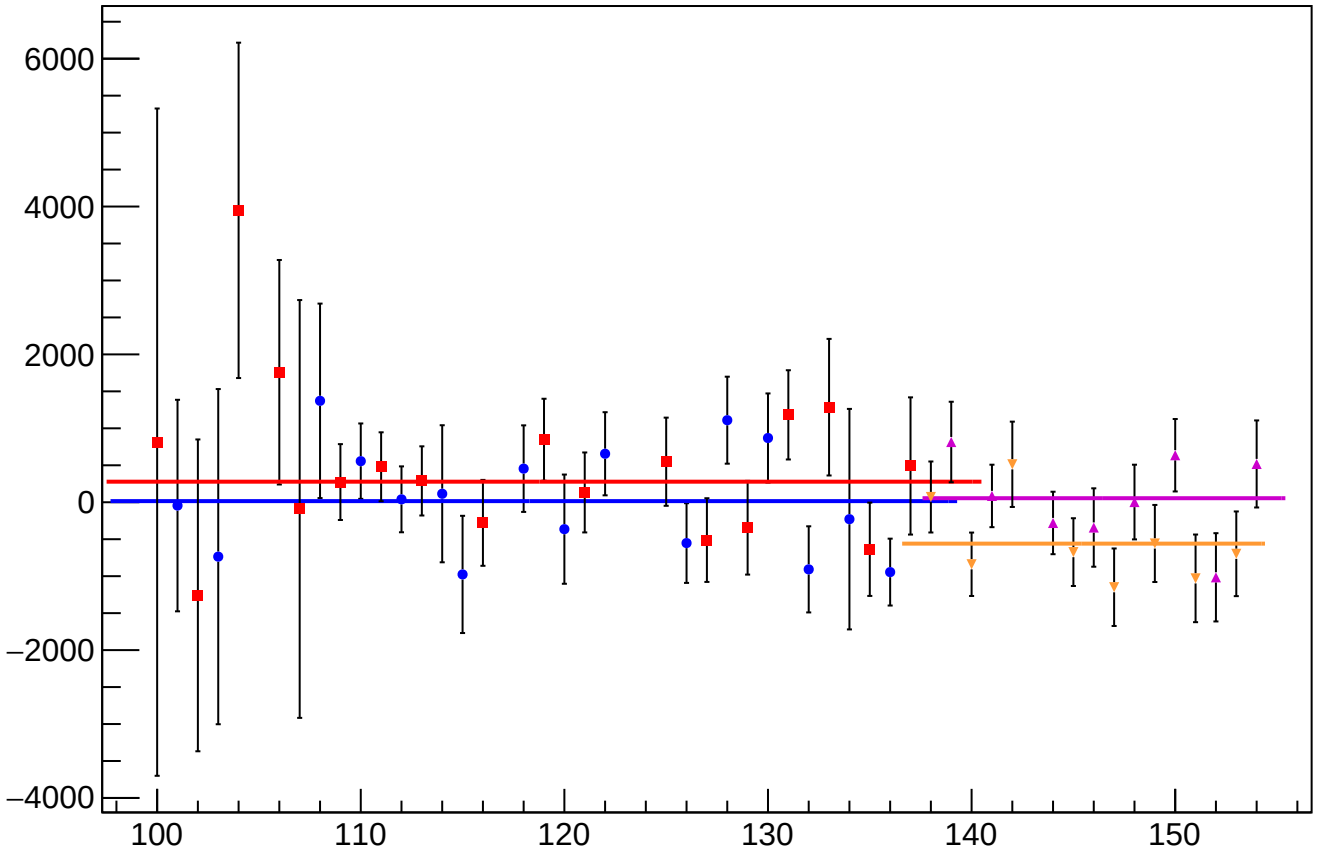
Left: 1117.924+/-0.218 χ^2/NDF: 51294.1/15

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1118.509+/-0.212 χ^2/NDF:641827.5/23

Out: 1127.440+/-0.220 χ^2/NDF:254960.0/25

All: 1122.808+/-0.153 χ^2/NDF: 897641.9/49


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
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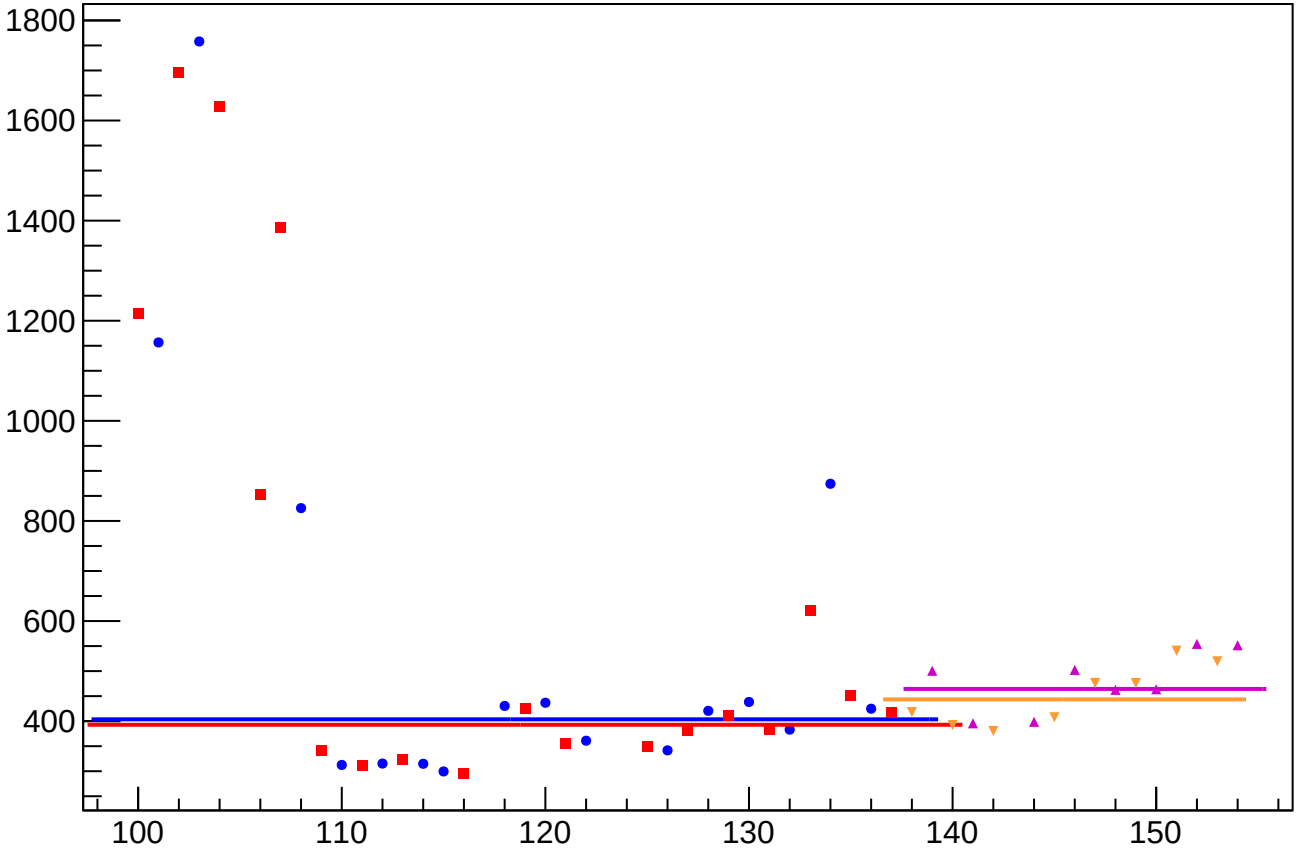
140
150
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -559.729+/-180.336 χ²/NDF:7.6/7
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: 54.669+/-177.033 χ²/NDF:8.4/7
Left: -246.851+/-126.333 χ²/NDF: 21.9/15
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: 33.219+/-119.451 χ²/NDF:28.0/23
Out: -87.810+/-119.191 χ²/NDF:34.8/25
All: -27.428+/-84.372 χ²/NDF: 63.4/49

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: 464.381+/-0.125 χ^2/NDF:209776.6/7

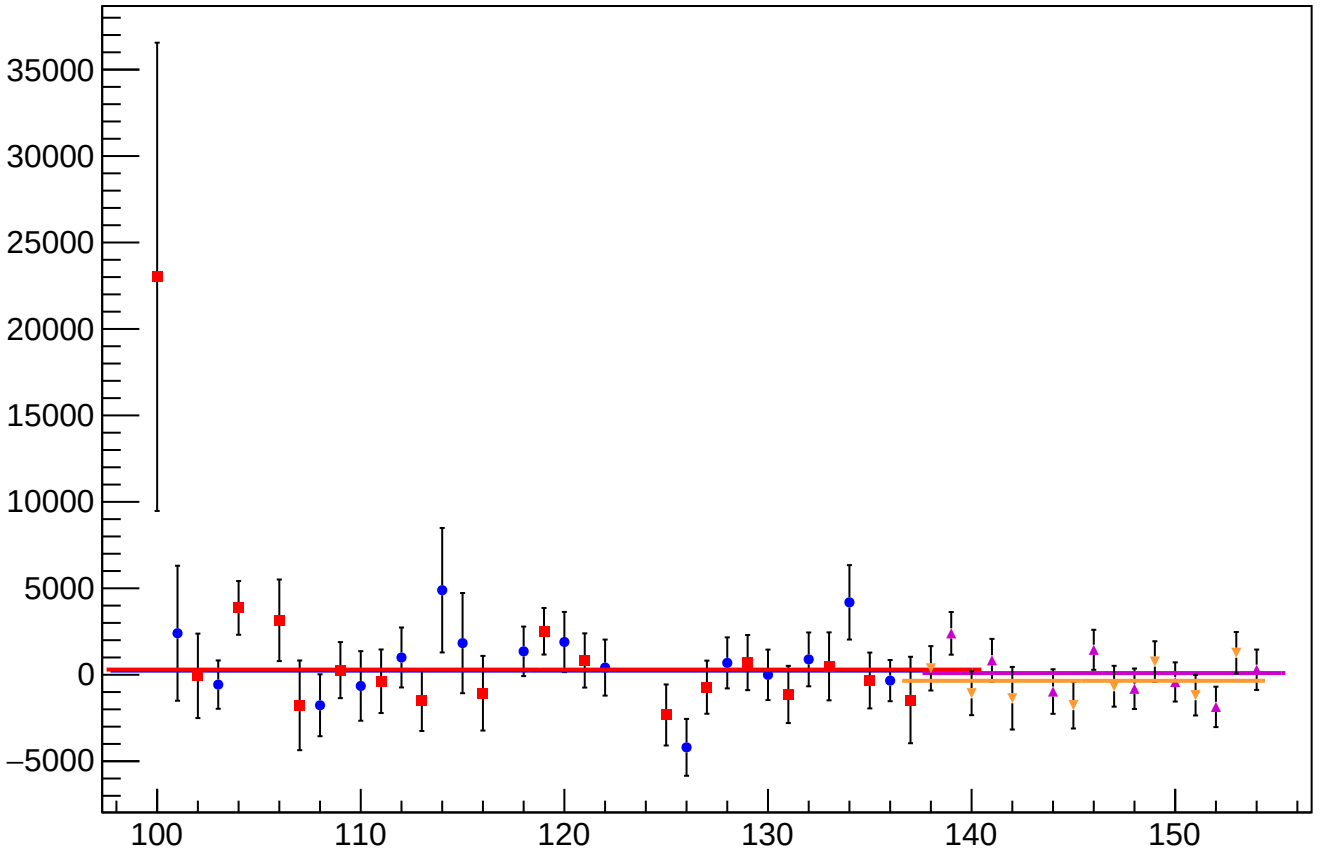
Left: 454.118+/-0.089 χ^2/NDF: 398636.7/15

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 431.302+/-0.084 χ^2/NDF:2267560.7/23

Out: 414.945+/-0.084 χ^2/NDF:2467460.0/25

All: 423.106+/-0.060 χ^2/NDF: 4753813.4/49



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: 98.409+/-421.494 χ^2/NDF:9.5/7

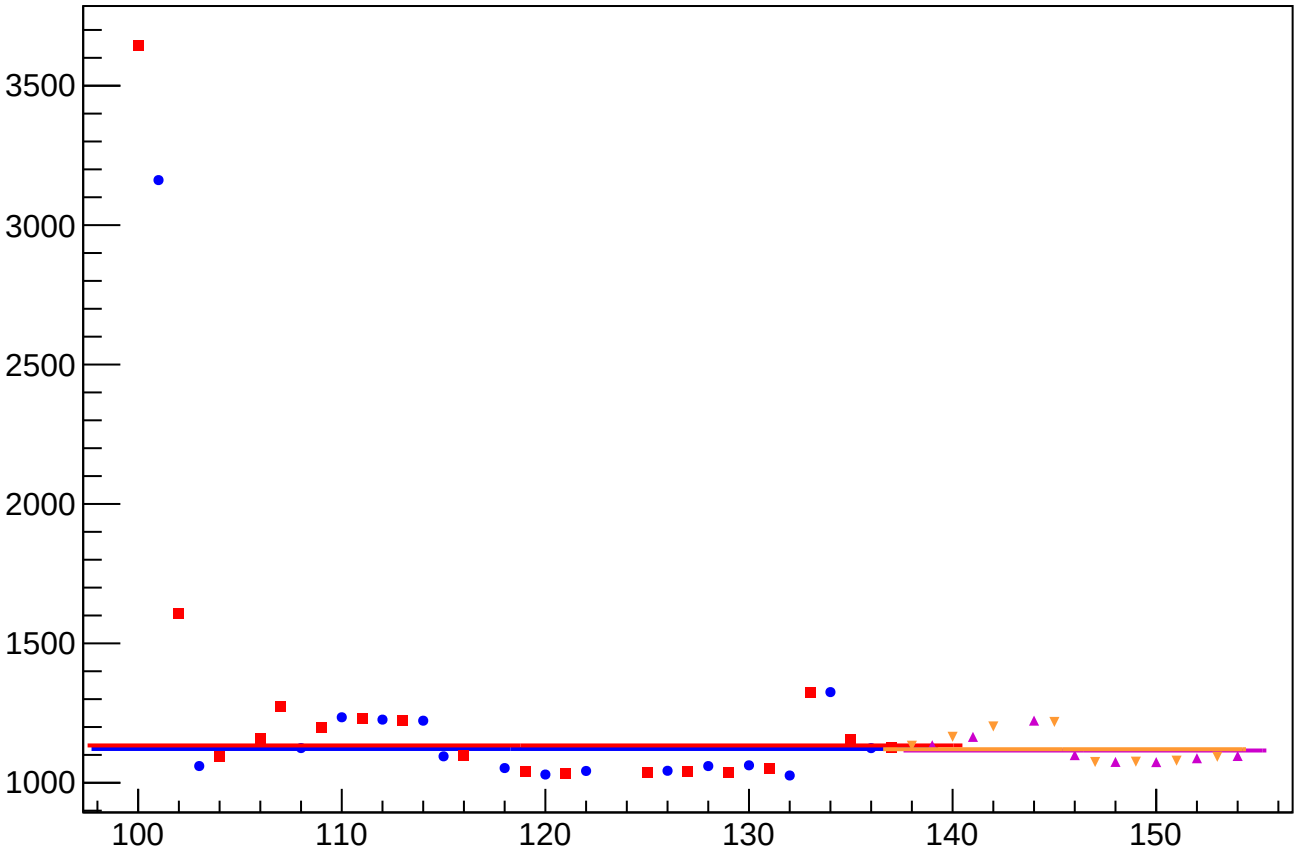
Left: -109.677+/-307.645 χ^2/NDF: 15.3/15

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 168.763+/-299.828 χ^2/NDF:26.5/23

Out: -9.862+/-311.195 χ^2/NDF:25.1/25

All: 82.773+/-215.917 χ^2/NDF: 51.7/49



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: 1115.789+/-0.298 χ^2/NDF:24630.7/7

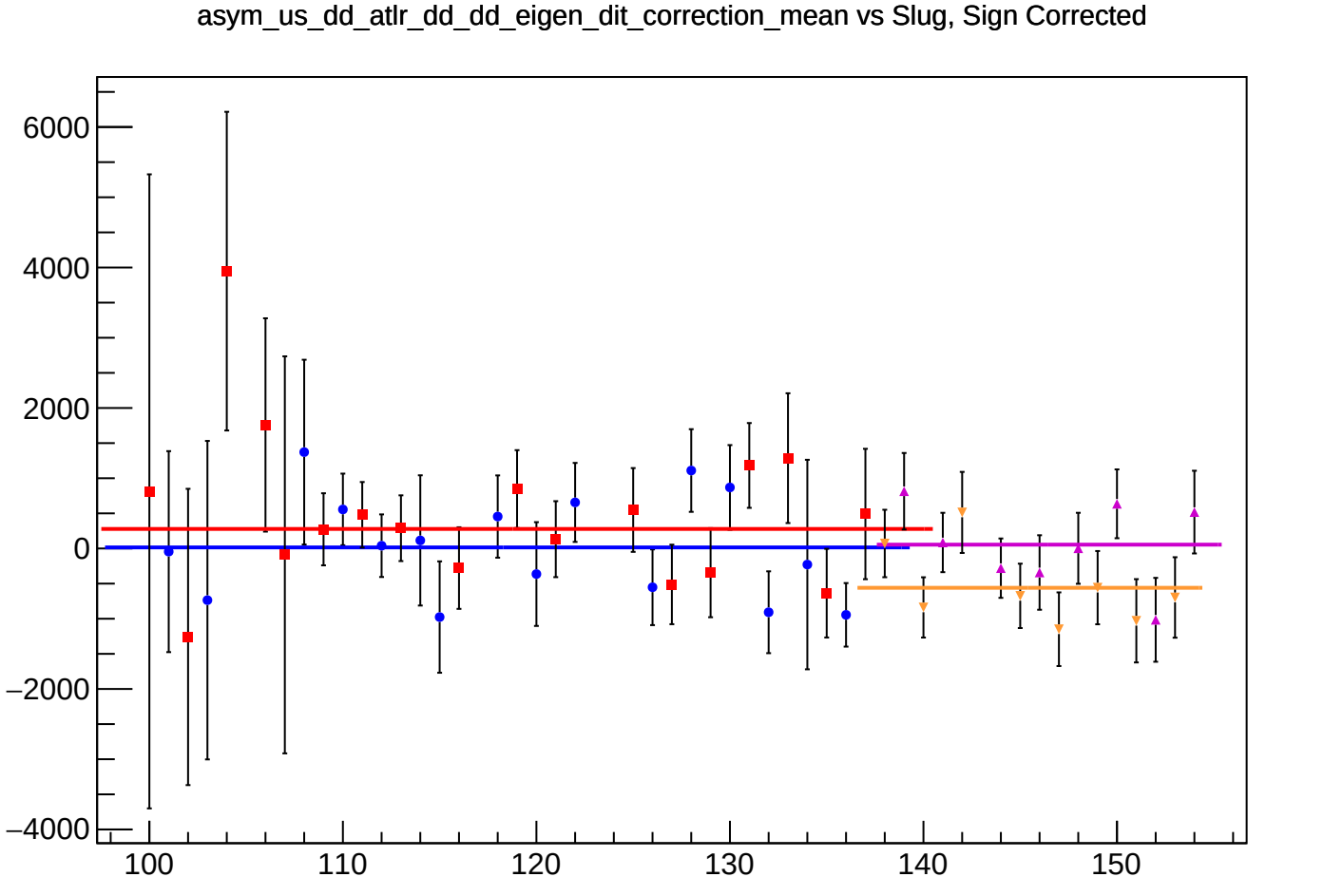
Left: 1117.924+/-0.218 χ^2/NDF: 51294.2/15

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1118.509+/-0.212 χ^2/NDF:641827.5/23

Out: 1127.440+/-0.220 χ^2/NDF:254960.1/25

All: 1122.808+/-0.153 χ^2/NDF: 897642.1/49


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
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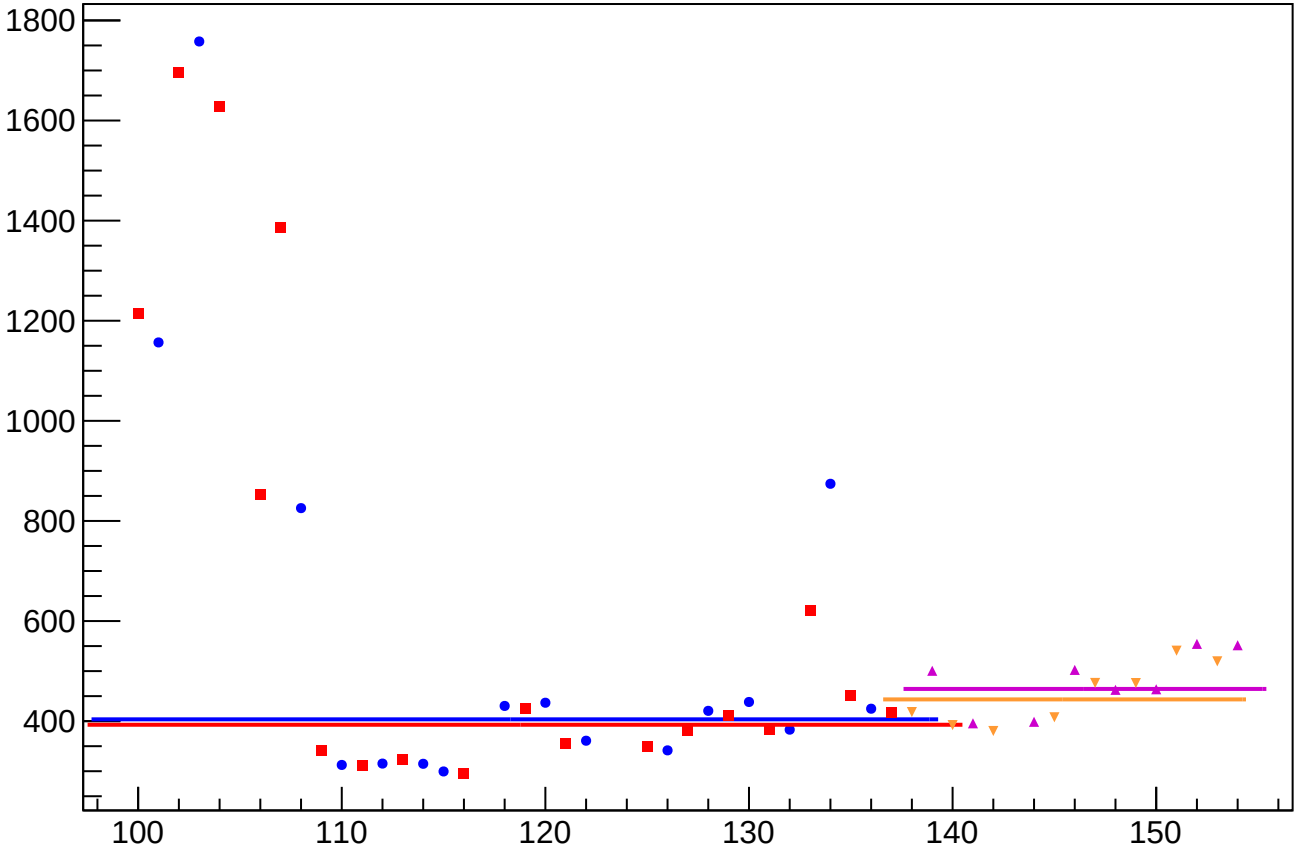
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -559.737+/-180.336 χ²/NDF:7.6/7
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 54.673+/-177.034 χ²/NDF:8.4/7
Left: -246.854+/-126.333 χ²/NDF: 21.9/15
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 33.218+/-119.451 χ²/NDF:28.0/23
Out: -87.811+/-119.190 χ²/NDF:34.8/25
All: -27.429+/-84.372 χ²/NDF: 63.4/49

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: 464.383+/-0.125 χ^2/NDF:209782.5/7

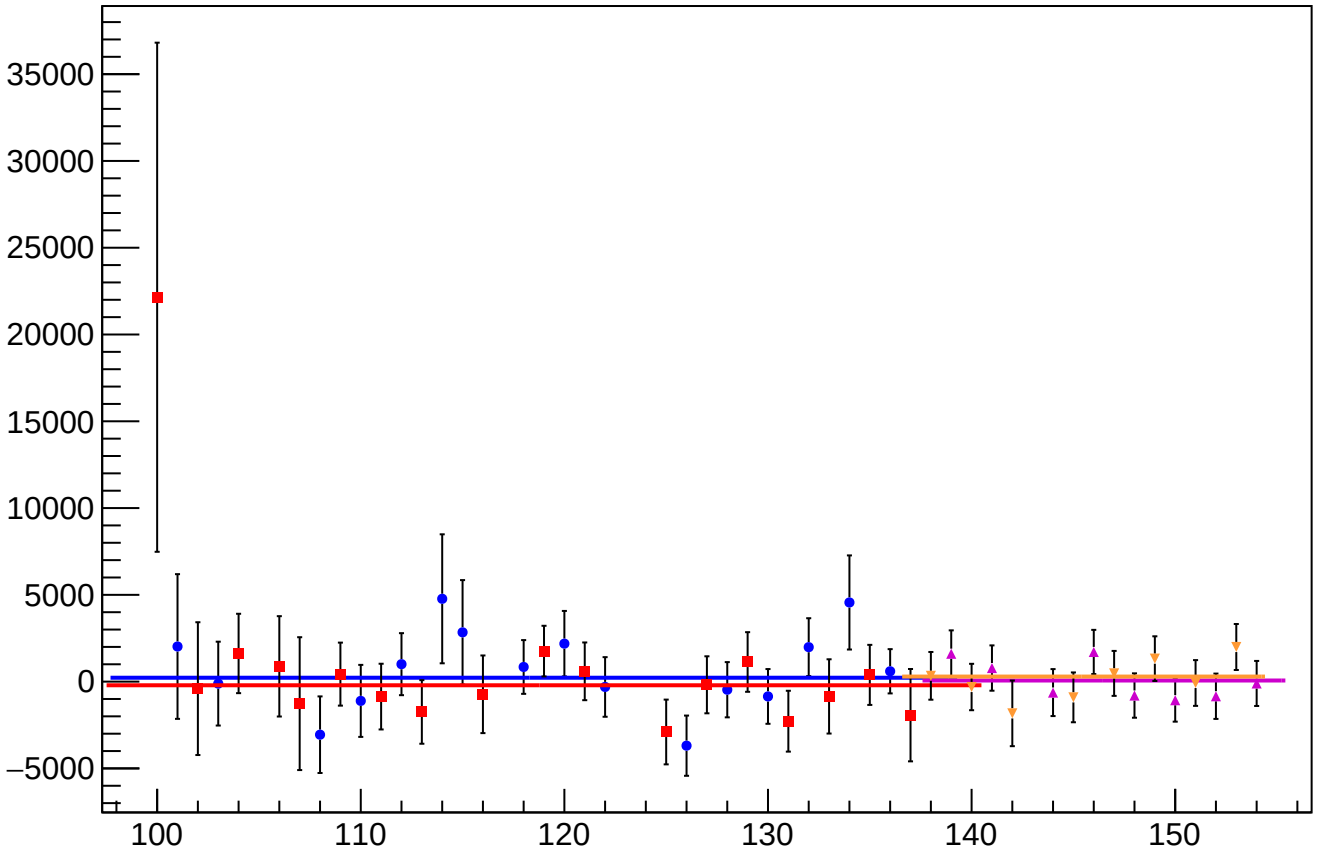
Left: 454.119+/-0.089 χ^2/NDF: 398650.8/15

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 431.301+/-0.084 χ^2/NDF:2267586.0/23

Out: 414.943+/-0.084 χ^2/NDF:2467486.0/25

All: 423.105+/-0.060 χ^2/NDF: 4753866.7/49



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: 64.711+/-458.925 χ^2/NDF:5.3/7

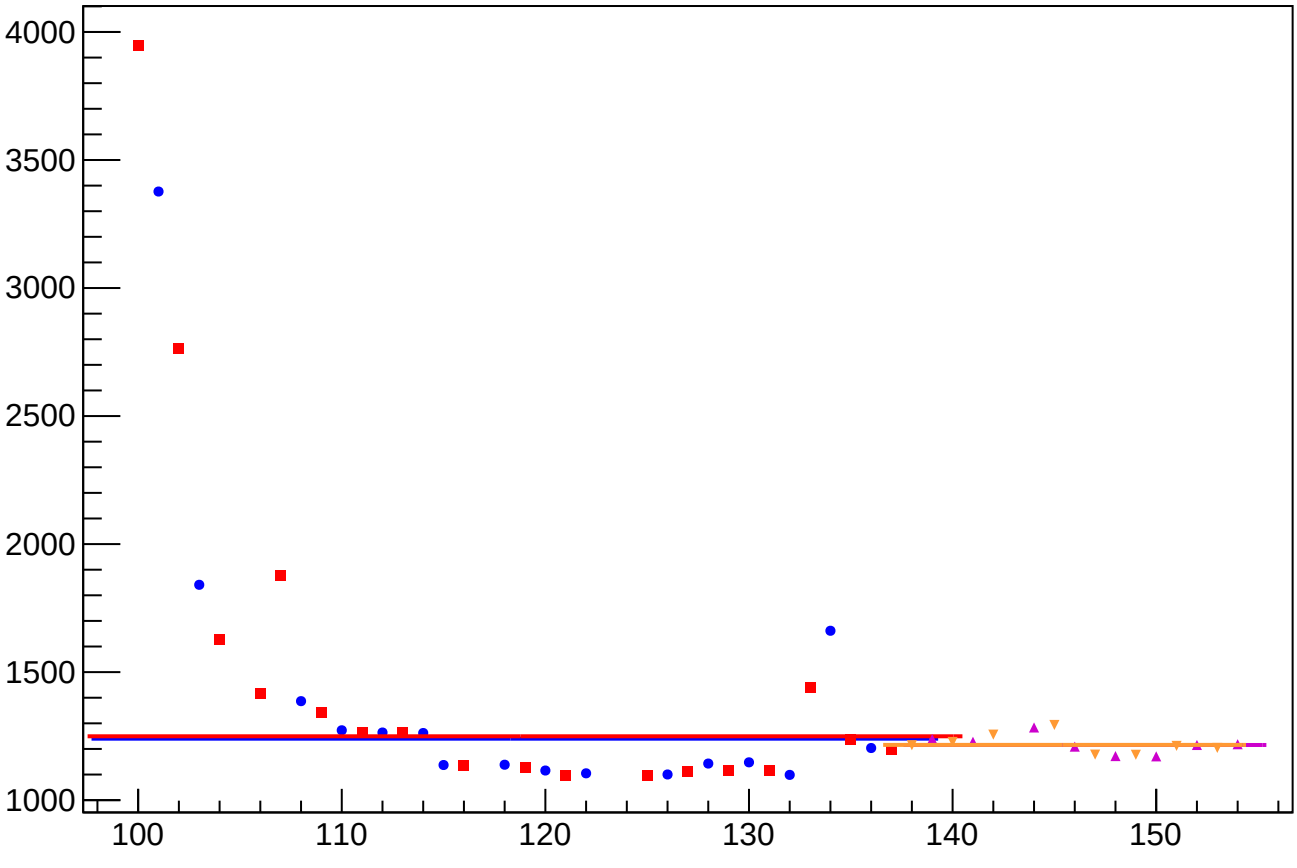
Left: 171.175+/-334.333 χ^2/NDF: 10.0/15

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 142.083+/-329.897 χ^2/NDF:21.5/23

Out: 35.605+/-341.431 χ^2/NDF:16.0/25

All: 90.673+/-237.245 χ^2/NDF: 37.6/49



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: 1215.442+/-0.325 χ^2/NDF:10840.2/7

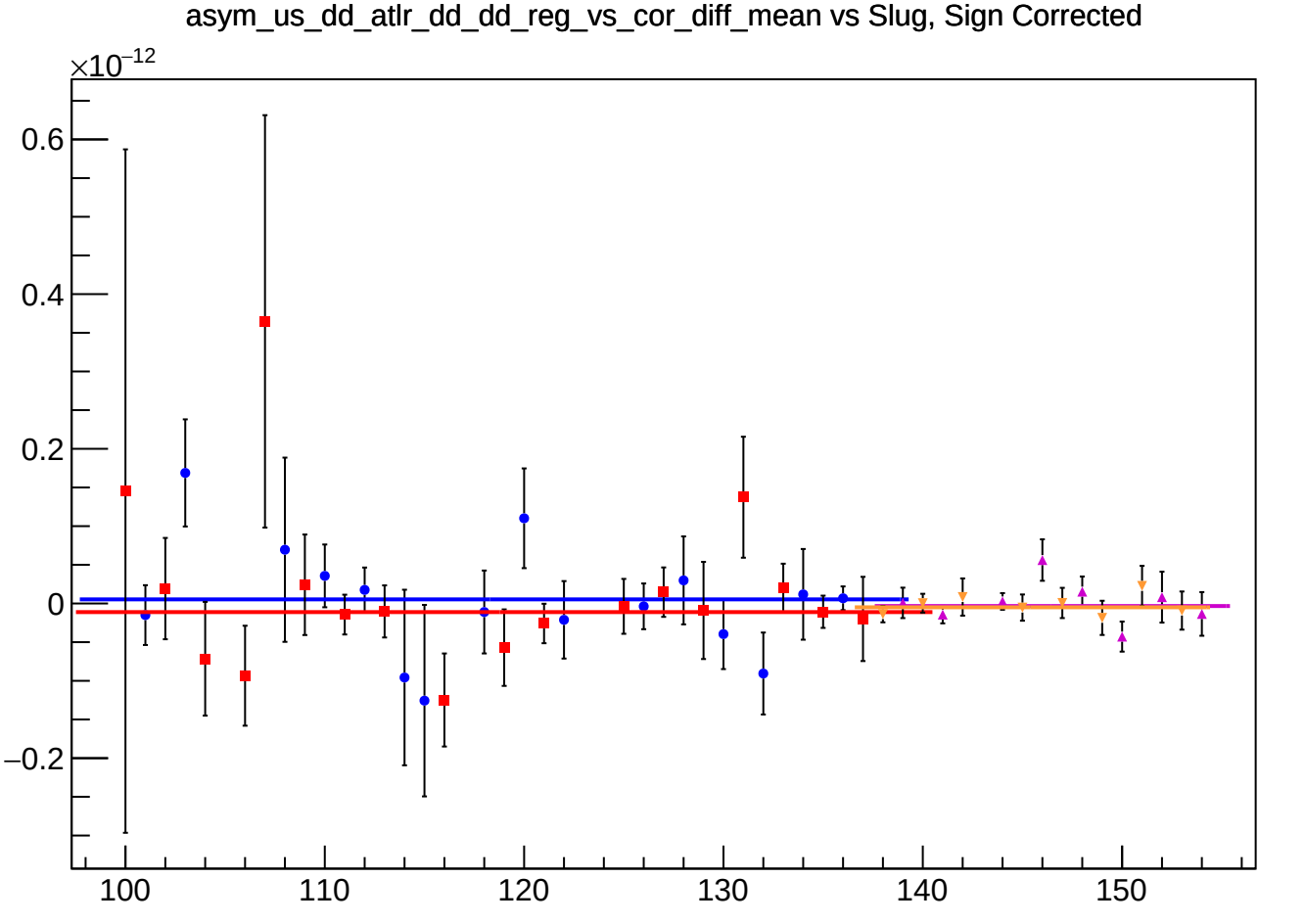
Left: 1215.595+/-0.236 χ^2/NDF: 21455.0/15

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1227.377+/-0.233 χ^2/NDF:796319.2/23

Out: 1232.946+/-0.241 χ^2/NDF:621565.5/25

All: 1230.066+/-0.168 χ^2/NDF: 1418159.9/49



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:11.5/7

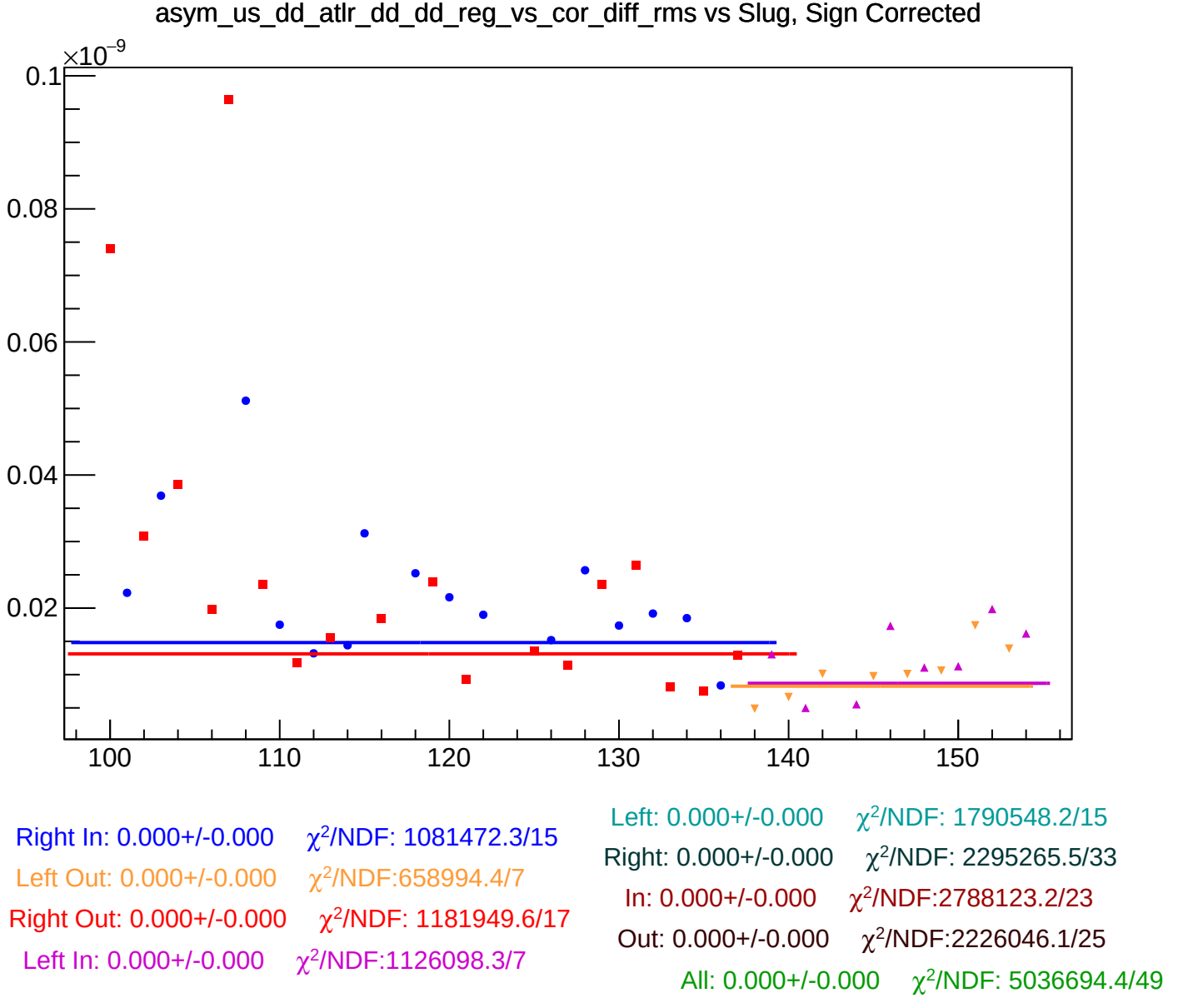
Left: -0.000+/-0.000 χ^2/NDF: 14.4/15

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:28.5/23

Out: -0.000+/-0.000 χ^2/NDF:18.2/25

All: -0.000+/-0.000 χ^2/NDF: 47.3/49


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
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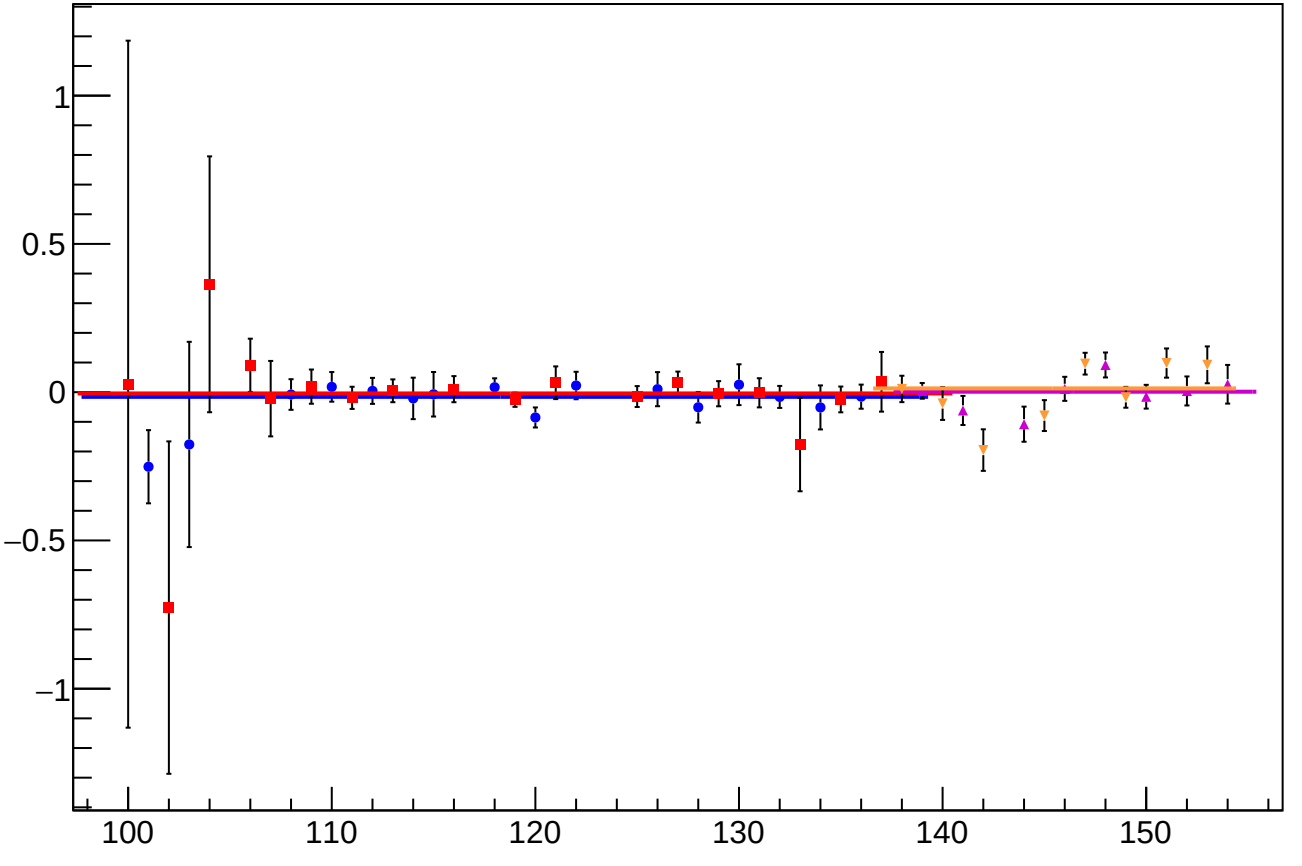
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1081472.3/15
Left Out: 0.000+/-0.000 χ²/NDF:658994.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 1181949.6/17
Left In: 0.000+/-0.000 χ²/NDF:1126098.3/7
Left: 0.000+/-0.000 χ²/NDF: 1790548.2/15
Right: 0.000+/-0.000 χ²/NDF: 2295265.5/33
In: 0.000+/-0.000 χ²/NDF:2788123.2/23
Out: 0.000+/-0.000 χ²/NDF:2226046.1/25
All: 0.000+/-0.000 χ²/NDF: 5036694.4/49

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: 0.002+/-0.015 χ^2/NDF:10.1/7

Left: 0.006+/-0.011 χ^2/NDF: 33.6/15

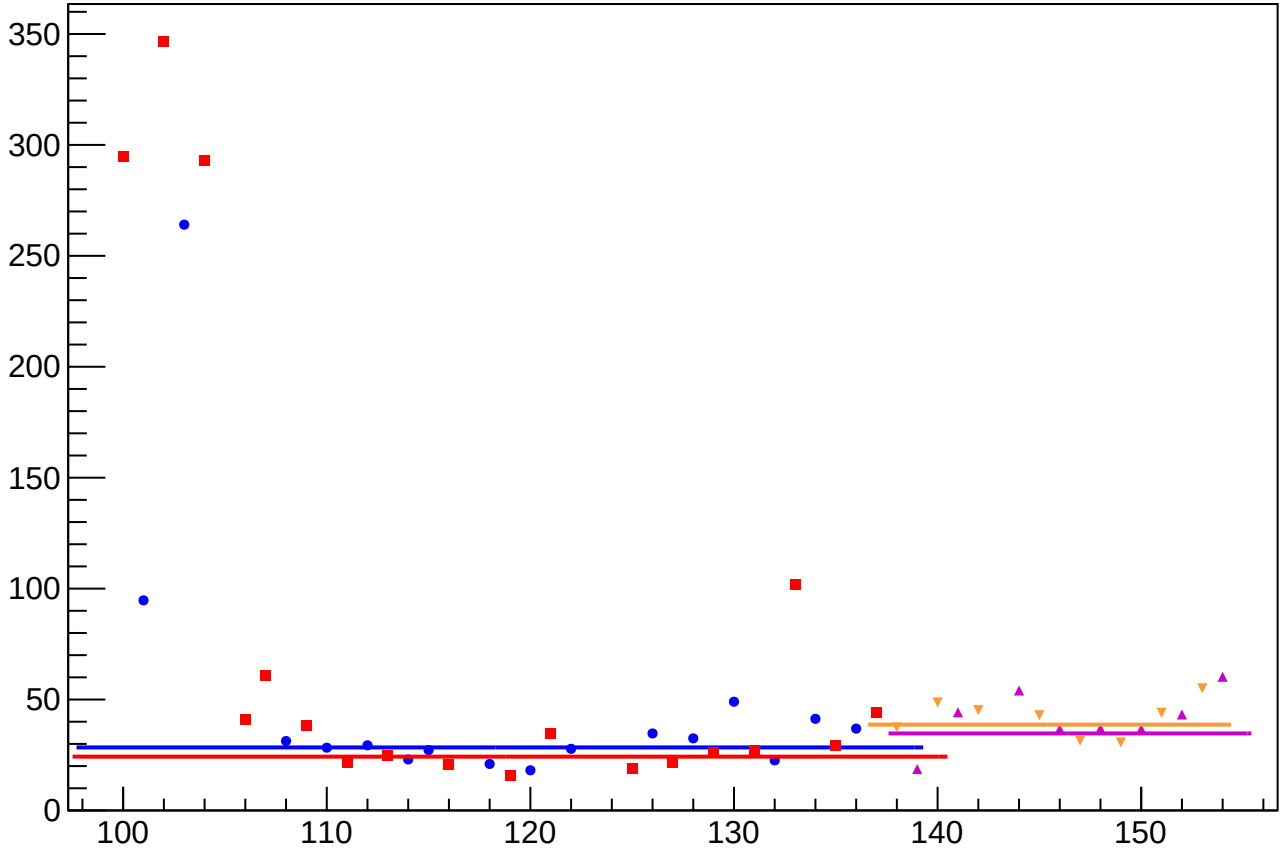
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.009 χ^2/NDF:22.8/23

Out: 0.001+/-0.009 χ^2/NDF:31.8/25

All: -0.004+/-0.007 χ^2/NDF: 55.2/49

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.684+/-0.012 χ^2/NDF:441938.6/7

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.716+/-0.010 χ^2/NDF:1406778.3/7

Left: 36.471+/-0.008 χ^2/NDF: 1912397.2/15

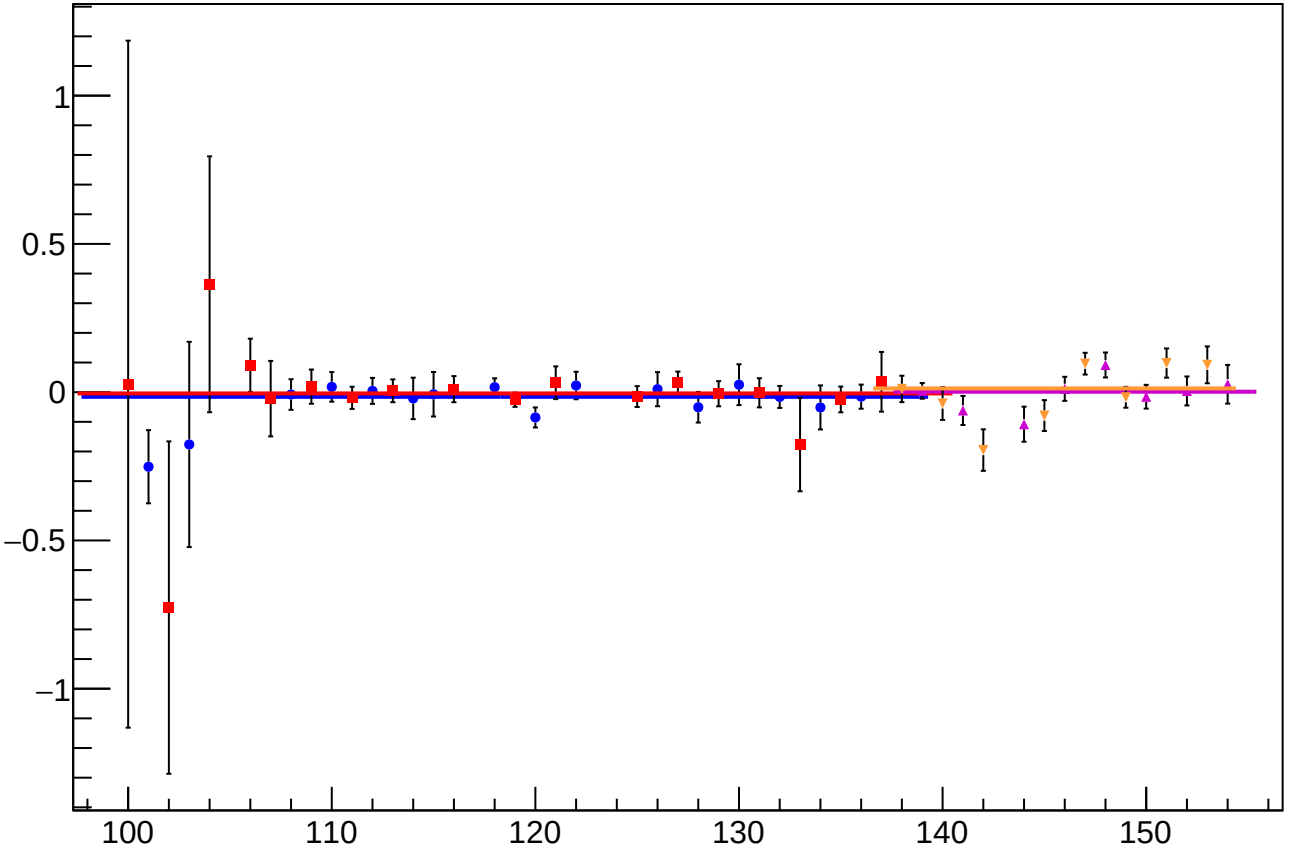
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 30.991+/-0.007 χ^2/NDF:3867250.1/23

Out: 28.897+/-0.007 χ^2/NDF:4379261.8/25

All: 29.940+/-0.005 χ^2/NDF: 8295736.0/49

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: 0.002+/-0.015 χ^2/NDF:10.1/7

Left: 0.006+/-0.011 χ^2/NDF: 33.6/15

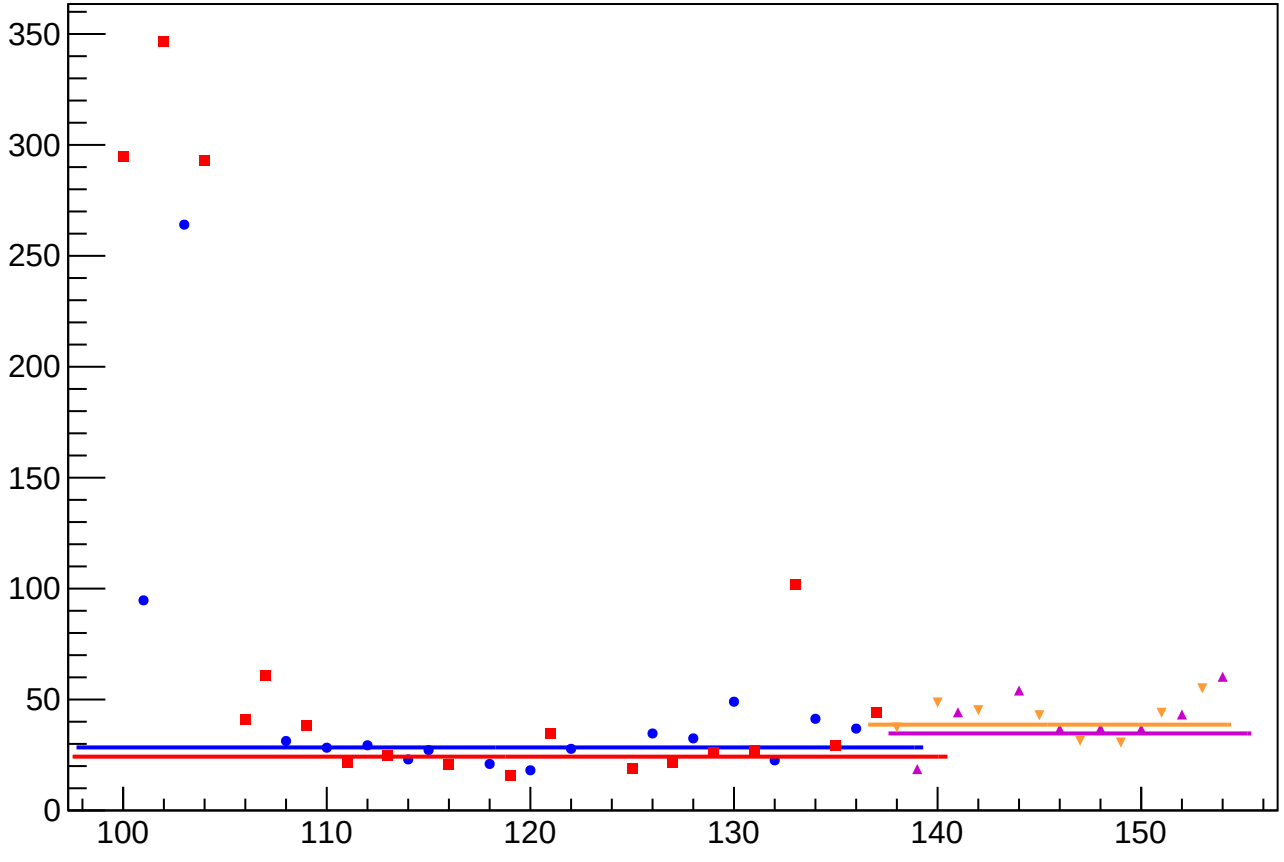
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.009 χ^2/NDF:22.8/23

Out: 0.001+/-0.009 χ^2/NDF:31.8/25

All: -0.004+/-0.007 χ^2/NDF: 55.2/49

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: 34.716+/-0.010 χ^2/NDF:1406778.3/7

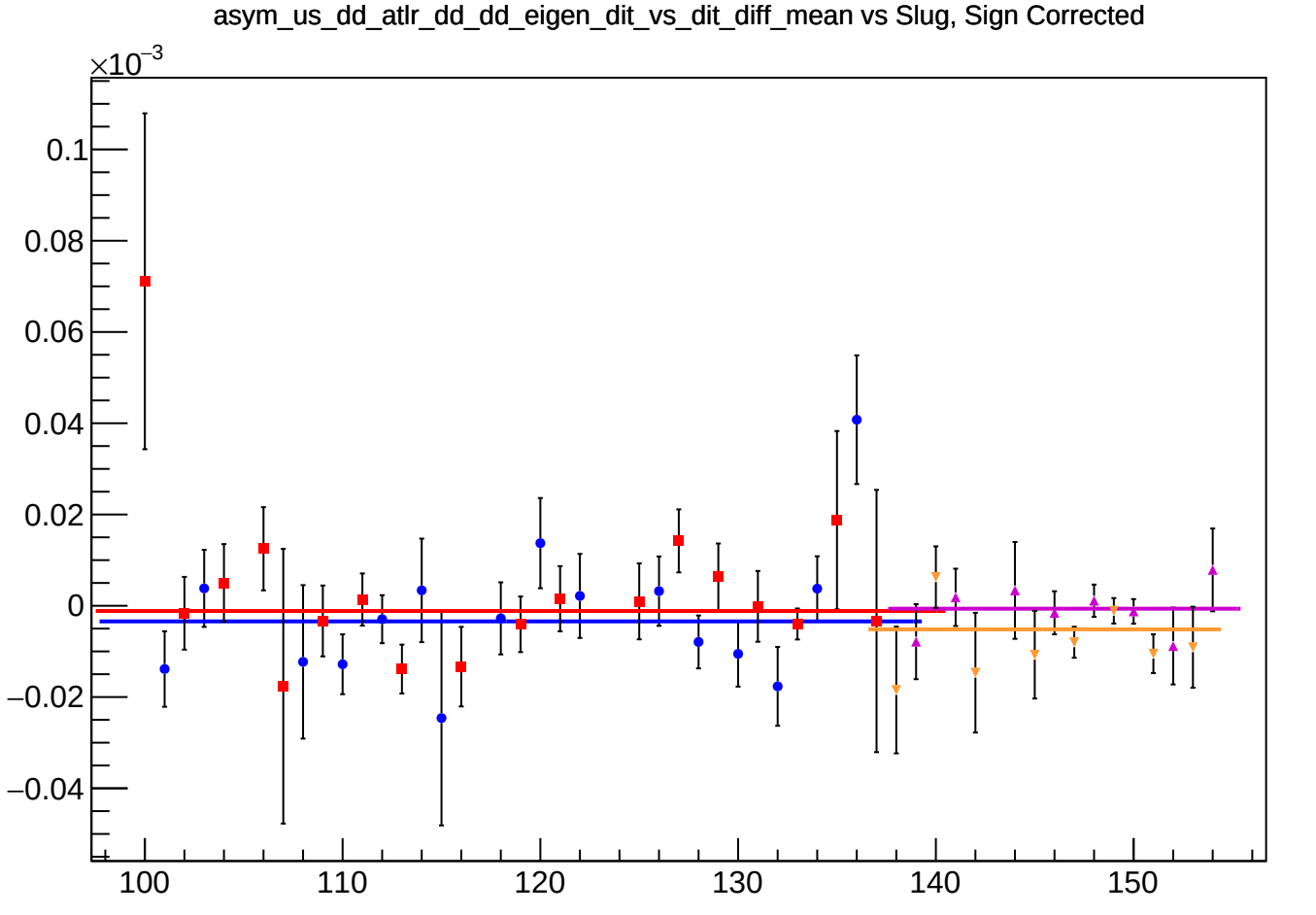
Left: 36.471+/-0.008 χ^2/NDF: 1912397.2/15

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 30.991+/-0.007 χ^2/NDF:3867250.1/23

Out: 28.897+/-0.007 χ^2/NDF:4379261.8/25

All: 29.940+/-0.005 χ^2/NDF: 8295736.0/49


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
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−0.02
−0.04
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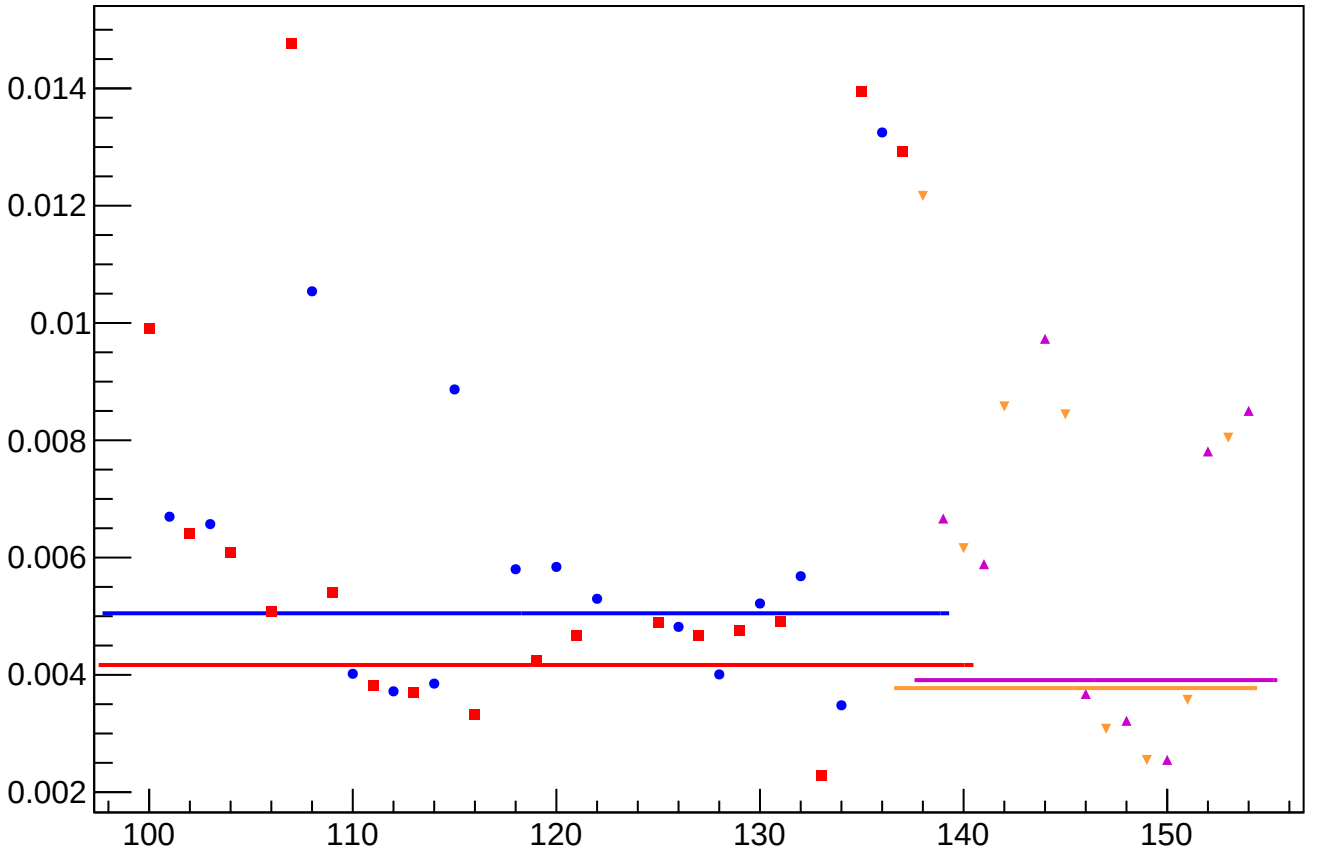
140
150
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:9.3/7
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:3.2/7
Left: -0.000+/-0.000 χ²/NDF: 15.9/15
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:29.4/23
Out: -0.000+/-0.000 χ²/NDF:35.0/25
All: -0.000+/-0.000 χ²/NDF: 64.9/49



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:2558215.5/7

Left: 0.004+/-0.000 χ^2/NDF: 5224922.0/15

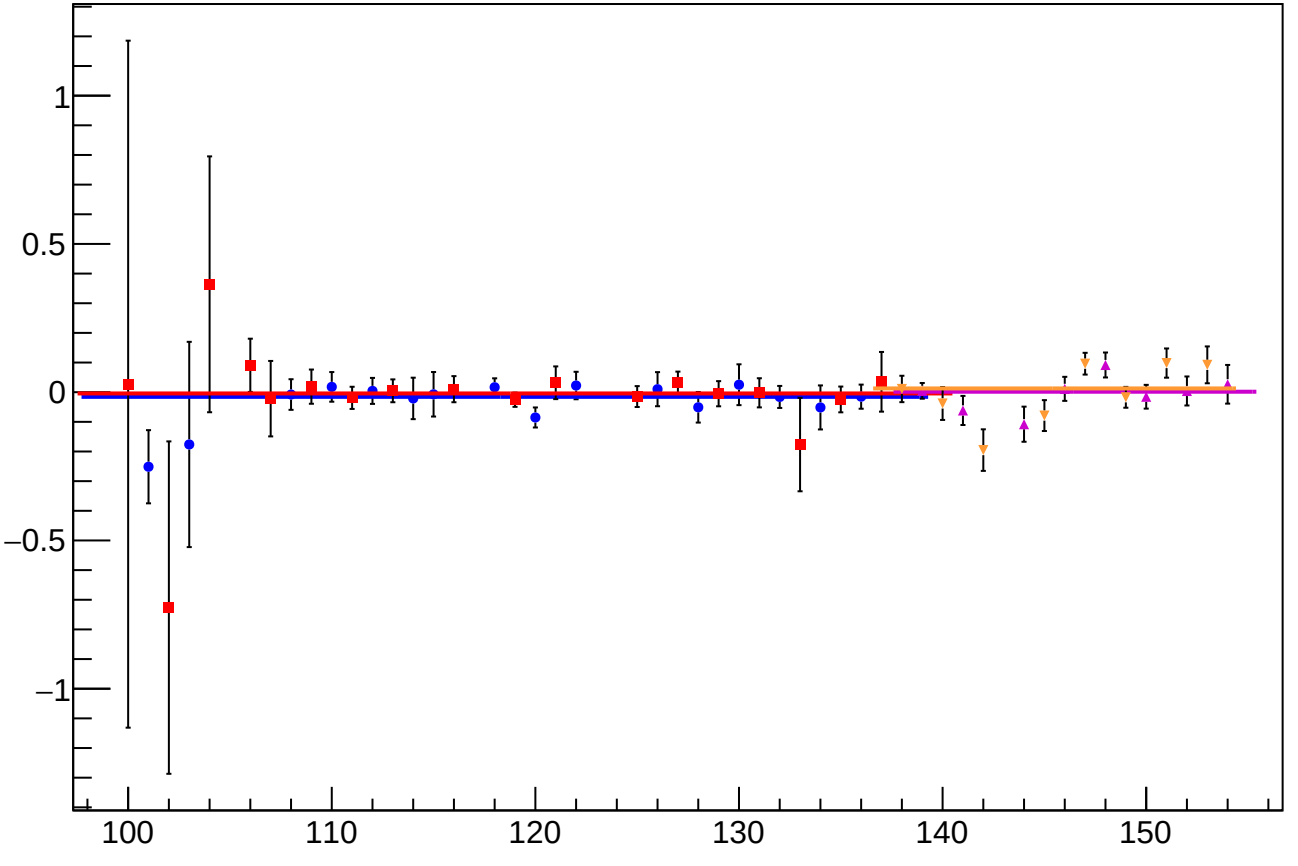
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:4420492.0/23

Out: 0.004+/-0.000 χ^2/NDF:4754828.9/25

All: 0.004+/-0.000 χ^2/NDF: 9280830.3/49

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: 0.002+/-0.015 χ^2/NDF:10.1/7

Left: 0.006+/-0.011 χ^2/NDF: 33.6/15

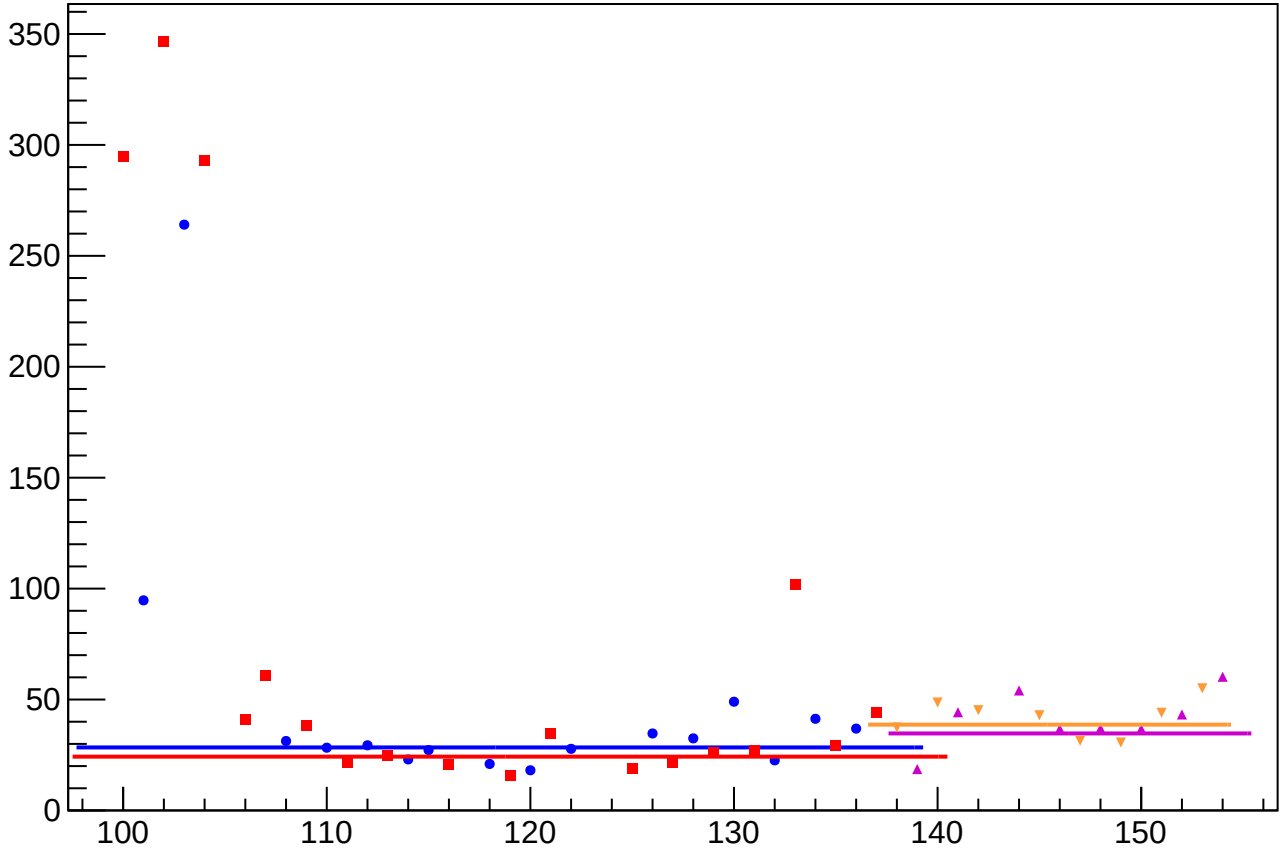
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.009 χ^2/NDF:22.8/23

Out: 0.001+/-0.009 χ^2/NDF:31.8/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/49

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: 34.714+/-0.010 χ^2/NDF:1407297.7/7

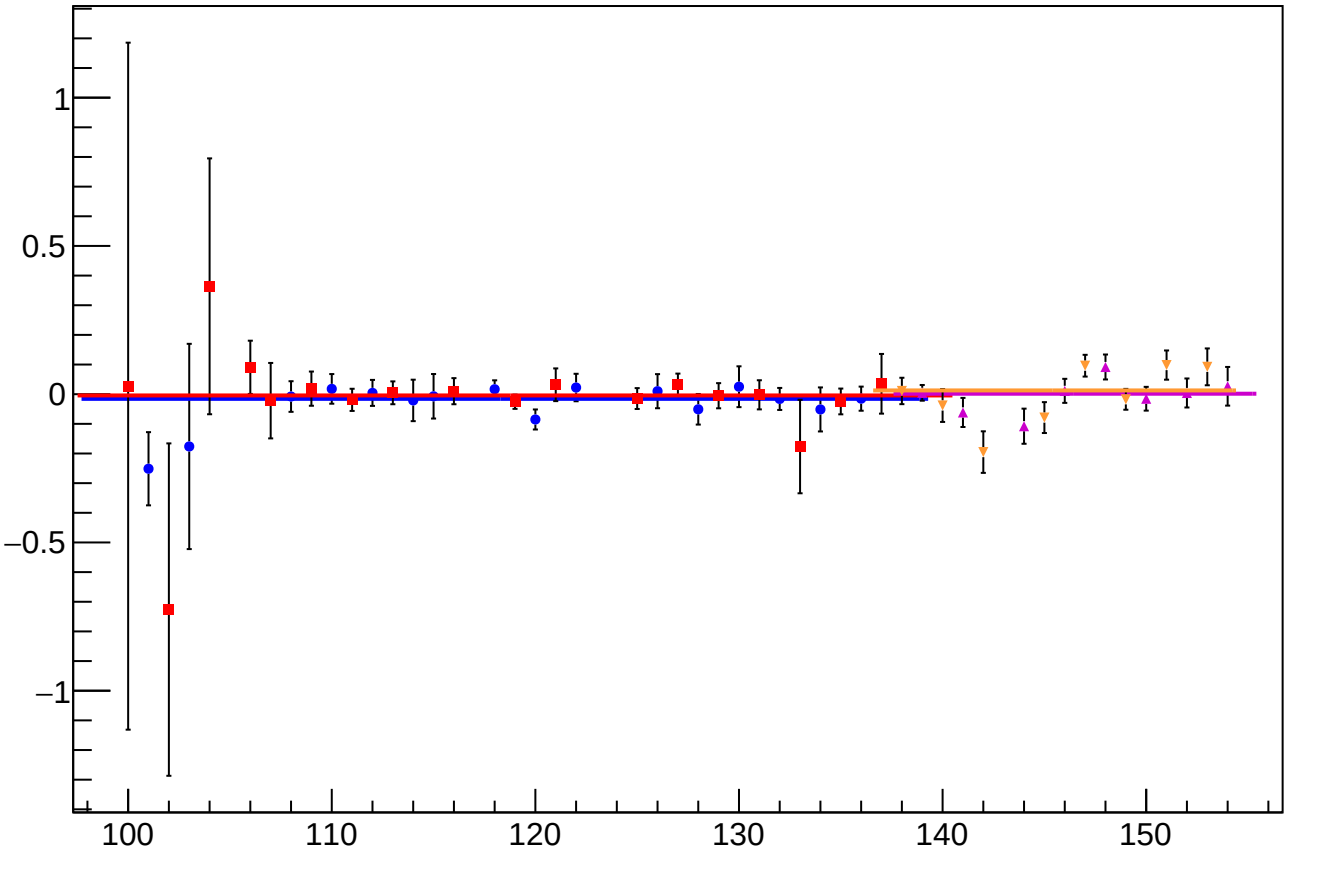
Left: 36.469+/-0.008 χ^2/NDF: 1913157.2/15

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 30.991+/-0.007 χ^2/NDF:3867656.1/23

Out: 28.895+/-0.007 χ^2/NDF:4379830.6/25

All: 29.939+/-0.005 χ^2/NDF: 8296751.6/49



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: 0.002+/-0.015 χ^2/NDF:10.1/7

Left: 0.006+/-0.011 χ^2/NDF: 33.6/15

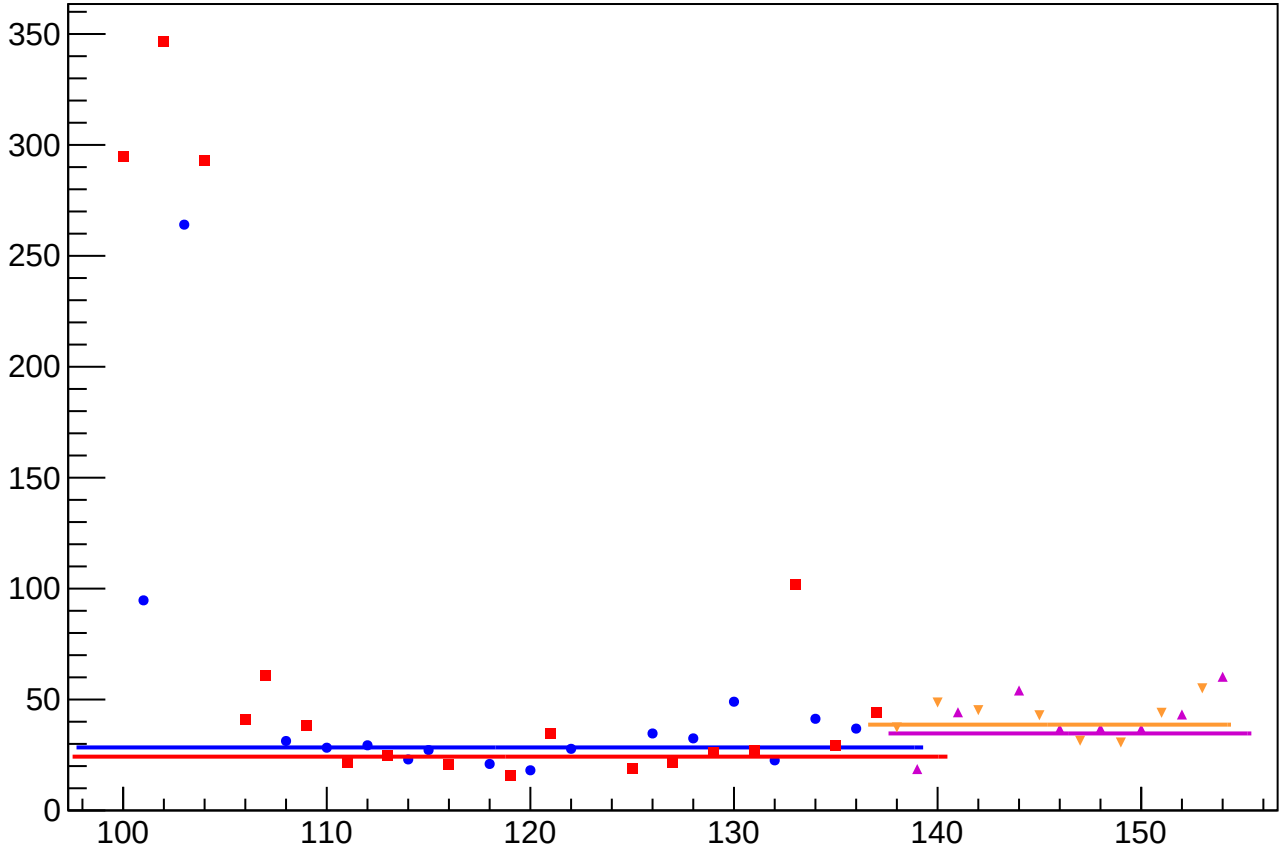
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.009 χ^2/NDF:22.8/23

Out: 0.001+/-0.009 χ^2/NDF:31.8/25

All: -0.004+/-0.007 χ^2/NDF: 55.1/49

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: 34.714+/-0.010 χ^2/NDF:1407297.7/7

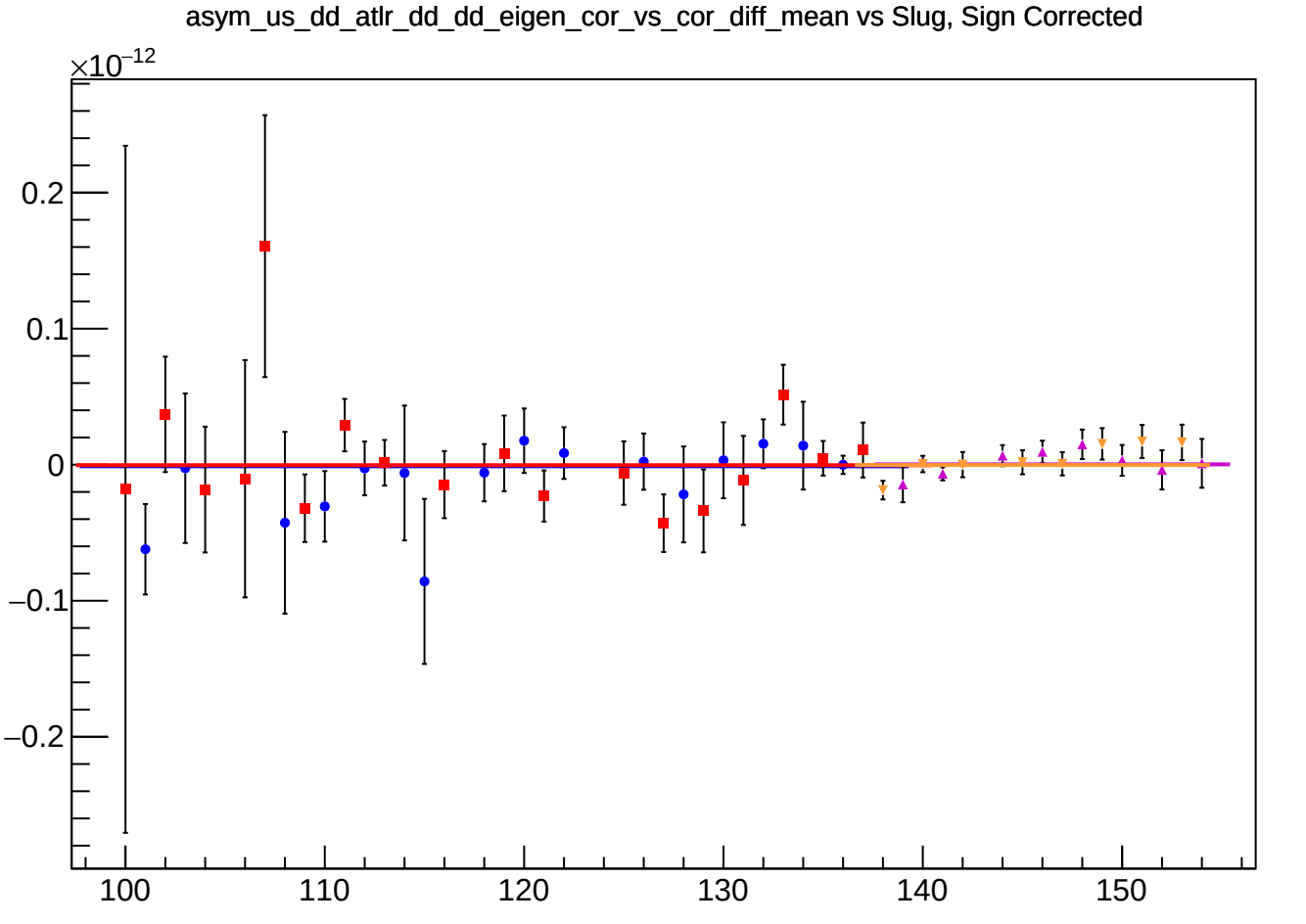
Left: 36.469+/-0.008 χ^2/NDF: 1913157.2/15

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

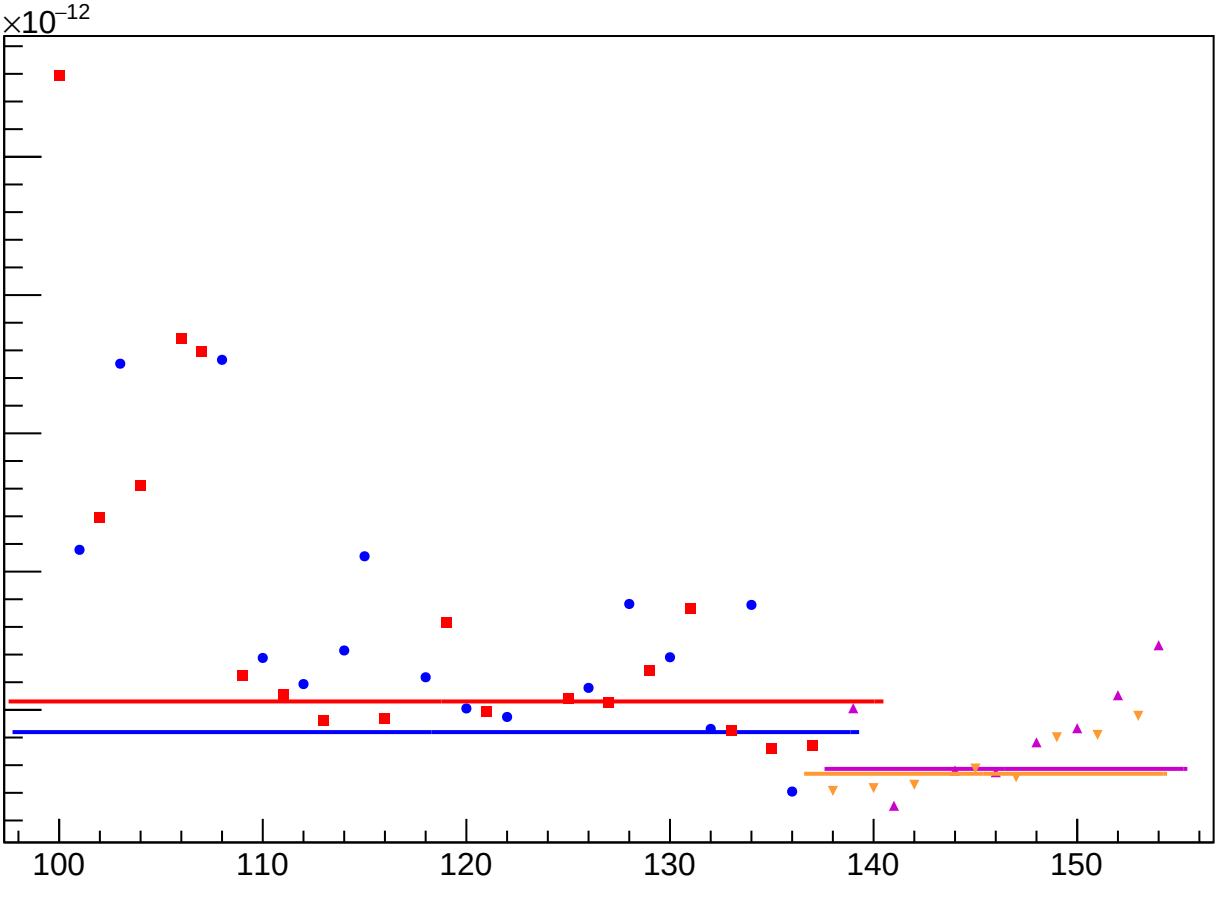
In: 30.991+/-0.007 χ^2/NDF:3867656.1/23

Out: 28.895+/-0.007 χ^2/NDF:4379830.6/25

All: 29.939+/-0.005 χ^2/NDF: 8296751.6/49


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 9.4/15
Left Out: -0.000+/-0.000 χ²/NDF:12.8/7
Right Out: -0.000+/-0.000 χ²/NDF: 21.1/17
Left In: 0.000+/-0.000 χ²/NDF:7.2/7
Left: 0.000+/-0.000 χ²/NDF: 20.0/15
Right: -0.000+/-0.000 χ²/NDF: 30.5/33
In: -0.000+/-0.000 χ²/NDF:16.7/23
Out: -0.000+/-0.000 χ²/NDF:33.9/25
All: -0.000+/-0.000 χ²/NDF: 50.6/49

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:564037.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1792998.8/7

Left: 0.000+/-0.000 χ^2/NDF: 2370201.3/15

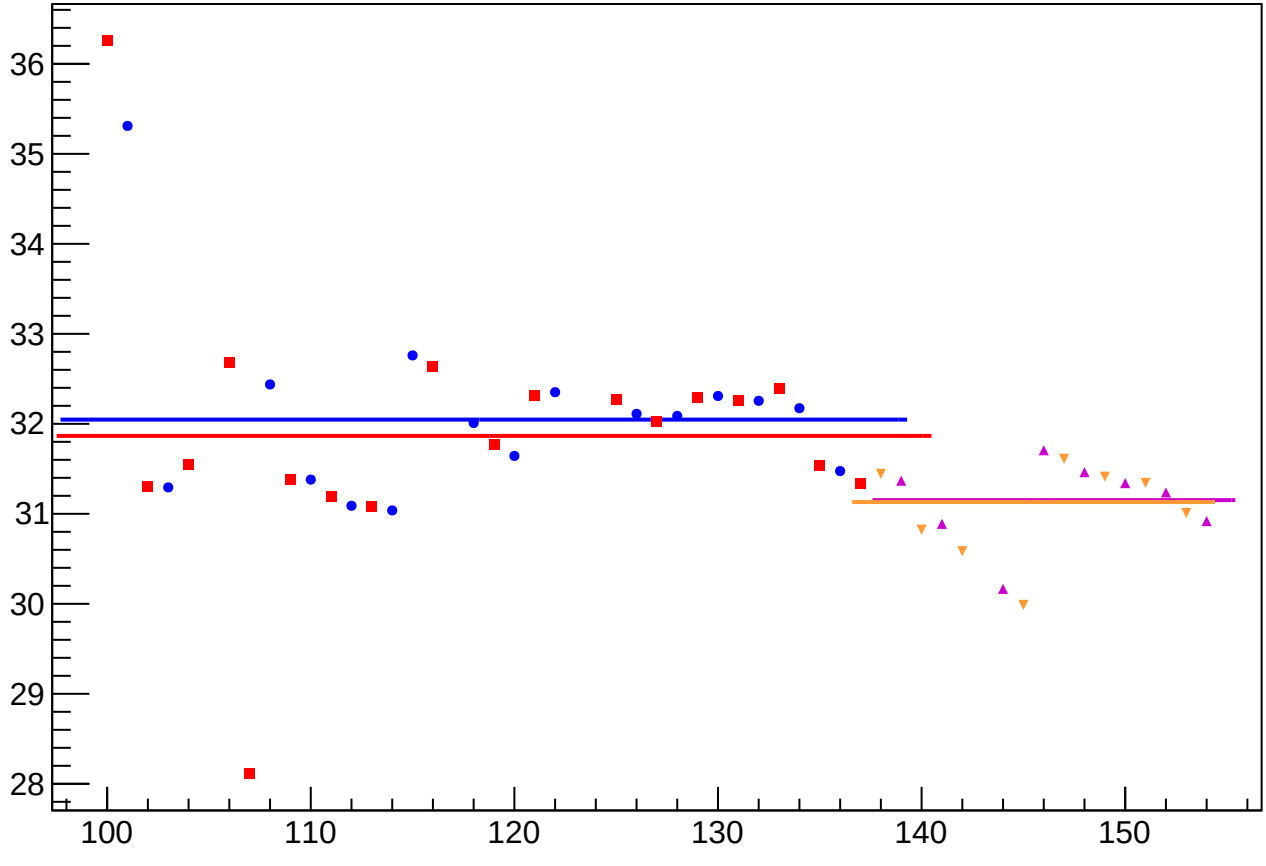
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:4938982.8/23

Out: 0.000+/-0.000 χ^2/NDF:3136842.6/25

All: 0.000+/-0.000 χ^2/NDF: 8076205.5/49

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: 31.152+/-0.000 χ^2/NDF:180553405.5/7

Left: 31.142+/-0.000 χ^2/NDF: 366660656.8/15

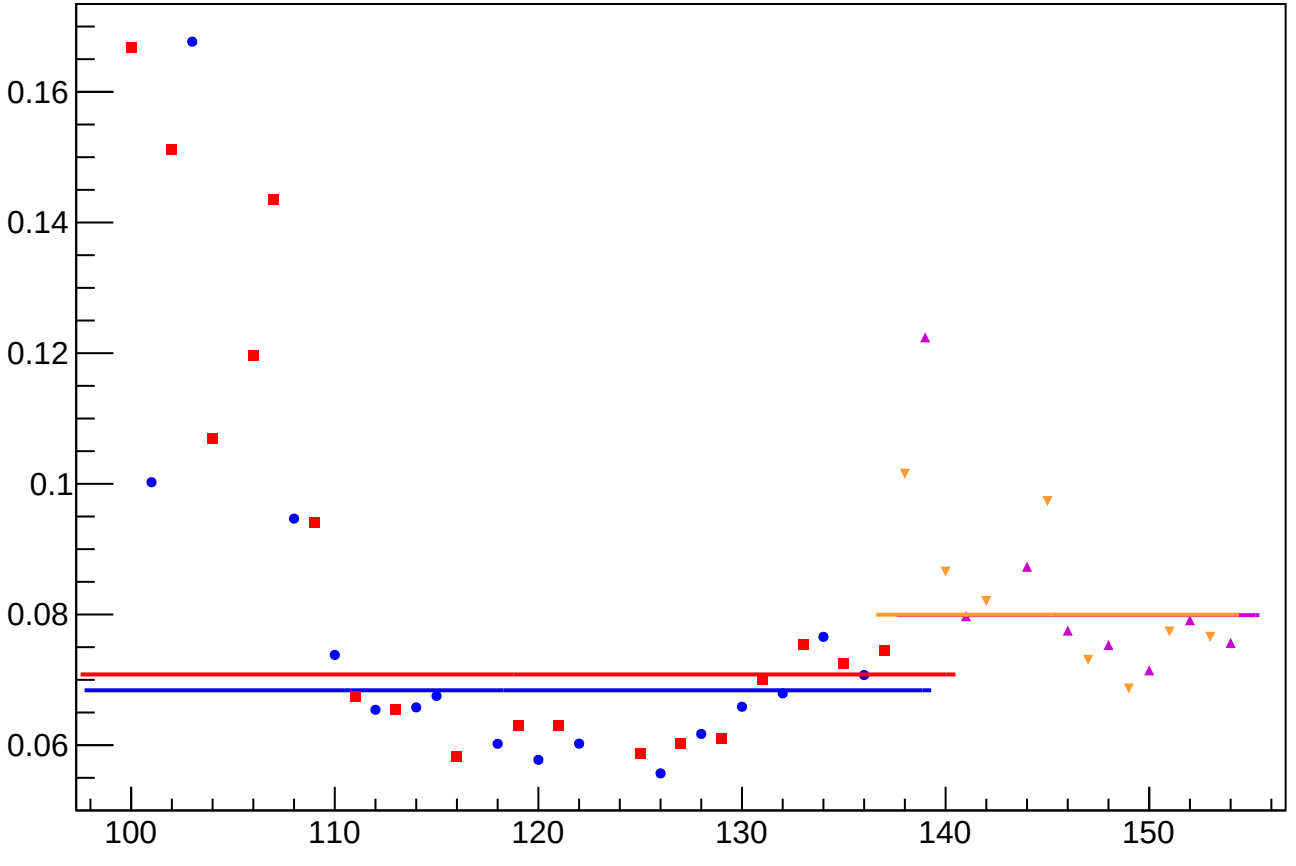
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.671+/-0.000 χ^2/NDF:1529306508.9/23

Out: 31.565+/-0.000 χ^2/NDF:946200931.6/25

All: 31.621+/-0.000 χ^2/NDF: 2487783366.1/4

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: 0.080+/-0.000 χ^2/NDF:236967.8/7

Left: 0.080+/-0.000 χ^2/NDF: 417226.3/15

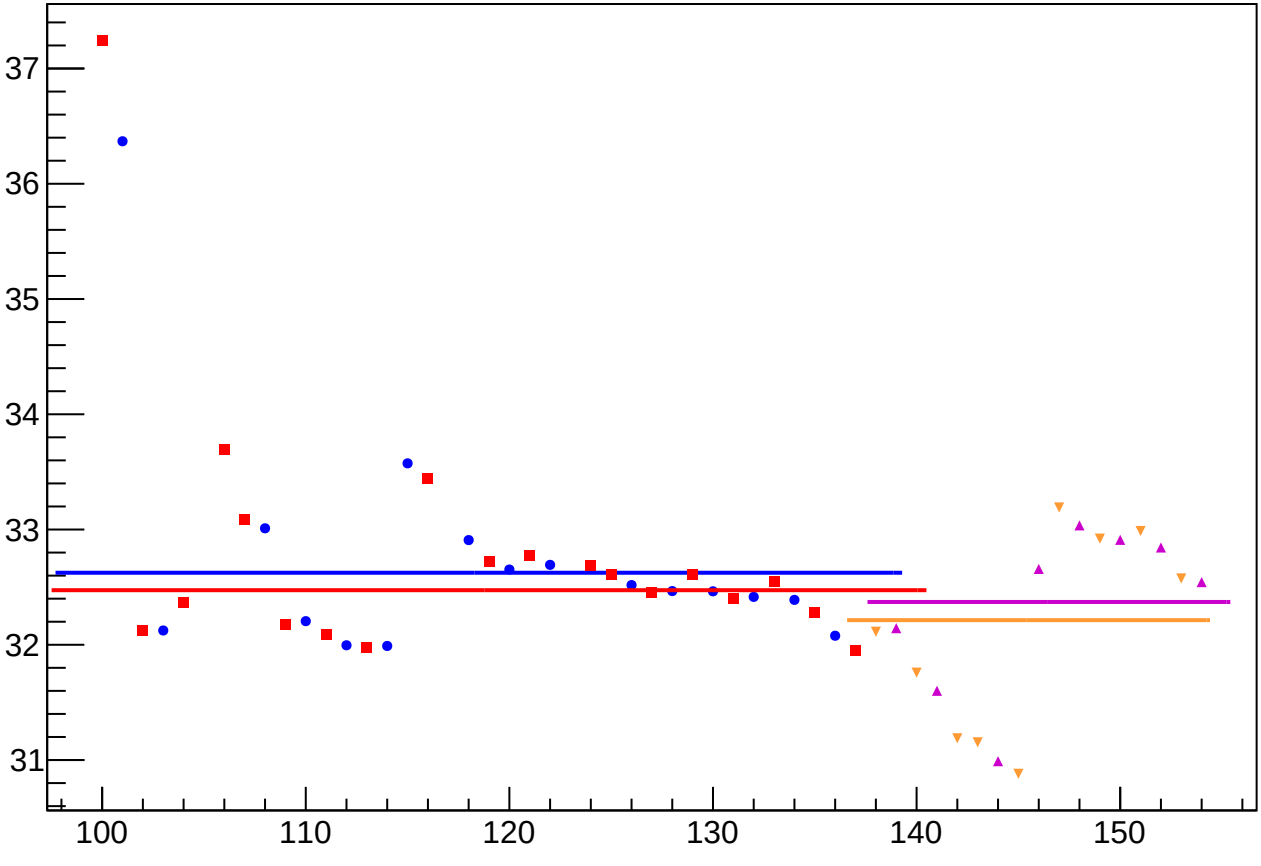
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.073+/-0.000 χ^2/NDF:1089030.7/23

Out: 0.075+/-0.000 χ^2/NDF:1133504.3/25

All: 0.074+/-0.000 χ^2/NDF: 2226438.7/49

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: 32.371+/-0.000 χ^2/NDF:512903544.3/7

Left: 32.293+/-0.000 χ^2/NDF: 1260393532.9/16

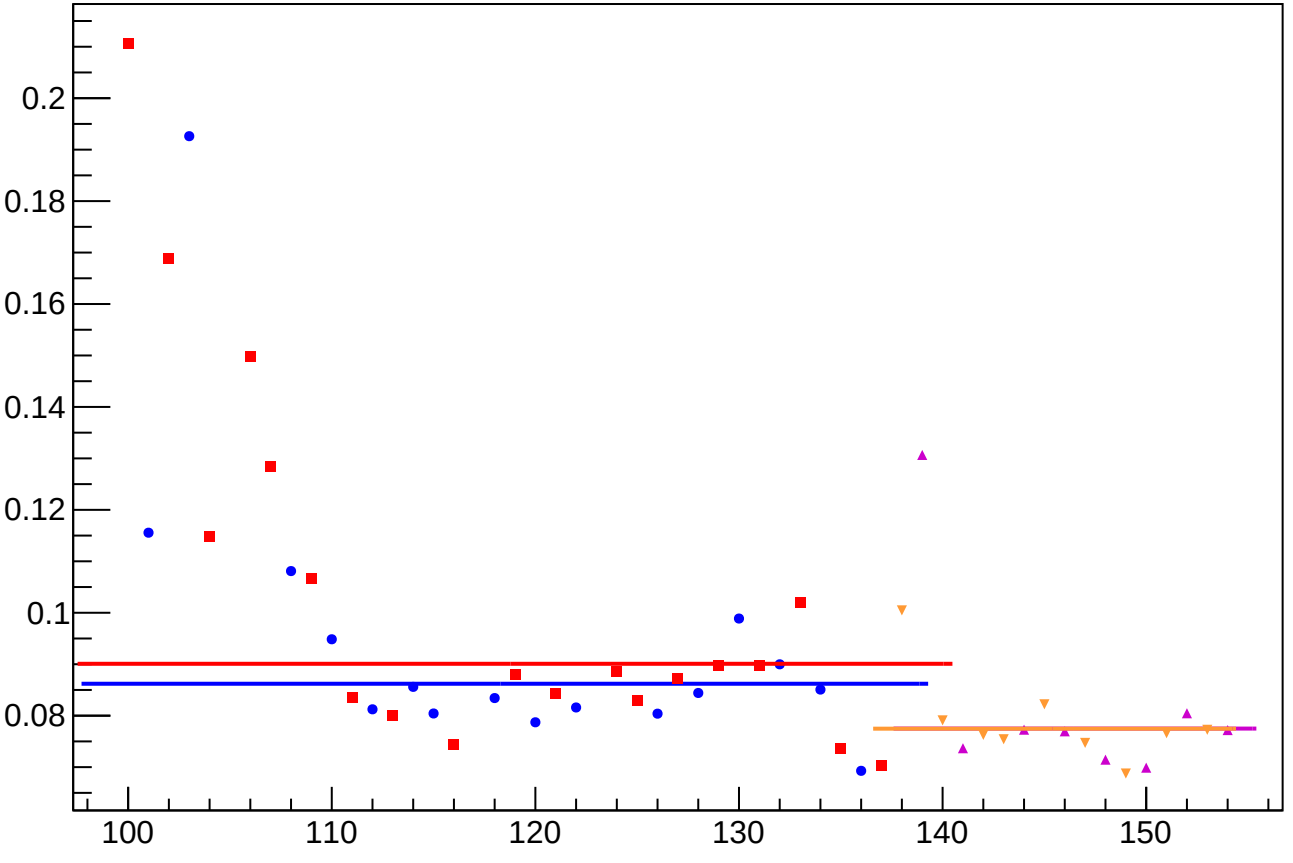
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.484+/-0.000 χ^2/NDF:1282208965.5/23

Out: 32.326+/-0.000 χ^2/NDF:921708618.4/27

All: 32.406+/-0.000 χ^2/NDF: 2227356102.6/5

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: 0.077+/-0.000 χ^2/NDF:307953.1/7

Left: 0.077+/-0.000 χ^2/NDF: 417073.0/16

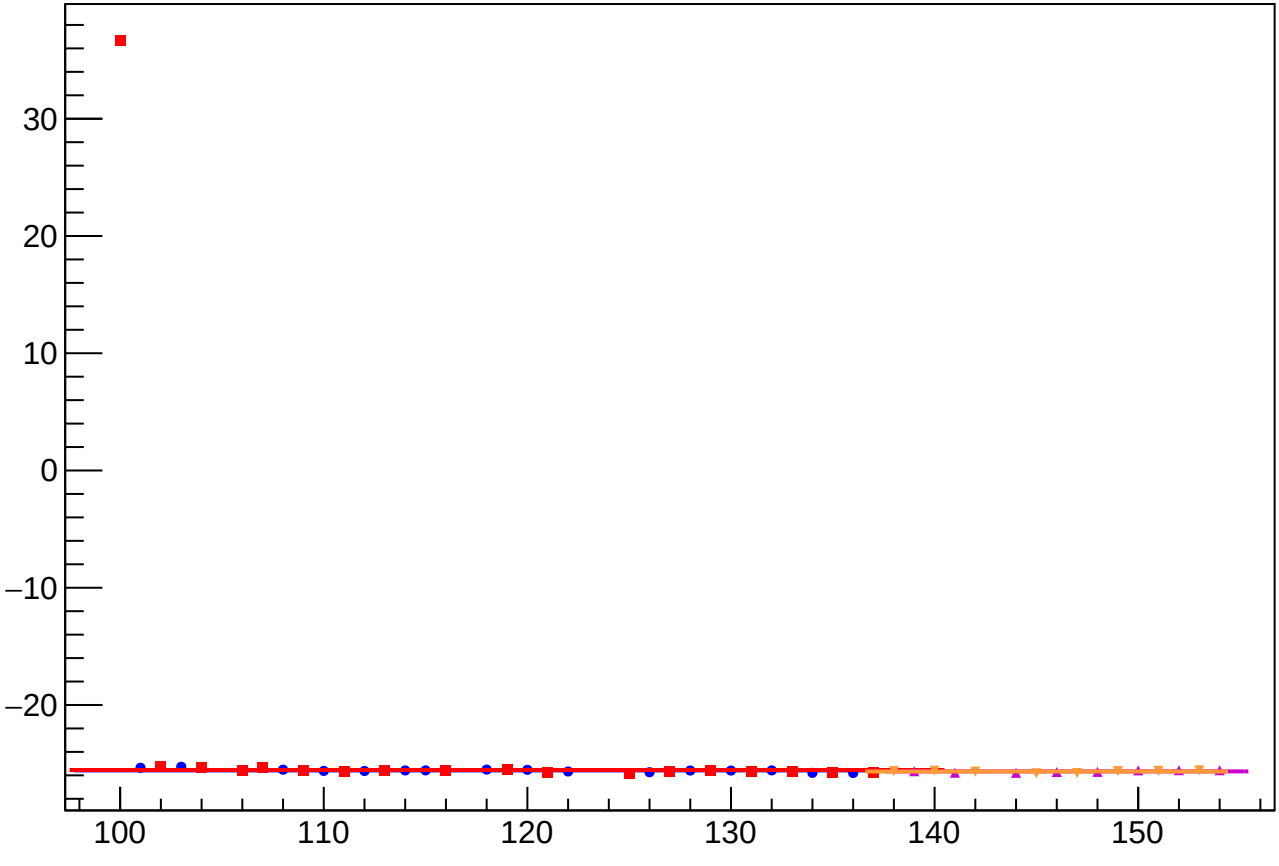
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:977856.8/23

Out: 0.083+/-0.000 χ^2/NDF:874477.1/27

All: 0.082+/-0.000 χ^2/NDF: 1856815.1/51

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: -25.662+/-0.000 χ^2/NDF:29667350.8/7

Left: -25.666+/-0.000 χ^2/NDF: 55400391.7/15

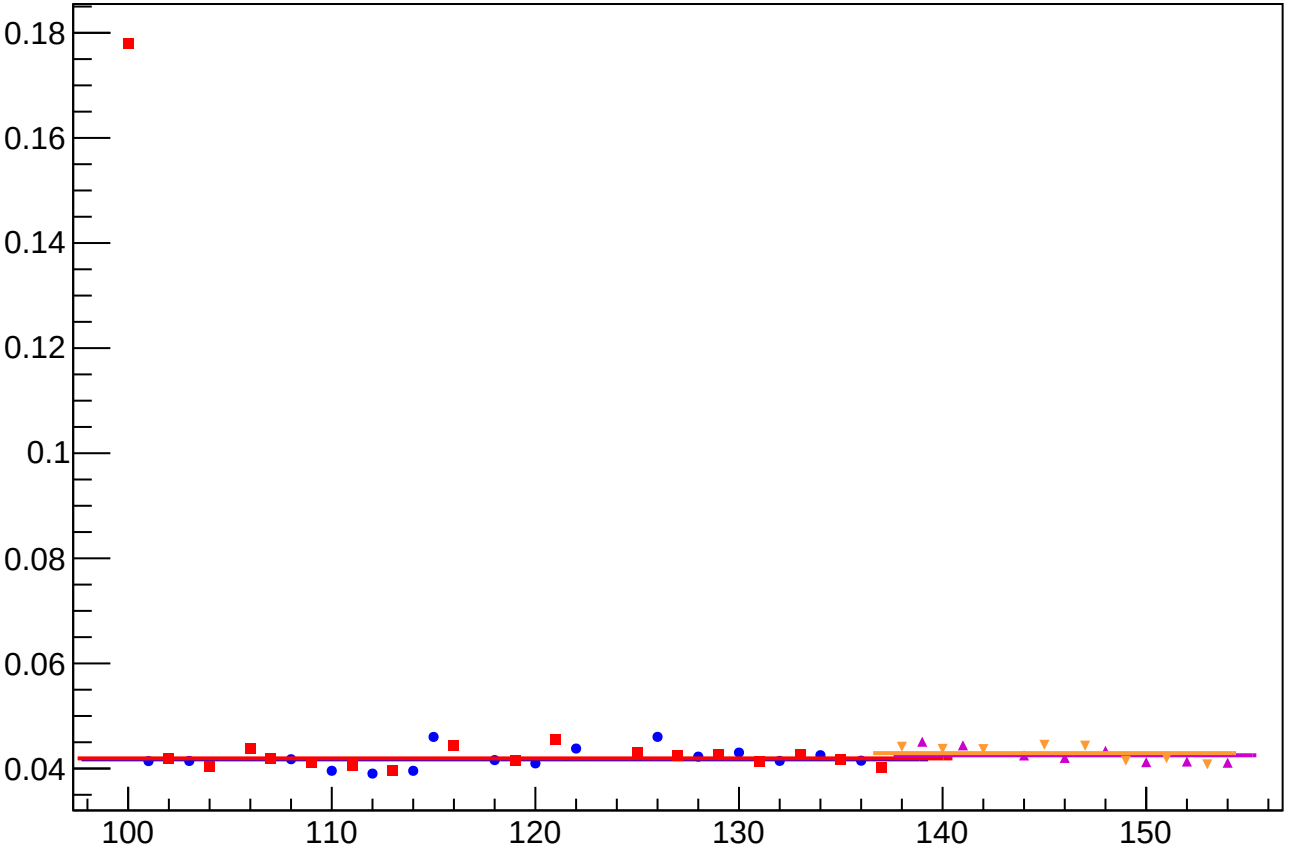
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.619+/-0.000 χ^2/NDF:141578354.5/23

Out: -25.601+/-0.000 χ^2/NDF:8963200786.8/25

All: -25.610+/-0.000 χ^2/NDF: 9106010070.6/

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:14806.4/7

Left: 0.043+/-0.000 χ^2/NDF: 28487.7/15

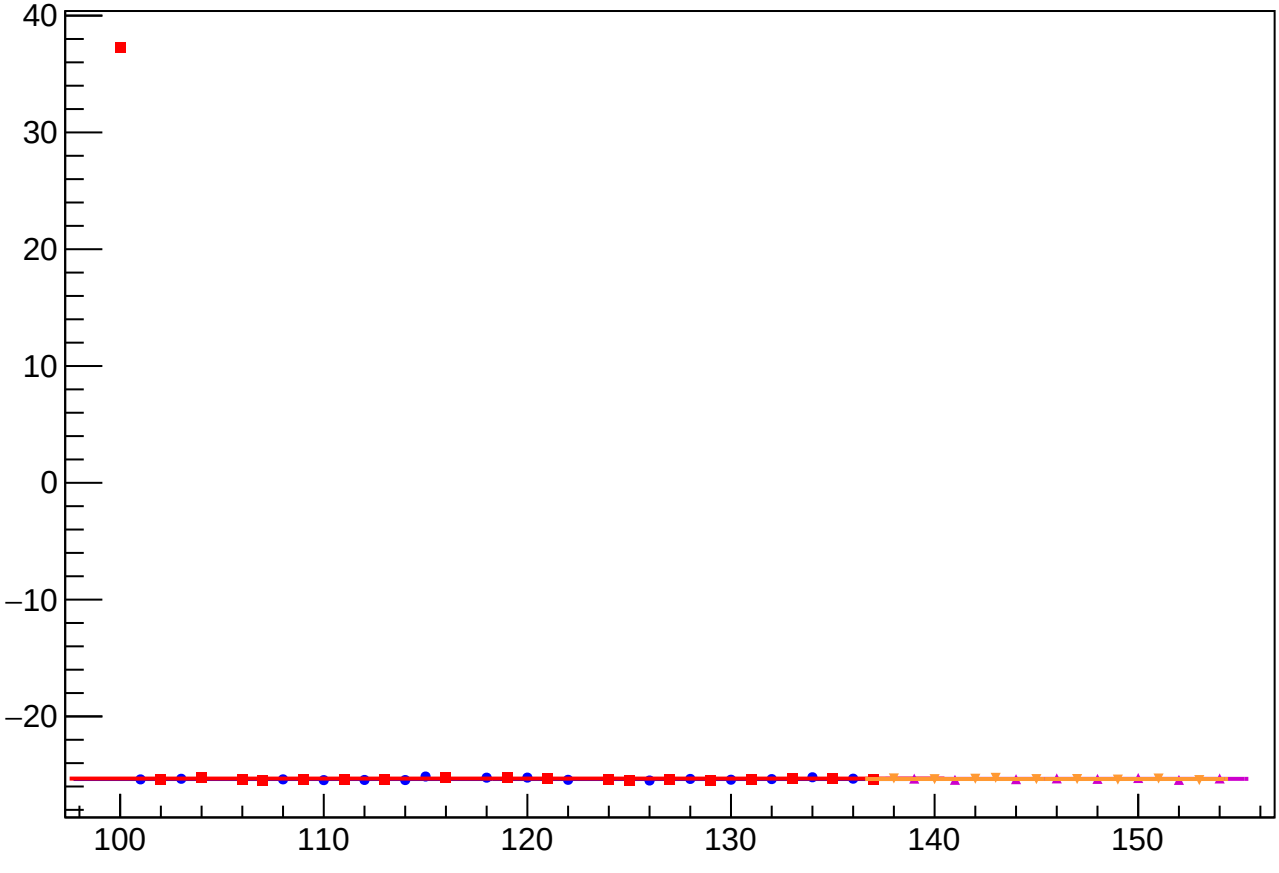
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:37912.2/23

Out: 0.042+/-0.000 χ^2/NDF:116936.7/25

All: 0.042+/-0.000 χ^2/NDF: 155352.9/49

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: -25.346+/-0.000 χ^2/NDF:6331630.9/7

Left: -25.353+/-0.000 χ^2/NDF: 13170490.2/16

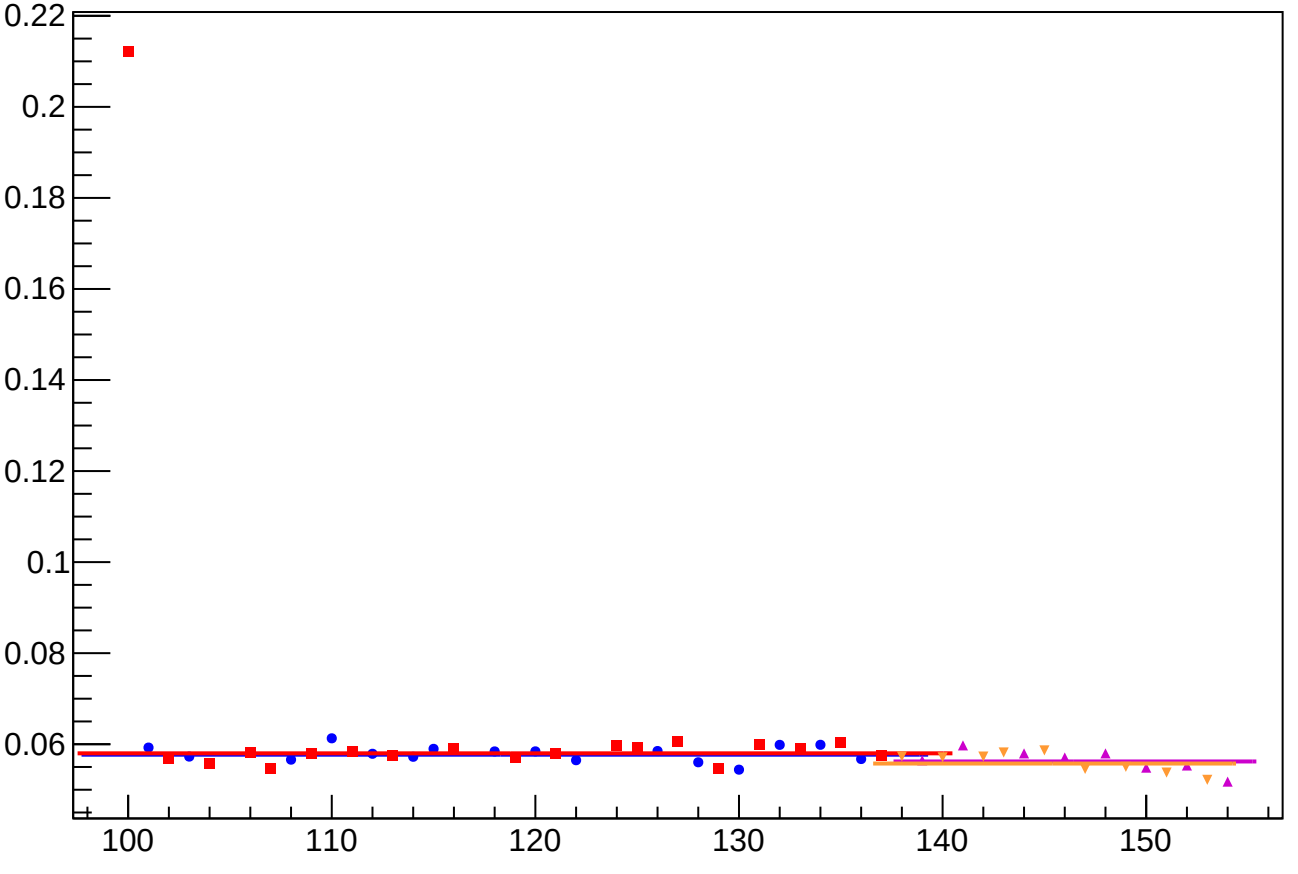
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.353+/-0.000 χ^2/NDF:19821898.0/23

Out: -25.341+/-0.000 χ^2/NDF:6323071069.3/27

All: -25.347+/-0.000 χ^2/NDF: 6343217774.8/

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: 0.056+/-0.000 χ^2/NDF:23477.7/7

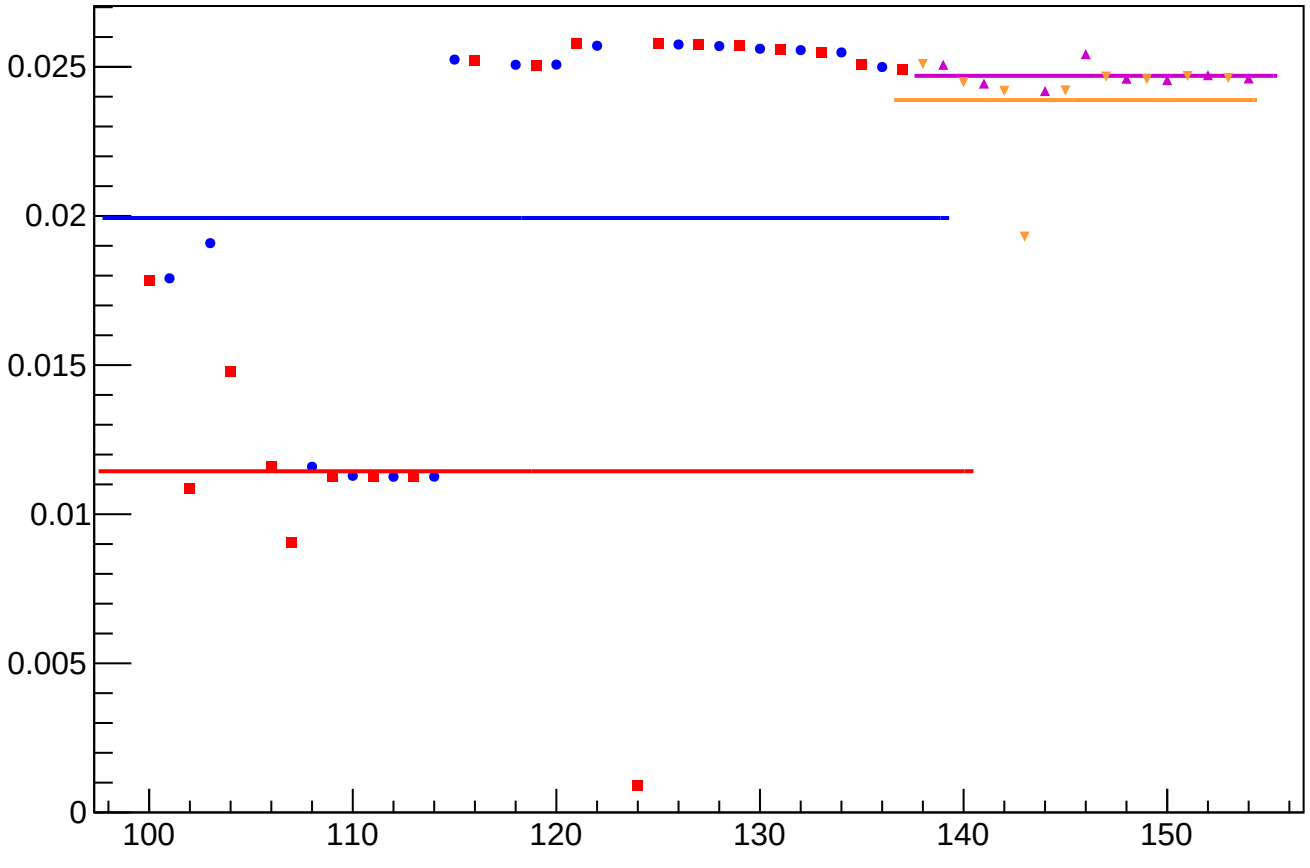
Left: 0.056+/-0.000 χ^2/NDF: 43875.7/16

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.057+/-0.000 χ^2/NDF:39947.4/23

Out: 0.057+/-0.000 χ^2/NDF:119507.1/27

All: 0.057+/-0.000 χ^2/NDF: 159481.6/51



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:153893296.2/7

Left: 0.024+/-0.000 χ^2/NDF: 4994217619.4/16

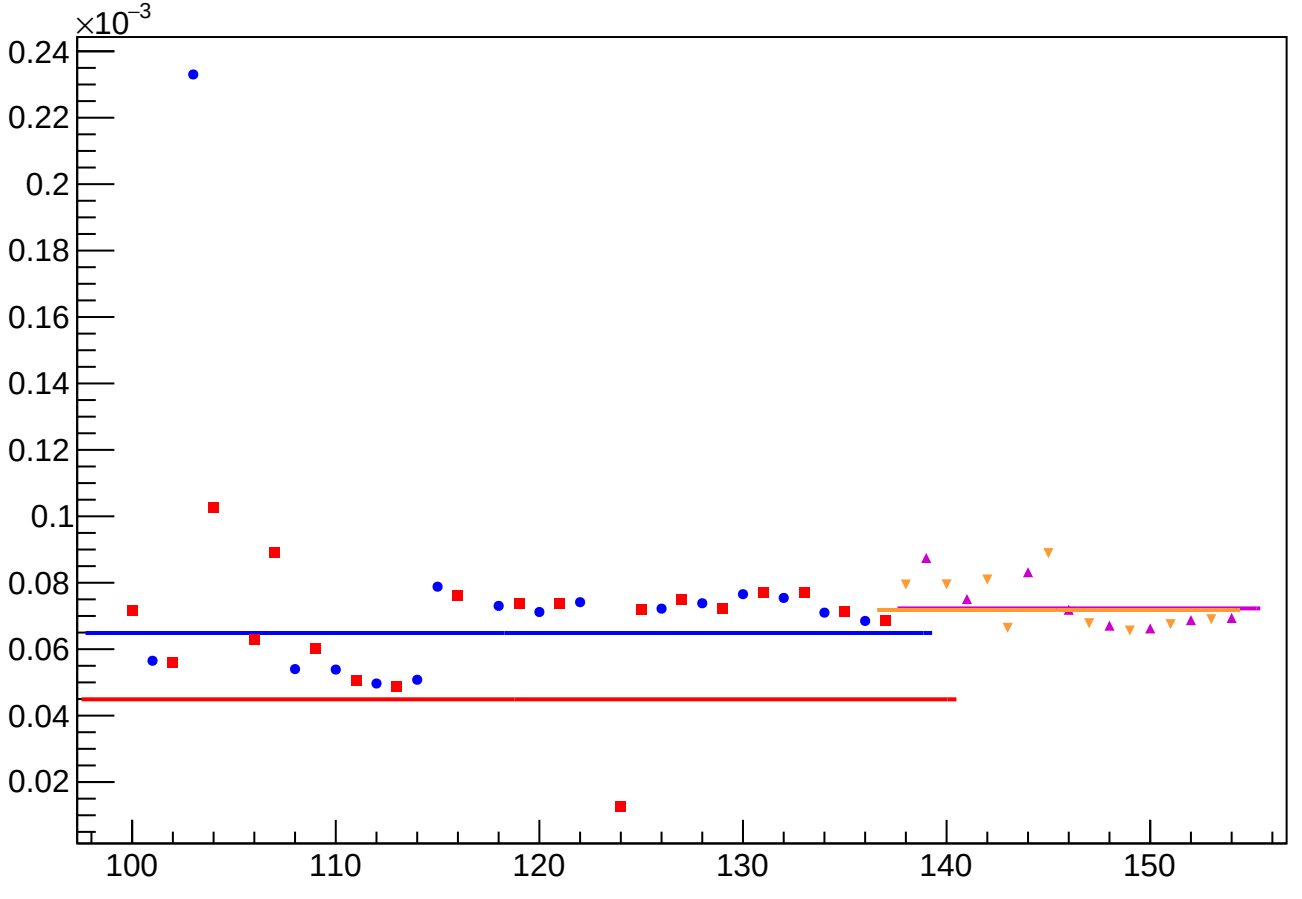
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.022+/-0.000 χ^2/NDF:78705635810.3/23

Out: 0.016+/-0.000 χ^2/NDF:391842408018.5/27

All: 0.018+/-0.000 χ^2/NDF: 537635573302.4

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:137422.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:112916.7/7

Left: 0.000+/-0.000 χ^2/NDF: 250633.7/16

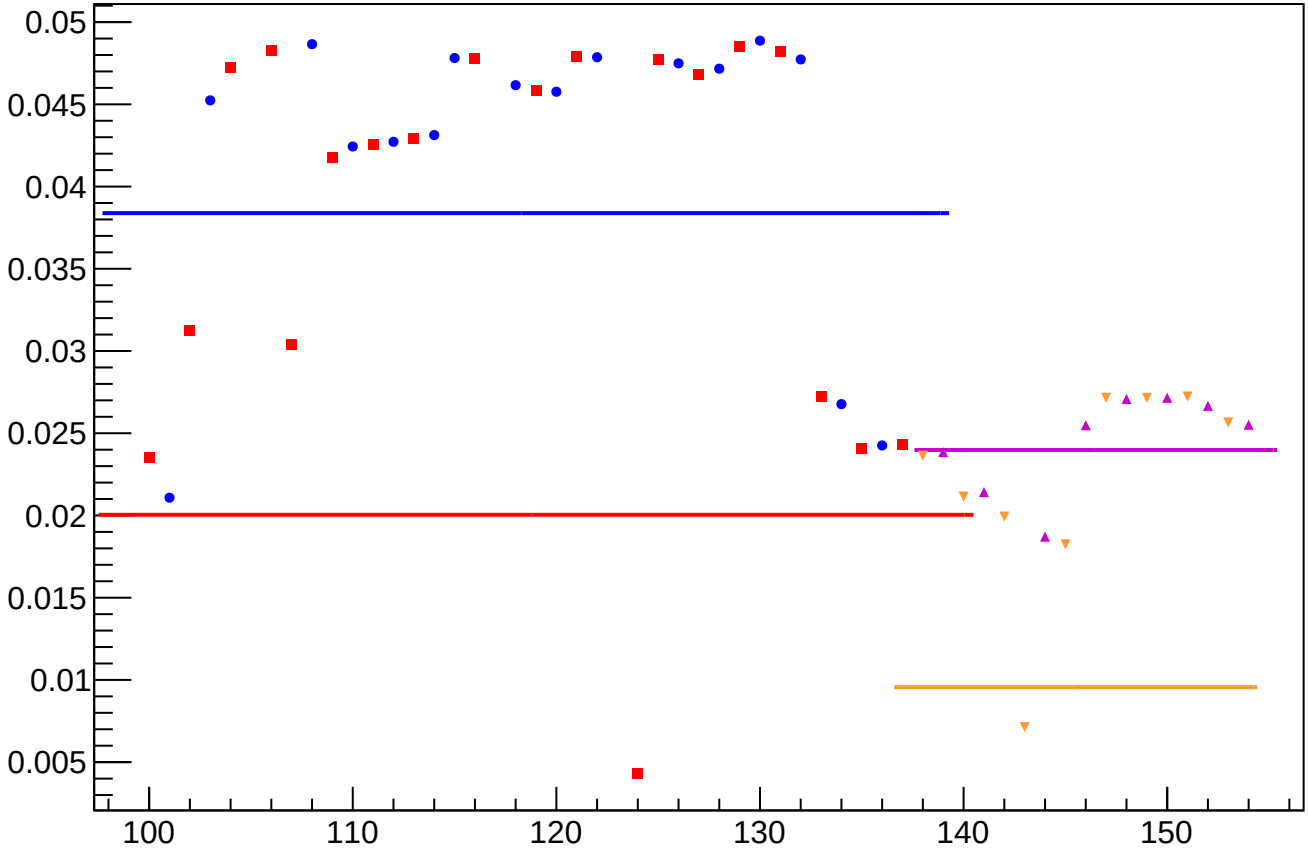
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1007377.4/23

Out: 0.000+/-0.000 χ^2/NDF:5155014.5/27

All: 0.000+/-0.000 χ^2/NDF: 6816144.8/51

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:836627272.5/7

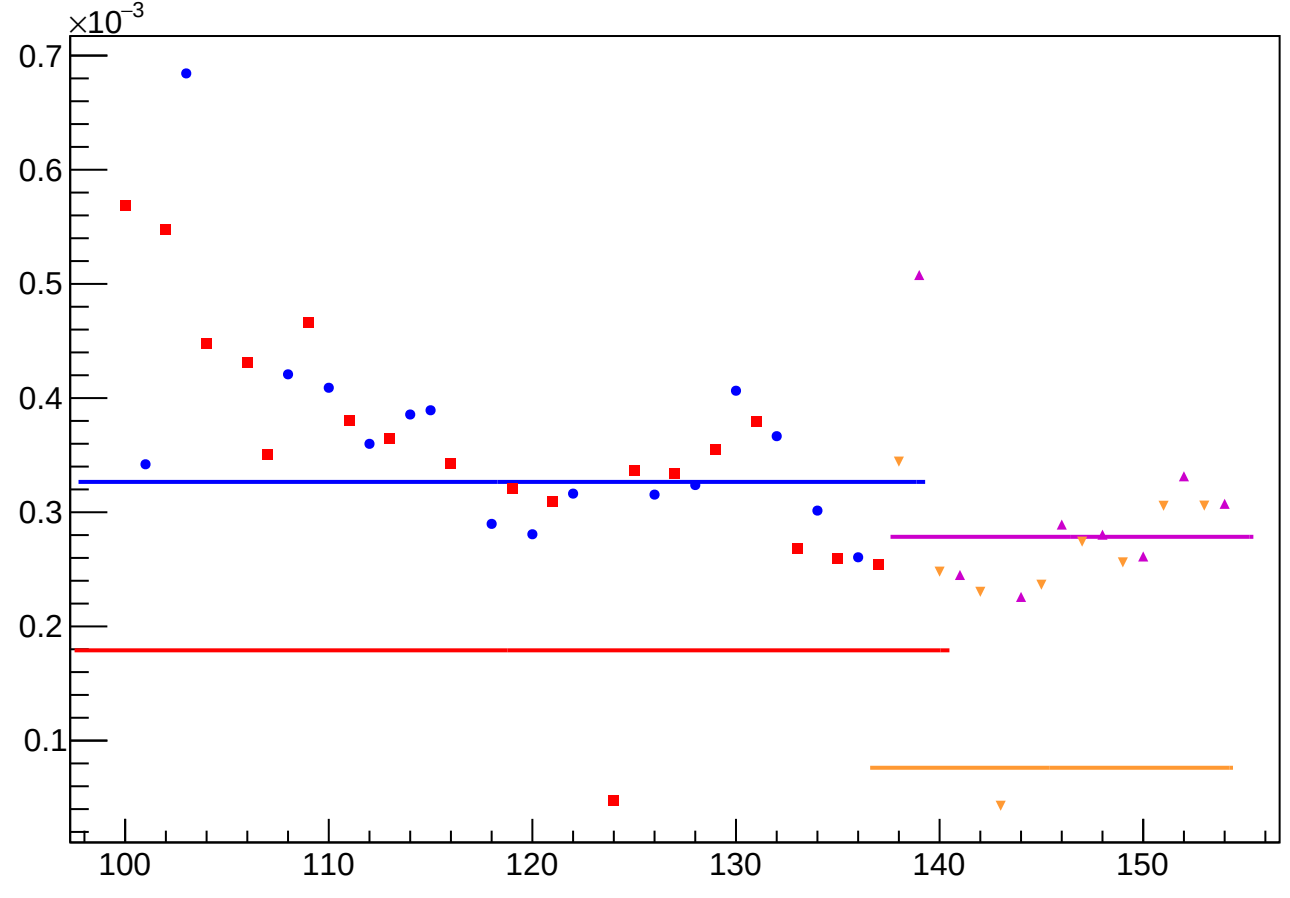
Left: 0.011+/-0.000 χ^2/NDF: 33569916684.6/16

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.030+/-0.000 χ^2/NDF:14946484802.3/23

Out: 0.012+/-0.000 χ^2/NDF:71459821736.0/27

All: 0.015+/-0.000 χ^2/NDF: 125534565613.7



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:507968.2/7

Left: 0.000+/-0.000 χ^2/NDF: 12863892.6/16

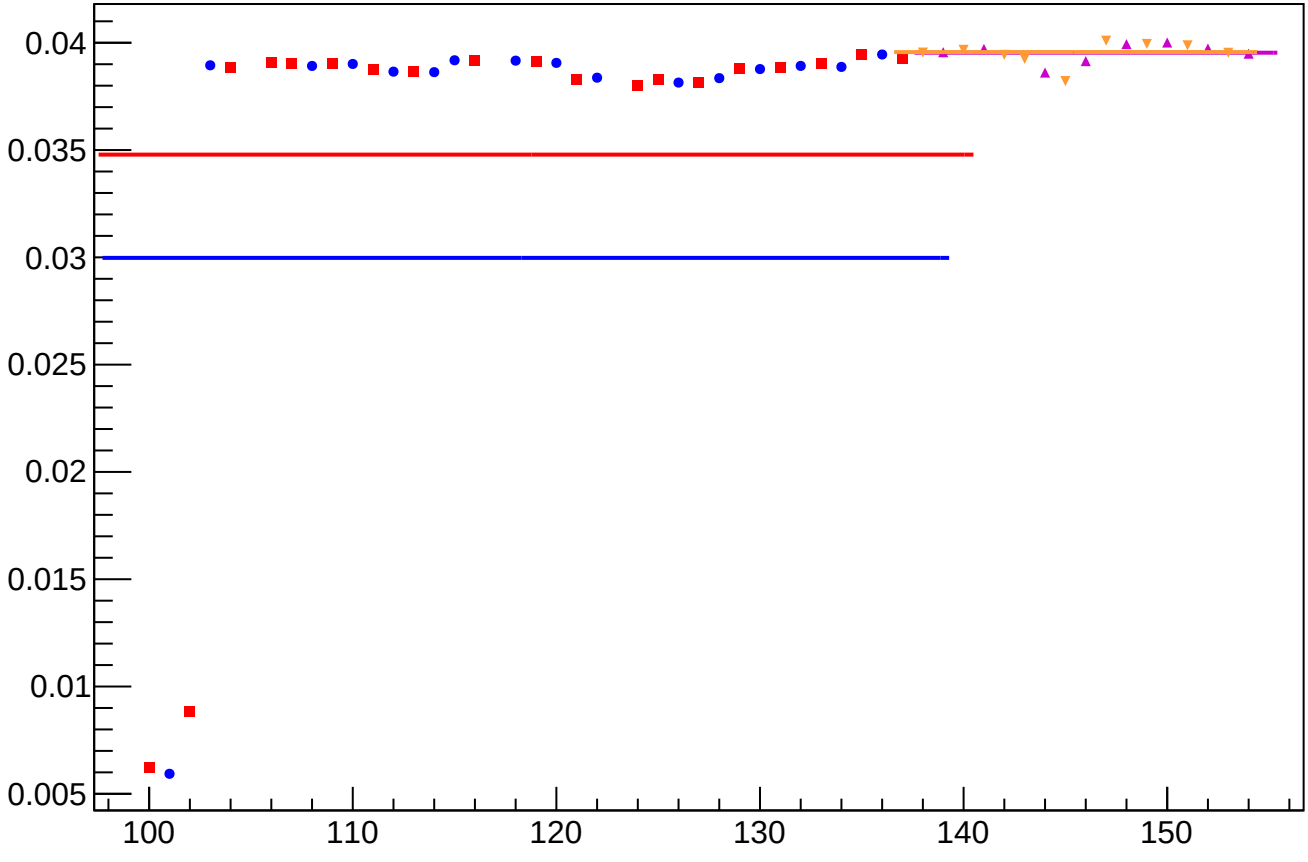
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1246220.3/23

Out: 0.000+/-0.000 χ^2/NDF:14483615.0/27

All: 0.000+/-0.000 χ^2/NDF: 25093833.7/51

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:65802012.7/7

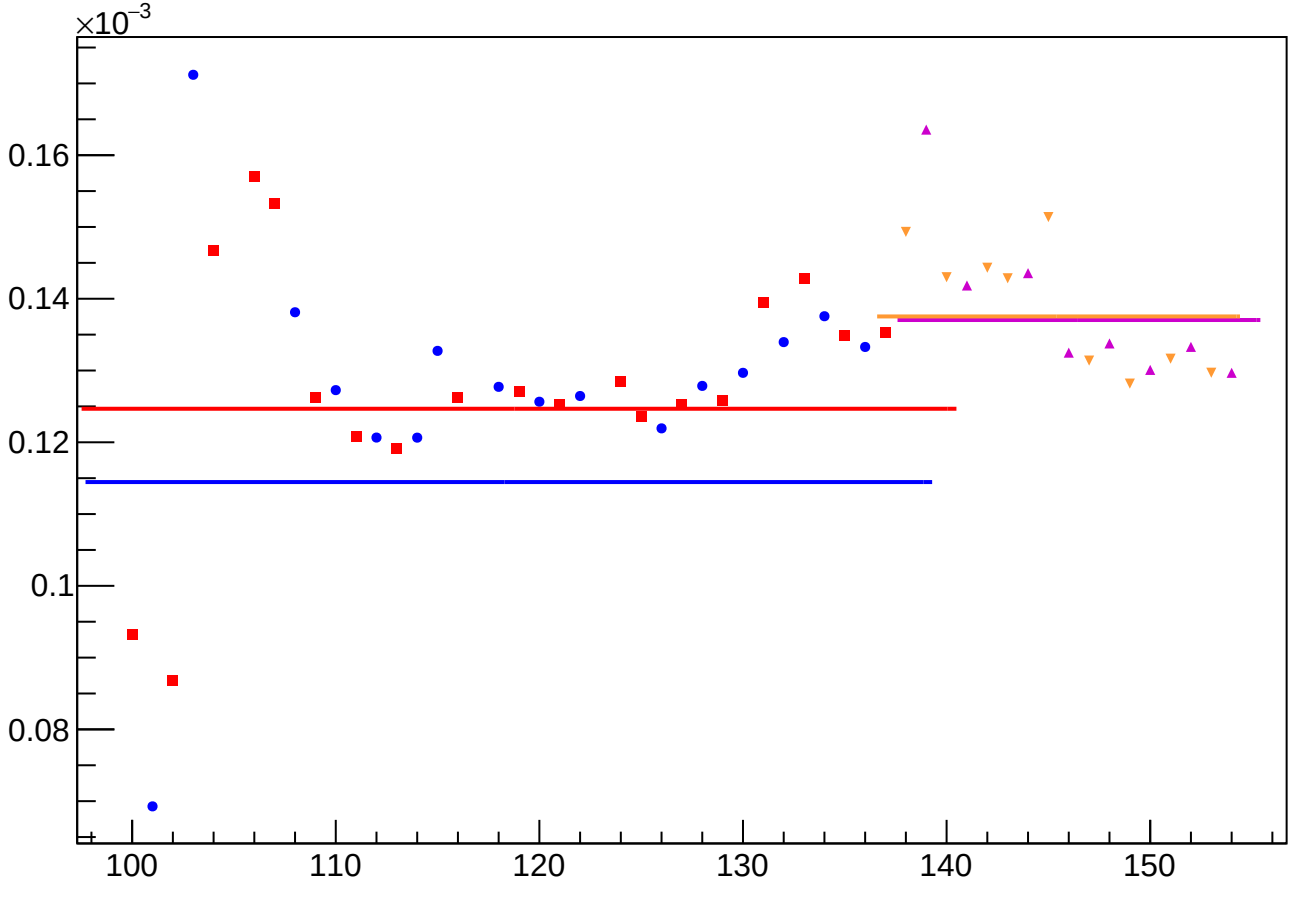
Left: 0.040+/-0.000 χ^2/NDF: 158082847.1/16

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.034+/-0.000 χ^2/NDF:127612229960.3/23

Out: 0.037+/-0.000 χ^2/NDF:51883996899.1/27

All: 0.035+/-0.000 χ^2/NDF: 183163785619.0



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:63886.2/7

Left: 0.000+/-0.000 χ^2/NDF: 114303.7/16

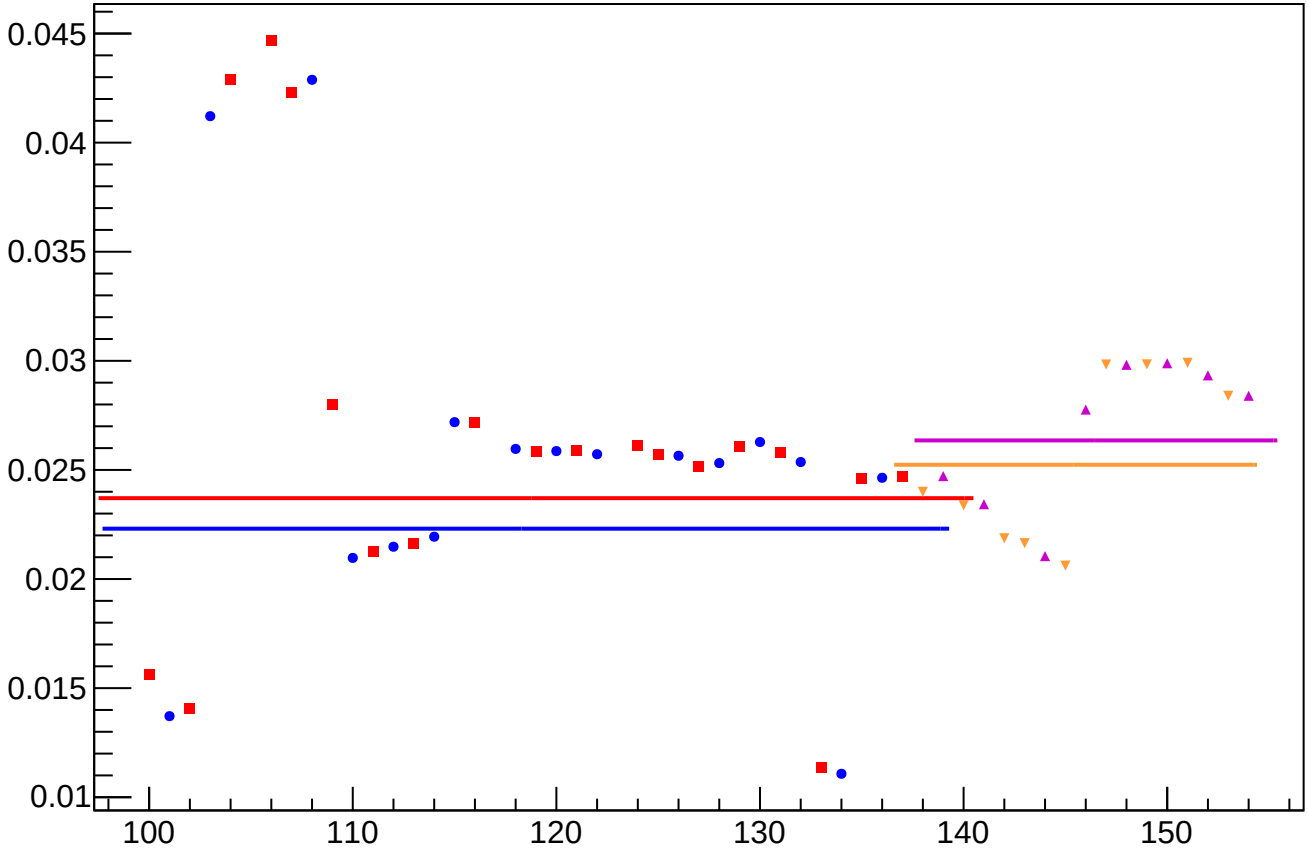
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1131931.4/23

Out: 0.000+/-0.000 χ^2/NDF:376347.4/27

All: 0.000+/-0.000 χ^2/NDF: 1544106.8/51

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:1022283085.9/7

Left: 0.026+/-0.000 χ^2/NDF: 2448210281.2/16

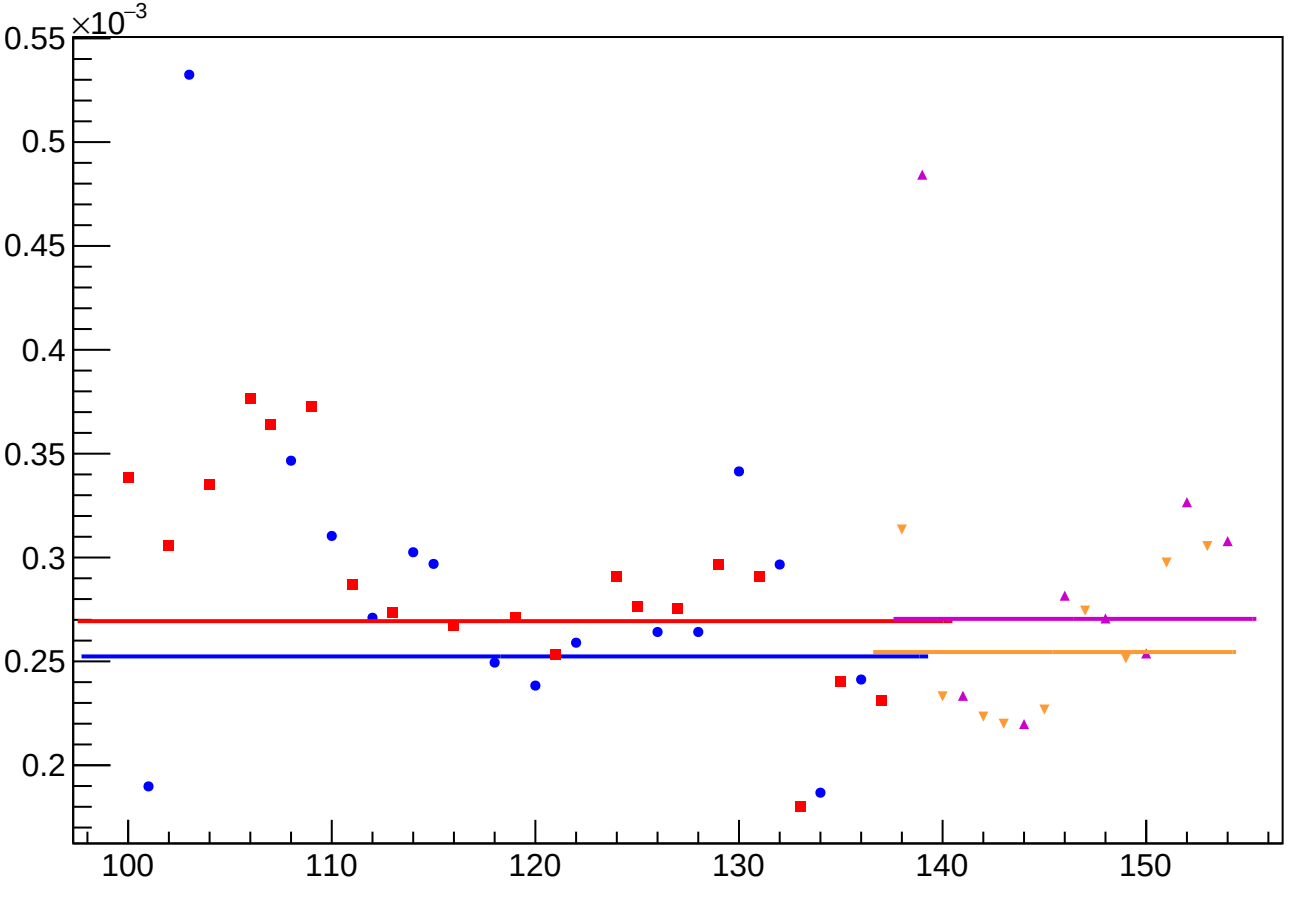
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.024+/-0.000 χ^2/NDF:6779378992.4/23

Out: 0.024+/-0.000 χ^2/NDF:7059485885.1/27

All: 0.024+/-0.000 χ^2/NDF: 13847679231.5/5

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:524622.0/7

Left: 0.000+/-0.000 χ^2/NDF: 760652.7/16

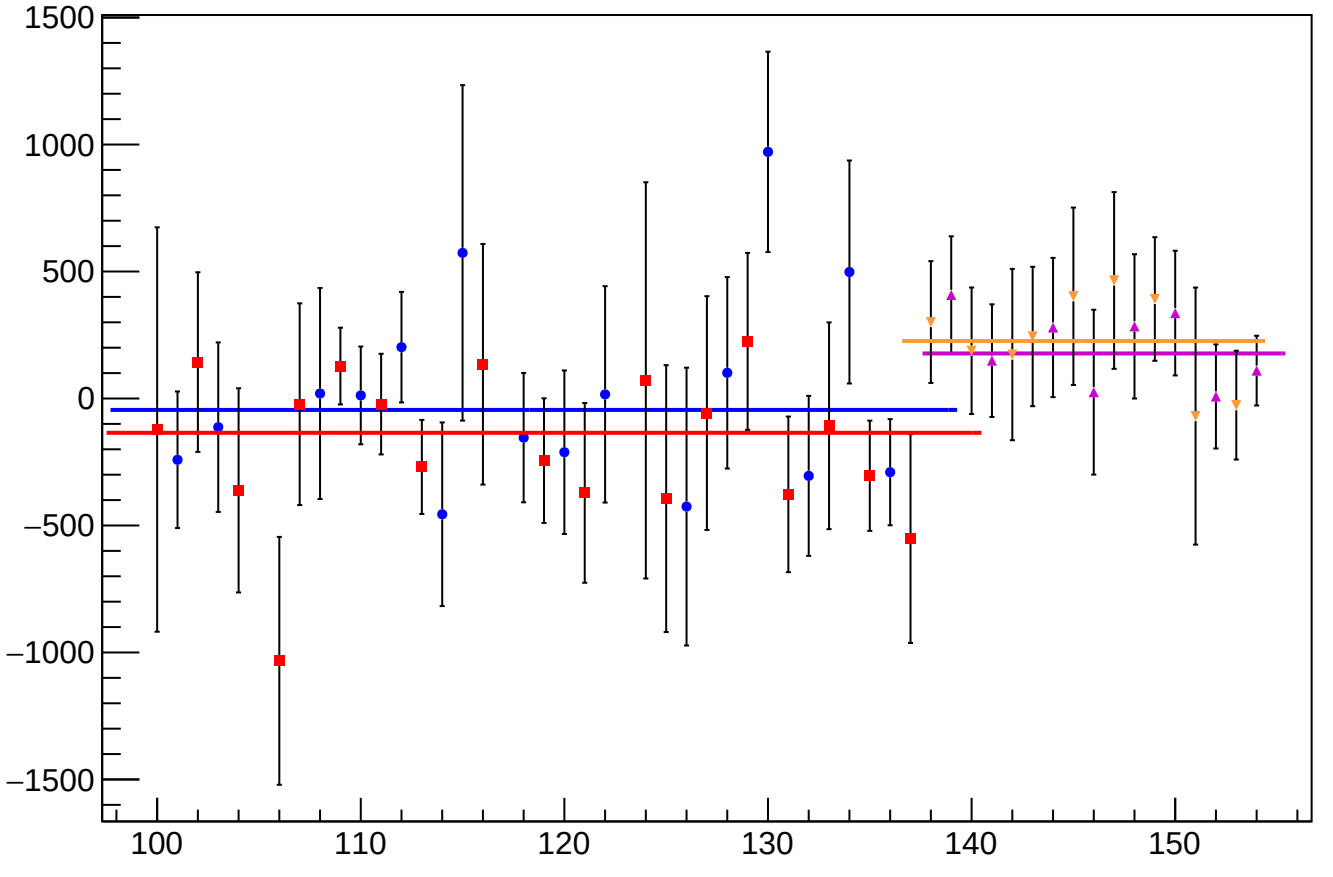
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1262235.1/23

Out: 0.000+/-0.000 χ^2/NDF:679894.5/27

All: 0.000+/-0.000 χ^2/NDF: 1942295.1/51

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 226.402+/-93.411 χ^2/NDF:3.1/8

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 177.415+/-77.196 χ^2/NDF:2.9/7

Left: 197.295+/-59.506 χ^2/NDF: 6.1/16

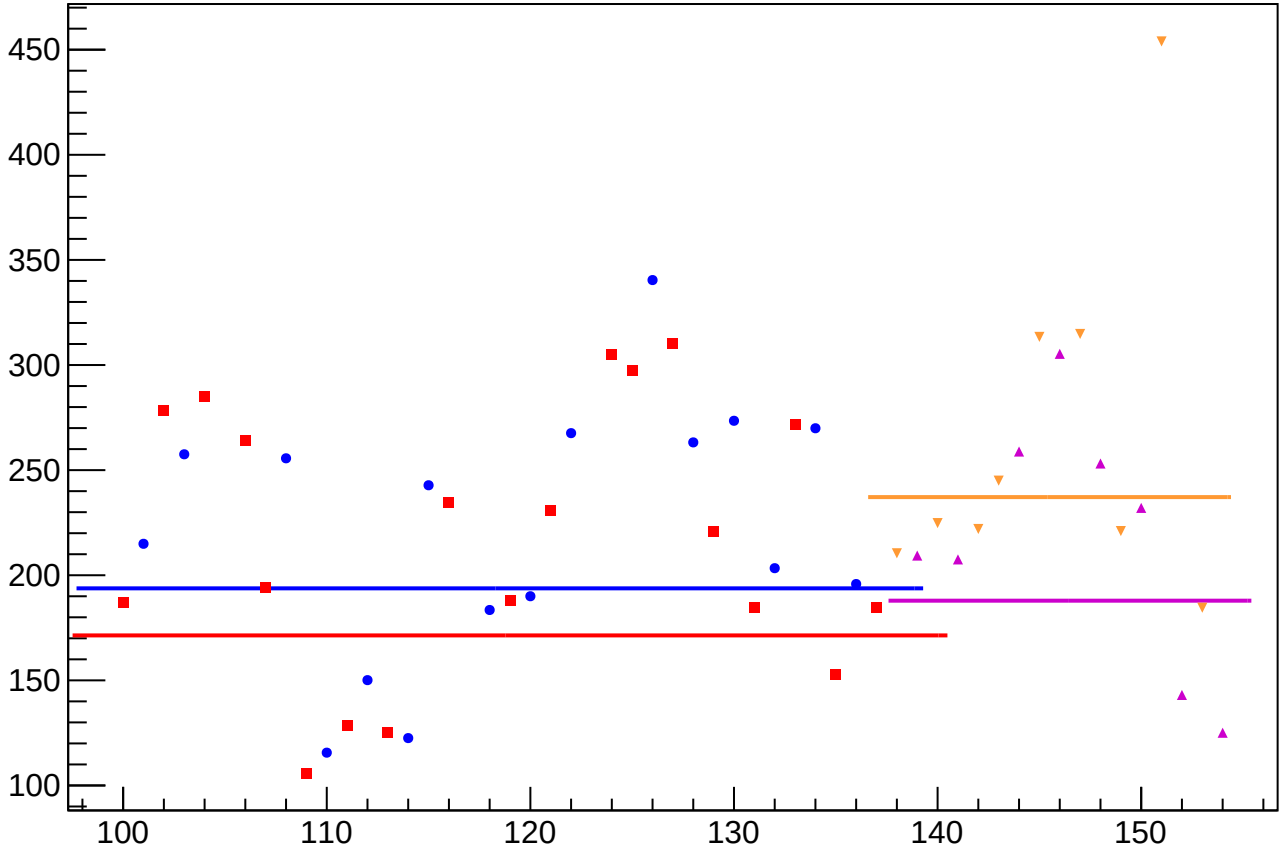
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 64.802+/-54.230 χ^2/NDF:22.5/23

Out: -9.667+/-55.009 χ^2/NDF:25.8/27

All: 28.099+/-38.619 χ^2/NDF: 49.2/51

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: 187.902+/-0.055 χ^2/NDF:1113728.6/7

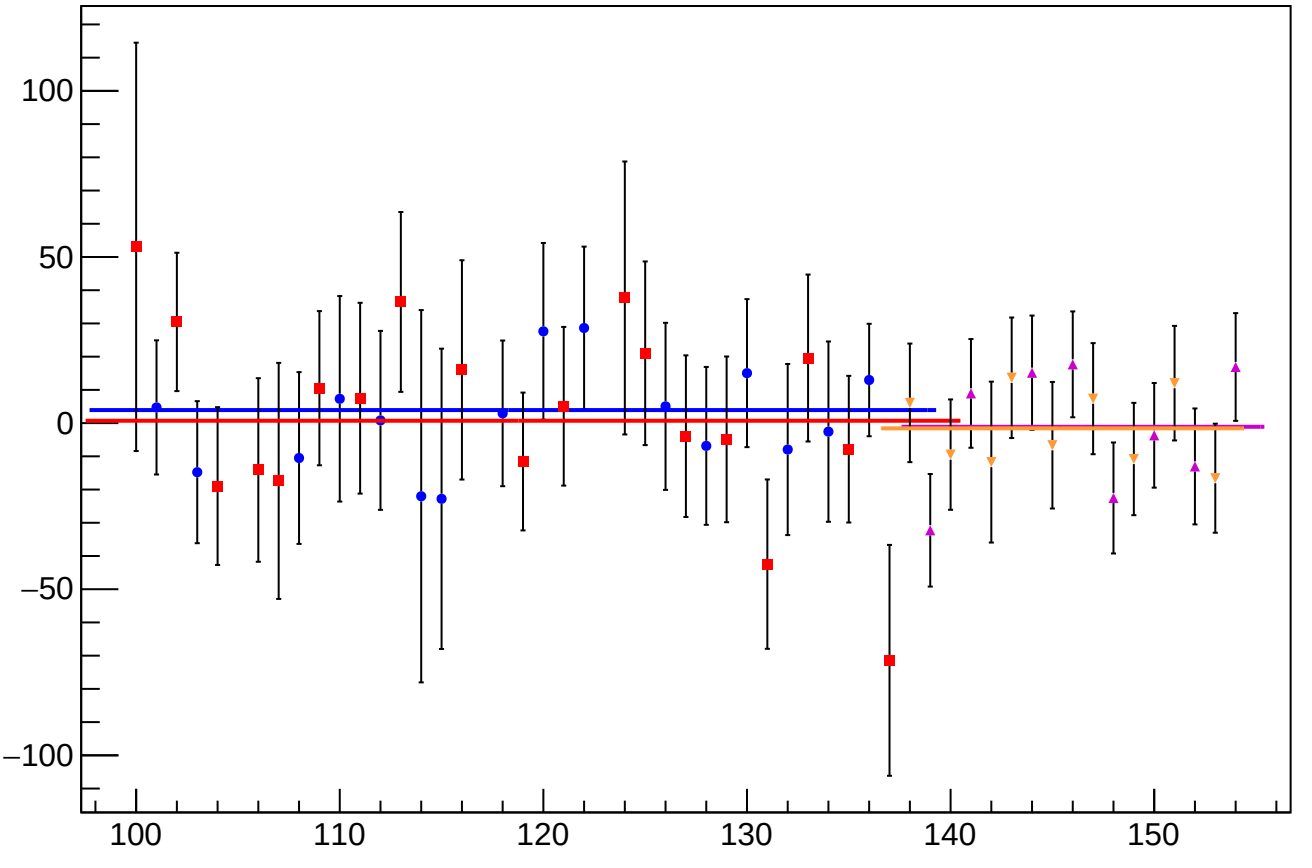
Left: 207.896+/-0.042 χ^2/NDF: 2170811.5/16

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 190.873+/-0.038 χ^2/NDF:2167672.8/23

Out: 194.197+/-0.039 χ^2/NDF:3032592.2/27

All: 192.511+/-0.027 χ^2/NDF: 5203968.7/51



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: -1.105+/-5.848 χ^2/NDF:9.4/7

Left: -1.337+/-4.165 χ^2/NDF: 12.8/16

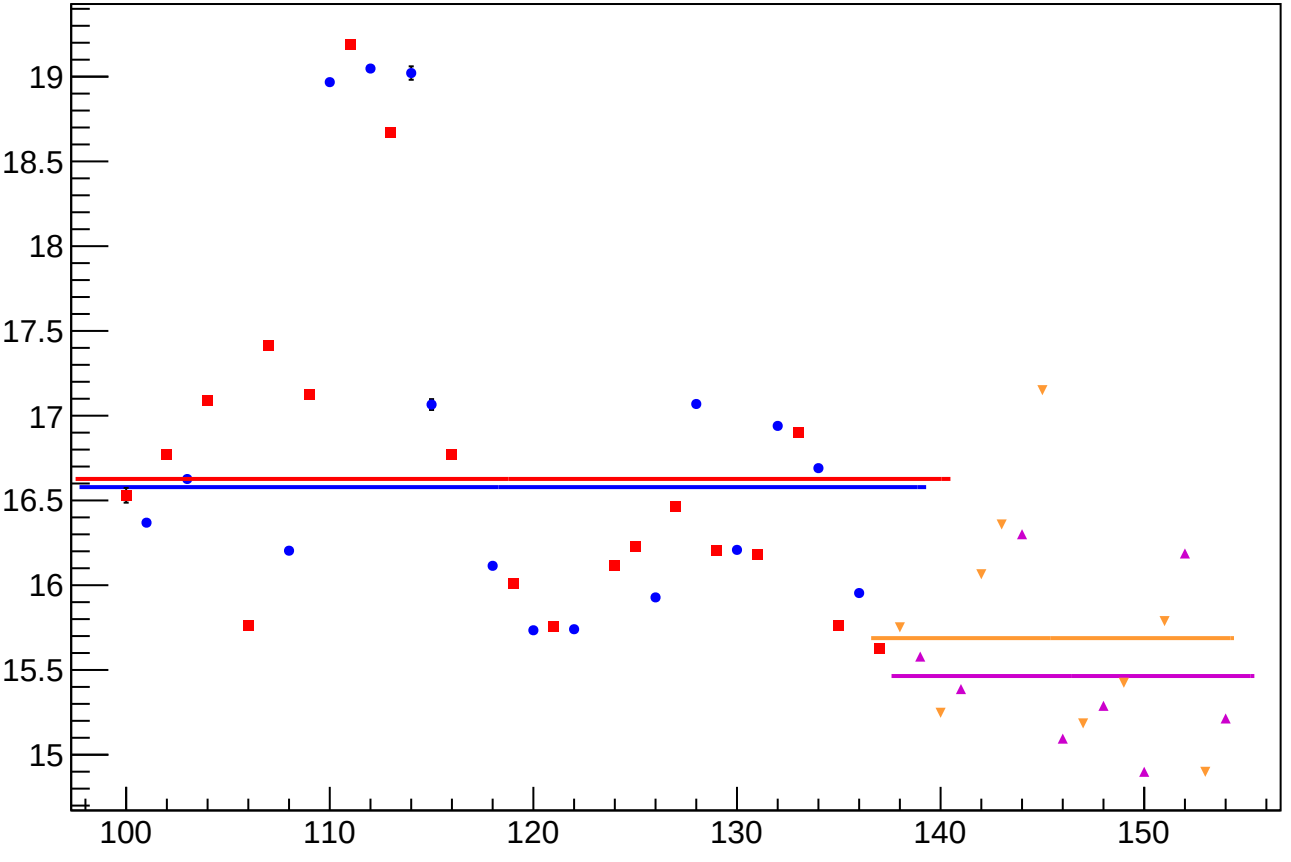
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 1.274+/-4.245 χ^2/NDF:14.3/23

Out: -0.459+/-4.245 χ^2/NDF:19.4/27

All: 0.408+/-3.002 χ^2/NDF: 33.7/51

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: 15.464+/-0.004 χ^2/NDF:12641.5/7

Left: 15.574+/-0.003 χ^2/NDF: 37503.0/16

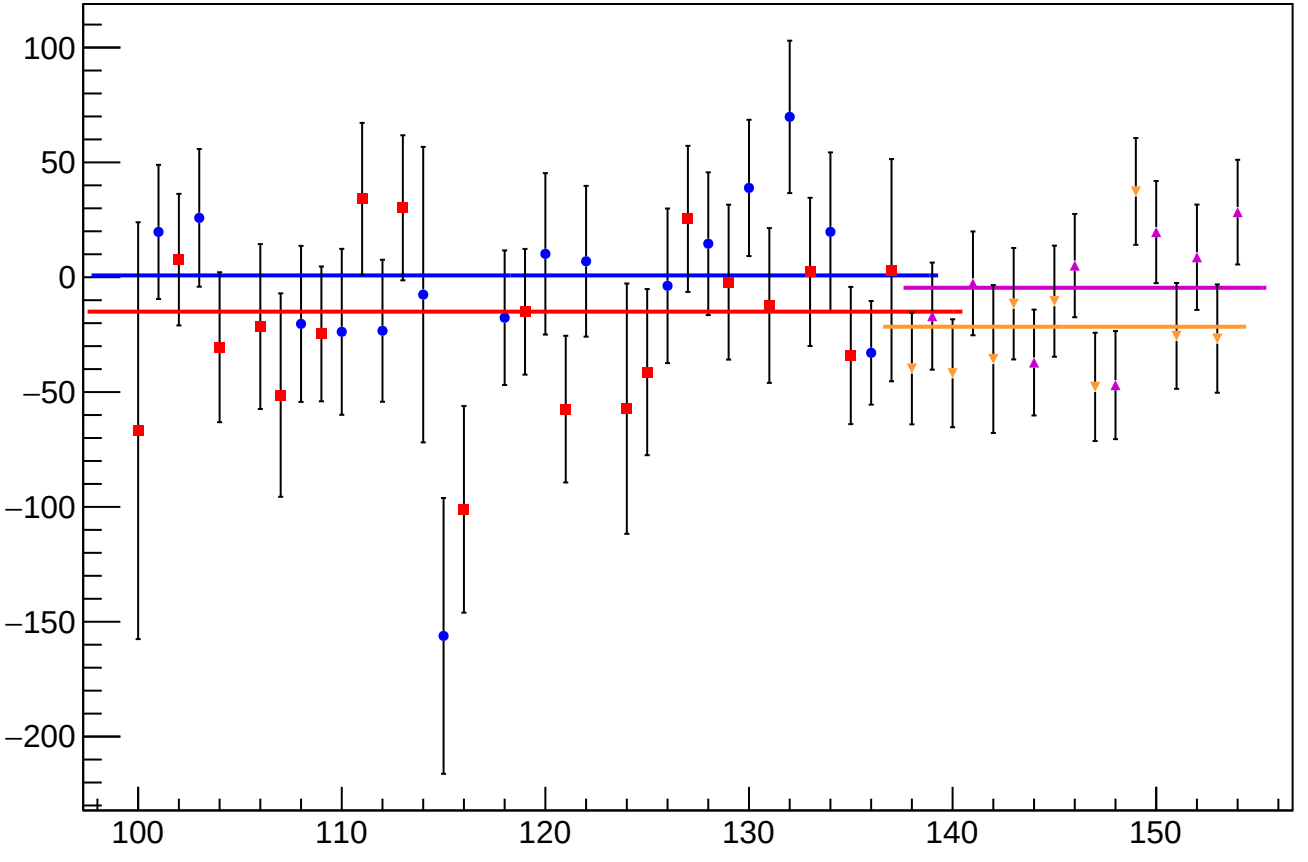
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.991+/-0.003 χ^2/NDF:91571.1/23

Out: 16.146+/-0.003 χ^2/NDF:91337.5/27

All: 16.069+/-0.002 χ^2/NDF: 184234.4/51

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: -4.592+/-8.080 χ^2/NDF:9.3/7

Left: -13.040+/-5.724 χ^2/NDF: 21.1/16

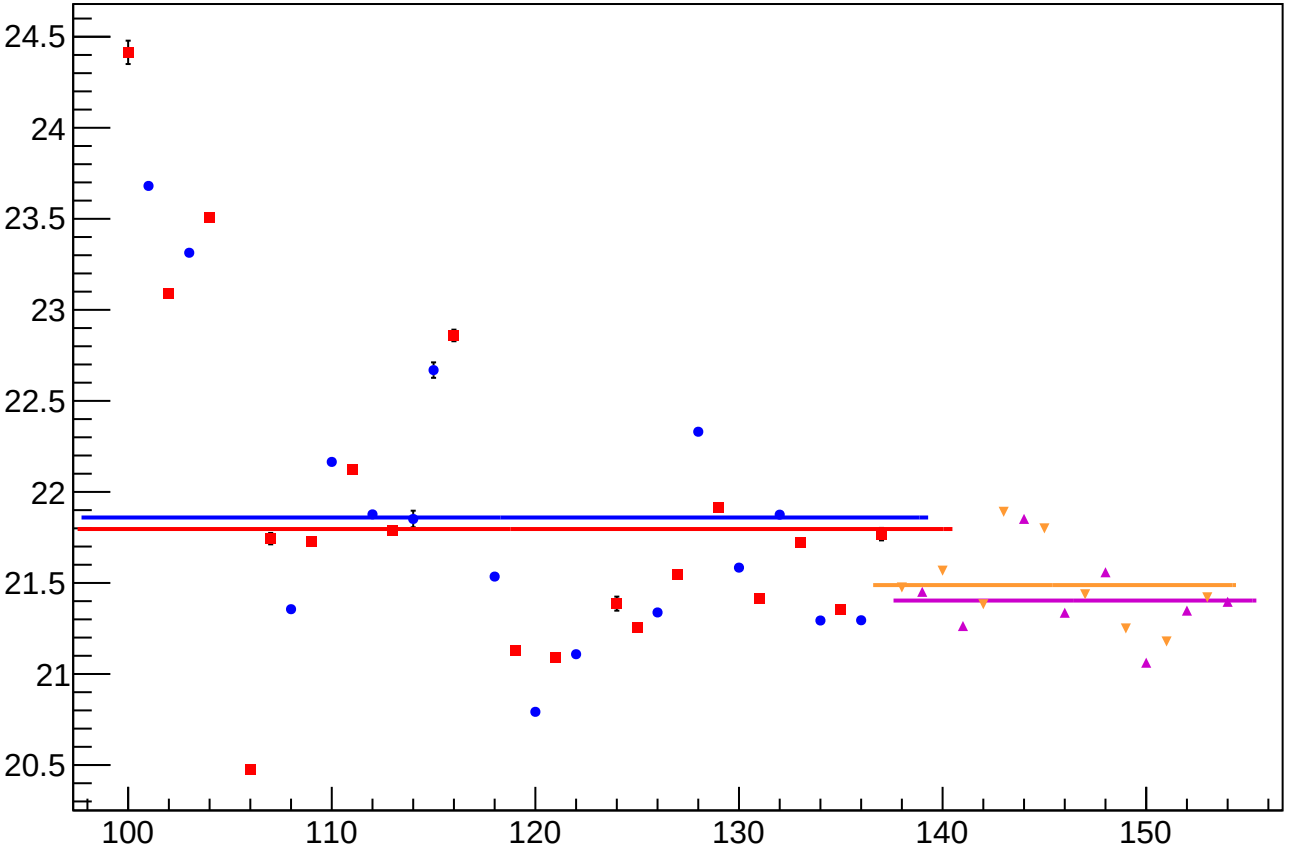
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -1.916+/-5.729 χ^2/NDF:28.2/23

Out: -18.202+/-5.678 χ^2/NDF:25.3/27

All: -10.132+/-4.033 χ^2/NDF: 57.6/51

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: 21.403+/-0.006 χ^2/NDF:1431.4/7

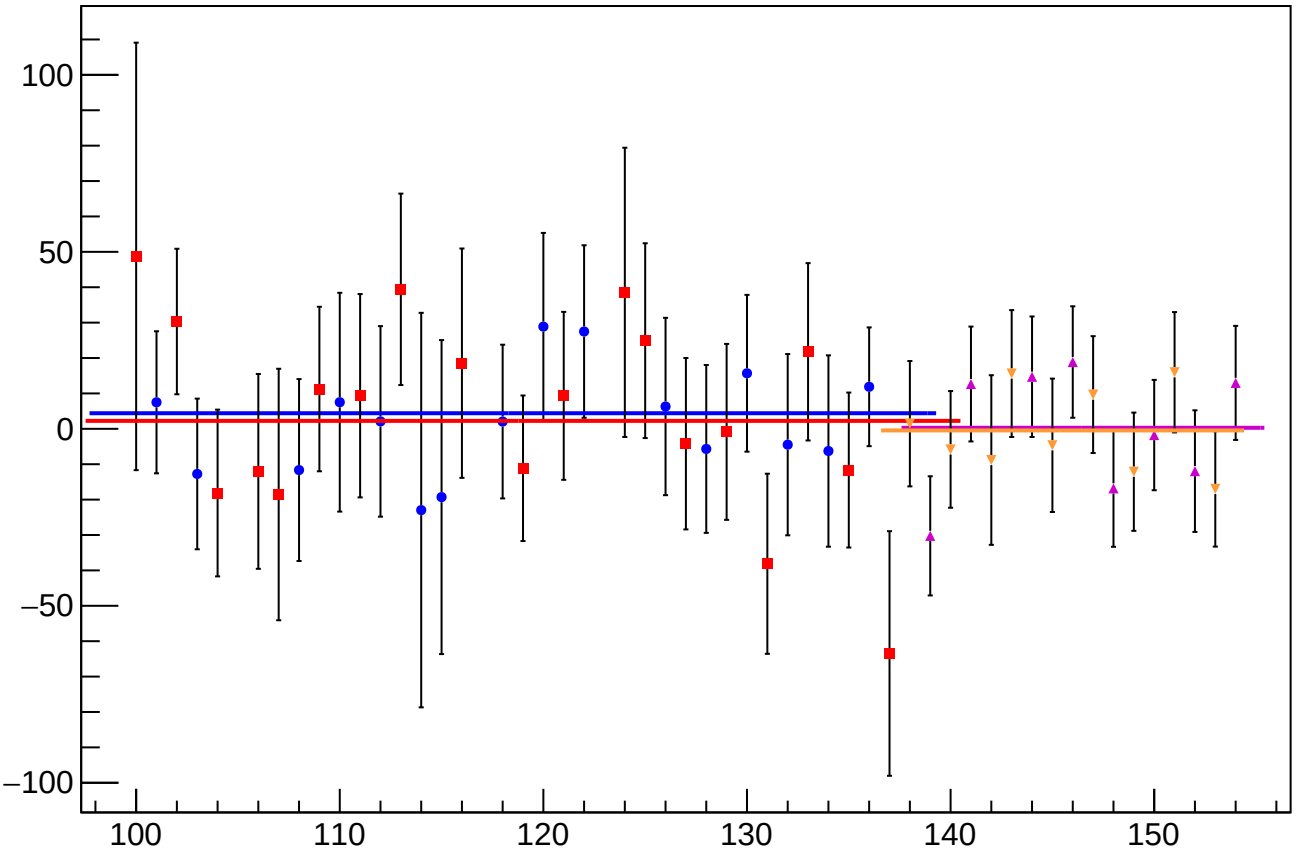
Left: 21.446+/-0.004 χ^2/NDF: 3065.0/16

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

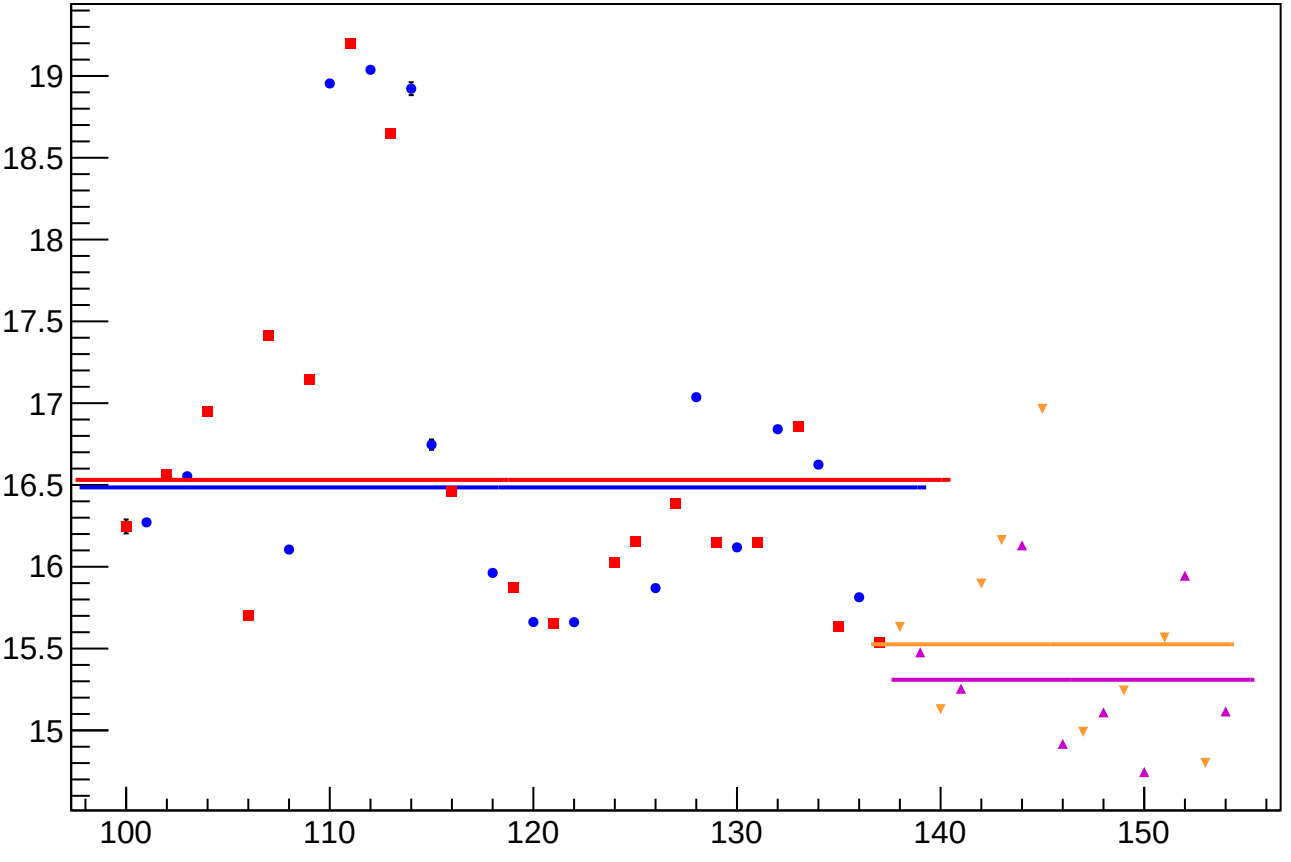
In: 21.630+/-0.004 χ^2/NDF:24069.6/23

Out: 21.645+/-0.004 χ^2/NDF:21854.4/27

All: 21.638+/-0.003 χ^2/NDF: 45931.0/51


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
Right In: 4.404+/-6.137 χ²/NDF: 4.3/15
Left Out: -0.454+/-5.870 χ²/NDF:3.9/8
Right Out: 2.244+/-6.042 χ²/NDF: 15.4/18
Left In: 0.294+/-5.789 χ²/NDF:8.2/7
Left: -0.075+/-4.122 χ²/NDF: 12.1/16
Right: 3.307+/-4.306 χ²/NDF: 19.7/34
In: 2.229+/-4.211 χ²/NDF:12.7/23
Out: 0.856+/-4.210 χ²/NDF:19.4/27
All: 1.542+/-2.978 χ²/NDF: 32.2/51

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: 15.309+/-0.004 χ^2/NDF:12057.9/7

Left: 15.416+/-0.003 χ^2/NDF: 35975.7/16

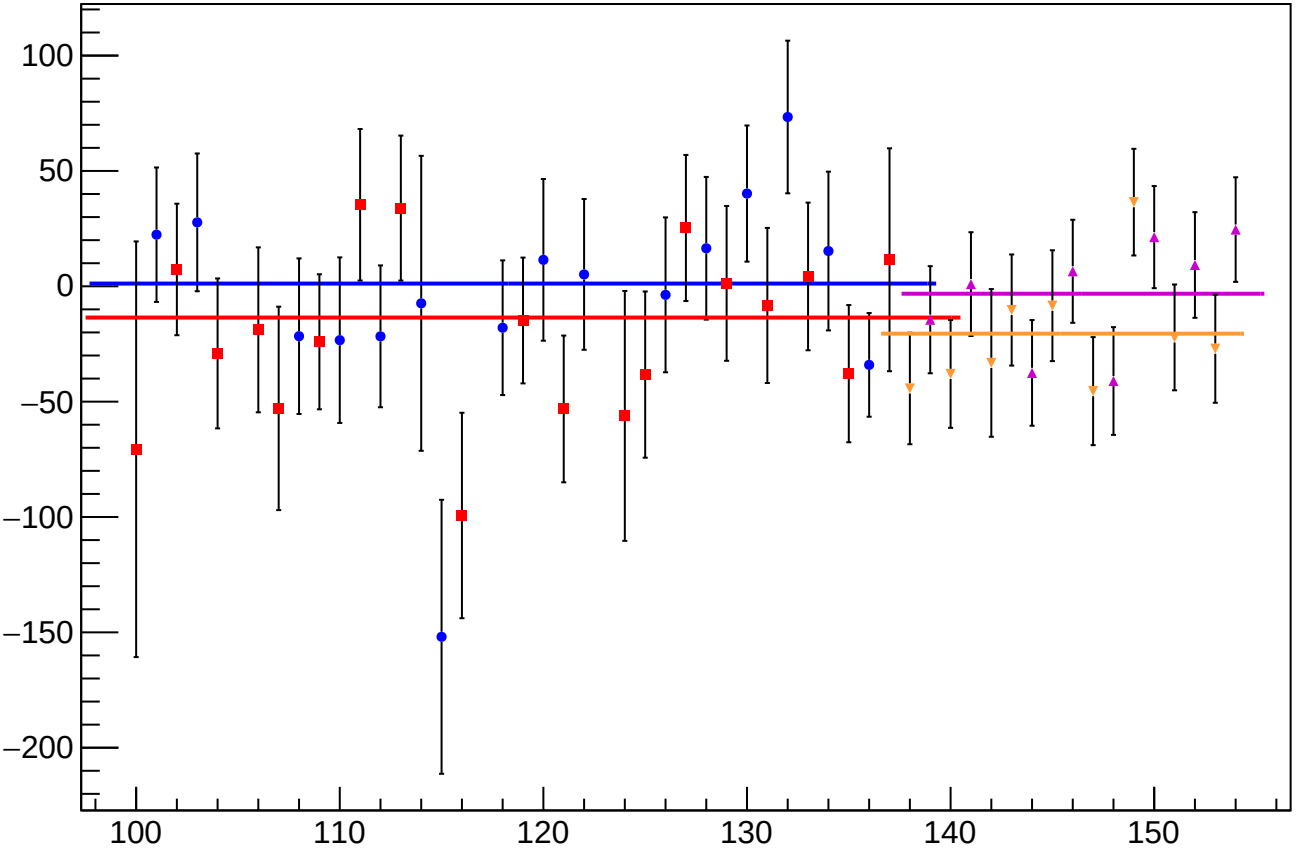
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.863+/-0.003 χ^2/NDF:98086.6/23

Out: 16.014+/-0.003 χ^2/NDF:97484.1/27

All: 15.939+/-0.002 χ^2/NDF: 196860.4/51

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: -3.219+/-8.038 χ^2/NDF:8.4/7

Left: -11.848+/-5.692 χ^2/NDF: 20.1/16

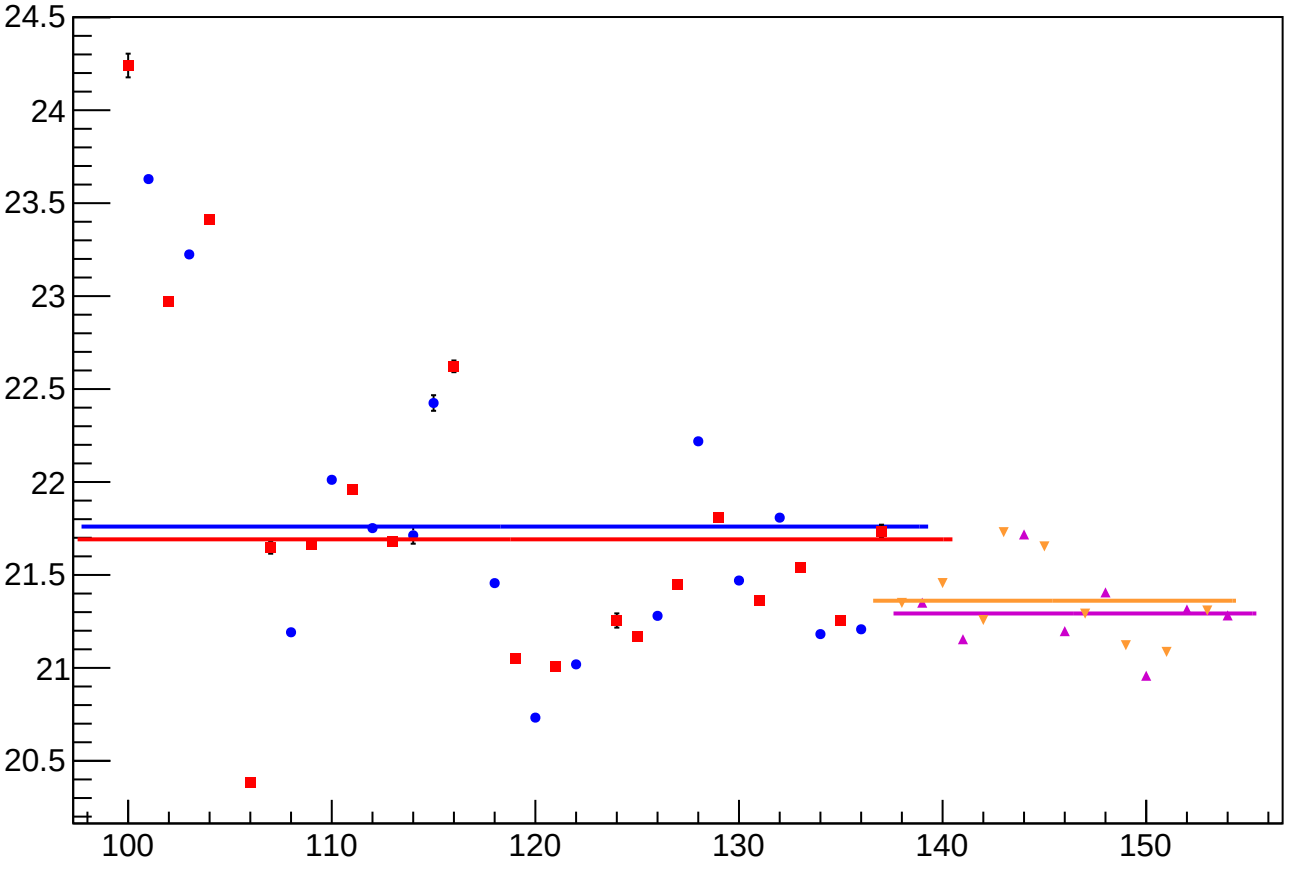
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -1.031+/-5.701 χ^2/NDF:27.9/23

Out: -16.973+/-5.648 χ^2/NDF:25.7/27

All: -9.077+/-4.012 χ^2/NDF: 57.6/51

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: 21.293+/-0.006 χ^2/NDF:1322.0/7

Left: 21.327+/-0.004 χ^2/NDF: 2744.4/16

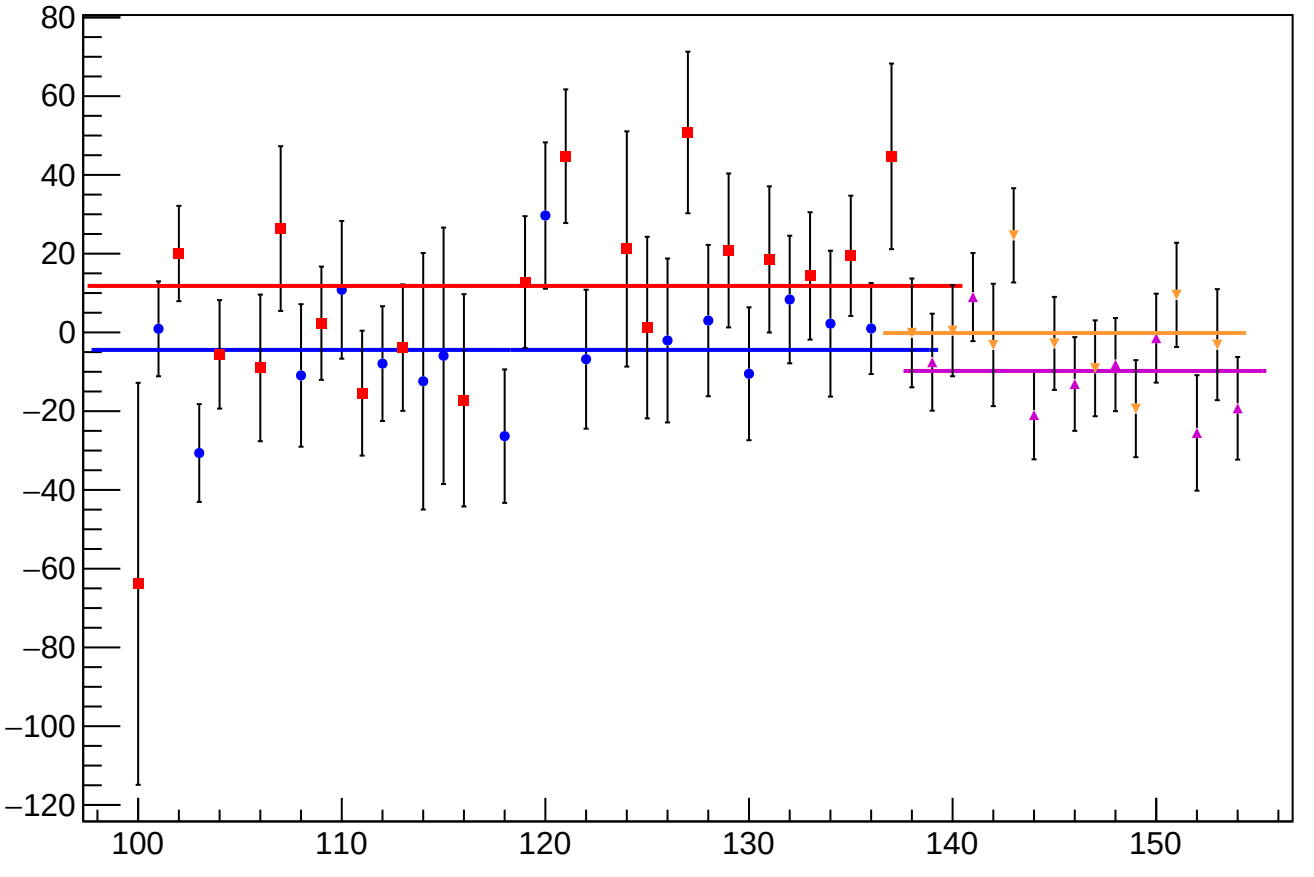
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.525+/-0.004 χ^2/NDF:24429.8/23

Out: 21.530+/-0.004 χ^2/NDF:21388.8/27

All: 21.527+/-0.003 χ^2/NDF: 45819.3/51

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: -9.784+/-4.261 χ^2/NDF:6.2/7

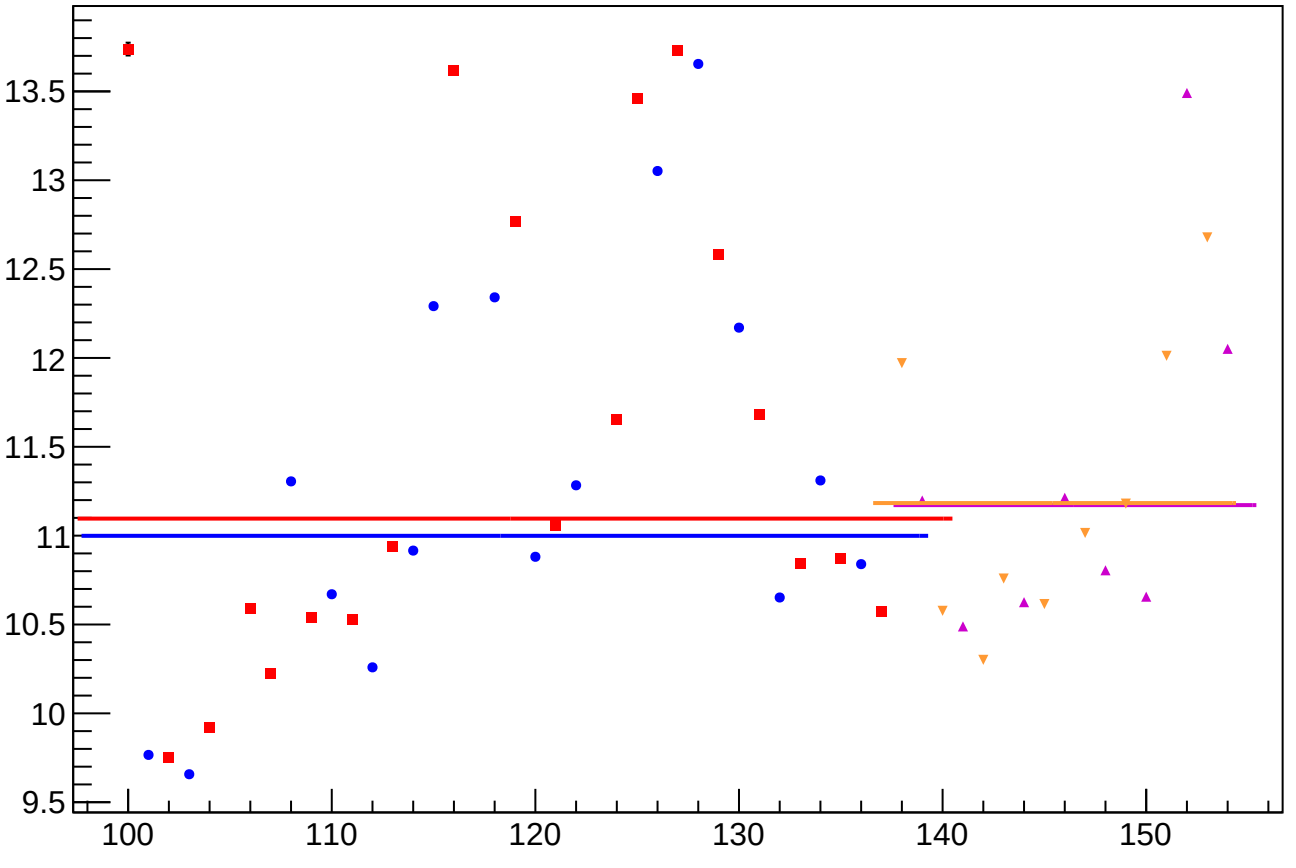
Left: -4.968+/-3.014 χ^2/NDF: 16.6/16

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -7.029+/-2.966 χ^2/NDF:18.9/23

Out: 6.064+/-2.954 χ^2/NDF:33.8/27

All: -0.455+/-2.093 χ^2/NDF: 62.5/51



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: 11.172+/-0.003 χ^2/NDF:77391.4/7

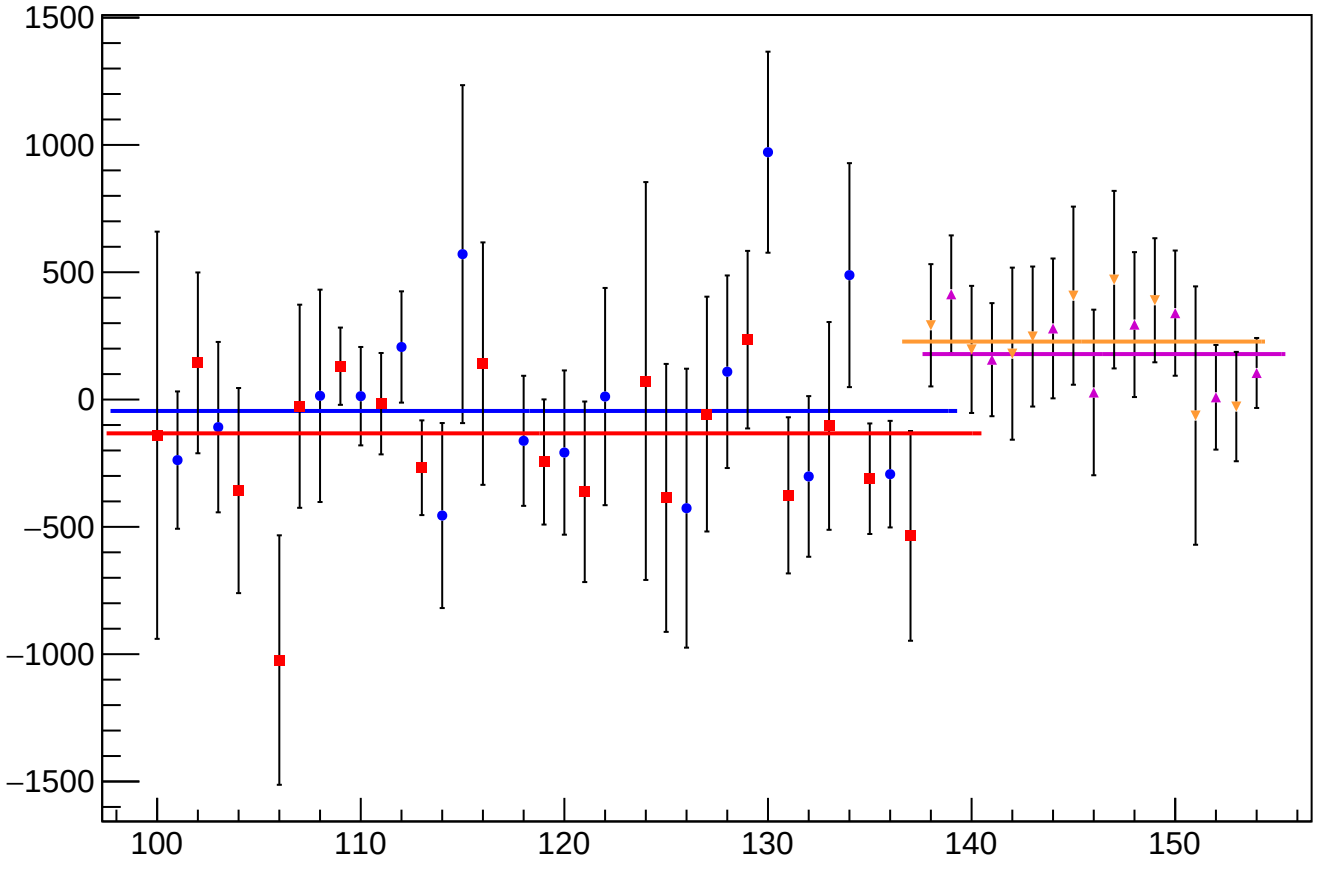
Left: 11.178+/-0.002 χ^2/NDF: 133680.5/16

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

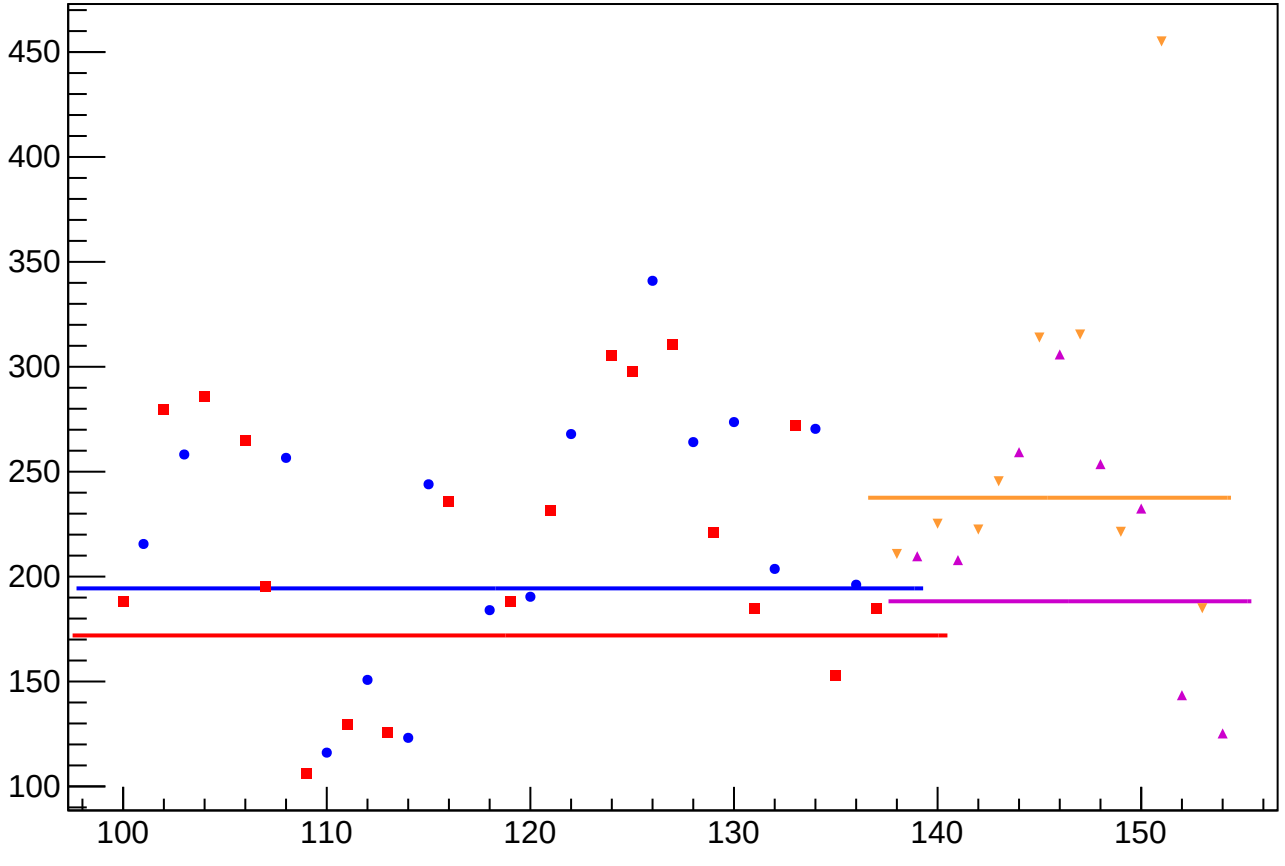
In: 11.083+/-0.002 χ^2/NDF:215246.7/23

Out: 11.138+/-0.002 χ^2/NDF:219628.2/27

All: 11.110+/-0.001 χ^2/NDF: 435222.7/51


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 227.720+/-93.579 χ²/NDF:3.0/8
Right Out: -132.730+/-68.270 χ²/NDF: 12.9/18
Left In: 178.611+/-77.333 χ²/NDF:3.0/7
Left: 198.539+/-59.612 χ²/NDF: 6.2/16
Right: -93.703+/-50.914 χ²/NDF: 29.0/34
In: 65.585+/-54.358 χ²/NDF:22.6/23
Out: -7.525+/-55.152 χ²/NDF:25.6/27
All: 29.560+/-38.715 χ²/NDF: 49.1/51

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: 188.233+/-0.055 χ^2/NDF:1113685.3/7

Left: 208.262+/-0.042 χ^2/NDF: 2171273.3/16

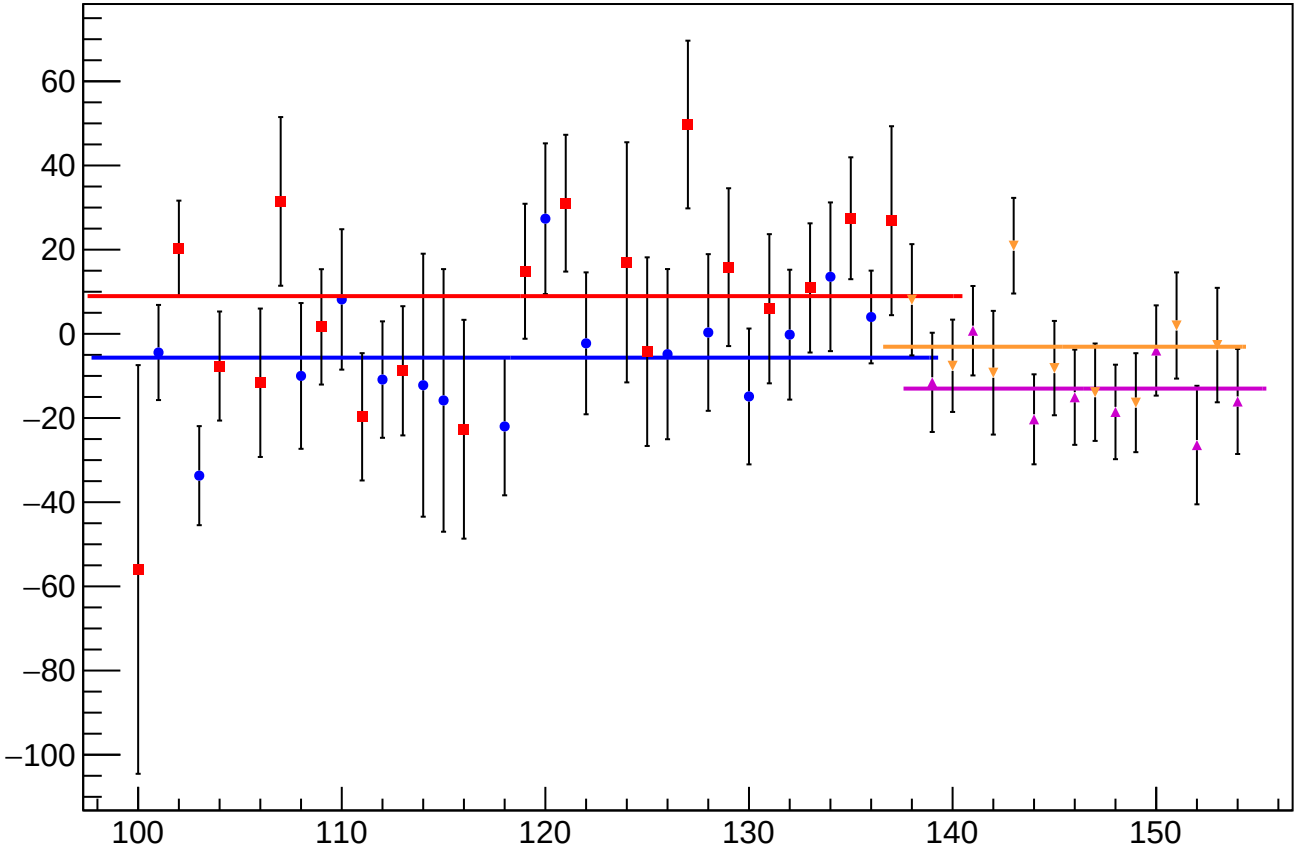
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 191.346+/-0.038 χ^2/NDF:2162113.0/23

Out: 194.750+/-0.039 χ^2/NDF:3020583.6/27

All: 193.023+/-0.027 χ^2/NDF: 5186562.3/51

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: -13.009+/-4.058 χ^2/NDF:4.1/7

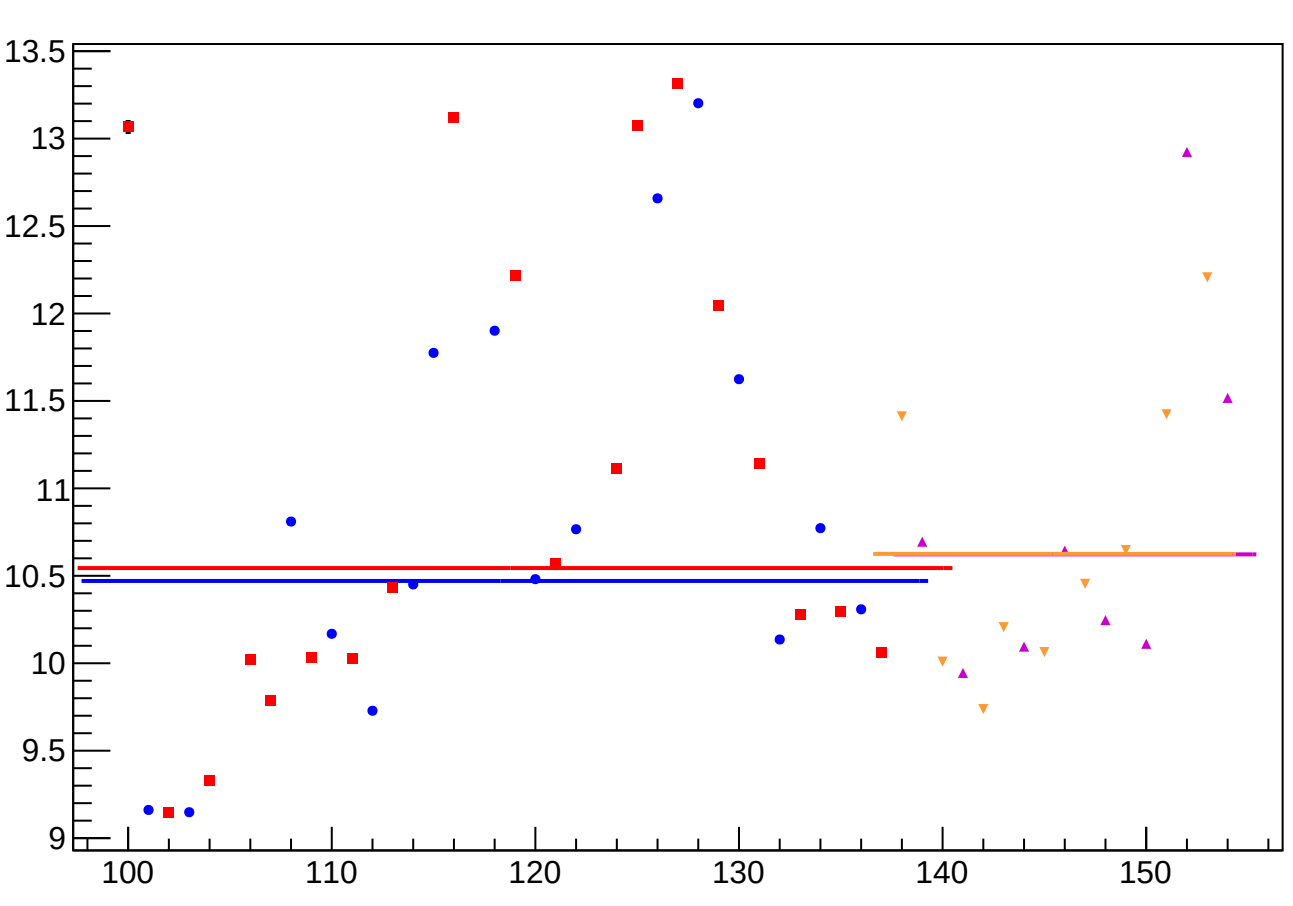
Left: -8.033+/-2.869 χ^2/NDF: 15.2/16

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -9.224+/-2.827 χ^2/NDF:19.5/23

Out: 3.184+/-2.812 χ^2/NDF:35.4/27

All: -2.987+/-1.993 χ^2/NDF: 64.6/51



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: 10.623+/-0.003 χ^2/NDF:83583.0/7

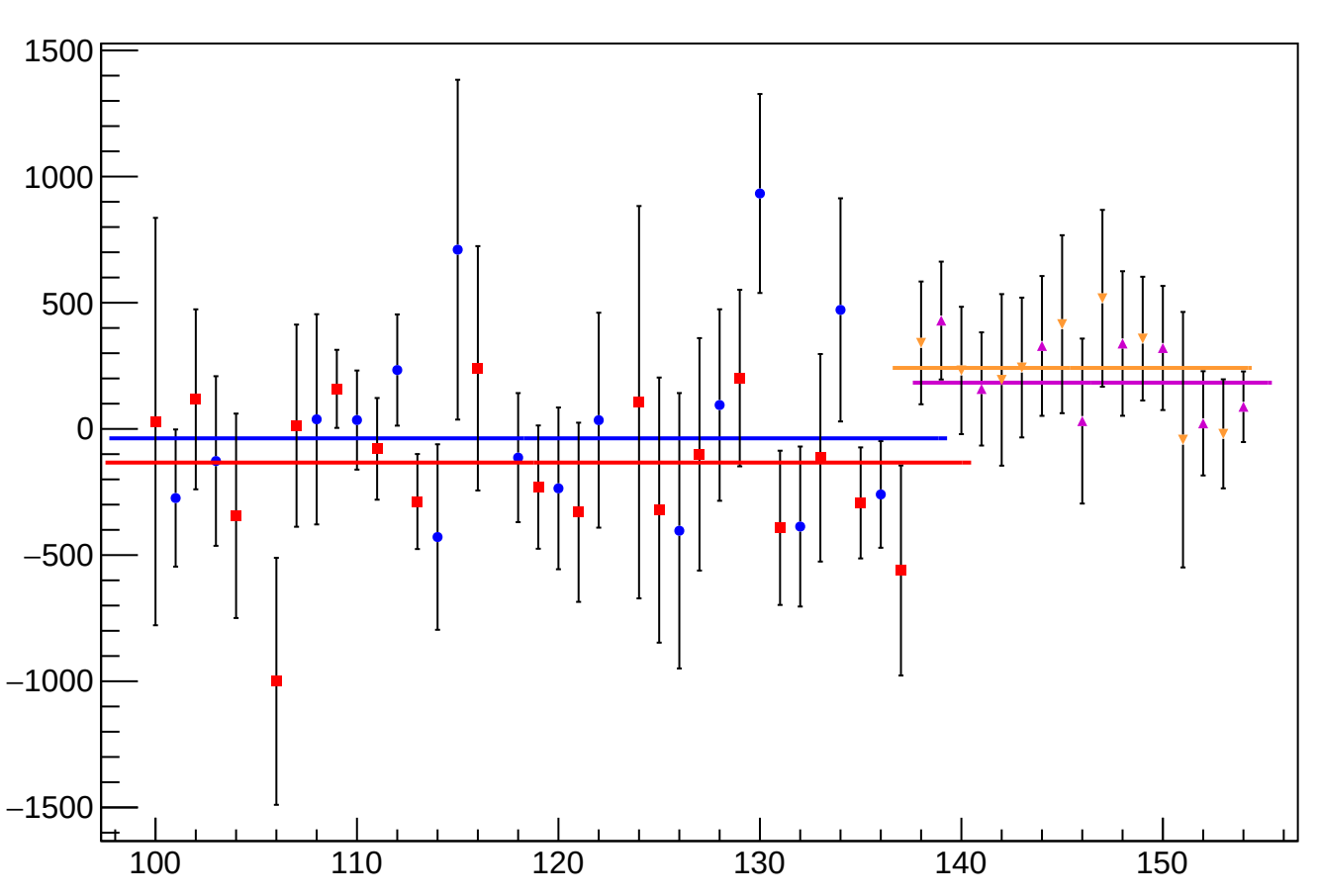
Left: 10.624+/-0.002 χ^2/NDF: 147522.6/16

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.544+/-0.002 χ^2/NDF:242393.5/23

Out: 10.583+/-0.002 χ^2/NDF:251134.7/27

All: 10.564+/-0.001 χ^2/NDF: 493719.4/51



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: 183.286+/-78.128 χ^2/NDF:3.3/7

Left: 207.057+/-60.162 χ^2/NDF: 6.6/16

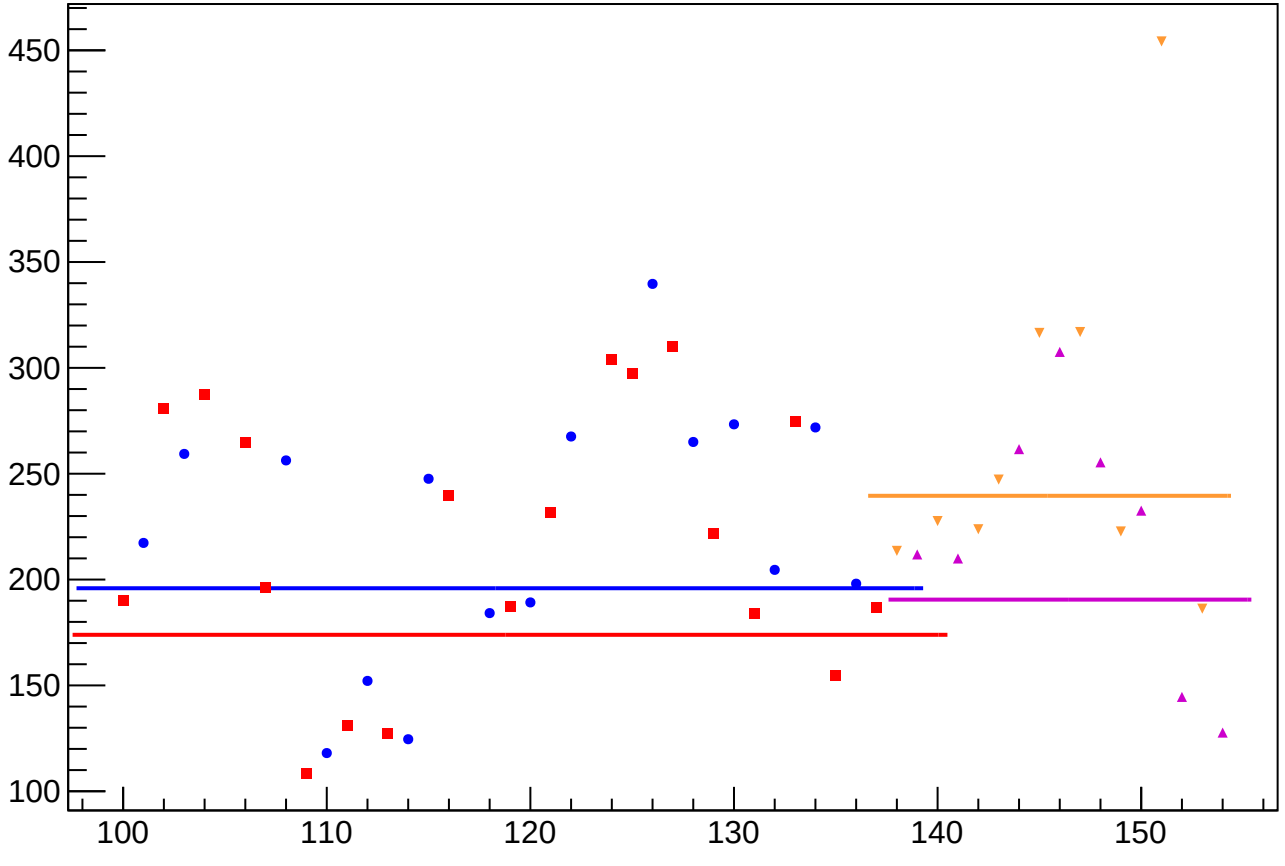
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 71.297+/-54.811 χ^2/NDF:23.0/23

Out: -2.877+/-55.624 χ^2/NDF:26.3/27

All: 34.757+/-39.042 χ^2/NDF: 50.2/51

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 239.567+/-0.067 χ^2/NDF:716678.7/8

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 190.525+/-0.055 χ^2/NDF:1082572.8/7

Left: 210.487+/-0.043 χ^2/NDF: 2120024.6/16

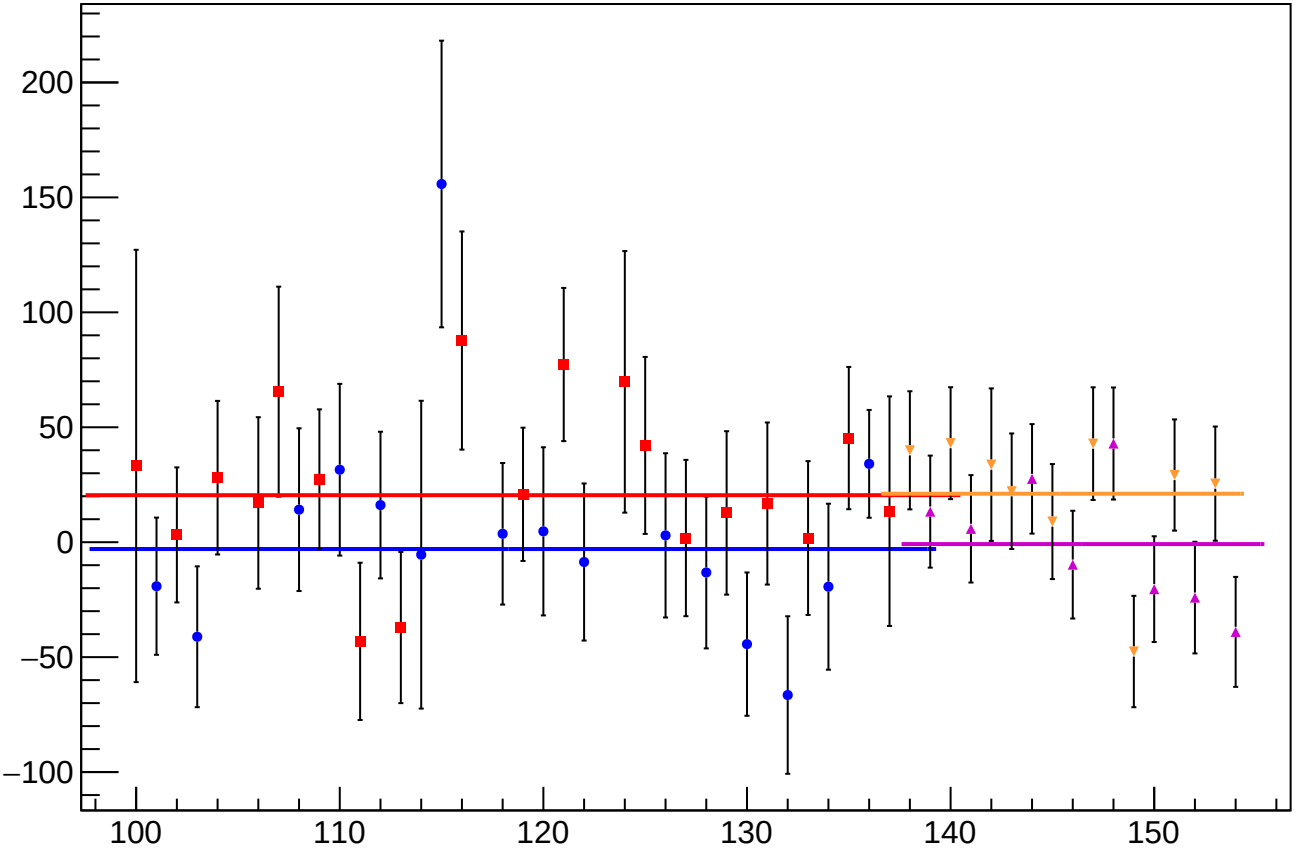
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 193.254+/-0.039 χ^2/NDF:2098392.4/23

Out: 196.750+/-0.039 χ^2/NDF:2948666.5/27

All: 194.976+/-0.028 χ^2/NDF: 5051067.5/51

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: -0.814+/-8.417 χ^2/NDF:9.4/7

Left: 10.089+/-5.965 χ^2/NDF: 23.5/16

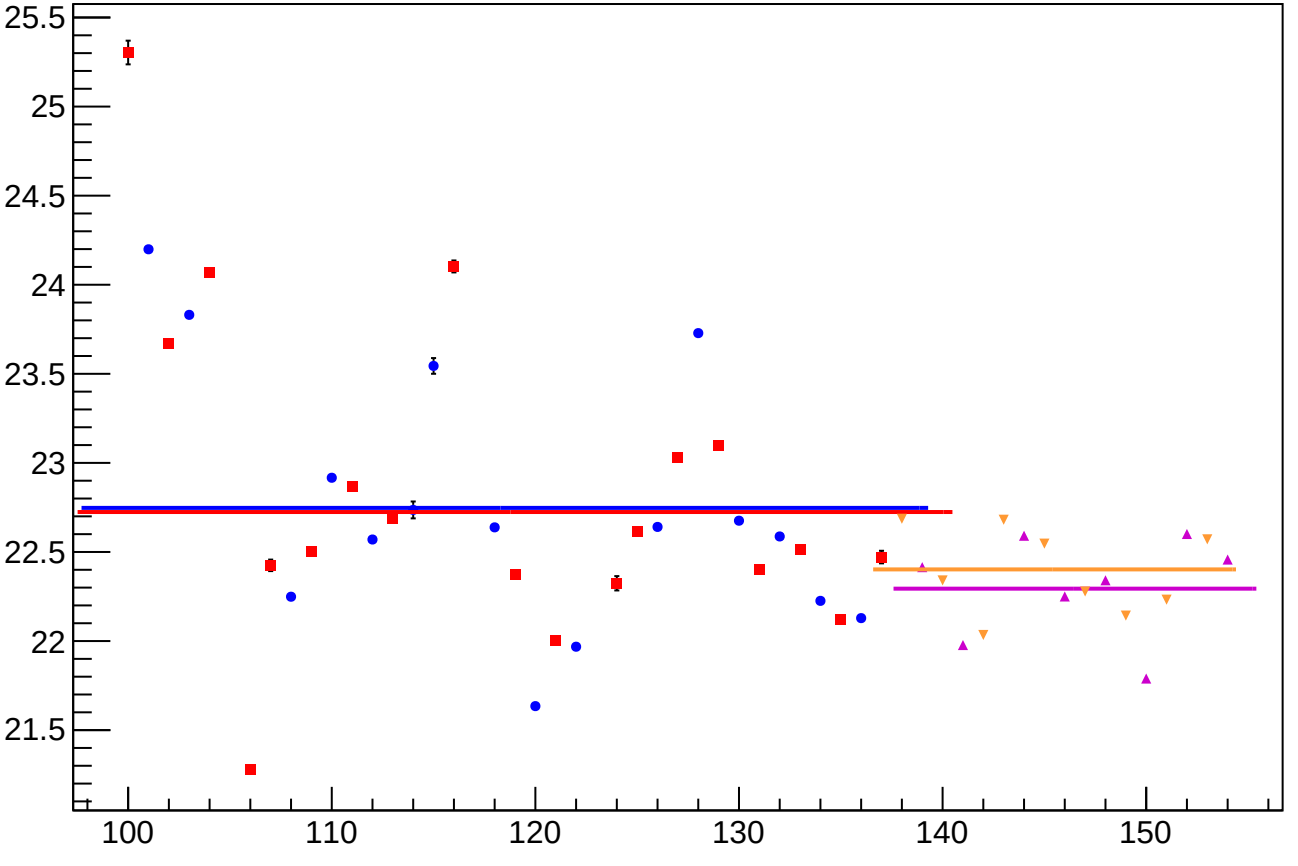
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: -1.886+/-5.965 χ^2/NDF:27.4/23

Out: 20.768+/-5.920 χ^2/NDF:26.0/27

All: 9.526+/-4.202 χ^2/NDF: 60.6/51

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: 22.294+/-0.006 χ^2/NDF:2116.1/7

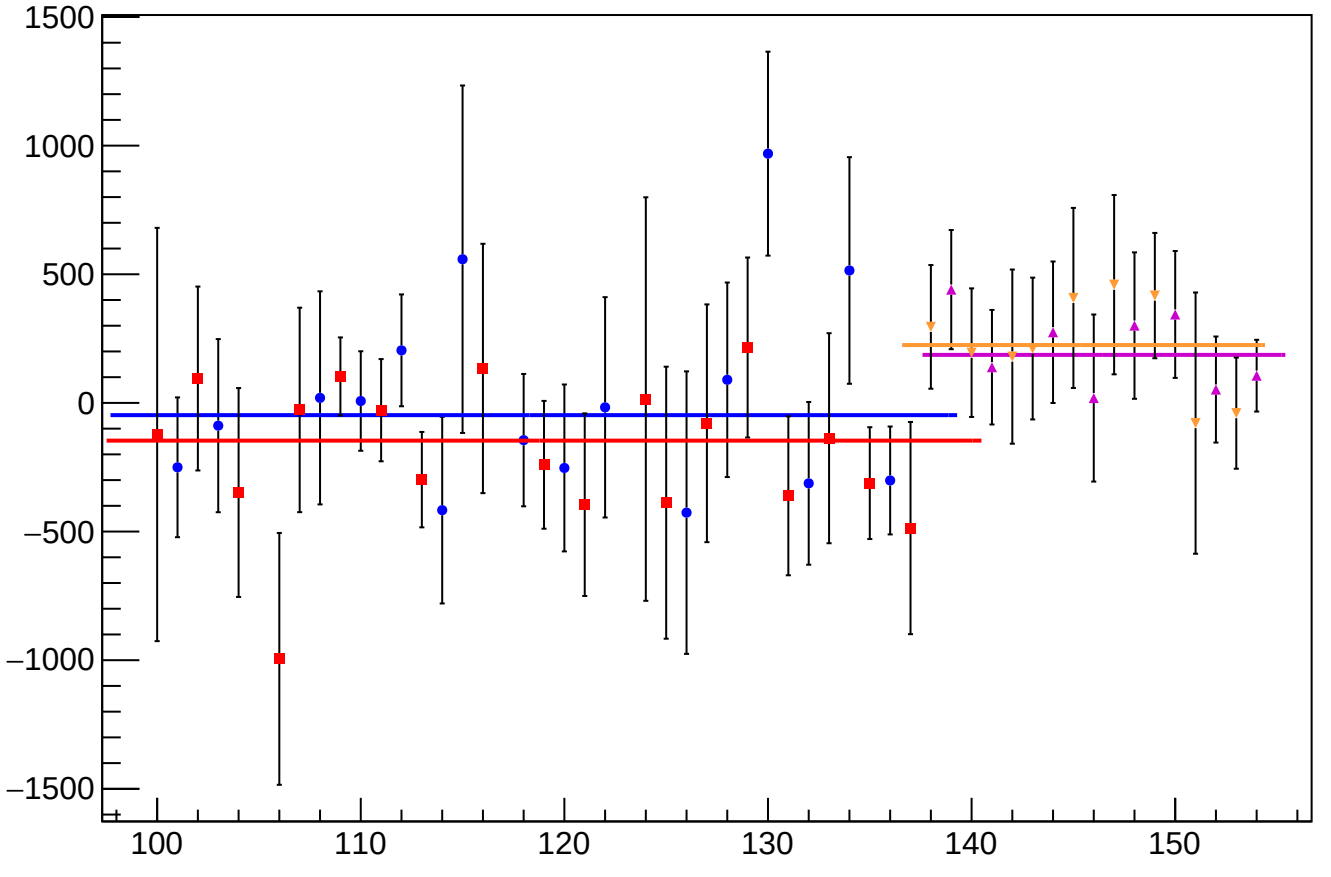
Left: 22.348+/-0.004 χ^2/NDF: 3567.8/16

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.520+/-0.004 χ^2/NDF:19628.1/23

Out: 22.566+/-0.004 χ^2/NDF:17257.8/27

All: 22.543+/-0.003 χ^2/NDF: 36947.2/51



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: 186.651+/-77.776 χ^2/NDF:2.9/7

Left: 202.238+/-59.858 χ^2/NDF: 6.4/16

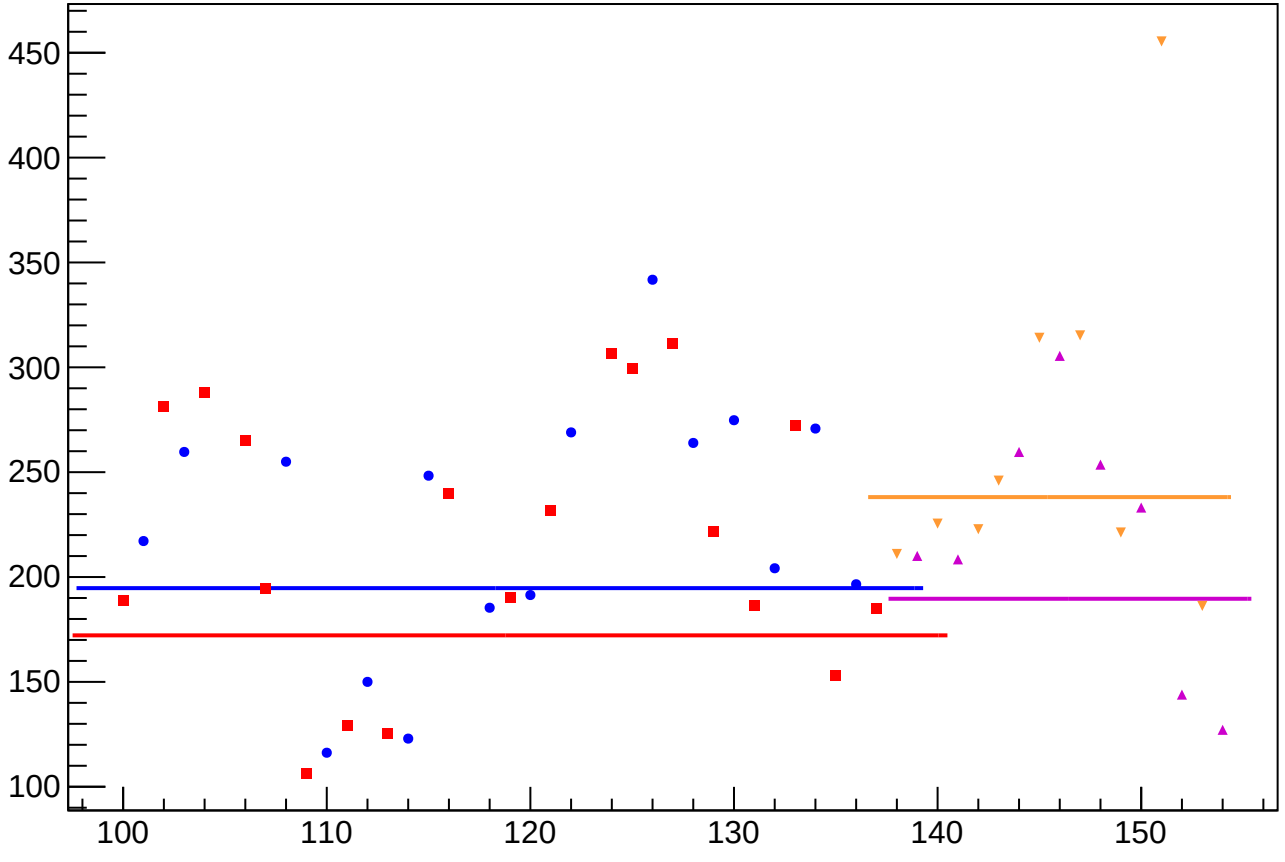
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 67.737+/-54.565 χ^2/NDF:22.9/23

Out: -17.534+/-55.255 χ^2/NDF:25.1/27

All: 25.637+/-38.825 χ^2/NDF: 49.3/51

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: 189.635+/-0.055 χ^2/NDF:1077227.2/7

Left: 209.398+/-0.042 χ^2/NDF: 2113820.0/16

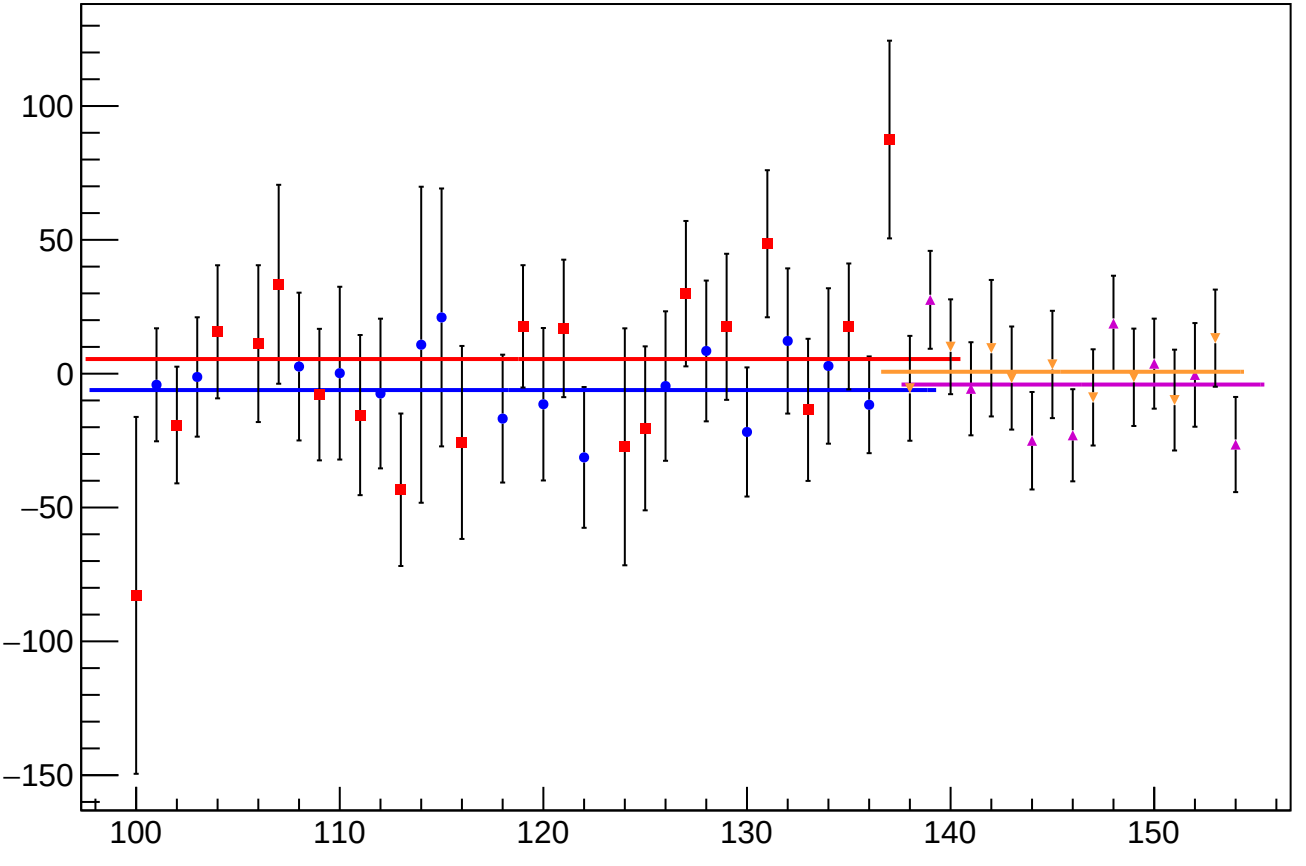
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 192.211+/-0.039 χ^2/NDF:2133837.3/23

Out: 195.088+/-0.039 χ^2/NDF:3036365.9/27

All: 193.632+/-0.027 χ^2/NDF: 5172949.0/51

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: -4.059+/-6.301 χ^2/NDF:9.0/7

Left: -1.704+/-4.487 χ^2/NDF: 10.9/16

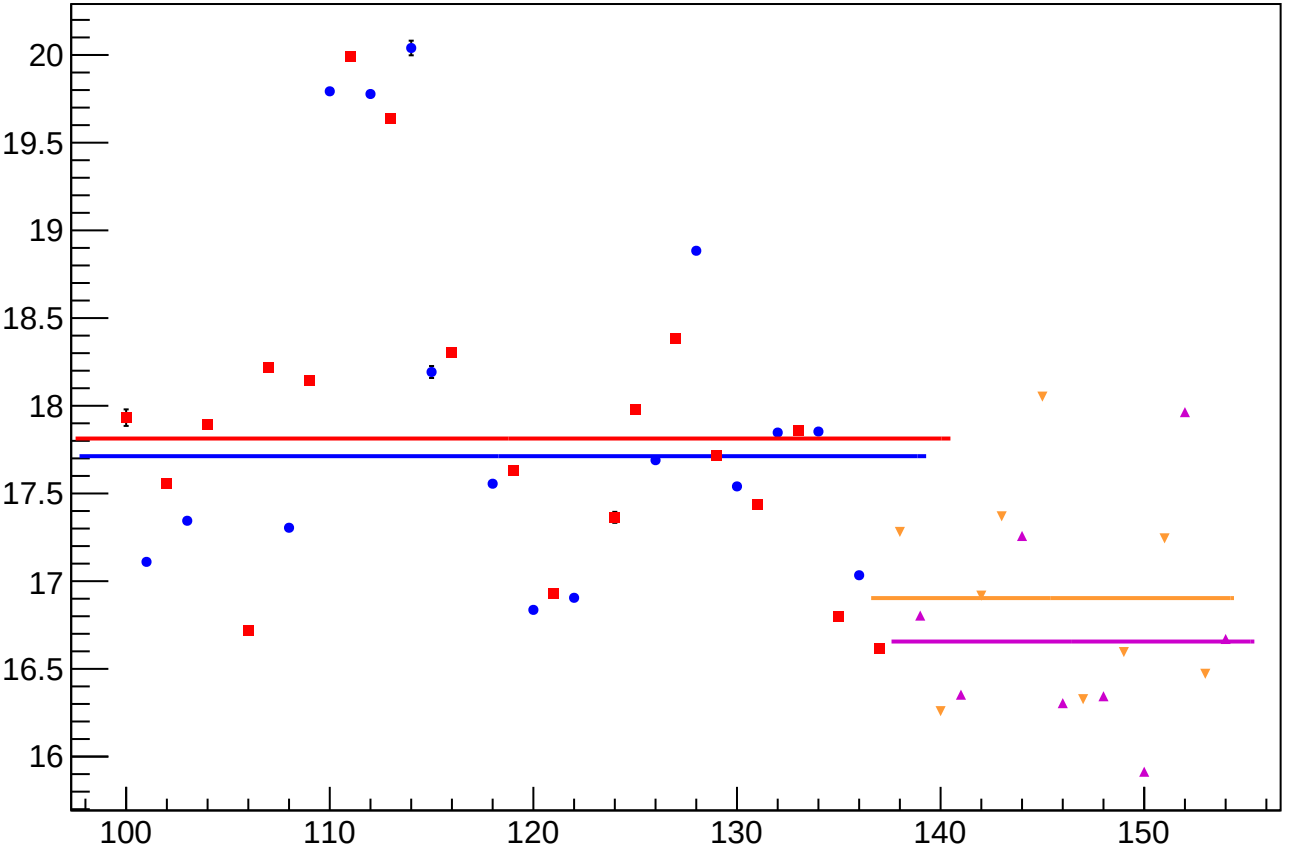
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -5.042+/-4.555 χ^2/NDF:12.2/23

Out: 3.050+/-4.560 χ^2/NDF:21.1/27

All: -1.001+/-3.223 χ^2/NDF: 34.9/51

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: 16.656+/-0.004 χ^2/NDF:17383.6/7

Left: 16.778+/-0.003 χ^2/NDF: 34448.3/16

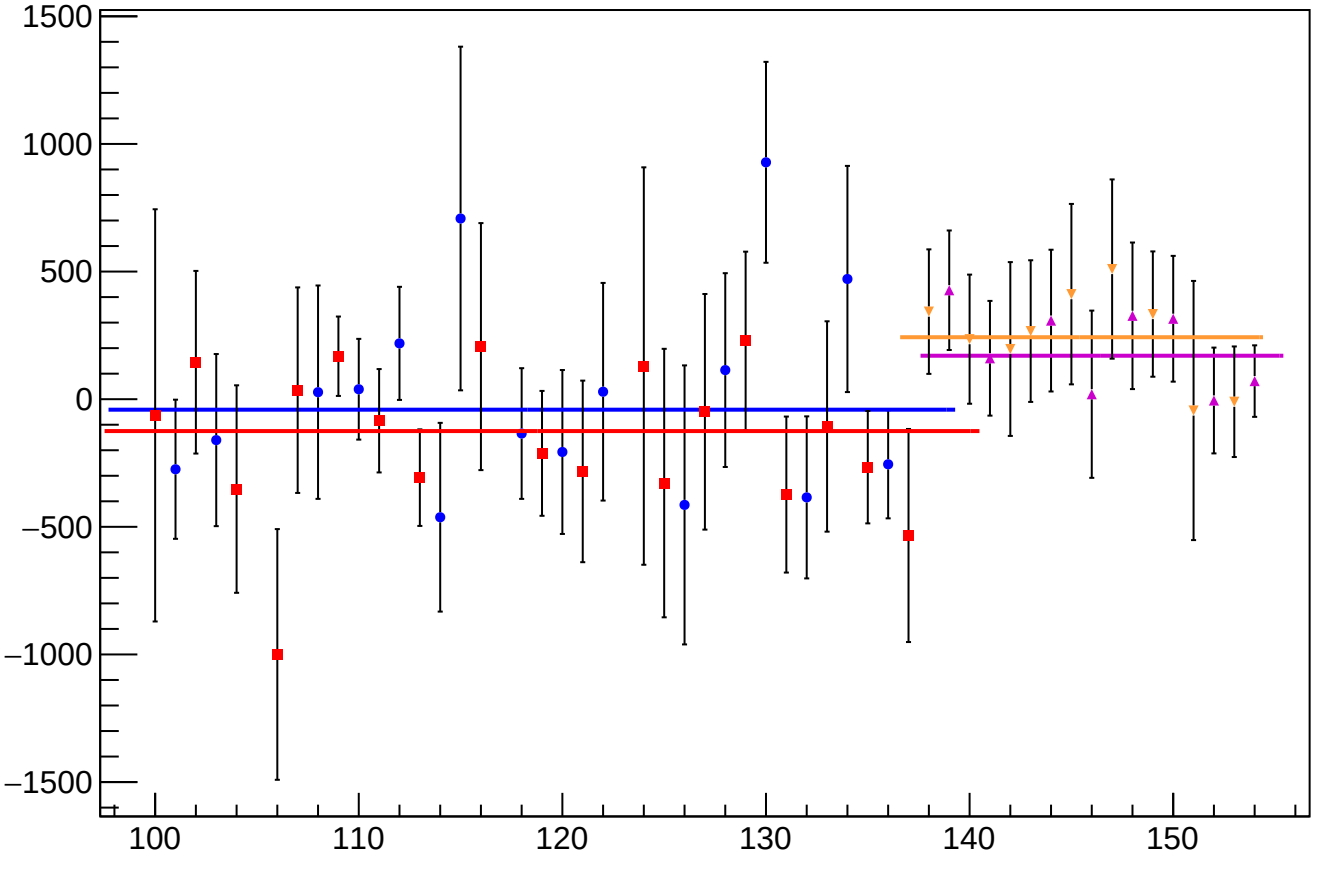
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.160+/-0.003 χ^2/NDF:80227.7/23

Out: 17.350+/-0.003 χ^2/NDF:68147.4/27

All: 17.255+/-0.002 χ^2/NDF: 150107.8/51

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: 170.291+/-78.286 χ^2/NDF:3.5/7

Left: 199.796+/-60.289 χ^2/NDF: 6.7/16

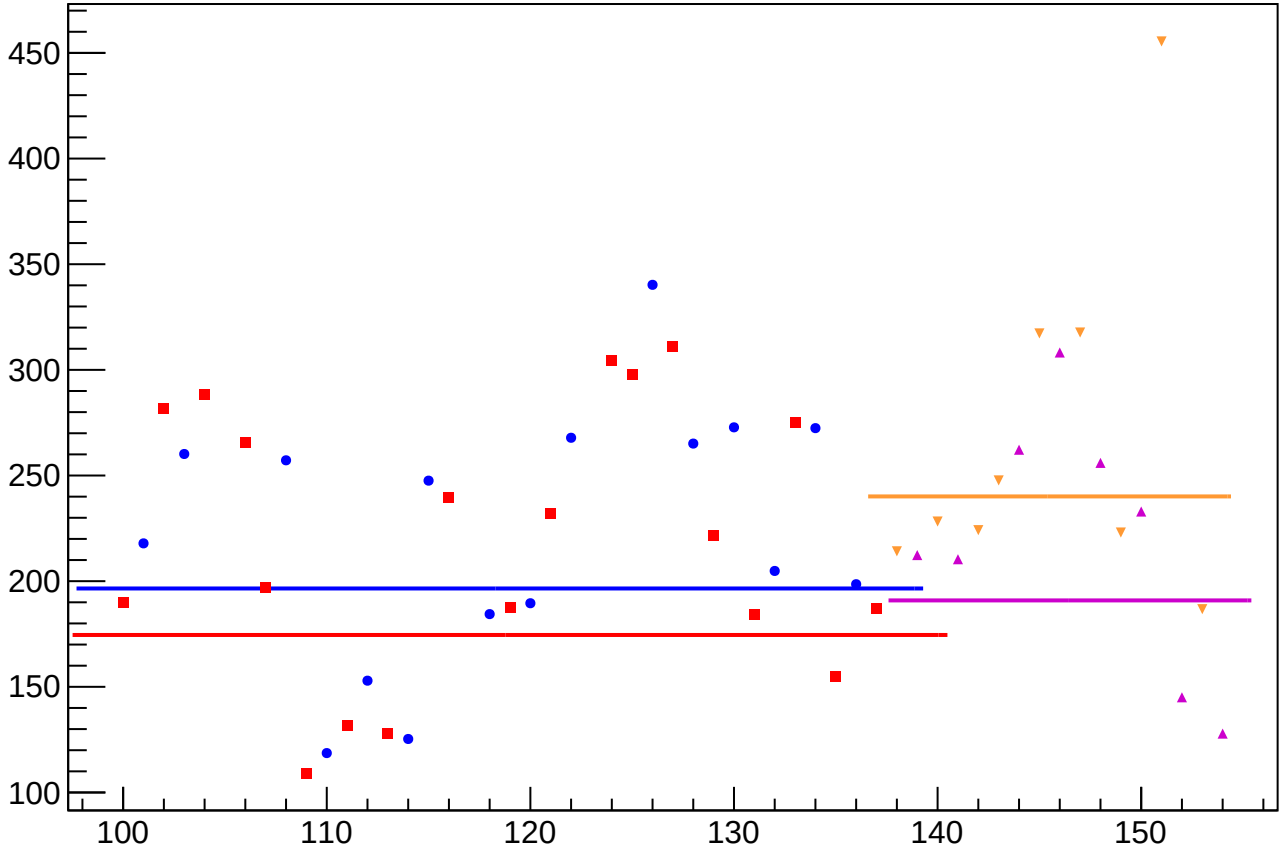
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 63.029+/-54.946 χ^2/NDF:22.8/23

Out: 3.227+/-55.785 χ^2/NDF:25.6/27

All: 33.581+/-39.146 χ^2/NDF: 49.0/51

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: 190.895+/-0.055 χ^2/NDF:1084108.3/7

Left: 210.920+/-0.043 χ^2/NDF: 2122440.5/16

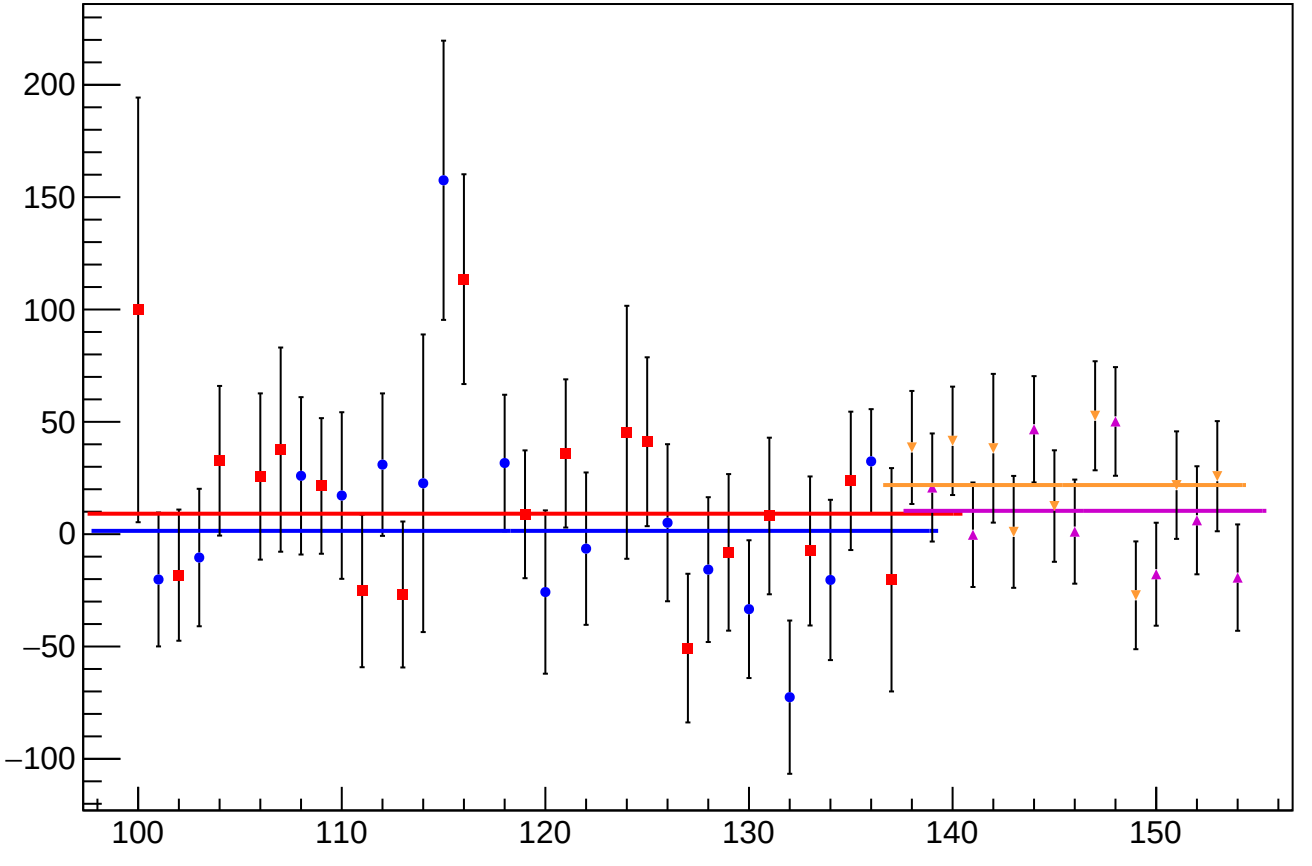
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 193.760+/-0.039 χ^2/NDF:2090159.7/23

Out: 197.383+/-0.039 χ^2/NDF:2932660.6/27

All: 195.544+/-0.028 χ^2/NDF: 5027102.6/51

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: 10.389+/-8.346 χ^2/NDF:8.7/7

Left: 16.116+/-5.908 χ^2/NDF: 17.7/16

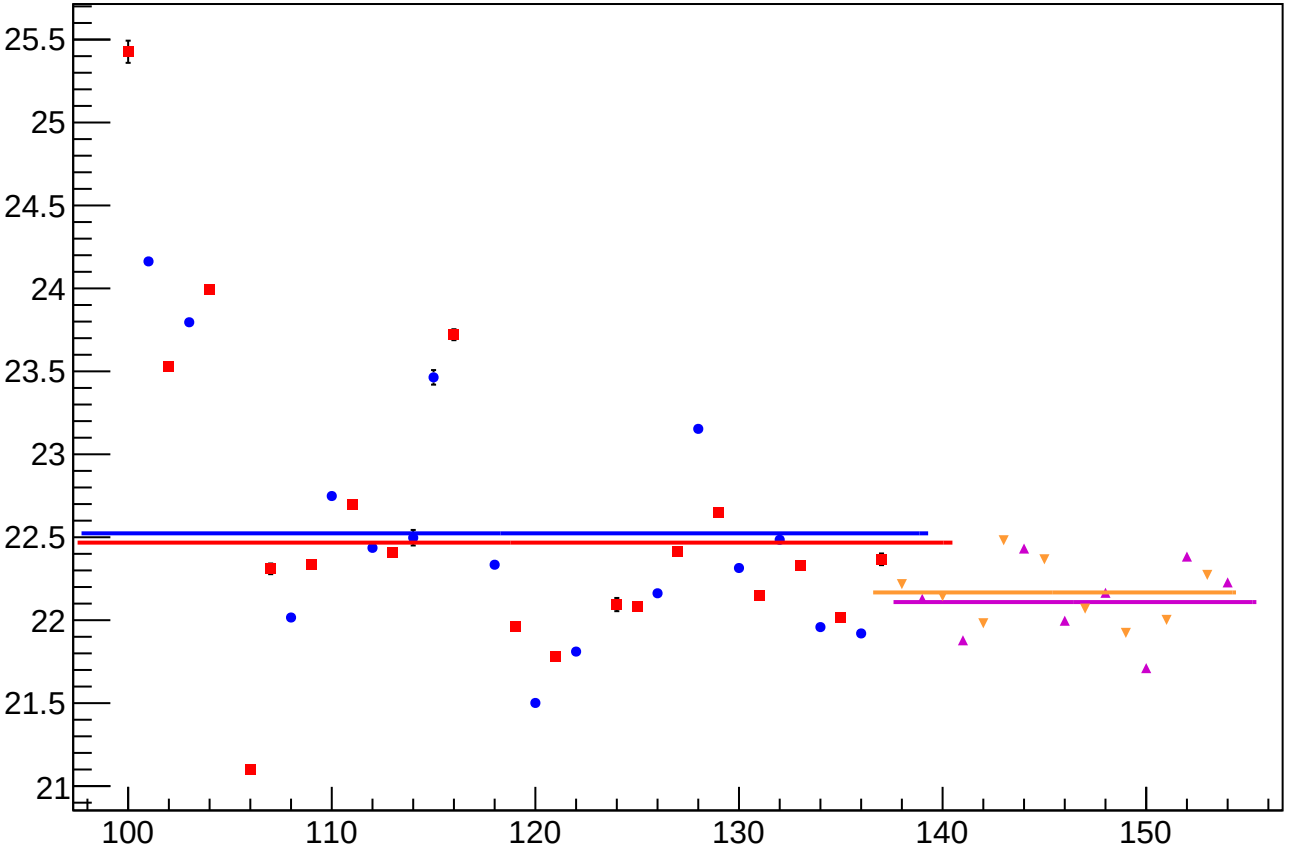
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.945+/-5.910 χ^2/NDF:28.0/23

Out: 15.362+/-5.855 χ^2/NDF:25.7/27

All: 10.698+/-4.159 χ^2/NDF: 54.9/51

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: 22.109+/-0.006 χ^2/NDF:1541.4/7

Left: 22.138+/-0.004 χ^2/NDF: 2482.2/16

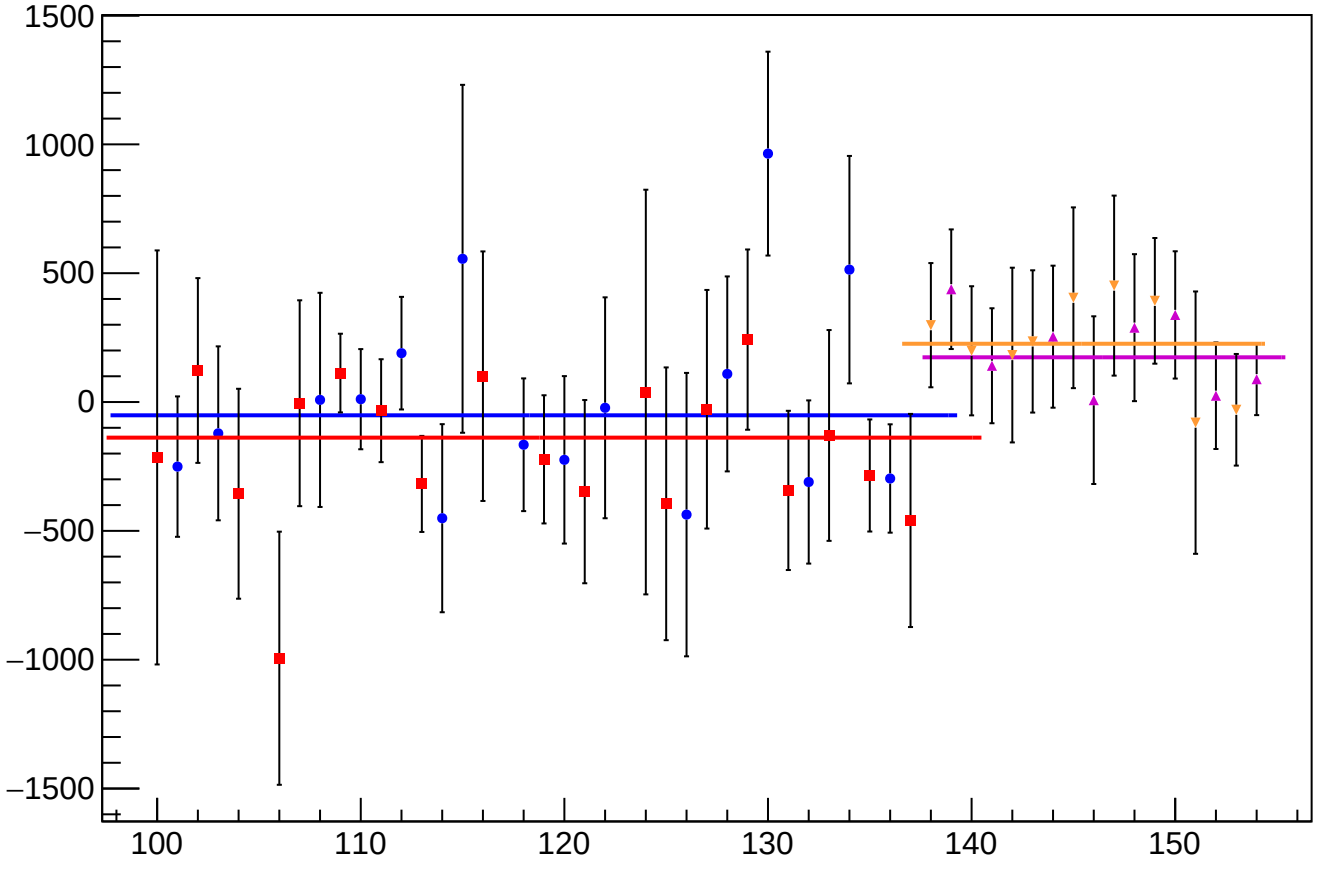
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.316+/-0.004 χ^2/NDF:19946.8/23

Out: 22.320+/-0.004 χ^2/NDF:17834.0/27

All: 22.318+/-0.003 χ^2/NDF: 37781.4/51

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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: 173.575+/-77.934 χ^2/NDF:3.2/7

Left: 195.010+/-59.985 χ^2/NDF: 6.4/16

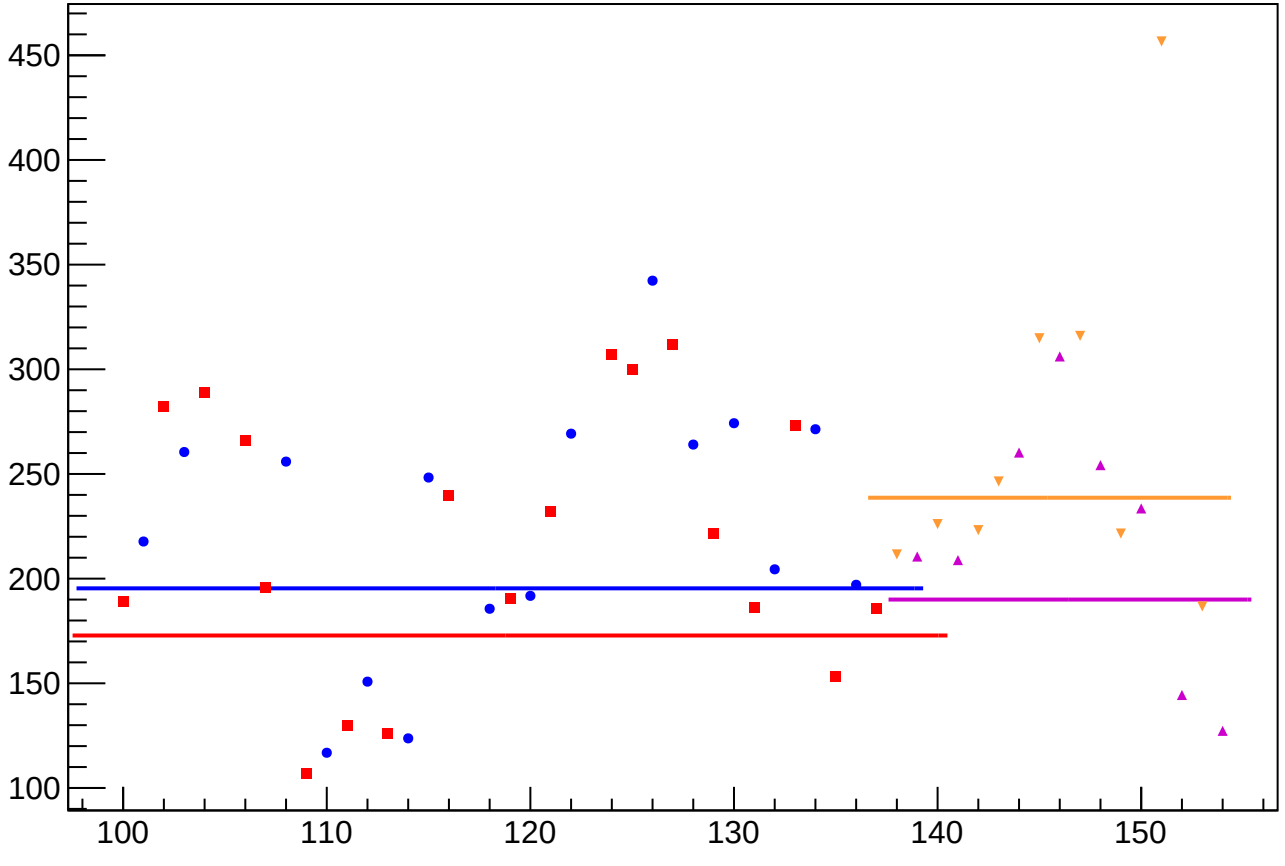
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 59.389+/-54.702 χ^2/NDF:22.7/23

Out: -11.439+/-55.418 χ^2/NDF:24.4/27

All: 24.436+/-38.931 χ^2/NDF: 48.0/51

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: 190.007+/-0.055 χ^2/NDF:1078779.9/7

Left: 209.832+/-0.042 χ^2/NDF: 2116233.6/16

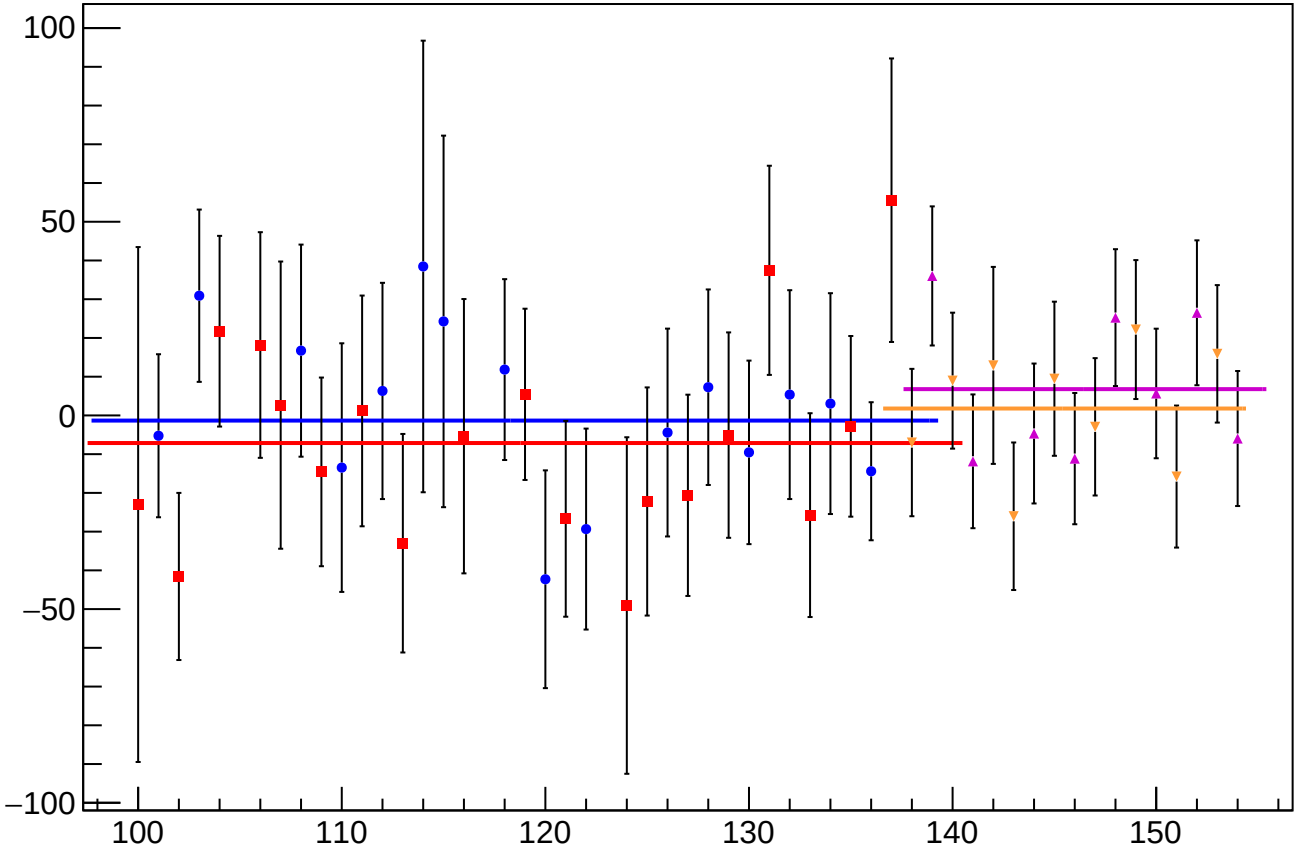
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 192.723+/-0.039 χ^2/NDF:2125000.5/23

Out: 195.731+/-0.039 χ^2/NDF:3019217.4/27

All: 194.208+/-0.028 χ^2/NDF: 5147201.8/51

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: 6.789+/-6.210 χ^2/NDF:8.1/7

Left: 4.317+/-4.419 χ^2/NDF: 14.2/16

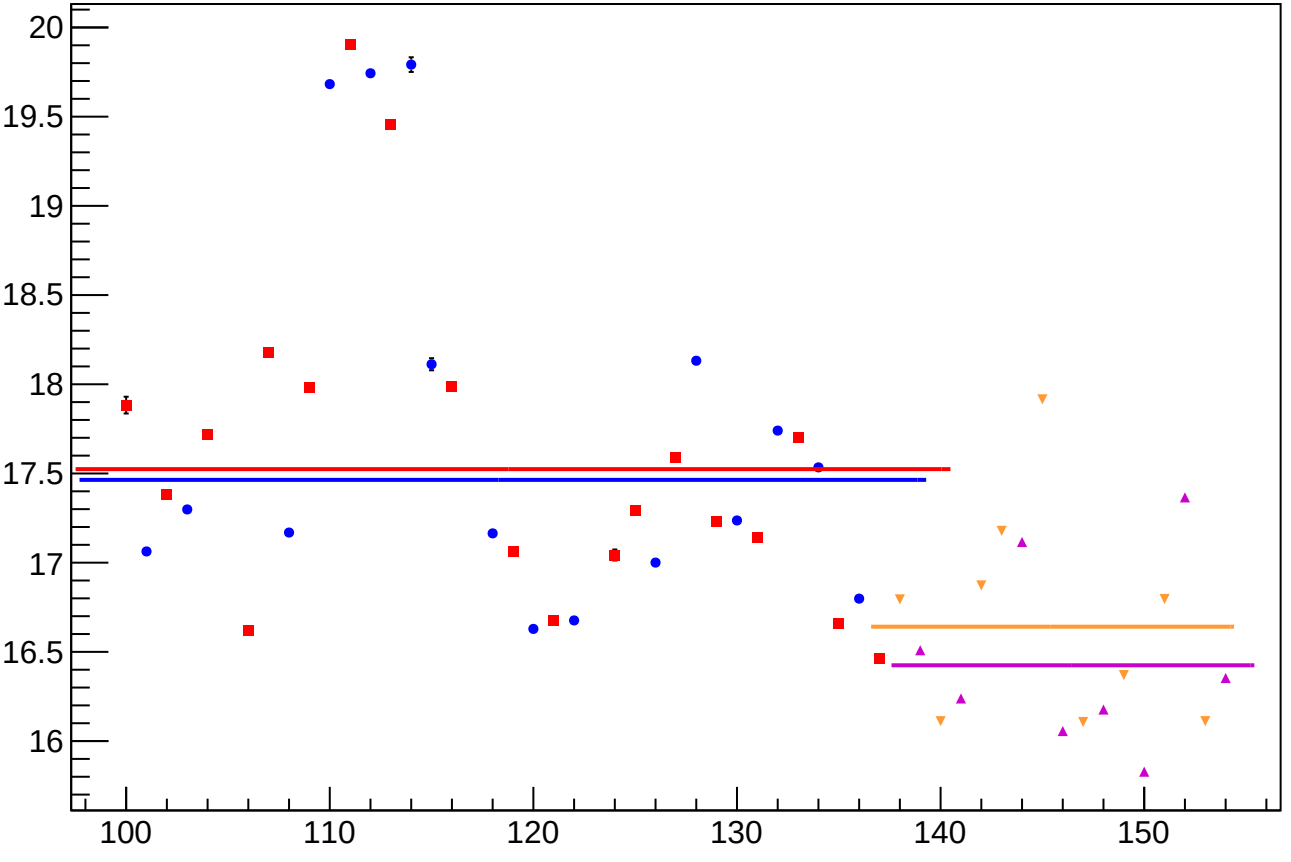
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.913+/-4.490 χ^2/NDF:16.9/23

Out: -2.594+/-4.487 χ^2/NDF:21.2/27

All: 0.158+/-3.174 χ^2/NDF: 38.8/51

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: 16.425+/-0.004 χ^2/NDF:12185.3/7

Left: 16.532+/-0.003 χ^2/NDF: 29494.6/16

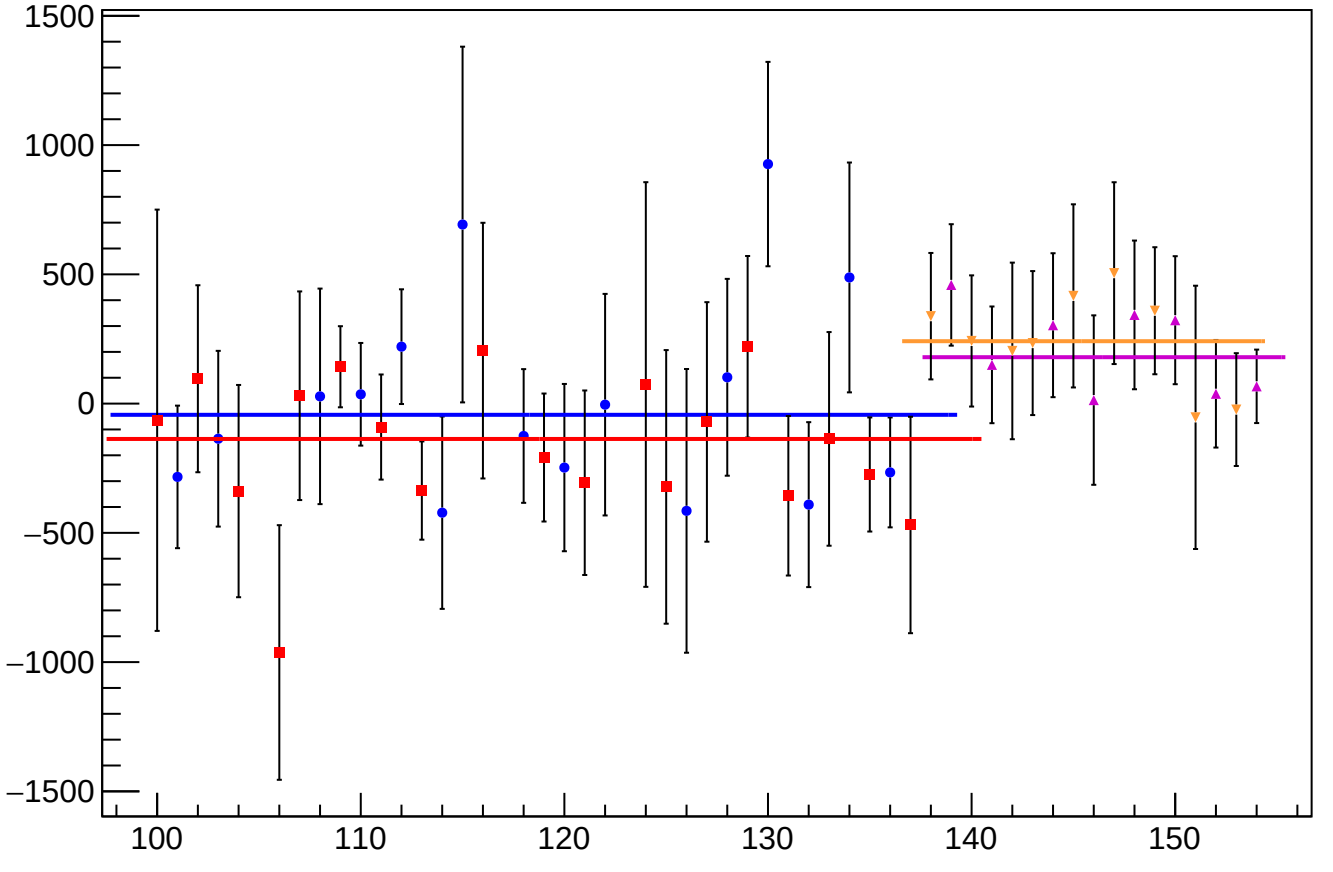
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.921+/-0.003 χ^2/NDF:75573.7/23

Out: 17.075+/-0.003 χ^2/NDF:70205.7/27

All: 16.998+/-0.002 χ^2/NDF: 146956.7/51

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 241.405+/-94.834 χ^2/NDF:3.0/8

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 179.520+/-78.815 χ^2/NDF:3.6/7

Left: 204.802+/-60.615 χ^2/NDF: 6.9/16

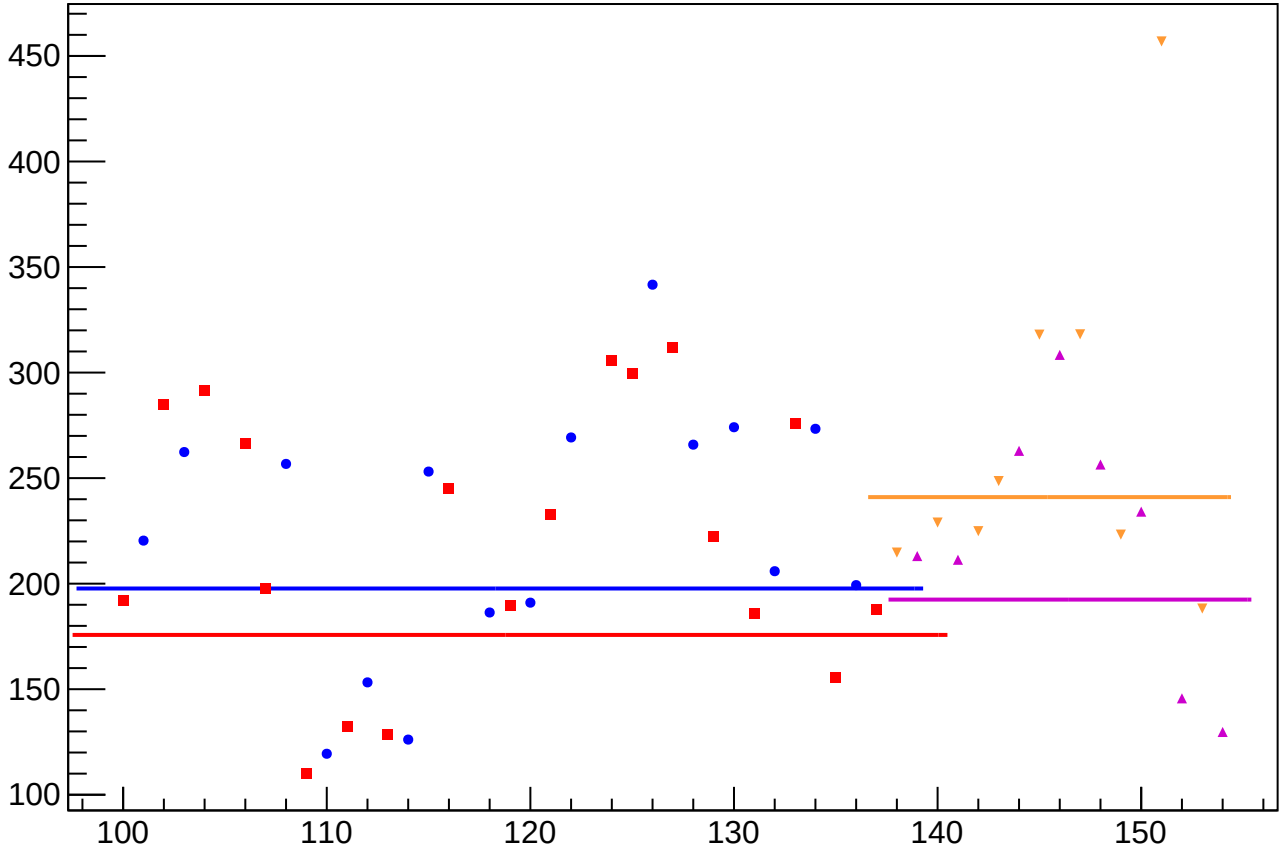
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 66.313+/-55.290 χ^2/NDF:23.2/23

Out: -4.494+/-56.088 χ^2/NDF:24.9/27

All: 31.416+/-39.375 χ^2/NDF: 48.8/51

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: 192.452+/-0.056 χ^2/NDF:1054052.6/7

Left: 212.286+/-0.043 χ^2/NDF: 2075162.5/16

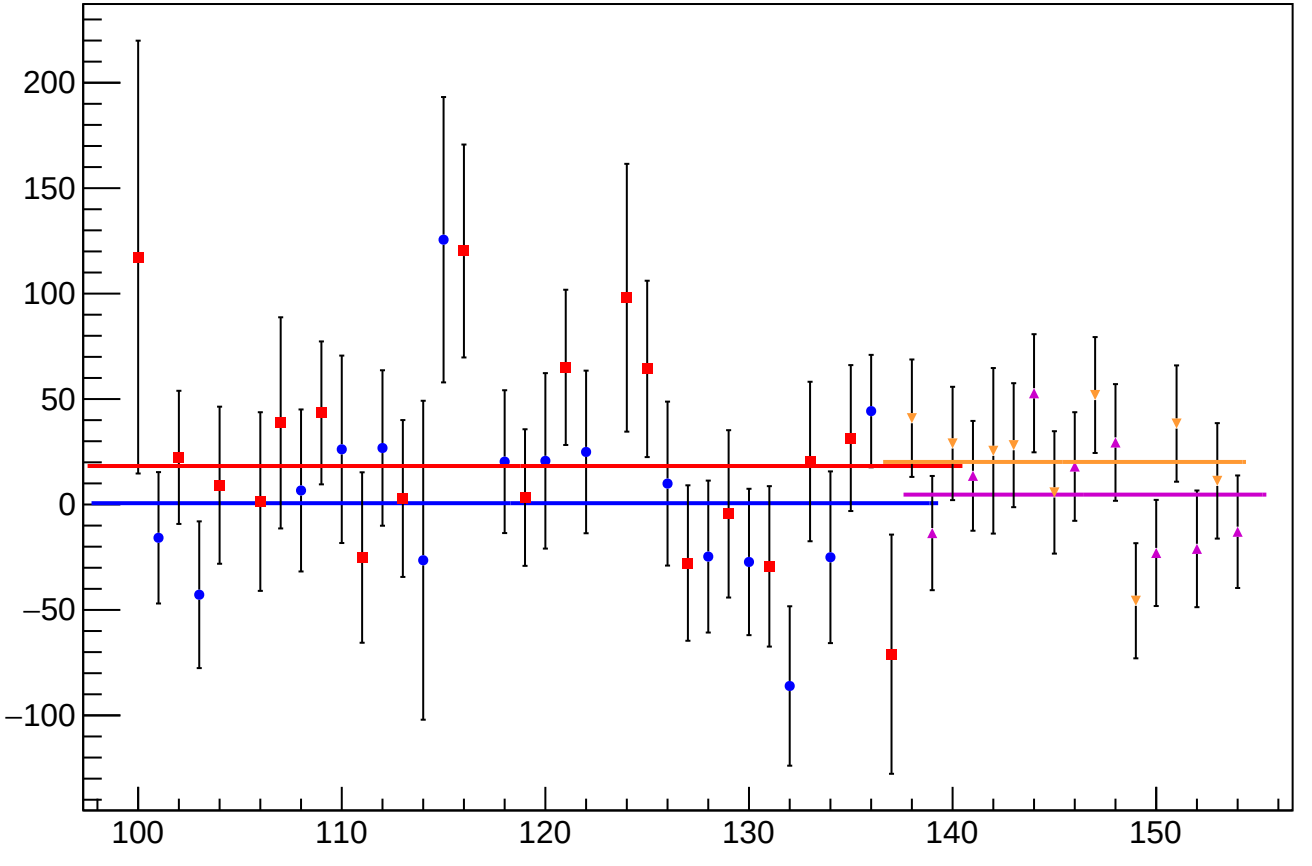
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 195.121+/-0.039 χ^2/NDF:2058892.7/23

Out: 198.552+/-0.040 χ^2/NDF:2917944.6/27

All: 196.812+/-0.028 χ^2/NDF: 4980631.6/51

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 20.179+/-9.542 χ^2/NDF:8.7/8

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 4.681+/-9.441 χ^2/NDF:7.1/7

Left: 12.348+/-6.711 χ^2/NDF: 17.1/16

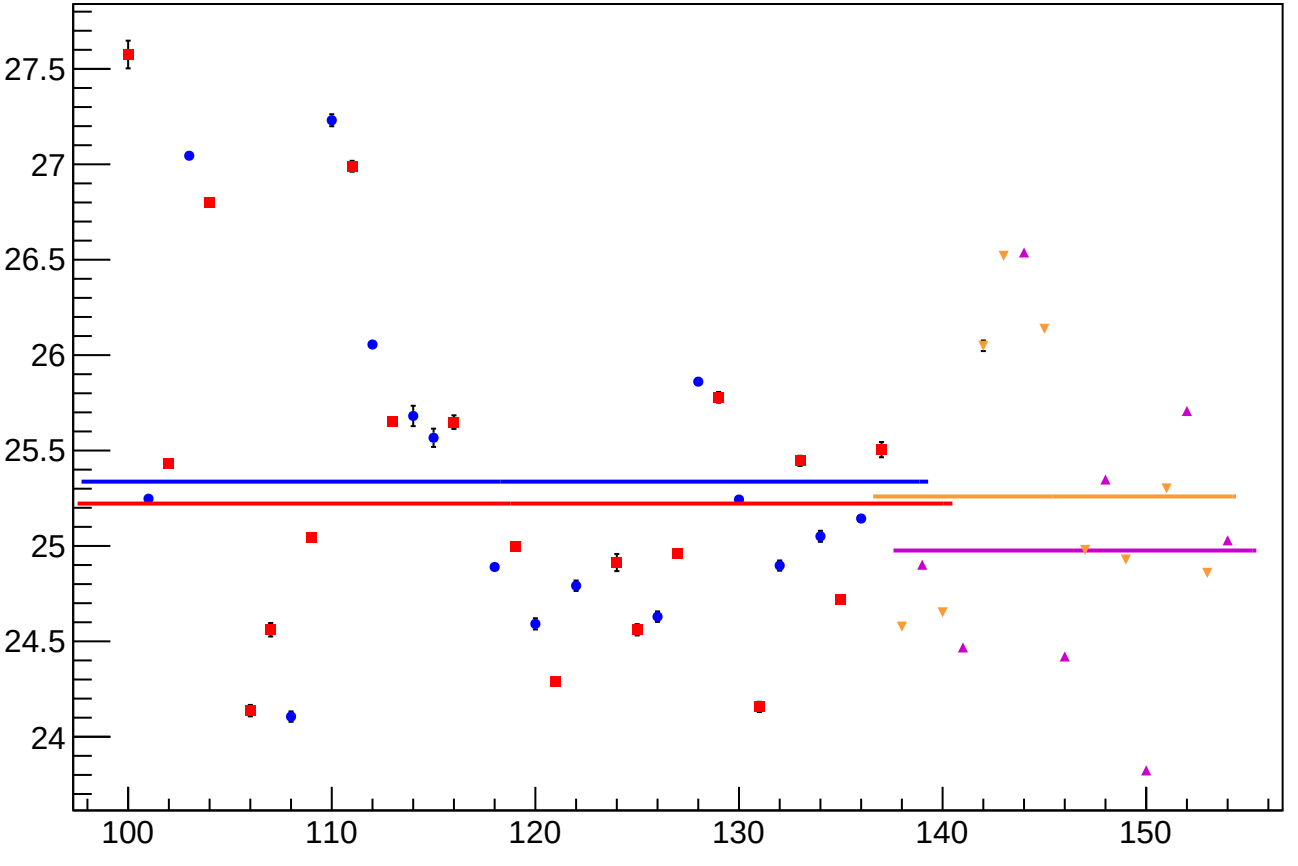
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 2.646+/-6.669 χ^2/NDF:23.9/23

Out: 19.179+/-6.626 χ^2/NDF:26.7/27

All: 10.966+/-4.700 χ^2/NDF: 53.7/51

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: 24.976+/-0.007 χ^2/NDF:13888.4/7

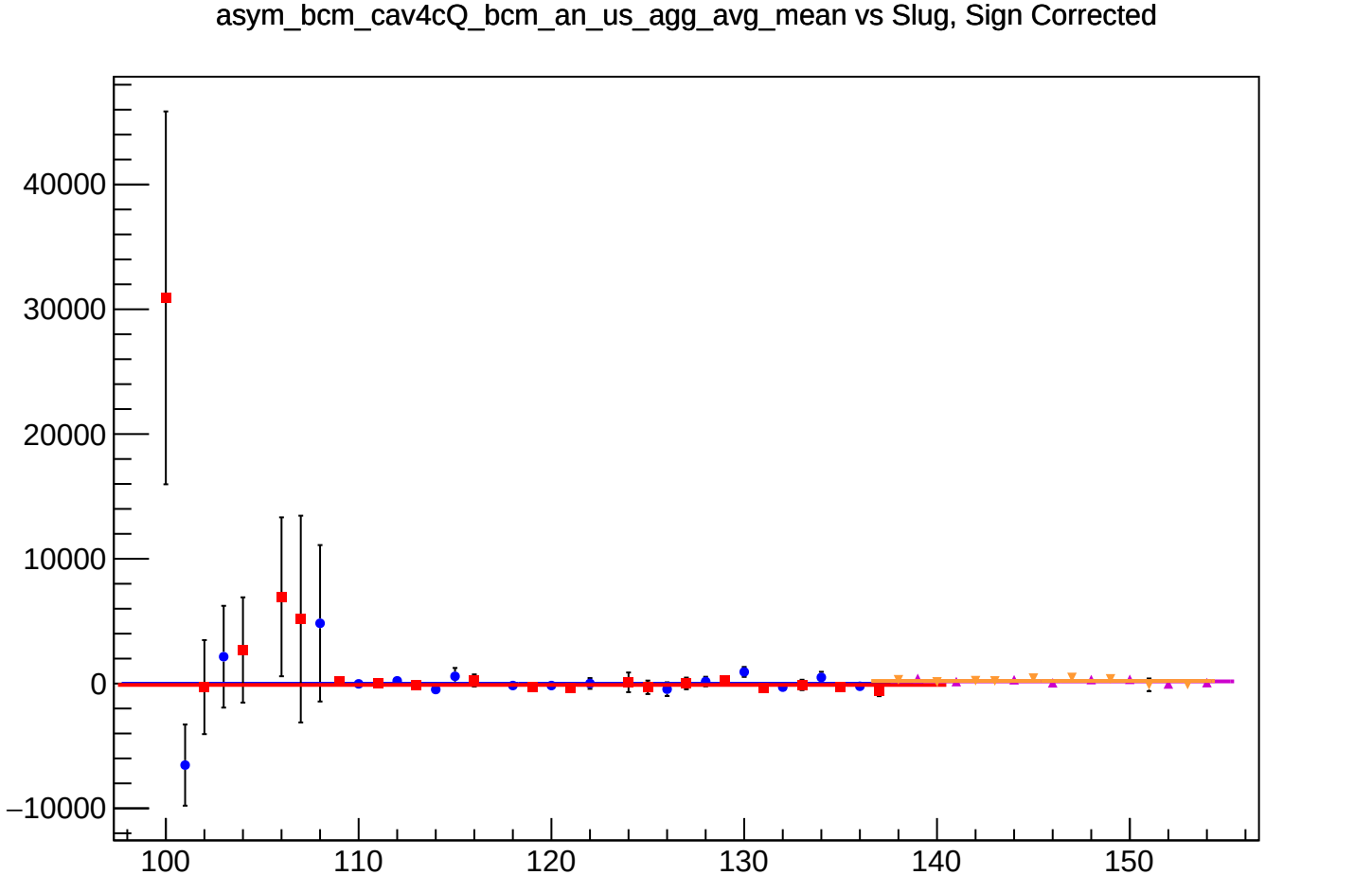
Left: 25.116+/-0.005 χ^2/NDF: 24258.5/16

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.157+/-0.005 χ^2/NDF:29668.2/23

Out: 25.240+/-0.005 χ^2/NDF:24719.9/27

All: 25.199+/-0.003 χ^2/NDF: 54544.5/51



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: 174.470+/-80.313 χ^2/NDF:3.4/7

Left: 188.898+/-61.723 χ^2/NDF: 7.2/16

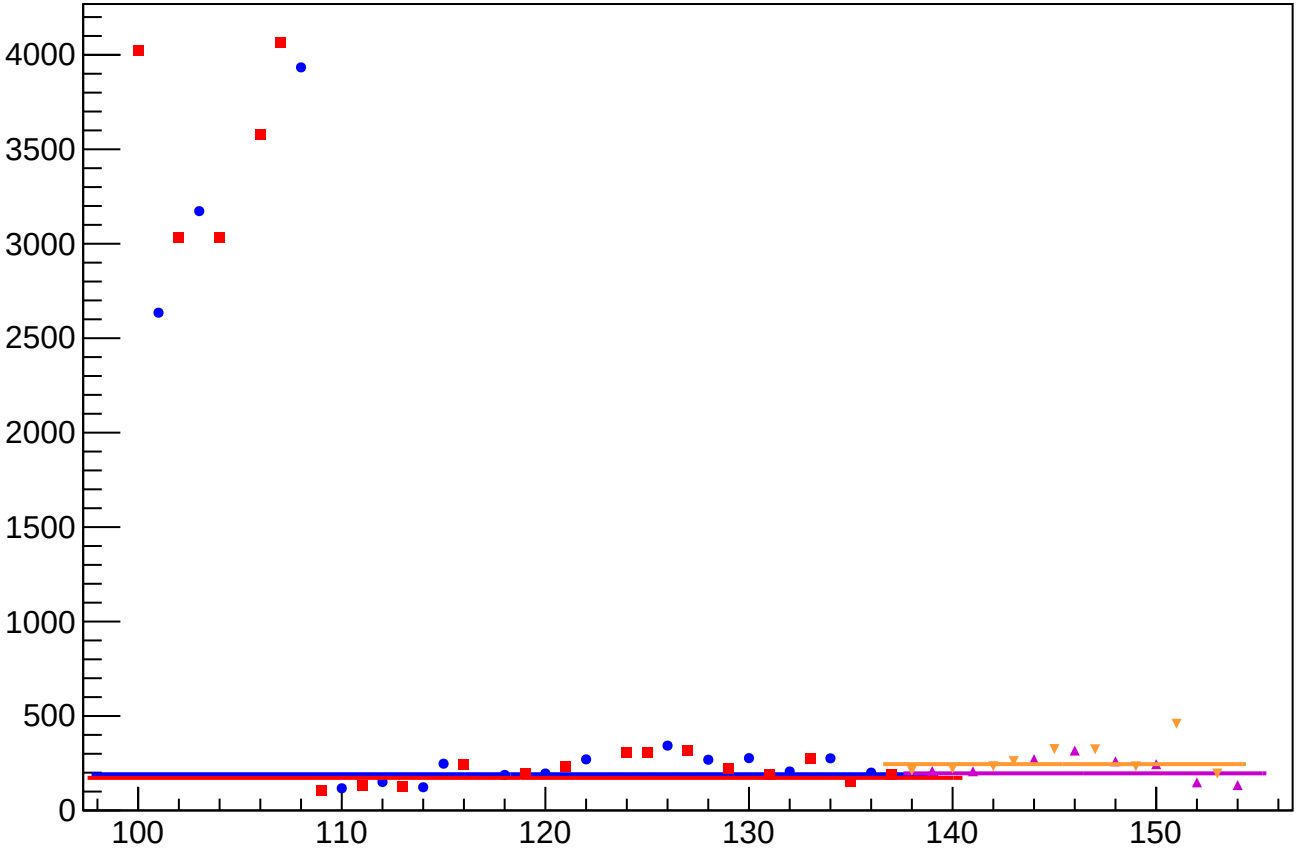
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 84.557+/-58.279 χ^2/NDF:24.4/23

Out: 17.286+/-60.701 χ^2/NDF:24.3/27

All: 52.290+/-42.040 χ^2/NDF: 49.3/51

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: 196.439+/-0.057 χ^2/NDF:1023216.3/7

Left: 216.415+/-0.044 χ^2/NDF: 2036517.4/16

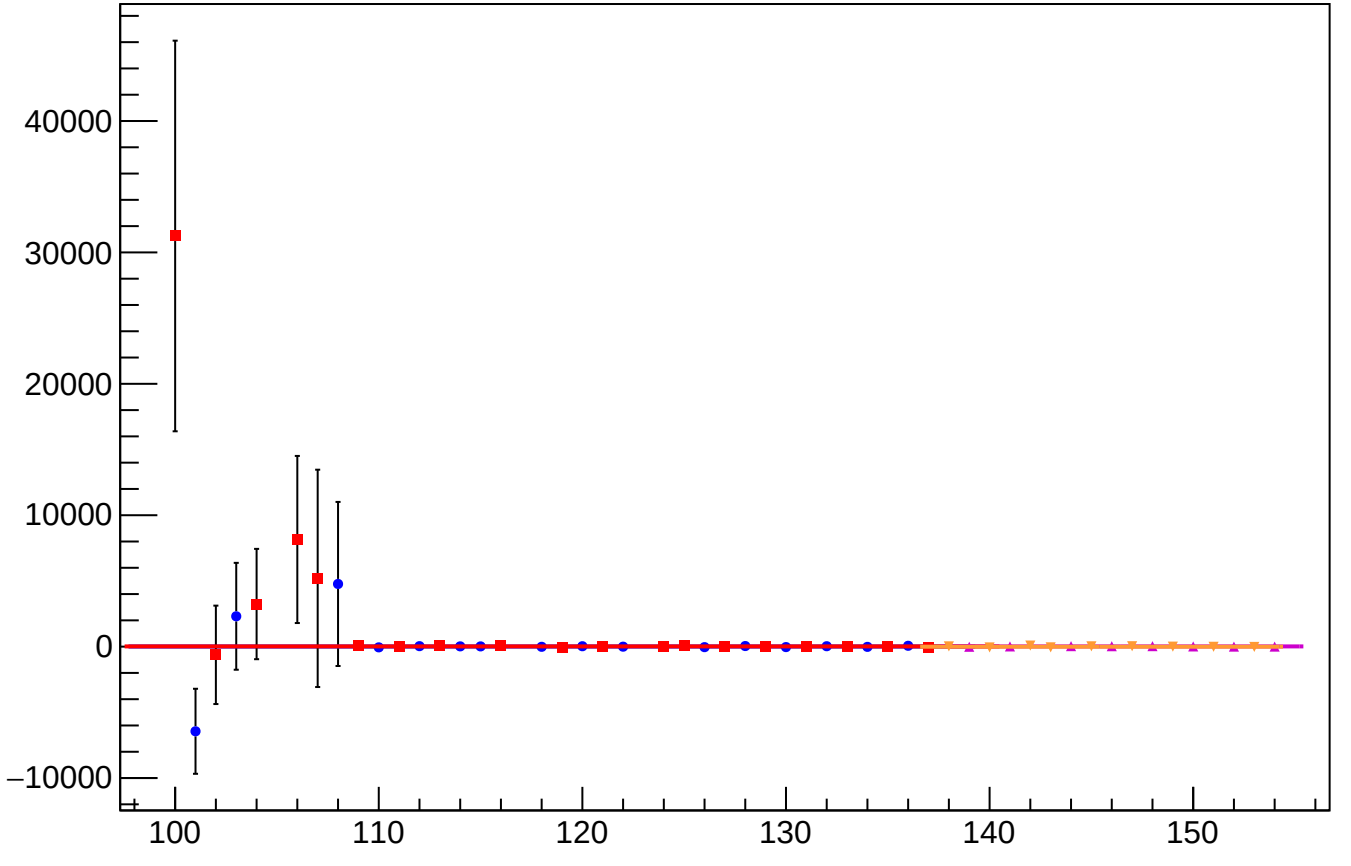
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 194.212+/-0.041 χ^2/NDF:4848267.8/23

Out: 201.275+/-0.043 χ^2/NDF:5701731.5/27

All: 197.600+/-0.030 χ^2/NDF: 10564088.5/51

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: 17.399+/-11.247 χ^2/NDF:2.2/7

Left: 6.337+/-7.917 χ^2/NDF: 15.6/16

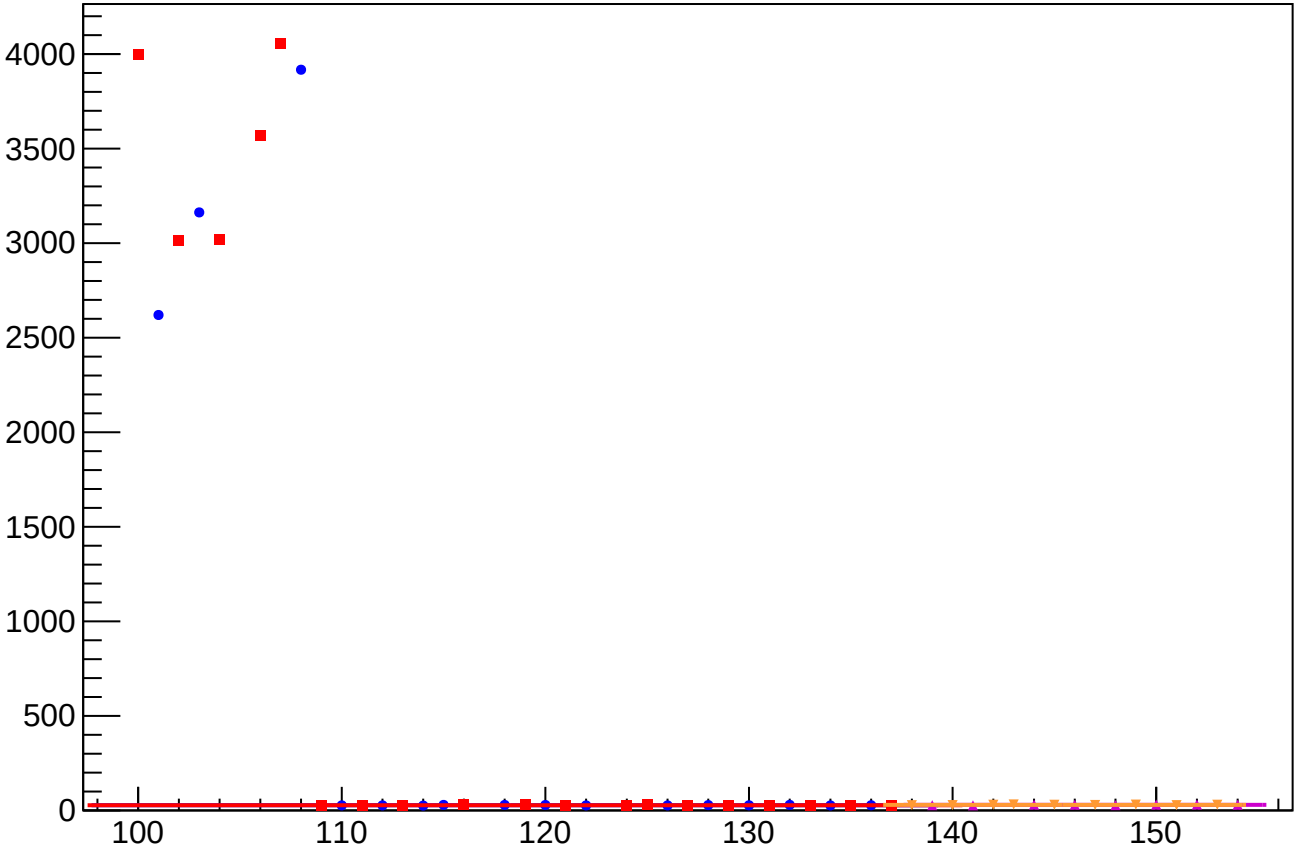
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 13.637+/-8.103 χ^2/NDF:18.4/23

Out: 6.139+/-8.105 χ^2/NDF:38.2/27

All: 9.889+/-5.730 χ^2/NDF: 57.1/51

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: 29.662+/-0.008 χ^2/NDF:41613.5/7

Left: 29.545+/-0.006 χ^2/NDF: 69485.5/16

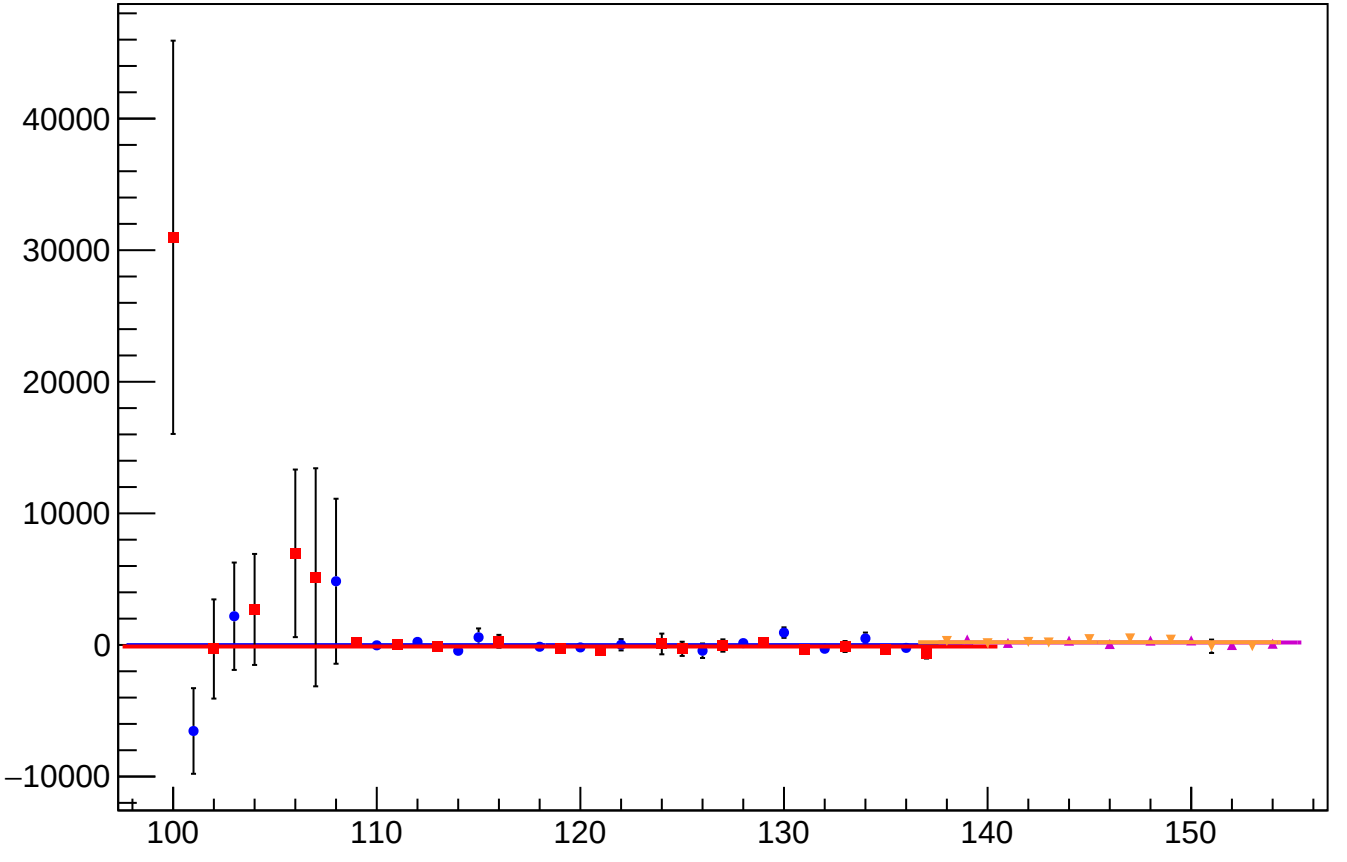
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.690+/-0.006 χ^2/NDF:3338145.4/23

Out: 28.537+/-0.006 χ^2/NDF:3609925.8/27

All: 28.613+/-0.004 χ^2/NDF: 6948431.0/51

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 208.270+/-96.260 χ^2/NDF:4.0/8

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 187.434+/-80.152 χ^2/NDF:3.2/7

Left: 195.965+/-61.595 χ^2/NDF: 7.2/16

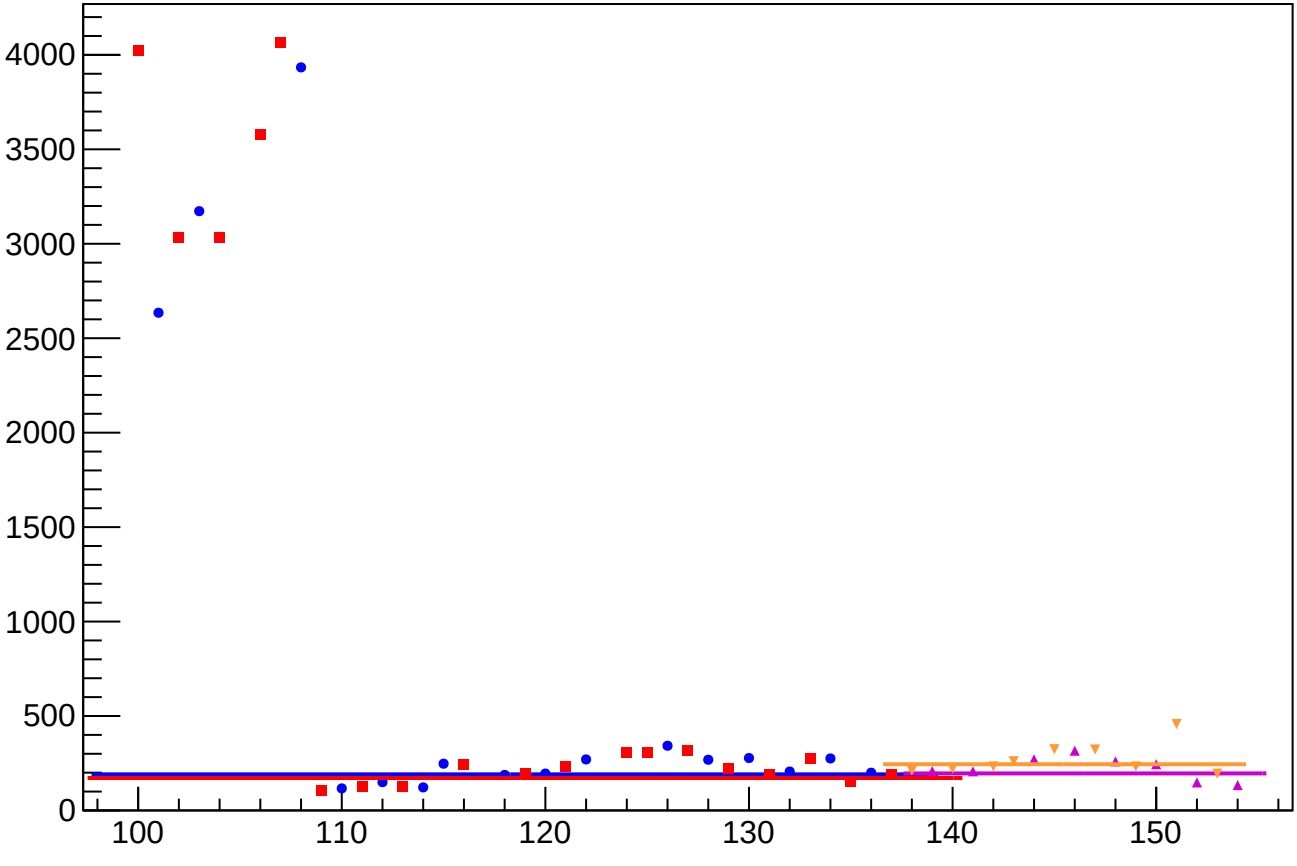
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 92.376+/-58.137 χ^2/NDF:24.5/23

Out: 11.004+/-60.537 χ^2/NDF:25.4/27

All: 53.335+/-41.932 χ^2/NDF: 50.8/51

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: 196.057+/-0.057 χ^2/NDF:1022001.8/7

Left: 215.972+/-0.044 χ^2/NDF: 2034723.7/16

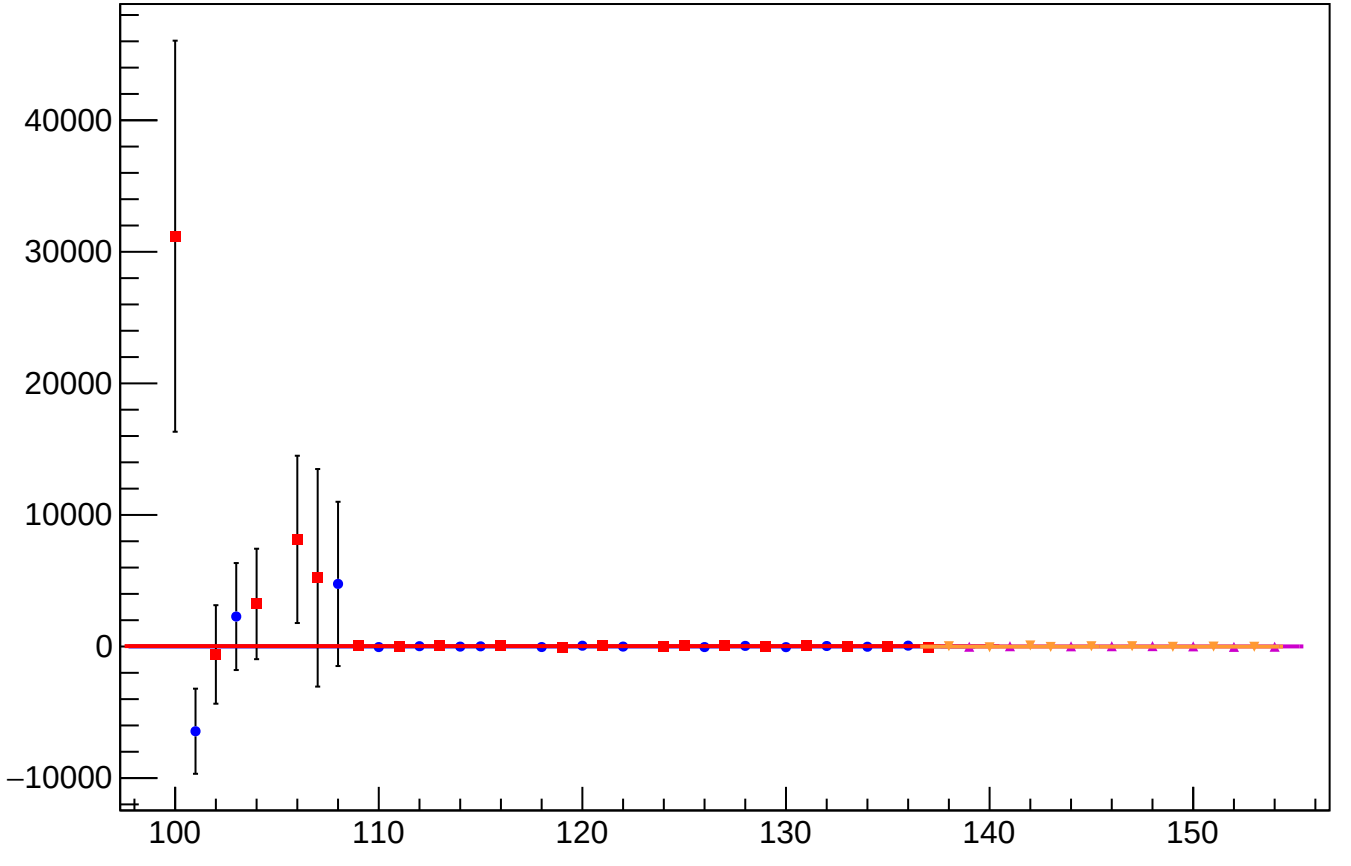
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 193.694+/-0.041 χ^2/NDF:4859623.7/23

Out: 200.652+/-0.043 χ^2/NDF:5718552.1/27

All: 197.032+/-0.030 χ^2/NDF: 10591923.1/51

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -5.300+/-11.224 χ^2/NDF:9.3/8

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 7.483+/-11.307 χ^2/NDF:3.3/7

Left: 1.044+/-7.966 χ^2/NDF: 13.2/16

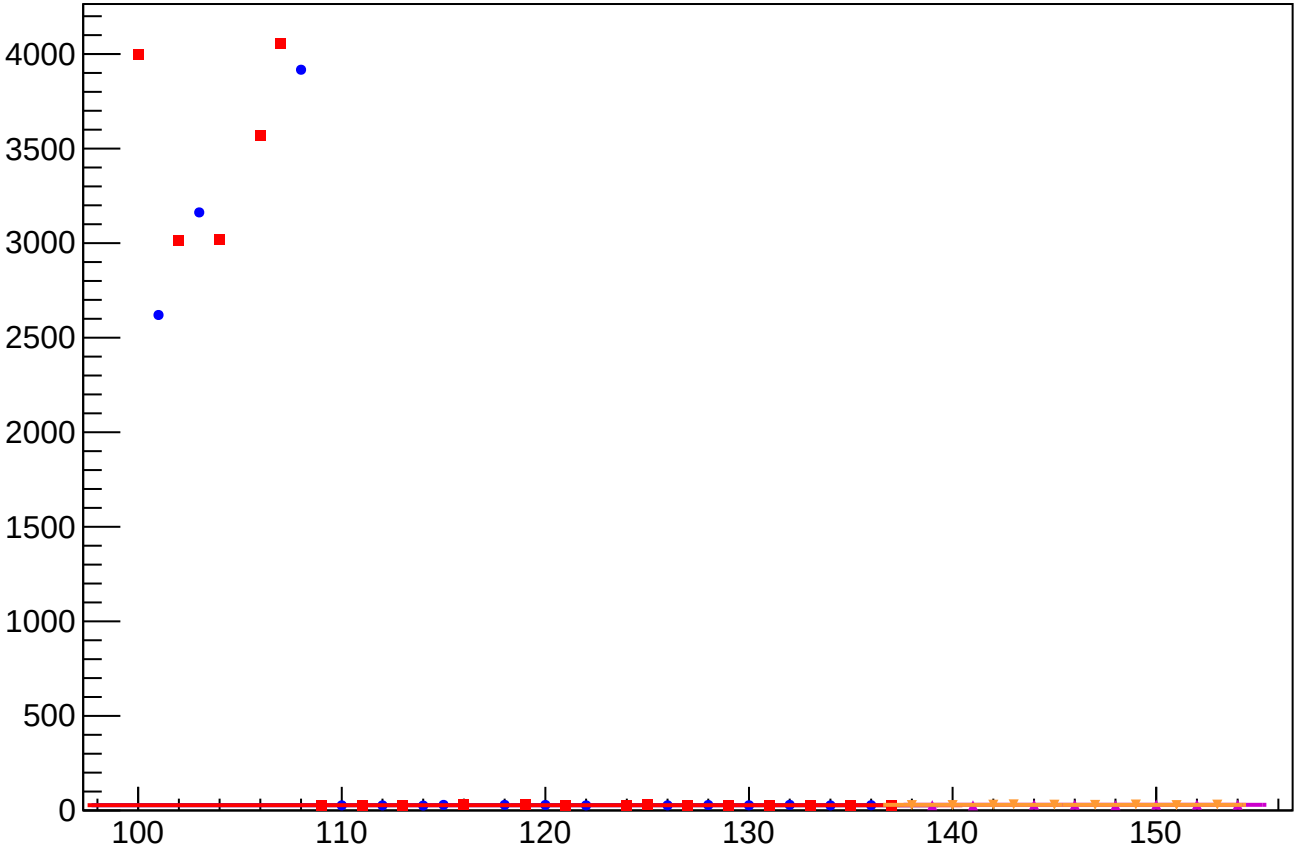
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 7.006+/-8.152 χ^2/NDF:21.6/23

Out: 11.769+/-8.165 χ^2/NDF:34.1/27

All: 9.384+/-5.769 χ^2/NDF: 55.8/51

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: 29.825+/-0.008 χ^2/NDF:42678.4/7

Left: 29.727+/-0.006 χ^2/NDF: 72333.1/16

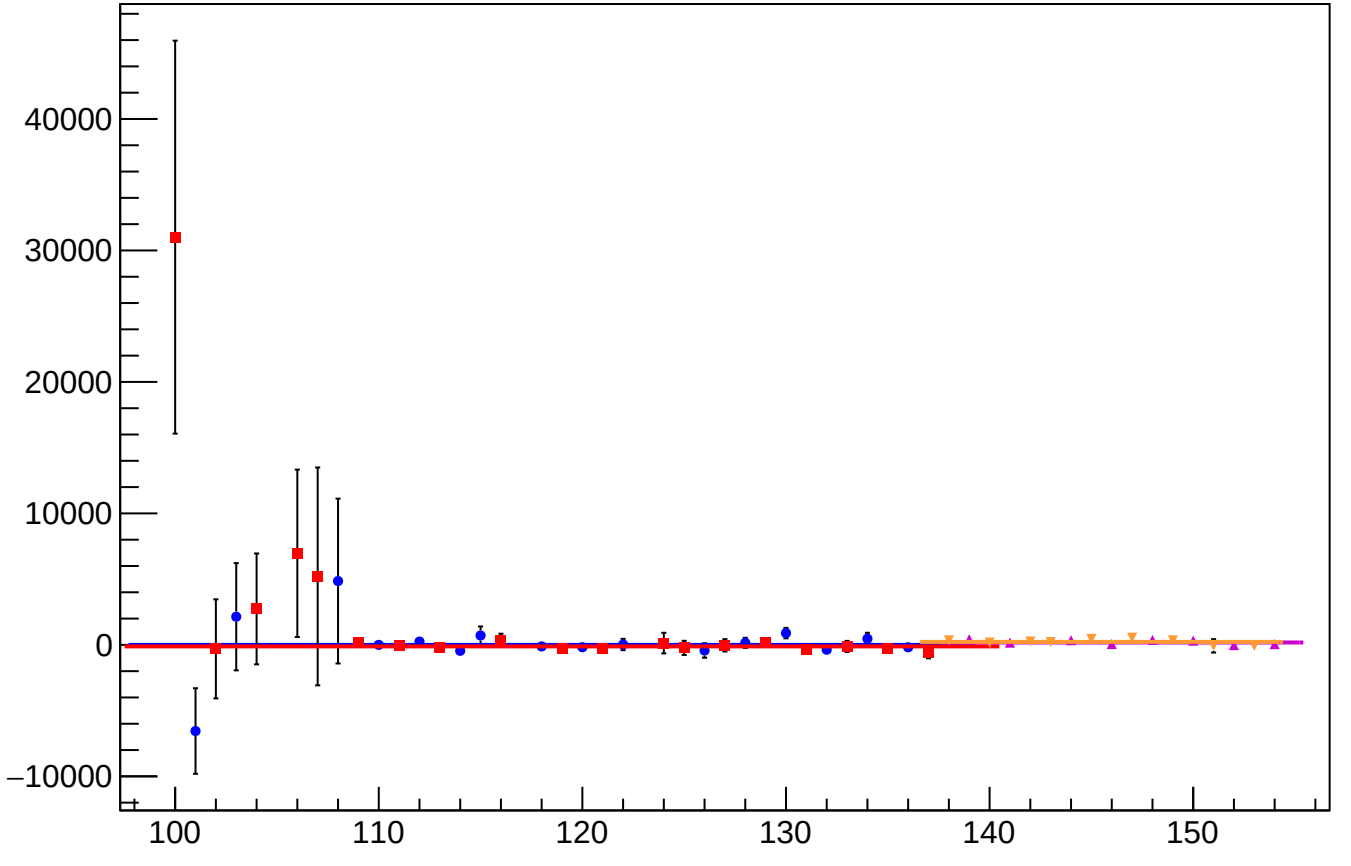
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.864+/-0.006 χ^2/NDF:3338623.6/23

Out: 28.747+/-0.006 χ^2/NDF:3614360.3/27

All: 28.806+/-0.004 χ^2/NDF: 6953191.4/51

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 225.355+/-97.347 χ^2/NDF:3.7/8

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 181.317+/-81.182 χ^2/NDF:3.9/7

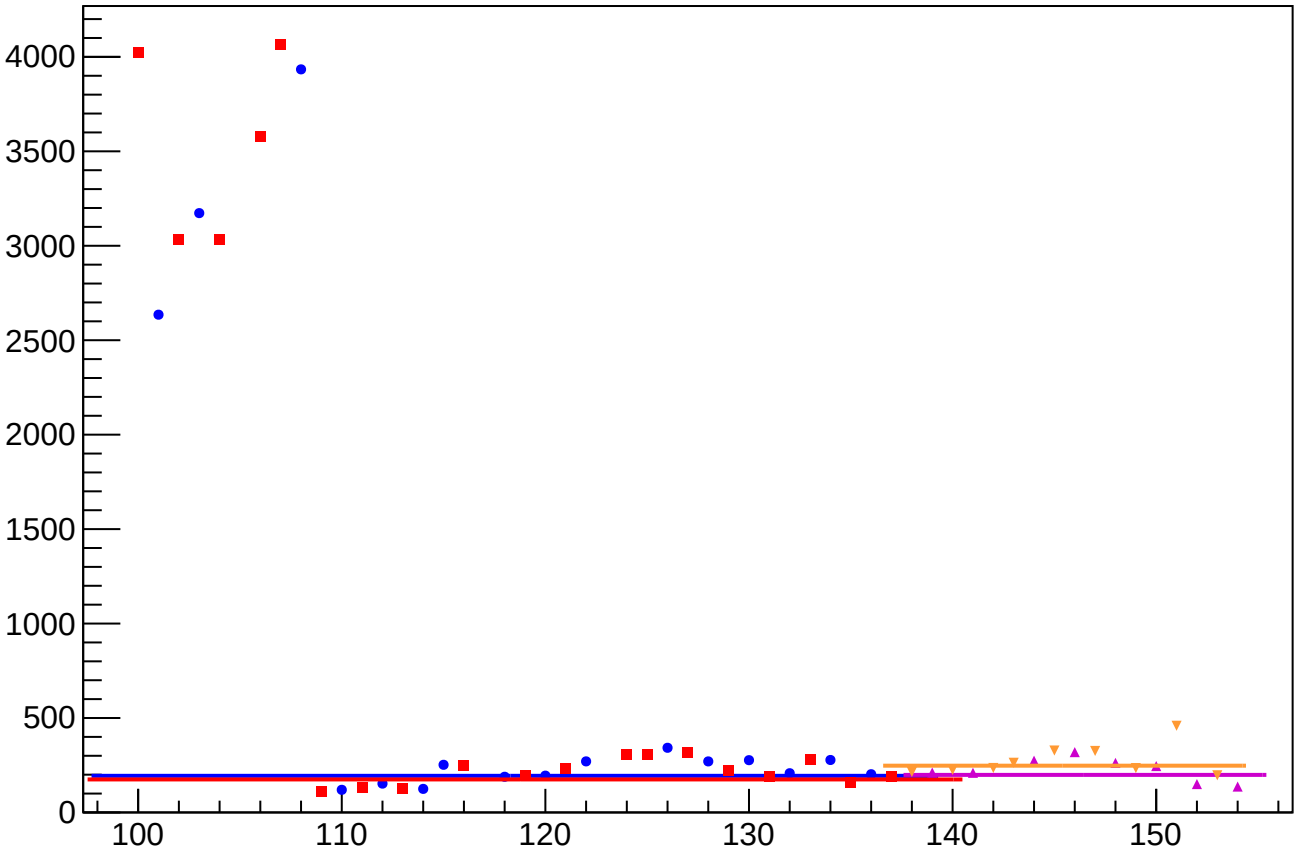
Left: 199.381+/-62.347 χ^2/NDF: 7.8/16

Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 94.036+/-58.874 χ^2/NDF:24.6/23

Out: 19.594+/-61.320 χ^2/NDF:24.9/27

All: 58.329+/-42.469 χ^2/NDF: 50.3/51



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: 198.855+/-0.057 χ^2/NDF:1000116.2/7

Left: 218.853+/-0.044 χ^2/NDF: 1996602.8/16

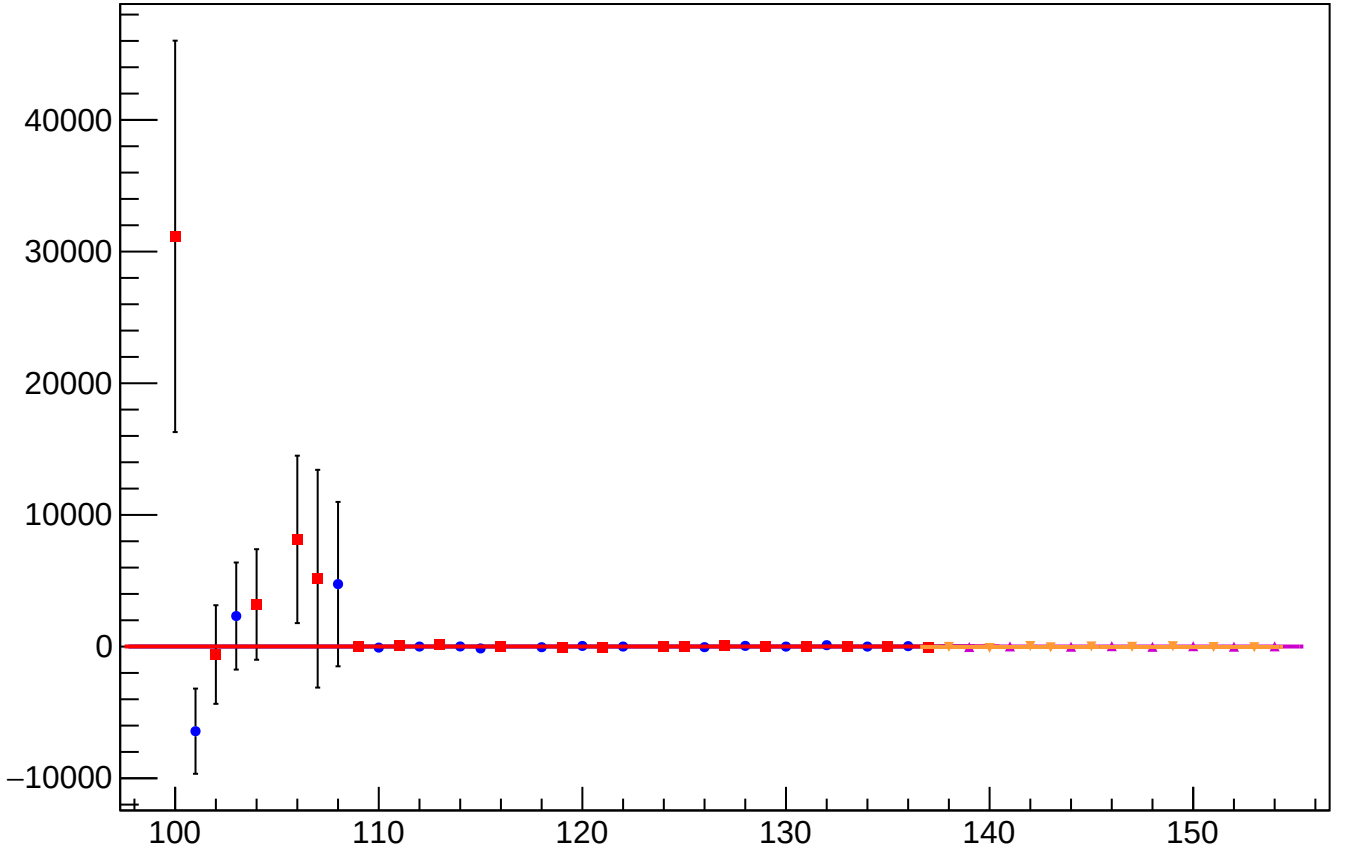
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 196.528+/-0.042 χ^2/NDF:4788050.5/23

Out: 203.677+/-0.043 χ^2/NDF:5635185.7/27

All: 199.957+/-0.030 χ^2/NDF: 10437379.7/51

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: 5.681+/-13.310 χ^2/NDF:2.6/7

Left: -11.199+/-9.376 χ^2/NDF: 15.9/16

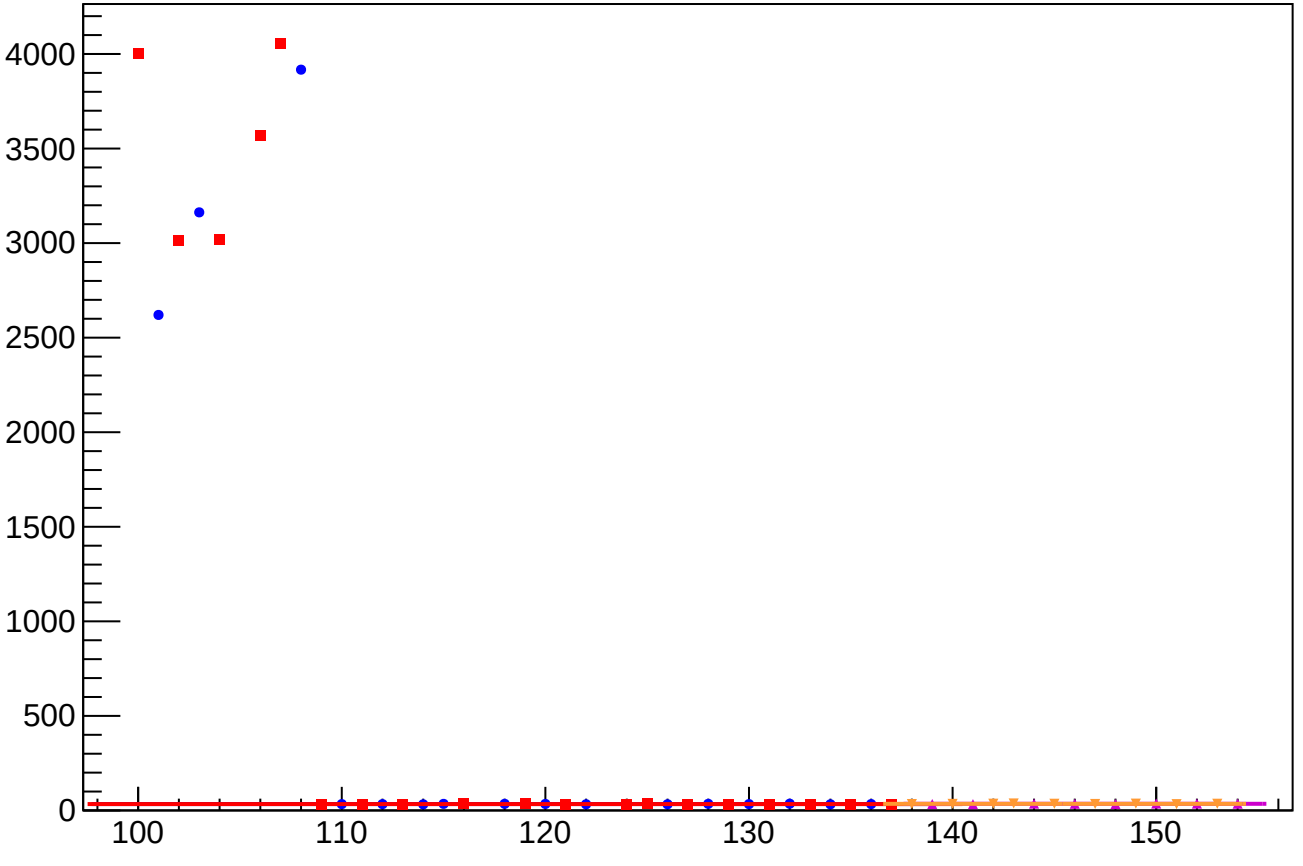
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 5.671+/-9.745 χ^2/NDF:20.1/23

Out: -10.582+/-9.744 χ^2/NDF:37.2/27

All: -2.456+/-6.890 χ^2/NDF: 58.7/51

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: 35.188+/-0.009 χ^2/NDF:14810.1/7

Left: 35.061+/-0.007 χ^2/NDF: 28515.5/16

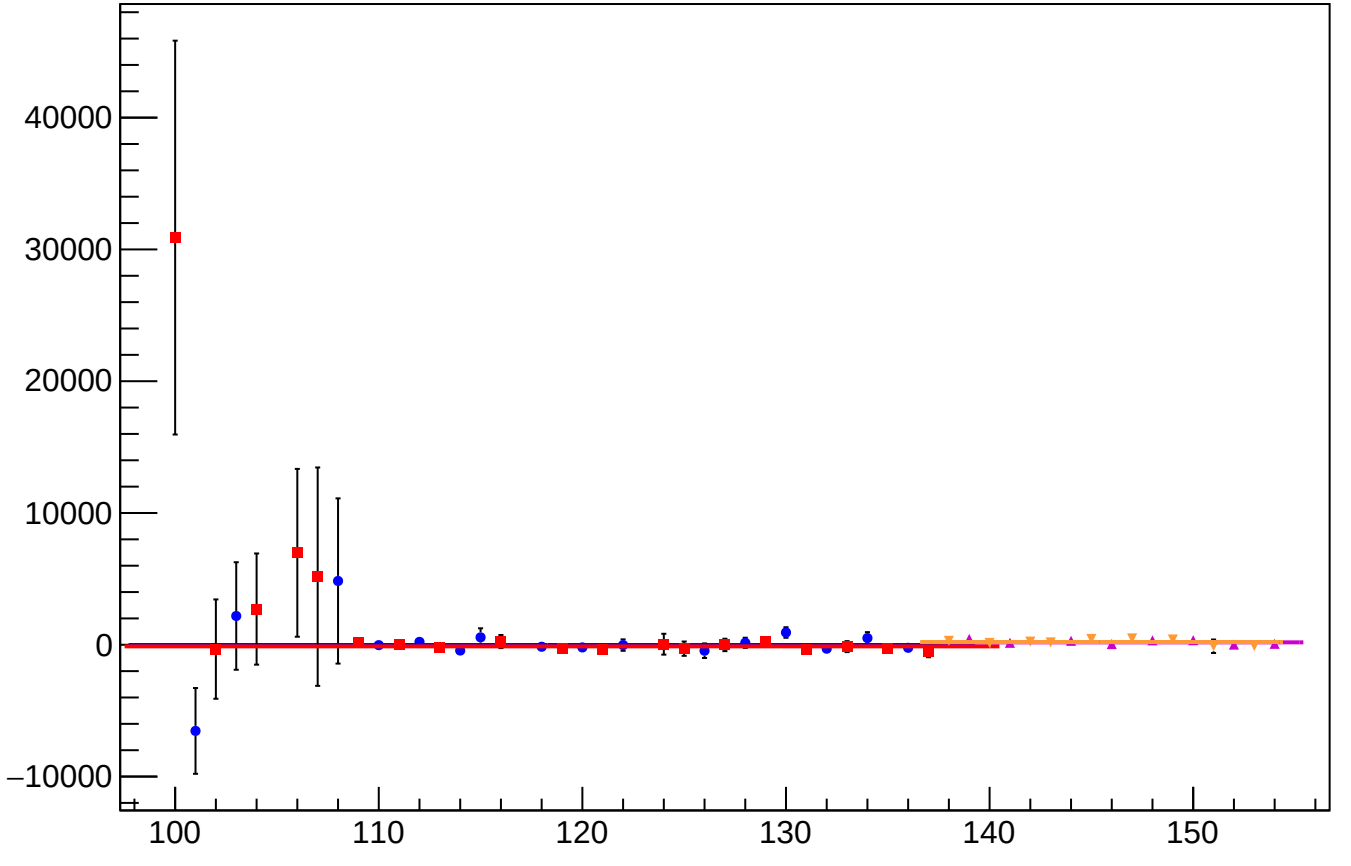
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.590+/-0.007 χ^2/NDF:3267890.5/23

Out: 34.384+/-0.007 χ^2/NDF:3547443.8/27

All: 34.487+/-0.005 χ^2/NDF: 6815781.6/51

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: 184.340+/-80.837 χ^2/NDF:3.5/7

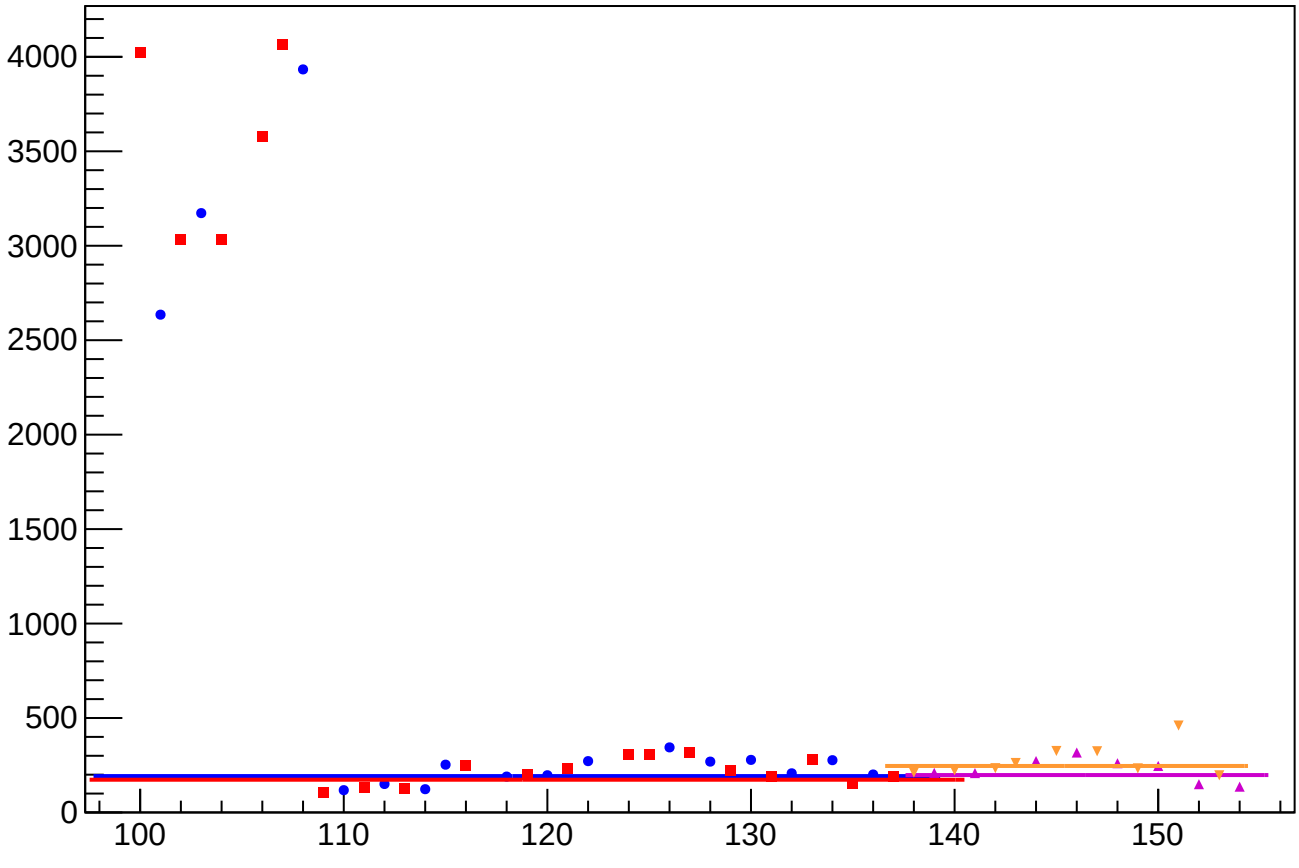
Left: 194.193+/-62.042 χ^2/NDF: 7.5/16

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 87.598+/-58.597 χ^2/NDF:24.7/23

Out: 10.240+/-60.946 χ^2/NDF:24.2/27

All: 50.438+/-42.240 χ^2/NDF: 49.7/51



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: 197.990+/-0.057 χ^2/NDF:993985.4/7

Left: 217.757+/-0.044 χ^2/NDF: 1991085.2/16

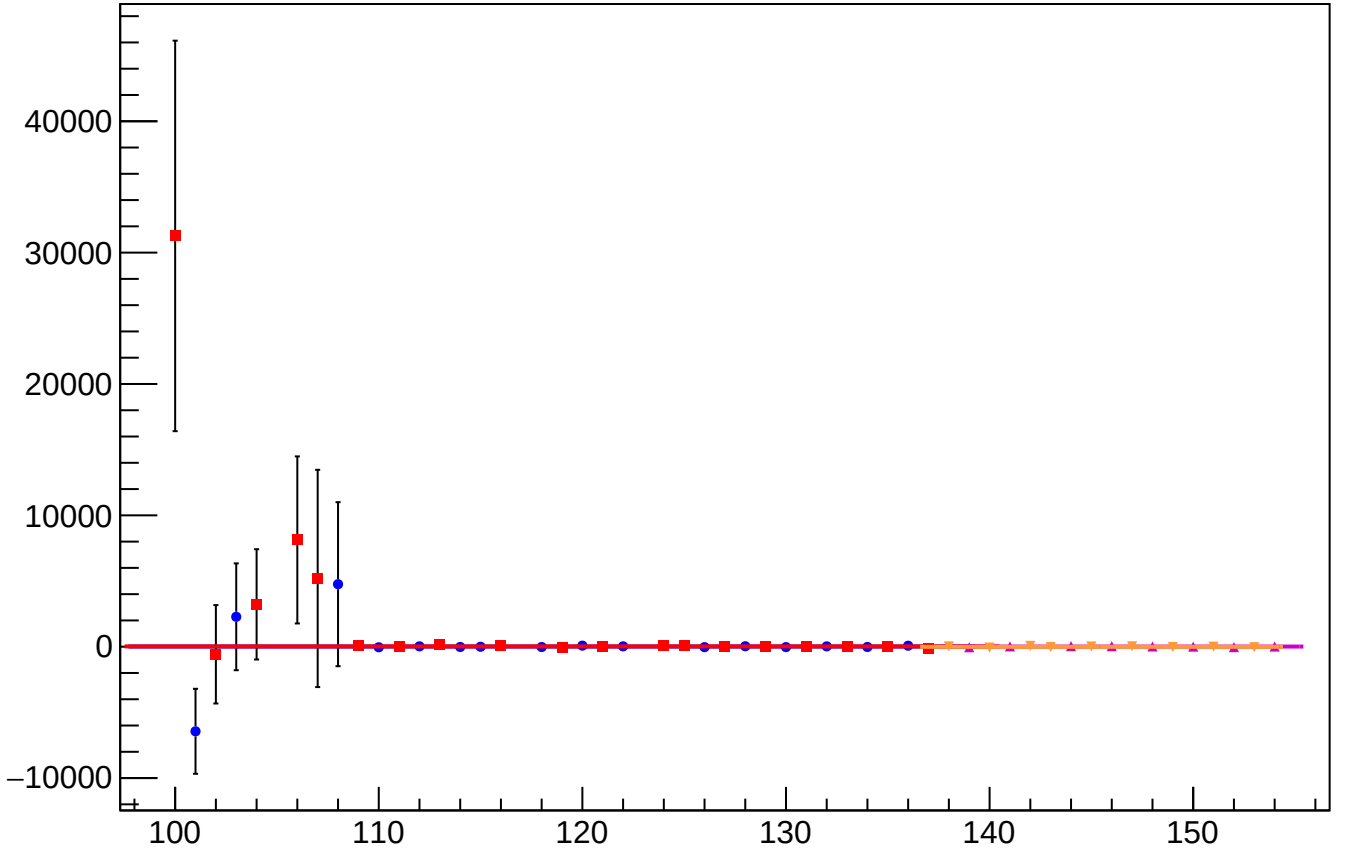
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 195.413+/-0.041 χ^2/NDF:4821056.5/23

Out: 202.135+/-0.043 χ^2/NDF:5697193.2/27

All: 198.642+/-0.030 χ^2/NDF: 10530891.0/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -7.542+/-12.140 χ^2/NDF:8.8/8

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 11.489+/-12.188 χ^2/NDF:5.9/7

Left: 1.936+/-8.601 χ^2/NDF: 15.9/16

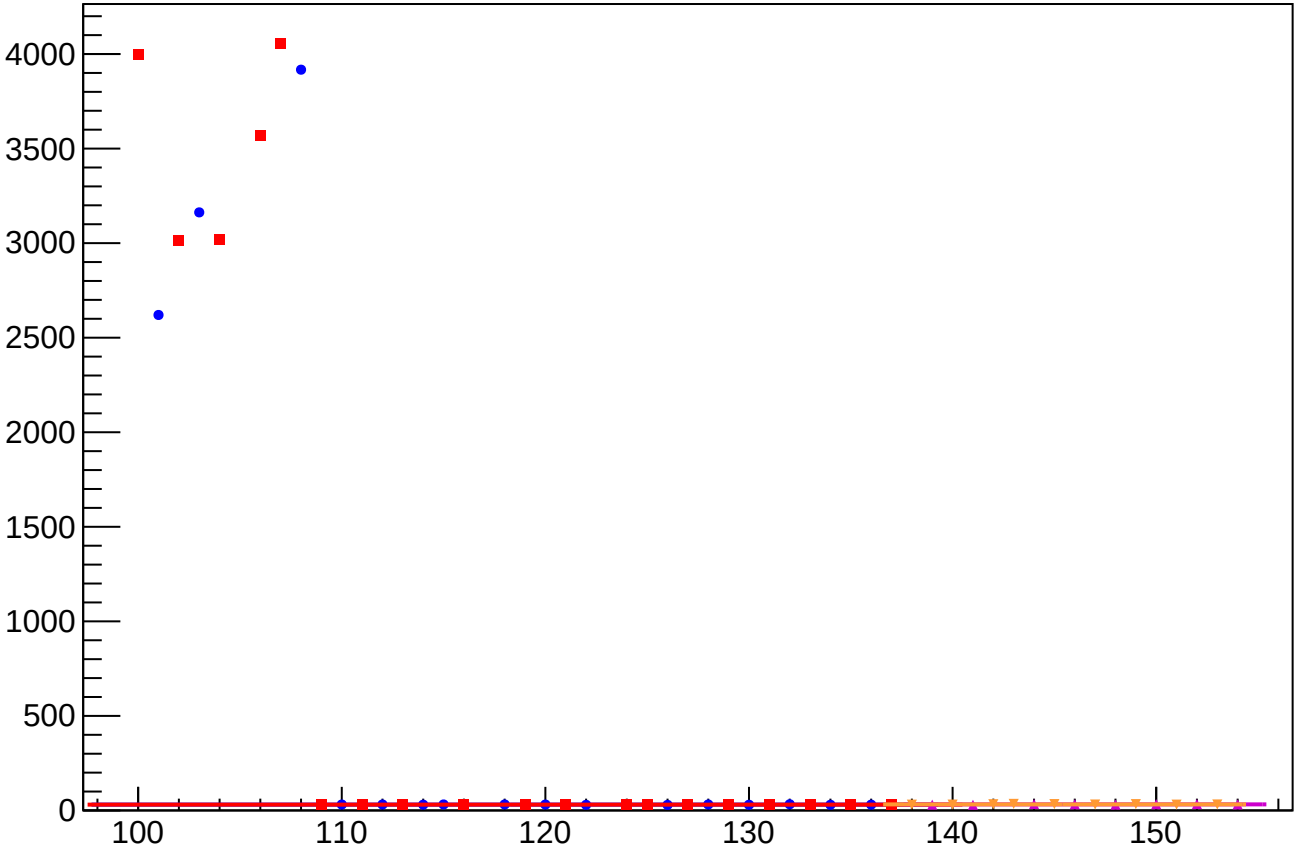
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 12.524+/-8.911 χ^2/NDF:21.3/23

Out: 6.581+/-8.929 χ^2/NDF:40.4/27

All: 9.559+/-6.308 χ^2/NDF: 62.0/51

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: 32.166+/-0.009 χ^2/NDF:28232.0/7

Left: 32.117+/-0.006 χ^2/NDF: 53609.9/16

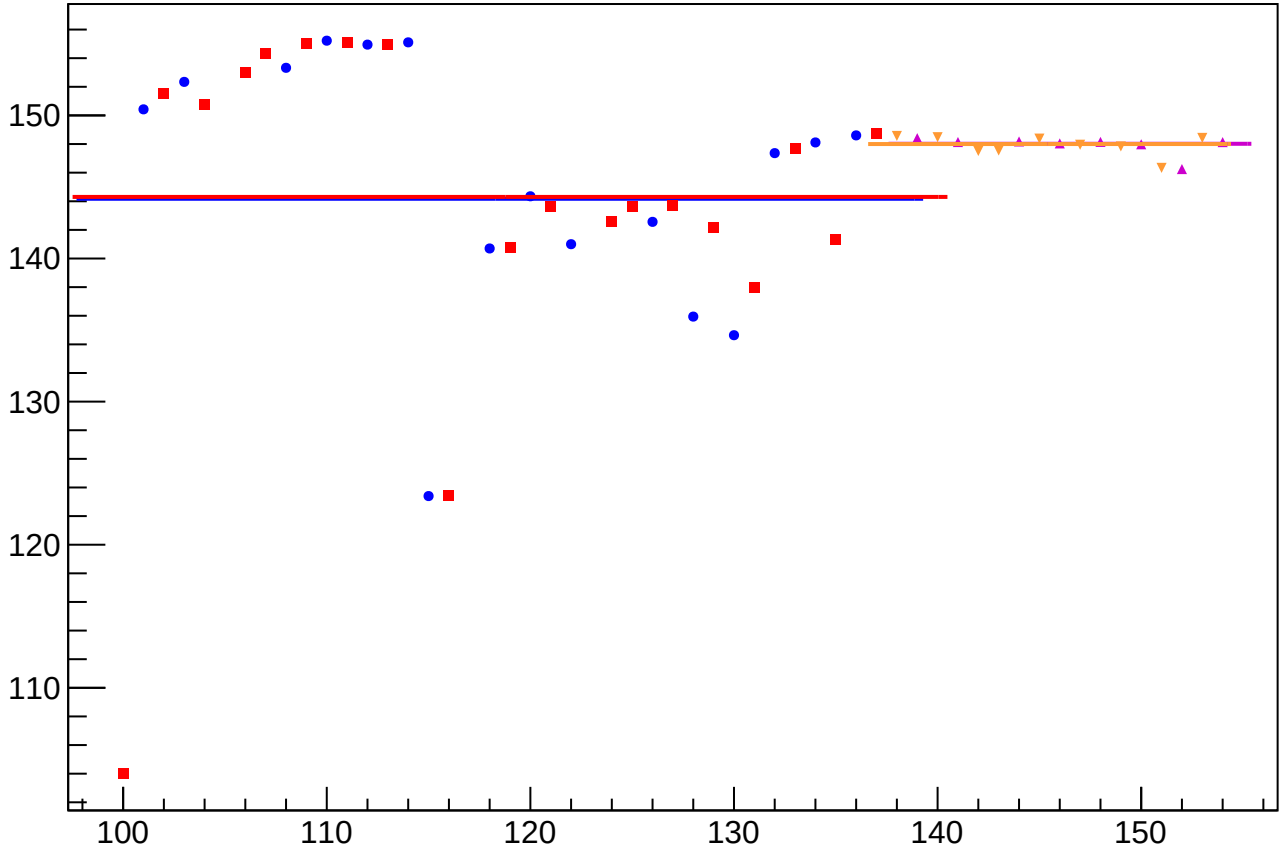
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.590+/-0.006 χ^2/NDF:3290442.1/23

Out: 31.476+/-0.006 χ^2/NDF:3571933.8/27

All: 31.533+/-0.004 χ^2/NDF: 6862540.6/51

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: 148.018+/-0.000 χ^2/NDF:13818294.9/7

Left: 148.008+/-0.000 χ^2/NDF: 32898899.2/16

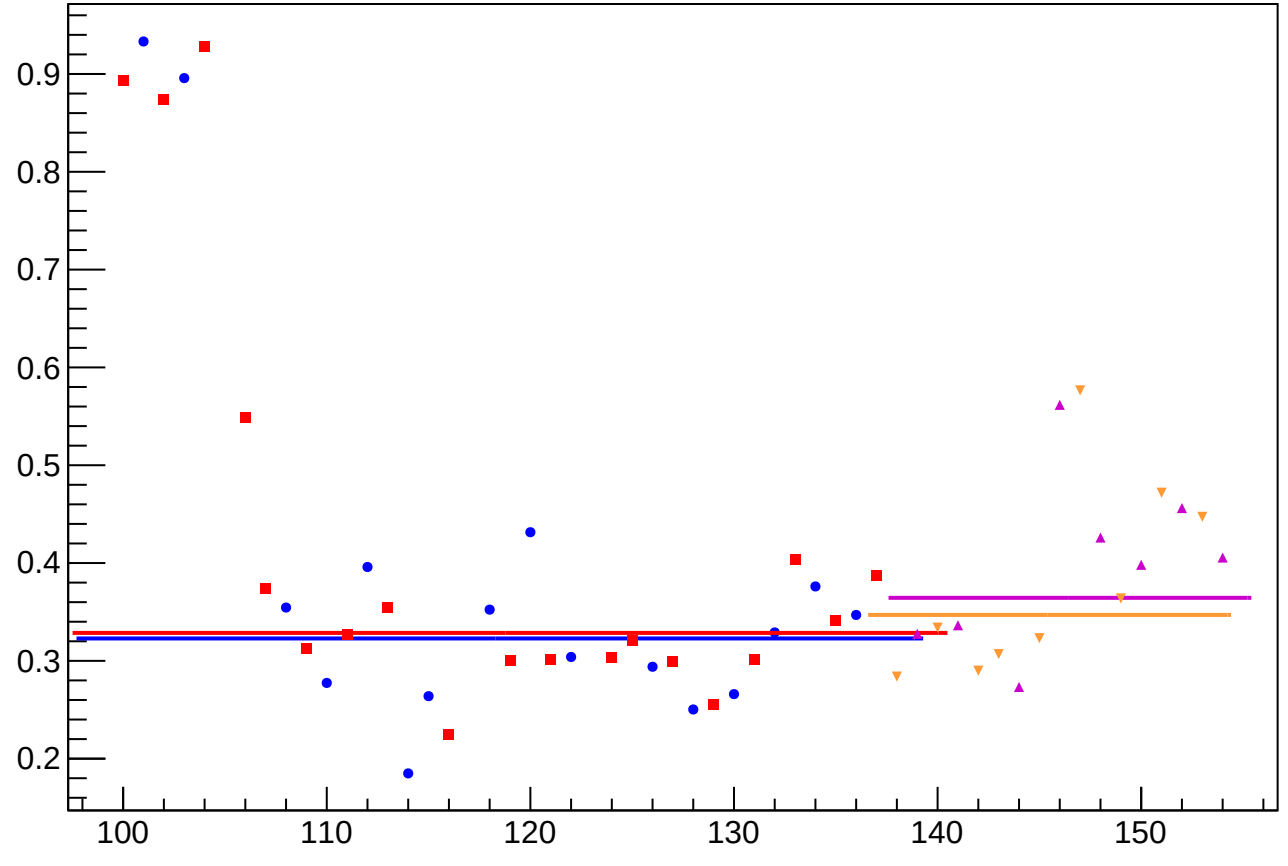
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.936+/-0.000 χ^2/NDF:4124408473.1/23

Out: 146.093+/-0.000 χ^2/NDF:4656862599.1/27

All: 146.016+/-0.000 χ^2/NDF: 8782601547.0

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: 0.364+/-0.000 χ^2/NDF:560585.9/7

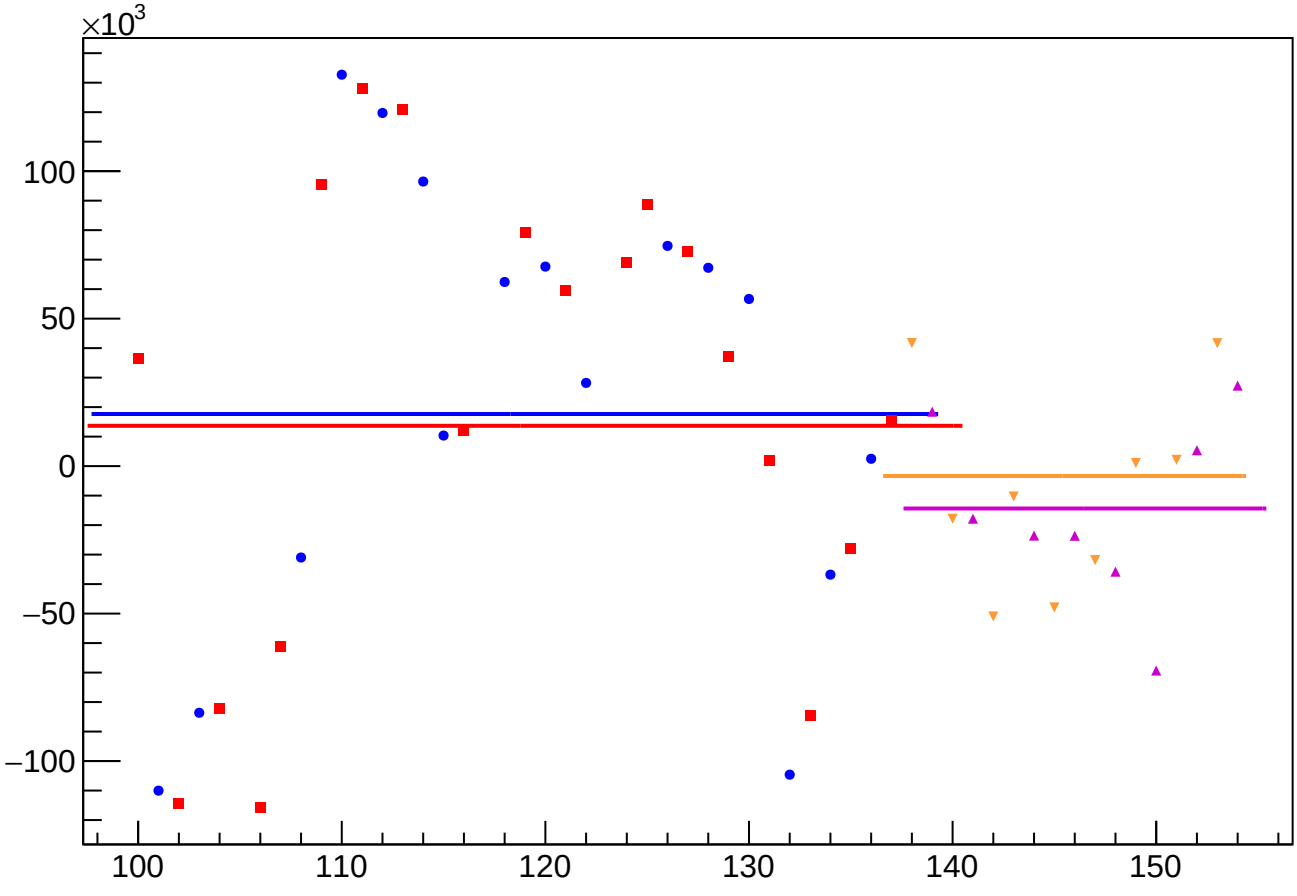
Left: 0.355+/-0.000 χ^2/NDF: 1155374.0/16

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.342+/-0.000 χ^2/NDF:2046861.7/23

Out: 0.337+/-0.000 χ^2/NDF:1901979.3/27

All: 0.340+/-0.000 χ^2/NDF: 3950970.1/51



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: -14374.018+/-1.910 χ^2/NDF:261719224.9/7

Left: -8840.042+/-1.348 χ^2/NDF: 558734540.9/16

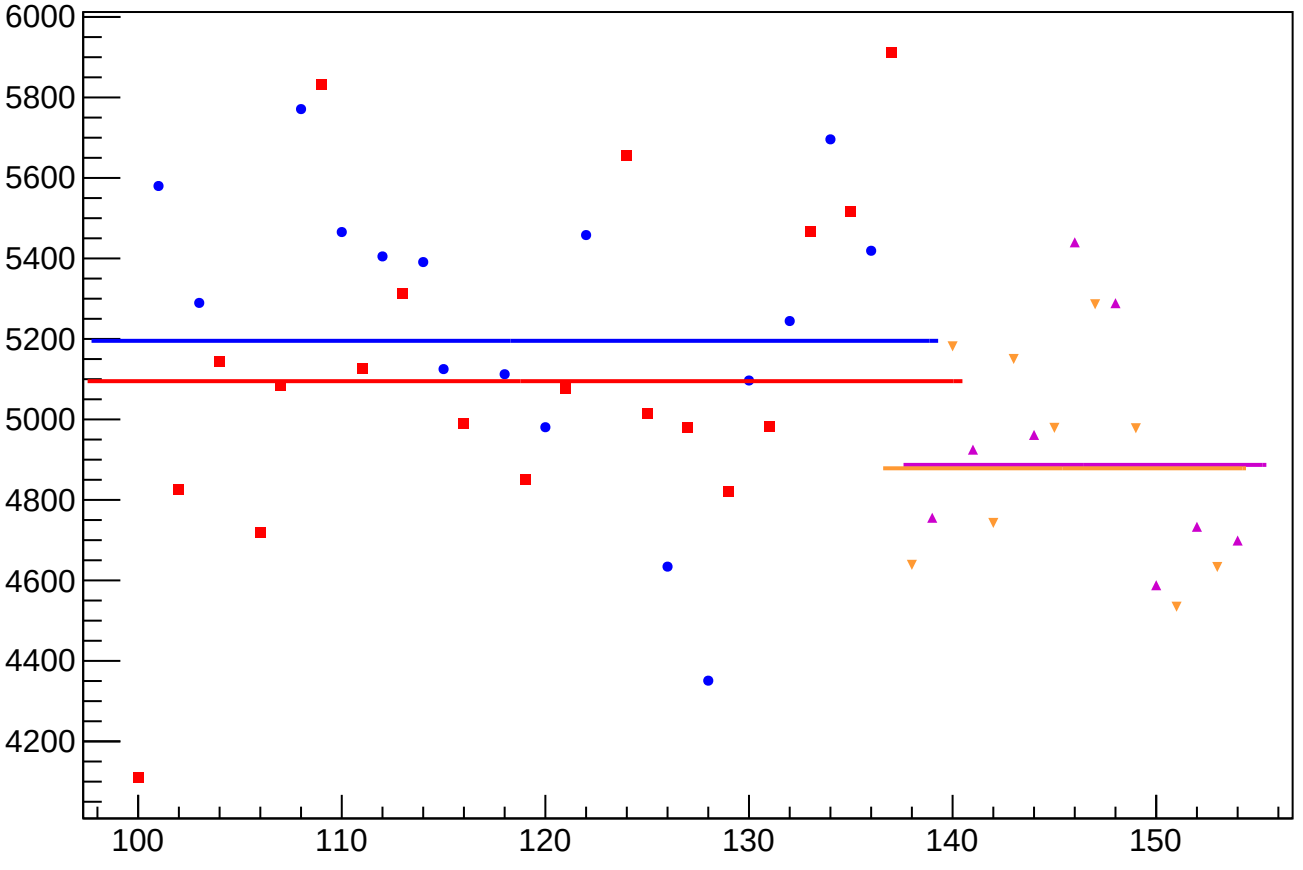
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 865.101+/-1.383 χ^2/NDF:1794265865.4/23

Out: 5058.947+/-1.353 χ^2/NDF:2176786340.6/27

All: 3008.023+/-0.967 χ^2/NDF: 3975749689.

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: 4887.029+/-1.351 χ^2/NDF:39022.7/7

Left: 4882.766+/-0.953 χ^2/NDF: 77354.1/16

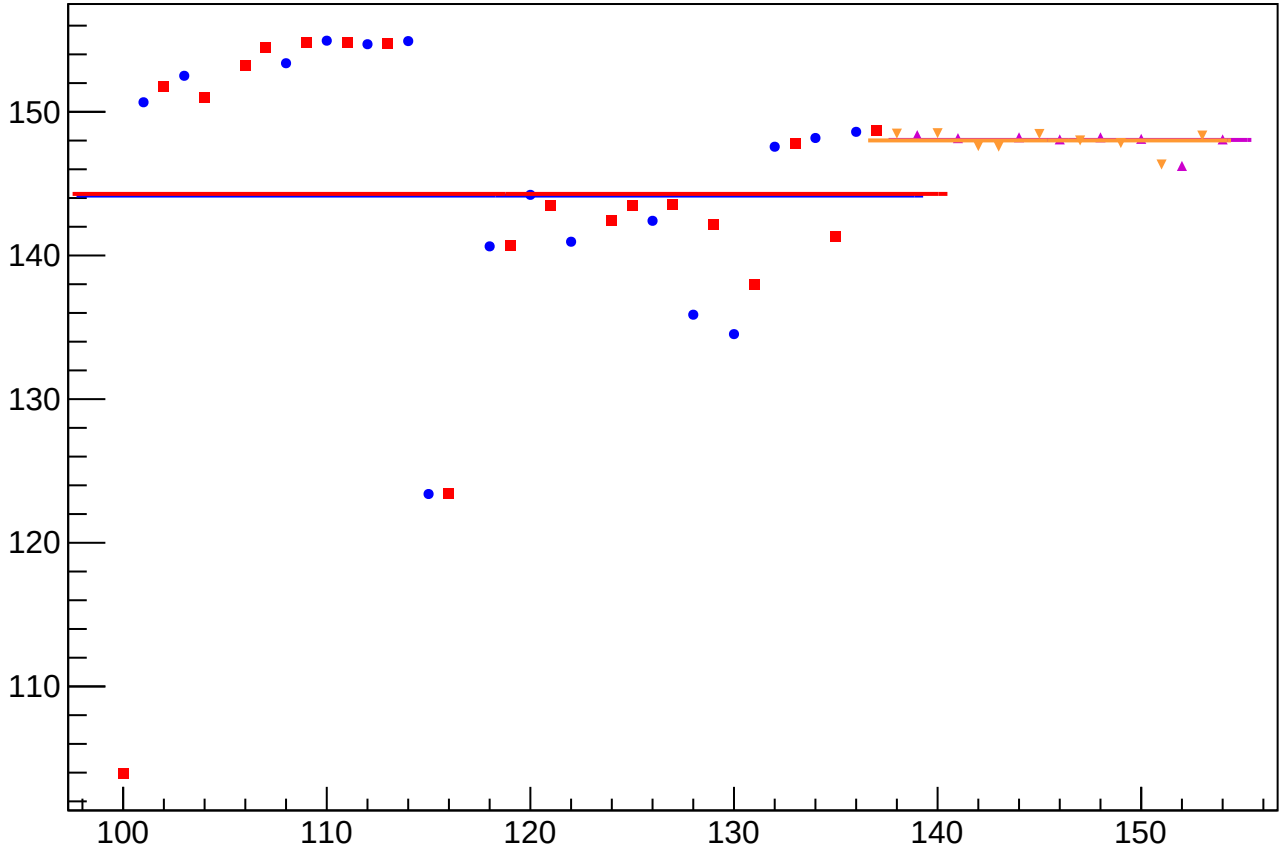
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5033.661+/-0.978 χ^2/NDF:140965.5/23

Out: 4985.528+/-0.957 χ^2/NDF:110222.7/27

All: 5009.067+/-0.684 χ^2/NDF: 252425.7/51

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.010+/-0.000 χ^2/NDF:18241868.2/8

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 148.044+/-0.000 χ^2/NDF:14425840.6/7

Left: 148.026+/-0.000 χ^2/NDF: 32697657.2/16

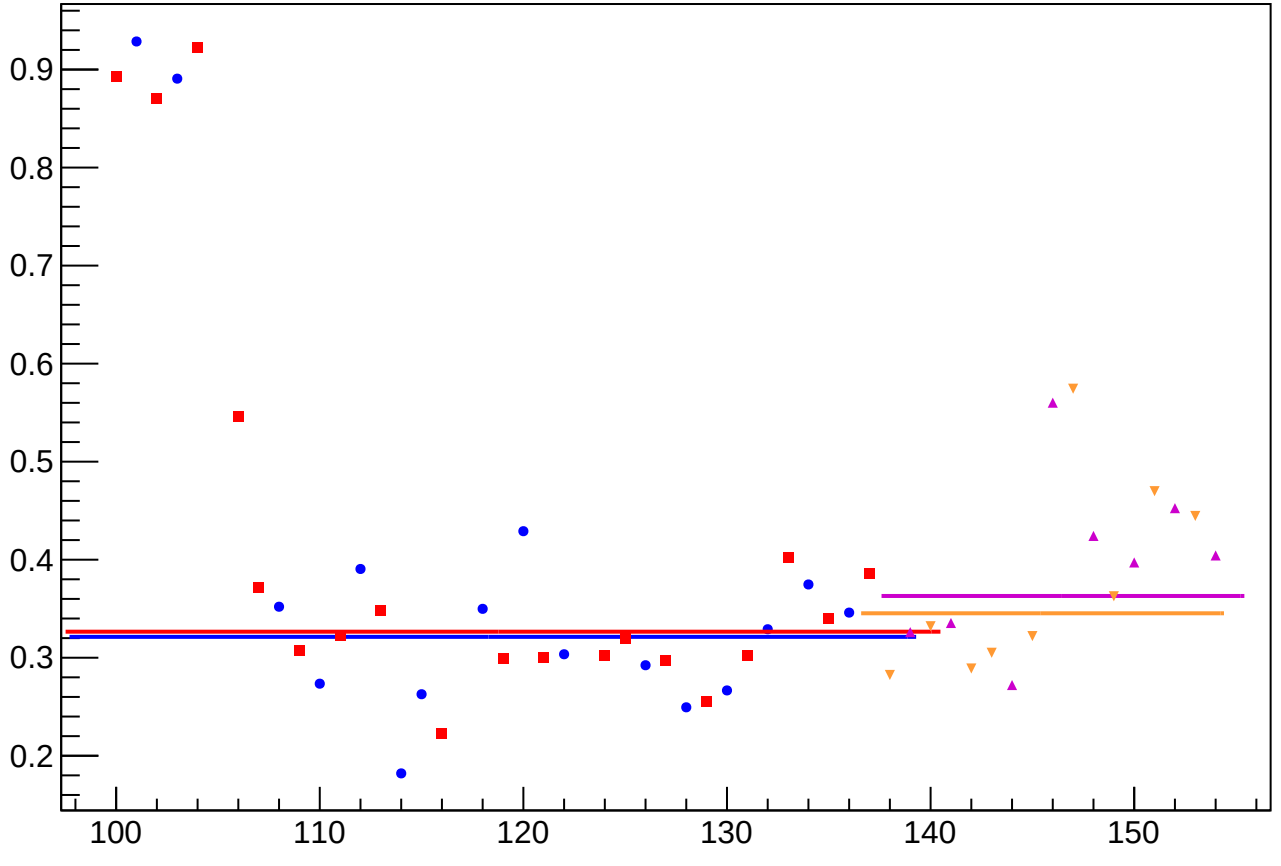
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.944+/-0.000 χ^2/NDF:4174806907.4/23

Out: 146.087+/-0.000 χ^2/NDF:4691509327.8/27

All: 146.017+/-0.000 χ^2/NDF: 8867425698.6

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.345+/-0.000 χ^2/NDF:580143.2/8

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.363+/-0.000 χ^2/NDF:559961.7/7

Left: 0.354+/-0.000 χ^2/NDF: 1156004.1/16

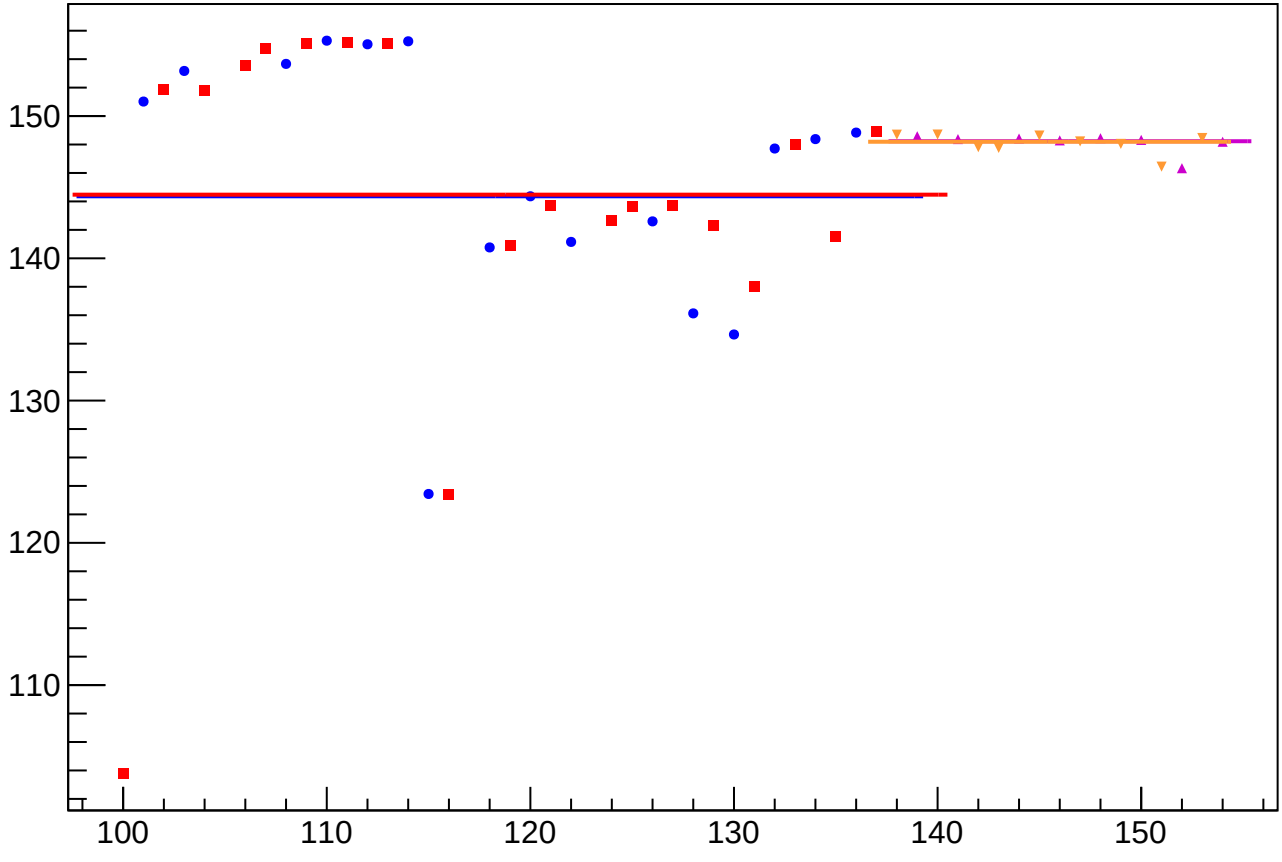
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.340+/-0.000 χ^2/NDF:2047947.8/23

Out: 0.336+/-0.000 χ^2/NDF:1902336.1/27

All: 0.338+/-0.000 χ^2/NDF: 3952719.2/51

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



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: 148.231+/-0.000 χ^2/NDF:15746359.0/7

Left: 148.212+/-0.000 χ^2/NDF: 34630139.9/16

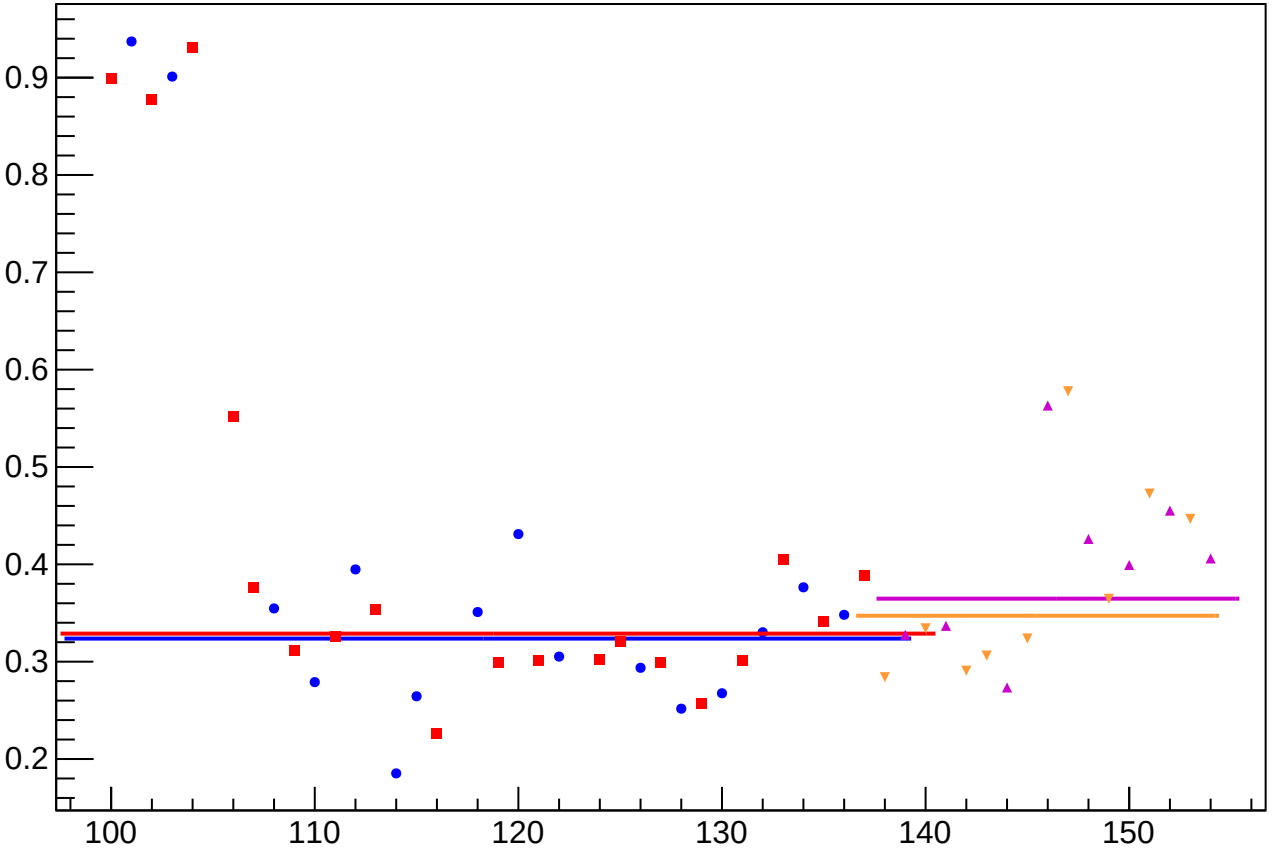
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.136+/-0.000 χ^2/NDF:4164805472.6/23

Out: 146.276+/-0.000 χ^2/NDF:4678489148.8/27

All: 146.207+/-0.000 χ^2/NDF: 8844335817.6

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: 0.365+/-0.000 χ^2/NDF:560462.2/7

Left: 0.356+/-0.000 χ^2/NDF: 1156394.4/16

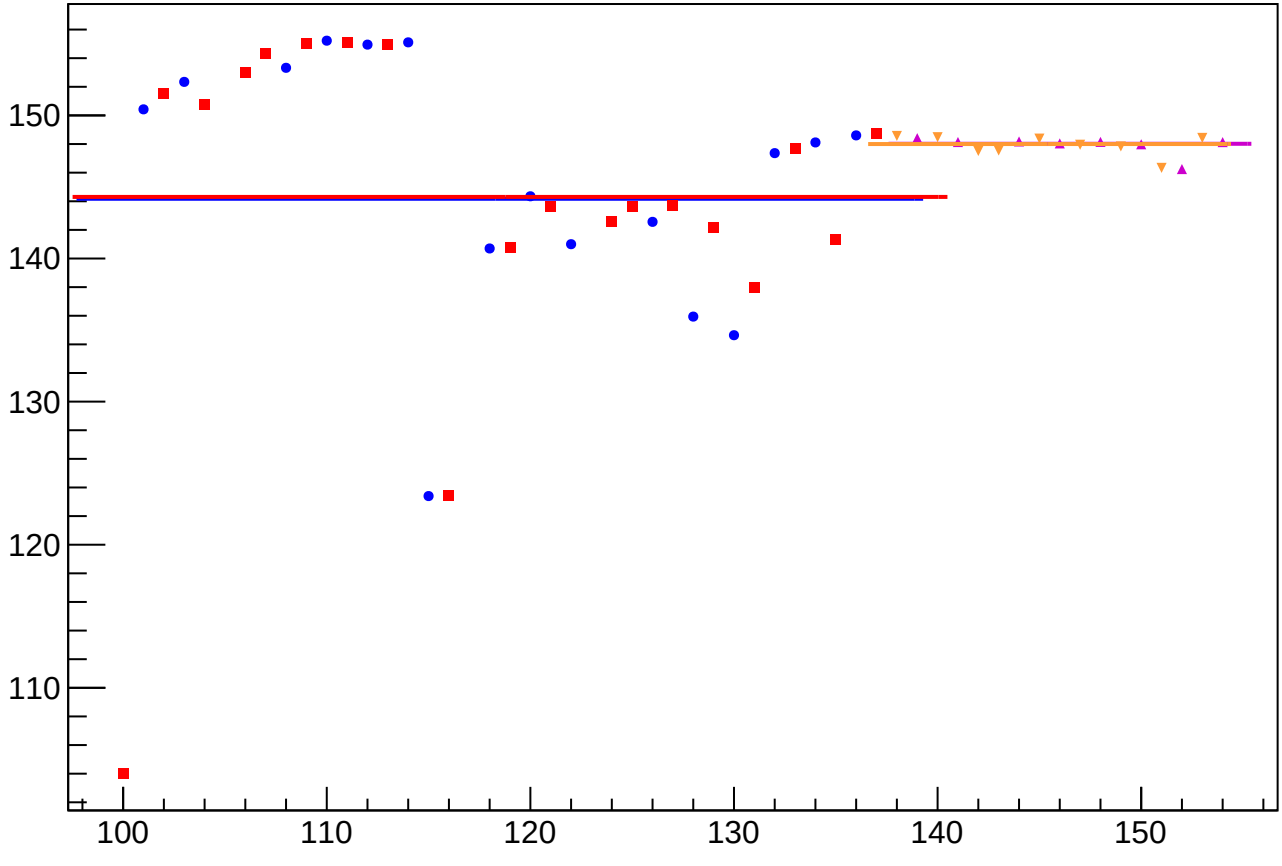
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.343+/-0.000 χ^2/NDF:2040546.6/23

Out: 0.338+/-0.000 χ^2/NDF:1902029.4/27

All: 0.340+/-0.000 χ^2/NDF: 3945063.7/51

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: 148.018+/-0.000 χ^2/NDF:13818294.9/7

Left: 148.008+/-0.000 χ^2/NDF: 32898899.2/16

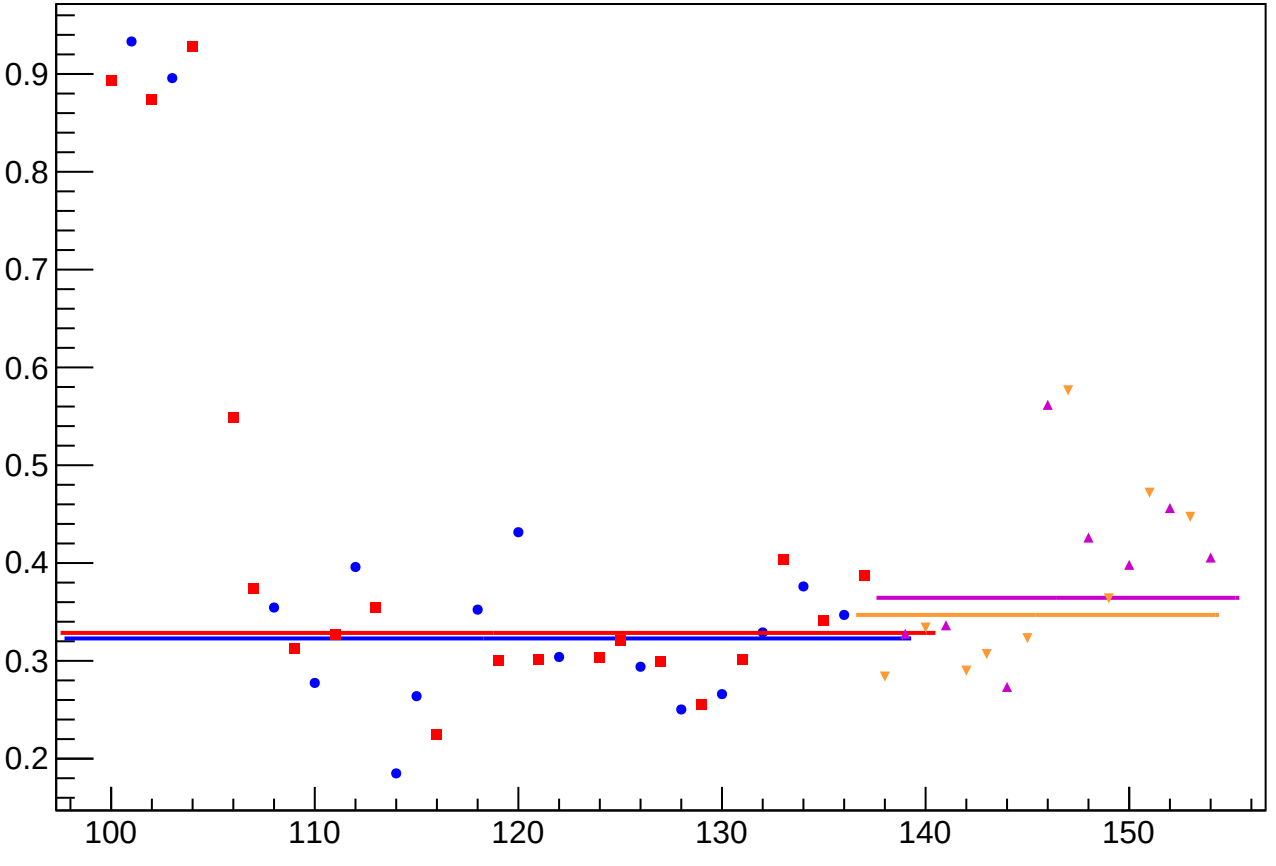
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.936+/-0.000 χ^2/NDF:4124408473.1/23

Out: 146.093+/-0.000 χ^2/NDF:4656862599.1/27

All: 146.016+/-0.000 χ^2/NDF: 8782601547.0

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.347+/-0.000 χ^2/NDF:579351.6/8

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.364+/-0.000 χ^2/NDF:560585.9/7

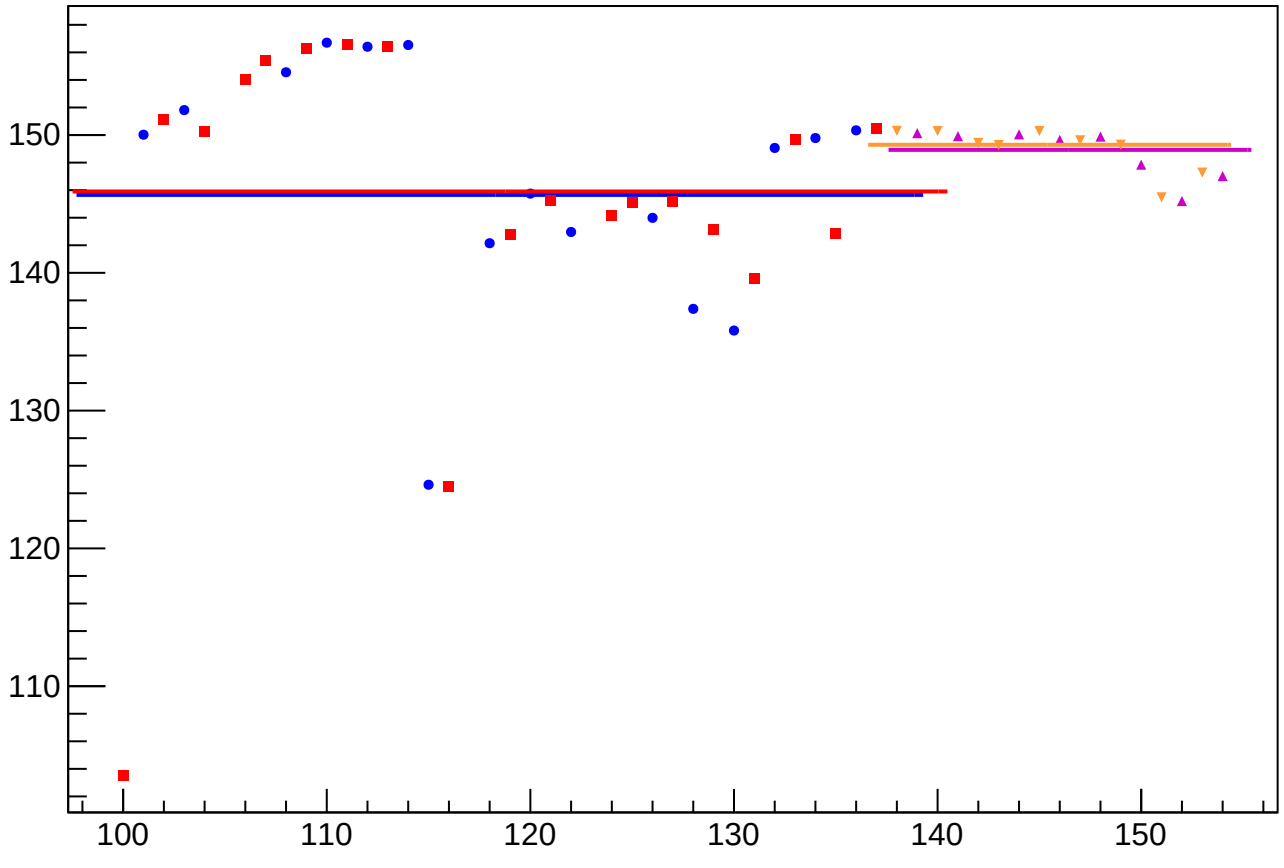
Left: 0.355+/-0.000 χ^2/NDF: 1155374.0/16

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.342+/-0.000 χ^2/NDF:2046861.7/23

Out: 0.337+/-0.000 χ^2/NDF:1901979.3/27

All: 0.340+/-0.000 χ^2/NDF: 3950970.1/51



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: 148.924+/-0.000 χ^2/NDF:112964669.8/7

Left: 149.116+/-0.000 χ^2/NDF: 203967172.1/16

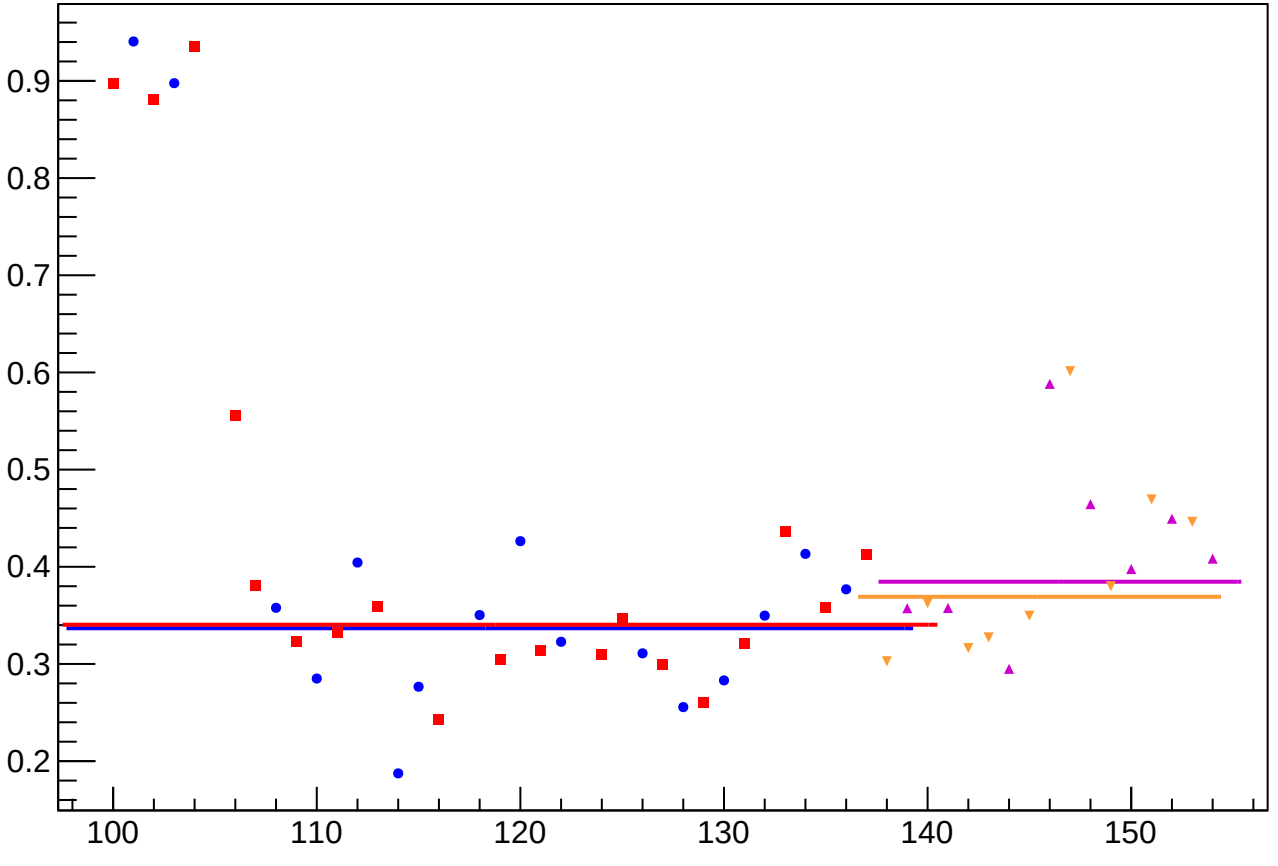
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 147.140+/-0.000 χ^2/NDF:3848642406.2/23

Out: 147.502+/-0.000 χ^2/NDF:4235722867.3/27

All: 147.324+/-0.000 χ^2/NDF: 8090774212.4

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.369+/-0.000 χ^2/NDF:472329.7/8

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.385+/-0.000 χ^2/NDF:466315.6/7

Left: 0.377+/-0.000 χ^2/NDF: 949487.9/16

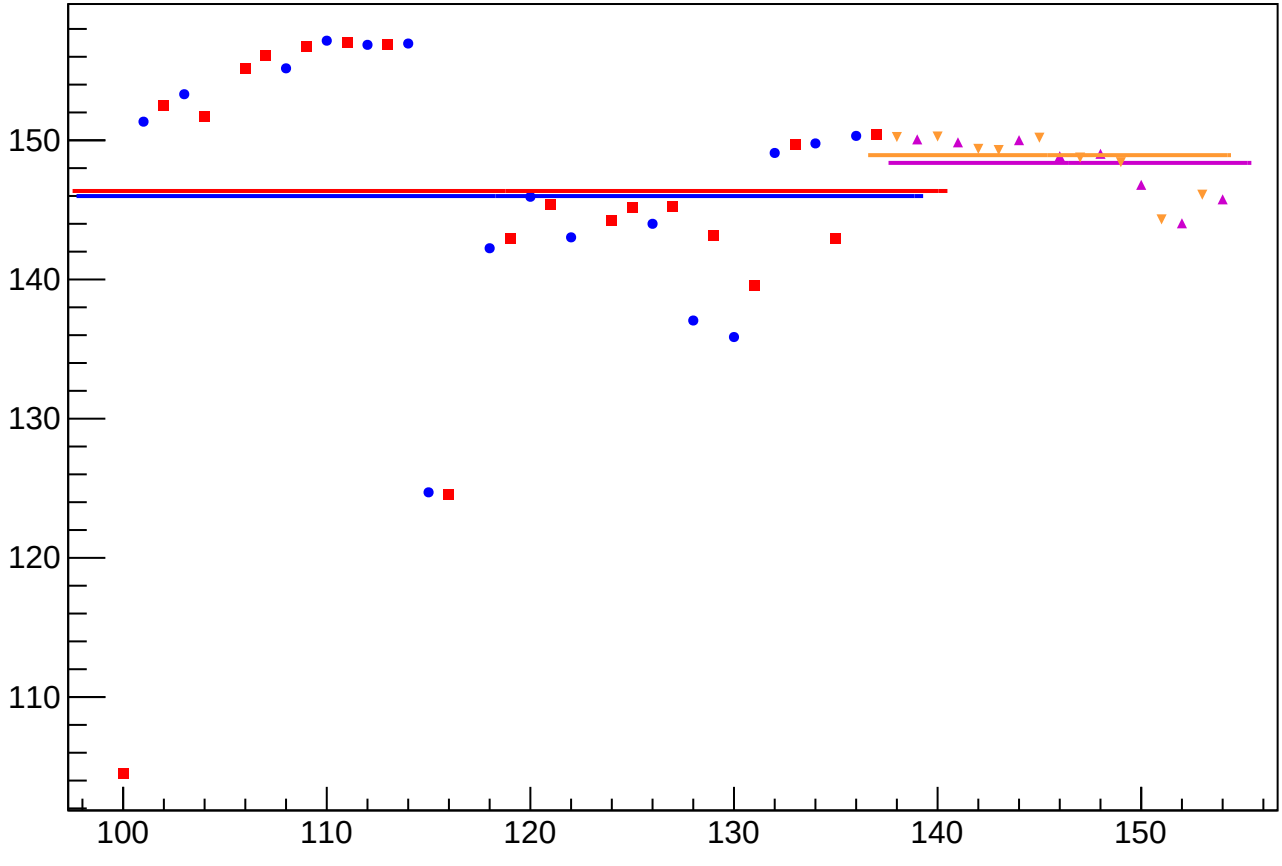
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.358+/-0.000 χ^2/NDF:1946001.4/23

Out: 0.354+/-0.000 χ^2/NDF:1788025.2/27

All: 0.356+/-0.000 χ^2/NDF: 3736047.0/51

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: 148.376+/-0.000 χ^2/NDF:183704662.0/7

Left: 148.665+/-0.000 χ^2/NDF: 335071419.7/16

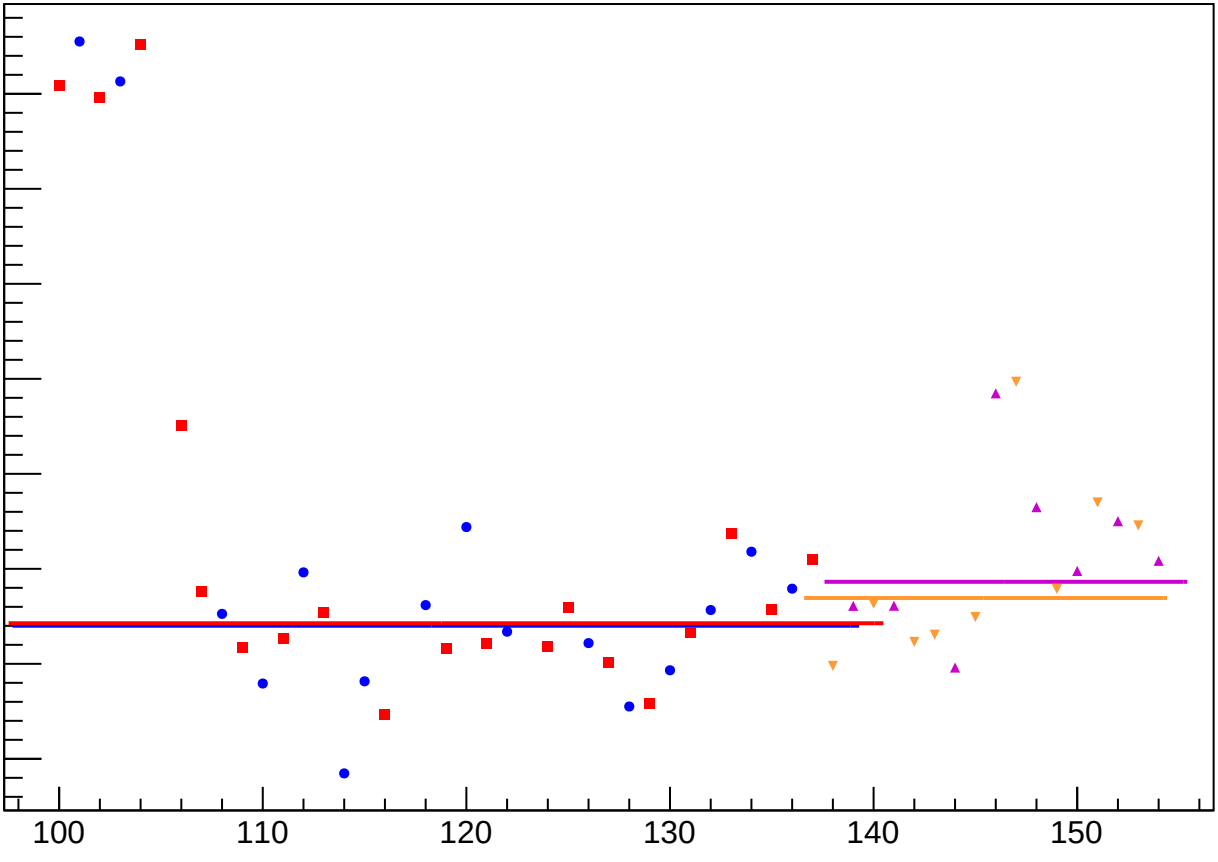
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.083+/-0.000 χ^2/NDF:3938444909.8/23

Out: 147.580+/-0.000 χ^2/NDF:4270206803.2/27

All: 147.336+/-0.000 χ^2/NDF: 8220561671.8

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: 0.386+/-0.000 χ^2/NDF:451074.6/7

Left: 0.377+/-0.000 χ^2/NDF: 933155.0/16

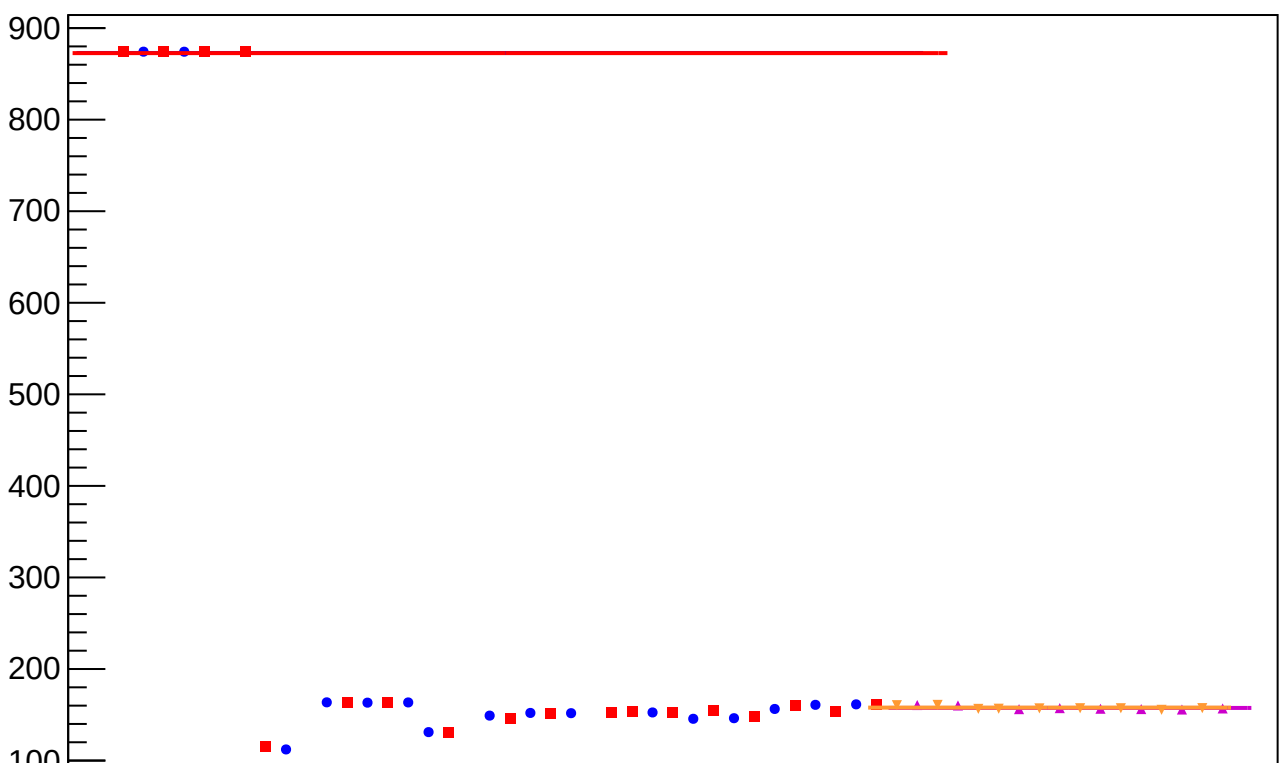
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.361+/-0.000 χ^2/NDF:1944320.5/23

Out: 0.355+/-0.000 χ^2/NDF:1774428.2/27

All: 0.358+/-0.000 χ^2/NDF: 3722169.3/51

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: 157.486+/-0.000 χ^2/NDF:39533845.6/7

Left: 157.663+/-0.000 χ^2/NDF: 81011309.0/16

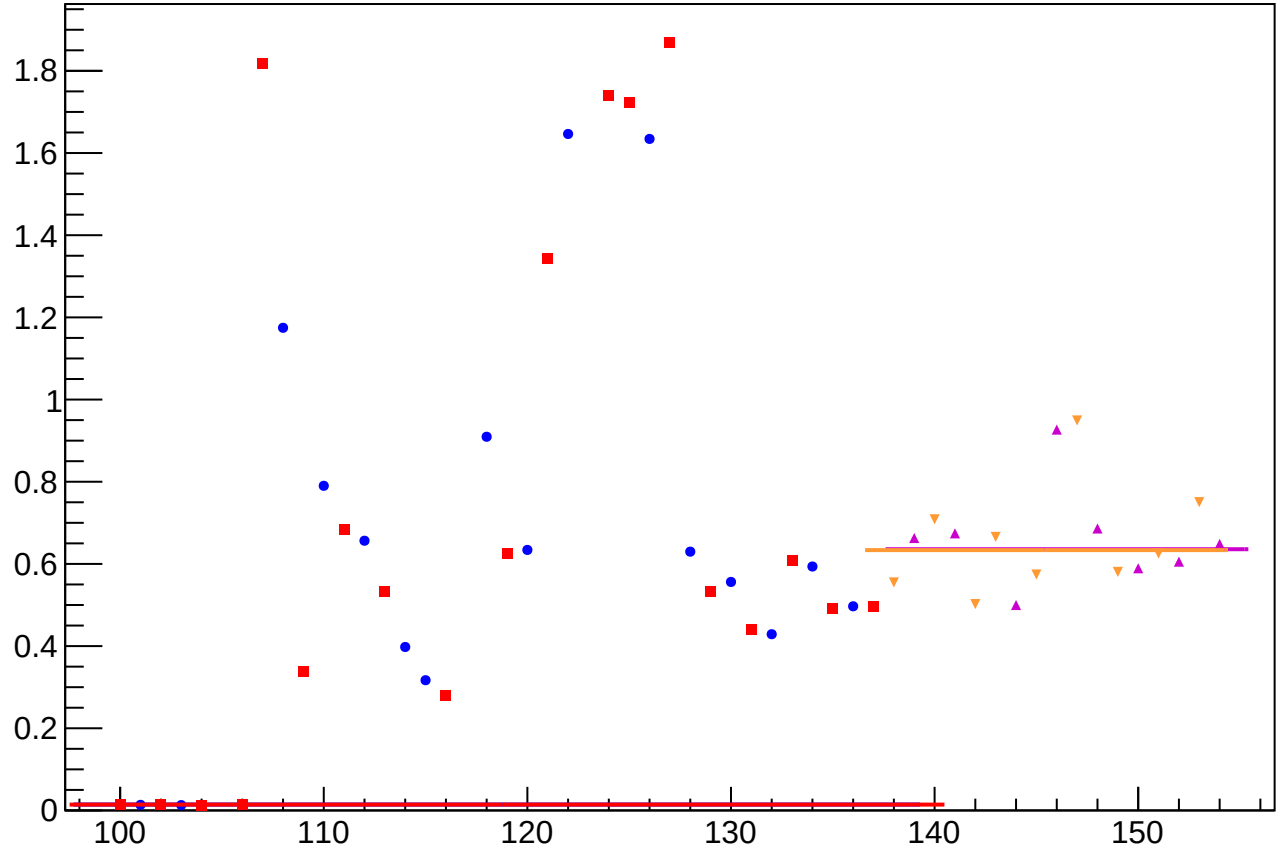
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 871.671+/-0.000 χ^2/NDF:13058289699905.0/2

Out: 871.690+/-0.000 χ^2/NDF:14952146618781.2

All: 871.681+/-0.000 χ^2/NDF: 280104377242

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: 0.636+/-0.000 χ^2/NDF:204725.1/7

Left: 0.635+/-0.000 χ^2/NDF: 445531.5/16

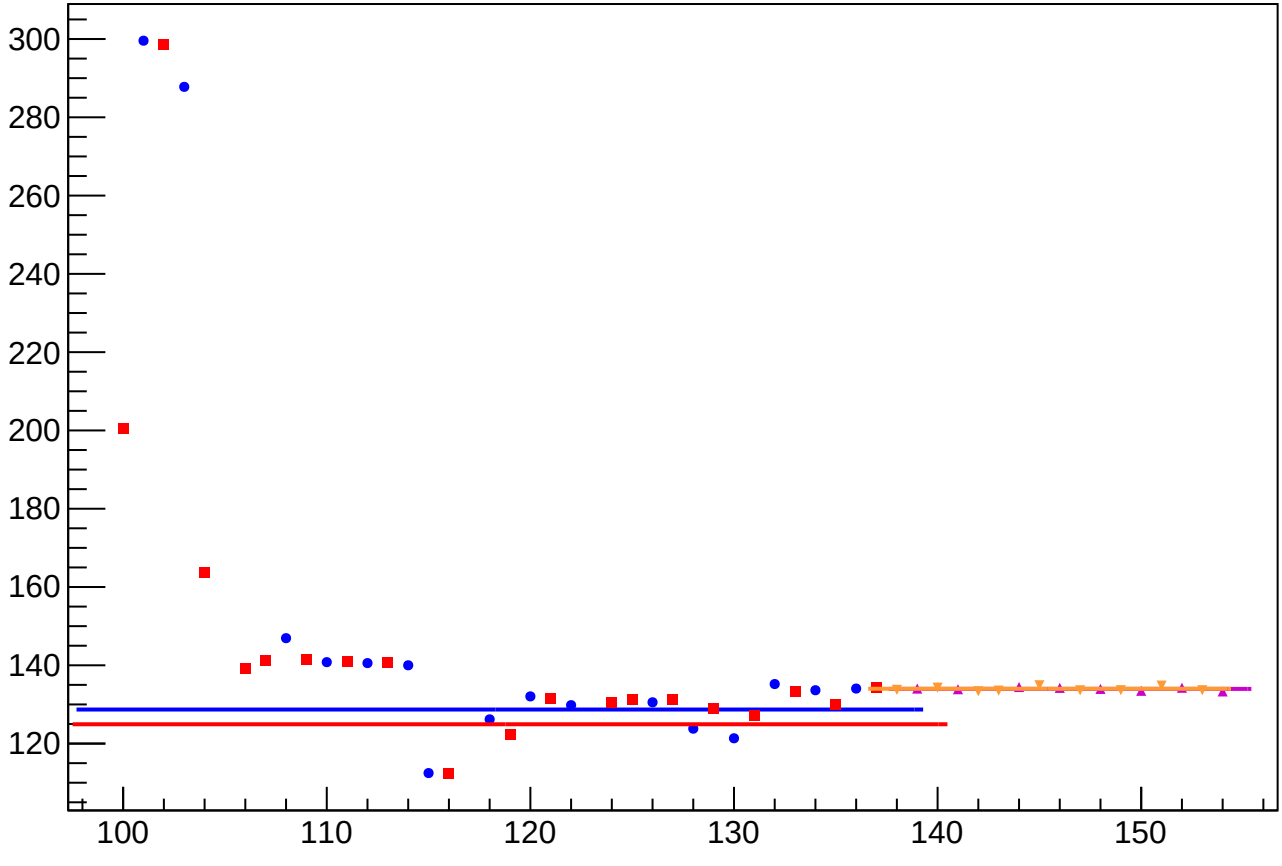
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:18681166.1/23

Out: 0.015+/-0.000 χ^2/NDF:18336106.5/27

All: 0.015+/-0.000 χ^2/NDF: 37017901.0/51

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: 133.968+/-0.000 χ^2/NDF:4316684.3/7

Left: 133.991+/-0.000 χ^2/NDF: 13747437.9/16

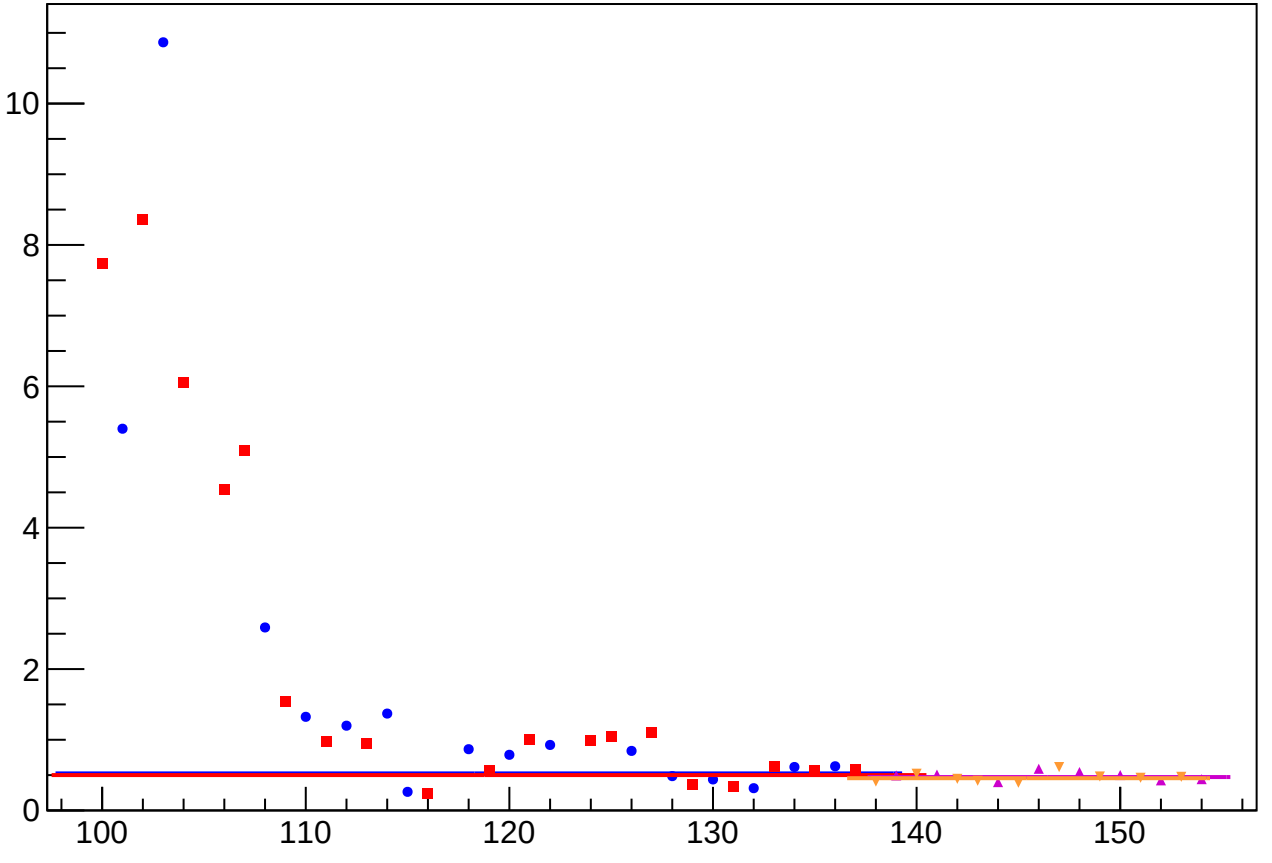
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.188+/-0.000 χ^2/NDF:1906018072.8/23

Out: 130.958+/-0.000 χ^2/NDF:2174307423.8/27

All: 131.557+/-0.000 χ^2/NDF: 4111050464.9

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: 0.473+/-0.000 χ^2/NDF:181802.7/7

Left: 0.464+/-0.000 χ^2/NDF: 372843.6/16

Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.490+/-0.000 χ^2/NDF:4367146.9/23

Out: 0.471+/-0.000 χ^2/NDF:5104514.3/27

All: 0.480+/-0.000 χ^2/NDF: 9485993.2/51

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: 137.310+/-0.000 χ^2/NDF:4158774.3/7

Left: 137.288+/-0.000 χ^2/NDF: 20236687.1/16

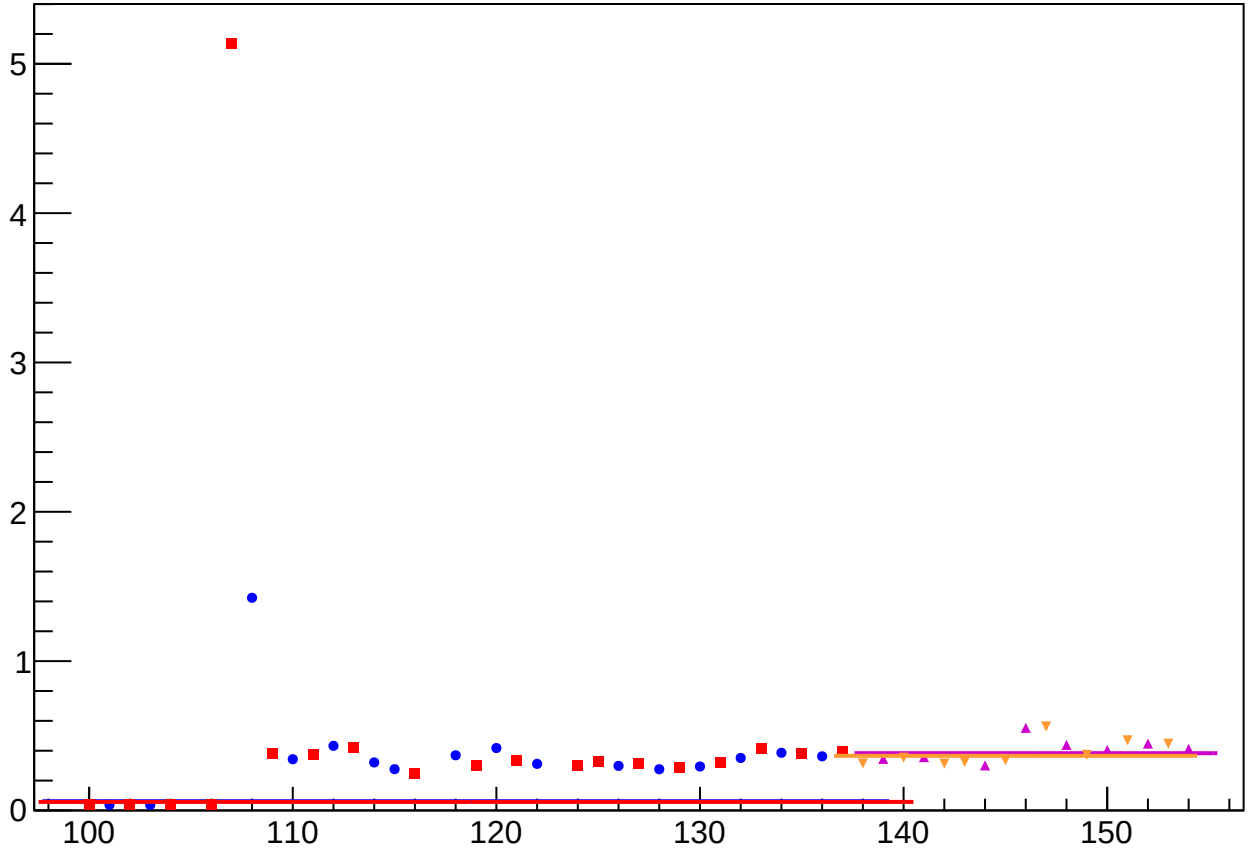
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1716.702+/-0.000 χ^2/NDF:265422142246120.

Out: 1748.541+/-0.000 χ^2/NDF:27795065710940

All: 1733.815+/-0.000 χ^2/NDF: 5437077596

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: 0.383+/-0.000 χ^2/NDF:387043.1/7

Left: 0.374+/-0.000 χ^2/NDF: 821467.8/16

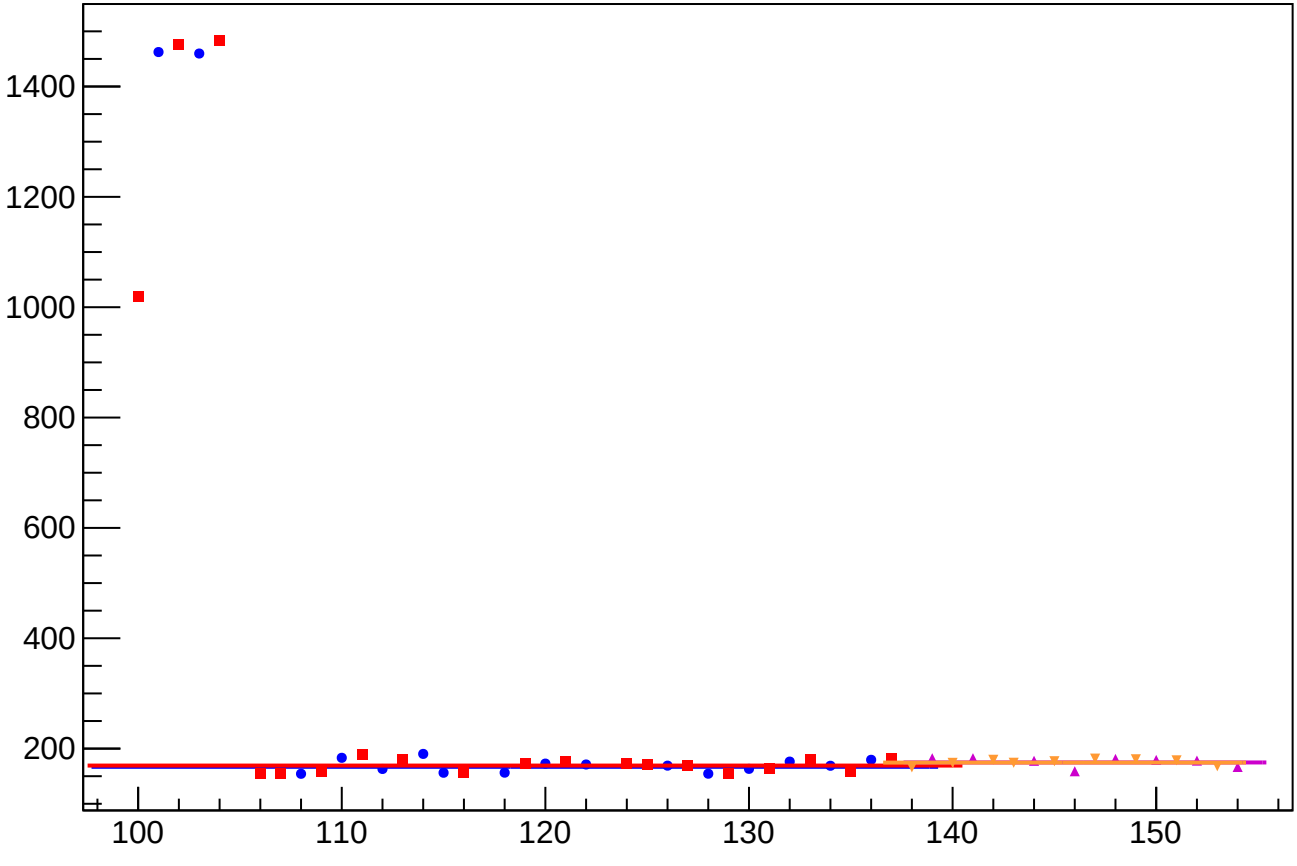
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.085+/-0.000 χ^2/NDF:17093878.2/23

Out: 0.078+/-0.000 χ^2/NDF:16777671.0/27

All: 0.081+/-0.000 χ^2/NDF: 33901917.1/51

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: 174.903+/-0.000 χ^2/NDF:436311879.7/7

Left: 174.783+/-0.000 χ^2/NDF: 633439076.2/16

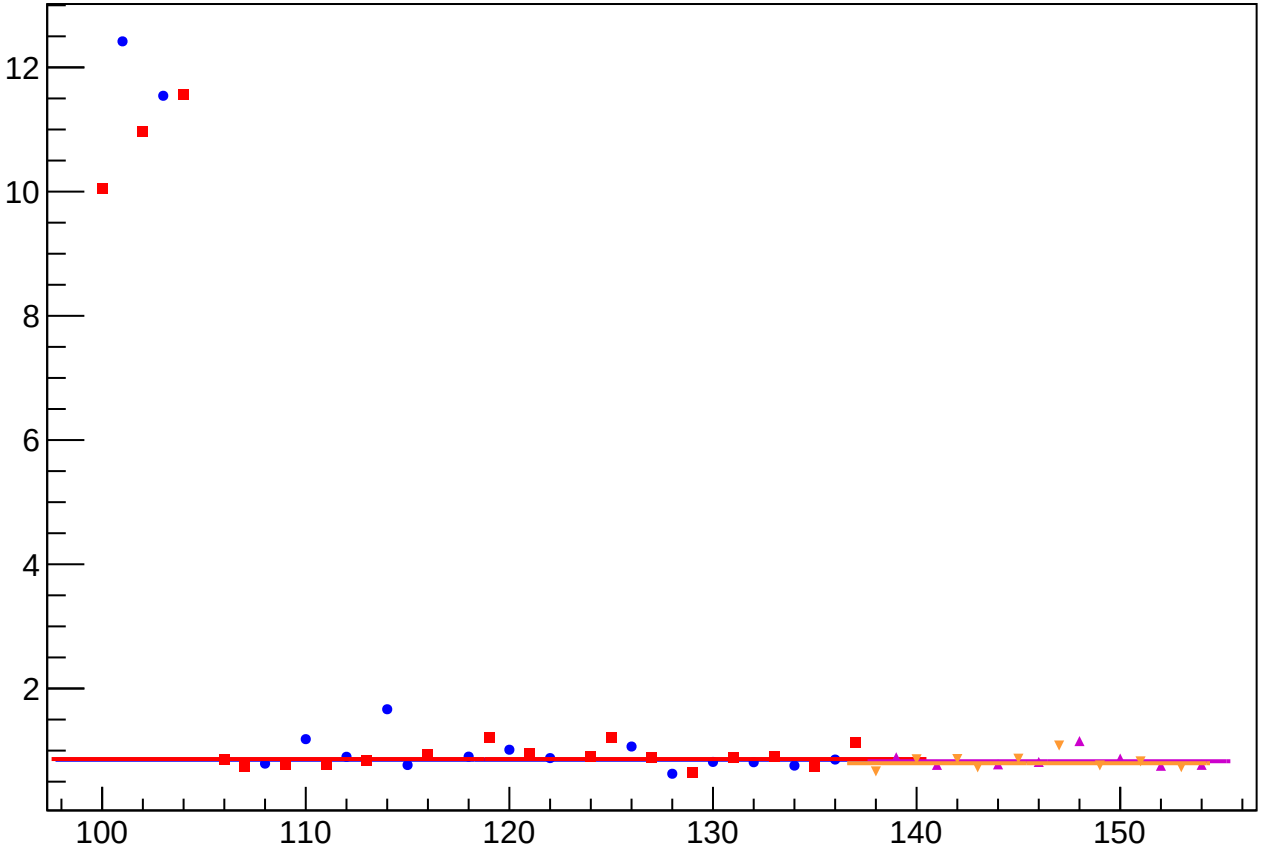
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.268+/-0.000 χ^2/NDF:15228806120.7/23

Out: 172.185+/-0.000 χ^2/NDF:16600825121.9/27

All: 171.734+/-0.000 χ^2/NDF: 31834546631.

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: 0.829+/-0.000 χ^2/NDF:129480.6/7

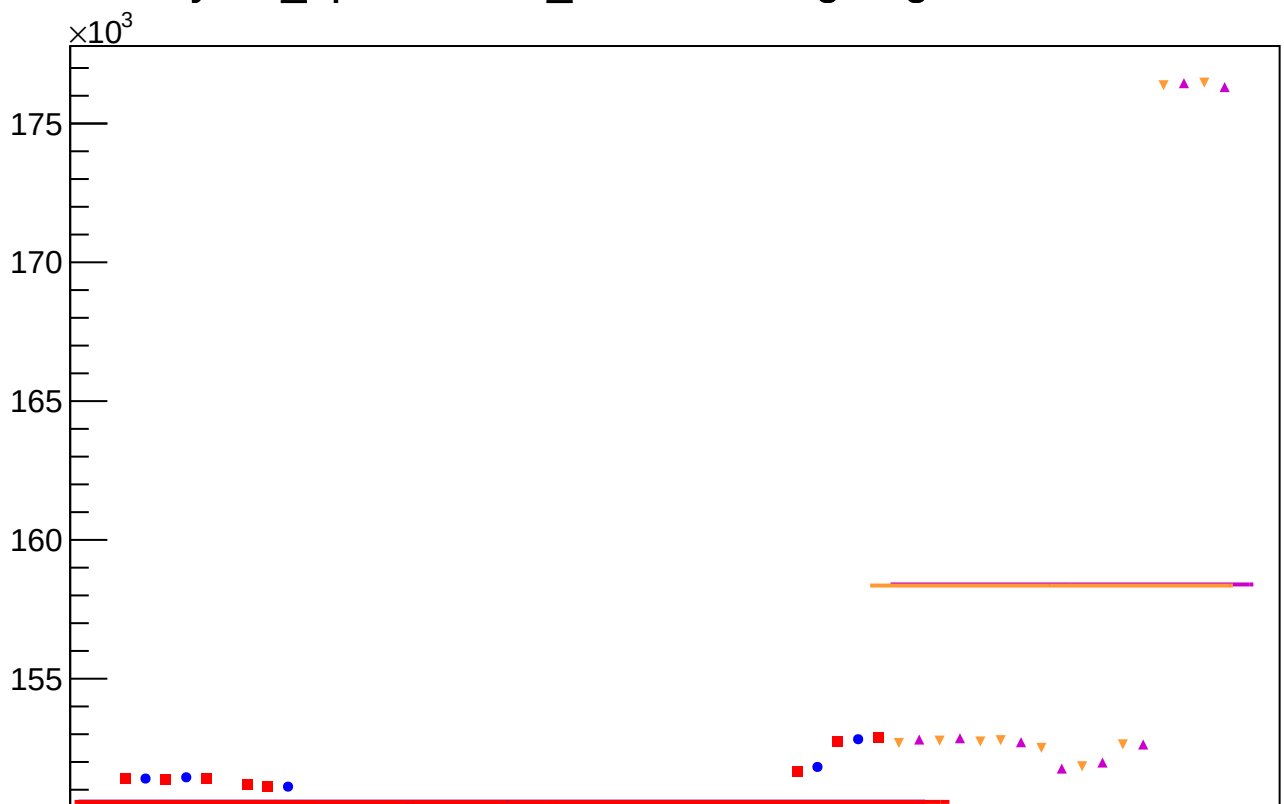
Left: 0.812+/-0.000 χ^2/NDF: 281352.2/16

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.840+/-0.000 χ^2/NDF:2435097.0/23

Out: 0.828+/-0.000 χ^2/NDF:2381537.1/27

All: 0.834+/-0.000 χ^2/NDF: 4818390.6/51



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: 158395.221+/-0.069 χ^2/NDF:22266247113.0/7

Left: 158374.539+/-0.048 χ^2/NDF: 45805078830.5

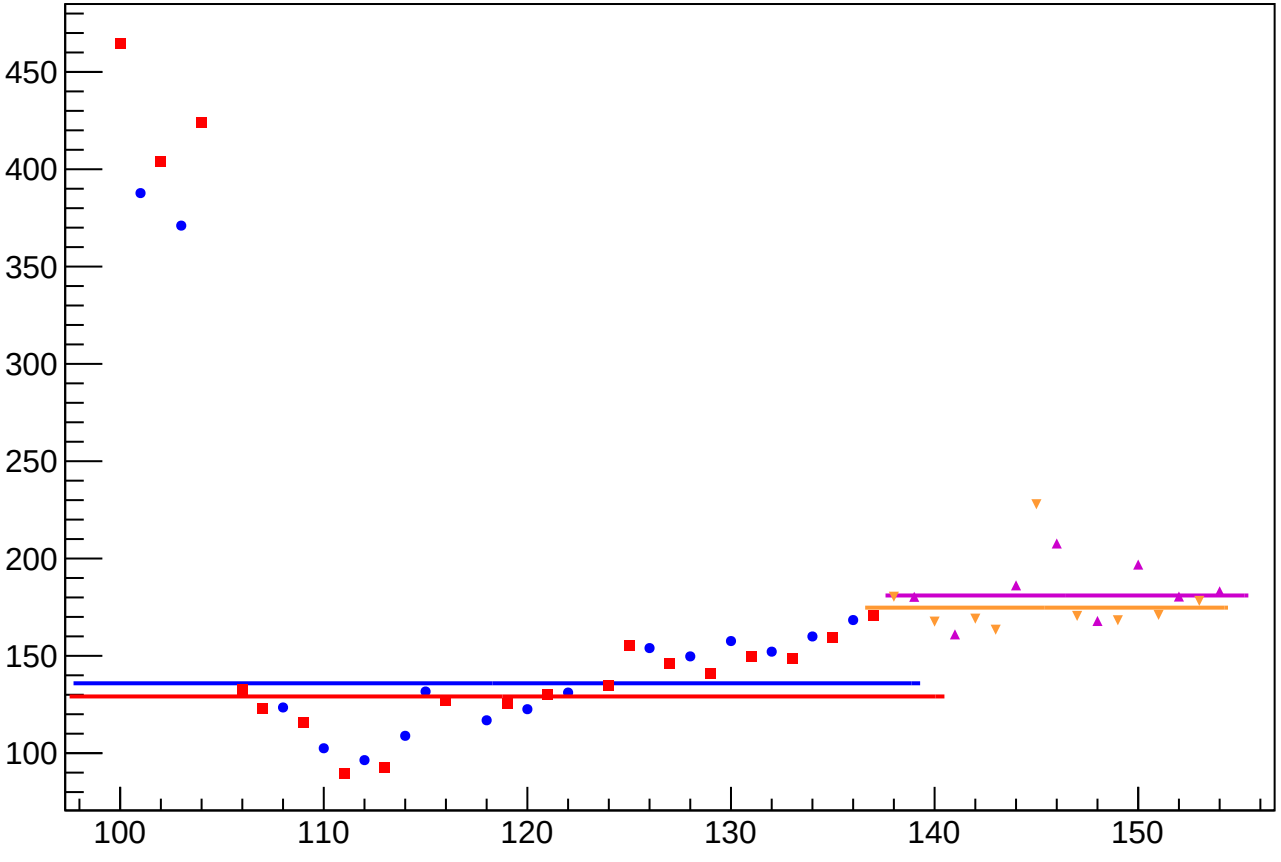
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 153576.540+/-0.043 χ^2/NDF:30397126419.4/2

Out: 153433.848+/-0.041 χ^2/NDF:32348529676.9/

All: 153501.195+/-0.029 χ^2/NDF: 627515112

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: 181.012+/-0.049 χ^2/NDF:78968.6/7

Left: 177.779+/-0.034 χ^2/NDF: 193062.9/16

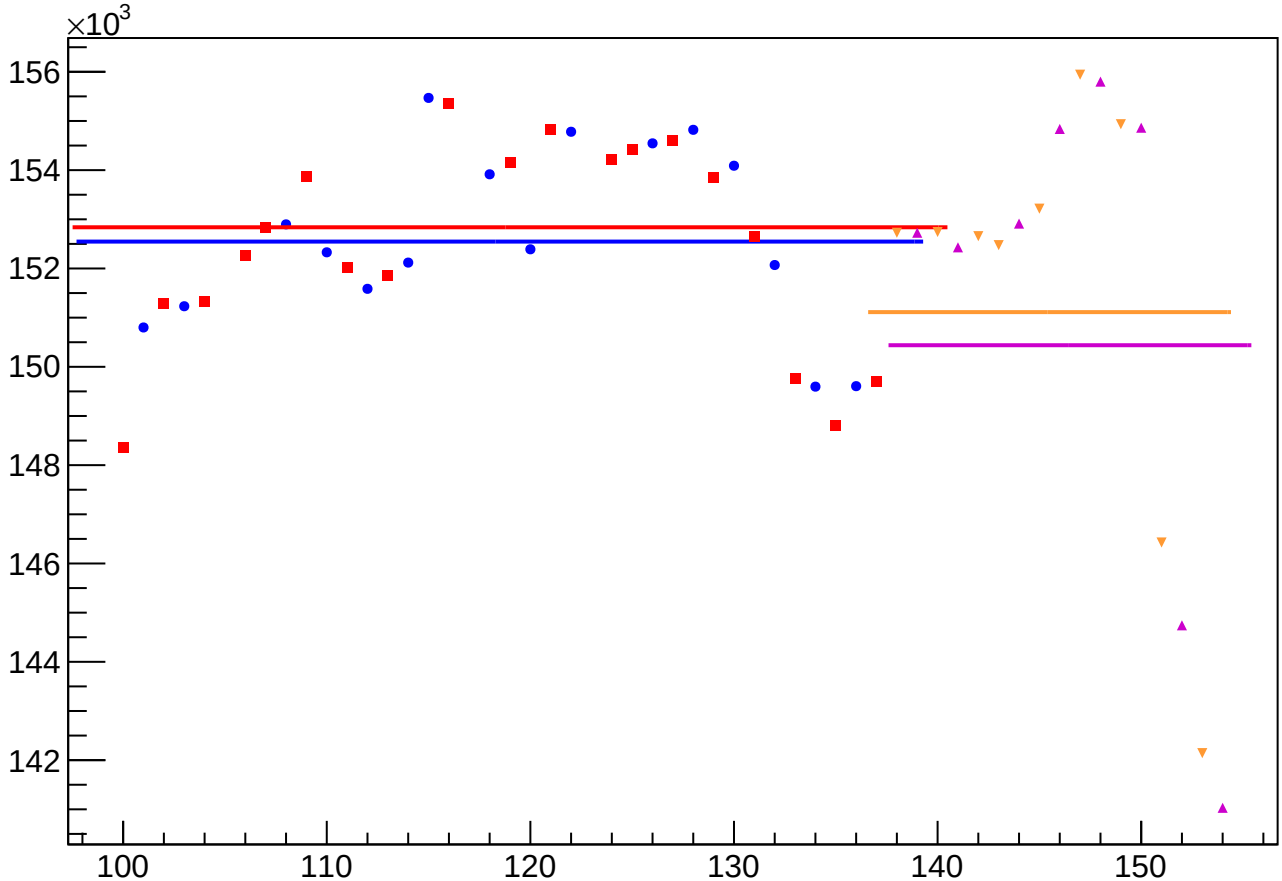
Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 153.235+/-0.030 χ^2/NDF:2019890.8/23

Out: 145.948+/-0.029 χ^2/NDF:2310519.3/27

All: 149.387+/-0.021 χ^2/NDF: 4360945.3/51

yield_bpm0i07WS_mean vs Slug, Sign Corrected



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: 150439.130+/-0.078 χ^2/NDF:4323777072.4/7

Left: 150786.705+/-0.054 χ^2/NDF: 7376536463.4/1

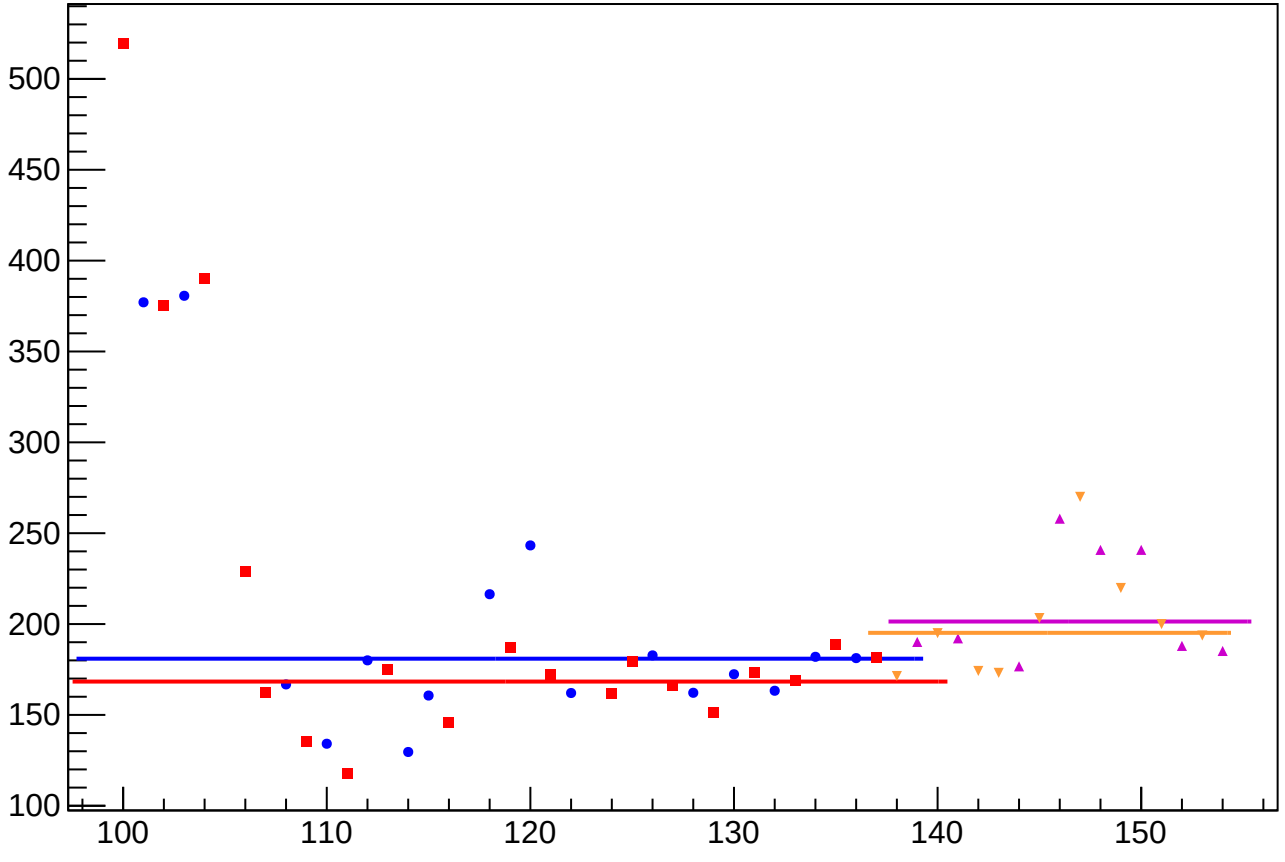
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 151562.912+/-0.053 χ^2/NDF:5371647151.7/23

Out: 152077.826+/-0.050 χ^2/NDF:4045937986.7/2

All: 151836.173+/-0.036 χ^2/NDF: 946763438

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: 201.393+/-0.055 χ^2/NDF:241222.0/7

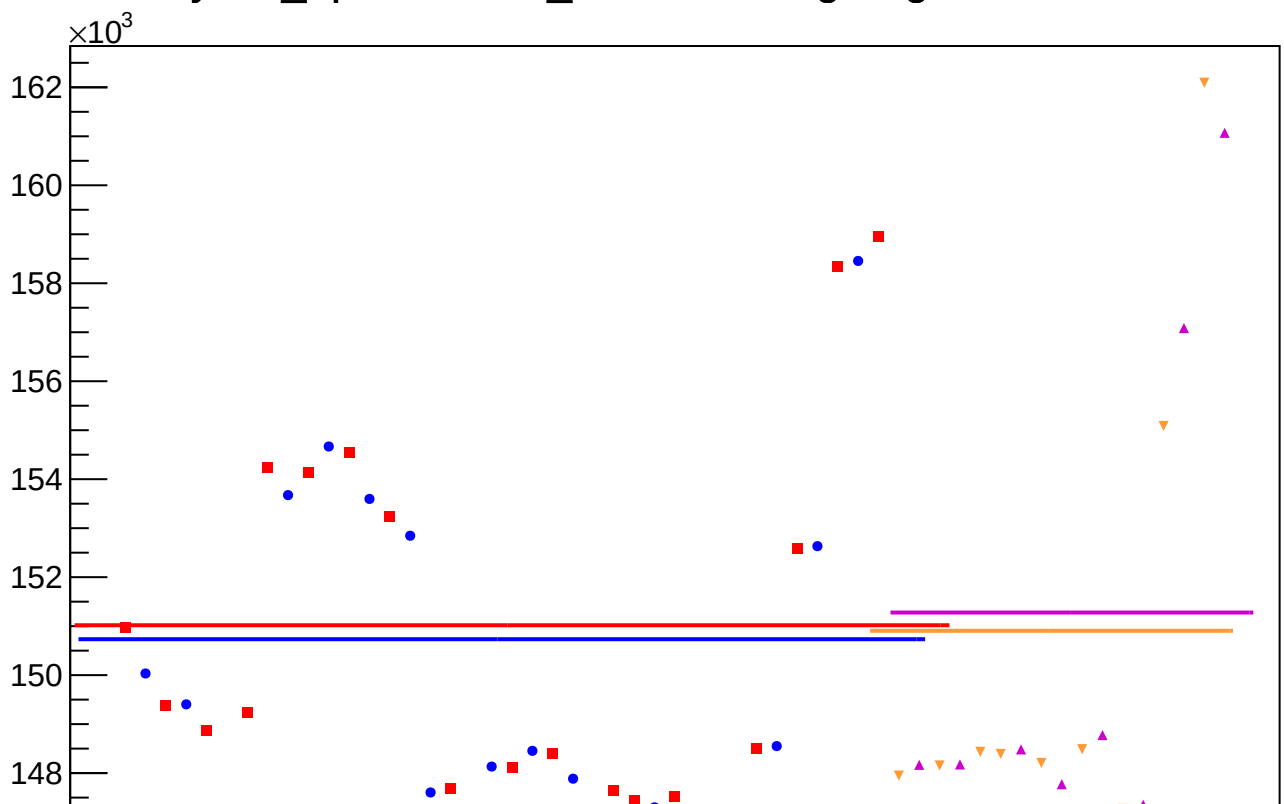
Left: 198.178+/-0.038 χ^2/NDF: 465126.6/16

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.487+/-0.037 χ^2/NDF:1223061.2/23

Out: 180.162+/-0.035 χ^2/NDF:1448919.2/27

All: 185.008+/-0.026 χ^2/NDF: 2712232.4/51



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: 151278.074+/-0.076 χ^2/NDF:4519794152.8/7

Left: 151085.073+/-0.052 χ^2/NDF: 9256936941.5/1

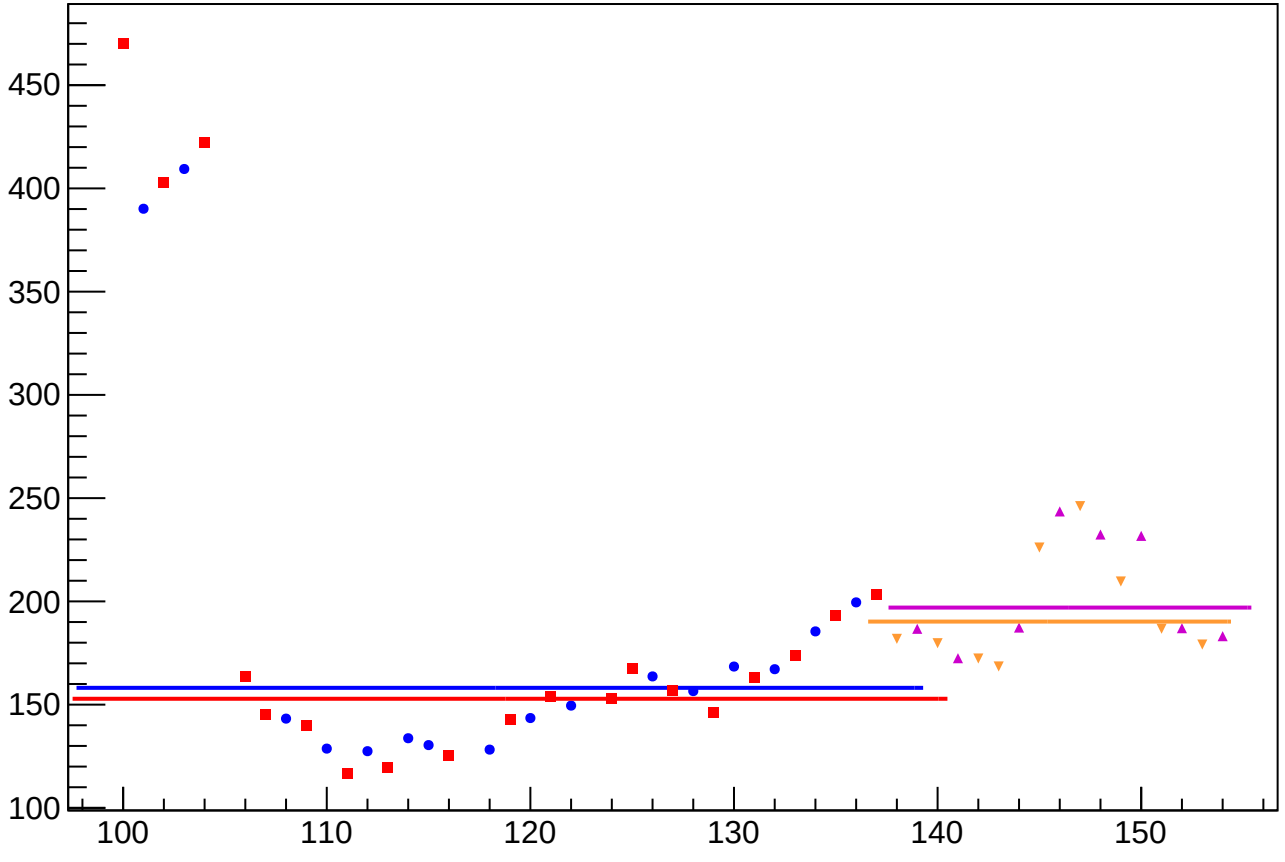
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150956.319+/-0.048 χ^2/NDF:7834352360.2/23

Out: 150972.787+/-0.046 χ^2/NDF:8012107994.3/2

All: 150964.899+/-0.033 χ^2/NDF: 15846520

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: 197.002+/-0.053 χ^2/NDF:202410.5/7

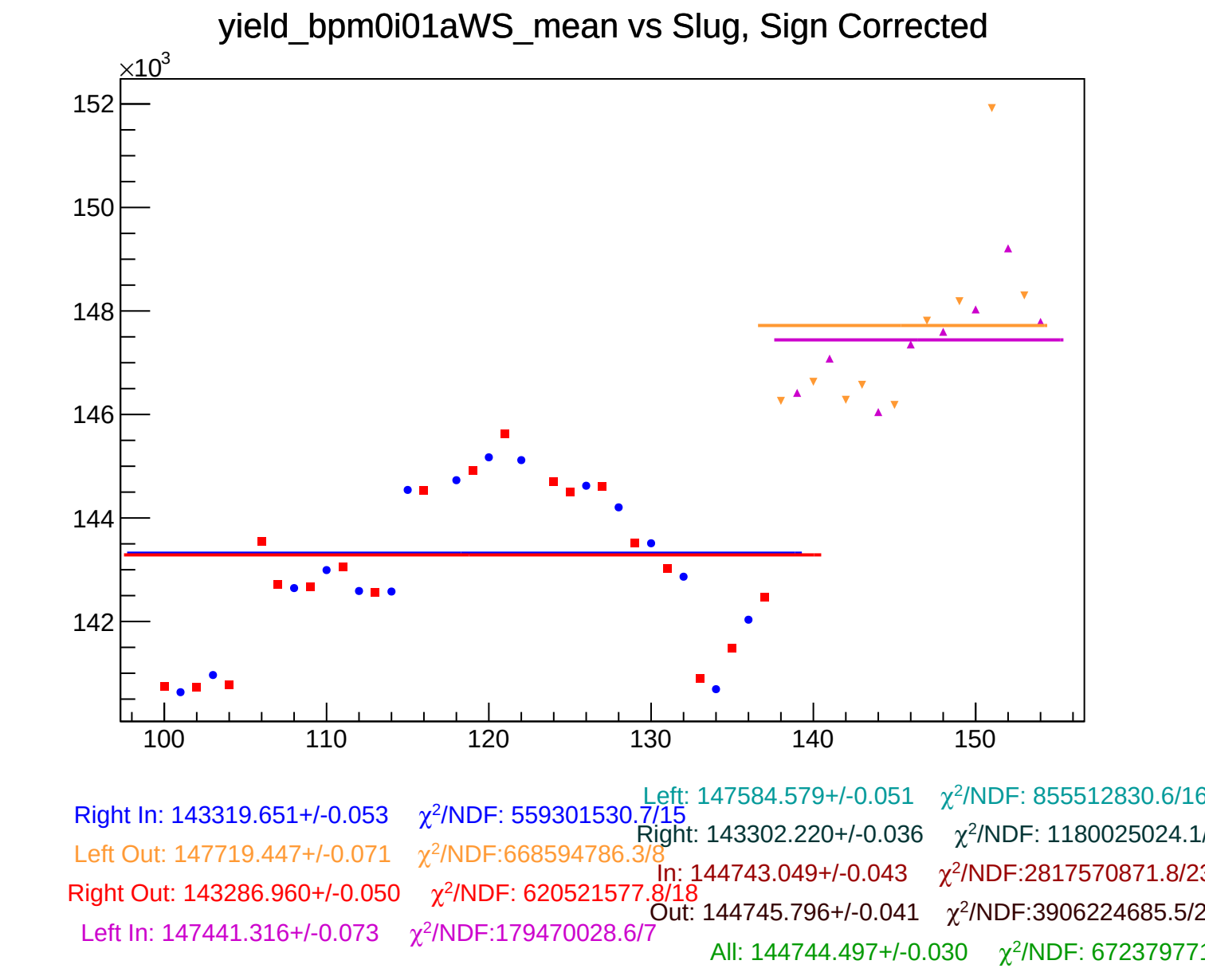
Left: 193.491+/-0.037 χ^2/NDF: 401427.3/16

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

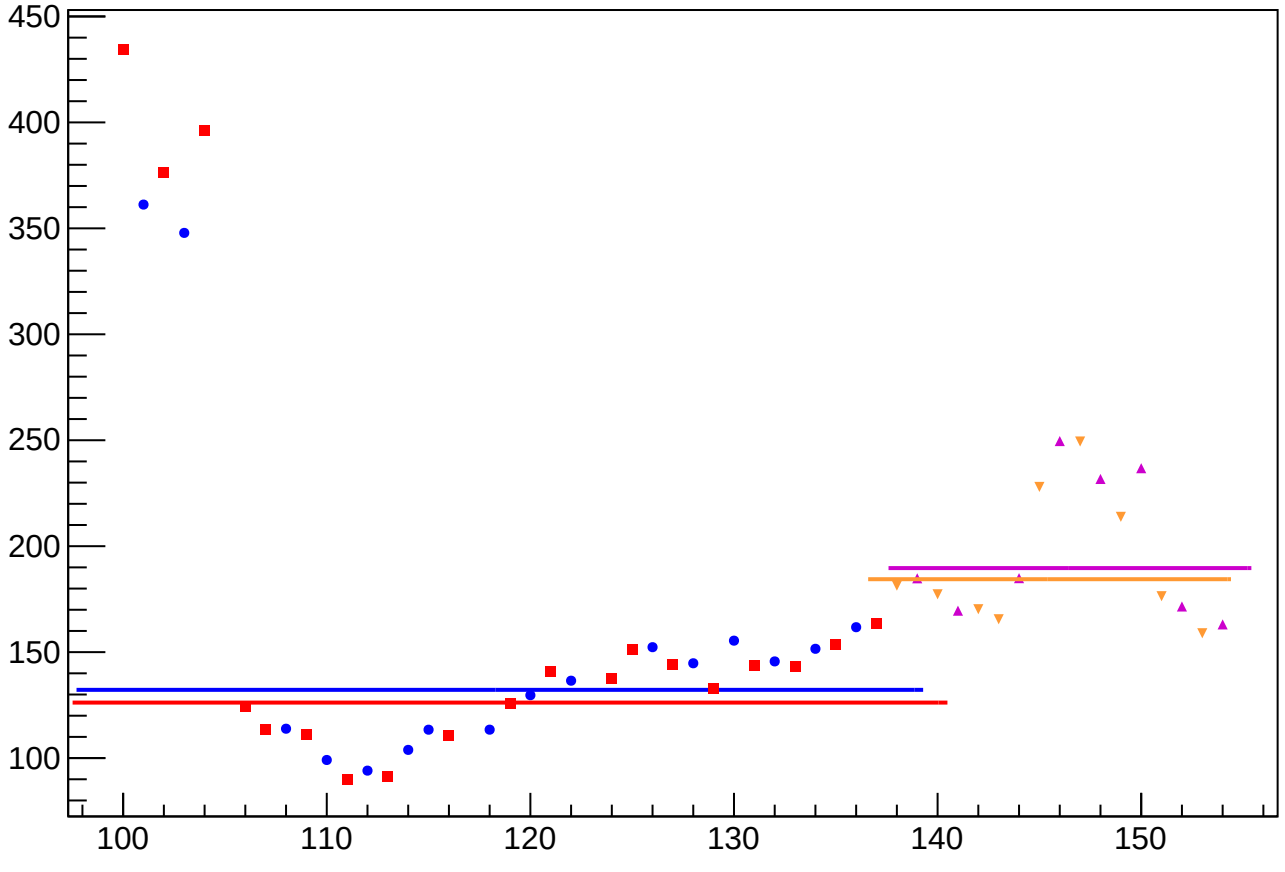
In: 174.048+/-0.034 χ^2/NDF:1710693.1/23

Out: 167.959+/-0.033 χ^2/NDF:1768302.9/27

All: 170.875+/-0.024 χ^2/NDF: 3495529.4/51


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
152
150
148
146
144
142
100
110
120
130
140
150
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147719.447+/-0.071 χ²/NDF:668594786.3/8
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147441.316+/-0.073 χ²/NDF:179470028.6/7
Left: 147584.579+/-0.051 χ²/NDF: 855512830.6/16
Right: 143302.220+/-0.036 χ²/NDF: 1180025024.1/
In: 144743.049+/-0.043 χ²/NDF:2817570871.8/23
Out: 144745.796+/-0.041 χ²/NDF:3906224685.5/2
All: 144744.497+/-0.030 χ²/NDF: 67237977

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: 189.664+/-0.052 χ^2/NDF:316560.0/7

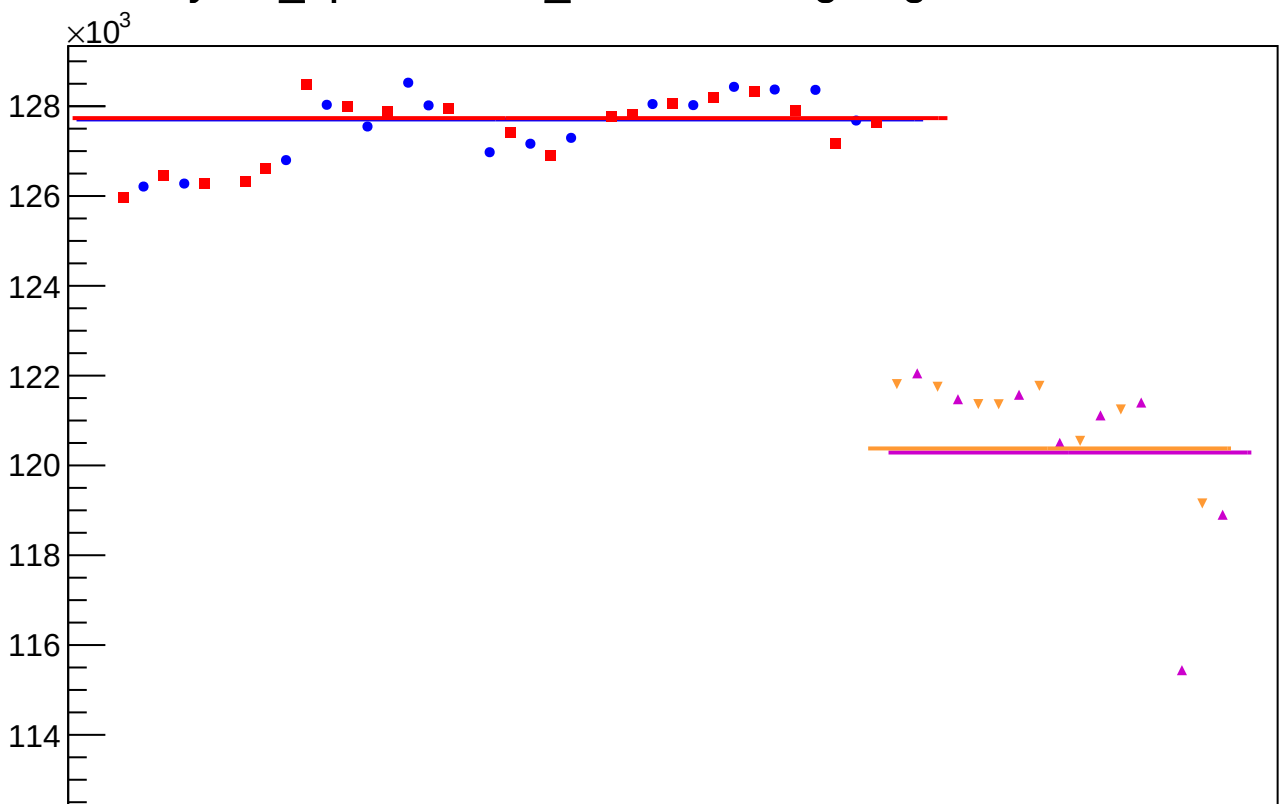
Left: 186.962+/-0.036 χ^2/NDF: 597990.5/16

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 152.048+/-0.030 χ^2/NDF:2503752.1/23

Out: 145.355+/-0.029 χ^2/NDF:2724432.6/27

All: 148.520+/-0.021 χ^2/NDF: 5253740.3/51



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: 120287.585+/-0.065 χ^2/NDF:1057222266.4/7

Left: 120332.632+/-0.046 χ^2/NDF: 2730204289.7/1

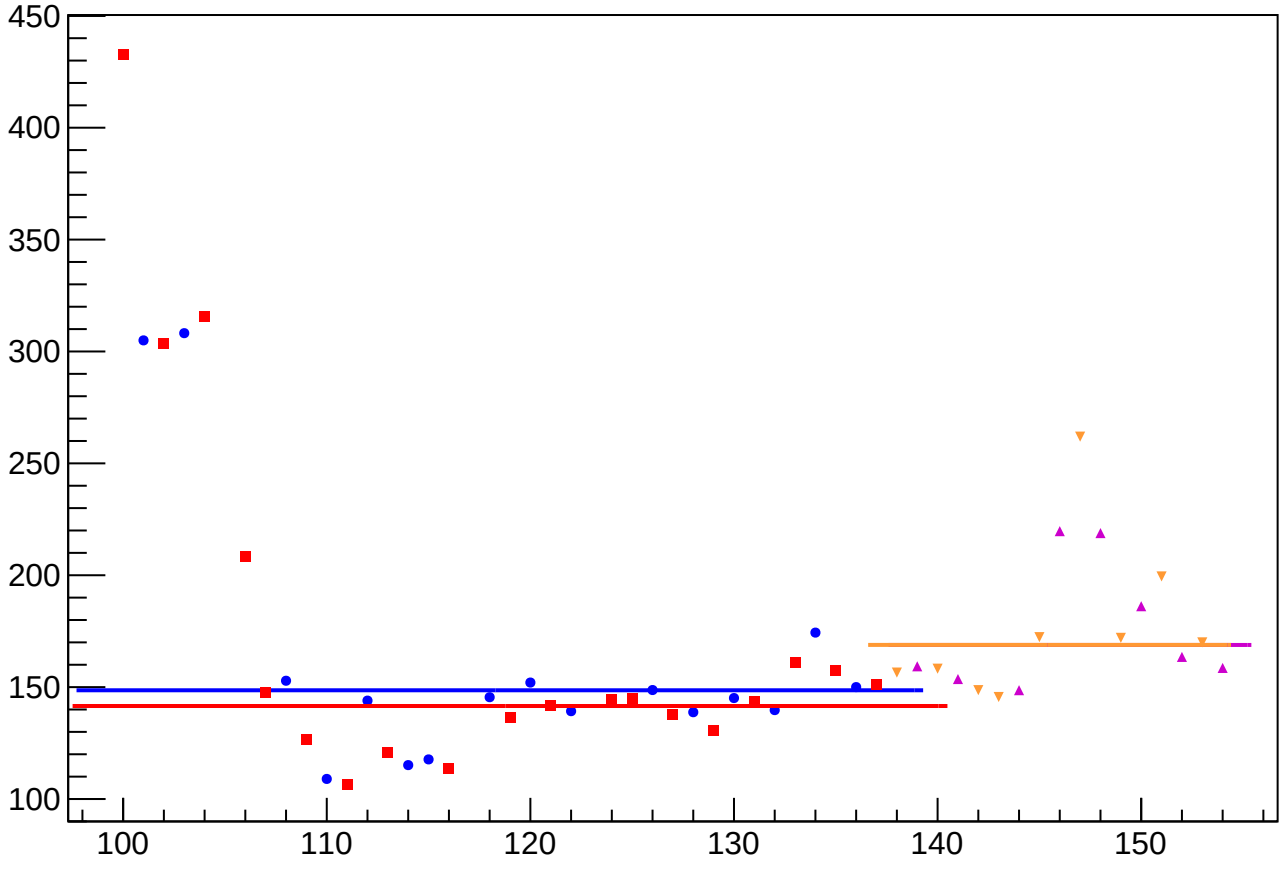
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 124415.165+/-0.044 χ^2/NDF:8313277120.9/23

Out: 124710.671+/-0.042 χ^2/NDF:9158469288.3/2

All: 124567.860+/-0.030 χ^2/NDF: 17495090

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: 168.845+/-0.046 χ^2/NDF:255363.6/7

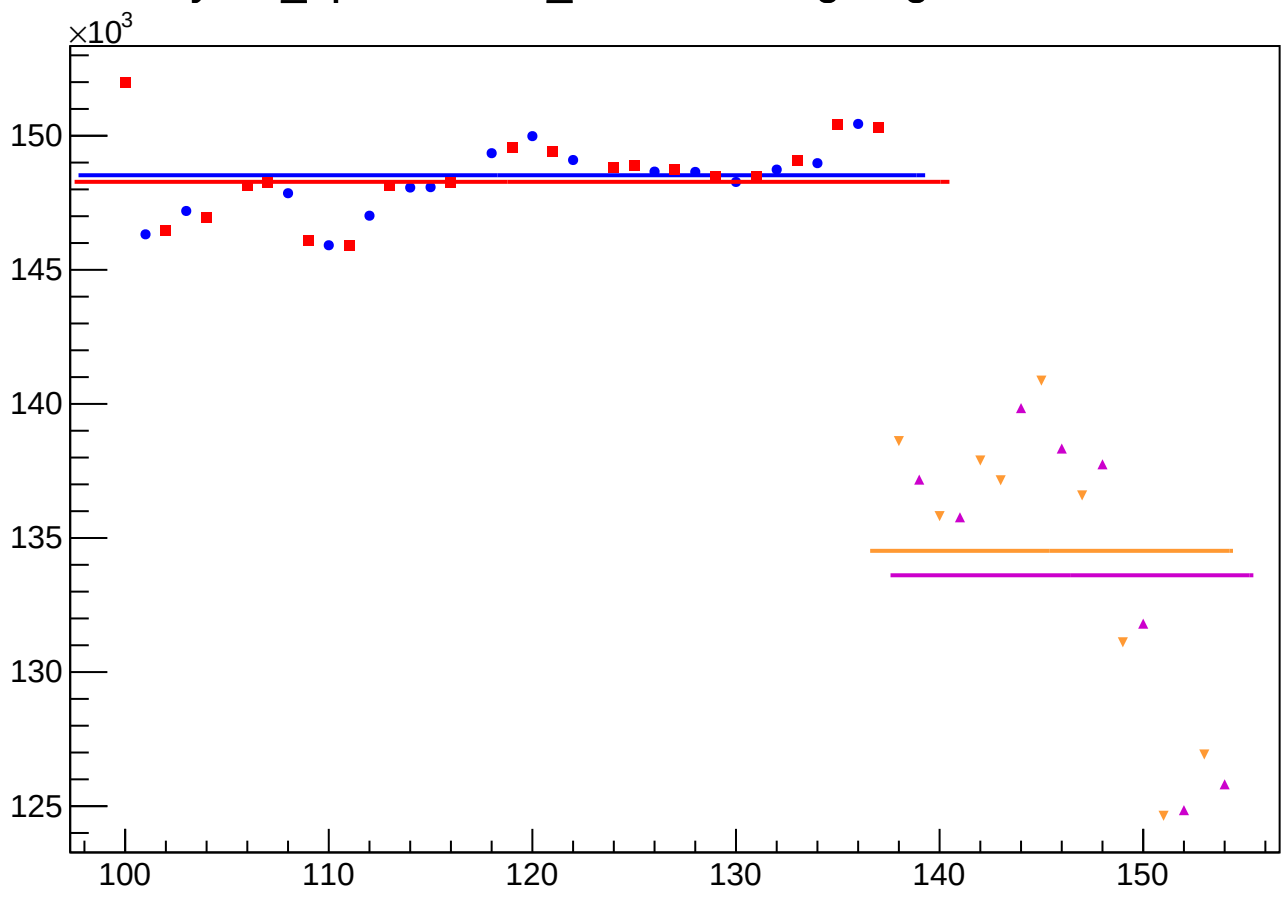
Left: 168.857+/-0.033 χ^2/NDF: 572086.4/16

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 157.576+/-0.031 χ^2/NDF:1189686.7/23

Out: 152.787+/-0.030 χ^2/NDF:1521215.8/27

All: 155.101+/-0.021 χ^2/NDF: 2723383.6/51



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: 133609.696+/-0.098 χ^2/NDF:3051626406.3/7

Left: 134066.760+/-0.069 χ^2/NDF: 5630456633.6/1

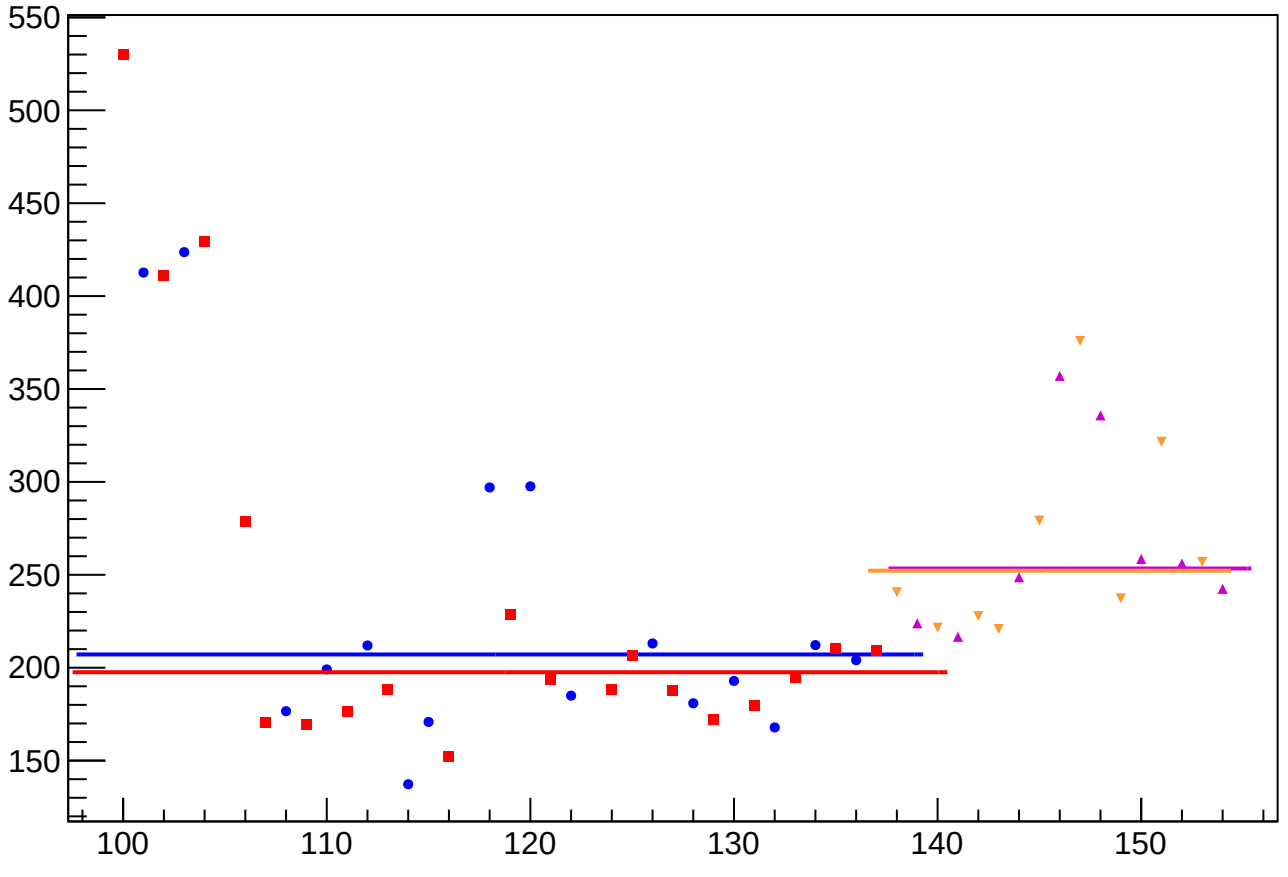
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 142383.151+/-0.063 χ^2/NDF:16913095216.2/2

Out: 143039.255+/-0.060 χ^2/NDF:15123711178.4

All: 142724.883+/-0.043 χ^2/NDF: 32093587

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: 253.398+/-0.069 χ^2/NDF:328645.5/7

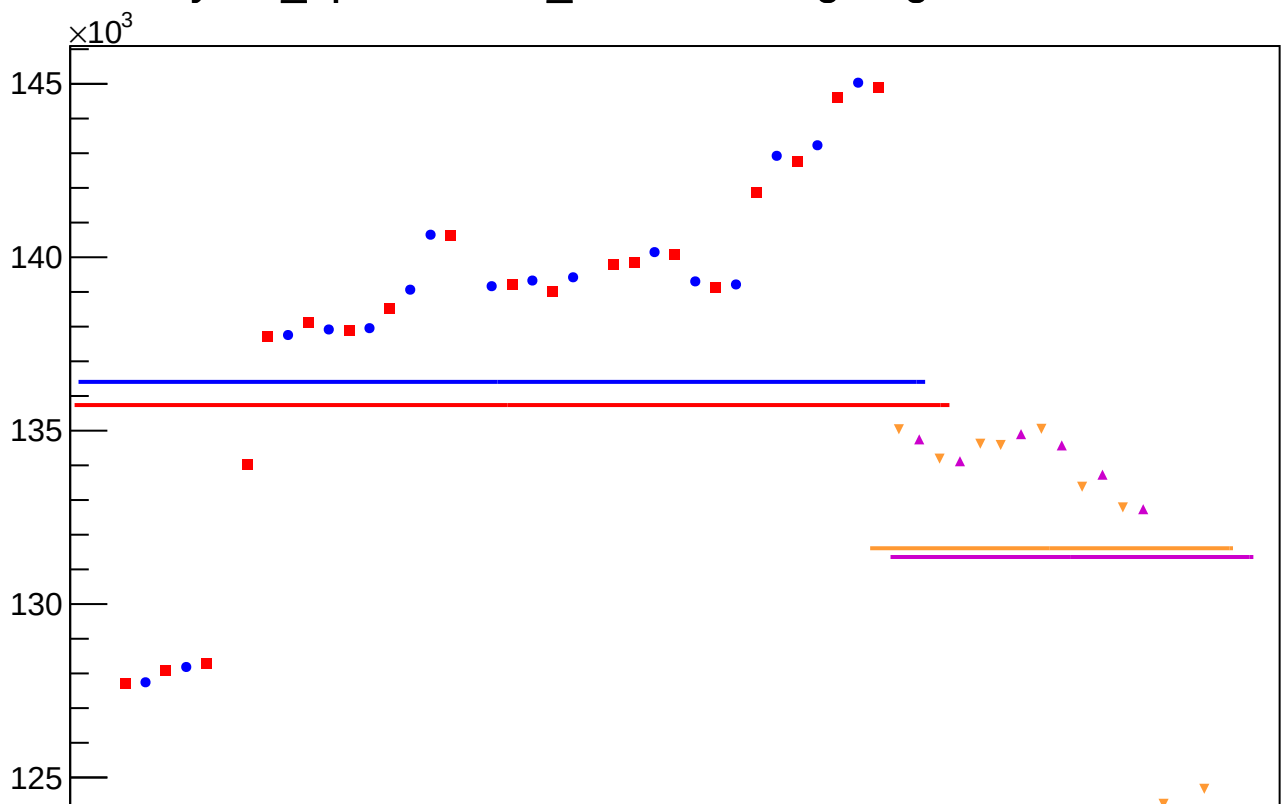
Left: 252.796+/-0.049 χ^2/NDF: 678991.4/16

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 226.190+/-0.044 χ^2/NDF:1563455.1/23

Out: 218.384+/-0.043 χ^2/NDF:1641670.9/27

All: 222.124+/-0.031 χ^2/NDF: 3221203.0/51



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: 131357.299+/-0.224 χ^2/NDF:423961104.1/7

Left: 131493.087+/-0.152 χ^2/NDF: 904845622.4/16

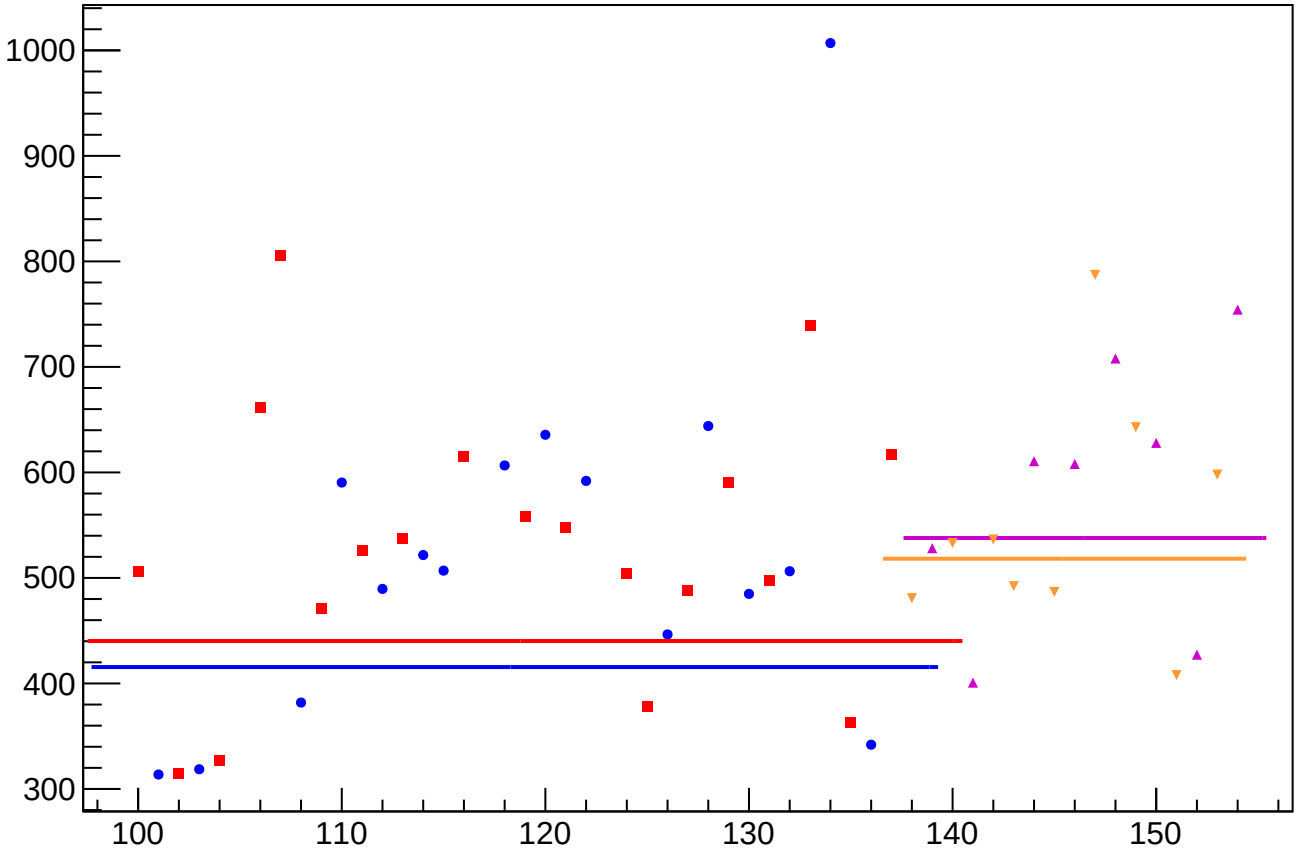
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 134581.531+/-0.135 χ^2/NDF:2325389630.5/23

Out: 134002.583+/-0.135 χ^2/NDF:1883945854.6/2

All: 134291.623+/-0.095 χ^2/NDF: 42185854

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: 537.836+/-0.158 χ^2/NDF:543861.6/7

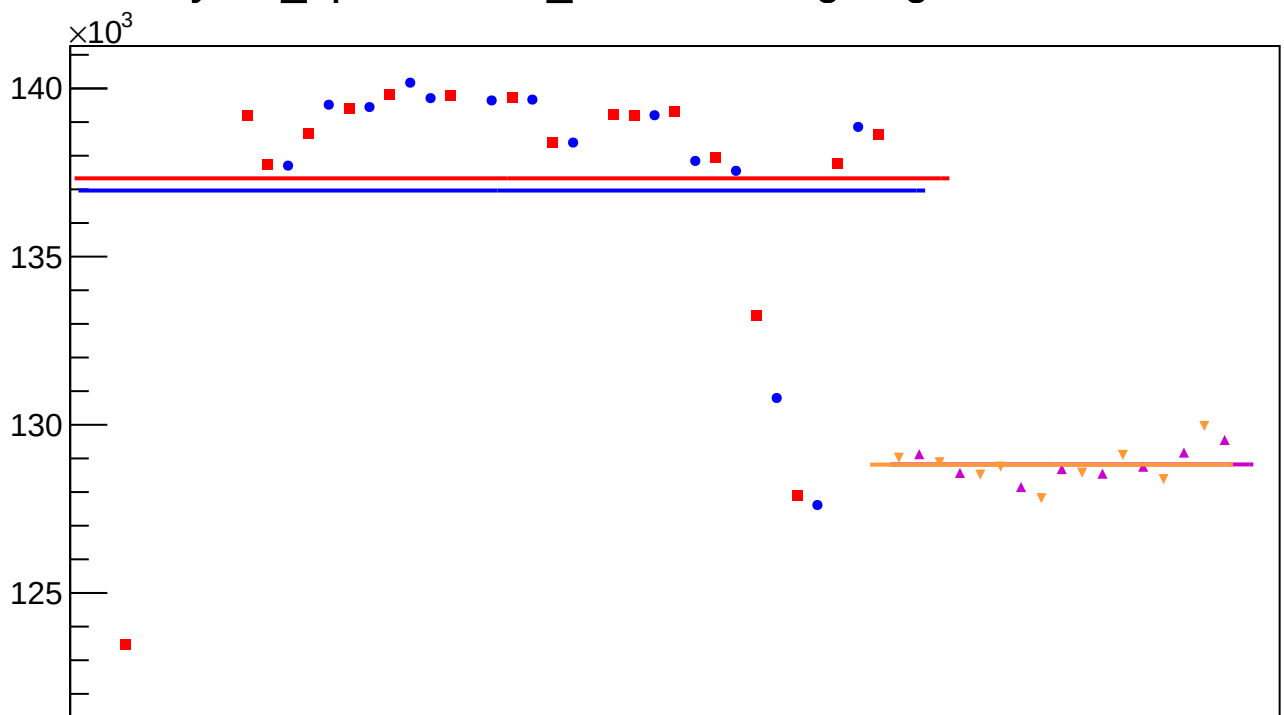
Left: 527.282+/-0.108 χ^2/NDF: 938264.3/16

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 459.754+/-0.095 χ^2/NDF:1955924.1/23

Out: 473.016+/-0.095 χ^2/NDF:1460904.7/27

All: 466.395+/-0.067 χ^2/NDF: 3426536.6/51



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: 128821.625+/-0.071 χ^2/NDF:38530692.4/7

Left: 128819.077+/-0.050 χ^2/NDF: 101289187.3/16

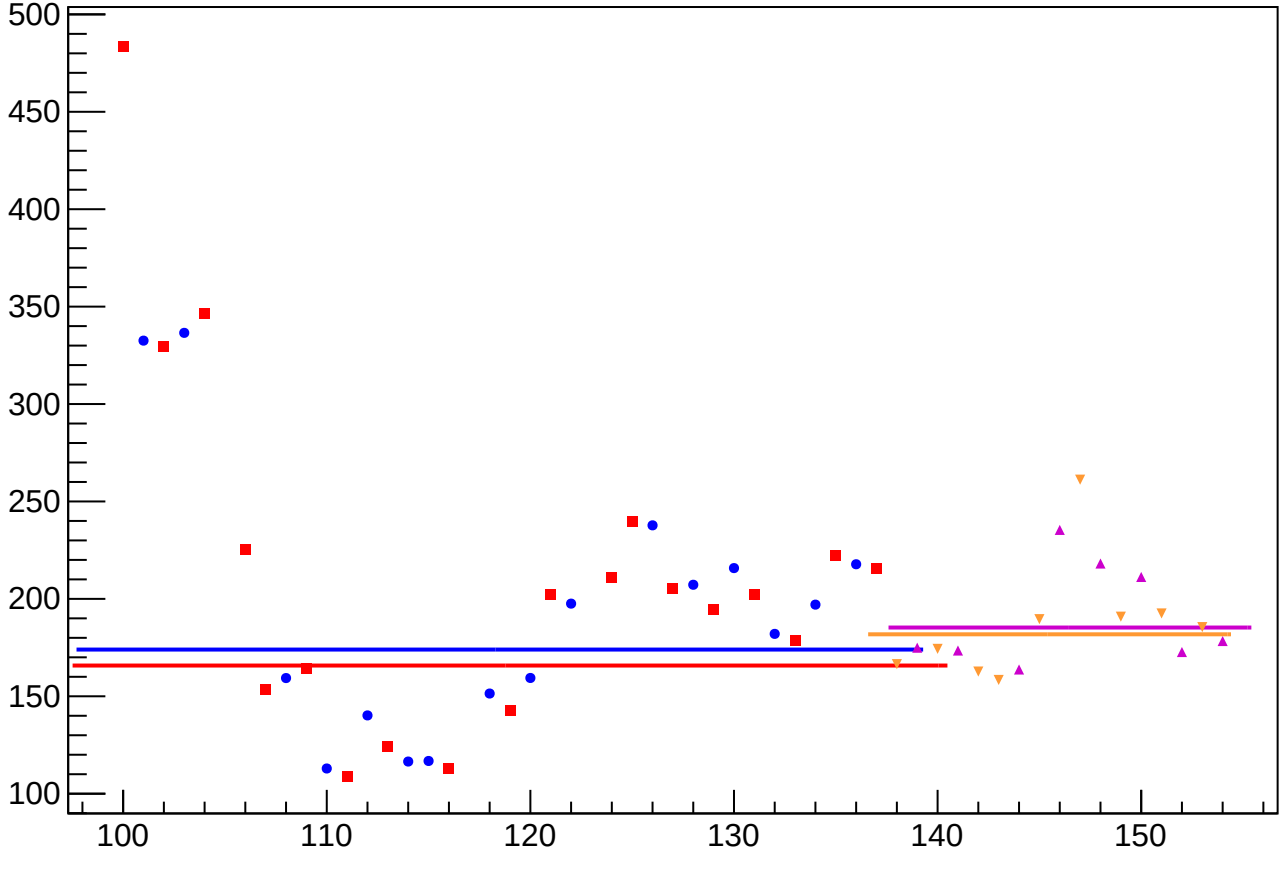
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 132983.678+/-0.050 χ^2/NDF:12514657691.9/2

Out: 133348.668+/-0.048 χ^2/NDF:13662678363.0

All: 133173.482+/-0.035 χ^2/NDF: 26205214

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: 185.286+/-0.050 χ^2/NDF:199022.3/7

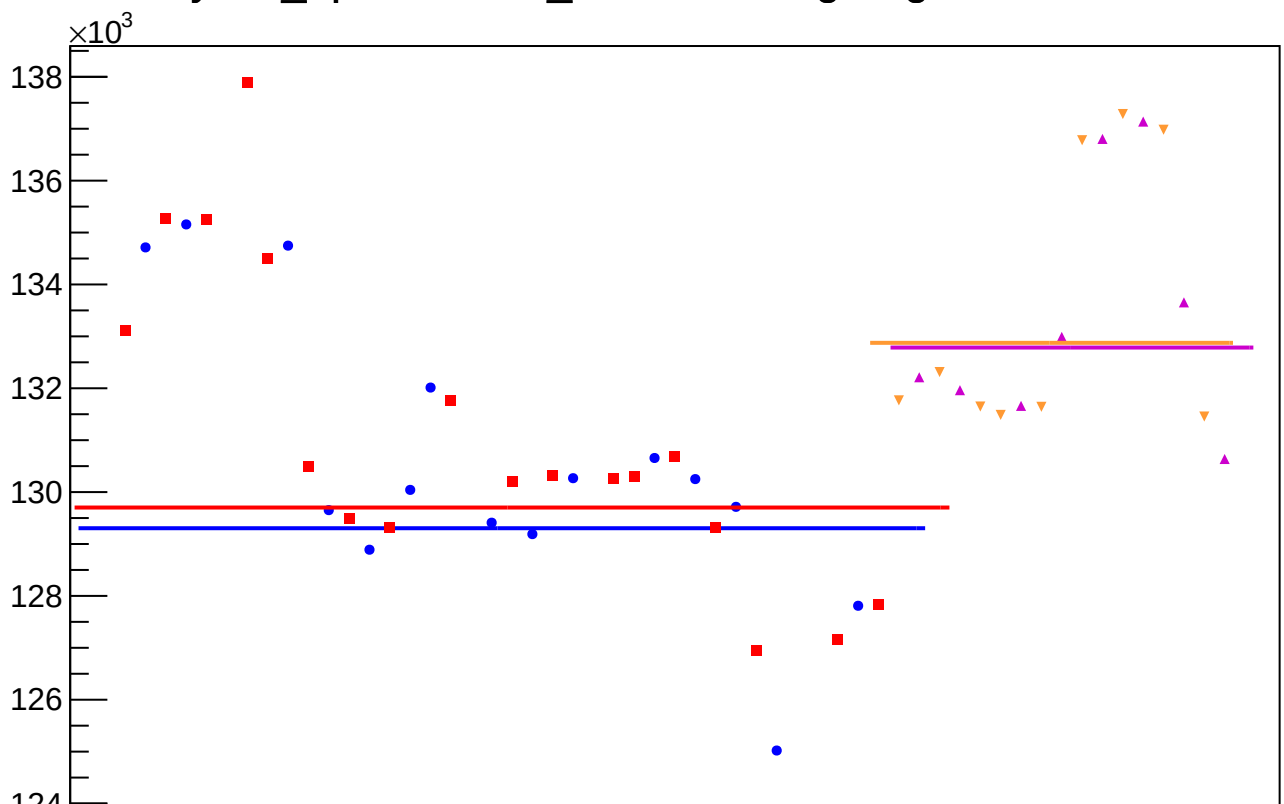
Left: 183.518+/-0.035 χ^2/NDF: 426900.2/16

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 179.508+/-0.035 χ^2/NDF:1413215.6/23

Out: 173.275+/-0.034 χ^2/NDF:1714419.1/27

All: 176.267+/-0.024 χ^2/NDF: 3143896.3/51



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: 132784.398+/-0.073 χ^2/NDF:702175062.0/7

Left: 132830.492+/-0.051 χ^2/NDF: 1654310030.4/1

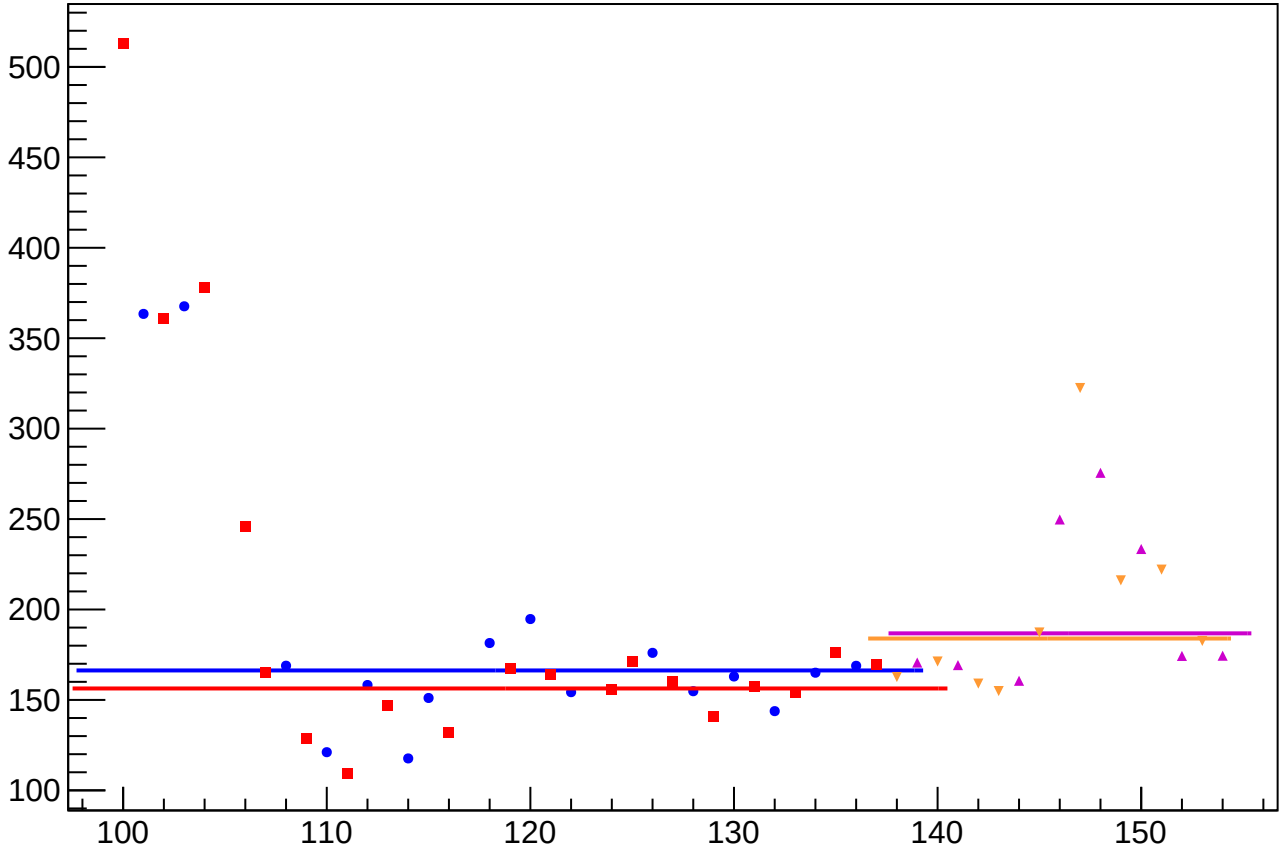
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130882.833+/-0.049 χ^2/NDF:3606355095.3/23

Out: 131045.331+/-0.047 χ^2/NDF:3853975588.4/2

All: 130967.803+/-0.034 χ^2/NDF: 74660972

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: 186.812+/-0.051 χ^2/NDF:446730.8/7

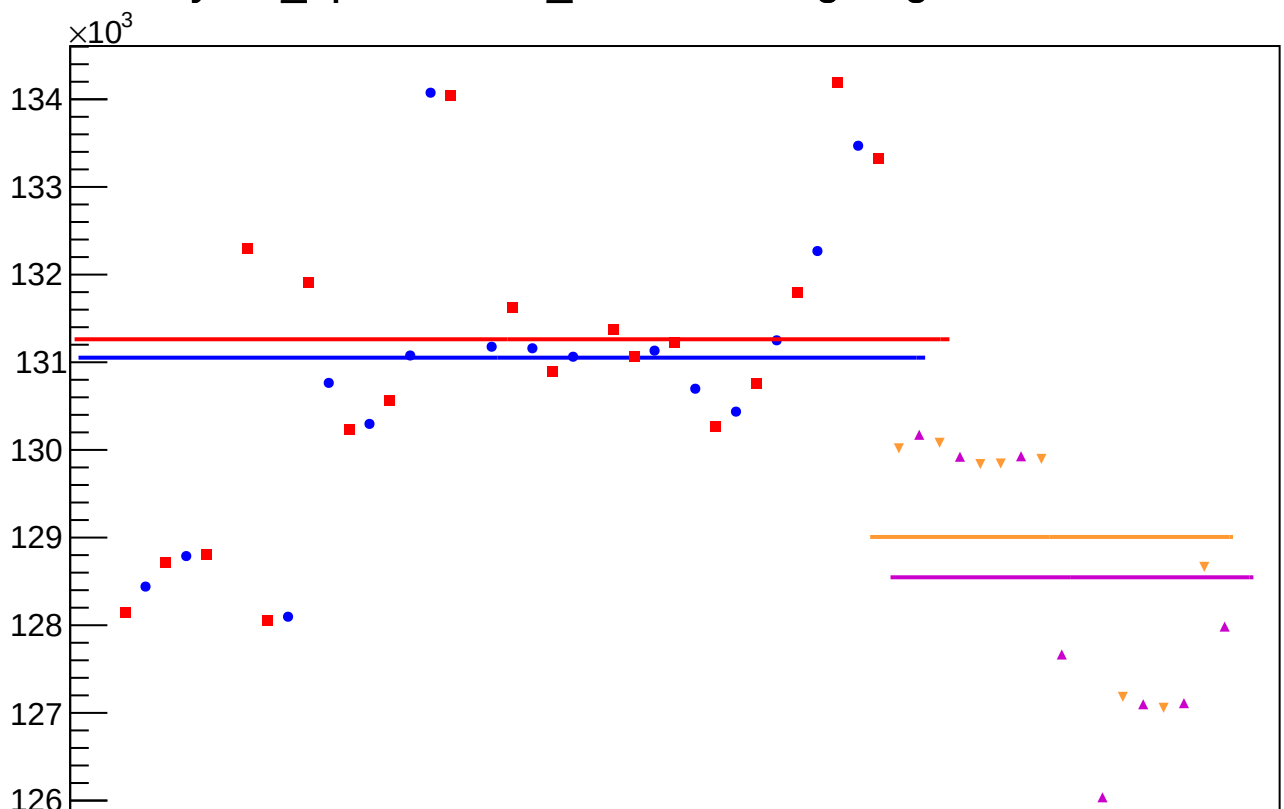
Left: 185.368+/-0.036 χ^2/NDF: 944599.1/16

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 175.607+/-0.035 χ^2/NDF:1471762.2/23

Out: 168.023+/-0.033 χ^2/NDF:1839621.9/27

All: 171.641+/-0.024 χ^2/NDF: 3336504.6/51



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: 128546.999+/-0.069 χ^2/NDF:443162906.5/7

Left: 128781.551+/-0.048 χ^2/NDF: 867184112.3/16

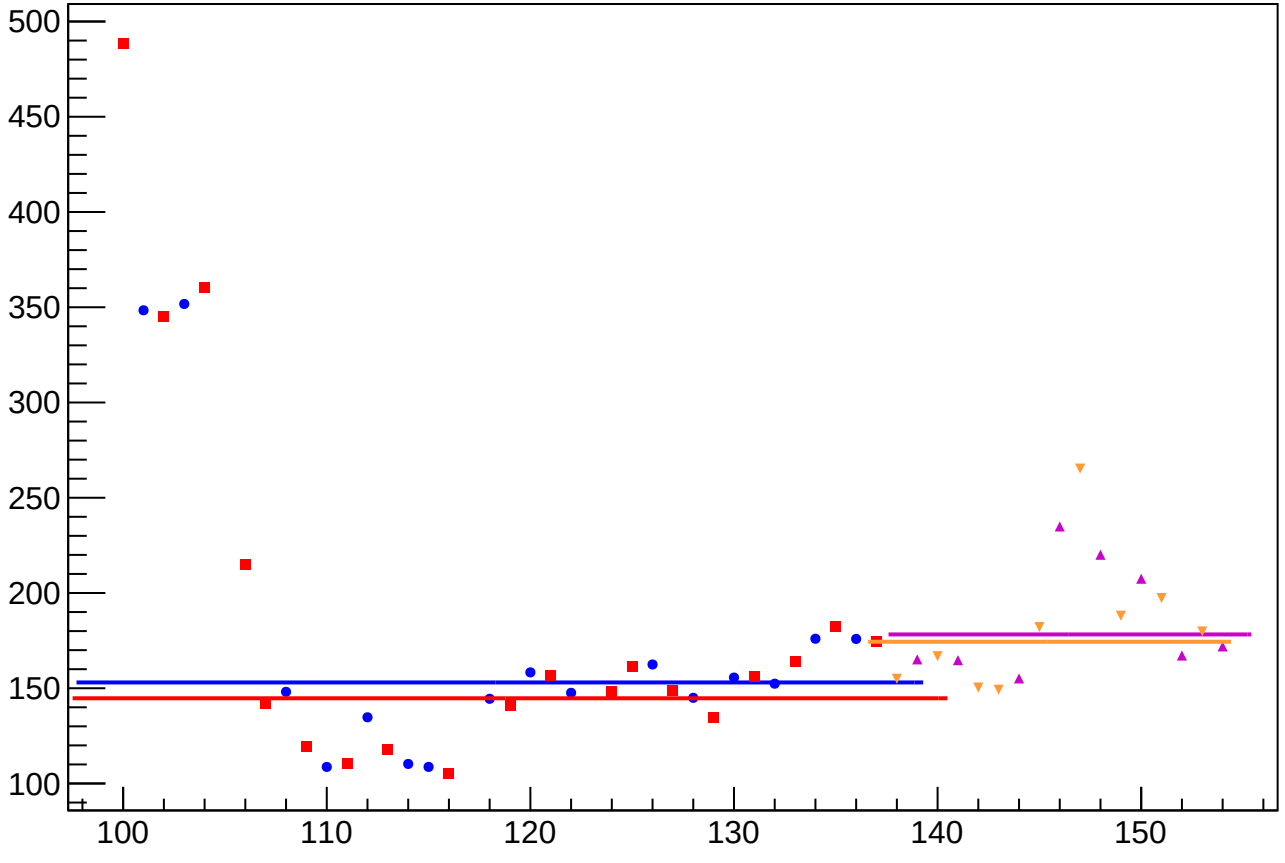
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129956.029+/-0.045 χ^2/NDF:1713880896.2/23

Out: 130328.705+/-0.043 χ^2/NDF:1661112526.0/2

All: 130151.161+/-0.031 χ^2/NDF: 341015726

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: 178.246+/-0.049 χ^2/NDF:266536.5/7

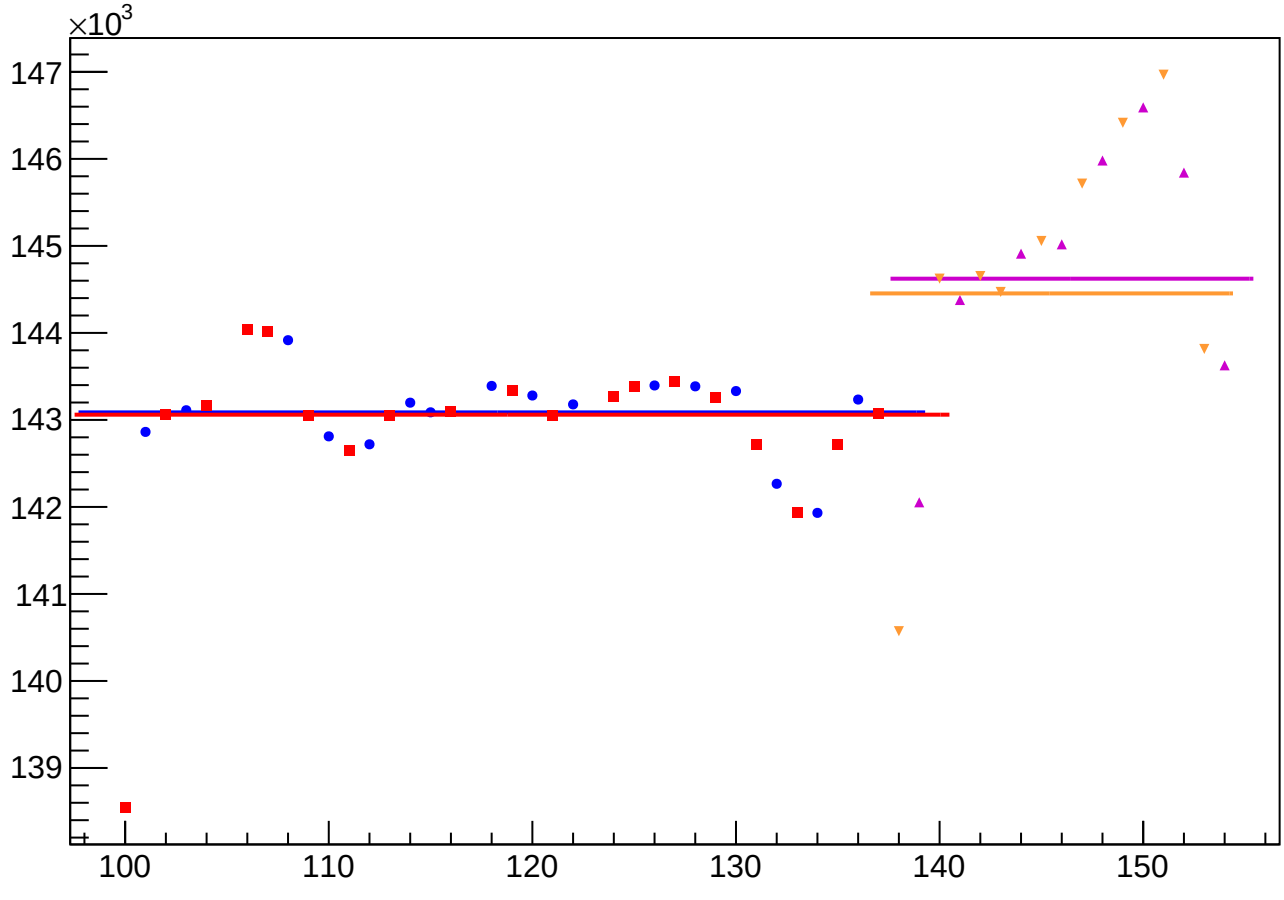
Left: 176.289+/-0.034 χ^2/NDF: 591371.8/16

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 164.072+/-0.032 χ^2/NDF:1477187.3/23

Out: 157.016+/-0.031 χ^2/NDF:1812172.3/27

All: 160.377+/-0.022 χ^2/NDF: 3314569.8/51



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144453.844+/-0.079 χ^2/NDF:548026232.2/8

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144623.119+/-0.080 χ^2/NDF:300498571.0/7

Left: 144537.822+/-0.056 χ^2/NDF: 850798840.1/16

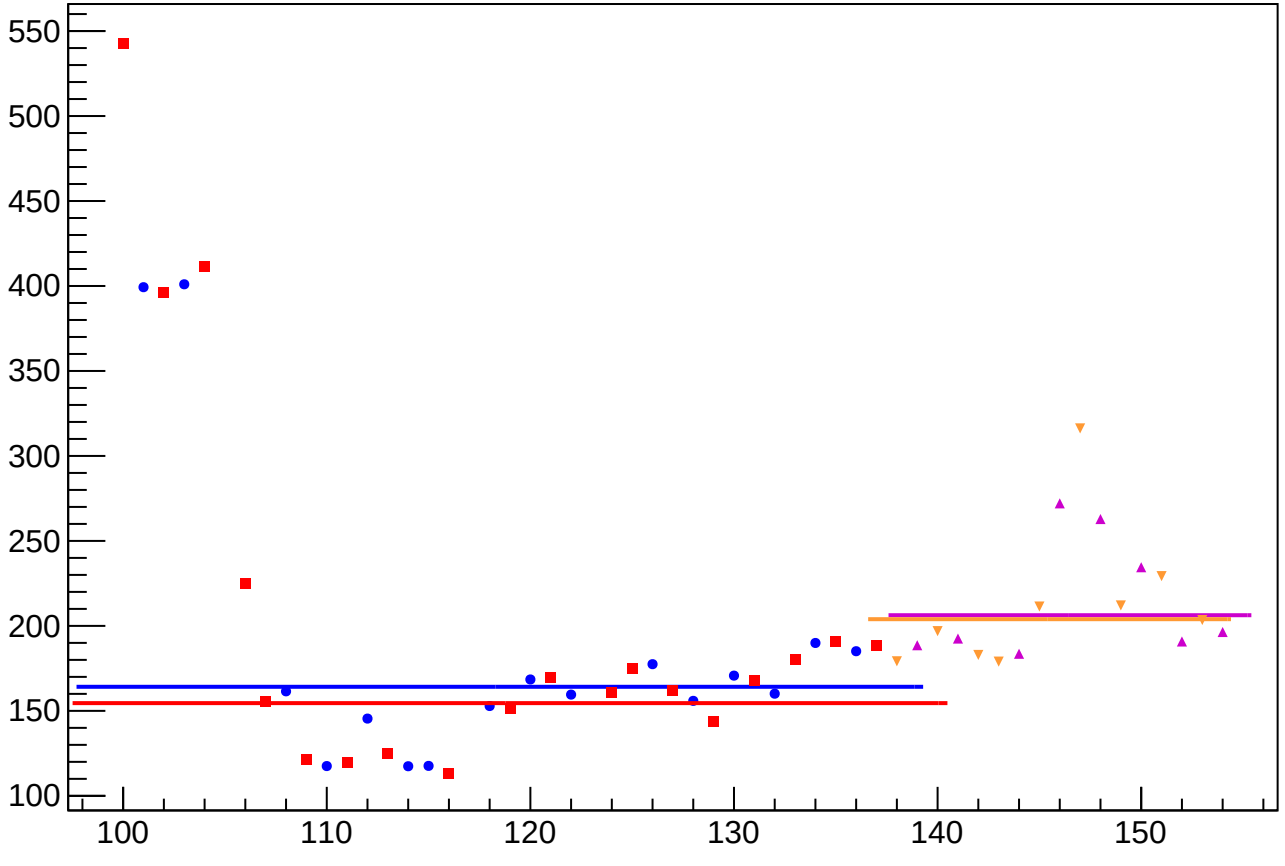
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143701.391+/-0.050 χ^2/NDF:570298155.9/23

Out: 143576.579+/-0.048 χ^2/NDF:795312267.9/27

All: 143636.096+/-0.035 χ^2/NDF: 13688179

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: 206.280+/-0.056 χ^2/NDF:268491.3/7

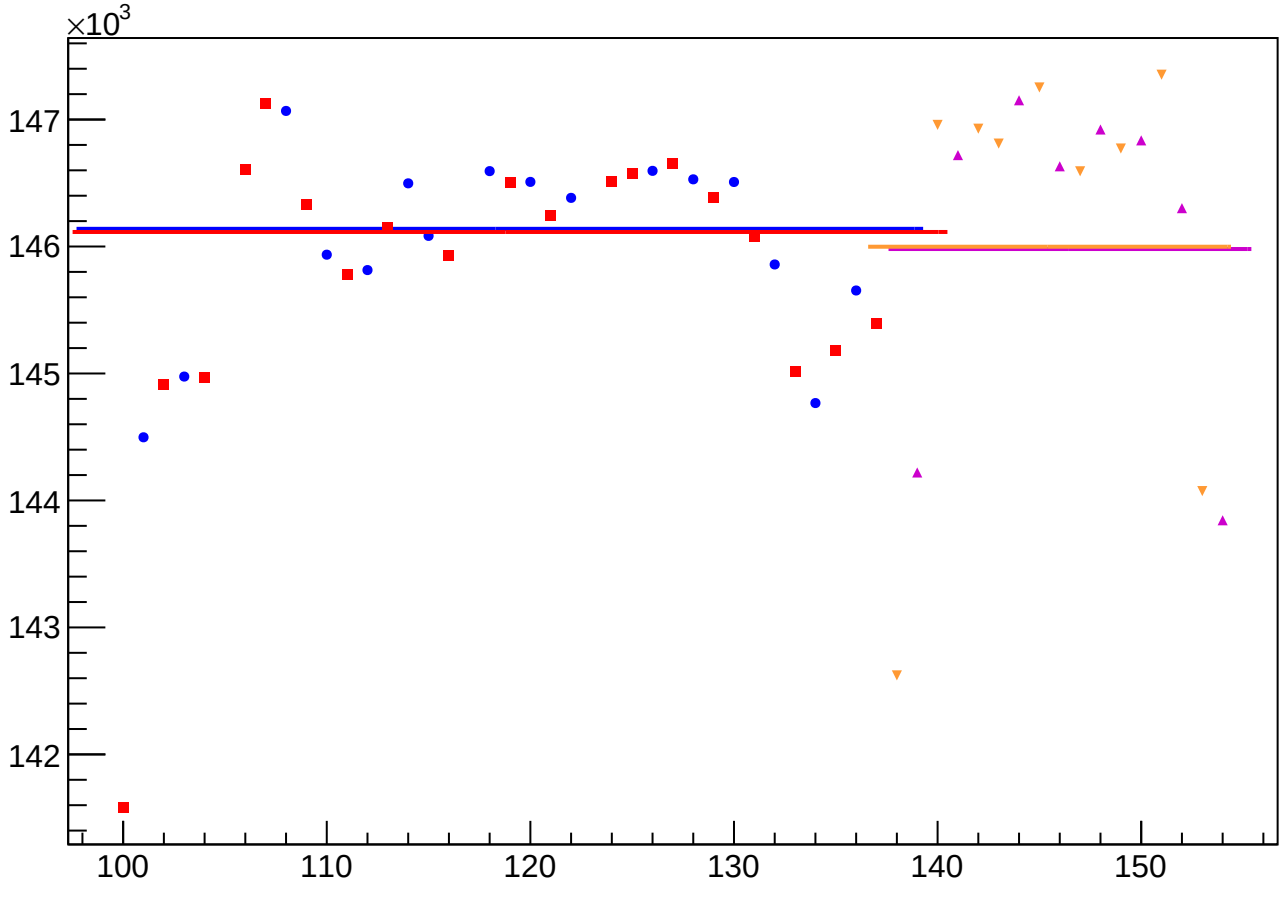
Left: 205.104+/-0.040 χ^2/NDF: 572710.8/16

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 181.019+/-0.036 χ^2/NDF:1733360.6/23

Out: 172.856+/-0.034 χ^2/NDF:2161438.4/27

All: 176.748+/-0.025 χ^2/NDF: 3922242.3/51



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145998.292+/-0.078 χ^2/NDF:459101186.9/8

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145980.212+/-0.079 χ^2/NDF:256448181.9/7

Left: 145989.389+/-0.055 χ^2/NDF: 715575895.4/16

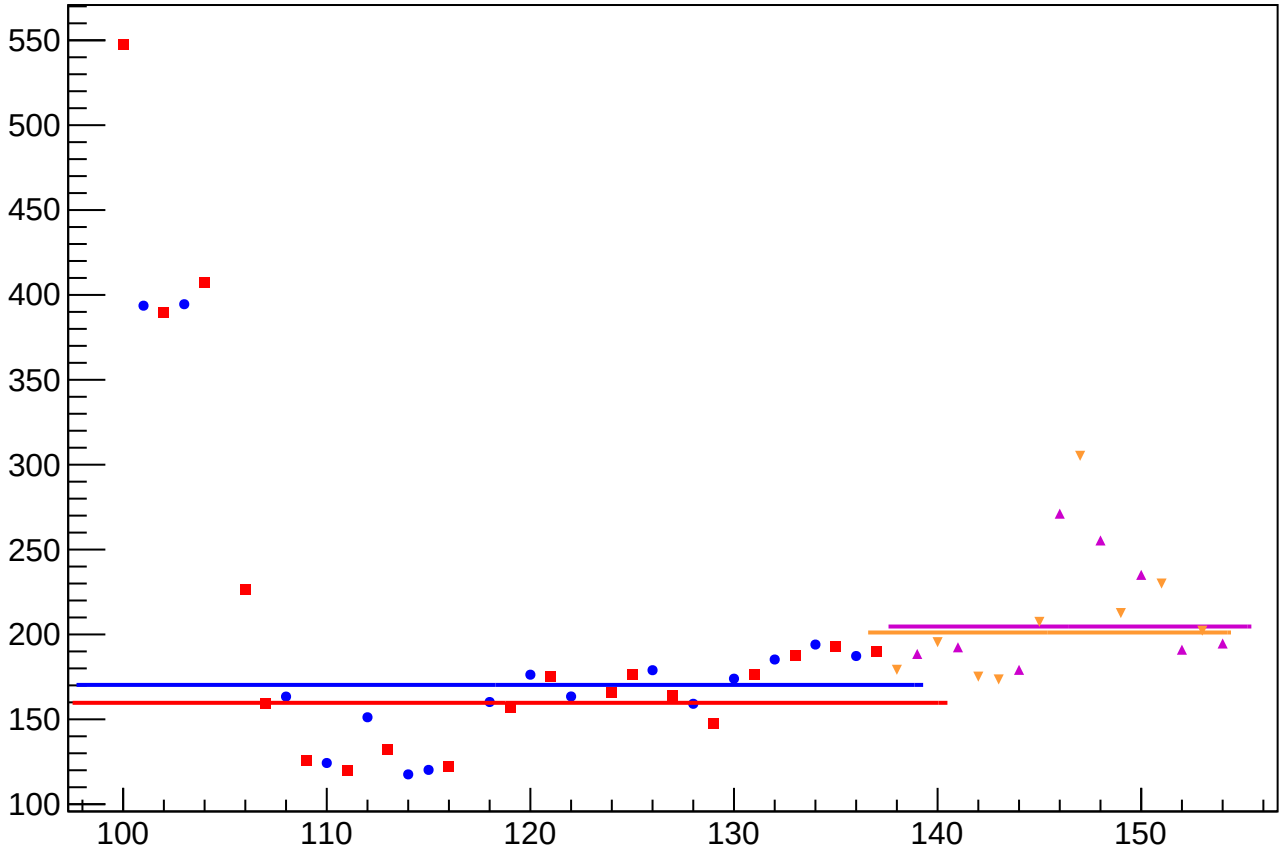
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146072.339+/-0.051 χ^2/NDF:330512449.3/23

Out: 146068.980+/-0.049 χ^2/NDF:533556588.9/27

All: 146070.574+/-0.035 χ^2/NDF: 864071292

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: 204.668+/-0.056 χ^2/NDF:265806.0/7

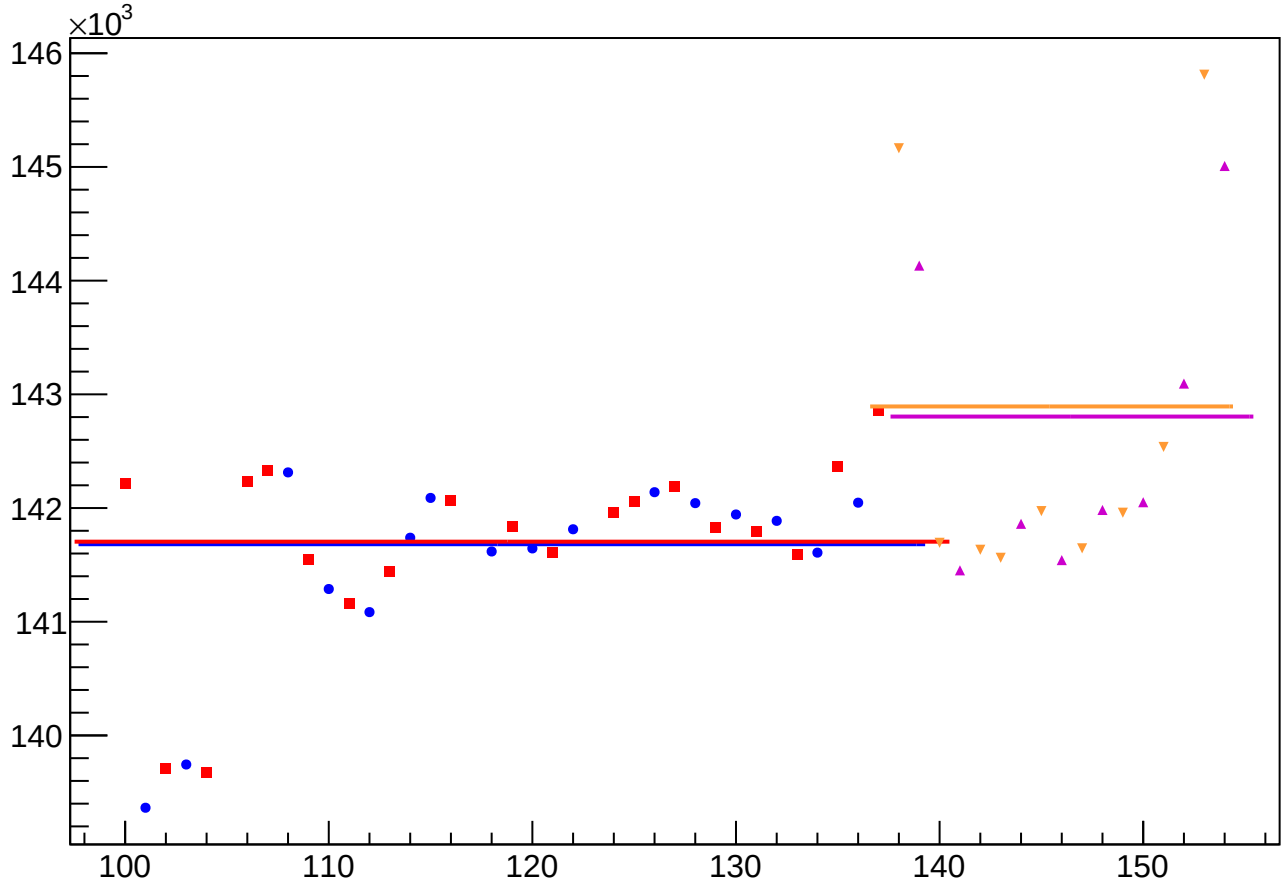
Left: 202.882+/-0.039 χ^2/NDF: 573058.6/16

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

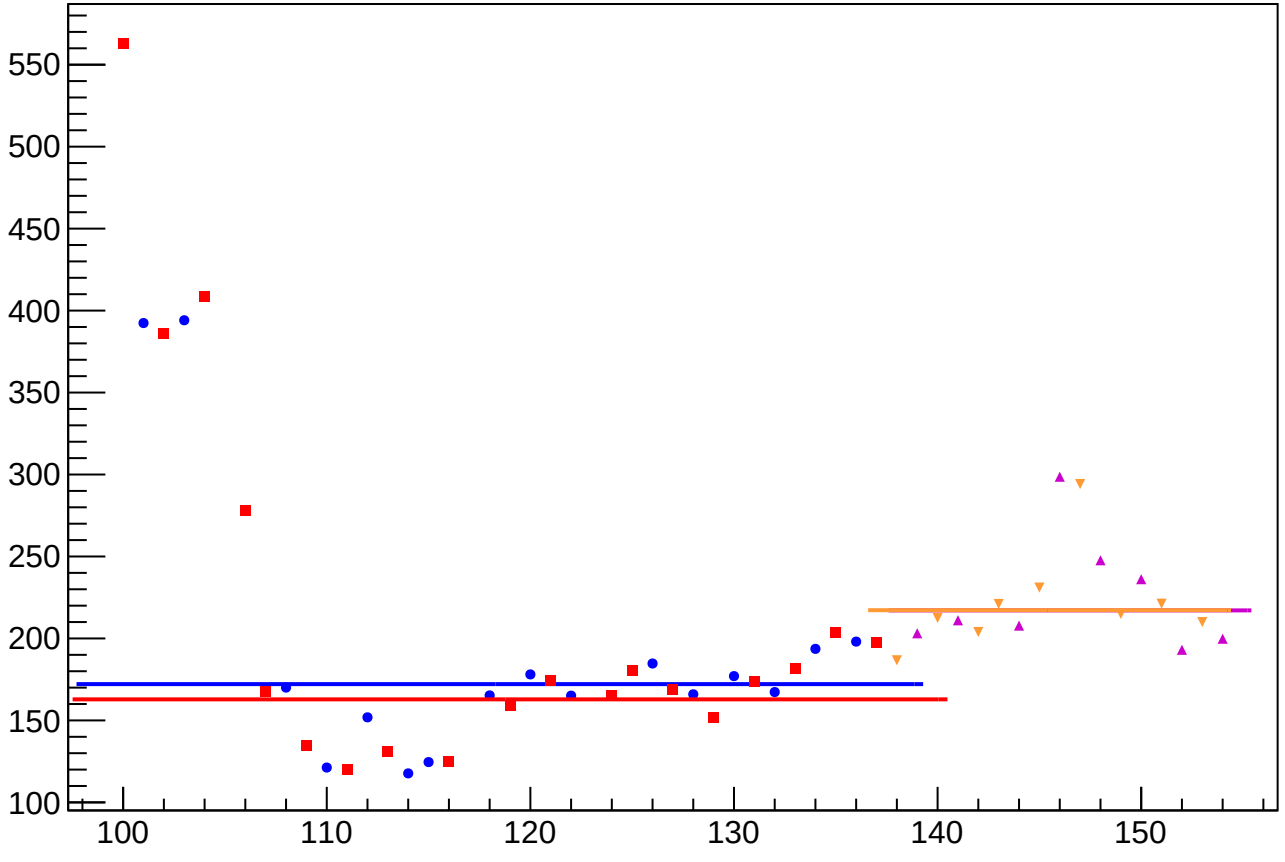
In: 184.746+/-0.036 χ^2/NDF:1542526.9/23

Out: 175.941+/-0.034 χ^2/NDF:1940716.2/27

All: 180.119+/-0.025 χ^2/NDF: 3514208.8/51


yield_bpm0l09WS_mean vs Slug, Sign Corrected
×10^3
146
145
144
143
142
141
140
100
110
120
130
140
150
Right In: 141681.846+/-0.068 χ²/NDF: 64292997.9/15
Left Out: 142893.470+/-0.083 χ²/NDF:385944219.3/8
Right Out: 141704.185+/-0.064 χ²/NDF: 65526811.0/18
Left In: 142804.557+/-0.084 χ²/NDF:228310166.8/7
Left: 142849.172+/-0.059 χ²/NDF: 614819760.6/16
Right: 141693.772+/-0.047 χ²/NDF: 129876966.3/3
In: 142129.962+/-0.053 χ²/NDF:400547589.4/23
Out: 142142.743+/-0.051 χ²/NDF:579632926.8/27
All: 142136.628+/-0.037 χ²/NDF: 98021940

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: 217.116+/-0.059 χ^2/NDF:217012.5/7

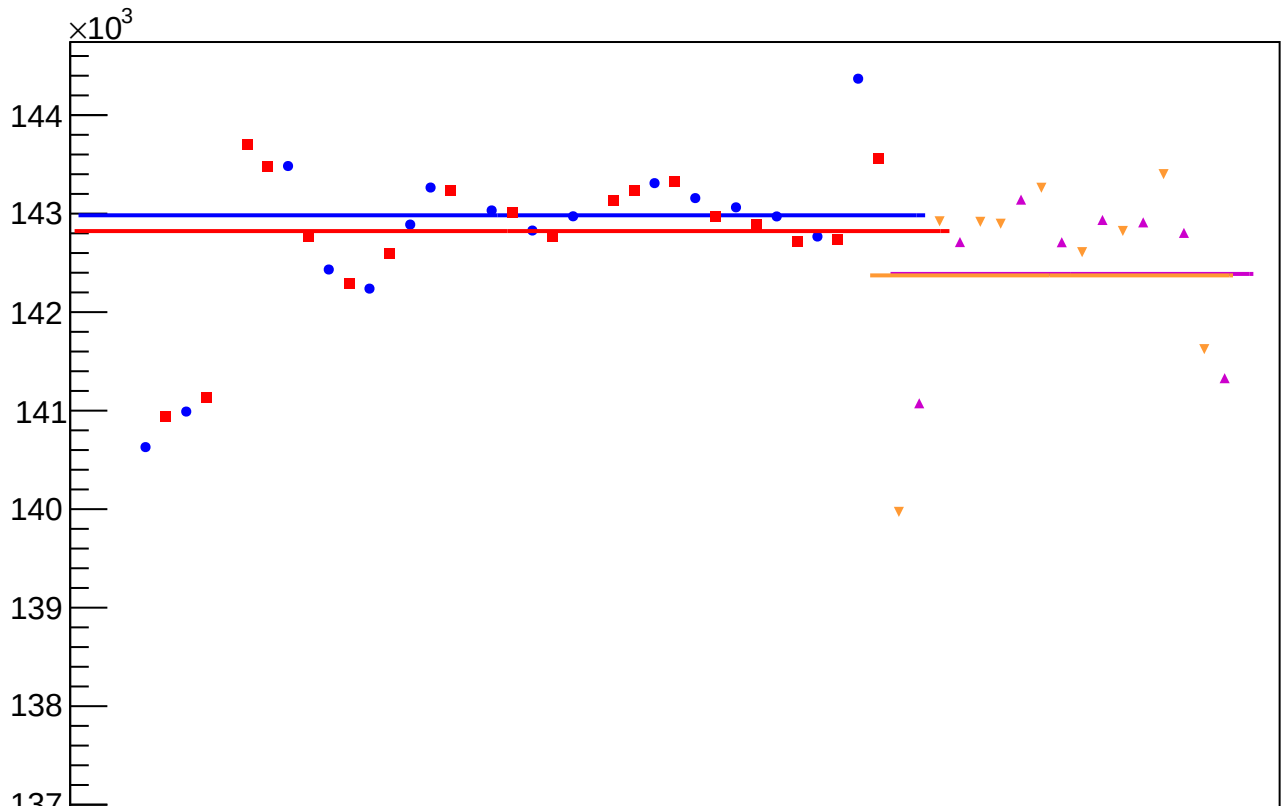
Left: 217.175+/-0.042 χ^2/NDF: 383391.3/16

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 190.091+/-0.037 χ^2/NDF:1632077.1/23

Out: 182.901+/-0.036 χ^2/NDF:2008333.3/27

All: 186.341+/-0.026 χ^2/NDF: 3659664.3/51



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: 142387.777+/-0.077 χ^2/NDF:102412942.7/7

Left: 142380.275+/-0.054 χ^2/NDF: 315394646.1/16

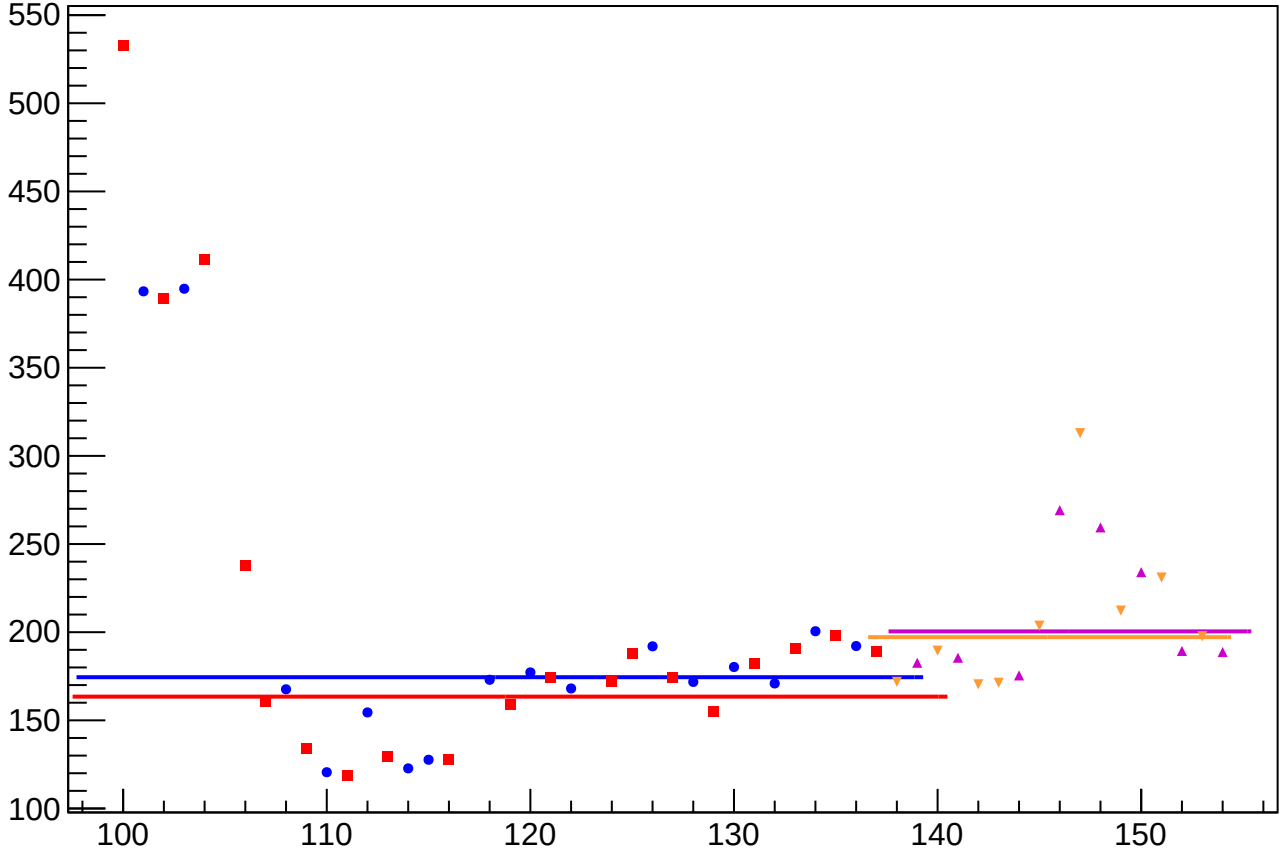
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142719.320+/-0.052 χ^2/NDF:242970358.8/23

Out: 142637.215+/-0.049 χ^2/NDF:296893587.0/27

All: 142676.231+/-0.036 χ^2/NDF: 54119377

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: 200.462+/-0.055 χ^2/NDF:308832.8/7

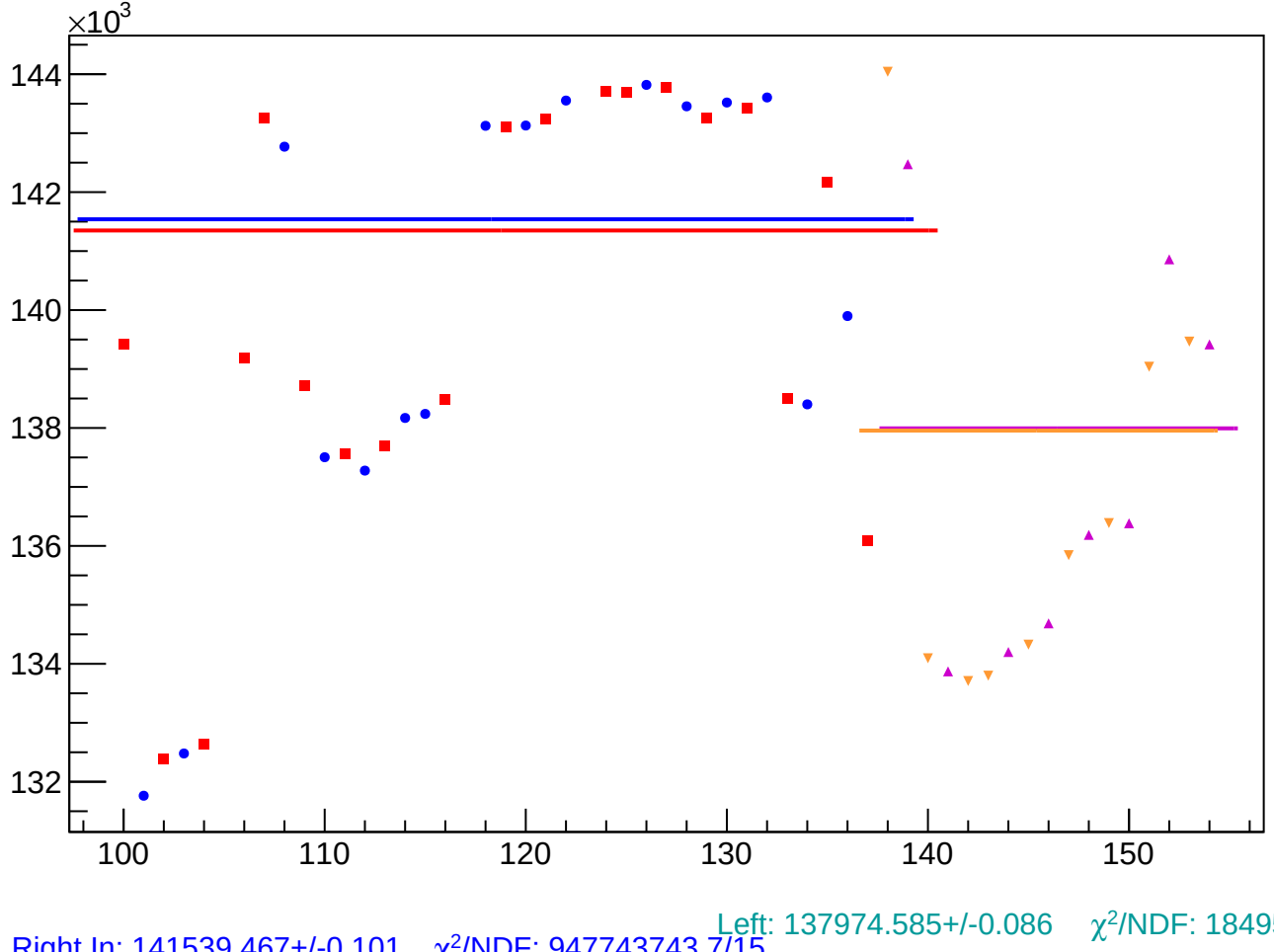
Left: 198.799+/-0.038 χ^2/NDF: 672253.6/16

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 185.983+/-0.036 χ^2/NDF:1483313.7/23

Out: 177.362+/-0.035 χ^2/NDF:1873042.4/27

All: 181.459+/-0.025 χ^2/NDF: 3385676.6/51



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: 137993.524+/-0.122 χ^2/NDF:752584860.2/7

Left: 137974.585+/-0.086 χ^2/NDF: 1849528643.7/1

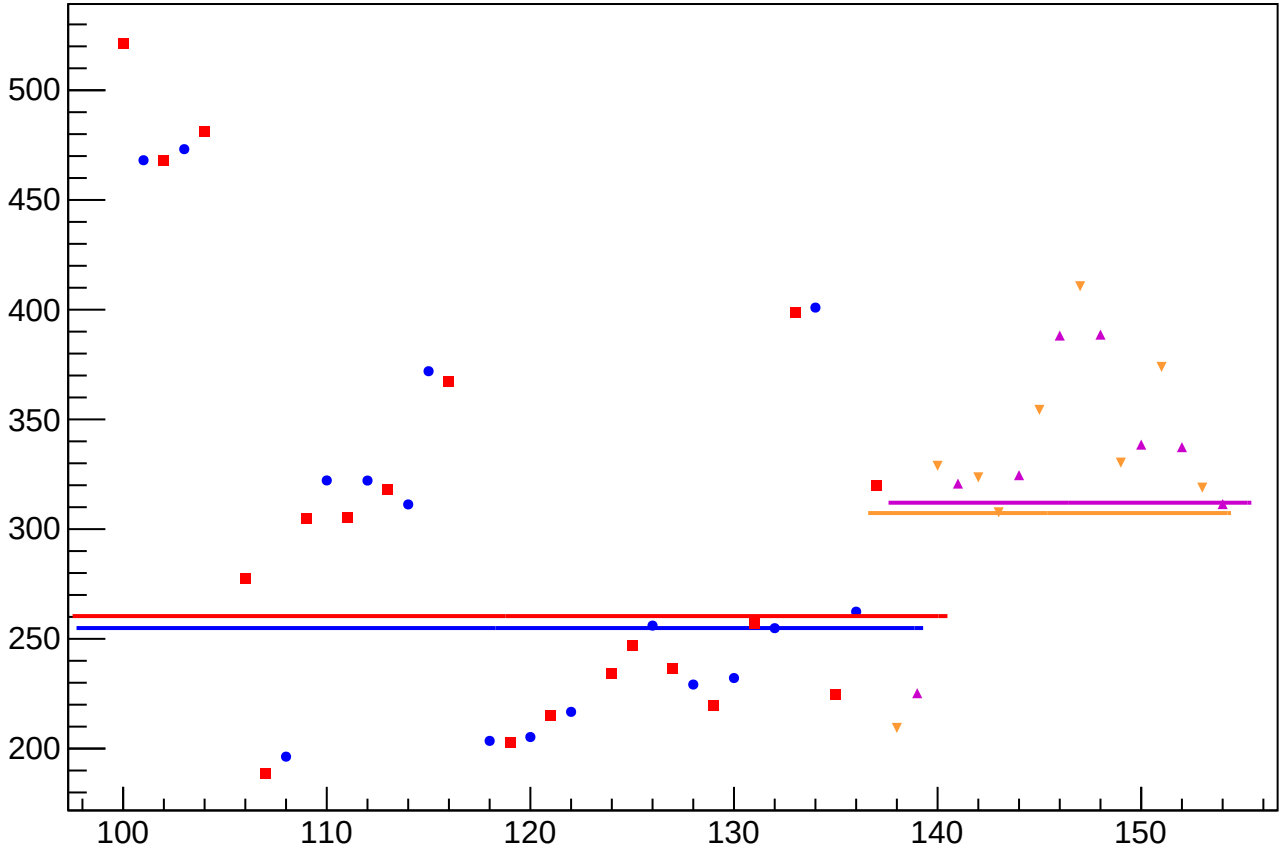
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140101.975+/-0.078 χ^2/NDF:2201890992.6/23

Out: 139949.160+/-0.077 χ^2/NDF:2488878106.9/2

All: 140025.282+/-0.055 χ^2/NDF: 469270853

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: 312.037+/-0.086 χ^2/NDF:390848.8/7

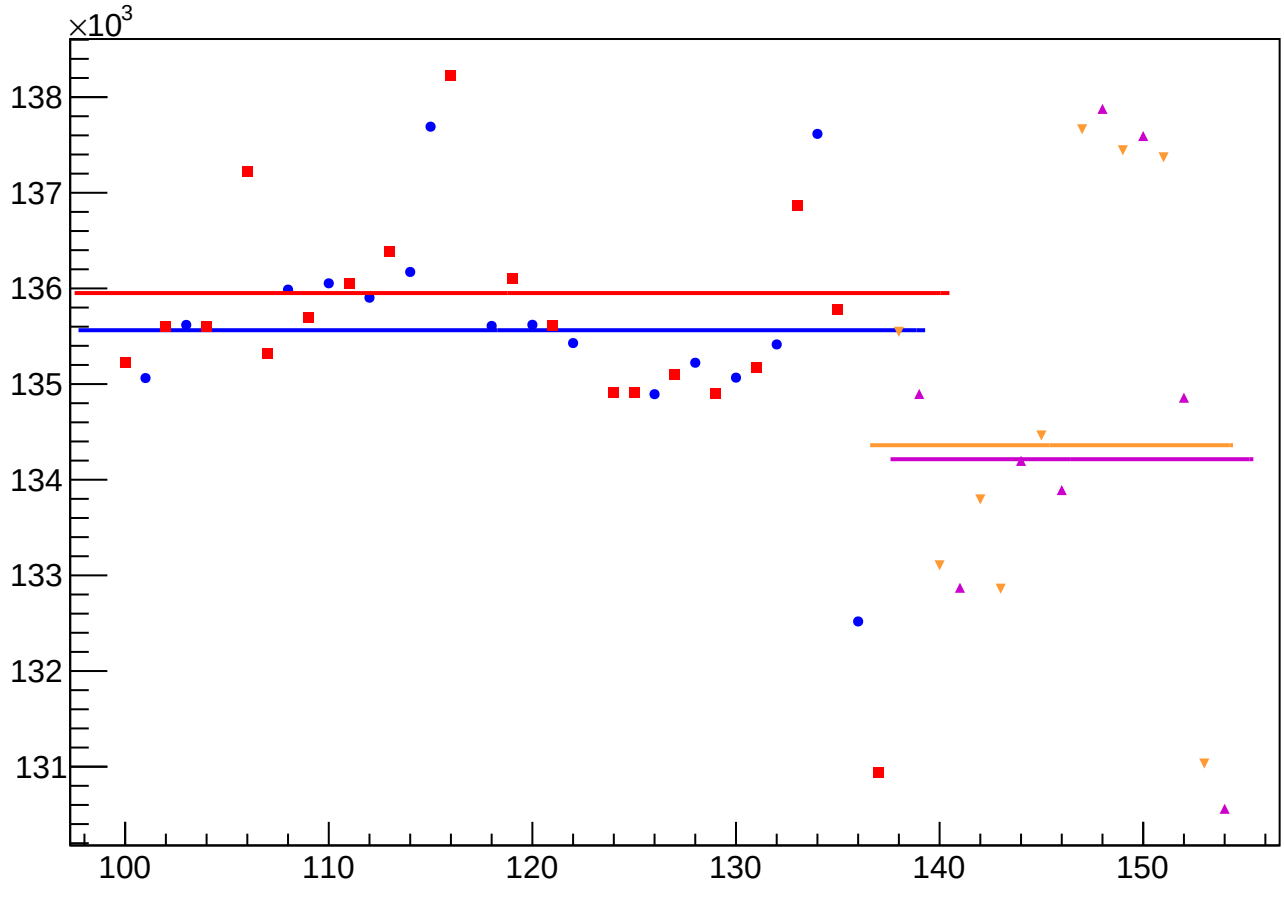
Left: 309.651+/-0.061 χ^2/NDF: 921741.9/16

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 278.074+/-0.055 χ^2/NDF:1601076.4/23

Out: 279.746+/-0.055 χ^2/NDF:1700887.3/27

All: 278.913+/-0.039 χ^2/NDF: 3302428.1/51



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: 134214.501+/-0.096 χ^2/NDF:315917437.0/7

Left: 134292.255+/-0.066 χ^2/NDF: 712971904.2/16

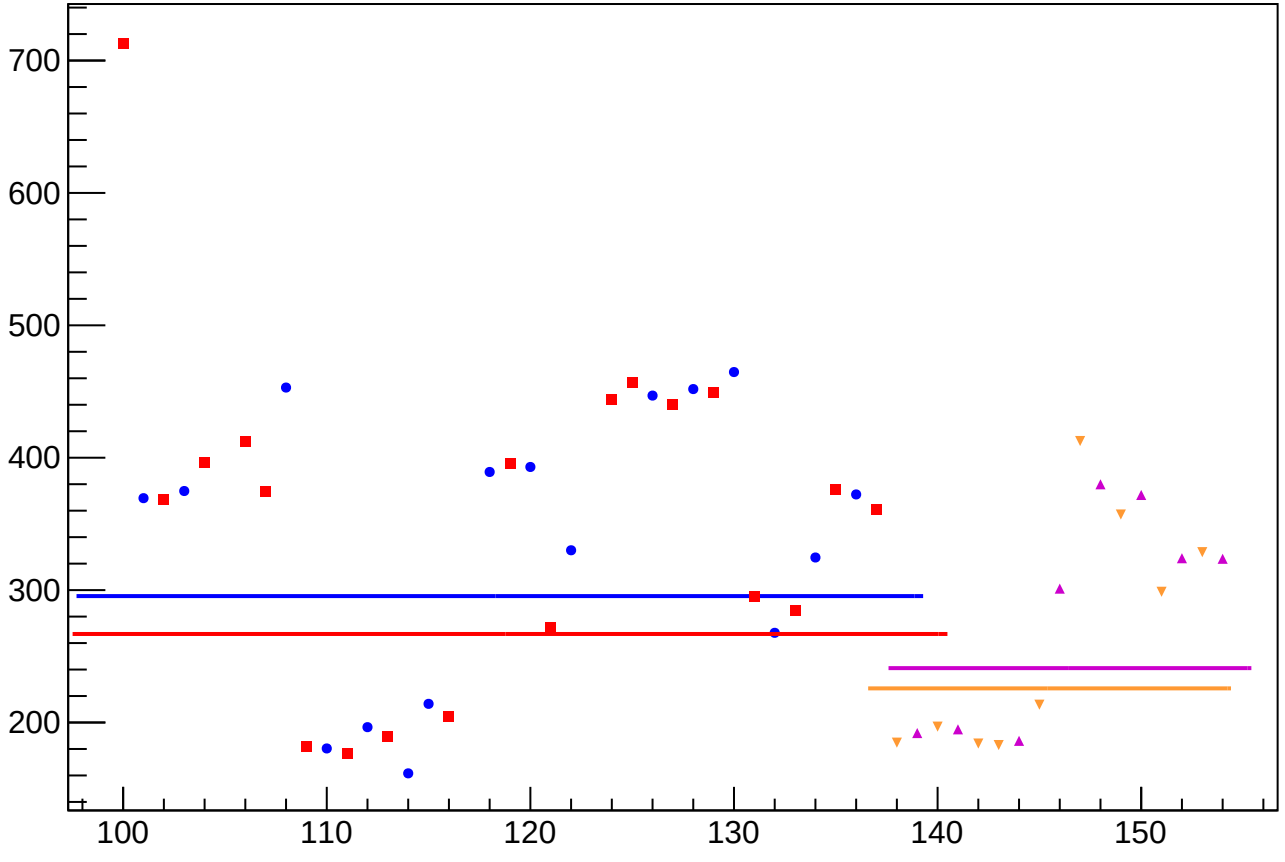
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134752.306+/-0.075 χ^2/NDF:488140825.1/23

Out: 135029.097+/-0.069 χ^2/NDF:617120234.7/27

All: 134901.869+/-0.051 χ^2/NDF: 11126717

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: 241.071+/-0.068 χ^2/NDF:1086075.6/7

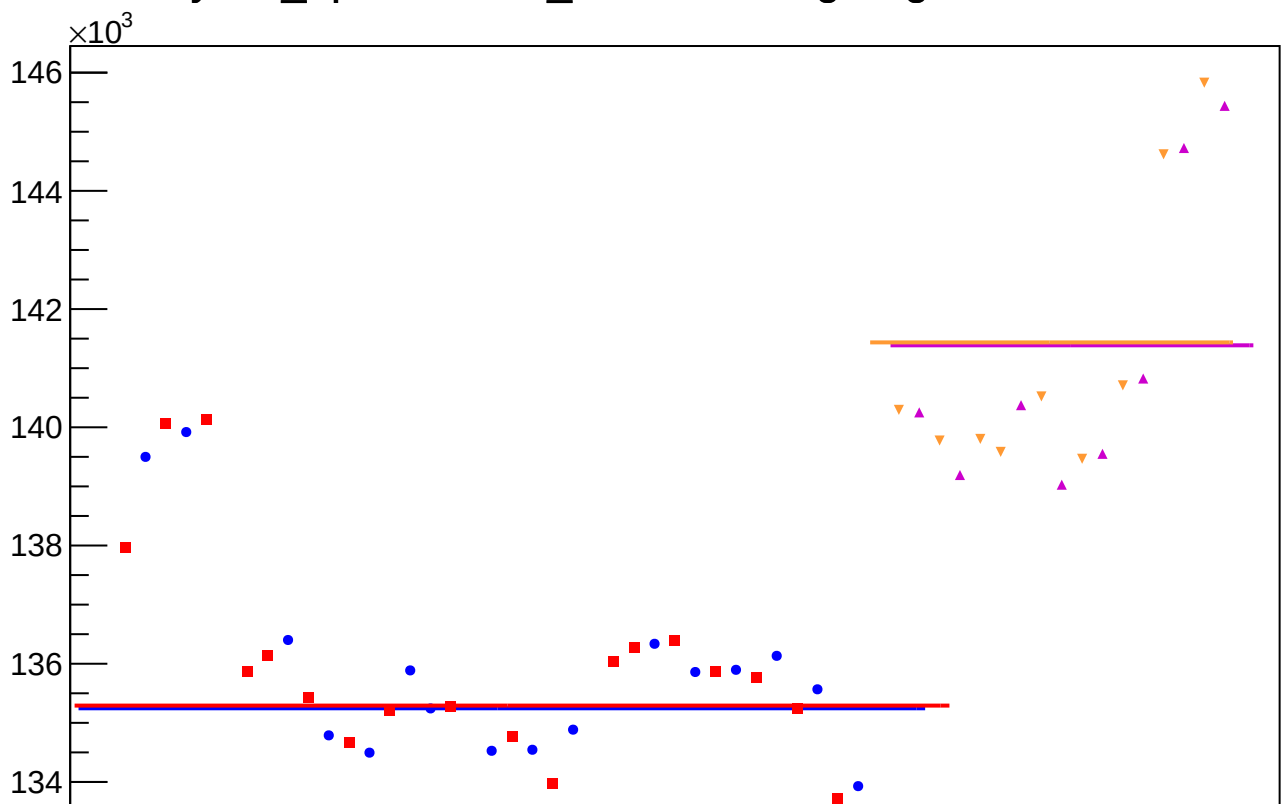
Left: 232.942+/-0.047 χ^2/NDF: 2169673.7/16

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 262.770+/-0.053 χ^2/NDF:2782734.9/23

Out: 243.036+/-0.049 χ^2/NDF:2908030.2/27

All: 252.107+/-0.036 χ^2/NDF: 5766101.2/51



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: 141386.900+/-0.076 χ^2/NDF:997727305.5/7

Left: 141412.768+/-0.053 χ^2/NDF: 2064910716.0/1

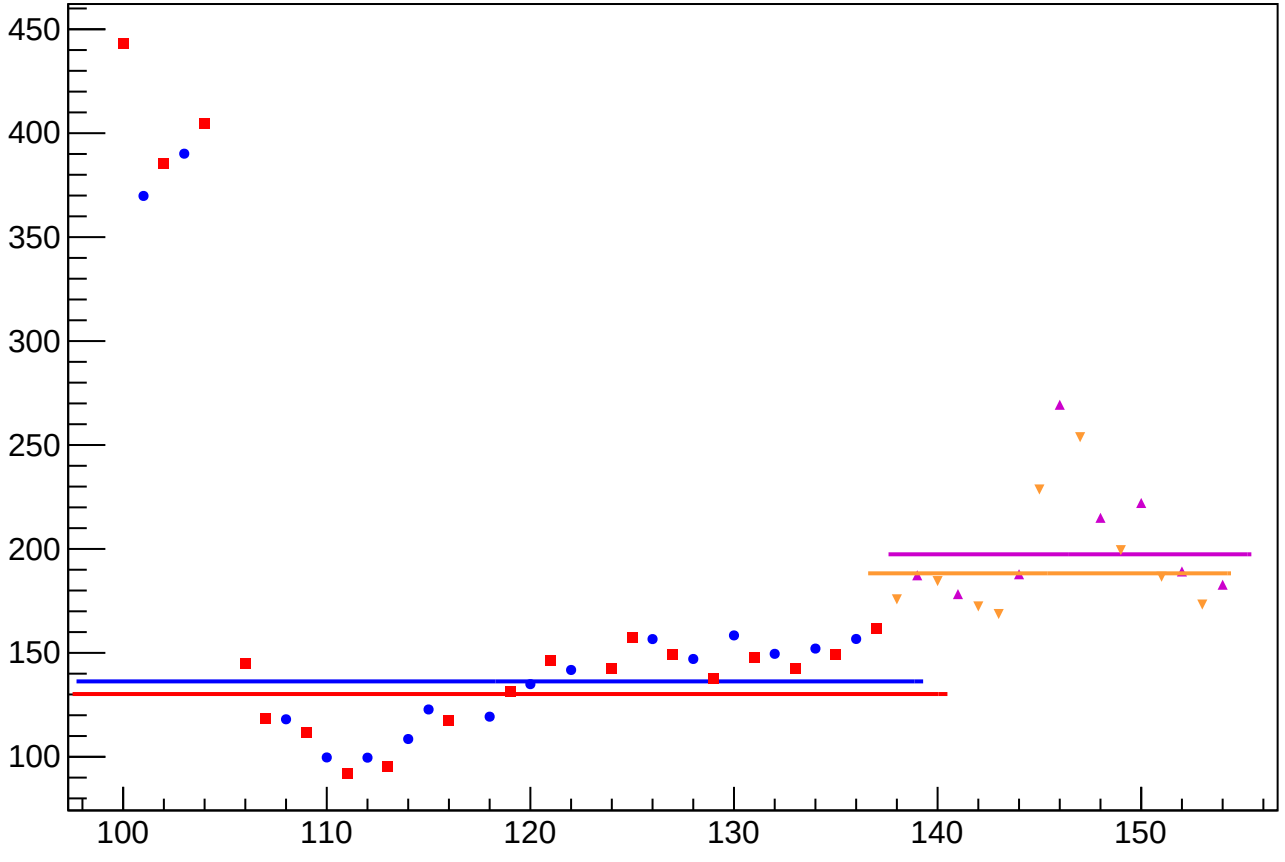
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 137332.214+/-0.044 χ^2/NDF:5663661779.4/23

Out: 137354.530+/-0.042 χ^2/NDF:6181313605.0/2

All: 137343.961+/-0.031 χ^2/NDF: 11845107

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: 197.421+/-0.054 χ^2/NDF:195661.2/7

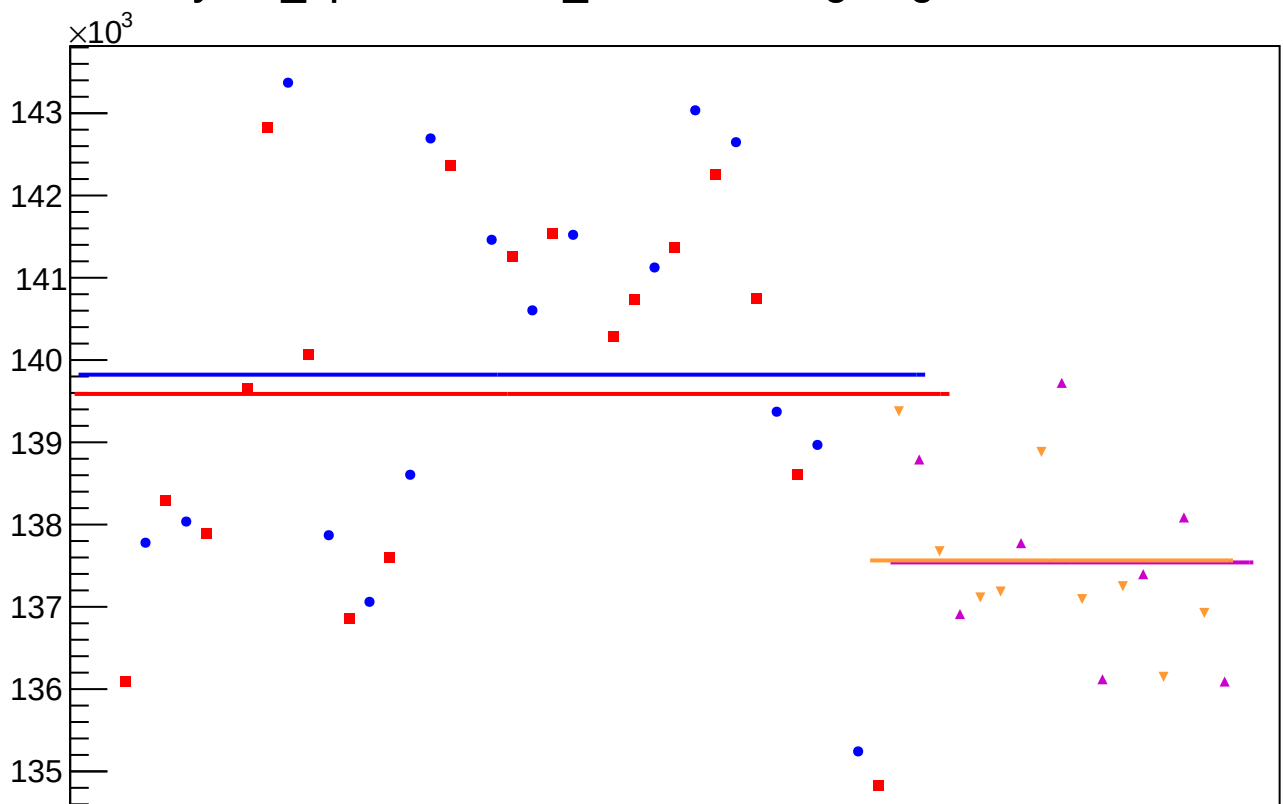
Left: 192.629+/-0.037 χ^2/NDF: 417614.3/16

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 157.053+/-0.031 χ^2/NDF:2427716.8/23

Out: 149.696+/-0.030 χ^2/NDF:2572832.9/27

All: 153.180+/-0.022 χ^2/NDF: 5029362.0/51



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: 137539.703+/-0.077 χ^2/NDF:197875466.7/7

Left: 137552.256+/-0.053 χ^2/NDF: 373218486.3/16

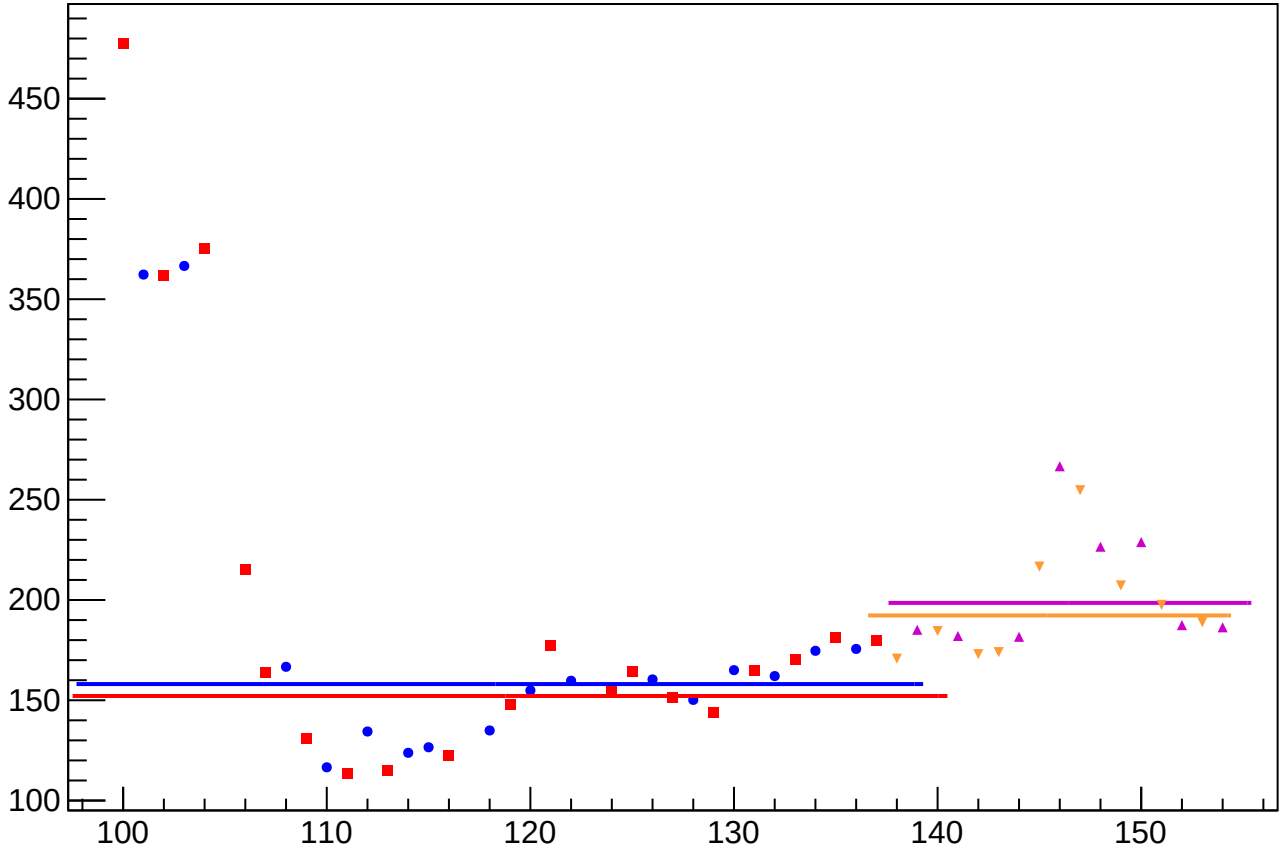
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138912.555+/-0.049 χ^2/NDF:2391159451.1/23

Out: 138794.910+/-0.047 χ^2/NDF:2108113646.5/2

All: 138851.303+/-0.034 χ^2/NDF: 450233106

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: 198.558+/-0.054 χ^2/NDF:218922.8/7

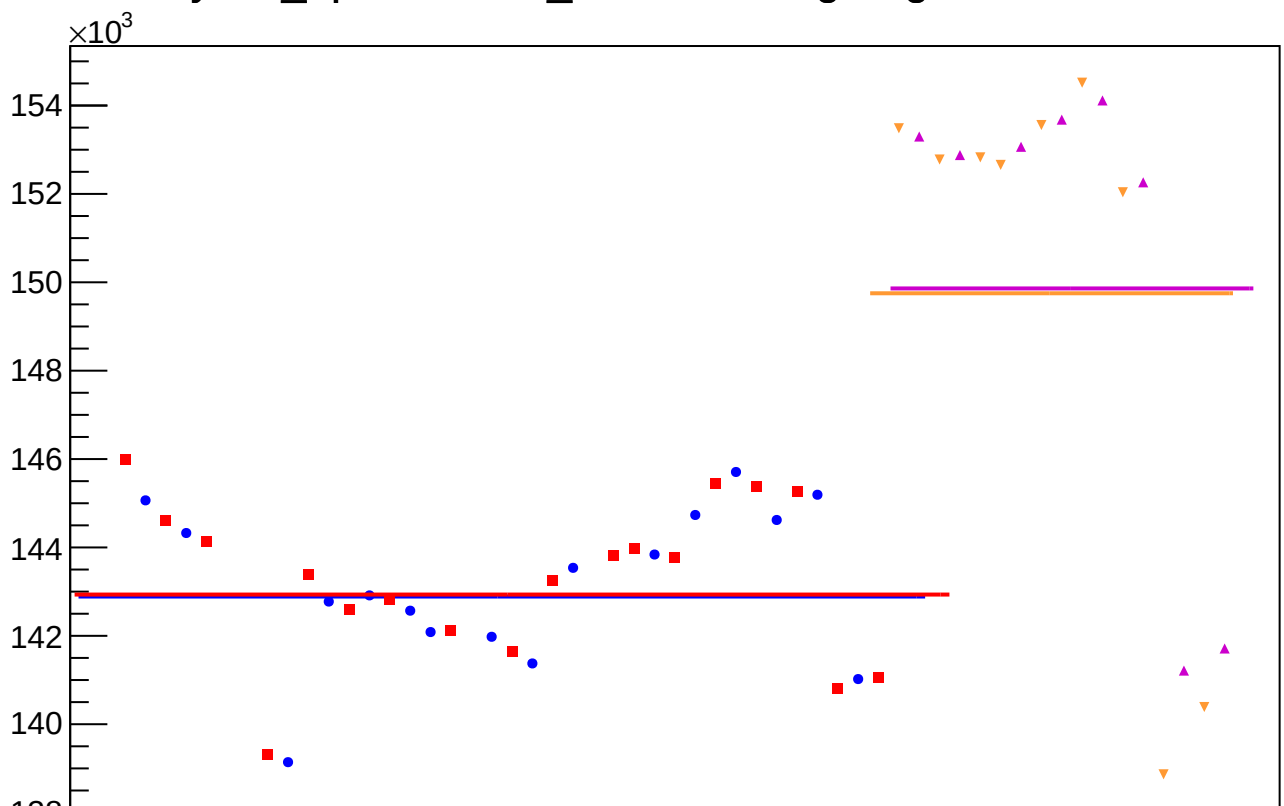
Left: 195.331+/-0.038 χ^2/NDF: 406975.7/16

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 174.211+/-0.034 χ^2/NDF:1570196.2/23

Out: 167.878+/-0.033 χ^2/NDF:1764745.7/27

All: 170.913+/-0.024 χ^2/NDF: 3352663.7/51



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: 149860.959+/-0.077 χ^2/NDF:4669539054.5/7

Left: 149804.532+/-0.054 χ^2/NDF: 10671566773.8

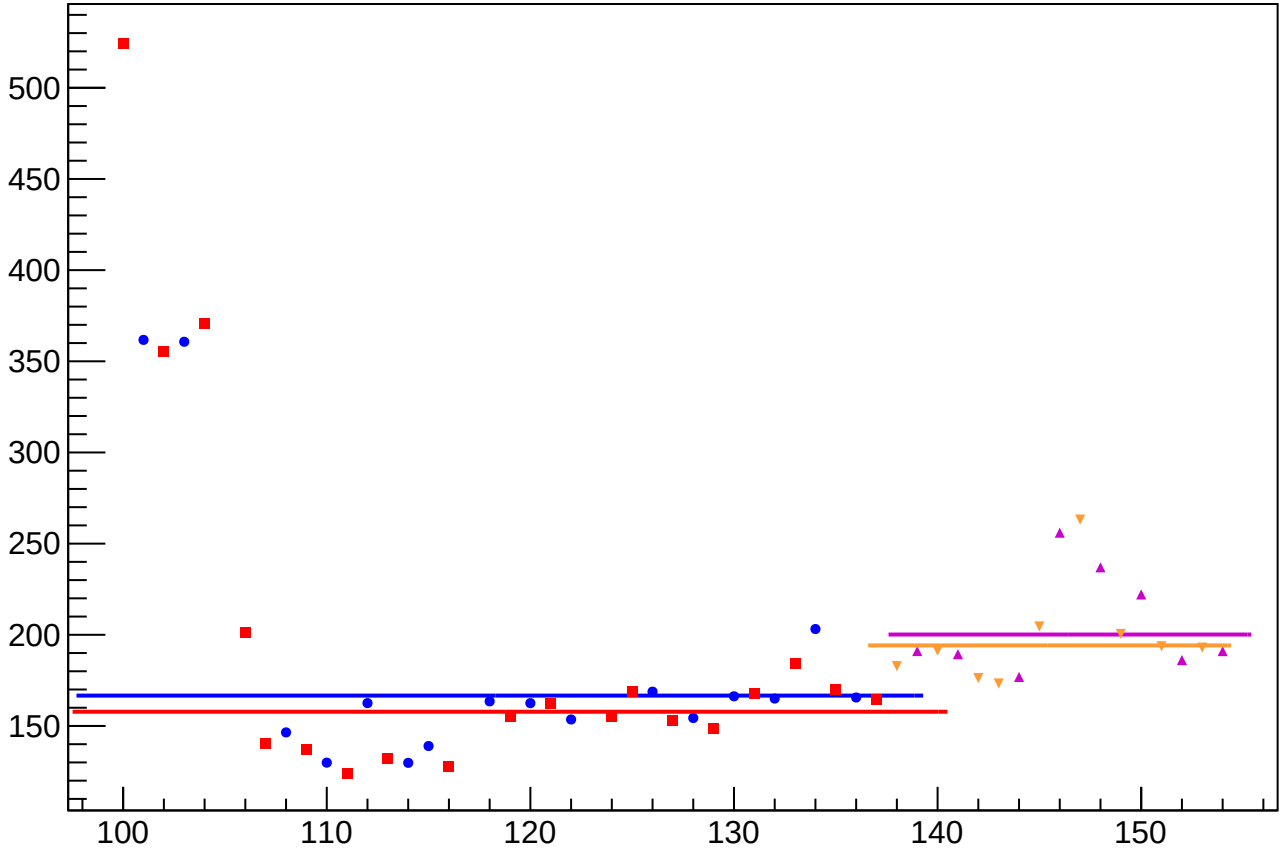
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145817.917+/-0.050 χ^2/NDF:10164914315.9/2

Out: 145683.585+/-0.048 χ^2/NDF:11738830342.8

All: 145747.329+/-0.034 χ^2/NDF: 21907534

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: 200.145+/-0.055 χ^2/NDF:192252.8/7

Left: 197.072+/-0.038 χ^2/NDF: 354127.7/16

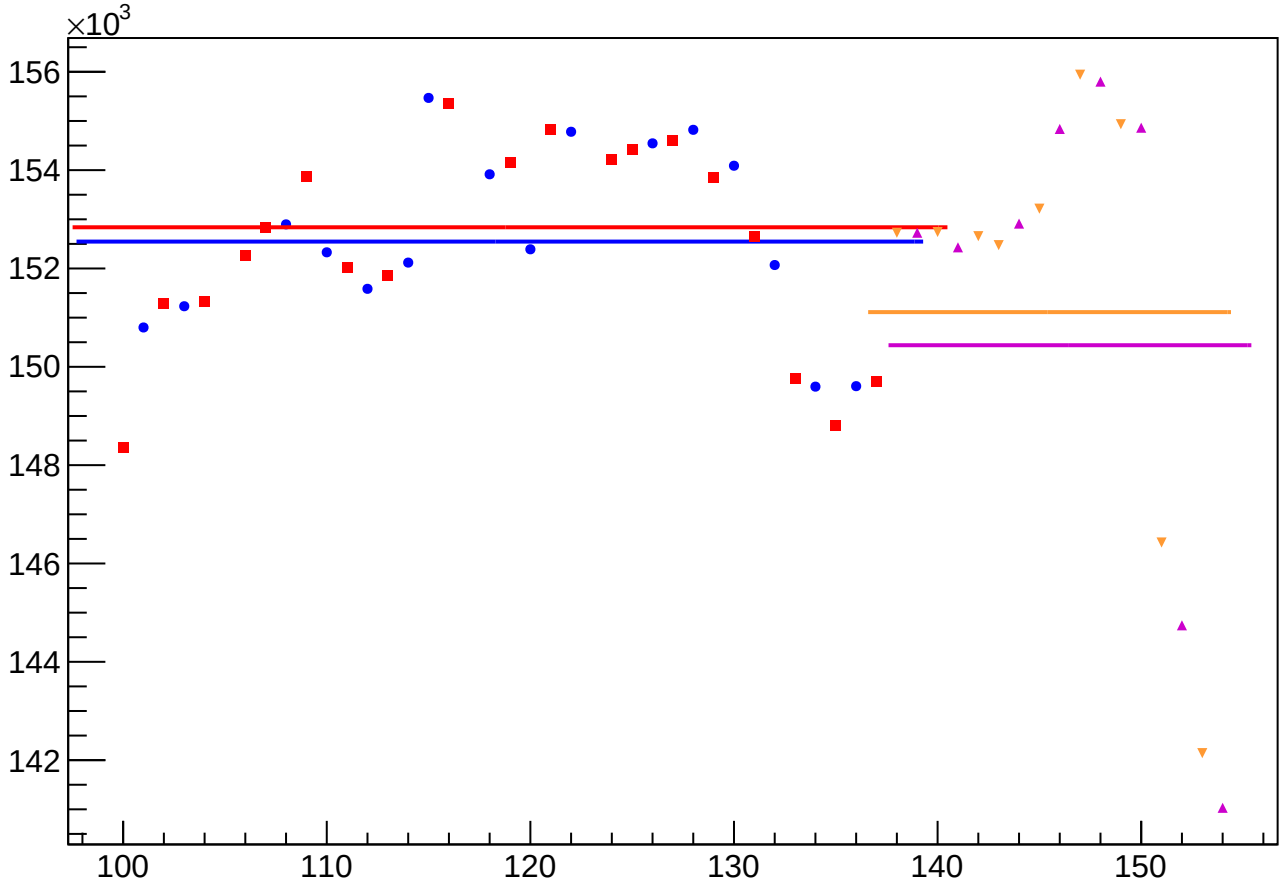
Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 180.724+/-0.035 χ^2/NDF:1274214.2/23

Out: 172.479+/-0.034 χ^2/NDF:1459879.2/27

All: 176.392+/-0.024 χ^2/NDF: 2762646.1/51

yield_bpm0i07WS_mean vs Slug, Sign Corrected



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: 150439.130+/-0.078 χ^2/NDF:4323777072.4/7

Left: 150786.705+/-0.054 χ^2/NDF: 7376536463.4/1

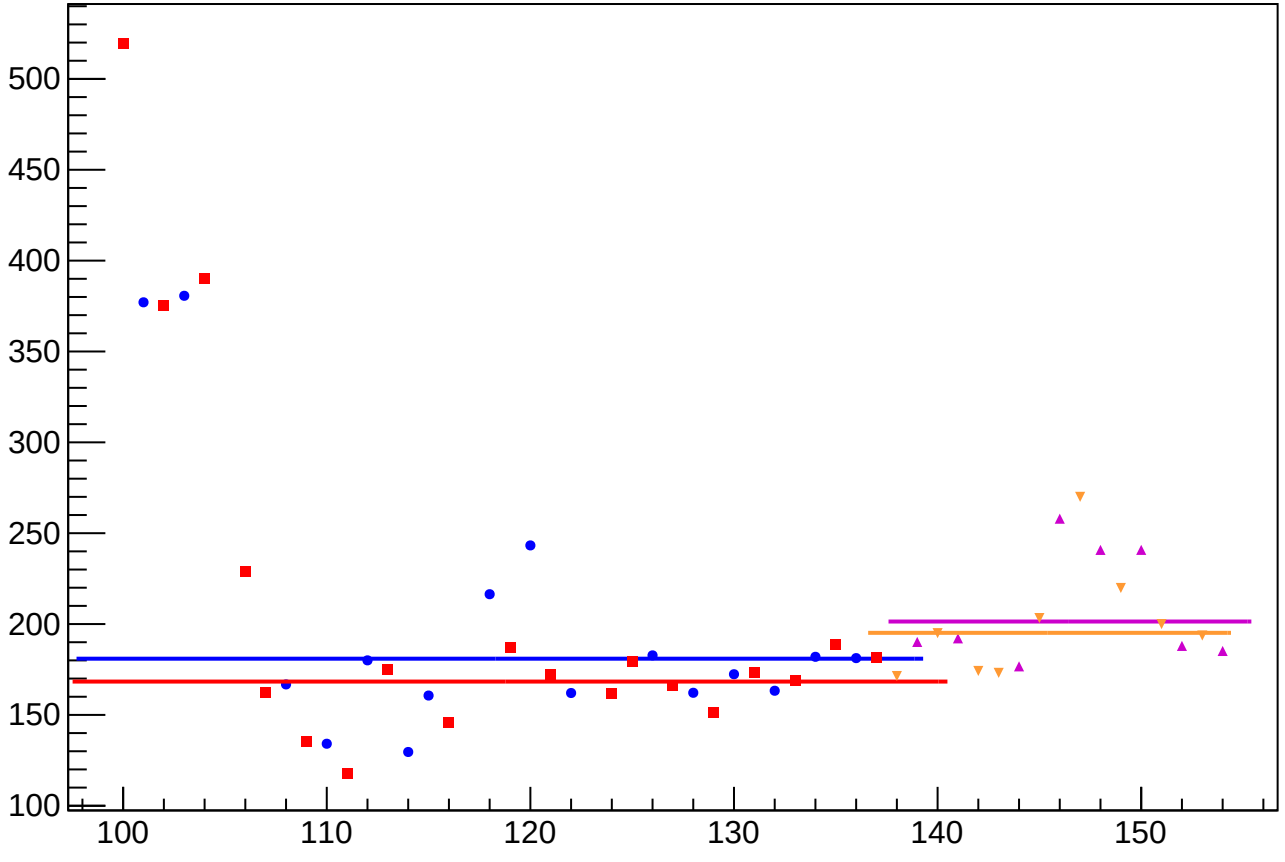
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 151562.912+/-0.053 χ^2/NDF:5371647151.7/23

Out: 152077.826+/-0.050 χ^2/NDF:4045937986.7/2

All: 151836.173+/-0.036 χ^2/NDF: 946763438

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: 201.393+/-0.055 χ^2/NDF:241222.0/7

Left: 198.178+/-0.038 χ^2/NDF: 465126.6/16

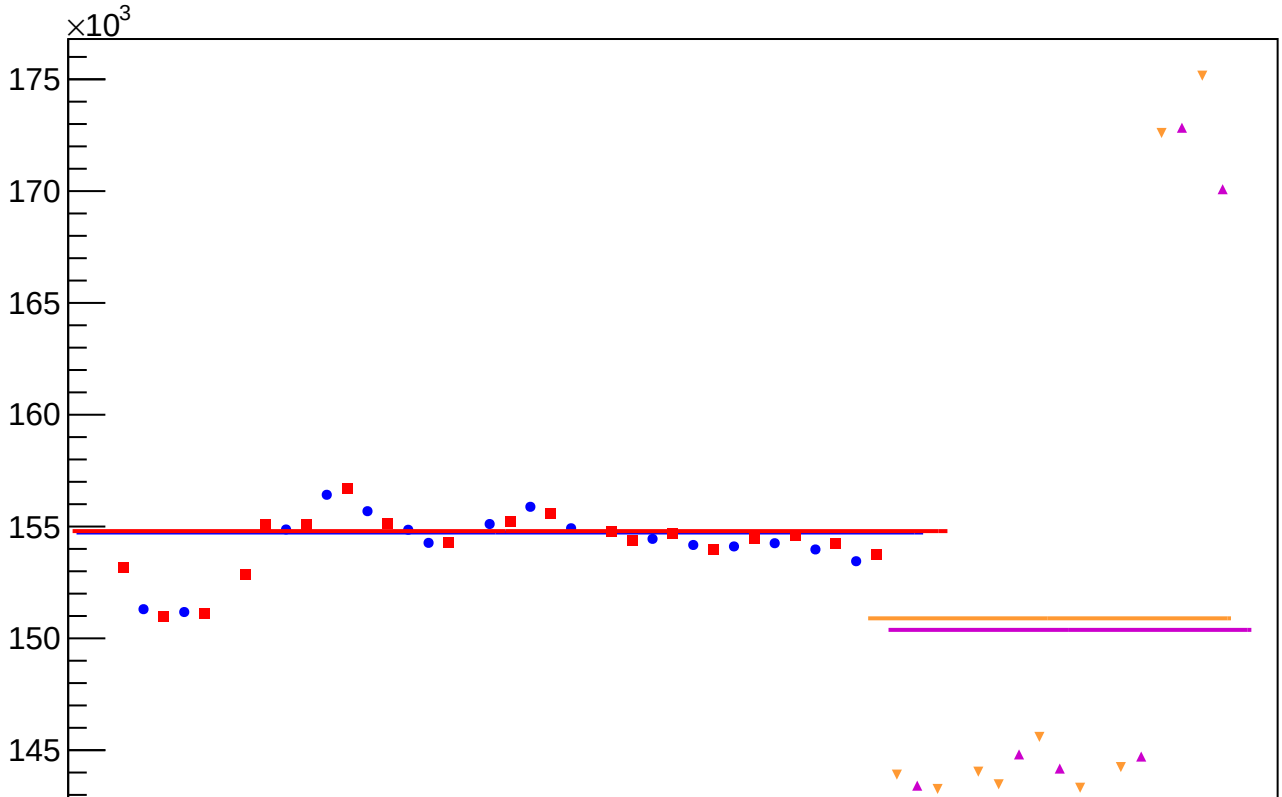
Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.487+/-0.037 χ^2/NDF:1223061.2/23

Out: 180.162+/-0.035 χ^2/NDF:1448919.2/27

All: 185.008+/-0.026 χ^2/NDF: 2712232.4/51

yield_bpm1i02WS_mean vs Slug, Sign Corrected



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: 150379.508+/-0.071 χ^2/NDF:29030510094.4/7

Left: 150645.358+/-0.049 χ^2/NDF: 63655577067.3

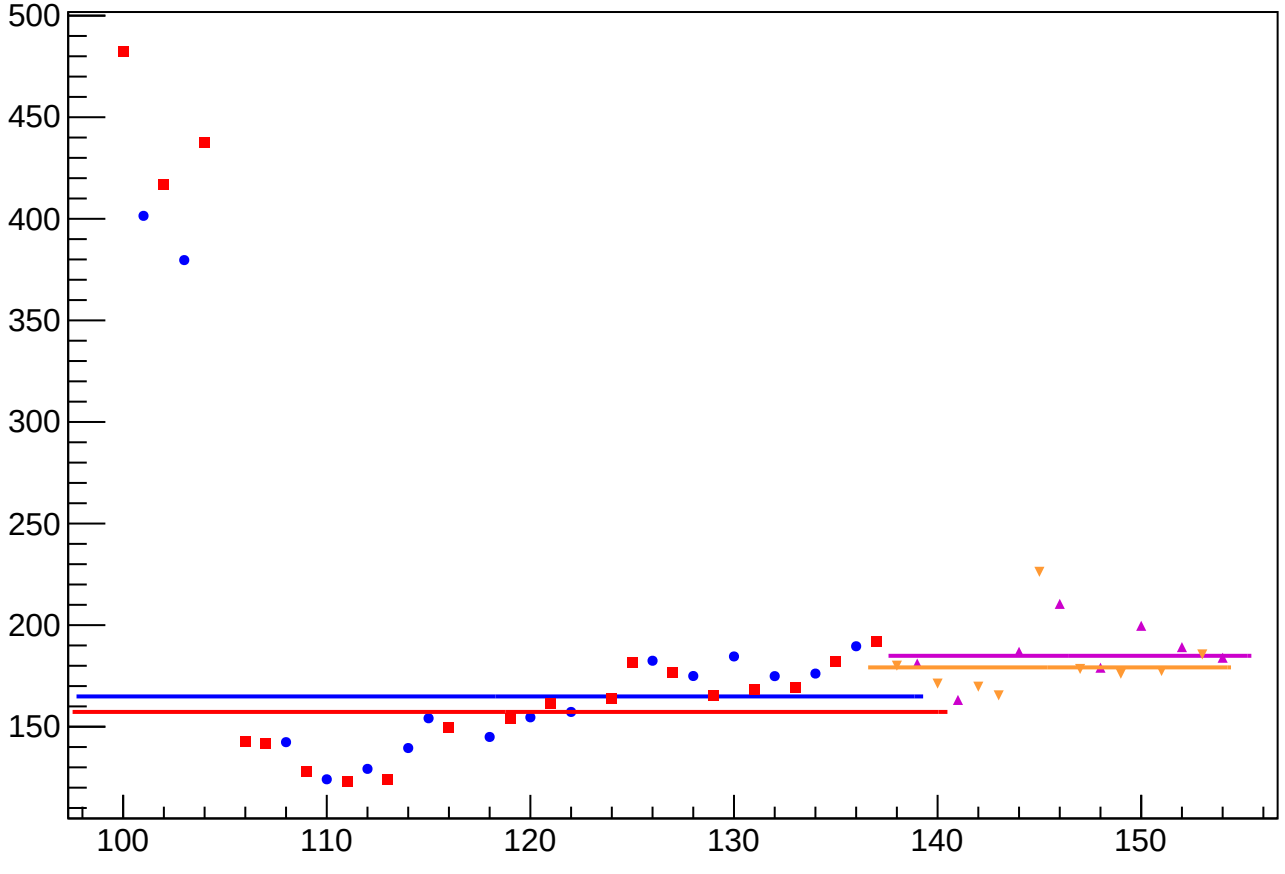
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 152727.942+/-0.048 χ^2/NDF:31358887825.0/2

Out: 153066.996+/-0.046 χ^2/NDF:36710036279.8

All: 152905.878+/-0.033 χ^2/NDF: 68095237

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: 184.904+/-0.050 χ^2/NDF:70098.0/7

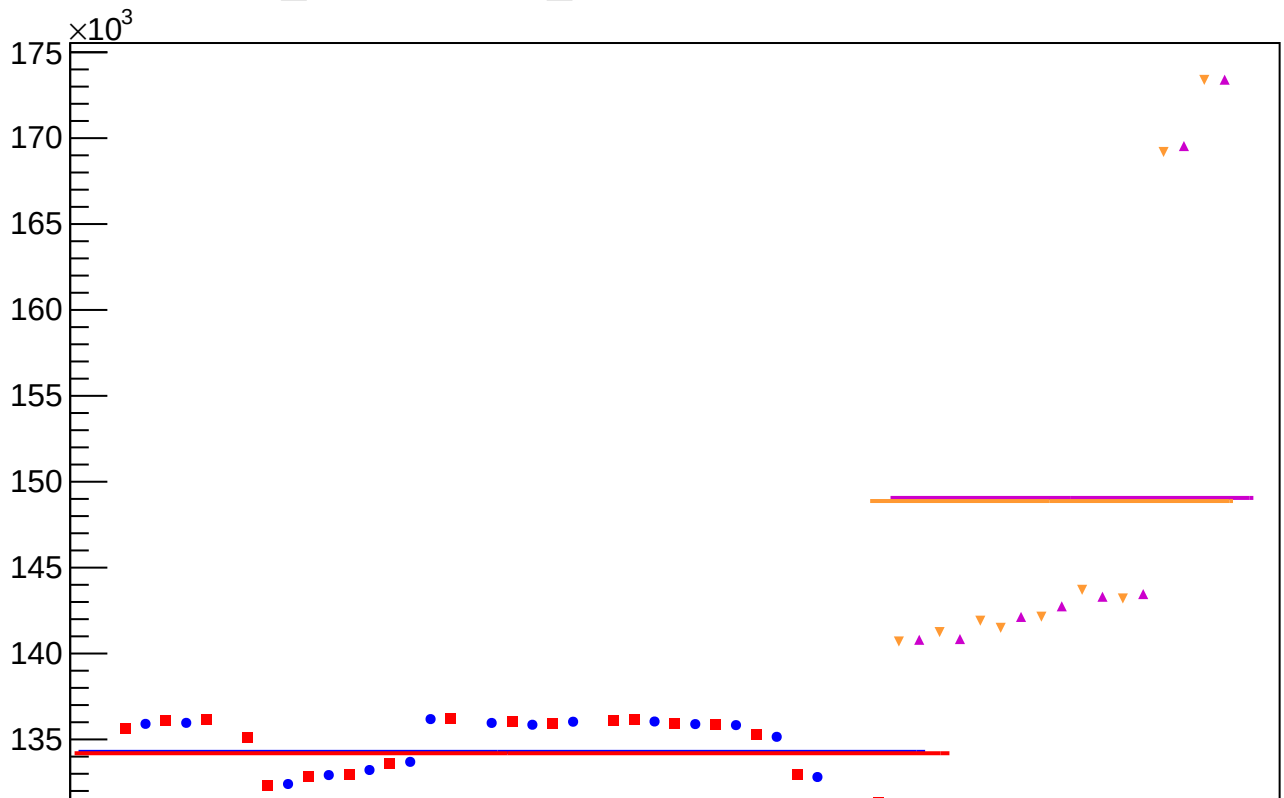
Left: 181.966+/-0.035 χ^2/NDF: 166459.4/16

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 174.117+/-0.034 χ^2/NDF:1229499.1/23

Out: 166.998+/-0.032 χ^2/NDF:1458672.6/27

All: 170.381+/-0.023 χ^2/NDF: 2711369.8/51



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 148876.813+/-0.067 χ^2/NDF:33935033950.5/8

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 149057.610+/-0.070 χ^2/NDF:32198305198.3/7

Left: 148963.962+/-0.049 χ^2/NDF: 66136806242.8

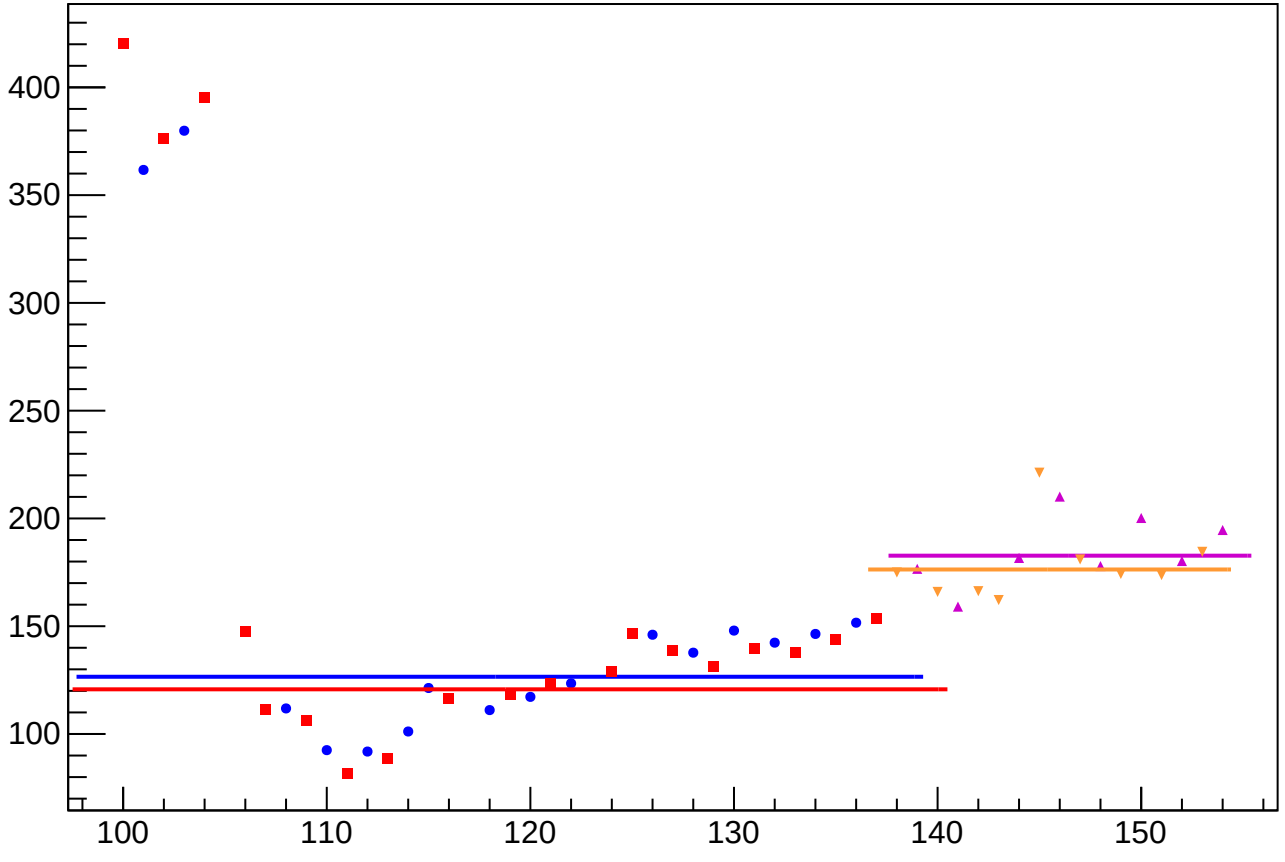
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 139389.997+/-0.041 χ^2/NDF:62603633479.7/2

Out: 139130.928+/-0.039 χ^2/NDF:66625444977.3

All: 139253.951+/-0.028 χ^2/NDF: 12924993

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: 182.728+/-0.049 χ^2/NDF:91608.8/7

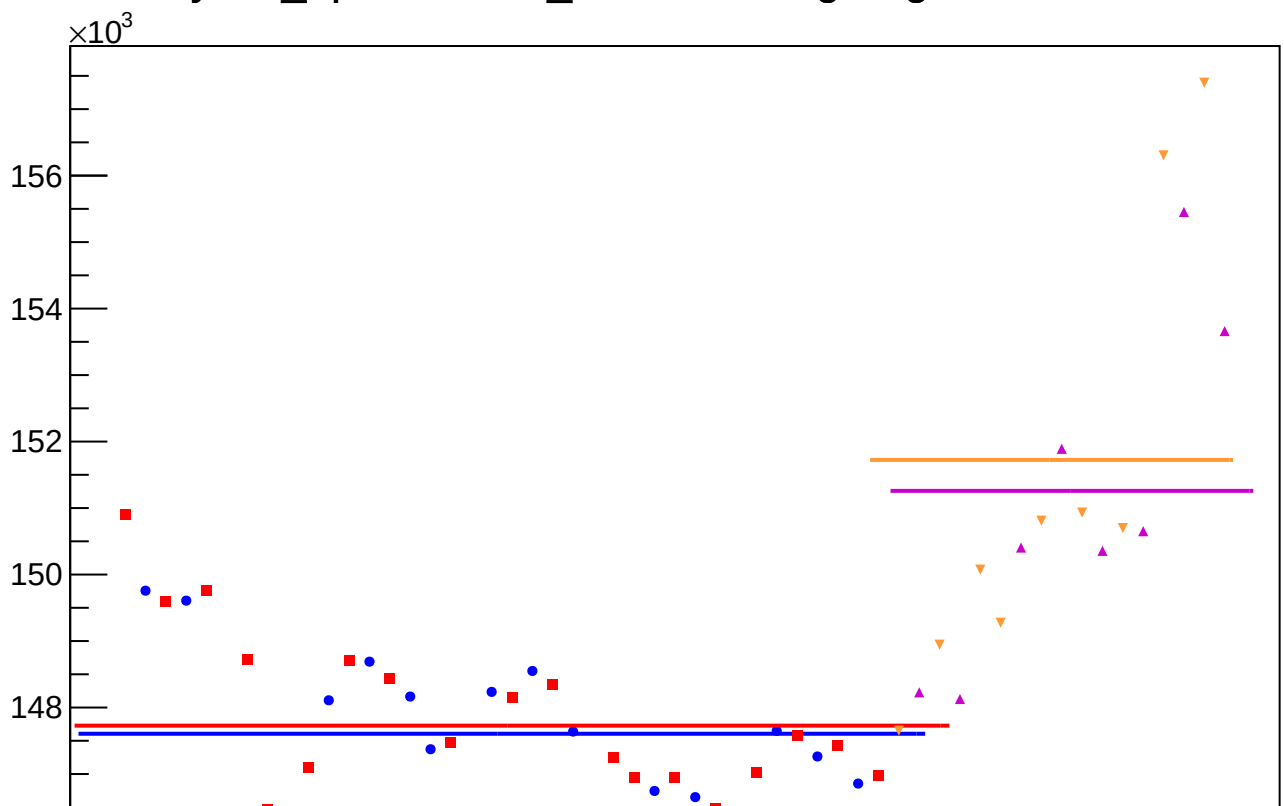
Left: 179.408+/-0.034 χ^2/NDF: 193339.5/16

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 145.986+/-0.029 χ^2/NDF:2414344.1/23

Out: 139.414+/-0.028 χ^2/NDF:2628722.8/27

All: 142.535+/-0.020 χ^2/NDF: 5069921.0/51



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 151724.177+/-0.079 χ^2/NDF:1885717584.7/8

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 151258.744+/-0.082 χ^2/NDF:959904934.6/7

Left: 151497.619+/-0.057 χ^2/NDF: 2862321625.1/1

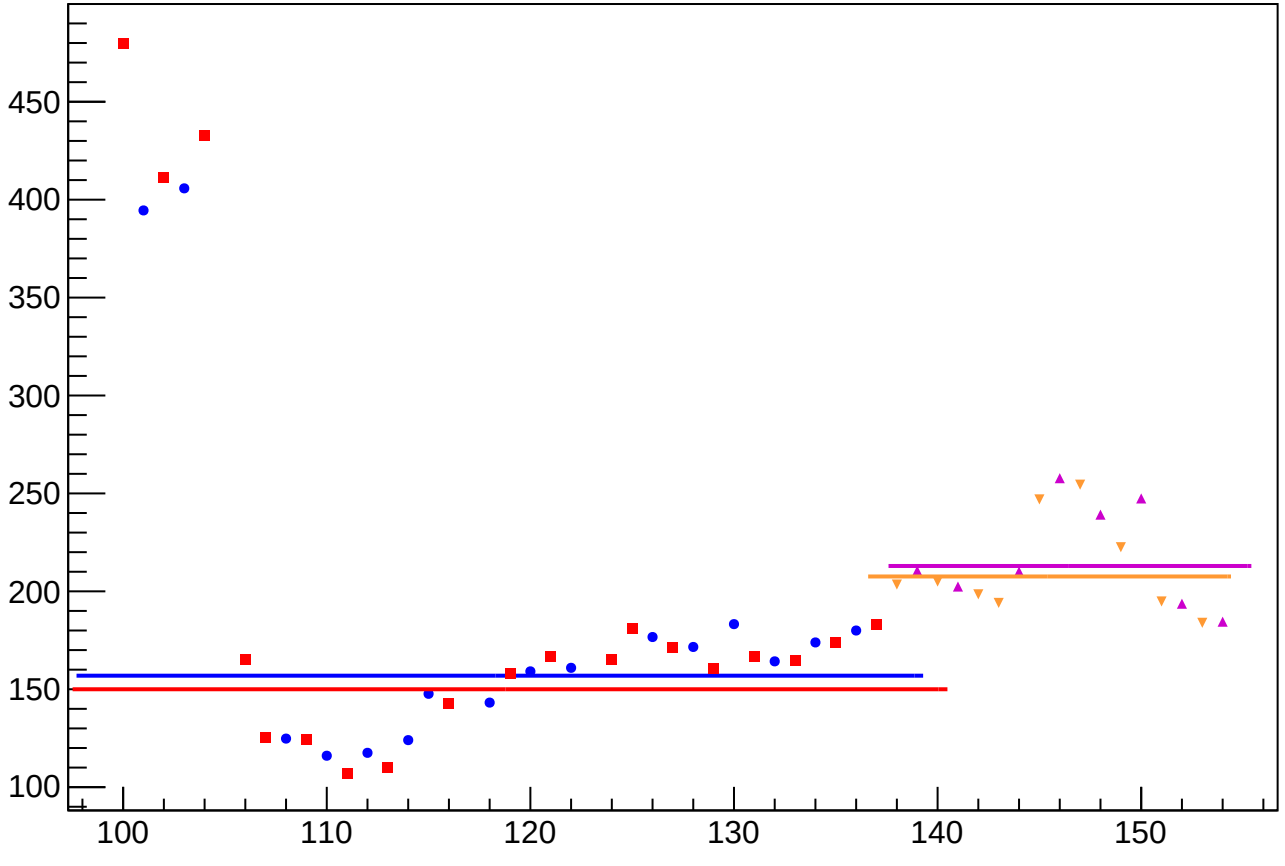
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 148955.705+/-0.050 χ^2/NDF:2424085312.0/23

Out: 149145.742+/-0.047 χ^2/NDF:3712446086.8/2

All: 149055.168+/-0.034 χ^2/NDF: 61442132

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: 212.949+/-0.058 χ^2/NDF:170407.5/7

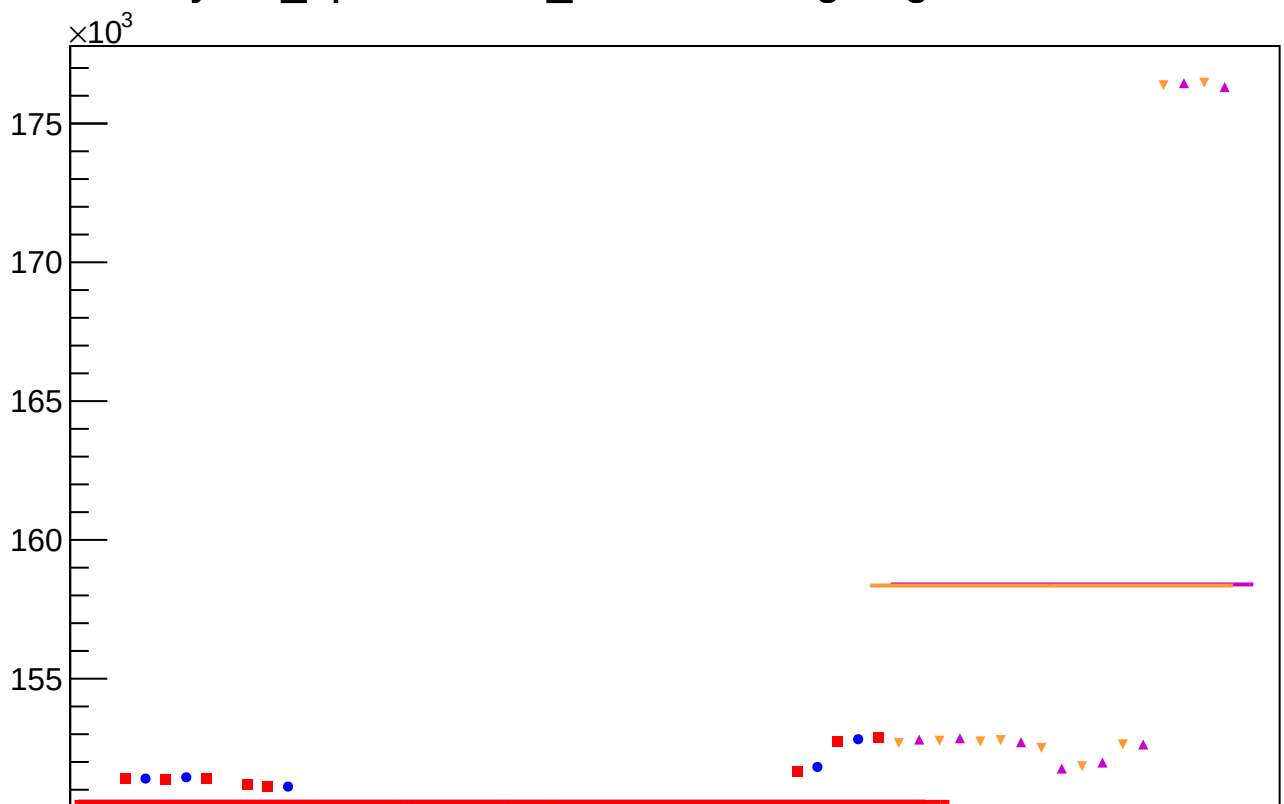
Left: 210.198+/-0.040 χ^2/NDF: 323452.8/16

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 177.631+/-0.035 χ^2/NDF:2030530.1/23

Out: 170.431+/-0.033 χ^2/NDF:2280395.2/27

All: 173.863+/-0.024 χ^2/NDF: 4332979.3/51



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: 158395.221+/-0.069 χ^2/NDF:22266247113.0/7

Left: 158374.539+/-0.048 χ^2/NDF: 45805078830.5

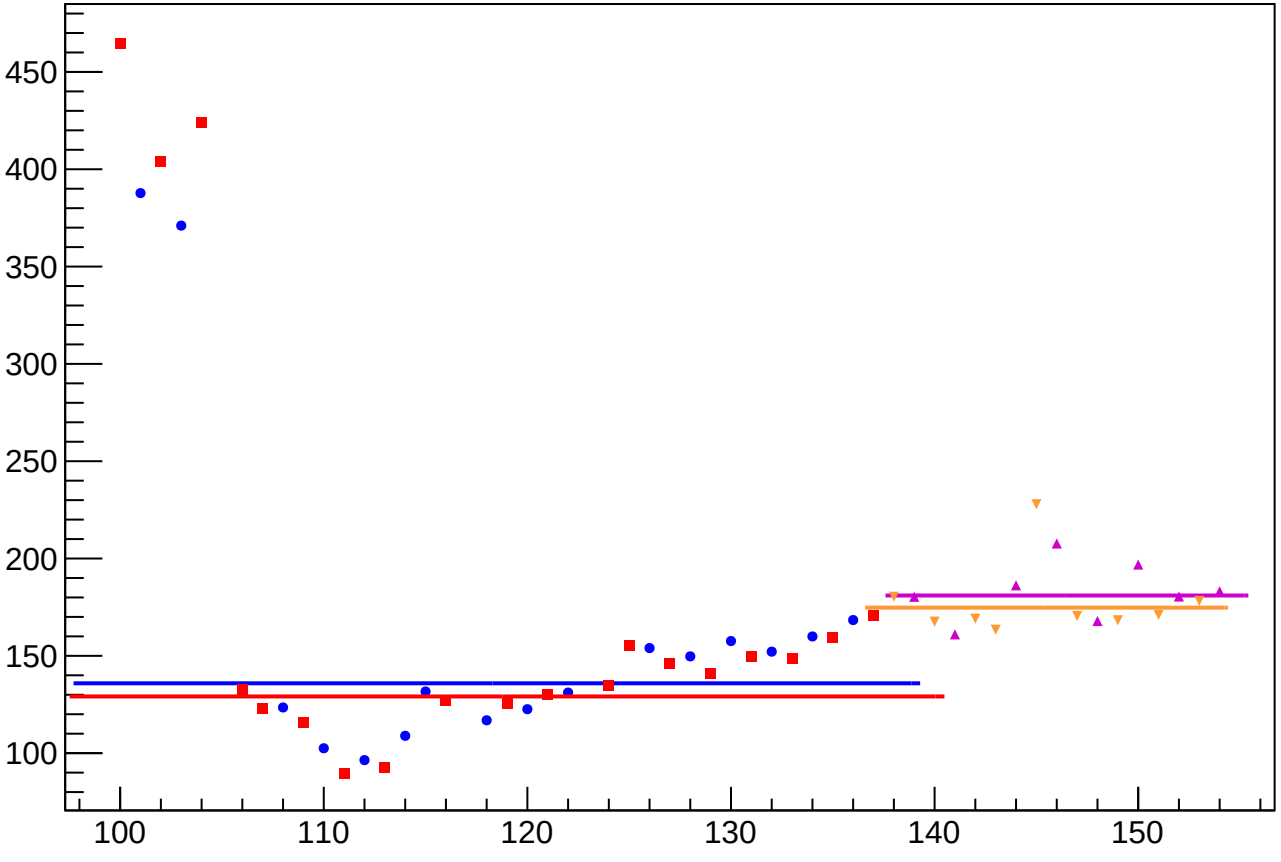
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 153576.540+/-0.043 χ^2/NDF:30397126419.4/2

Out: 153433.848+/-0.041 χ^2/NDF:32348529676.9/

All: 153501.195+/-0.029 χ^2/NDF: 627515112

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: 181.012+/-0.049 χ^2/NDF:78968.6/7

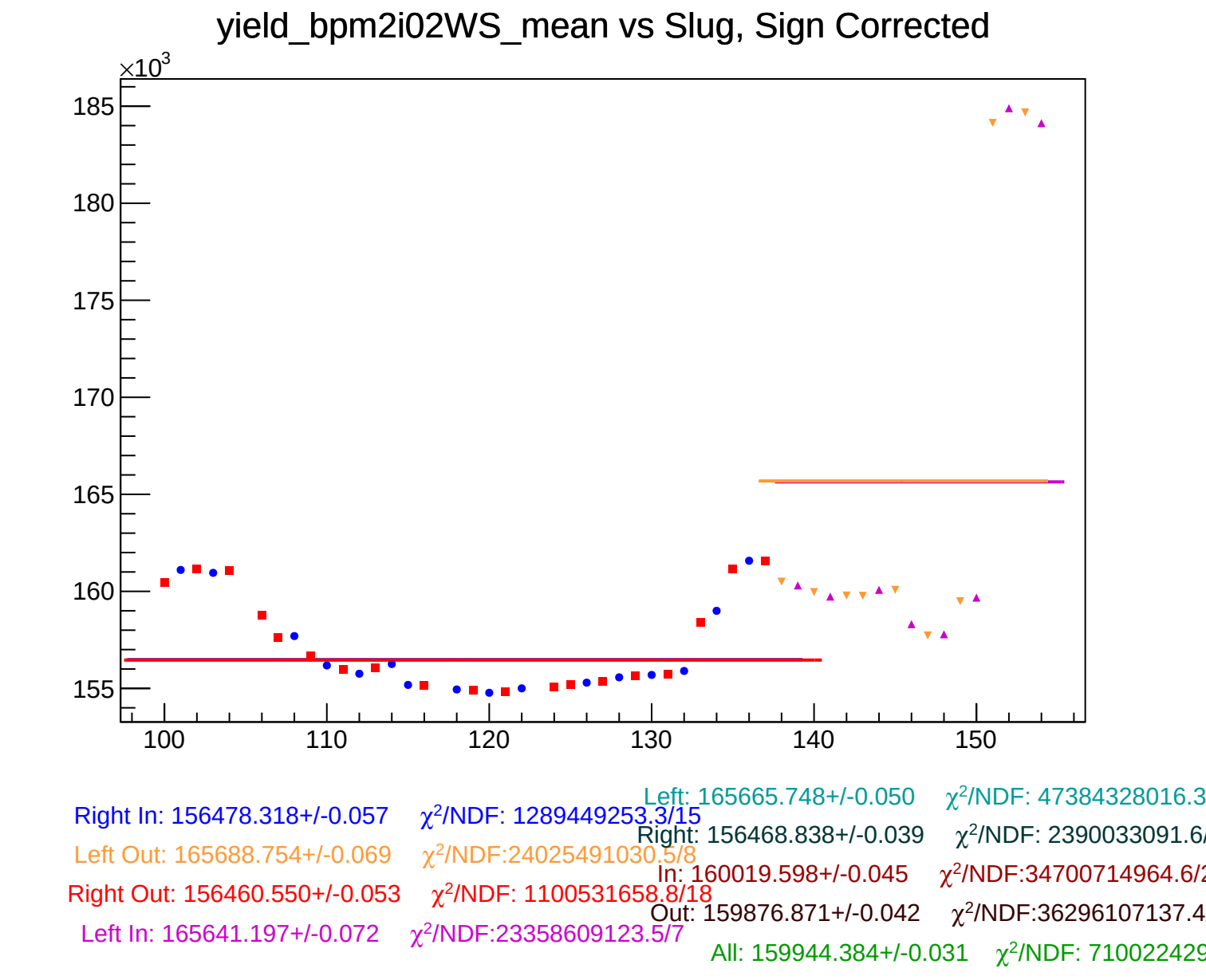
Left: 177.779+/-0.034 χ^2/NDF: 193062.9/16

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

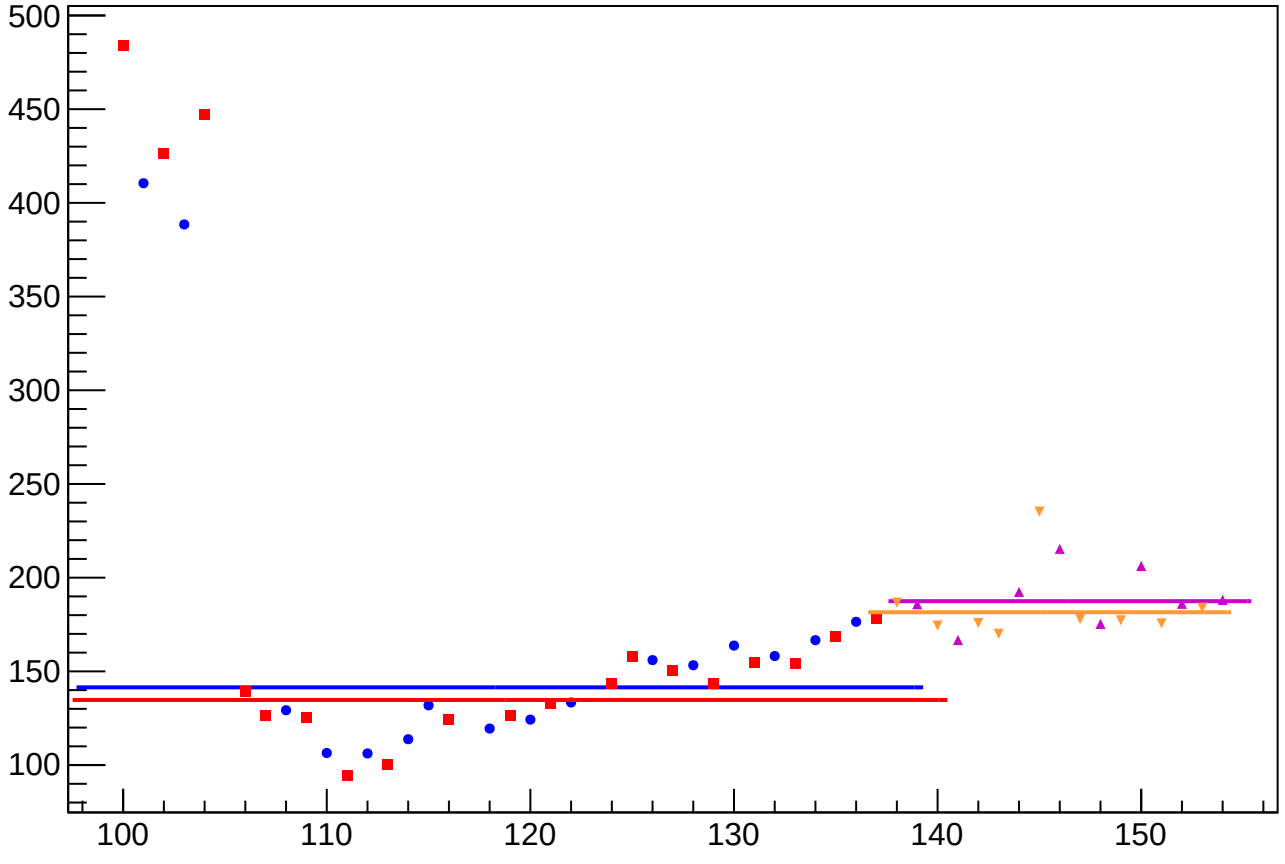
In: 153.235+/-0.030 χ^2/NDF:2019890.8/23

Out: 145.948+/-0.029 χ^2/NDF:2310519.3/27

All: 149.387+/-0.021 χ^2/NDF: 4360945.3/51


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 165688.754+/-0.069 χ²/NDF:24025491030.5/8
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 165641.197+/-0.072 χ²/NDF:23358609123.5/7
Left: 165665.748+/-0.050 χ²/NDF: 47384328016.3
Right: 156468.838+/-0.039 χ²/NDF: 2390033091.6
In: 160019.598+/-0.045 χ²/NDF:34700714964.6/2
Out: 159876.871+/-0.042 χ²/NDF:36296107137.4
All: 159944.384+/-0.031 χ²/NDF: 710022429

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: 187.453+/-0.051 χ^2/NDF:80427.2/7

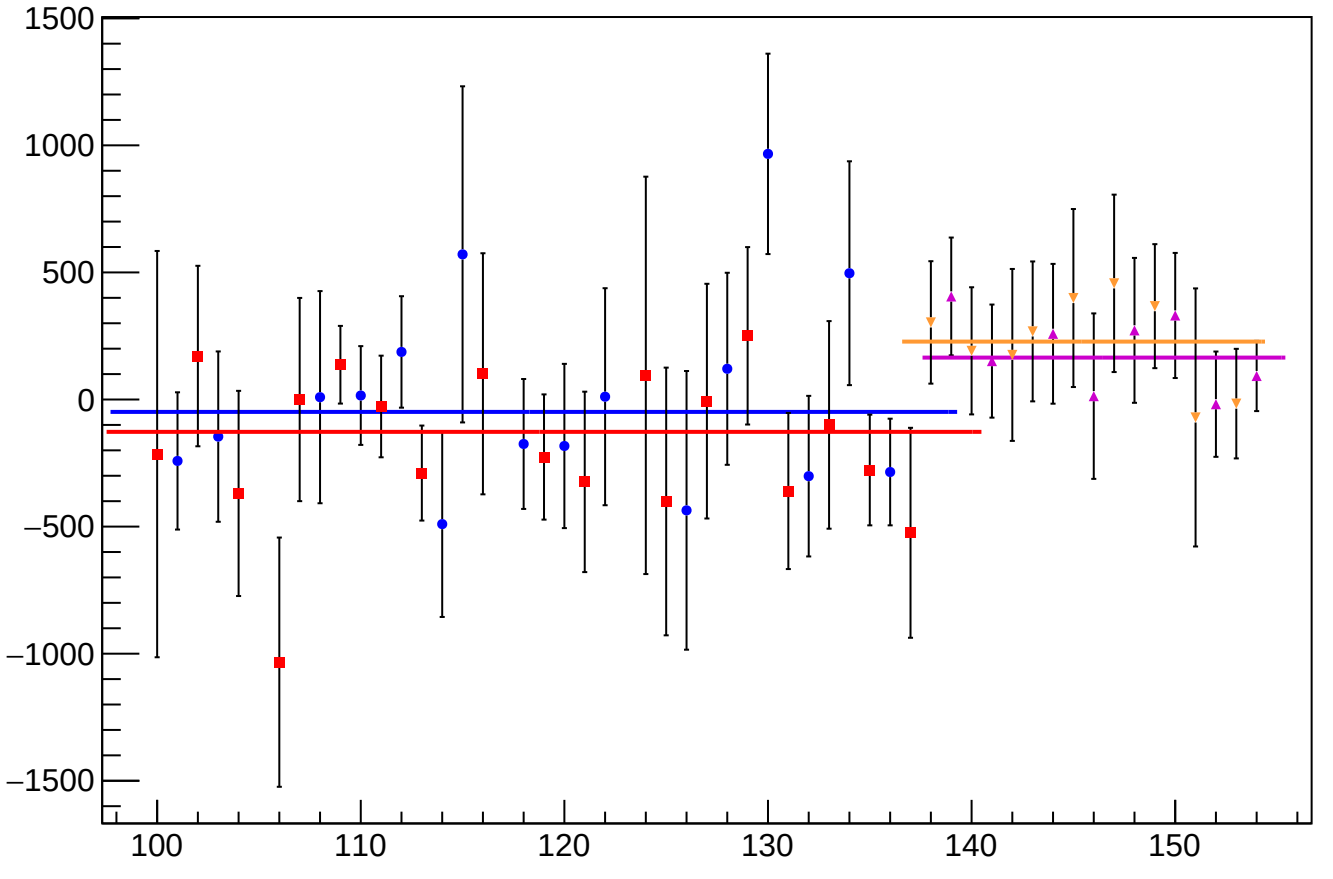
Left: 184.408+/-0.035 χ^2/NDF: 187338.7/16

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 159.241+/-0.031 χ^2/NDF:1978691.9/23

Out: 152.075+/-0.030 χ^2/NDF:2253724.6/27

All: 155.465+/-0.022 χ^2/NDF: 4259753.9/51



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: 164.894+/-77.607 χ^2/NDF:3.1/7

Left: 190.490+/-59.786 χ^2/NDF: 6.1/16

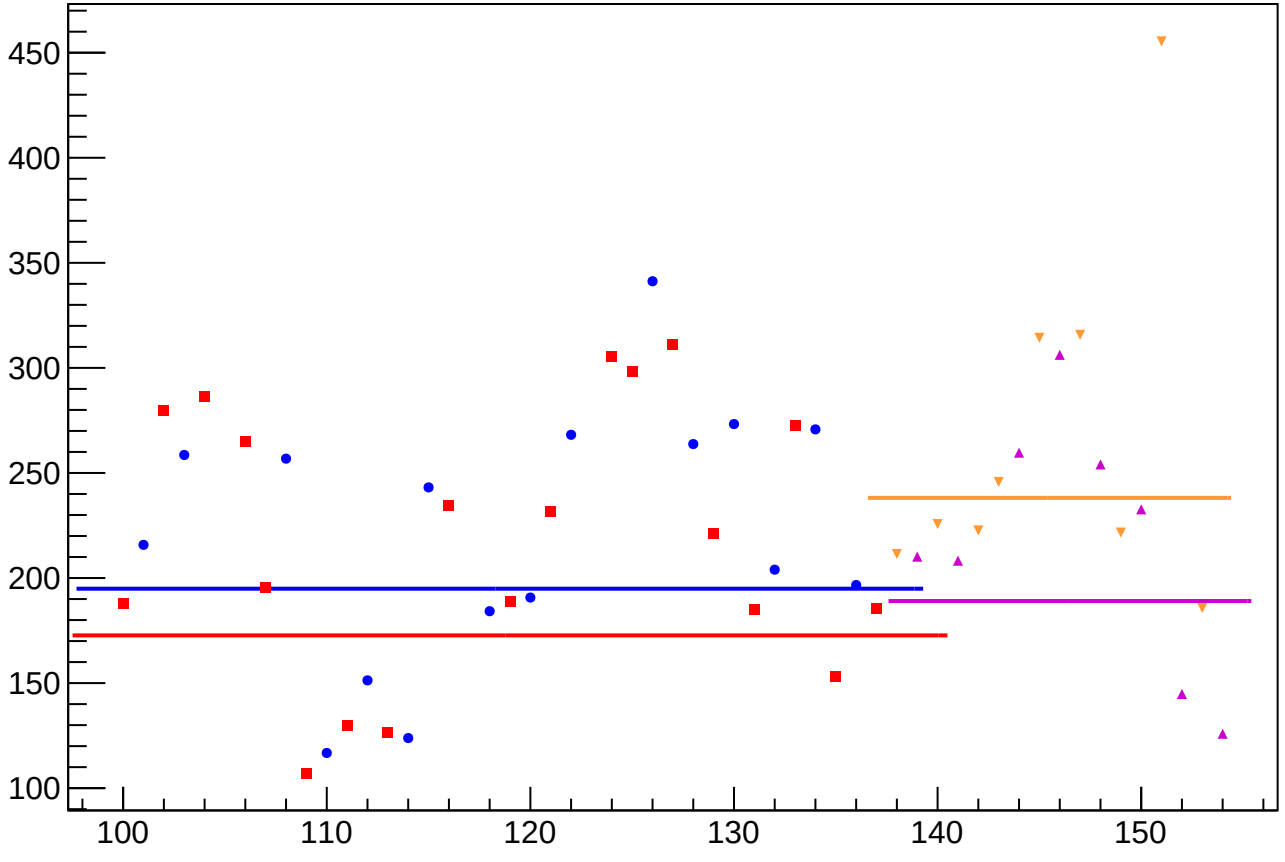
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 56.666+/-54.514 χ^2/NDF:22.3/23

Out: -3.668+/-55.316 χ^2/NDF:25.0/27

All: 26.939+/-38.828 χ^2/NDF: 47.9/51

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: 189.056+/-0.055 χ^2/NDF:1098796.8/7

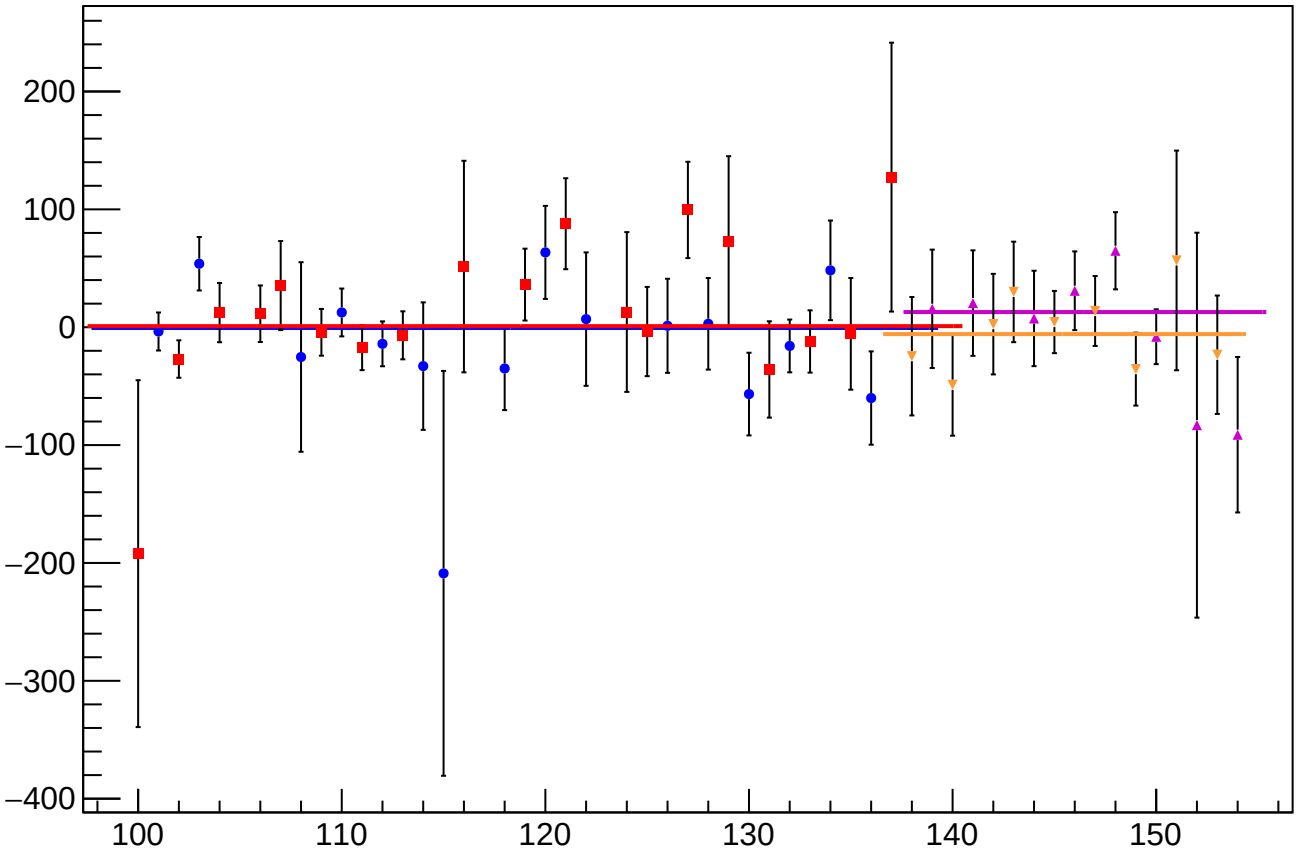
Left: 209.009+/-0.042 χ^2/NDF: 2146310.0/16

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 192.028+/-0.039 χ^2/NDF:2133487.6/23

Out: 195.475+/-0.039 χ^2/NDF:2988641.6/27

All: 193.726+/-0.027 χ^2/NDF: 5126069.4/51



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: 12.880+/-13.542 χ^2/NDF:6.5/7

Left: 2.958+/-9.280 χ^2/NDF: 11.5/16

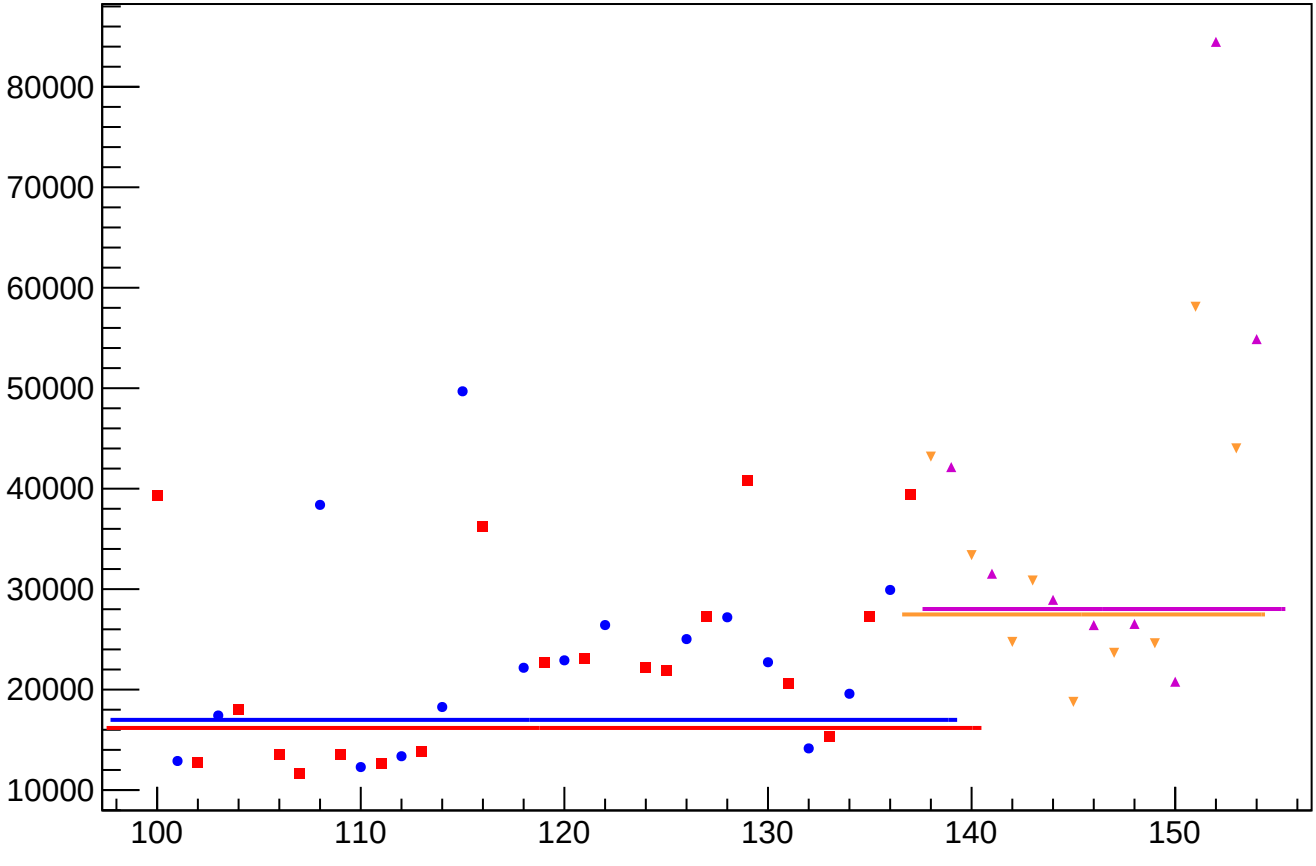
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.443+/-6.453 χ^2/NDF:26.2/23

Out: -0.550+/-5.977 χ^2/NDF:27.2/27

All: 0.831+/-4.385 χ^2/NDF: 53.5/51

asym_bcm_an_diff_rms vs Slug, Sign Corrected



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: 28022.136+/-9.576 χ^2/NDF:944645.0/7

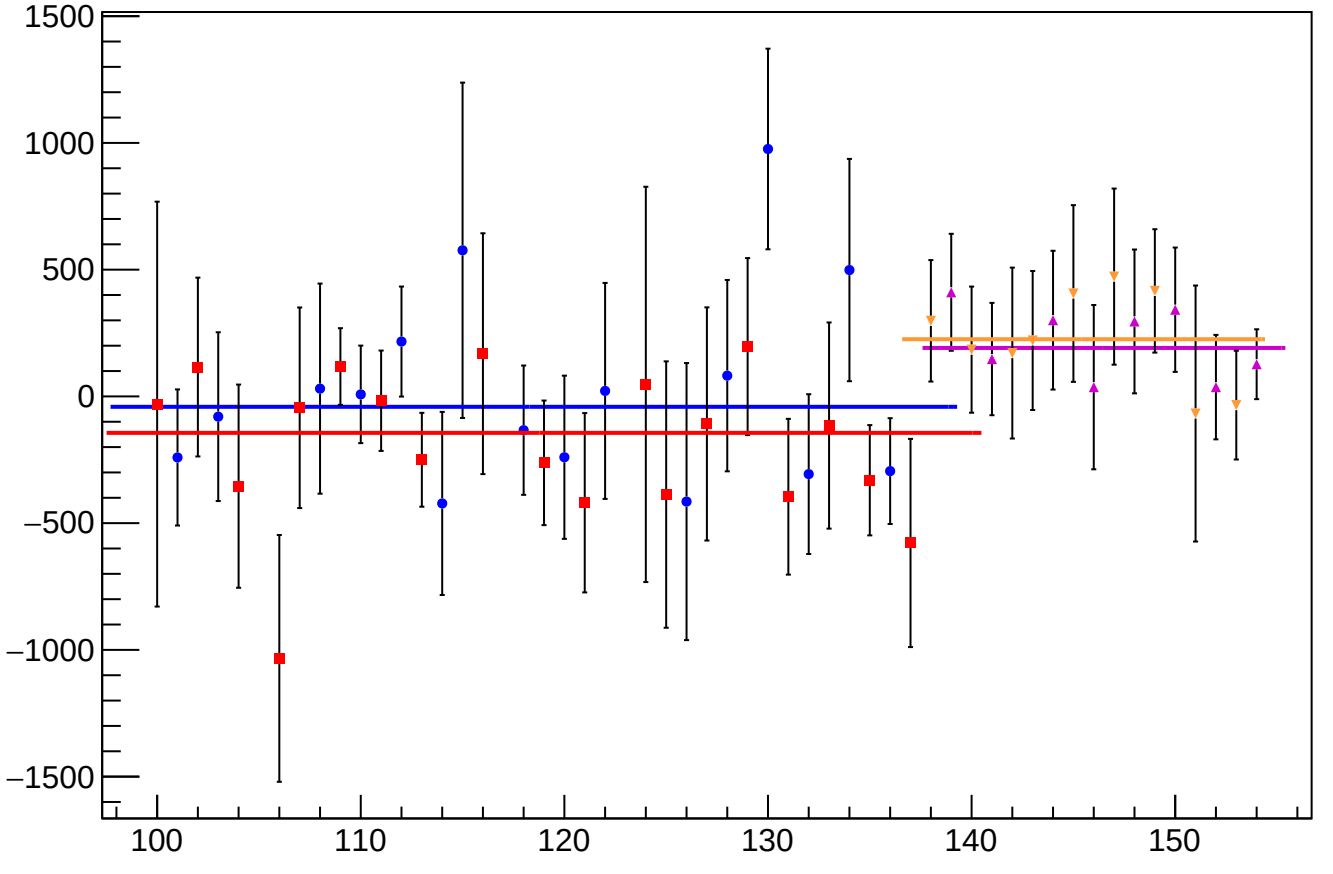
Left: 27734.901+/-6.562 χ^2/NDF: 1900207.8/16

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 19492.309+/-4.563 χ^2/NDF:3165269.0/23

Out: 18667.273+/-4.226 χ^2/NDF:3431807.1/27

All: 19048.196+/-3.101 χ^2/NDF: 6614672.9/5



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: 191.201+/-77.322 χ^2/NDF:2.6/7

Left: 205.194+/-59.551 χ^2/NDF: 6.0/16

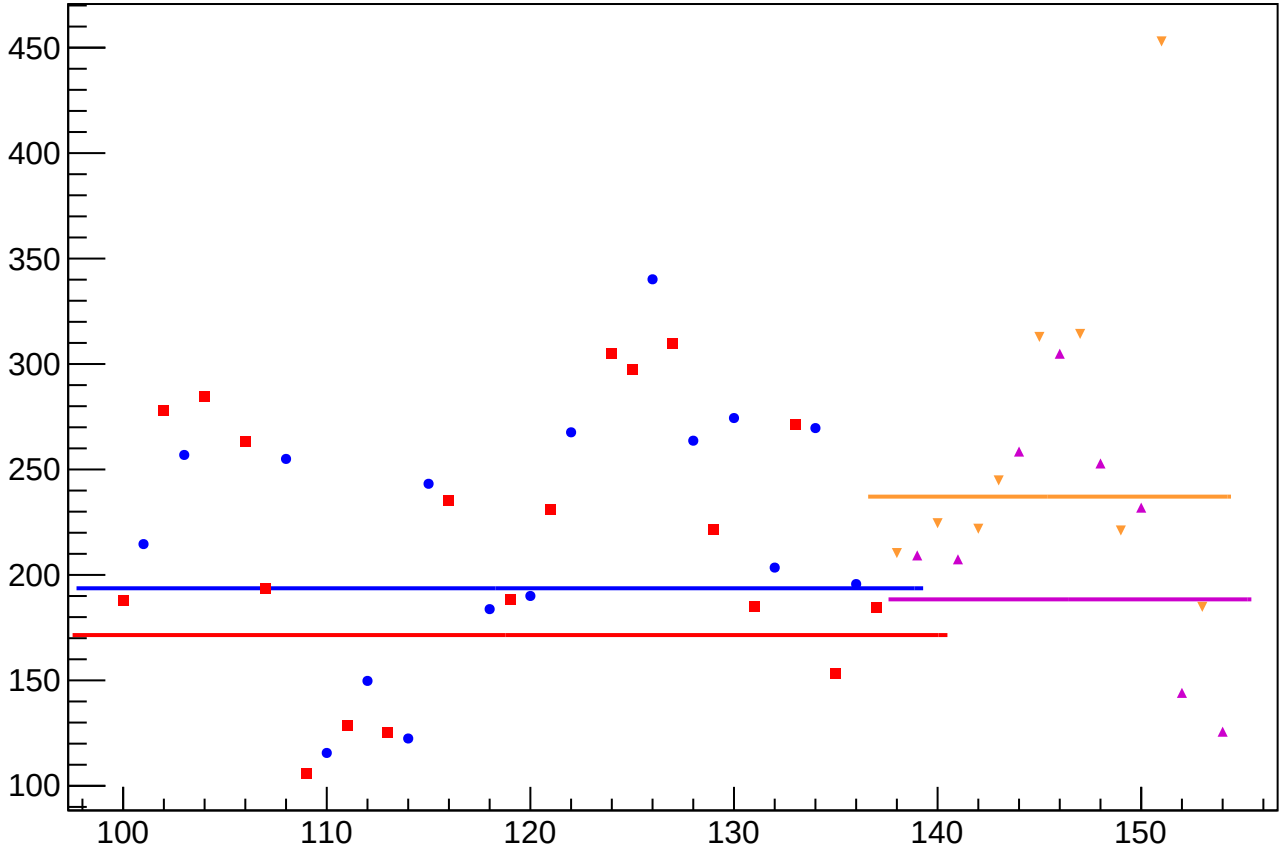
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 73.314+/-54.258 χ^2/NDF:22.7/23

Out: -15.584+/-55.009 χ^2/NDF:26.6/27

All: 29.476+/-38.629 χ^2/NDF: 50.6/51

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: 188.410+/-0.055 χ^2/NDF:1093489.0/7

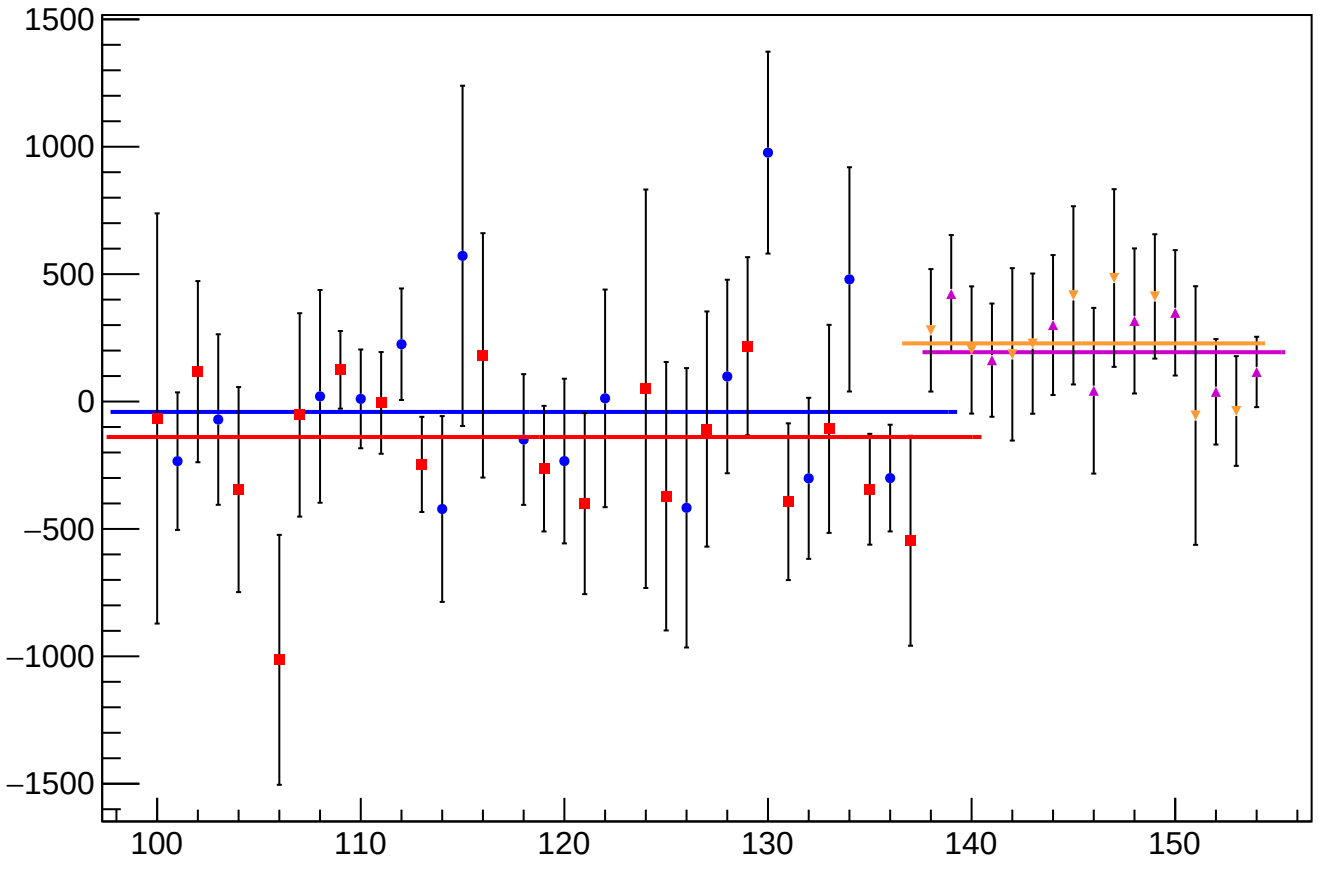
Left: 208.228+/-0.042 χ^2/NDF: 2137959.1/16

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 191.080+/-0.038 χ^2/NDF:2147959.5/23

Out: 194.269+/-0.039 χ^2/NDF:3019893.0/27

All: 192.653+/-0.027 χ^2/NDF: 5171260.2/51



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: 193.577+/-77.559 χ^2/NDF:2.8/7

Left: 207.682+/-59.741 χ^2/NDF: 6.2/16

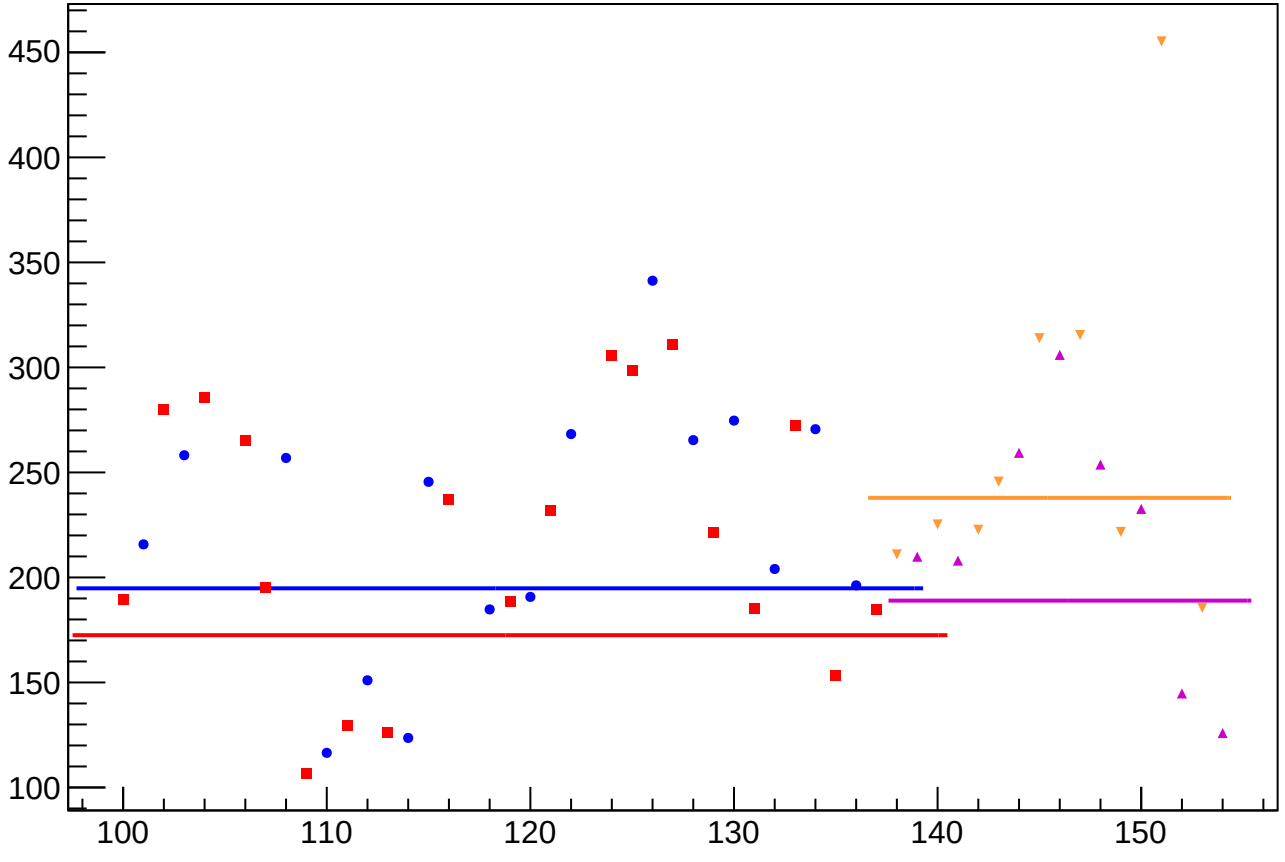
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 74.900+/-54.493 χ^2/NDF:22.8/23

Out: -11.337+/-55.273 χ^2/NDF:26.2/27

All: 32.395+/-38.805 χ^2/NDF: 50.3/51

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: 188.961+/-0.055 χ^2/NDF:1095647.8/7

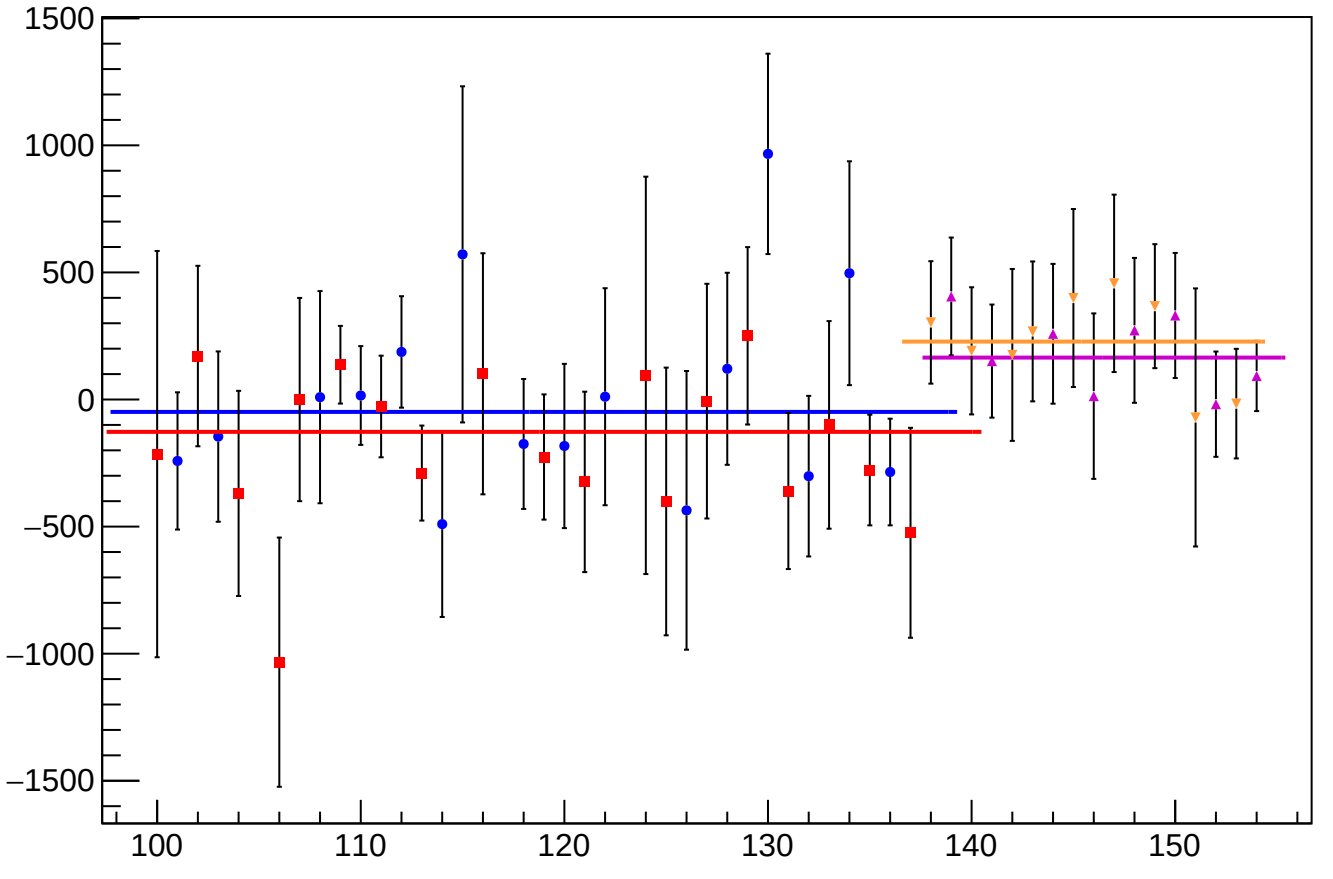
Left: 208.864+/-0.042 χ^2/NDF: 2142518.9/16

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 191.928+/-0.039 χ^2/NDF:2140522.5/23

Out: 195.272+/-0.039 χ^2/NDF:3000371.0/27

All: 193.576+/-0.027 χ^2/NDF: 5144606.5/51



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: 164.894+/-77.607 χ^2/NDF:3.1/7

Left: 190.490+/-59.786 χ^2/NDF: 6.1/16

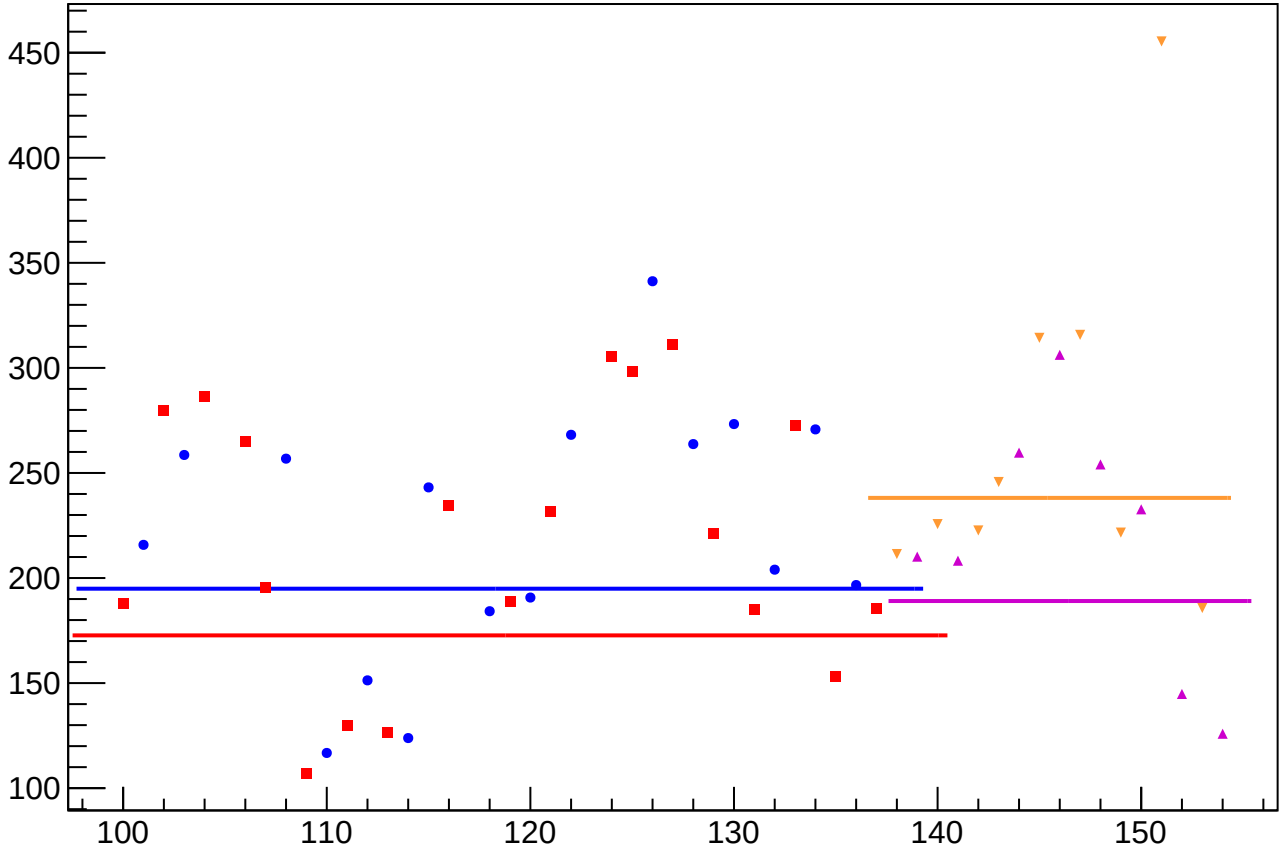
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 56.666+/-54.514 χ^2/NDF:22.3/23

Out: -3.668+/-55.316 χ^2/NDF:25.0/27

All: 26.939+/-38.828 χ^2/NDF: 47.9/51

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: 189.056+/-0.055 χ^2/NDF:1098796.8/7

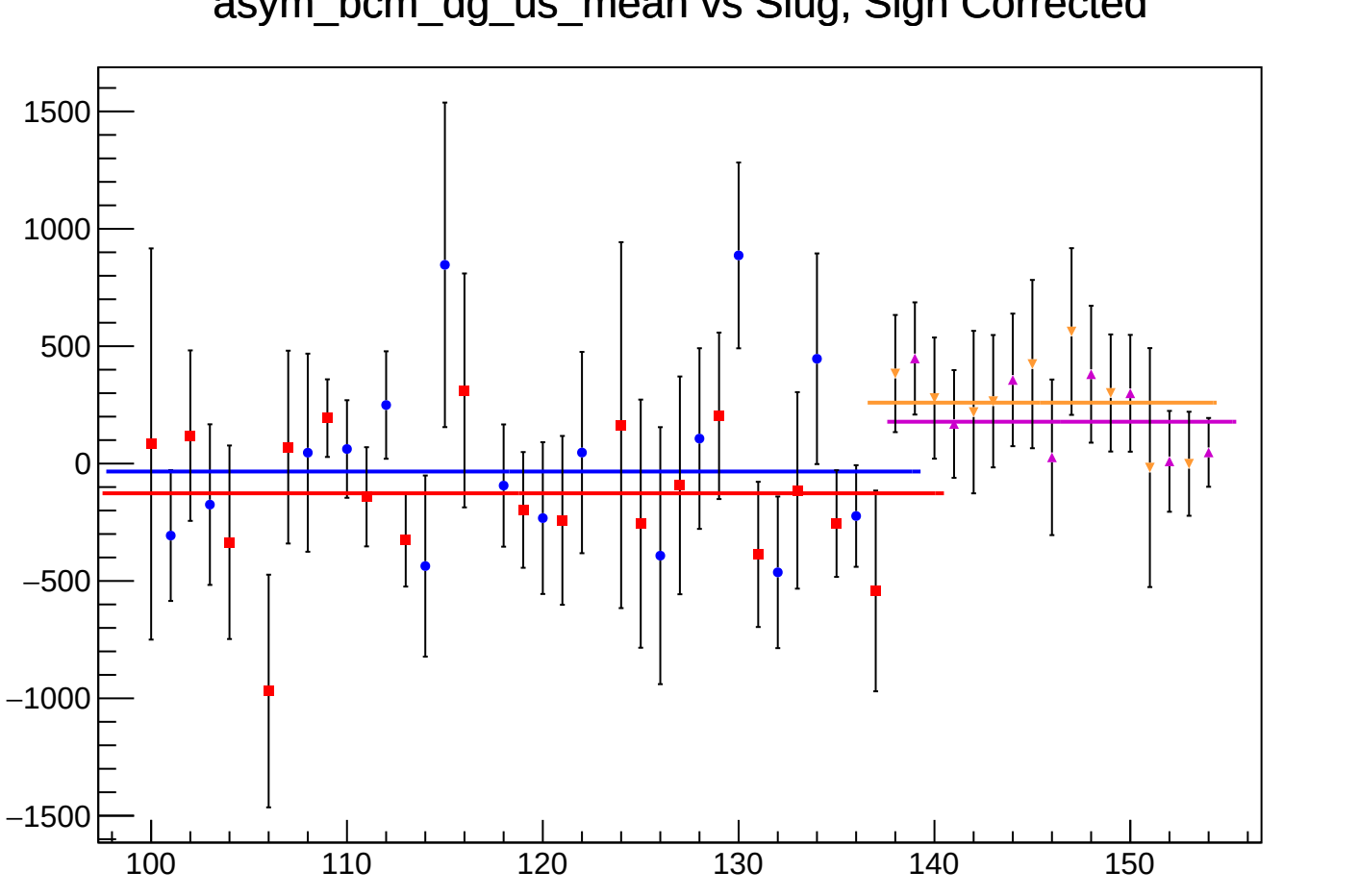
Left: 209.009+/-0.042 χ^2/NDF: 2146310.0/16

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 192.028+/-0.039 χ^2/NDF:2133487.6/23

Out: 195.475+/-0.039 χ^2/NDF:2988641.6/27

All: 193.726+/-0.027 χ^2/NDF: 5126069.4/51



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: 178.240+/-80.502 χ^2/NDF:4.0/7

Left: 211.715+/-61.742 χ^2/NDF: 7.3/16

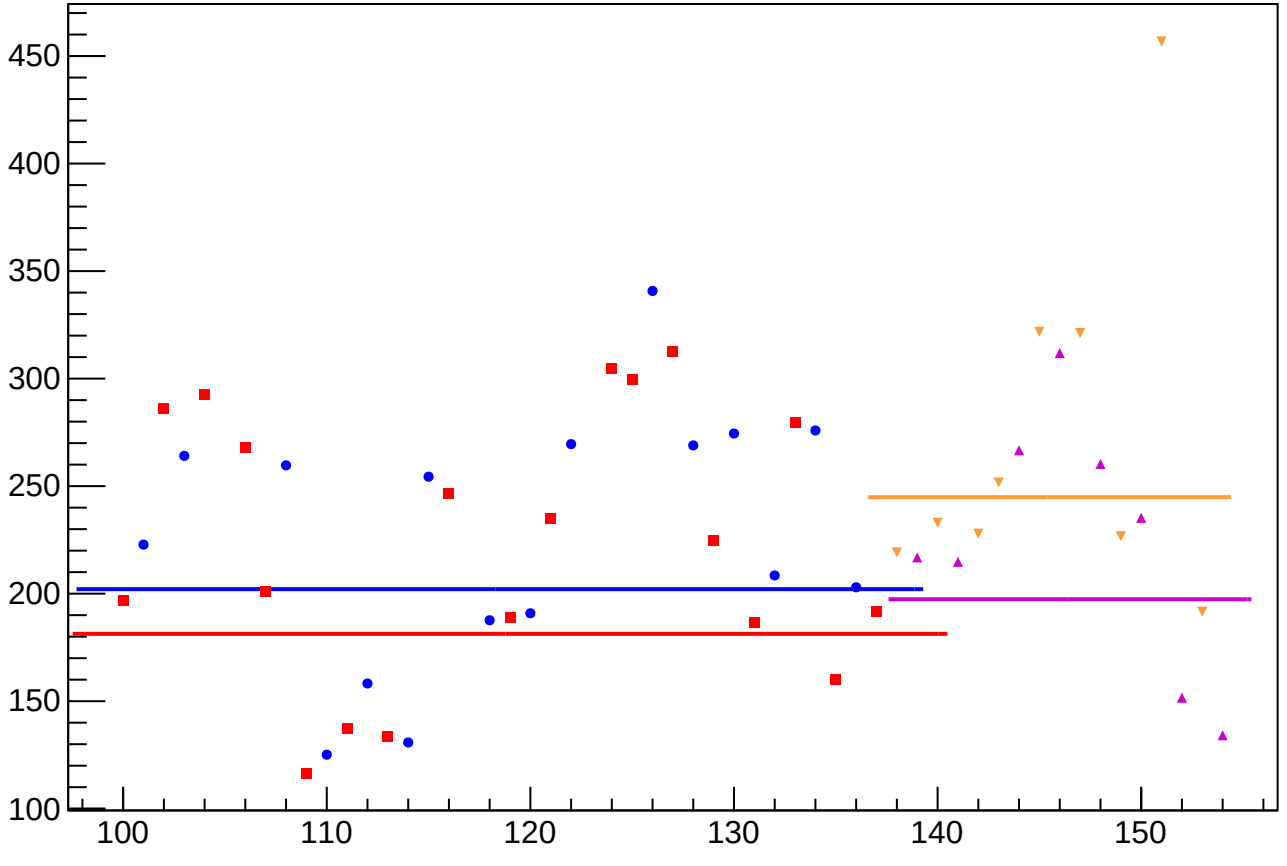
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 70.253+/-56.383 χ^2/NDF:23.3/23

Out: 10.321+/-57.291 χ^2/NDF:26.0/27

All: 40.765+/-40.186 χ^2/NDF: 49.8/51

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: 197.388+/-0.057 χ^2/NDF:986657.5/7

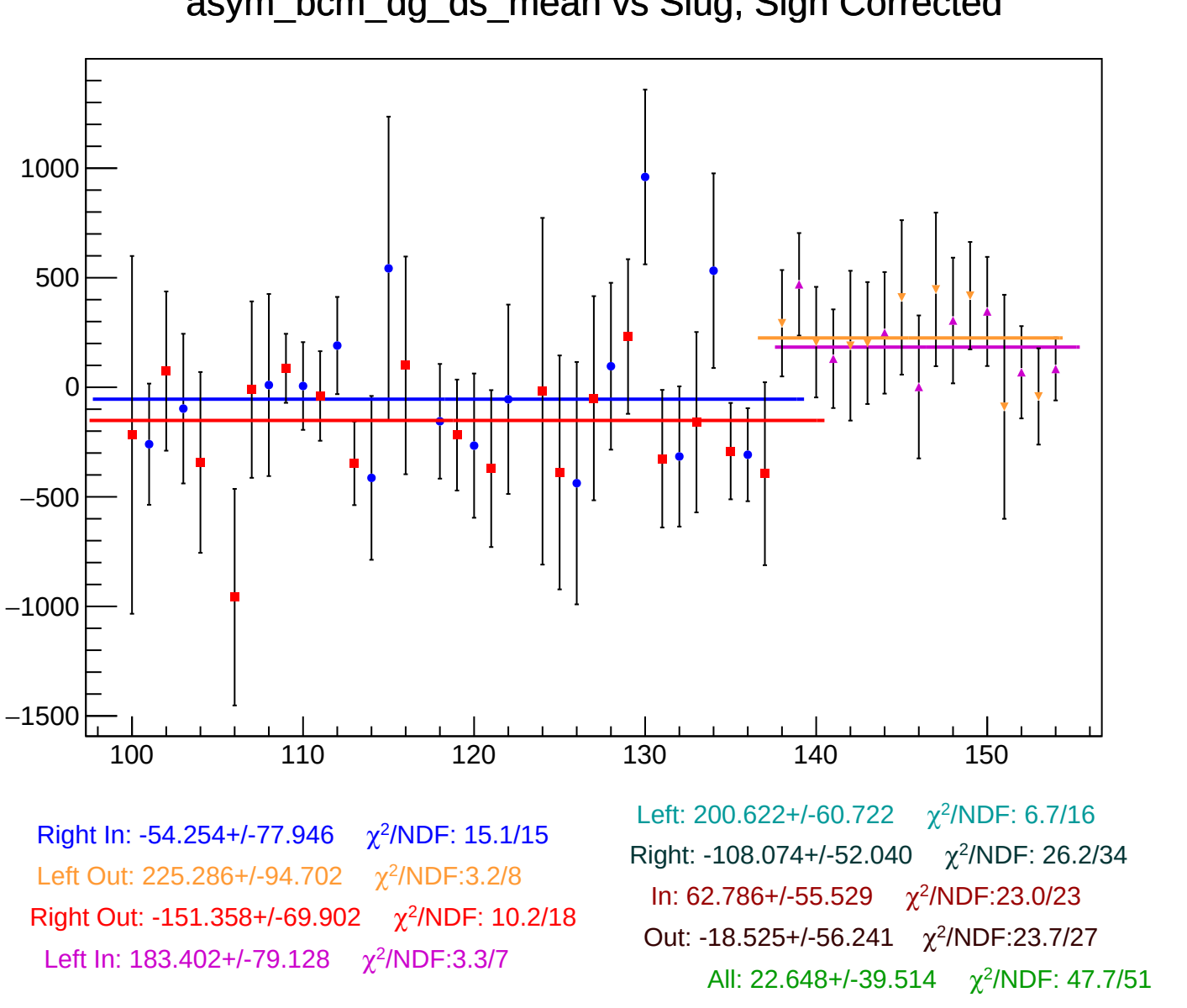
Left: 216.932+/-0.044 χ^2/NDF: 1961838.1/16

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

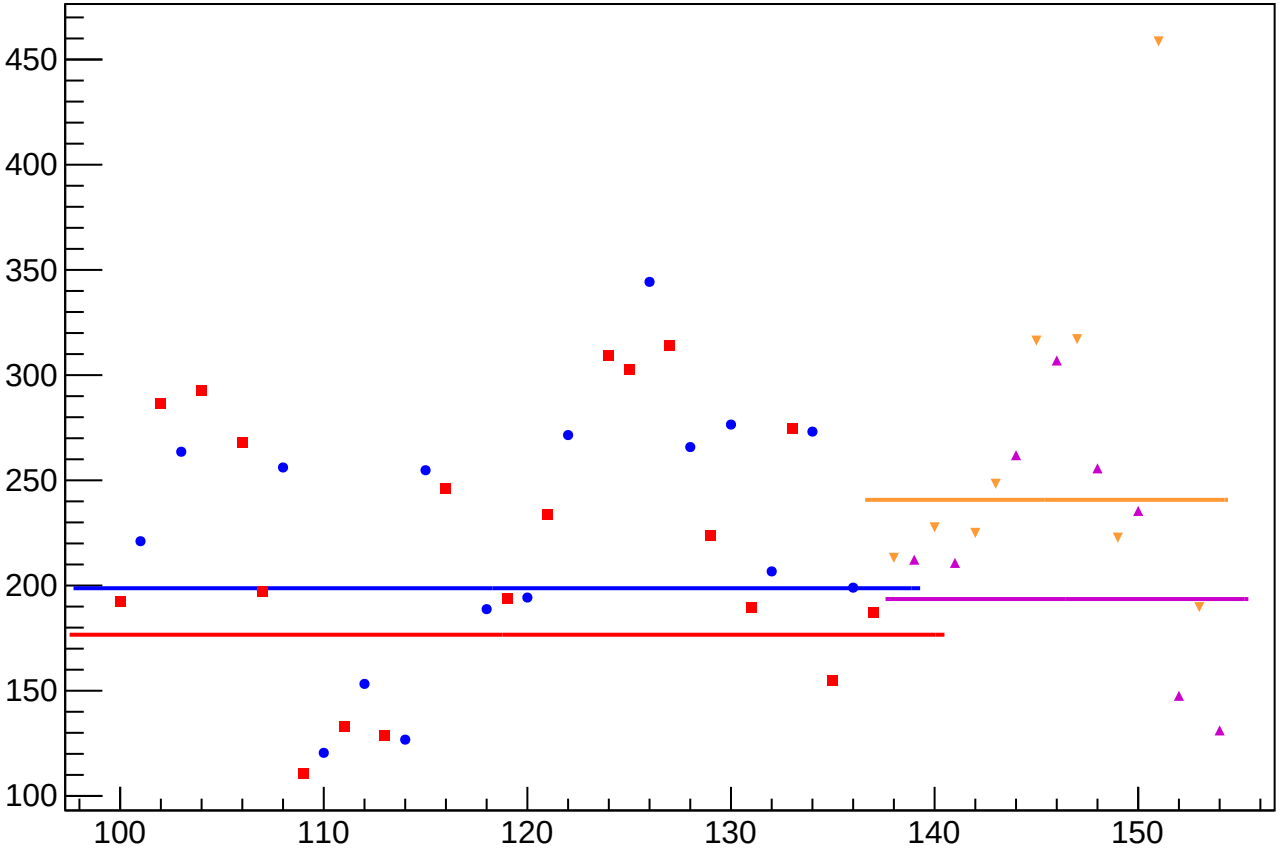
In: 199.783+/-0.040 χ^2/NDF:1900393.1/23

Out: 203.839+/-0.041 χ^2/NDF:2692857.6/27

All: 201.779+/-0.028 χ^2/NDF: 4598342.8/51


asym_bcm_dg_ds_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: -54.254+/-77.946 χ²/NDF: 15.1/15
Left Out: 225.286+/-94.702 χ²/NDF:3.2/8
Right Out: -151.358+/-69.902 χ²/NDF: 10.2/18
Left In: 183.402+/-79.128 χ²/NDF:3.3/7
Left: 200.622+/-60.722 χ²/NDF: 6.7/16
Right: -108.074+/-52.040 χ²/NDF: 26.2/34
In: 62.786+/-55.529 χ²/NDF:23.0/23
Out: -18.525+/-56.241 χ²/NDF:23.7/27
All: 22.648+/-39.514 χ²/NDF: 47.7/51

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: 193.584+/-0.056 χ^2/NDF:1011216.2/7

Left: 212.968+/-0.043 χ^2/NDF: 2008705.6/16

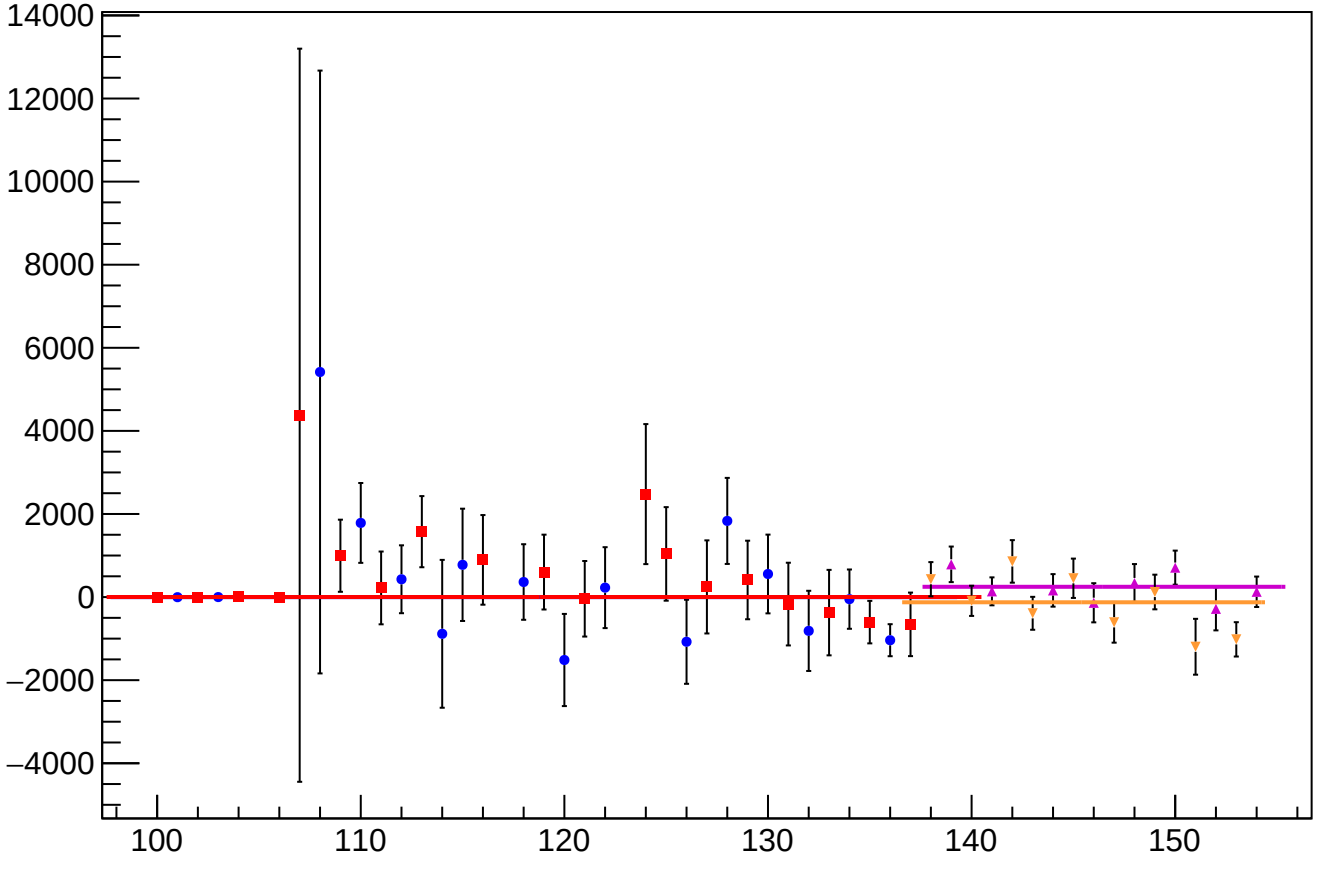
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 196.190+/-0.039 χ^2/NDF:2009559.4/23

Out: 199.232+/-0.040 χ^2/NDF:2894601.6/27

All: 197.692+/-0.028 χ^2/NDF: 4907124.4/51

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: 247.586+/-145.423 χ^2/NDF:4.9/7

Left: 63.538+/-103.487 χ^2/NDF: 24.1/16

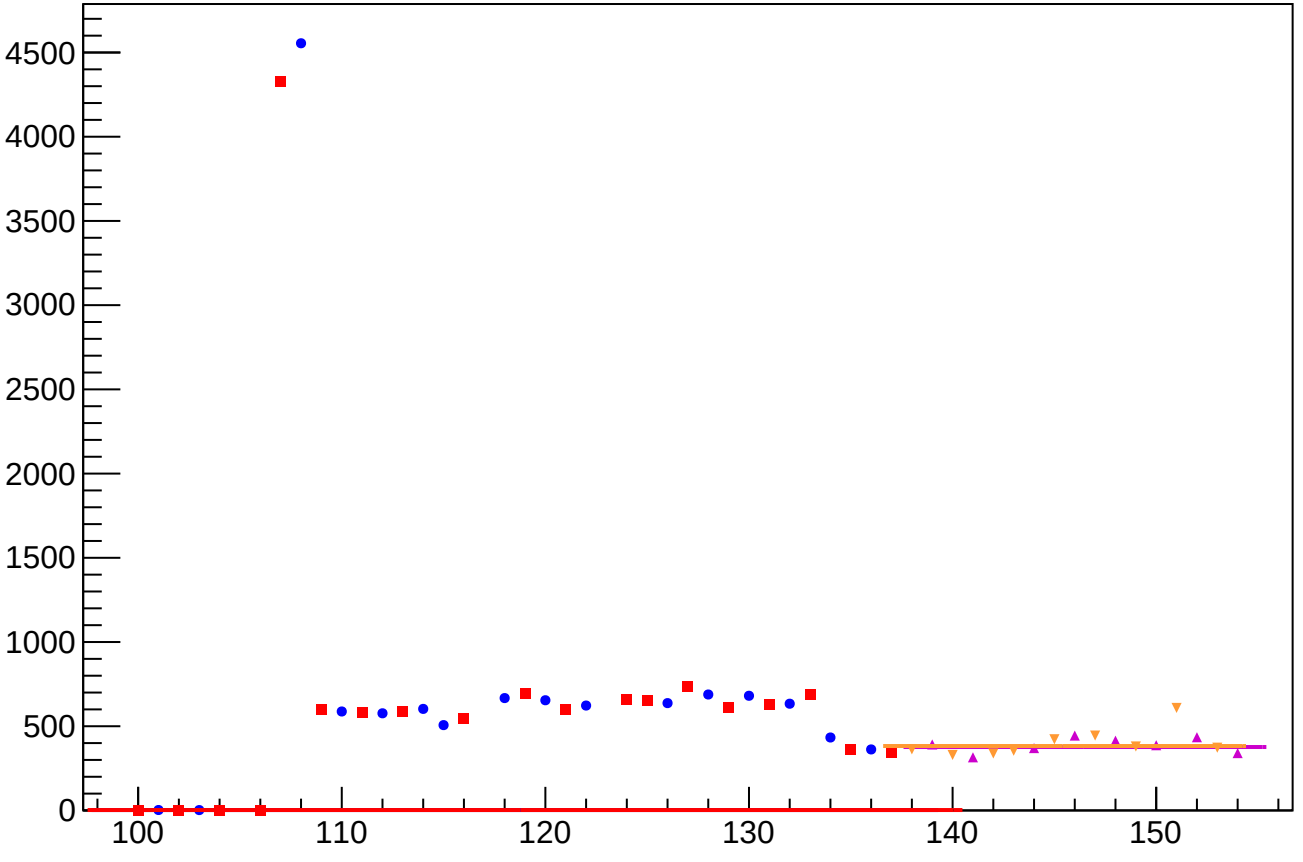
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.183+/-2.171 χ^2/NDF:27.7/23

Out: 1.353+/-2.022 χ^2/NDF:33.6/27

All: 0.175+/-1.480 χ^2/NDF: 62.0/51

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: 376.614+/-0.103 χ^2/NDF:170313.9/7

Left: 379.530+/-0.073 χ^2/NDF: 518191.7/16

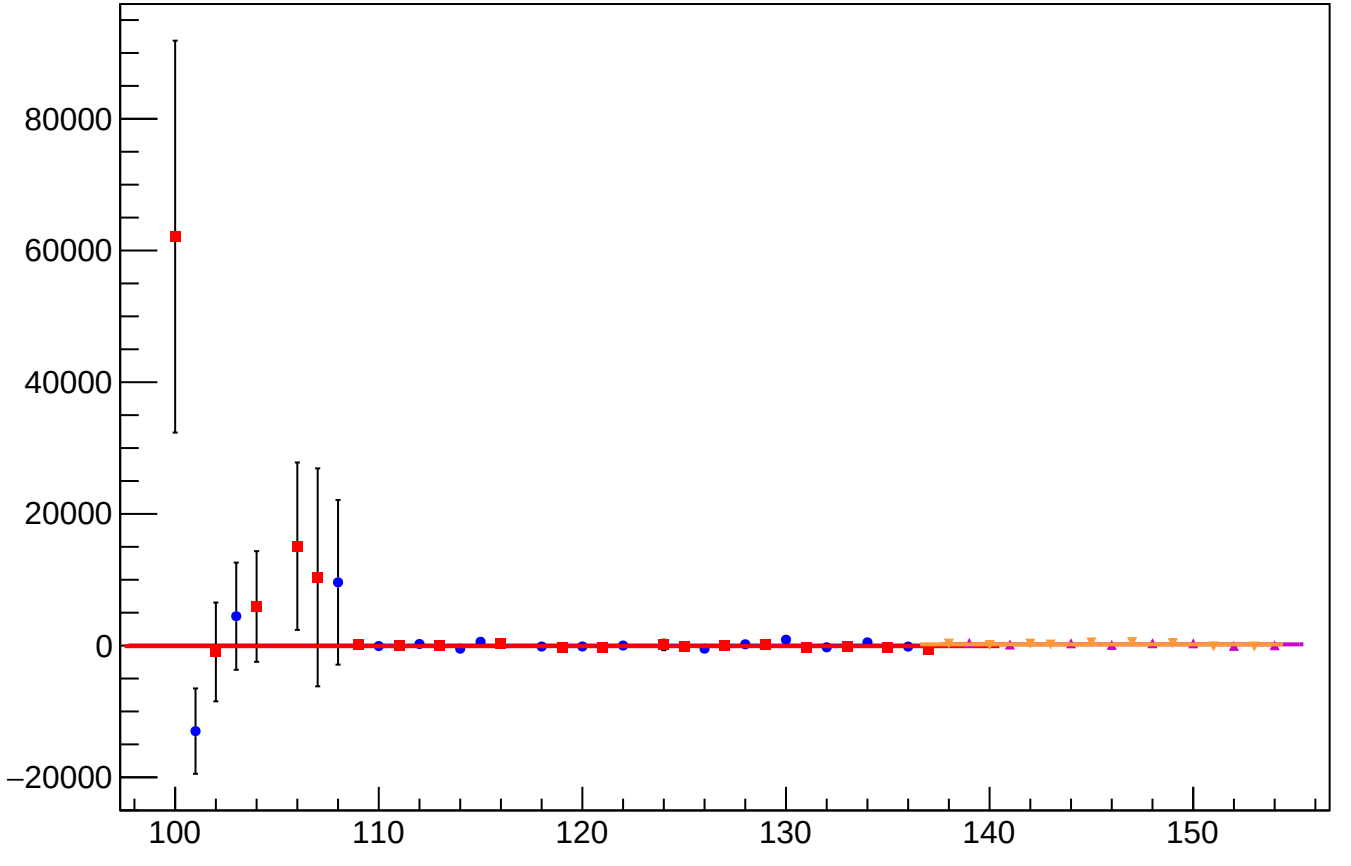
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.560+/-0.002 χ^2/NDF:25031653.9/23

Out: 2.534+/-0.001 χ^2/NDF:25203505.3/27

All: 2.546+/-0.001 χ^2/NDF: 50235315.9/51

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: 188.643+/-84.999 χ^2/NDF:3.6/7

Left: 189.637+/-64.843 χ^2/NDF: 8.3/16

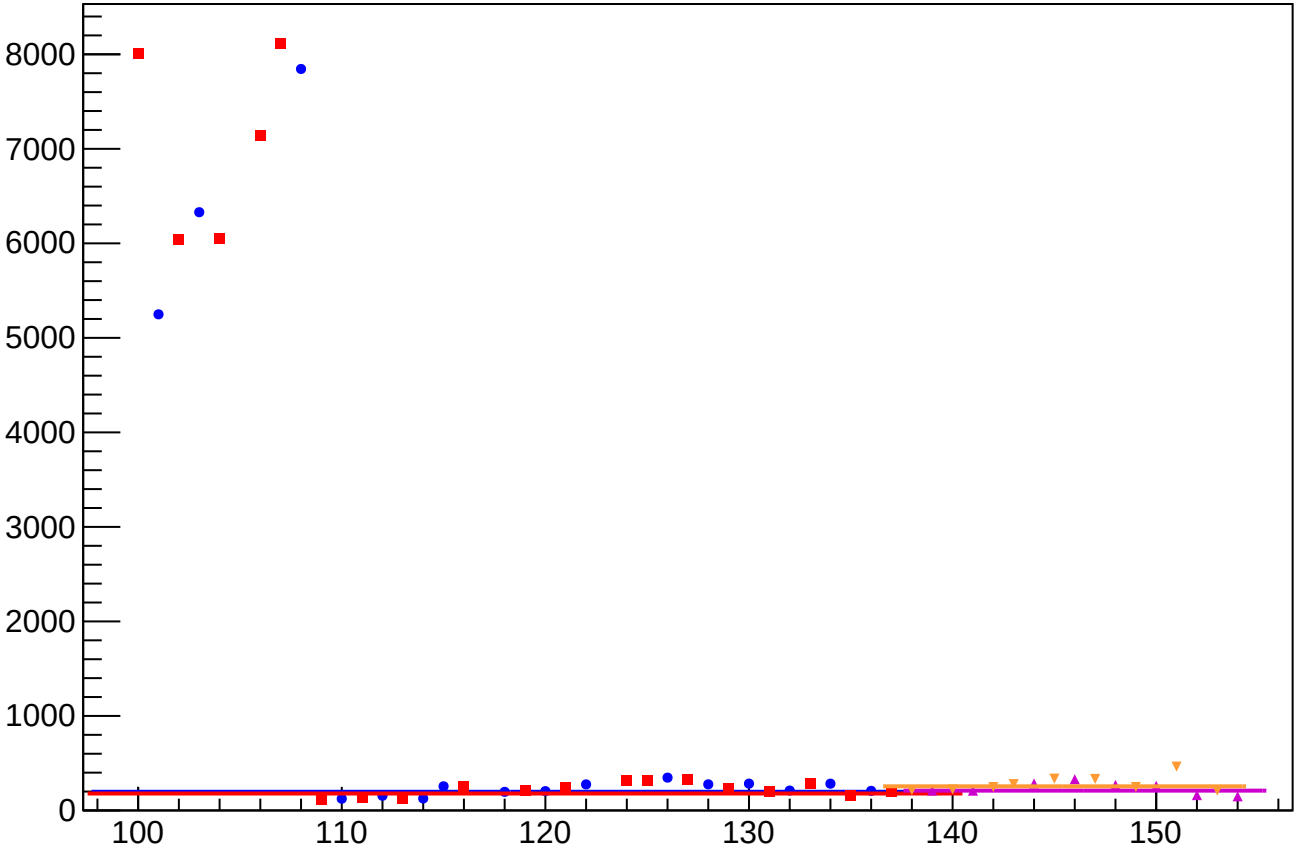
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 97.682+/-61.077 χ^2/NDF:22.8/23

Out: 23.095+/-63.298 χ^2/NDF:24.2/27

All: 61.720+/-43.952 χ^2/NDF: 47.7/51

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: 209.695+/-0.060 χ^2/NDF:863998.9/7

Left: 228.760+/-0.046 χ^2/NDF: 1795939.0/16

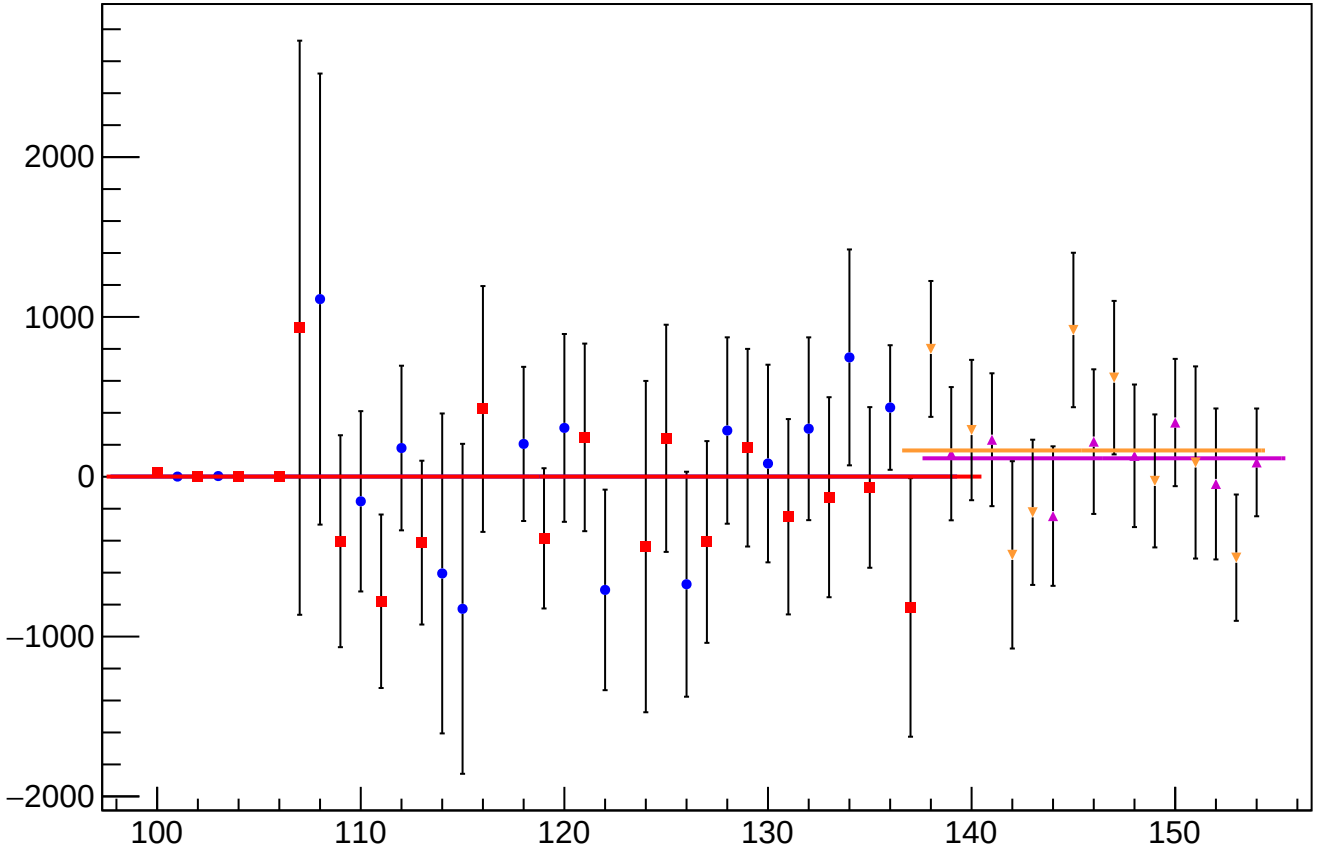
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 203.854+/-0.043 χ^2/NDF:4840713.1/23

Out: 209.546+/-0.045 χ^2/NDF:5801633.7/27

All: 206.598+/-0.031 χ^2/NDF: 10650719.9/51

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: 115.410+/-146.980 χ^2/NDF:1.3/7

Left: 138.801+/-106.399 χ^2/NDF: 12.0/16

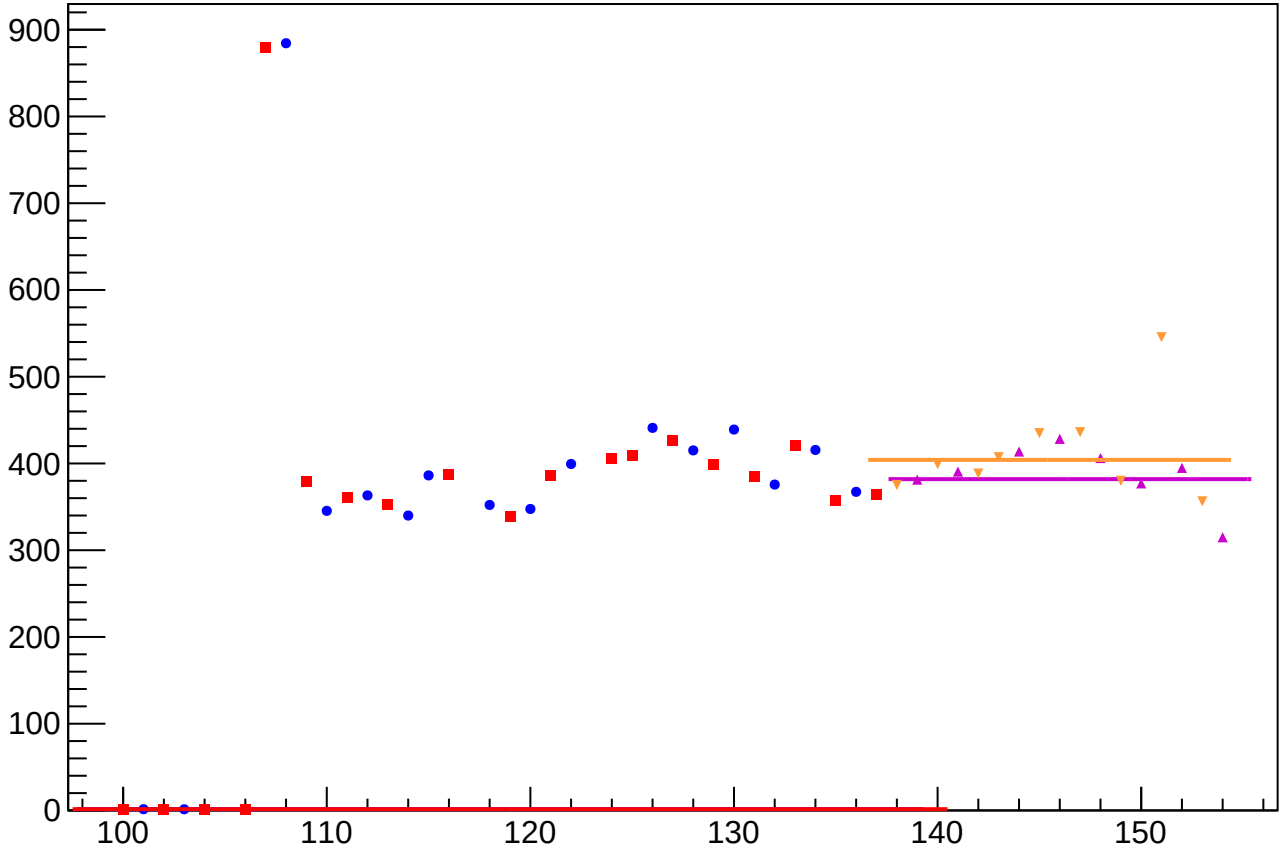
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.470+/-1.660 χ^2/NDF:9.7/23

Out: 1.110+/-1.528 χ^2/NDF:21.0/27

All: 1.275+/-1.124 χ^2/NDF: 30.8/51

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: 381.947+/-0.104 χ^2/NDF:119345.9/7

Left: 392.506+/-0.075 χ^2/NDF: 315560.0/16

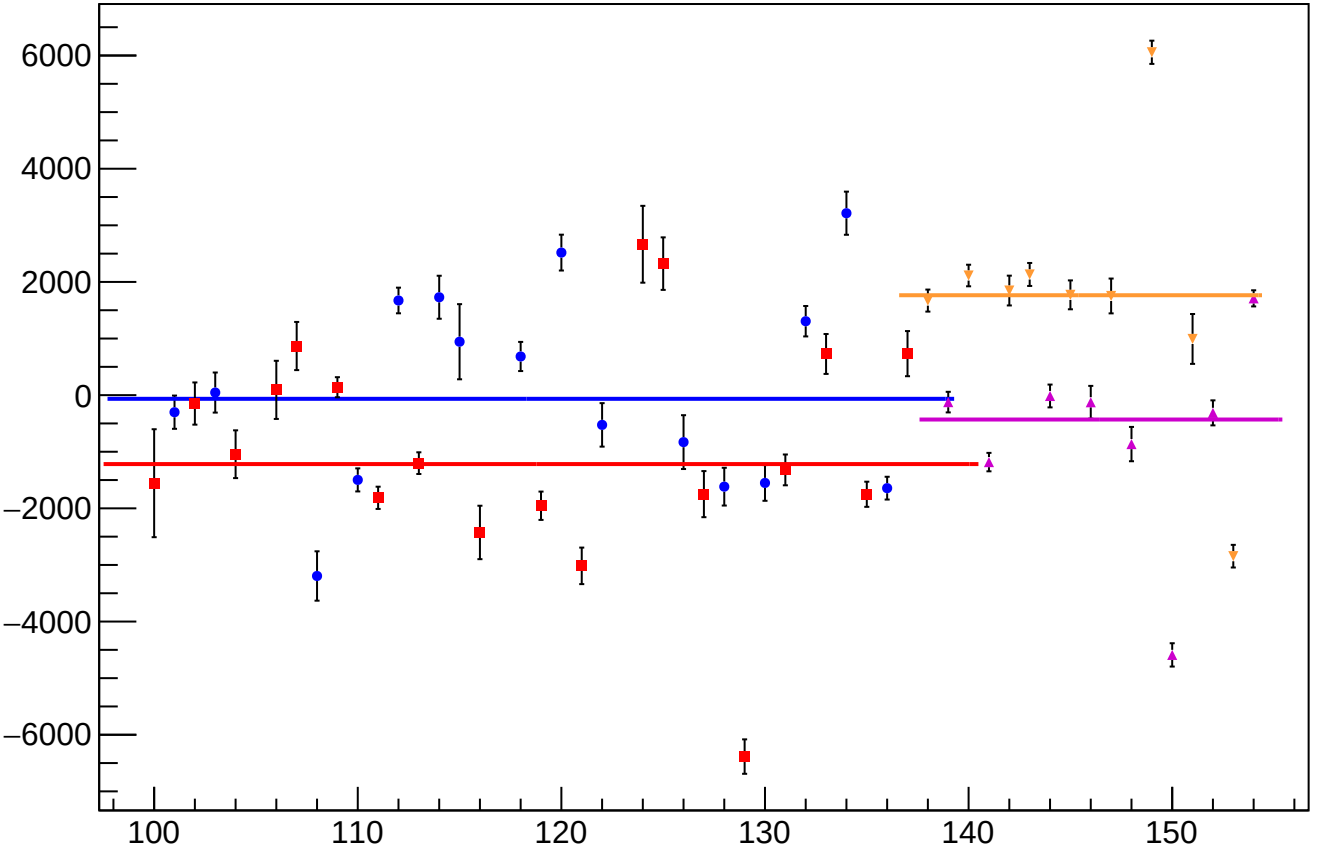
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.519+/-0.001 χ^2/NDF:25255008.4/23

Out: 1.507+/-0.001 χ^2/NDF:25077477.0/27

All: 1.512+/-0.001 χ^2/NDF: 50332542.5/51

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: -430.809+/-69.218 χ^2/NDF:665.3/7

Left: 562.621+/-51.221 χ^2/NDF: 2099.1/16

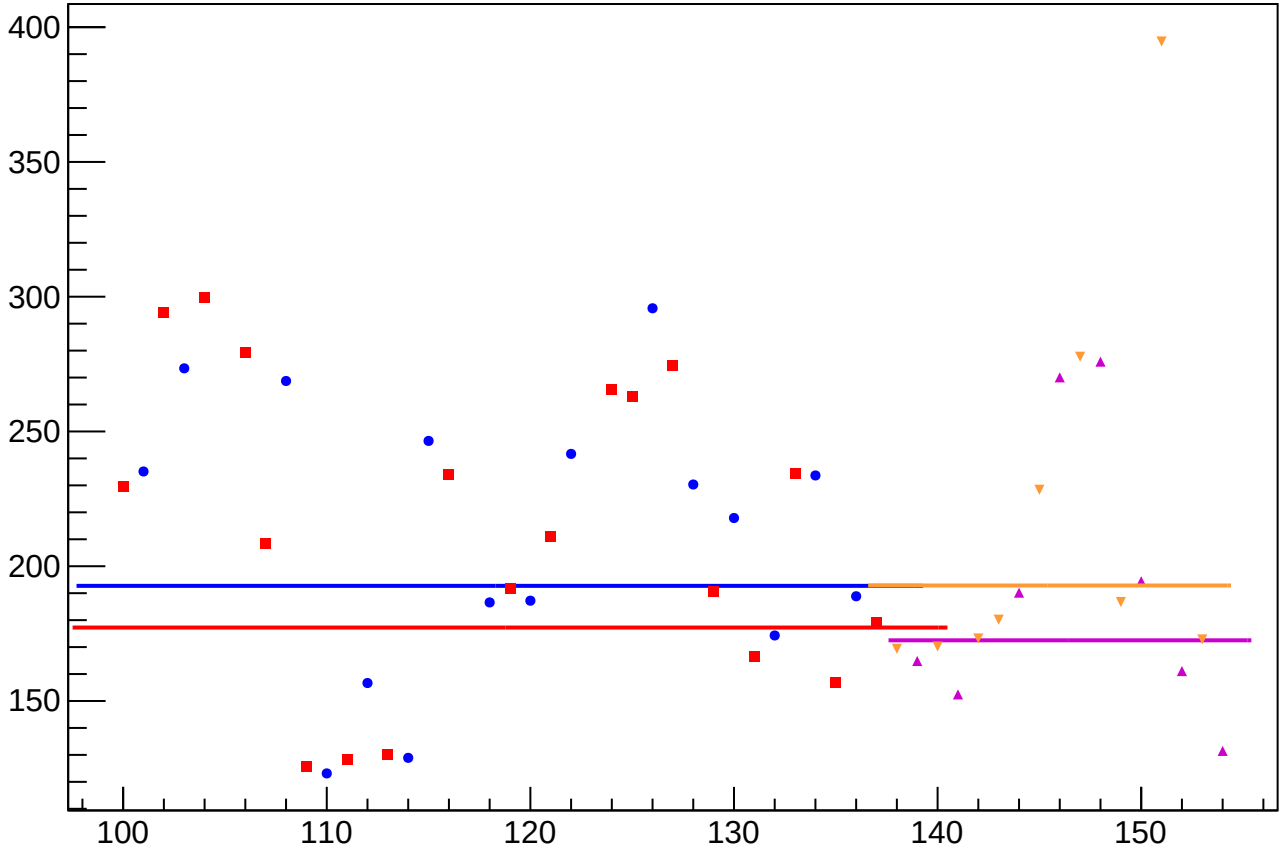
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -262.288+/-50.833 χ^2/NDF:1147.6/23

Out: 127.460+/-51.141 χ^2/NDF:2415.5/27

All: -68.590+/-36.053 χ^2/NDF: 3592.3/51

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: 172.513+/-0.049 χ^2/NDF:703639.8/7

Left: 181.716+/-0.036 χ^2/NDF: 1490814.3/16

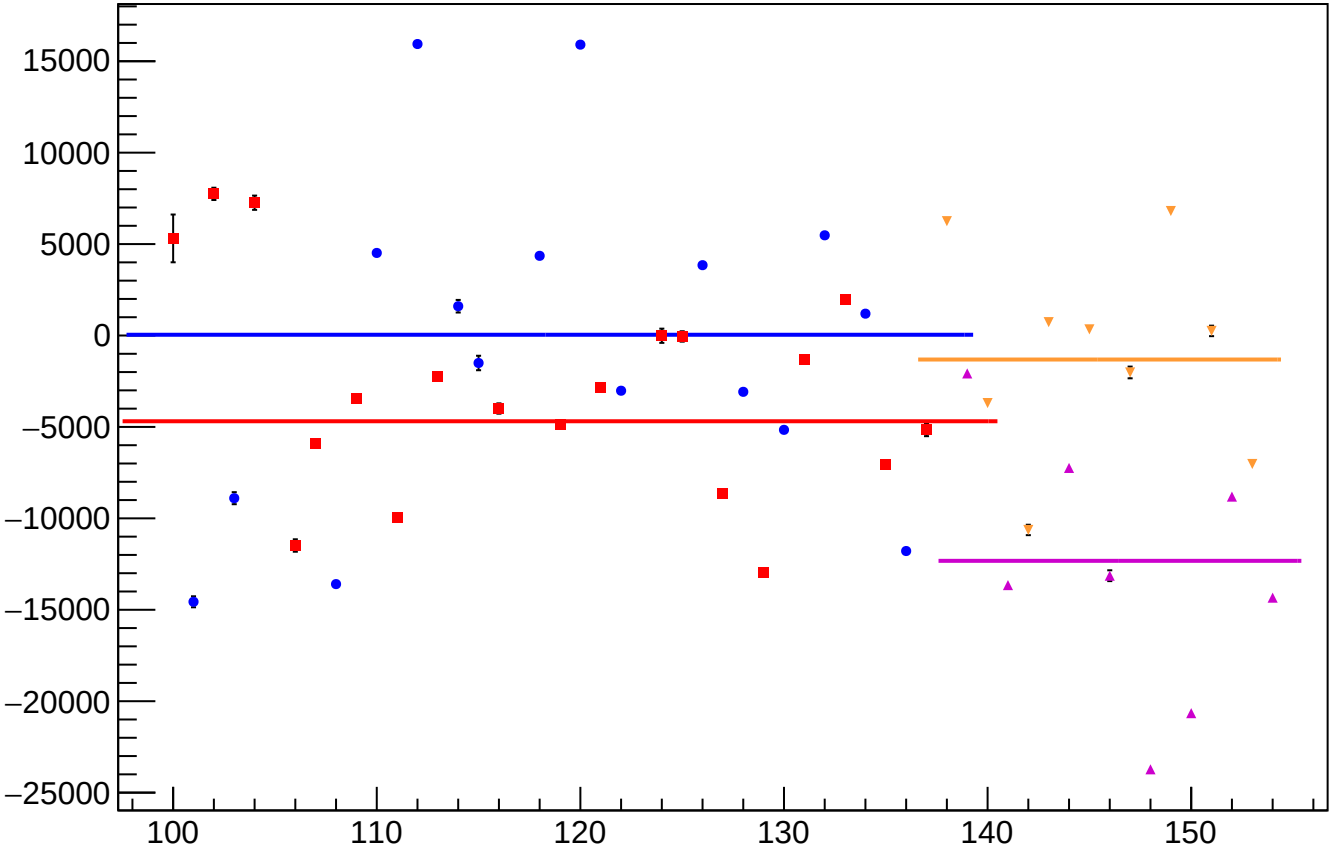
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 181.821+/-0.036 χ^2/NDF:1541301.9/23

Out: 184.289+/-0.036 χ^2/NDF:1981303.4/27

All: 183.048+/-0.025 χ^2/NDF: 3524948.0/51

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: -12323.323+/-73.568 χ^2/NDF:7280.5/7

Left: -6824.446+/-52.049 χ^2/NDF: 24255.5/16

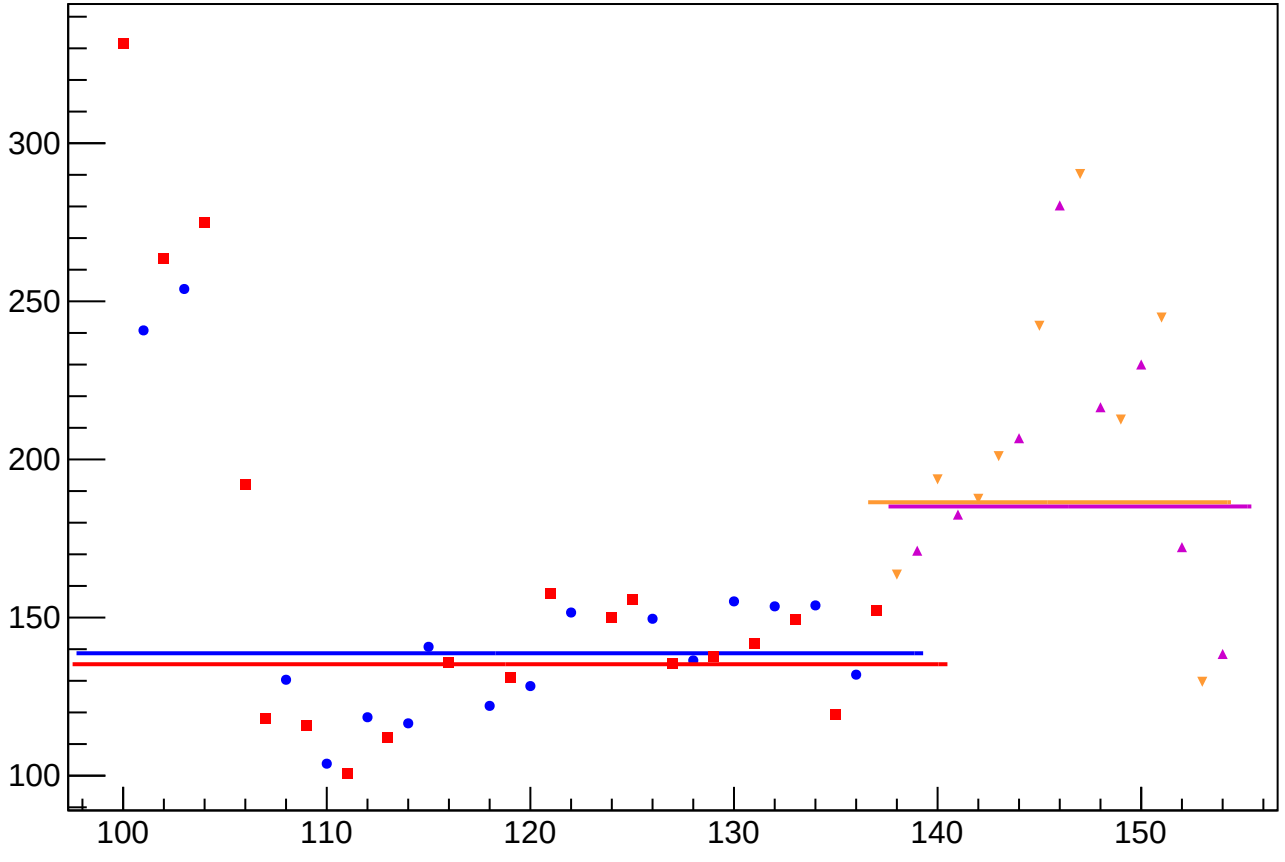
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4308.919+/-43.636 χ^2/NDF:56375.7/23

Out: -3563.796+/-42.531 χ^2/NDF:14985.3/27

All: -3926.804+/-30.457 χ^2/NDF: 71510.5/51

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: 185.132+/-0.052 χ^2/NDF:539443.4/7

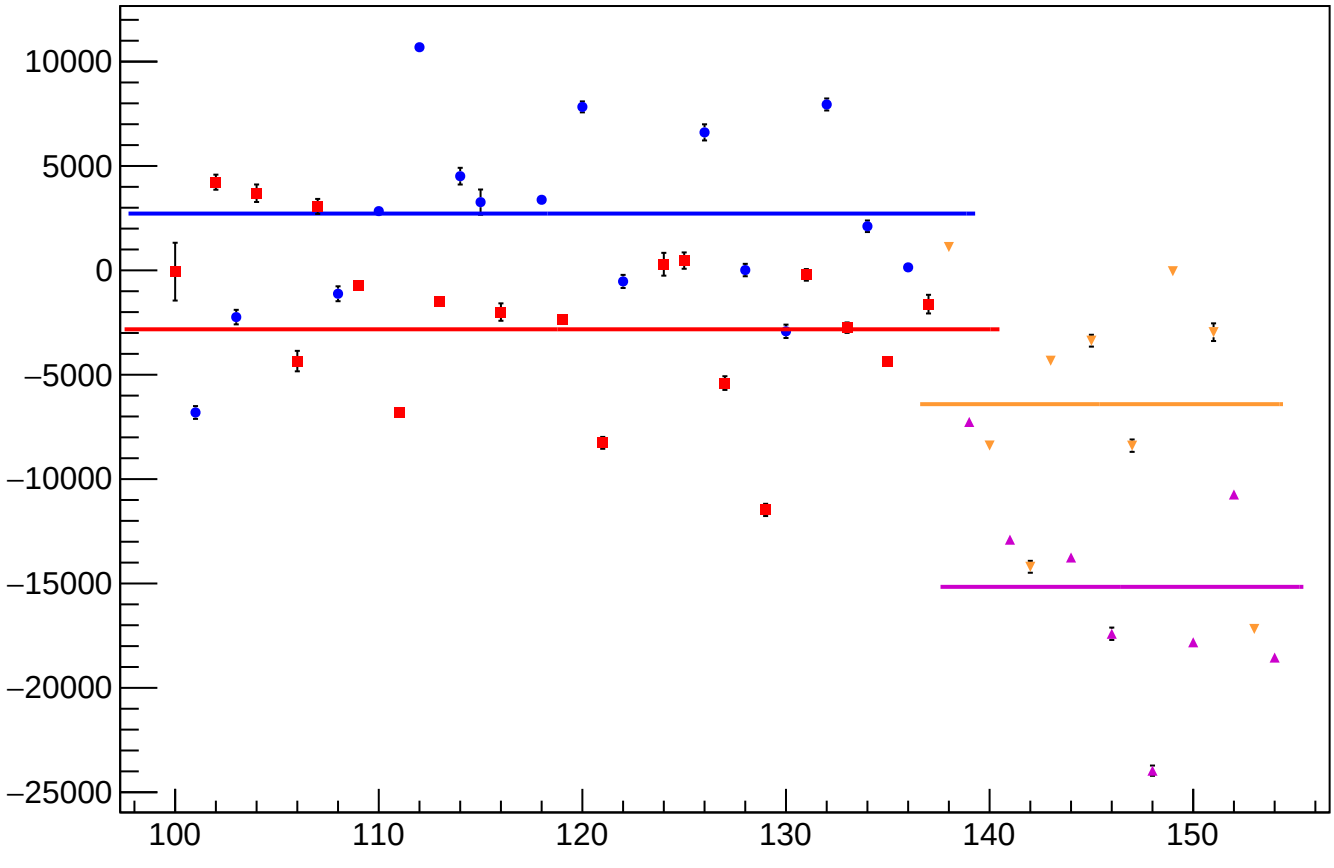
Left: 185.798+/-0.037 χ^2/NDF: 1294309.9/16

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.043+/-0.031 χ^2/NDF:1713378.3/23

Out: 152.326+/-0.030 χ^2/NDF:2289310.4/27

All: 153.650+/-0.022 χ^2/NDF: 4006664.4/51



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: -15160.865+/-73.792 χ^2/NDF:4110.4/7

Left: -11177.241+/-54.465 χ^2/NDF: 16780.4/16

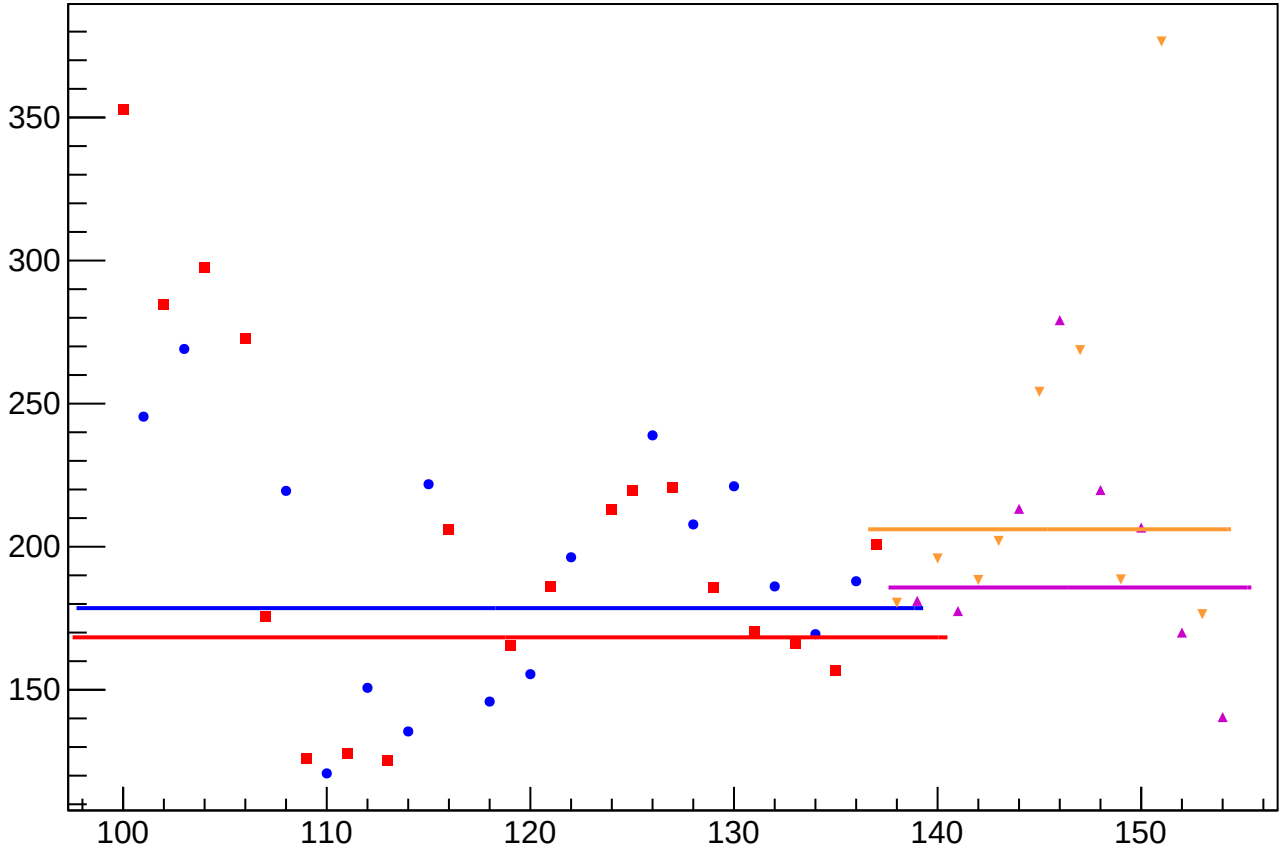
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5652.907+/-50.495 χ^2/NDF:39461.3/23

Out: -4230.257+/-50.557 χ^2/NDF:10530.2/27

All: -4942.450+/-35.727 χ^2/NDF: 50387.9/51

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: 185.758+/-0.052 χ^2/NDF:476748.5/7

Left: 195.015+/-0.039 χ^2/NDF: 1116830.9/16

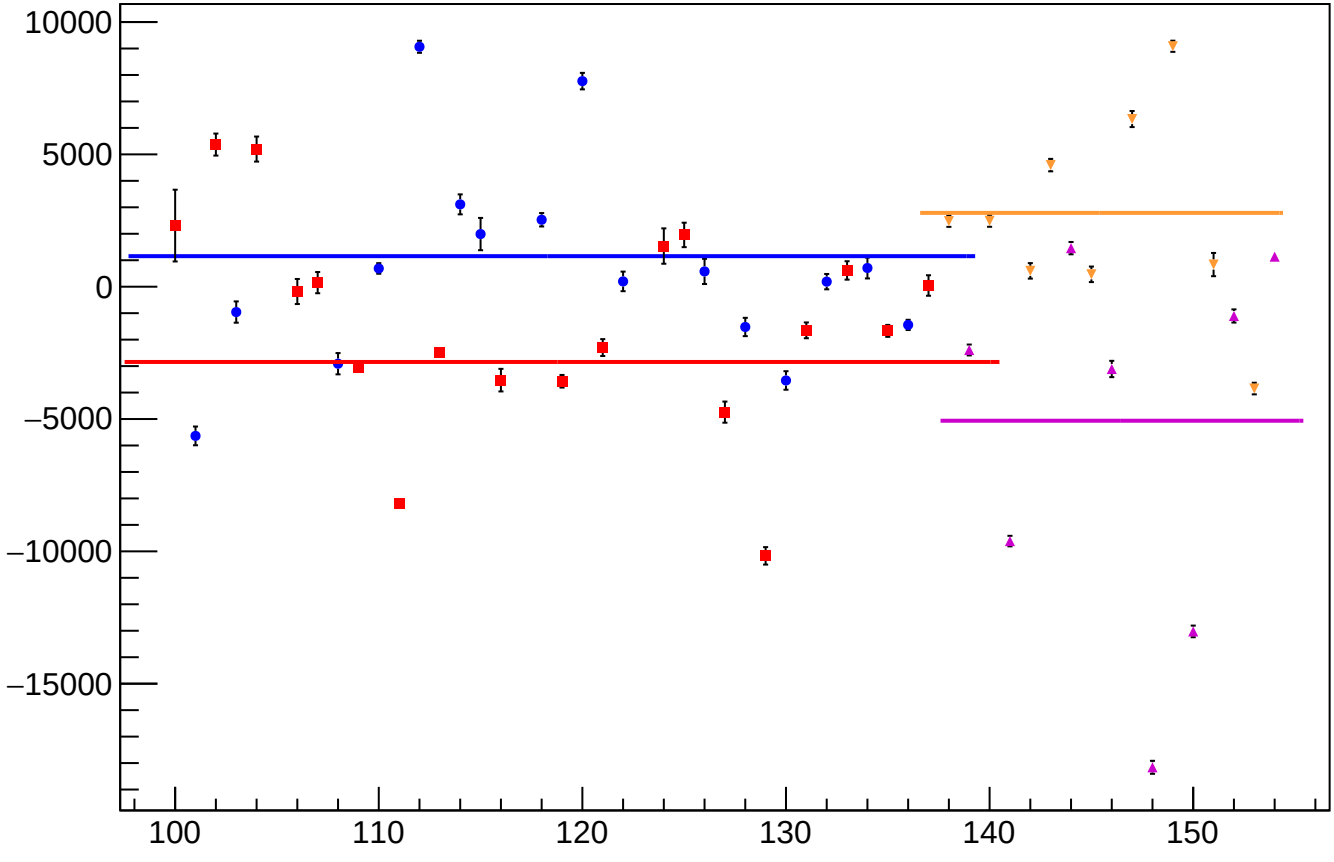
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.921+/-0.036 χ^2/NDF:1161487.8/23

Out: 183.145+/-0.036 χ^2/NDF:1816366.0/27

All: 182.532+/-0.025 χ^2/NDF: 2978440.7/51

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: -5064.329+/-77.114 χ^2/NDF:7340.4/7

Left: -1473.316+/-56.811 χ^2/NDF: 14222.3/16

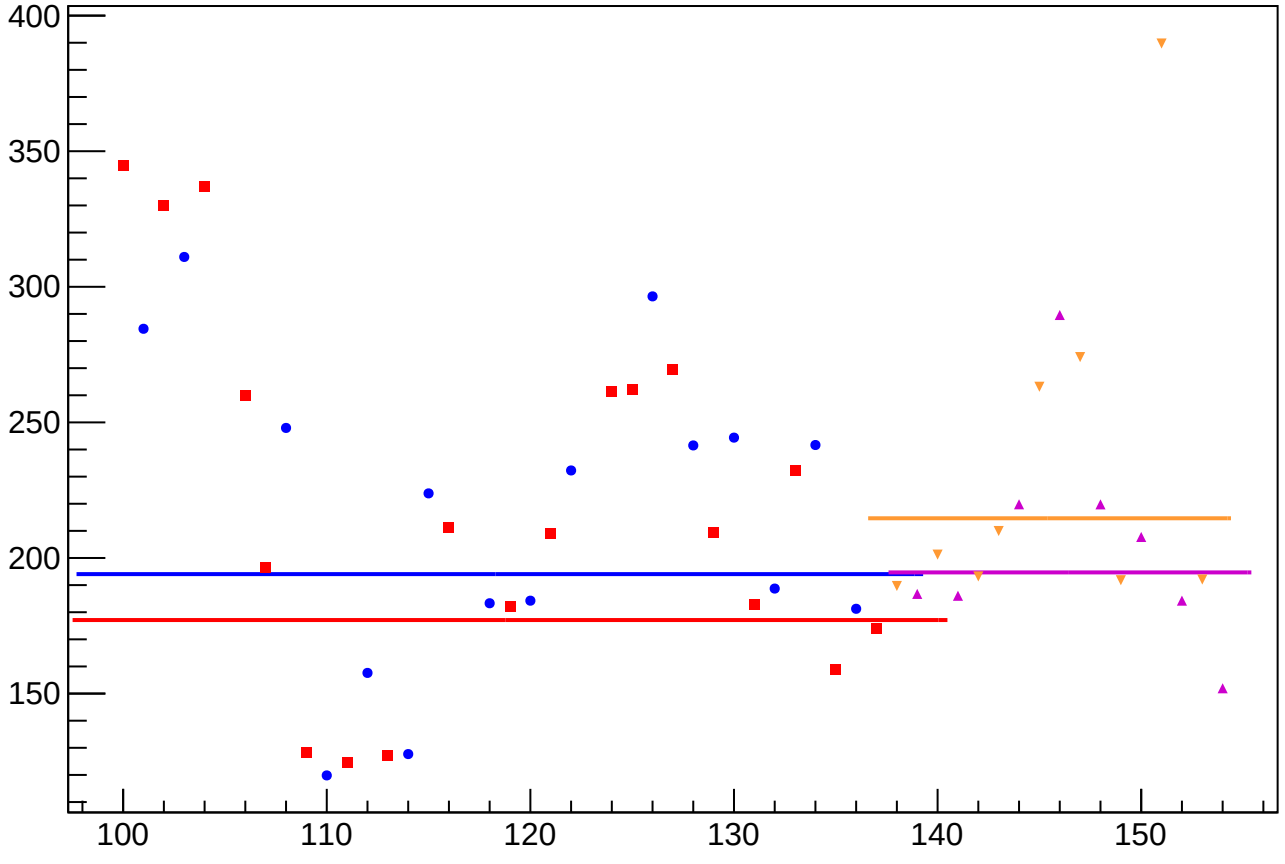
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1908.261+/-54.114 χ^2/NDF:13296.0/23

Out: -569.360+/-53.386 χ^2/NDF:7272.7/27

All: -1229.750+/-38.004 χ^2/NDF: 20879.0/51

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: 194.680+/-0.055 χ^2/NDF:386025.1/7

Left: 203.807+/-0.040 χ^2/NDF: 985732.6/16

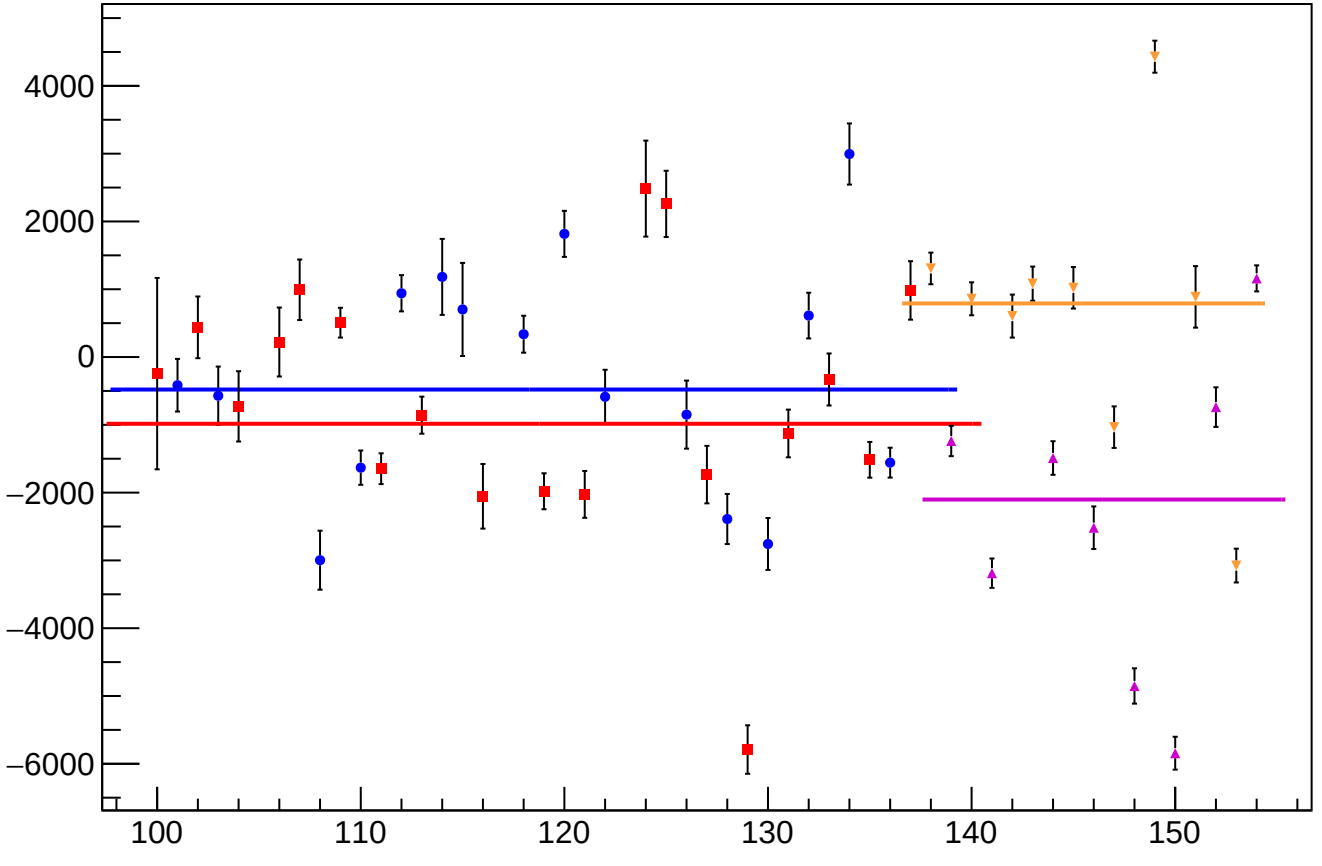
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.362+/-0.038 χ^2/NDF:1351878.4/23

Out: 192.267+/-0.038 χ^2/NDF:2135672.0/27

All: 193.300+/-0.027 χ^2/NDF: 3489069.7/51

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: -2101.997+/-85.033 χ^2/NDF:707.6/7

Left: -750.895+/-62.074 χ^2/NDF: 1769.1/16

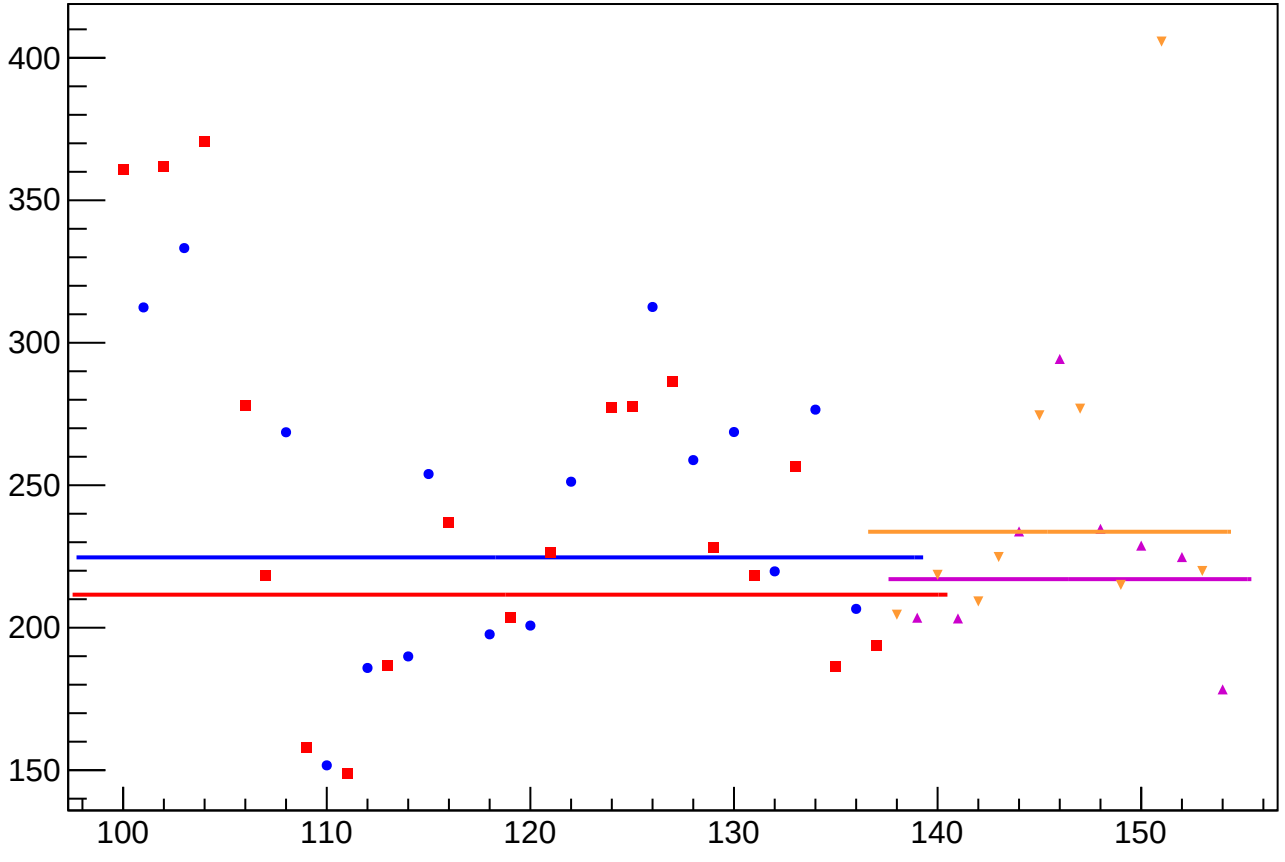
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1306.263+/-60.703 χ^2/NDF:1191.6/23

Out: -198.737+/-60.429 χ^2/NDF:1132.0/27

All: -749.995+/-42.826 χ^2/NDF: 2490.8/51

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: 217.041+/-0.060 χ^2/NDF:242203.9/7

Left: 224.813+/-0.044 χ^2/NDF: 712643.9/16

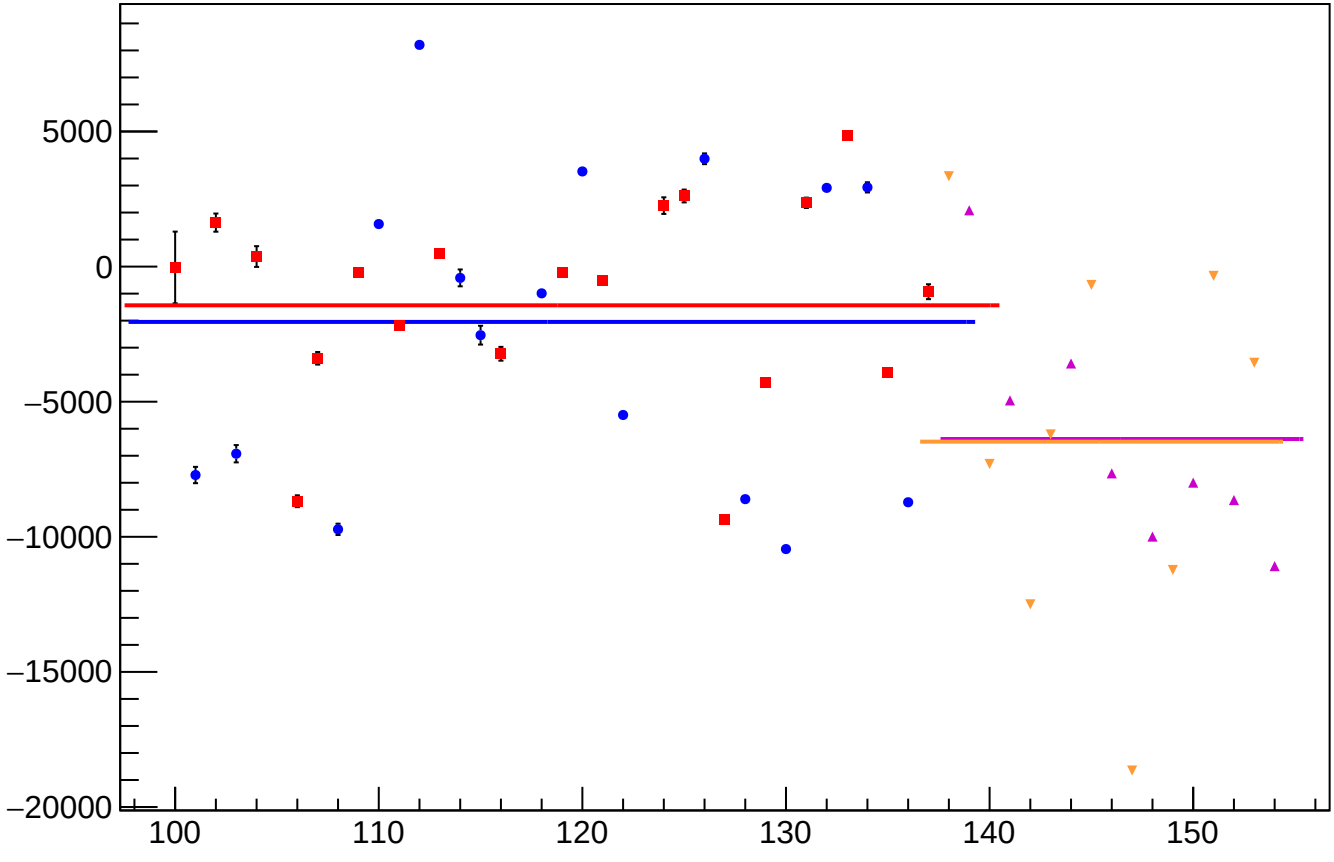
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 220.789+/-0.043 χ^2/NDF:903317.1/23

Out: 221.371+/-0.043 χ^2/NDF:1433480.4/27

All: 221.081+/-0.030 χ^2/NDF: 2336890.1/51

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: -6381.011+/-43.932 χ^2/NDF:7948.7/7

Left: -6430.636+/-30.766 χ^2/NDF: 31432.2/16

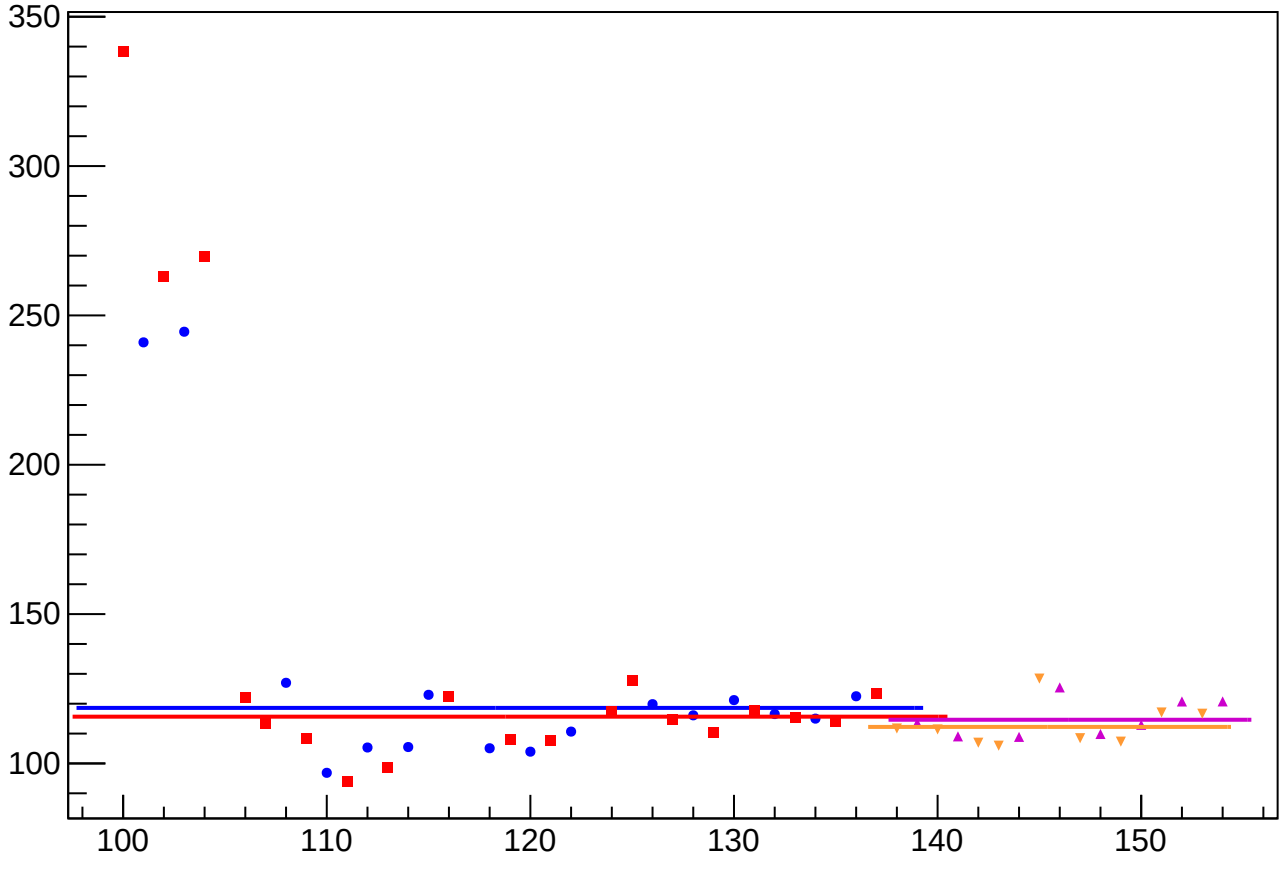
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4347.369+/-32.006 χ^2/NDF:29224.2/23

Out: -4049.300+/-31.036 χ^2/NDF:36467.0/27

All: -4193.750+/-22.280 χ^2/NDF: 65735.9/51

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: 114.625+/-0.031 χ^2/NDF:34818.4/7

Left: 113.404+/-0.022 χ^2/NDF: 81034.3/16

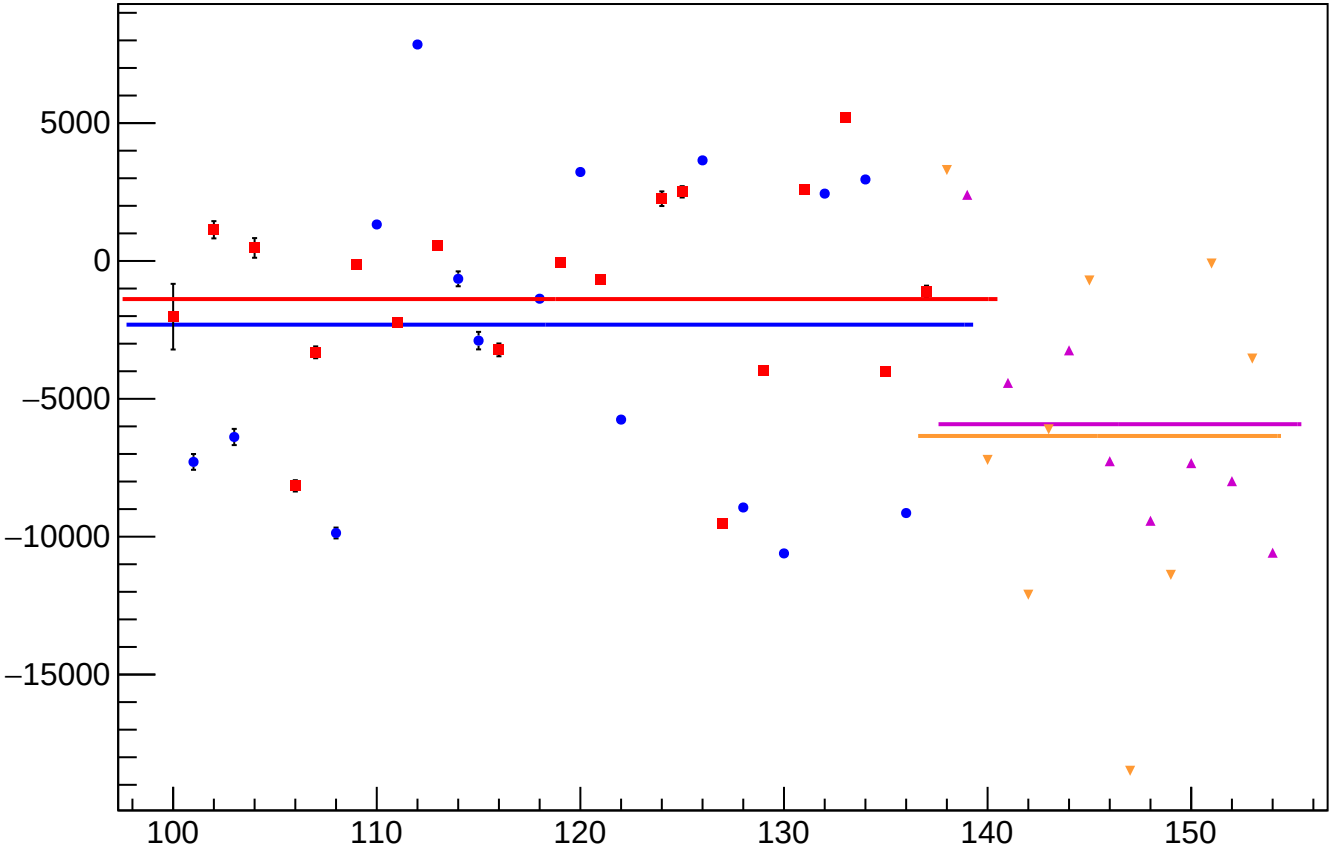
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.488+/-0.023 χ^2/NDF:776643.9/23

Out: 113.881+/-0.022 χ^2/NDF:913491.3/27

All: 115.144+/-0.016 χ^2/NDF: 1696978.3/51

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: -5920.470+/-39.729 χ^2/NDF:9531.0/7

Left: -6137.160+/-27.879 χ^2/NDF: 37605.7/16

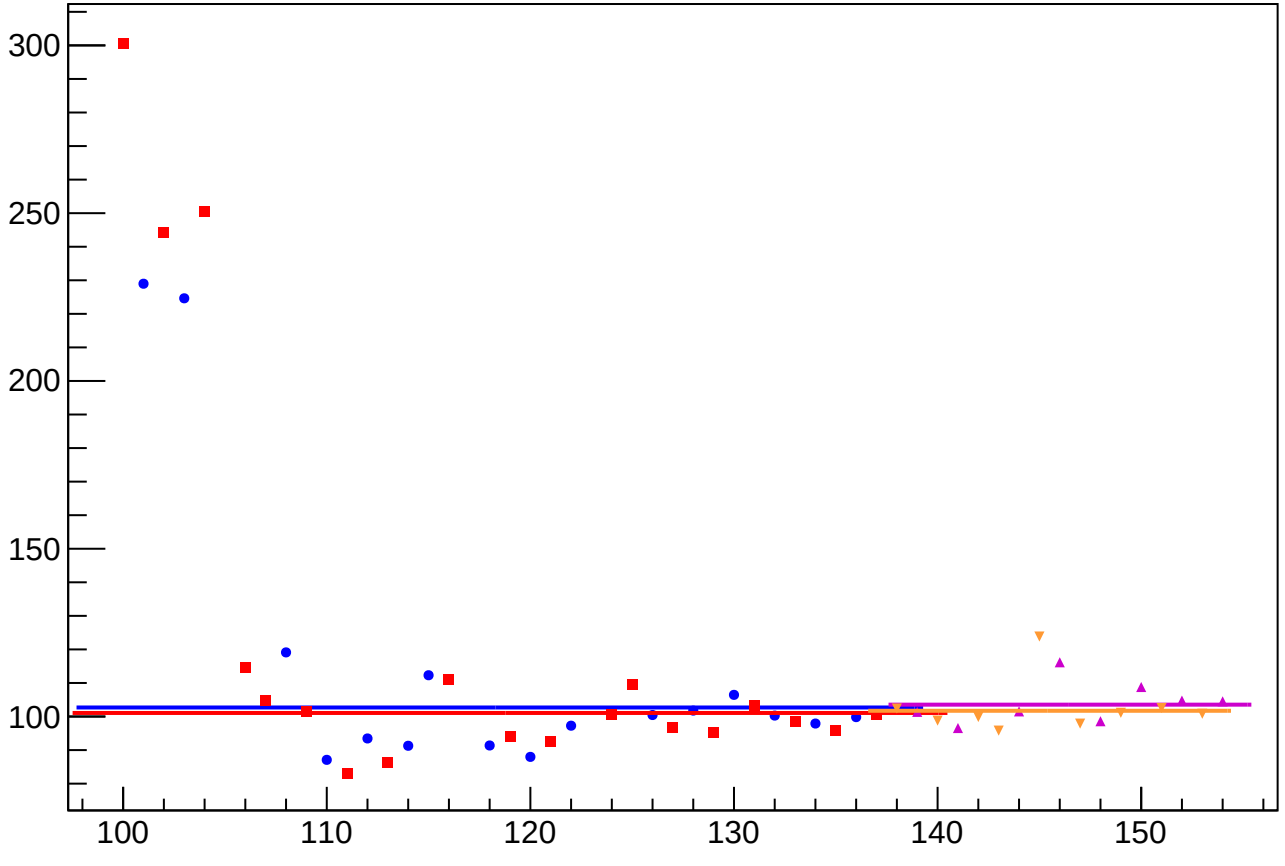
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4160.619+/-28.441 χ^2/NDF:35235.4/23

Out: -3878.063+/-27.744 χ^2/NDF:44601.6/27

All: -4015.836+/-19.860 χ^2/NDF: 79887.6/51

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: 103.538+/-0.028 χ^2/NDF:39616.5/7

Left: 102.612+/-0.020 χ^2/NDF: 102258.1/16

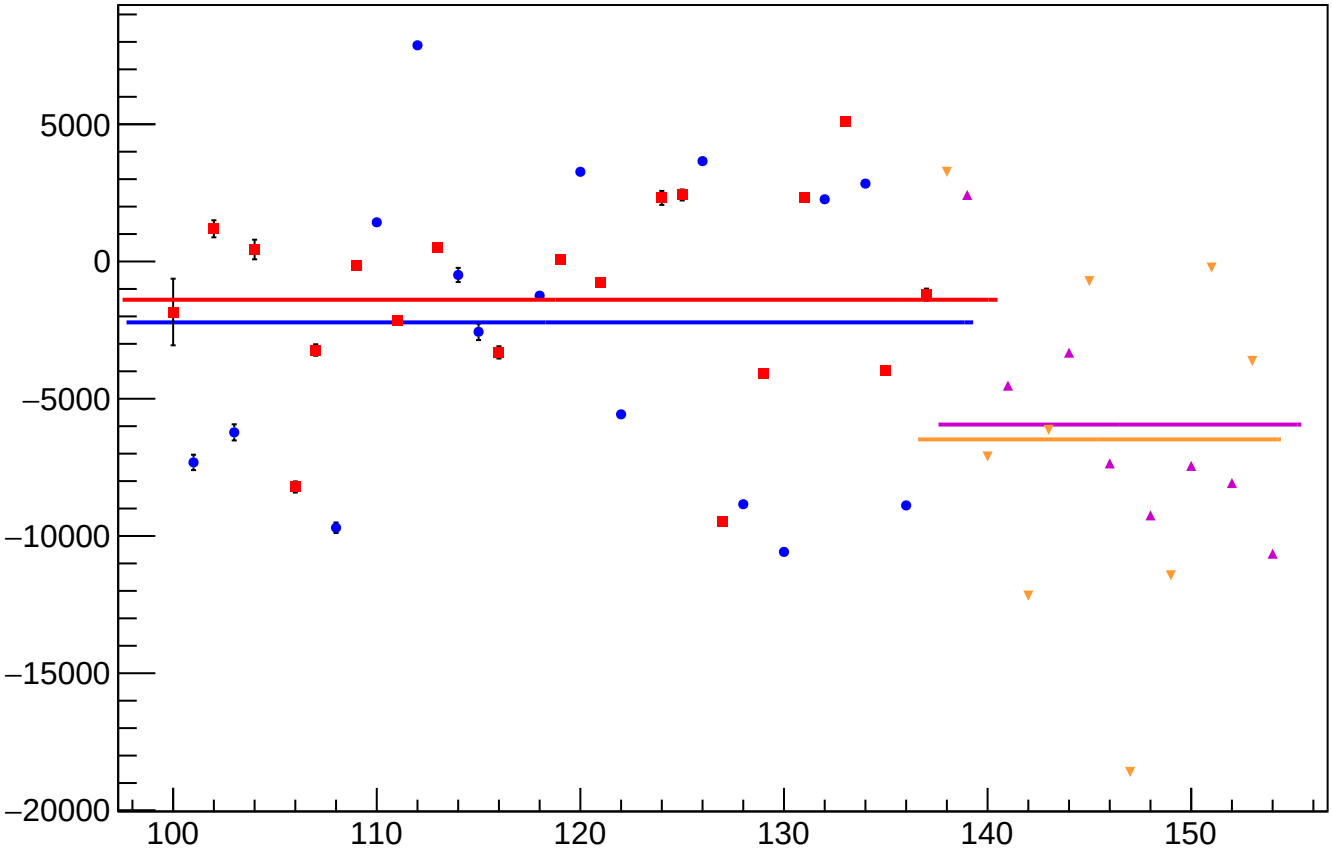
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 103.126+/-0.020 χ^2/NDF:865858.0/23

Out: 101.390+/-0.020 χ^2/NDF:991235.7/27

All: 102.237+/-0.014 χ^2/NDF: 1860911.0/51

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: -5940.058+/-38.641 χ^2/NDF:10050.6/7

Left: -6215.137+/-27.104 χ^2/NDF: 40504.2/16

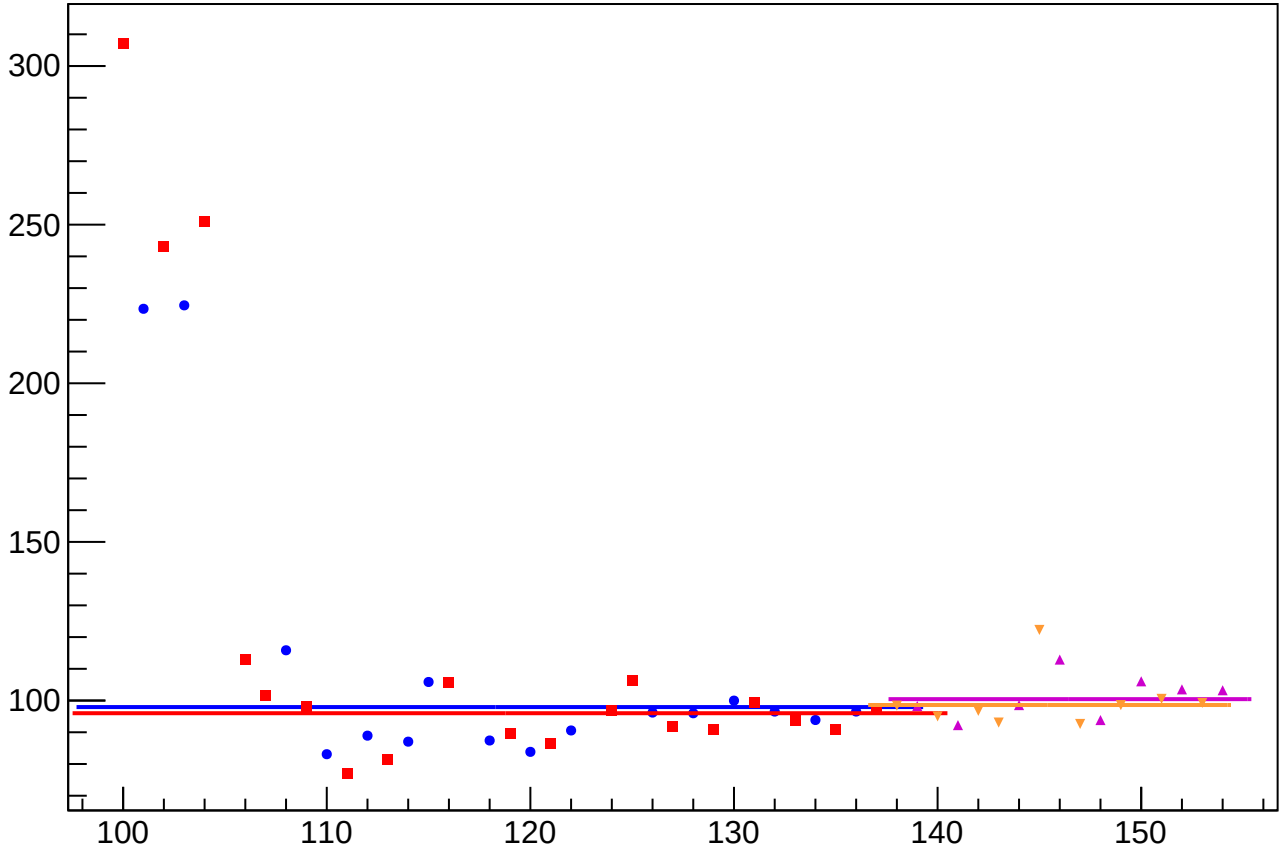
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -4098.091+/-27.463 χ^2/NDF:37682.8/23

Out: -3907.432+/-26.730 χ^2/NDF:48562.9/27

All: -4000.182+/-19.155 χ^2/NDF: 86270.5/51

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: 100.441+/-0.027 χ^2/NDF:51746.6/7

Left: 99.501+/-0.019 χ^2/NDF: 127926.5/16

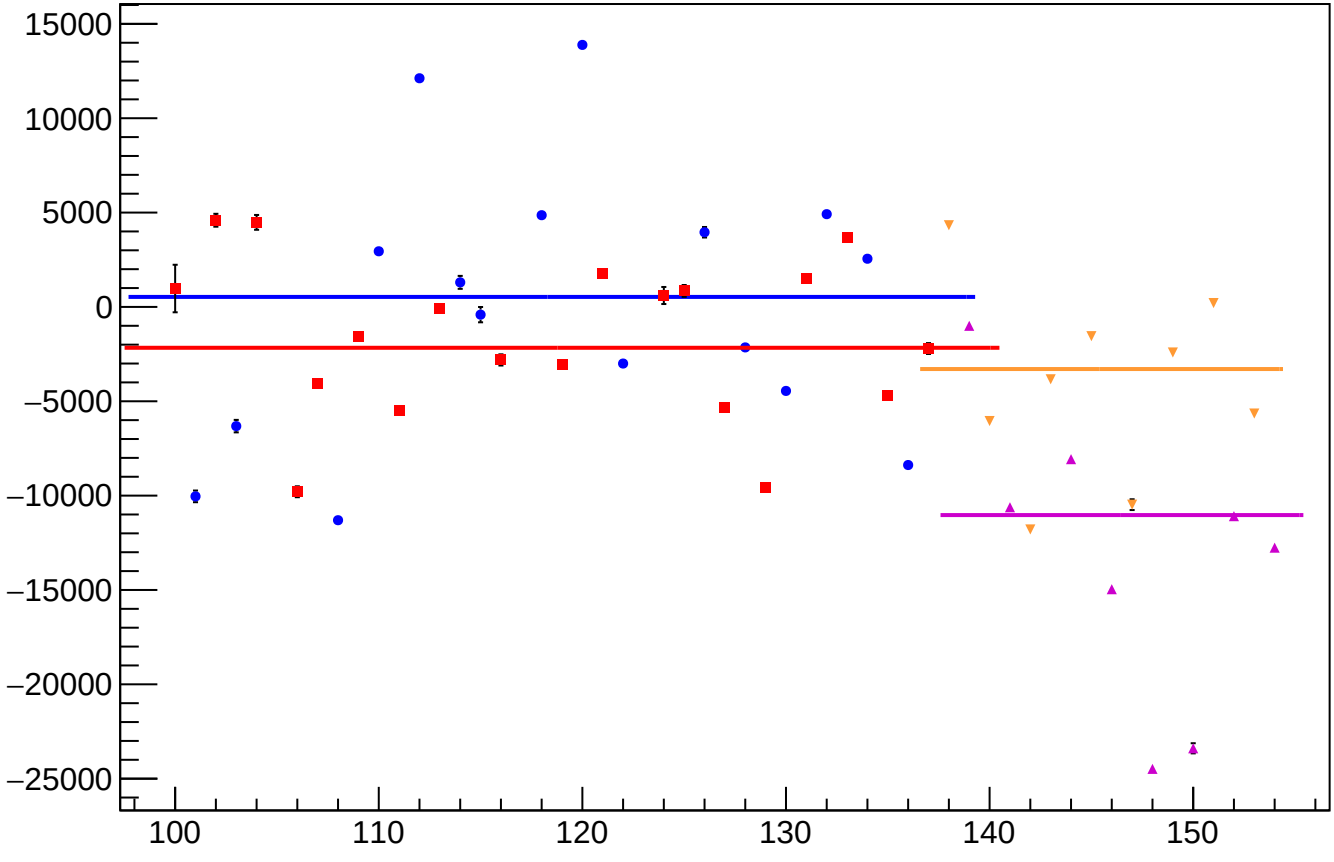
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 99.205+/-0.019 χ^2/NDF:924030.7/23

Out: 97.282+/-0.019 χ^2/NDF:1090814.8/27

All: 98.218+/-0.014 χ^2/NDF: 2019881.0/51

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: -11030.969+/-64.265 χ^2/NDF:9509.3/7

Left: -7003.718+/-44.507 χ^2/NDF: 22458.9/16

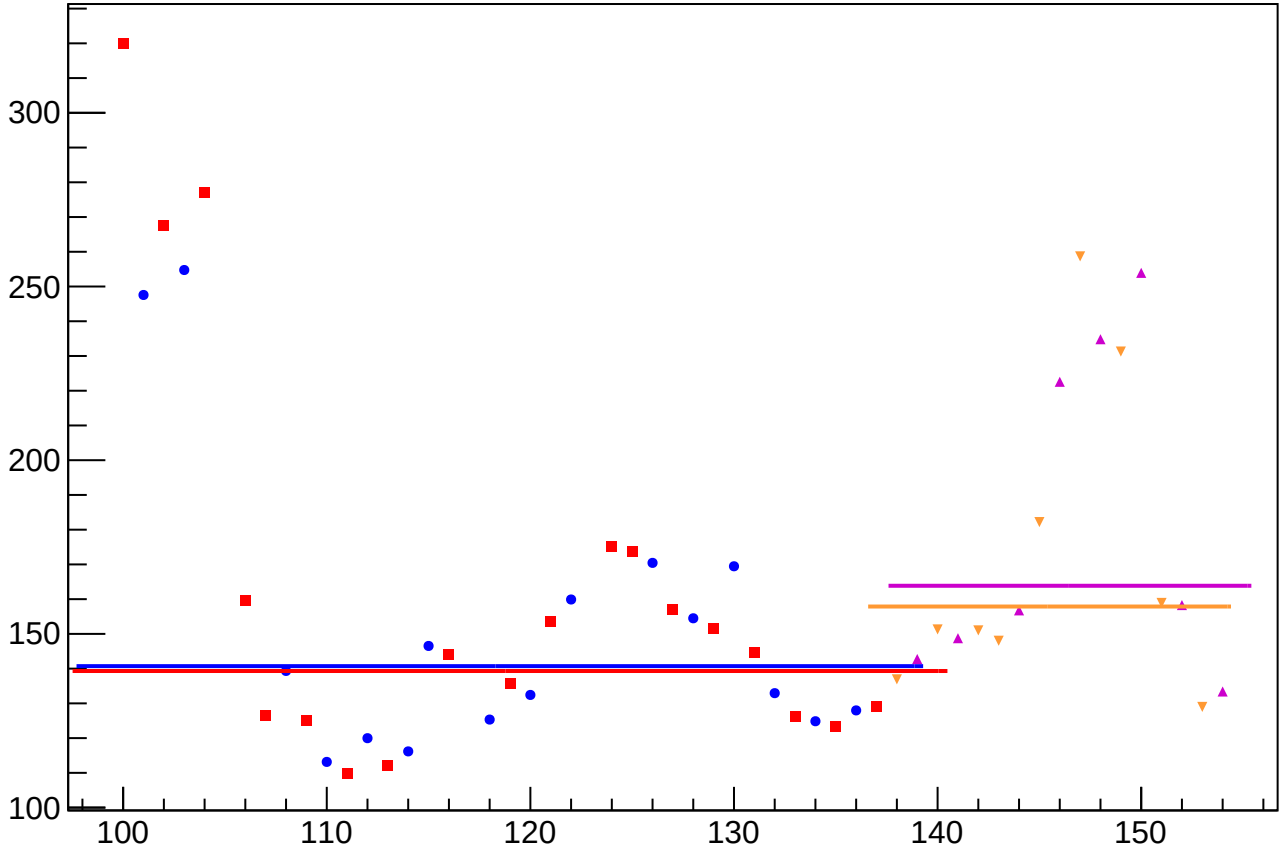
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4342.550+/-41.722 χ^2/NDF:46820.7/23

Out: -2648.169+/-40.402 χ^2/NDF:10560.5/27

All: -3468.127+/-29.024 χ^2/NDF: 58232.3/51

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: 163.854+/-0.045 χ^2/NDF:644613.2/7

Left: 160.745+/-0.031 χ^2/NDF: 1228249.0/16

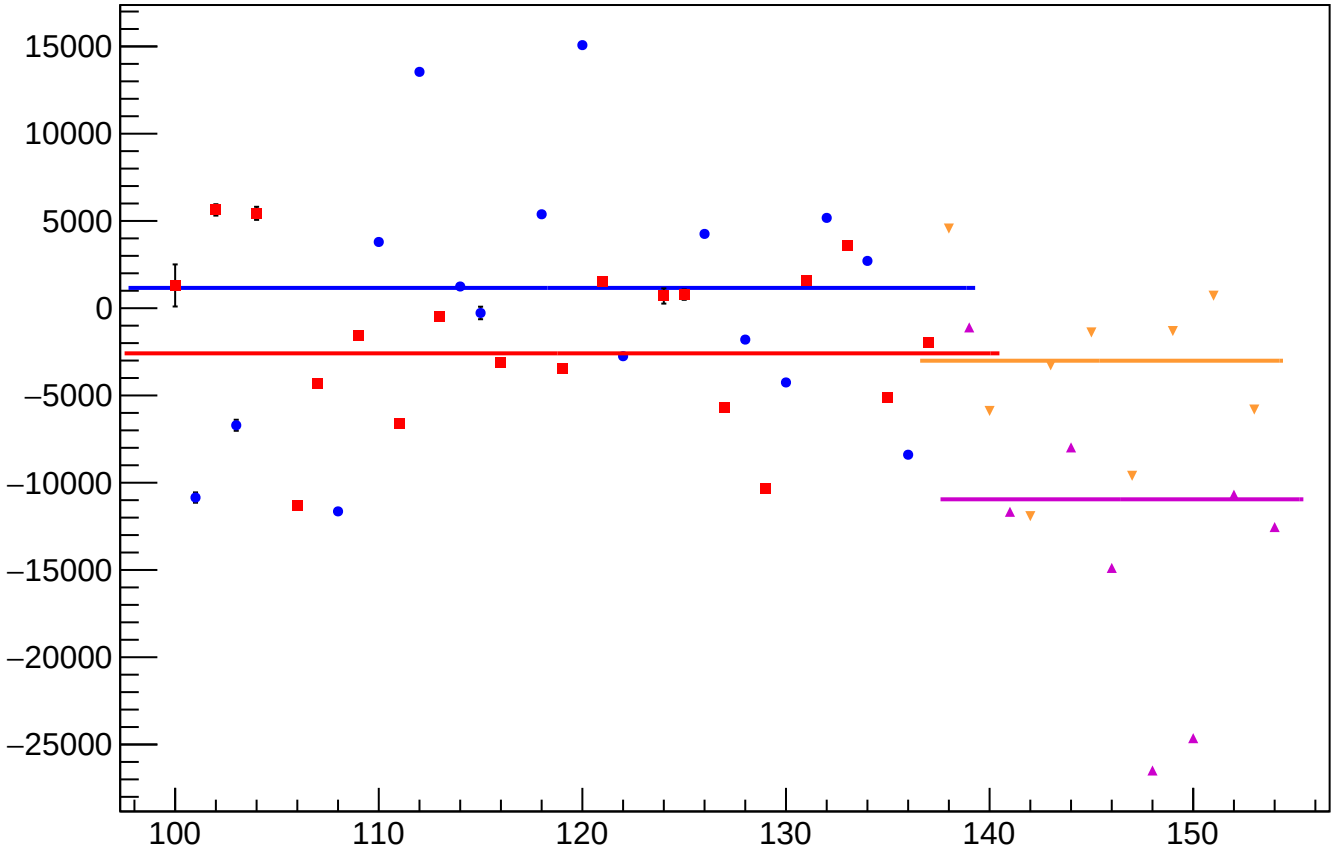
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 150.468+/-0.030 χ^2/NDF:1470228.0/23

Out: 147.277+/-0.029 χ^2/NDF:1480352.4/27

All: 148.821+/-0.021 χ^2/NDF: 2956620.1/51

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: -10951.030+/-57.063 χ^2/NDF:12763.1/7

Left: -6819.647+/-39.528 χ^2/NDF: 30053.7/16

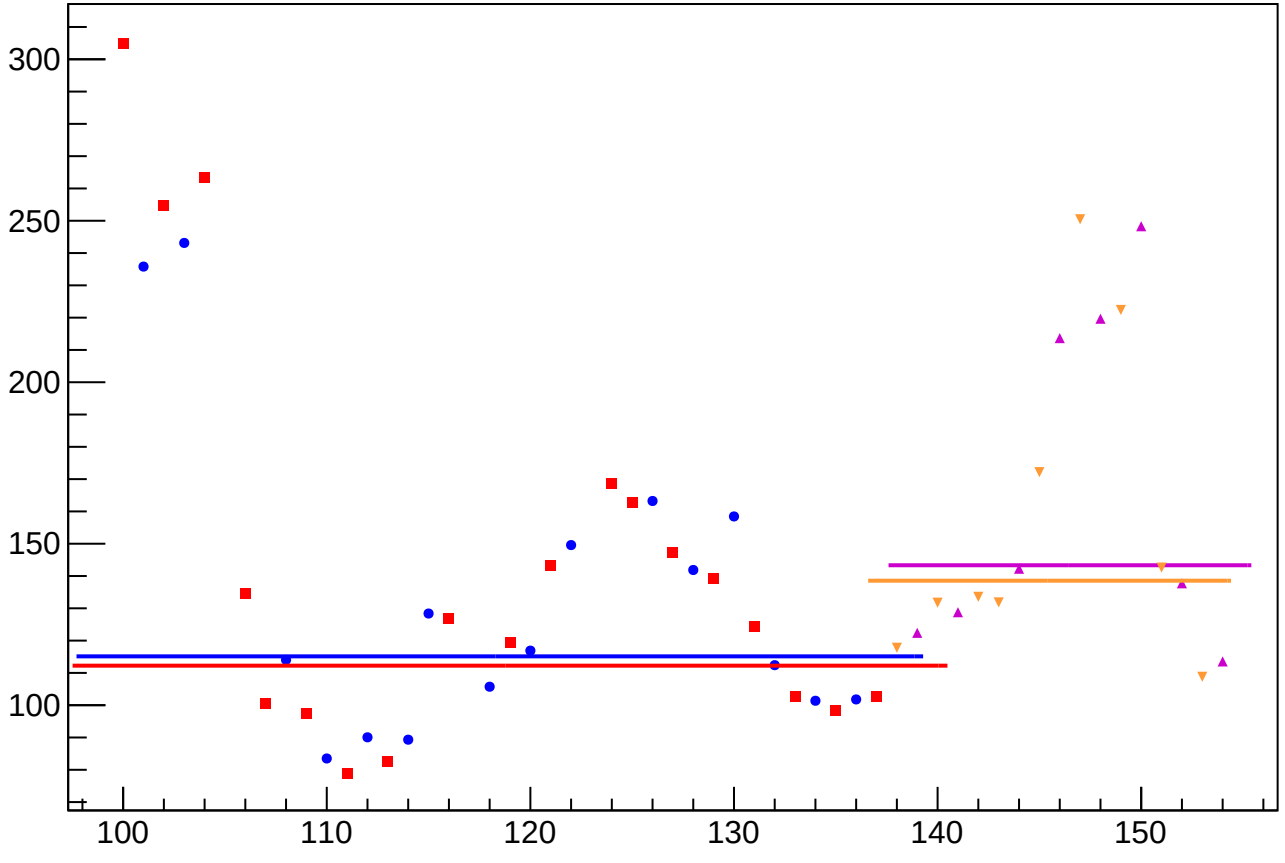
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3599.656+/-35.780 χ^2/NDF:70866.4/23

Out: -2753.237+/-34.432 χ^2/NDF:15349.0/27

All: -3160.206+/-24.810 χ^2/NDF: 86505.9/51

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: 143.333+/-0.040 χ^2/NDF:892468.6/7

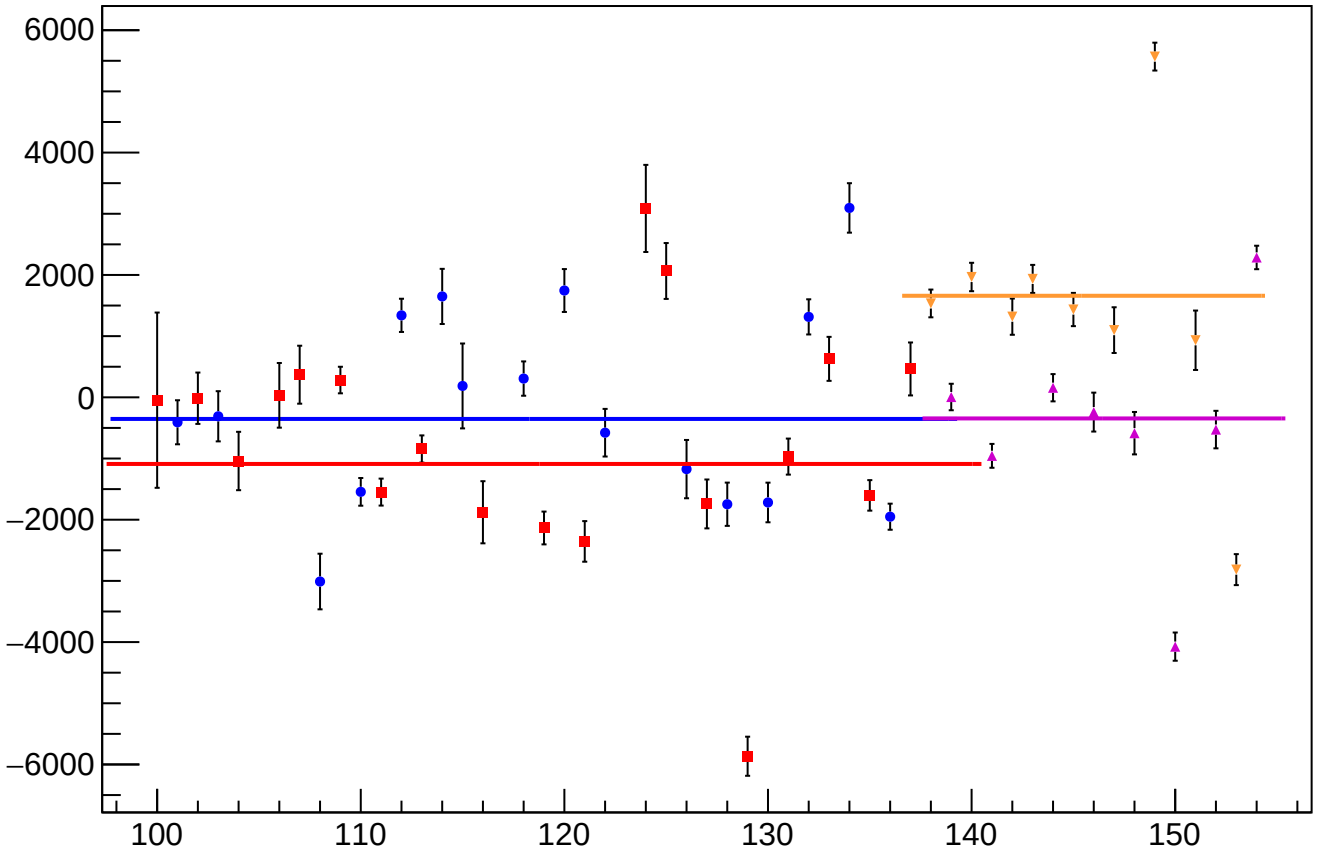
Left: 140.846+/-0.028 χ^2/NDF: 1702742.8/16

Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 126.215+/-0.025 χ^2/NDF:2302019.1/23

Out: 122.626+/-0.024 χ^2/NDF:2410150.3/27

All: 124.352+/-0.018 χ^2/NDF: 4722617.1/51



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: -344.986+/-83.732 χ^2/NDF:468.1/7

Left: 604.276+/-60.756 χ^2/NDF: 1356.4/16

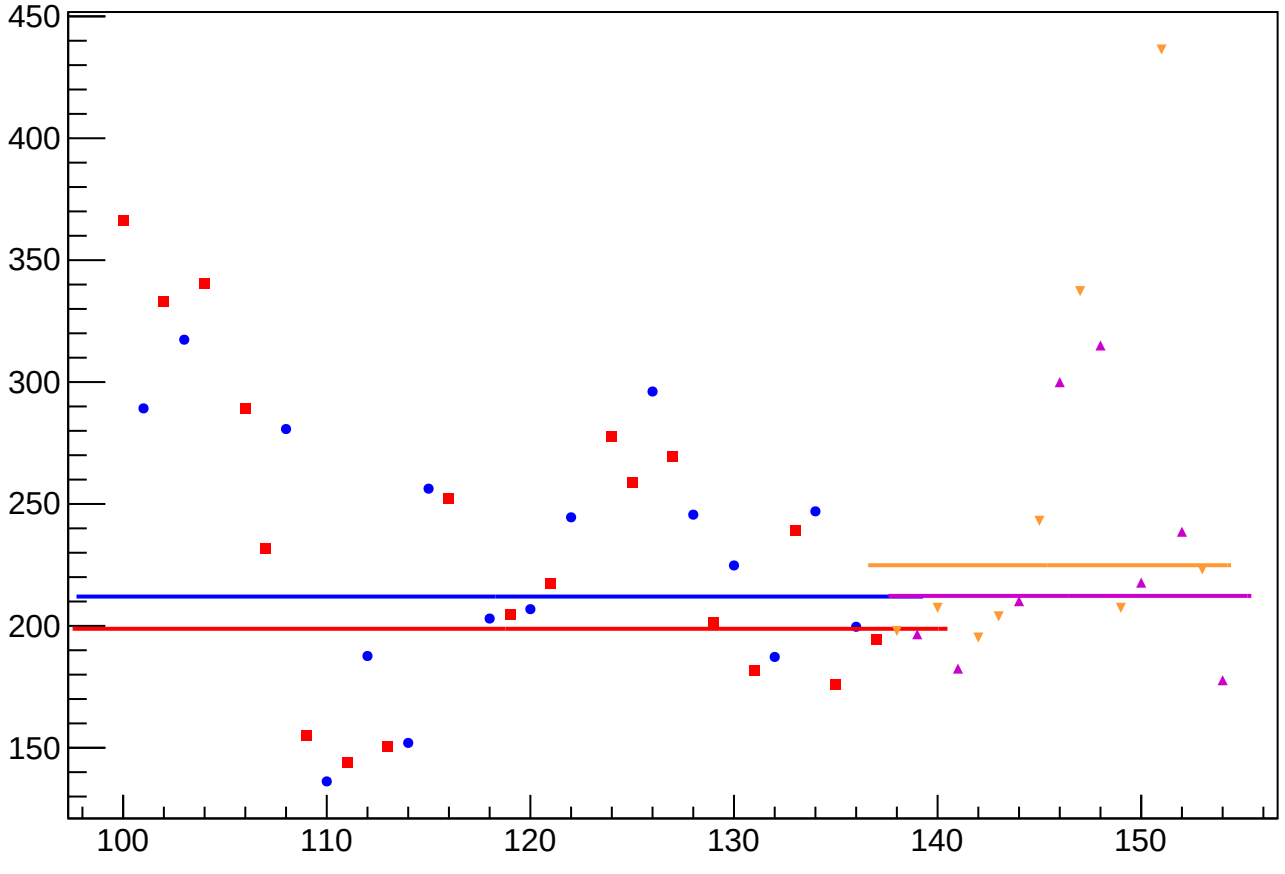
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -349.136+/-58.635 χ^2/NDF:829.9/23

Out: 88.835+/-57.792 χ^2/NDF:1617.9/27

All: -126.981+/-41.160 χ^2/NDF: 2476.1/51

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: 212.298+/-0.059 χ^2/NDF:465883.5/7

Left: 218.253+/-0.043 χ^2/NDF: 1145285.1/16

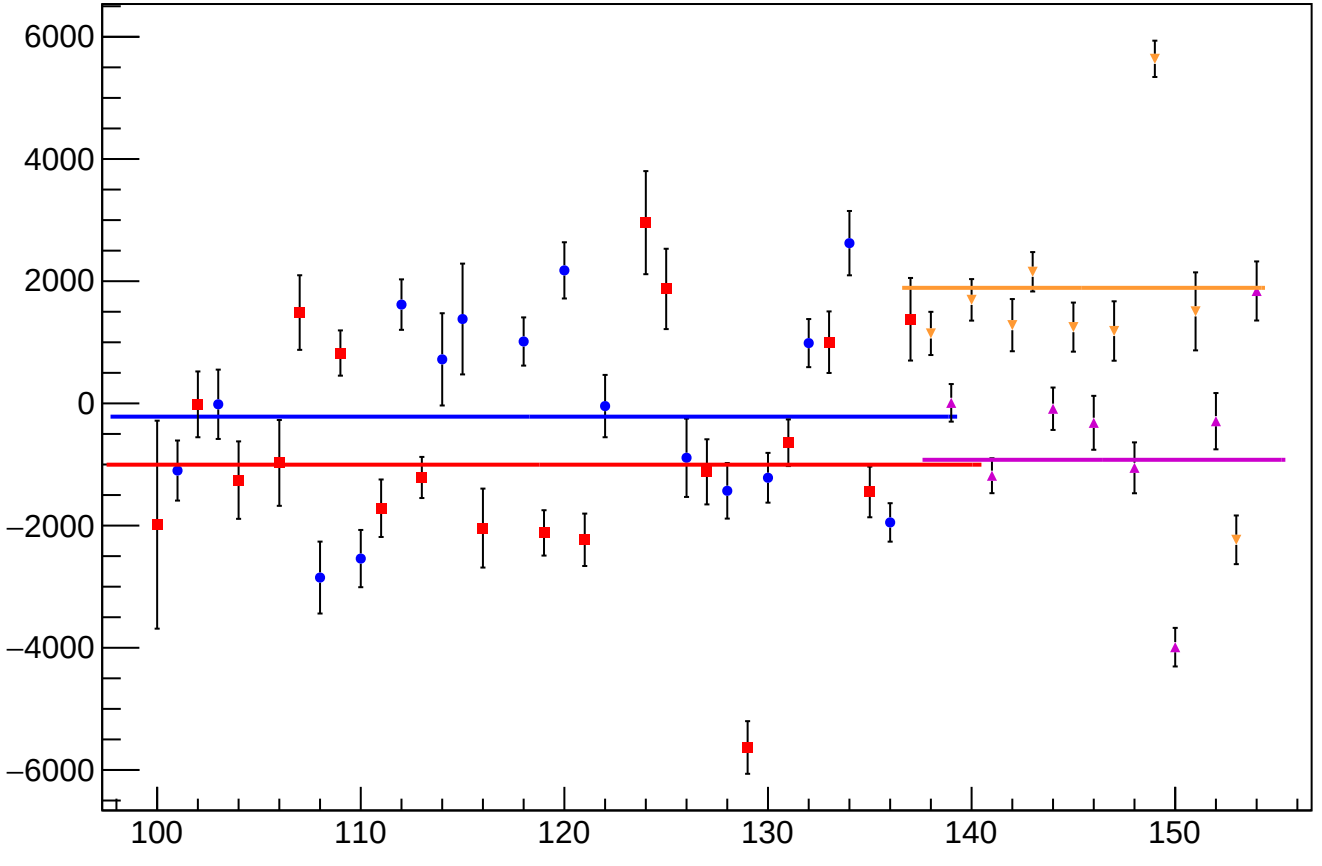
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 212.160+/-0.041 χ^2/NDF:1156252.2/23

Out: 209.976+/-0.041 χ^2/NDF:1732584.4/27

All: 211.052+/-0.029 χ^2/NDF: 2890244.0/51

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: -923.220+/-128.001 χ^2/NDF:146.6/7

Left: 497.942+/-90.064 χ^2/NDF: 669.4/16

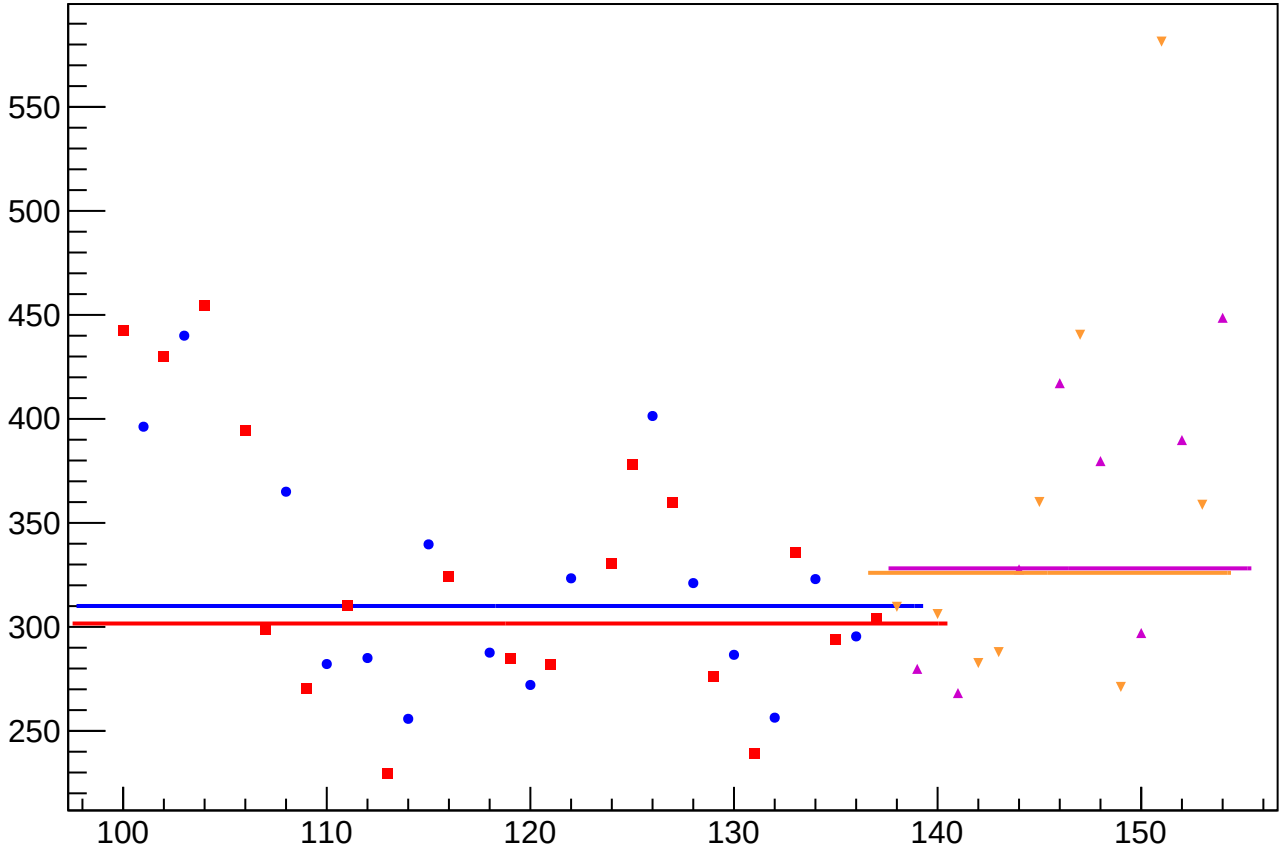
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -541.083+/-86.714 χ^2/NDF:355.3/23

Out: 280.149+/-84.392 χ^2/NDF:823.3/27

All: -119.324+/-60.478 χ^2/NDF: 1224.6/51

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: 328.152+/-0.091 χ^2/NDF:428769.5/7

Left: 327.068+/-0.064 χ^2/NDF: 1015356.2/16

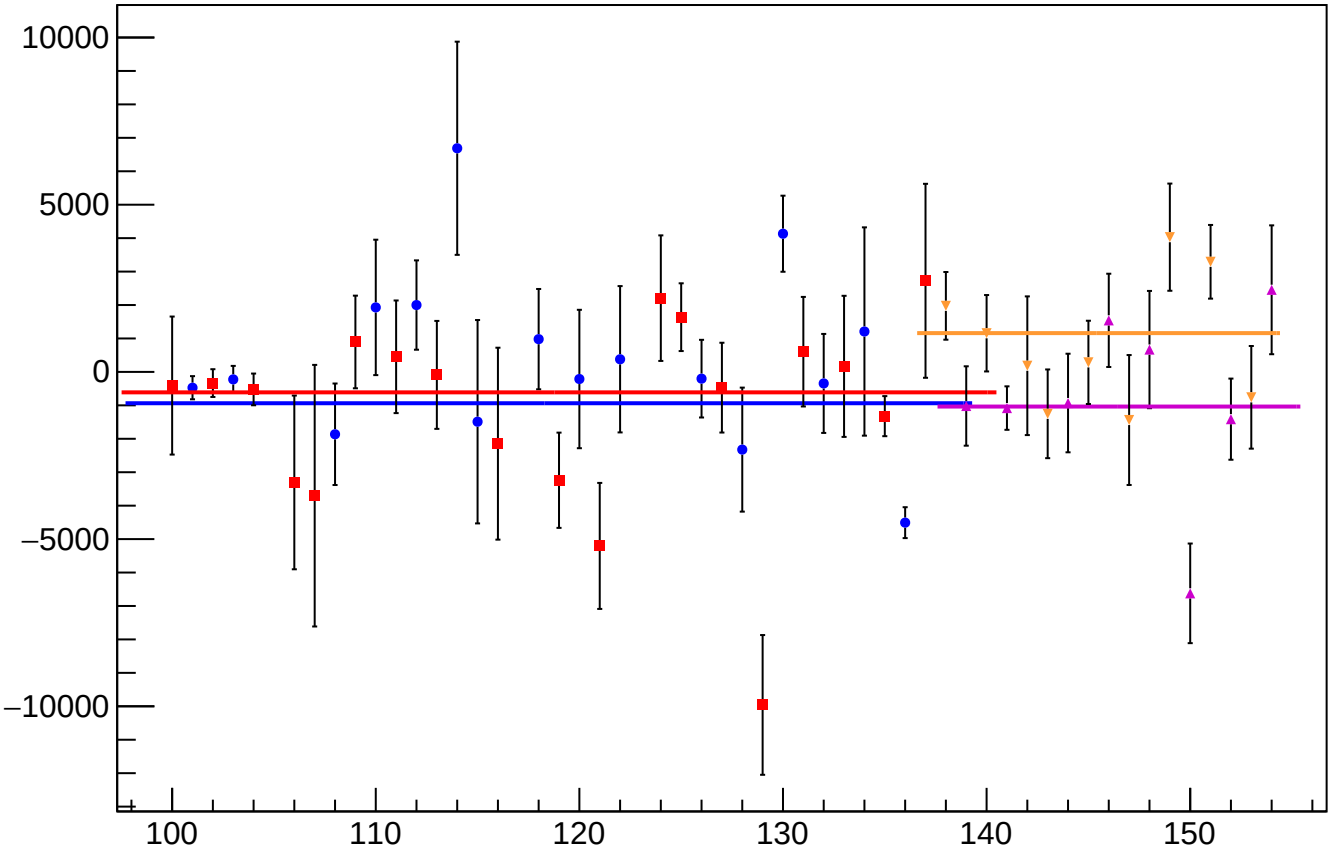
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 318.364+/-0.061 χ^2/NDF:773665.6/23

Out: 312.440+/-0.060 χ^2/NDF:1147343.0/27

All: 315.322+/-0.043 χ^2/NDF: 1925802.2/51

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: -1036.258+/-416.114 χ^2/NDF:21.8/7

Left: -7.301+/-303.368 χ^2/NDF: 49.8/16

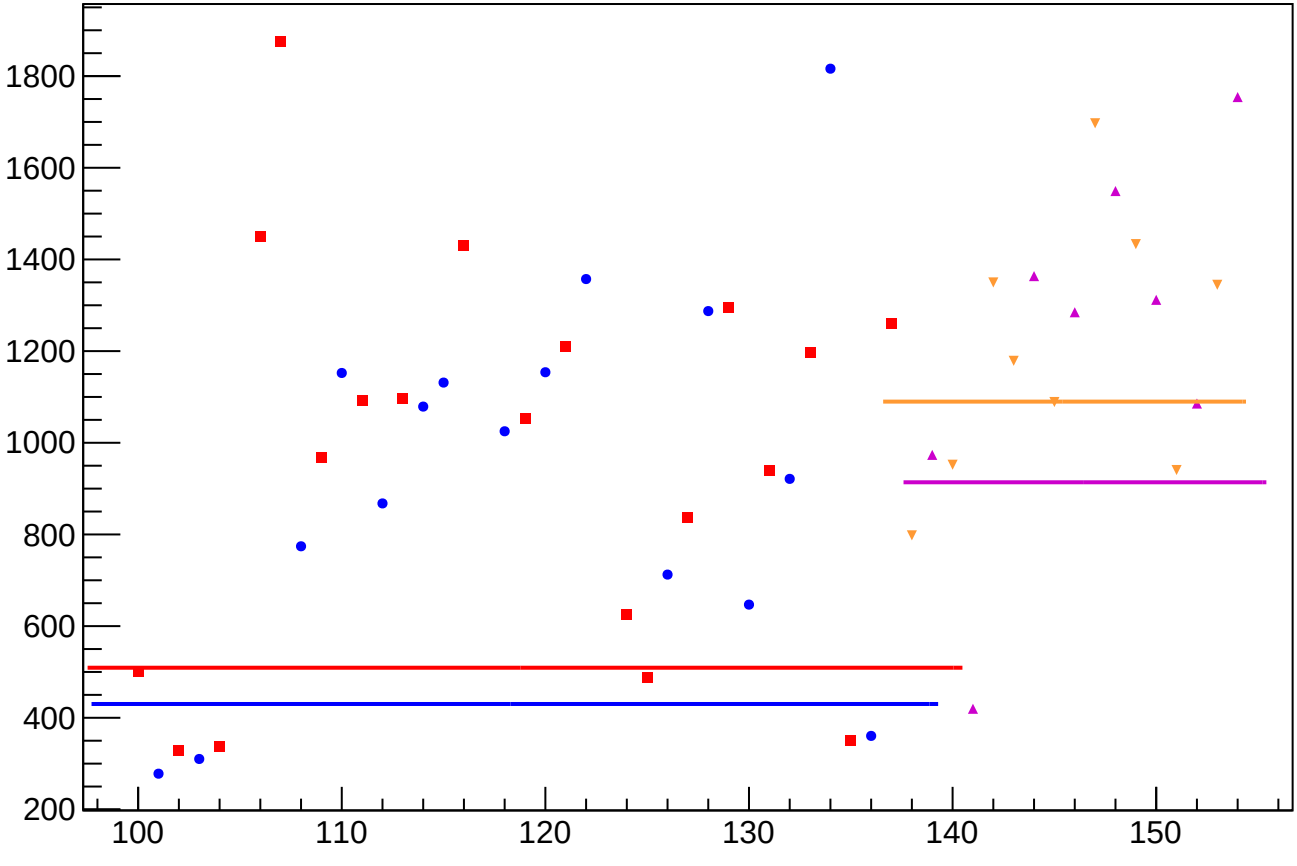
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -956.302+/-183.690 χ^2/NDF:123.1/23

Out: -227.676+/-206.339 χ^2/NDF:71.6/27

All: -634.157+/-137.200 χ^2/NDF: 201.6/51

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: 913.820+/-0.294 χ^2/NDF:2314595.4/7

Left: 996.281+/-0.215 χ^2/NDF: 3097087.3/16

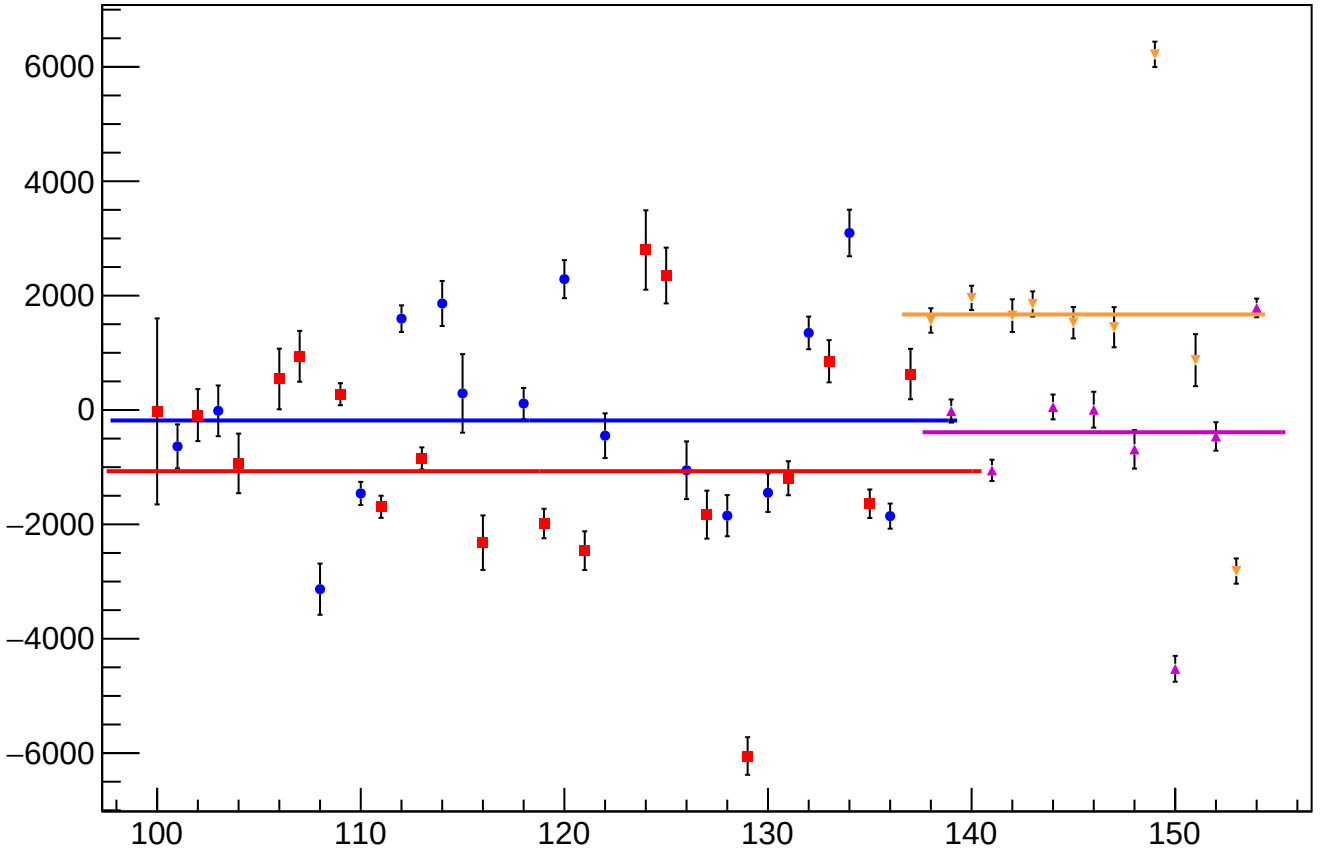
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 524.372+/-0.130 χ^2/NDF:8012370.8/23

Out: 635.069+/-0.146 χ^2/NDF:6976407.9/27

All: 573.314+/-0.097 χ^2/NDF: 15309908.4/51

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: -388.975+/-77.362 χ^2/NDF:537.0/7

Left: 564.152+/-56.710 χ^2/NDF: 1705.6/16

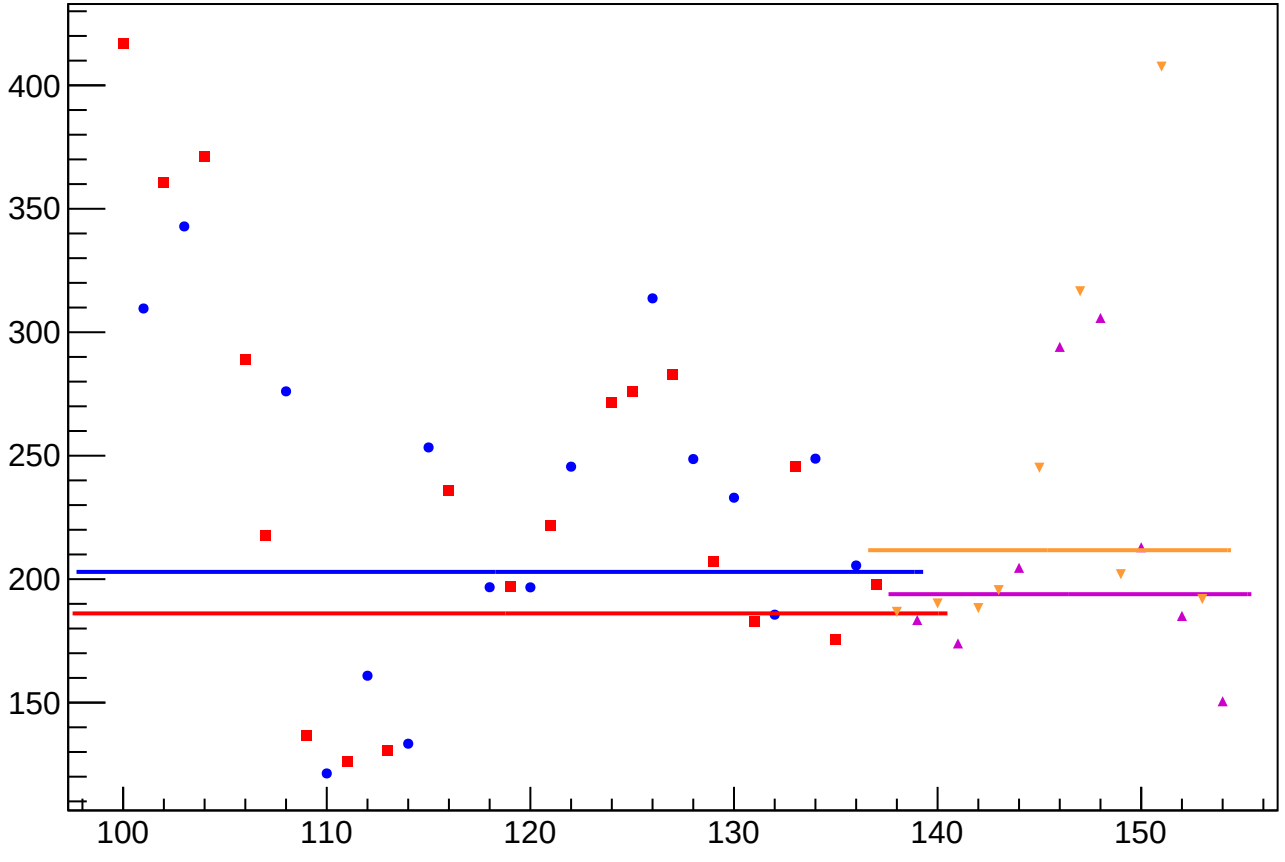
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -289.272+/-55.567 χ^2/NDF:958.1/23

Out: 120.798+/-54.948 χ^2/NDF:1944.1/27

All: -81.943+/-39.071 χ^2/NDF: 2929.8/51

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: 193.918+/-0.055 χ^2/NDF:617076.8/7

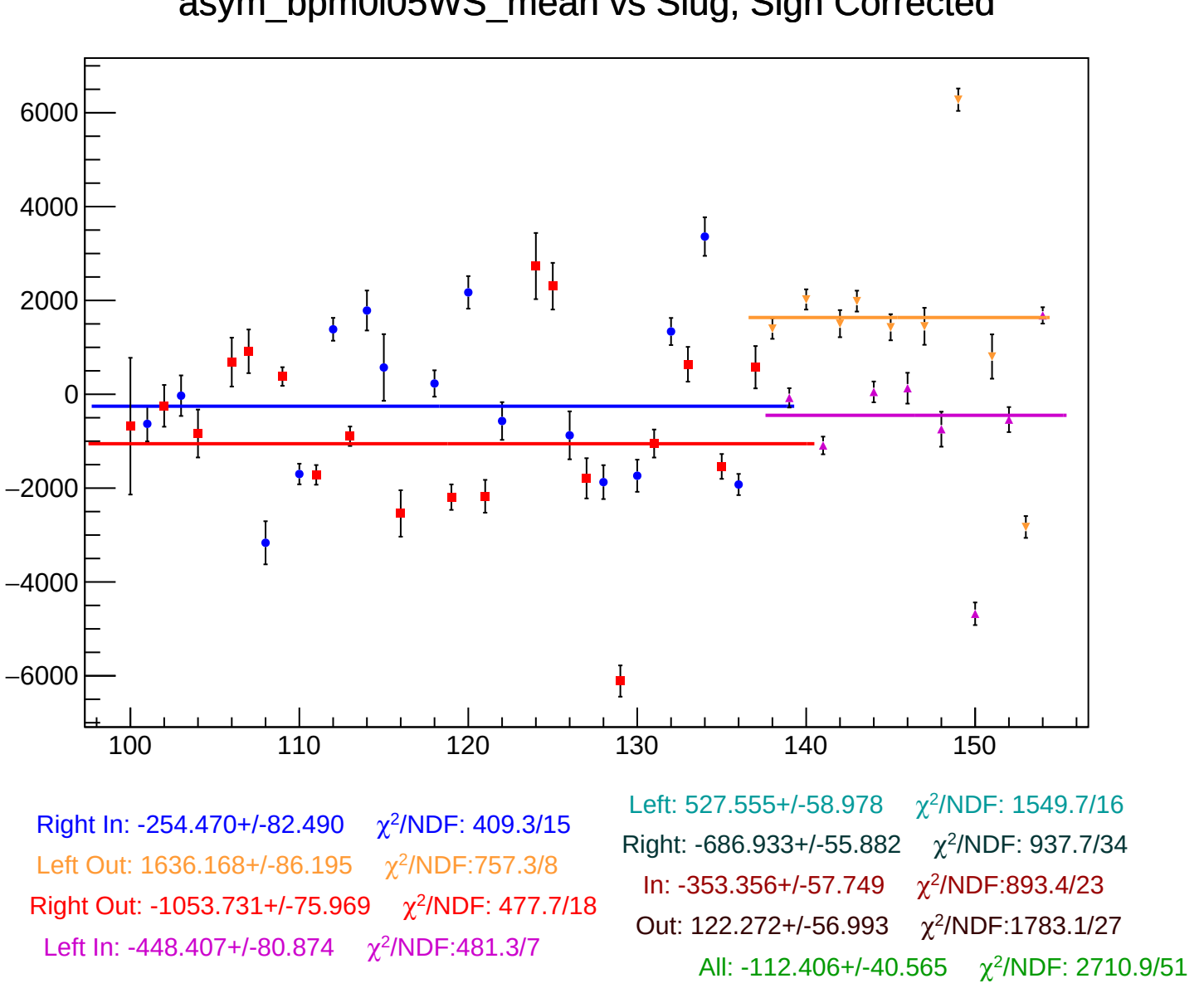
Left: 202.157+/-0.040 χ^2/NDF: 1337783.5/16

Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 198.286+/-0.039 χ^2/NDF:1702106.8/23

Out: 197.247+/-0.039 χ^2/NDF:2259976.5/27

All: 197.761+/-0.028 χ^2/NDF: 3962436.8/51


asym_bpm0l05WS_mean vs Slug, Sign Corrected
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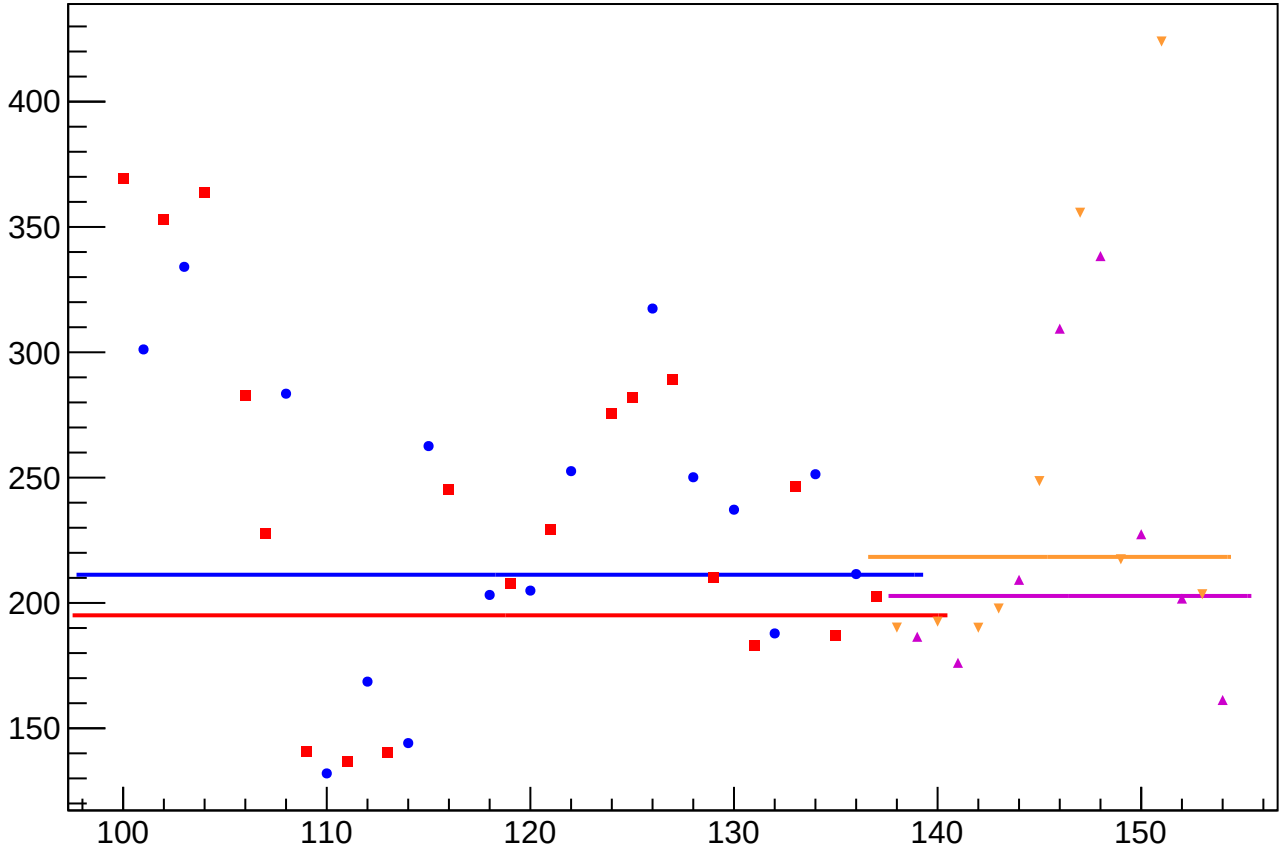
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -254.470+/-82.490 χ²/NDF: 409.3/15
Left Out: 1636.168+/-86.195 χ²/NDF:757.3/8
Right Out: -1053.731+/-75.969 χ²/NDF: 477.7/18
Left In: -448.407+/-80.874 χ²/NDF:481.3/7
Left: 527.555+/-58.978 χ²/NDF: 1549.7/16
Right: -686.933+/-55.882 χ²/NDF: 937.7/34
In: -353.356+/-57.749 χ²/NDF:893.4/23
Out: 122.272+/-56.993 χ²/NDF:1783.1/27
All: -112.406+/-40.565 χ²/NDF: 2710.9/51

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: 202.793+/-0.057 χ^2/NDF:664360.8/7

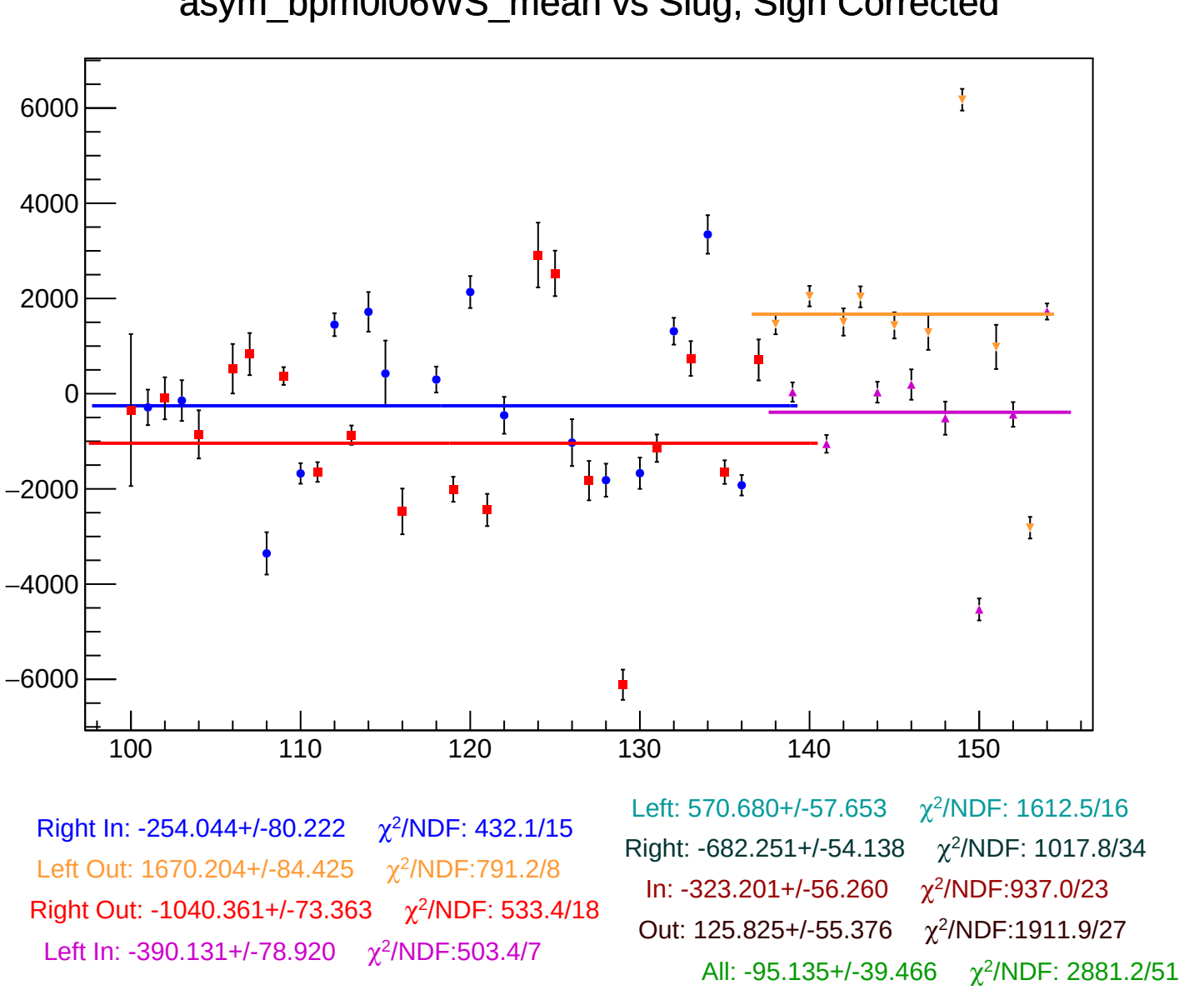
Left: 210.086+/-0.042 χ^2/NDF: 1450934.9/16

Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 206.940+/-0.041 χ^2/NDF:1559451.7/23

Out: 205.252+/-0.040 χ^2/NDF:2119033.2/27

All: 206.085+/-0.029 χ^2/NDF: 3679350.0/51


asym_bpm0l06WS_mean vs Slug, Sign Corrected
6000
4000
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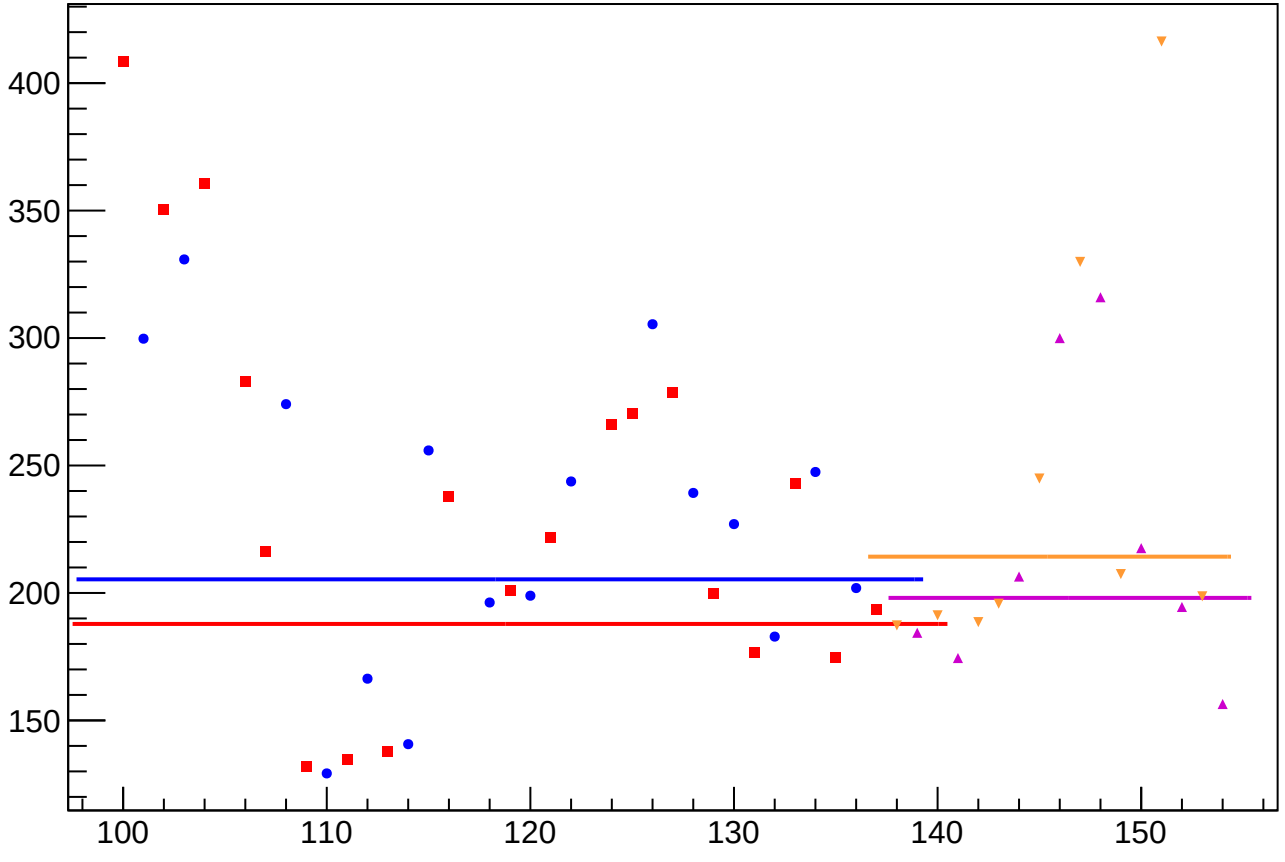
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -254.044+/-80.222 χ²/NDF: 432.1/15
Left Out: 1670.204+/-84.425 χ²/NDF:791.2/8
Right Out: -1040.361+/-73.363 χ²/NDF: 533.4/18
Left In: -390.131+/-78.920 χ²/NDF:503.4/7
Left: 570.680+/-57.653 χ²/NDF: 1612.5/16
Right: -682.251+/-54.138 χ²/NDF: 1017.8/34
In: -323.201+/-56.260 χ²/NDF:937.0/23
Out: 125.825+/-55.376 χ²/NDF:1911.9/27
All: -95.135+/-39.466 χ²/NDF: 2881.2/51

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: 198.066+/-0.056 χ^2/NDF:613686.8/7

Left: 205.610+/-0.041 χ^2/NDF: 1353167.2/16

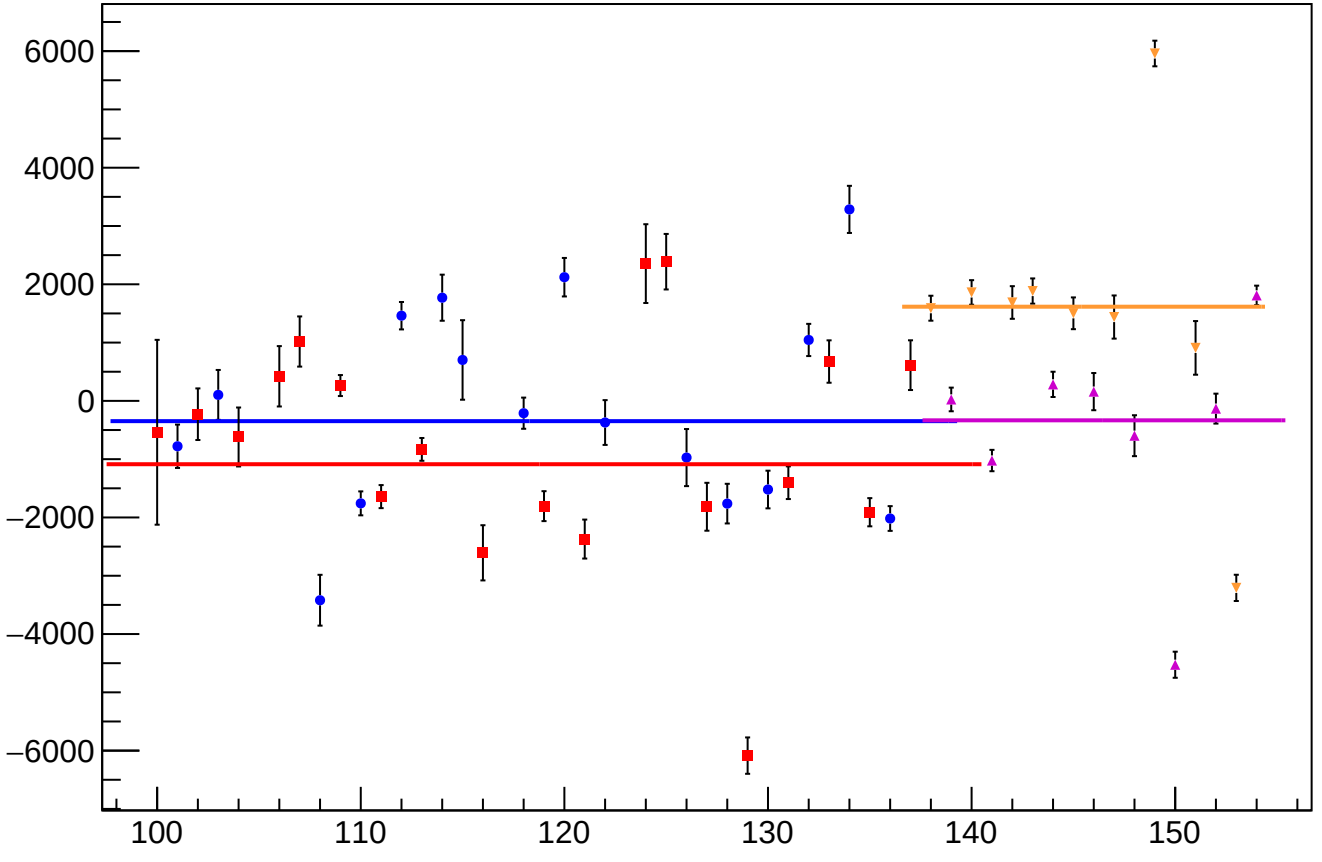
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 201.644+/-0.040 χ^2/NDF:1499445.0/23

Out: 199.204+/-0.039 χ^2/NDF:2148720.9/27

All: 200.405+/-0.028 χ^2/NDF: 3650076.6/51

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: -333.699+/-78.026 χ^2/NDF:544.3/7

Left: 578.024+/-56.927 χ^2/NDF: 1691.4/16

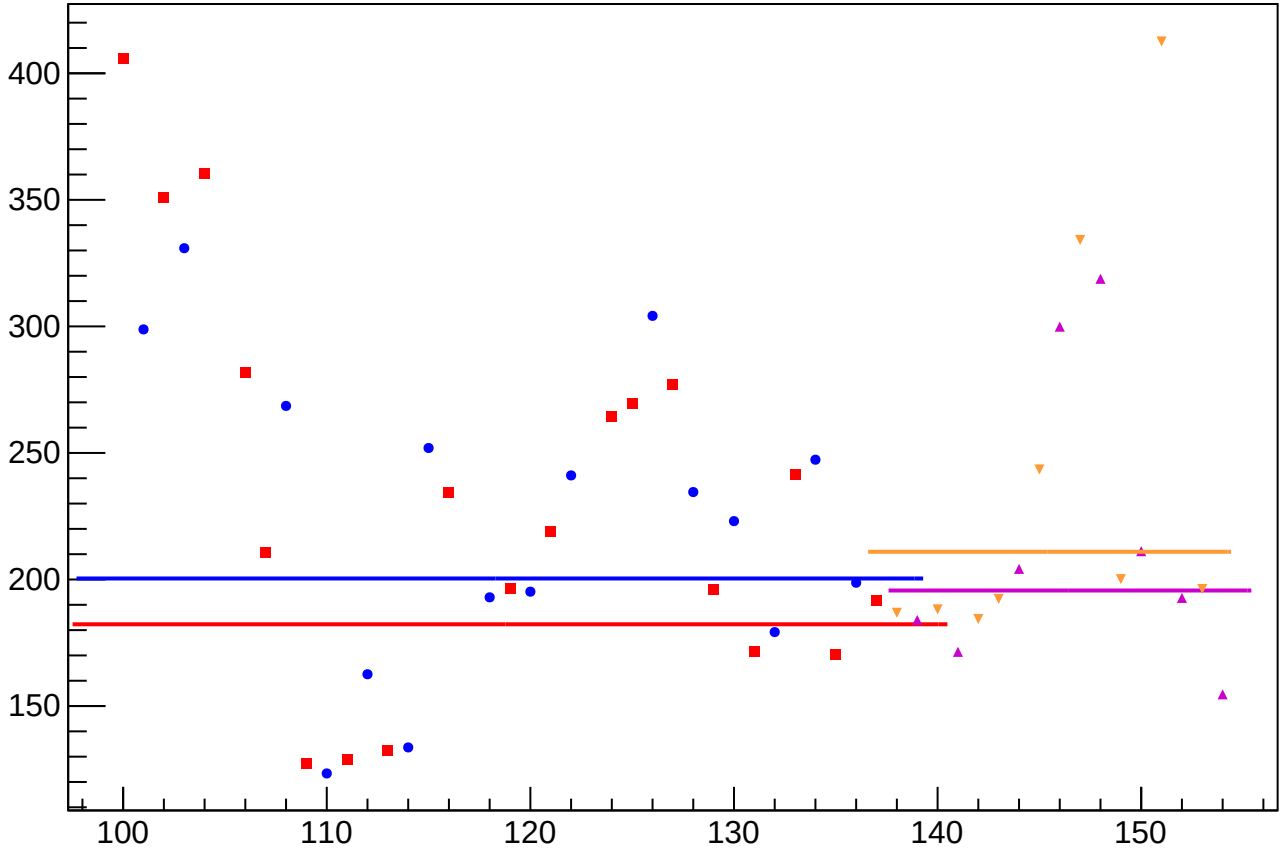
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -340.635+/-55.363 χ^2/NDF:990.1/23

Out: 61.385+/-54.255 χ^2/NDF:1988.6/27

All: -135.560+/-38.750 χ^2/NDF: 3005.5/51

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: 195.652+/-0.055 χ^2/NDF:634859.6/7

Left: 202.809+/-0.040 χ^2/NDF: 1399405.0/16

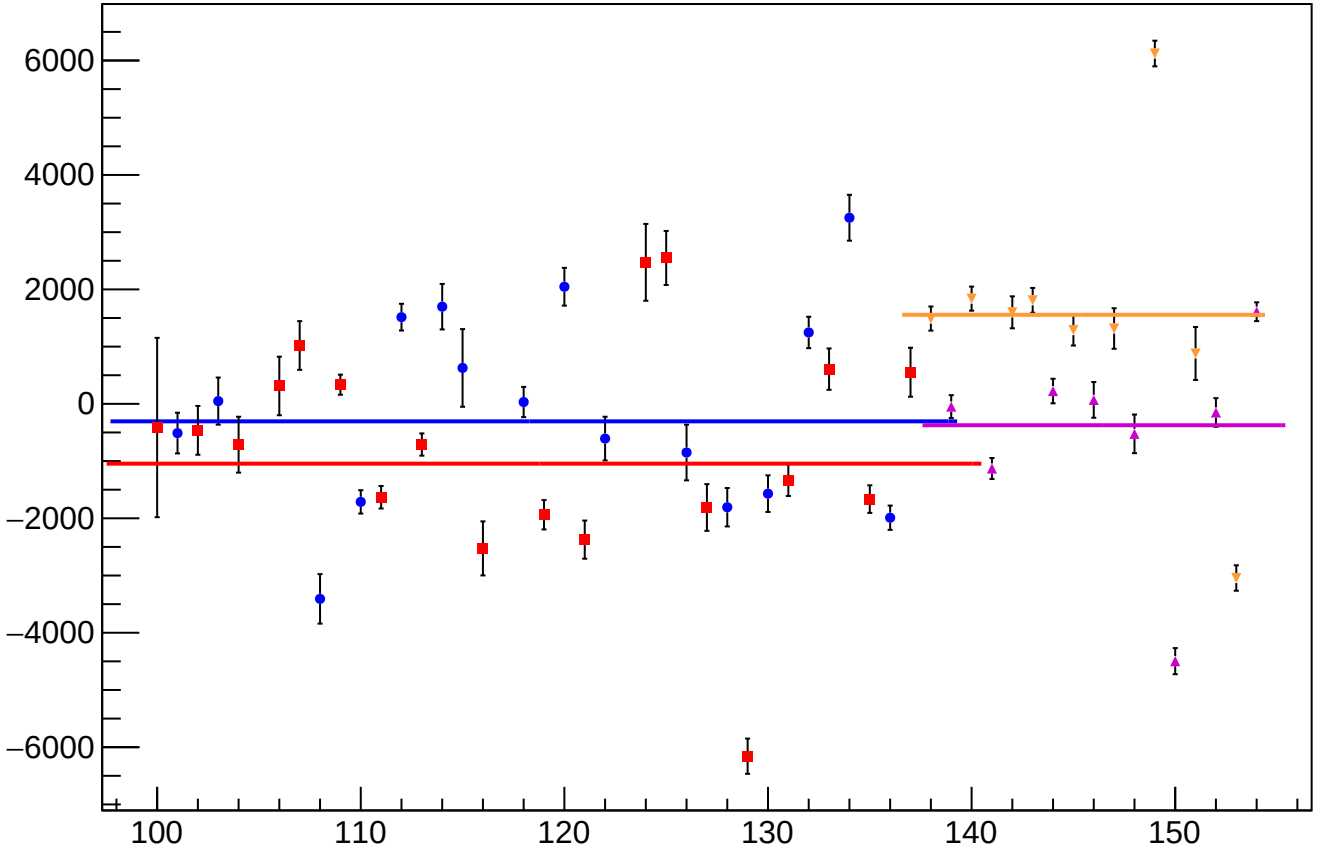
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 198.009+/-0.039 χ^2/NDF:1597535.8/23

Out: 194.474+/-0.038 χ^2/NDF:2312064.0/27

All: 196.206+/-0.027 χ^2/NDF: 3913758.7/51

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: -373.608+/-77.147 χ^2/NDF:503.4/7

Left: 522.577+/-56.462 χ^2/NDF: 1642.5/16

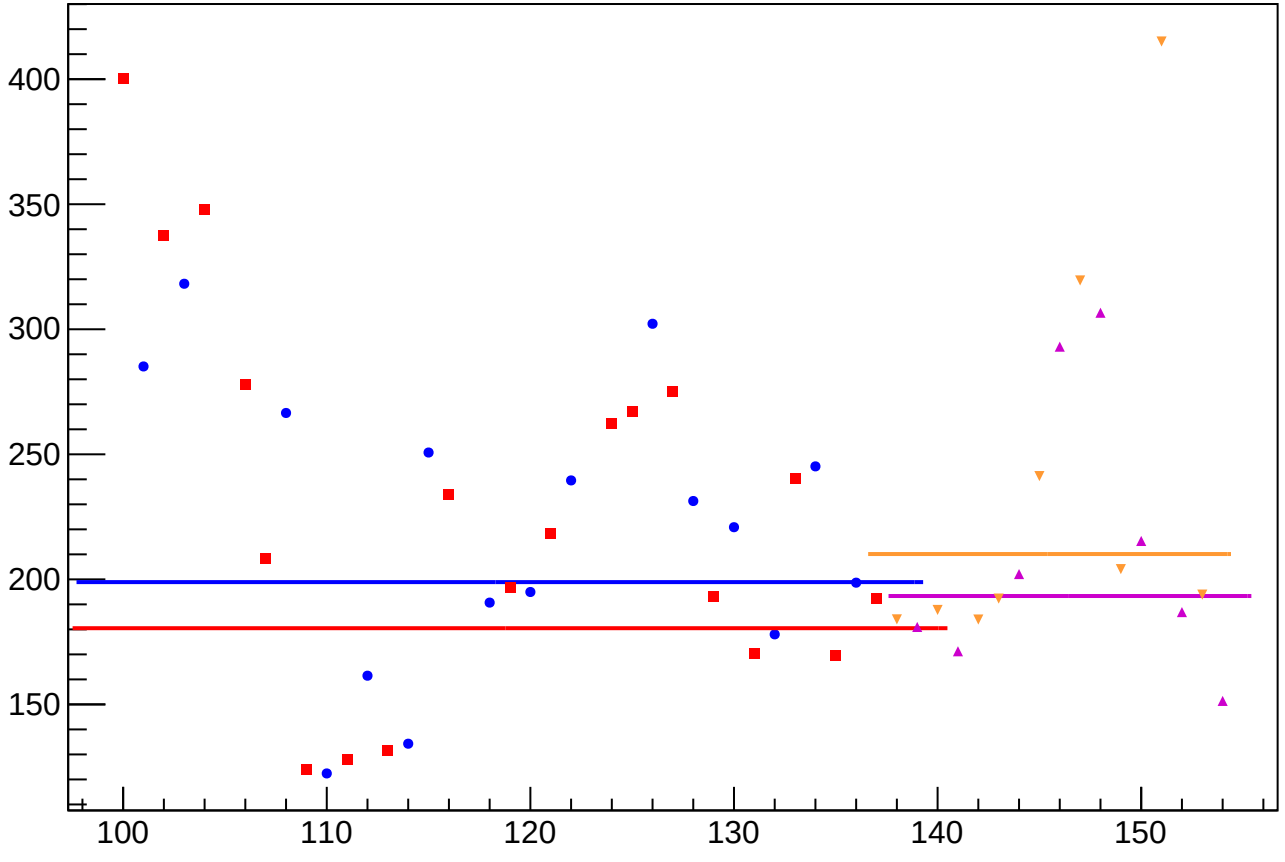
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -339.945+/-54.804 χ^2/NDF:955.5/23

Out: 53.138+/-53.836 χ^2/NDF:1970.3/27

All: -139.901+/-38.406 χ^2/NDF: 2952.0/51

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: 193.345+/-0.055 χ^2/NDF:620356.9/7

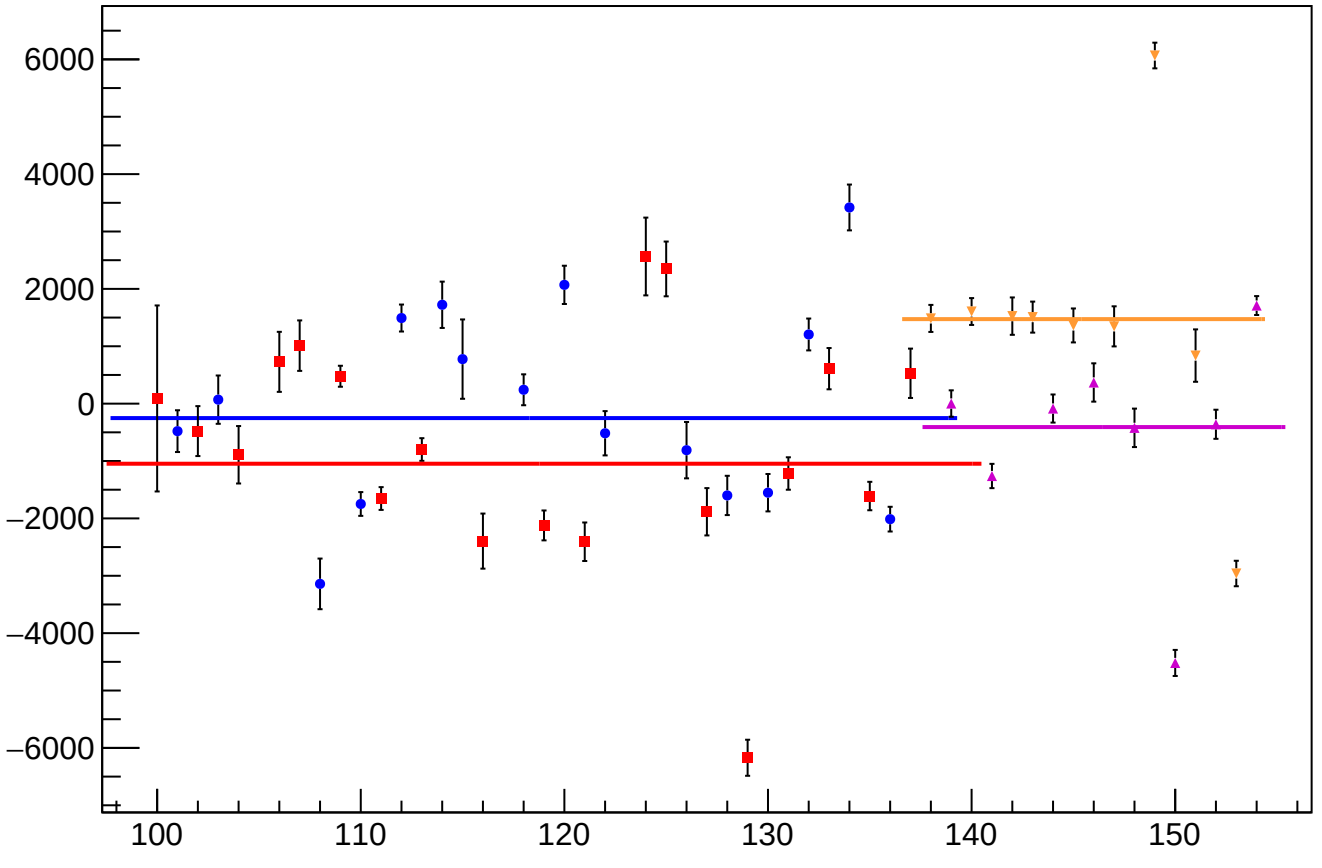
Left: 201.139+/-0.040 χ^2/NDF: 1370212.5/16

Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 196.098+/-0.039 χ^2/NDF:1538263.8/23

Out: 192.993+/-0.038 χ^2/NDF:2288379.6/27

All: 194.518+/-0.027 χ^2/NDF: 3829910.2/51


asym_bpm0l09WS_mean vs Slug, Sign Corrected
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4000
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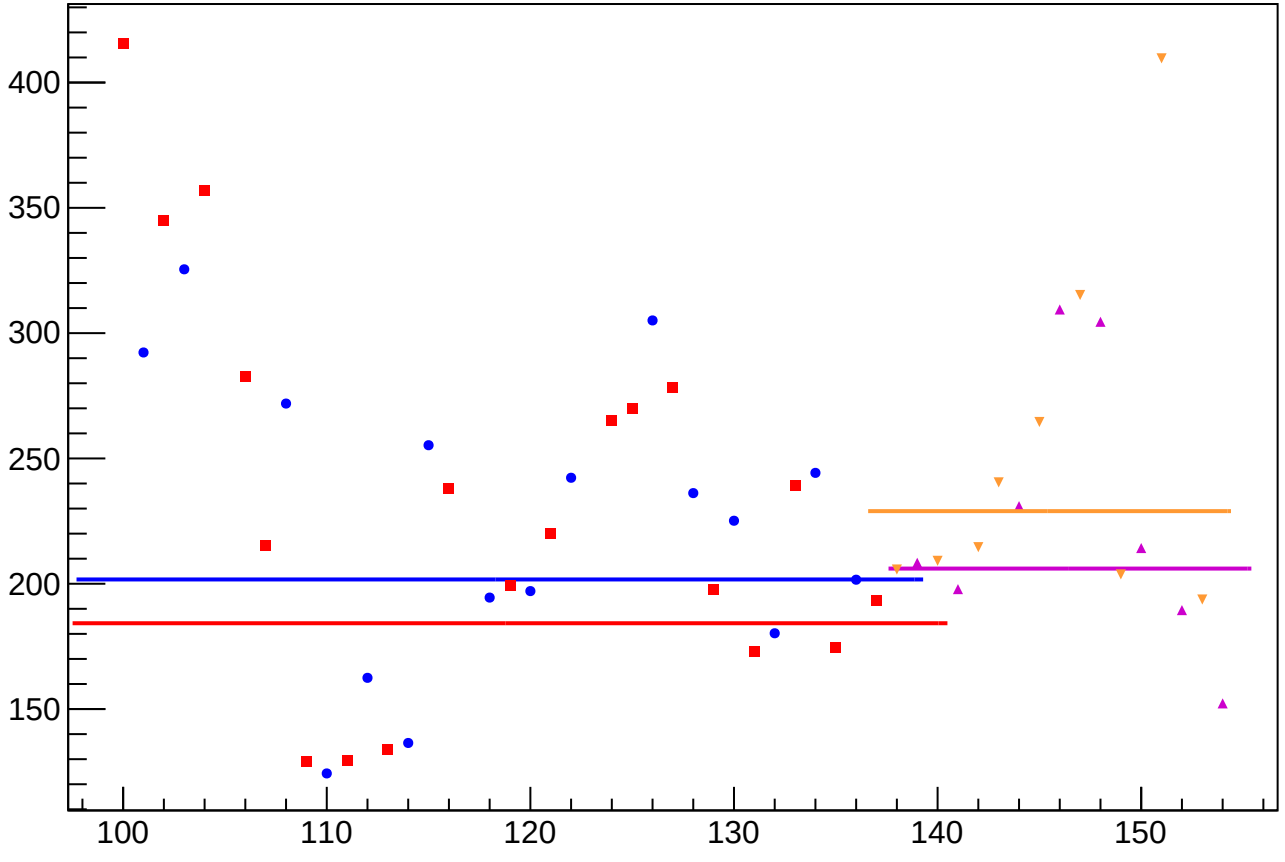
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -251.795+/-78.974 χ²/NDF: 441.2/15
Left Out: 1473.079+/-89.790 χ²/NDF:822.4/8
Right Out: -1047.132+/-72.190 χ²/NDF: 546.7/18
Left In: -408.248+/-82.315 χ²/NDF:519.6/7
Left: 450.864+/-60.676 χ²/NDF: 1580.5/16
Right: -685.086+/-53.283 χ²/NDF: 1043.2/34
In: -326.782+/-56.988 χ²/NDF:962.7/23
Out: -57.661+/-56.261 χ²/NDF:1847.6/27
All: -190.496+/-40.037 χ²/NDF: 2821.6/51

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: 206.055+/-0.058 χ^2/NDF:612601.1/7

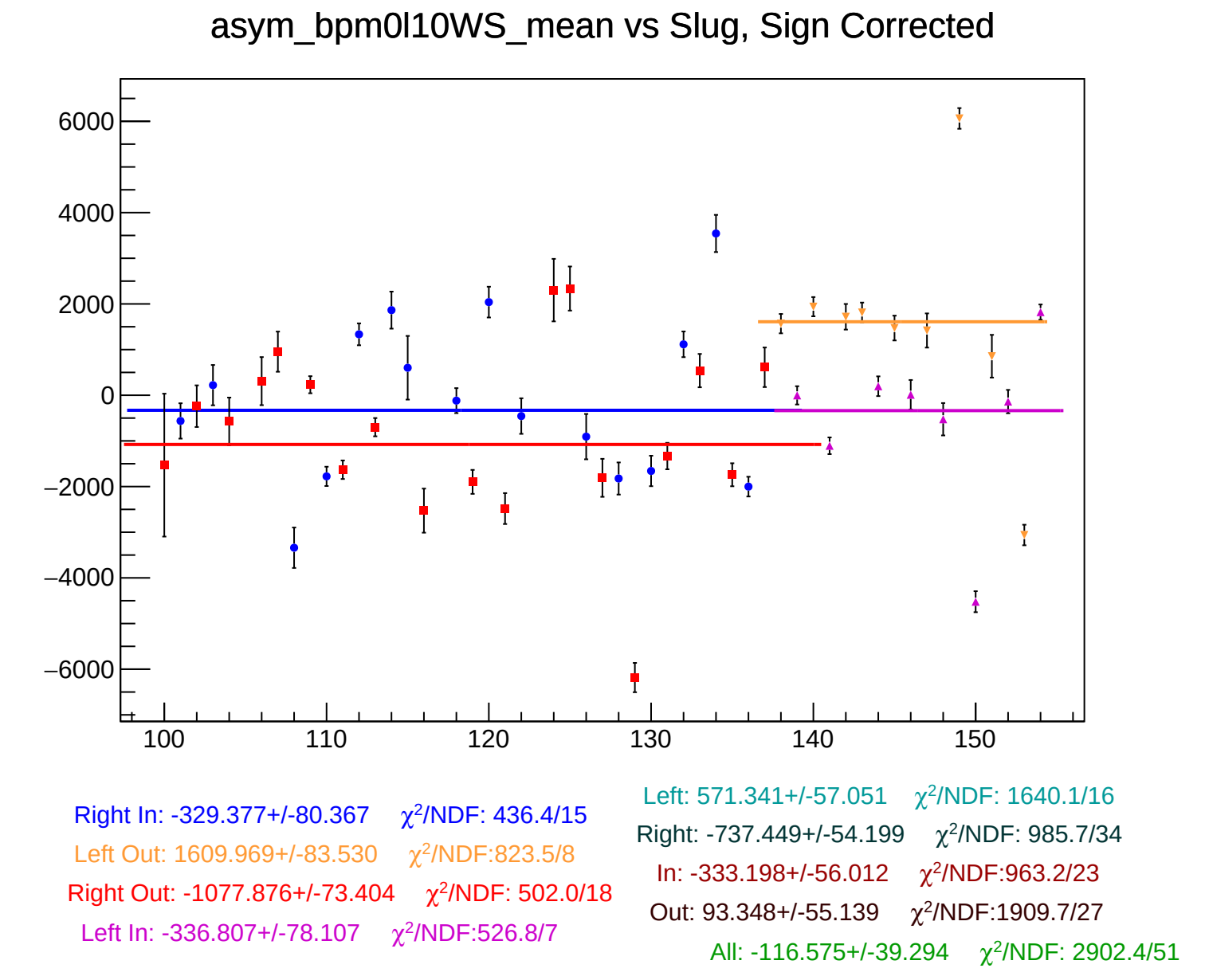
Left: 216.522+/-0.043 χ^2/NDF: 1264523.7/16

Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

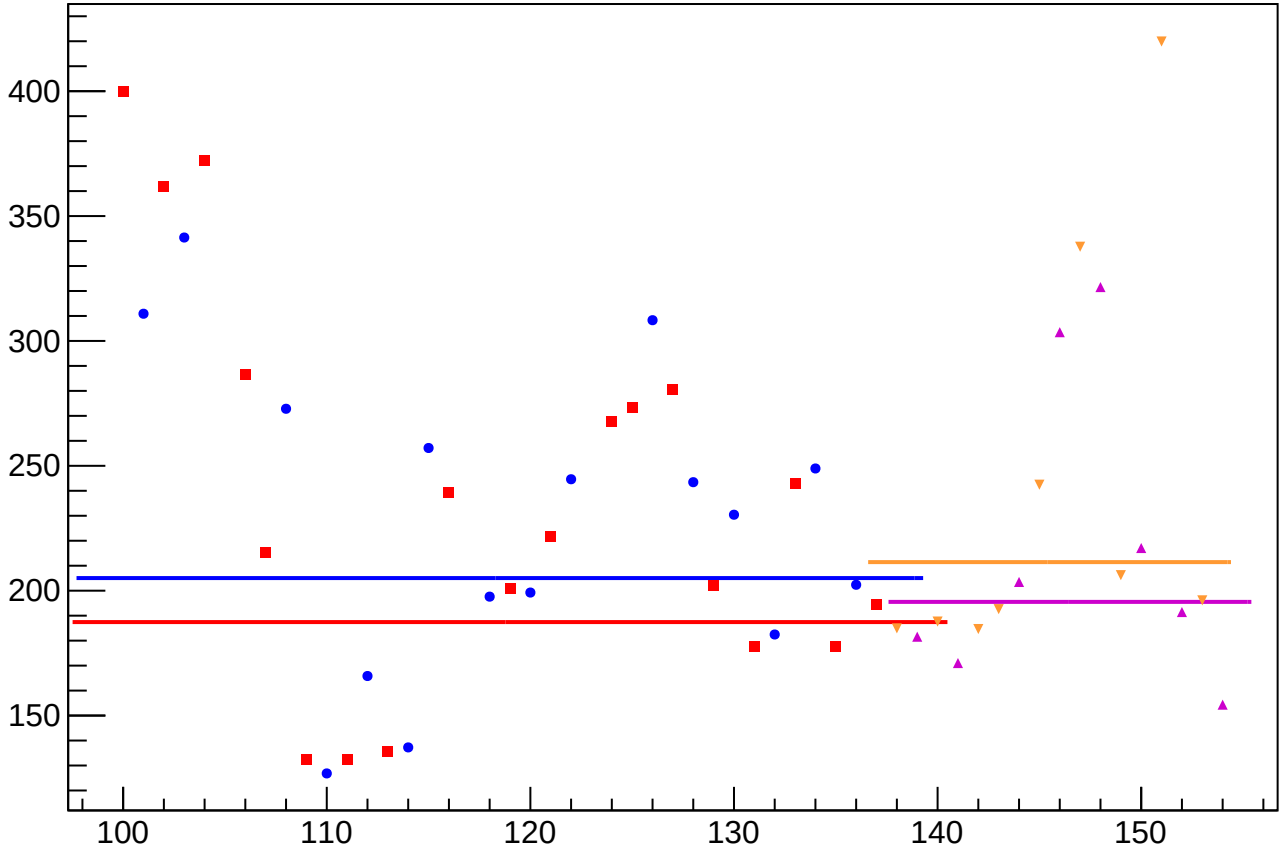
In: 203.794+/-0.040 χ^2/NDF:1539707.7/23

Out: 201.806+/-0.040 χ^2/NDF:2286365.8/27

All: 202.788+/-0.028 χ^2/NDF: 3827305.9/51


asym_bpm0l10WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -329.377+/-80.367 χ²/NDF: 436.4/15
Left Out: 1609.969+/-83.530 χ²/NDF:823.5/8
Right Out: -1077.876+/-73.404 χ²/NDF: 502.0/18
Left In: -336.807+/-78.107 χ²/NDF:526.8/7
Left: 571.341+/-57.051 χ²/NDF: 1640.1/16
Right: -737.449+/-54.199 χ²/NDF: 985.7/34
In: -333.198+/-56.012 χ²/NDF:963.2/23
Out: 93.348+/-55.139 χ²/NDF:1909.7/27
All: -116.575+/-39.294 χ²/NDF: 2902.4/51

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: 195.519+/-0.055 χ^2/NDF:664911.9/7

Left: 202.947+/-0.040 χ^2/NDF: 1454716.6/16

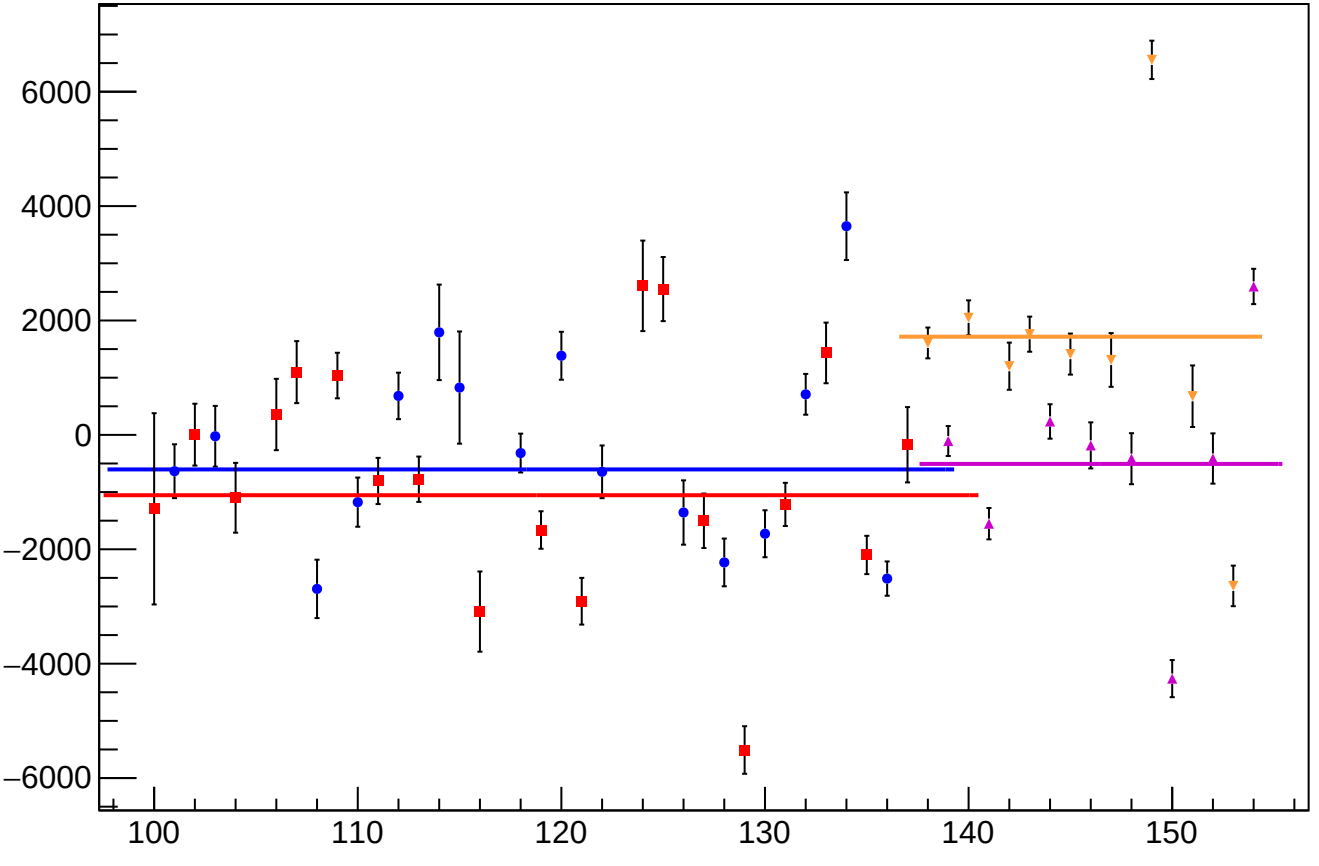
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 200.150+/-0.040 χ^2/NDF:1642439.5/23

Out: 197.895+/-0.039 χ^2/NDF:2255082.3/27

All: 199.004+/-0.028 χ^2/NDF: 3899168.2/51

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: -507.657+/-115.255 χ^2/NDF:258.6/7

Left: 592.379+/-81.943 χ^2/NDF: 810.4/16

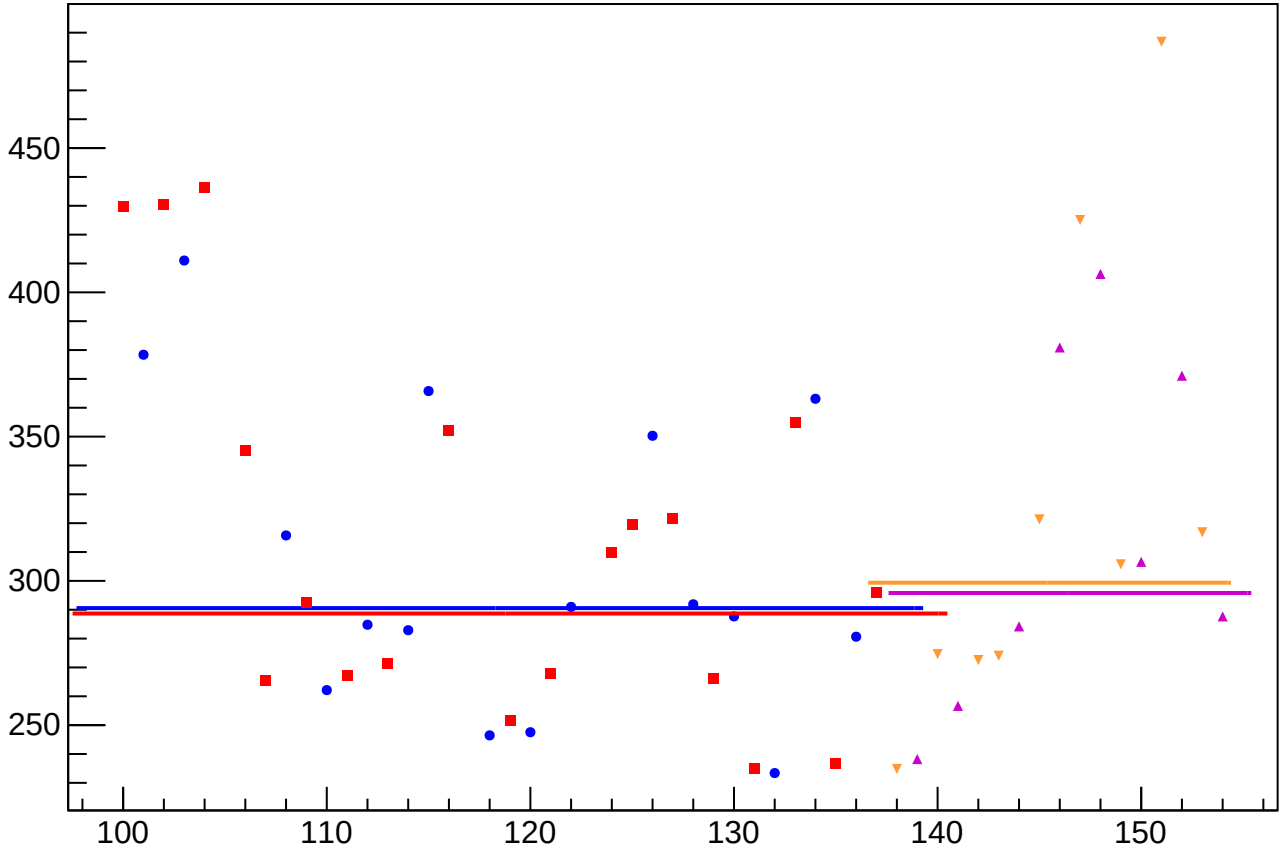
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -557.697+/-79.836 χ^2/NDF:452.5/23

Out: 229.407+/-79.314 χ^2/NDF:968.8/27

All: -161.563+/-56.267 χ^2/NDF: 1470.2/51

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: 295.809+/-0.081 χ^2/NDF:414670.8/7

Left: 297.570+/-0.058 χ^2/NDF: 964459.2/16

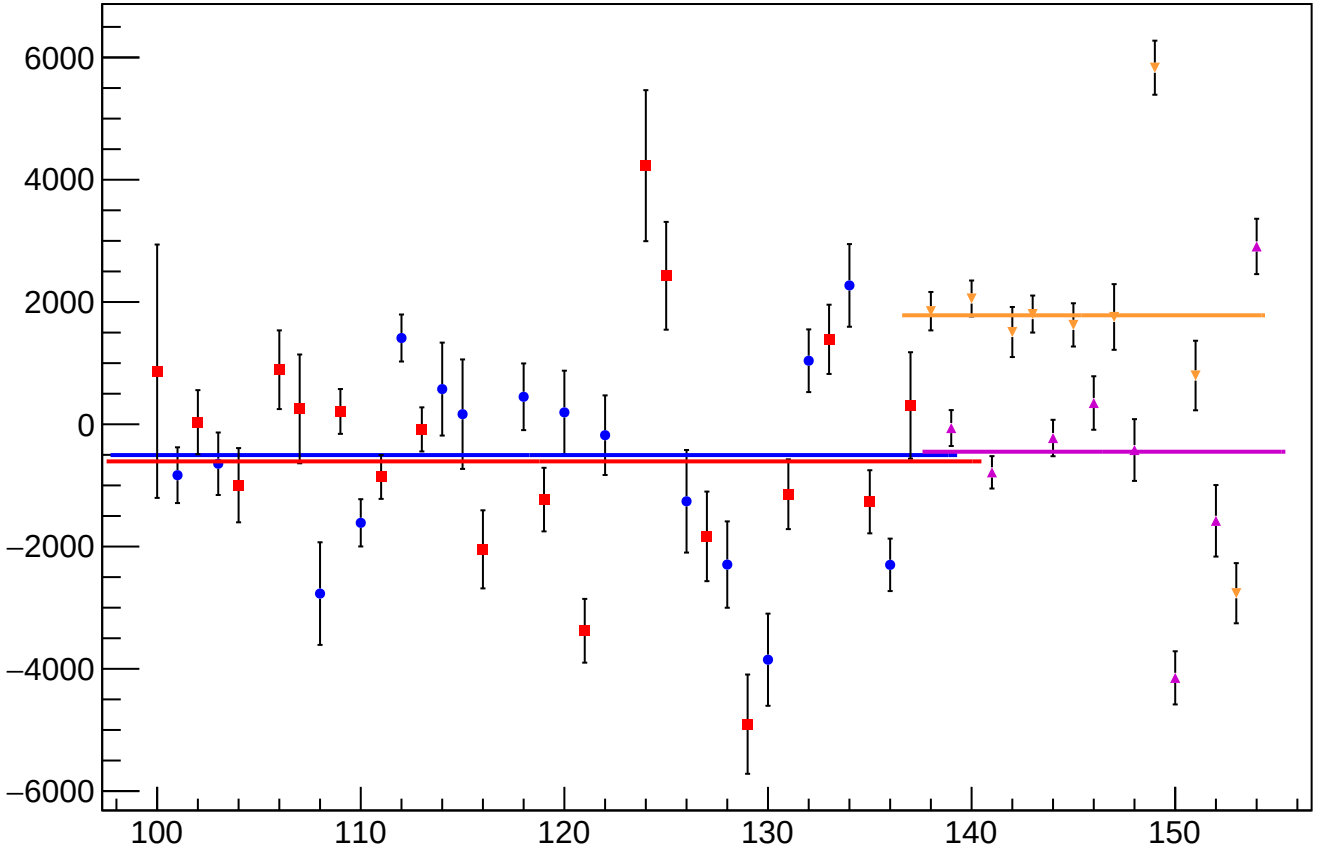
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.082+/-0.056 χ^2/NDF:776630.5/23

Out: 293.636+/-0.056 χ^2/NDF:1046962.3/27

All: 293.360+/-0.040 χ^2/NDF: 1823641.3/51

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: -448.920+/-129.836 χ^2/NDF:138.2/7

Left: 694.521+/-90.661 χ^2/NDF: 463.3/16

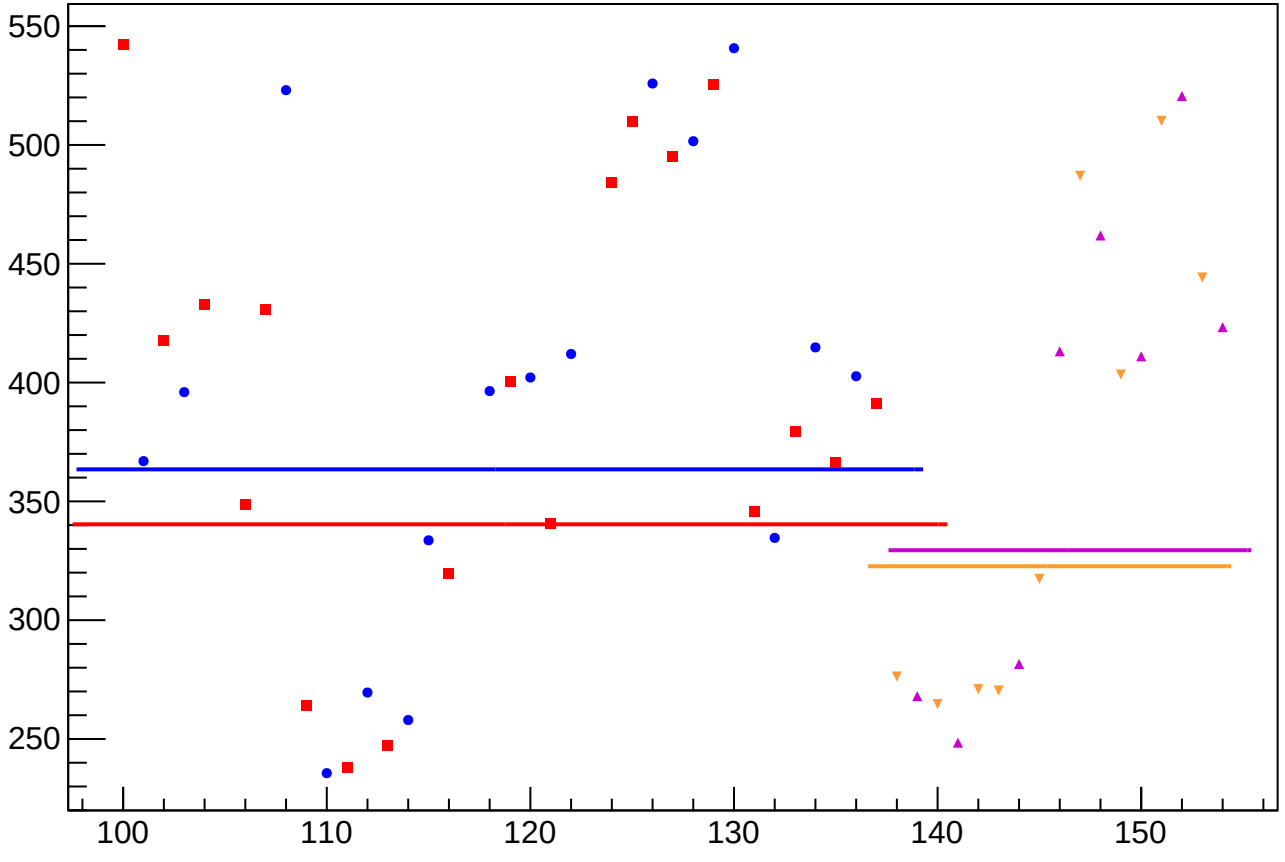
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -474.227+/-95.217 χ^2/NDF:256.6/23

Out: 615.407+/-90.584 χ^2/NDF:472.7/27

All: 97.743+/-65.629 χ^2/NDF: 798.0/51

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: 329.440+/-0.092 χ^2/NDF:906503.6/7

Left: 325.983+/-0.064 χ^2/NDF: 1715475.4/16

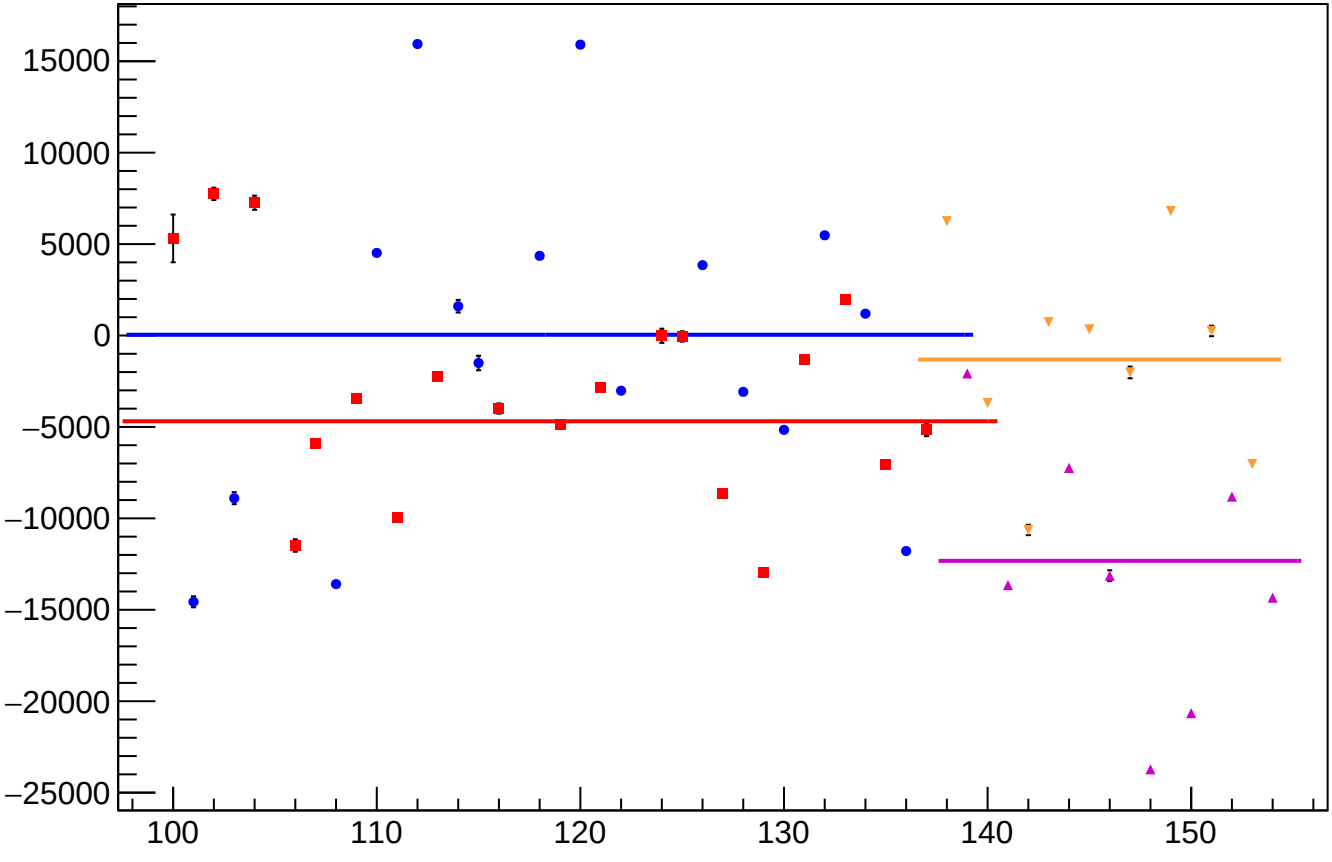
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 345.169+/-0.067 χ^2/NDF:1750899.8/23

Out: 331.309+/-0.064 χ^2/NDF:1681383.8/27

All: 337.893+/-0.046 χ^2/NDF: 3454527.0/51

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: -12323.323+/-73.568 χ^2/NDF:7280.5/7

Left: -6824.446+/-52.049 χ^2/NDF: 24255.5/16

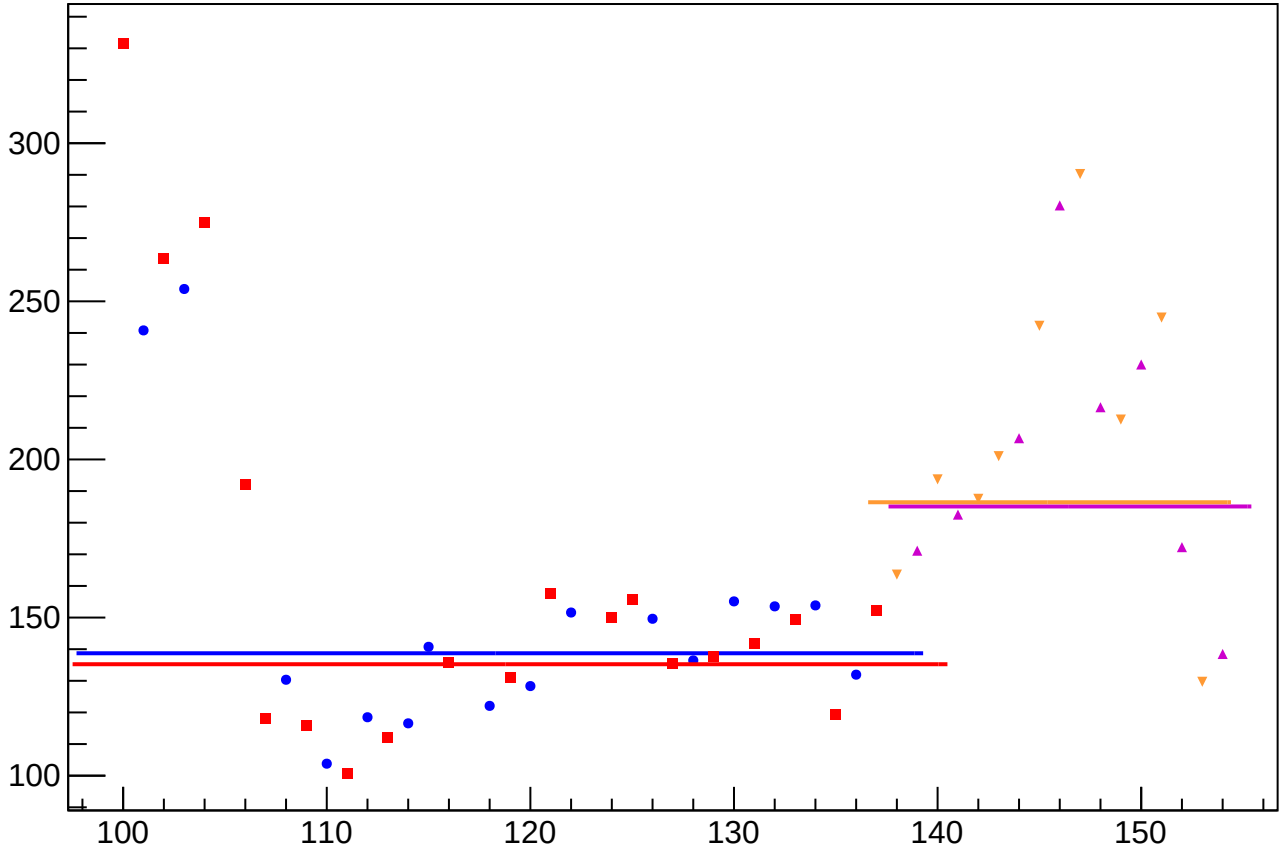
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4308.919+/-43.636 χ^2/NDF:56375.7/23

Out: -3563.796+/-42.531 χ^2/NDF:14985.3/27

All: -3926.804+/-30.457 χ^2/NDF: 71510.5/51

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: 185.132+/-0.052 χ^2/NDF:539443.4/7

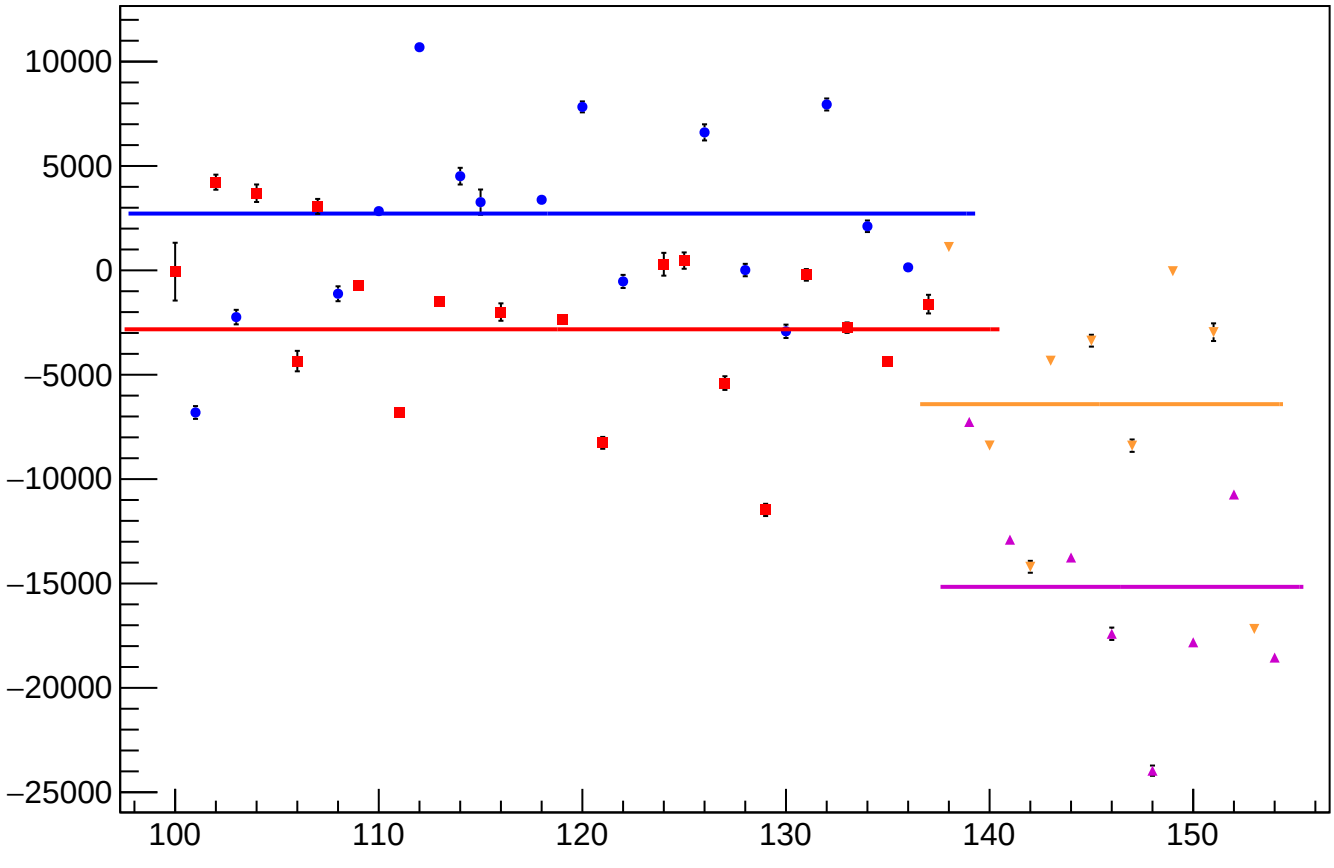
Left: 185.798+/-0.037 χ^2/NDF: 1294309.9/16

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.043+/-0.031 χ^2/NDF:1713378.3/23

Out: 152.326+/-0.030 χ^2/NDF:2289310.4/27

All: 153.650+/-0.022 χ^2/NDF: 4006664.4/51



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: -15160.865+/-73.792 χ^2/NDF:4110.4/7

Left: -11177.241+/-54.465 χ^2/NDF: 16780.4/16

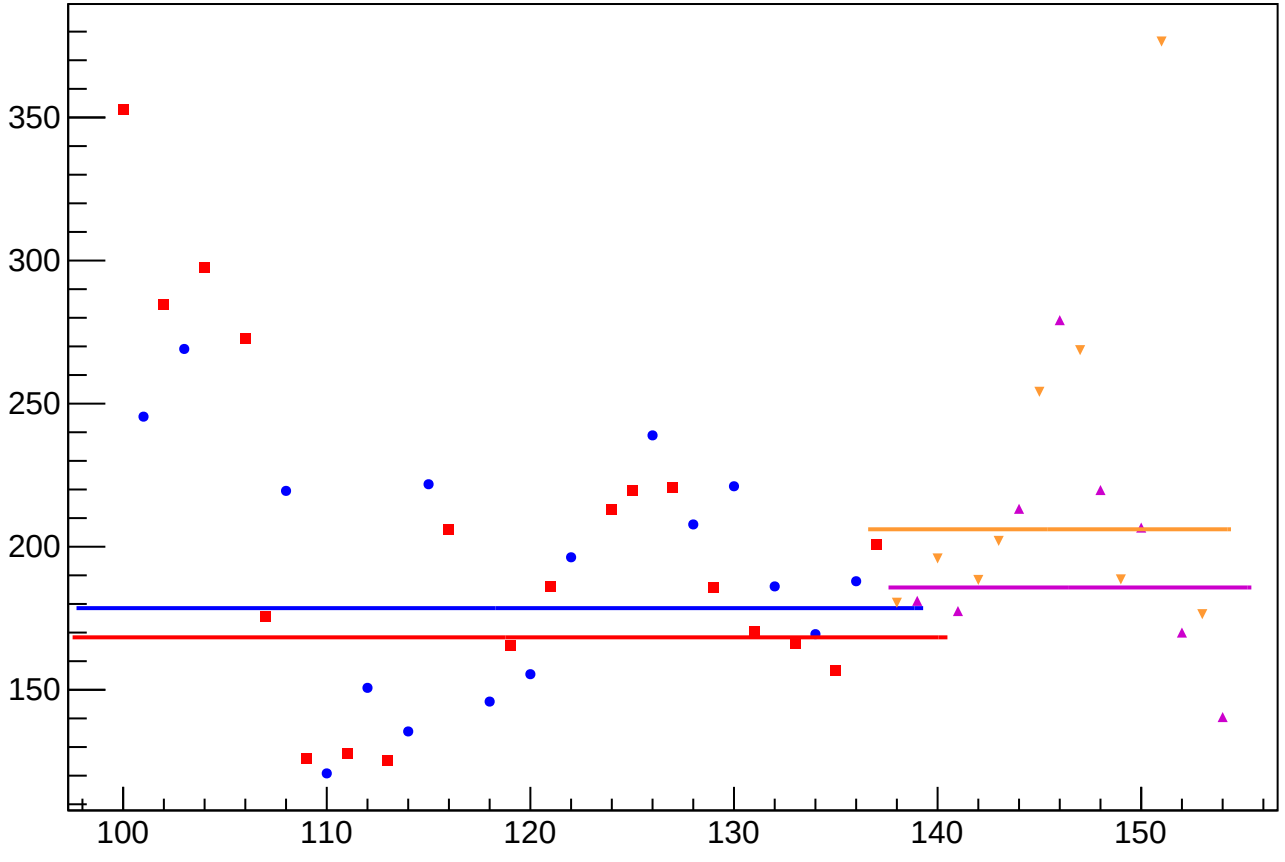
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5652.907+/-50.495 χ^2/NDF:39461.3/23

Out: -4230.257+/-50.557 χ^2/NDF:10530.2/27

All: -4942.450+/-35.727 χ^2/NDF: 50387.9/51

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: 185.758+/-0.052 χ^2/NDF:476748.5/7

Left: 195.015+/-0.039 χ^2/NDF: 1116830.9/16

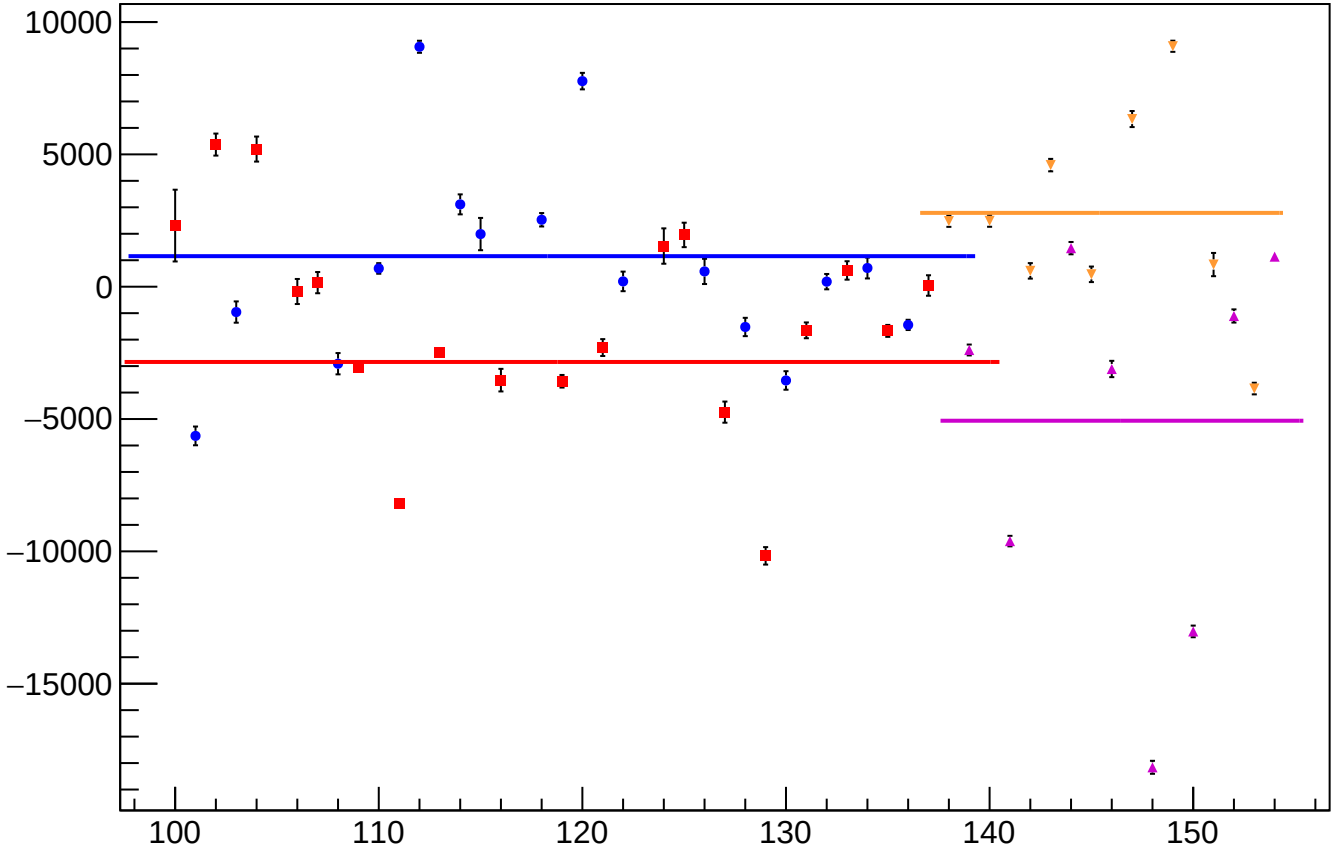
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.921+/-0.036 χ^2/NDF:1161487.8/23

Out: 183.145+/-0.036 χ^2/NDF:1816366.0/27

All: 182.532+/-0.025 χ^2/NDF: 2978440.7/51

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: -5064.329+/-77.114 χ^2/NDF:7340.4/7

Left: -1473.316+/-56.811 χ^2/NDF: 14222.3/16

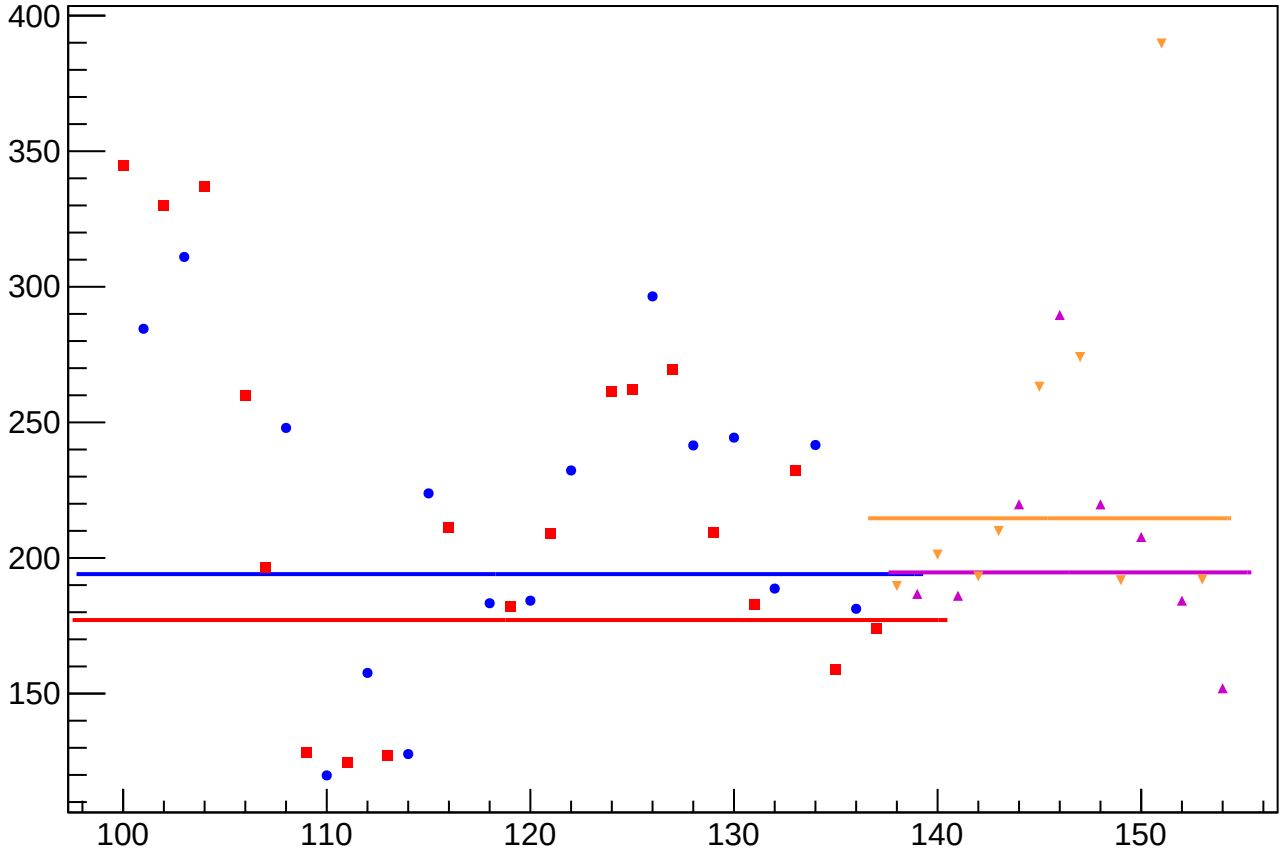
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1908.261+/-54.114 χ^2/NDF:13296.0/23

Out: -569.360+/-53.386 χ^2/NDF:7272.7/27

All: -1229.750+/-38.004 χ^2/NDF: 20879.0/51

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: 194.680+/-0.055 χ^2/NDF:386025.1/7

Left: 203.807+/-0.040 χ^2/NDF: 985732.6/16

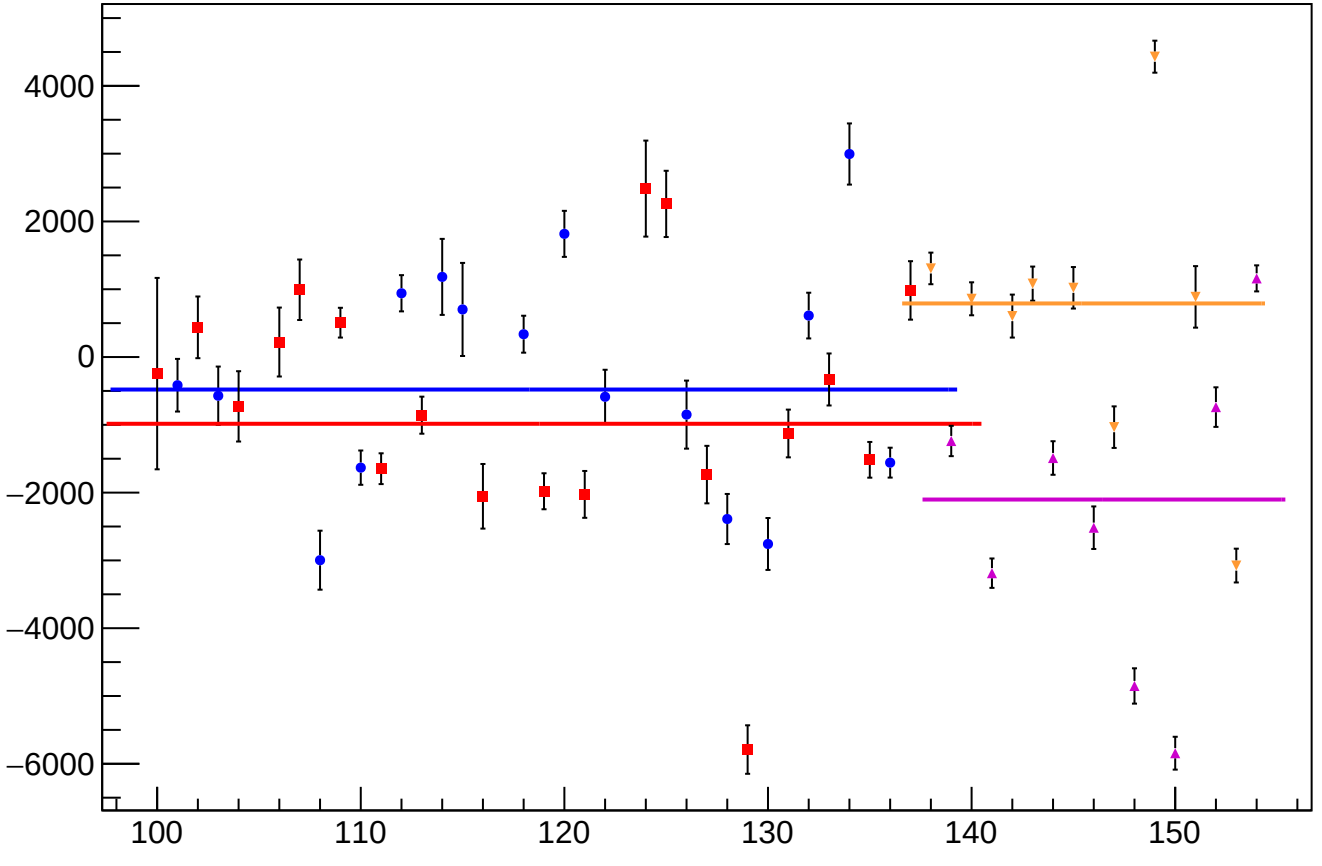
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.362+/-0.038 χ^2/NDF:1351878.4/23

Out: 192.267+/-0.038 χ^2/NDF:2135672.0/27

All: 193.300+/-0.027 χ^2/NDF: 3489069.7/51

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: -2101.997+/-85.033 χ^2/NDF:707.6/7

Left: -750.895+/-62.074 χ^2/NDF: 1769.1/16

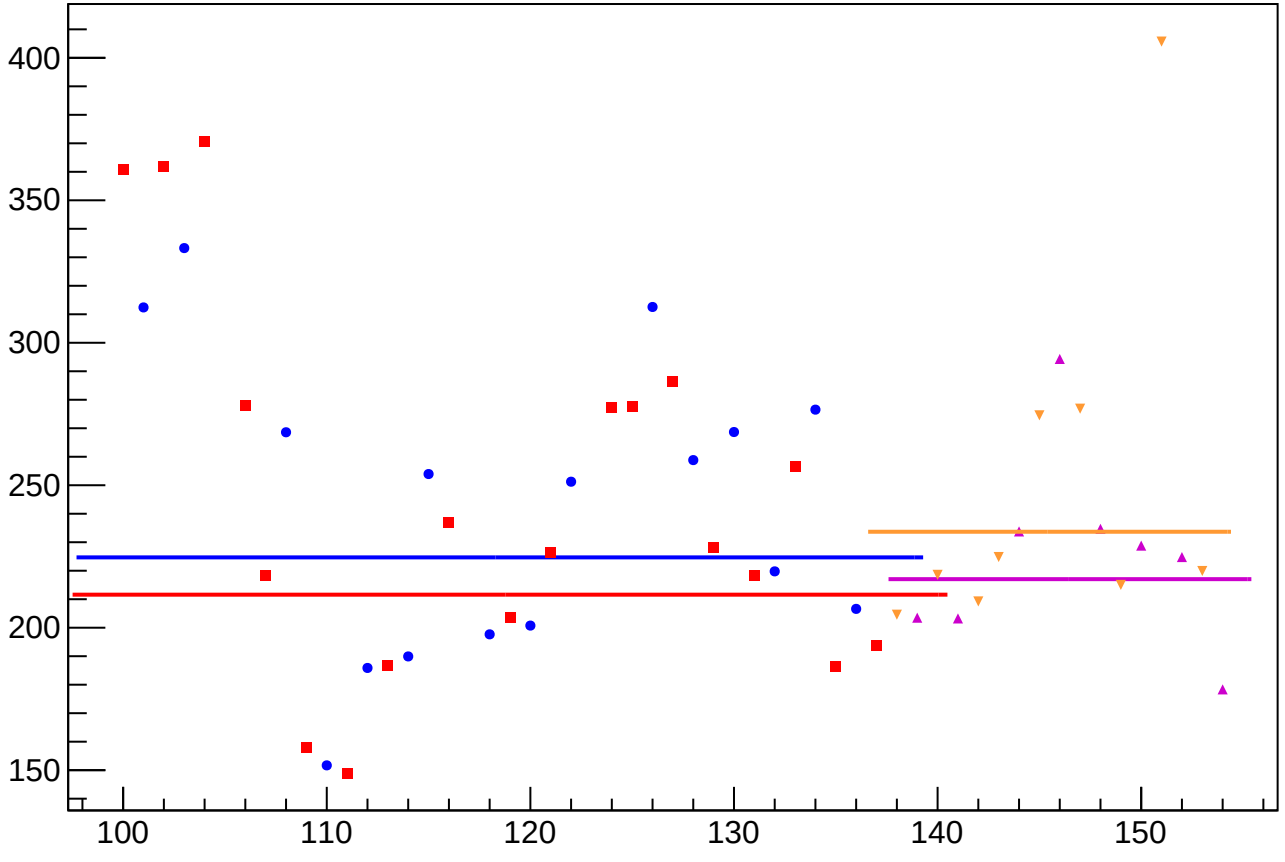
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1306.263+/-60.703 χ^2/NDF:1191.6/23

Out: -198.737+/-60.429 χ^2/NDF:1132.0/27

All: -749.995+/-42.826 χ^2/NDF: 2490.8/51

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: 217.041+/-0.060 χ^2/NDF:242203.9/7

Left: 224.813+/-0.044 χ^2/NDF: 712643.9/16

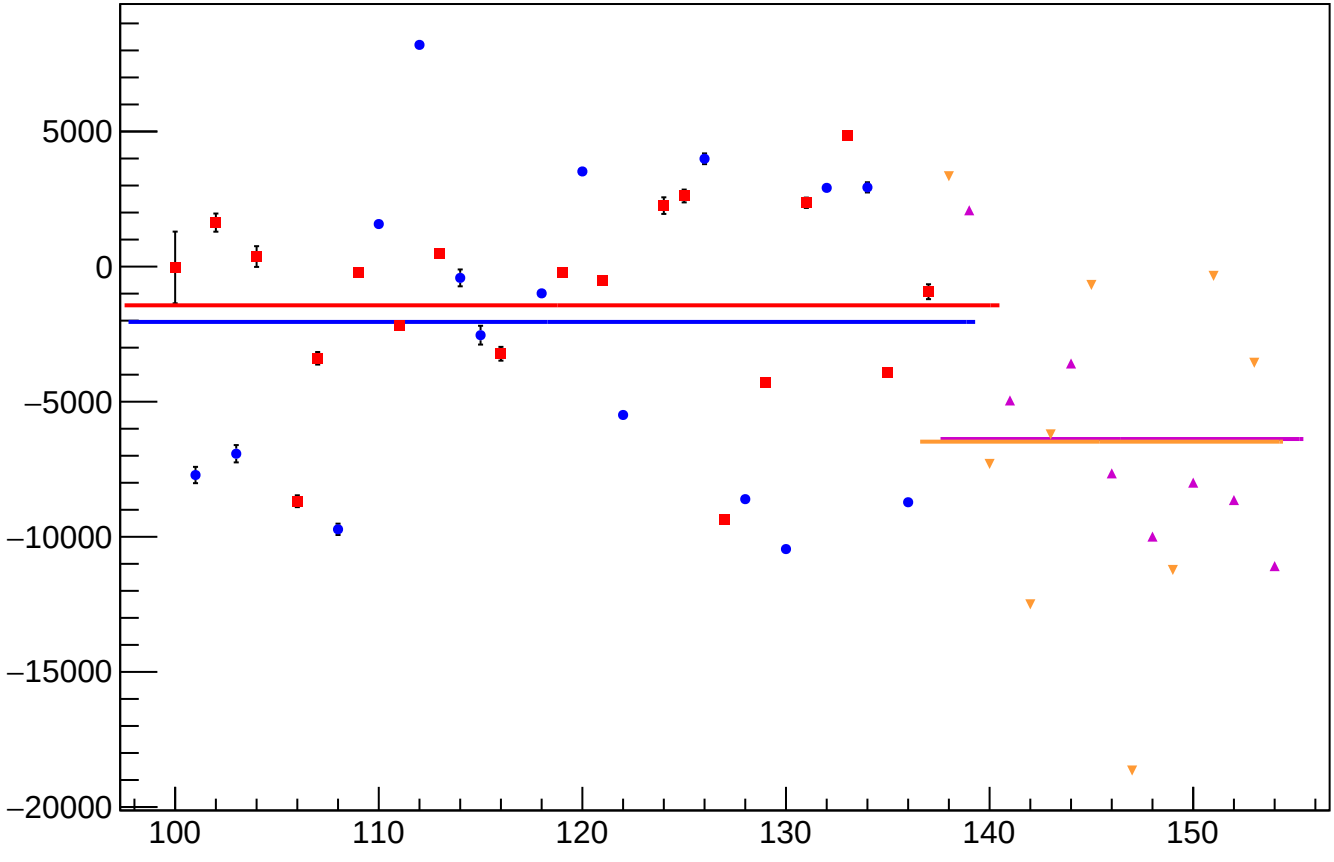
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 220.789+/-0.043 χ^2/NDF:903317.1/23

Out: 221.371+/-0.043 χ^2/NDF:1433480.4/27

All: 221.081+/-0.030 χ^2/NDF: 2336890.1/51

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: -6381.011+/-43.932 χ^2/NDF:7948.7/7

Left: -6430.636+/-30.766 χ^2/NDF: 31432.2/16

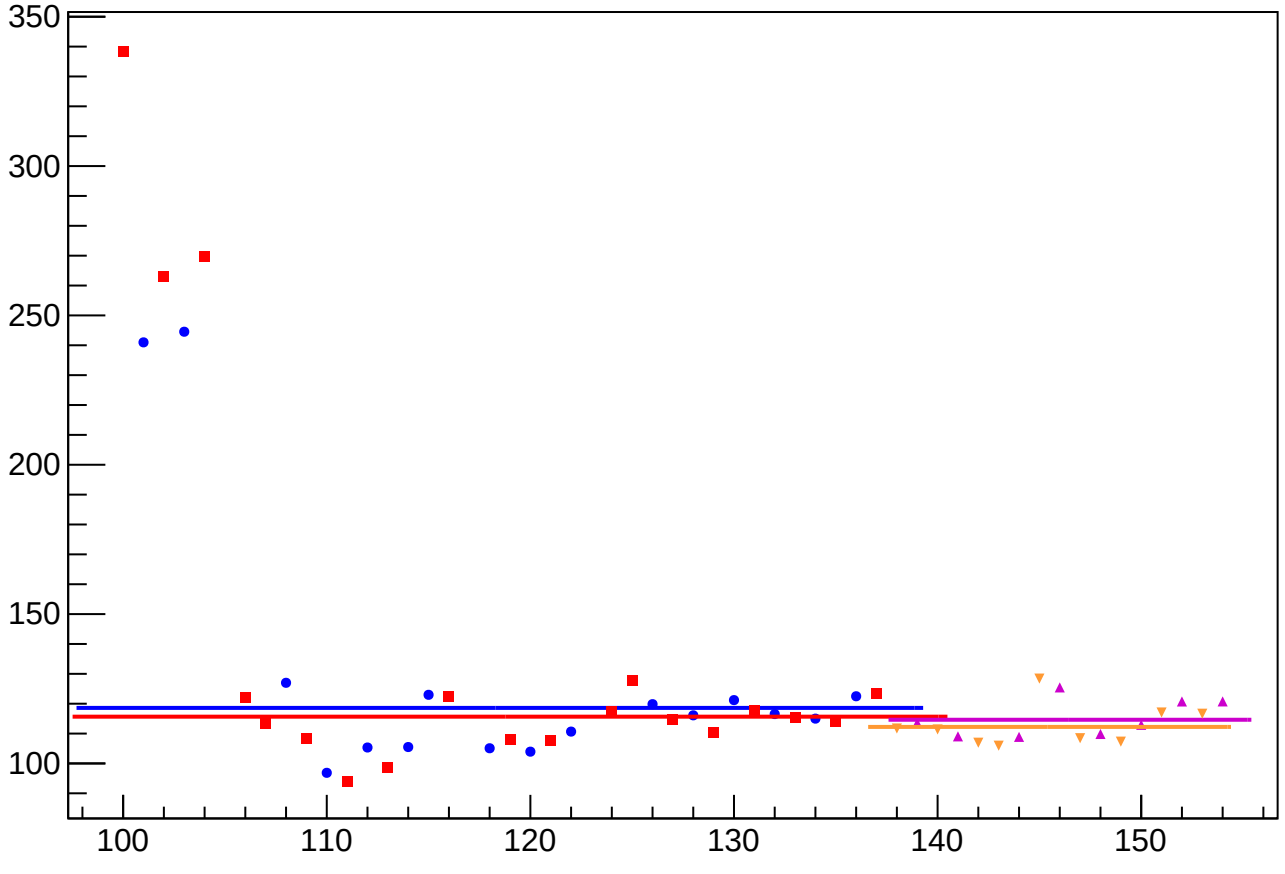
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4347.369+/-32.006 χ^2/NDF:29224.2/23

Out: -4049.300+/-31.036 χ^2/NDF:36467.0/27

All: -4193.750+/-22.280 χ^2/NDF: 65735.9/51

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: 114.625+/-0.031 χ^2/NDF:34818.4/7

Left: 113.404+/-0.022 χ^2/NDF: 81034.3/16

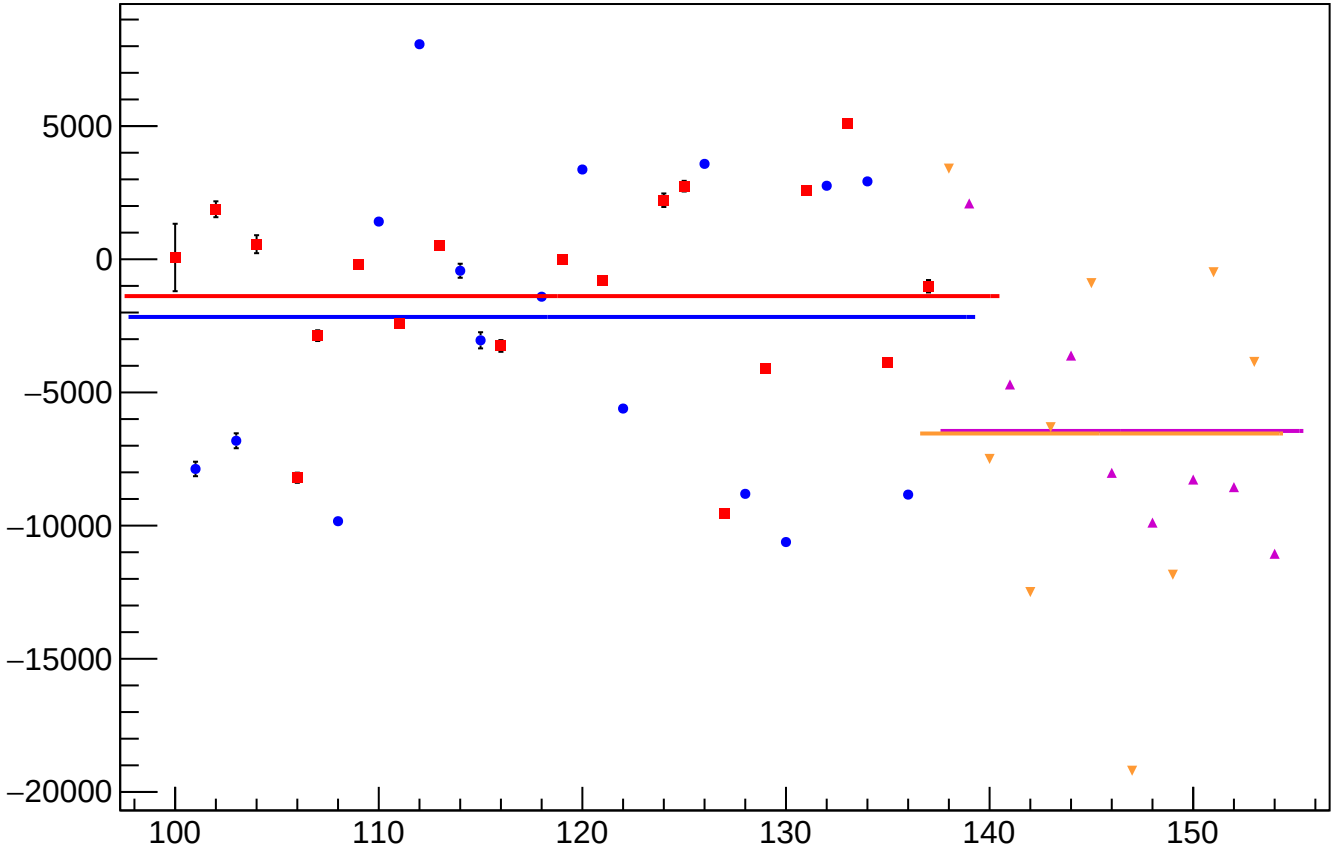
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.488+/-0.023 χ^2/NDF:776643.9/23

Out: 113.881+/-0.022 χ^2/NDF:913491.3/27

All: 115.144+/-0.016 χ^2/NDF: 1696978.3/51

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: -6446.216+/-40.563 χ^2/NDF:9603.4/7

Left: -6495.558+/-28.199 χ^2/NDF: 38053.3/16

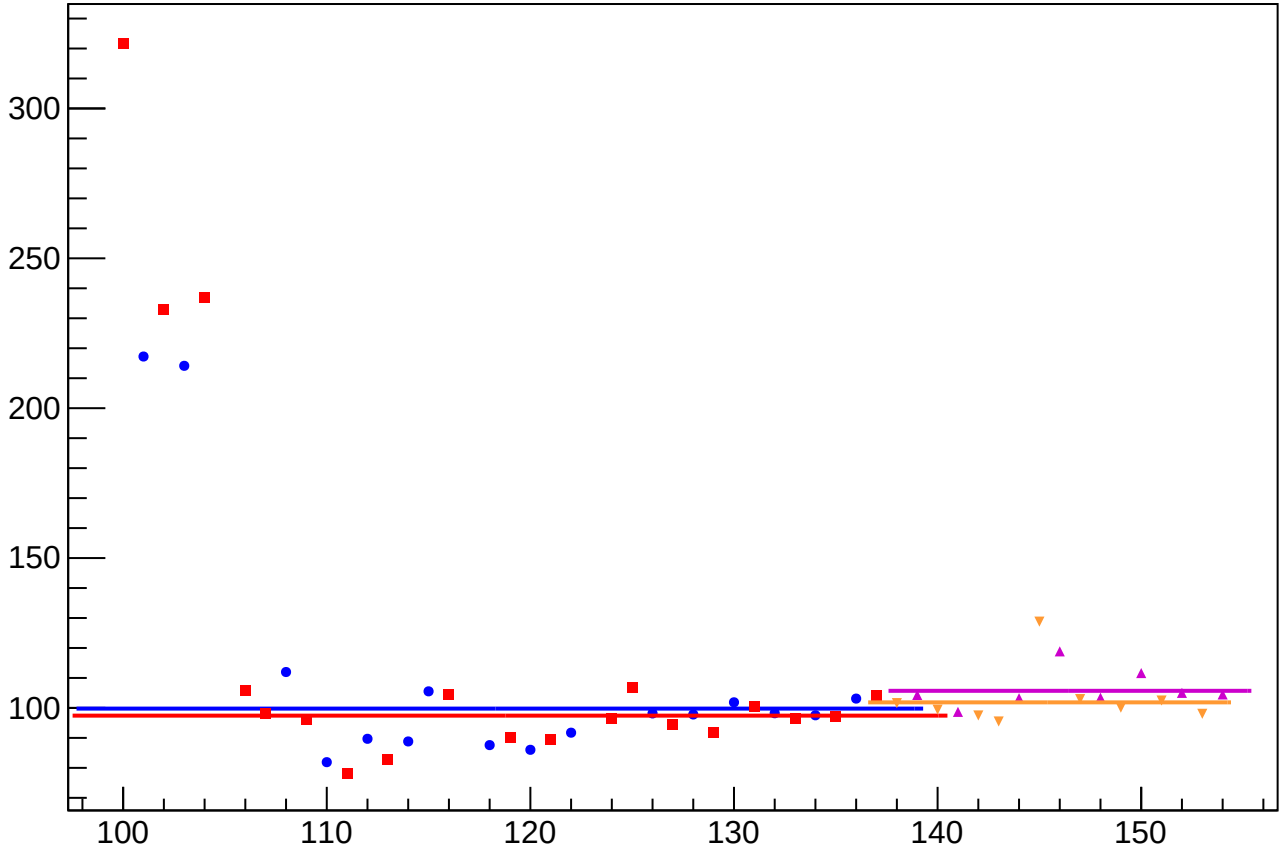
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4256.348+/-28.348 χ^2/NDF:38175.0/23

Out: -3878.618+/-27.286 χ^2/NDF:46522.0/27

All: -4060.276+/-19.659 χ^2/NDF: 84789.3/51

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: 105.706+/-0.029 χ^2/NDF:37570.0/7

Left: 103.715+/-0.020 χ^2/NDF: 128389.4/16

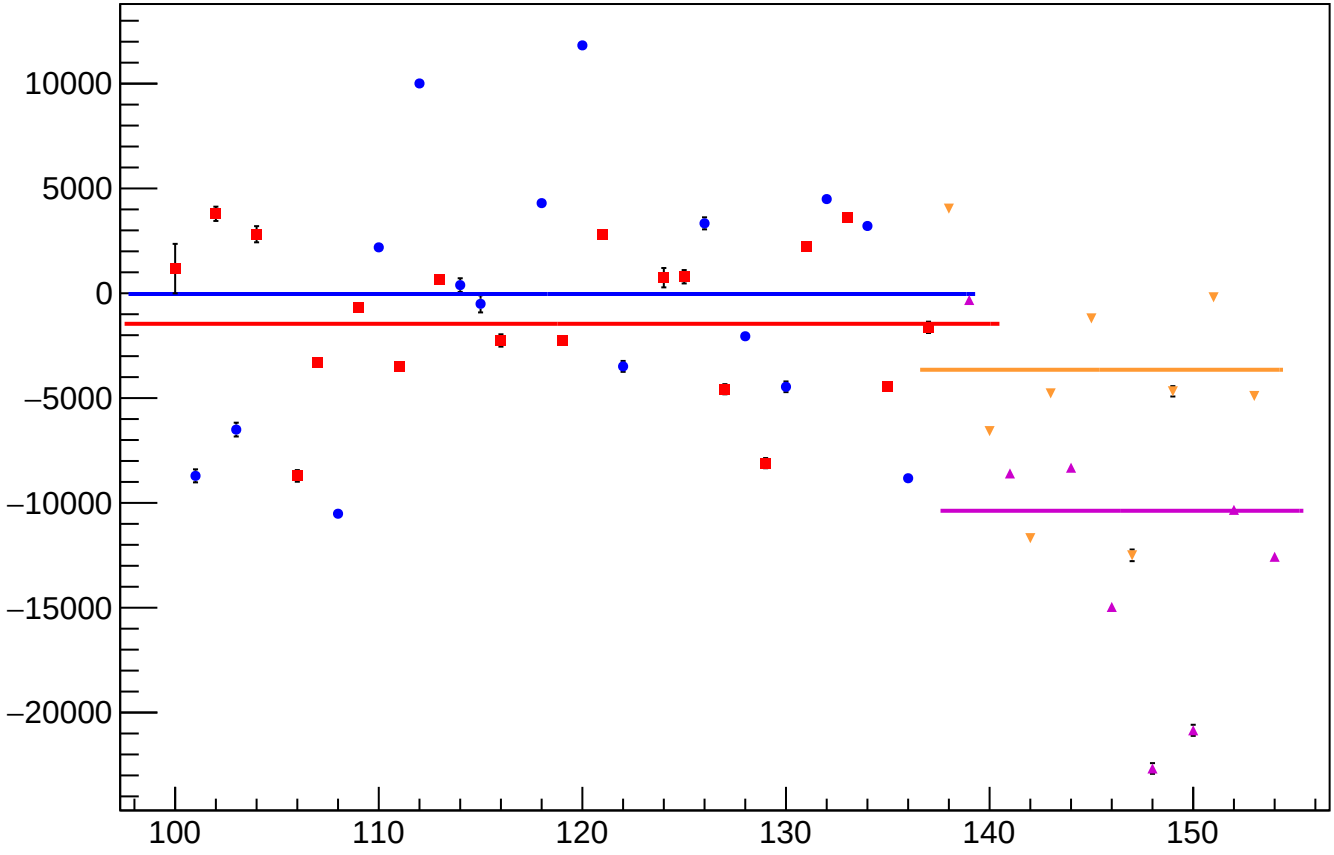
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 102.671+/-0.020 χ^2/NDF:868600.1/23

Out: 99.568+/-0.019 χ^2/NDF:1020686.0/27

All: 101.061+/-0.014 χ^2/NDF: 1901723.9/51

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: -10375.552+/-64.564 χ^2/NDF:8797.5/7

Left: -6878.019+/-44.734 χ^2/NDF: 20022.3/16

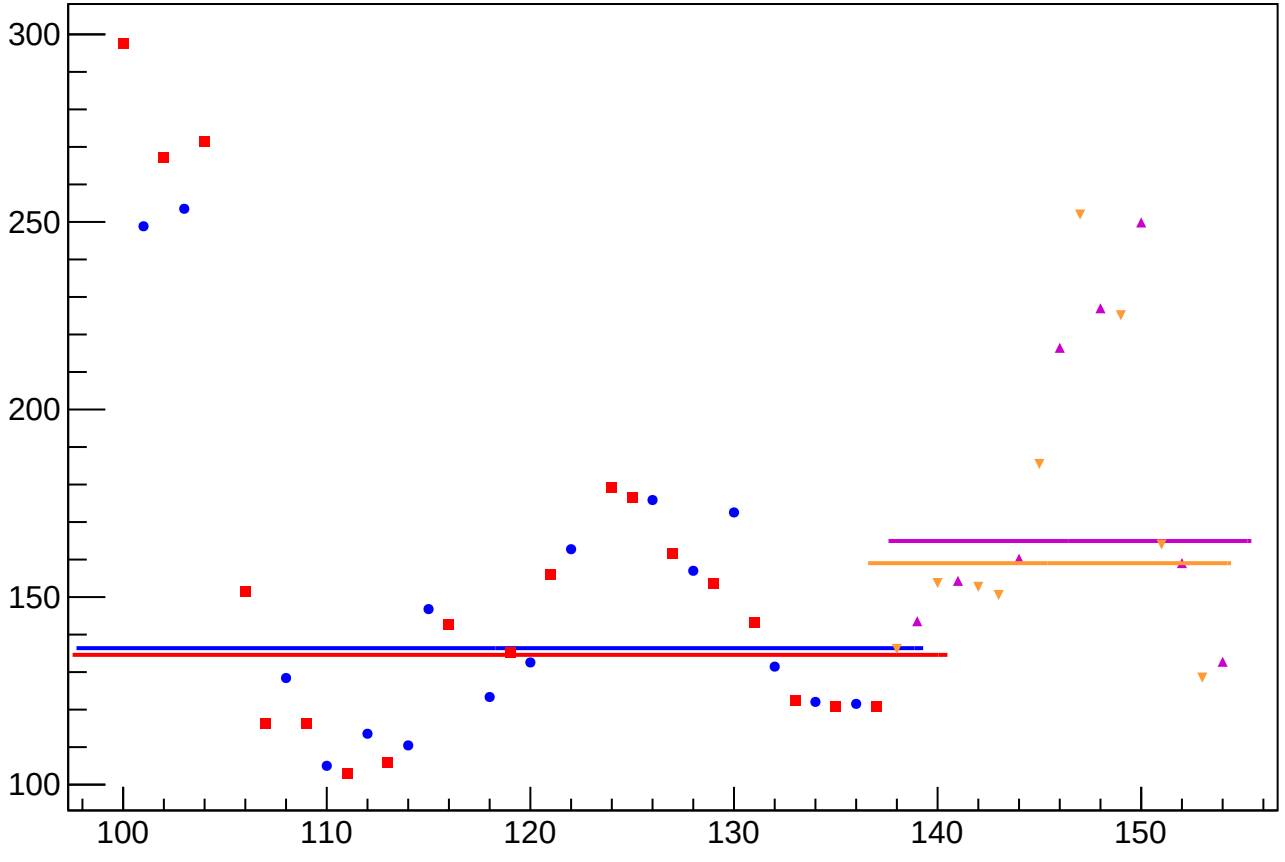
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4241.265+/-41.179 χ^2/NDF:40817.8/23

Out: -2360.172+/-39.828 χ^2/NDF:10431.8/27

All: -3269.344+/-28.628 χ^2/NDF: 52327.8/51

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: 164.951+/-0.046 χ^2/NDF:576148.6/7

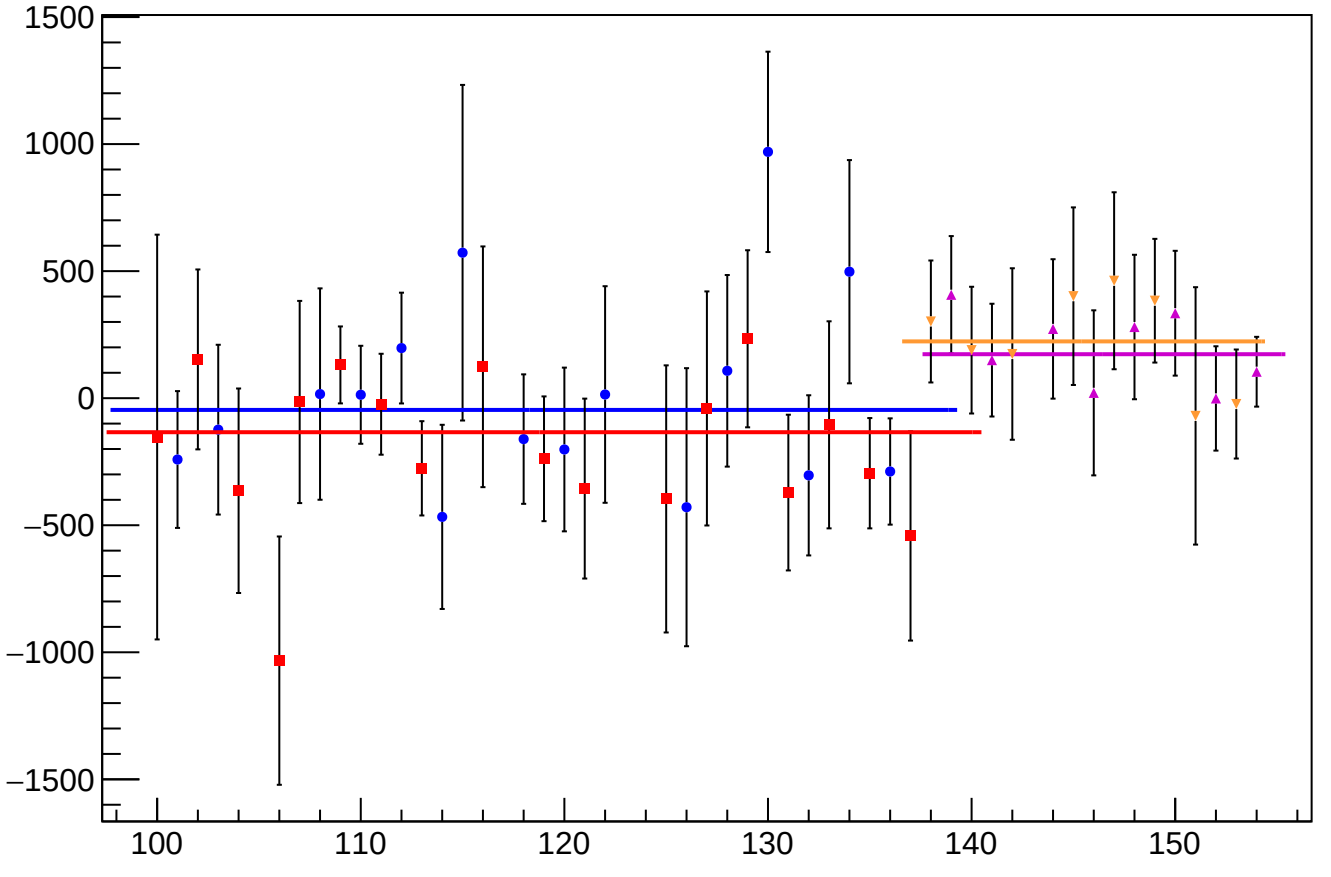
Left: 161.874+/-0.032 χ^2/NDF: 1128984.7/16

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 148.004+/-0.029 χ^2/NDF:1605276.1/23

Out: 144.669+/-0.028 χ^2/NDF:1646097.7/27

All: 146.281+/-0.020 χ^2/NDF: 3258151.8/51



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: 173.075+/-77.266 χ^2/NDF:2.9/7

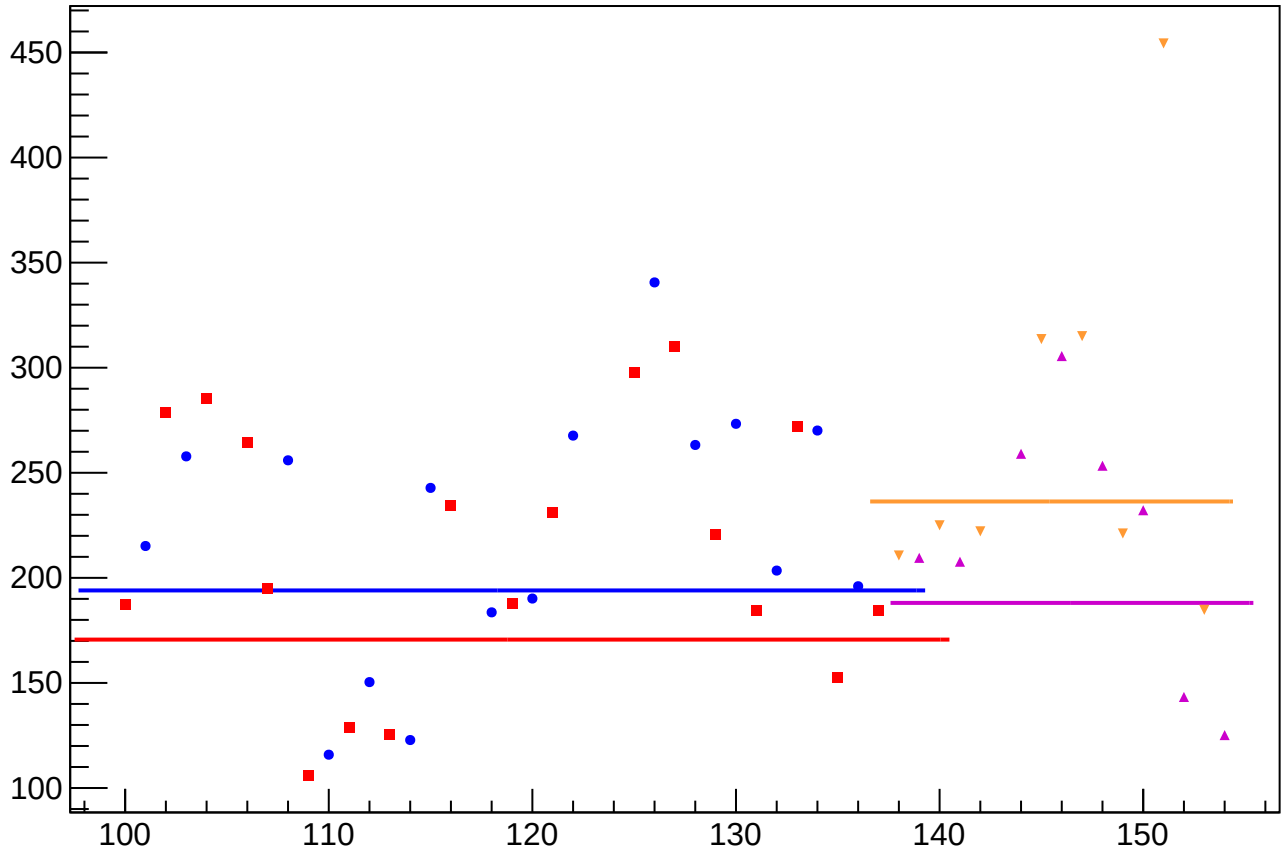
Left: 192.062+/-61.009 χ^2/NDF: 6.1/15

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 62.034+/-54.284 χ^2/NDF:22.5/23

Out: -19.063+/-56.360 χ^2/NDF:24.6/25

All: 23.006+/-39.098 χ^2/NDF: 48.1/49



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: 188.084+/-0.055 χ^2/NDF:1112626.8/7

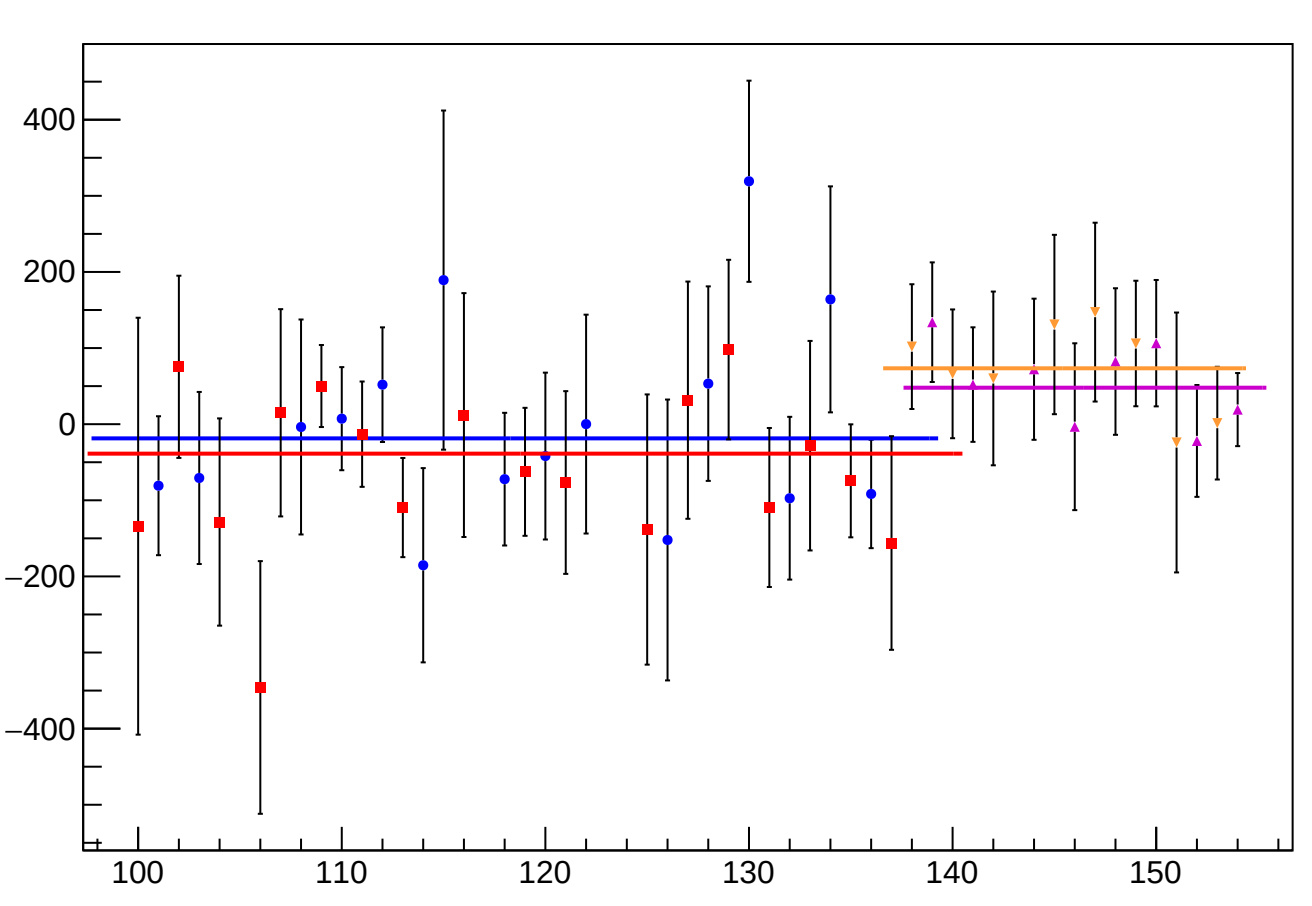
Left: 206.257+/-0.043 χ^2/NDF: 2130733.7/15

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 191.088+/-0.038 χ^2/NDF:2162187.5/23

Out: 191.743+/-0.040 χ^2/NDF:2911143.8/25

All: 191.403+/-0.028 χ^2/NDF: 5073471.4/49



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: 47.922+/-26.633 χ^2/NDF:3.4/7

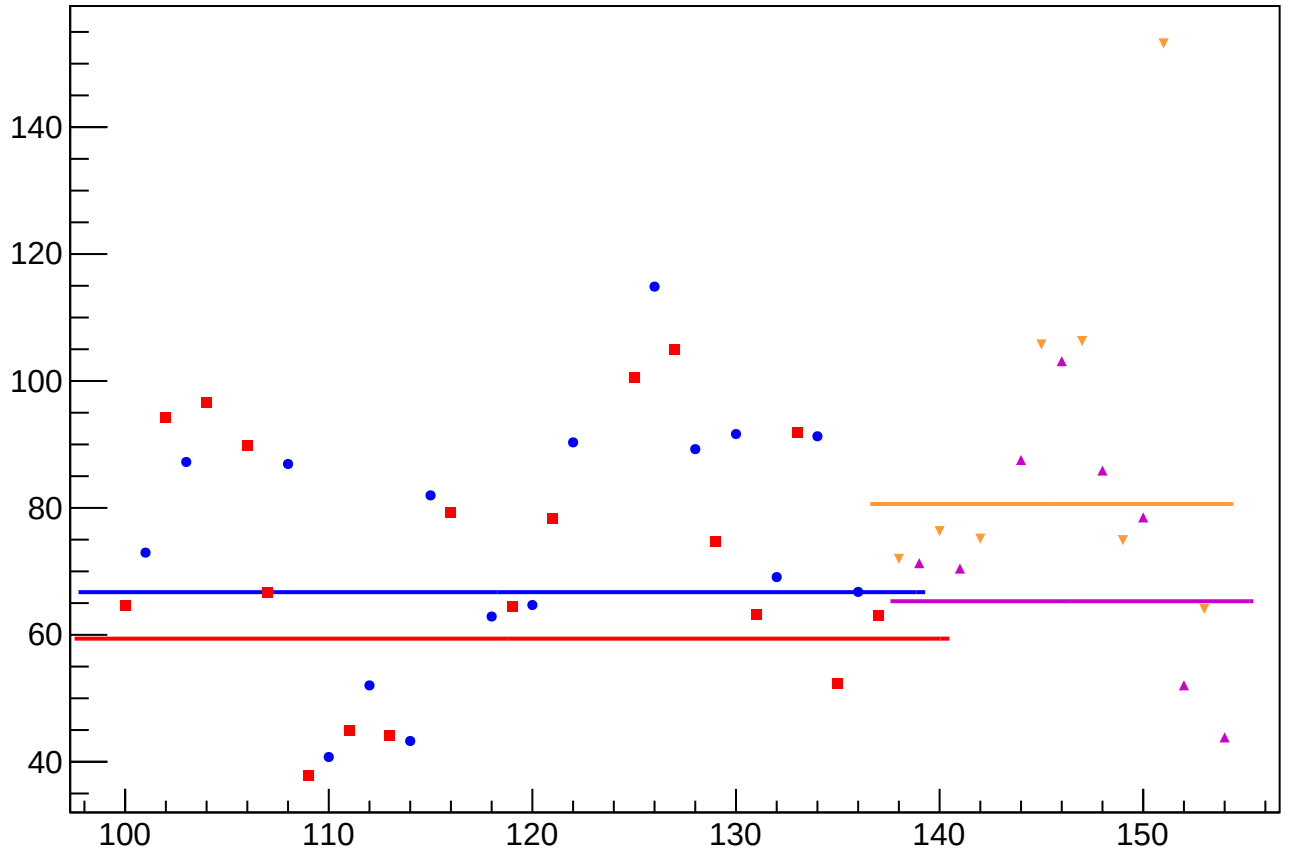
Left: 57.677+/-20.927 χ^2/NDF: 5.9/15

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 13.995+/-18.649 χ^2/NDF:21.8/23

Out: -1.904+/-19.385 χ^2/NDF:22.2/25

All: 6.353+/-13.439 χ^2/NDF: 44.3/49



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: 65.297+/-0.019 χ^2/NDF:980747.8/7

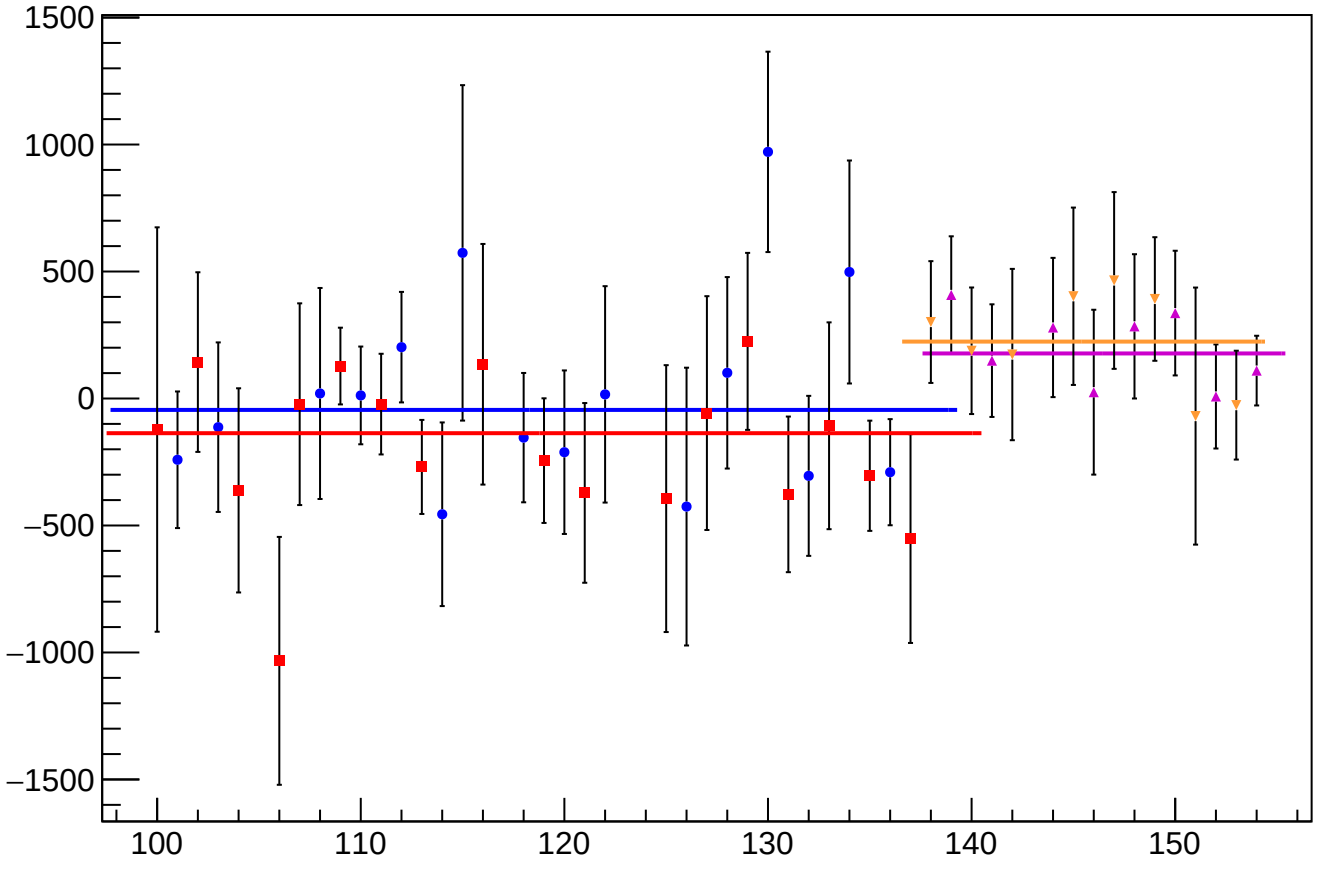
Left: 71.158+/-0.015 χ^2/NDF: 1923243.1/15

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 66.025+/-0.013 χ^2/NDF:1930714.8/23

Out: 66.365+/-0.014 χ^2/NDF:2662995.5/25

All: 66.188+/-0.010 χ^2/NDF: 4594031.6/49



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: 177.415+/-77.196 χ^2/NDF:2.9/7

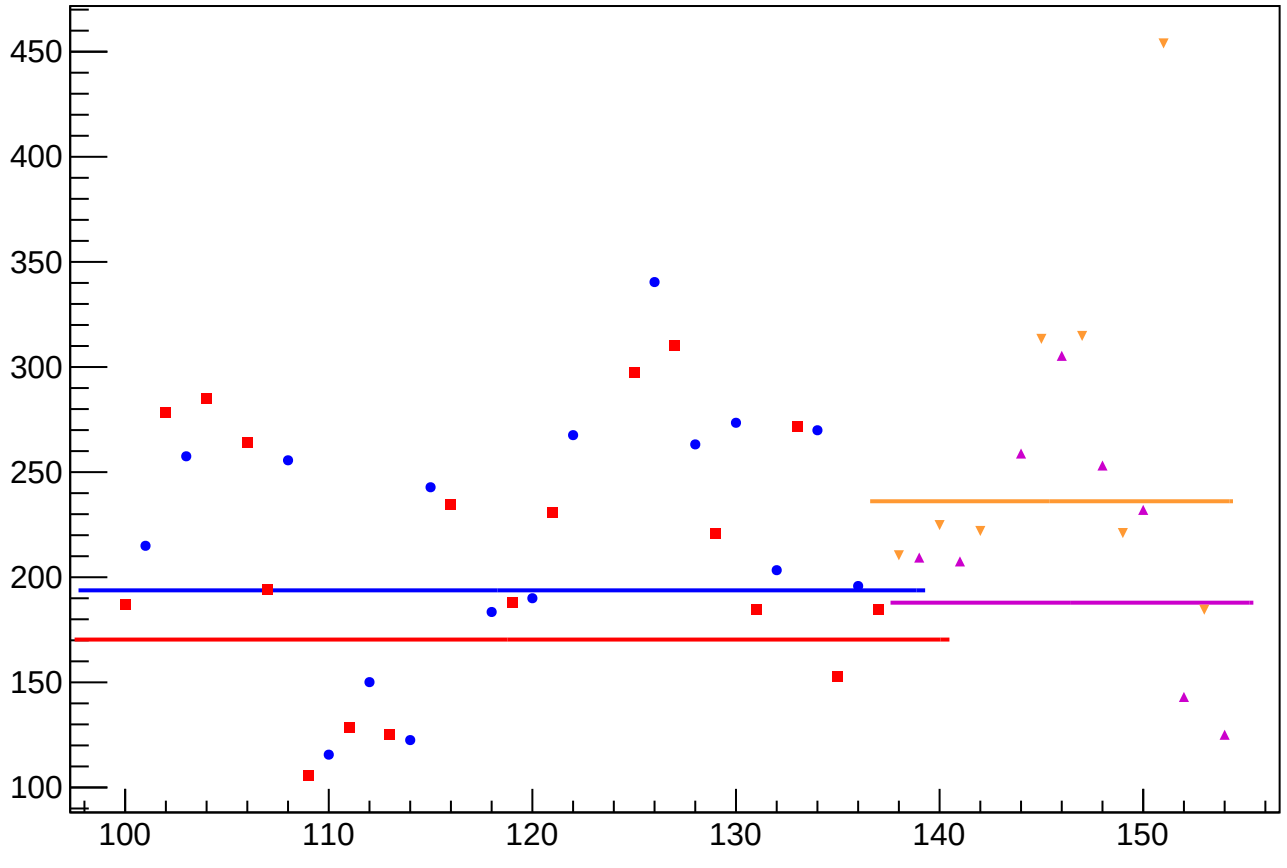
Left: 194.984+/-60.956 χ^2/NDF: 6.1/15

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 64.802+/-54.230 χ^2/NDF:22.5/23

Out: -20.766+/-56.294 χ^2/NDF:24.9/25

All: 23.616+/-39.056 χ^2/NDF: 48.6/49



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: 187.902+/-0.055 χ^2/NDF:1113728.6/7

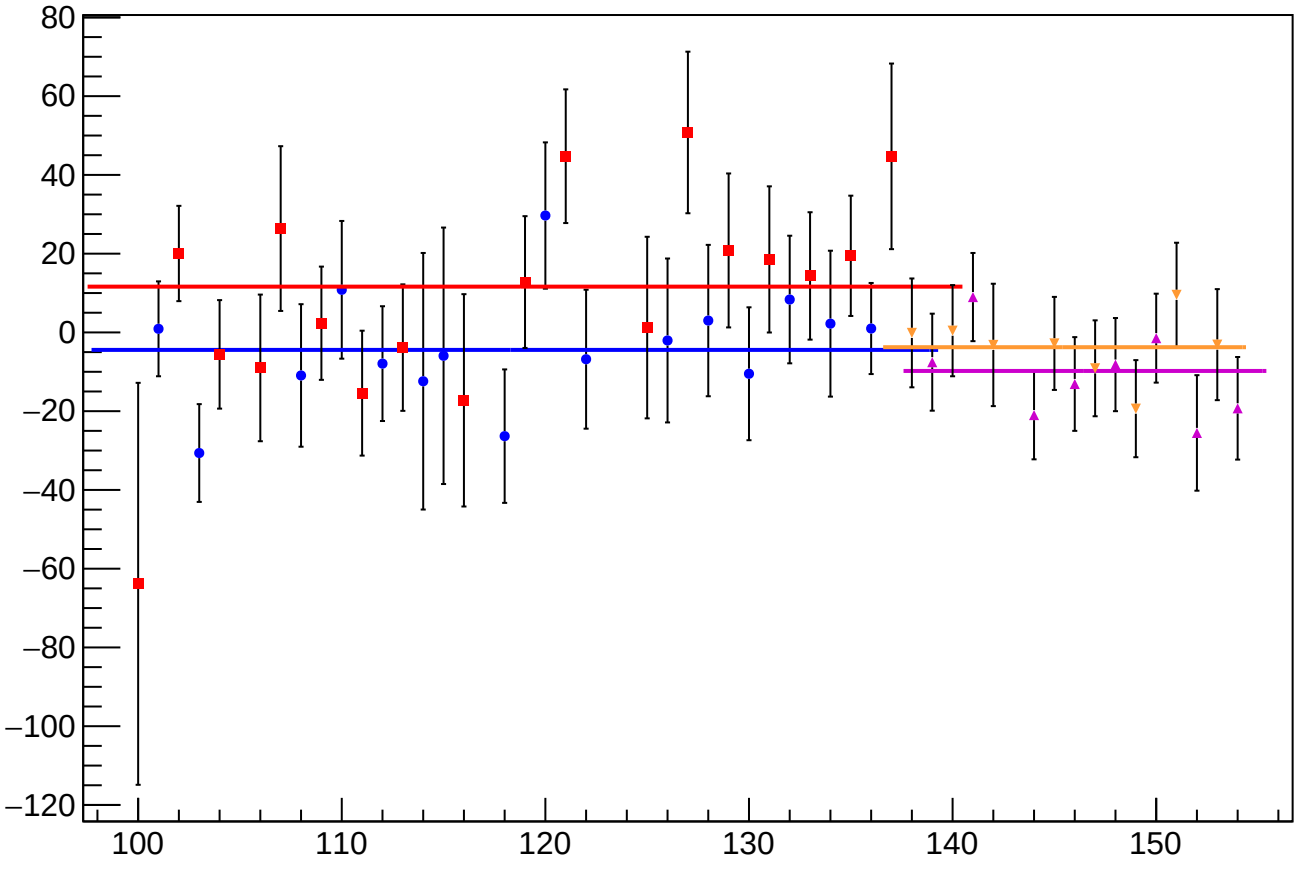
Left: 206.066+/-0.043 χ^2/NDF: 2132458.3/15

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 190.873+/-0.038 χ^2/NDF:2167672.8/23

Out: 191.483+/-0.040 χ^2/NDF:2919132.6/25

All: 191.167+/-0.028 χ^2/NDF: 5086927.4/49



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: -9.784+/-4.261 χ^2/NDF:6.2/7

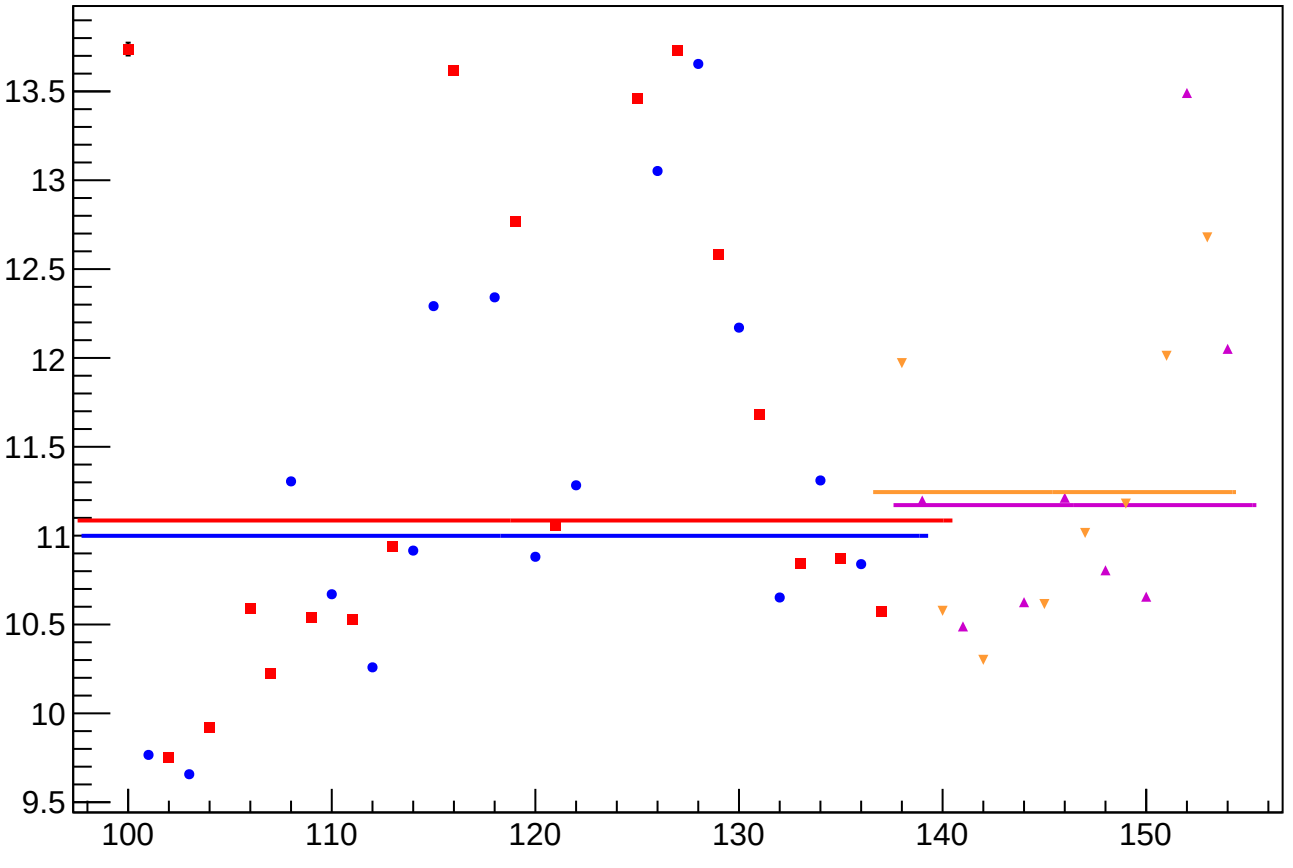
Left: -6.974+/-3.114 χ^2/NDF: 10.1/15

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -7.029+/-2.966 χ^2/NDF:18.9/23

Out: 4.686+/-3.064 χ^2/NDF:30.9/25

All: -1.362+/-2.131 χ^2/NDF: 57.4/49



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: 11.172+/-0.003 χ^2/NDF:77391.4/7

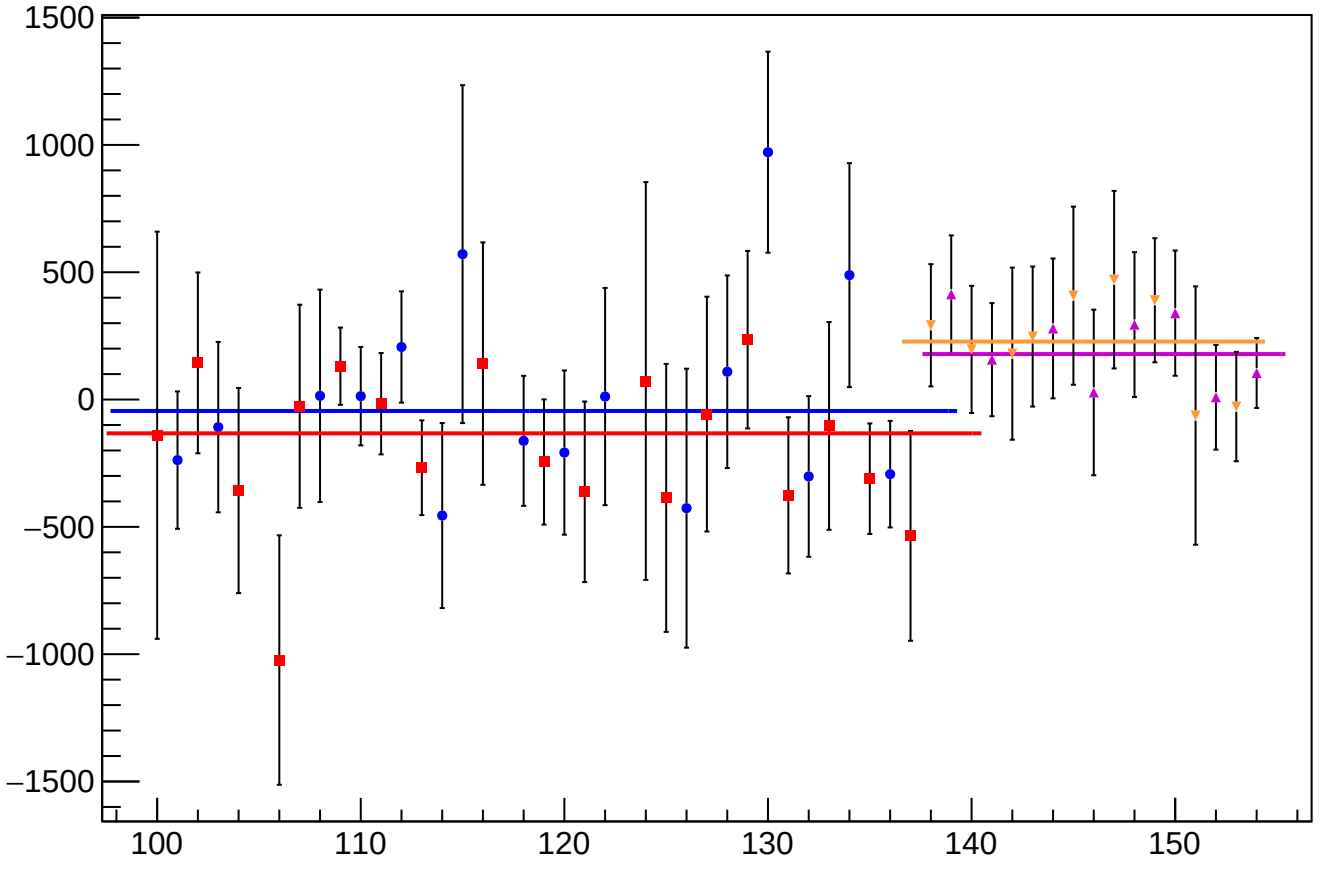
Left: 11.206+/-0.002 χ^2/NDF: 131062.5/15

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.083+/-0.002 χ^2/NDF:215246.7/23

Out: 11.157+/-0.002 χ^2/NDF:216947.4/25

All: 11.119+/-0.002 χ^2/NDF: 432807.2/49



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: 178.611+/-77.333 χ^2/NDF:3.0/7

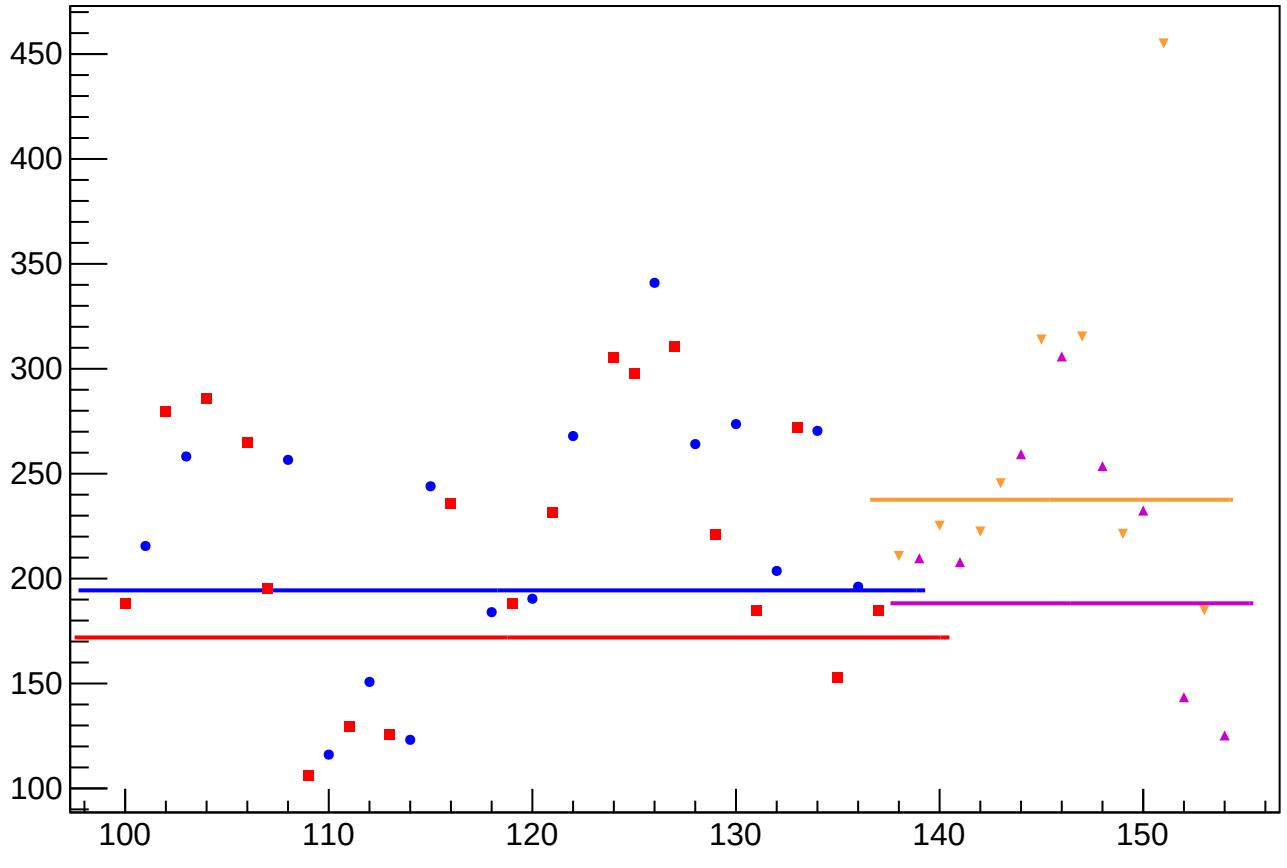
Left: 198.539+/-59.612 χ^2/NDF: 6.2/16

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 65.585+/-54.358 χ^2/NDF:22.6/23

Out: -7.525+/-55.152 χ^2/NDF:25.6/27

All: 29.560+/-38.715 χ^2/NDF: 49.1/51



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: 188.233+/-0.055 χ^2/NDF:1113685.3/7

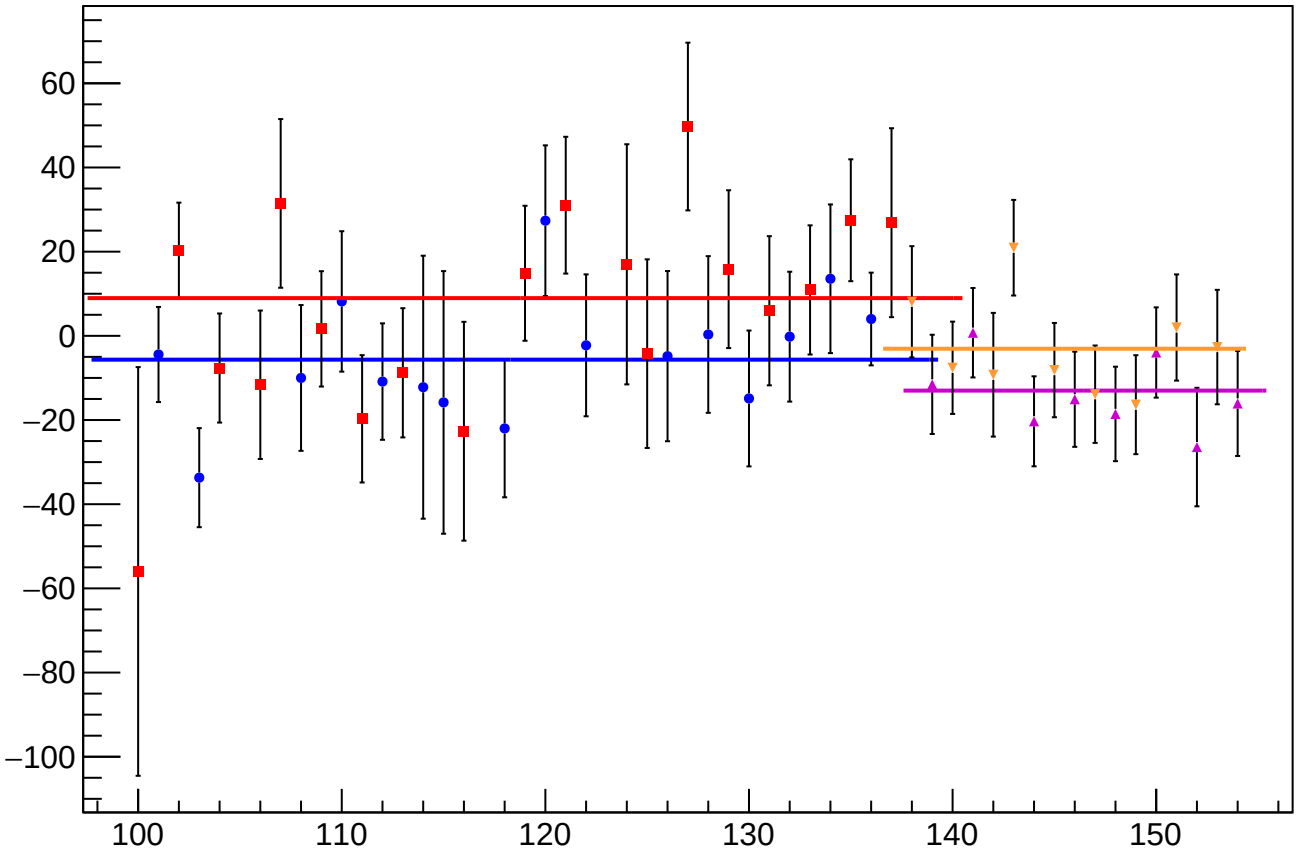
Left: 208.262+/-0.042 χ^2/NDF: 2171273.3/16

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 191.346+/-0.038 χ^2/NDF:2162113.0/23

Out: 194.750+/-0.039 χ^2/NDF:3020583.6/27

All: 193.023+/-0.027 χ^2/NDF: 5186562.3/51



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: -13.009+/-4.058 χ^2/NDF:4.1/7

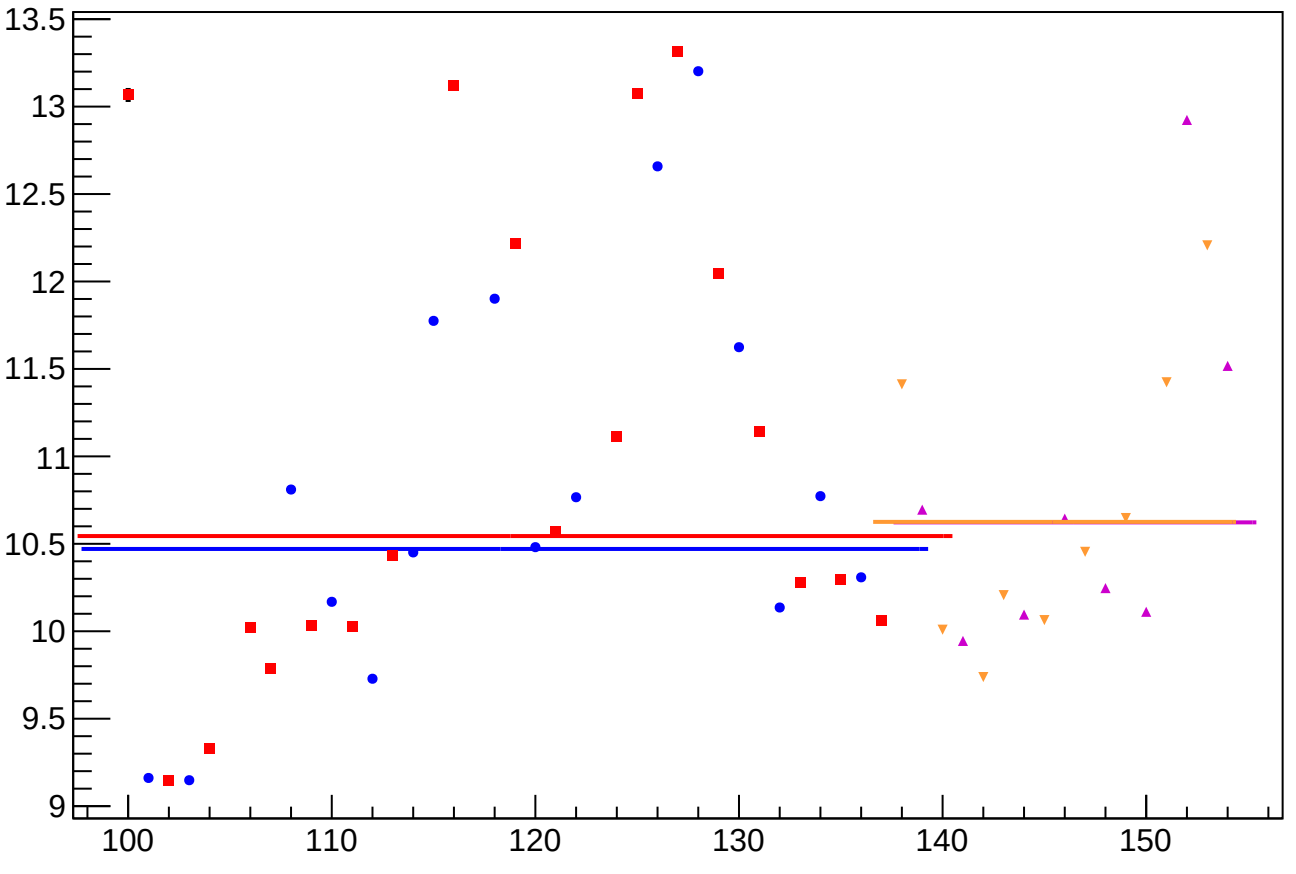
Left: -8.033+/-2.869 χ^2/NDF: 15.2/16

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -9.224+/-2.827 χ^2/NDF:19.5/23

Out: 3.184+/-2.812 χ^2/NDF:35.4/27

All: -2.987+/-1.993 χ^2/NDF: 64.6/51



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: 10.623+/-0.003 χ^2/NDF:83583.0/7

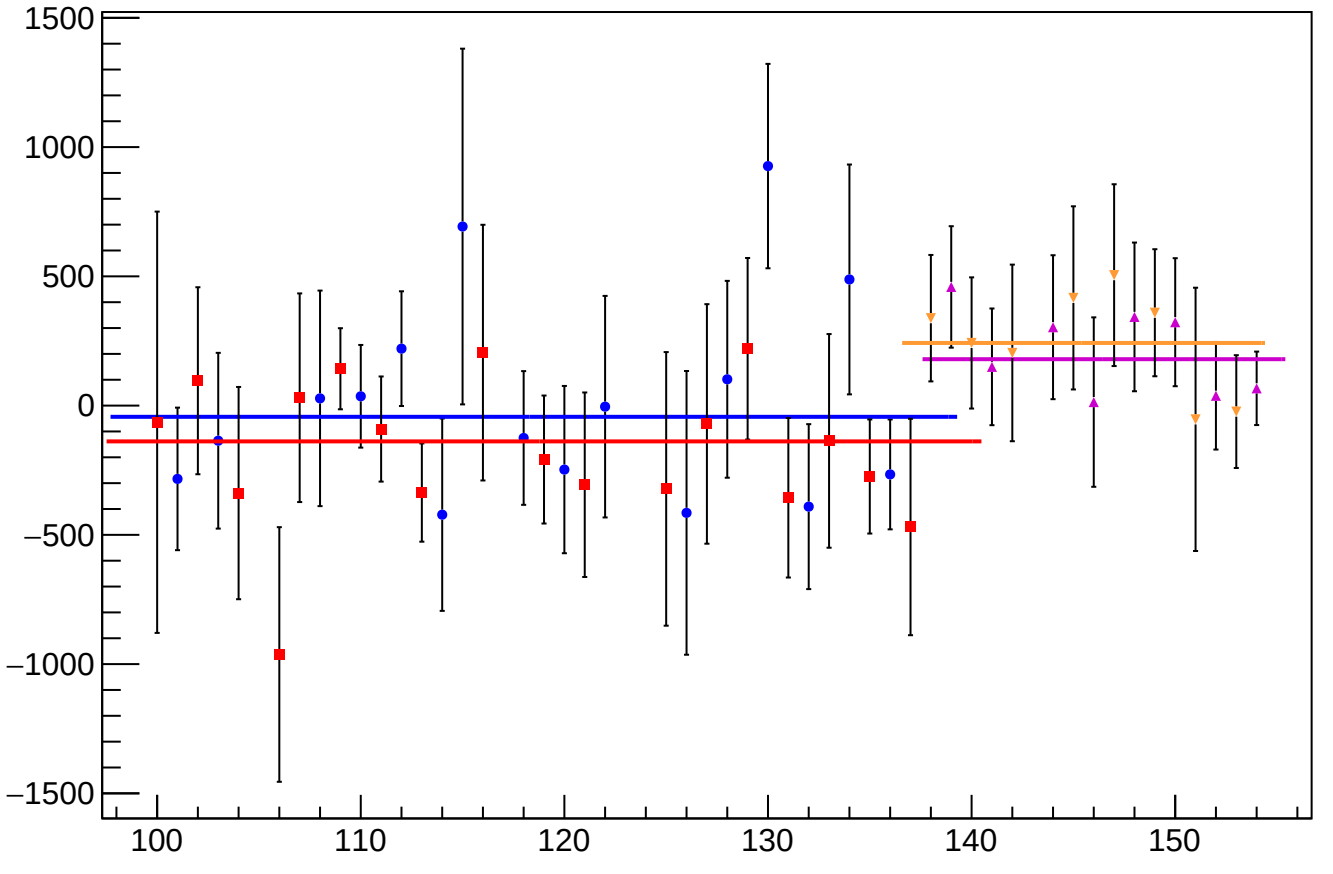
Left: 10.624+/-0.002 χ^2/NDF: 147522.6/16

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.544+/-0.002 χ^2/NDF:242393.5/23

Out: 10.583+/-0.002 χ^2/NDF:251134.7/27

All: 10.564+/-0.001 χ^2/NDF: 493719.4/51



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 242.359+/-100.862 χ^2/NDF:3.0/7

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 179.520+/-78.815 χ^2/NDF:3.6/7

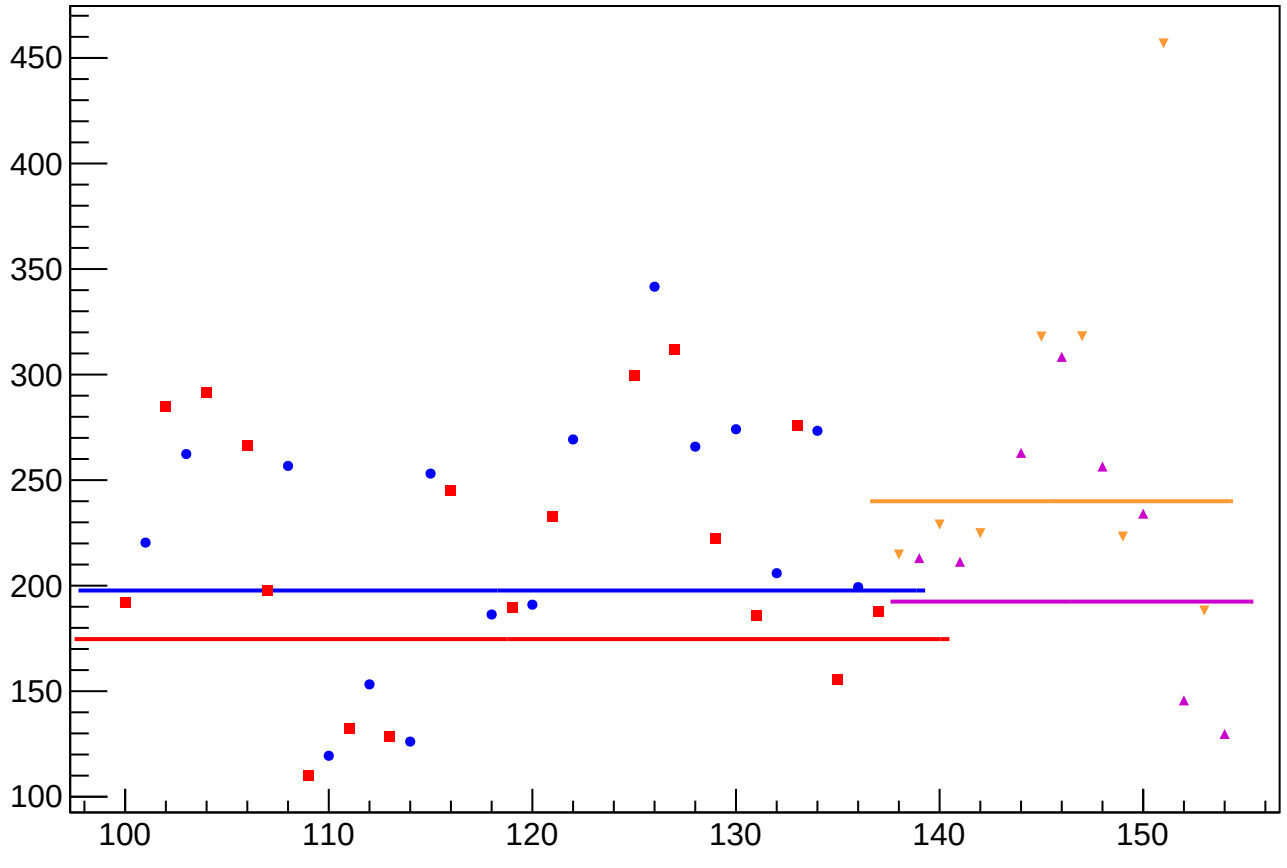
Left: 203.343+/-62.103 χ^2/NDF: 6.9/15

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 66.313+/-55.290 χ^2/NDF:23.2/23

Out: -15.057+/-57.415 χ^2/NDF:24.1/25

All: 27.161+/-39.826 χ^2/NDF: 48.3/49



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: 192.452+/-0.056 χ^2/NDF:1054052.6/7

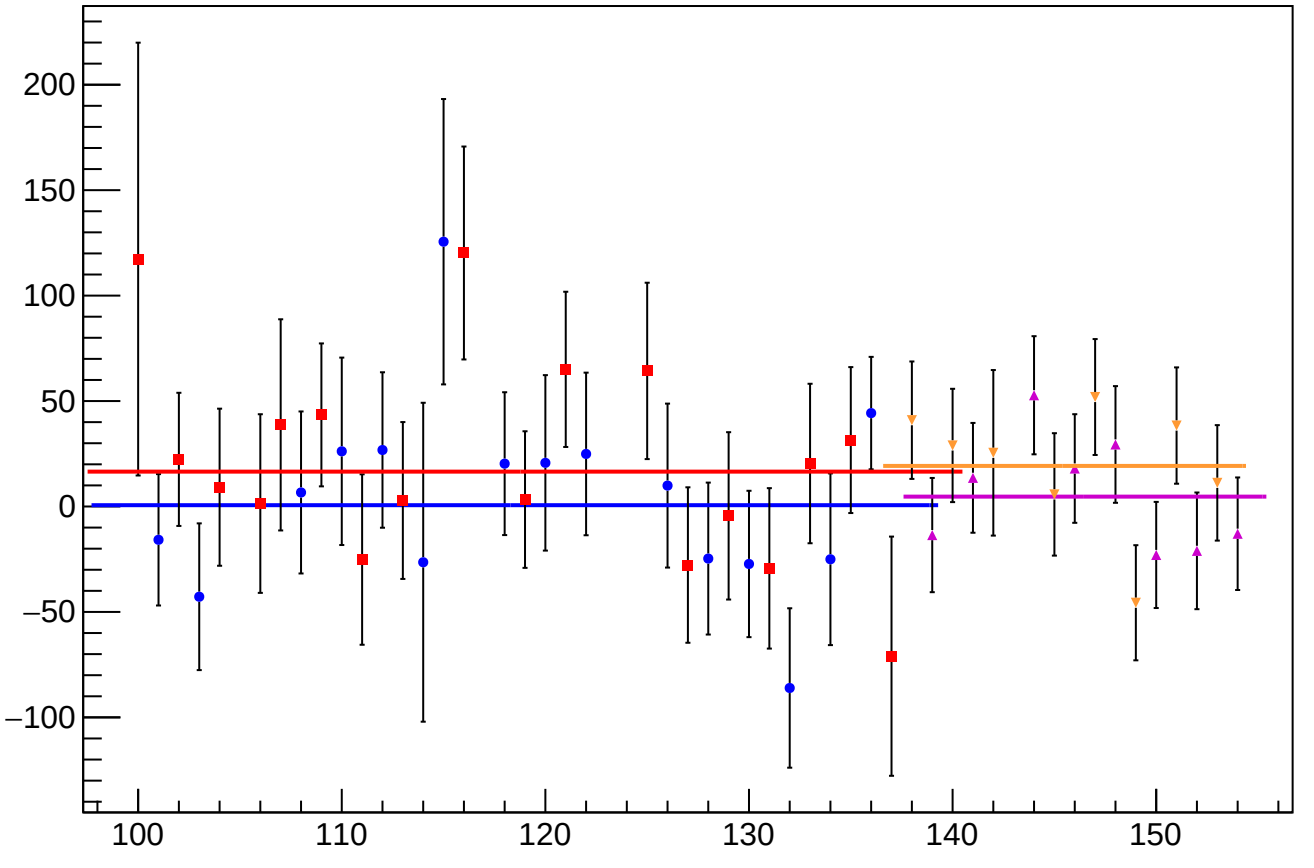
Left: 210.480+/-0.044 χ^2/NDF: 2039453.5/15

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 195.121+/-0.039 χ^2/NDF:2058892.7/23

Out: 195.846+/-0.041 χ^2/NDF:2811244.2/25

All: 195.470+/-0.028 χ^2/NDF: 4870302.4/49



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: 4.681+/-9.441 χ^2/NDF:7.1/7

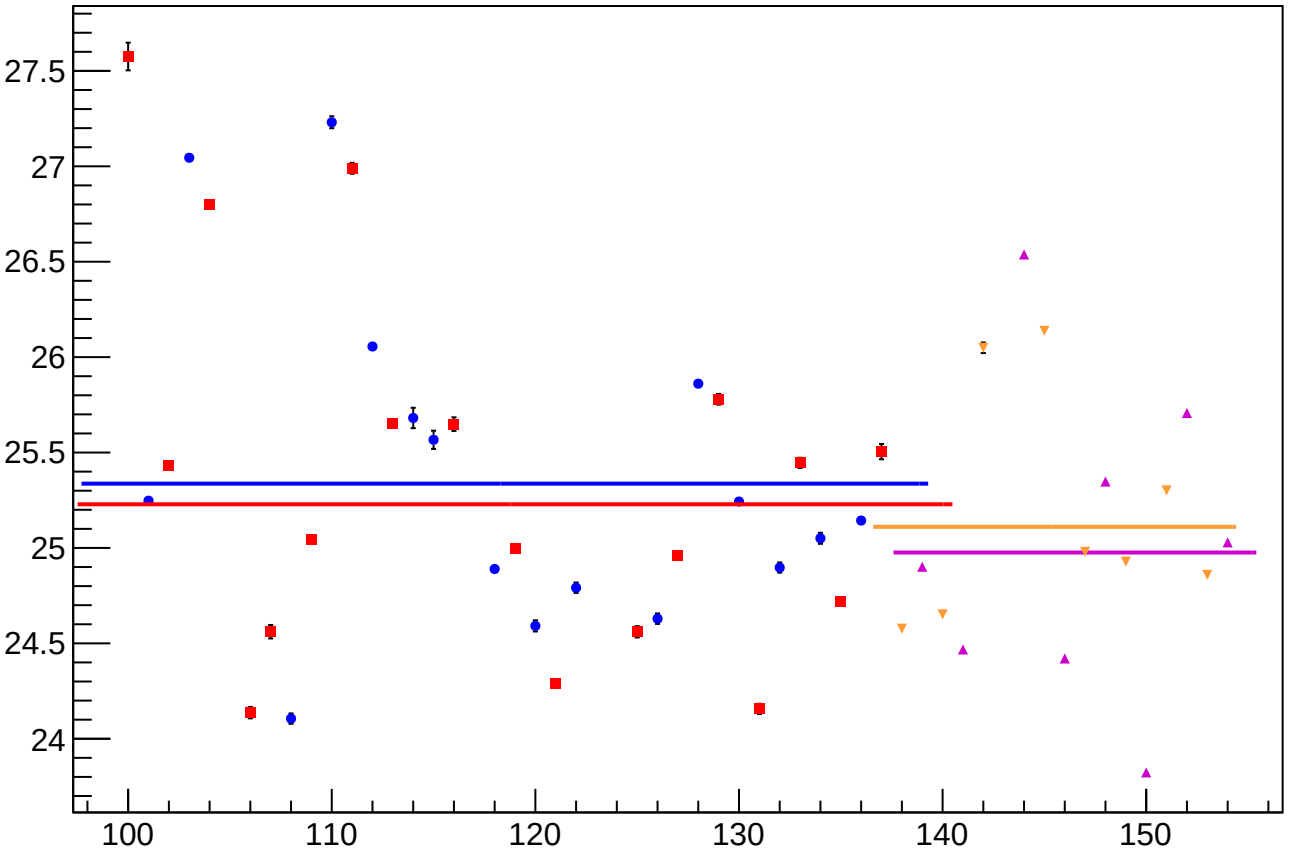
Left: 11.480+/-6.893 χ^2/NDF: 16.8/15

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 2.646+/-6.669 χ^2/NDF:23.9/23

Out: 17.780+/-6.840 χ^2/NDF:25.0/25

All: 10.021+/-4.775 χ^2/NDF: 51.4/49



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: 24.976+/-0.007 χ^2/NDF:13888.4/7

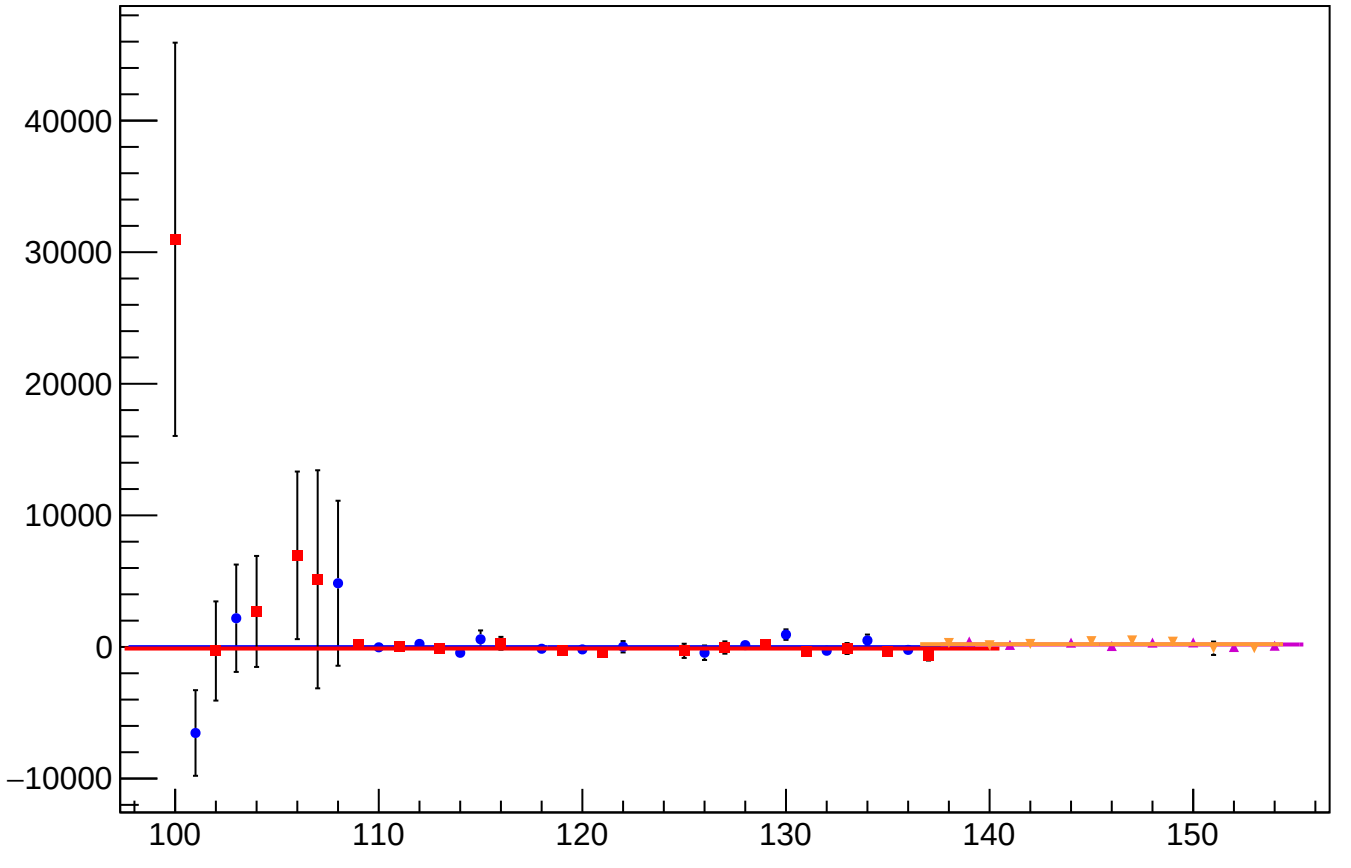
Left: 25.039+/-0.005 χ^2/NDF: 19444.4/15

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.157+/-0.005 χ^2/NDF:29668.2/23

Out: 25.175+/-0.005 χ^2/NDF:20689.9/25

All: 25.165+/-0.003 χ^2/NDF: 50364.9/49



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: 187.434+/-80.152 χ^2/NDF:3.2/7

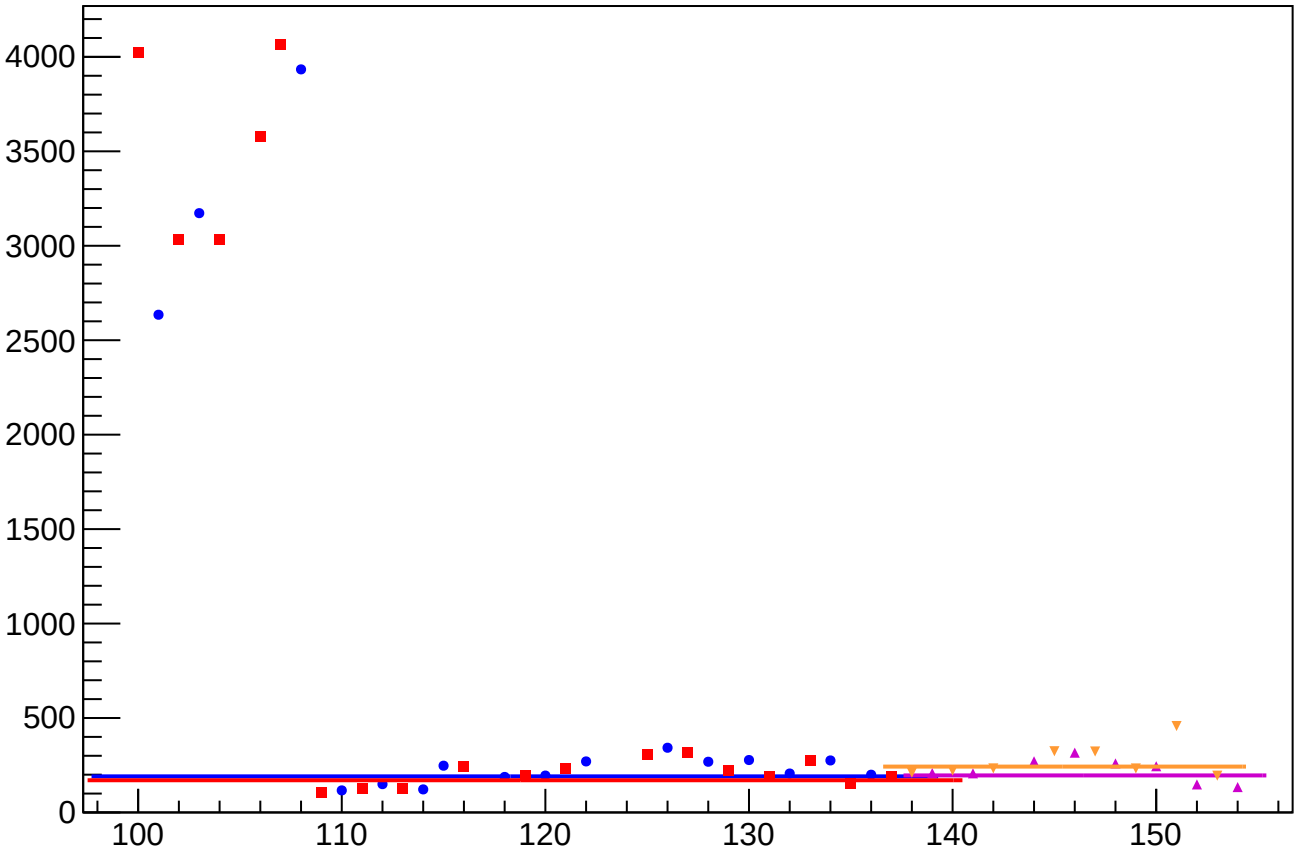
Left: 196.432+/-63.016 χ^2/NDF: 7.2/15

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 92.376+/-58.137 χ^2/NDF:24.5/23

Out: 2.676+/-62.077 χ^2/NDF:25.0/25

All: 50.463+/-42.434 χ^2/NDF: 50.6/49



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: 196.057+/-0.057 χ^2/NDF:1022001.8/7

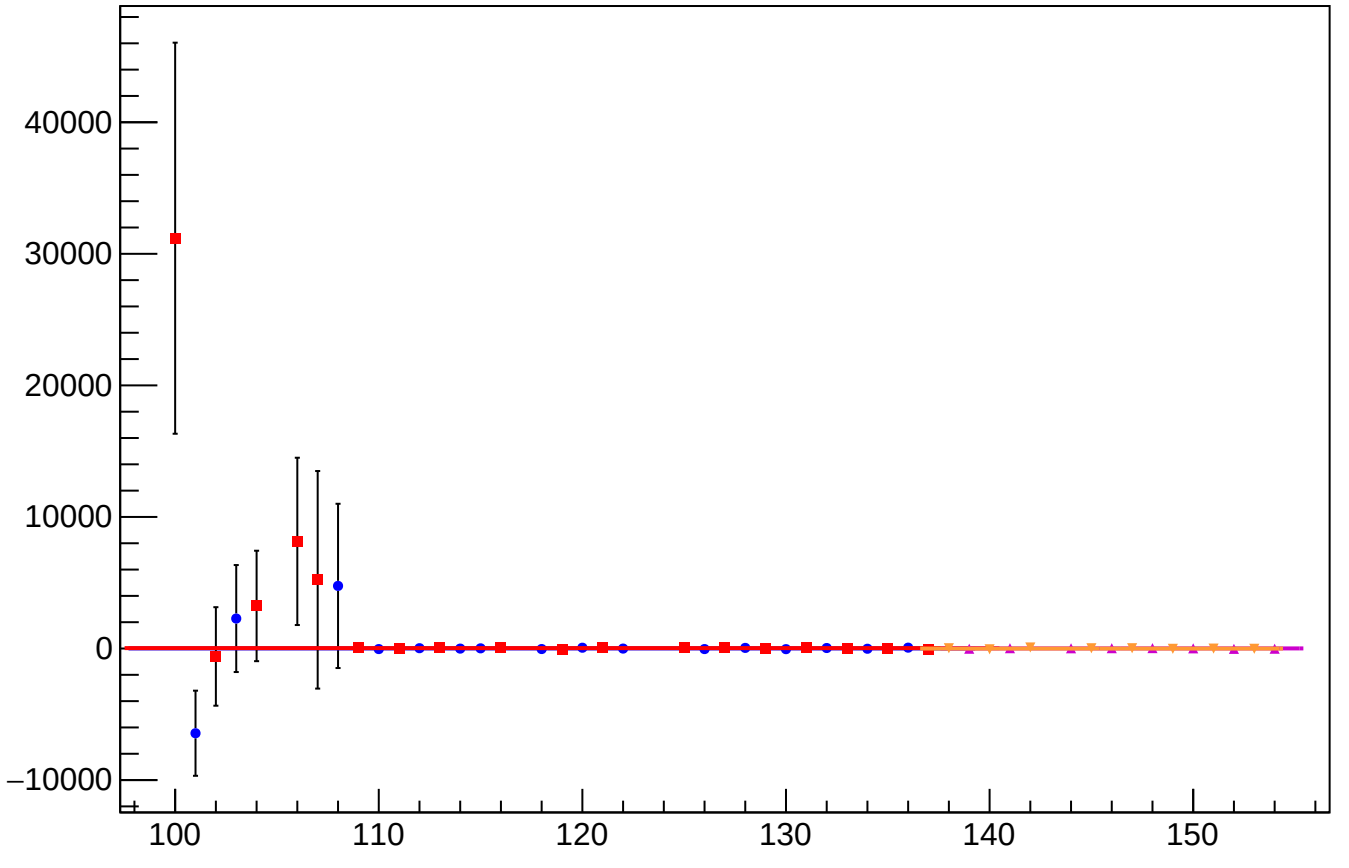
Left: 213.899+/-0.045 χ^2/NDF: 1986161.3/15

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 193.694+/-0.041 χ^2/NDF:4859623.7/23

Out: 197.282+/-0.044 χ^2/NDF:5591998.1/25

All: 195.370+/-0.030 χ^2/NDF: 10455181.4/49



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: 7.483+/-11.307 χ^2/NDF:3.3/7

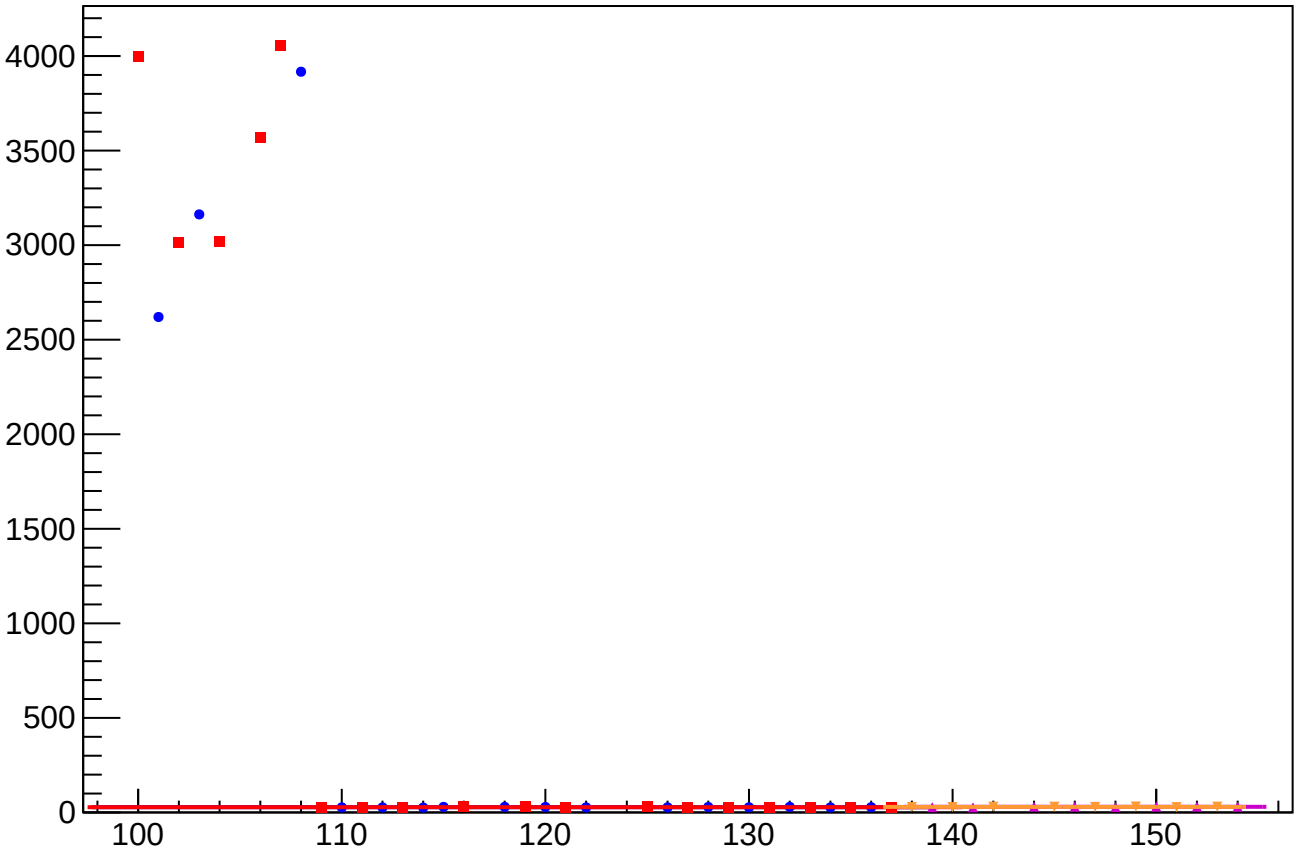
Left: 2.853+/-8.171 χ^2/NDF: 12.2/15

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 7.006+/-8.152 χ^2/NDF:21.6/23

Out: 13.904+/-8.451 χ^2/NDF:32.3/25

All: 10.331+/-5.867 χ^2/NDF: 54.2/49



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: 29.825+/-0.008 χ^2/NDF:42678.4/7

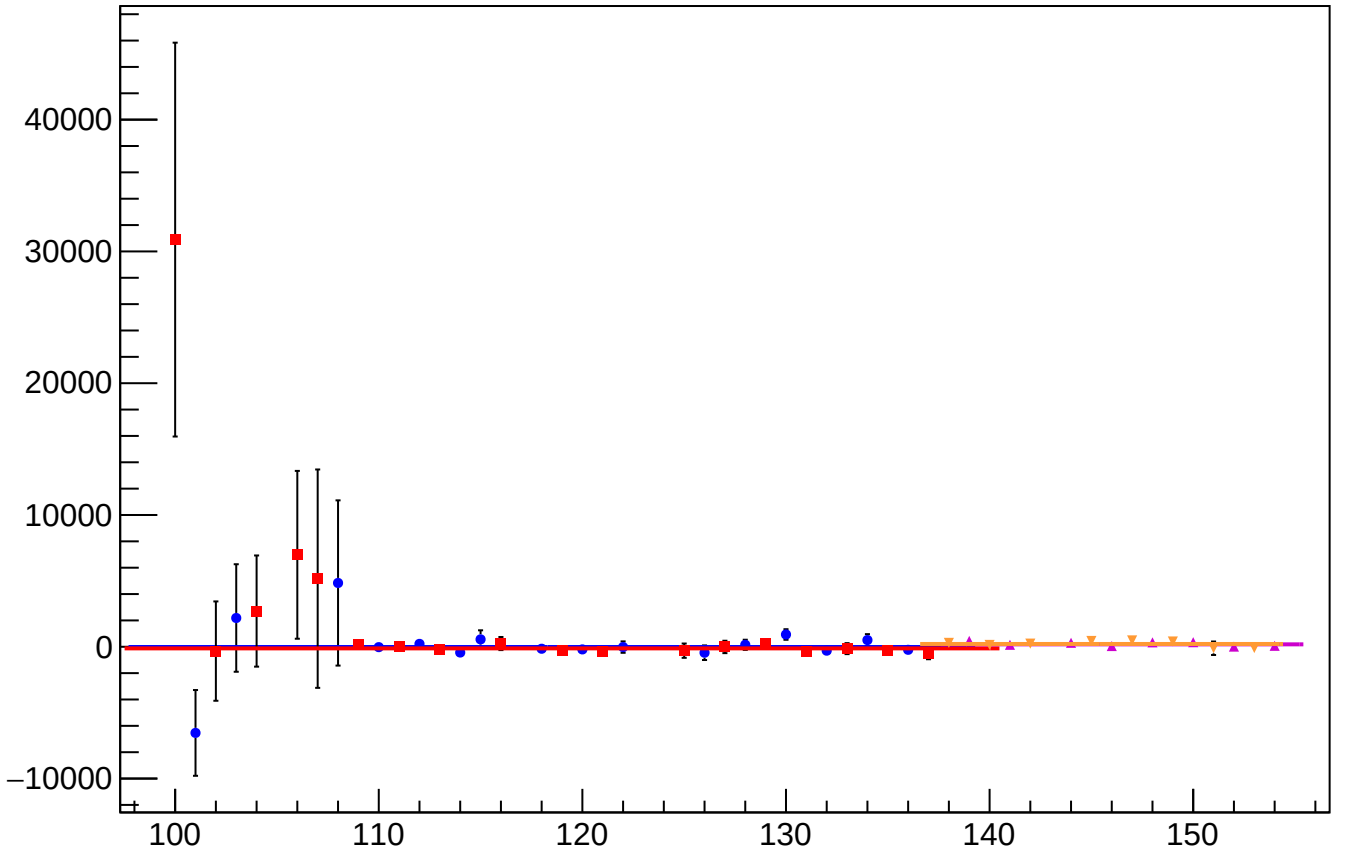
Left: 29.607+/-0.006 χ^2/NDF: 63607.5/15

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.864+/-0.006 χ^2/NDF:3338623.6/23

Out: 28.591+/-0.006 χ^2/NDF:3595455.4/25

All: 28.732+/-0.004 χ^2/NDF: 6935167.7/49



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: 184.340+/-80.837 χ^2/NDF:3.5/7

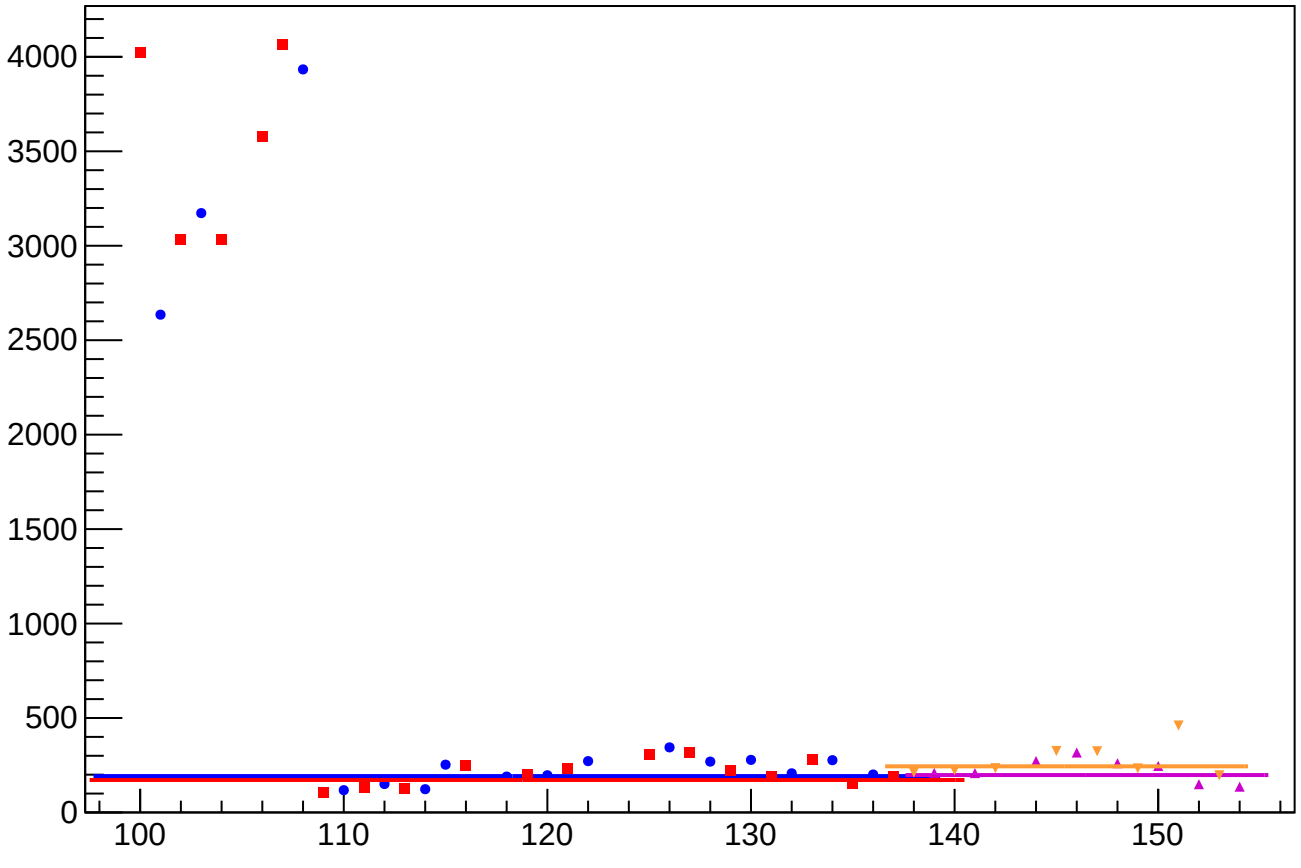
Left: 194.994+/-63.479 χ^2/NDF: 7.5/15

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 87.598+/-58.597 χ^2/NDF:24.7/23

Out: 2.455+/-62.500 χ^2/NDF:23.8/25

All: 47.768+/-42.748 χ^2/NDF: 49.5/49



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: 197.990+/-0.057 χ^2/NDF:993985.4/7

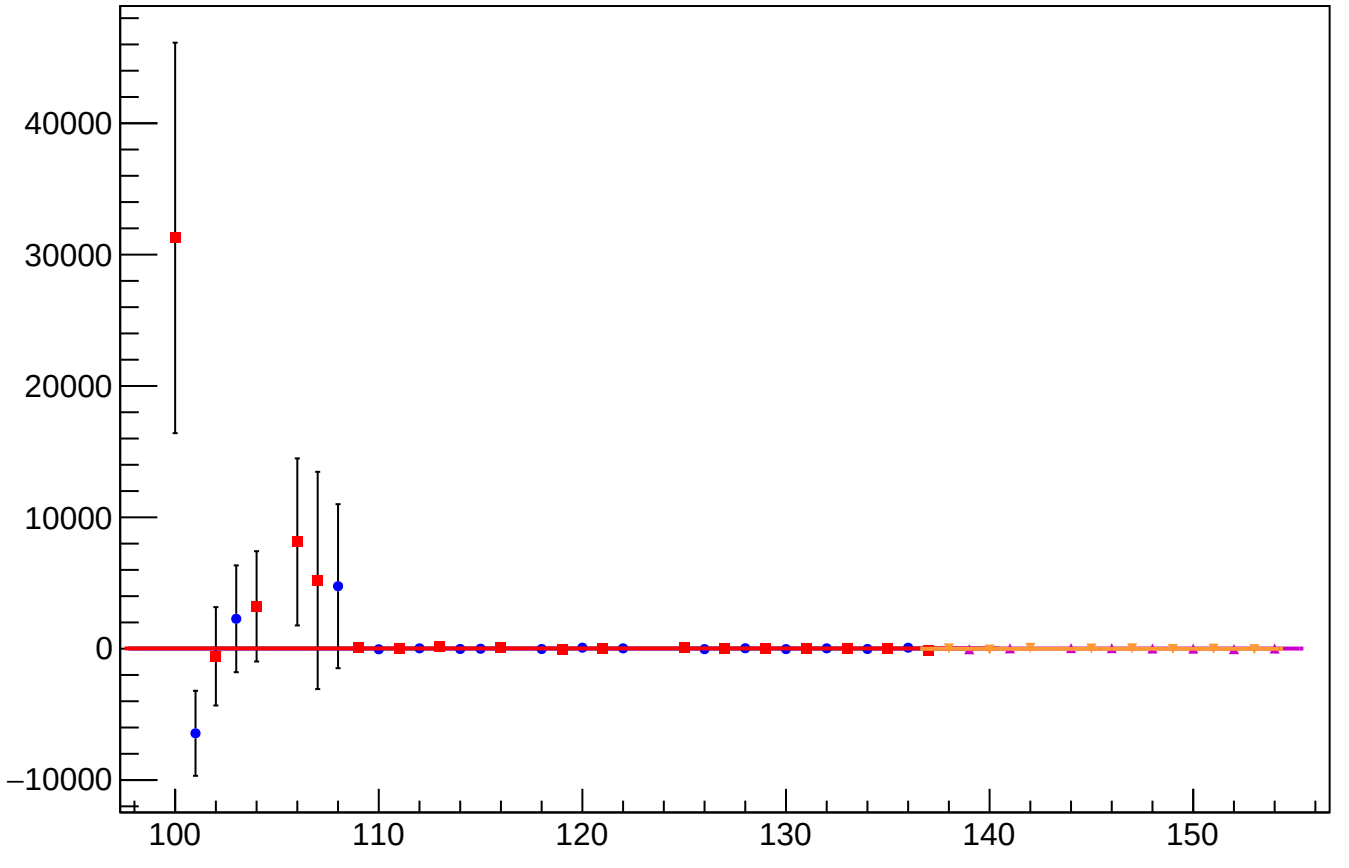
Left: 215.693+/-0.045 χ^2/NDF: 1943832.6/15

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 195.413+/-0.041 χ^2/NDF:4821056.5/23

Out: 198.756+/-0.044 χ^2/NDF:5571919.8/25

All: 196.977+/-0.030 χ^2/NDF: 10396021.4/49



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: 11.489+/-12.188 χ^2/NDF:5.9/7

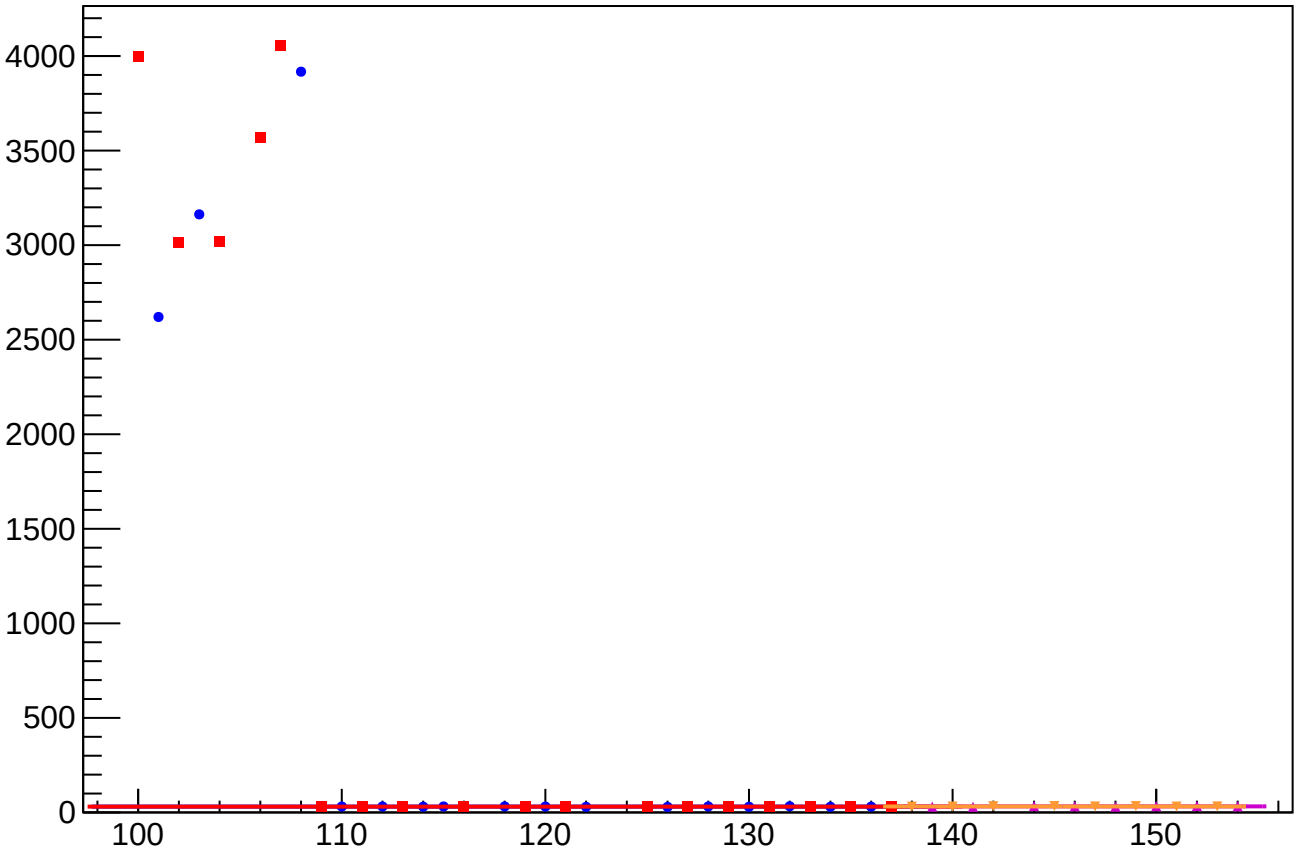
Left: 3.586+/-8.822 χ^2/NDF: 15.2/15

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 12.524+/-8.911 χ^2/NDF:21.3/23

Out: 7.783+/-9.245 χ^2/NDF:38.9/25

All: 10.240+/-6.416 χ^2/NDF: 60.4/49



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: 32.166+/-0.009 χ^2/NDF:28232.0/7

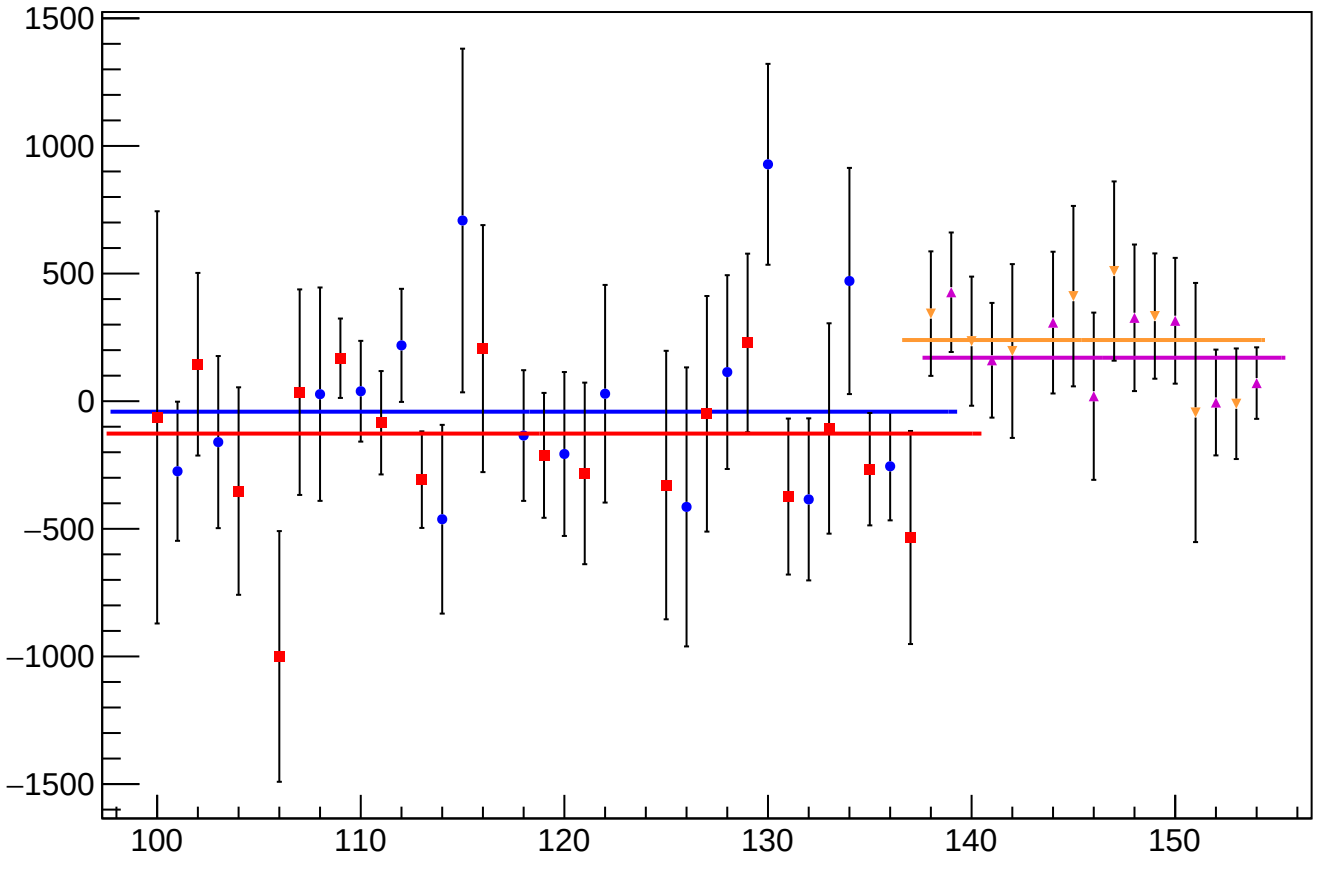
Left: 31.983+/-0.006 χ^2/NDF: 44256.3/15

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.590+/-0.006 χ^2/NDF:3290442.1/23

Out: 31.315+/-0.007 χ^2/NDF:3556601.5/25

All: 31.457+/-0.005 χ^2/NDF: 6847963.9/49



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: 170.291+/-78.286 χ^2/NDF:3.5/7

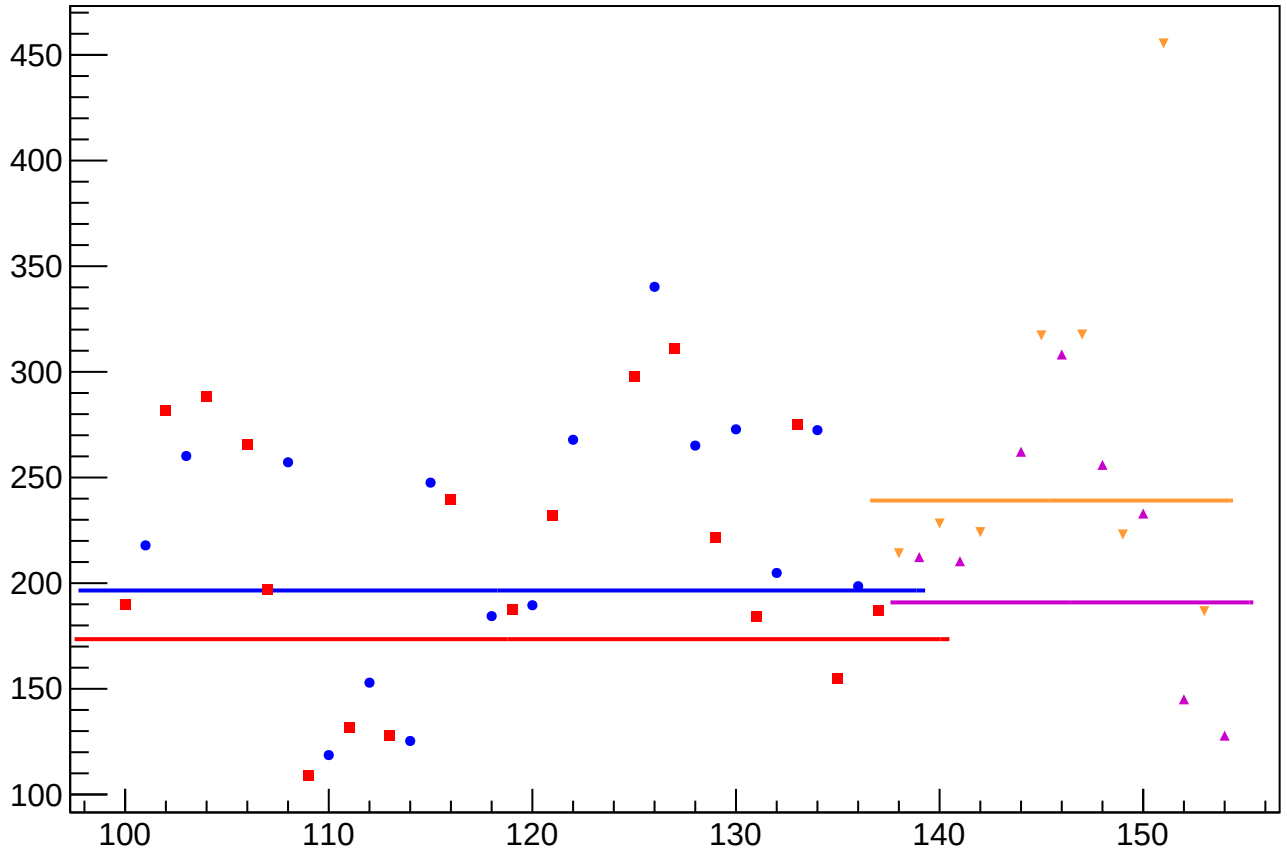
Left: 196.475+/-61.764 χ^2/NDF: 6.6/15

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 63.029+/-54.946 χ^2/NDF:22.8/23

Out: -8.617+/-57.101 χ^2/NDF:24.6/25

All: 28.583+/-39.593 χ^2/NDF: 48.2/49



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: 190.895+/-0.055 χ^2/NDF:1084108.3/7

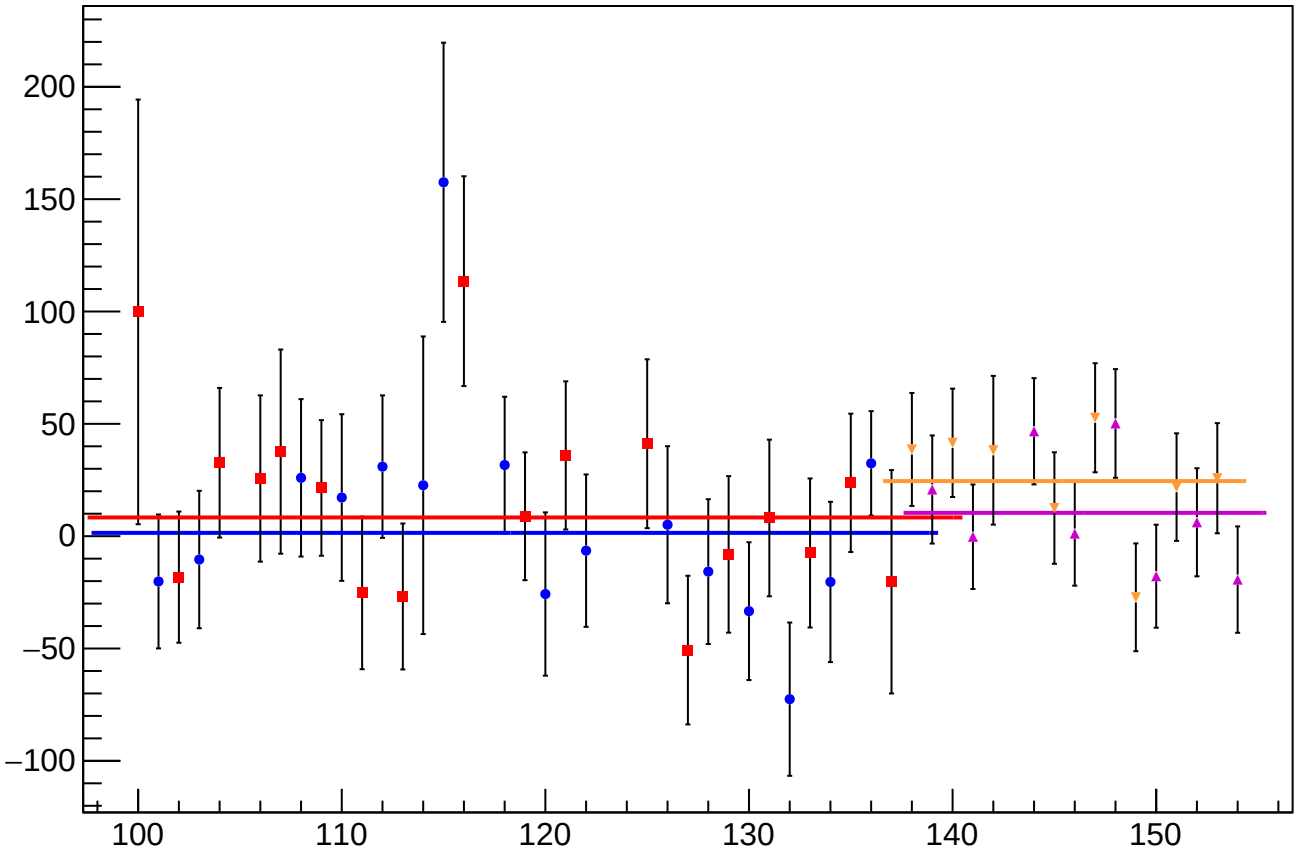
Left: 209.098+/-0.044 χ^2/NDF: 2085584.8/15

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 193.760+/-0.039 χ^2/NDF:2090159.7/23

Out: 194.678+/-0.040 χ^2/NDF:2824715.5/25

All: 194.201+/-0.028 χ^2/NDF: 4915143.4/49



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: 10.389+/-8.346 χ^2/NDF:8.7/7

Left: 17.016+/-6.082 χ^2/NDF: 17.3/15

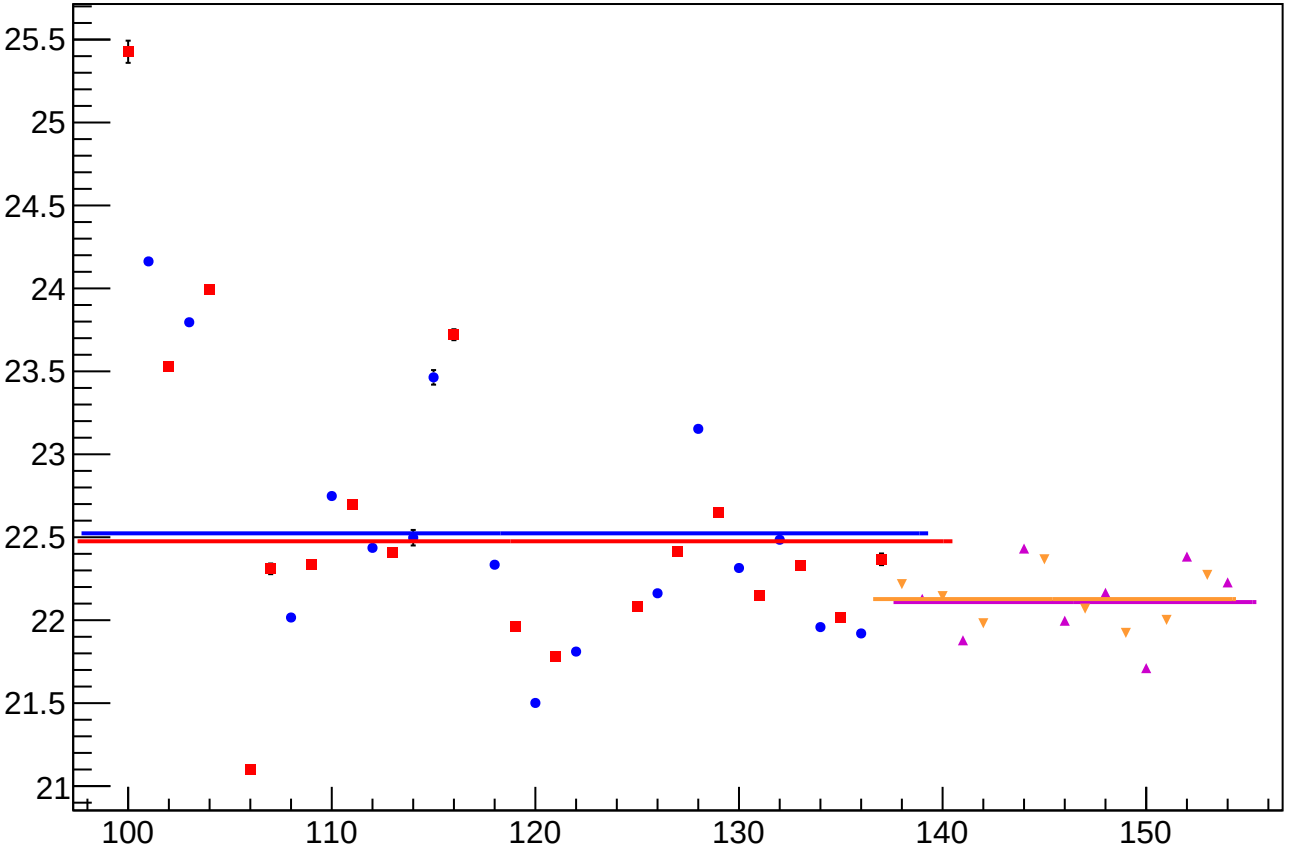
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.945+/-5.910 χ^2/NDF:28.0/23

Out: 15.863+/-6.058 χ^2/NDF:25.0/25

All: 10.781+/-4.231 χ^2/NDF: 54.4/49

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: 22.109+/-0.006 χ^2/NDF:1541.4/7

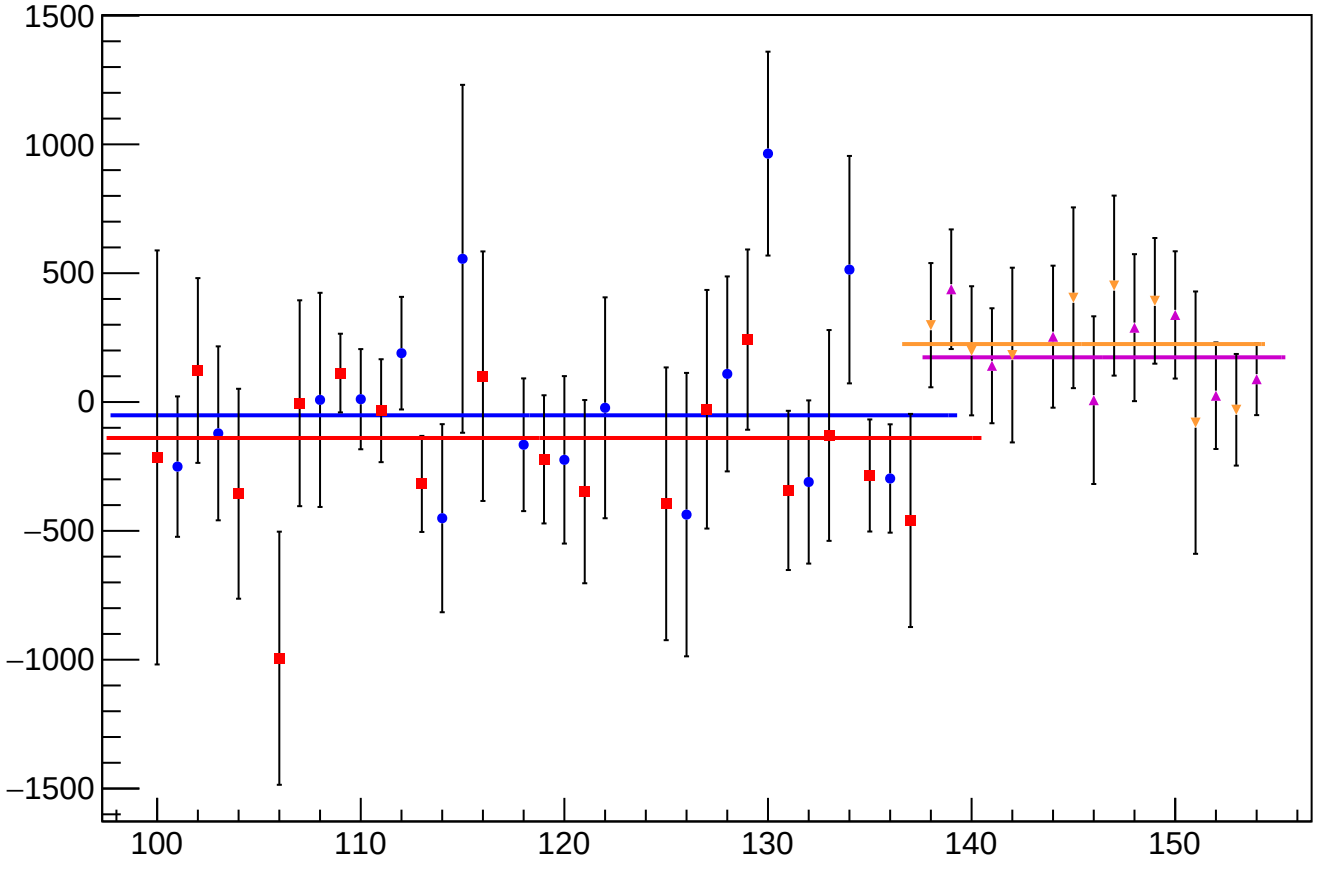
Left: 22.118+/-0.004 χ^2/NDF: 2079.1/15

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.316+/-0.004 χ^2/NDF:19946.8/23

Out: 22.314+/-0.004 χ^2/NDF:17715.2/25

All: 22.315+/-0.003 χ^2/NDF: 37662.1/49



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: 173.575+/-77.934 χ^2/NDF:3.2/7

Left: 193.020+/-61.453 χ^2/NDF: 6.3/15

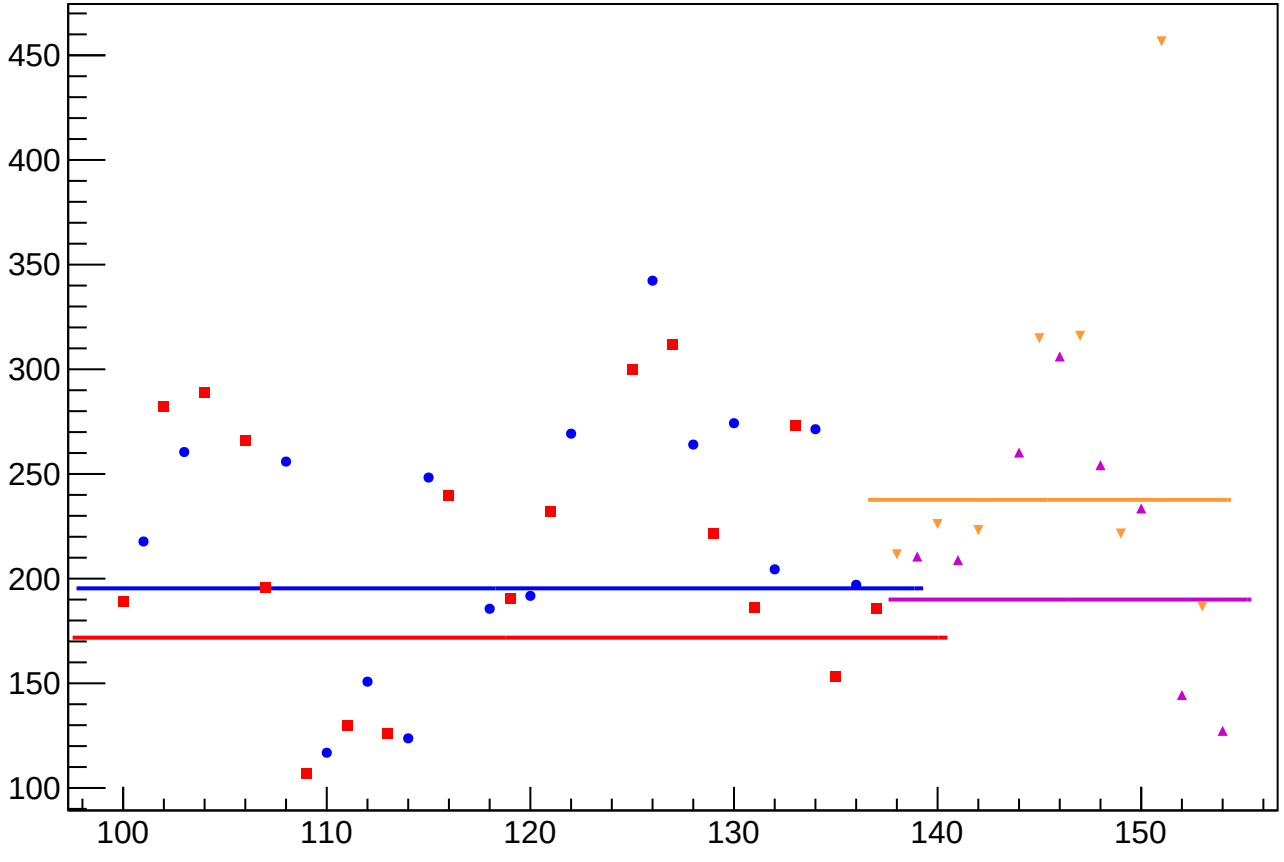
Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 59.389+/-54.702 χ^2/NDF:22.7/23

Out: -22.109+/-56.717 χ^2/NDF:23.6/25

All: 20.113+/-39.373 χ^2/NDF: 47.4/49

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 237.631+/-0.071 χ^2/NDF:718106.0/7

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 190.007+/-0.055 χ^2/NDF:1078779.9/7

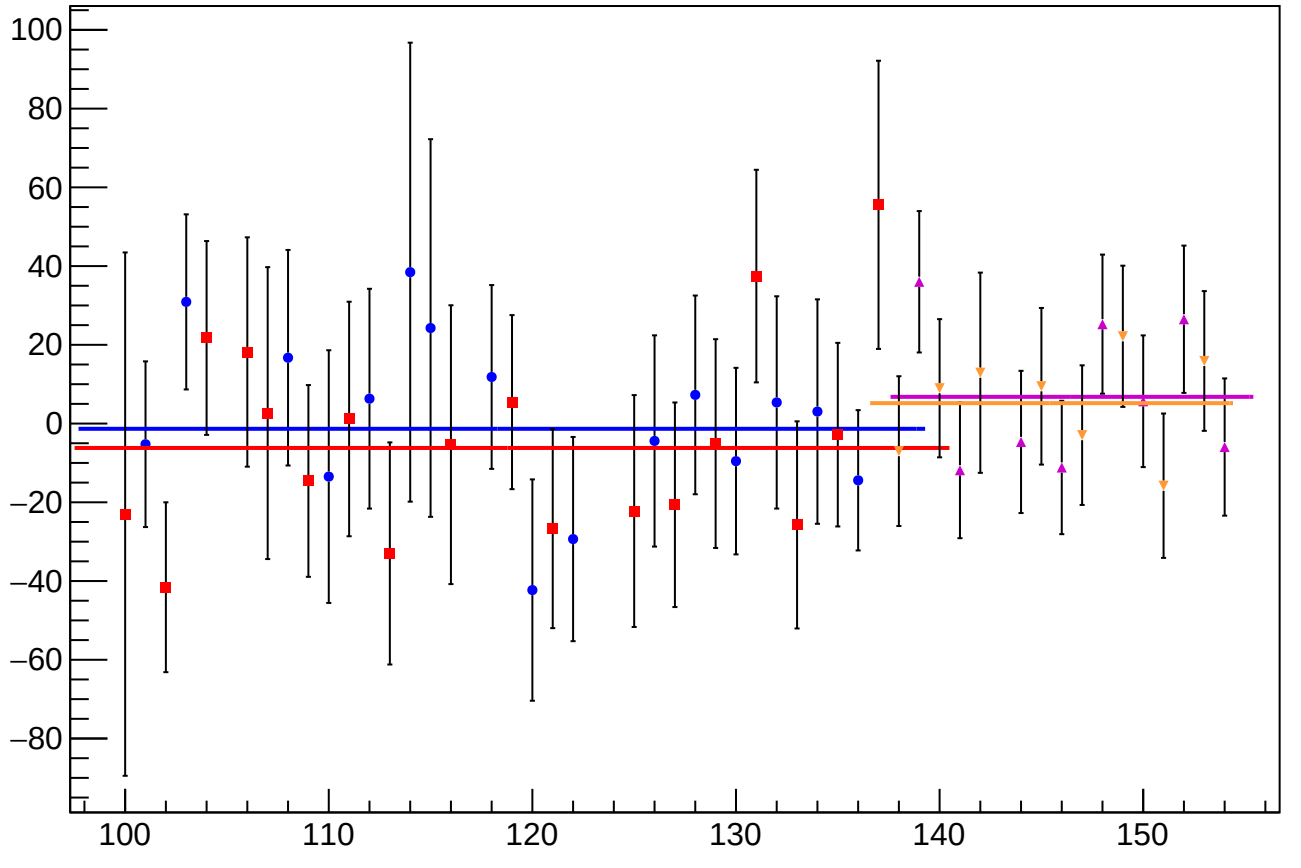
Left: 208.019+/-0.043 χ^2/NDF: 2079346.7/15

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 192.723+/-0.039 χ^2/NDF:2125000.5/23

Out: 193.011+/-0.040 χ^2/NDF:2907066.2/25

All: 192.862+/-0.028 χ^2/NDF: 5032093.4/49



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: 6.789+/-6.210 χ^2/NDF:8.1/7

Left: 6.043+/-4.543 χ^2/NDF: 11.5/15

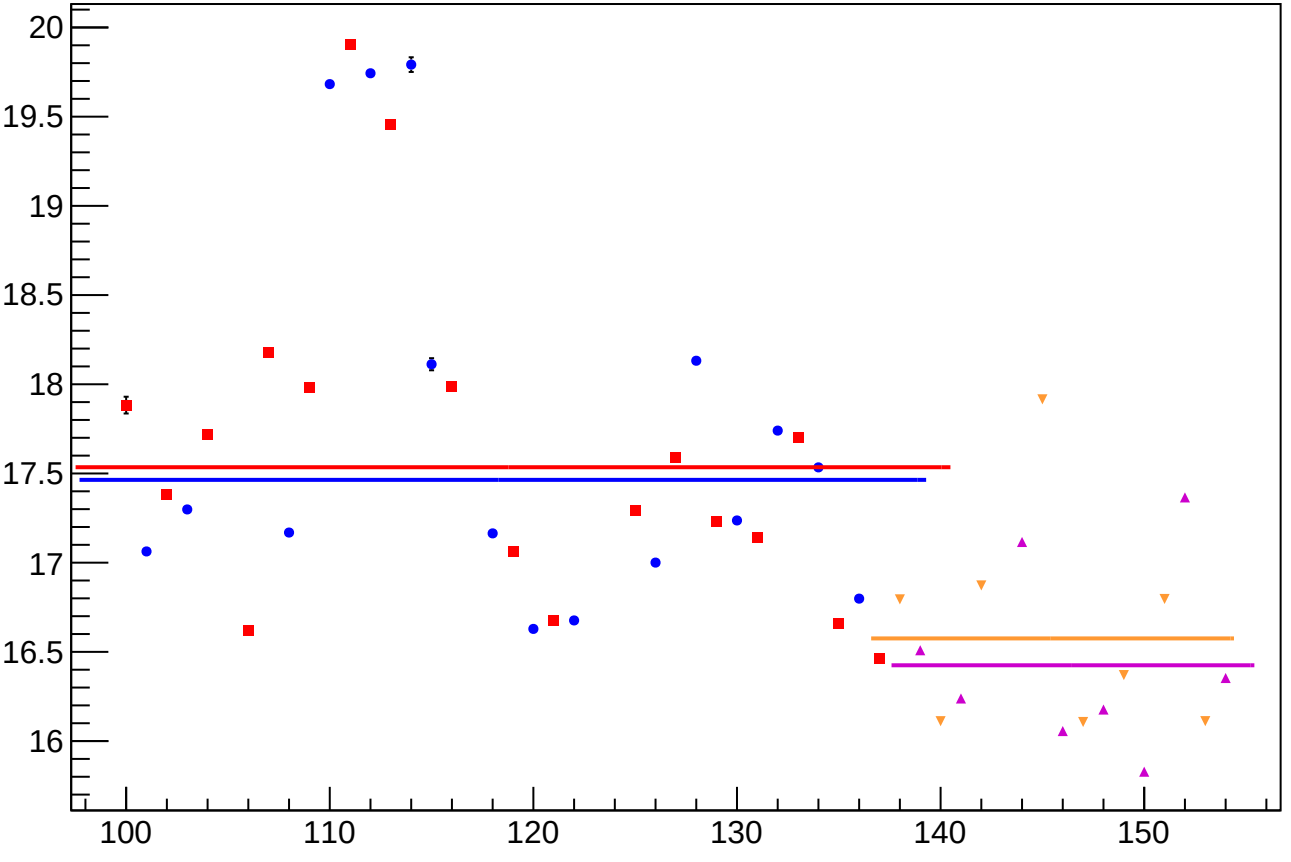
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.913+/-4.490 χ^2/NDF:16.9/23

Out: -0.670+/-4.643 χ^2/NDF:18.3/25

All: 1.182+/-3.227 χ^2/NDF: 35.6/49

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: 16.425+/-0.004 χ^2/NDF:12185.3/7

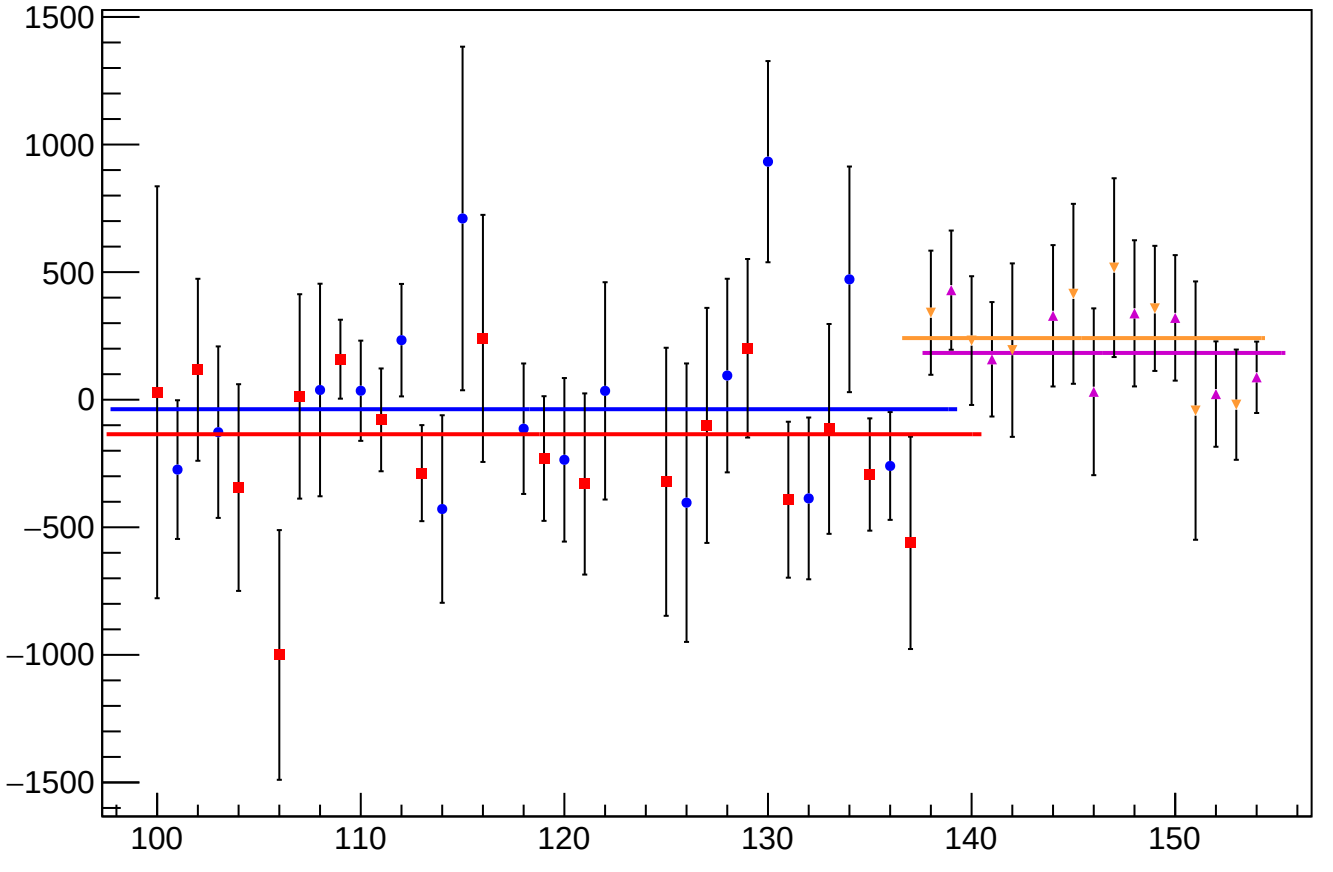
Left: 16.495+/-0.003 χ^2/NDF: 27056.8/15

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.921+/-0.003 χ^2/NDF:75573.7/23

Out: 17.069+/-0.003 χ^2/NDF:70142.5/25

All: 16.993+/-0.002 χ^2/NDF: 146769.4/49



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: 183.286+/-78.128 χ^2/NDF:3.3/7

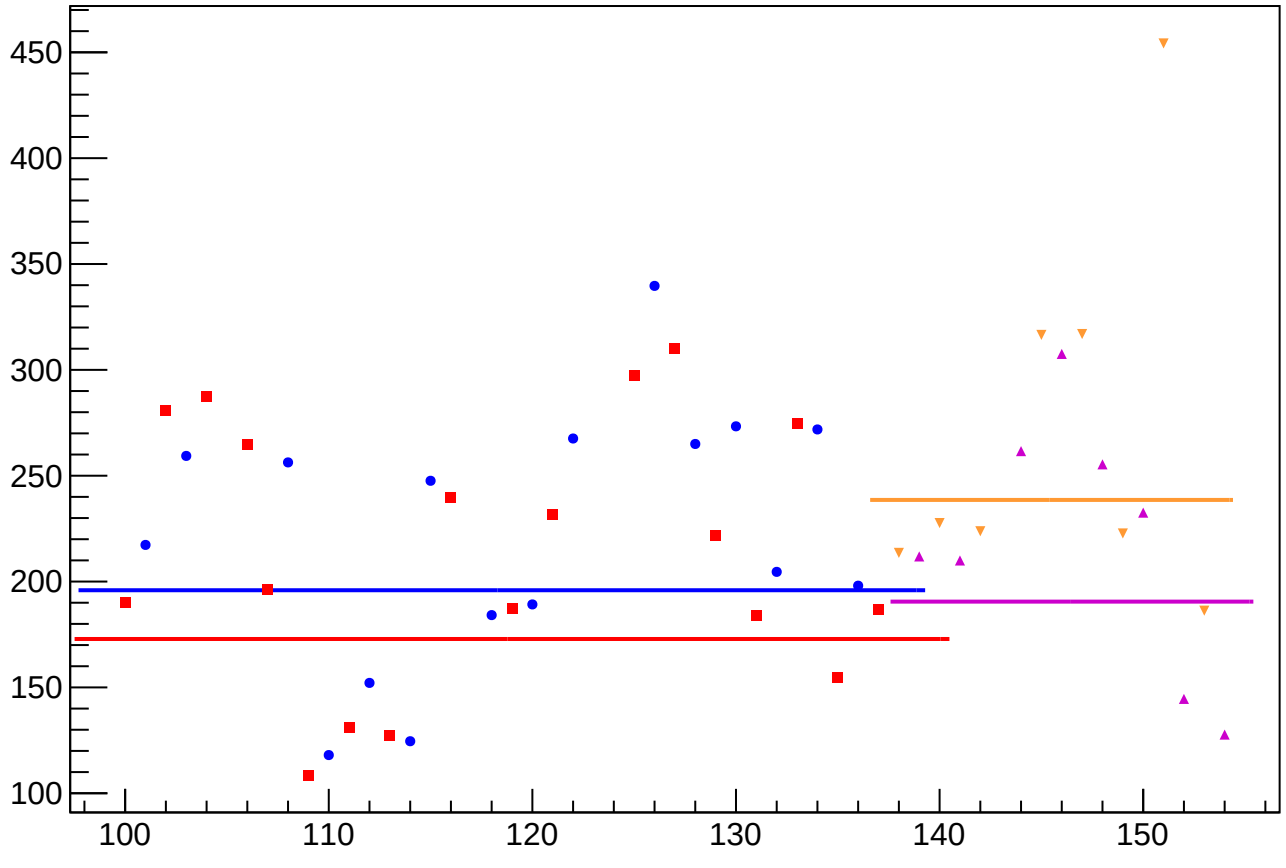
Left: 205.265+/-61.633 χ^2/NDF: 6.6/15

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 71.297+/-54.811 χ^2/NDF:23.0/23

Out: -13.861+/-56.933 χ^2/NDF:25.4/25

All: 30.335+/-39.486 χ^2/NDF: 49.6/49



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: 190.525+/-0.055 χ^2/NDF:1082572.8/7

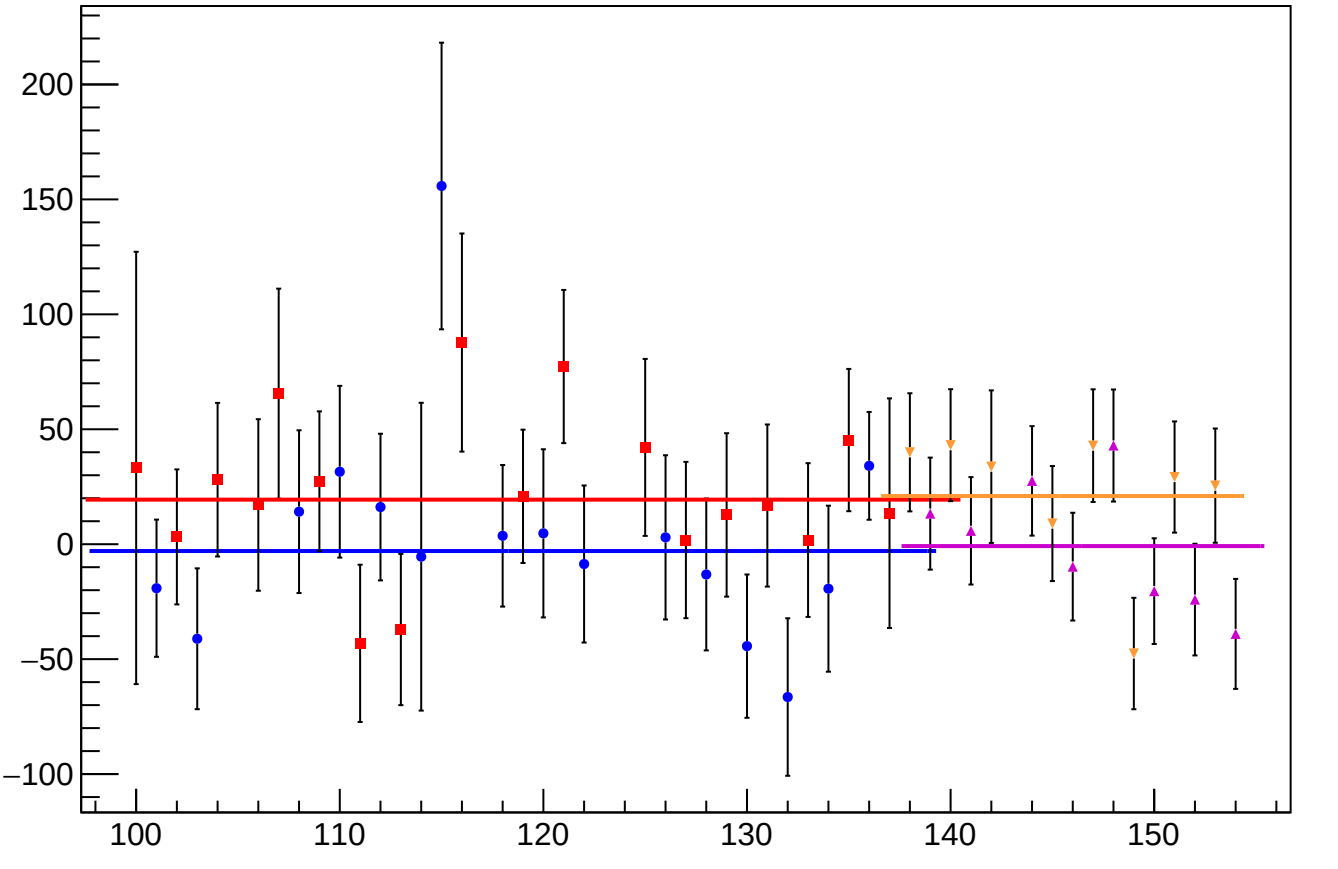
Left: 208.667+/-0.044 χ^2/NDF: 2083083.6/15

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

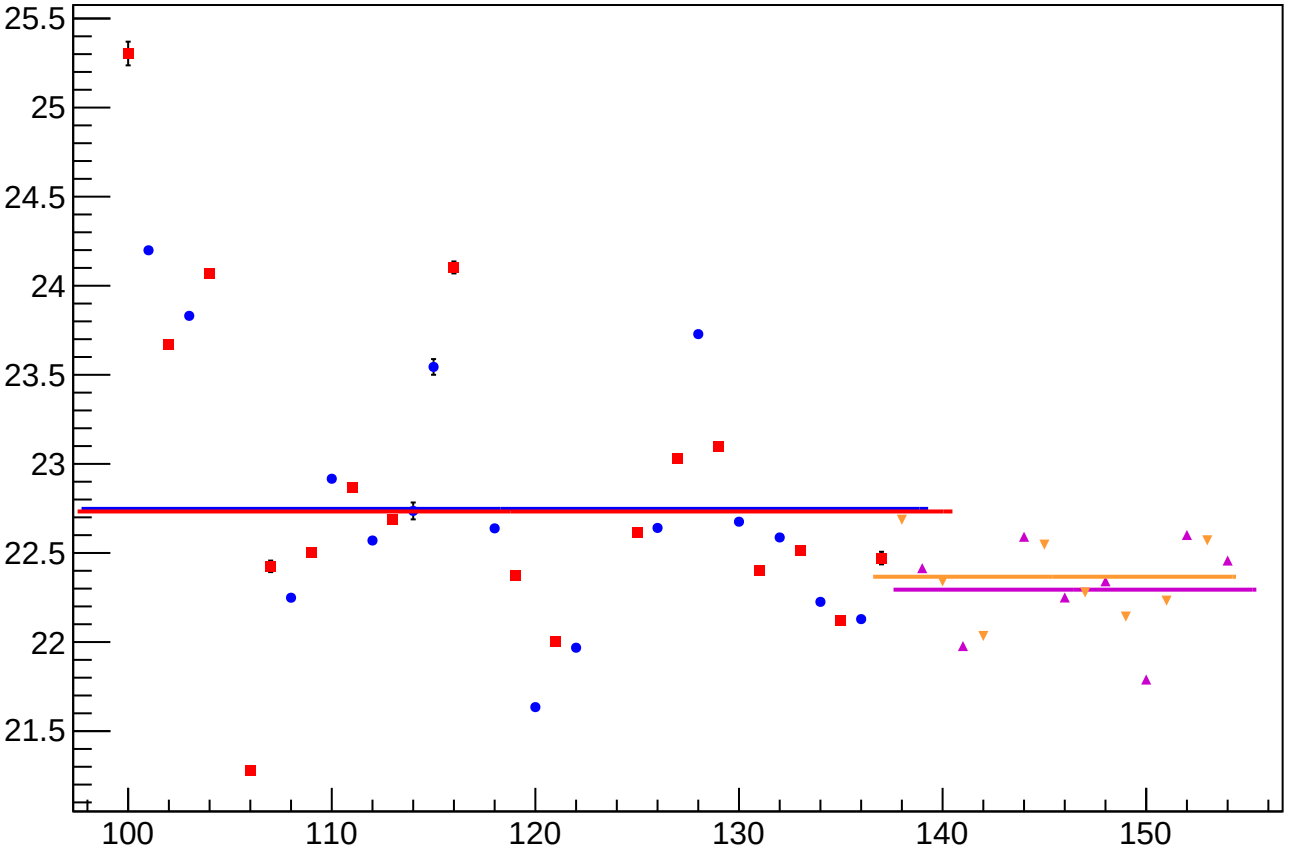
In: 193.254+/-0.039 χ^2/NDF:2098392.4/23

Out: 194.043+/-0.040 χ^2/NDF:2839726.2/25

All: 193.633+/-0.028 χ^2/NDF: 4938317.7/49


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: -0.814+/-8.417 χ²/NDF:9.4/7
Left: 9.368+/-6.141 χ²/NDF: 23.2/15
Right: 8.306+/-5.952 χ²/NDF: 36.0/33
In: -1.886+/-5.965 χ²/NDF:27.4/23
Out: 20.116+/-6.127 χ²/NDF:25.2/25
All: 8.820+/-4.274 χ²/NDF: 59.2/49

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: 22.294+/-0.006 χ^2/NDF:2116.1/7

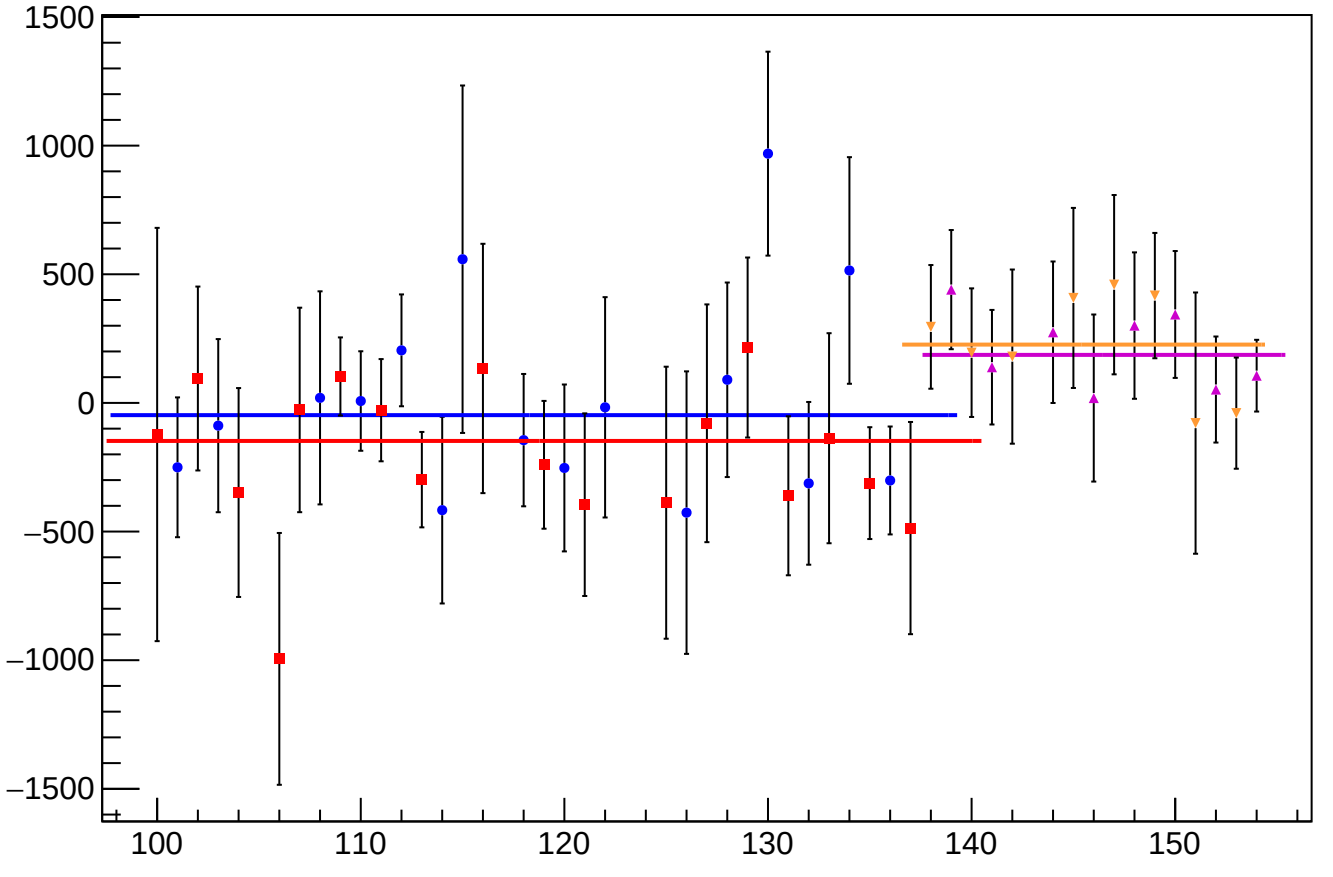
Left: 22.328+/-0.004 χ^2/NDF: 3195.6/15

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.520+/-0.004 χ^2/NDF:19628.1/23

Out: 22.562+/-0.004 χ^2/NDF:17179.1/25

All: 22.540+/-0.003 χ^2/NDF: 36856.8/49



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: 186.651+/-77.776 χ^2/NDF:2.9/7

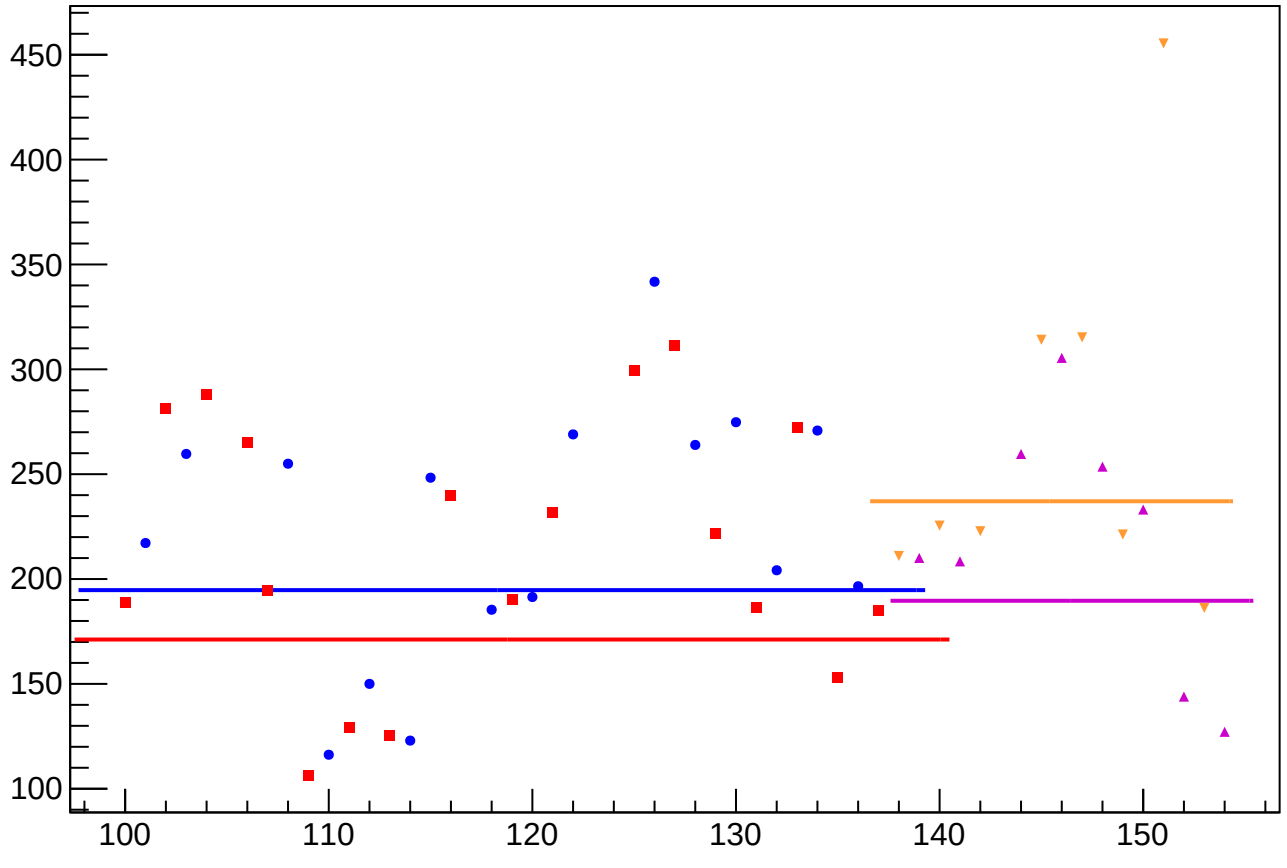
Left: 201.788+/-61.323 χ^2/NDF: 6.4/15

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 67.737+/-54.565 χ^2/NDF:22.9/23

Out: -27.341+/-56.547 χ^2/NDF:24.4/25

All: 21.893+/-39.265 χ^2/NDF: 48.8/49



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: 189.635+/-0.055 χ^2/NDF:1077227.2/7

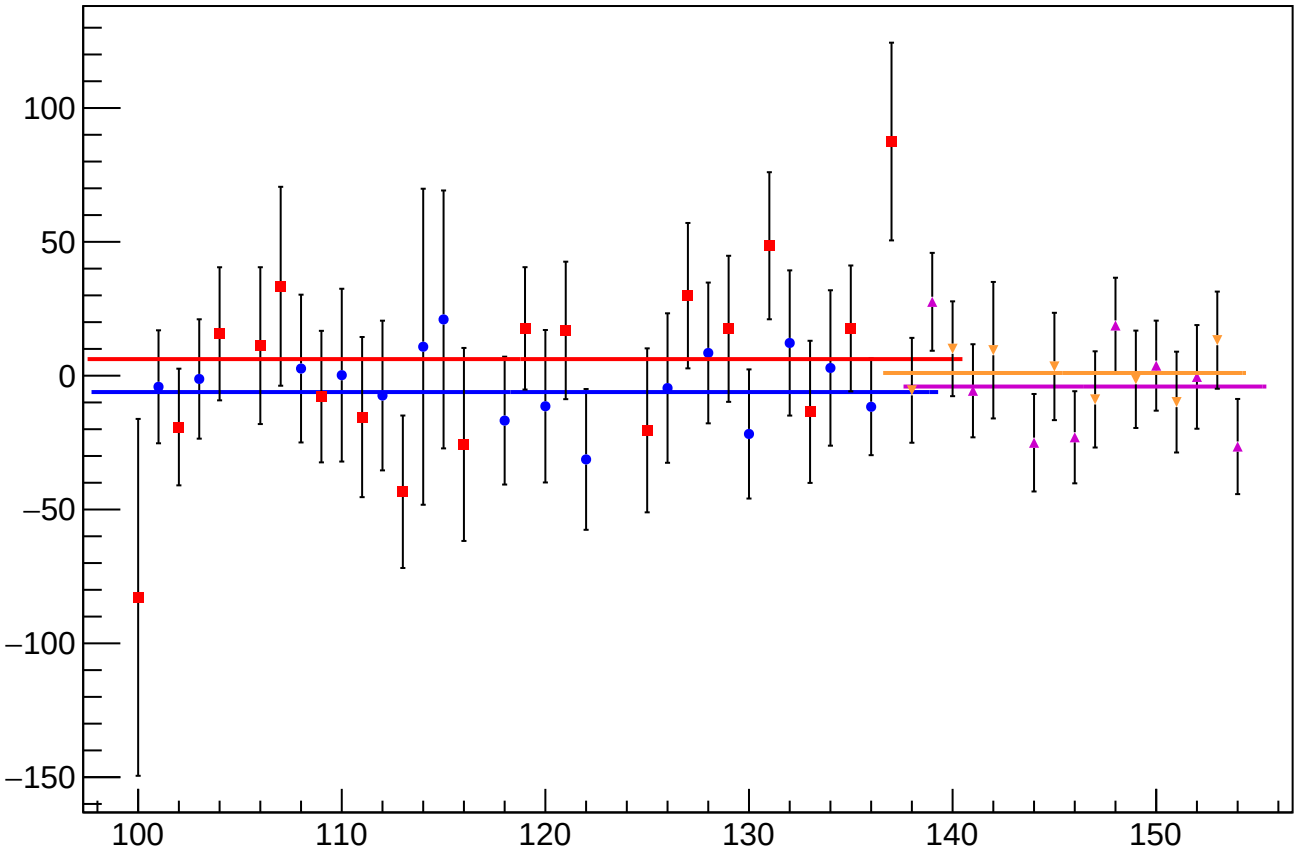
Left: 207.587+/-0.043 χ^2/NDF: 2076847.8/15

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 192.211+/-0.039 χ^2/NDF:2133837.3/23

Out: 192.366+/-0.040 χ^2/NDF:2923162.9/25

All: 192.286+/-0.028 χ^2/NDF: 5057008.0/49



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: -4.059+/-6.301 χ^2/NDF:9.0/7

Left: -1.708+/-4.614 χ^2/NDF: 10.9/15

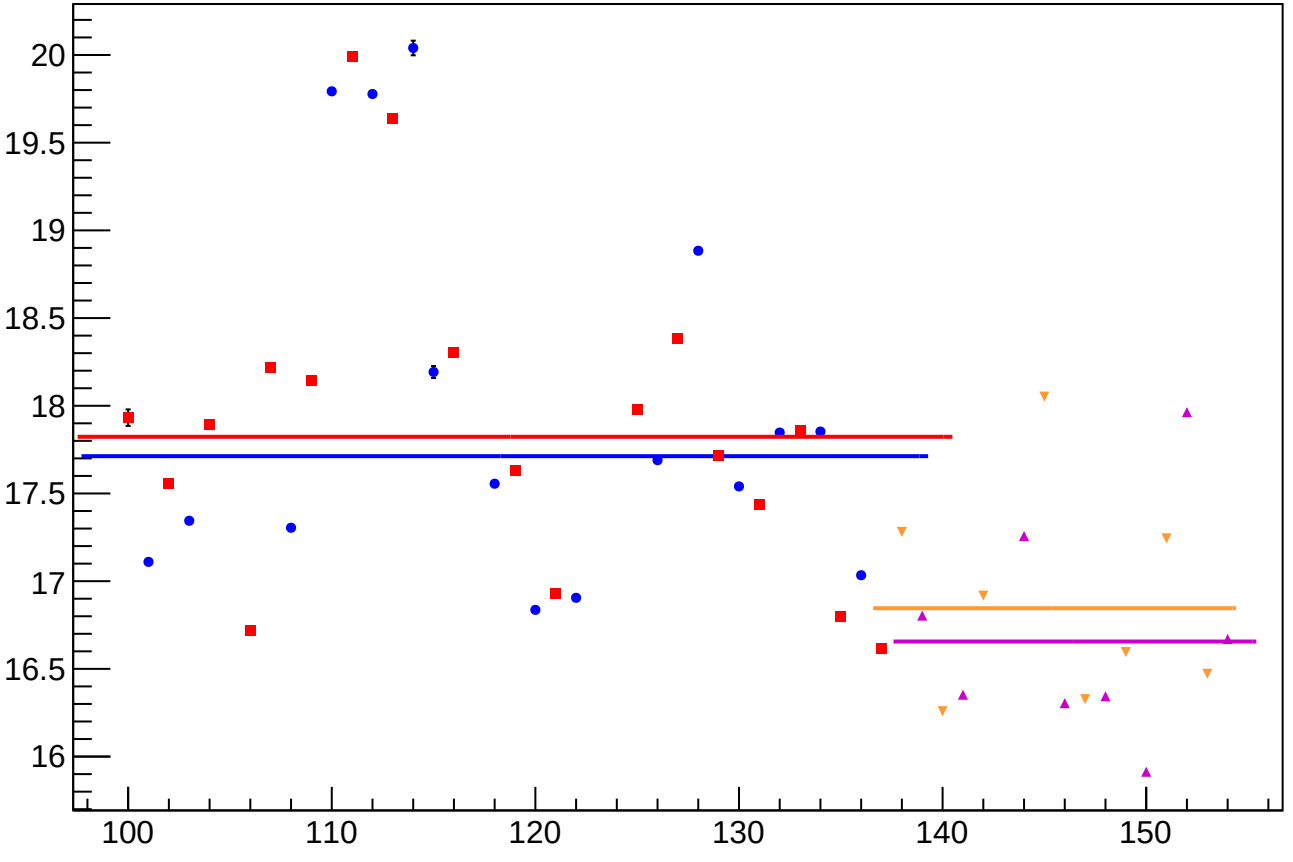
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -5.042+/-4.555 χ^2/NDF:12.2/23

Out: 3.677+/-4.720 χ^2/NDF:20.5/25

All: -0.838+/-3.278 χ^2/NDF: 34.5/49

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.846+/-0.005 χ^2/NDF:14224.6/7

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.656+/-0.004 χ^2/NDF:17383.6/7

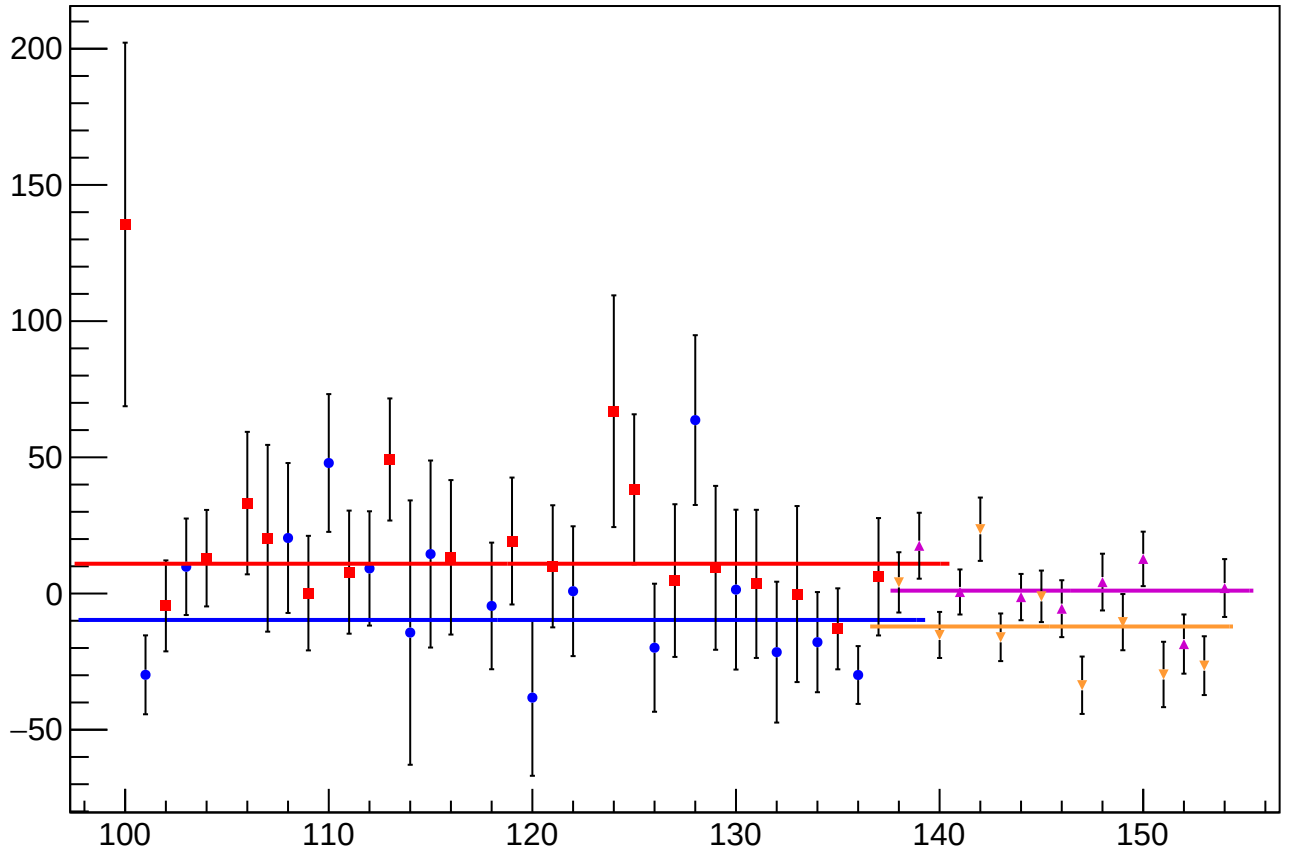
Left: 16.744+/-0.003 χ^2/NDF: 32452.0/15

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.160+/-0.003 χ^2/NDF:80227.7/23

Out: 17.349+/-0.003 χ^2/NDF:68144.9/25

All: 17.251+/-0.002 χ^2/NDF: 150022.1/49



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.102+/-3.376 χ^2/NDF:21.4/8

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 1.058+/-3.513 χ^2/NDF:7.1/7

Left: -5.785+/-2.434 χ^2/NDF: 35.8/16

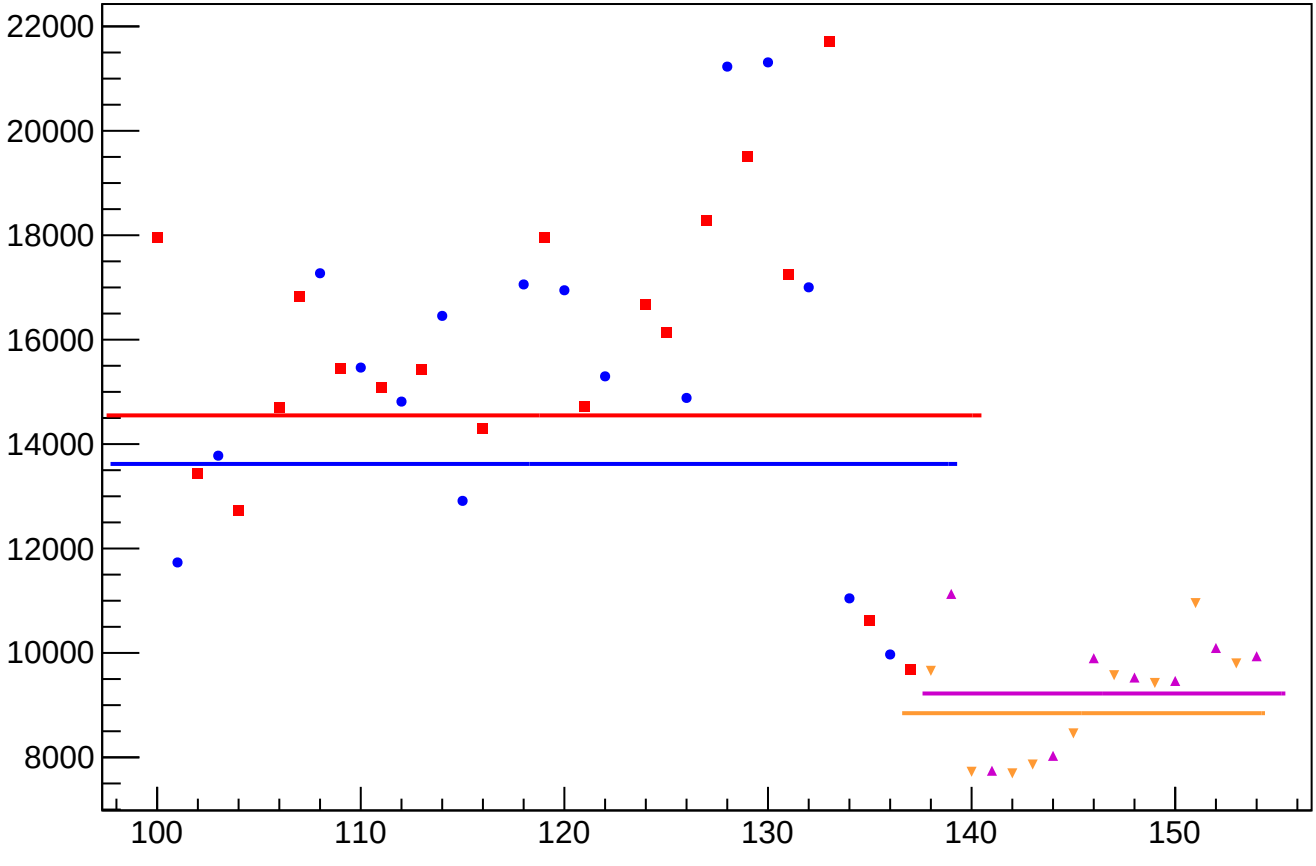
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -2.287+/-2.917 χ^2/NDF:32.0/23

Out: -5.690+/-2.868 χ^2/NDF:48.5/27

All: -4.017+/-2.045 χ^2/NDF: 81.1/51

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: 9223.252+/-2.484 χ^2/NDF:186290.9/7

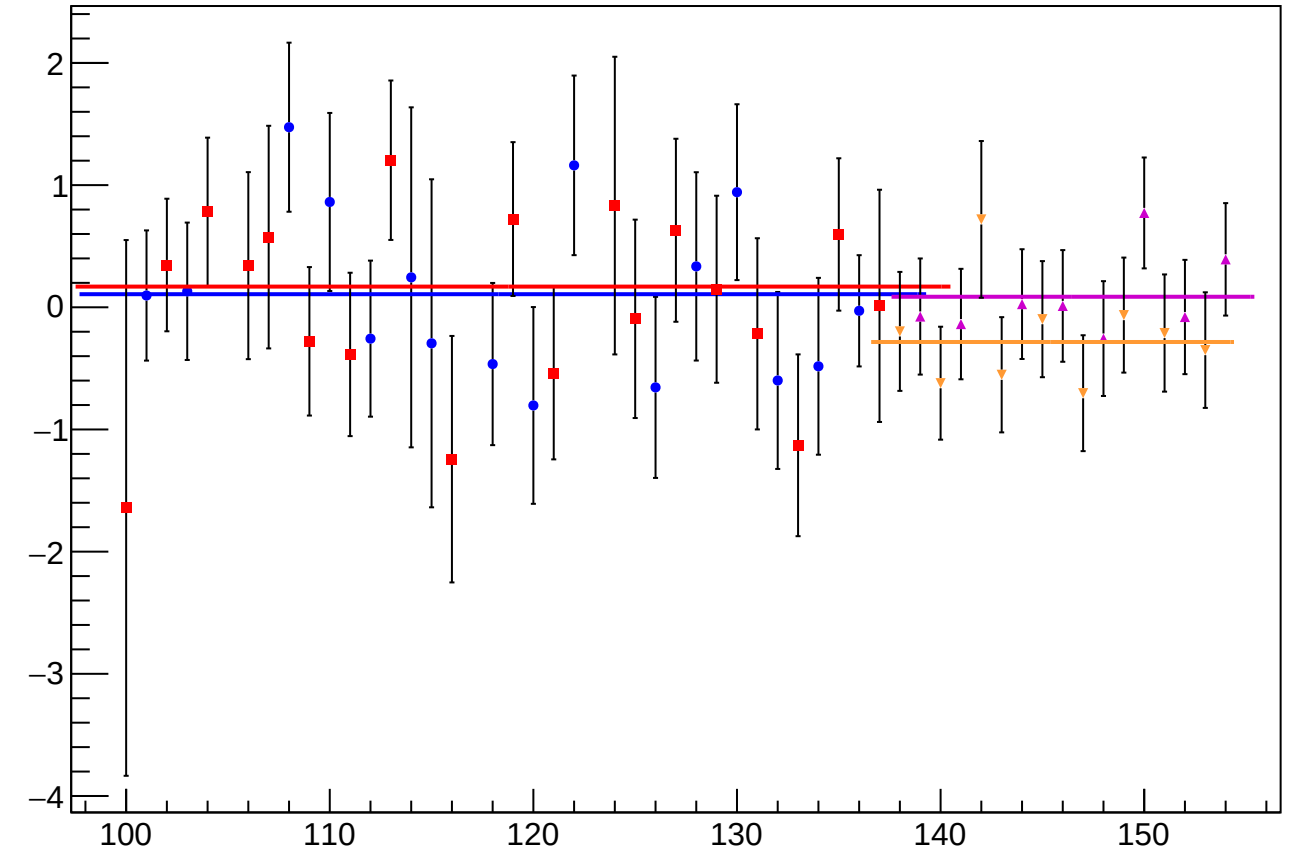
Left: 9027.073+/-1.721 χ^2/NDF: 385700.2/16

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10589.905+/-2.062 χ^2/NDF:1906797.0/23

Out: 10433.206+/-2.028 χ^2/NDF:2332297.0/27

All: 10510.230+/-1.446 χ^2/NDF: 4242029.3/5



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: 0.086+/-0.163 χ^2/NDF:3.8/7

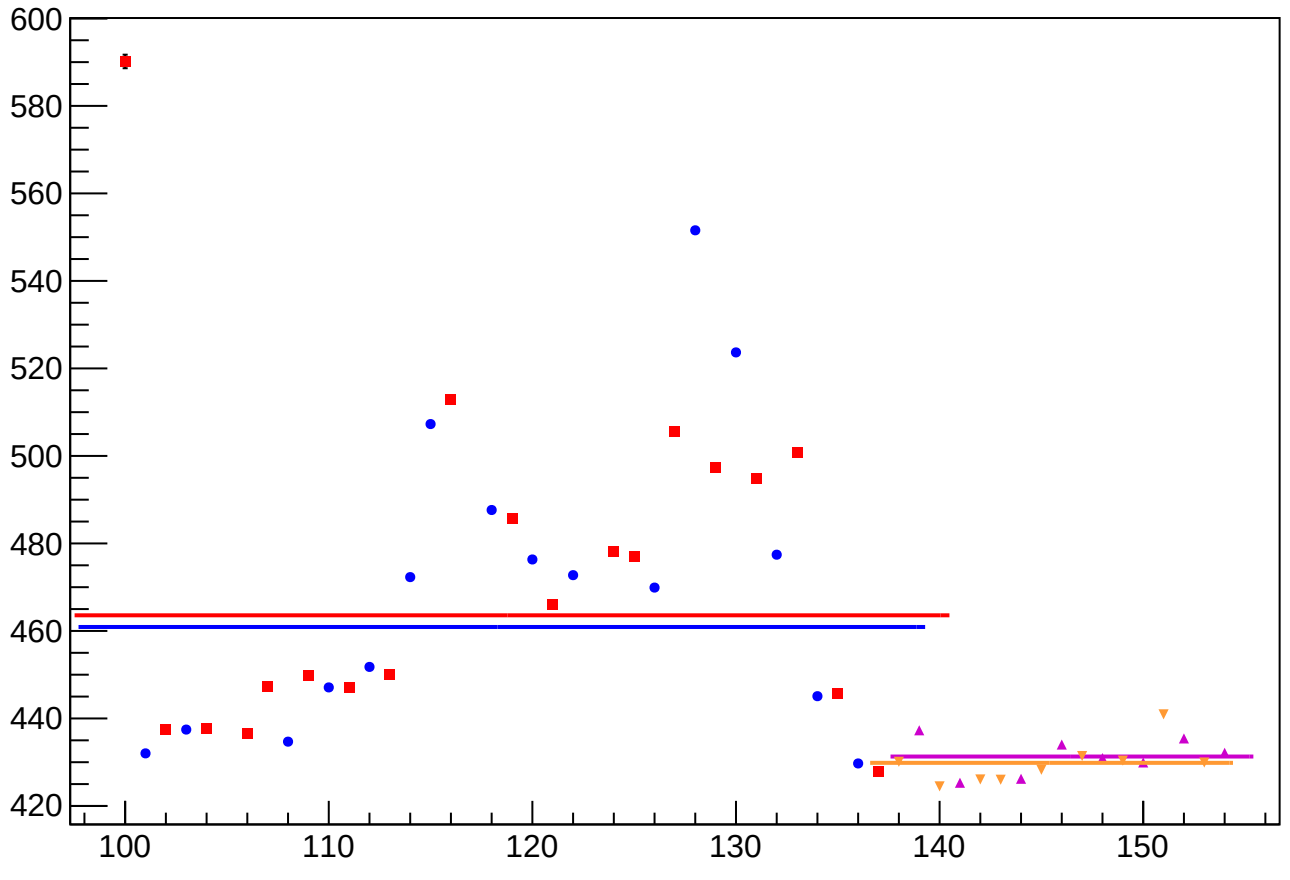
Left: -0.100+/-0.115 χ^2/NDF: 10.9/16

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.096+/-0.118 χ^2/NDF:17.5/23

Out: -0.067+/-0.117 χ^2/NDF:22.4/27

All: 0.014+/-0.083 χ^2/NDF: 40.8/51



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: 431.297+/-0.115 χ^2/NDF:1179.9/7

Left: 430.574+/-0.081 χ^2/NDF: 2848.0/16

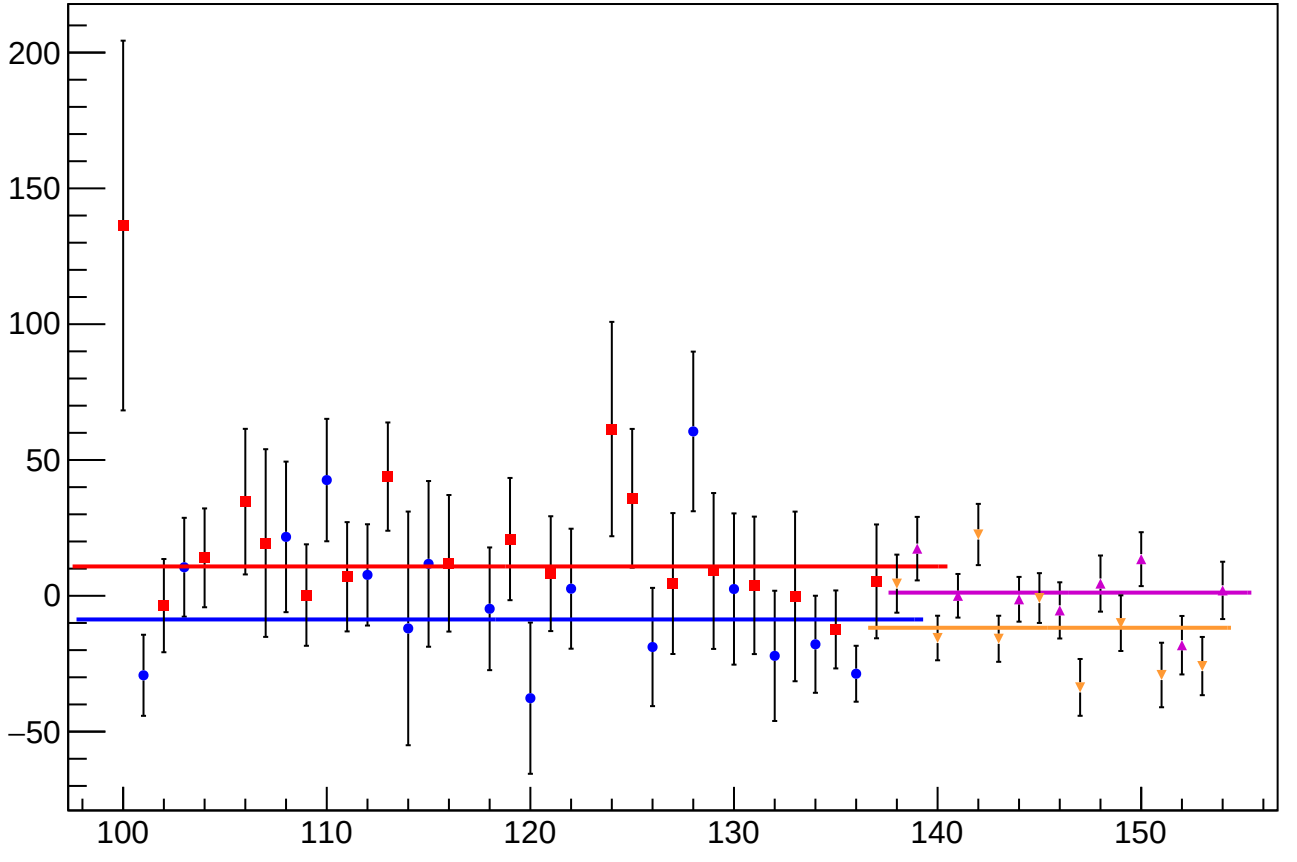
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 445.312+/-0.084 χ^2/NDF:107431.5/23

Out: 445.975+/-0.083 χ^2/NDF:95102.1/27

All: 445.646+/-0.059 χ^2/NDF: 202565.3/51

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -11.772+/-3.302 χ^2/NDF:21.8/8

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.168+/-3.450 χ^2/NDF:7.3/7

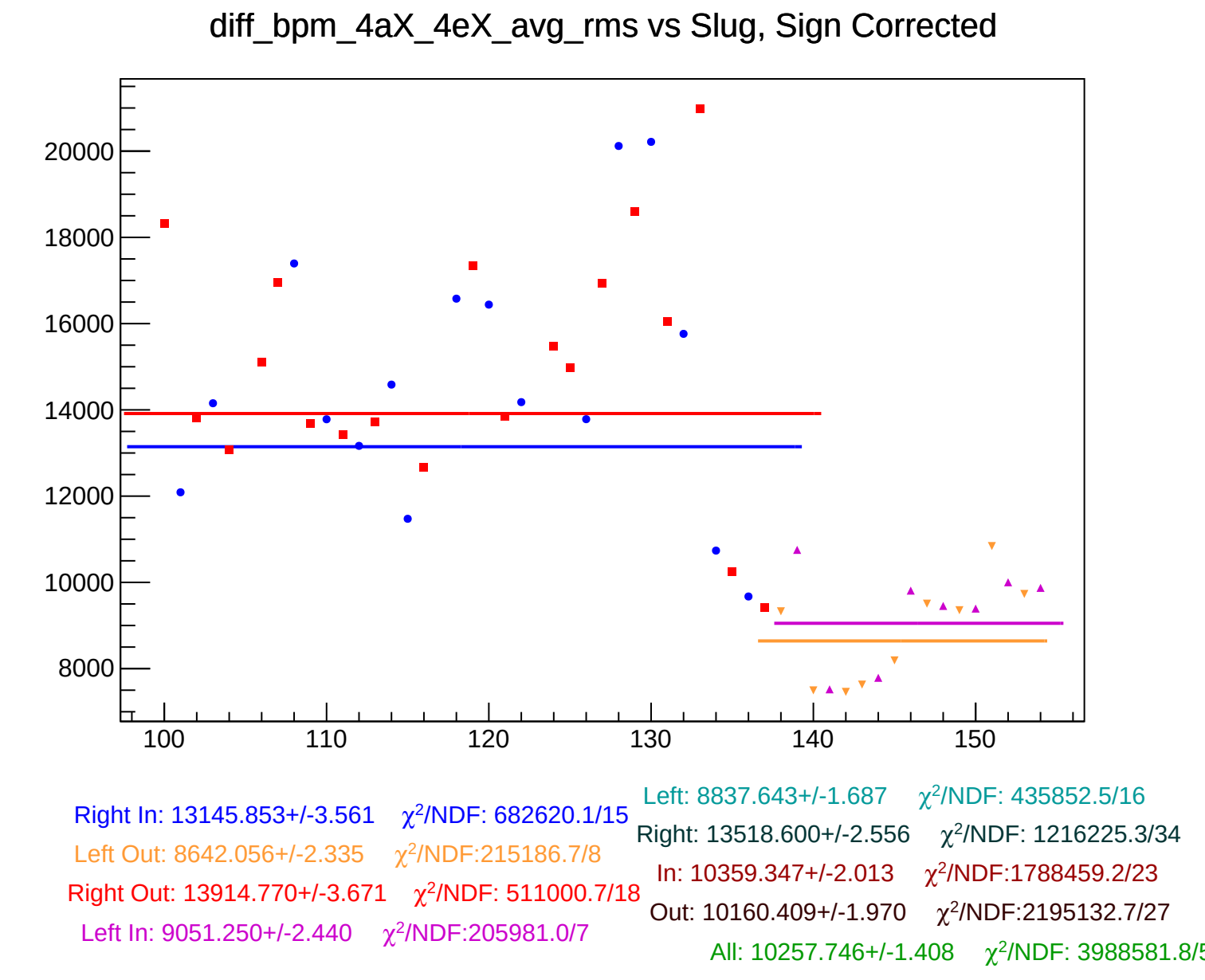
Left: -5.587+/-2.385 χ^2/NDF: 36.4/16

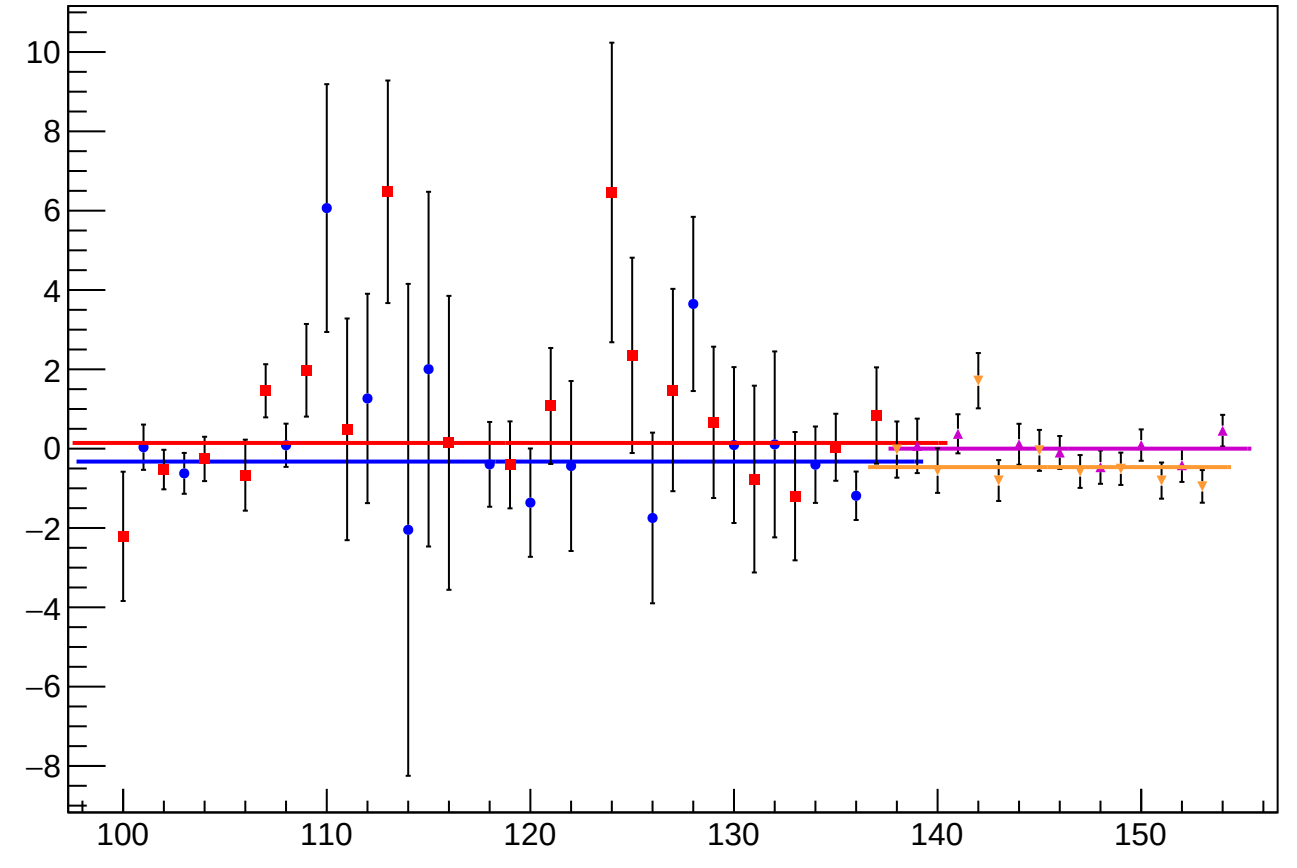
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -1.987+/-2.846 χ^2/NDF:32.2/23

Out: -5.270+/-2.786 χ^2/NDF:49.1/27

All: -3.663+/-1.991 χ^2/NDF: 82.0/51


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: 9051.250+/-2.440 χ²/NDF:205981.0/7
Left: 8837.643+/-1.687 χ²/NDF: 435852.5/16
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10359.347+/-2.013 χ²/NDF:1788459.2/23
Out: 10160.409+/-1.970 χ²/NDF:2195132.7/27
All: 10257.746+/-1.408 χ²/NDF: 3988581.8/5



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: 0.000+/-0.159 χ^2/NDF:4.2/7

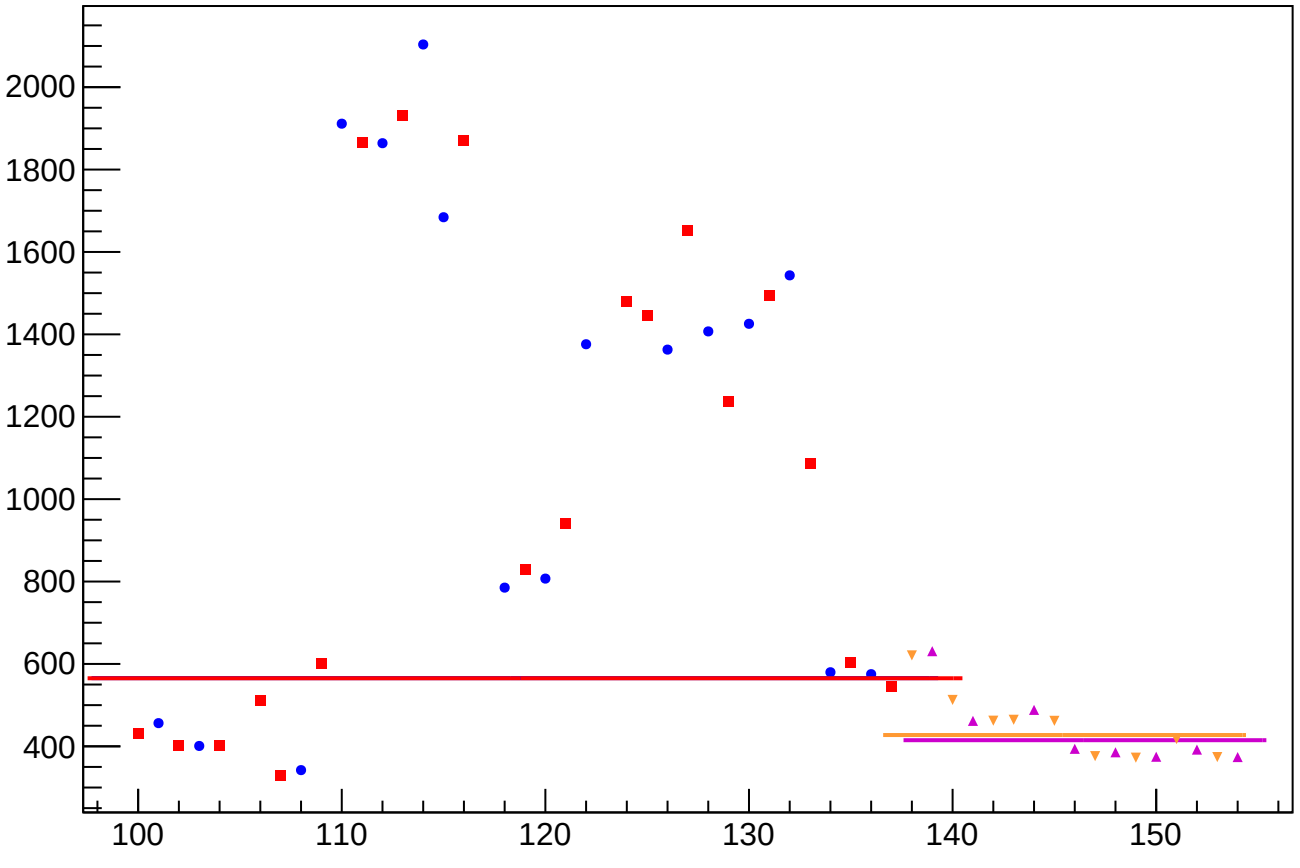
Left: -0.225+/-0.114 χ^2/NDF: 21.7/16

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.097+/-0.133 χ^2/NDF:18.1/23

Out: -0.277+/-0.136 χ^2/NDF:40.1/27

All: -0.185+/-0.095 χ^2/NDF: 59.0/51



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: 414.887+/-0.112 χ^2/NDF:319024.1/7

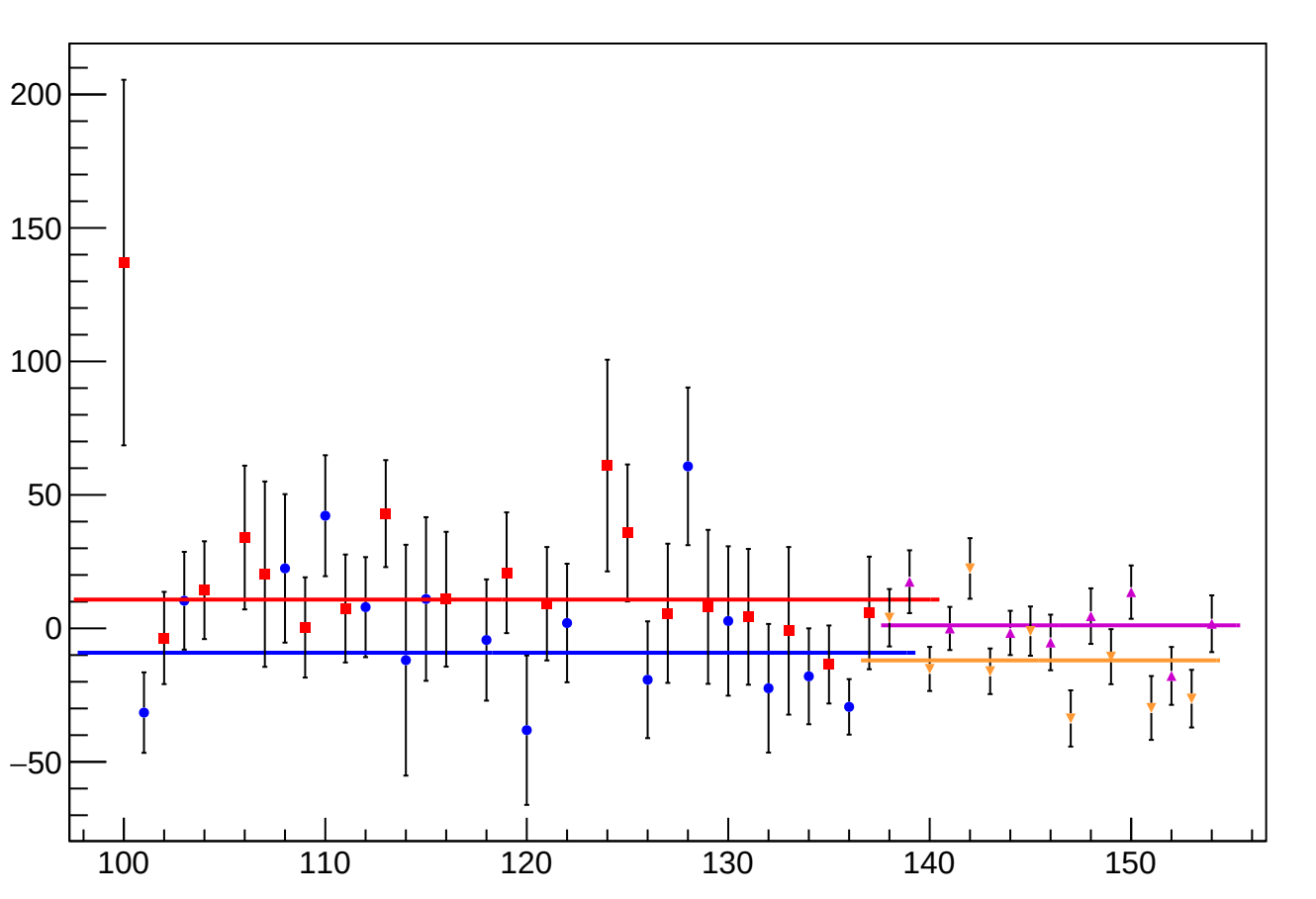
Left: 420.969+/-0.081 χ^2/NDF: 645810.3/16

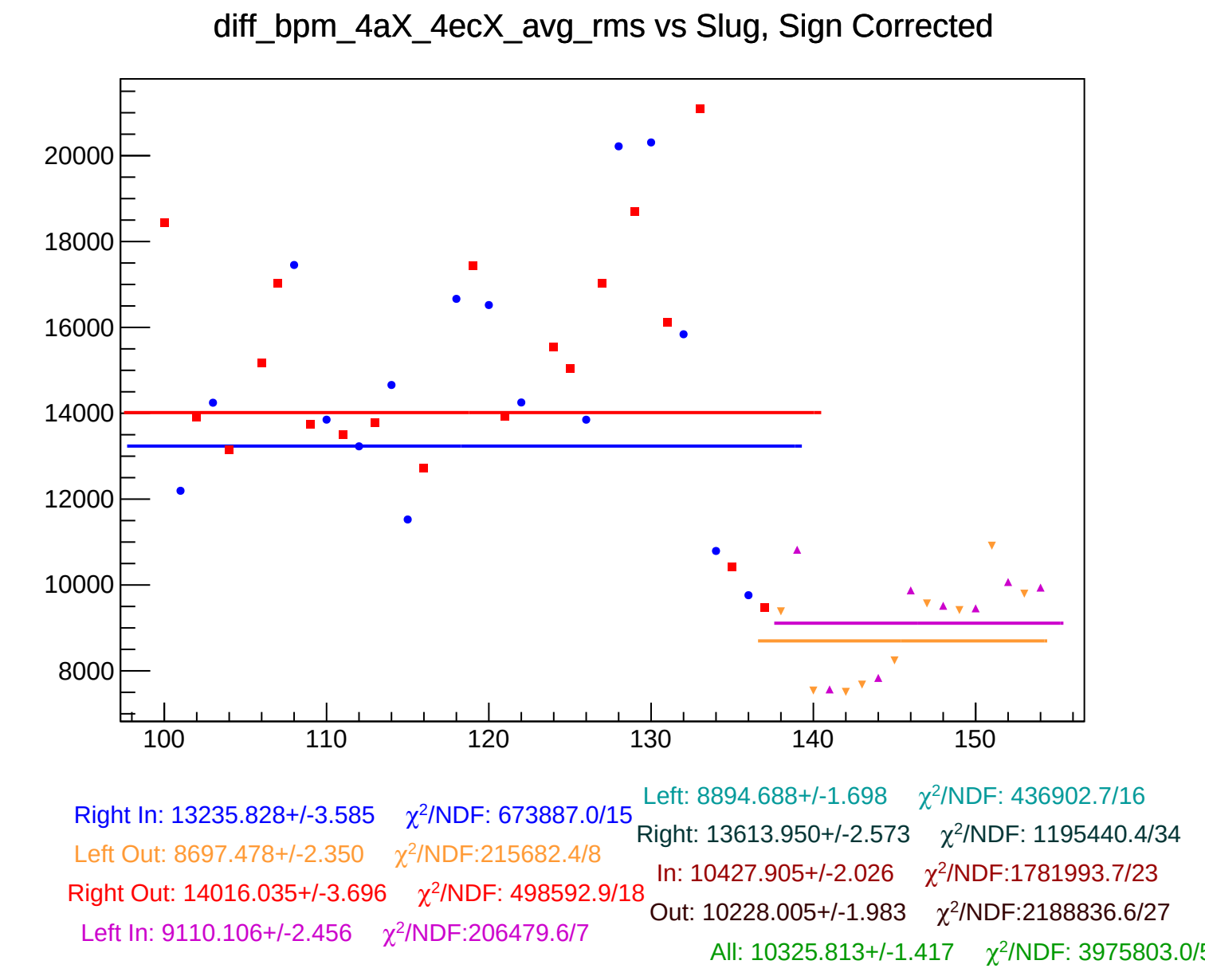
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

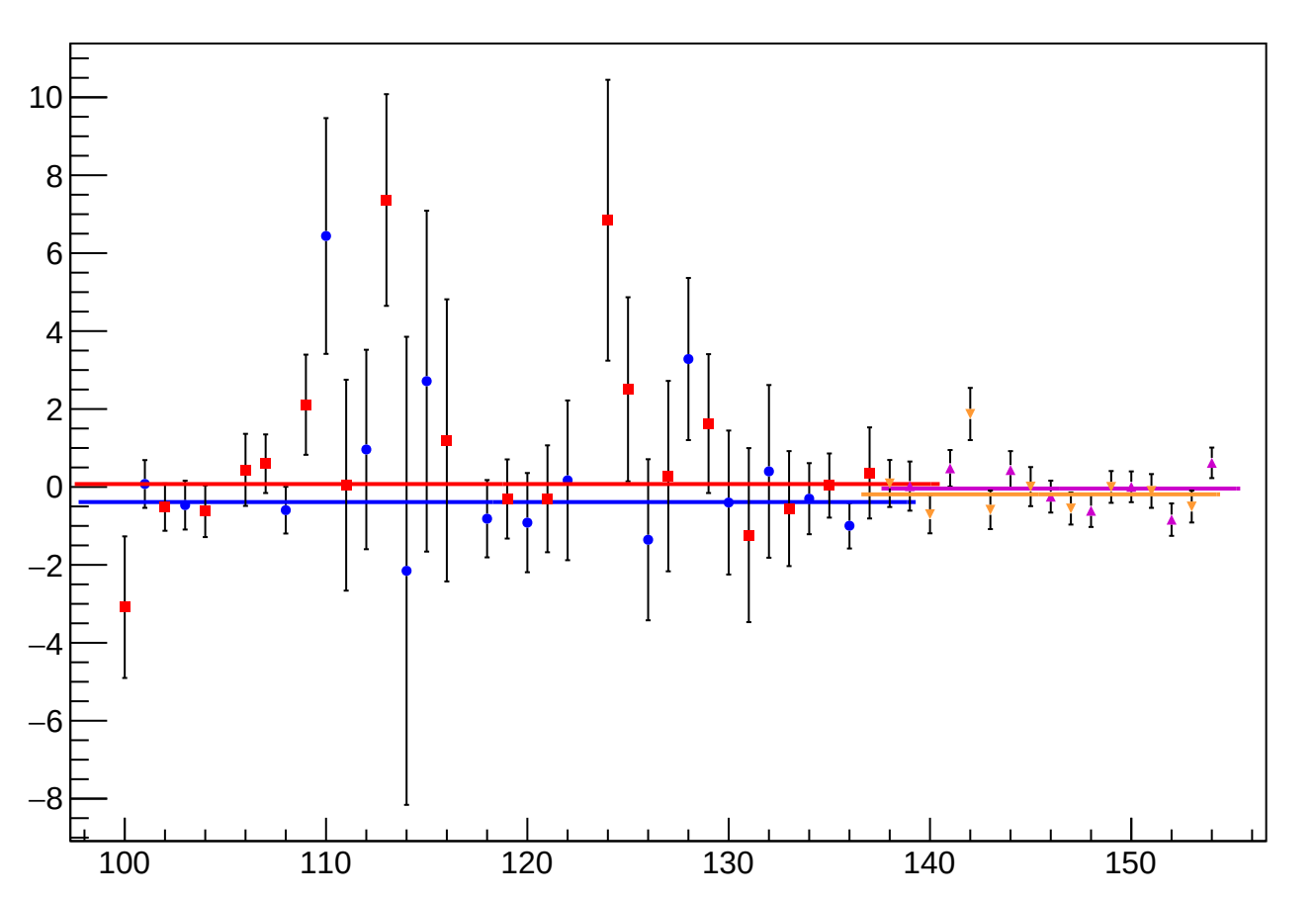
In: 459.622+/-0.094 χ^2/NDF:4304971.0/23

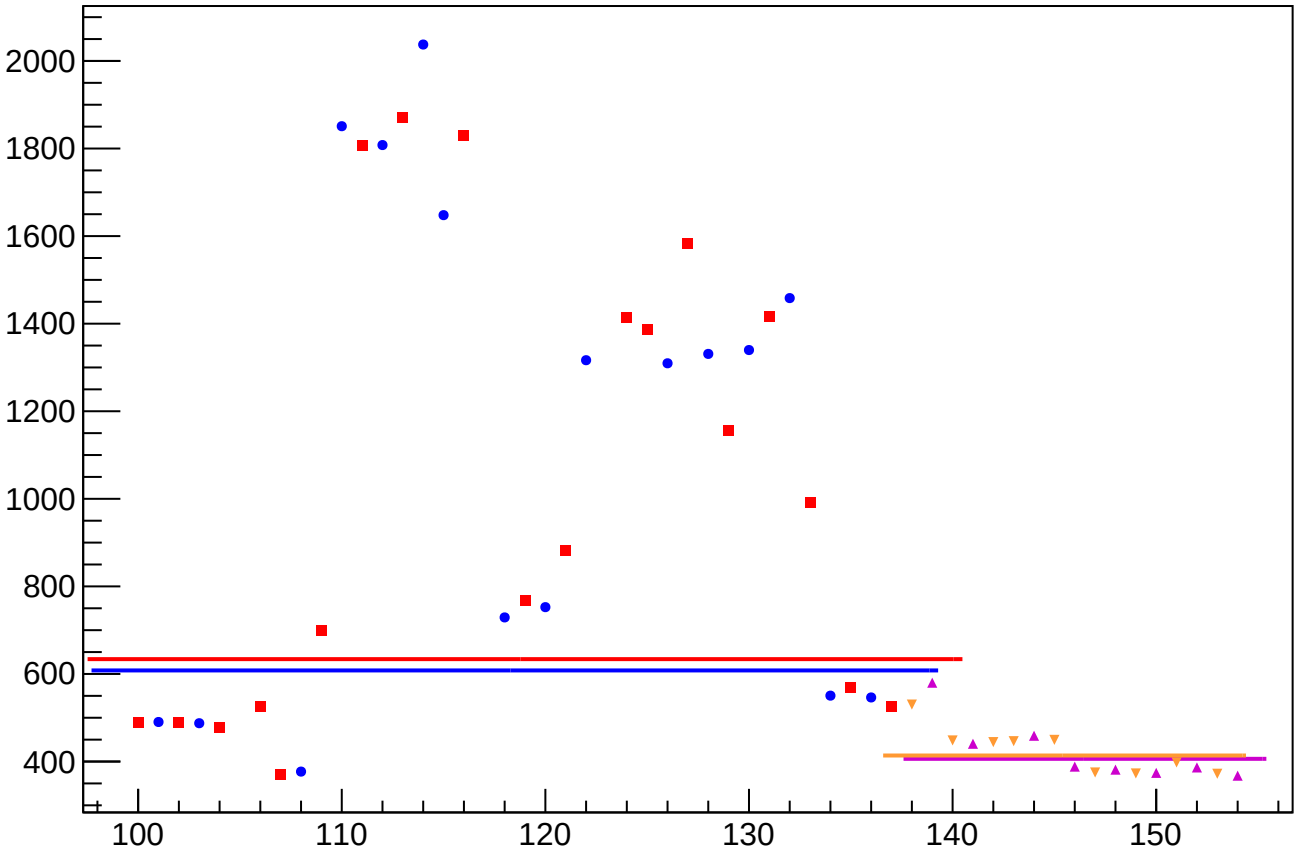
Out: 470.127+/-0.096 χ^2/NDF:4331154.9/27

All: 464.758+/-0.067 χ^2/NDF: 8642223.6/51


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: 1.140+/-3.473 χ²/NDF:7.2/7
Left: -5.712+/-2.401 χ²/NDF: 36.1/16
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -2.140+/-2.865 χ²/NDF:32.7/23
Out: -5.432+/-2.804 χ²/NDF:48.7/27
All: -3.821+/-2.004 χ²/NDF: 82.1/51


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: 9110.106+/-2.456 χ²/NDF:206479.6/7
Left: 8894.688+/-1.698 χ²/NDF: 436902.7/16
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10427.905+/-2.026 χ²/NDF:1781993.7/23
Out: 10228.005+/-1.983 χ²/NDF:2188836.6/27
All: 10325.813+/-1.417 χ²/NDF: 3975803.0/5


diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected
10
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.388+/-0.256 χ²/NDF: 11.7/15
Left Out: -0.190+/-0.157 χ²/NDF:13.2/8
Right Out: 0.075+/-0.265 χ²/NDF: 21.7/18
Left In: -0.041+/-0.155 χ²/NDF:10.9/7
Left: -0.114+/-0.110 χ²/NDF: 24.5/16
Right: -0.164+/-0.184 χ²/NDF: 34.9/34
In: -0.134+/-0.132 χ²/NDF:23.9/23
Out: -0.121+/-0.135 χ²/NDF:35.6/27
All: -0.128+/-0.095 χ²/NDF: 59.5/51



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: 406.186+/-0.109 χ^2/NDF:234244.5/7

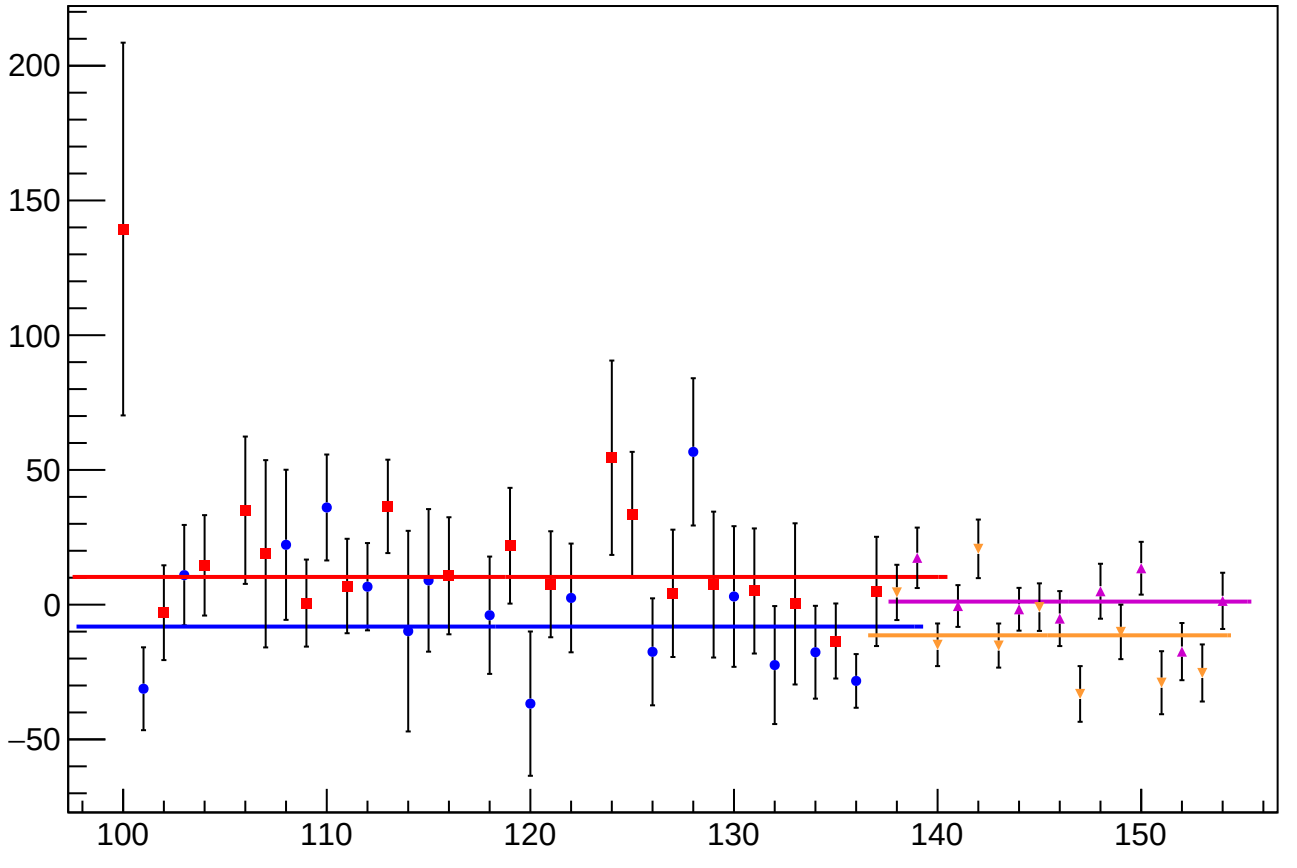
Left: 409.914+/-0.078 χ^2/NDF: 405090.6/16

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 460.280+/-0.094 χ^2/NDF:3999552.7/23

Out: 471.305+/-0.096 χ^2/NDF:3979793.7/27

All: 465.674+/-0.067 χ^2/NDF: 7986135.9/51



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: 1.136+/-3.368 χ^2/NDF:7.5/7

Left: -5.423+/-2.323 χ^2/NDF: 36.1/16

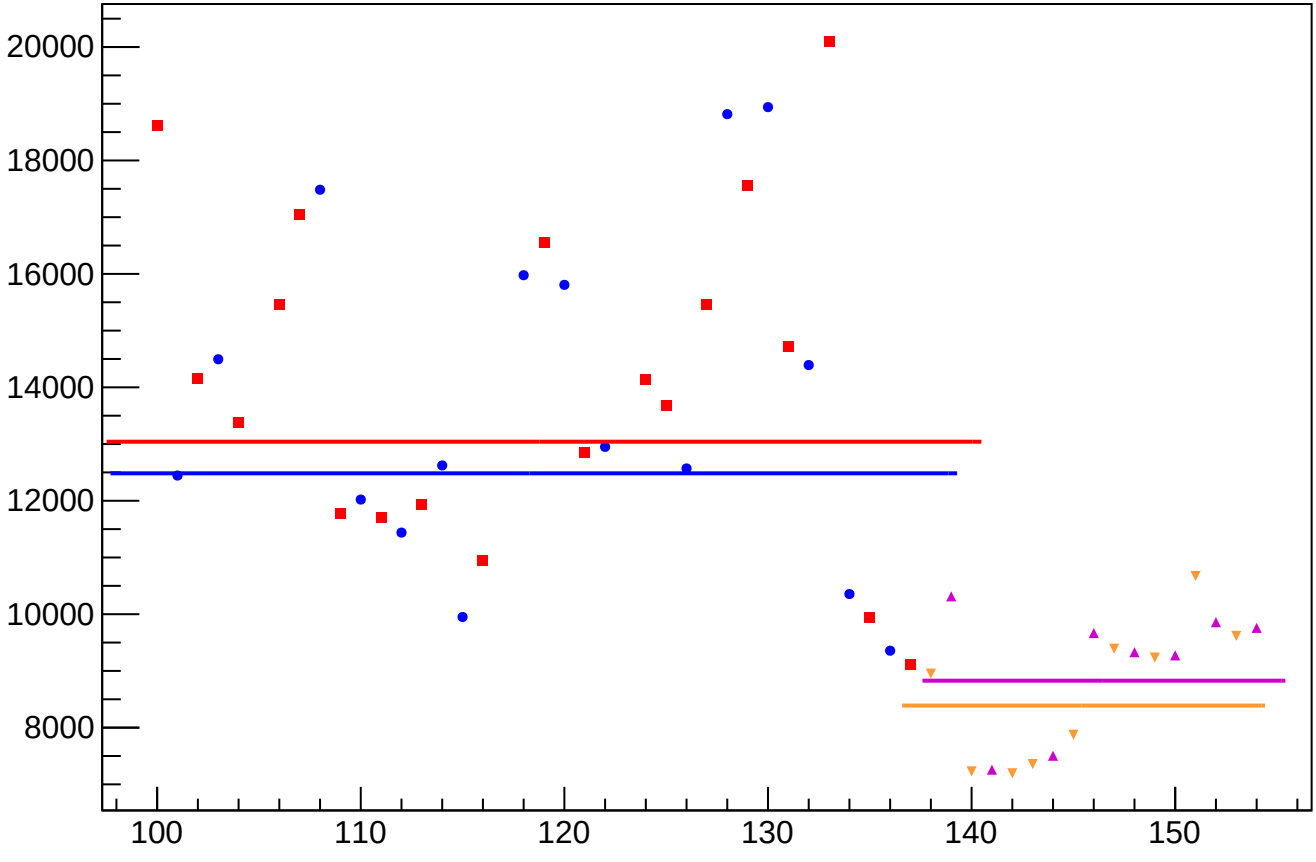
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -1.940+/-2.753 χ^2/NDF:33.1/23

Out: -4.825+/-2.680 χ^2/NDF:48.9/27

All: -3.421+/-1.920 χ^2/NDF: 82.5/51

diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected



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: 8827.984+/-2.382 χ^2/NDF:230006.2/7

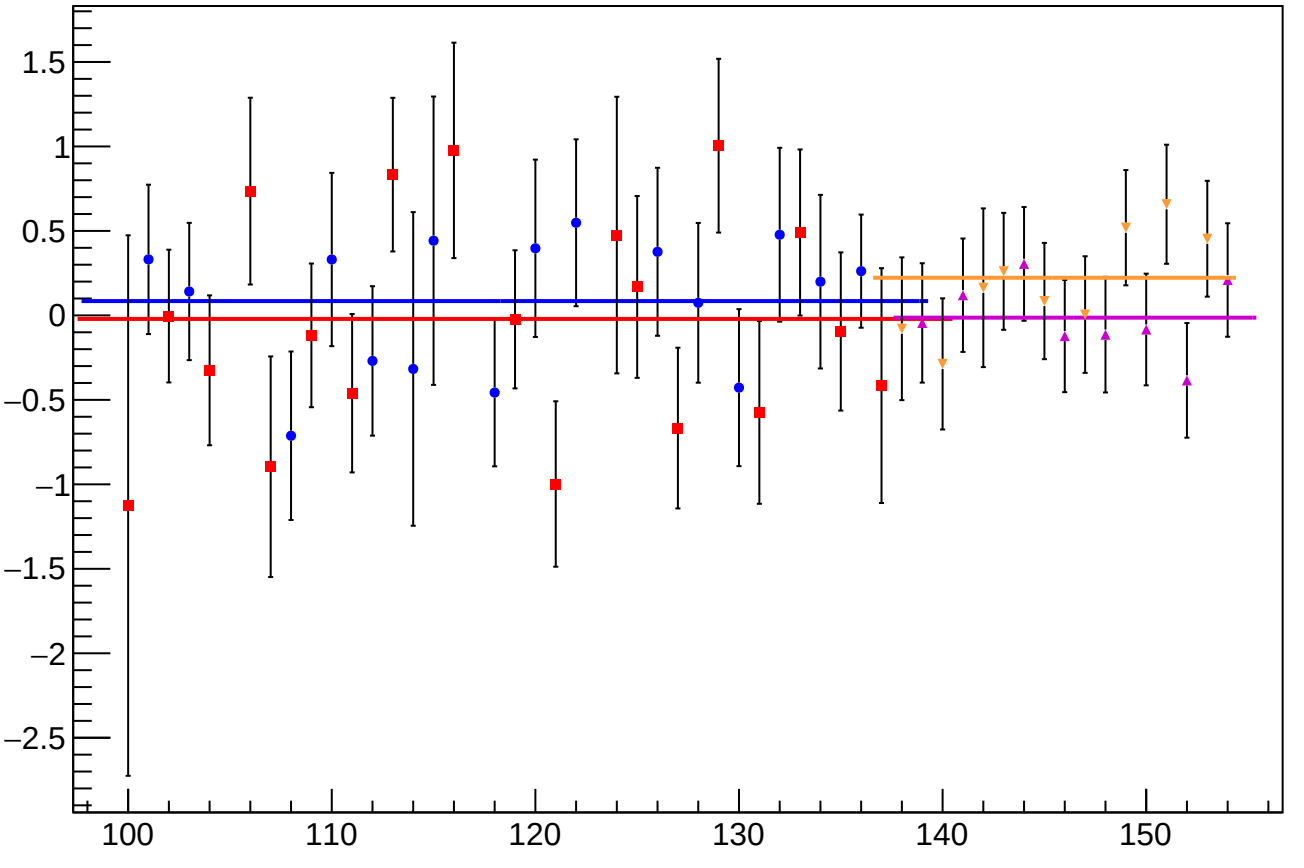
Left: 8598.012+/-1.643 χ^2/NDF: 495531.2/16

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10041.184+/-1.947 χ^2/NDF:1683599.8/23

Out: 9796.299+/-1.895 χ^2/NDF:2063425.1/27

All: 9915.461+/-1.358 χ^2/NDF: 3755149.3/51



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: -0.013+/-0.119 χ^2/NDF:2.9/7

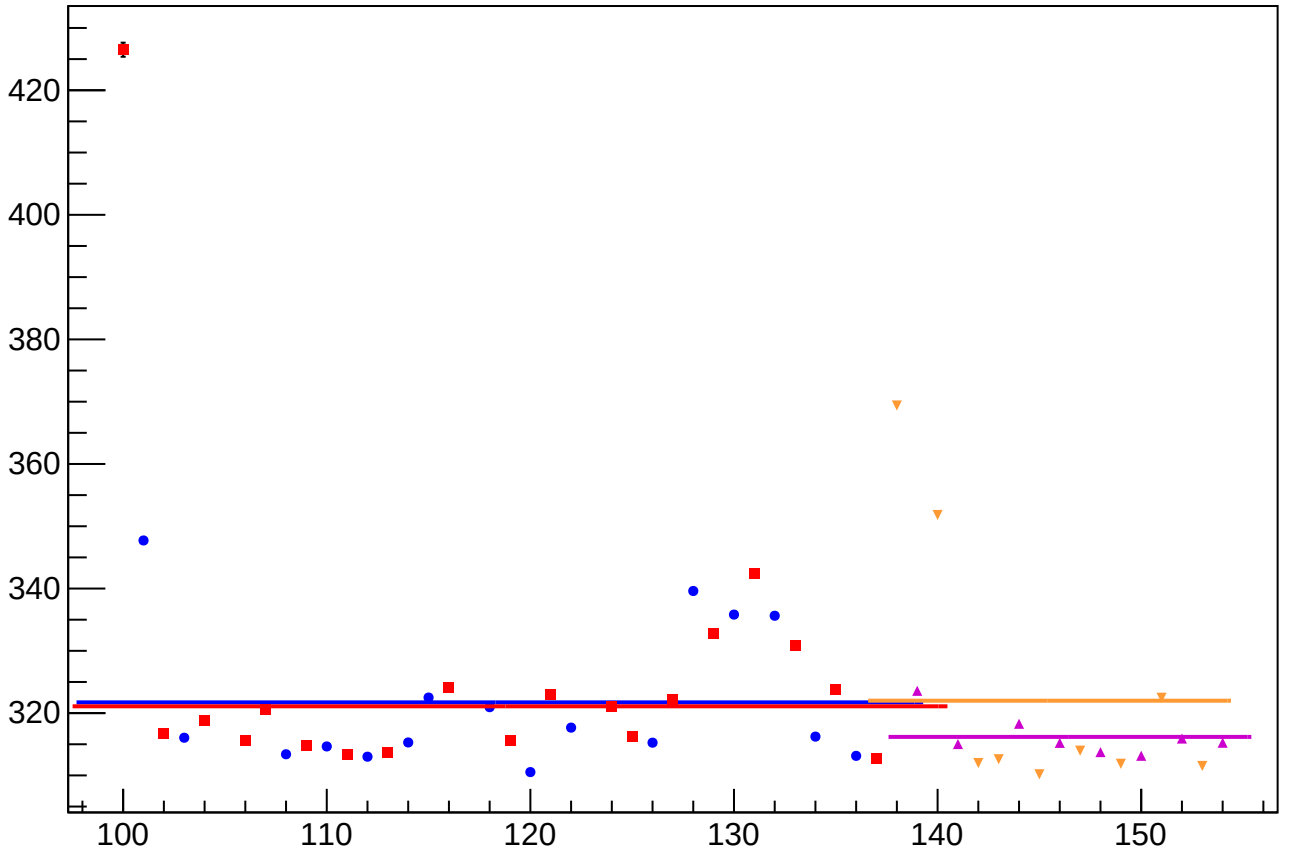
Left: 0.102+/-0.085 χ^2/NDF: 10.4/16

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.035+/-0.085 χ^2/NDF:12.6/23

Out: 0.096+/-0.085 χ^2/NDF:31.9/27

All: 0.066+/-0.060 χ^2/NDF: 44.8/51



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: 316.182+/-0.084 χ^2/NDF:1282.5/7

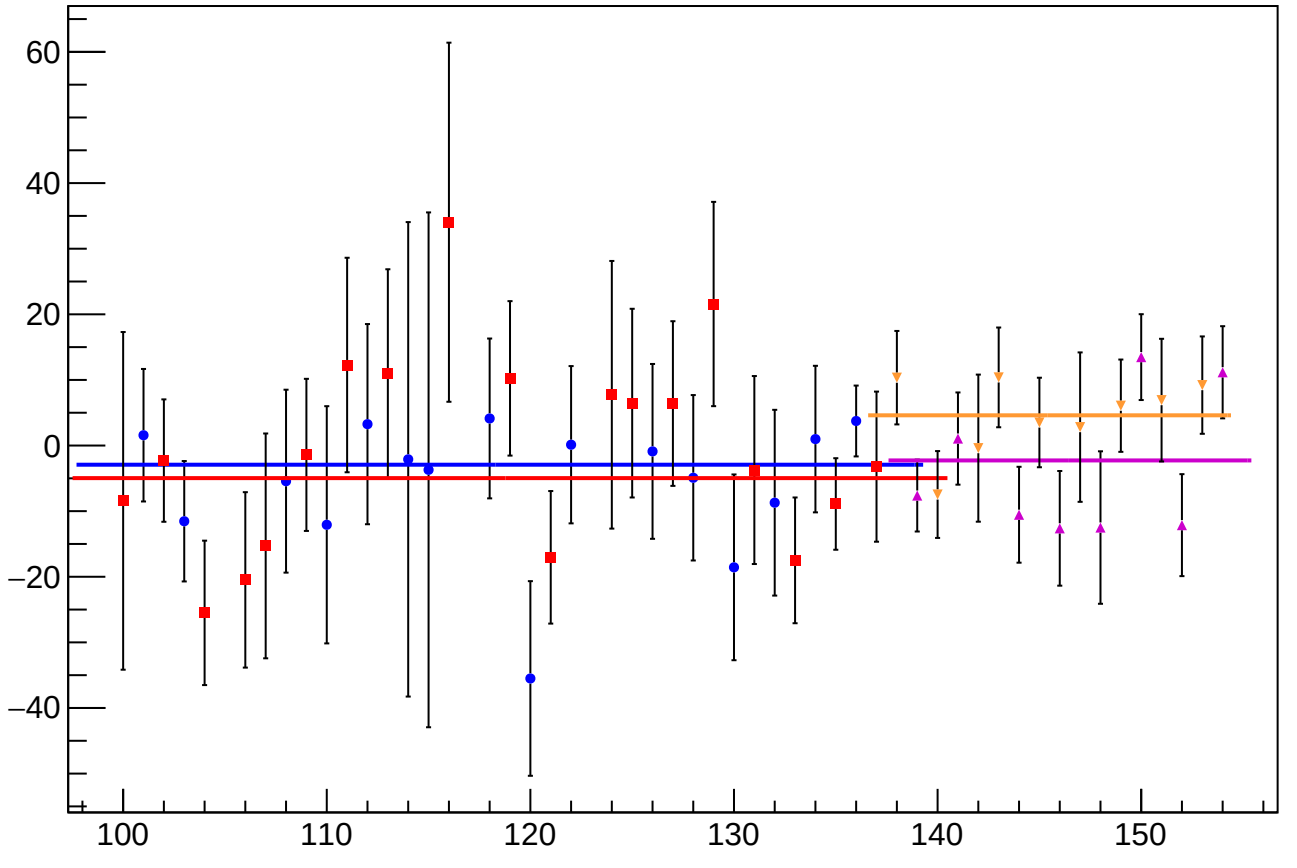
Left: 319.027+/-0.060 χ^2/NDF: 50024.7/16

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 318.940+/-0.060 χ^2/NDF:21638.5/23

Out: 321.527+/-0.060 χ^2/NDF:63061.6/27

All: 320.235+/-0.042 χ^2/NDF: 85633.7/51



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: -2.270+/-2.557 χ^2/NDF:15.7/7

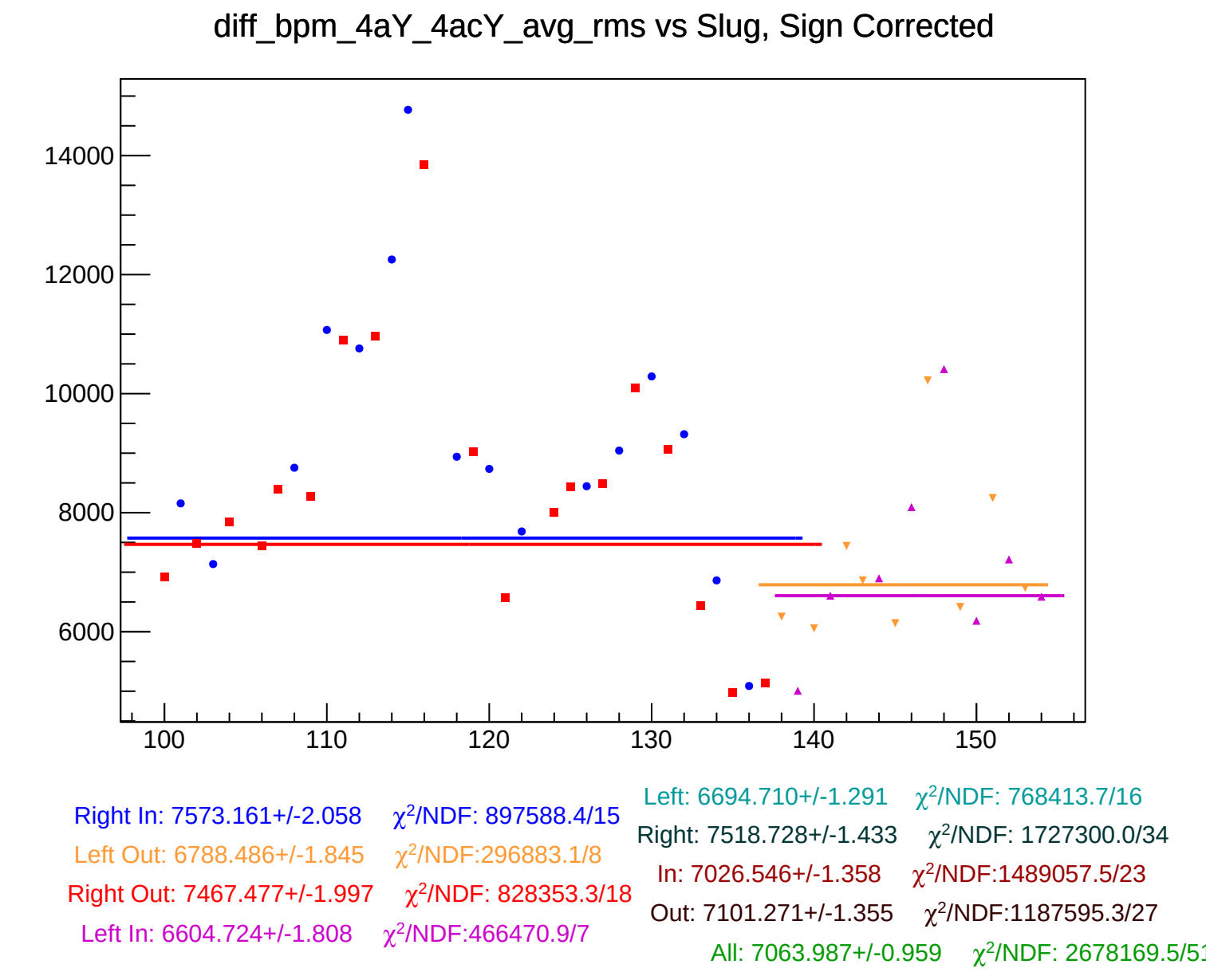
Left: 1.098+/-1.826 χ^2/NDF: 24.5/16

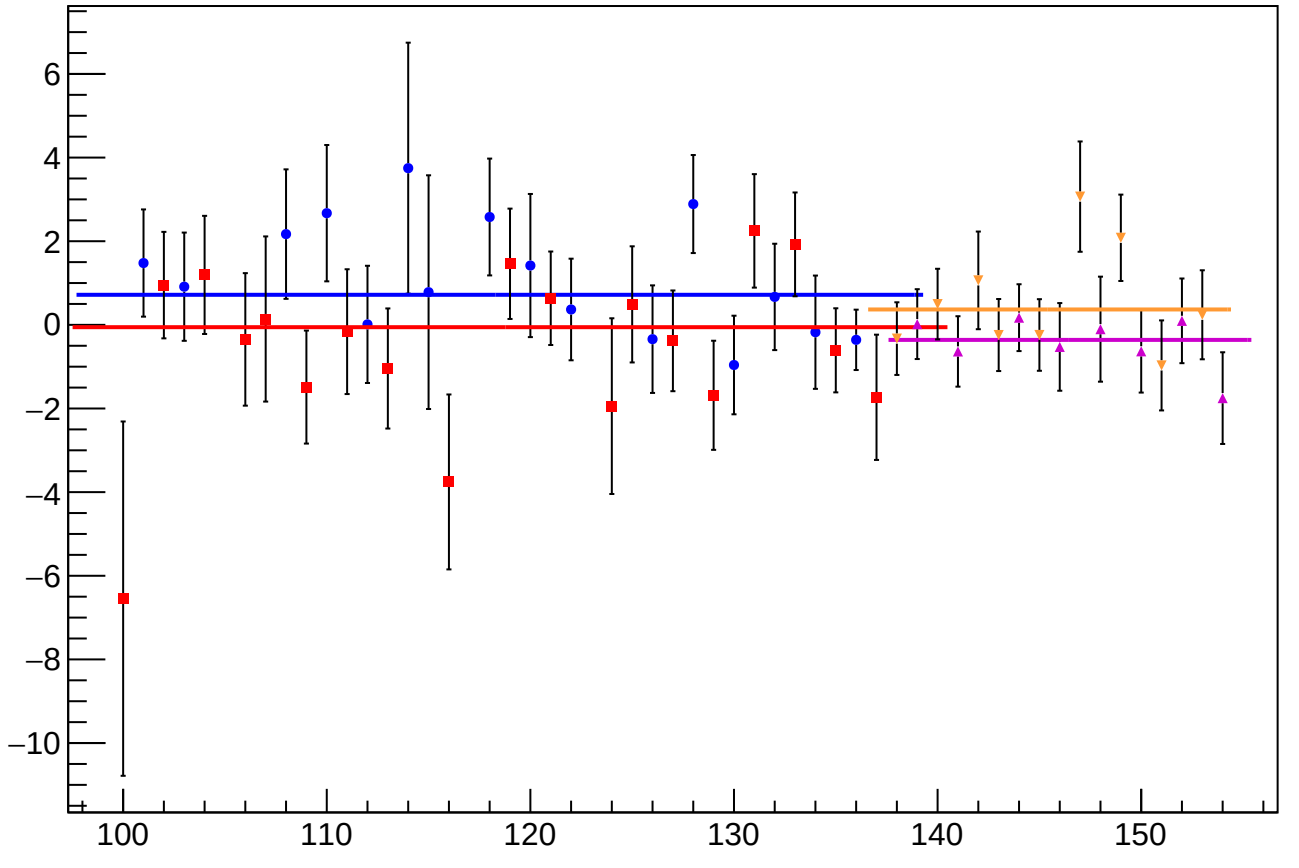
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

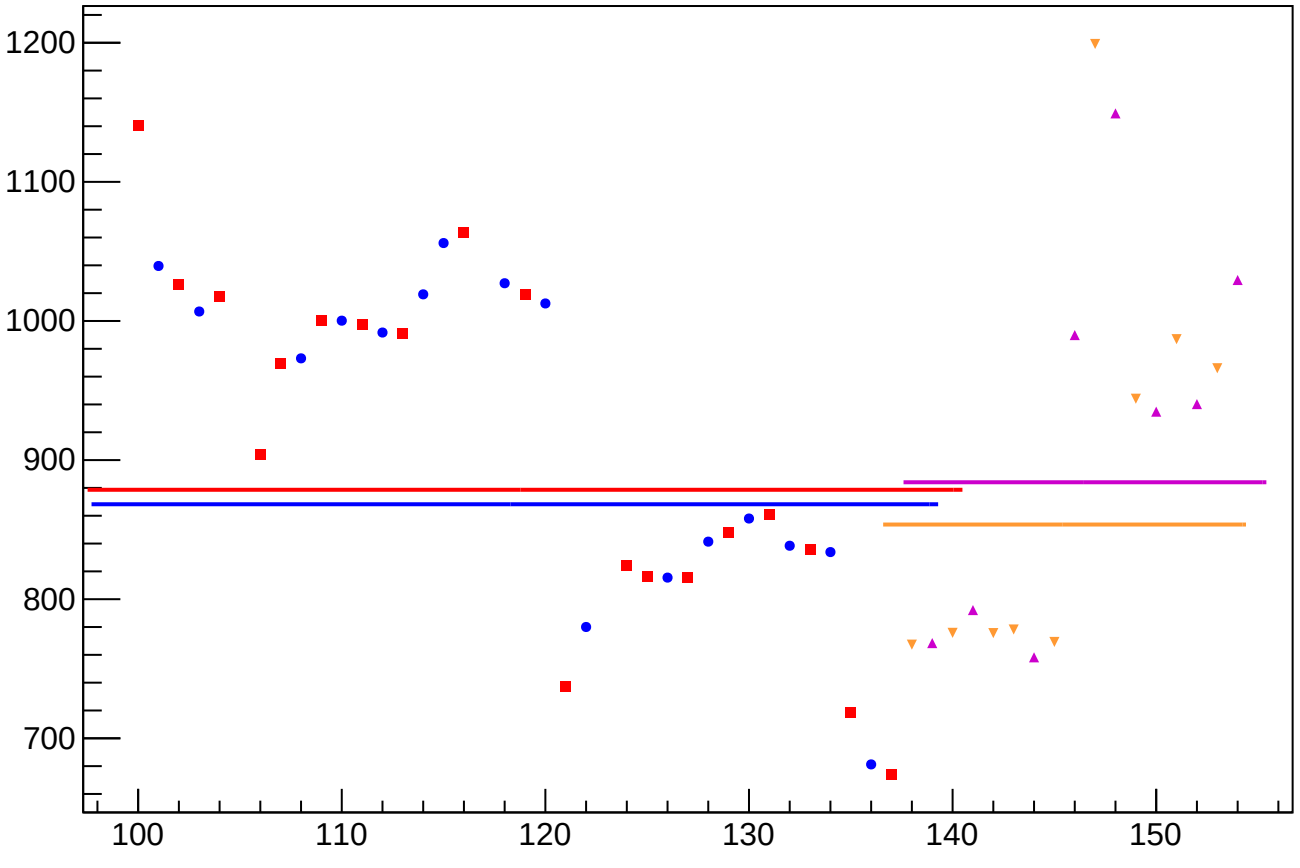
In: -2.554+/-1.921 χ^2/NDF:25.6/23

Out: 0.198+/-1.917 χ^2/NDF:30.9/27

All: -1.175+/-1.357 χ^2/NDF: 57.5/51


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: 6604.724+/-1.808 χ²/NDF:466470.9/7
Left: 6694.710+/-1.291 χ²/NDF: 768413.7/16
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 7026.546+/-1.358 χ²/NDF:1489057.5/23
Out: 7101.271+/-1.355 χ²/NDF:1187595.3/27
All: 7063.987+/-0.959 χ²/NDF: 2678169.5/51


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: -0.360+/-0.337 χ²/NDF:2.7/7
Left: 0.017+/-0.234 χ²/NDF: 15.7/16
Right: 0.329+/-0.230 χ²/NDF: 37.4/34
In: 0.198+/-0.234 χ²/NDF:22.8/23
Out: 0.155+/-0.229 χ²/NDF:31.2/27
All: 0.176+/-0.164 χ²/NDF: 54.0/51



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: 884.063+/-0.239 χ^2/NDF:267933.4/7

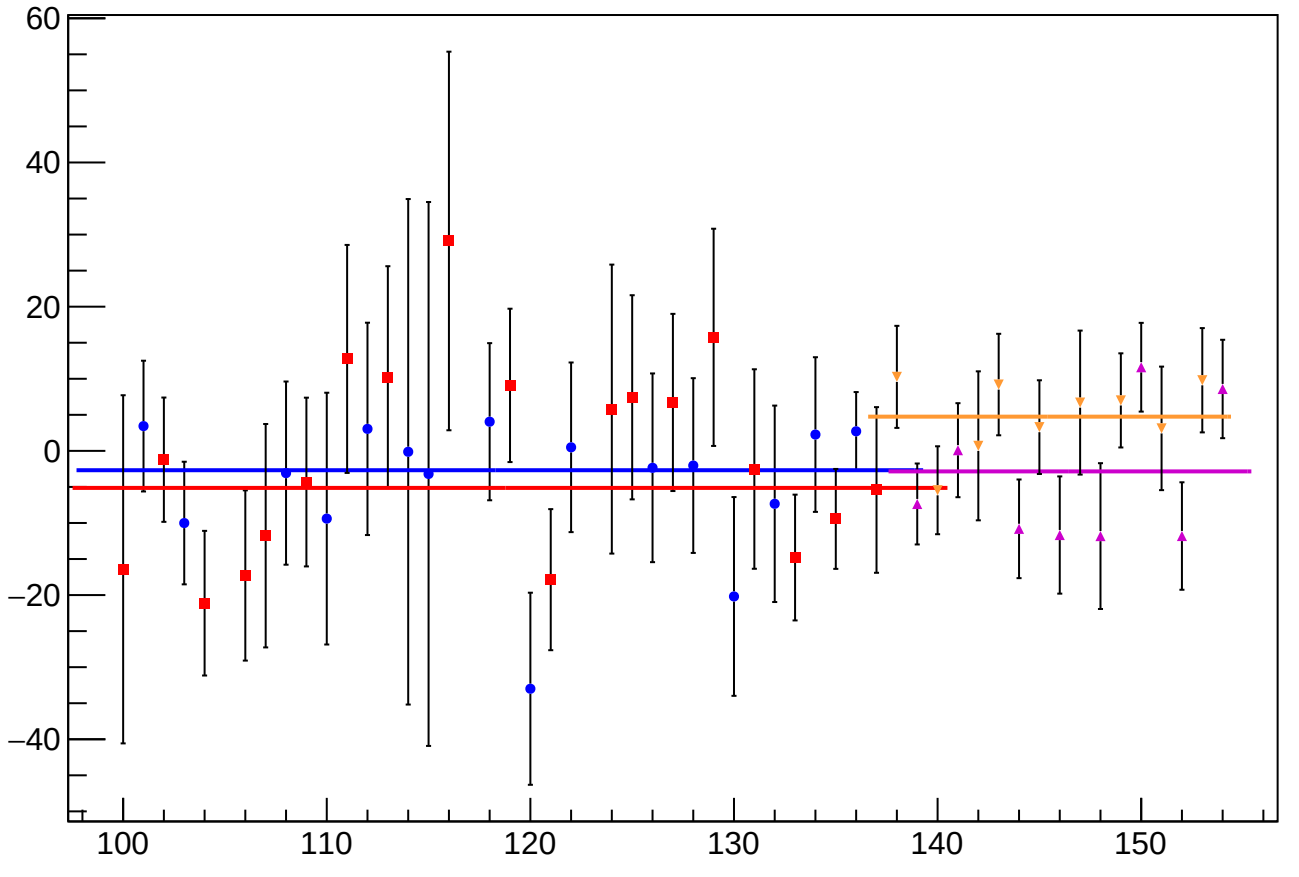
Left: 868.334+/-0.166 χ^2/NDF: 562294.5/16

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 875.886+/-0.166 χ^2/NDF:572615.5/23

Out: 866.254+/-0.162 χ^2/NDF:564417.0/27

All: 870.968+/-0.116 χ^2/NDF: 1138757.6/51



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: -2.847+/-2.444 χ^2/NDF:13.9/7

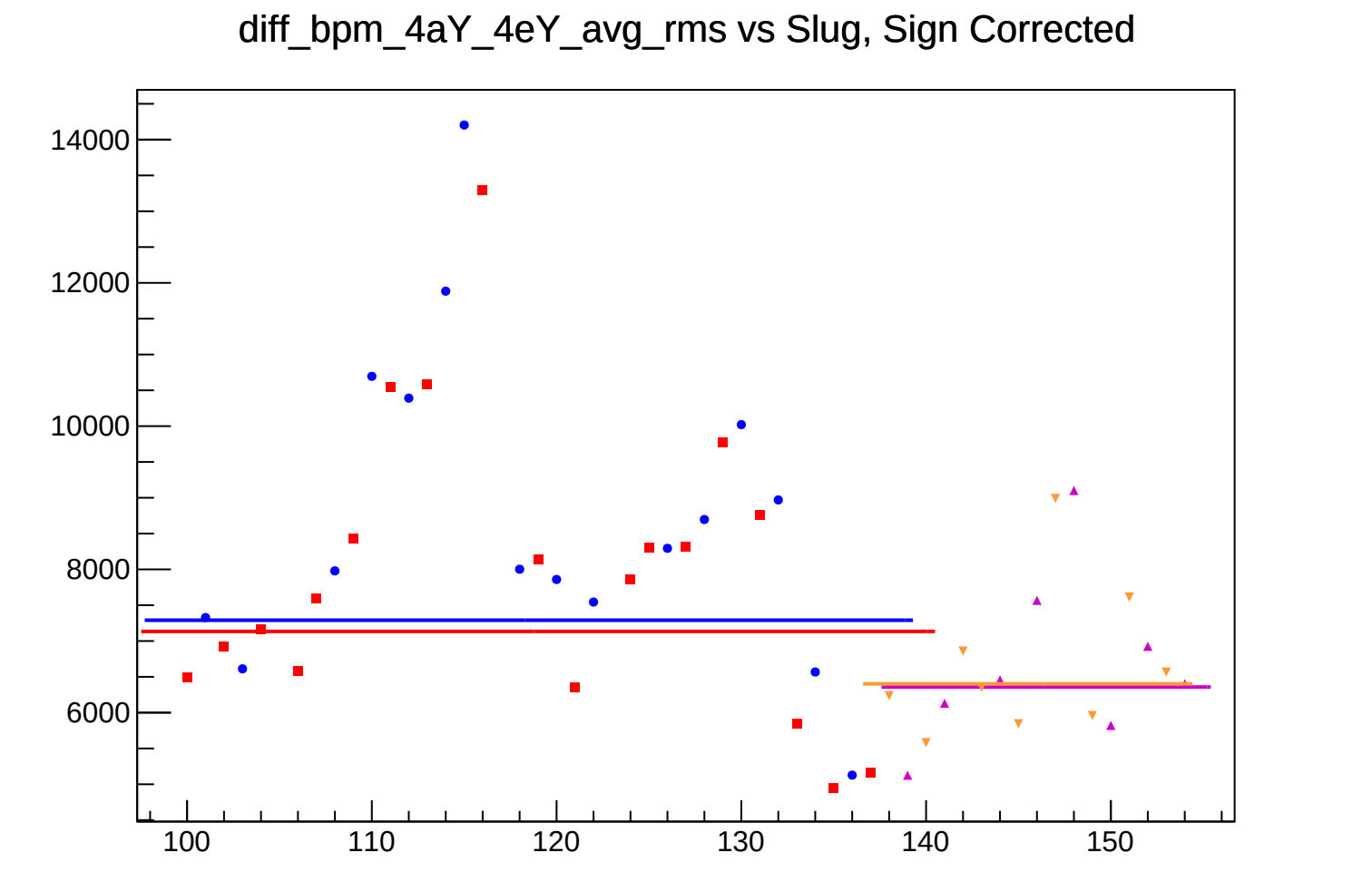
Left: 0.937+/-1.731 χ^2/NDF: 23.4/16

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.776+/-1.838 χ^2/NDF:24.0/23

Out: 0.265+/-1.813 χ^2/NDF:29.3/27

All: -1.235+/-1.291 χ^2/NDF: 54.7/51



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6402.295+/-1.734 χ^2/NDF:240642.4/8

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6357.776+/-1.728 χ^2/NDF:317533.3/7

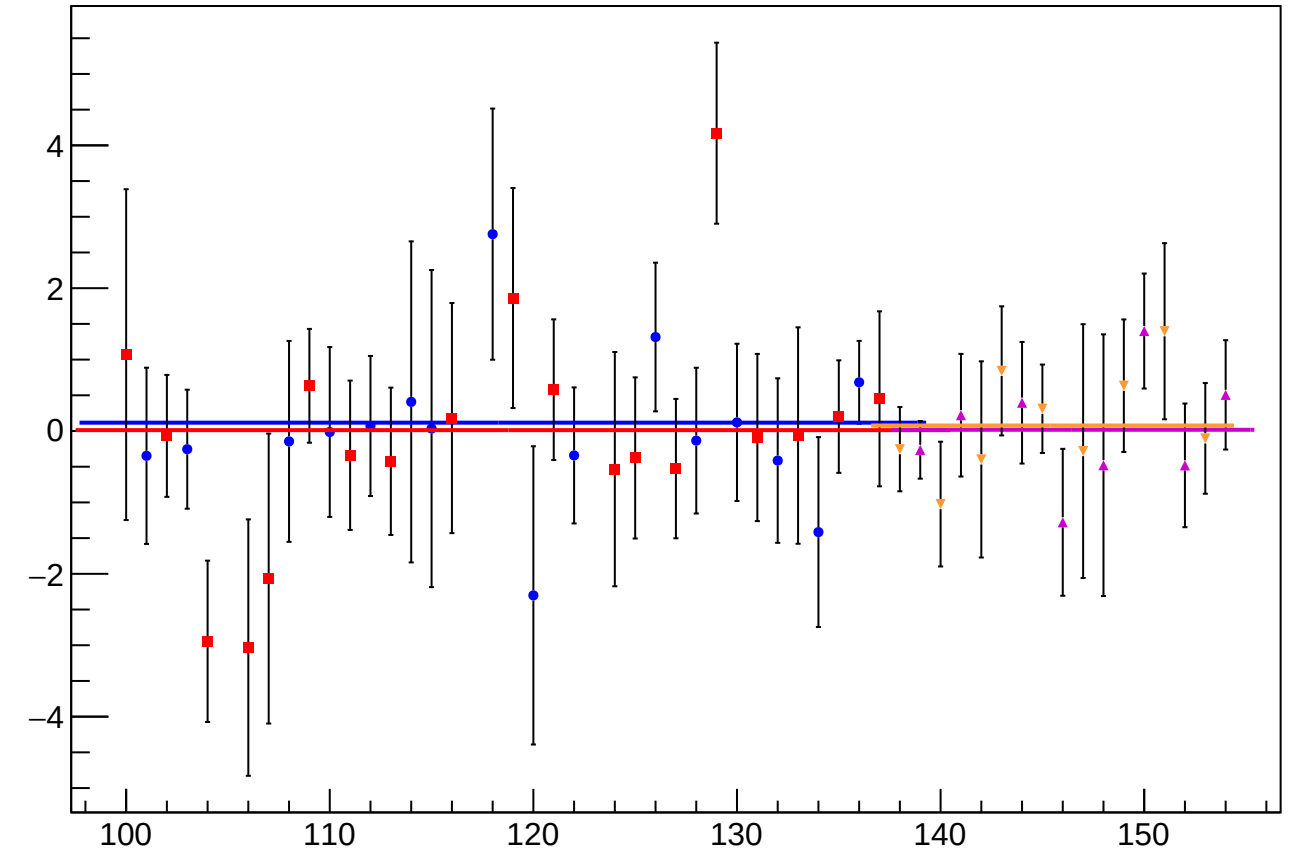
Left: 6379.962+/-1.224 χ^2/NDF: 558506.4/16

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6762.949+/-1.300 χ^2/NDF:1214547.6/23

Out: 6734.299+/-1.282 χ^2/NDF:1114278.2/27

All: 6748.427+/-0.913 χ^2/NDF: 2329072.1/51



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: 0.017+/-0.261 χ^2/NDF:6.1/7

Left: 0.045+/-0.192 χ^2/NDF: 10.6/16

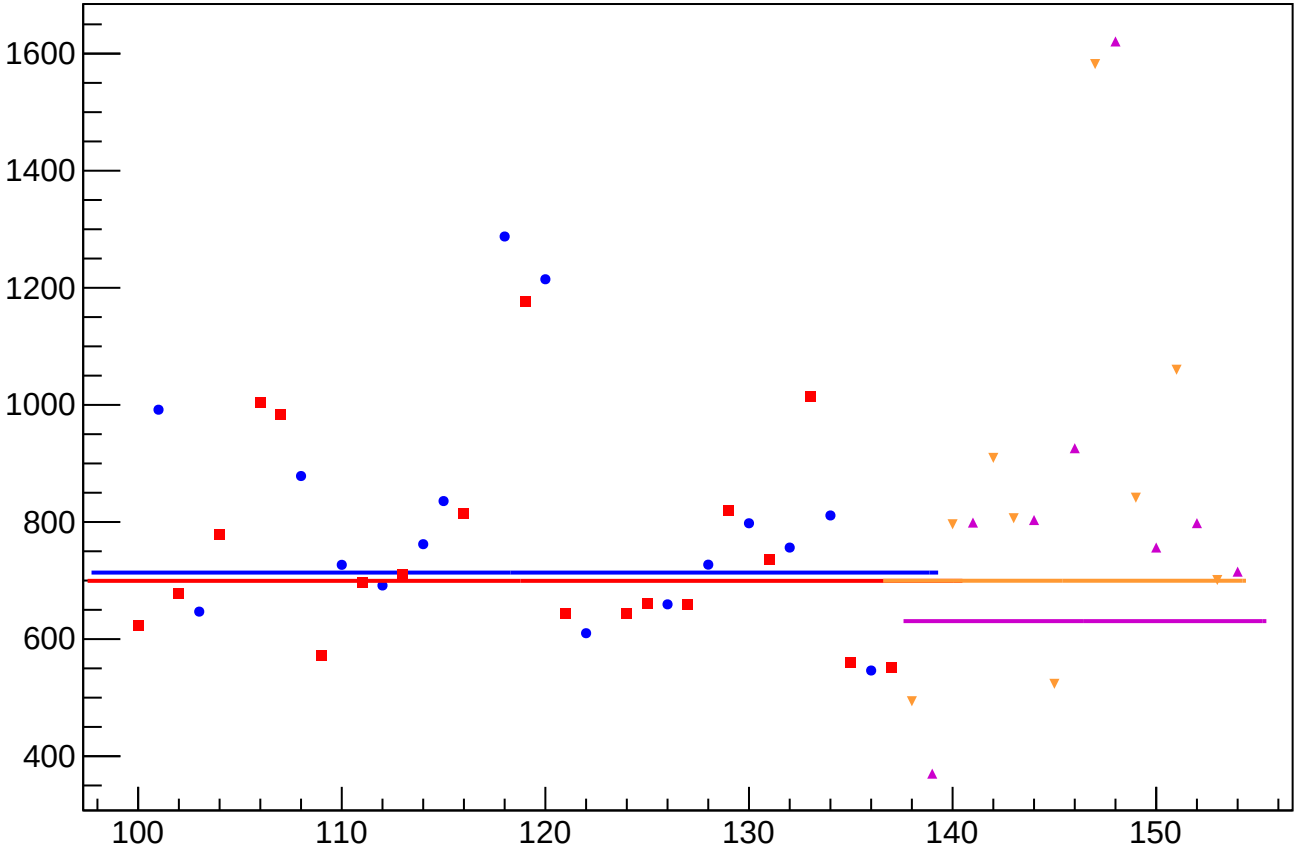
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.065+/-0.189 χ^2/NDF:14.3/23

Out: 0.042+/-0.193 χ^2/NDF:29.7/27

All: 0.054+/-0.135 χ^2/NDF: 44.0/51

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: 630.707+/-0.184 χ^2/NDF:1890156.1/7

Left: 662.186+/-0.136 χ^2/NDF: 3169086.9/16

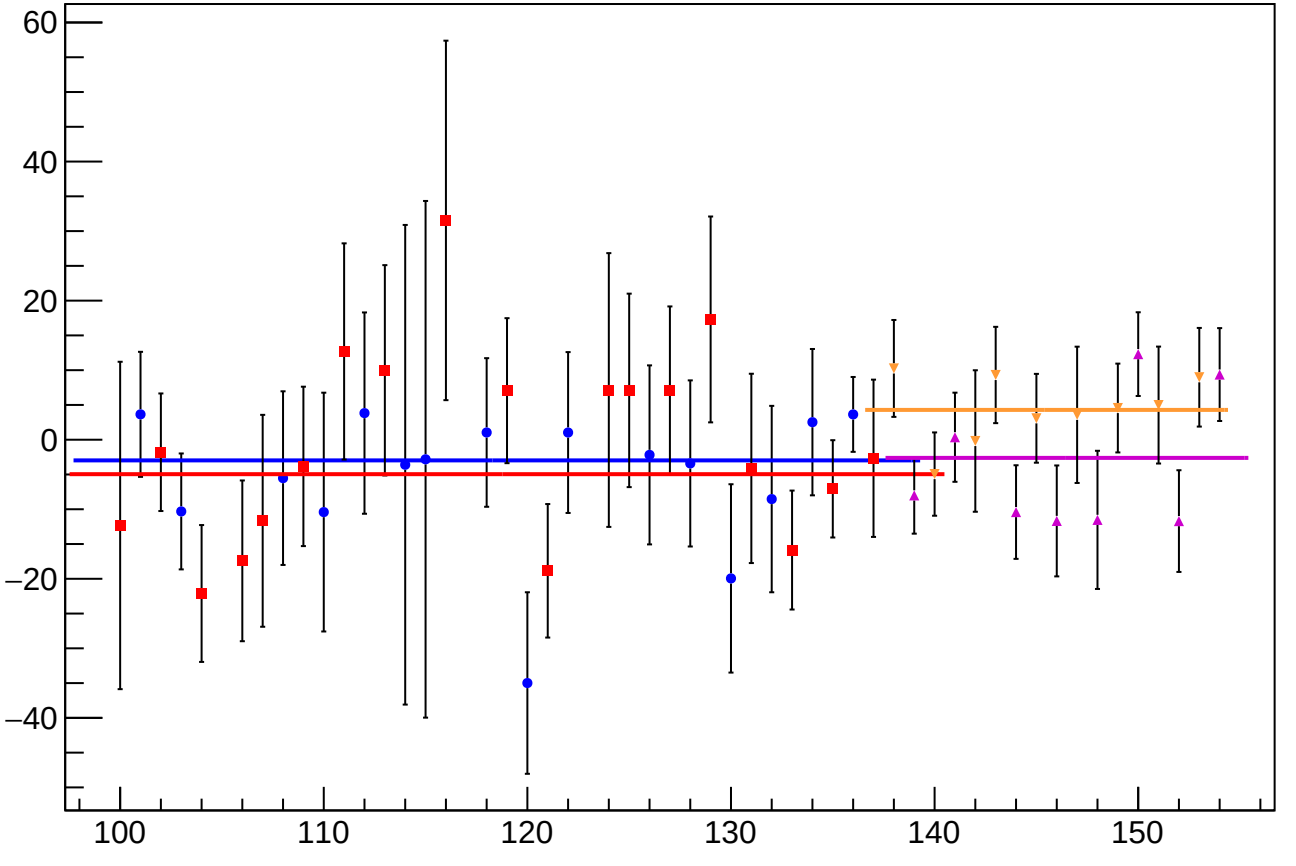
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 670.238+/-0.133 χ^2/NDF:2685893.8/23

Out: 699.588+/-0.137 χ^2/NDF:1790809.7/27

All: 684.558+/-0.095 χ^2/NDF: 4500331.5/51

diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected



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: -2.613+/-2.397 χ^2/NDF:15.5/7

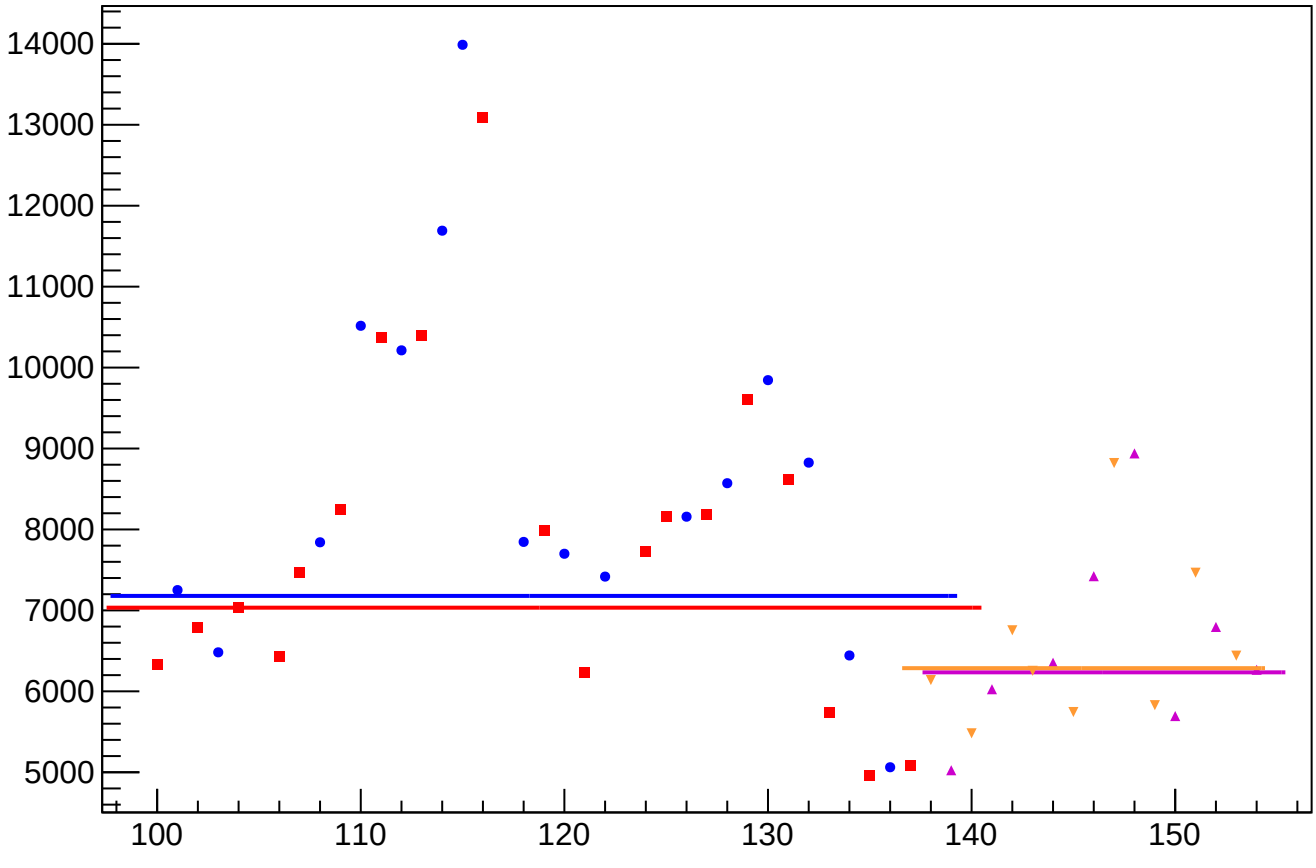
Left: 0.821+/-1.699 χ^2/NDF: 24.0/16

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.769+/-1.806 χ^2/NDF:27.1/23

Out: 0.112+/-1.783 χ^2/NDF:29.4/27

All: -1.310+/-1.269 χ^2/NDF: 57.8/51



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: 6234.623+/-1.695 χ^2/NDF:319858.5/7

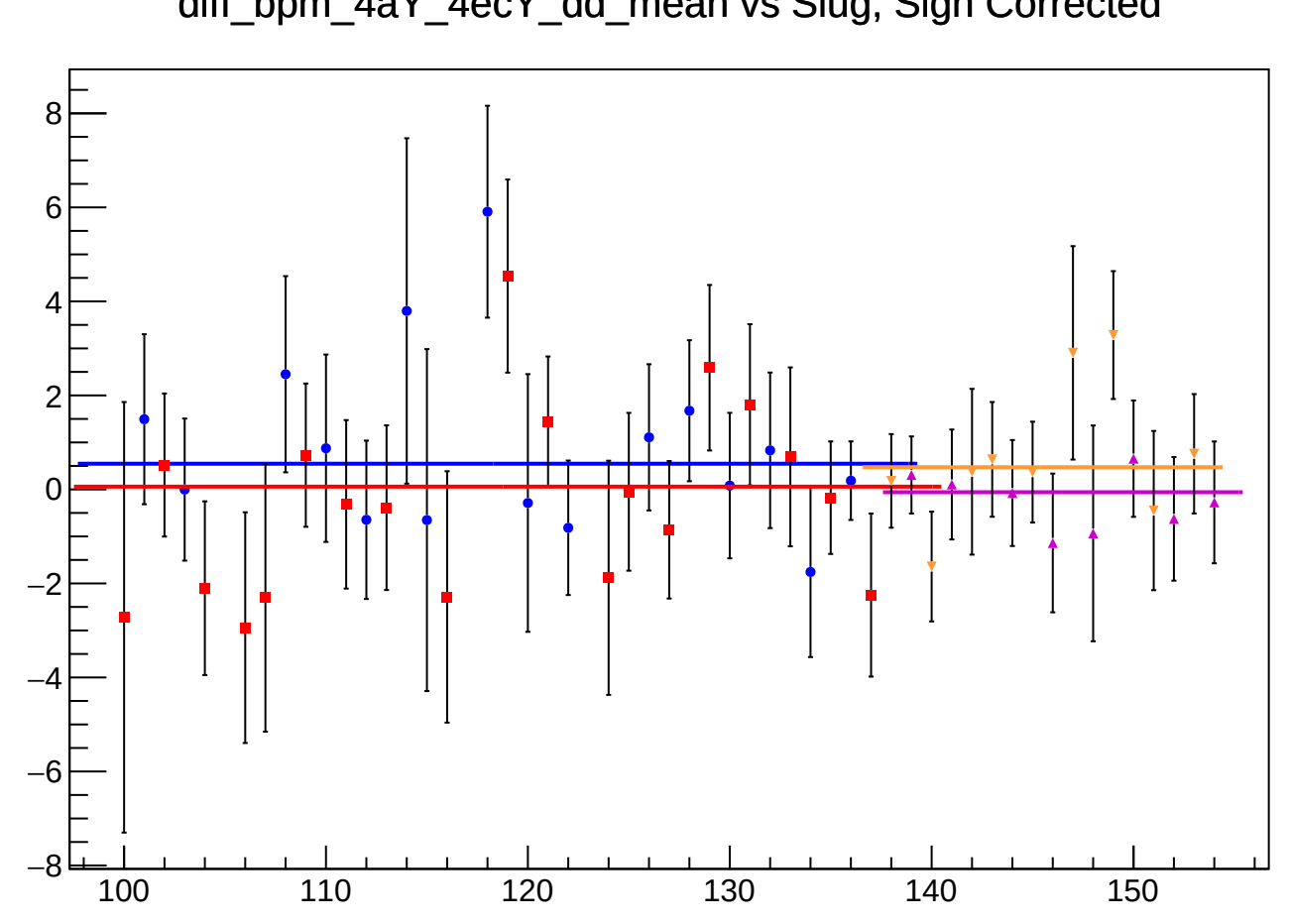
Left: 6260.307+/-1.201 χ^2/NDF: 560328.1/16

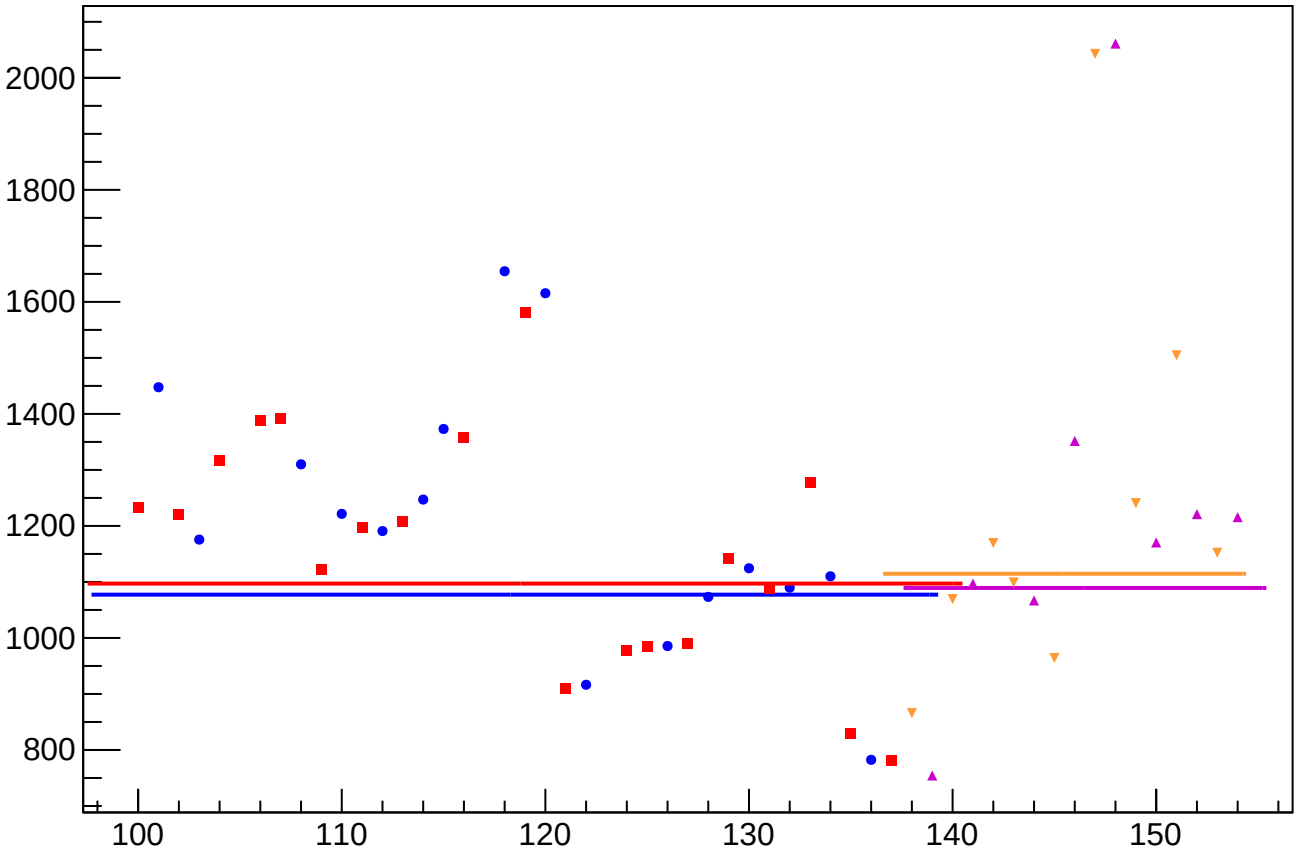
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6643.050+/-1.277 χ^2/NDF:1216005.5/23

Out: 6623.763+/-1.261 χ^2/NDF:1093402.5/27

All: 6633.284+/-0.897 χ^2/NDF: 2309523.5/51


diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: 0.547+/-0.411 χ²/NDF: 11.9/15
Left Out: 0.472+/-0.434 χ²/NDF:9.2/8
Right Out: 0.059+/-0.409 χ²/NDF: 16.9/18
Left In: -0.059+/-0.427 χ²/NDF:1.4/7
Left: 0.202+/-0.304 χ²/NDF: 11.4/16
Right: 0.302+/-0.290 χ²/NDF: 29.5/34
In: 0.256+/-0.296 χ²/NDF:14.4/23
Out: 0.253+/-0.298 χ²/NDF:26.5/27
All: 0.254+/-0.210 χ²/NDF: 40.9/51



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: 1089.280+/-0.302 χ^2/NDF:803976.0/7

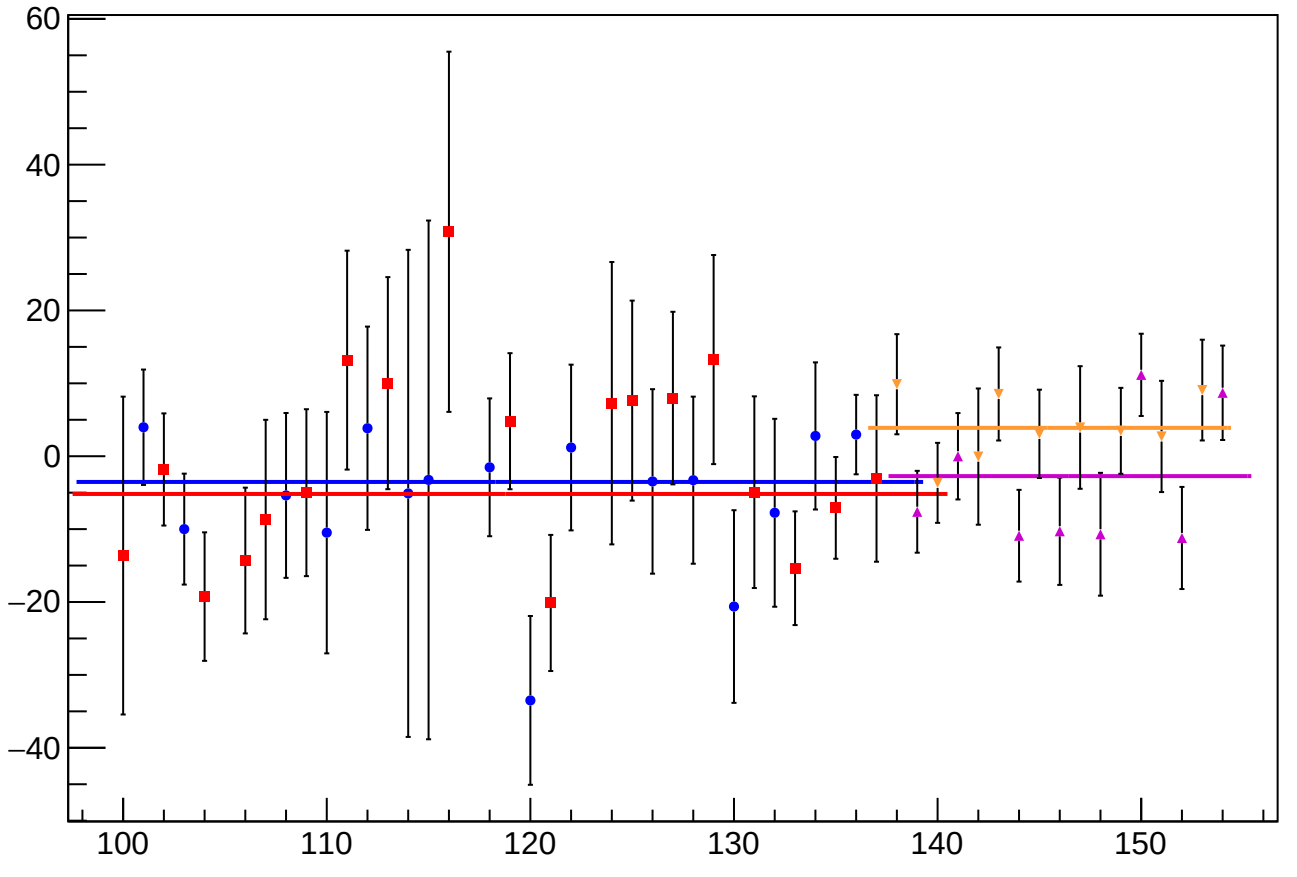
Left: 1101.742+/-0.215 χ^2/NDF: 1435935.7/16

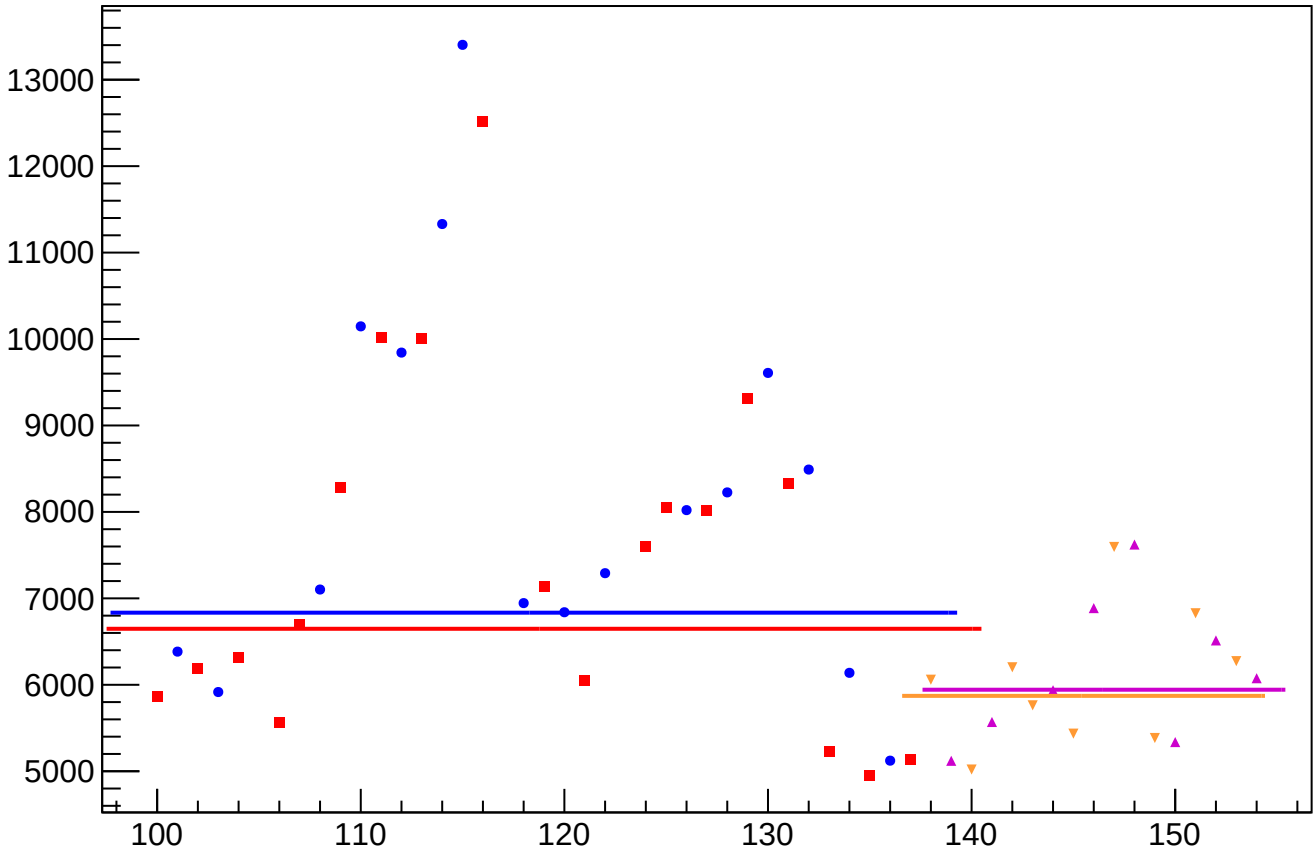
Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1083.061+/-0.209 χ^2/NDF:1451314.2/23

Out: 1105.338+/-0.210 χ^2/NDF:1114592.9/27

All: 1094.142+/-0.148 χ^2/NDF: 2571537.8/51


diff_bpm_4eY_4ecY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
Right In: -3.527+/-2.608 χ²/NDF: 12.6/15
Left Out: 3.892+/-2.244 χ²/NDF:4.0/8
Right Out: -5.176+/-2.508 χ²/NDF: 18.2/18
Left In: -2.728+/-2.272 χ²/NDF:15.3/7
Left: 0.624+/-1.597 χ²/NDF: 23.5/16
Right: -4.384+/-1.808 χ²/NDF: 31.0/34
In: -3.073+/-1.713 χ²/NDF:27.9/23
Out: -0.139+/-1.672 χ²/NDF:29.4/27
All: -1.570+/-1.197 χ²/NDF: 58.9/51



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: 5943.047+/-1.607 χ^2/NDF:200332.5/7

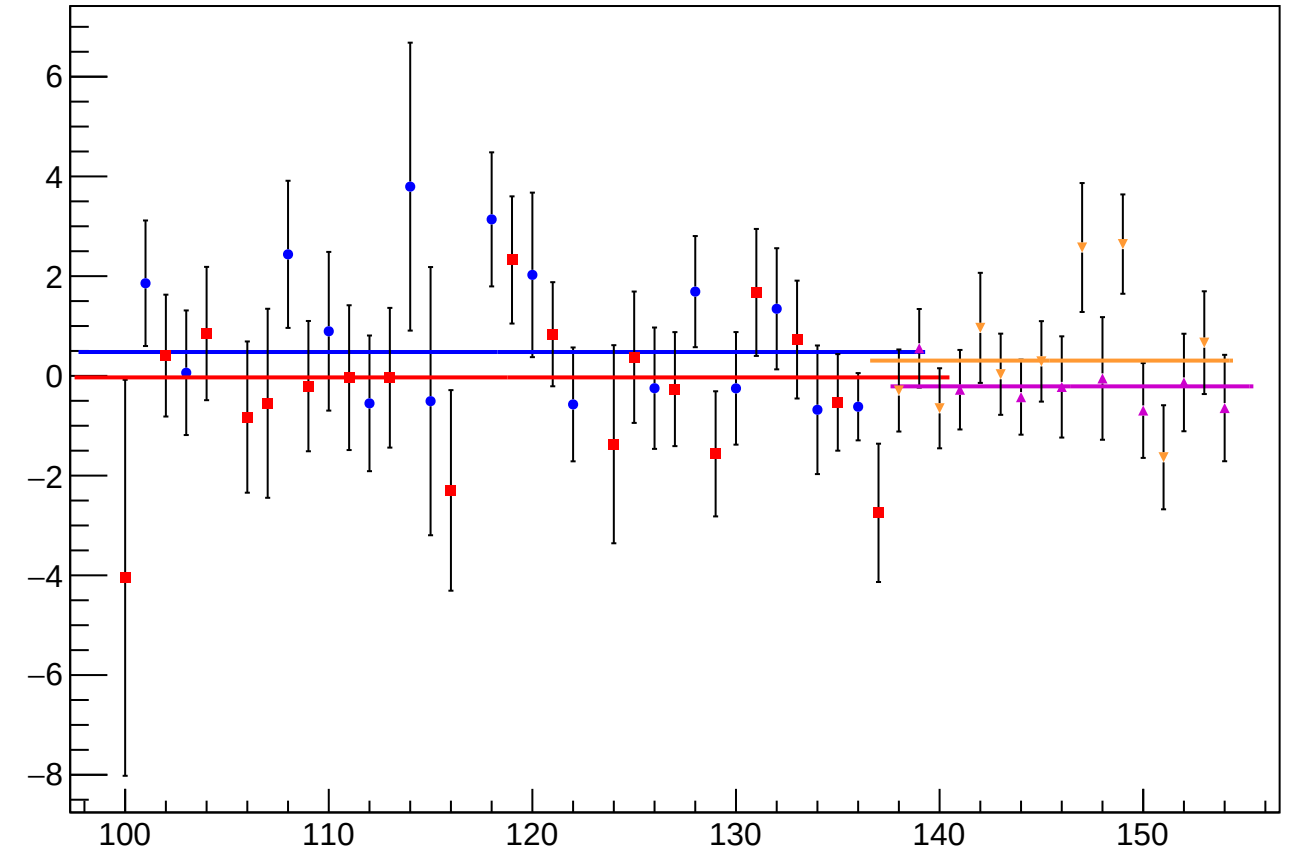
Left: 5907.070+/-1.129 χ^2/NDF: 400249.0/16

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6327.679+/-1.212 χ^2/NDF:1025828.3/23

Out: 6216.947+/-1.182 χ^2/NDF:1090388.2/27

All: 6270.964+/-0.846 χ^2/NDF: 2120495.2/51



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.307+/-0.311 χ^2/NDF:14.6/8

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.210+/-0.323 χ^2/NDF:1.5/7

Left: 0.058+/-0.224 χ^2/NDF: 17.4/16

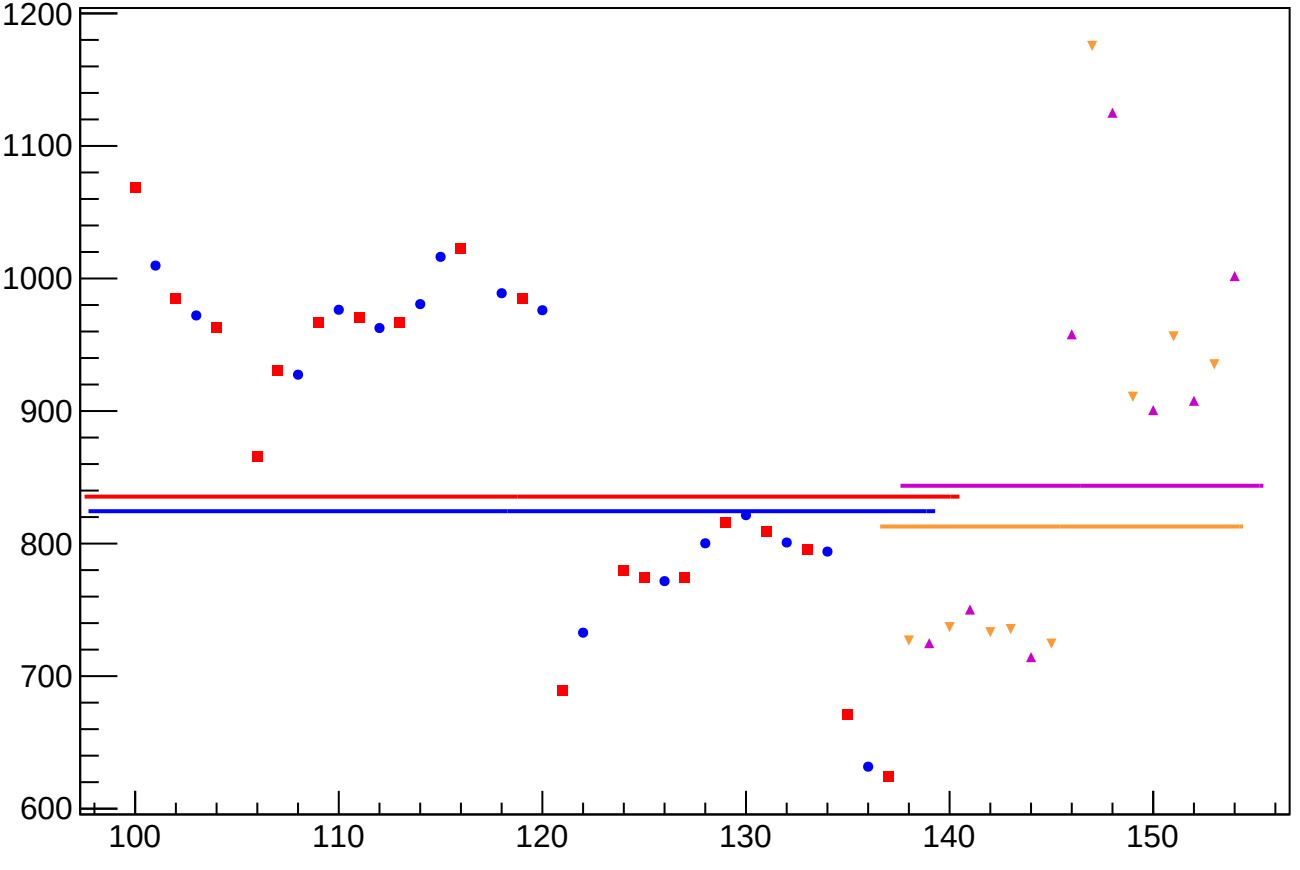
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.147+/-0.224 χ^2/NDF:20.6/23

Out: 0.137+/-0.219 χ^2/NDF:30.9/27

All: 0.142+/-0.157 χ^2/NDF: 51.4/51

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: 843.631+/-0.228 χ^2/NDF:321732.3/7

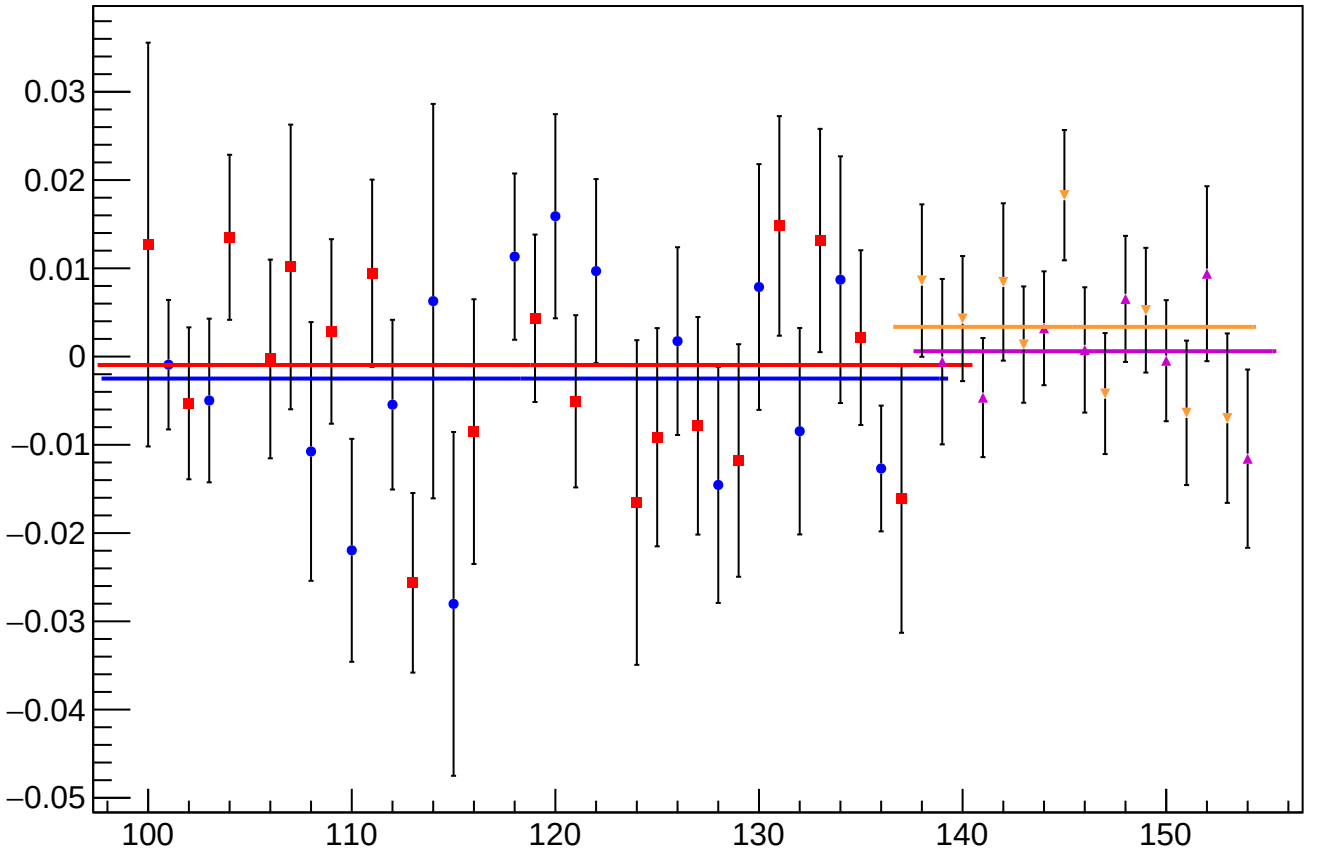
Left: 827.679+/-0.158 χ^2/NDF: 665959.5/16

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 833.674+/-0.158 χ^2/NDF:690868.6/23

Out: 824.237+/-0.155 χ^2/NDF:659408.4/27

All: 828.851+/-0.111 χ^2/NDF: 1352093.9/51



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: 0.001+/-0.003 χ^2/NDF:3.7/7

Left: 0.002+/-0.002 χ^2/NDF: 13.0/16

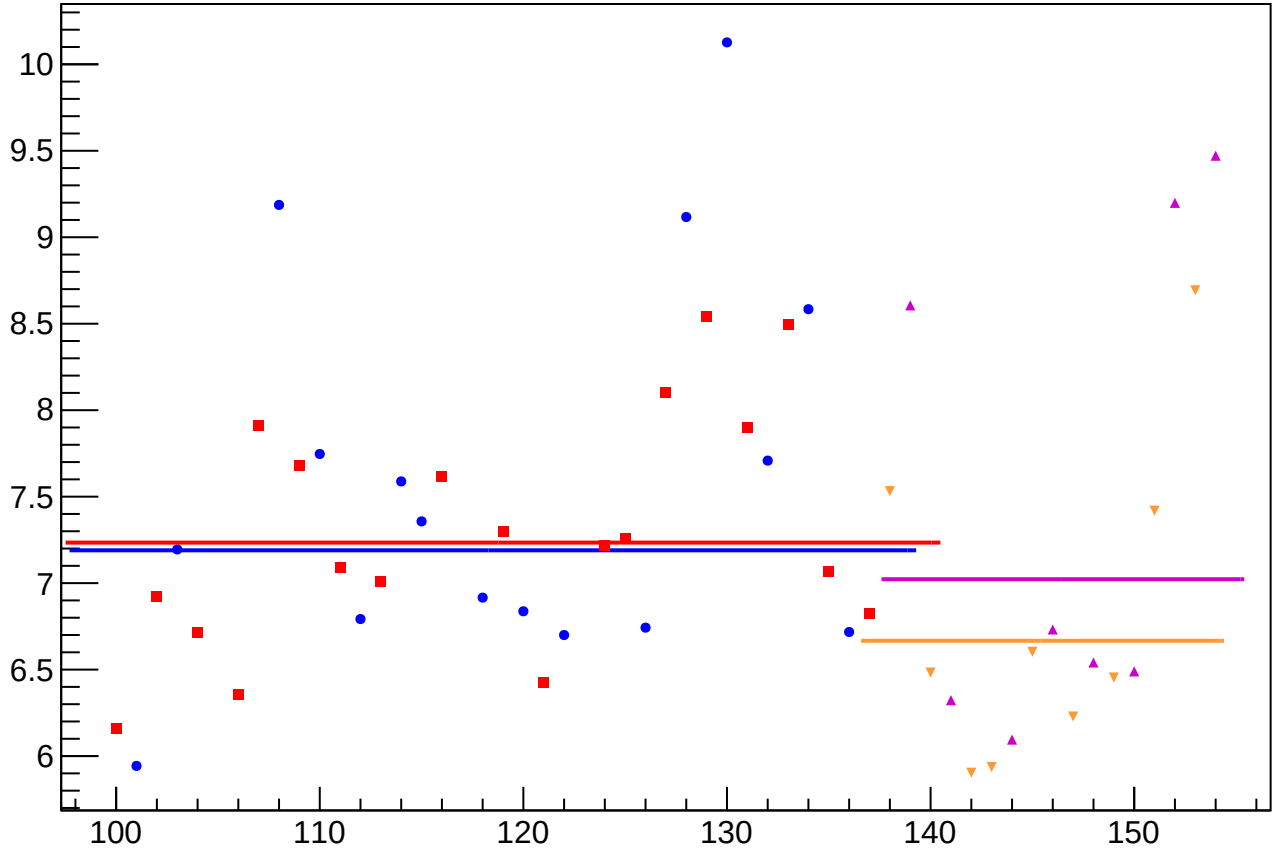
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:19.7/23

Out: 0.001+/-0.002 χ^2/NDF:27.4/27

All: 0.000+/-0.001 χ^2/NDF: 47.8/51

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: 7.023+/-0.002 χ^2/NDF:358363.2/7

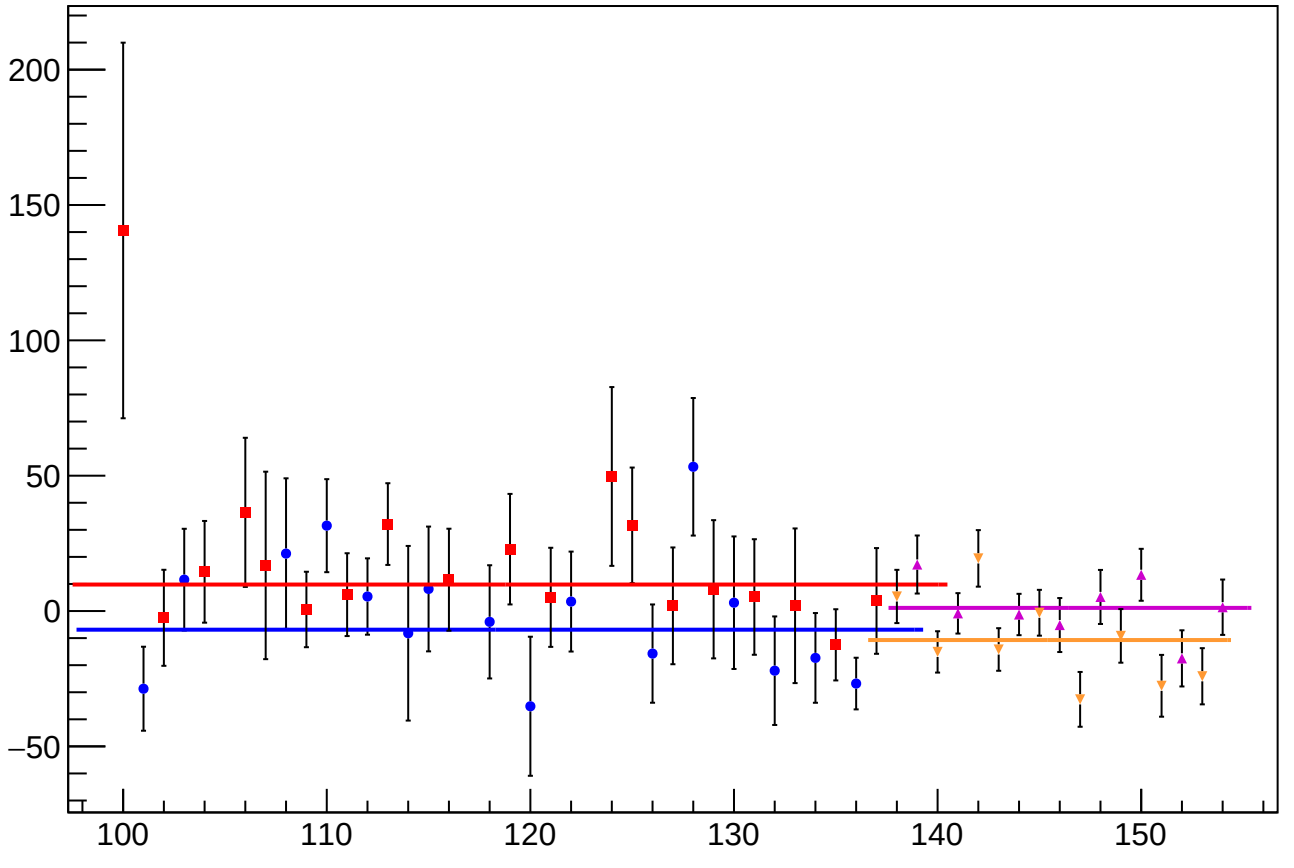
Left: 6.835+/-0.001 χ^2/NDF: 553542.3/16

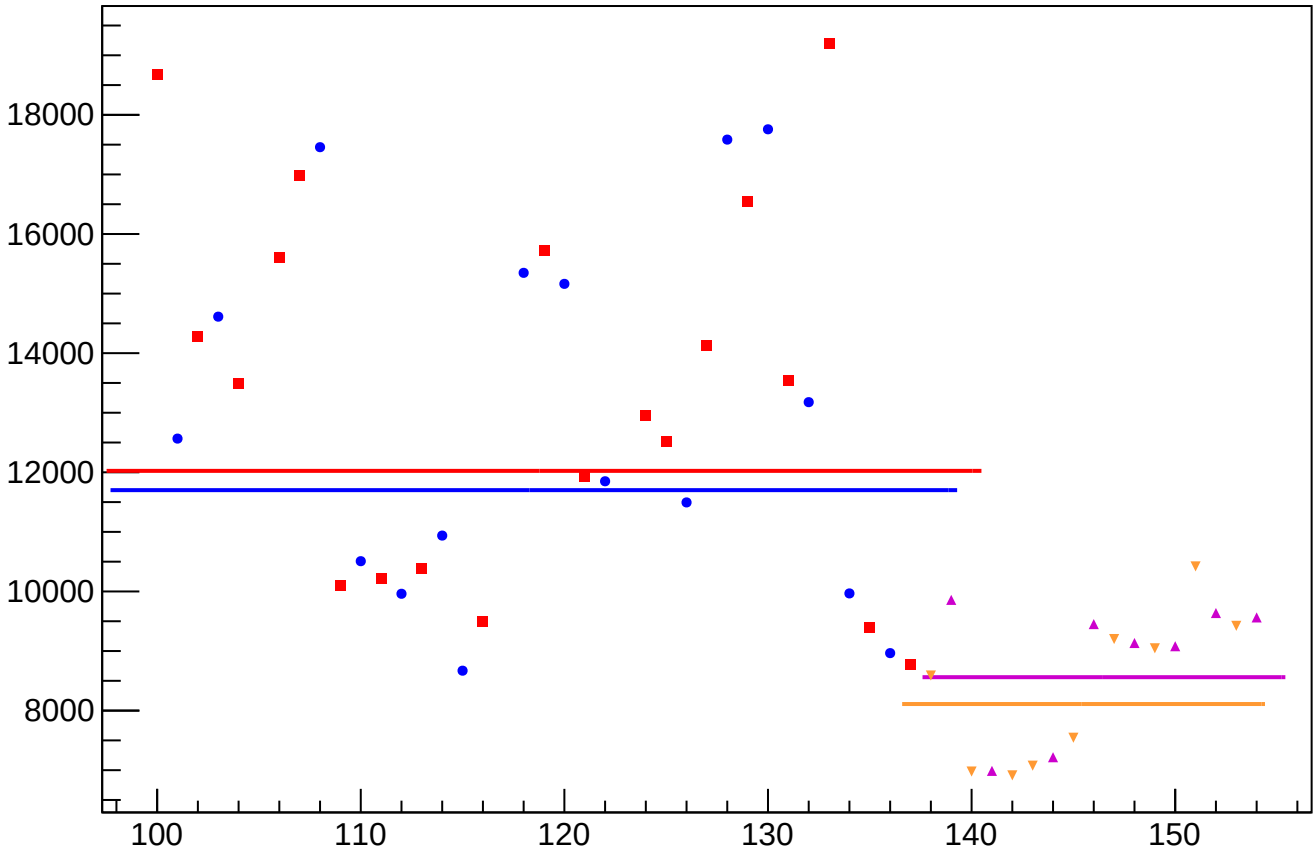
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.106+/-0.001 χ^2/NDF:639834.1/23

Out: 6.938+/-0.001 χ^2/NDF:330552.7/27

All: 7.019+/-0.001 χ^2/NDF: 978371.8/51


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -10.715+/-3.106 χ²/NDF:21.5/8
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 1.163+/-3.268 χ²/NDF:7.8/7
Left: -5.079+/-2.251 χ²/NDF: 36.3/16
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: -1.628+/-2.642 χ²/NDF:33.0/23
Out: -4.134+/-2.559 χ²/NDF:49.5/27
All: -2.921+/-1.838 χ²/NDF: 82.9/51



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: 8561.058+/-2.311 χ^2/NDF:249288.9/7

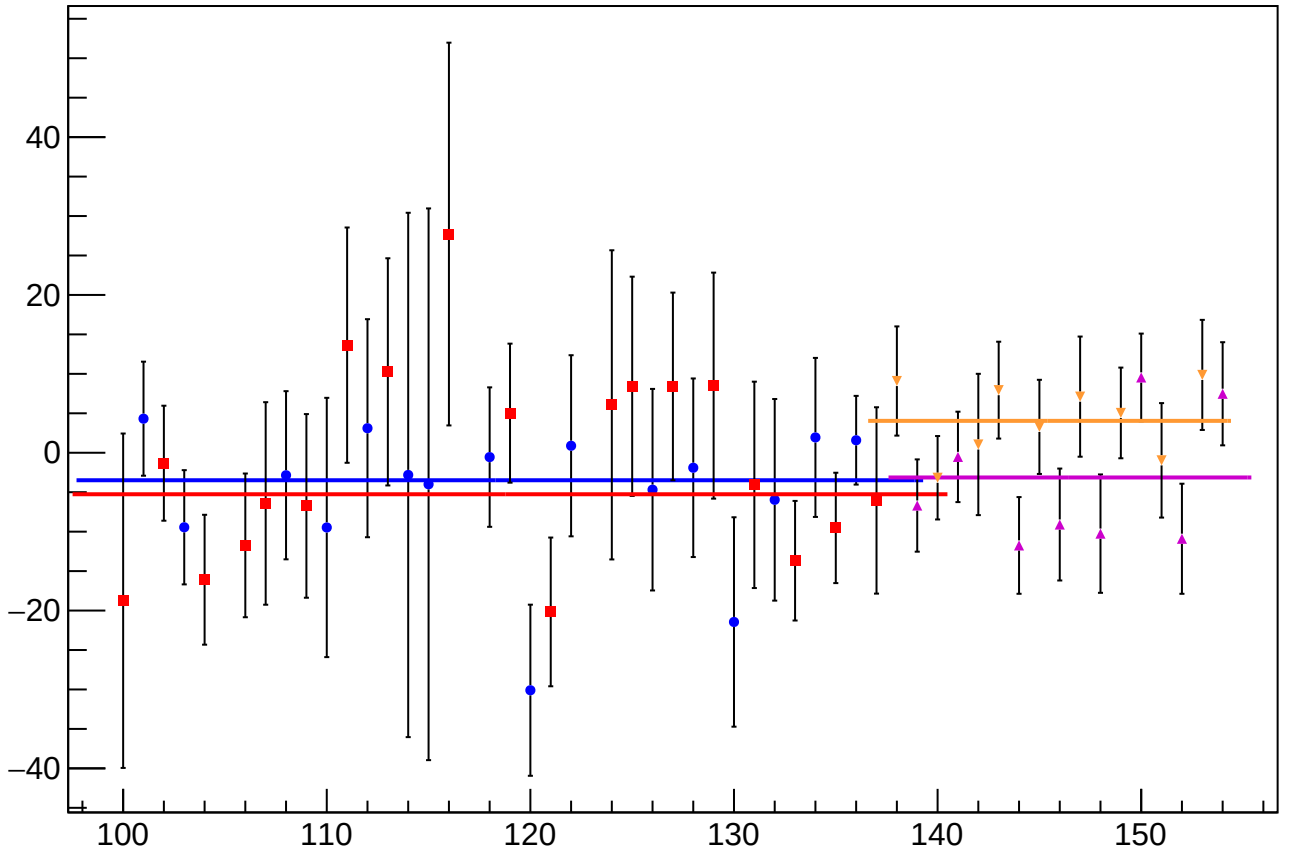
Left: 8324.271+/-1.592 χ^2/NDF: 542795.3/16

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9648.931+/-1.868 χ^2/NDF:1628972.1/23

Out: 9366.562+/-1.810 χ^2/NDF:1977762.8/27

All: 9503.248+/-1.300 χ^2/NDF: 3618521.1/51



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.042+/-2.178 χ^2/NDF:4.3/8

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -3.133+/-2.234 χ^2/NDF:13.2/7

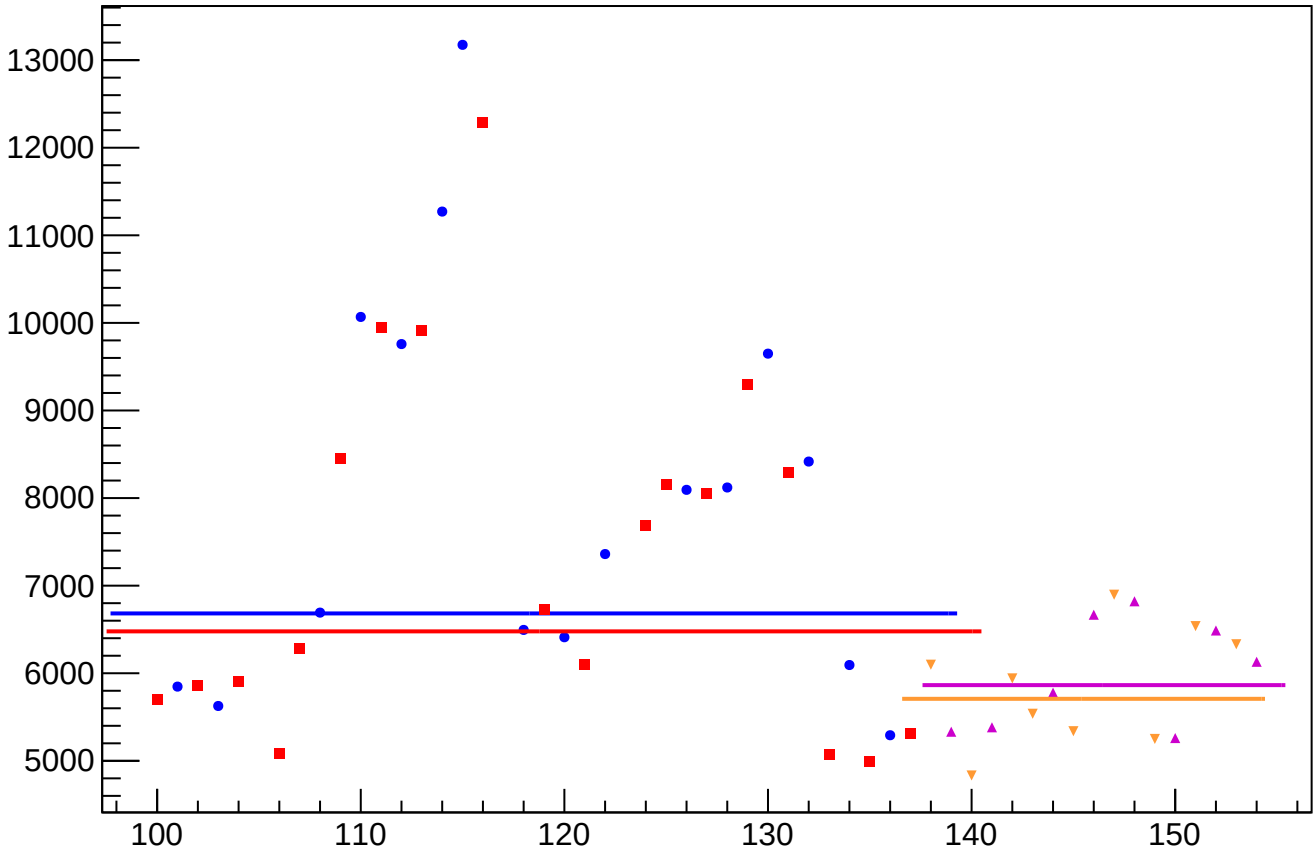
Left: 0.546+/-1.560 χ^2/NDF: 22.8/16

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -3.286+/-1.680 χ^2/NDF:24.7/23

Out: -0.070+/-1.627 χ^2/NDF:29.0/27

All: -1.626+/-1.169 χ^2/NDF: 55.6/51



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: 5864.475+/-1.580 χ^2/NDF:132237.1/7

Left: 5784.274+/-1.103 χ^2/NDF: 312560.7/16

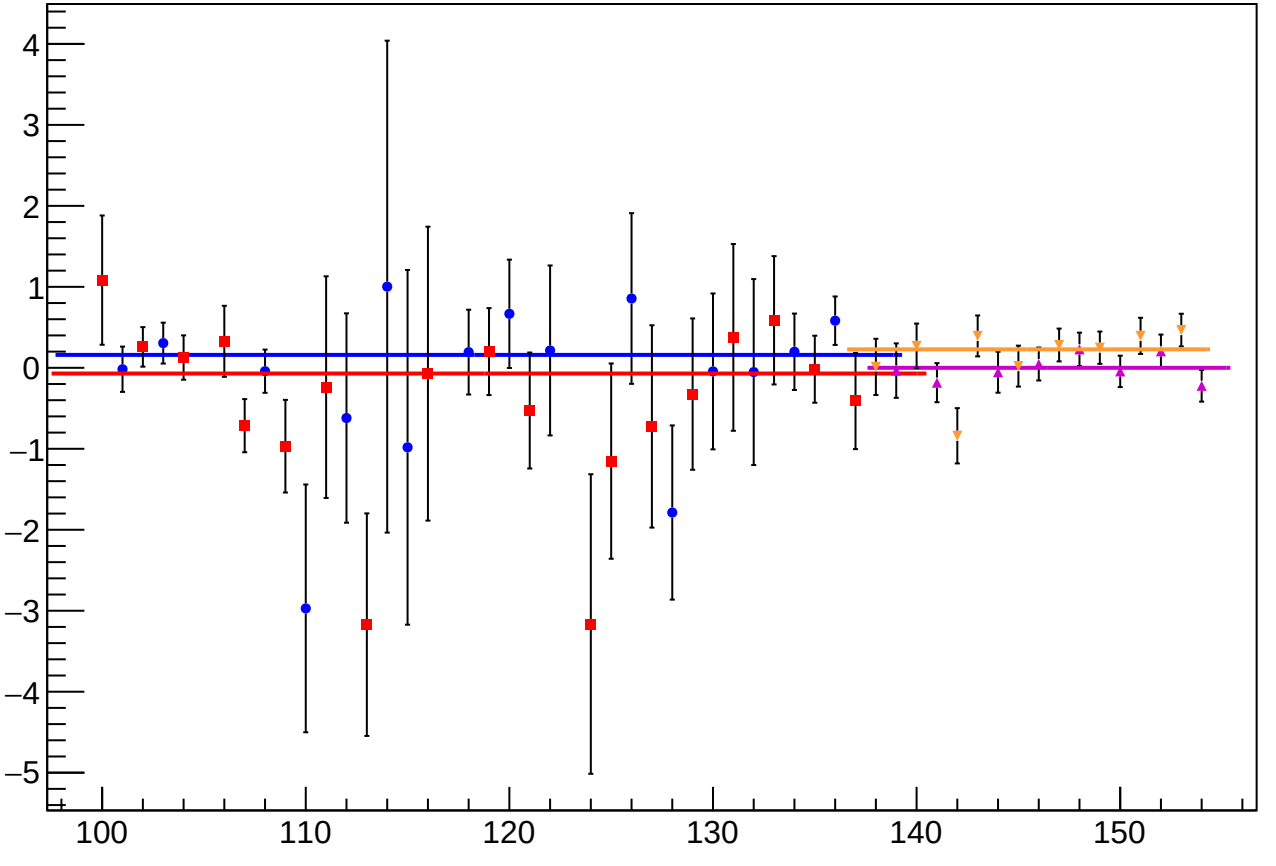
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6220.037+/-1.188 χ^2/NDF:941020.1/23

Out: 6048.532+/-1.150 χ^2/NDF:1125078.6/27

All: 6131.493+/-0.826 χ^2/NDF: 2076853.8/51

diff_targ_thetaX_mean vs Slug, Sign Corrected



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: -0.000+/-0.078 χ^2/NDF:4.2/7

Left: 0.110+/-0.056 χ^2/NDF: 21.7/16

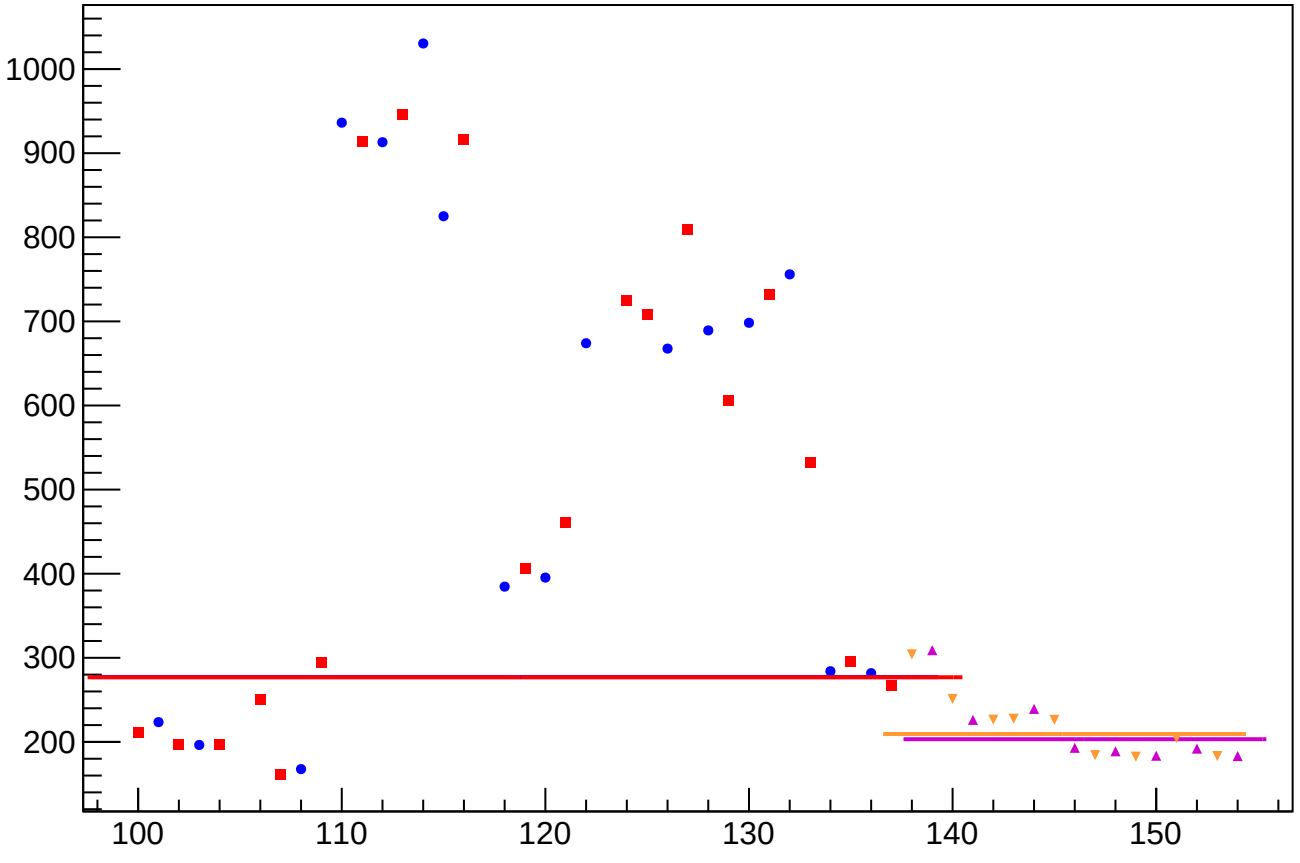
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.047+/-0.065 χ^2/NDF:18.1/23

Out: 0.136+/-0.067 χ^2/NDF:40.1/27

All: 0.090+/-0.047 χ^2/NDF: 59.0/51

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: 203.226+/-0.055 χ^2/NDF:319024.1/7

Left: 206.206+/-0.039 χ^2/NDF: 645810.3/16

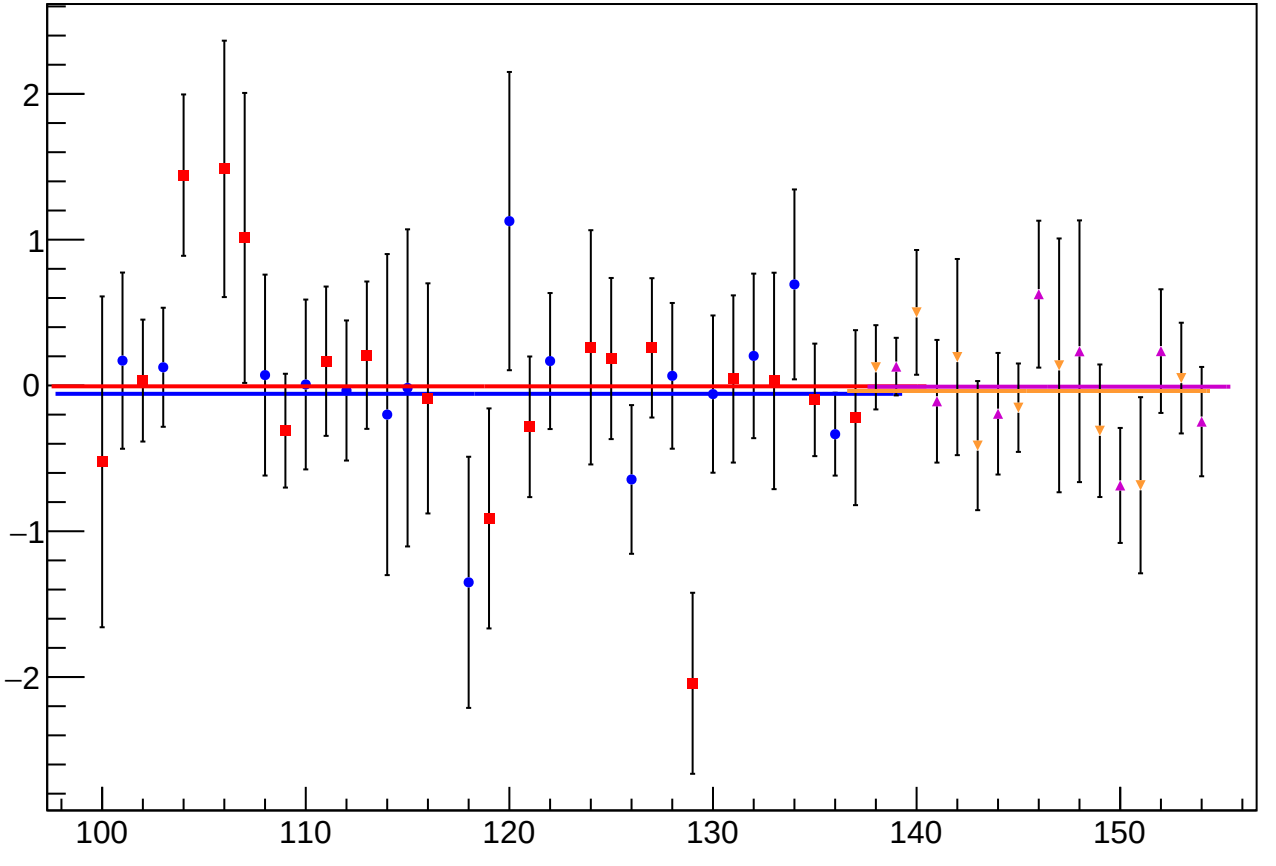
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 225.139+/-0.046 χ^2/NDF:4304971.0/23

Out: 230.285+/-0.047 χ^2/NDF:4331154.9/27

All: 227.655+/-0.033 χ^2/NDF: 8642223.6/51

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: -0.038+/-0.139 χ^2/NDF:4.5/8

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.008+/-0.128 χ^2/NDF:6.1/7

Left: -0.022+/-0.094 χ^2/NDF: 10.6/16

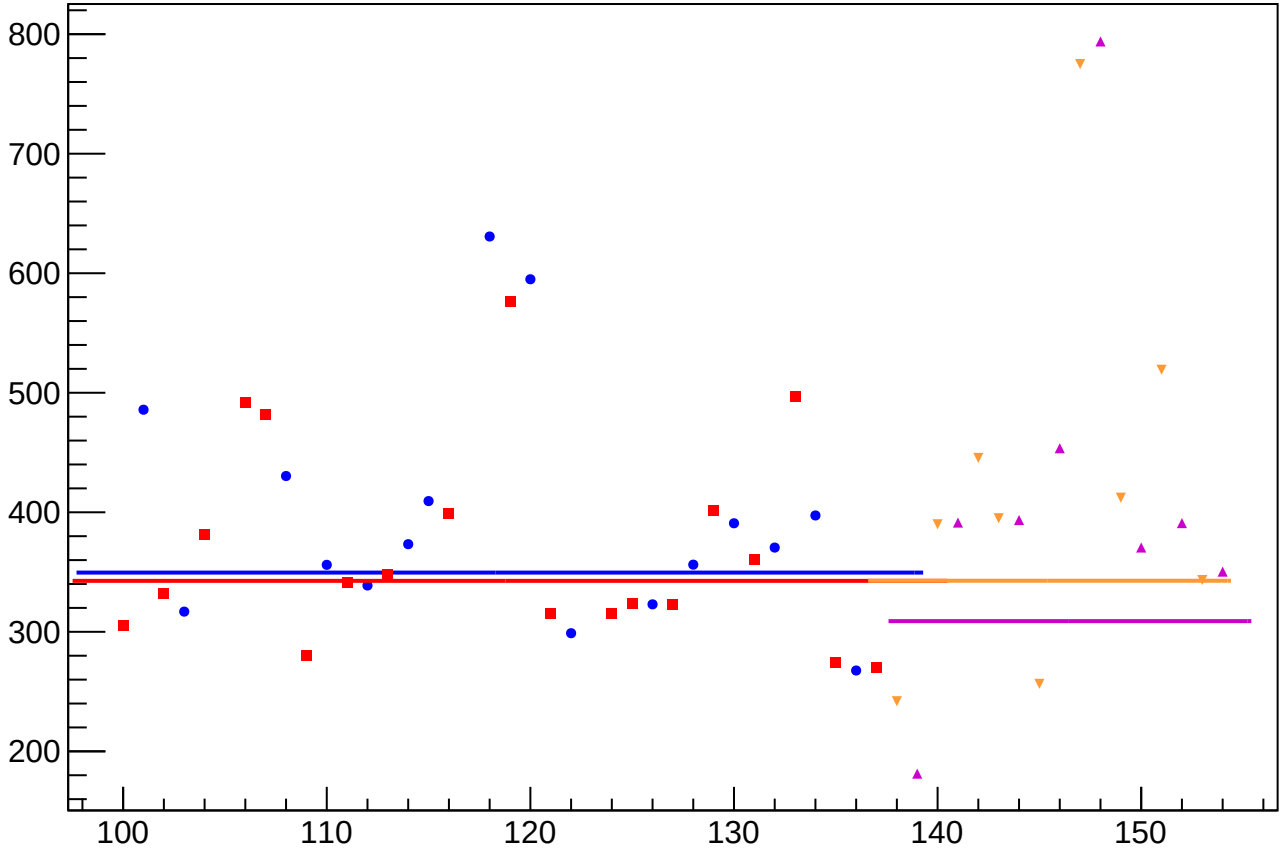
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.032+/-0.092 χ^2/NDF:14.3/23

Out: -0.021+/-0.095 χ^2/NDF:29.7/27

All: -0.026+/-0.066 χ^2/NDF: 44.0/51

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: 308.943+/-0.090 χ^2/NDF:1890156.1/7

Left: 324.362+/-0.067 χ^2/NDF: 3169086.9/16

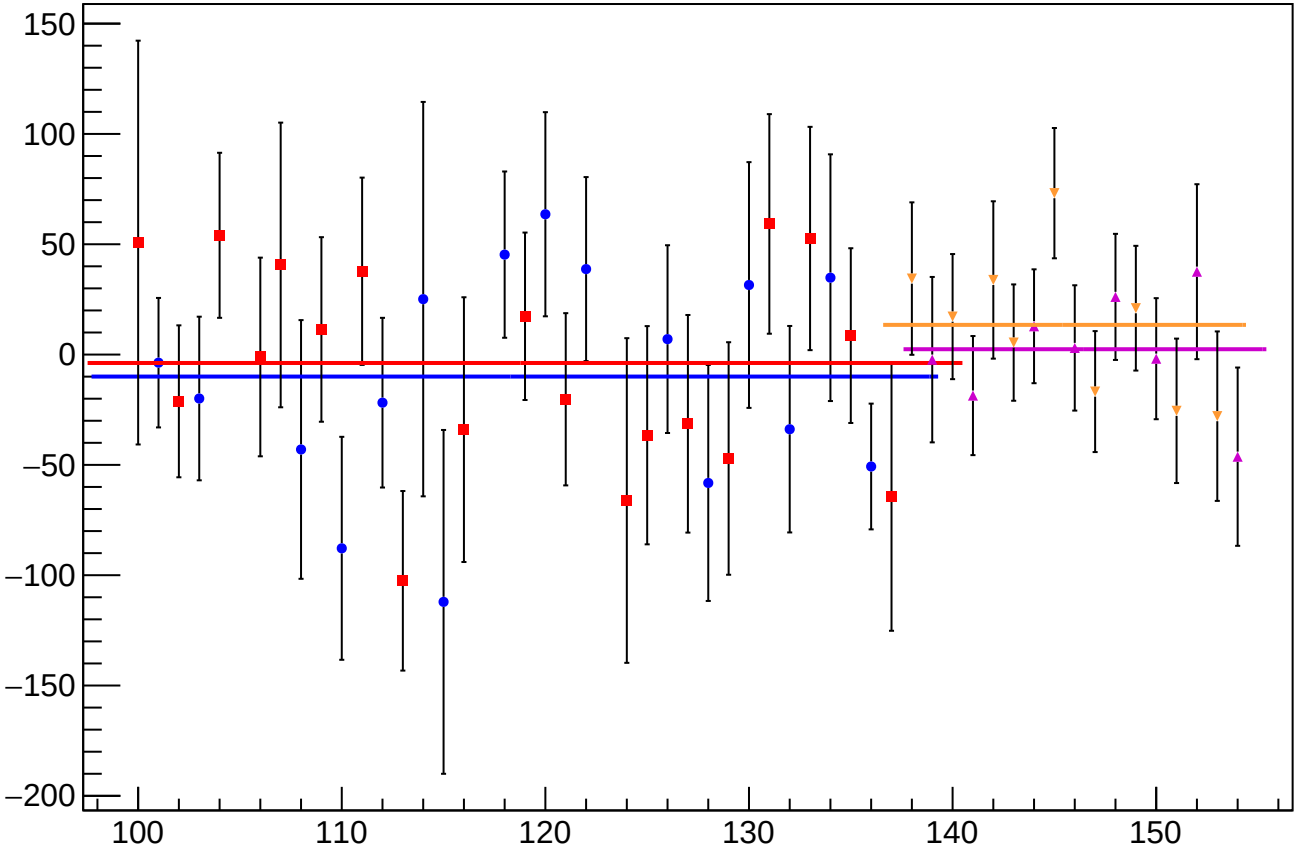
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 328.307+/-0.065 χ^2/NDF:2685893.8/23

Out: 342.683+/-0.067 χ^2/NDF:1790809.7/27

All: 335.321+/-0.047 χ^2/NDF: 4500331.5/51

diff_bpmE_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: 2.422+/-10.766 χ^2/NDF:3.7/7

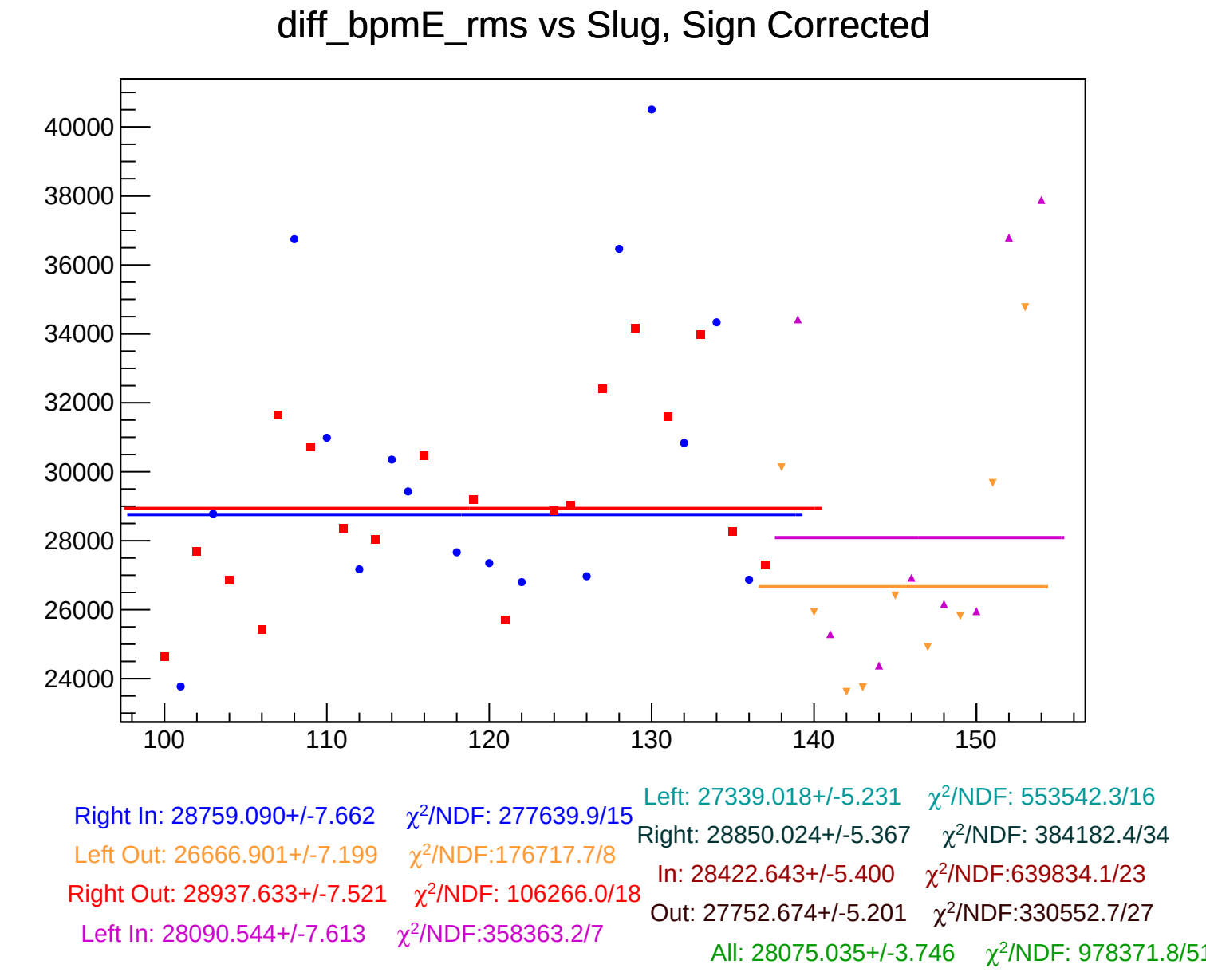
Left: 8.248+/-7.397 χ^2/NDF: 13.0/16

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

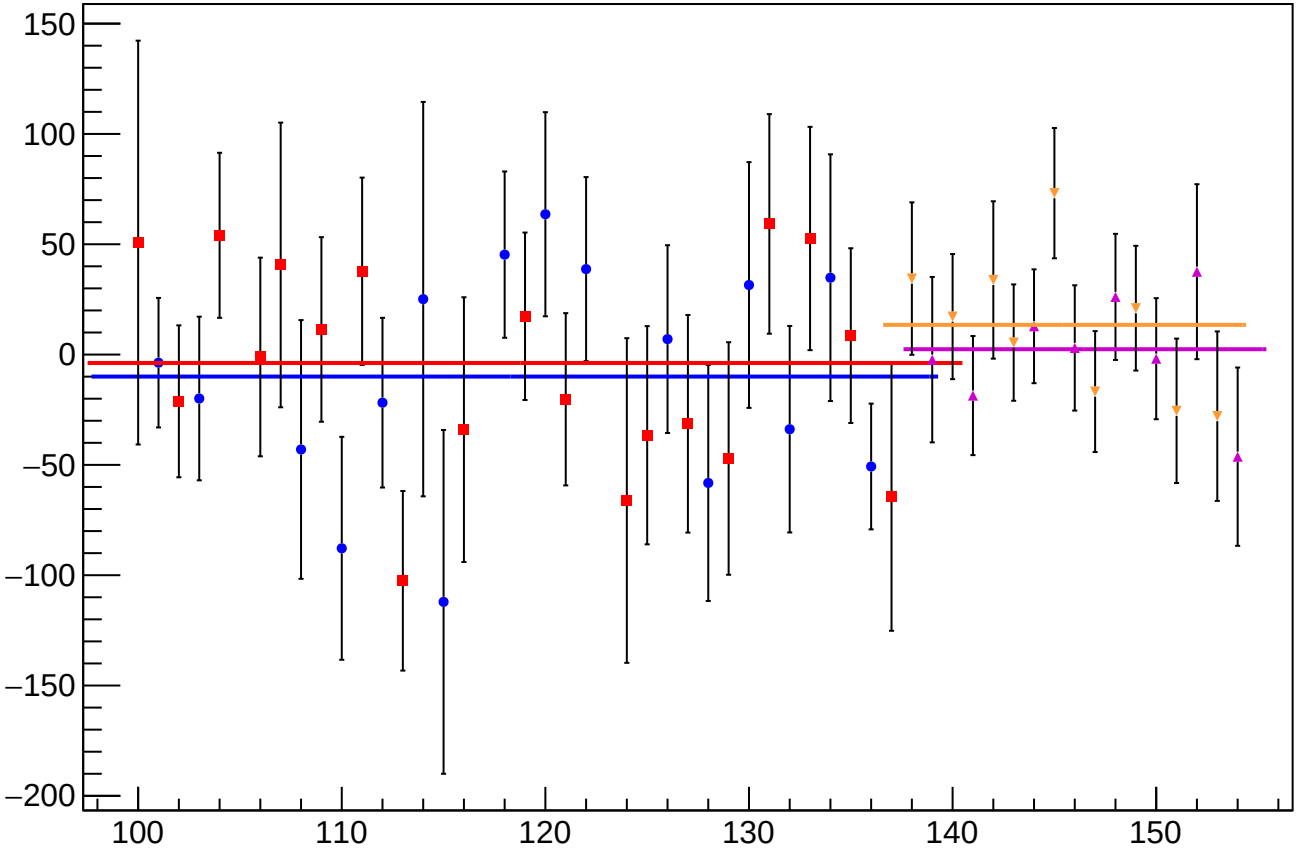
In: -3.733+/-7.637 χ^2/NDF:19.7/23

Out: 5.199+/-7.355 χ^2/NDF:27.4/27

All: 0.901+/-5.298 χ^2/NDF: 47.8/51


diff_bpmE_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: 28090.544+/-7.613 χ²/NDF:358363.2/7
Left: 27339.018+/-5.231 χ²/NDF: 553542.3/16
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28422.643+/-5.400 χ²/NDF:639834.1/23
Out: 27752.674+/-5.201 χ²/NDF:330552.7/27
All: 28075.035+/-3.746 χ²/NDF: 978371.8/51

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: 2.422+/-10.766 χ^2/NDF:3.7/7

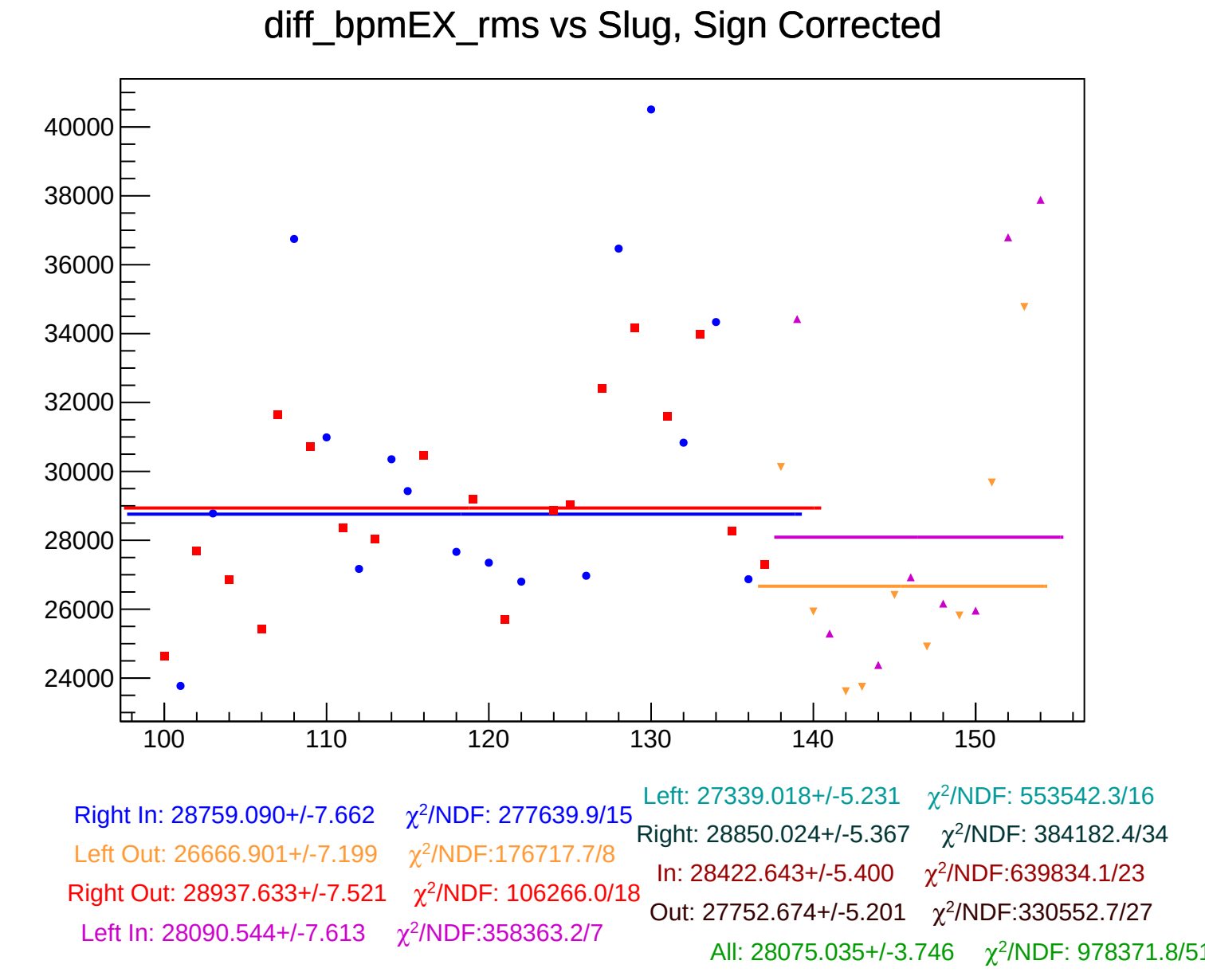
Left: 8.248+/-7.397 χ^2/NDF: 13.0/16

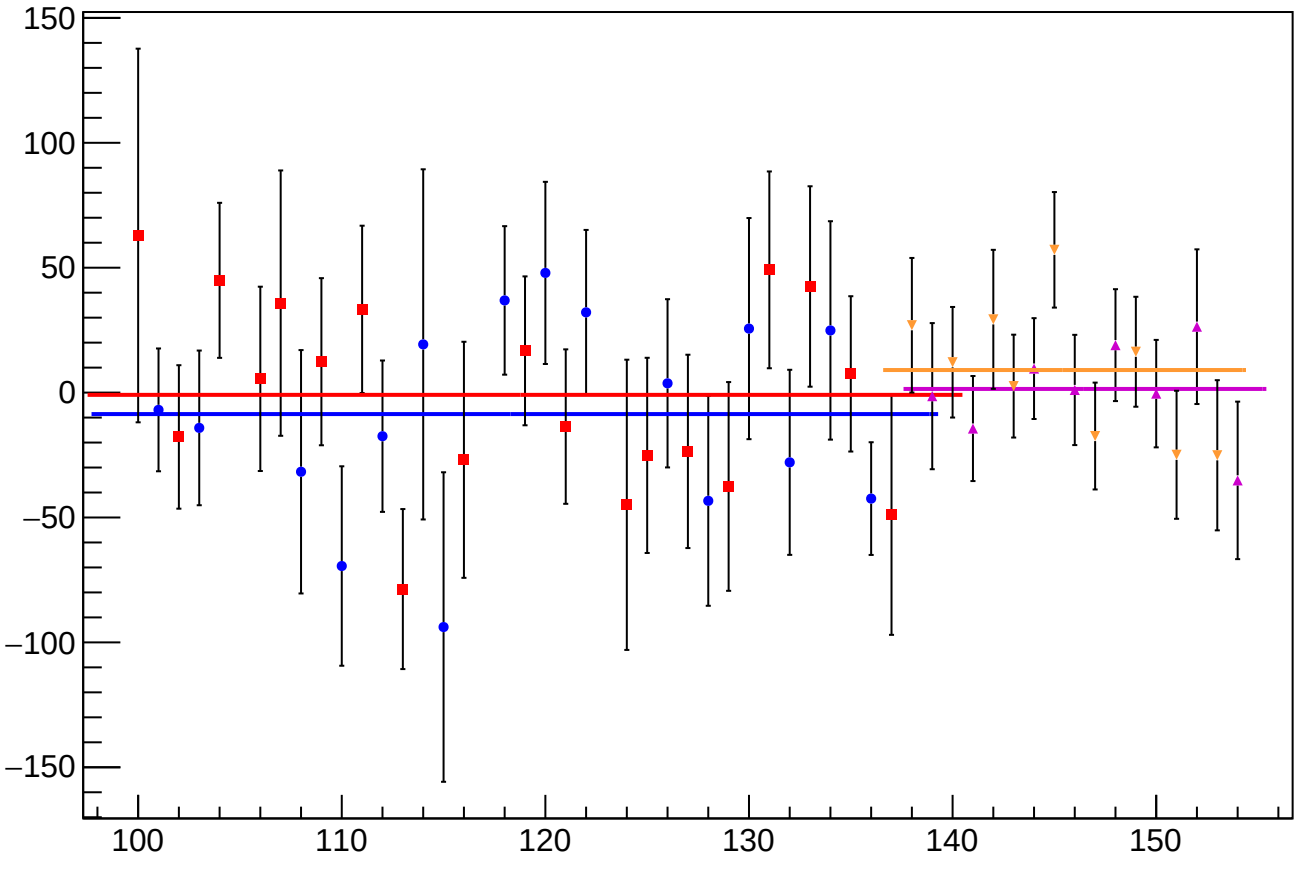
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.733+/-7.637 χ^2/NDF:19.7/23

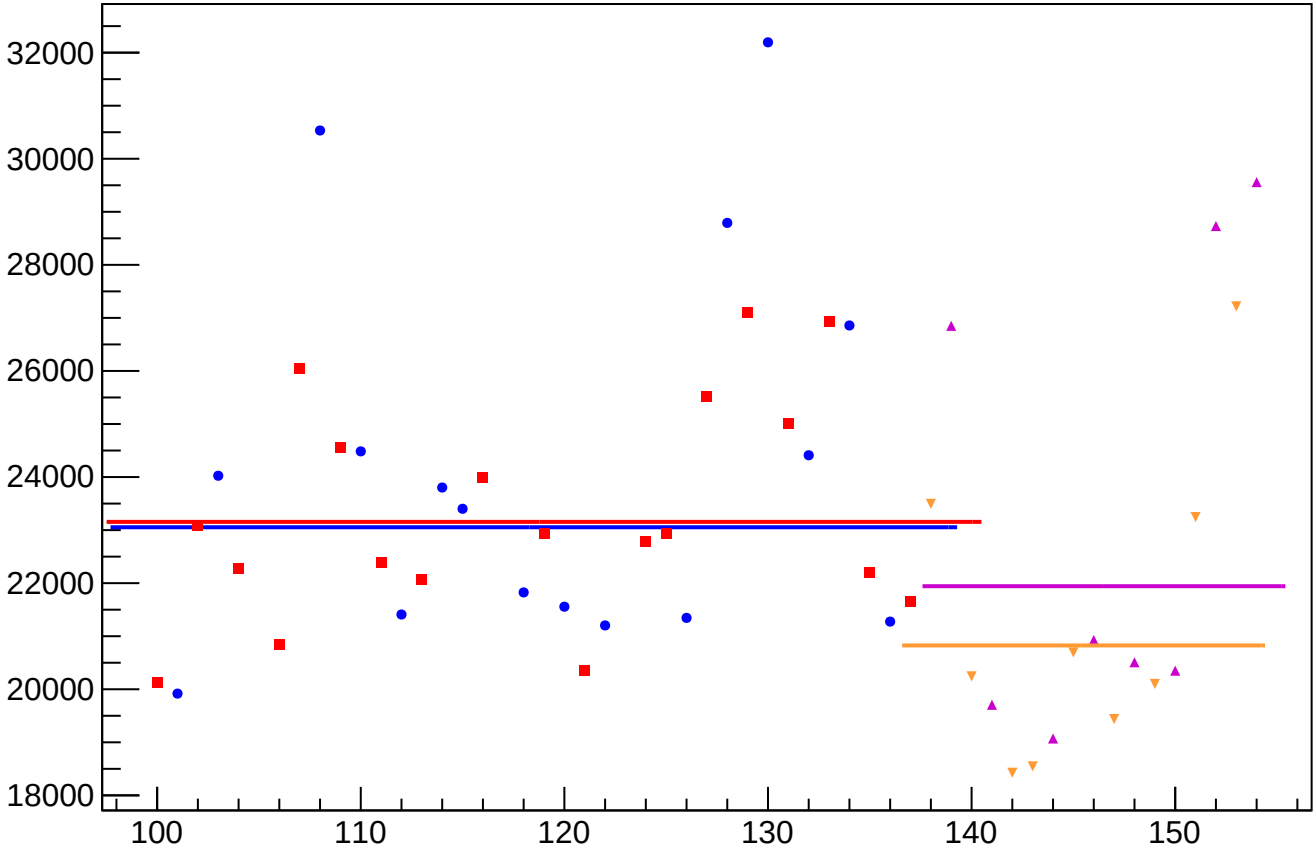
Out: 5.199+/-7.355 χ^2/NDF:27.4/27

All: 0.901+/-5.298 χ^2/NDF: 47.8/51


diff_bpmEX_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: 28090.544+/-7.613 χ²/NDF:358363.2/7
Left: 27339.018+/-5.231 χ²/NDF: 553542.3/16
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28422.643+/-5.400 χ²/NDF:639834.1/23
Out: 27752.674+/-5.201 χ²/NDF:330552.7/27
All: 28075.035+/-3.746 χ²/NDF: 978371.8/51


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 9.034+/-7.951 χ²/NDF:10.1/8
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 1.464+/-8.409 χ²/NDF:3.4/7
Left: 5.461+/-5.777 χ²/NDF: 13.9/16
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -3.409+/-6.039 χ²/NDF:19.6/23
Out: 4.400+/-5.808 χ²/NDF:28.4/27
All: 0.647+/-4.186 χ²/NDF: 48.9/51

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: 21942.596+/-5.946 χ^2/NDF:355637.3/7

Left: 21352.979+/-4.085 χ^2/NDF: 553563.7/16

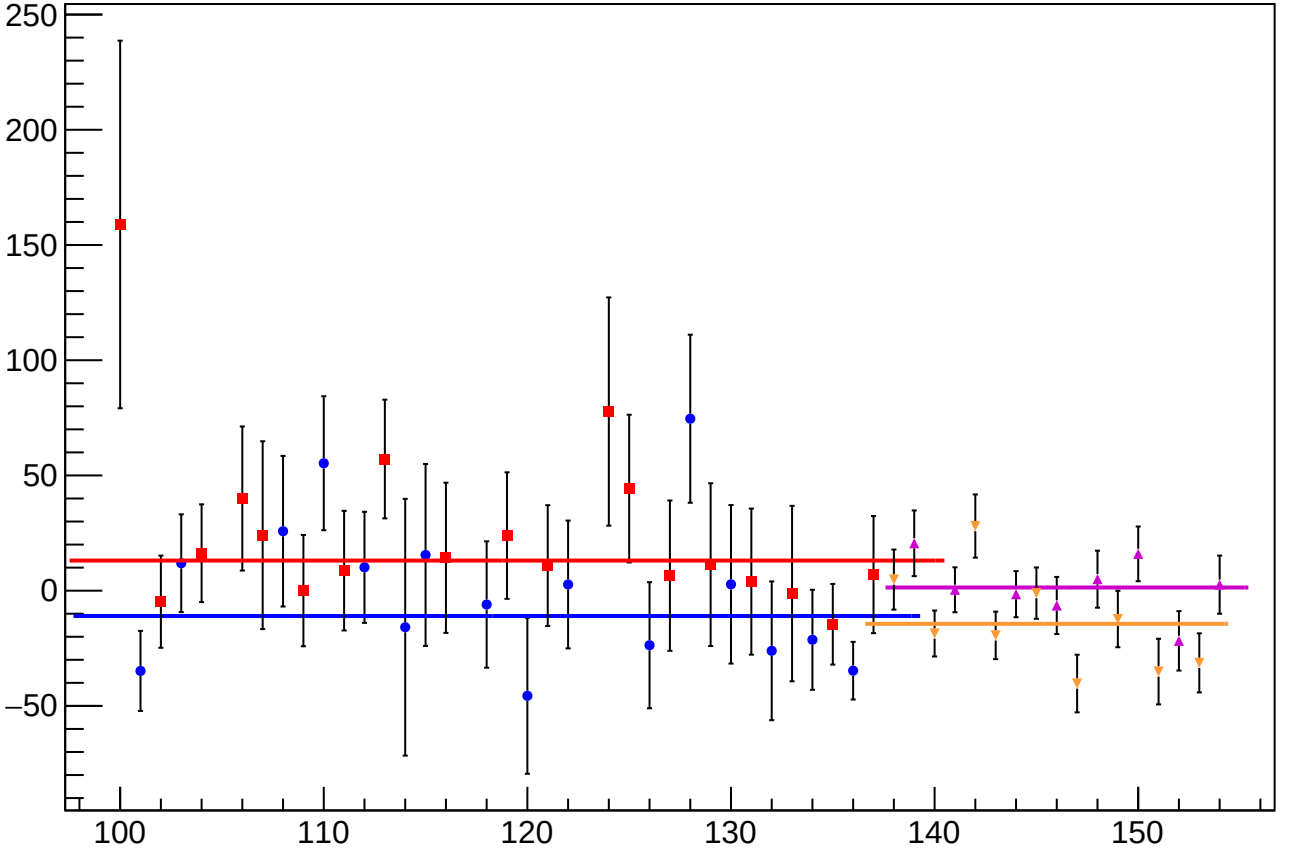
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 22480.738+/-4.270 χ^2/NDF:633997.1/23

Out: 21912.086+/-4.107 χ^2/NDF:353247.6/27

All: 22185.344+/-2.960 χ^2/NDF: 996456.3/51

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: 1.380+/-4.158 χ^2/NDF:7.1/7

Left: -6.830+/-2.879 χ^2/NDF: 36.4/16

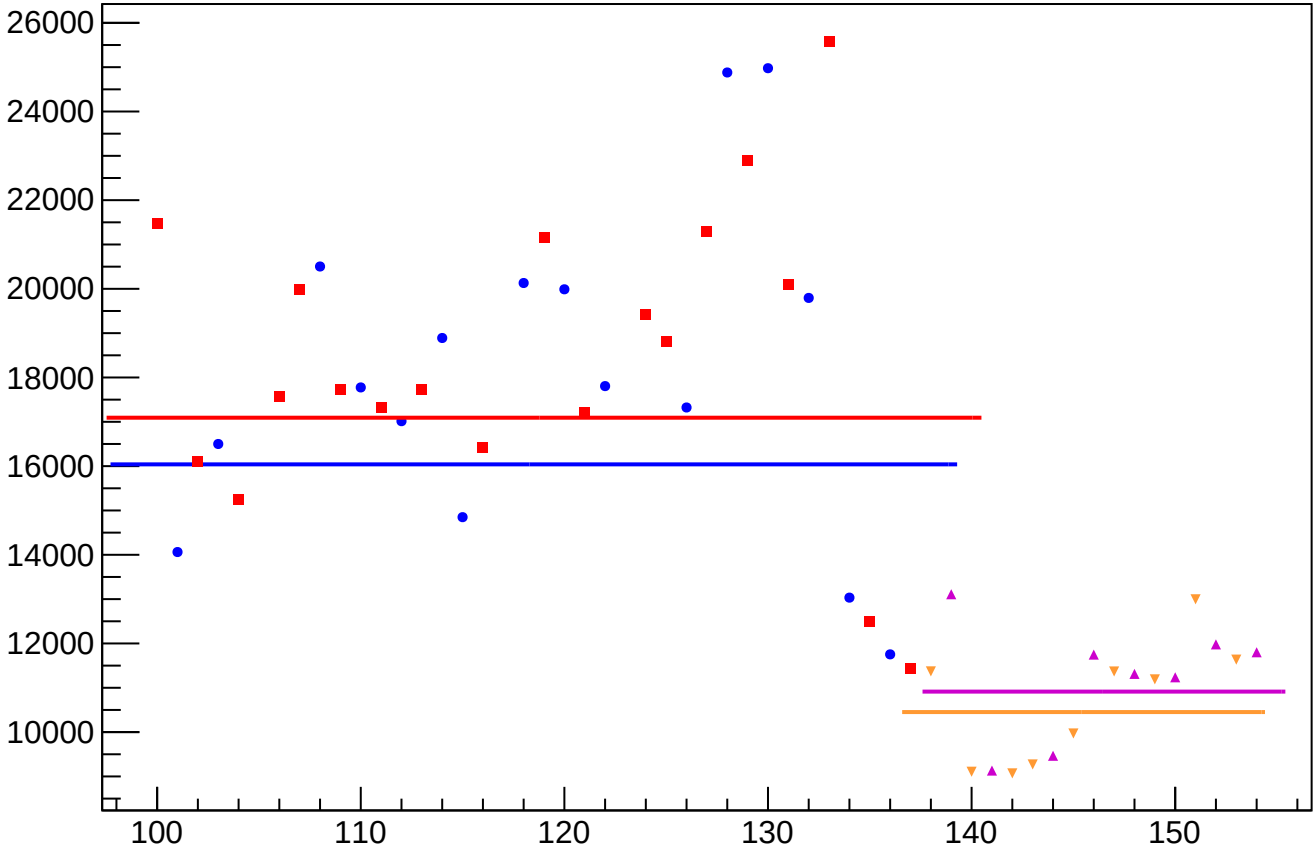
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -2.501+/-3.446 χ^2/NDF:31.9/23

Out: -6.672+/-3.383 χ^2/NDF:49.0/27

All: -4.624+/-2.414 χ^2/NDF: 81.6/51

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: 10913.670+/-2.940 χ^2/NDF:192130.5/7

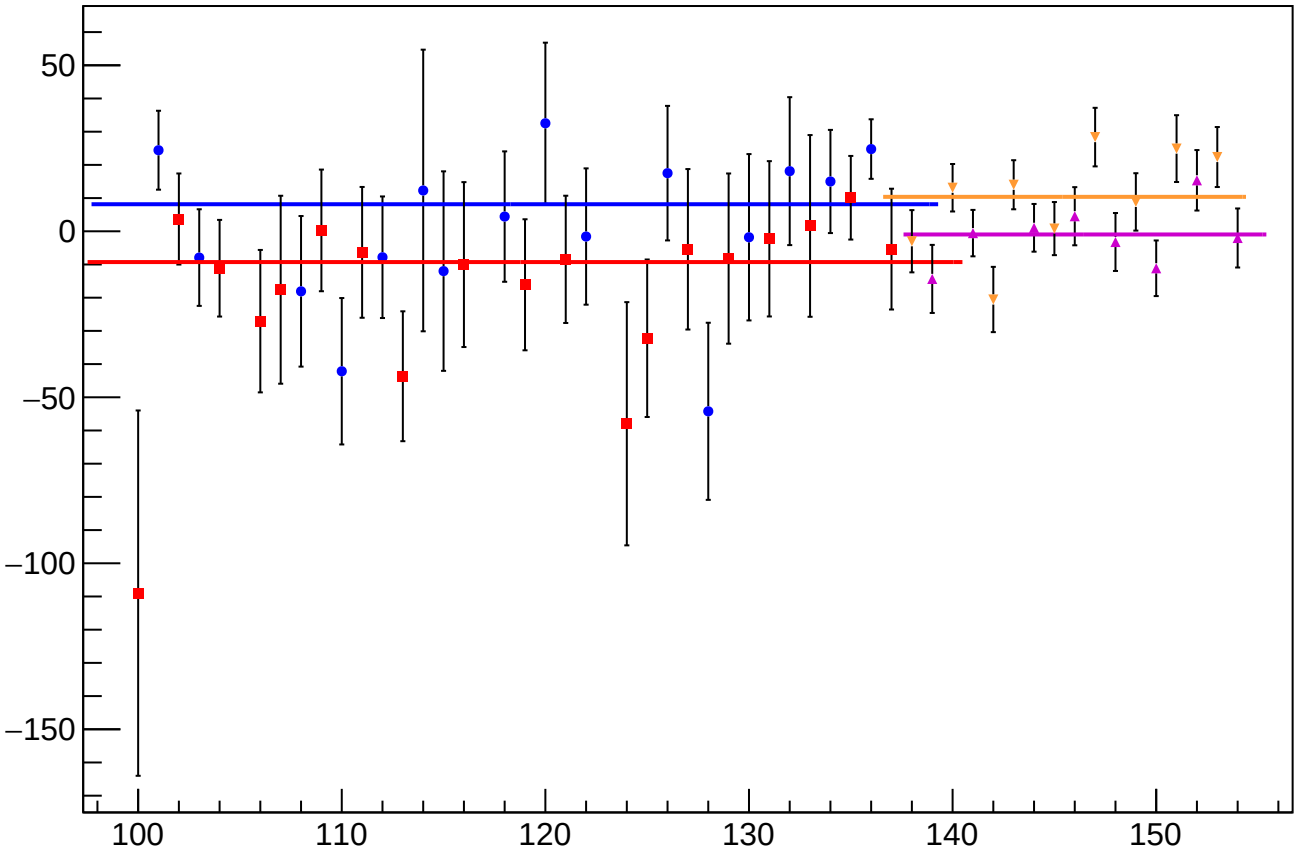
Left: 10673.487+/-2.036 χ^2/NDF: 400576.8/16

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12520.224+/-2.436 χ^2/NDF:1867432.0/23

Out: 12318.471+/-2.392 χ^2/NDF:2287839.6/27

All: 12417.504+/-1.707 χ^2/NDF: 4158762.9/5



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: -0.959+/-2.956 χ^2/NDF:6.9/7

Left: 4.925+/-2.050 χ^2/NDF: 36.4/16

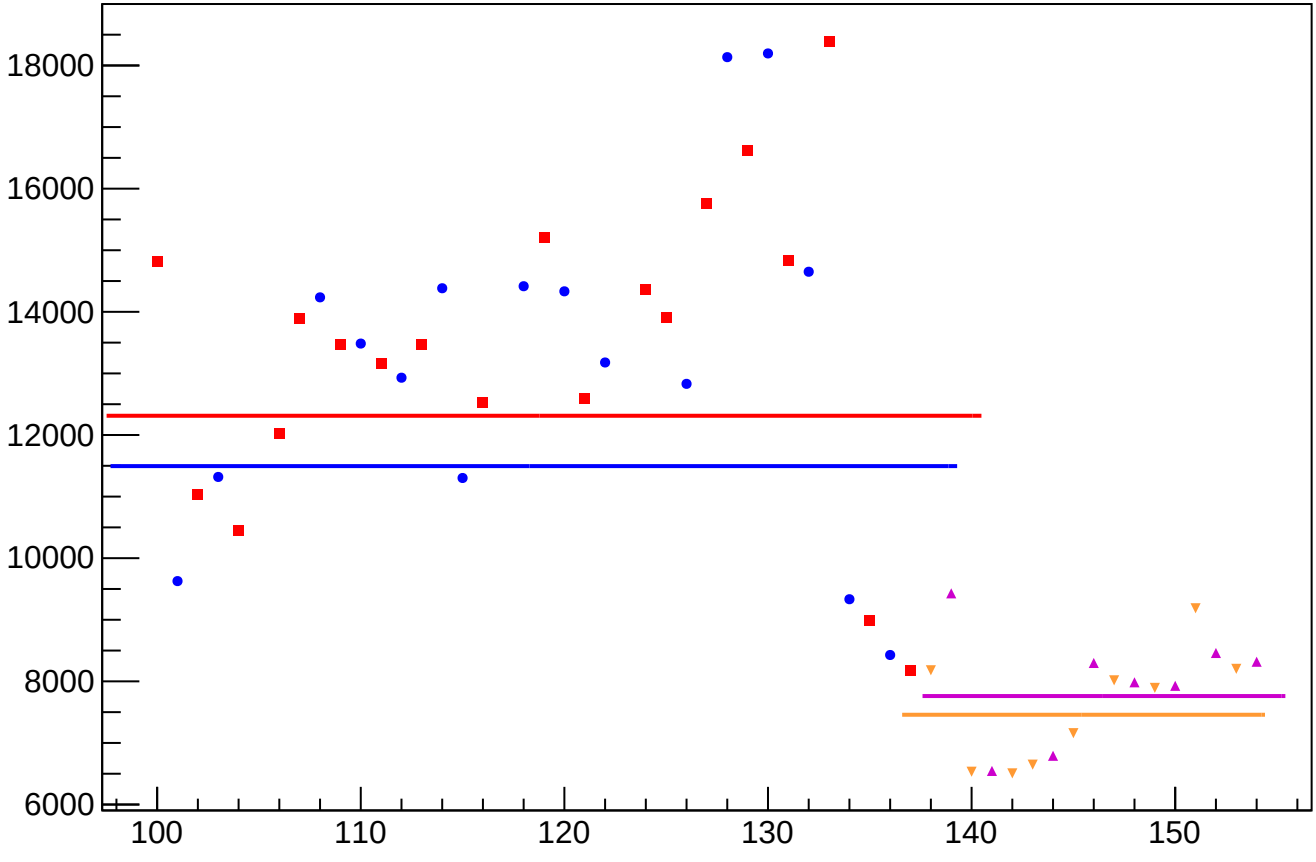
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 1.854+/-2.458 χ^2/NDF:31.7/23

Out: 4.952+/-2.420 χ^2/NDF:48.8/27

All: 3.427+/-1.724 χ^2/NDF: 81.3/51

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: 7761.412+/-2.090 χ^2/NDF:179084.6/7

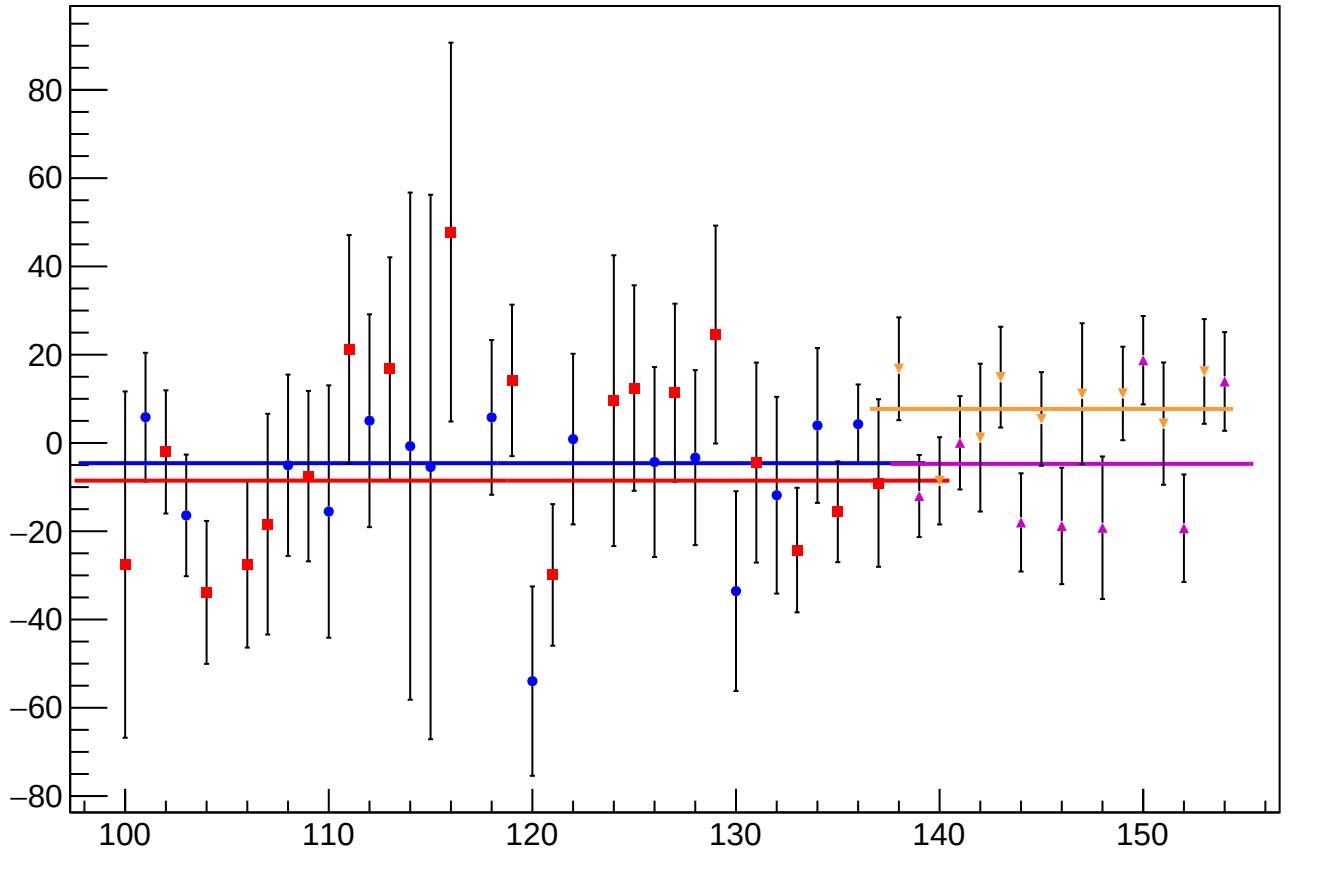
Left: 7603.718+/-1.449 χ^2/NDF: 366708.9/16

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8914.128+/-1.738 χ^2/NDF:1954250.3/23

Out: 8797.628+/-1.712 χ^2/NDF:2383294.0/27

All: 8854.992+/-1.219 χ^2/NDF: 4339825.7/51



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: -4.732+/-3.989 χ^2/NDF:13.9/7

Left: 1.489+/-2.820 χ^2/NDF: 23.4/16

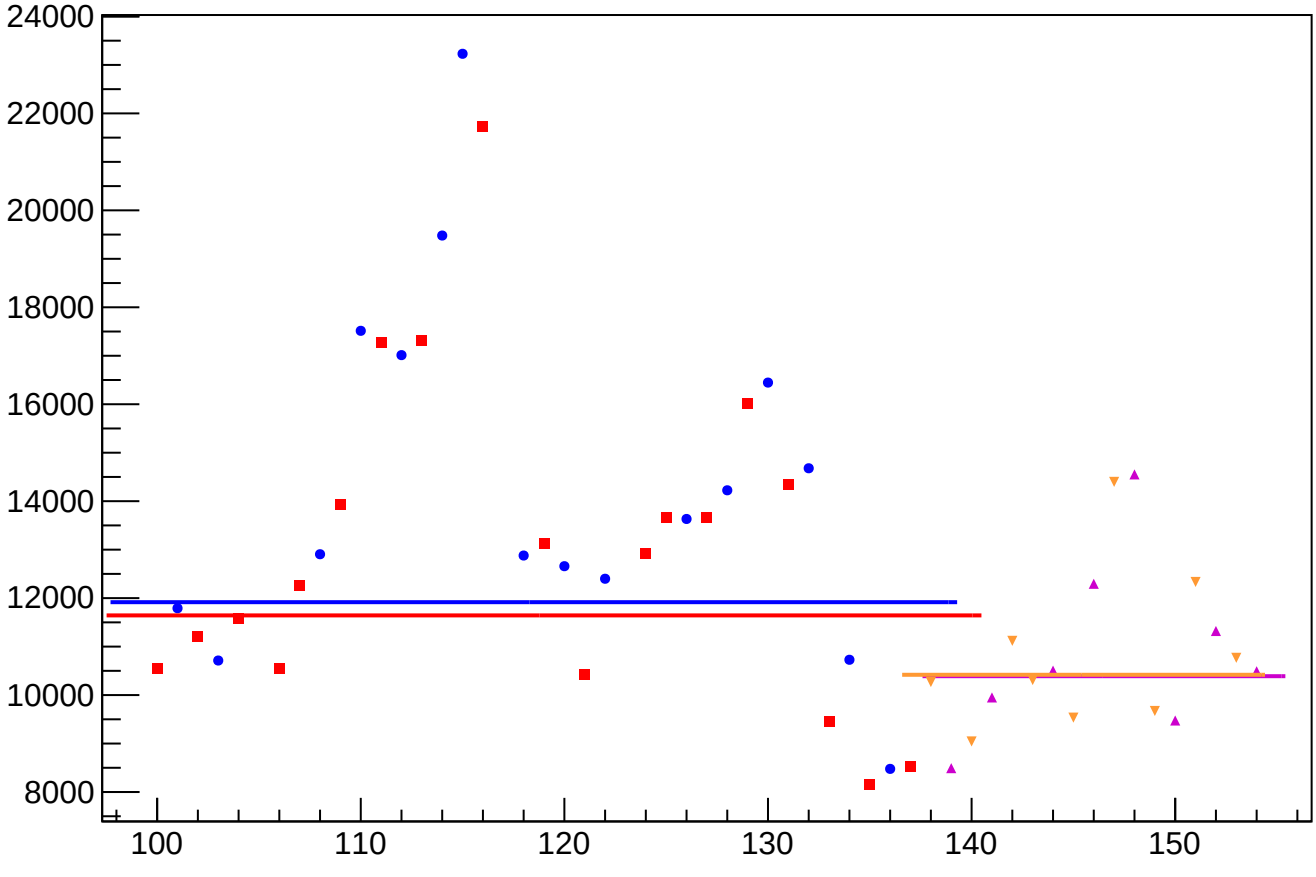
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -4.665+/-3.001 χ^2/NDF:24.1/23

Out: 0.367+/-2.952 χ^2/NDF:29.3/27

All: -2.108+/-2.105 χ^2/NDF: 54.9/51

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: 10389.512+/-2.821 χ^2/NDF:290058.7/7

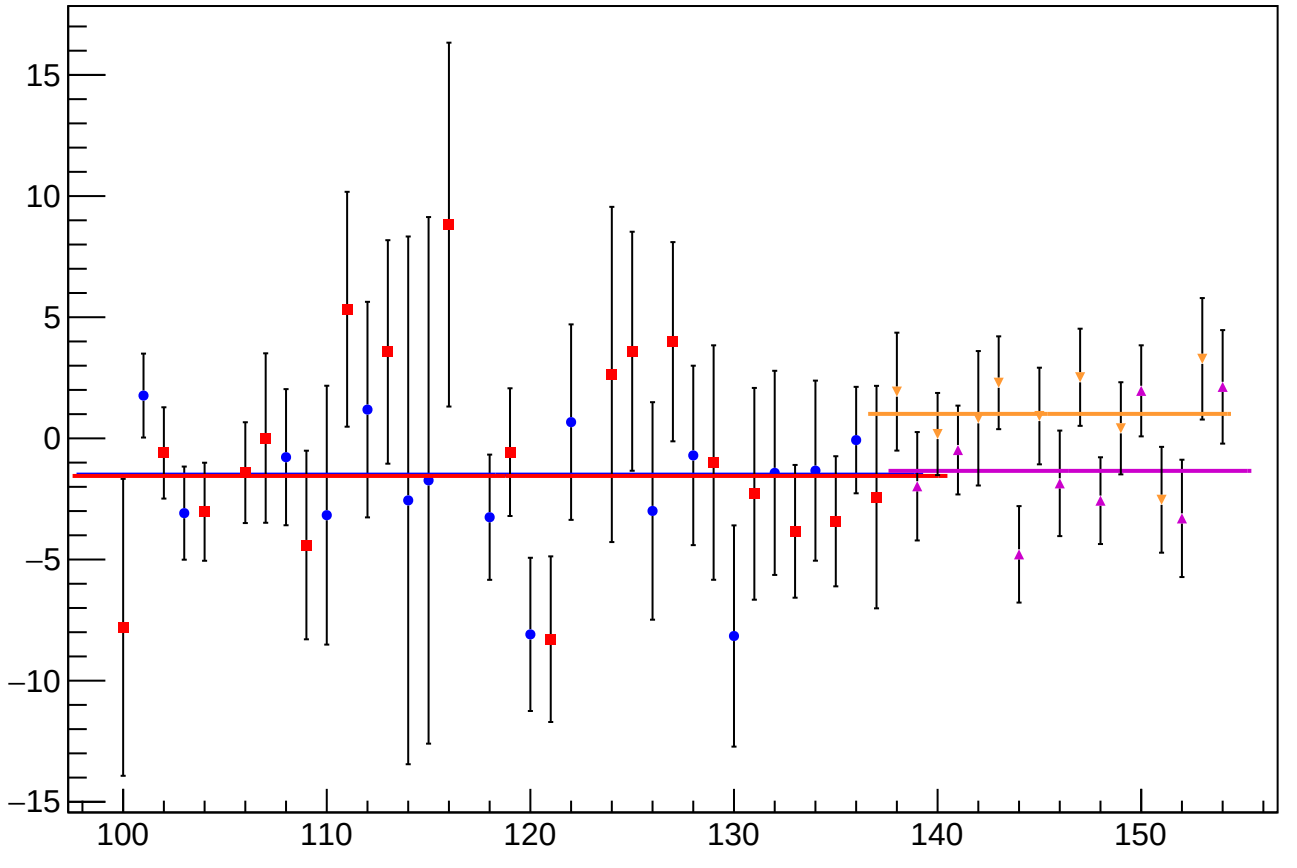
Left: 10404.055+/-1.994 χ^2/NDF: 520660.0/16

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11052.359+/-2.122 χ^2/NDF:1167049.3/23

Out: 10972.116+/-2.088 χ^2/NDF:1106187.4/27

All: 11011.589+/-1.488 χ^2/NDF: 2273963.4/5



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: -1.341+/-0.724 χ^2/NDF:9.8/7

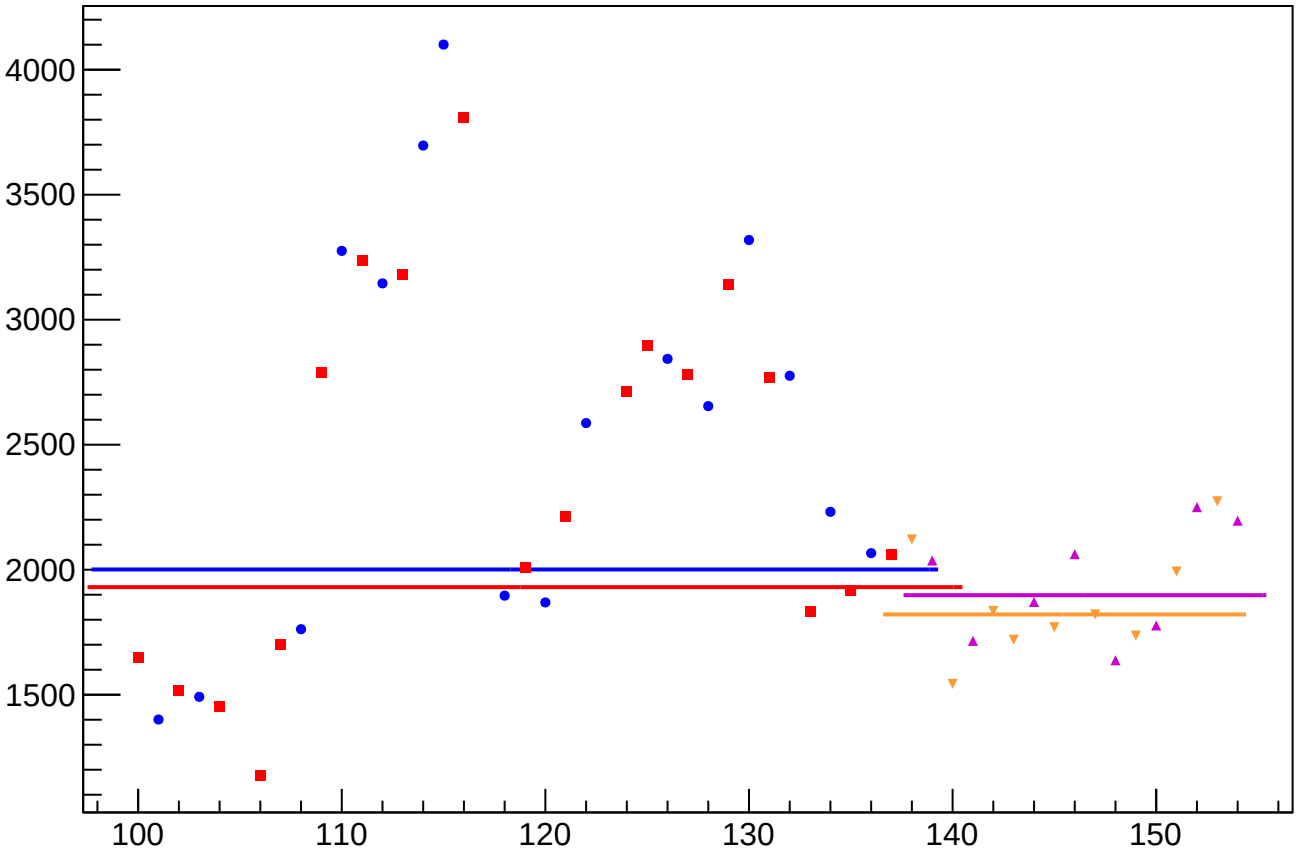
Left: -0.119+/-0.502 χ^2/NDF: 20.2/16

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.413+/-0.530 χ^2/NDF:22.4/23

Out: -0.184+/-0.508 χ^2/NDF:27.6/27

All: -0.773+/-0.367 χ^2/NDF: 52.7/51



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: 1898.205+/-0.512 χ^2/NDF:164610.5/7

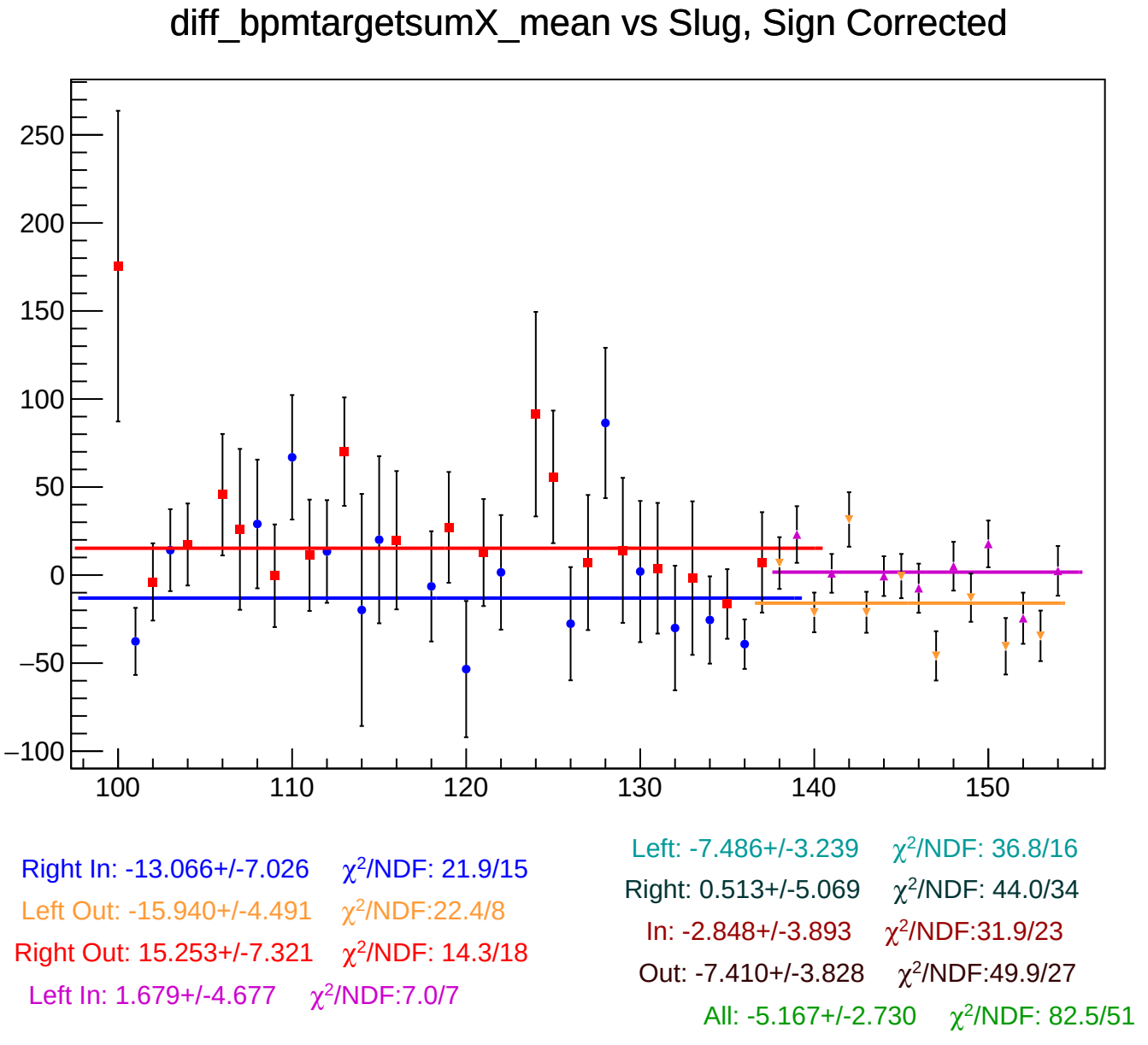
Left: 1858.108+/-0.355 χ^2/NDF: 348854.0/16

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

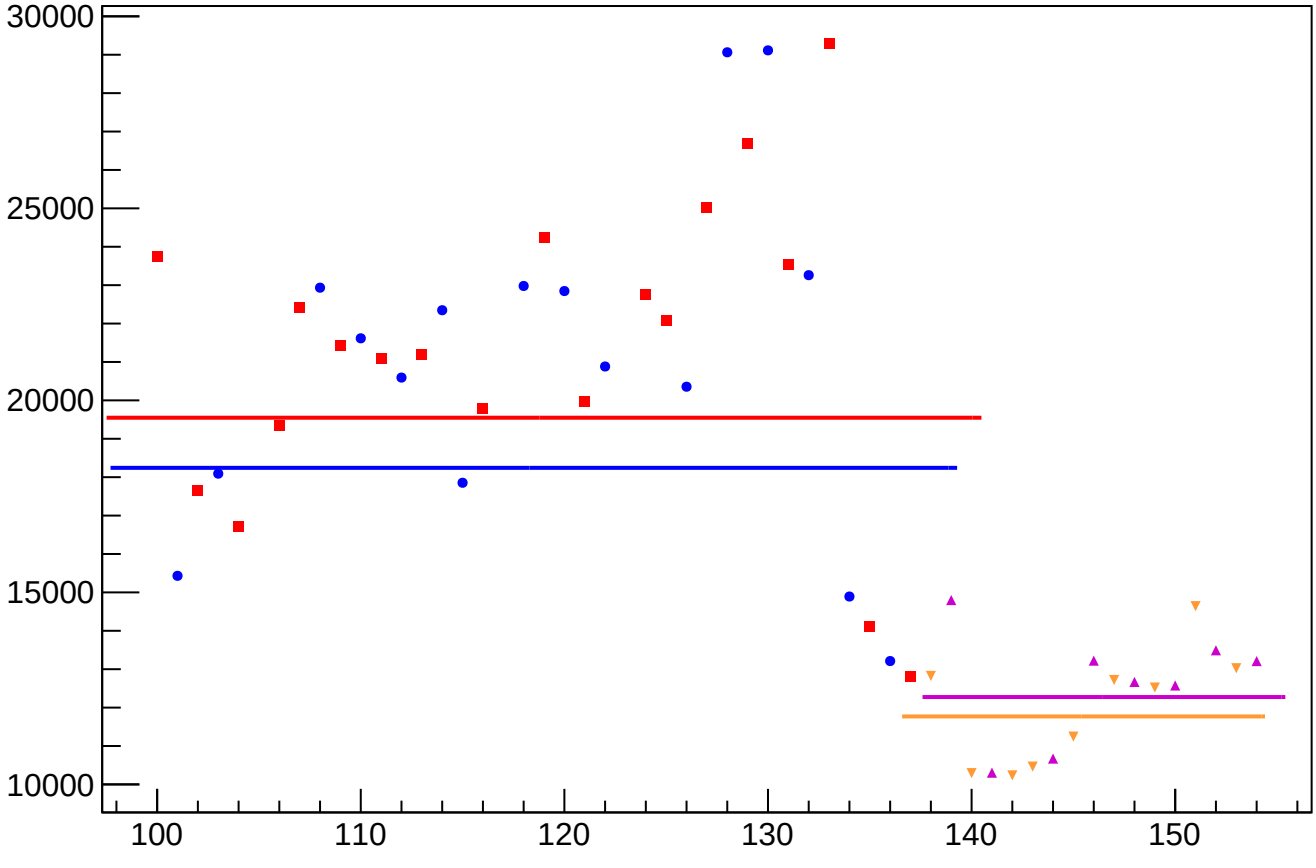
In: 1945.884+/-0.375 χ^2/NDF:1373103.7/23

Out: 1872.053+/-0.360 χ^2/NDF:1599028.1/27

All: 1907.433+/-0.259 χ^2/NDF: 2992343.2/51


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: 1.679+/-4.677 χ²/NDF:7.0/7
Left: -7.486+/-3.239 χ²/NDF: 36.8/16
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -2.848+/-3.893 χ²/NDF:31.9/23
Out: -7.410+/-3.828 χ²/NDF:49.9/27
All: -5.167+/-2.730 χ²/NDF: 82.5/51

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: 12275.263+/-3.307 χ^2/NDF:188269.1/7

Left: 12012.195+/-2.291 χ^2/NDF: 388127.1/16

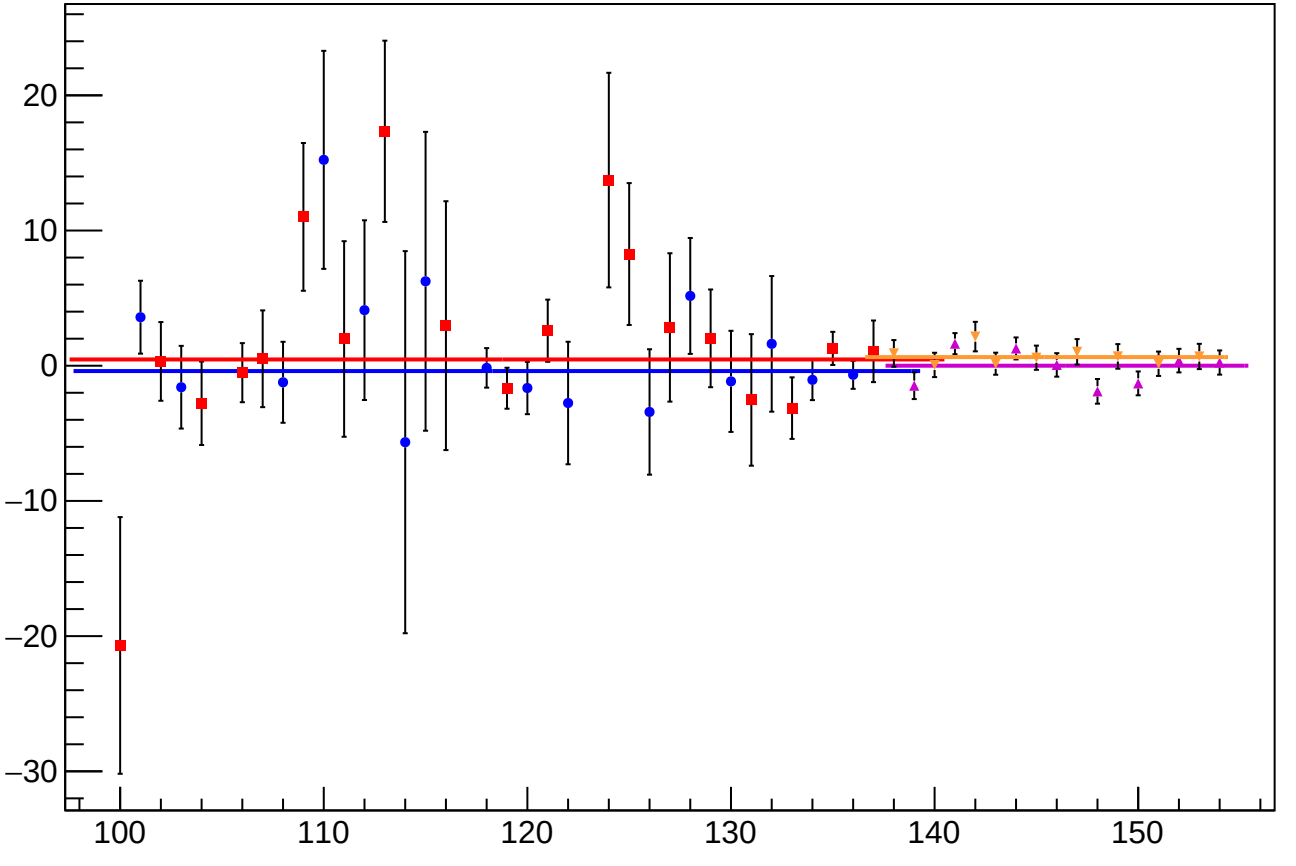
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14107.442+/-2.753 χ^2/NDF:2008030.7/23

Out: 13896.830+/-2.707 χ^2/NDF:2450055.7/27

All: 14000.368+/-1.930 χ^2/NDF: 4461062.2/5

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: 0.002+/-0.308 χ^2/NDF:15.8/7

Left: 0.321+/-0.218 χ^2/NDF: 21.2/16

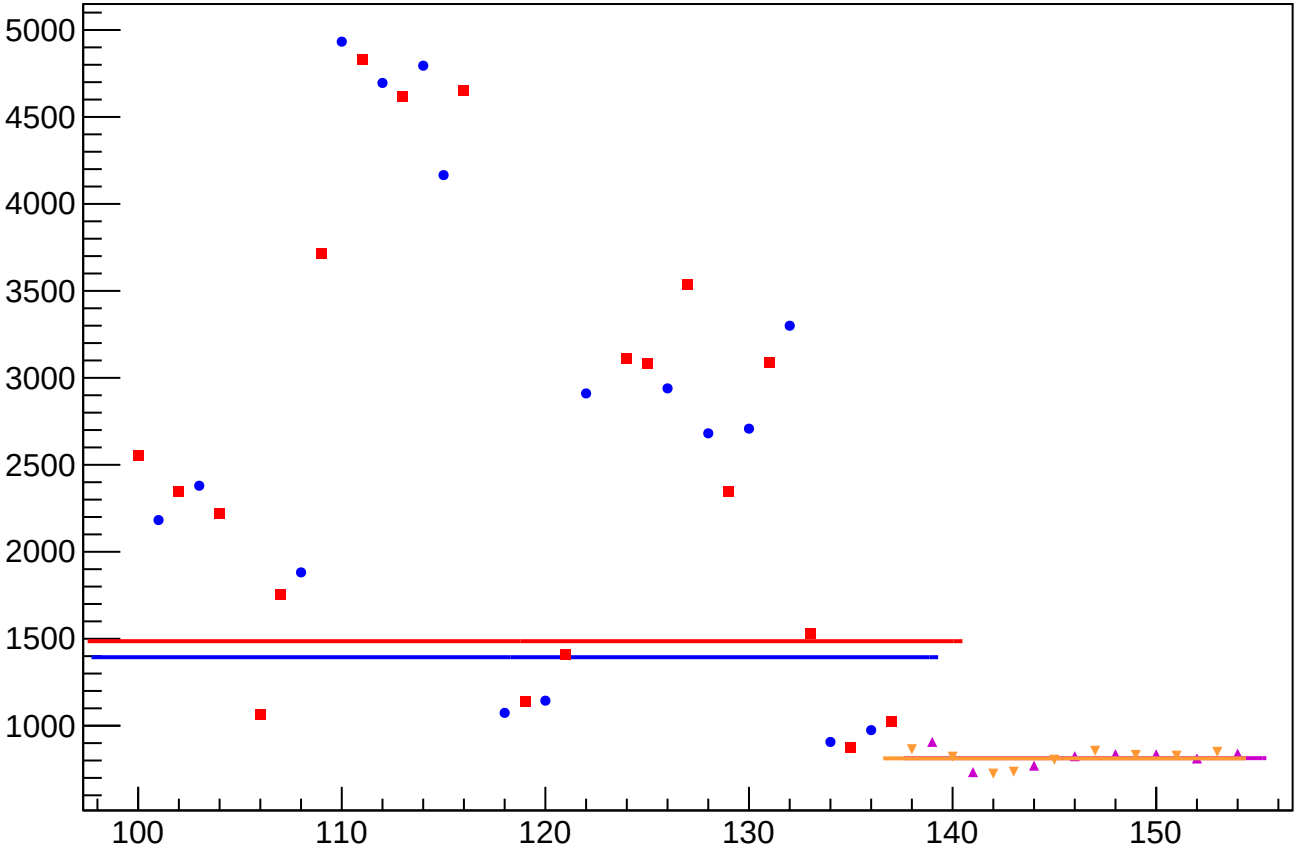
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.081+/-0.274 χ^2/NDF:26.6/23

Out: 0.605+/-0.277 χ^2/NDF:31.4/27

All: 0.259+/-0.195 χ^2/NDF: 61.0/51

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: 813.605+/-0.218 χ^2/NDF:49156.4/7

Left: 813.000+/-0.154 χ^2/NDF: 94928.9/16

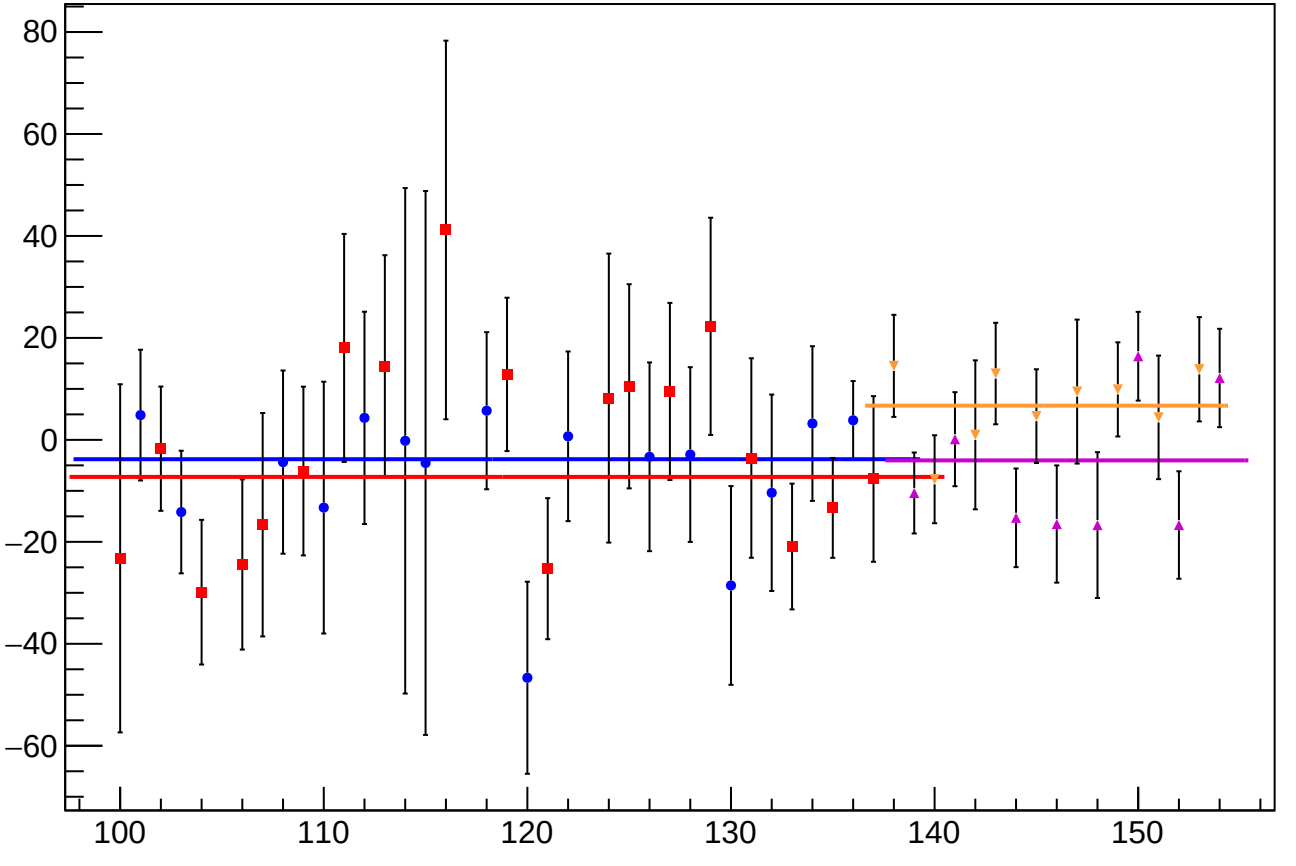
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 934.623+/-0.194 χ^2/NDF:4910221.4/23

Out: 940.862+/-0.196 χ^2/NDF:5272218.2/27

All: 937.711+/-0.138 χ^2/NDF: 10182952.7/51

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



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: -4.027+/-3.456 χ^2/NDF:13.9/7

Left: 1.326+/-2.448 χ^2/NDF: 23.4/16

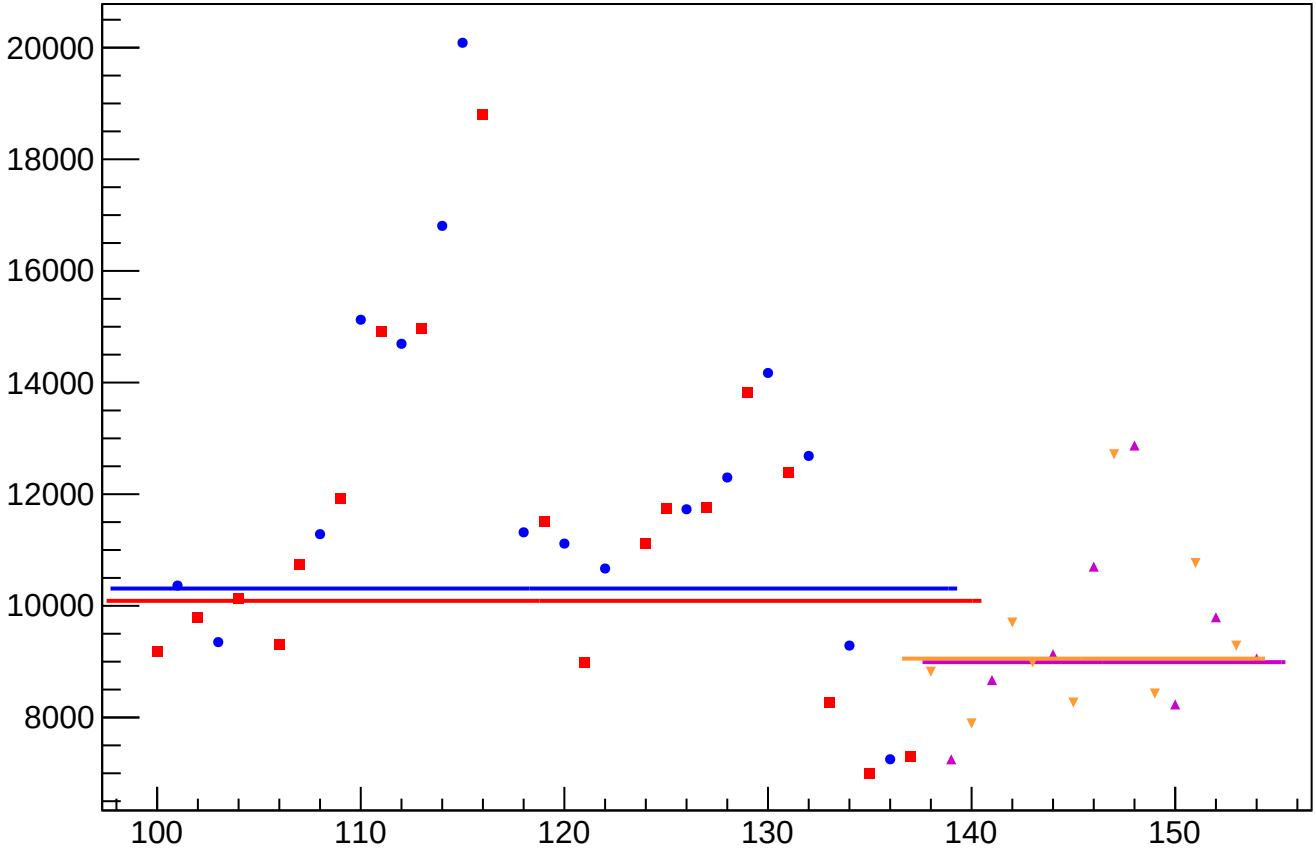
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.926+/-2.599 χ^2/NDF:24.0/23

Out: 0.375+/-2.564 χ^2/NDF:29.3/27

All: -1.746+/-1.825 χ^2/NDF: 54.7/51

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: 8991.256+/-2.444 χ^2/NDF:317533.3/7

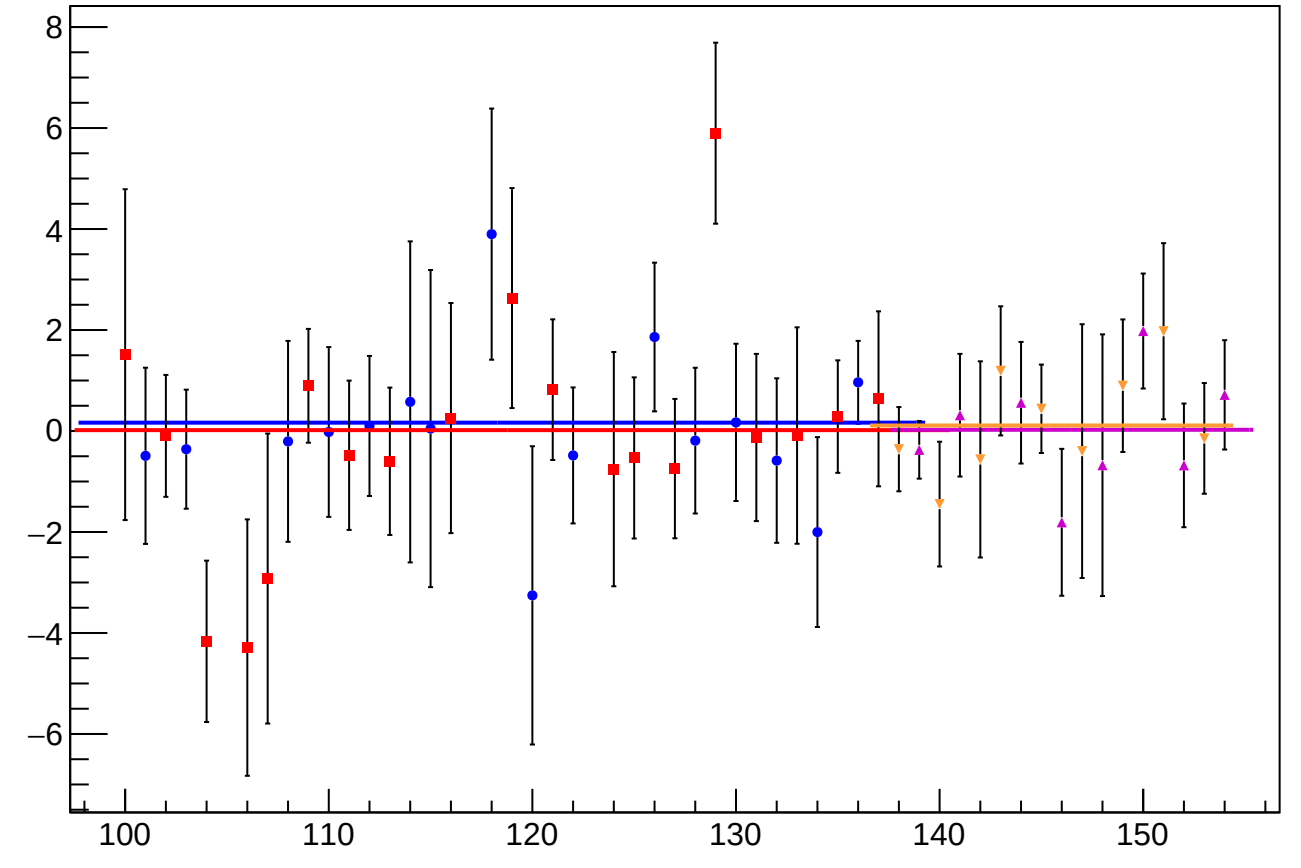
Left: 9022.632+/-1.731 χ^2/NDF: 558506.4/16

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

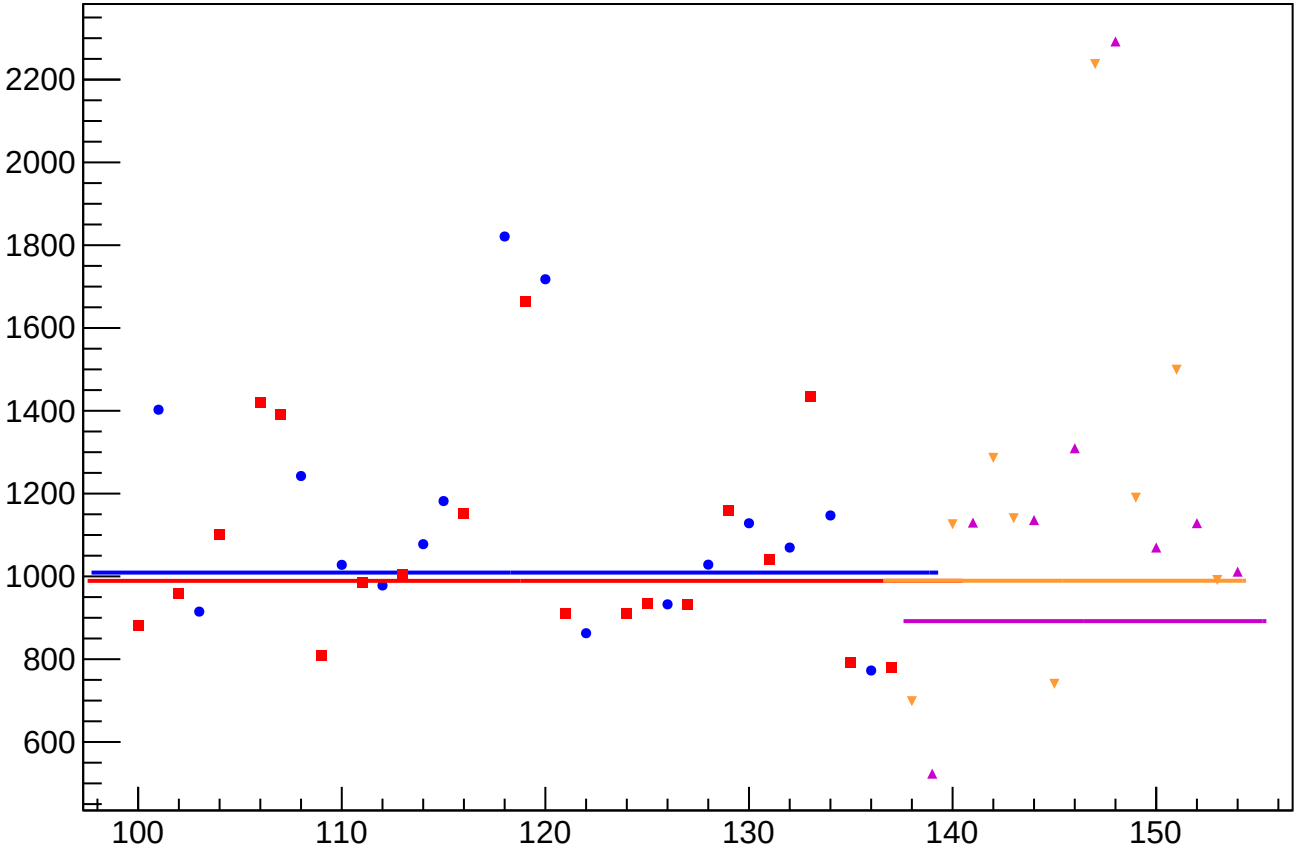
In: 9564.257+/-1.838 χ^2/NDF:1214547.6/23

Out: 9523.740+/-1.813 χ^2/NDF:1114278.2/27

All: 9543.720+/-1.291 χ^2/NDF: 2329072.1/51


diff_bpmtargetdiffY_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.165+/-0.386 χ²/NDF: 8.1/15
Left Out: 0.109+/-0.402 χ²/NDF:4.5/8
Right Out: 0.017+/-0.372 χ²/NDF: 25.2/18
Left In: 0.024+/-0.369 χ²/NDF:6.1/7
Left: 0.063+/-0.272 χ²/NDF: 10.6/16
Right: 0.089+/-0.268 χ²/NDF: 33.4/34
In: 0.092+/-0.267 χ²/NDF:14.3/23
Out: 0.060+/-0.273 χ²/NDF:29.7/27
All: 0.076+/-0.191 χ²/NDF: 44.0/51

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: 891.954+/-0.261 χ^2/NDF:1890156.1/7

Left: 936.472+/-0.192 χ^2/NDF: 3169086.9/16

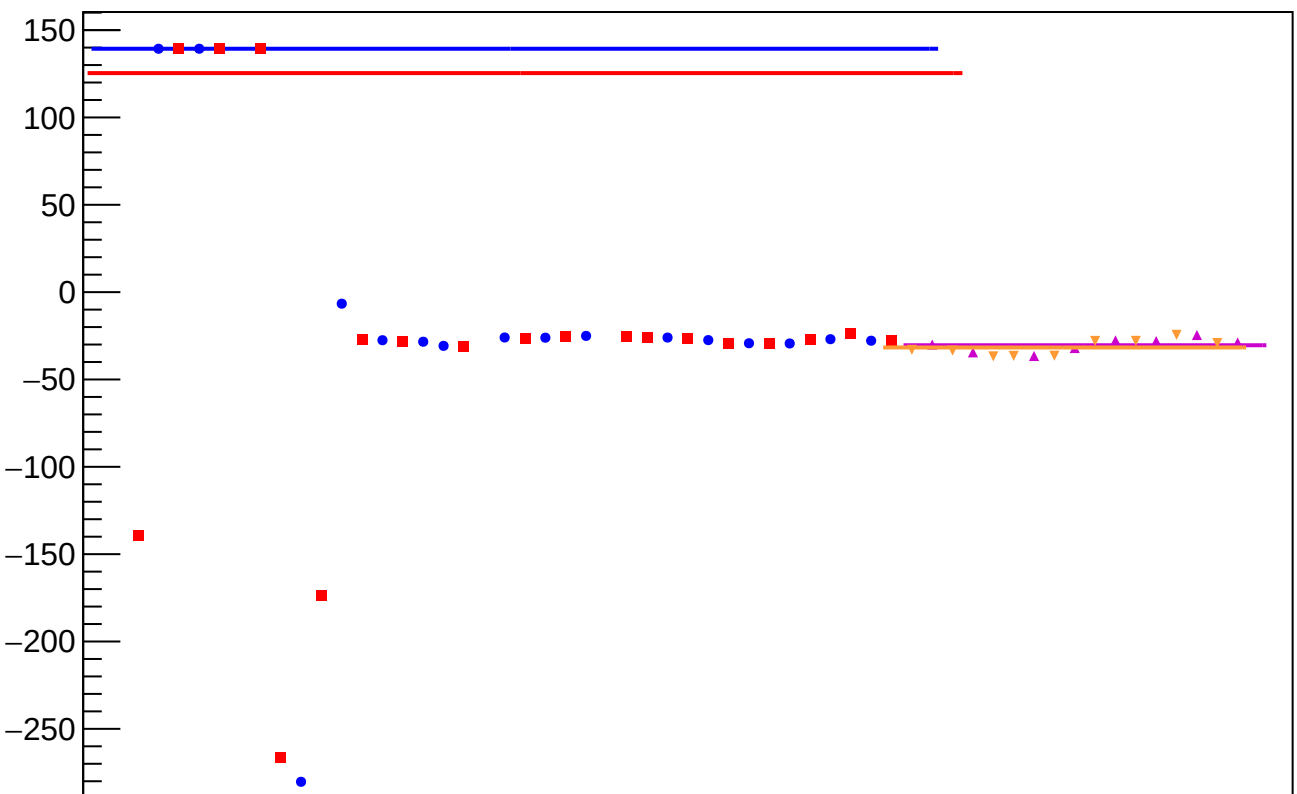
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 947.861+/-0.189 χ^2/NDF:2685893.8/23

Out: 989.367+/-0.193 χ^2/NDF:1790809.7/27

All: 968.111+/-0.135 χ^2/NDF: 4500331.5/51

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: -30.404+/-0.001 χ^2/NDF:51385364.4/7

Left: -31.076+/-0.000 χ^2/NDF: 125685534.1/16

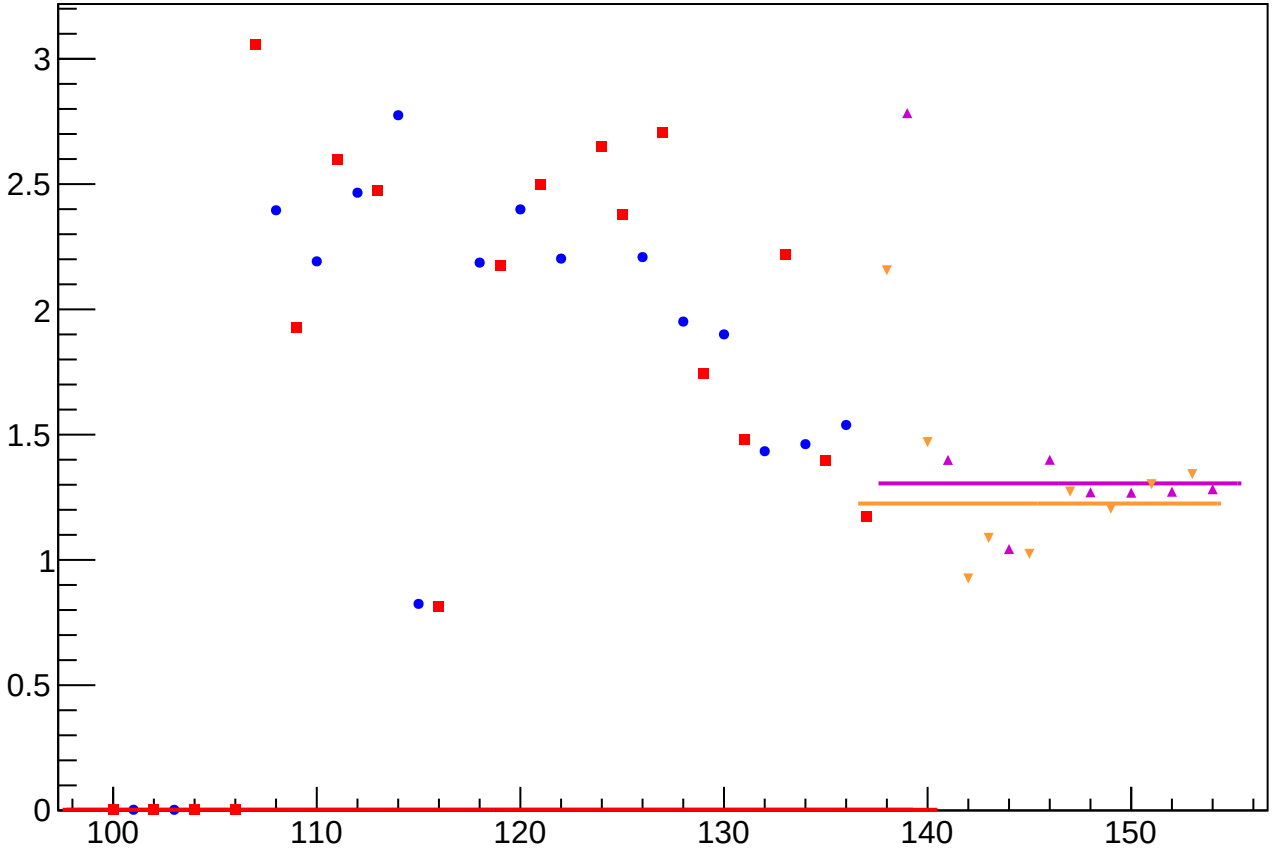
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.334+/-0.000 χ^2/NDF:138598526056.1/23

Out: 125.389+/-0.000 χ^2/NDF:774260211720079.

All: 131.815+/-0.000 χ^2/NDF: 79318294539

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: 1.305+/-0.000 χ^2/NDF:563226.8/7

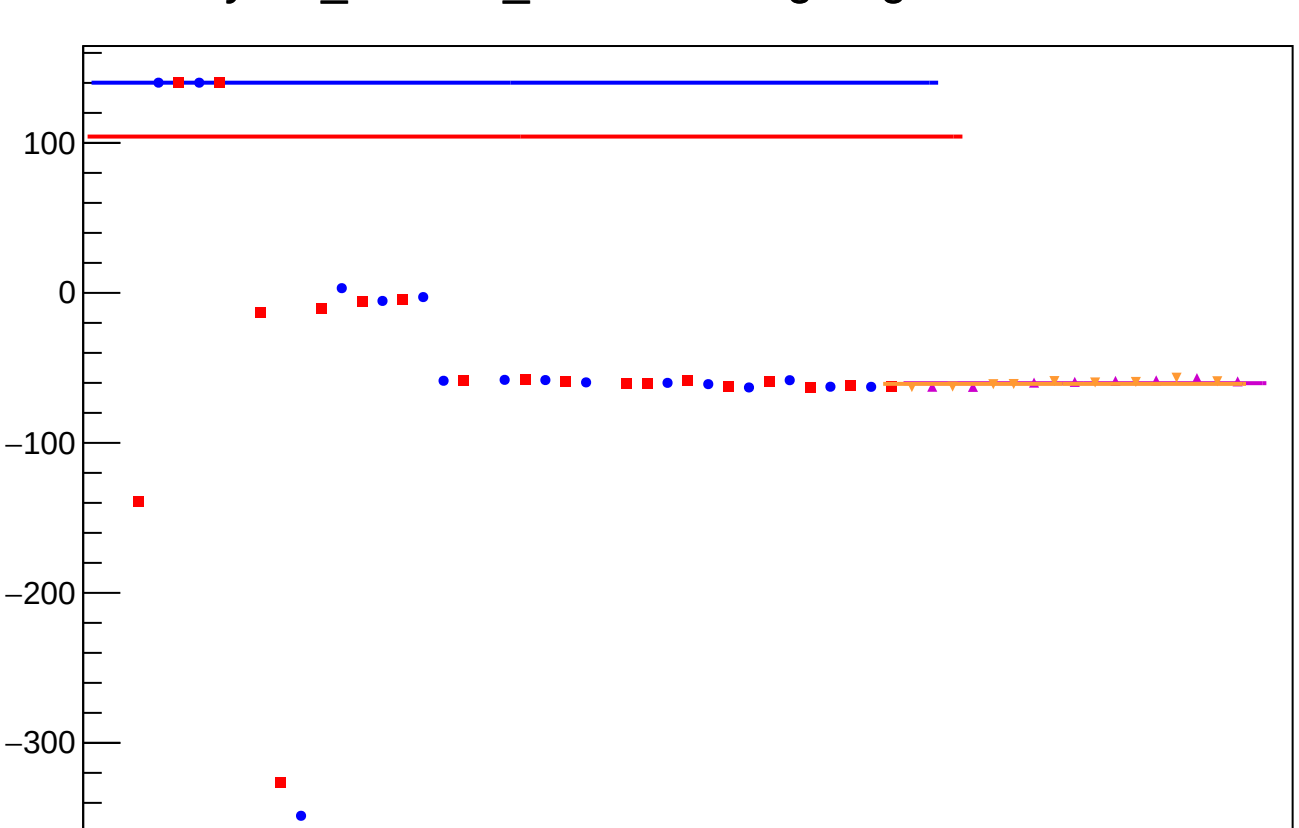
Left: 1.263+/-0.000 χ^2/NDF: 1004322.4/16

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

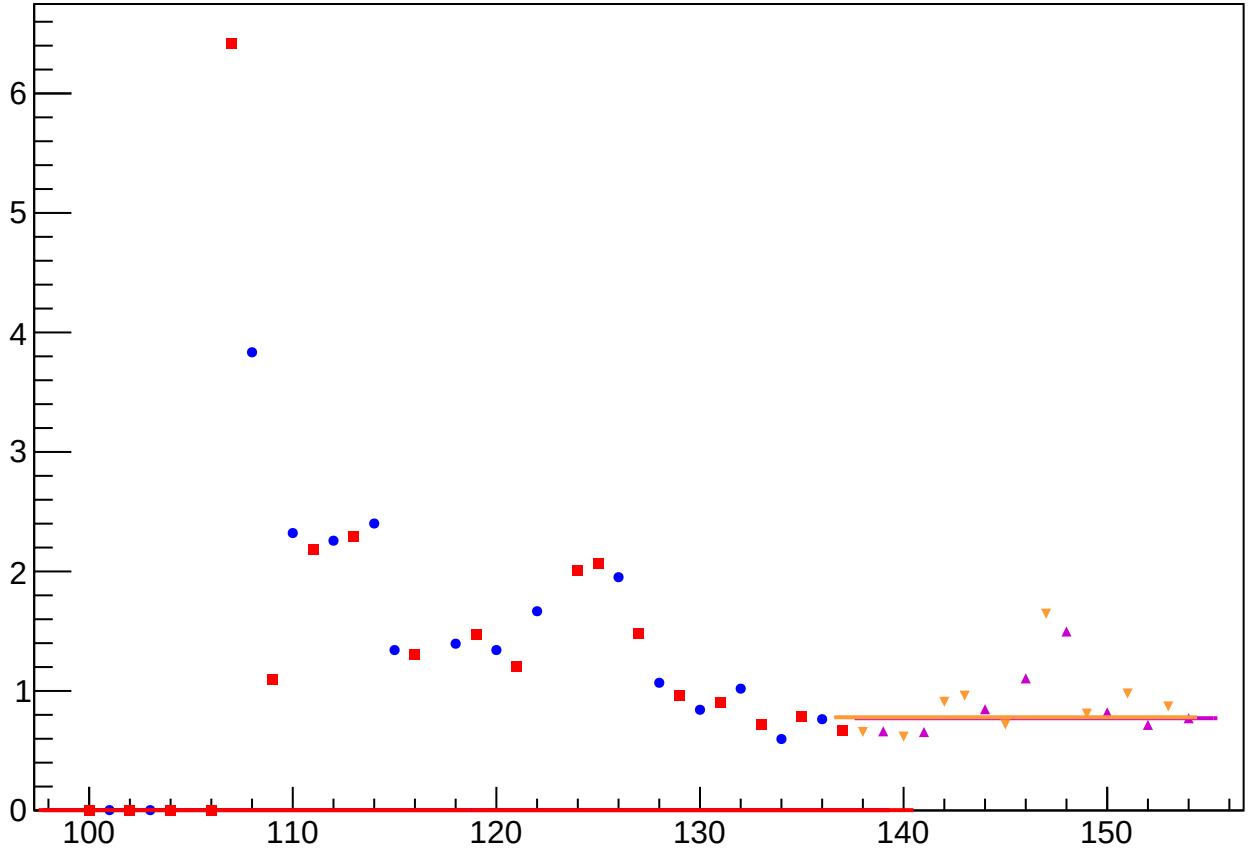
In: 0.003+/-0.000 χ^2/NDF:20903030.9/23

Out: 0.003+/-0.000 χ^2/NDF:20694734.9/27

All: 0.003+/-0.000 χ^2/NDF: 41597980.4/51


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -60.647+/-0.000 χ²/NDF:34641759.1/8
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -60.200+/-0.000 χ²/NDF:44935128.2/7
Left: -60.419+/-0.000 χ²/NDF: 80454137.8/16
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.133+/-0.000 χ²/NDF:546414580447.8/23
Out: 104.217+/-0.000 χ²/NDF:125763488860003
All: 120.823+/-0.000 χ²/NDF: 138147110413

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:565222.8/7

Left: 0.776+/-0.000 χ^2/NDF: 1255728.4/16

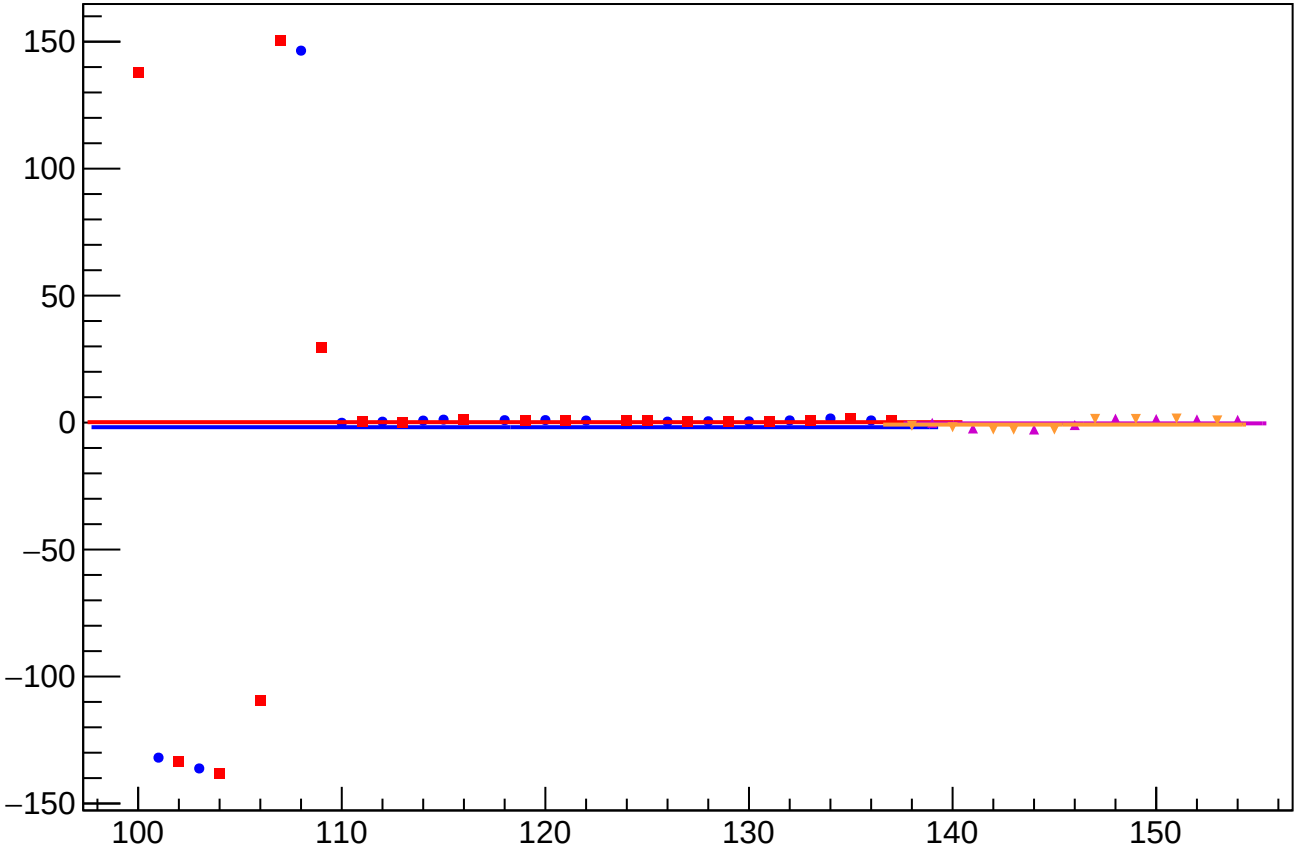
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:21724842.7/23

Out: 0.003+/-0.000 χ^2/NDF:21309268.3/27

All: 0.003+/-0.000 χ^2/NDF: 43034407.1/51

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: -0.308+/-0.000 χ^2/NDF:54810478.2/7

Left: -0.561+/-0.000 χ^2/NDF: 127906651.4/16

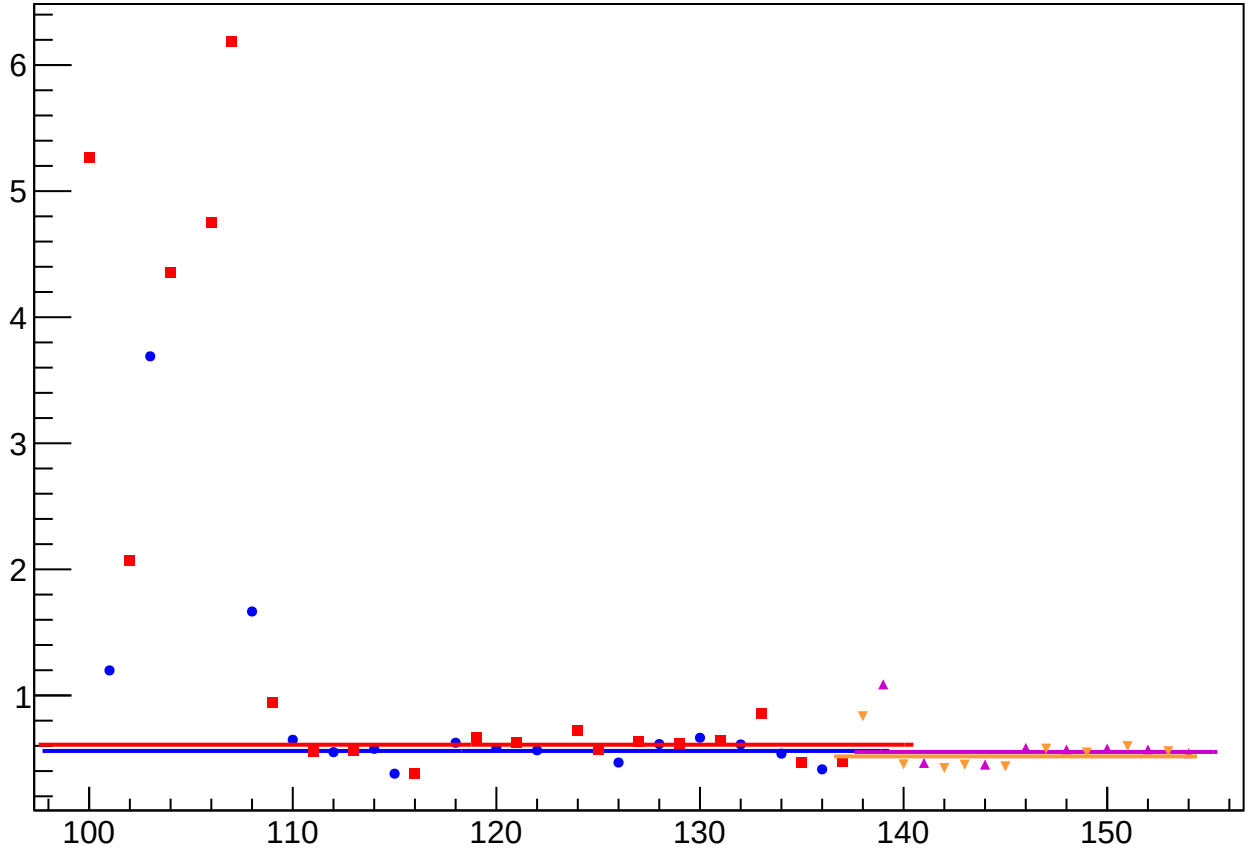
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.025+/-0.000 χ^2/NDF:9961286733.9/23

Out: -0.404+/-0.000 χ^2/NDF:3689438449.4/27

All: -0.719+/-0.000 χ^2/NDF: 13657191895.4/

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: 0.552+/-0.000 χ^2/NDF:526981.3/7

Left: 0.533+/-0.000 χ^2/NDF: 909510.6/16

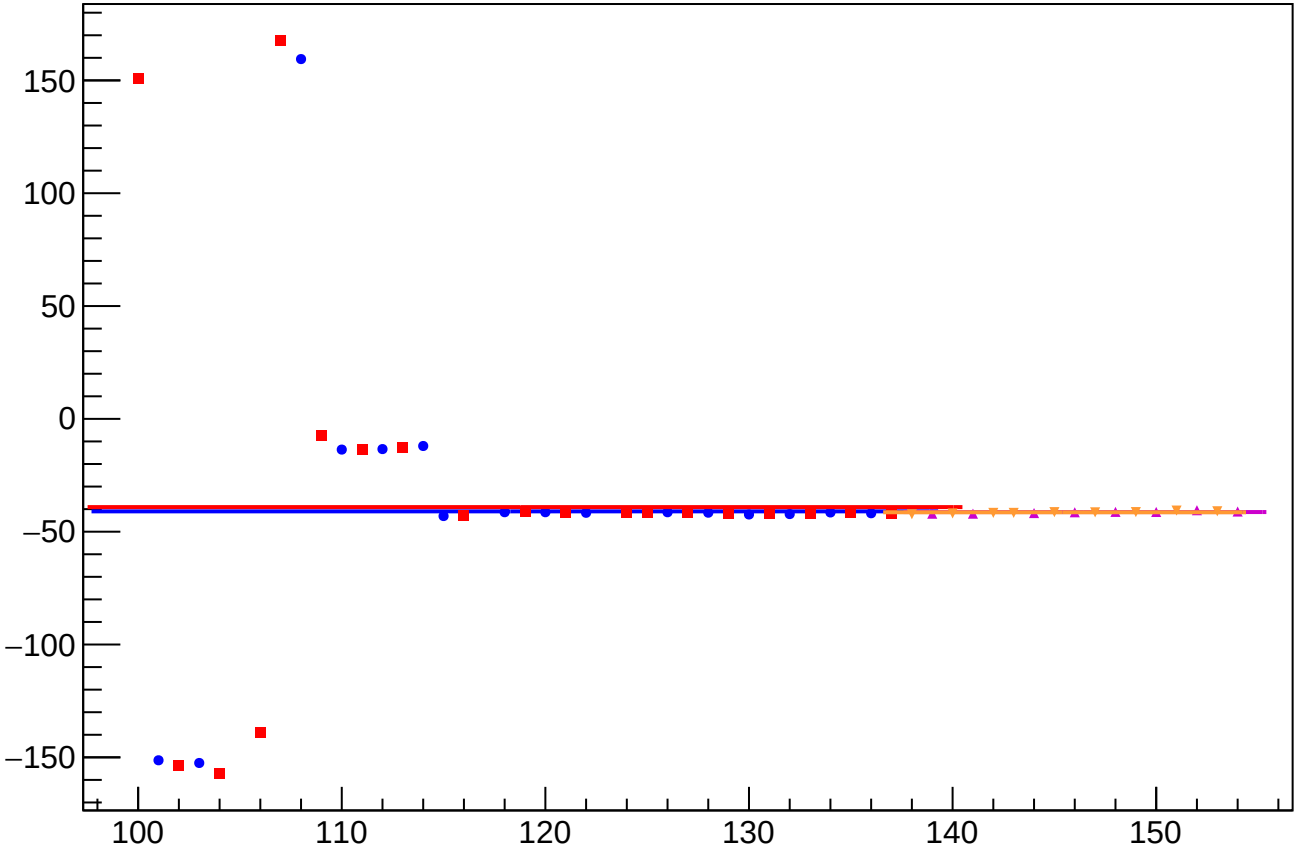
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.556+/-0.000 χ^2/NDF:2126527.8/23

Out: 0.554+/-0.000 χ^2/NDF:2972733.7/27

All: 0.555+/-0.000 χ^2/NDF: 5099342.7/51

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: -41.293+/-0.000 χ^2/NDF:11670647.0/7

Left: -41.341+/-0.000 χ^2/NDF: 20129374.5/16

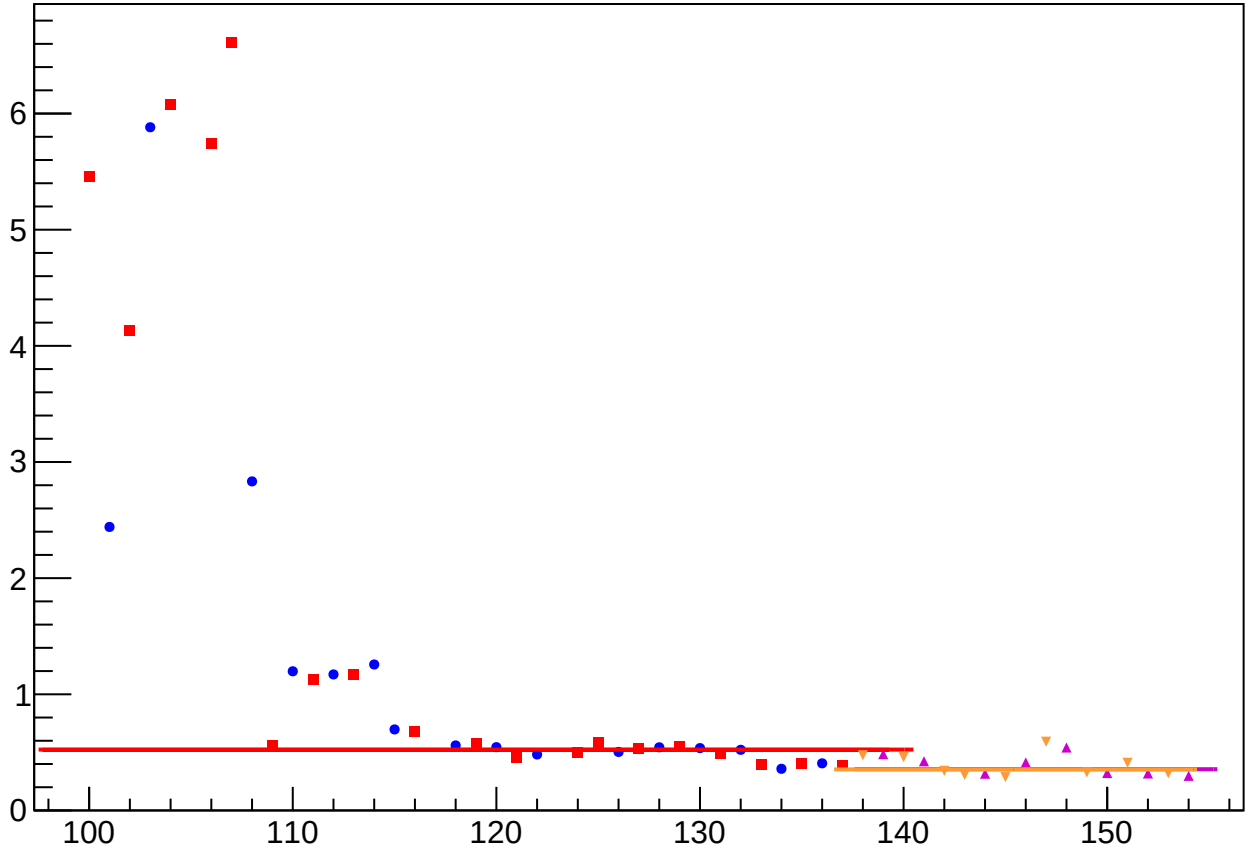
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.211+/-0.000 χ^2/NDF:3462555991.1/23

Out: -40.789+/-0.000 χ^2/NDF:2557522905.9/27

All: -41.000+/-0.000 χ^2/NDF: 6026159587.1/

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: 0.355+/-0.000 χ^2/NDF:497185.2/7

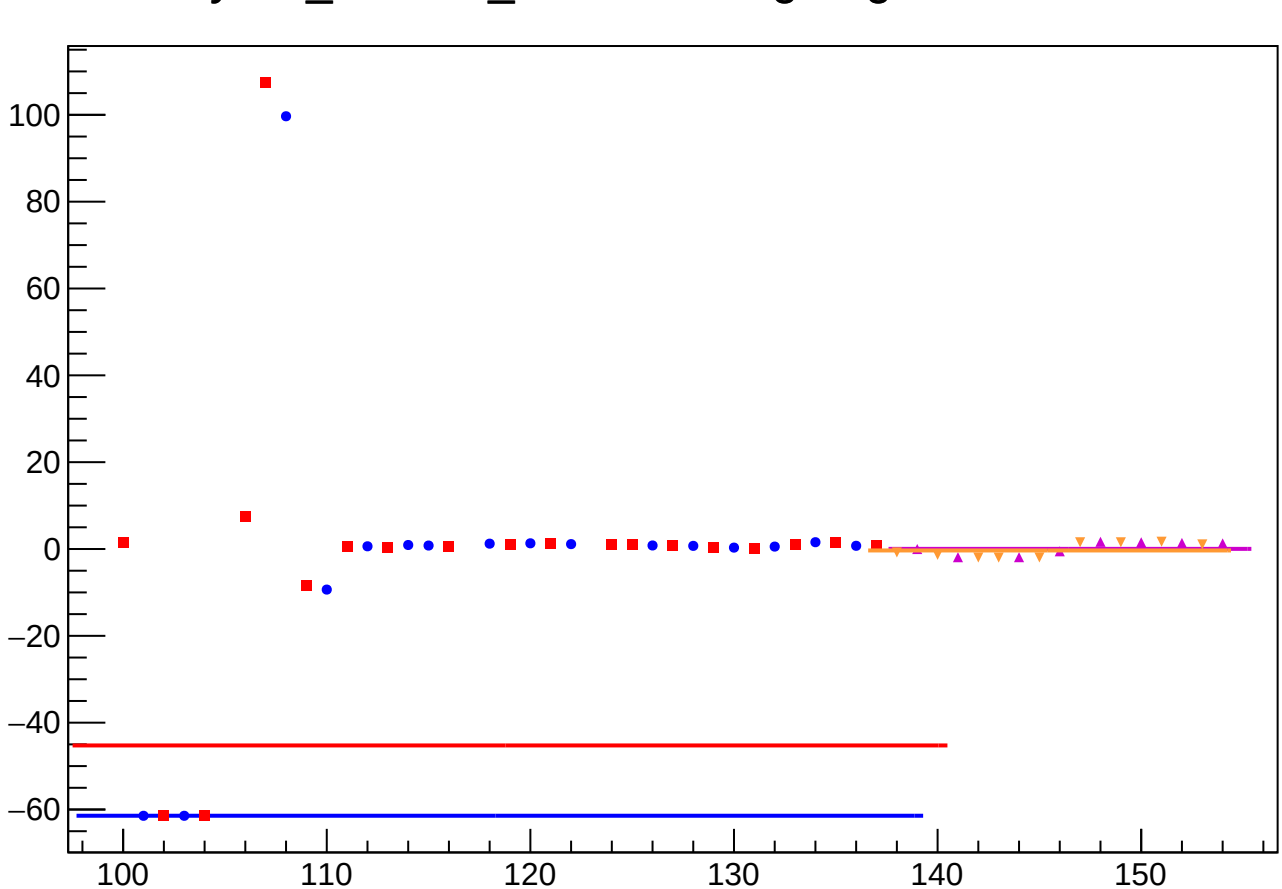
Left: 0.354+/-0.000 χ^2/NDF: 1103368.9/16

Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.400+/-0.000 χ^2/NDF:4196627.9/23

Out: 0.398+/-0.000 χ^2/NDF:4638611.3/27

All: 0.399+/-0.000 χ^2/NDF: 8835499.4/51



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: 0.032+/-0.000 χ^2/NDF:58954295.0/7

Left: -0.160+/-0.000 χ^2/NDF: 131815409.7/16

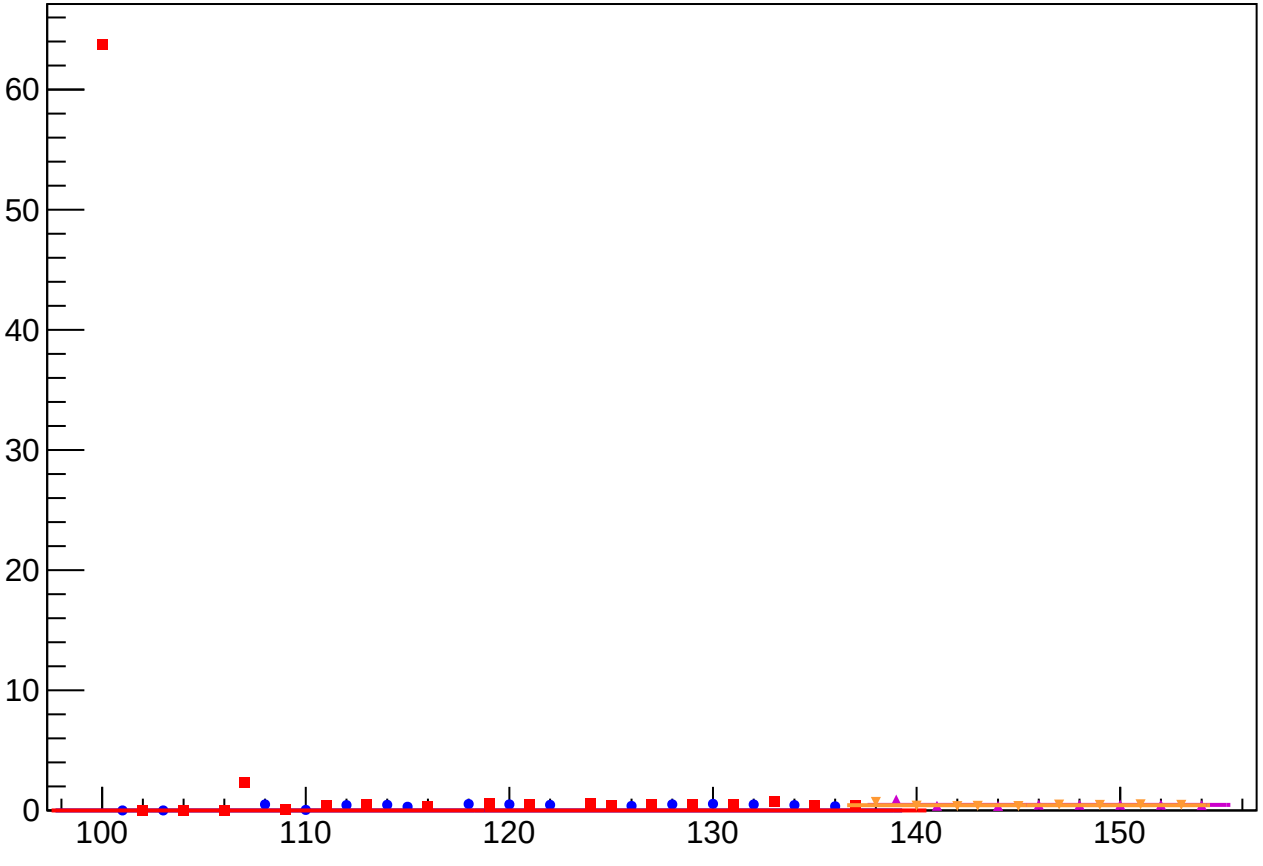
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.432+/-0.000 χ^2/NDF:369118854871.6/23

Out: -45.242+/-0.000 χ^2/NDF:357926342902101.7

All: -52.746+/-0.000 χ^2/NDF: 409268709701

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: 0.464+/-0.000 χ^2/NDF:522620.6/7

Left: 0.450+/-0.000 χ^2/NDF: 898846.8/16

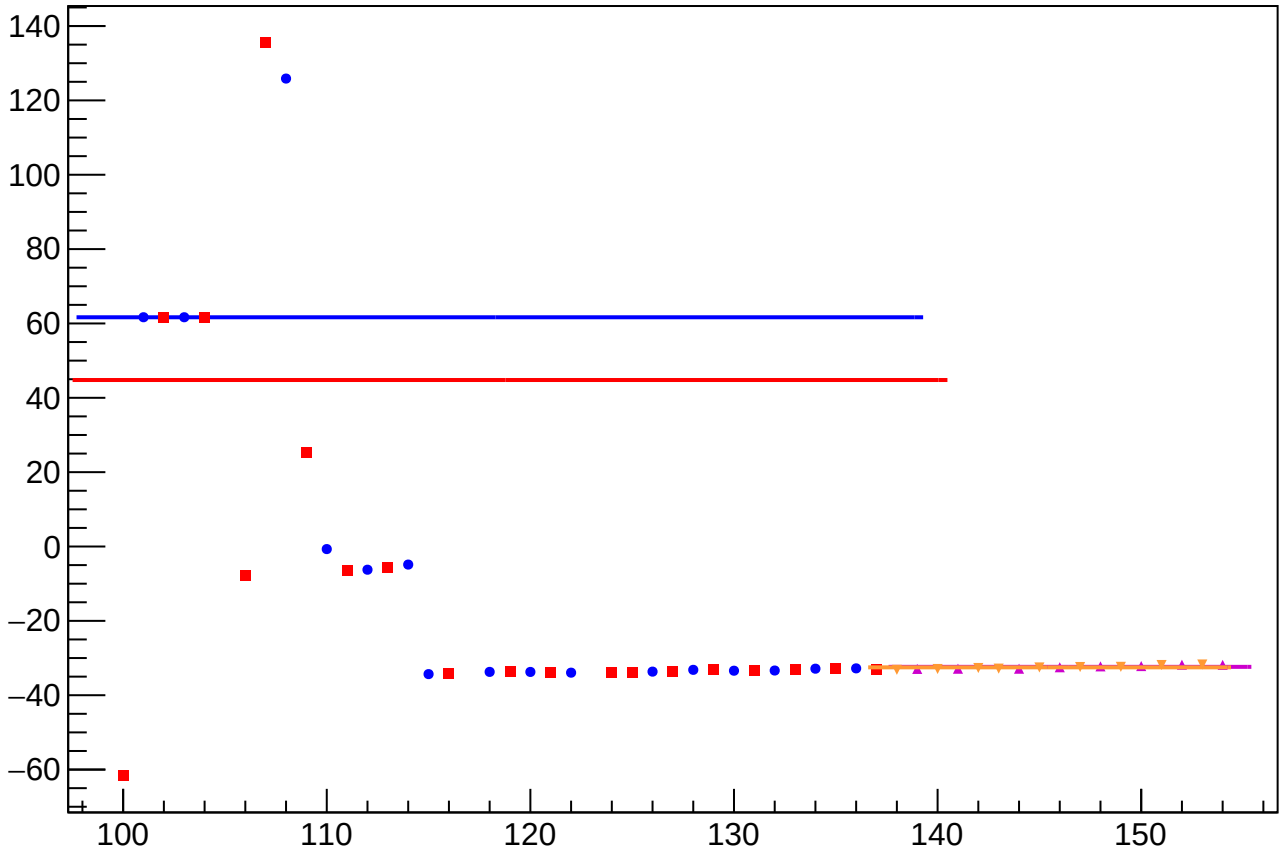
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:20480009.9/23

Out: 0.001+/-0.000 χ^2/NDF:20234951.0/27

All: 0.001+/-0.000 χ^2/NDF: 40714974.1/51

yield_cav4dY_mean vs Slug, Sign Corrected



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: 366094778229951.8/18

Left In: -32.370+/-0.000 χ^2/NDF:15326786.9/7

Left: -32.436+/-0.000 χ^2/NDF: 30430607.3/16

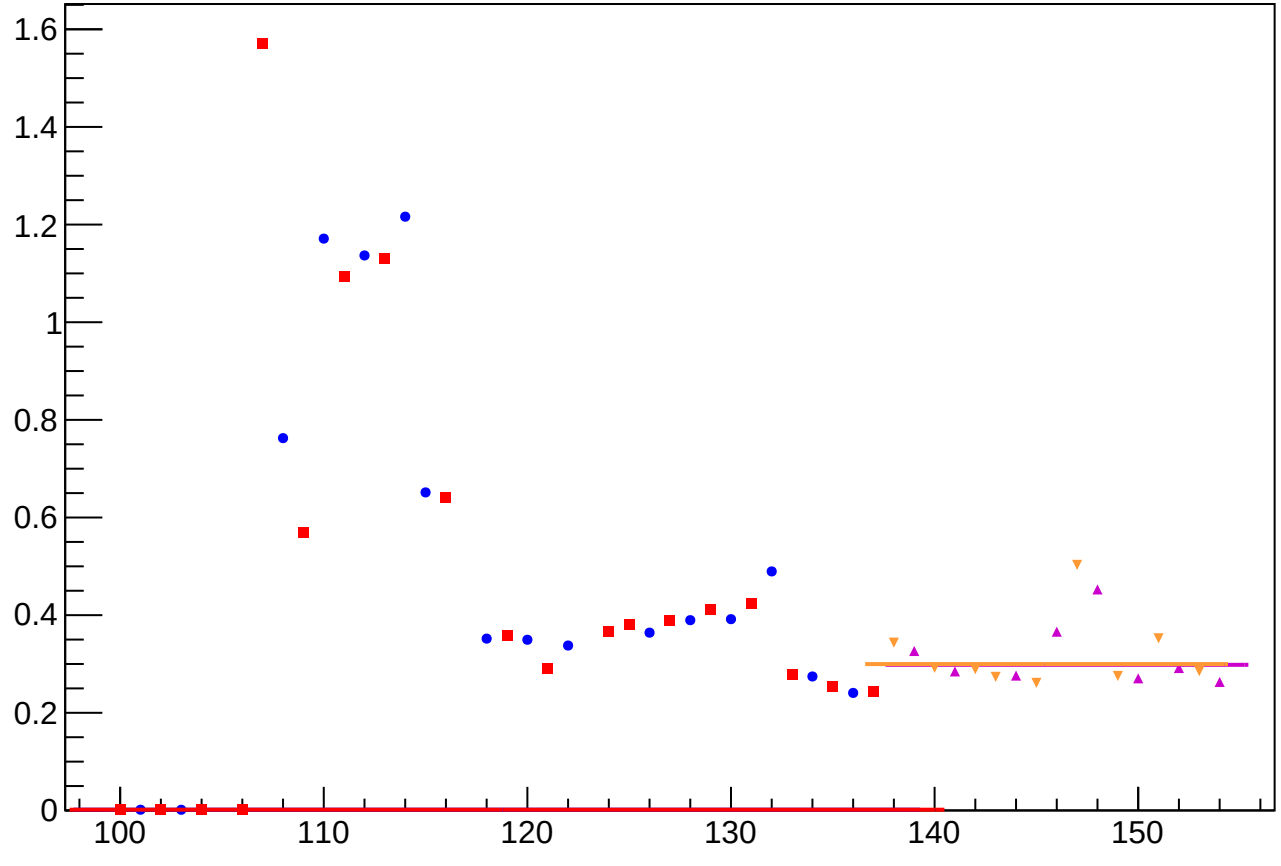
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.641+/-0.000 χ^2/NDF:1022729705539.3/23

Out: 44.771+/-0.000 χ^2/NDF:366528509120248.6

All: 52.671+/-0.000 χ^2/NDF: 4186295845702

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: 0.298+/-0.000 χ^2/NDF:317440.5/7

Left: 0.299+/-0.000 χ^2/NDF: 705322.8/16

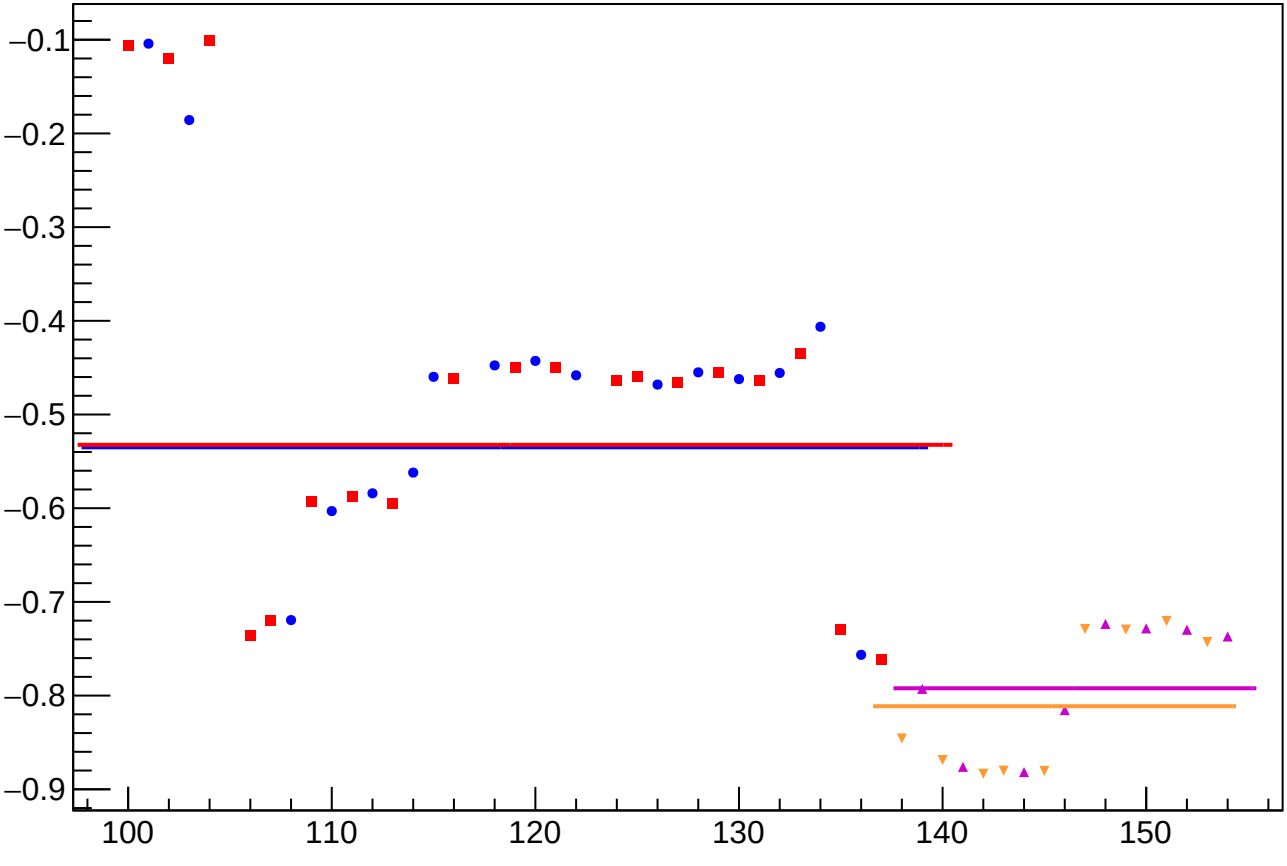
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:24355992.2/23

Out: 0.002+/-0.000 χ^2/NDF:23863380.9/27

All: 0.002+/-0.000 χ^2/NDF: 48219412.1/51

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: -0.792+/-0.000 χ^2/NDF:61678959.2/7

Left: -0.802+/-0.000 χ^2/NDF: 141688979.2/16

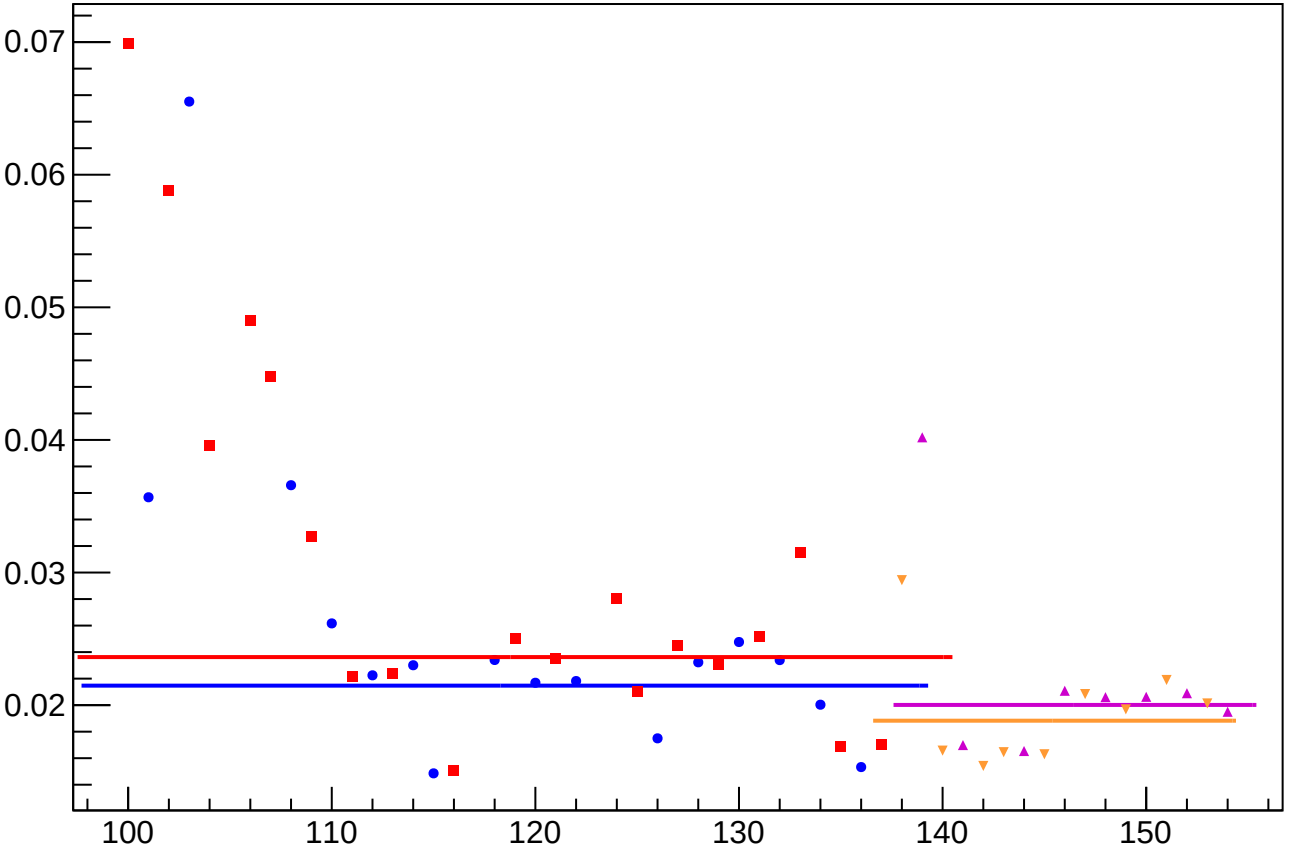
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.673+/-0.000 χ^2/NDF:775997375.9/23

Out: -0.699+/-0.000 χ^2/NDF:756955523.2/27

All: -0.686+/-0.000 χ^2/NDF: 1541388025.0/5

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:530083.6/7

Left: 0.019+/-0.000 χ^2/NDF: 868669.5/16

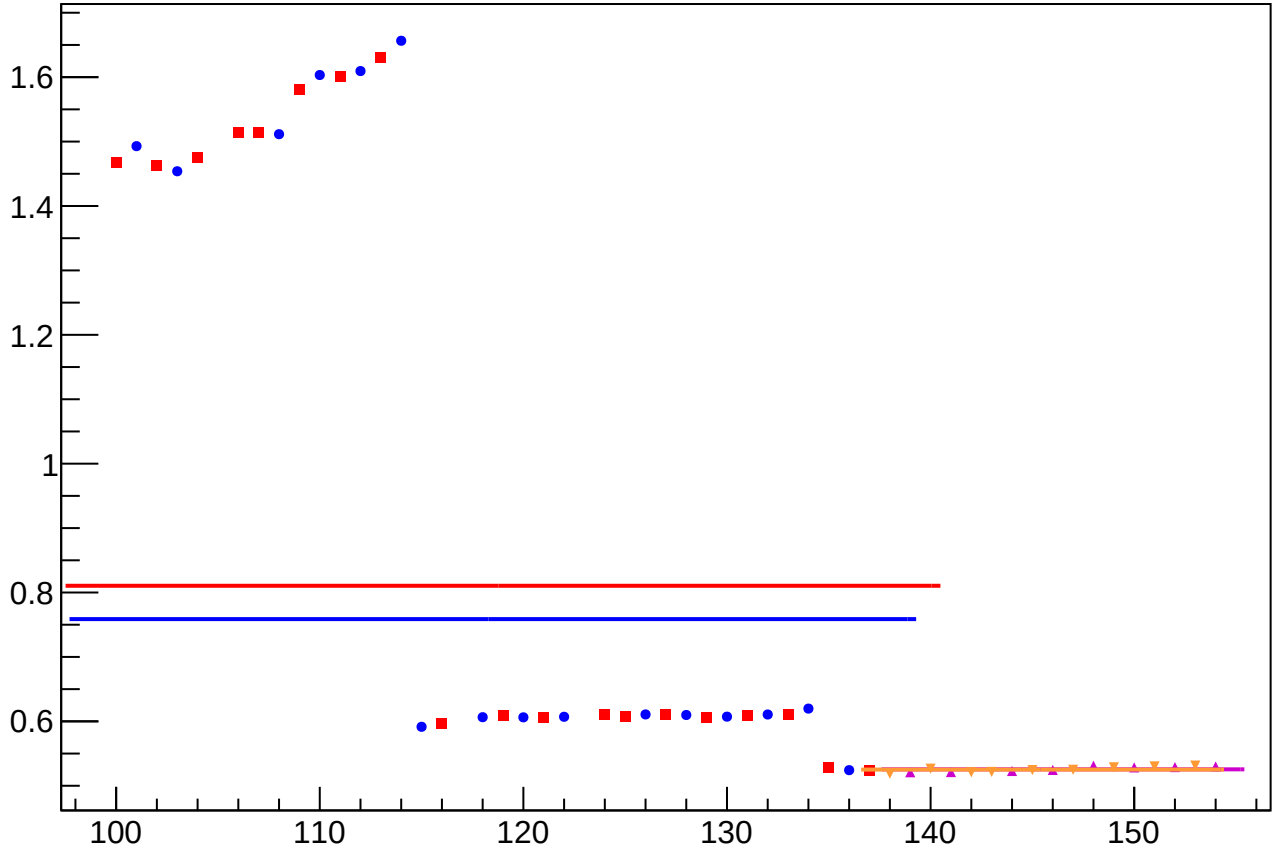
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1710537.1/23

Out: 0.021+/-0.000 χ^2/NDF:1870978.0/27

All: 0.021+/-0.000 χ^2/NDF: 3581626.2/51

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:607229.5/7

Left: 0.525+/-0.000 χ^2/NDF: 1341437.3/16

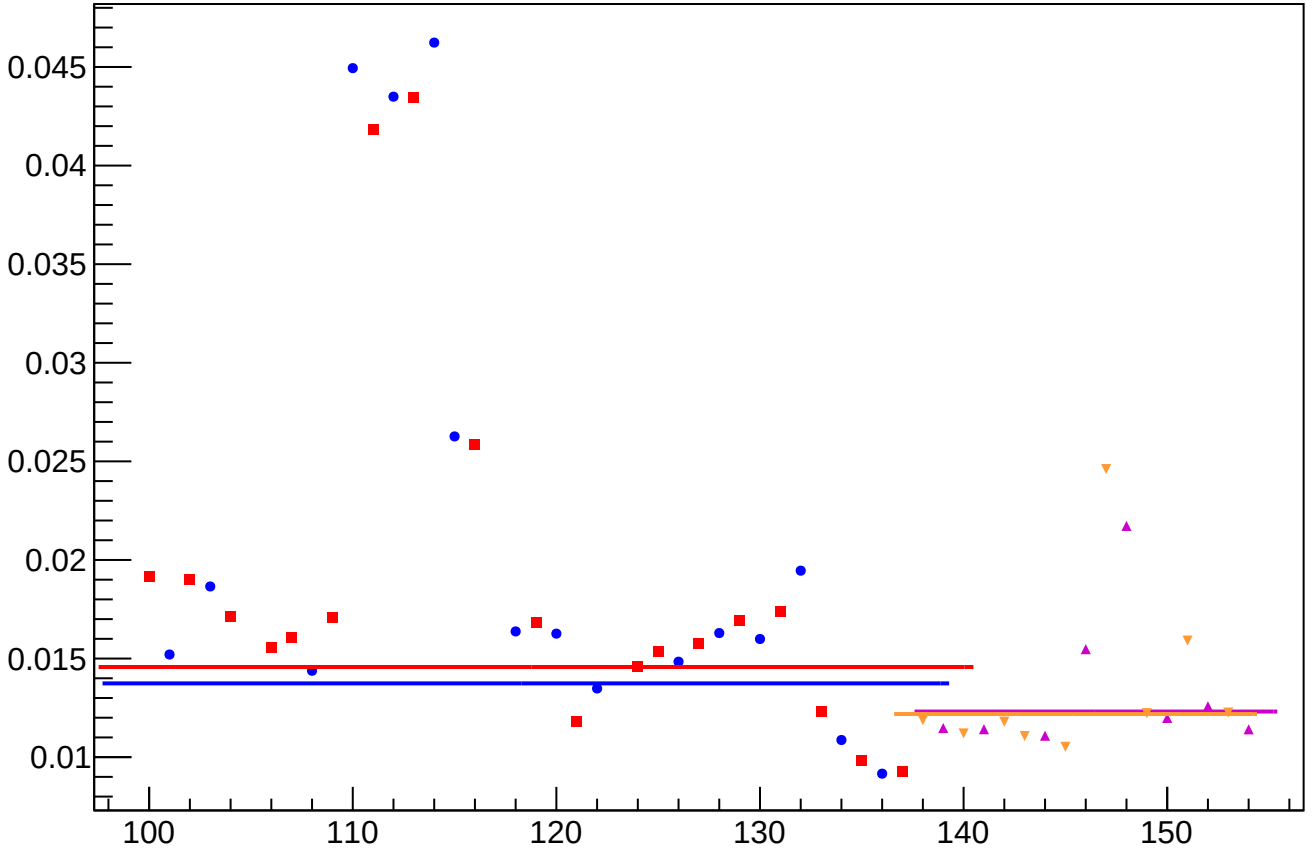
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.624+/-0.000 χ^2/NDF:5294749708.2/23

Out: 0.640+/-0.000 χ^2/NDF:6197496180.4/27

All: 0.632+/-0.000 χ^2/NDF: 11501797647.4/5

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:415353.3/7

Left: 0.012+/-0.000 χ^2/NDF: 975057.4/16

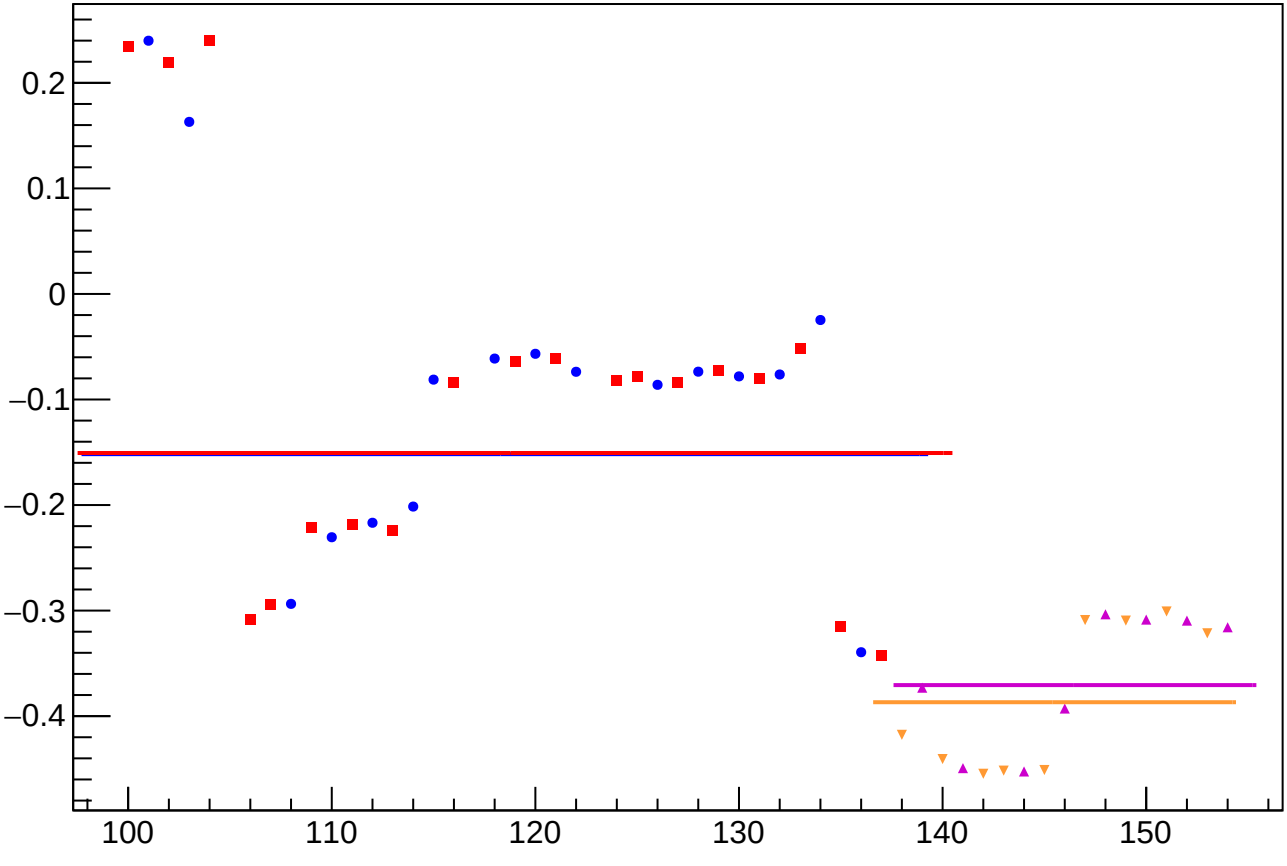
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2139326.2/23

Out: 0.013+/-0.000 χ^2/NDF:2213445.7/27

All: 0.013+/-0.000 χ^2/NDF: 4356737.3/51

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: -0.371+/-0.000 χ^2/NDF:62439721.3/7

Left: -0.379+/-0.000 χ^2/NDF: 140507604.5/16

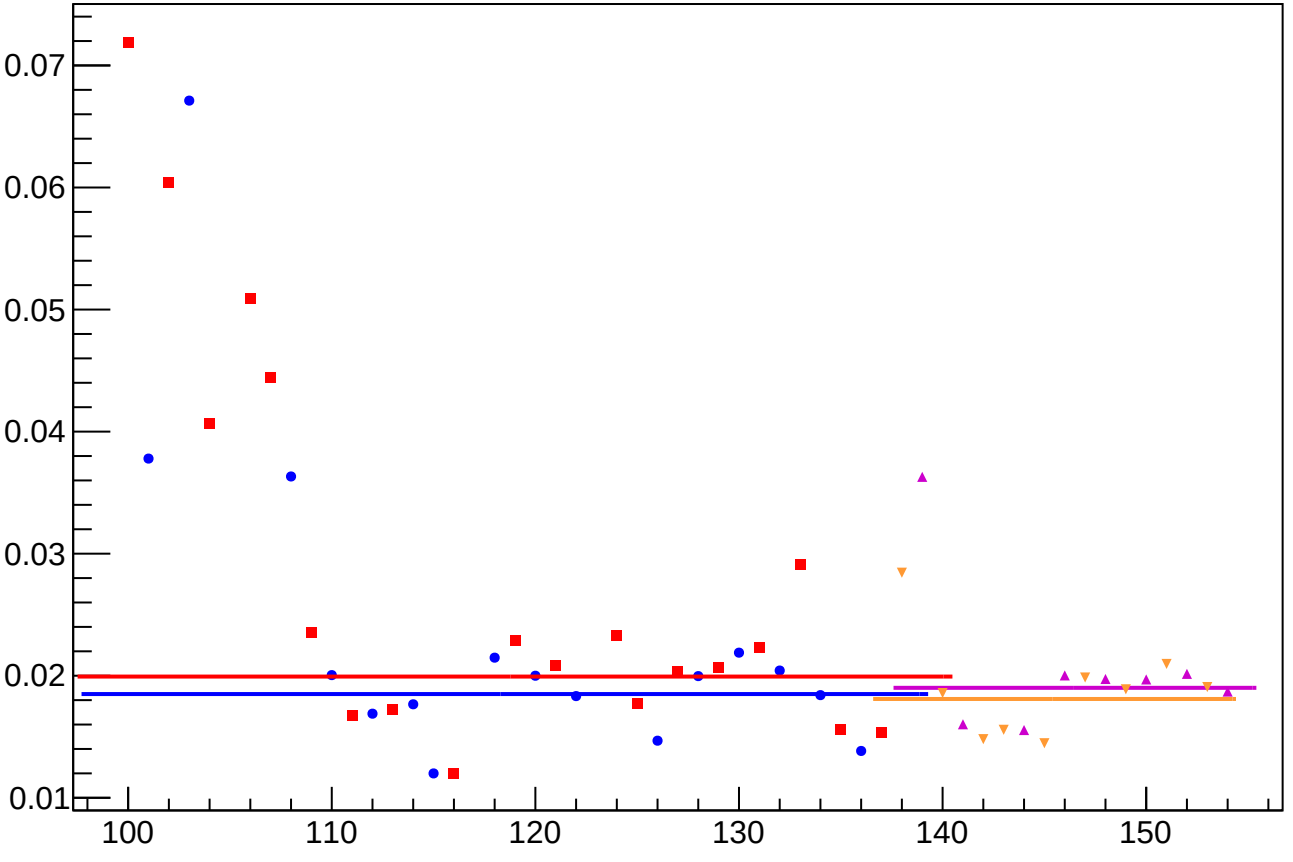
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.260+/-0.000 χ^2/NDF:704730027.1/23

Out: -0.279+/-0.000 χ^2/NDF:691043961.8/27

All: -0.270+/-0.000 χ^2/NDF: 1401200754.1/5

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:502775.4/7

Left: 0.019+/-0.000 χ^2/NDF: 869610.4/16

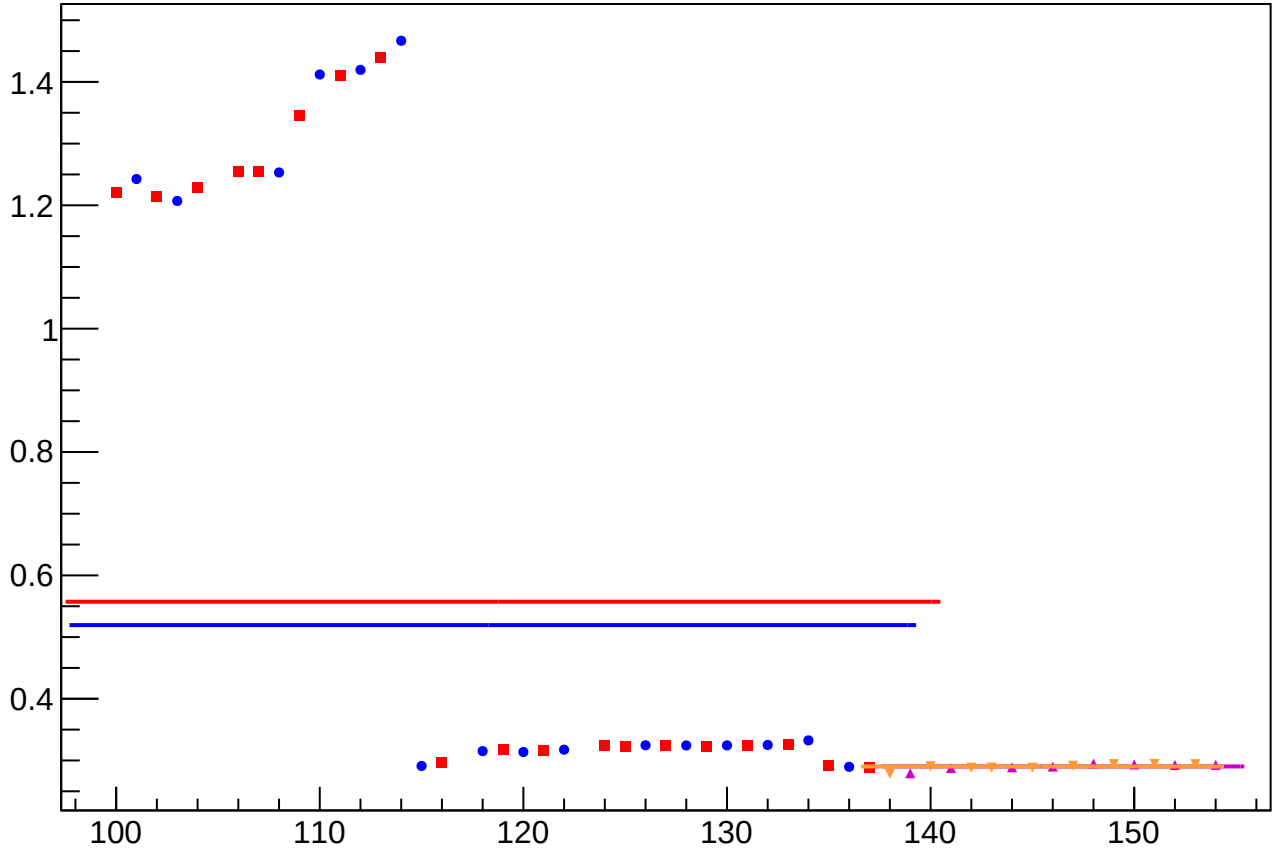
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1879116.6/23

Out: 0.019+/-0.000 χ^2/NDF:1951535.6/27

All: 0.019+/-0.000 χ^2/NDF: 3831649.2/51

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:990345.1/7

Left: 0.290+/-0.000 χ^2/NDF: 1940859.9/16

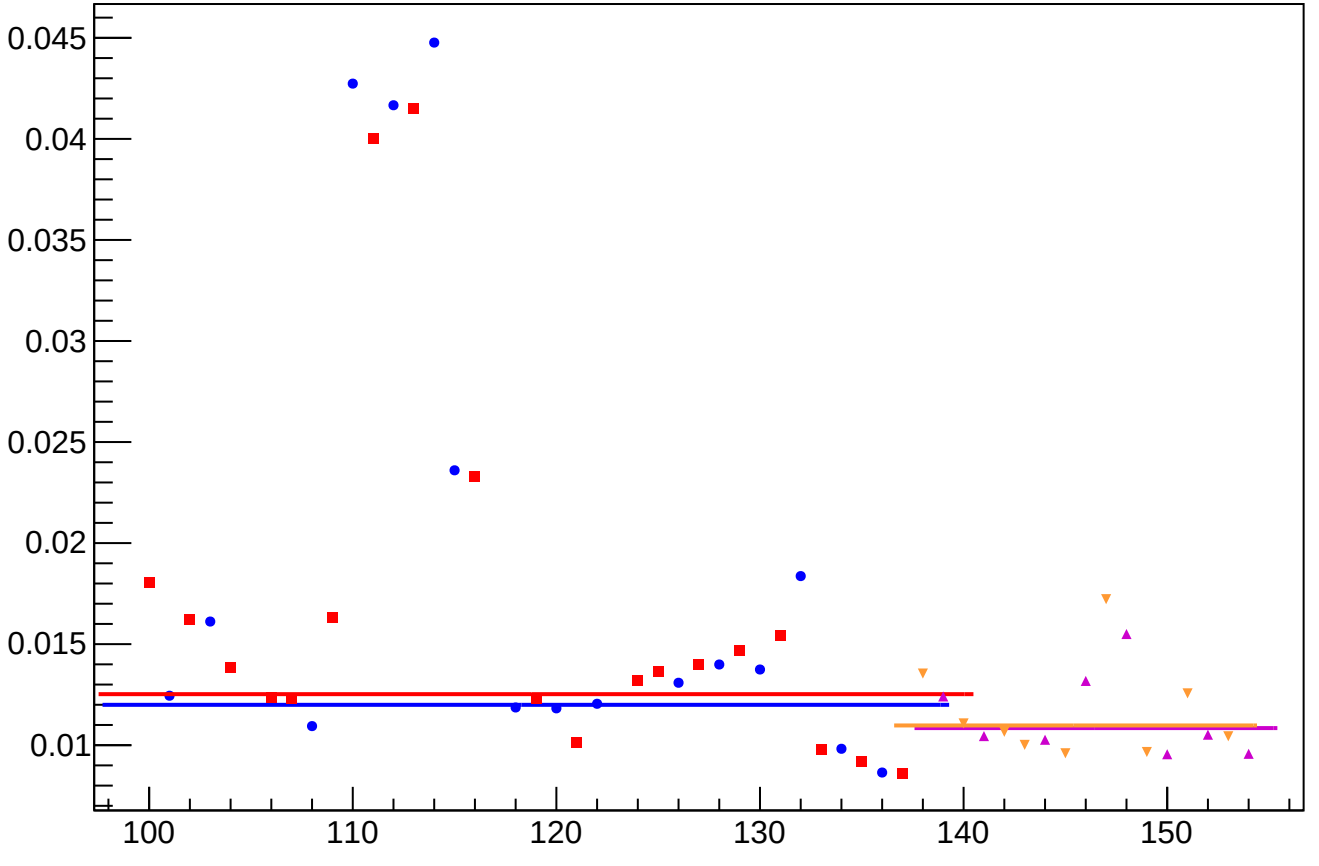
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.388+/-0.000 χ^2/NDF:7569669451.7/23

Out: 0.402+/-0.000 χ^2/NDF:8366480359.4/27

All: 0.395+/-0.000 χ^2/NDF: 15945839813.0/5

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:293773.3/7

Left: 0.011+/-0.000 χ^2/NDF: 665975.7/16

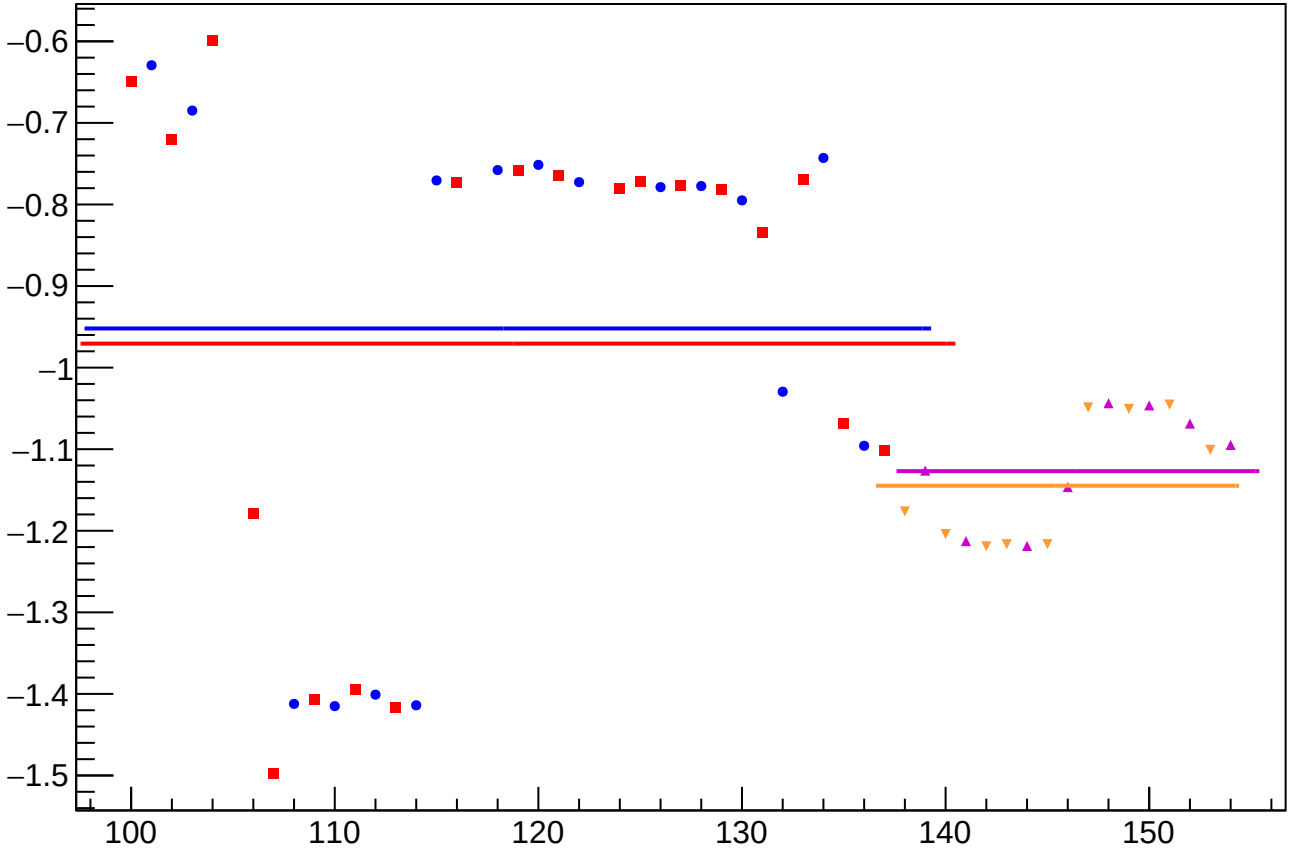
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1848437.7/23

Out: 0.012+/-0.000 χ^2/NDF:1914400.1/27

All: 0.011+/-0.000 χ^2/NDF: 3770786.1/51

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: -1.127+/-0.000 χ^2/NDF:69503972.3/7

Left: -1.136+/-0.000 χ^2/NDF: 161307465.9/16

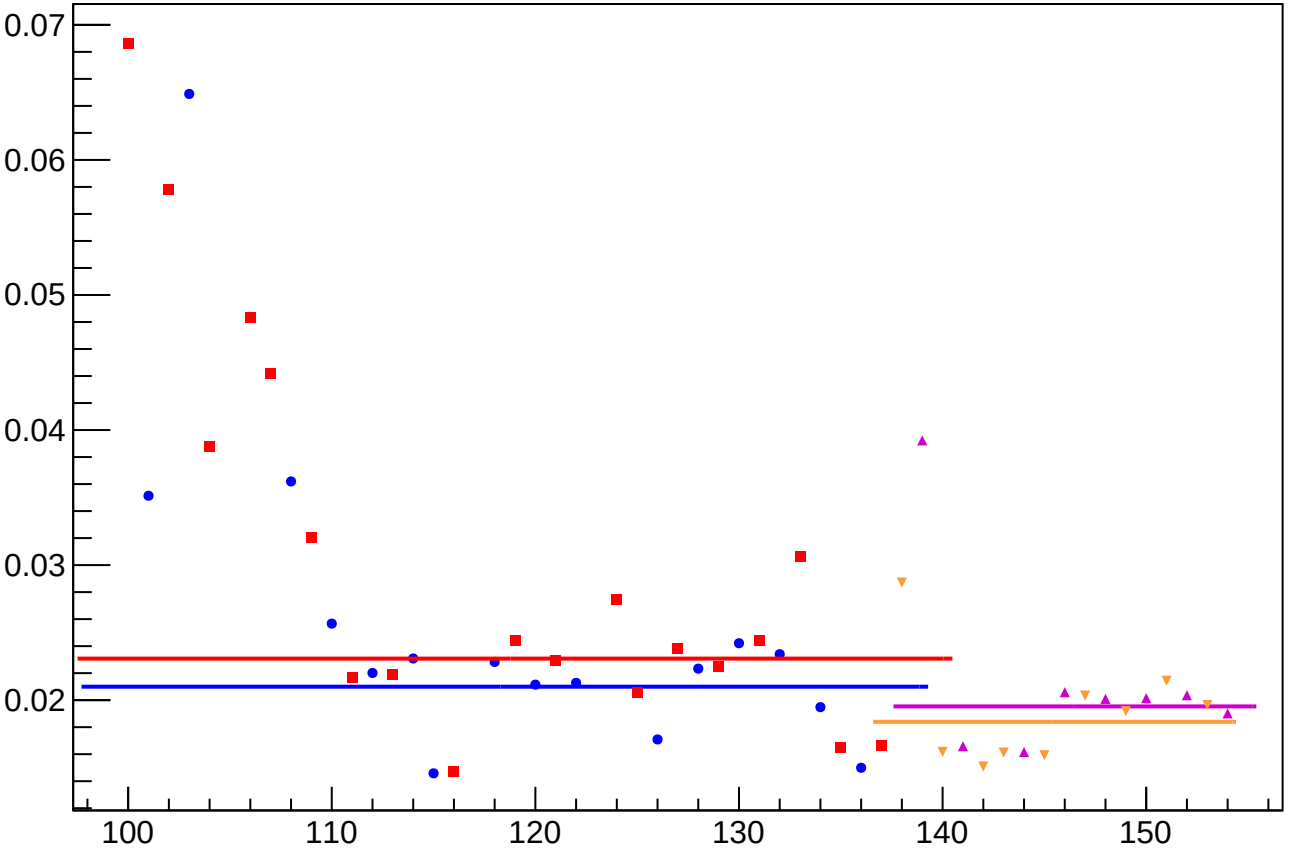
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.046+/-0.000 χ^2/NDF:969190546.7/23

Out: -1.075+/-0.000 χ^2/NDF:993692268.9/27

All: -1.061+/-0.000 χ^2/NDF: 1973624860.5/5

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:529092.7/7

Left: 0.019+/-0.000 χ^2/NDF: 865054.0/16

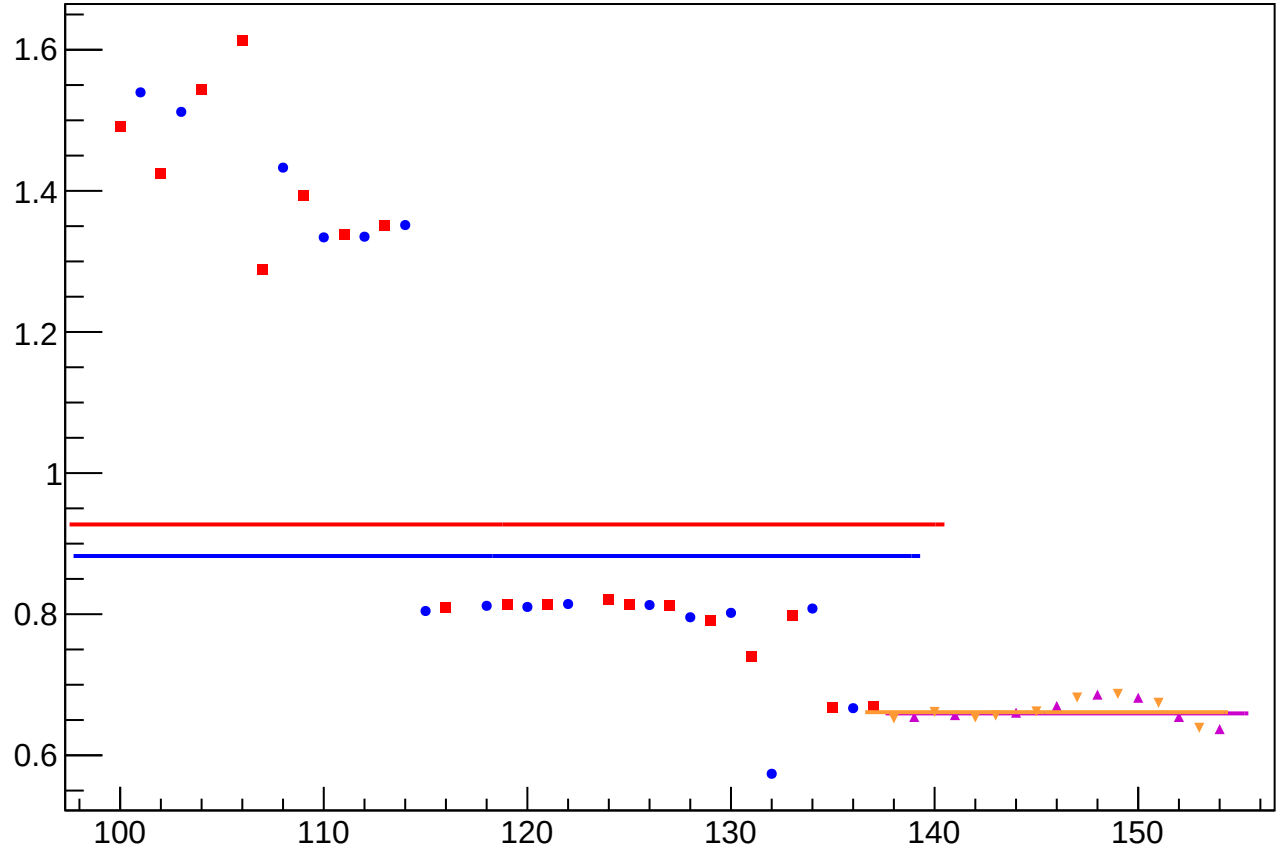
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1723994.1/23

Out: 0.020+/-0.000 χ^2/NDF:1872022.1/27

All: 0.020+/-0.000 χ^2/NDF: 3596118.0/51

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: 0.659+/-0.000 χ^2/NDF:8211786.6/7

Left: 0.660+/-0.000 χ^2/NDF: 16466758.1/16

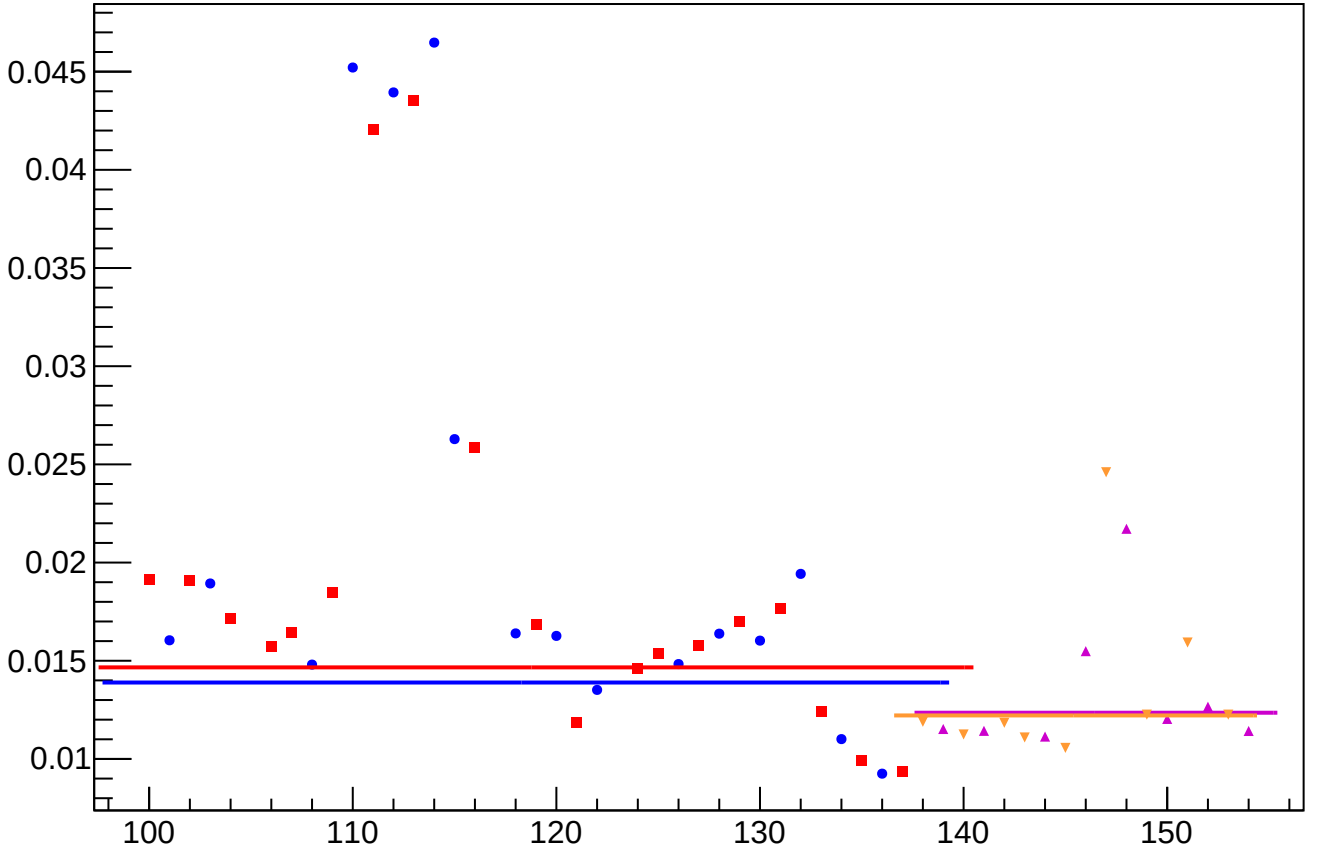
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.753+/-0.000 χ^2/NDF:3681935857.6/23

Out: 0.768+/-0.000 χ^2/NDF:3997356851.7/27

All: 0.760+/-0.000 χ^2/NDF: 7687382627.9/51

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: 0.012+/-0.000 χ^2/NDF:411829.0/7

Left: 0.012+/-0.000 χ^2/NDF: 967233.6/16

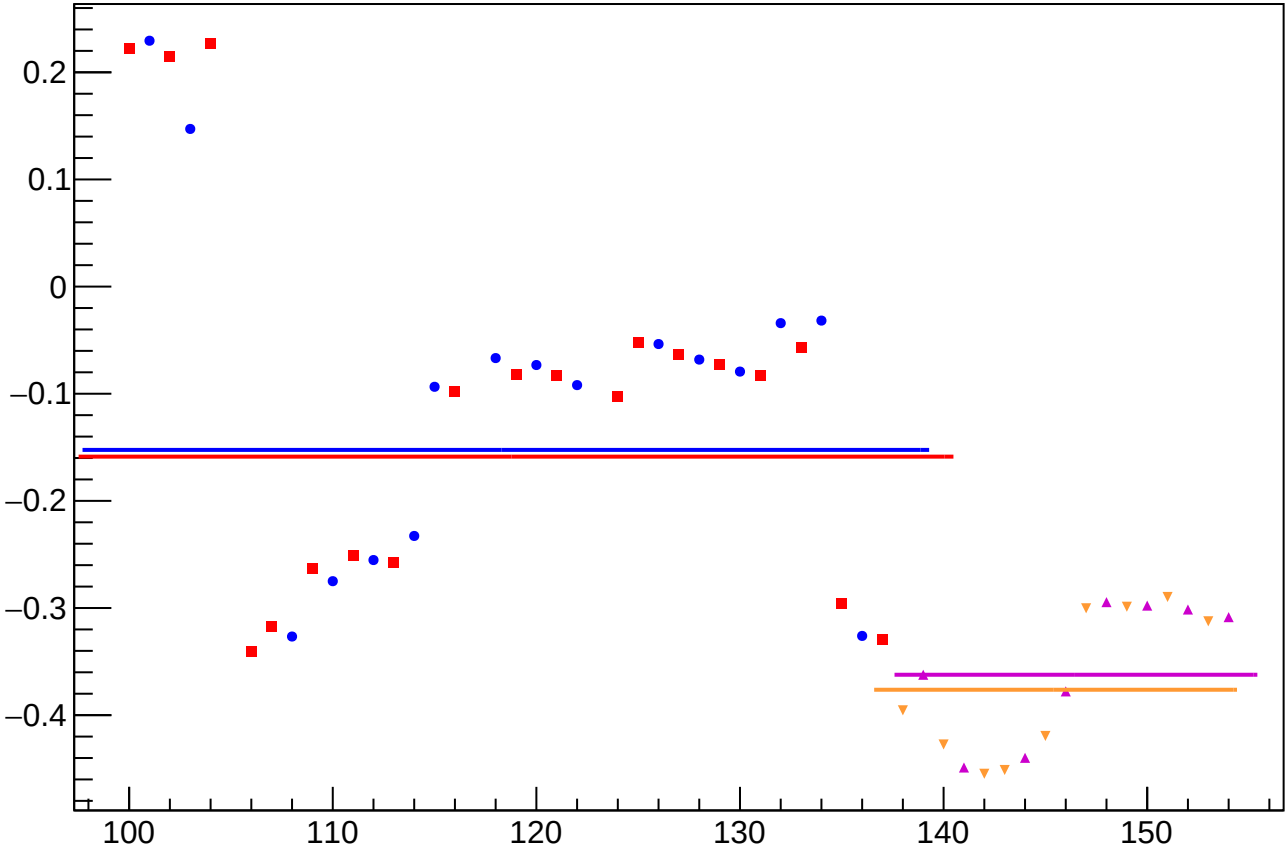
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2143100.9/23

Out: 0.013+/-0.000 χ^2/NDF:2229004.9/27

All: 0.013+/-0.000 χ^2/NDF: 4374961.7/51

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: -0.362+/-0.000 χ^2/NDF:62903759.0/7

Left: -0.370+/-0.000 χ^2/NDF: 137416365.1/16

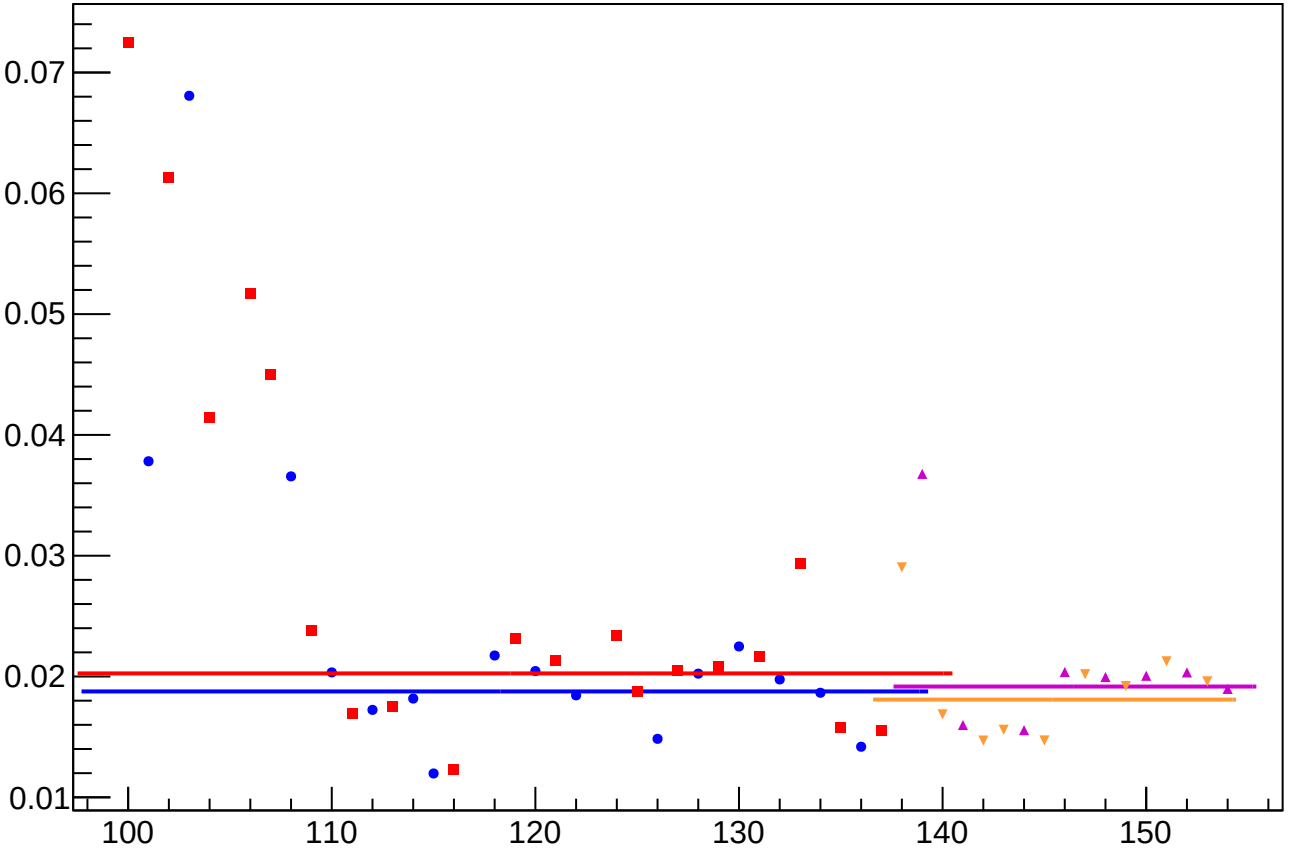
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.257+/-0.000 χ^2/NDF:665750948.6/23

Out: -0.278+/-0.000 χ^2/NDF:614216150.0/27

All: -0.268+/-0.000 χ^2/NDF: 1286888790.1/5

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:520212.8/7

Left: 0.019+/-0.000 χ^2/NDF: 918722.3/16

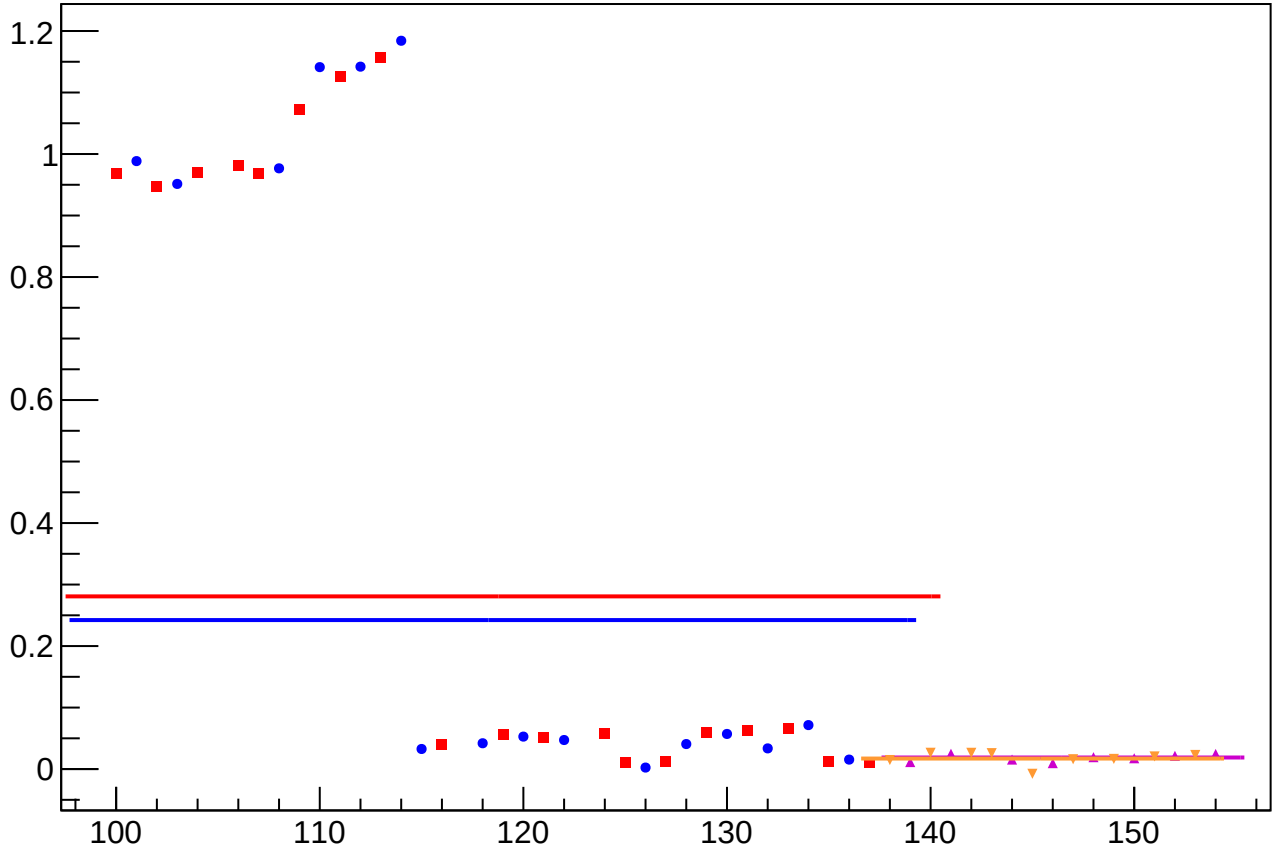
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1872073.4/23

Out: 0.019+/-0.000 χ^2/NDF:1978660.7/27

All: 0.019+/-0.000 χ^2/NDF: 3851015.1/51

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: 0.019+/-0.000 χ^2/NDF:1499587.5/7

Left: 0.018+/-0.000 χ^2/NDF: 8758112.6/16

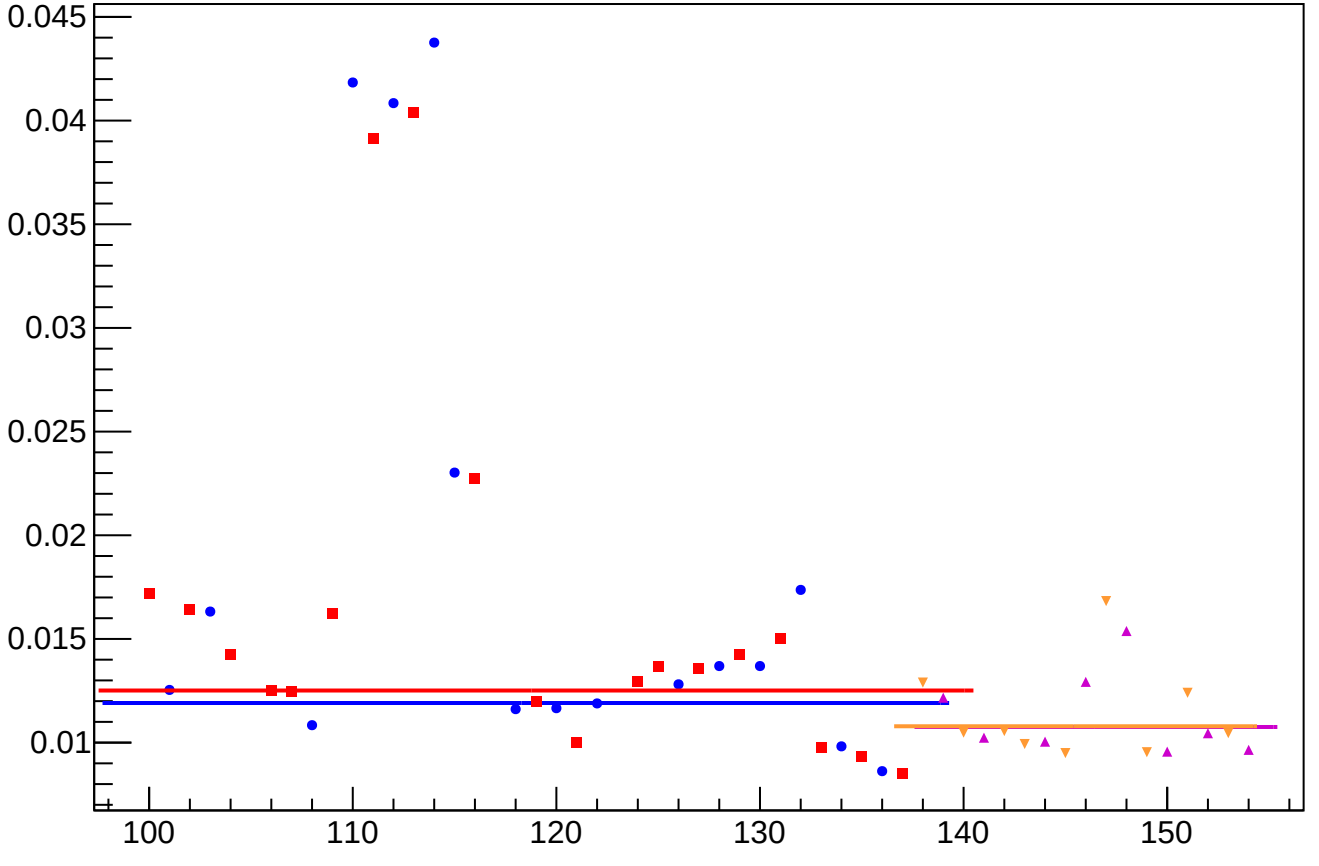
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.114+/-0.000 χ^2/NDF:7718025263.8/23

Out: 0.125+/-0.000 χ^2/NDF:8369612498.4/27

All: 0.119+/-0.000 χ^2/NDF: 16094240499.4/5

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:277420.0/7

Left: 0.011+/-0.000 χ^2/NDF: 622161.3/16

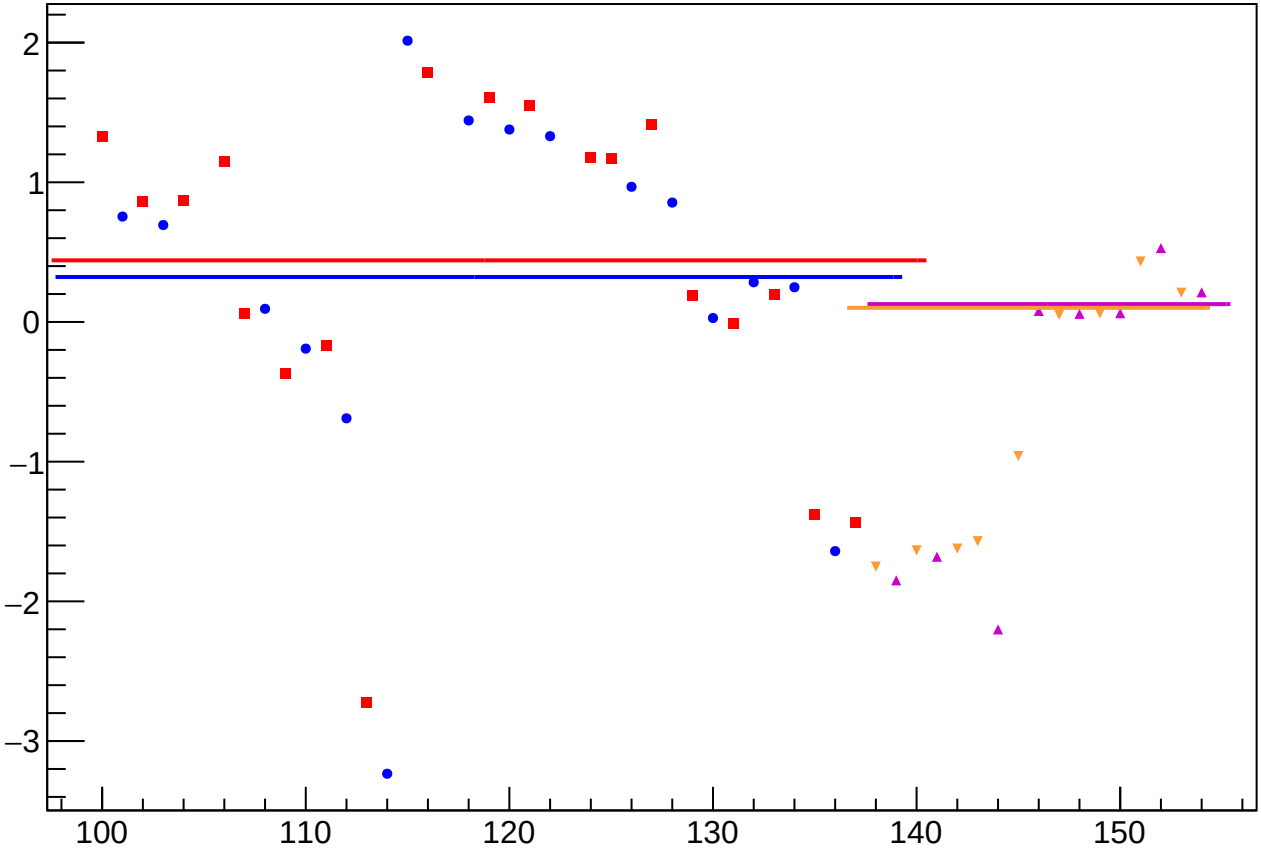
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1801711.3/23

Out: 0.011+/-0.000 χ^2/NDF:1874448.0/27

All: 0.011+/-0.000 χ^2/NDF: 3682315.0/51

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: 0.128+/-0.000 χ^2/NDF:2307689677.6/7

Left: 0.116+/-0.000 χ^2/NDF: 3878711238.3/16

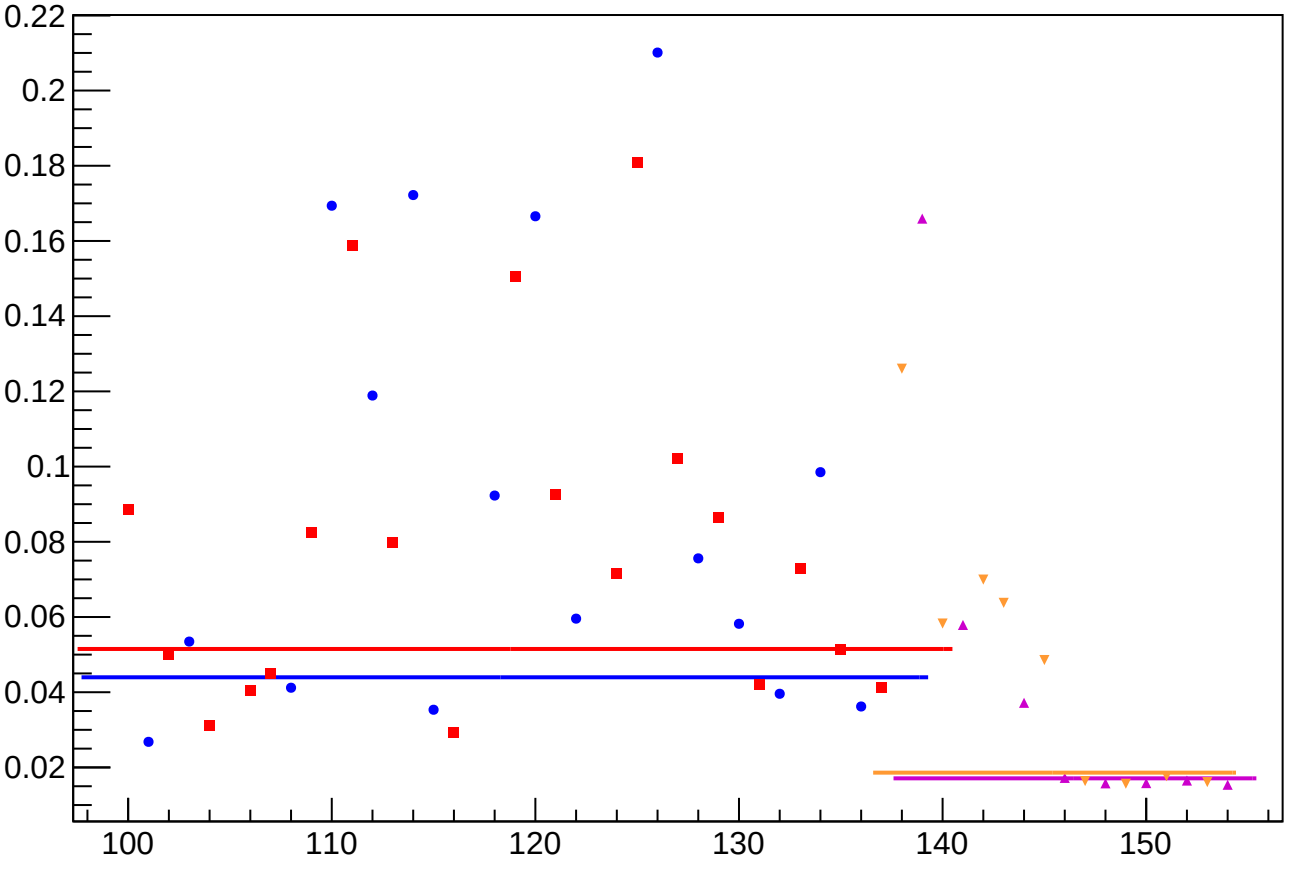
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.151+/-0.000 χ^2/NDF:4038450490.1/23

Out: 0.144+/-0.000 χ^2/NDF:3529237856.0/27

All: 0.148+/-0.000 χ^2/NDF: 7568030730.6/51

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: 0.017+/-0.000 χ^2/NDF:1949342.4/7

Left: 0.018+/-0.000 χ^2/NDF: 4608876.1/16

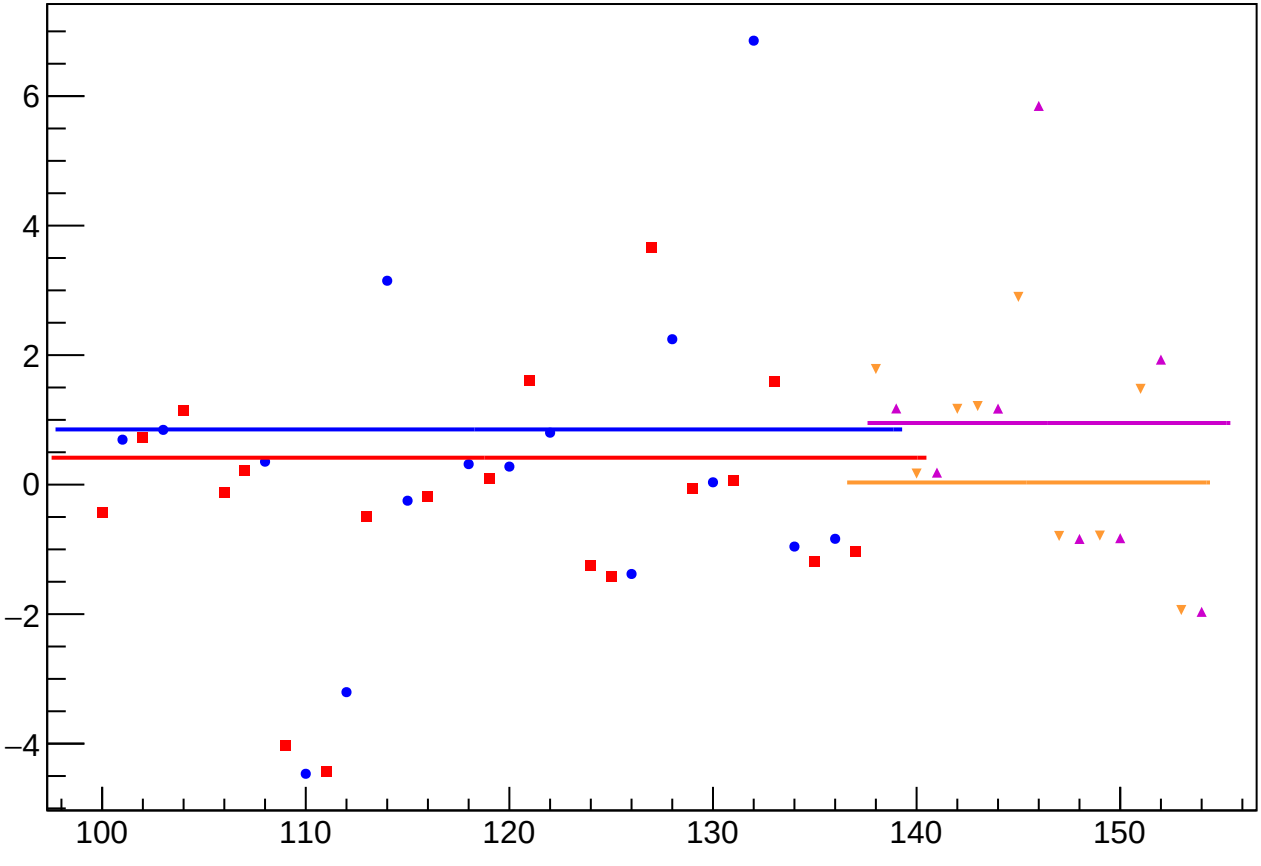
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.020+/-0.000 χ^2/NDF:7261059.9/23

Out: 0.023+/-0.000 χ^2/NDF:8109639.7/27

All: 0.021+/-0.000 χ^2/NDF: 15458602.0/51

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: 0.952+/-0.000 χ^2/NDF:174359234788.7/7

Left: 0.553+/-0.000 χ^2/NDF: 237484169767.5/16

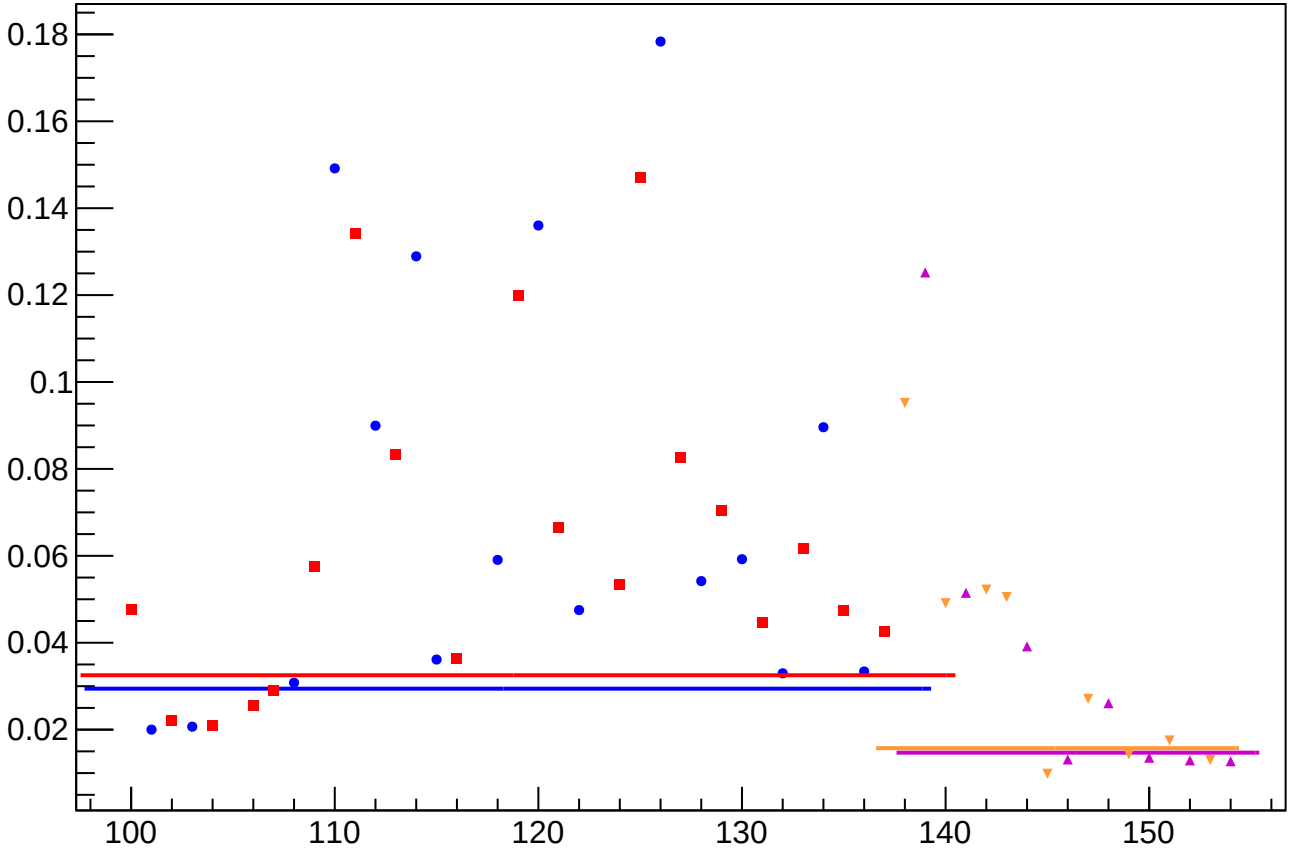
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.935+/-0.000 χ^2/NDF:185970277986.6/23

Out: 0.107+/-0.000 χ^2/NDF:60945814370.3/27

All: 0.569+/-0.000 χ^2/NDF: 254625736887.2

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:2430429.4/7

Left: 0.015+/-0.000 χ^2/NDF: 5093732.5/16

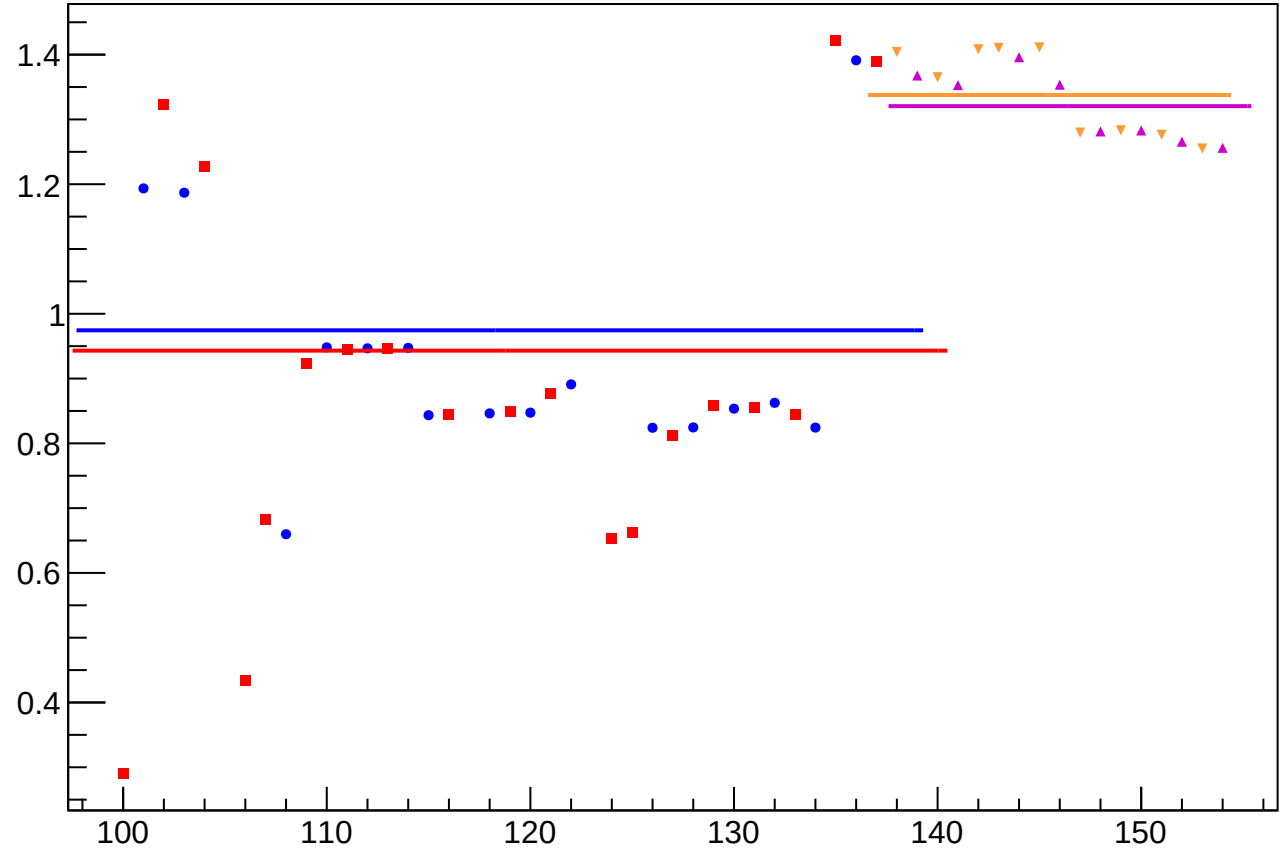
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.017+/-0.000 χ^2/NDF:7160811.8/23

Out: 0.019+/-0.000 χ^2/NDF:7730382.0/27

All: 0.018+/-0.000 χ^2/NDF: 14965426.7/51

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: 1.321+/-0.000 χ^2/NDF:90699240.3/7

Left: 1.329+/-0.000 χ^2/NDF: 250116623.9/16

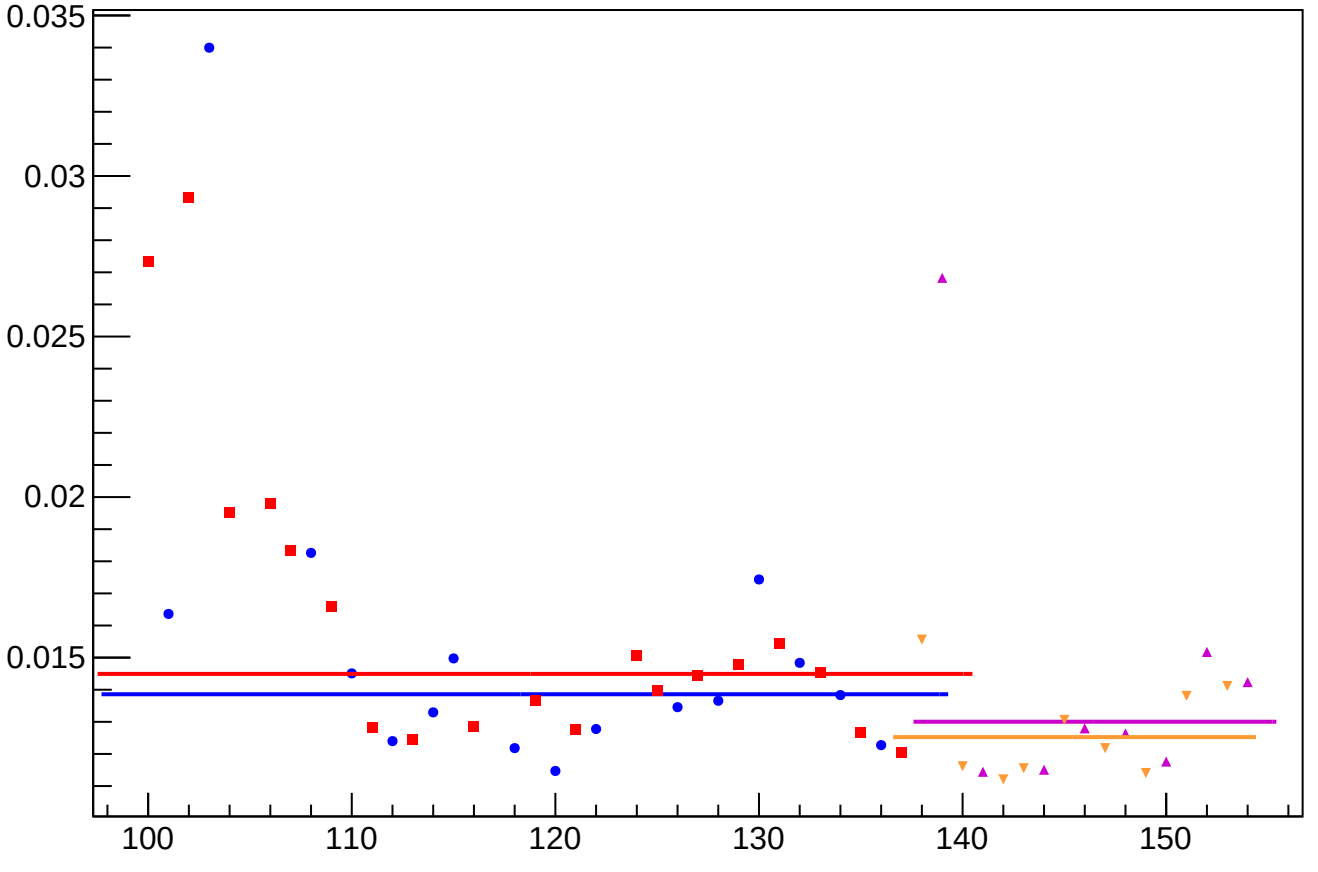
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.156+/-0.000 χ^2/NDF:3584456377.8/23

Out: 1.162+/-0.000 χ^2/NDF:4466697822.6/27

All: 1.159+/-0.000 χ^2/NDF: 8052519667.2/51

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:549161.0/7

Left: 0.013+/-0.000 χ^2/NDF: 684412.7/16

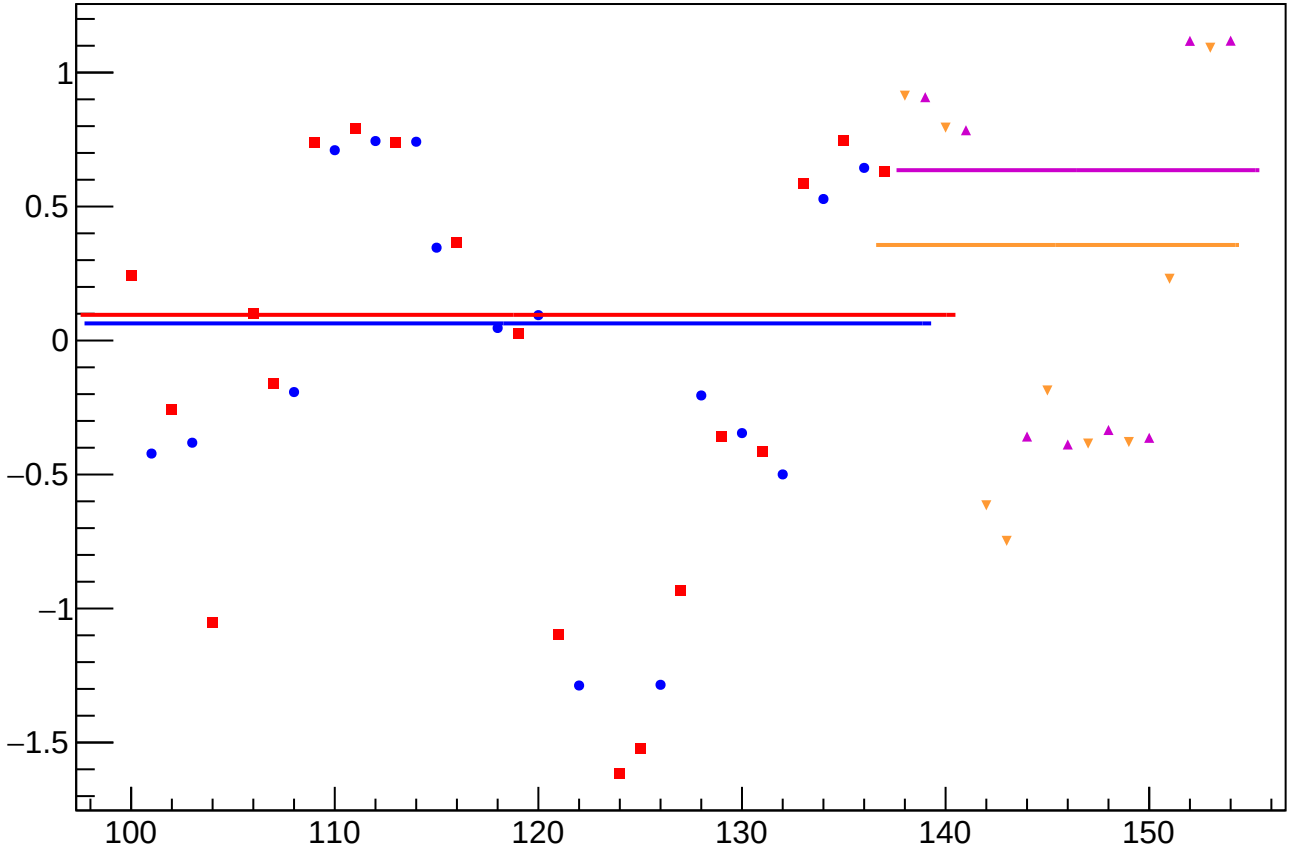
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.013+/-0.000 χ^2/NDF:1174056.3/23

Out: 0.013+/-0.000 χ^2/NDF:802655.5/27

All: 0.013+/-0.000 χ^2/NDF: 1976720.0/51

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: 0.636+/-0.000 χ^2/NDF:16398080475.6/7

Left: 0.500+/-0.000 χ^2/NDF: 40141367072.6/16

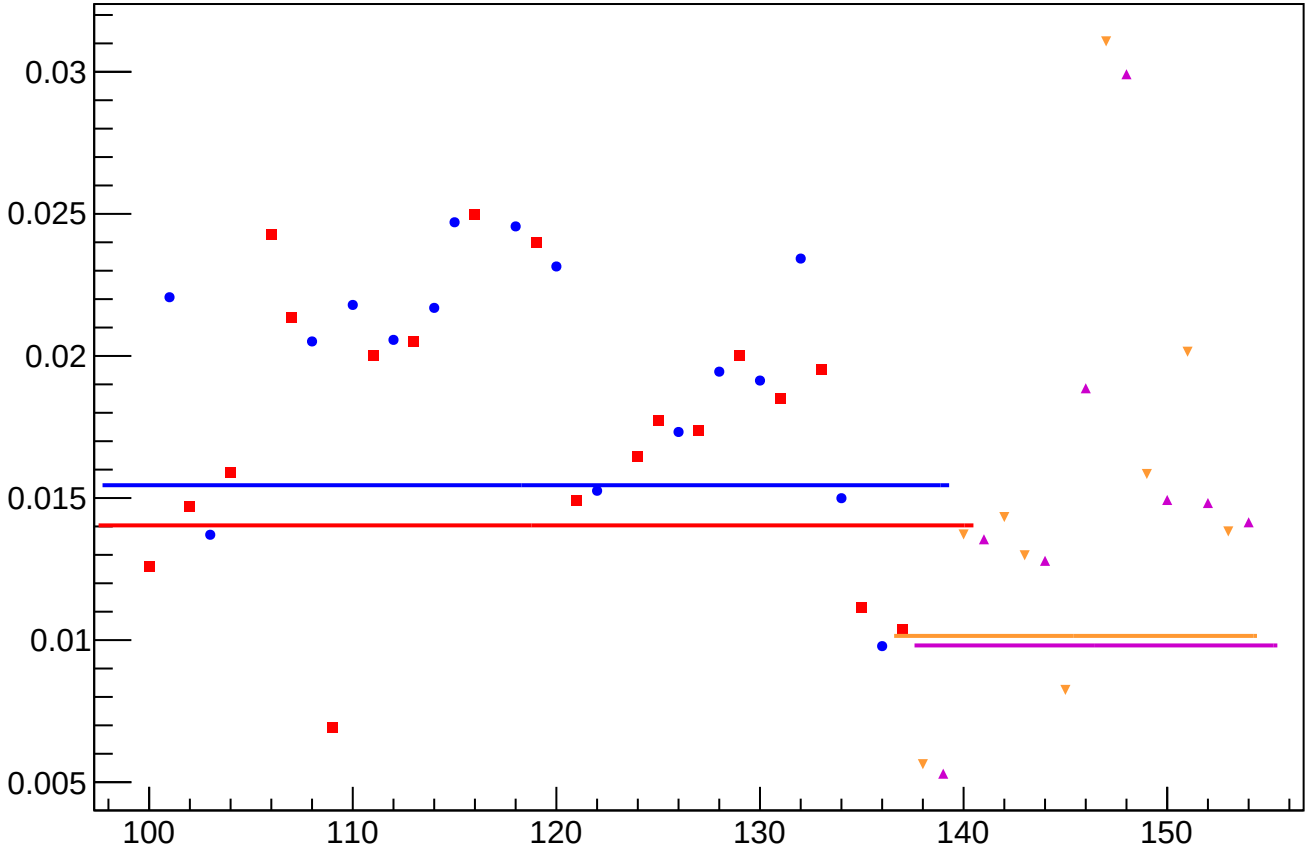
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.452+/-0.000 χ^2/NDF:33020981248.7/23

Out: 0.259+/-0.000 χ^2/NDF:40787872705.8/27

All: 0.355+/-0.000 χ^2/NDF: 75281768448.4/5

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: 0.010+/-0.000 χ^2/NDF:3002512.8/7

Left: 0.010+/-0.000 χ^2/NDF: 5535942.3/16

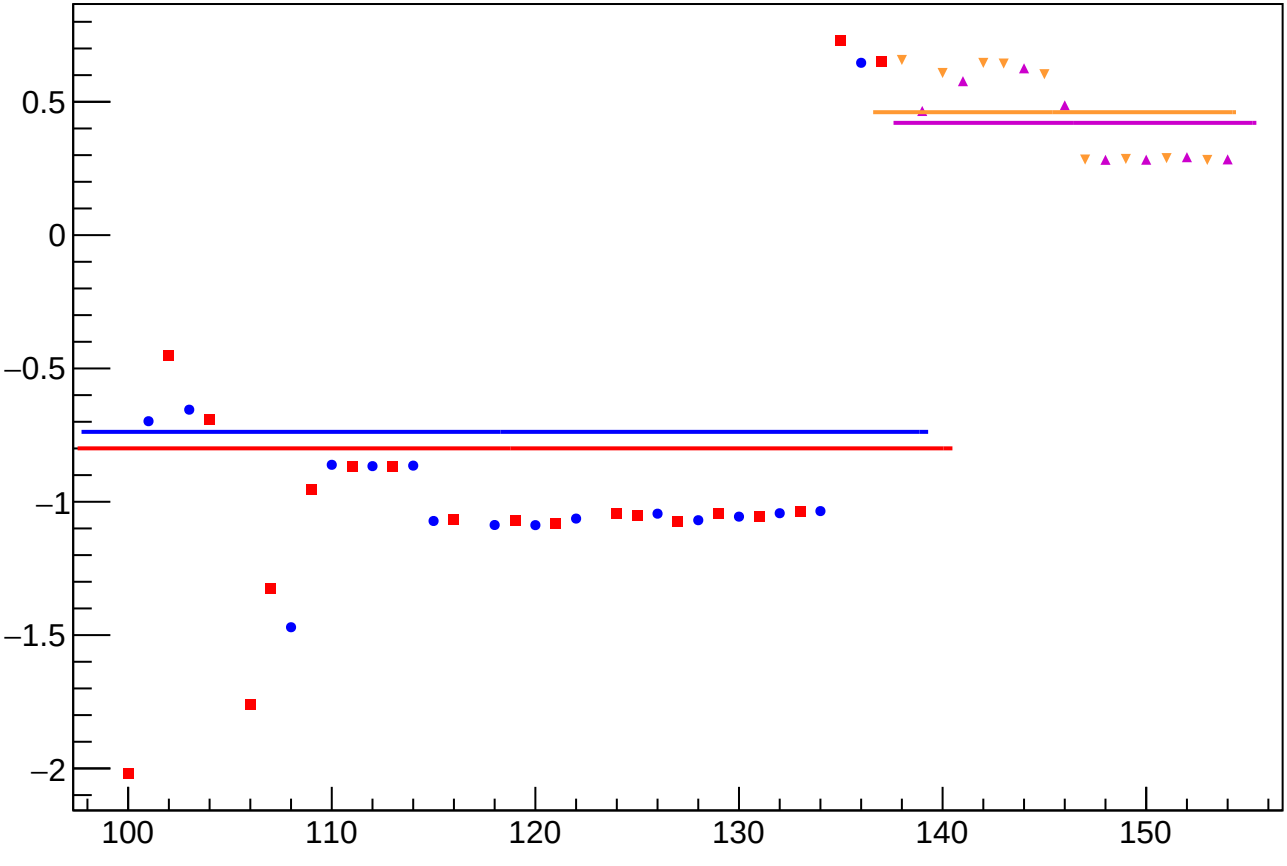
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5382982.6/23

Out: 0.012+/-0.000 χ^2/NDF:4780254.9/27

All: 0.012+/-0.000 χ^2/NDF: 10163279.4/51

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.461+/-0.000 χ^2/NDF:173059513.9/8

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.421+/-0.000 χ^2/NDF:114512936.8/7

Left: 0.442+/-0.000 χ^2/NDF: 292067518.6/16

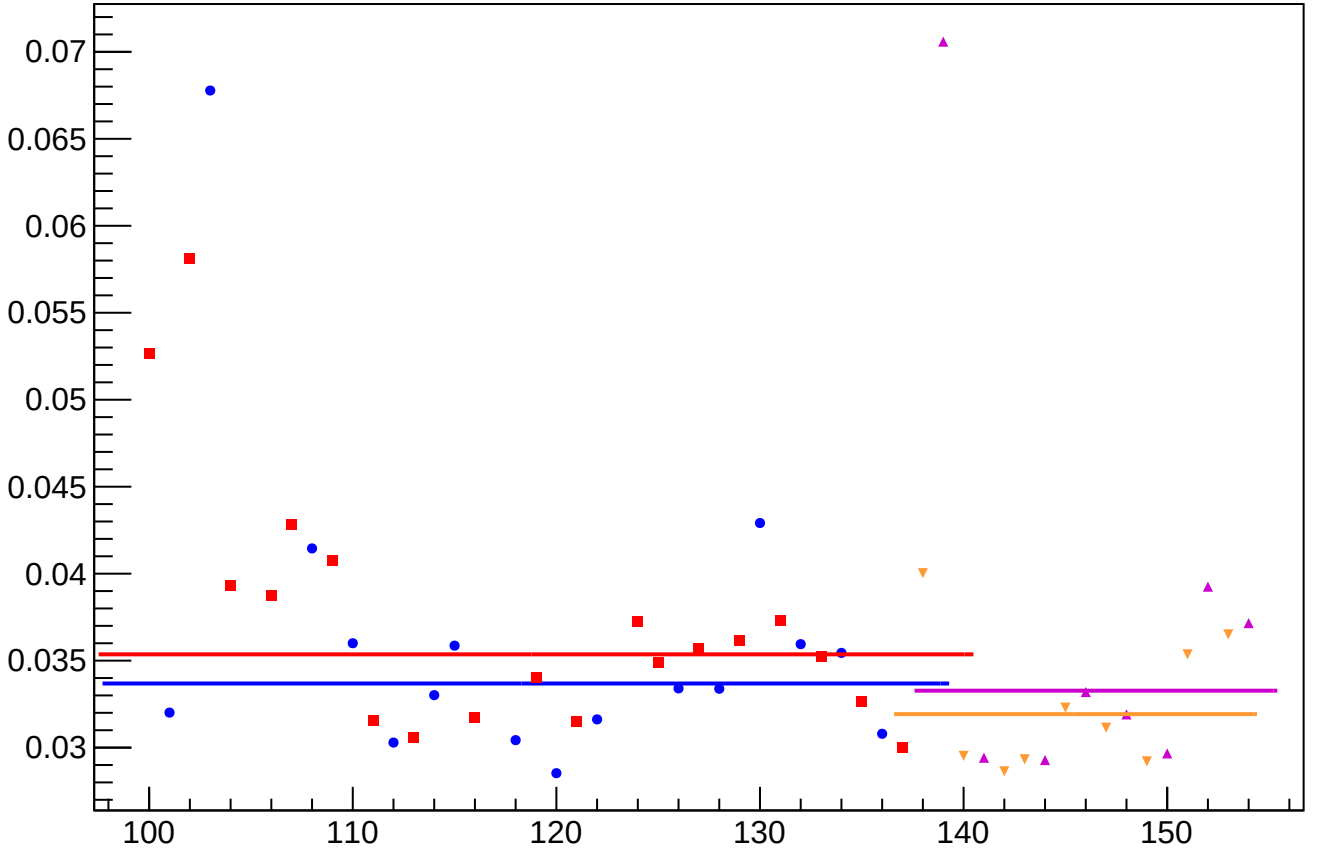
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.165+/-0.000 χ^2/NDF:5874167241.0/23

Out: -0.131+/-0.000 χ^2/NDF:6415917246.0/27

All: -0.148+/-0.000 χ^2/NDF: 12296431198.2/

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:587683.6/7

Left: 0.033+/-0.000 χ^2/NDF: 731613.4/16

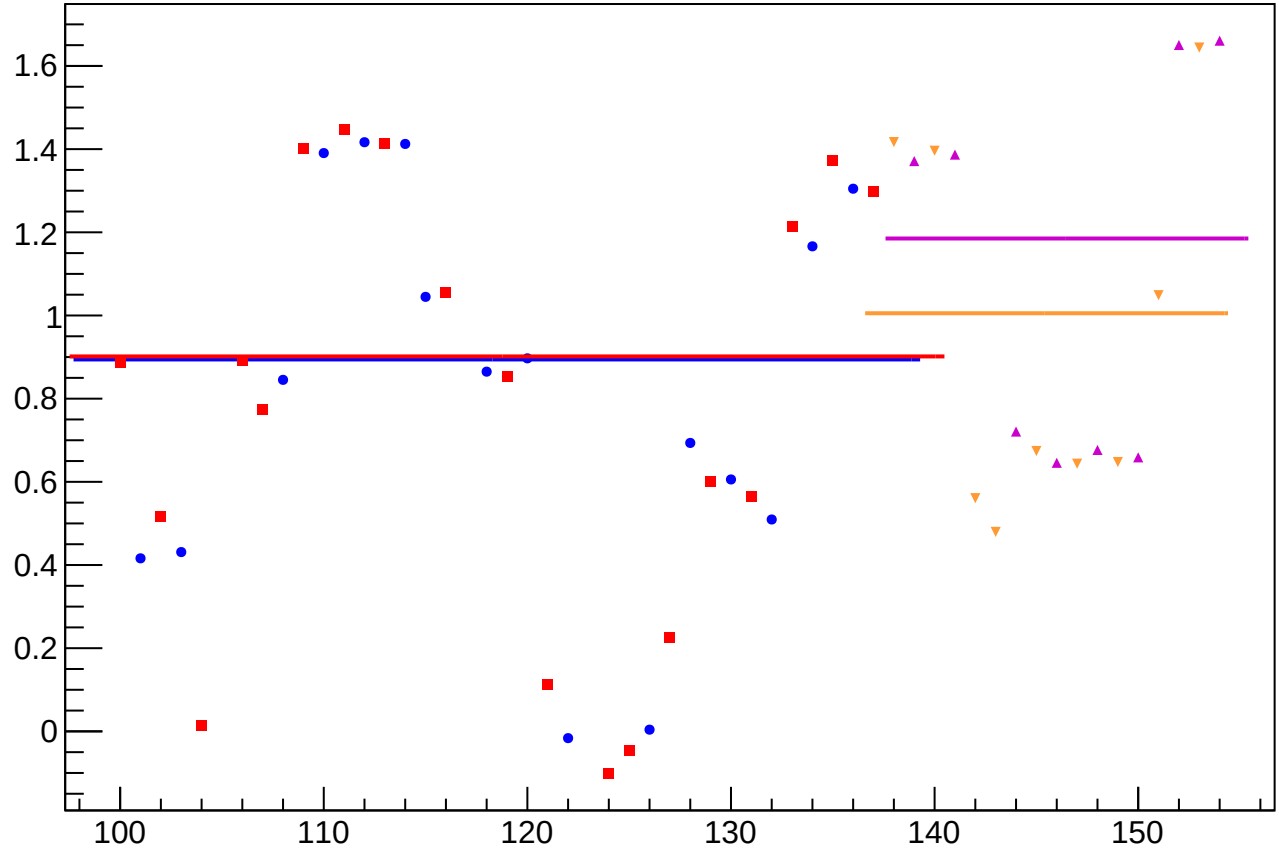
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:1008845.0/23

Out: 0.034+/-0.000 χ^2/NDF:494867.1/27

All: 0.034+/-0.000 χ^2/NDF: 1503749.0/51

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: 1.185+/-0.000 χ^2/NDF:11988973156.5/7

Left: 1.094+/-0.000 χ^2/NDF: 27562547692.6/16

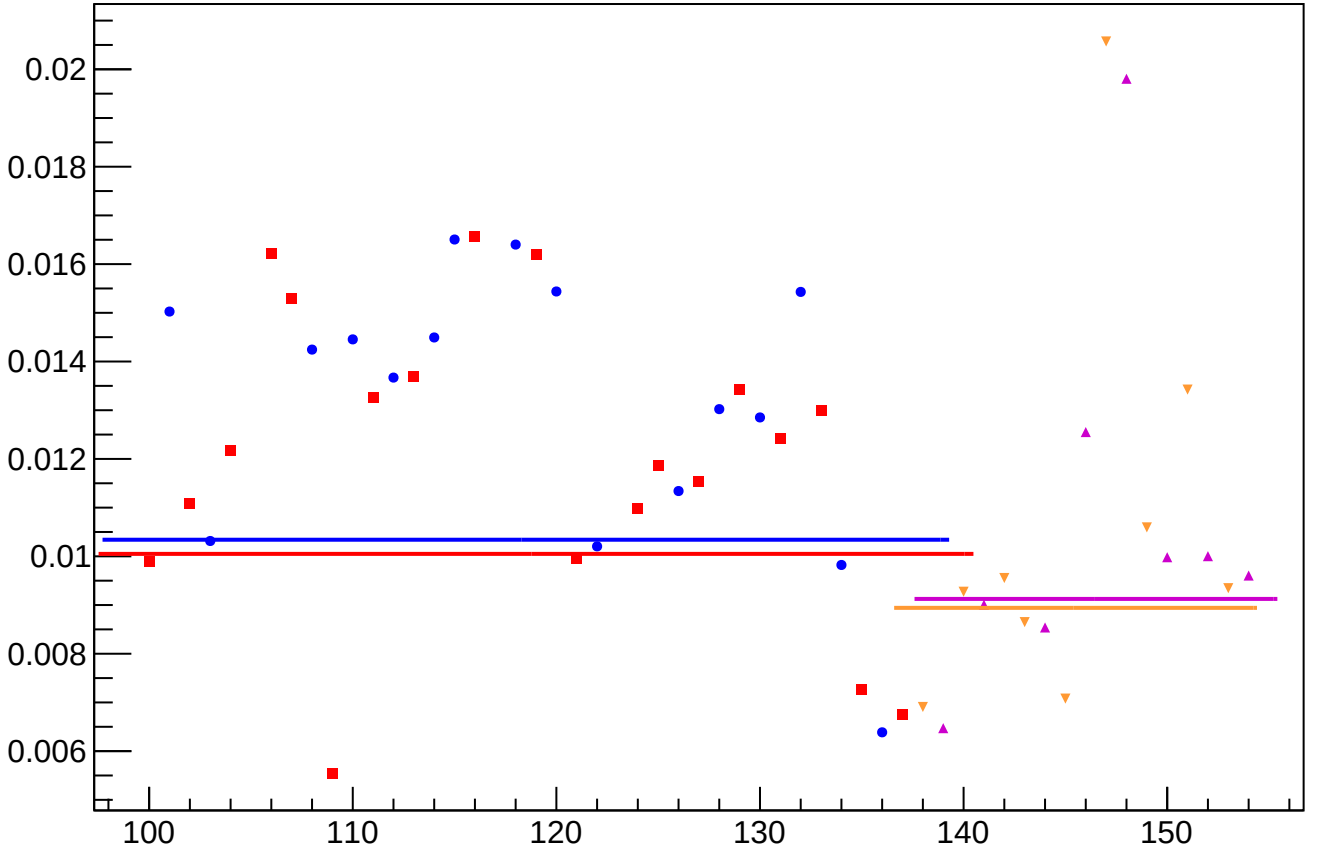
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.061+/-0.000 χ^2/NDF:27434852252.9/23

Out: 0.960+/-0.000 χ^2/NDF:32607972525.2/27

All: 1.009+/-0.000 χ^2/NDF: 60720841889.3/5

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:875391.8/7

Left: 0.009+/-0.000 χ^2/NDF: 1836863.7/16

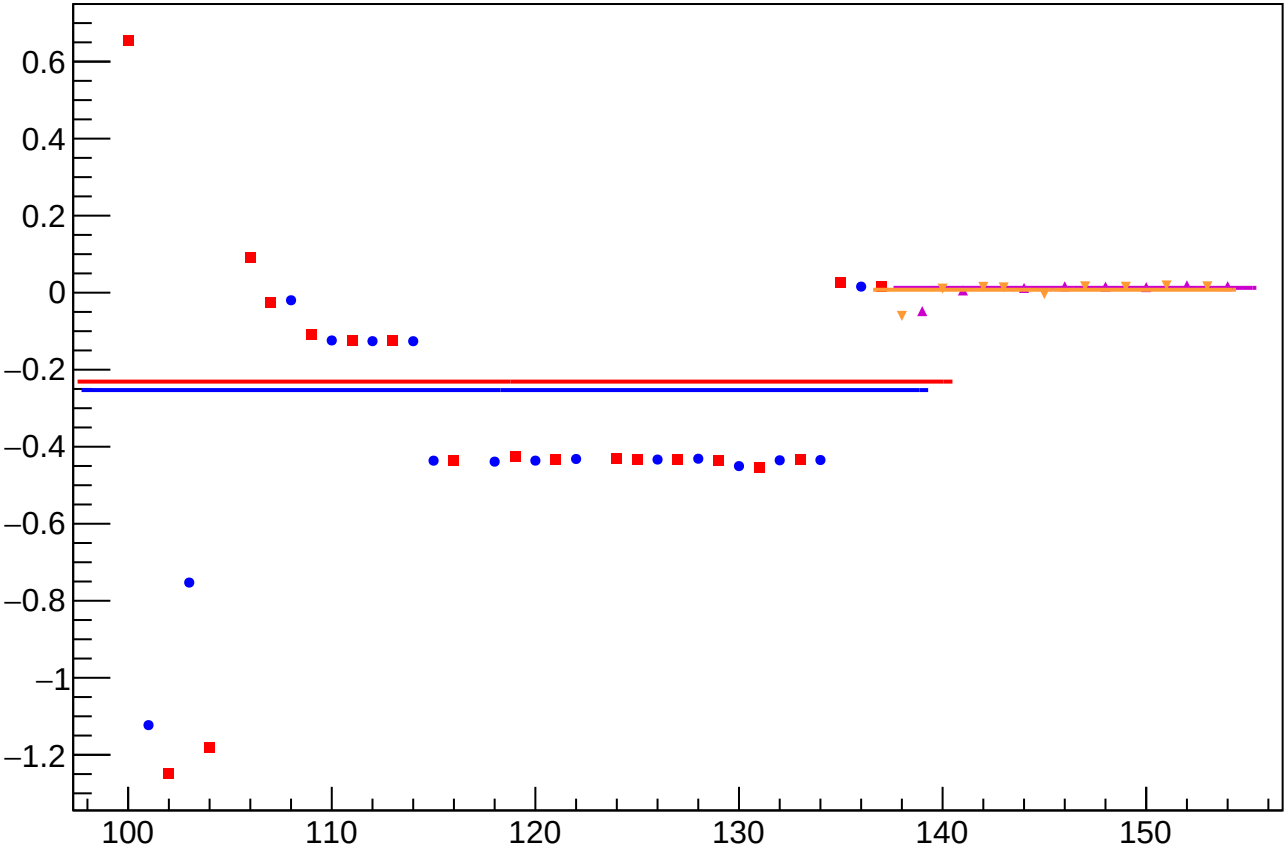
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2320011.3/23

Out: 0.009+/-0.000 χ^2/NDF:2378843.0/27

All: 0.010+/-0.000 χ^2/NDF: 4705193.4/51

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: 0.013+/-0.000 χ^2/NDF:5311455.7/7

Left: 0.010+/-0.000 χ^2/NDF: 26566191.1/16

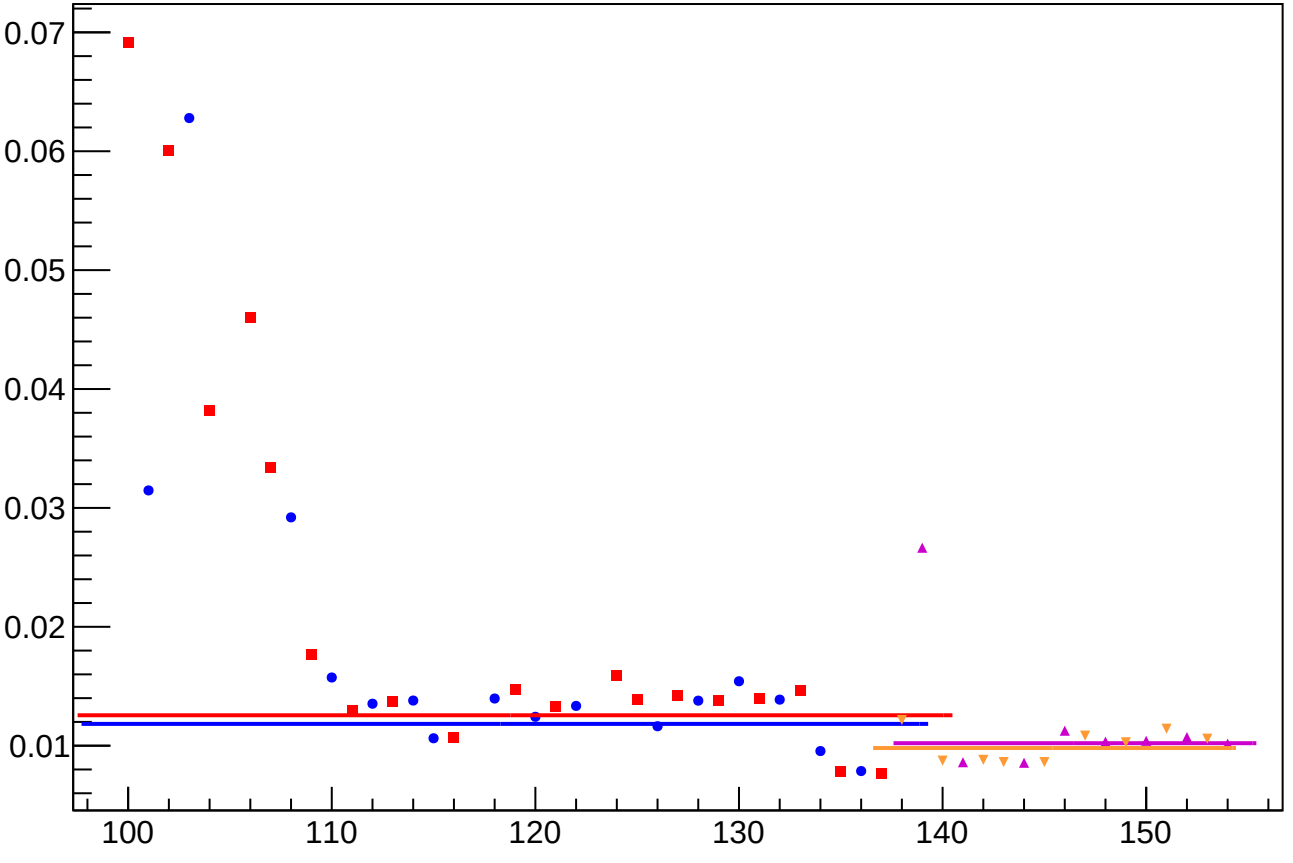
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.094+/-0.000 χ^2/NDF:3529727893.4/23

Out: -0.077+/-0.000 χ^2/NDF:2996313907.8/27

All: -0.085+/-0.000 χ^2/NDF: 6539032192.3/5

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:748748.4/7

Left: 0.010+/-0.000 χ^2/NDF: 925963.5/16

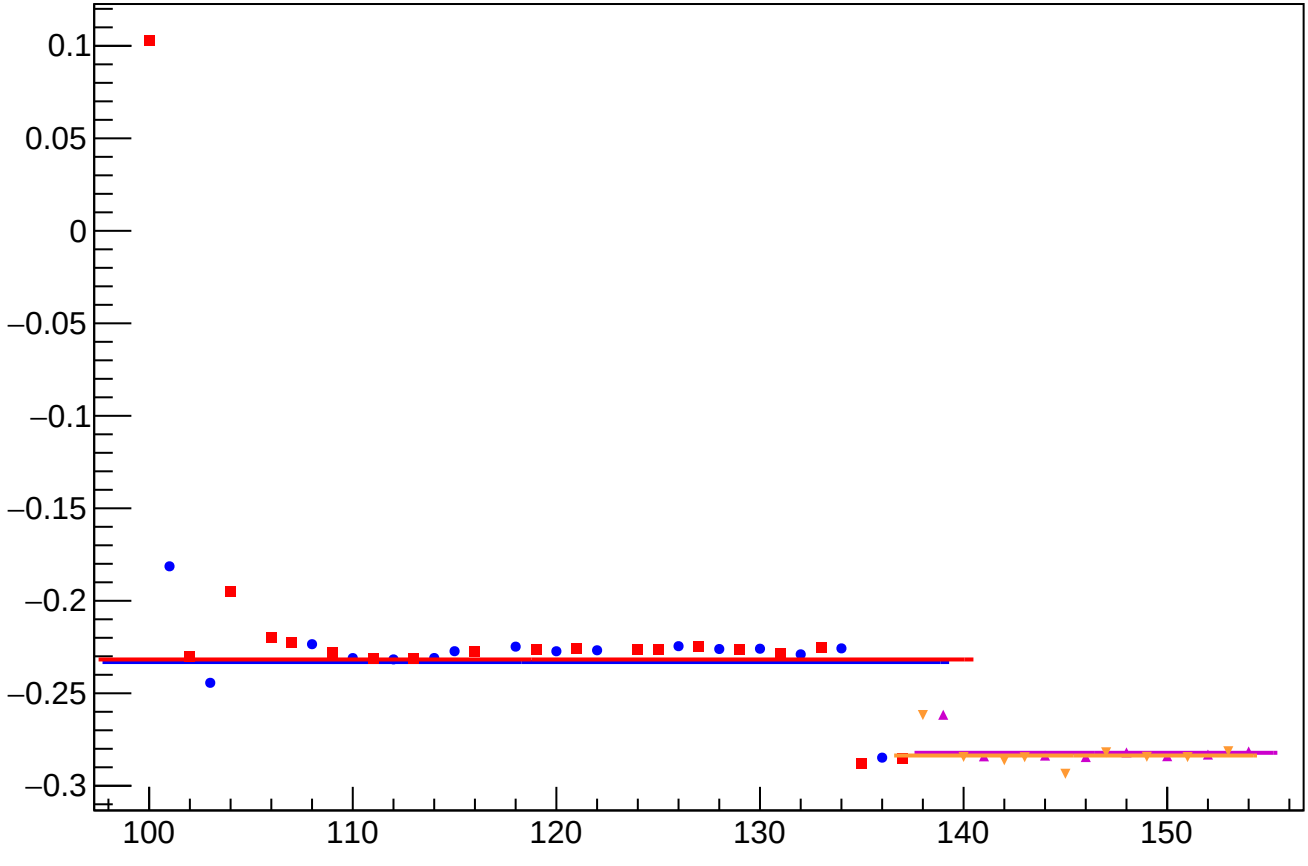
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2803475.5/23

Out: 0.011+/-0.000 χ^2/NDF:2697052.5/27

All: 0.011+/-0.000 χ^2/NDF: 5501128.9/51

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:6157963.2/7

Left: -0.283+/-0.000 χ^2/NDF: 21074027.6/16

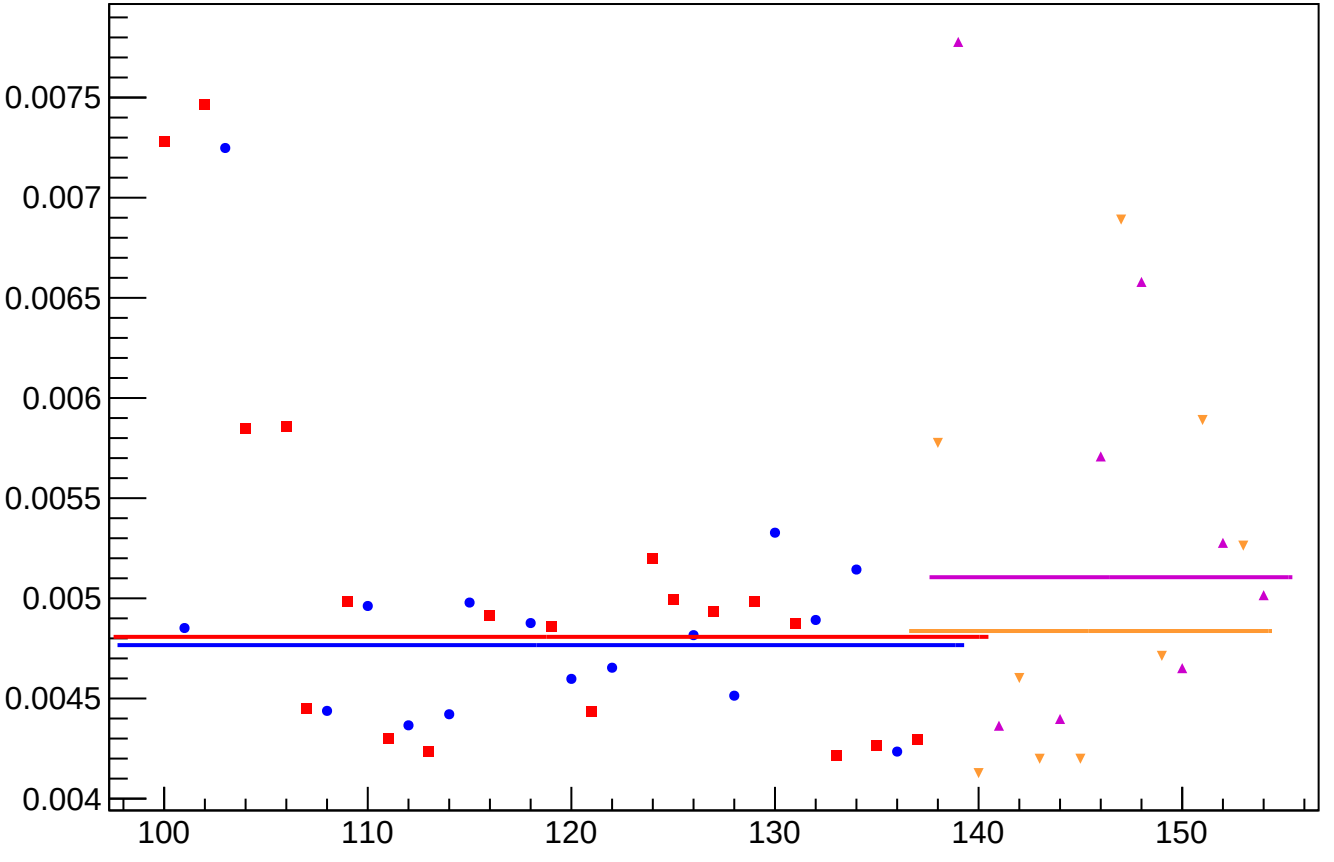
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.256+/-0.000 χ^2/NDF:521719079.1/23

Out: -0.257+/-0.000 χ^2/NDF:680064094.1/27

All: -0.256+/-0.000 χ^2/NDF: 1202033756.6/5

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:395020.1/7

Left: 0.005+/-0.000 χ^2/NDF: 771490.5/16

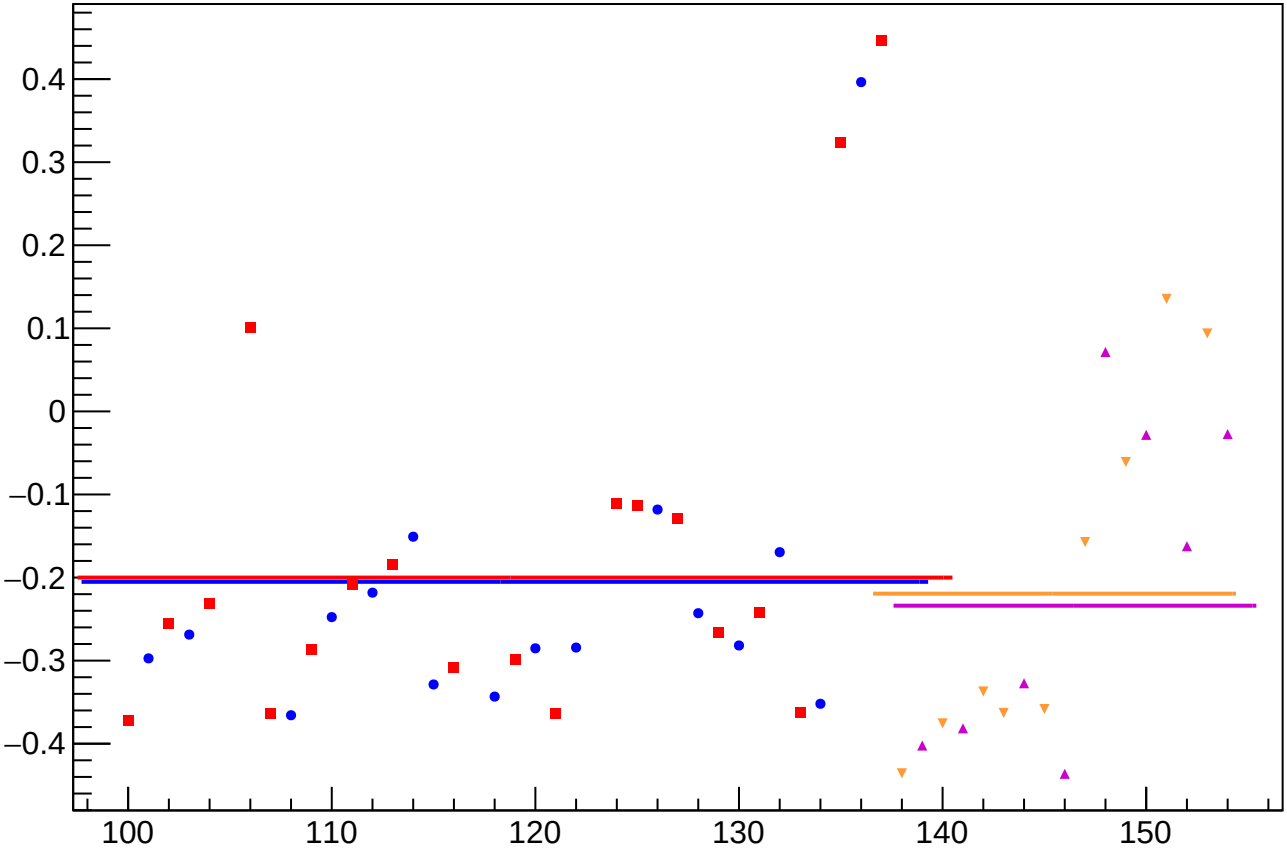
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:617007.0/23

Out: 0.005+/-0.000 χ^2/NDF:651844.7/27

All: 0.005+/-0.000 χ^2/NDF: 1274510.9/51

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: -0.234+/-0.000 χ^2/NDF:6224052756.6/7

Left: -0.226+/-0.000 χ^2/NDF: 15805251688.6/16

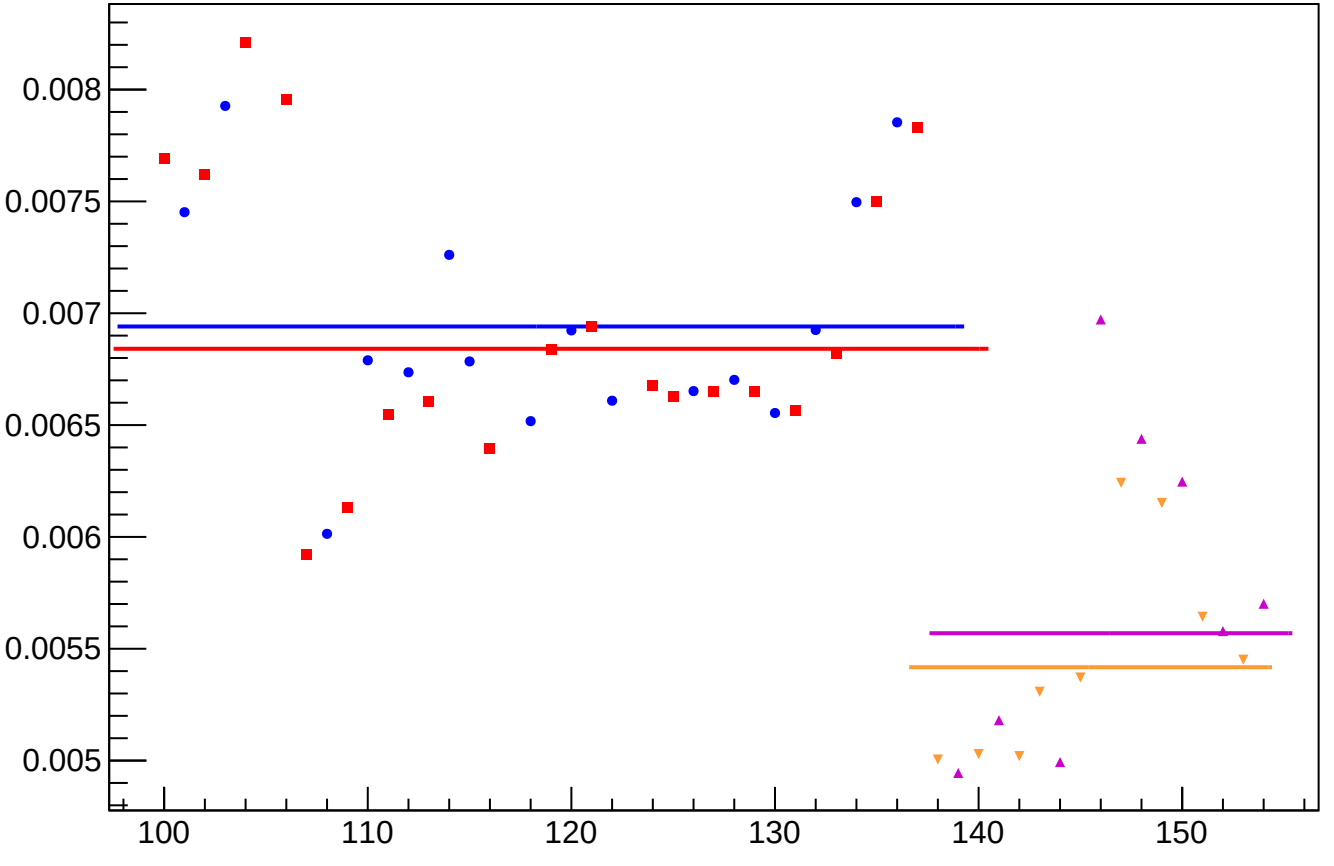
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.222+/-0.000 χ^2/NDF:12483543409.2/23

Out: -0.211+/-0.000 χ^2/NDF:14842972303.4/27

All: -0.216+/-0.000 χ^2/NDF: 27346164247.5/

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:161989.5/7

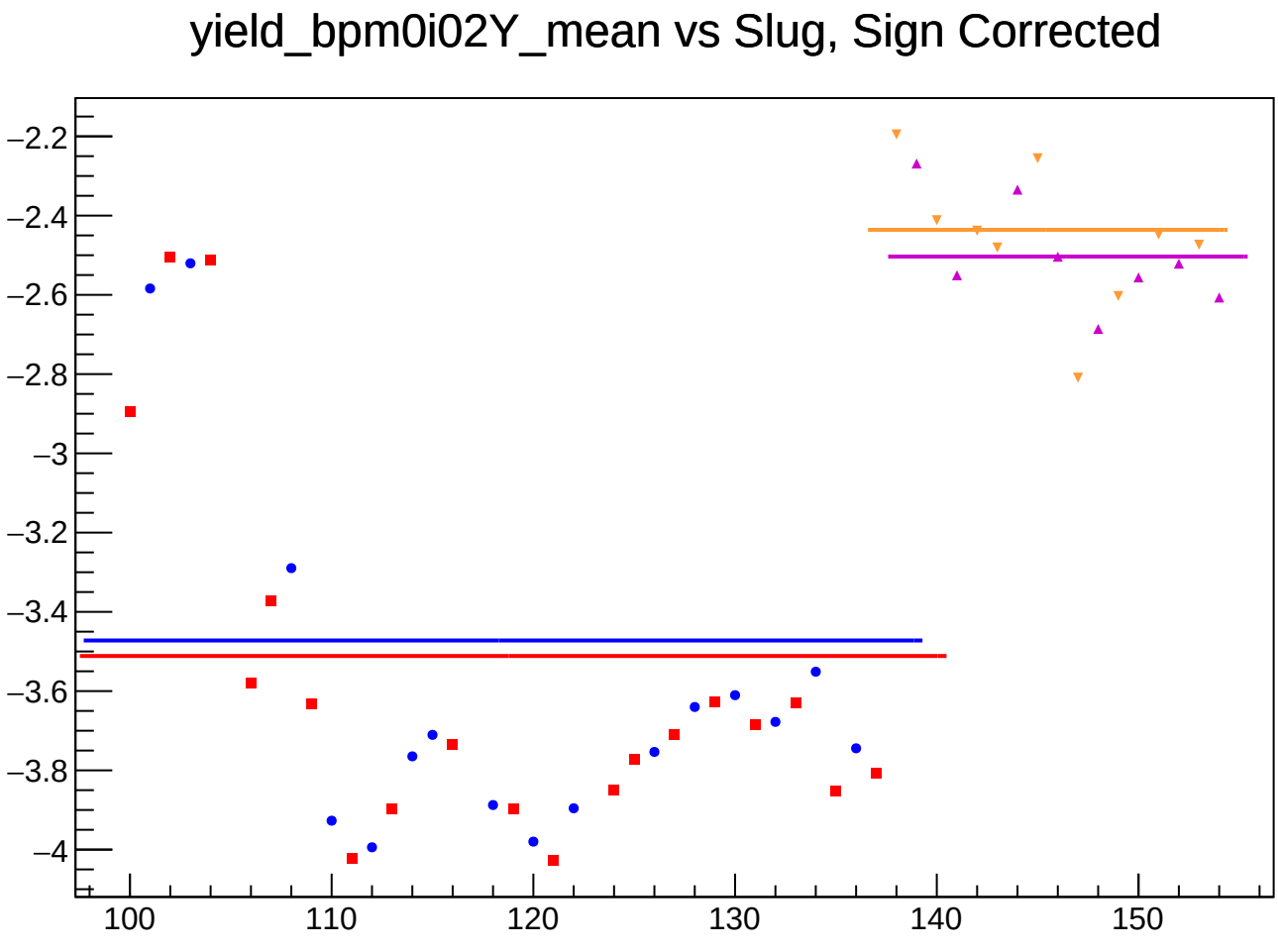
Left: 0.005+/-0.000 χ^2/NDF: 241395.5/16

Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:566647.6/23

Out: 0.006+/-0.000 χ^2/NDF:541139.6/27

All: 0.006+/-0.000 χ^2/NDF: 1114605.6/51



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: -2.503+/-0.000 χ^2/NDF:1035947847.5/7

Left: -2.469+/-0.000 χ^2/NDF: 2585128599.6/16

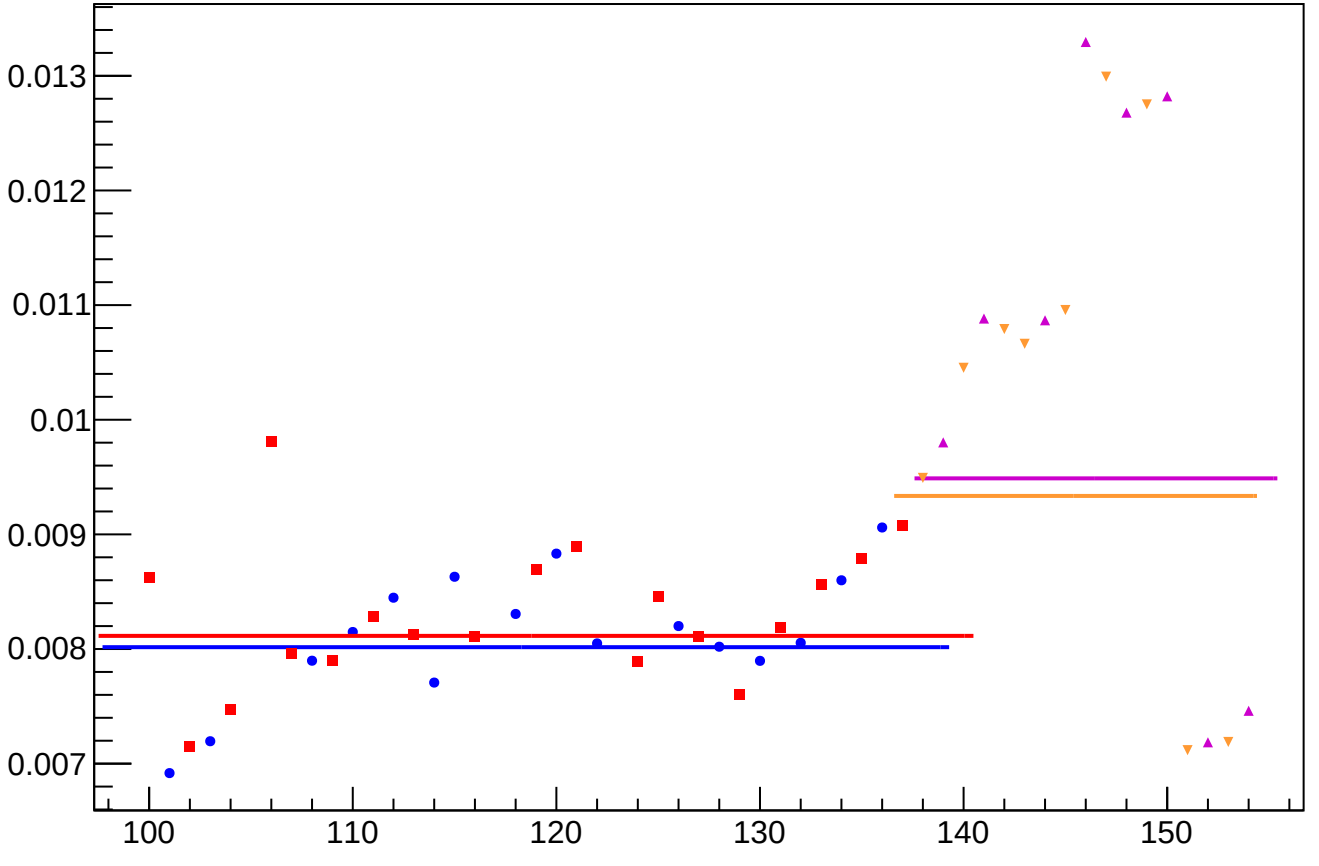
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.101+/-0.000 χ^2/NDF:69757421603.0/23

Out: -3.088+/-0.000 χ^2/NDF:80278605931.6/27

All: -3.095+/-0.000 χ^2/NDF: 150049967944.5

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: 0.009+/-0.000 χ^2/NDF:658393.8/7

Left: 0.009+/-0.000 χ^2/NDF: 1234724.4/16

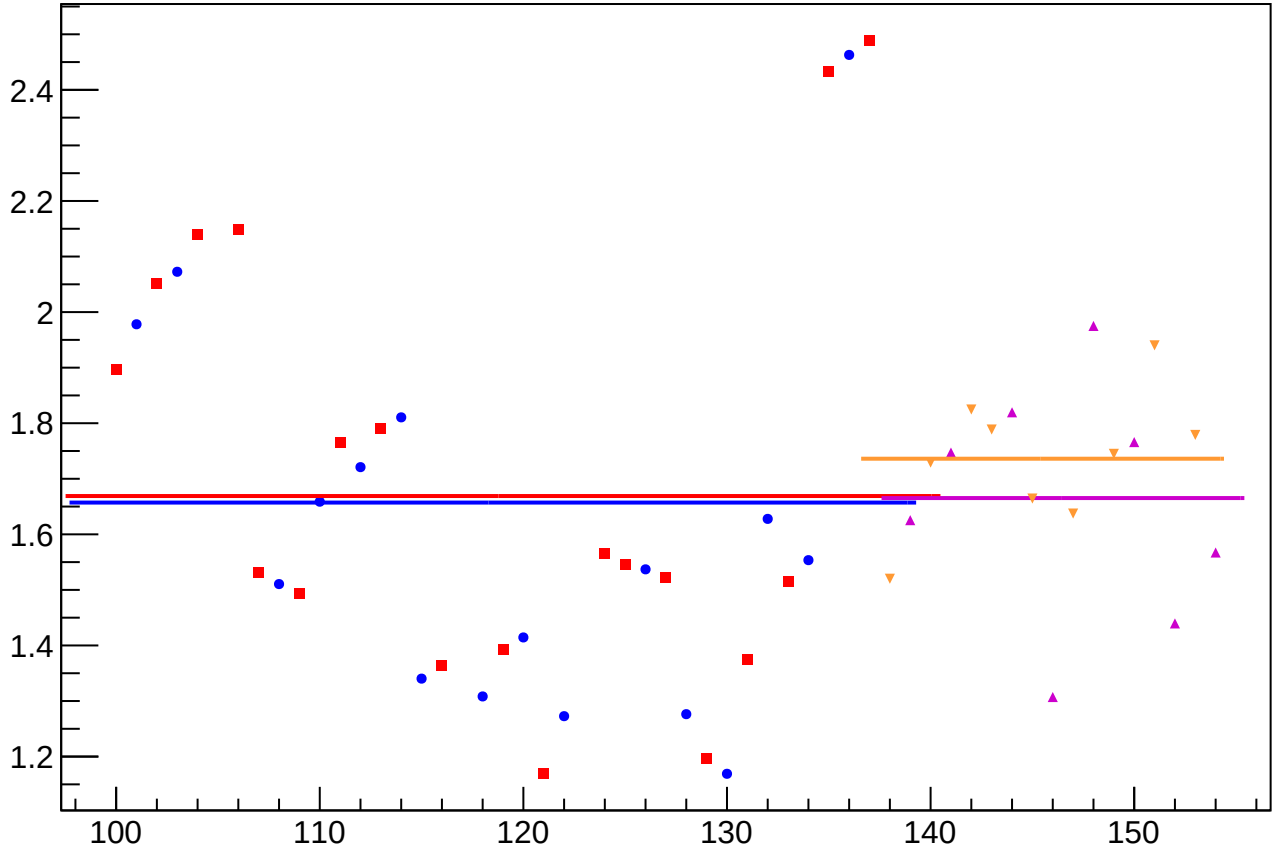
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.009+/-0.000 χ^2/NDF:925394.3/23

Out: 0.009+/-0.000 χ^2/NDF:772469.7/27

All: 0.009+/-0.000 χ^2/NDF: 1697900.6/51

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: 1.665+/-0.000 χ^2/NDF:1545899374.4/7

Left: 1.702+/-0.000 χ^2/NDF: 2373249599.9/16

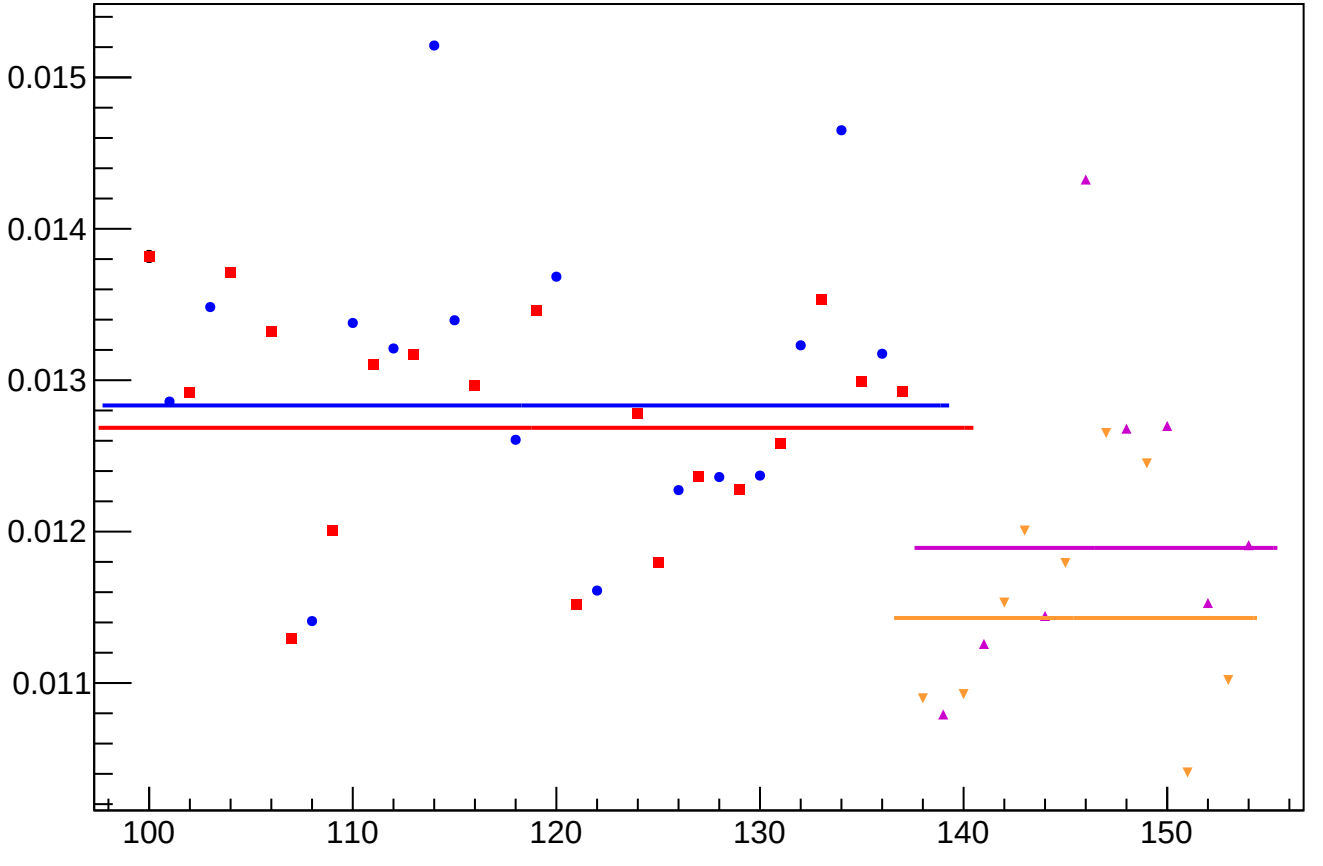
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.661+/-0.000 χ^2/NDF:8213506225.4/23

Out: 1.705+/-0.000 χ^2/NDF:7171752924.1/27

All: 1.684+/-0.000 χ^2/NDF: 15470480039.7/5

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:84451.5/7

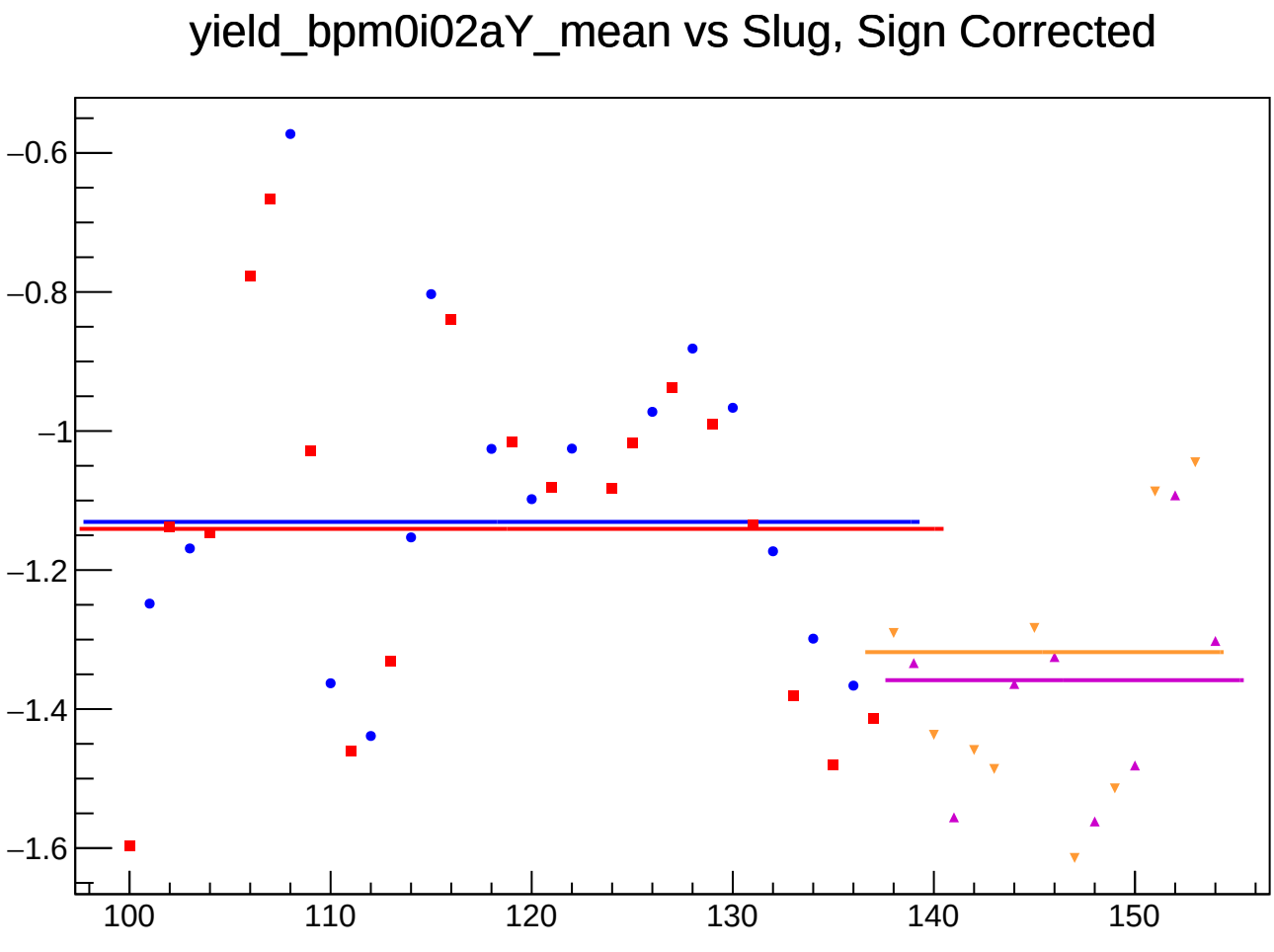
Left: 0.012+/-0.000 χ^2/NDF: 148053.1/16

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:176019.6/23

Out: 0.012+/-0.000 χ^2/NDF:171490.2/27

All: 0.012+/-0.000 χ^2/NDF: 357219.8/51



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: -1.358+/-0.000 χ^2/NDF:1743506184.6/7

Left: -1.337+/-0.000 χ^2/NDF: 4791193028.9/16

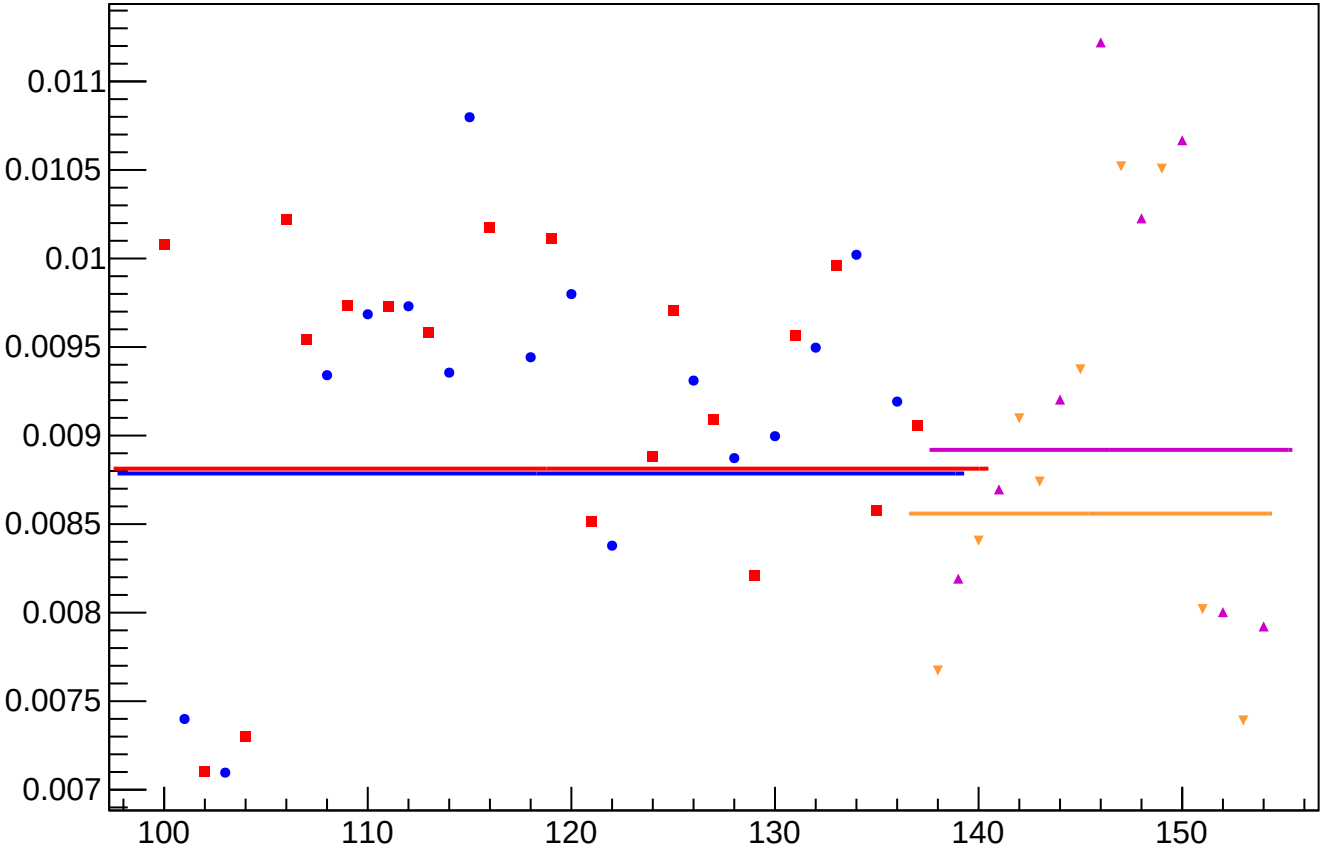
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.238+/-0.000 χ^2/NDF:7694444922.0/23

Out: -1.227+/-0.000 χ^2/NDF:7893549198.6/27

All: -1.232+/-0.000 χ^2/NDF: 15597451111.4/

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:186155.0/7

Left: 0.009+/-0.000 χ^2/NDF: 372250.3/16

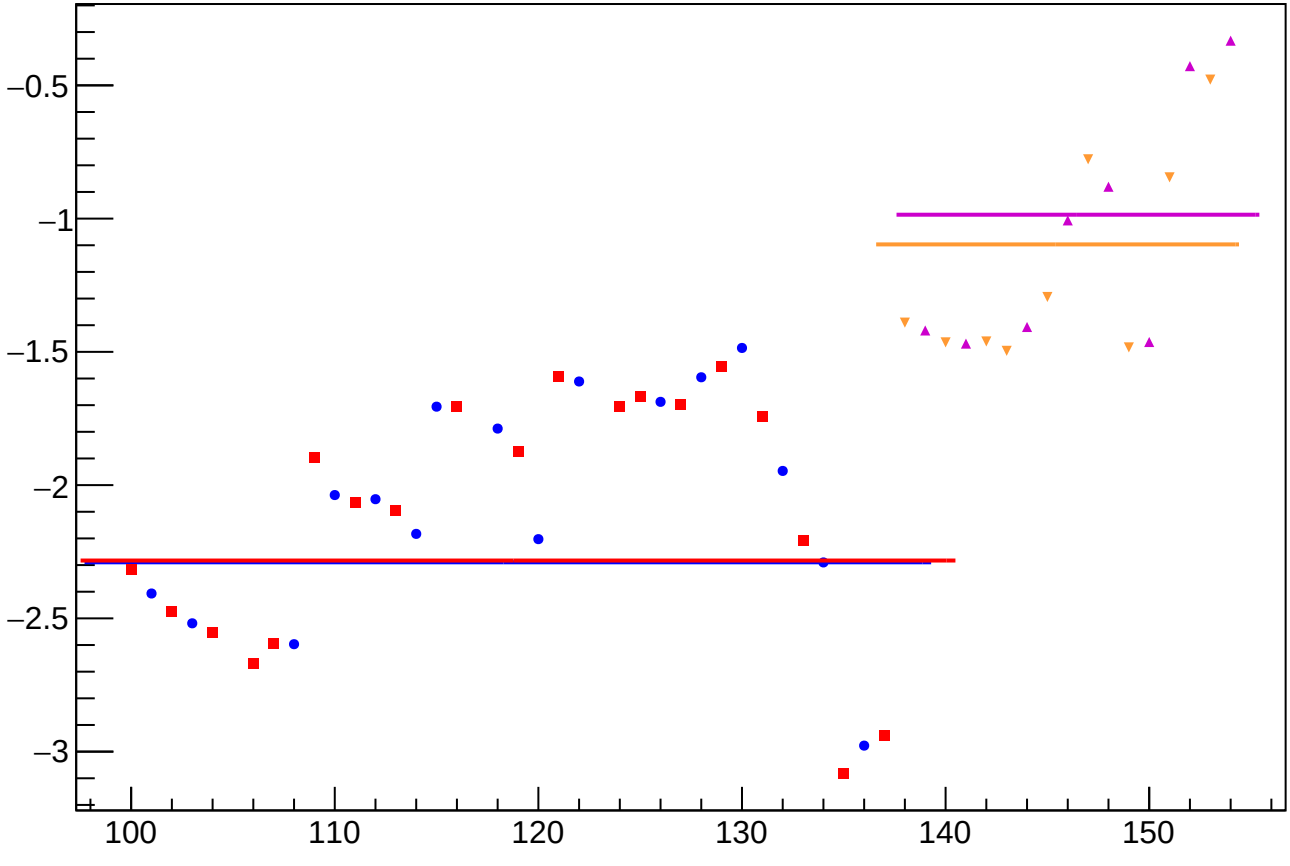
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:361114.2/23

Out: 0.009+/-0.000 χ^2/NDF:385575.9/27

All: 0.009+/-0.000 χ^2/NDF: 751006.9/51

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.097+/-0.000 χ^2/NDF:14348380274.5/8

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.985+/-0.000 χ^2/NDF:19447257729.2/7

Left: -1.042+/-0.000 χ^2/NDF: 34397220337.0/16

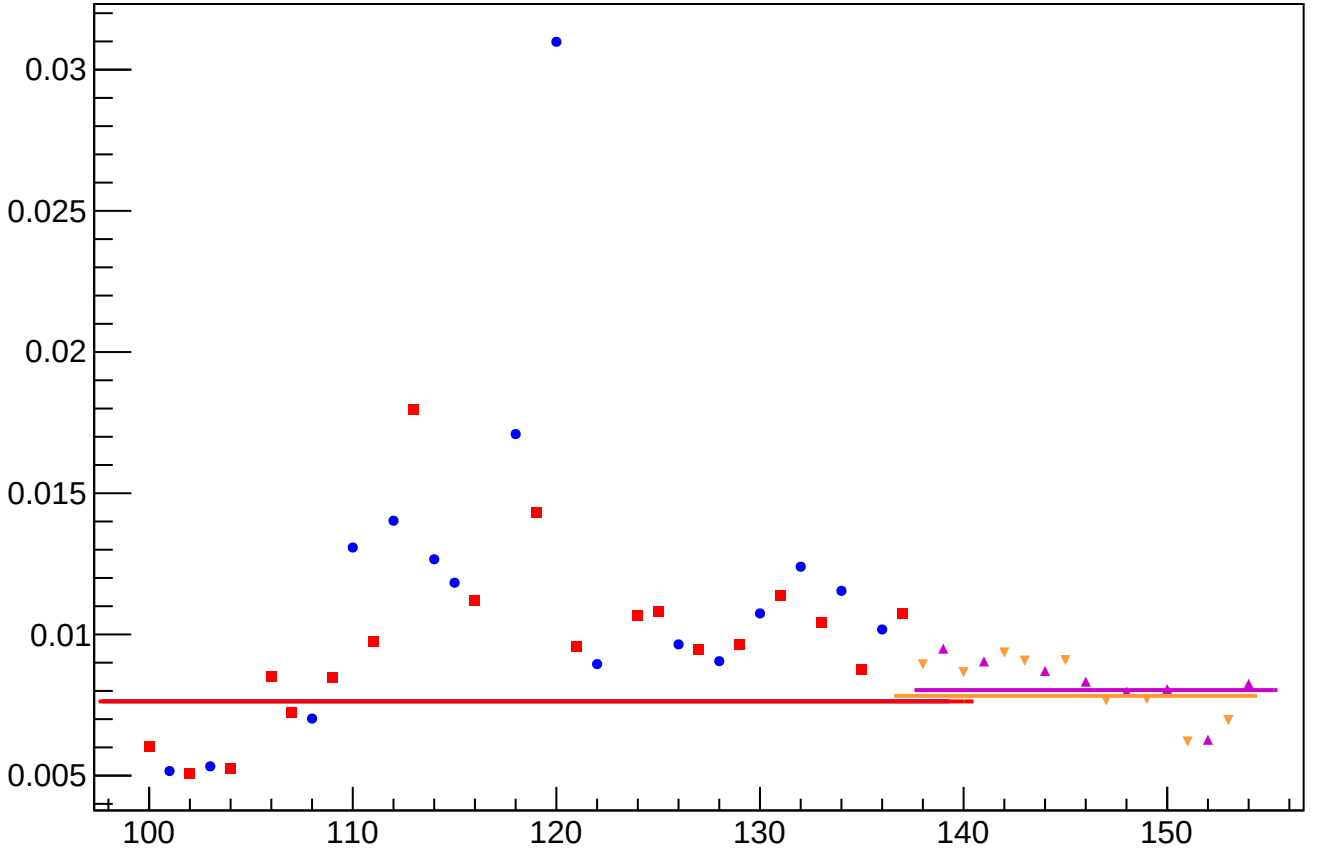
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.609+/-0.000 χ^2/NDF:112128852012.9/23

Out: -1.679+/-0.000 χ^2/NDF:99616536227.9/27

All: -1.645+/-0.000 χ^2/NDF: 212207982333.

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:192661.7/7

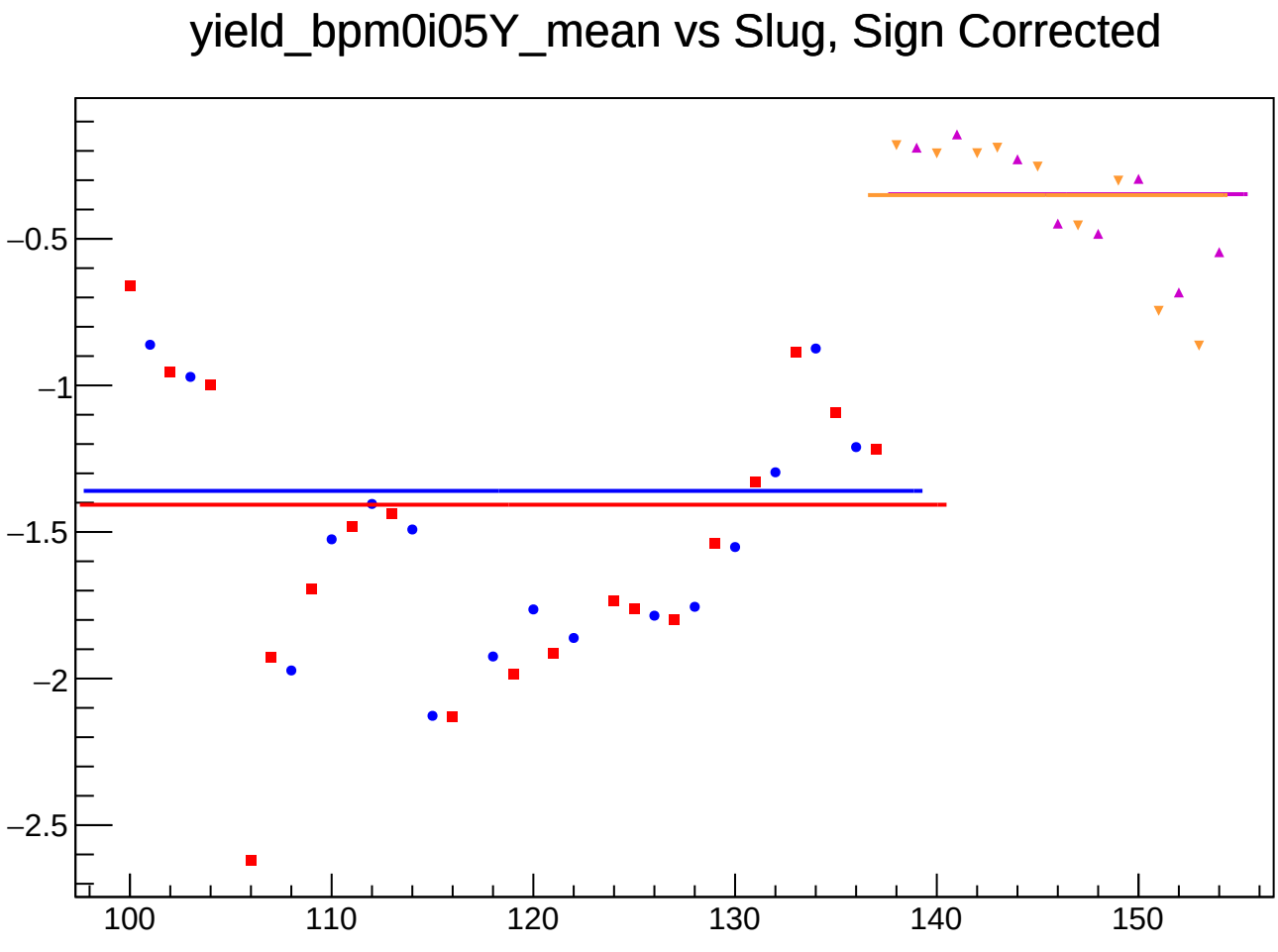
Left: 0.008+/-0.000 χ^2/NDF: 427659.3/16

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

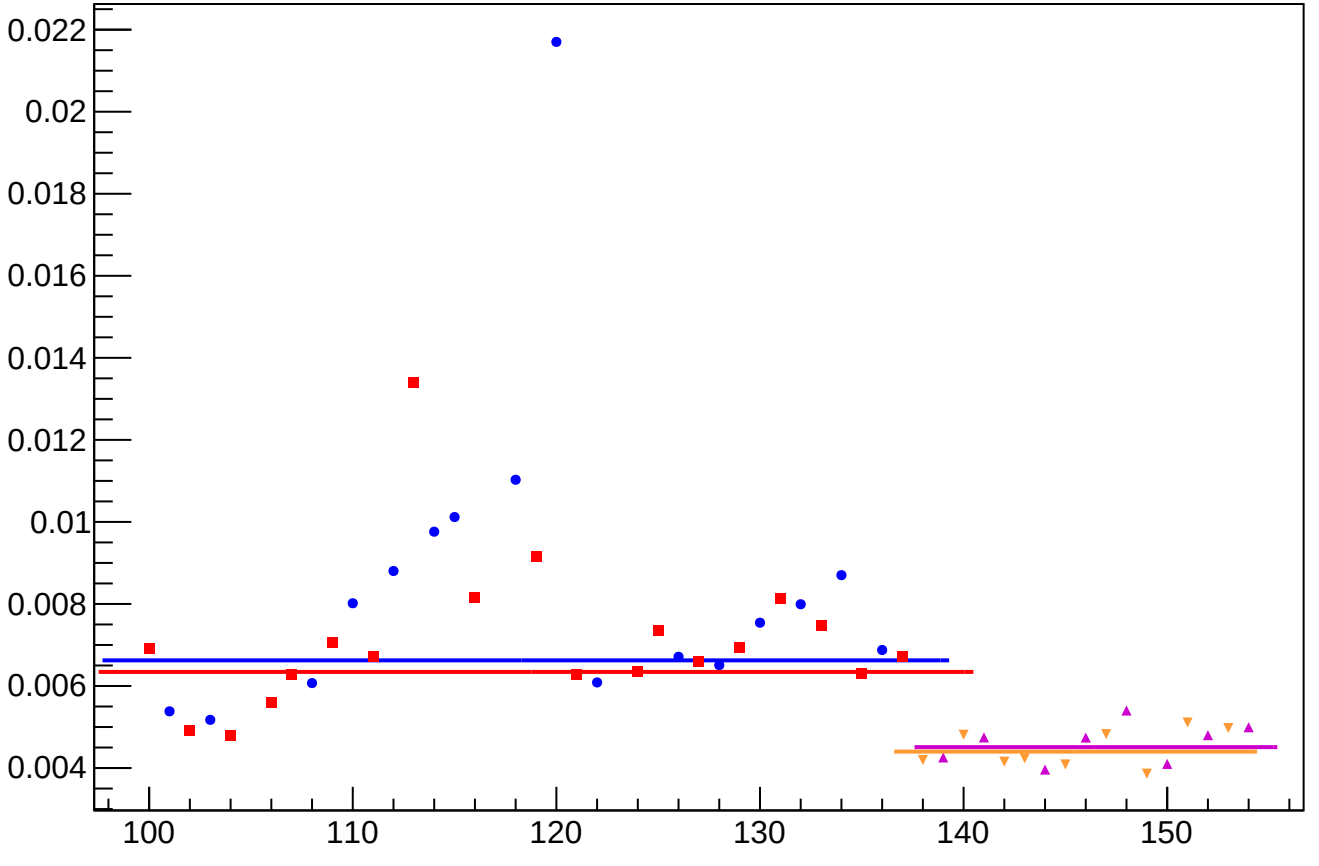
In: 0.008+/-0.000 χ^2/NDF:1917766.5/23

Out: 0.008+/-0.000 χ^2/NDF:1552337.0/27

All: 0.008+/-0.000 χ^2/NDF: 3472484.4/51


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.351+/-0.000 χ²/NDF:16303220937.9/8
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.348+/-0.000 χ²/NDF:9056171757.3/7
Left: -0.349+/-0.000 χ²/NDF: 25360829478.6/16
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.658+/-0.000 χ²/NDF:124184597259.4/23
Out: -0.695+/-0.000 χ²/NDF:160436536213.6/27
All: -0.678+/-0.000 χ²/NDF: 284926484769.2

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: 0.005+/-0.000 χ^2/NDF:114612.6/7

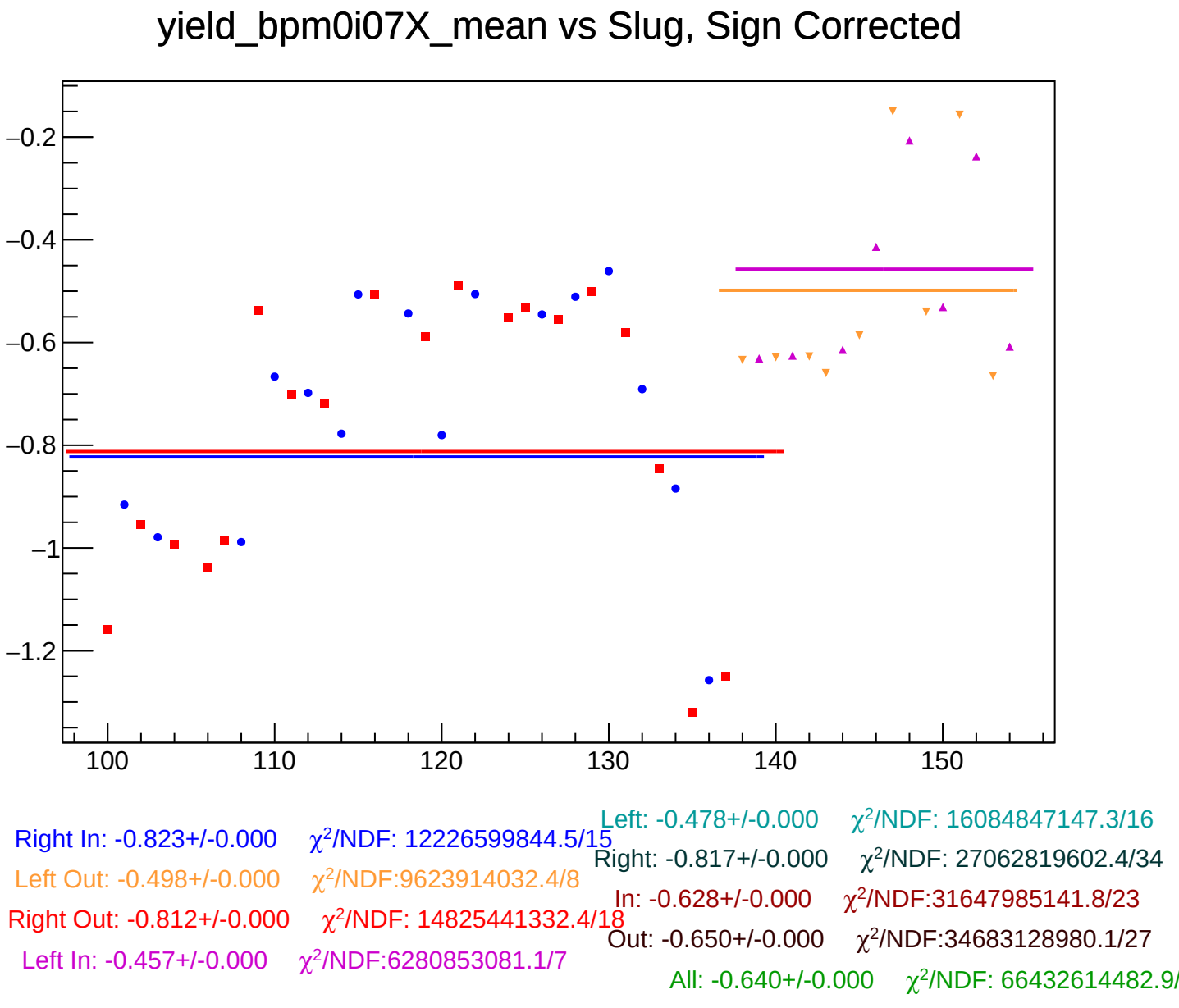
Left: 0.004+/-0.000 χ^2/NDF: 229502.5/16

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

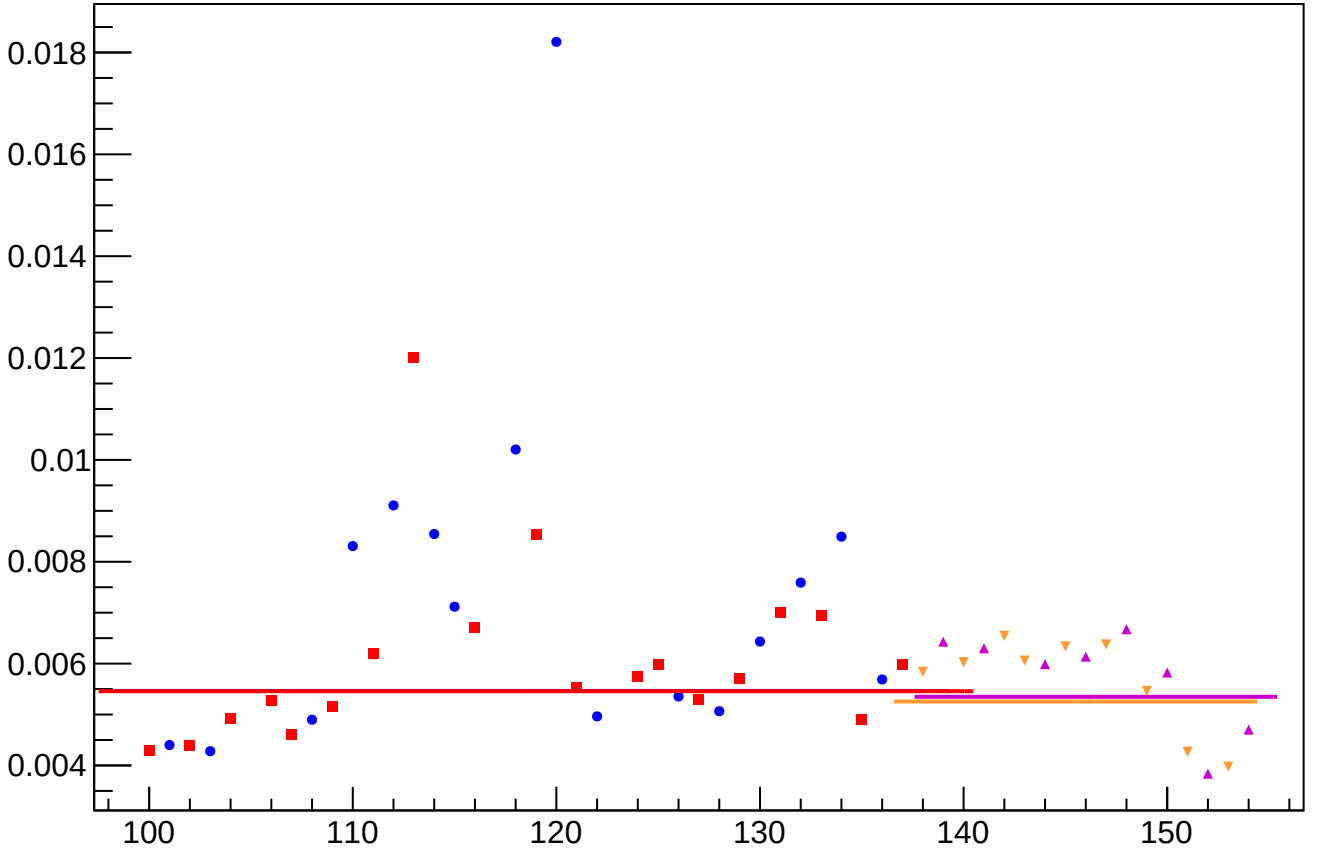
In: 0.005+/-0.000 χ^2/NDF:1626324.6/23

Out: 0.005+/-0.000 χ^2/NDF:1413968.7/27

All: 0.005+/-0.000 χ^2/NDF: 3047236.5/51


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: -0.457+/-0.000 χ²/NDF:6280853081.1/7
Left: -0.478+/-0.000 χ²/NDF: 16084847147.3/16
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.628+/-0.000 χ²/NDF:31647985141.8/23
Out: -0.650+/-0.000 χ²/NDF:34683128980.1/27
All: -0.640+/-0.000 χ²/NDF: 66432614482.9/

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:467004.0/7

Left: 0.005+/-0.000 χ^2/NDF: 879781.3/16

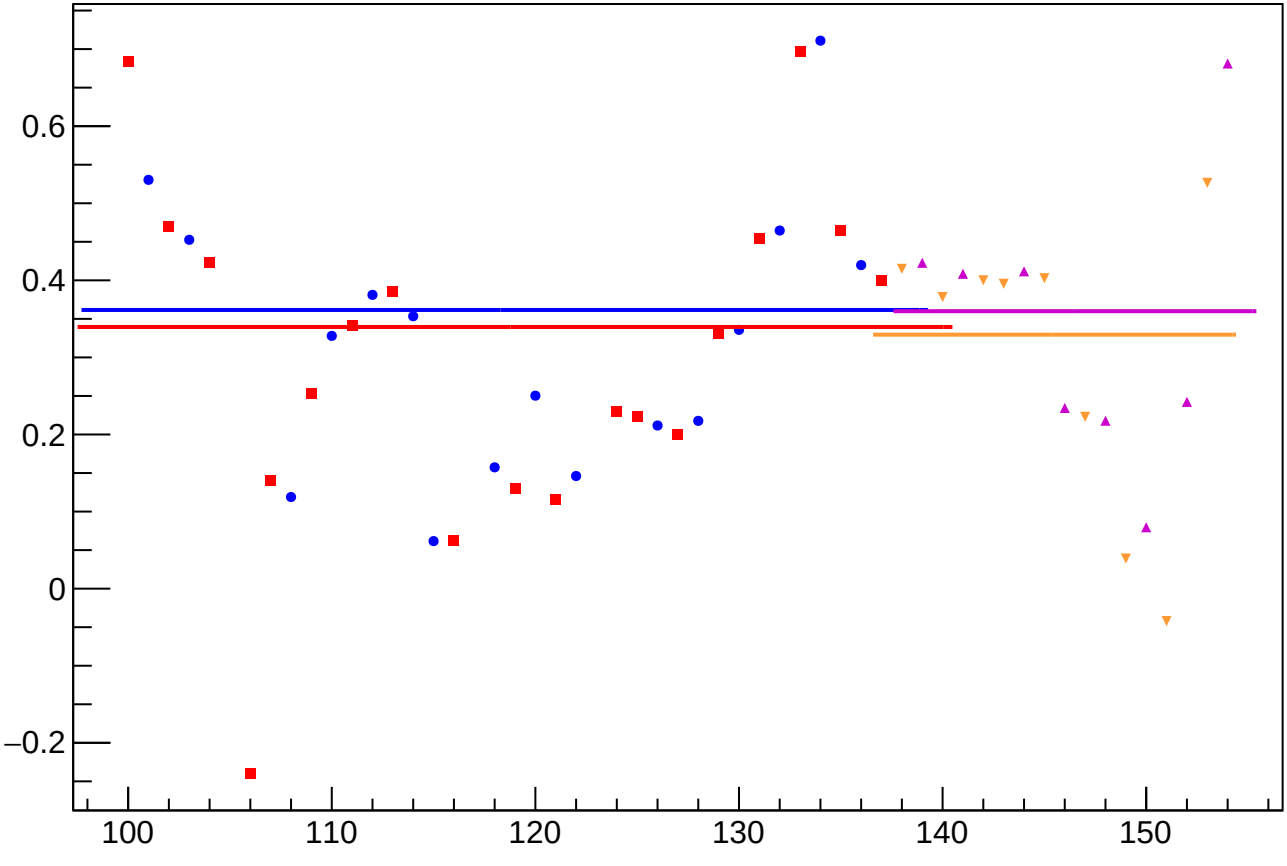
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1431088.9/23

Out: 0.005+/-0.000 χ^2/NDF:927284.0/27

All: 0.005+/-0.000 χ^2/NDF: 2359309.8/51

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: 0.360+/-0.000 χ^2/NDF:8307381871.0/7

Left: 0.345+/-0.000 χ^2/NDF: 18216699462.4/16

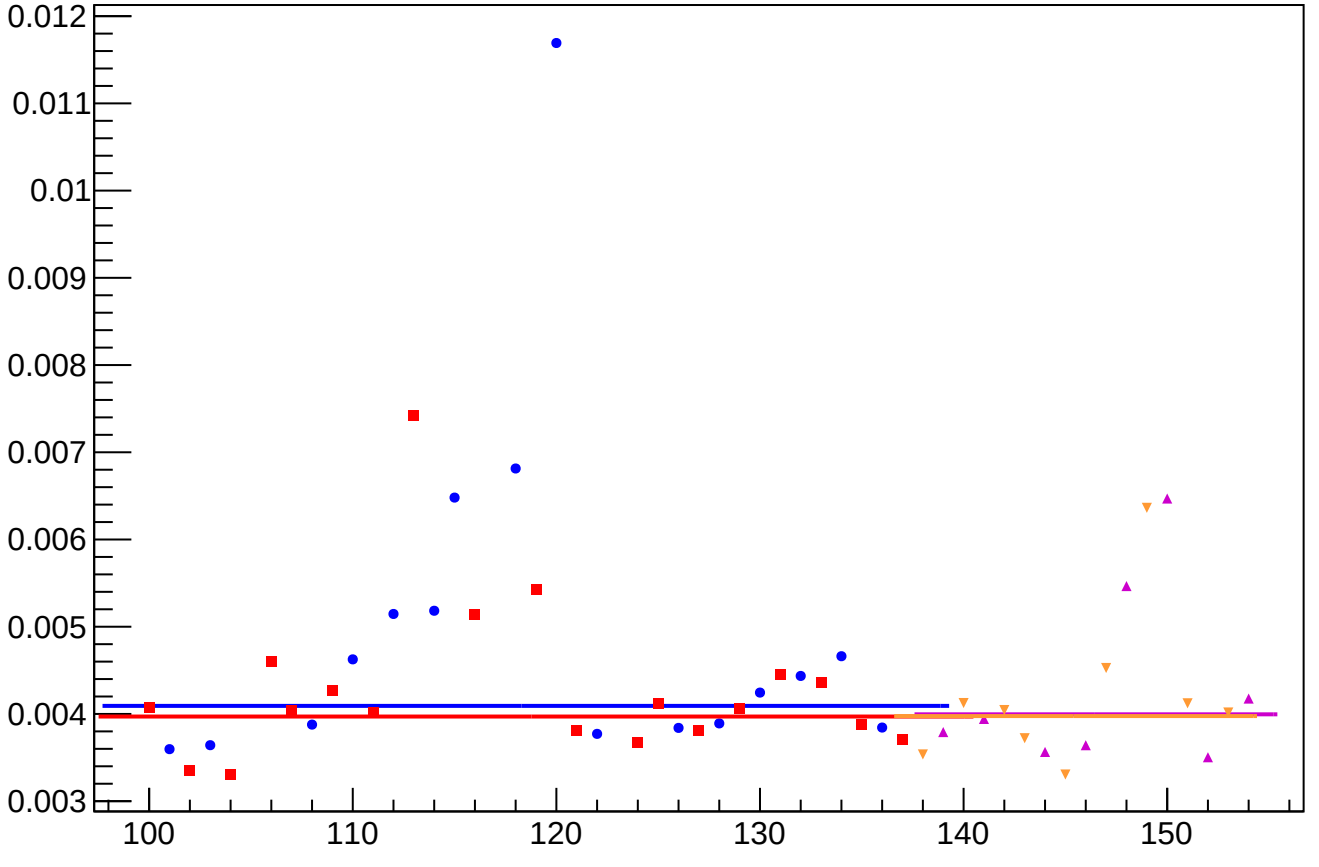
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.361+/-0.000 χ^2/NDF:17083764959.0/23

Out: 0.335+/-0.000 χ^2/NDF:21852468947.4/27

All: 0.348+/-0.000 χ^2/NDF: 39167539073.3/5

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:360531.7/7

Left: 0.004+/-0.000 χ^2/NDF: 634467.4/16

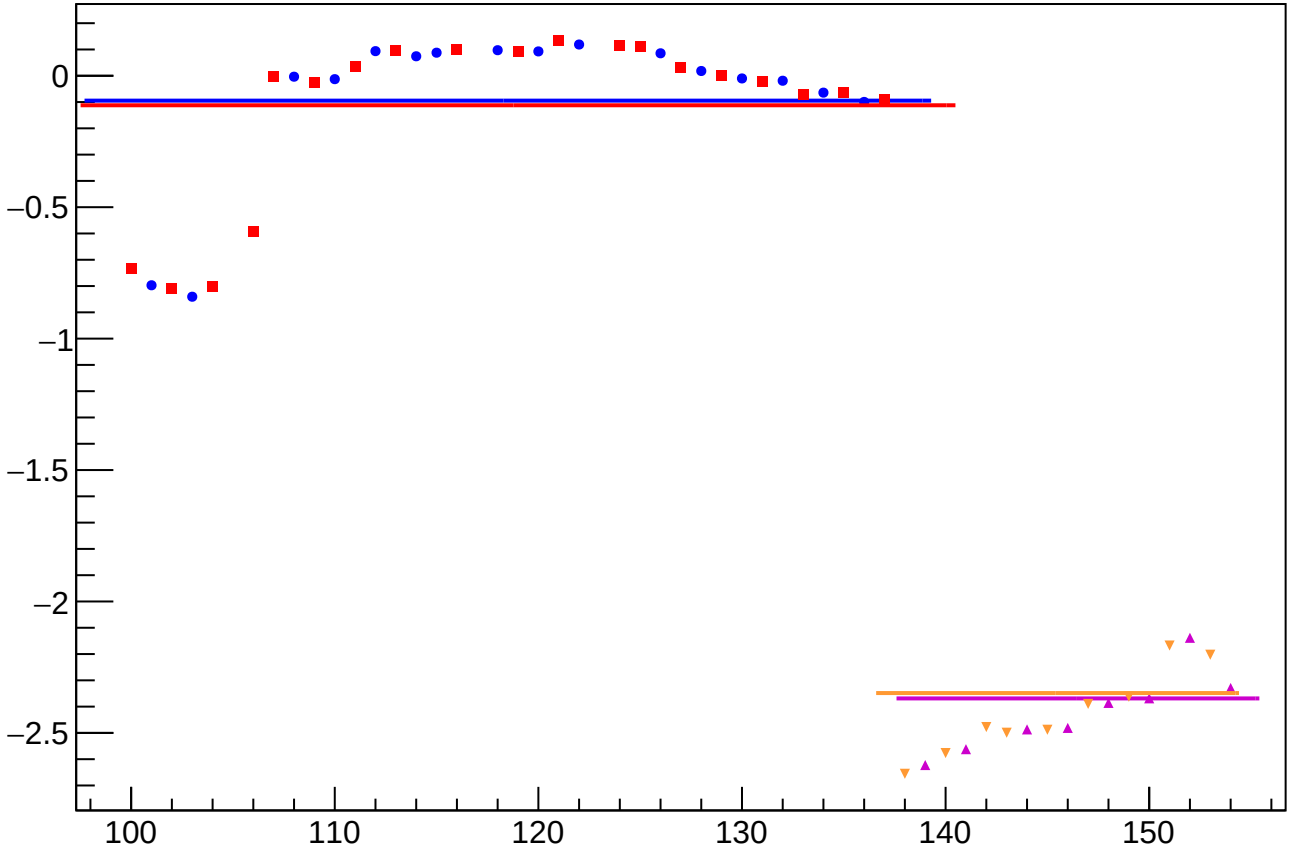
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:855462.1/23

Out: 0.004+/-0.000 χ^2/NDF:587519.5/27

All: 0.004+/-0.000 χ^2/NDF: 1446916.5/51

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: -2.369+/-0.000 χ^2/NDF:1195256697.6/7

Left: -2.358+/-0.000 χ^2/NDF: 2702976088.4/16

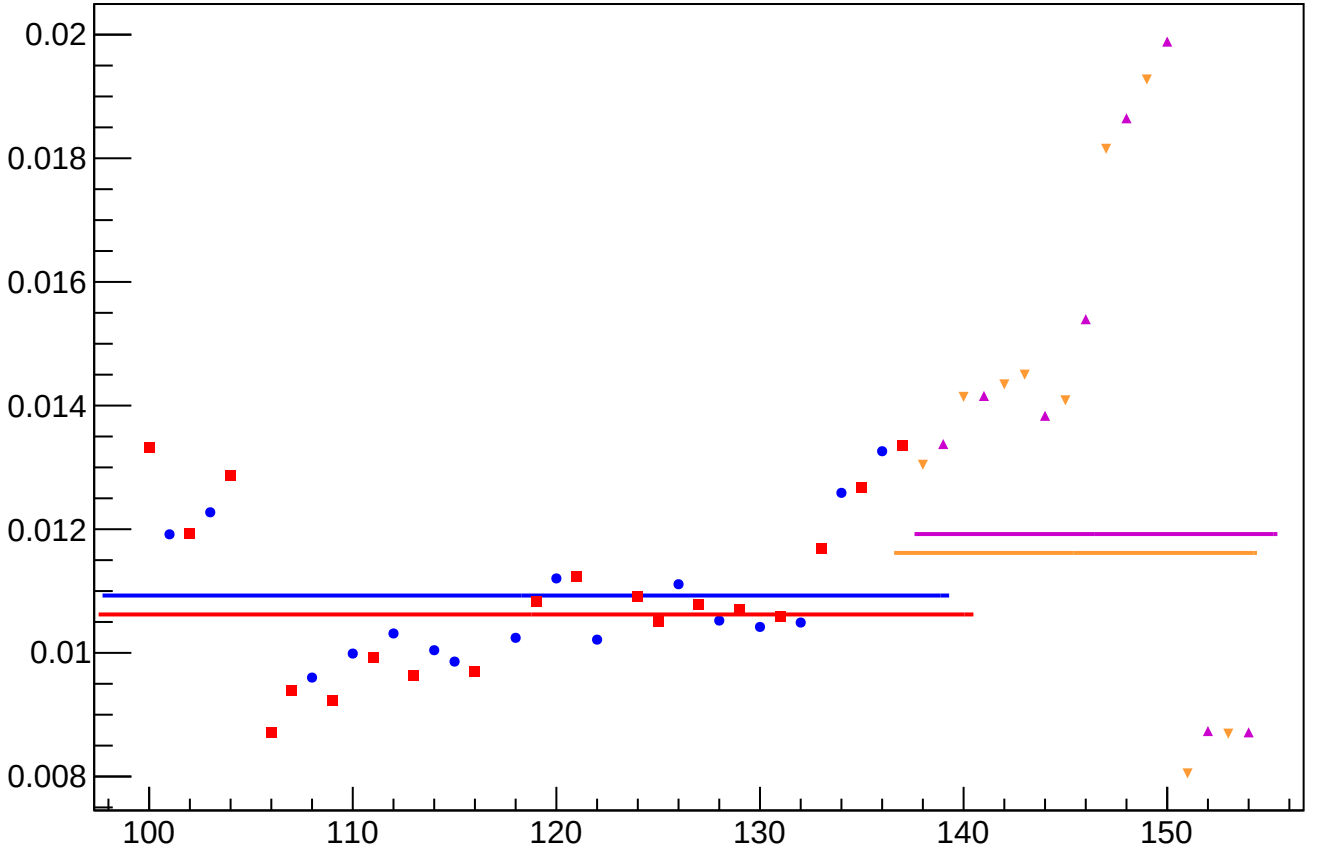
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.072+/-0.000 χ^2/NDF:139268283342.8/23

Out: -1.048+/-0.000 χ^2/NDF:144454755772.0/27

All: -1.060+/-0.000 χ^2/NDF: 283753607429.9

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: 0.012+/-0.000 χ^2/NDF:1158051.6/7

Left: 0.012+/-0.000 χ^2/NDF: 2364727.3/16

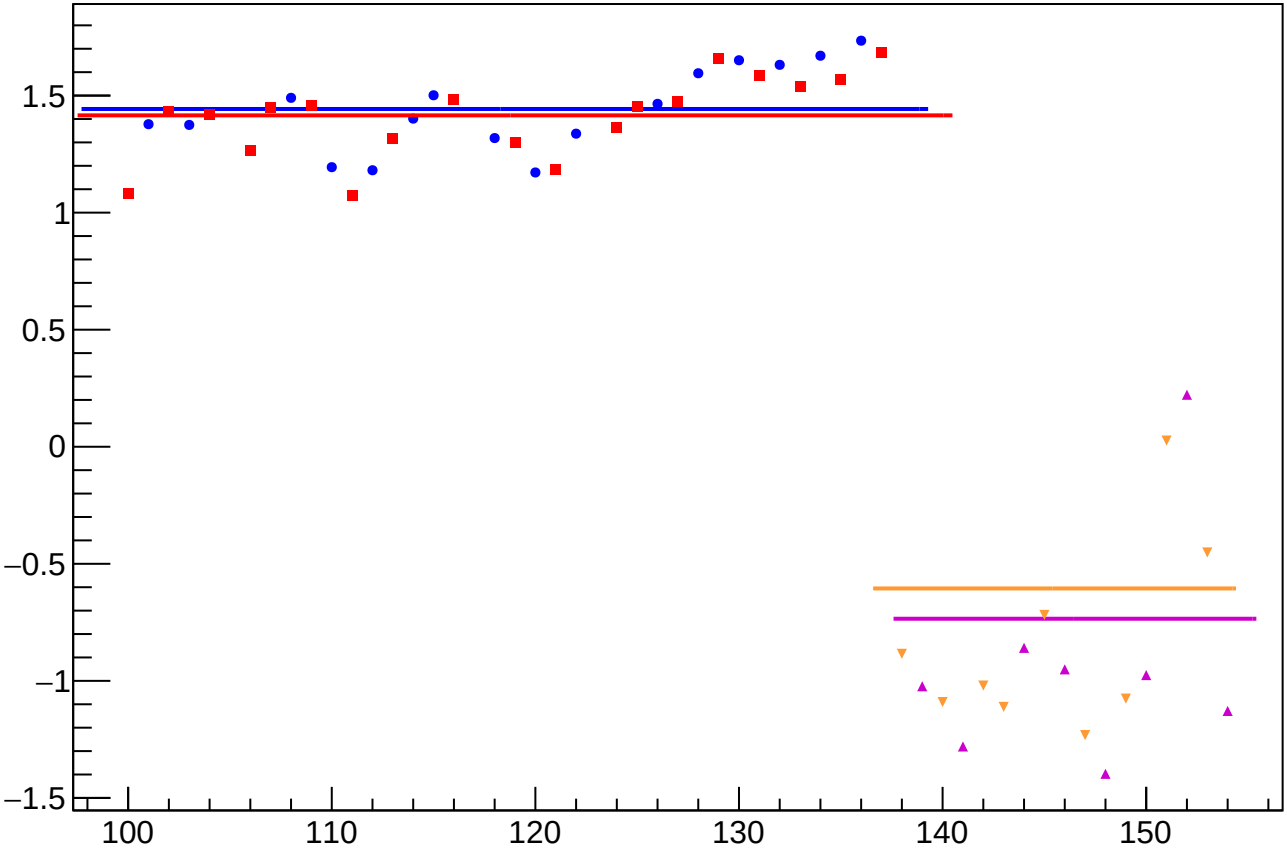
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:1345216.8/23

Out: 0.011+/-0.000 χ^2/NDF:1447126.3/27

All: 0.011+/-0.000 χ^2/NDF: 2803215.6/51

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: -0.735+/-0.000 χ^2/NDF:31352540022.7/7

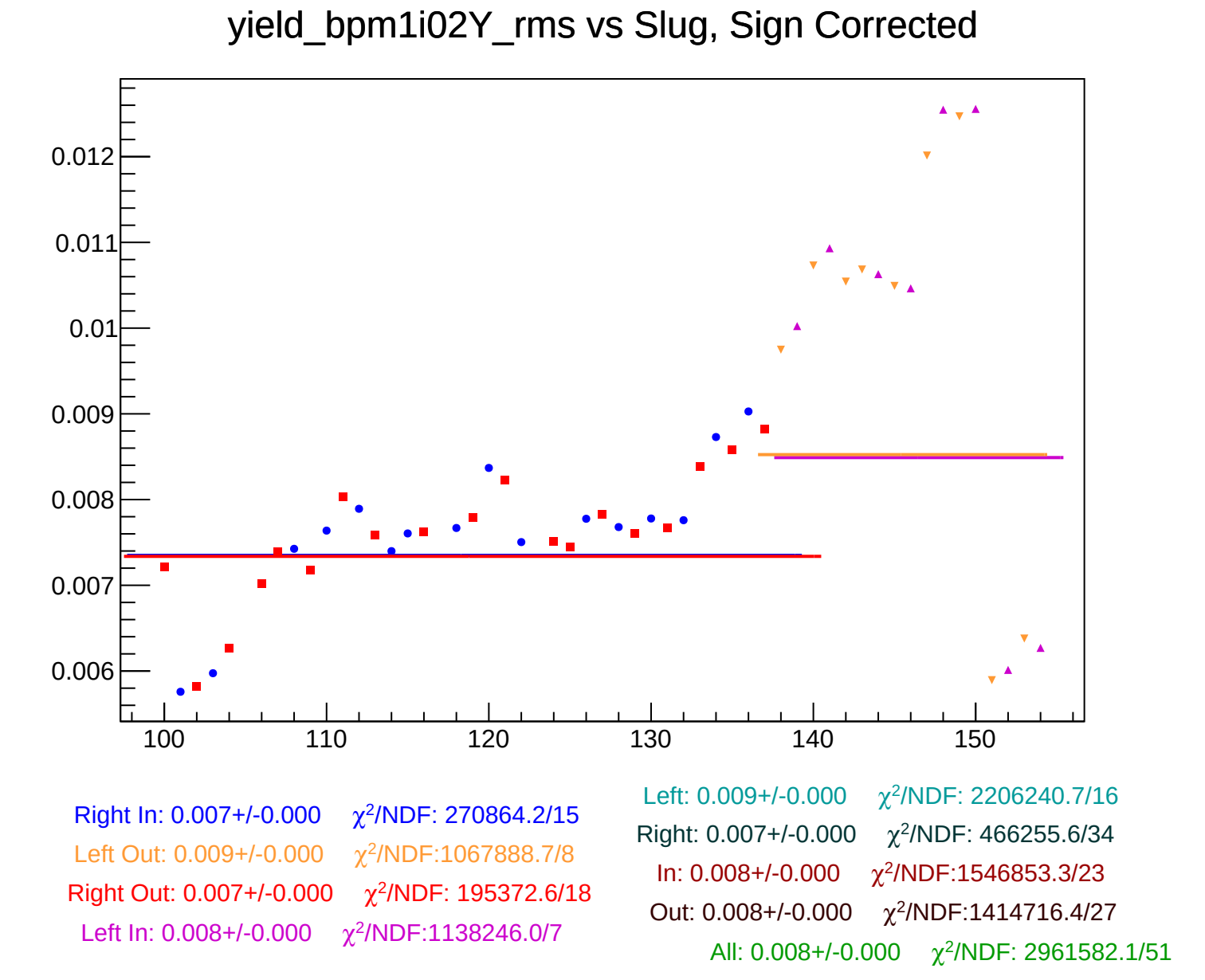
Left: -0.670+/-0.000 χ^2/NDF: 50372588614.6/16

Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

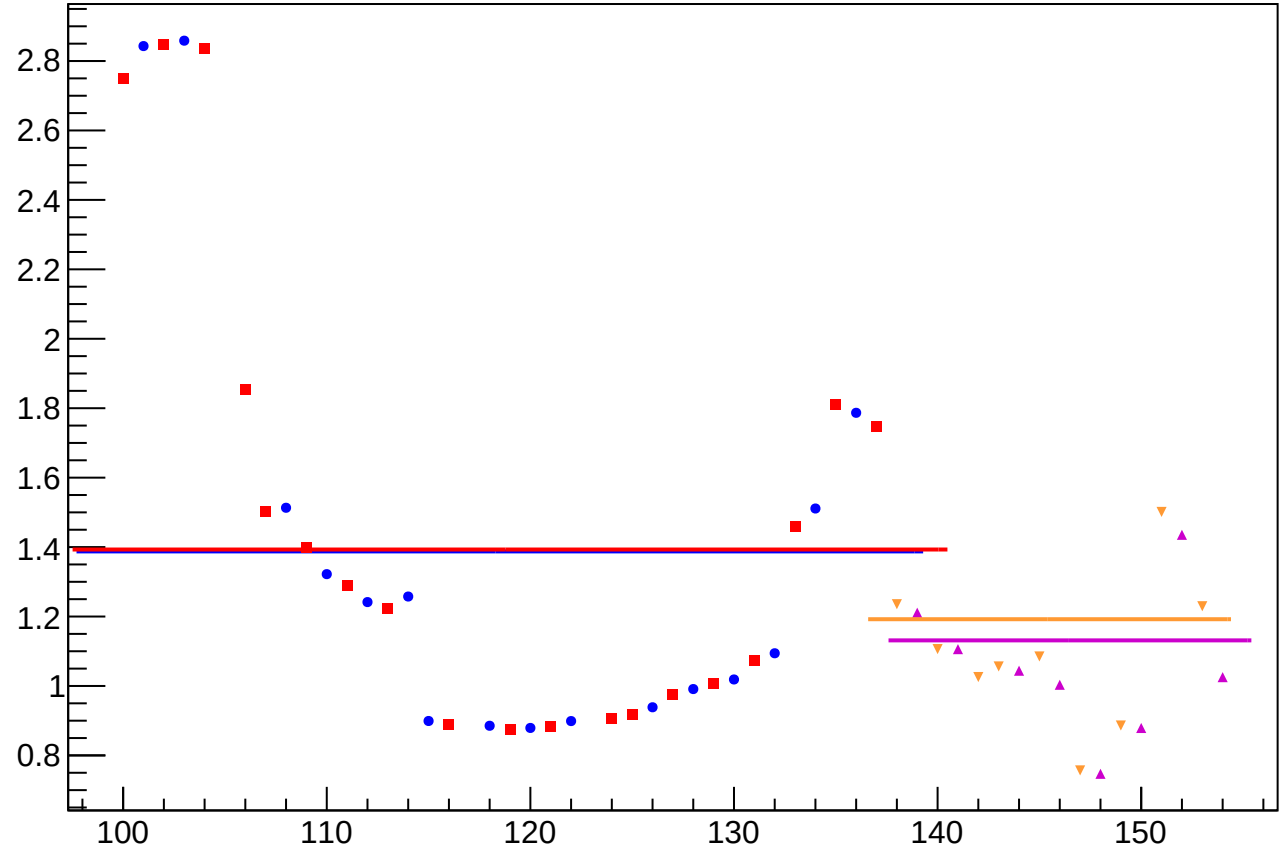
In: 0.561+/-0.000 χ^2/NDF:286191120195.8/23

Out: 0.622+/-0.000 χ^2/NDF:240639996399.4/27

All: 0.592+/-0.000 χ^2/NDF: 527241211476.9


yield_bpm1i02Y_rms vs Slug, Sign Corrected
0.012
0.011
0.01
0.009
0.008
0.007
0.006
100
110
120
130
140
150
Right In: 0.007+/-0.000 χ²/NDF: 270864.2/15
Left Out: 0.009+/-0.000 χ²/NDF:1067888.7/8
Right Out: 0.007+/-0.000 χ²/NDF: 195372.6/18
Left In: 0.008+/-0.000 χ²/NDF:1138246.0/7
Left: 0.009+/-0.000 χ²/NDF: 2206240.7/16
Right: 0.007+/-0.000 χ²/NDF: 466255.6/34
In: 0.008+/-0.000 χ²/NDF:1546853.3/23
Out: 0.008+/-0.000 χ²/NDF:1414716.4/27
All: 0.008+/-0.000 χ²/NDF: 2961582.1/51

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: 1.131+/-0.000 χ^2/NDF:3854555374.4/7

Left: 1.163+/-0.000 χ^2/NDF: 8343950549.7/16

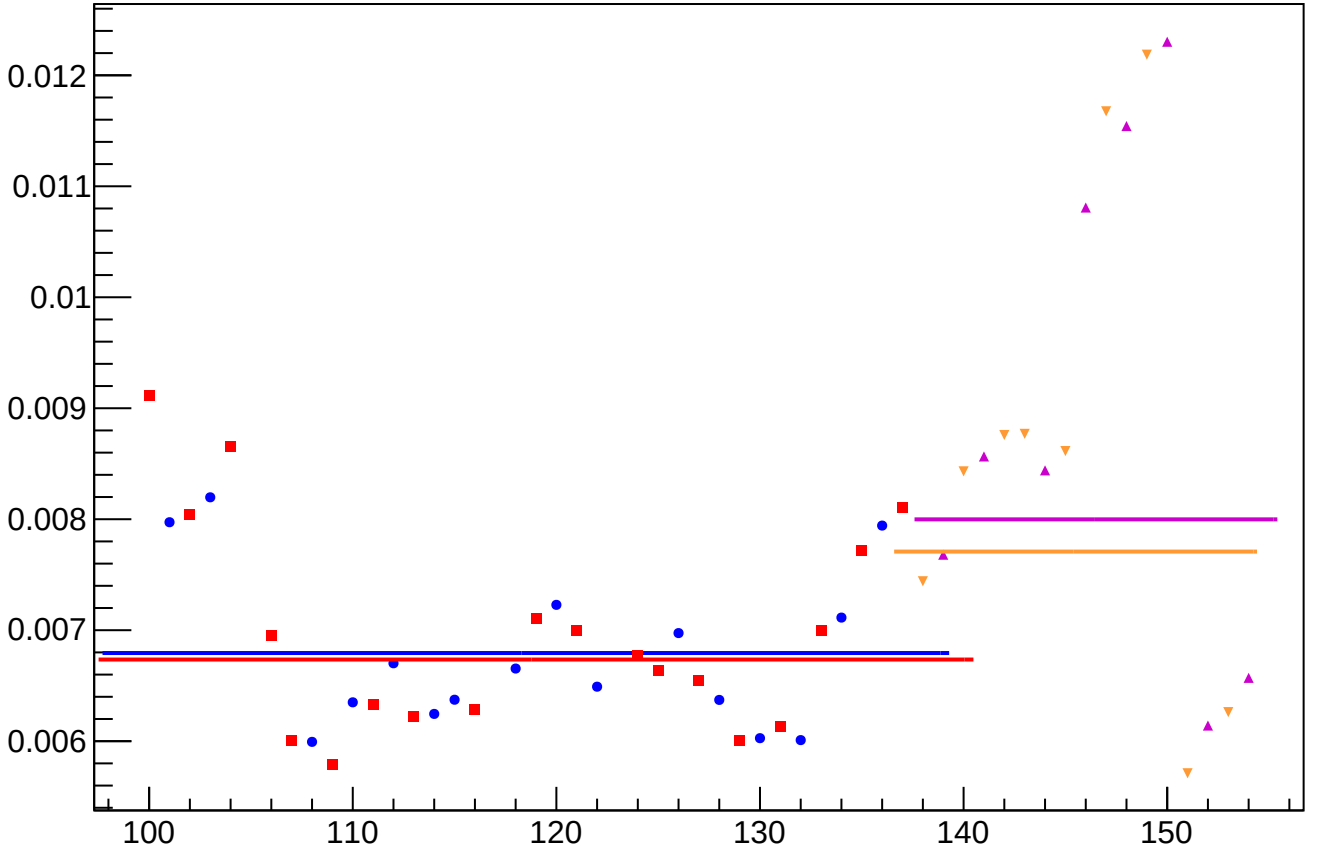
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.287+/-0.000 χ^2/NDF:66436732496.3/23

Out: 1.314+/-0.000 χ^2/NDF:62247720860.0/27

All: 1.301+/-0.000 χ^2/NDF: 128777716948.3

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:713200.9/7

Left: 0.008+/-0.000 χ^2/NDF: 1436843.1/16

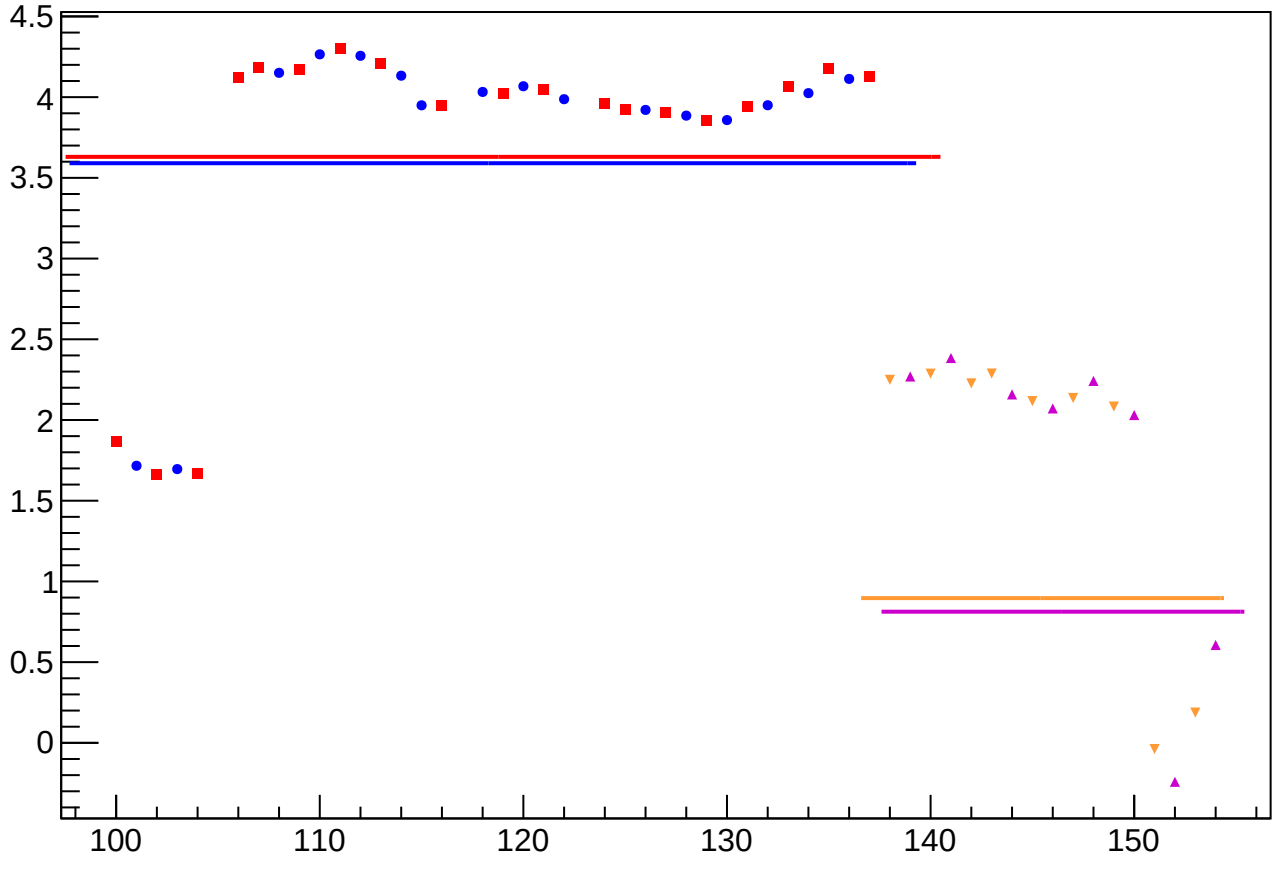
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1053010.3/23

Out: 0.007+/-0.000 χ^2/NDF:1034768.3/27

All: 0.007+/-0.000 χ^2/NDF: 2093436.5/51

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: 0.812+/-0.000 χ^2/NDF:236610578849.6/7

Left: 0.853+/-0.000 χ^2/NDF: 463524852187.8/16

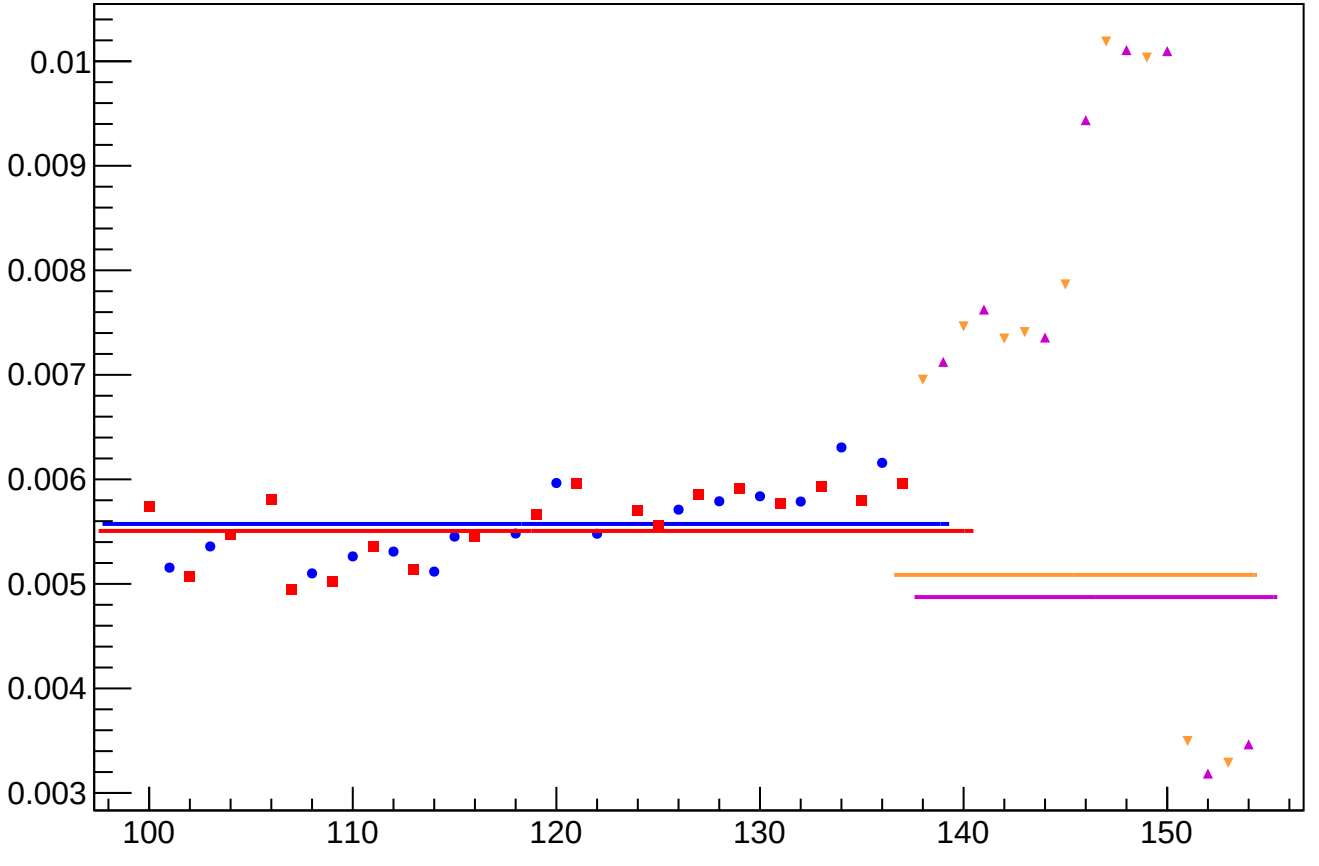
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 2.217+/-0.000 χ^2/NDF:1319528205639.1/23

Out: 2.355+/-0.000 χ^2/NDF:1278025946009.2/27

All: 2.285+/-0.000 χ^2/NDF: 2601902466991.

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: 0.005+/-0.000 χ^2/NDF:2554282.3/7

Left: 0.005+/-0.000 χ^2/NDF: 4763911.3/16

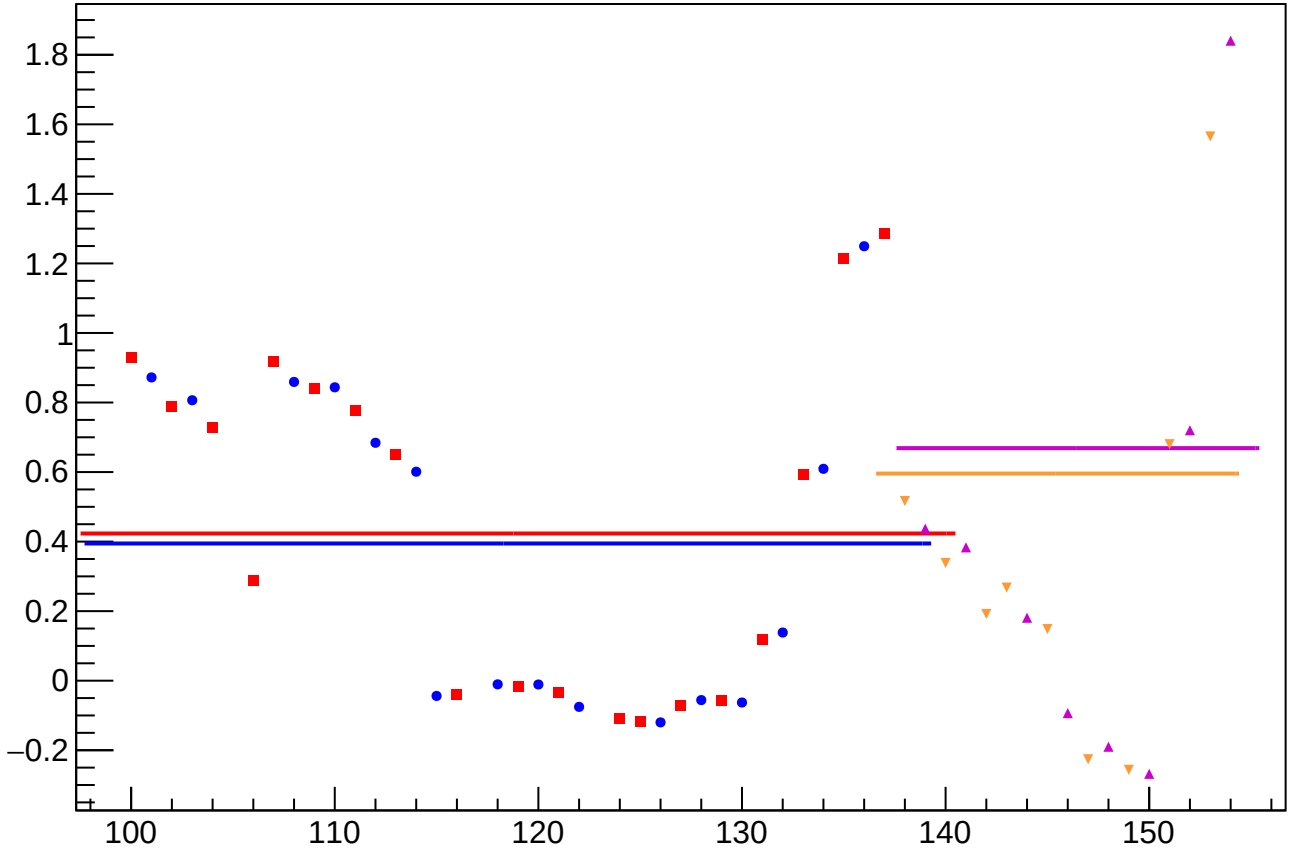
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:2725129.2/23

Out: 0.005+/-0.000 χ^2/NDF:2296883.5/27

All: 0.005+/-0.000 χ^2/NDF: 5025149.4/51

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: 0.669+/-0.000 χ^2/NDF:19873812425.9/7

Left: 0.633+/-0.000 χ^2/NDF: 33091008068.2/16

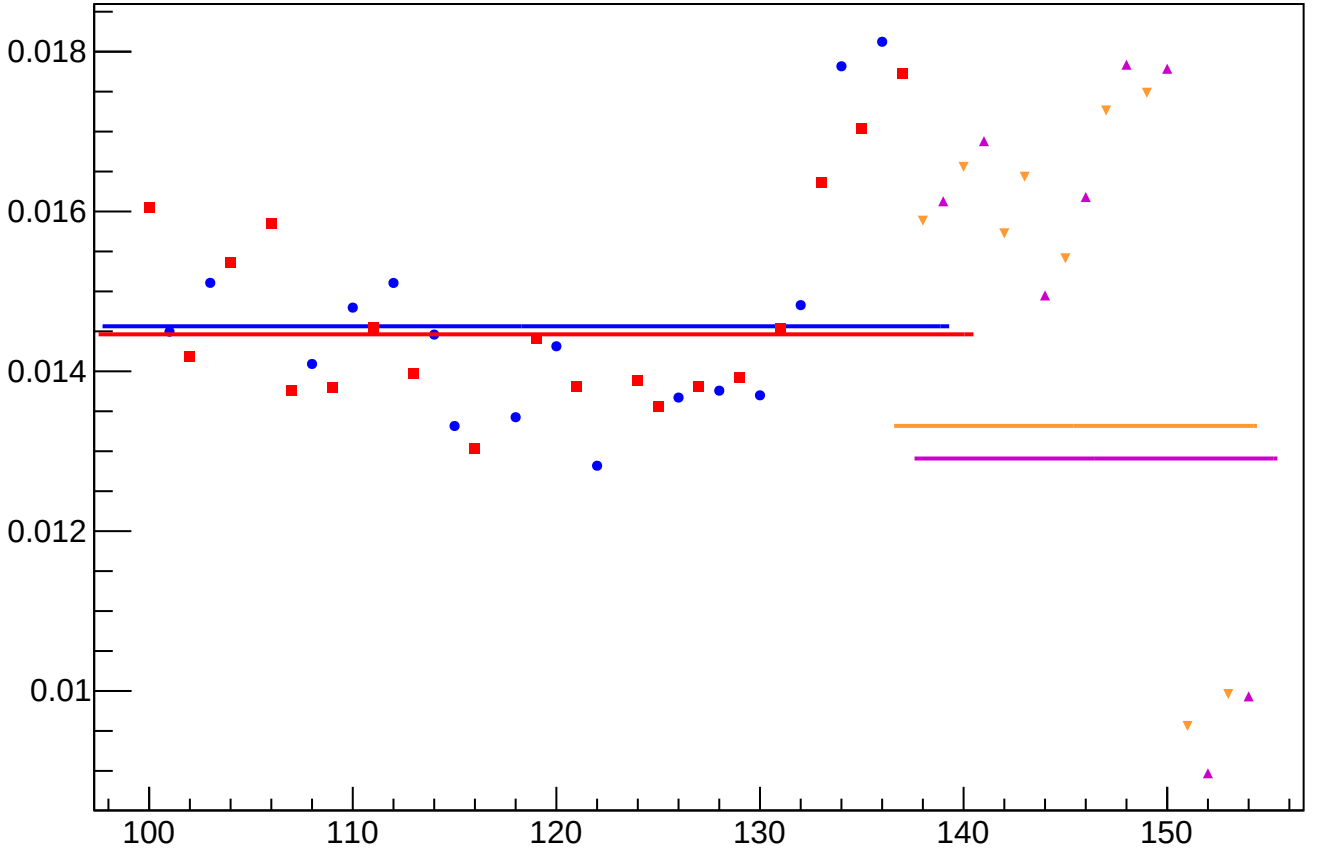
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.541+/-0.000 χ^2/NDF:28632111672.7/23

Out: 0.511+/-0.000 χ^2/NDF:20549799311.6/27

All: 0.526+/-0.000 χ^2/NDF: 49213606388.1/5

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: 0.013+/-0.000 χ^2/NDF:1012650.1/7

Left: 0.013+/-0.000 χ^2/NDF: 1838429.6/16

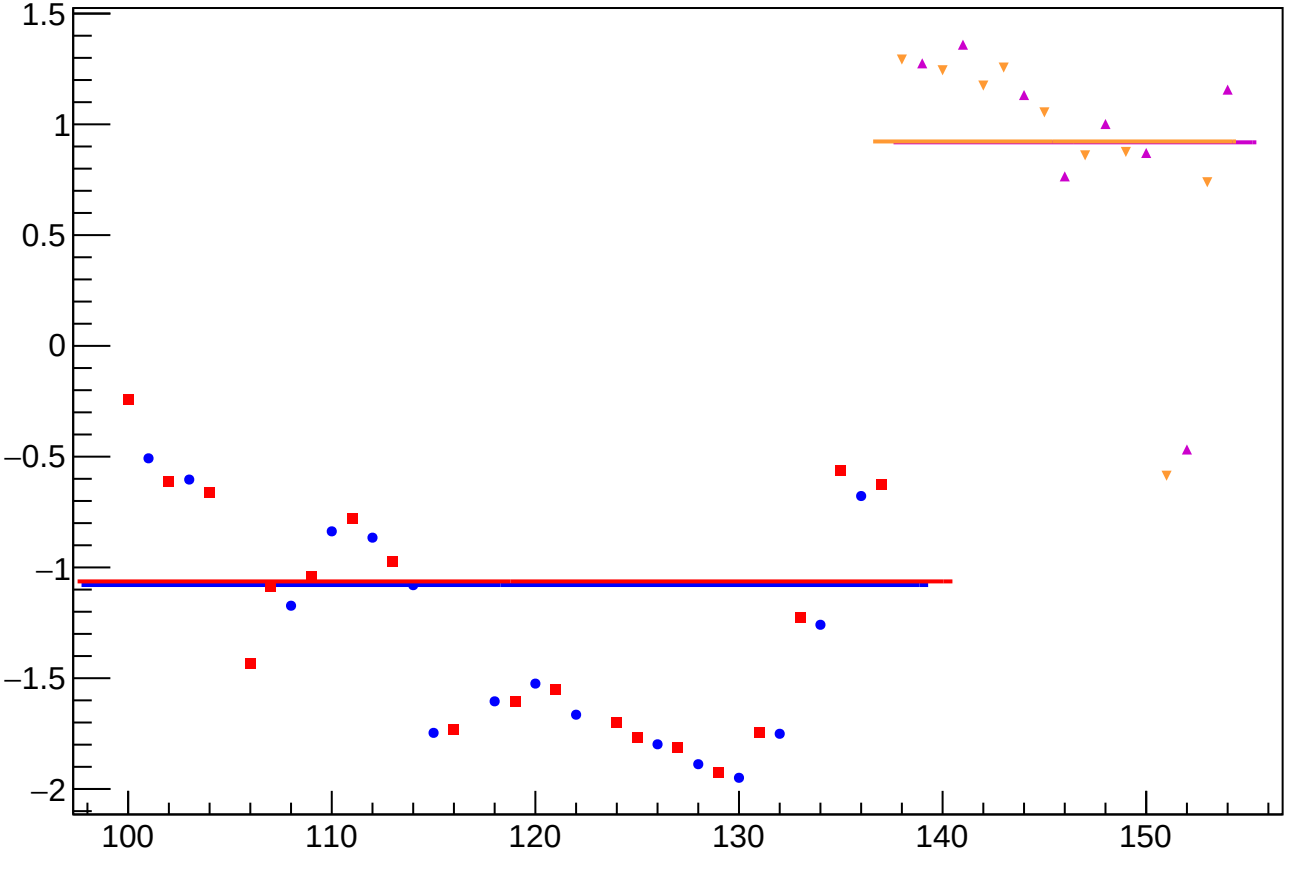
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.014+/-0.000 χ^2/NDF:1243726.4/23

Out: 0.014+/-0.000 χ^2/NDF:943717.6/27

All: 0.014+/-0.000 χ^2/NDF: 2190246.9/51

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: 0.919+/-0.000 χ^2/NDF:108173334627.0/7

Left: 0.921+/-0.000 χ^2/NDF: 206233282521.8/16

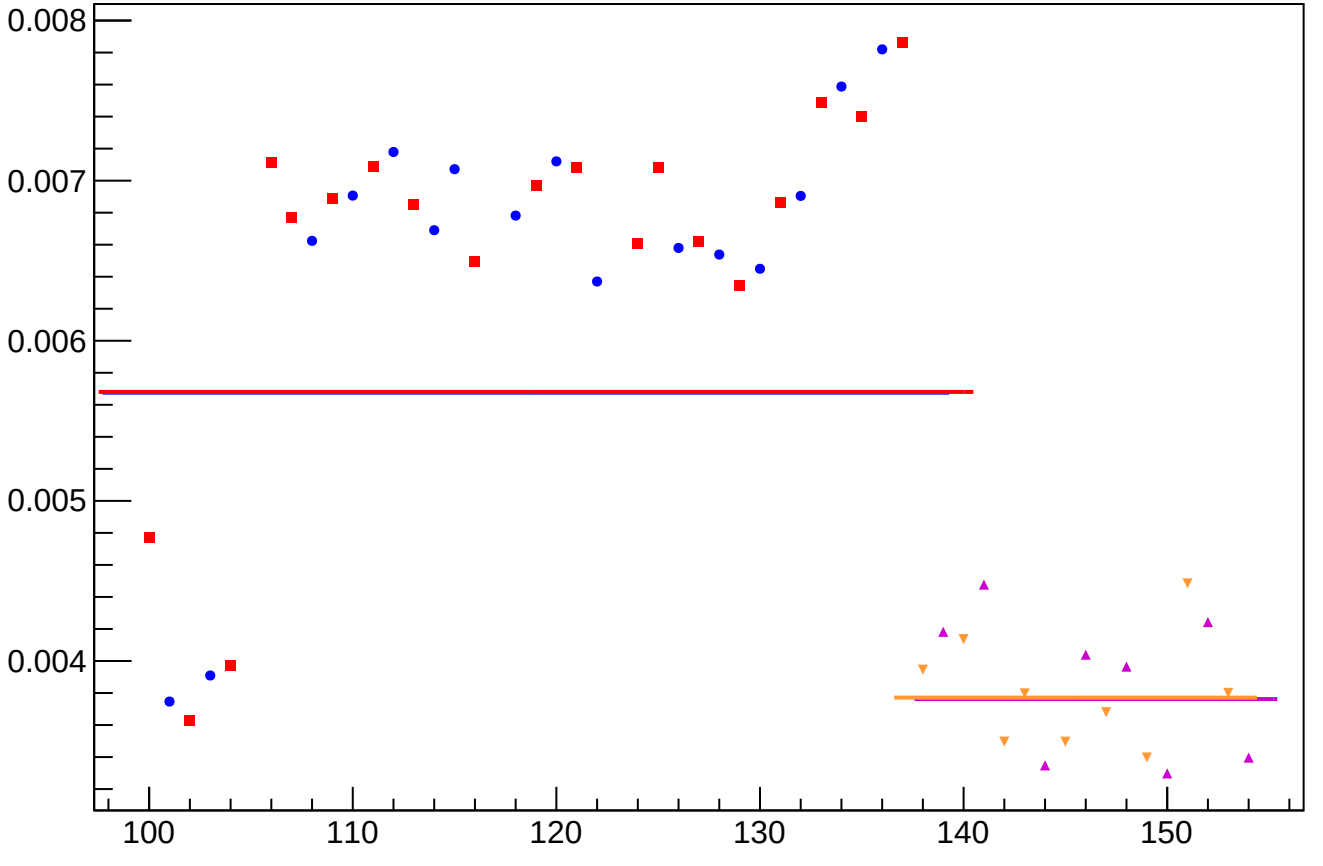
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.290+/-0.000 χ^2/NDF:708737062176.1/23

Out: 0.297+/-0.000 χ^2/NDF:687567939216.2/27

All: 0.293+/-0.000 χ^2/NDF: 1396318954862.

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:163889.2/7

Left: 0.004+/-0.000 χ^2/NDF: 244945.2/16

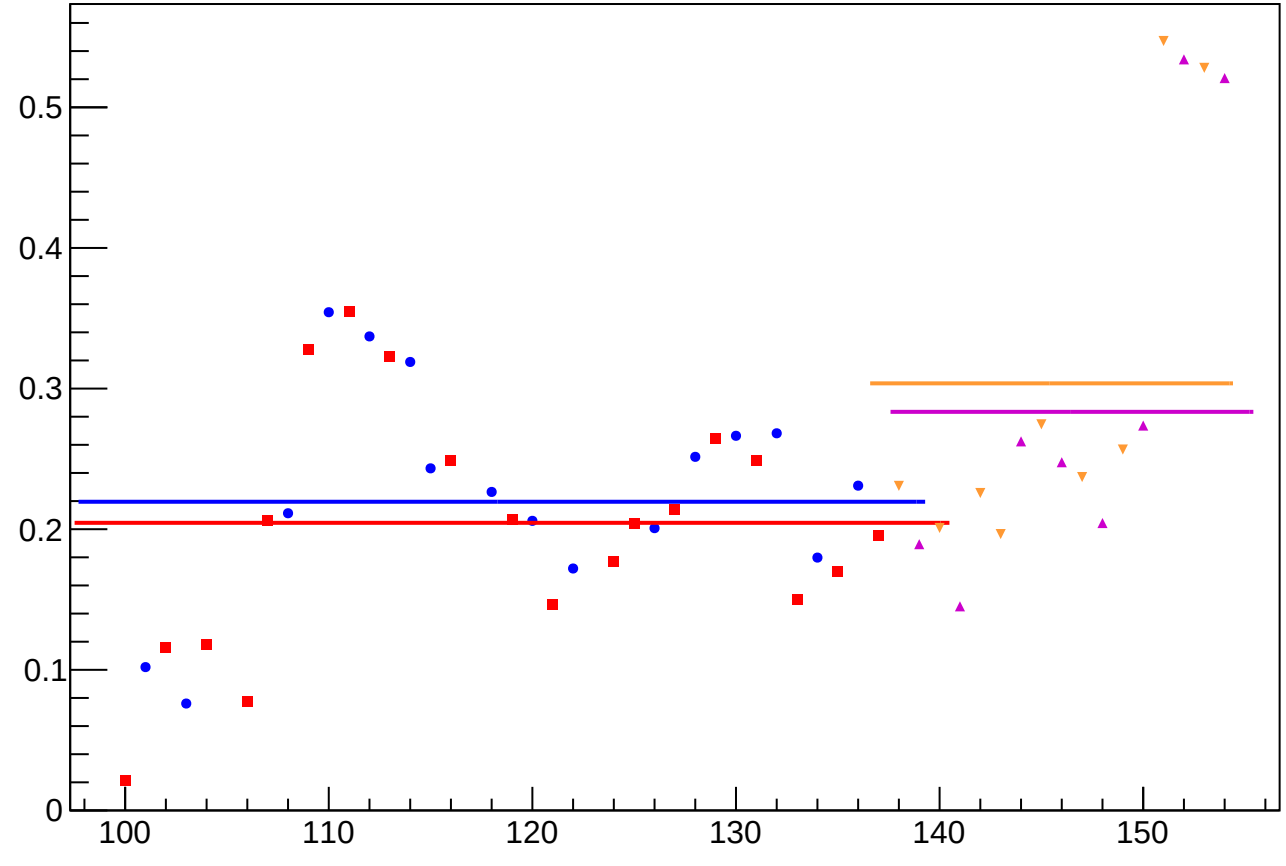
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2100839.5/23

Out: 0.004+/-0.000 χ^2/NDF:2059316.1/27

All: 0.004+/-0.000 χ^2/NDF: 4160203.3/51

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: 0.283+/-0.000 χ^2/NDF:52911370680.5/7

Left: 0.294+/-0.000 χ^2/NDF: 114909563264.9/16

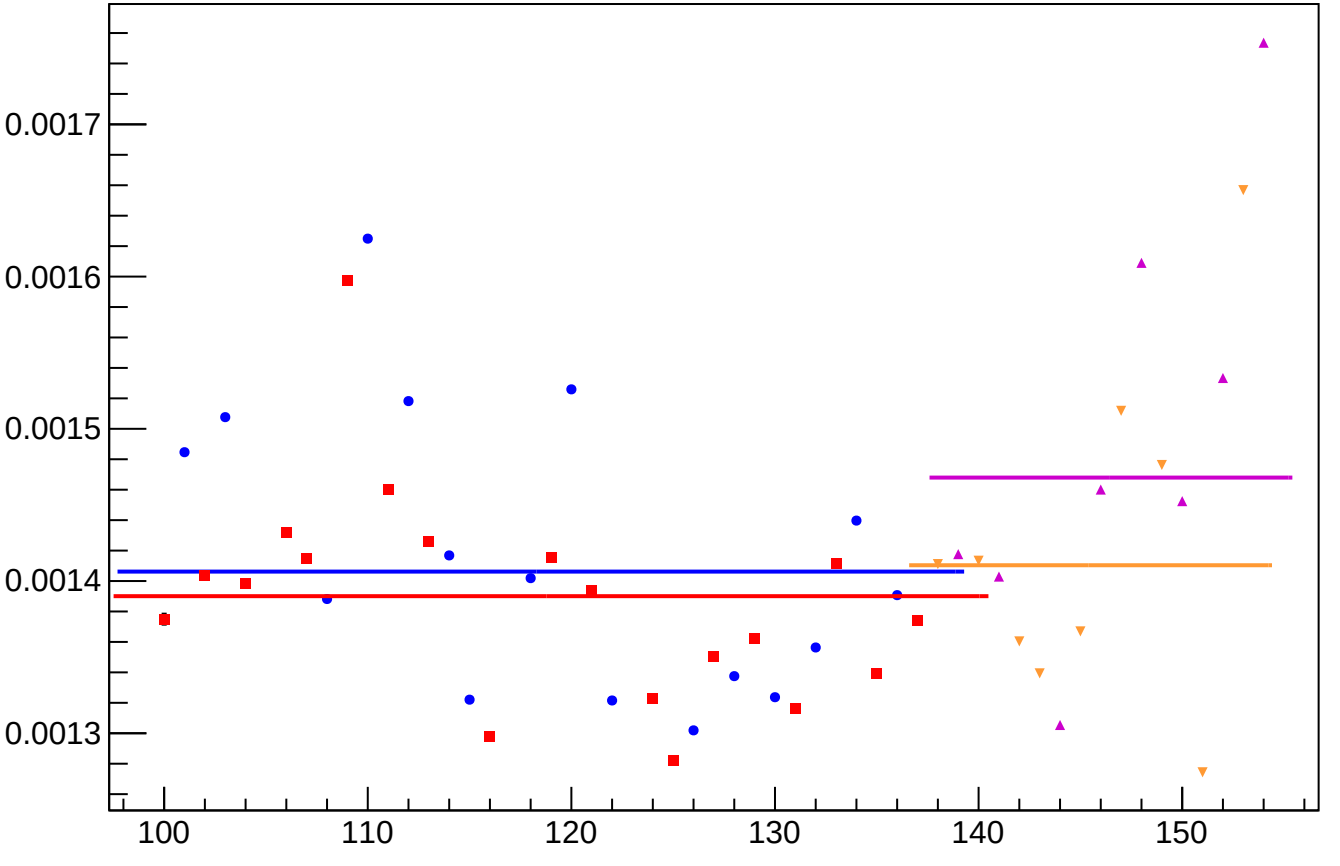
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.250+/-0.000 χ^2/NDF:76432227713.6/23

Out: 0.252+/-0.000 χ^2/NDF:101440919846.3/27

All: 0.251+/-0.000 χ^2/NDF: 177887987435.2

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:94528.6/7

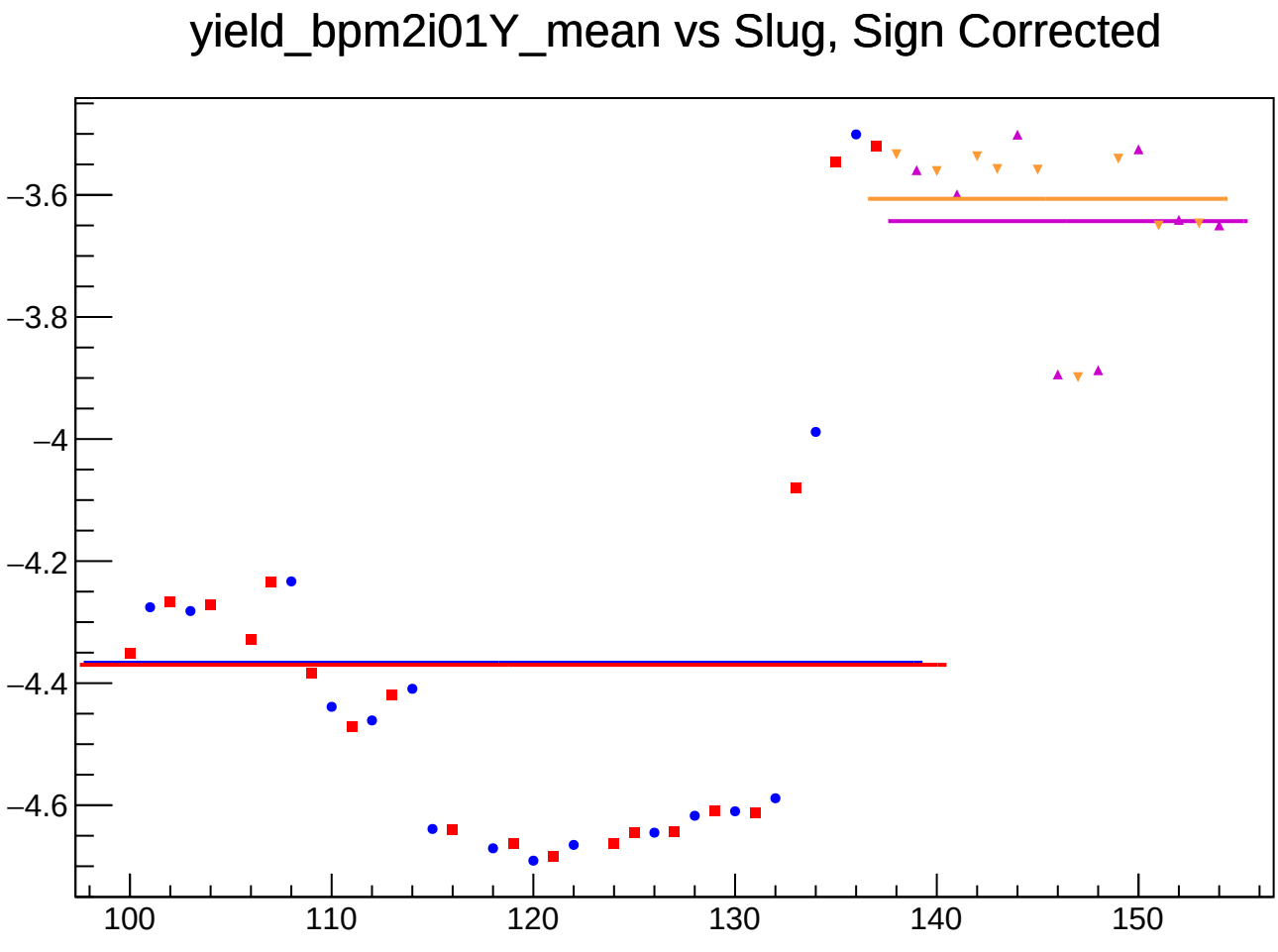
Left: 0.001+/-0.000 χ^2/NDF: 177869.6/16

Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:155399.6/23

Out: 0.001+/-0.000 χ^2/NDF:108675.7/27

All: 0.001+/-0.000 χ^2/NDF: 272923.9/51



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: -3.643+/-0.000 χ^2/NDF:32358586170.8/7

Left: -3.624+/-0.000 χ^2/NDF: 52747210854.9/16

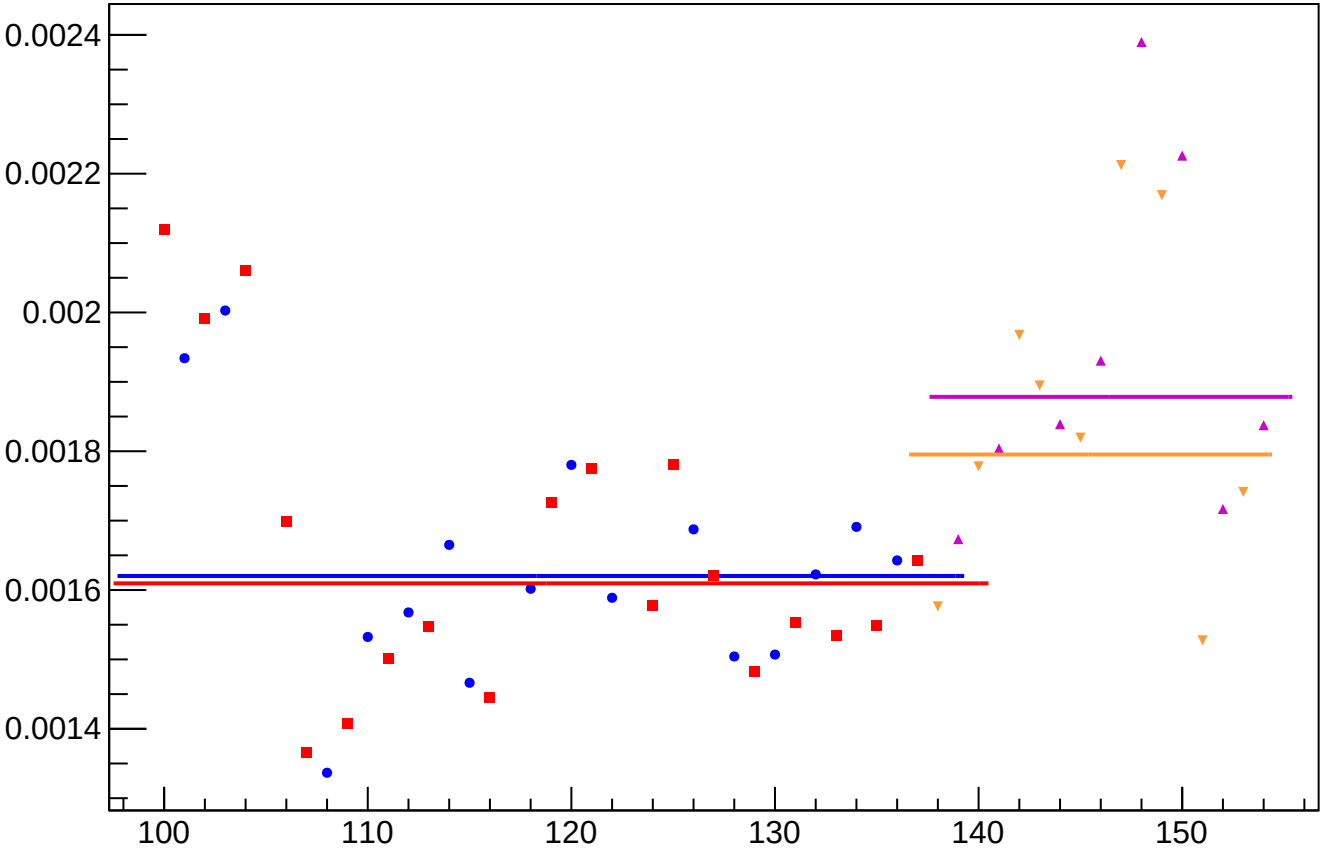
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.065+/-0.000 χ^2/NDF:956764464068.8/23

Out: -4.045+/-0.000 χ^2/NDF:997169788055.4/27

All: -4.055+/-0.000 χ^2/NDF: 1954863474428

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:160285.6/7

Left: 0.002+/-0.000 χ^2/NDF: 368238.7/16

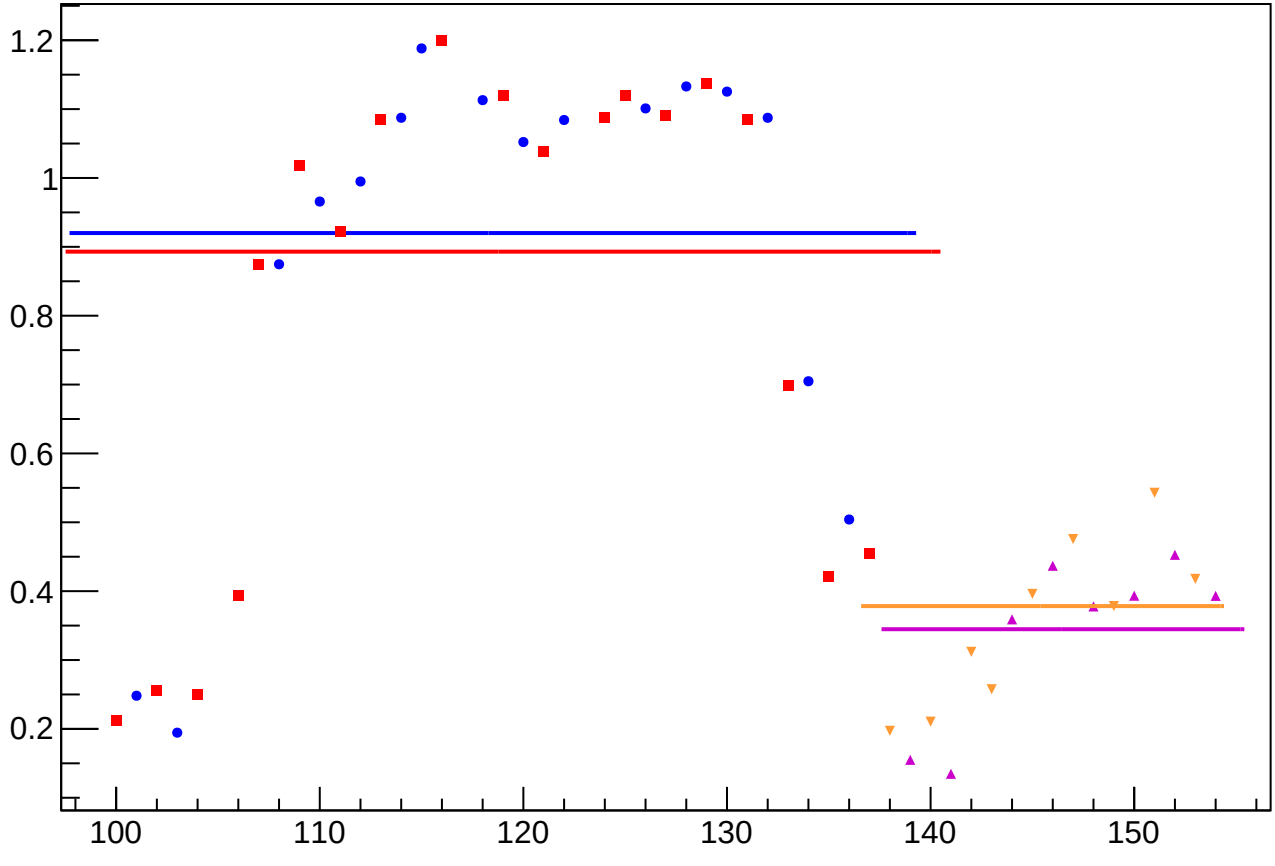
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:445927.8/23

Out: 0.002+/-0.000 χ^2/NDF:460106.8/27

All: 0.002+/-0.000 χ^2/NDF: 913153.7/51

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: 0.345+/-0.000 χ^2/NDF:1332386479.6/7

Left: 0.362+/-0.000 χ^2/NDF: 3003381434.7/16

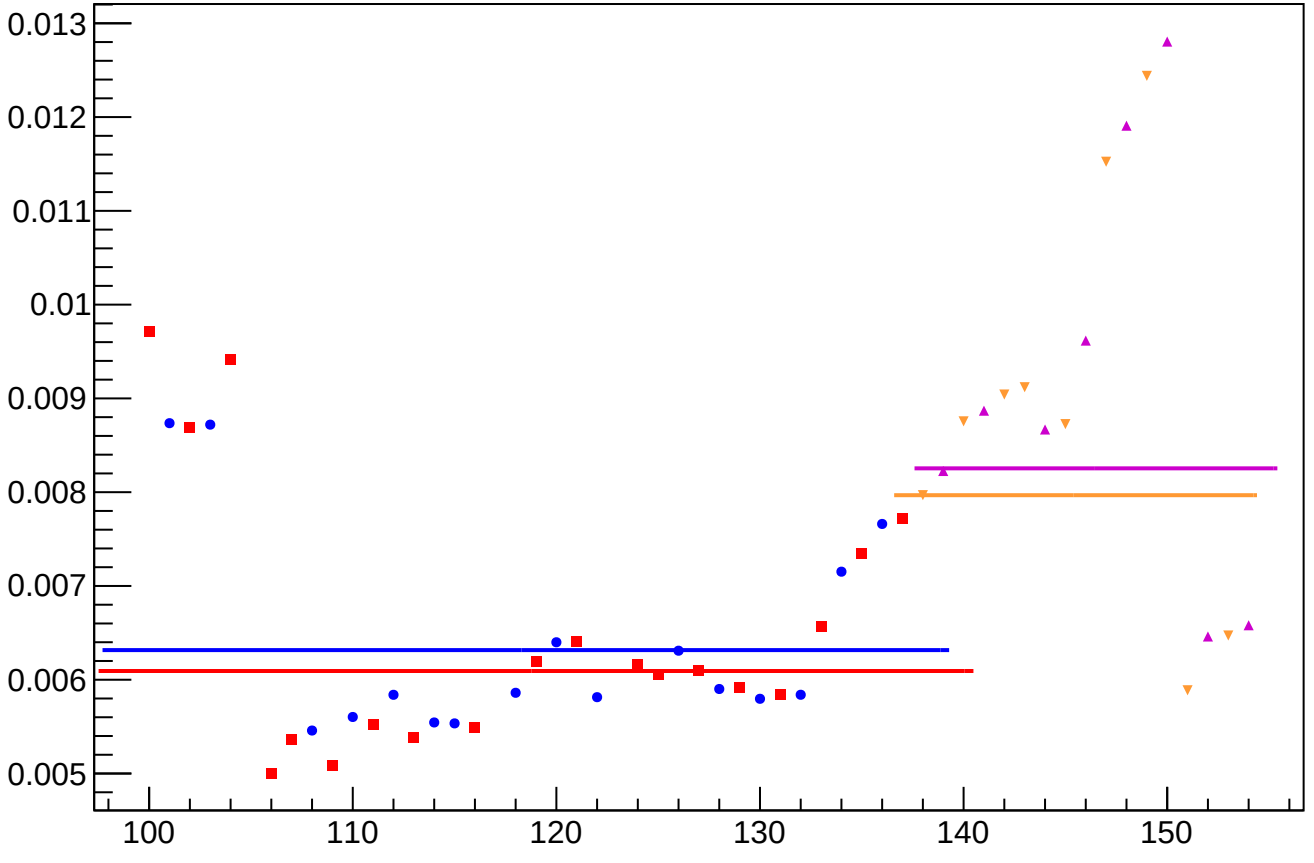
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.715+/-0.000 χ^2/NDF:36615237028.1/23

Out: 0.714+/-0.000 χ^2/NDF:37216818928.8/27

All: 0.715+/-0.000 χ^2/NDF: 73832127735.1/5

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: 0.008+/-0.000 χ^2/NDF:675740.0/7

Left: 0.008+/-0.000 χ^2/NDF: 1415514.7/16

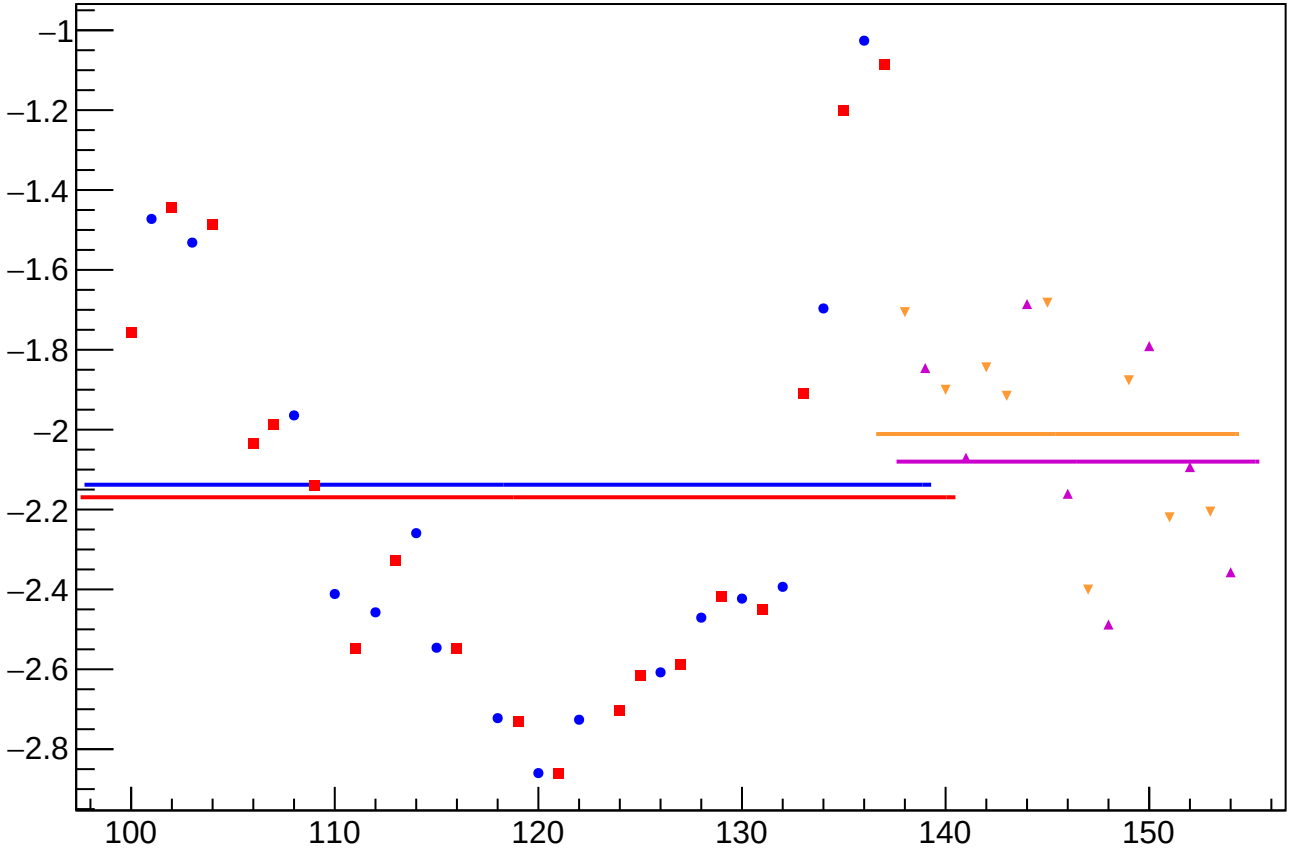
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1481742.9/23

Out: 0.007+/-0.000 χ^2/NDF:1644003.5/27

All: 0.007+/-0.000 χ^2/NDF: 3145445.2/51

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: -2.080+/-0.000 χ^2/NDF:7590051213.1/7

Left: -2.045+/-0.000 χ^2/NDF: 15343910658.8/16

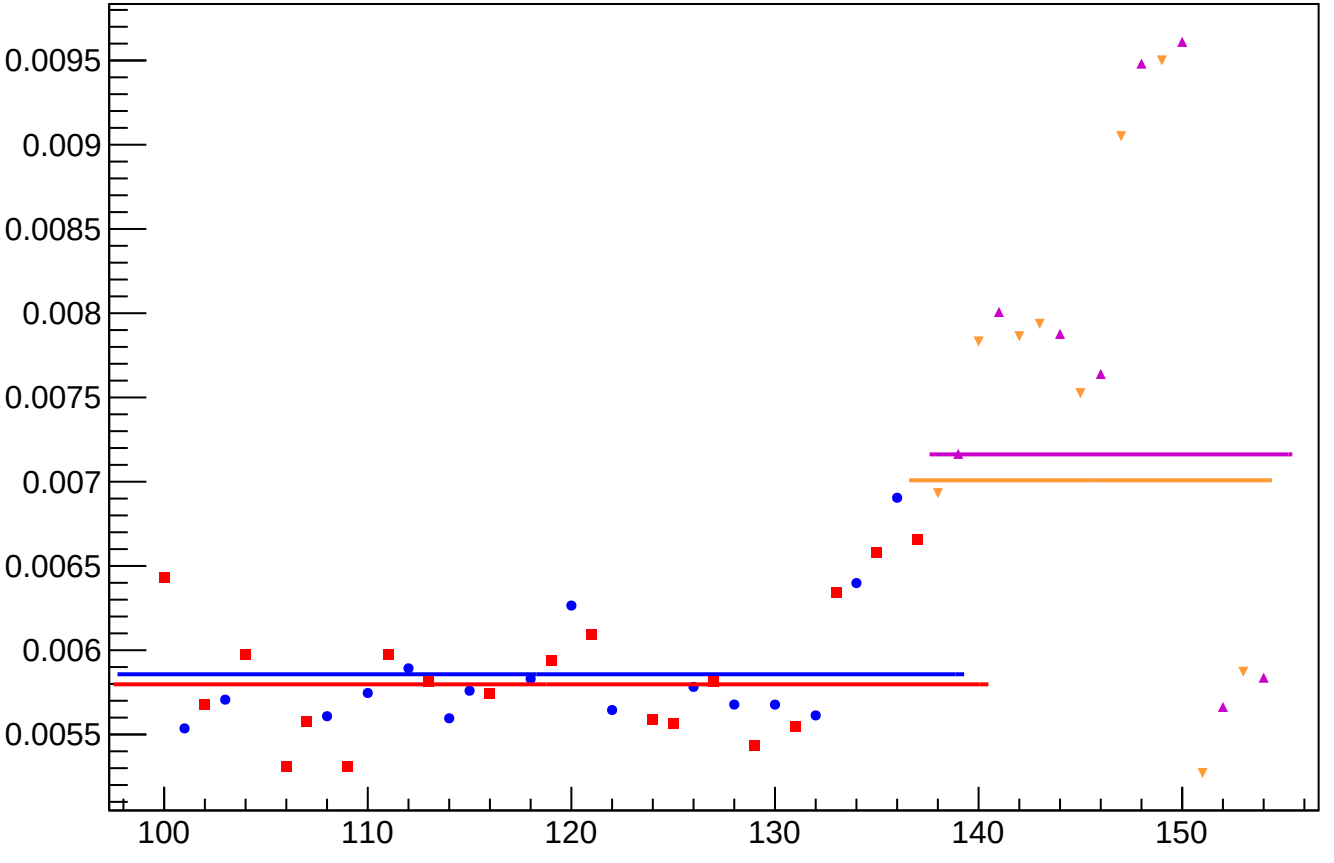
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.116+/-0.000 χ^2/NDF:73527414356.9/23

Out: -2.109+/-0.000 χ^2/NDF:66968444729.0/27

All: -2.112+/-0.000 χ^2/NDF: 140503993335.9

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:468697.4/7

Left: 0.007+/-0.000 χ^2/NDF: 972180.5/16

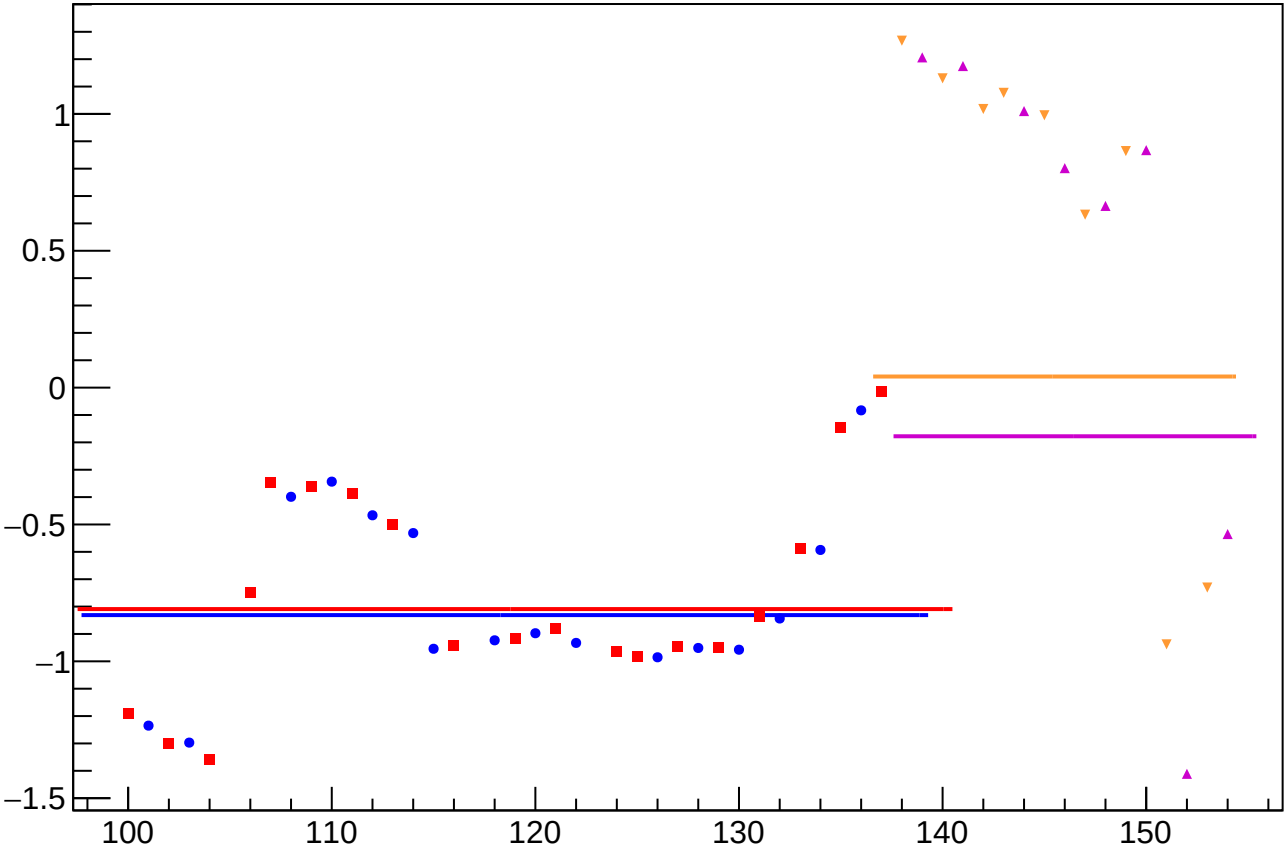
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:806071.5/23

Out: 0.006+/-0.000 χ^2/NDF:805327.1/27

All: 0.006+/-0.000 χ^2/NDF: 1614934.8/51

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: -0.178+/-0.000 χ^2/NDF:80233165177.4/7

Left: -0.072+/-0.000 χ^2/NDF: 140741279560.3/16

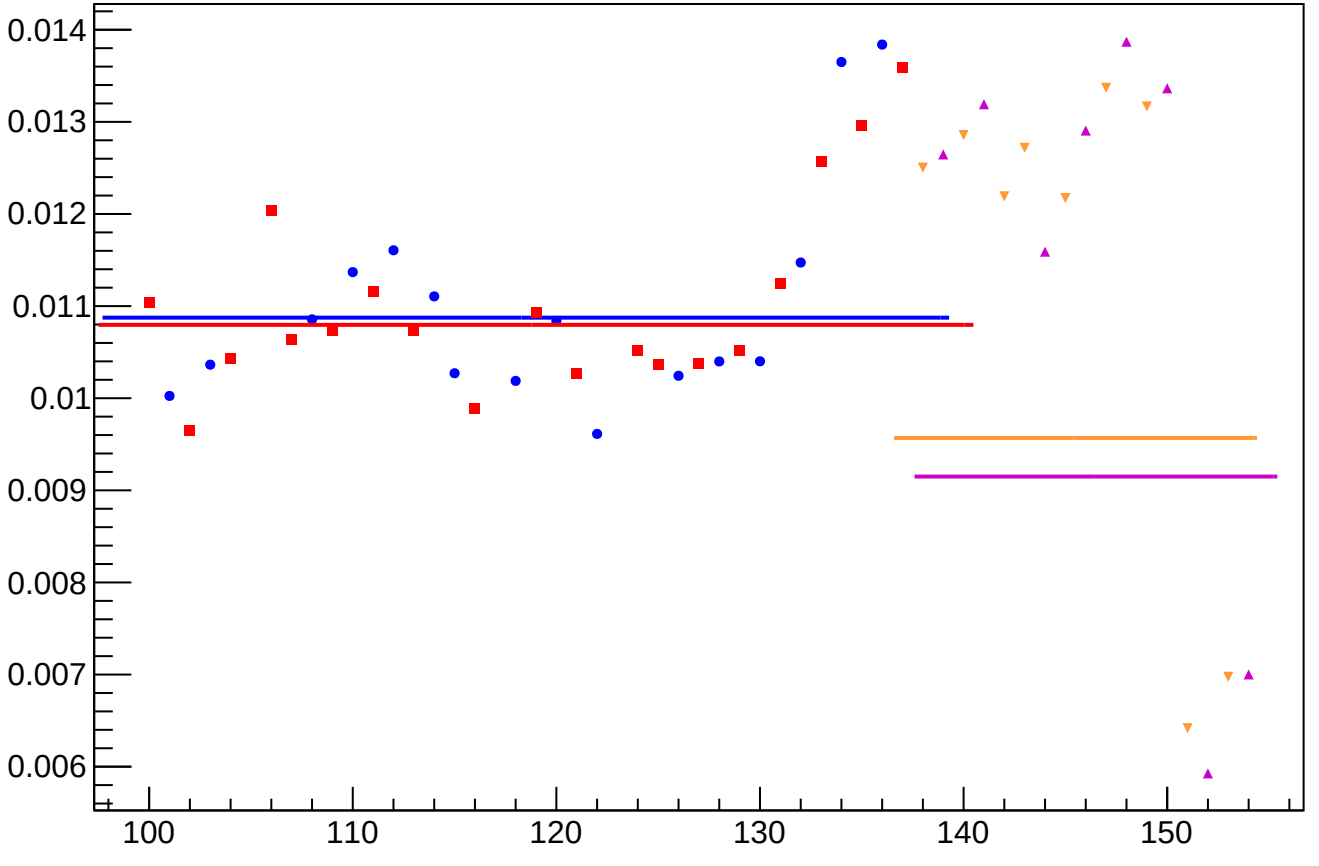
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.472+/-0.000 χ^2/NDF:101305061698.2/23

Out: -0.366+/-0.000 χ^2/NDF:90340807489.4/27

All: -0.419+/-0.000 χ^2/NDF: 192383653344.3

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: 0.009+/-0.000 χ^2/NDF:1535291.5/7

Left: 0.009+/-0.000 χ^2/NDF: 2796782.1/16

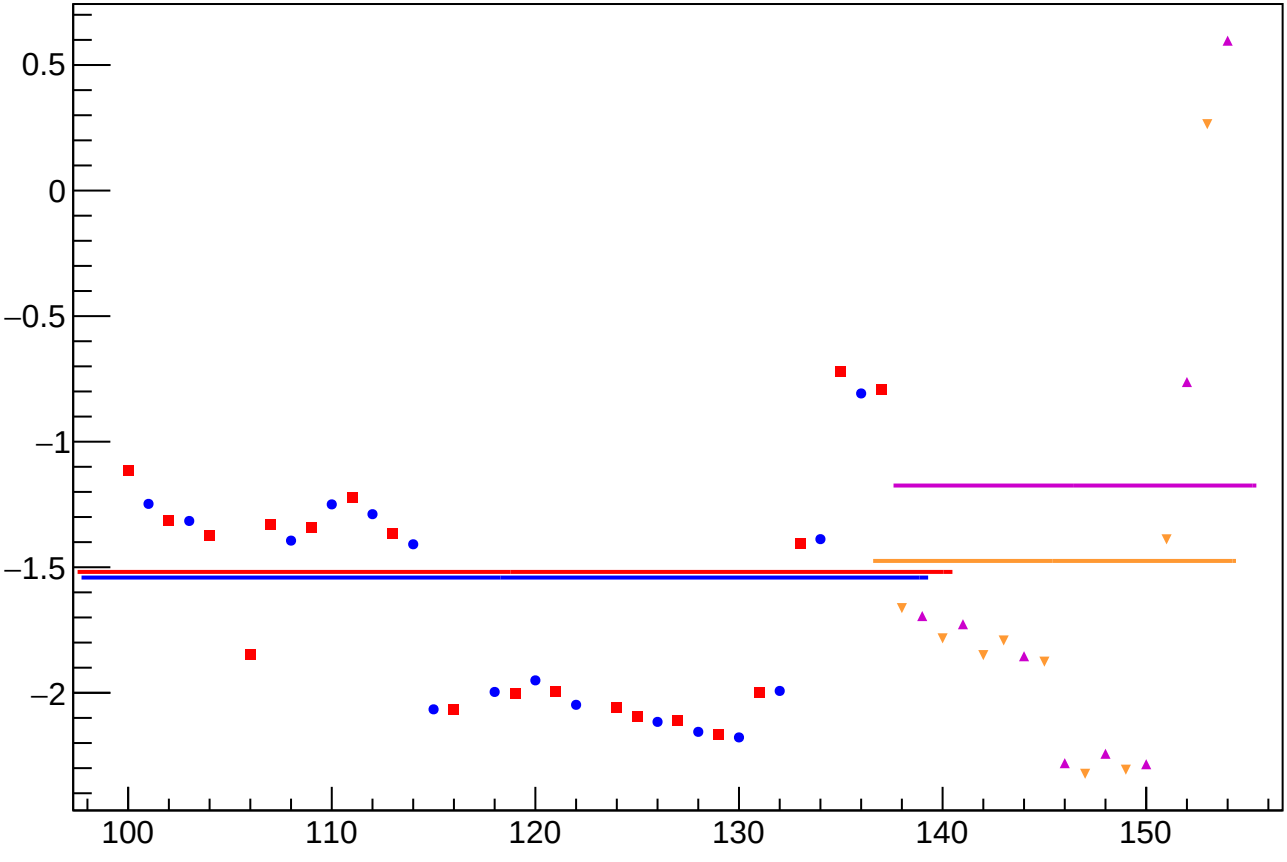
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.010+/-0.000 χ^2/NDF:1887508.9/23

Out: 0.010+/-0.000 χ^2/NDF:1445853.2/27

All: 0.010+/-0.000 χ^2/NDF: 3340240.0/51

yield_bpm0i01Y_mean vs Slug, Sign Corrected



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: -1.175+/-0.000 χ^2/NDF:650981491567.4/7

Left: -1.326+/-0.000 χ^2/NDF: 1066377585014.6/16

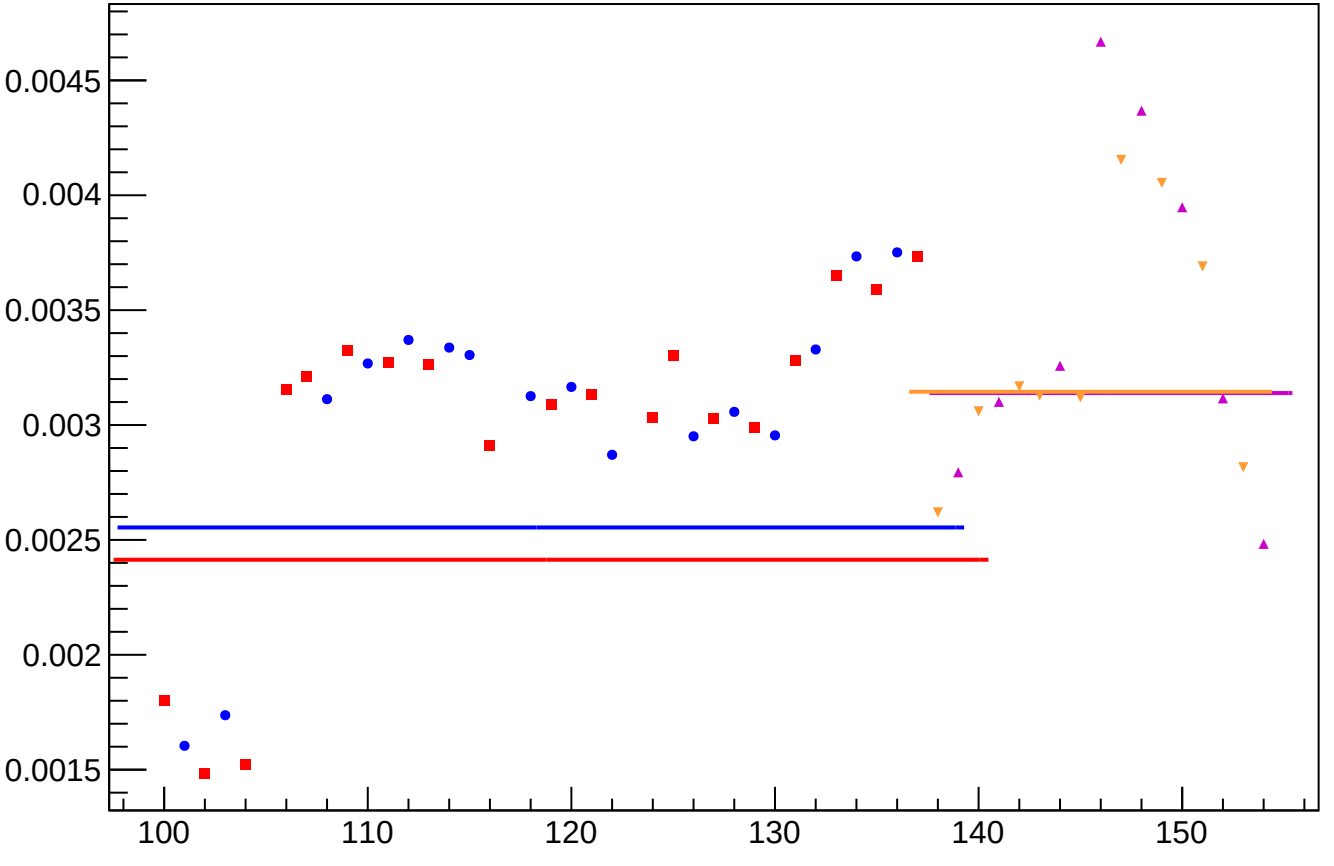
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.399+/-0.000 χ^2/NDF:861871499242.0/23

Out: -1.502+/-0.000 χ^2/NDF:534386373855.2/27

All: -1.452+/-0.000 χ^2/NDF: 1404691664526

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:249933.3/8

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:427208.0/7

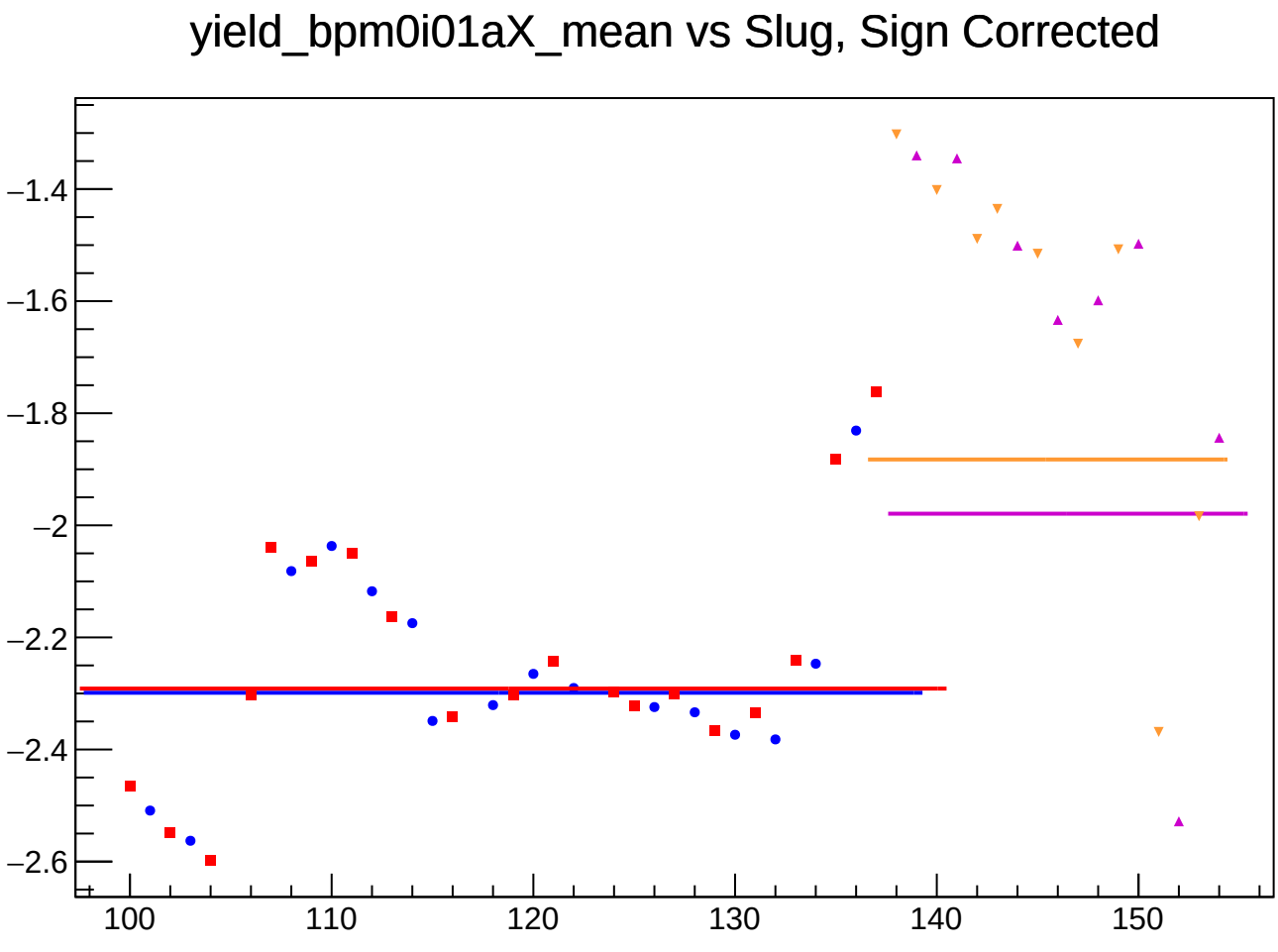
Left: 0.003+/-0.000 χ^2/NDF: 677160.8/16

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

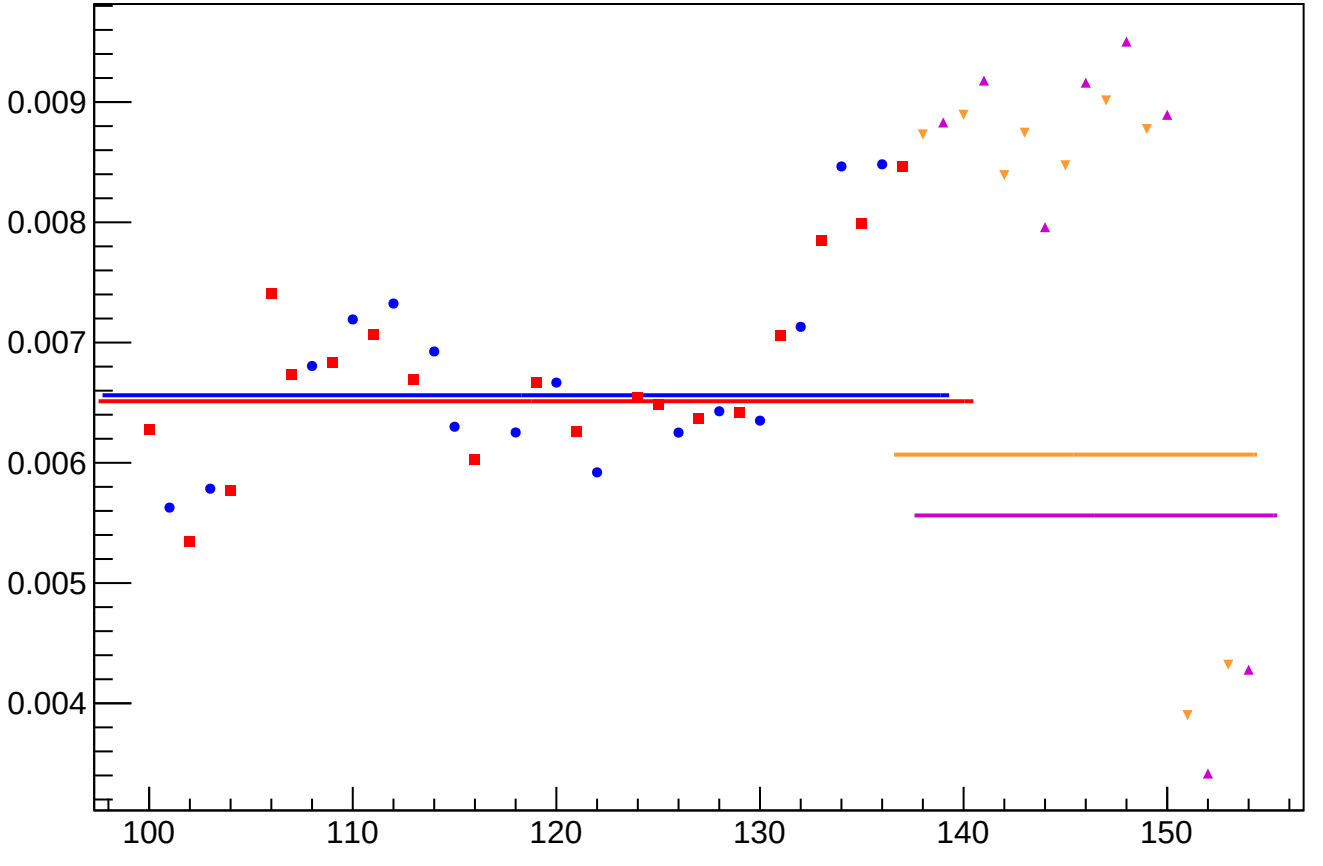
In: 0.003+/-0.000 χ^2/NDF:1846774.2/23

Out: 0.003+/-0.000 χ^2/NDF:2199869.6/27

All: 0.003+/-0.000 χ^2/NDF: 4061352.3/51


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.883+/-0.000 χ²/NDF:23869325442.7/8
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.979+/-0.000 χ²/NDF:38461601663.5/7
Left: -1.934+/-0.000 χ²/NDF: 63121622668.5/16
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.130+/-0.000 χ²/NDF:53274665761.3/23
Out: -2.092+/-0.000 χ²/NDF:44313293008.6/27
All: -2.111+/-0.000 χ²/NDF: 97819525016.4/

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:2209646.8/7

Left: 0.006+/-0.000 χ^2/NDF: 3928910.1/16

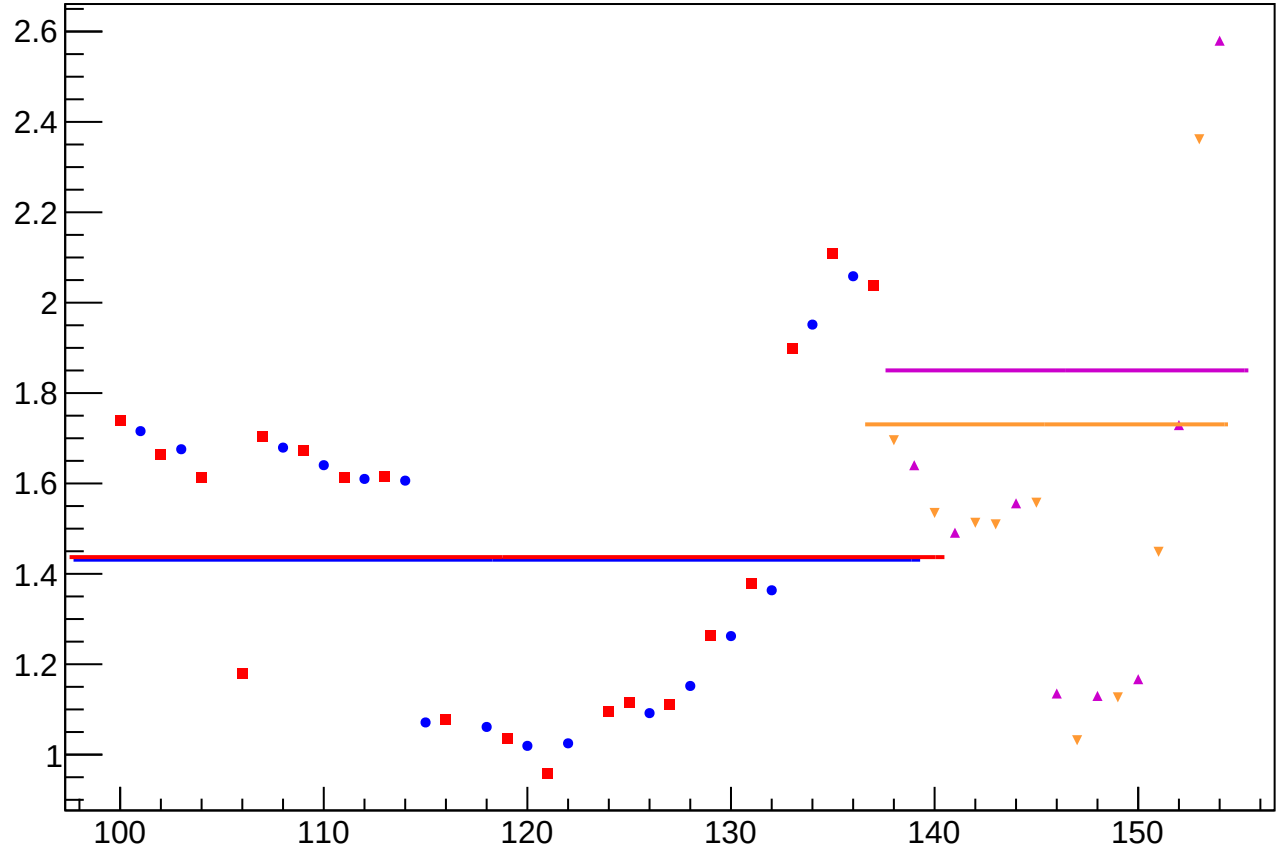
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.006+/-0.000 χ^2/NDF:2601577.1/23

Out: 0.006+/-0.000 χ^2/NDF:1893014.7/27

All: 0.006+/-0.000 χ^2/NDF: 4517733.5/51

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: 1.850+/-0.000 χ^2/NDF:80044804486.9/7

Left: 1.792+/-0.000 χ^2/NDF: 136775576379.5/16

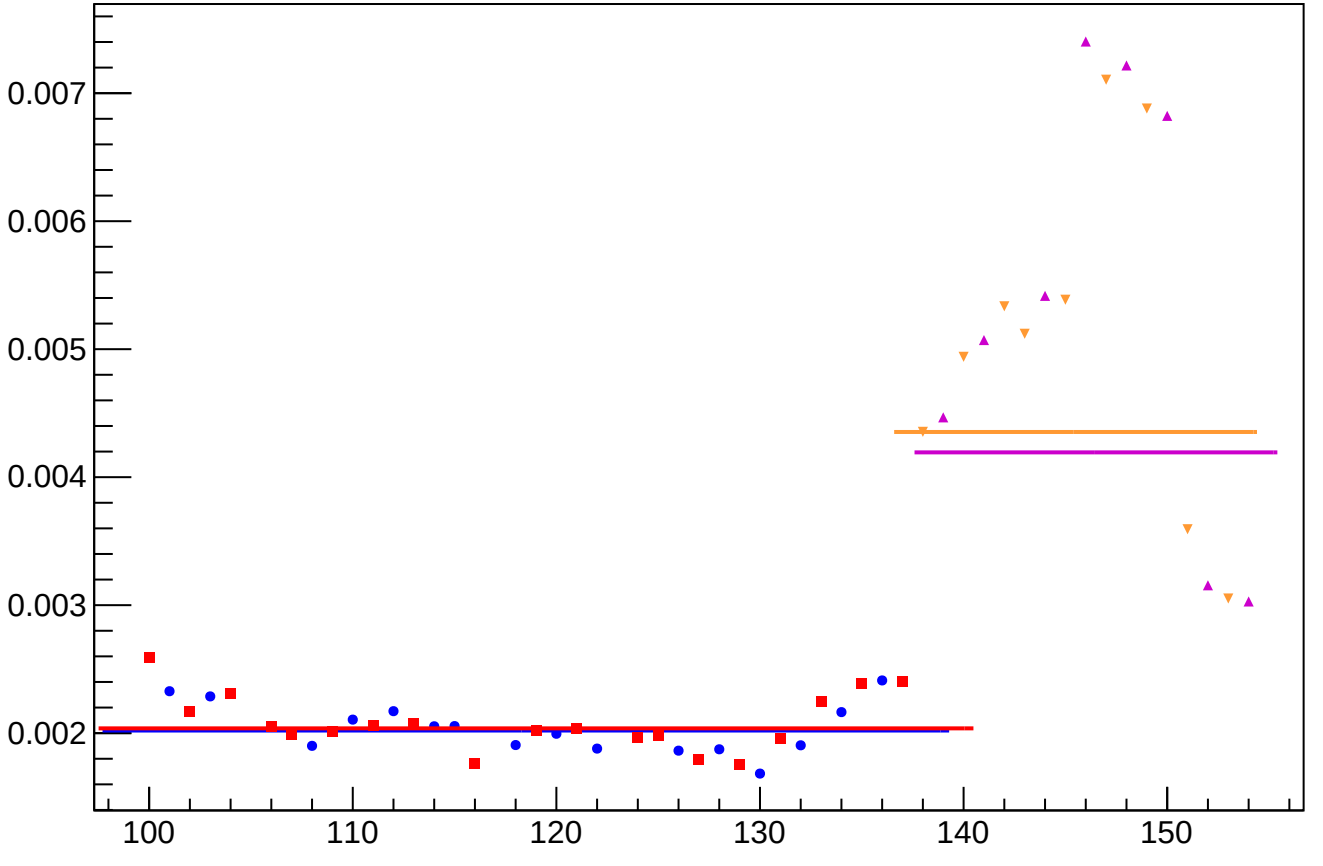
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.501+/-0.000 χ^2/NDF:316421281198.4/23

Out: 1.484+/-0.000 χ^2/NDF:258942019445.5/27

All: 1.492+/-0.000 χ^2/NDF: 575637596718.3

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: 0.004+/-0.000 χ^2/NDF:1281898.0/7

Left: 0.004+/-0.000 χ^2/NDF: 2159311.1/16

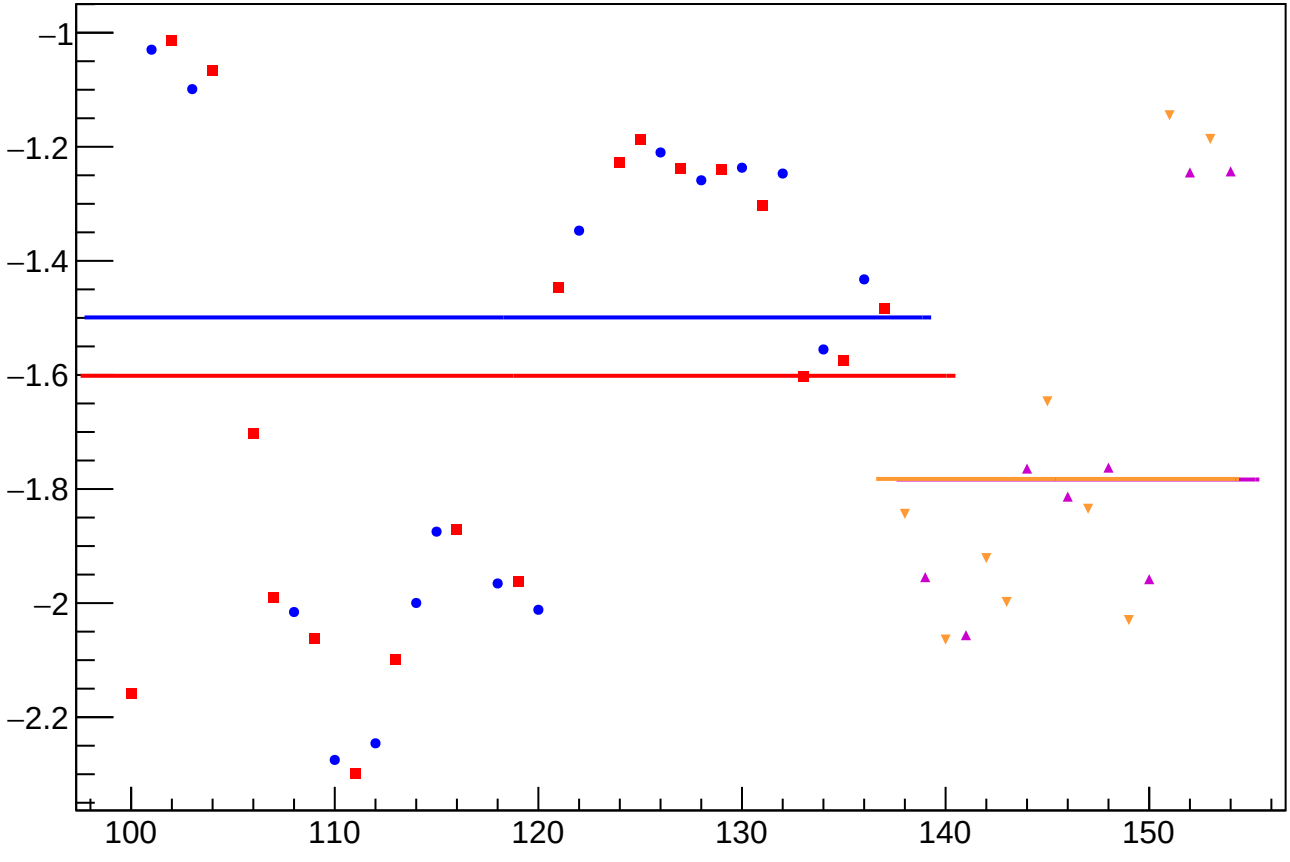
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:3978013.8/23

Out: 0.002+/-0.000 χ^2/NDF:3773018.0/27

All: 0.002+/-0.000 χ^2/NDF: 7752397.7/51

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: -1.783+/-0.000 χ^2/NDF:11643851221.2/7

Left: -1.783+/-0.000 χ^2/NDF: 28821143175.8/16

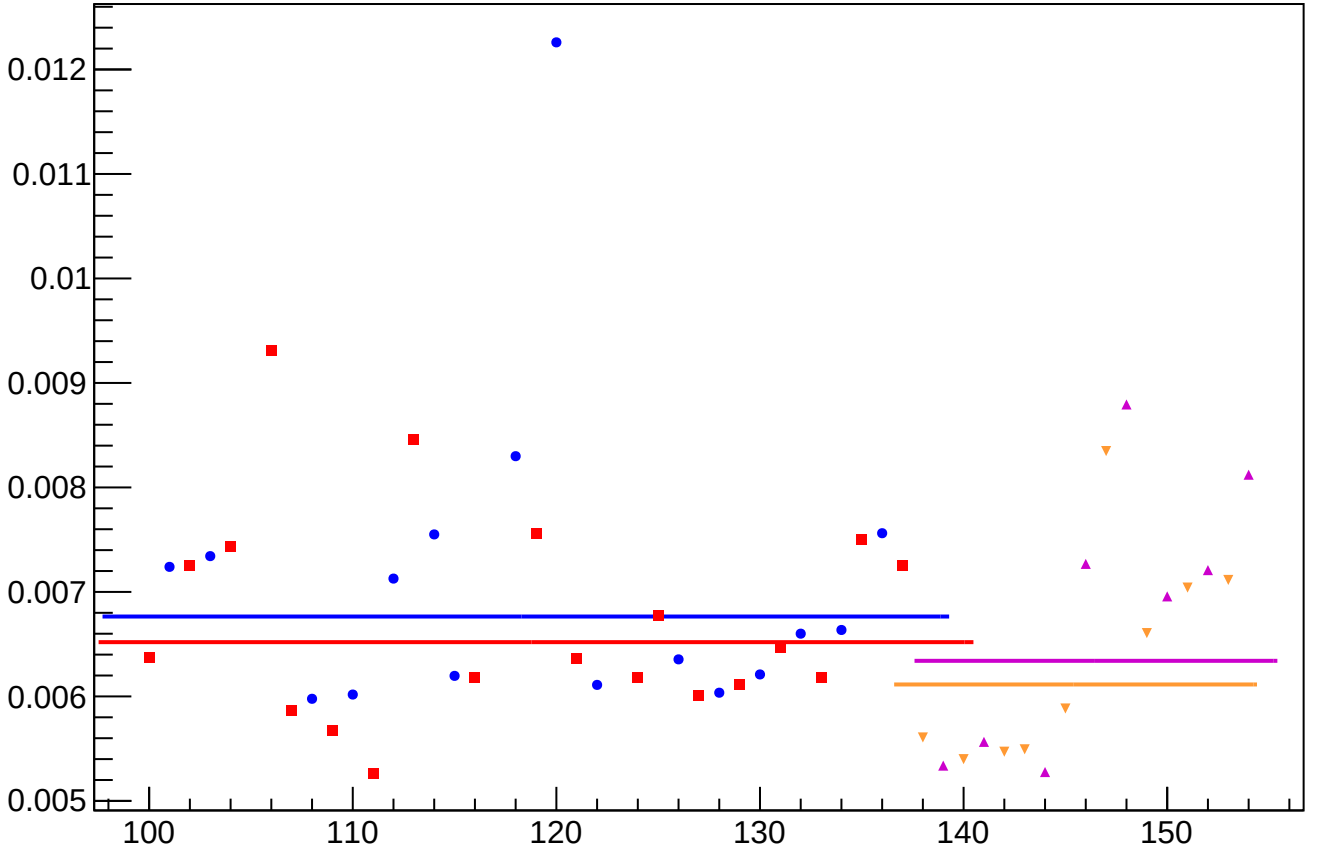
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.649+/-0.000 χ^2/NDF:40596857681.8/23

Out: -1.695+/-0.000 χ^2/NDF:48250927559.7/27

All: -1.673+/-0.000 χ^2/NDF: 89189793455.3/

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:418806.3/7

Left: 0.006+/-0.000 χ^2/NDF: 676213.9/16

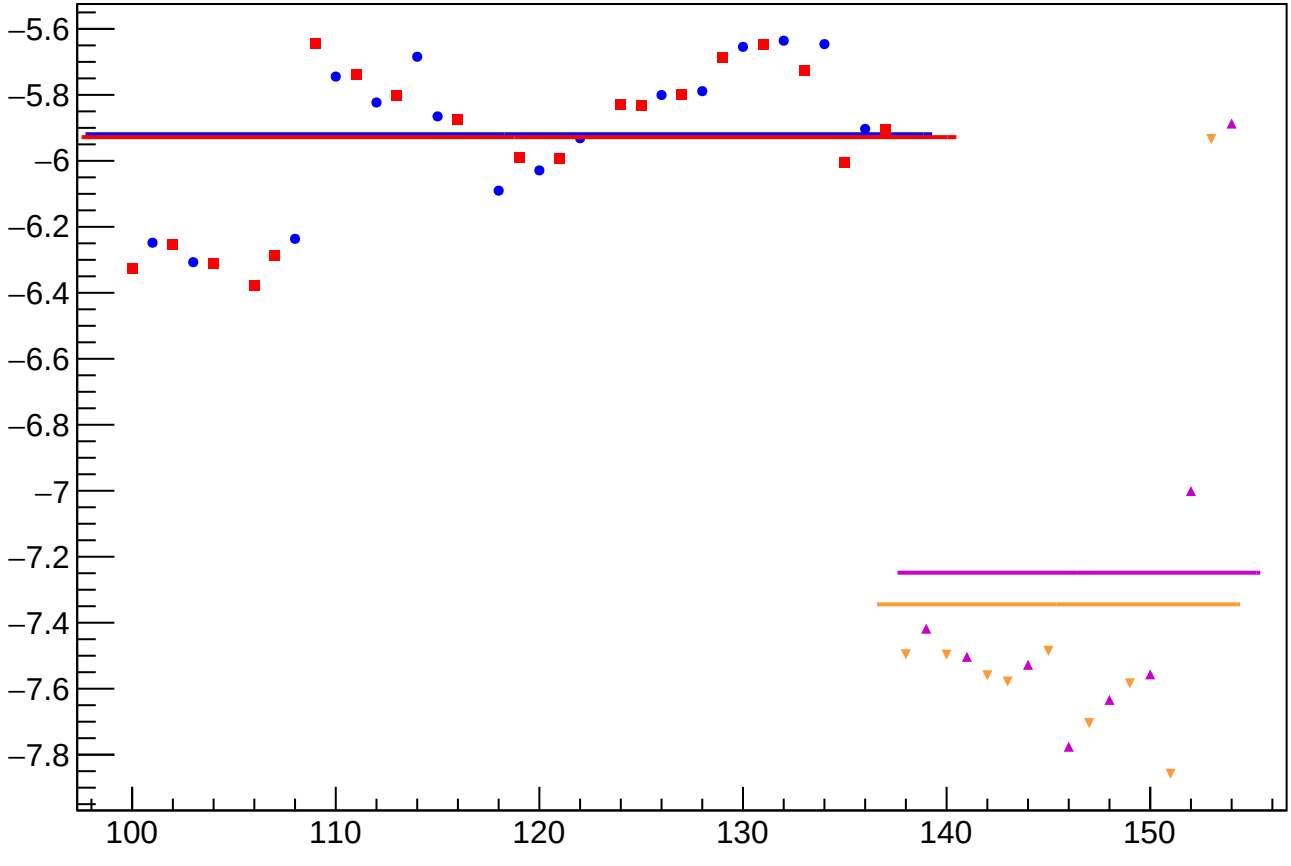
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:684186.6/23

Out: 0.006+/-0.000 χ^2/NDF:521943.1/27

All: 0.006+/-0.000 χ^2/NDF: 1223173.5/51

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: -7.248+/-0.000 χ^2/NDF:18754483746.9/7

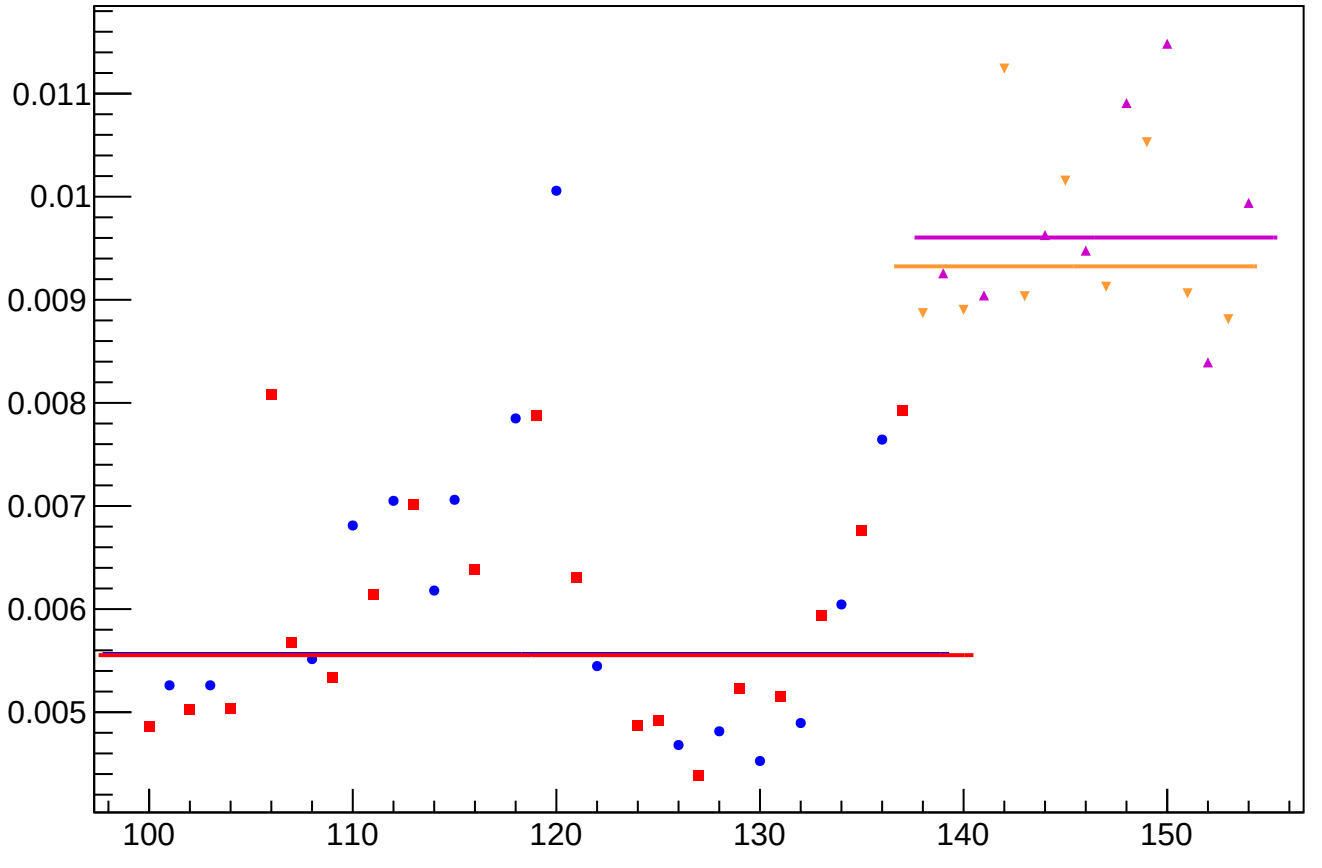
Left: -7.297+/-0.000 χ^2/NDF: 41142851443.9/16

Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.213+/-0.000 χ^2/NDF:107743736071.8/23

Out: -6.233+/-0.000 χ^2/NDF:125767263490.3/27

All: -6.223+/-0.000 χ^2/NDF: 233565370938.1



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:91417.0/7

Left: 0.009+/-0.000 χ^2/NDF: 150540.8/16

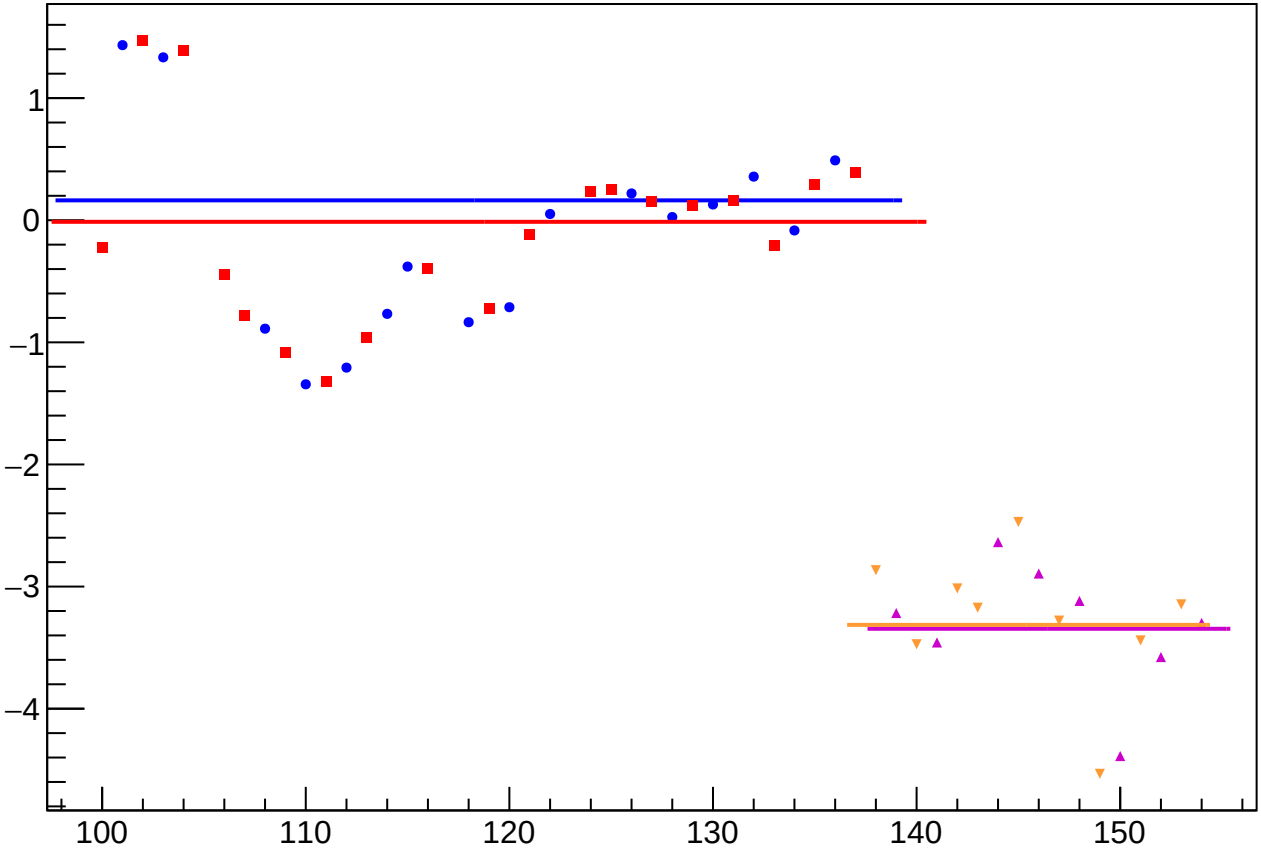
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:2014533.9/23

Out: 0.006+/-0.000 χ^2/NDF:1709699.4/27

All: 0.006+/-0.000 χ^2/NDF: 3726377.0/51

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: -3.346+/-0.000 χ^2/NDF:4682672128.2/7

Left: -3.329+/-0.000 χ^2/NDF: 10970117667.7/16

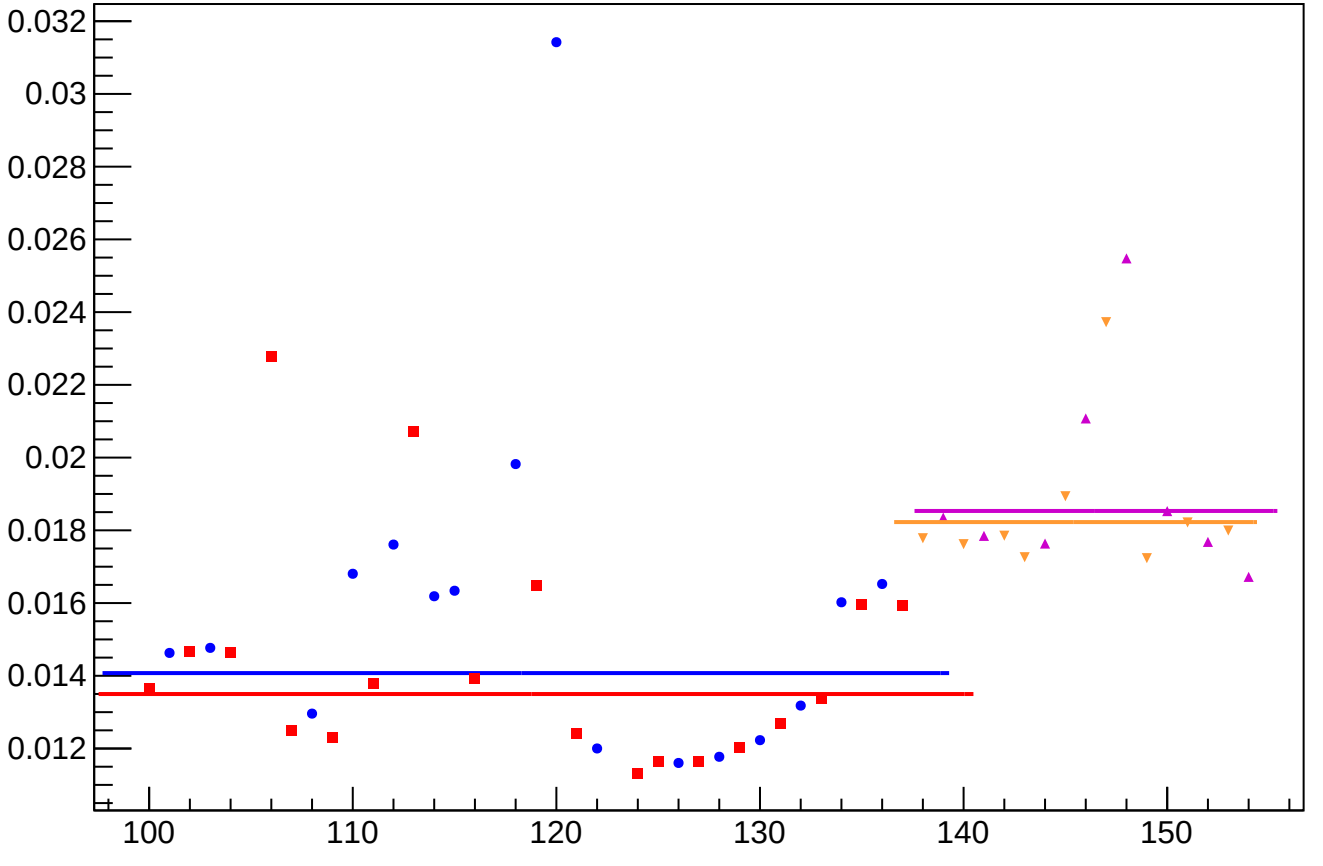
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.143+/-0.000 χ^2/NDF:168499917248.3/23

Out: -1.154+/-0.000 χ^2/NDF:168848666532.3/27

All: -1.149+/-0.000 χ^2/NDF: 337351844161.7

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:165884.7/7

Left: 0.018+/-0.000 χ^2/NDF: 263673.4/16

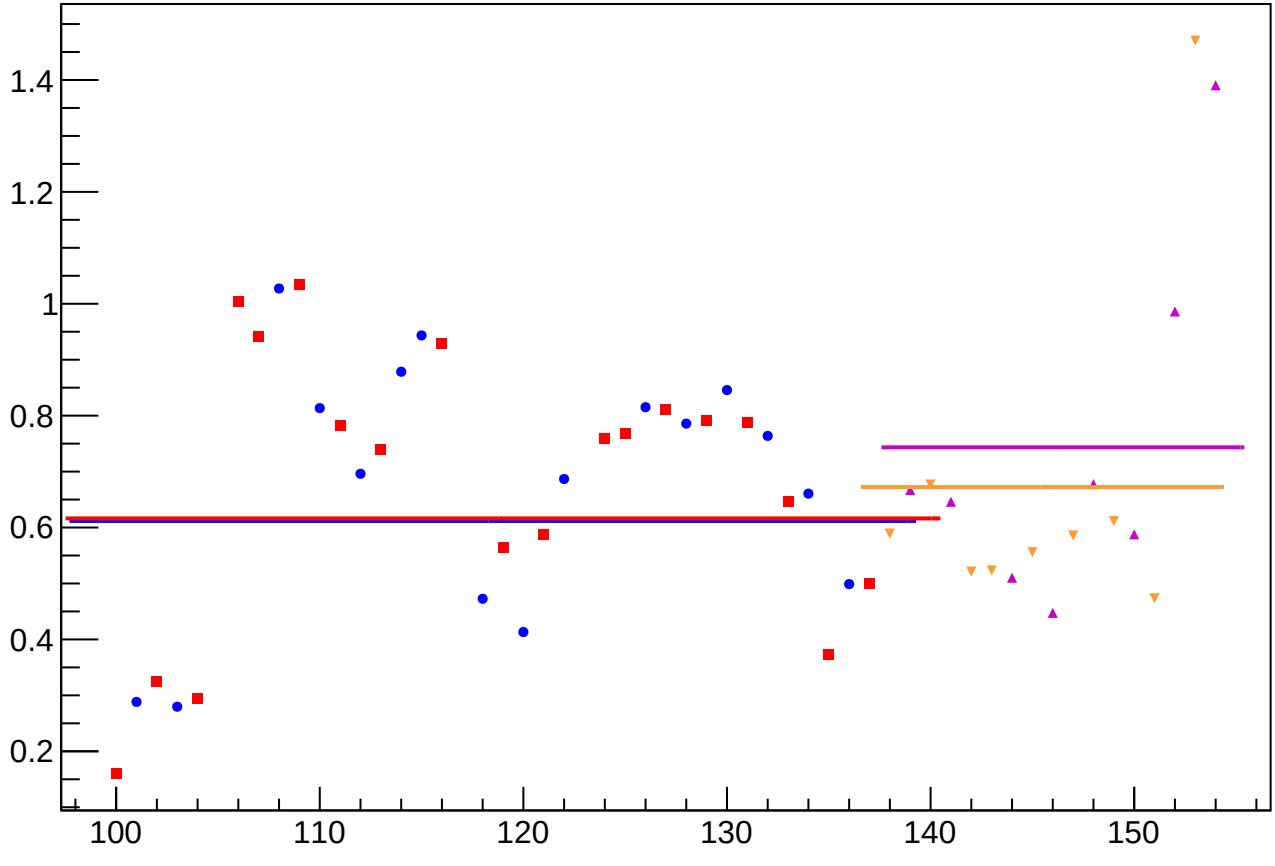
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1102429.6/23

Out: 0.015+/-0.000 χ^2/NDF:985799.9/27

All: 0.015+/-0.000 χ^2/NDF: 2107542.9/51

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: 0.743+/-0.000 χ^2/NDF:6212181522.6/7

Left: 0.708+/-0.000 χ^2/NDF: 13010358871.4/16

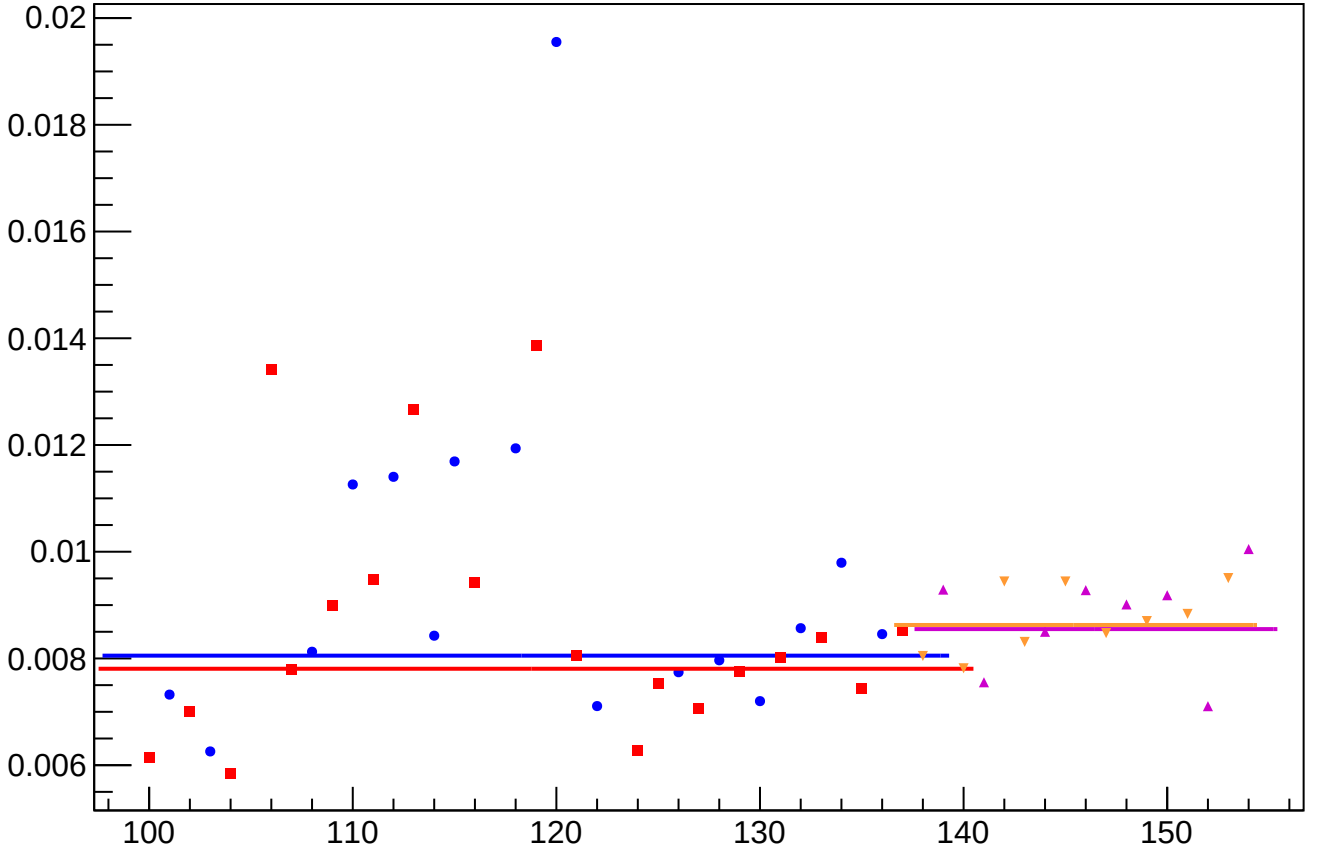
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.674+/-0.000 χ^2/NDF:12618868169.6/23

Out: 0.641+/-0.000 χ^2/NDF:13153955845.5/27

All: 0.657+/-0.000 χ^2/NDF: 25870769115.9/5

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: 0.009+/-0.000 χ^2/NDF:157440.7/7

Left: 0.009+/-0.000 χ^2/NDF: 212818.4/16

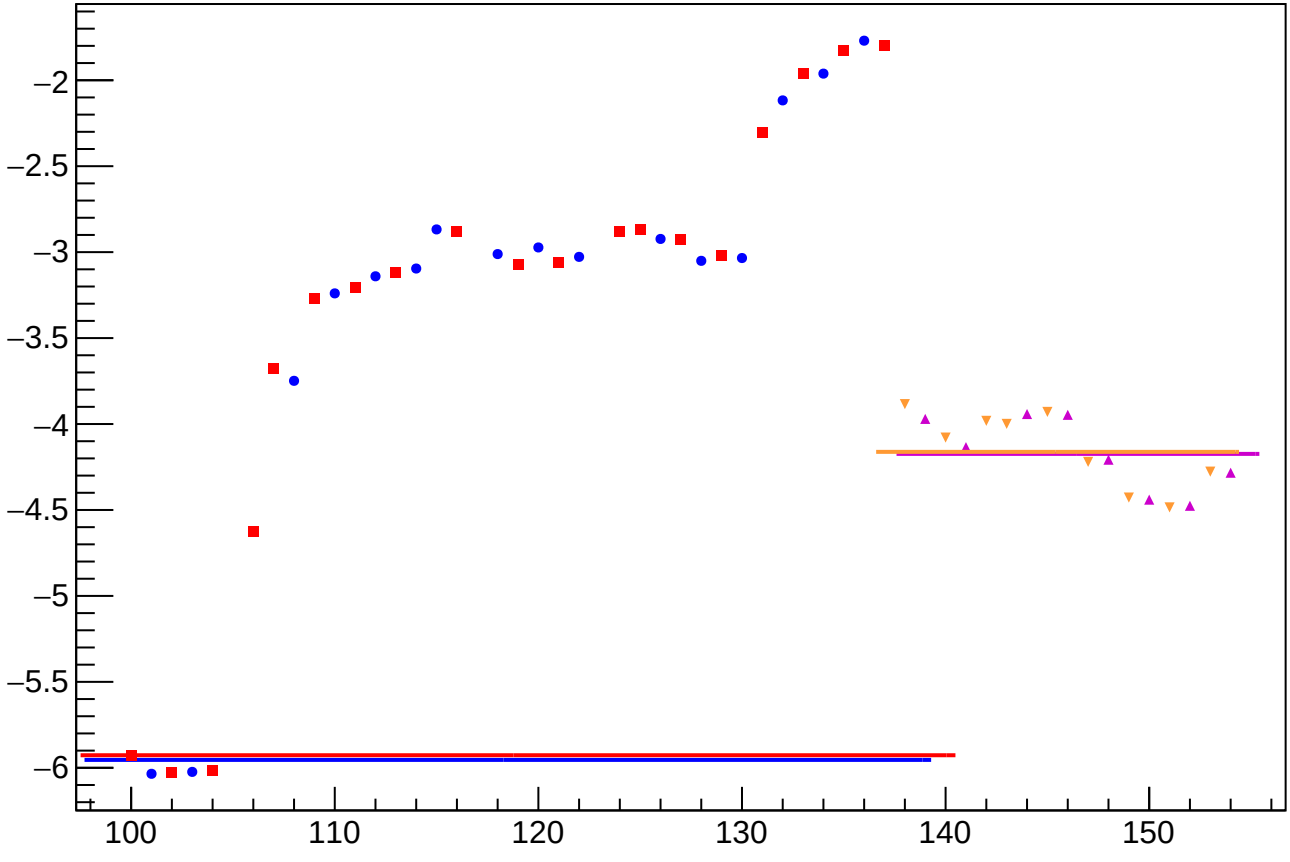
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:777708.6/23

Out: 0.008+/-0.000 χ^2/NDF:703670.7/27

All: 0.008+/-0.000 χ^2/NDF: 1484090.0/51

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: -4.174+/-0.000 χ^2/NDF:35857421.1/7

Left: -4.169+/-0.000 χ^2/NDF: 86184412.0/16

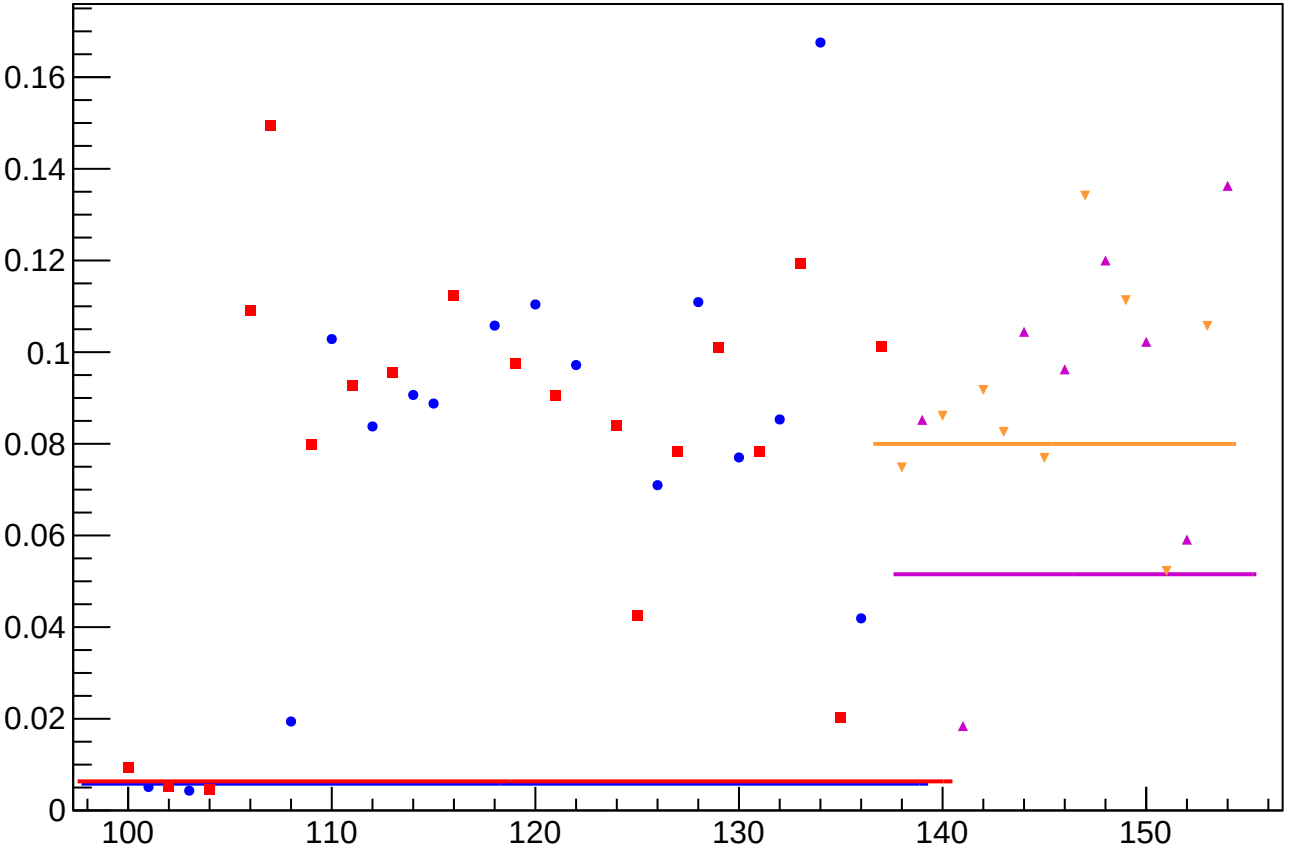
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.911+/-0.000 χ^2/NDF:17089033584.9/23

Out: -5.890+/-0.000 χ^2/NDF:16714103983.1/27

All: -5.902+/-0.000 χ^2/NDF: 33813423992.6/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.080+/-0.000 χ^2/NDF:813577.3/8

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.052+/-0.000 χ^2/NDF:3881331.1/7

Left: 0.063+/-0.000 χ^2/NDF: 5548611.9/16

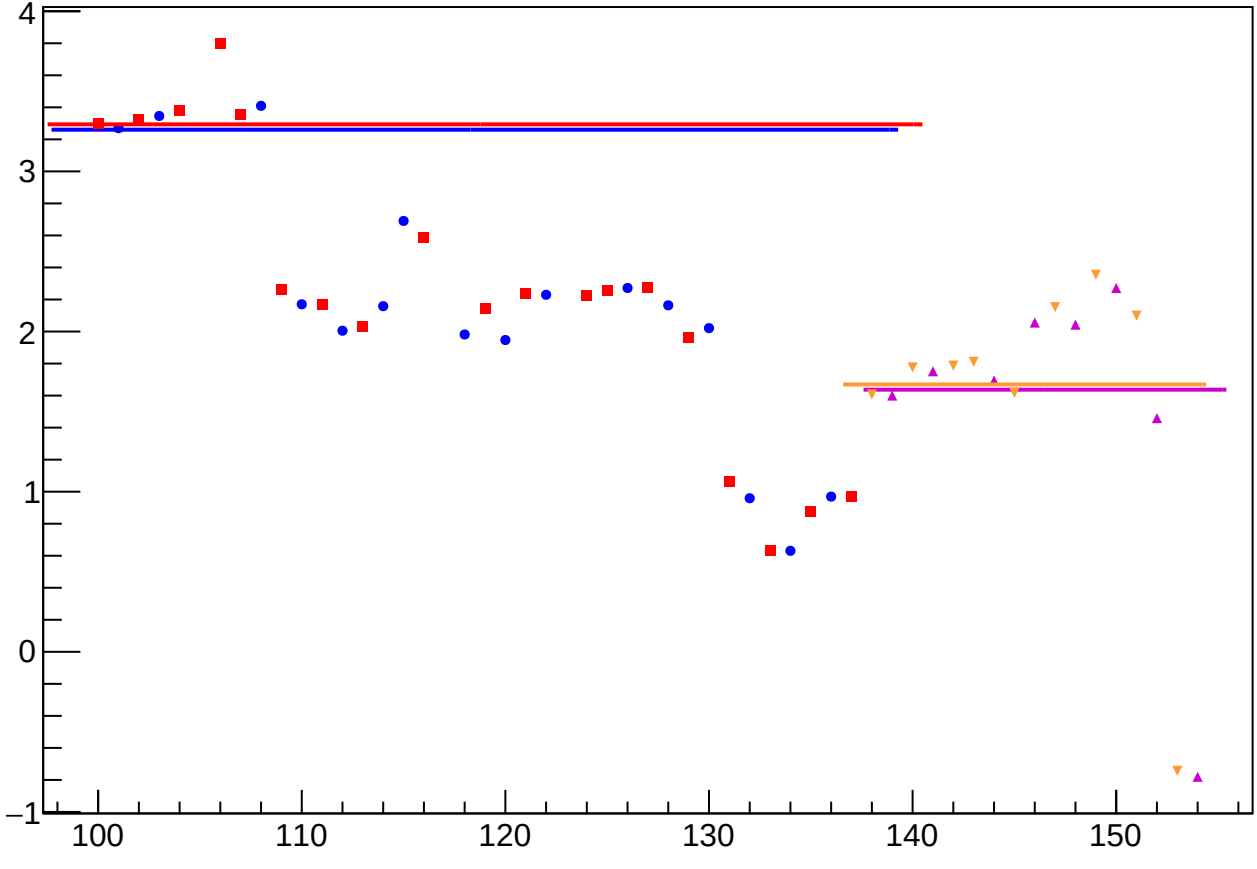
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:17790618.9/23

Out: 0.008+/-0.000 χ^2/NDF:19107047.5/27

All: 0.007+/-0.000 χ^2/NDF: 36938461.2/51

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: 1.637+/-0.000 χ^2/NDF:282074278.2/7

Left: 1.653+/-0.000 χ^2/NDF: 720480792.2/16

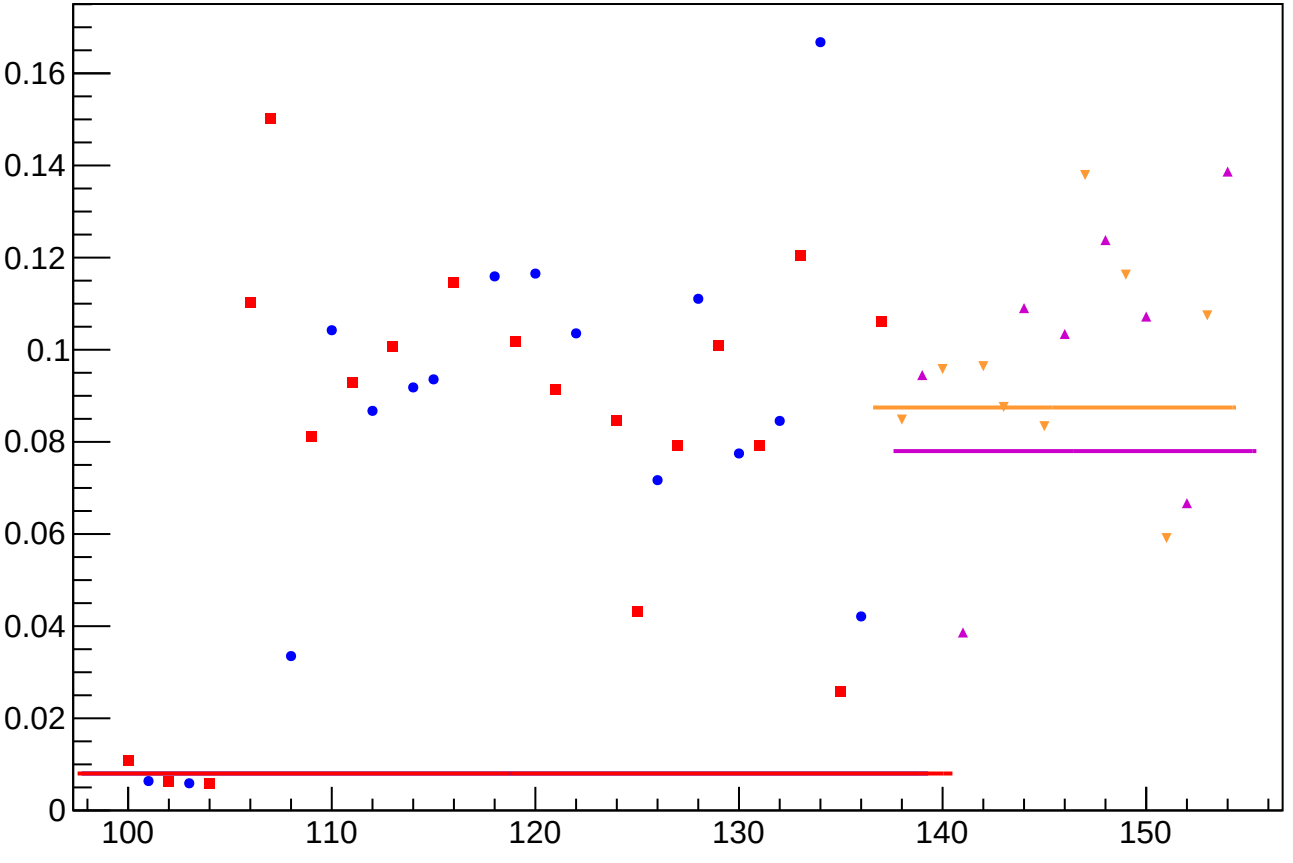
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.221+/-0.000 χ^2/NDF:5283653898.2/23

Out: 3.252+/-0.000 χ^2/NDF:5660902890.8/27

All: 3.236+/-0.000 χ^2/NDF: 10959449582.0/5

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.087+/-0.000 χ^2/NDF:649062.6/8

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.078+/-0.000 χ^2/NDF:1679839.6/7

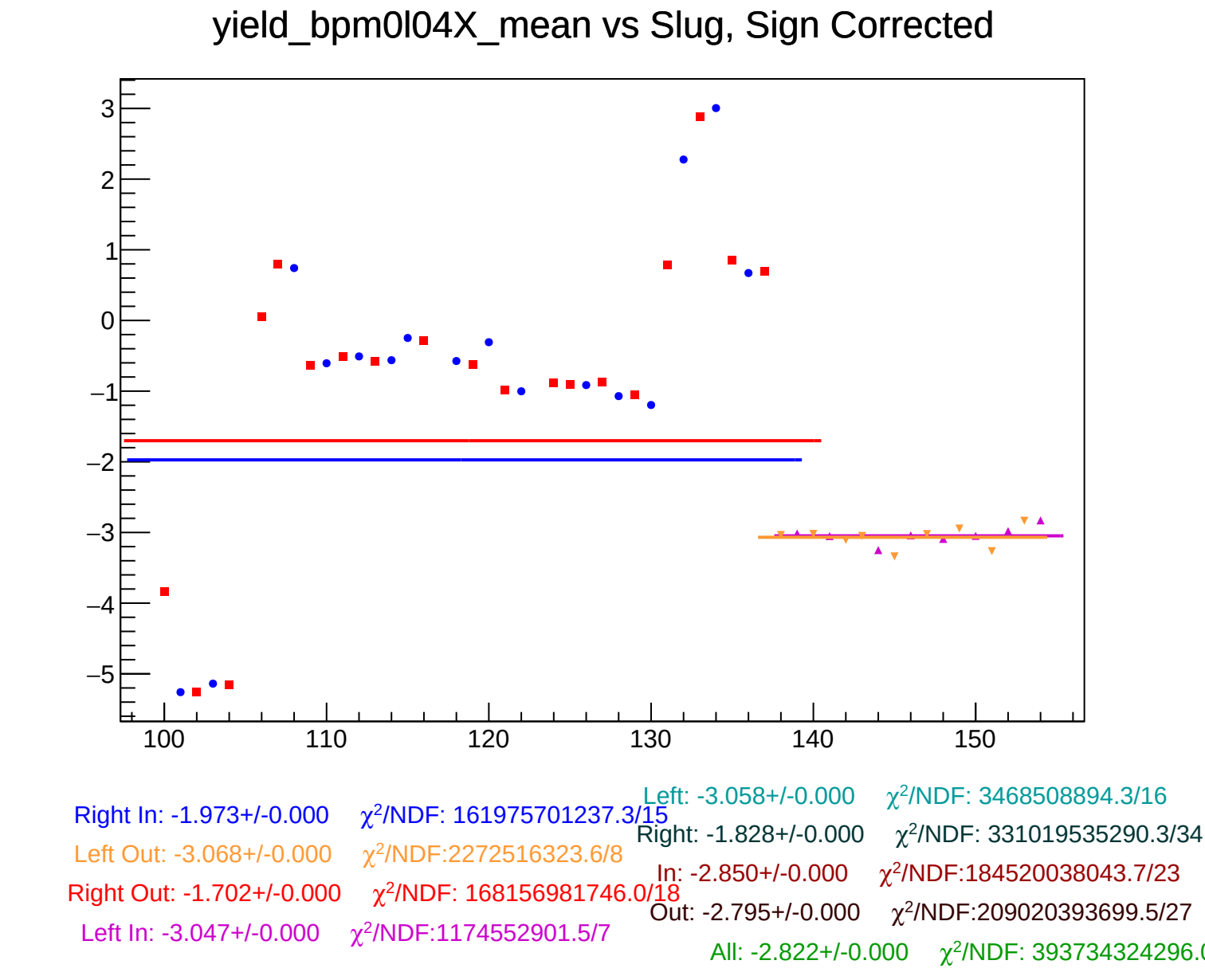
Left: 0.083+/-0.000 χ^2/NDF: 2398053.3/16

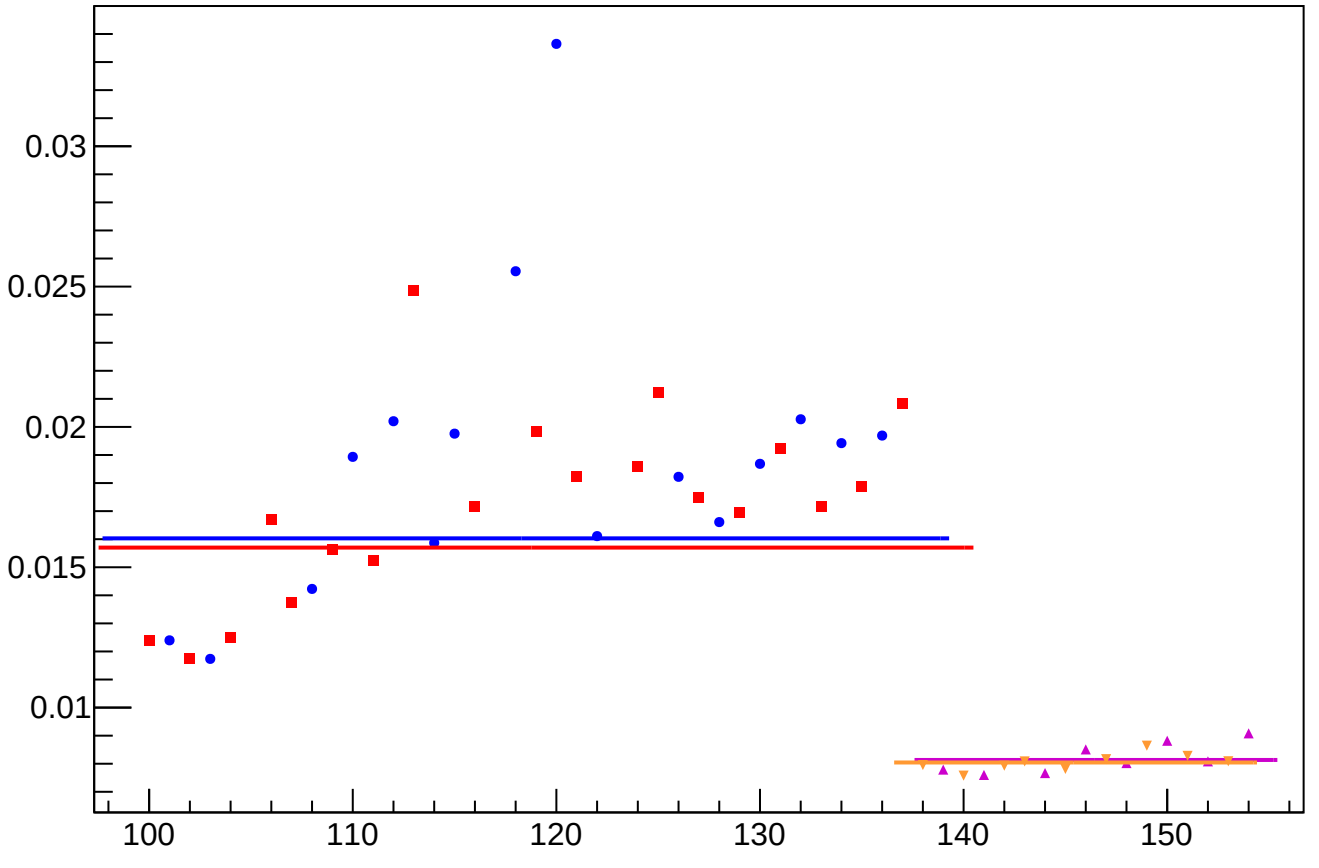
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.010+/-0.000 χ^2/NDF:17497748.3/23

Out: 0.010+/-0.000 χ^2/NDF:18665013.4/27

All: 0.010+/-0.000 χ^2/NDF: 36166121.8/51


yield_bpm0l04X_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
Right In: -1.973+/-0.000 χ²/NDF: 161975701237.3/15
Left Out: -3.068+/-0.000 χ²/NDF:2272516323.6/8
Right Out: -1.702+/-0.000 χ²/NDF: 168156981746.0/18
Left In: -3.047+/-0.000 χ²/NDF:1174552901.5/7
Left: -3.058+/-0.000 χ²/NDF: 3468508894.3/16
Right: -1.828+/-0.000 χ²/NDF: 331019535290.3/34
In: -2.850+/-0.000 χ²/NDF:184520038043.7/23
Out: -2.795+/-0.000 χ²/NDF:209020393699.5/27
All: -2.822+/-0.000 χ²/NDF: 393734324296.0



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:50180.0/7

Left: 0.008+/-0.000 χ^2/NDF: 68345.6/16

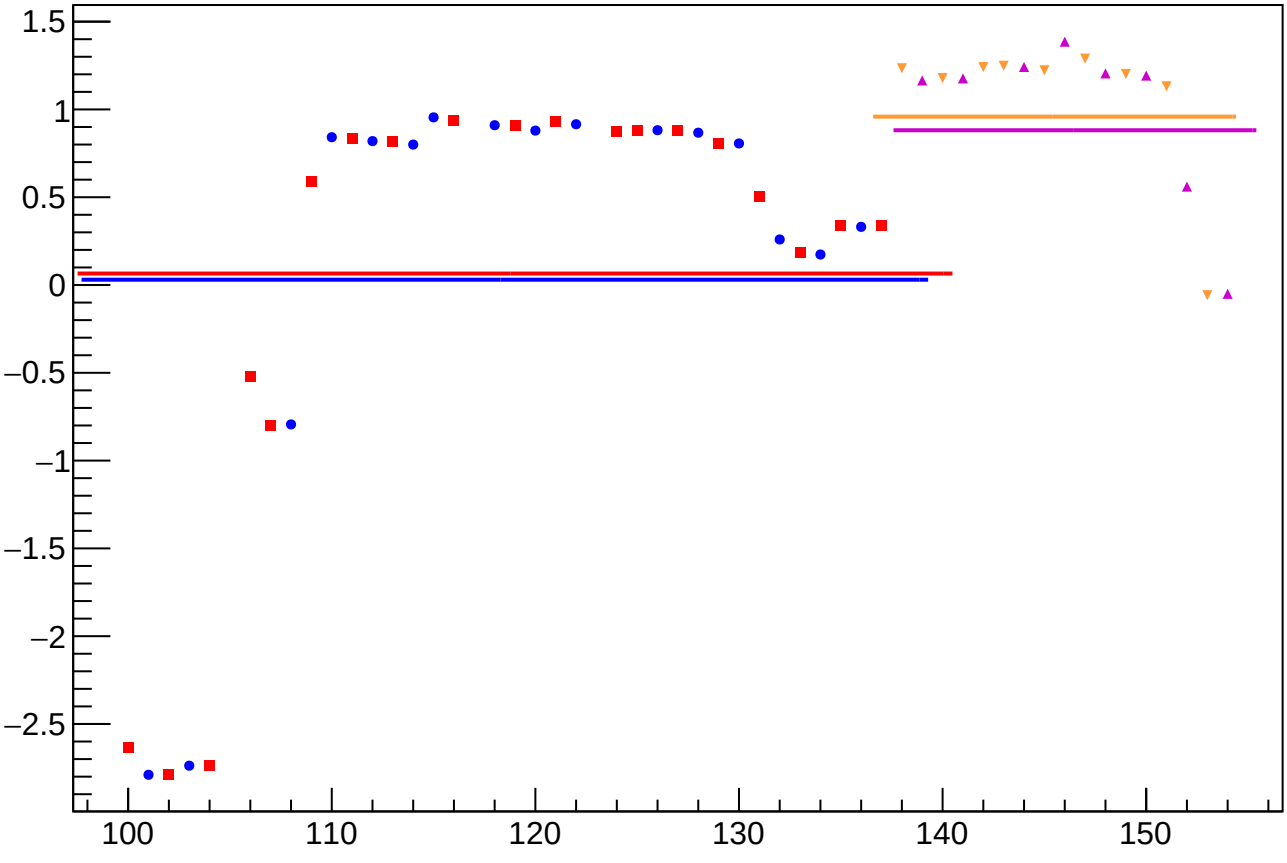
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:3092395.7/23

Out: 0.010+/-0.000 χ^2/NDF:2945475.3/27

All: 0.010+/-0.000 χ^2/NDF: 6037879.2/51

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: 0.881+/-0.000 χ^2/NDF:25166345225.9/7

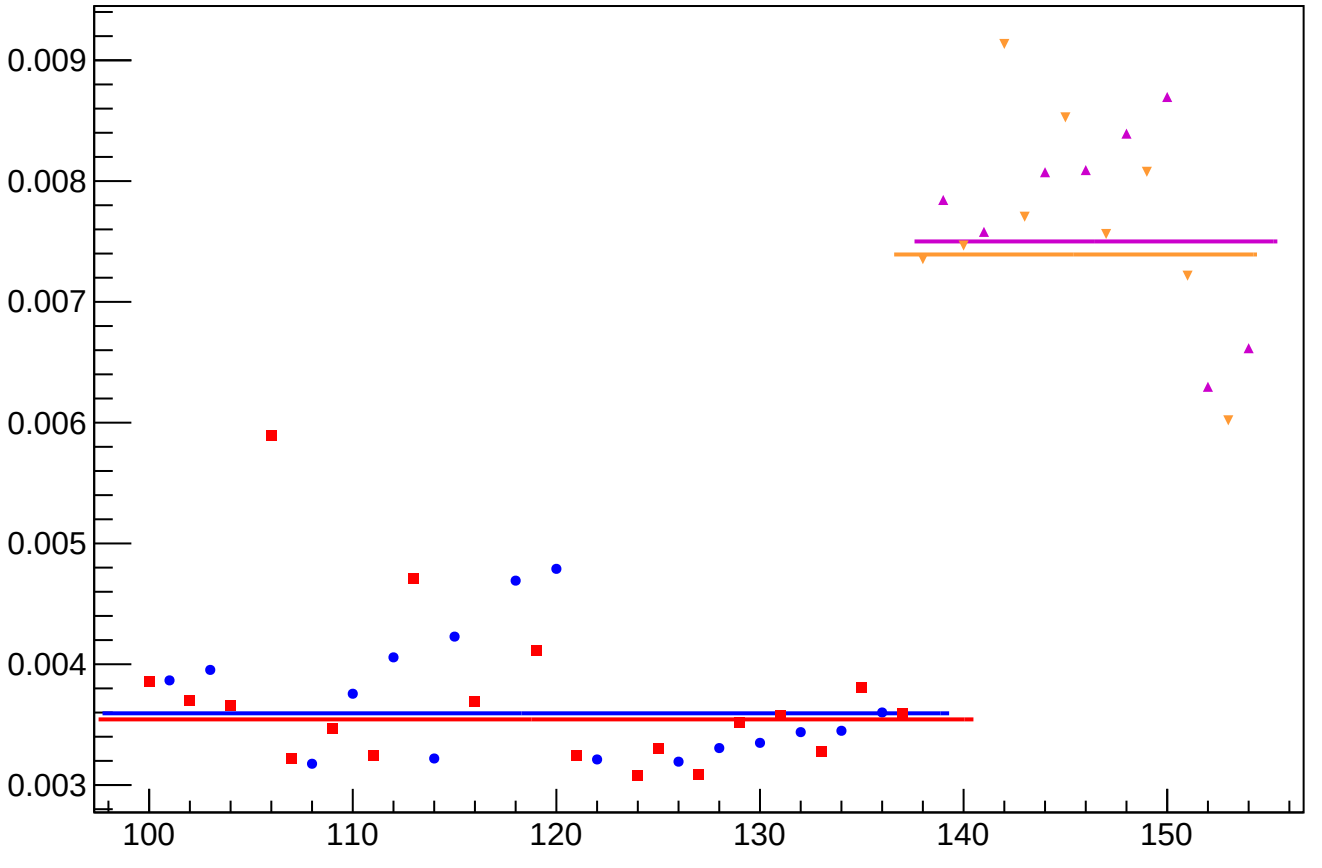
Left: 0.920+/-0.000 χ^2/NDF: 51837843636.3/16

Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.168+/-0.000 χ^2/NDF:937789437187.5/23

Out: 0.202+/-0.000 χ^2/NDF:1030002565975.6/27

All: 0.185+/-0.000 χ^2/NDF: 1968160595315.



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:141483.3/7

Left: 0.007+/-0.000 χ^2/NDF: 280924.8/16

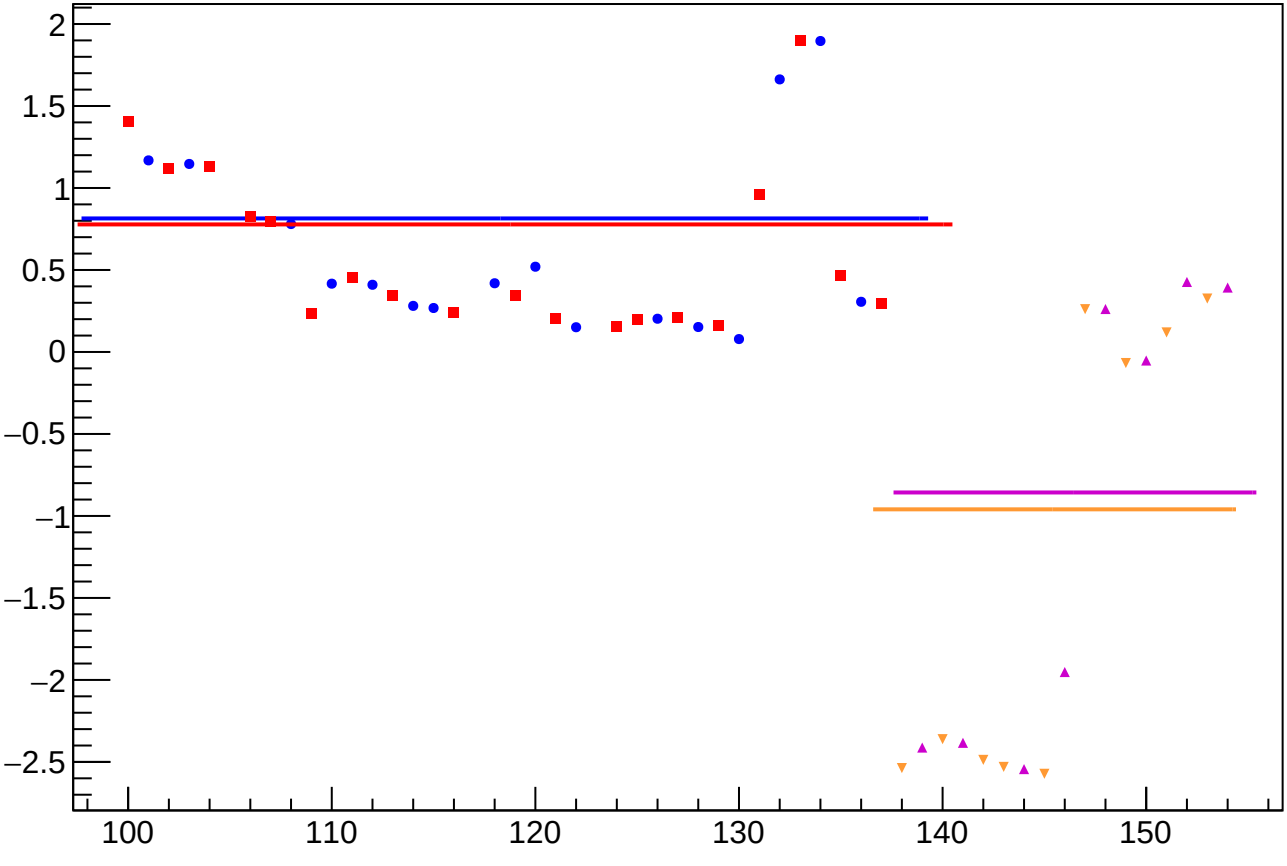
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:2889236.6/23

Out: 0.004+/-0.000 χ^2/NDF:2891399.1/27

All: 0.004+/-0.000 χ^2/NDF: 5786303.0/51

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: -0.857+/-0.000 χ^2/NDF:223304634835.8/7

Left: -0.909+/-0.000 χ^2/NDF: 462949436201.8/16

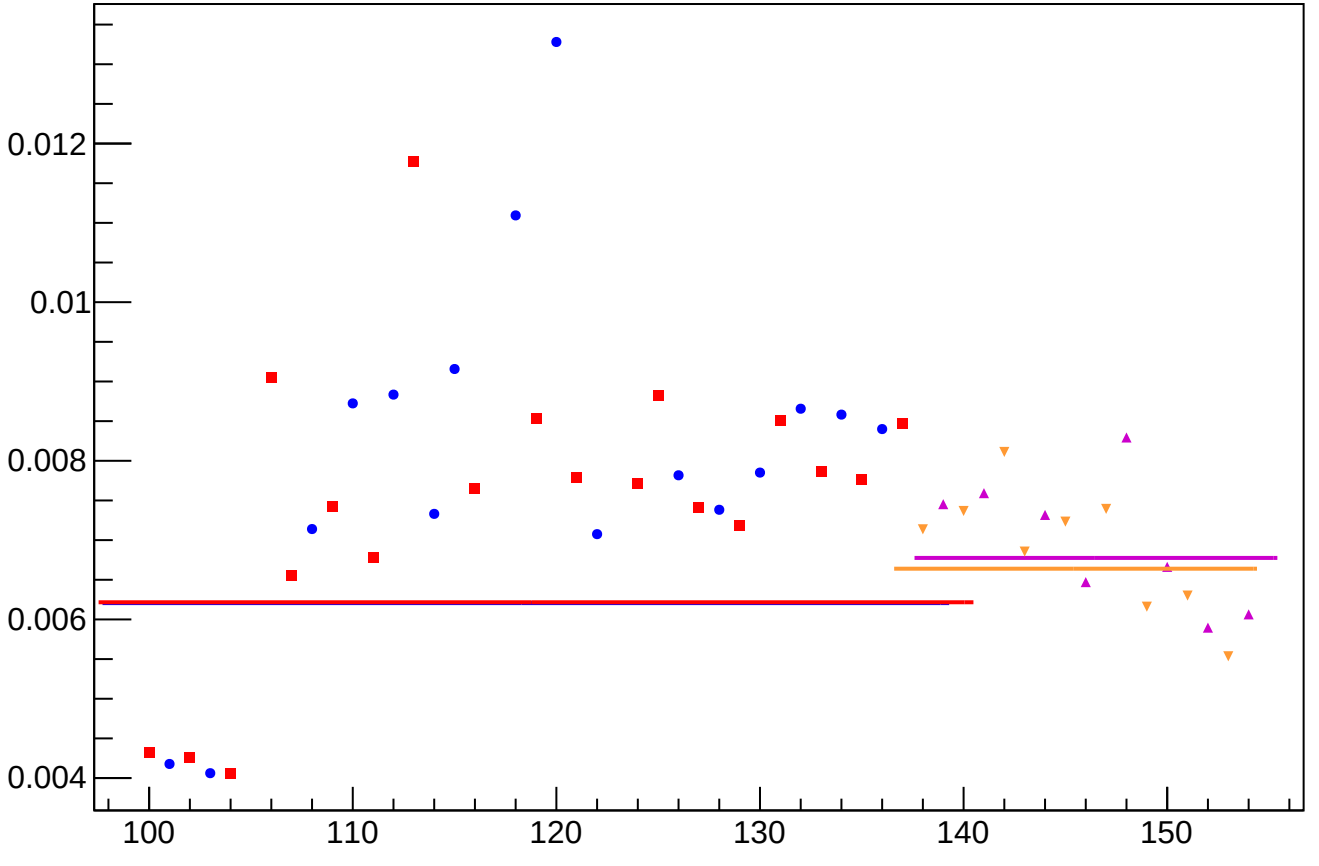
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.011+/-0.000 χ^2/NDF:452486462670.6/23

Out: -0.035+/-0.000 χ^2/NDF:493073530781.4/27

All: -0.013+/-0.000 χ^2/NDF: 945858617475.6

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:150865.1/7

Left: 0.007+/-0.000 χ^2/NDF: 299861.0/16

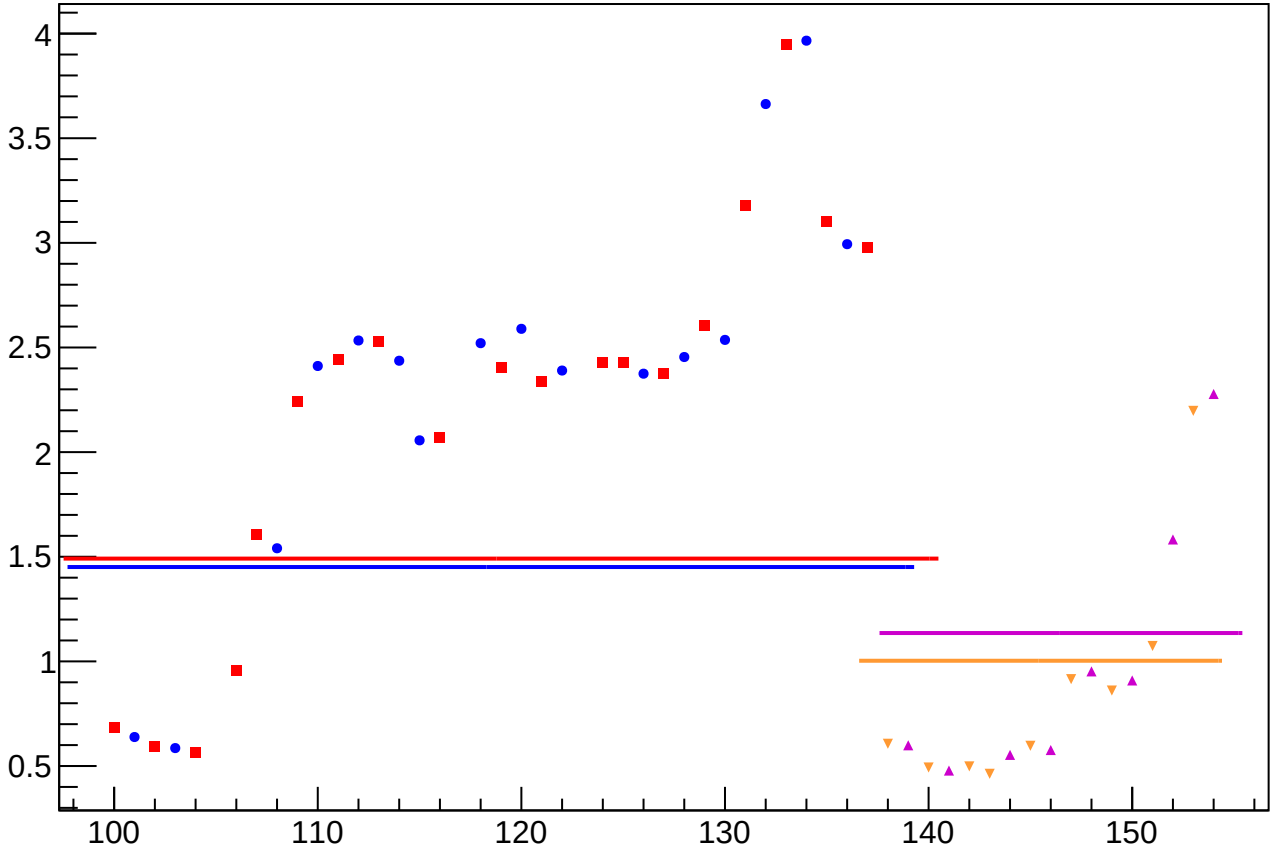
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1619757.8/23

Out: 0.006+/-0.000 χ^2/NDF:1333675.8/27

All: 0.006+/-0.000 χ^2/NDF: 2954655.1/51

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: 1.135+/-0.000 χ^2/NDF:54909617480.4/7

Left: 1.070+/-0.000 χ^2/NDF: 103451308369.0/16

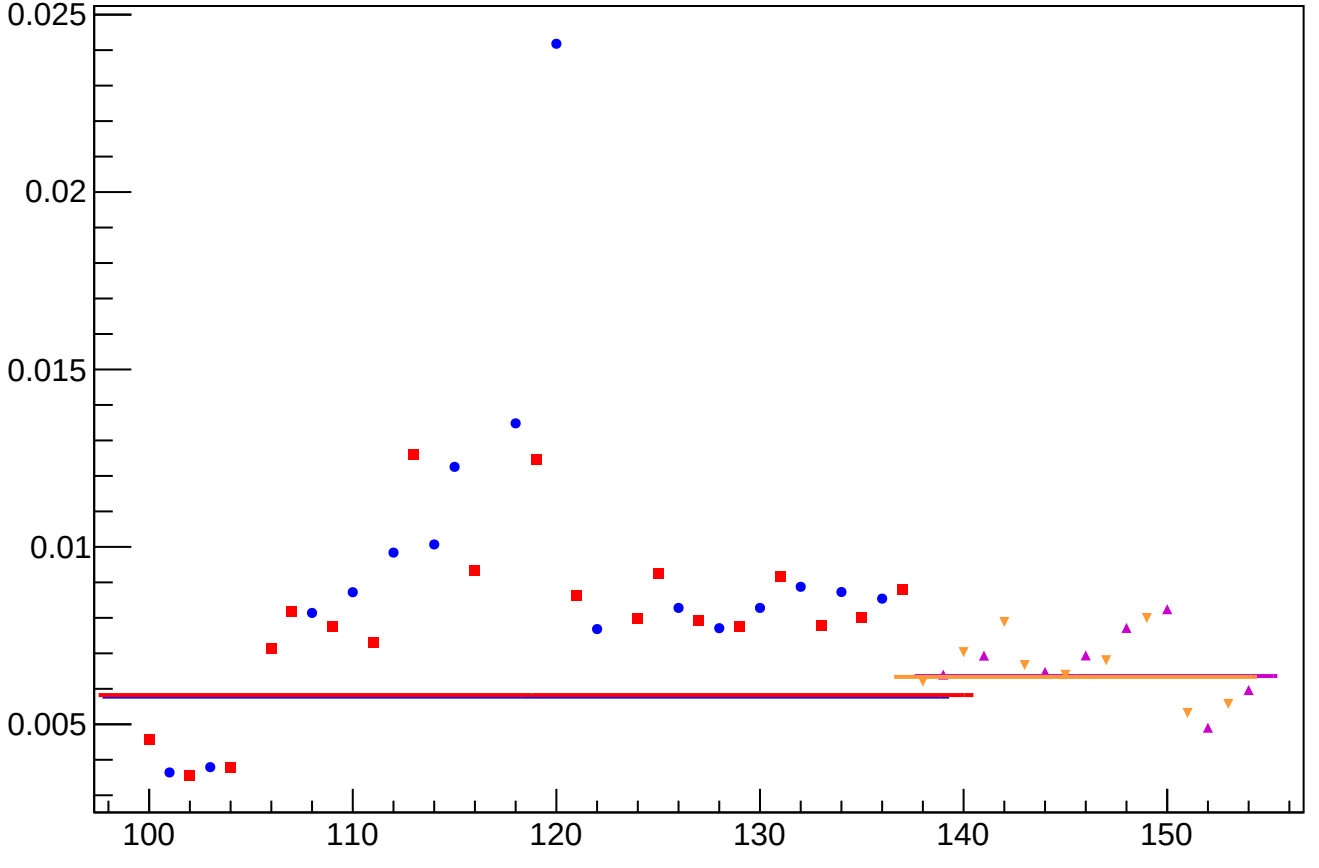
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.304+/-0.000 χ^2/NDF:231488309611.2/23

Out: 1.274+/-0.000 χ^2/NDF:251473185272.4/27

All: 1.289+/-0.000 χ^2/NDF: 483091213669.6

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:263503.1/7

Left: 0.006+/-0.000 χ^2/NDF: 437959.1/16

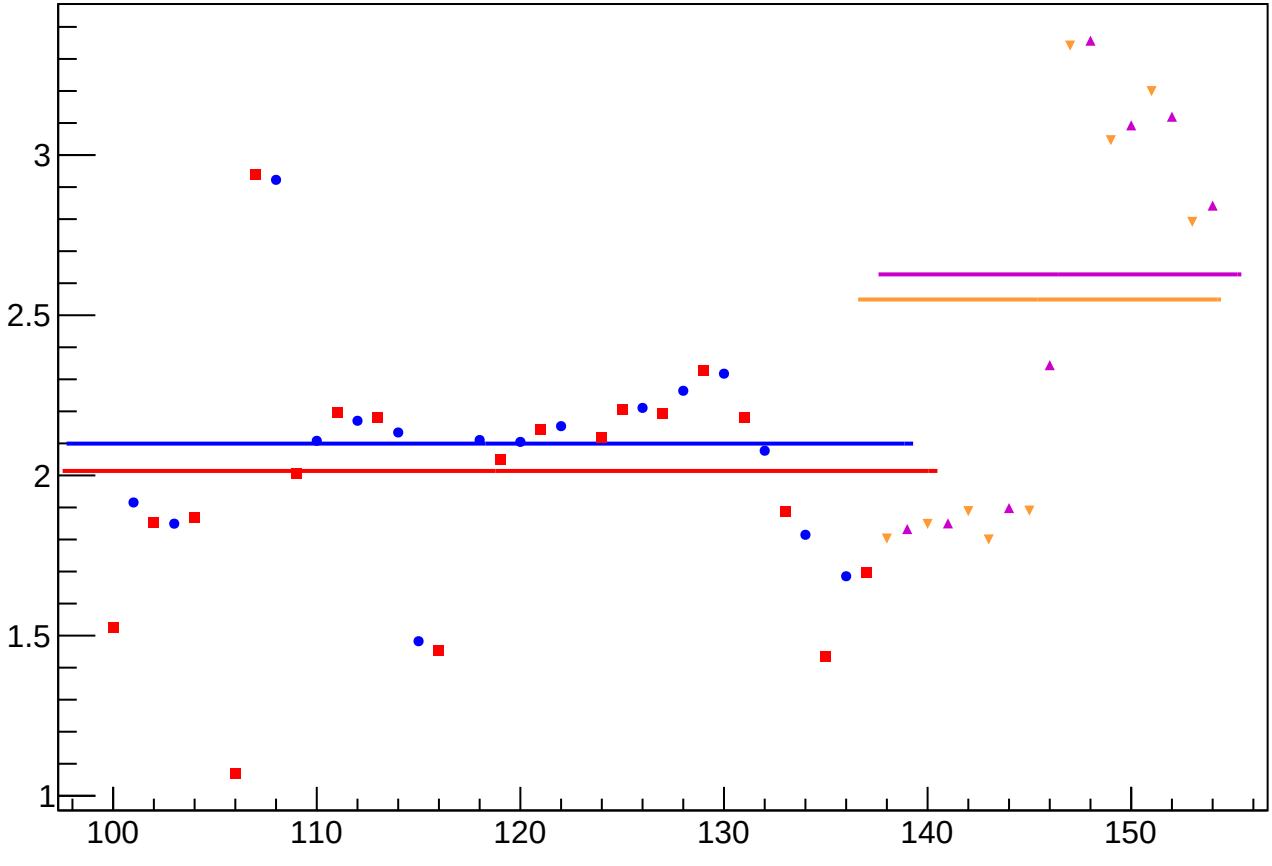
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2524346.9/23

Out: 0.006+/-0.000 χ^2/NDF:2167820.7/27

All: 0.006+/-0.000 χ^2/NDF: 4692168.0/51

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: 2.628+/-0.000 χ^2/NDF:32958535789.7/7

Left: 2.589+/-0.000 χ^2/NDF: 72468356816.0/16

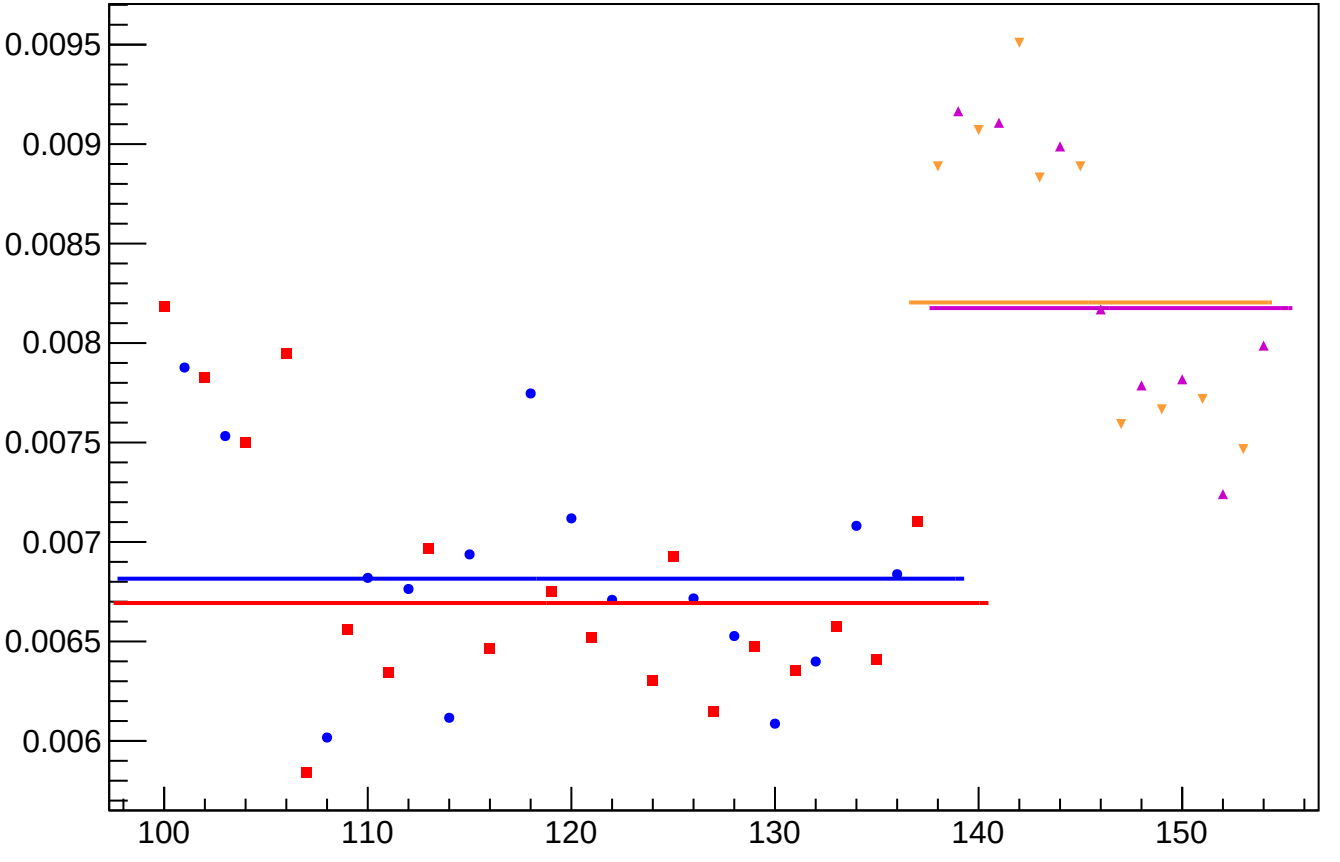
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.311+/-0.000 χ^2/NDF:63319964291.5/23

Out: 2.215+/-0.000 χ^2/NDF:76008473749.9/27

All: 2.262+/-0.000 χ^2/NDF: 140472071814.6

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:85368.2/7

Left: 0.008+/-0.000 χ^2/NDF: 178976.6/16

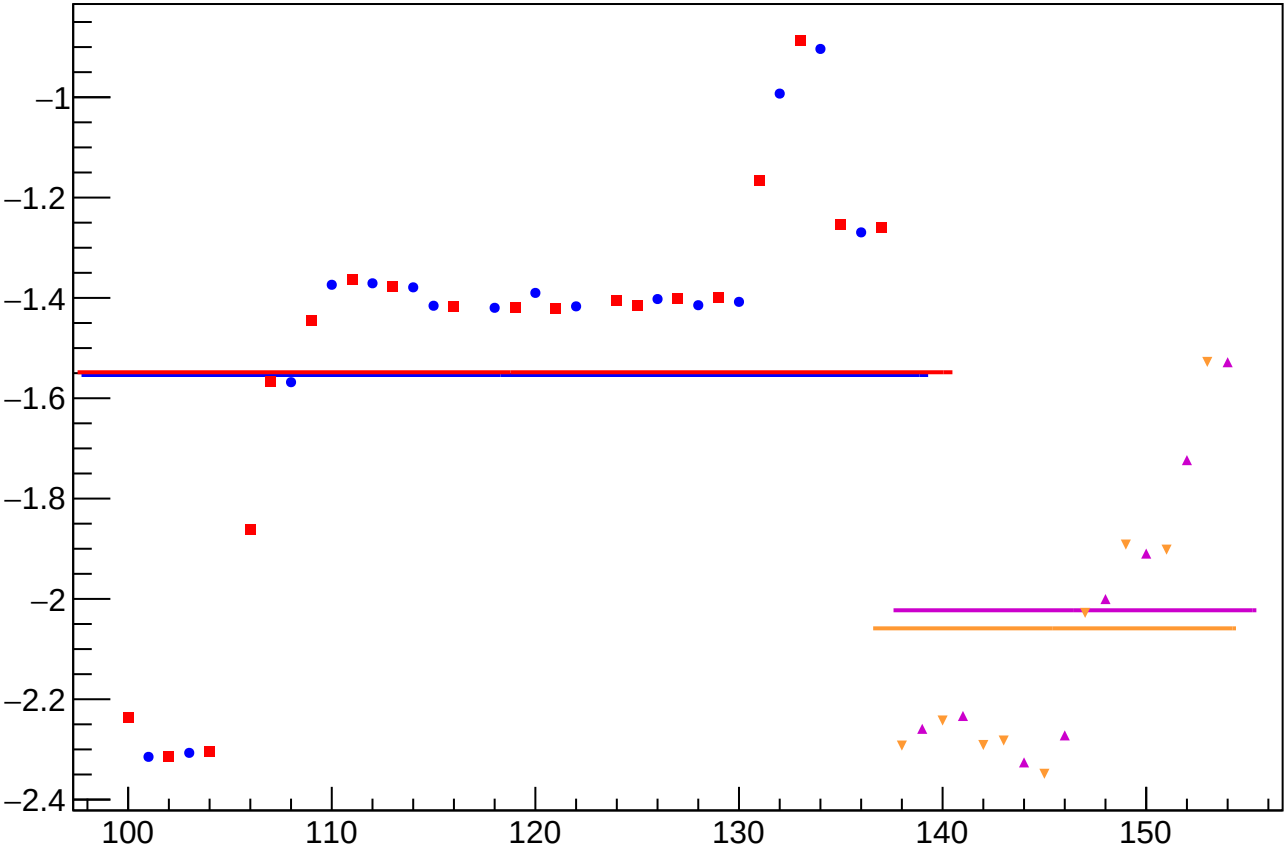
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:390064.2/23

Out: 0.007+/-0.000 χ^2/NDF:455315.6/27

All: 0.007+/-0.000 χ^2/NDF: 847820.7/51

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.059+/-0.000 χ^2/NDF:45794181001.8/8

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -2.023+/-0.000 χ^2/NDF:49035244944.0/7

Left: -2.041+/-0.000 χ^2/NDF: 95225904553.9/16

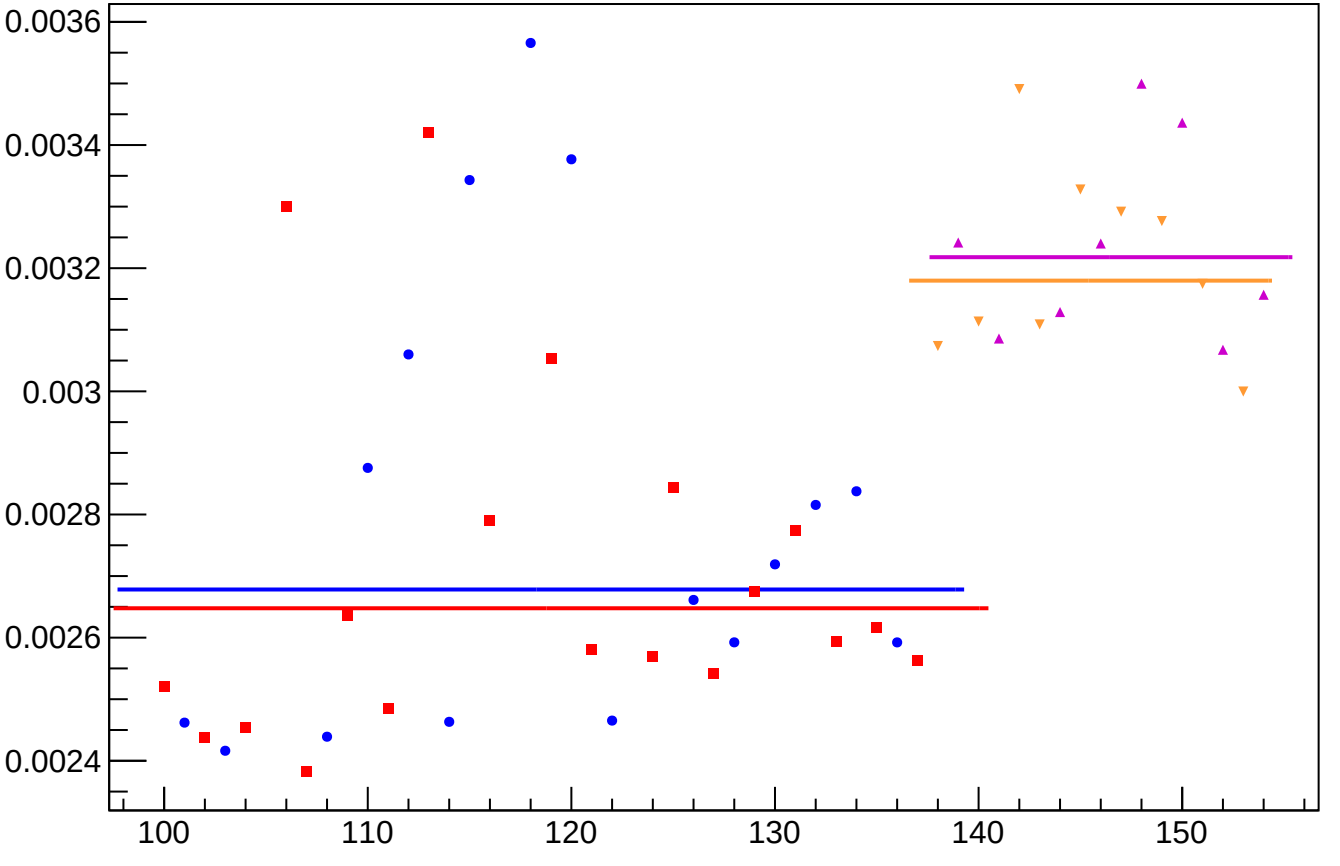
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.738+/-0.000 χ^2/NDF:305377443625.5/23

Out: -1.742+/-0.000 χ^2/NDF:319600953580.8/27

All: -1.740+/-0.000 χ^2/NDF: 624988570100.5

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:25353.5/7

Left: 0.003+/-0.000 χ^2/NDF: 46999.8/16

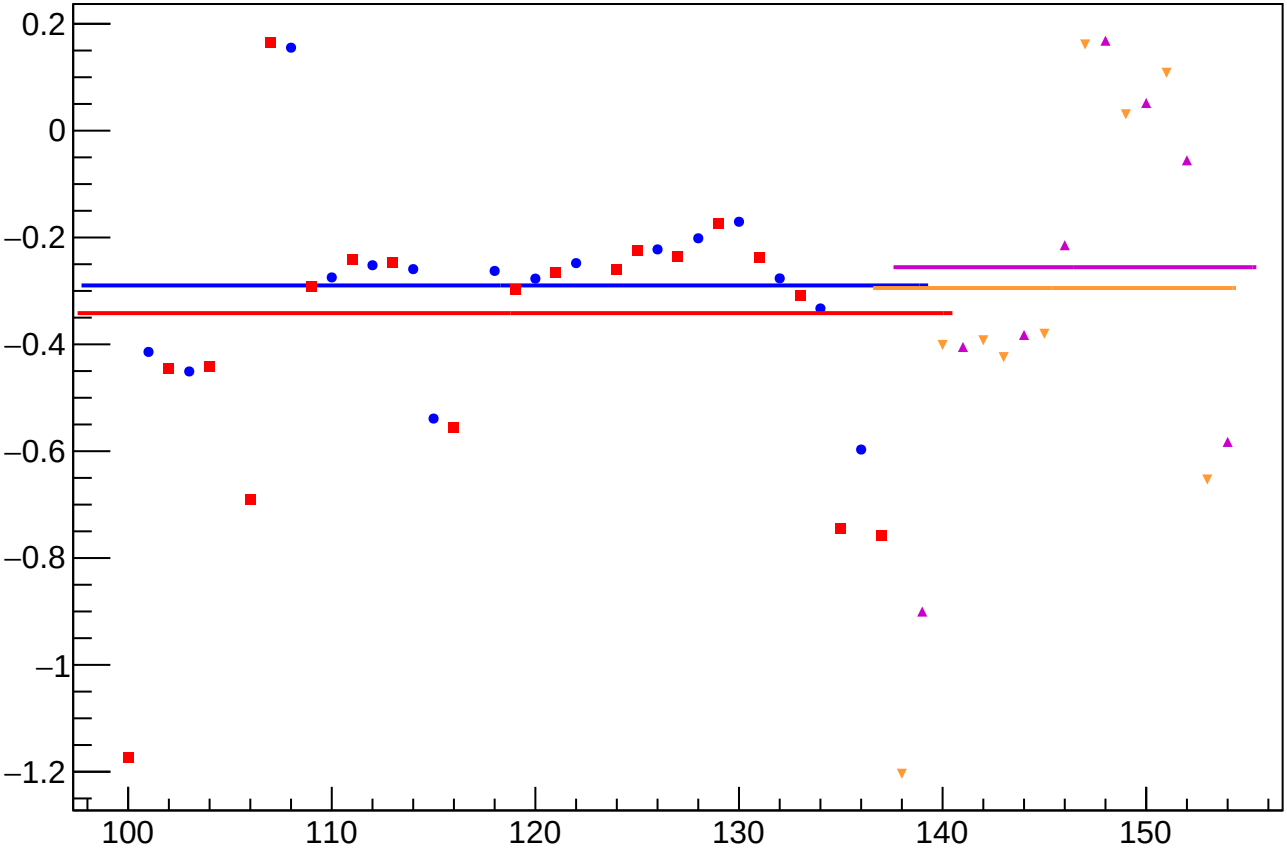
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:398179.2/23

Out: 0.003+/-0.000 χ^2/NDF:352179.6/27

All: 0.003+/-0.000 χ^2/NDF: 753026.4/51

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: -0.256+/-0.000 χ^2/NDF:3680125839.4/7

Left: -0.275+/-0.000 χ^2/NDF: 9484838311.5/16

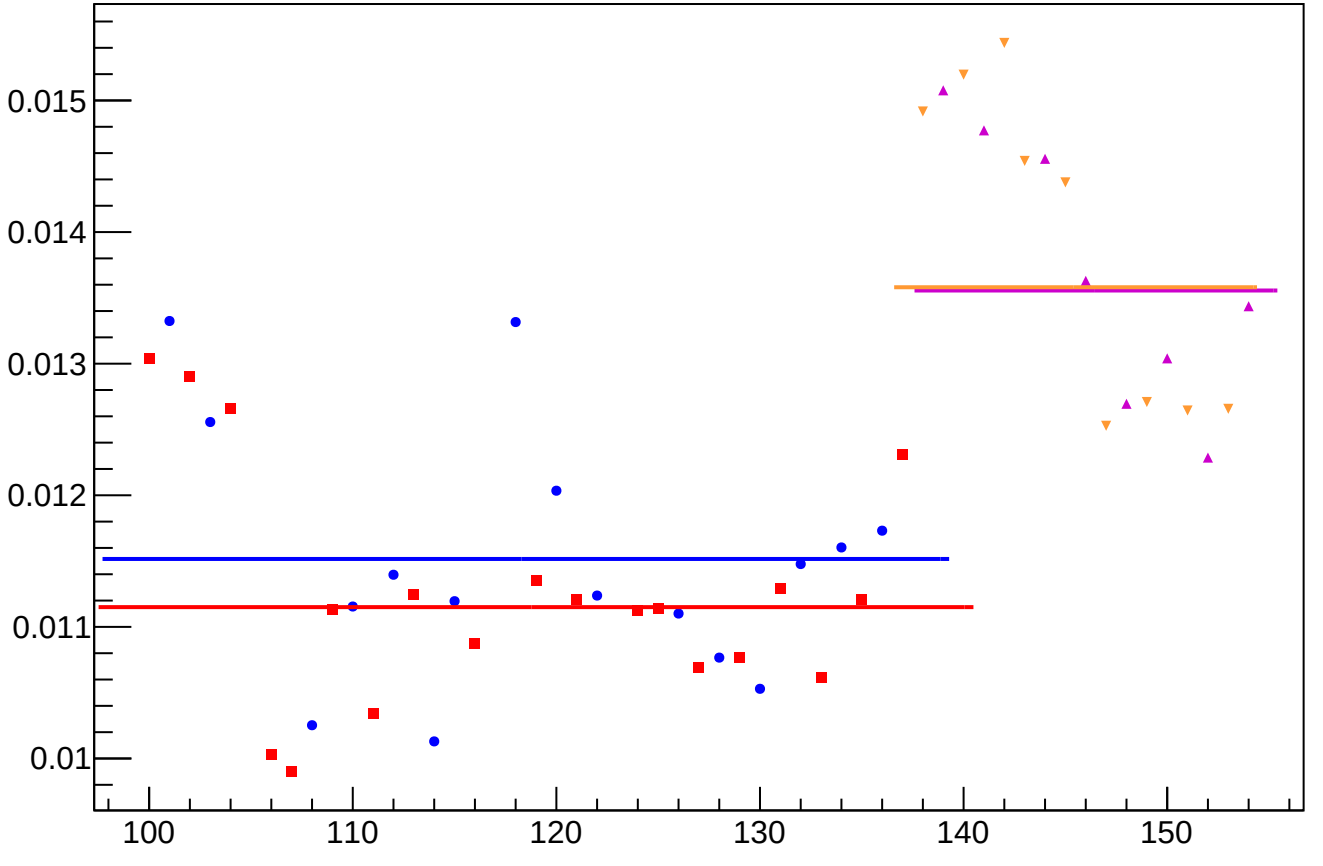
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.276+/-0.000 χ^2/NDF:5349951151.3/23

Out: -0.324+/-0.000 χ^2/NDF:8435577187.5/27

All: -0.301+/-0.000 χ^2/NDF: 13889813024.5/

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:62737.6/7

Left: 0.014+/-0.000 χ^2/NDF: 149977.9/16

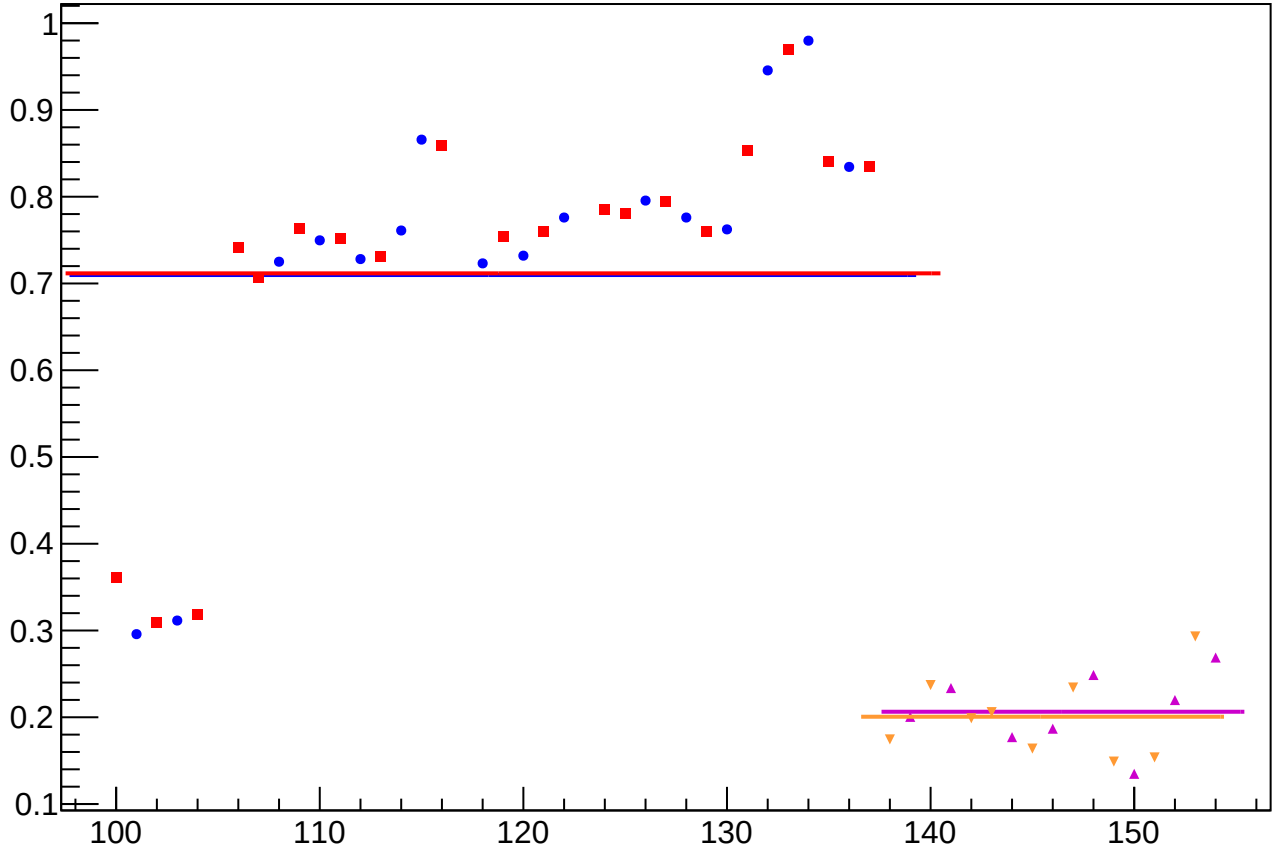
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:323007.6/23

Out: 0.012+/-0.000 χ^2/NDF:417589.0/27

All: 0.012+/-0.000 χ^2/NDF: 747573.9/51

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: 0.206+/-0.000 χ^2/NDF:2368349143.5/7

Left: 0.203+/-0.000 χ^2/NDF: 5309126249.1/16

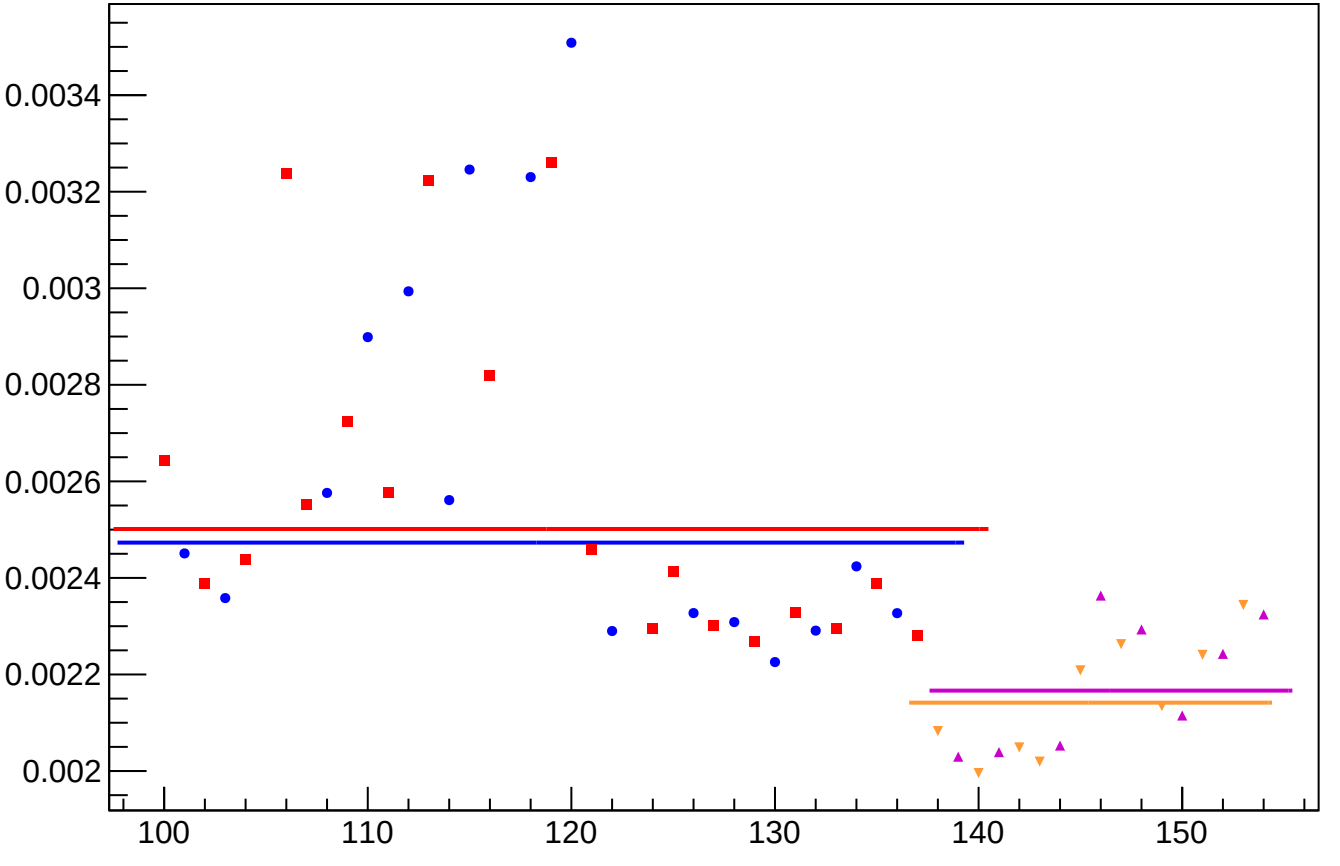
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.424+/-0.000 χ^2/NDF:211897653837.4/23

Out: 0.419+/-0.000 χ^2/NDF:215175995412.8/27

All: 0.421+/-0.000 χ^2/NDF: 427098737507.9

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:48302.1/7

Left: 0.002+/-0.000 χ^2/NDF: 88568.7/16

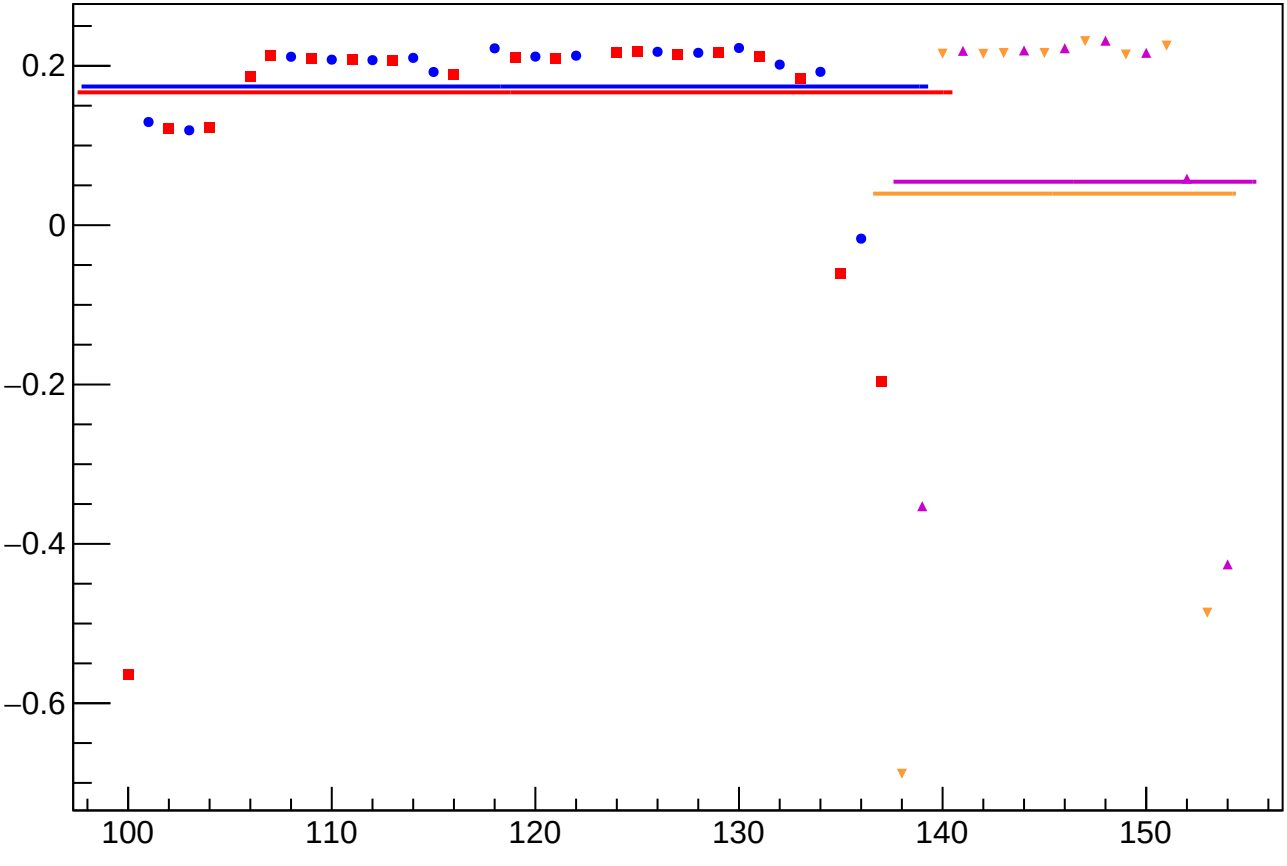
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:375509.2/23

Out: 0.002+/-0.000 χ^2/NDF:383355.5/27

All: 0.002+/-0.000 χ^2/NDF: 758894.8/51

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: 0.055+/-0.000 χ^2/NDF:2797030036.9/7

Left: 0.047+/-0.000 χ^2/NDF: 7625290771.3/16

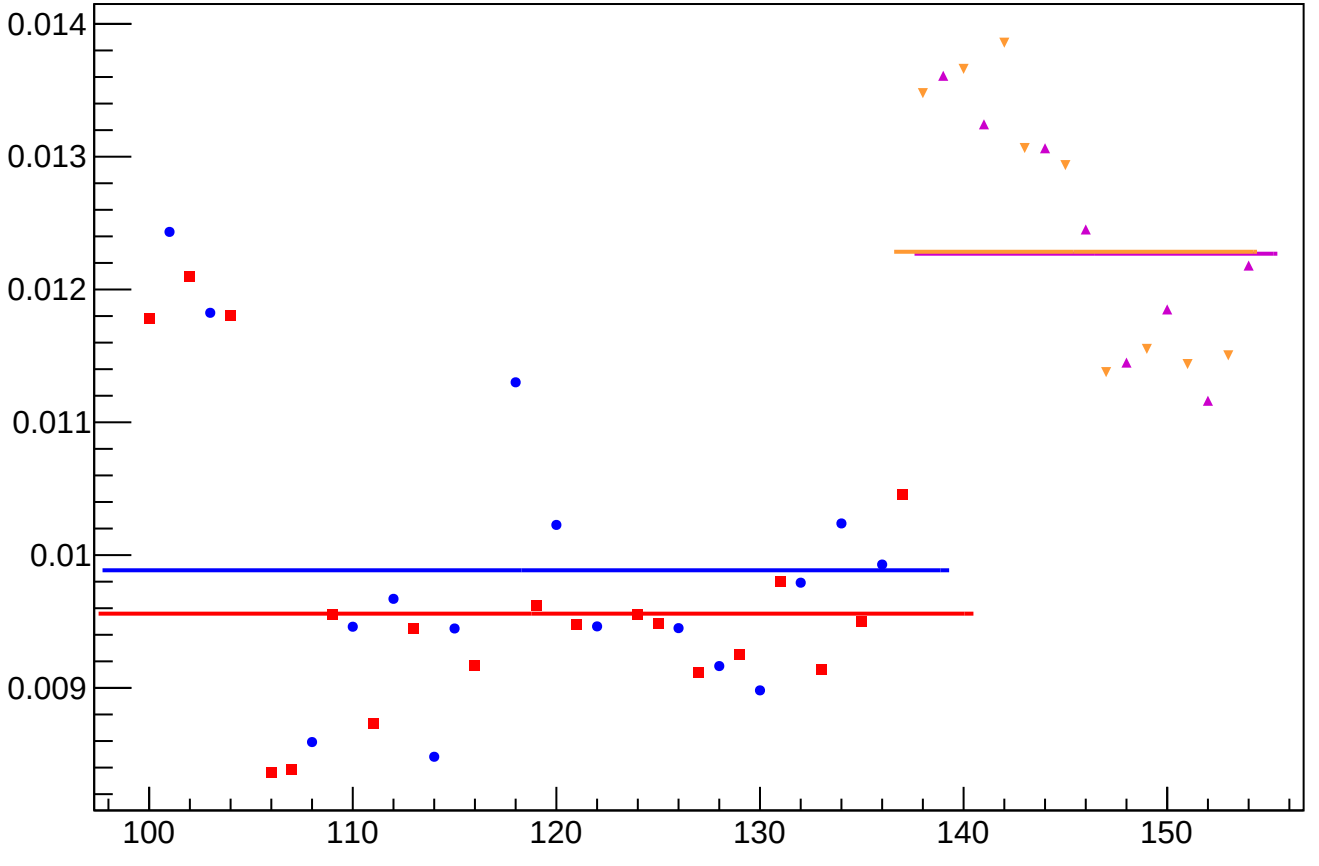
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.128+/-0.000 χ^2/NDF:3582534798.1/23

Out: 0.122+/-0.000 χ^2/NDF:6168988406.9/27

All: 0.125+/-0.000 χ^2/NDF: 9754126080.3/51

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:57328.3/7

Left: 0.012+/-0.000 χ^2/NDF: 136136.8/16

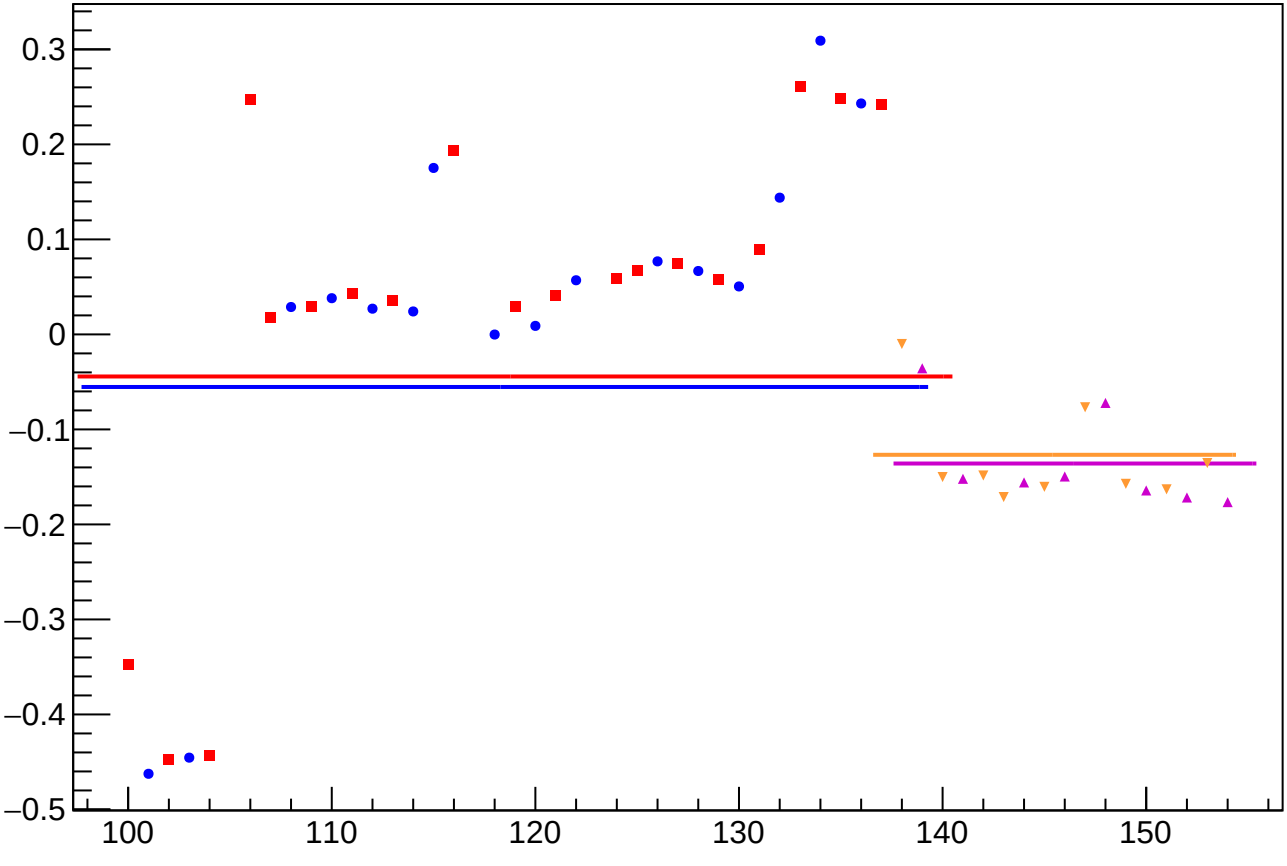
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:511154.9/23

Out: 0.011+/-0.000 χ^2/NDF:629870.9/27

All: 0.011+/-0.000 χ^2/NDF: 1149795.9/51

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: -0.136+/-0.000 χ^2/NDF:1743537889.2/7

Left: -0.131+/-0.000 χ^2/NDF: 3759804361.5/16

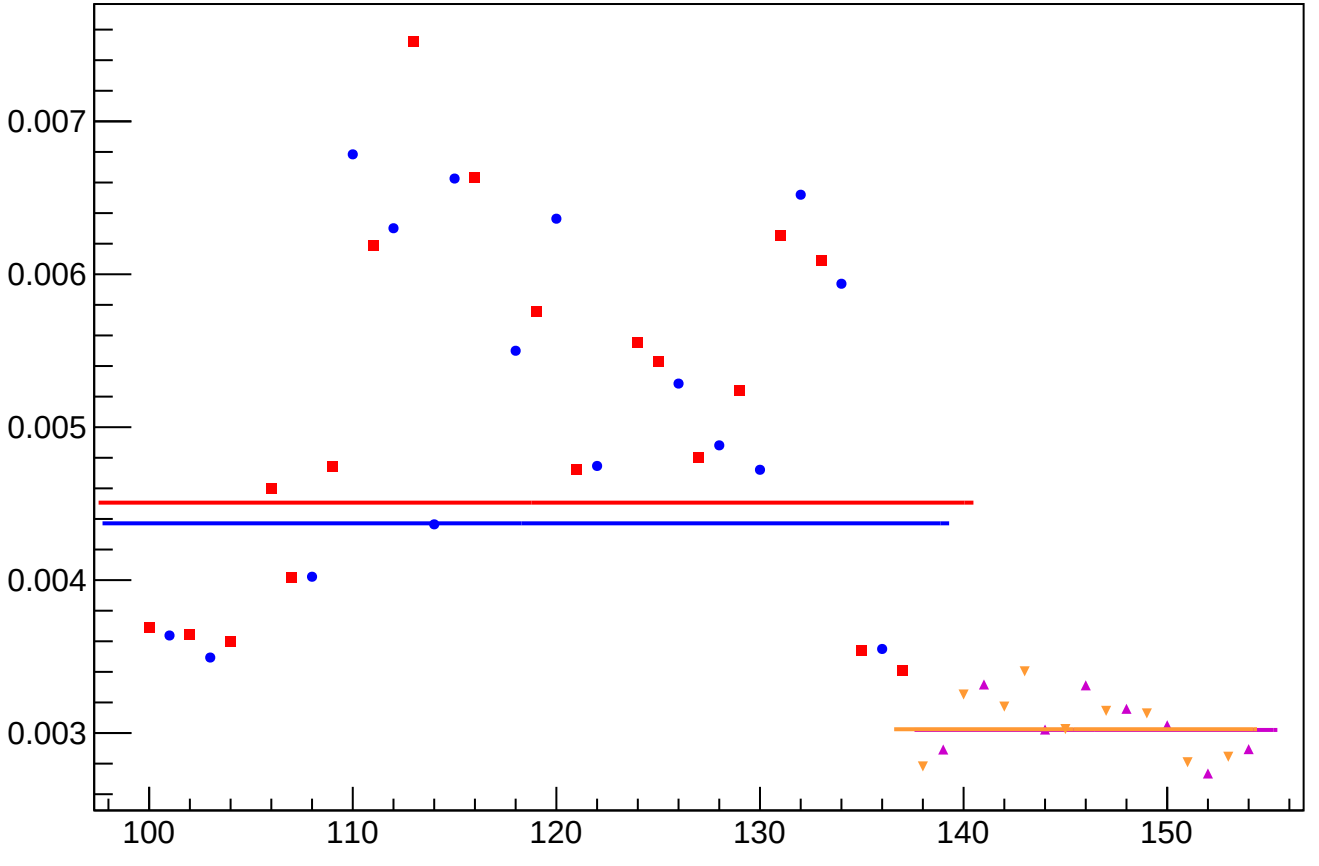
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.111+/-0.000 χ^2/NDF:27258741771.5/23

Out: -0.101+/-0.000 χ^2/NDF:25605540891.9/27

All: -0.106+/-0.000 χ^2/NDF: 52911640707.4/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:58031.0/8

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:52282.8/7

Left: 0.003+/-0.000 χ^2/NDF: 110328.9/16

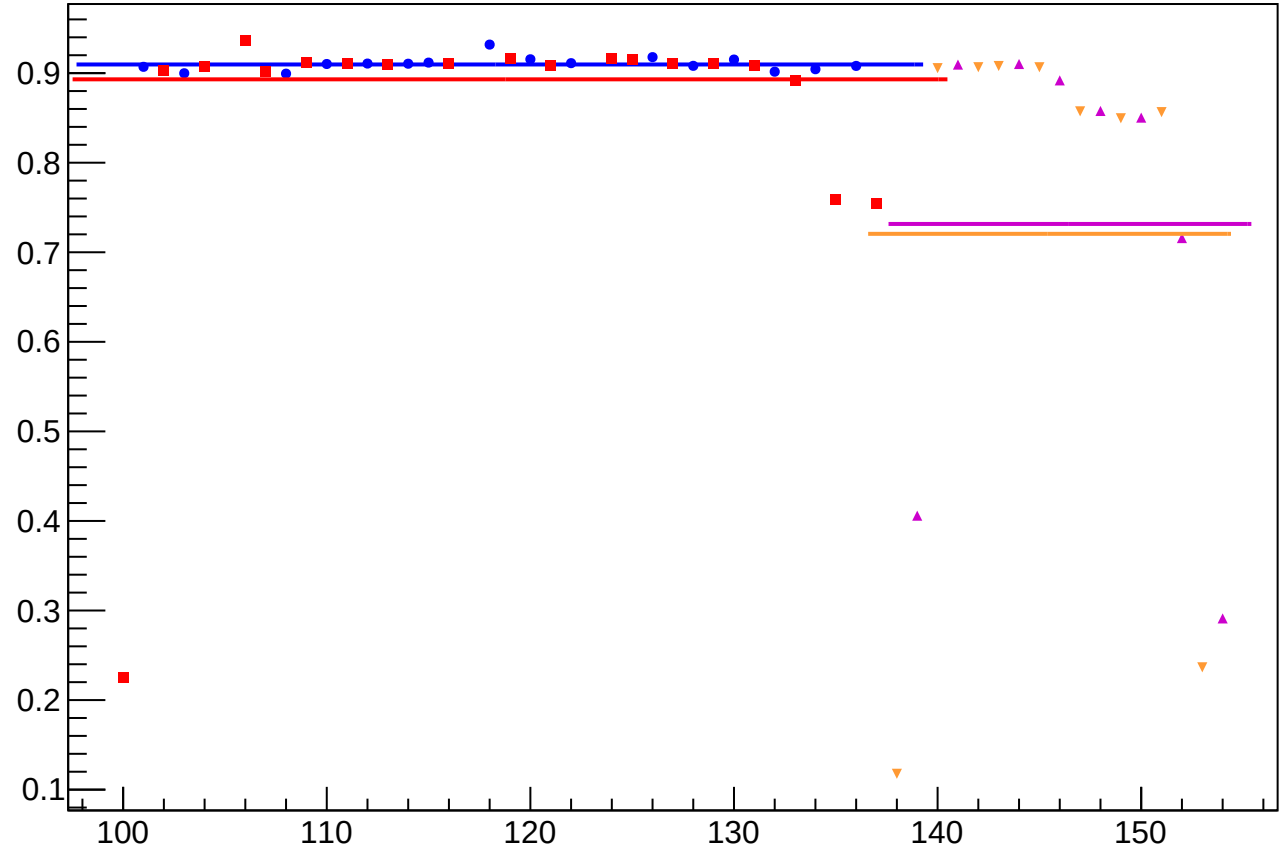
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1518956.0/23

Out: 0.003+/-0.000 χ^2/NDF:1721154.6/27

All: 0.003+/-0.000 χ^2/NDF: 3241914.3/51

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: 0.732+/-0.000 χ^2/NDF:2347898483.0/7

Left: 0.726+/-0.000 χ^2/NDF: 6284110572.5/16

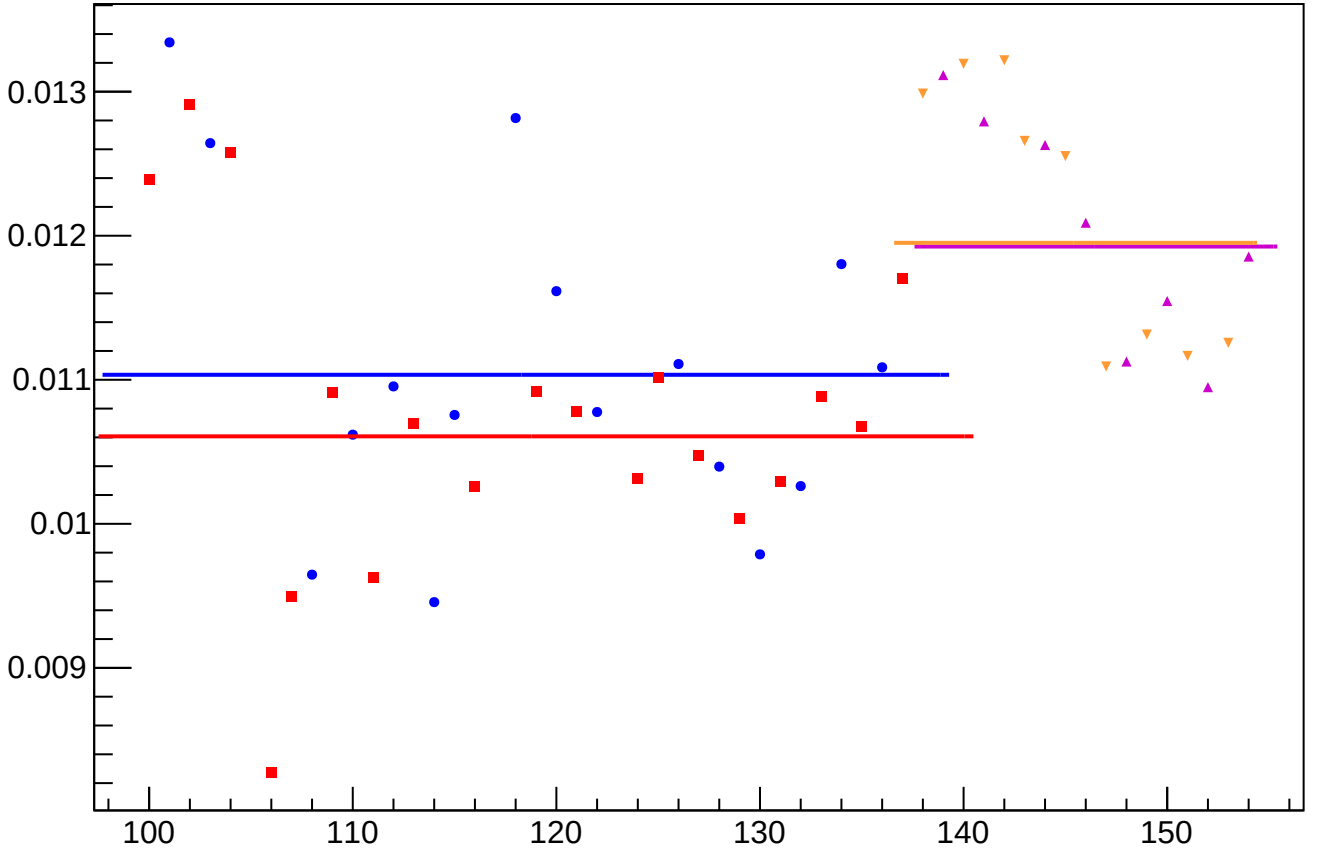
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.829+/-0.000 χ^2/NDF:3159061759.4/23

Out: 0.821+/-0.000 χ^2/NDF:5059522195.3/27

All: 0.825+/-0.000 χ^2/NDF: 8222329836.8/51

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:49731.3/7

Left: 0.012+/-0.000 χ^2/NDF: 117006.9/16

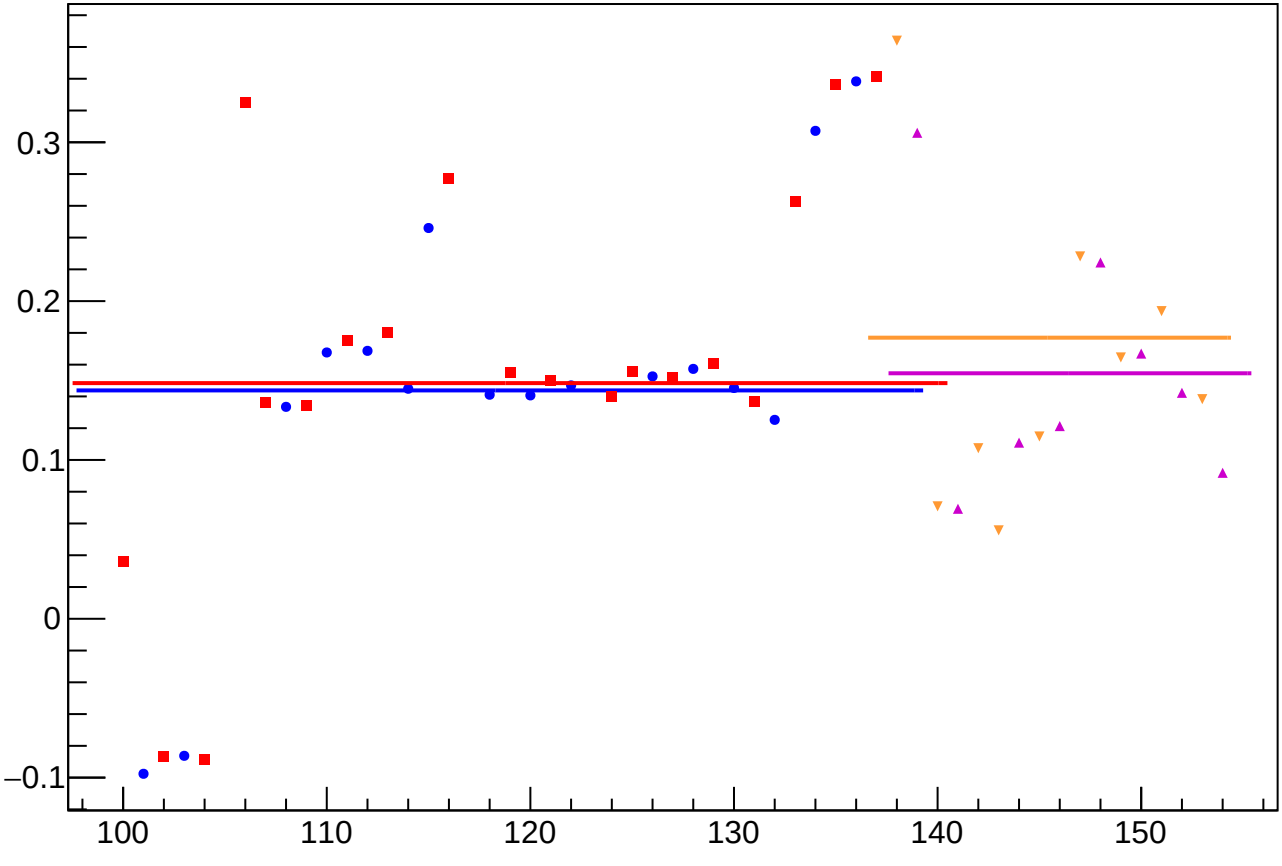
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:220480.8/23

Out: 0.011+/-0.000 χ^2/NDF:307988.0/27

All: 0.011+/-0.000 χ^2/NDF: 536054.8/51

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: 0.155+/-0.000 χ^2/NDF:2620473227.7/7

Left: 0.166+/-0.000 χ^2/NDF: 7008556281.4/16

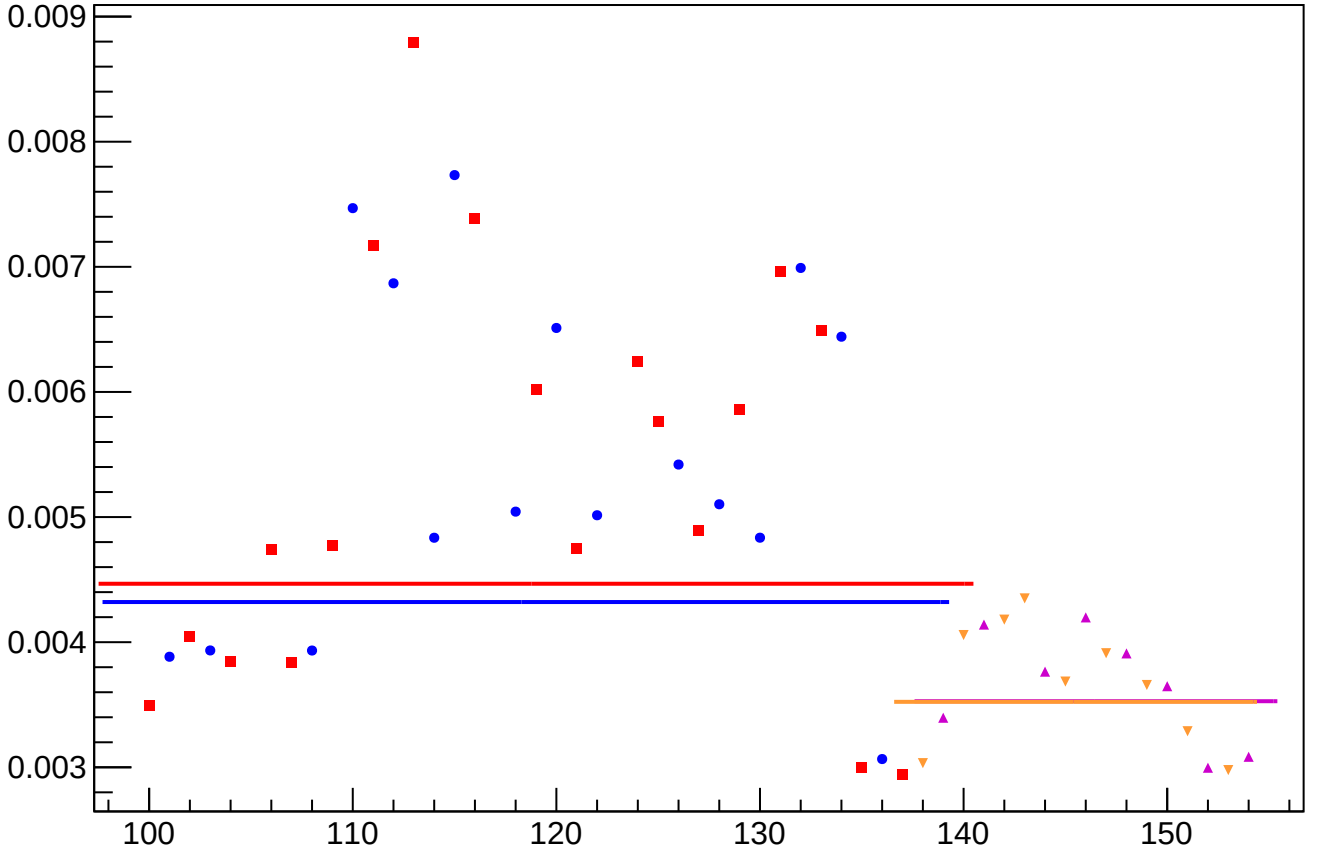
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.150+/-0.000 χ^2/NDF:10509907500.3/23

Out: 0.166+/-0.000 χ^2/NDF:11543579147.3/27

All: 0.158+/-0.000 χ^2/NDF: 22154192444.4/5

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:181523.9/7

Left: 0.004+/-0.000 χ^2/NDF: 392661.0/16

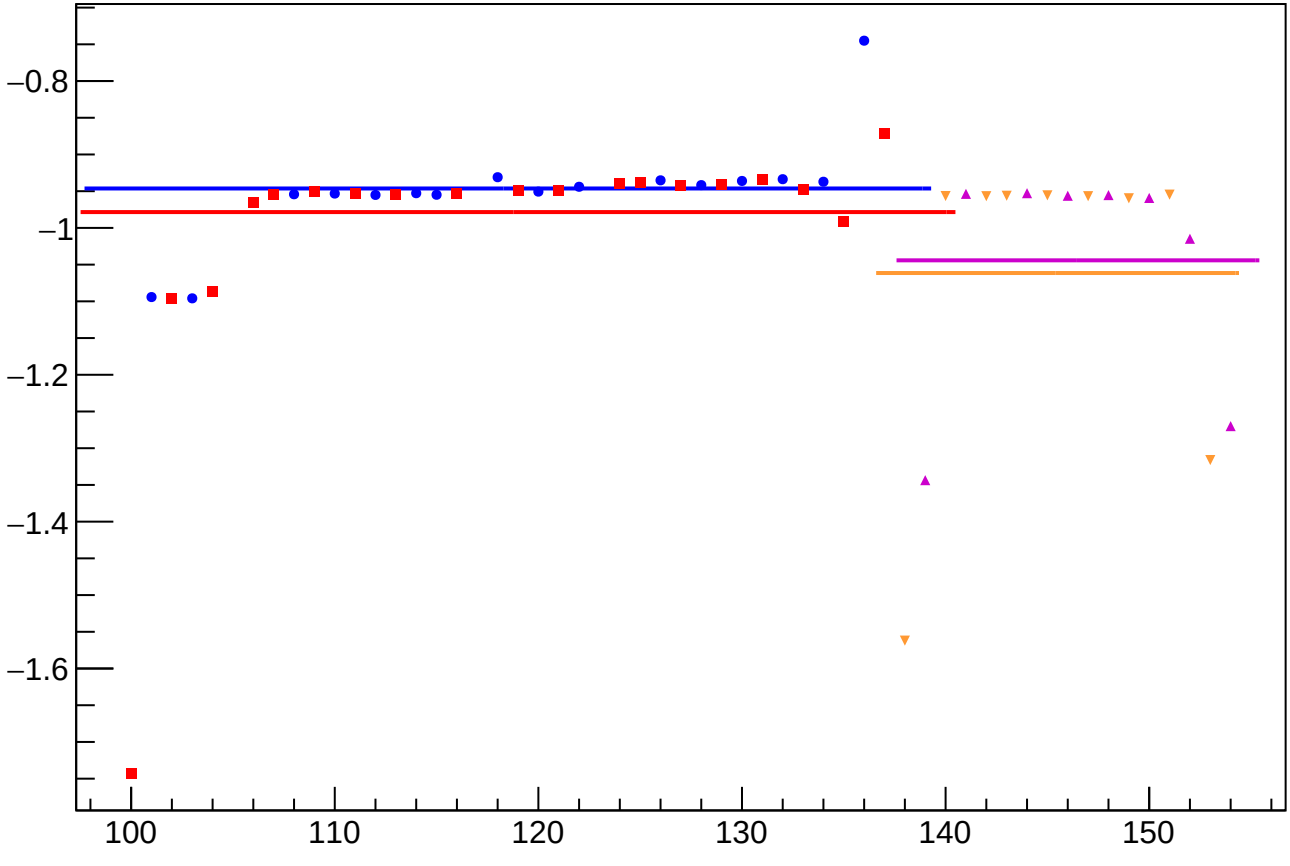
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1298802.6/23

Out: 0.004+/-0.000 χ^2/NDF:1629118.4/27

All: 0.004+/-0.000 χ^2/NDF: 2929609.0/51

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: -1.044+/-0.000 χ^2/NDF:1227422341.7/7

Left: -1.053+/-0.000 χ^2/NDF: 3618192389.0/16

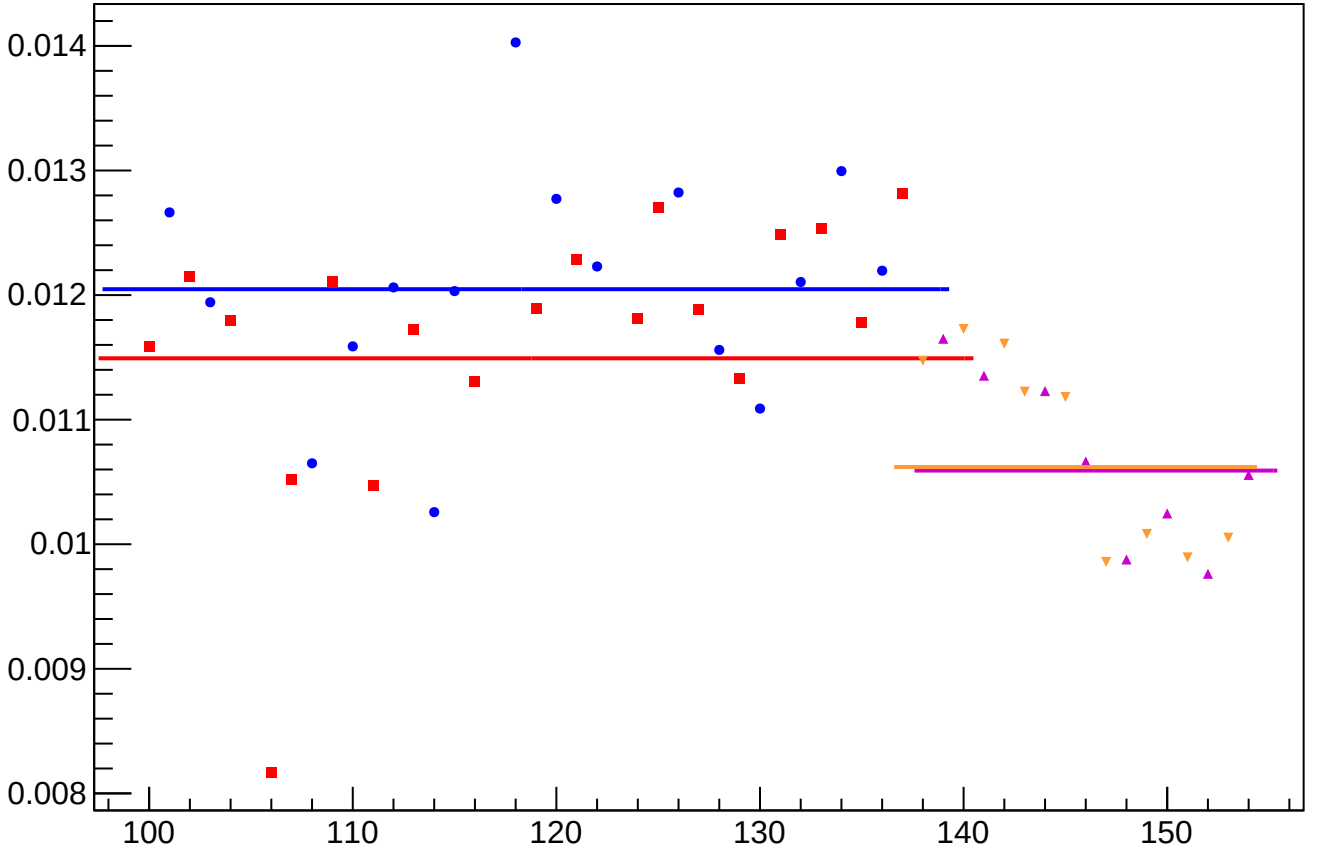
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.001+/-0.000 χ^2/NDF:1884143385.7/23

Out: -1.022+/-0.000 χ^2/NDF:3037288750.1/27

All: -1.011+/-0.000 χ^2/NDF: 4945343647.2/5

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:48884.2/7

Left: 0.011+/-0.000 χ^2/NDF: 113100.0/16

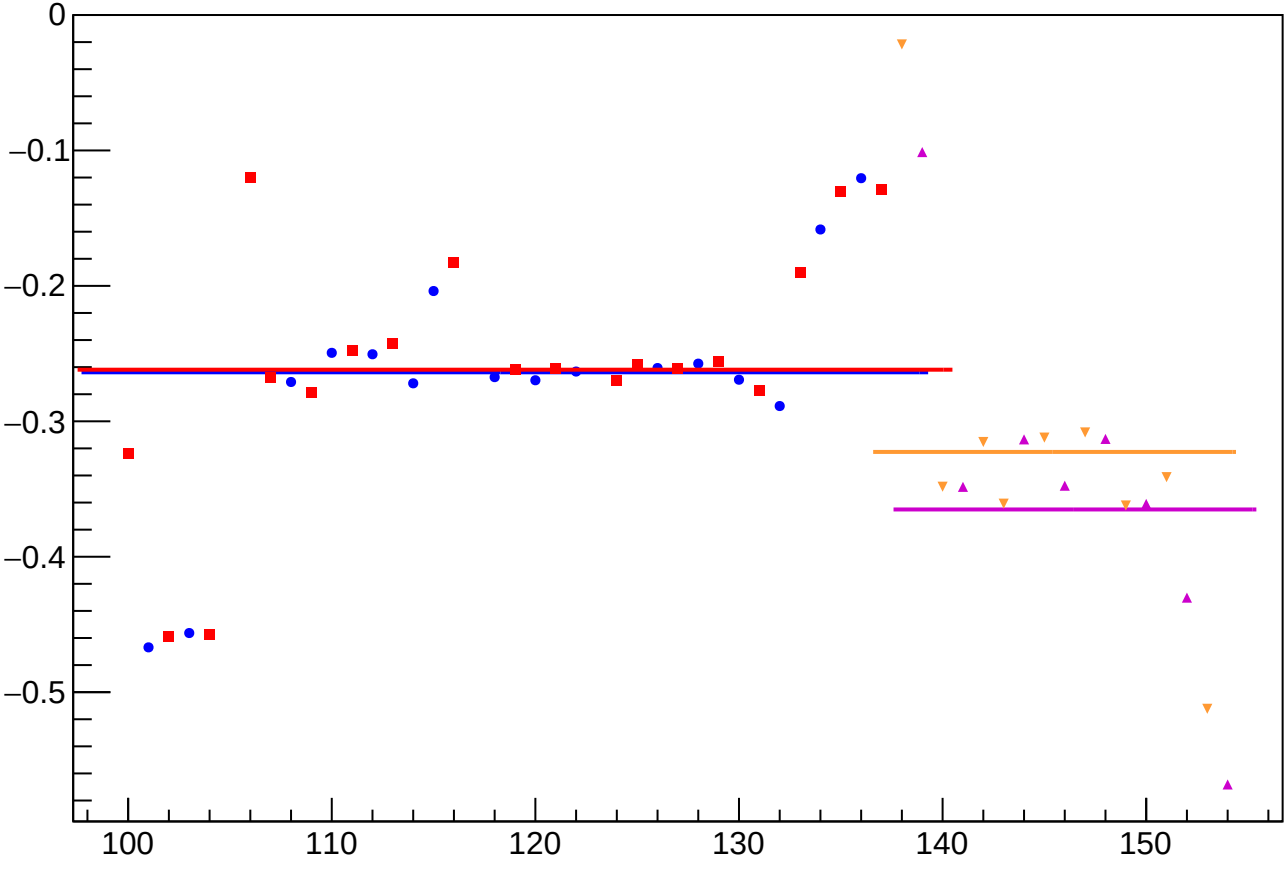
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:223021.2/23

Out: 0.011+/-0.000 χ^2/NDF:258459.7/27

All: 0.011+/-0.000 χ^2/NDF: 485812.6/51

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.323+/-0.000 χ^2/NDF:7552026171.3/8

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.365+/-0.000 χ^2/NDF:6750078227.7/7

Left: -0.344+/-0.000 χ^2/NDF: 14654385439.5/16

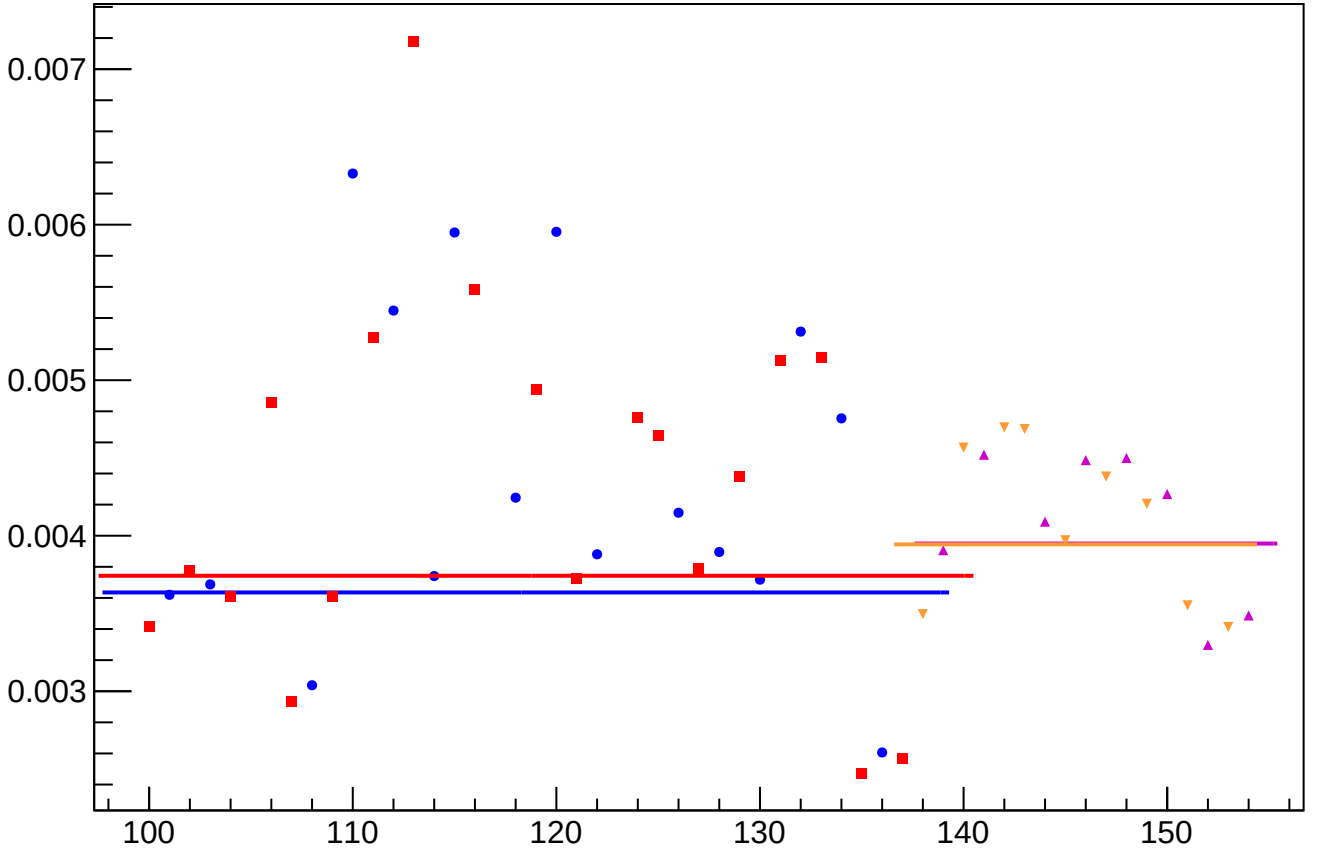
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.312+/-0.000 χ^2/NDF:14968864859.6/23

Out: -0.291+/-0.000 χ^2/NDF:13556413607.2/27

All: -0.301+/-0.000 χ^2/NDF: 28703244020.2/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



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:168192.7/7

Left: 0.004+/-0.000 χ^2/NDF: 346319.6/16

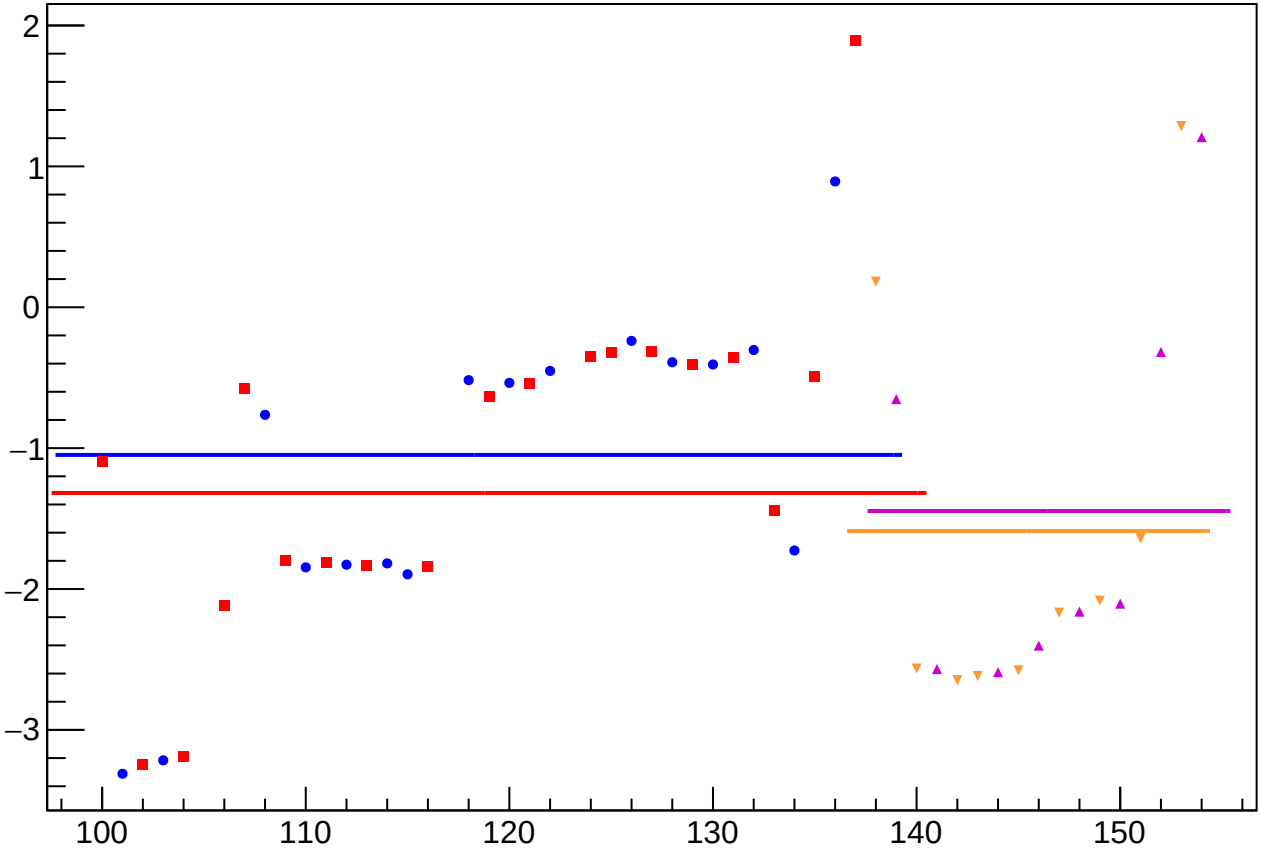
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:937504.7/23

Out: 0.004+/-0.000 χ^2/NDF:1088952.2/27

All: 0.004+/-0.000 χ^2/NDF: 2028943.6/51

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: -1.446+/-0.000 χ^2/NDF:2033046416.4/7

Left: -1.518+/-0.000 χ^2/NDF: 4247026841.9/16

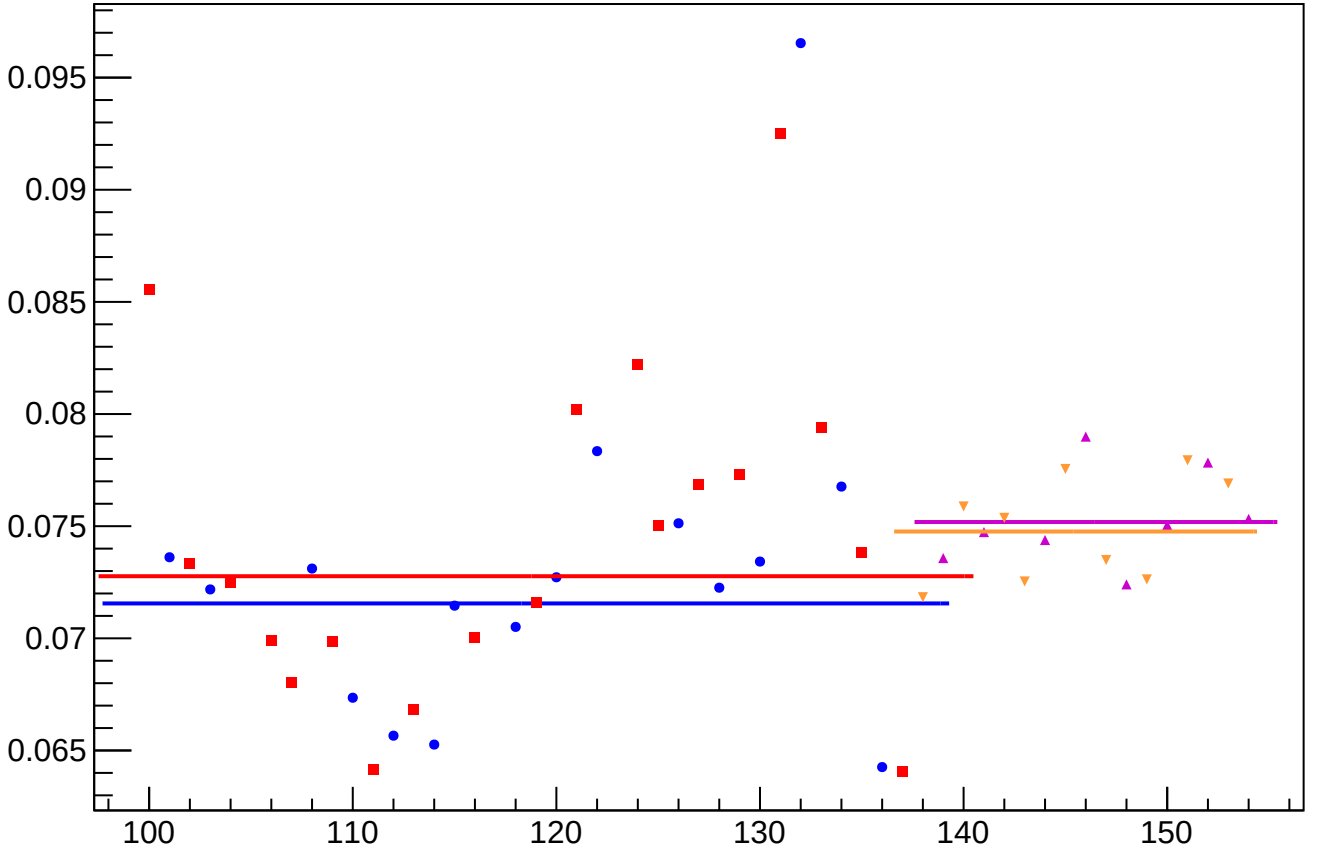
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.234+/-0.000 χ^2/NDF:4481678707.9/23

Out: -1.445+/-0.000 χ^2/NDF:4096910517.4/27

All: -1.340+/-0.000 χ^2/NDF: 8636032825.0/5

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:9285.3/7

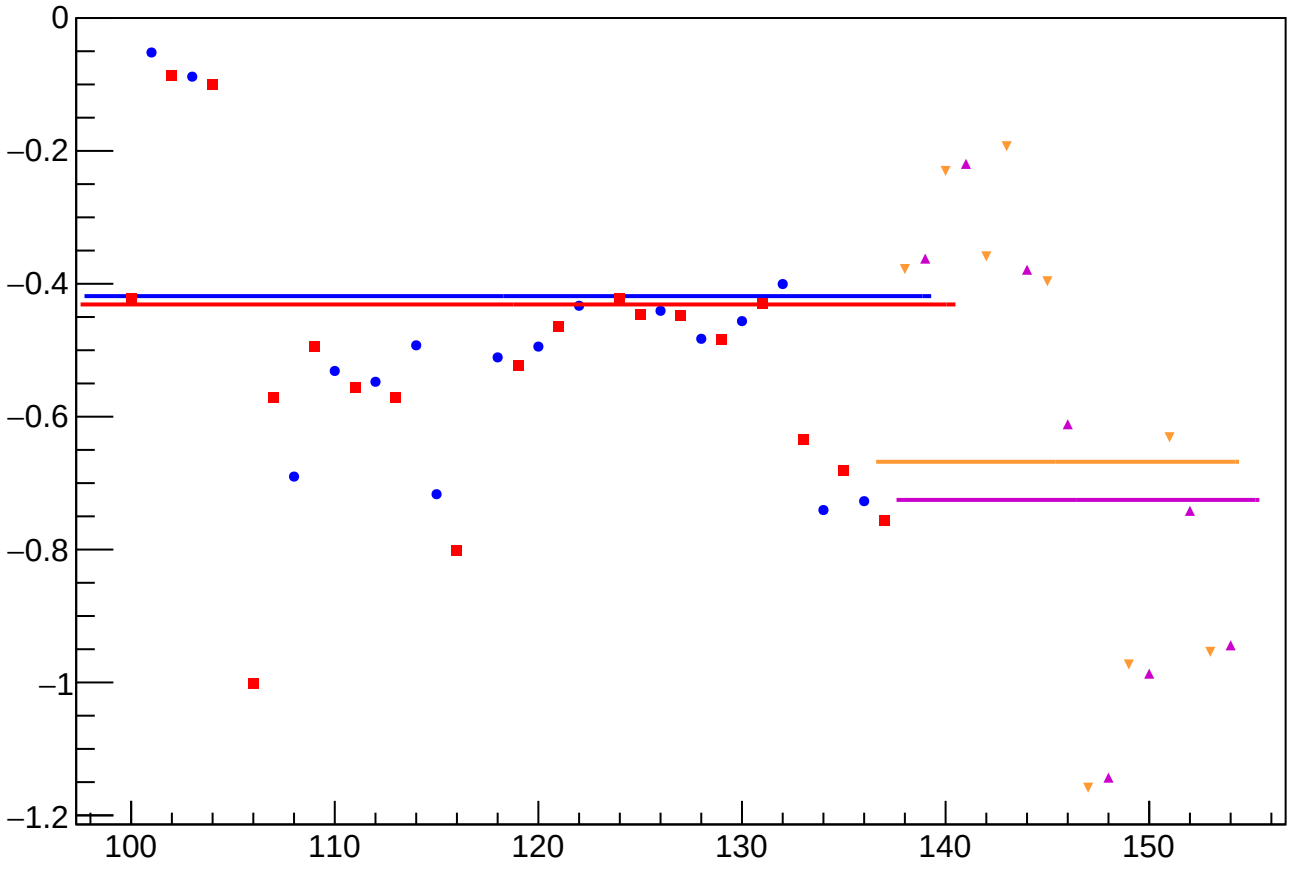
Left: 0.075+/-0.000 χ^2/NDF: 21921.7/16

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:127409.0/23

Out: 0.074+/-0.000 χ^2/NDF:114427.8/27

All: 0.073+/-0.000 χ^2/NDF: 242368.9/51



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: -0.725+/-0.000 χ^2/NDF:9431228975.1/7

Left: -0.697+/-0.000 χ^2/NDF: 20542286379.1/16

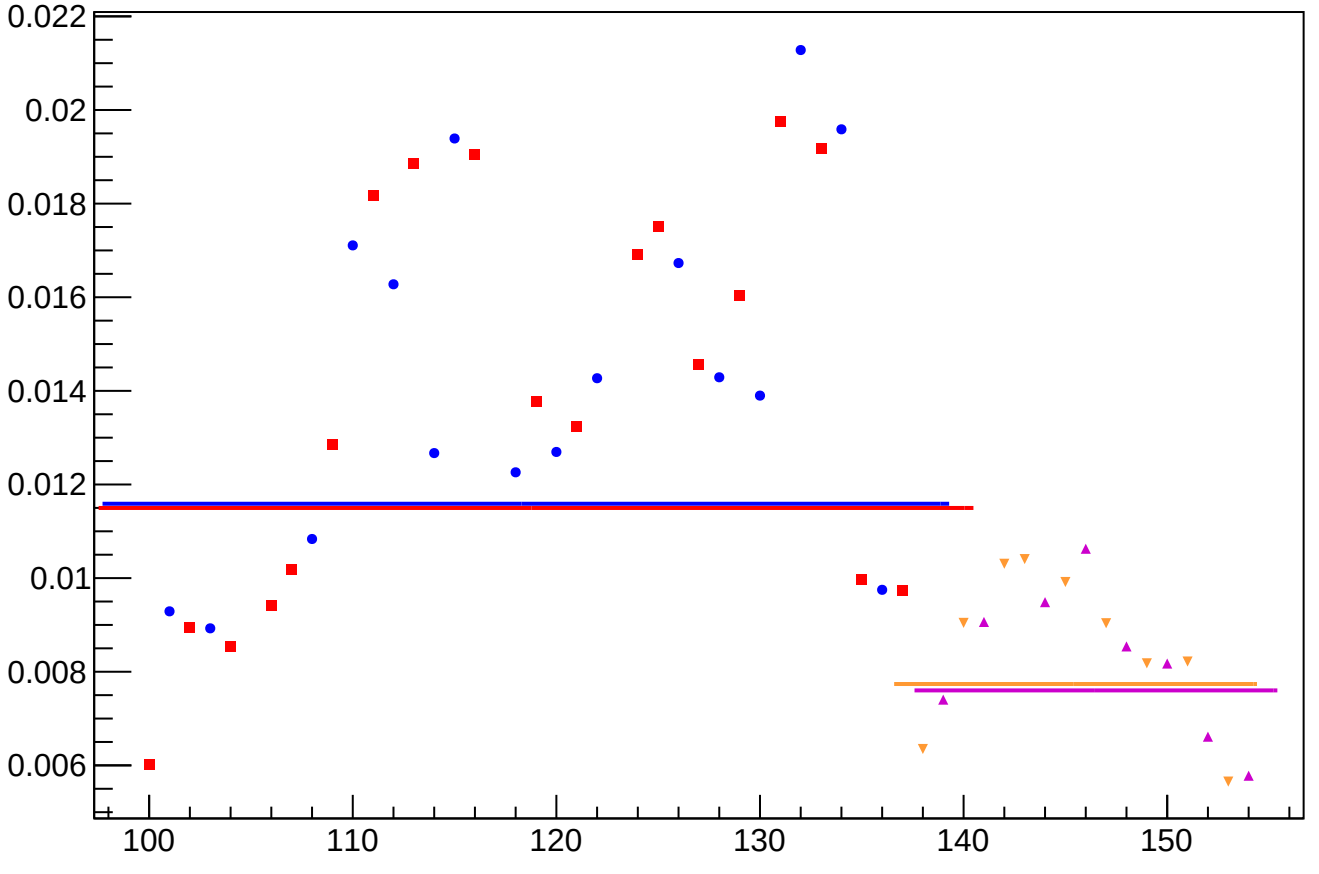
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.635+/-0.000 χ^2/NDF:15451703343.2/23

Out: -0.595+/-0.000 χ^2/NDF:15896665610.0/27

All: -0.615+/-0.000 χ^2/NDF: 31469814960.6/

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:460526.1/7

Left: 0.008+/-0.000 χ^2/NDF: 1033926.3/16

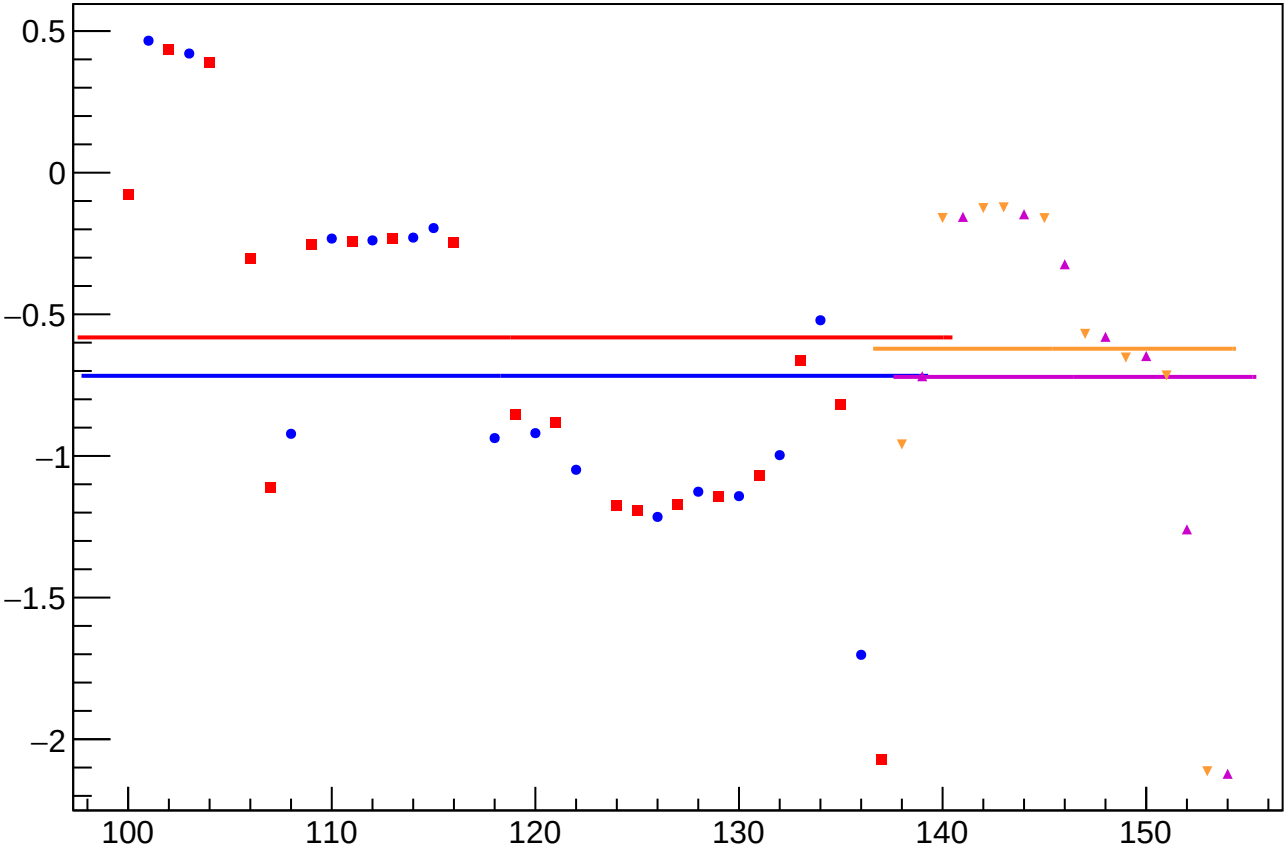
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.009+/-0.000 χ^2/NDF:2243490.3/23

Out: 0.009+/-0.000 χ^2/NDF:2624537.3/27

All: 0.009+/-0.000 χ^2/NDF: 4870389.3/51

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: -0.721+/-0.000 χ^2/NDF:360803501.9/7

Left: -0.671+/-0.000 χ^2/NDF: 701508028.7/16

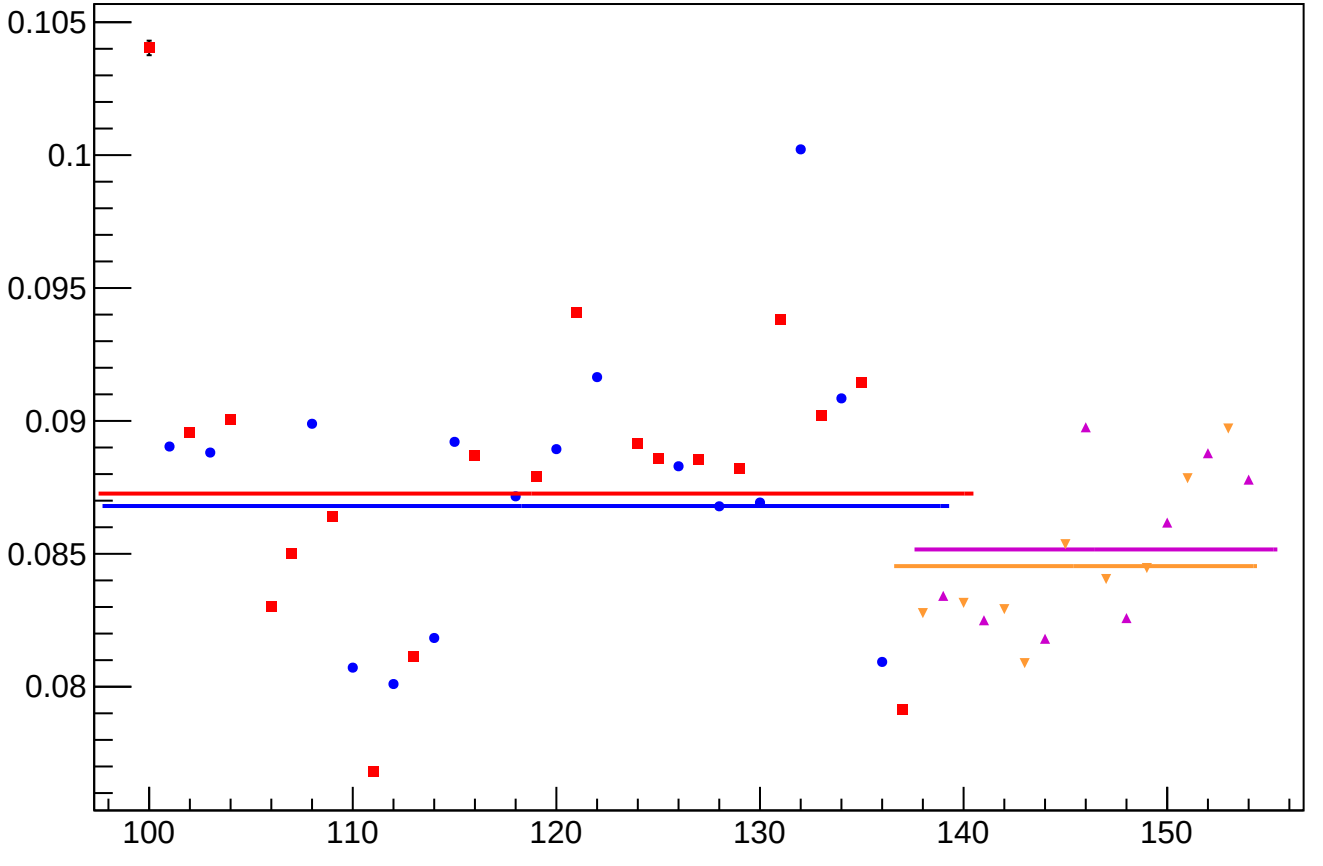
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.719+/-0.000 χ^2/NDF:798234187.8/23

Out: -0.601+/-0.000 χ^2/NDF:678767089.5/27

All: -0.660+/-0.000 χ^2/NDF: 1490334859.7/5

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:16461.8/7

Left: 0.085+/-0.000 χ^2/NDF: 29654.9/16

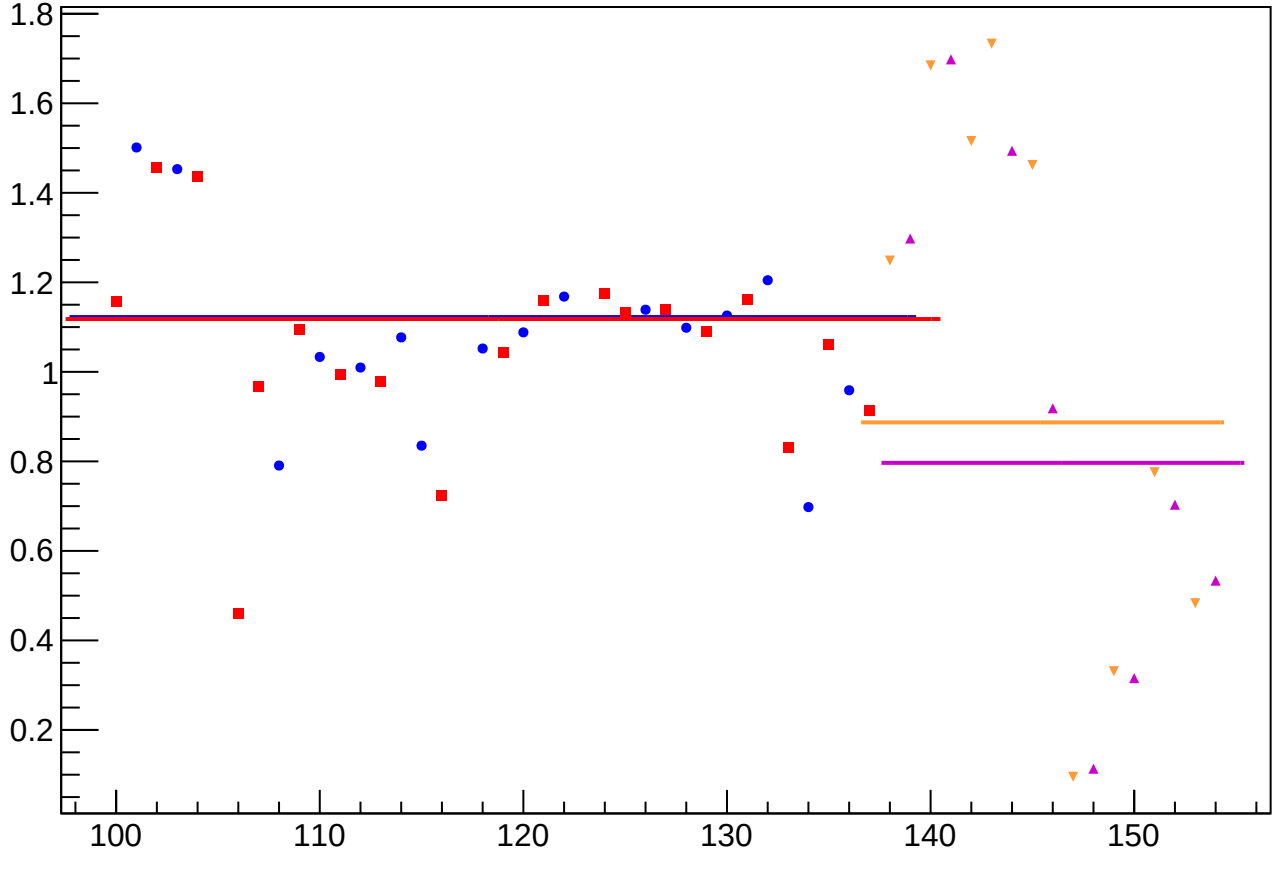
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:62586.1/23

Out: 0.086+/-0.000 χ^2/NDF:66242.1/27

All: 0.086+/-0.000 χ^2/NDF: 128839.0/51

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: 0.797+/-0.000 χ^2/NDF:17991040306.7/7

Left: 0.840+/-0.000 χ^2/NDF: 39620334871.8/16

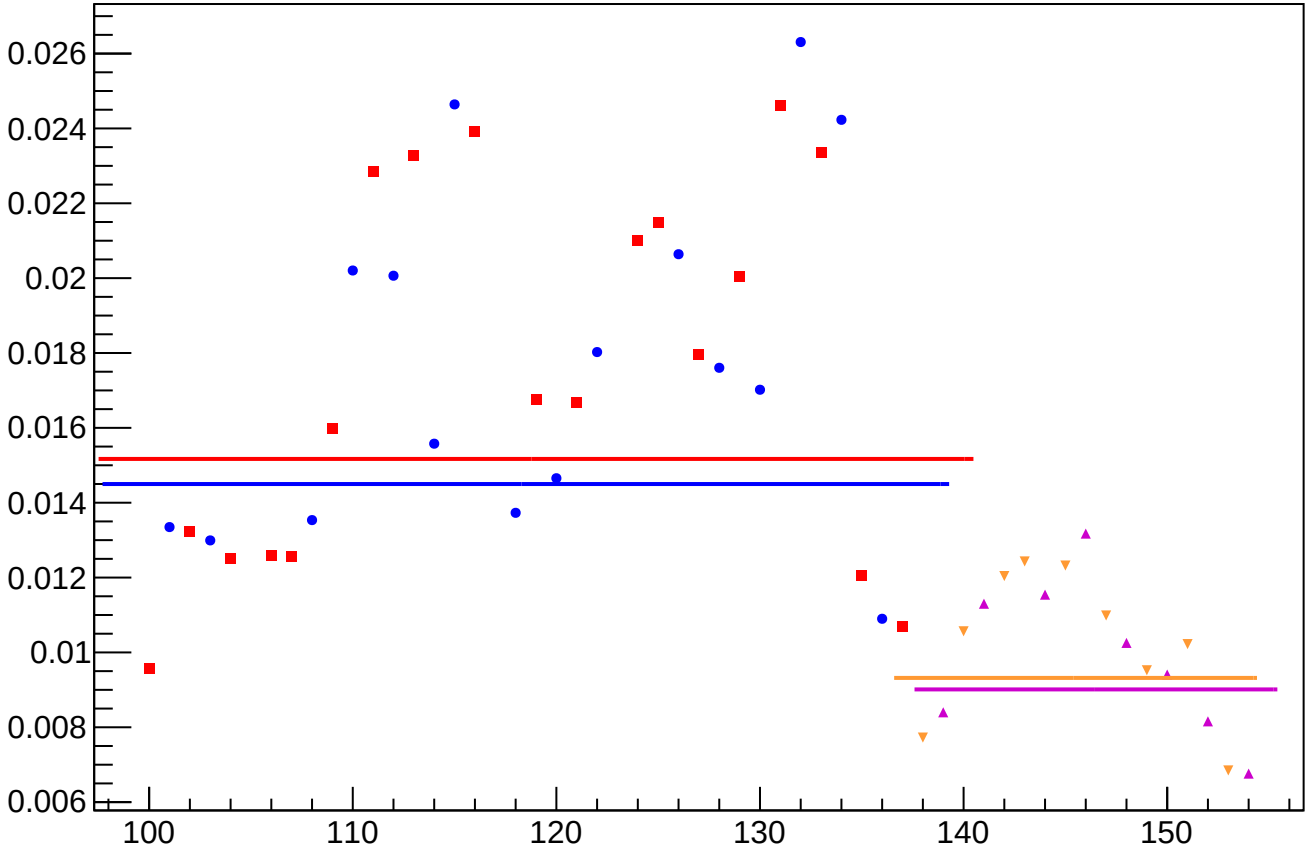
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.885+/-0.000 χ^2/NDF:21640473799.3/23

Out: 0.950+/-0.000 χ^2/NDF:23932742067.4/27

All: 0.916+/-0.000 χ^2/NDF: 45786207137.5/5

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: 0.009+/-0.000 χ^2/NDF:536983.9/7

Left: 0.009+/-0.000 χ^2/NDF: 1105065.0/16

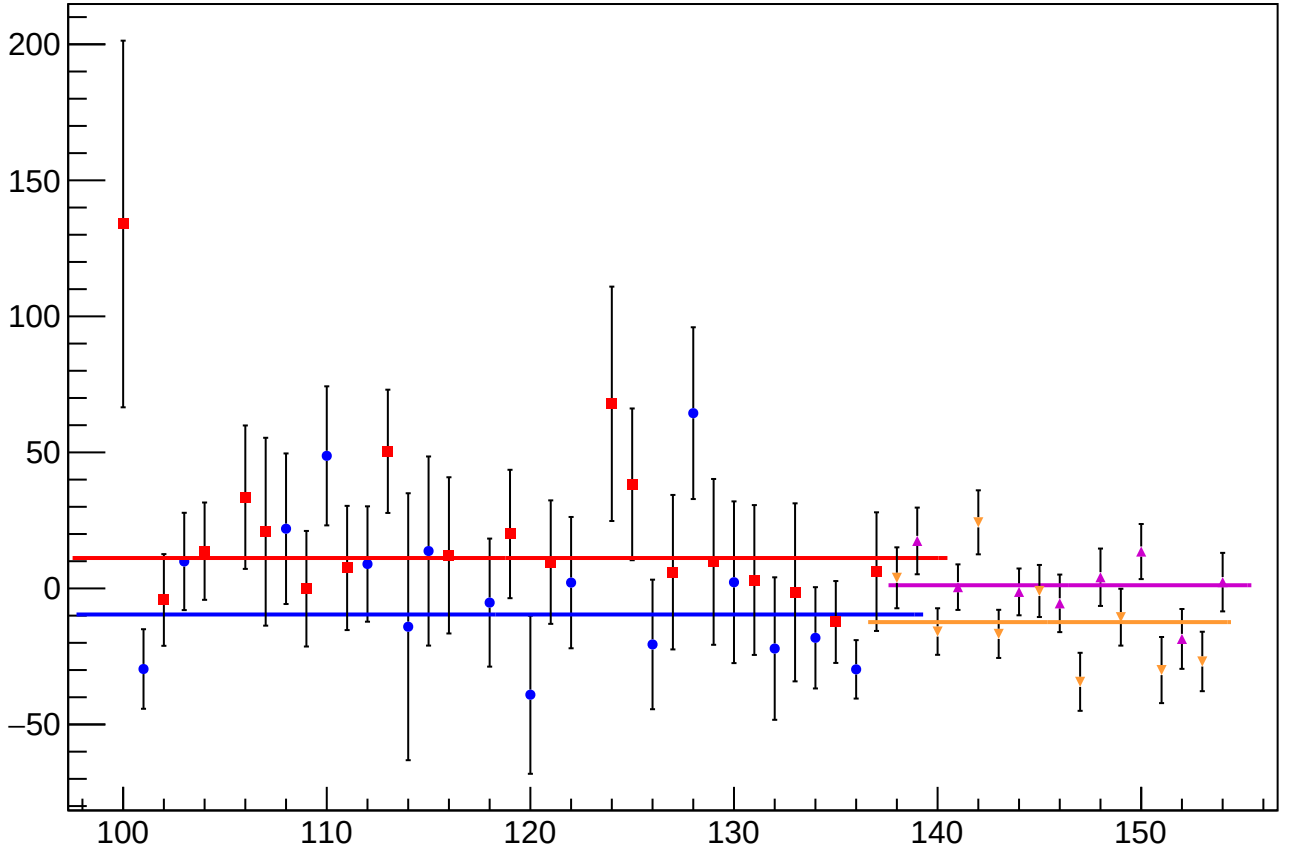
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.011+/-0.000 χ^2/NDF:2493666.7/23

Out: 0.011+/-0.000 χ^2/NDF:2754353.3/27

All: 0.011+/-0.000 χ^2/NDF: 5265013.2/51

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: 1.169+/-3.557 χ^2/NDF:7.1/7

Left: -5.877+/-2.464 χ^2/NDF: 36.4/16

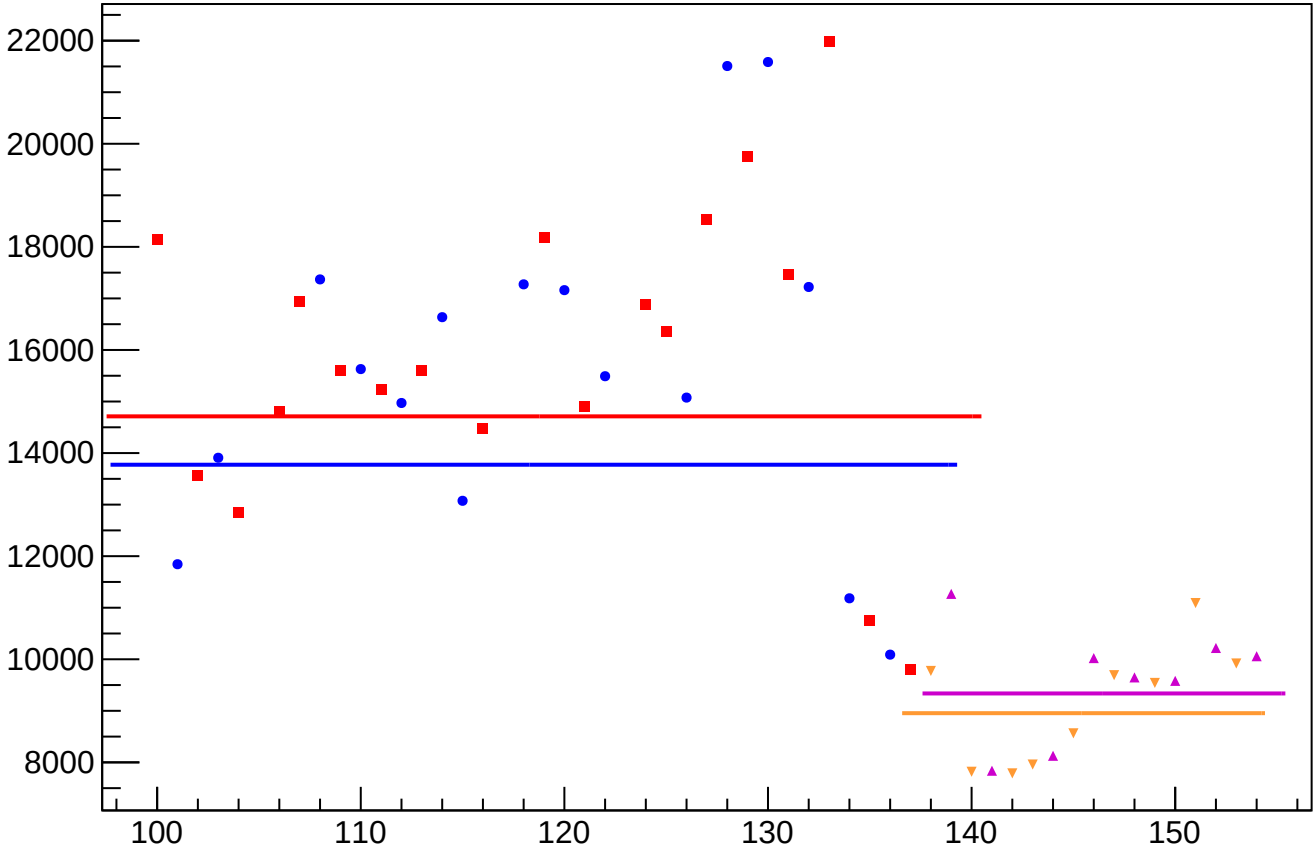
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -2.177+/-2.952 χ^2/NDF:31.8/23

Out: -5.815+/-2.902 χ^2/NDF:48.9/27

All: -4.027+/-2.069 χ^2/NDF: 81.5/51

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: 9336.987+/-2.515 χ^2/NDF:186559.6/7

Left: 9137.999+/-1.742 χ^2/NDF: 386199.4/16

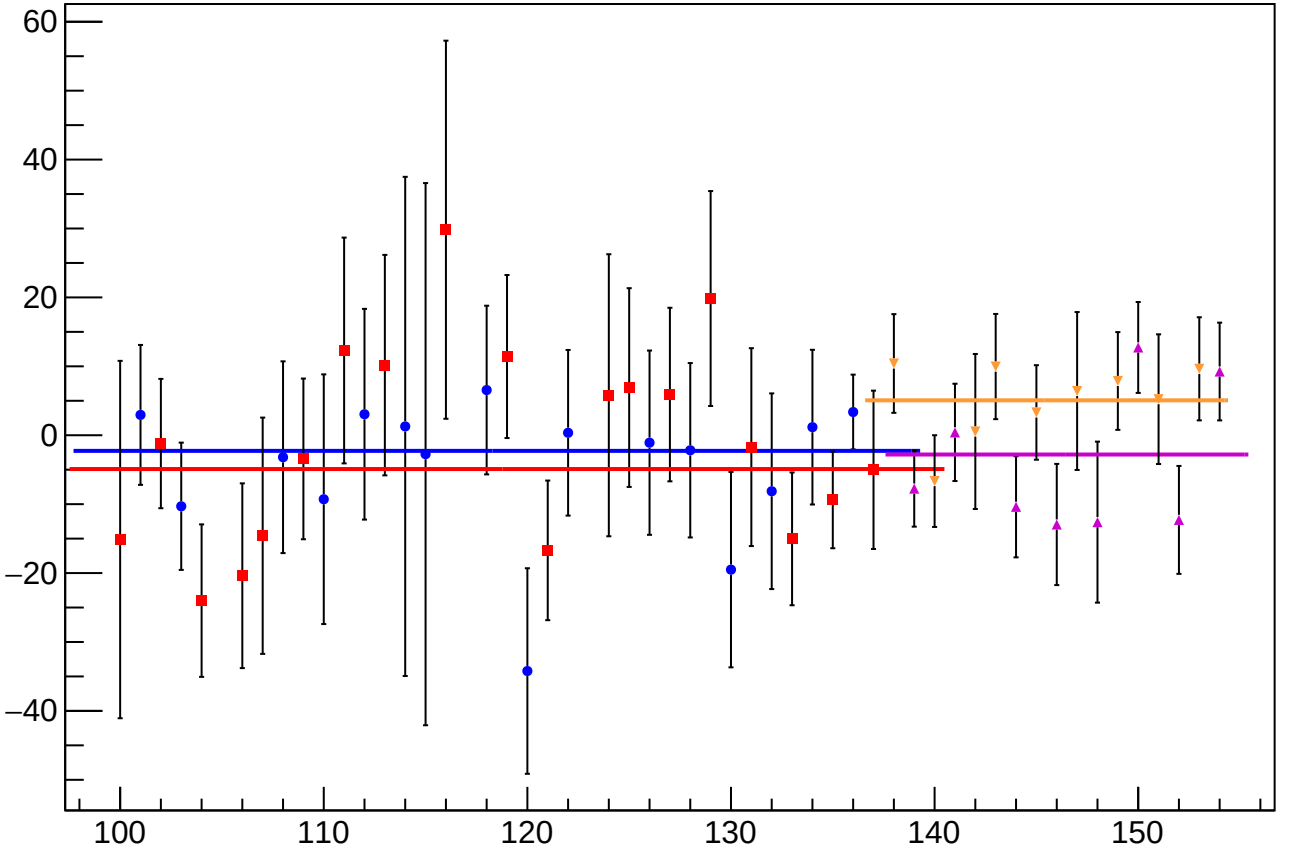
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10718.076+/-2.087 χ^2/NDF:1902896.5/23

Out: 10559.055+/-2.052 χ^2/NDF:2327578.1/27

All: 10637.216+/-1.463 χ^2/NDF: 4233426.2/5

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: -2.798+/-2.574 χ^2/NDF:14.0/7

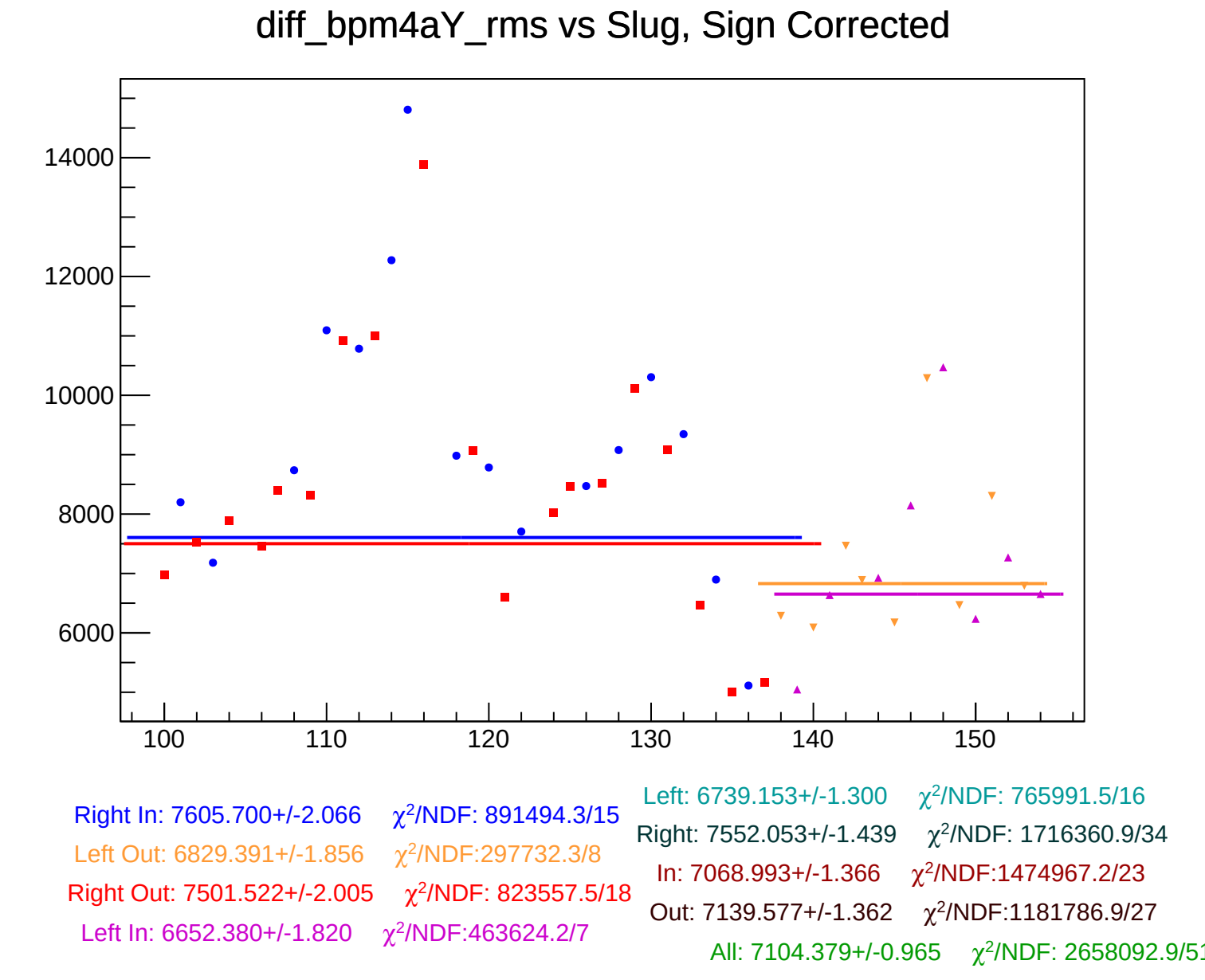
Left: 1.059+/-1.838 χ^2/NDF: 23.4/16

Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

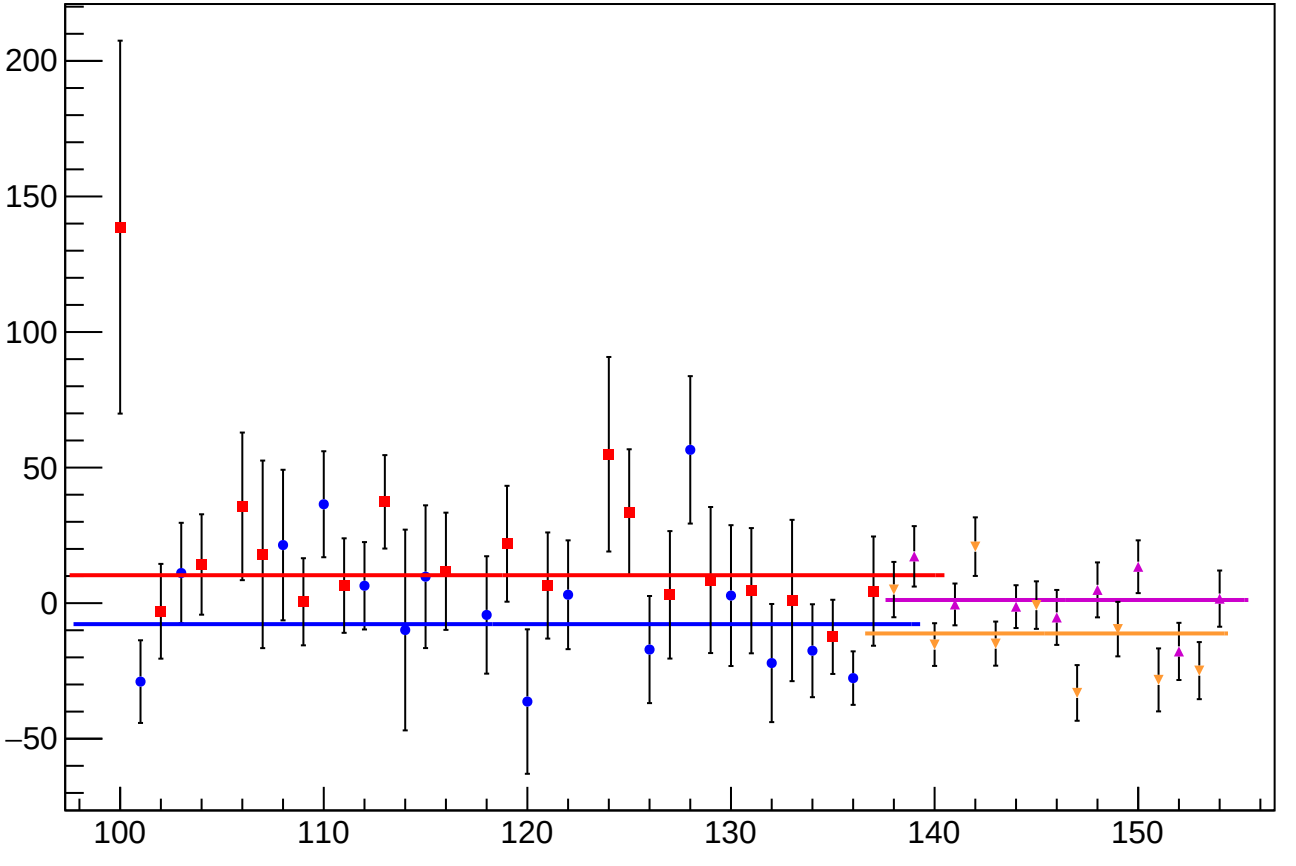
In: -2.566+/-1.932 χ^2/NDF:23.3/23

Out: 0.466+/-1.927 χ^2/NDF:29.1/27

All: -1.046+/-1.364 χ^2/NDF: 53.6/51


diff_bpm4aY_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7605.700+/-2.066 χ²/NDF: 891494.3/15
Left Out: 6829.391+/-1.856 χ²/NDF:297732.3/8
Right Out: 7501.522+/-2.005 χ²/NDF: 823557.5/18
Left In: 6652.380+/-1.820 χ²/NDF:463624.2/7
Left: 6739.153+/-1.300 χ²/NDF: 765991.5/16
Right: 7552.053+/-1.439 χ²/NDF: 1716360.9/34
In: 7068.993+/-1.366 χ²/NDF:1474967.2/23
Out: 7139.577+/-1.362 χ²/NDF:1181786.9/27
All: 7104.379+/-0.965 χ²/NDF: 2658092.9/51

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: 1.166+/-3.348 χ^2/NDF:7.6/7

Left: -5.302+/-2.310 χ^2/NDF: 36.4/16

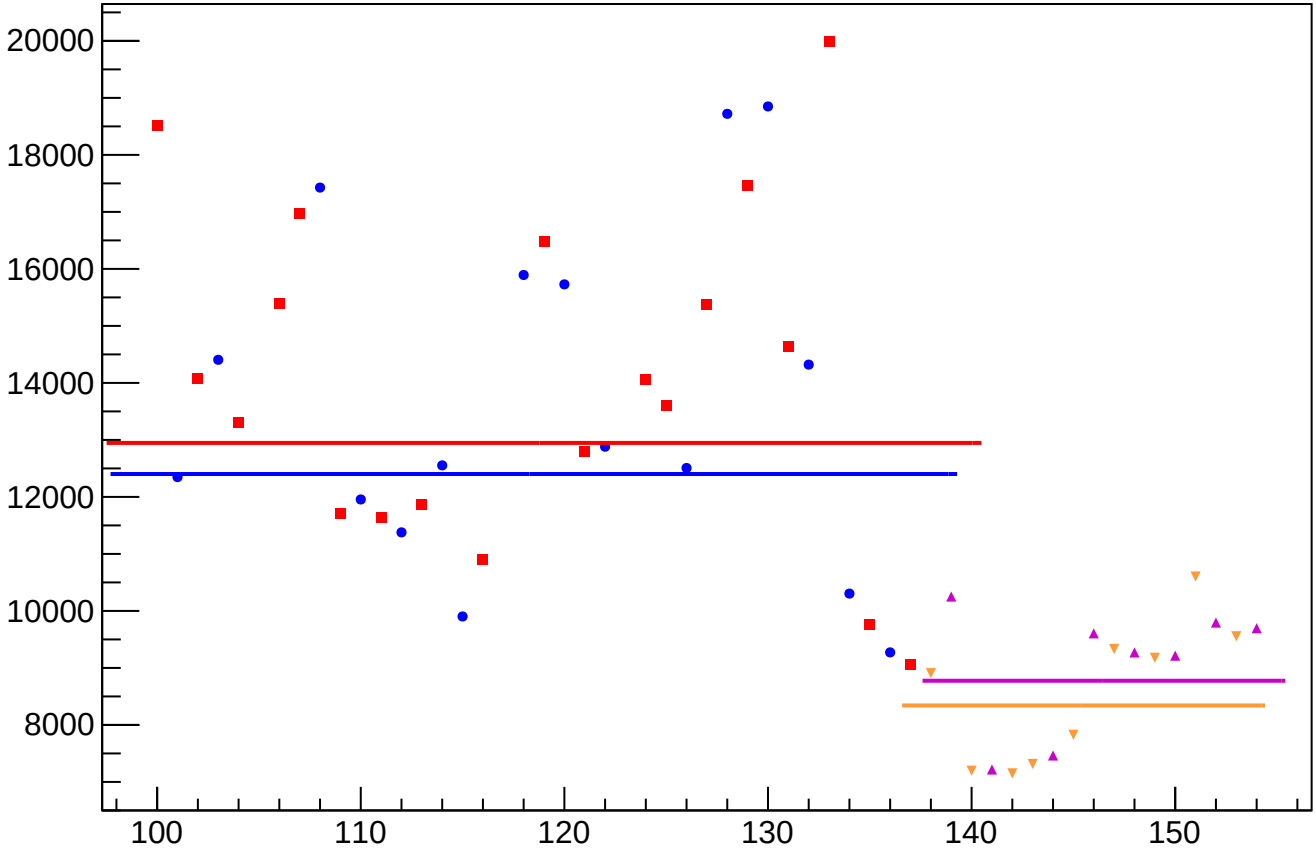
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -1.791+/-2.736 χ^2/NDF:32.6/23

Out: -4.668+/-2.664 χ^2/NDF:49.3/27

All: -3.268+/-1.909 χ^2/NDF: 82.5/51

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: 8775.136+/-2.367 χ^2/NDF:228717.3/7

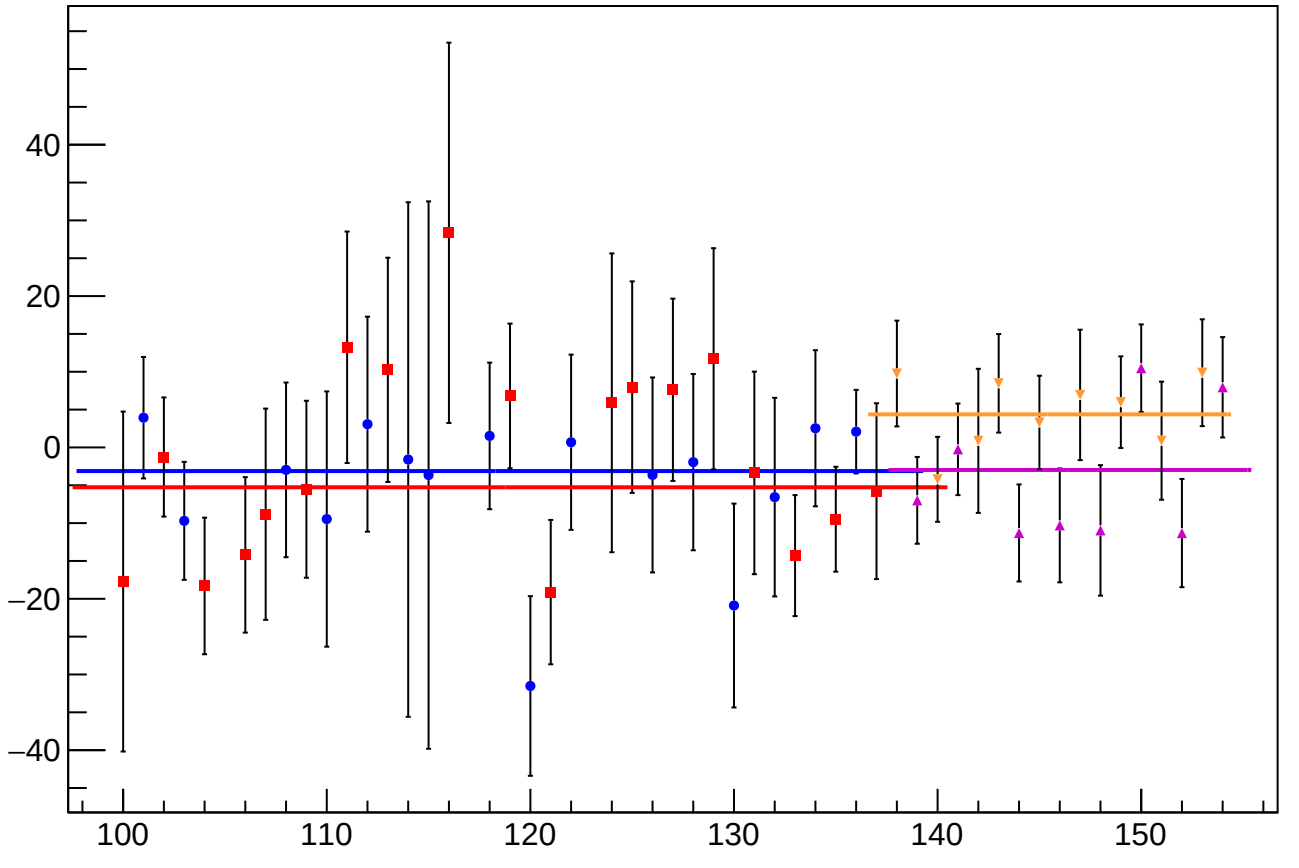
Left: 8548.059+/-1.633 χ^2/NDF: 492553.4/16

Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

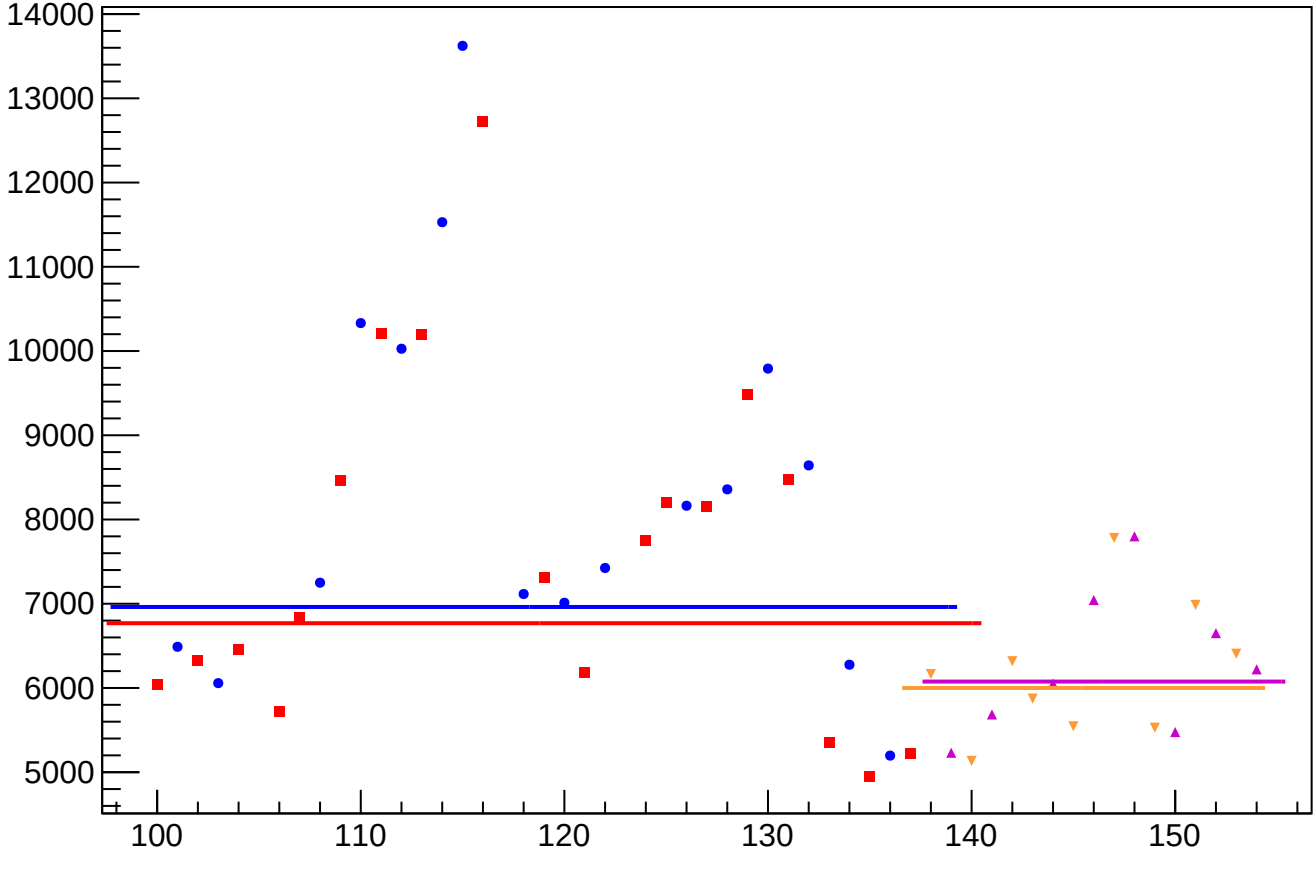
In: 9979.300+/-1.935 χ^2/NDF:1686392.7/23

Out: 9737.085+/-1.884 χ^2/NDF:2063864.2/27

All: 9854.959+/-1.350 χ^2/NDF: 3758303.6/51


diff_bpm4eY_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
Right In: -3.123+/-2.656 χ²/NDF: 10.9/15
Left Out: 4.370+/-2.292 χ²/NDF:4.5/8
Right Out: -5.265+/-2.553 χ²/NDF: 16.9/18
Left In: -2.975+/-2.323 χ²/NDF:13.7/7
Left: 0.747+/-1.632 χ²/NDF: 23.2/16
Right: -4.236+/-1.840 χ²/NDF: 28.1/34
In: -3.039+/-1.748 χ²/NDF:24.6/23
Out: 0.070+/-1.706 χ²/NDF:29.3/27
All: -1.446+/-1.221 χ²/NDF: 55.4/51

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: 6076.105+/-1.643 χ^2/NDF:200265.7/7

Left: 6037.560+/-1.154 χ^2/NDF: 400091.9/16

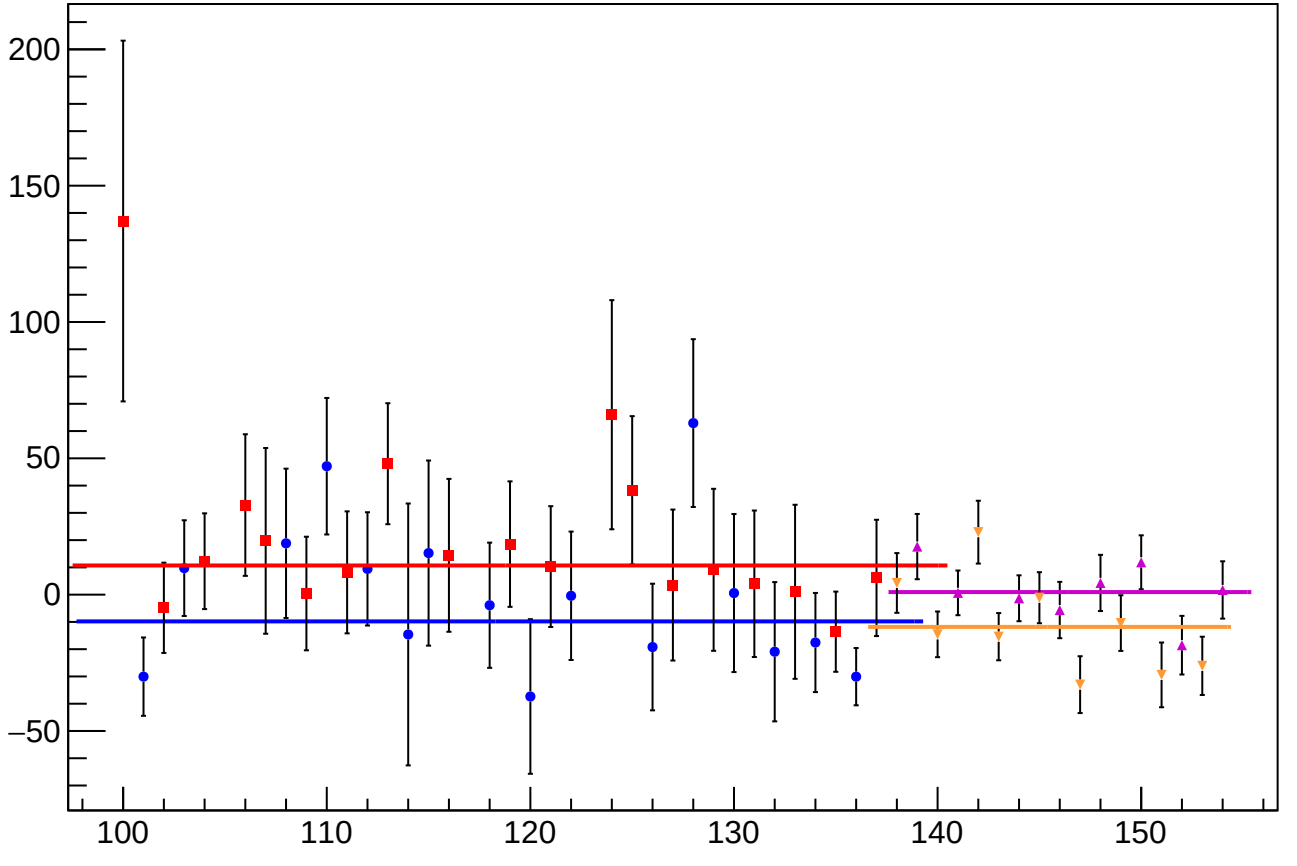
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6459.931+/-1.236 χ^2/NDF:1022653.8/23

Out: 6343.207+/-1.206 χ^2/NDF:1097307.5/27

All: 6400.120+/-0.863 χ^2/NDF: 2124528.7/51

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: 0.947+/-3.478 χ^2/NDF:7.0/7

Left: -5.694+/-2.410 χ^2/NDF: 35.0/16

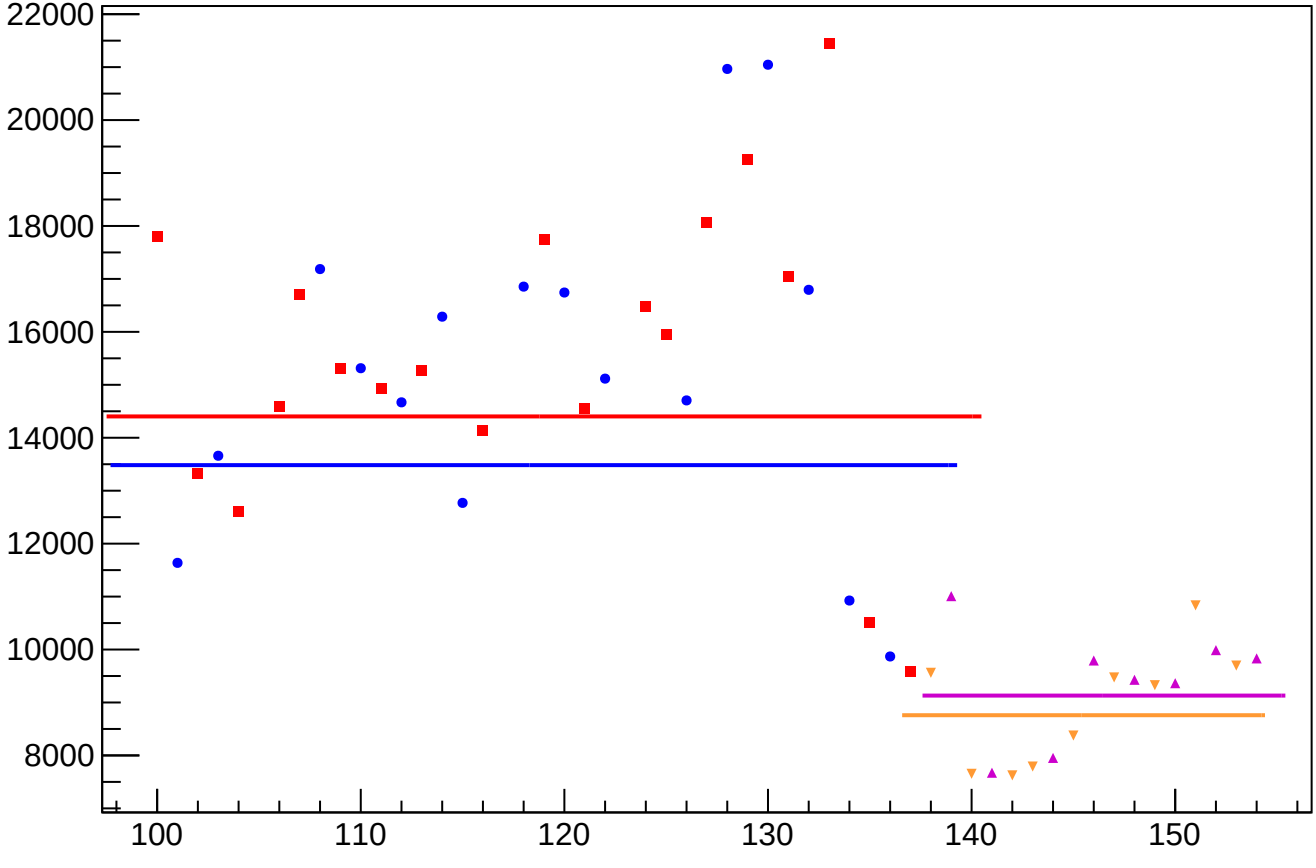
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.397+/-2.887 χ^2/NDF:32.1/23

Out: -5.555+/-2.839 χ^2/NDF:47.9/27

All: -4.002+/-2.024 χ^2/NDF: 80.6/51

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: 9130.304+/-2.459 χ^2/NDF:184263.1/7

Left: 8937.538+/-1.704 χ^2/NDF: 381616.0/16

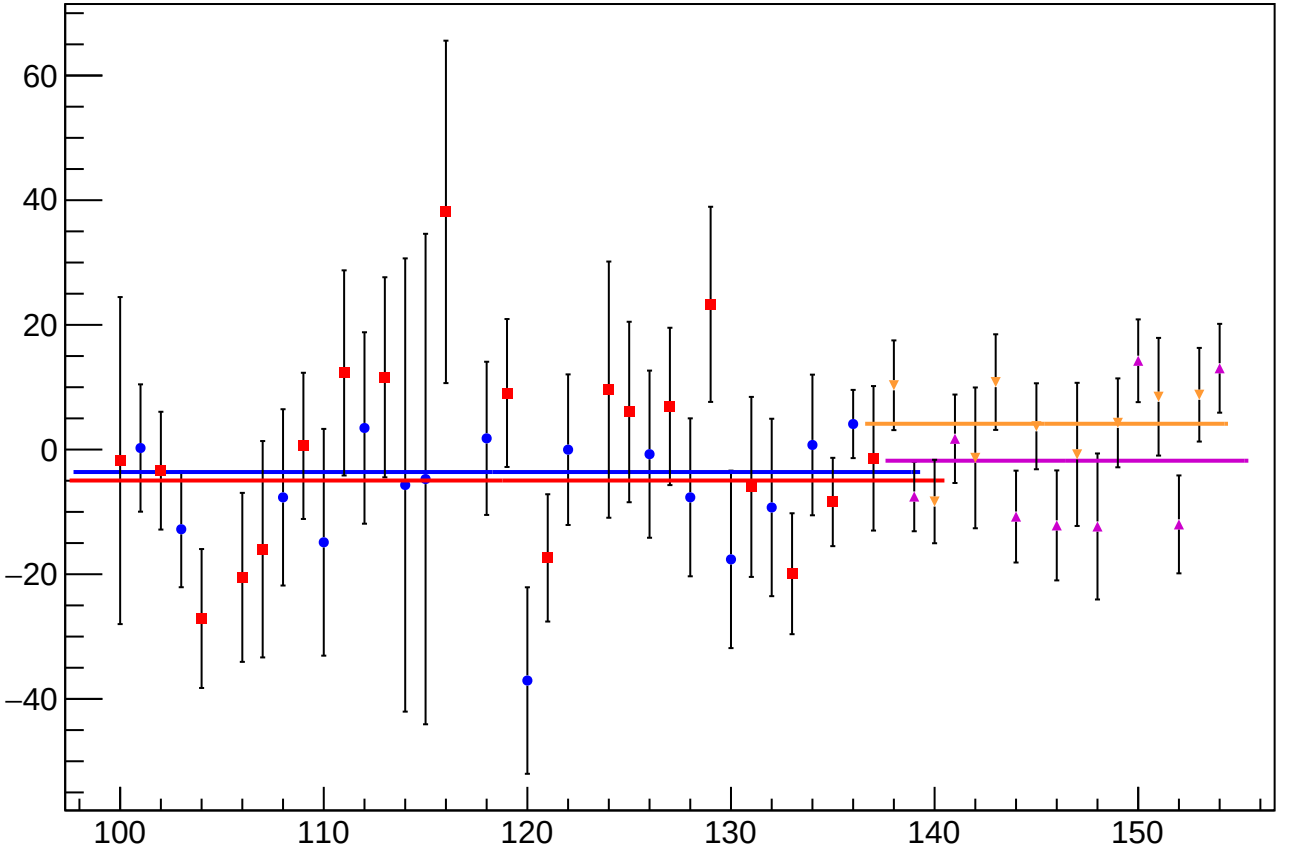
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10483.304+/-2.041 χ^2/NDF:1901839.6/23

Out: 10330.641+/-2.008 χ^2/NDF:2325431.7/27

All: 10405.695+/-1.431 χ^2/NDF: 4230114.3/5

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: -1.790+/-2.588 χ^2/NDF:16.8/7

Left: 1.117+/-1.848 χ^2/NDF: 25.4/16

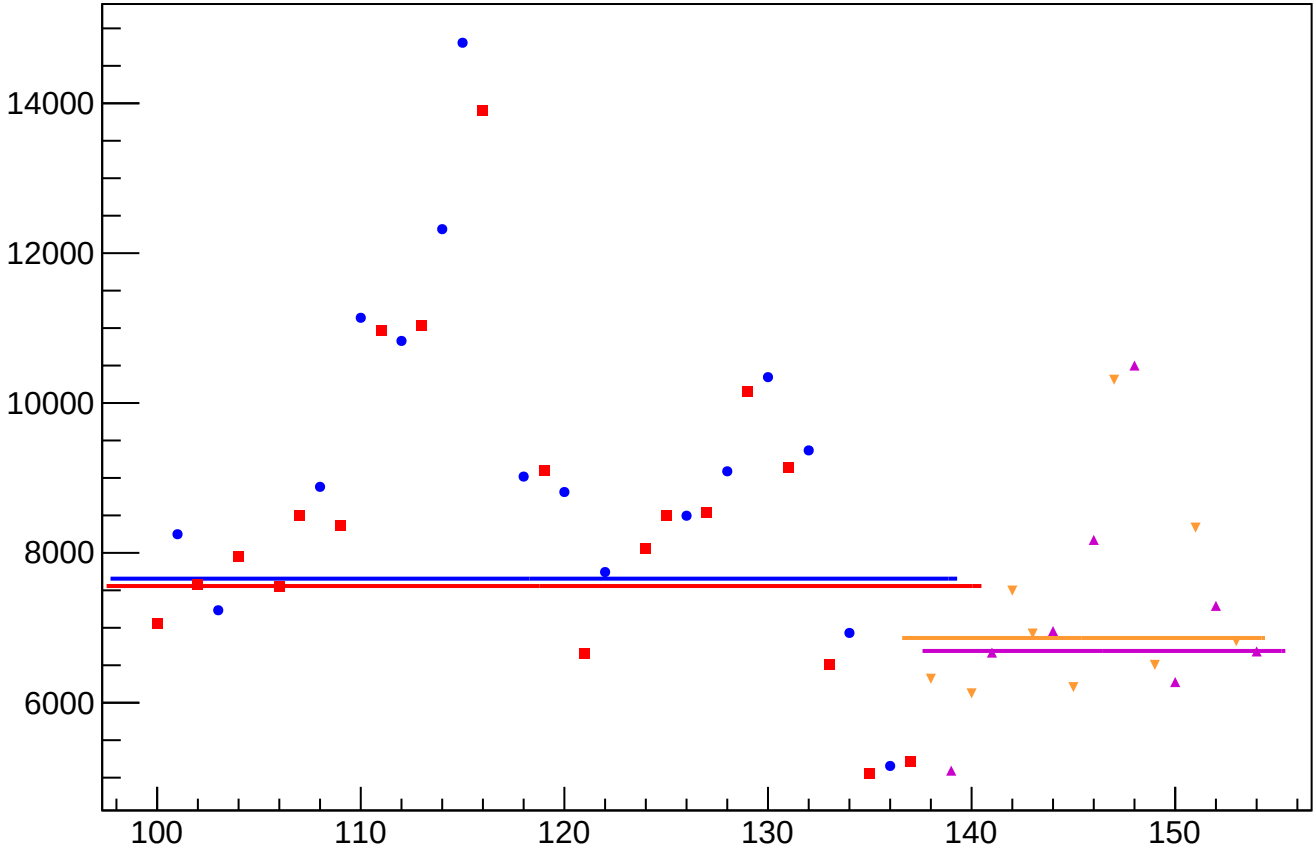
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.583+/-1.943 χ^2/NDF:27.5/23

Out: -0.055+/-1.938 χ^2/NDF:32.8/27

All: -1.315+/-1.372 χ^2/NDF: 61.2/51

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: 6691.069+/-1.830 χ^2/NDF:454710.9/7

Left: 6775.960+/-1.306 χ^2/NDF: 753474.0/16

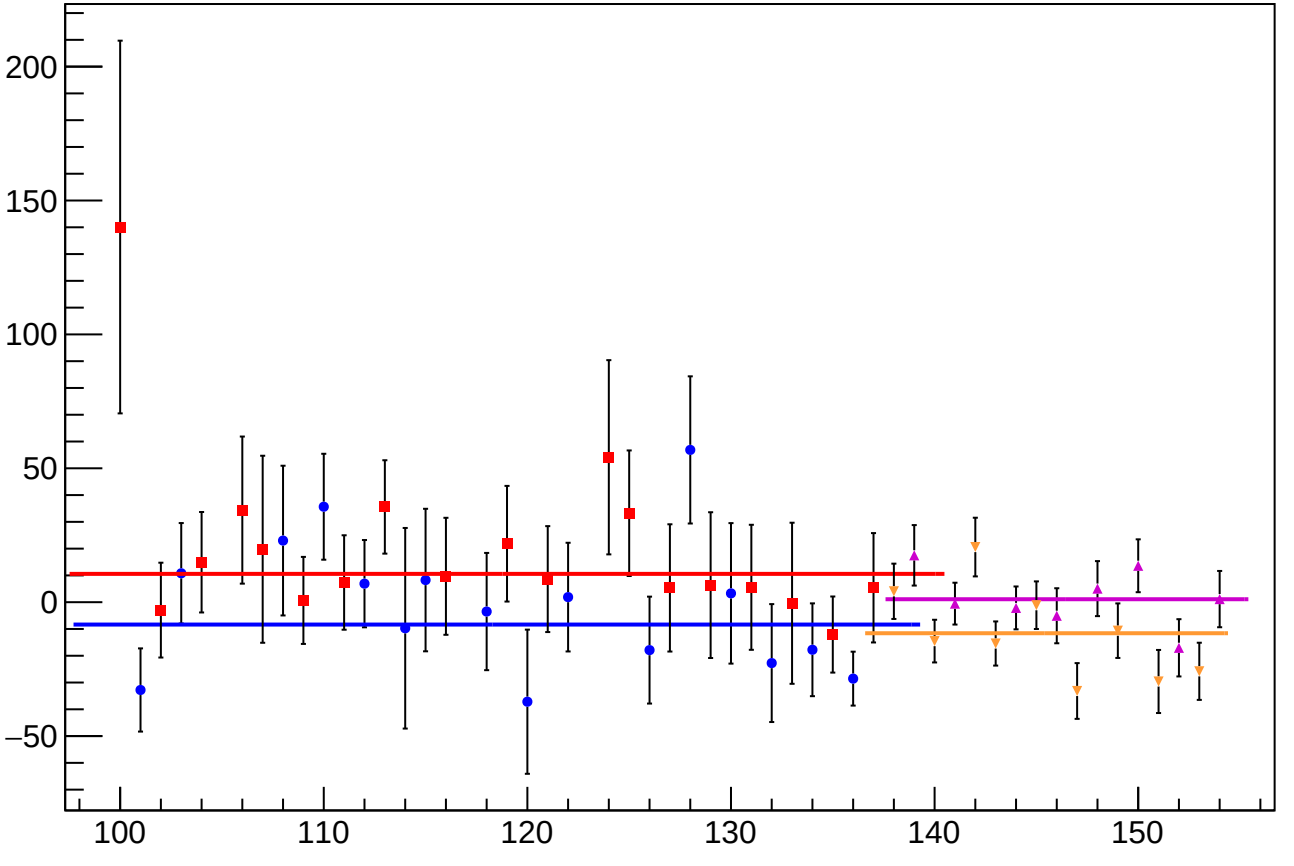
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7112.330+/-1.374 χ^2/NDF:1455818.6/23

Out: 7183.427+/-1.370 χ^2/NDF:1167856.9/27

All: 7147.970+/-0.970 χ^2/NDF: 2625018.3/51

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: 1.105+/-3.393 χ^2/NDF:7.3/7

Left: -5.549+/-2.341 χ^2/NDF: 35.7/16

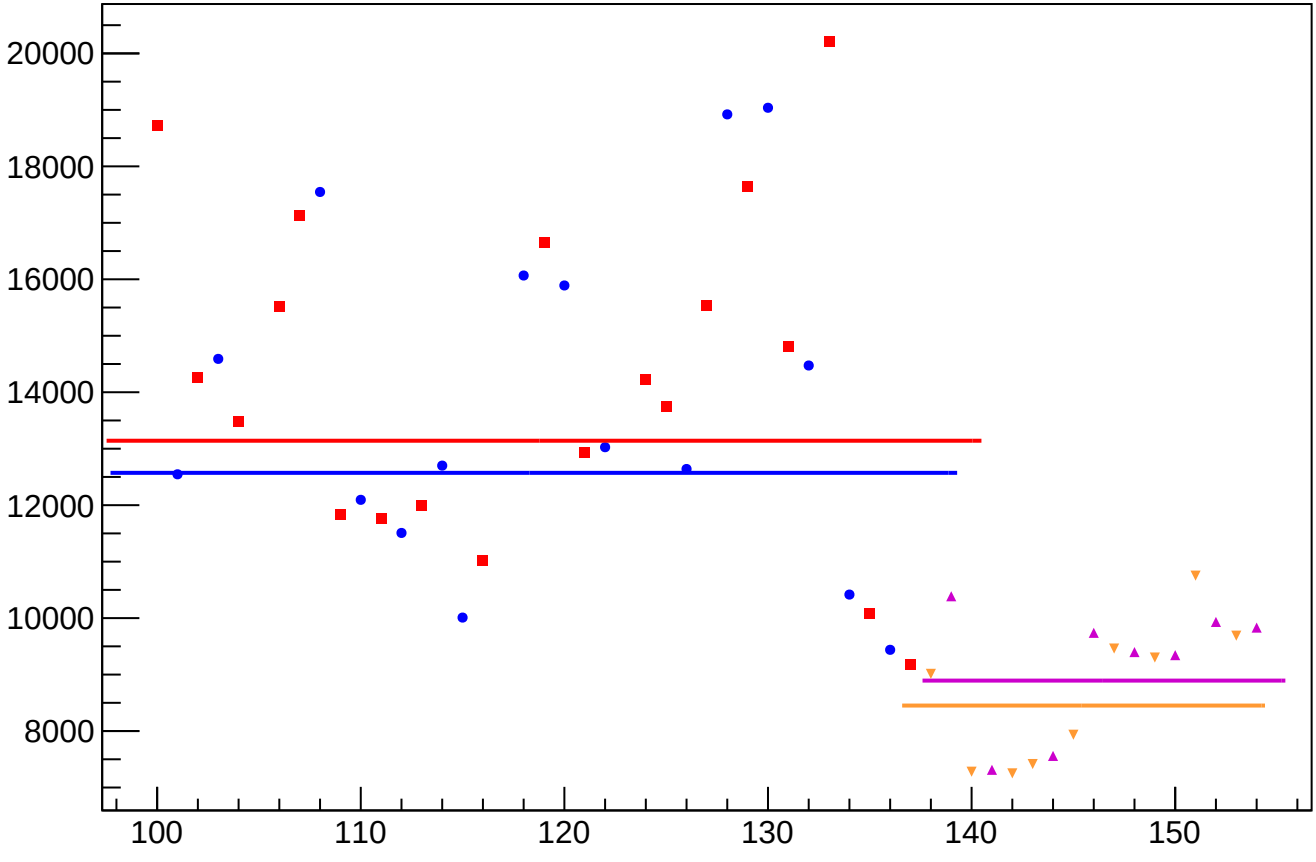
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -2.033+/-2.773 χ^2/NDF:33.1/23

Out: -4.890+/-2.700 χ^2/NDF:48.2/27

All: -3.500+/-1.935 χ^2/NDF: 81.9/51

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: 8893.508+/-2.399 χ^2/NDF:229760.6/7

Left: 8661.881+/-1.655 χ^2/NDF: 494944.0/16

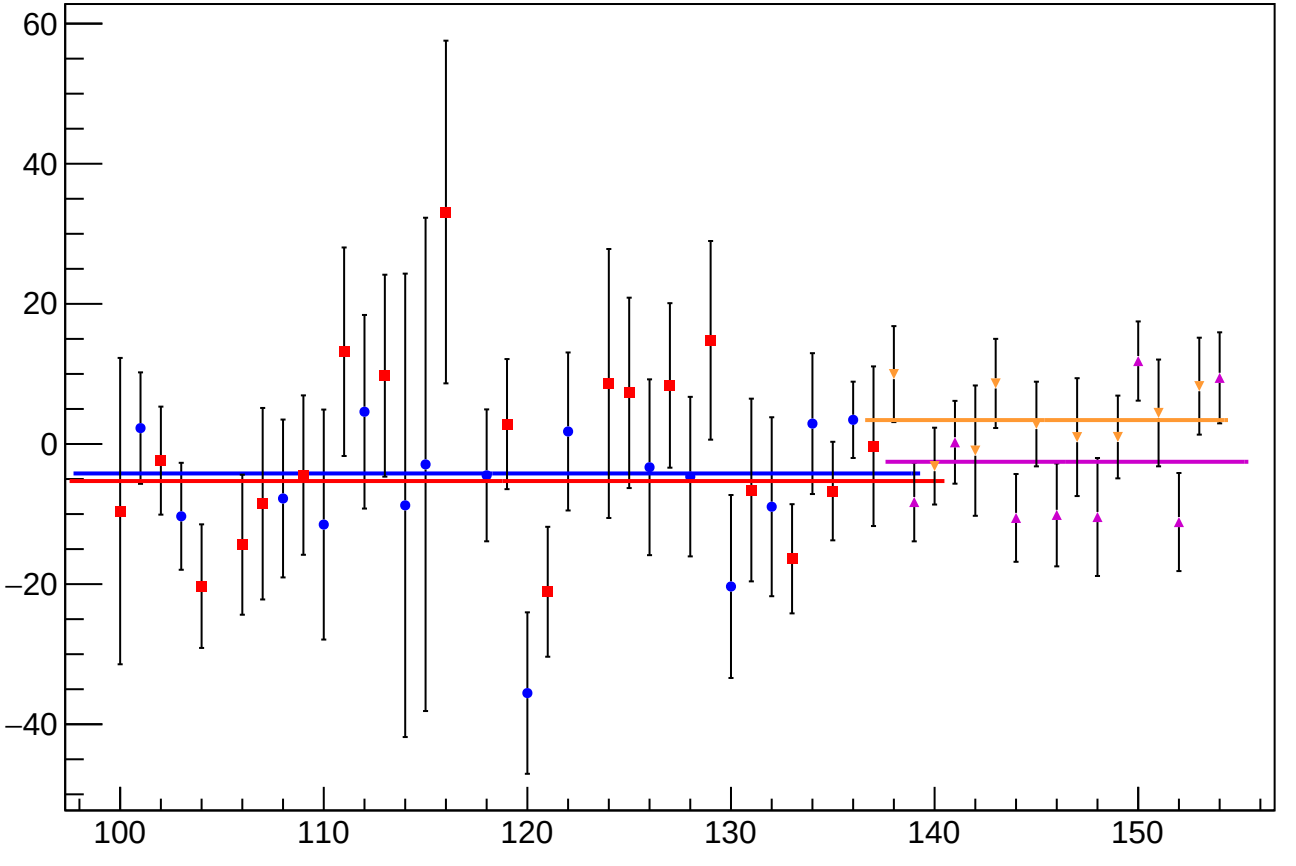
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10114.624+/-1.961 χ^2/NDF:1675296.4/23

Out: 9869.484+/-1.909 χ^2/NDF:2054535.6/27

All: 9988.787+/-1.368 χ^2/NDF: 3737853.8/51

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: -2.539+/-2.271 χ^2/NDF:16.2/7

Left: 0.477+/-1.595 χ^2/NDF: 23.7/16

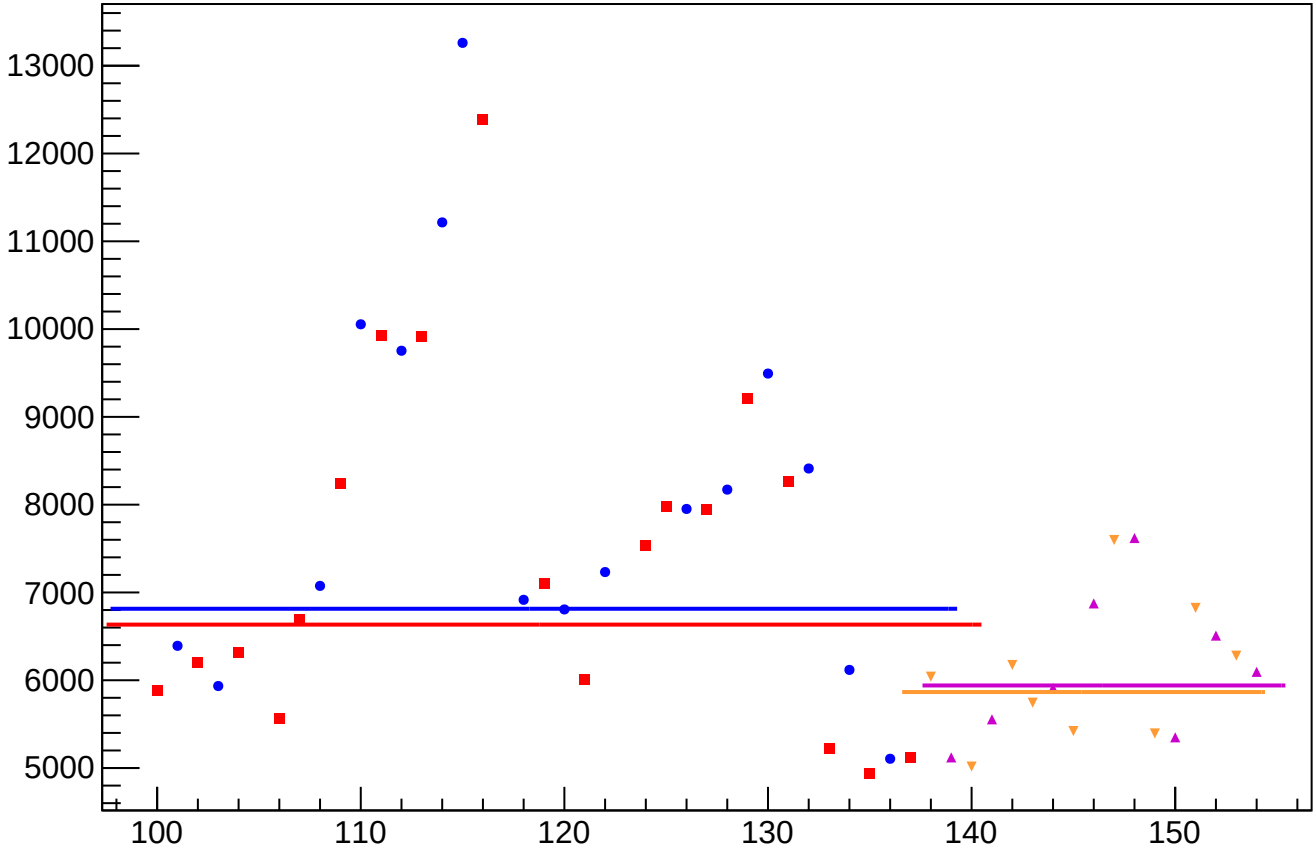
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -3.259+/-1.711 χ^2/NDF:30.3/23

Out: -0.460+/-1.669 χ^2/NDF:30.5/27

All: -1.825+/-1.195 χ^2/NDF: 62.1/51

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: 5940.634+/-1.606 χ^2/NDF:199284.2/7

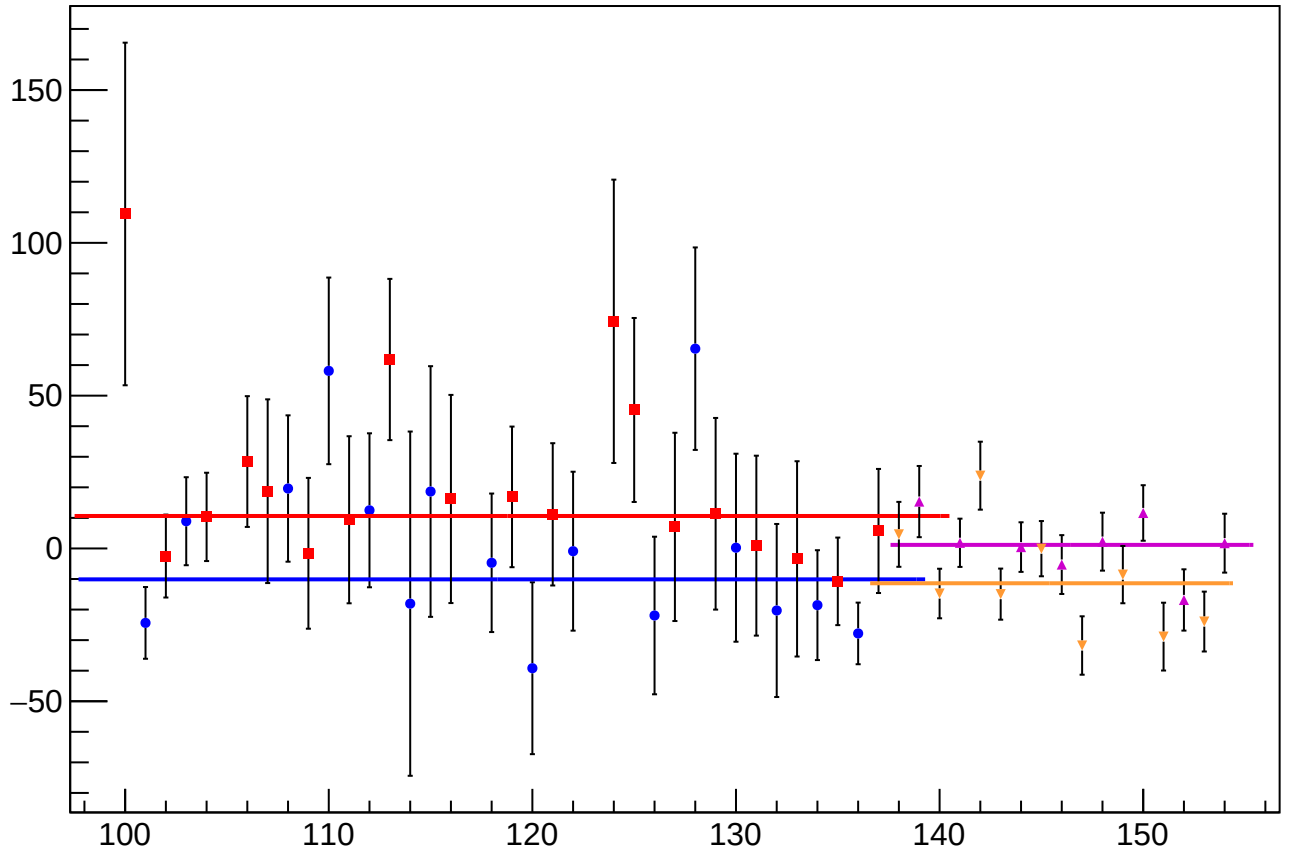
Left: 5902.673+/-1.128 χ^2/NDF: 399745.3/16

Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6318.670+/-1.210 χ^2/NDF:1001446.6/23

Out: 6207.534+/-1.180 χ^2/NDF:1067268.0/27

All: 6261.744+/-0.845 χ^2/NDF: 2073039.2/51



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: 1.169+/-3.273 χ^2/NDF:6.5/7

Left: -5.314+/-2.277 χ^2/NDF: 37.1/16

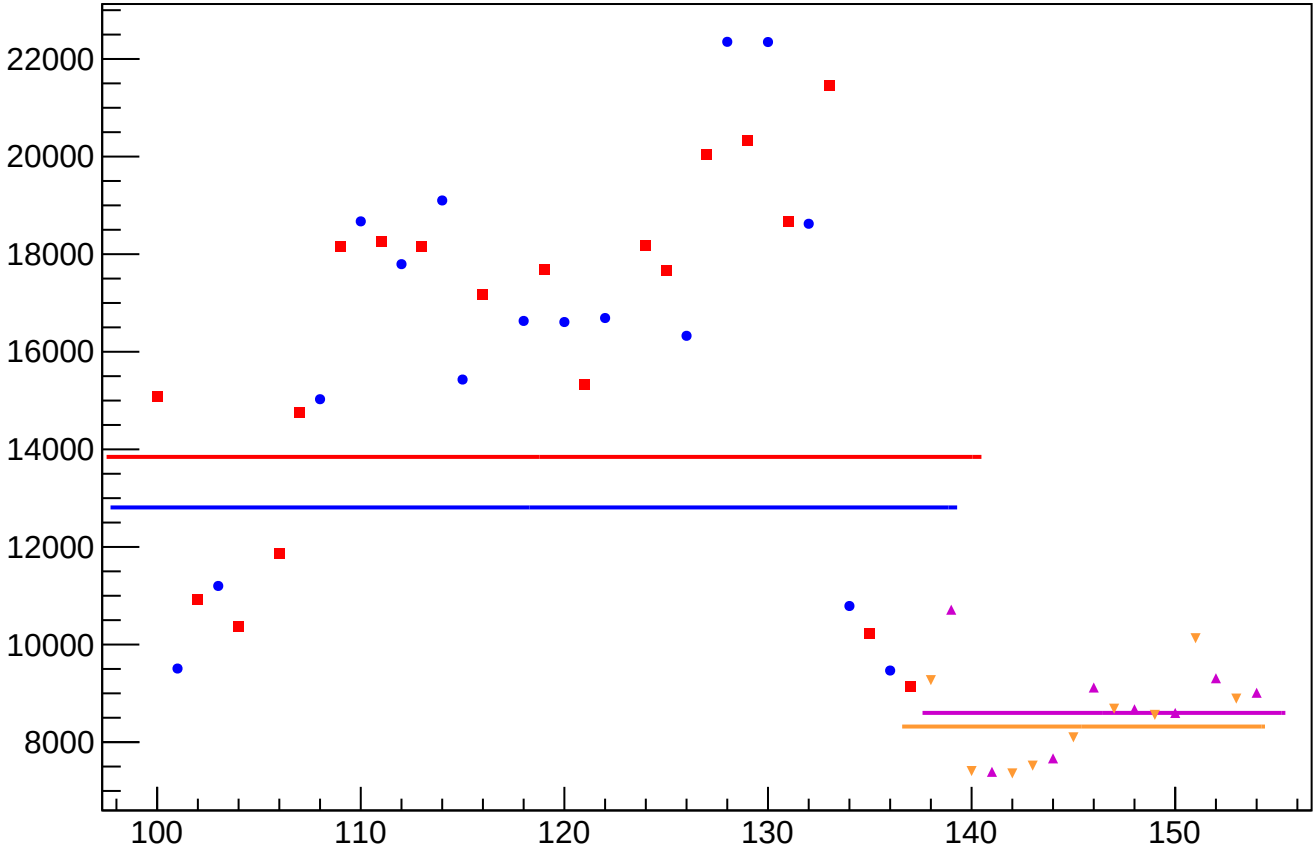
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -2.199+/-2.741 χ^2/NDF:31.3/23

Out: -5.556+/-2.717 χ^2/NDF:50.5/27

All: -3.893+/-1.930 χ^2/NDF: 82.6/51

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8319.671+/-2.241 χ^2/NDF:140097.9/8

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8599.508+/-2.314 χ^2/NDF:158741.8/7

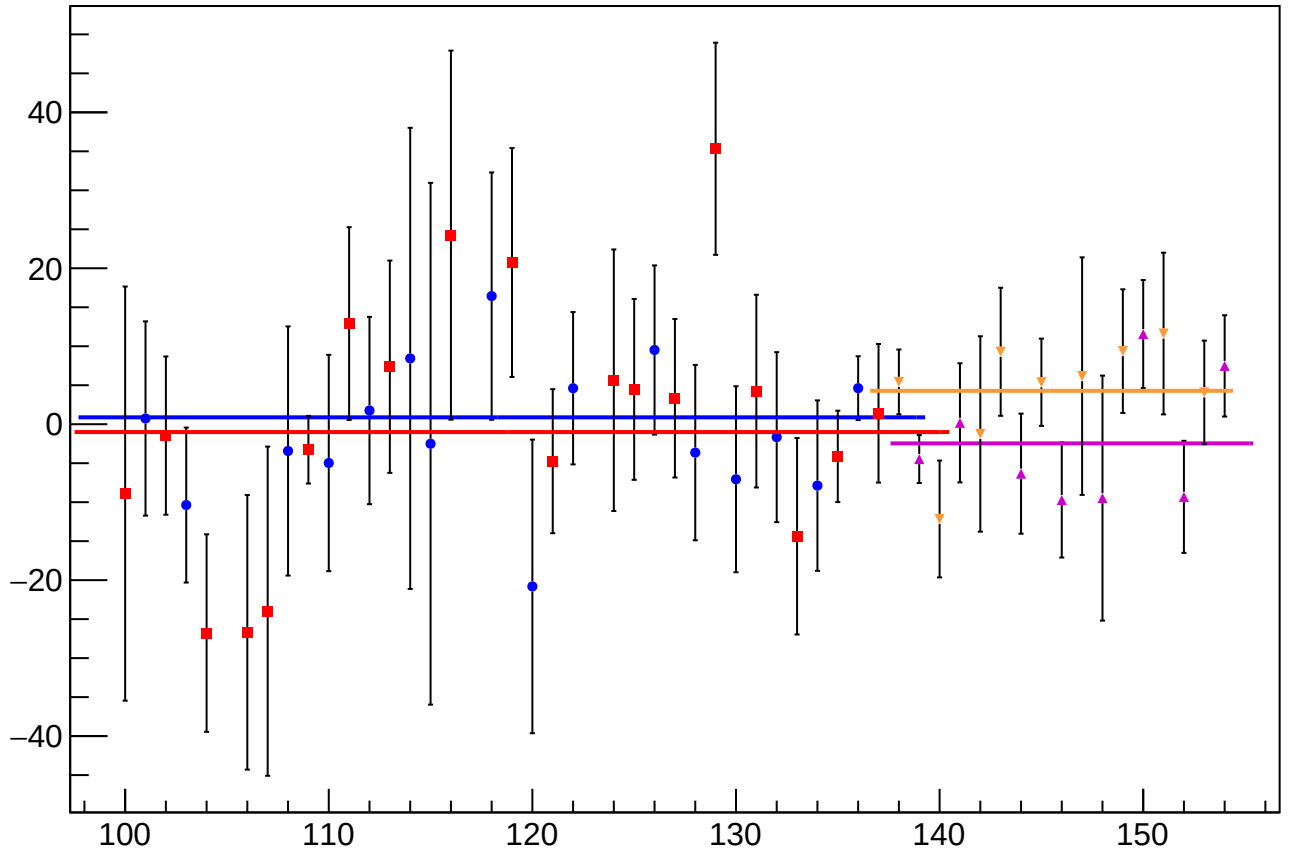
Left: 8455.054+/-1.610 χ^2/NDF: 306386.0/16

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9856.508+/-1.938 χ^2/NDF:2395005.3/23

Out: 9784.264+/-1.921 χ^2/NDF:2848736.4/27

All: 9820.057+/-1.364 χ^2/NDF: 5244442.5/51



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: -2.458+/-2.102 χ^2/NDF:9.3/7

Left: 0.539+/-1.567 χ^2/NDF: 20.3/16

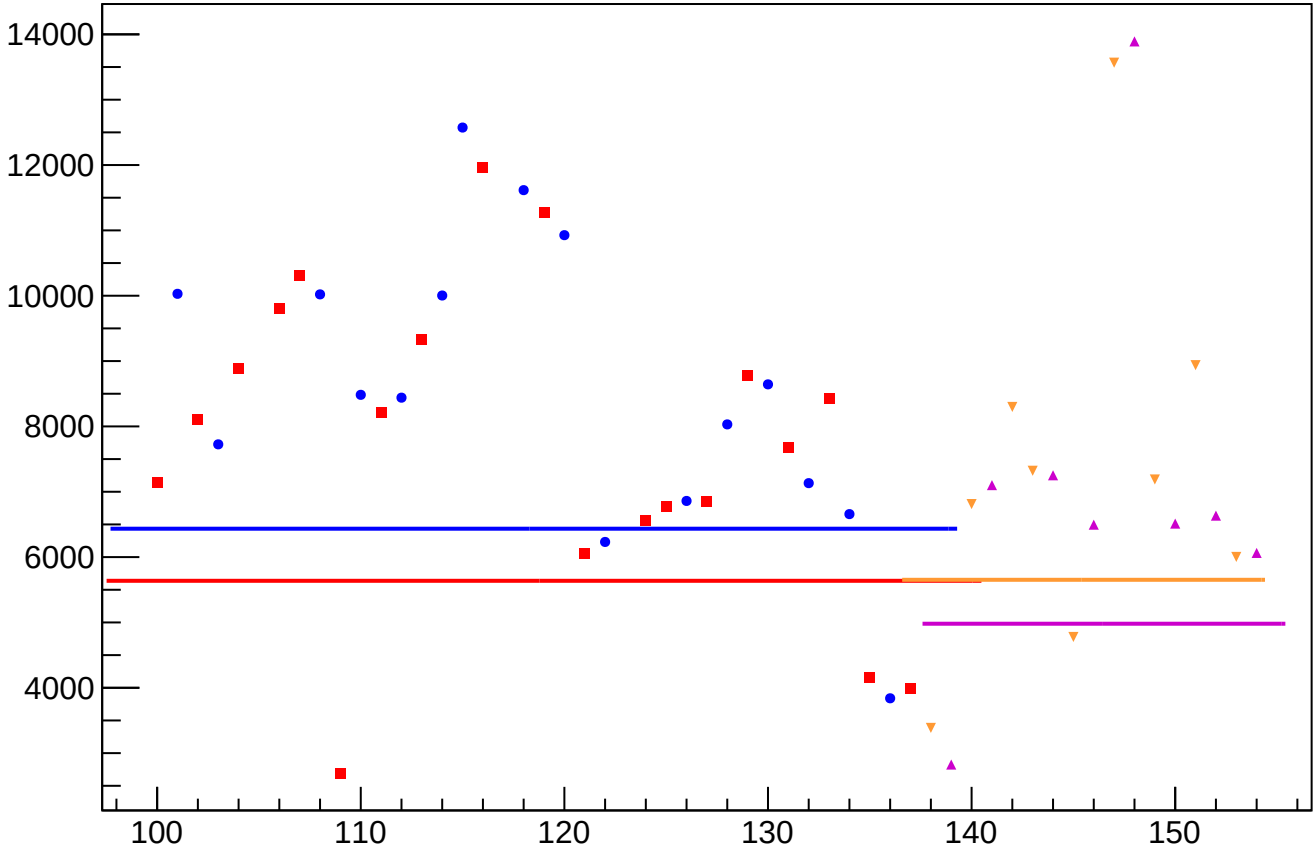
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.117+/-1.626 χ^2/NDF:17.1/23

Out: 1.598+/-1.649 χ^2/NDF:31.3/27

All: 0.222+/-1.158 χ^2/NDF: 49.8/51

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: 4980.372+/-1.487 χ^2/NDF:2299707.8/7

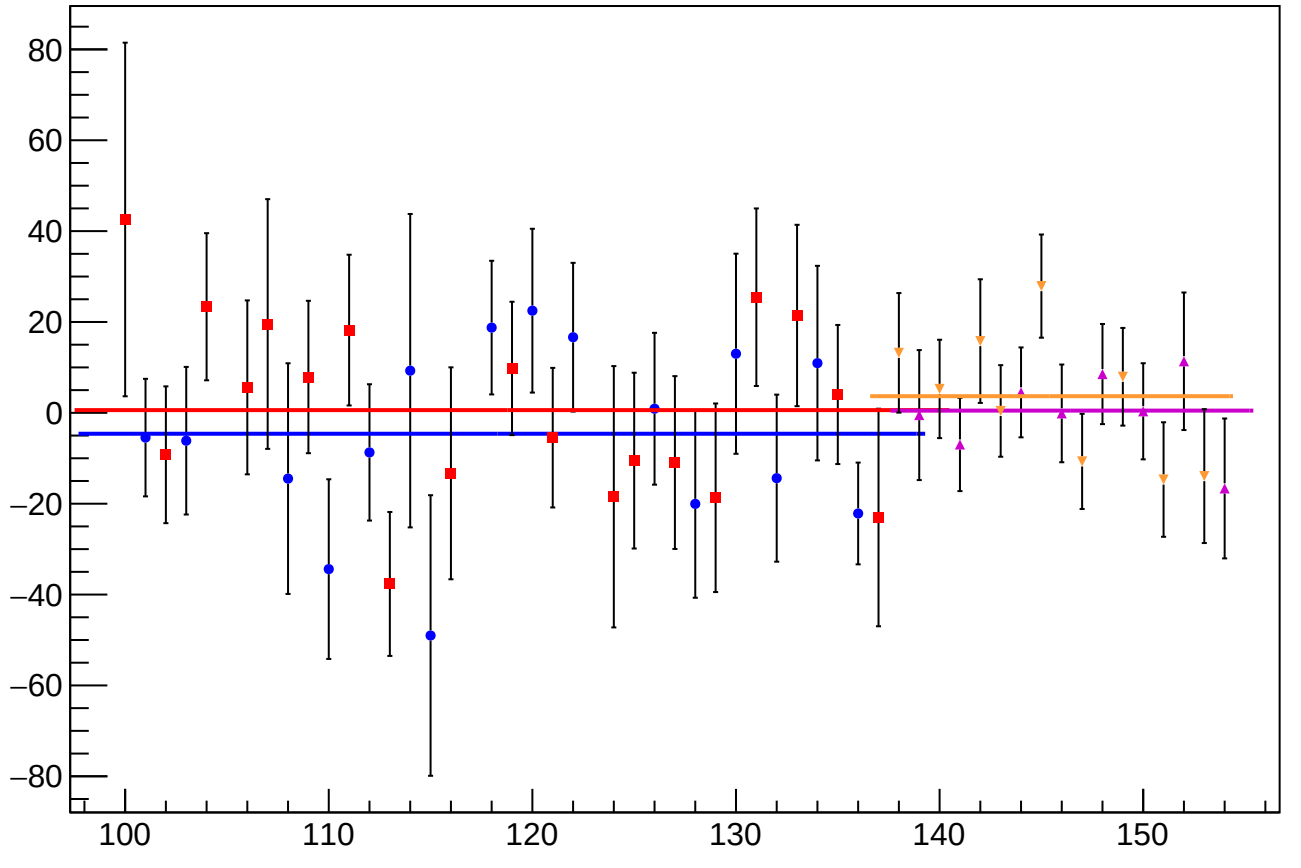
Left: 5279.203+/-1.108 χ^2/NDF: 4075085.8/16

Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

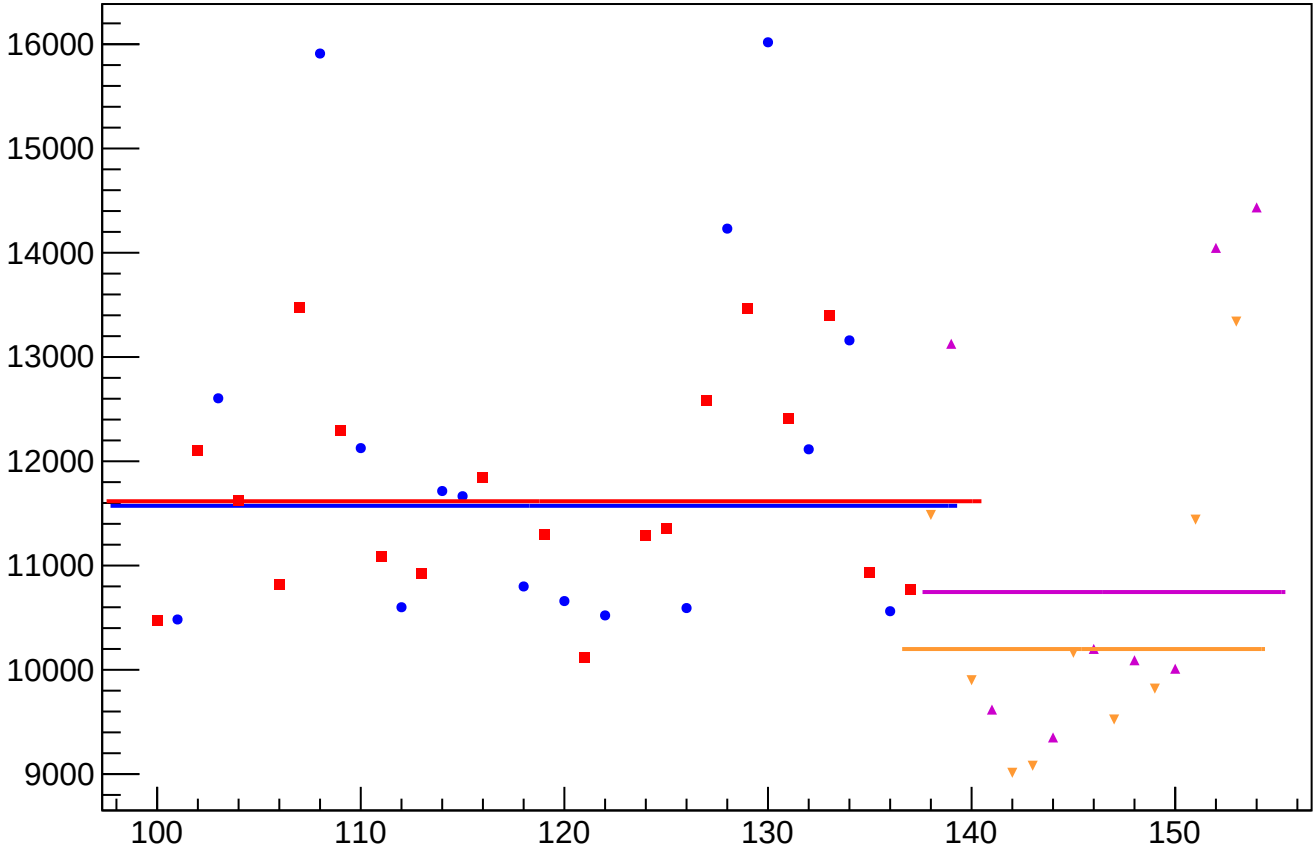
In: 5564.420+/-1.150 χ^2/NDF:4434644.5/23

Out: 5644.868+/-1.166 χ^2/NDF:4264528.2/27

All: 5604.089+/-0.819 χ^2/NDF: 8701586.1/51


diff_bpm11X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -4.602+/-4.355 χ²/NDF: 15.8/15
Left Out: 3.664+/-3.893 χ²/NDF:11.6/8
Right Out: 0.600+/-4.266 χ²/NDF: 17.9/18
Left In: 0.492+/-4.118 χ²/NDF:3.0/7
Left: 2.167+/-2.829 χ²/NDF: 14.9/16
Right: -1.948+/-3.048 χ²/NDF: 34.4/34
In: -1.912+/-2.992 χ²/NDF:19.5/23
Out: 2.272+/-2.876 χ²/NDF:29.8/27
All: 0.262+/-2.073 χ²/NDF: 50.3/51

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: 10745.888+/-2.912 χ^2/NDF:351025.3/7

Left: 10457.298+/-2.000 χ^2/NDF: 551222.9/16

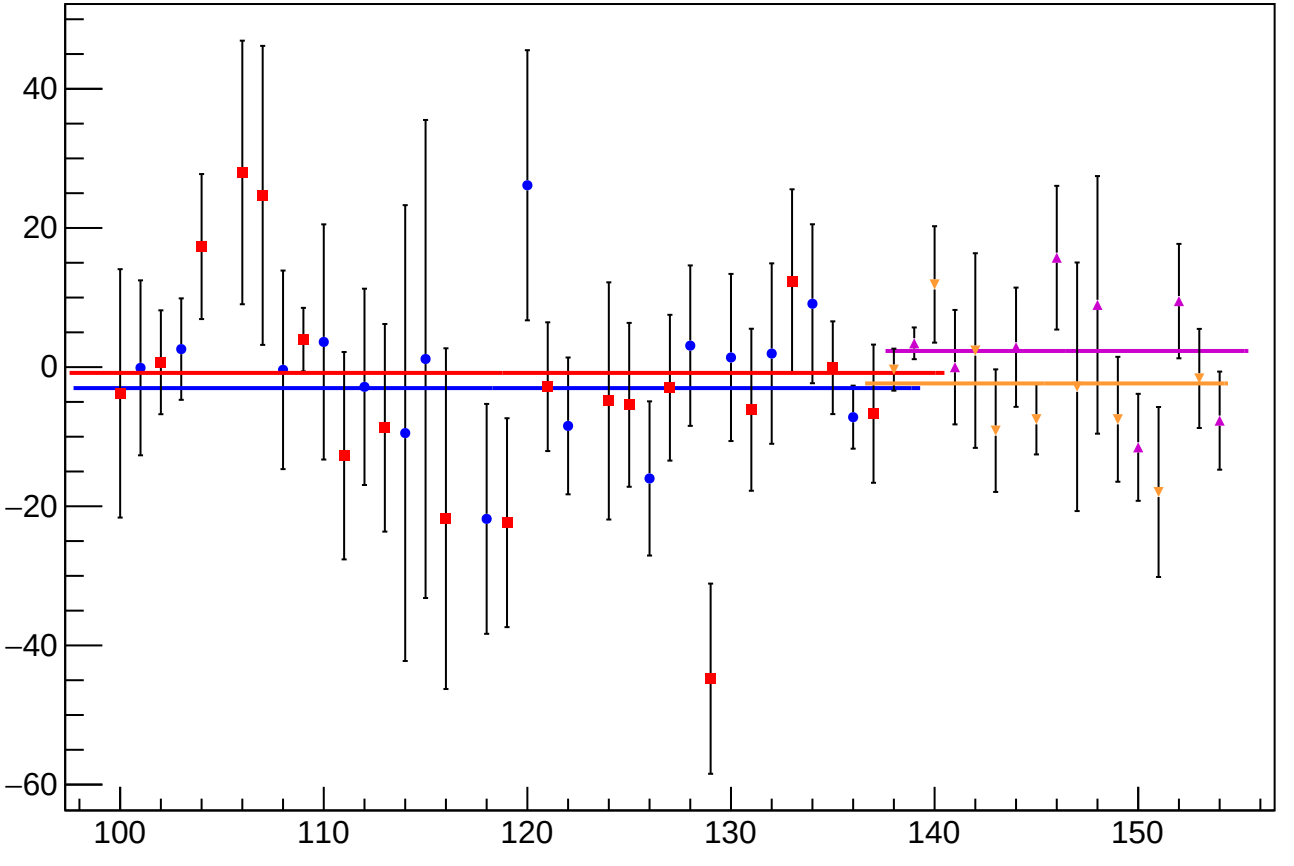
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11136.341+/-2.116 χ^2/NDF:649192.7/23

Out: 10843.348+/-2.034 χ^2/NDF:395210.8/27

All: 10984.058+/-1.466 χ^2/NDF: 1054372.5/5

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: 2.322+/-1.874 χ^2/NDF:8.2/7

Left: 0.272+/-1.403 χ^2/NDF: 17.9/16

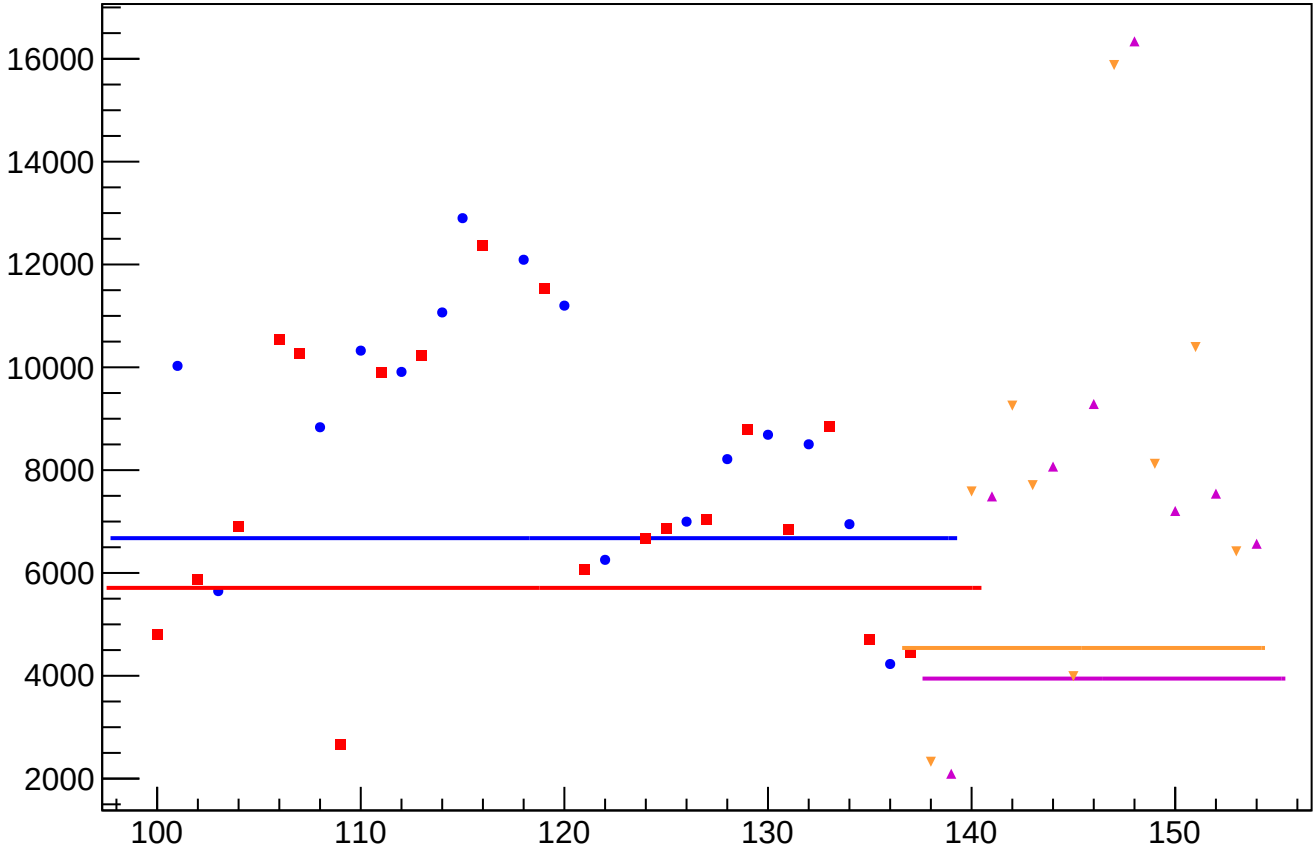
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.547+/-1.531 χ^2/NDF:19.5/23

Out: -1.667+/-1.573 χ^2/NDF:31.1/27

All: -0.529+/-1.097 χ^2/NDF: 51.6/51

diff_bpm11Y_rms vs Slug, Sign Corrected



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: 3945.697+/-1.325 χ^2/NDF:4602414.1/7

Left: 4207.369+/-0.992 χ^2/NDF: 8263564.8/16

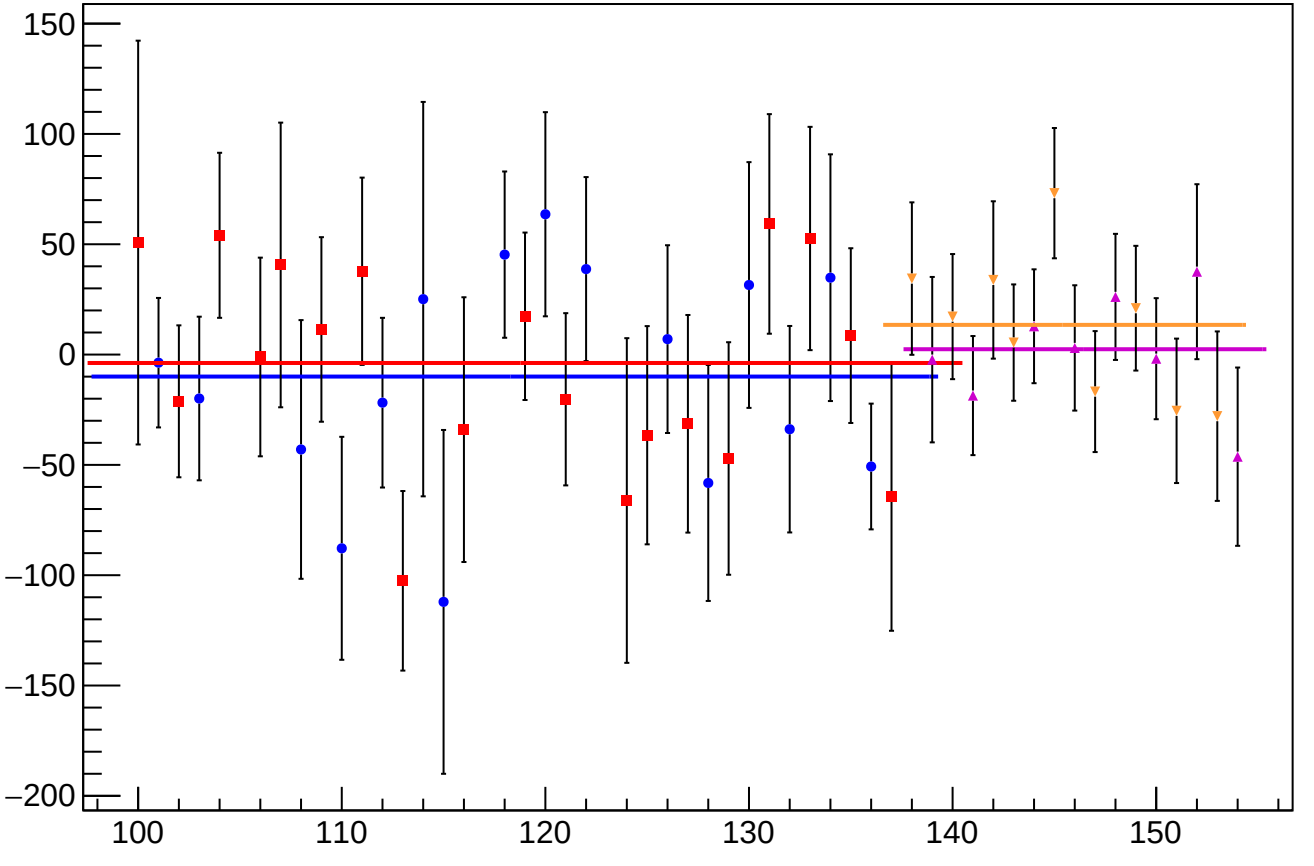
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4854.122+/-1.082 χ^2/NDF:7588905.8/23

Out: 5064.249+/-1.112 χ^2/NDF:6146214.6/27

All: 4956.303+/-0.776 χ^2/NDF: 13753450.4/5

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: 2.422+/-10.766 χ^2/NDF:3.7/7

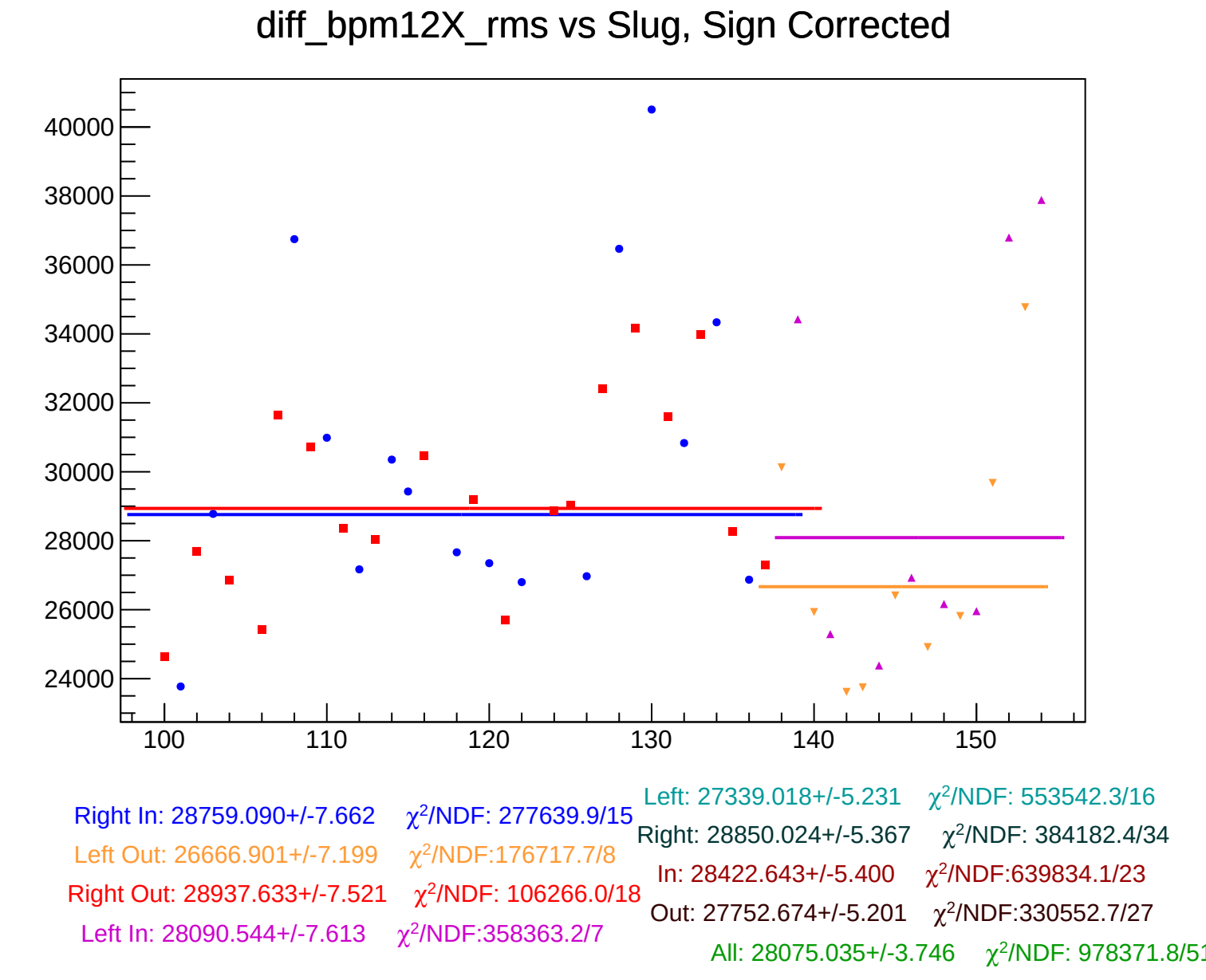
Left: 8.248+/-7.397 χ^2/NDF: 13.0/16

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

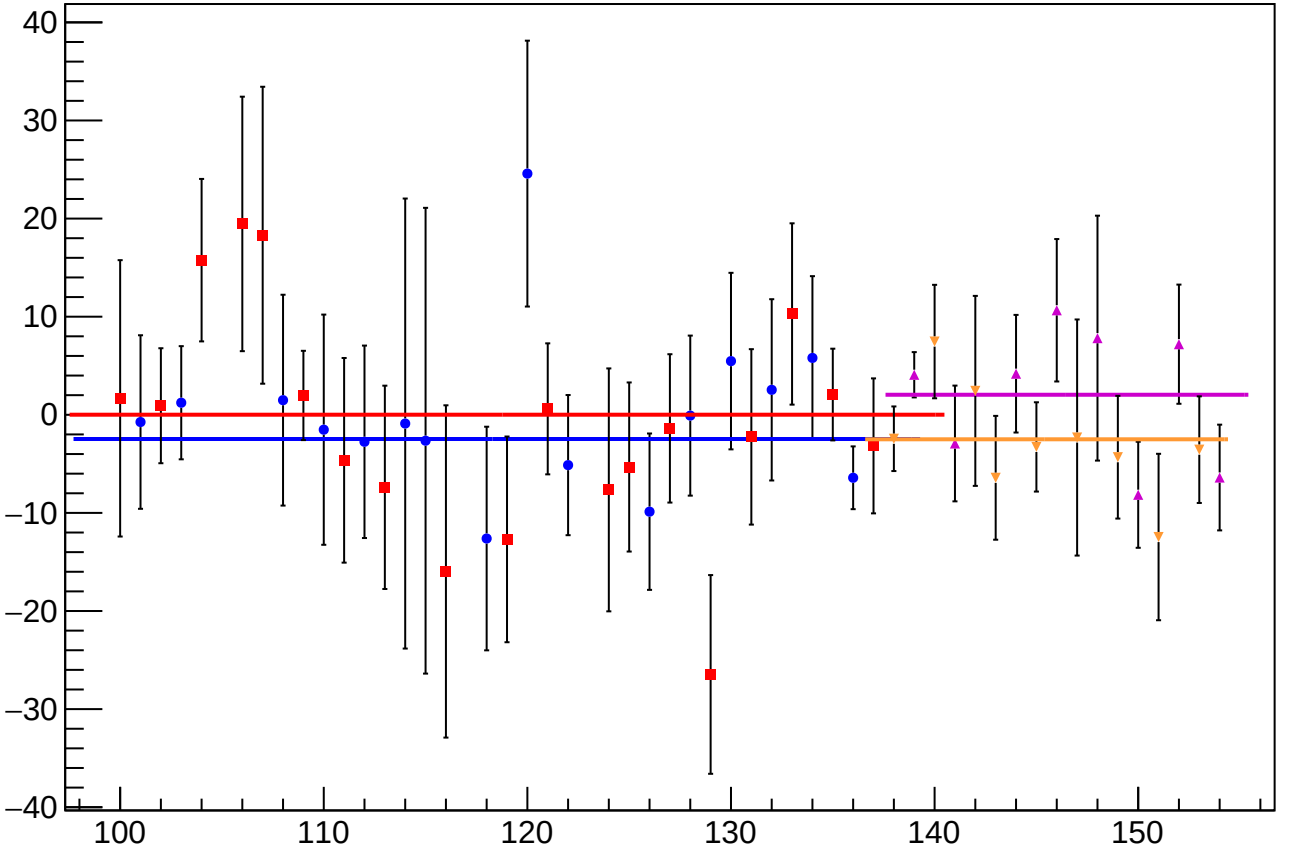
In: -3.733+/-7.637 χ^2/NDF:19.7/23

Out: 5.199+/-7.355 χ^2/NDF:27.4/27

All: 0.901+/-5.298 χ^2/NDF: 47.8/51


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: 28090.544+/-7.613 χ²/NDF:358363.2/7
Left: 27339.018+/-5.231 χ²/NDF: 553542.3/16
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28422.643+/-5.400 χ²/NDF:639834.1/23
Out: 27752.674+/-5.201 χ²/NDF:330552.7/27
All: 28075.035+/-3.746 χ²/NDF: 978371.8/51

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: 2.042+/-1.654 χ^2/NDF:10.0/7

Left: 0.047+/-1.239 χ^2/NDF: 18.4/16

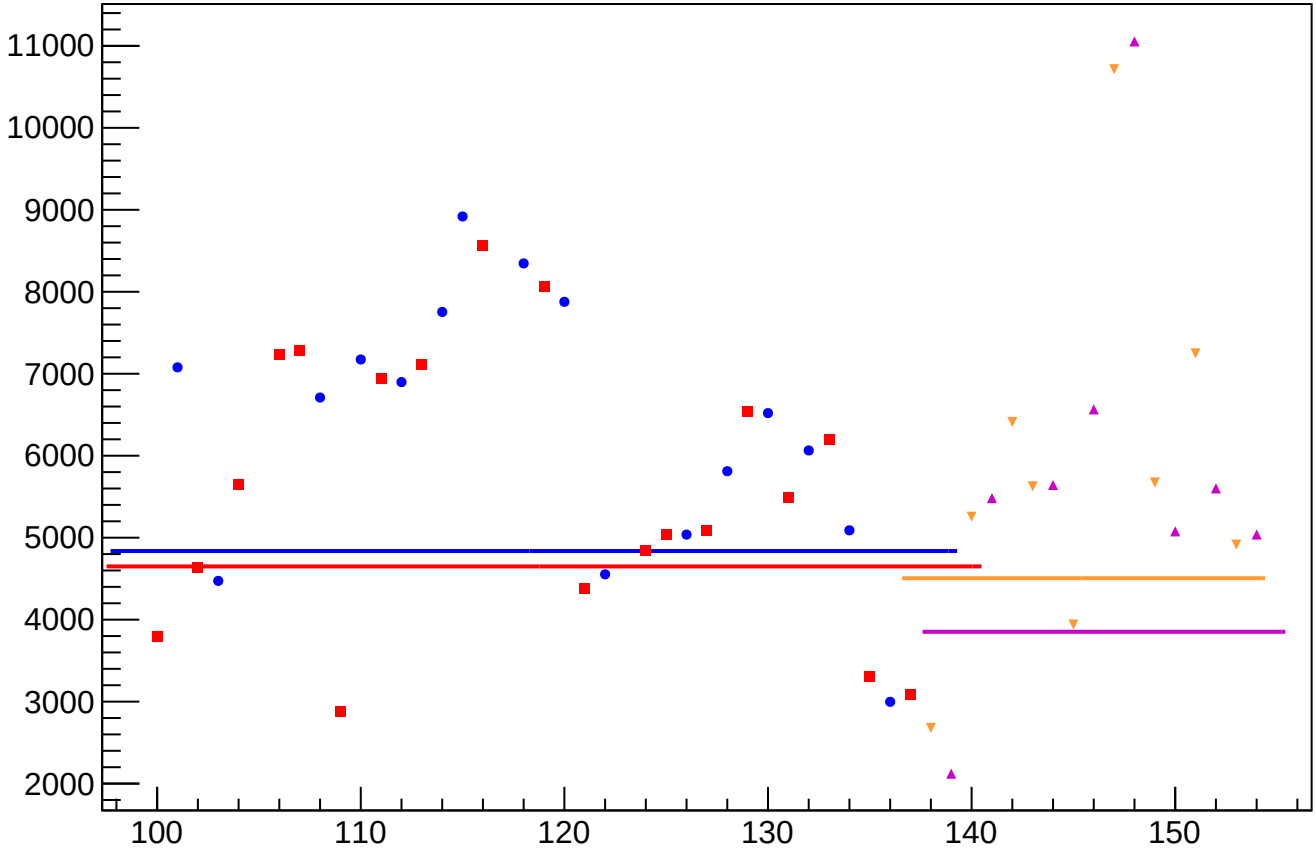
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.116+/-1.252 χ^2/NDF:23.2/23

Out: -1.217+/-1.307 χ^2/NDF:26.0/27

All: -0.522+/-0.904 χ^2/NDF: 49.8/51

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: 3851.952+/-1.170 χ^2/NDF:2766617.8/7

Left: 4139.053+/-0.876 χ^2/NDF: 4546494.3/16

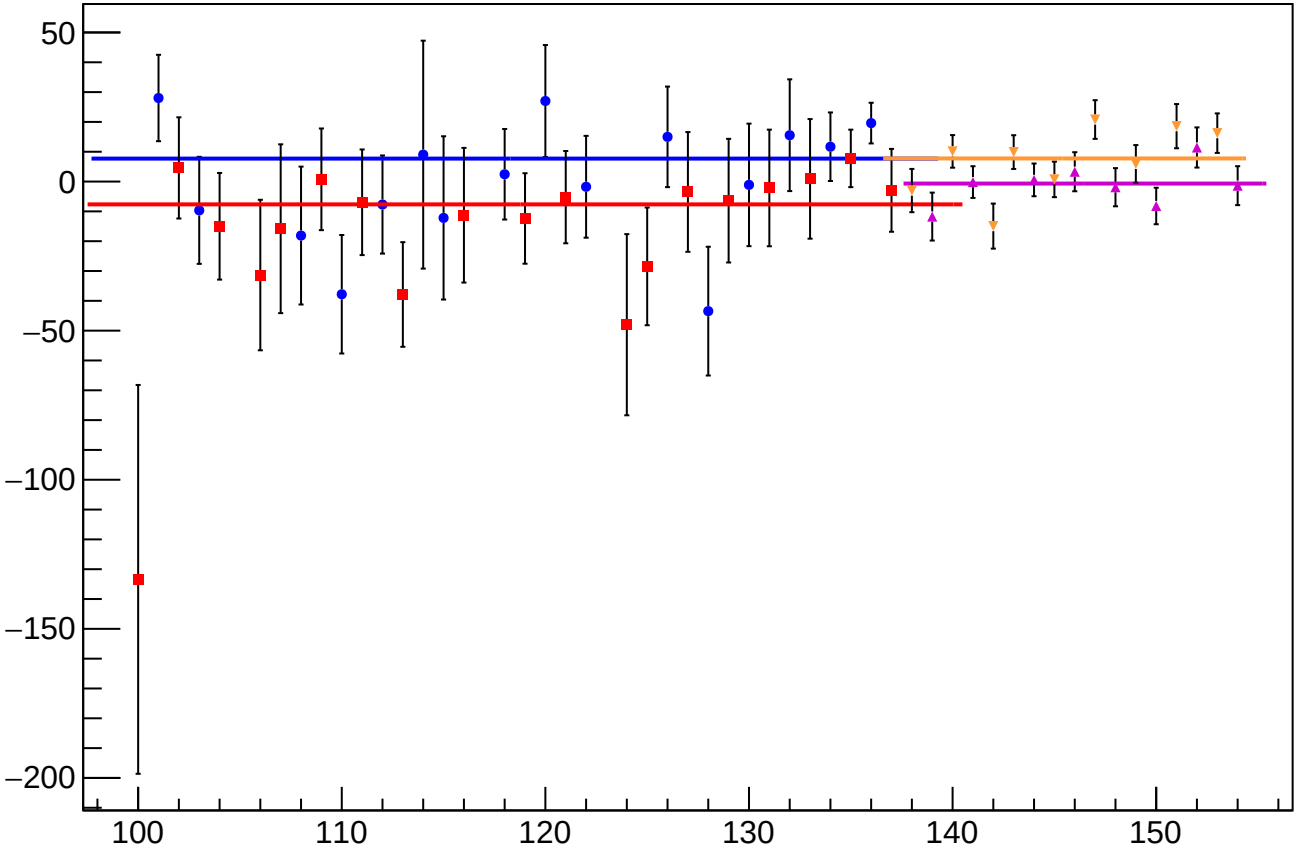
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4272.868+/-0.885 χ^2/NDF:4617393.2/23

Out: 4579.002+/-0.924 χ^2/NDF:3083480.5/27

All: 4419.405+/-0.639 χ^2/NDF: 7758101.0/51

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: -0.672+/-2.214 χ^2/NDF:7.1/7

Left: 3.691+/-1.537 χ^2/NDF: 35.5/16

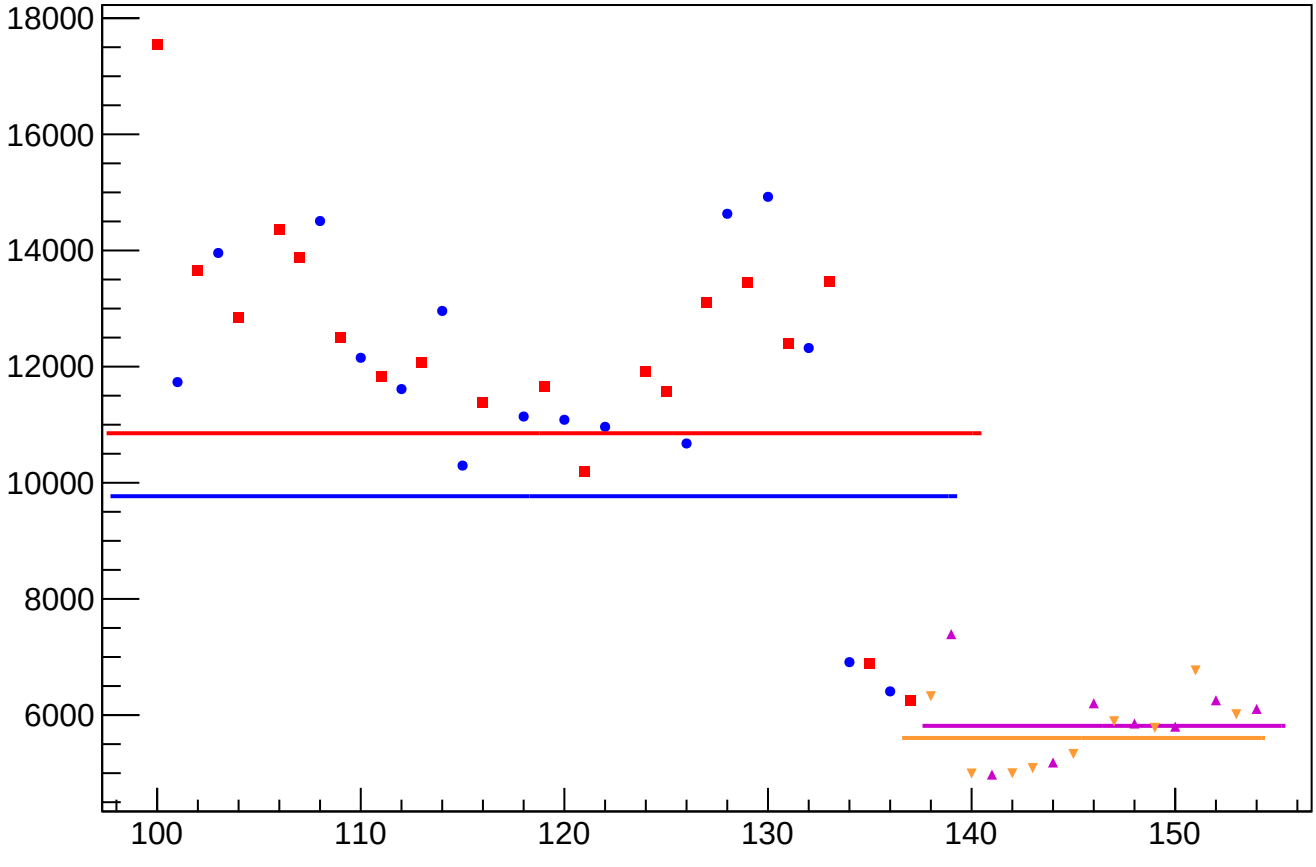
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.433+/-1.916 χ^2/NDF:32.3/23

Out: 4.463+/-1.894 χ^2/NDF:46.5/27

All: 2.965+/-1.347 χ^2/NDF: 80.1/51

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: 5814.673+/-1.566 χ^2/NDF:173168.1/7

Left: 5706.650+/-1.087 χ^2/NDF: 323417.2/16

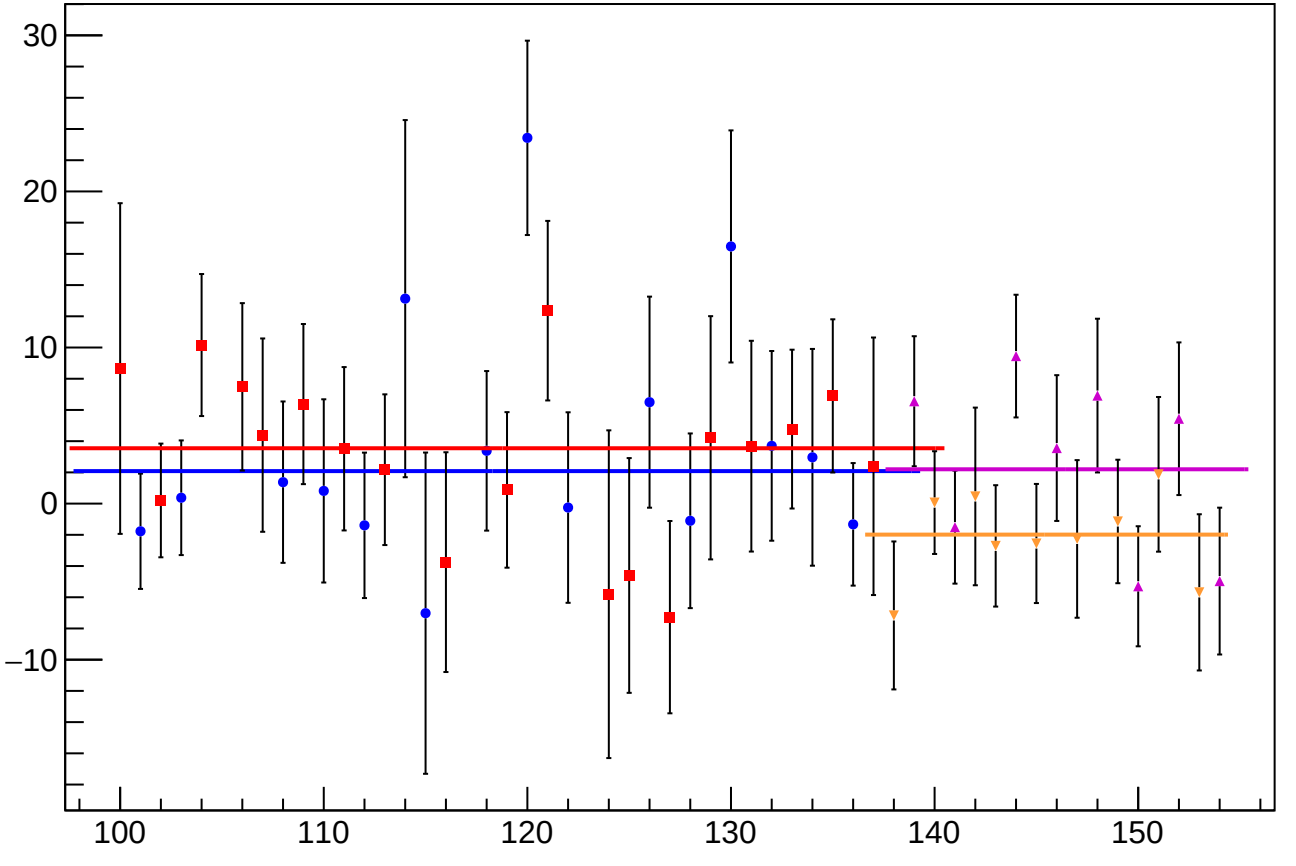
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6809.126+/-1.355 χ^2/NDF:2991004.7/23

Out: 6726.620+/-1.340 χ^2/NDF:3592451.3/27

All: 6767.413+/-0.952 χ^2/NDF: 6585331.8/51

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: 2.199+/-1.507 χ^2/NDF:13.1/7

Left: 0.002+/-1.039 χ^2/NDF: 20.2/16

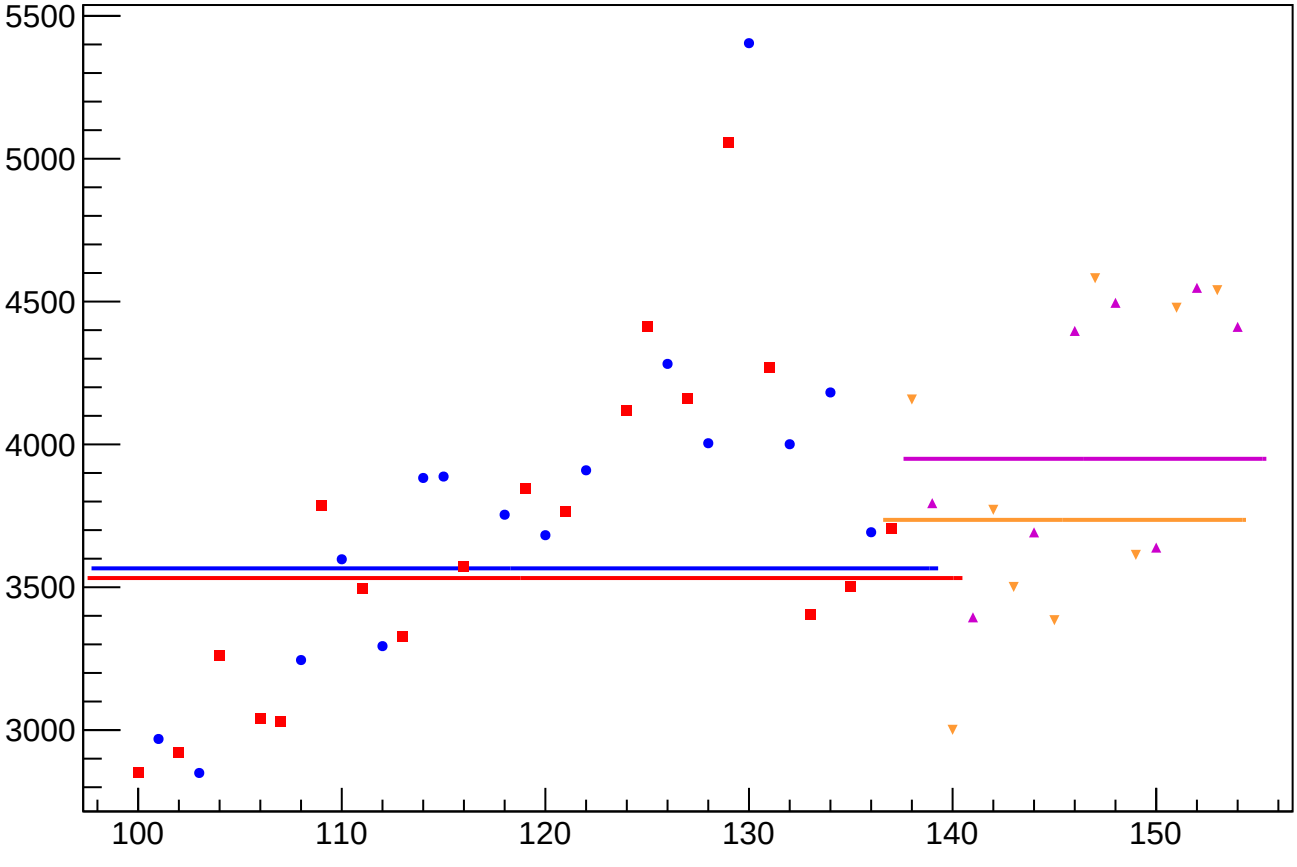
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.134+/-1.004 χ^2/NDF:34.1/23

Out: 1.042+/-0.965 χ^2/NDF:24.6/27

All: 1.566+/-0.696 χ^2/NDF: 59.3/51

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: 3949.586+/-1.066 χ^2/NDF:163637.7/7

Left: 3837.423+/-0.735 χ^2/NDF: 479179.9/16

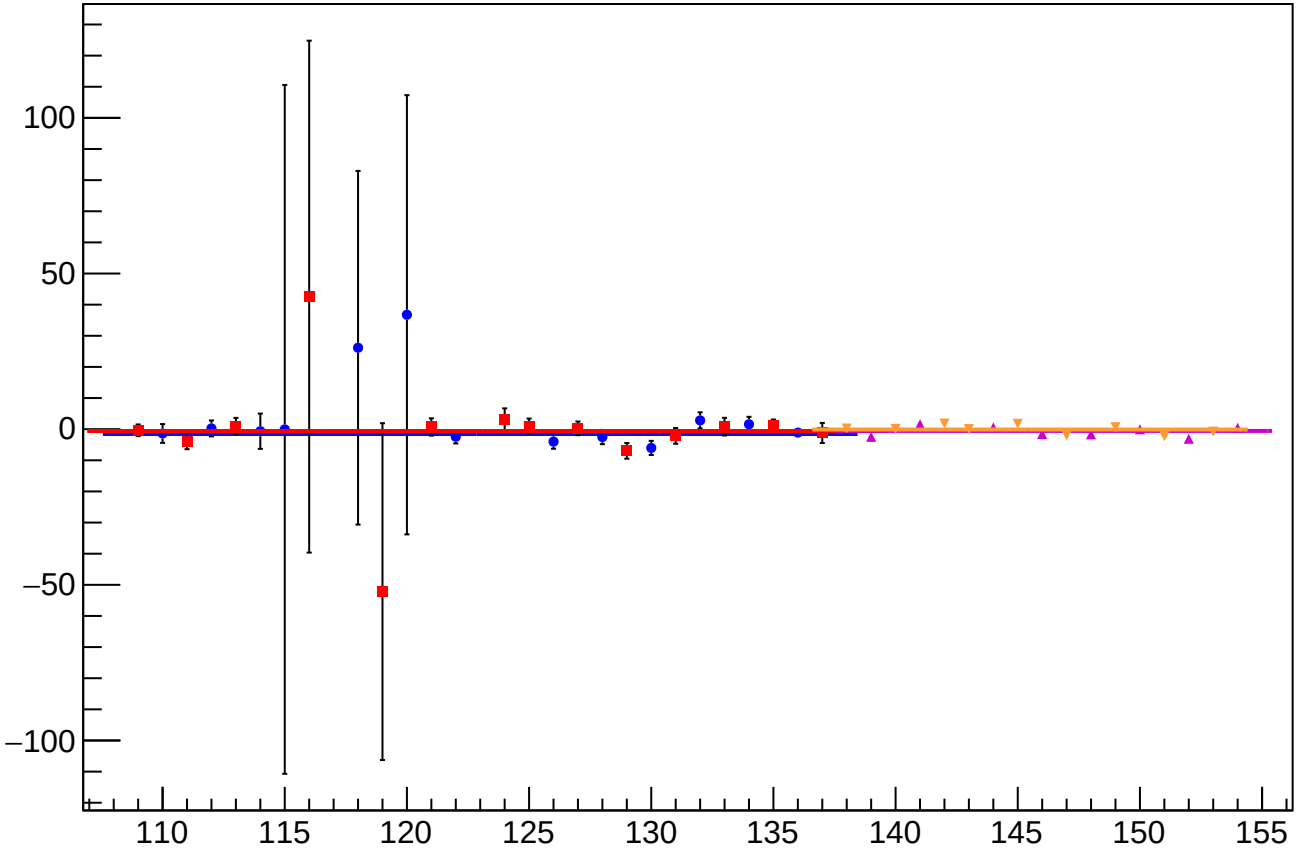
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3736.209+/-0.710 χ^2/NDF:576800.2/23

Out: 3624.396+/-0.682 χ^2/NDF:595206.1/27

All: 3678.102+/-0.492 χ^2/NDF: 1184908.4/51

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: -0.559+/-0.382 χ^2/NDF:16.6/7

Left: -0.335+/-0.270 χ^2/NDF: 28.9/16

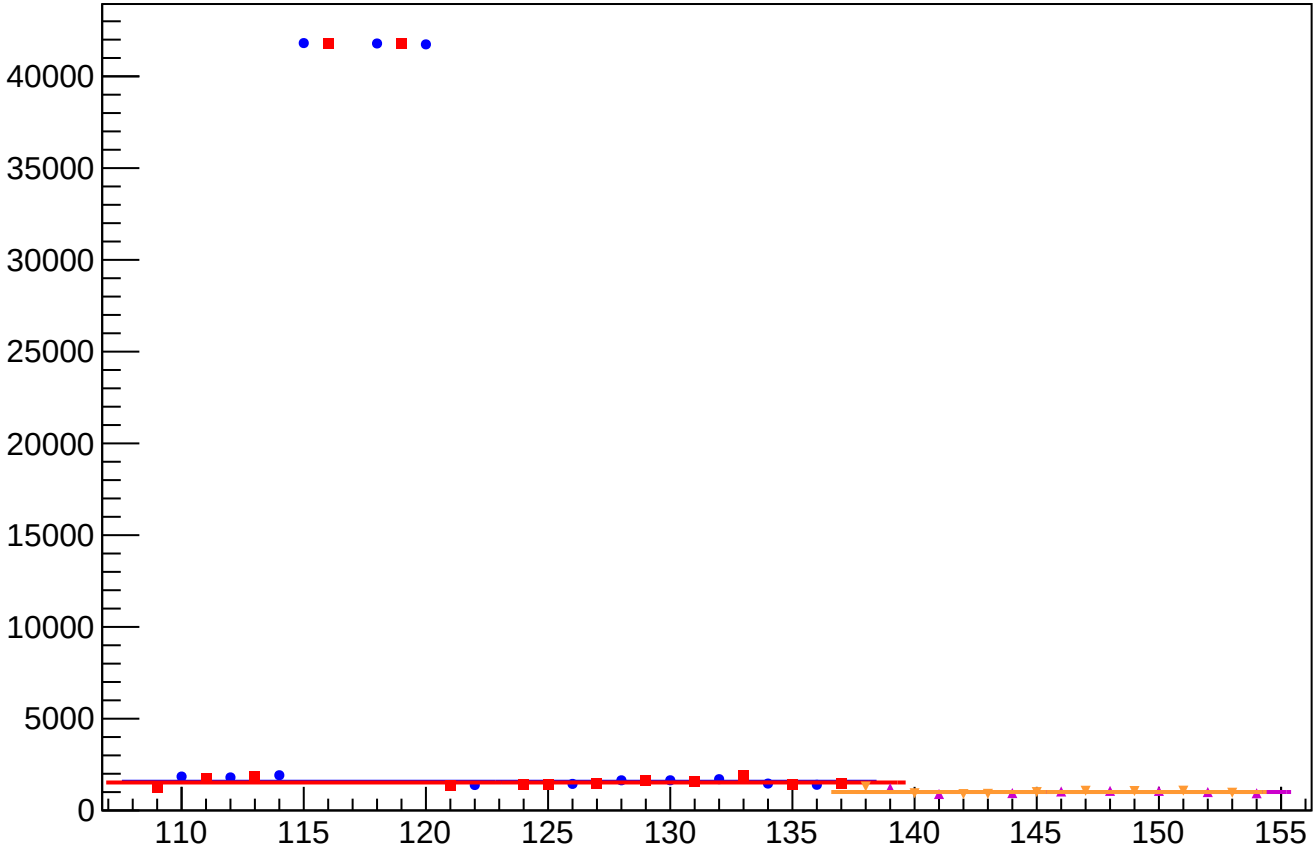
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.767+/-0.339 χ^2/NDF:29.1/20

Out: -0.217+/-0.337 χ^2/NDF:24.6/22

All: -0.491+/-0.239 χ^2/NDF: 55.0/43

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: 1004.934+/-0.270 χ^2/NDF:103927.9/7

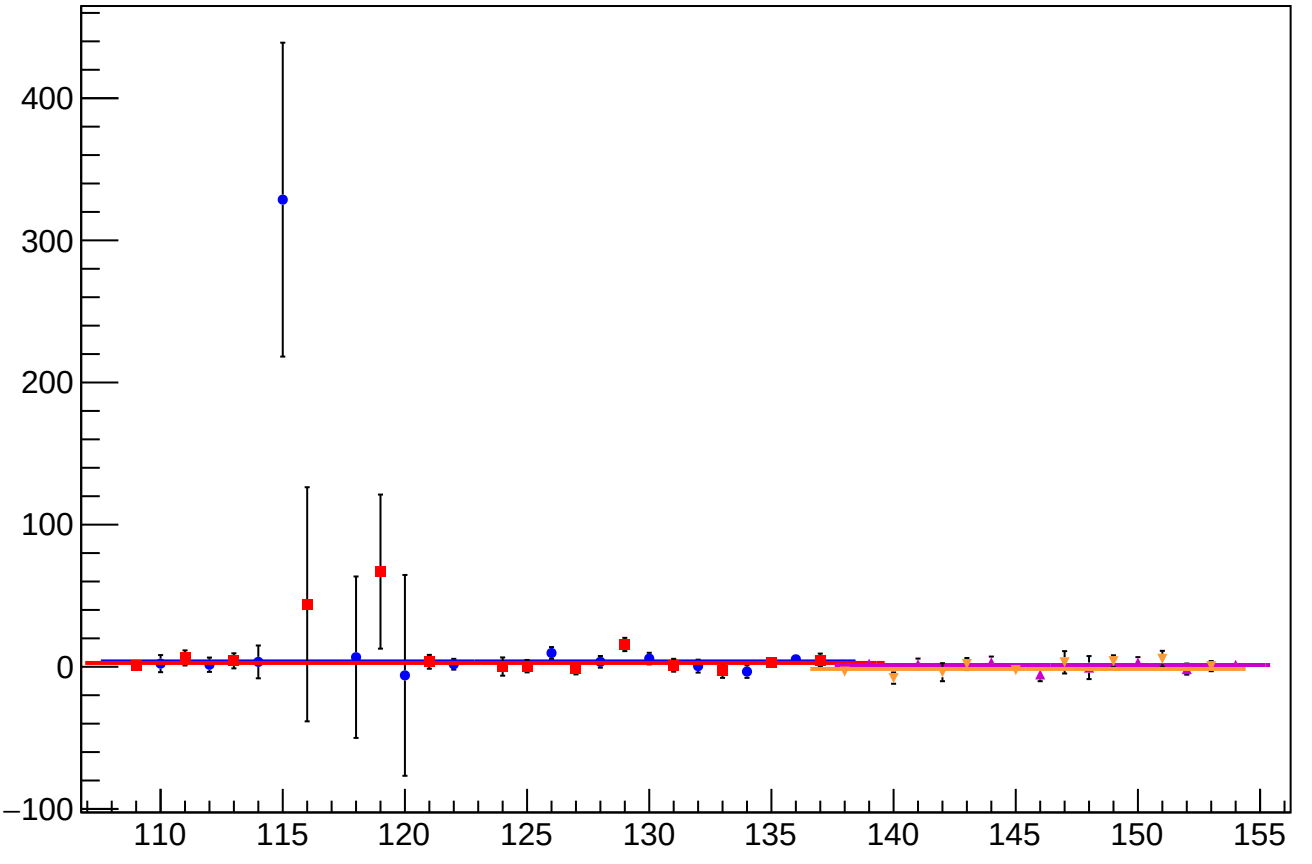
Left: 1004.974+/-0.191 χ^2/NDF: 248174.6/16

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1124.433+/-0.239 χ^2/NDF:3037542.8/20

Out: 1119.824+/-0.239 χ^2/NDF:2698578.6/22

All: 1122.120+/-0.169 χ^2/NDF: 5736307.3/43



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: 1.258+/-1.263 χ^2/NDF:3.2/7

Left: -0.148+/-0.888 χ^2/NDF: 13.9/16

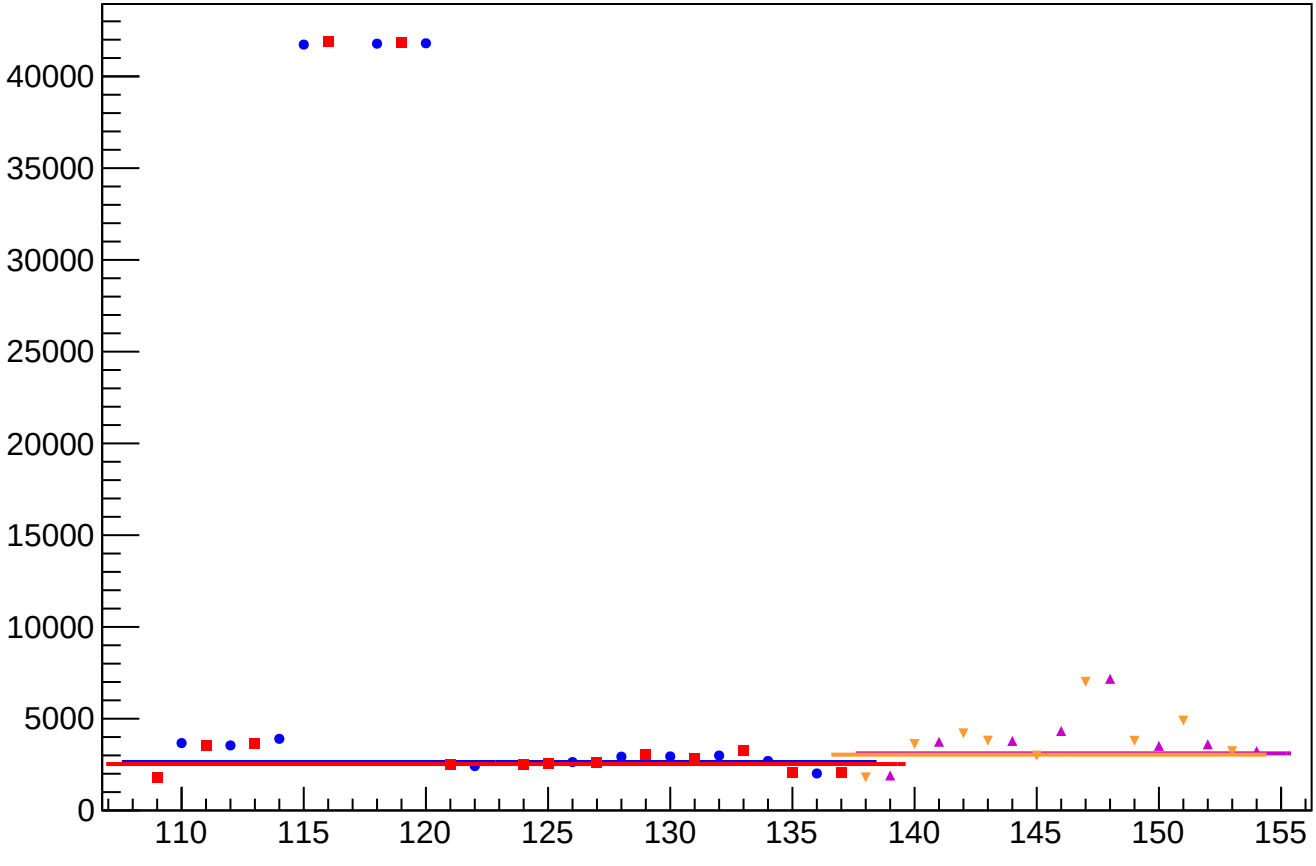
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.532+/-0.888 χ^2/NDF:20.4/20

Out: 0.658+/-0.869 χ^2/NDF:27.8/22

All: 1.576+/-0.621 χ^2/NDF: 50.4/43

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: 3110.592+/-0.893 χ^2/NDF:1447963.0/7

Left: 3075.975+/-0.628 χ^2/NDF: 3120798.5/16

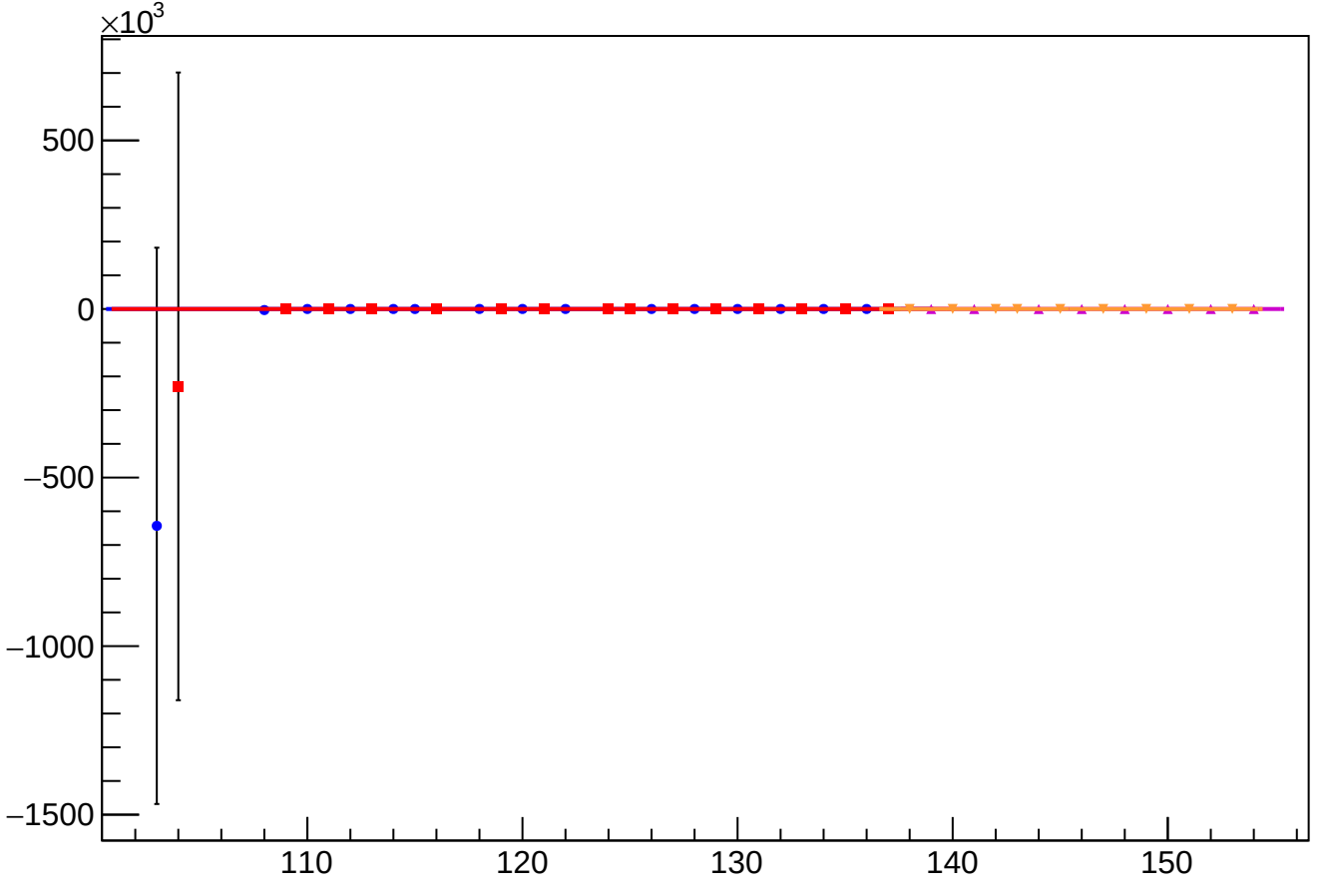
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2872.560+/-0.628 χ^2/NDF:3761869.0/20

Out: 2777.617+/-0.615 χ^2/NDF:3793765.4/22

All: 2824.097+/-0.439 χ^2/NDF: 7567310.7/43

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: 0.076+/-0.605 χ^2/NDF:10.6/7

Left: -0.857+/-0.423 χ^2/NDF: 35.0/16

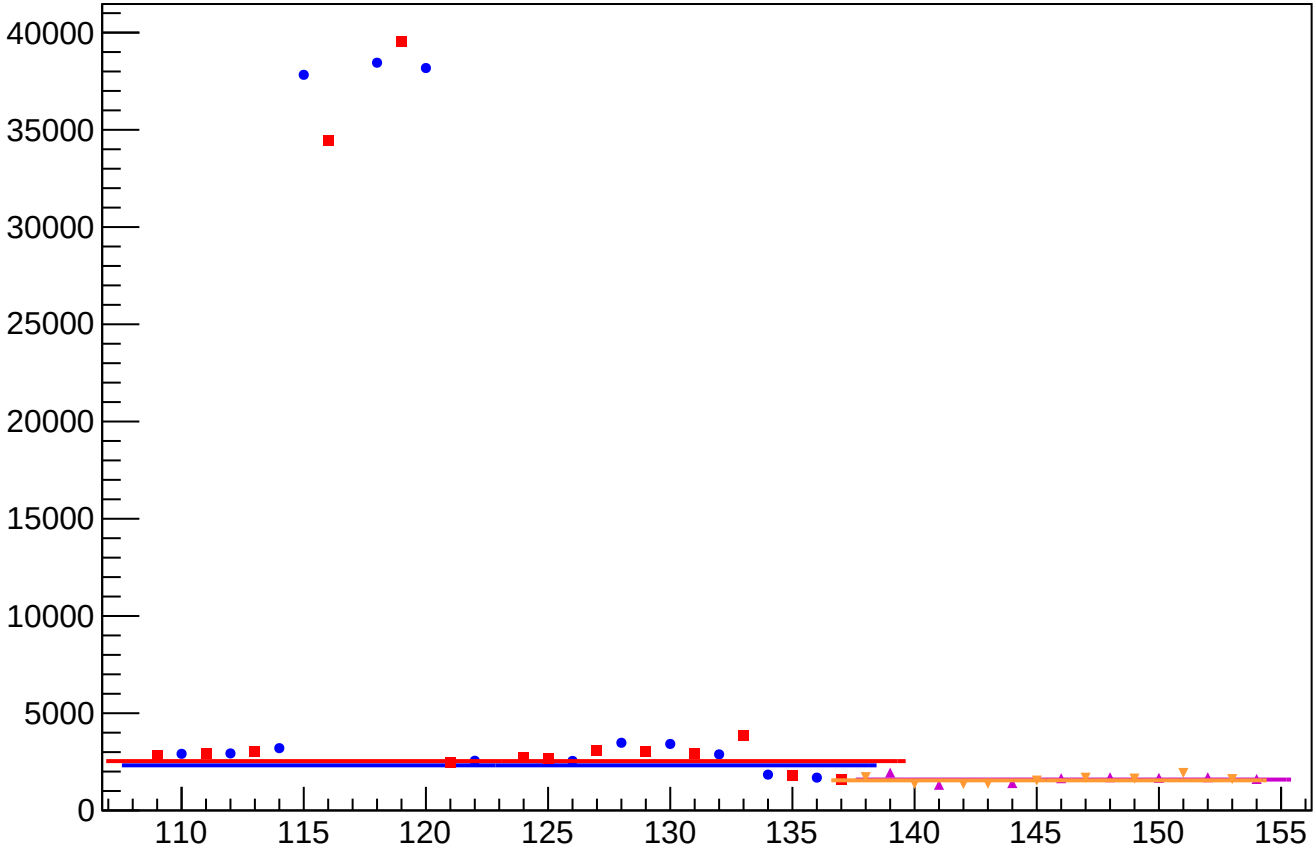
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.214+/-0.533 χ^2/NDF:30.4/22

Out: -0.896+/-0.530 χ^2/NDF:44.9/23

All: -0.557+/-0.376 χ^2/NDF: 76.2/46

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: 1588.249+/-0.428 χ^2/NDF:183924.5/7

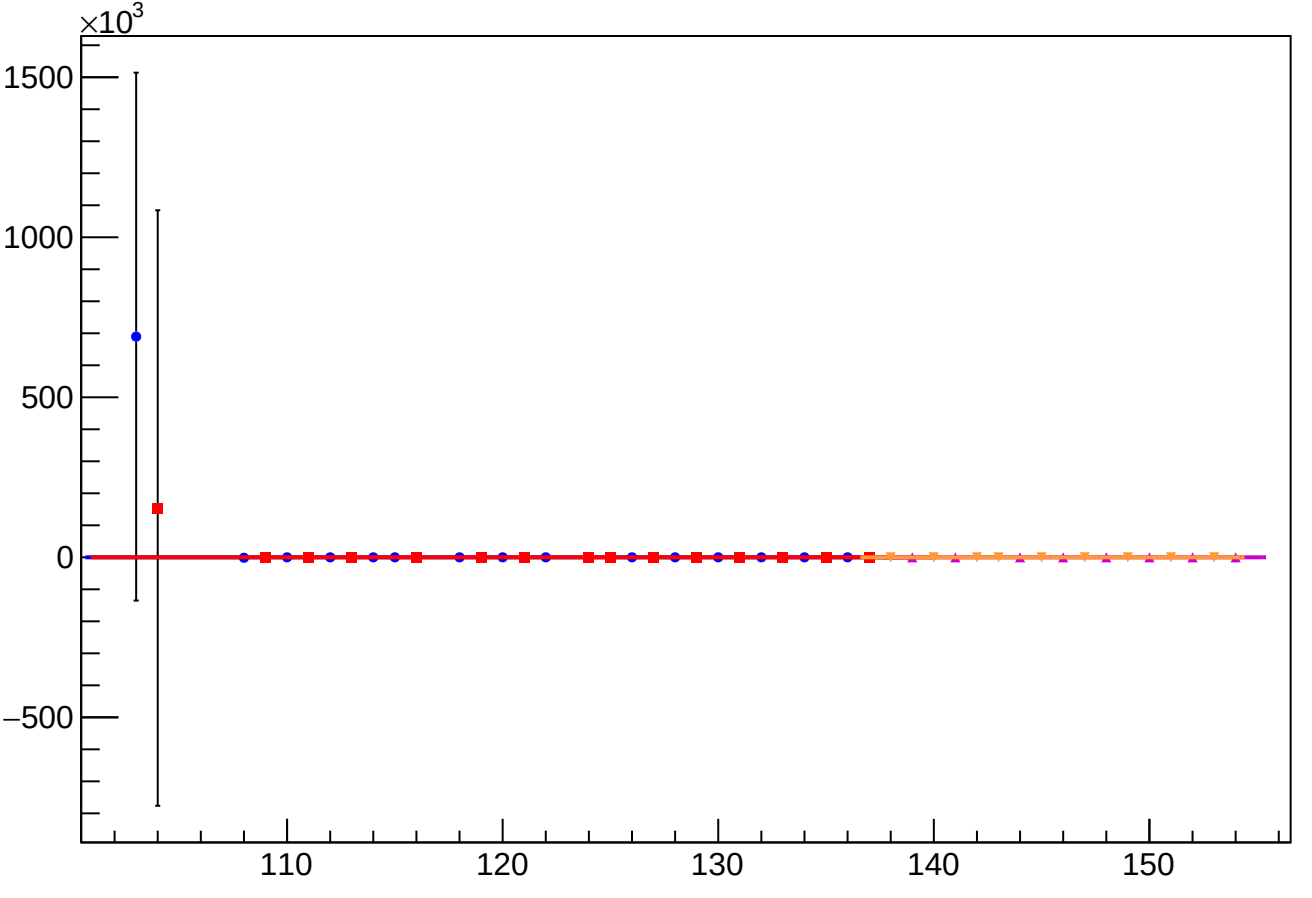
Left: 1568.060+/-0.299 χ^2/NDF: 361131.2/16

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1752.632+/-0.377 χ^2/NDF:3302041.2/20

Out: 1738.577+/-0.375 χ^2/NDF:3288219.6/22

All: 1745.569+/-0.266 χ^2/NDF: 6590959.2/43



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: -0.185+/-0.782 χ^2/NDF:3.6/7

Left: -0.324+/-0.570 χ^2/NDF: 14.2/16

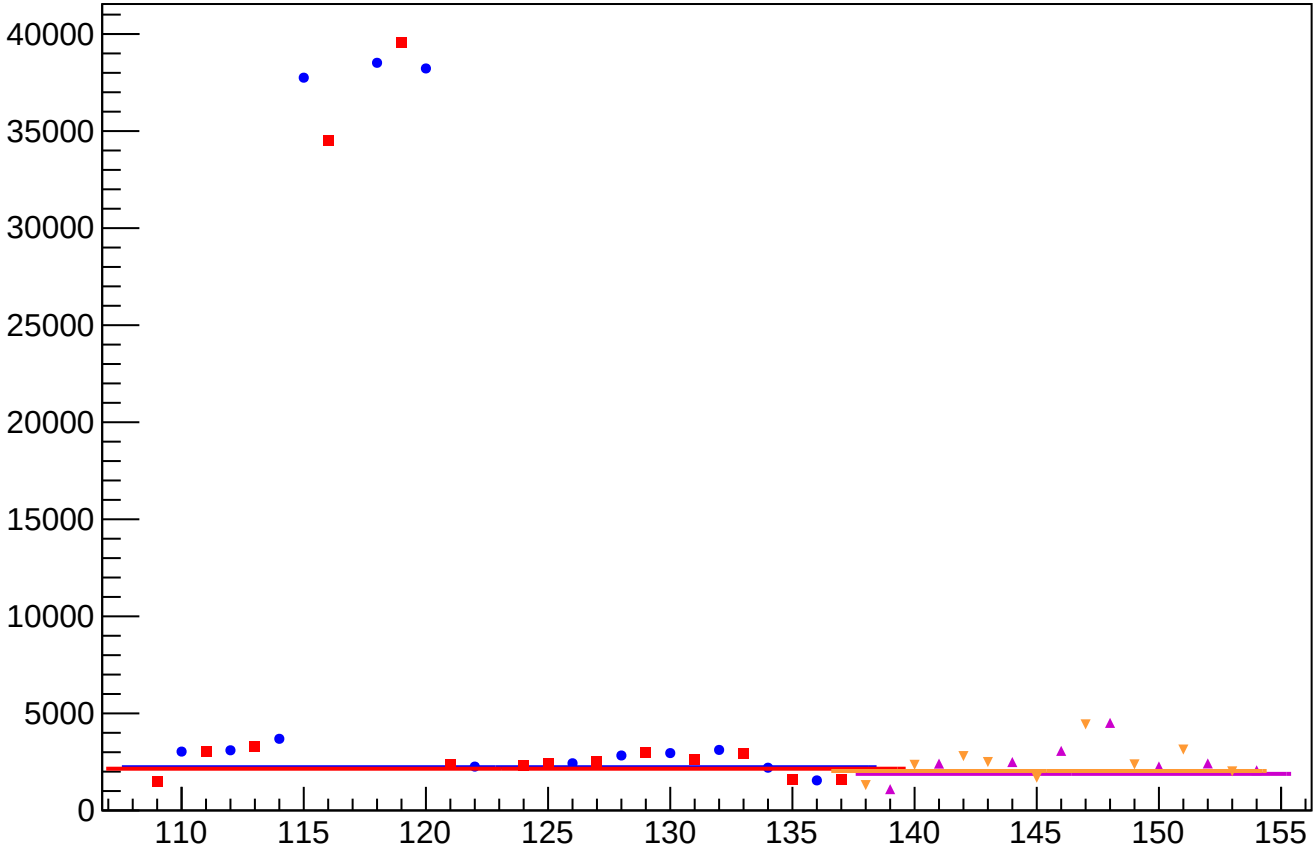
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.469+/-0.633 χ^2/NDF:10.6/22

Out: 0.434+/-0.653 χ^2/NDF:29.0/23

All: 0.452+/-0.454 χ^2/NDF: 39.7/46

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: 1884.802+/-0.553 χ^2/NDF:1982749.9/7

Left: 1954.233+/-0.403 χ^2/NDF: 3324597.8/16

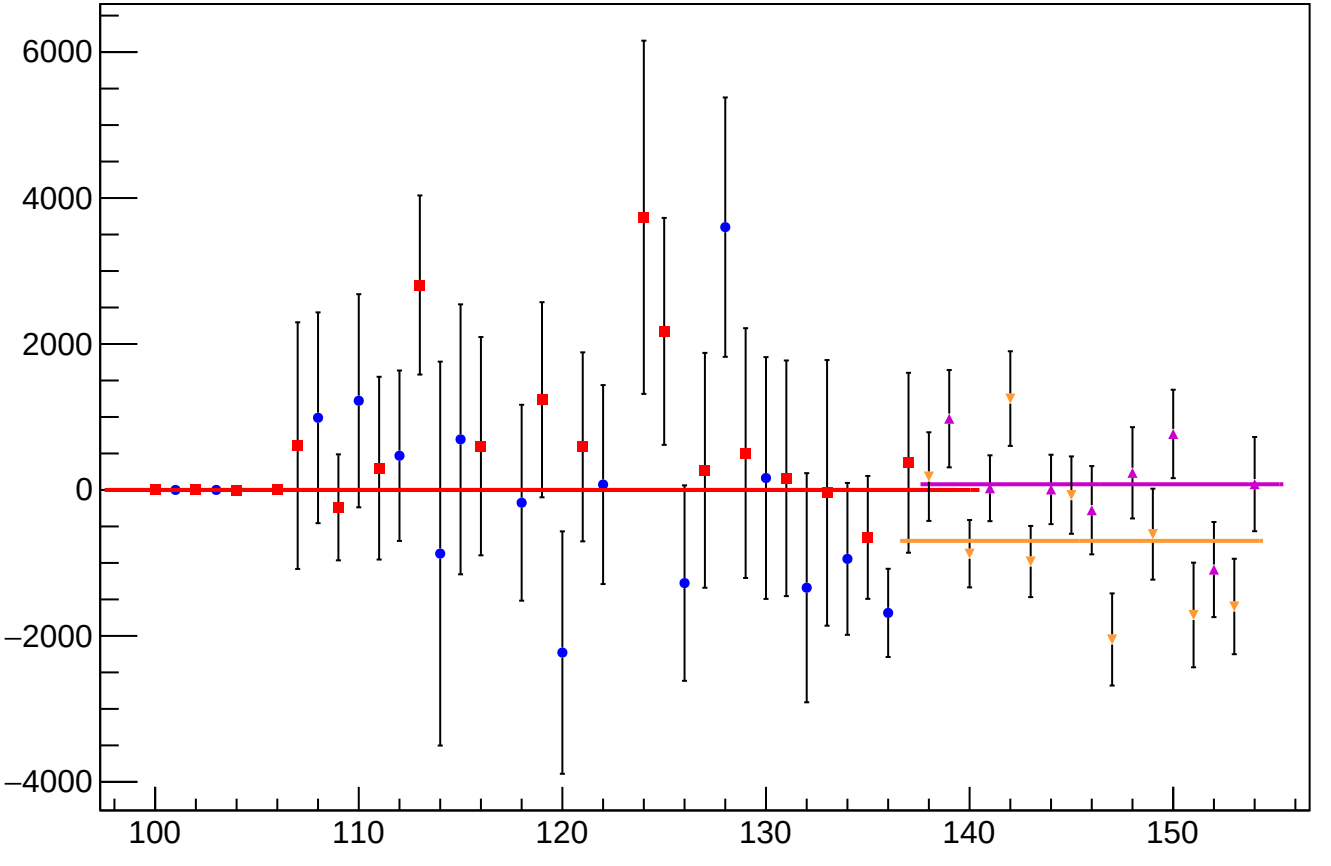
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2003.050+/-0.447 χ^2/NDF:4637270.9/20

Out: 2078.456+/-0.462 χ^2/NDF:3554955.4/22

All: 2039.561+/-0.321 χ^2/NDF: 8205977.4/43

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: 78.017+/-202.649 χ^2/NDF:6.8/7

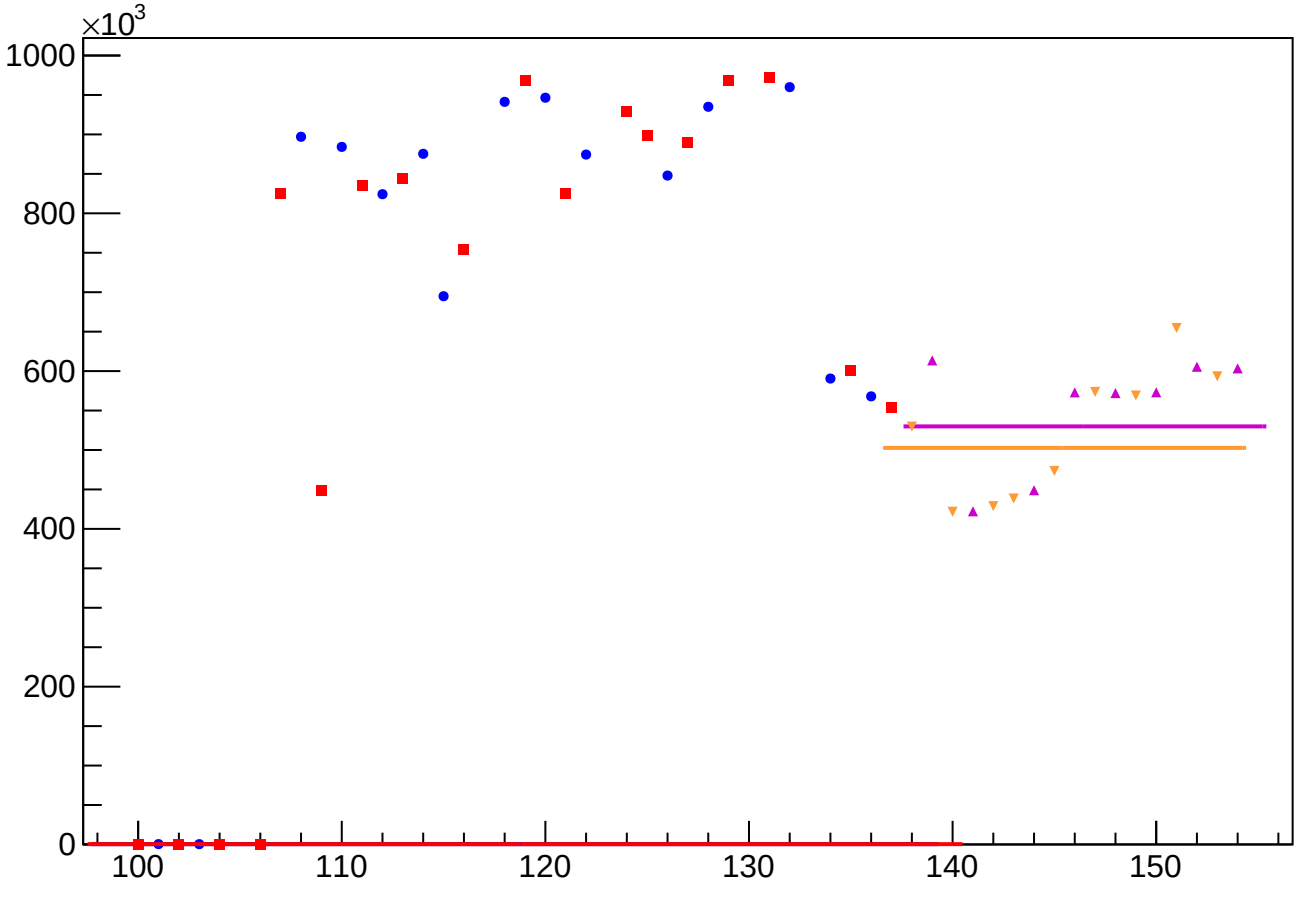
Left: -328.994+/-139.676 χ^2/NDF: 36.0/16

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:24.7/23

Out: -0.098+/-0.328 χ^2/NDF:50.0/27

All: 0.064+/-0.241 χ^2/NDF: 75.2/51



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: 529898.236+/-143.294 χ^2/NDF:285555.0/7

Left: 515605.441+/-98.766 χ^2/NDF: 612882.1/16

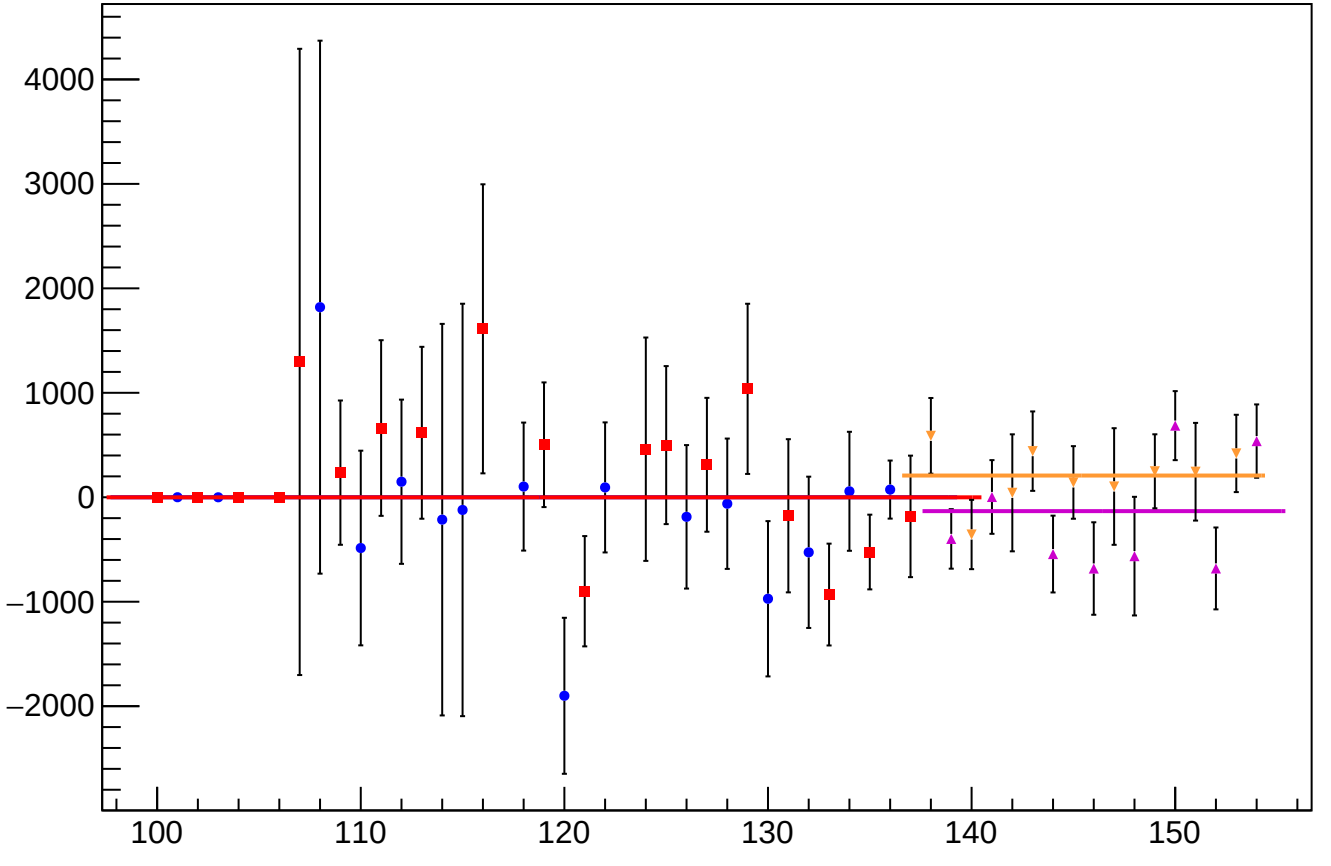
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 400.512+/-0.251 χ^2/NDF:22431778.5/22

Out: 394.692+/-0.232 χ^2/NDF:21533128.1/26

All: 397.365+/-0.170 χ^2/NDF: 43965196.3/49

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: -132.777+/-129.389 χ^2/NDF:16.1/7

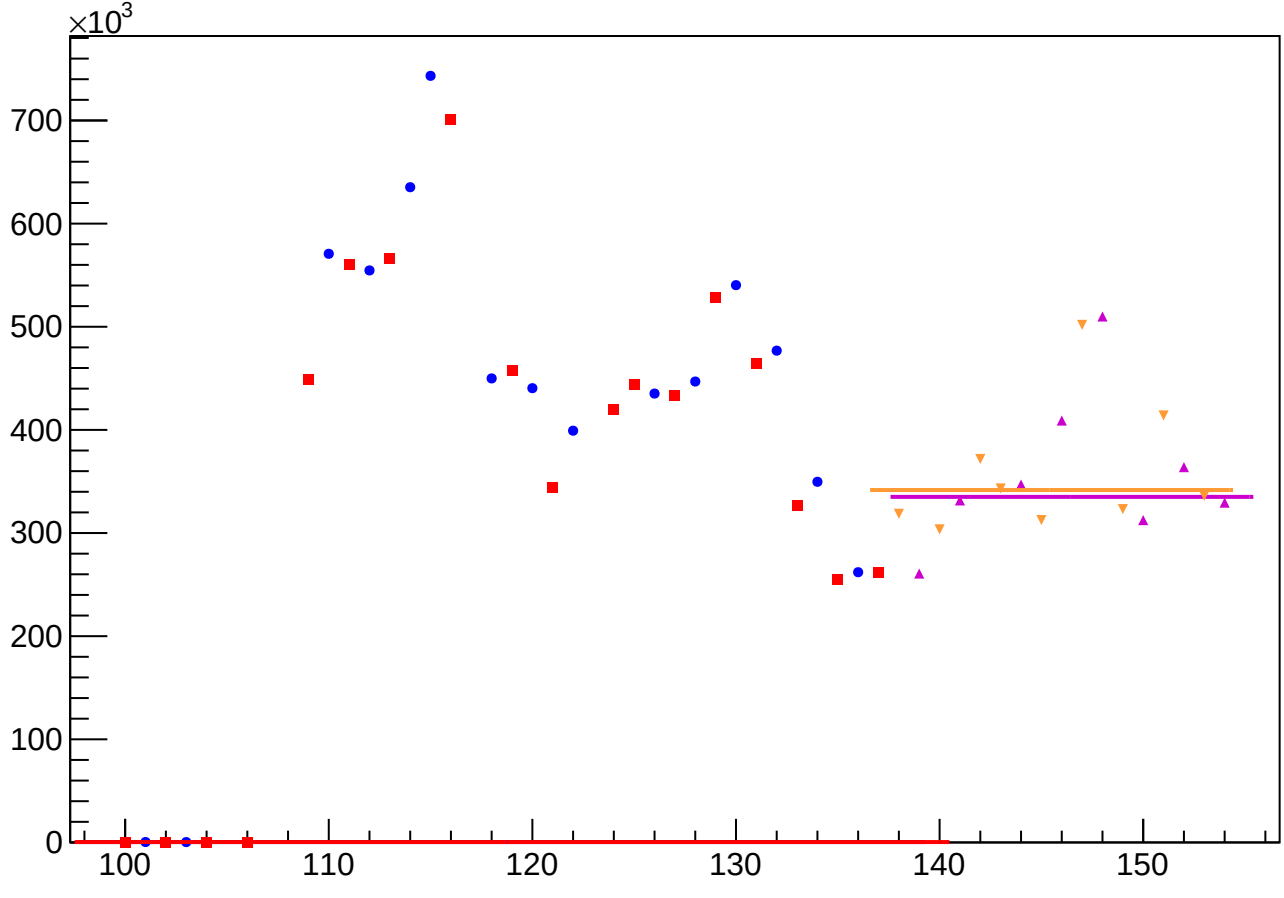
Left: 35.325+/-92.104 χ^2/NDF: 24.4/16

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:27.6/23

Out: -0.597+/-0.324 χ^2/NDF:22.4/27

All: -0.329+/-0.237 χ^2/NDF: 51.5/51



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: 335070.062+/-91.504 χ^2/NDF:404512.8/7

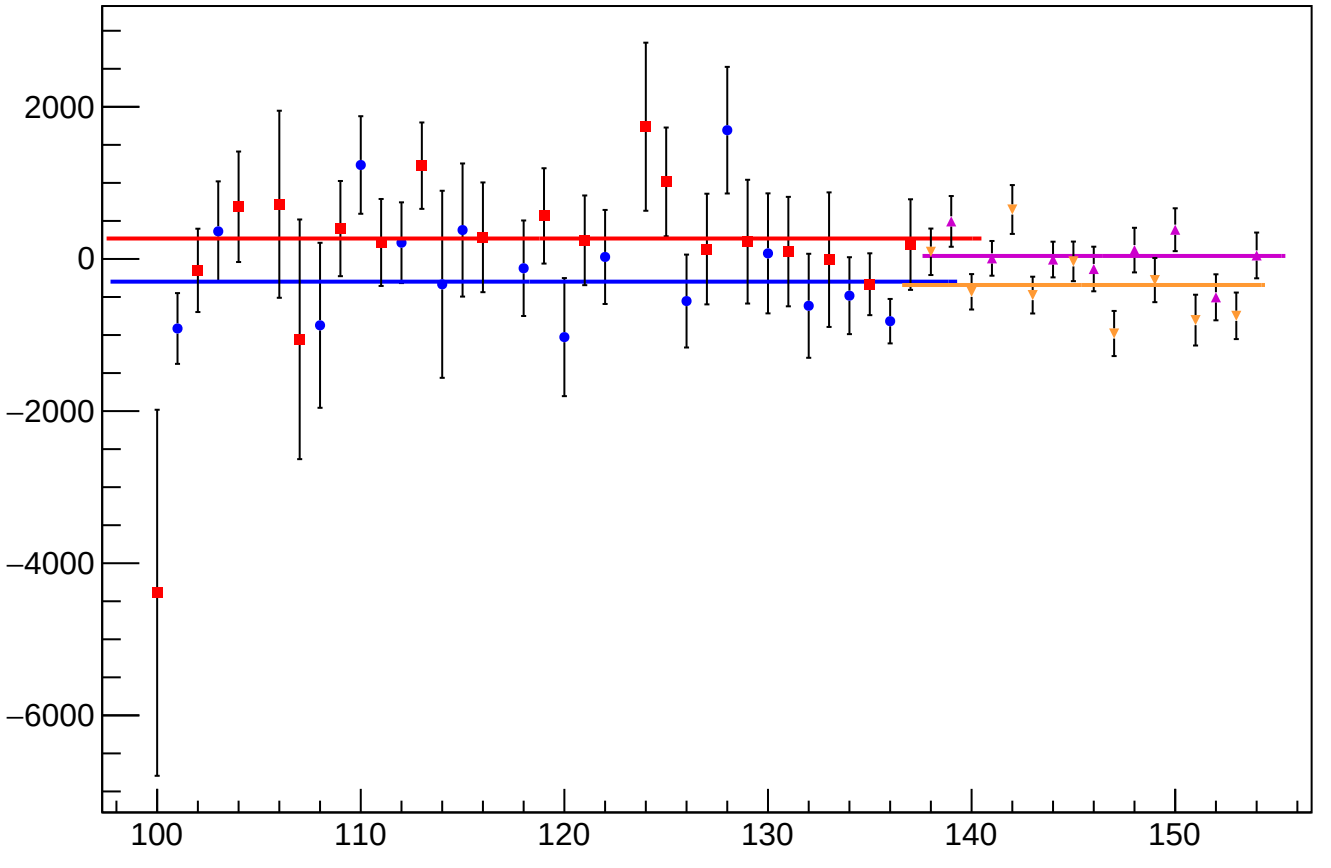
Left: 338331.389+/-65.131 χ^2/NDF: 679784.9/16

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 392.684+/-0.245 χ^2/NDF:24914405.4/22

Out: 390.065+/-0.229 χ^2/NDF:24893615.0/26

All: 391.284+/-0.167 χ^2/NDF: 49808081.2/49



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: 39.661+/-97.957 χ^2/NDF:7.1/7

Left: -159.434+/-67.758 χ^2/NDF: 36.8/16

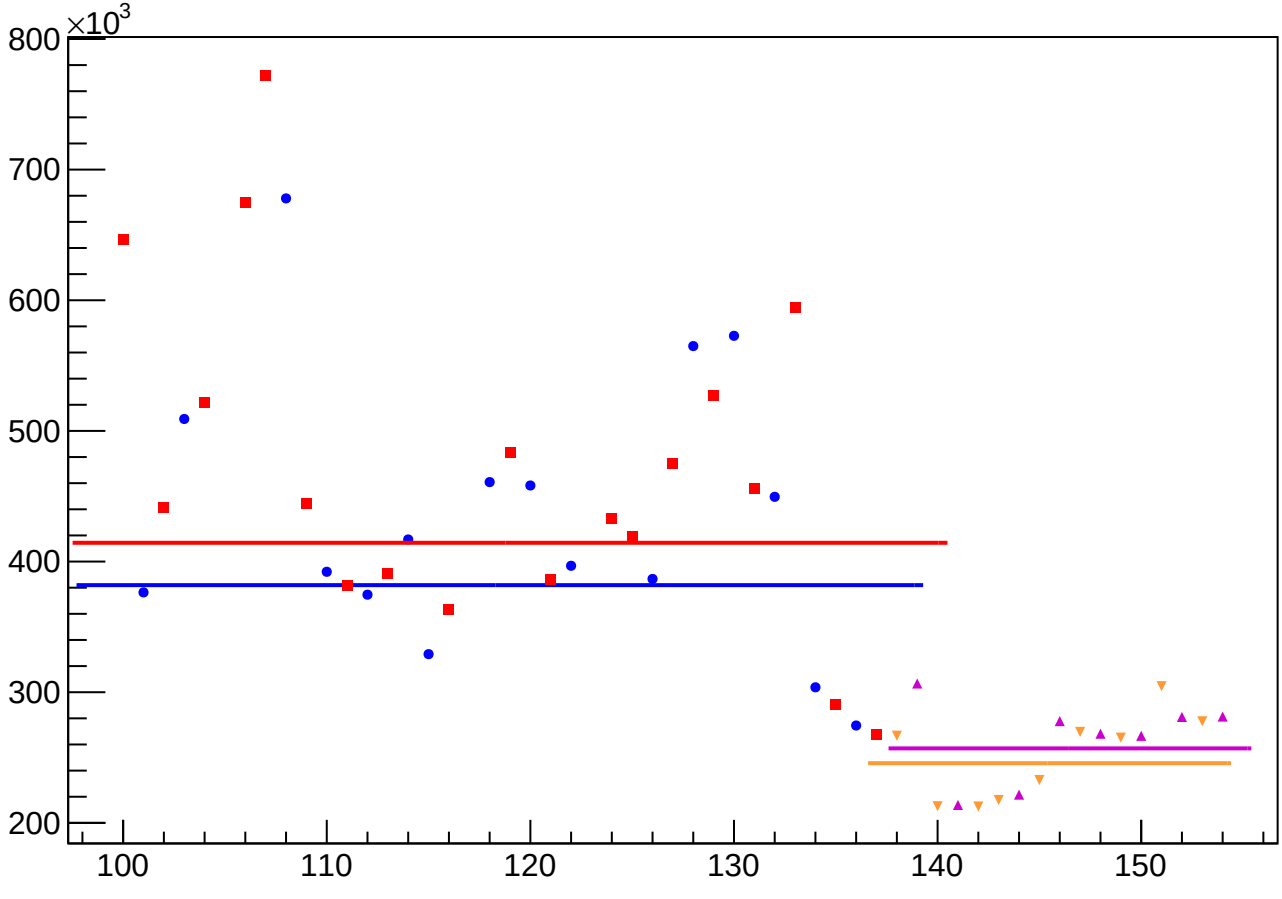
Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -63.893+/-81.578 χ^2/NDF:31.9/23

Out: -180.672+/-80.483 χ^2/NDF:46.9/27

All: -123.072+/-57.293 χ^2/NDF: 79.8/51

diff_cav4cX_rms vs Slug, Sign Corrected



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: 257010.644+/-69.266 χ^2/NDF:203009.0/7

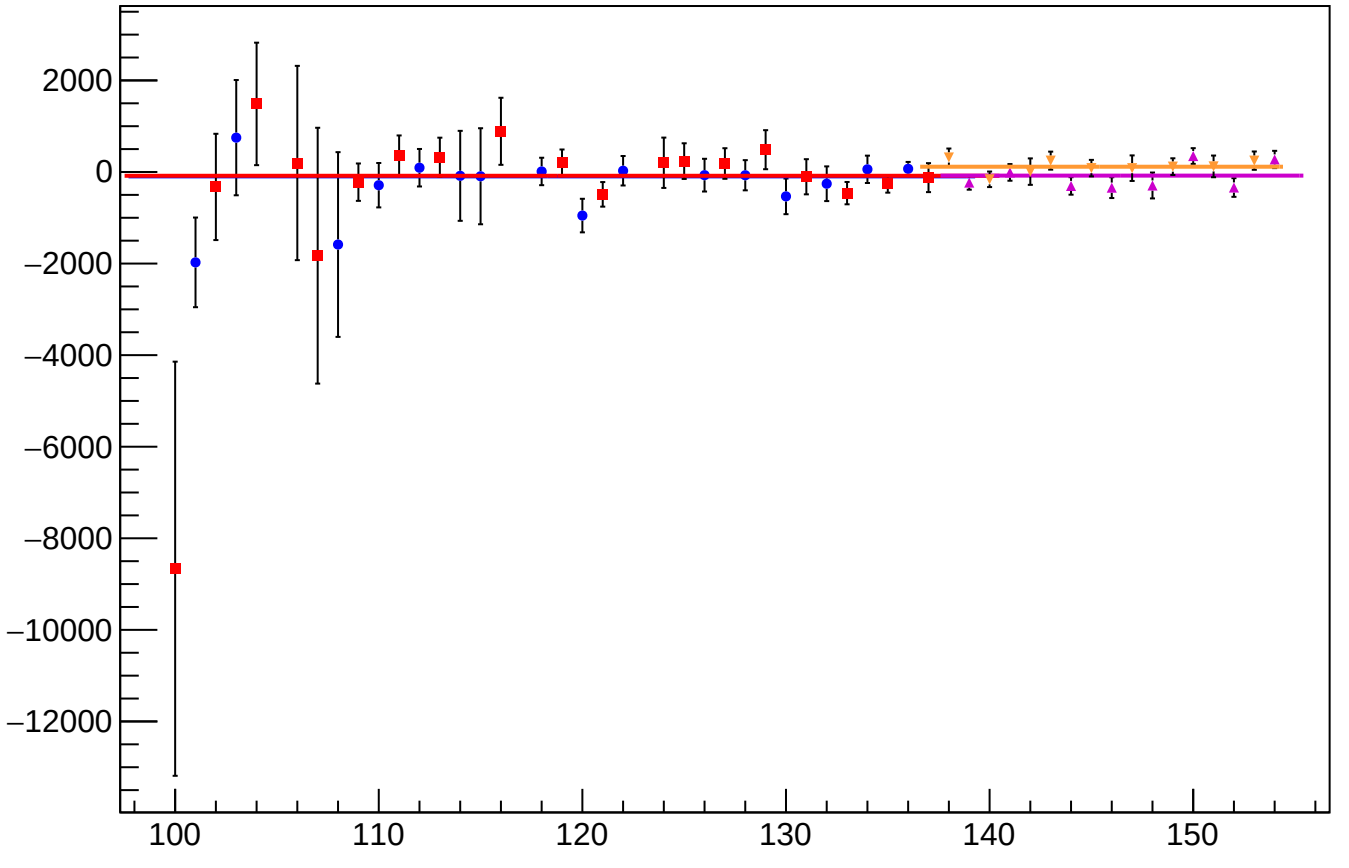
Left: 251098.424+/-47.912 χ^2/NDF: 426096.0/16

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 295291.009+/-57.688 χ^2/NDF:2036401.2/23

Out: 290228.038+/-56.914 χ^2/NDF:2676842.2/27

All: 292725.323+/-40.515 χ^2/NDF: 4717146.



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: -79.183+/-67.894 χ^2/NDF:15.7/7

Left: 17.533+/-48.106 χ^2/NDF: 24.6/16

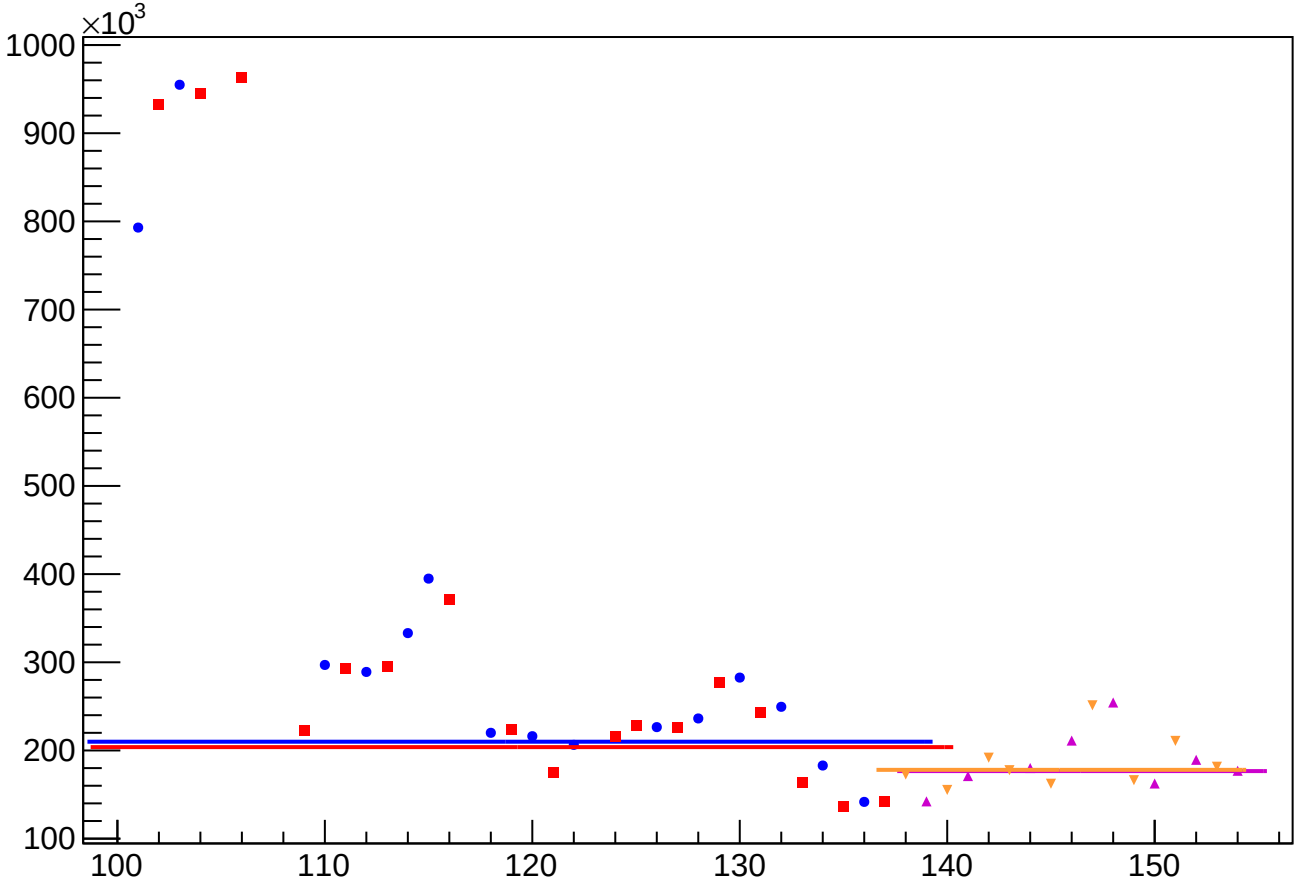
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -85.379+/-53.816 χ^2/NDF:29.5/23

Out: 40.135+/-53.734 χ^2/NDF:27.0/27

All: -22.527+/-38.025 χ^2/NDF: 59.2/51

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: 176611.338+/-48.009 χ^2/NDF:319061.0/7

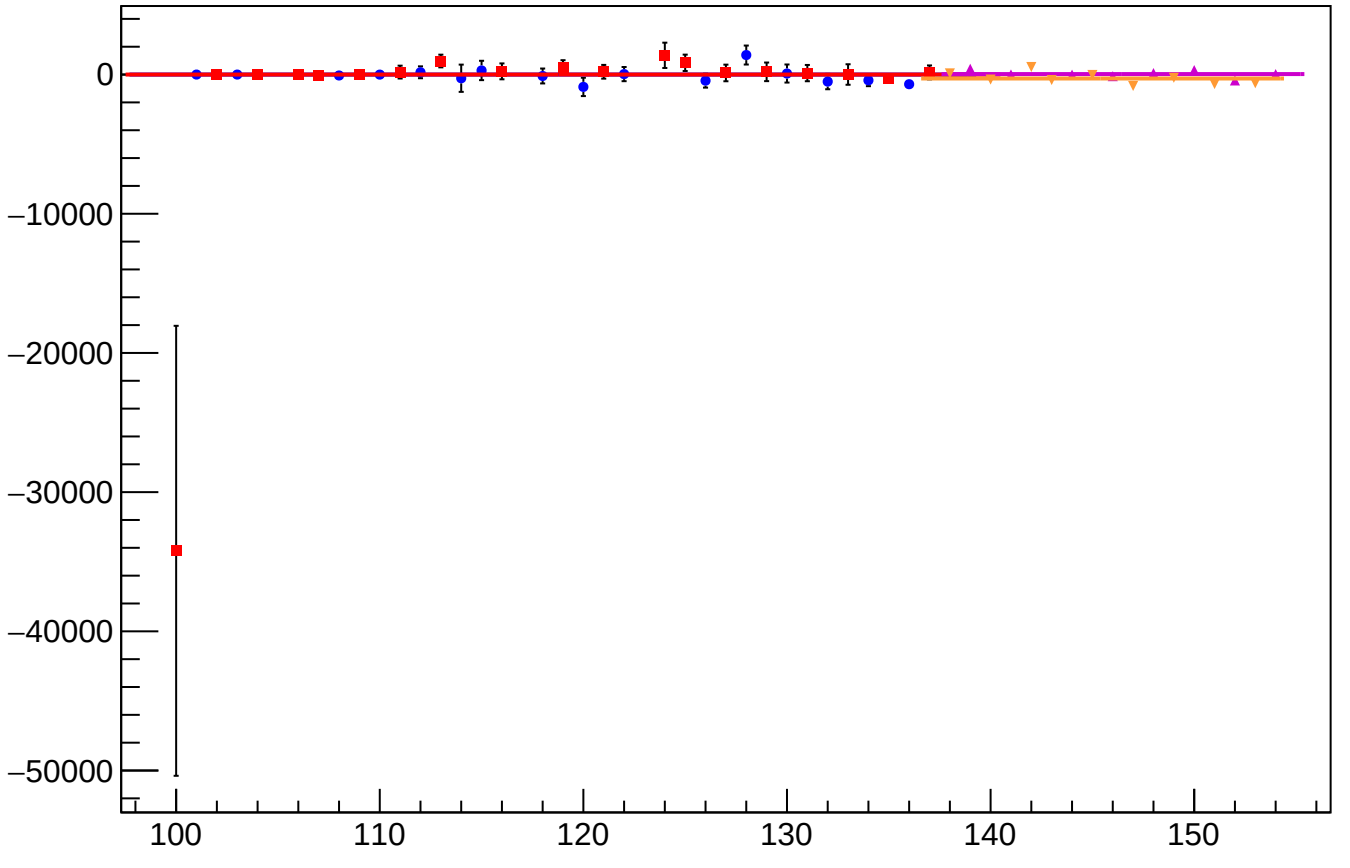
Left: 177309.515+/-34.016 χ^2/NDF: 561802.5/16

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 188969.386+/-38.078 χ^2/NDF:2457602.3/22

Out: 187746.701+/-38.031 χ^2/NDF:2420779.4/25

All: 188357.293+/-26.909 χ^2/NDF: 4878897.



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: 35.307+/-82.015 χ^2/NDF:7.1/7

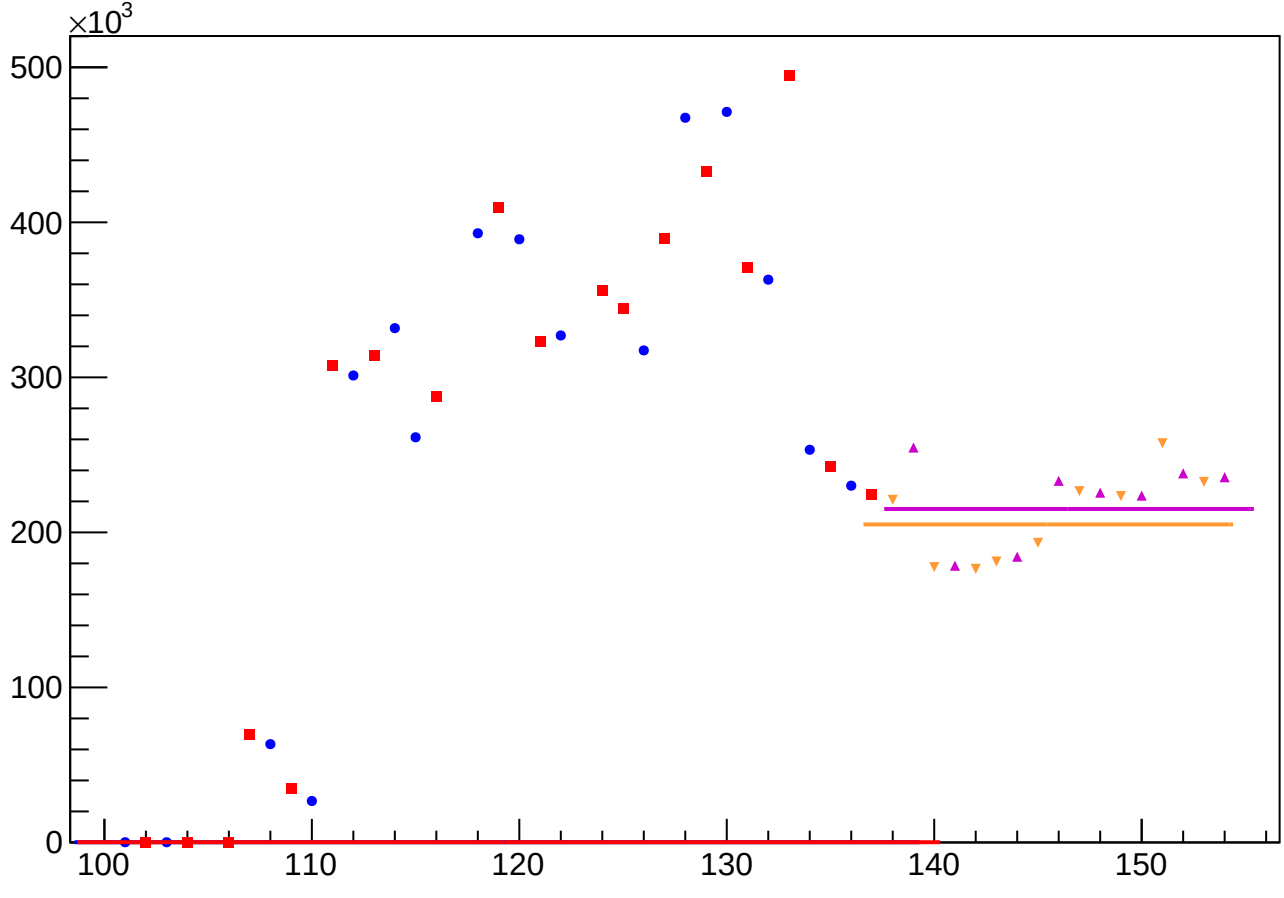
Left: -130.899+/-56.669 χ^2/NDF: 36.9/16

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:25.4/23

Out: 0.354+/-0.160 χ^2/NDF:51.4/27

All: 0.174+/-0.117 χ^2/NDF: 79.6/51



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: 215115.665+/-57.993 χ^2/NDF:210921.6/7

Left: 209894.679+/-40.071 χ^2/NDF: 449629.2/16

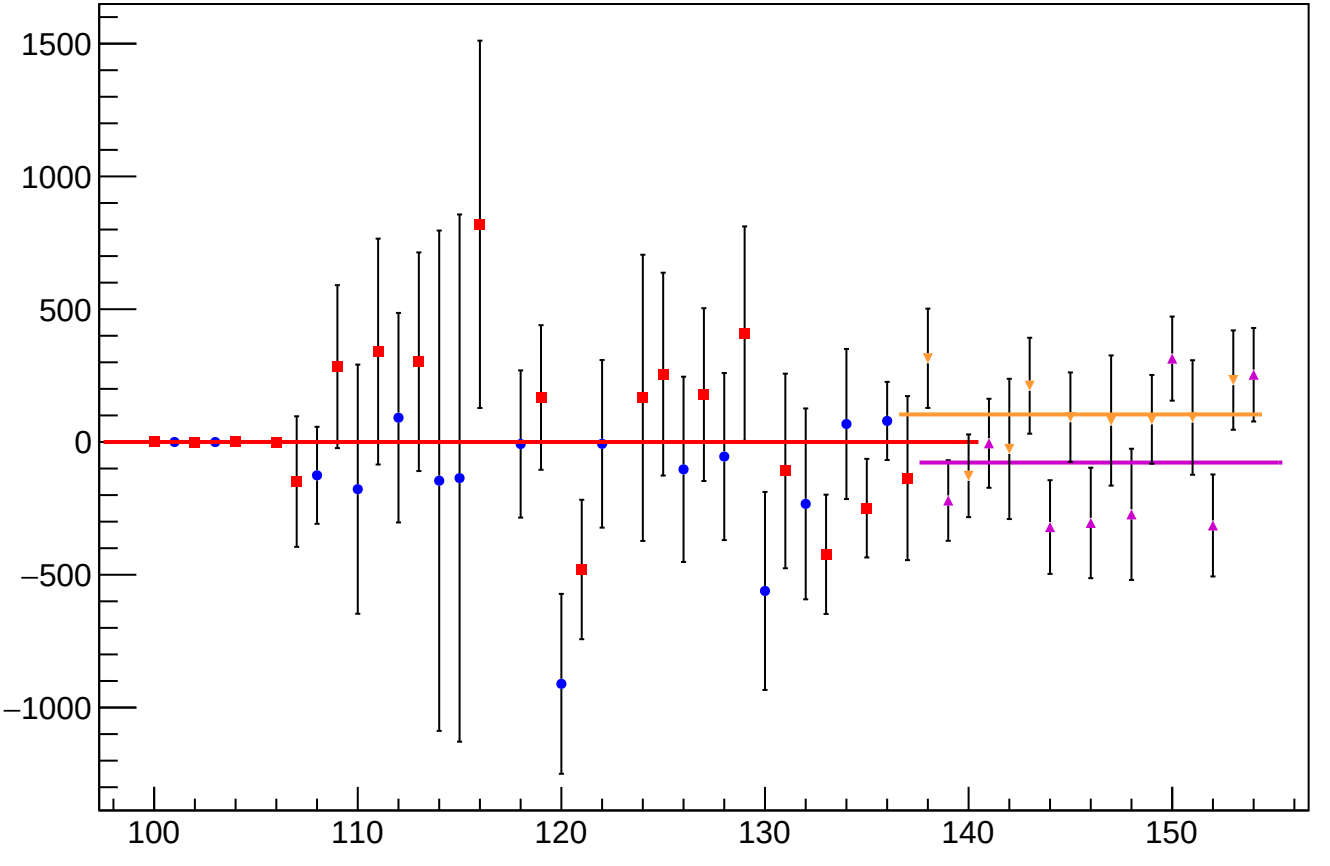
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.041+/-0.122 χ^2/NDF:25252801.2/23

Out: 150.234+/-0.113 χ^2/NDF:25186086.4/26

All: 150.144+/-0.083 χ^2/NDF: 50438889.0/50

diff_cav4dY_mean vs Slug, Sign Corrected



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: -77.513+/-63.258 χ^2/NDF:16.0/7

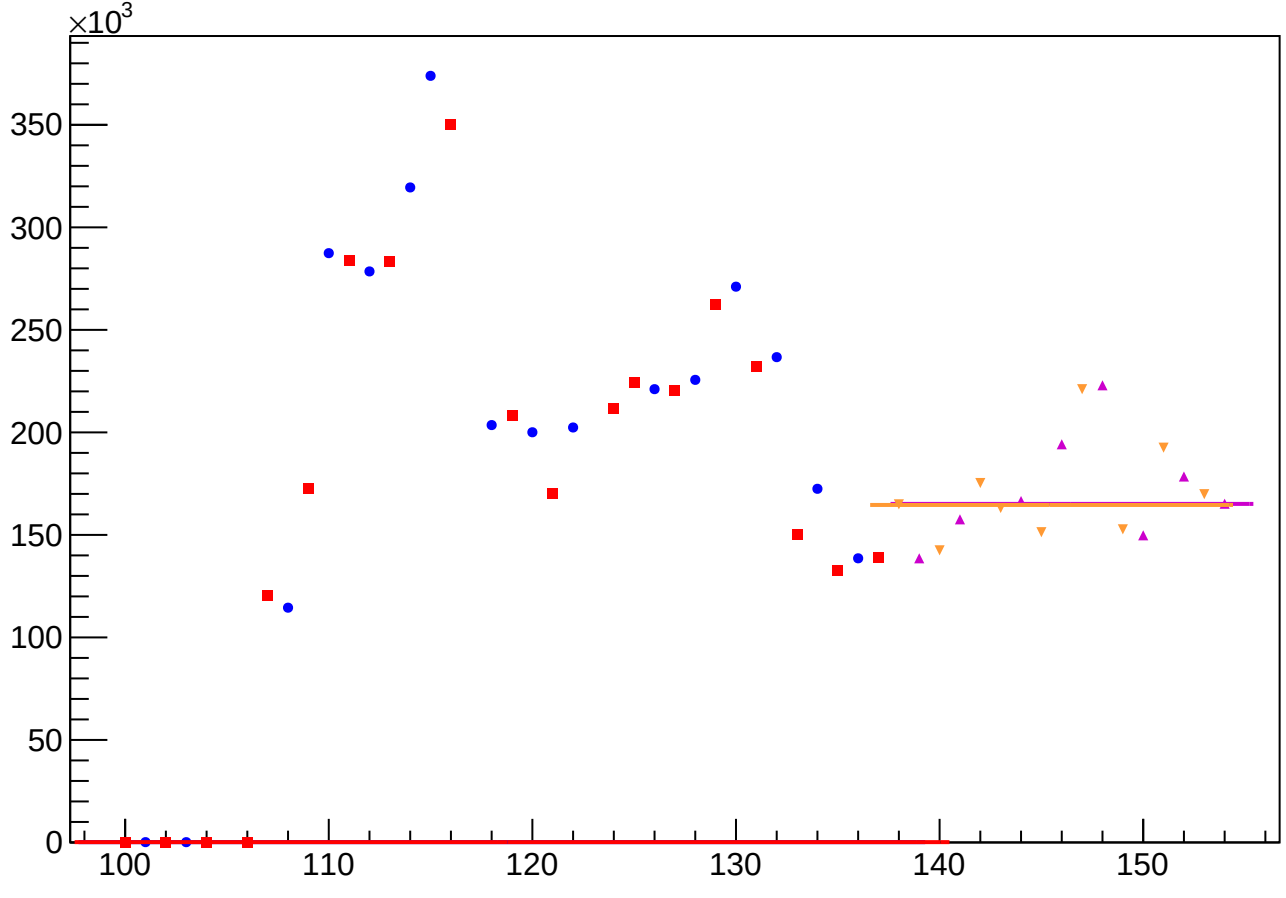
Left: 13.599+/-44.613 χ^2/NDF: 24.7/16

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:28.7/23

Out: -0.125+/-0.166 χ^2/NDF:22.5/27

All: -0.099+/-0.121 χ^2/NDF: 51.3/51



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: 165121.100+/-44.730 χ^2/NDF:242479.1/7

Left: 164863.944+/-31.546 χ^2/NDF: 450193.3/16

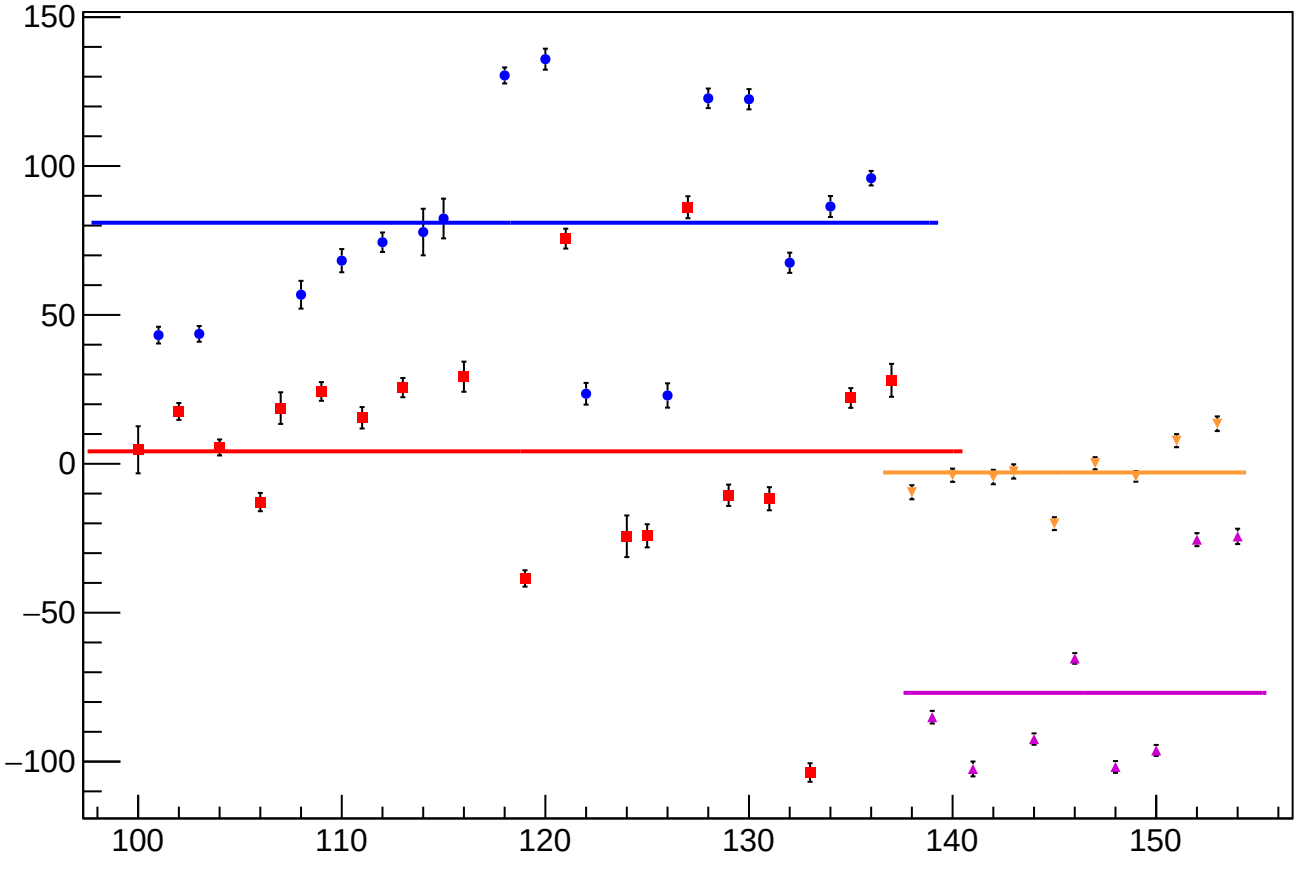
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 154.755+/-0.125 χ^2/NDF:25749281.4/23

Out: 157.309+/-0.118 χ^2/NDF:25197895.2/27

All: 156.112+/-0.086 χ^2/NDF: 50947397.2/51

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: -76.920+/-0.731 χ^2/NDF:1459.0/7

Left: -40.061+/-0.518 χ^2/NDF: 6709.7/16

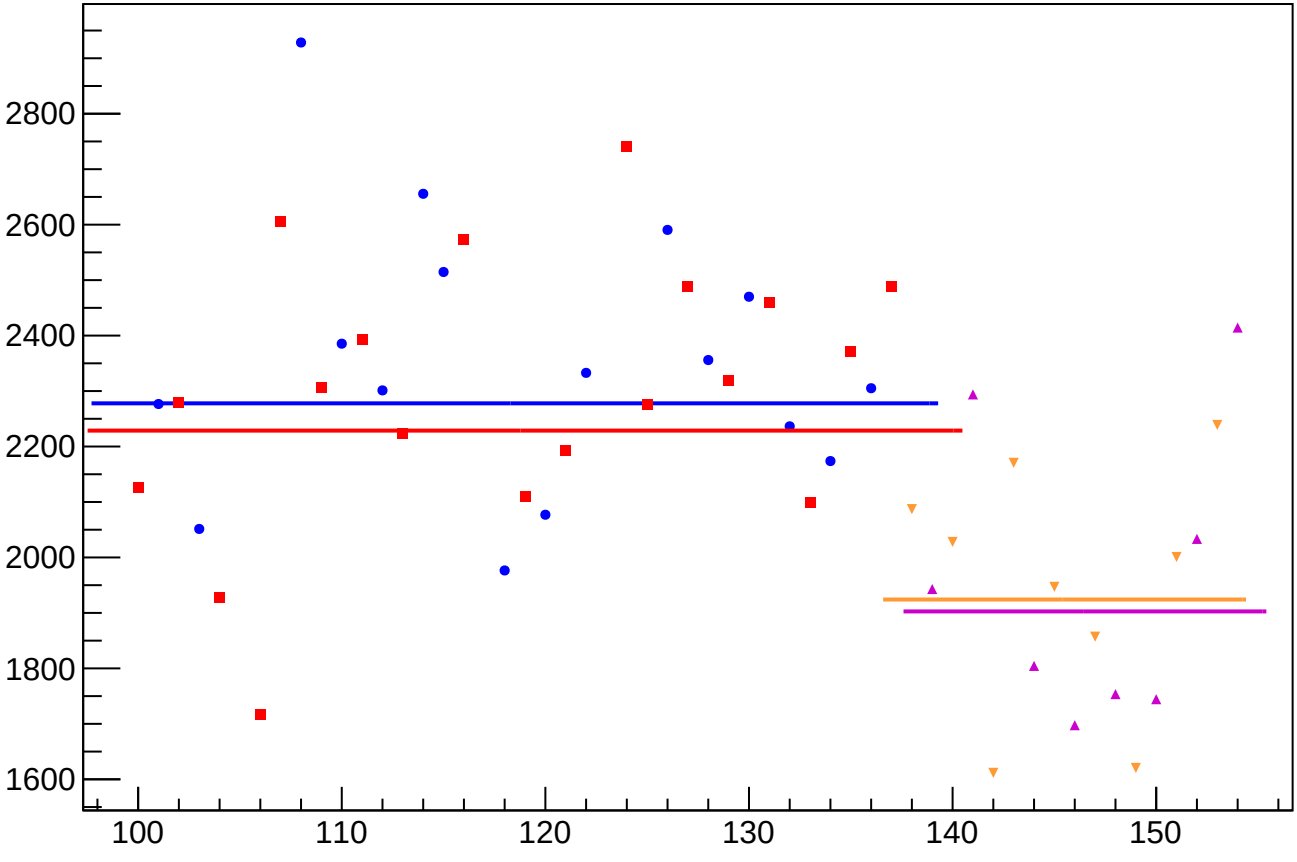
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -9.964+/-0.554 χ^2/NDF:23072.2/23

Out: 0.240+/-0.547 χ^2/NDF:2902.8/27

All: -4.790+/-0.389 χ^2/NDF: 26146.6/51

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: 1902.687+/-0.517 χ^2/NDF:192939.0/7

Left: 1913.375+/-0.366 χ^2/NDF: 357238.2/16

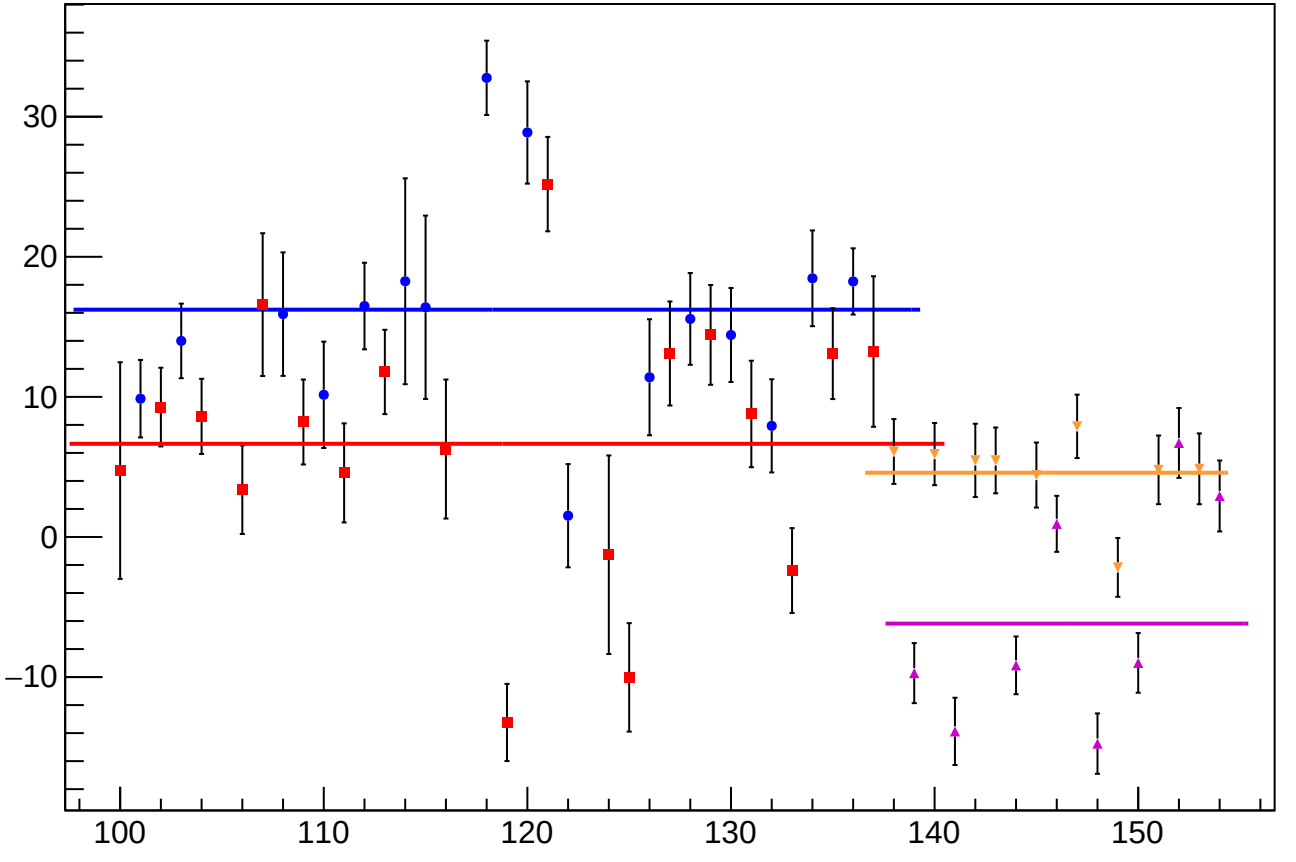
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2061.804+/-0.392 χ^2/NDF:532340.8/23

Out: 2059.496+/-0.387 χ^2/NDF:467798.5/27

All: 2060.633+/-0.275 χ^2/NDF: 1000156.9/51

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: -6.182+/-0.783 χ^2/NDF:85.0/7

Left: -0.767+/-0.552 χ^2/NDF: 193.6/16

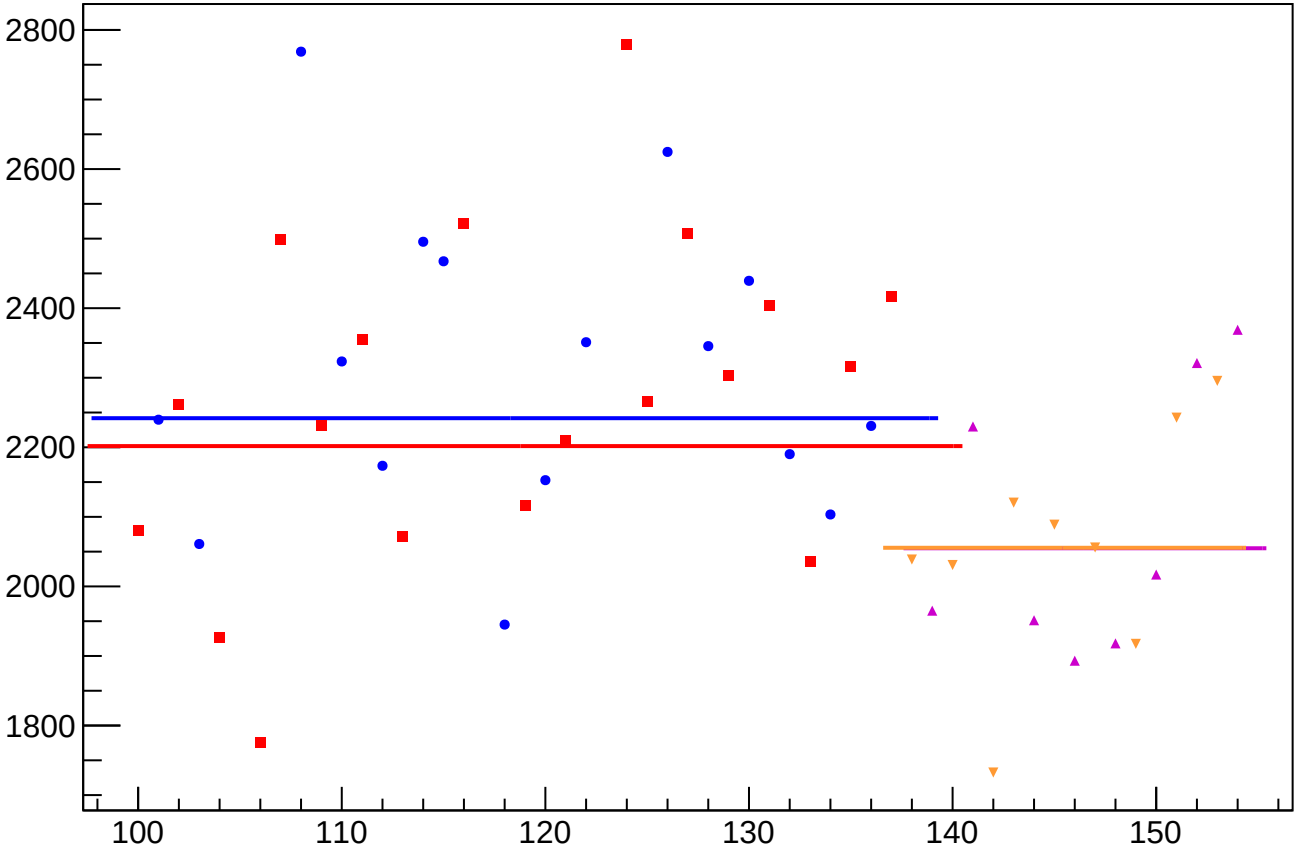
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.273+/-0.572 χ^2/NDF:551.3/23

Out: 5.581+/-0.561 χ^2/NDF:151.5/27

All: 4.939+/-0.401 χ^2/NDF: 705.4/51

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: 2054.855+/-0.554 χ^2/NDF:94494.9/7

Left: 2055.203+/-0.391 χ^2/NDF: 165594.2/16

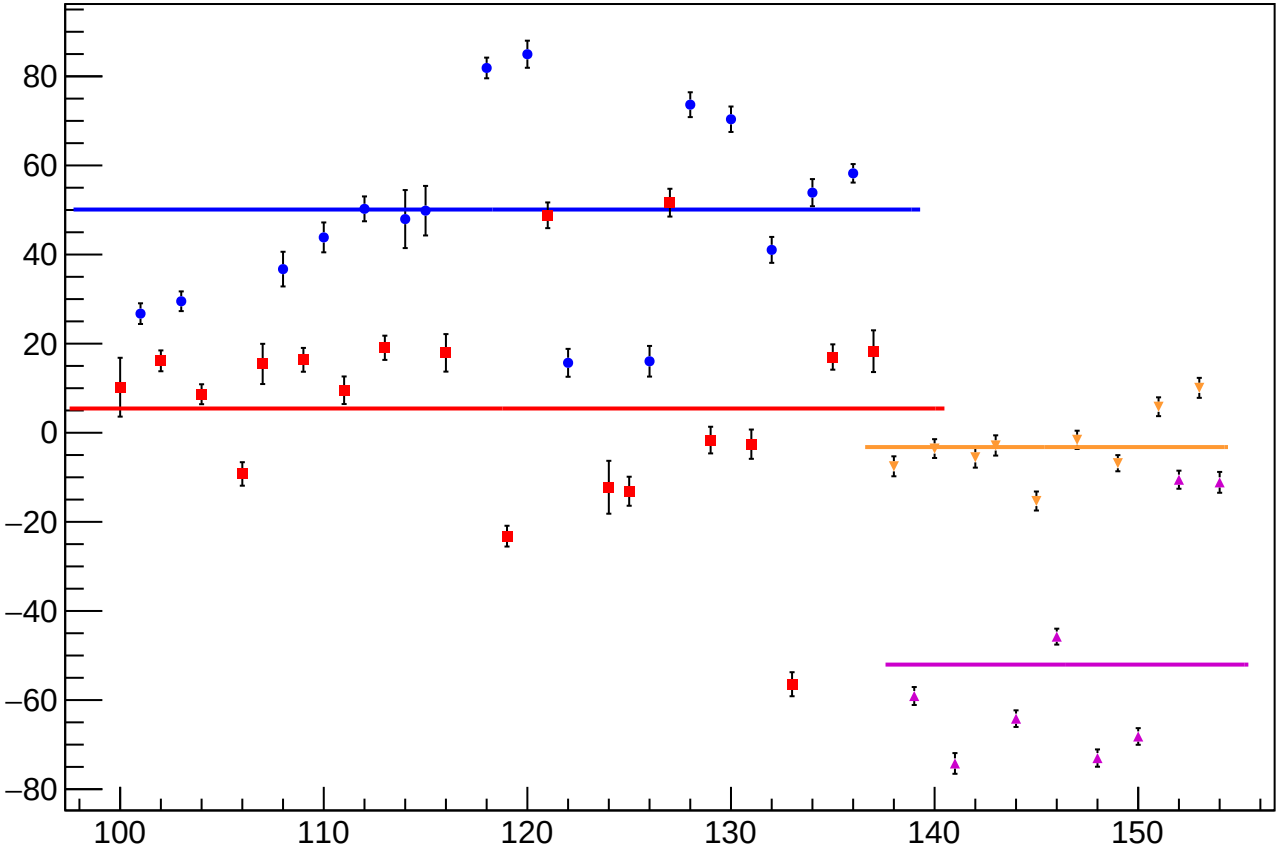
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2142.104+/-0.405 χ^2/NDF:249929.5/23

Out: 2125.864+/-0.397 χ^2/NDF:234852.5/27

All: 2133.828+/-0.283 χ^2/NDF: 485603.1/51

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: -52.038+/-0.706 χ^2/NDF:1072.7/7

Left: -27.745+/-0.500 χ^2/NDF: 3549.9/16

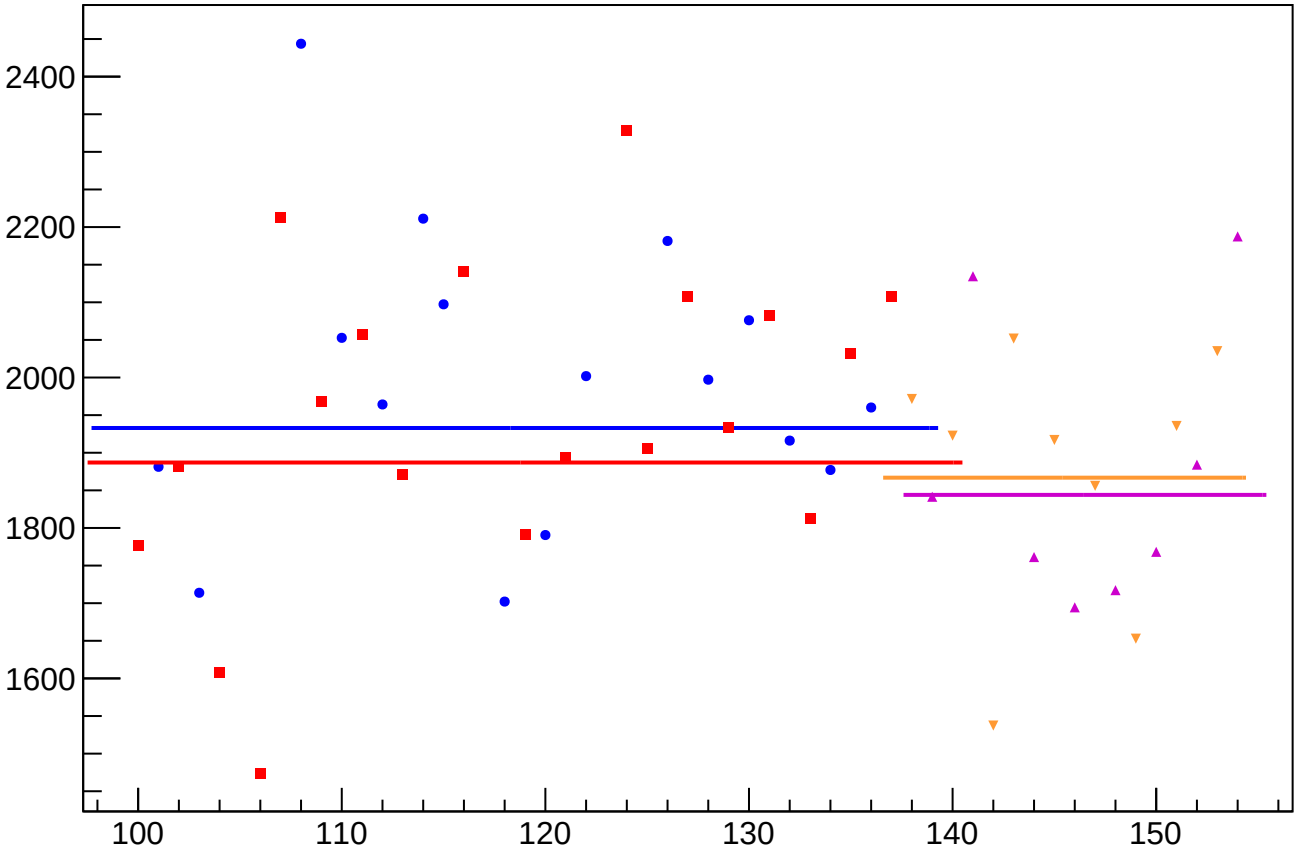
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -2.147+/-0.505 χ^2/NDF:12195.3/23

Out: 1.207+/-0.496 χ^2/NDF:1482.7/27

All: -0.441+/-0.354 χ^2/NDF: 13700.5/51

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: 1843.973+/-0.499 χ^2/NDF:104862.3/7

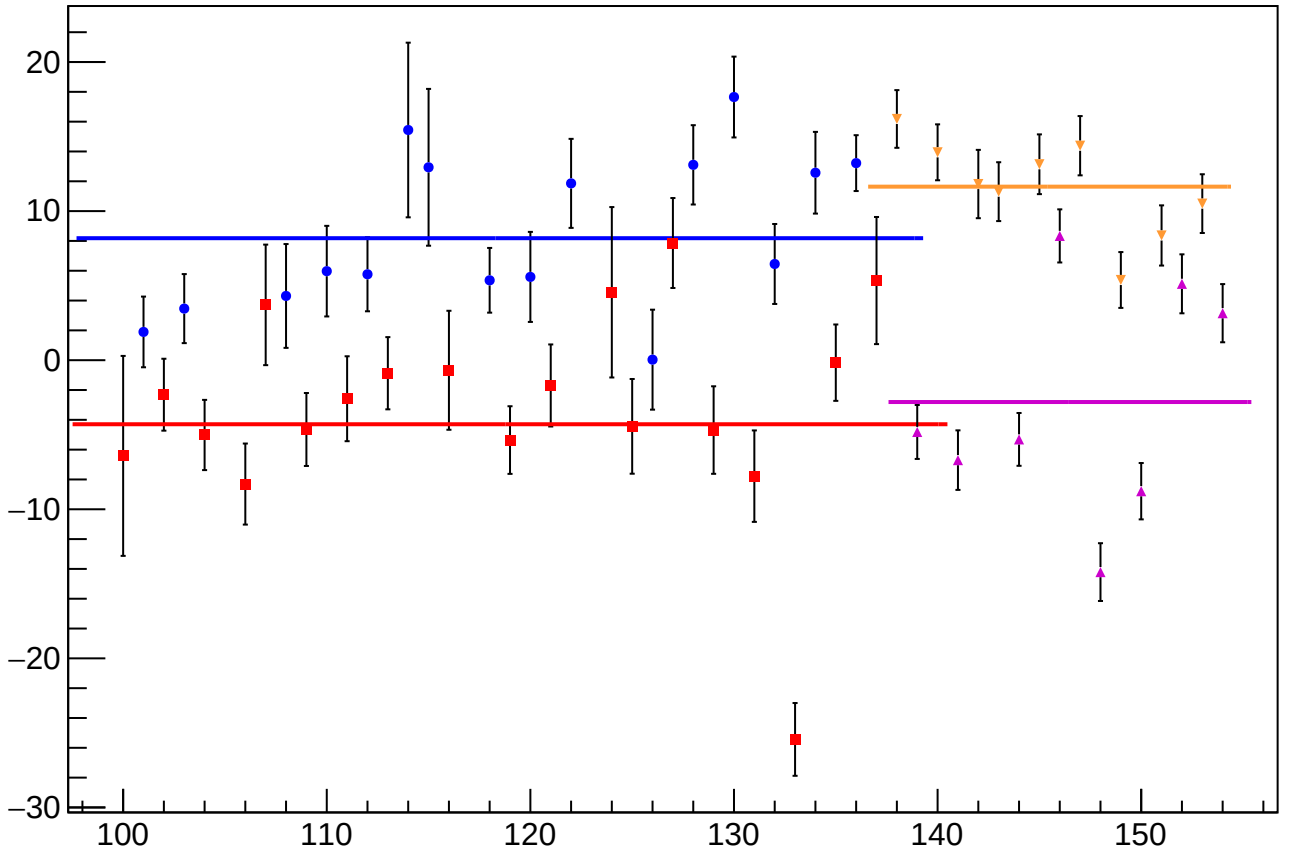
Left: 1855.362+/-0.354 χ^2/NDF: 207678.4/16

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1887.412+/-0.357 χ^2/NDF:226346.3/23

Out: 1877.148+/-0.351 χ^2/NDF:252339.3/27

All: 1882.192+/-0.250 χ^2/NDF: 479106.4/51



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: -2.806+/-0.666 χ^2/NDF:116.2/7

Left: 4.472+/-0.469 χ^2/NDF: 376.9/16

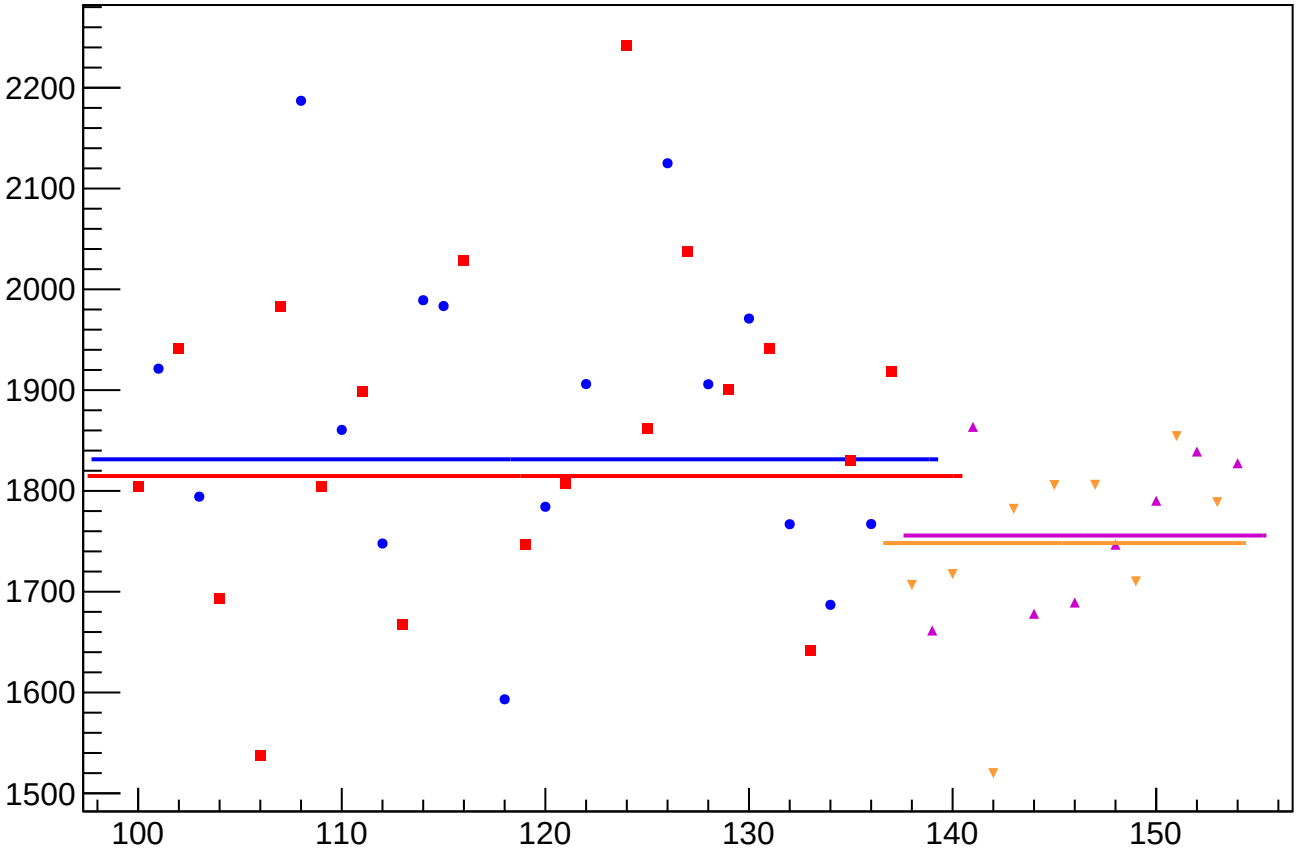
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.546+/-0.477 χ^2/NDF:300.8/23

Out: 3.725+/-0.469 χ^2/NDF:426.3/27

All: 3.146+/-0.334 χ^2/NDF: 730.2/51

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: 1755.738+/-0.471 χ^2/NDF:24844.8/7

Left: 1751.962+/-0.332 χ^2/NDF: 57393.7/16

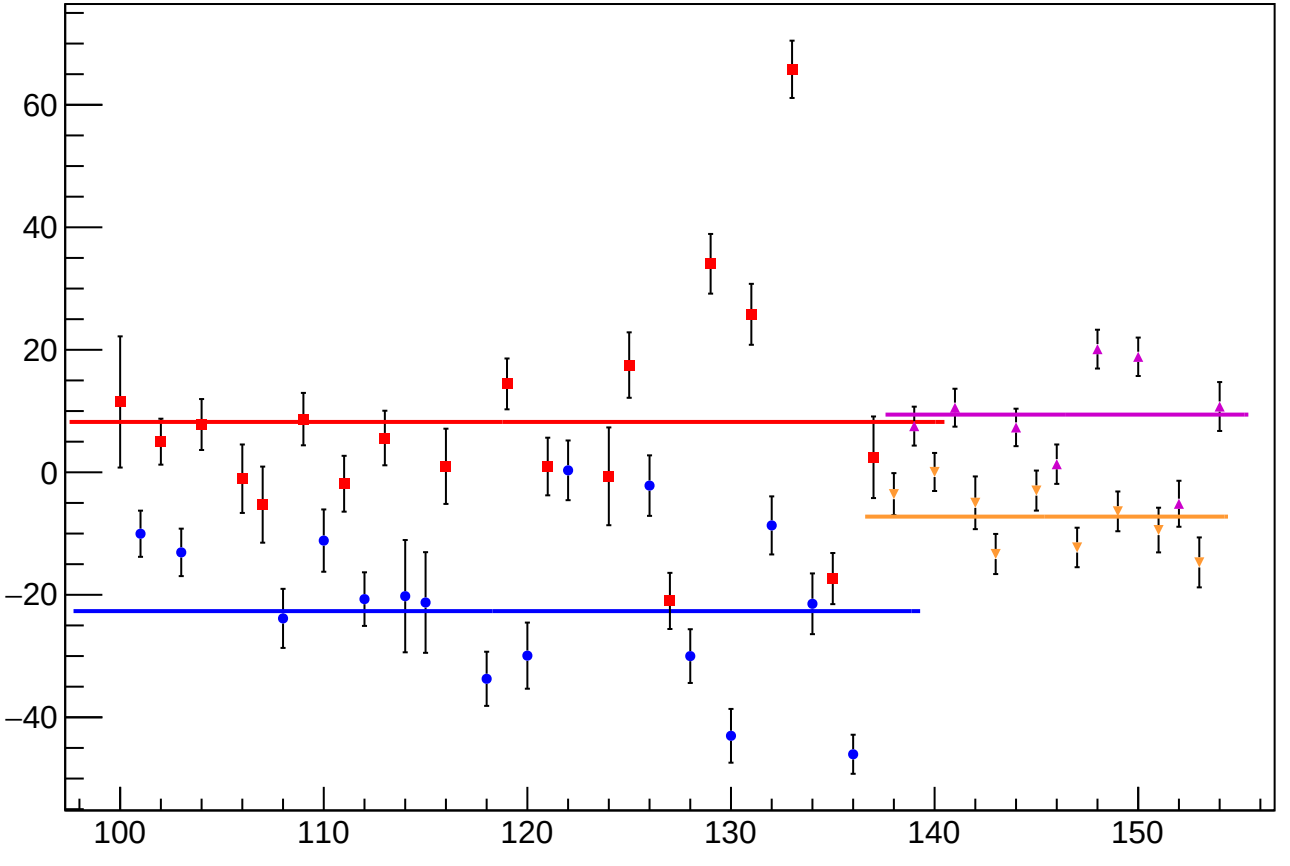
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1792.564+/-0.337 χ^2/NDF:124321.3/23

Out: 1781.285+/-0.332 χ^2/NDF:133222.4/27

All: 1786.829+/-0.236 χ^2/NDF: 258112.2/51

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: 9.420+/-1.161 χ^2/NDF:42.8/7

Left: 1.017+/-0.817 χ^2/NDF: 165.0/16

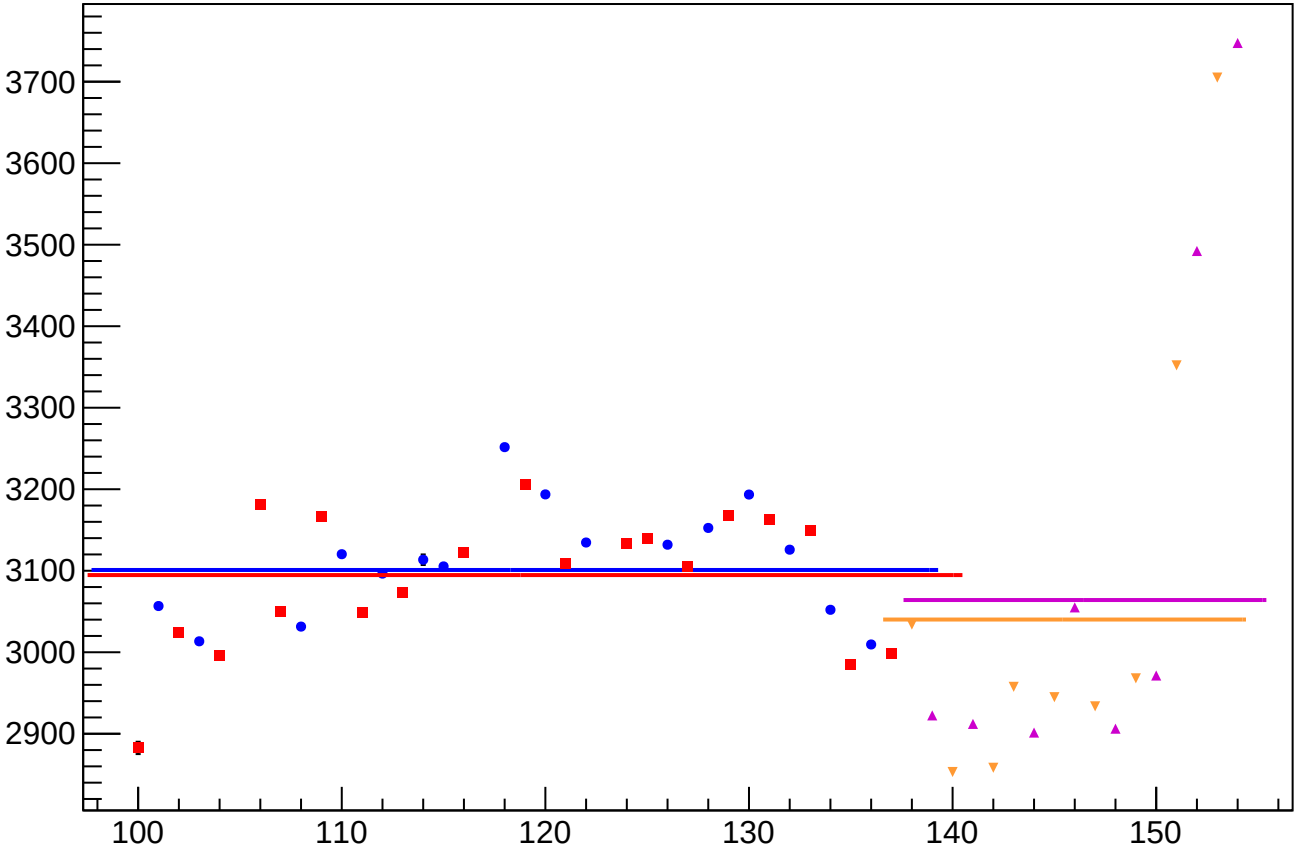
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -6.748+/-0.818 χ^2/NDF:584.8/23

Out: 0.642+/-0.806 χ^2/NDF:405.1/27

All: -2.998+/-0.574 χ^2/NDF: 1031.4/51

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: 3064.068+/-0.821 χ^2/NDF:105794.2/7

Left: 3051.995+/-0.578 χ^2/NDF: 190980.0/16

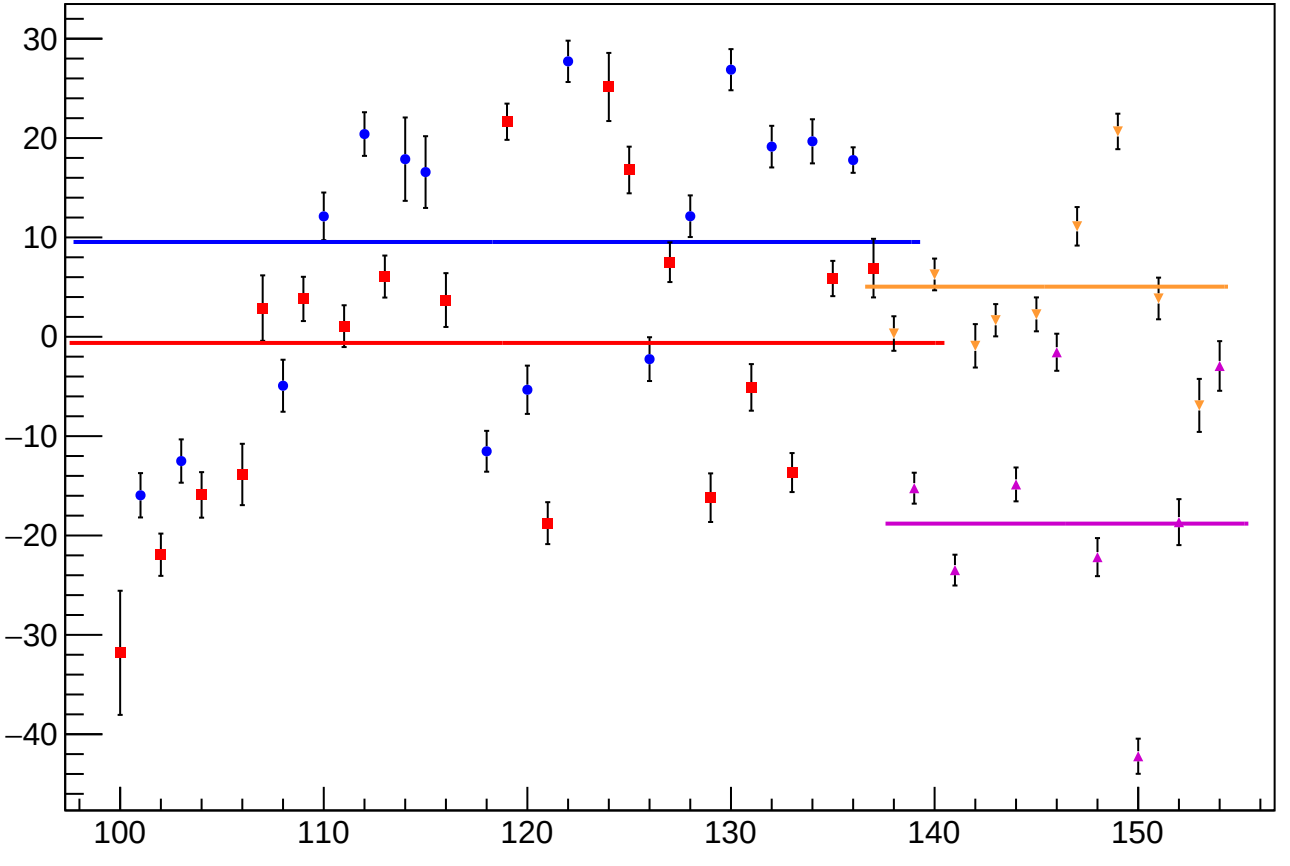
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3082.650+/-0.578 χ^2/NDF:114704.4/23

Out: 3067.934+/-0.570 χ^2/NDF:95632.4/27

All: 3075.183+/-0.406 χ^2/NDF: 210665.4/51

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: -18.804+/-0.646 χ^2/NDF:324.0/7

Left: -6.395+/-0.447 χ^2/NDF: 1163.2/16

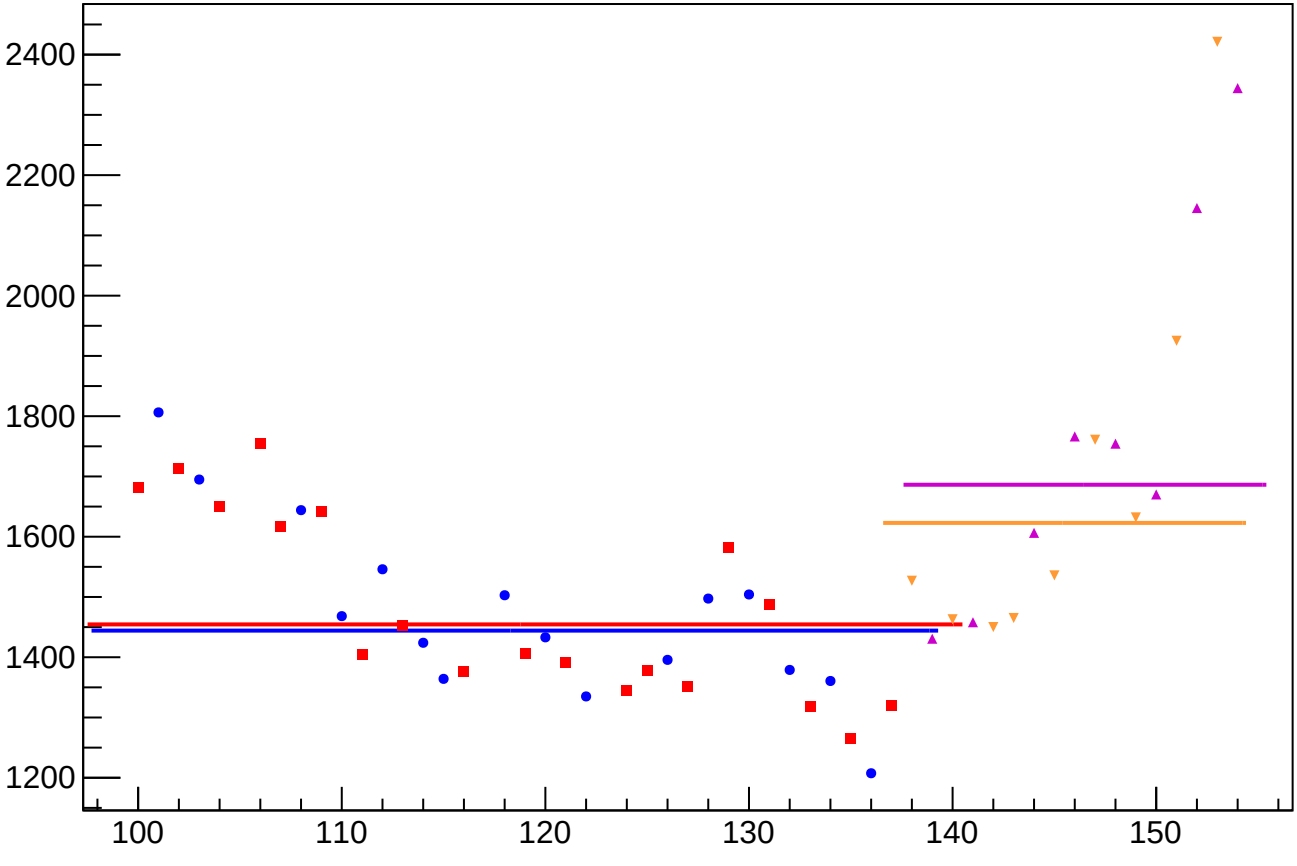
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.161+/-0.415 χ^2/NDF:2154.7/23

Out: 1.794+/-0.405 χ^2/NDF:842.8/27

All: -0.134+/-0.290 χ^2/NDF: 3044.1/51

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: 1686.243+/-0.456 χ^2/NDF:325510.7/7

Left: 1653.295+/-0.316 χ^2/NDF: 629064.2/16

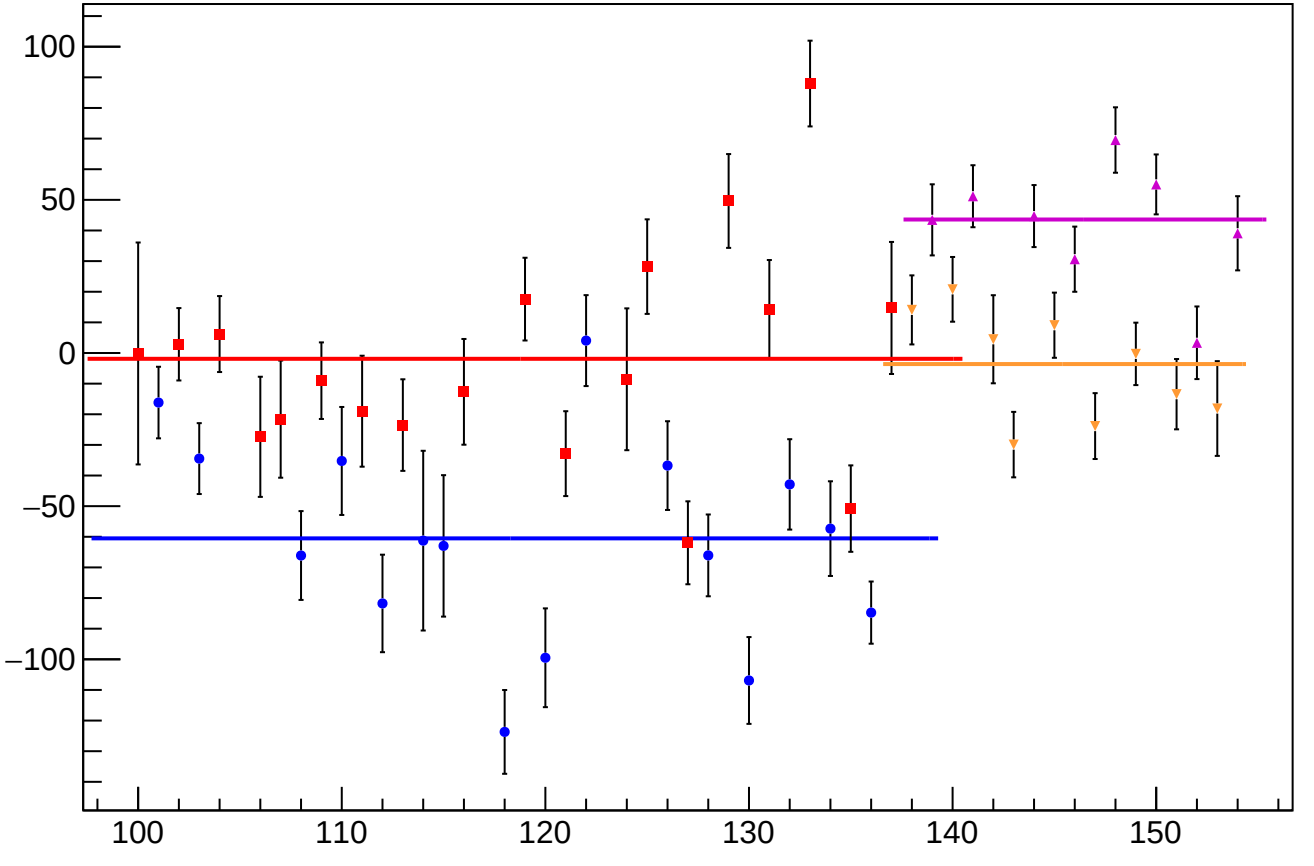
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1544.112+/-0.293 χ^2/NDF:670754.1/23

Out: 1526.252+/-0.286 χ^2/NDF:521087.5/27

All: 1534.960+/-0.205 χ^2/NDF: 1193741.6/51

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: 43.584+/-3.809 χ^2/NDF:21.0/7

Left: 19.923+/-2.690 χ^2/NDF: 118.8/16

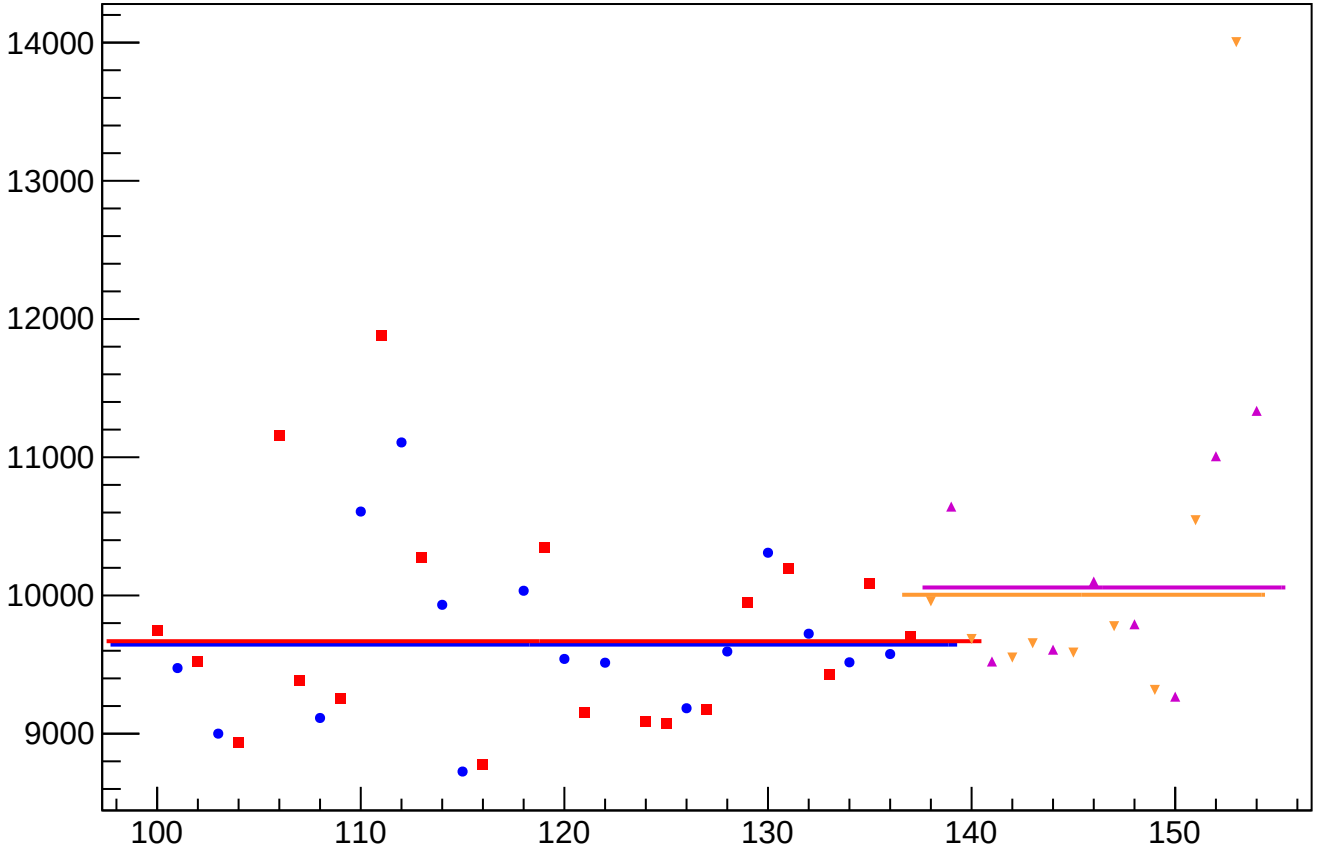
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -11.453+/-2.615 χ^2/NDF:506.3/23

Out: -2.692+/-2.591 χ^2/NDF:124.8/27

All: -7.032+/-1.840 χ^2/NDF: 636.7/51

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: 10057.825+/-2.693 χ^2/NDF:64056.4/7

Left: 10031.391+/-1.902 χ^2/NDF: 221457.6/16

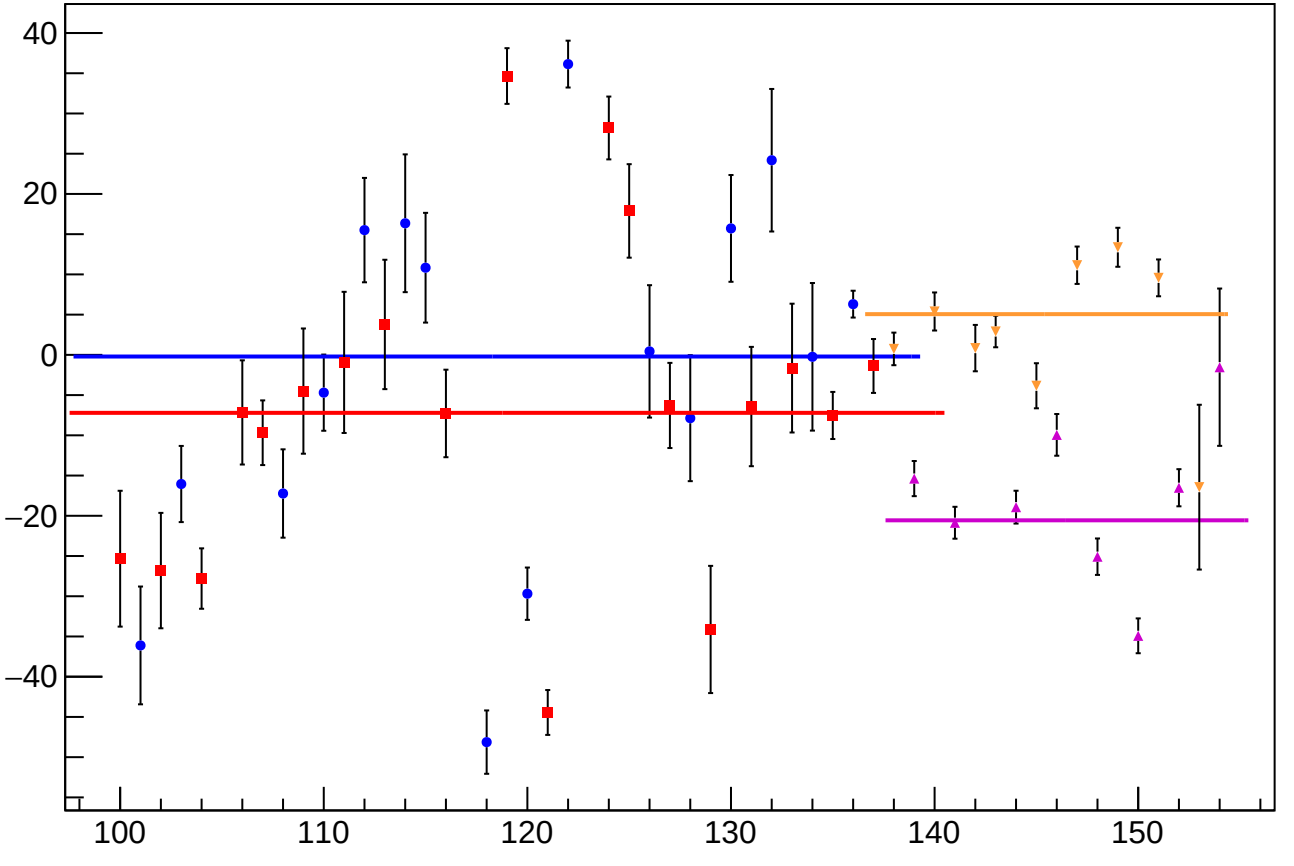
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9839.248+/-1.849 χ^2/NDF:120615.5/23

Out: 9825.433+/-1.832 χ^2/NDF:245454.2/27

All: 9832.276+/-1.301 χ^2/NDF: 366098.0/51

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: -20.564+/-0.828 χ^2/NDF:77.9/7

Left: -7.638+/-0.583 χ^2/NDF: 606.4/16

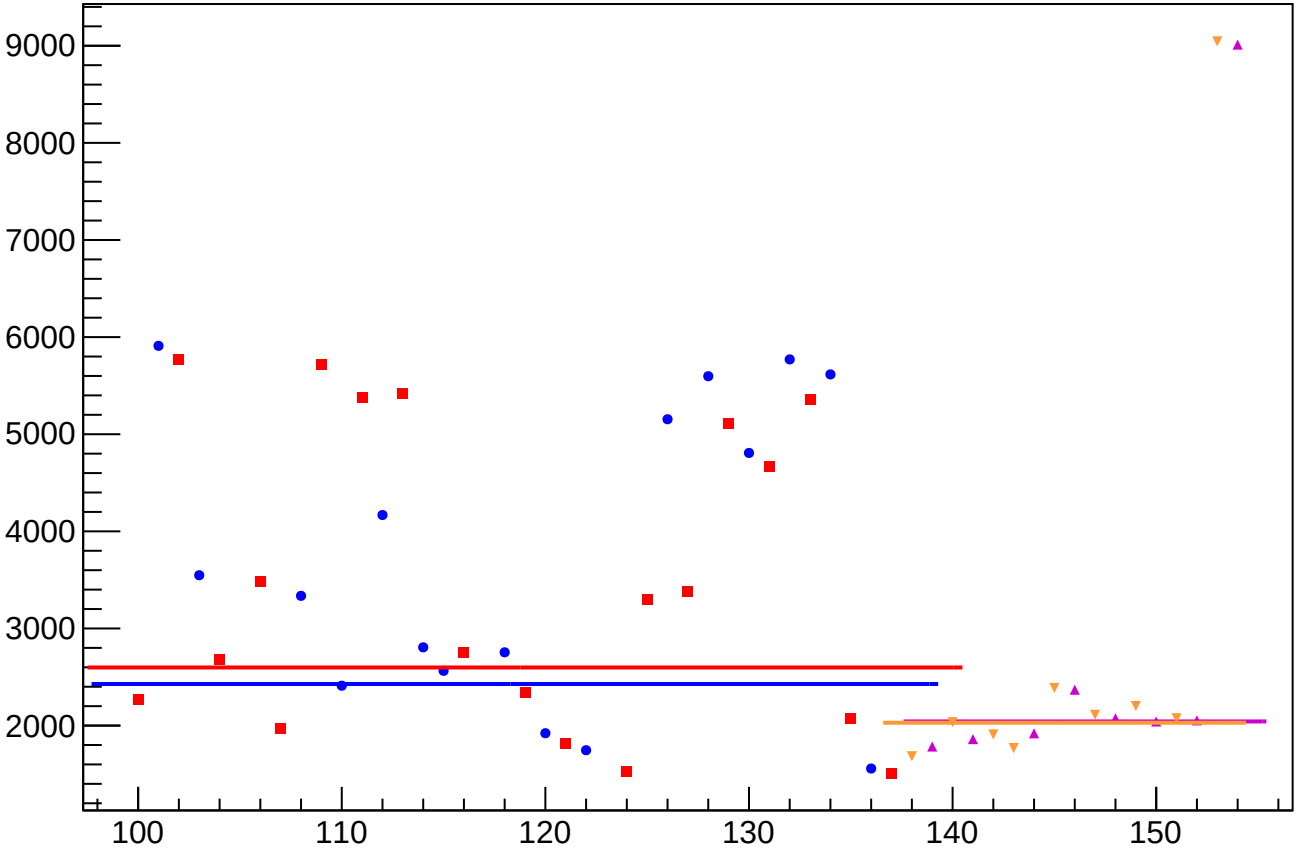
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -12.720+/-0.649 χ^2/NDF:784.7/23

Out: 0.539+/-0.652 χ^2/NDF:613.0/27

All: -6.120+/-0.460 χ^2/NDF: 1605.5/51

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: 2042.693+/-0.585 χ^2/NDF:1100605.6/7

Left: 2036.075+/-0.412 χ^2/NDF: 2182452.9/16

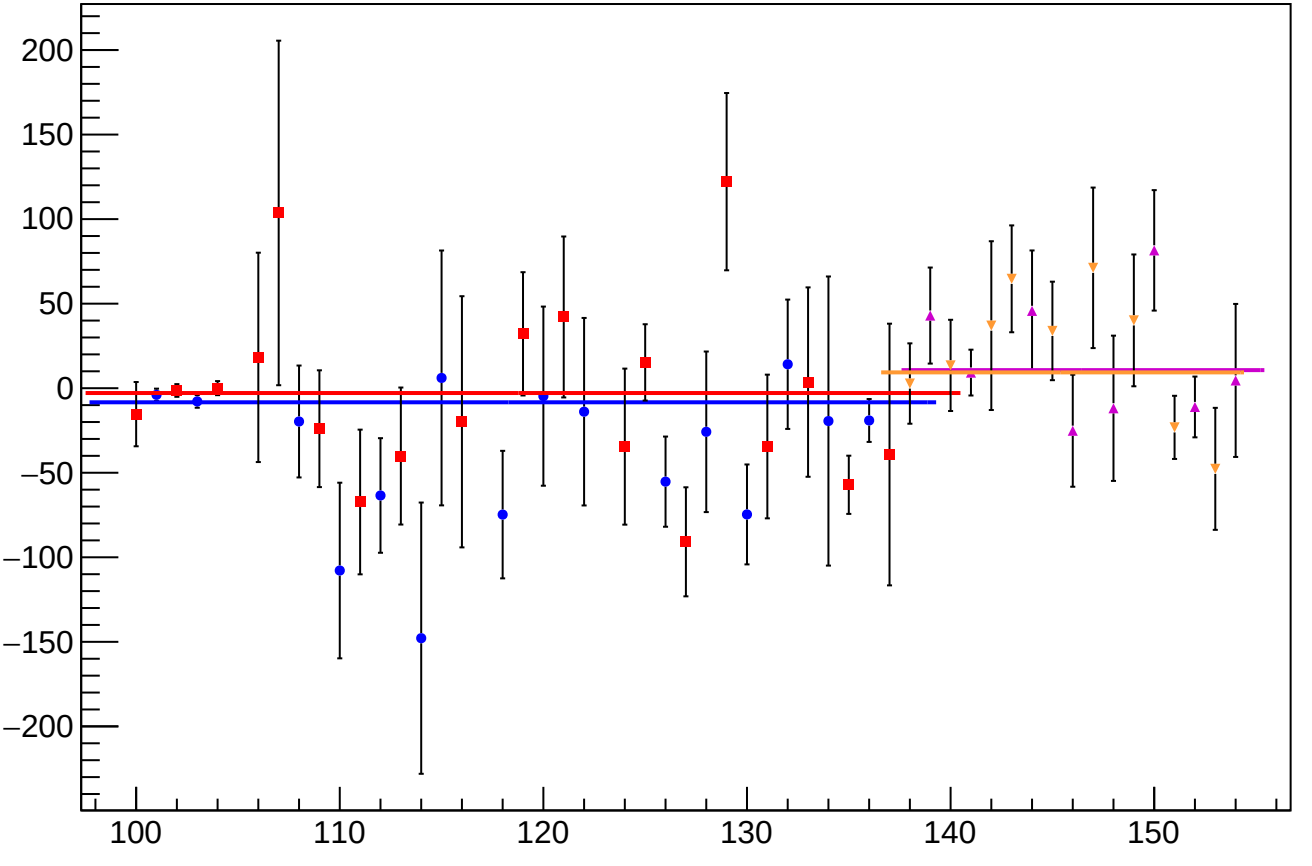
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2191.195+/-0.459 χ^2/NDF:4083026.2/23

Out: 2239.229+/-0.461 χ^2/NDF:3950890.8/27

All: 2215.104+/-0.325 χ^2/NDF: 8039371.6/51

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: 10.693+/-8.672 χ^2/NDF:9.2/7

Left: 10.105+/-6.487 χ^2/NDF: 21.2/16

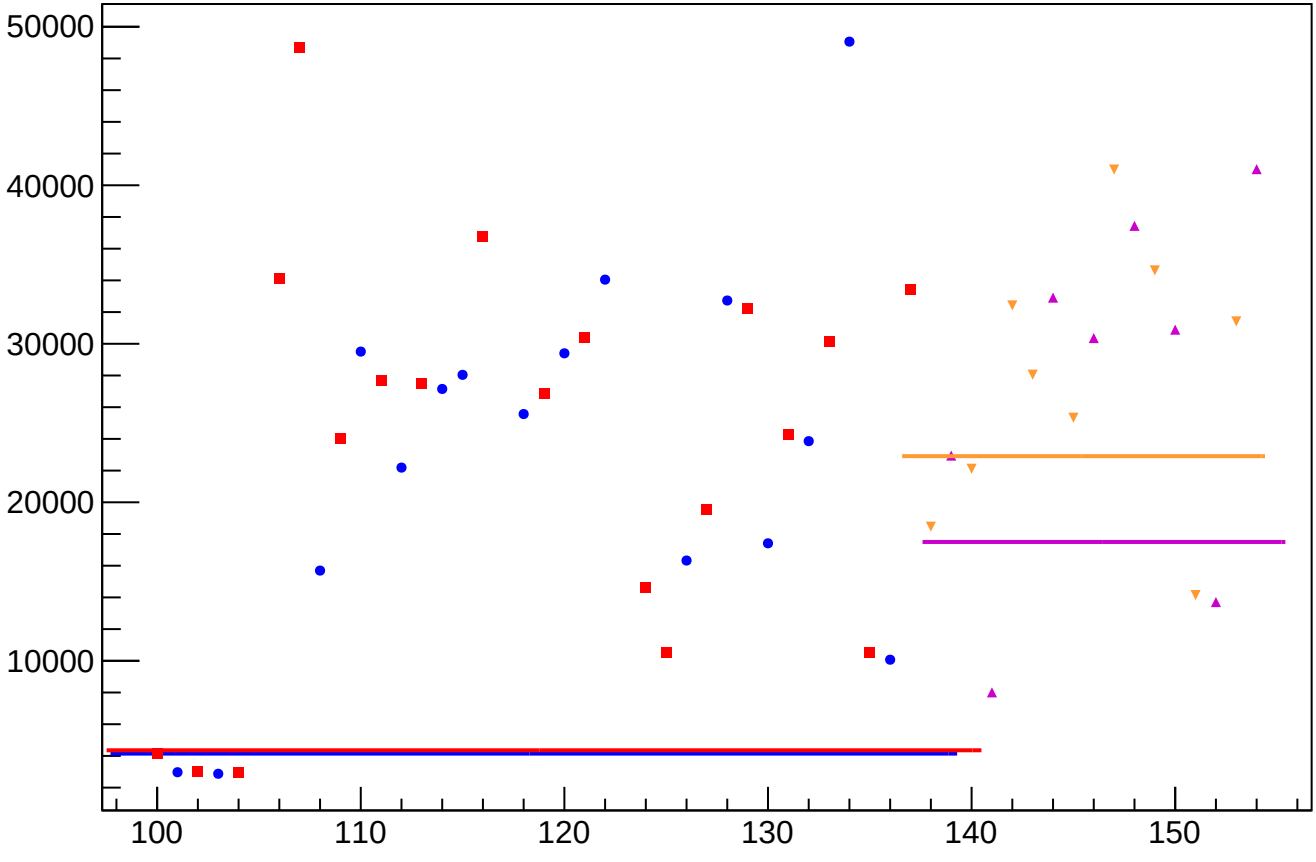
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.873+/-2.402 χ^2/NDF:37.0/23

Out: -2.019+/-2.548 χ^2/NDF:46.1/27

All: -4.590+/-1.748 χ^2/NDF: 85.0/51

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: 17497.889+/-6.132 χ^2/NDF:3071425.7/7

Left: 19881.505+/-4.587 χ^2/NDF: 4648297.8/16

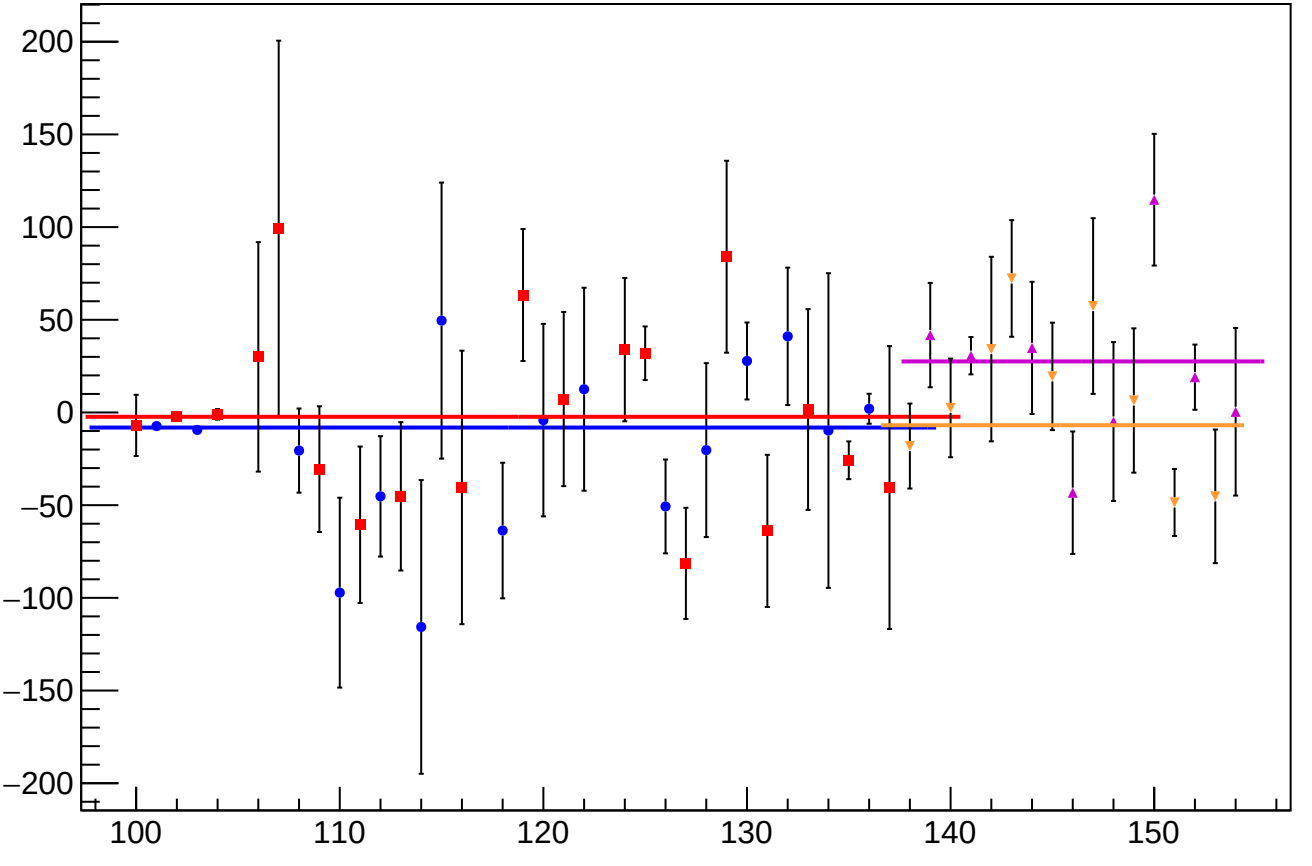
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5169.804+/-1.698 χ^2/NDF:14285824.9/23

Out: 5615.354+/-1.802 χ^2/NDF:15574922.5/27

All: 5379.387+/-1.236 χ^2/NDF: 29893127.2/5

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: 27.532+/-7.474 χ^2/NDF:12.2/7

Left: 14.536+/-5.896 χ^2/NDF: 36.8/16

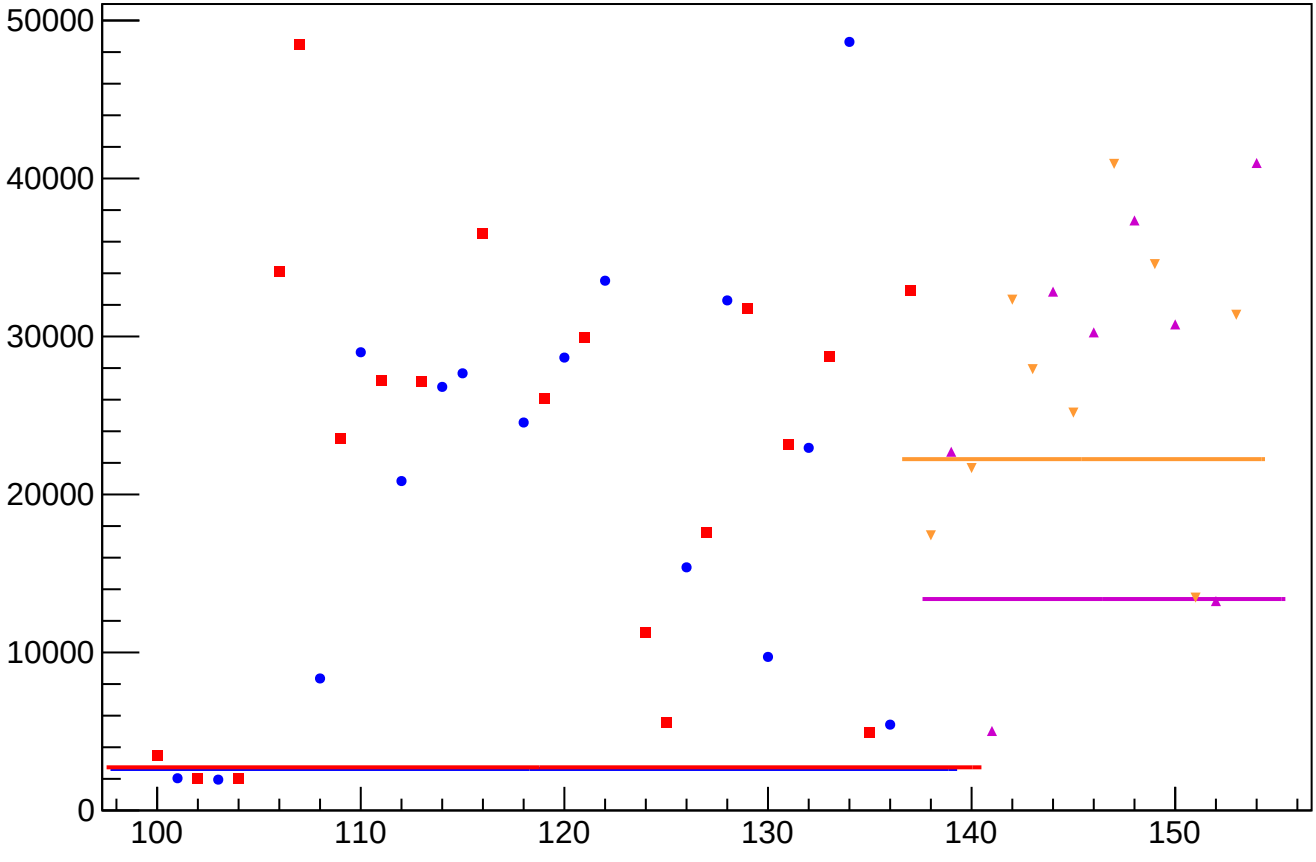
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.338+/-1.677 χ^2/NDF:52.9/23

Out: -2.483+/-1.790 χ^2/NDF:49.9/27

All: -4.536+/-1.224 χ^2/NDF: 105.3/51

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: 13381.909+/-5.285 χ^2/NDF:4563784.6/7

Left: 16725.306+/-4.169 χ^2/NDF: 6992844.3/16

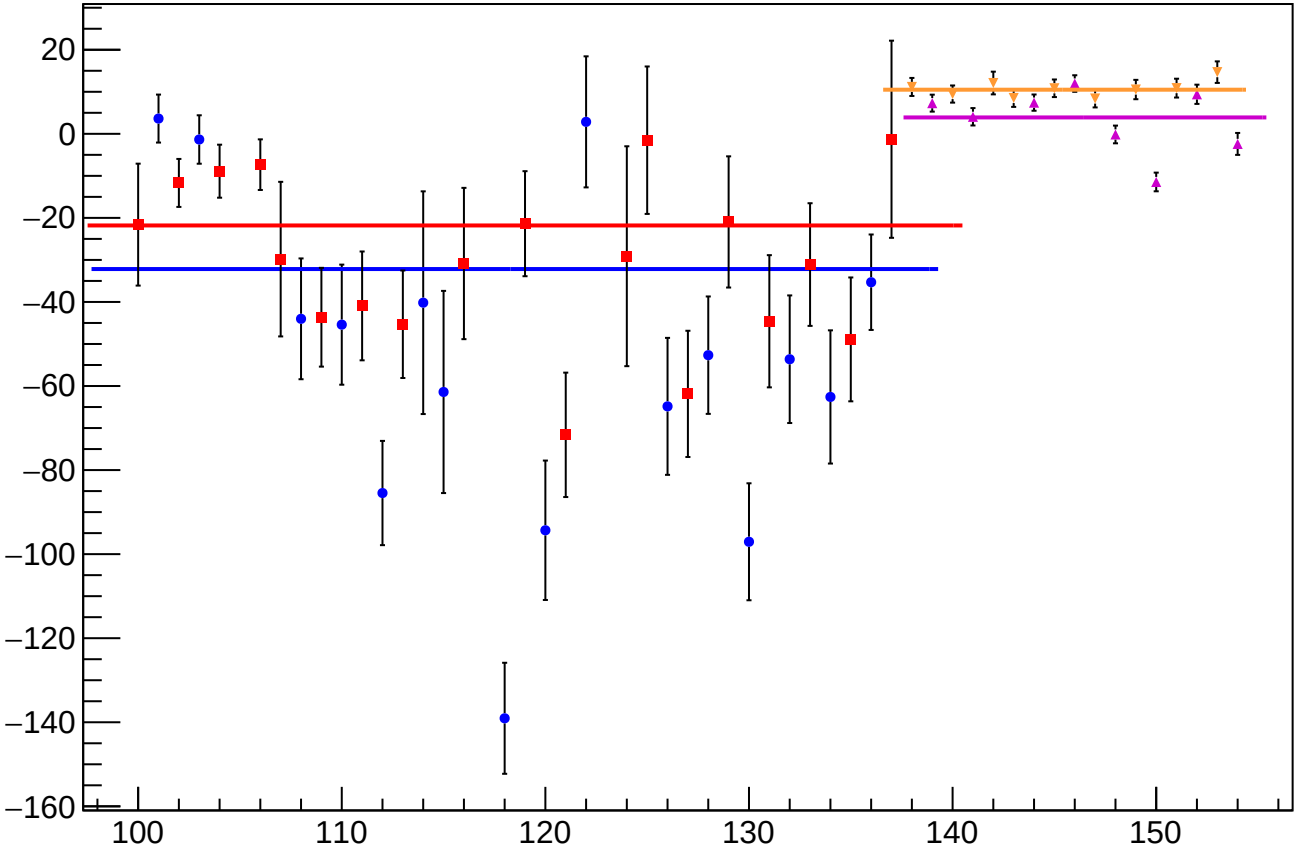
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3167.628+/-1.185 χ^2/NDF:15278014.7/23

Out: 3408.771+/-1.266 χ^2/NDF:17332137.6/27

All: 3280.336+/-0.865 χ^2/NDF: 32629491.0/5

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: 3.900+/-0.752 χ^2/NDF:86.0/7

Left: 7.234+/-0.529 χ^2/NDF: 130.2/16

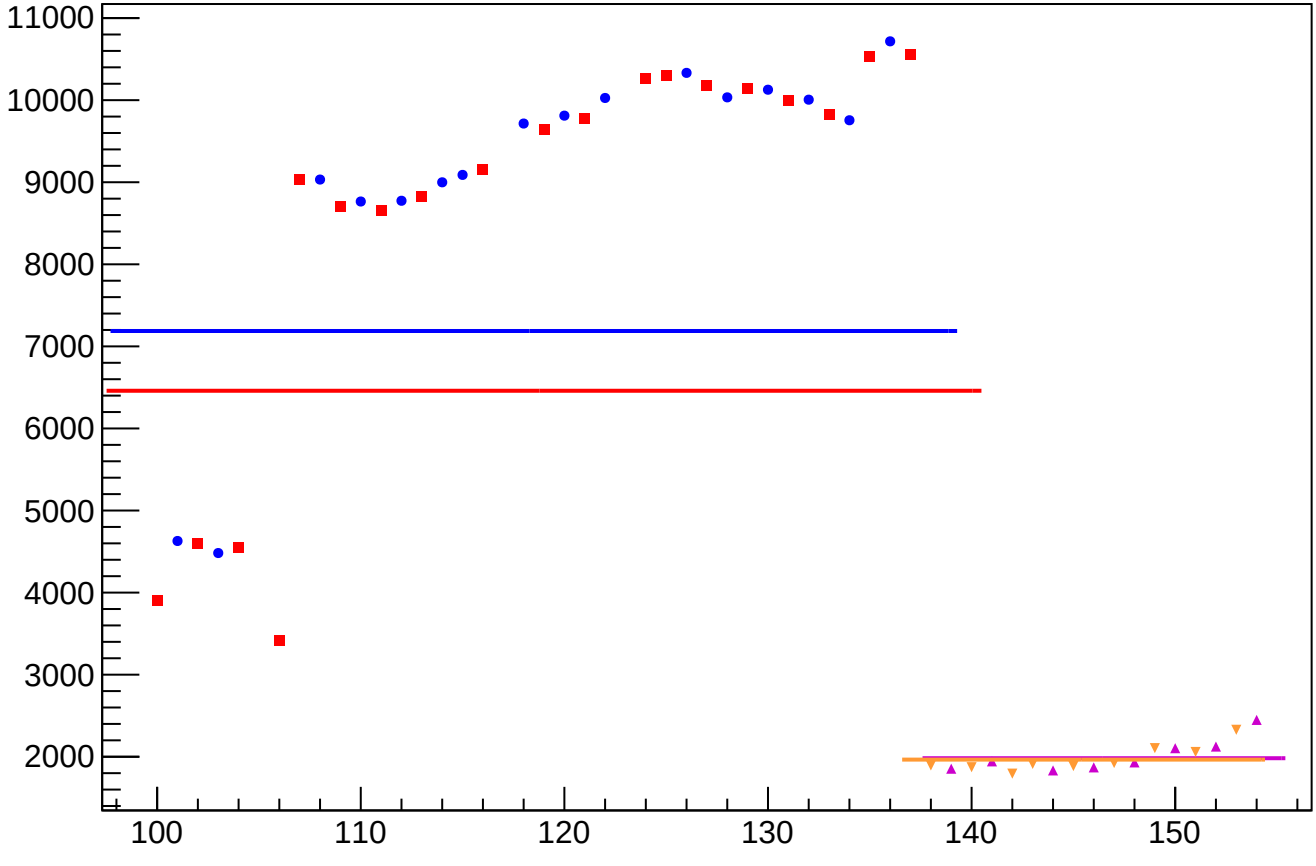
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.542+/-0.727 χ^2/NDF:444.3/23

Out: 7.980+/-0.714 χ^2/NDF:201.4/27

All: 4.817+/-0.509 χ^2/NDF: 685.7/51

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: 1982.179+/-0.531 χ^2/NDF:105808.2/7

Left: 1973.594+/-0.374 χ^2/NDF: 176491.4/16

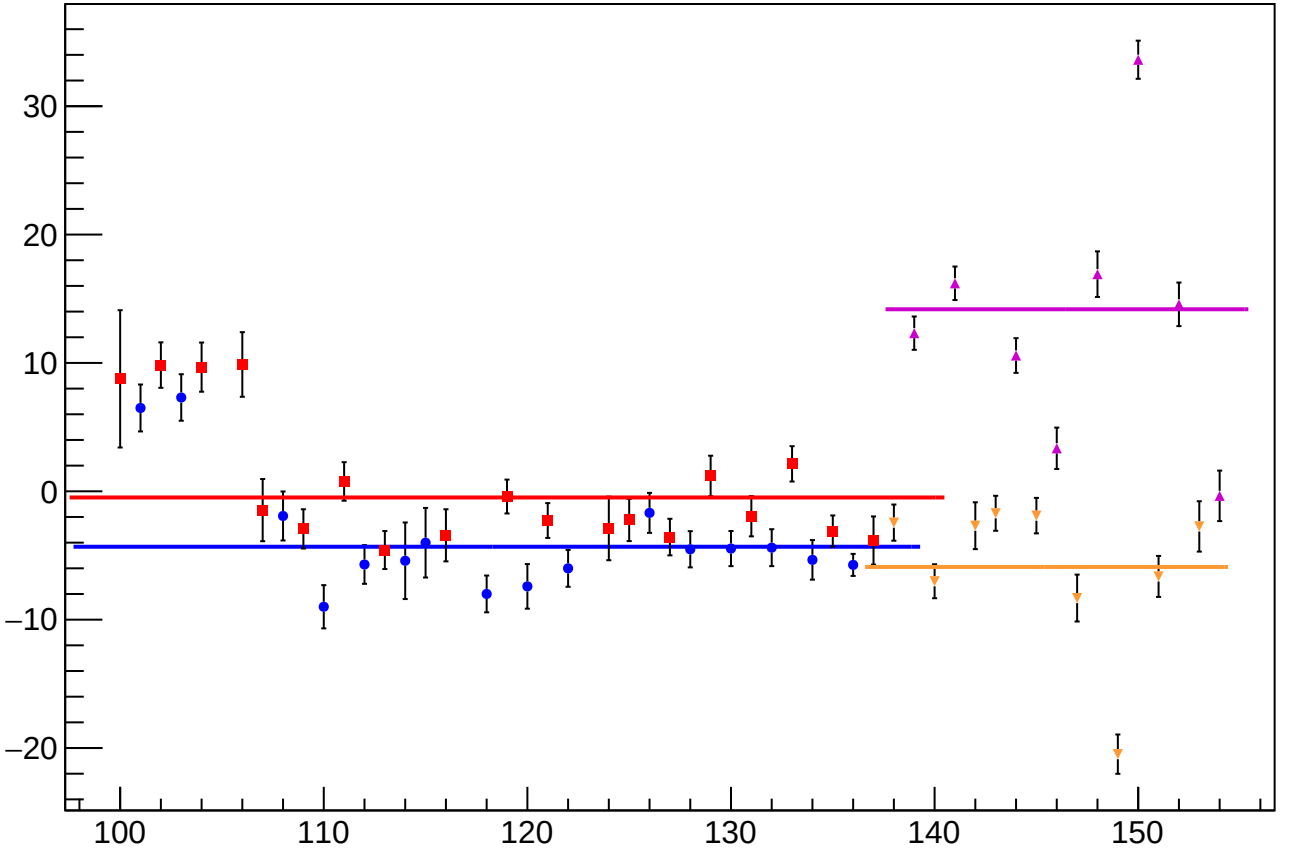
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2322.499+/-0.514 χ^2/NDF:8083247.4/23

Out: 2315.588+/-0.505 χ^2/NDF:8041523.0/27

All: 2318.983+/-0.360 χ^2/NDF: 16124862.4/5

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: 14.181+/-0.535 χ^2/NDF:285.0/7

Left: 3.695+/-0.370 χ^2/NDF: 1142.3/16

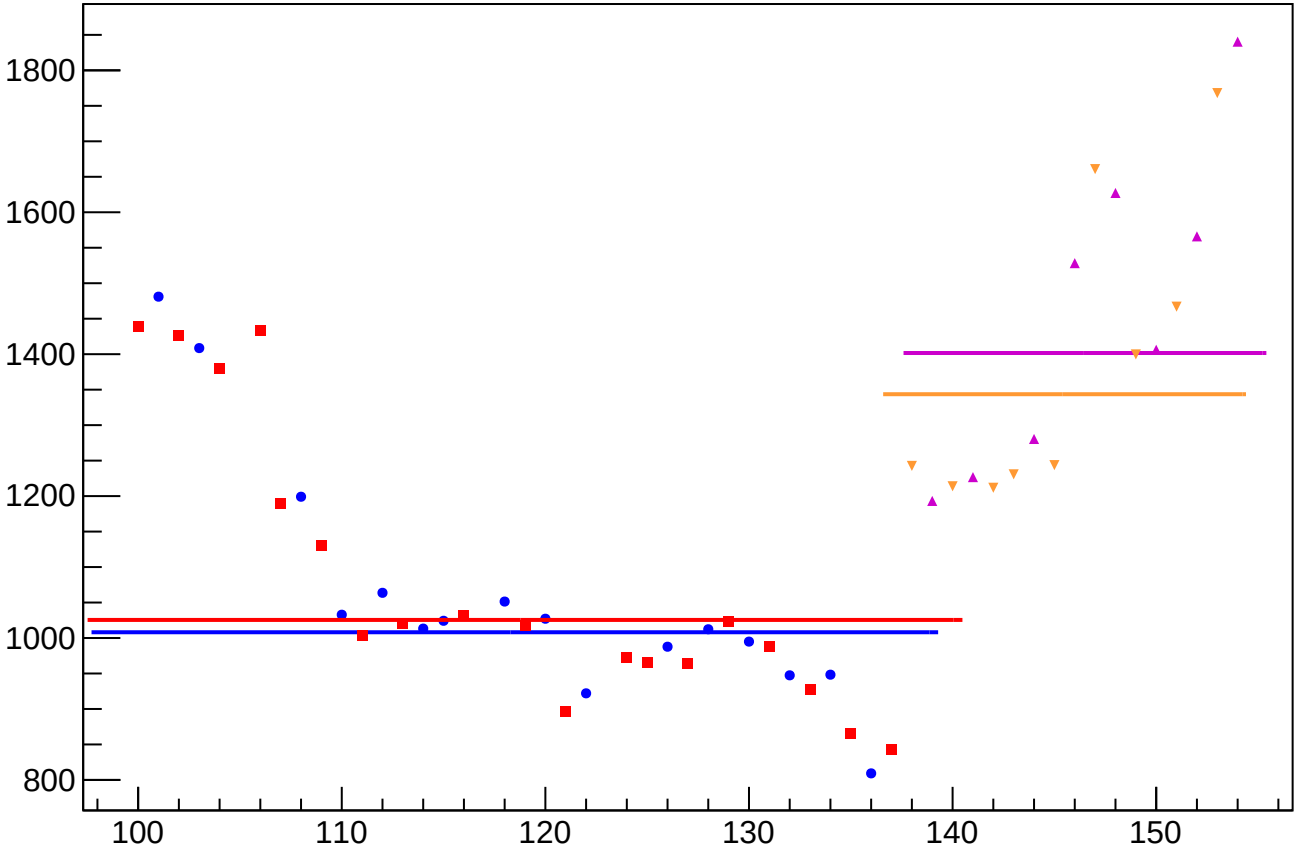
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.873+/-0.310 χ^2/NDF:1183.0/23

Out: -2.395+/-0.304 χ^2/NDF:312.3/27

All: -0.298+/-0.217 χ^2/NDF: 1591.9/51

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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: 1401.663+/-0.379 χ^2/NDF:266441.2/7

Left: 1371.325+/-0.262 χ^2/NDF: 511423.8/16

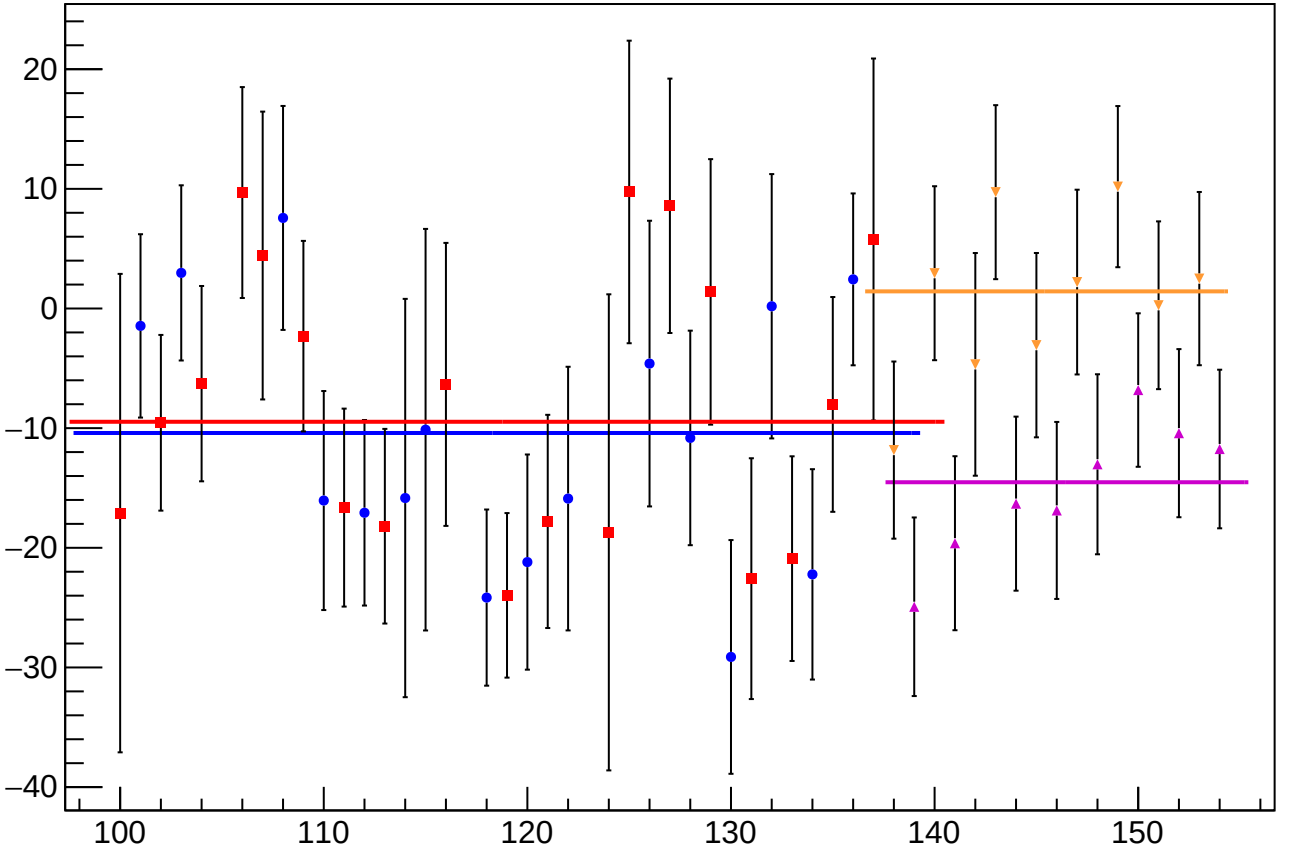
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1139.836+/-0.219 χ^2/NDF:1364226.8/23

Out: 1137.961+/-0.215 χ^2/NDF:1077740.6/27

All: 1138.882+/-0.154 χ^2/NDF: 2442004.7/51

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: -14.520+/-2.507 χ^2/NDF:4.6/7

Left: -6.453+/-1.763 χ^2/NDF: 32.1/16

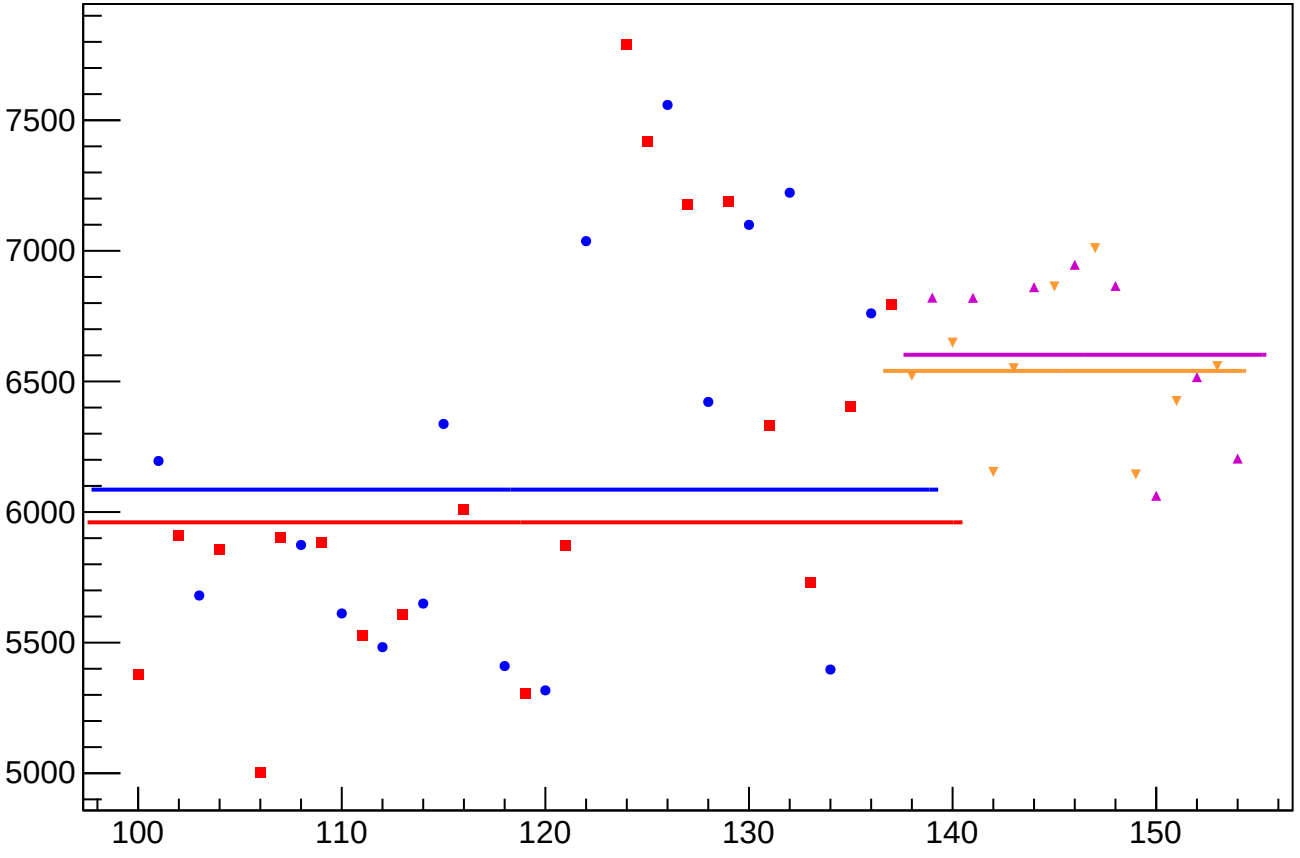
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.267+/-1.687 χ^2/NDF:30.7/23

Out: -4.687+/-1.642 χ^2/NDF:43.3/27

All: -8.374+/-1.176 χ^2/NDF: 84.4/51

diff_bpm0l05X_rms vs Slug, Sign Corrected



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: 6602.136+/-1.773 χ^2/NDF:34498.0/7

Left: 6570.910+/-1.247 χ^2/NDF: 57435.9/16

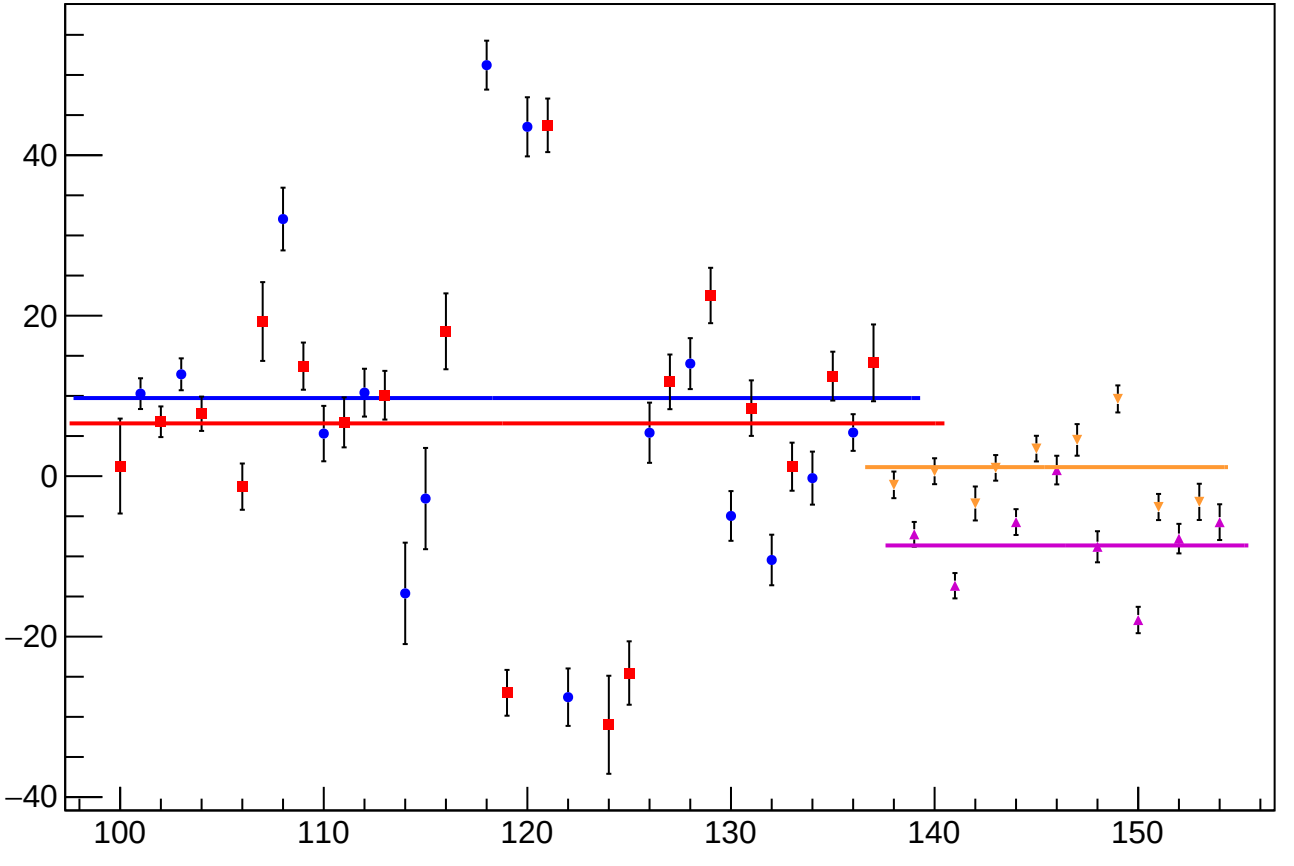
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6319.535+/-1.193 χ^2/NDF:260027.1/23

Out: 6214.872+/-1.161 χ^2/NDF:246518.7/27

All: 6265.781+/-0.832 χ^2/NDF: 510500.0/51

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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: -8.637+/-0.614 χ^2/NDF:75.8/7

Left: -3.511+/-0.423 χ^2/NDF: 258.7/16

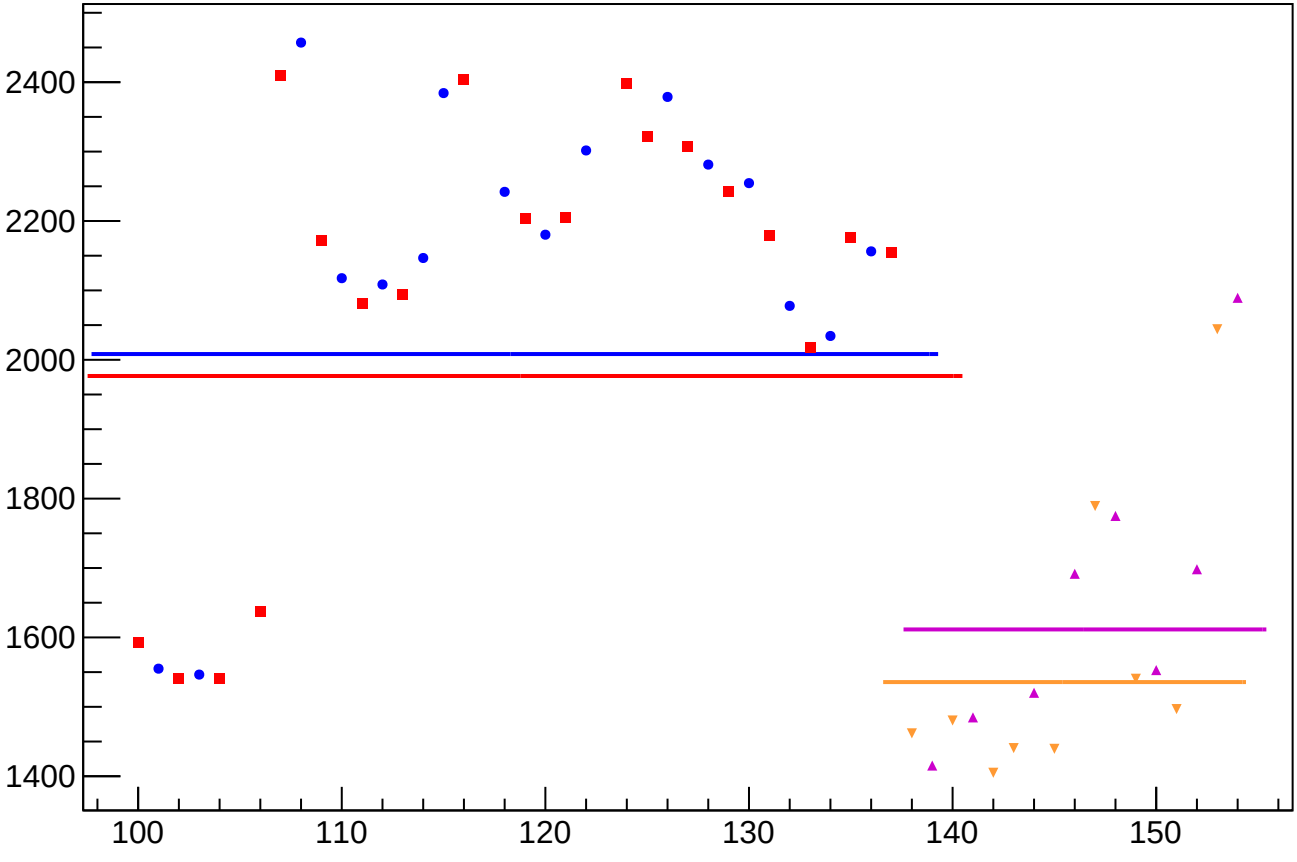
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.330+/-0.476 χ^2/NDF:944.7/23

Out: 3.249+/-0.456 χ^2/NDF:507.7/27

All: 1.059+/-0.329 χ^2/NDF: 1500.7/51

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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: 1611.503+/-0.434 χ^2/NDF:168991.5/7

Left: 1571.678+/-0.299 χ^2/NDF: 349184.4/16

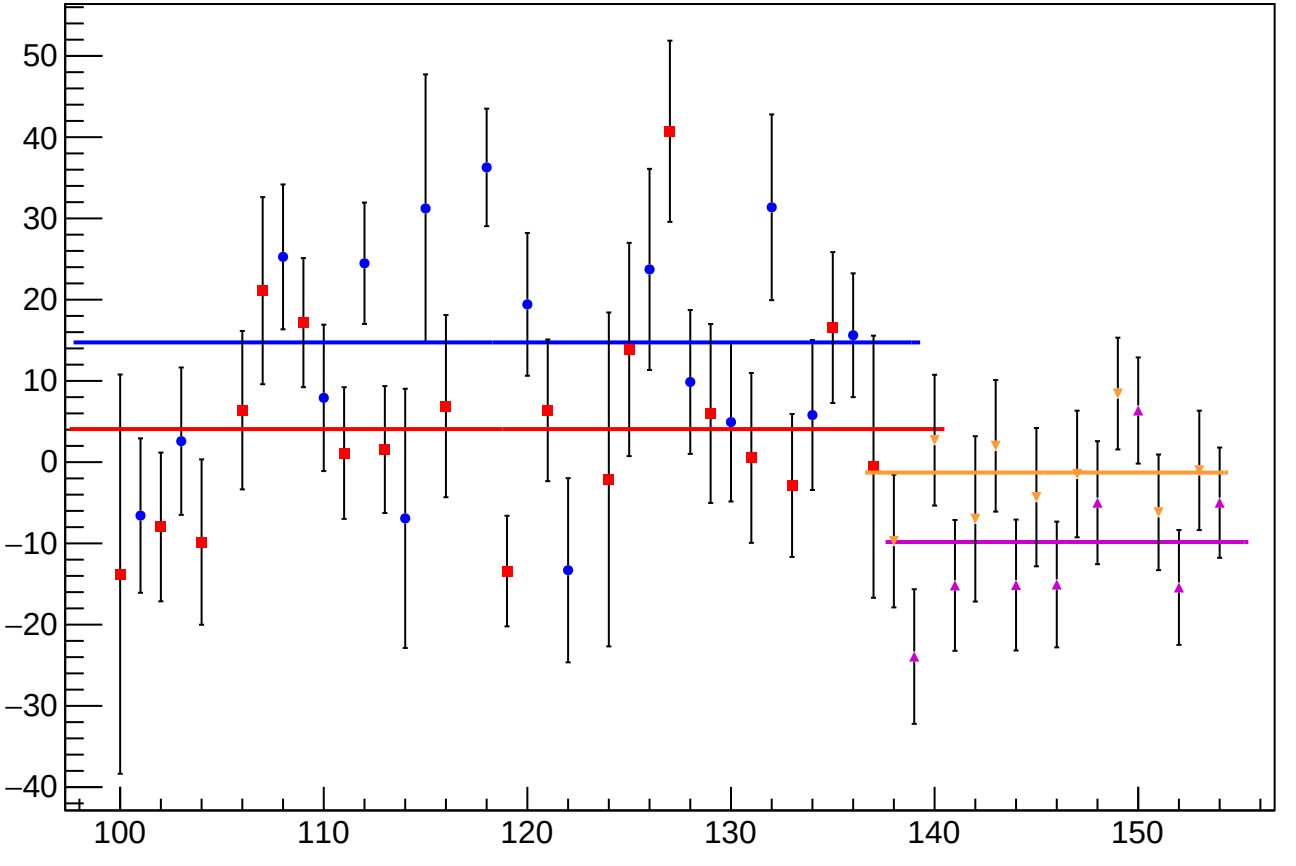
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1769.345+/-0.337 χ^2/NDF:846111.7/23

Out: 1707.484+/-0.322 χ^2/NDF:974674.2/27

All: 1737.069+/-0.233 χ^2/NDF: 1838400.3/51

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: -9.827+/-2.629 χ^2/NDF:11.9/7

Left: -5.551+/-1.858 χ^2/NDF: 21.6/16

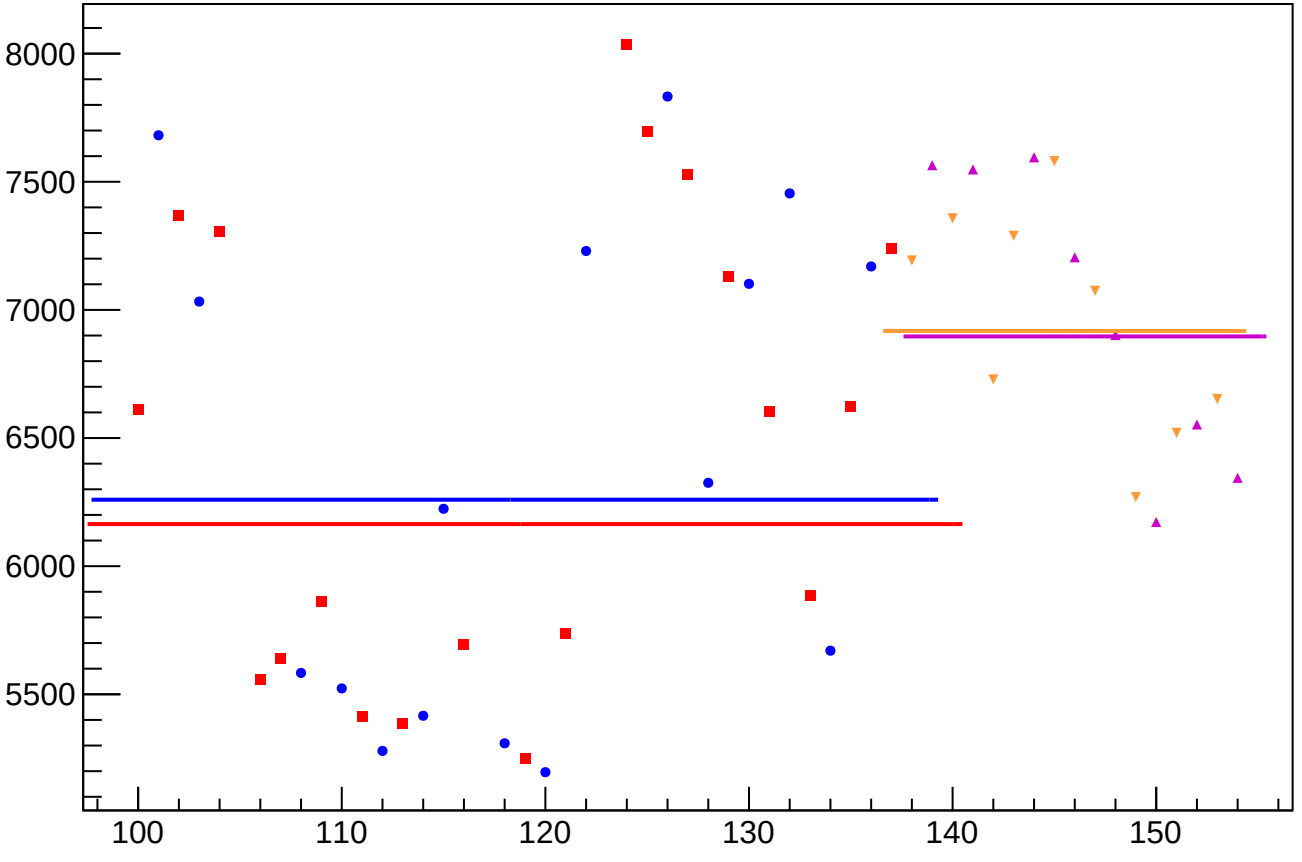
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 3.790+/-1.755 χ^2/NDF:93.8/23

Out: 1.777+/-1.719 χ^2/NDF:36.9/27

All: 2.763+/-1.228 χ^2/NDF: 131.4/51

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: 6896.409+/-1.859 χ^2/NDF:86833.6/7

Left: 6907.177+/-1.314 χ^2/NDF: 139586.3/16

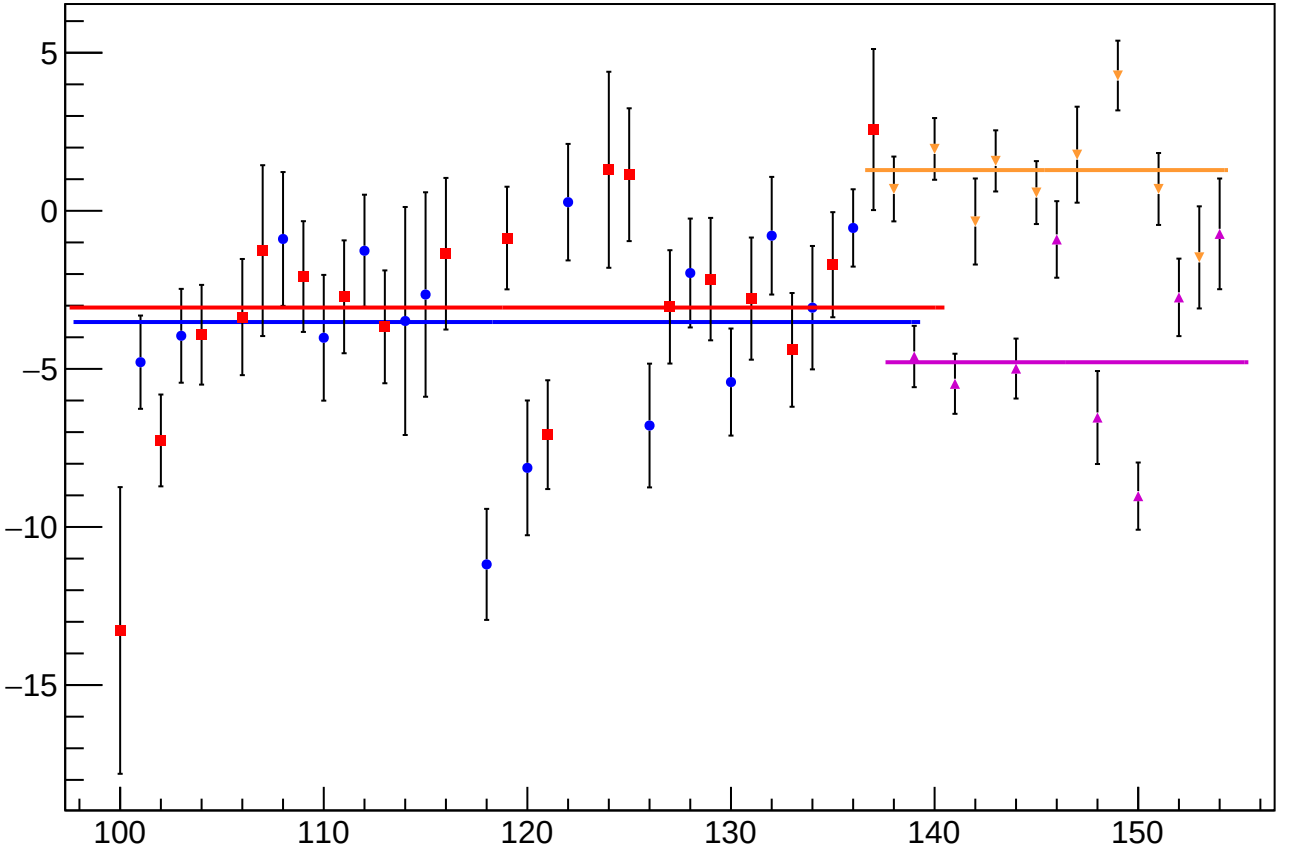
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6543.316+/-1.241 χ^2/NDF:460510.3/23

Out: 6487.061+/-1.216 χ^2/NDF:411908.3/27

All: 6514.601+/-0.868 χ^2/NDF: 873467.1/51

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: -4.790+/-0.398 χ^2/NDF:36.3/7

Left: -1.585+/-0.274 χ^2/NDF: 172.6/16

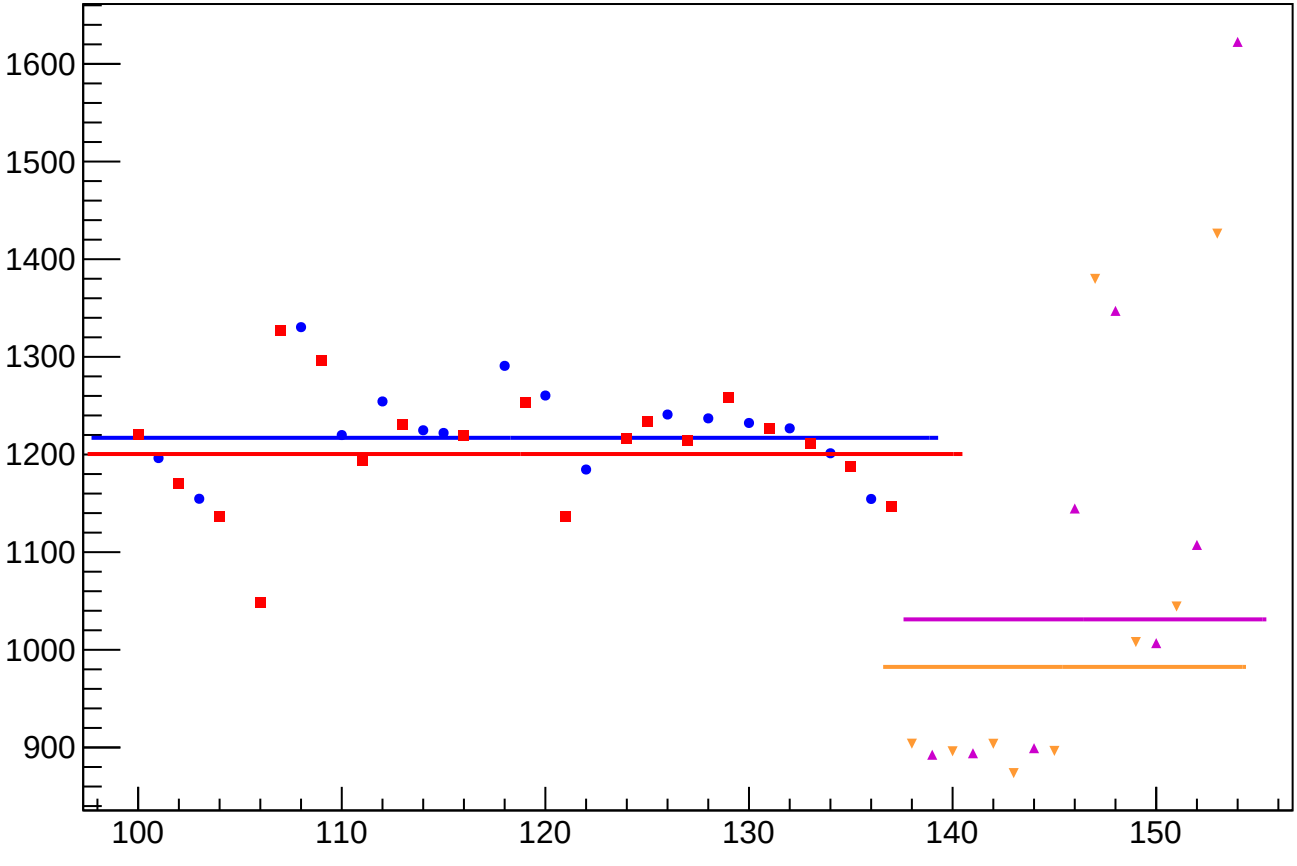
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -4.234+/-0.299 χ^2/NDF:85.9/23

Out: -0.561+/-0.286 χ^2/NDF:104.8/27

All: -2.315+/-0.207 χ^2/NDF: 269.6/51

diff_bpm0l06Y_rms vs Slug, Sign Corrected



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: 1031.173+/-0.282 χ^2/NDF:468009.0/7

Left: 1005.510+/-0.194 χ^2/NDF: 853087.1/16

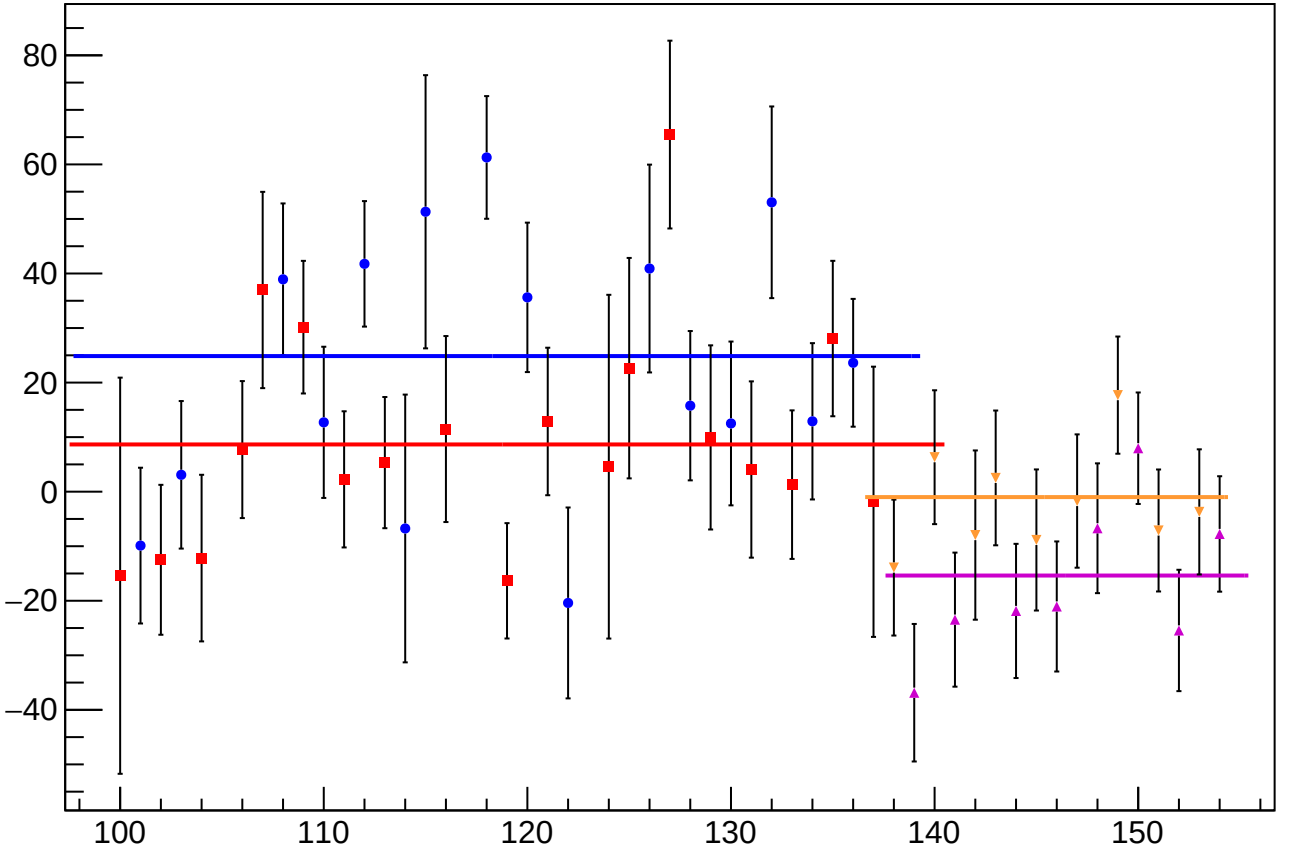
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1112.352+/-0.211 χ^2/NDF:679985.2/23

Out: 1075.218+/-0.202 χ^2/NDF:691248.2/27

All: 1092.955+/-0.146 χ^2/NDF: 1387353.1/51

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: -15.376+/-4.076 χ^2/NDF:10.9/7

Left: -8.154+/-2.876 χ^2/NDF: 22.7/16

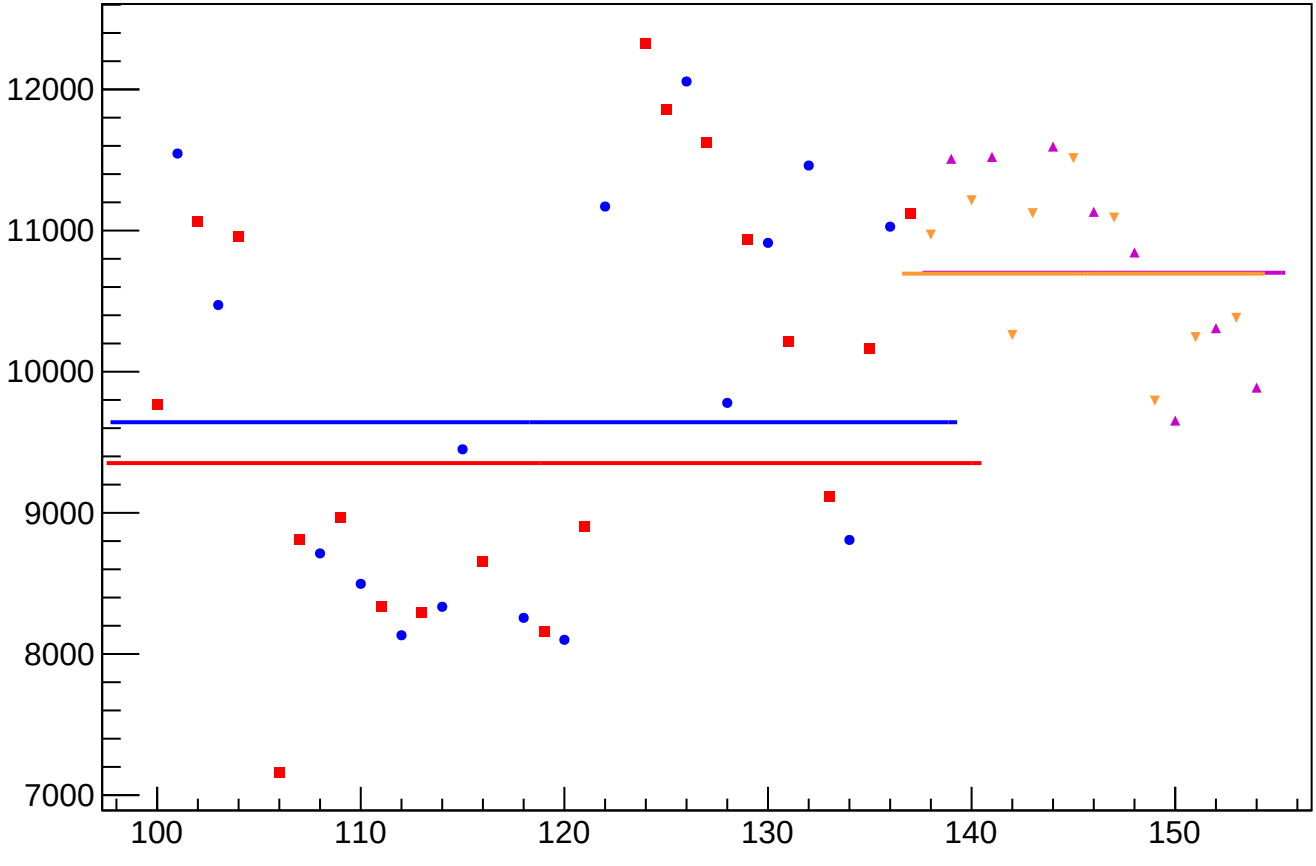
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 7.072+/-2.710 χ^2/NDF:103.4/23

Out: 4.604+/-2.630 χ^2/NDF:38.9/27

All: 5.801+/-1.887 χ^2/NDF: 142.8/51

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: 10701.300+/-2.882 χ^2/NDF:65935.1/7

Left: 10698.074+/-2.033 χ^2/NDF: 103348.8/16

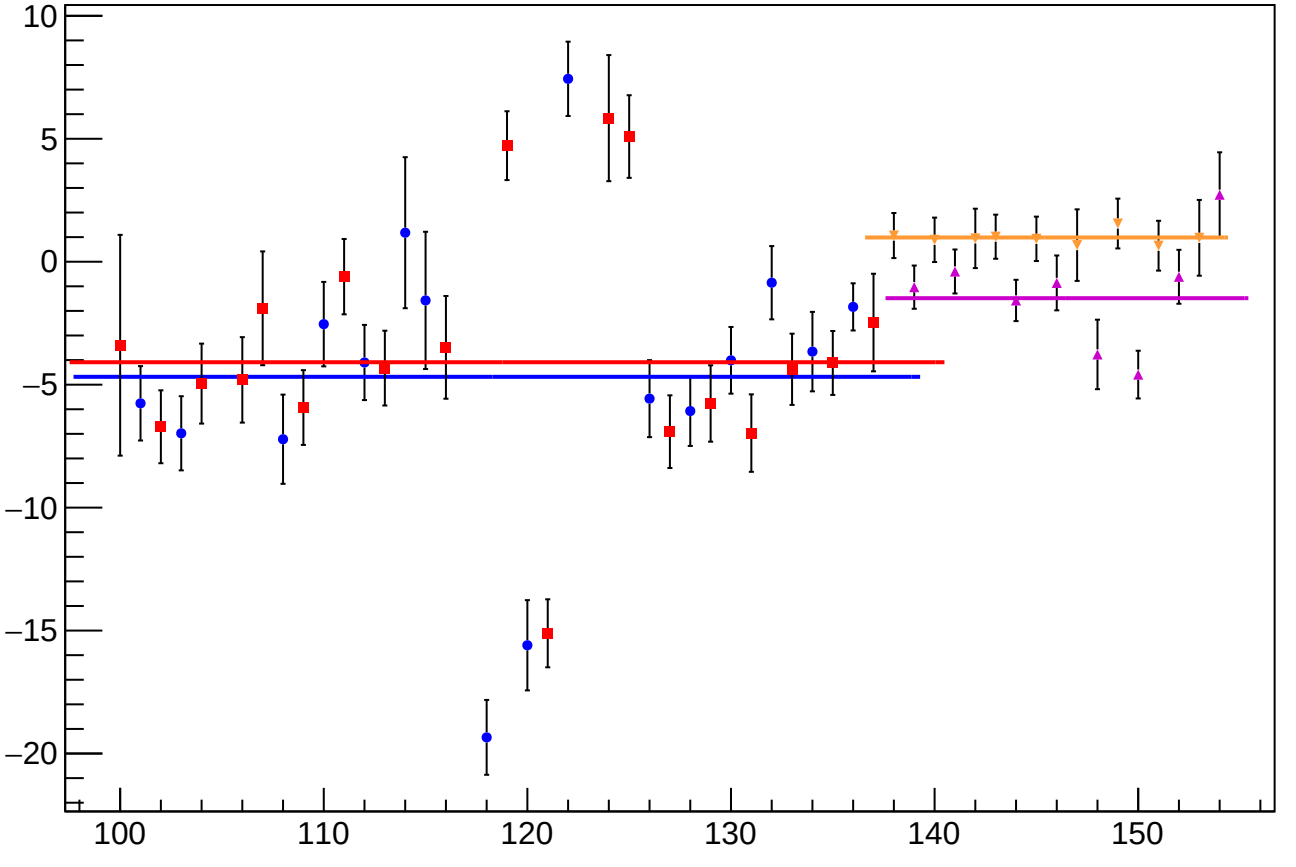
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10110.350+/-1.916 χ^2/NDF:420961.8/23

Out: 9916.367+/-1.860 χ^2/NDF:466104.1/27

All: 10010.464+/-1.335 χ^2/NDF: 892343.3/51

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: -1.483+/-0.365 χ^2/NDF:21.5/7

Left: -0.177+/-0.251 χ^2/NDF: 46.2/16

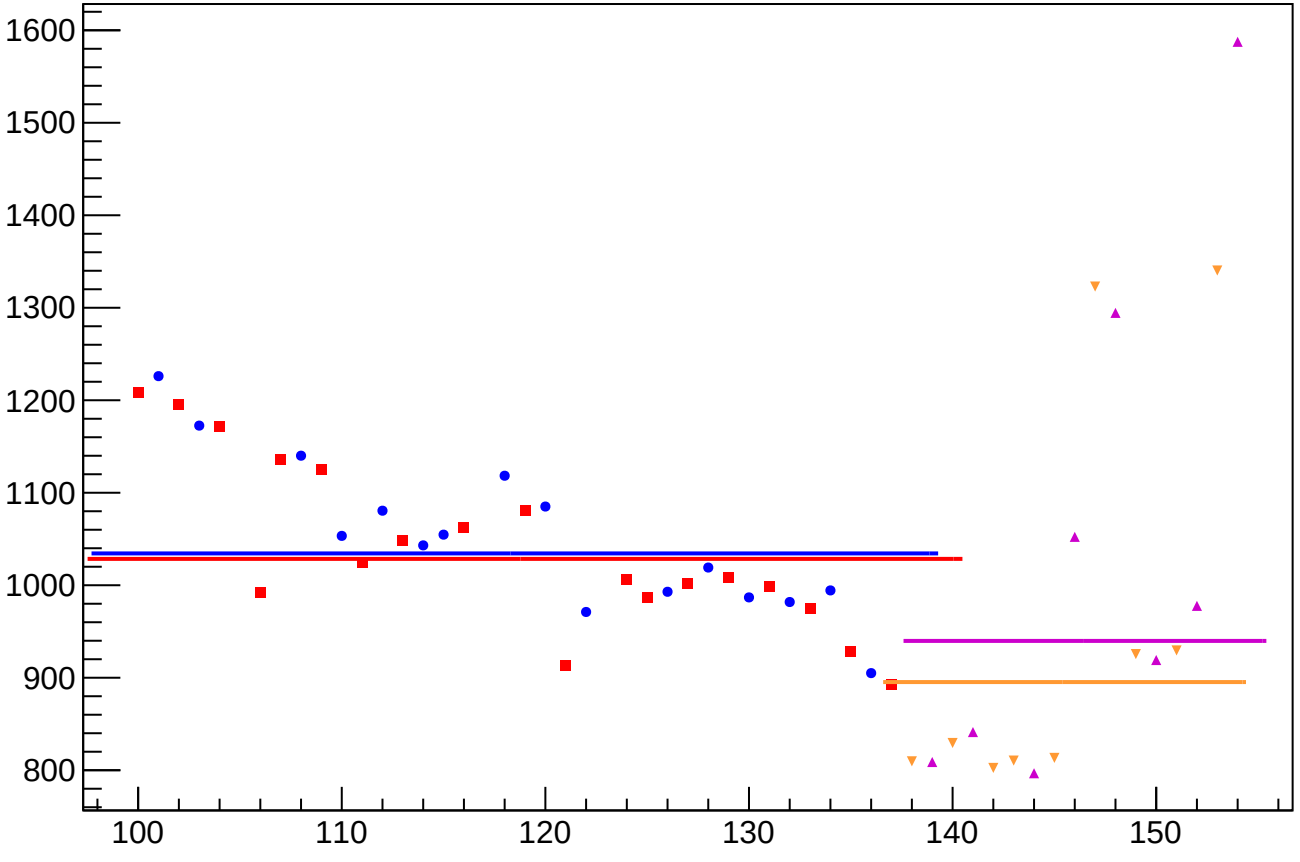
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.994+/-0.265 χ^2/NDF:278.9/23

Out: -1.329+/-0.254 χ^2/NDF:267.3/27

All: -2.126+/-0.184 χ^2/NDF: 566.8/51

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: 939.809+/-0.258 χ^2/NDF:558501.8/7

Left: 916.282+/-0.177 χ^2/NDF: 992111.2/16

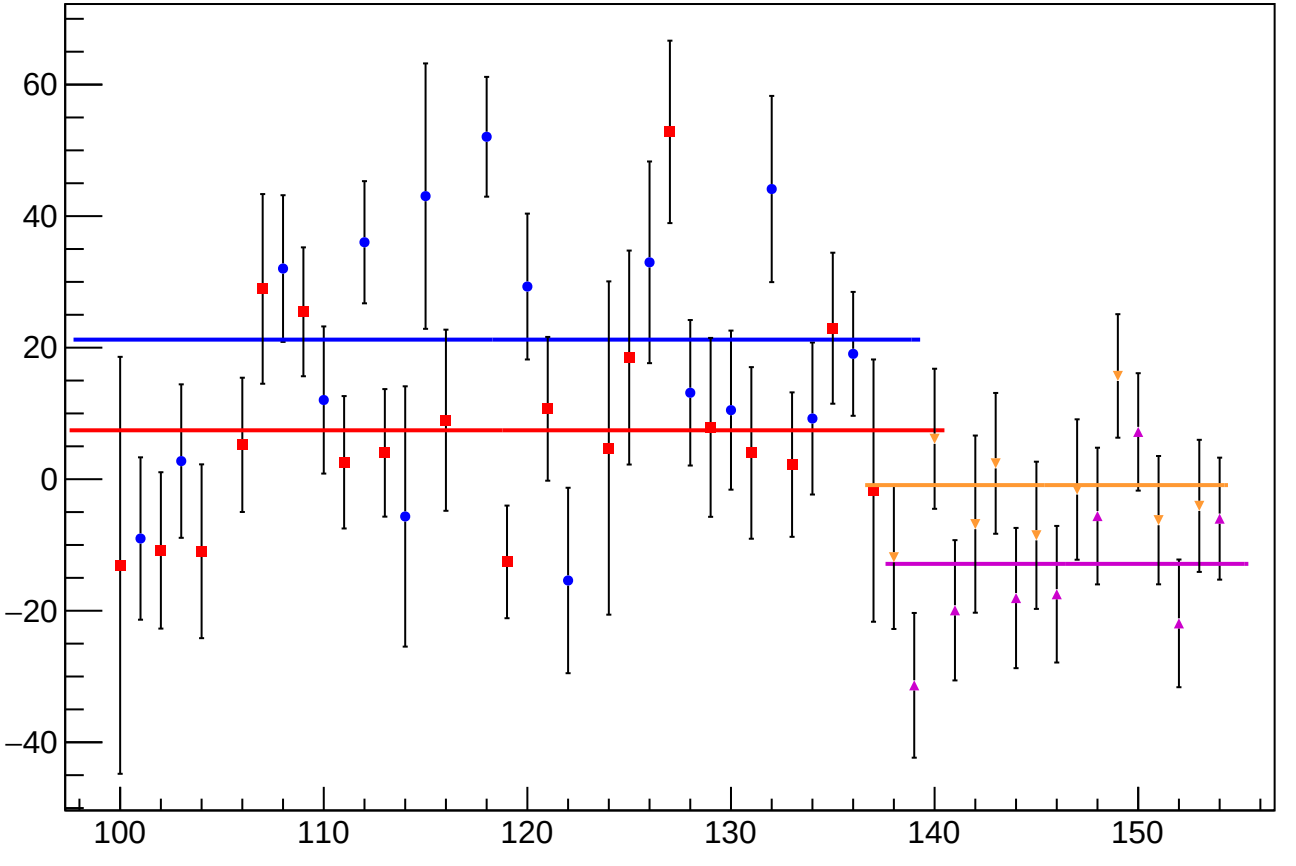
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 984.520+/-0.188 χ^2/NDF:735189.7/23

Out: 956.081+/-0.180 χ^2/NDF:655705.3/27

All: 969.699+/-0.130 χ^2/NDF: 1402879.1/51

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: -12.873+/-3.554 χ^2/NDF:10.6/7

Left: -6.854+/-2.507 χ^2/NDF: 22.1/16

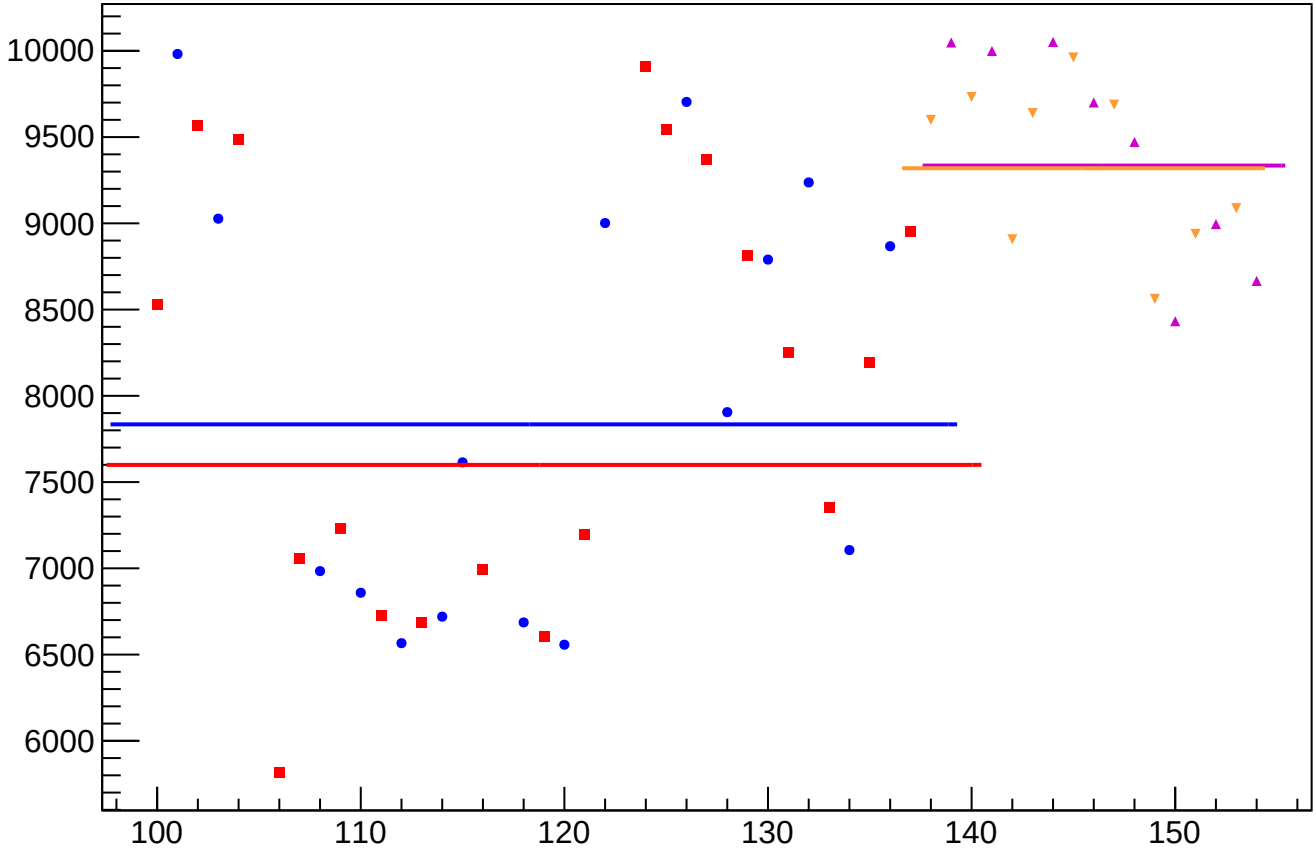
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 7.304+/-2.271 χ^2/NDF:105.2/23

Out: 4.209+/-2.200 χ^2/NDF:38.9/27

All: 5.708+/-1.580 χ^2/NDF: 145.1/51

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: 9334.919+/-2.513 χ^2/NDF:61305.3/7

Left: 9327.080+/-1.772 χ^2/NDF: 95412.7/16

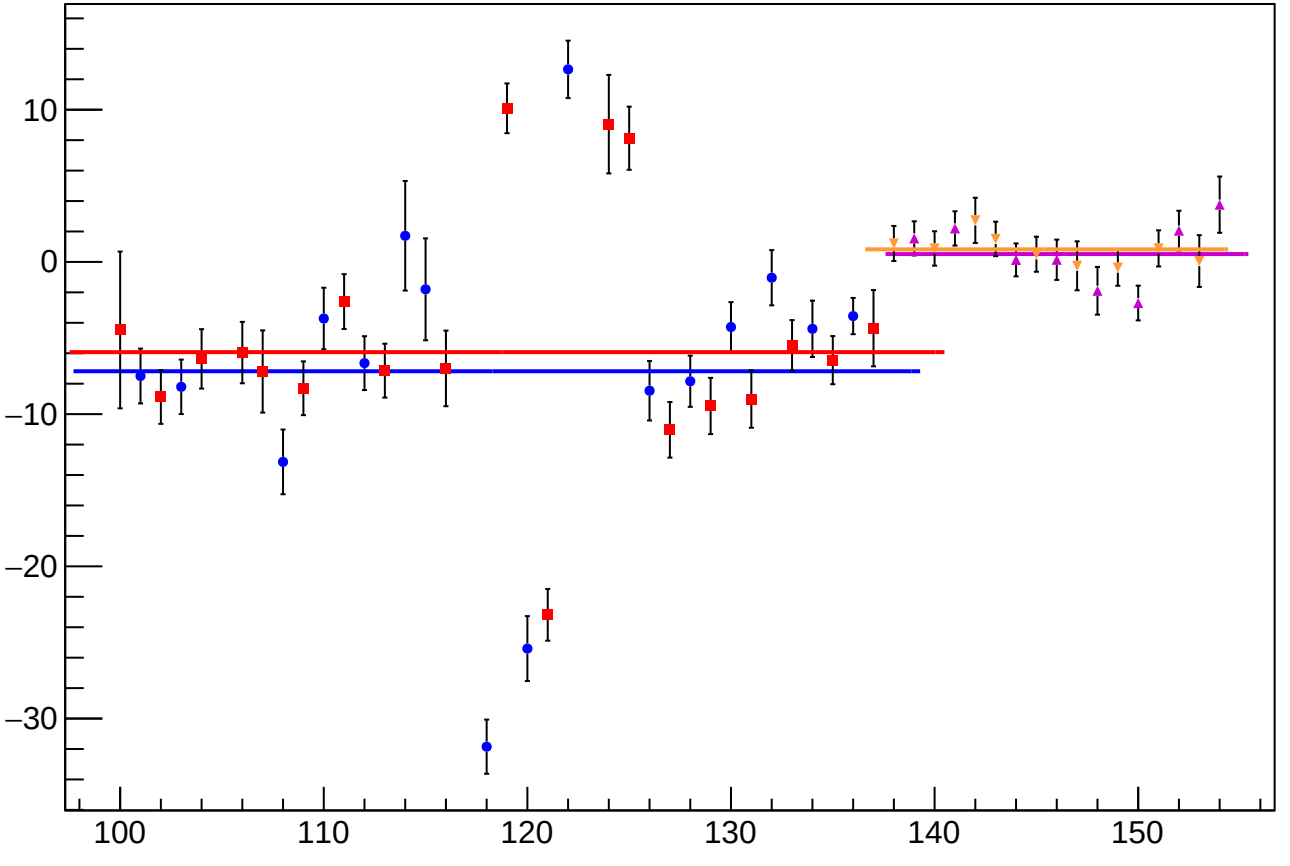
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8447.071+/-1.606 χ^2/NDF:590310.2/23

Out: 8265.523+/-1.556 χ^2/NDF:668300.5/27

All: 8353.425+/-1.117 χ^2/NDF: 1265205.1/51

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: 0.518+/-0.444 χ^2/NDF:18.1/7

Left: 0.682+/-0.305 χ^2/NDF: 22.2/16

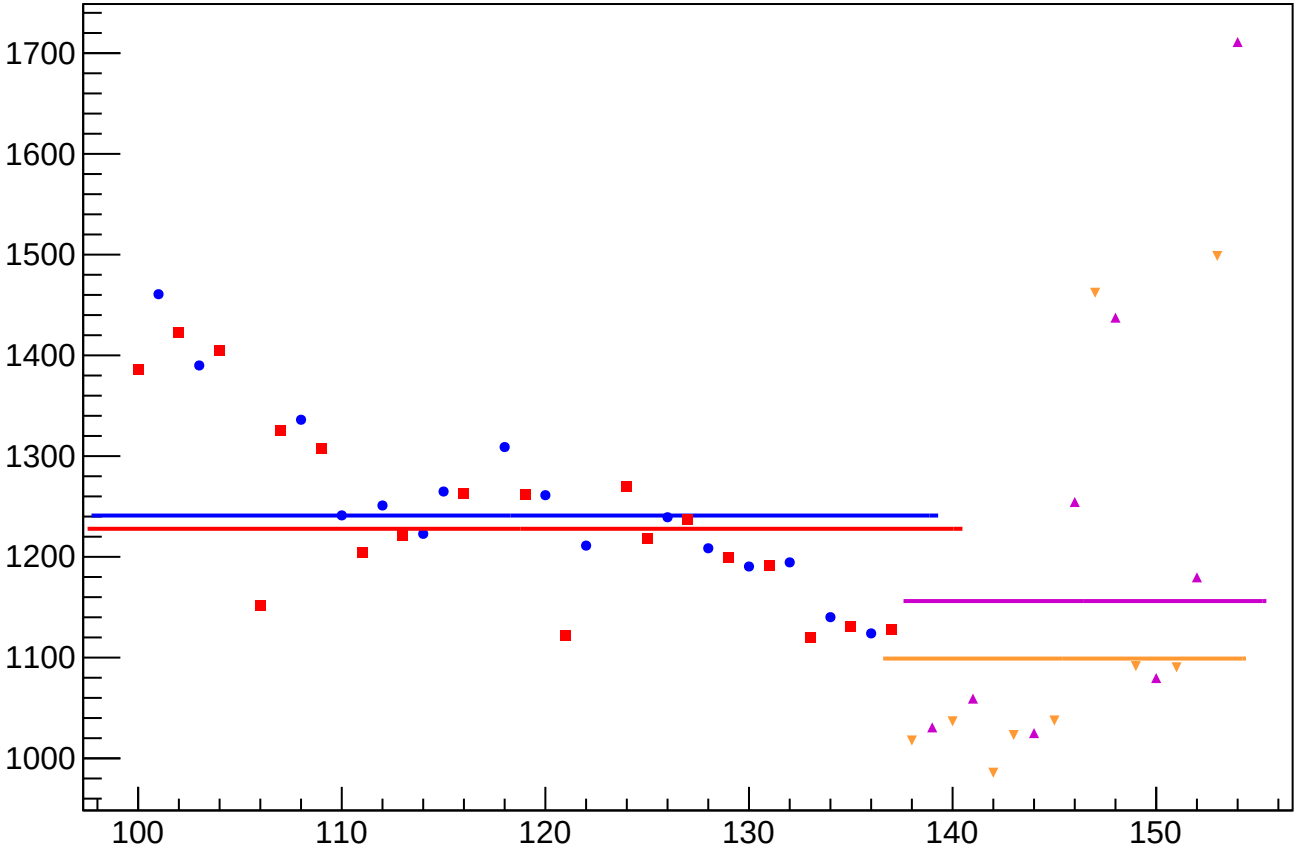
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -3.180+/-0.320 χ^2/NDF:584.5/23

Out: -2.324+/-0.307 χ^2/NDF:414.9/27

All: -2.734+/-0.222 χ^2/NDF: 1003.1/51

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: 1156.122+/-0.314 χ^2/NDF:334467.0/7

Left: 1125.981+/-0.216 χ^2/NDF: 606660.8/16

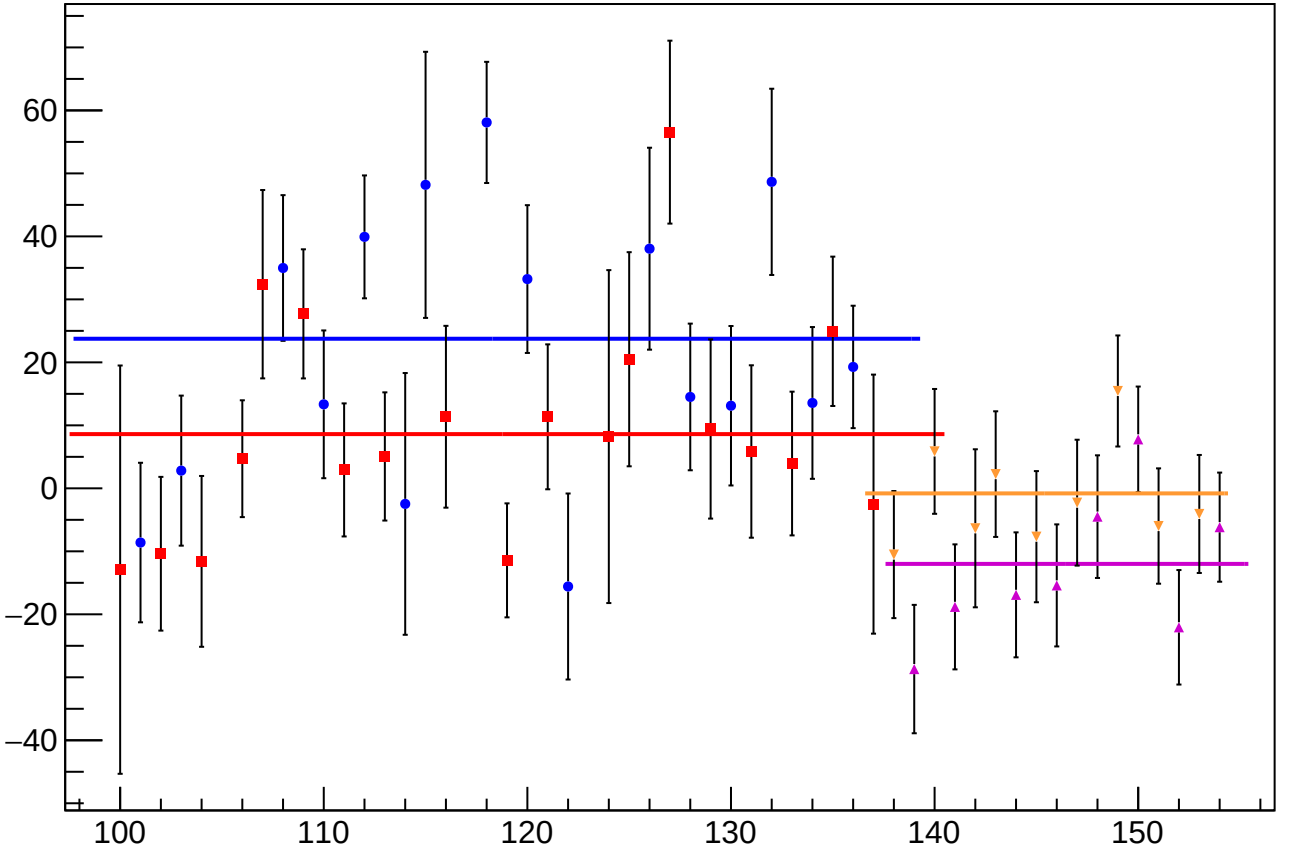
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1196.881+/-0.227 χ^2/NDF:450166.8/23

Out: 1159.155+/-0.217 χ^2/NDF:424856.5/27

All: 1177.204+/-0.157 χ^2/NDF: 889489.0/51

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: -11.996+/-3.319 χ^2/NDF:11.4/7

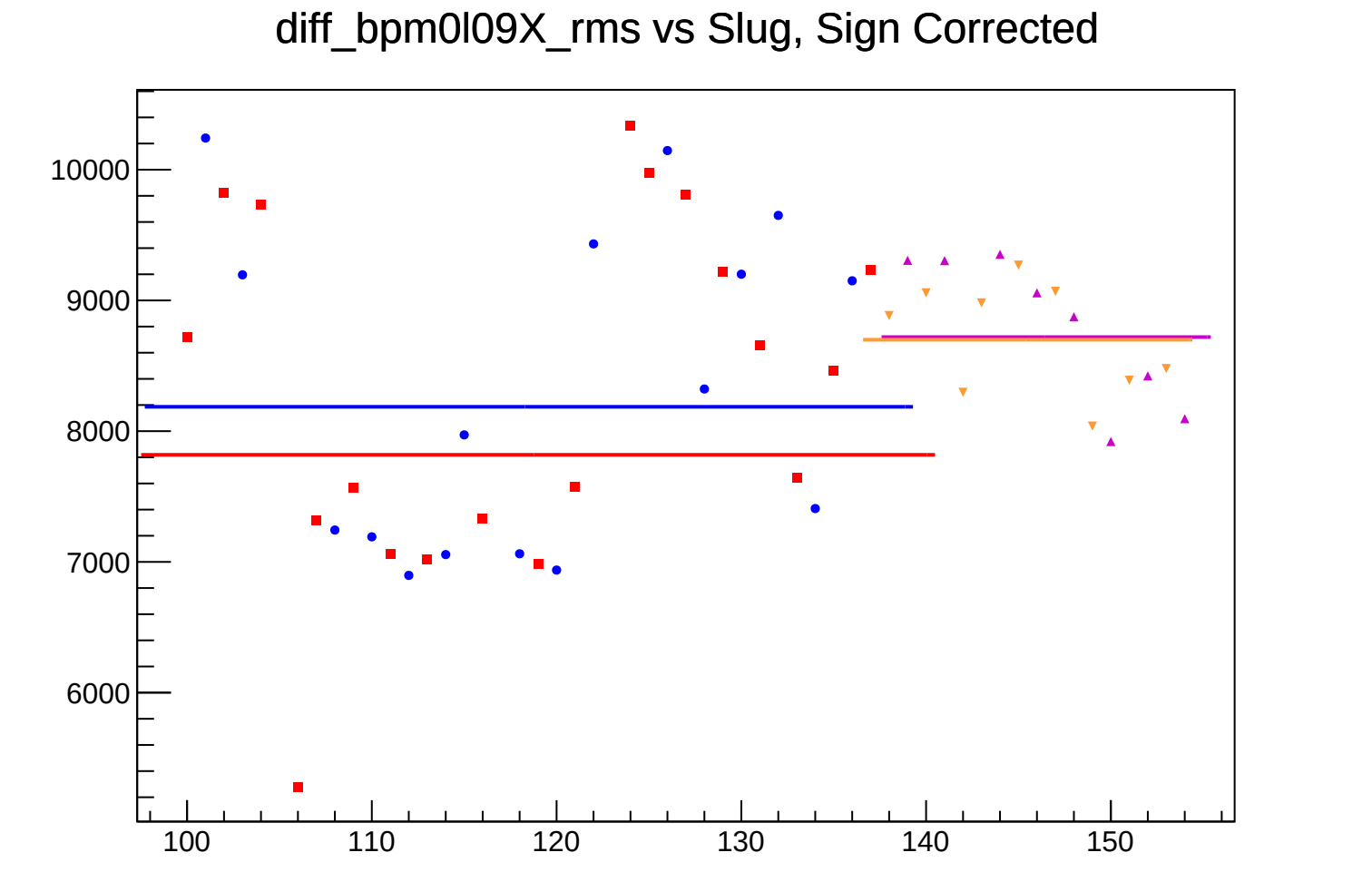
Left: -6.368+/-2.340 χ^2/NDF: 23.1/16

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 7.200+/-2.258 χ^2/NDF:117.1/23

Out: 4.509+/-2.178 χ^2/NDF:41.0/27

All: 5.806+/-1.568 χ^2/NDF: 158.8/51



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8699.257+/-2.333 χ^2/NDF:30321.9/8

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8719.632+/-2.347 χ^2/NDF:55355.4/7

Left: 8709.386+/-1.655 χ^2/NDF: 85715.2/16

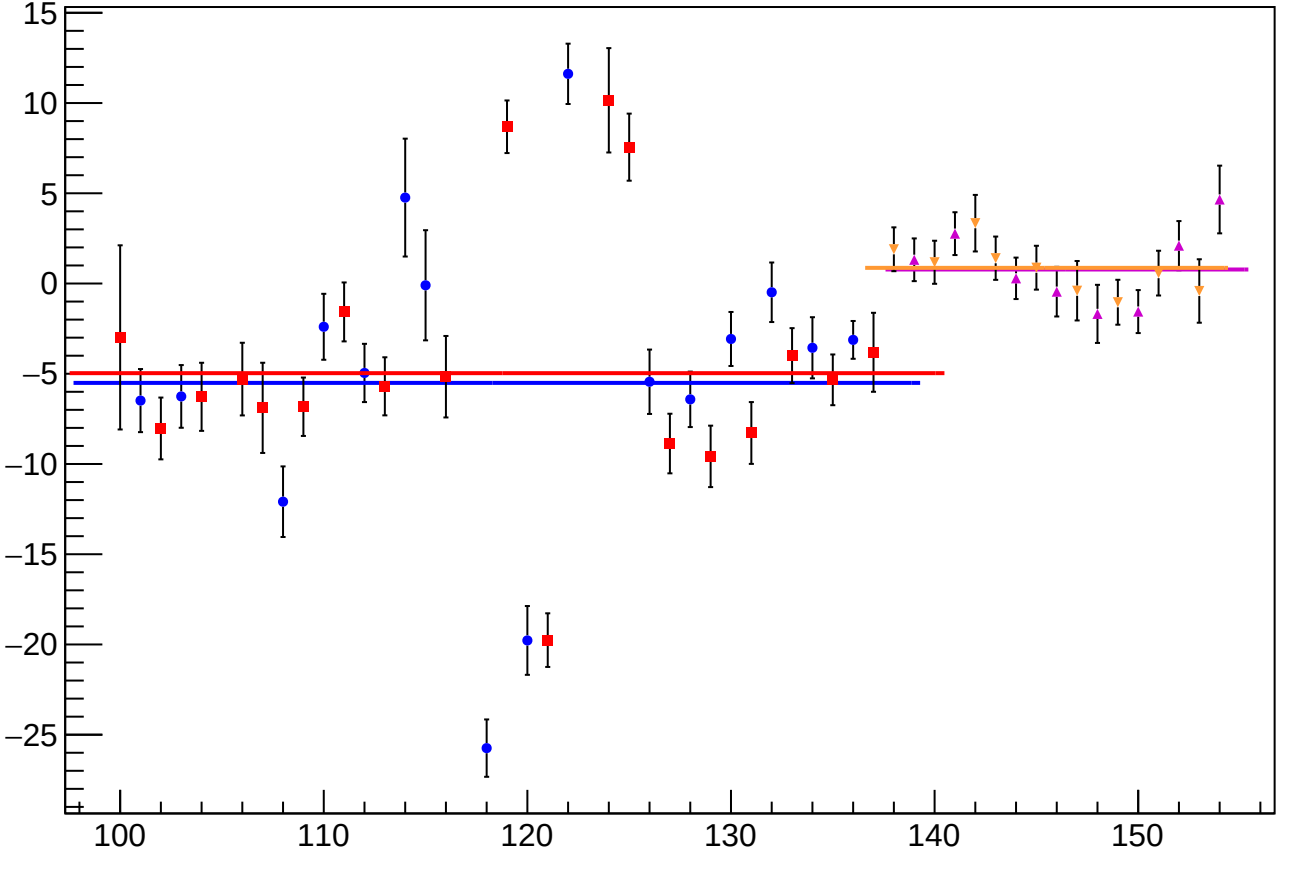
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8433.256+/-1.597 χ^2/NDF:373716.9/23

Out: 8202.447+/-1.540 χ^2/NDF:533654.7/27

All: 8313.678+/-1.108 χ^2/NDF: 918197.1/51

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: 0.776+/-0.465 χ^2/NDF:15.4/7

Left: 0.824+/-0.320 χ^2/NDF: 22.4/16

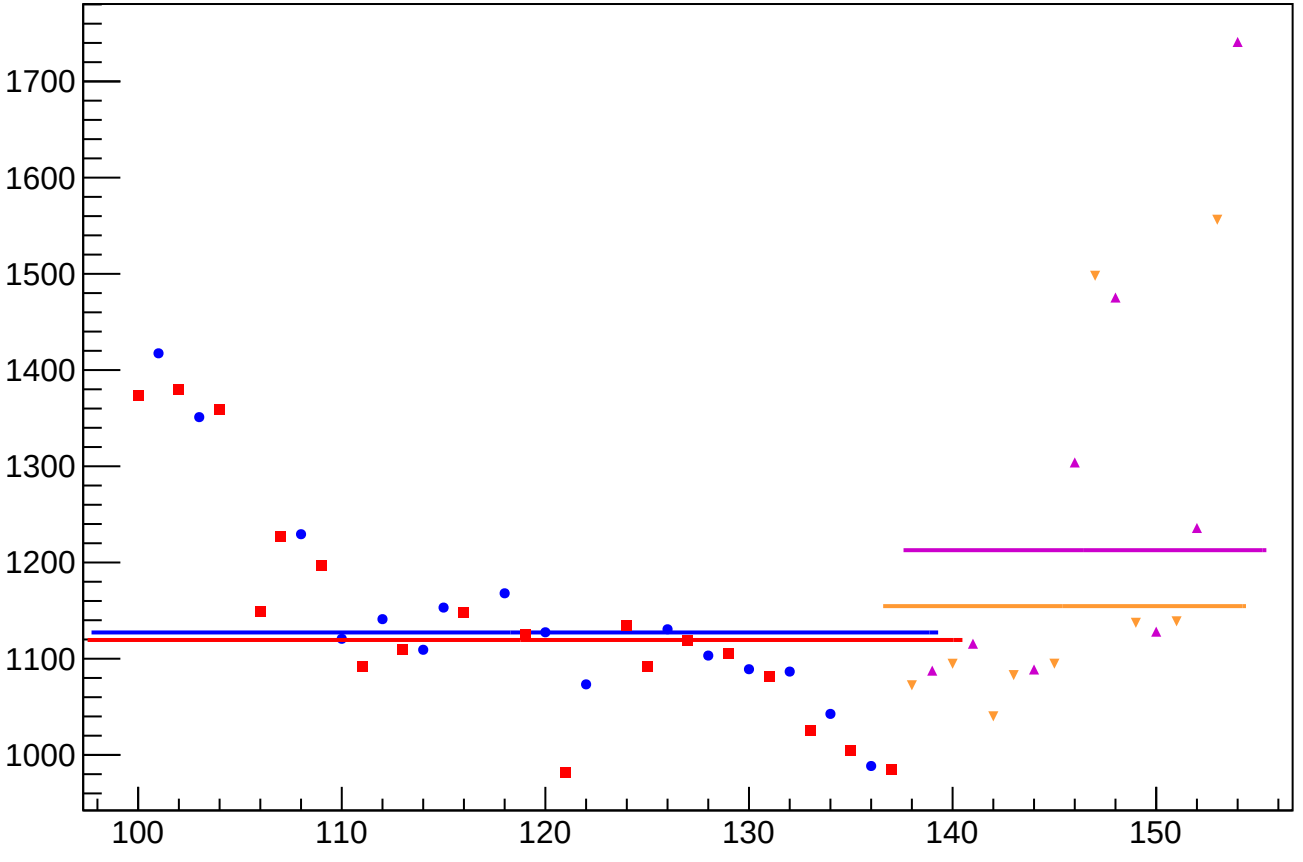
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.677+/-0.312 χ^2/NDF:485.5/23

Out: -2.258+/-0.300 χ^2/NDF:388.2/27

All: -2.460+/-0.216 χ^2/NDF: 874.6/51

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: 1212.797+/-0.329 χ^2/NDF:290370.1/7

Left: 1182.167+/-0.226 χ^2/NDF: 535675.8/16

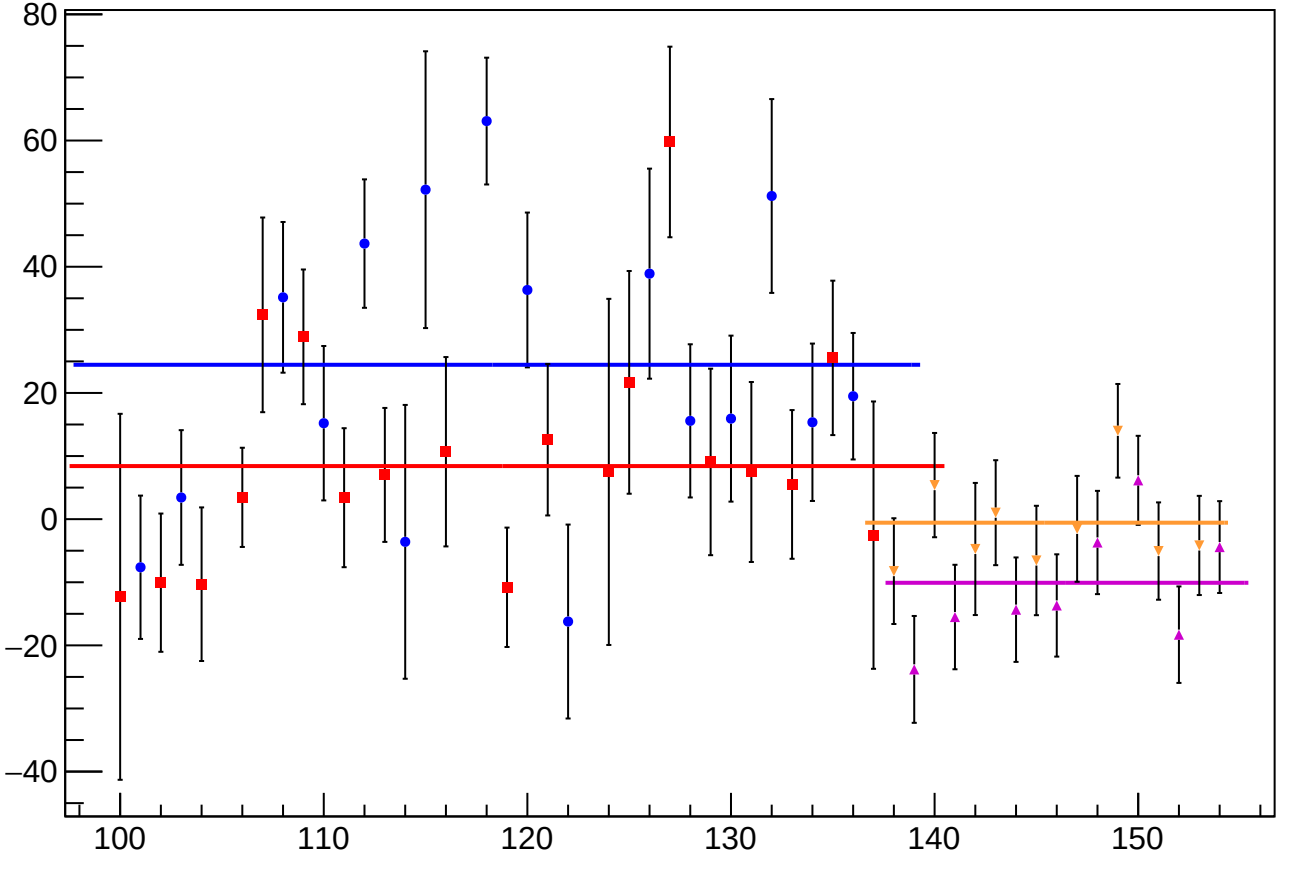
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1165.794+/-0.221 χ^2/NDF:468160.3/23

Out: 1135.809+/-0.212 χ^2/NDF:376395.1/27

All: 1150.228+/-0.153 χ^2/NDF: 854142.9/51

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: -10.083+/-2.780 χ^2/NDF:11.2/7

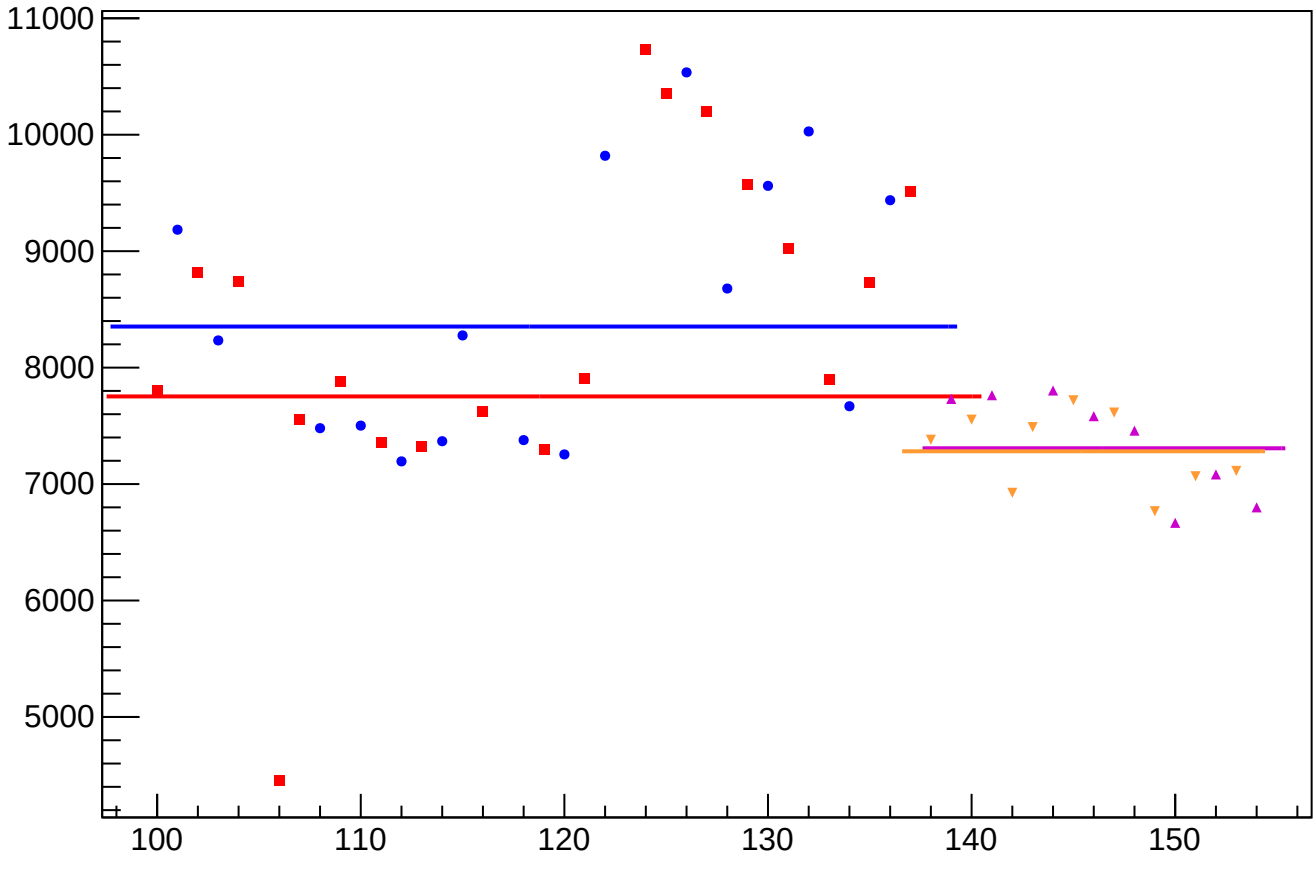
Left: -5.290+/-1.959 χ^2/NDF: 23.5/16

Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 5.119+/-2.080 χ^2/NDF:127.4/23

Out: 3.720+/-1.997 χ^2/NDF:42.6/27

All: 4.391+/-1.441 χ^2/NDF: 170.3/51



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: 7307.331+/-1.966 χ^2/NDF:49159.0/7

Left: 7294.365+/-1.385 χ^2/NDF: 75581.6/16

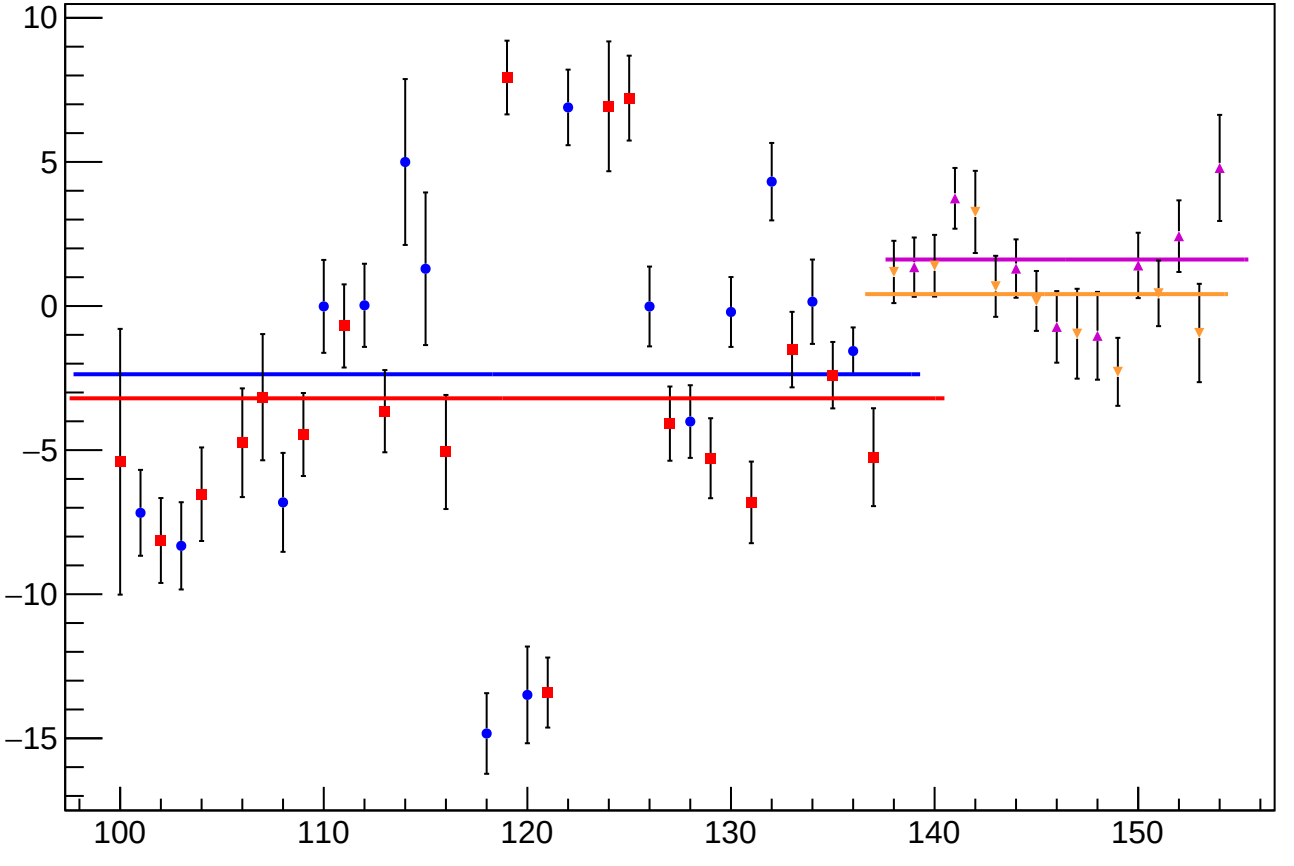
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7767.370+/-1.471 χ^2/NDF:394016.1/23

Out: 7506.328+/-1.412 χ^2/NDF:642180.3/27

All: 7631.499+/-1.019 χ^2/NDF: 1052586.1/51

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: 1.614+/-0.422 χ^2/NDF:14.2/7

Left: 0.980+/-0.290 χ^2/NDF: 30.6/16

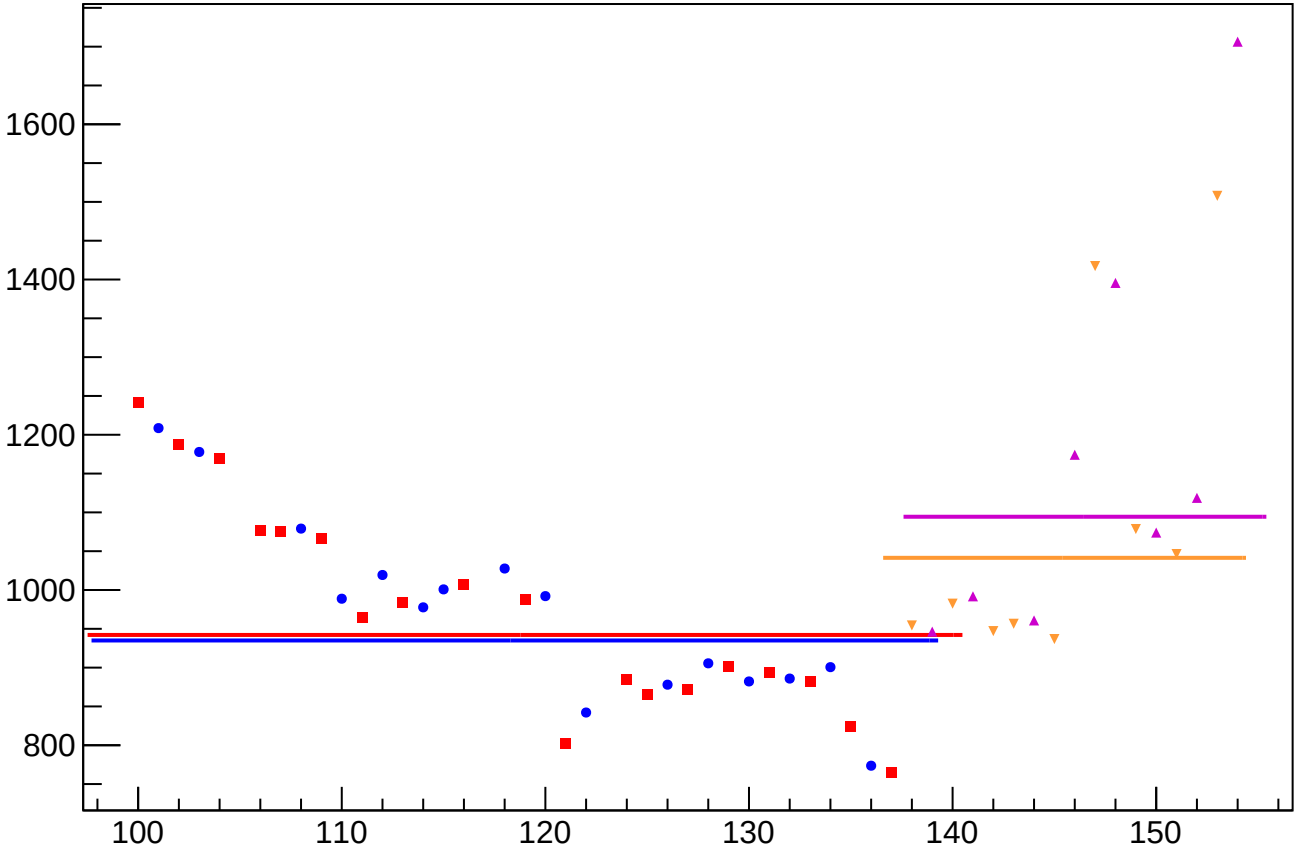
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.742+/-0.270 χ^2/NDF:322.5/23

Out: -1.649+/-0.262 χ^2/NDF:309.5/27

All: -1.209+/-0.188 χ^2/NDF: 637.8/51

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: 1094.380+/-0.298 χ^2/NDF:404109.7/7

Left: 1066.442+/-0.205 χ^2/NDF: 749392.8/16

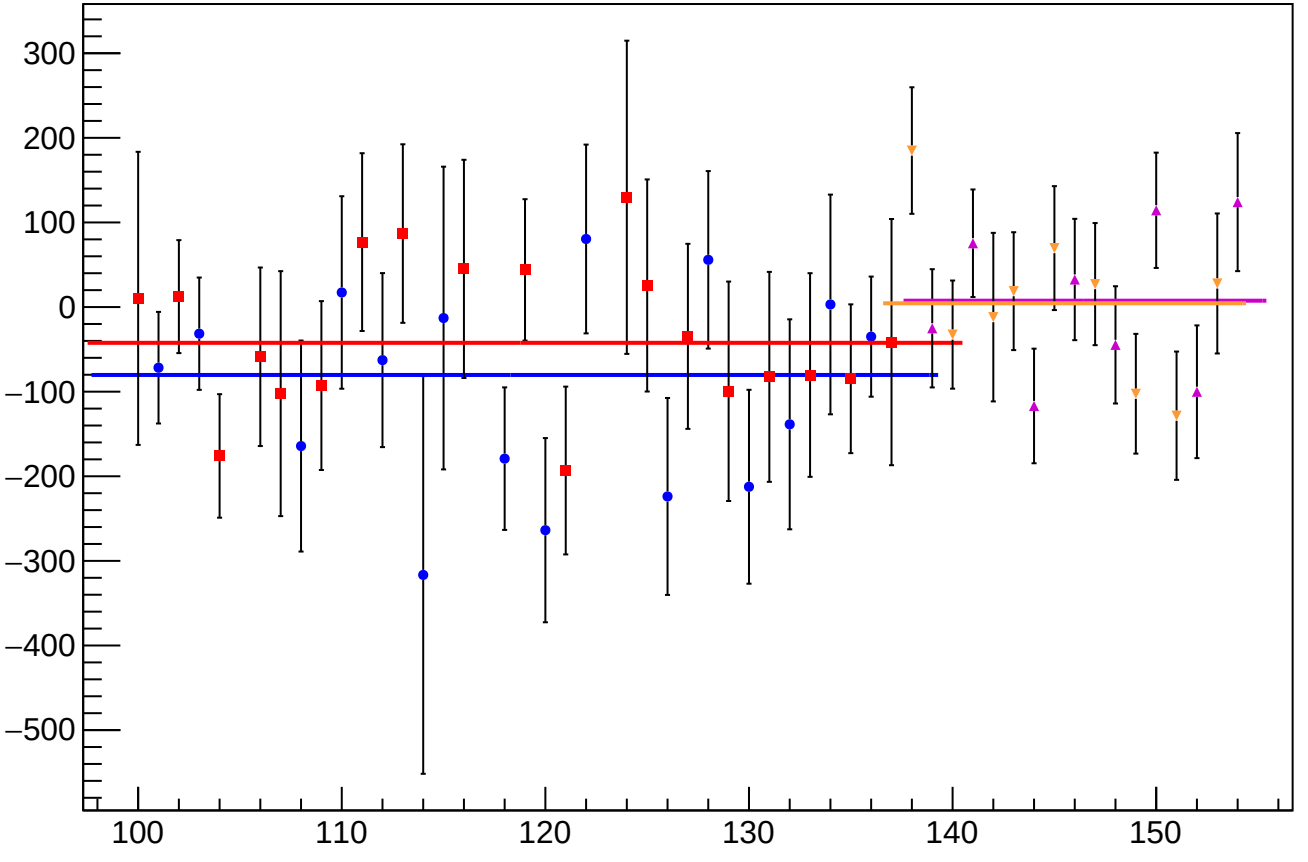
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1000.058+/-0.191 χ^2/NDF:827417.7/23

Out: 984.797+/-0.185 χ^2/NDF:631852.9/27

All: 992.197+/-0.133 χ^2/NDF: 1462572.1/51

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: 7.532+/-24.991 χ^2/NDF:11.8/7

Left: 5.982+/-17.595 χ^2/NDF: 24.4/16

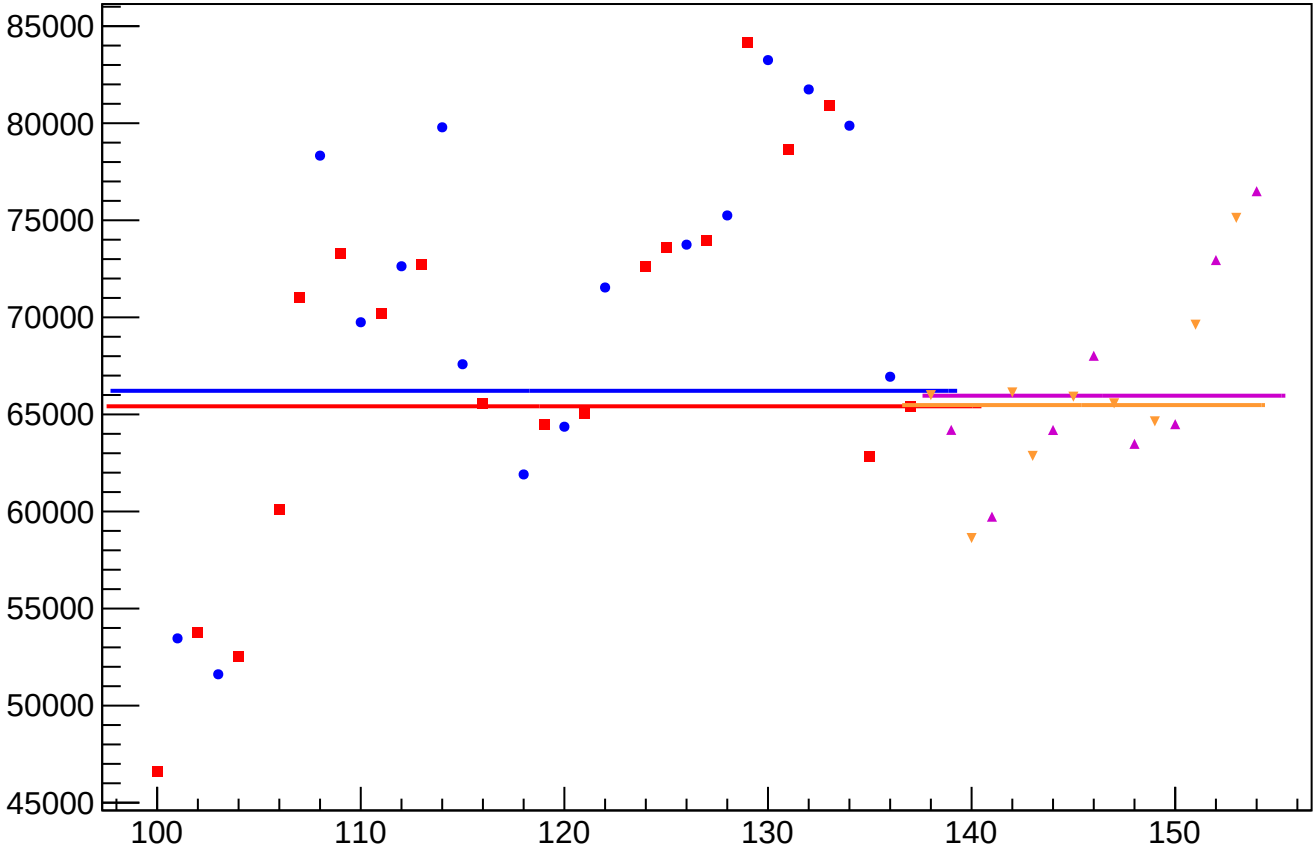
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -36.503+/-17.642 χ^2/NDF:32.8/23

Out: -19.508+/-17.292 χ^2/NDF:27.4/27

All: -27.835+/-12.349 χ^2/NDF: 60.6/51

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: 65964.294+/-17.671 χ^2/NDF:76192.0/7

Left: 65720.632+/-12.442 χ^2/NDF: 136032.0/16

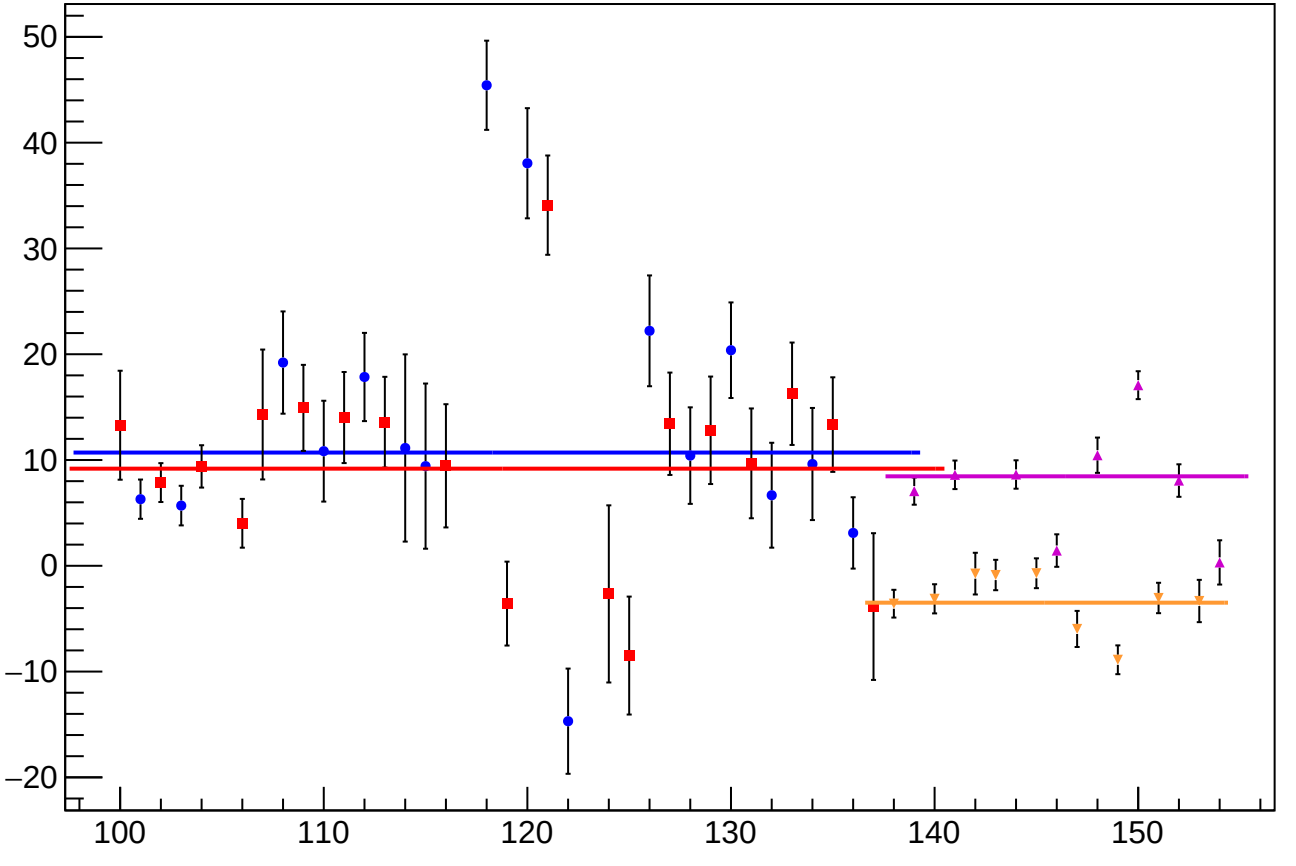
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 66090.616+/-12.475 χ^2/NDF:414671.5/23

Out: 65449.000+/-12.228 χ^2/NDF:364025.5/27

All: 65763.388+/-8.732 χ^2/NDF: 780046.0/51

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: 8.458+/-0.519 χ^2/NDF:81.3/7

Left: 2.289+/-0.361 χ^2/NDF: 382.4/16

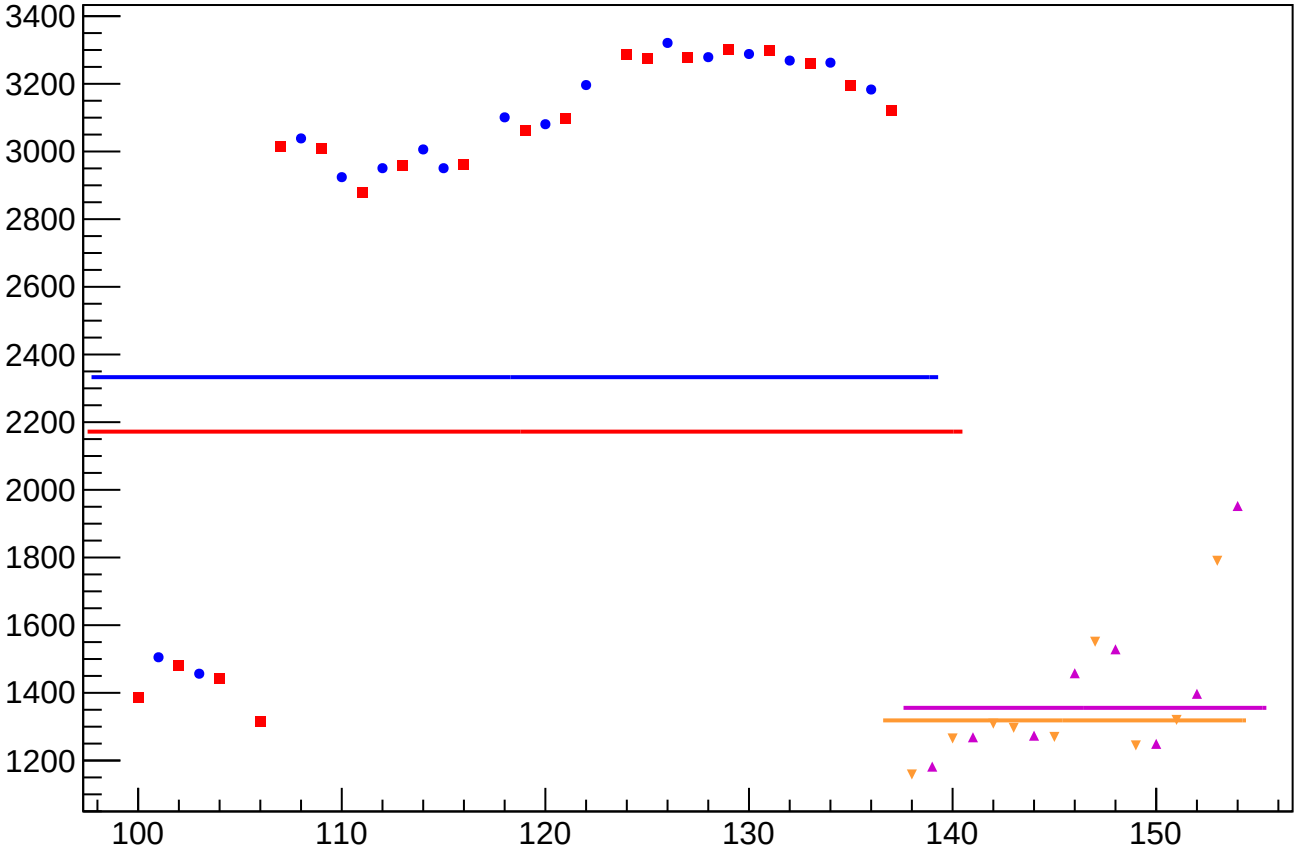
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 8.999+/-0.452 χ^2/NDF:241.4/23

Out: -0.212+/-0.432 χ^2/NDF:261.4/27

All: 4.189+/-0.312 χ^2/NDF: 719.9/51

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: 1355.651+/-0.367 χ^2/NDF:259661.7/7

Left: 1336.498+/-0.255 χ^2/NDF: 454930.7/16

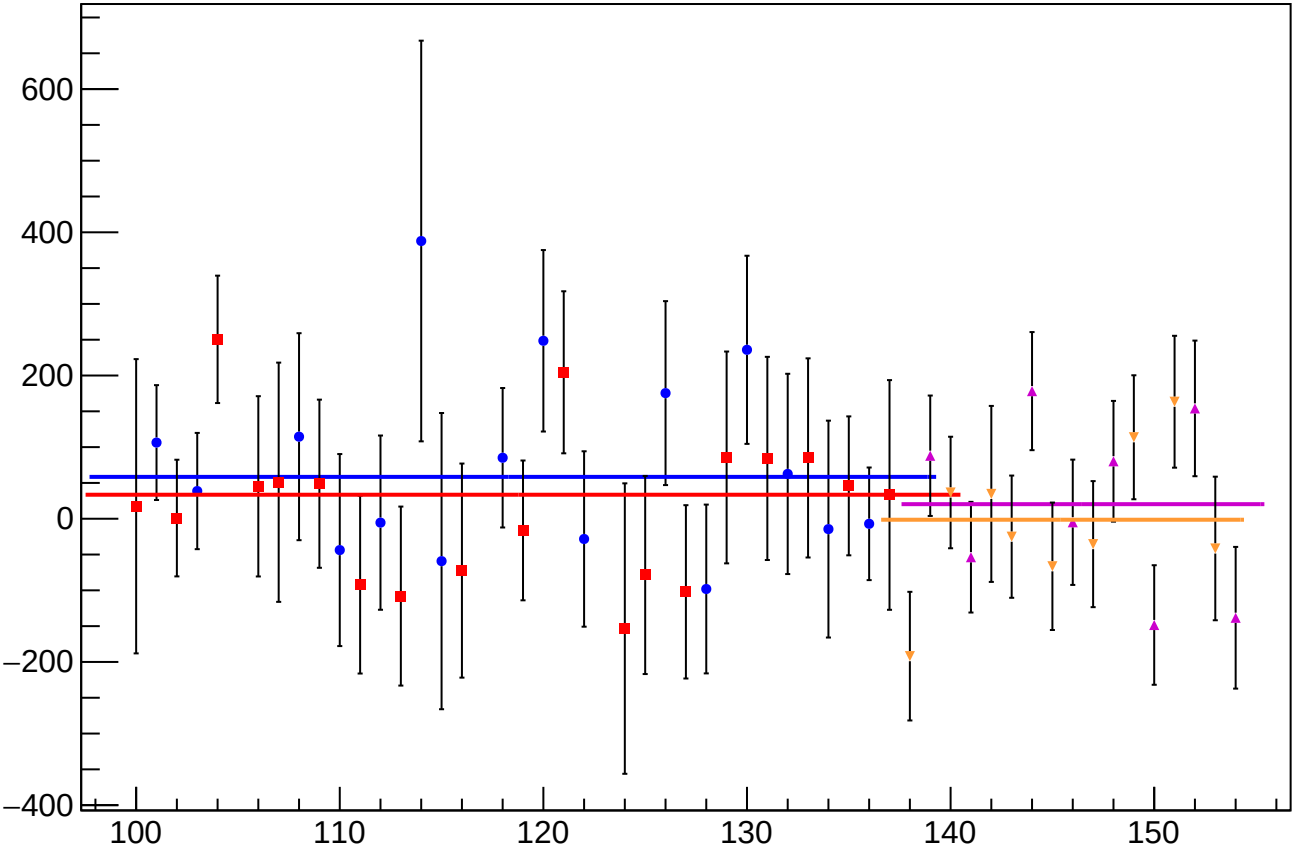
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1591.180+/-0.320 χ^2/NDF:3622287.5/23

Out: 1539.169+/-0.306 χ^2/NDF:3668915.9/27

All: 1564.017+/-0.221 χ^2/NDF: 7305039.7/51

diff_bpm0r05X_mean vs Slug, Sign Corrected



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: 20.347+/-30.365 χ^2/NDF:14.5/7

Left: 9.404+/-21.402 χ^2/NDF: 25.4/16

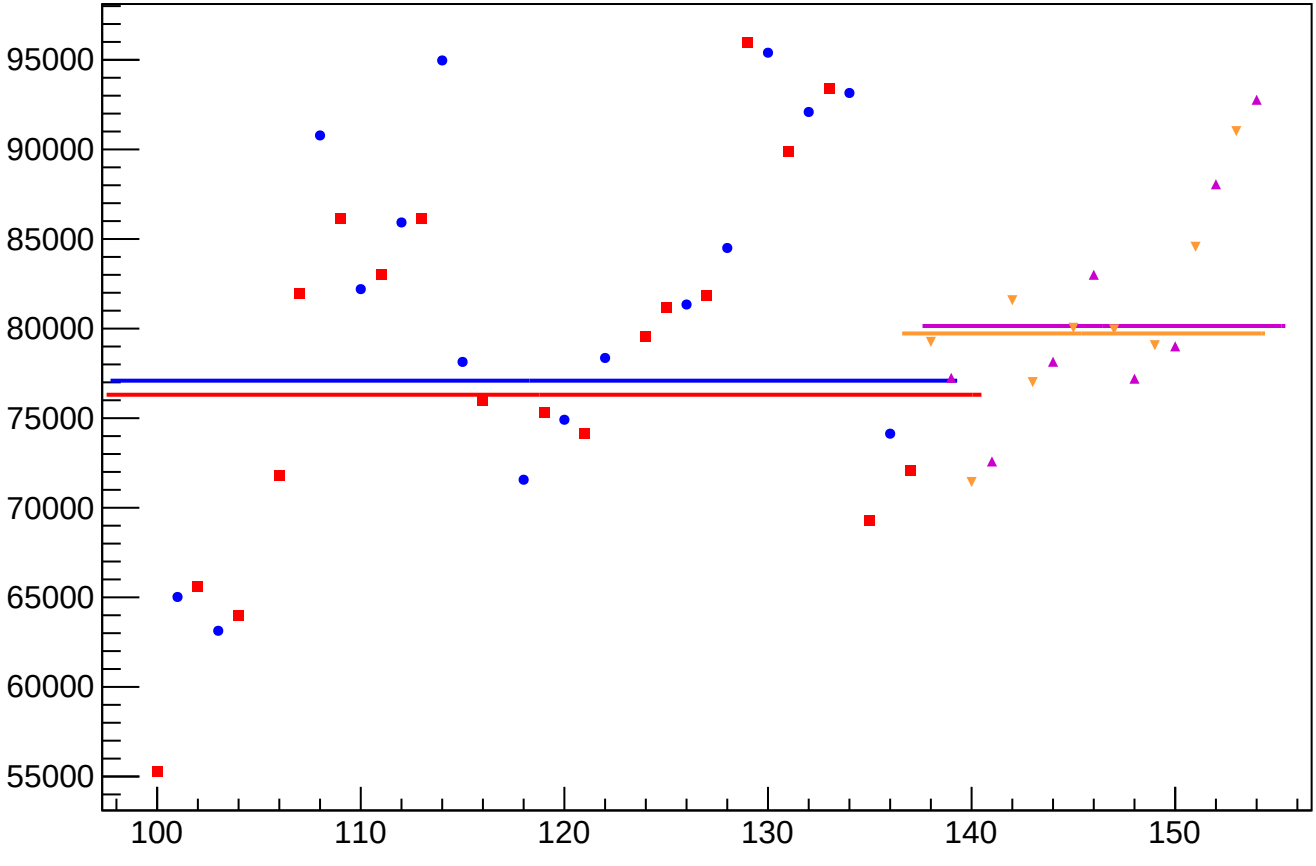
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 40.326+/-20.941 χ^2/NDF:26.6/23

Out: 17.297+/-20.565 χ^2/NDF:26.1/27

All: 28.603+/-14.673 χ^2/NDF: 53.3/51

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 79728.067+/-21.334 χ^2/NDF:56251.9/8

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 80145.595+/-21.471 χ^2/NDF:74157.6/7

Left: 79935.489+/-15.134 χ^2/NDF: 130599.7/16

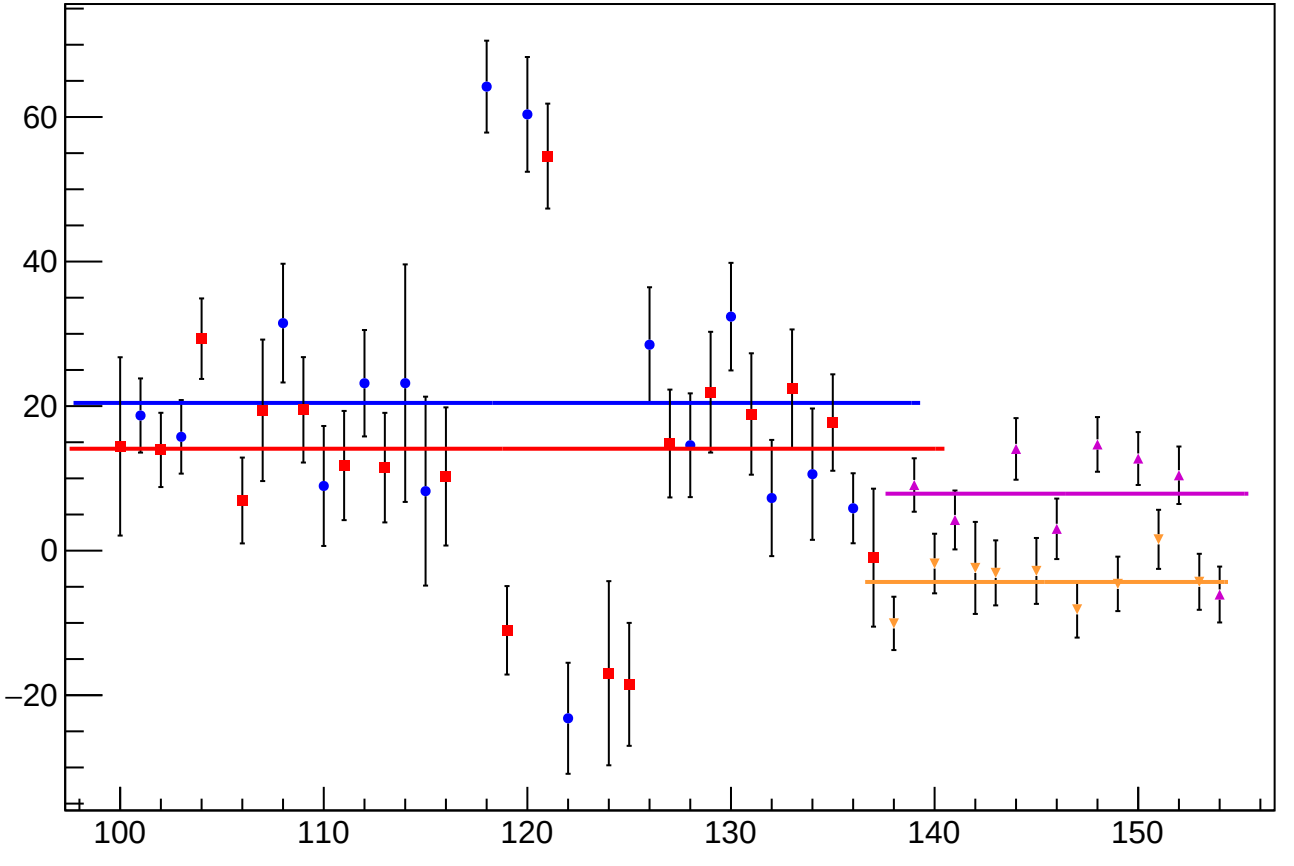
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 78544.866+/-14.807 χ^2/NDF:333298.9/23

Out: 77897.370+/-14.542 χ^2/NDF:304438.8/27

All: 78215.254+/-10.375 χ^2/NDF: 638711.1/5

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: 7.881+/-1.387 χ^2/NDF:22.8/7

Left: 1.794+/-0.982 χ^2/NDF: 67.6/16

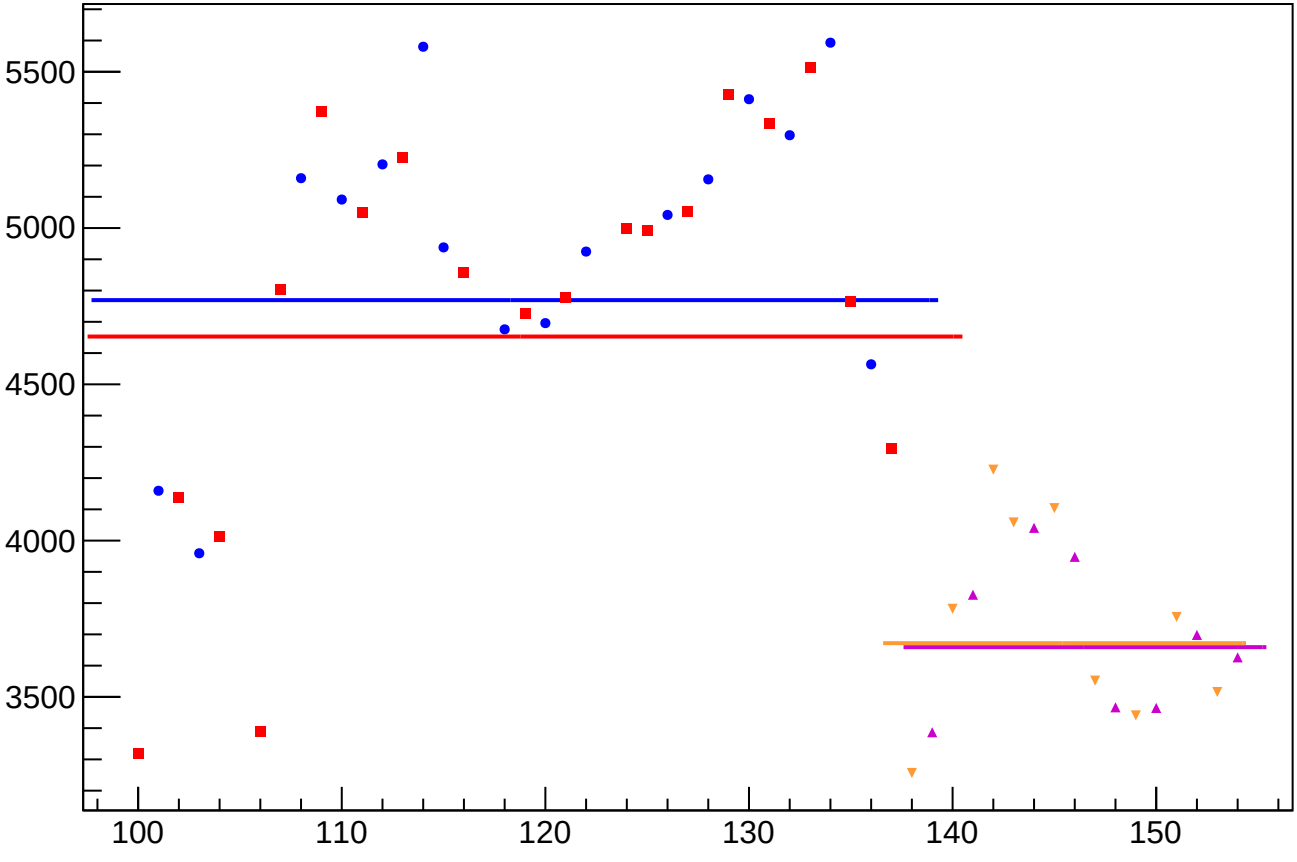
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 12.618+/-1.094 χ^2/NDF:181.6/23

Out: 2.990+/-1.080 χ^2/NDF:159.6/27

All: 7.740+/-0.769 χ^2/NDF: 380.4/51

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: 3659.195+/-0.980 χ^2/NDF:50959.5/7

Left: 3665.492+/-0.694 χ^2/NDF: 139189.9/16

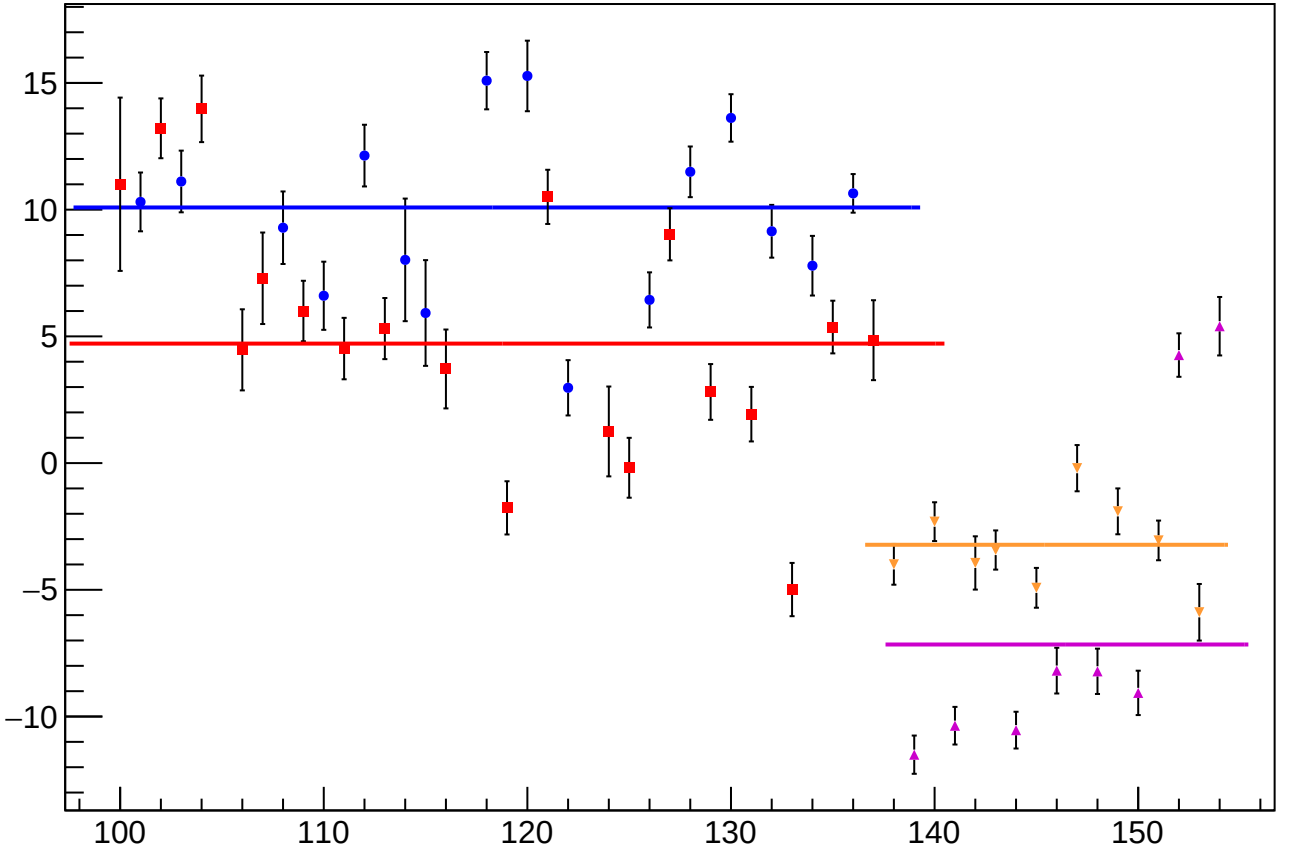
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4077.897+/-0.774 χ^2/NDF:686148.1/23

Out: 4061.527+/-0.764 χ^2/NDF:748460.4/27

All: 4069.603+/-0.544 χ^2/NDF: 1434835.3/51

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: -7.158+/-0.297 χ^2/NDF:376.7/7

Left: -5.112+/-0.206 χ^2/NDF: 494.6/16

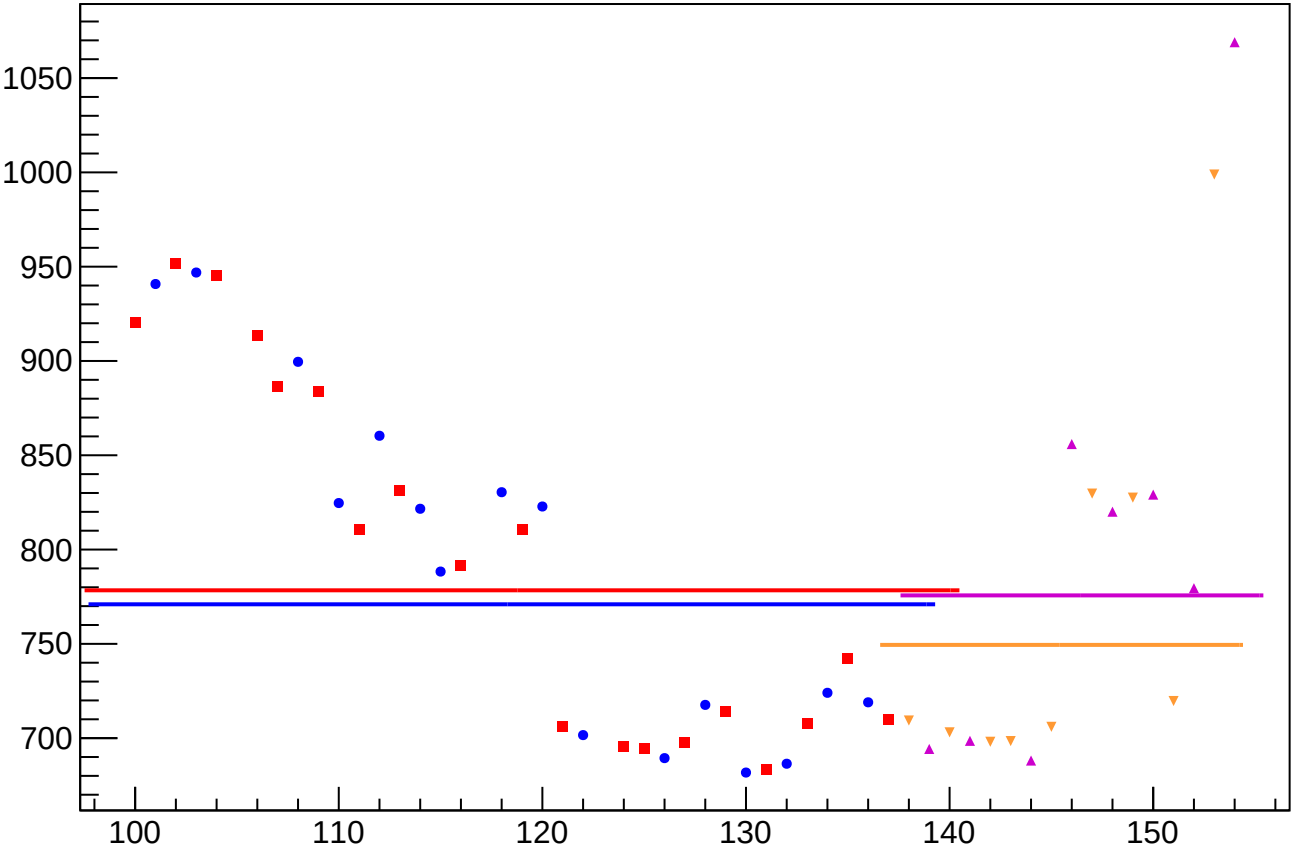
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.707+/-0.207 χ^2/NDF:2238.1/23

Out: 0.736+/-0.202 χ^2/NDF:723.4/27

All: 1.210+/-0.144 χ^2/NDF: 2972.8/51

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: 775.697+/-0.210 χ^2/NDF:231507.4/7

Left: 762.052+/-0.145 χ^2/NDF: 404573.1/16

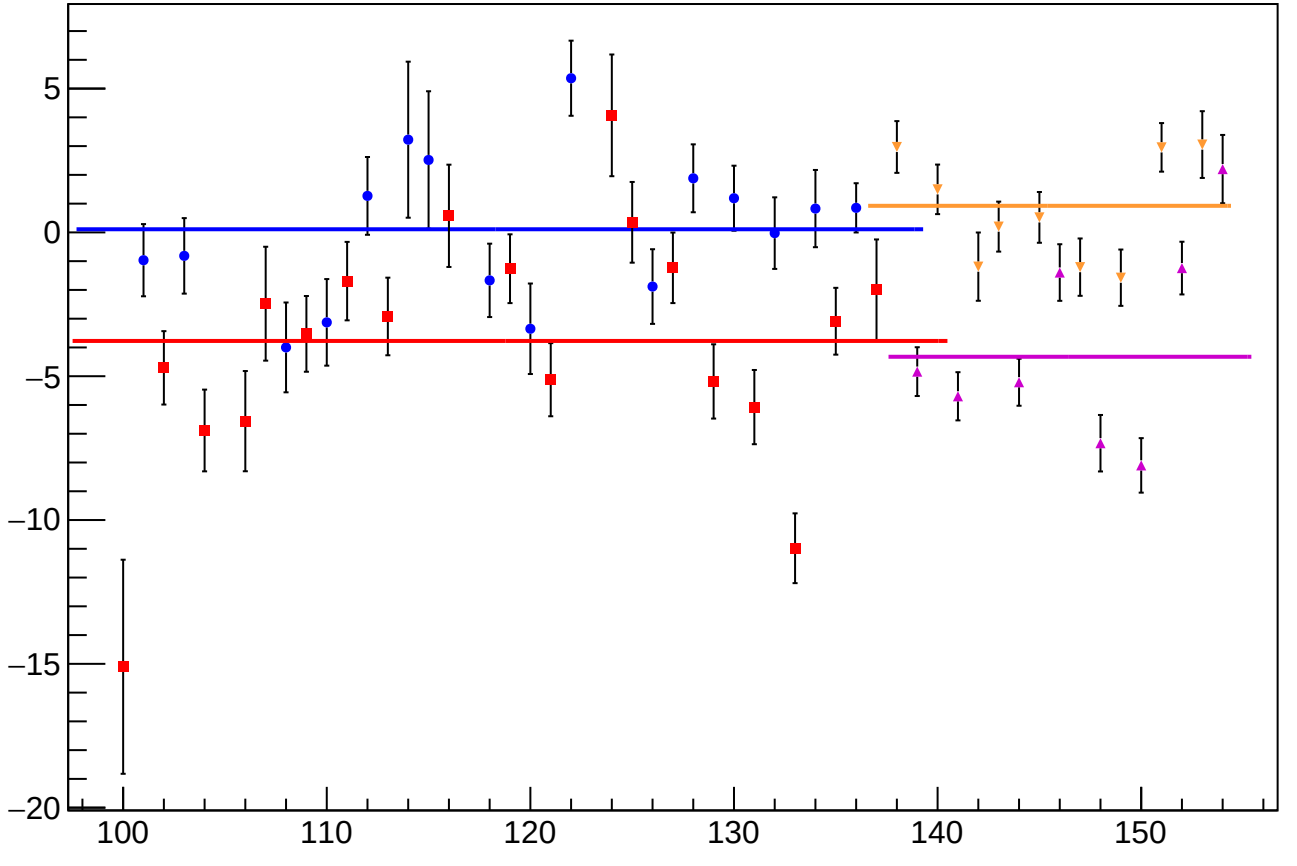
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 773.269+/-0.146 χ^2/NDF:424680.0/23

Out: 763.887+/-0.143 χ^2/NDF:371753.5/27

All: 768.464+/-0.102 χ^2/NDF: 798542.2/51

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: -4.324+/-0.326 χ^2/NDF:79.8/7

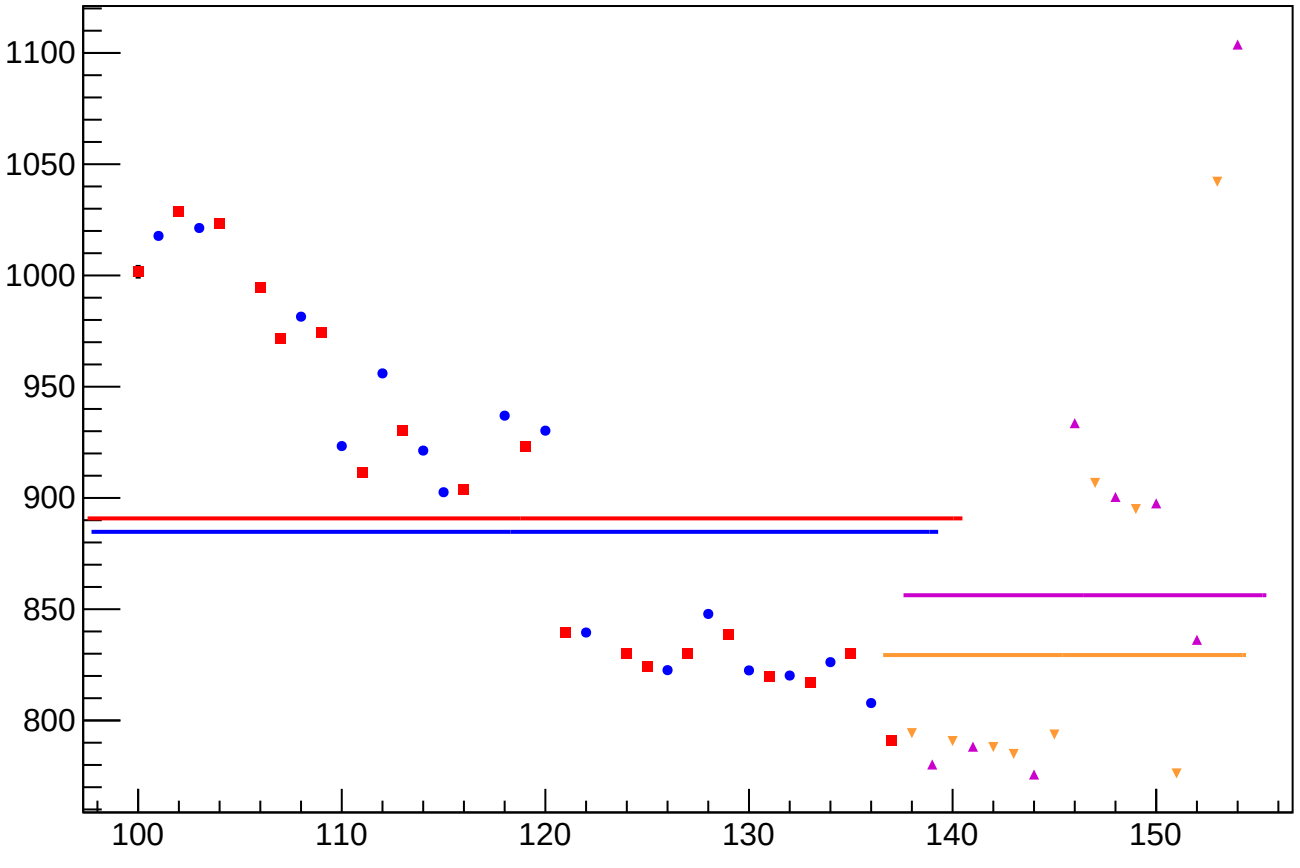
Left: -1.605+/-0.227 χ^2/NDF: 243.8/16

Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -2.132+/-0.232 χ^2/NDF:216.5/23

Out: -1.342+/-0.226 χ^2/NDF:237.0/27

All: -1.727+/-0.162 χ^2/NDF: 459.4/51



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: 856.280+/-0.231 χ^2/NDF:156695.4/7

Left: 842.356+/-0.160 χ^2/NDF: 277896.3/16

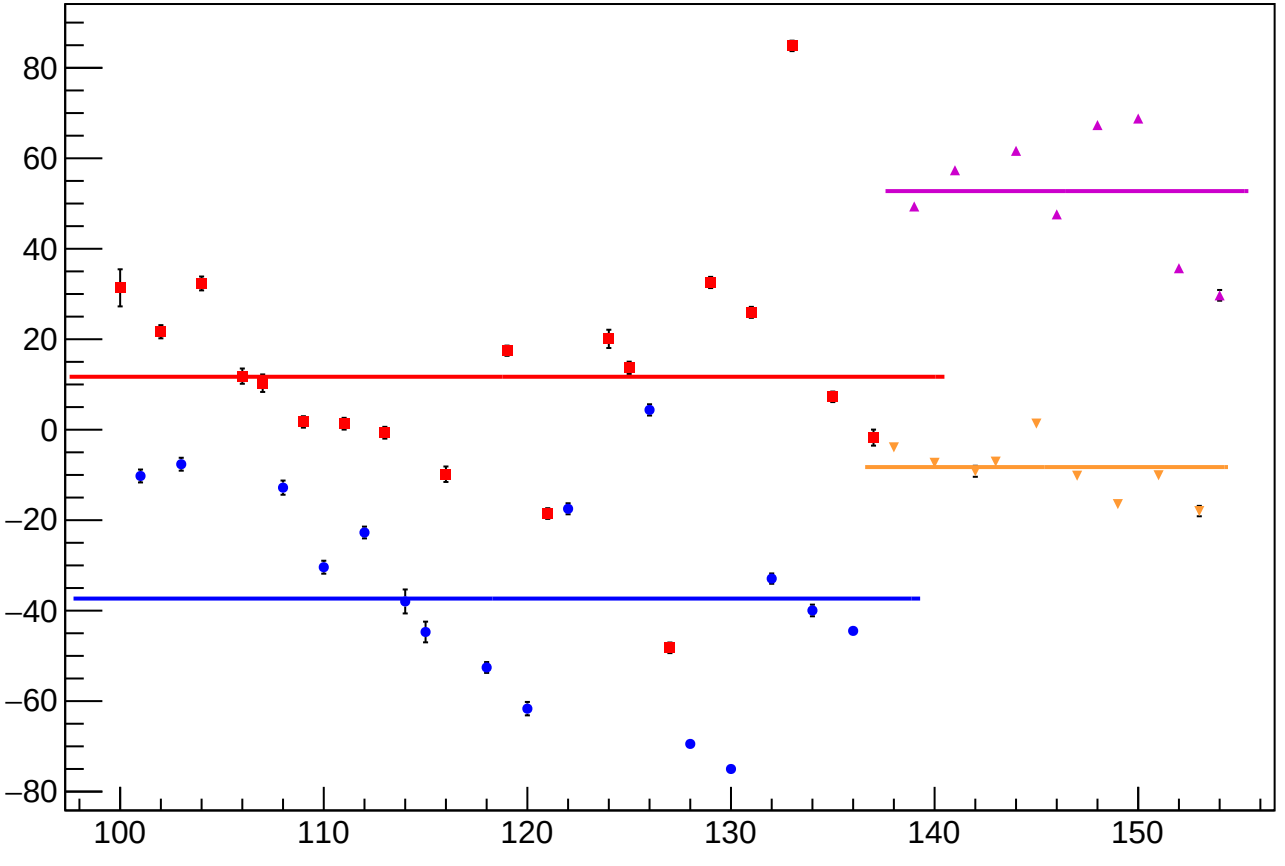
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 870.369+/-0.164 χ^2/NDF:268731.8/23

Out: 859.021+/-0.160 χ^2/NDF:258665.9/27

All: 864.558+/-0.115 χ^2/NDF: 529848.0/51

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: 52.750+/-0.335 χ^2/NDF:1351.4/7

Left: 20.933+/-0.232 χ^2/NDF: 18934.3/16

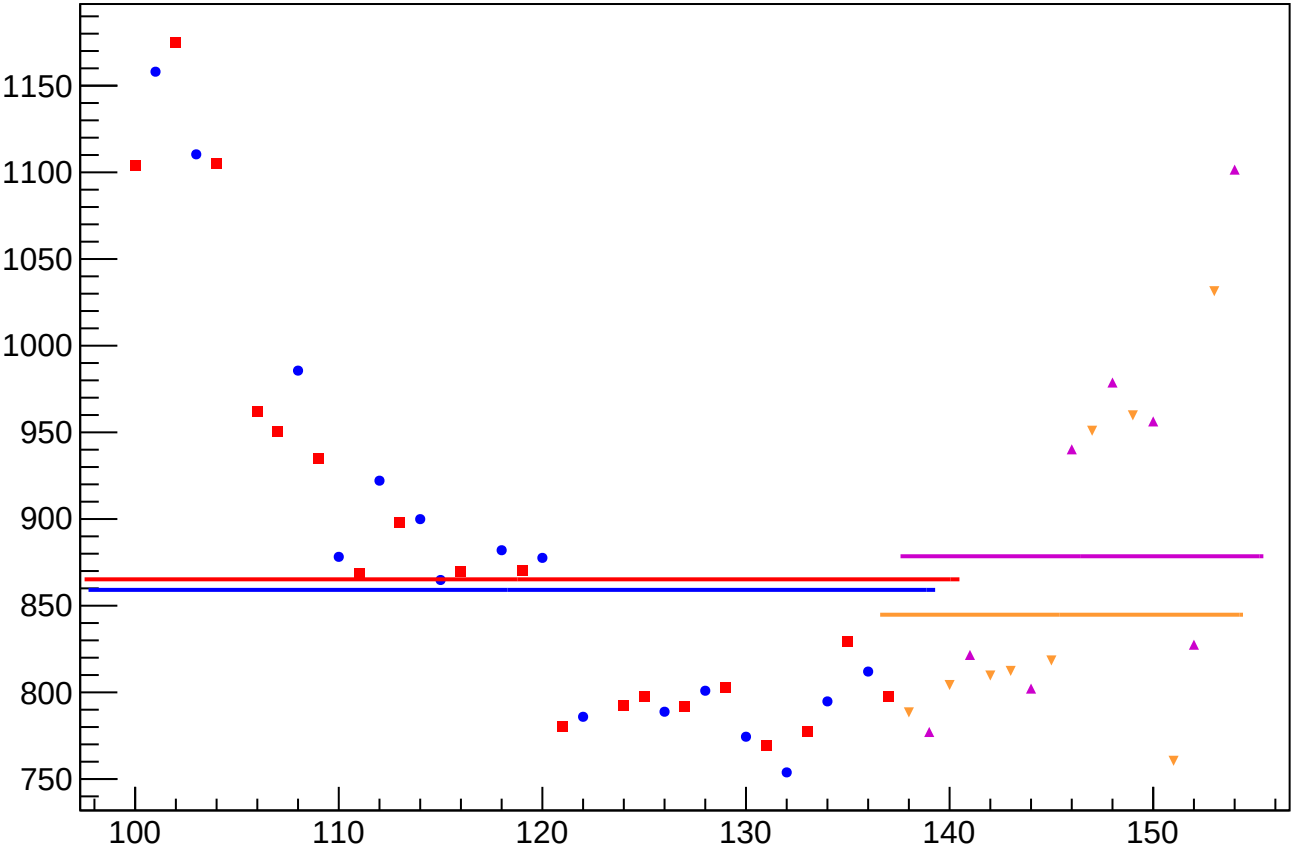
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 5.899+/-0.232 χ^2/NDF:44155.7/23

Out: 1.814+/-0.226 χ^2/NDF:10697.4/27

All: 3.802+/-0.162 χ^2/NDF: 55012.2/51

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: 878.521+/-0.237 χ^2/NDF:167823.3/7

Left: 860.937+/-0.164 χ^2/NDF: 314551.4/16

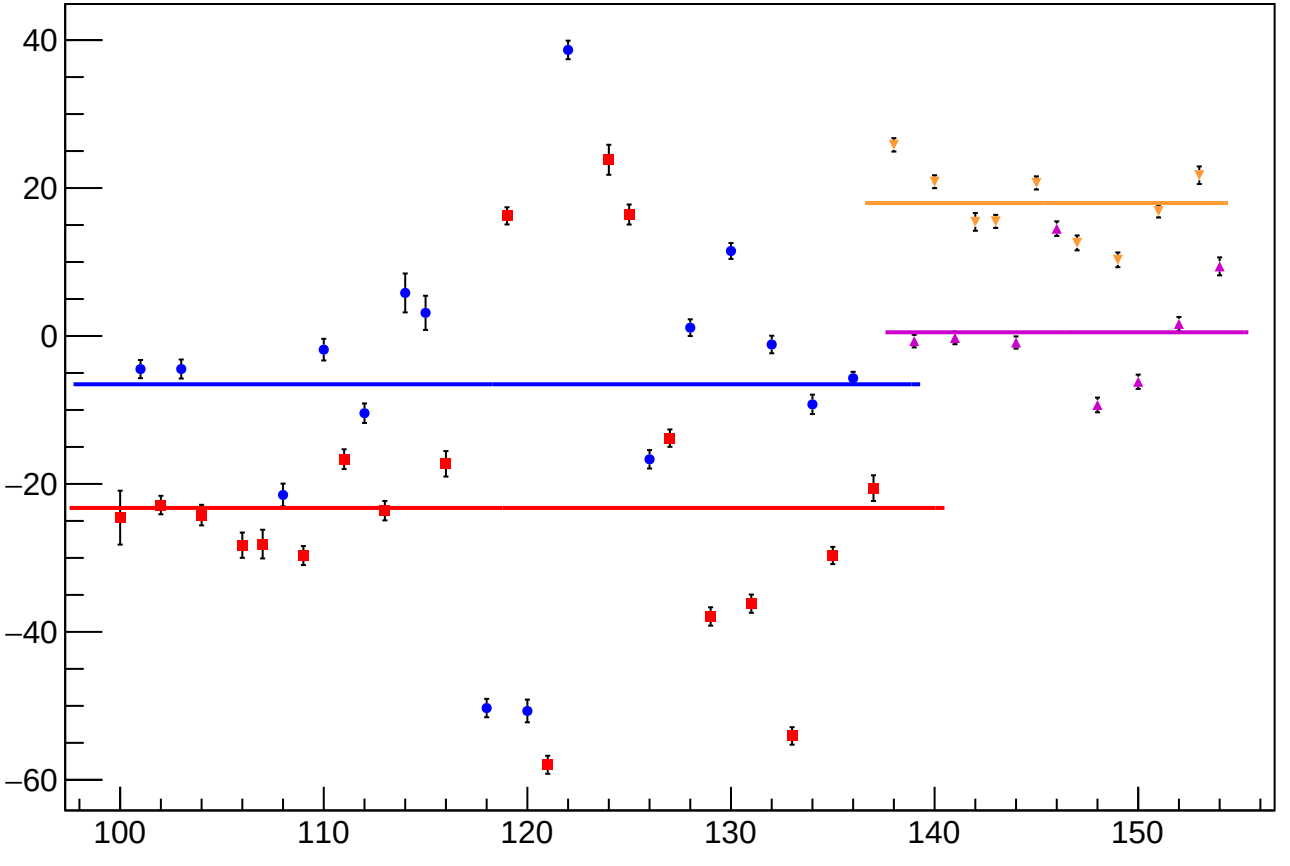
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 868.434+/-0.164 χ^2/NDF:400021.2/23

Out: 855.101+/-0.160 χ^2/NDF:363910.9/27

All: 861.587+/-0.114 χ^2/NDF: 767323.5/51

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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: 0.498+/-0.332 χ^2/NDF:407.5/7

Left: 9.557+/-0.230 χ^2/NDF: 2054.7/16

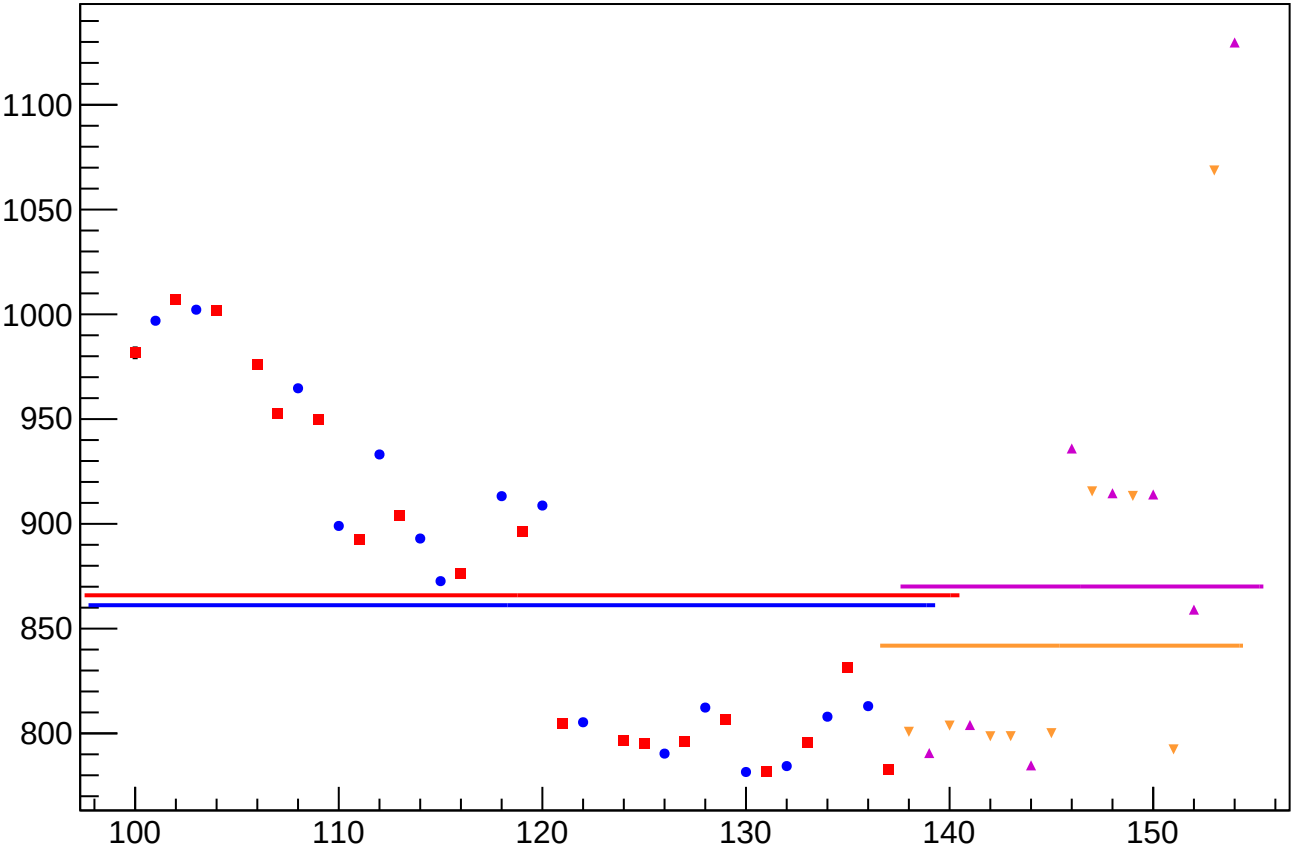
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -3.126+/-0.231 χ^2/NDF:4585.3/23

Out: -2.797+/-0.225 χ^2/NDF:13061.8/27

All: -2.958+/-0.161 χ^2/NDF: 17648.2/51

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: 870.103+/-0.234 χ^2/NDF:158977.6/7

Left: 855.464+/-0.163 χ^2/NDF: 286345.9/16

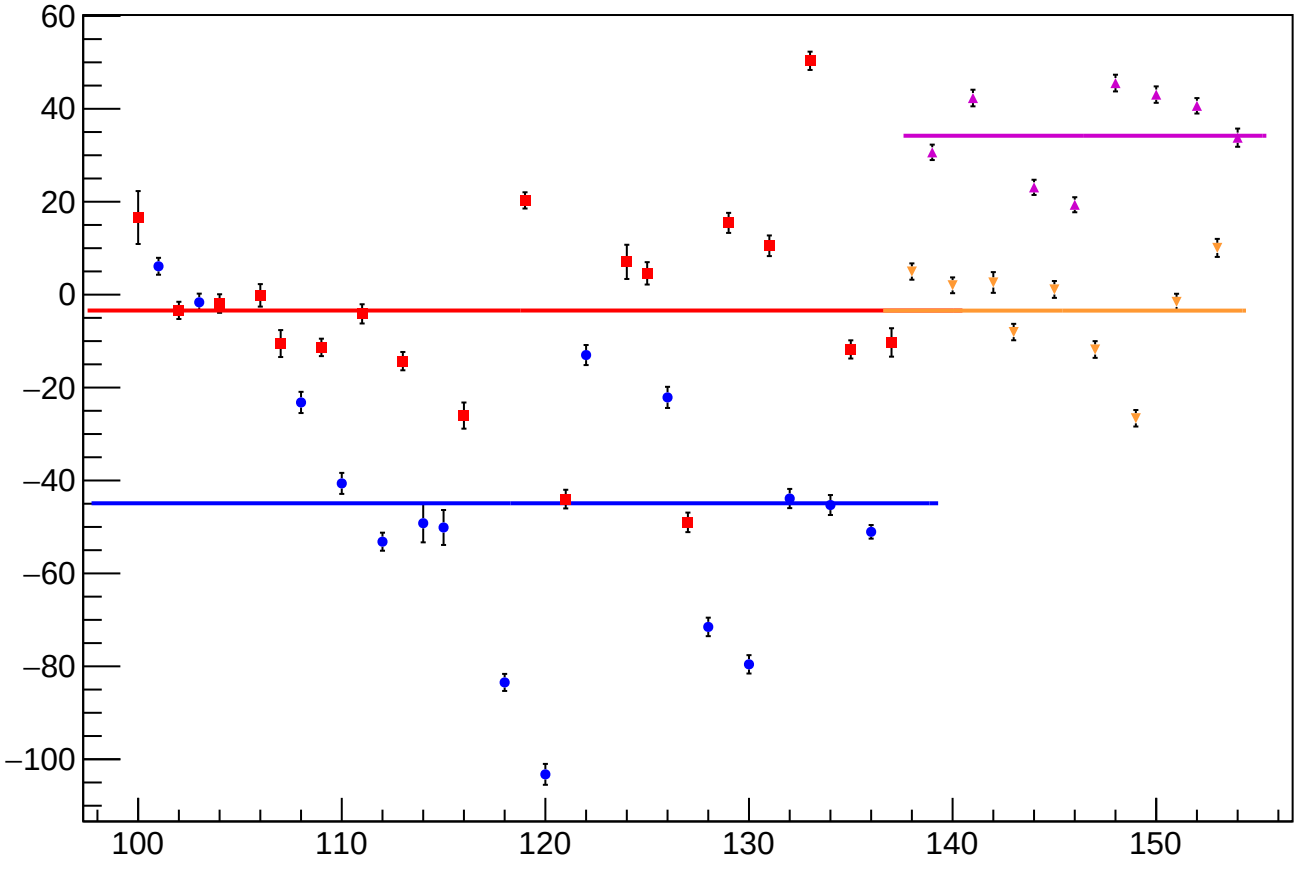
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 865.495+/-0.163 χ^2/NDF:273256.6/23

Out: 853.981+/-0.159 χ^2/NDF:243969.8/27

All: 859.596+/-0.114 χ^2/NDF: 519779.3/51

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: 34.202+/-0.611 χ^2/NDF:235.2/7

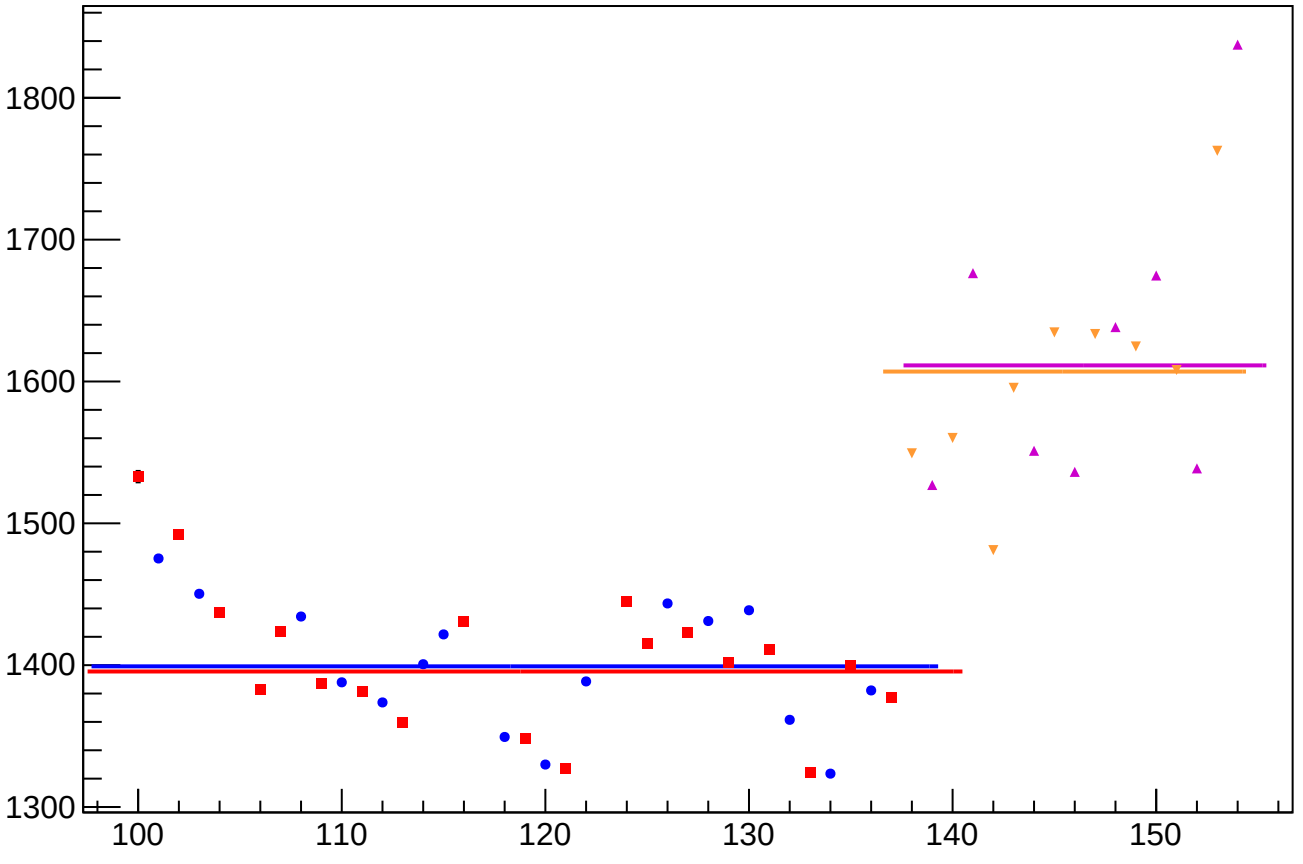
Left: 15.273+/-0.431 χ^2/NDF: 2440.1/16

Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -11.665+/-0.396 χ^2/NDF:13341.1/23

Out: -3.424+/-0.390 χ^2/NDF:2397.0/27

All: -7.484+/-0.278 χ^2/NDF: 15957.9/51



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: 1611.347+/-0.432 χ^2/NDF:48285.1/7

Left: 1609.161+/-0.304 χ^2/NDF: 72419.8/16

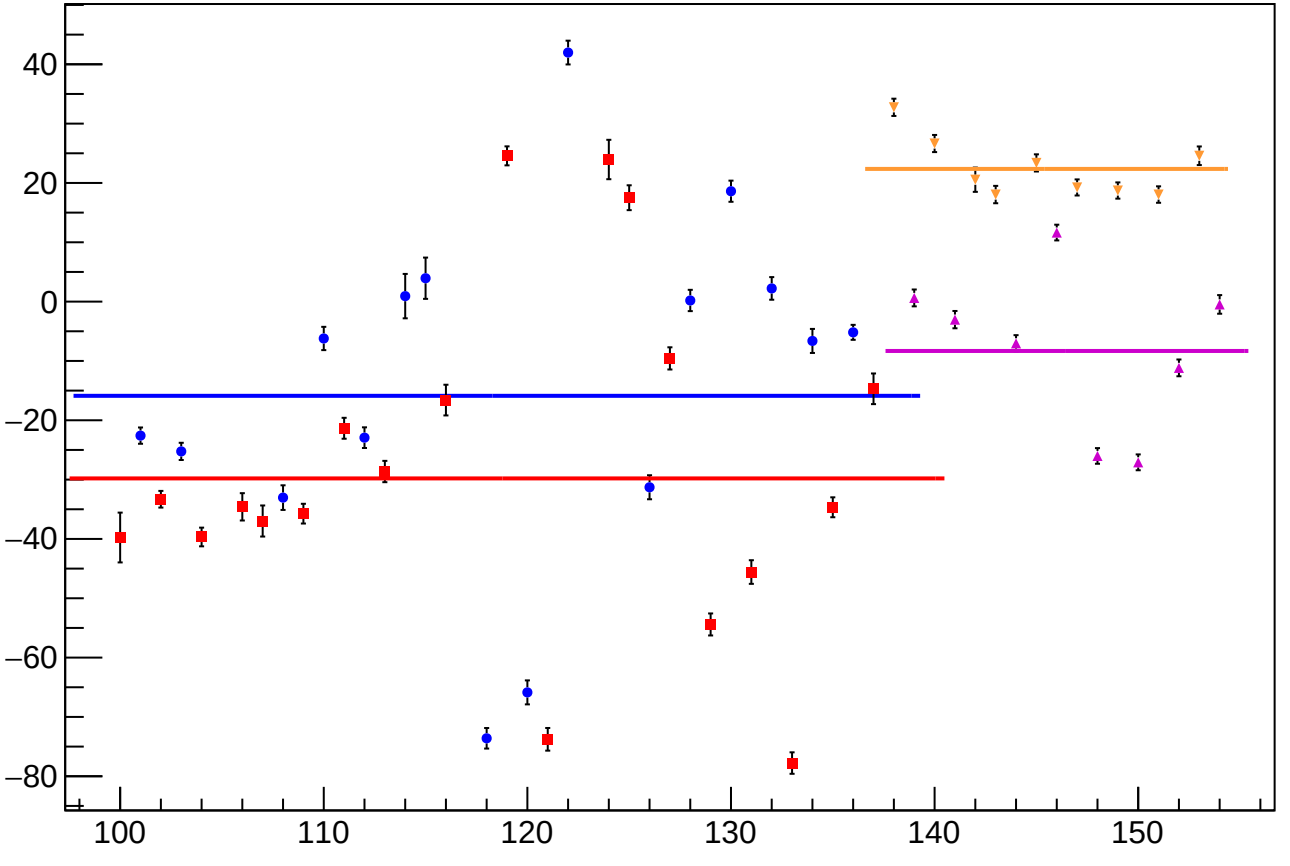
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1488.326+/-0.280 χ^2/NDF:203097.1/23

Out: 1482.855+/-0.276 χ^2/NDF:182757.2/27

All: 1485.550+/-0.196 χ^2/NDF: 386048.0/51

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: -8.319+/-0.494 χ^2/NDF:687.4/7

Left: 7.086+/-0.348 χ^2/NDF: 2721.7/16

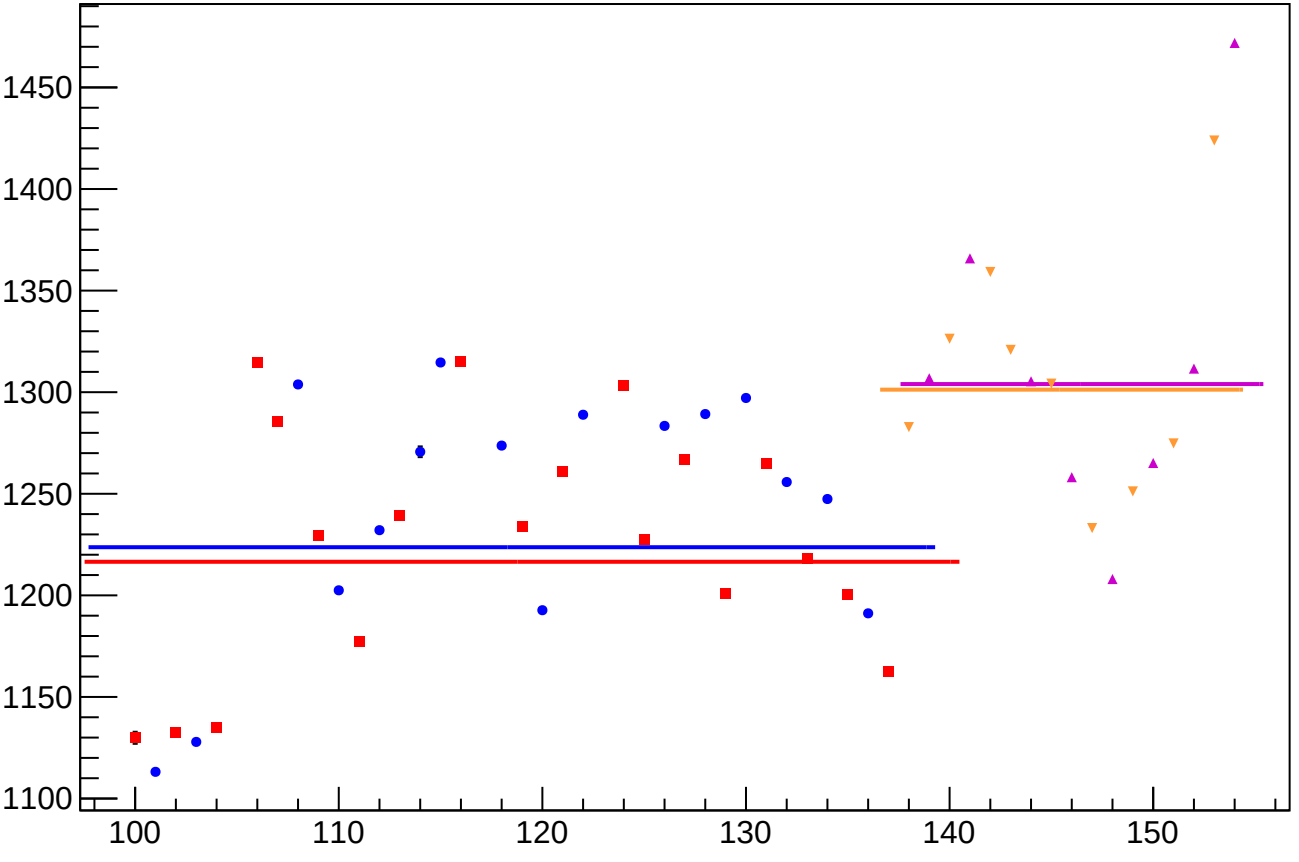
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -12.403+/-0.335 χ^2/NDF:4291.9/23

Out: -6.341+/-0.330 χ^2/NDF:9972.8/27

All: -9.327+/-0.235 χ^2/NDF: 14431.3/51

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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: 1304.006+/-0.349 χ^2/NDF:41252.3/7

Left: 1302.622+/-0.246 χ^2/NDF: 64862.8/16

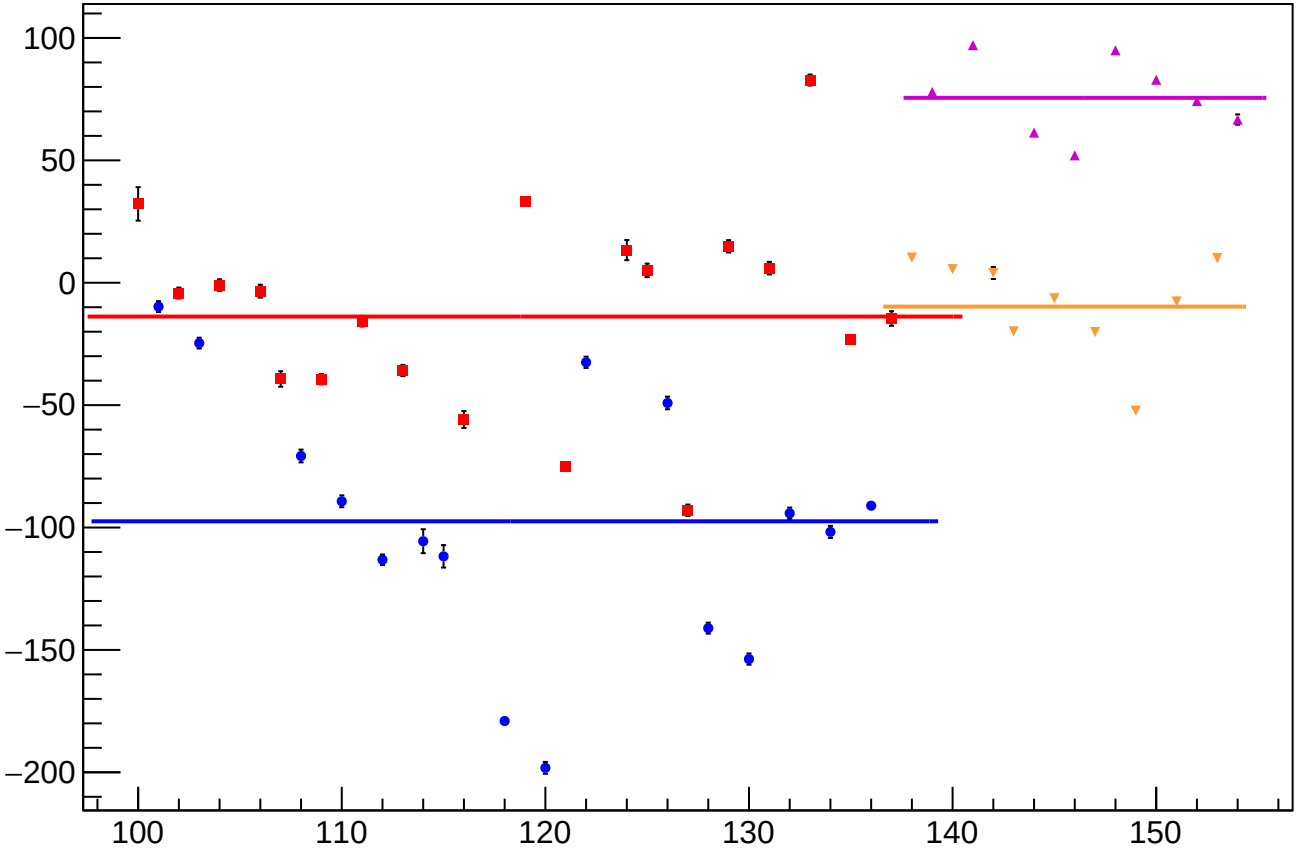
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1260.617+/-0.237 χ^2/NDF:110743.9/23

Out: 1254.629+/-0.233 χ^2/NDF:85649.1/27

All: 1257.578+/-0.166 χ^2/NDF: 196718.0/51

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: 75.543+/-0.630 χ^2/NDF:570.6/7

Left: 32.395+/-0.443 χ^2/NDF: 10813.6/16

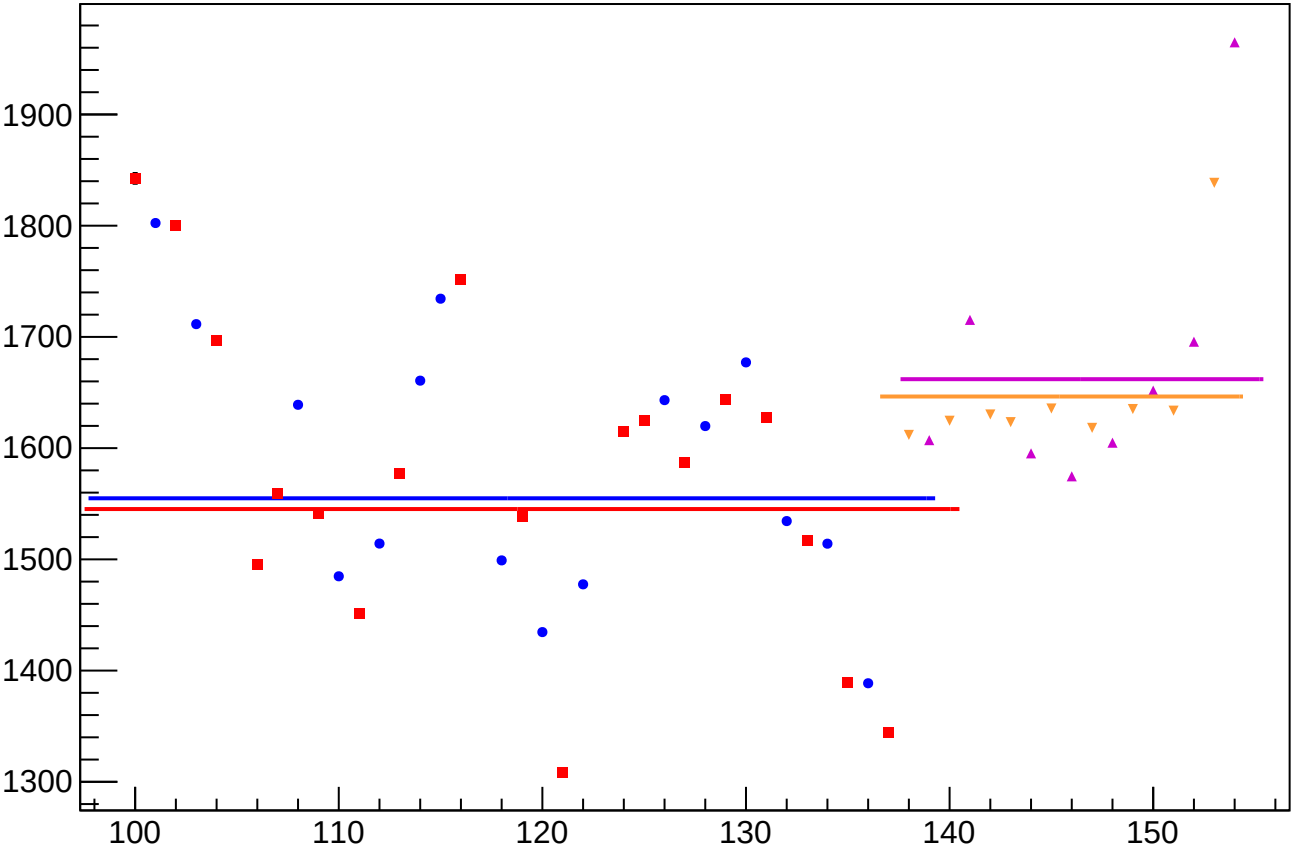
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -18.119+/-0.426 χ^2/NDF:49751.8/23

Out: -11.976+/-0.419 χ^2/NDF:6333.4/27

All: -14.991+/-0.299 χ^2/NDF: 56191.0/51

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: 1661.994+/-0.445 χ^2/NDF:57053.2/7

Left: 1654.113+/-0.313 χ^2/NDF: 77835.3/16

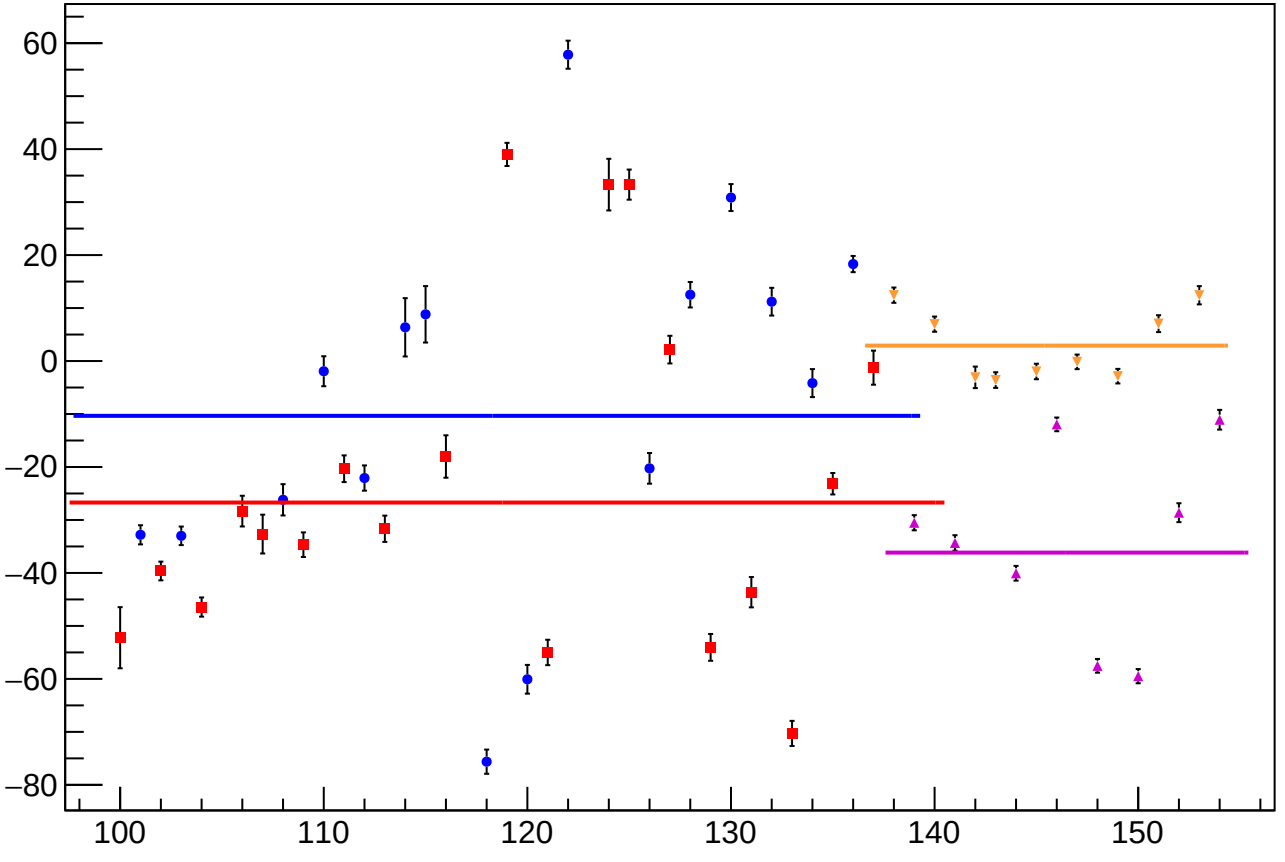
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1604.017+/-0.301 χ^2/NDF:176301.0/23

Out: 1591.022+/-0.296 χ^2/NDF:157905.1/27

All: 1597.400+/-0.211 χ^2/NDF: 335152.3/51

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: -36.158+/-0.512 χ^2/NDF:1147.4/7

Left: -16.367+/-0.359 χ^2/NDF: 4252.7/16

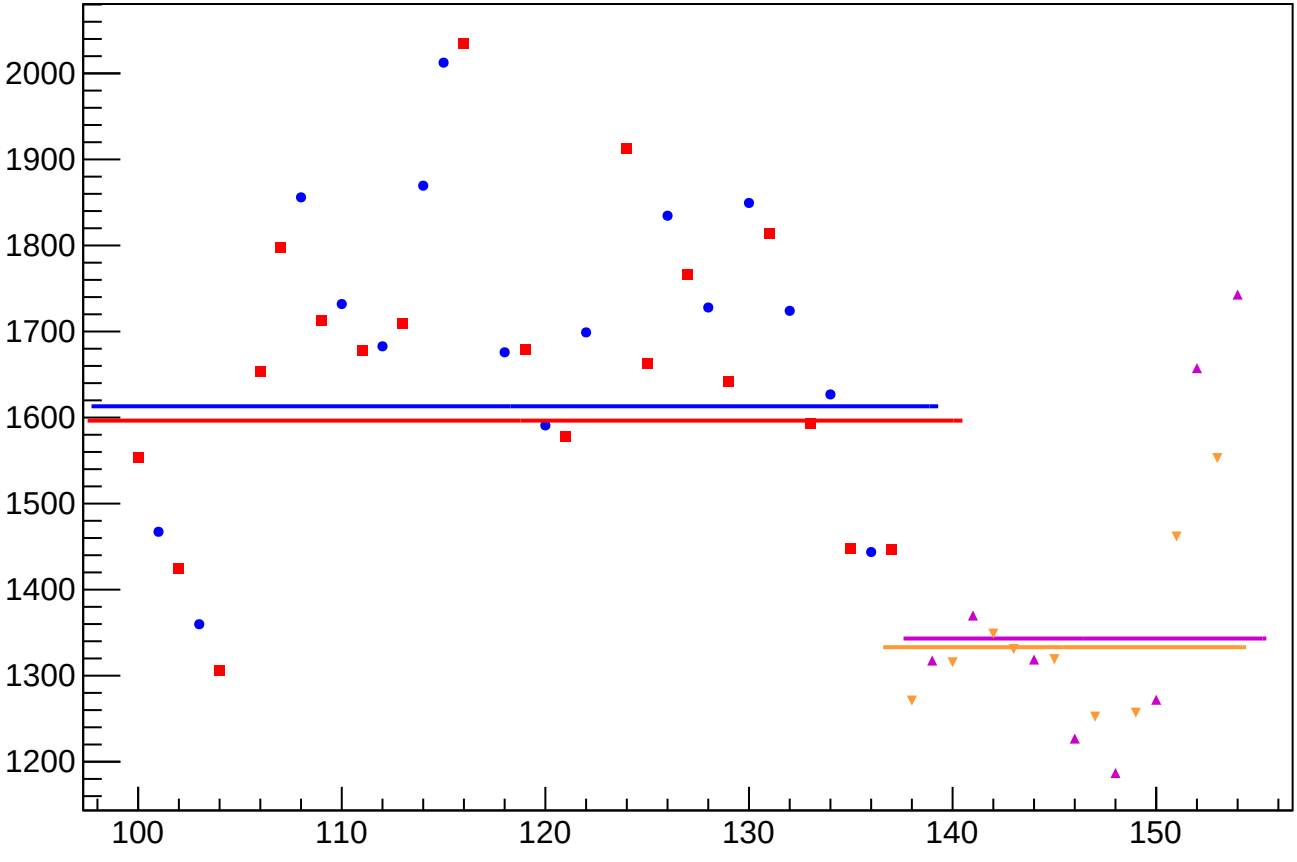
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -25.358+/-0.390 χ^2/NDF:5219.7/23

Out: -9.700+/-0.383 χ^2/NDF:4156.7/27

All: -17.376+/-0.273 χ^2/NDF: 10197.6/51

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: 1343.176+/-0.362 χ^2/NDF:207184.4/7

Left: 1338.064+/-0.254 χ^2/NDF: 270555.5/16

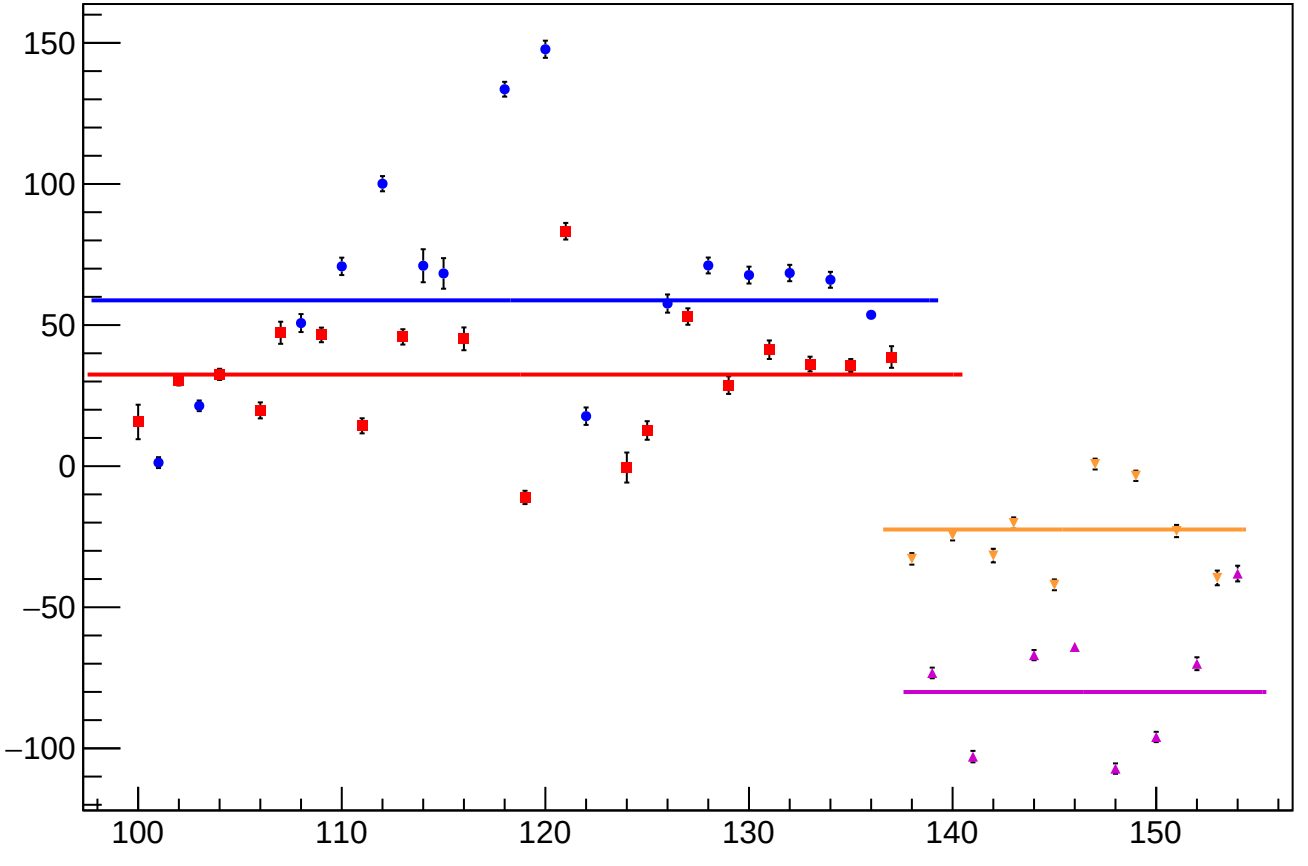
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1456.113+/-0.276 χ^2/NDF:594853.7/23

Out: 1445.214+/-0.271 χ^2/NDF:455369.4/27

All: 1450.557+/-0.193 χ^2/NDF: 1051018.8/51

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: -80.034+/-0.696 χ^2/NDF:814.4/7

Left: -50.764+/-0.488 χ^2/NDF: 4743.5/16

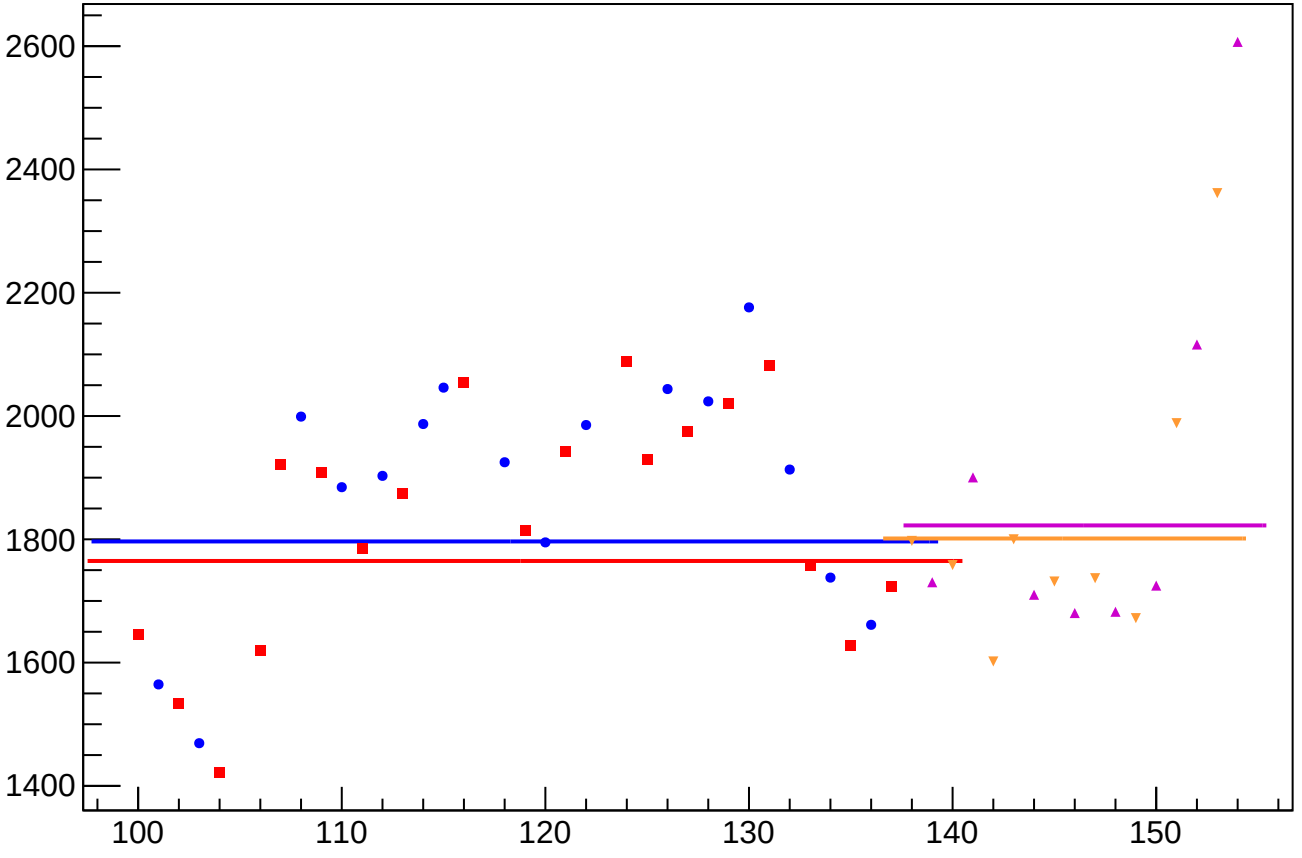
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -8.286+/-0.483 χ^2/NDF:24837.2/23

Out: 6.486+/-0.471 χ^2/NDF:4769.1/27

All: -0.702+/-0.337 χ^2/NDF: 30085.6/51

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: 1822.534+/-0.492 χ^2/NDF:237695.9/7

Left: 1811.761+/-0.345 χ^2/NDF: 375523.6/16

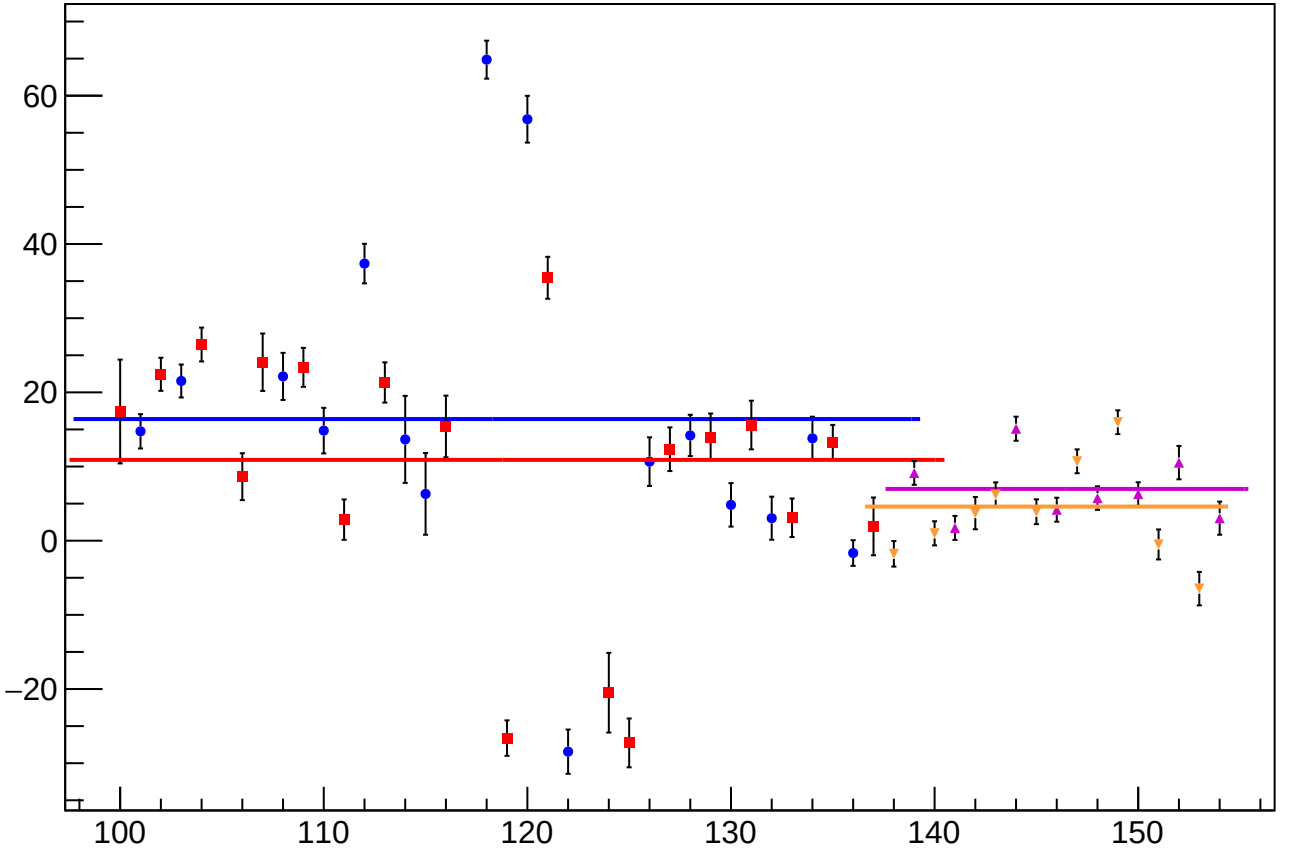
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1809.104+/-0.342 χ^2/NDF:432309.8/23

Out: 1782.119+/-0.333 χ^2/NDF:329866.2/27

All: 1795.249+/-0.238 χ^2/NDF: 765375.0/51

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: 6.981+/-0.605 χ^2/NDF:46.9/7

Left: 5.761+/-0.423 χ^2/NDF: 169.7/16

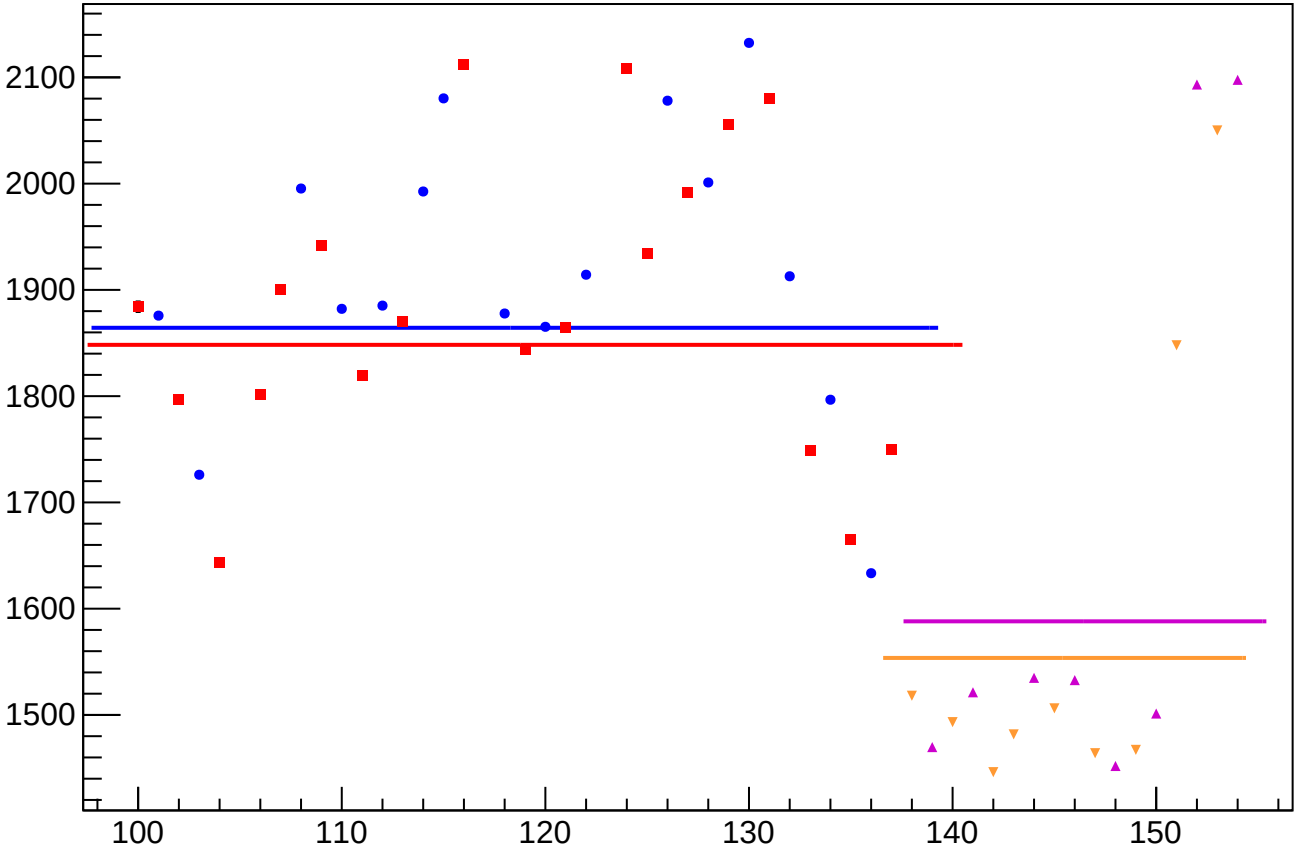
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 11.043+/-0.456 χ^2/NDF:1124.3/23

Out: 7.325+/-0.445 χ^2/NDF:805.9/27

All: 9.136+/-0.319 χ^2/NDF: 1964.2/51

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: 1588.085+/-0.428 χ^2/NDF:244471.9/7

Left: 1570.435+/-0.299 χ^2/NDF: 412816.2/16

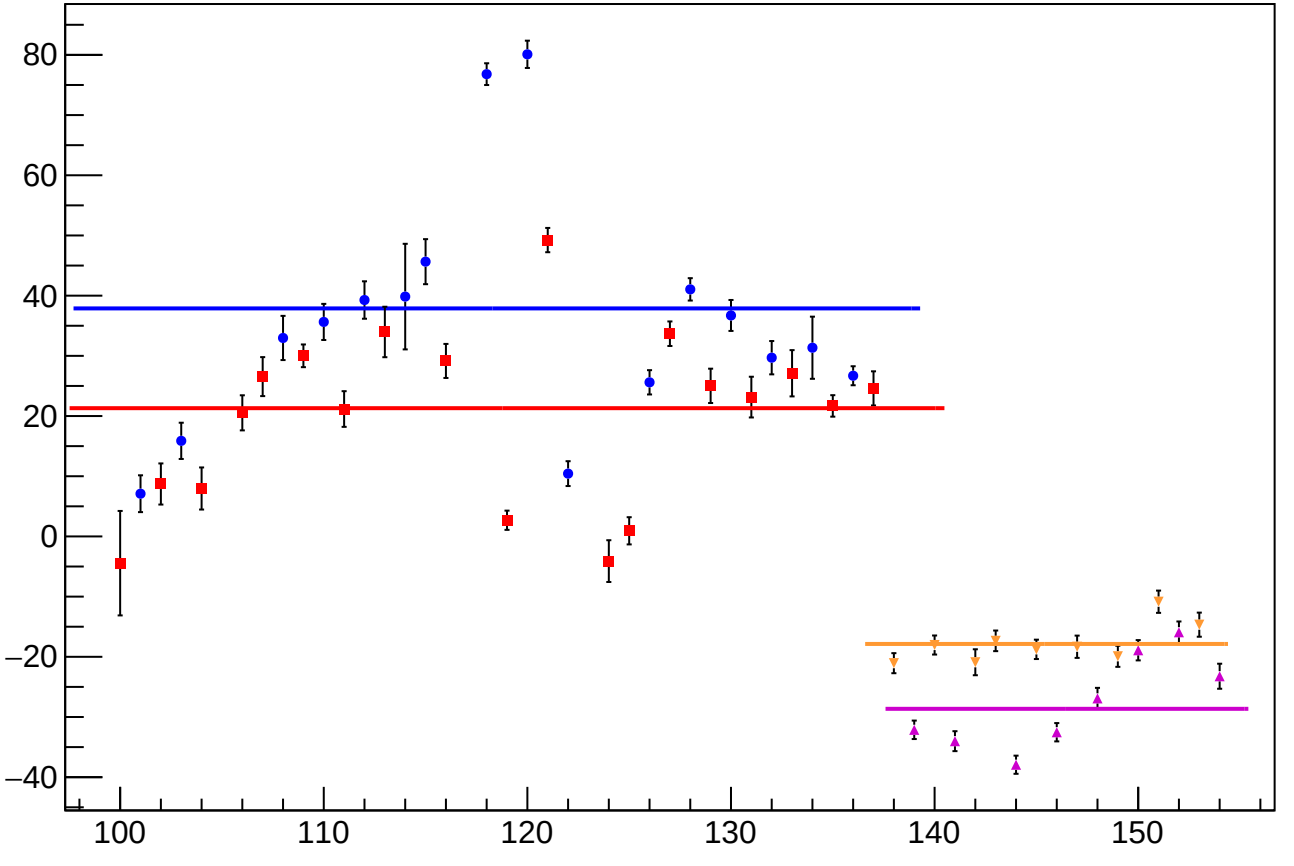
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1707.237+/-0.323 χ^2/NDF:507491.5/23

Out: 1681.050+/-0.314 χ^2/NDF:455468.2/27

All: 1693.803+/-0.225 χ^2/NDF: 966337.5/51

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: -28.641+/-0.589 χ^2/NDF:151.7/7

Left: -23.274+/-0.417 χ^2/NDF: 342.9/16

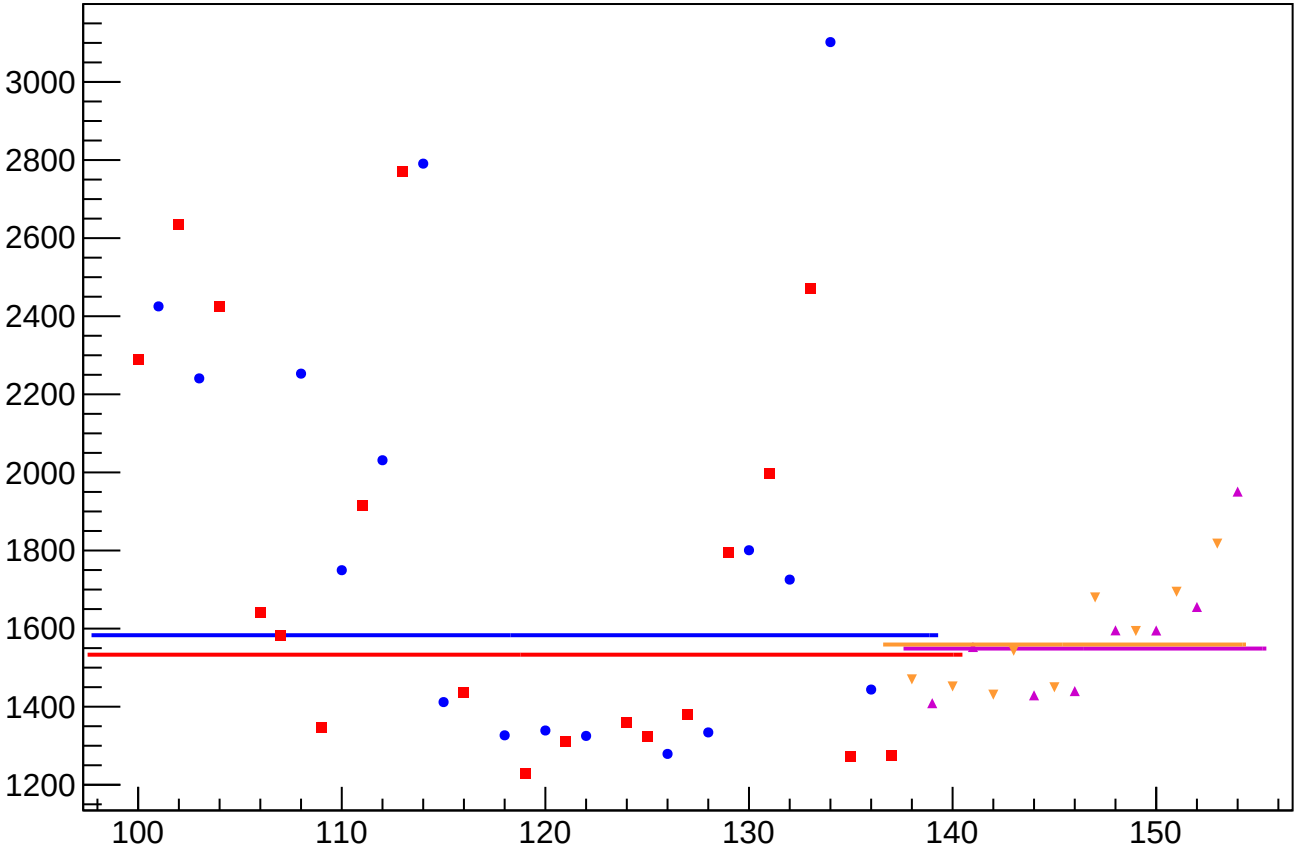
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 2.784+/-0.428 χ^2/NDF:7429.0/23

Out: 1.665+/-0.419 χ^2/NDF:2795.3/27

All: 2.212+/-0.299 χ^2/NDF: 10227.8/51

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: 1548.894+/-0.416 χ^2/NDF:124242.8/7

Left: 1554.034+/-0.295 χ^2/NDF: 209263.5/16

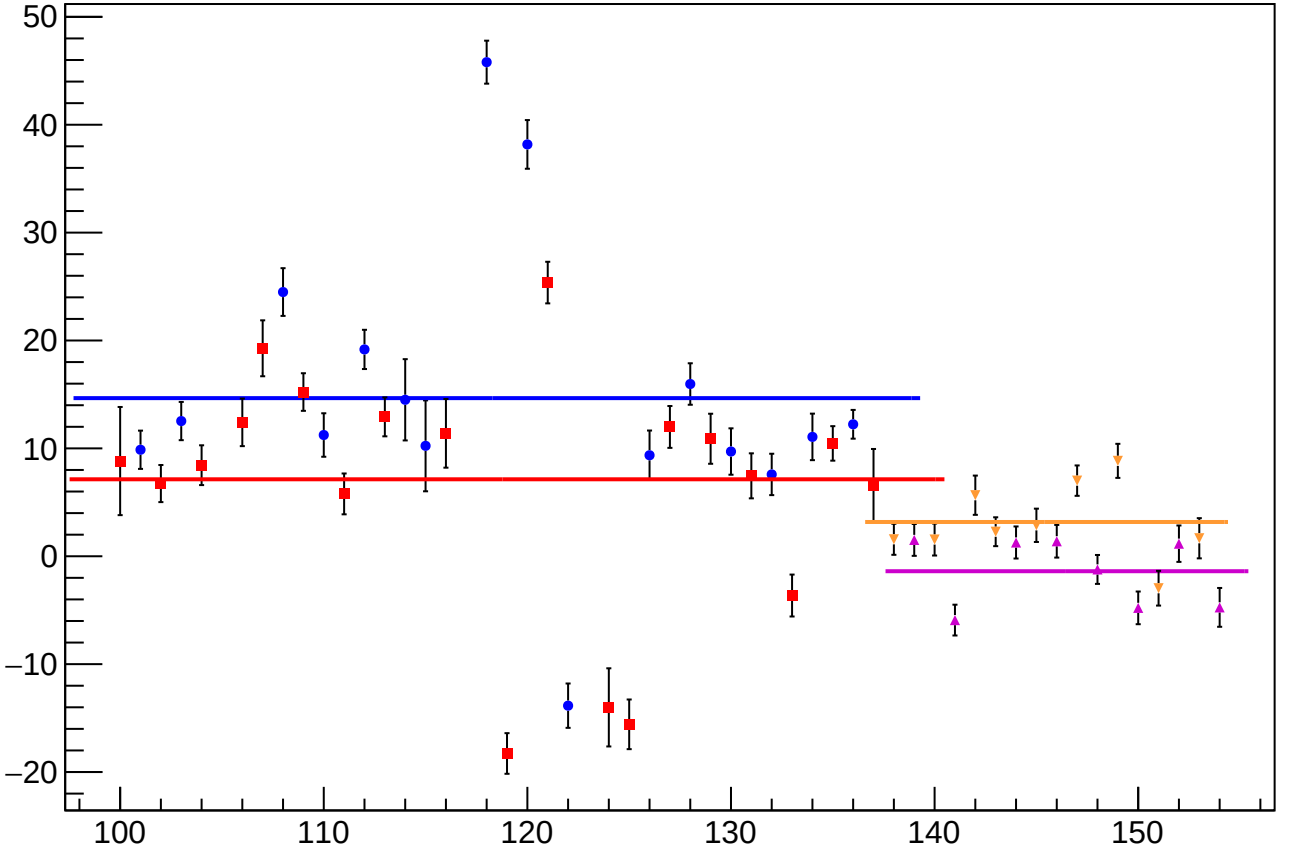
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1565.029+/-0.302 χ^2/NDF:915093.3/23

Out: 1546.240+/-0.296 χ^2/NDF:1037424.2/27

All: 1555.433+/-0.212 χ^2/NDF: 1954488.4/51

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: -1.386+/-0.535 χ^2/NDF:31.3/7

Left: 0.992+/-0.370 χ^2/NDF: 109.5/16

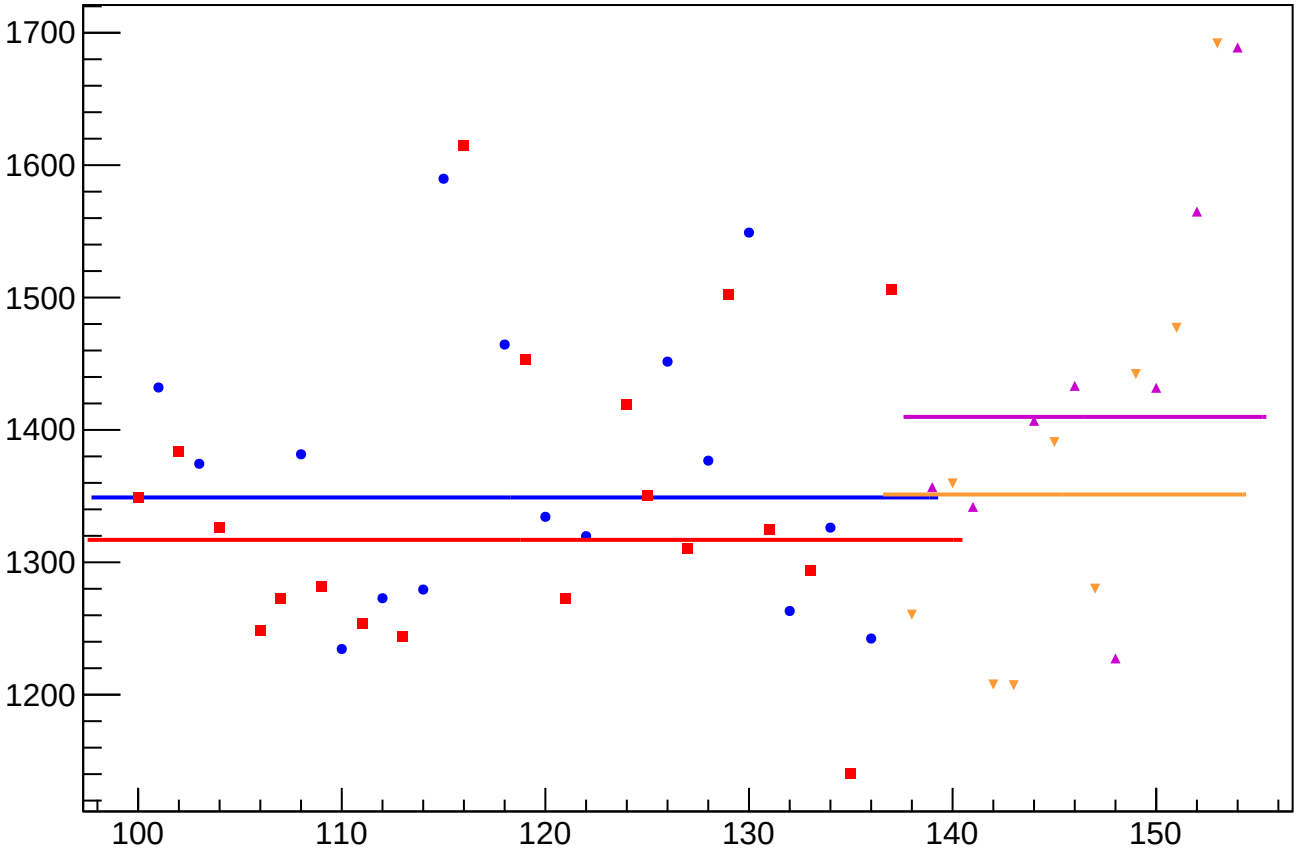
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 7.109+/-0.367 χ^2/NDF:1121.9/23

Out: 5.275+/-0.352 χ^2/NDF:581.3/27

All: 6.153+/-0.254 χ^2/NDF: 1716.2/51

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: 1409.860+/-0.378 χ^2/NDF:110047.4/7

Left: 1379.314+/-0.262 χ^2/NDF: 258436.9/16

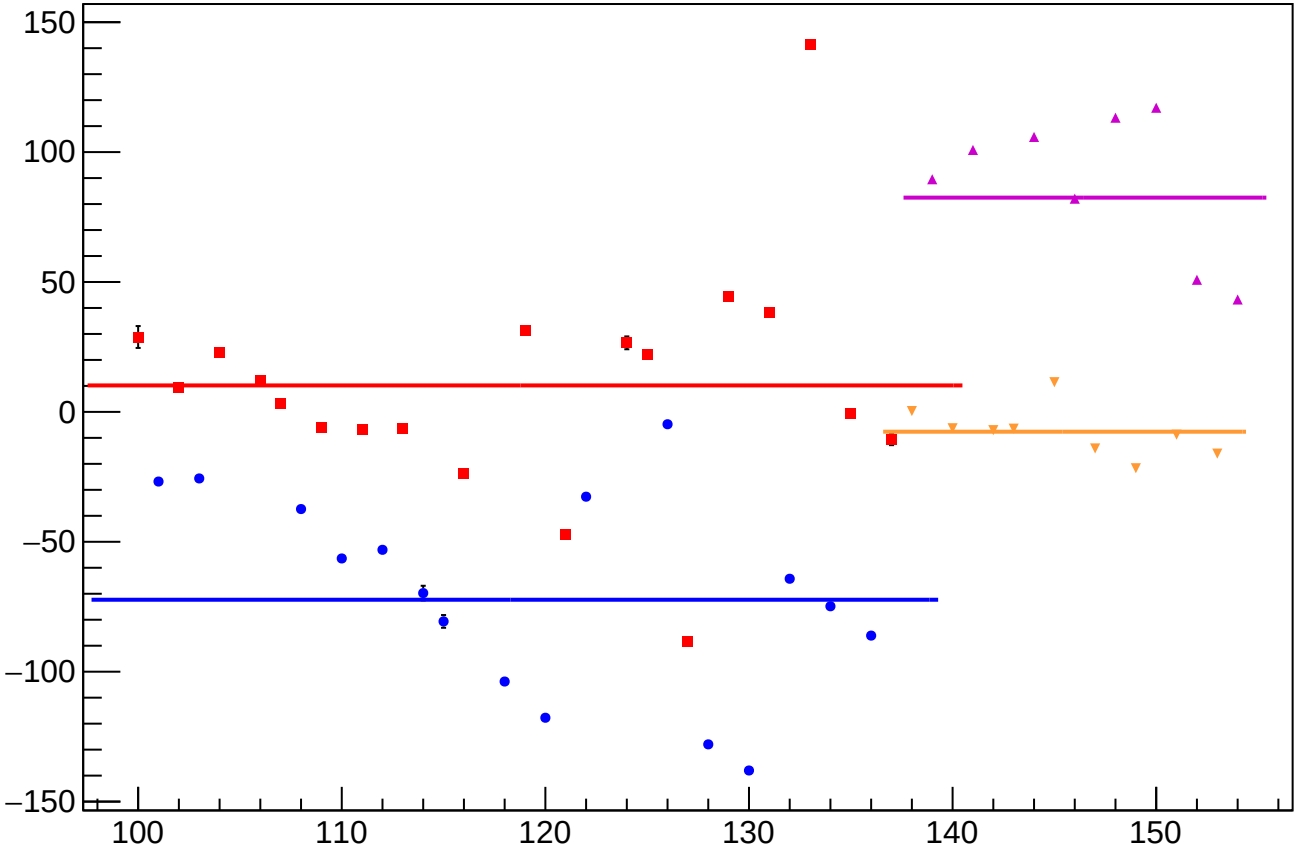
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1377.634+/-0.260 χ^2/NDF:192124.8/23

Out: 1333.068+/-0.249 χ^2/NDF:227489.7/27

All: 1354.400+/-0.180 χ^2/NDF: 434979.4/51

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: 82.473+/-0.345 χ^2/NDF:6100.5/7

Left: 36.570+/-0.242 χ^2/NDF: 41500.6/16

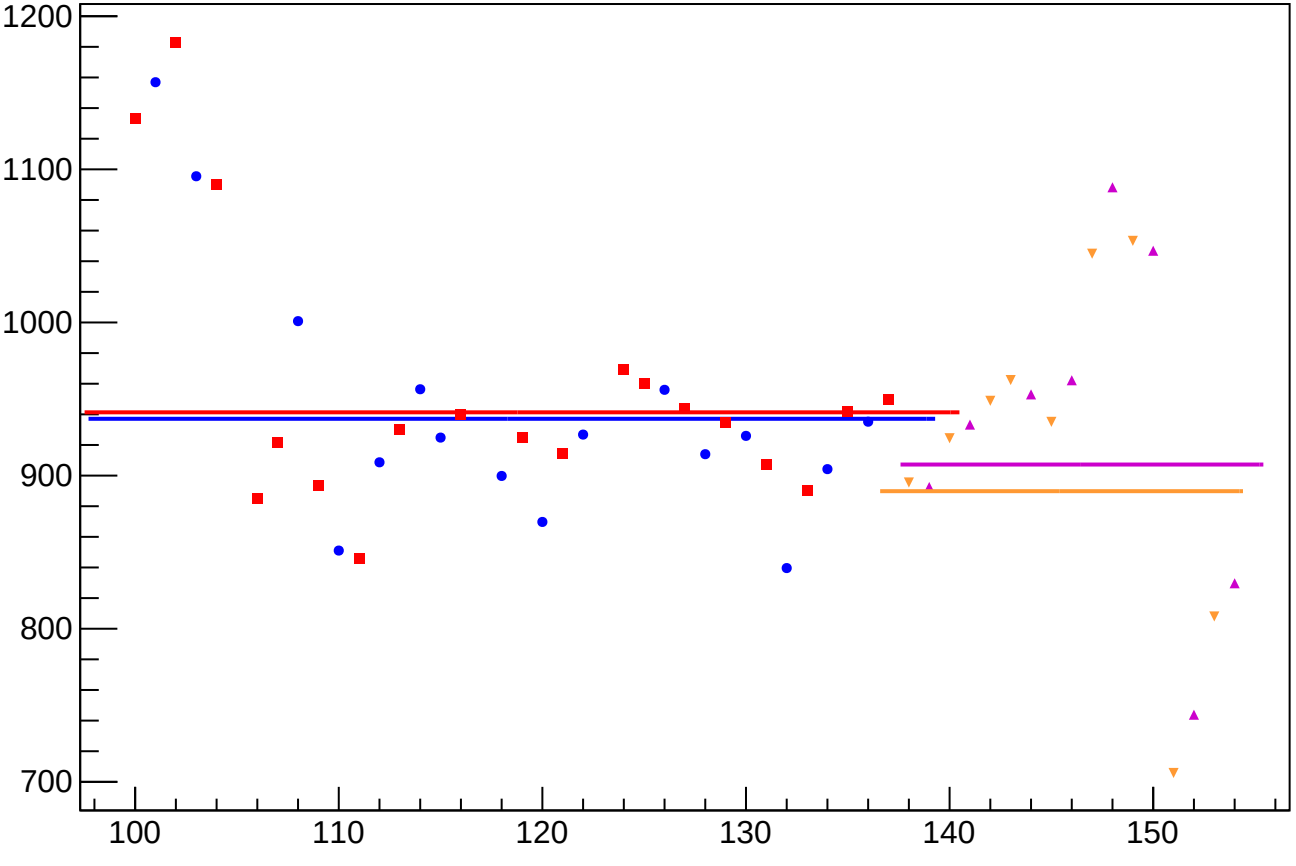
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 6.055+/-0.246 χ^2/NDF:117568.9/23

Out: 1.128+/-0.242 χ^2/NDF:21079.0/27

All: 3.551+/-0.172 χ^2/NDF: 138852.5/51

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: 907.226+/-0.244 χ^2/NDF:188521.8/7

Left: 898.361+/-0.171 χ^2/NDF: 418415.5/16

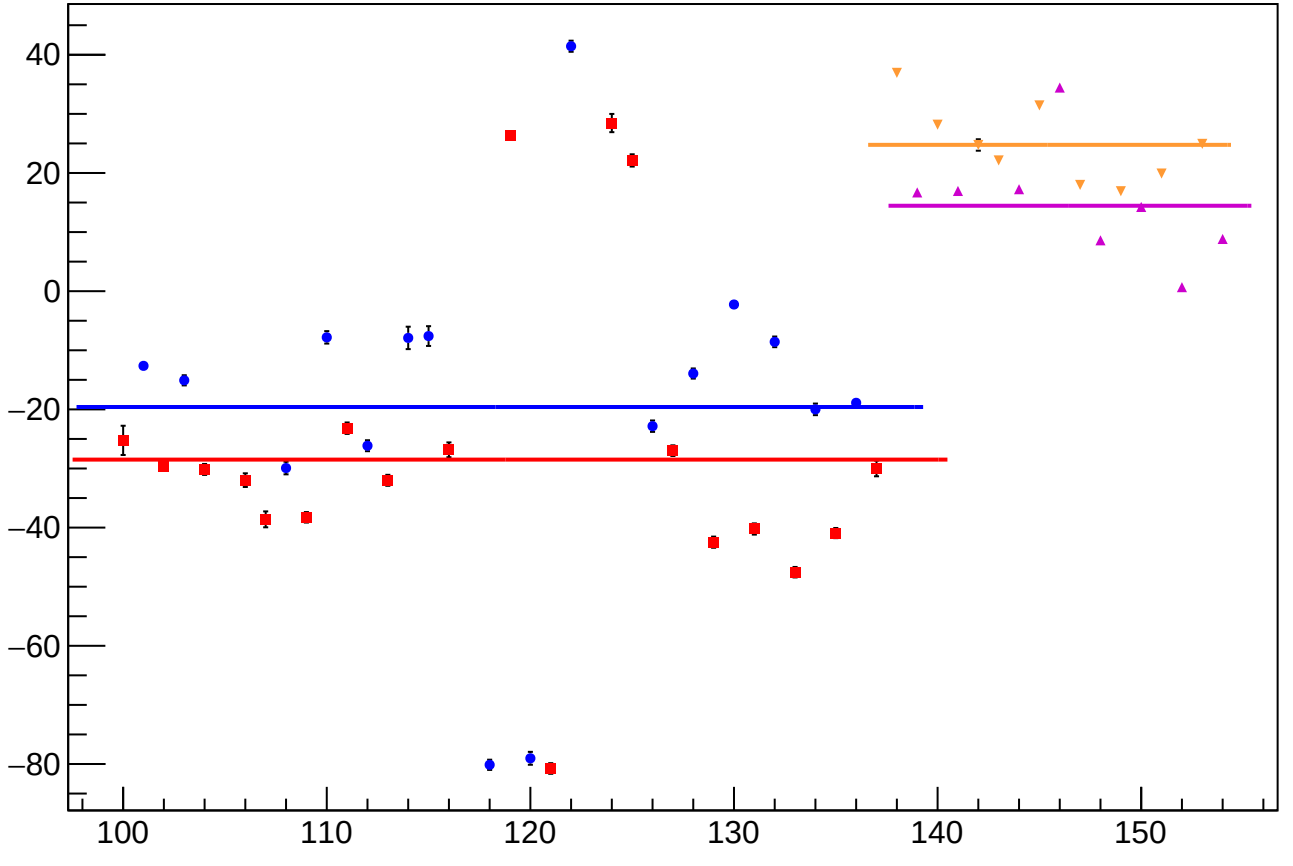
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 921.974+/-0.174 χ^2/NDF:300580.6/23

Out: 915.127+/-0.171 χ^2/NDF:351062.9/27

All: 918.494+/-0.122 χ^2/NDF: 652434.0/51

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: 14.456+/-0.251 χ^2/NDF:1384.1/7

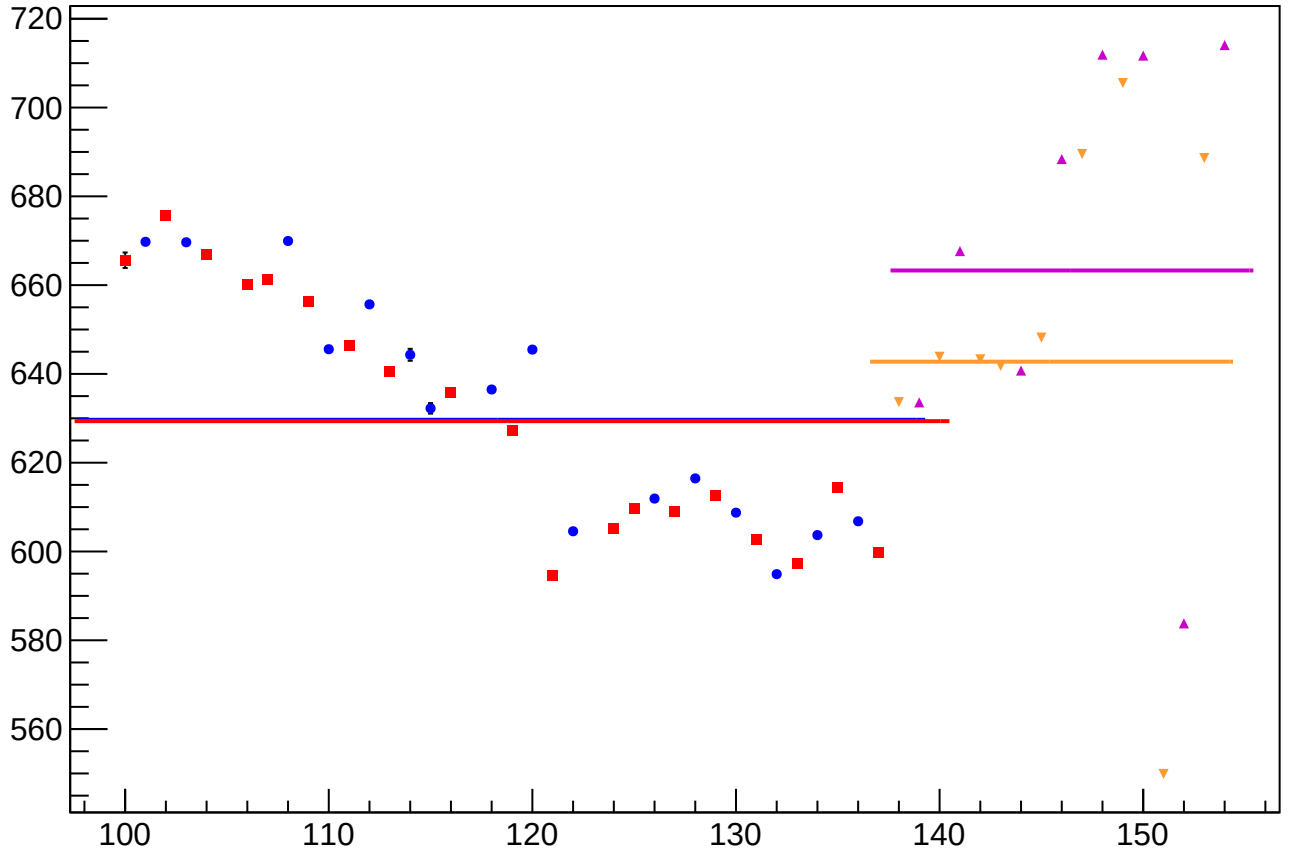
Left: 19.777+/-0.175 χ^2/NDF: 2912.8/16

Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -3.787+/-0.171 χ^2/NDF:24381.7/23

Out: -3.401+/-0.167 χ^2/NDF:38967.6/27

All: -3.589+/-0.120 χ^2/NDF: 63351.9/51



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: 663.303+/-0.178 χ^2/NDF:64830.6/7

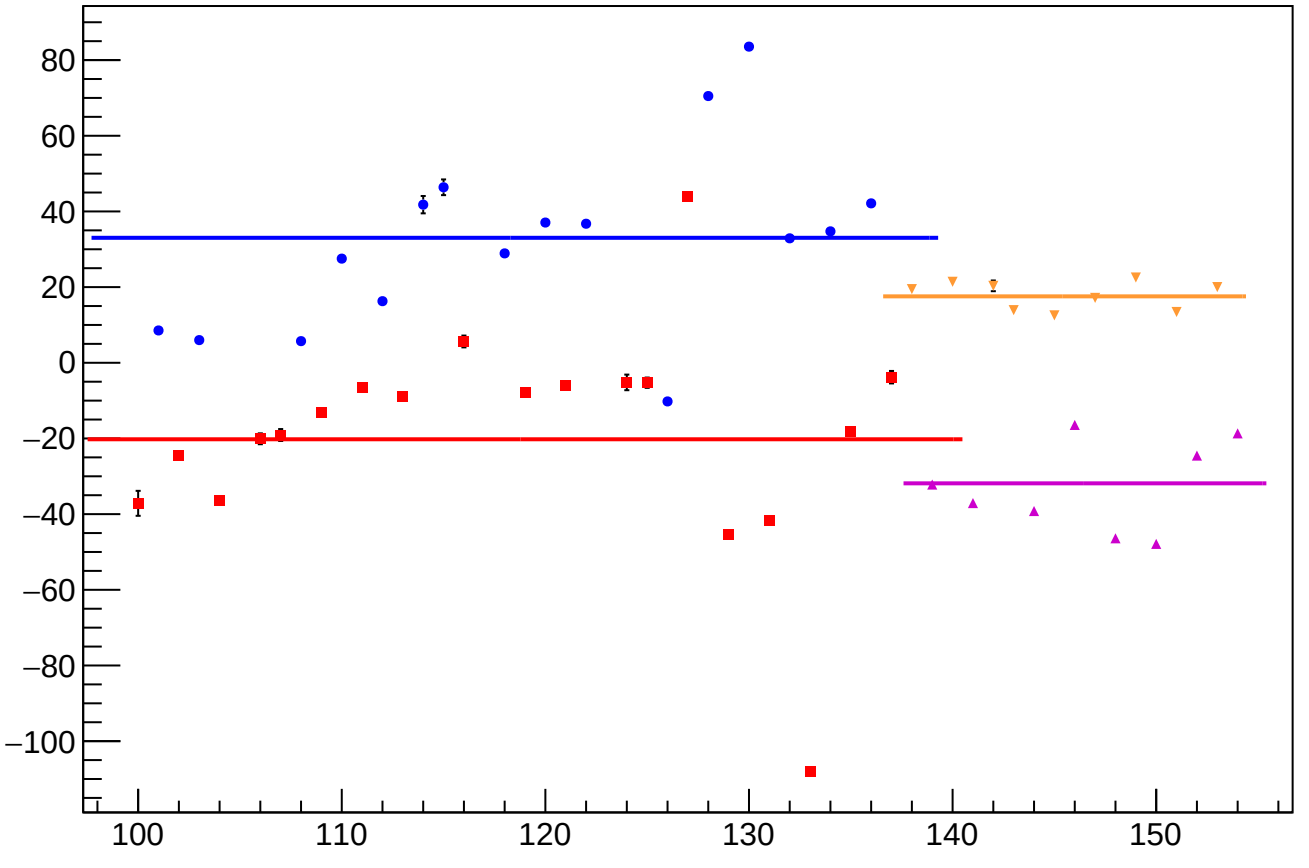
Left: 652.693+/-0.124 χ^2/NDF: 148452.5/16

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

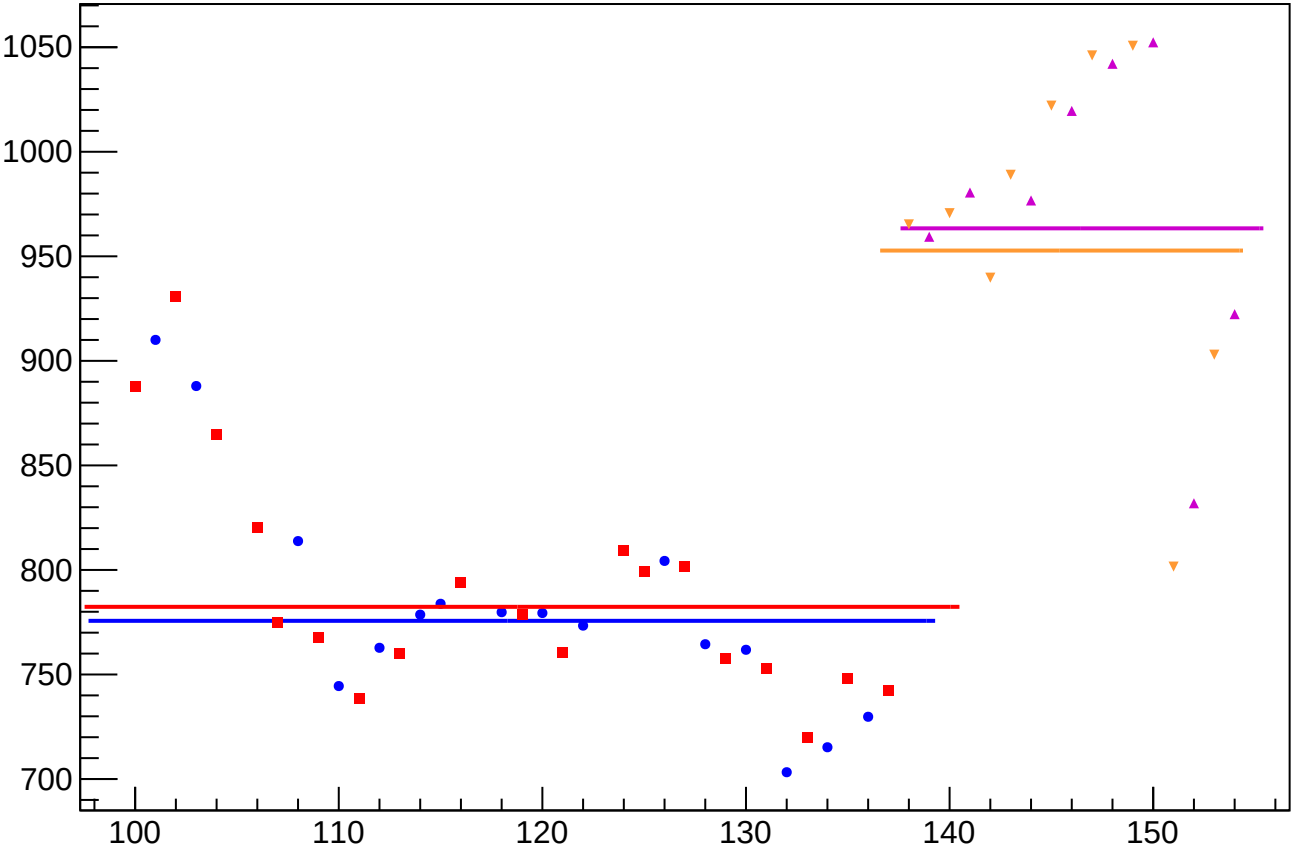
In: 645.280+/-0.121 χ^2/NDF:109330.8/23

Out: 635.673+/-0.118 χ^2/NDF:106721.0/27

All: 640.354+/-0.085 χ^2/NDF: 219276.4/51


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 33.033+/-0.289 χ²/NDF: 6700.1/15
Left Out: 17.556+/-0.361 χ²/NDF:98.2/8
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -31.860+/-0.365 χ²/NDF:898.6/7
Left: -6.872+/-0.257 χ²/NDF: 10262.6/16
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 8.042+/-0.227 χ²/NDF:27028.5/23
Out: -5.650+/-0.224 χ²/NDF:18695.9/27
All: 1.123+/-0.159 χ²/NDF: 47570.2/51

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: 963.376+/-0.258 χ^2/NDF:75244.1/7

Left: 958.007+/-0.181 χ^2/NDF: 179458.8/16

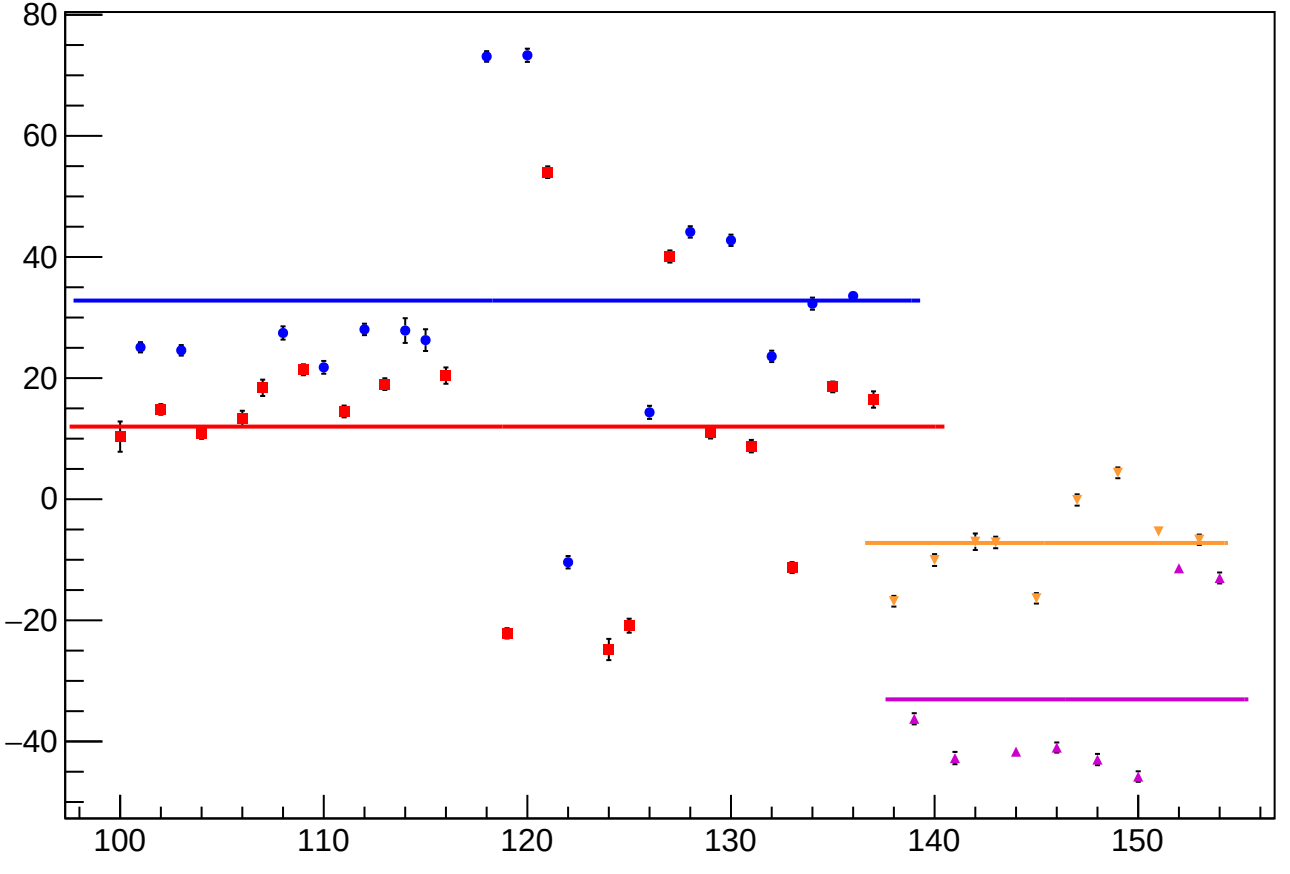
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 847.954+/-0.160 χ^2/NDF:475051.7/23

Out: 848.069+/-0.158 χ^2/NDF:441788.6/27

All: 848.012+/-0.113 χ^2/NDF: 916840.6/51

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: -33.049+/-0.305 χ^2/NDF:2028.2/7

Left: -19.867+/-0.214 χ^2/NDF: 6153.0/16

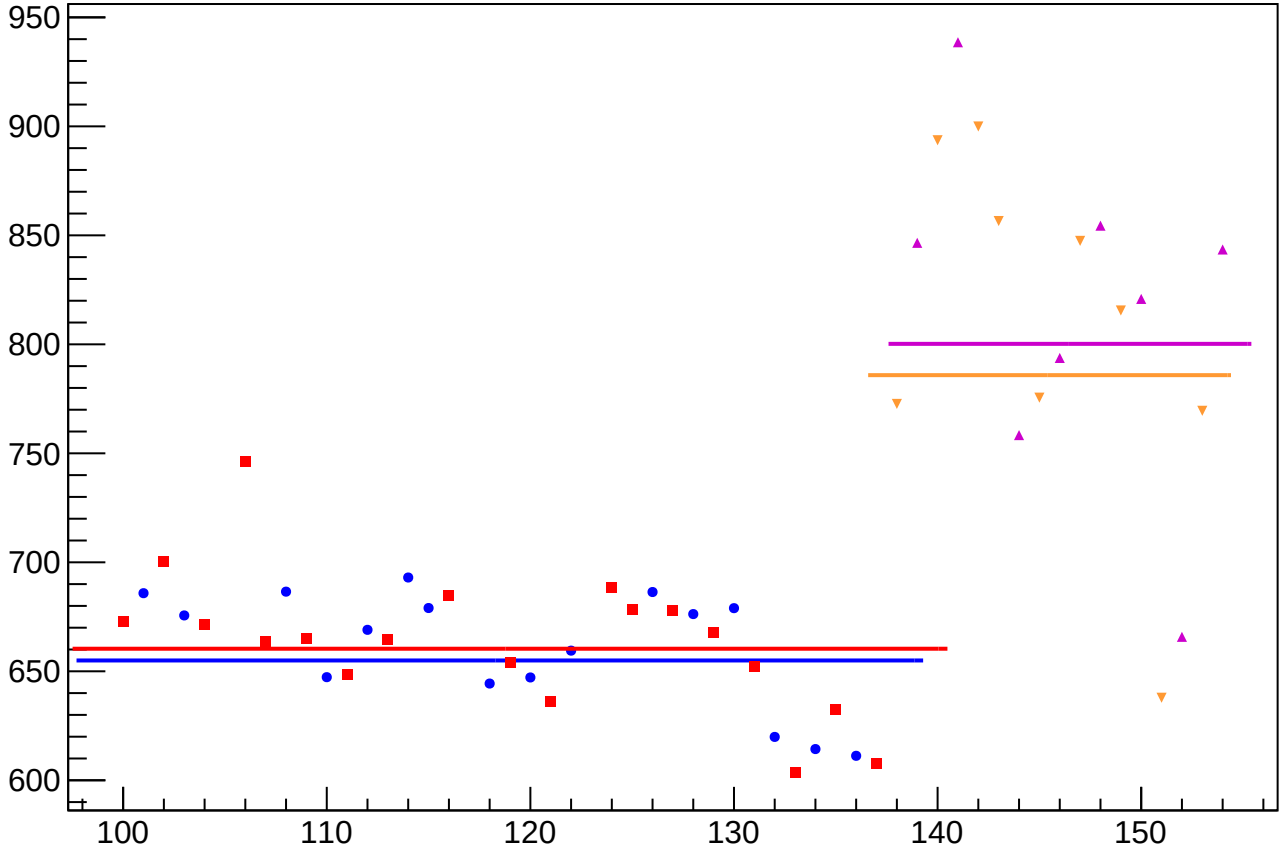
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 7.204+/-0.190 χ^2/NDF:36715.1/23

Out: 4.425+/-0.188 χ^2/NDF:9534.8/27

All: 5.795+/-0.134 χ^2/NDF: 46358.0/51

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: 800.218+/-0.216 χ^2/NDF:129189.7/7

Left: 792.890+/-0.151 χ^2/NDF: 284221.0/16

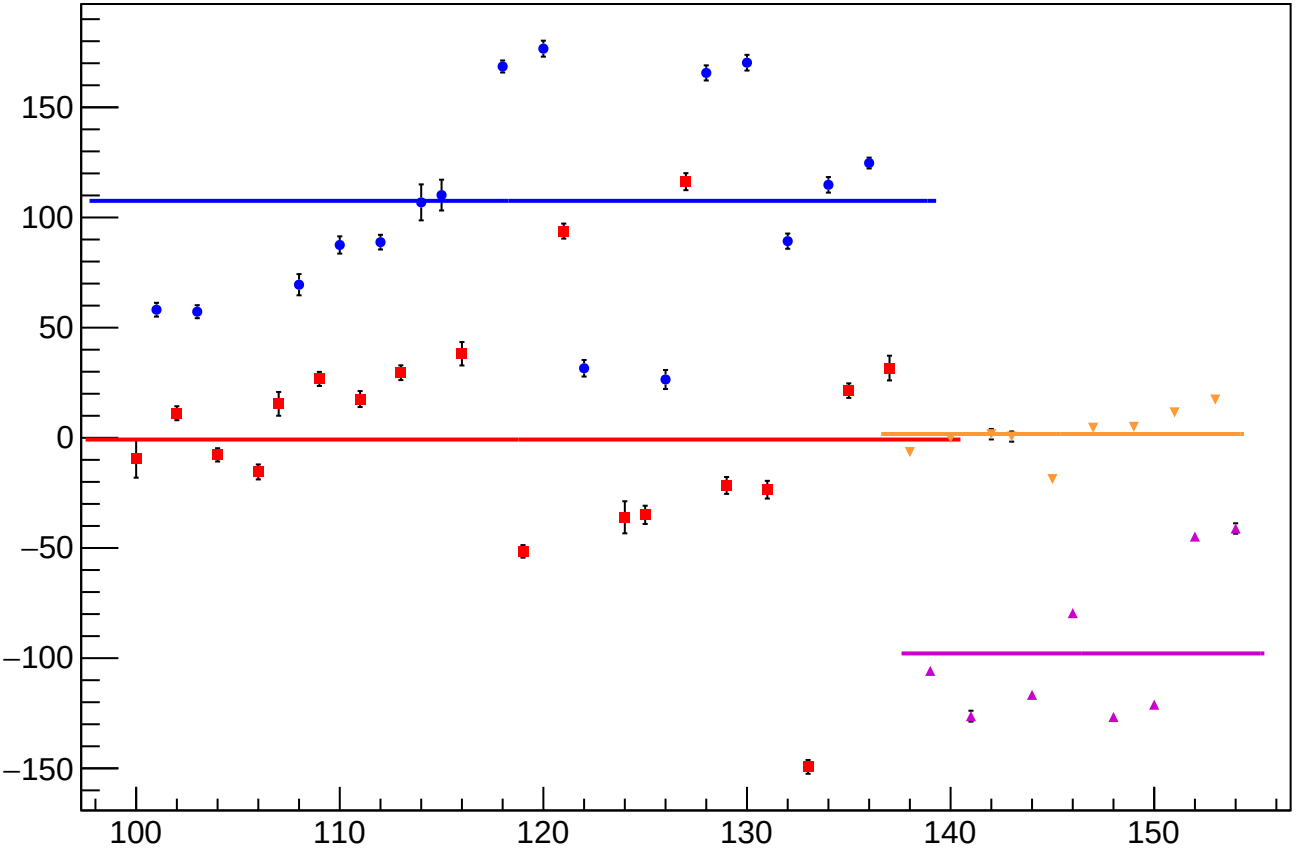
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 711.433+/-0.135 χ^2/NDF:432526.8/23

Out: 709.794+/-0.133 χ^2/NDF:396630.0/27

All: 710.602+/-0.095 χ^2/NDF: 829231.9/51

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: -97.854+/-0.679 χ^2/NDF:2059.4/7

Left: -48.137+/-0.481 χ^2/NDF: 12993.4/16

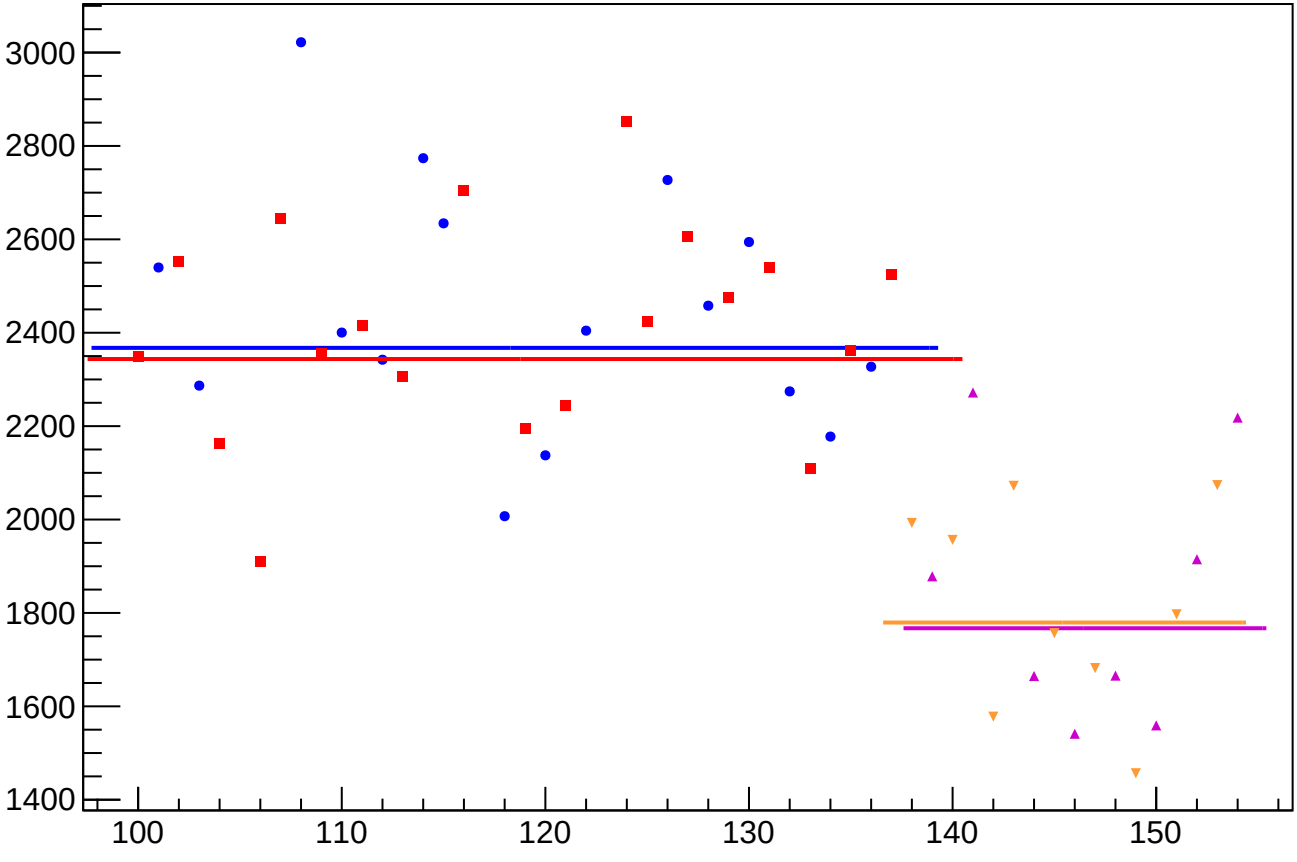
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -21.759+/-0.539 χ^2/NDF:38900.4/23

Out: 0.763+/-0.534 χ^2/NDF:4969.4/27

All: -10.389+/-0.379 χ^2/NDF: 44751.6/51

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: 1767.226+/-0.480 χ^2/NDF:255270.7/7

Left: 1773.334+/-0.340 χ^2/NDF: 454285.4/16

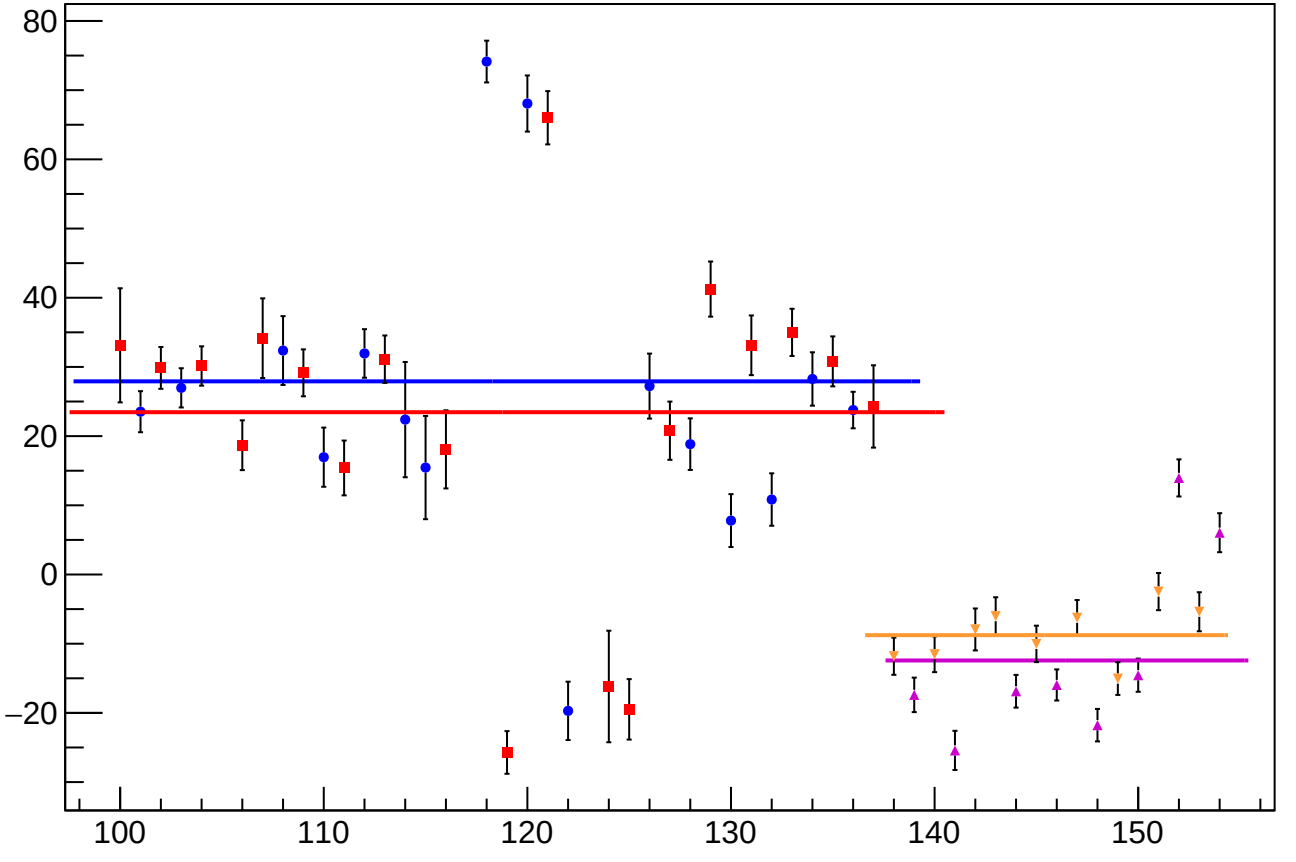
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 1989.659+/-0.381 χ^2/NDF:961090.8/23

Out: 1996.343+/-0.377 χ^2/NDF:839960.9/27

All: 1993.033+/-0.268 χ^2/NDF: 1801207.0/51

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: -12.424+/-0.883 χ^2/NDF:187.4/7

Left: -10.604+/-0.626 χ^2/NDF: 214.7/16

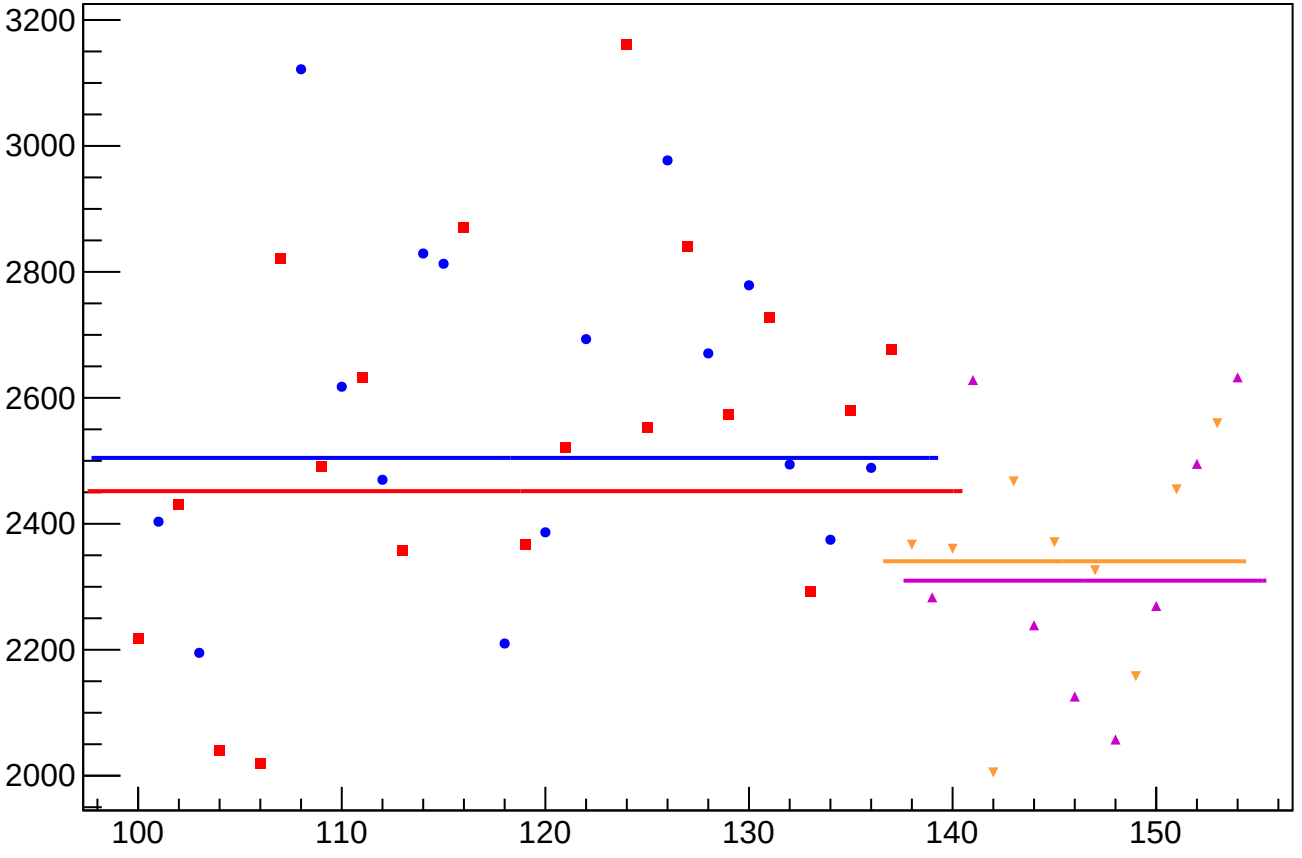
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.546+/-0.642 χ^2/NDF:1700.5/23

Out: 7.063+/-0.633 χ^2/NDF:1235.0/27

All: 6.809+/-0.451 χ^2/NDF: 2935.8/51

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: 2309.746+/-0.624 χ^2/NDF:100268.3/7

Left: 2325.052+/-0.442 χ^2/NDF: 158503.2/16

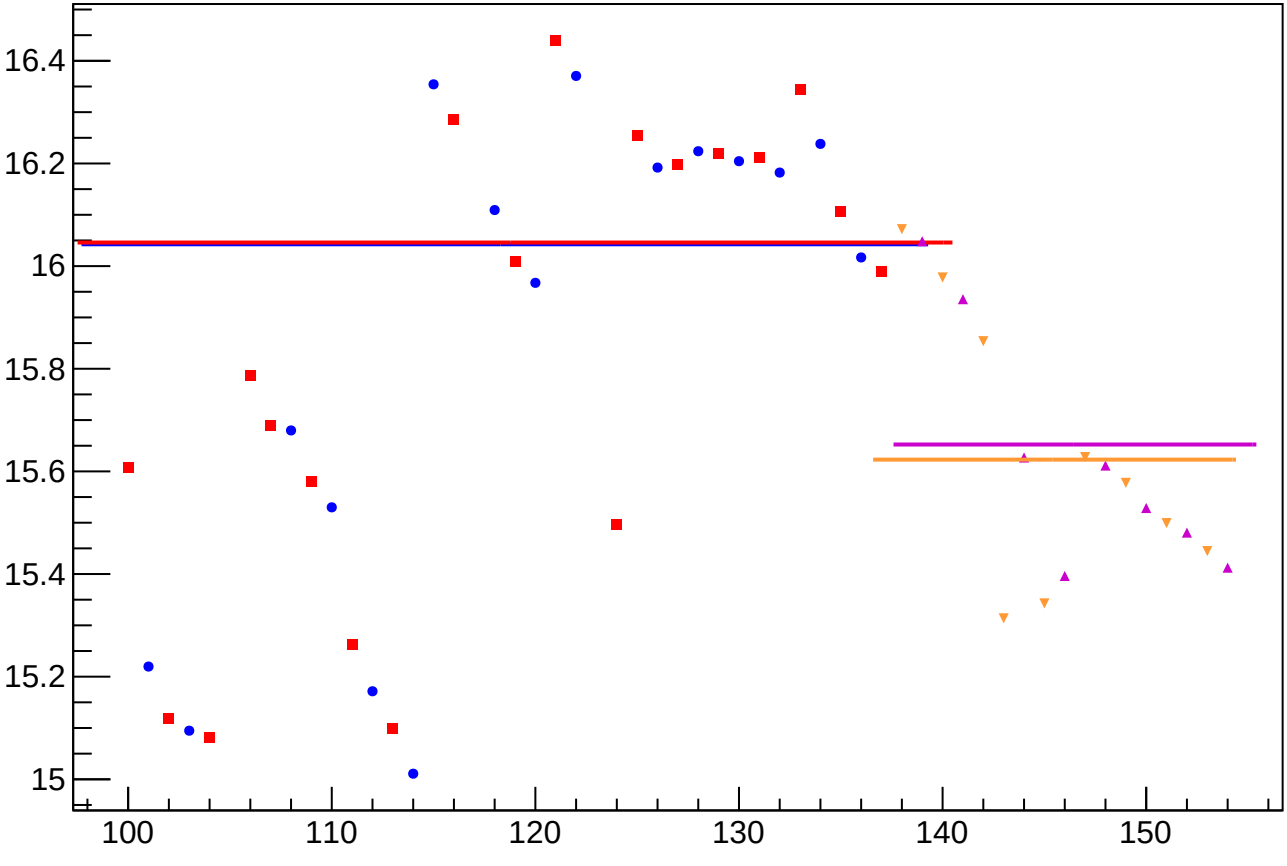
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2401.402+/-0.454 χ^2/NDF:272734.3/23

Out: 2395.218+/-0.447 χ^2/NDF:225754.1/27

All: 2398.263+/-0.319 χ^2/NDF: 498582.5/51

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: 15.652+/-0.000 χ^2/NDF:2792870054.9/7

Left: 15.637+/-0.000 χ^2/NDF: 7444847013.1/16

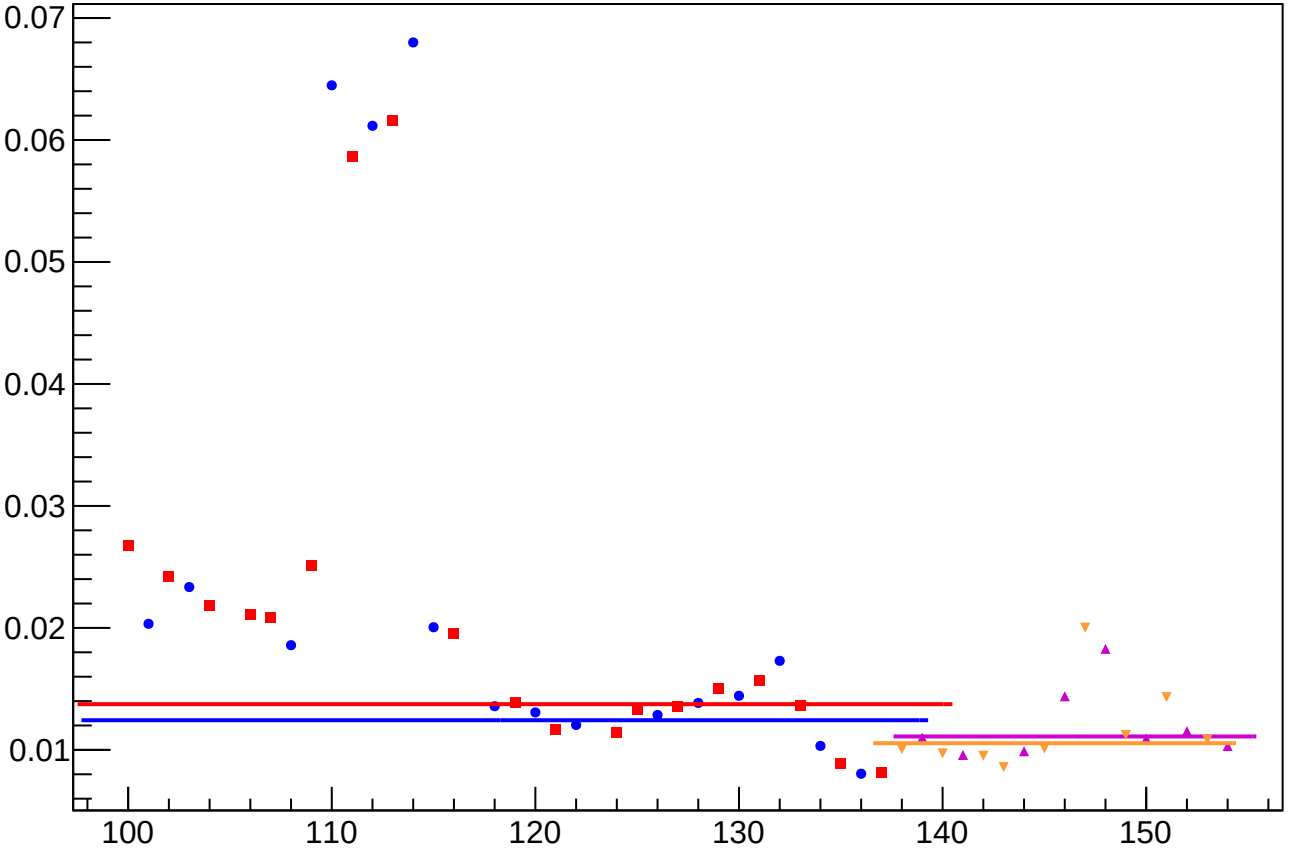
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.811+/-0.000 χ^2/NDF:8855972306.0/23

Out: 15.769+/-0.000 χ^2/NDF:11708305634.8/27

All: 15.790+/-0.000 χ^2/NDF: 20641146632.9

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:408078.2/7

Left: 0.011+/-0.000 χ^2/NDF: 1005059.0/16

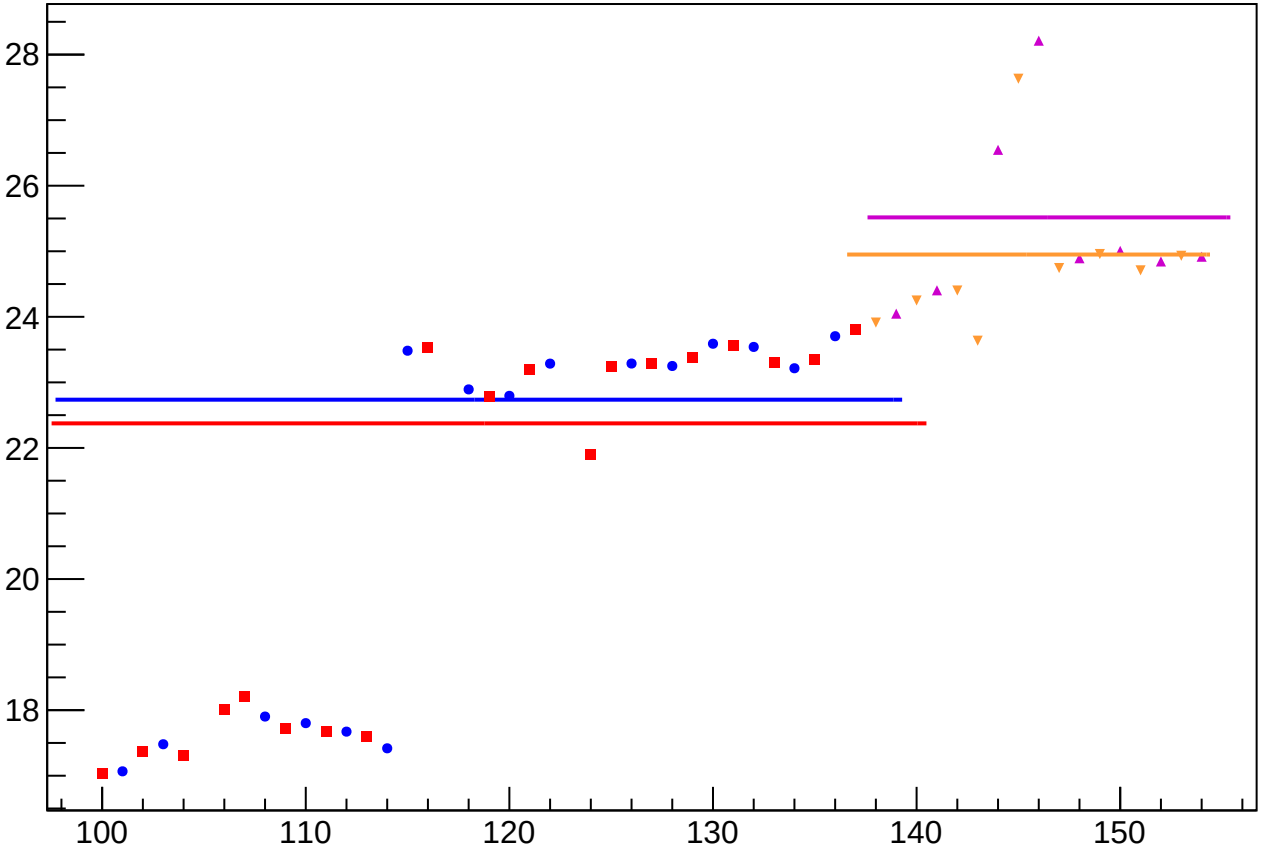
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2799931.7/23

Out: 0.012+/-0.000 χ^2/NDF:3215208.5/27

All: 0.012+/-0.000 χ^2/NDF: 6015150.1/51

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: 25.517+/-0.000 χ^2/NDF:659255117.5/7

Left: 25.222+/-0.000 χ^2/NDF: 1492413225.2/16

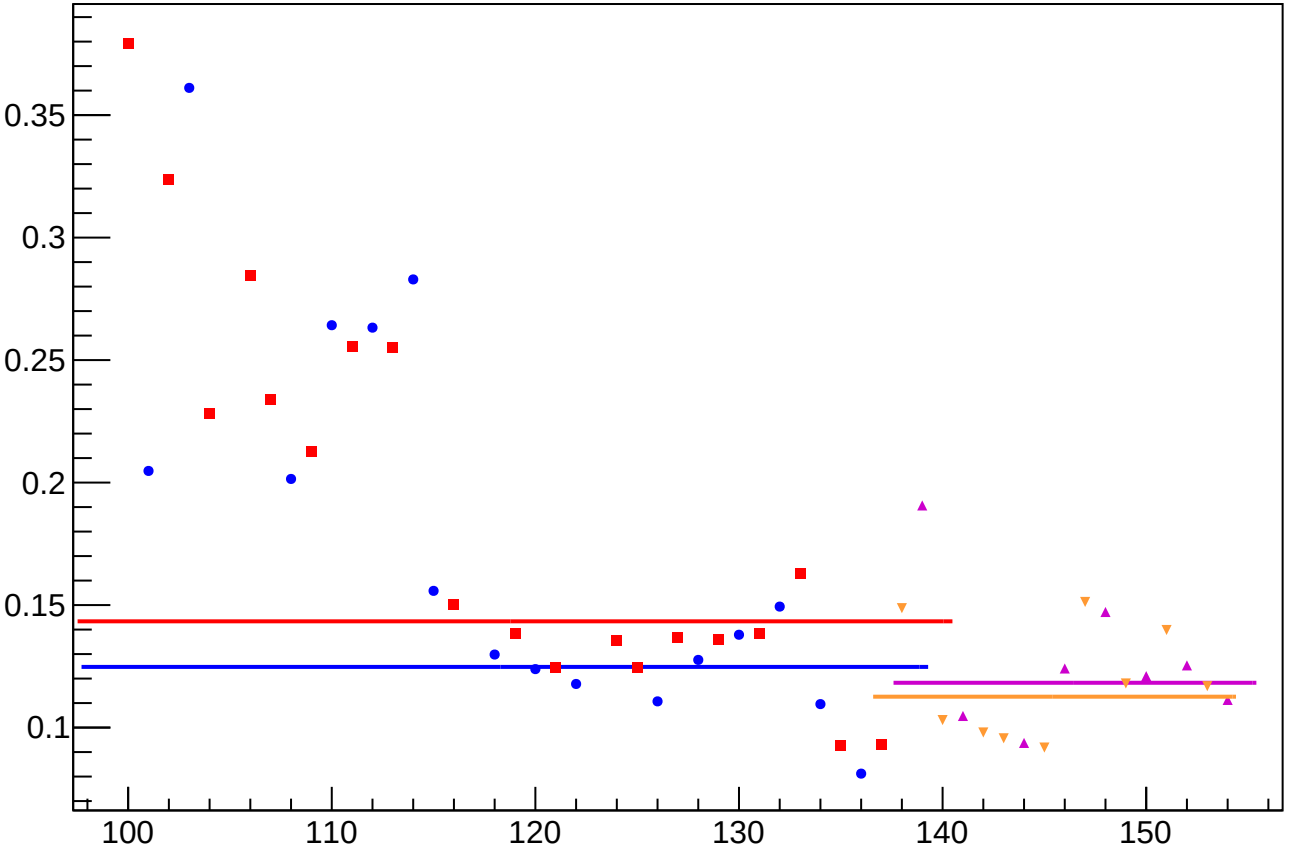
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.269+/-0.000 χ^2/NDF:3344785373.0/23

Out: 23.974+/-0.000 χ^2/NDF:3129687305.6/27

All: 24.125+/-0.000 χ^2/NDF: 6507258800.0/5

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: 0.118+/-0.000 χ^2/NDF:441600.3/7

Left: 0.115+/-0.000 χ^2/NDF: 834739.0/16

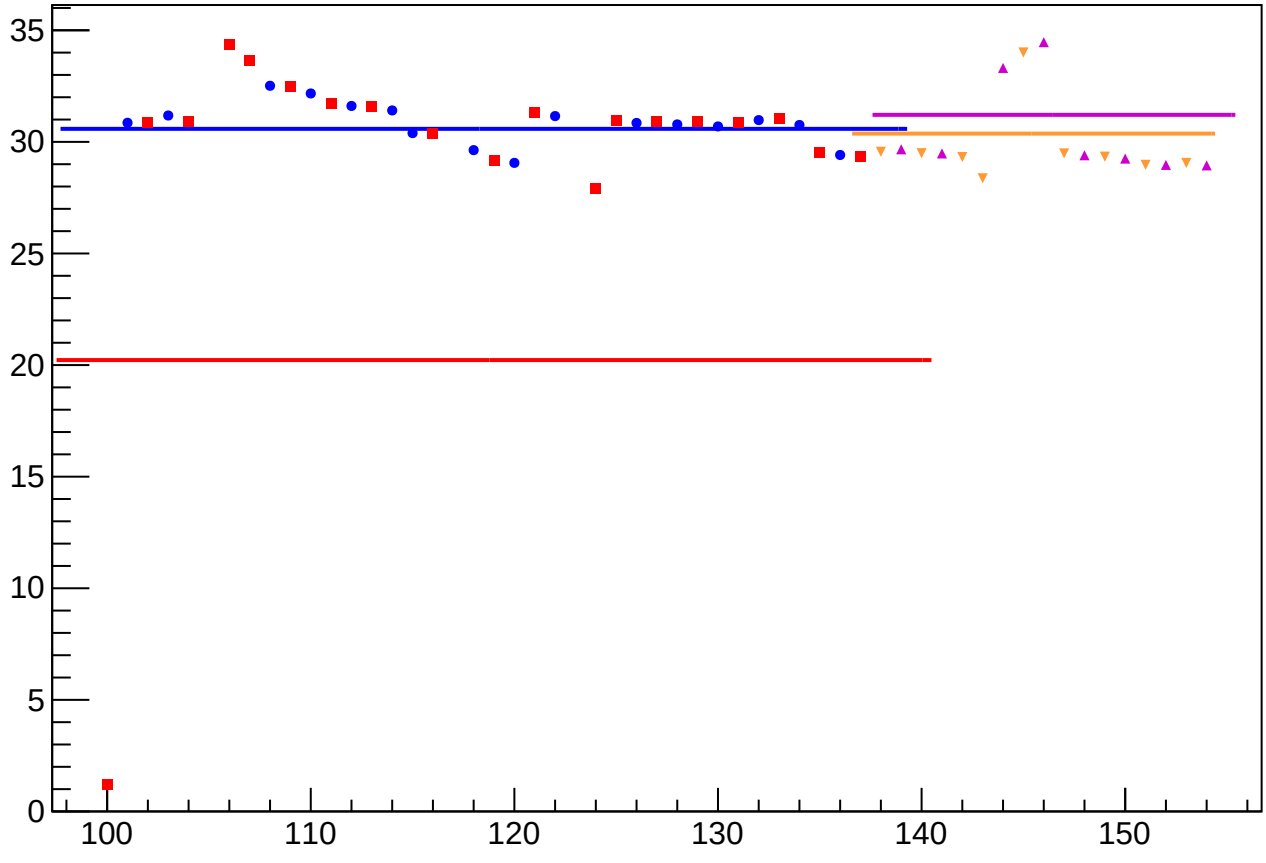
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.121+/-0.000 χ^2/NDF:2207321.0/23

Out: 0.124+/-0.000 χ^2/NDF:2277549.7/27

All: 0.123+/-0.000 χ^2/NDF: 4491986.3/51

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: 31.211+/-0.000 χ^2/NDF:6563069343.6/7

Left: 30.809+/-0.000 χ^2/NDF: 12042059815.9/16

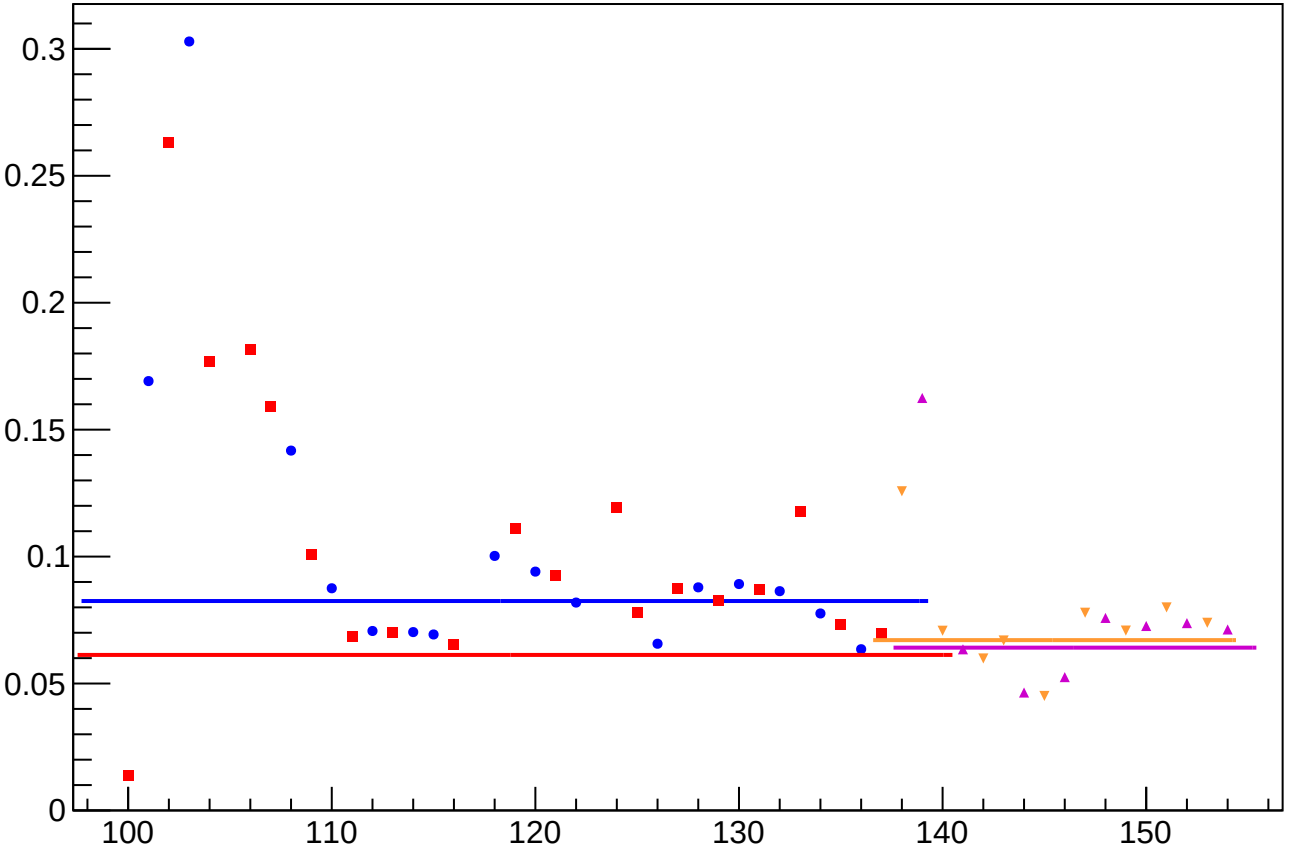
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.968+/-0.000 χ^2/NDF:7401140034.2/23

Out: 25.367+/-0.000 χ^2/NDF:283112023084.6/27

All: 28.023+/-0.000 χ^2/NDF: 323332904225.

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: 0.064+/-0.000 χ^2/NDF:937827.6/7

Left: 0.066+/-0.000 χ^2/NDF: 1590561.1/16

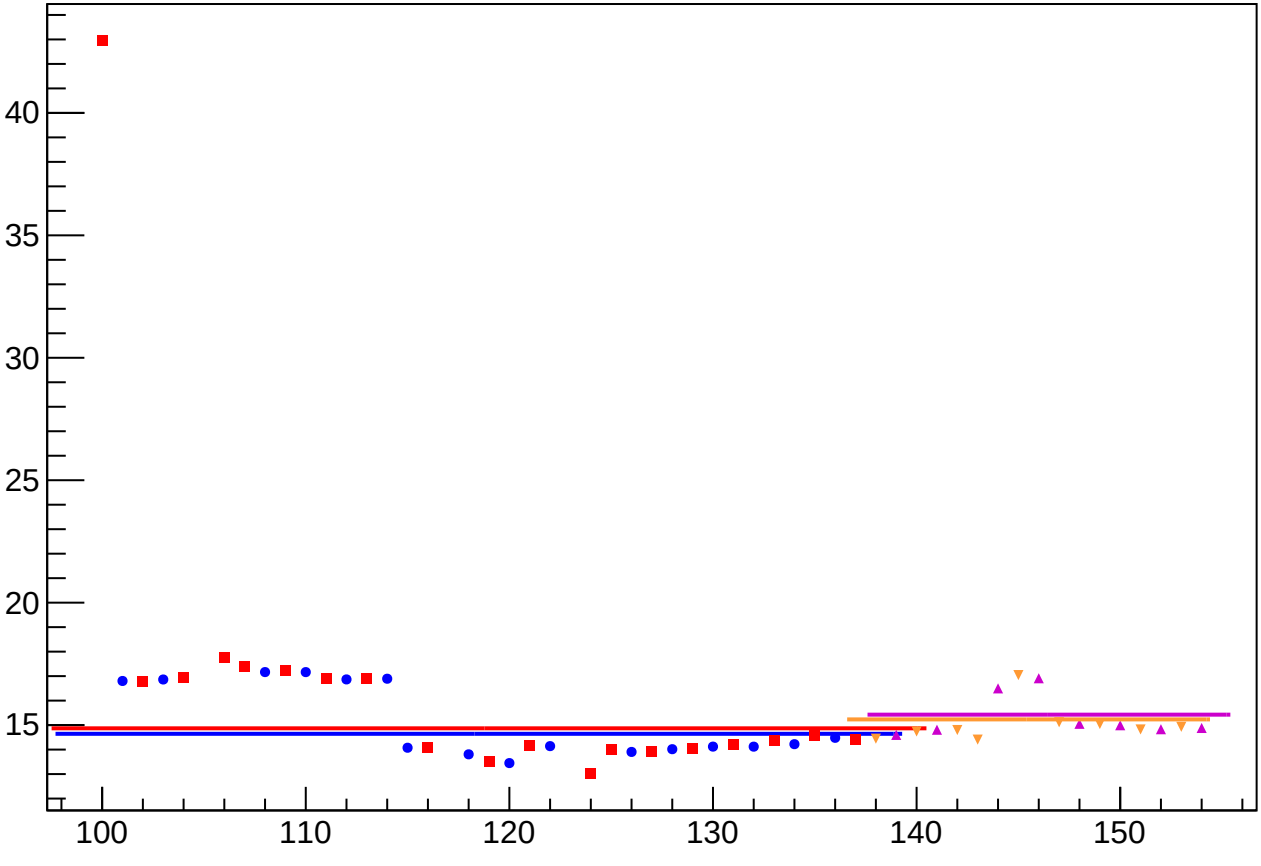
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2518414.6/23

Out: 0.064+/-0.000 χ^2/NDF:4694295.1/27

All: 0.068+/-0.000 χ^2/NDF: 7316864.2/51

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: 15.426+/-0.000 χ^2/NDF:808405878.7/7

Left: 15.328+/-0.000 χ^2/NDF: 1789809730.2/16

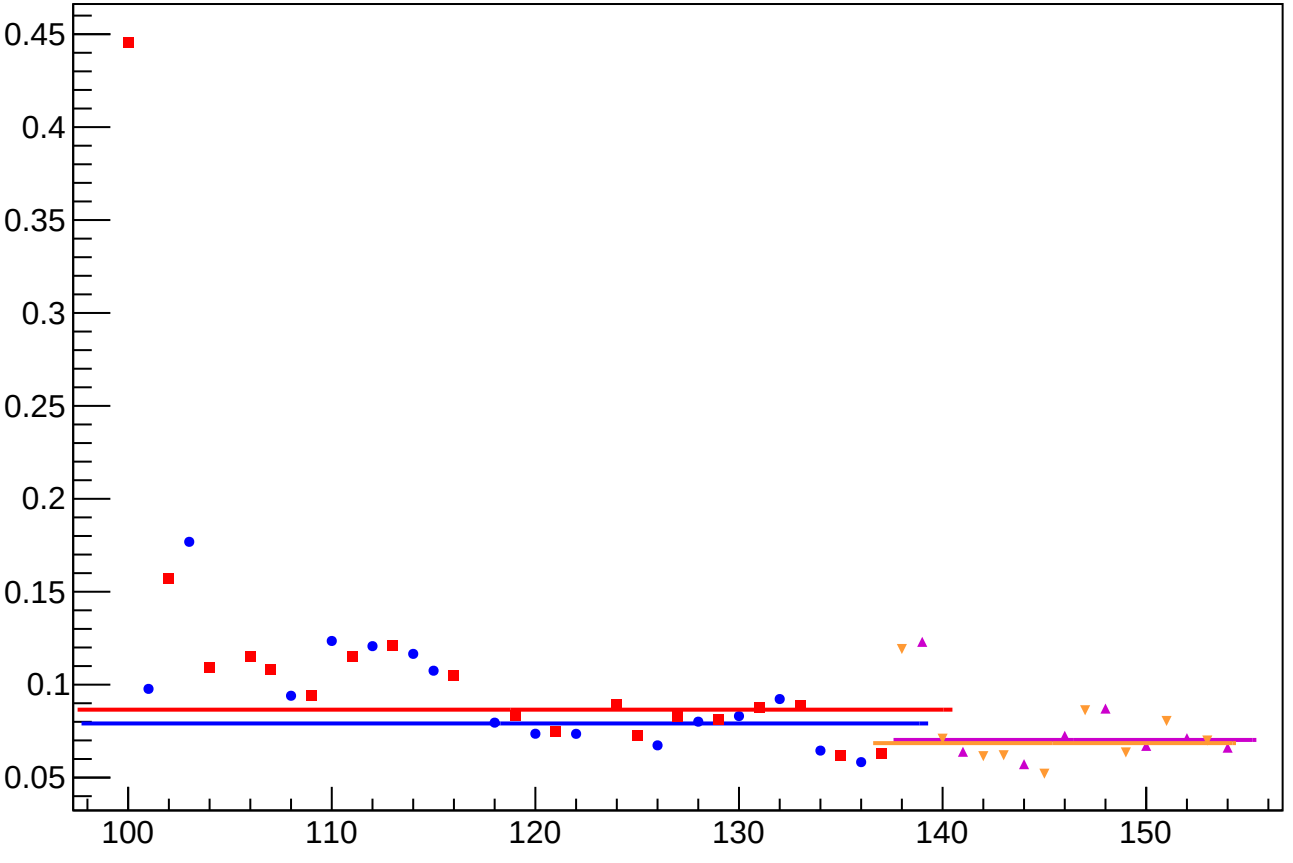
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.078+/-0.000 χ^2/NDF:2320201326.2/23

Out: 15.084+/-0.000 χ^2/NDF:2753714926.3/27

All: 15.081+/-0.000 χ^2/NDF: 5073952960.1/5

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: 0.070+/-0.000 χ^2/NDF:453592.9/7

Left: 0.069+/-0.000 χ^2/NDF: 966253.3/16

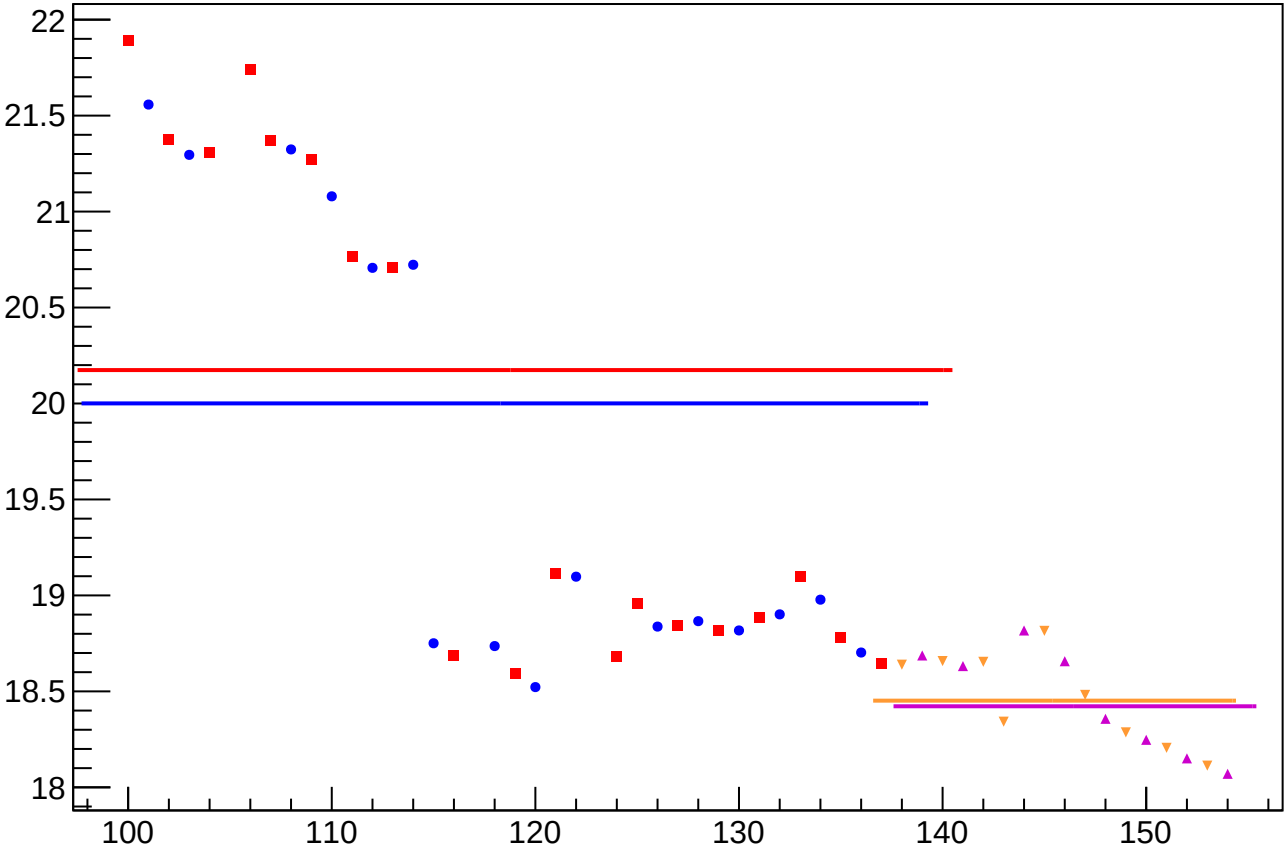
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.074+/-0.000 χ^2/NDF:1453601.7/23

Out: 0.076+/-0.000 χ^2/NDF:1617036.2/27

All: 0.075+/-0.000 χ^2/NDF: 3076498.3/51

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: 18.422+/-0.000 χ^2/NDF:483901591.6/7

Left: 18.437+/-0.000 χ^2/NDF: 848725100.8/16

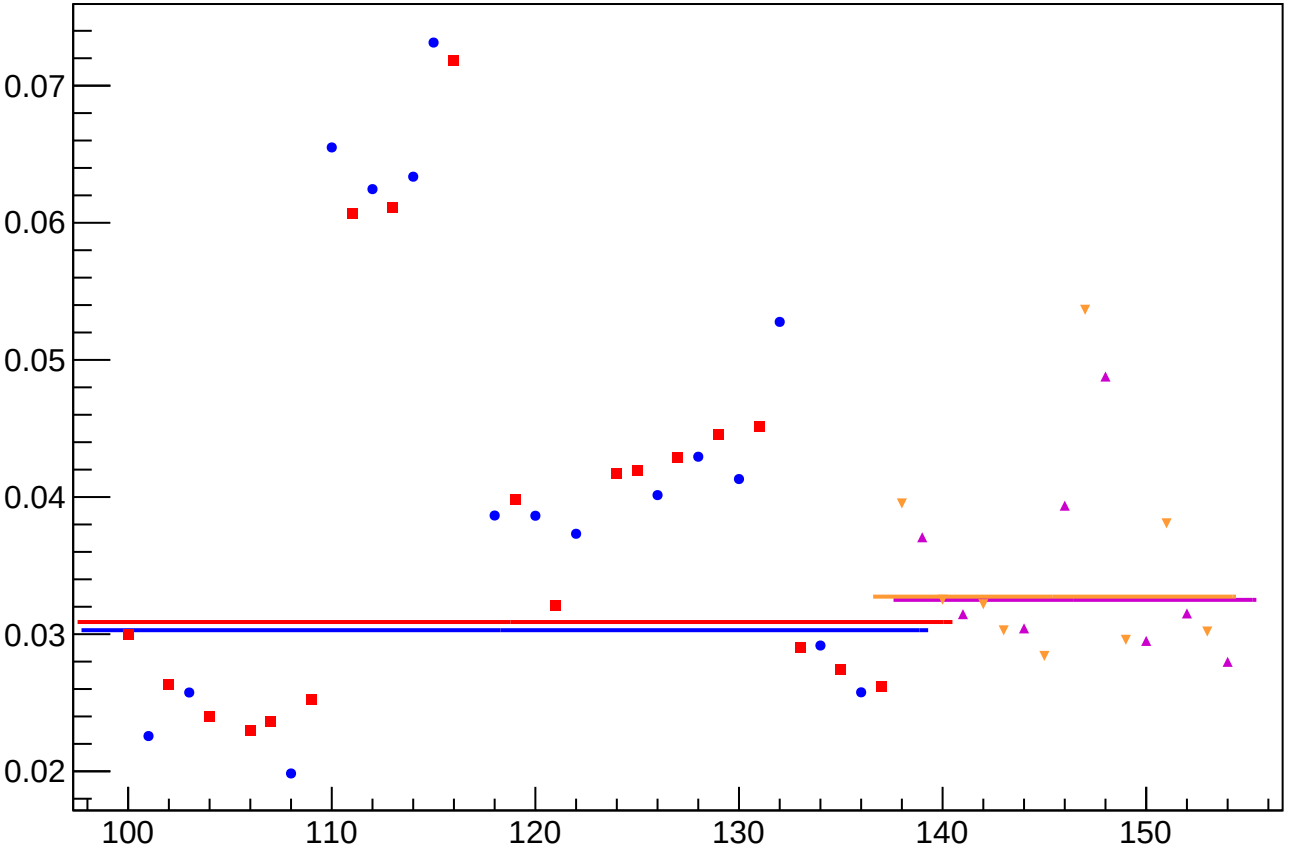
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.231+/-0.000 χ^2/NDF:19259998941.1/23

Out: 19.344+/-0.000 χ^2/NDF:20115376608.3/27

All: 19.287+/-0.000 χ^2/NDF: 39456086356.7

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:325161.0/7

Left: 0.033+/-0.000 χ^2/NDF: 720083.3/16

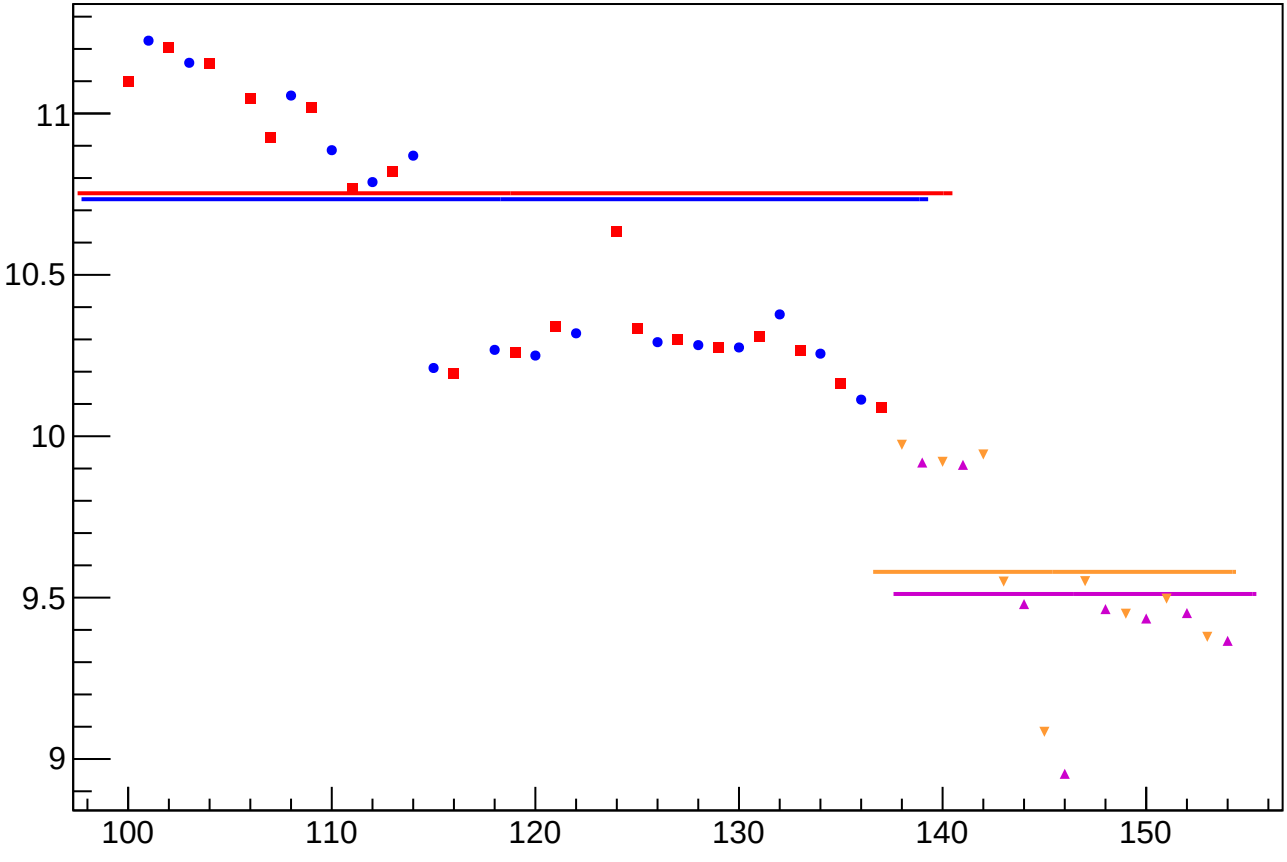
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1803571.8/23

Out: 0.032+/-0.000 χ^2/NDF:1620850.4/27

All: 0.032+/-0.000 χ^2/NDF: 3426542.5/51

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: 9.511+/-0.000 χ^2/NDF:1032118220.1/7

Left: 9.547+/-0.000 χ^2/NDF: 2325549072.0/16

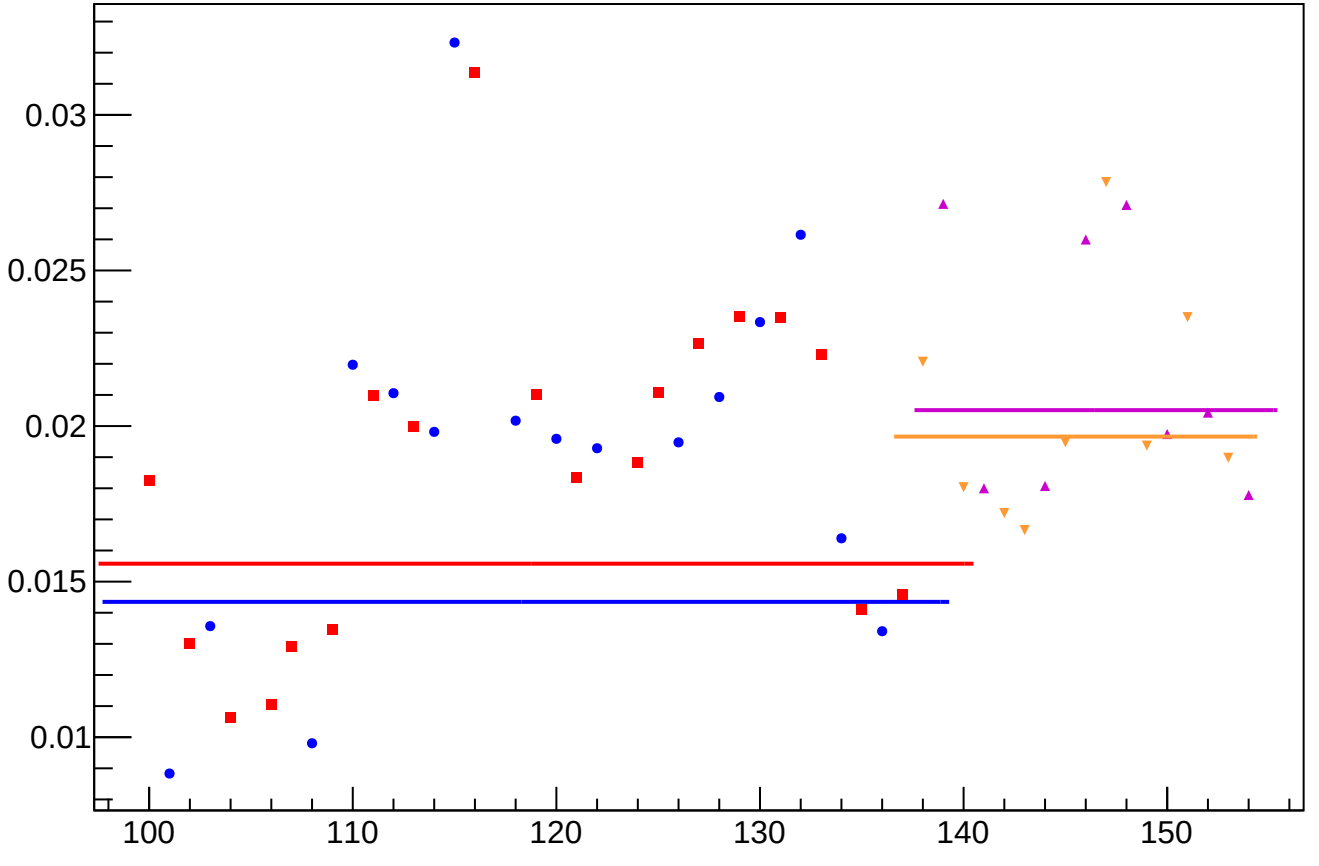
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.305+/-0.000 χ^2/NDF:21412768480.6/23

Out: 10.297+/-0.000 χ^2/NDF:19236080956.3/27

All: 10.301+/-0.000 χ^2/NDF: 40650165536.3

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:365657.7/7

Left: 0.020+/-0.000 χ^2/NDF: 650748.4/16

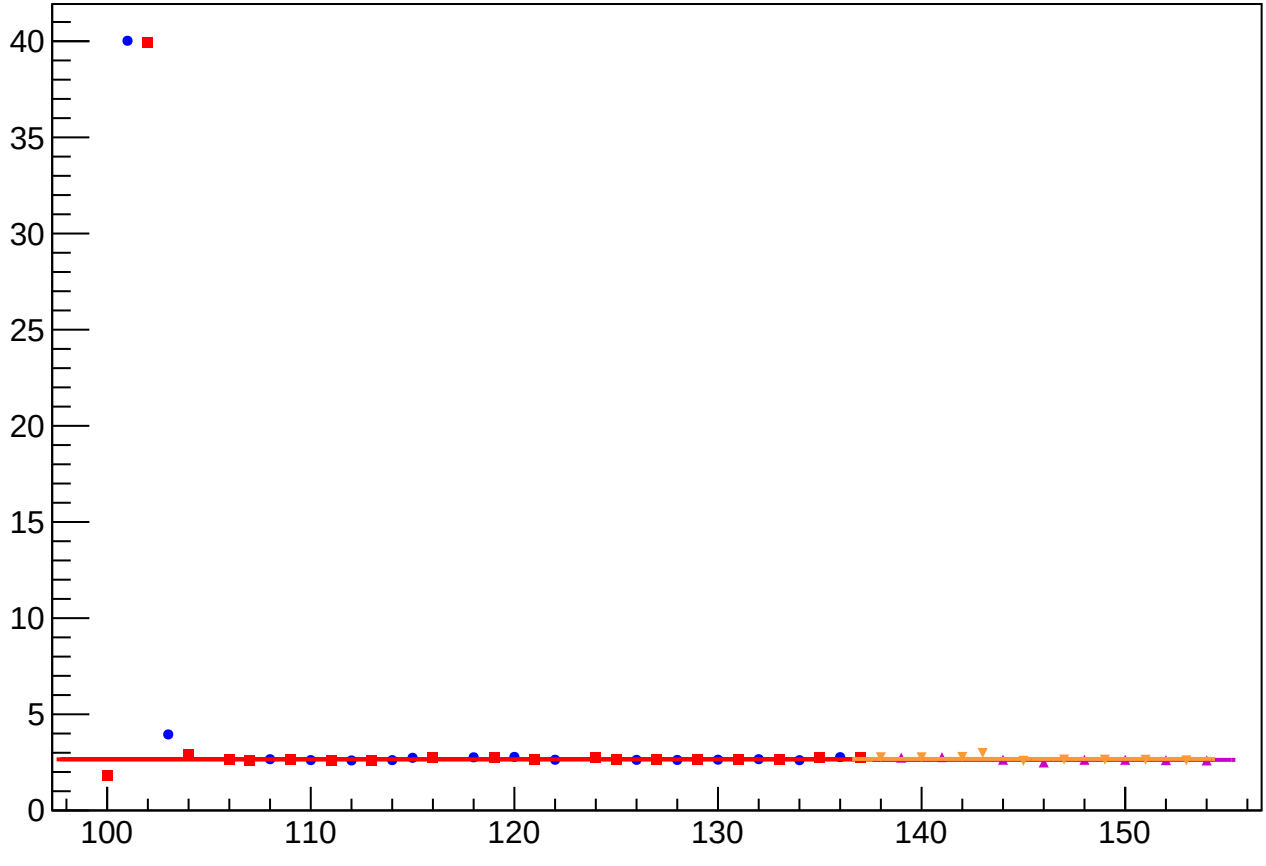
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2583550.5/23

Out: 0.017+/-0.000 χ^2/NDF:1676404.8/27

All: 0.017+/-0.000 χ^2/NDF: 4277799.3/51

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: 2.631+/-0.000 χ^2/NDF:7504142586.7/7

Left: 2.654+/-0.000 χ^2/NDF: 24786436924.6/16

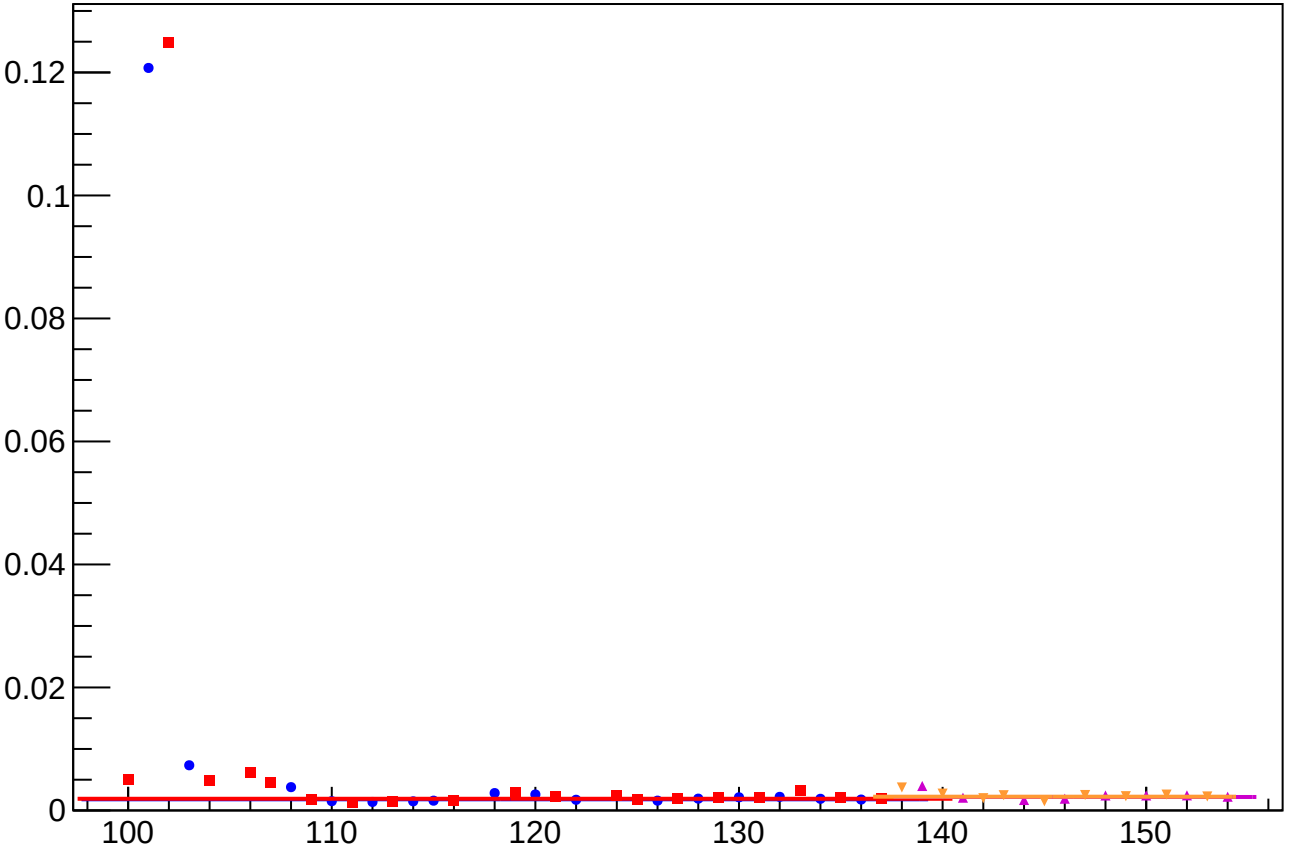
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.649+/-0.000 χ^2/NDF:76049802640.1/23

Out: 2.666+/-0.000 χ^2/NDF:81327387681.7/27

All: 2.658+/-0.000 χ^2/NDF: 157765030397.1

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:518527.2/7

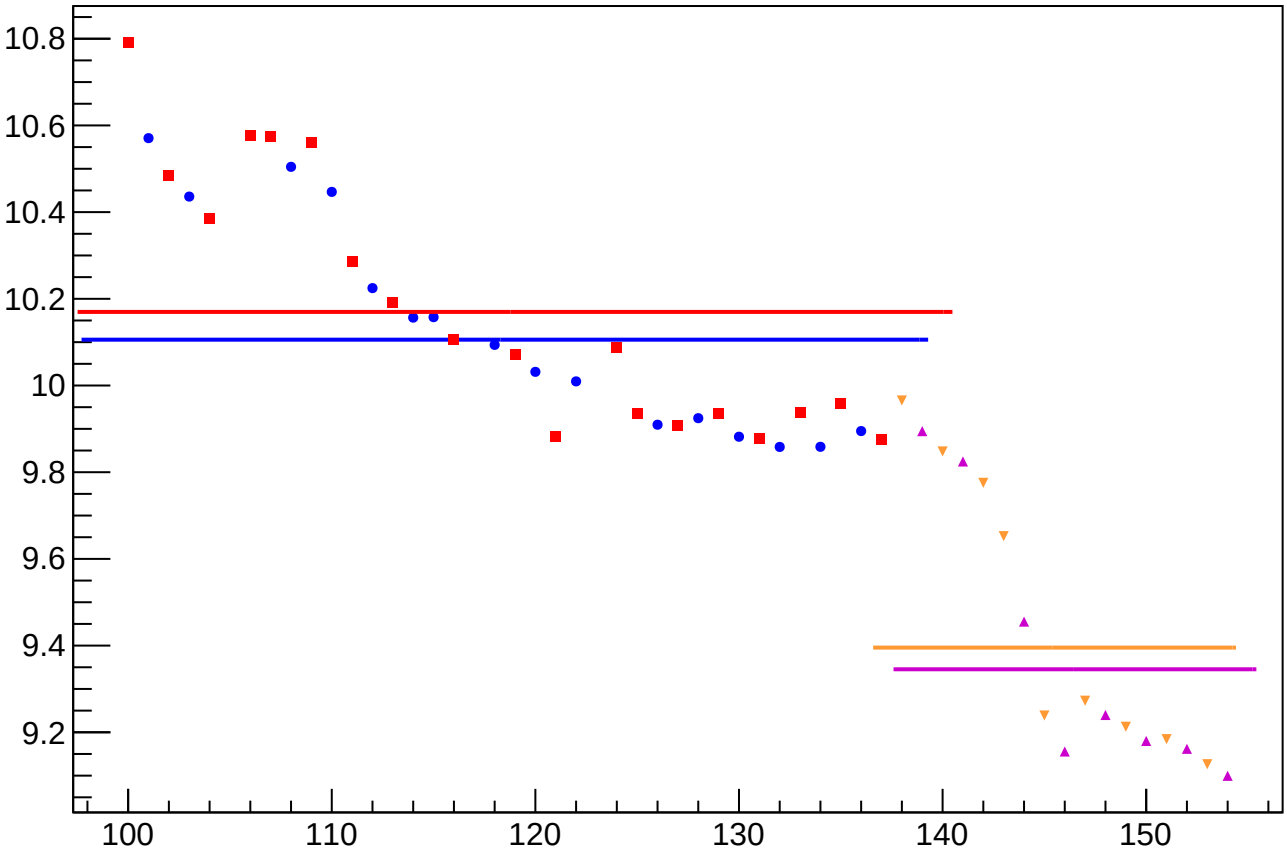
Left: 0.002+/-0.000 χ^2/NDF: 1168845.5/16

Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

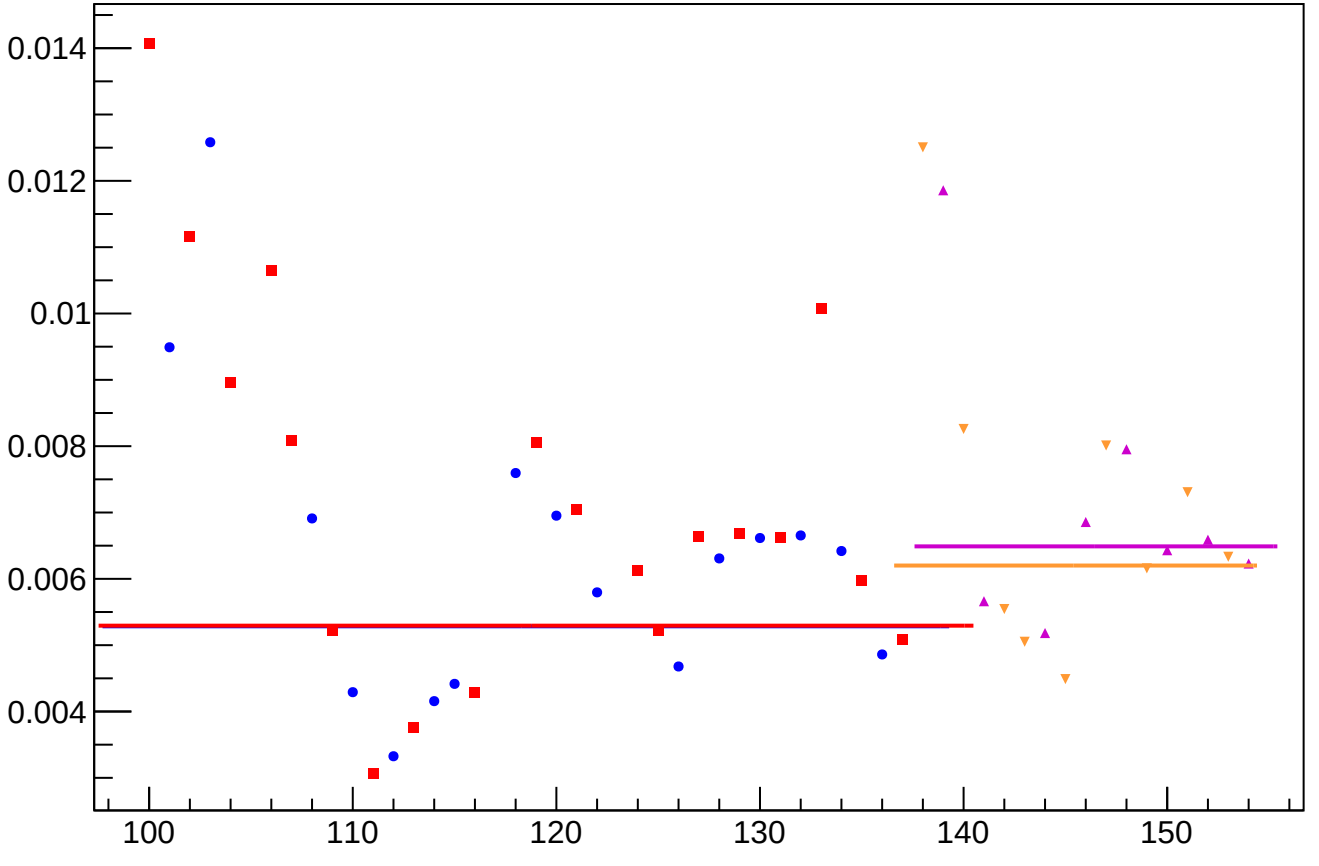
In: 0.002+/-0.000 χ^2/NDF:2521960.8/23

Out: 0.002+/-0.000 χ^2/NDF:3311741.7/27

All: 0.002+/-0.000 χ^2/NDF: 5844335.0/51


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: 9.345+/-0.000 χ²/NDF:9342815831.3/7
Left: 9.371+/-0.000 χ²/NDF: 19303177210.8/16
Right: 10.138+/-0.000 χ²/NDF: 18662438112.6/34
In: 9.798+/-0.000 χ²/NDF:63685536286.9/23
Out: 9.850+/-0.000 χ²/NDF:67618325793.3/27
All: 9.825+/-0.000 χ²/NDF: 131751279587.9

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: 0.006+/-0.000 χ^2/NDF:489006.6/7

Left: 0.006+/-0.000 χ^2/NDF: 1280934.5/16

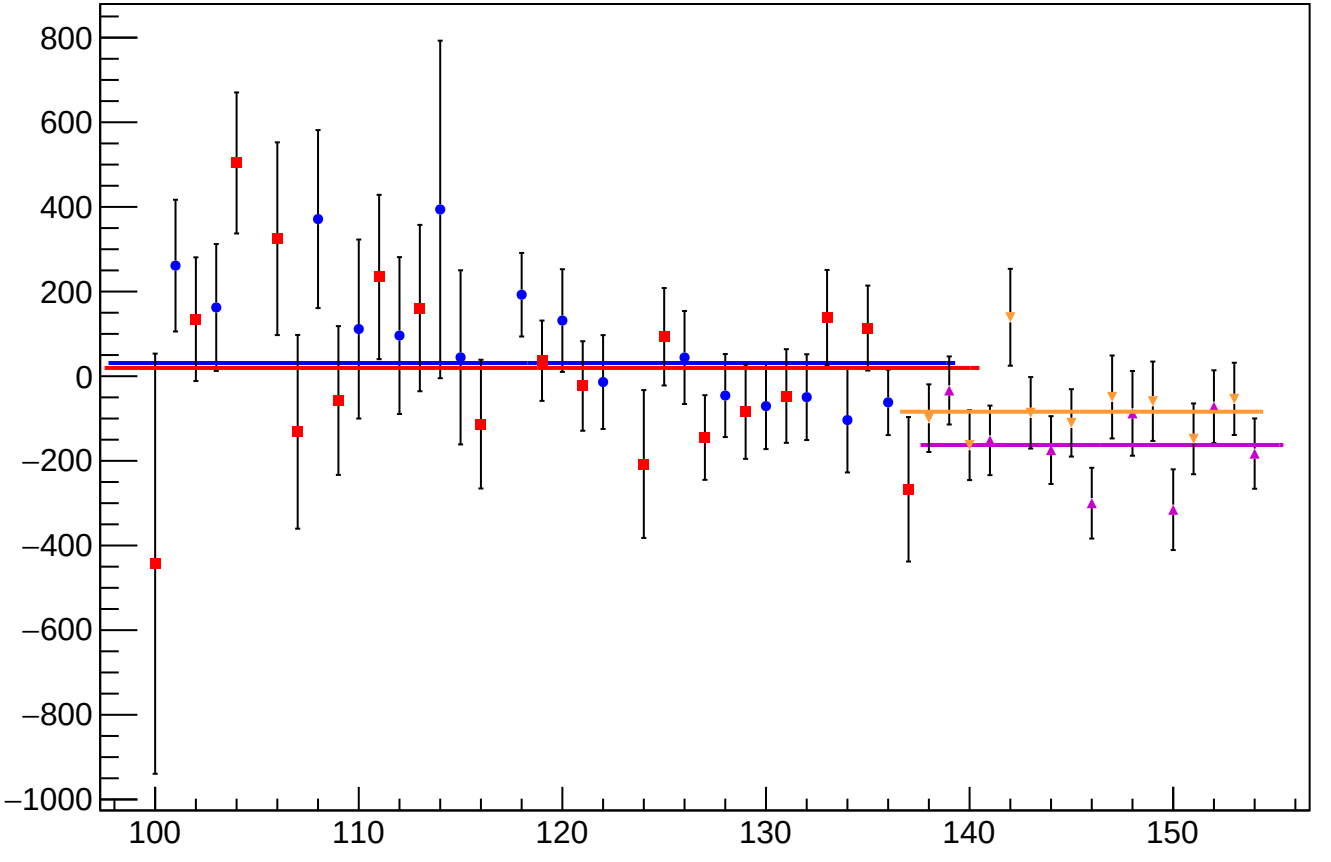
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:1990250.4/23

Out: 0.006+/-0.000 χ^2/NDF:2706393.9/27

All: 0.006+/-0.000 χ^2/NDF: 4700196.9/51

reg_asym_sam1_mean vs Slug, Sign Corrected



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: -162.562+/-30.267 χ^2/NDF:9.6/7

Left: -121.767+/-20.999 χ^2/NDF: 18.9/16

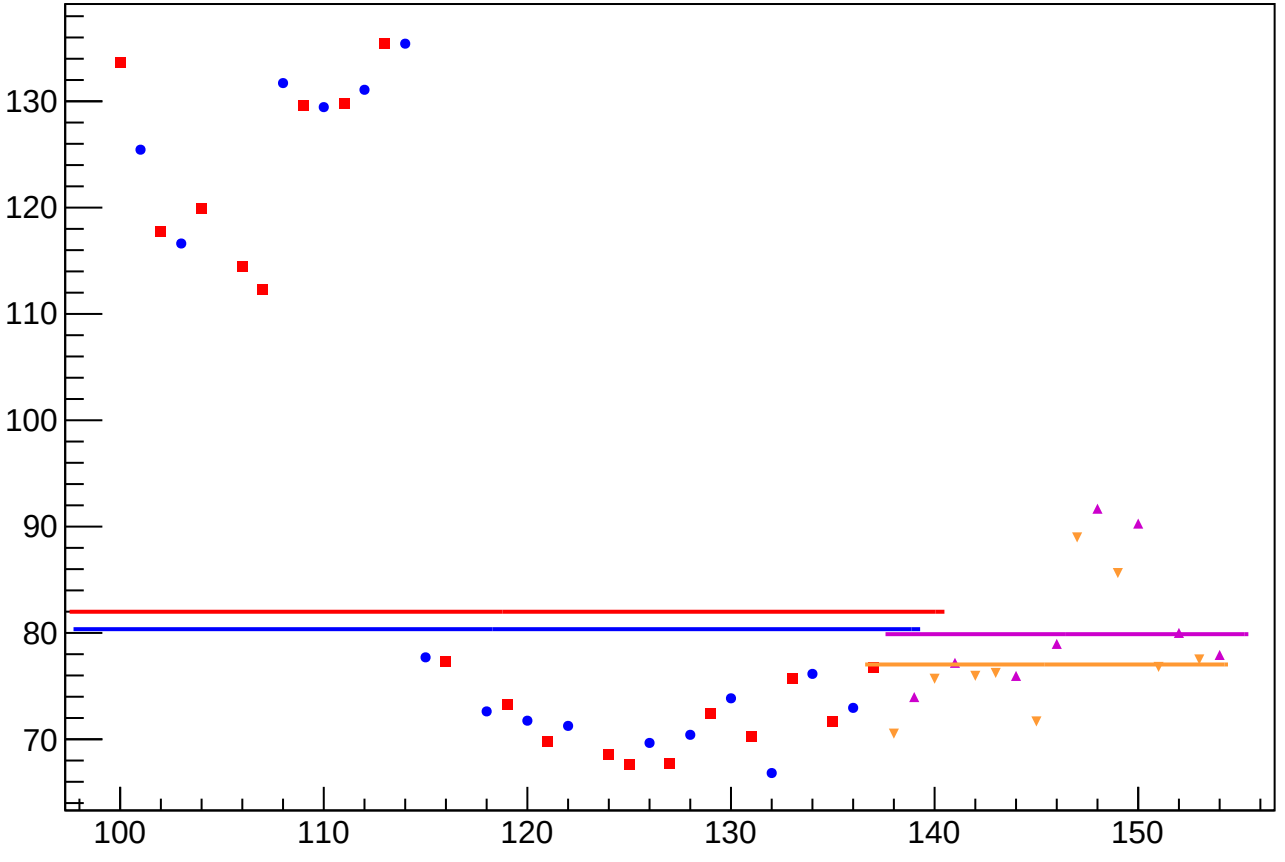
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -67.305+/-21.583 χ^2/NDF:44.8/23

Out: -35.430+/-21.258 χ^2/NDF:37.6/27

All: -51.126+/-15.145 χ^2/NDF: 83.5/51

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: 79.884+/-0.021 χ^2/NDF:70711.9/7

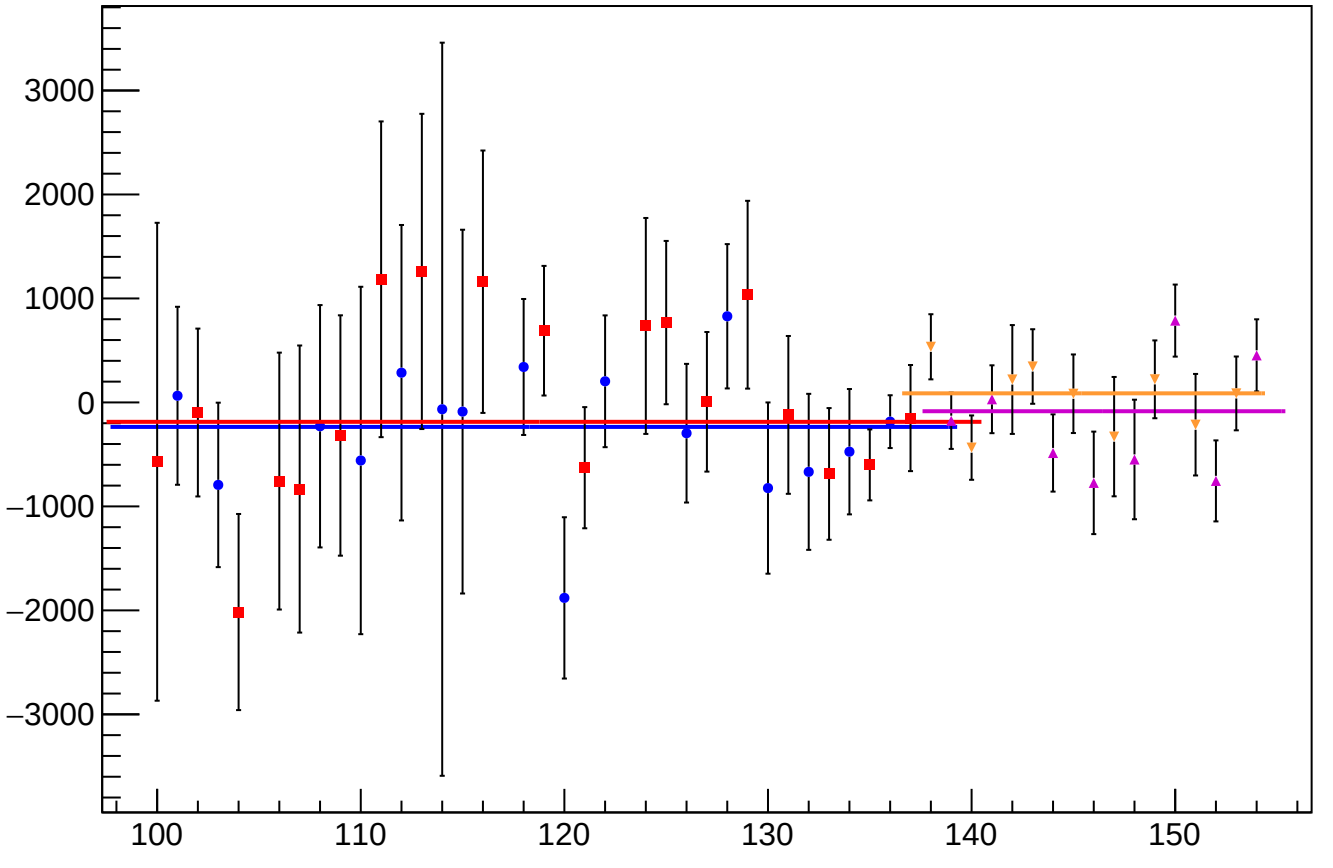
Left: 78.405+/-0.015 χ^2/NDF: 149750.2/16

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.115+/-0.015 χ^2/NDF:910988.9/23

Out: 79.356+/-0.015 χ^2/NDF:1029287.4/27

All: 79.730+/-0.011 χ^2/NDF: 1941529.3/51



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: -84.719+/-128.412 χ^2/NDF:15.7/7

Left: 1.864+/-90.529 χ^2/NDF: 23.1/16

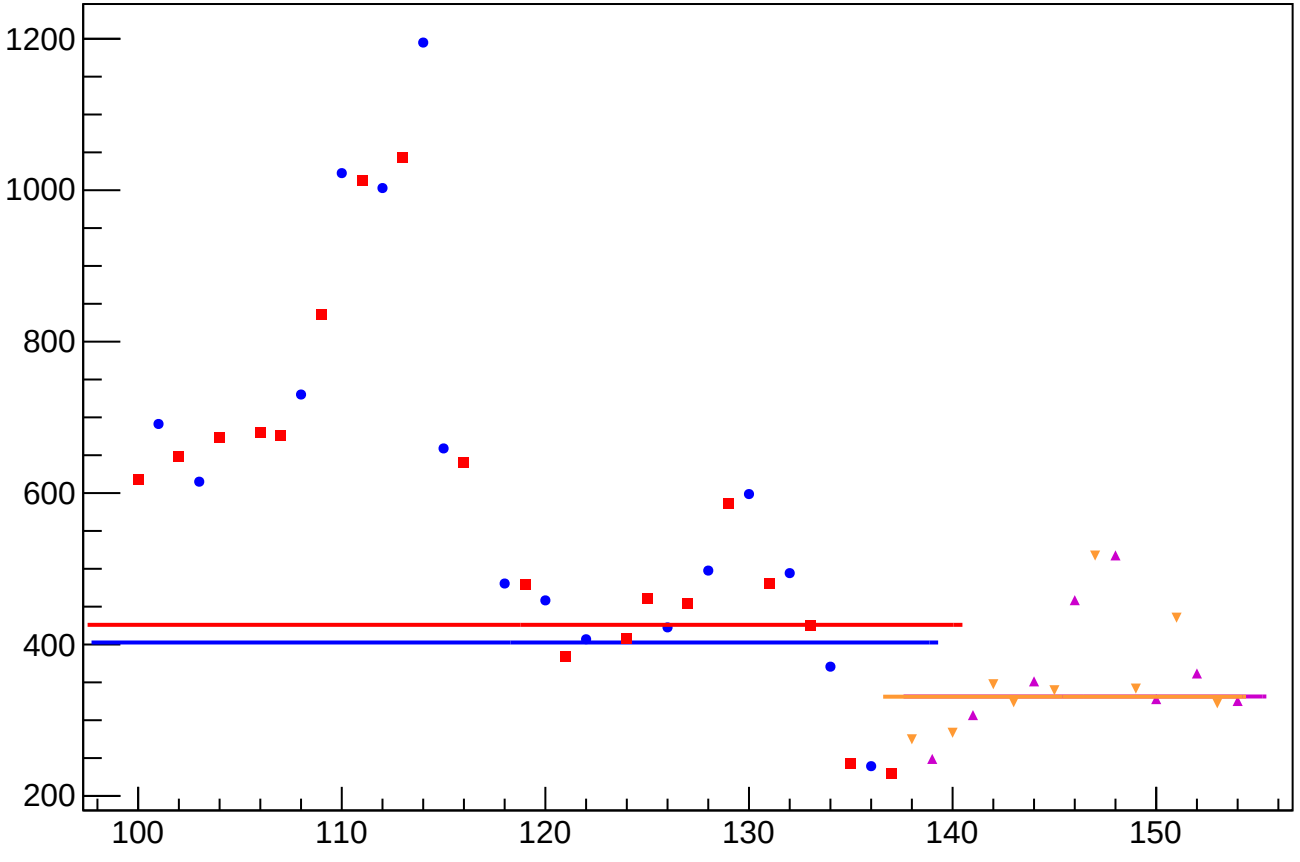
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -142.136+/-101.051 χ^2/NDF:26.2/23

Out: -11.088+/-102.160 χ^2/NDF:24.1/27

All: -77.328+/-71.843 χ^2/NDF: 51.1/51

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: 331.344+/-0.091 χ^2/NDF:558872.1/7

Left: 331.211+/-0.064 χ^2/NDF: 979805.8/16

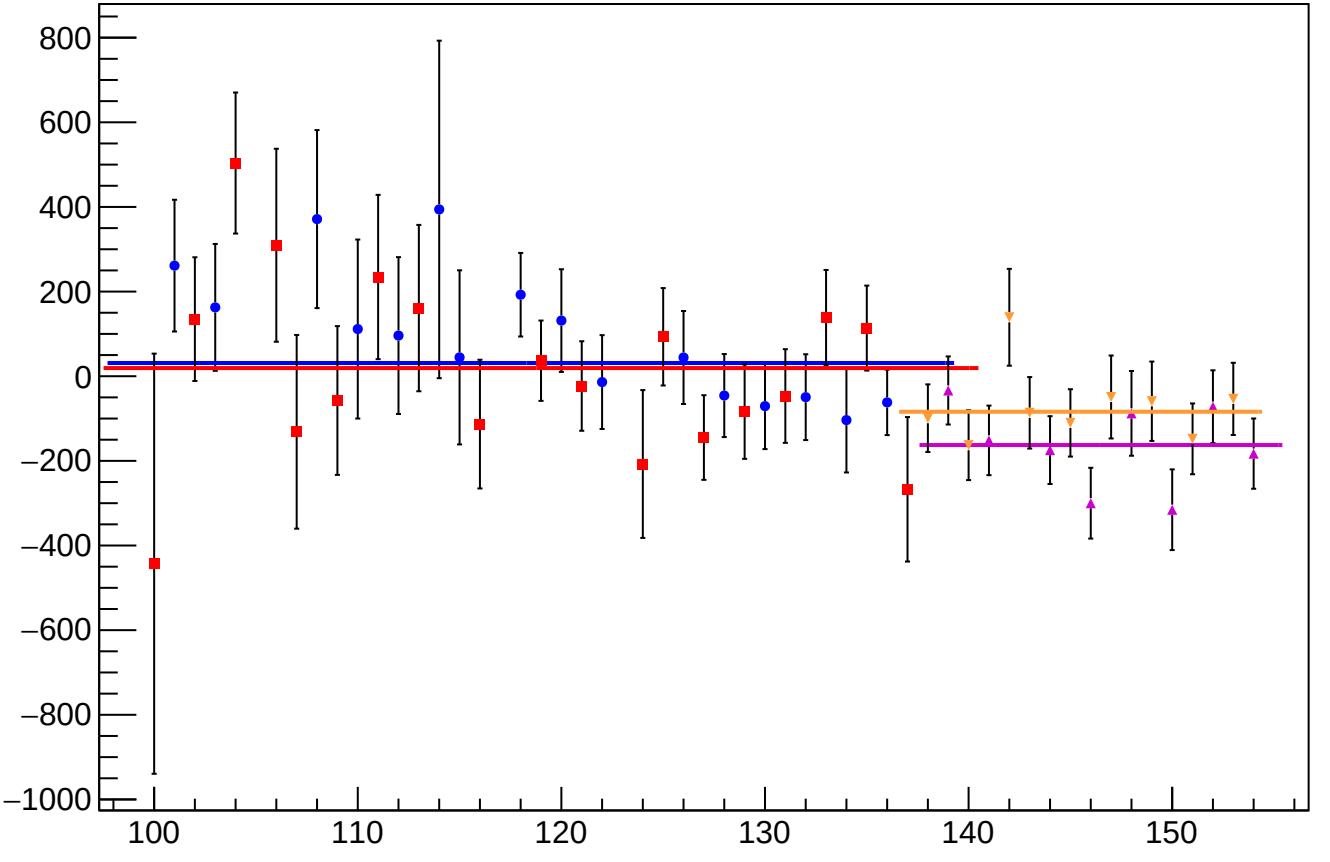
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 358.497+/-0.071 χ^2/NDF:3153816.6/23

Out: 365.192+/-0.072 χ^2/NDF:3187099.5/27

All: 361.808+/-0.051 χ^2/NDF: 6345258.2/51

cor_asym_sam1_mean vs Slug, Sign Corrected



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: -162.564+/-30.267 χ^2/NDF:9.6/7

Left: -121.769+/-20.999 χ^2/NDF: 18.9/16

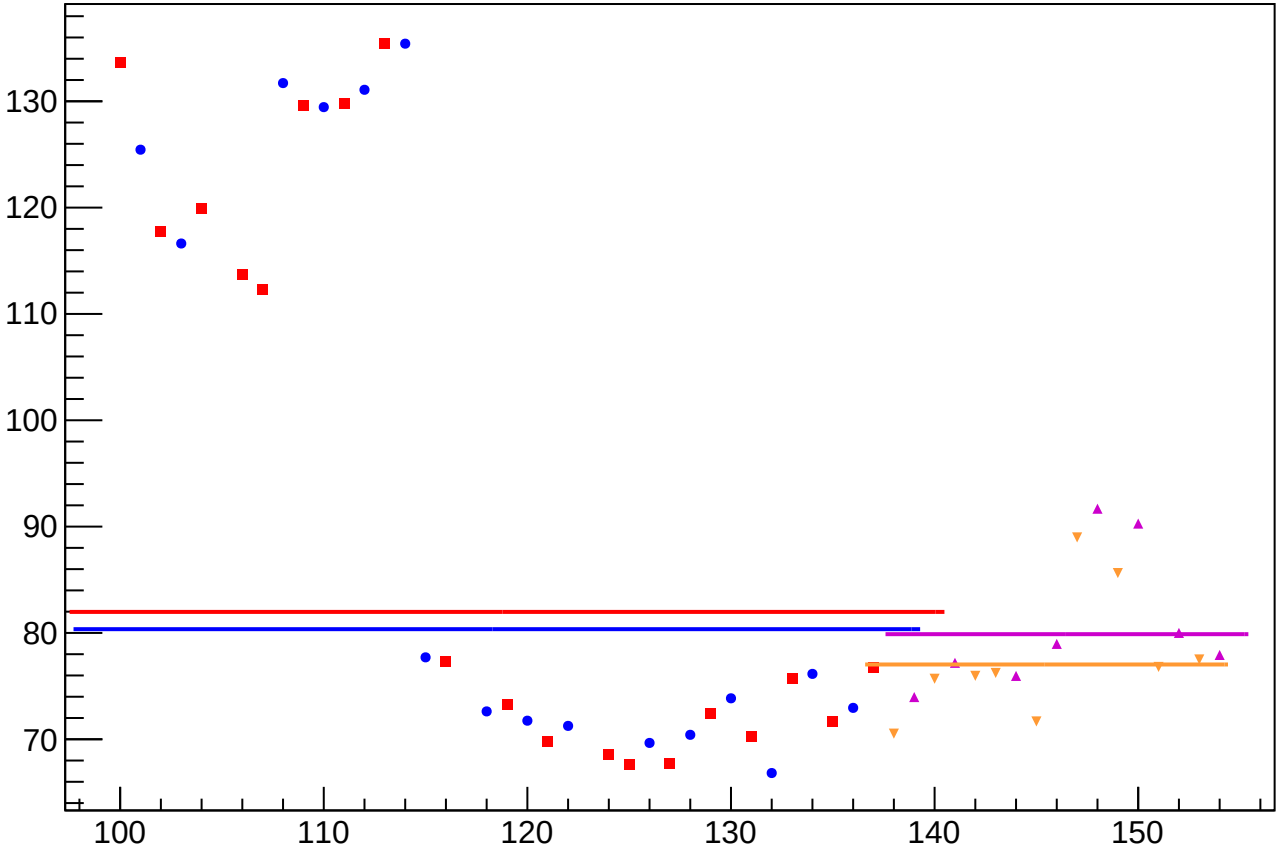
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -67.301+/-21.583 χ^2/NDF:44.8/23

Out: -35.569+/-21.258 χ^2/NDF:37.4/27

All: -51.194+/-15.145 χ^2/NDF: 83.3/51

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: 79.884+/-0.021 χ^2/NDF:70711.9/7

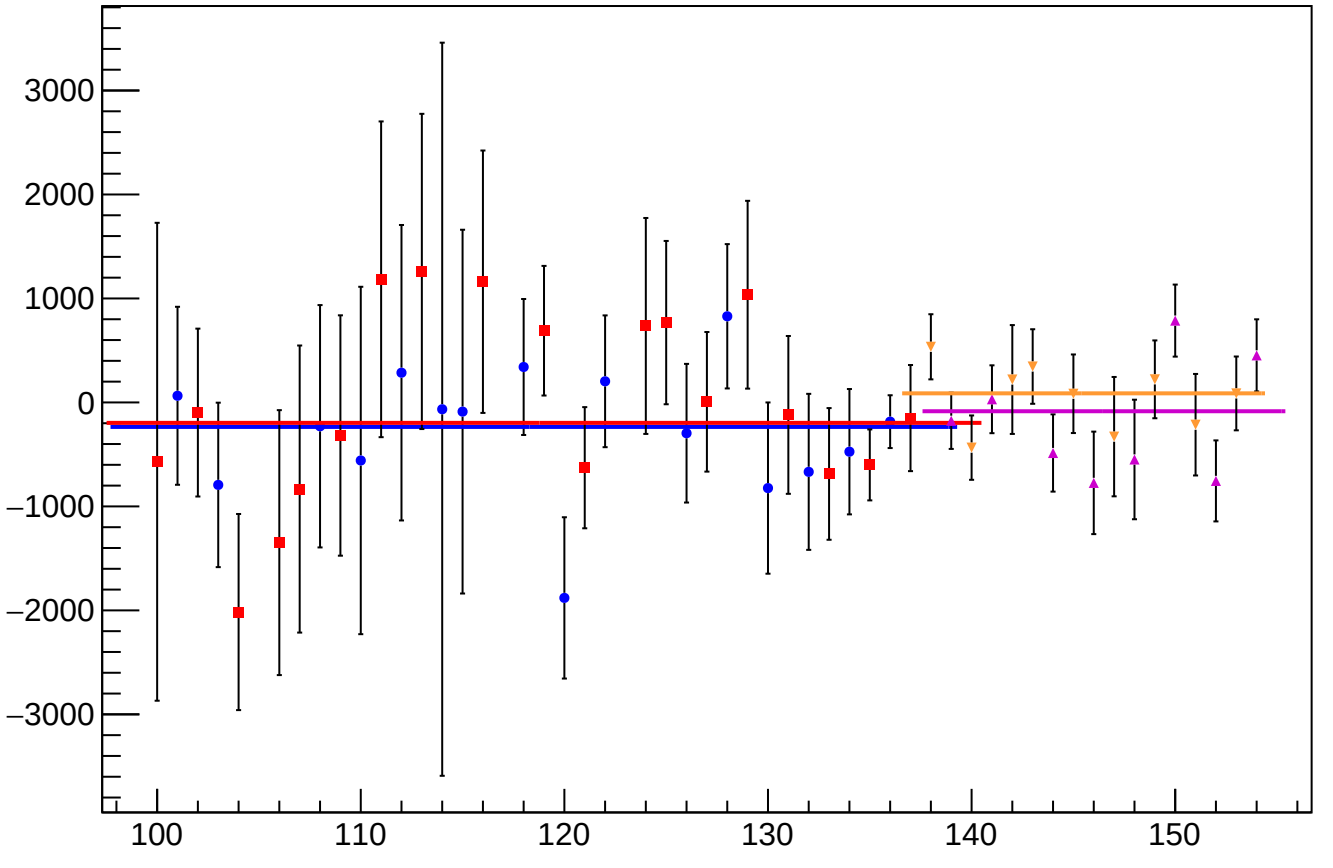
Left: 78.405+/-0.015 χ^2/NDF: 149750.2/16

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.115+/-0.015 χ^2/NDF:910989.1/23

Out: 79.349+/-0.015 χ^2/NDF:1027251.1/27

All: 79.726+/-0.011 χ^2/NDF: 1939516.9/51



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: -84.719+/-128.413 χ^2/NDF:15.7/7

Left: 1.864+/-90.529 χ^2/NDF: 23.1/16

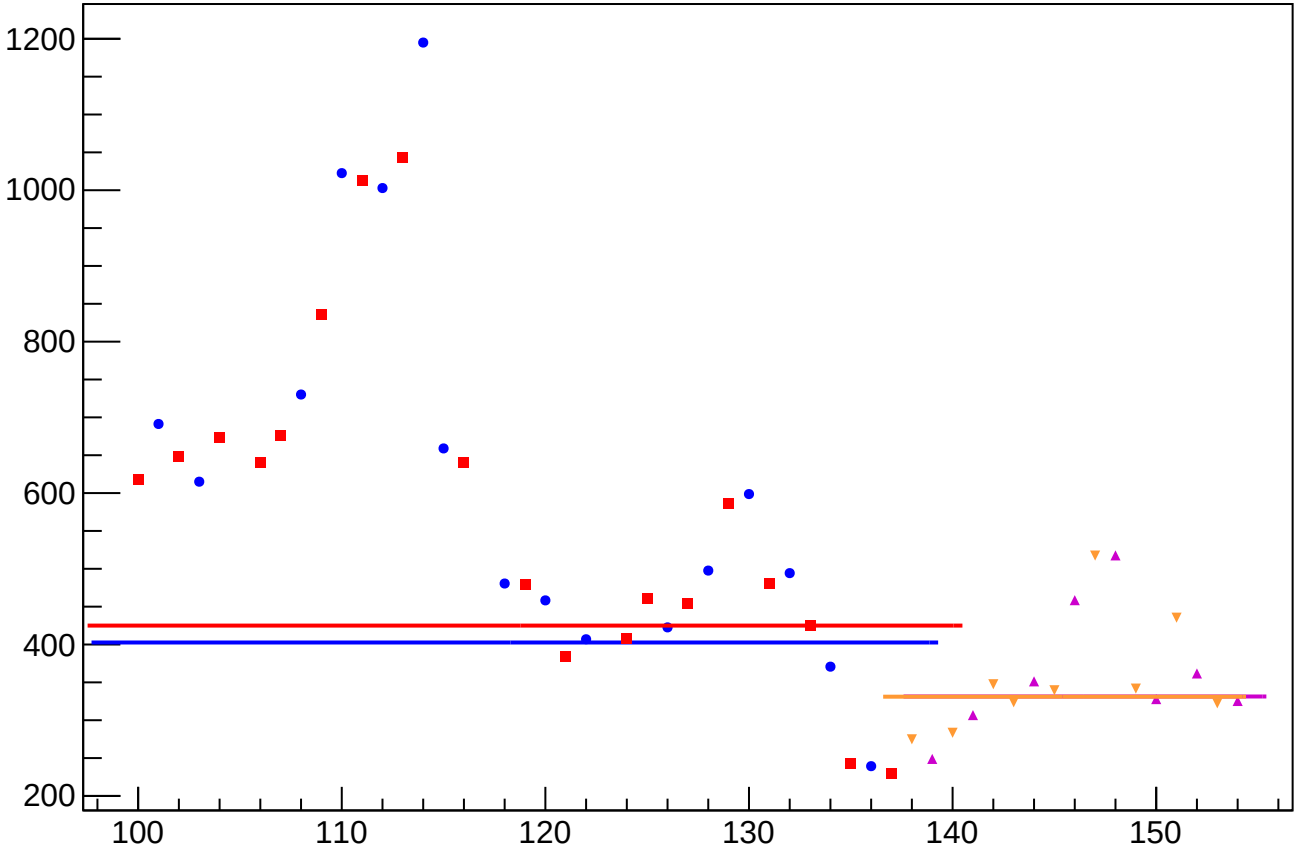
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -142.136+/-101.051 χ^2/NDF:26.2/23

Out: -14.594+/-102.181 χ^2/NDF:24.9/27

All: -79.074+/-71.850 χ^2/NDF: 51.8/51

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



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: 331.345+/-0.091 χ^2/NDF:558873.4/7

Left: 331.211+/-0.064 χ^2/NDF: 979812.4/16

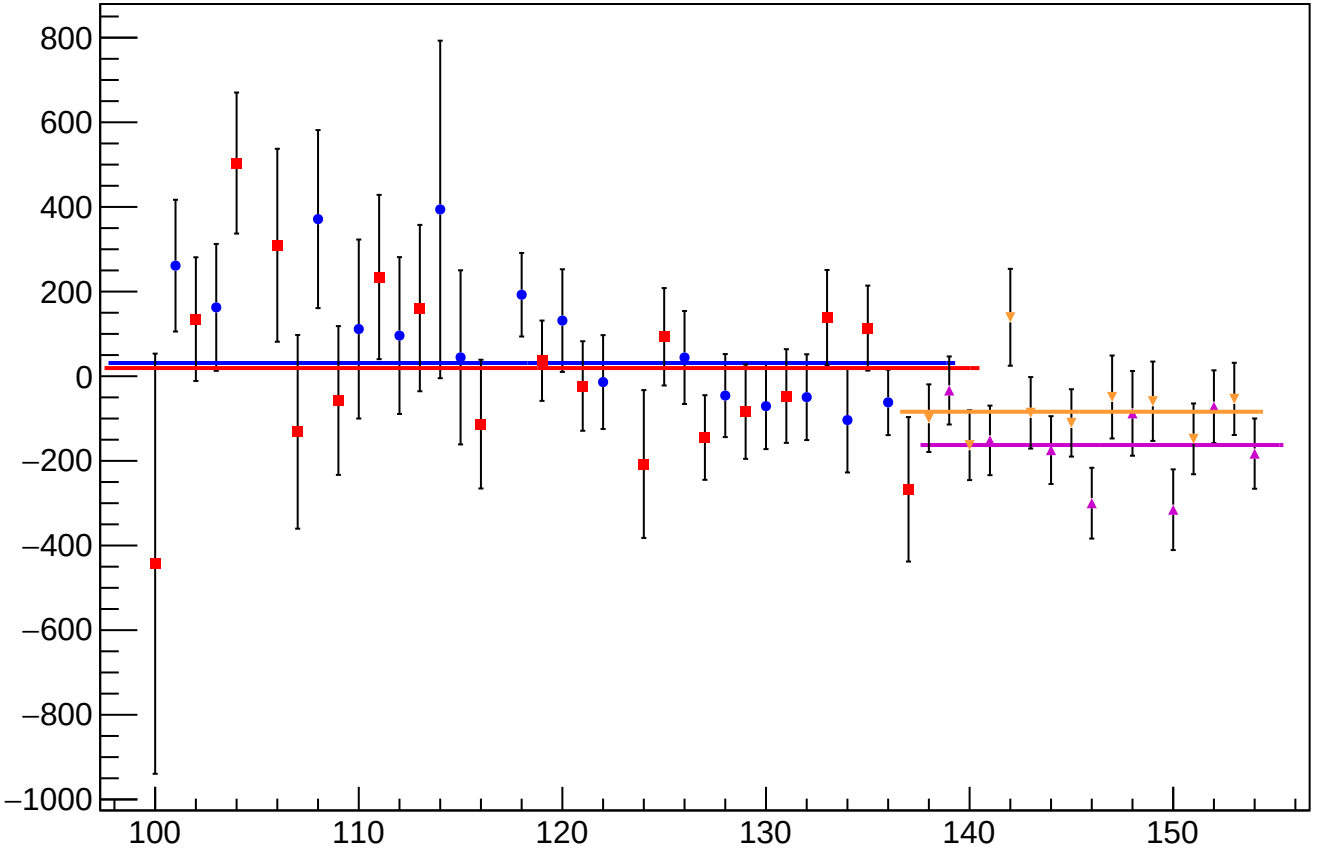
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 358.497+/-0.071 χ^2/NDF:3153812.5/23

Out: 364.811+/-0.072 χ^2/NDF:3150791.1/27

All: 361.619+/-0.051 χ^2/NDF: 6308463.7/51

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



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: -162.564+/-30.267 χ^2/NDF:9.6/7

Left: -121.769+/-20.999 χ^2/NDF: 18.9/16

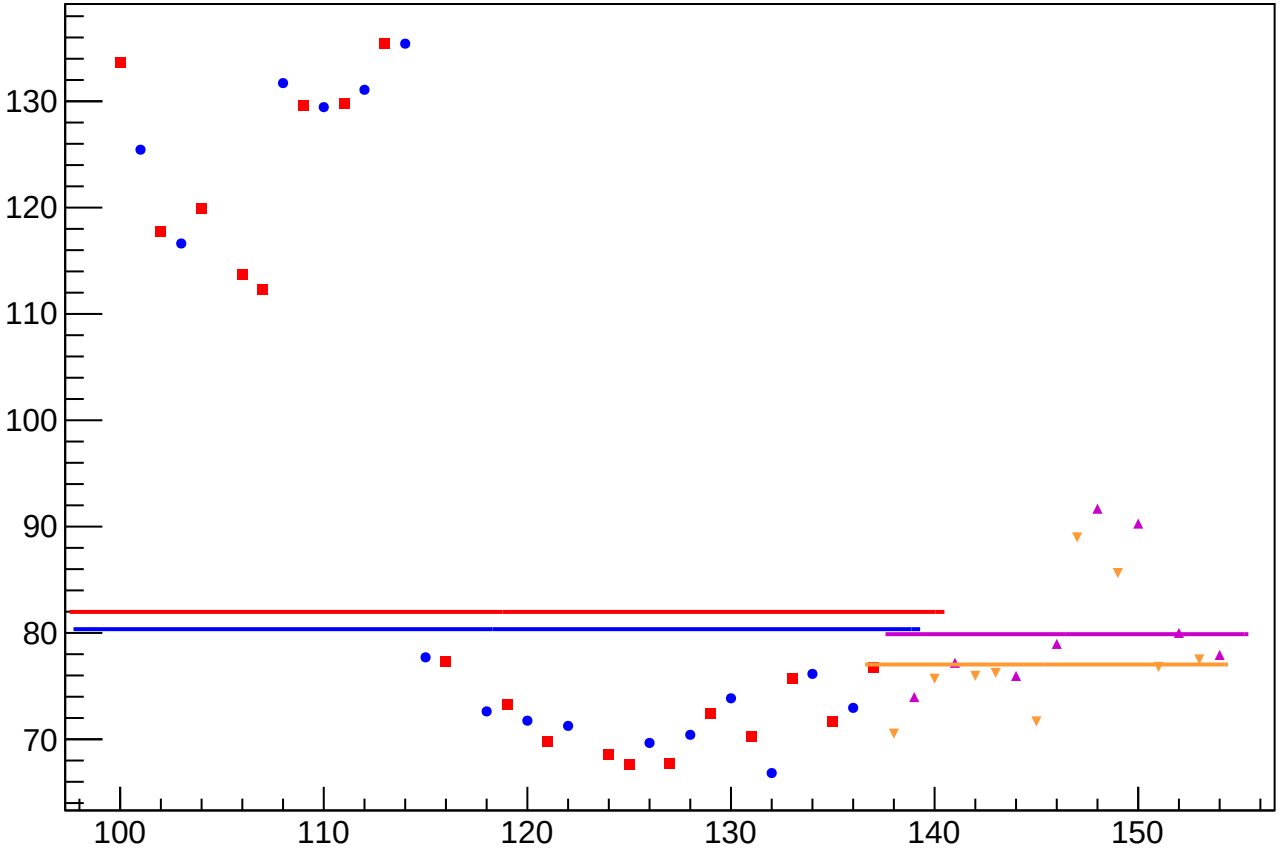
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -67.301+/-21.583 χ^2/NDF:44.8/23

Out: -35.569+/-21.258 χ^2/NDF:37.4/27

All: -51.194+/-15.145 χ^2/NDF: 83.3/51

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: 79.884+/-0.021 χ^2/NDF:70711.9/7

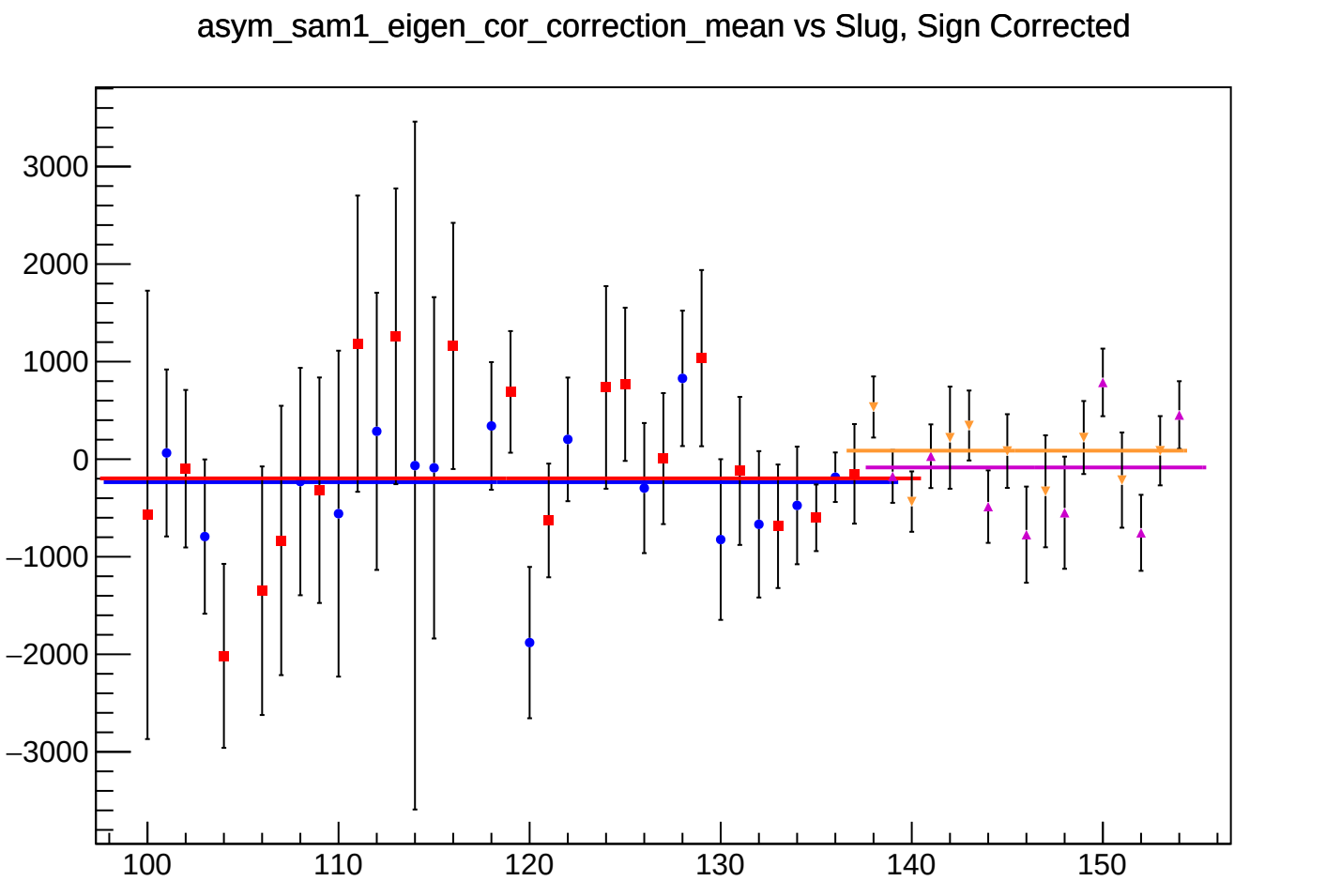
Left: 78.405+/-0.015 χ^2/NDF: 149750.2/16

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.115+/-0.015 χ^2/NDF:910989.1/23

Out: 79.349+/-0.015 χ^2/NDF:1027251.1/27

All: 79.726+/-0.011 χ^2/NDF: 1939516.9/51



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: -84.719+/-128.413 χ^2/NDF:15.7/7

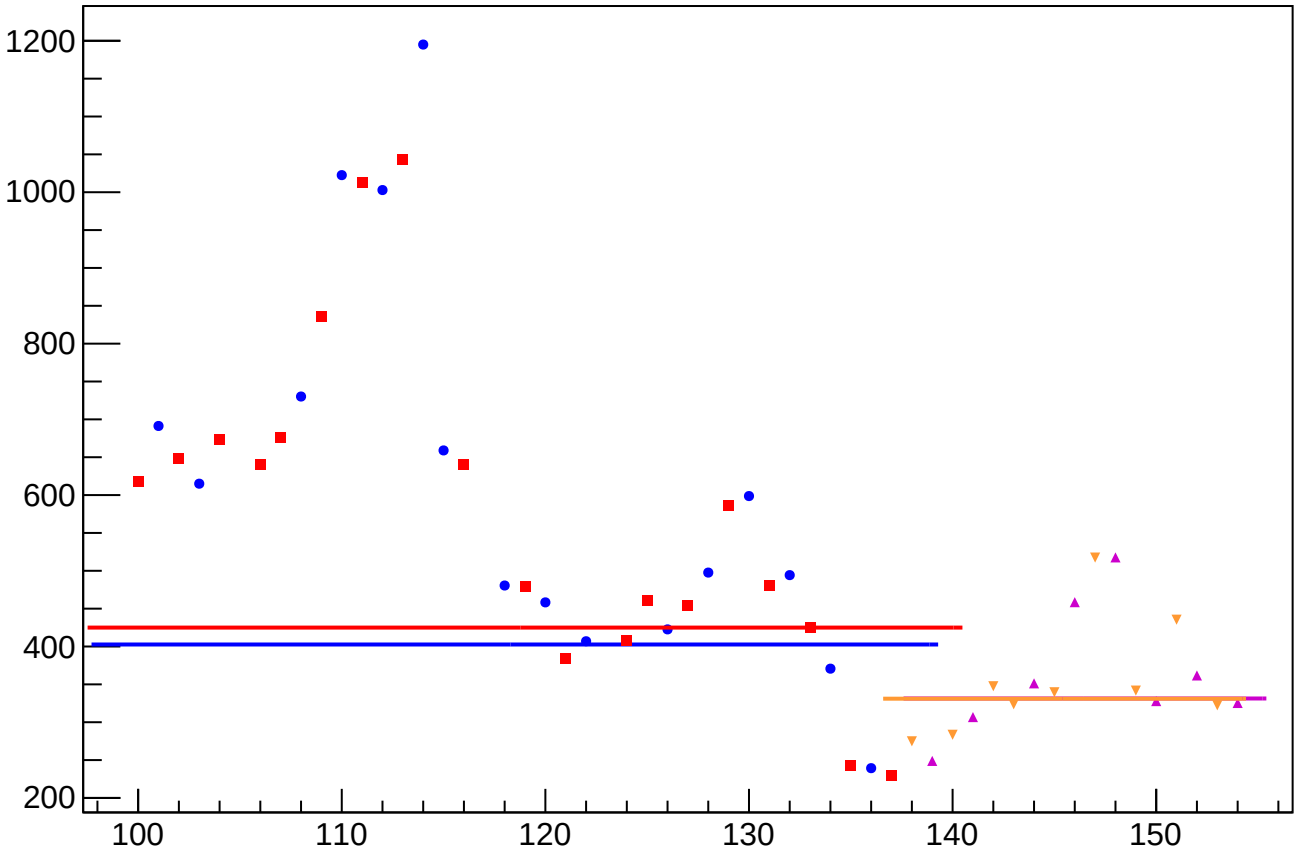
Left: 1.864+/-90.529 χ^2/NDF: 23.1/16

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -142.136+/-101.051 χ^2/NDF:26.2/23

Out: -14.594+/-102.181 χ^2/NDF:24.9/27

All: -79.074+/-71.850 χ^2/NDF: 51.8/51



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: 331.345+/-0.091 χ^2/NDF:558873.4/7

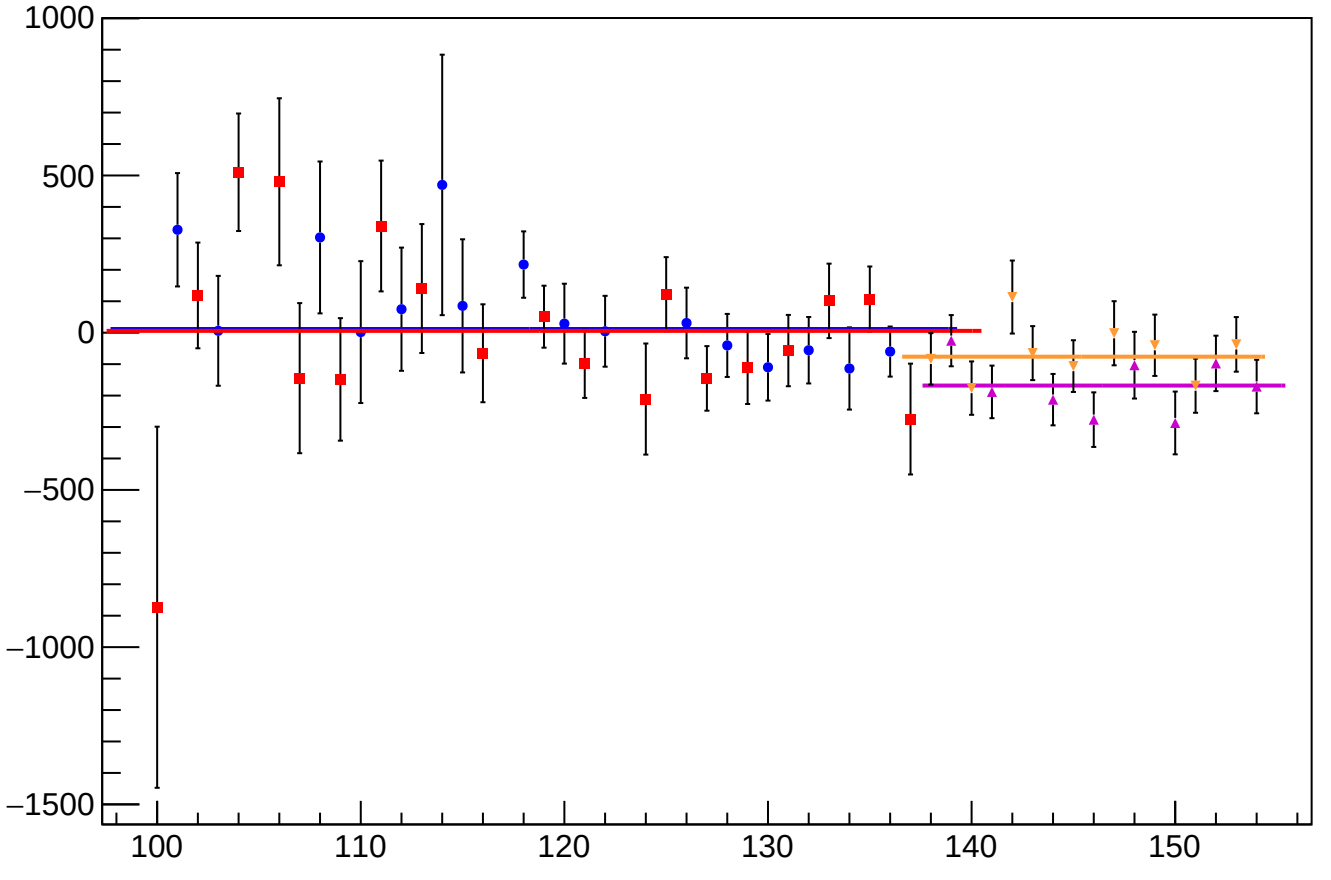
Left: 331.211+/-0.064 χ^2/NDF: 979812.4/16

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 358.497+/-0.071 χ^2/NDF:3153812.5/23

Out: 364.811+/-0.072 χ^2/NDF:3150791.1/27

All: 361.619+/-0.051 χ^2/NDF: 6308463.7/51



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: -168.107+/-31.123 χ^2/NDF:7.4/7

Left: -120.439+/-21.582 χ^2/NDF: 18.2/16

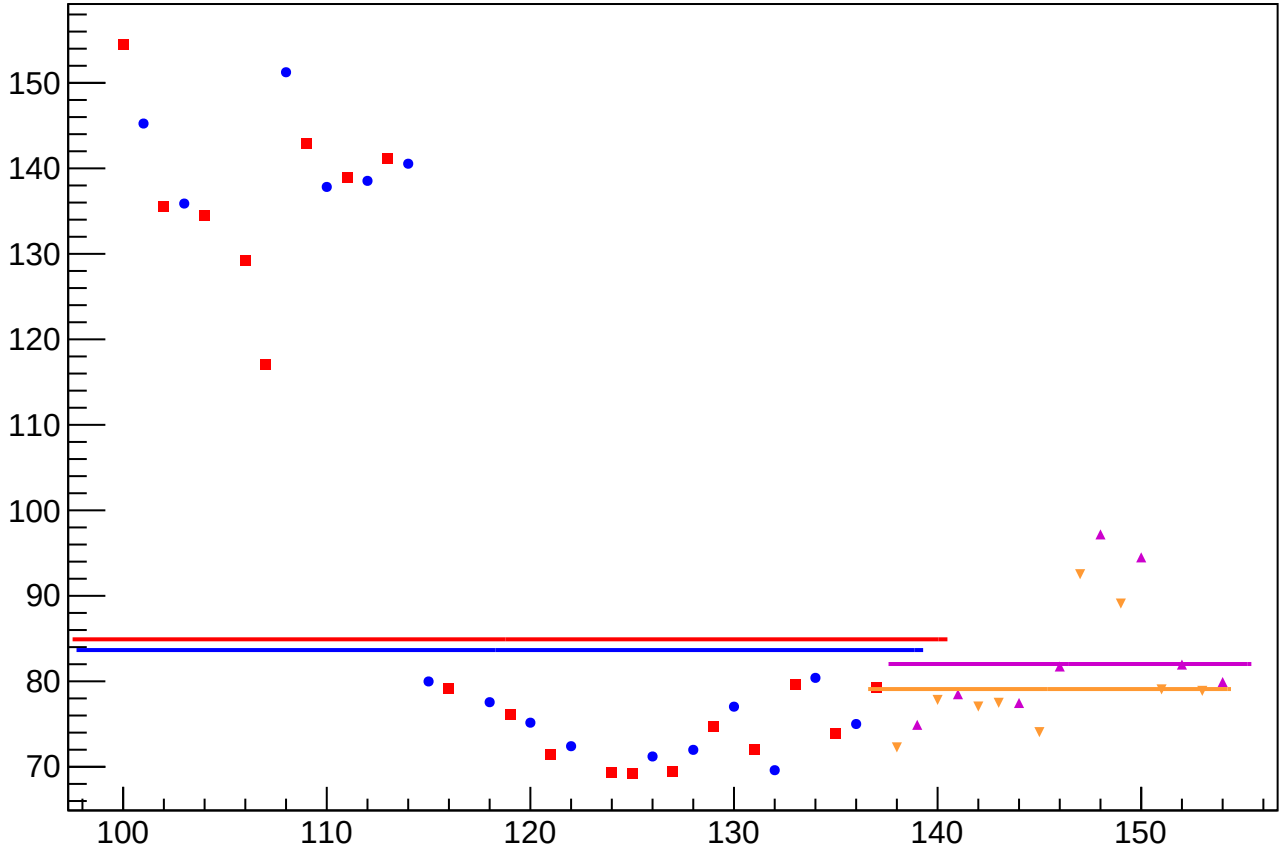
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -81.554+/-22.411 χ^2/NDF:37.0/23

Out: -38.504+/-22.008 χ^2/NDF:38.5/27

All: -59.639+/-15.703 χ^2/NDF: 77.4/51

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: 82.026+/-0.022 χ^2/NDF:98375.5/7

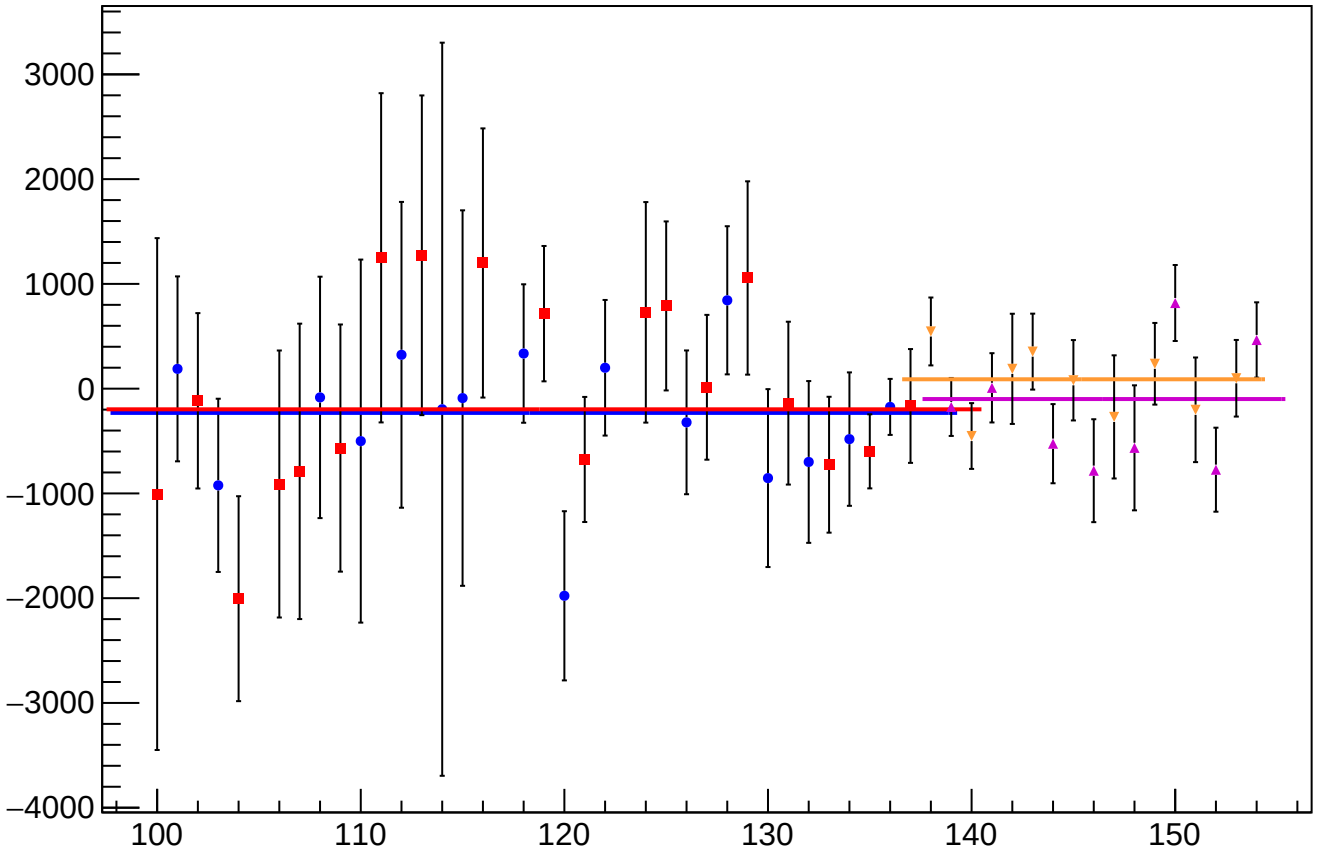
Left: 80.505+/-0.015 χ^2/NDF: 186503.9/16

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.811+/-0.016 χ^2/NDF:1135815.2/23

Out: 81.773+/-0.016 χ^2/NDF:1235305.8/27

All: 82.283+/-0.011 χ^2/NDF: 2373307.9/51



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: -99.154+/-131.616 χ^2/NDF:15.7/7

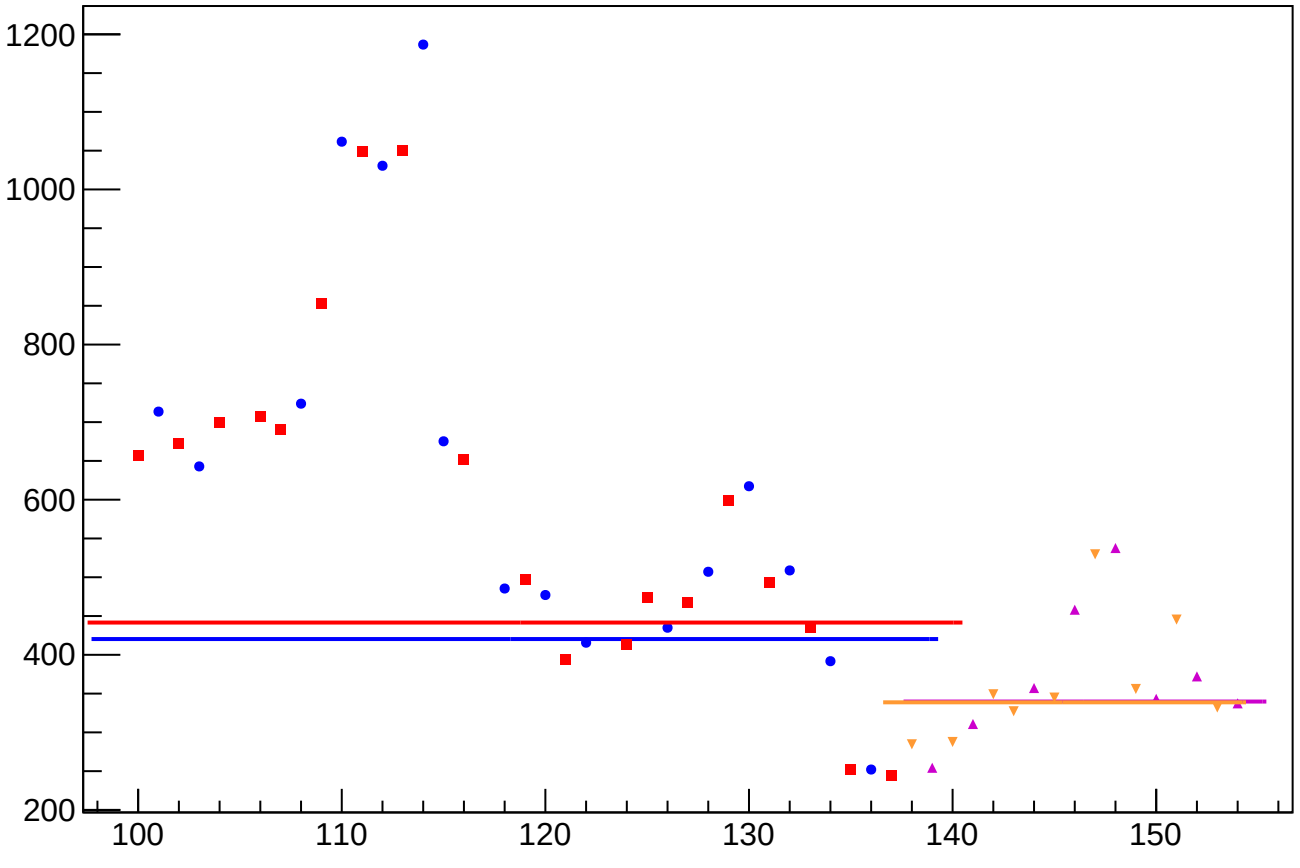
Left: -4.085+/-92.696 χ^2/NDF: 23.1/16

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -148.669+/-104.101 χ^2/NDF:26.5/23

Out: -12.225+/-104.885 χ^2/NDF:24.0/27

All: -80.959+/-73.886 χ^2/NDF: 51.3/51



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: 339.748+/-0.093 χ^2/NDF:559640.8/7

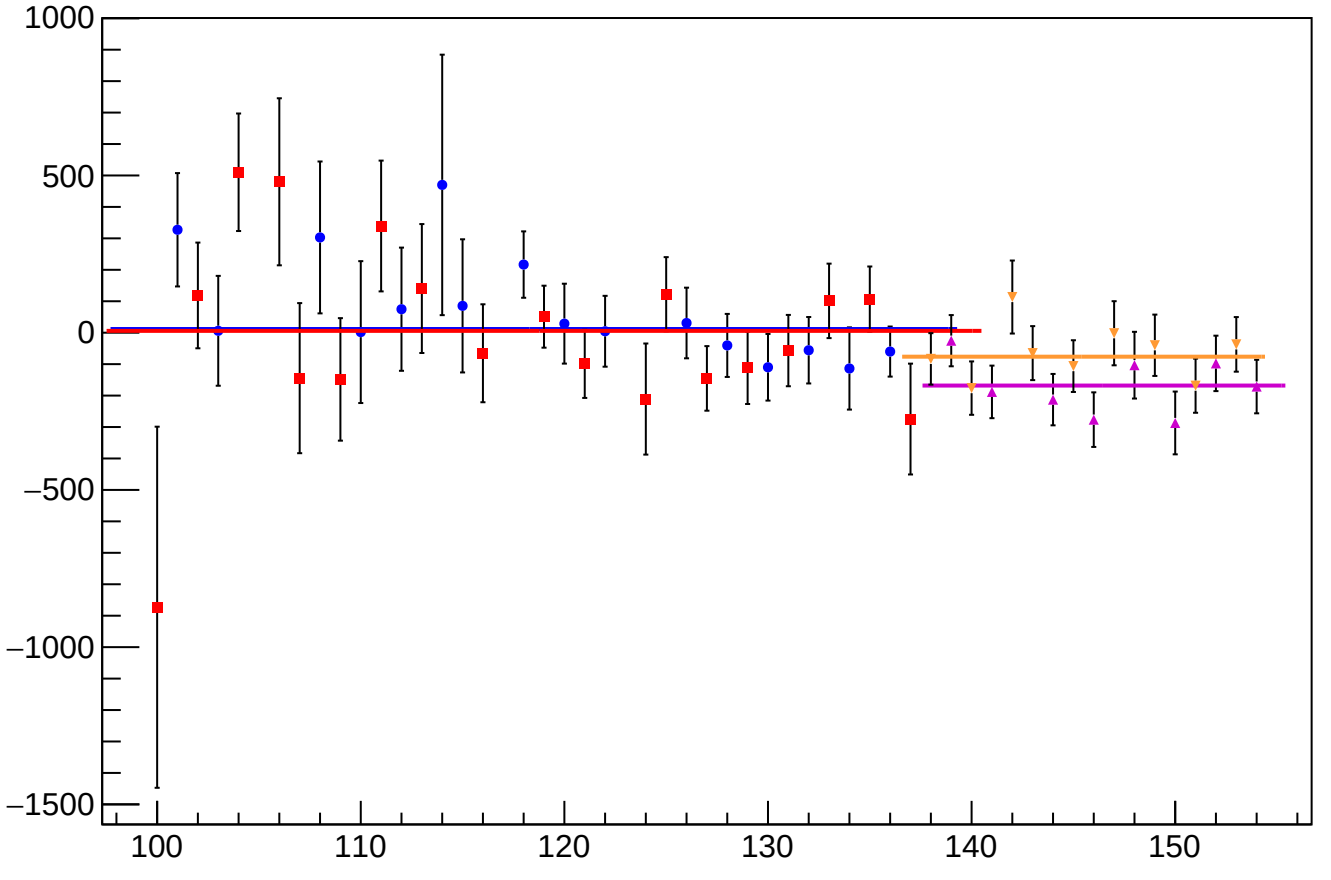
Left: 339.246+/-0.066 χ^2/NDF: 978495.1/16

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 369.918+/-0.074 χ^2/NDF:3094933.2/23

Out: 375.238+/-0.074 χ^2/NDF:3166582.2/27

All: 372.558+/-0.052 χ^2/NDF: 6264107.7/51



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: -168.107+/-31.123 χ^2/NDF:7.4/7

Left: -120.439+/-21.582 χ^2/NDF: 18.2/16

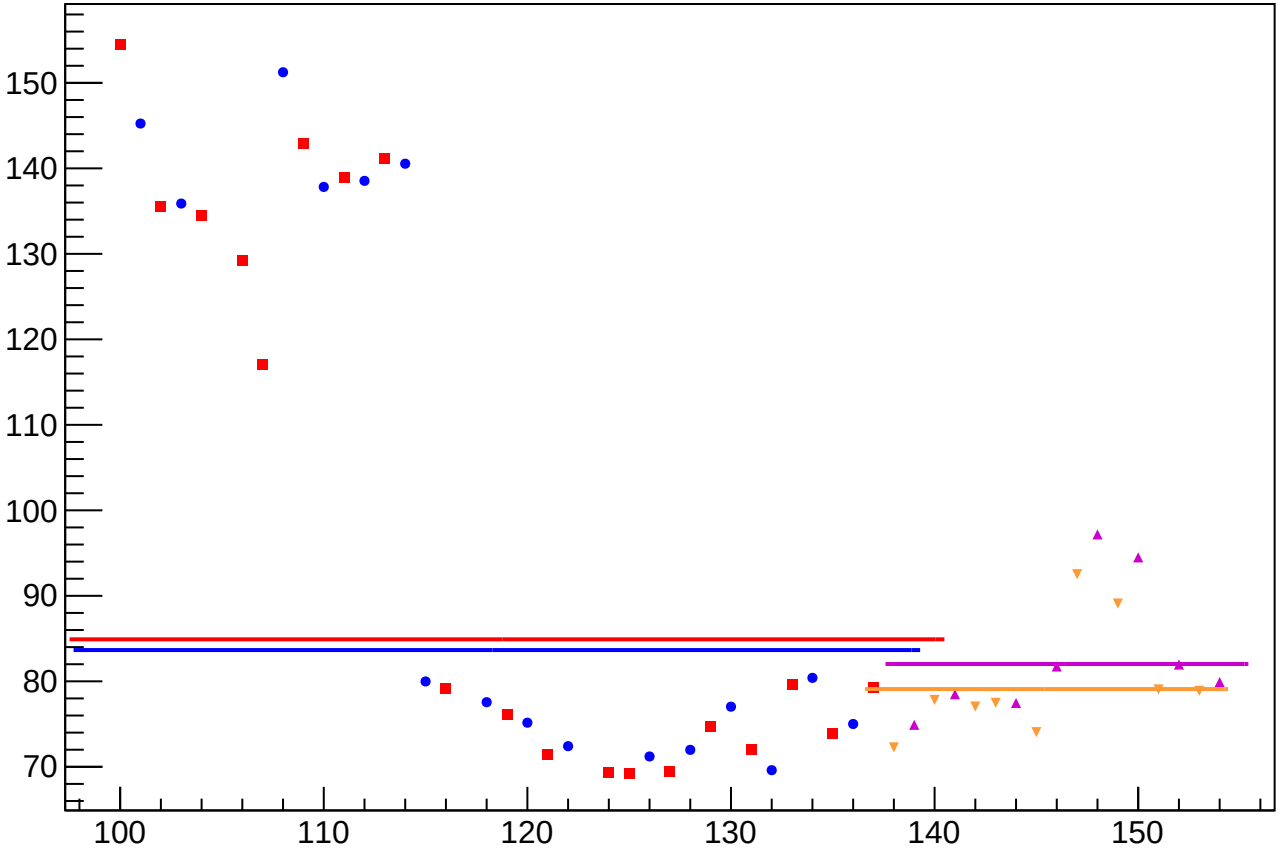
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -81.553+/-22.411 χ^2/NDF:37.0/23

Out: -38.504+/-22.008 χ^2/NDF:38.5/27

All: -59.639+/-15.703 χ^2/NDF: 77.4/51

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: 82.026+/-0.022 χ^2/NDF:98374.7/7

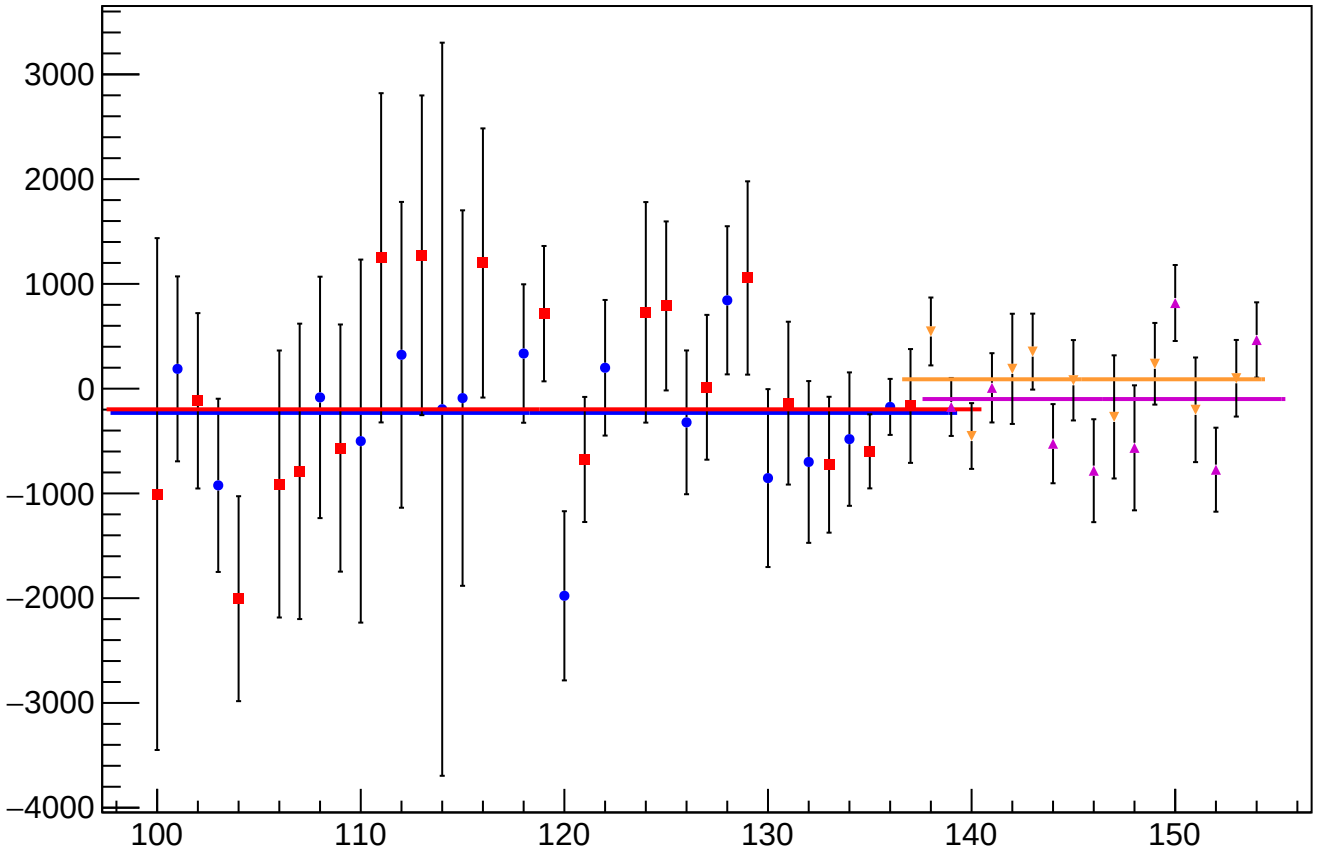
Left: 80.505+/-0.015 χ^2/NDF: 186502.6/16

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.811+/-0.016 χ^2/NDF:1135813.6/23

Out: 81.773+/-0.016 χ^2/NDF:1235303.6/27

All: 82.283+/-0.011 χ^2/NDF: 2373304.2/51



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: -99.154+/-131.616 χ^2/NDF:15.7/7

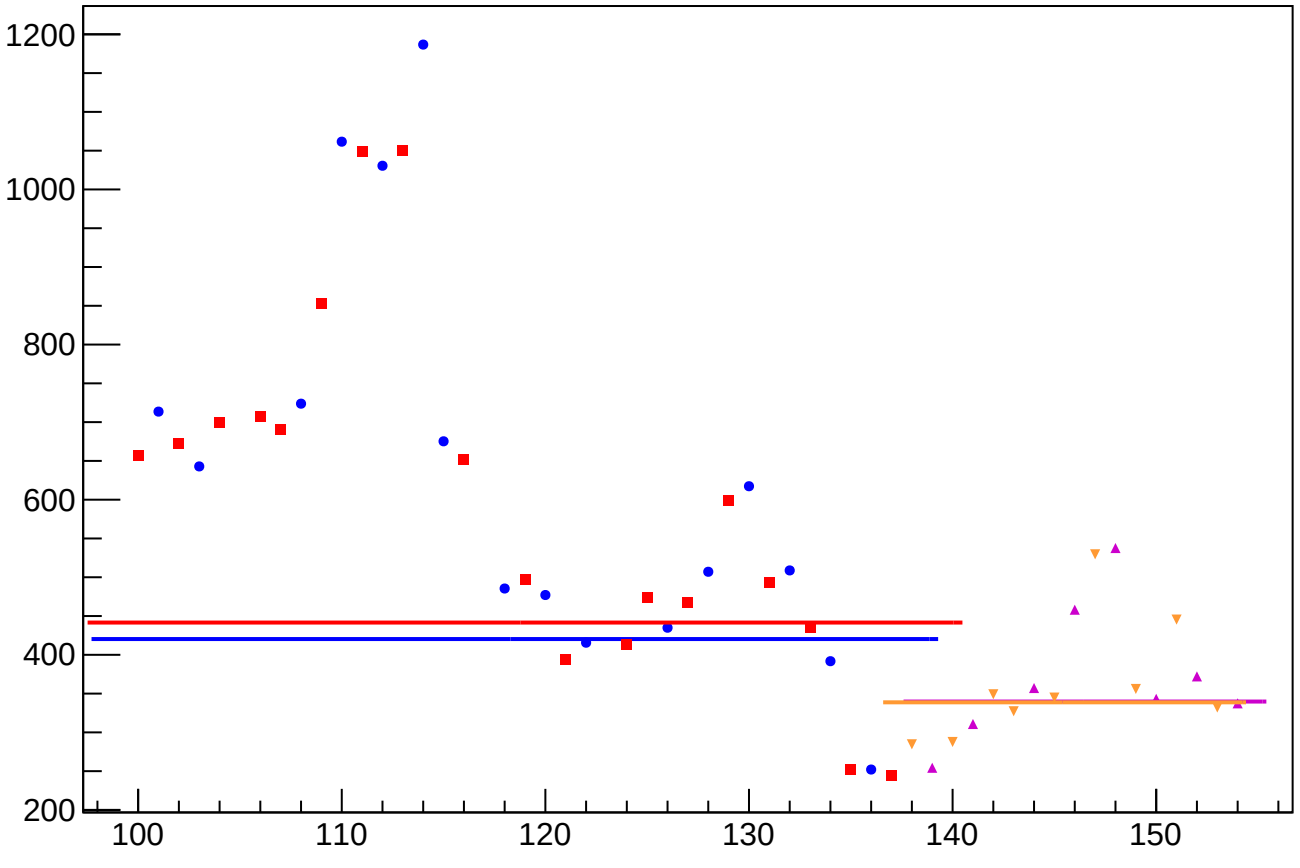
Left: -4.085+/-92.696 χ^2/NDF: 23.1/16

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -148.669+/-104.101 χ^2/NDF:26.5/23

Out: -12.226+/-104.885 χ^2/NDF:24.0/27

All: -80.959+/-73.886 χ^2/NDF: 51.3/51



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: 339.748+/-0.093 χ^2/NDF:559641.6/7

Left: 339.246+/-0.066 χ^2/NDF: 978495.5/16

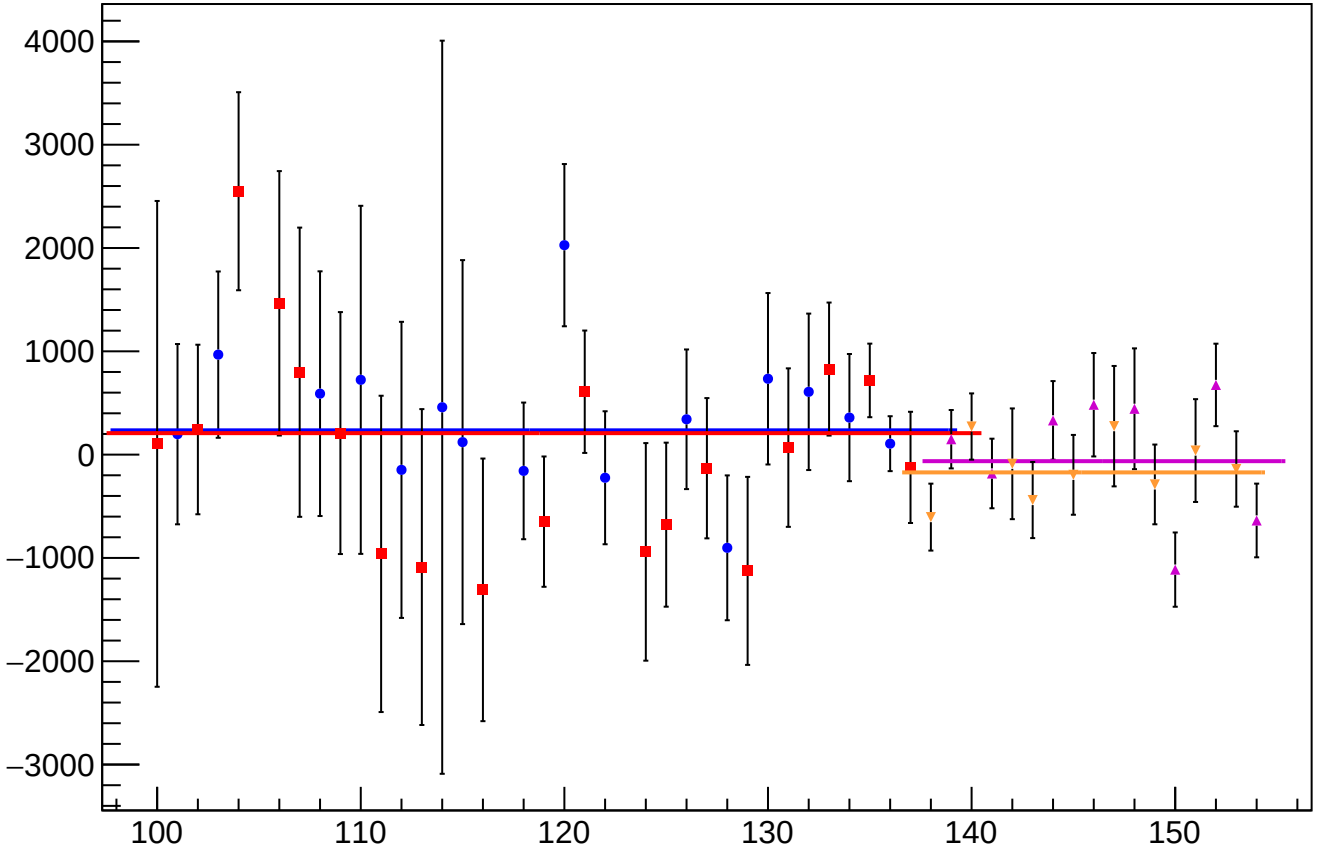
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 369.918+/-0.074 χ^2/NDF:3094936.1/23

Out: 375.238+/-0.074 χ^2/NDF:3166584.5/27

All: 372.558+/-0.052 χ^2/NDF: 6264112.9/51

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: -63.292+/-132.401 χ^2/NDF:18.2/7

Left: -118.146+/-93.231 χ^2/NDF: 23.7/16

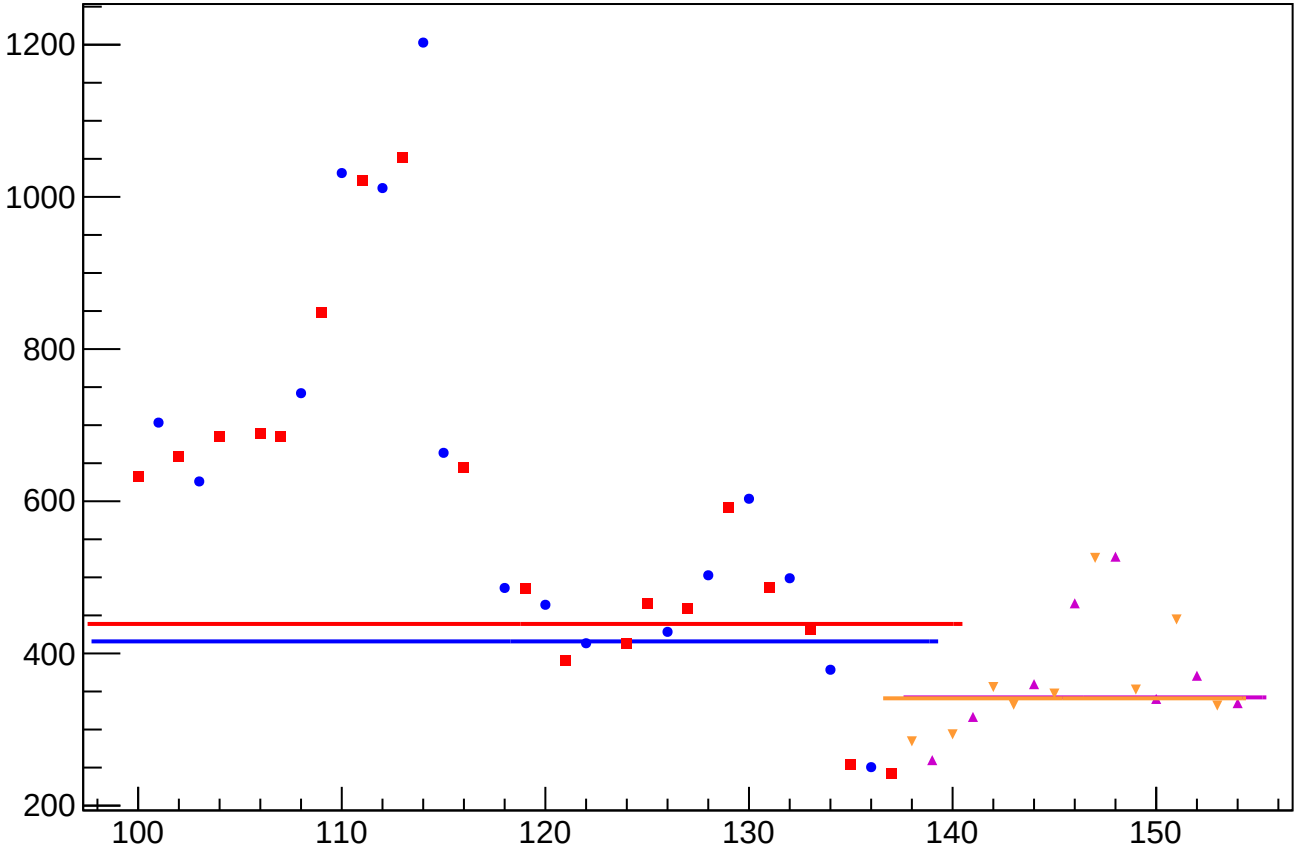
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 50.849+/-104.036 χ^2/NDF:30.9/23

Out: -34.929+/-104.965 χ^2/NDF:28.5/27

All: 8.341+/-73.891 χ^2/NDF: 59.7/51

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: 342.253+/-0.094 χ^2/NDF:519234.3/7

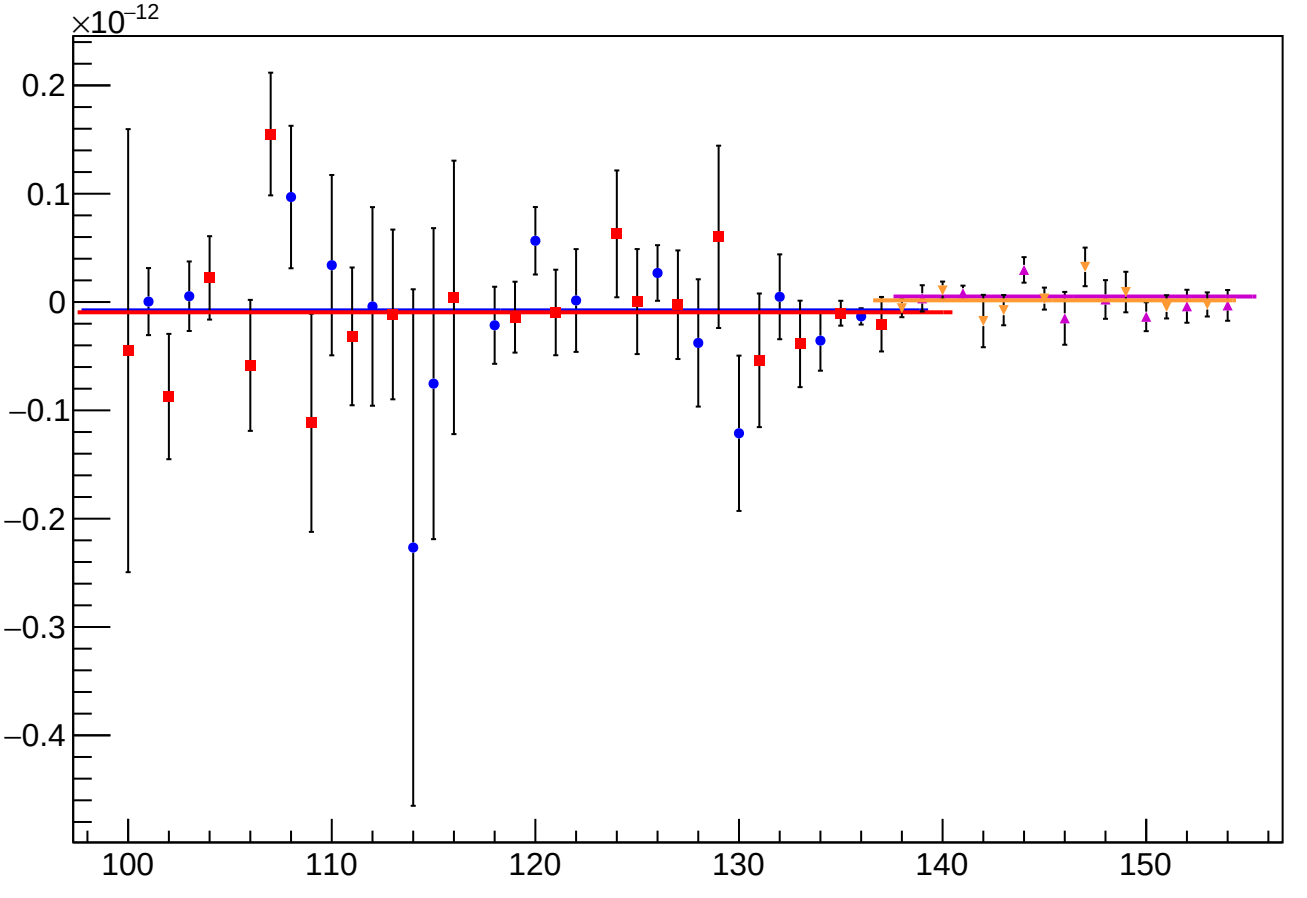
Left: 341.630+/-0.066 χ^2/NDF: 917456.8/16

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 370.406+/-0.074 χ^2/NDF:2979537.6/23

Out: 376.301+/-0.074 χ^2/NDF:3033033.7/27

All: 373.327+/-0.052 χ^2/NDF: 6015753.7/51



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:7.9/7

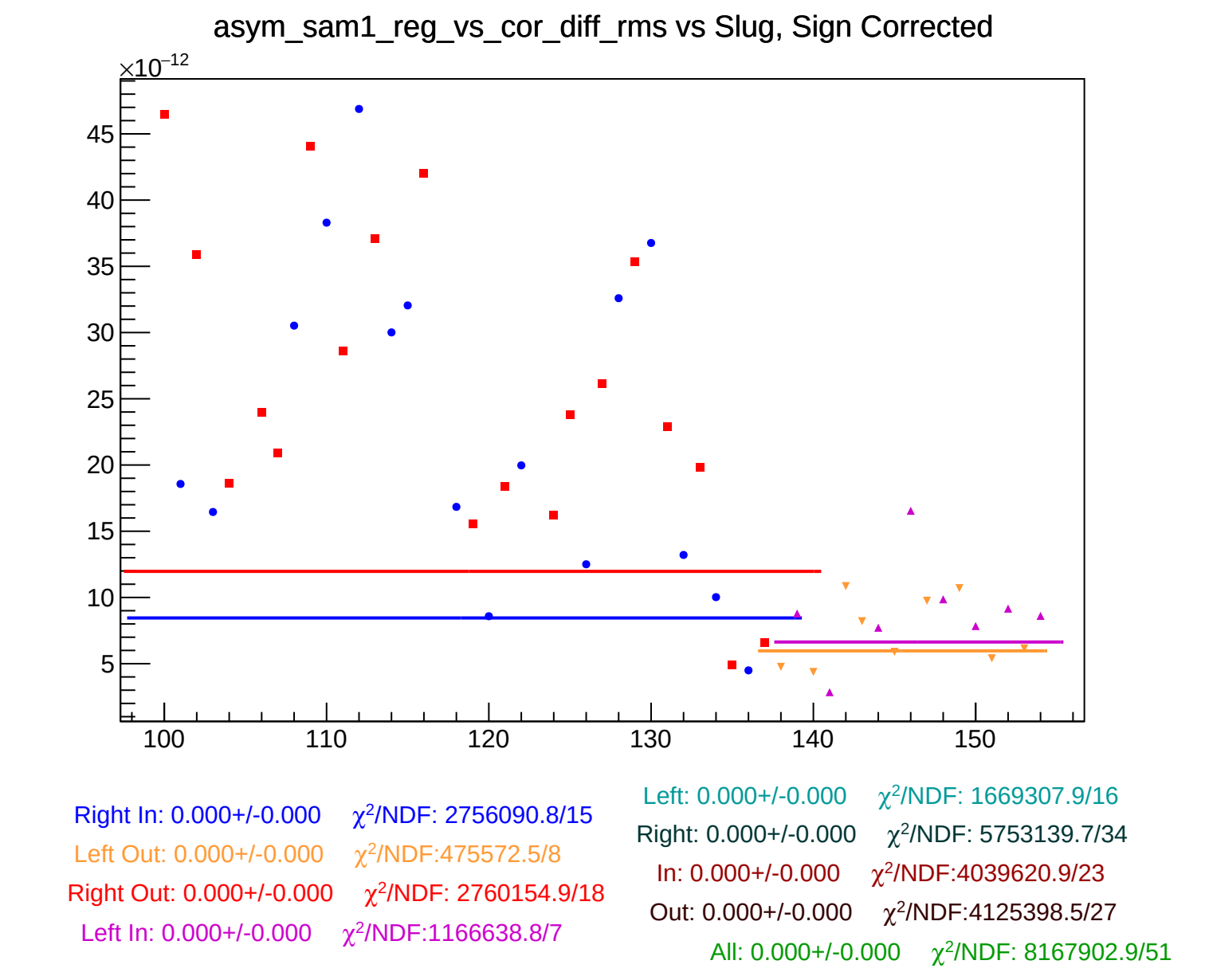
Left: 0.000+/-0.000 χ^2/NDF: 15.0/16

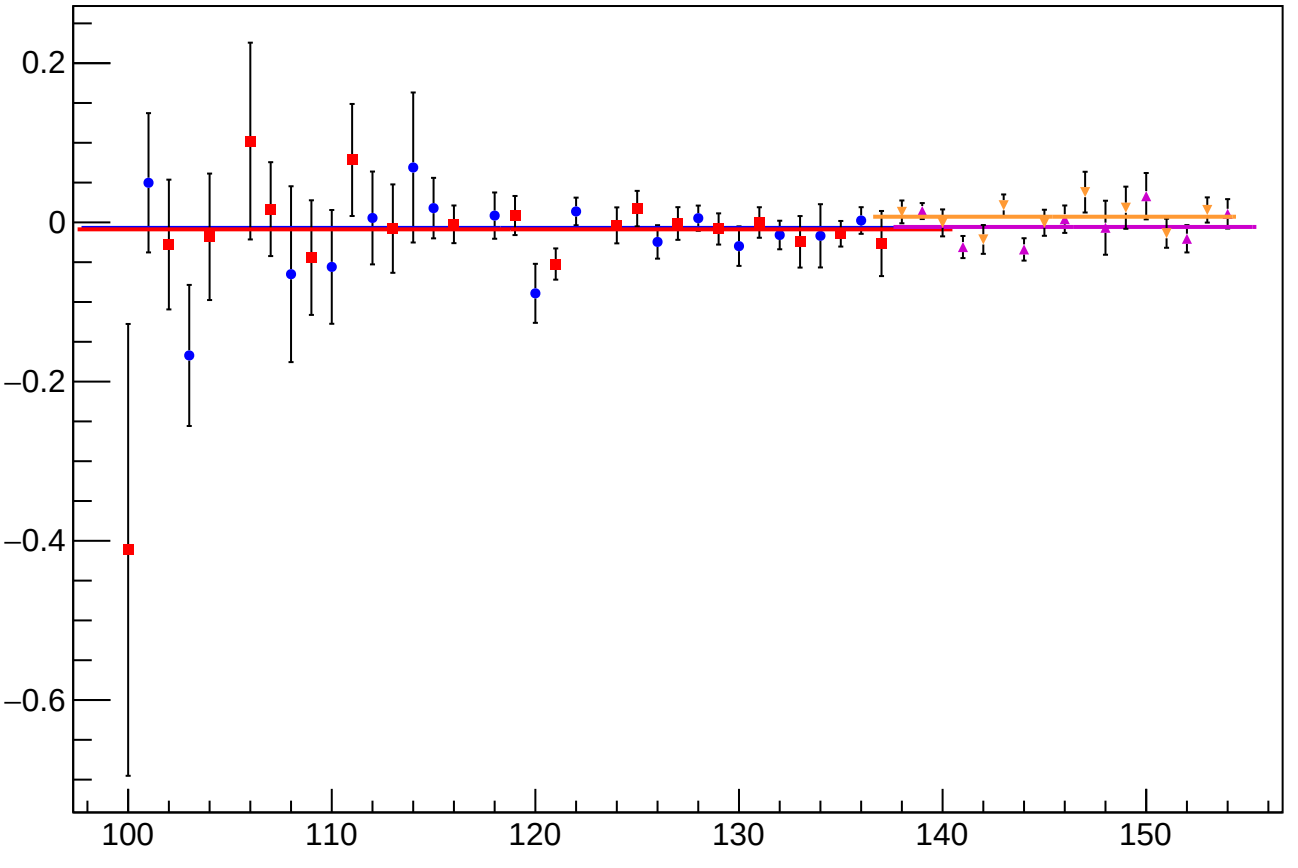
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.5/23

Out: -0.000+/-0.000 χ^2/NDF:24.5/27

All: 0.000+/-0.000 χ^2/NDF: 50.1/51


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:1166638.8/7
Left: 0.000+/-0.000 χ²/NDF: 1669307.9/16
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4039620.9/23
Out: 0.000+/-0.000 χ²/NDF:4125398.5/27
All: 0.000+/-0.000 χ²/NDF: 8167902.9/51



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: -0.006+/-0.006 χ^2/NDF:14.9/7

Left: 0.001+/-0.004 χ^2/NDF: 24.9/16

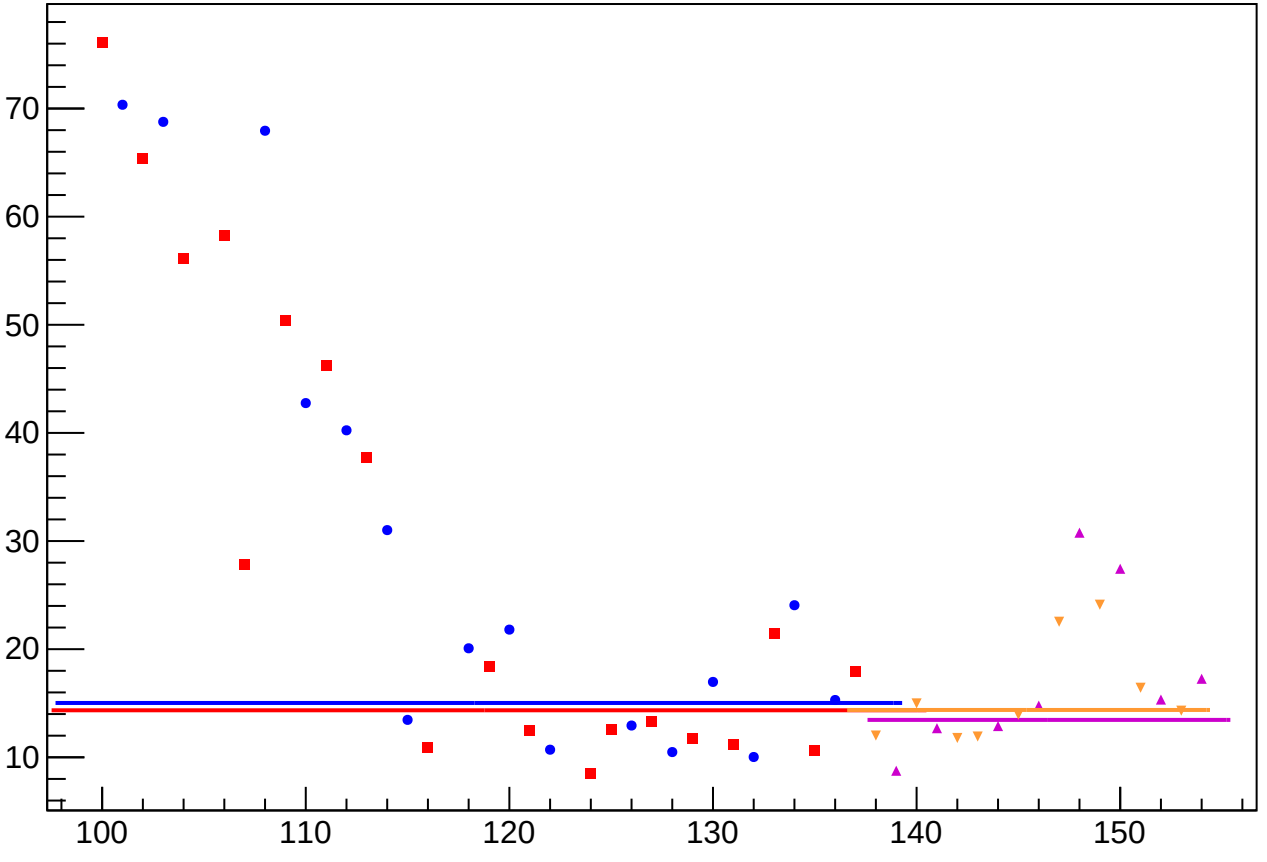
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:29.9/23

Out: 0.000+/-0.004 χ^2/NDF:23.5/27

All: -0.003+/-0.003 χ^2/NDF: 54.4/51

asym_sam1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.378+/-0.004 χ^2/NDF:663725.5/8

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.459+/-0.004 χ^2/NDF:1549805.6/7

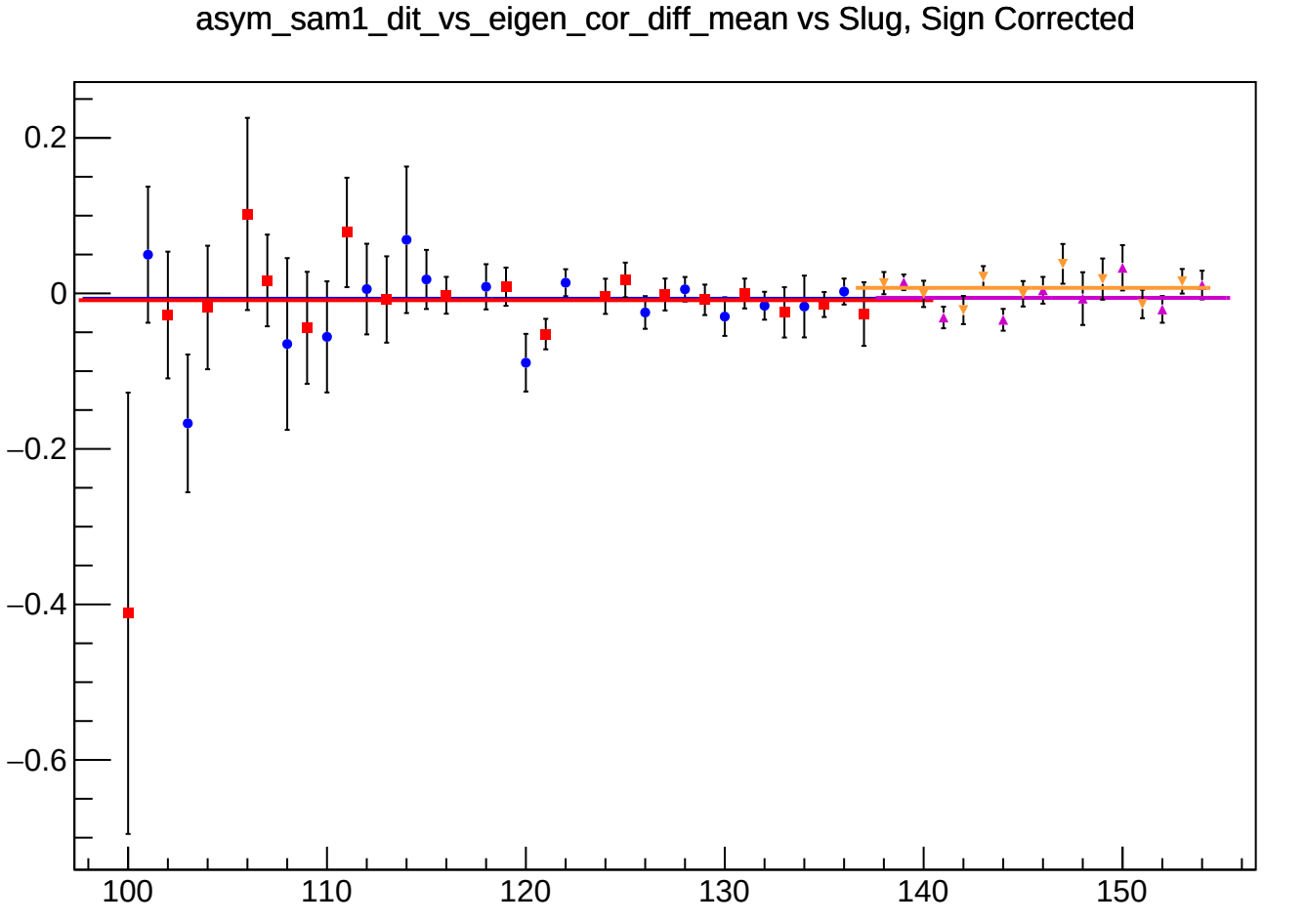
Left: 13.909+/-0.003 χ^2/NDF: 2239874.7/16

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.100+/-0.003 χ^2/NDF:5052060.3/23

Out: 14.365+/-0.003 χ^2/NDF:4292765.2/27

All: 14.234+/-0.002 χ^2/NDF: 9348661.4/51



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: -0.006+/-0.006 χ^2/NDF:14.9/7

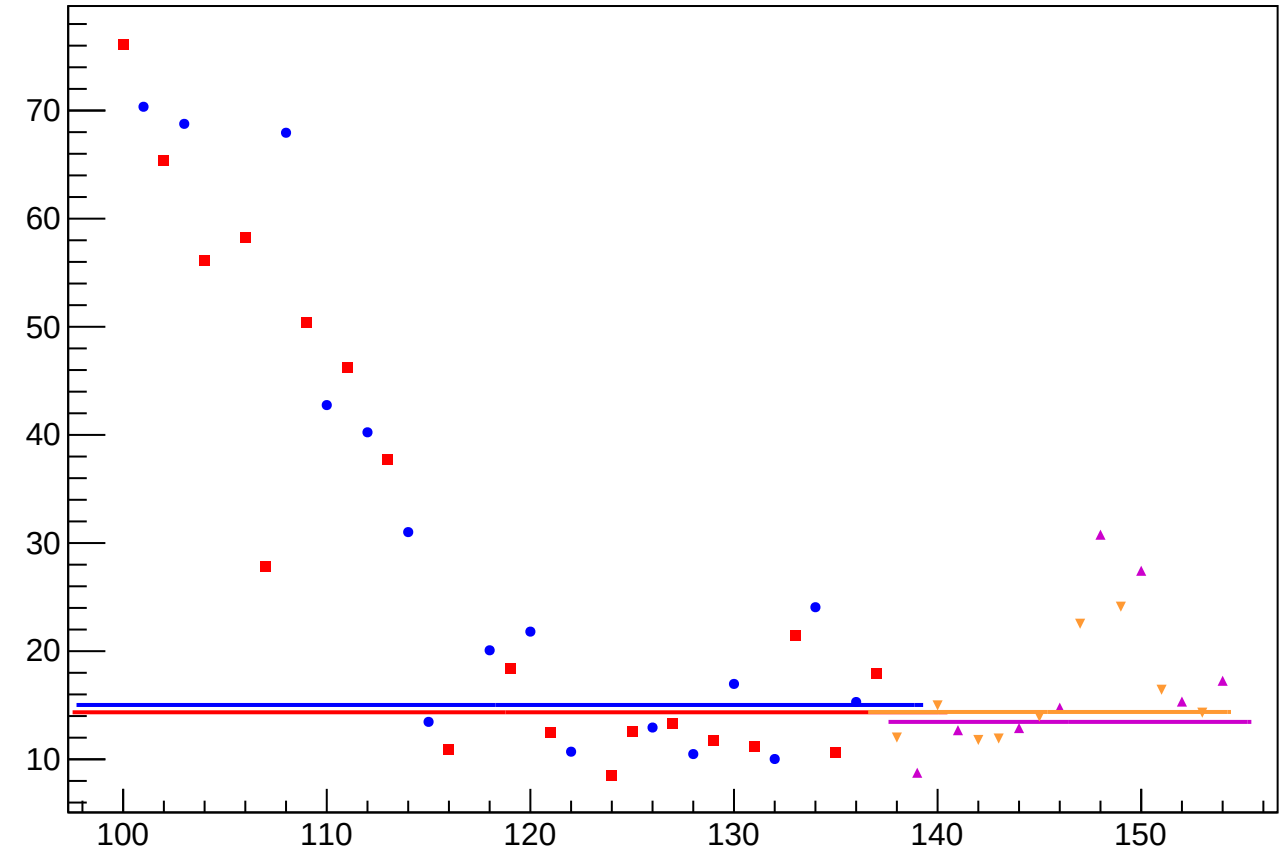
Left: 0.001+/-0.004 χ^2/NDF: 24.9/16

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:29.9/23

Out: 0.000+/-0.004 χ^2/NDF:23.5/27

All: -0.003+/-0.003 χ^2/NDF: 54.4/51



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: 13.459+/-0.004 χ^2/NDF:1549805.6/7

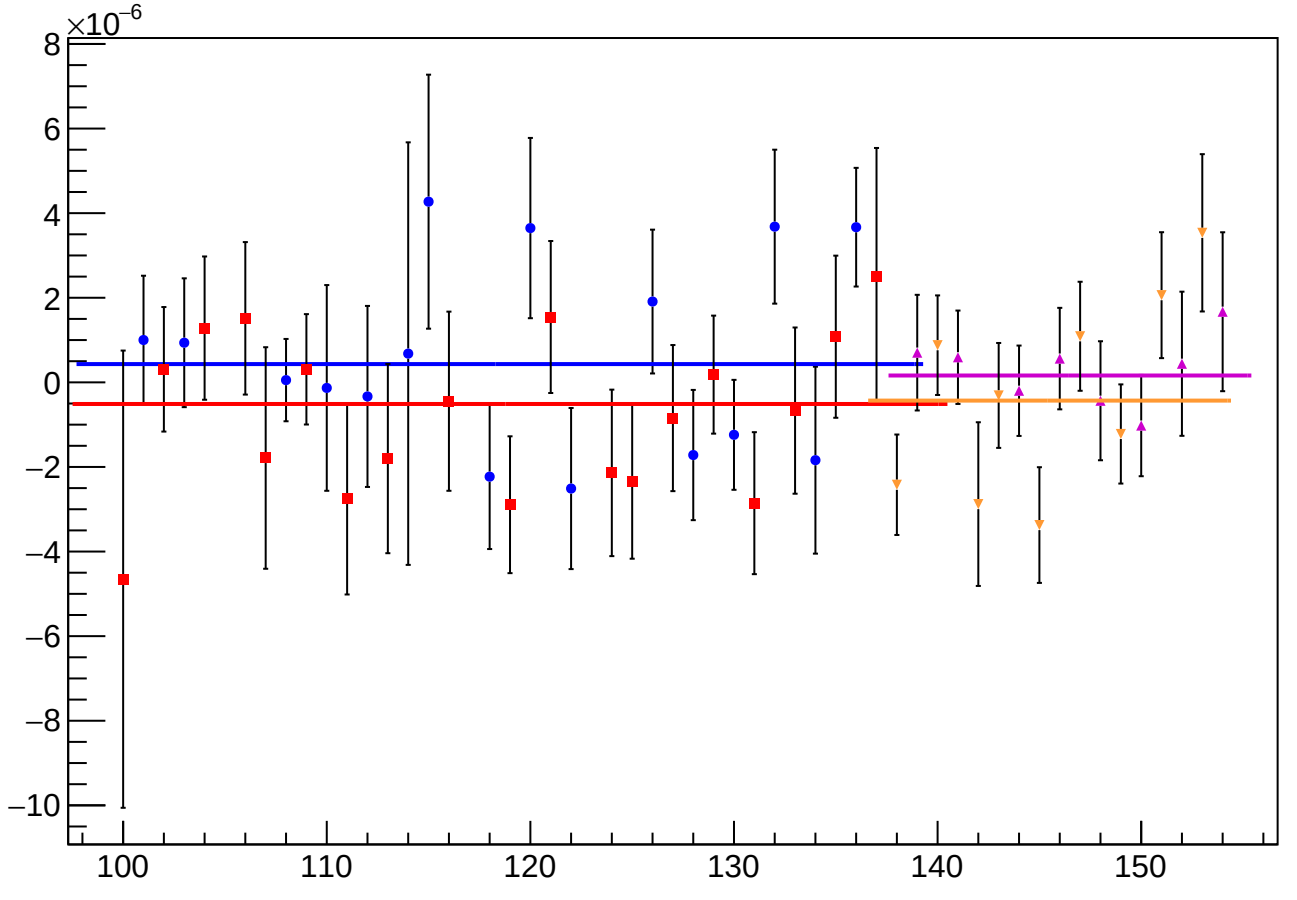
Left: 13.909+/-0.003 χ^2/NDF: 2239874.7/16

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.100+/-0.003 χ^2/NDF:5052060.3/23

Out: 14.365+/-0.003 χ^2/NDF:4292765.2/27

All: 14.234+/-0.002 χ^2/NDF: 9348661.4/51



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:2.4/7

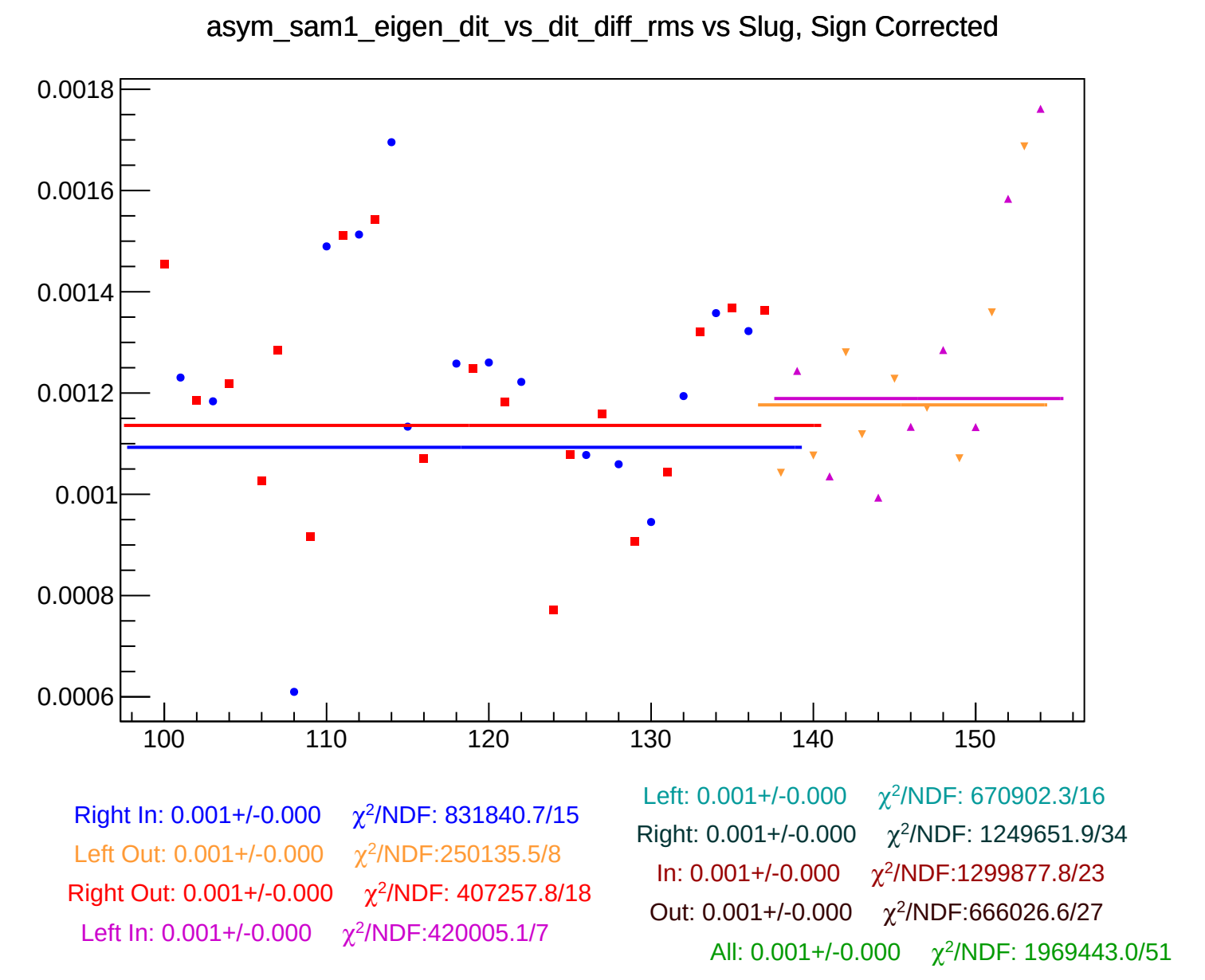
Left: -0.000+/-0.000 χ^2/NDF: 22.7/16

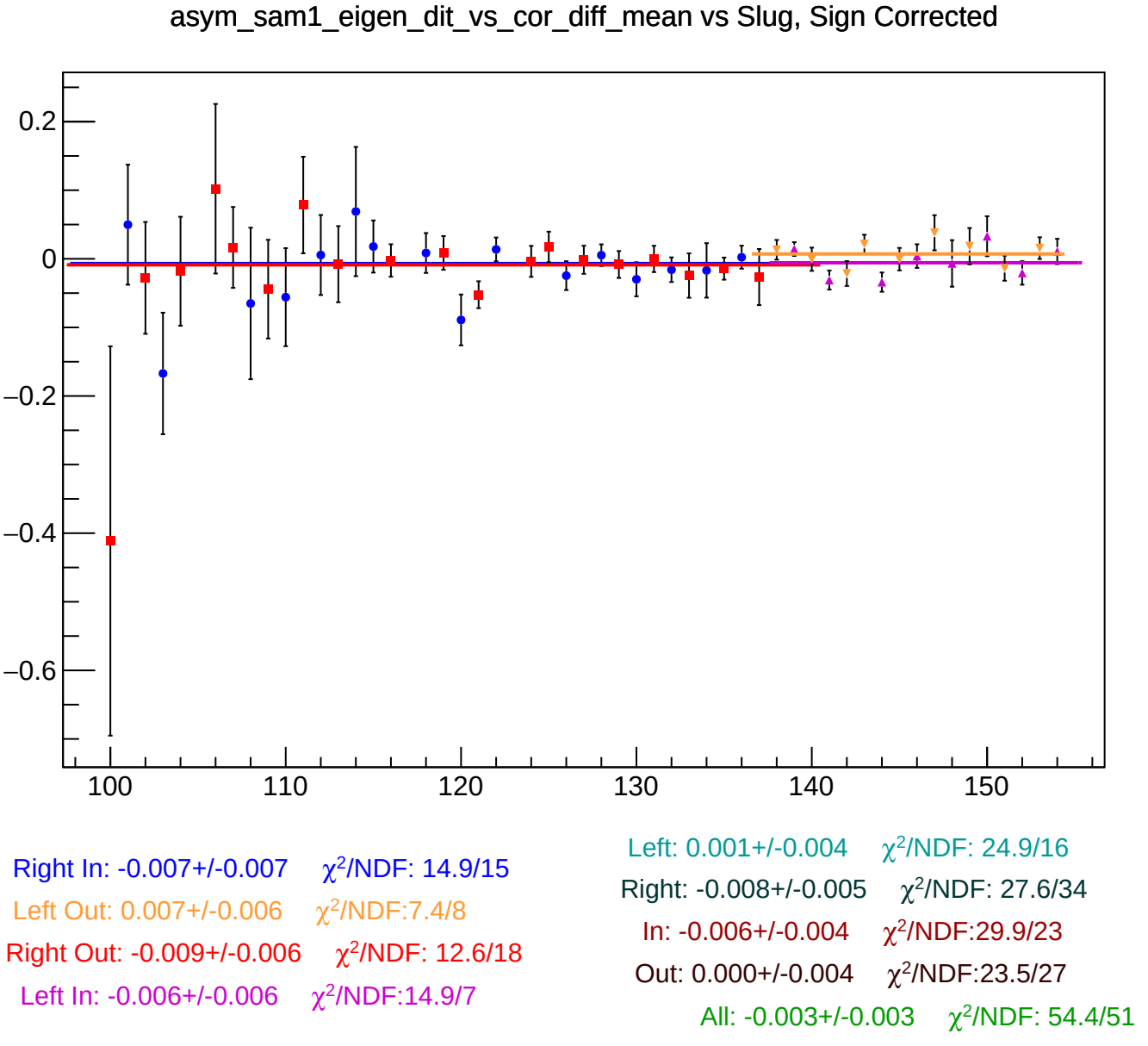
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

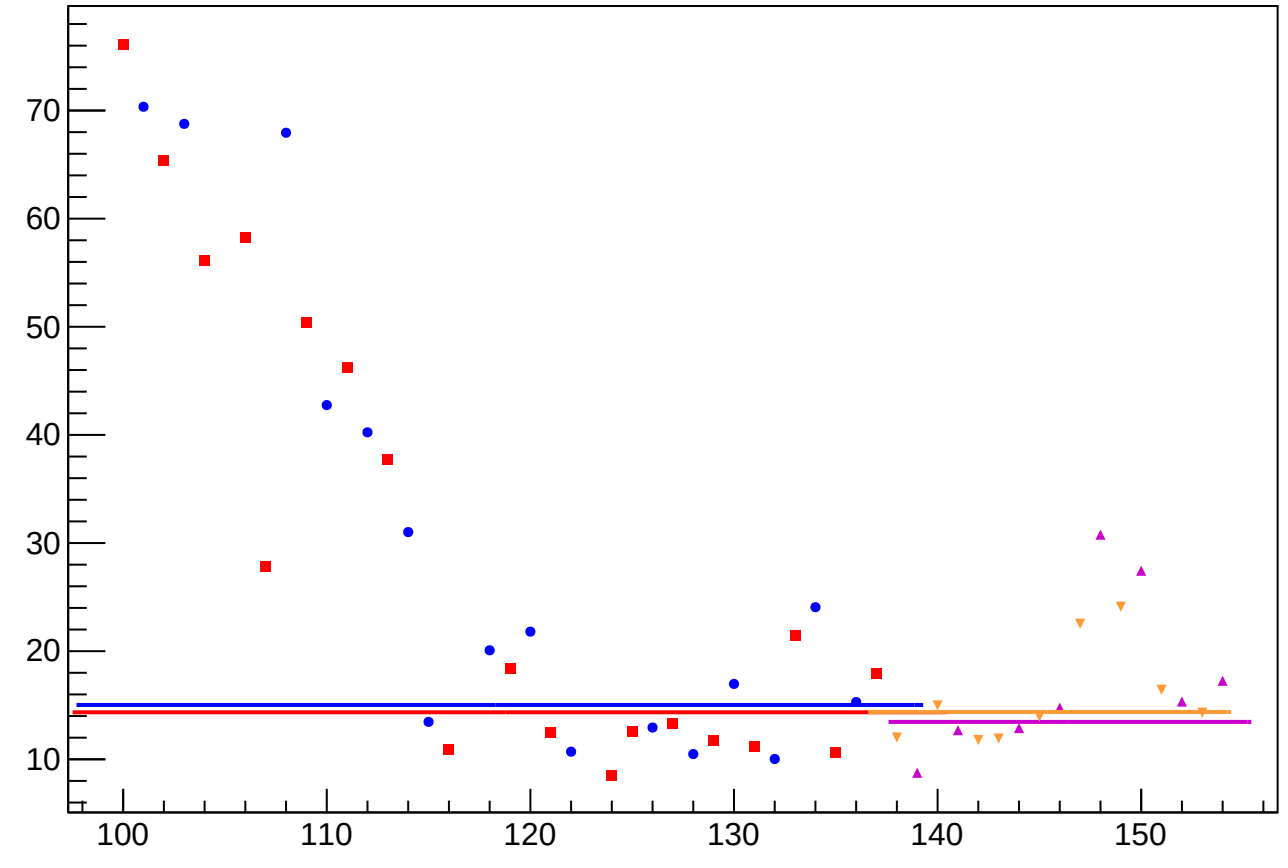
In: 0.000+/-0.000 χ^2/NDF:25.8/23

Out: -0.000+/-0.000 χ^2/NDF:33.8/27

All: -0.000+/-0.000 χ^2/NDF: 62.8/51


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
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:420005.1/7
Left: 0.001+/-0.000 χ²/NDF: 670902.3/16
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1299877.8/23
Out: 0.001+/-0.000 χ²/NDF:666026.6/27
All: 0.001+/-0.000 χ²/NDF: 1969443.0/51


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: -0.006+/-0.006 χ²/NDF:14.9/7
Left: 0.001+/-0.004 χ²/NDF: 24.9/16
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.006+/-0.004 χ²/NDF:29.9/23
Out: 0.000+/-0.004 χ²/NDF:23.5/27
All: -0.003+/-0.003 χ²/NDF: 54.4/51



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: 13.459+/-0.004 χ^2/NDF:1549835.9/7

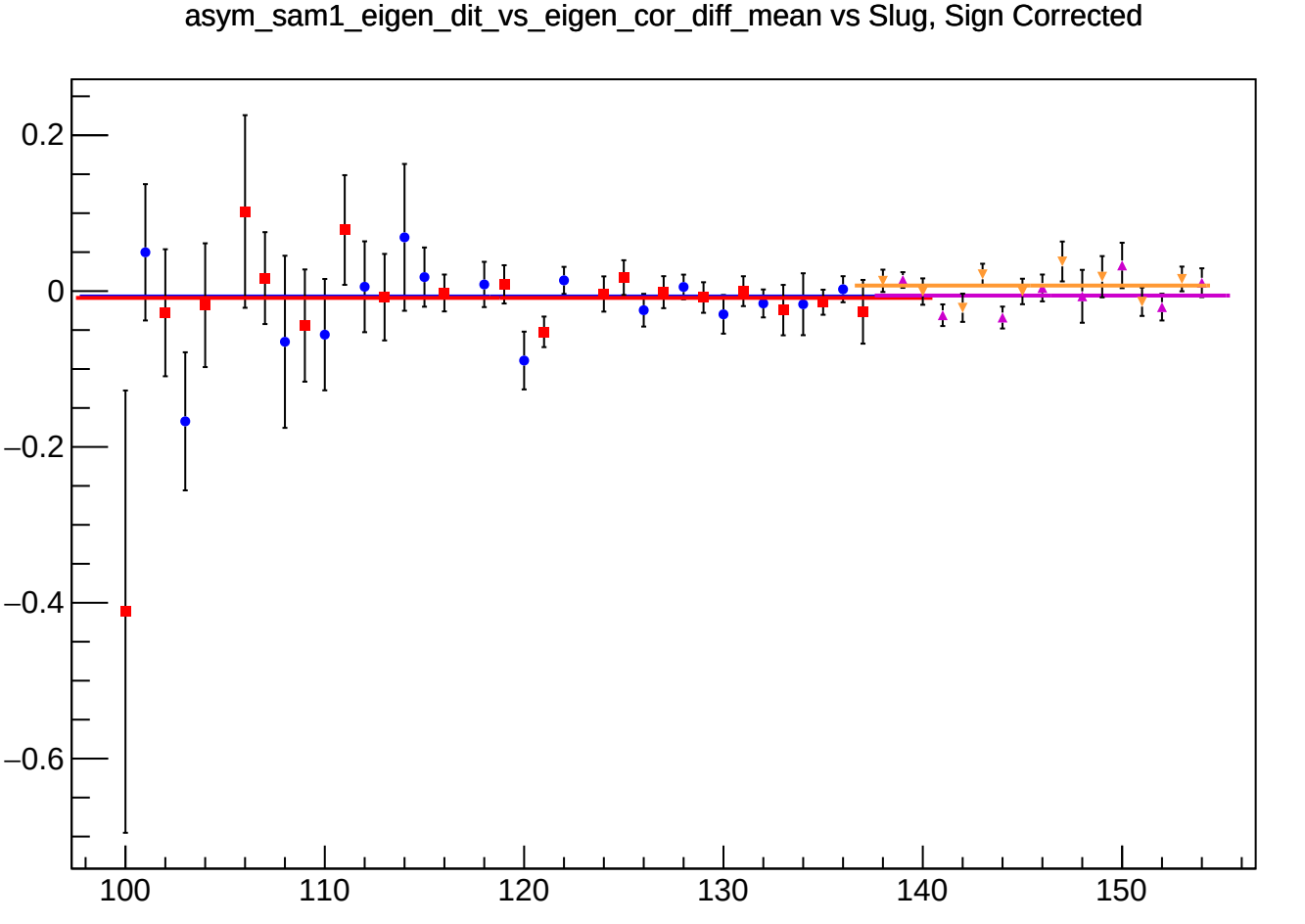
Left: 13.908+/-0.003 χ^2/NDF: 2239895.5/16

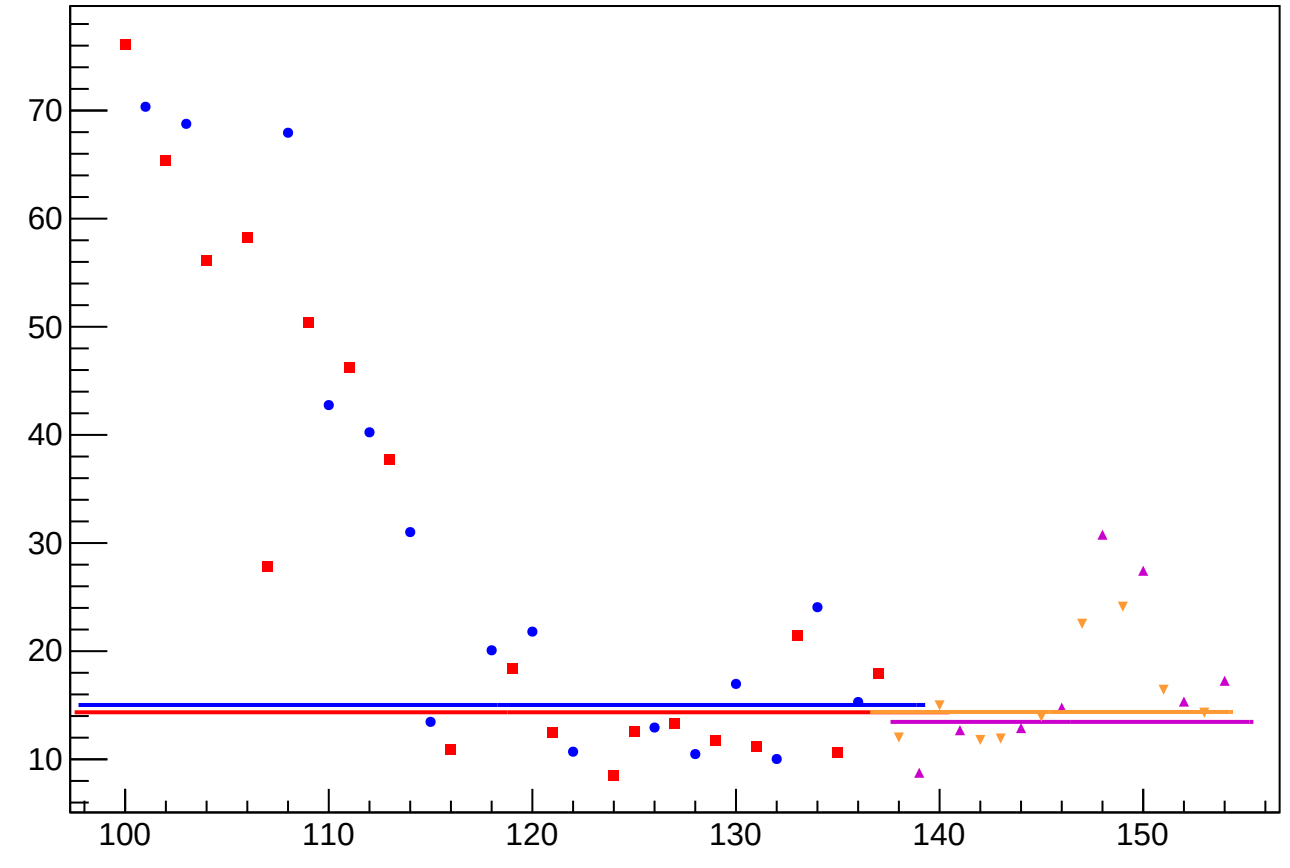
Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.099+/-0.003 χ^2/NDF:5052093.8/23

Out: 14.365+/-0.003 χ^2/NDF:4292743.1/27

All: 14.233+/-0.002 χ^2/NDF: 9348674.4/51


asym_sam1_eigen_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: -0.006+/-0.006 χ²/NDF:14.9/7
Left: 0.001+/-0.004 χ²/NDF: 24.9/16
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.006+/-0.004 χ²/NDF:29.9/23
Out: 0.000+/-0.004 χ²/NDF:23.5/27
All: -0.003+/-0.003 χ²/NDF: 54.4/51



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: 13.459+/-0.004 χ^2/NDF:1549835.9/7

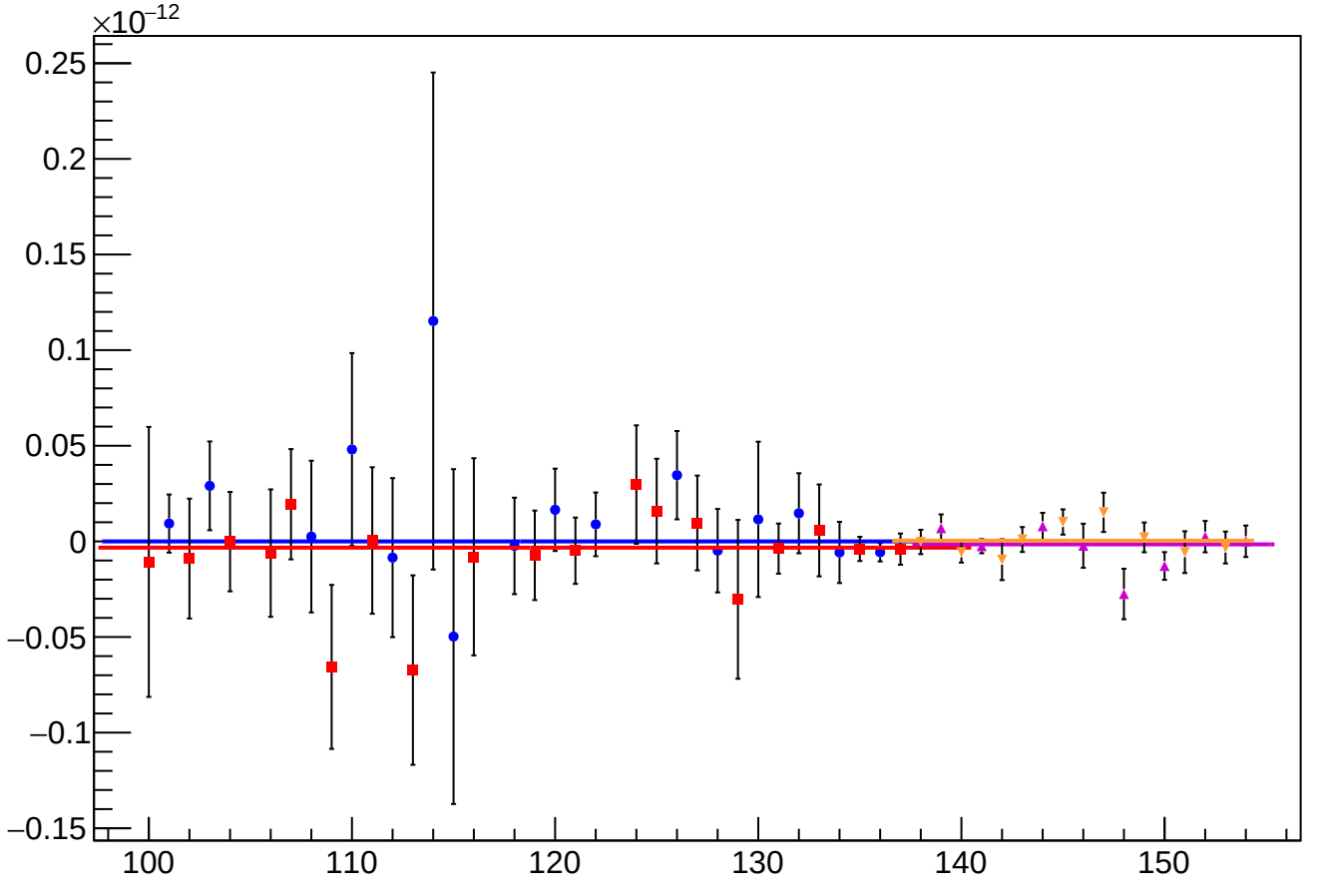
Left: 13.908+/-0.003 χ^2/NDF: 2239895.5/16

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.099+/-0.003 χ^2/NDF:5052093.8/23

Out: 14.365+/-0.003 χ^2/NDF:4292743.1/27

All: 14.233+/-0.002 χ^2/NDF: 9348674.4/51



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:9.8/7

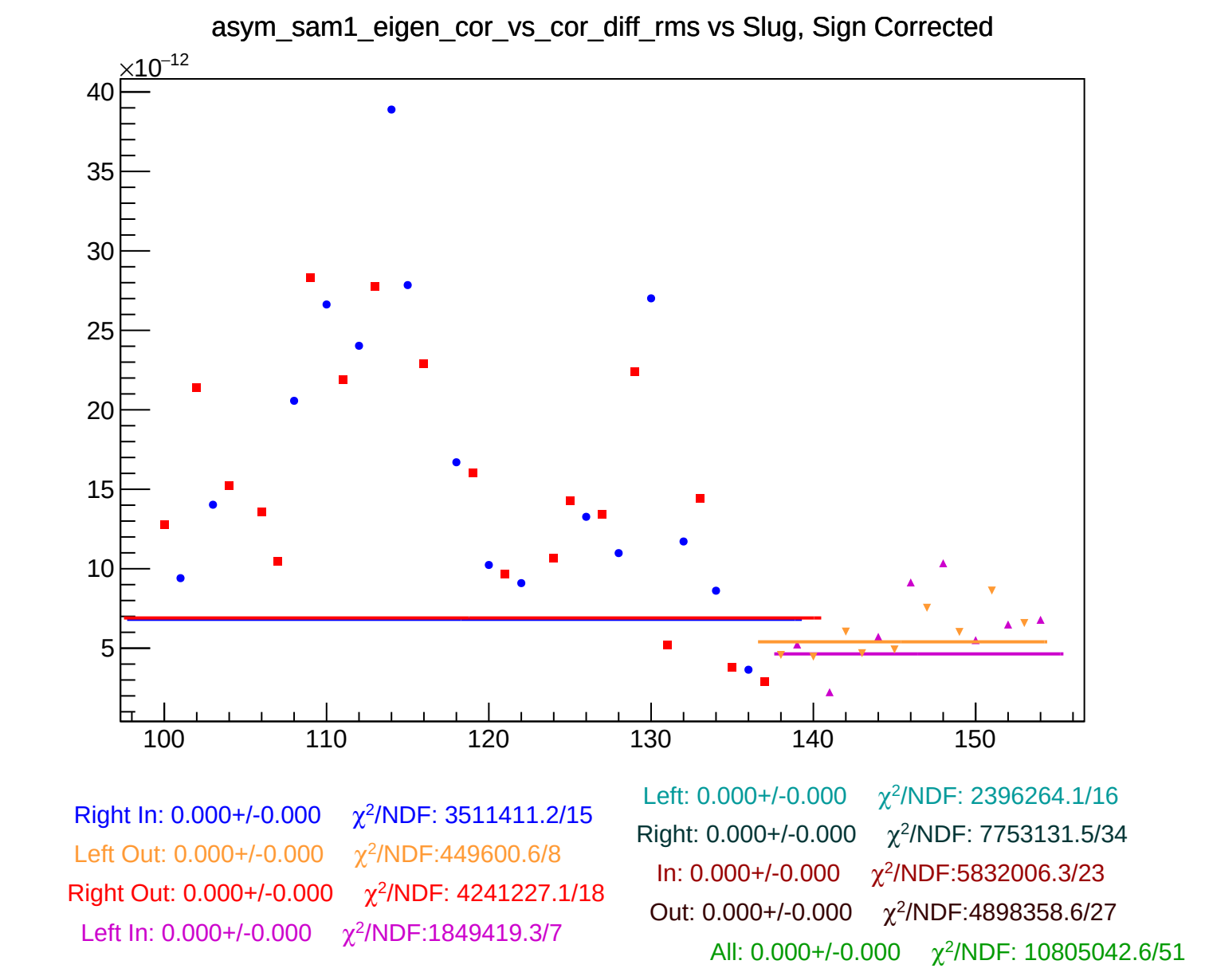
Left: -0.000+/-0.000 χ^2/NDF: 17.1/16

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

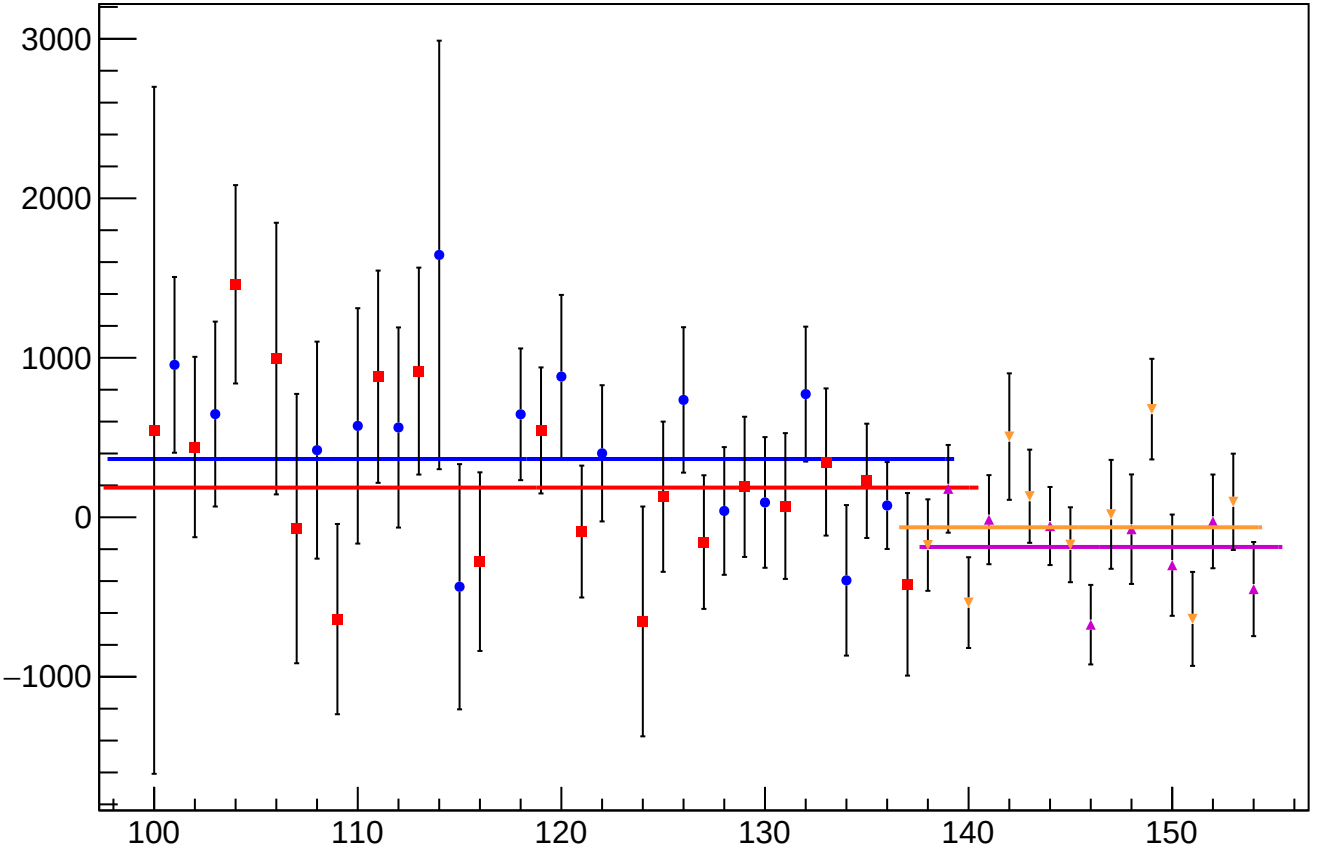
In: -0.000+/-0.000 χ^2/NDF:19.3/23

Out: -0.000+/-0.000 χ^2/NDF:14.5/27

All: -0.000+/-0.000 χ^2/NDF: 33.8/51


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
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:1849419.3/7
Left: 0.000+/-0.000 χ²/NDF: 2396264.1/16
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5832006.3/23
Out: 0.000+/-0.000 χ²/NDF:4898358.6/27
All: 0.000+/-0.000 χ²/NDF: 10805042.6/51

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: -186.040+/-99.871 χ^2/NDF:7.6/7

Left: -123.903+/-70.346 χ^2/NDF: 23.6/16

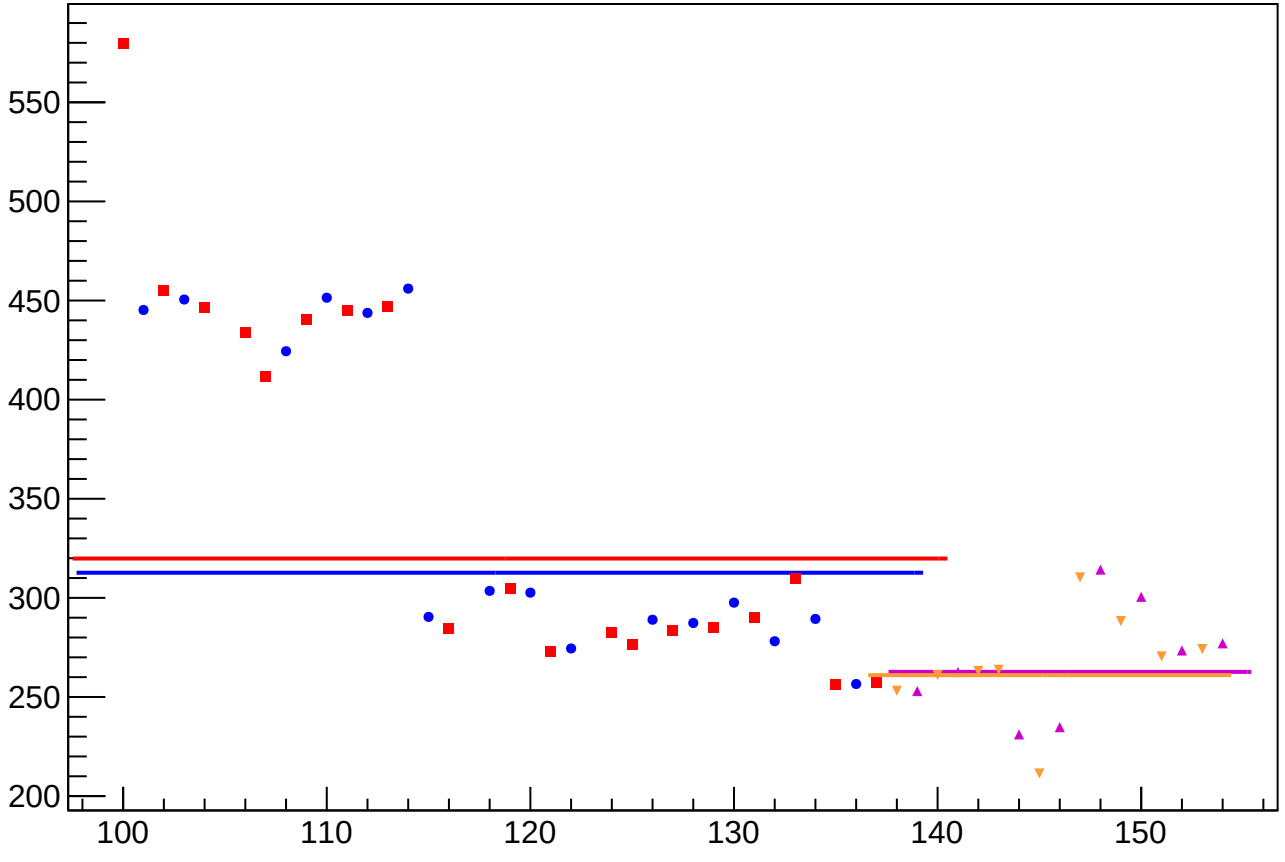
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 42.193+/-76.466 χ^2/NDF:31.7/23

Out: 38.003+/-76.461 χ^2/NDF:32.8/27

All: 40.098+/-54.068 χ^2/NDF: 64.5/51

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: 262.670+/-0.071 χ^2/NDF:141673.5/7

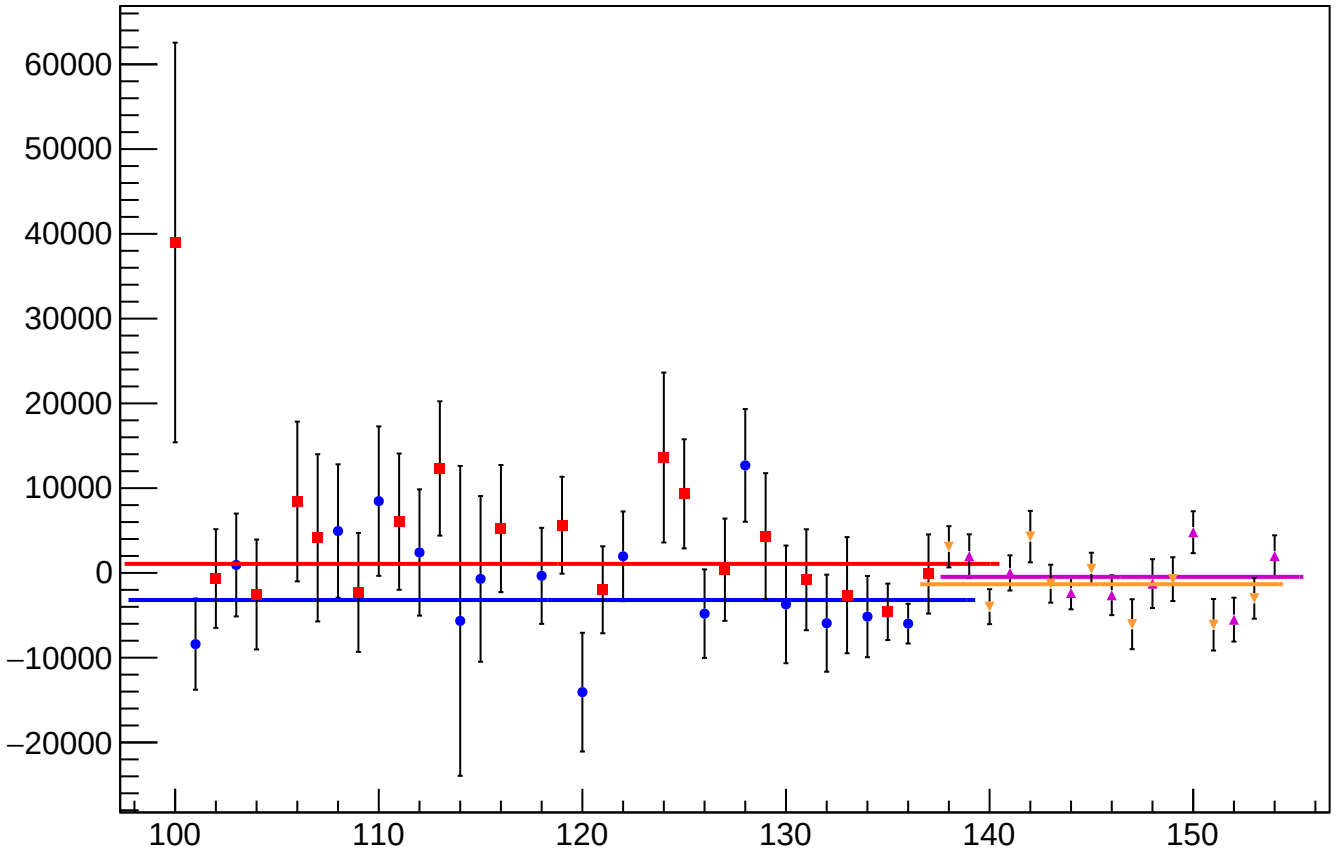
Left: 261.839+/-0.050 χ^2/NDF: 295330.9/16

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 283.364+/-0.054 χ^2/NDF:951413.5/23

Out: 284.827+/-0.054 χ^2/NDF:1136405.5/27

All: 284.096+/-0.038 χ^2/NDF: 2088185.0/51



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: -464.767+/-834.901 χ^2/NDF:12.2/7

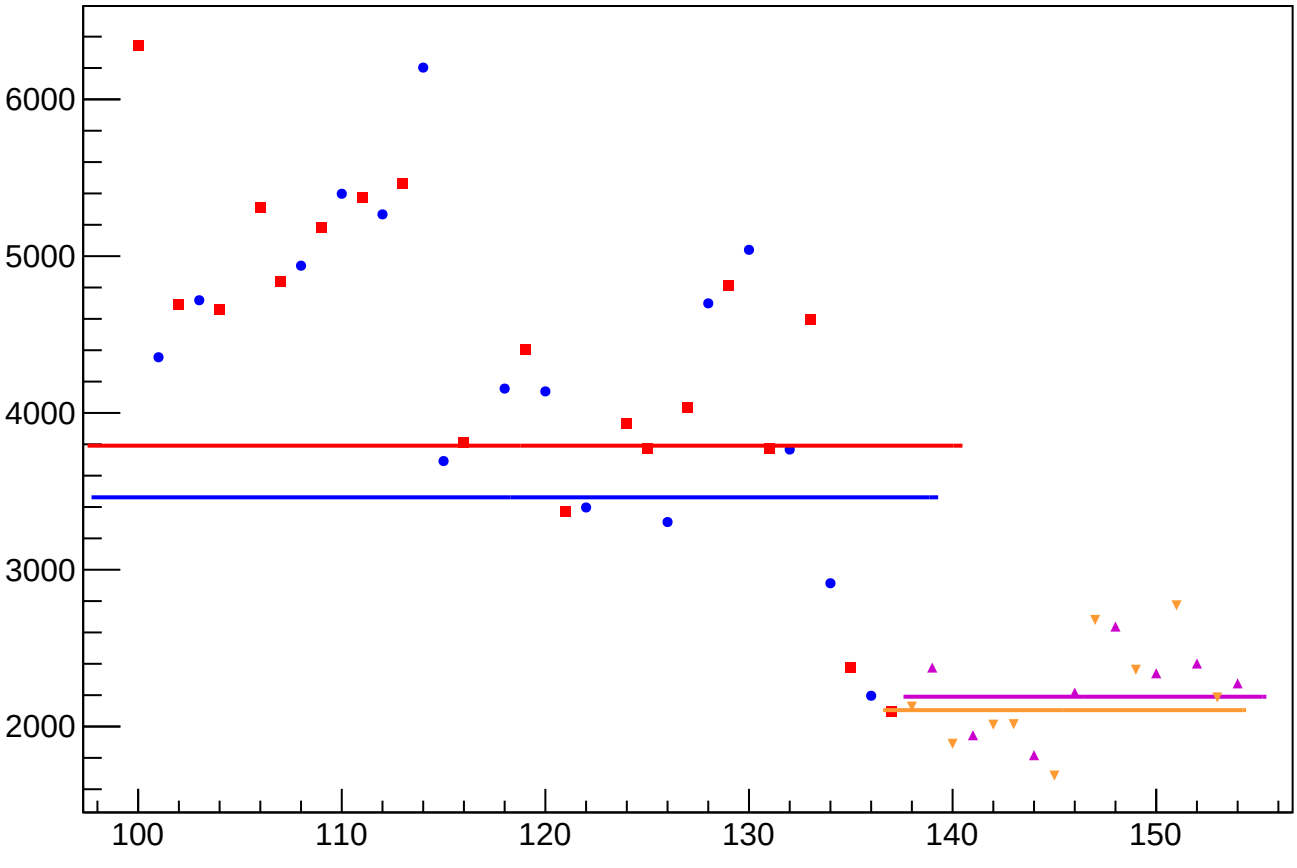
Left: -914.170+/-580.221 χ^2/NDF: 27.6/16

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1218.064+/-710.632 χ^2/NDF:31.3/23

Out: -762.468+/-704.326 χ^2/NDF:31.4/27

All: -988.236+/-500.248 χ^2/NDF: 62.8/51



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: 2190.067+/-0.590 χ^2/NDF:184665.6/7

Left: 2145.811+/-0.410 χ^2/NDF: 514383.8/16

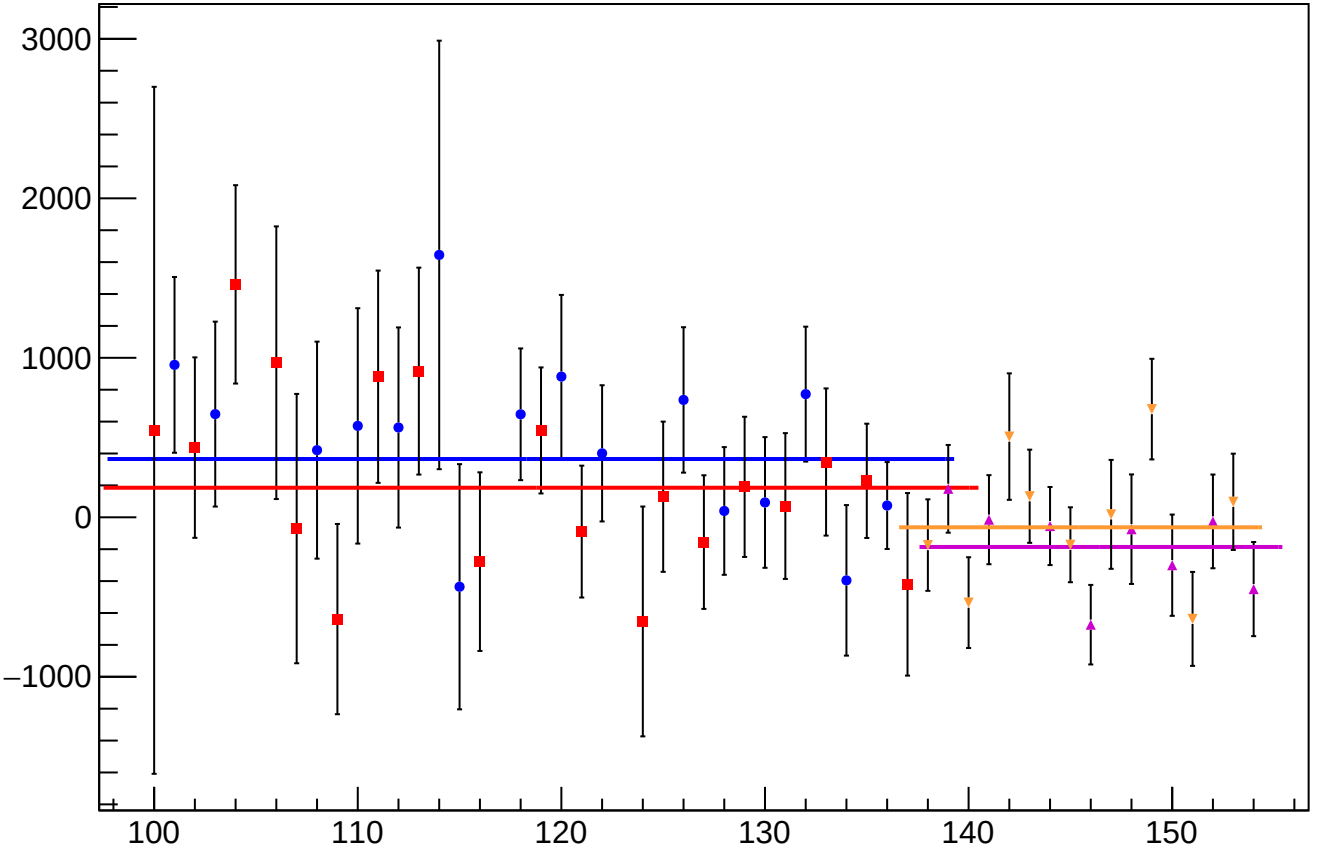
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2540.505+/-0.502 χ^2/NDF:2773069.8/23

Out: 2506.138+/-0.498 χ^2/NDF:3555617.5/27

All: 2523.168+/-0.354 χ^2/NDF: 6331046.8/51

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: -186.039+/-99.871 χ^2/NDF:7.6/7

Left: -123.901+/-70.346 χ^2/NDF: 23.6/16

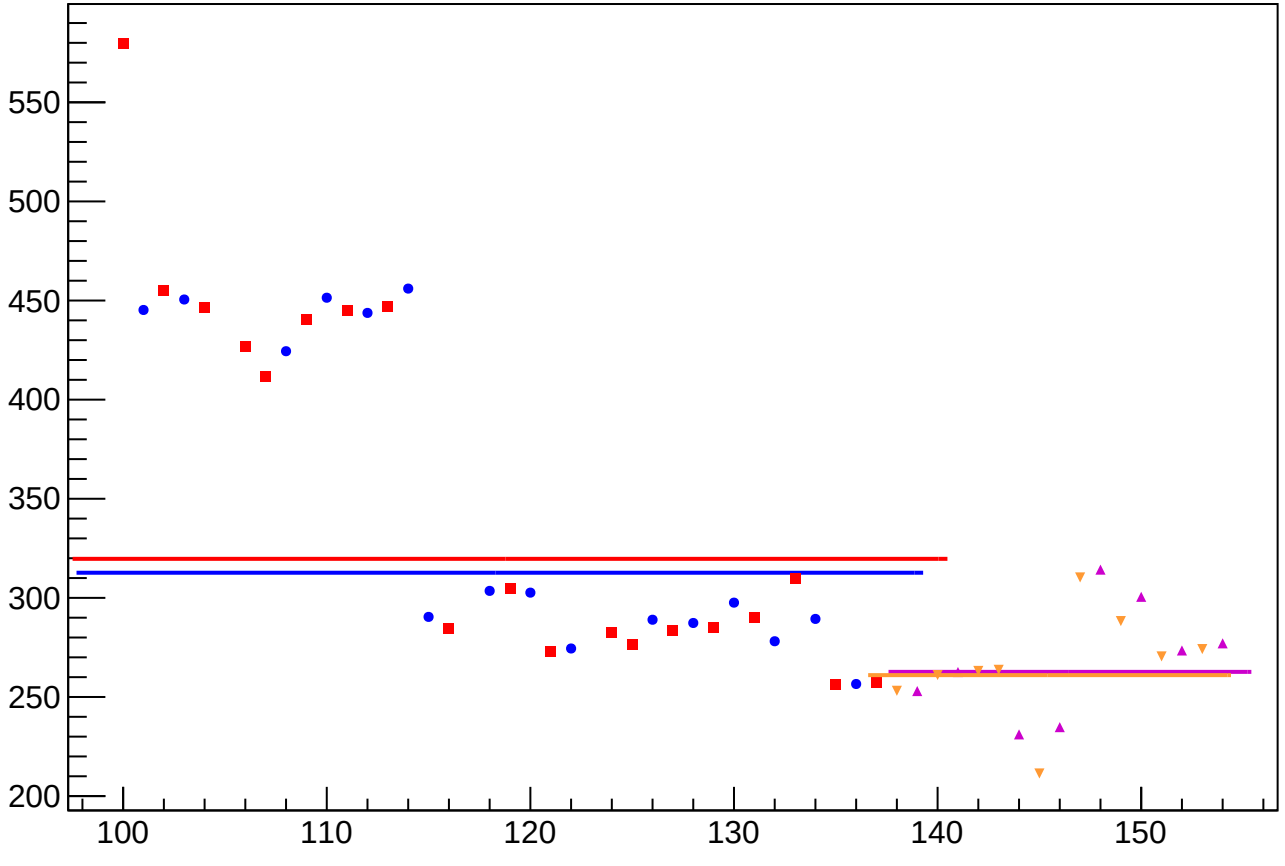
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 42.186+/-76.466 χ^2/NDF:31.7/23

Out: 37.666+/-76.464 χ^2/NDF:32.8/27

All: 39.926+/-54.069 χ^2/NDF: 64.4/51

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: 262.670+/-0.071 χ^2/NDF:141673.5/7

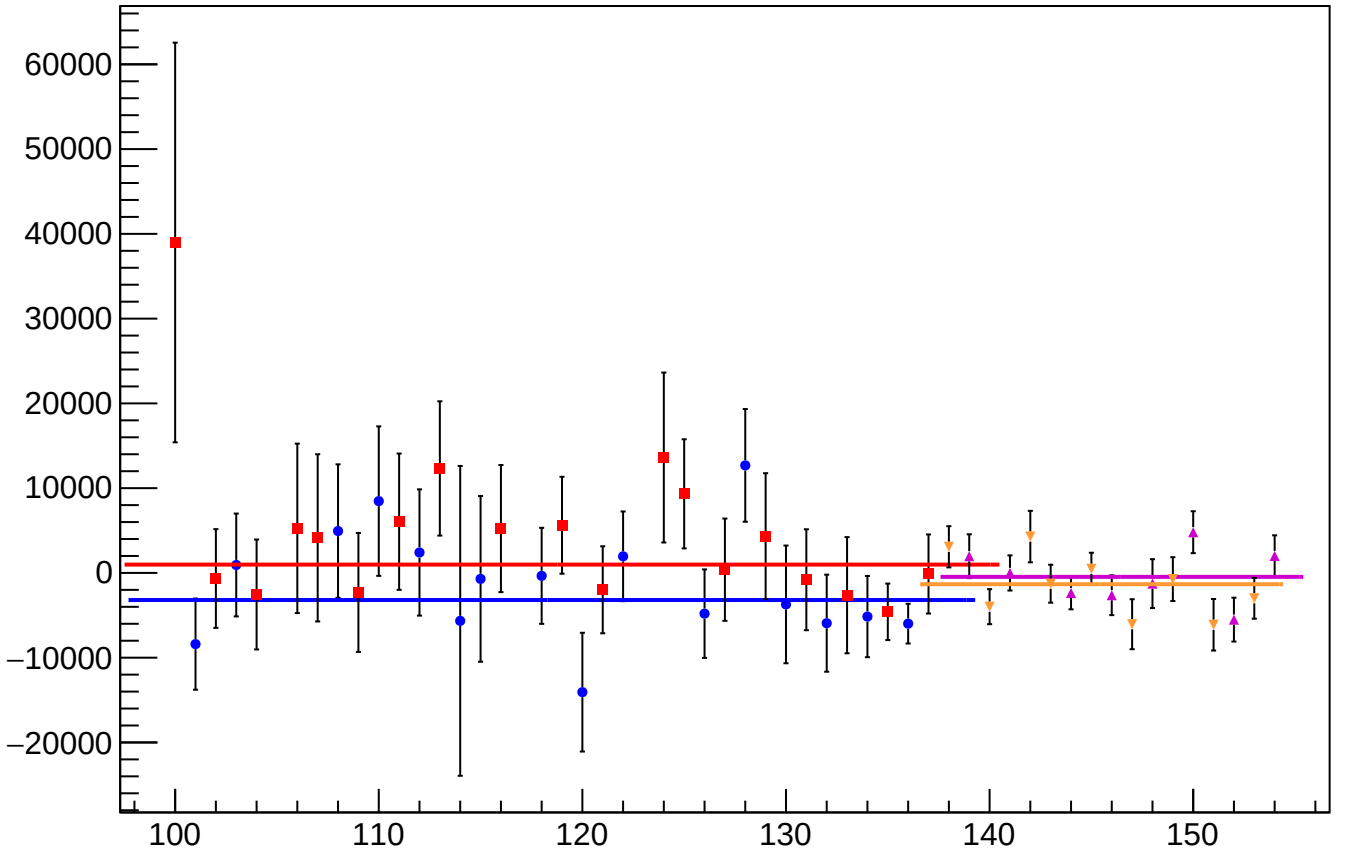
Left: 261.839+/-0.050 χ^2/NDF: 295330.9/16

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.364+/-0.054 χ^2/NDF:951415.0/23

Out: 284.765+/-0.054 χ^2/NDF:1130775.8/27

All: 284.064+/-0.038 χ^2/NDF: 2082526.2/51



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: -464.759+/-834.901 χ^2/NDF:12.2/7

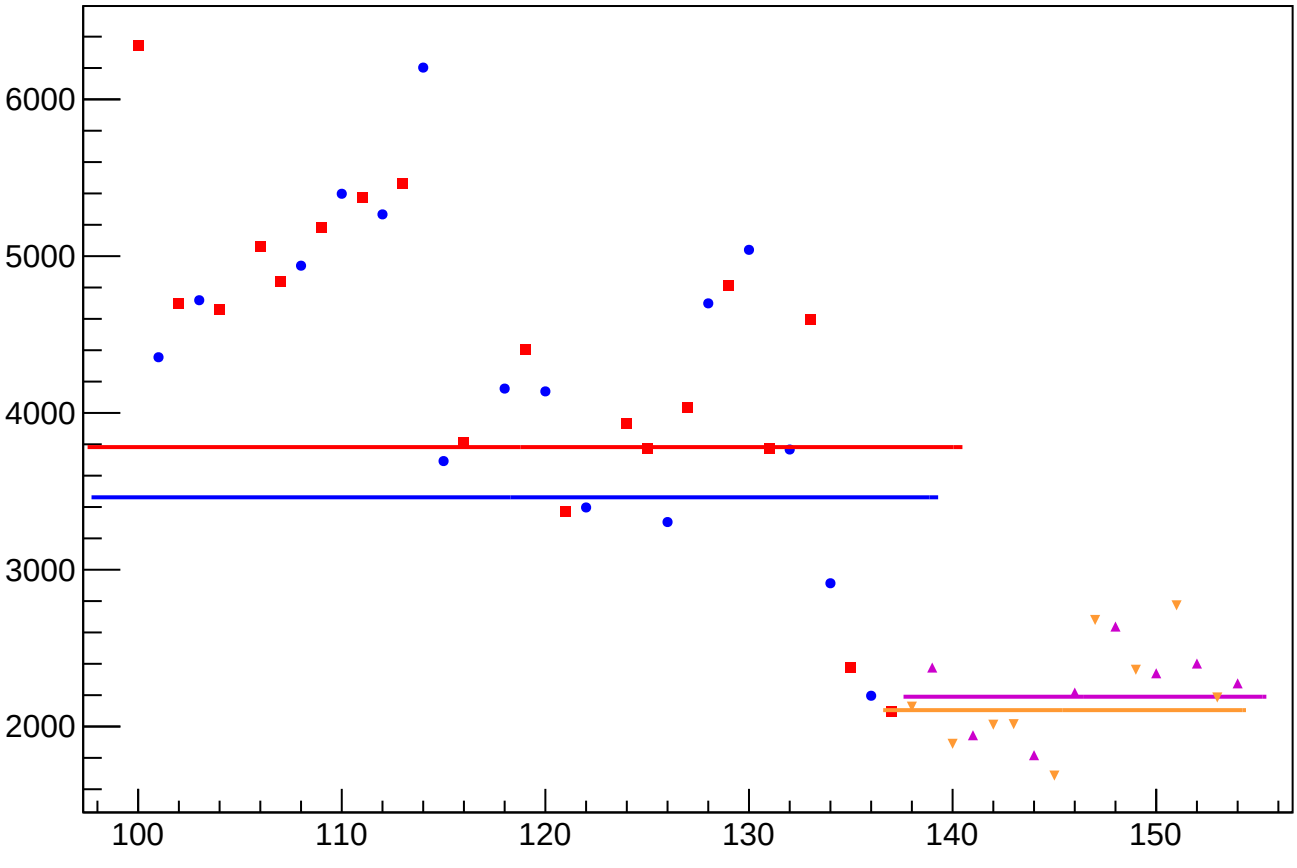
Left: -914.163+/-580.221 χ^2/NDF: 27.6/16

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1218.037+/-710.632 χ^2/NDF:31.3/23

Out: -783.831+/-704.551 χ^2/NDF:30.8/27

All: -999.068+/-500.329 χ^2/NDF: 62.2/51



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: 2190.067+/-0.590 χ^2/NDF:184666.2/7

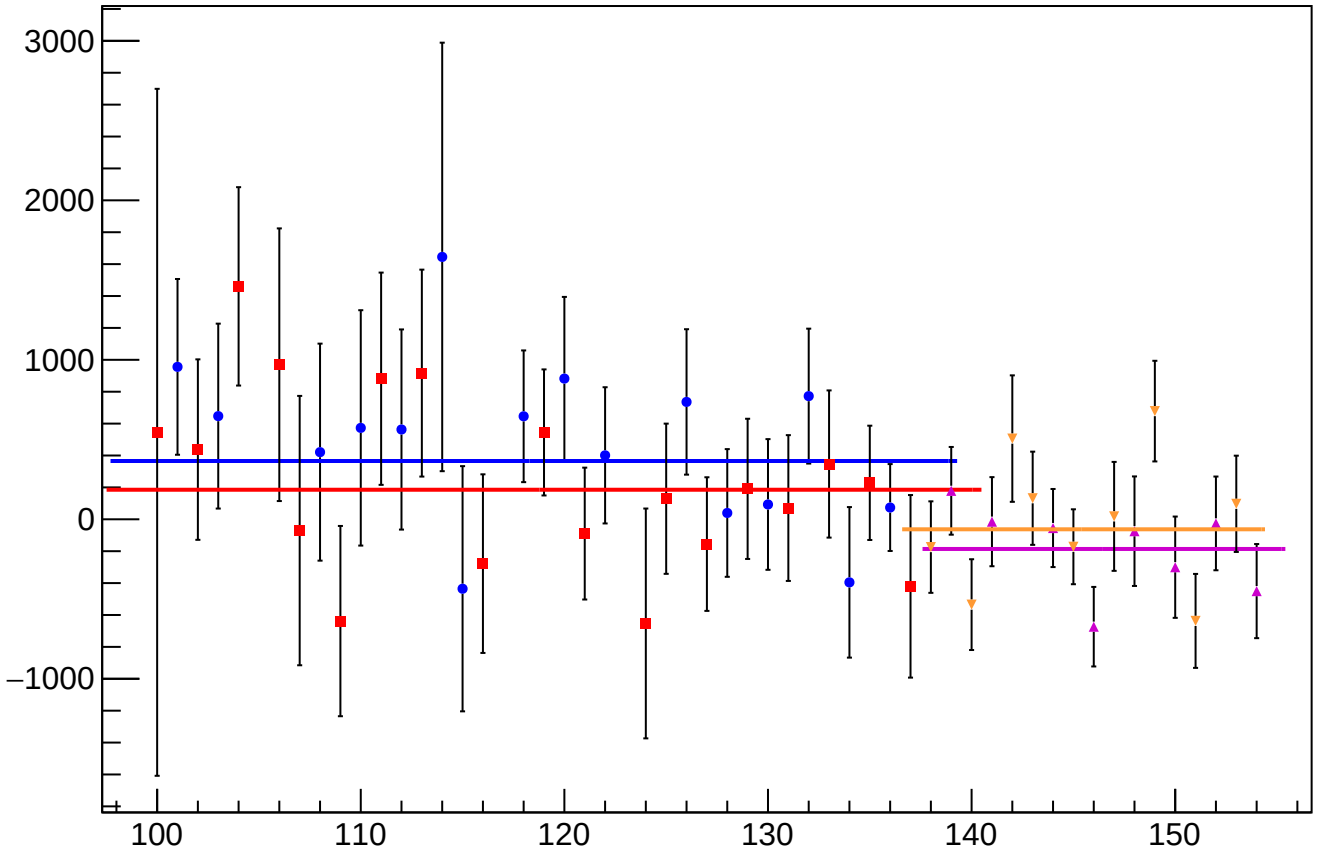
Left: 2145.811+/-0.410 χ^2/NDF: 514385.3/16

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2540.505+/-0.502 χ^2/NDF:2773090.3/23

Out: 2503.171+/-0.498 χ^2/NDF:3509774.6/27

All: 2521.677+/-0.354 χ^2/NDF: 6285648.7/51



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: -186.039+/-99.871 χ^2/NDF:7.6/7

Left: -123.901+/-70.346 χ^2/NDF: 23.6/16

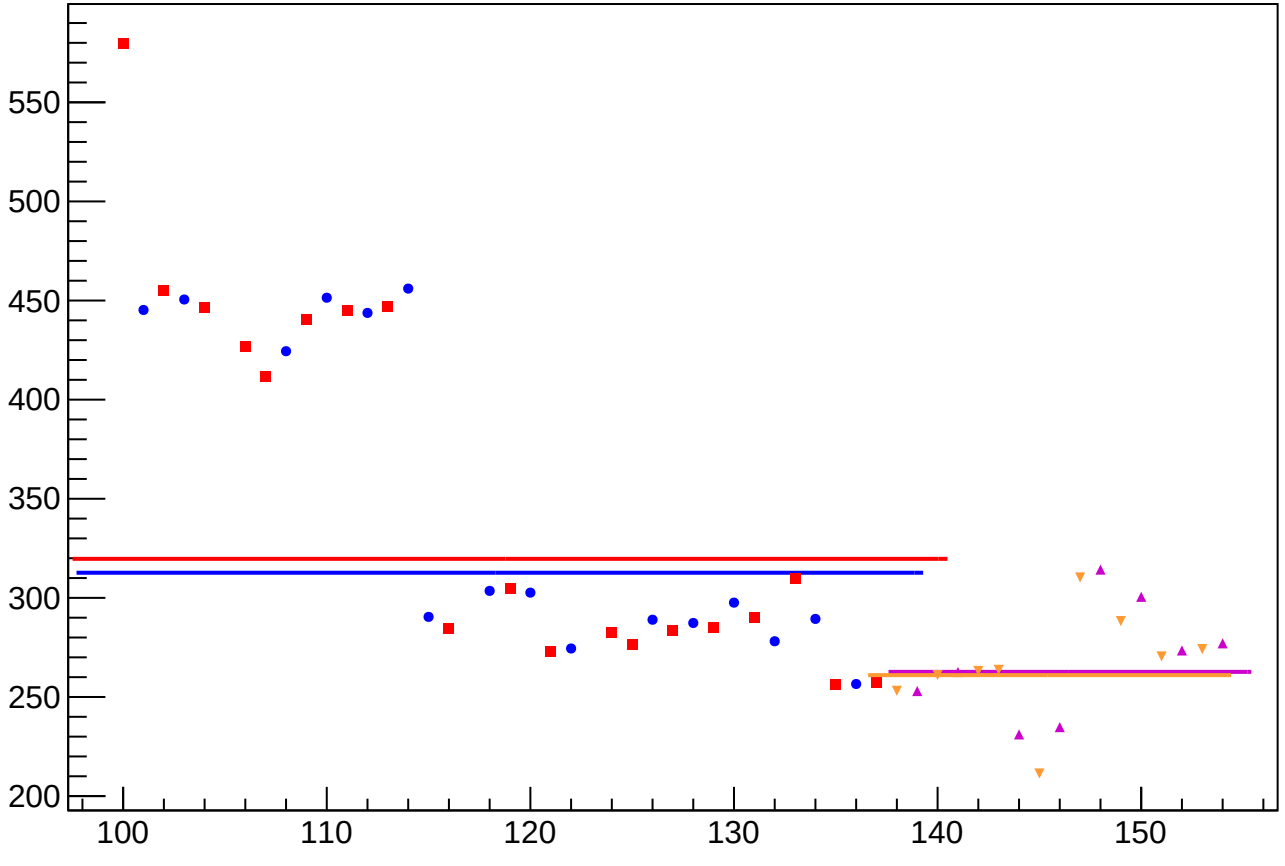
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 42.186+/-76.466 χ^2/NDF:31.7/23

Out: 37.666+/-76.464 χ^2/NDF:32.8/27

All: 39.926+/-54.069 χ^2/NDF: 64.4/51

eigen_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: 262.670+/-0.071 χ^2/NDF:141673.5/7

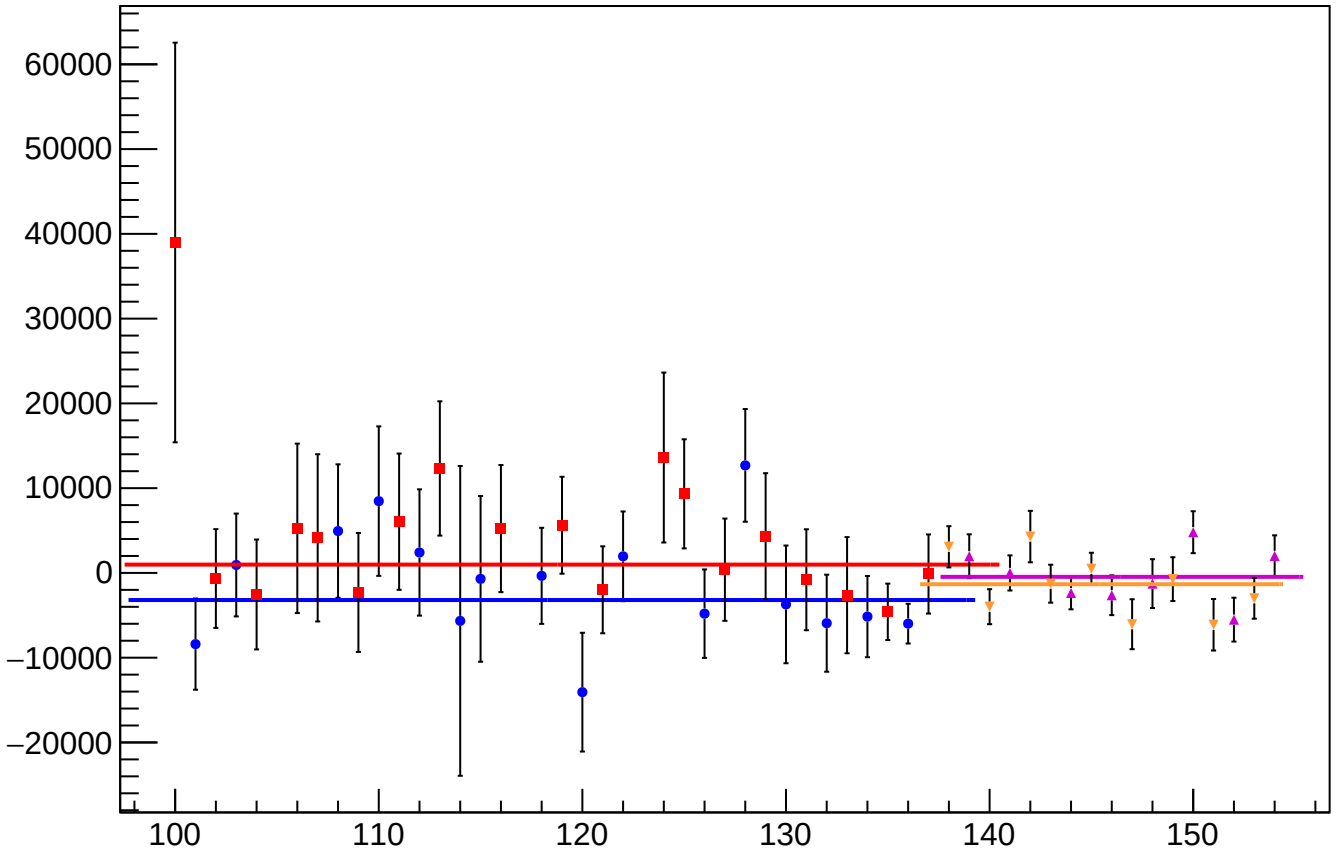
Left: 261.839+/-0.050 χ^2/NDF: 295330.9/16

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.364+/-0.054 χ^2/NDF:951415.0/23

Out: 284.765+/-0.054 χ^2/NDF:1130775.8/27

All: 284.064+/-0.038 χ^2/NDF: 2082526.2/51



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: -464.759+/-834.901 χ^2/NDF:12.2/7

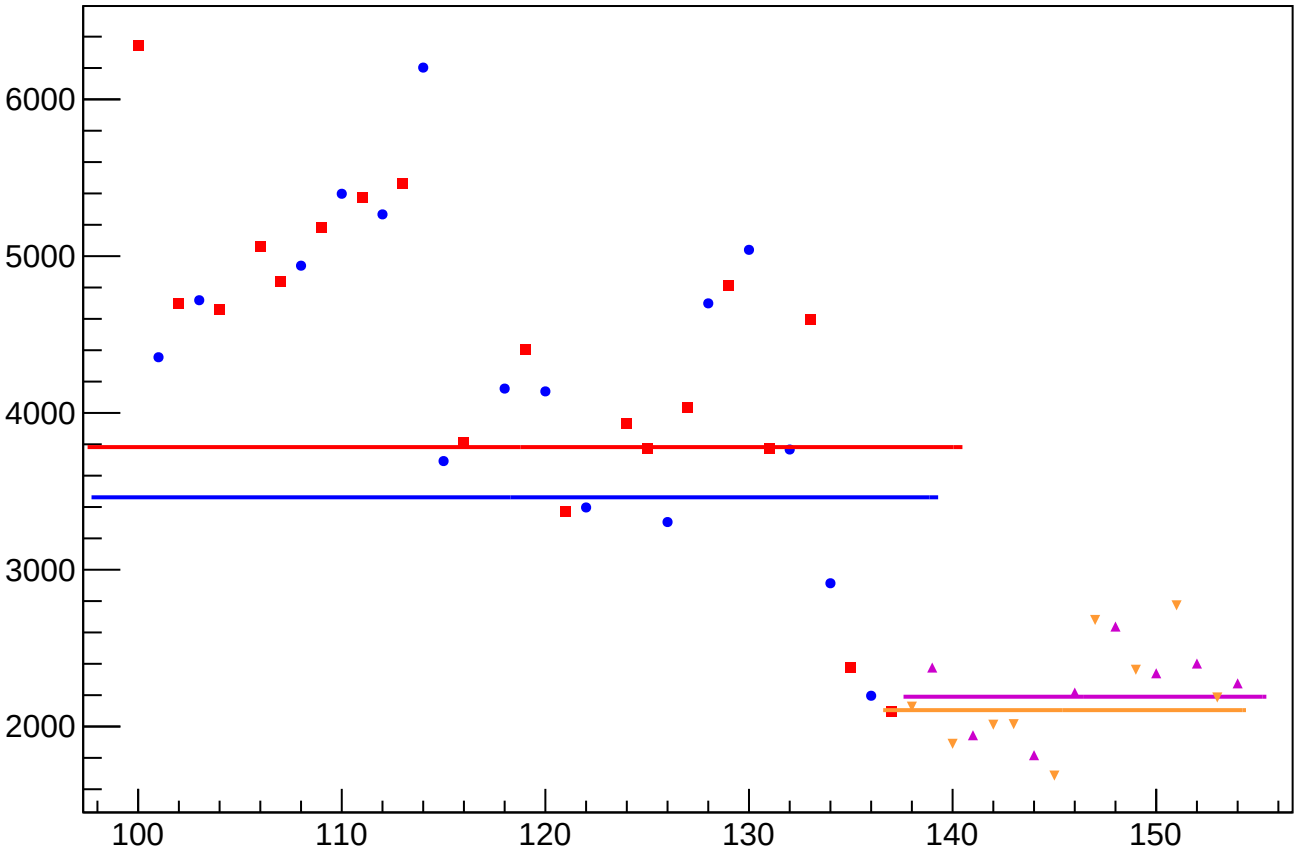
Left: -914.163+/-580.221 χ^2/NDF: 27.6/16

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1218.037+/-710.632 χ^2/NDF:31.3/23

Out: -783.831+/-704.551 χ^2/NDF:30.8/27

All: -999.068+/-500.329 χ^2/NDF: 62.2/51



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: 2190.067+/-0.590 χ^2/NDF:184666.2/7

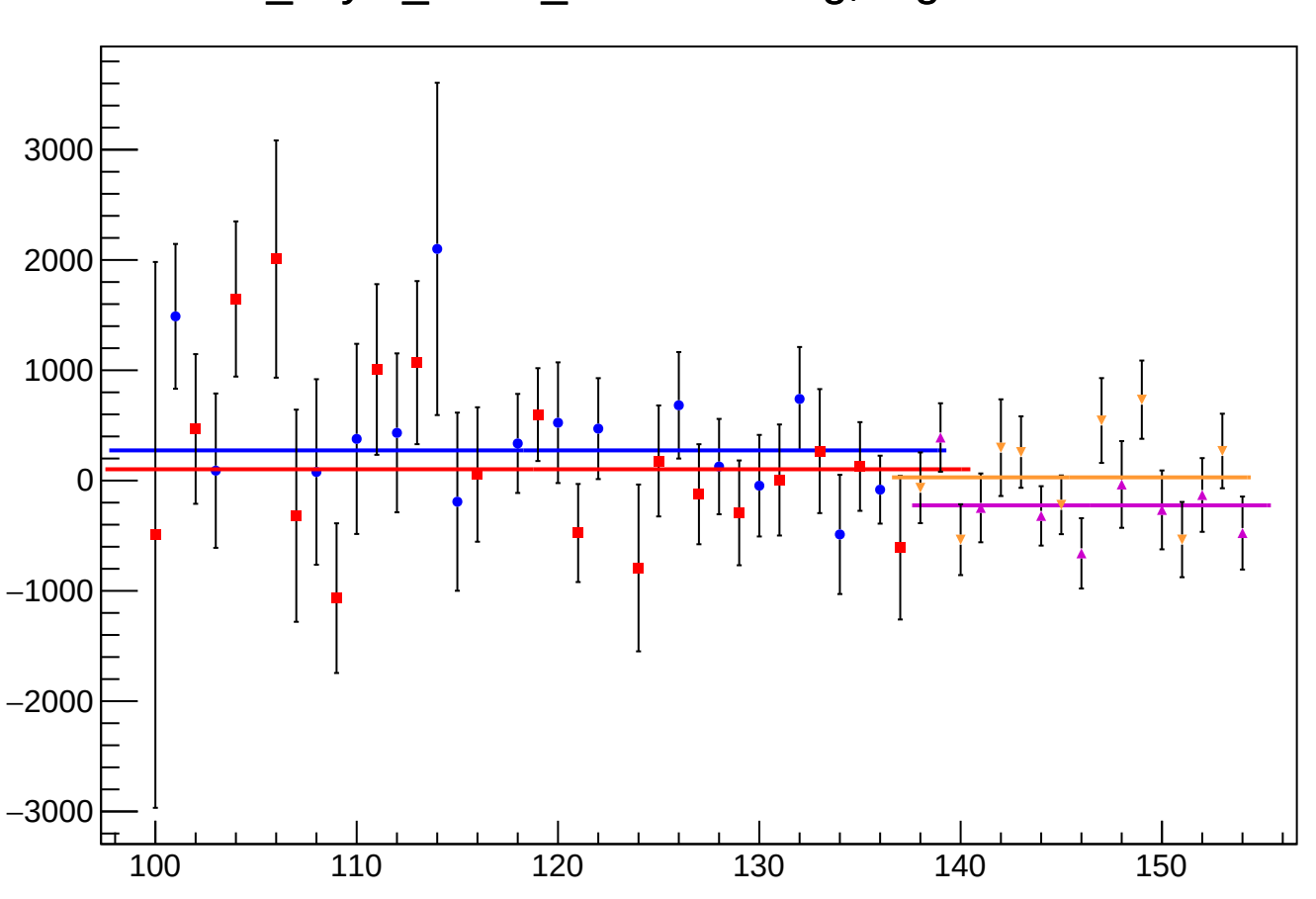
Left: 2145.811+/-0.410 χ^2/NDF: 514385.3/16

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2540.505+/-0.502 χ^2/NDF:2773090.3/23

Out: 2503.171+/-0.498 χ^2/NDF:3509774.6/27

All: 2521.677+/-0.354 χ^2/NDF: 6285648.7/51



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: -224.613+/-114.206 χ^2/NDF:6.8/7

Left: -94.785+/-79.809 χ^2/NDF: 23.3/16

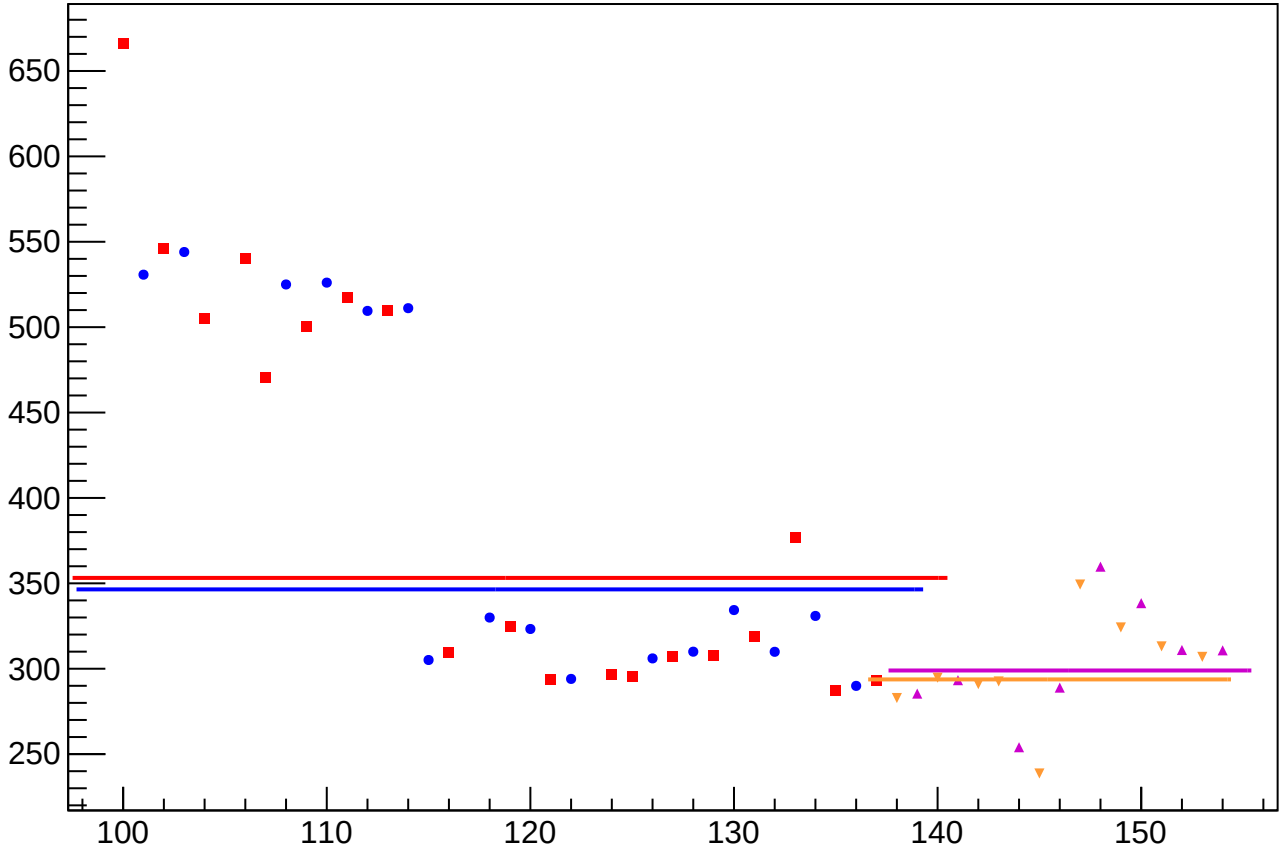
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -12.325+/-86.517 χ^2/NDF:26.4/23

Out: 59.218+/-85.639 χ^2/NDF:35.4/27

All: 23.811+/-60.864 χ^2/NDF: 62.1/51

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: 298.969+/-0.081 χ^2/NDF:139406.4/7

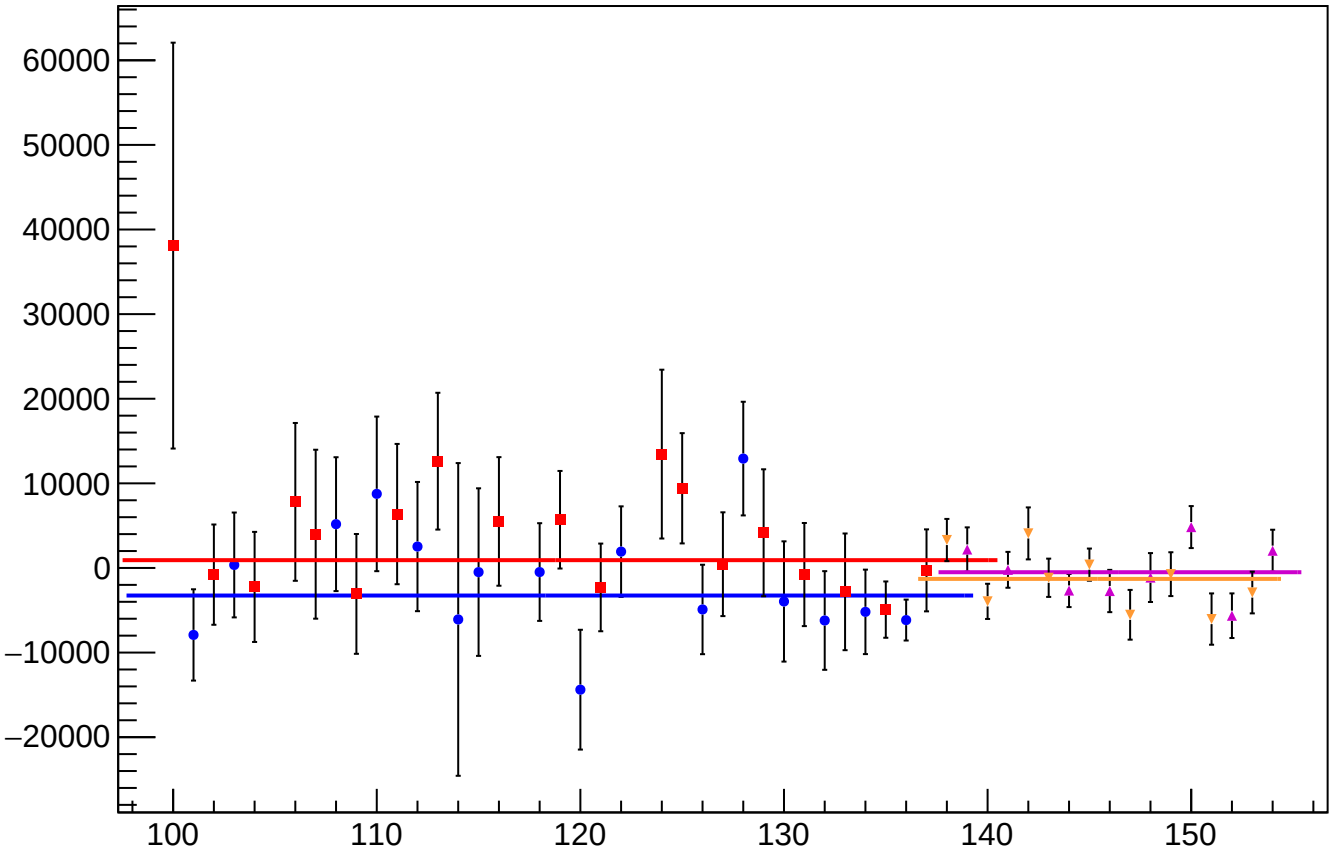
Left: 296.293+/-0.056 χ^2/NDF: 295588.0/16

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 319.204+/-0.061 χ^2/NDF:1055503.2/23

Out: 318.160+/-0.061 χ^2/NDF:1253605.0/27

All: 318.676+/-0.043 χ^2/NDF: 2309255.3/51



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: -503.261+/-851.523 χ^2/NDF:12.6/7

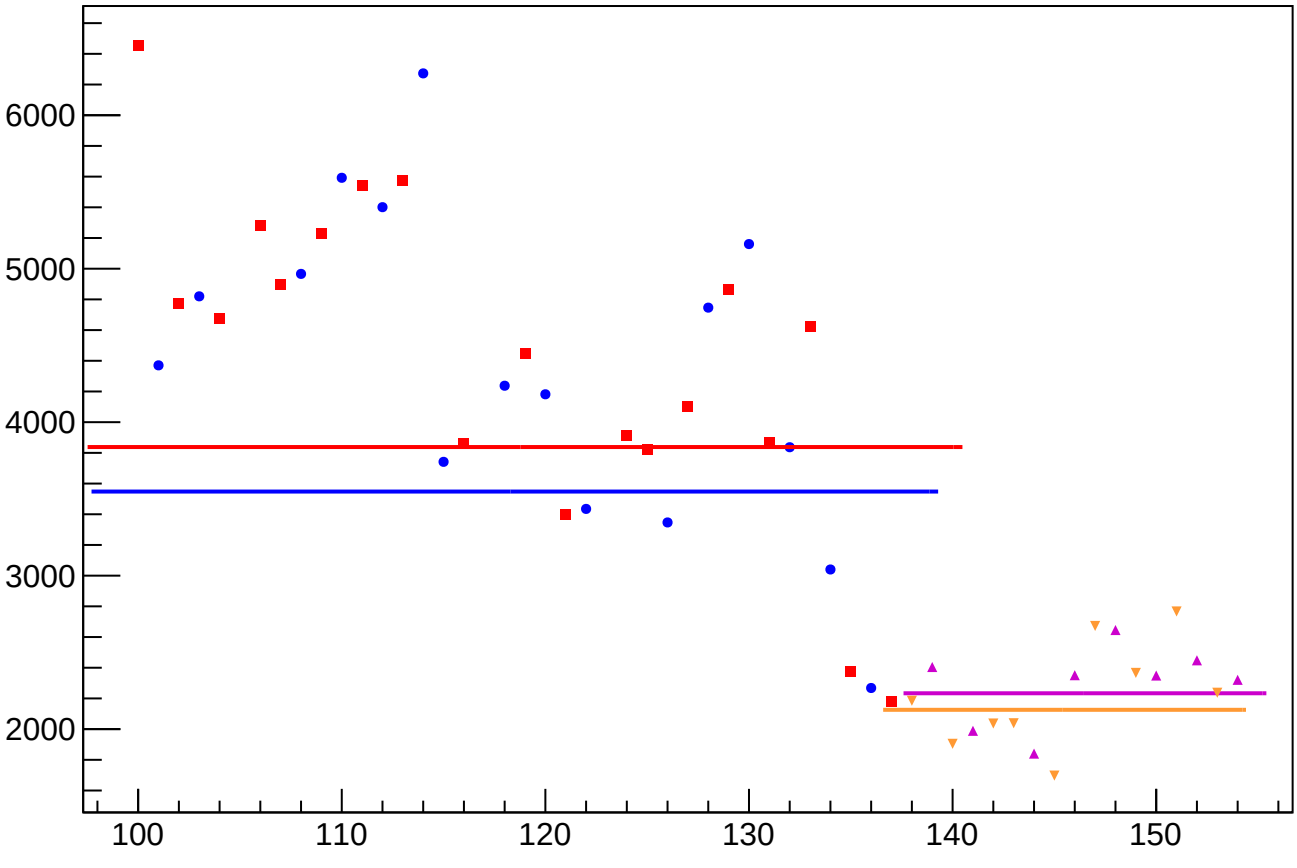
Left: -915.853+/-588.448 χ^2/NDF: 27.0/16

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1259.829+/-725.266 χ^2/NDF:31.5/23

Out: -768.218+/-711.129 χ^2/NDF:30.3/27

All: -1009.185+/-507.768 χ^2/NDF: 62.0/51



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: 2233.615+/-0.602 χ^2/NDF:181187.8/7

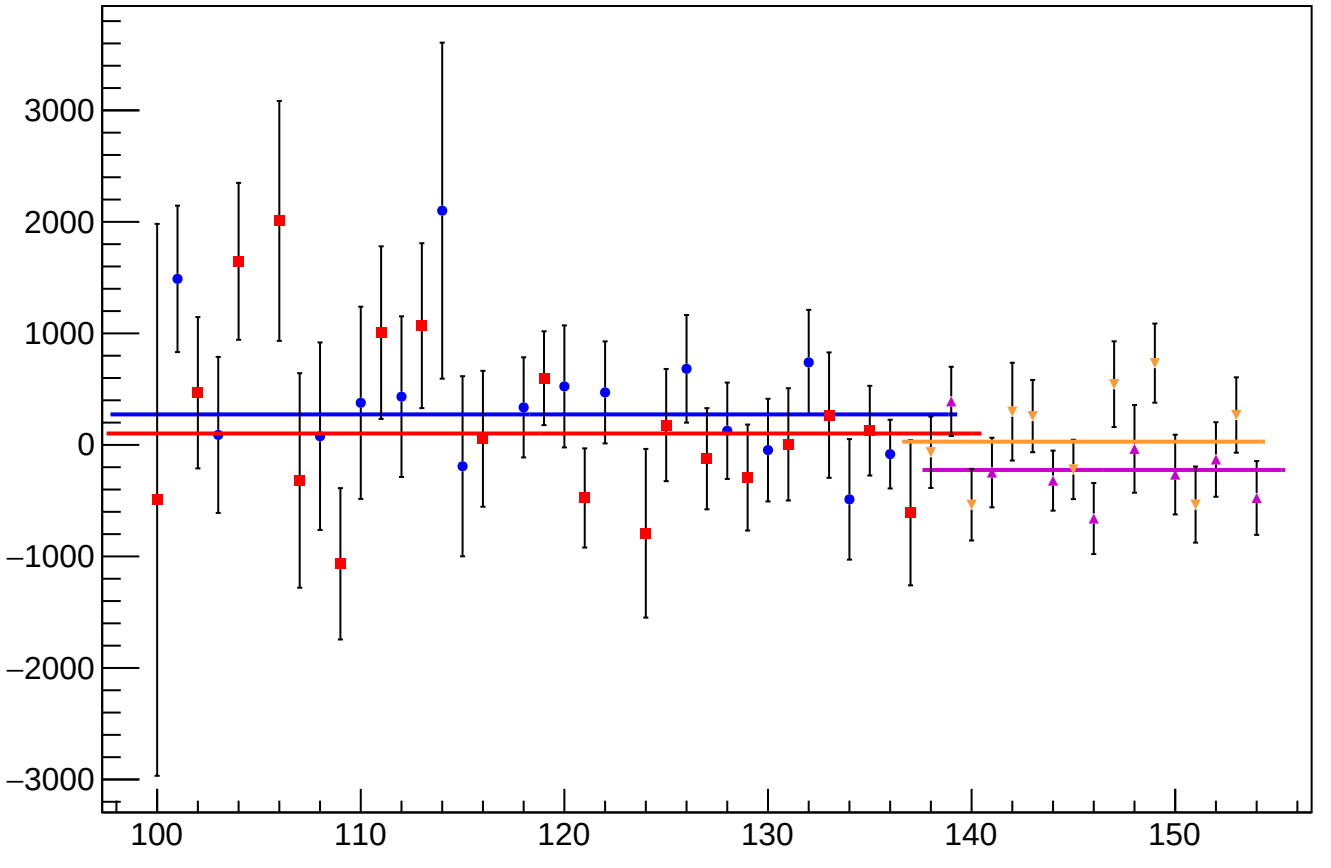
Left: 2177.304+/-0.416 χ^2/NDF: 508005.4/16

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2594.482+/-0.513 χ^2/NDF:2747945.4/23

Out: 2531.618+/-0.503 χ^2/NDF:3562387.0/27

All: 2562.432+/-0.359 χ^2/NDF: 6317993.2/51



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: -224.615+/-114.206 χ^2/NDF:6.8/7

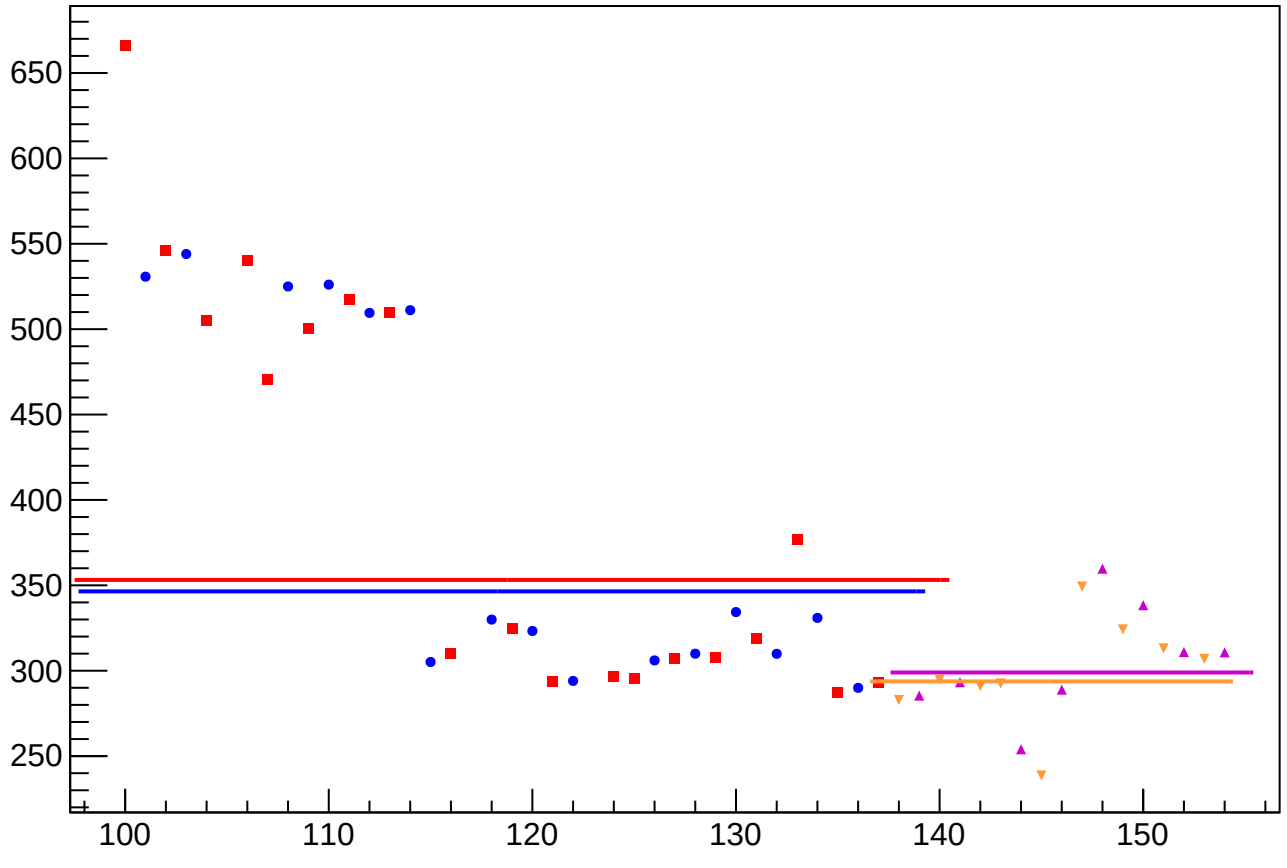
Left: -94.788+/-79.809 χ^2/NDF: 23.3/16

Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -12.323+/-86.517 χ^2/NDF:26.4/23

Out: 59.215+/-85.639 χ^2/NDF:35.4/27

All: 23.811+/-60.864 χ^2/NDF: 62.1/51



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: 298.969+/-0.081 χ^2/NDF:139408.1/7

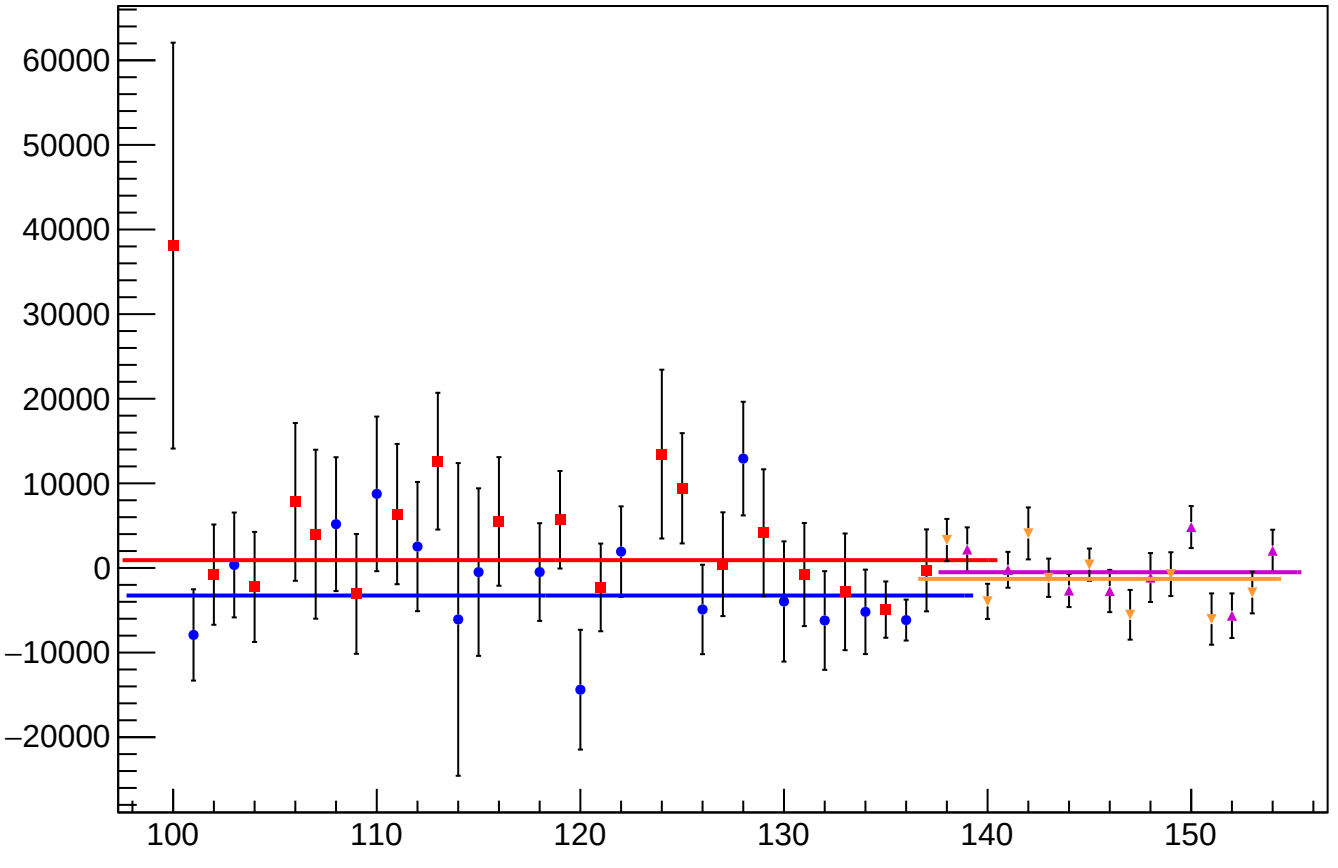
Left: 296.293+/-0.056 χ^2/NDF: 295592.7/16

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 319.203+/-0.061 χ^2/NDF:1055484.3/23

Out: 318.159+/-0.061 χ^2/NDF:1253587.5/27

All: 318.676+/-0.043 χ^2/NDF: 2309218.8/51



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: -503.260+/-851.523 χ^2/NDF:12.6/7

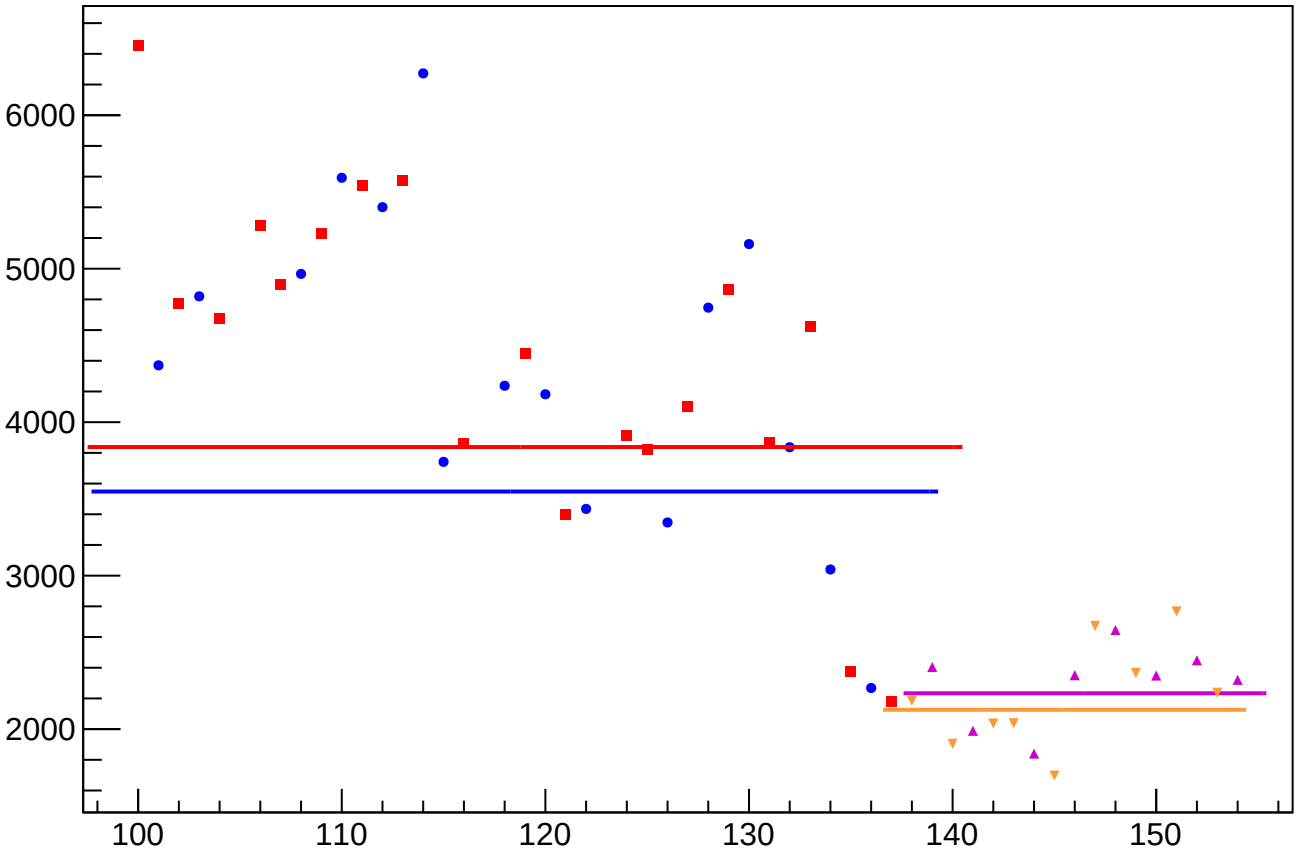
Left: -915.852+/-588.447 χ^2/NDF: 27.0/16

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -1259.826+/-725.266 χ^2/NDF:31.5/23

Out: -768.216+/-711.128 χ^2/NDF:30.3/27

All: -1009.183+/-507.768 χ^2/NDF: 62.0/51



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: 2233.614+/-0.602 χ^2/NDF:181187.8/7

Left: 2177.303+/-0.416 χ^2/NDF: 508010.0/16

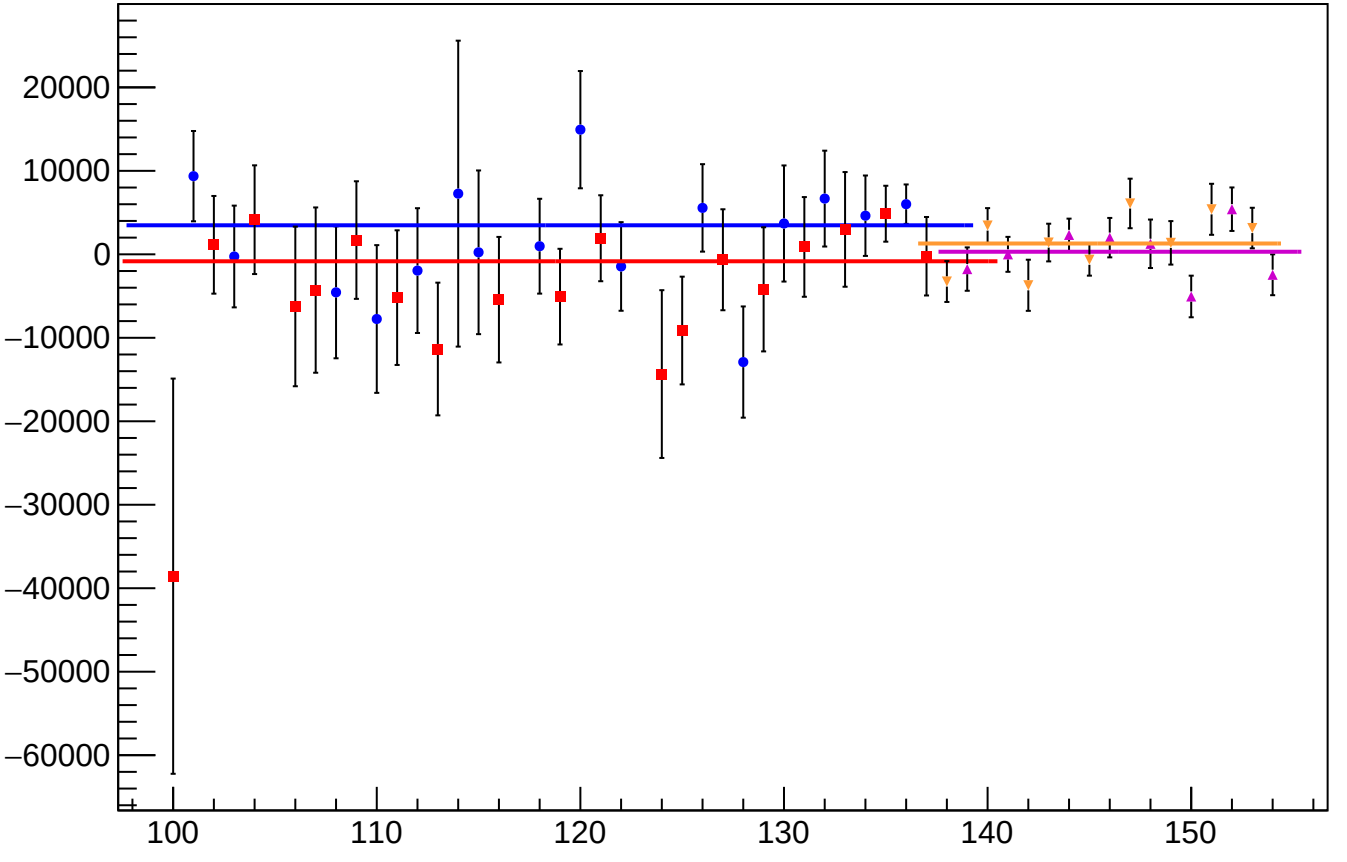
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2594.482+/-0.513 χ^2/NDF:2747929.0/23

Out: 2531.616+/-0.503 χ^2/NDF:3562380.3/27

All: 2562.430+/-0.359 χ^2/NDF: 6317970.5/51

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: 308.403+/-841.137 χ^2/NDF:12.1/7

Left: 818.991+/-584.689 χ^2/NDF: 26.0/16

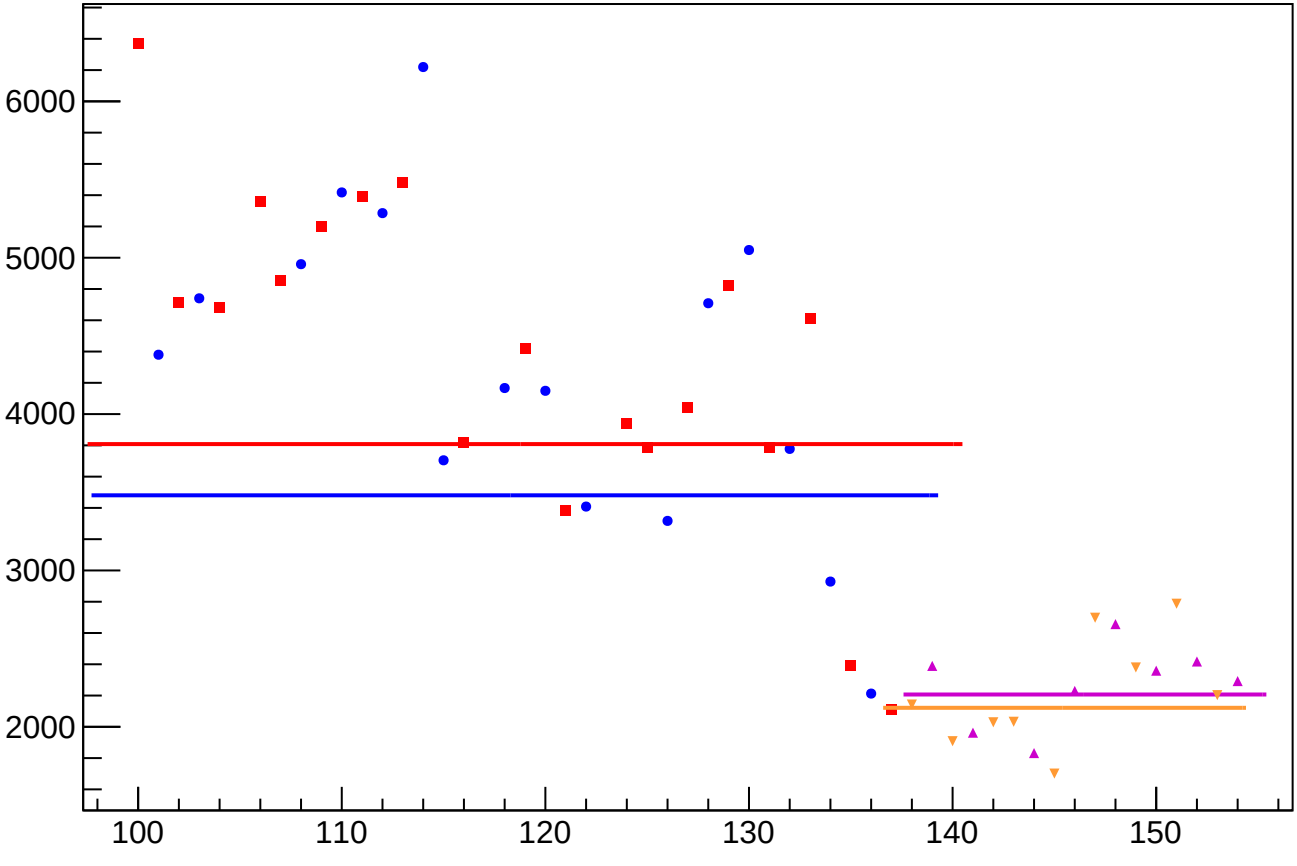
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1185.150+/-715.422 χ^2/NDF:32.3/23

Out: 786.669+/-709.308 χ^2/NDF:28.9/27

All: 984.200+/-503.704 χ^2/NDF: 61.4/51

asym_sam2_rms vs Slug, Sign Corrected



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: 2206.704+/-0.595 χ^2/NDF:182558.6/7

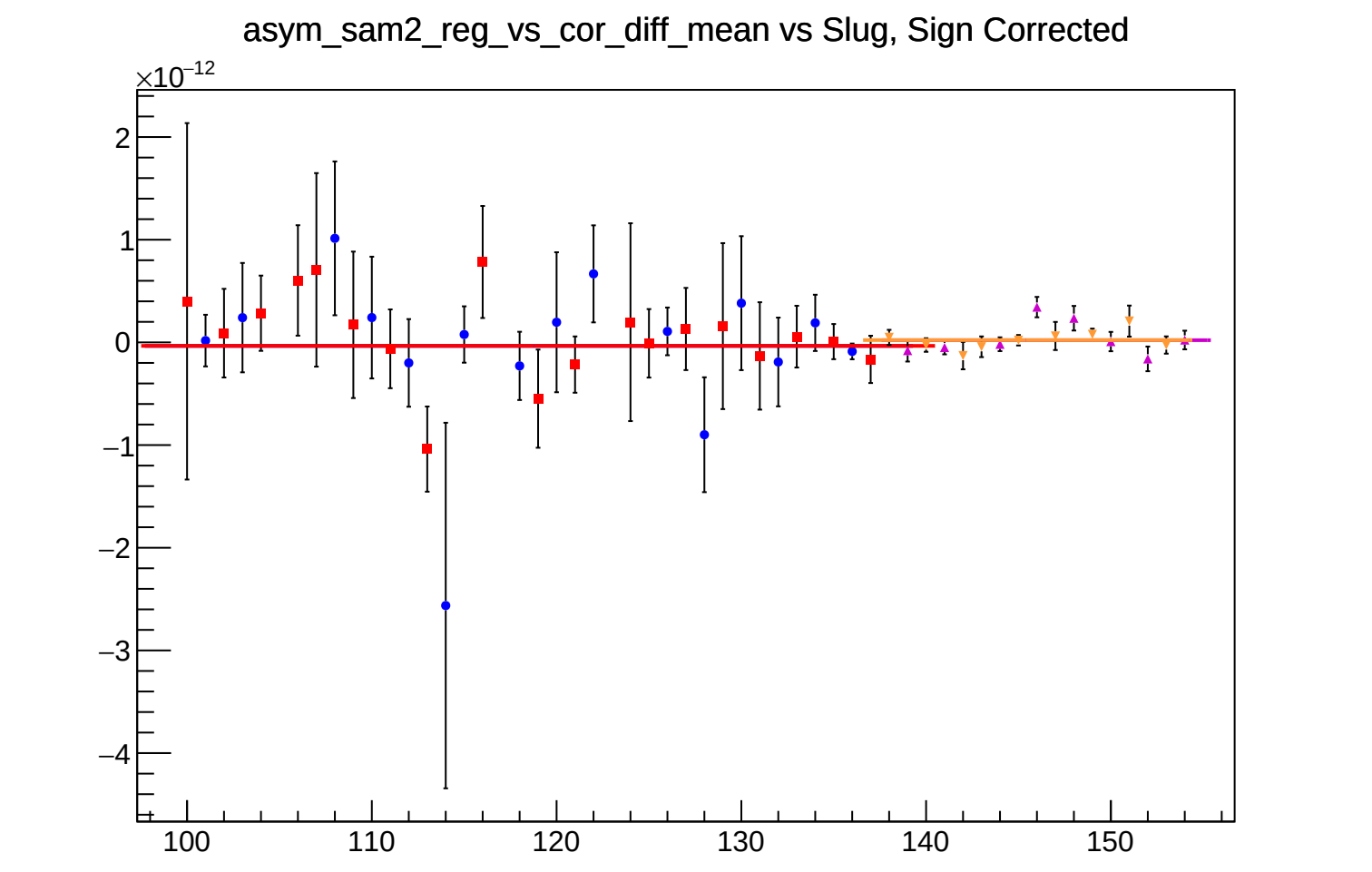
Left: 2162.731+/-0.413 χ^2/NDF: 508426.8/16

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2559.025+/-0.506 χ^2/NDF:2747893.0/23

Out: 2525.392+/-0.502 χ^2/NDF:3521799.3/27

All: 2542.064+/-0.356 χ^2/NDF: 6271921.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/7

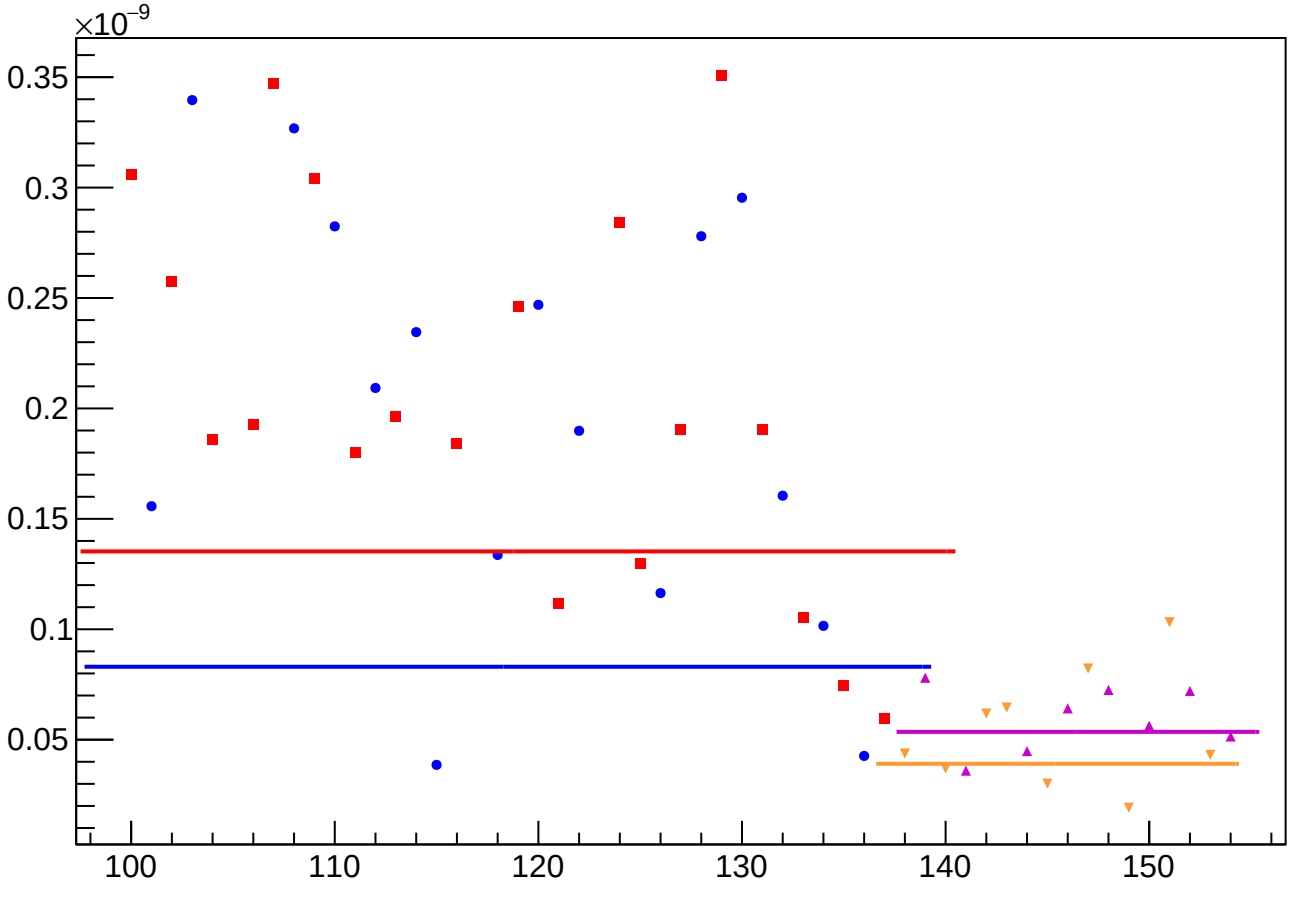
Left: 0.000+/-0.000 χ^2/NDF: 23.7/16

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:31.0/23

Out: 0.000+/-0.000 χ^2/NDF:19.2/27

All: 0.000+/-0.000 χ^2/NDF: 50.3/51



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:401227.1/7

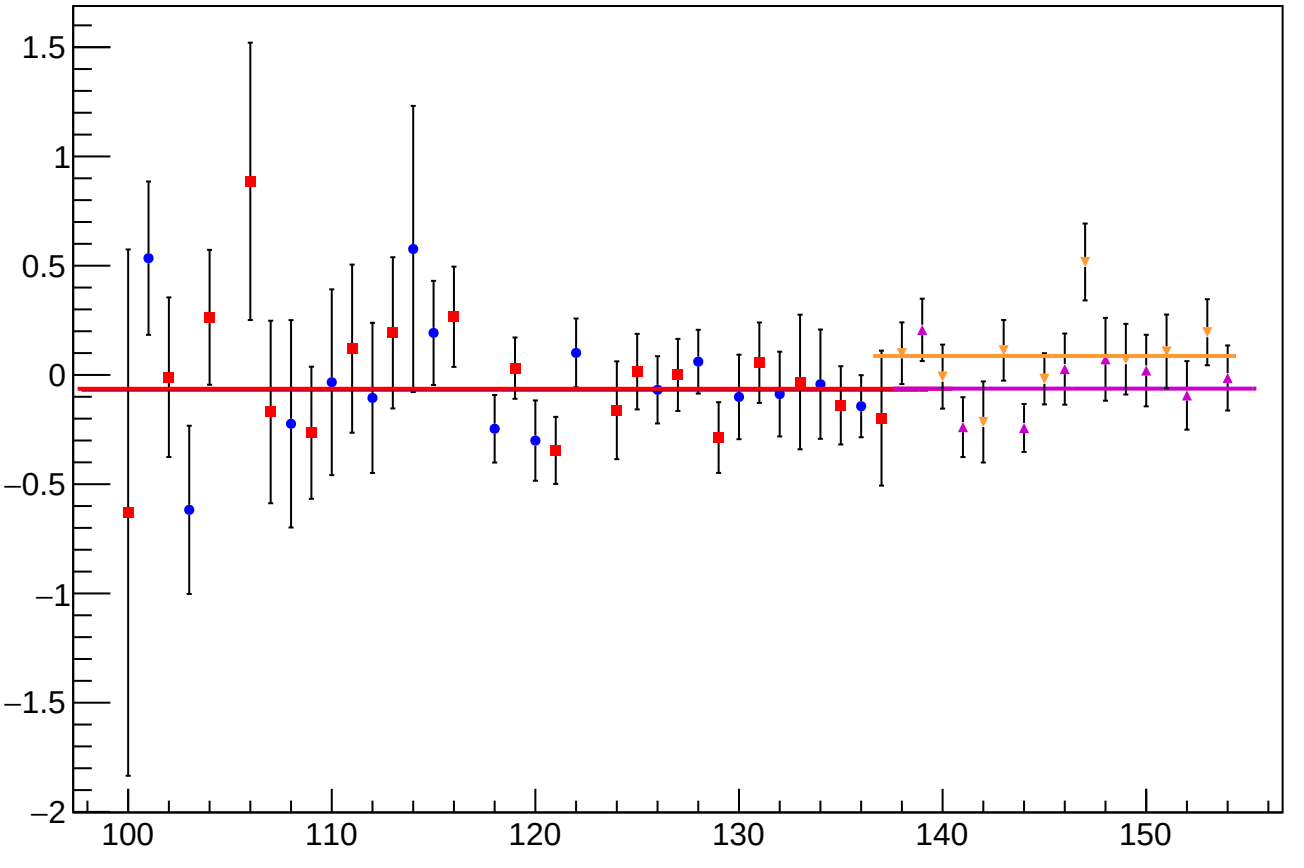
Left: 0.000+/-0.000 χ^2/NDF: 1730066.2/16

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3476458.8/23

Out: 0.000+/-0.000 χ^2/NDF:4831040.7/27

All: 0.000+/-0.000 χ^2/NDF: 8537582.3/51



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: -0.063+/-0.052 χ^2/NDF:9.1/7

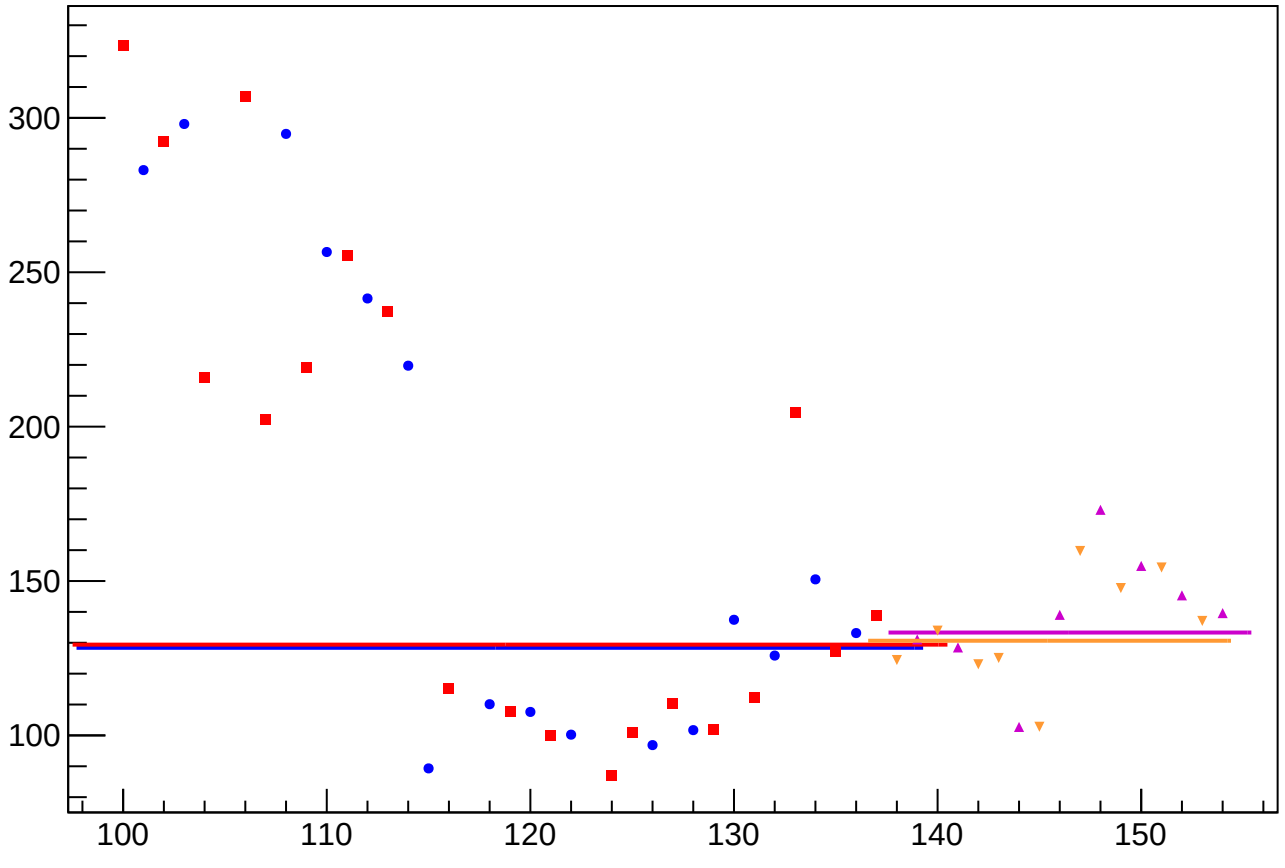
Left: 0.015+/-0.036 χ^2/NDF: 23.8/16

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.065+/-0.037 χ^2/NDF:21.6/23

Out: 0.014+/-0.036 χ^2/NDF:28.8/27

All: -0.025+/-0.026 χ^2/NDF: 52.8/51



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: 133.317+/-0.037 χ^2/NDF:298556.1/7

Left: 131.944+/-0.025 χ^2/NDF: 545763.4/16

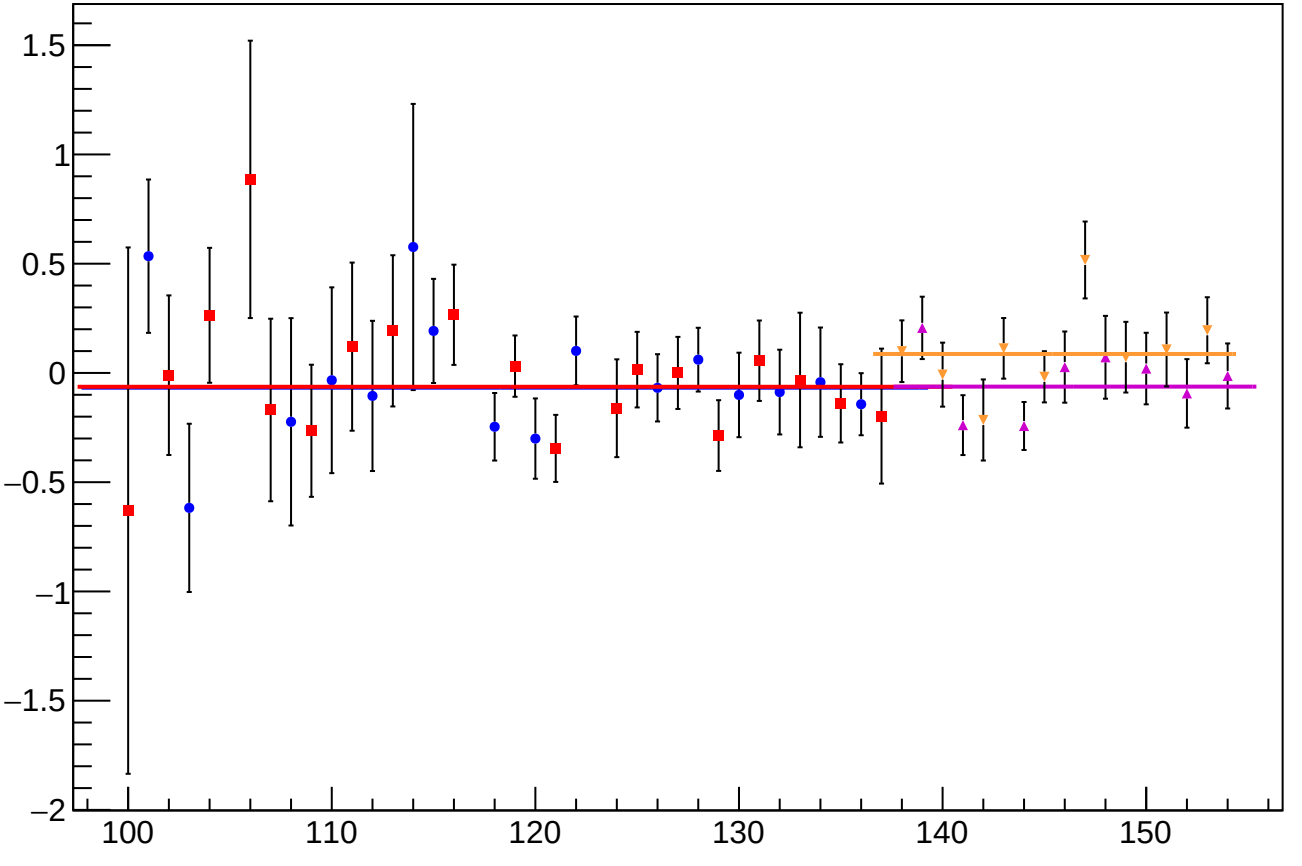
Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.851+/-0.026 χ^2/NDF:2112739.7/23

Out: 130.049+/-0.025 χ^2/NDF:2133366.1/27

All: 130.443+/-0.018 χ^2/NDF: 4246594.8/51

asym_sam2_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: -0.063+/-0.052 χ^2/NDF:9.1/7

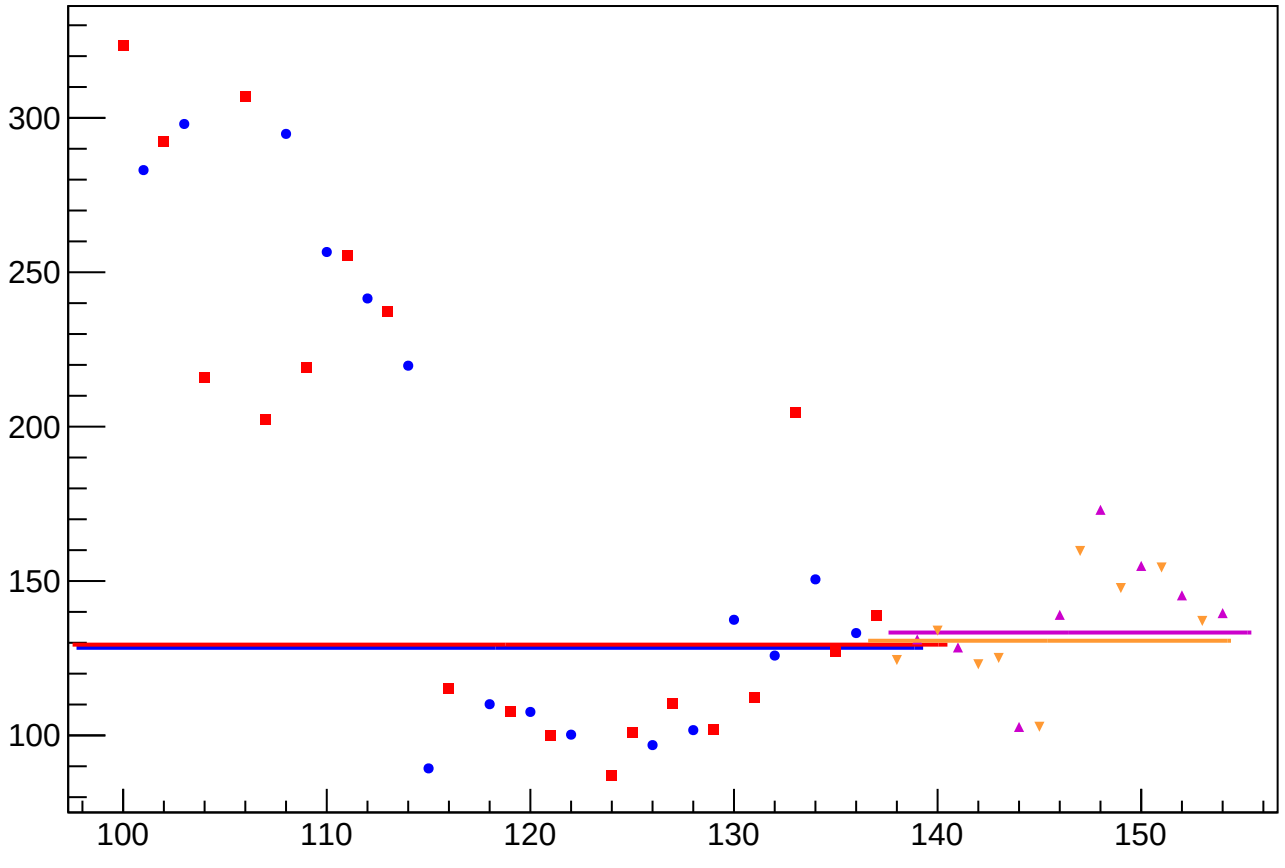
Left: 0.015+/-0.036 χ^2/NDF: 23.8/16

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.065+/-0.037 χ^2/NDF:21.6/23

Out: 0.014+/-0.036 χ^2/NDF:28.8/27

All: -0.025+/-0.026 χ^2/NDF: 52.8/51



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: 133.317+/-0.037 χ^2/NDF:298556.1/7

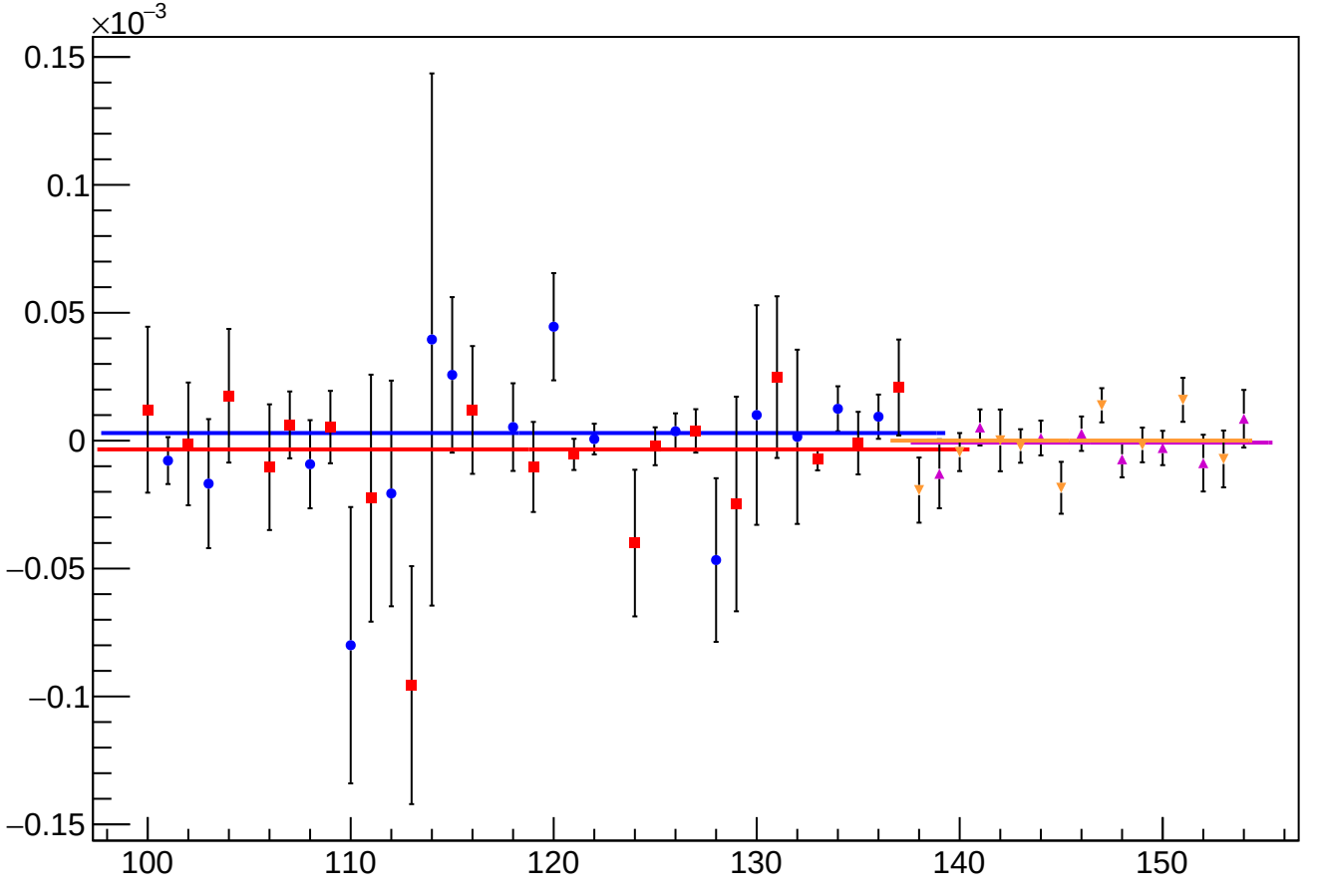
Left: 131.944+/-0.025 χ^2/NDF: 545763.4/16

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.851+/-0.026 χ^2/NDF:2112739.7/23

Out: 130.049+/-0.025 χ^2/NDF:2133366.1/27

All: 130.443+/-0.018 χ^2/NDF: 4246594.8/51



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:4.0/7

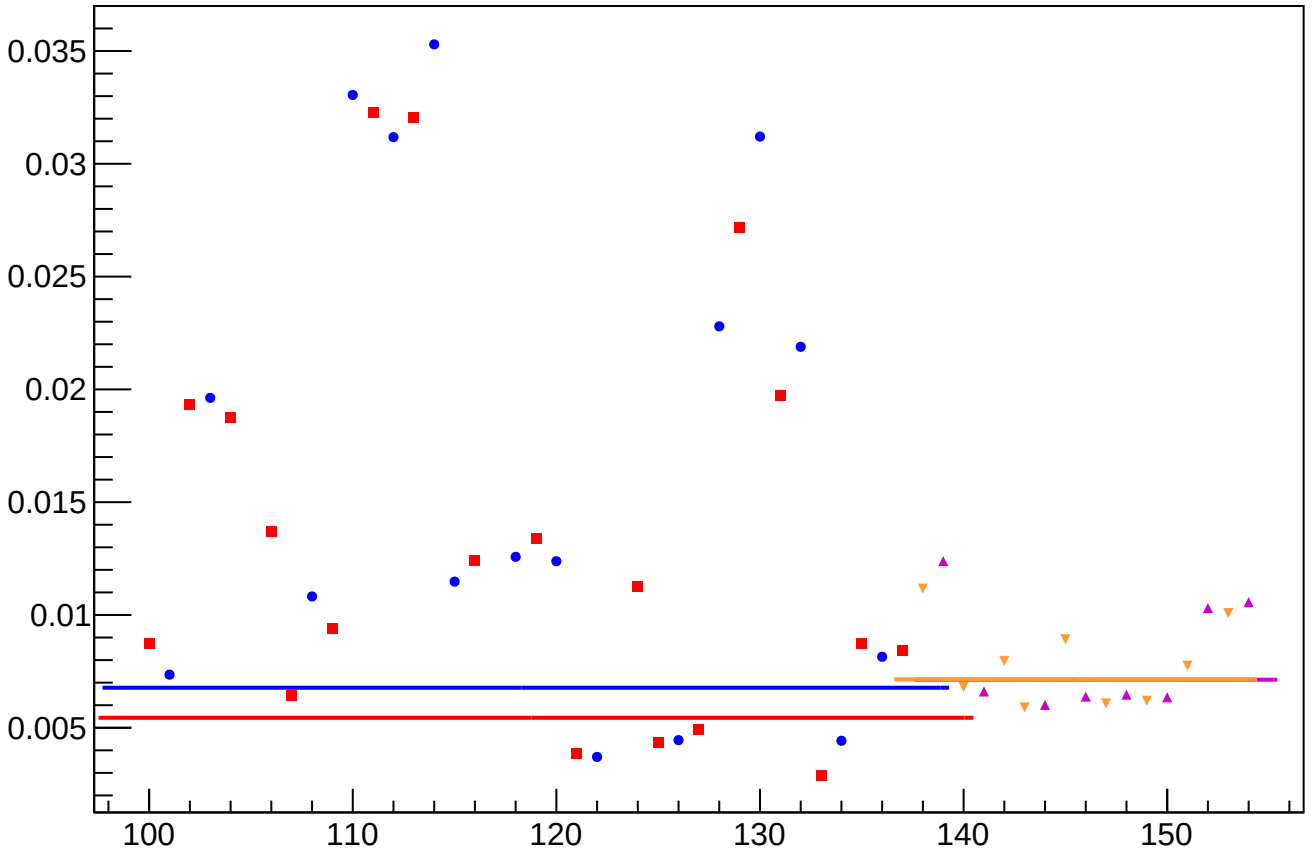
Left: -0.000+/-0.000 χ^2/NDF: 18.3/16

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:18.9/23

Out: -0.000+/-0.000 χ^2/NDF:27.7/27

All: -0.000+/-0.000 χ^2/NDF: 47.5/51



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:788963.6/7

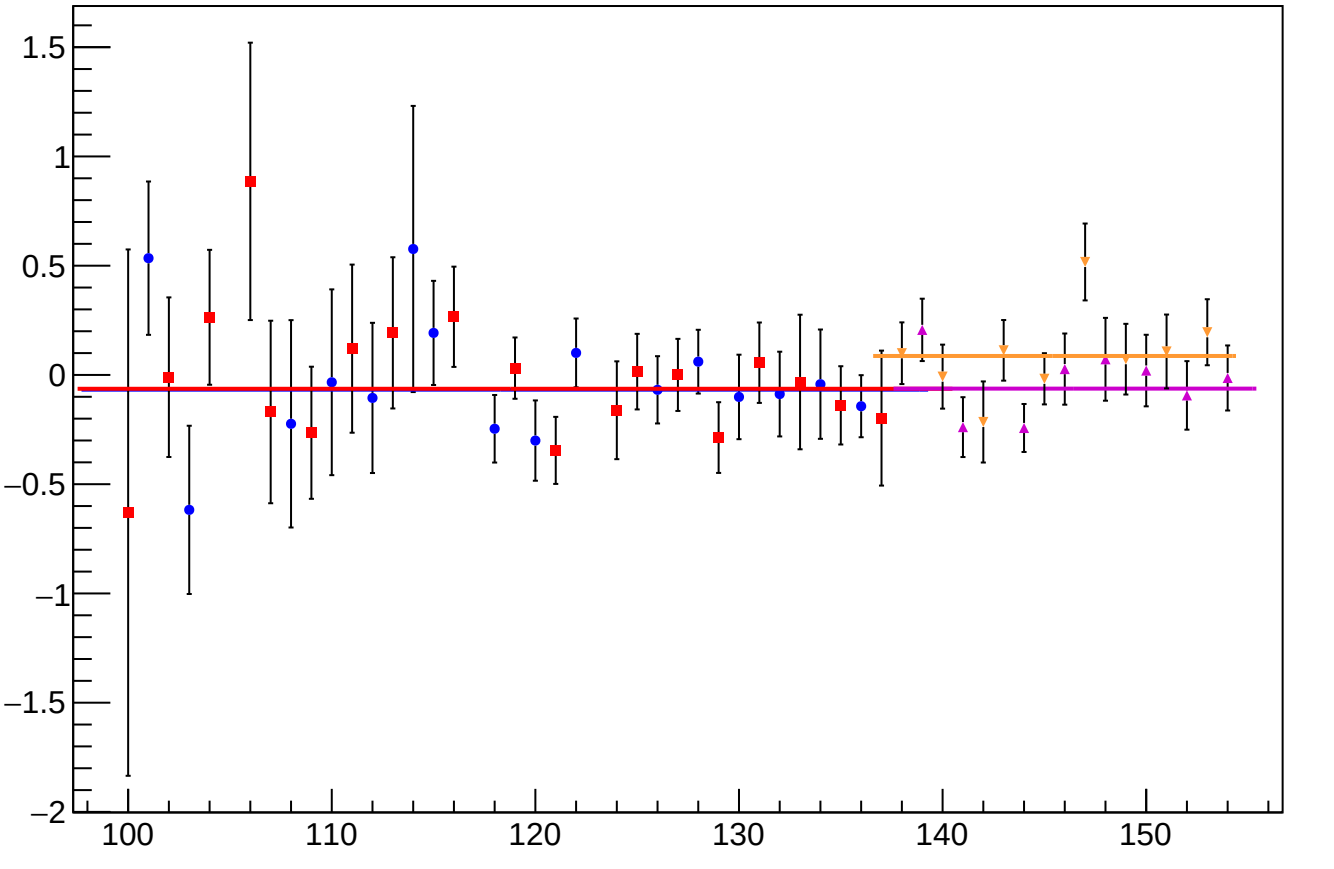
Left: 0.007+/-0.000 χ^2/NDF: 1375250.0/16

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5575489.1/23

Out: 0.006+/-0.000 χ^2/NDF:6559772.9/27

All: 0.007+/-0.000 χ^2/NDF: 12271675.9/51



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: -0.063+/-0.052 χ^2/NDF:9.1/7

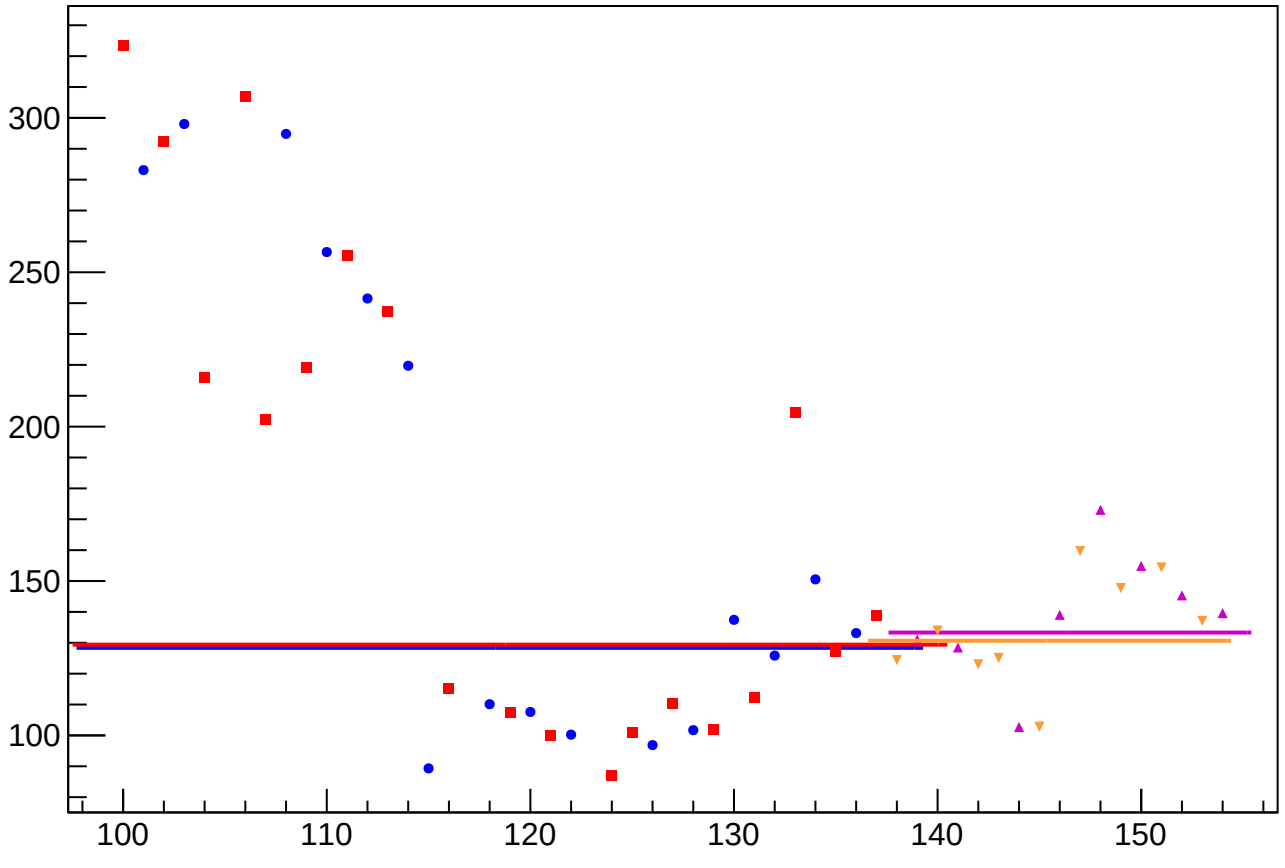
Left: 0.015+/-0.036 χ^2/NDF: 23.8/16

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.065+/-0.037 χ^2/NDF:21.6/23

Out: 0.014+/-0.036 χ^2/NDF:28.8/27

All: -0.025+/-0.026 χ^2/NDF: 52.8/51



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: 133.317+/-0.037 χ^2/NDF:298558.6/7

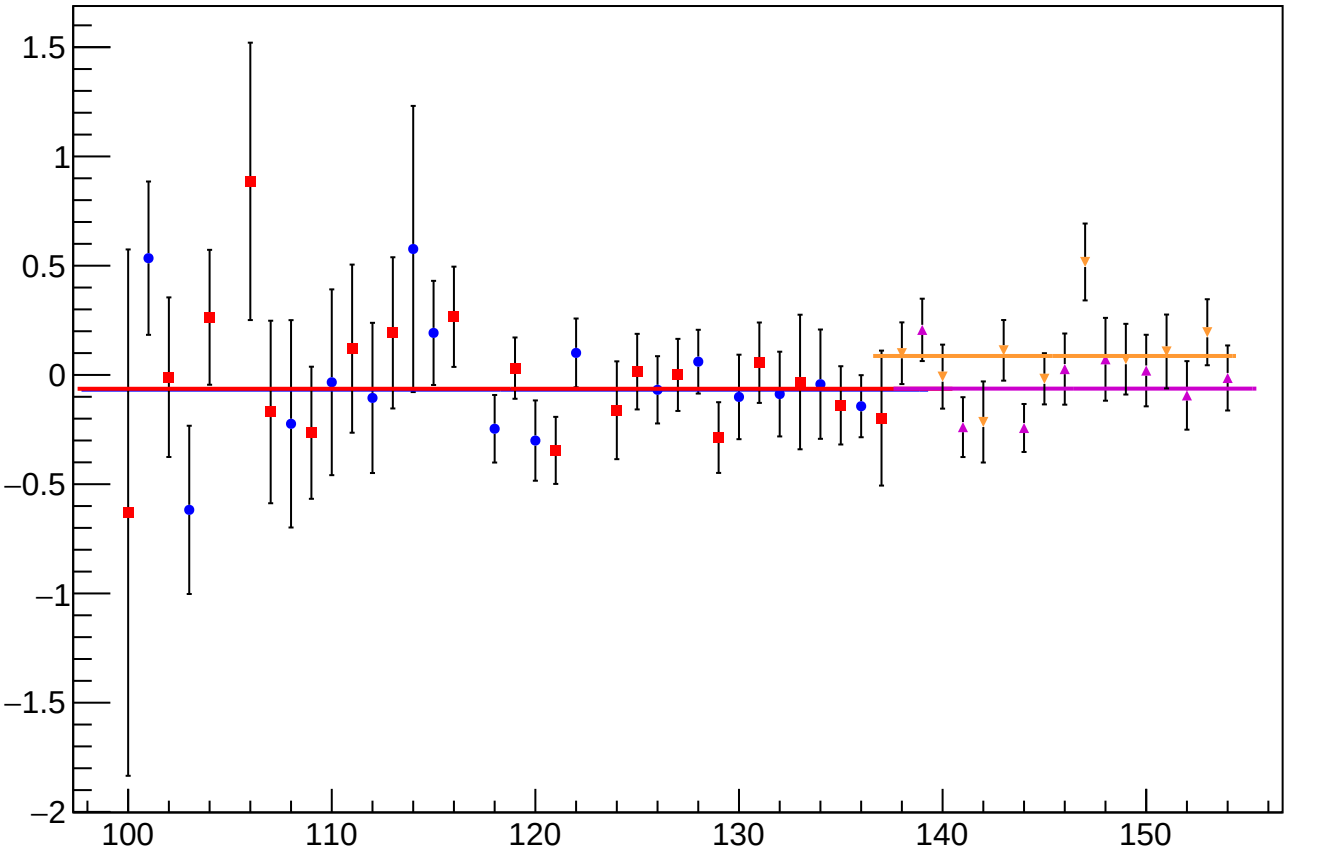
Left: 131.944+/-0.025 χ^2/NDF: 545785.0/16

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 130.850+/-0.026 χ^2/NDF:2112702.1/23

Out: 130.048+/-0.025 χ^2/NDF:2133389.4/27

All: 130.441+/-0.018 χ^2/NDF: 4246580.5/51



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: -0.063+/-0.052 χ^2/NDF:9.1/7

Left: 0.015+/-0.036 χ^2/NDF: 23.8/16

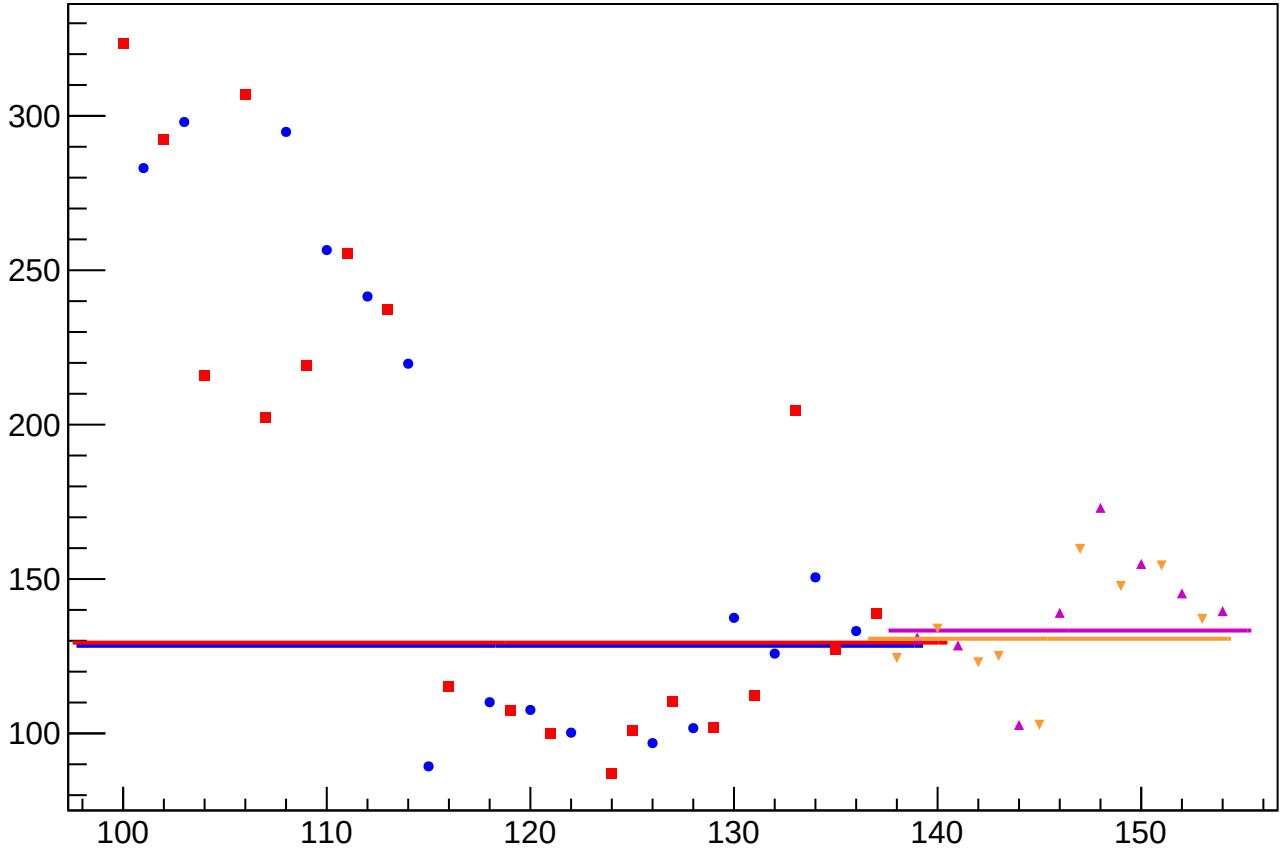
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.065+/-0.037 χ^2/NDF:21.6/23

Out: 0.014+/-0.036 χ^2/NDF:28.8/27

All: -0.025+/-0.026 χ^2/NDF: 52.8/51

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: 133.317+/-0.037 χ^2/NDF:298558.6/7

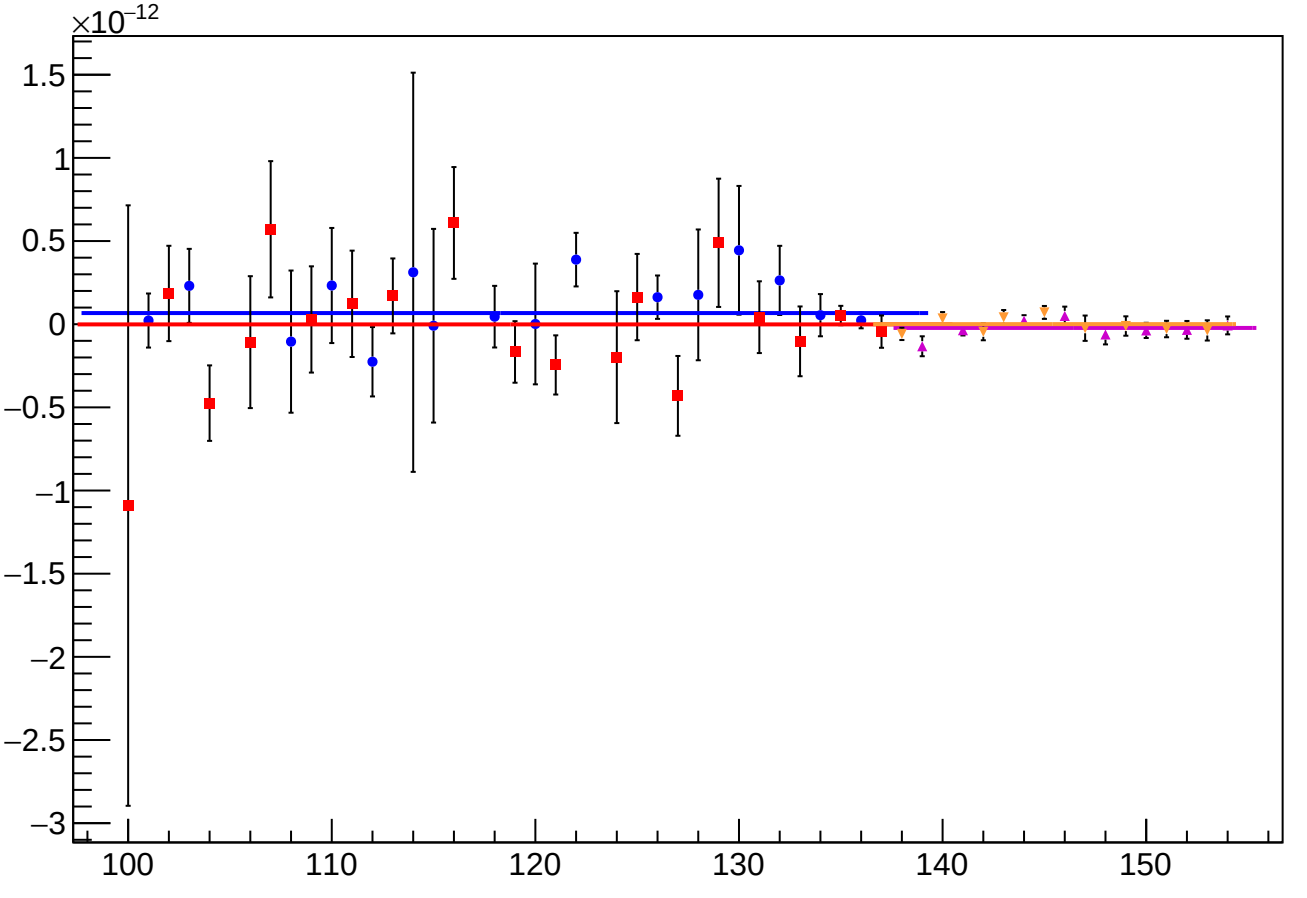
Left: 131.944+/-0.025 χ^2/NDF: 545785.0/16

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 130.850+/-0.026 χ^2/NDF:2112702.1/23

Out: 130.048+/-0.025 χ^2/NDF:2133389.4/27

All: 130.441+/-0.018 χ^2/NDF: 4246580.5/51



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:7.5/7

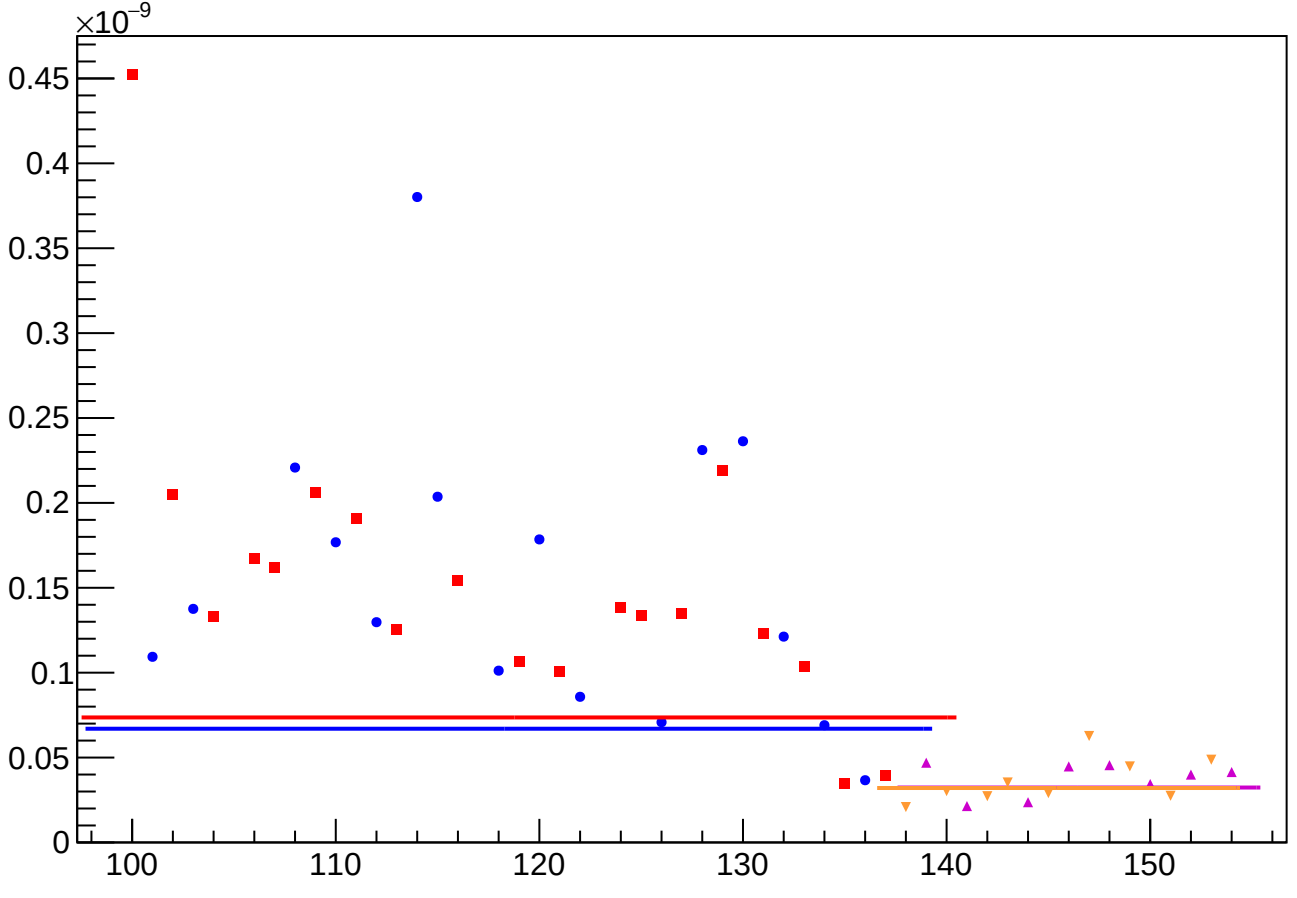
Left: -0.000+/-0.000 χ^2/NDF: 17.7/16

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:23.0/23

Out: 0.000+/-0.000 χ^2/NDF:29.8/27

All: -0.000+/-0.000 χ^2/NDF: 53.0/51



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:787456.6/7

Left: 0.000+/-0.000 χ^2/NDF: 1604553.8/16

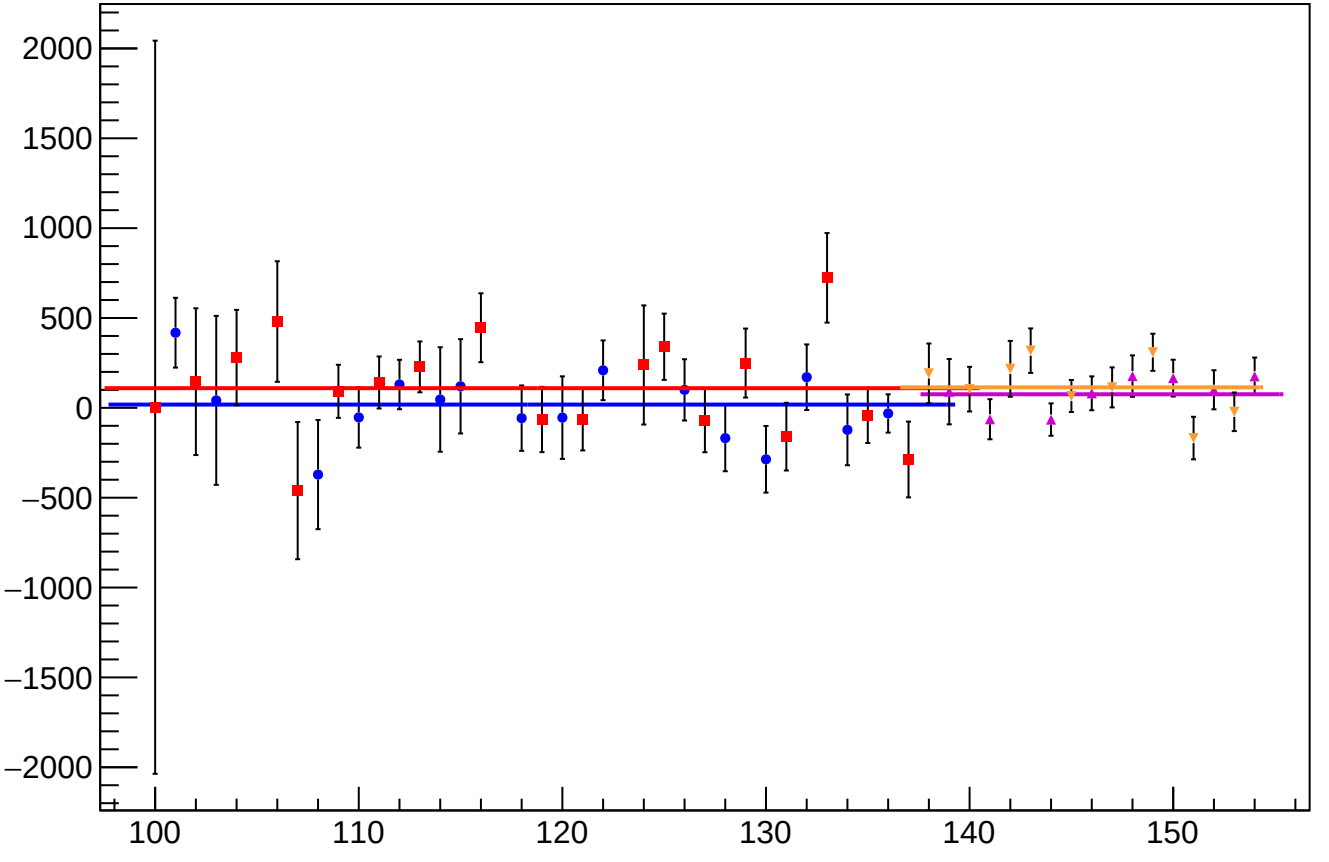
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5507883.5/23

Out: 0.000+/-0.000 χ^2/NDF:6395972.9/27

All: 0.000+/-0.000 χ^2/NDF: 11904299.2/51

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: 75.616+/-37.960 χ^2/NDF:6.5/7

Left: 94.477+/-27.112 χ^2/NDF: 21.6/16

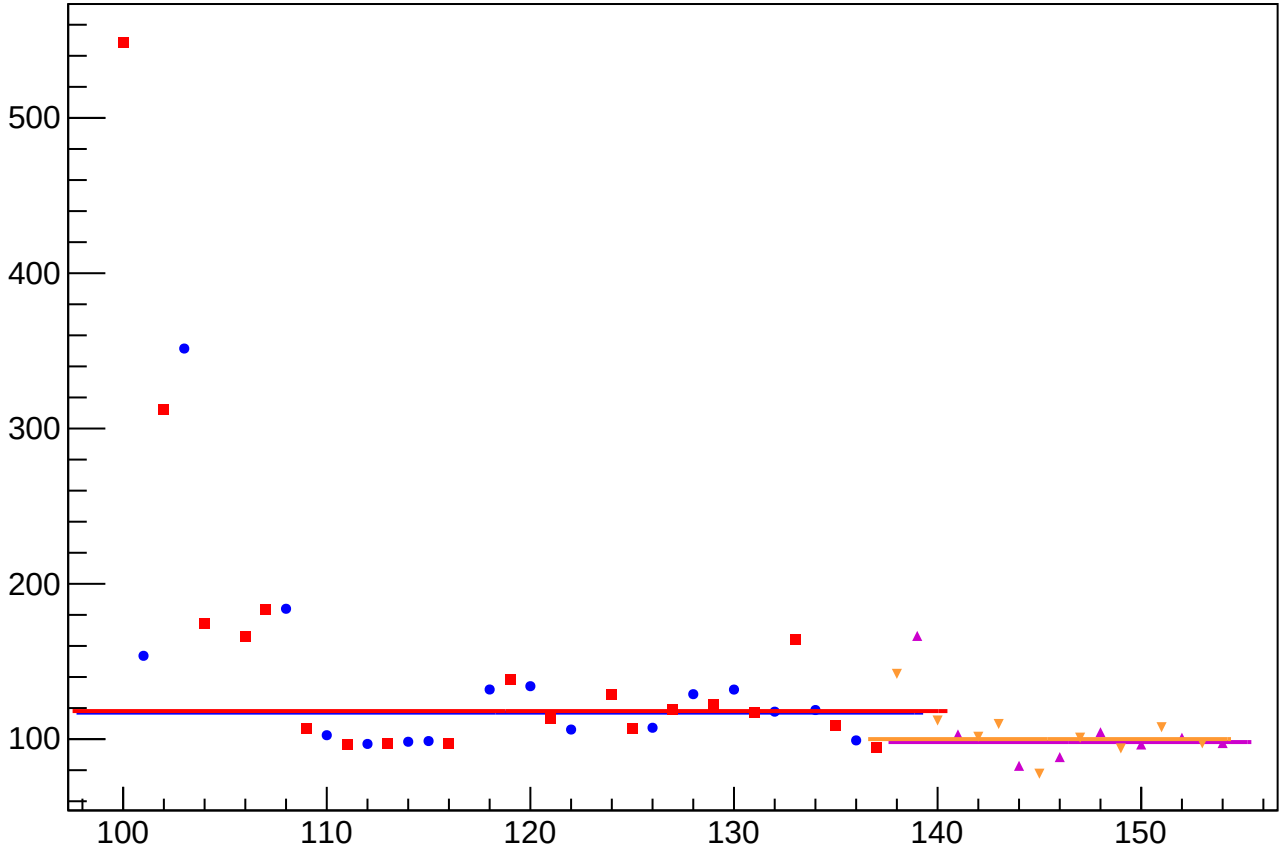
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 52.179+/-29.201 χ^2/NDF:21.3/23

Out: 112.164+/-29.582 χ^2/NDF:40.0/27

All: 81.783+/-20.782 χ^2/NDF: 63.4/51

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: 98.106+/-0.027 χ^2/NDF:373376.5/7

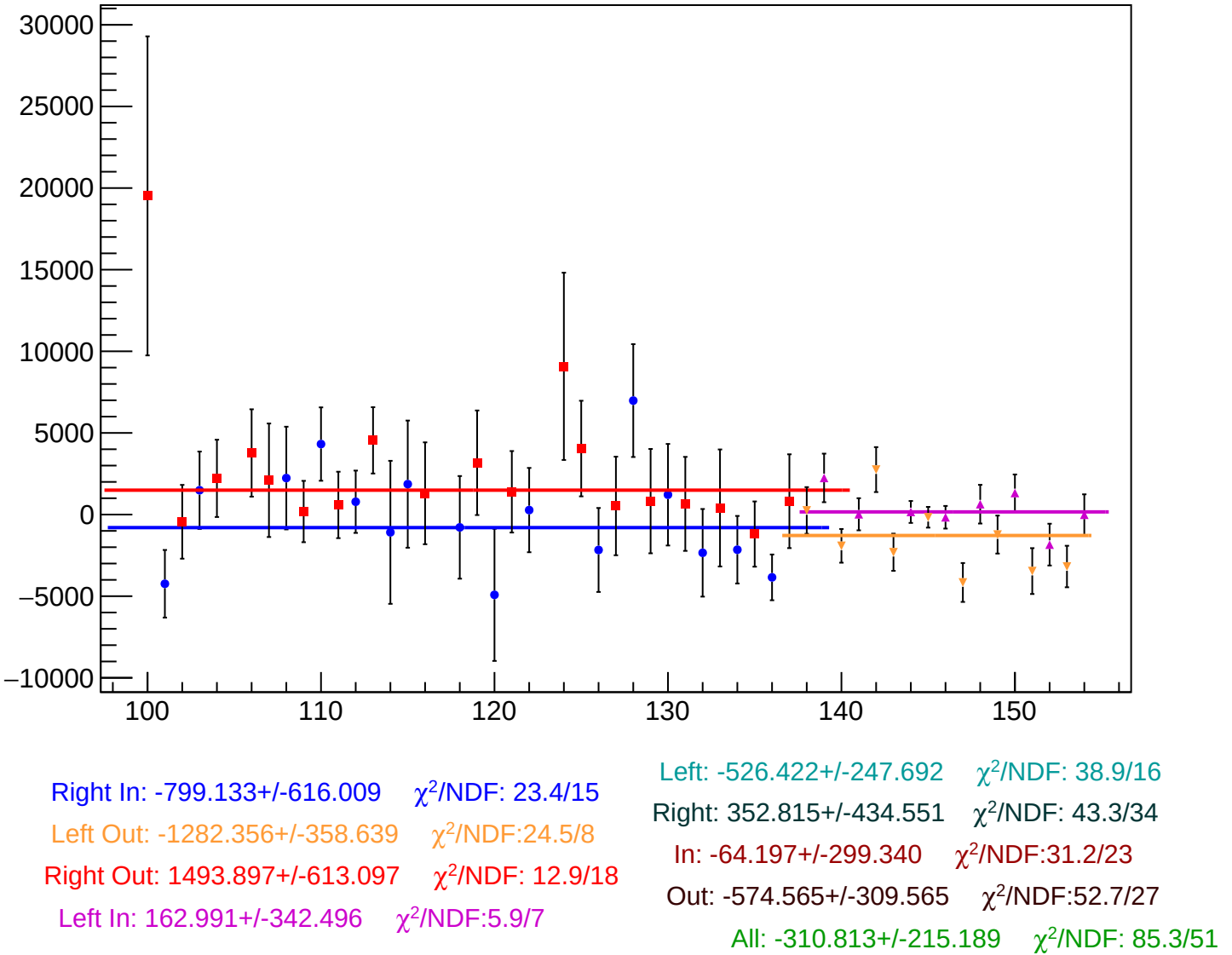
Left: 99.042+/-0.019 χ^2/NDF: 676785.1/16

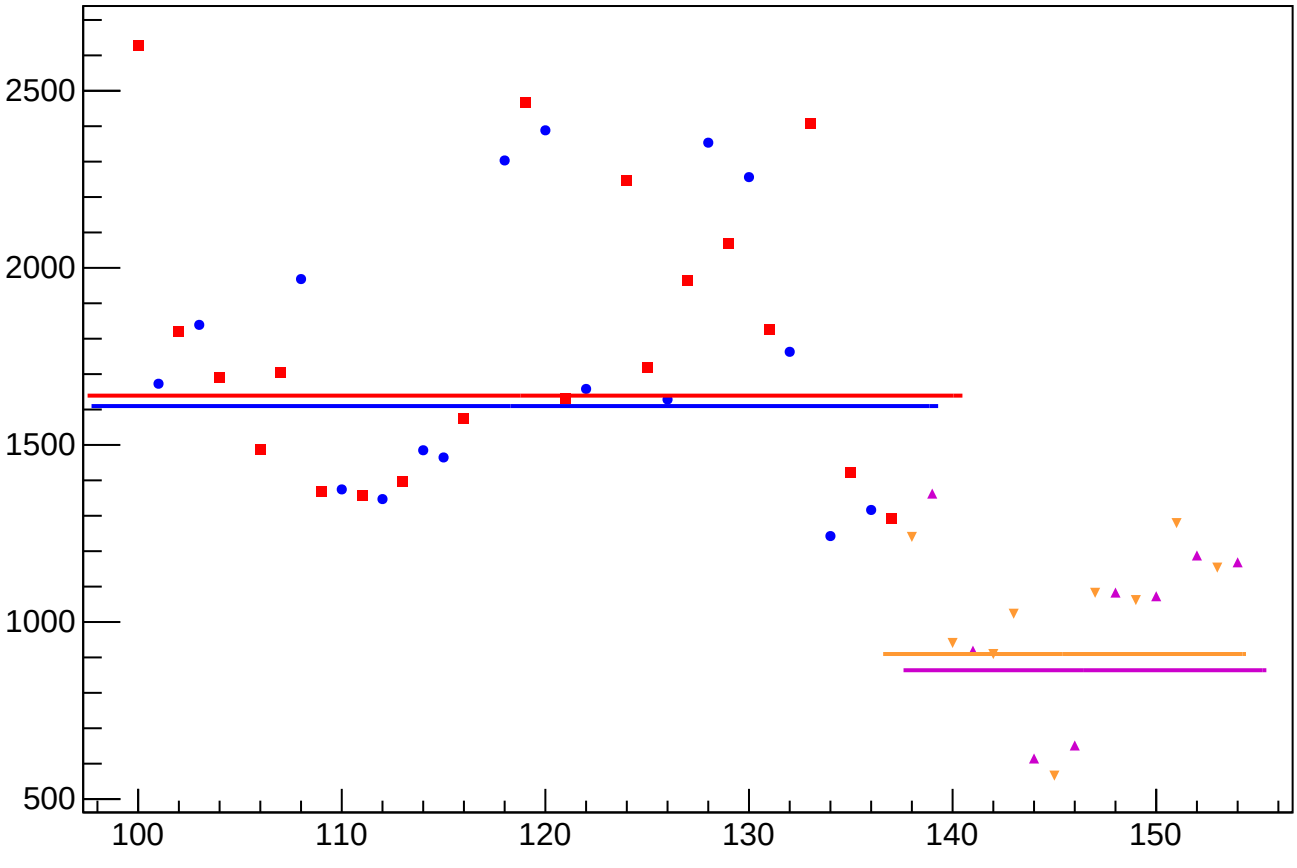
Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 105.845+/-0.021 χ^2/NDF:1435380.9/23

Out: 107.535+/-0.021 χ^2/NDF:1472477.3/27

All: 106.679+/-0.015 χ^2/NDF: 2911166.0/51


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: 162.991+/-342.496 χ²/NDF:5.9/7
Left: -526.422+/-247.692 χ²/NDF: 38.9/16
Right: 352.815+/-434.551 χ²/NDF: 43.3/34
In: -64.197+/-299.340 χ²/NDF:31.2/23
Out: -574.565+/-309.565 χ²/NDF:52.7/27
All: -310.813+/-215.189 χ²/NDF: 85.3/51



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: 863.823+/-0.242 χ^2/NDF:1078299.4/7

Left: 885.687+/-0.175 χ^2/NDF: 2097499.3/16

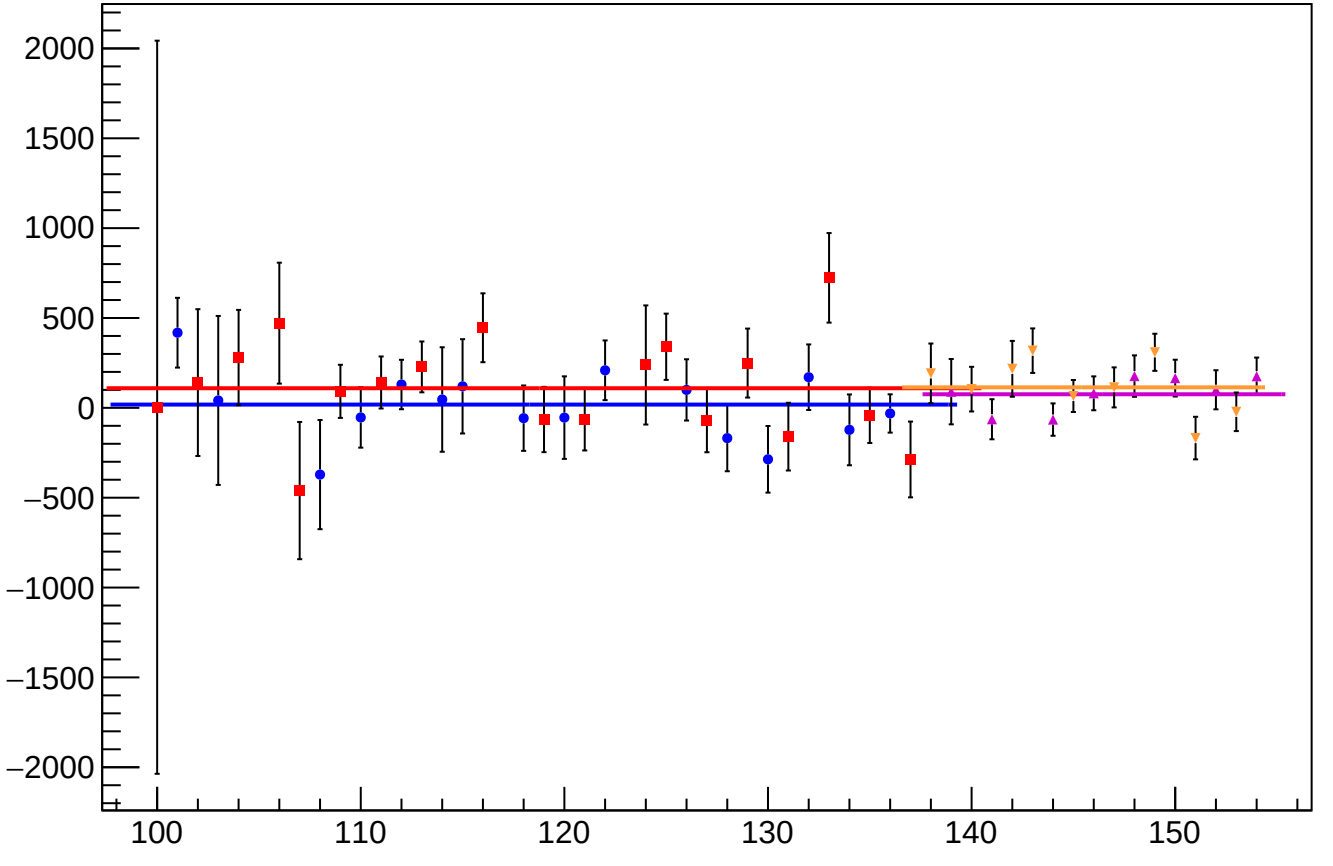
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1039.968+/-0.212 χ^2/NDF:3937711.3/23

Out: 1095.663+/-0.219 χ^2/NDF:3632417.1/27

All: 1066.880+/-0.152 χ^2/NDF: 7603583.6/51

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: 75.616+/-37.960 χ^2/NDF:6.5/7

Left: 94.481+/-27.112 χ^2/NDF: 21.6/16

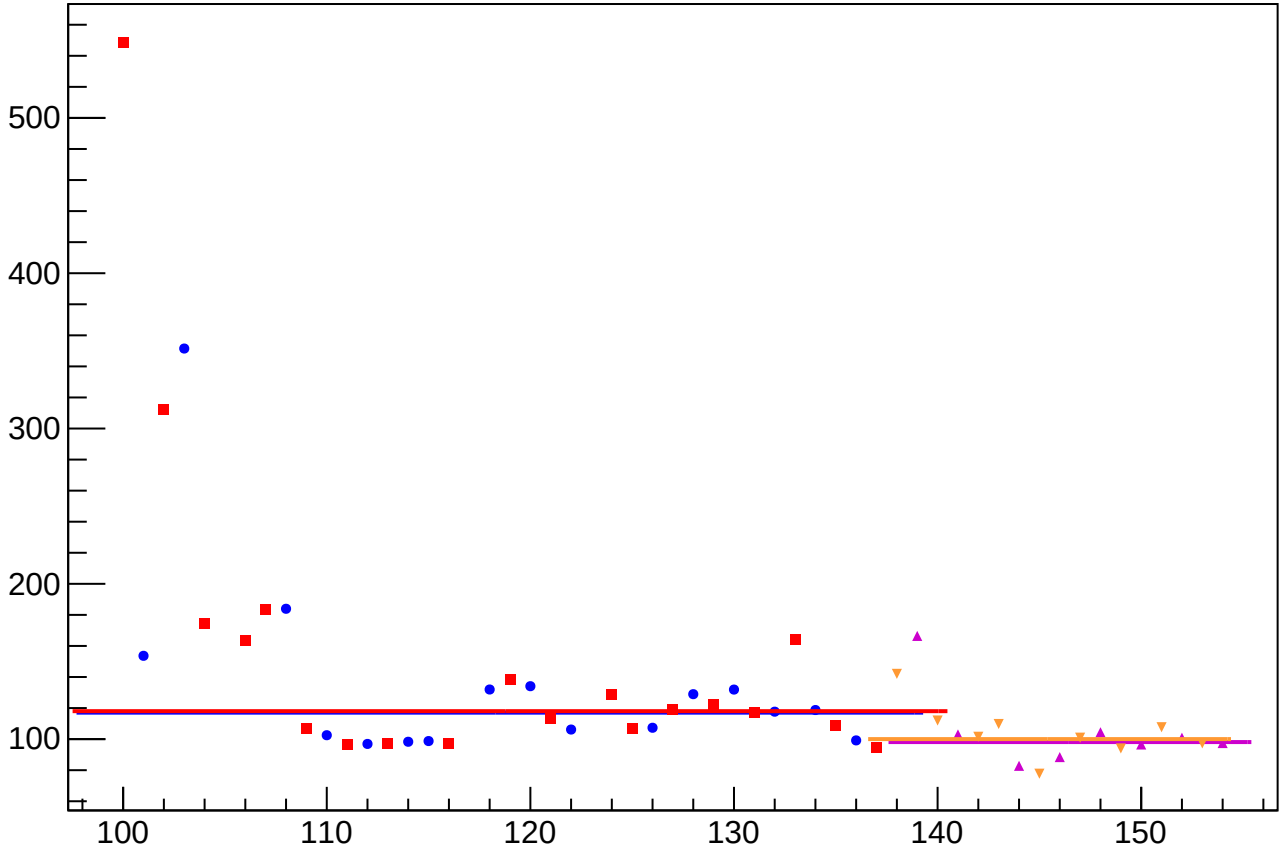
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 52.174+/-29.201 χ^2/NDF:21.3/23

Out: 112.052+/-29.583 χ^2/NDF:39.9/27

All: 81.724+/-20.782 χ^2/NDF: 63.3/51

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: 98.106+/-0.027 χ^2/NDF:373376.5/7

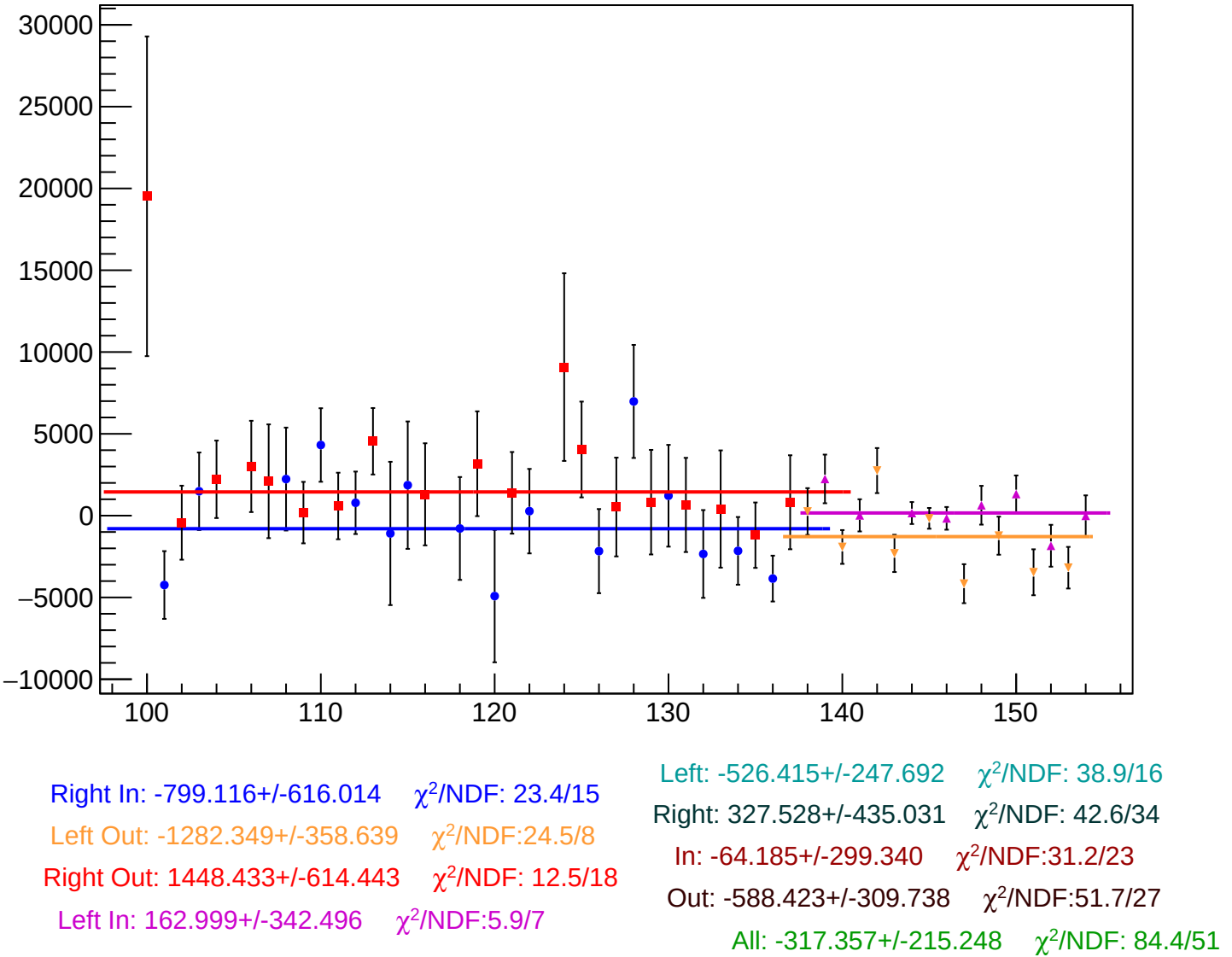
Left: 99.042+/-0.019 χ^2/NDF: 676785.1/16

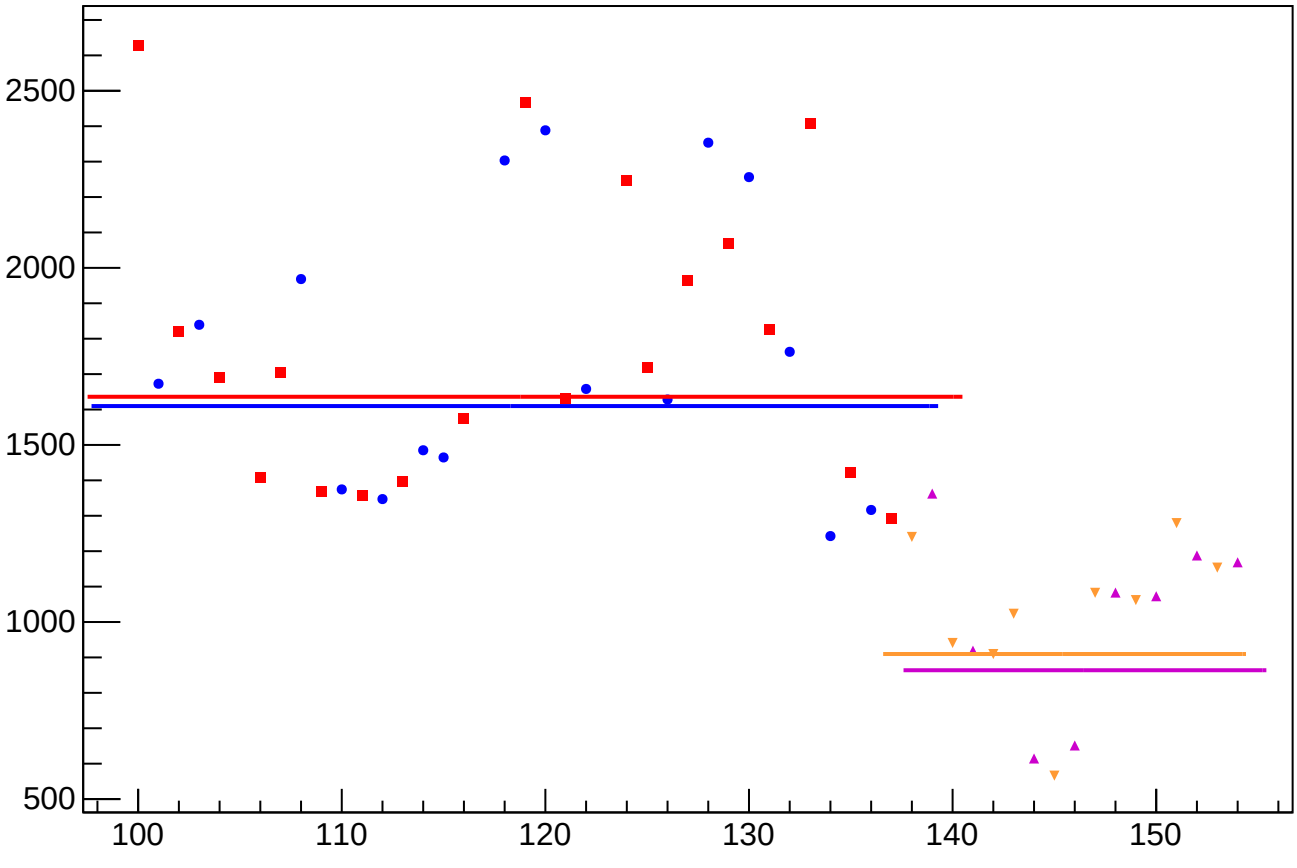
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 105.845+/-0.021 χ^2/NDF:1435382.8/23

Out: 107.513+/-0.021 χ^2/NDF:1467232.8/27

All: 106.668+/-0.015 χ^2/NDF: 2905837.3/51


asym_sam3_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -799.116+/-616.014 χ²/NDF: 23.4/15
Left Out: -1282.349+/-358.639 χ²/NDF:24.5/8
Right Out: 1448.433+/-614.443 χ²/NDF: 12.5/18
Left In: 162.999+/-342.496 χ²/NDF:5.9/7
Left: -526.415+/-247.692 χ²/NDF: 38.9/16
Right: 327.528+/-435.031 χ²/NDF: 42.6/34
In: -64.185+/-299.340 χ²/NDF:31.2/23
Out: -588.423+/-309.738 χ²/NDF:51.7/27
All: -317.357+/-215.248 χ²/NDF: 84.4/51



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: 863.823+/-0.242 χ^2/NDF:1078302.6/7

Left: 885.687+/-0.175 χ^2/NDF: 2097503.6/16

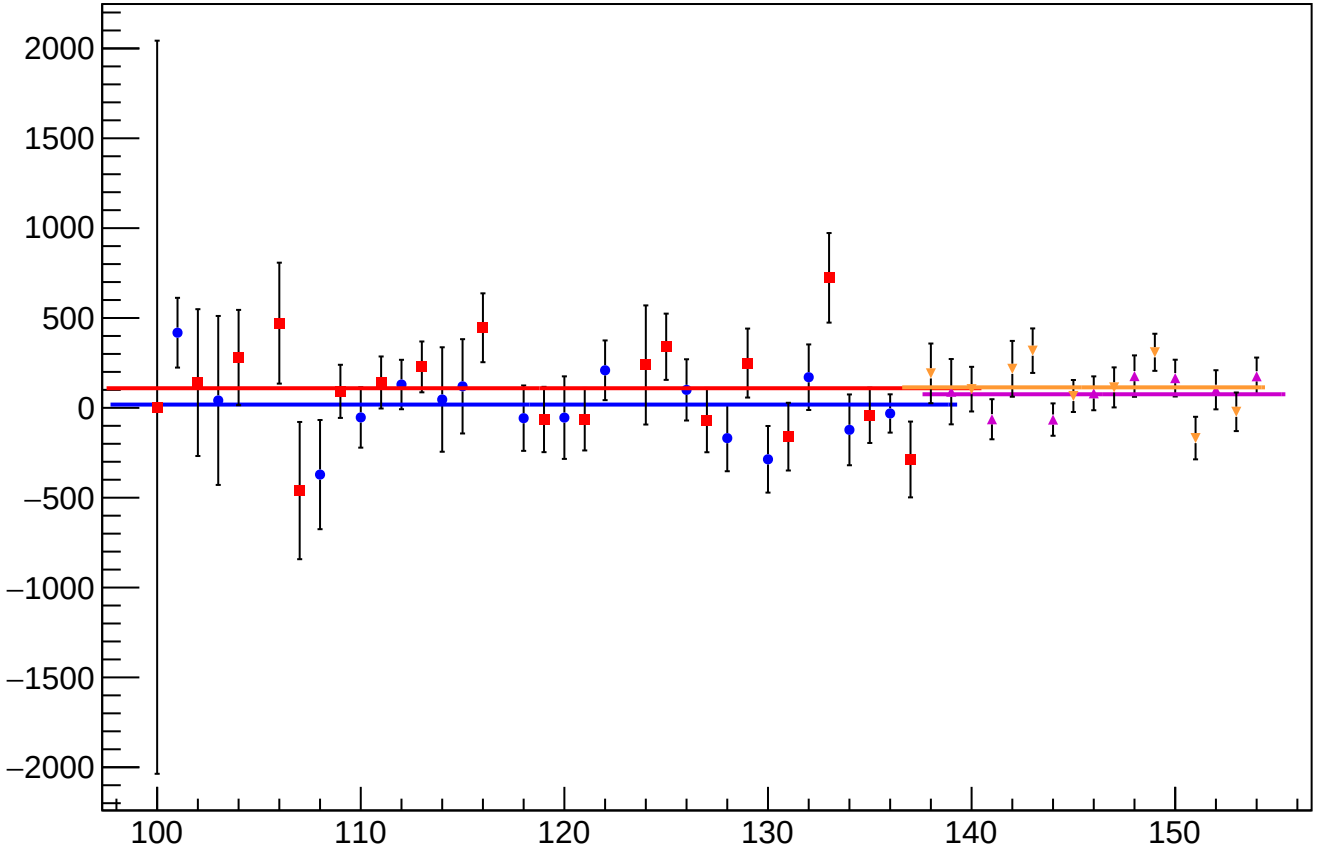
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1039.968+/-0.212 χ^2/NDF:3937776.0/23

Out: 1094.243+/-0.219 χ^2/NDF:3614778.8/27

All: 1066.179+/-0.152 χ^2/NDF: 7584308.0/51

eigen_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: 75.616+/-37.960 χ^2/NDF:6.5/7

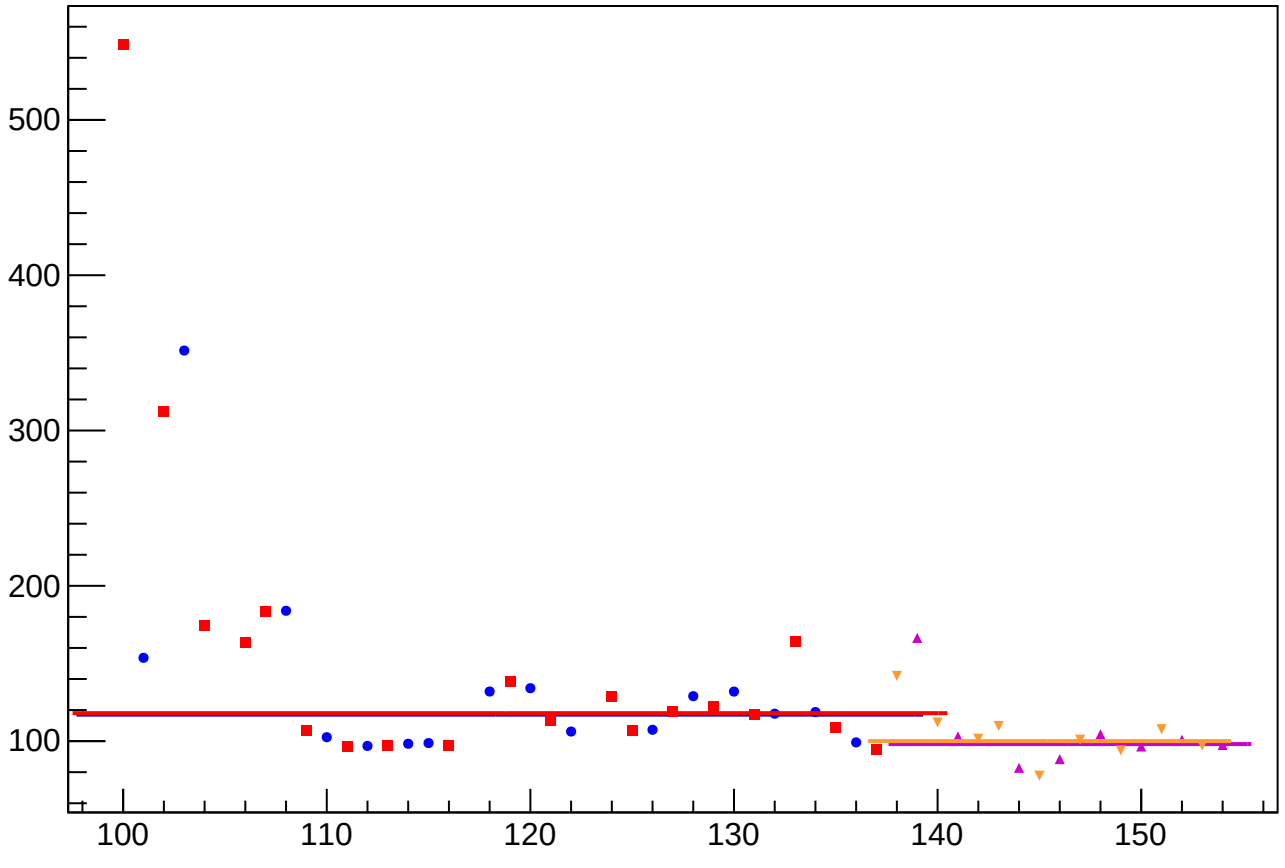
Left: 94.481+/-27.112 χ^2/NDF: 21.6/16

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 52.174+/-29.201 χ^2/NDF:21.3/23

Out: 112.052+/-29.583 χ^2/NDF:39.9/27

All: 81.724+/-20.782 χ^2/NDF: 63.3/51



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: 98.106+/-0.027 χ^2/NDF:373376.5/7

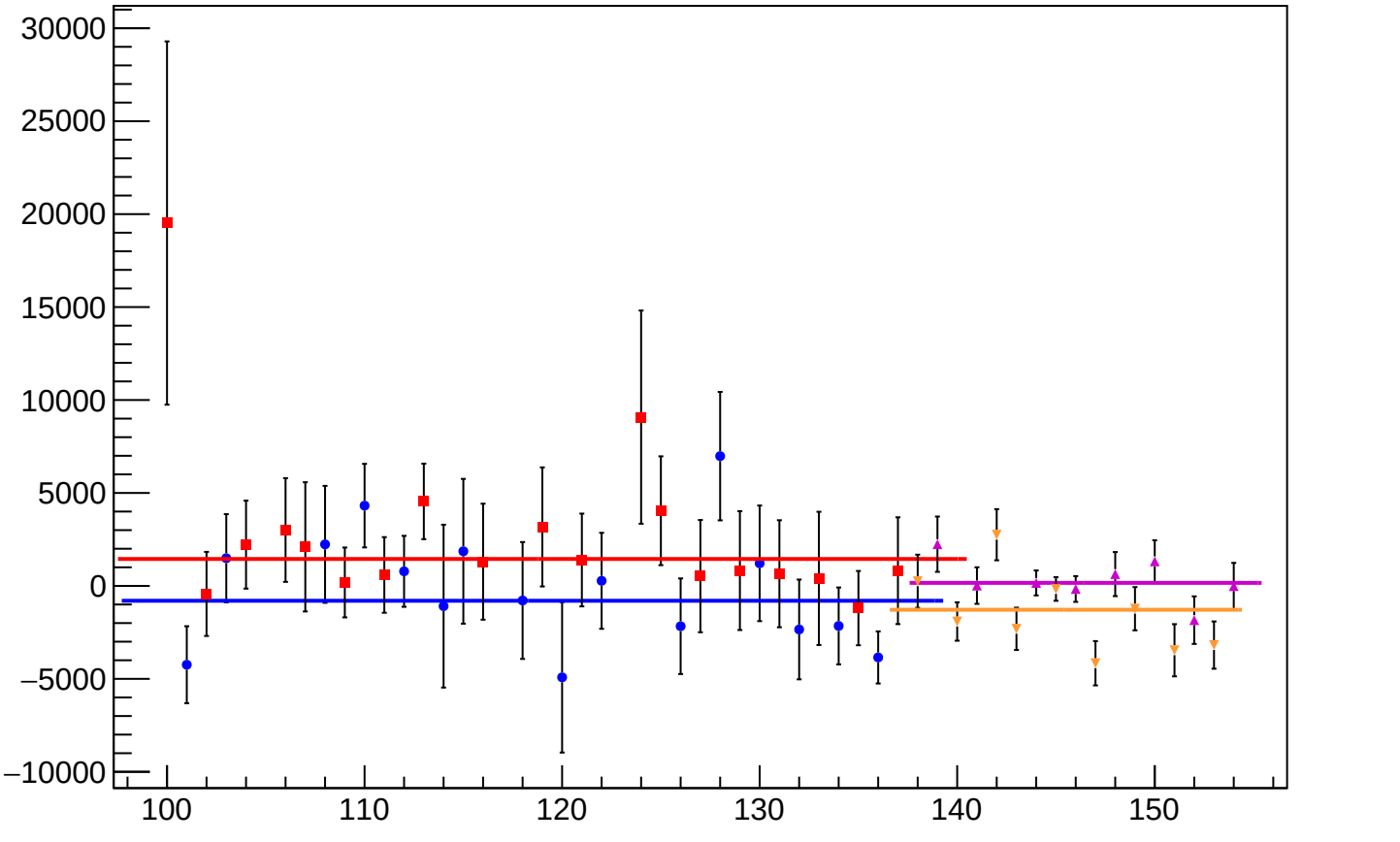
Left: 99.042+/-0.019 χ^2/NDF: 676785.1/16

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 105.845+/-0.021 χ^2/NDF:1435382.8/23

Out: 107.513+/-0.021 χ^2/NDF:1467232.8/27

All: 106.668+/-0.015 χ^2/NDF: 2905837.3/51



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: 162.999+/-342.496 χ^2/NDF:5.9/7

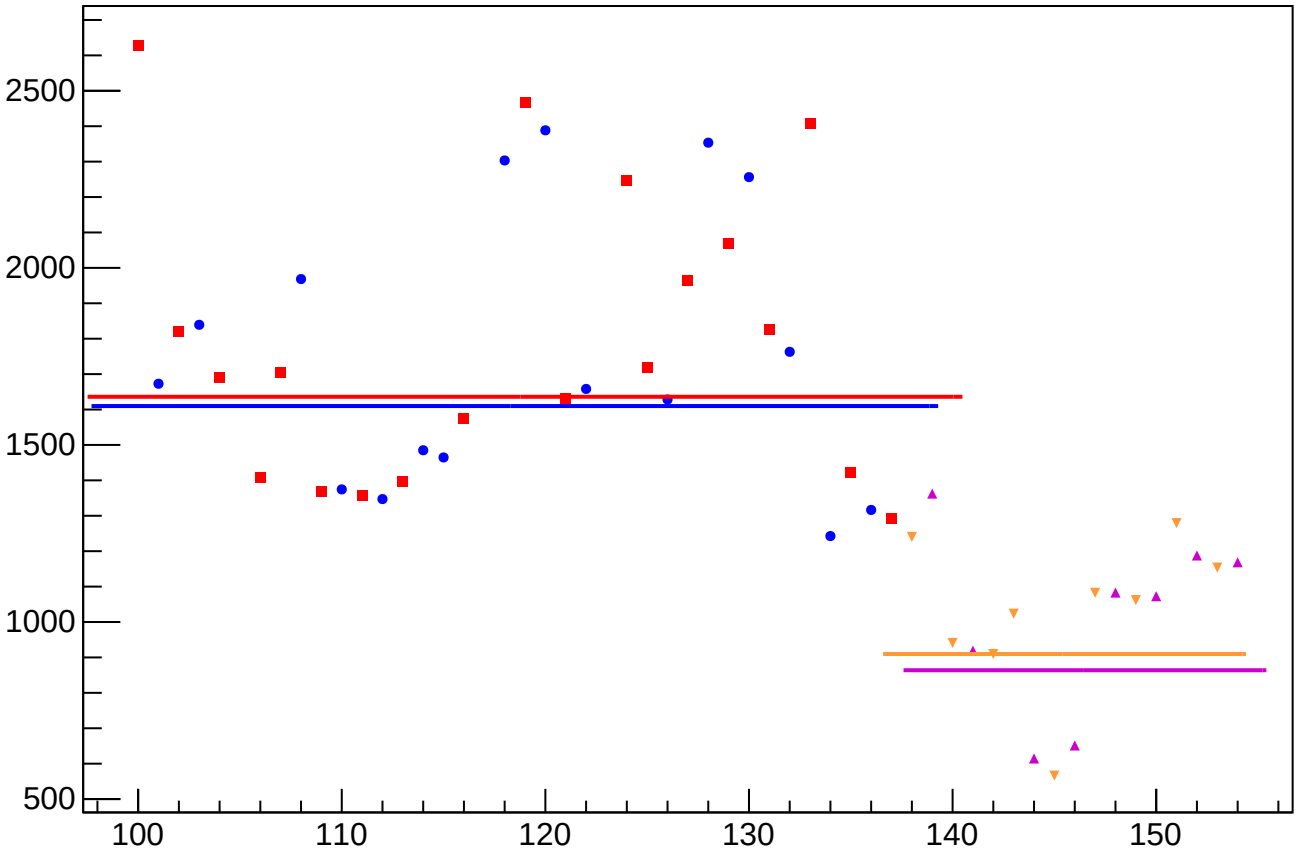
Left: -526.415+/-247.692 χ^2/NDF: 38.9/16

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -64.185+/-299.340 χ^2/NDF:31.2/23

Out: -588.423+/-309.738 χ^2/NDF:51.7/27

All: -317.357+/-215.248 χ^2/NDF: 84.4/51



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: 863.823+/-0.242 χ^2/NDF:1078302.6/7

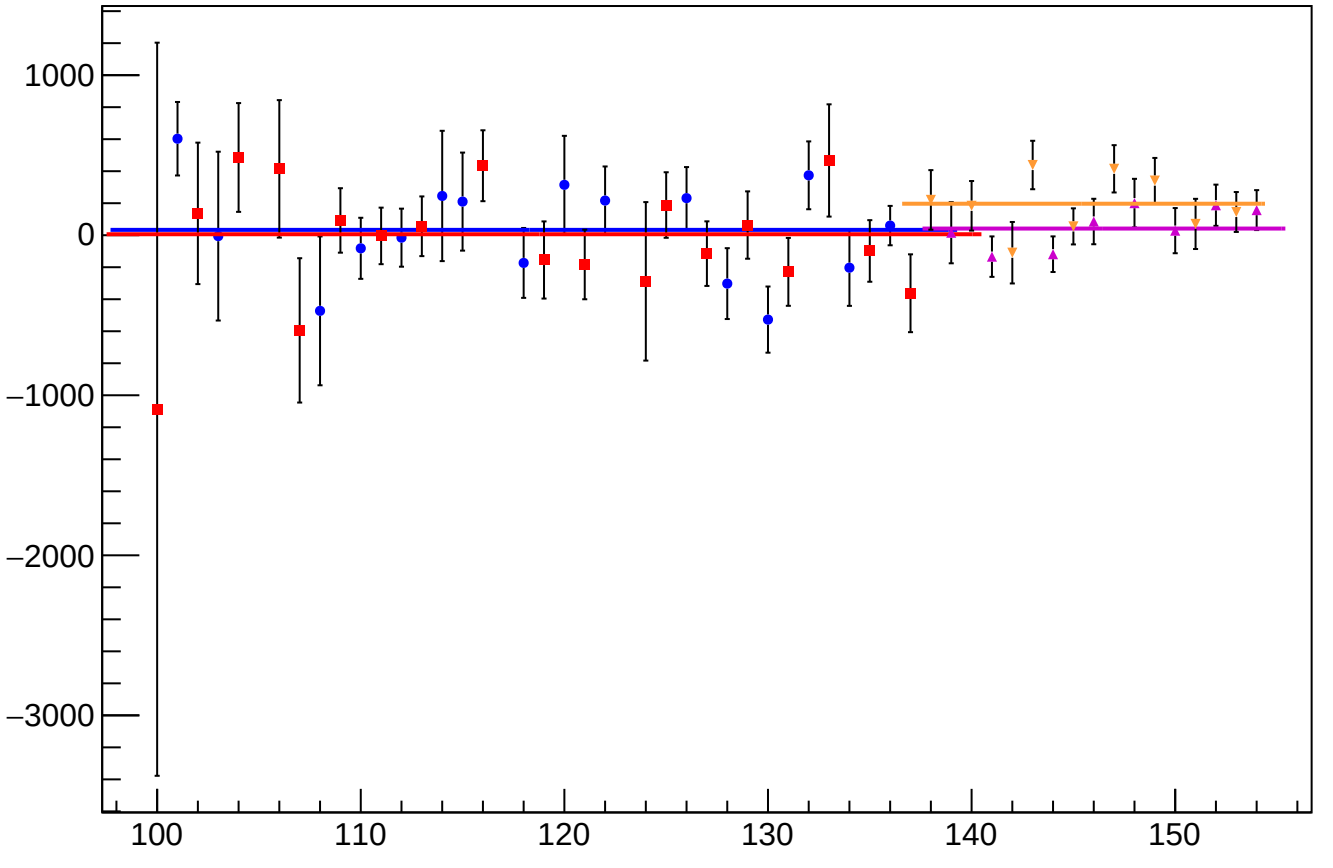
Left: 885.687+/-0.175 χ^2/NDF: 2097503.6/16

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1039.968+/-0.212 χ^2/NDF:3937776.0/23

Out: 1094.243+/-0.219 χ^2/NDF:3614778.8/27

All: 1066.179+/-0.152 χ^2/NDF: 7584308.0/51



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: 41.574+/-47.755 χ^2/NDF:7.4/7

Left: 117.563+/-34.118 χ^2/NDF: 23.3/16

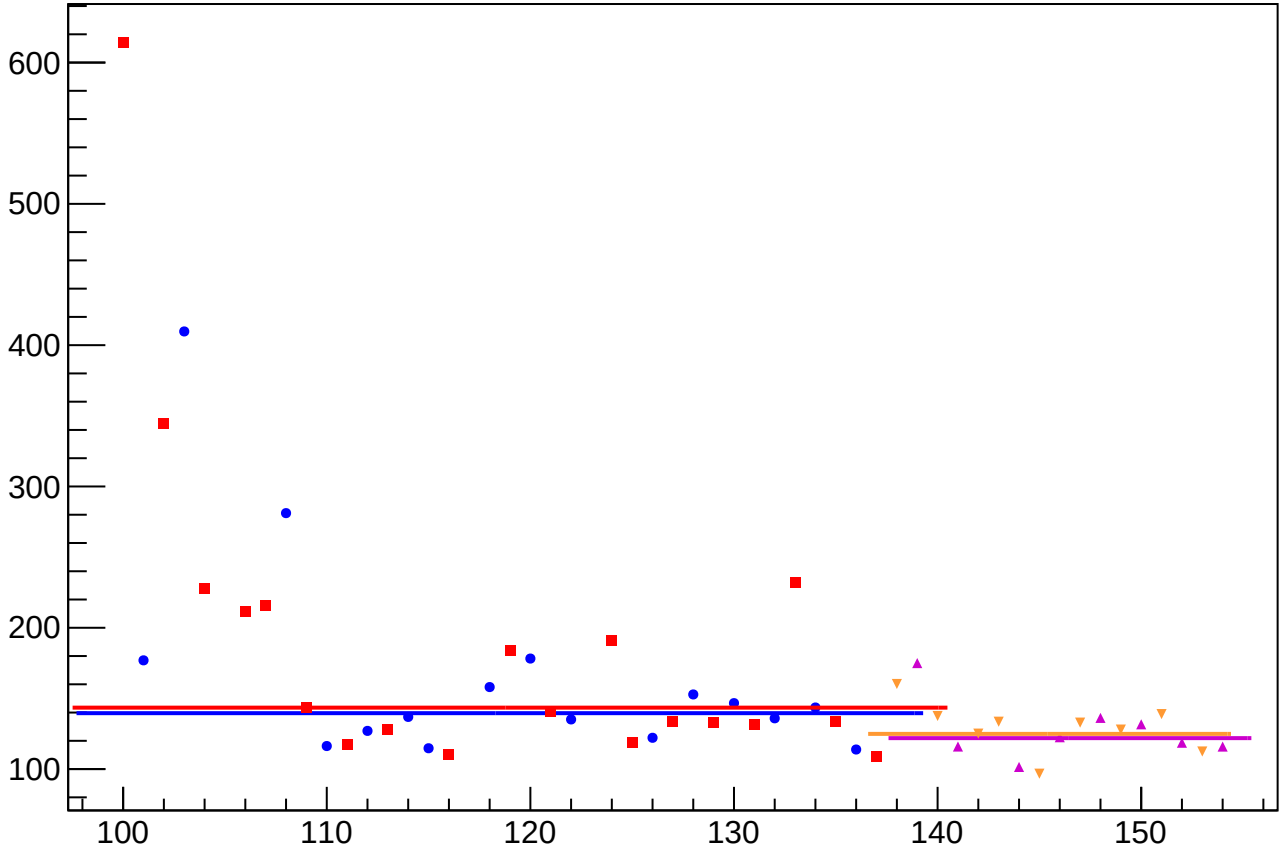
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 38.084+/-36.033 χ^2/NDF:32.5/23

Out: 114.710+/-36.800 χ^2/NDF:34.6/27

All: 75.591+/-25.746 χ^2/NDF: 69.4/51

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: 121.899+/-0.034 χ^2/NDF:259232.5/7

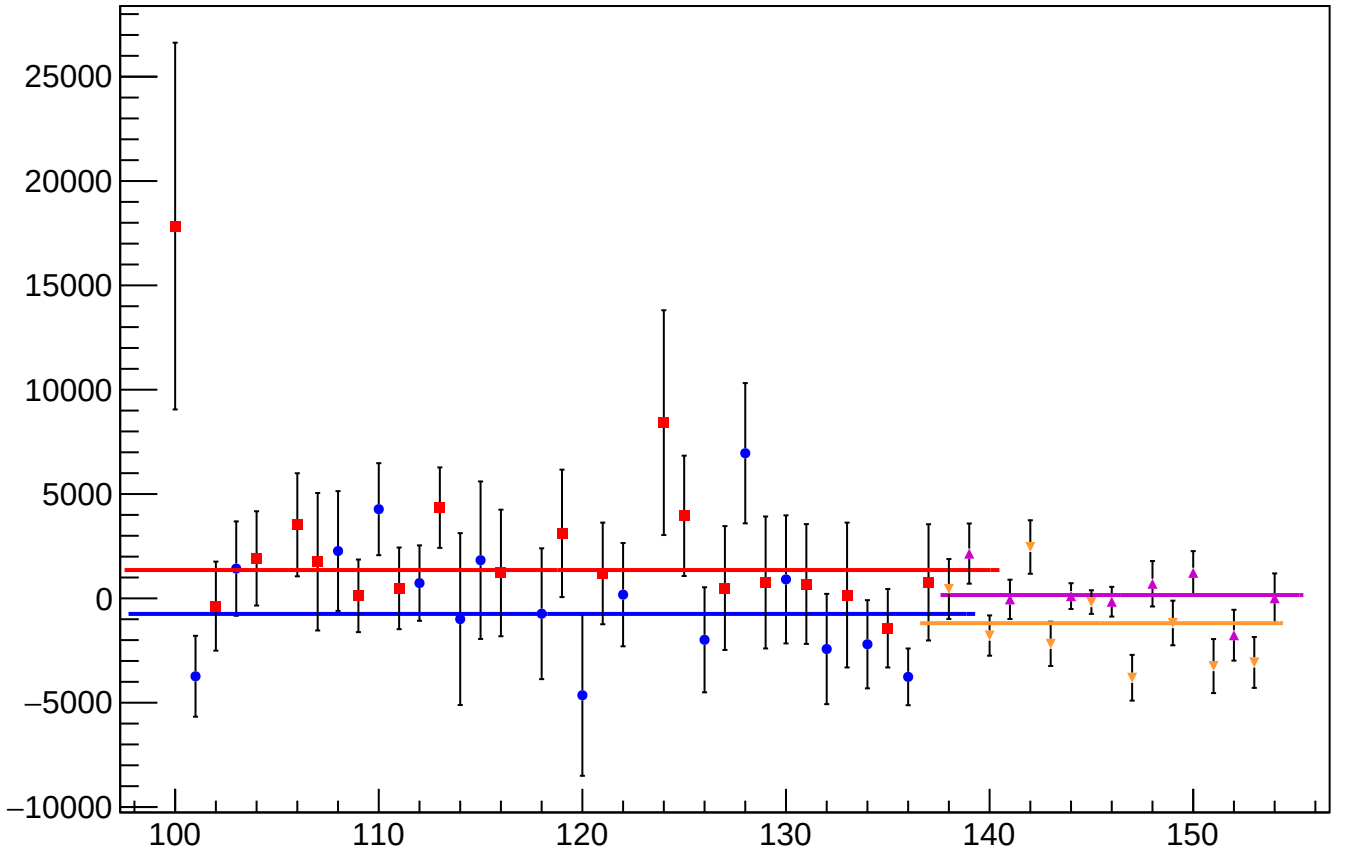
Left: 123.371+/-0.024 χ^2/NDF: 522492.8/16

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 129.508+/-0.025 χ^2/NDF:1353860.1/23

Out: 132.901+/-0.026 χ^2/NDF:1500947.5/27

All: 131.169+/-0.018 χ^2/NDF: 2863488.6/51



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: 159.218+/-326.977 χ^2/NDF:6.0/7

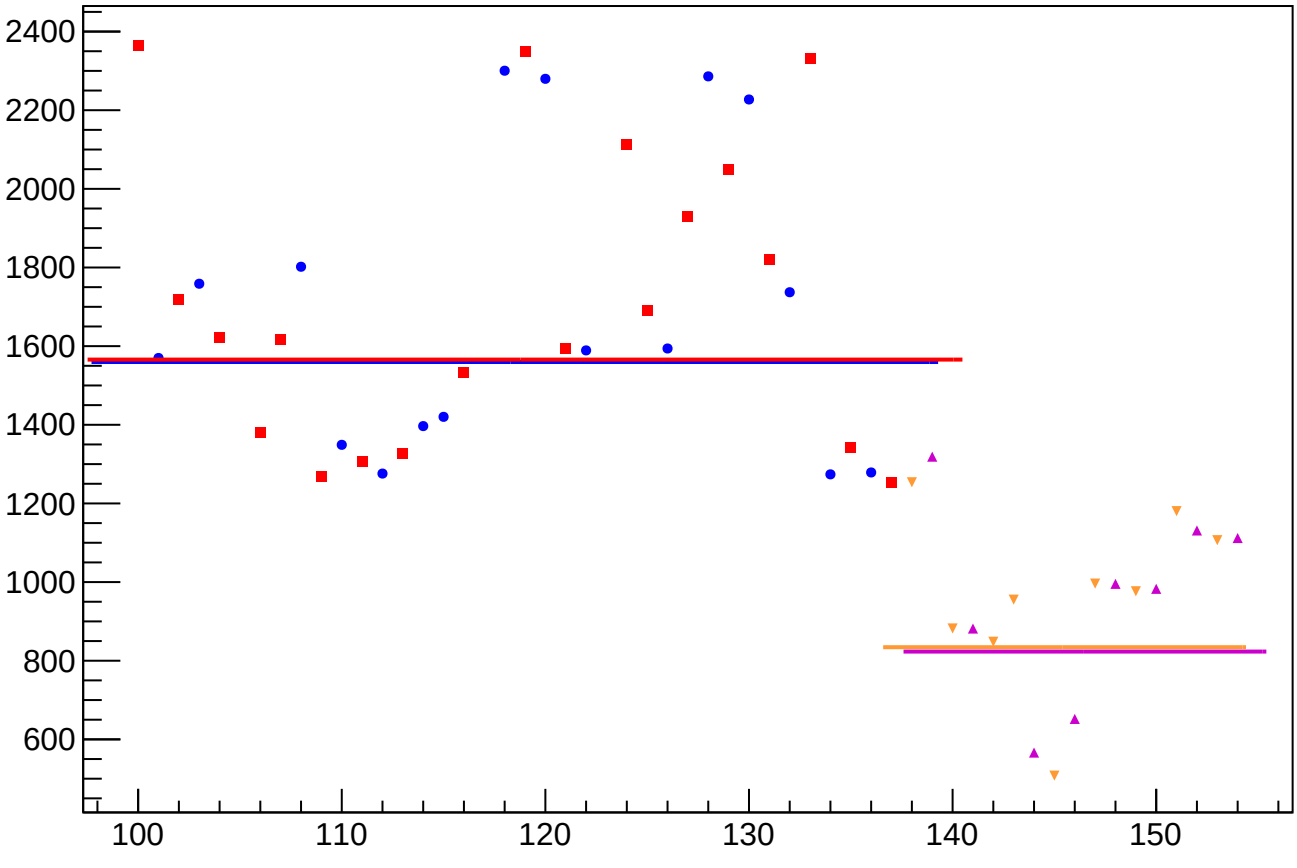
Left: -507.981+/-232.455 χ^2/NDF: 38.8/16

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -50.003+/-286.648 χ^2/NDF:31.2/23

Out: -574.559+/-287.871 χ^2/NDF:52.3/27

All: -311.165+/-203.122 χ^2/NDF: 85.2/51



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: 823.267+/-0.231 χ^2/NDF:1048672.5/7

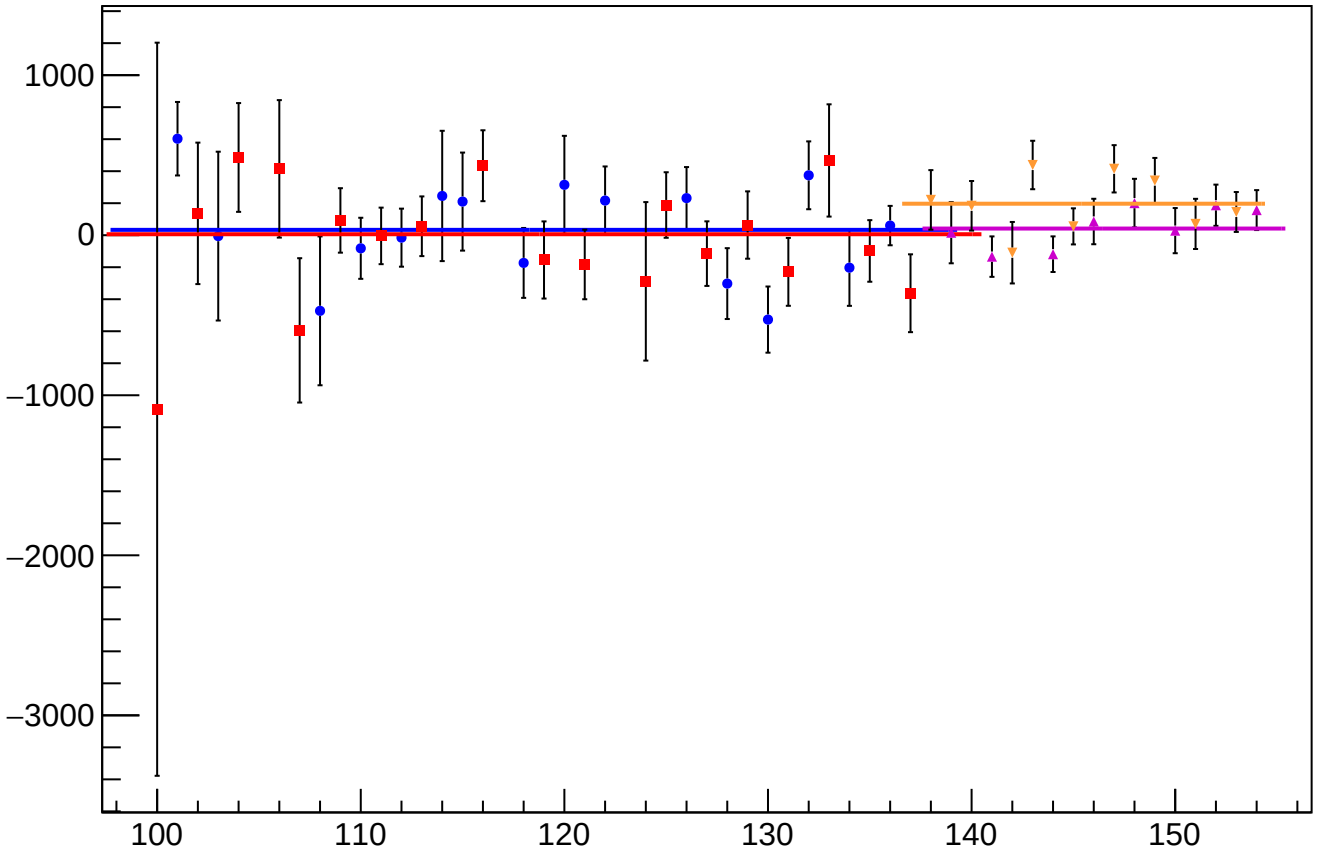
Left: 828.767+/-0.164 χ^2/NDF: 2239266.8/16

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 993.733+/-0.203 χ^2/NDF:4001360.6/23

Out: 1011.011+/-0.204 χ^2/NDF:4118243.1/27

All: 1002.336+/-0.144 χ^2/NDF: 8123221.4/51



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: 41.574+/-47.756 χ^2/NDF:7.4/7

Left: 117.564+/-34.118 χ^2/NDF: 23.3/16

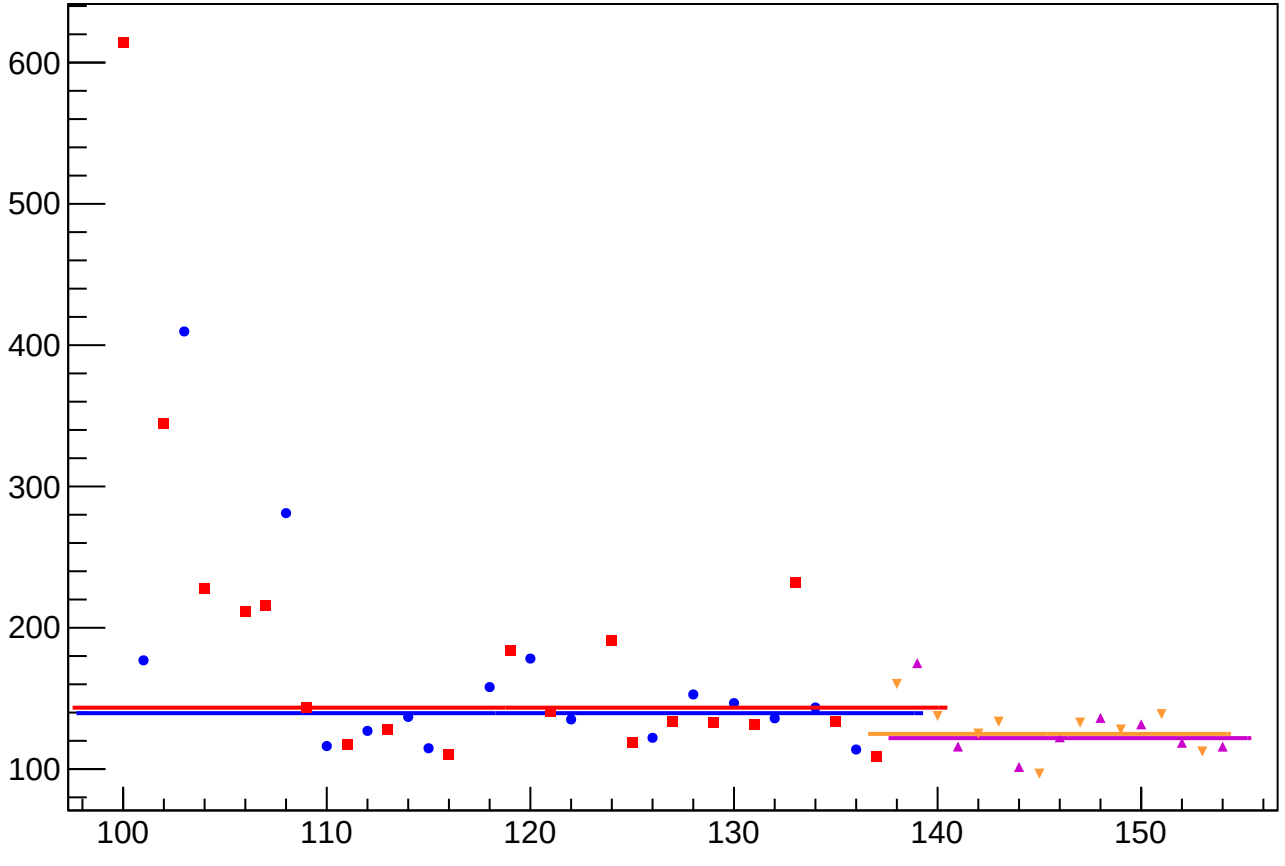
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 38.084+/-36.034 χ^2/NDF:32.5/23

Out: 114.709+/-36.800 χ^2/NDF:34.6/27

All: 75.590+/-25.746 χ^2/NDF: 69.4/51

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: 121.900+/-0.034 χ^2/NDF:259229.0/7

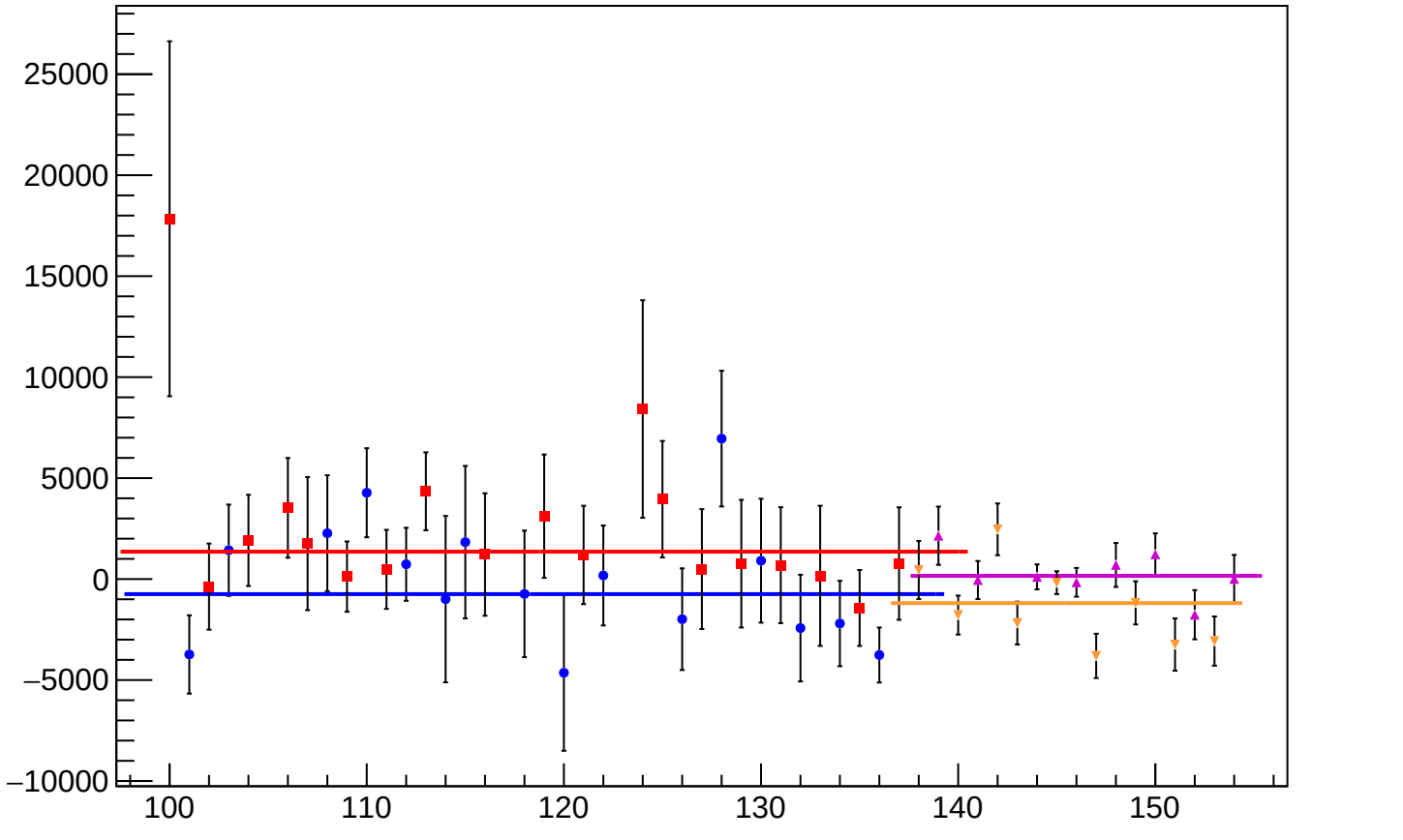
Left: 123.372+/-0.024 χ^2/NDF: 522494.0/16

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 129.508+/-0.025 χ^2/NDF:1353852.2/23

Out: 132.902+/-0.026 χ^2/NDF:1500953.9/27

All: 131.169+/-0.018 χ^2/NDF: 2863487.5/51



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: 159.217+/-326.977 χ^2/NDF:6.0/7

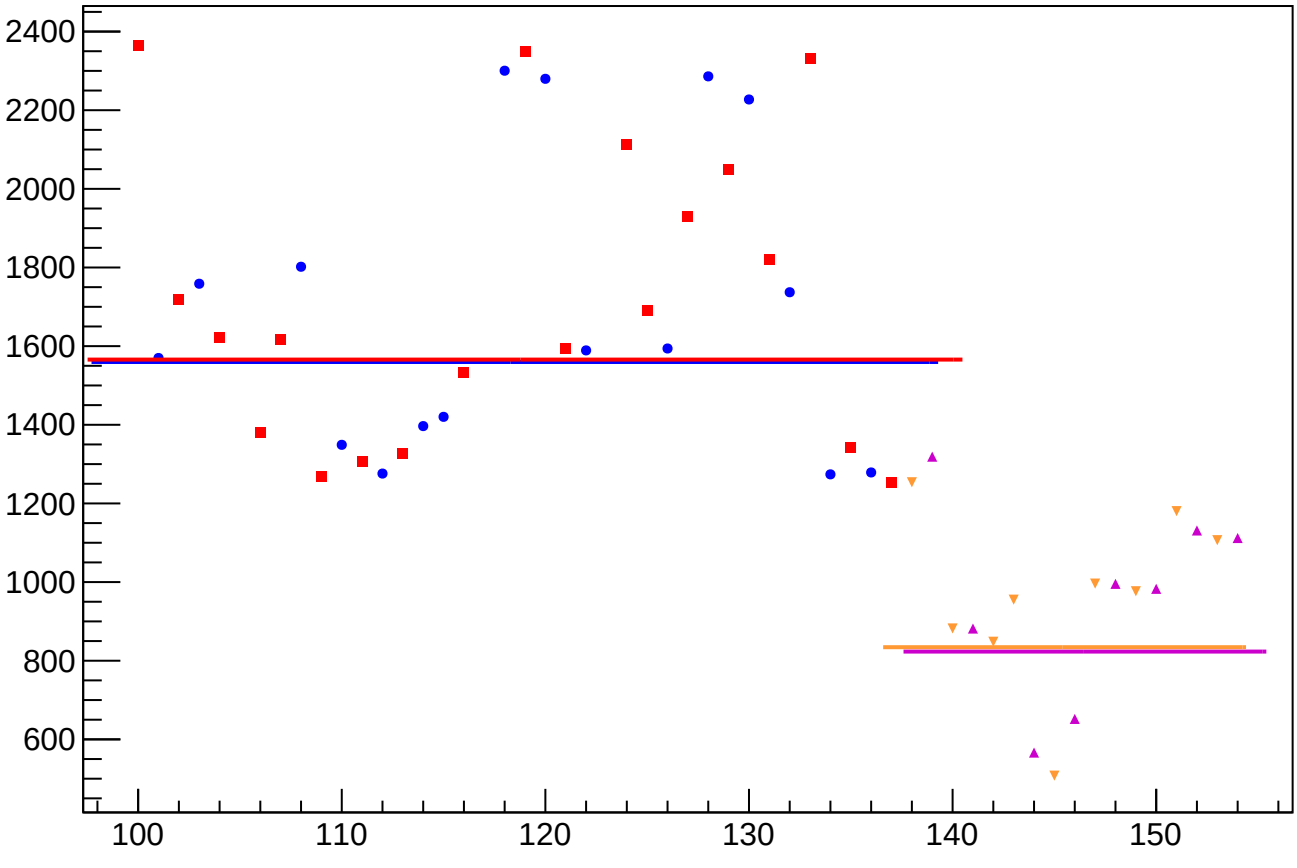
Left: -507.982+/-232.454 χ^2/NDF: 38.8/16

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -50.003+/-286.648 χ^2/NDF:31.2/23

Out: -574.560+/-287.870 χ^2/NDF:52.3/27

All: -311.165+/-203.122 χ^2/NDF: 85.2/51



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: 823.266+/-0.231 χ^2/NDF:1048670.6/7

Left: 828.766+/-0.164 χ^2/NDF: 2239263.4/16

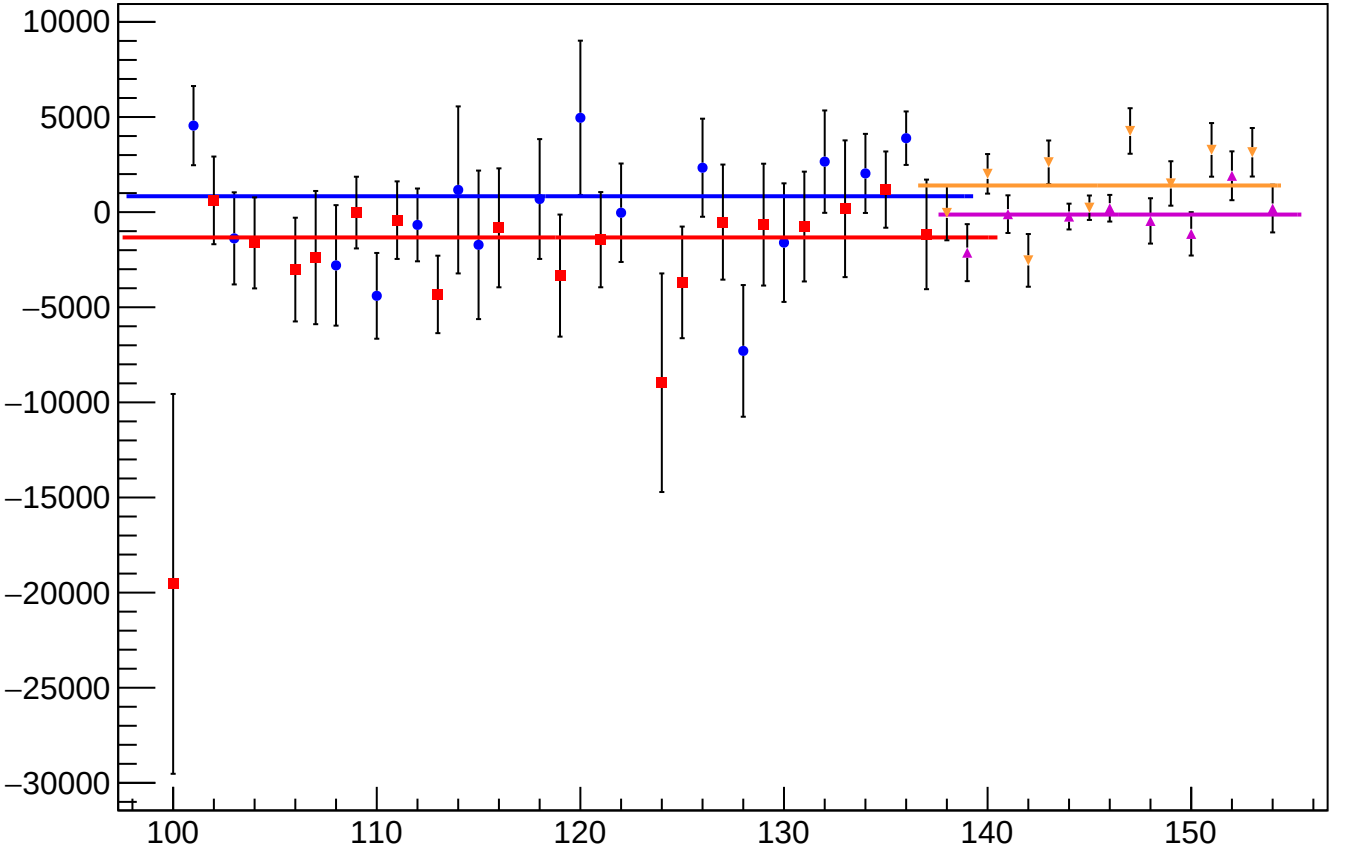
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 993.732+/-0.203 χ^2/NDF:4001359.6/23

Out: 1011.010+/-0.204 χ^2/NDF:4118237.9/27

All: 1002.334+/-0.144 χ^2/NDF: 8123215.2/51

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: -127.323+/-345.063 χ^2/NDF:5.5/7

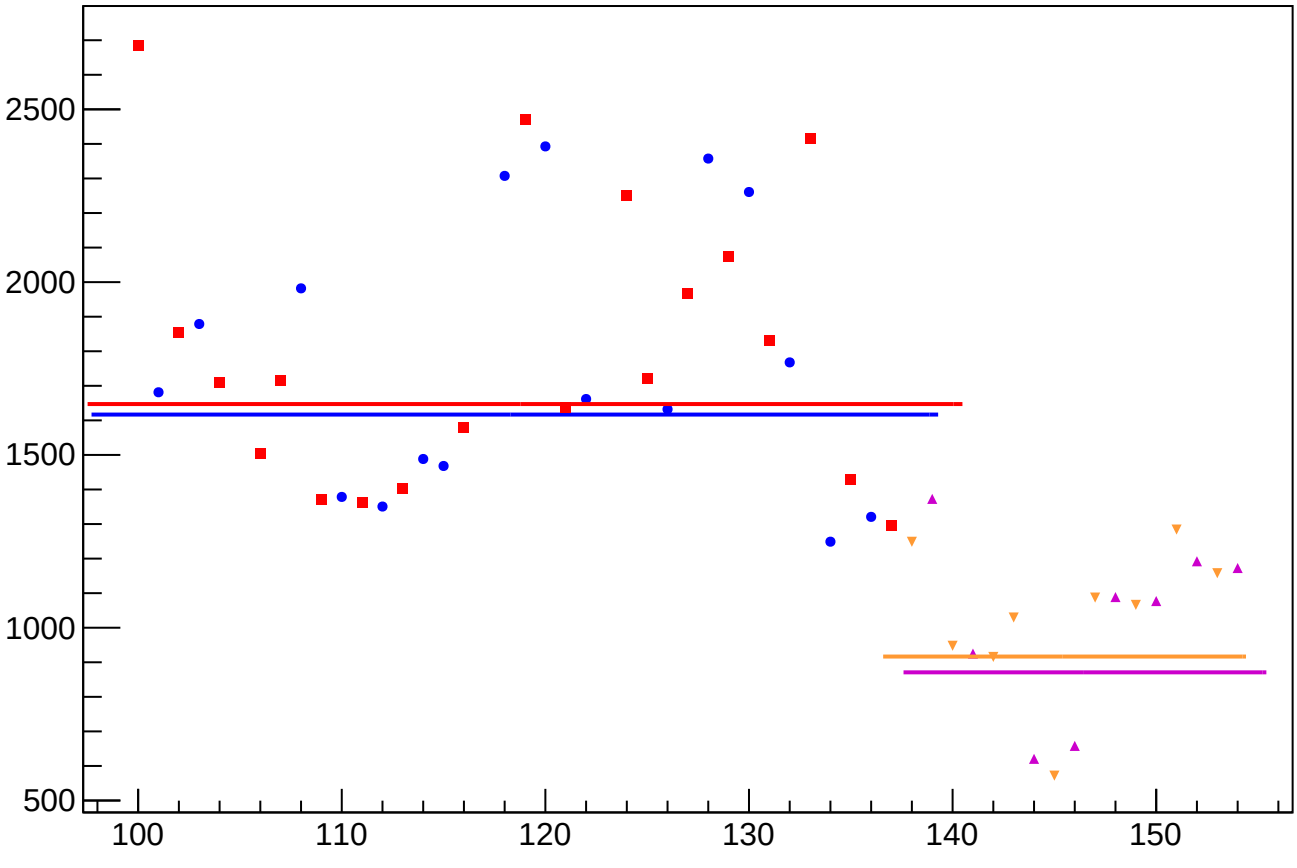
Left: 602.050+/-249.496 χ^2/NDF: 38.1/16

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 101.065+/-301.371 χ^2/NDF:32.2/23

Out: 703.267+/-311.620 χ^2/NDF:50.0/27

All: 392.100+/-216.634 χ^2/NDF: 84.1/51



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: 870.883+/-0.244 χ^2/NDF:1061572.1/7

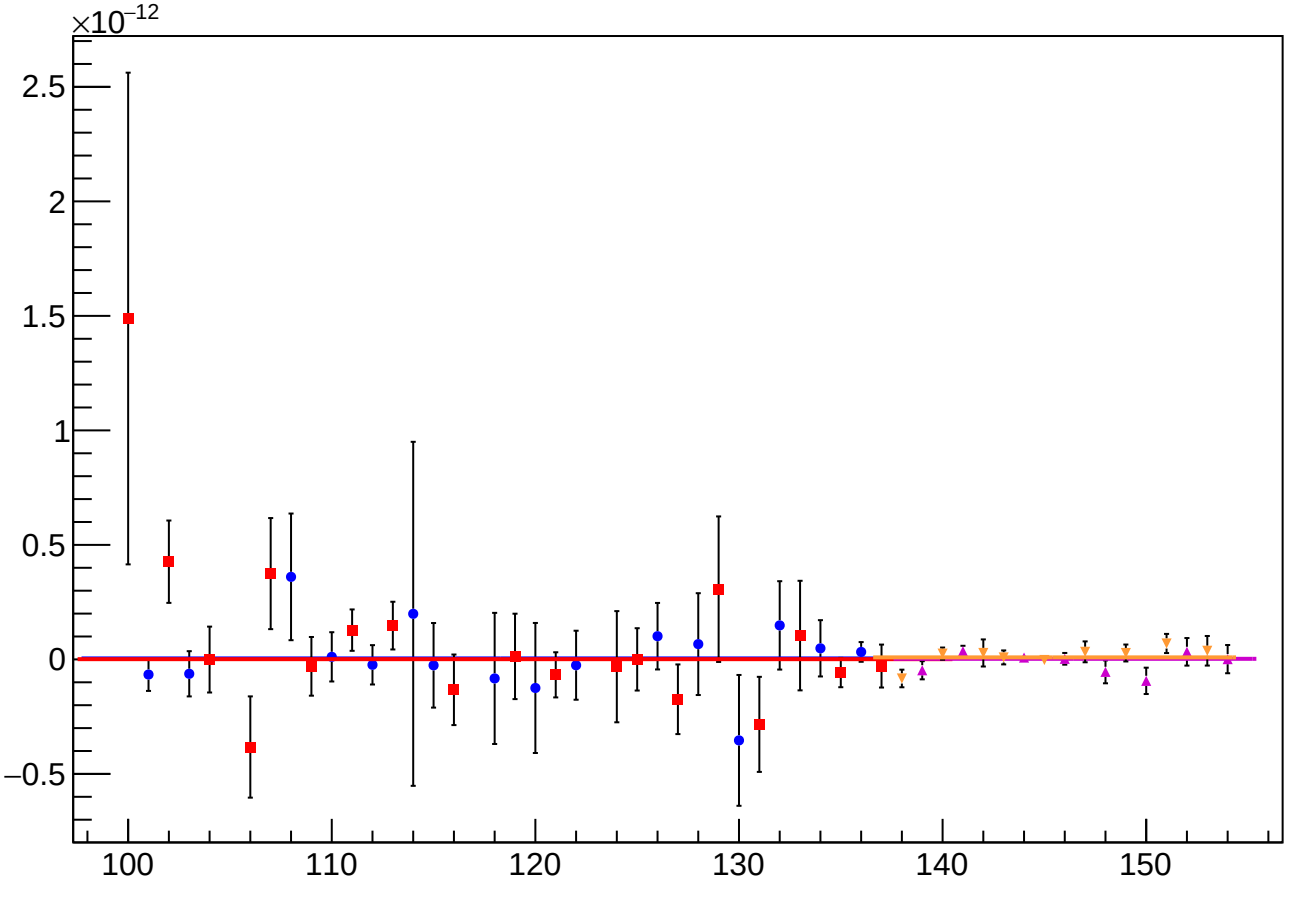
Left: 892.696+/-0.176 χ^2/NDF: 2063476.0/16

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1047.821+/-0.213 χ^2/NDF:3900758.2/23

Out: 1103.312+/-0.220 χ^2/NDF:3600704.1/27

All: 1074.639+/-0.153 χ^2/NDF: 7534231.6/51



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:8.0/7

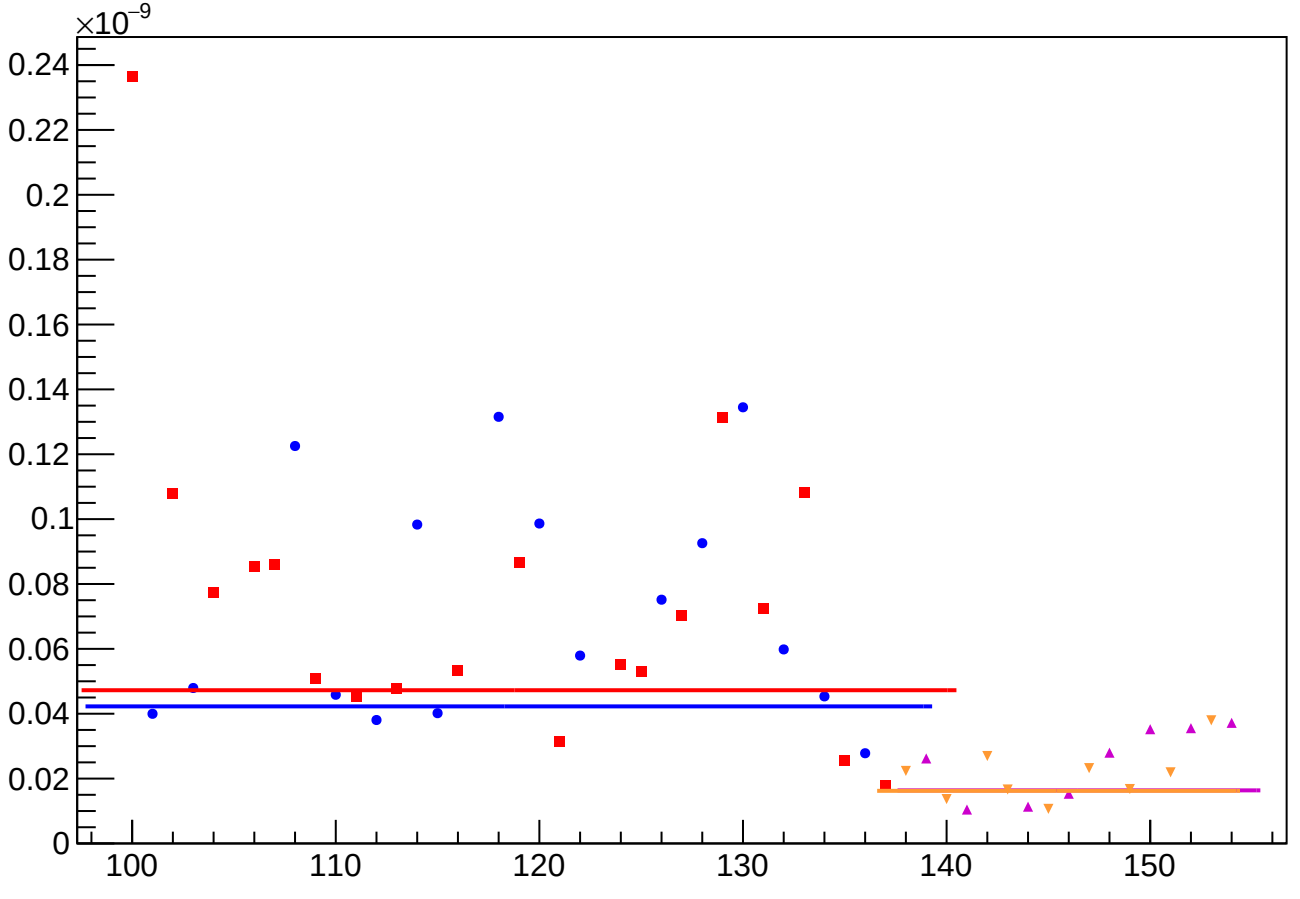
Left: 0.000+/-0.000 χ^2/NDF: 17.6/16

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:14.8/23

Out: 0.000+/-0.000 χ^2/NDF:33.0/27

All: 0.000+/-0.000 χ^2/NDF: 47.9/51



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:1158909.1/7

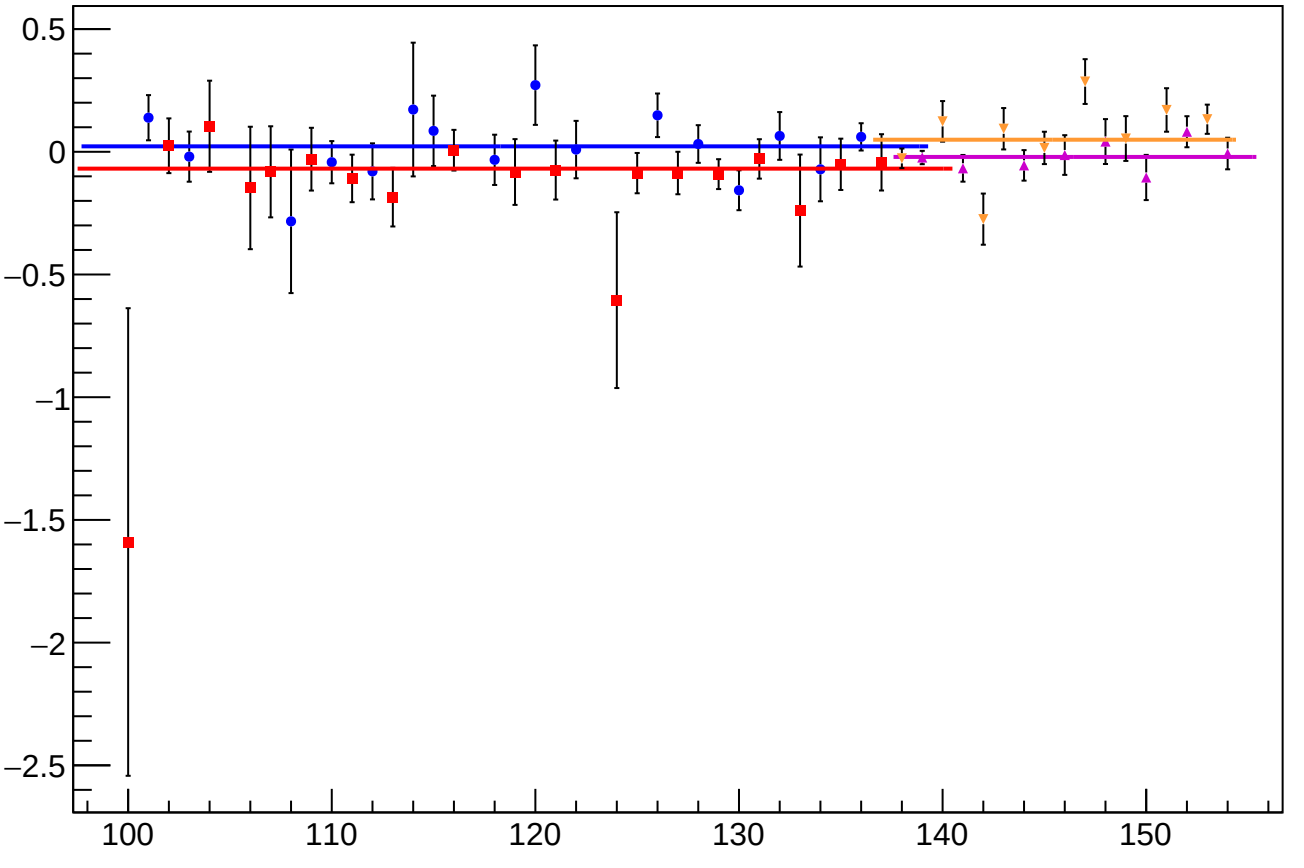
Left: 0.000+/-0.000 χ^2/NDF: 1787718.7/16

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:3859551.2/23

Out: 0.000+/-0.000 χ^2/NDF:3895681.6/27

All: 0.000+/-0.000 χ^2/NDF: 7755755.2/51



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: -0.021+/-0.019 χ^2/NDF:5.0/7

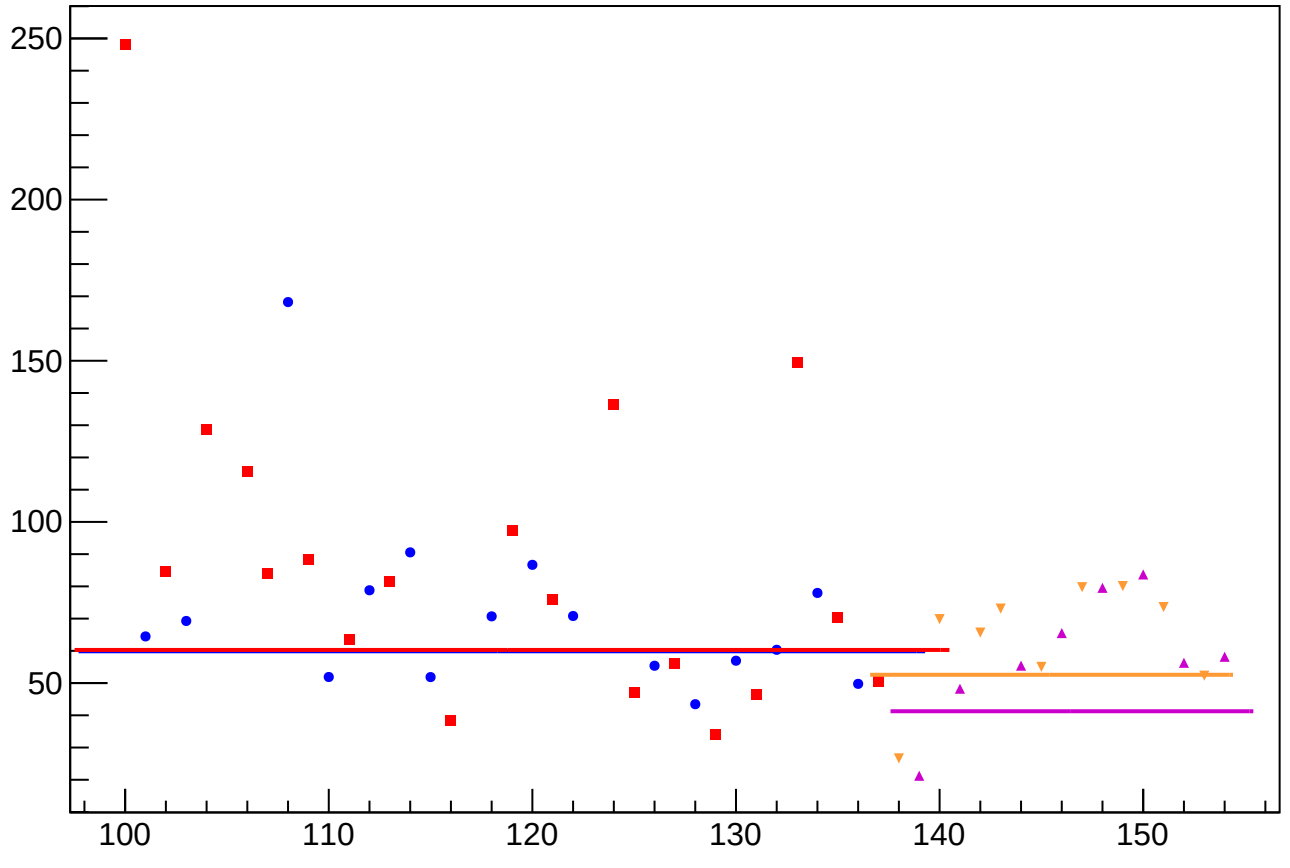
Left: 0.007+/-0.015 χ^2/NDF: 35.8/16

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/23

Out: -0.004+/-0.017 χ^2/NDF:46.7/27

All: -0.005+/-0.011 χ^2/NDF: 69.2/51



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: 41.259+/-0.013 χ^2/NDF:2428819.9/7

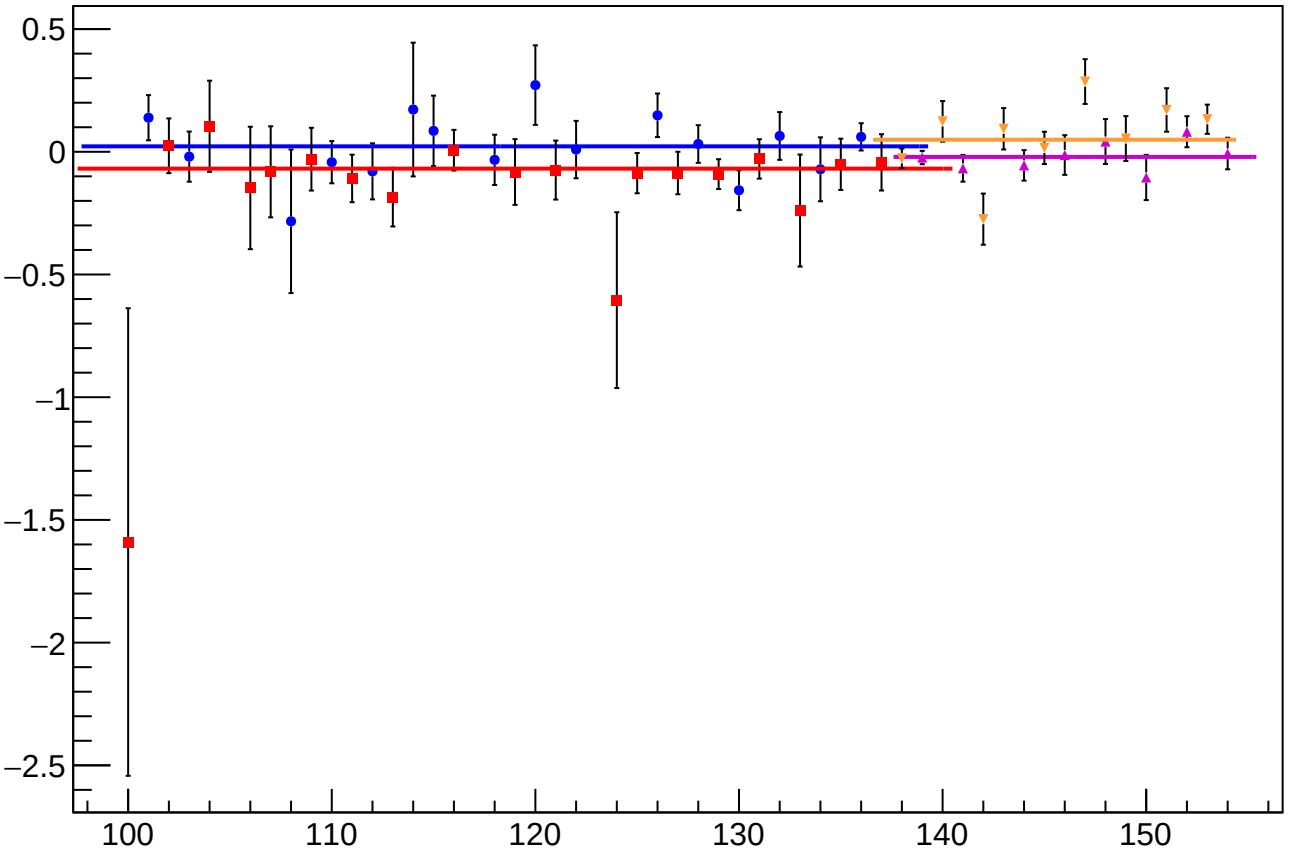
Left: 45.784+/-0.010 χ^2/NDF: 4279439.6/16

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 48.085+/-0.011 χ^2/NDF:3848009.5/23

Out: 56.064+/-0.012 χ^2/NDF:3639114.6/27

All: 51.560+/-0.008 χ^2/NDF: 7735400.6/51



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: -0.021+/-0.019 χ^2/NDF:5.0/7

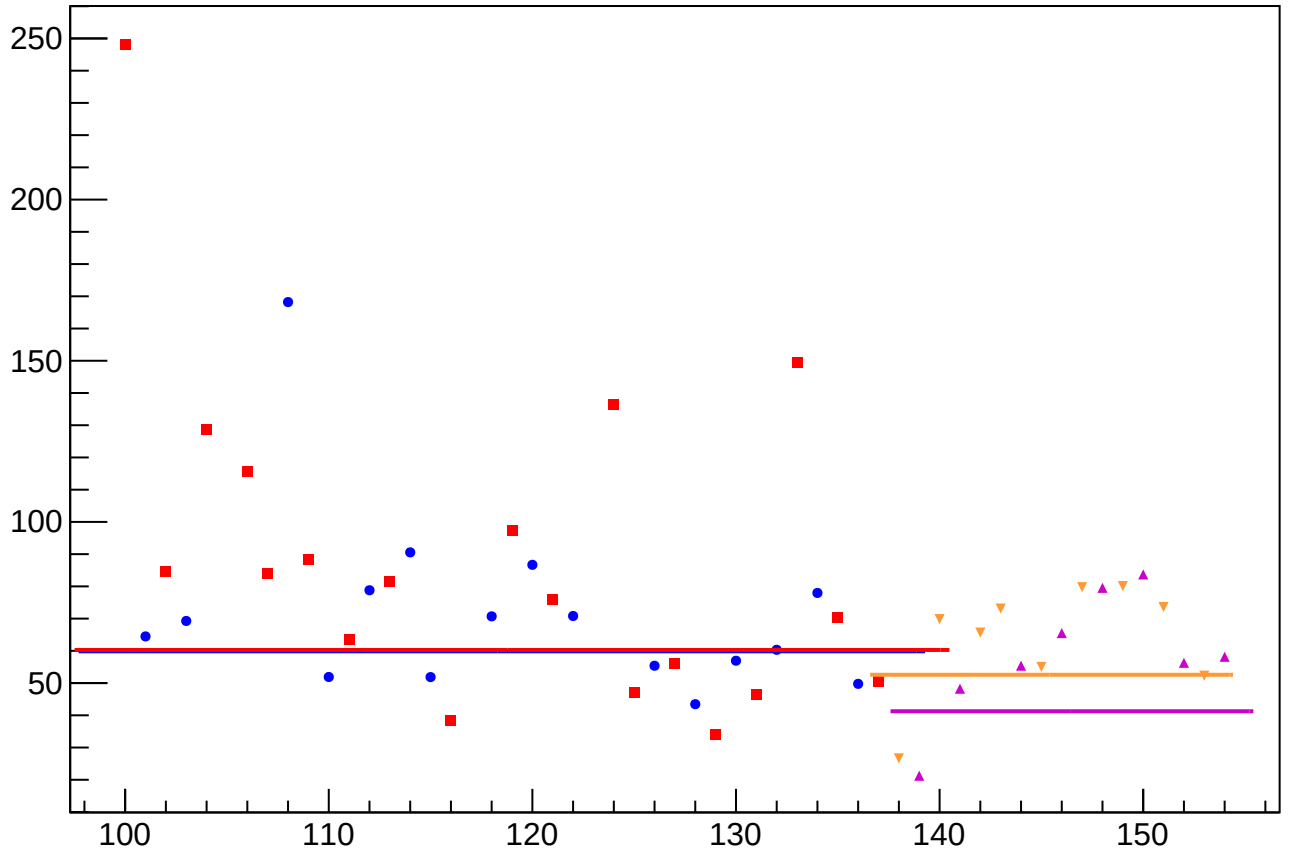
Left: 0.007+/-0.015 χ^2/NDF: 35.8/16

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/23

Out: -0.004+/-0.017 χ^2/NDF:46.7/27

All: -0.005+/-0.011 χ^2/NDF: 69.2/51



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: 41.259+/-0.013 χ^2/NDF:2428819.9/7

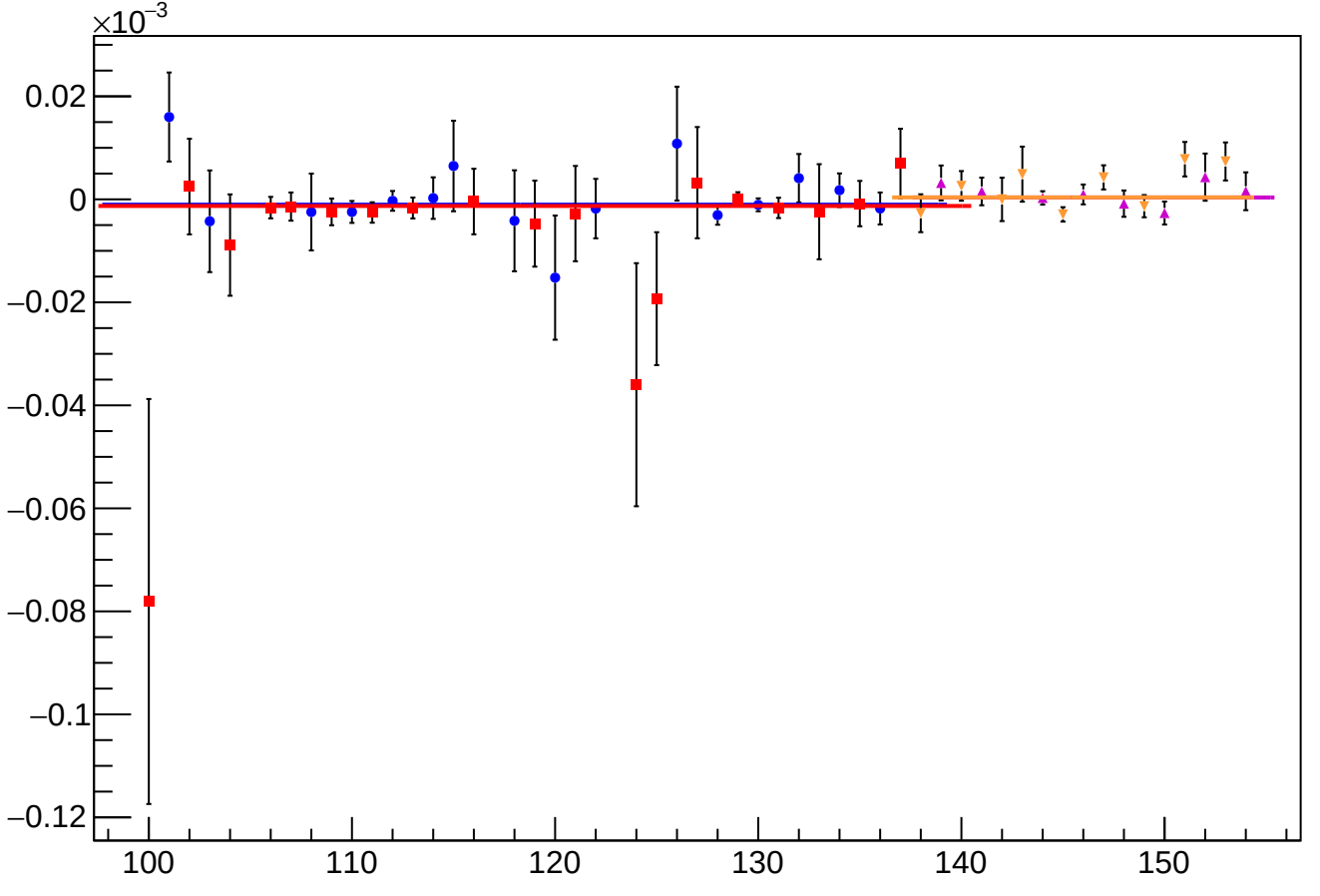
Left: 45.784+/-0.010 χ^2/NDF: 4279439.6/16

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 48.085+/-0.011 χ^2/NDF:3848009.5/23

Out: 56.064+/-0.012 χ^2/NDF:3639114.6/27

All: 51.560+/-0.008 χ^2/NDF: 7735400.6/51



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:3.9/7

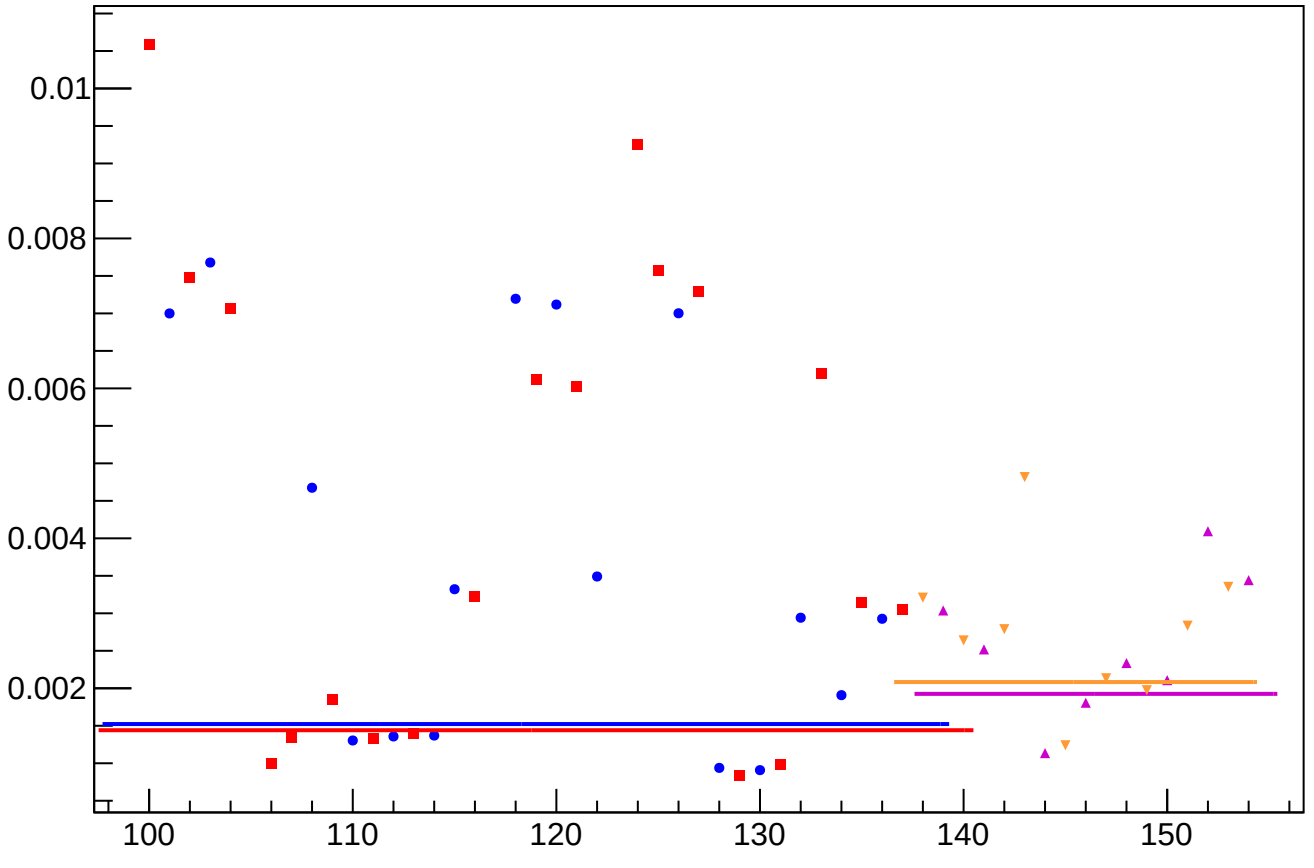
Left: 0.000+/-0.000 χ^2/NDF: 23.3/16

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:16.8/23

Out: -0.000+/-0.000 χ^2/NDF:34.1/27

All: -0.000+/-0.000 χ^2/NDF: 51.1/51



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:1906328.0/7

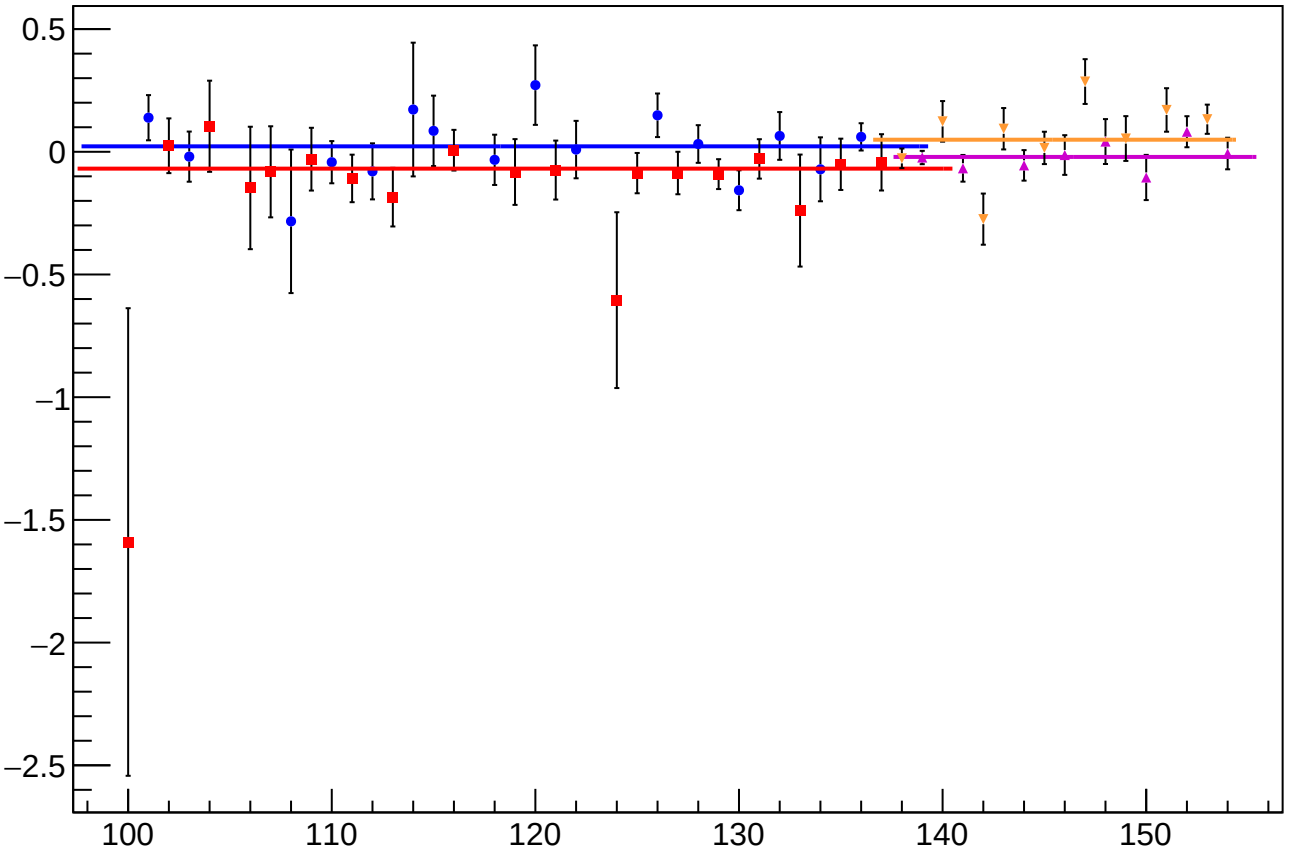
Left: 0.002+/-0.000 χ^2/NDF: 3854159.2/16

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:7362046.0/23

Out: 0.002+/-0.000 χ^2/NDF:8374415.1/27

All: 0.002+/-0.000 χ^2/NDF: 15736887.1/51



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: -0.021+/-0.019 χ^2/NDF:5.0/7

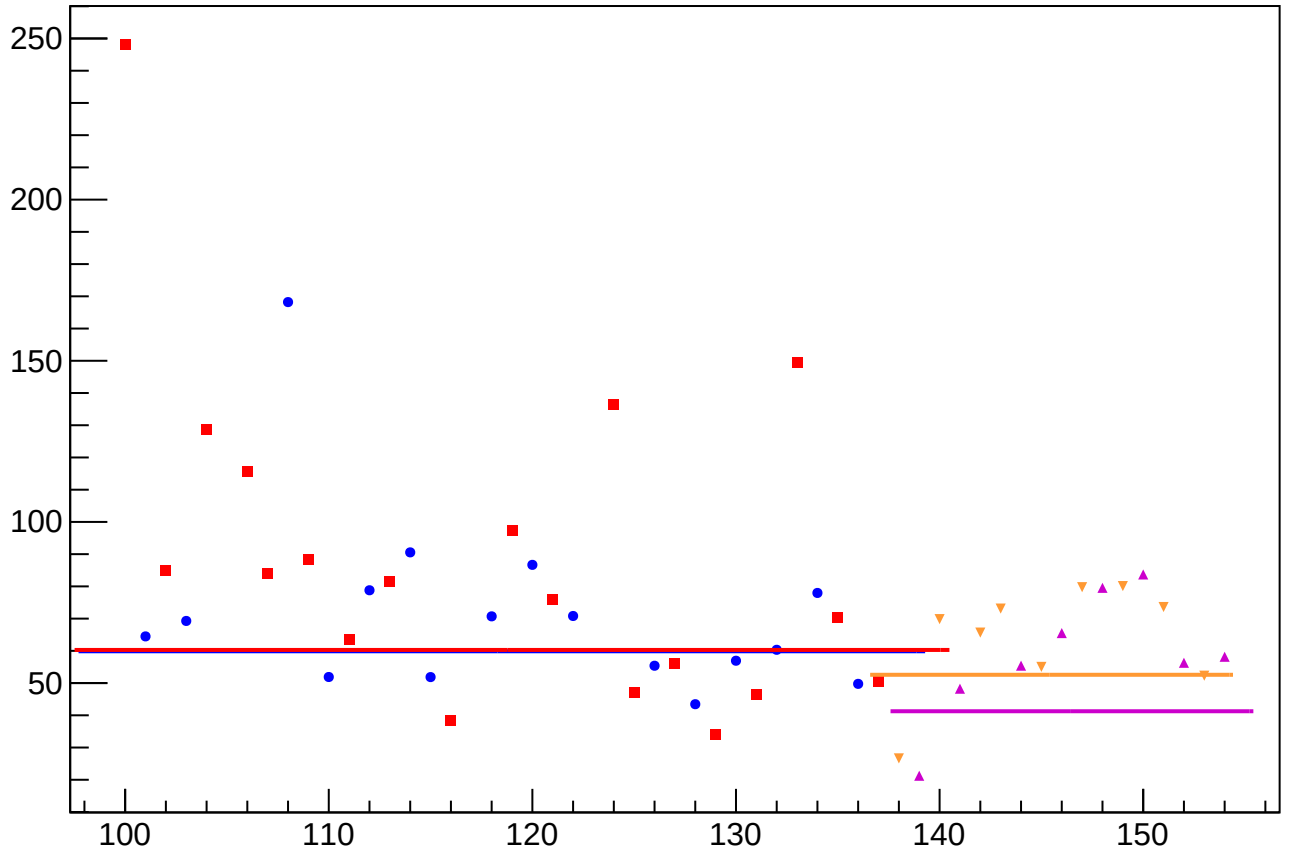
Left: 0.007+/-0.015 χ^2/NDF: 35.8/16

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/23

Out: -0.004+/-0.017 χ^2/NDF:46.7/27

All: -0.005+/-0.011 χ^2/NDF: 69.2/51



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: 41.258+/-0.013 χ^2/NDF:2429175.5/7

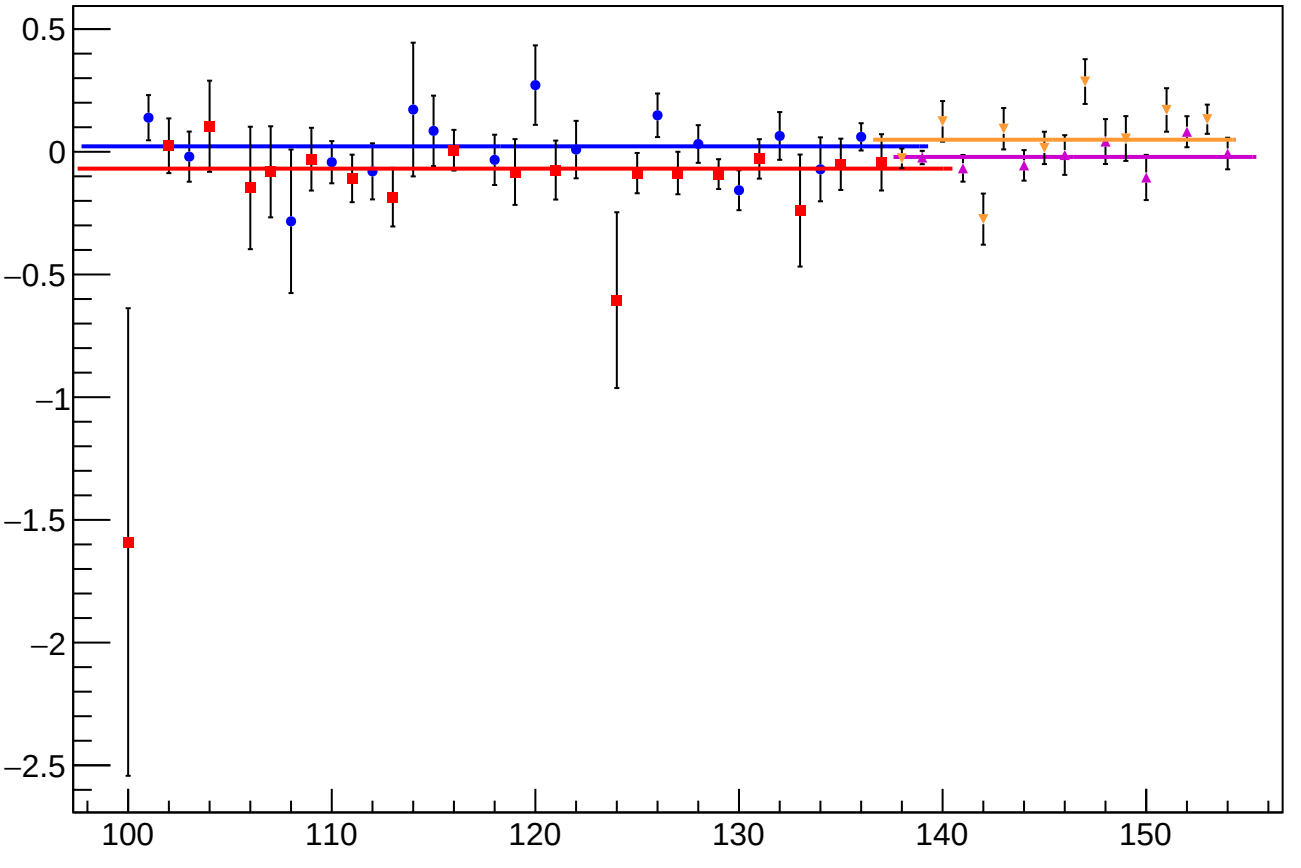
Left: 45.783+/-0.010 χ^2/NDF: 4280137.9/16

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 48.085+/-0.011 χ^2/NDF:3848552.3/23

Out: 56.064+/-0.012 χ^2/NDF:3639547.3/27

All: 51.560+/-0.008 χ^2/NDF: 7736396.6/51



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: -0.021+/-0.019 χ^2/NDF:5.0/7

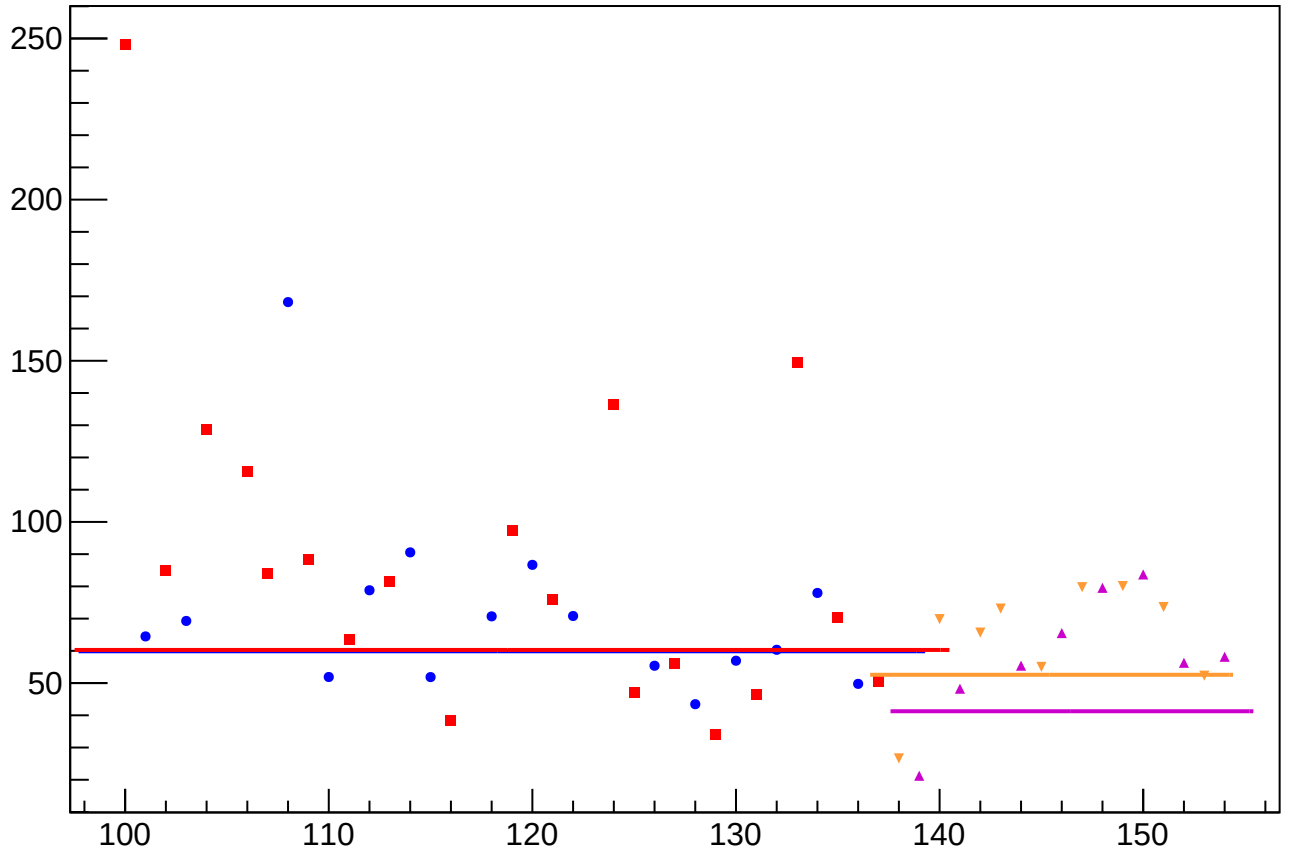
Left: 0.007+/-0.015 χ^2/NDF: 35.8/16

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/23

Out: -0.004+/-0.017 χ^2/NDF:46.7/27

All: -0.005+/-0.011 χ^2/NDF: 69.2/51



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: 41.258+/-0.013 χ^2/NDF:2429175.5/7

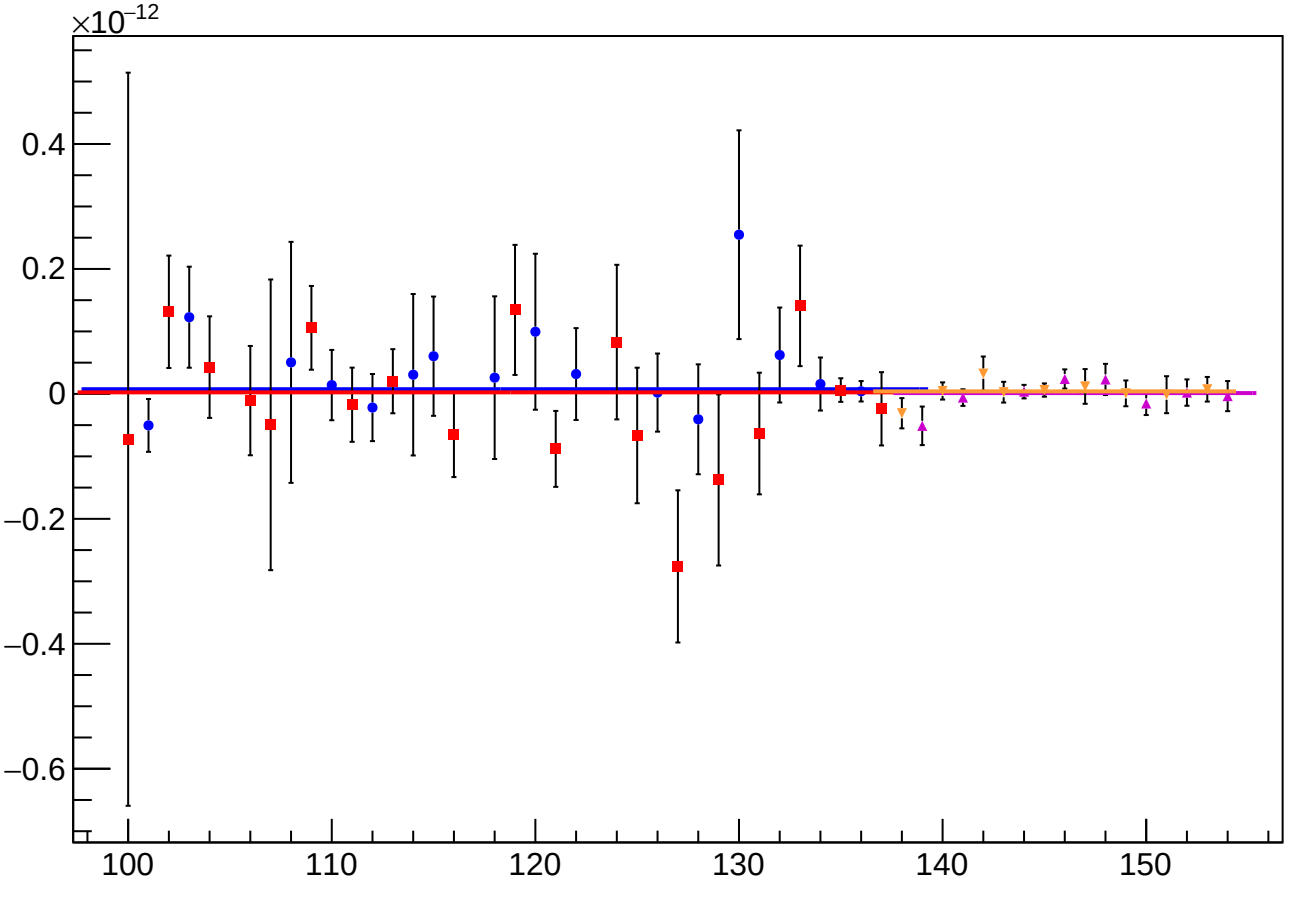
Left: 45.783+/-0.010 χ^2/NDF: 4280137.9/16

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 48.085+/-0.011 χ^2/NDF:3848552.3/23

Out: 56.064+/-0.012 χ^2/NDF:3639547.3/27

All: 51.560+/-0.008 χ^2/NDF: 7736396.6/51



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:7.0/7

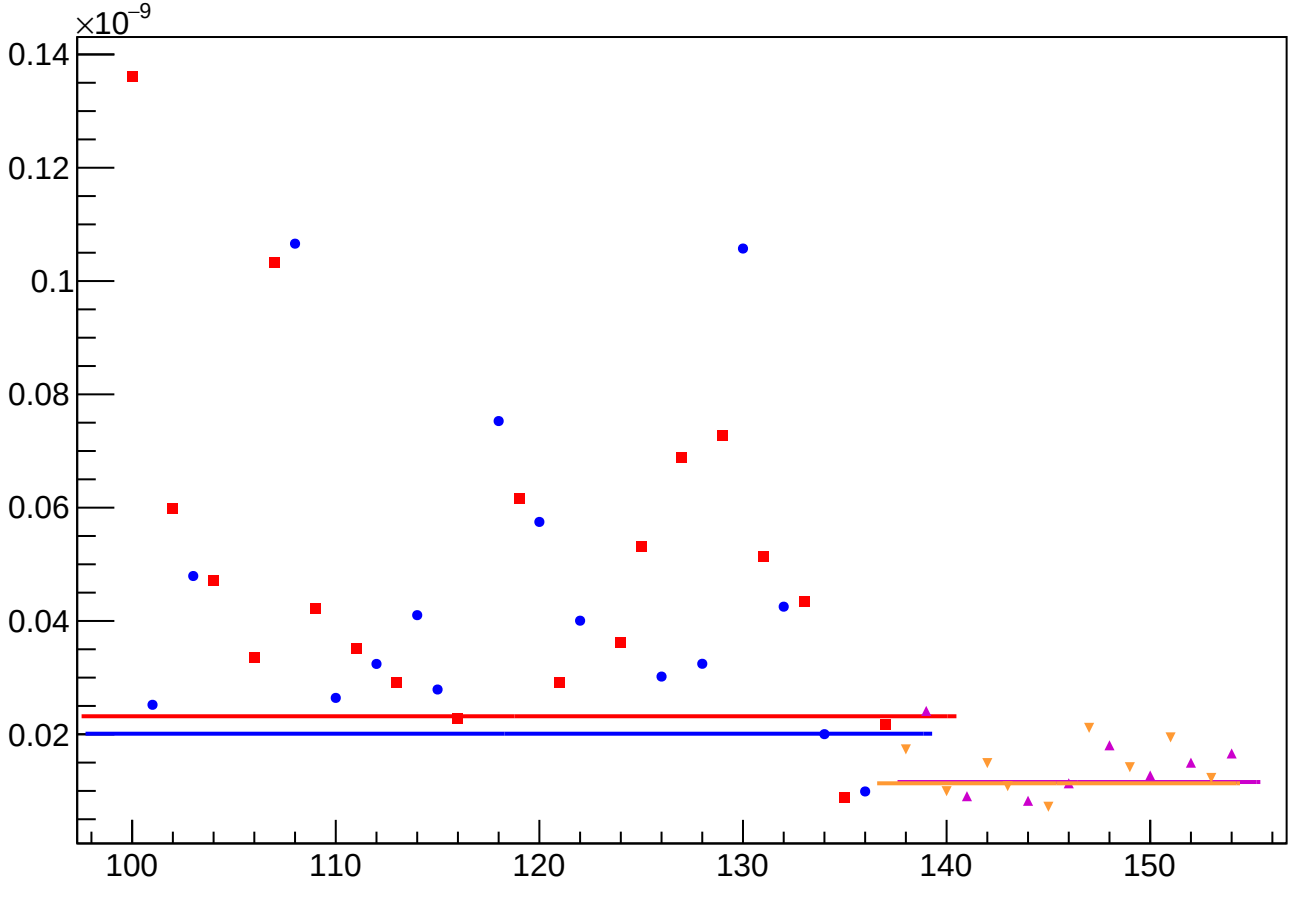
Left: 0.000+/-0.000 χ^2/NDF: 10.5/16

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:15.6/23

Out: 0.000+/-0.000 χ^2/NDF:23.1/27

All: 0.000+/-0.000 χ^2/NDF: 38.7/51



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:870804.9/7

Left: 0.000+/-0.000 χ^2/NDF: 1794911.0/16

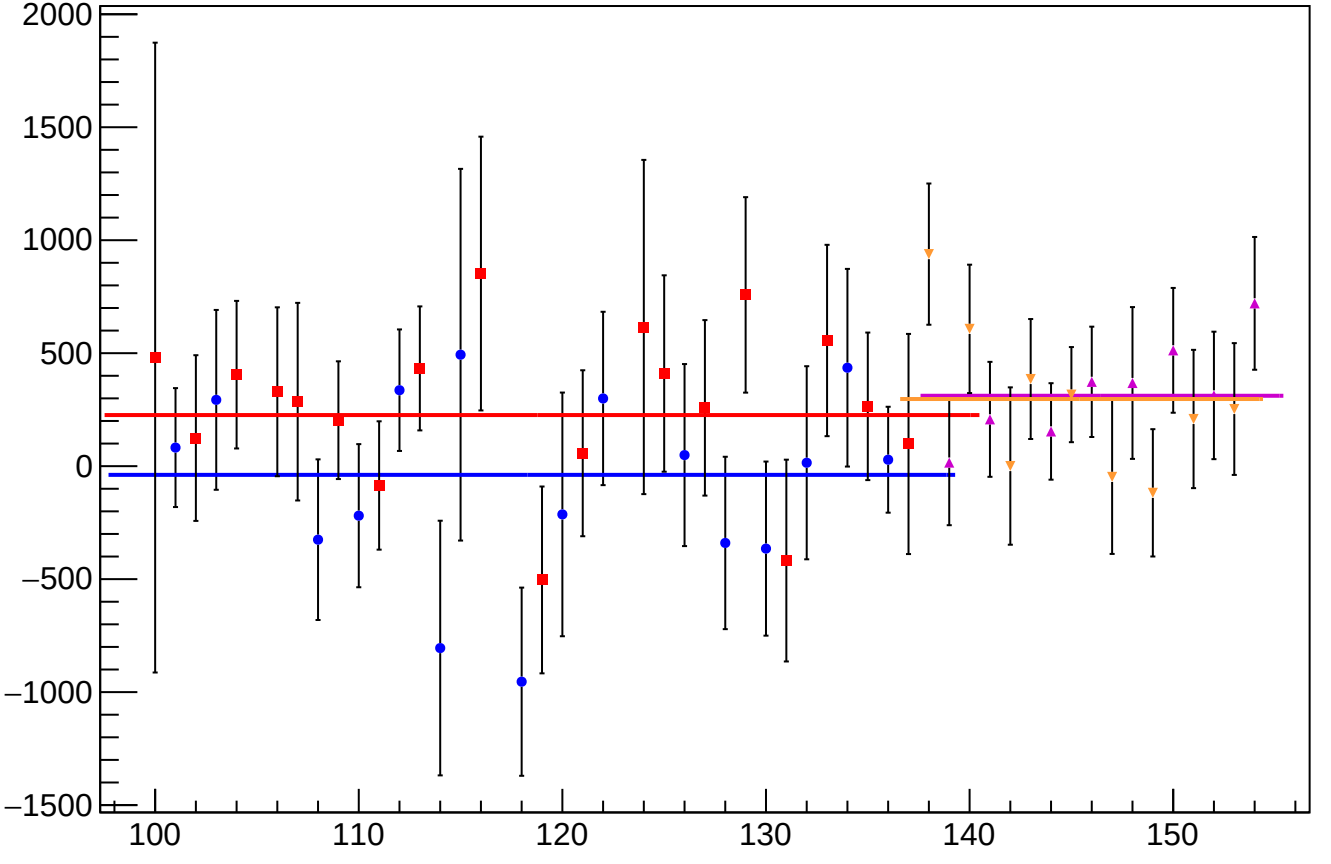
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4785733.5/23

Out: 0.000+/-0.000 χ^2/NDF:5736162.8/27

All: 0.000+/-0.000 χ^2/NDF: 10521927.7/51

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: 311.568+/-93.941 χ^2/NDF:4.4/7

Left: 304.422+/-66.726 χ^2/NDF: 14.0/16

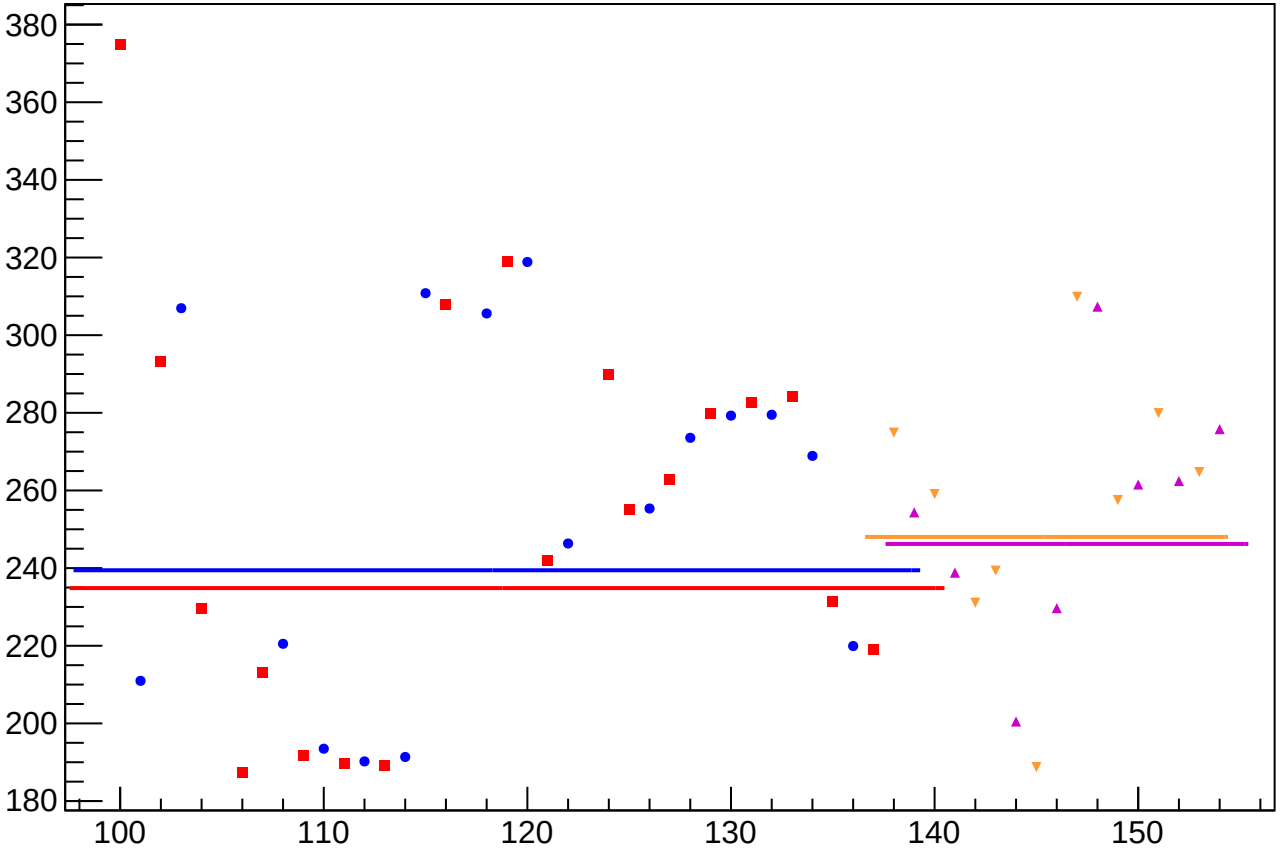
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 130.236+/-65.220 χ^2/NDF:26.1/23

Out: 258.984+/-64.458 χ^2/NDF:21.3/27

All: 195.367+/-45.846 χ^2/NDF: 49.3/51

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: 246.224+/-0.066 χ^2/NDF:203614.0/7

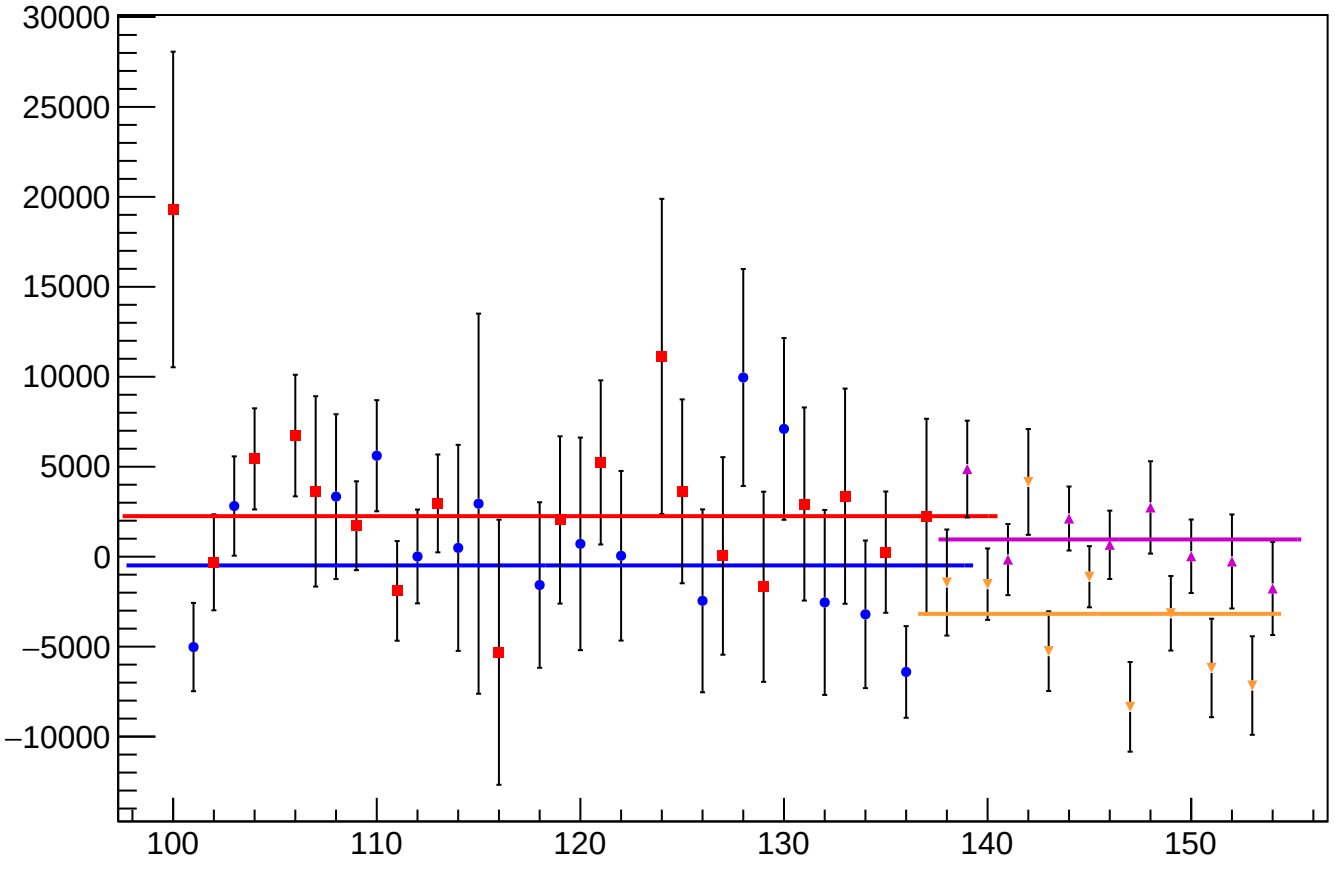
Left: 247.118+/-0.047 χ^2/NDF: 483714.0/16

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 242.714+/-0.046 χ^2/NDF:609957.9/23

Out: 240.946+/-0.046 χ^2/NDF:782217.5/27

All: 241.820+/-0.032 χ^2/NDF: 1392919.6/51



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: 957.713+/-772.773 χ^2/NDF:4.9/7

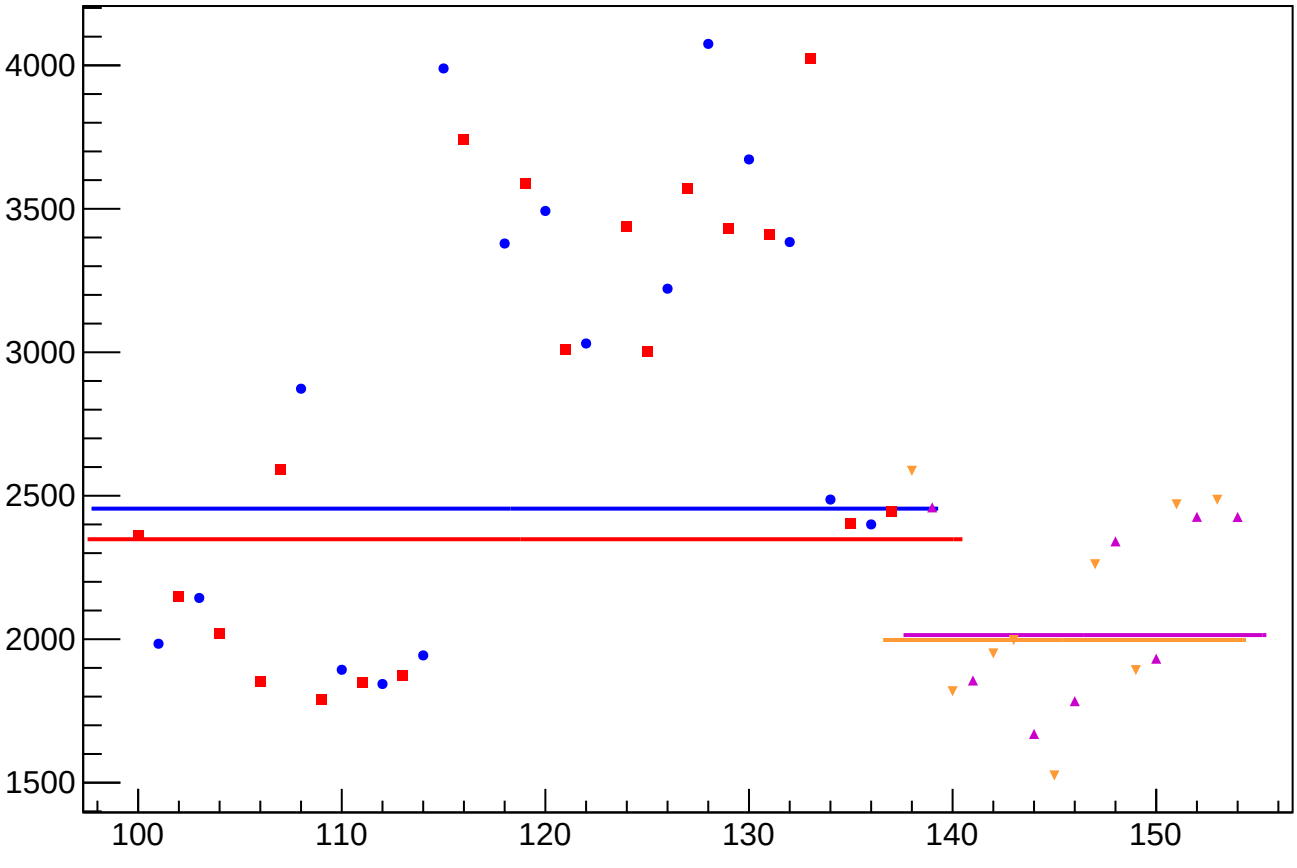
Left: -1122.757+/-544.736 χ^2/NDF: 36.5/16

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 380.993+/-598.842 χ^2/NDF:27.4/23

Out: -872.635+/-582.602 χ^2/NDF:52.3/27

All: -263.050+/-417.585 χ^2/NDF: 82.0/51



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: 2014.415+/-0.546 χ^2/NDF:307865.5/7

Left: 2005.789+/-0.385 χ^2/NDF: 710382.5/16

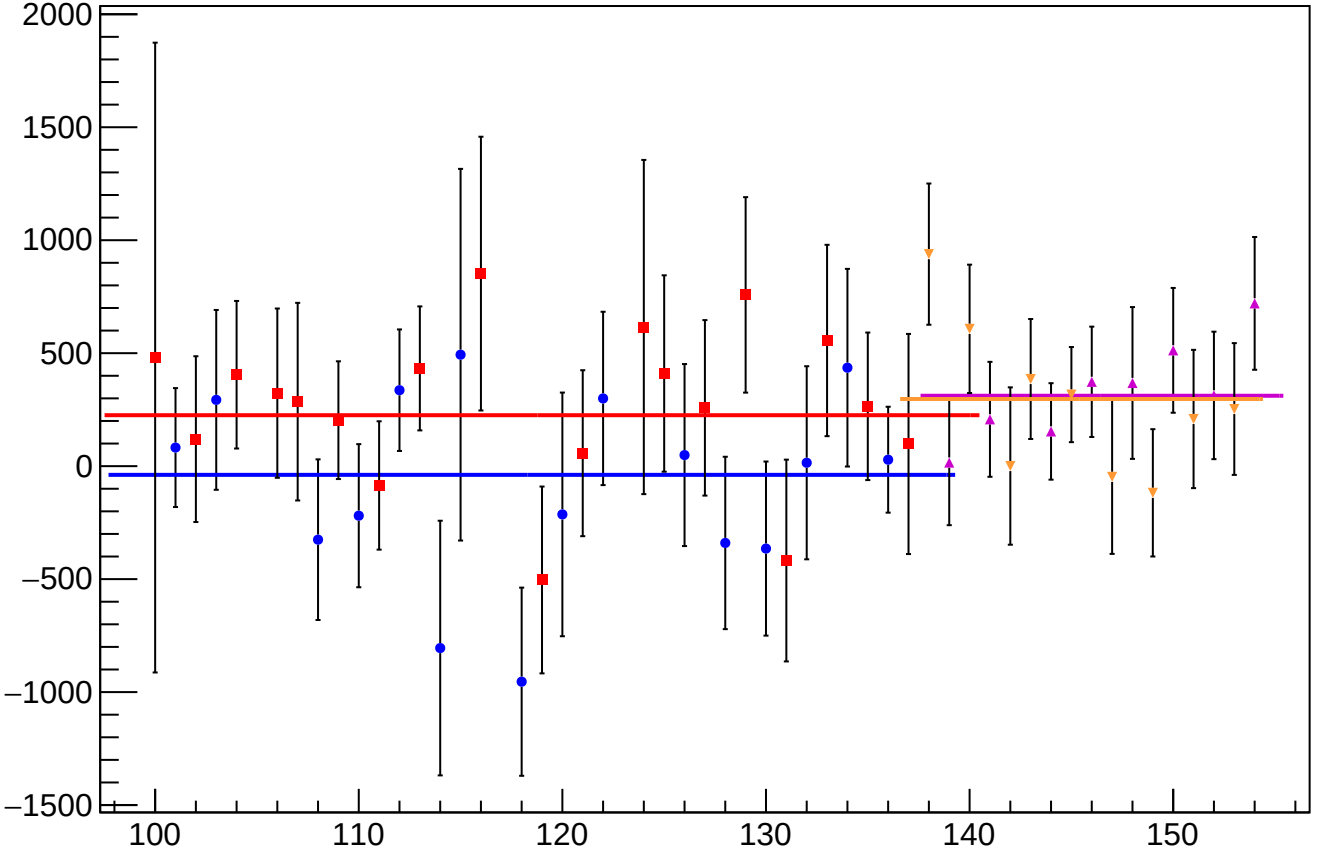
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2190.465+/-0.423 χ^2/NDF:1462087.2/23

Out: 2146.353+/-0.412 χ^2/NDF:1631970.5/27

All: 2167.803+/-0.295 χ^2/NDF: 3099632.8/51

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: 311.569+/-93.941 χ^2/NDF:4.4/7

Left: 304.435+/-66.726 χ^2/NDF: 14.0/16

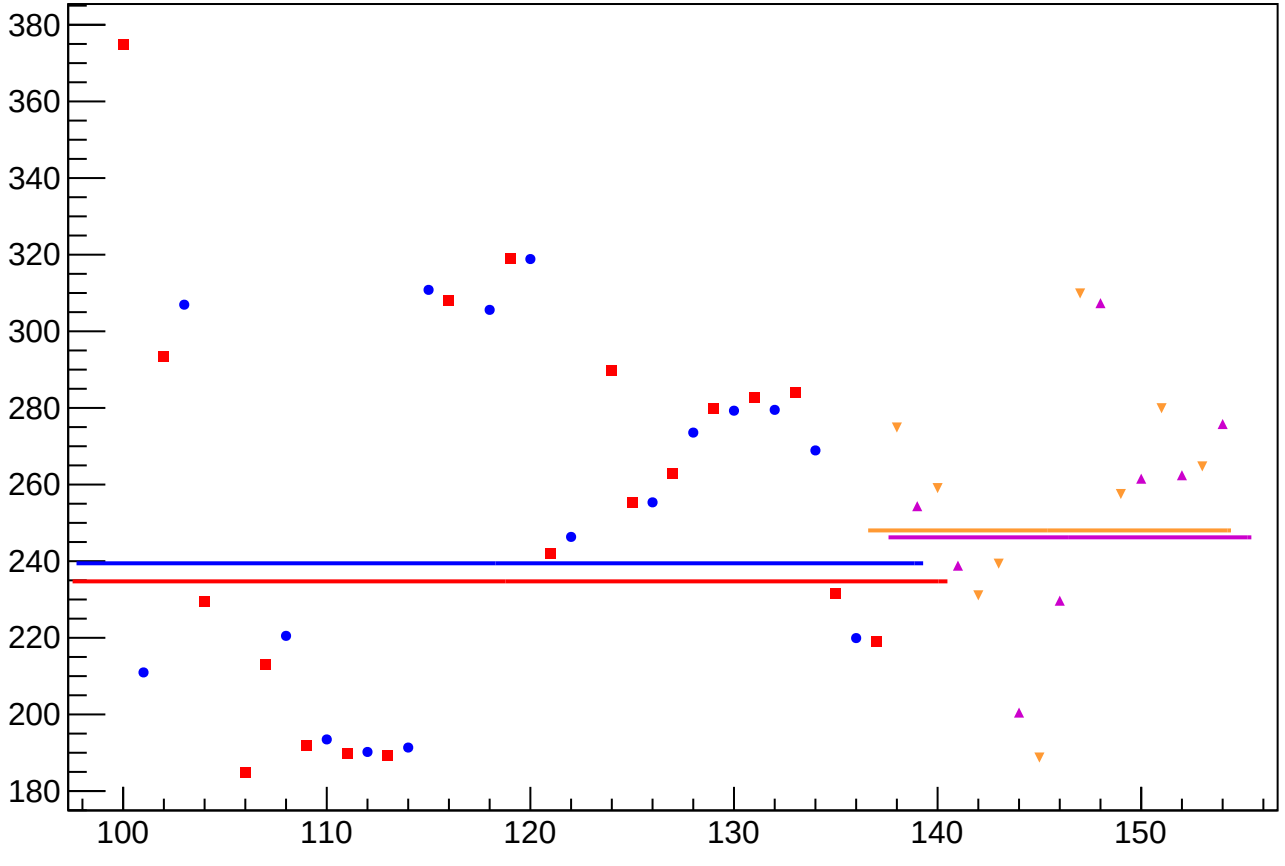
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 130.225+/-65.220 χ^2/NDF:26.1/23

Out: 258.650+/-64.463 χ^2/NDF:21.3/27

All: 195.187+/-45.848 χ^2/NDF: 49.3/51

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: 246.224+/-0.066 χ^2/NDF:203614.1/7

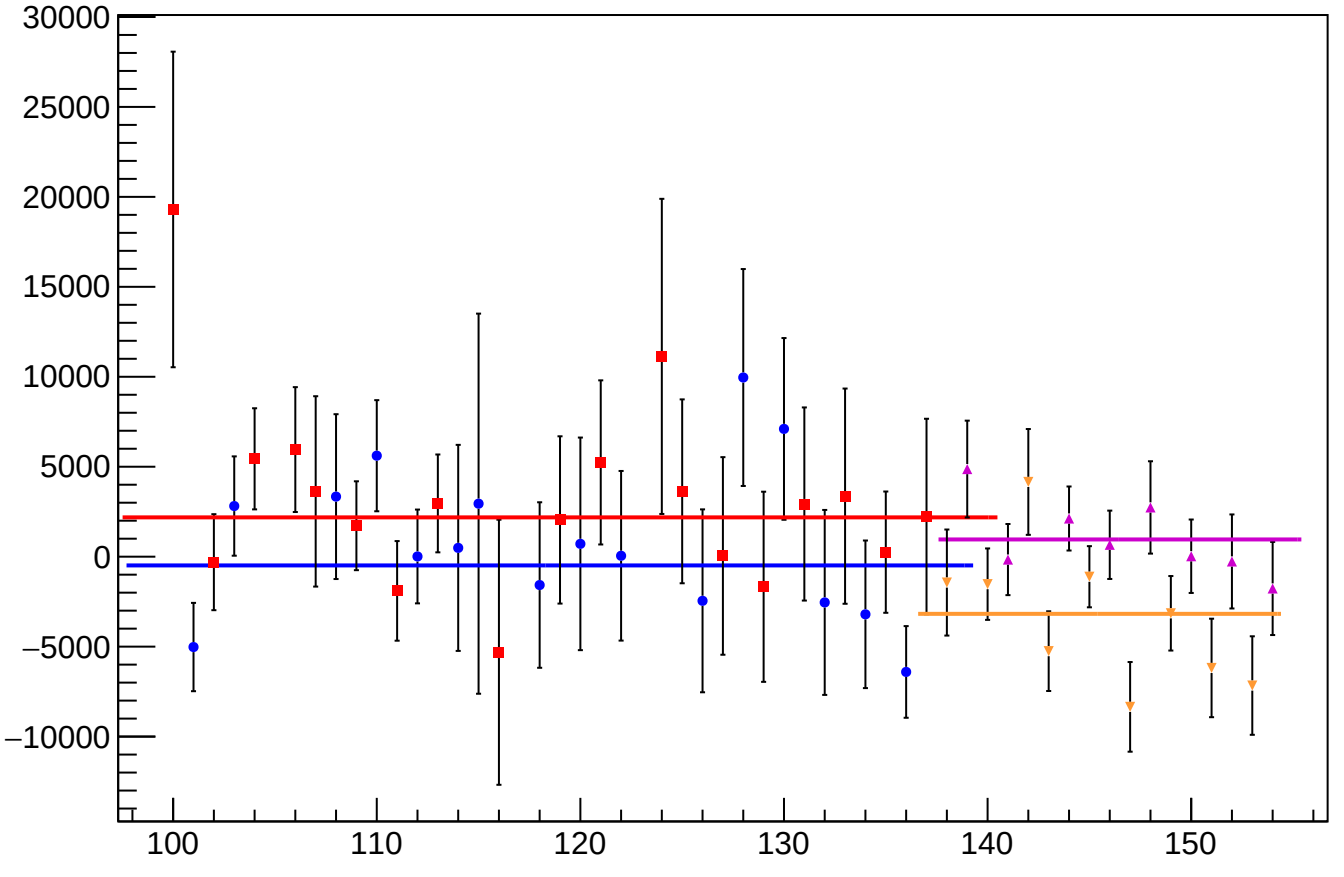
Left: 247.118+/-0.047 χ^2/NDF: 483714.0/16

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 242.715+/-0.046 χ^2/NDF:609960.2/23

Out: 240.881+/-0.046 χ^2/NDF:786123.1/27

All: 241.787+/-0.032 χ^2/NDF: 1396882.6/51



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: 957.728+/-772.773 χ^2/NDF:4.9/7

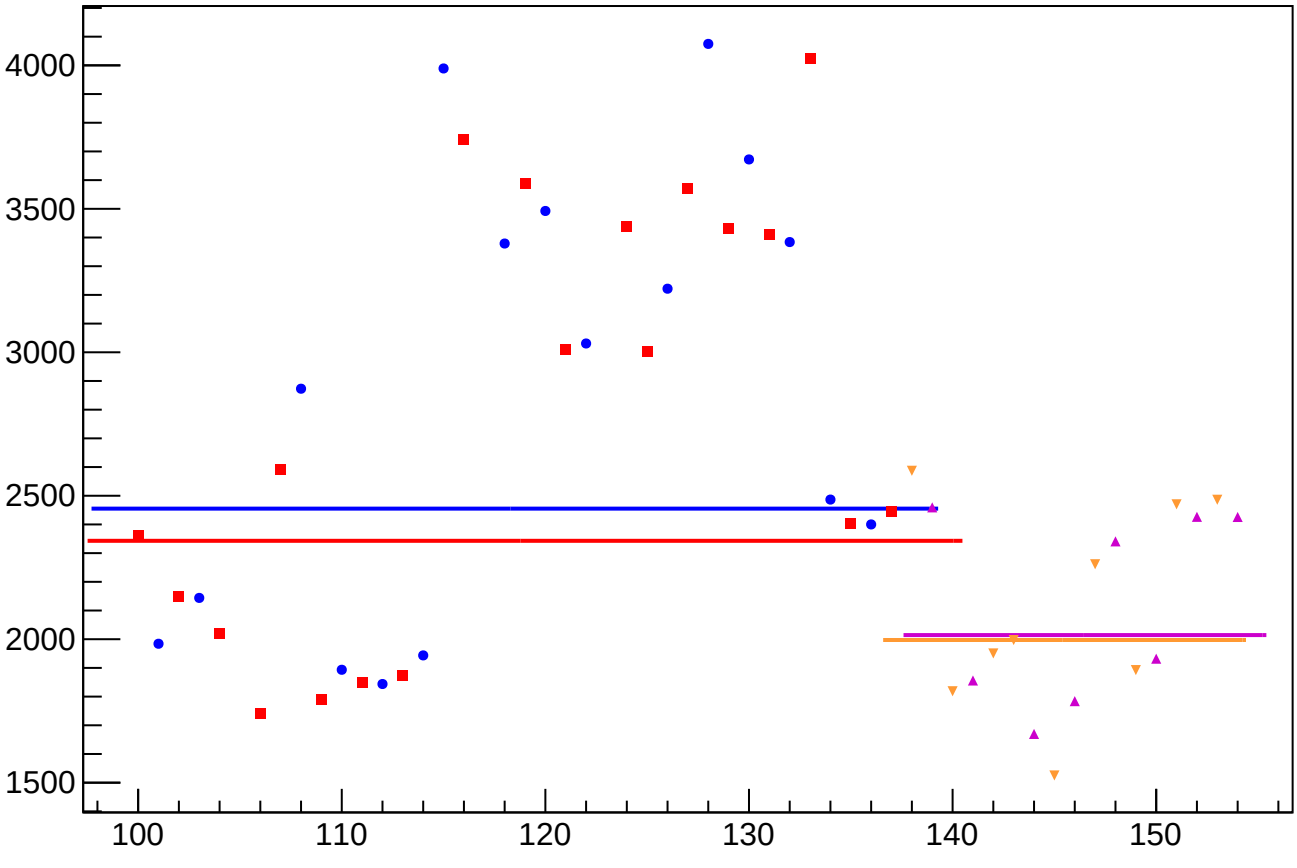
Left: -1122.743+/-544.736 χ^2/NDF: 36.5/16

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 380.939+/-598.845 χ^2/NDF:27.4/23

Out: -906.045+/-583.069 χ^2/NDF:51.1/27

All: -279.728+/-417.758 χ^2/NDF: 80.9/51



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: 2014.416+/-0.546 χ^2/NDF:307863.6/7

Left: 2005.790+/-0.385 χ^2/NDF: 710383.4/16

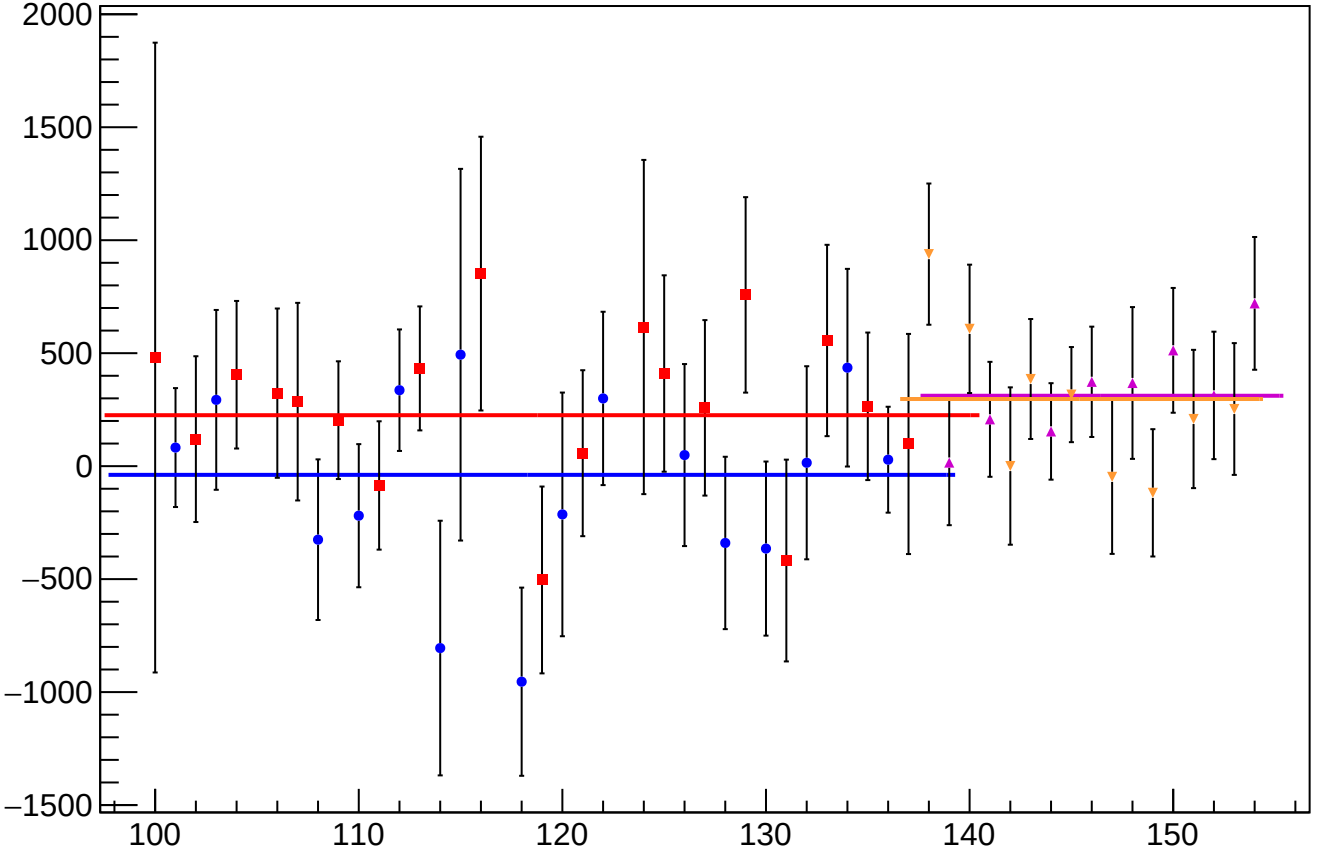
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2190.473+/-0.423 χ^2/NDF:1462078.8/23

Out: 2143.703+/-0.412 χ^2/NDF:1644057.7/27

All: 2166.464+/-0.295 χ^2/NDF: 3112399.1/51

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: 311.569+/-93.941 χ^2/NDF:4.4/7

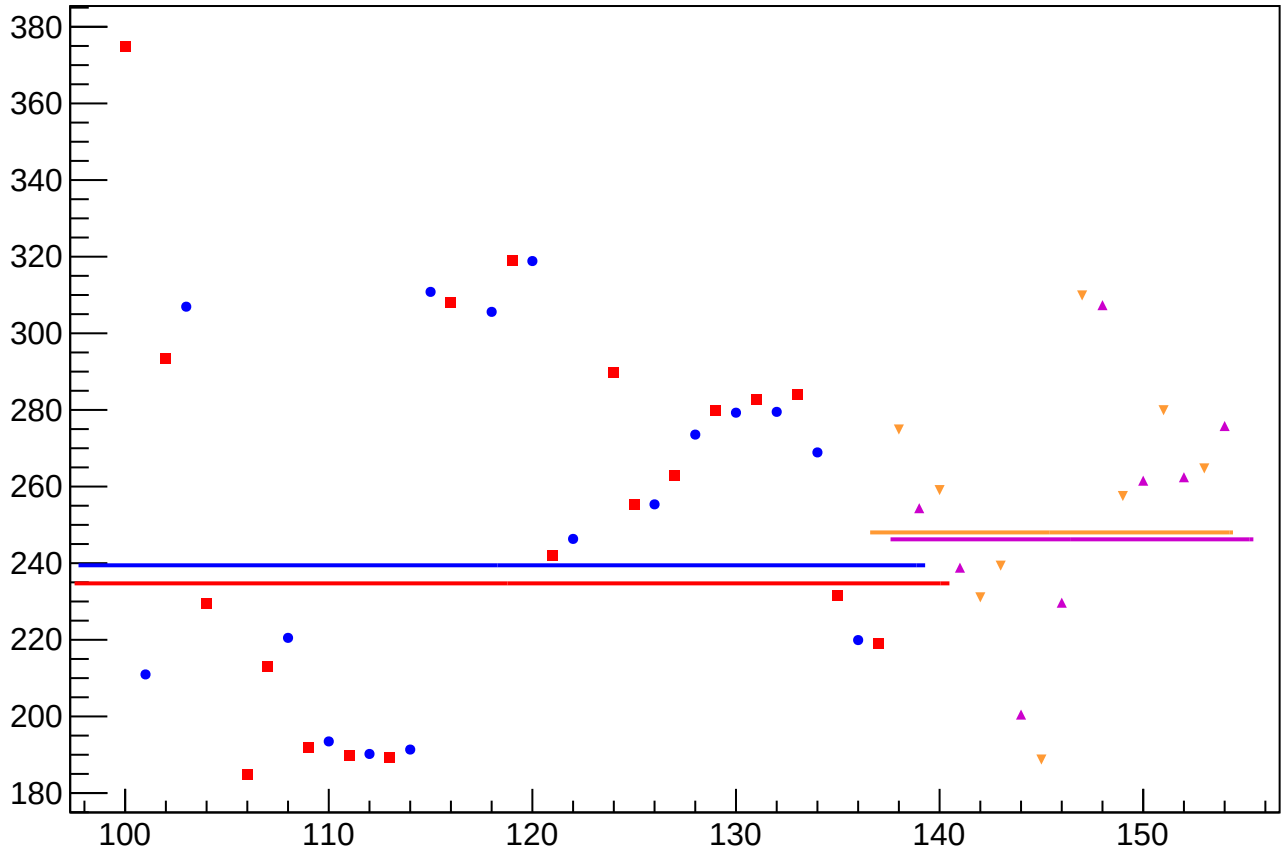
Left: 304.435+/-66.726 χ^2/NDF: 14.0/16

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 130.225+/-65.220 χ^2/NDF:26.1/23

Out: 258.650+/-64.463 χ^2/NDF:21.3/27

All: 195.187+/-45.848 χ^2/NDF: 49.3/51



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: 246.224+/-0.066 χ^2/NDF:203614.1/7

Left: 247.118+/-0.047 χ^2/NDF: 483714.0/16

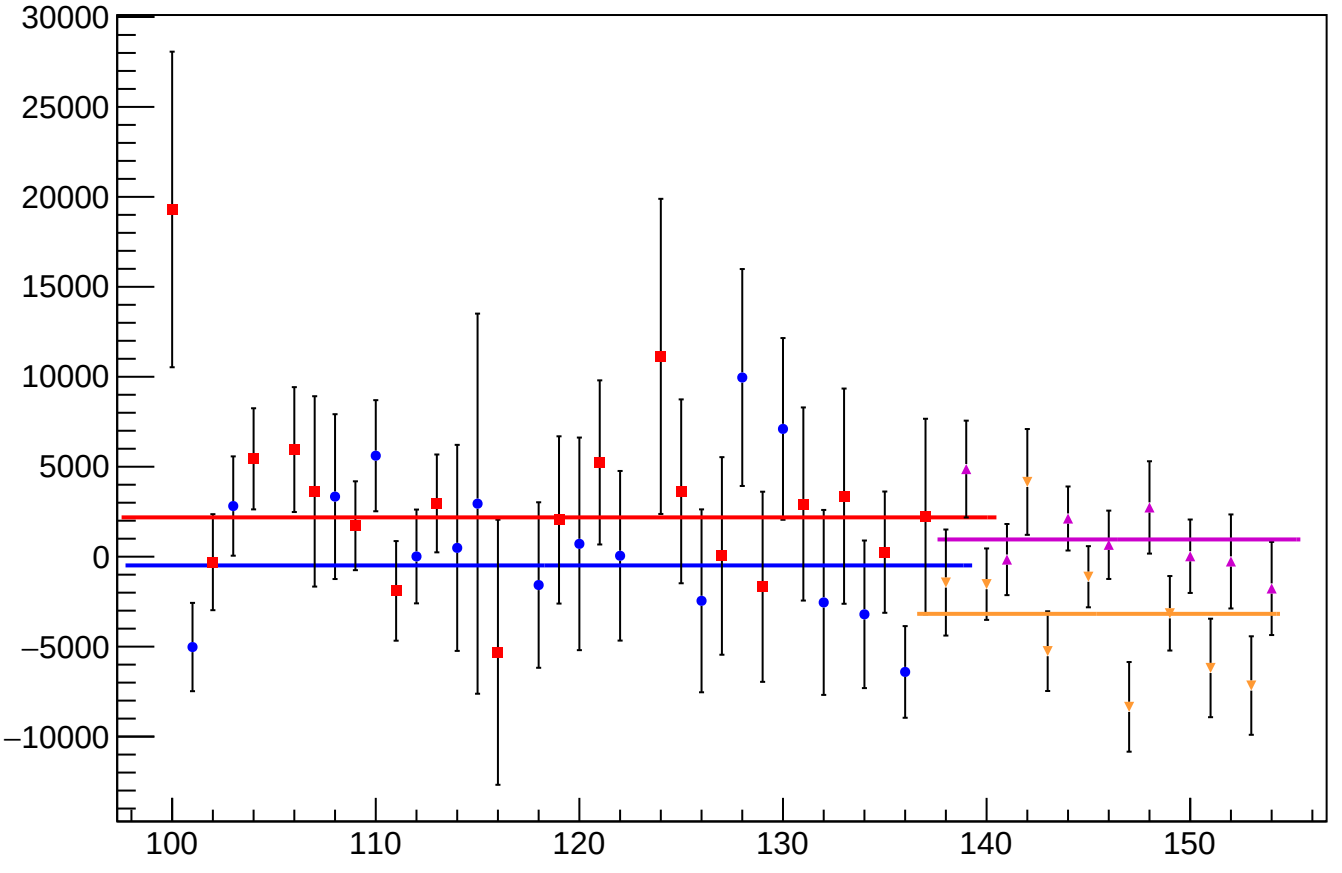
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 242.715+/-0.046 χ^2/NDF:609960.2/23

Out: 240.881+/-0.046 χ^2/NDF:786123.1/27

All: 241.787+/-0.032 χ^2/NDF: 1396882.6/51

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 957.728+/-772.773 χ^2/NDF:4.9/7

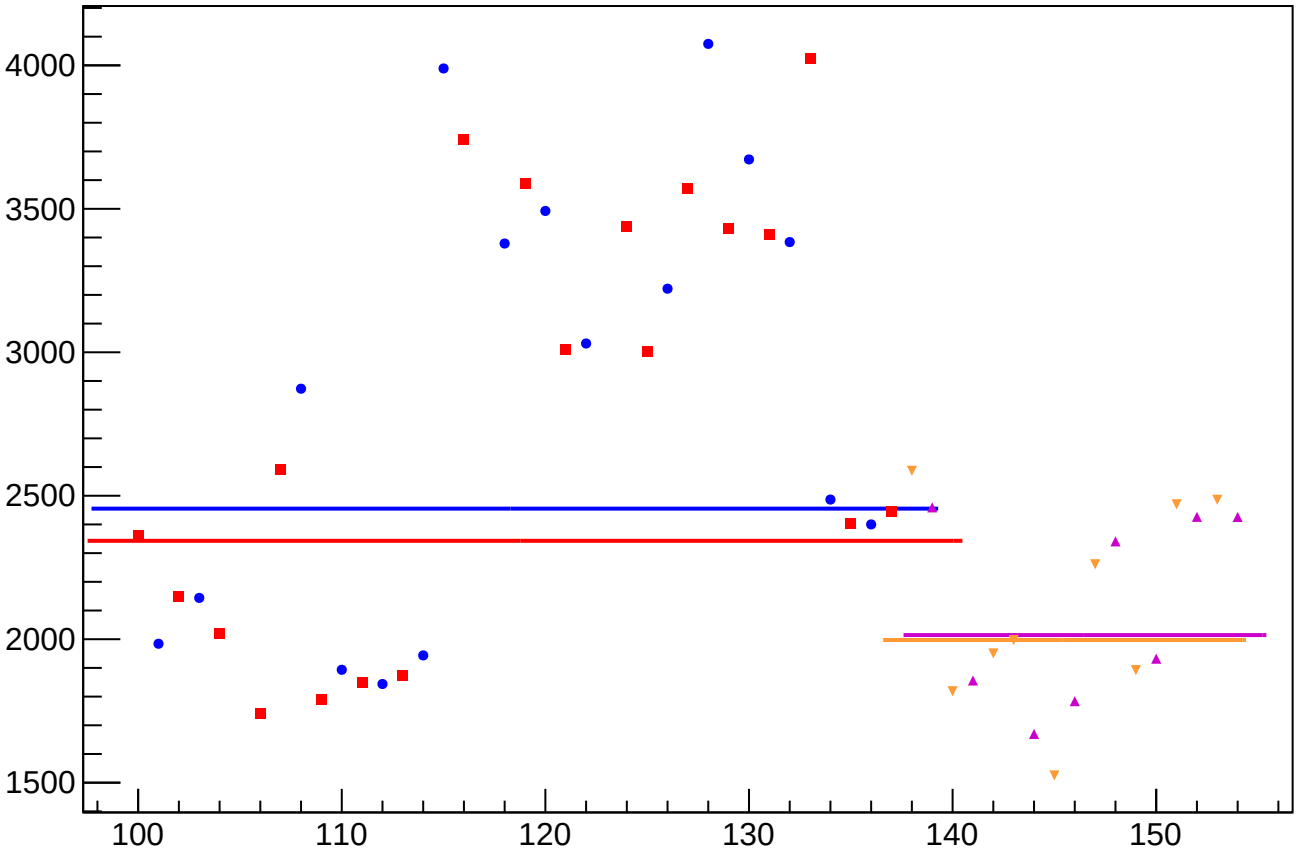
Left: -1122.743+/-544.736 χ^2/NDF: 36.5/16

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 380.939+/-598.845 χ^2/NDF:27.4/23

Out: -906.045+/-583.069 χ^2/NDF:51.1/27

All: -279.728+/-417.758 χ^2/NDF: 80.9/51



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: 2014.416+/-0.546 χ^2/NDF:307863.6/7

Left: 2005.790+/-0.385 χ^2/NDF: 710383.4/16

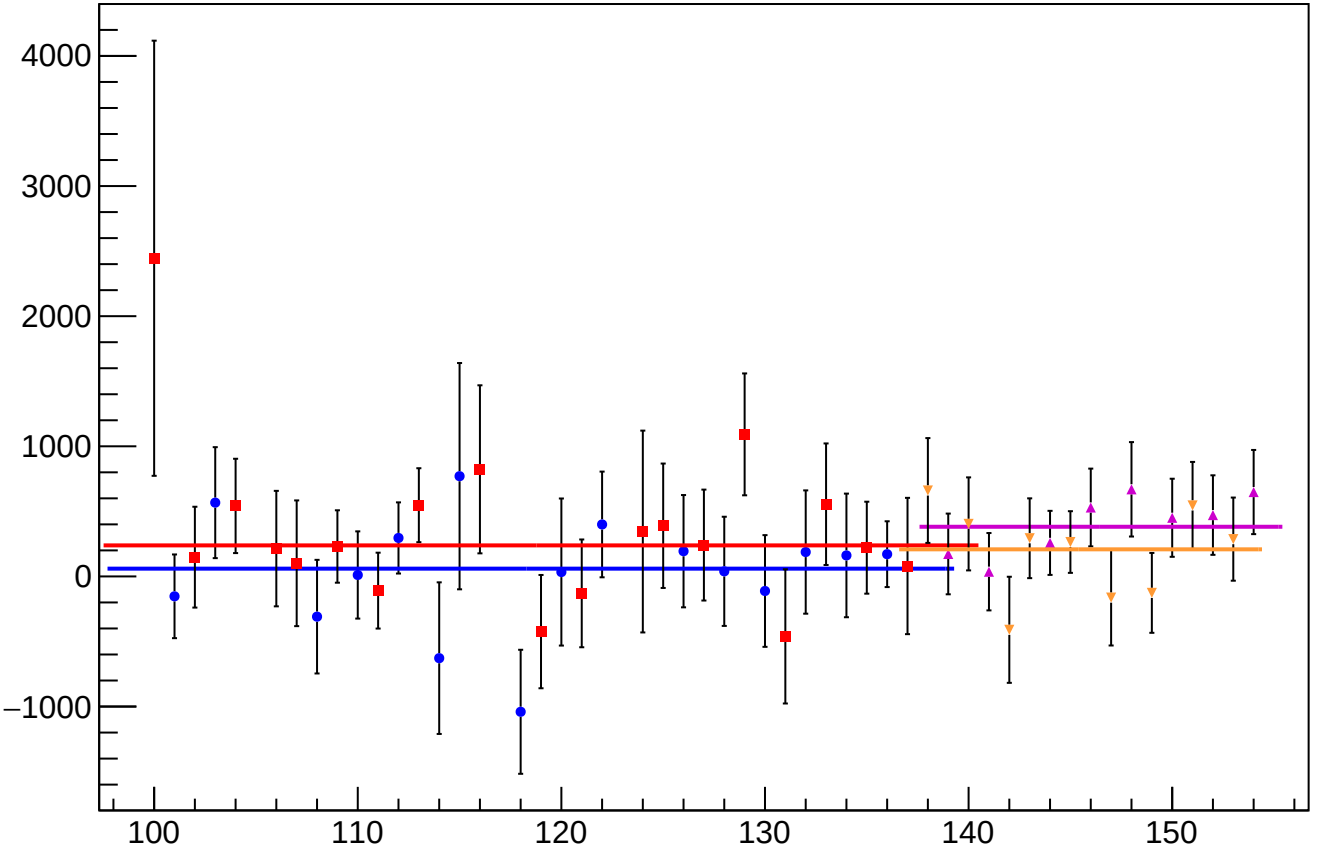
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2190.473+/-0.423 χ^2/NDF:1462078.8/23

Out: 2143.703+/-0.412 χ^2/NDF:1644057.7/27

All: 2166.464+/-0.295 χ^2/NDF: 3112399.1/51

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: 381.643+/-106.361 χ^2/NDF:3.8/7

Left: 296.511+/-75.900 χ^2/NDF: 12.3/16

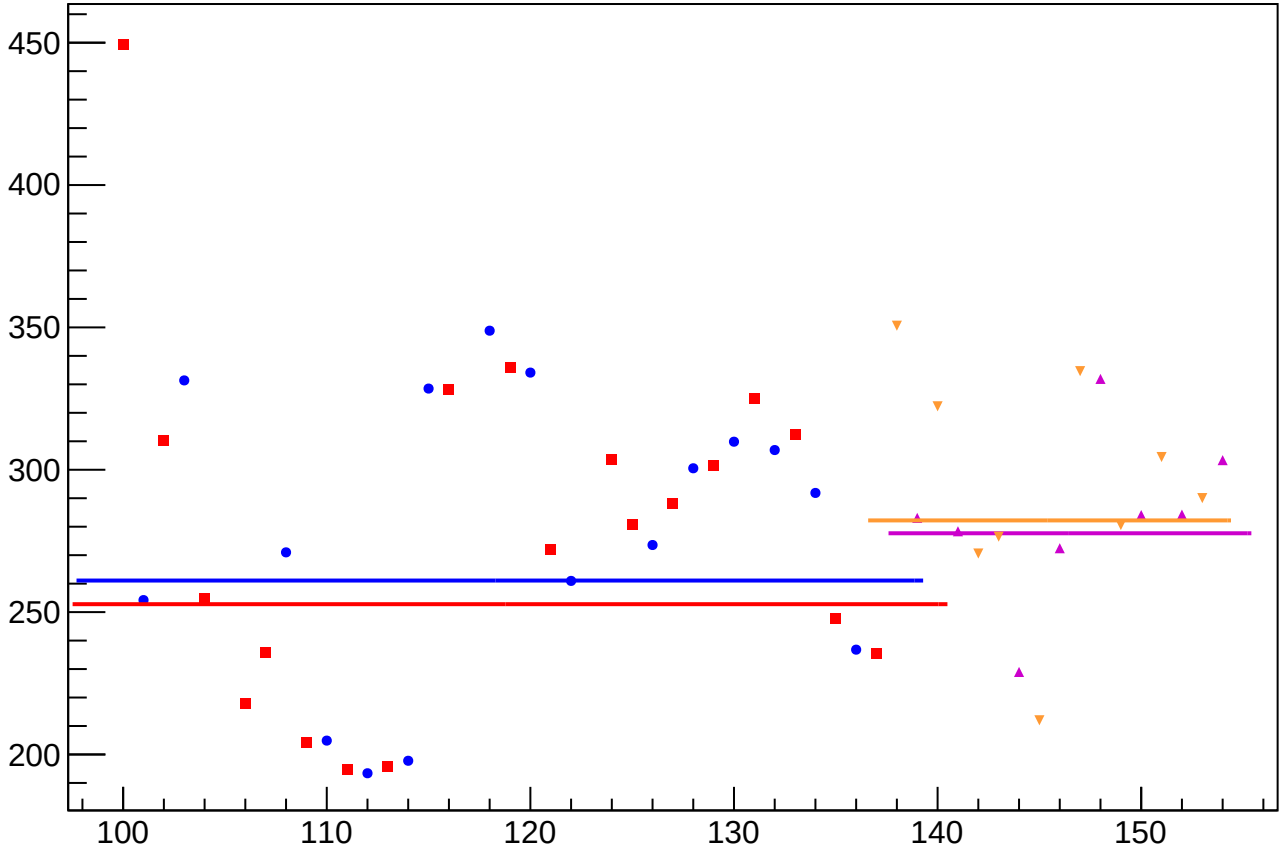
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 209.532+/-72.556 χ^2/NDF:20.6/23

Out: 225.318+/-71.456 χ^2/NDF:22.3/27

All: 217.546+/-50.912 χ^2/NDF: 42.9/51

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: 277.692+/-0.075 χ^2/NDF:138667.3/7

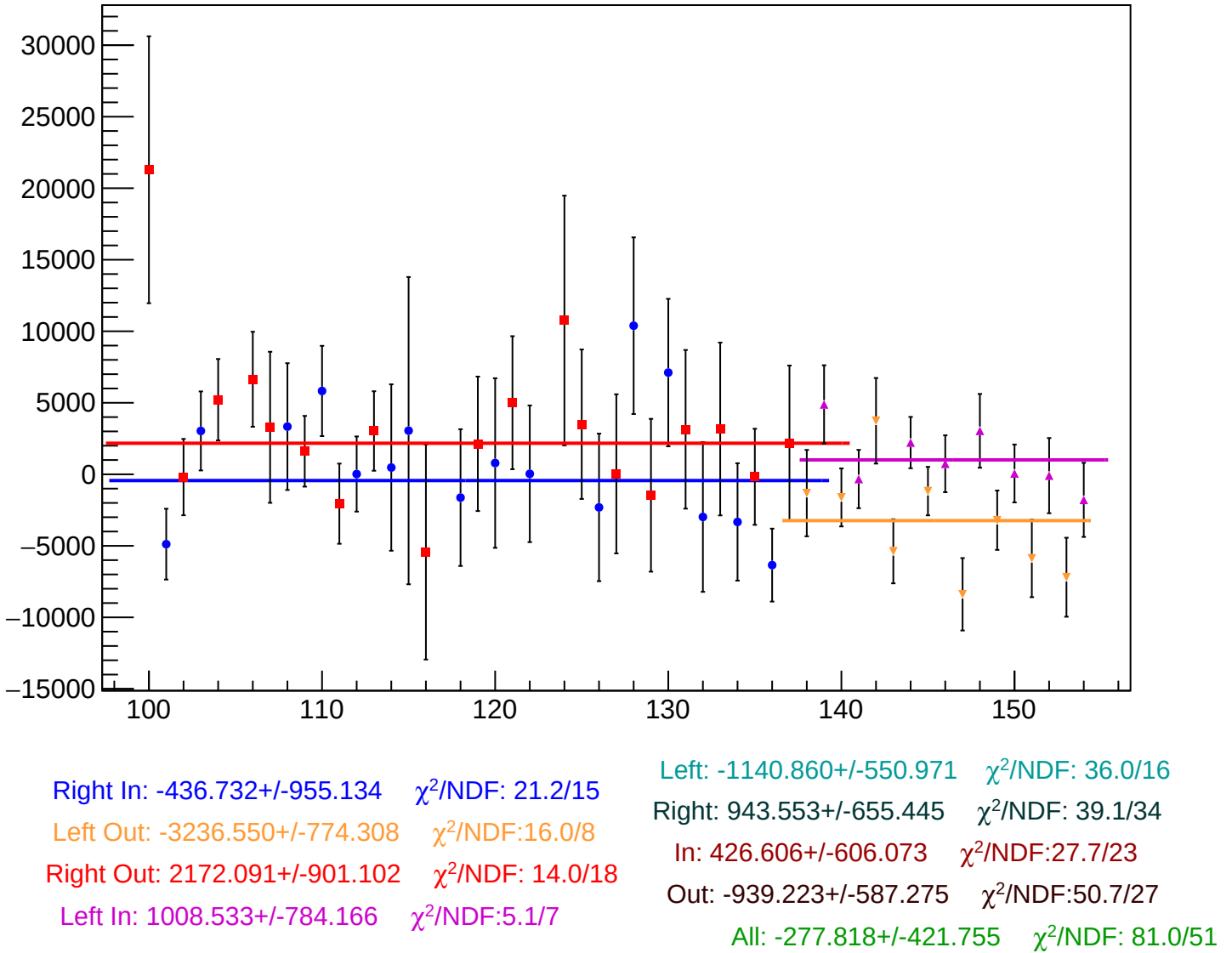
Left: 279.908+/-0.054 χ^2/NDF: 451797.2/16

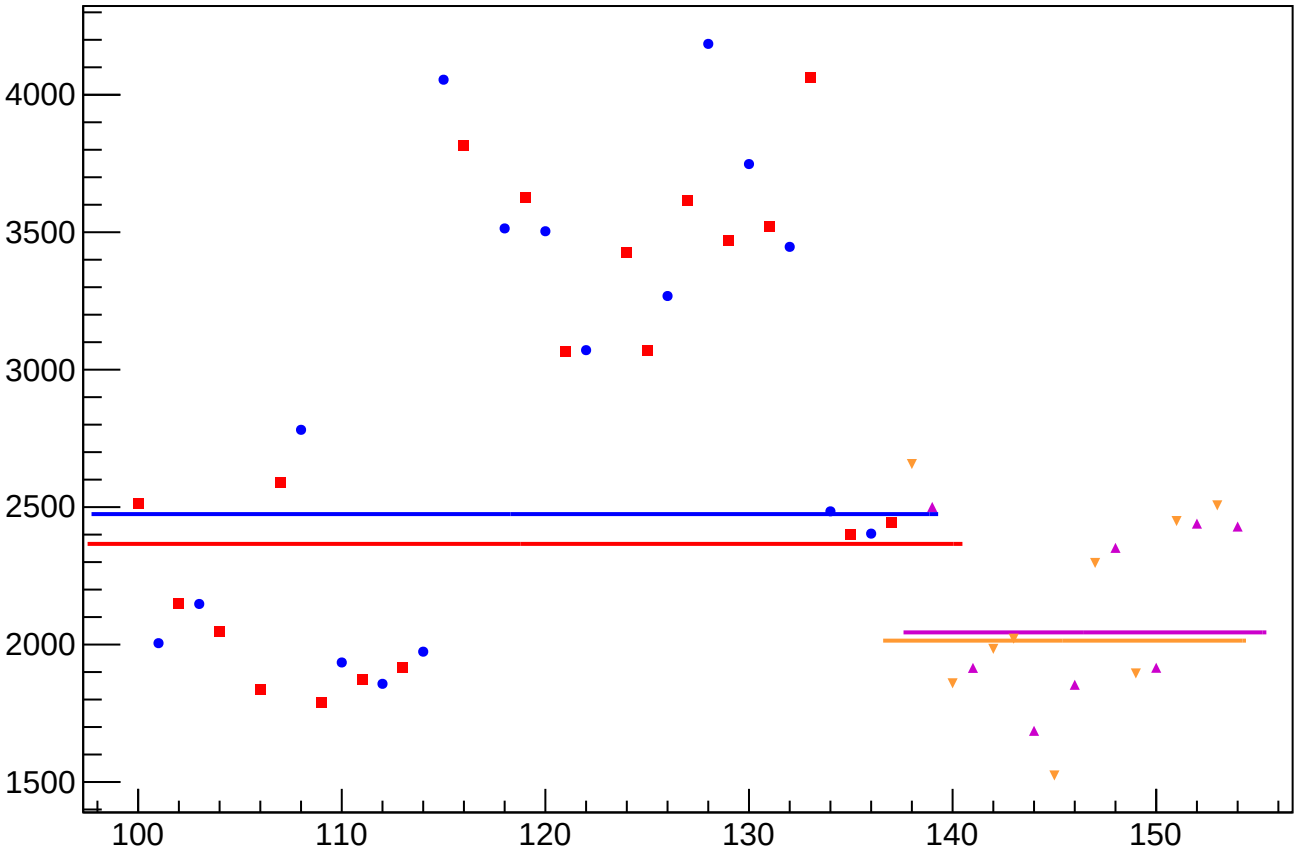
Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 268.815+/-0.051 χ^2/NDF:627384.9/23

Out: 265.585+/-0.051 χ^2/NDF:931980.8/27

All: 267.175+/-0.036 χ^2/NDF: 1561378.2/51


asym_sam4_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -436.732+/-955.134 χ²/NDF: 21.2/15
Left Out: -3236.550+/-774.308 χ²/NDF:16.0/8
Right Out: 2172.091+/-901.102 χ²/NDF: 14.0/18
Left In: 1008.533+/-784.166 χ²/NDF:5.1/7
Left: -1140.860+/-550.971 χ²/NDF: 36.0/16
Right: 943.553+/-655.445 χ²/NDF: 39.1/34
In: 426.606+/-606.073 χ²/NDF:27.7/23
Out: -939.223+/-587.275 χ²/NDF:50.7/27
All: -277.818+/-421.755 χ²/NDF: 81.0/51



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: 2044.285+/-0.554 χ^2/NDF:287684.8/7

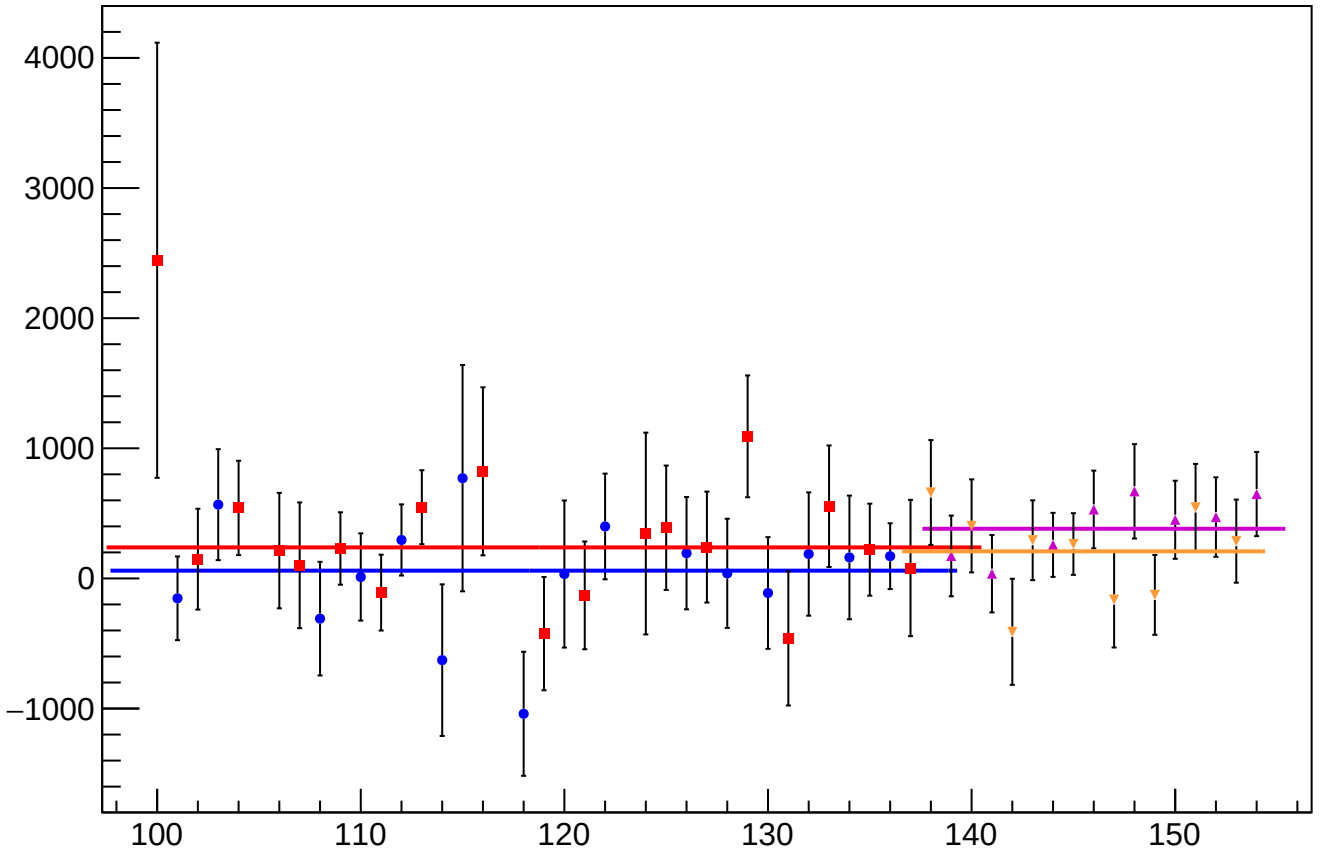
Left: 2029.100+/-0.390 χ^2/NDF: 705650.4/16

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2217.558+/-0.429 χ^2/NDF:1446457.8/23

Out: 2163.776+/-0.415 χ^2/NDF:1669145.3/27

All: 2189.820+/-0.298 χ^2/NDF: 3123725.6/51



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: 381.646+/-106.361 χ^2/NDF:3.8/7

Left: 296.513+/-75.900 χ^2/NDF: 12.3/16

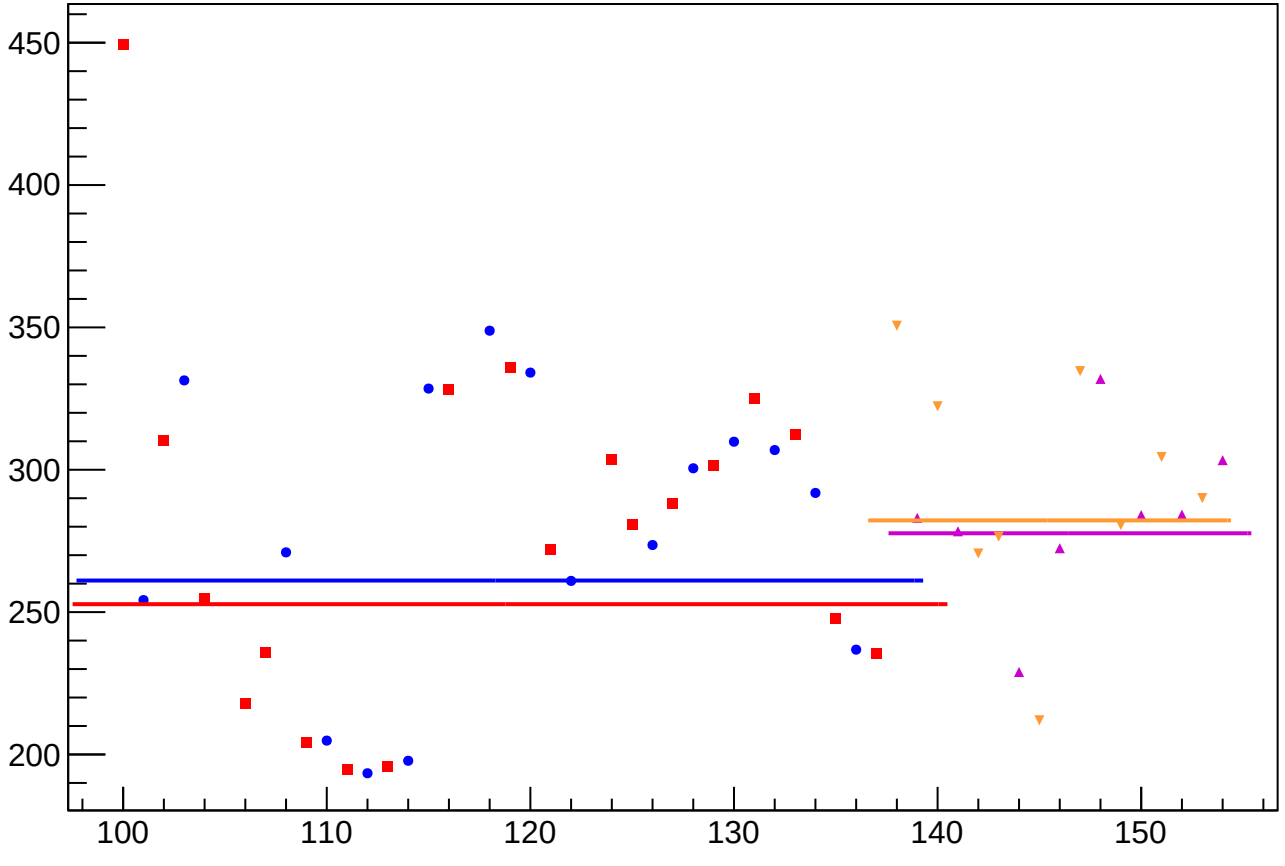
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 209.536+/-72.556 χ^2/NDF:20.6/23

Out: 225.318+/-71.456 χ^2/NDF:22.3/27

All: 217.548+/-50.912 χ^2/NDF: 42.9/51

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



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: 277.692+/-0.075 χ^2/NDF:138665.5/7

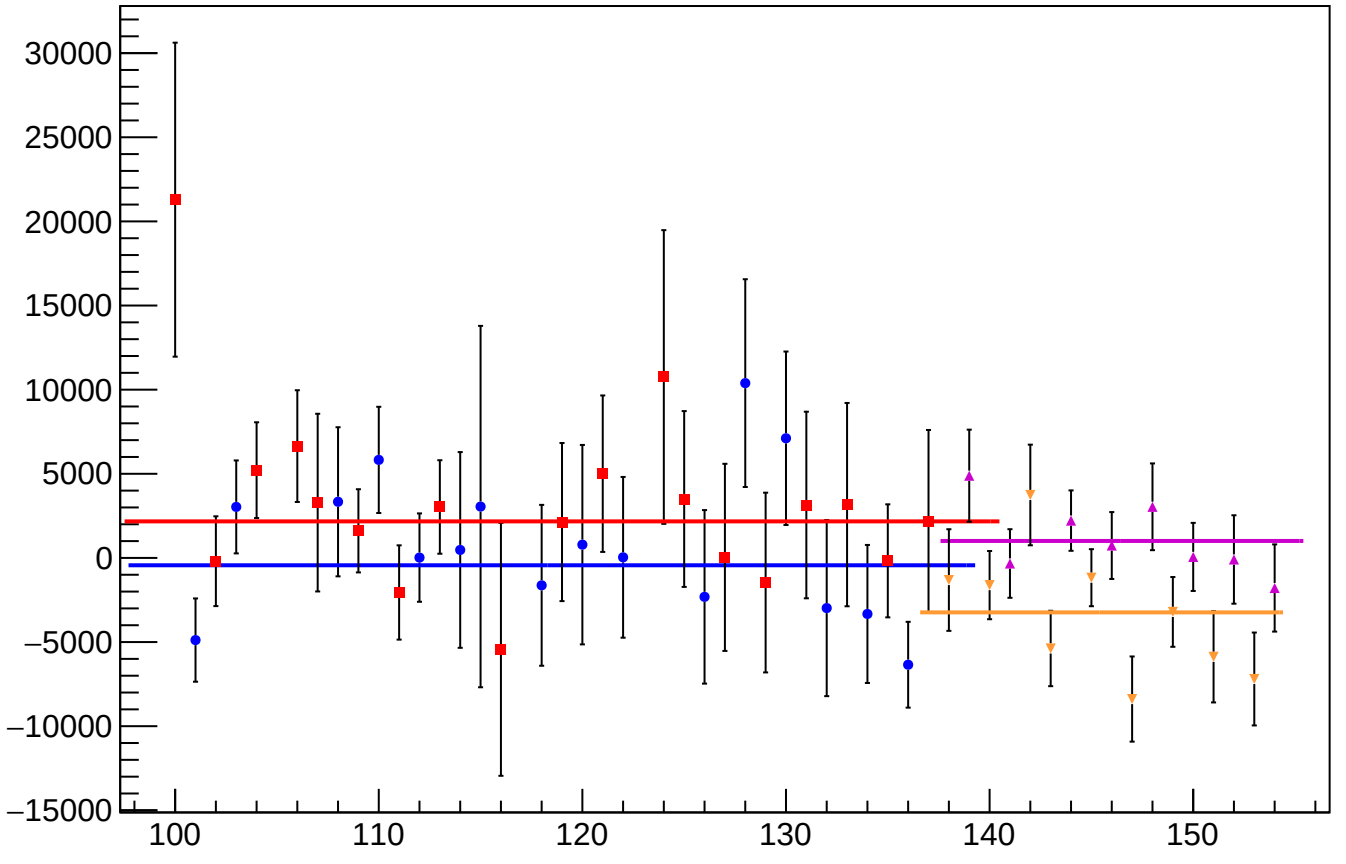
Left: 279.909+/-0.054 χ^2/NDF: 451790.4/16

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 268.815+/-0.051 χ^2/NDF:627387.3/23

Out: 265.585+/-0.051 χ^2/NDF:931981.7/27

All: 267.175+/-0.036 χ^2/NDF: 1561381.7/51



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: 1008.533+/-784.166 χ^2/NDF:5.1/7

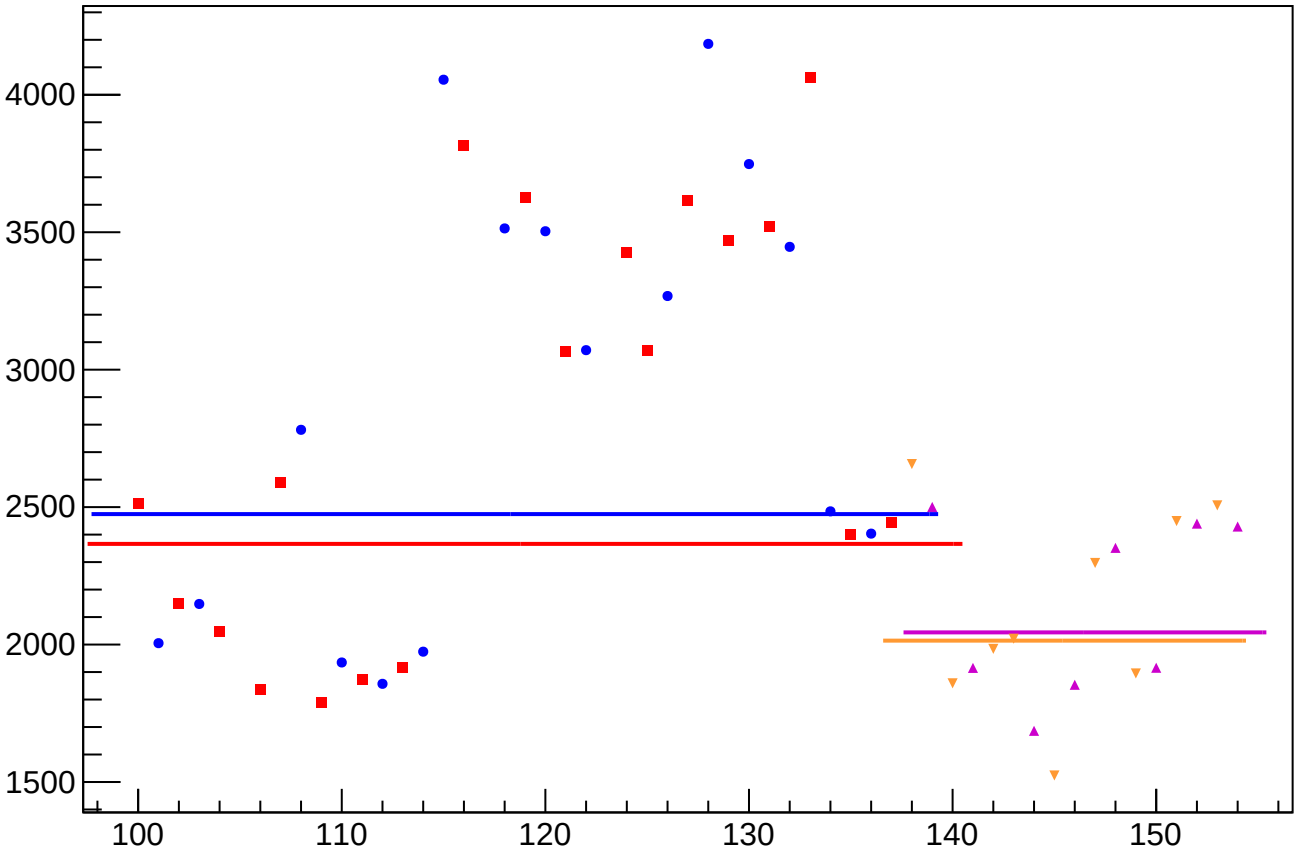
Left: -1140.859+/-550.970 χ^2/NDF: 36.0/16

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 426.606+/-606.072 χ^2/NDF:27.7/23

Out: -939.222+/-587.274 χ^2/NDF:50.7/27

All: -277.818+/-421.755 χ^2/NDF: 81.0/51



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: 2044.285+/-0.554 χ^2/NDF:287683.6/7

Left: 2029.099+/-0.390 χ^2/NDF: 705652.4/16

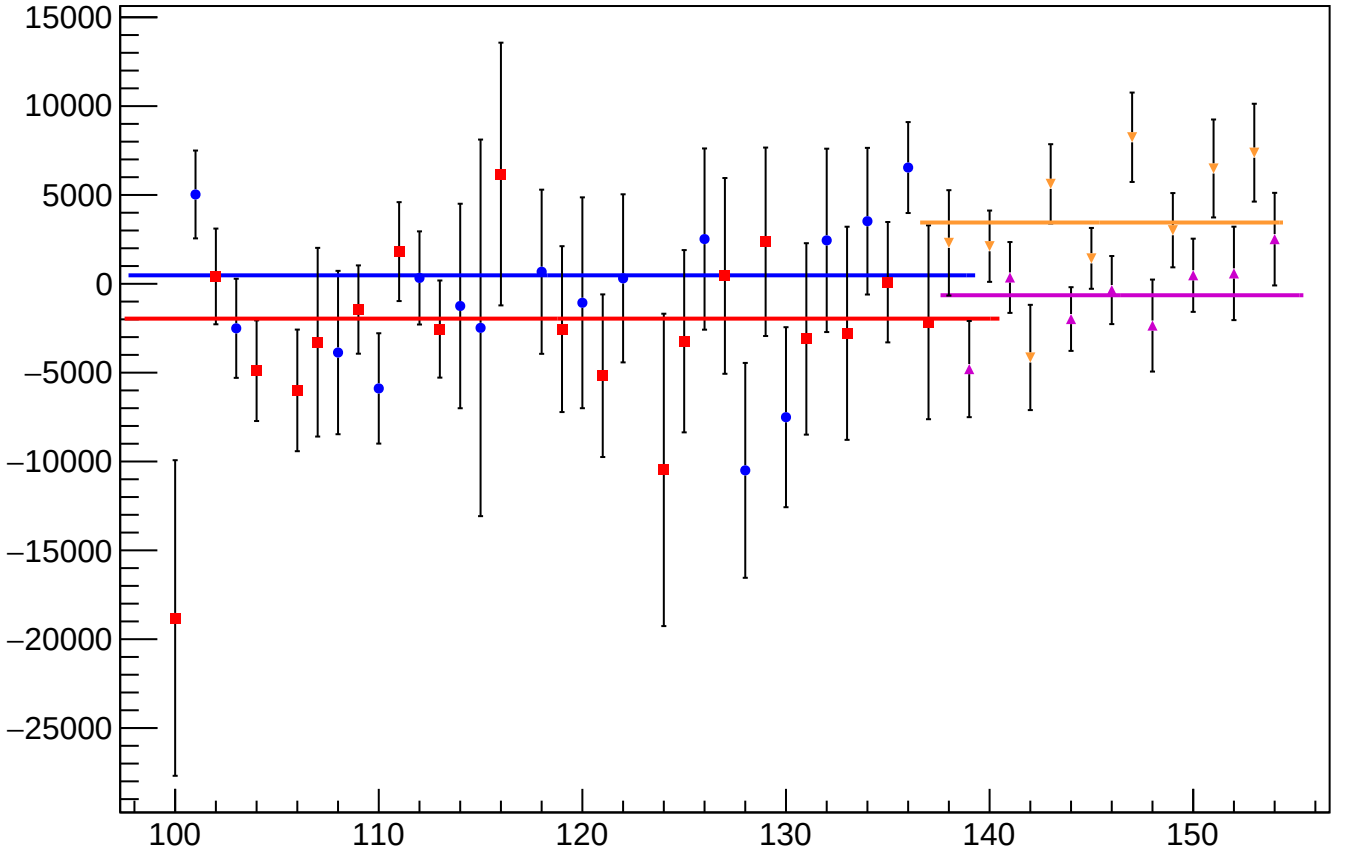
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2217.557+/-0.429 χ^2/NDF:1446459.2/23

Out: 2163.774+/-0.415 χ^2/NDF:1669151.5/27

All: 2189.818+/-0.298 χ^2/NDF: 3123733.4/51

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: -643.478+/-778.752 χ^2/NDF:5.6/7

Left: 1415.046+/-549.033 χ^2/NDF: 35.9/16

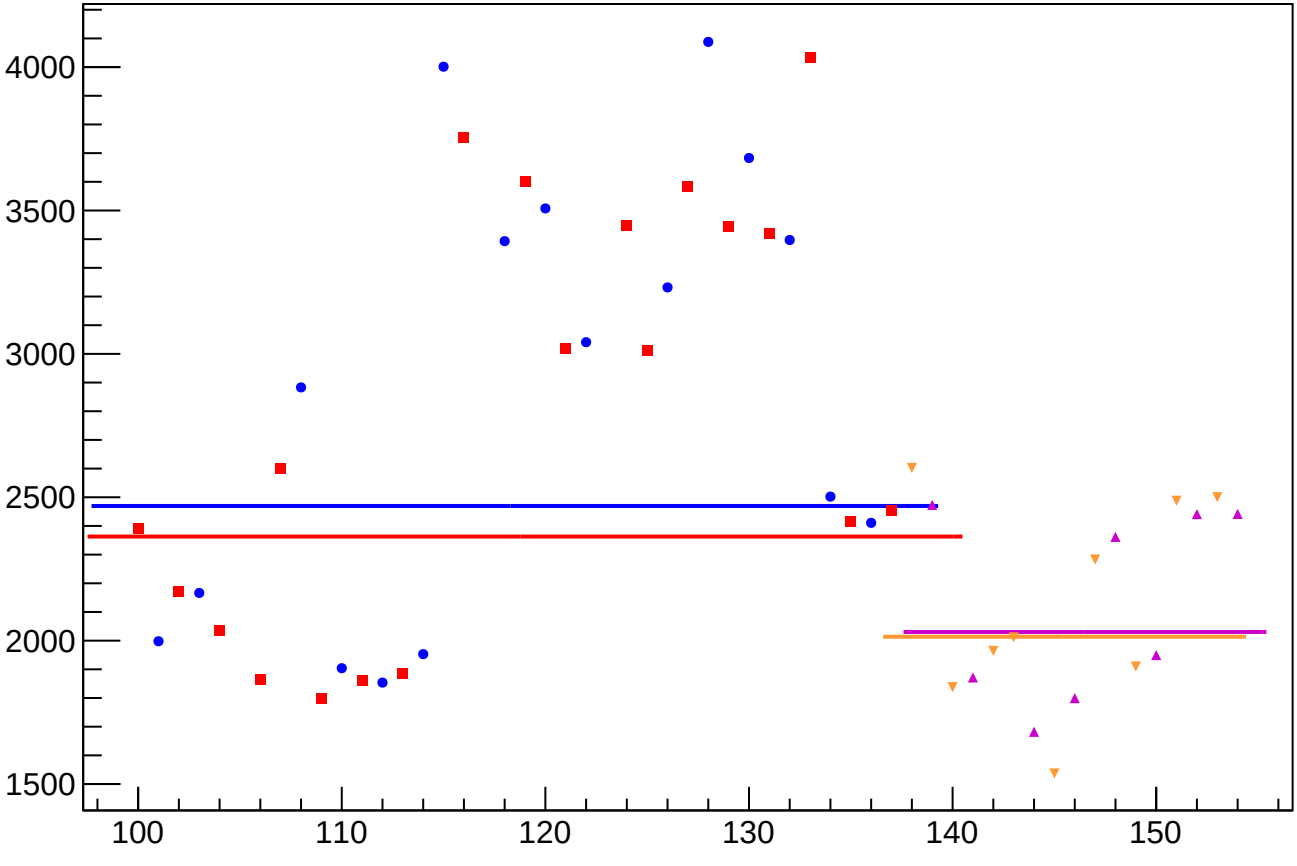
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -194.597+/-602.960 χ^2/NDF:28.6/23

Out: 1148.337+/-586.826 χ^2/NDF:50.0/27

All: 495.078+/-420.537 χ^2/NDF: 81.1/51

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: 2030.305+/-0.551 χ^2/NDF:305396.3/7

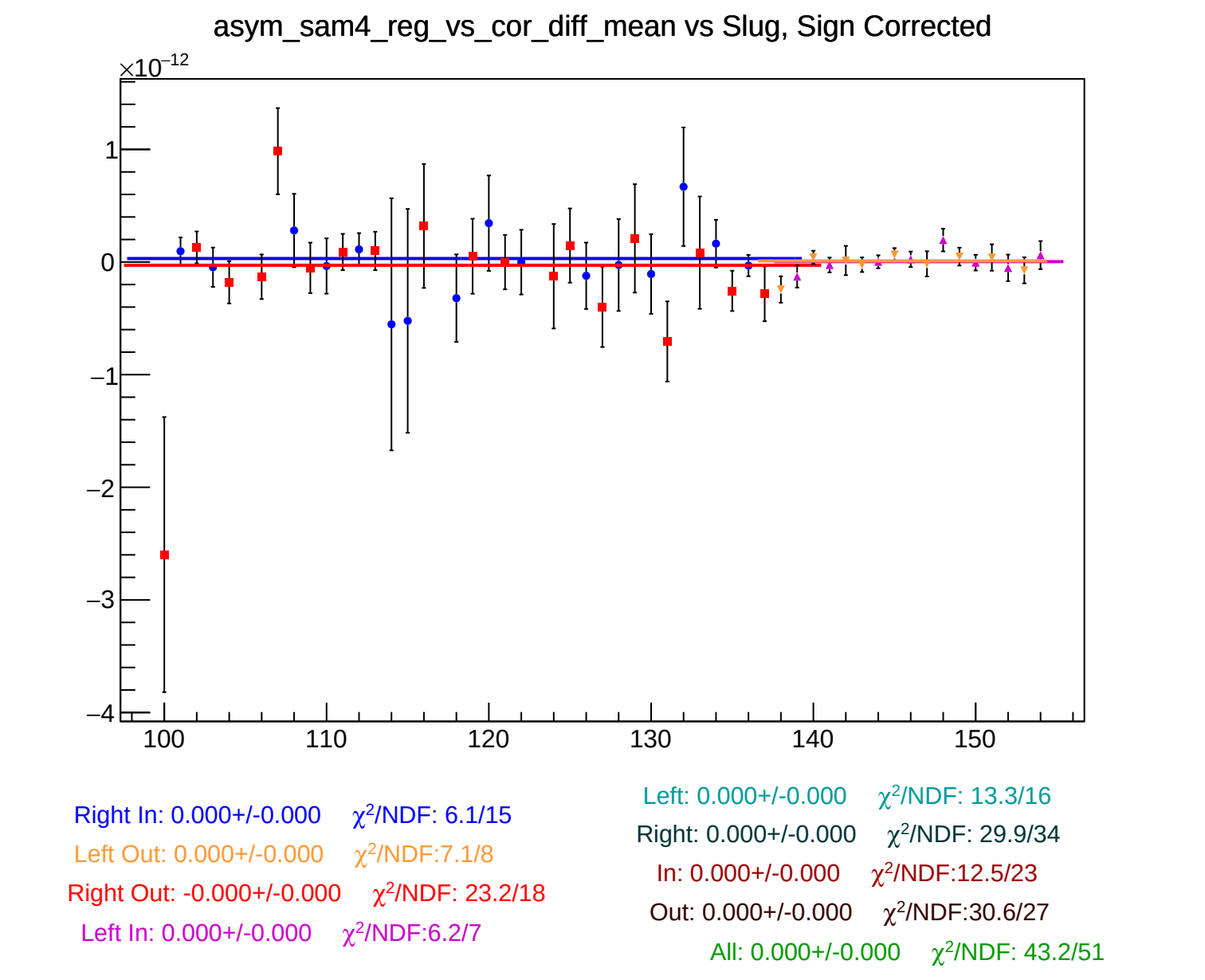
Left: 2021.933+/-0.388 χ^2/NDF: 705001.8/16

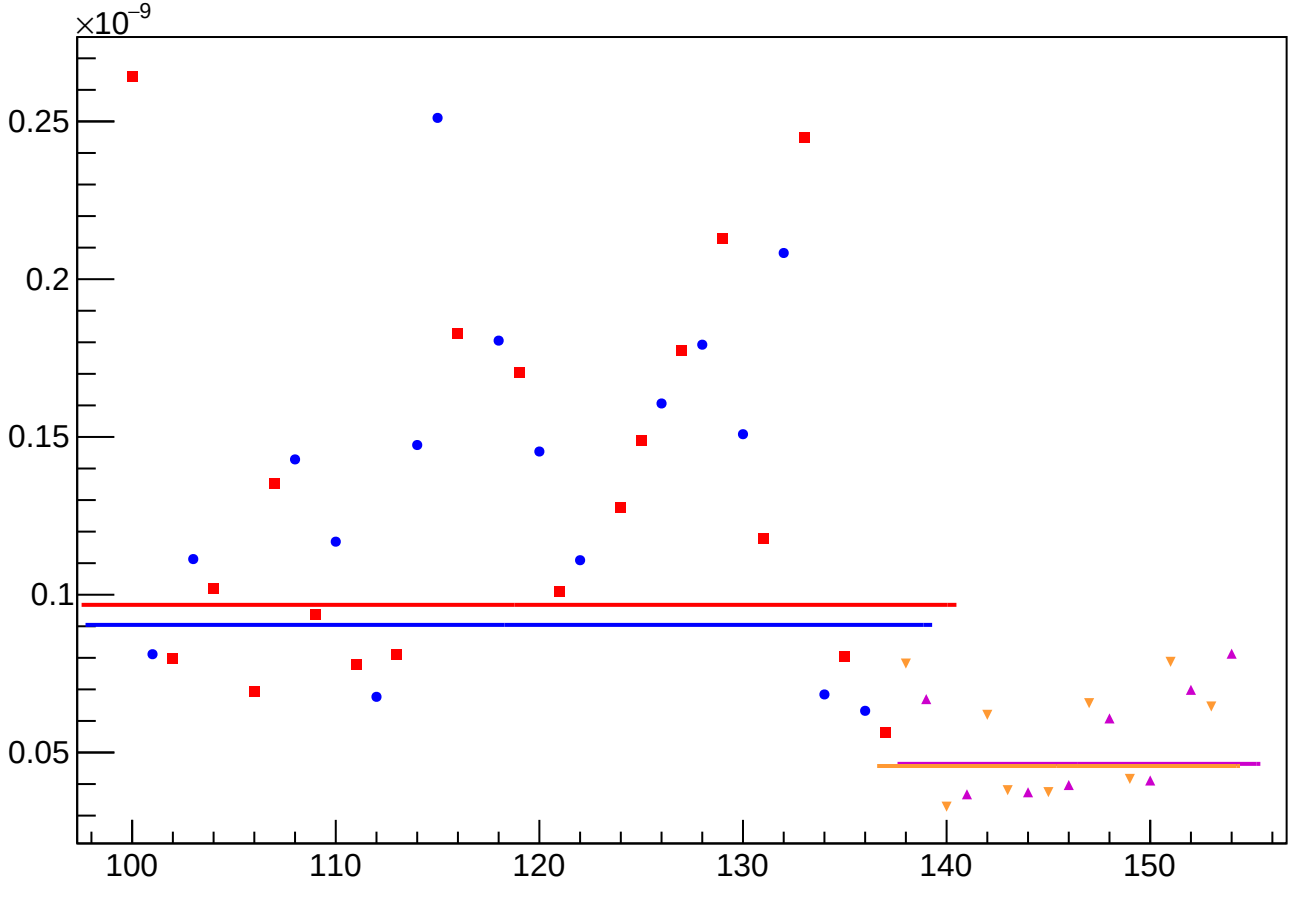
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2206.264+/-0.426 χ^2/NDF:1446515.6/23

Out: 2162.299+/-0.415 χ^2/NDF:1615794.1/27

All: 2183.686+/-0.297 χ^2/NDF: 3067770.5/51


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:7.1/8
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: 0.000+/-0.000 χ²/NDF:6.2/7
Left: 0.000+/-0.000 χ²/NDF: 13.3/16
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: 0.000+/-0.000 χ²/NDF:12.5/23
Out: 0.000+/-0.000 χ²/NDF:30.6/27
All: 0.000+/-0.000 χ²/NDF: 43.2/51



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:486142.6/7

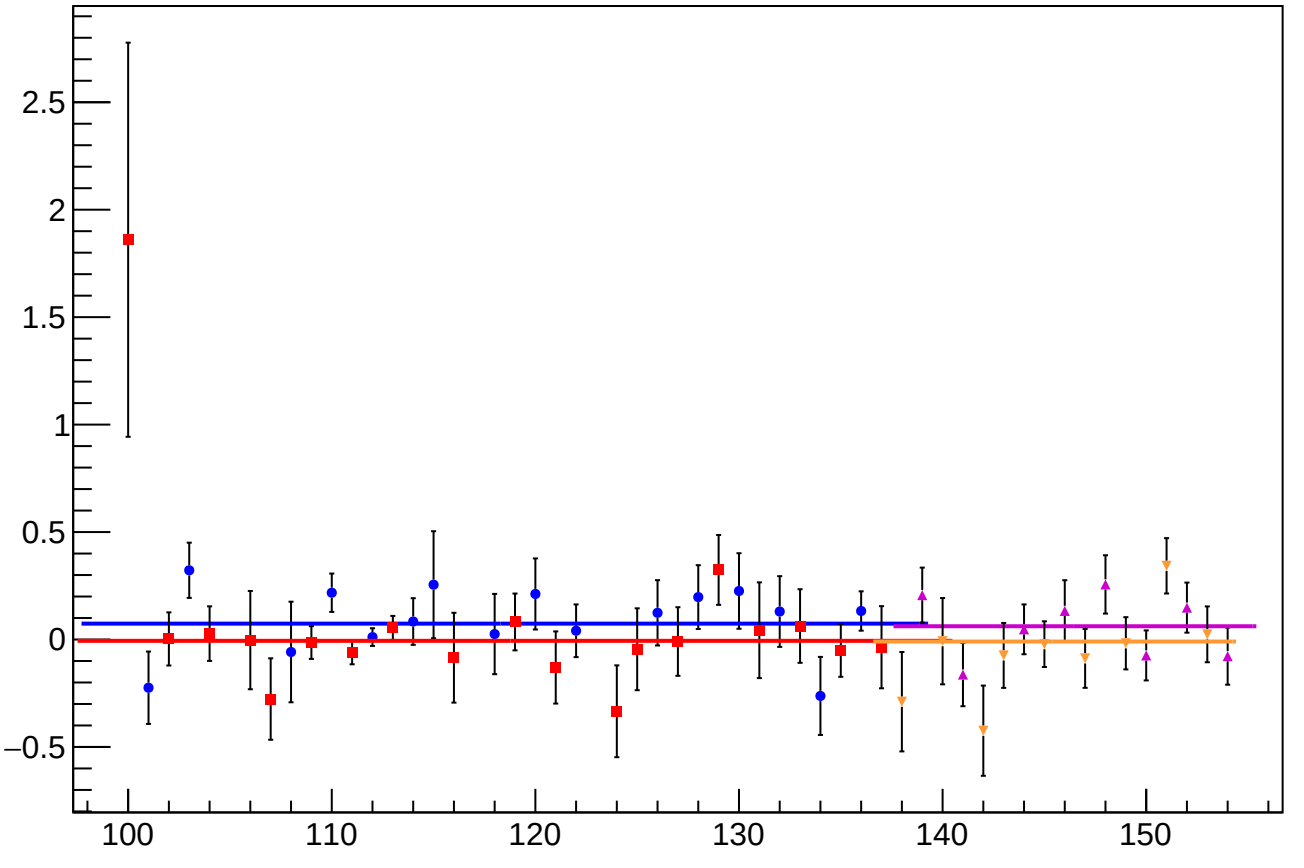
Left: 0.000+/-0.000 χ^2/NDF: 1116860.6/16

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2509313.8/23

Out: 0.000+/-0.000 χ^2/NDF:2829683.7/27

All: 0.000+/-0.000 χ^2/NDF: 5339489.2/51



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: 0.062+/-0.045 χ^2/NDF:8.9/7

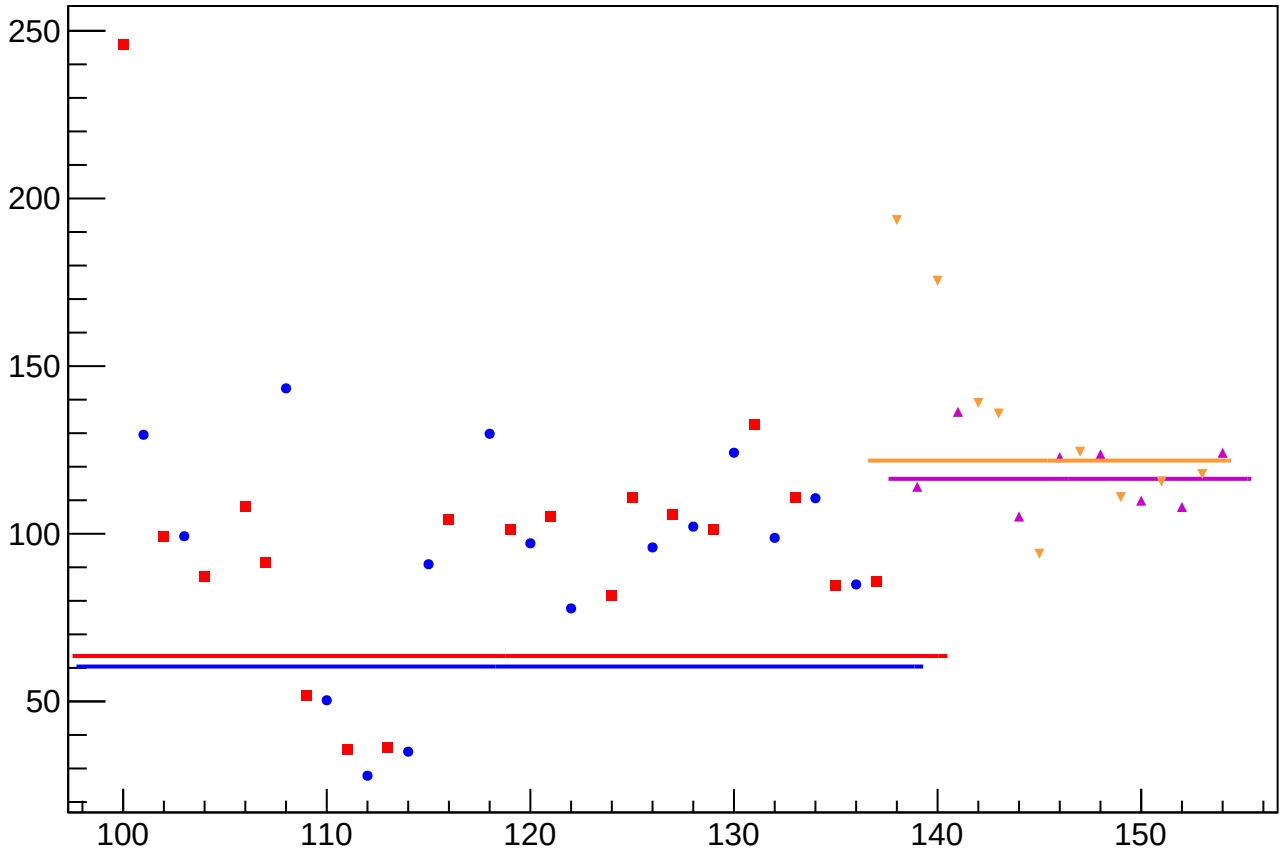
Left: 0.028+/-0.033 χ^2/NDF: 23.6/16

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.023 χ^2/NDF:28.0/23

Out: -0.007+/-0.023 χ^2/NDF:29.9/27

All: 0.032+/-0.016 χ^2/NDF: 63.4/51



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: 116.383+/-0.032 χ^2/NDF:89607.4/7

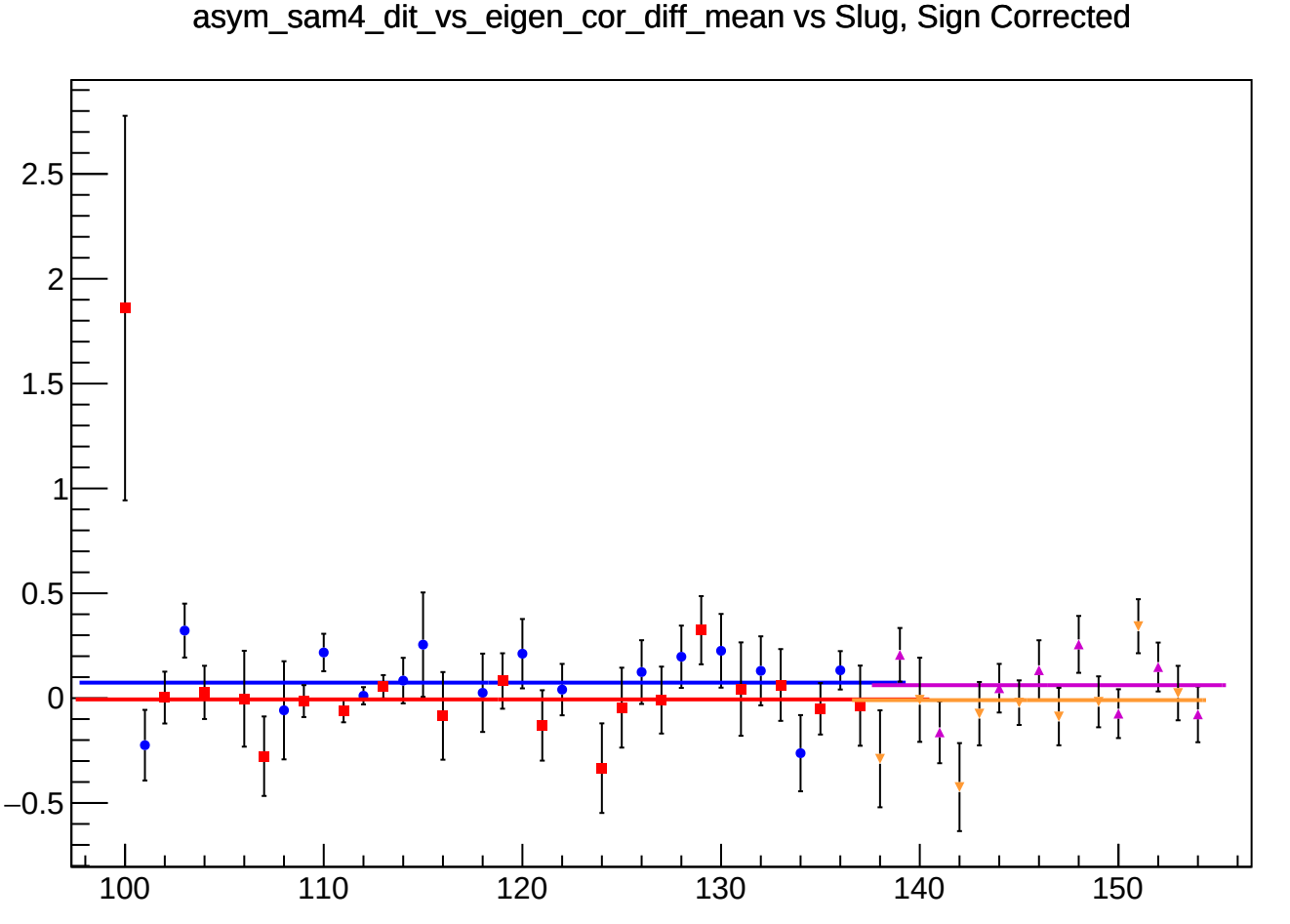
Left: 118.958+/-0.023 χ^2/NDF: 629295.4/16

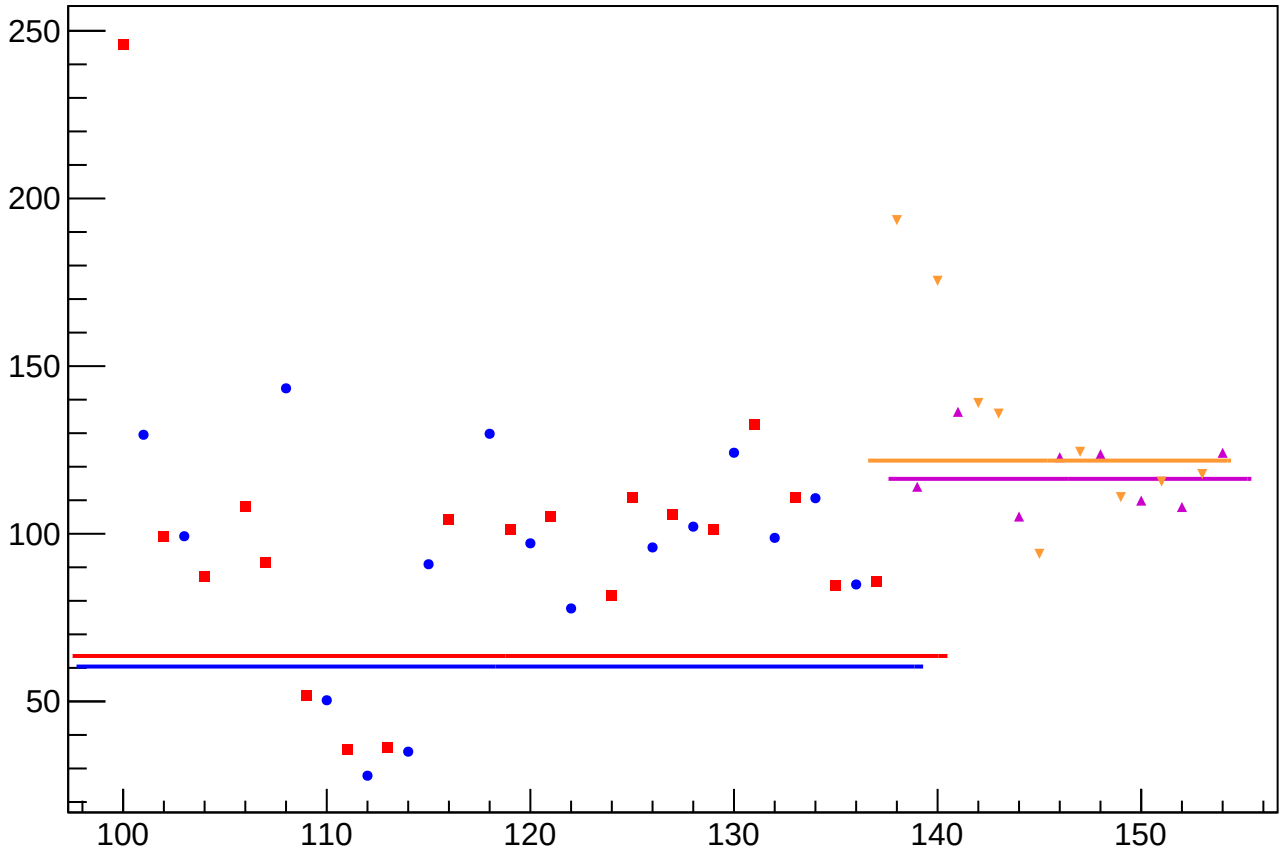
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 75.118+/-0.016 χ^2/NDF:5886088.9/23

Out: 77.548+/-0.017 χ^2/NDF:5446262.5/27

All: 76.323+/-0.012 χ^2/NDF: 11343234.6/51


asym_sam4_dit_vs_eigen_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: 0.062+/-0.045 χ²/NDF:8.9/7
Left: 0.028+/-0.033 χ²/NDF: 23.6/16
Right: 0.034+/-0.019 χ²/NDF: 39.8/34
In: 0.071+/-0.023 χ²/NDF:28.0/23
Out: -0.007+/-0.023 χ²/NDF:29.9/27
All: 0.032+/-0.016 χ²/NDF: 63.4/51



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: 116.383+/-0.032 χ^2/NDF:89607.4/7

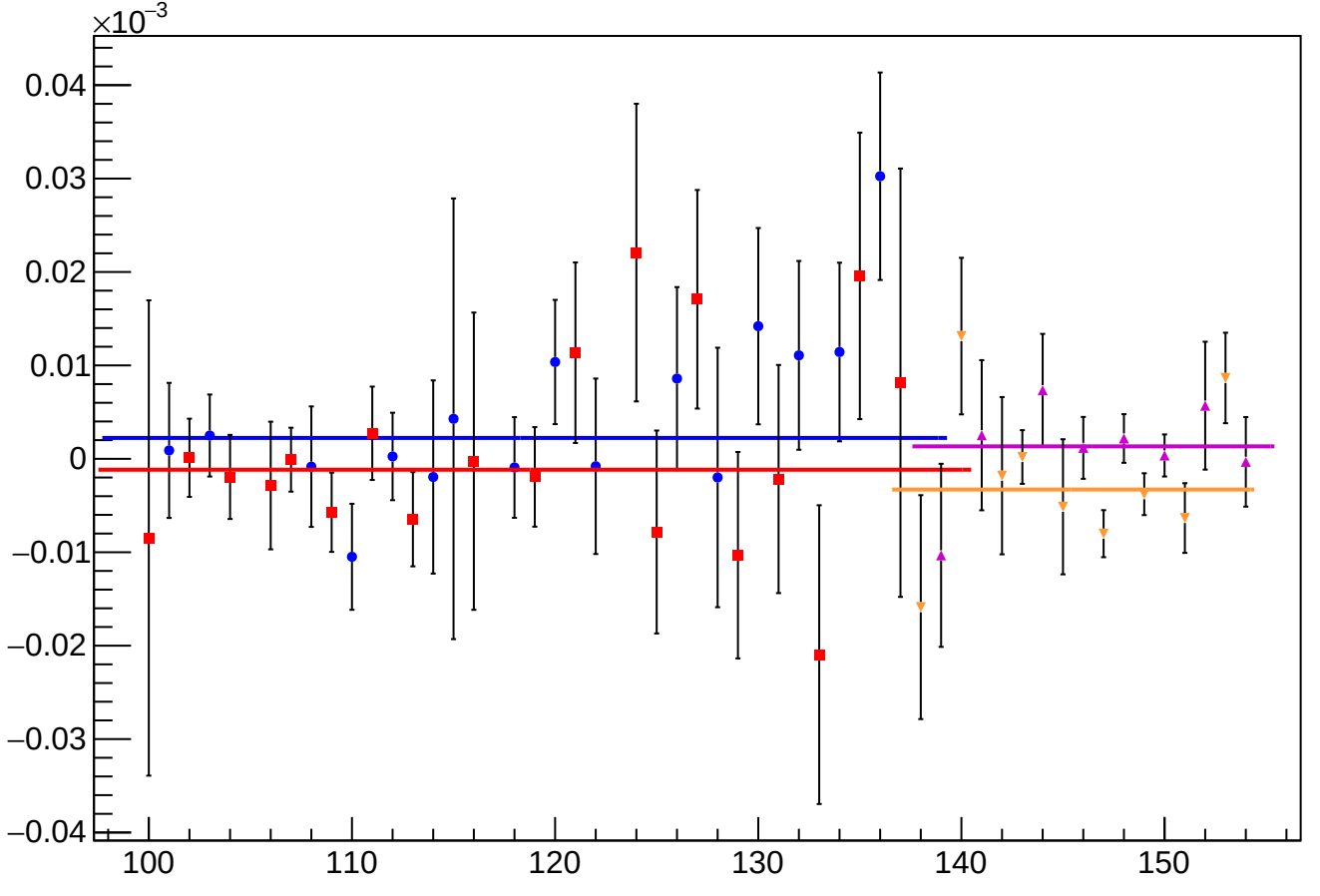
Left: 118.958+/-0.023 χ^2/NDF: 629295.4/16

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 75.118+/-0.016 χ^2/NDF:5886088.9/23

Out: 77.548+/-0.017 χ^2/NDF:5446262.5/27

All: 76.323+/-0.012 χ^2/NDF: 11343234.6/51



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:3.3/7

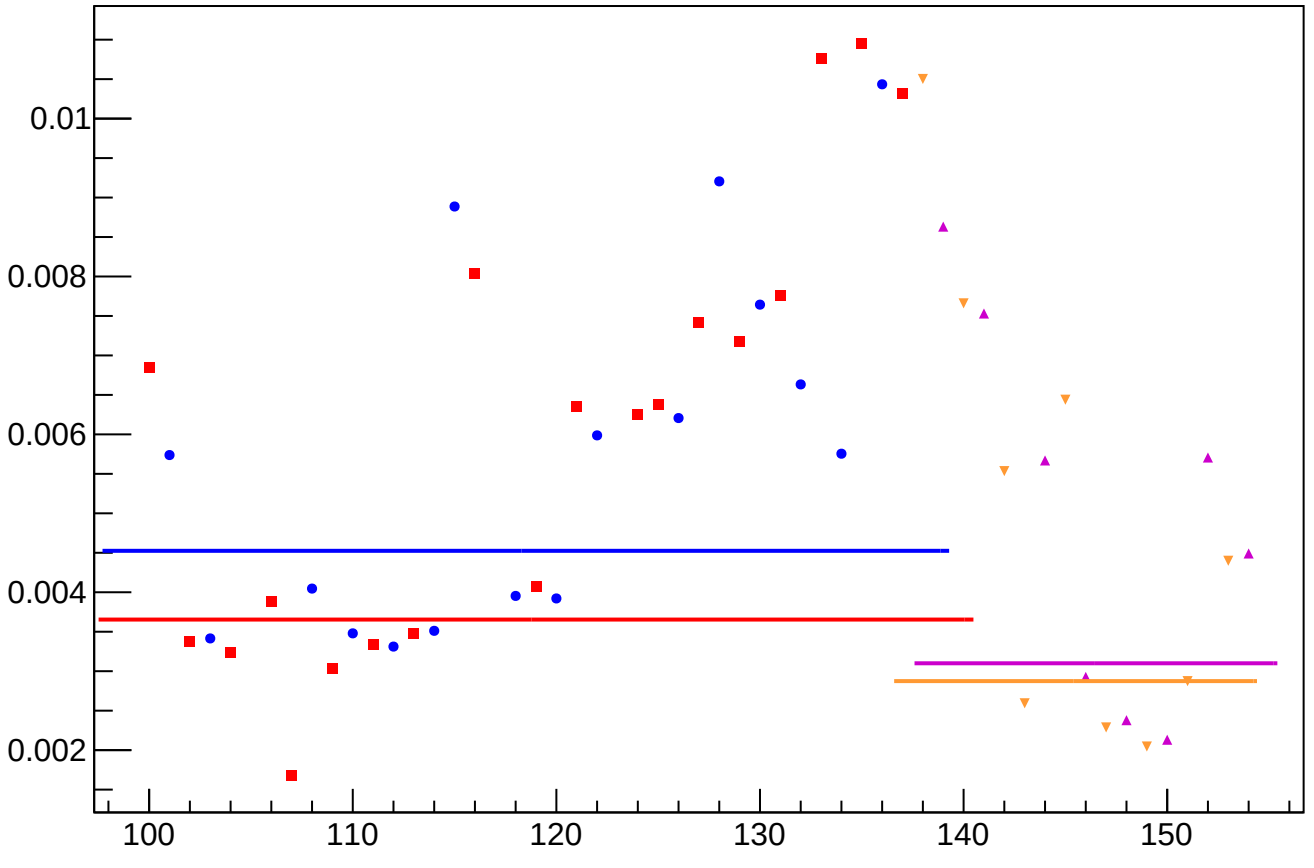
Left: -0.000+/-0.000 χ^2/NDF: 26.5/16

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:20.9/23

Out: -0.000+/-0.000 χ^2/NDF:32.1/27

All: -0.000+/-0.000 χ^2/NDF: 61.0/51



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:2595080.7/7

Left: 0.003+/-0.000 χ^2/NDF: 5373624.7/16

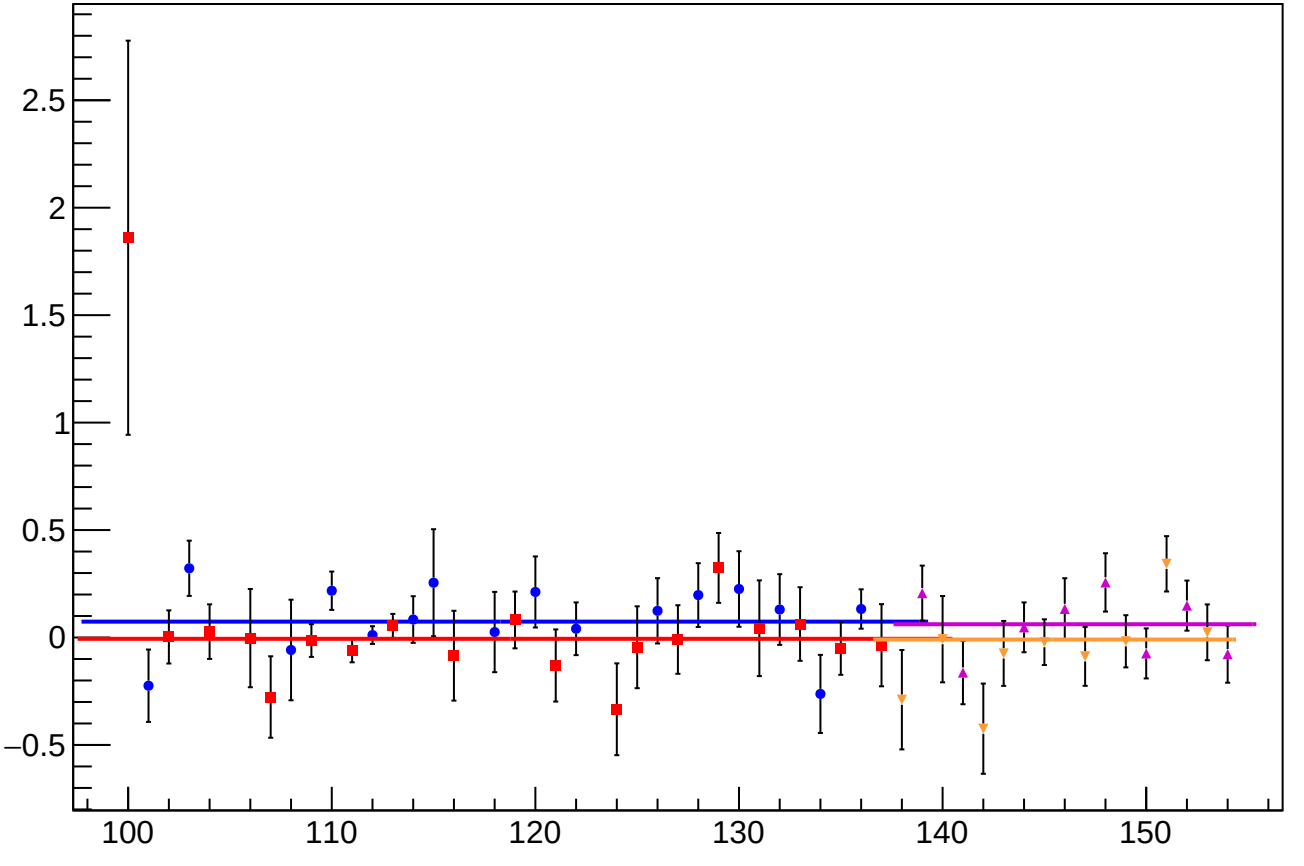
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:5114664.4/23

Out: 0.003+/-0.000 χ^2/NDF:6001675.9/27

All: 0.003+/-0.000 χ^2/NDF: 11281200.4/51

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: 0.062+/-0.045 χ^2/NDF:8.9/7

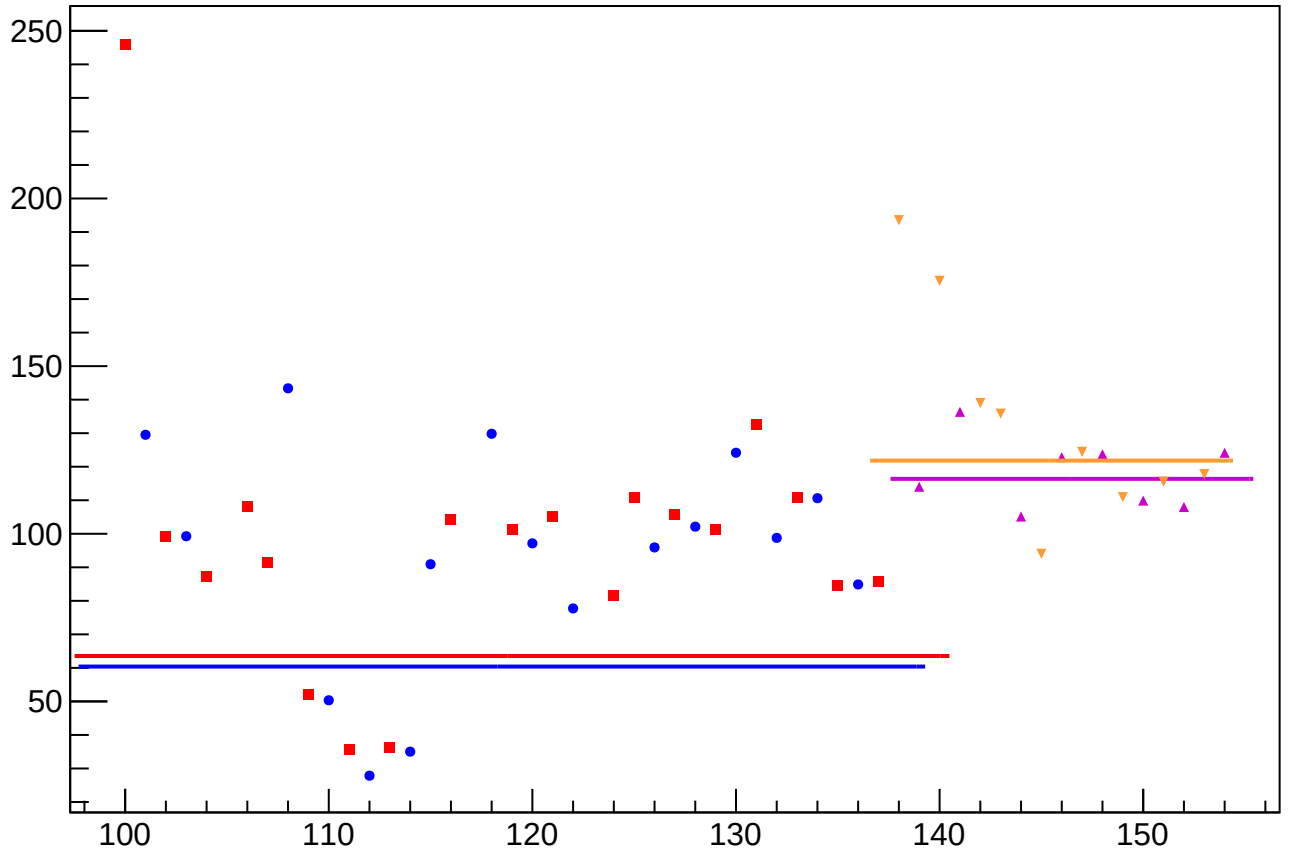
Left: 0.028+/-0.033 χ^2/NDF: 23.6/16

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.023 χ^2/NDF:28.0/23

Out: -0.007+/-0.023 χ^2/NDF:29.9/27

All: 0.032+/-0.016 χ^2/NDF: 63.4/51



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: 116.384+/-0.032 χ^2/NDF:89607.5/7

Left: 118.959+/-0.023 χ^2/NDF: 629270.1/16

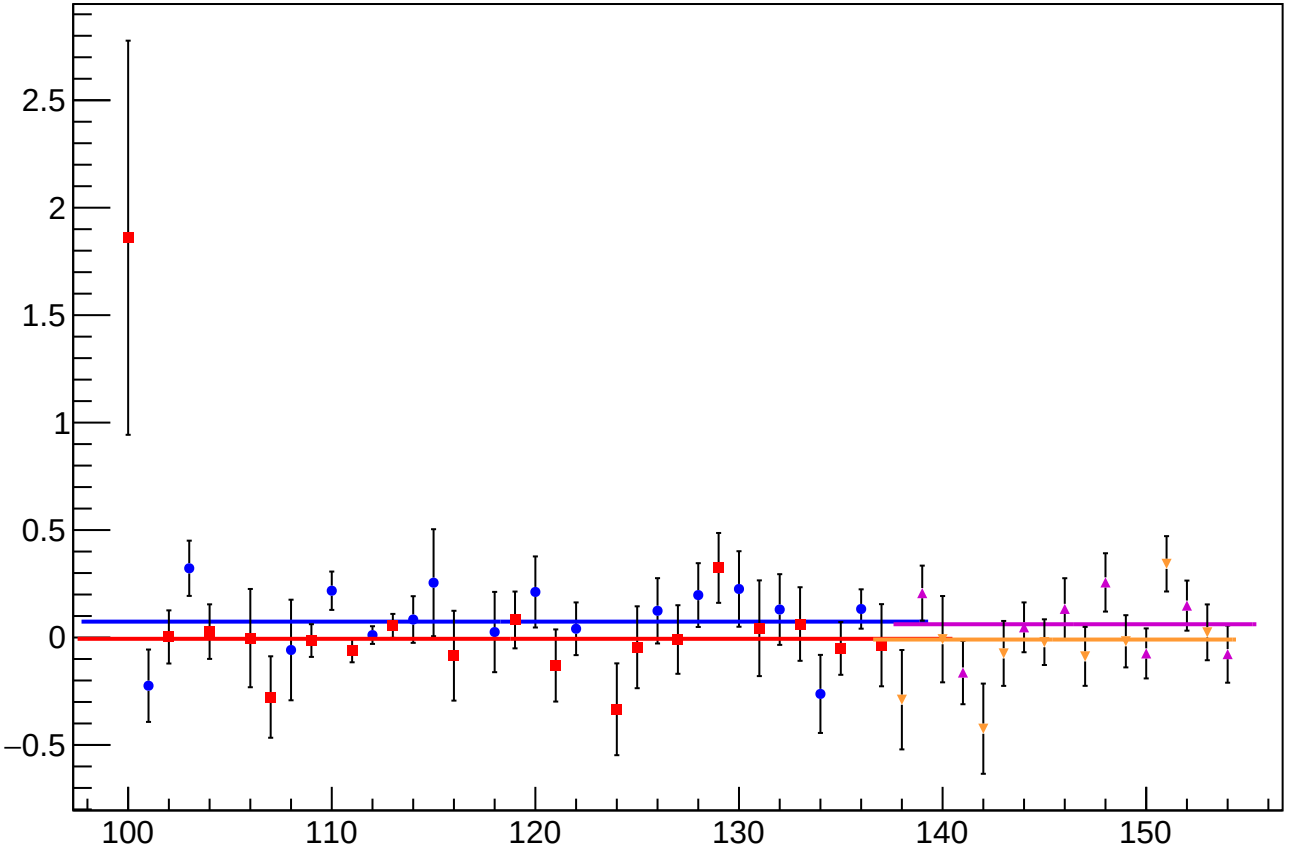
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 75.116+/-0.016 χ^2/NDF:5886601.0/23

Out: 77.546+/-0.017 χ^2/NDF:5446730.6/27

All: 76.321+/-0.012 χ^2/NDF: 11344217.5/51

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: 0.062+/-0.045 χ^2/NDF:8.9/7

Left: 0.028+/-0.033 χ^2/NDF: 23.6/16

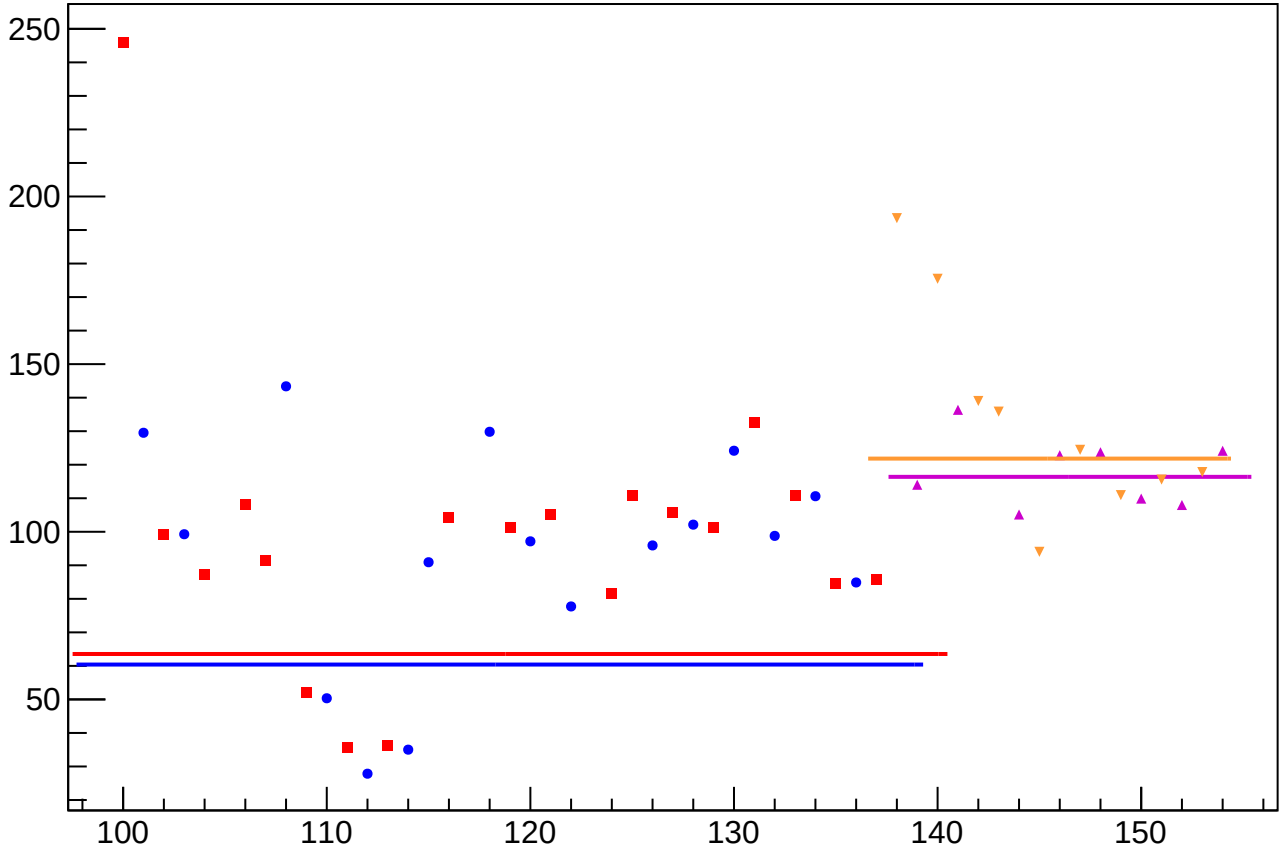
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.023 χ^2/NDF:28.0/23

Out: -0.007+/-0.023 χ^2/NDF:29.9/27

All: 0.032+/-0.016 χ^2/NDF: 63.4/51

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: 116.384+/-0.032 χ^2/NDF:89607.5/7

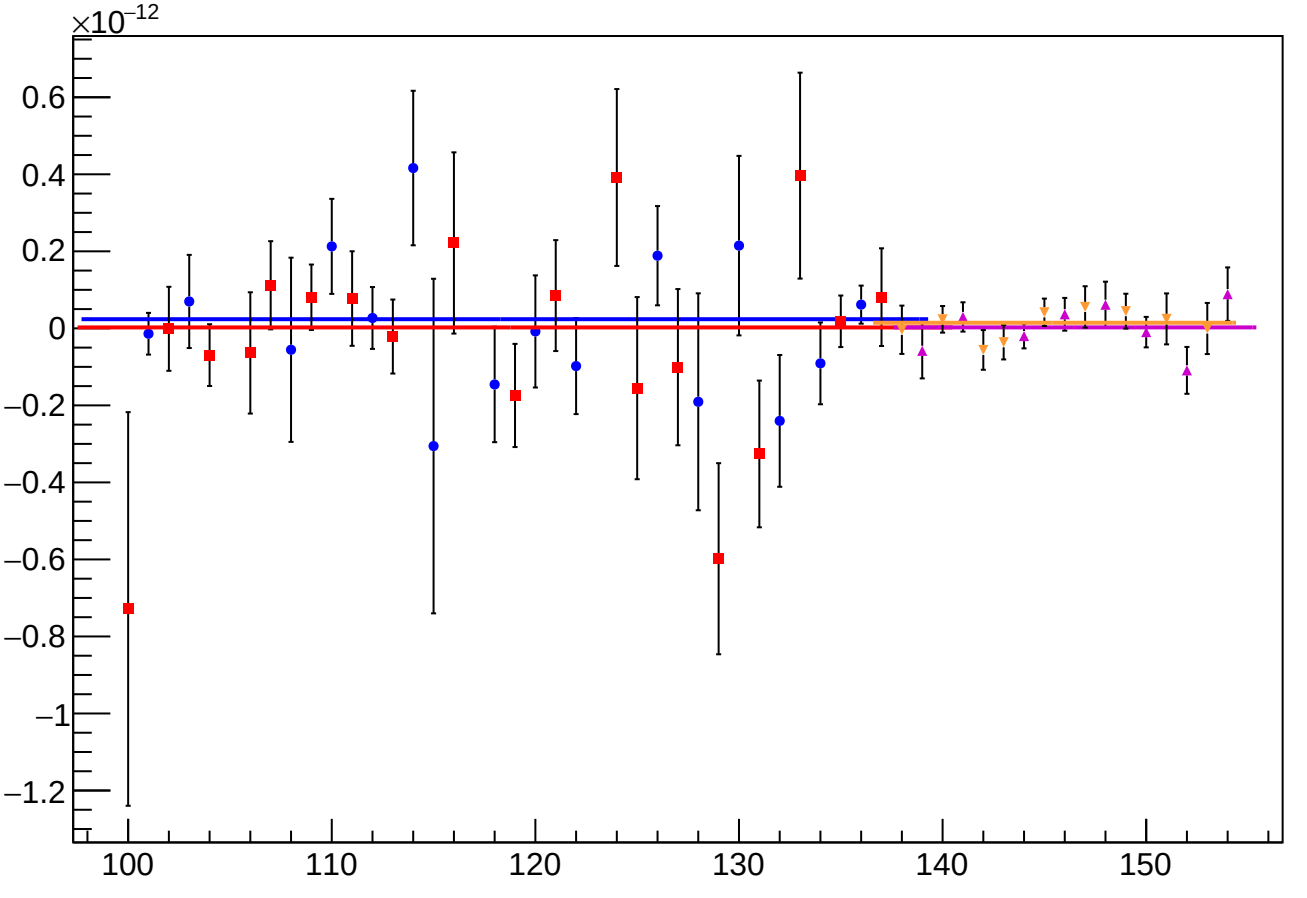
Left: 118.959+/-0.023 χ^2/NDF: 629270.1/16

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 75.116+/-0.016 χ^2/NDF:5886601.0/23

Out: 77.546+/-0.017 χ^2/NDF:5446730.6/27

All: 76.321+/-0.012 χ^2/NDF: 11344217.5/51



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:8.3/7

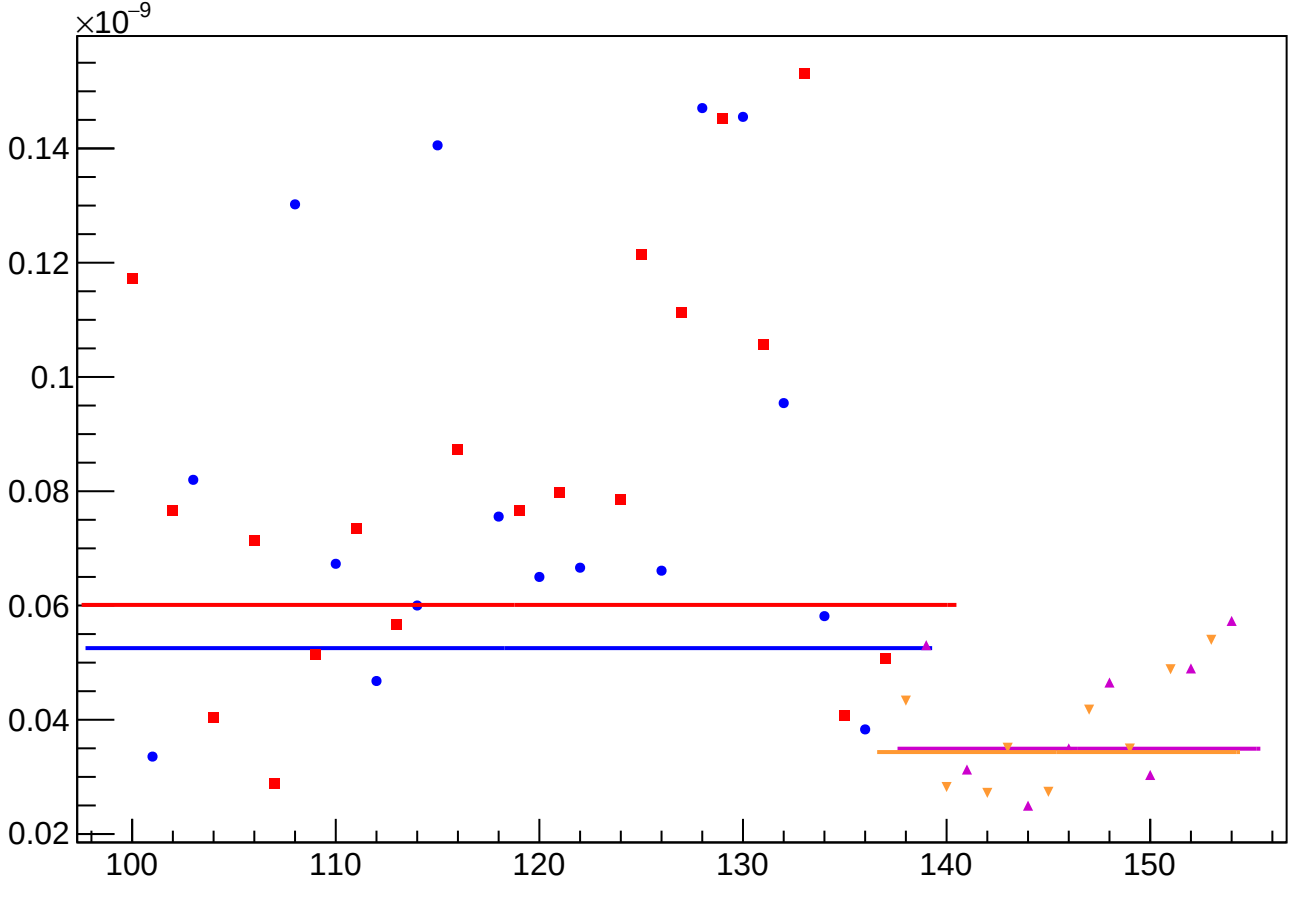
Left: 0.000+/-0.000 χ^2/NDF: 13.6/16

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:25.6/23

Out: 0.000+/-0.000 χ^2/NDF:28.3/27

All: 0.000+/-0.000 χ^2/NDF: 54.0/51



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:757705.5/7

Left: 0.000+/-0.000 χ^2/NDF: 1287936.1/16

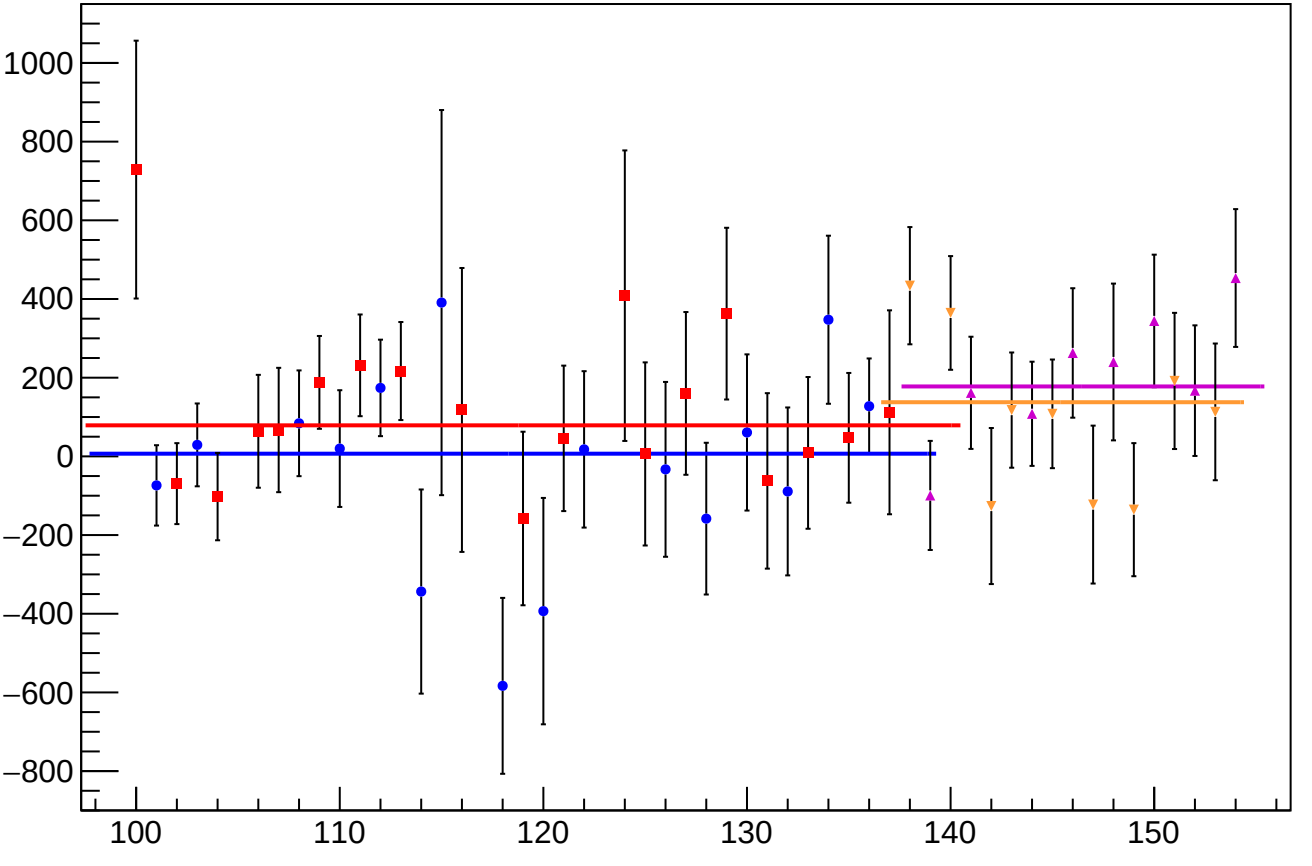
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3060577.1/23

Out: 0.000+/-0.000 χ^2/NDF:3295815.0/27

All: 0.000+/-0.000 χ^2/NDF: 6357391.7/51

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: 177.730+/-55.511 χ^2/NDF:8.1/7

Left: 157.115+/-38.684 χ^2/NDF: 21.0/16

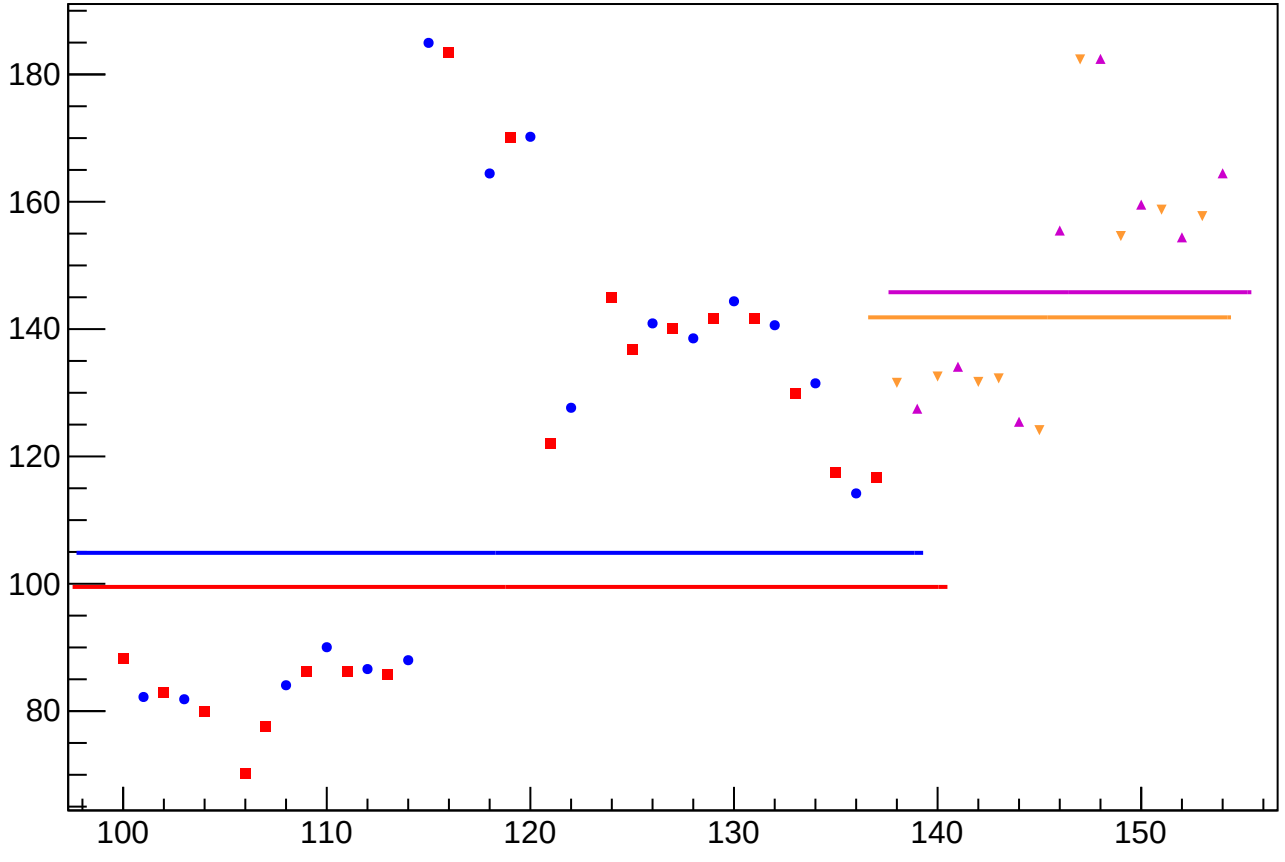
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 65.904+/-32.640 χ^2/NDF:33.1/23

Out: 98.311+/-31.013 χ^2/NDF:30.1/27

All: 82.936+/-22.483 χ^2/NDF: 63.7/51

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: 145.793+/-0.039 χ^2/NDF:211601.3/7

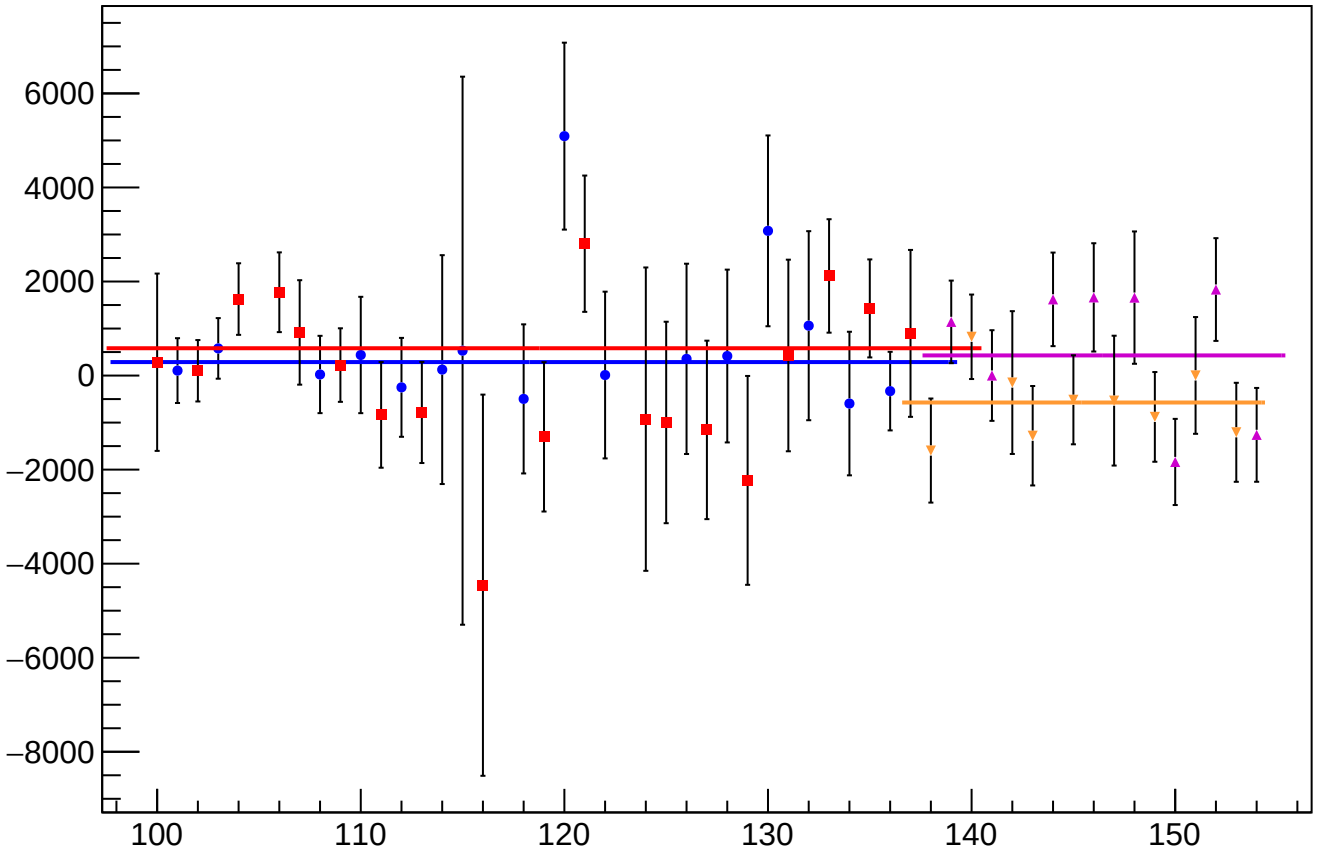
Left: 143.763+/-0.027 χ^2/NDF: 410052.1/16

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 119.012+/-0.023 χ^2/NDF:1854335.1/23

Out: 113.505+/-0.022 χ^2/NDF:2057196.4/27

All: 116.118+/-0.016 χ^2/NDF: 3941450.6/51



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: 428.527+/-360.884 χ^2/NDF:14.8/7

Left: -72.020+/-255.217 χ^2/NDF: 23.2/16

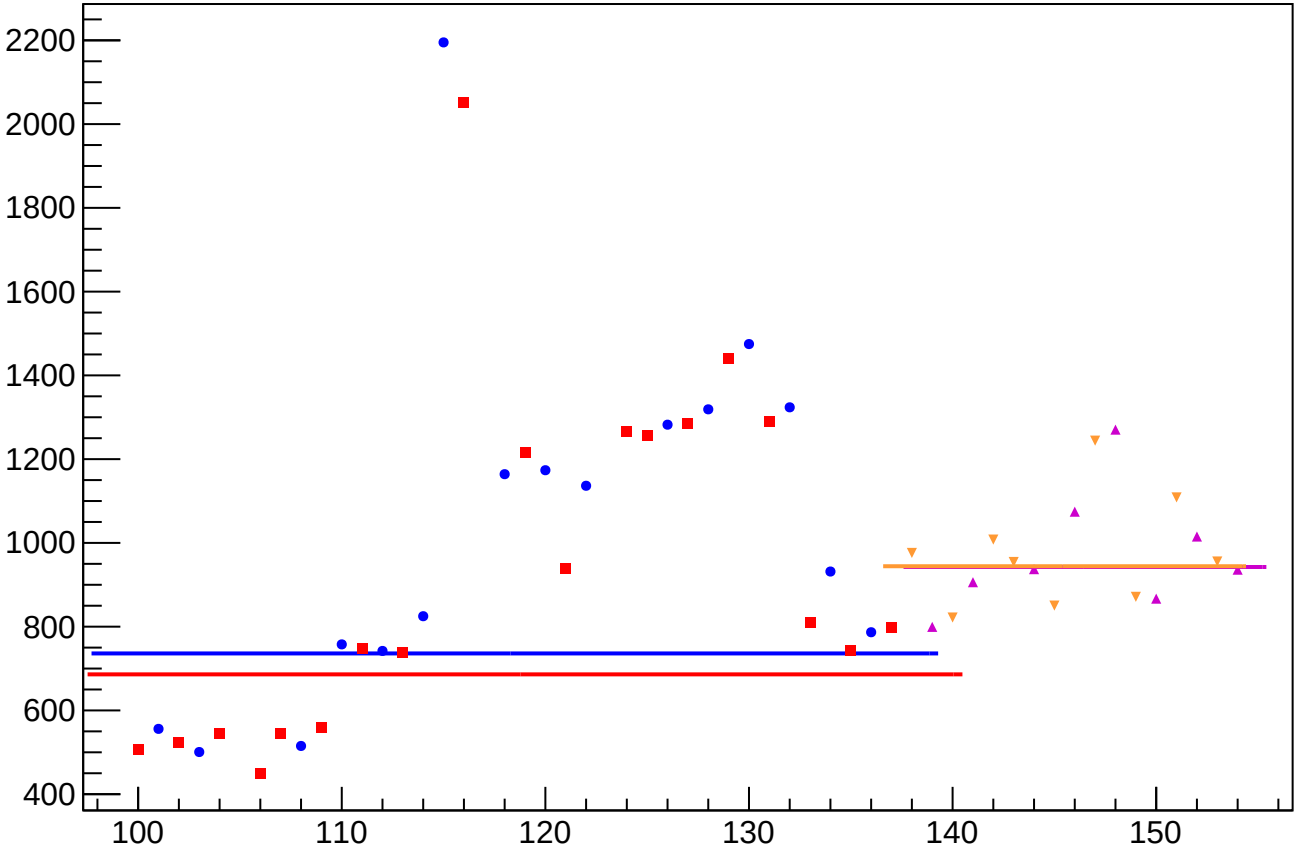
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 343.286+/-227.690 χ^2/NDF:24.6/23

Out: 167.646+/-216.095 χ^2/NDF:29.8/27

All: 250.880+/-156.741 χ^2/NDF: 54.7/51

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: 942.470+/-0.255 χ^2/NDF:213490.1/7

Left: 943.377+/-0.180 χ^2/NDF: 417058.4/16

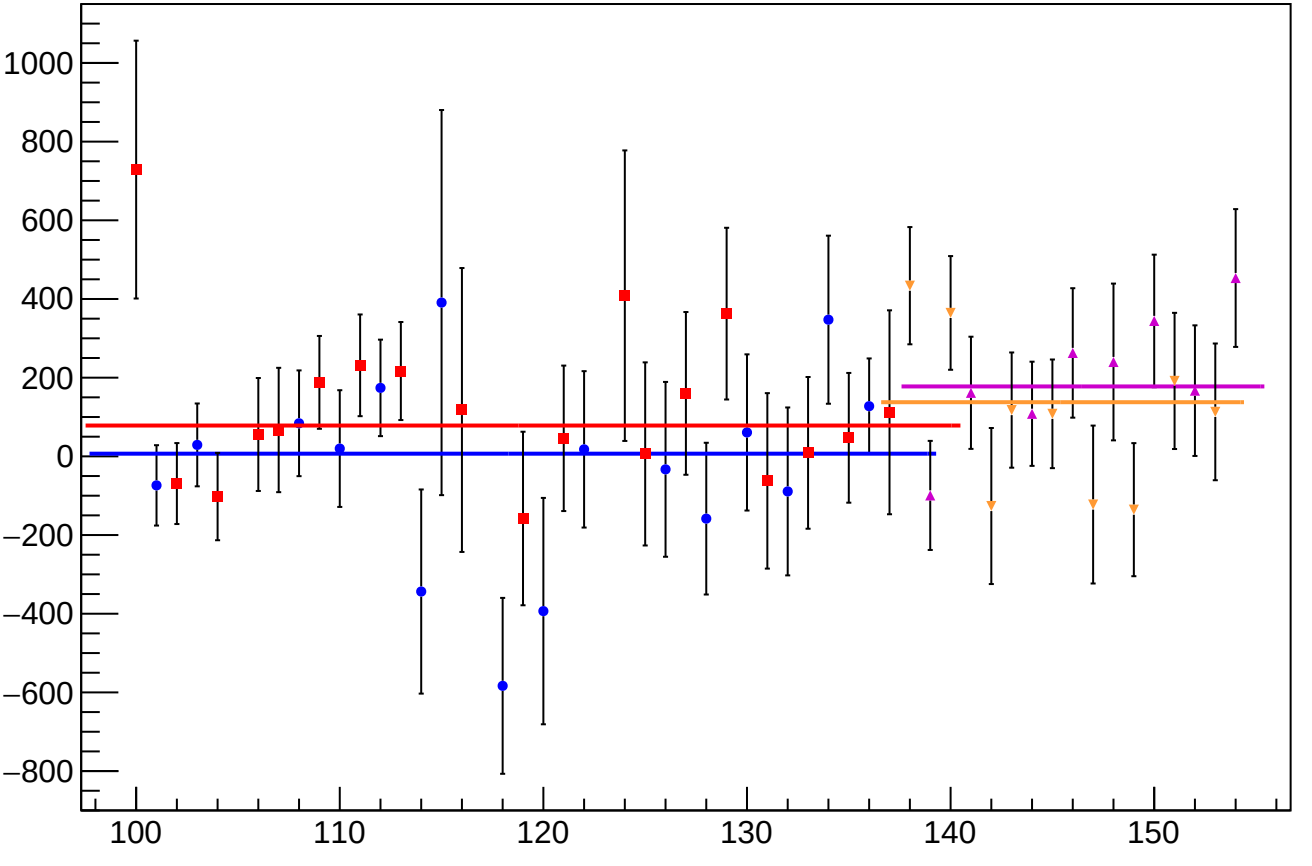
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 818.239+/-0.161 χ^2/NDF:2451722.2/23

Out: 778.630+/-0.153 χ^2/NDF:2679144.6/27

All: 797.400+/-0.111 χ^2/NDF: 5162709.2/51

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: 177.729+/-55.511 χ^2/NDF:8.1/7

Left: 157.116+/-38.684 χ^2/NDF: 21.0/16

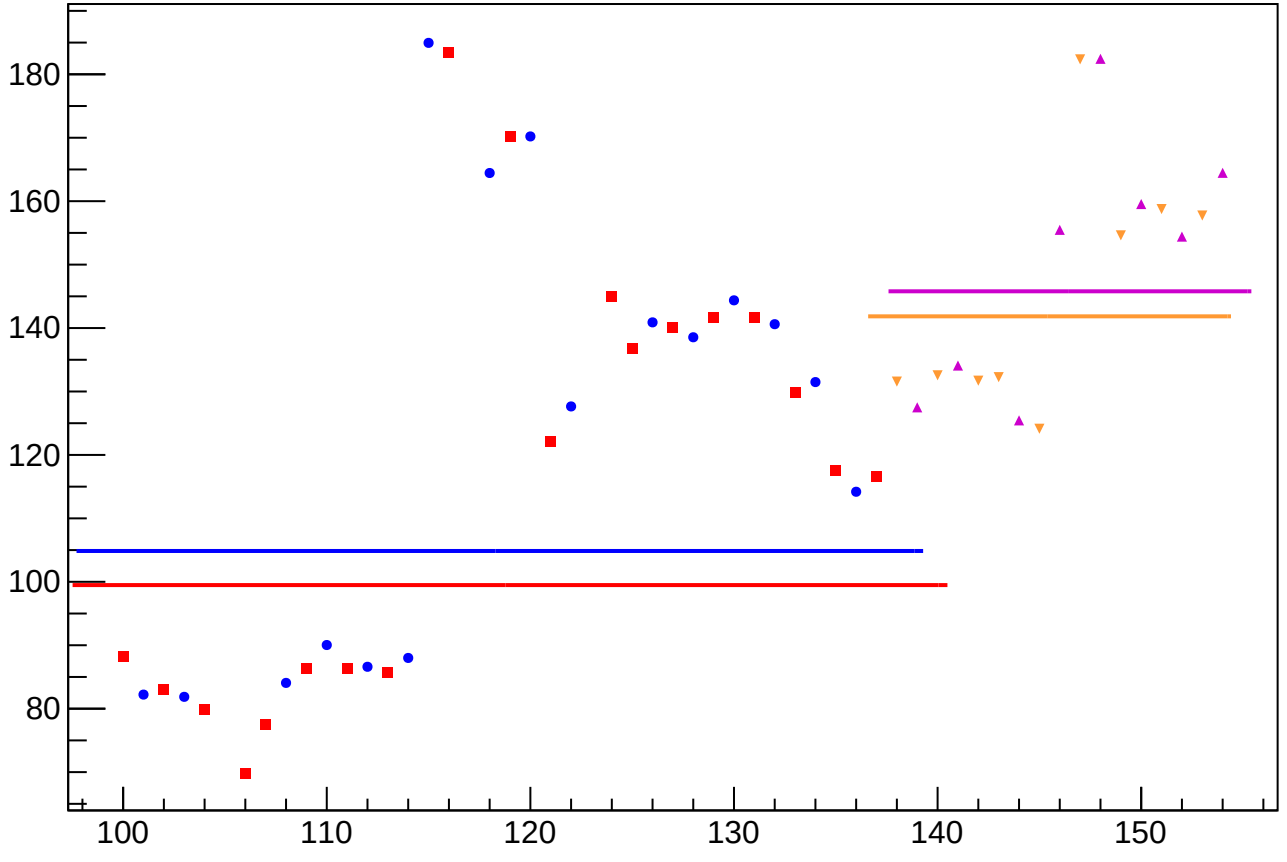
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 65.896+/-32.640 χ^2/NDF:33.1/23

Out: 97.956+/-31.015 χ^2/NDF:30.2/27

All: 82.744+/-22.483 χ^2/NDF: 63.8/51

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: 145.793+/-0.039 χ^2/NDF:211601.3/7

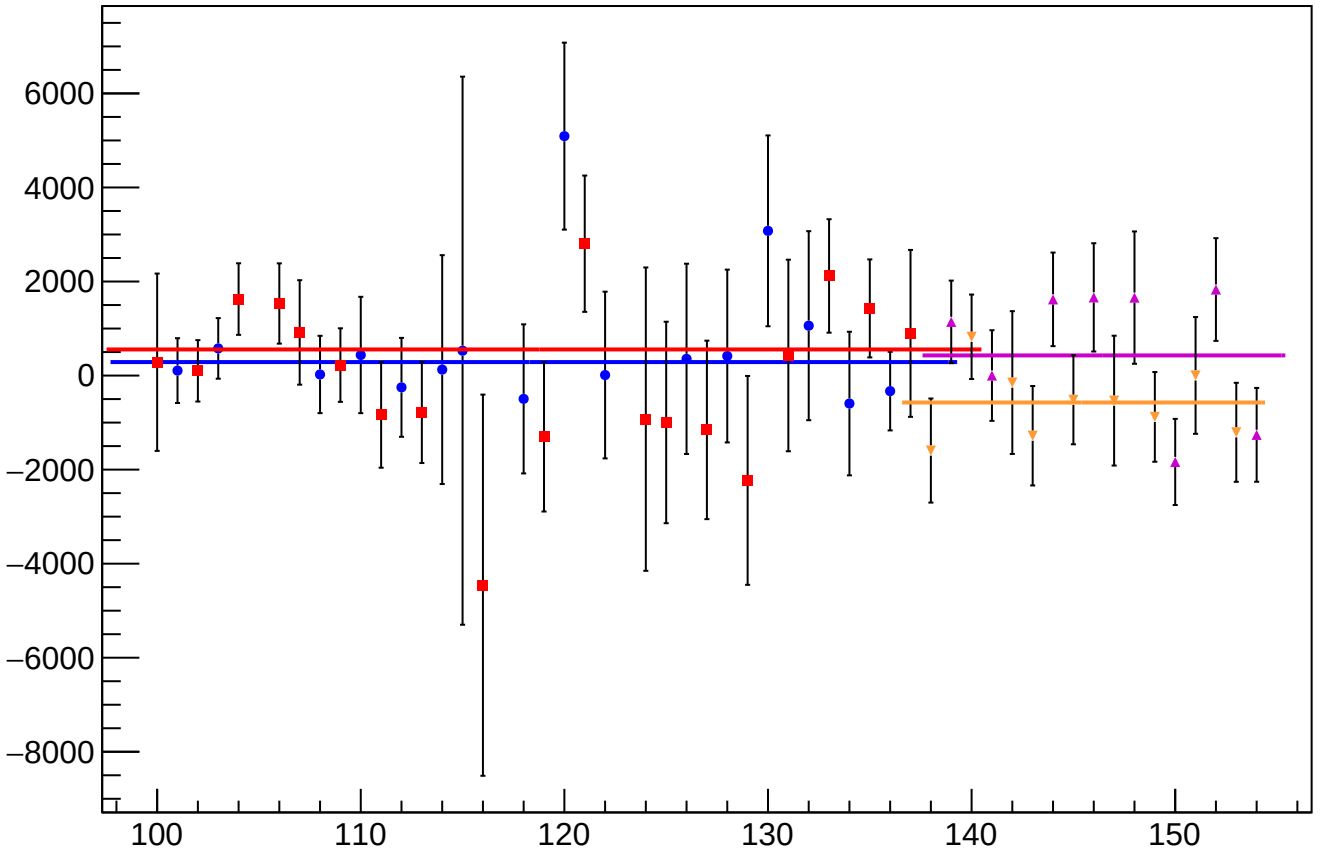
Left: 143.763+/-0.027 χ^2/NDF: 410052.1/16

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 119.012+/-0.023 χ^2/NDF:1854333.8/23

Out: 113.490+/-0.022 χ^2/NDF:2060275.7/27

All: 116.110+/-0.016 χ^2/NDF: 3944686.9/51



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: 428.520+/-360.884 χ^2/NDF:14.8/7

Left: -72.021+/-255.217 χ^2/NDF: 23.2/16

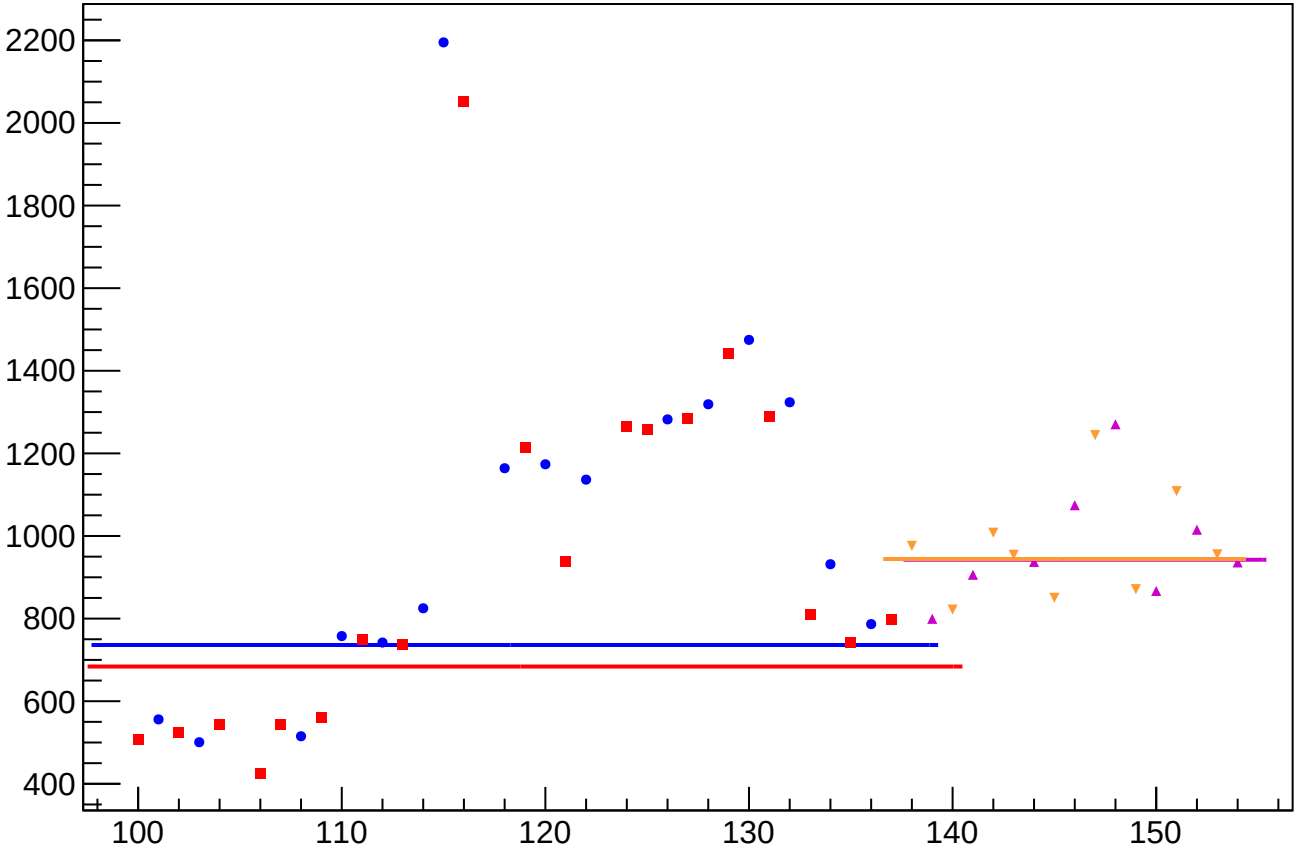
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 343.284+/-227.690 χ^2/NDF:24.6/23

Out: 150.763+/-216.187 χ^2/NDF:28.8/27

All: 242.038+/-156.776 χ^2/NDF: 53.8/51

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: 942.470+/-0.255 χ^2/NDF:213490.2/7

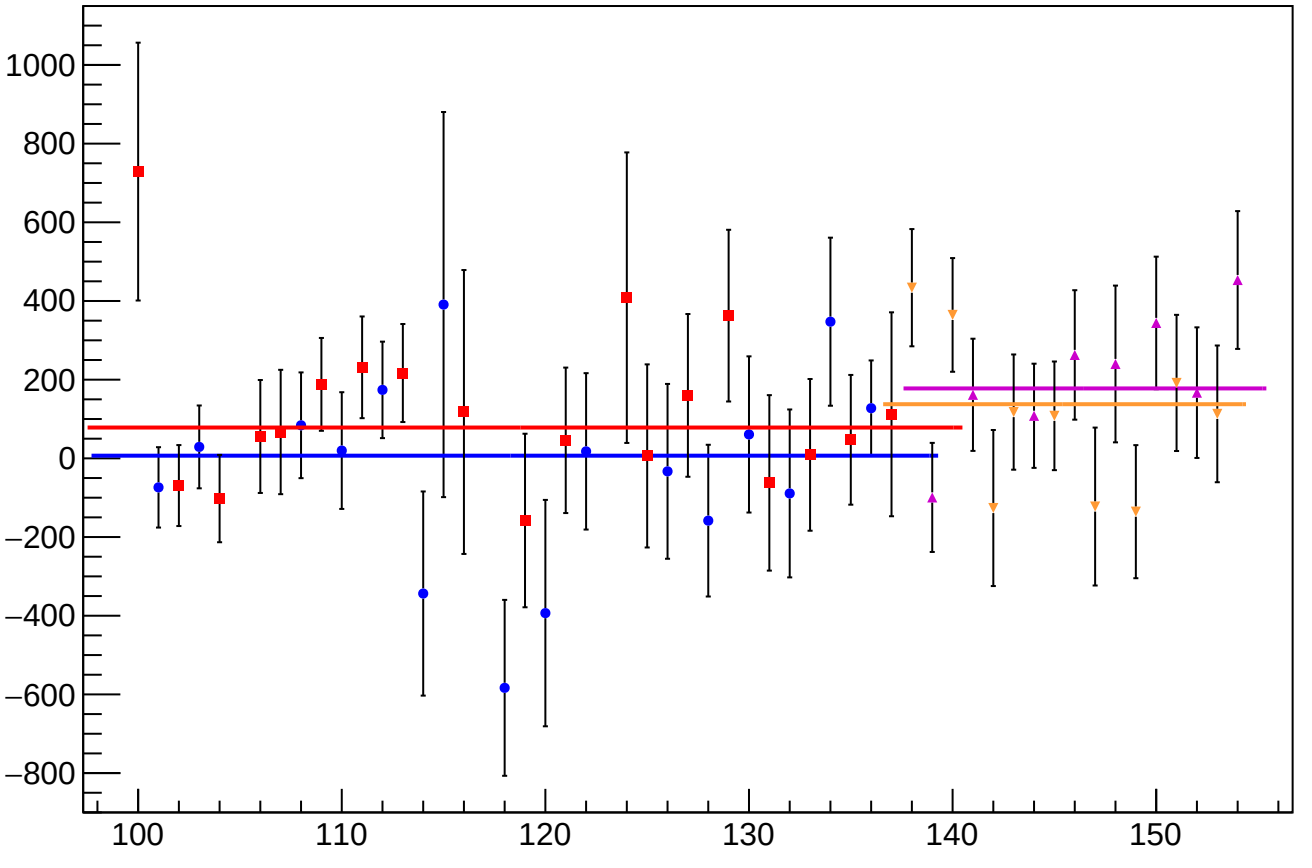
Left: 943.377+/-0.180 χ^2/NDF: 417058.1/16

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 818.238+/-0.161 χ^2/NDF:2451727.3/23

Out: 777.344+/-0.153 χ^2/NDF:2720918.9/27

All: 796.732+/-0.111 χ^2/NDF: 5206575.5/51



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: 177.729+/-55.511 χ^2/NDF:8.1/7

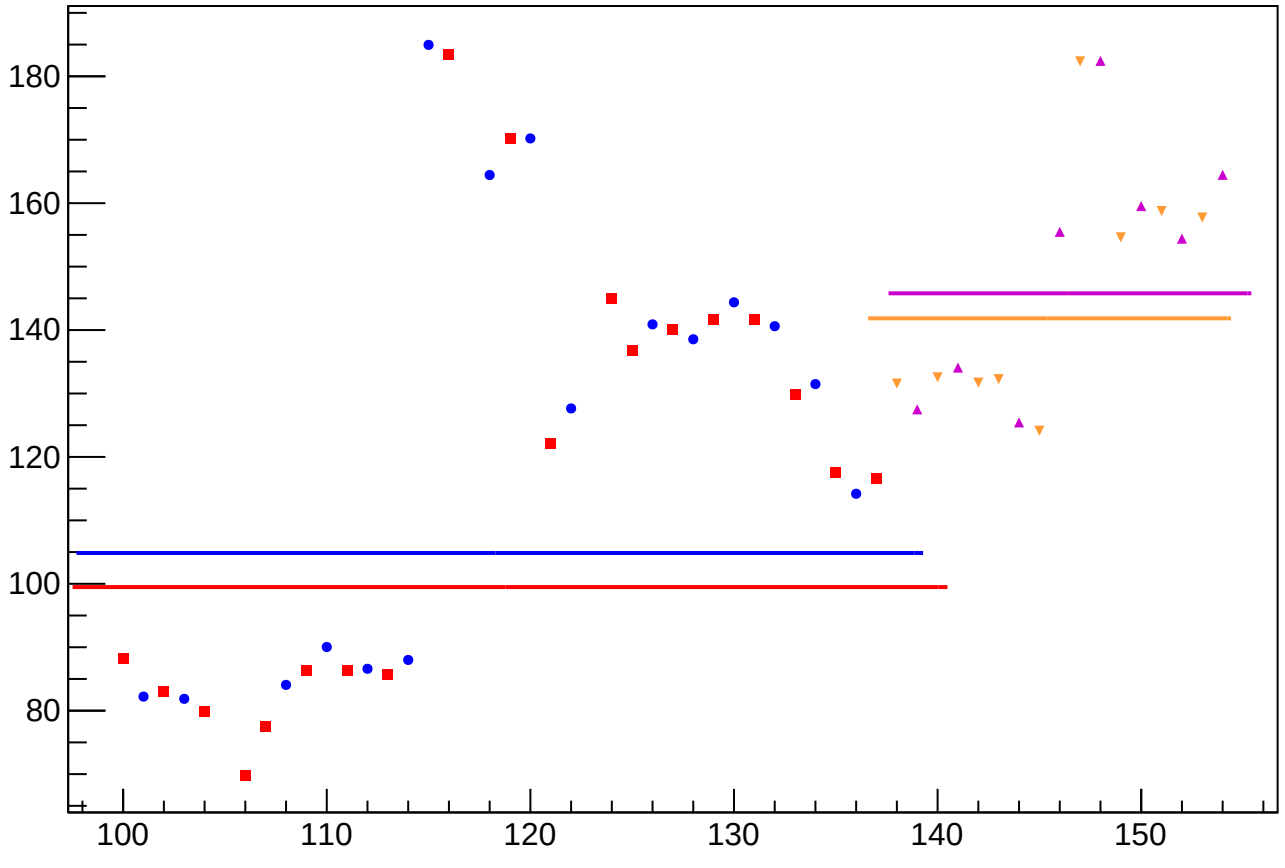
Left: 157.116+/-38.684 χ^2/NDF: 21.0/16

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 65.896+/-32.640 χ^2/NDF:33.1/23

Out: 97.956+/-31.015 χ^2/NDF:30.2/27

All: 82.744+/-22.483 χ^2/NDF: 63.8/51



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: 145.793+/-0.039 χ^2/NDF:211601.3/7

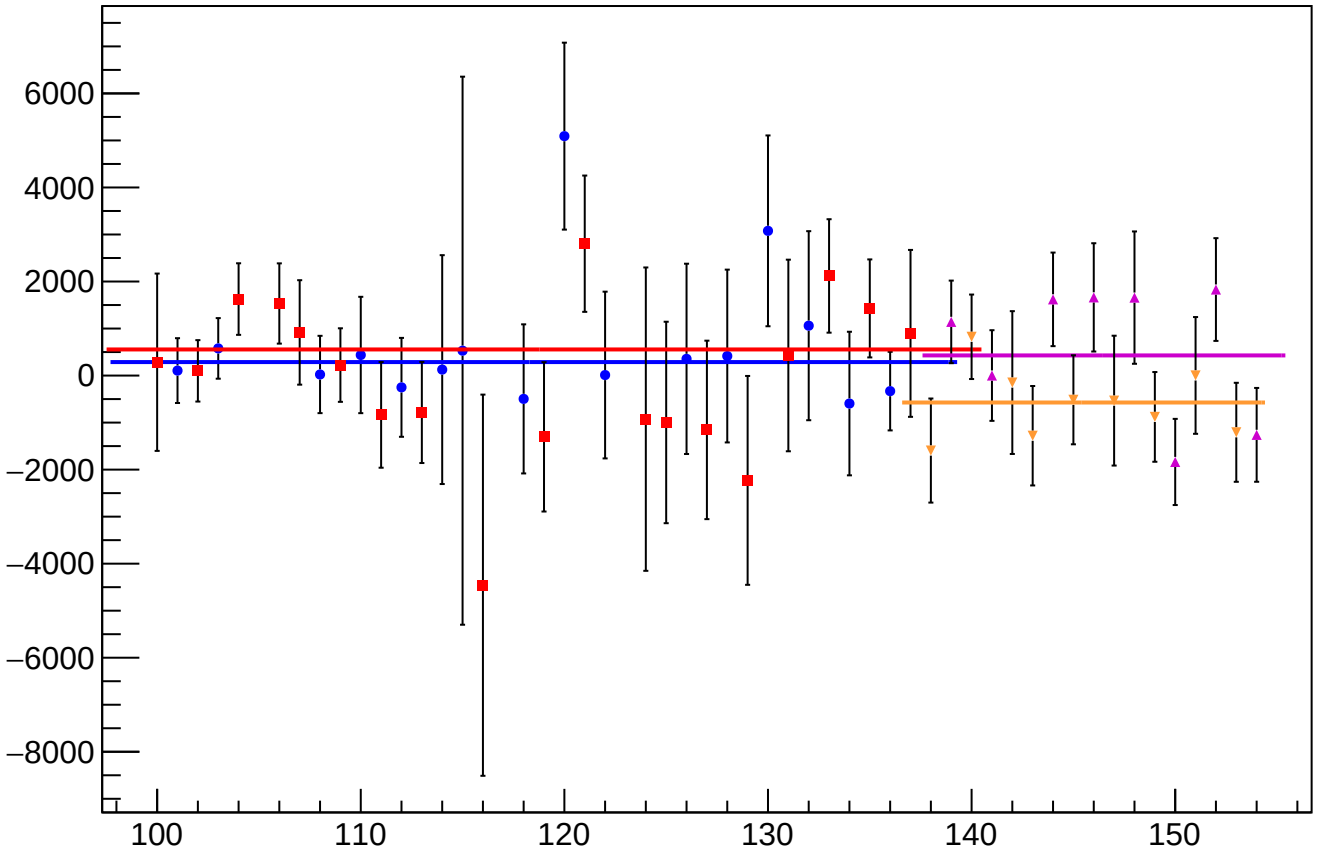
Left: 143.763+/-0.027 χ^2/NDF: 410052.1/16

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 119.012+/-0.023 χ^2/NDF:1854333.8/23

Out: 113.490+/-0.022 χ^2/NDF:2060275.7/27

All: 116.110+/-0.016 χ^2/NDF: 3944686.9/51



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: 428.520+/-360.884 χ^2/NDF:14.8/7

Left: -72.021+/-255.217 χ^2/NDF: 23.2/16

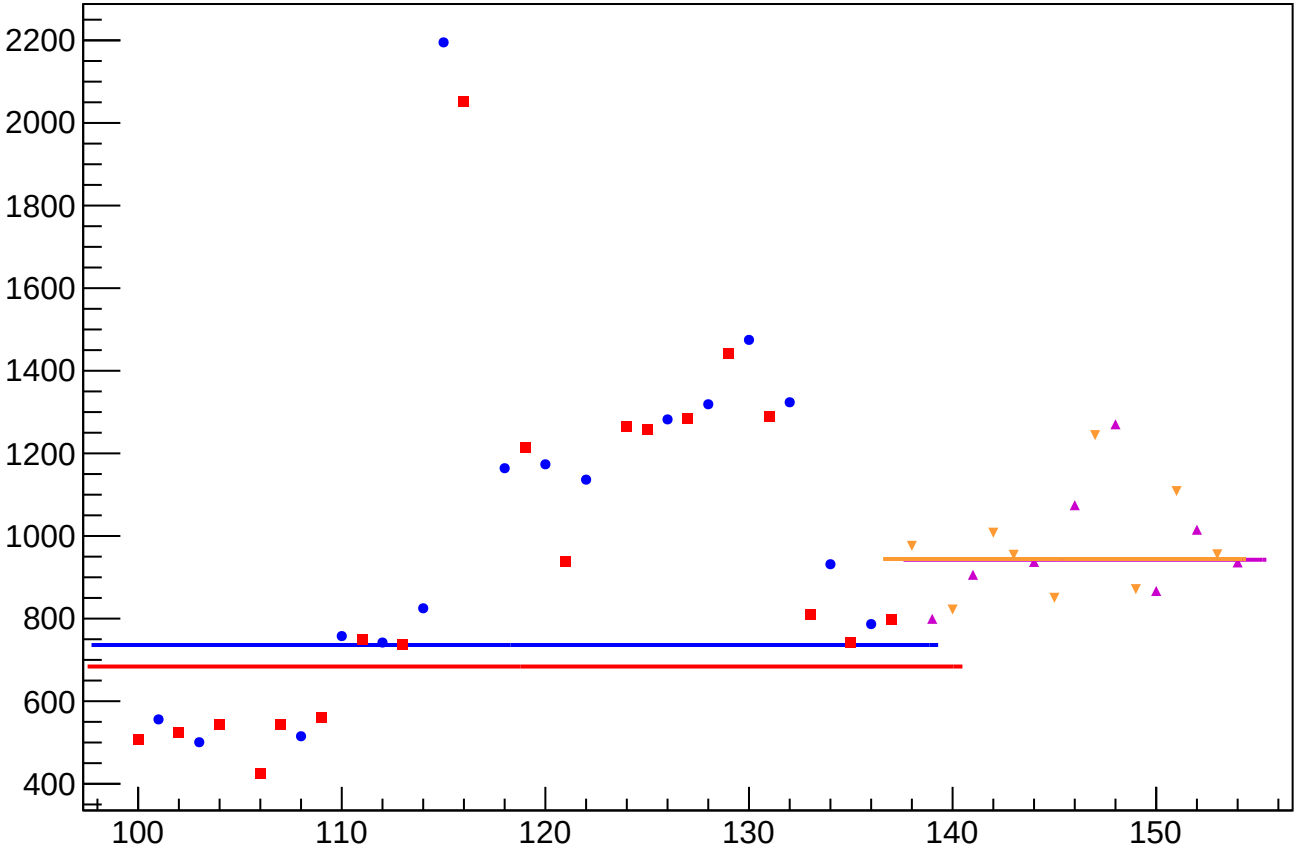
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 343.284+/-227.690 χ^2/NDF:24.6/23

Out: 150.763+/-216.187 χ^2/NDF:28.8/27

All: 242.038+/-156.776 χ^2/NDF: 53.8/51

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: 942.470+/-0.255 χ^2/NDF:213490.2/7

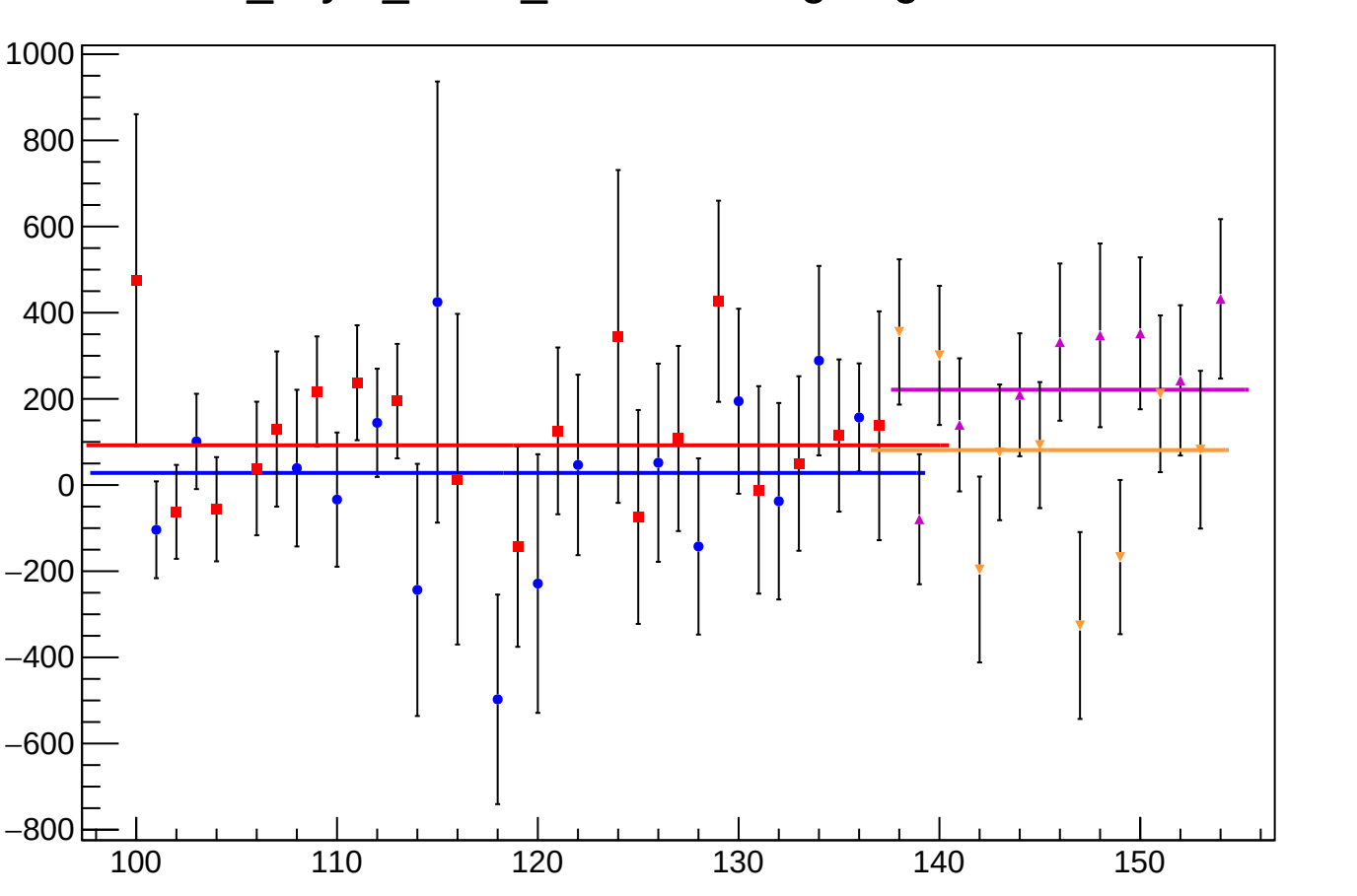
Left: 943.377+/-0.180 χ^2/NDF: 417058.1/16

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 818.238+/-0.161 χ^2/NDF:2451727.3/23

Out: 777.344+/-0.153 χ^2/NDF:2720918.9/27

All: 796.732+/-0.111 χ^2/NDF: 5206575.5/51



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: 221.195+/-59.629 χ^2/NDF:6.8/7

Left: 149.543+/-41.672 χ^2/NDF: 21.8/16

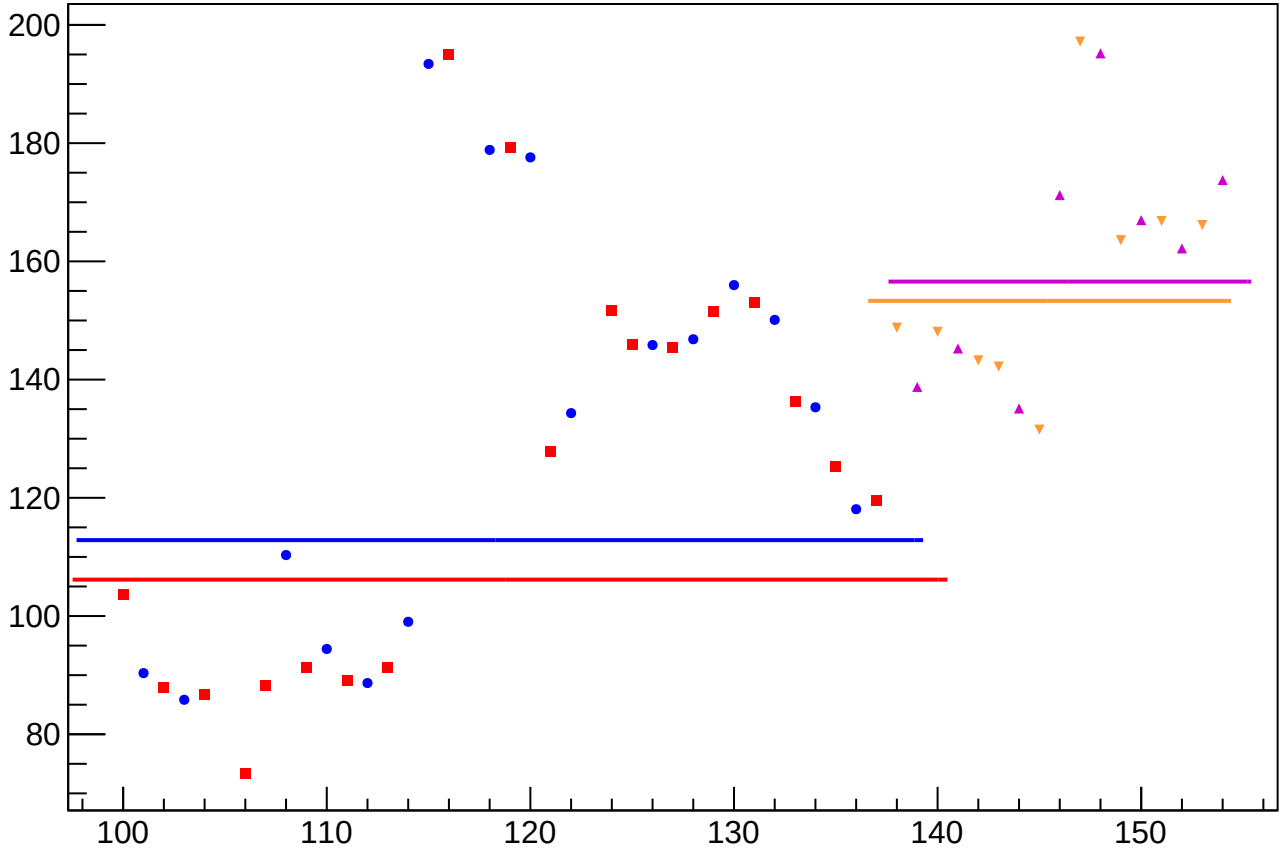
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 95.042+/-35.110 χ^2/NDF:27.2/23

Out: 88.624+/-33.276 χ^2/NDF:23.9/27

All: 91.661+/-24.152 χ^2/NDF: 51.1/51

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: 156.577+/-0.042 χ^2/NDF:188644.2/7

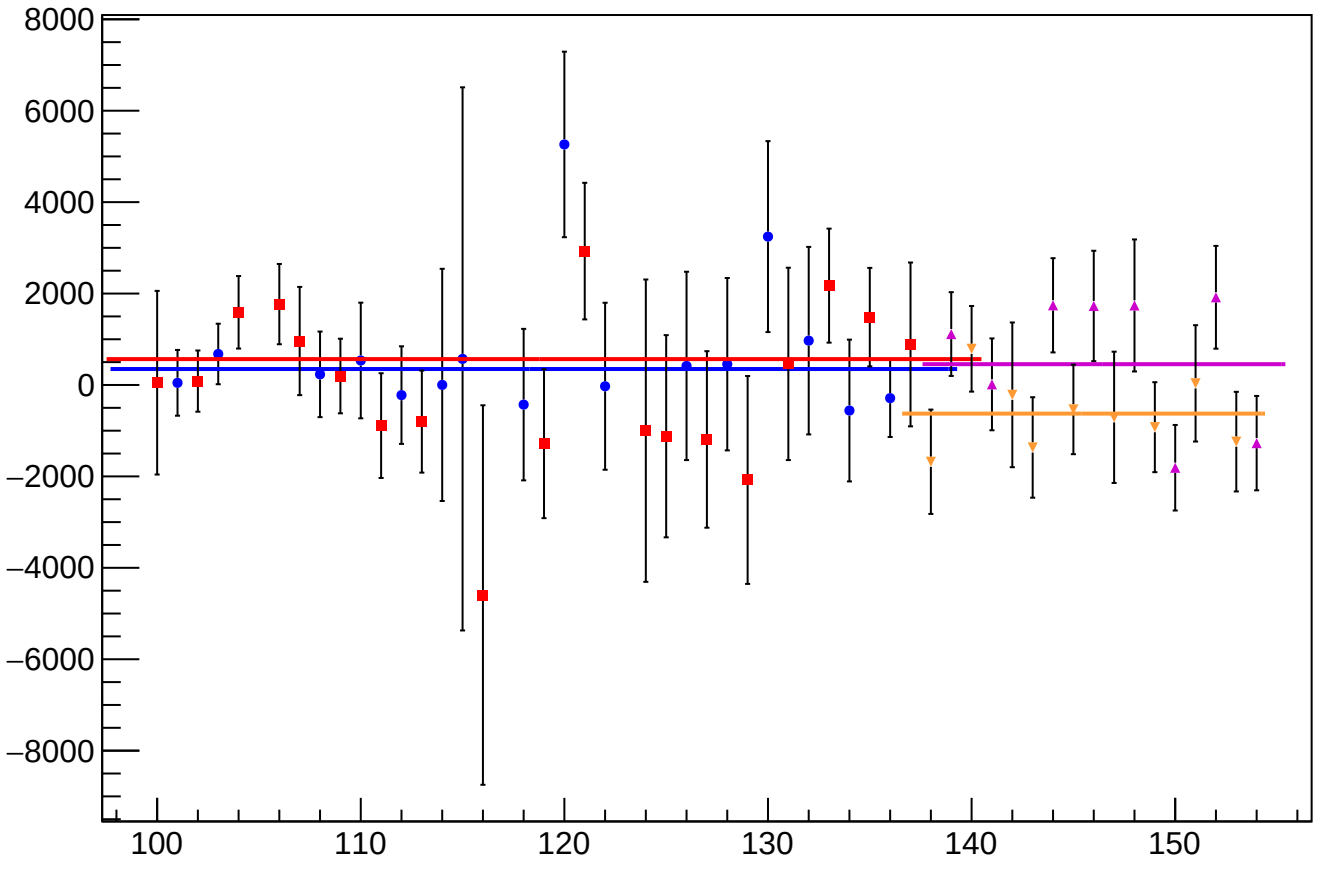
Left: 154.911+/-0.029 χ^2/NDF: 363151.2/16

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 128.005+/-0.025 χ^2/NDF:1763740.3/23

Out: 121.544+/-0.024 χ^2/NDF:2056634.3/27

All: 124.601+/-0.017 χ^2/NDF: 3856061.8/51



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: 454.868+/-373.750 χ^2/NDF:14.5/7

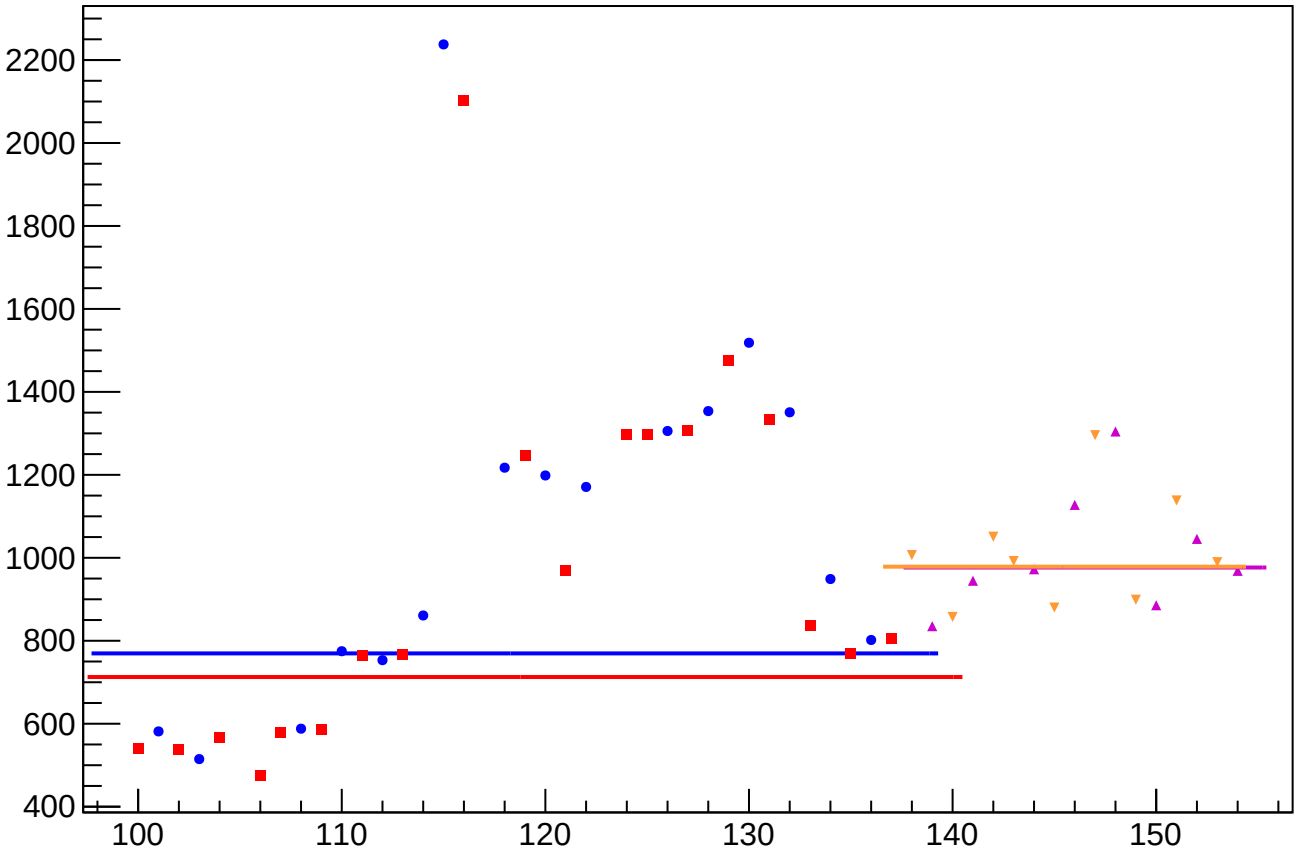
Left: -85.571+/-264.332 χ^2/NDF: 23.1/16

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 391.442+/-236.456 χ^2/NDF:24.4/23

Out: 139.101+/-223.720 χ^2/NDF:29.2/27

All: 258.293+/-162.510 χ^2/NDF: 54.2/51



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: 976.617+/-0.264 χ^2/NDF:210660.9/7

Left: 977.619+/-0.187 χ^2/NDF: 412337.8/16

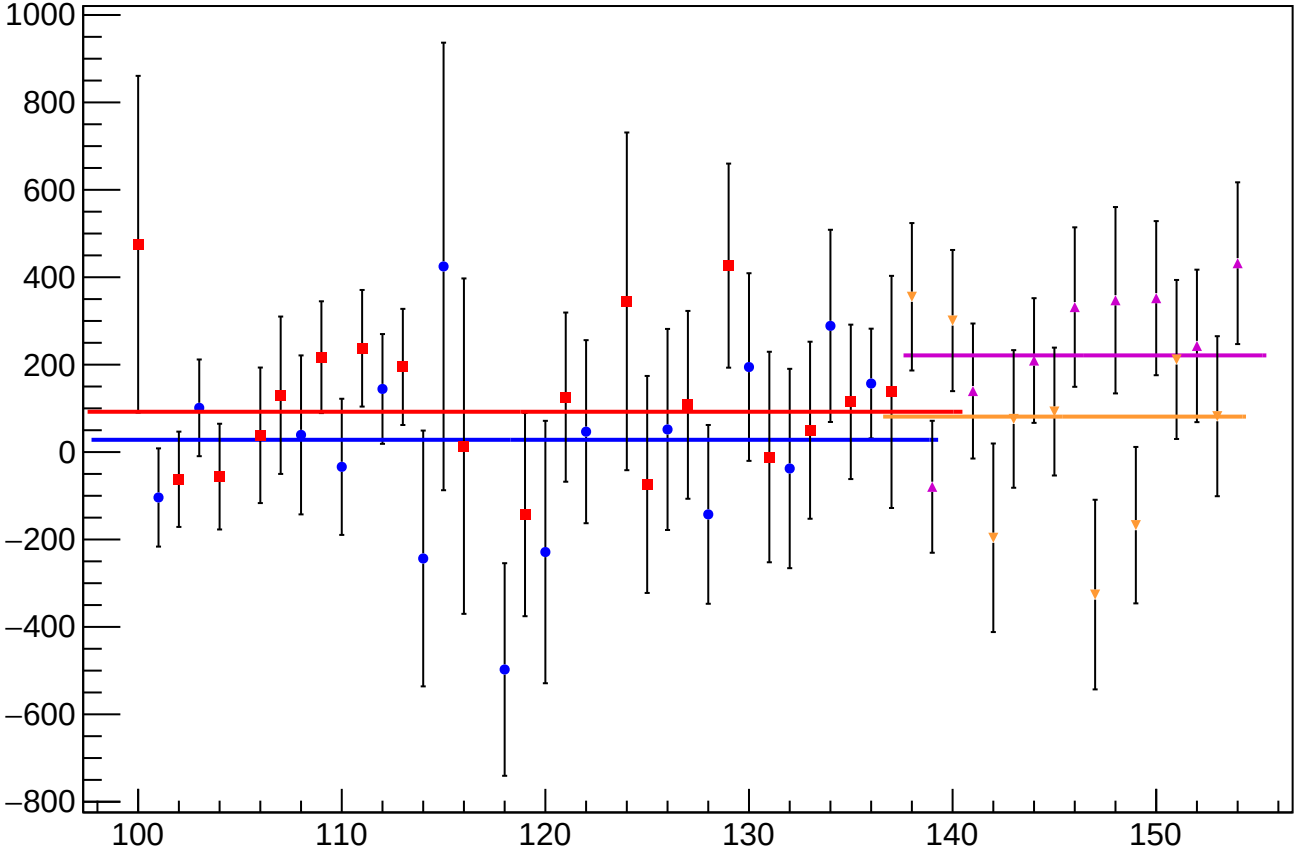
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 852.434+/-0.167 χ^2/NDF:2318747.4/23

Out: 807.860+/-0.158 χ^2/NDF:2618696.0/27

All: 828.914+/-0.115 χ^2/NDF: 4974944.6/51

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



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: 221.196+/-59.629 χ^2/NDF:6.8/7

Left: 149.544+/-41.672 χ^2/NDF: 21.8/16

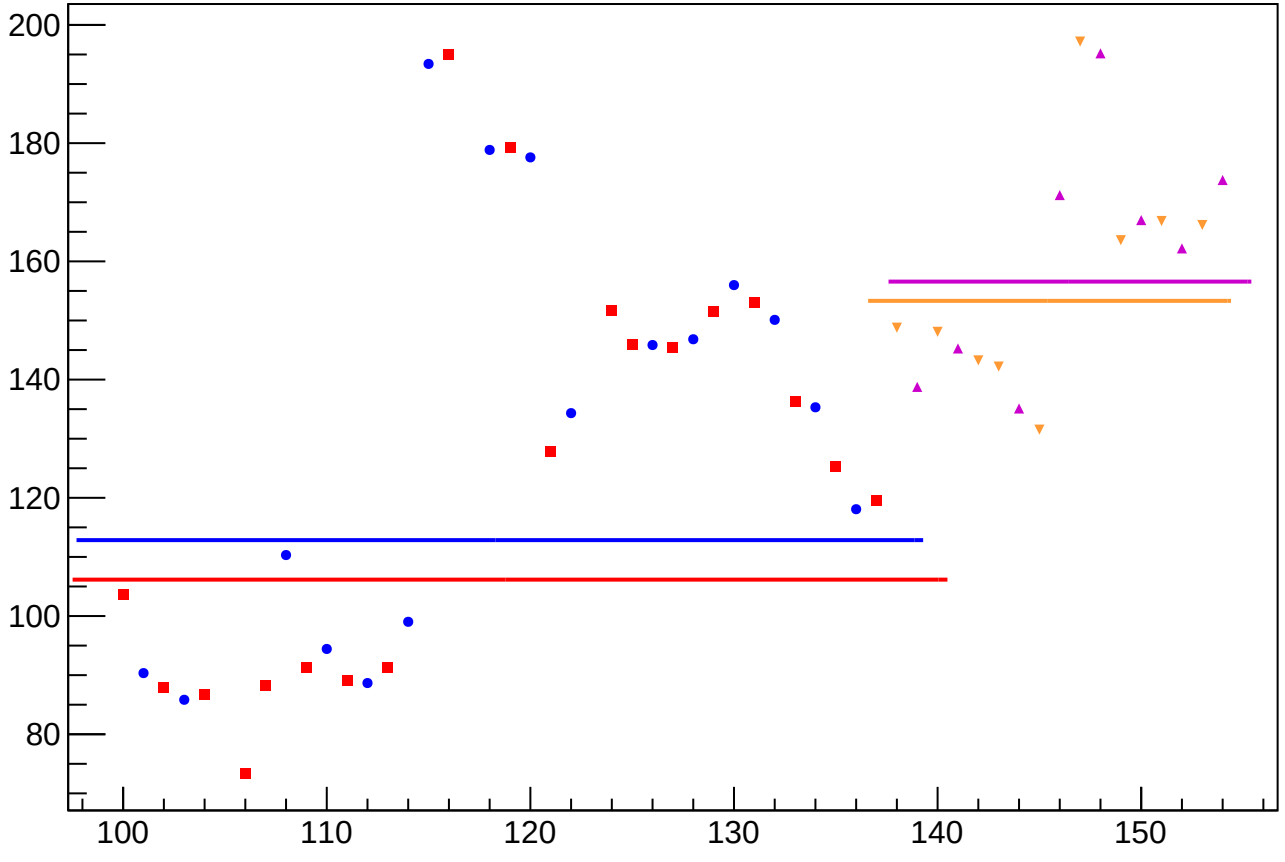
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 95.041+/-35.110 χ^2/NDF:27.2/23

Out: 88.624+/-33.276 χ^2/NDF:23.9/27

All: 91.661+/-24.152 χ^2/NDF: 51.1/51

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: 156.578+/-0.042 χ^2/NDF:188643.2/7

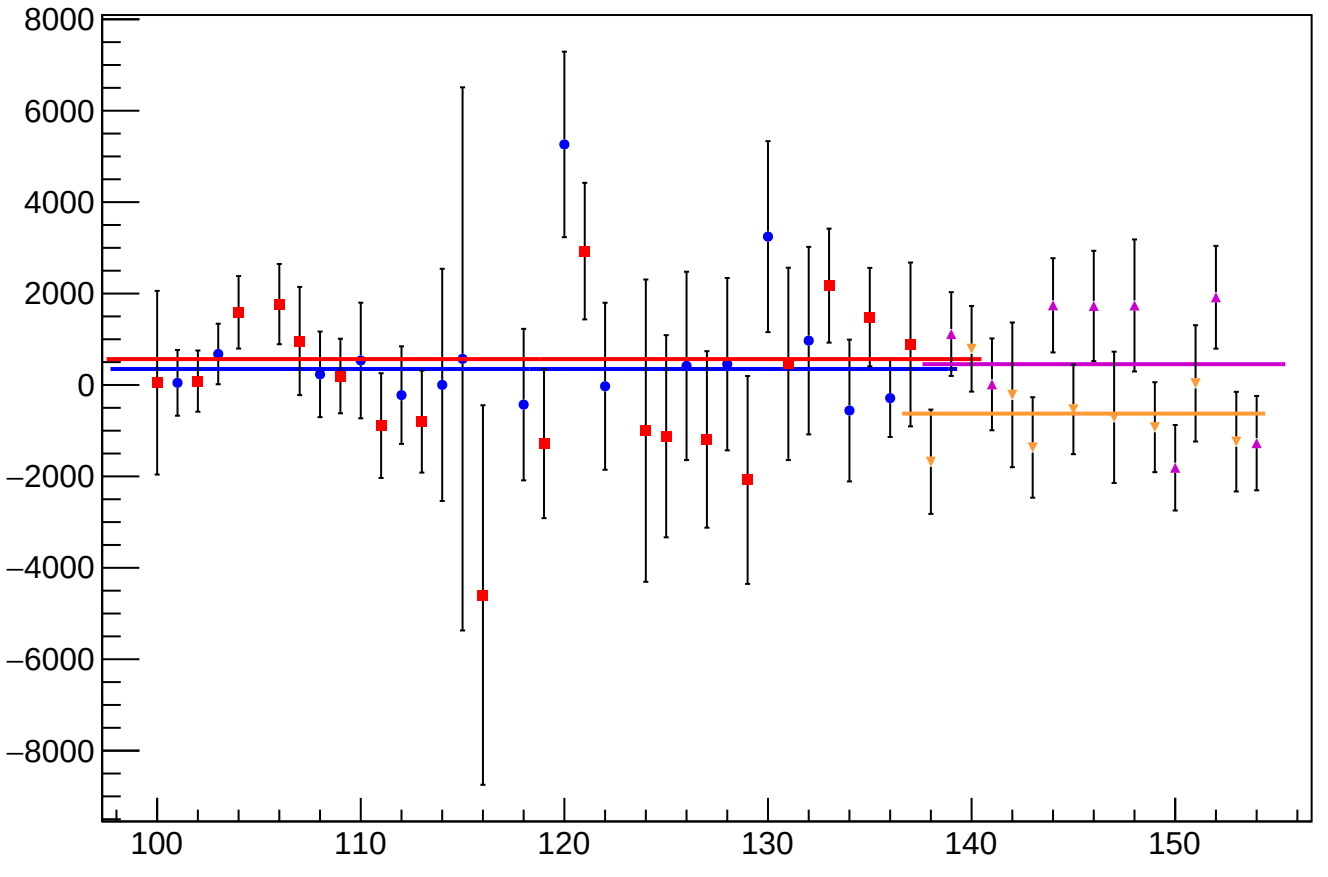
Left: 154.911+/-0.029 χ^2/NDF: 363153.1/16

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 128.005+/-0.025 χ^2/NDF:1763756.5/23

Out: 121.543+/-0.024 χ^2/NDF:2056643.5/27

All: 124.601+/-0.017 χ^2/NDF: 3856087.1/51



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: 454.870+/-373.750 χ^2/NDF:14.5/7

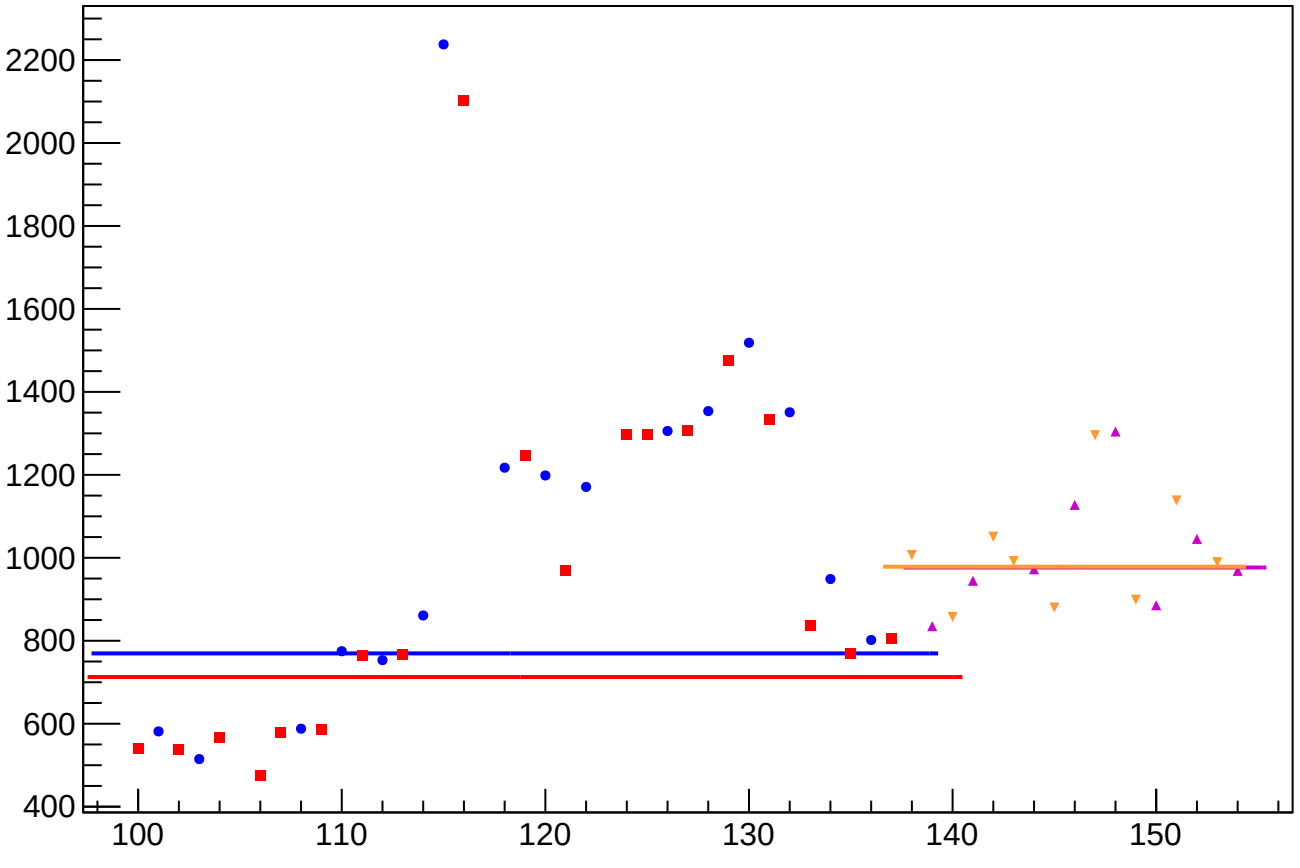
Left: -85.570+/-264.333 χ^2/NDF: 23.1/16

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 391.442+/-236.456 χ^2/NDF:24.4/23

Out: 139.103+/-223.720 χ^2/NDF:29.2/27

All: 258.294+/-162.510 χ^2/NDF: 54.2/51



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: 976.619+/-0.264 χ^2/NDF:210660.5/7

Left: 977.621+/-0.187 χ^2/NDF: 412337.1/16

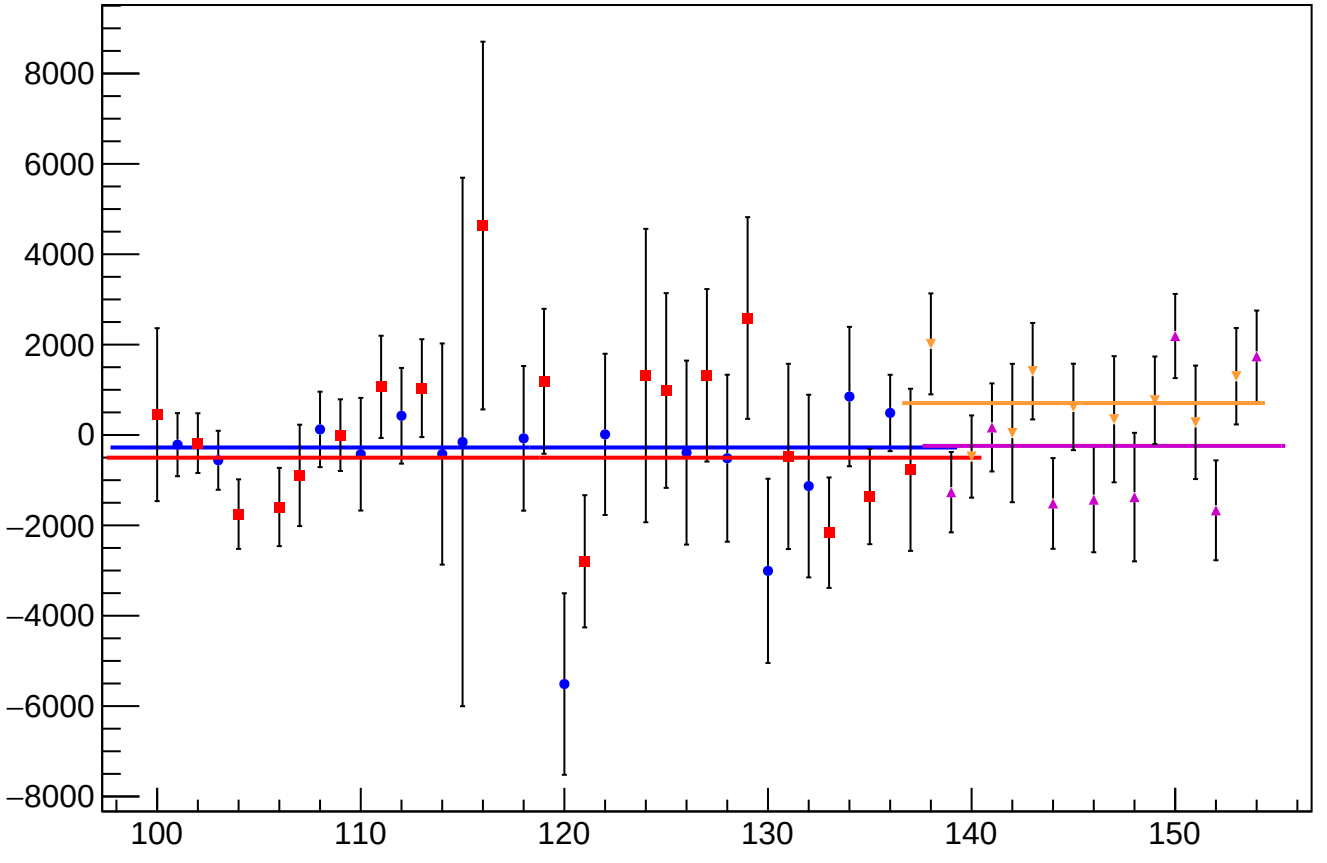
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 852.434+/-0.167 χ^2/NDF:2318755.5/23

Out: 807.860+/-0.158 χ^2/NDF:2618702.8/27

All: 828.914+/-0.115 χ^2/NDF: 4974959.9/51

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: -241.490+/-365.451 χ^2/NDF:17.1/7

Left: 232.666+/-258.340 χ^2/NDF: 24.7/16

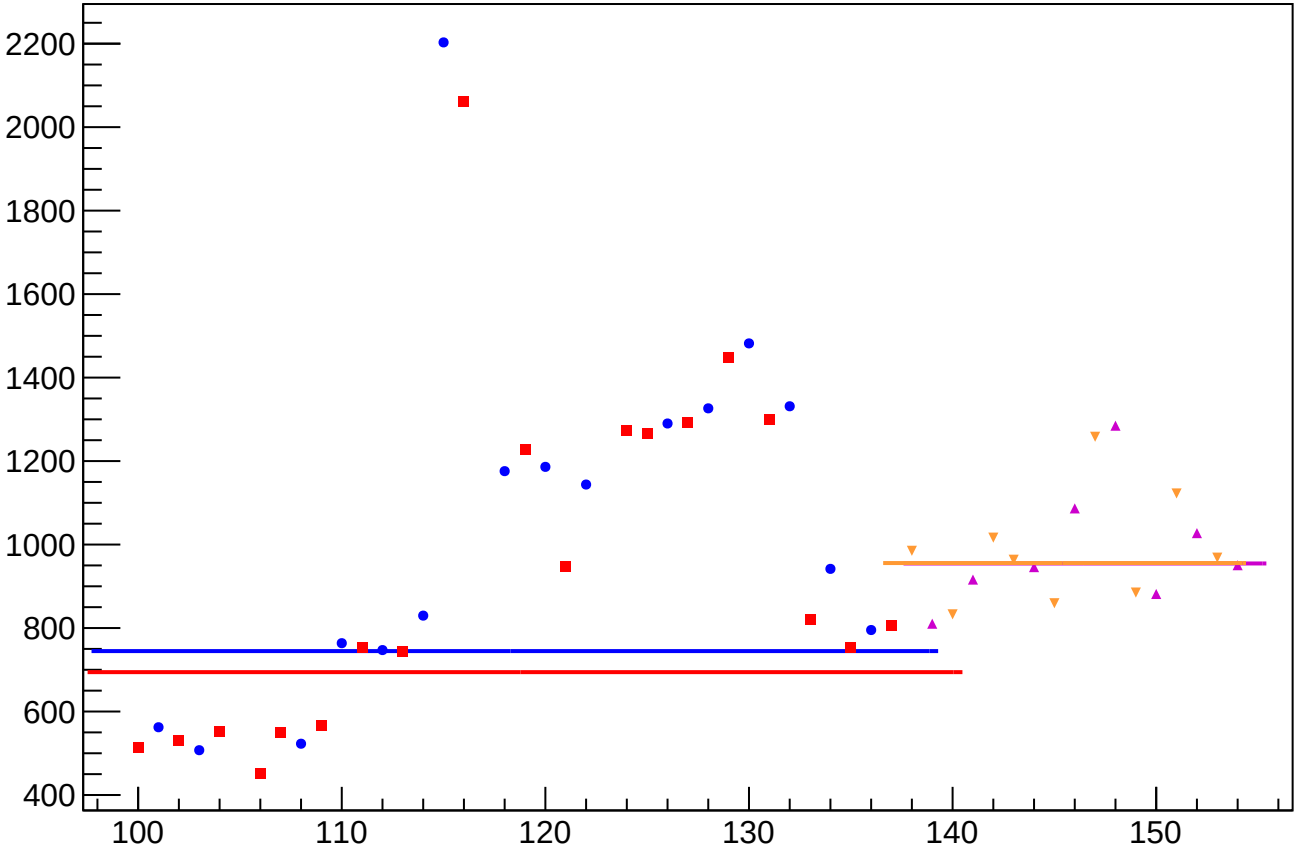
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -262.409+/-230.348 χ^2/NDF:28.2/23

Out: -68.925+/-218.663 χ^2/NDF:31.7/27

All: -160.636+/-158.588 χ^2/NDF: 60.2/51

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: 954.705+/-0.258 χ^2/NDF:210375.0/7

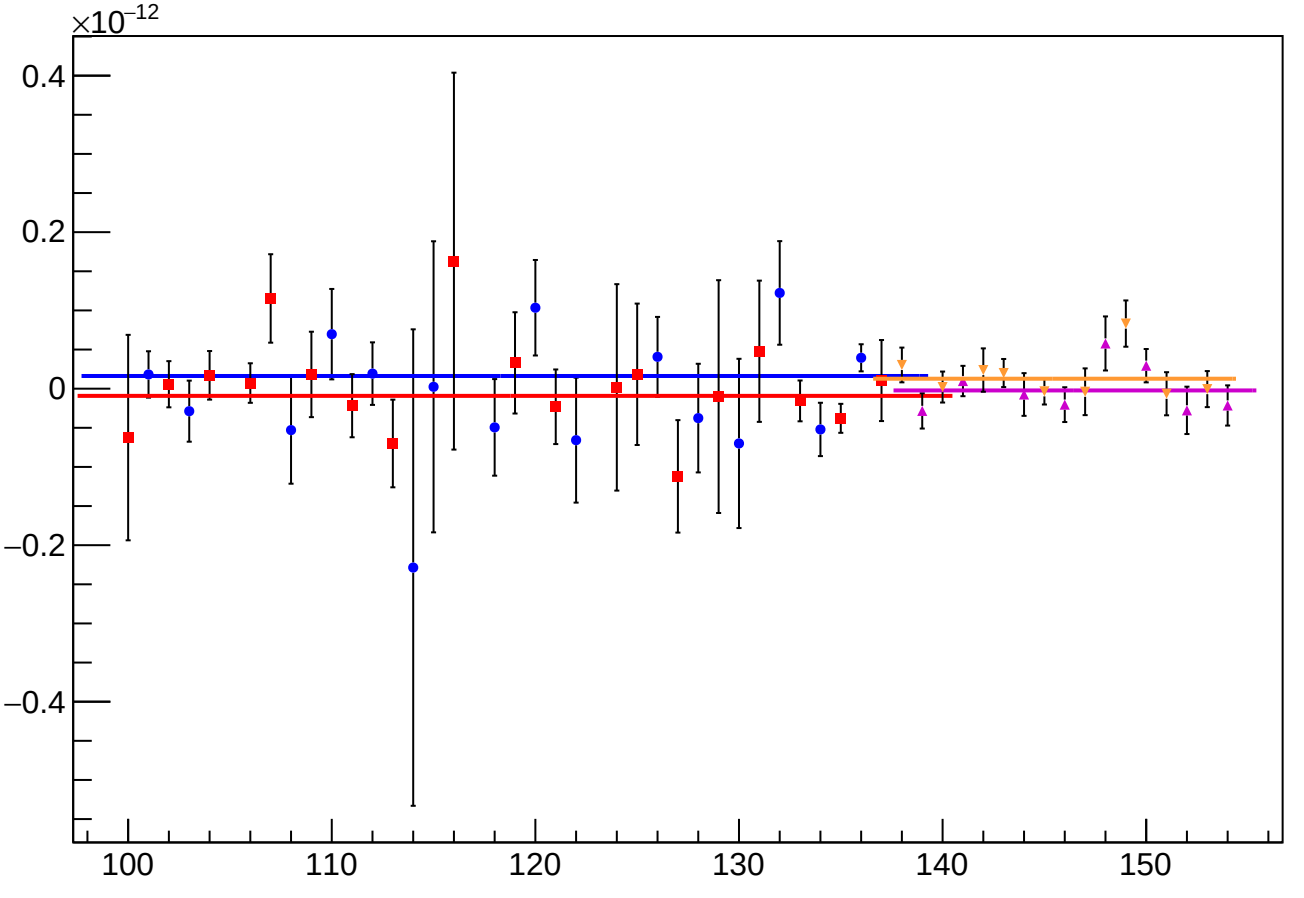
Left: 955.204+/-0.183 χ^2/NDF: 411896.8/16

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 828.183+/-0.163 χ^2/NDF:2430664.9/23

Out: 788.021+/-0.155 χ^2/NDF:2662273.1/27

All: 807.057+/-0.112 χ^2/NDF: 5124918.5/51



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:8.9/7

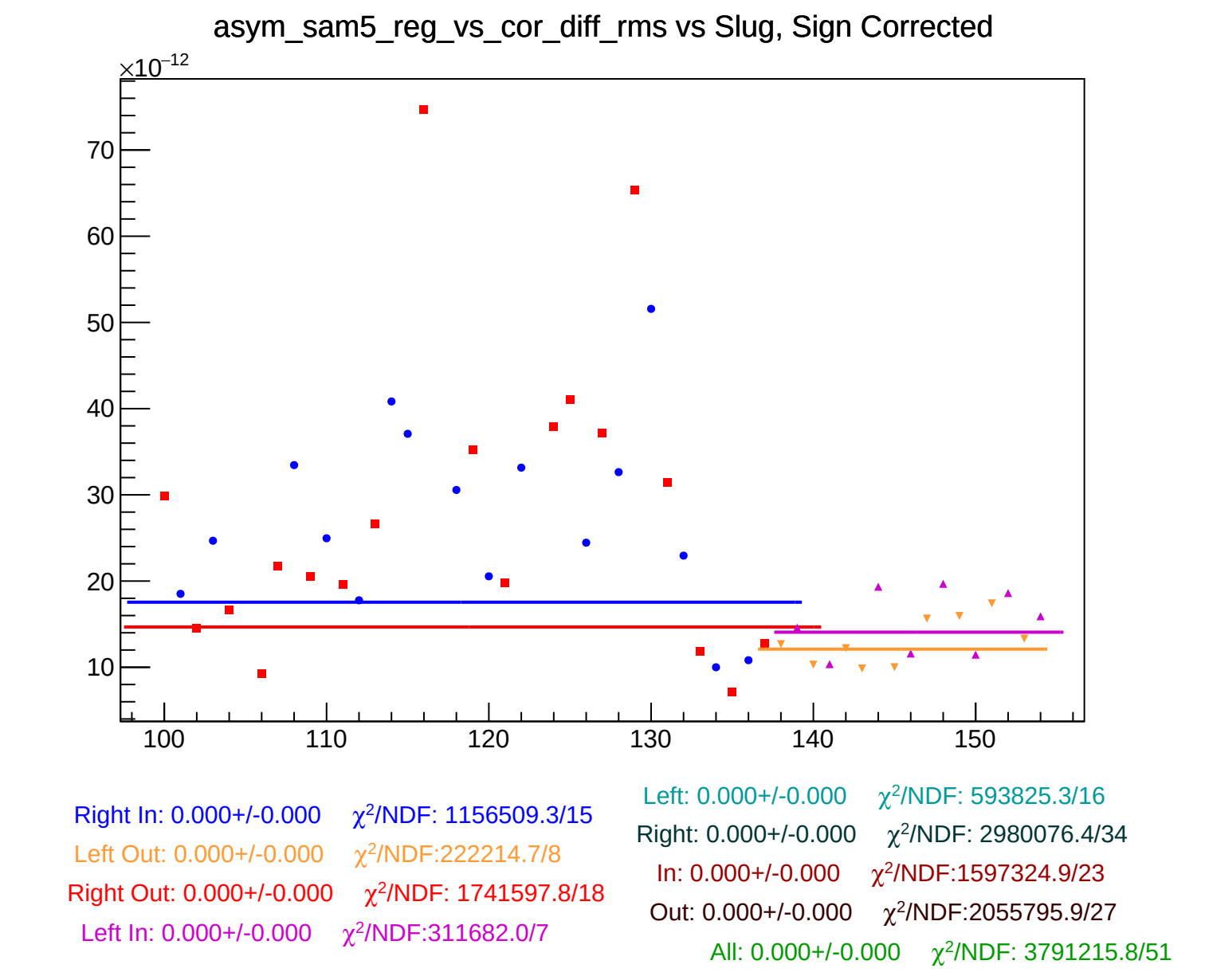
Left: 0.000+/-0.000 χ^2/NDF: 19.6/16

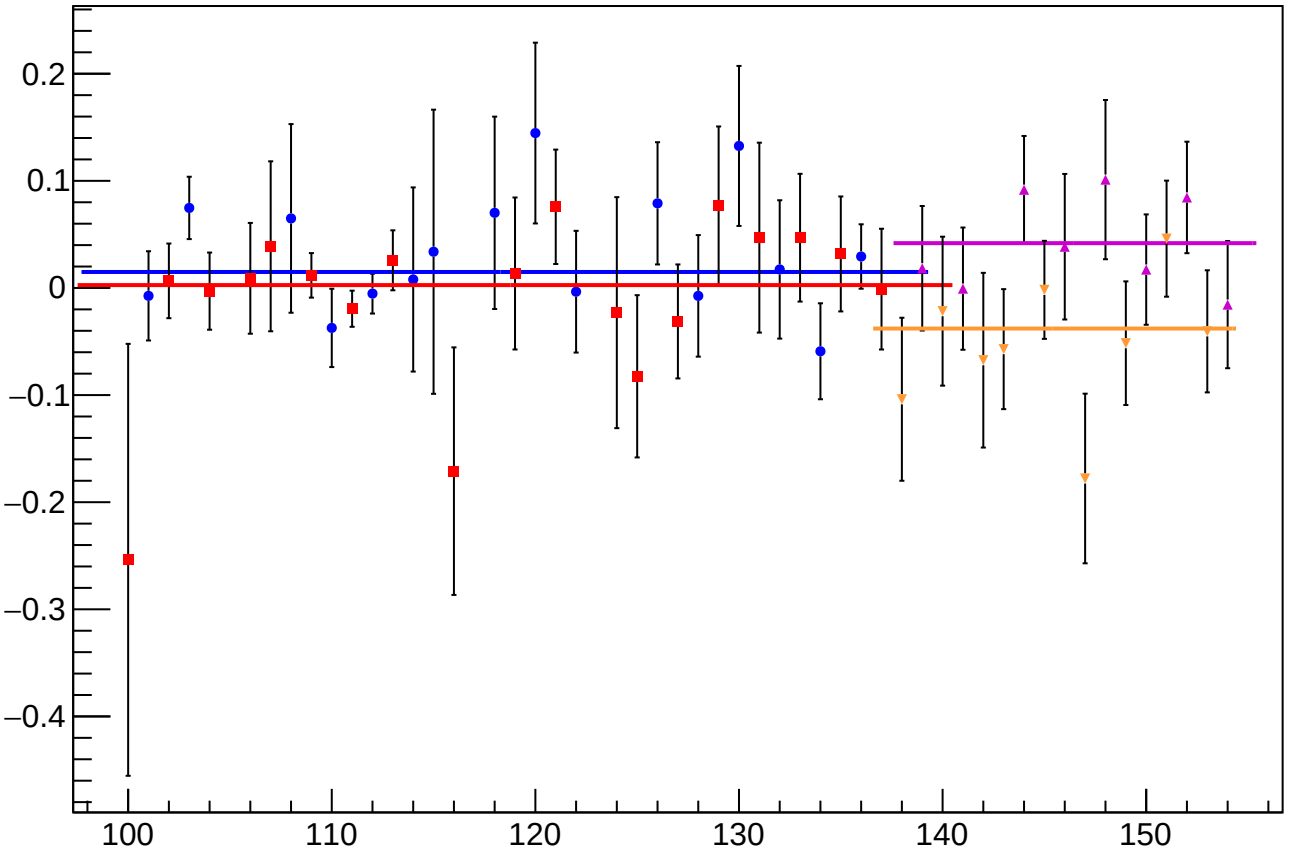
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:28.7/23

Out: 0.000+/-0.000 χ^2/NDF:26.4/27

All: 0.000+/-0.000 χ^2/NDF: 55.1/51


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
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:311682.0/7
Left: 0.000+/-0.000 χ²/NDF: 593825.3/16
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1597324.9/23
Out: 0.000+/-0.000 χ²/NDF:2055795.9/27
All: 0.000+/-0.000 χ²/NDF: 3791215.8/51



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: 0.042+/-0.020 χ^2/NDF:4.2/7

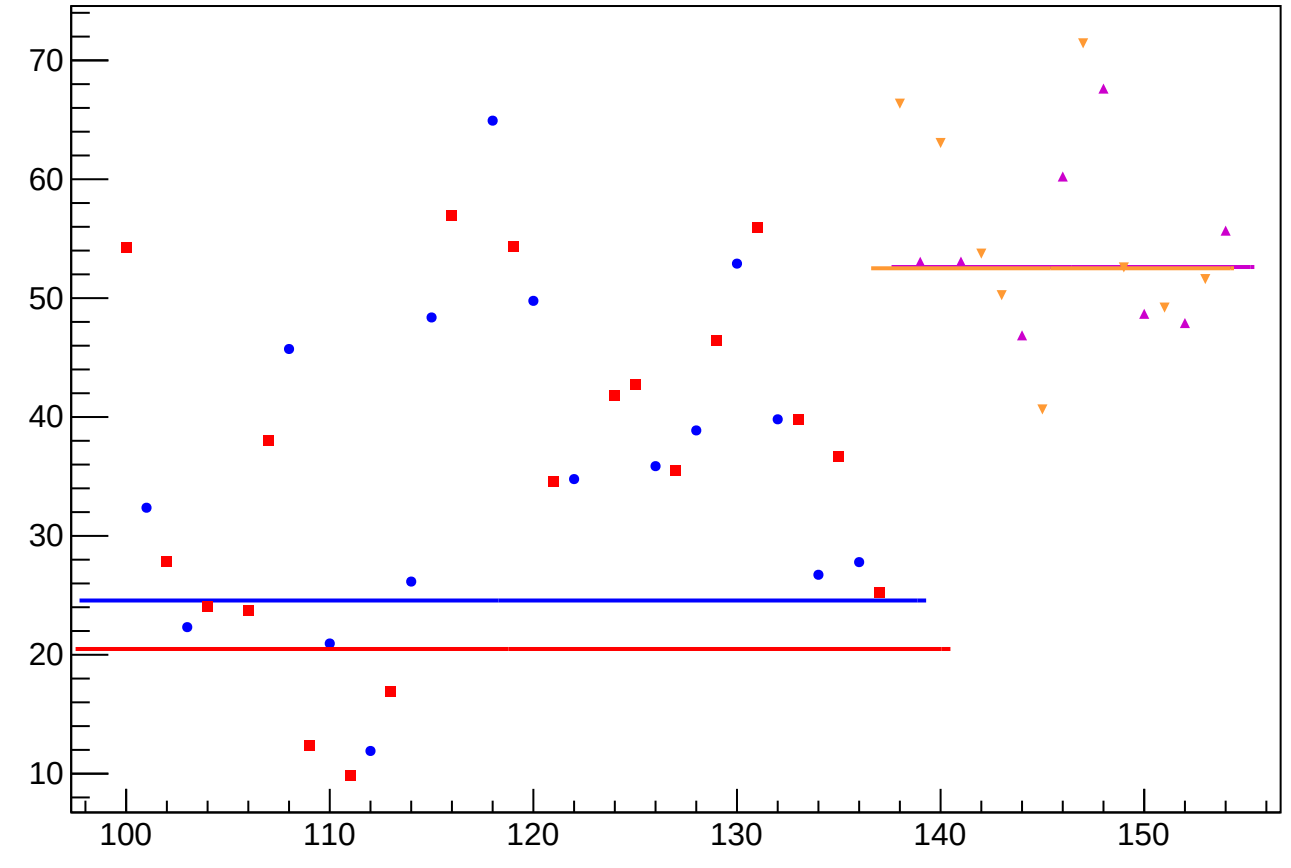
Left: 0.002+/-0.014 χ^2/NDF: 19.2/16

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.021+/-0.009 χ^2/NDF:23.3/23

Out: -0.004+/-0.008 χ^2/NDF:23.0/27

All: 0.007+/-0.006 χ^2/NDF: 50.3/51



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: 52.619+/-0.014 χ^2/NDF:166500.6/7

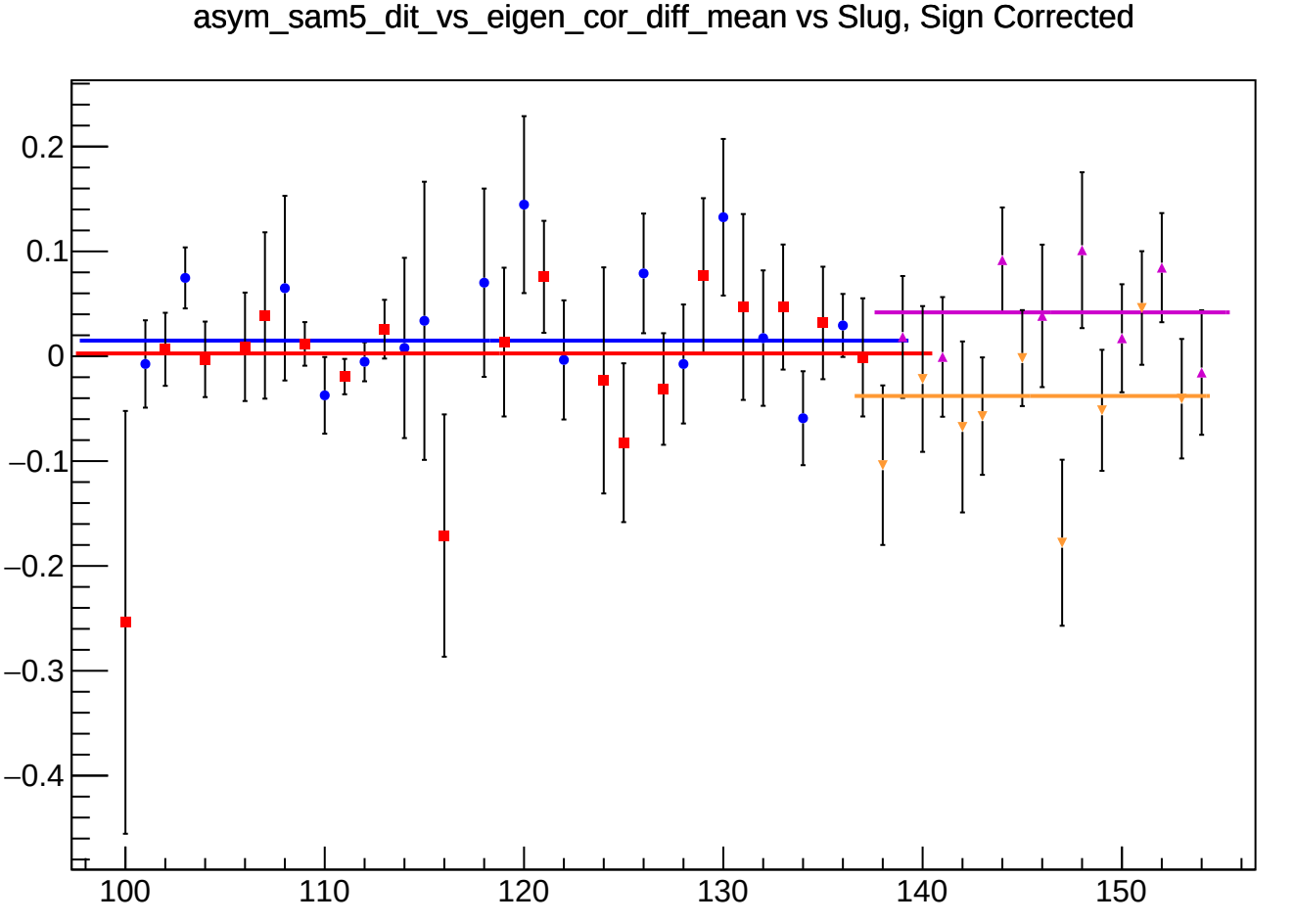
Left: 52.565+/-0.010 χ^2/NDF: 539218.1/16

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 30.566+/-0.007 χ^2/NDF:5654260.3/23

Out: 25.985+/-0.006 χ^2/NDF:8092563.9/27

All: 28.021+/-0.004 χ^2/NDF: 14011469.6/51



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: 0.042+/-0.020 χ^2/NDF:4.2/7

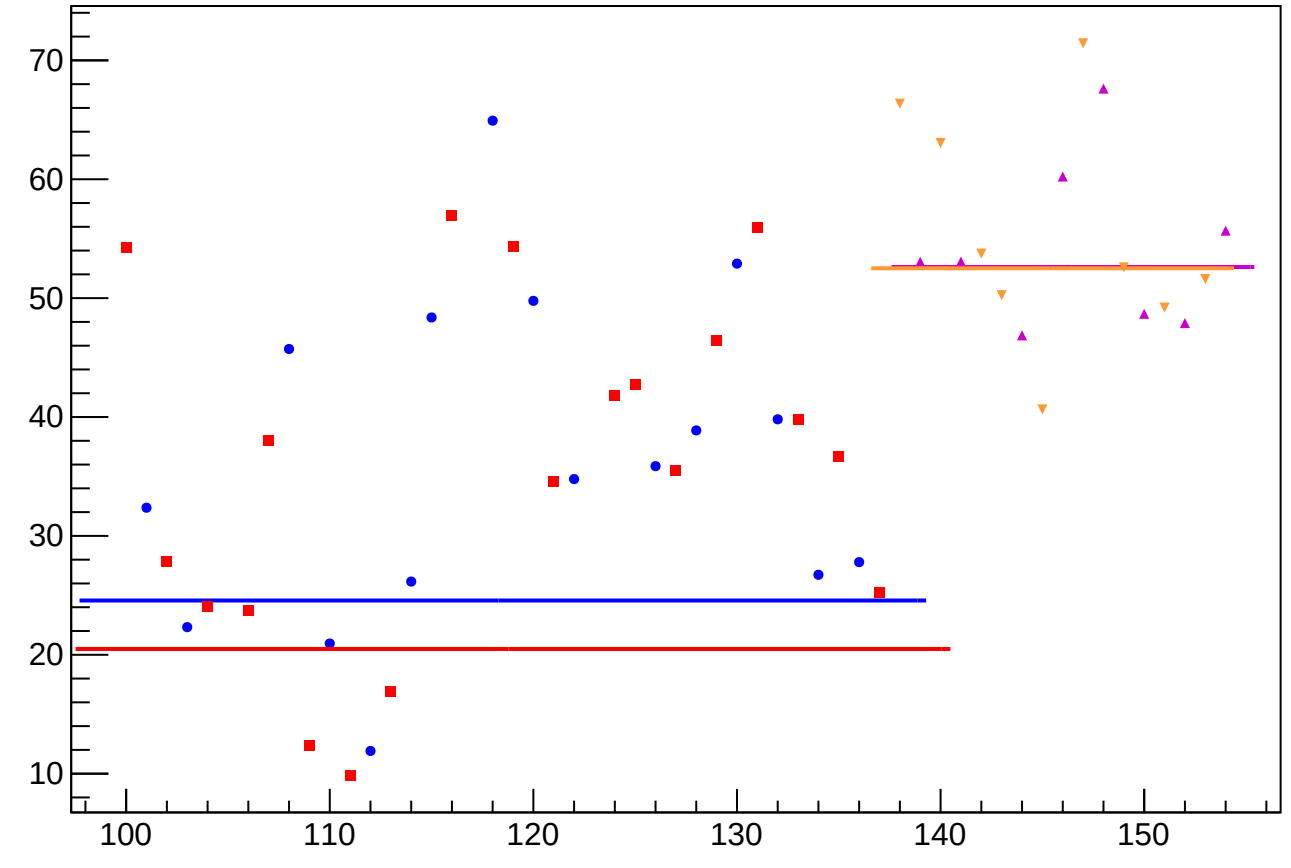
Left: 0.002+/-0.014 χ^2/NDF: 19.2/16

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.021+/-0.009 χ^2/NDF:23.3/23

Out: -0.004+/-0.008 χ^2/NDF:23.0/27

All: 0.007+/-0.006 χ^2/NDF: 50.3/51



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: 52.619+/-0.014 χ^2/NDF:166500.6/7

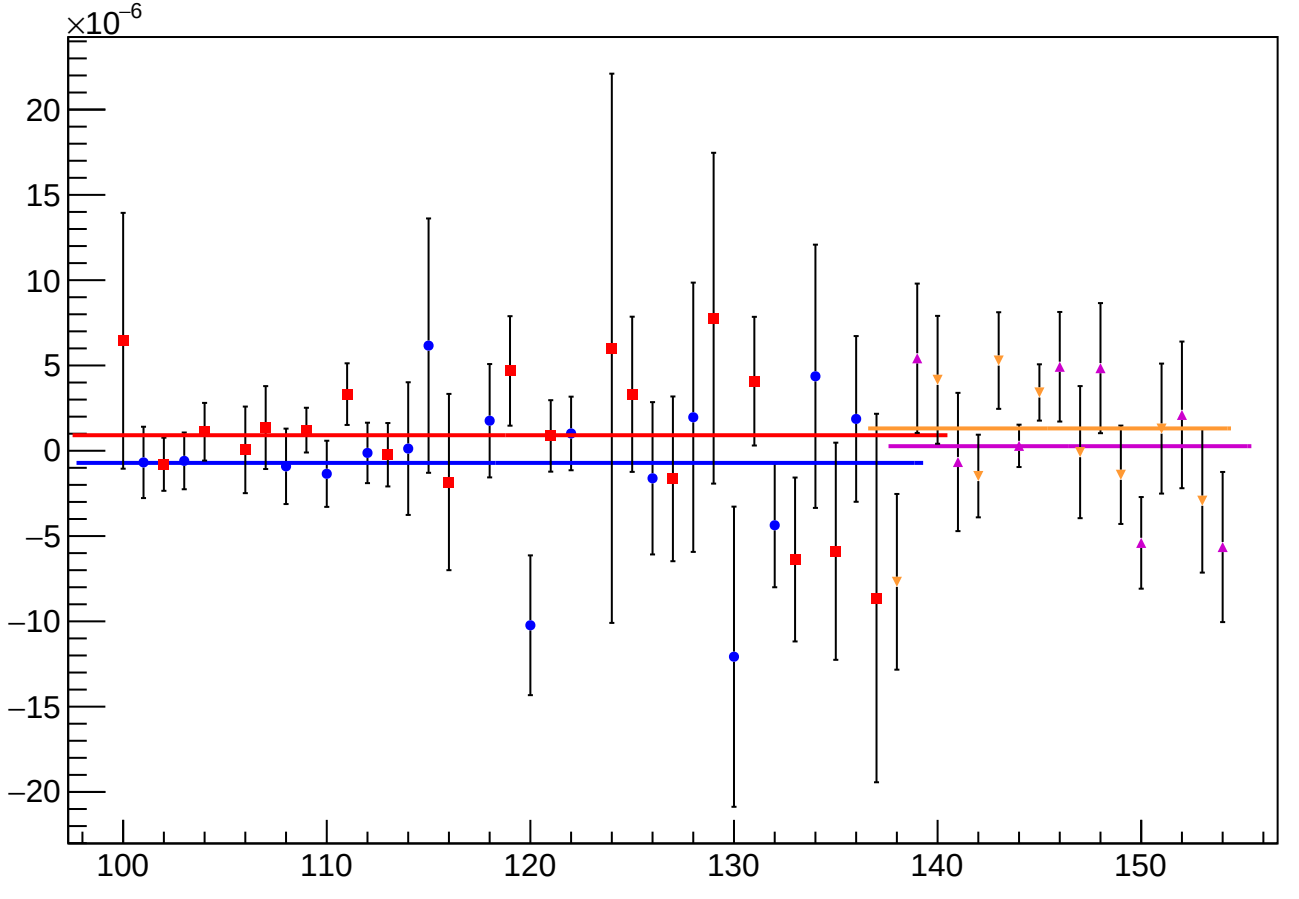
Left: 52.565+/-0.010 χ^2/NDF: 539218.1/16

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 30.566+/-0.007 χ^2/NDF:5654260.3/23

Out: 25.985+/-0.006 χ^2/NDF:8092563.9/27

All: 28.021+/-0.004 χ^2/NDF: 14011469.6/51



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:11.4/7

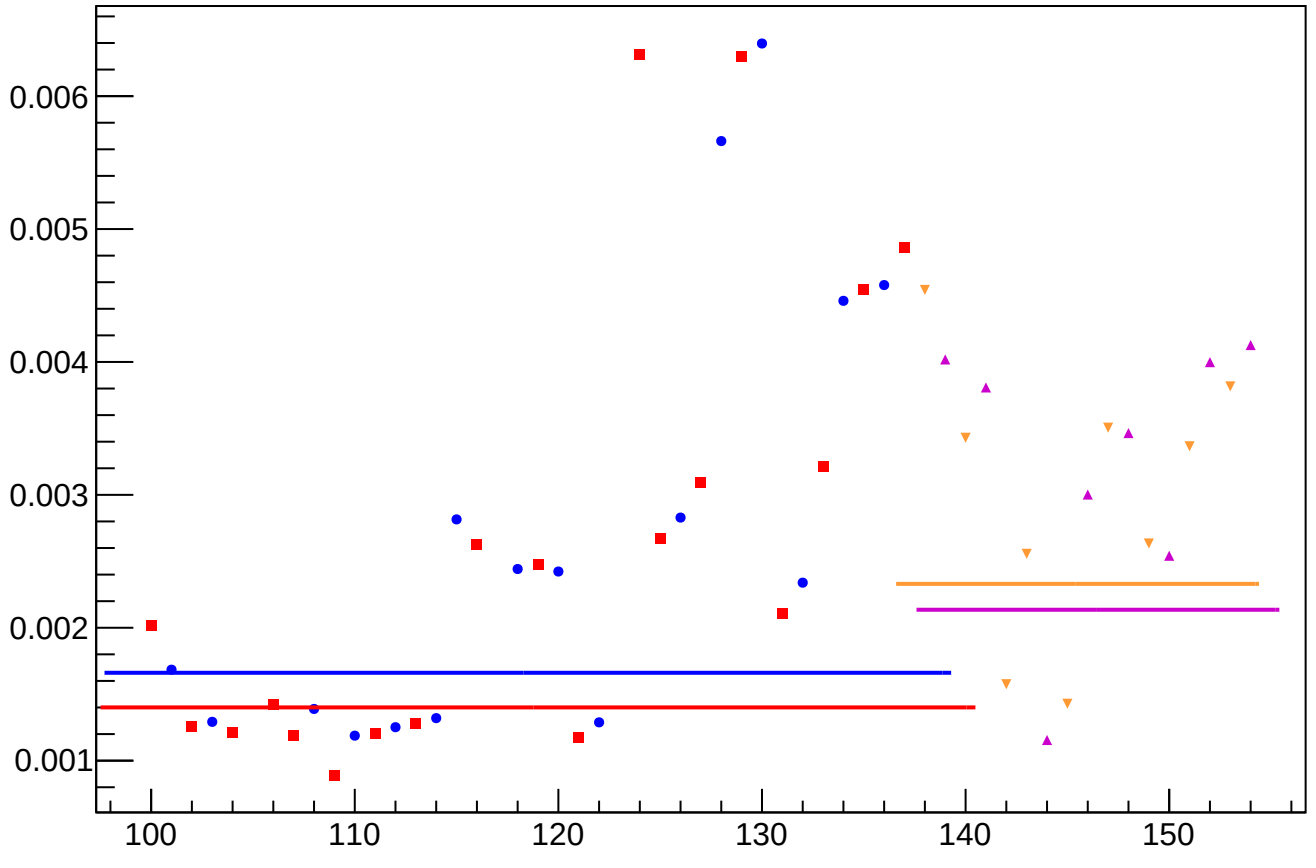
Left: 0.000+/-0.000 χ^2/NDF: 22.6/16

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:23.4/23

Out: 0.000+/-0.000 χ^2/NDF:22.6/27

All: 0.000+/-0.000 χ^2/NDF: 49.3/51



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:3176742.3/7

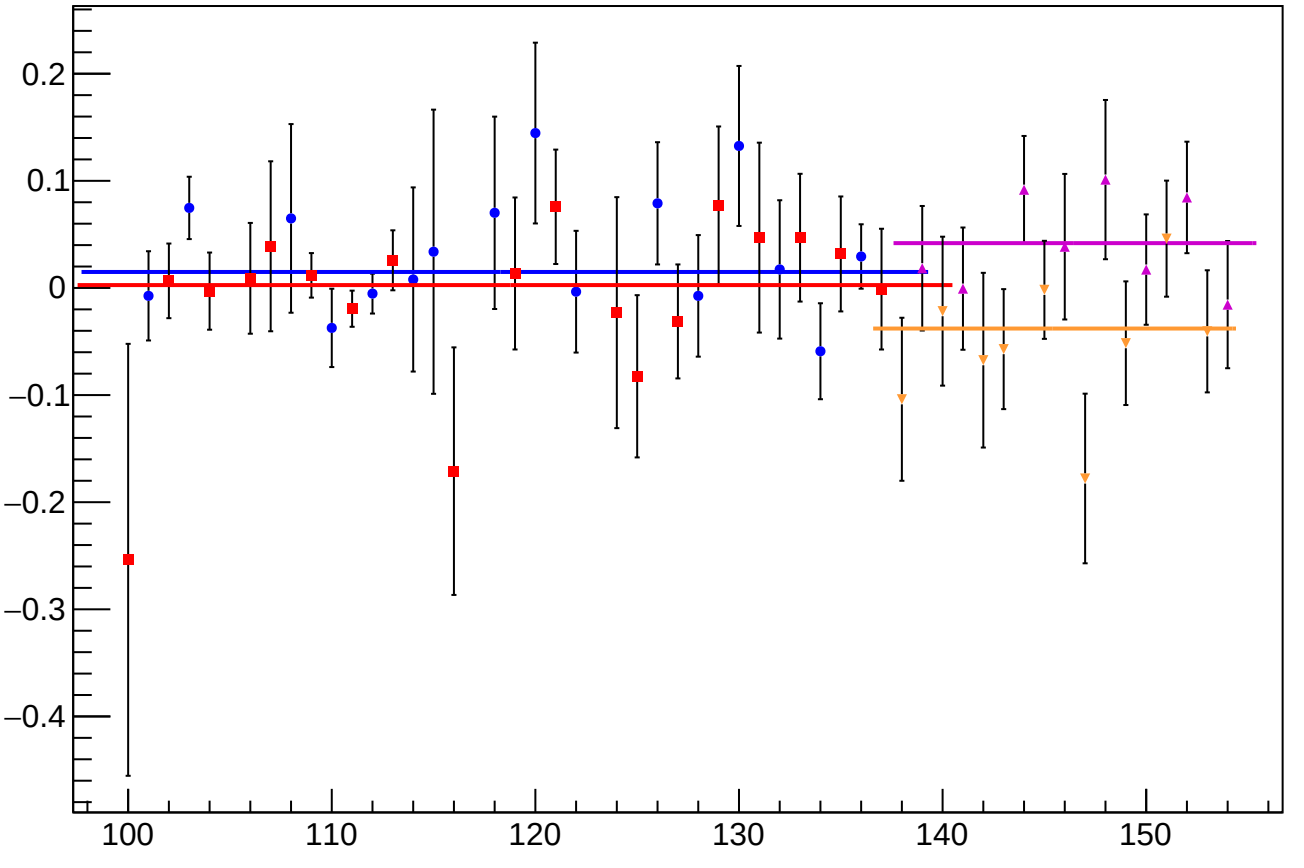
Left: 0.002+/-0.000 χ^2/NDF: 5167342.8/16

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:6453826.7/23

Out: 0.002+/-0.000 χ^2/NDF:6226269.5/27

All: 0.002+/-0.000 χ^2/NDF: 12795947.0/51



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: 0.042+/-0.020 χ^2/NDF:4.2/7

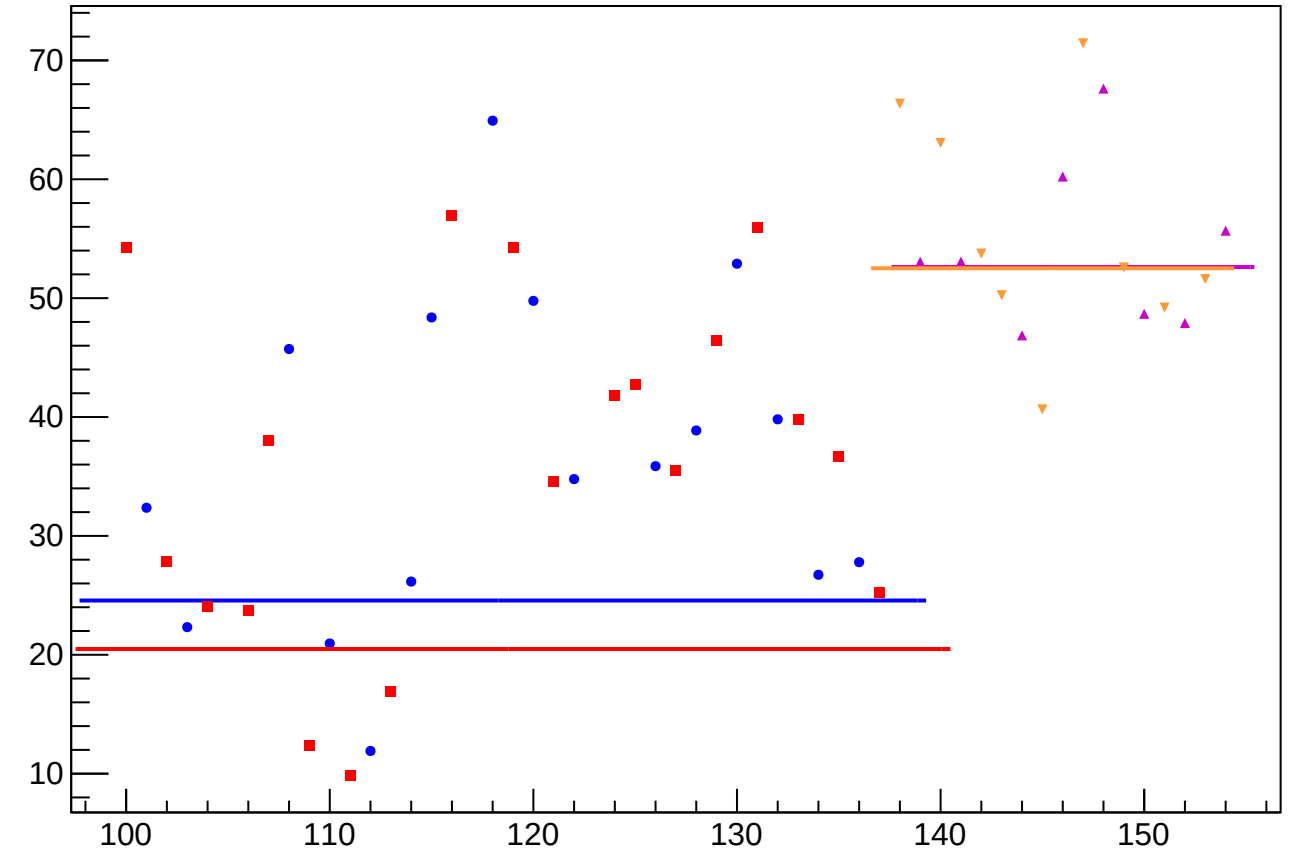
Left: 0.002+/-0.014 χ^2/NDF: 19.2/16

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.021+/-0.009 χ^2/NDF:23.3/23

Out: -0.004+/-0.008 χ^2/NDF:23.0/27

All: 0.007+/-0.006 χ^2/NDF: 50.3/51



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: 52.620+/-0.014 χ^2/NDF:166532.3/7

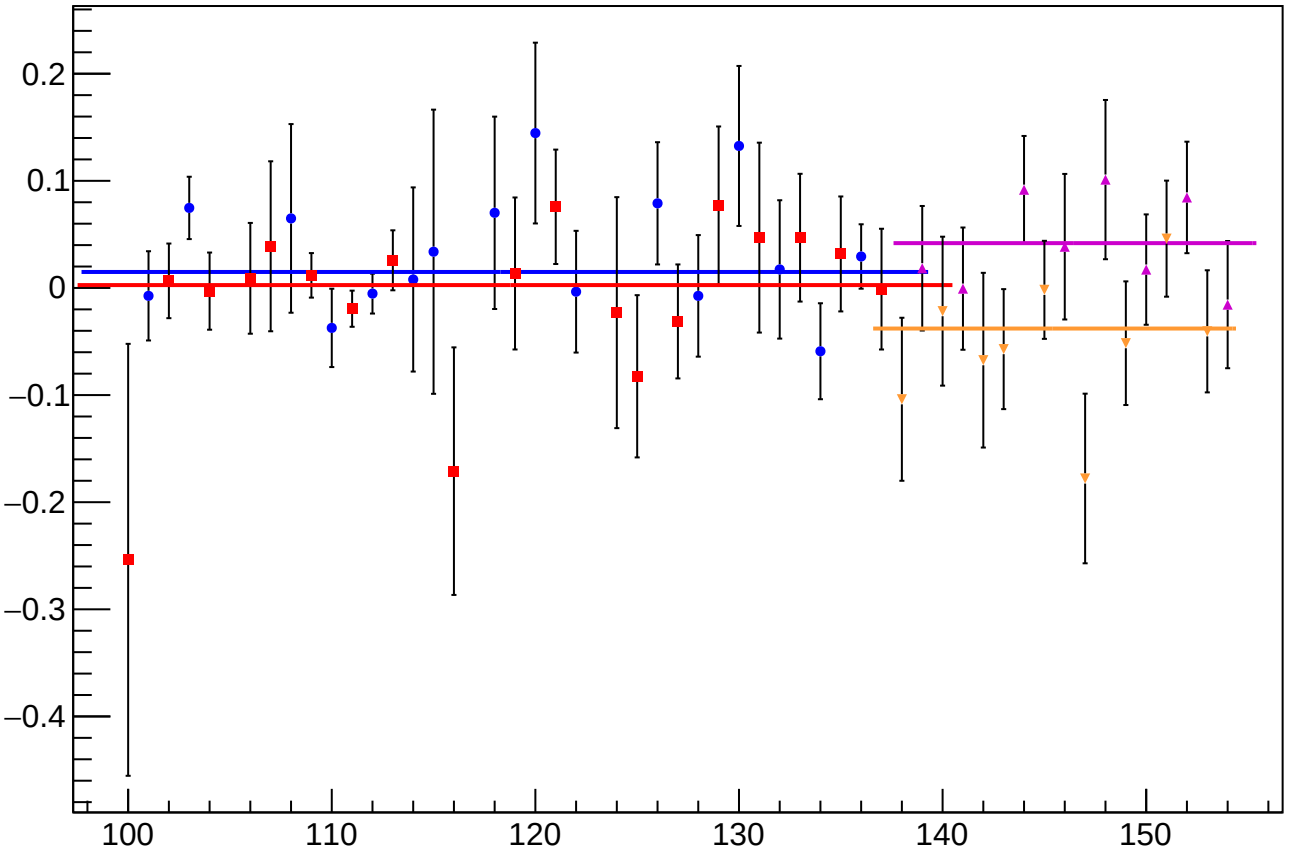
Left: 52.566+/-0.010 χ^2/NDF: 539306.4/16

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 30.565+/-0.007 χ^2/NDF:5654444.1/23

Out: 25.984+/-0.006 χ^2/NDF:8092789.2/27

All: 28.020+/-0.004 χ^2/NDF: 14011896.0/51



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: 0.042+/-0.020 χ^2/NDF:4.2/7

Left: 0.002+/-0.014 χ^2/NDF: 19.2/16

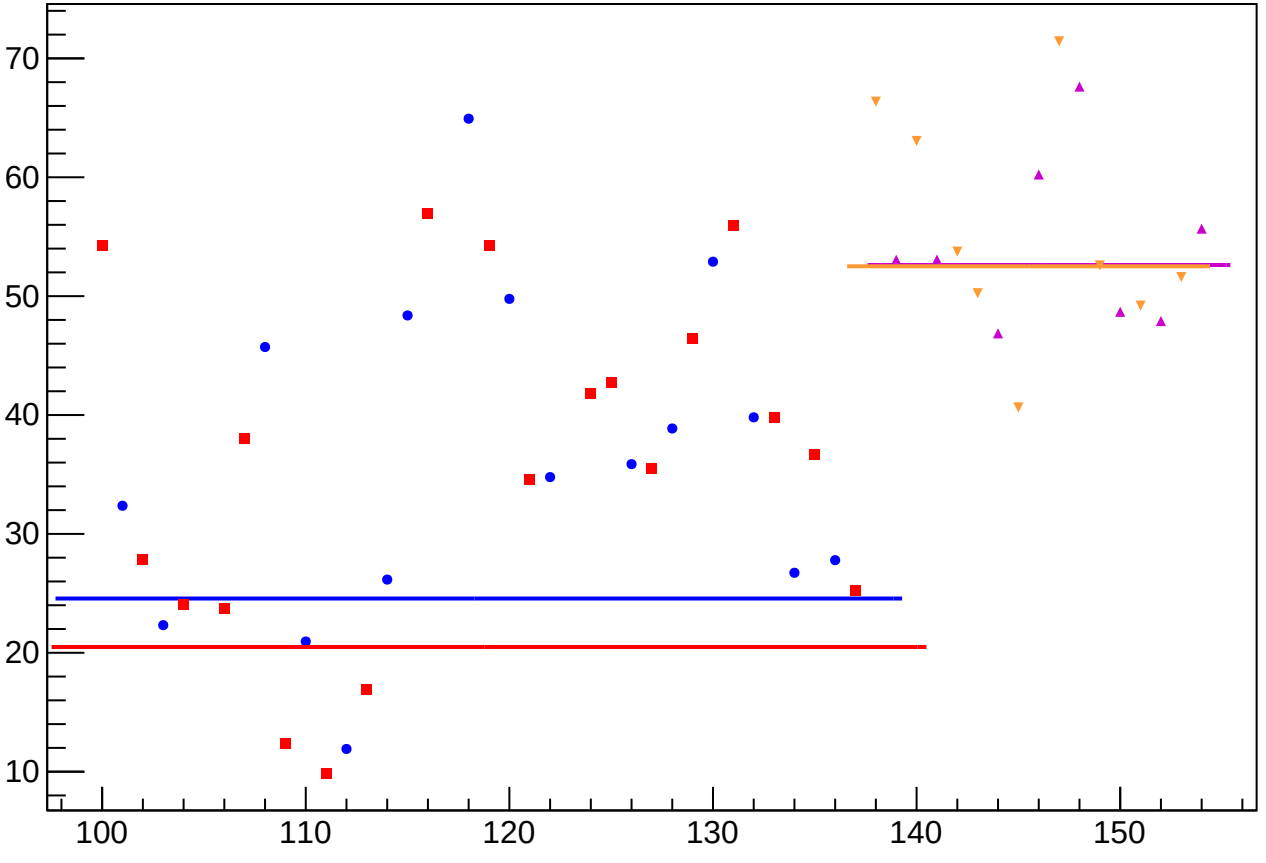
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.021+/-0.009 χ^2/NDF:23.3/23

Out: -0.004+/-0.008 χ^2/NDF:23.0/27

All: 0.007+/-0.006 χ^2/NDF: 50.3/51

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.512+/-0.014 χ^2/NDF:372745.8/8

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.620+/-0.014 χ^2/NDF:166532.3/7

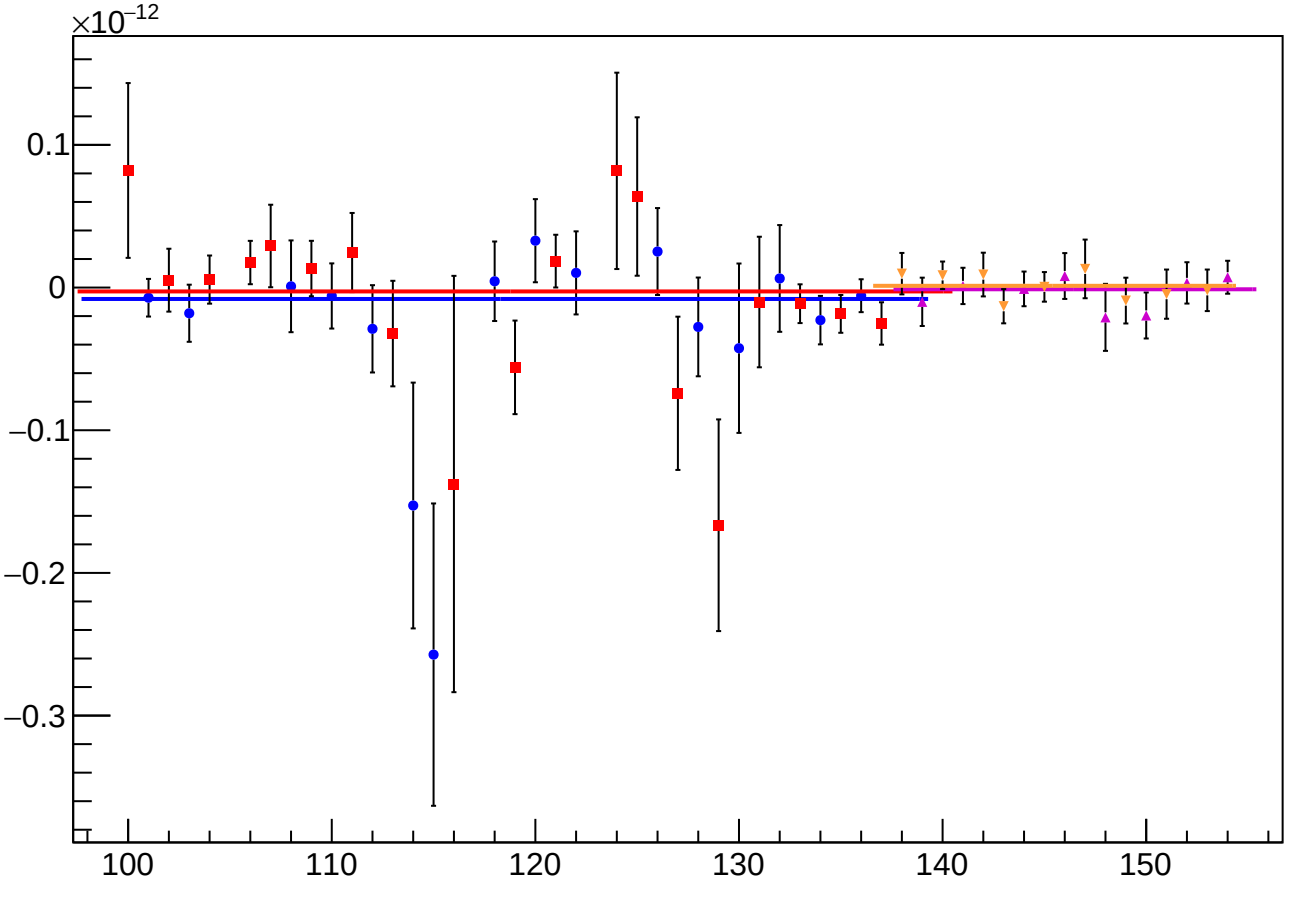
Left: 52.566+/-0.010 χ^2/NDF: 539306.4/16

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 30.565+/-0.007 χ^2/NDF:5654444.1/23

Out: 25.984+/-0.006 χ^2/NDF:8092789.2/27

All: 28.020+/-0.004 χ^2/NDF: 14011896.0/51



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:3.3/7

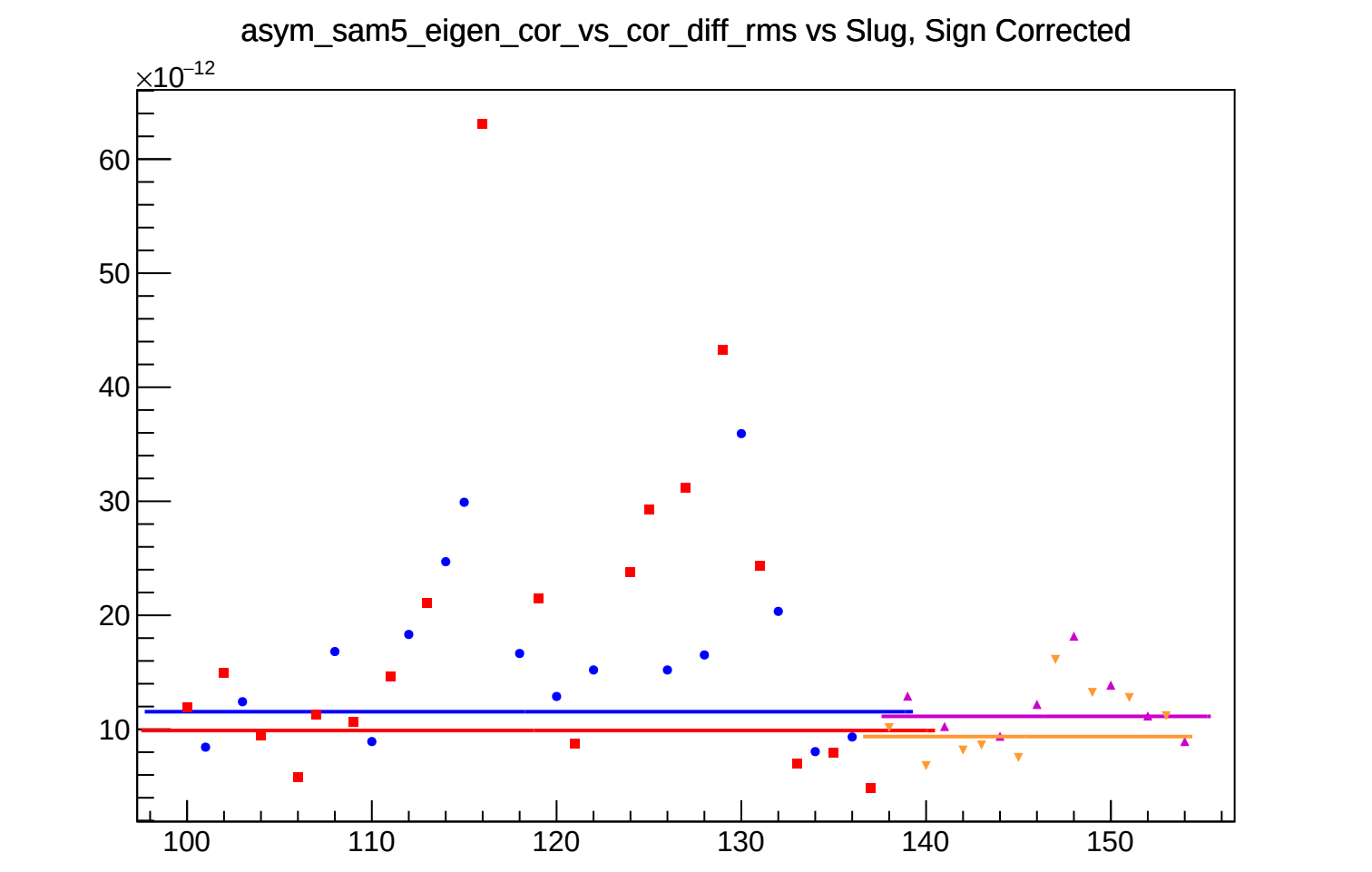
Left: 0.000+/-0.000 χ^2/NDF: 6.9/16

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:18.6/23

Out: -0.000+/-0.000 χ^2/NDF:29.9/27

All: -0.000+/-0.000 χ^2/NDF: 49.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:670115.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

Left In: 0.000+/-0.000 χ^2/NDF:391301.4/7

Left: 0.000+/-0.000 χ^2/NDF: 1197800.3/16

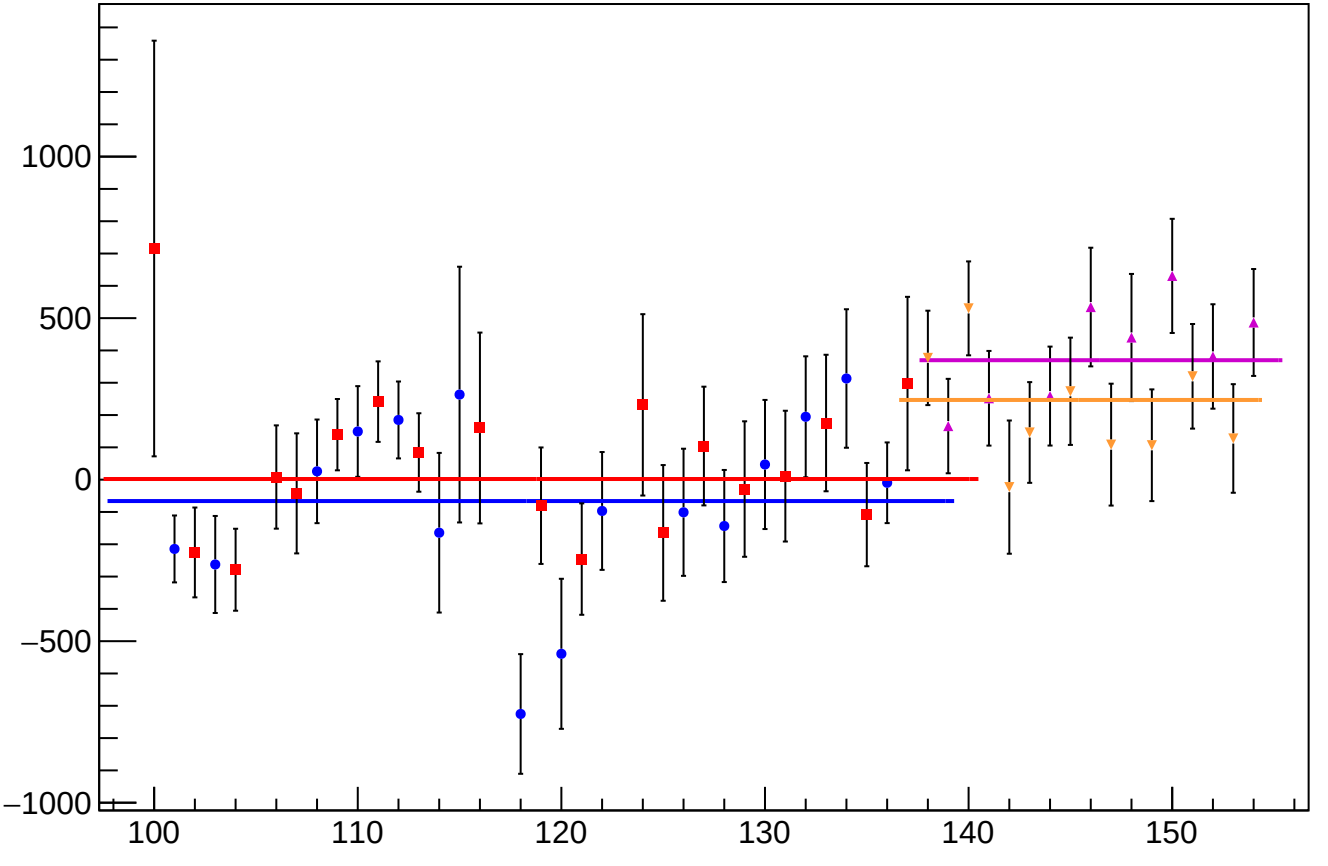
Right: 0.000+/-0.000 χ^2/NDF: 3905918.0/34

In: 0.000+/-0.000 χ^2/NDF:1576899.6/23

Out: 0.000+/-0.000 χ^2/NDF:3317996.1/27

All: 0.000+/-0.000 χ^2/NDF: 5123075.2/51

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: 369.782+/-57.900 χ^2/NDF:6.7/7

Left: 305.135+/-39.890 χ^2/NDF: 17.8/16

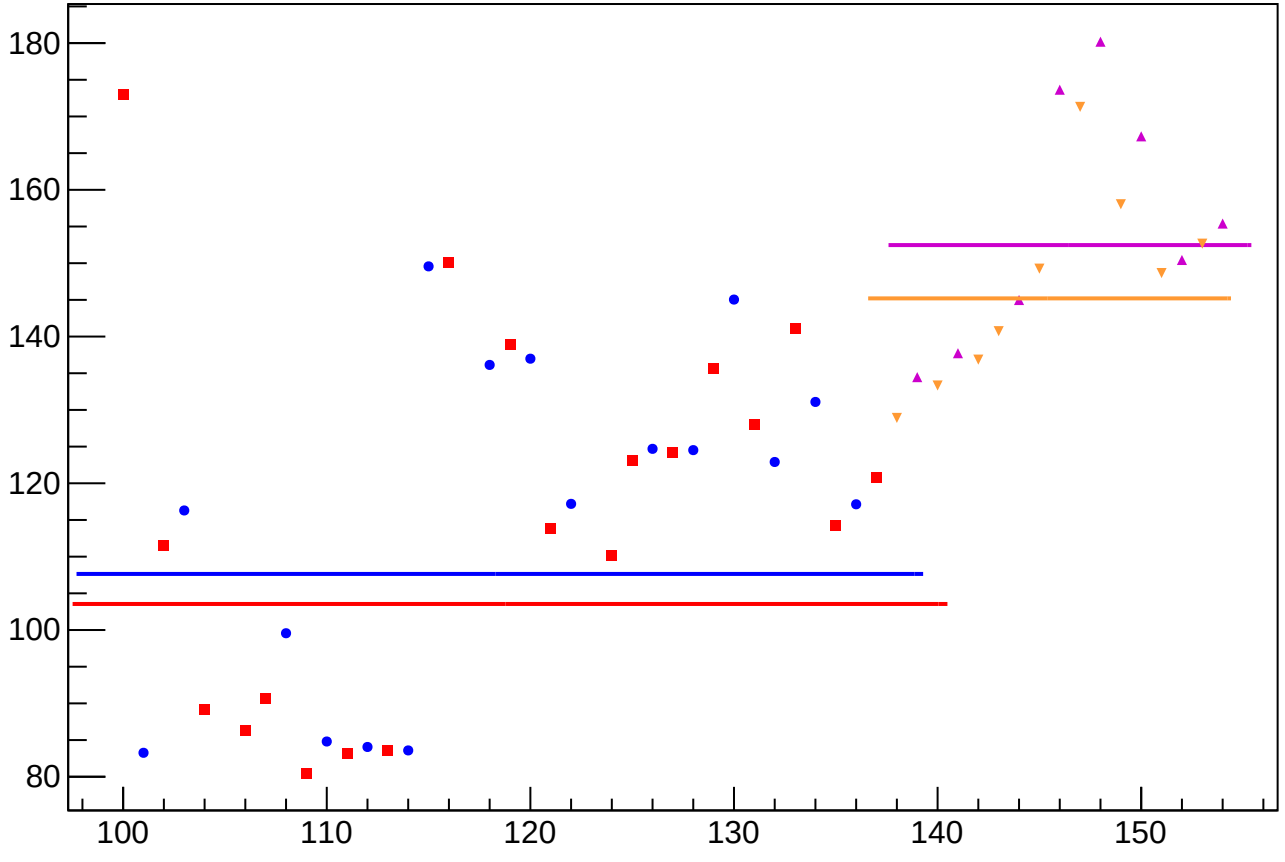
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 79.087+/-33.426 χ^2/NDF:78.9/23

Out: 83.450+/-31.748 χ^2/NDF:43.0/27

All: 81.381+/-23.020 χ^2/NDF: 121.9/51

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: 152.469+/-0.041 χ^2/NDF:136647.0/7

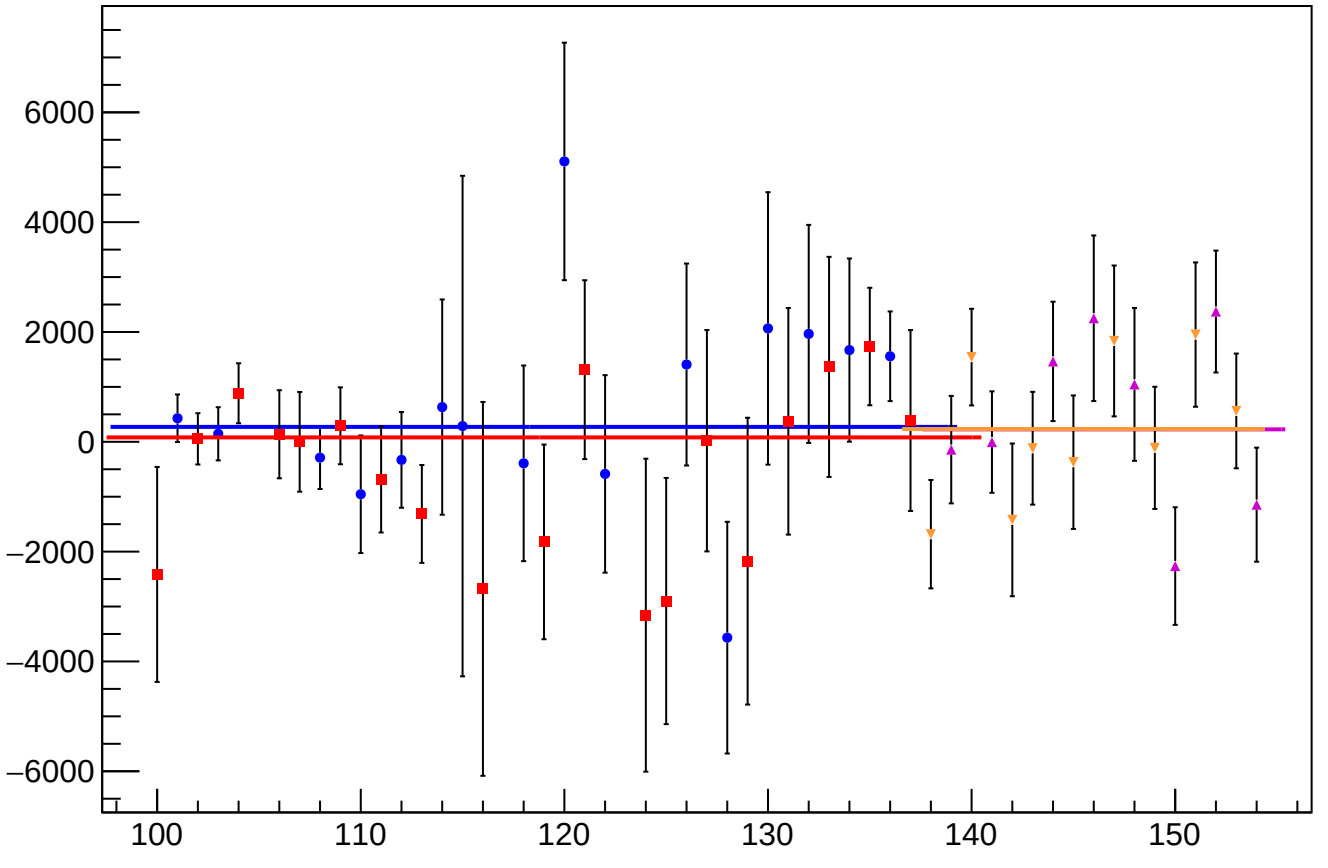
Left: 148.652+/-0.028 χ^2/NDF: 251665.7/16

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 122.584+/-0.024 χ^2/NDF:1468662.8/23

Out: 117.411+/-0.022 χ^2/NDF:1480215.6/27

All: 119.864+/-0.016 χ^2/NDF: 2974061.3/51



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: 226.599+/-388.436 χ^2/NDF:14.5/7

Left: 229.777+/-268.021 χ^2/NDF: 25.6/16

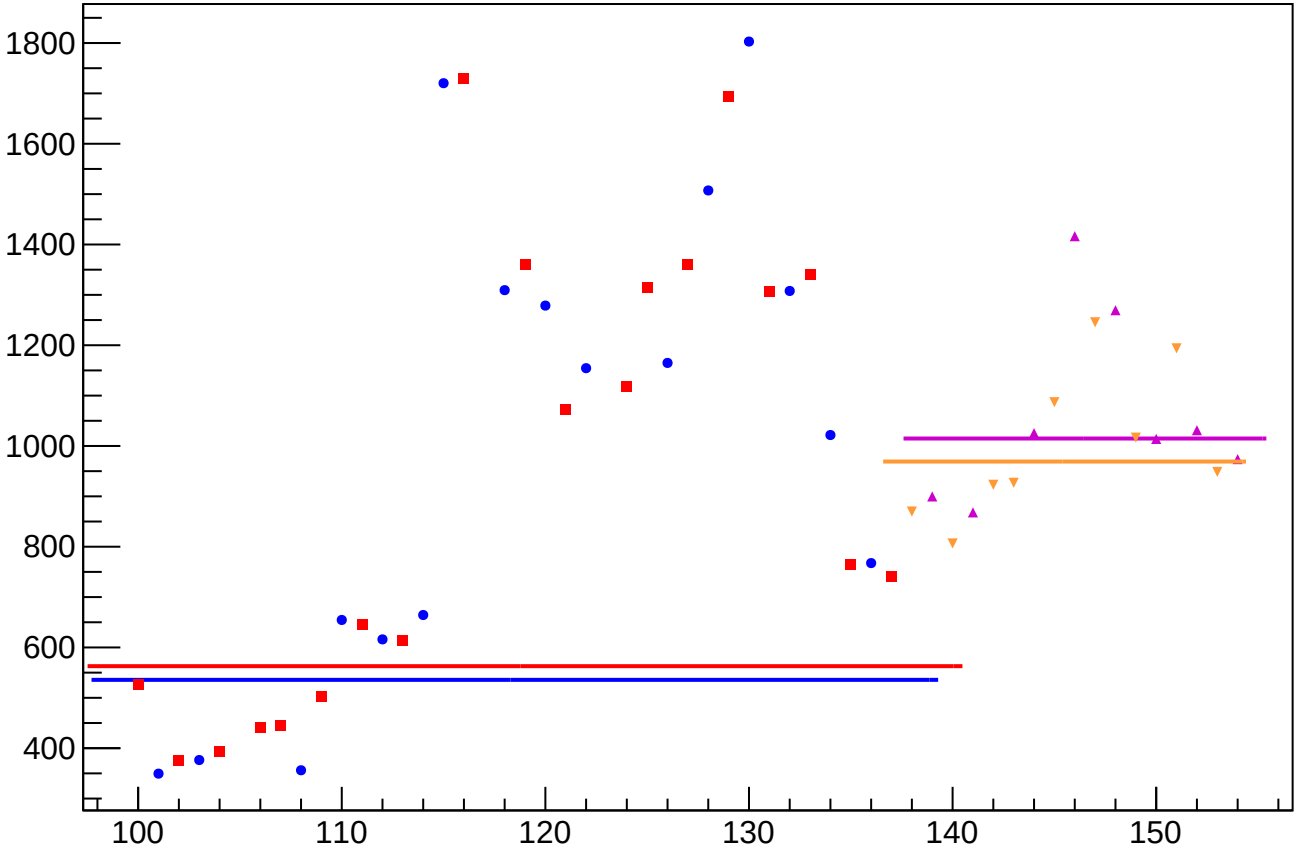
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 259.798+/-198.330 χ^2/NDF:31.0/23

Out: 123.143+/-196.694 χ^2/NDF:27.2/27

All: 190.905+/-139.658 χ^2/NDF: 58.4/51

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



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: 1014.797+/-0.275 χ^2/NDF:290596.5/7

Left: 990.858+/-0.190 χ^2/NDF: 561915.0/16

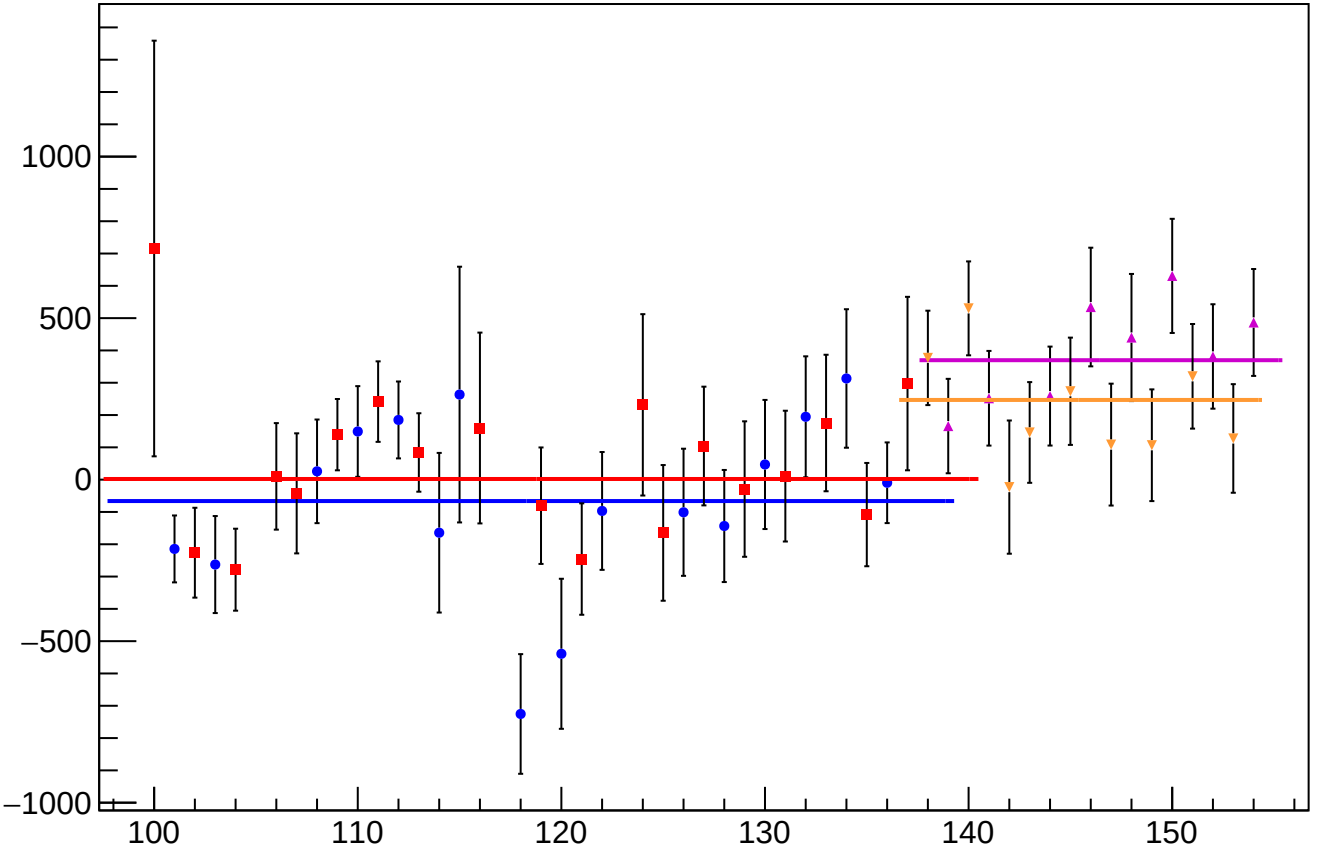
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 660.587+/-0.140 χ^2/NDF:6172511.3/23

Out: 677.474+/-0.139 χ^2/NDF:5095962.2/27

All: 669.100+/-0.099 χ^2/NDF: 11275783.0/51

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: 369.783+/-57.900 χ^2/NDF:6.7/7

Left: 305.138+/-39.890 χ^2/NDF: 17.8/16

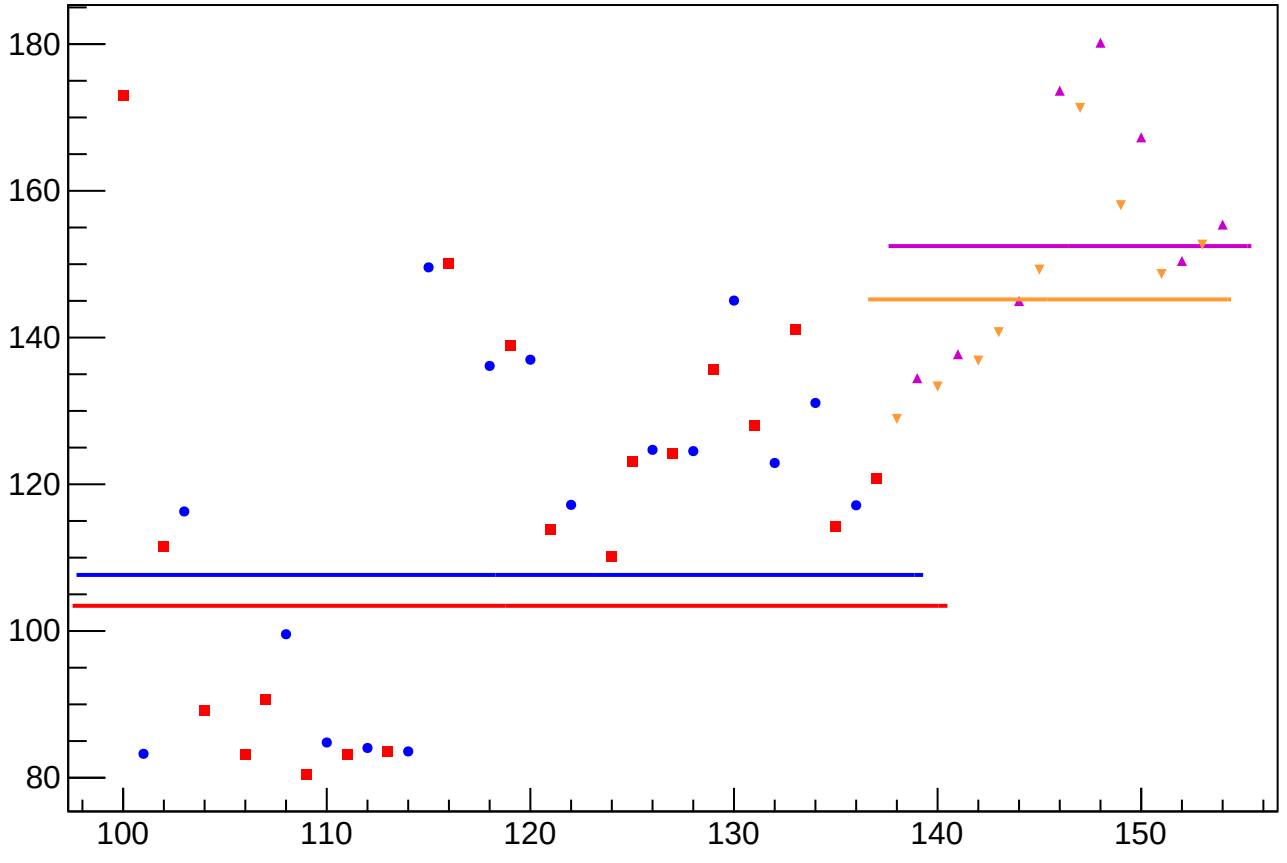
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 79.070+/-33.426 χ^2/NDF:79.0/23

Out: 83.677+/-31.786 χ^2/NDF:43.0/27

All: 81.489+/-23.034 χ^2/NDF: 121.9/51

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: 152.469+/-0.041 χ^2/NDF:136647.0/7

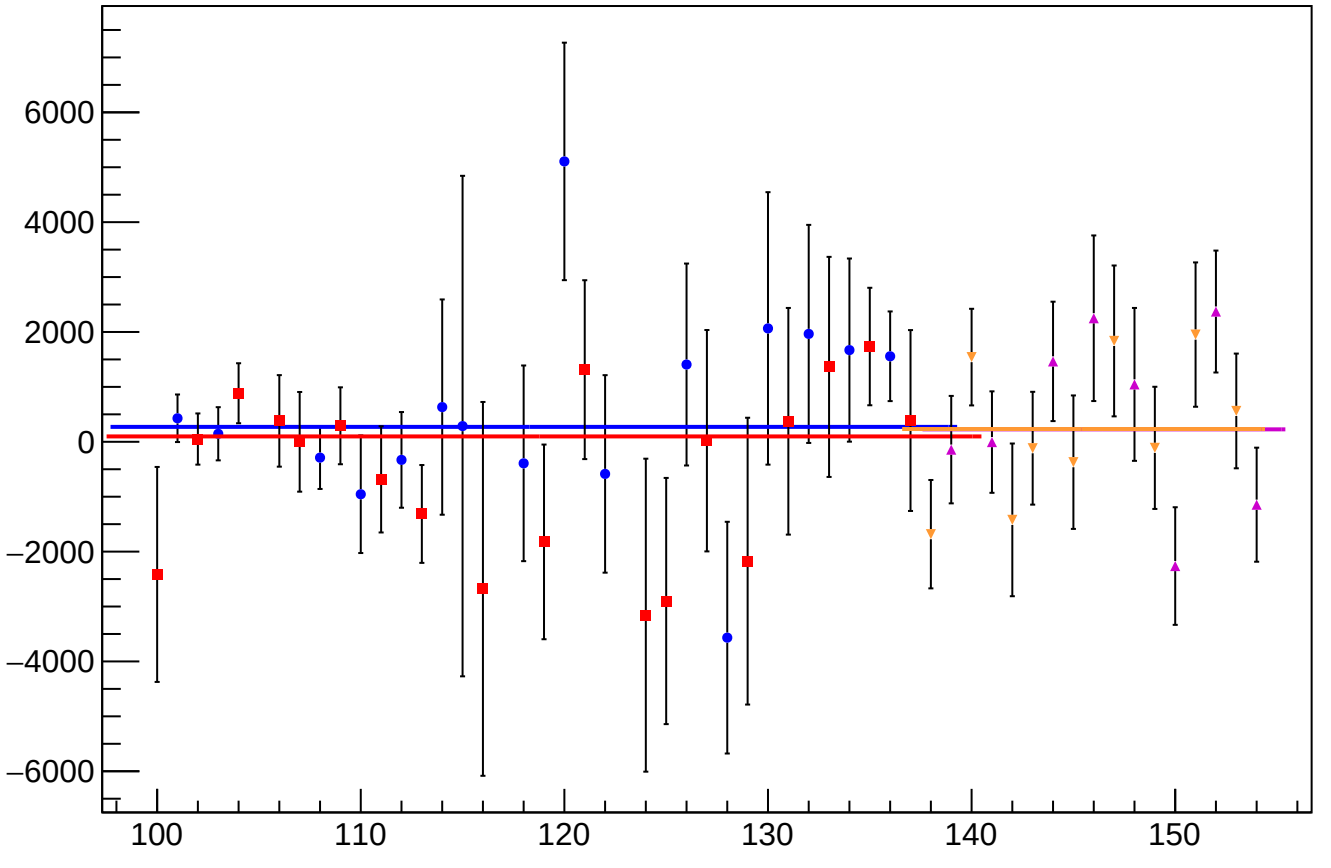
Left: 148.652+/-0.028 χ^2/NDF: 251665.7/16

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 122.584+/-0.024 χ^2/NDF:1468661.9/23

Out: 117.369+/-0.022 χ^2/NDF:1490816.1/27

All: 119.845+/-0.016 χ^2/NDF: 2985035.9/51



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: 226.588+/-388.436 χ^2/NDF:14.5/7

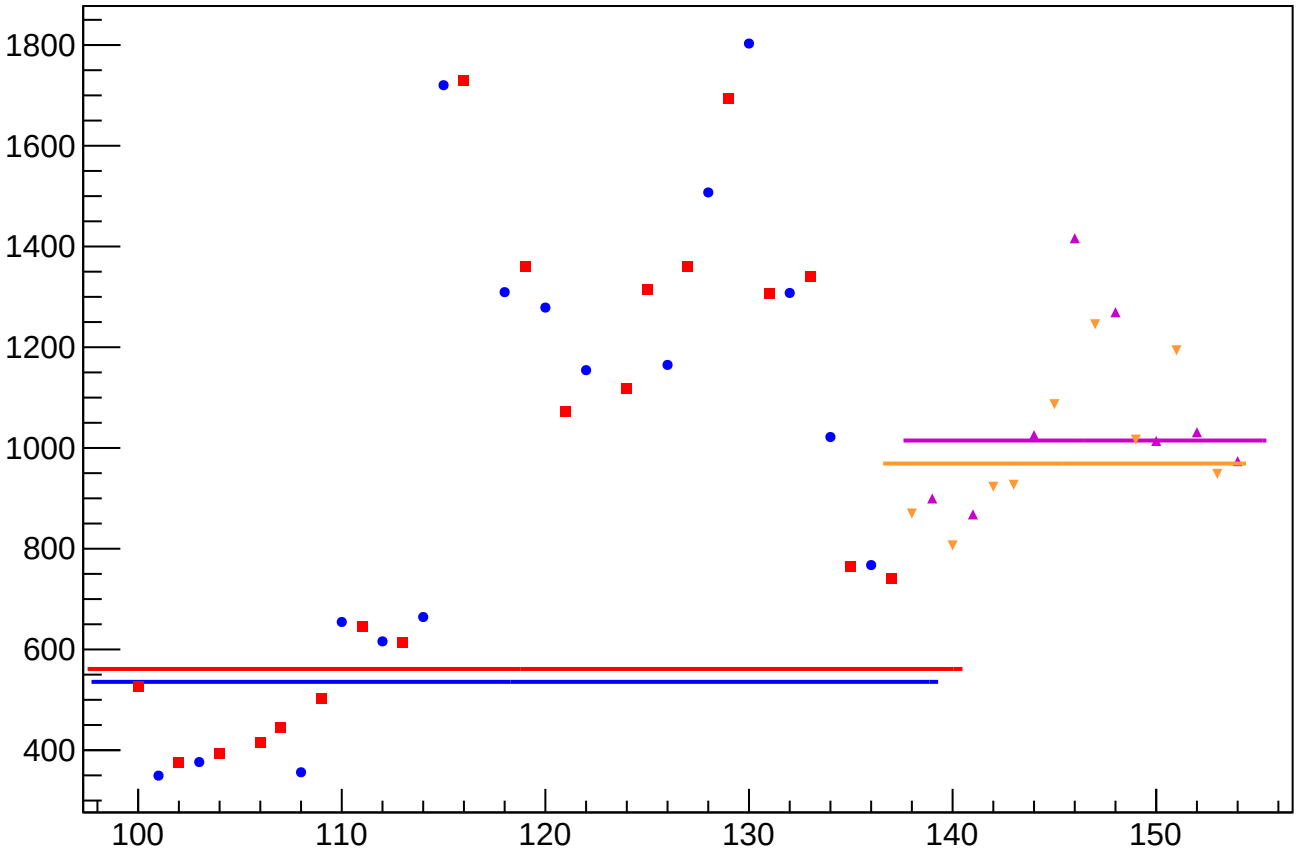
Left: 229.776+/-268.021 χ^2/NDF: 25.6/16

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 259.899+/-198.325 χ^2/NDF:31.0/23

Out: 136.036+/-197.075 χ^2/NDF:27.3/27

All: 197.576+/-139.793 χ^2/NDF: 58.5/51



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: 1014.798+/-0.275 χ^2/NDF:290596.8/7

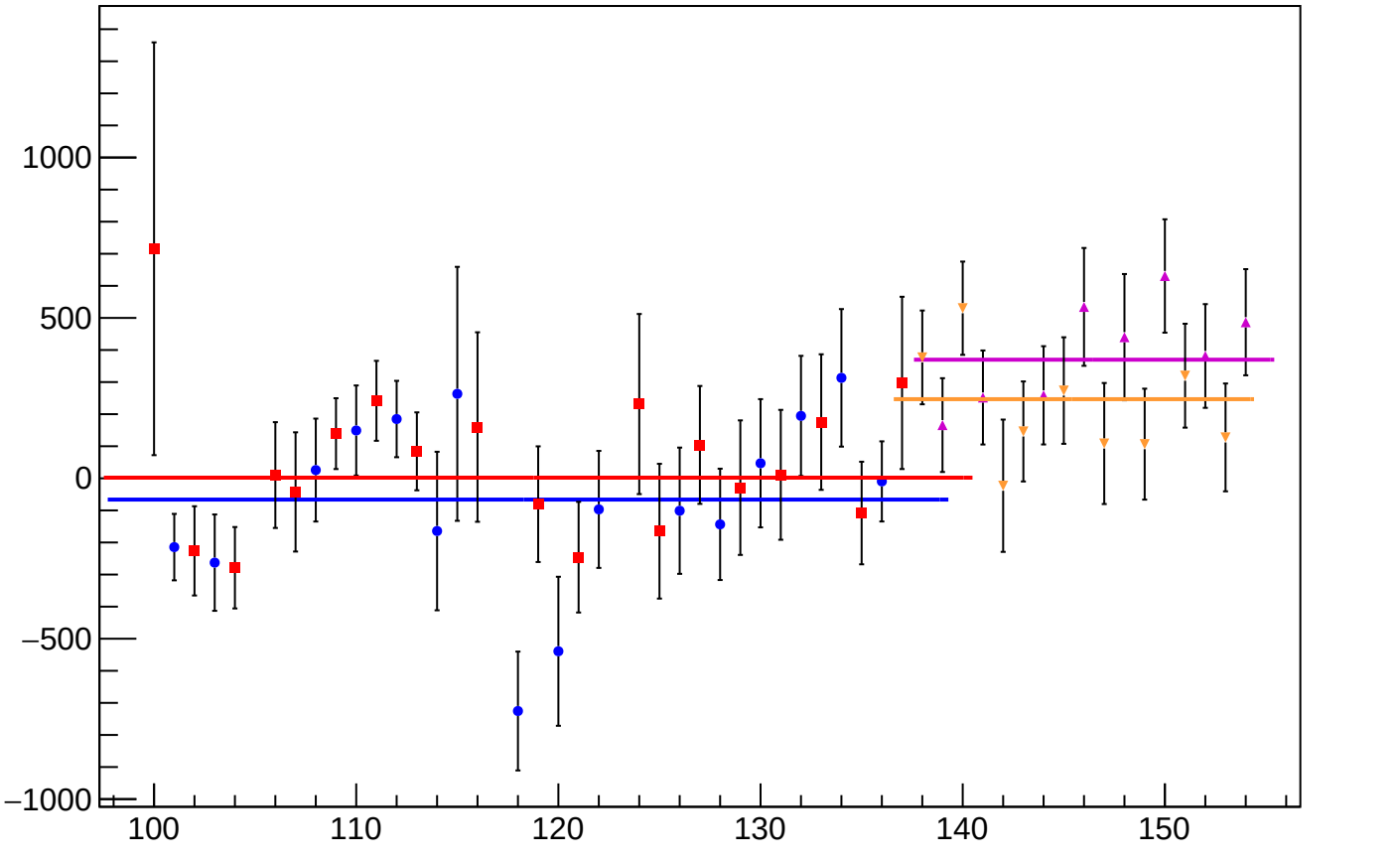
Left: 990.858+/-0.190 χ^2/NDF: 561915.4/16

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 660.565+/-0.140 χ^2/NDF:6172954.0/23

Out: 676.789+/-0.139 χ^2/NDF:5126466.0/27

All: 668.728+/-0.099 χ^2/NDF: 11306153.9/51



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: 369.783+/-57.900 χ^2/NDF:6.7/7

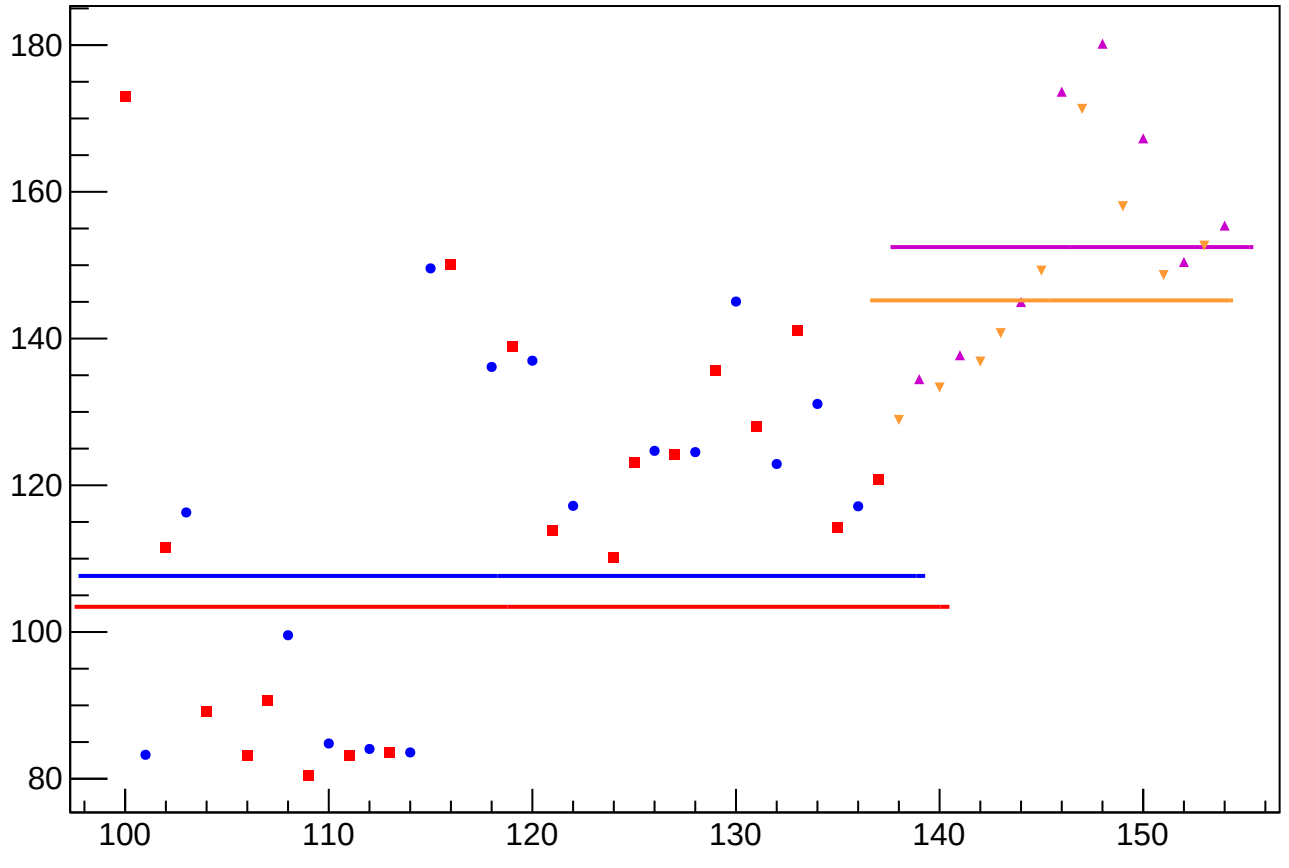
Left: 305.138+/-39.890 χ^2/NDF: 17.8/16

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 79.070+/-33.426 χ^2/NDF:79.0/23

Out: 83.677+/-31.786 χ^2/NDF:43.0/27

All: 81.489+/-23.034 χ^2/NDF: 121.9/51



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: 152.469+/-0.041 χ^2/NDF:136647.0/7

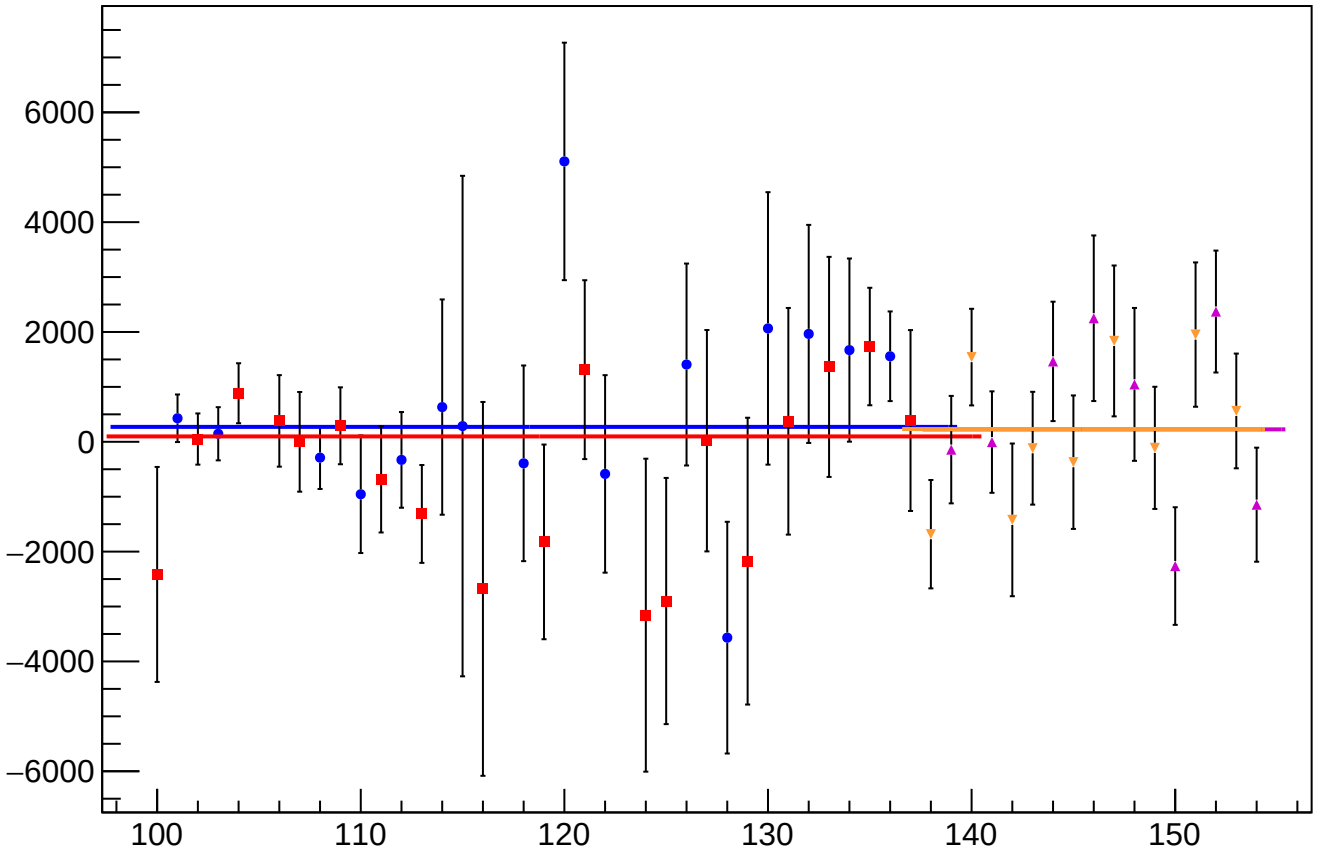
Left: 148.652+/-0.028 χ^2/NDF: 251665.7/16

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 122.584+/-0.024 χ^2/NDF:1468661.9/23

Out: 117.369+/-0.022 χ^2/NDF:1490816.1/27

All: 119.845+/-0.016 χ^2/NDF: 2985035.9/51



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: 226.588+/-388.436 χ^2/NDF:14.5/7

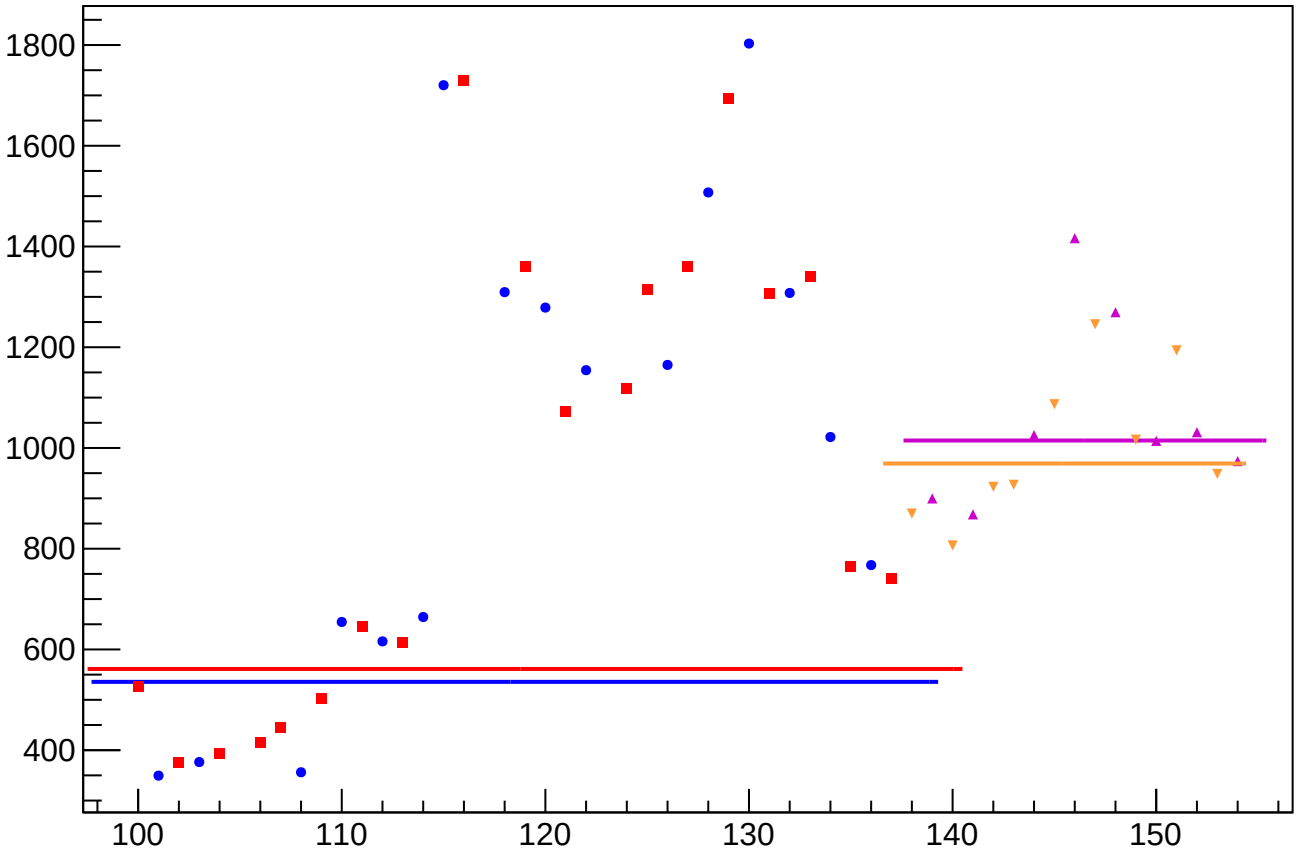
Left: 229.776+/-268.021 χ^2/NDF: 25.6/16

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 259.899+/-198.325 χ^2/NDF:31.0/23

Out: 136.036+/-197.075 χ^2/NDF:27.3/27

All: 197.576+/-139.793 χ^2/NDF: 58.5/51



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: 1014.798+/-0.275 χ^2/NDF:290596.8/7

Left: 990.858+/-0.190 χ^2/NDF: 561915.4/16

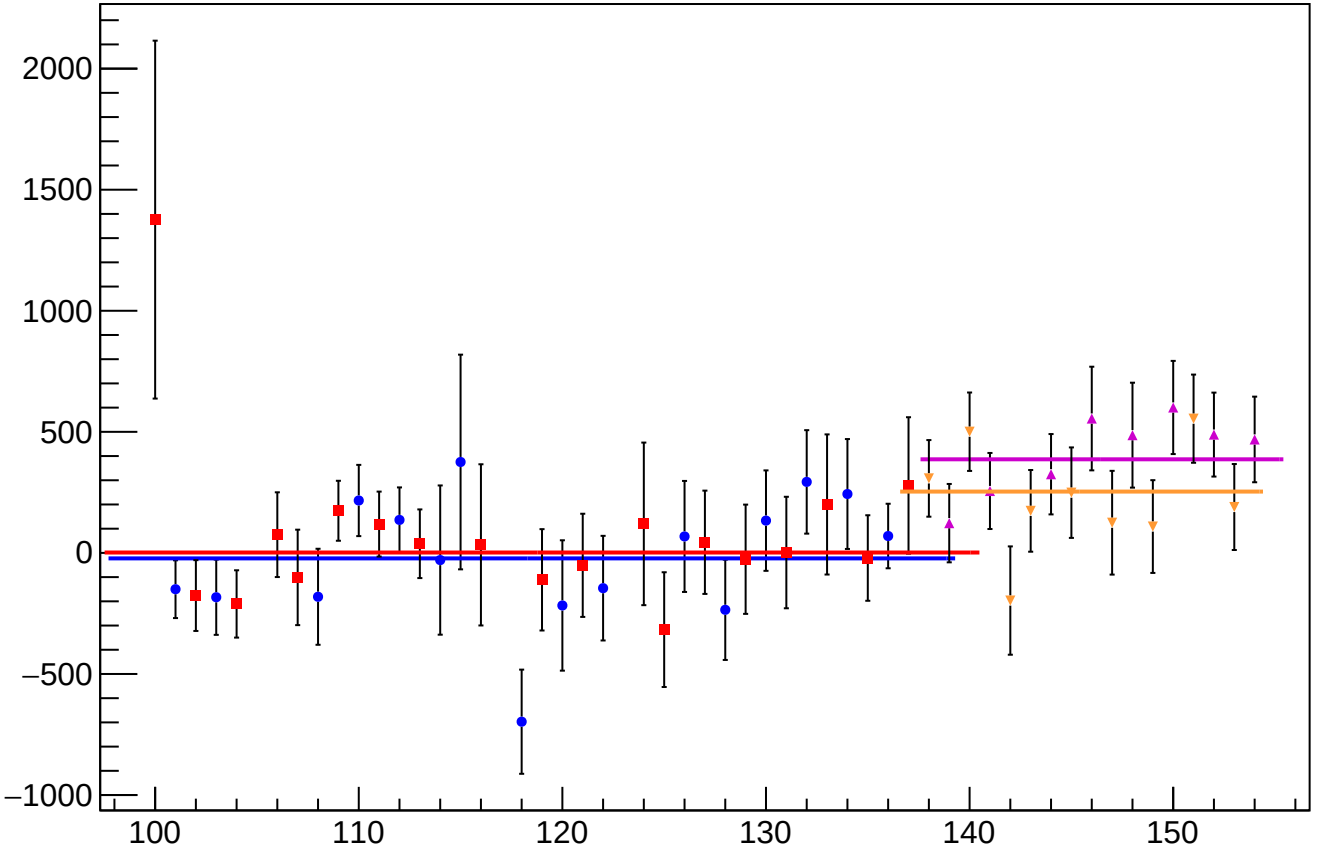
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 660.565+/-0.140 χ^2/NDF:6172954.0/23

Out: 676.789+/-0.139 χ^2/NDF:5126466.0/27

All: 668.728+/-0.099 χ^2/NDF: 11306153.9/51

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: 386.534+/-63.191 χ^2/NDF:6.1/7

Left: 317.066+/-43.718 χ^2/NDF: 18.9/16

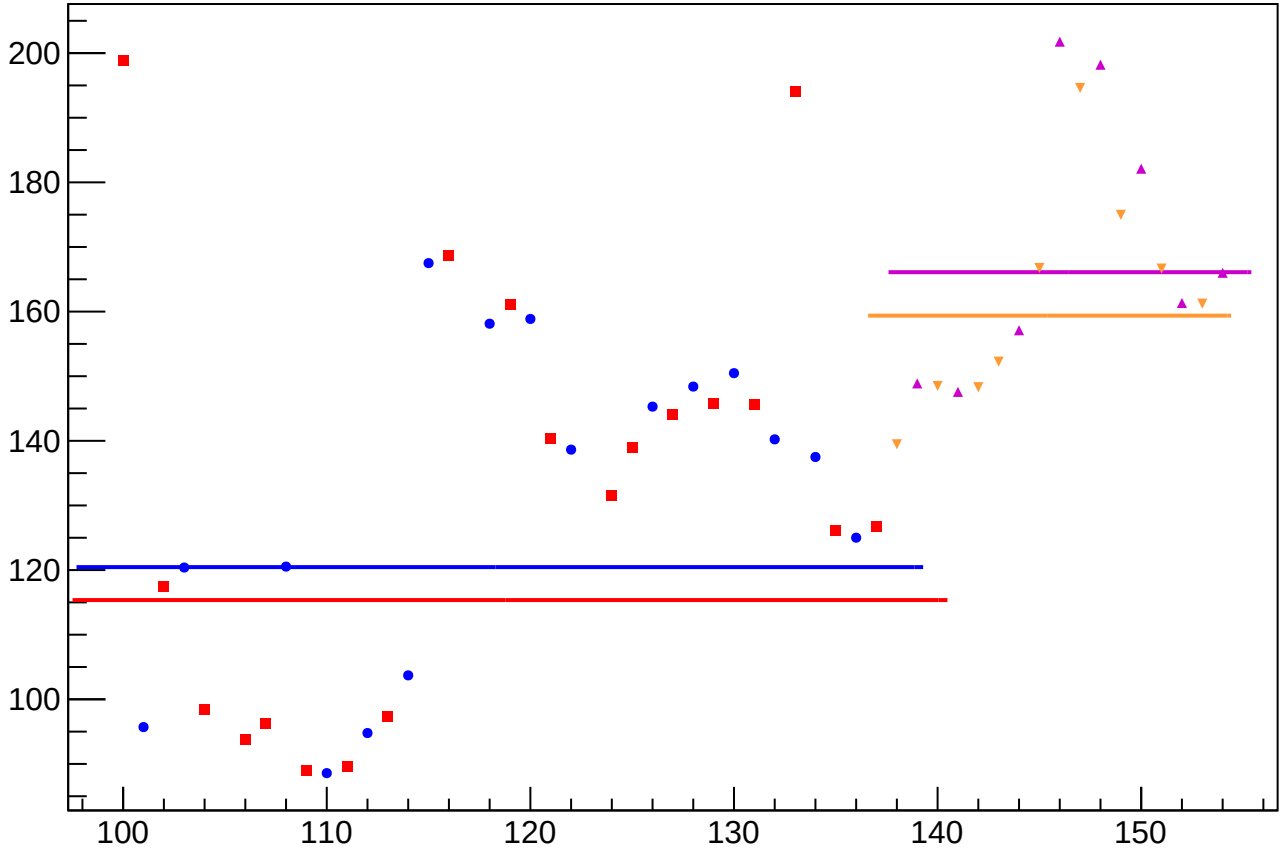
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 118.690+/-37.141 χ^2/NDF:57.7/23

Out: 87.449+/-35.362 χ^2/NDF:36.2/27

All: 102.303+/-25.610 χ^2/NDF: 94.3/51

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: 166.099+/-0.045 χ^2/NDF:171128.5/7

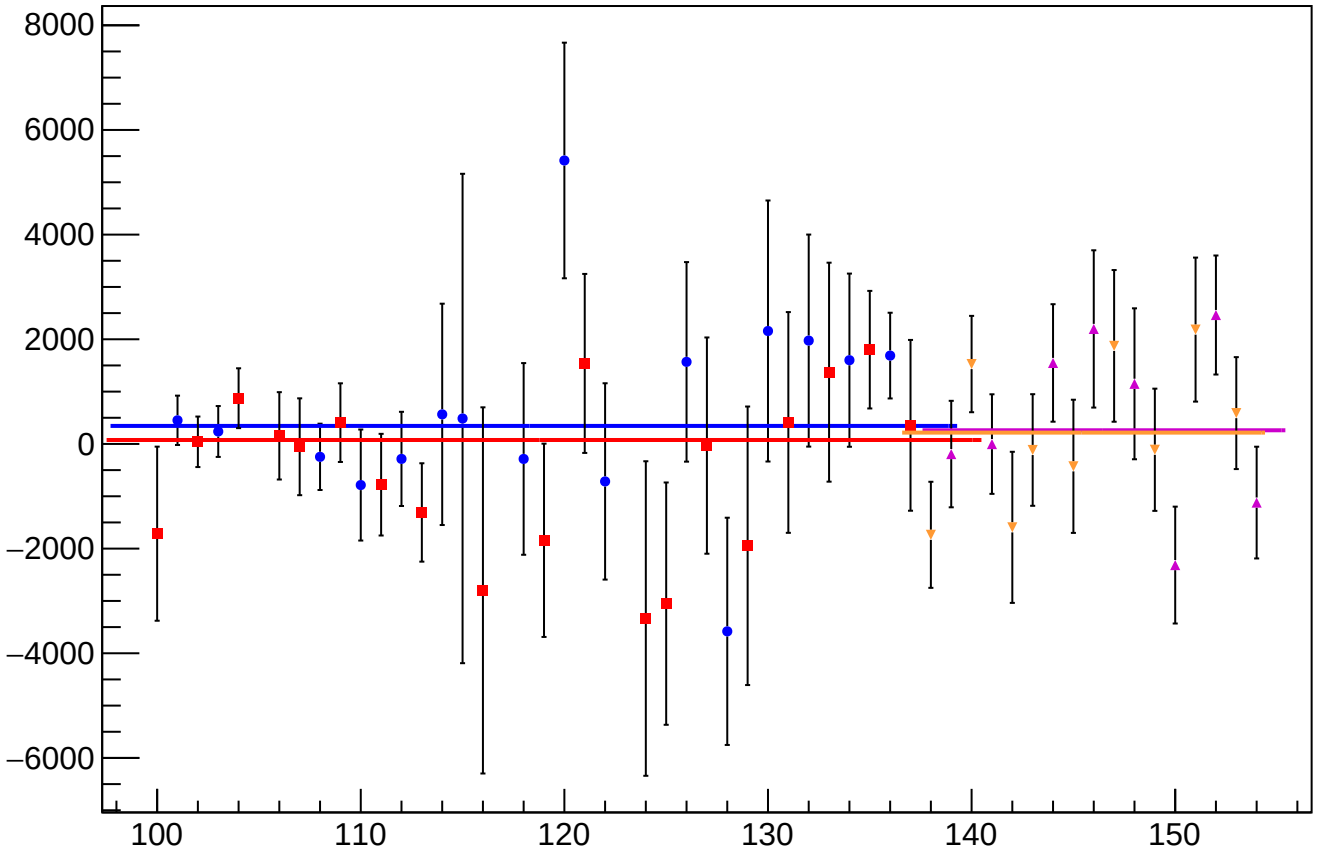
Left: 162.594+/-0.031 χ^2/NDF: 306017.3/16

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 136.226+/-0.026 χ^2/NDF:1384367.2/23

Out: 130.371+/-0.025 χ^2/NDF:1586835.7/27

All: 133.155+/-0.018 χ^2/NDF: 2997267.7/51



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: 261.095+/-400.303 χ^2/NDF:14.4/7

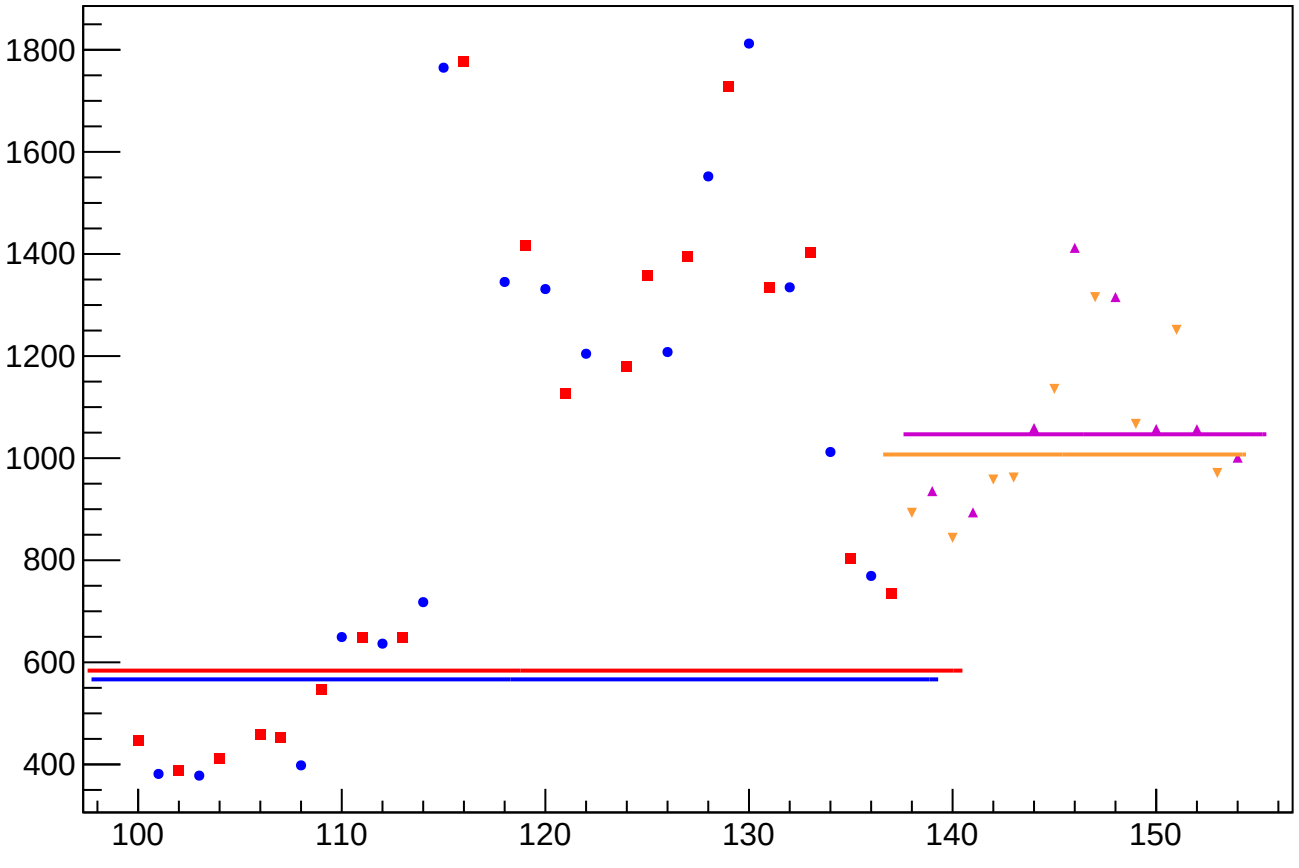
Left: 237.943+/-277.536 χ^2/NDF: 25.6/16

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 322.194+/-206.803 χ^2/NDF:30.7/23

Out: 115.010+/-203.979 χ^2/NDF:26.6/27

All: 217.177+/-145.223 χ^2/NDF: 57.7/51



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: 1046.759+/-0.283 χ^2/NDF:267540.7/7

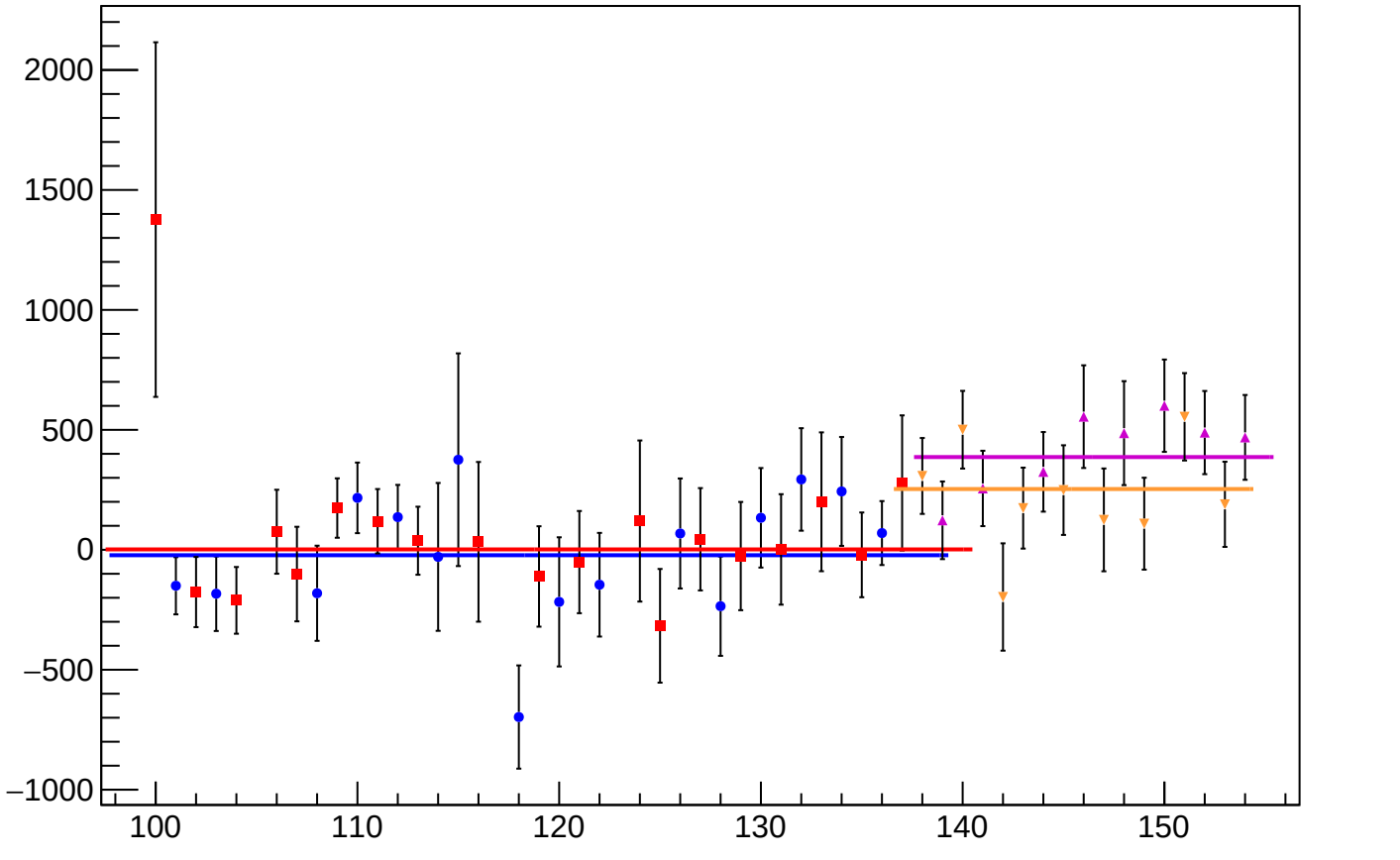
Left: 1026.209+/-0.196 χ^2/NDF: 553295.2/16

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 694.753+/-0.146 χ^2/NDF:5809494.1/23

Out: 702.565+/-0.144 χ^2/NDF:5122243.4/27

All: 698.713+/-0.103 χ^2/NDF: 10933183.9/51



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: 386.533+/-63.191 χ^2/NDF:6.1/7

Left: 317.067+/-43.718 χ^2/NDF: 18.9/16

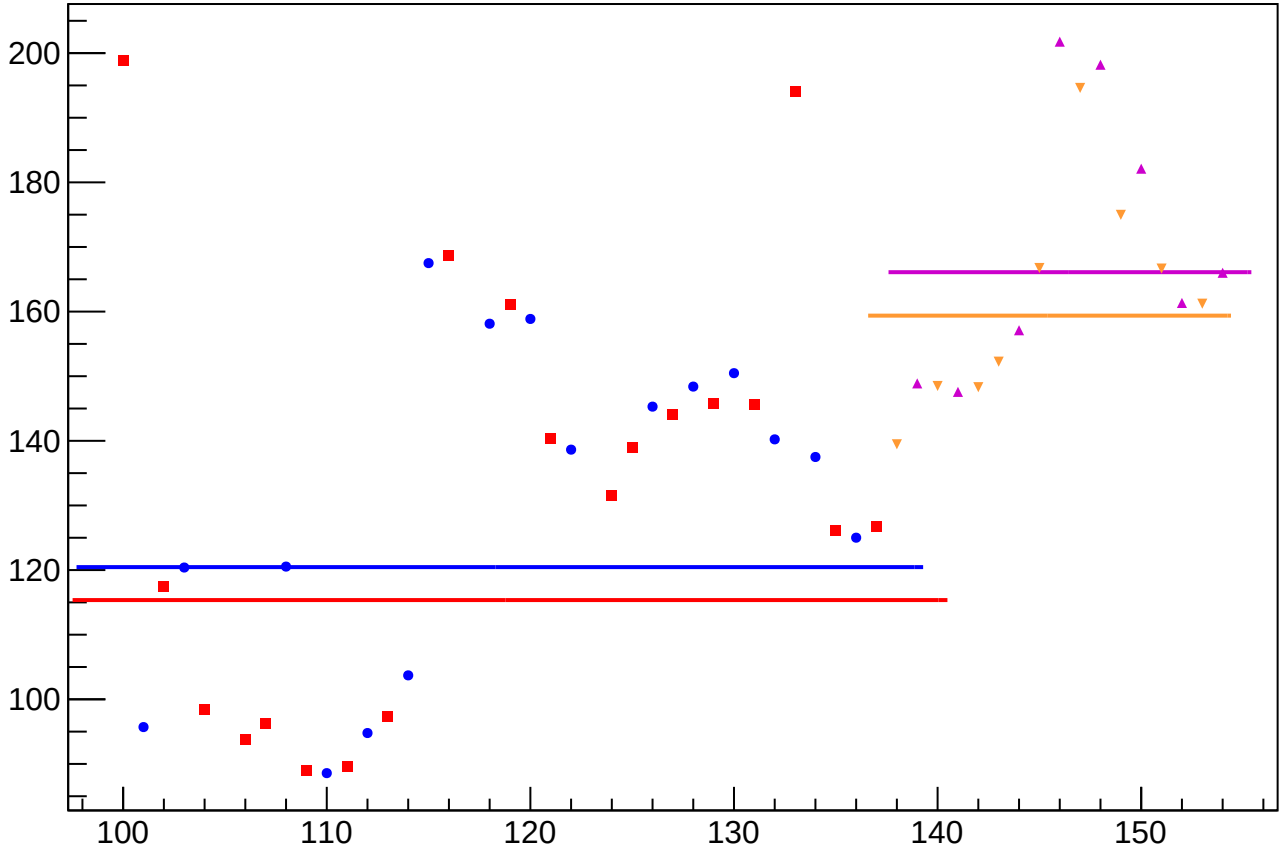
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 118.688+/-37.141 χ^2/NDF:57.7/23

Out: 87.450+/-35.361 χ^2/NDF:36.2/27

All: 102.303+/-25.610 χ^2/NDF: 94.3/51

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



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: 166.099+/-0.045 χ^2/NDF:171128.6/7

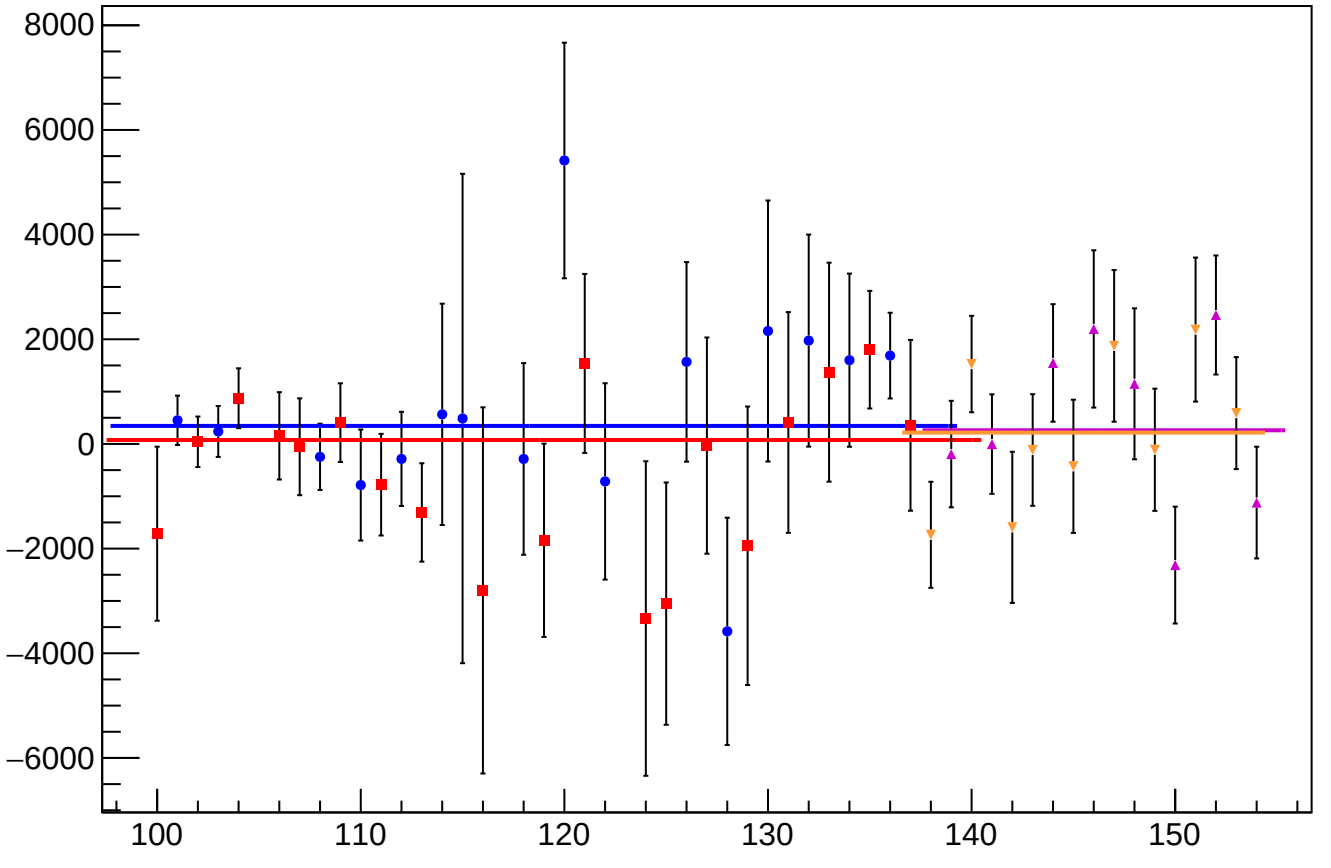
Left: 162.594+/-0.031 χ^2/NDF: 306016.5/16

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 136.225+/-0.026 χ^2/NDF:1384375.8/23

Out: 130.371+/-0.025 χ^2/NDF:1586834.4/27

All: 133.155+/-0.018 χ^2/NDF: 2997274.8/51



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: 261.094+/-400.303 χ^2/NDF:14.4/7

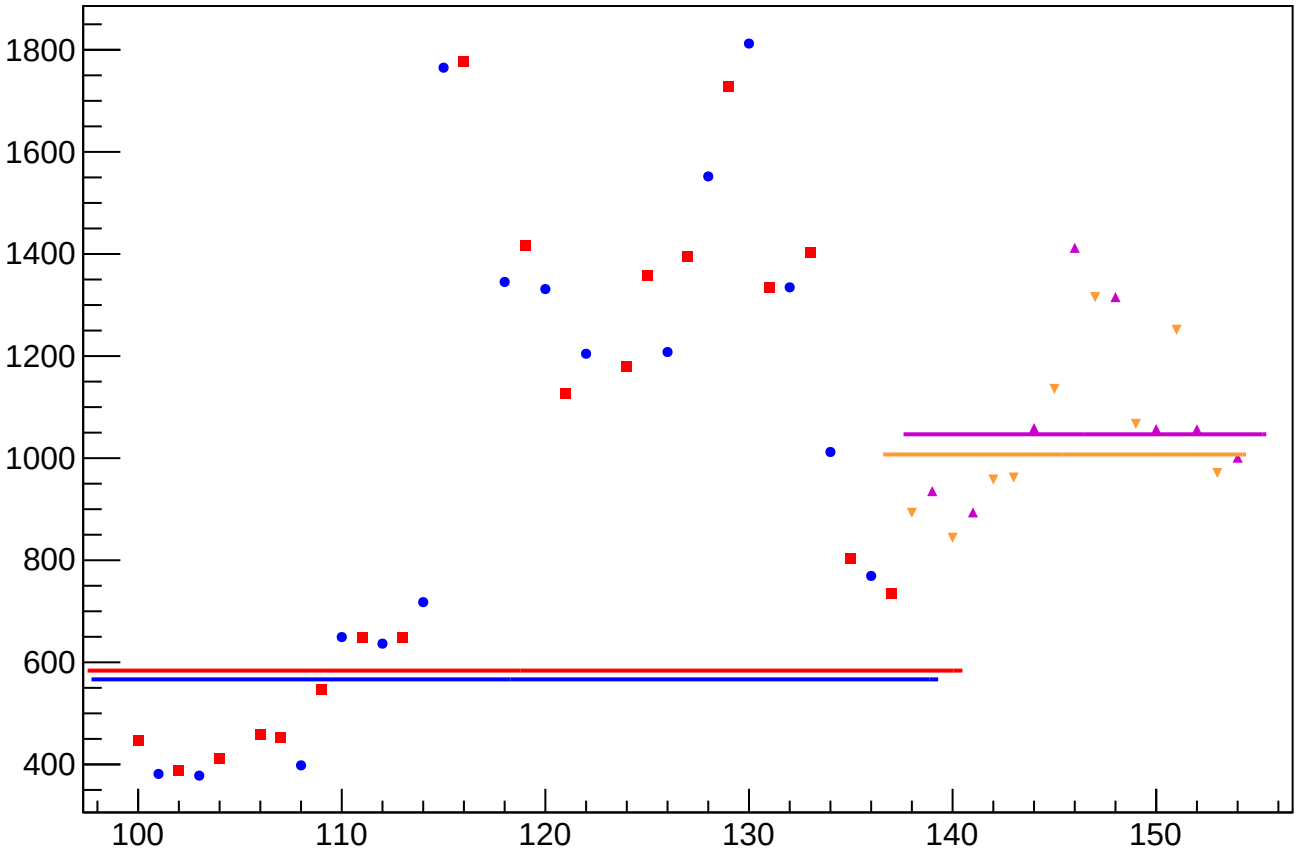
Left: 237.943+/-277.536 χ^2/NDF: 25.6/16

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 322.193+/-206.803 χ^2/NDF:30.7/23

Out: 115.011+/-203.979 χ^2/NDF:26.6/27

All: 217.178+/-145.223 χ^2/NDF: 57.7/51



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: 1046.759+/-0.283 χ^2/NDF:267540.8/7

Left: 1026.209+/-0.196 χ^2/NDF: 553295.5/16

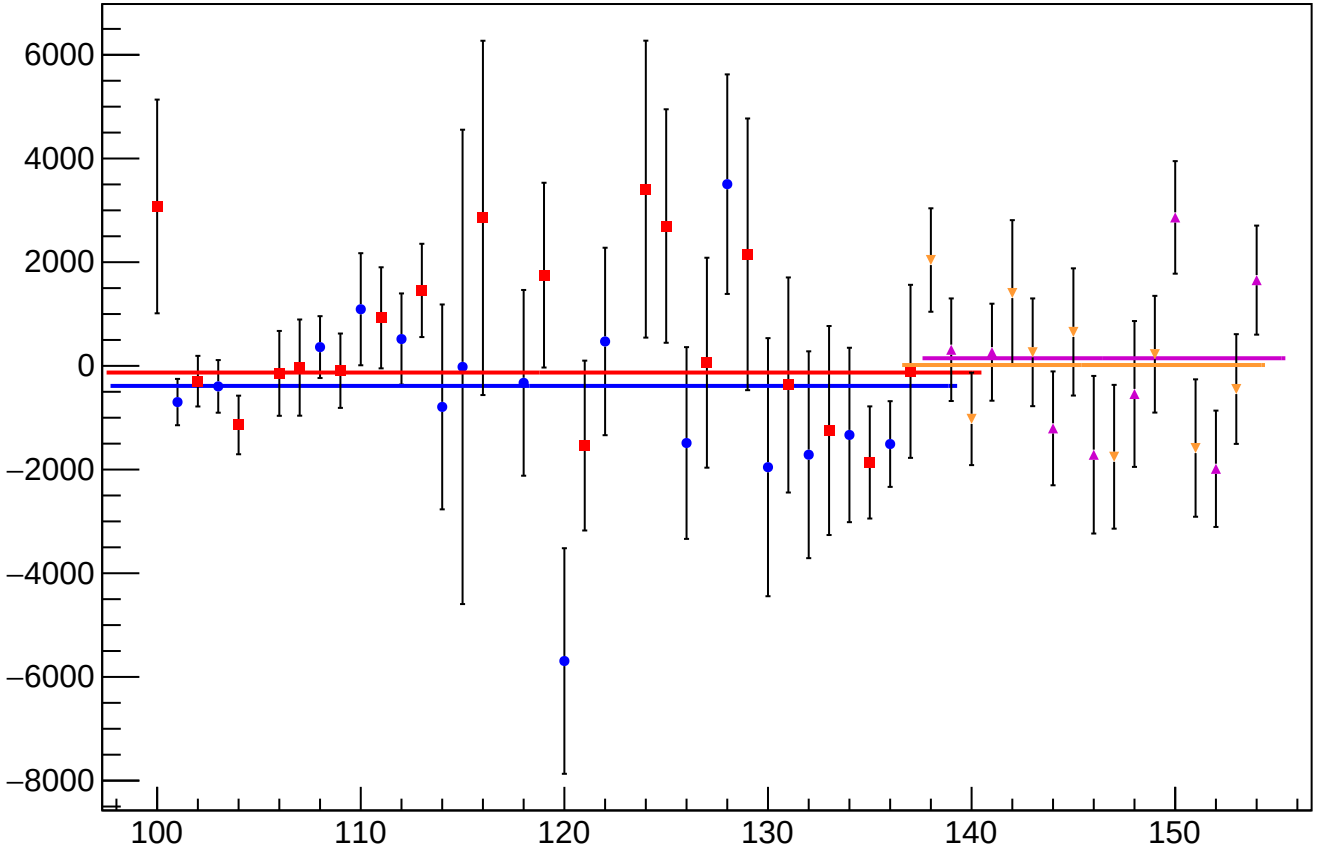
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 694.753+/-0.146 χ^2/NDF:5809505.9/23

Out: 702.565+/-0.144 χ^2/NDF:5122244.8/27

All: 698.712+/-0.103 χ^2/NDF: 10933197.2/51

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: 147.245+/-392.903 χ^2/NDF:15.2/7

Left: 78.808+/-271.096 χ^2/NDF: 25.4/16

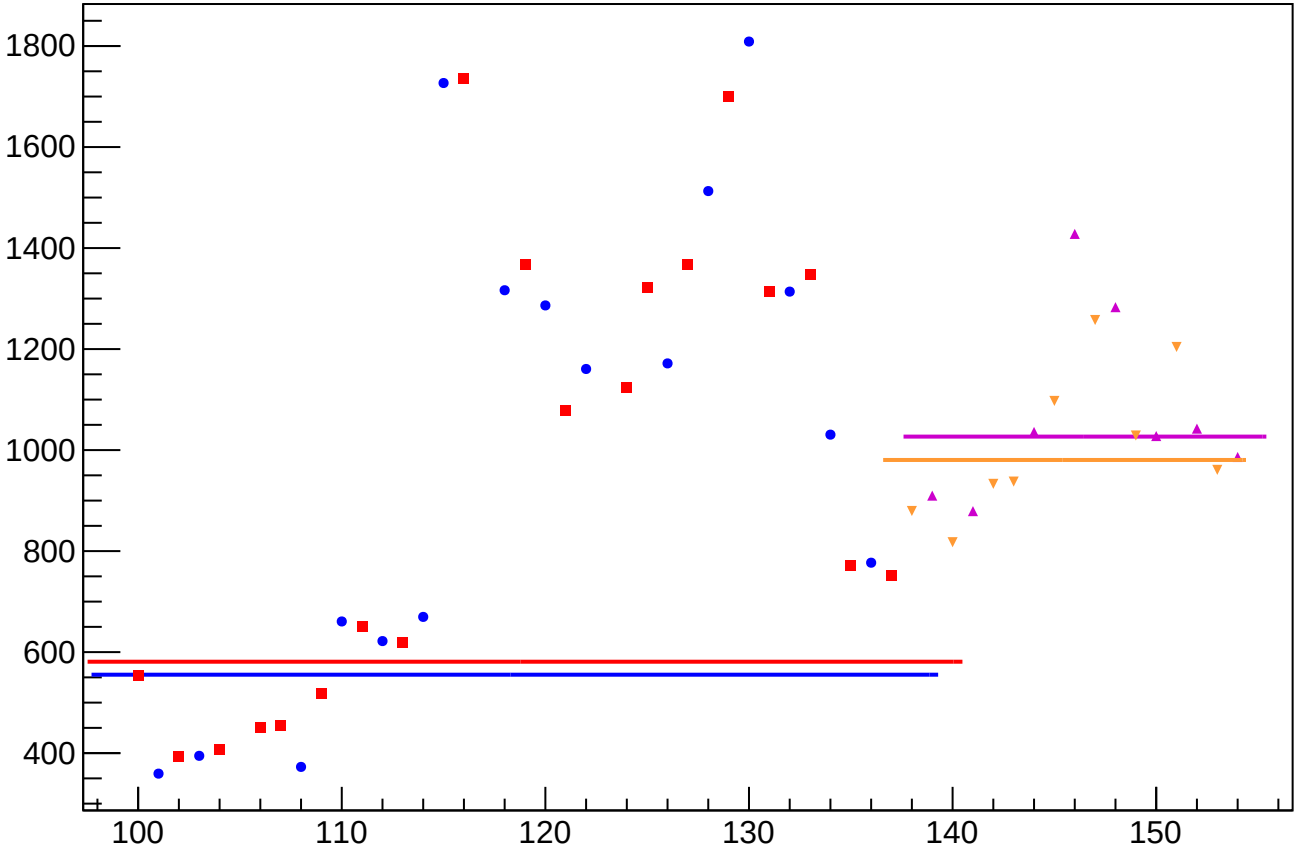
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -243.660+/-203.268 χ^2/NDF:34.5/23

Out: -86.755+/-201.018 χ^2/NDF:29.6/27

All: -164.334+/-142.930 χ^2/NDF: 64.4/51

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: 1026.706+/-0.278 χ^2/NDF:286942.4/7

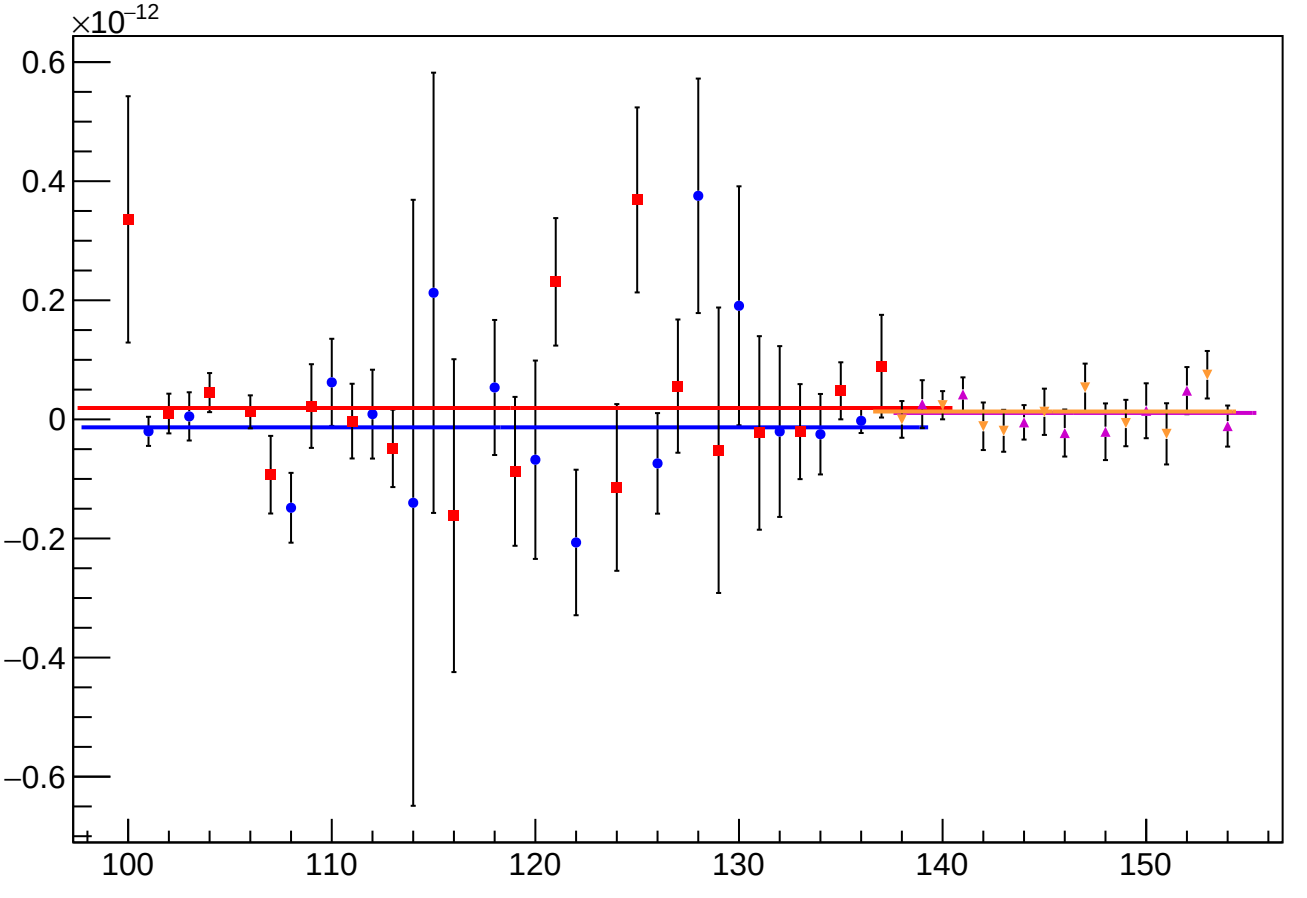
Left: 1002.471+/-0.192 χ^2/NDF: 553697.3/16

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 681.466+/-0.144 χ^2/NDF:5878020.9/23

Out: 696.065+/-0.142 χ^2/NDF:4855449.5/27

All: 688.846+/-0.101 χ^2/NDF: 10738686.3/51



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:4.1/7

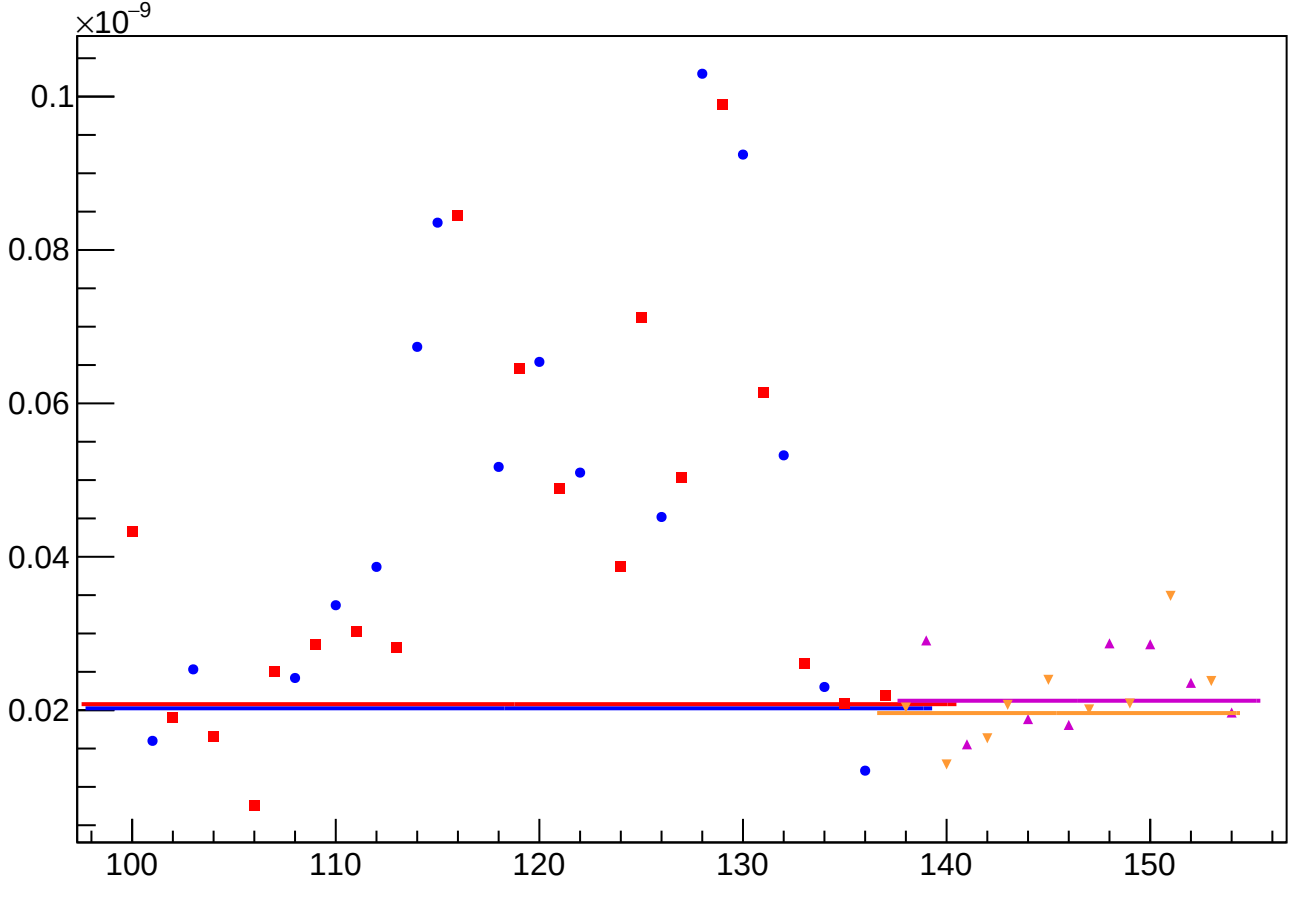
Left: 0.000+/-0.000 χ^2/NDF: 9.9/16

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:21.8/23

Out: 0.000+/-0.000 χ^2/NDF:25.8/27

All: 0.000+/-0.000 χ^2/NDF: 49.3/51



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:293417.8/7

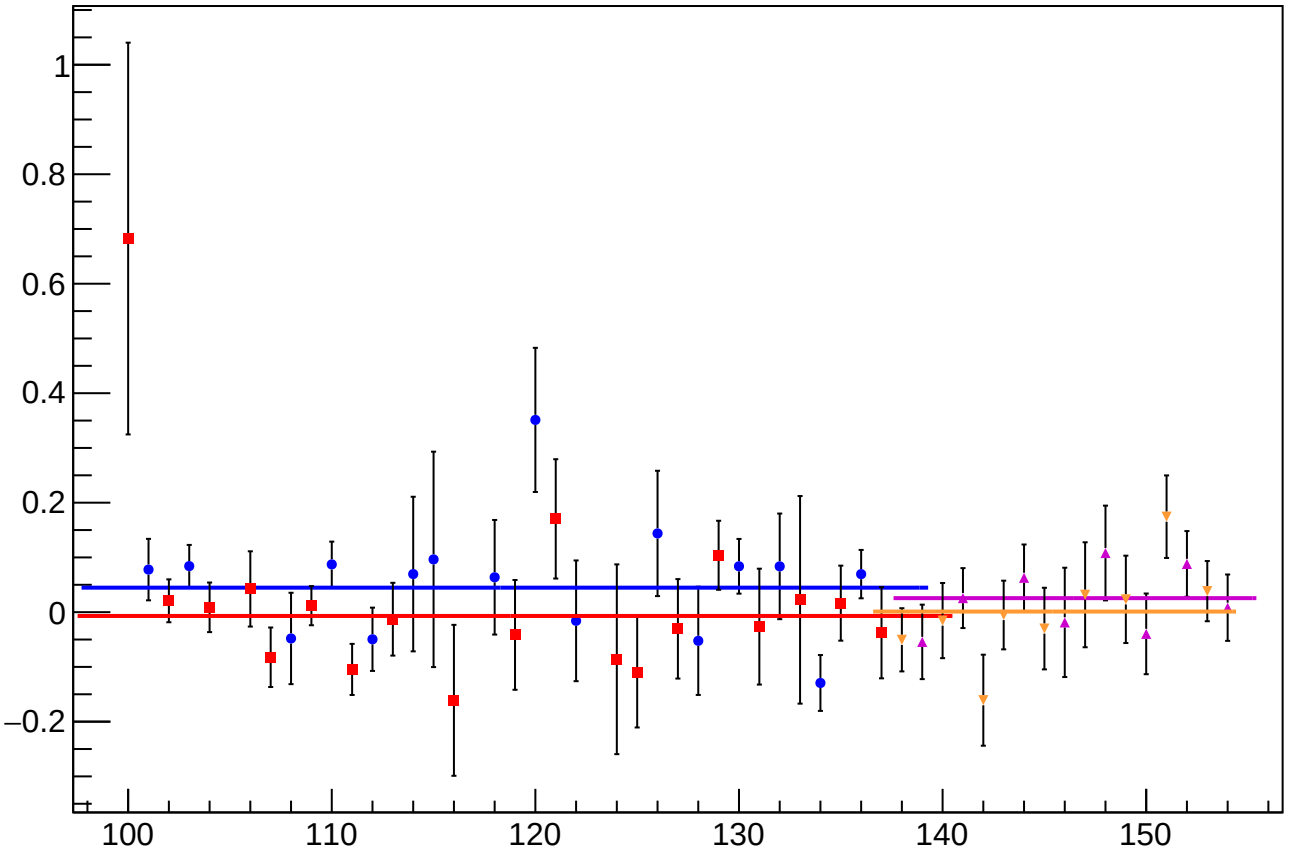
Left: 0.000+/-0.000 χ^2/NDF: 712927.2/16

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2303955.0/23

Out: 0.000+/-0.000 χ^2/NDF:2266522.5/27

All: 0.000+/-0.000 χ^2/NDF: 4575348.6/51



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: 0.026+/-0.024 χ^2/NDF:4.8/7

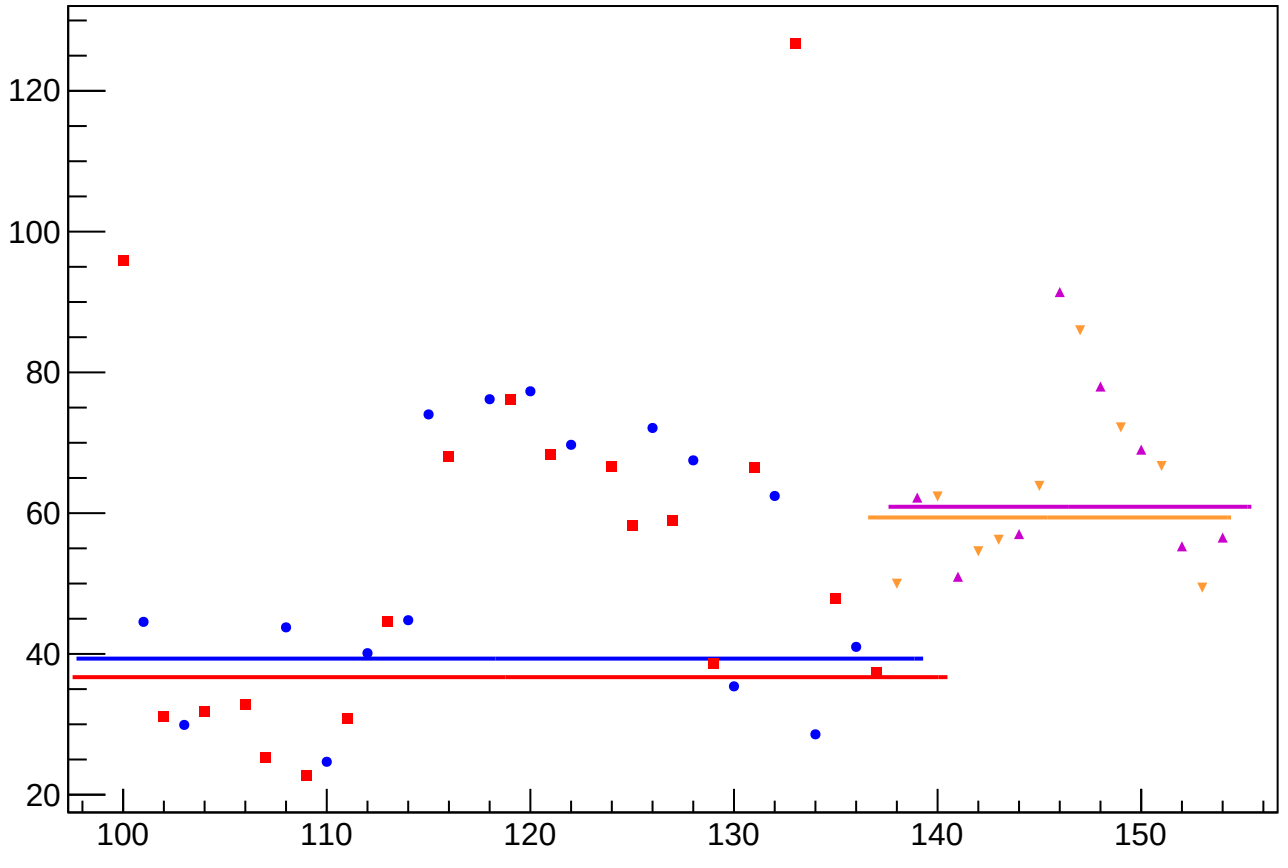
Left: 0.013+/-0.017 χ^2/NDF: 16.1/16

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.013 χ^2/NDF:31.9/23

Out: -0.005+/-0.013 χ^2/NDF:31.0/27

All: 0.016+/-0.009 χ^2/NDF: 68.4/51



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: 60.908+/-0.017 χ^2/NDF:391577.2/7

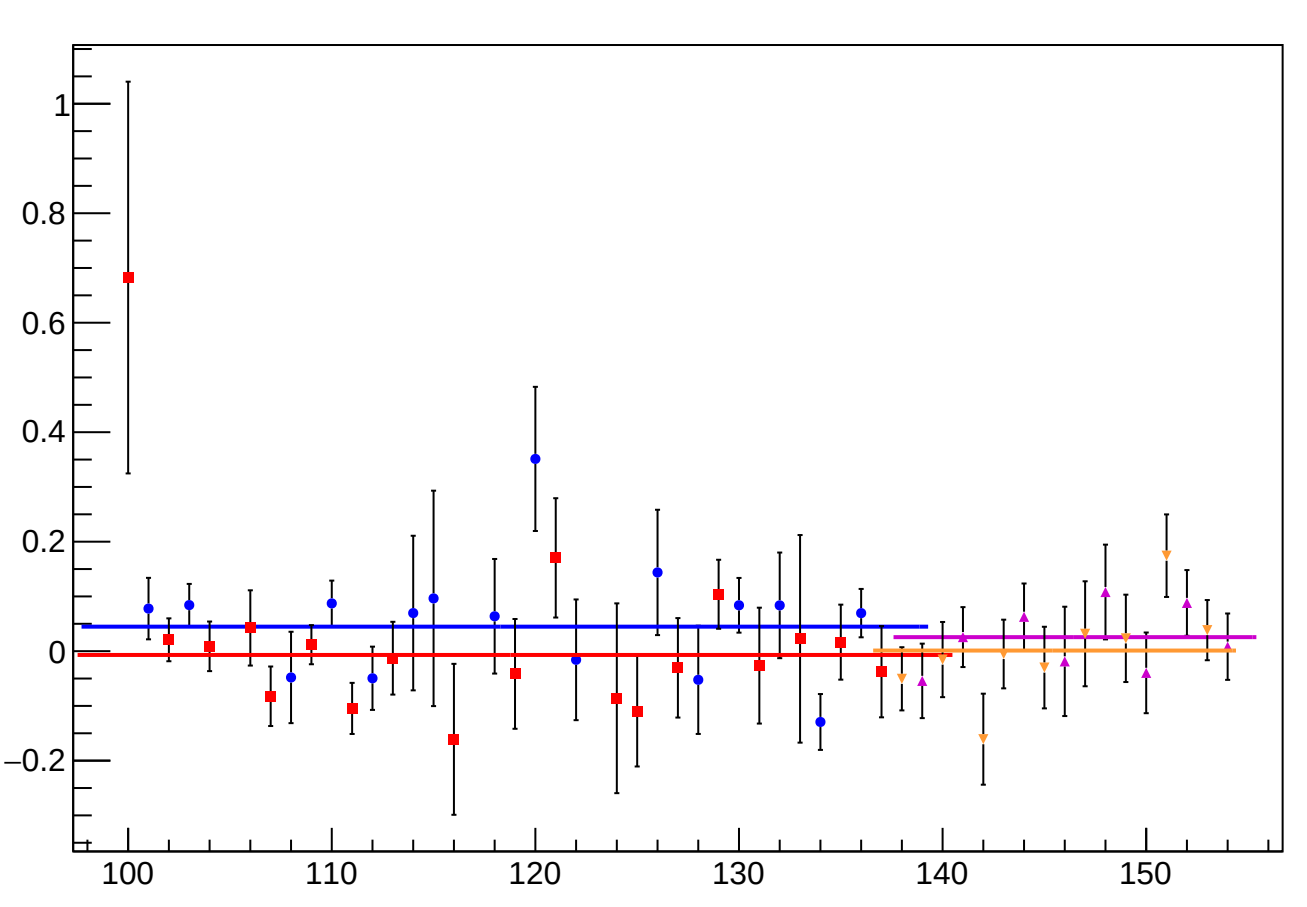
Left: 60.132+/-0.012 χ^2/NDF: 761605.0/16

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.121+/-0.009 χ^2/NDF:3098767.3/23

Out: 43.472+/-0.009 χ^2/NDF:3808404.8/27

All: 44.734+/-0.006 χ^2/NDF: 6948924.2/51



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: 0.026+/-0.024 χ^2/NDF:4.8/7

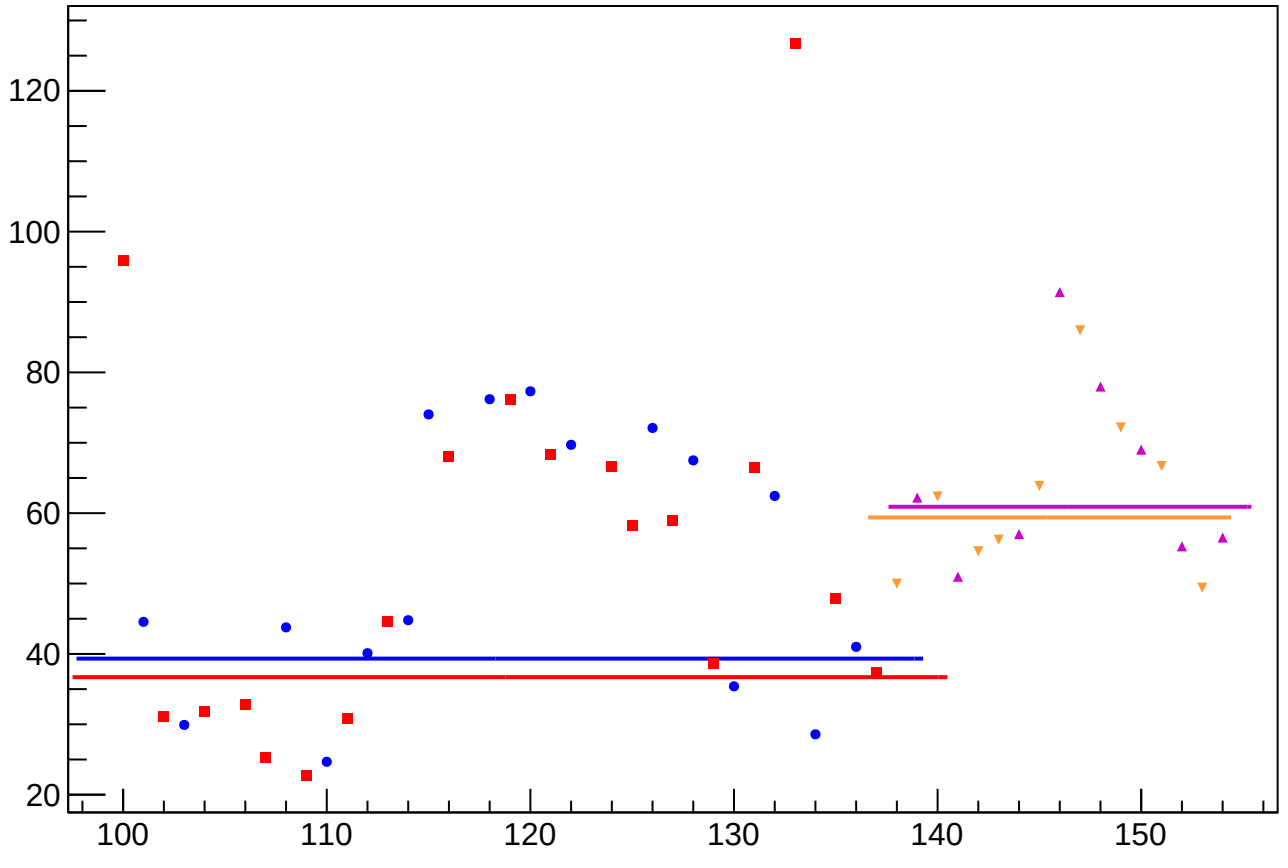
Left: 0.013+/-0.017 χ^2/NDF: 16.1/16

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.013 χ^2/NDF:31.9/23

Out: -0.005+/-0.013 χ^2/NDF:31.0/27

All: 0.016+/-0.009 χ^2/NDF: 68.4/51



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: 60.908+/-0.017 χ^2/NDF:391577.2/7

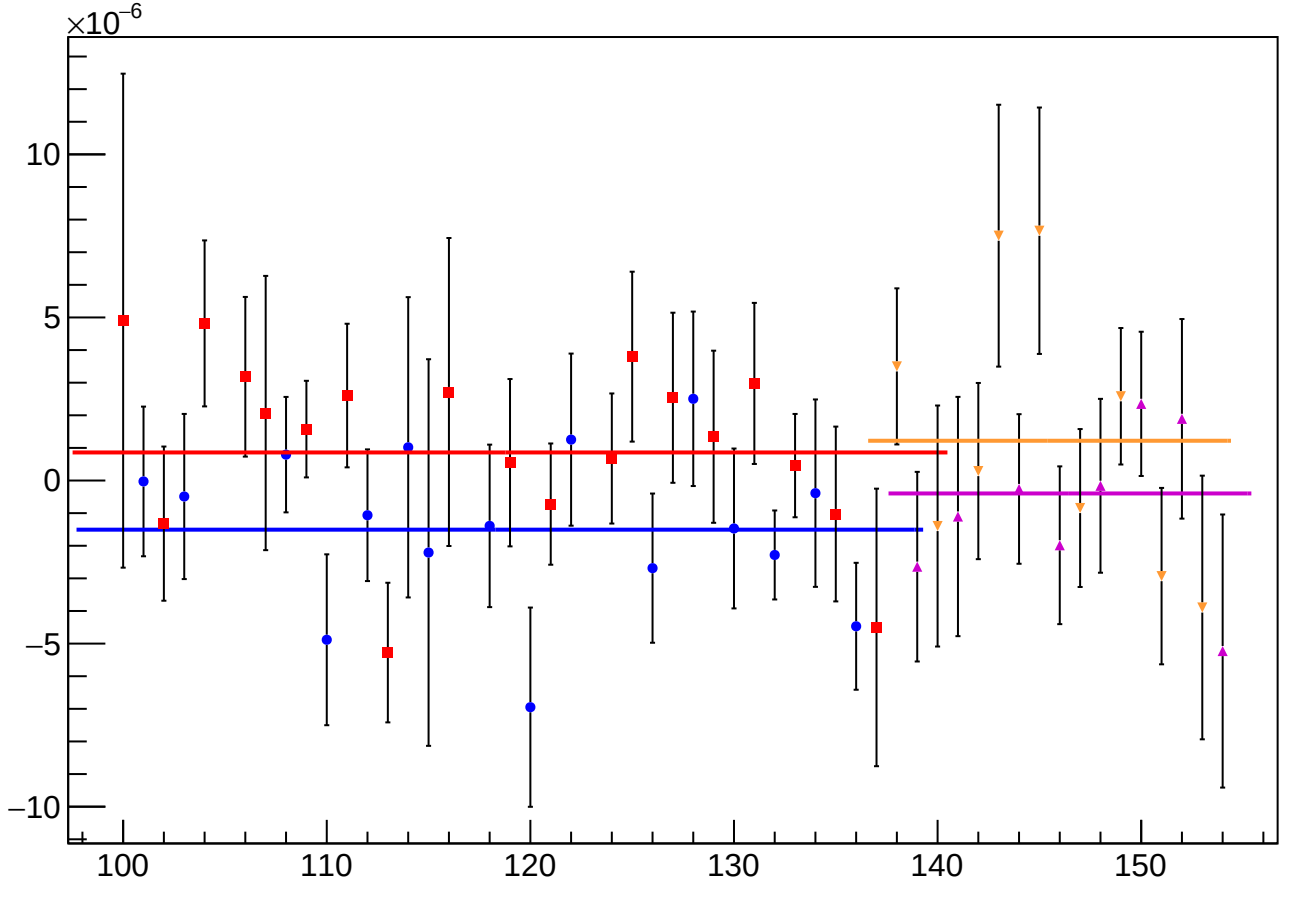
Left: 60.132+/-0.012 χ^2/NDF: 761605.0/16

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.121+/-0.009 χ^2/NDF:3098767.3/23

Out: 43.472+/-0.009 χ^2/NDF:3808404.8/27

All: 44.734+/-0.006 χ^2/NDF: 6948924.2/51



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:4.5/7

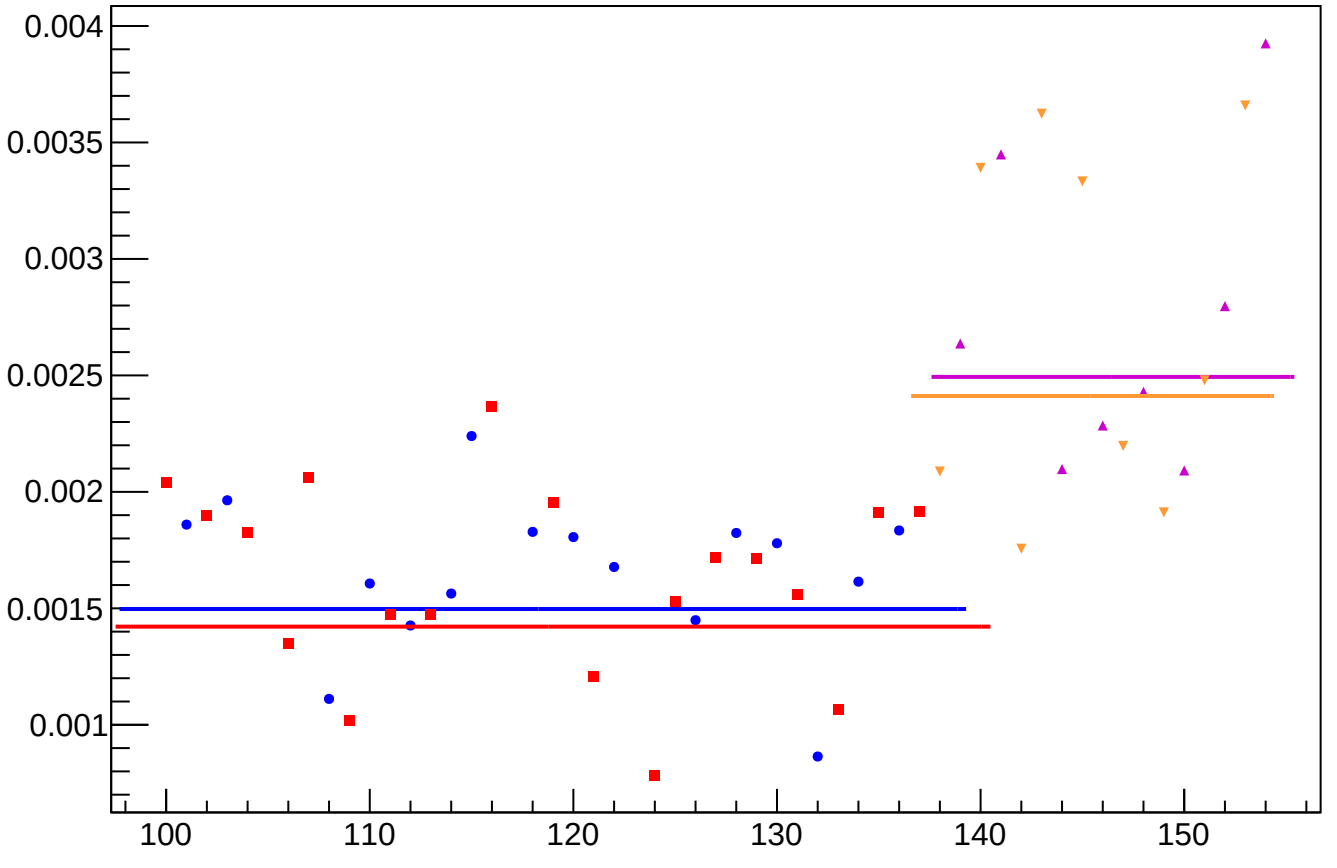
Left: 0.000+/-0.000 χ^2/NDF: 17.9/16

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:19.3/23

Out: 0.000+/-0.000 χ^2/NDF:31.2/27

All: -0.000+/-0.000 χ^2/NDF: 60.5/51



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:917397.1/8

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.002+/-0.000 χ^2/NDF:535654.7/7

Left: 0.002+/-0.000 χ^2/NDF: 1460394.7/16

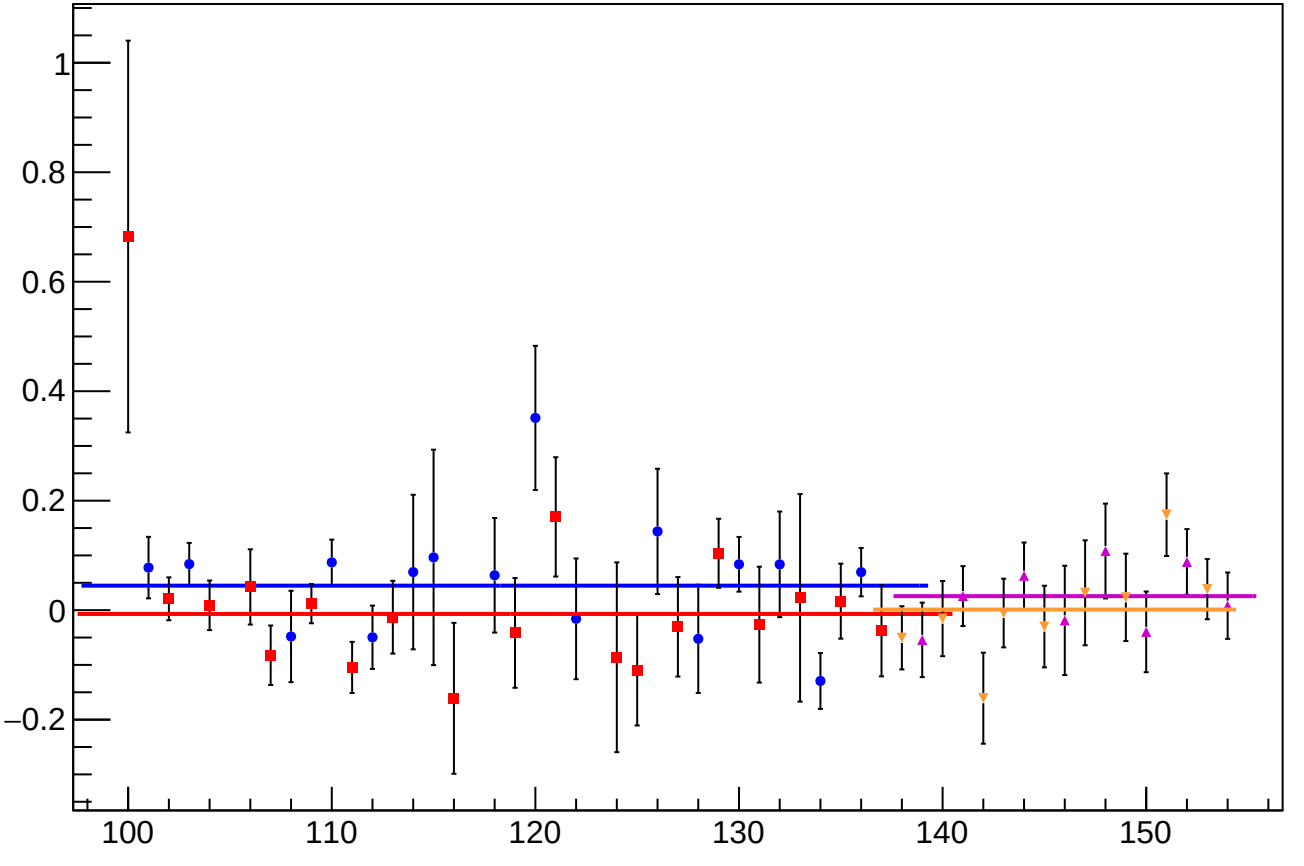
Right: 0.001+/-0.000 χ^2/NDF: 1883510.3/34

In: 0.002+/-0.000 χ^2/NDF:2956536.1/23

Out: 0.002+/-0.000 χ^2/NDF:3558642.8/27

All: 0.002+/-0.000 χ^2/NDF: 6552566.0/51

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.8/8

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.026+/-0.024 χ^2/NDF:4.8/7

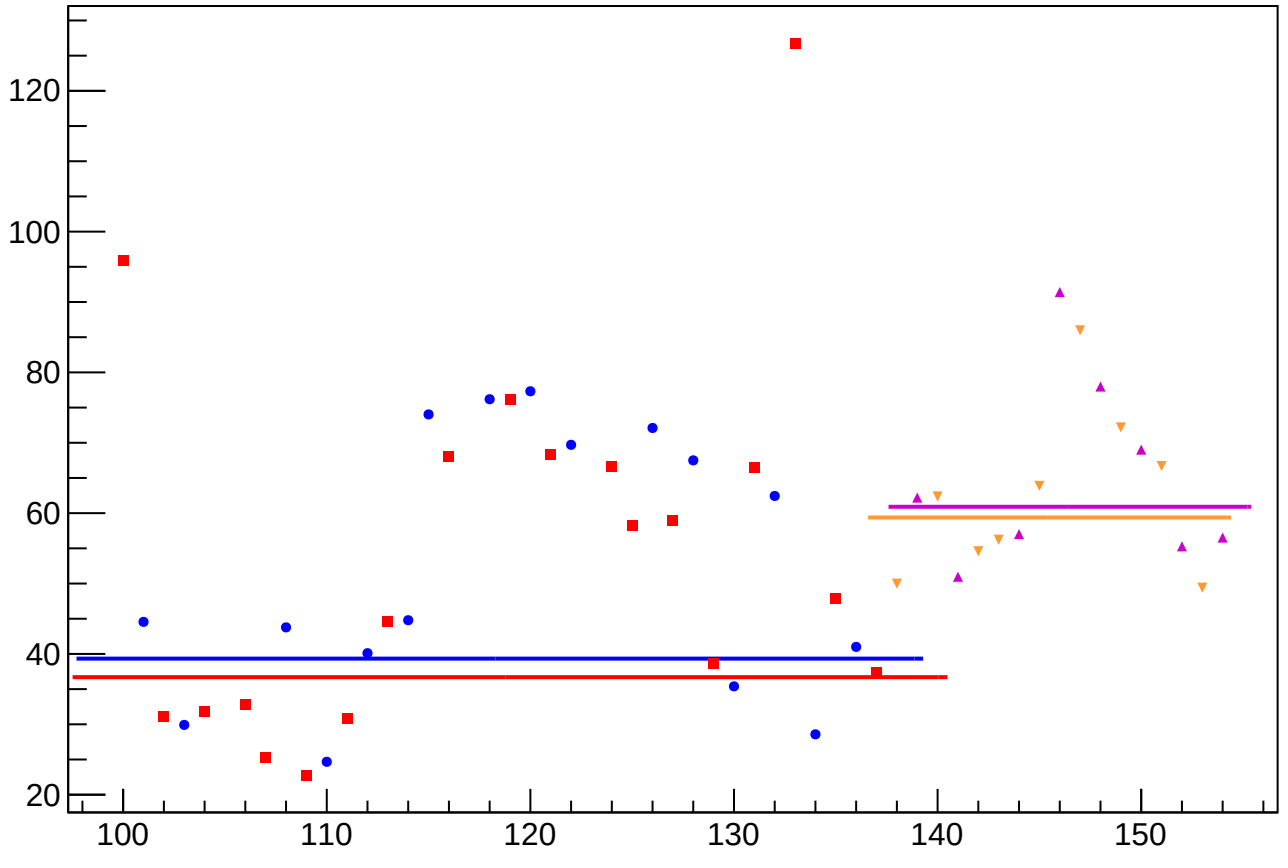
Left: 0.013+/-0.017 χ^2/NDF: 16.1/16

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.013 χ^2/NDF:31.9/23

Out: -0.005+/-0.013 χ^2/NDF:31.0/27

All: 0.016+/-0.009 χ^2/NDF: 68.4/51



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: 60.907+/-0.017 χ^2/NDF:391583.1/7

Left: 60.132+/-0.012 χ^2/NDF: 761595.9/16

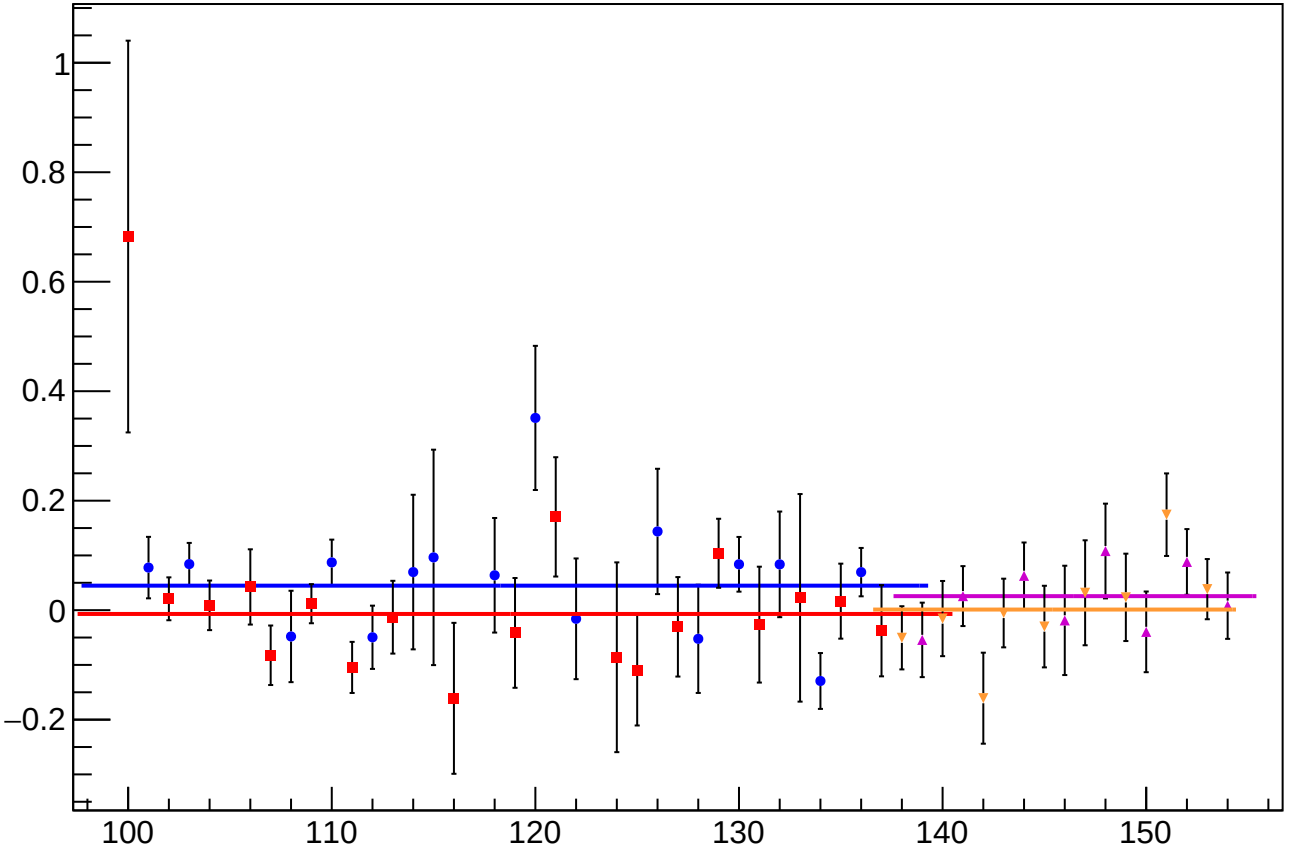
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.120+/-0.009 χ^2/NDF:3098815.5/23

Out: 43.472+/-0.009 χ^2/NDF:3808370.4/27

All: 44.734+/-0.006 χ^2/NDF: 6948931.0/51

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: 0.026+/-0.024 χ^2/NDF:4.8/7

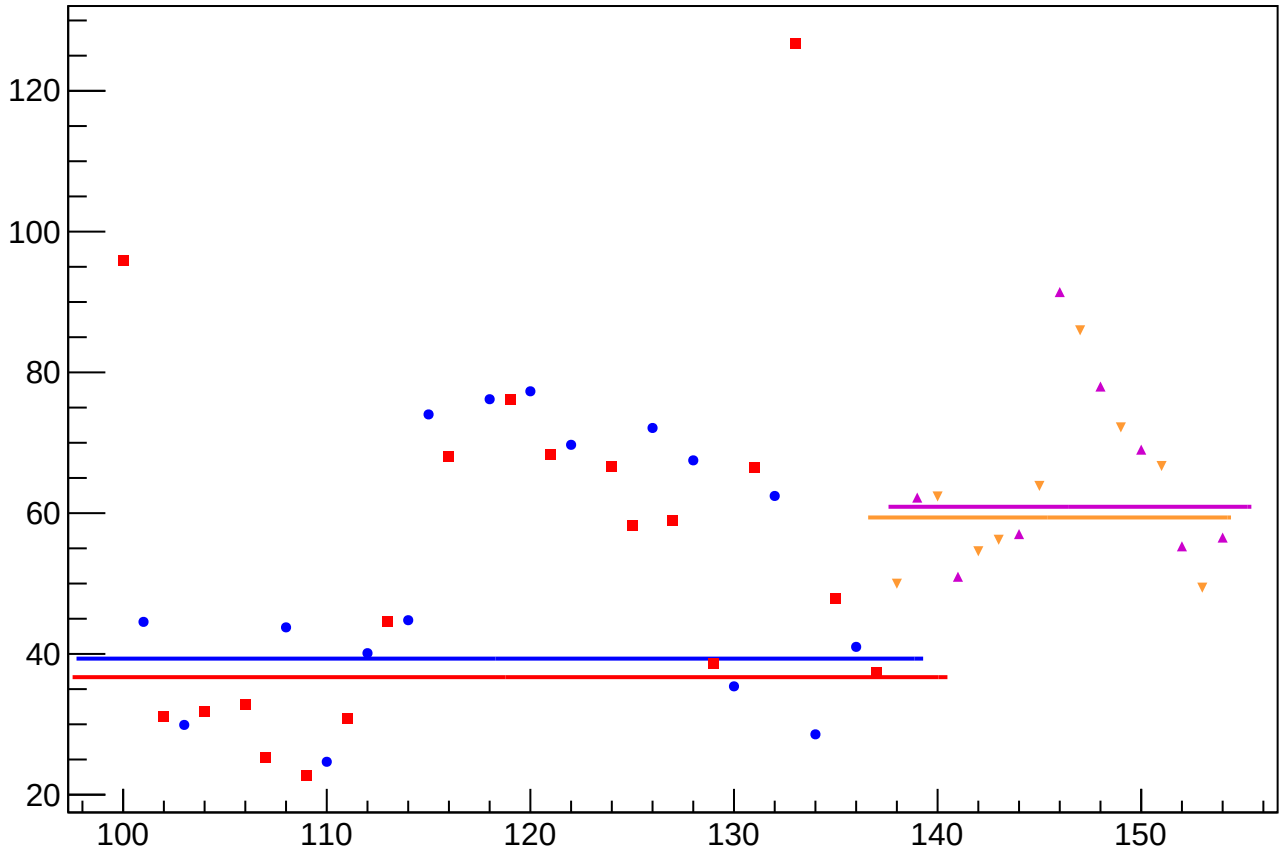
Left: 0.013+/-0.017 χ^2/NDF: 16.1/16

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.013 χ^2/NDF:31.9/23

Out: -0.005+/-0.013 χ^2/NDF:31.0/27

All: 0.016+/-0.009 χ^2/NDF: 68.4/51



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: 60.907+/-0.017 χ^2/NDF:391583.1/7

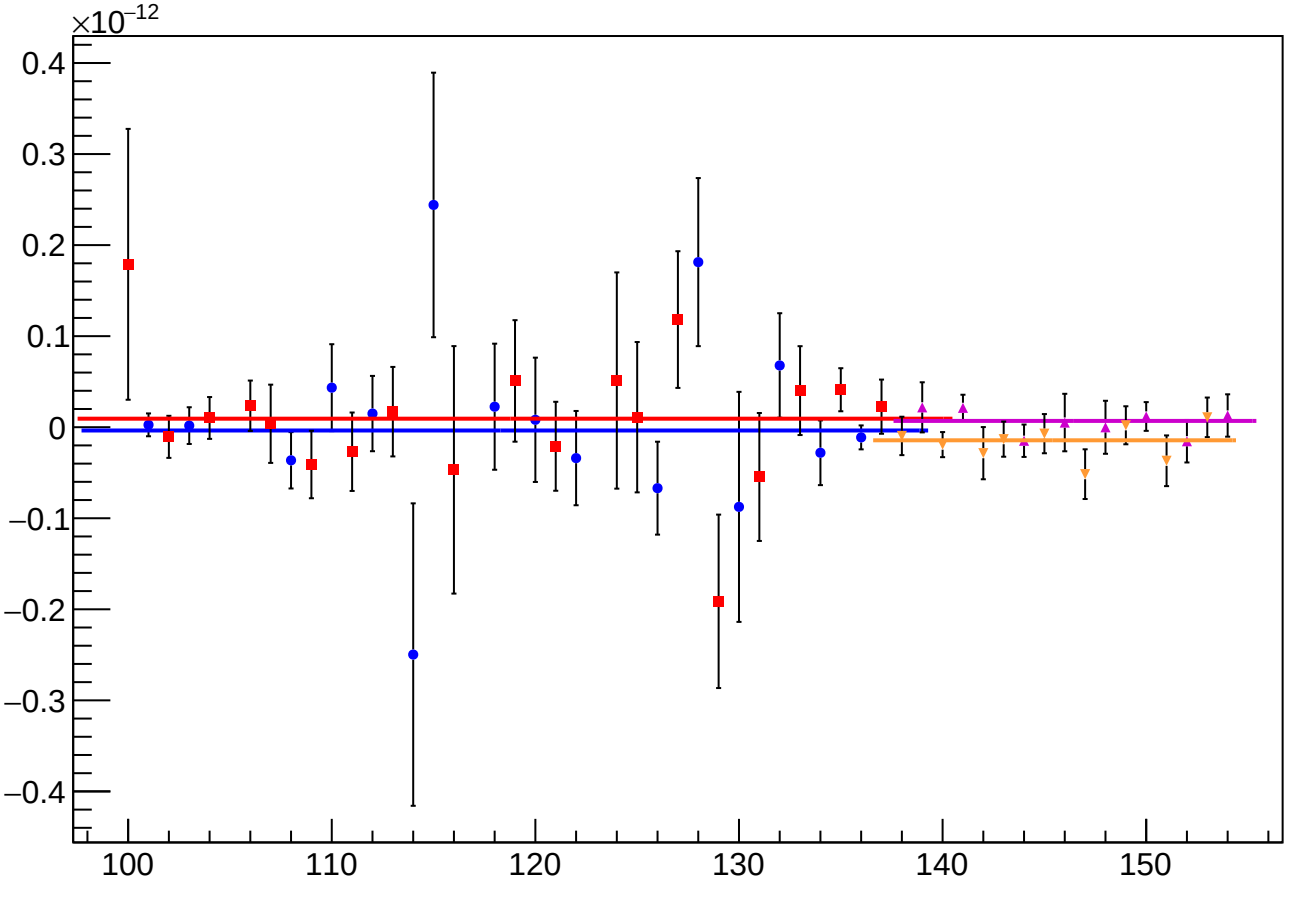
Left: 60.132+/-0.012 χ^2/NDF: 761595.9/16

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.120+/-0.009 χ^2/NDF:3098815.5/23

Out: 43.472+/-0.009 χ^2/NDF:3808370.4/27

All: 44.734+/-0.006 χ^2/NDF: 6948931.0/51



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:3.9/7

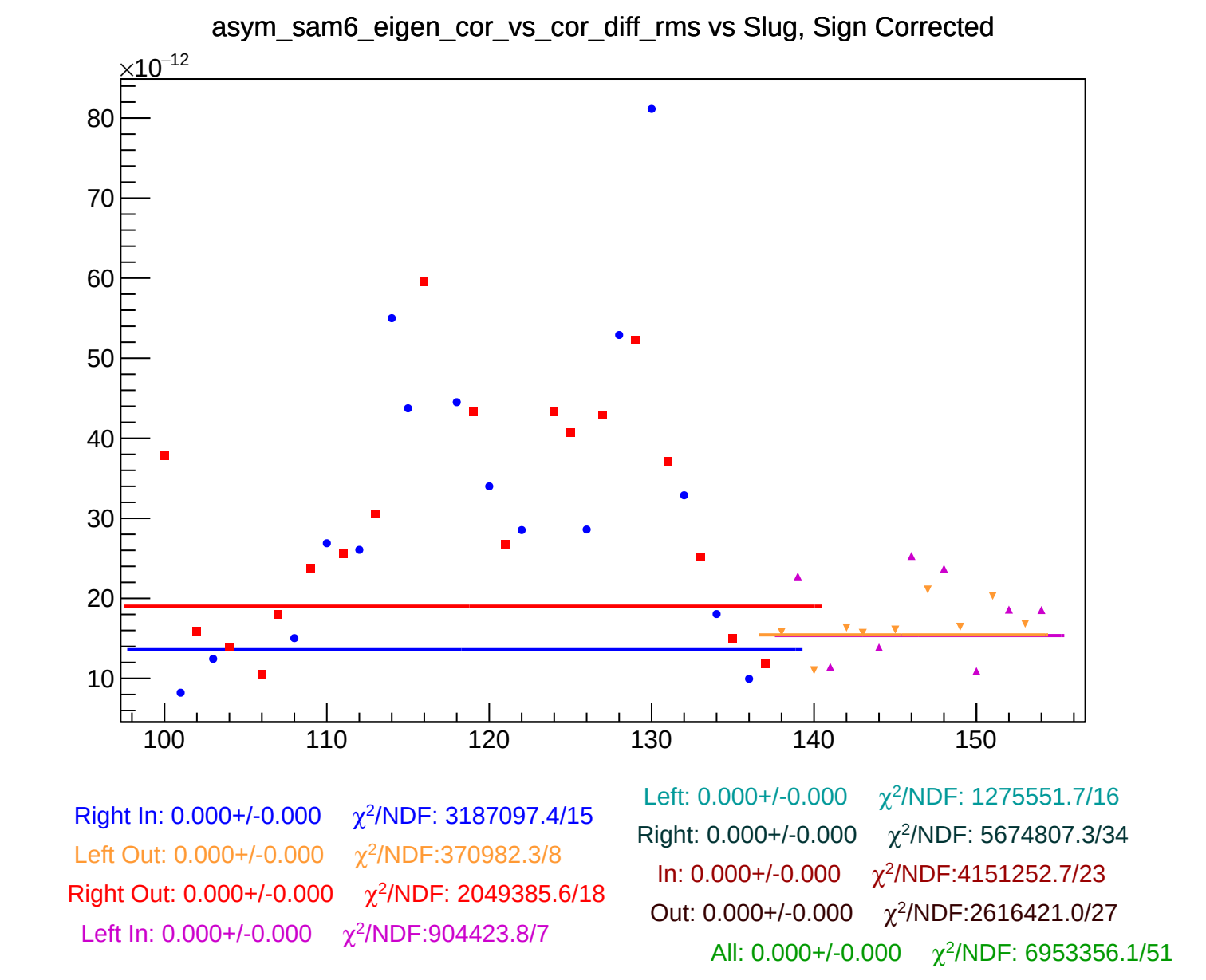
Left: -0.000+/-0.000 χ^2/NDF: 13.4/16

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

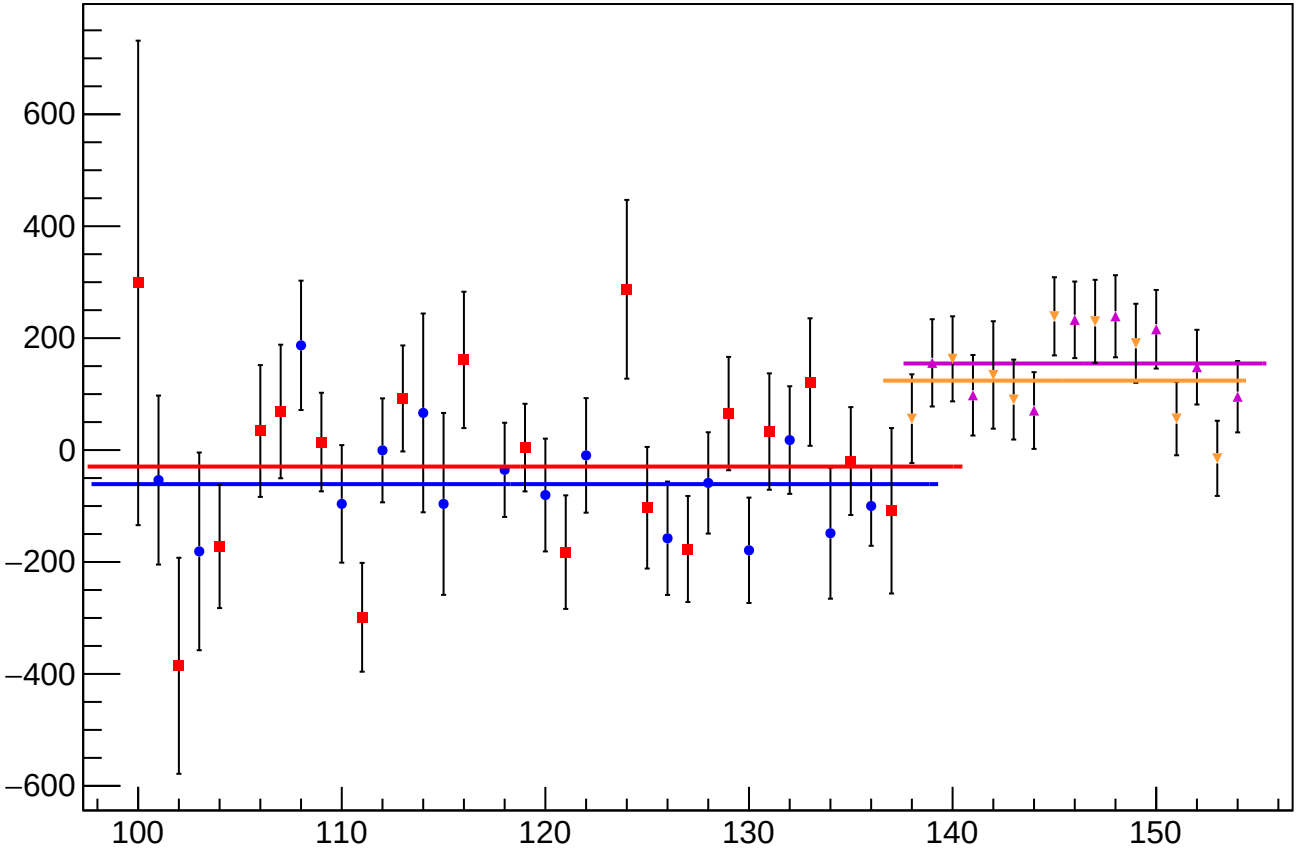
In: 0.000+/-0.000 χ^2/NDF:21.6/23

Out: -0.000+/-0.000 χ^2/NDF:25.1/27

All: -0.000+/-0.000 χ^2/NDF: 47.6/51


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:904423.8/7
Left: 0.000+/-0.000 χ²/NDF: 1275551.7/16
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4151252.7/23
Out: 0.000+/-0.000 χ²/NDF:2616421.0/27
All: 0.000+/-0.000 χ²/NDF: 6953356.1/51

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: 154.712+/-24.672 χ^2/NDF:6.4/7

Left: 139.271+/-17.353 χ^2/NDF: 19.4/16

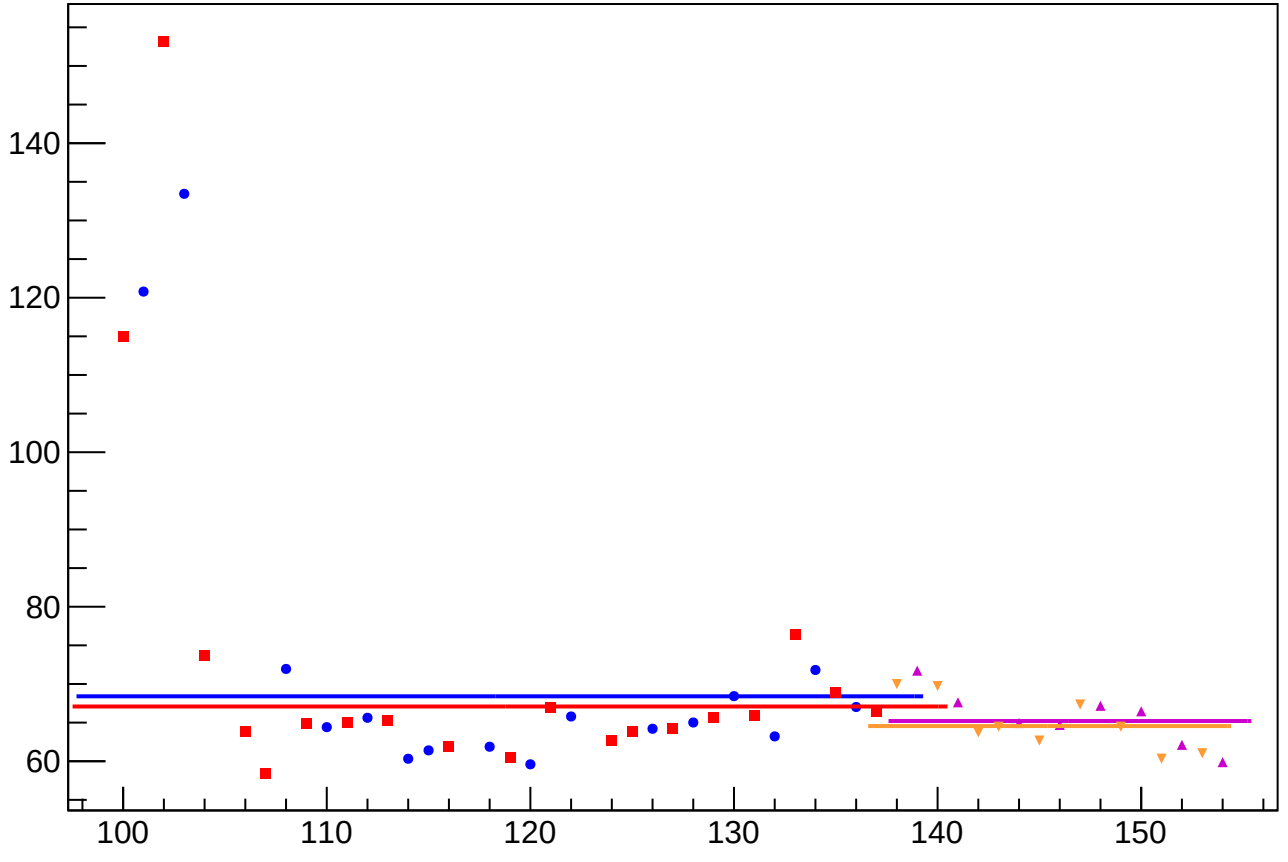
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 52.799+/-17.914 χ^2/NDF:53.0/23

Out: 49.503+/-17.502 χ^2/NDF:62.7/27

All: 51.113+/-12.519 χ^2/NDF: 115.7/51

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: 65.206+/-0.017 χ^2/NDF:36674.1/7

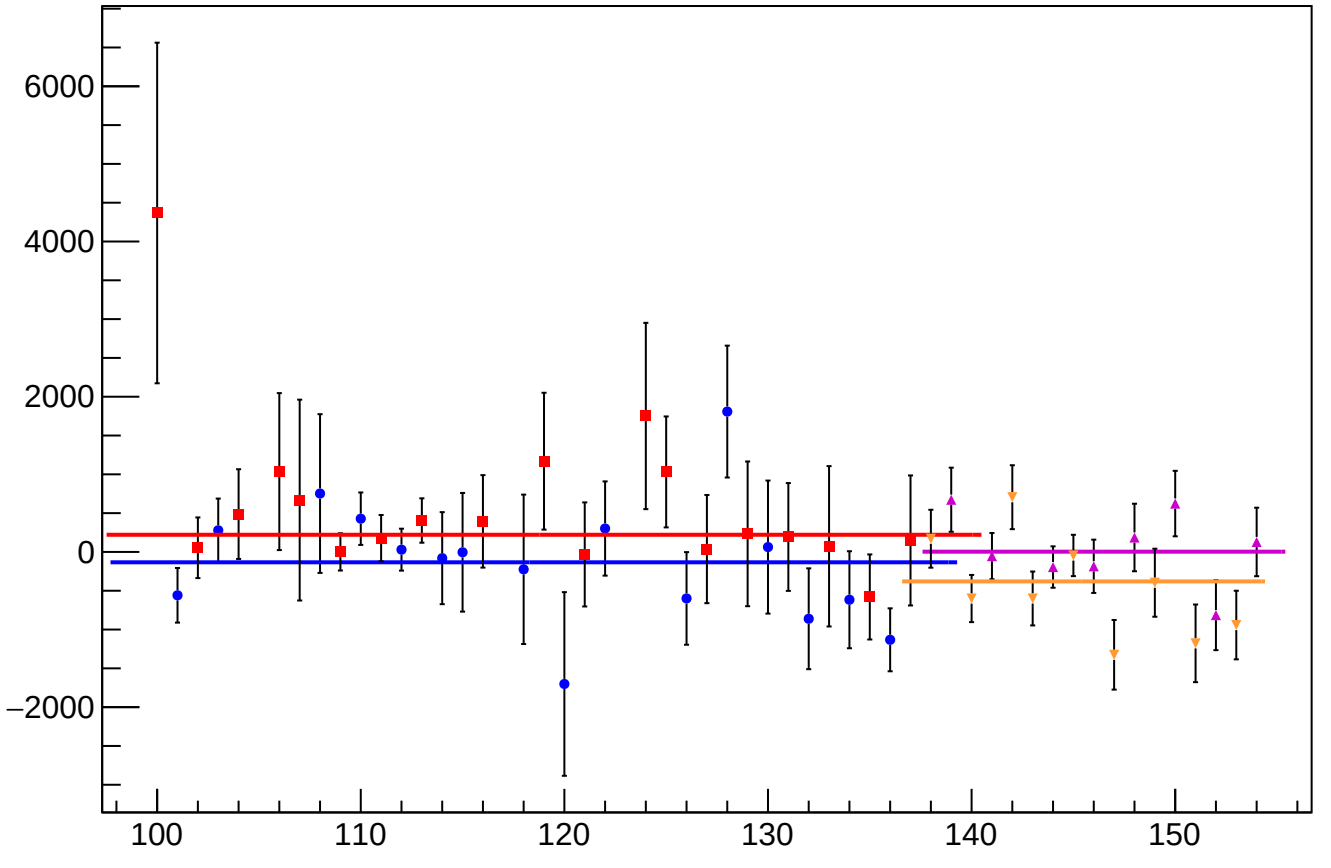
Left: 64.876+/-0.012 χ^2/NDF: 74240.4/16

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 66.718+/-0.013 χ^2/NDF:622112.8/23

Out: 65.784+/-0.012 χ^2/NDF:529130.5/27

All: 66.240+/-0.009 χ^2/NDF: 1154019.9/51



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: 3.259+/-128.470 χ^2/NDF:9.2/7

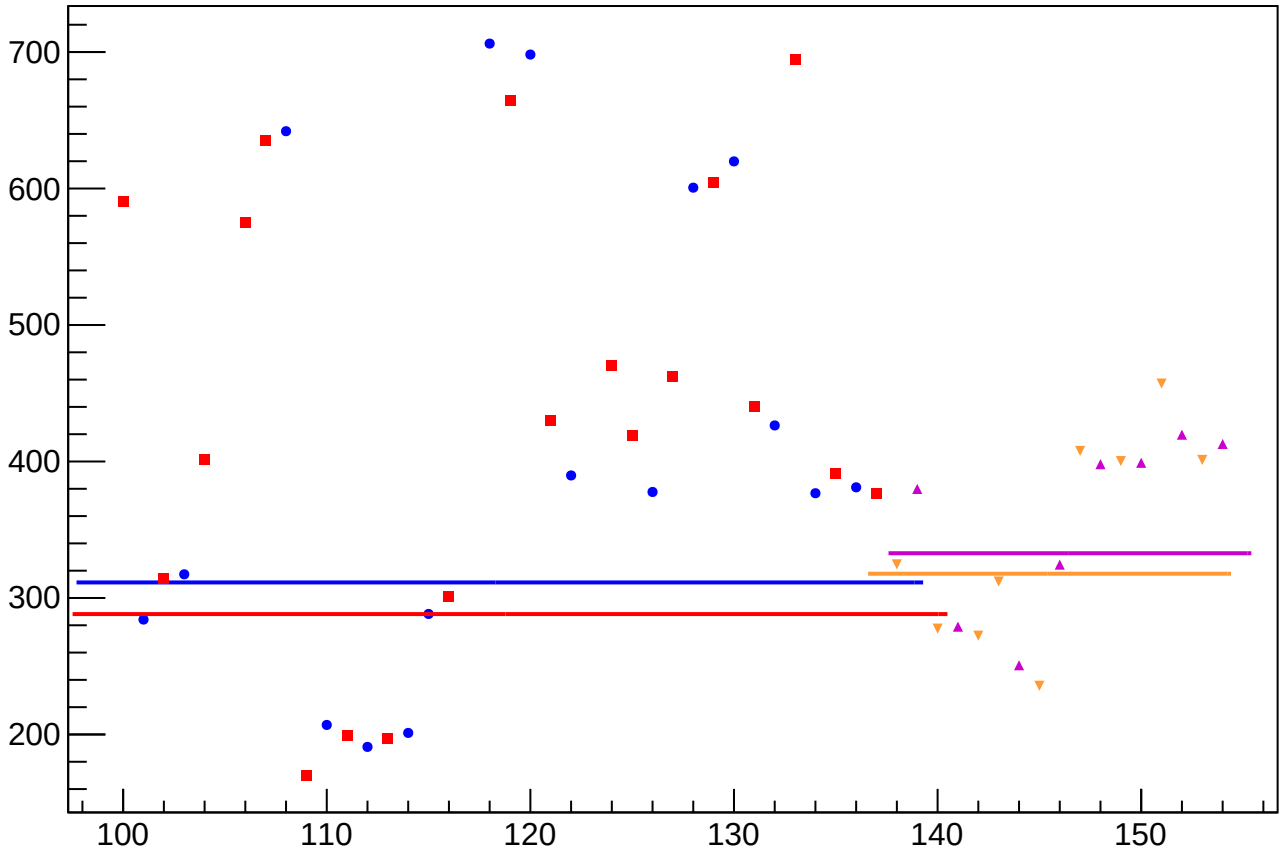
Left: -195.807+/-89.023 χ^2/NDF: 34.0/16

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -66.546+/-89.921 χ^2/NDF:32.2/23

Out: -65.014+/-85.226 χ^2/NDF:45.2/27

All: -65.739+/-61.857 χ^2/NDF: 77.4/51



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: 332.791+/-0.091 χ^2/NDF:515860.2/7

Left: 324.987+/-0.063 χ^2/NDF: 1158213.1/16

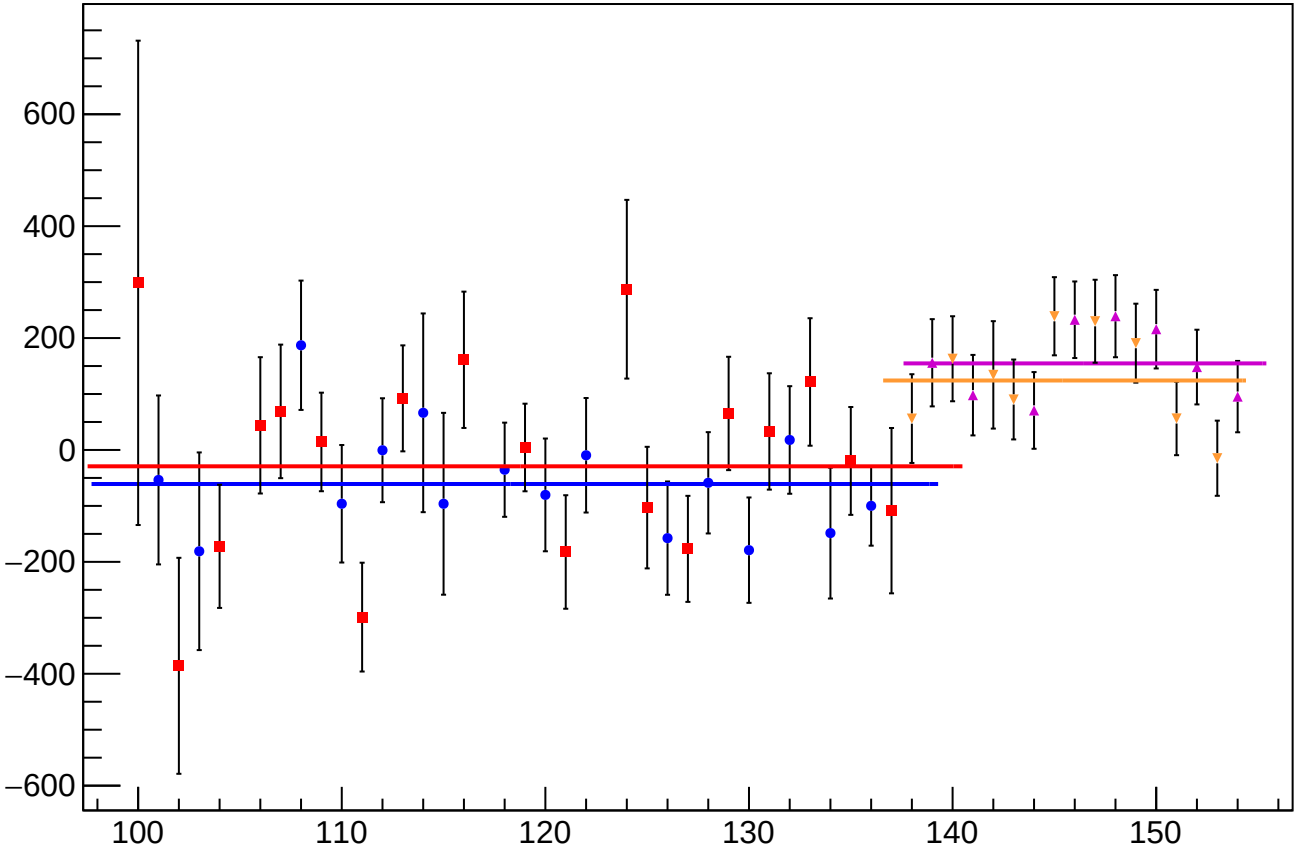
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 321.873+/-0.064 χ^2/NDF:2667977.8/23

Out: 302.294+/-0.060 χ^2/NDF:3403603.6/27

All: 311.559+/-0.044 χ^2/NDF: 6121528.4/51

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: 154.712+/-24.672 χ^2/NDF:6.4/7

Left: 139.271+/-17.353 χ^2/NDF: 19.4/16

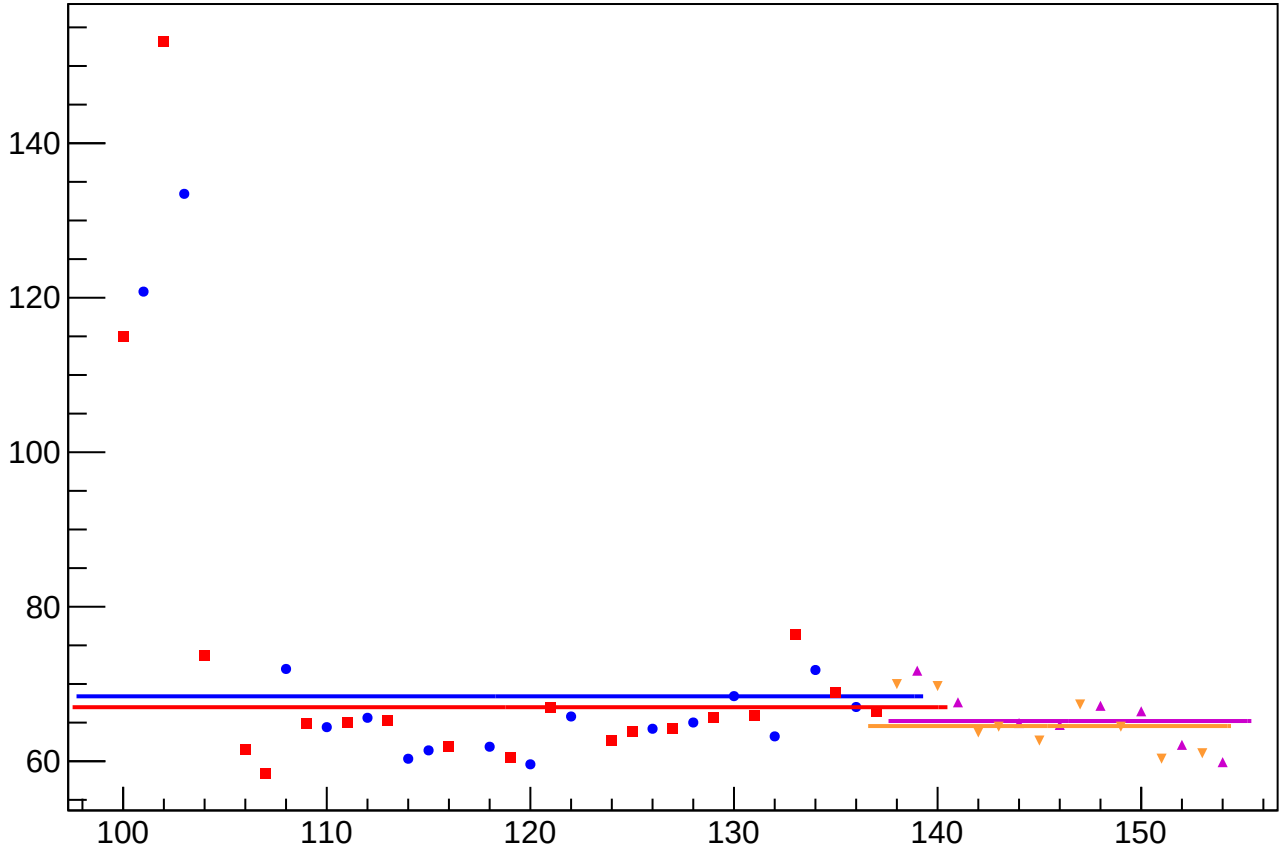
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 52.798+/-17.914 χ^2/NDF:53.0/23

Out: 49.731+/-17.514 χ^2/NDF:62.6/27

All: 51.230+/-12.524 χ^2/NDF: 115.7/51

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: 65.206+/-0.017 χ^2/NDF:36674.1/7

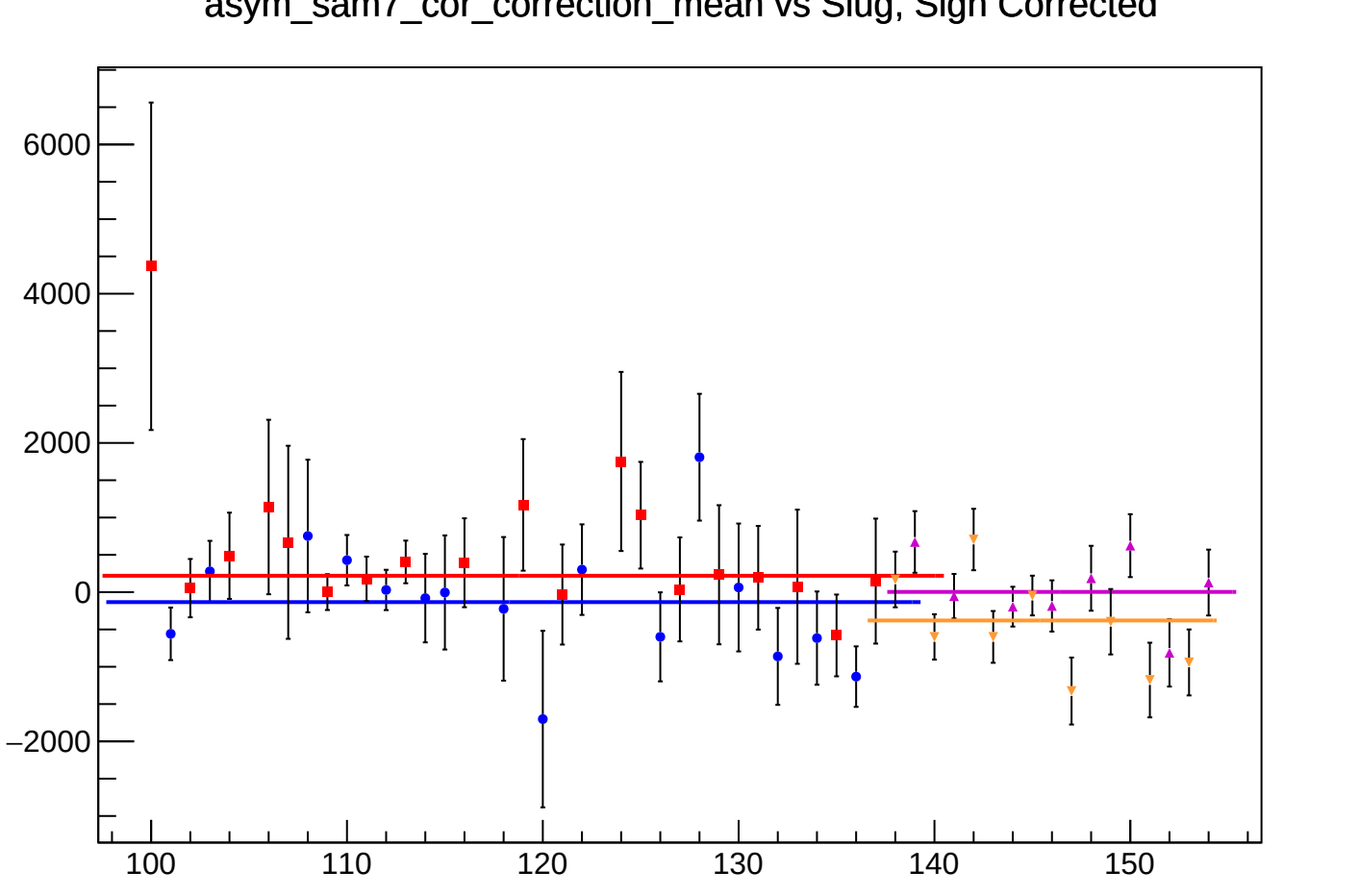
Left: 64.876+/-0.012 χ^2/NDF: 74240.4/16

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.718+/-0.013 χ^2/NDF:622113.2/23

Out: 65.738+/-0.012 χ^2/NDF:531049.2/27

All: 66.217+/-0.009 χ^2/NDF: 1156217.9/51



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: 3.255+/-128.470 χ^2/NDF:9.2/7

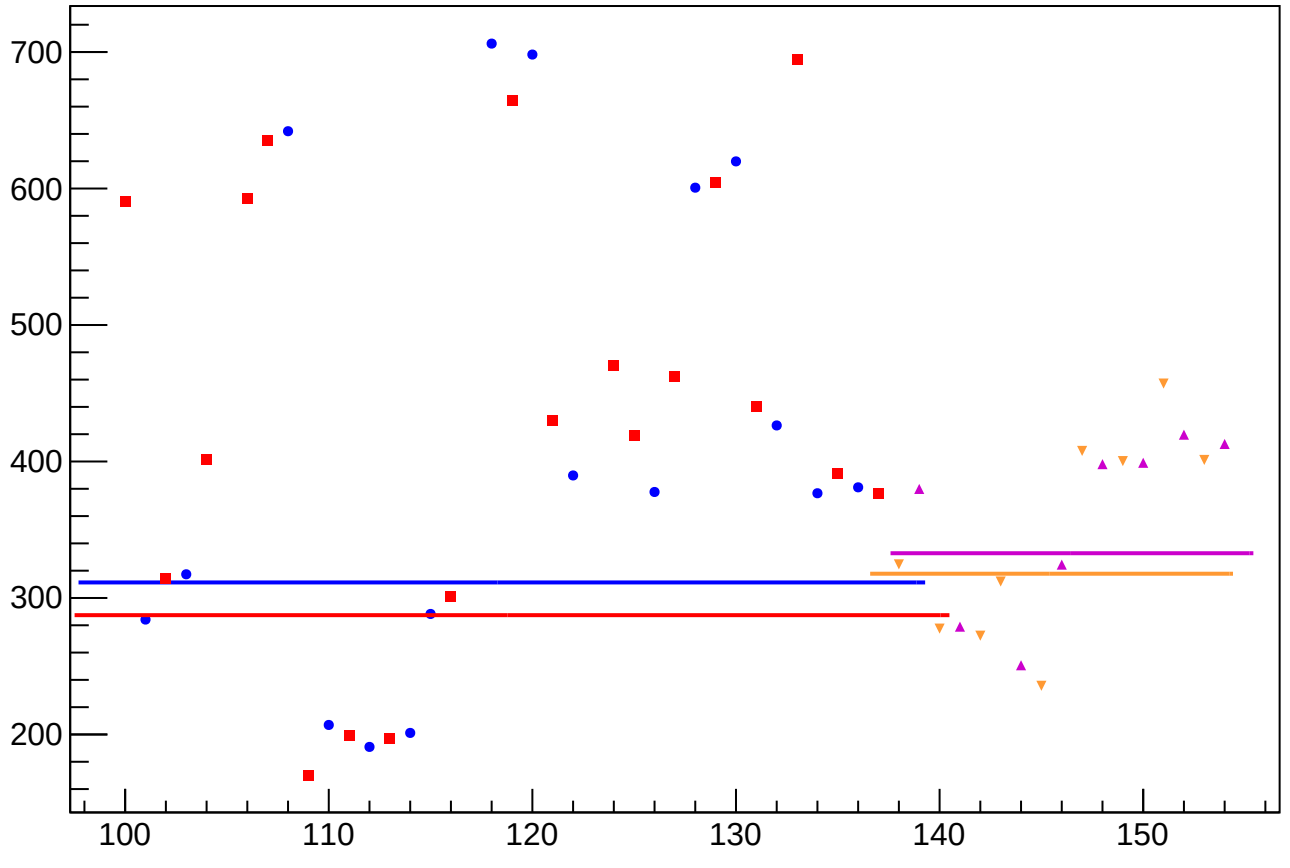
Left: -195.807+/-89.023 χ^2/NDF: 34.0/16

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -66.546+/-89.921 χ^2/NDF:32.2/23

Out: -66.433+/-85.304 χ^2/NDF:45.1/27

All: -66.486+/-61.887 χ^2/NDF: 77.3/51



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: 332.791+/-0.091 χ^2/NDF:515859.2/7

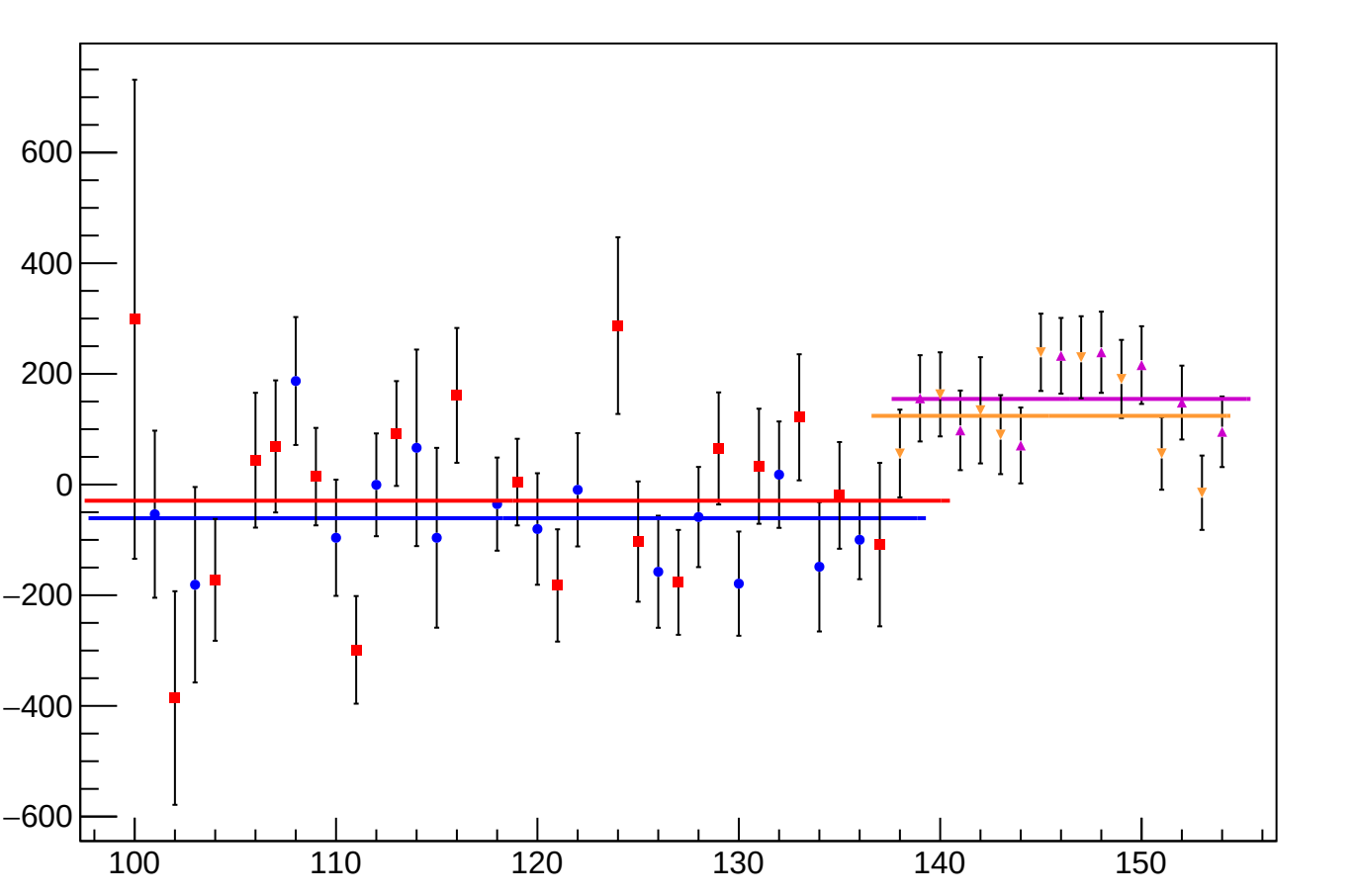
Left: 324.987+/-0.063 χ^2/NDF: 1158216.7/16

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 321.874+/-0.064 χ^2/NDF:2667973.8/23

Out: 301.906+/-0.060 χ^2/NDF:3381637.4/27

All: 311.364+/-0.044 χ^2/NDF: 6101518.4/51



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: 154.712+/-24.672 χ^2/NDF:6.4/7

Left: 139.271+/-17.353 χ^2/NDF: 19.4/16

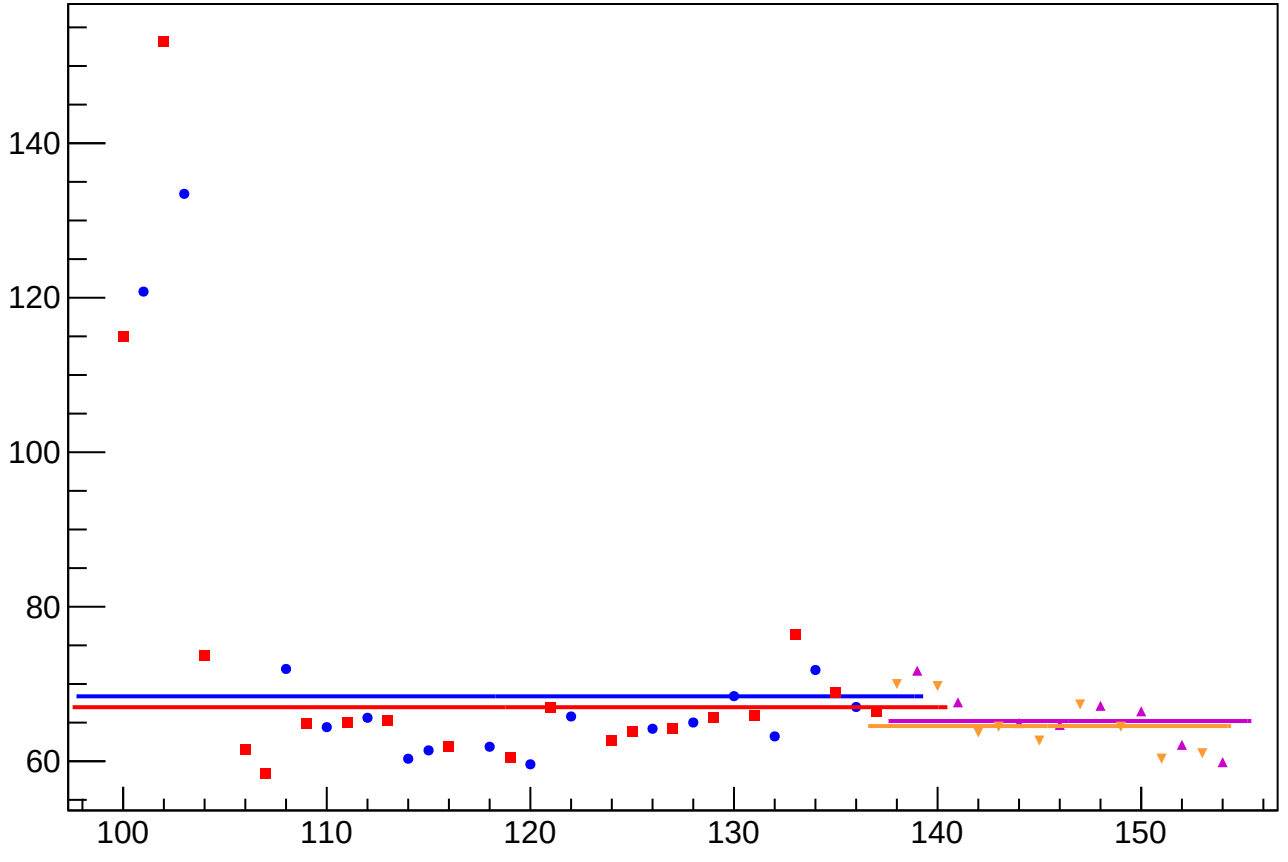
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 52.798+/-17.914 χ^2/NDF:53.0/23

Out: 49.731+/-17.514 χ^2/NDF:62.6/27

All: 51.230+/-12.524 χ^2/NDF: 115.7/51

eigen_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: 65.206+/-0.017 χ^2/NDF:36674.1/7

Left: 64.876+/-0.012 χ^2/NDF: 74240.4/16

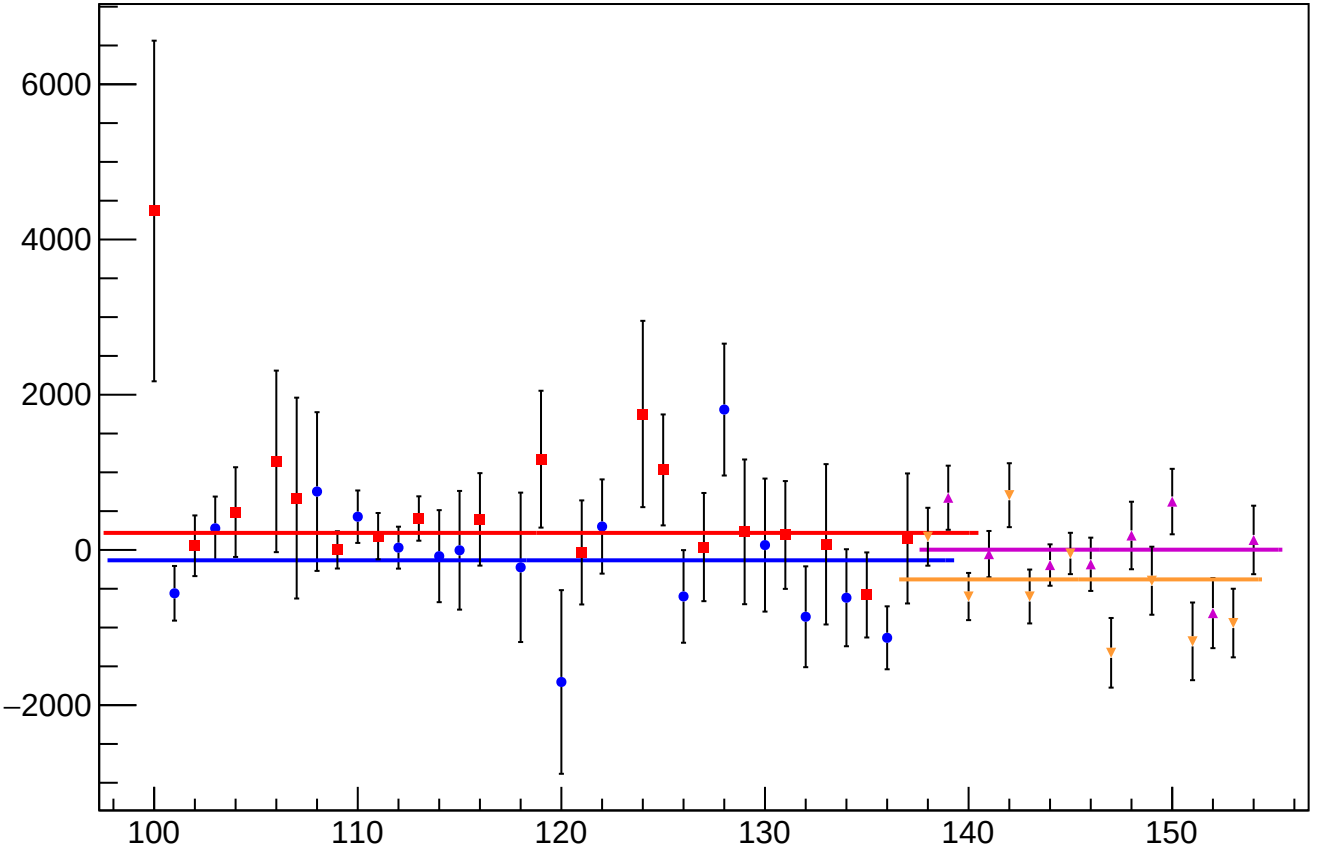
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.718+/-0.013 χ^2/NDF:622113.2/23

Out: 65.738+/-0.012 χ^2/NDF:531049.2/27

All: 66.217+/-0.009 χ^2/NDF: 1156217.9/51

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 3.255+/-128.470 χ^2/NDF:9.2/7

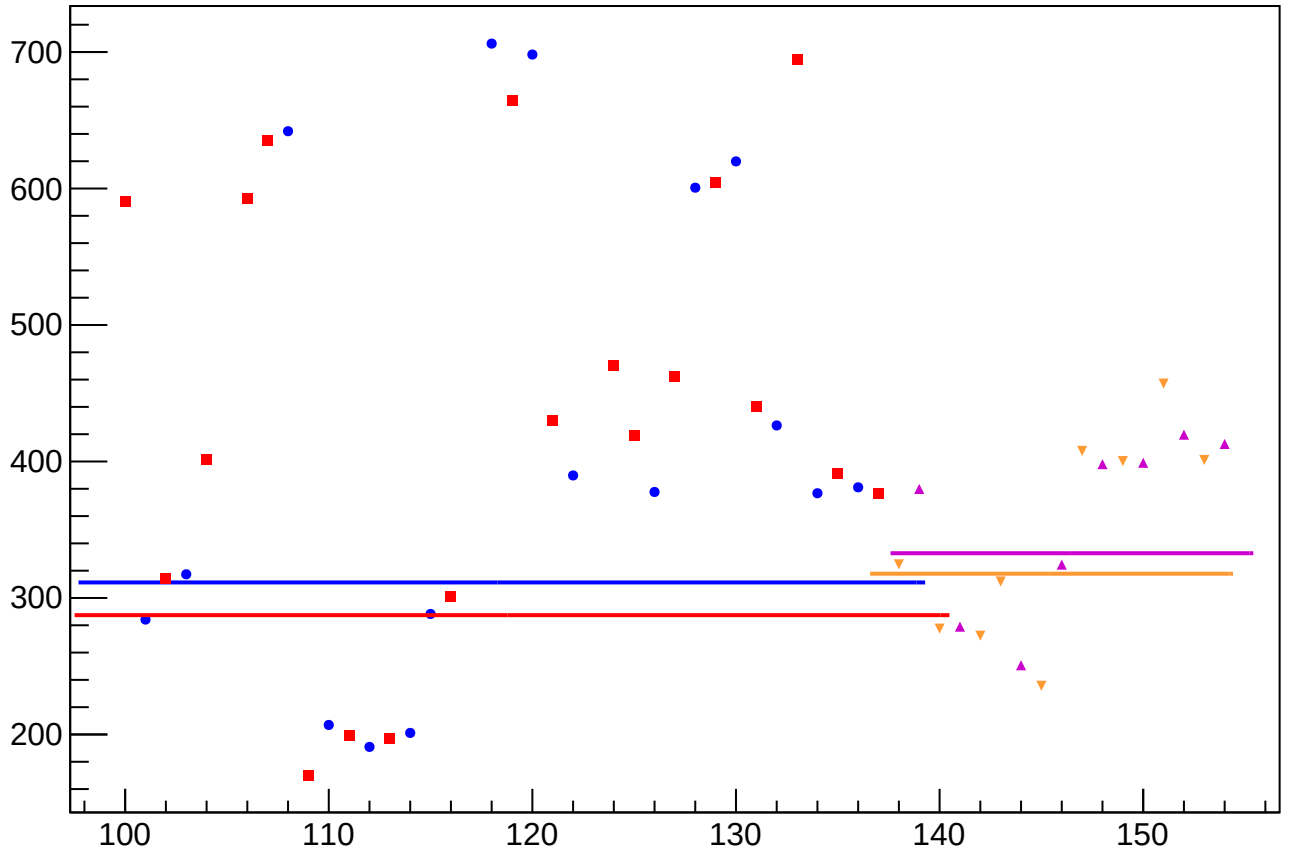
Left: -195.807+/-89.023 χ^2/NDF: 34.0/16

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -66.546+/-89.921 χ^2/NDF:32.2/23

Out: -66.433+/-85.304 χ^2/NDF:45.1/27

All: -66.486+/-61.887 χ^2/NDF: 77.3/51



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: 332.791+/-0.091 χ^2/NDF:515859.2/7

Left: 324.987+/-0.063 χ^2/NDF: 1158216.7/16

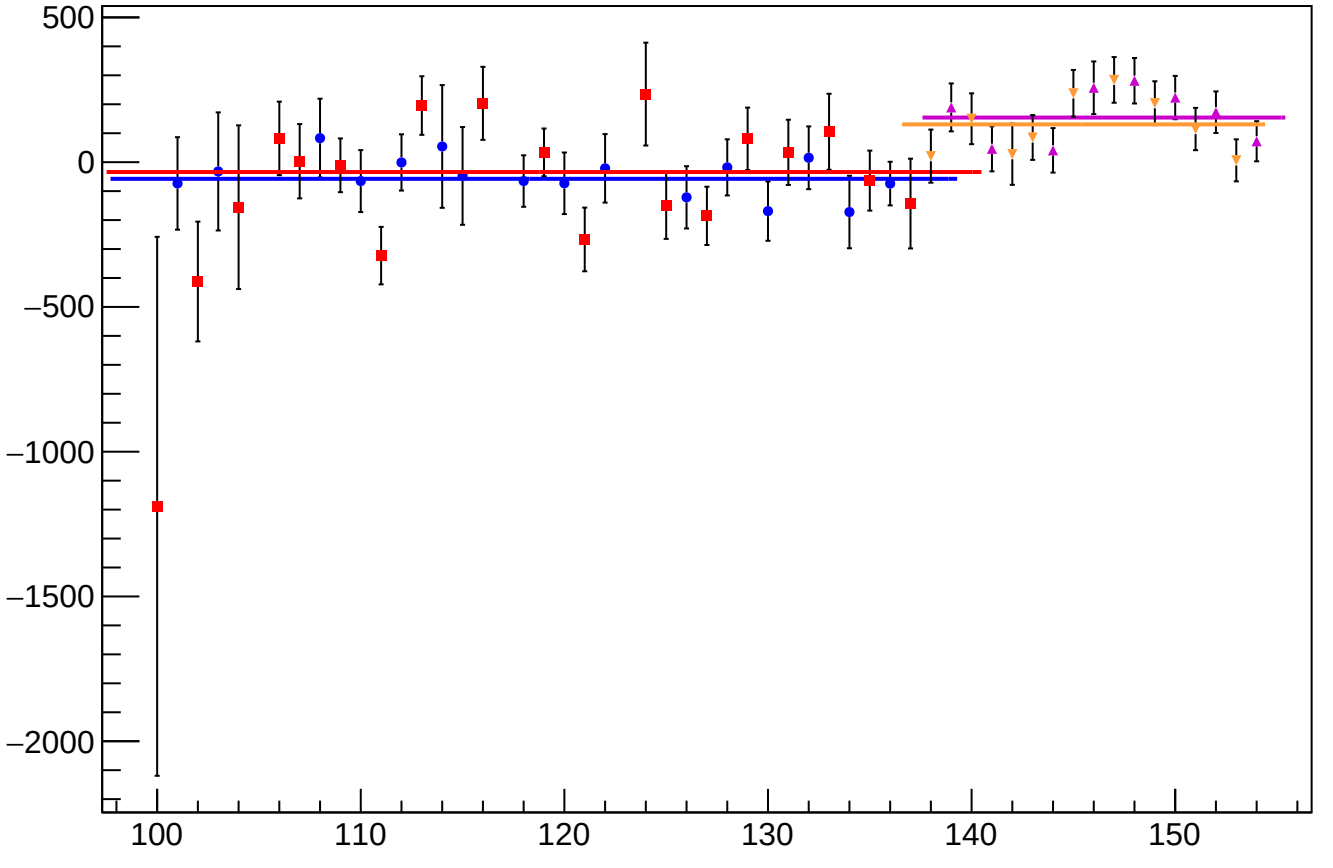
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 321.874+/-0.064 χ^2/NDF:2667973.8/23

Out: 301.906+/-0.060 χ^2/NDF:3381637.4/27

All: 311.364+/-0.044 χ^2/NDF: 6101518.4/51

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: 154.111+/-27.282 χ^2/NDF:10.5/7

Left: 142.205+/-19.195 χ^2/NDF: 23.1/16

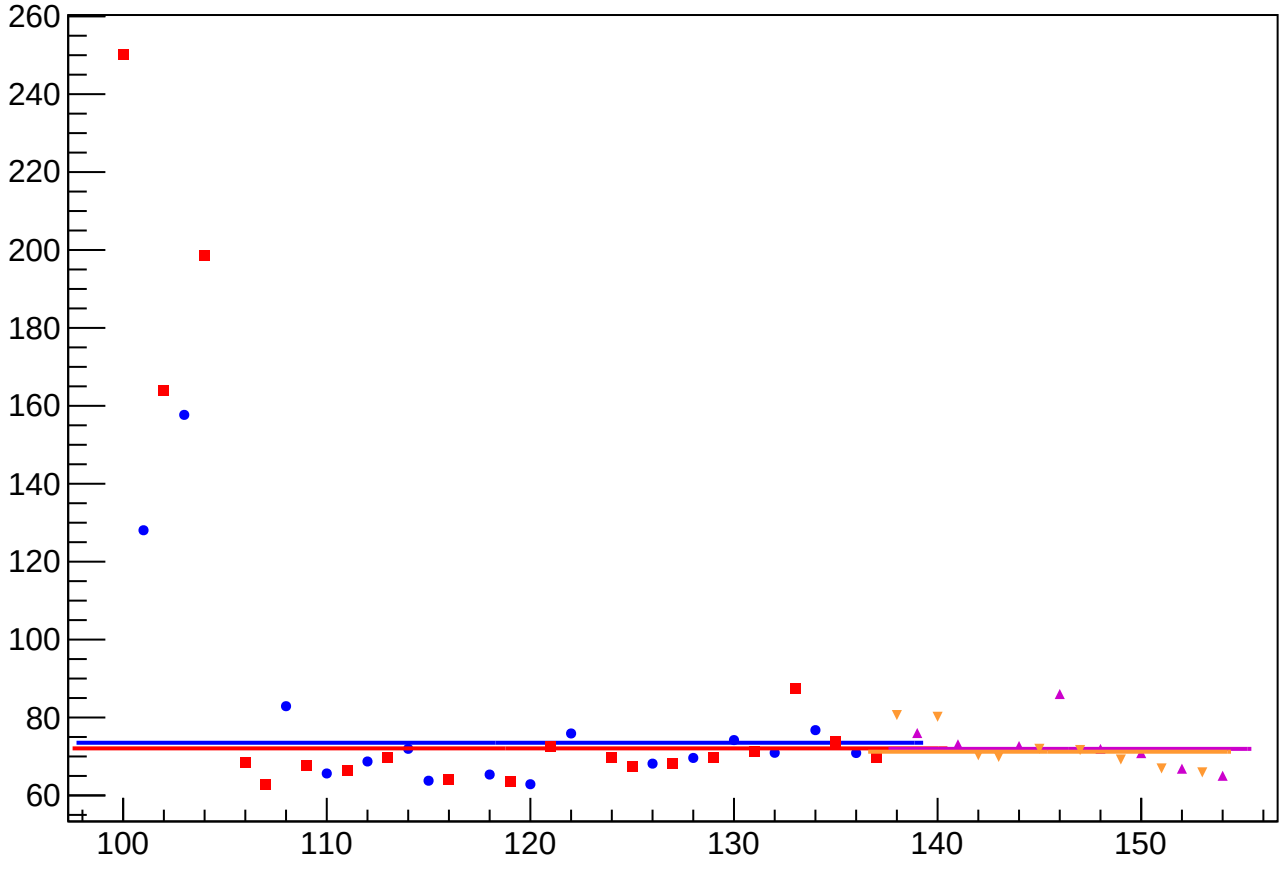
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 51.364+/-19.570 χ^2/NDF:44.6/23

Out: 49.424+/-19.235 χ^2/NDF:67.7/27

All: 50.377+/-13.718 χ^2/NDF: 112.3/51

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: 71.947+/-0.019 χ^2/NDF:83653.8/7

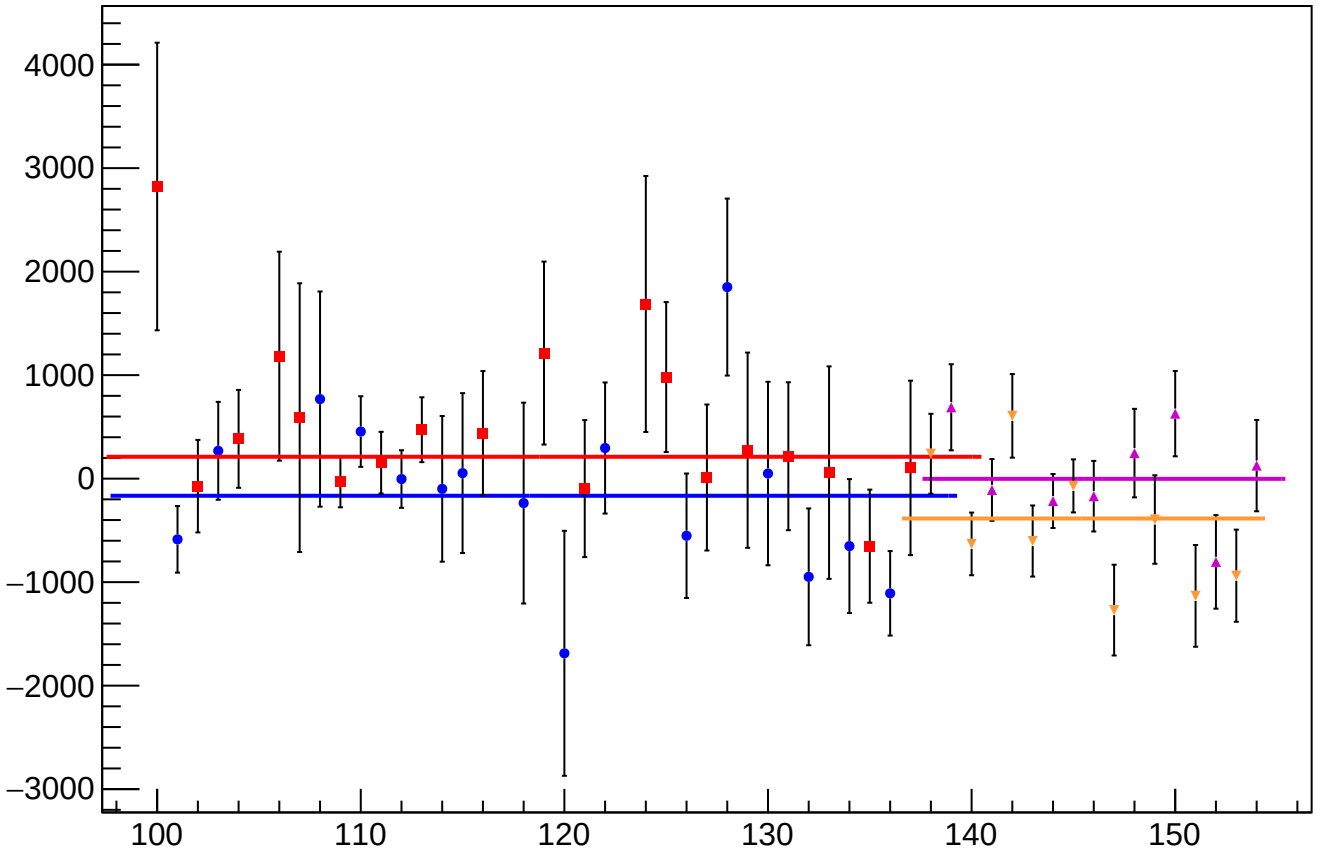
Left: 71.579+/-0.014 χ^2/NDF: 146228.5/16

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 72.710+/-0.014 χ^2/NDF:743723.3/23

Out: 71.640+/-0.014 χ^2/NDF:1021337.7/27

All: 72.166+/-0.010 χ^2/NDF: 1768105.0/51



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -384.973+/-121.883 χ^2/NDF:19.2/8

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -1.966+/-127.287 χ^2/NDF:9.7/7

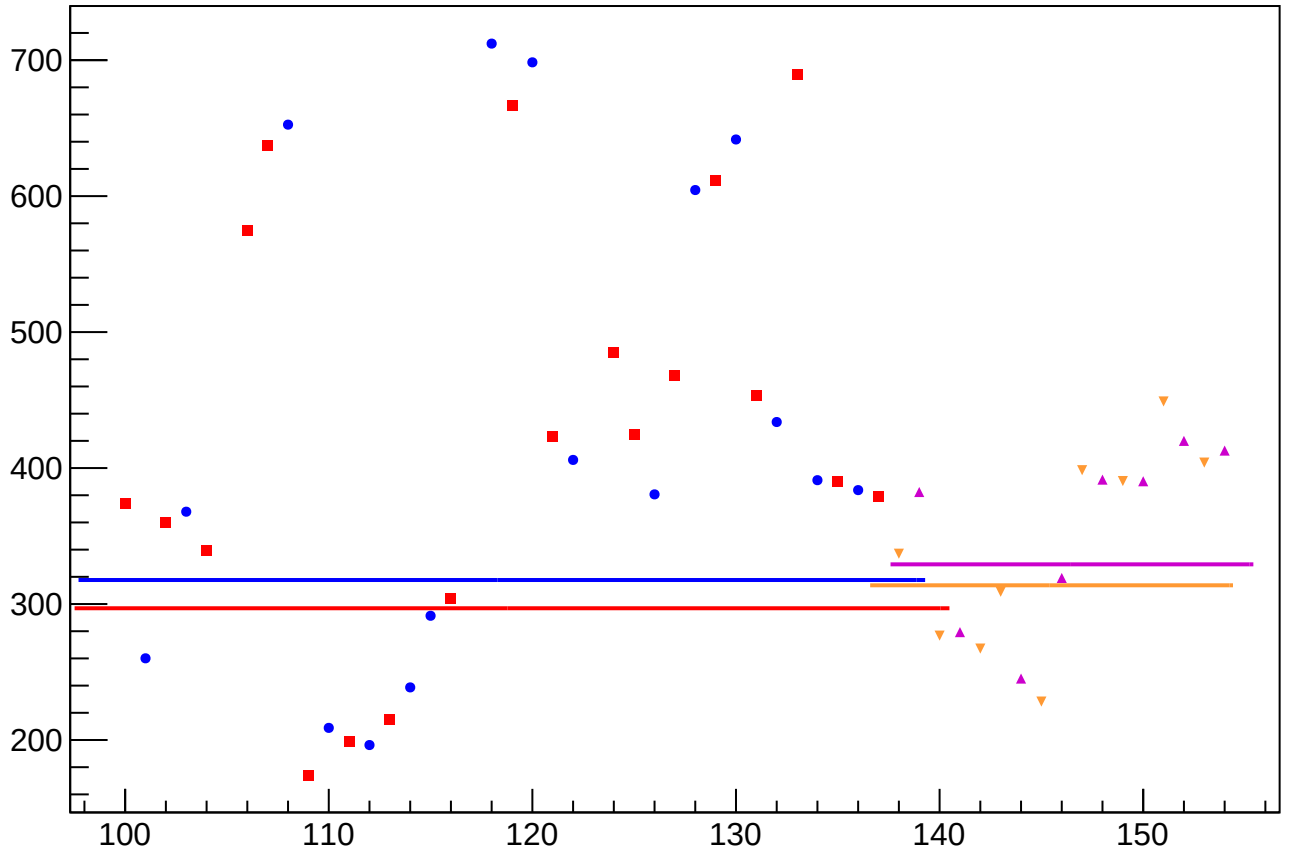
Left: -201.773+/-88.033 χ^2/NDF: 33.6/16

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -82.998+/-90.410 χ^2/NDF:33.2/23

Out: -82.473+/-85.555 χ^2/NDF:44.9/27

All: -82.721+/-62.142 χ^2/NDF: 78.1/51



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: 329.187+/-0.090 χ^2/NDF:536880.2/7

Left: 321.148+/-0.062 χ^2/NDF: 1211304.1/16

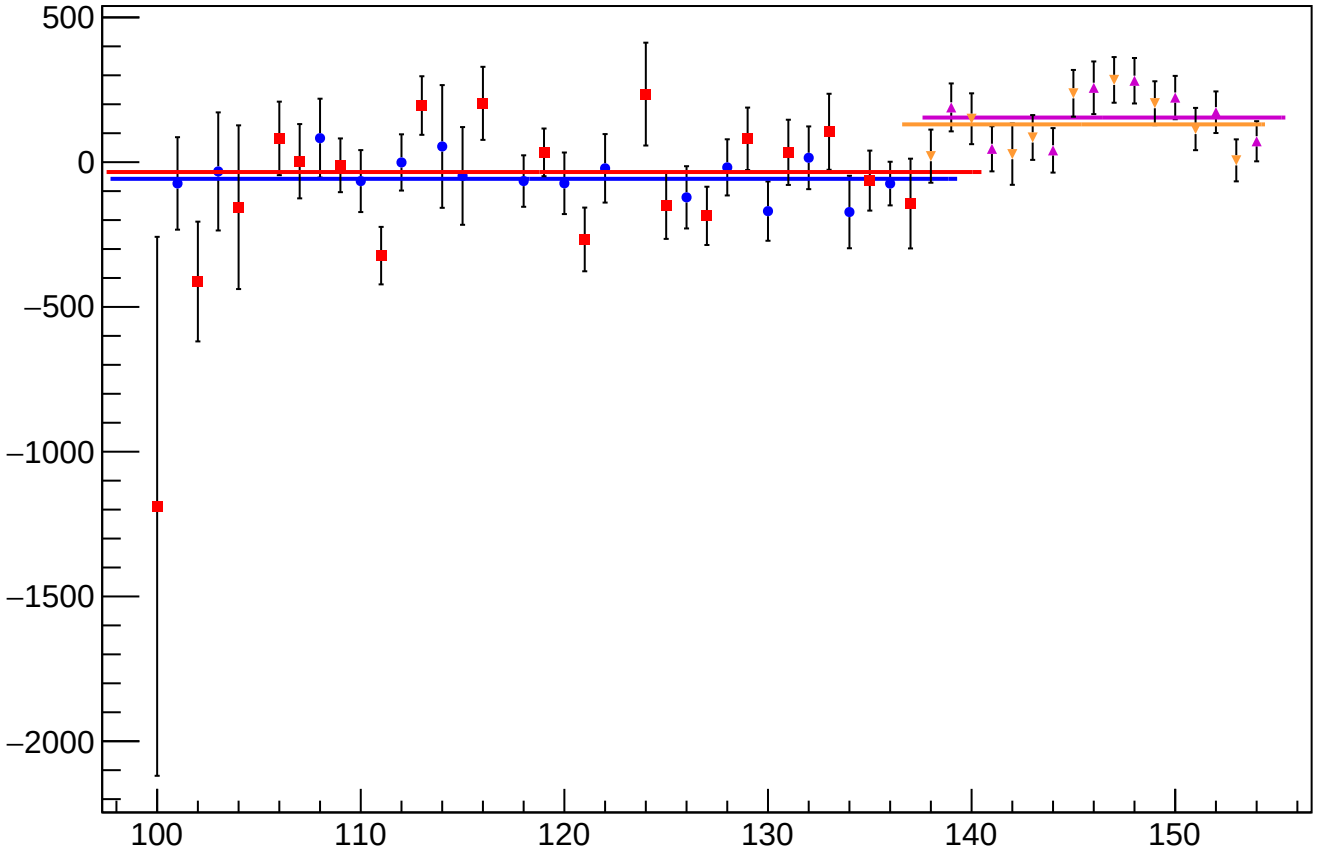
Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 323.477+/-0.064 χ^2/NDF:2681195.2/23

Out: 305.210+/-0.060 χ^2/NDF:3219654.0/27

All: 313.840+/-0.044 χ^2/NDF: 5943925.6/51

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



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: 154.112+/-27.282 χ^2/NDF:10.5/7

Left: 142.205+/-19.195 χ^2/NDF: 23.1/16

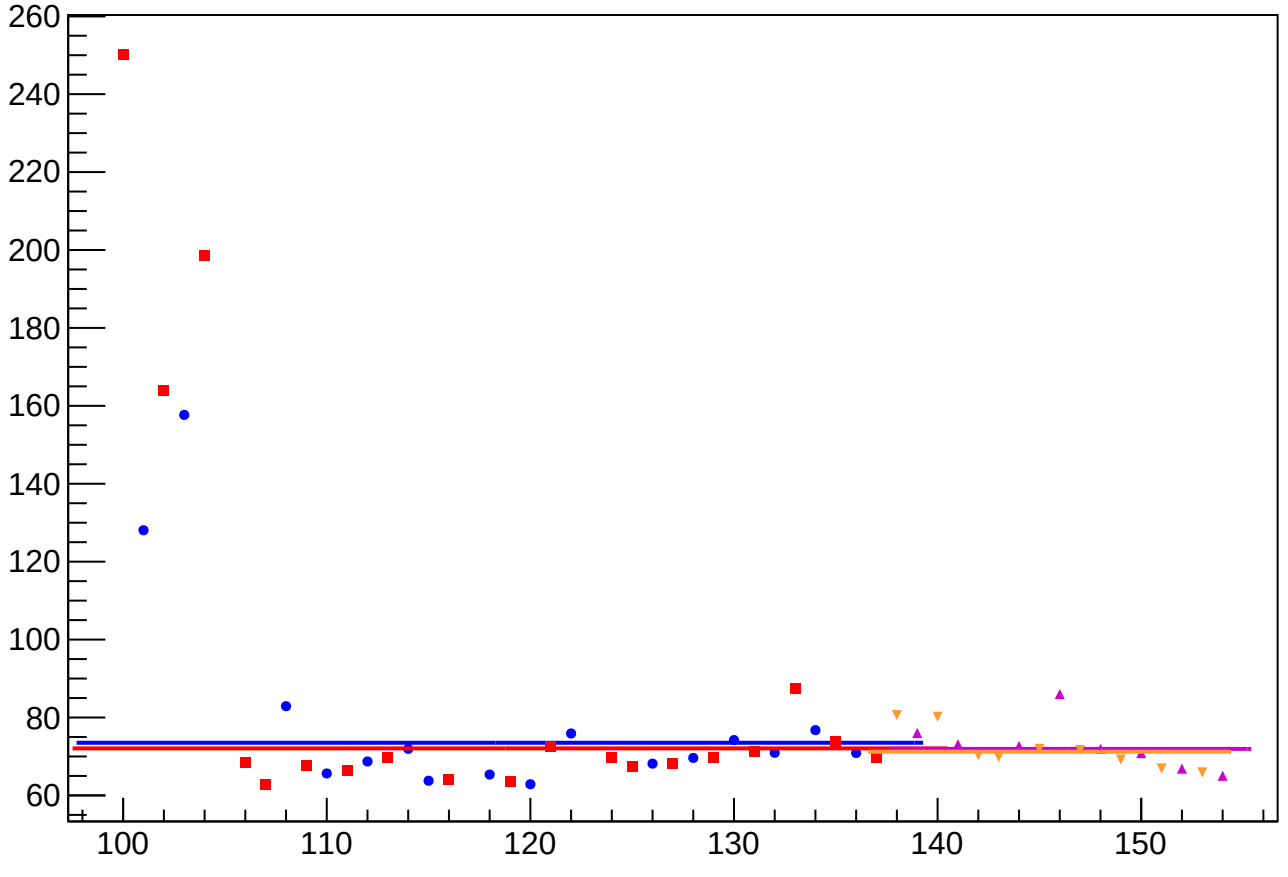
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 51.365+/-19.570 χ^2/NDF:44.6/23

Out: 49.422+/-19.235 χ^2/NDF:67.7/27

All: 50.377+/-13.718 χ^2/NDF: 112.3/51

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: 71.947+/-0.019 χ^2/NDF:83654.0/7

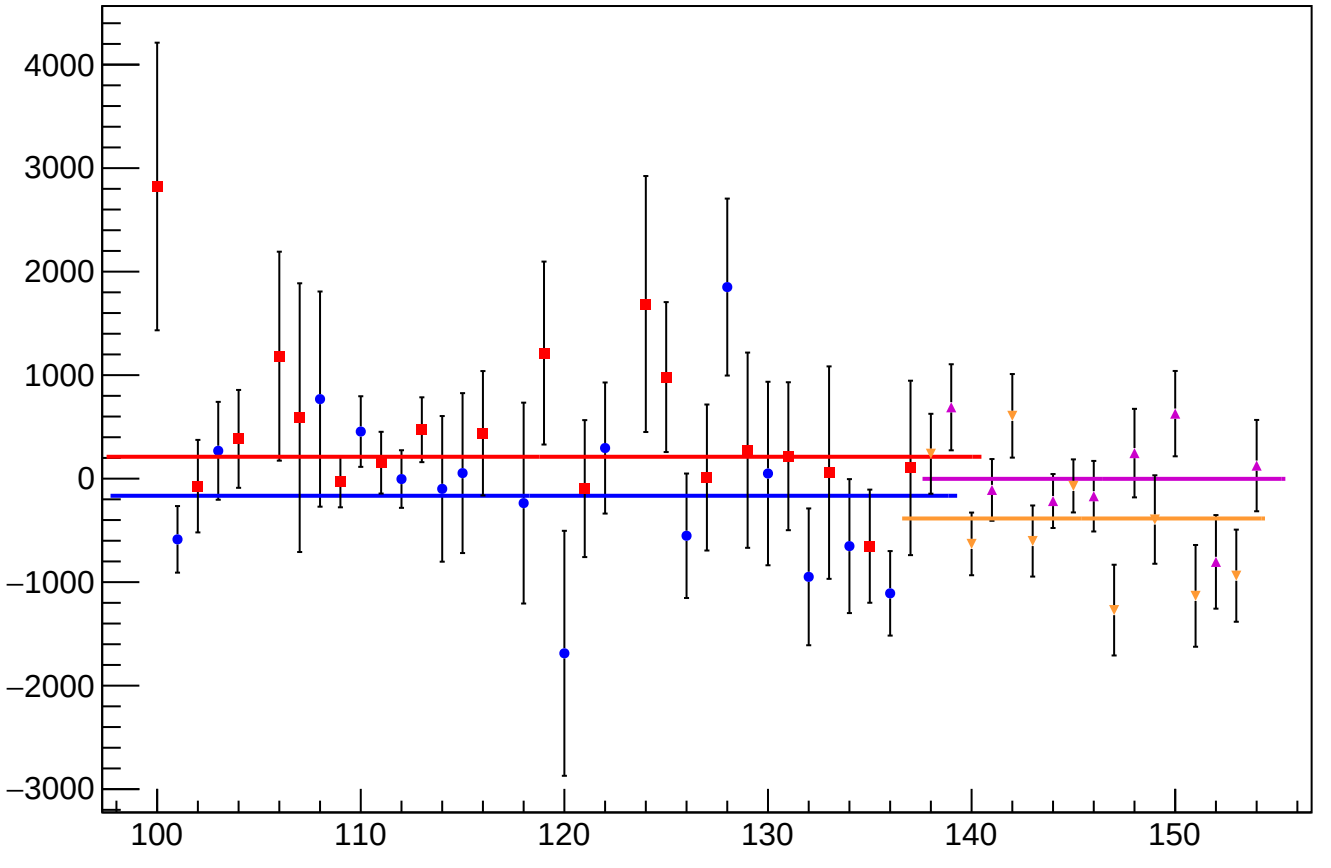
Left: 71.579+/-0.014 χ^2/NDF: 146228.7/16

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 72.710+/-0.014 χ^2/NDF:743724.5/23

Out: 71.640+/-0.014 χ^2/NDF:1021338.7/27

All: 72.166+/-0.010 χ^2/NDF: 1768107.2/51



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: -1.966+/-127.287 χ^2/NDF:9.7/7

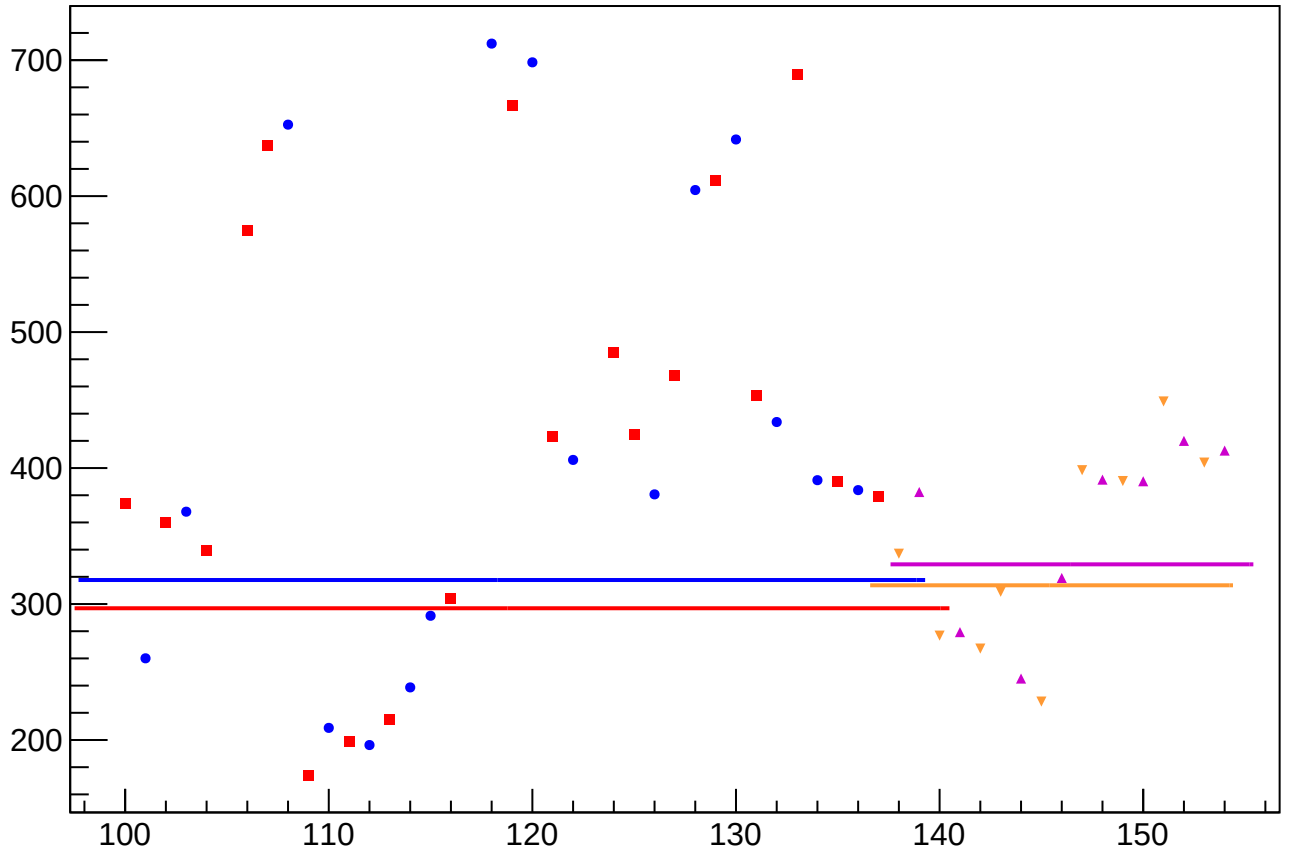
Left: -201.774+/-88.033 χ^2/NDF: 33.6/16

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -82.997+/-90.409 χ^2/NDF:33.2/23

Out: -82.473+/-85.555 χ^2/NDF:44.9/27

All: -82.721+/-62.142 χ^2/NDF: 78.1/51



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: 329.187+/-0.090 χ^2/NDF:536886.2/7

Left: 321.148+/-0.062 χ^2/NDF: 1211320.0/16

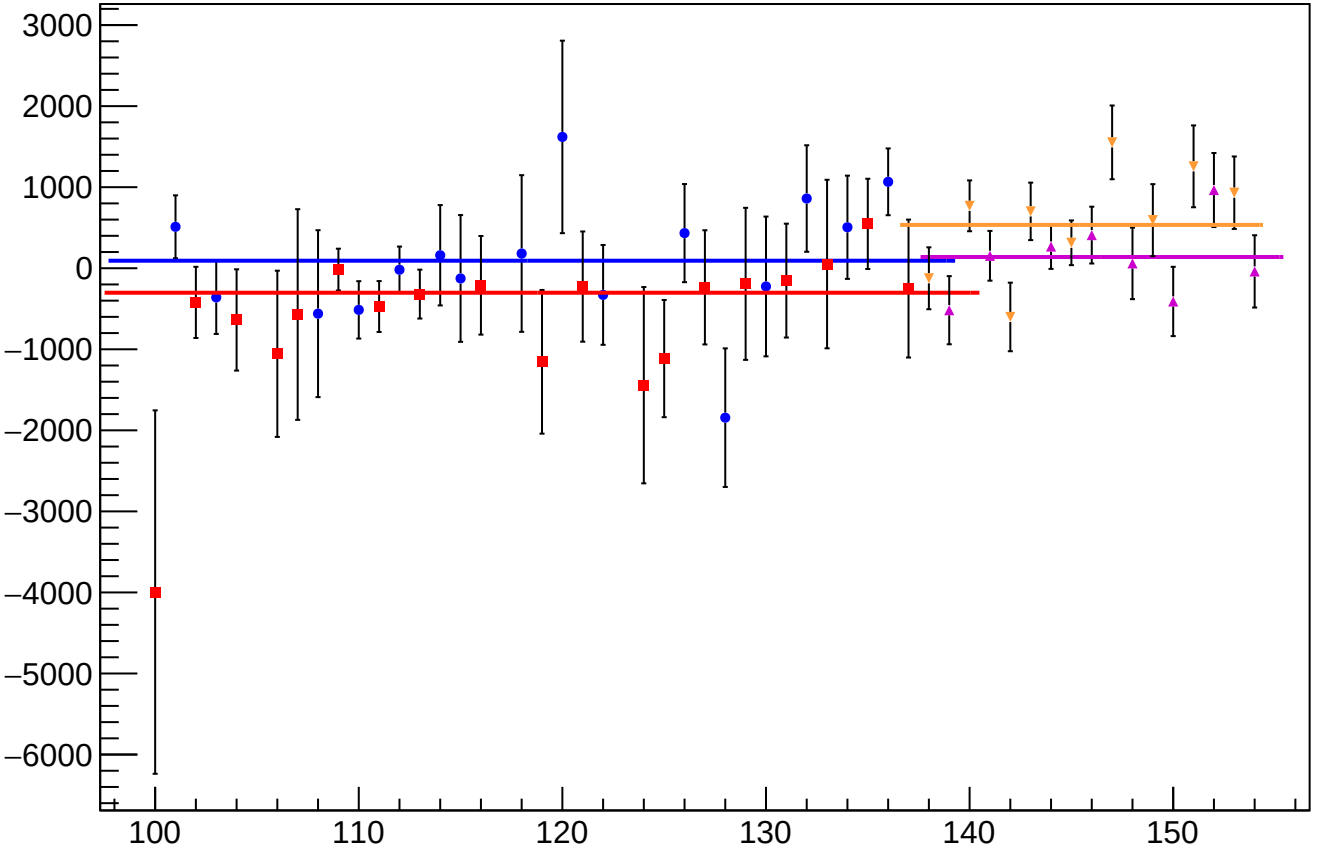
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 323.476+/-0.064 χ^2/NDF:2681236.0/23

Out: 305.209+/-0.060 χ^2/NDF:3219676.8/27

All: 313.839+/-0.044 χ^2/NDF: 5943988.0/51

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: 138.657+/-131.334 χ^2/NDF:8.4/7

Left: 344.119+/-91.096 χ^2/NDF: 32.5/16

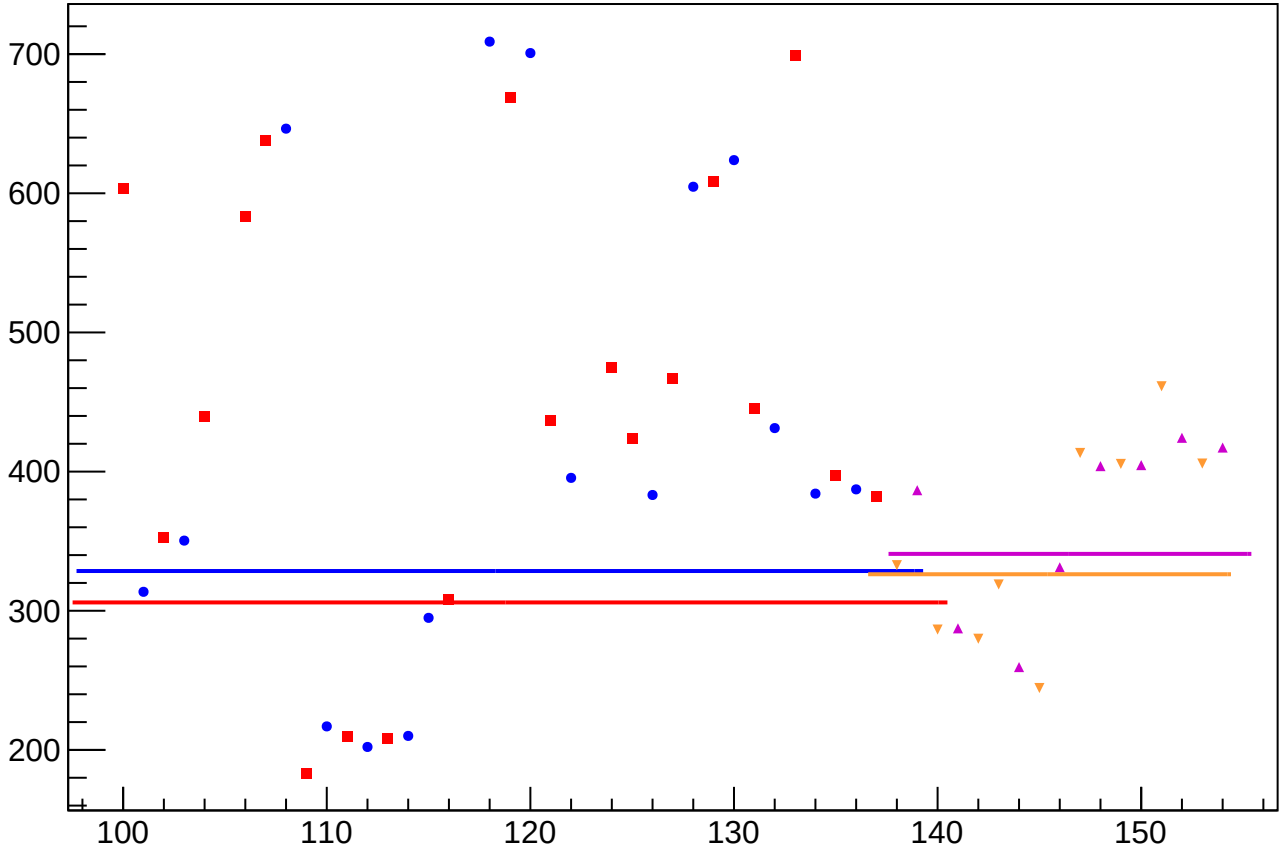
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 115.833+/-93.076 χ^2/NDF:29.2/23

Out: 107.664+/-88.509 χ^2/NDF:52.6/27

All: 111.543+/-64.139 χ^2/NDF: 81.9/51

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: 340.874+/-0.093 χ^2/NDF:470588.8/7

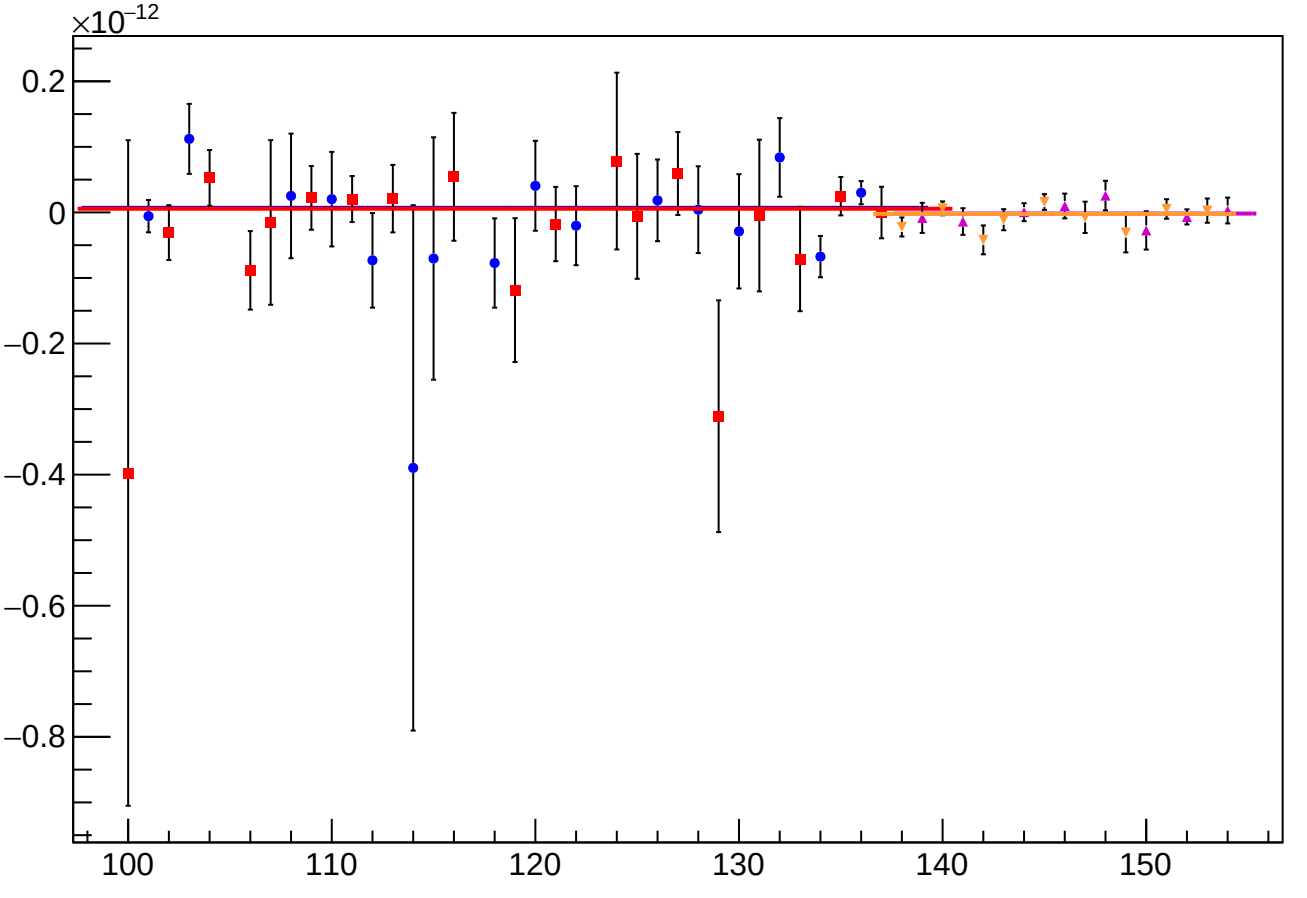
Left: 333.283+/-0.064 χ^2/NDF: 1060259.9/16

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 334.748+/-0.066 χ^2/NDF:2438204.4/23

Out: 315.911+/-0.063 χ^2/NDF:3130438.4/27

All: 324.856+/-0.045 χ^2/NDF: 5611662.3/51



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:3.3/7

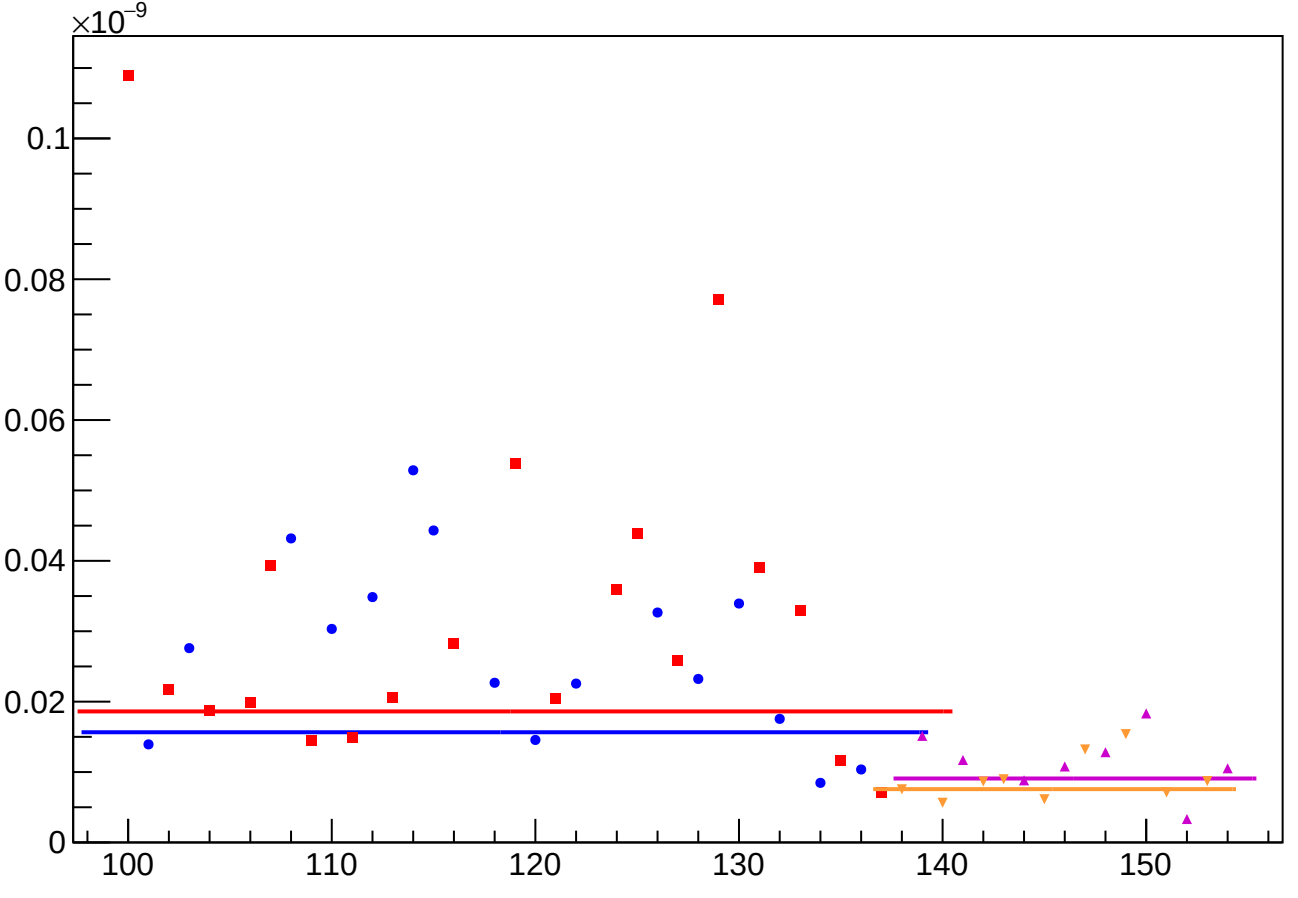
Left: -0.000+/-0.000 χ^2/NDF: 13.0/16

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:21.5/23

Out: -0.000+/-0.000 χ^2/NDF:22.8/27

All: -0.000+/-0.000 χ^2/NDF: 44.3/51



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:951726.9/7

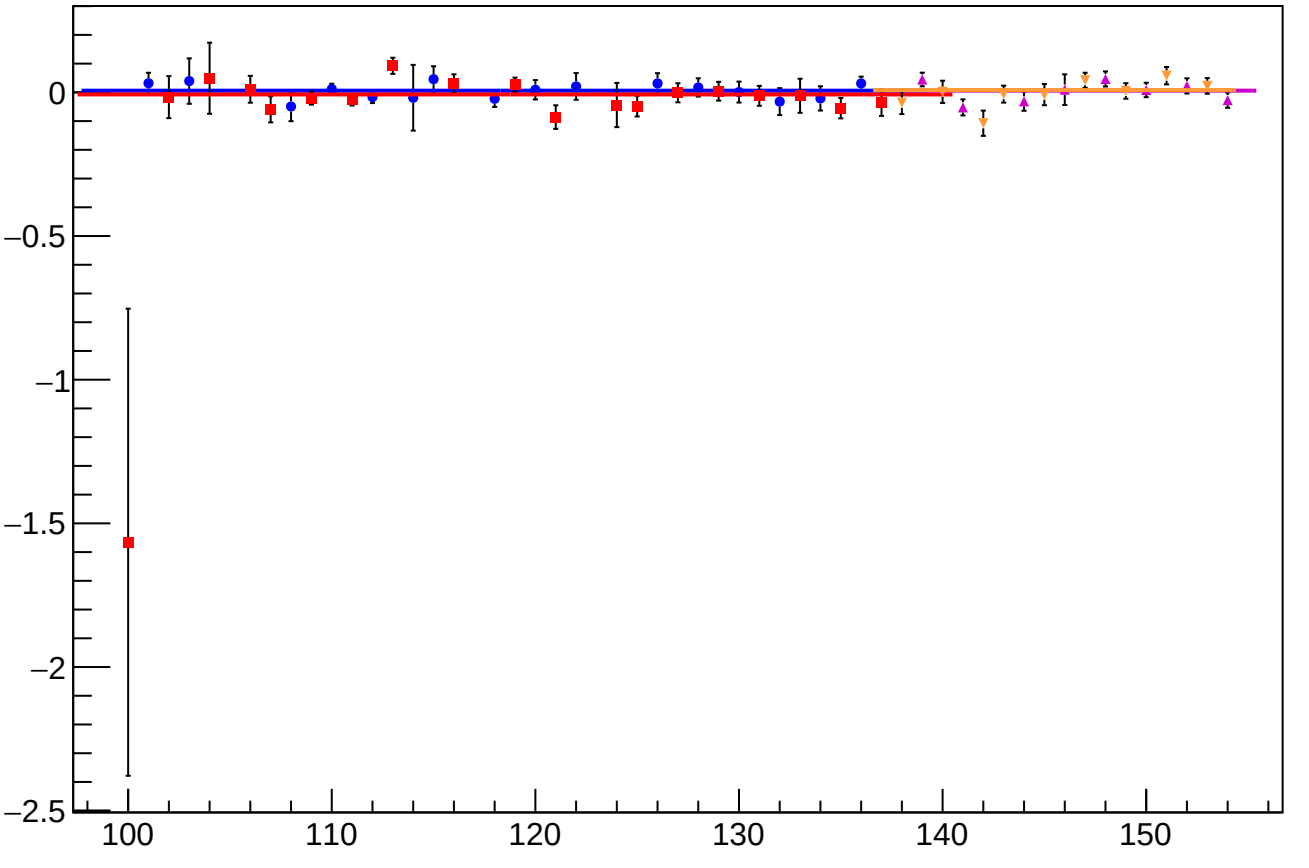
Left: 0.000+/-0.000 χ^2/NDF: 1392357.5/16

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2659418.2/23

Out: 0.000+/-0.000 χ^2/NDF:2870651.9/27

All: 0.000+/-0.000 χ^2/NDF: 5622481.3/51



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: 0.006+/-0.010 χ^2/NDF:12.6/7

Left: 0.007+/-0.007 χ^2/NDF: 26.0/16

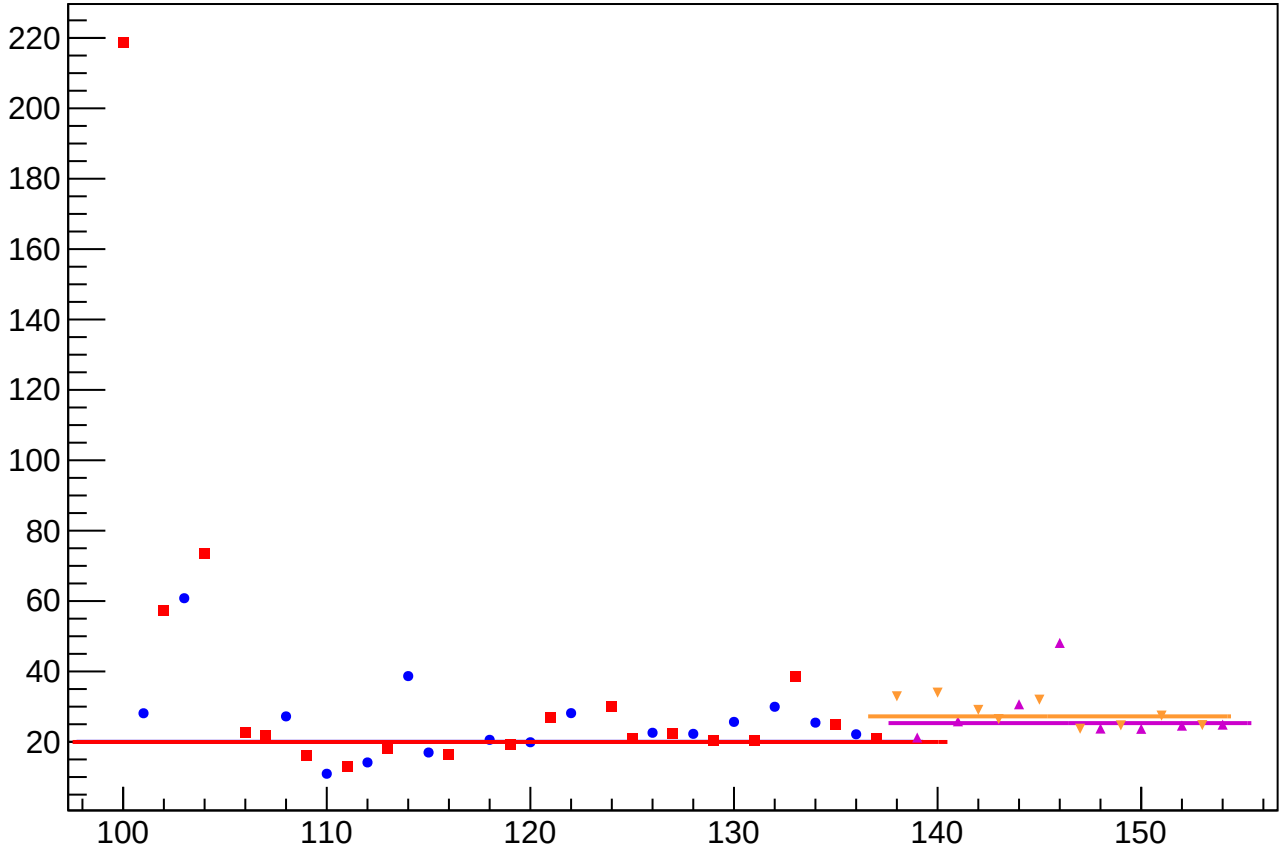
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.006 χ^2/NDF:20.5/23

Out: -0.002+/-0.006 χ^2/NDF:44.4/27

All: 0.002+/-0.004 χ^2/NDF: 65.6/51

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 25.320+/-0.007 χ^2/NDF:495795.4/7

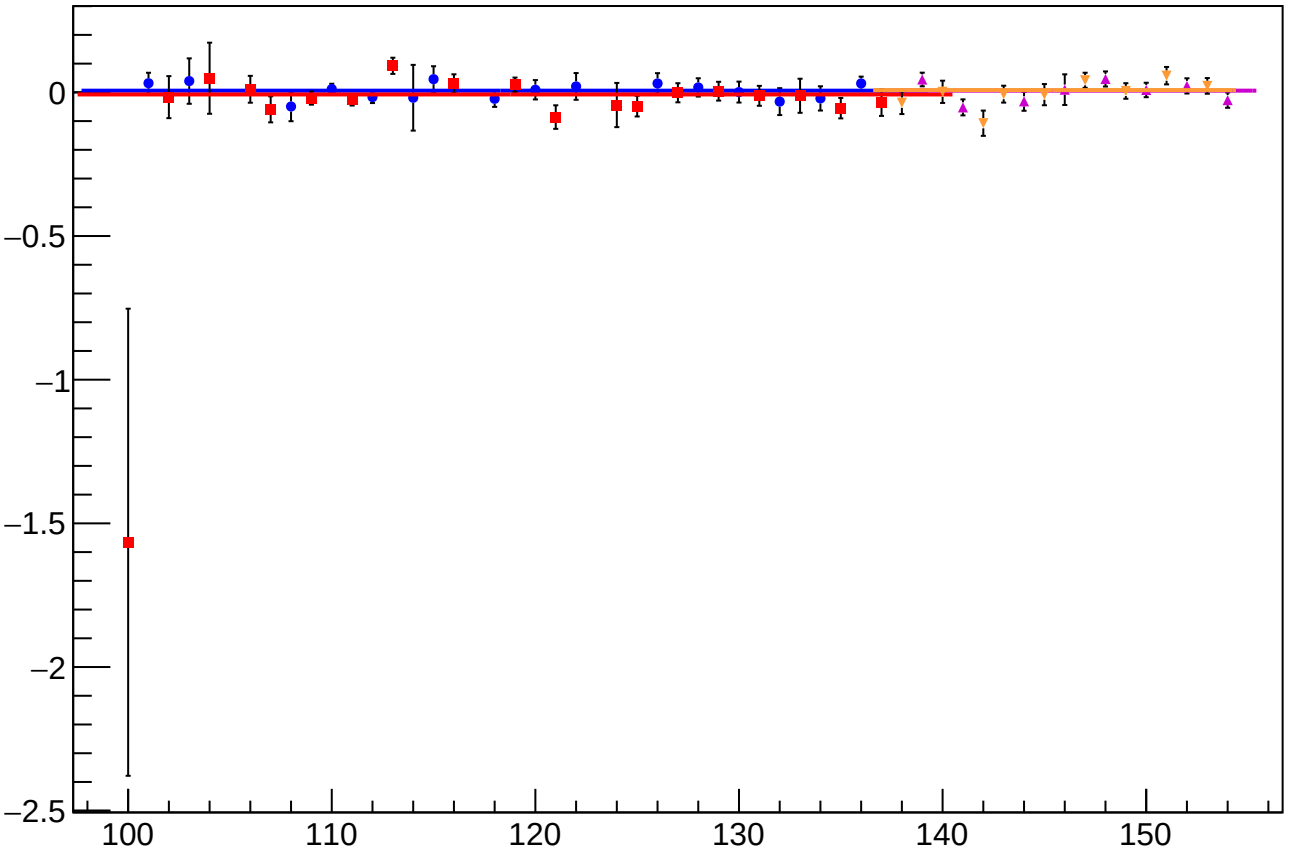
Left: 26.217+/-0.005 χ^2/NDF: 741579.0/16

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.153+/-0.004 χ^2/NDF:2480610.2/23

Out: 22.655+/-0.005 χ^2/NDF:2525227.9/27

All: 22.399+/-0.003 χ^2/NDF: 5012043.7/51



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: 0.006+/-0.010 χ^2/NDF:12.6/7

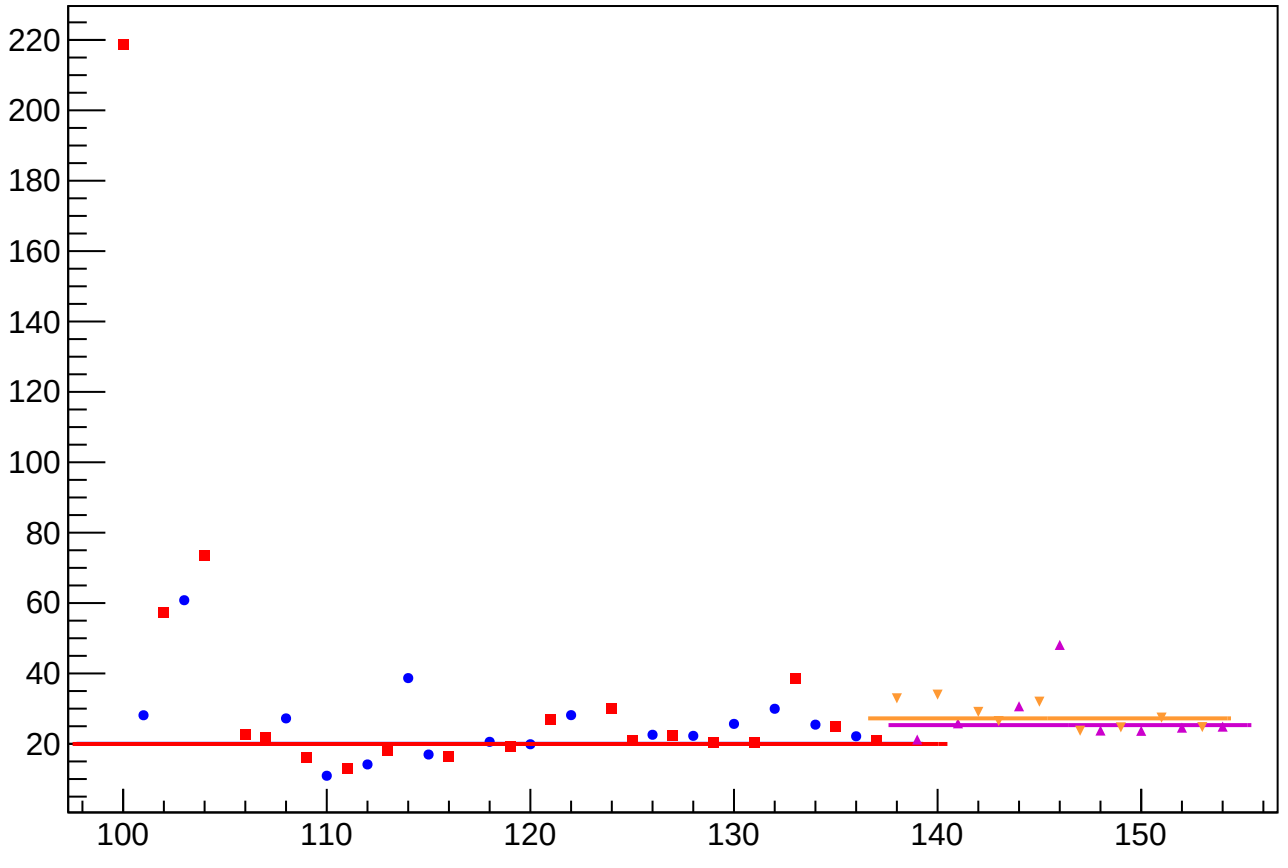
Left: 0.007+/-0.007 χ^2/NDF: 26.0/16

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.006 χ^2/NDF:20.5/23

Out: -0.002+/-0.006 χ^2/NDF:44.4/27

All: 0.002+/-0.004 χ^2/NDF: 65.6/51



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: 25.320+/-0.007 χ^2/NDF:495795.4/7

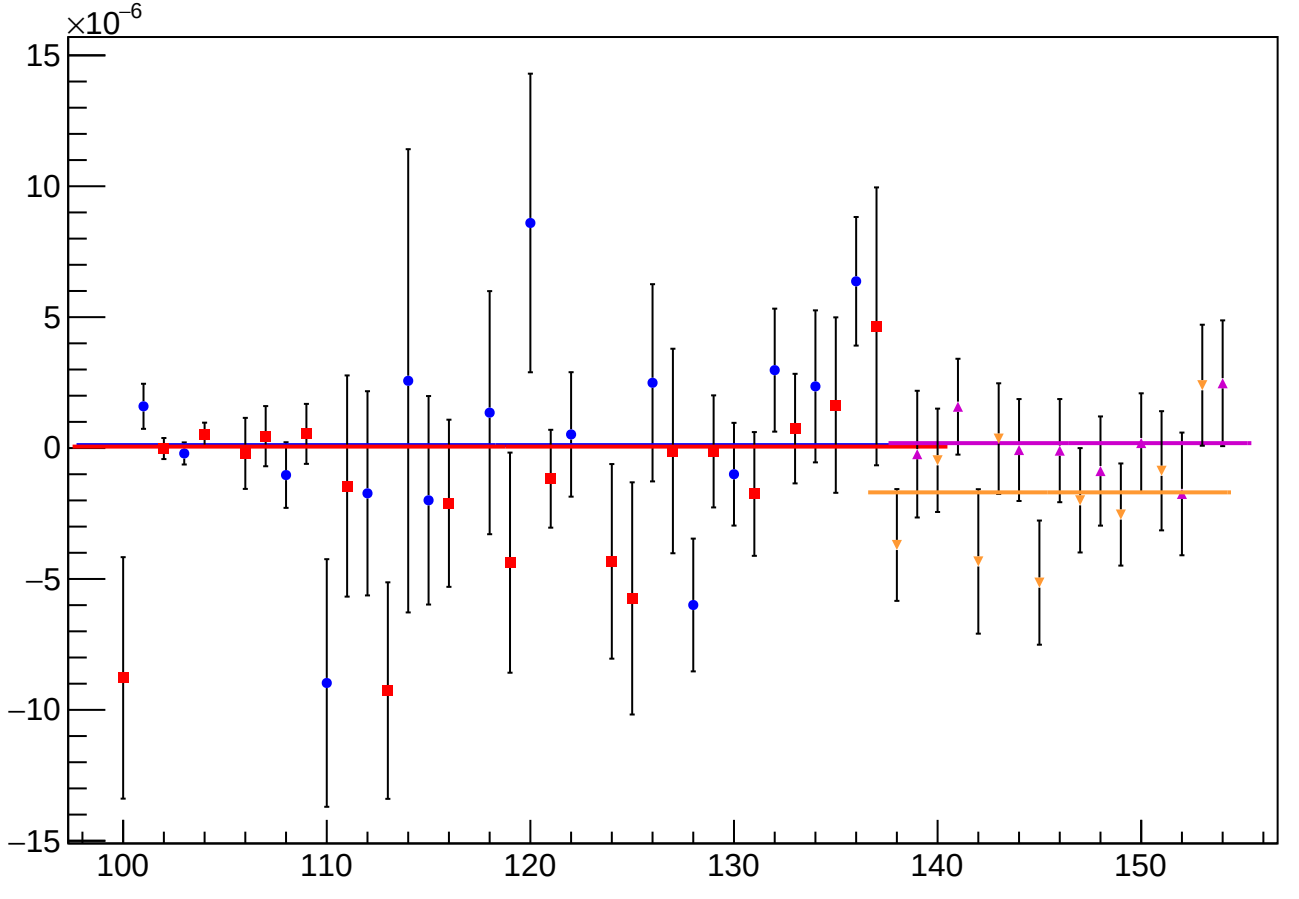
Left: 26.217+/-0.005 χ^2/NDF: 741579.0/16

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.153+/-0.004 χ^2/NDF:2480610.2/23

Out: 22.655+/-0.005 χ^2/NDF:2525227.9/27

All: 22.399+/-0.003 χ^2/NDF: 5012043.7/51



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:2.5/7

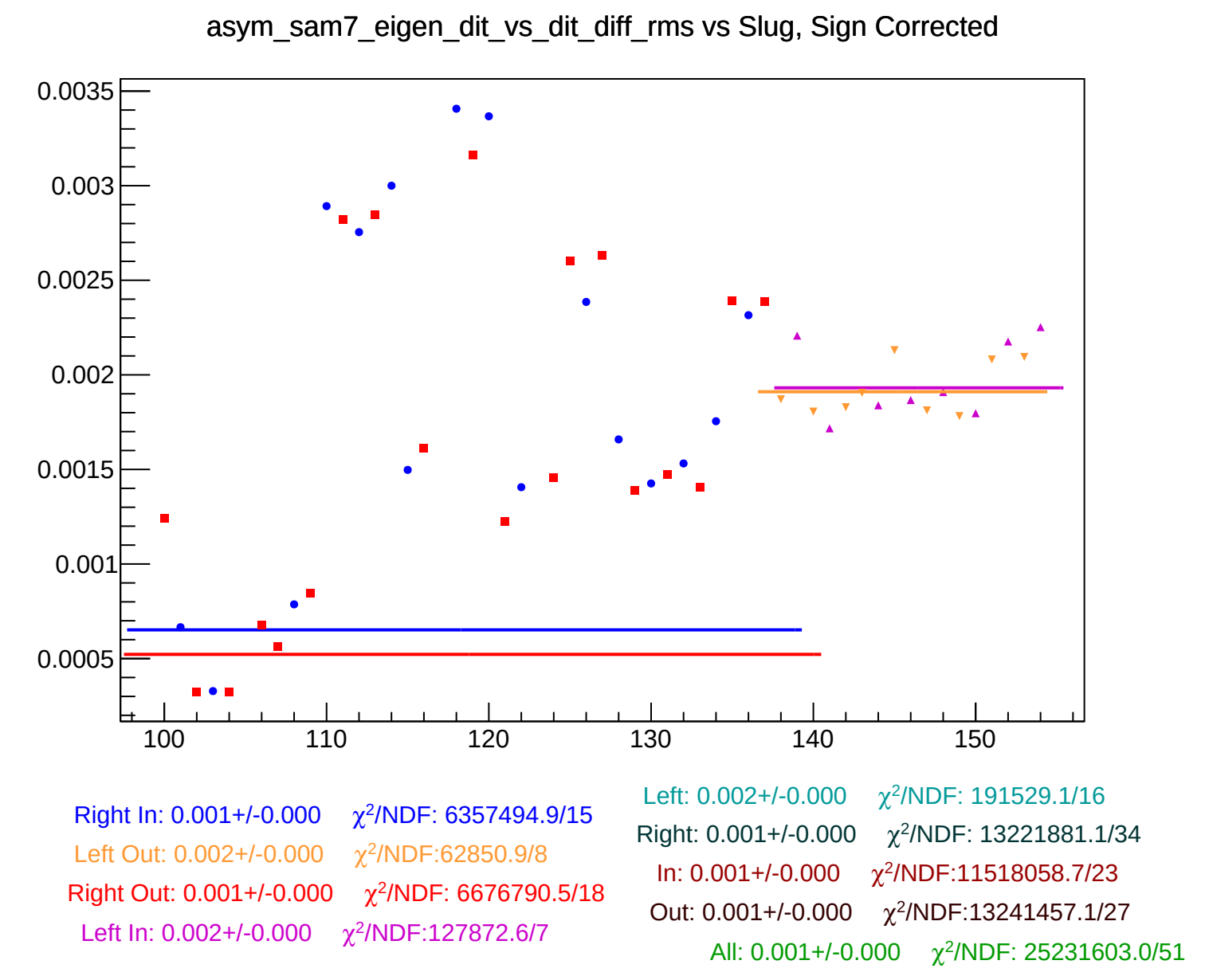
Left: -0.000+/-0.000 χ^2/NDF: 14.5/16

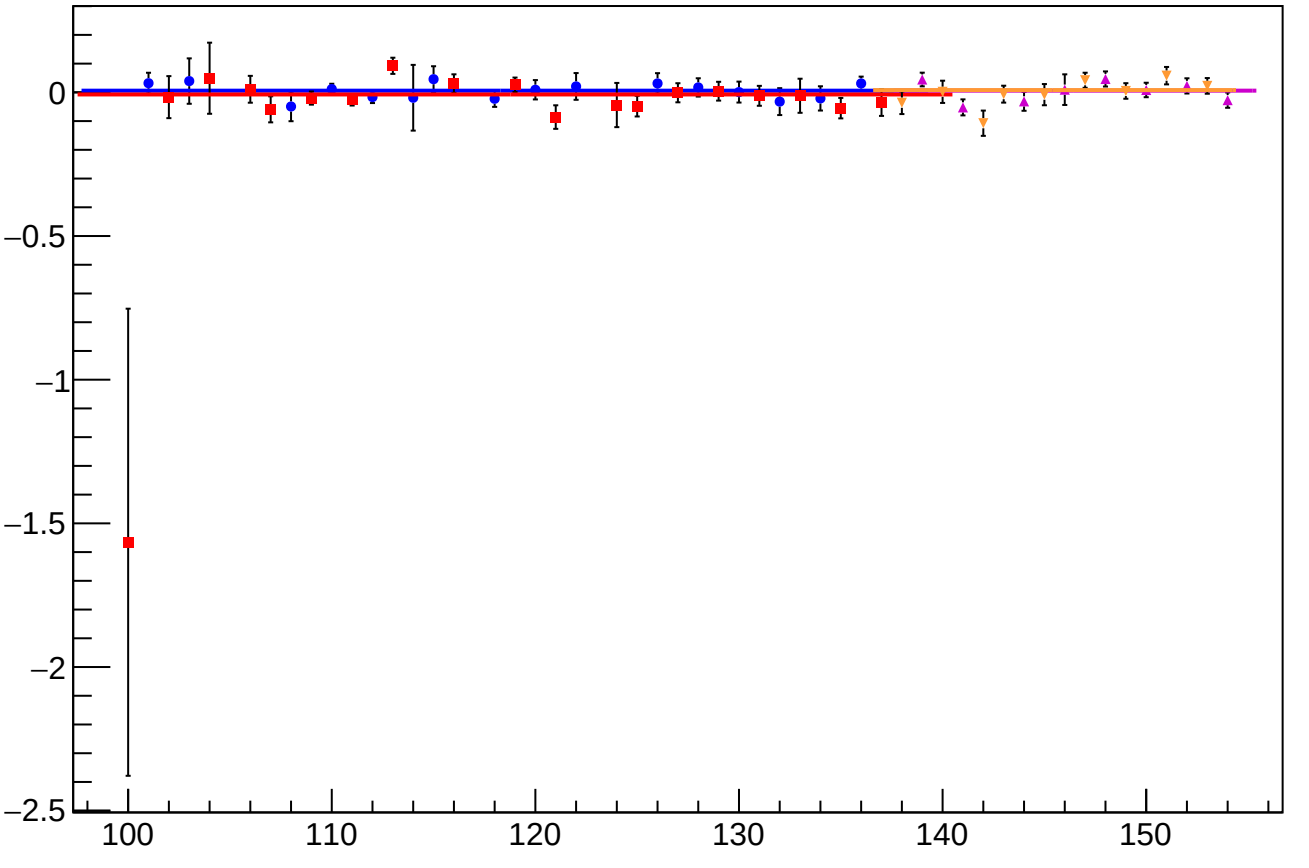
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:28.6/23

Out: -0.000+/-0.000 χ^2/NDF:31.0/27

All: -0.000+/-0.000 χ^2/NDF: 60.0/51


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:127872.6/7
Left: 0.002+/-0.000 χ²/NDF: 191529.1/16
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:11518058.7/23
Out: 0.001+/-0.000 χ²/NDF:13241457.1/27
All: 0.001+/-0.000 χ²/NDF: 25231603.0/51



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: 0.006+/-0.010 χ^2/NDF:12.6/7

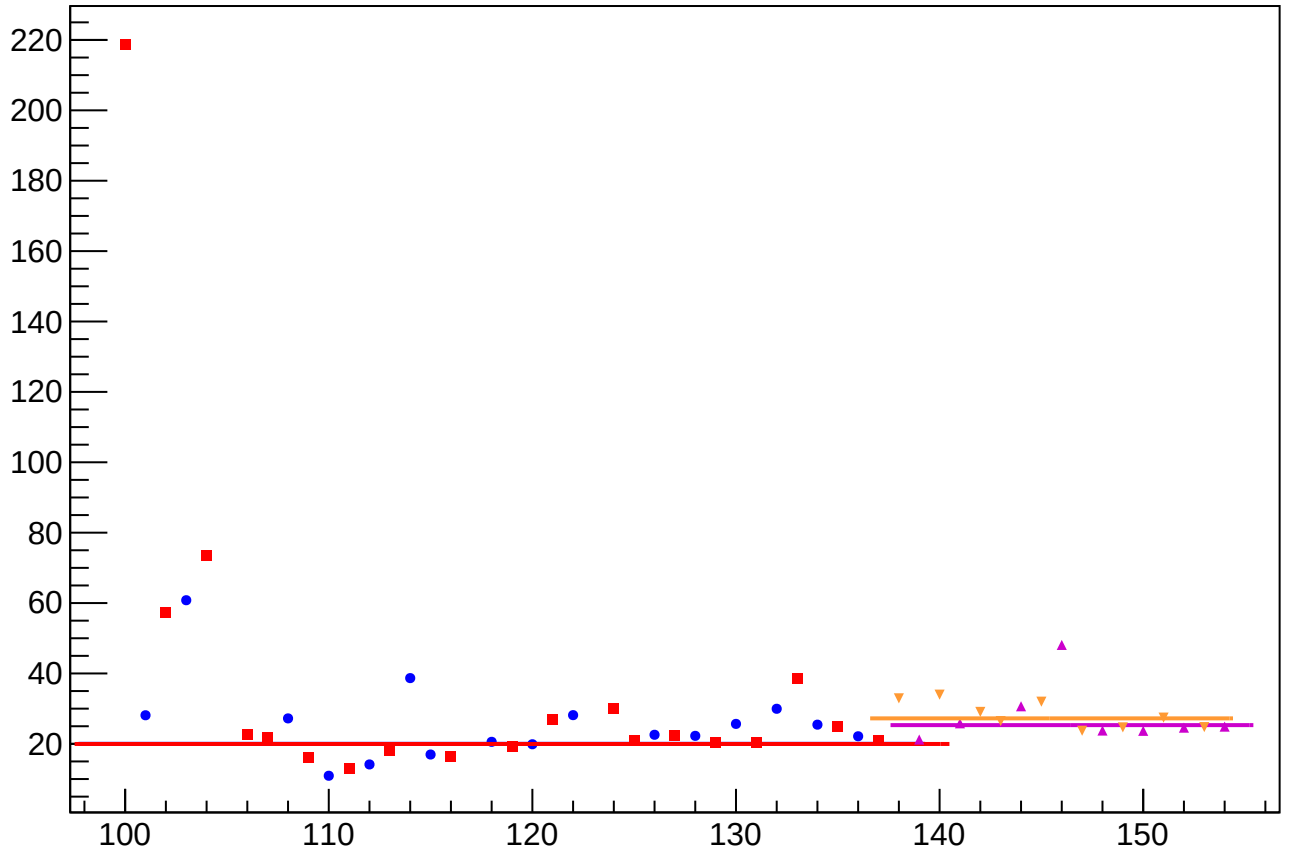
Left: 0.007+/-0.007 χ^2/NDF: 26.0/16

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.006 χ^2/NDF:20.5/23

Out: -0.002+/-0.006 χ^2/NDF:44.4/27

All: 0.002+/-0.004 χ^2/NDF: 65.6/51



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: 25.320+/-0.007 χ^2/NDF:495804.8/7

Left: 26.217+/-0.005 χ^2/NDF: 741607.0/16

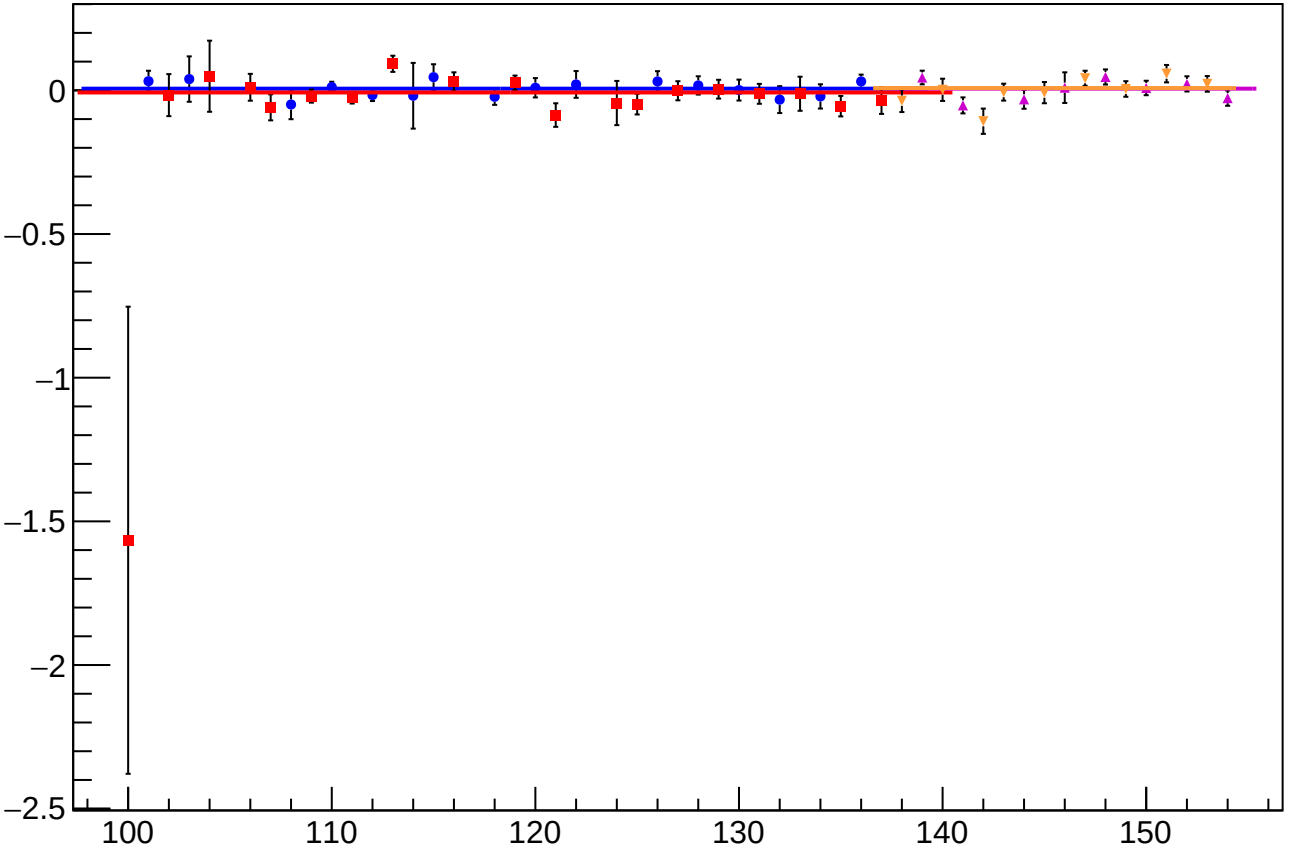
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.154+/-0.004 χ^2/NDF:2480380.5/23

Out: 22.655+/-0.005 χ^2/NDF:2525160.7/27

All: 22.400+/-0.003 χ^2/NDF: 5011741.2/51

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.008+/-0.011 χ^2/NDF:13.3/8

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.006+/-0.010 χ^2/NDF:12.6/7

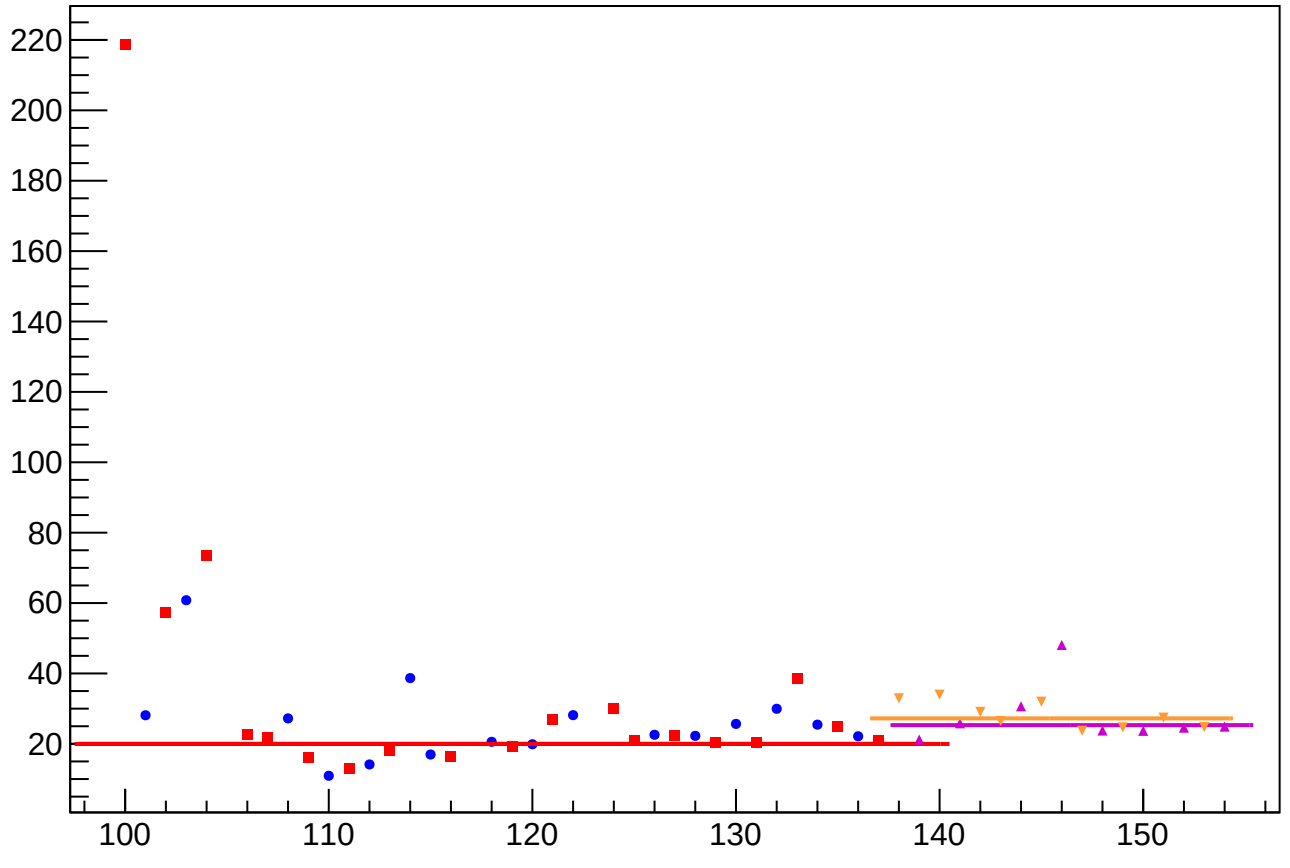
Left: 0.007+/-0.007 χ^2/NDF: 26.0/16

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.006 χ^2/NDF:20.5/23

Out: -0.002+/-0.006 χ^2/NDF:44.4/27

All: 0.002+/-0.004 χ^2/NDF: 65.6/51



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: 25.320+/-0.007 χ^2/NDF:495804.8/7

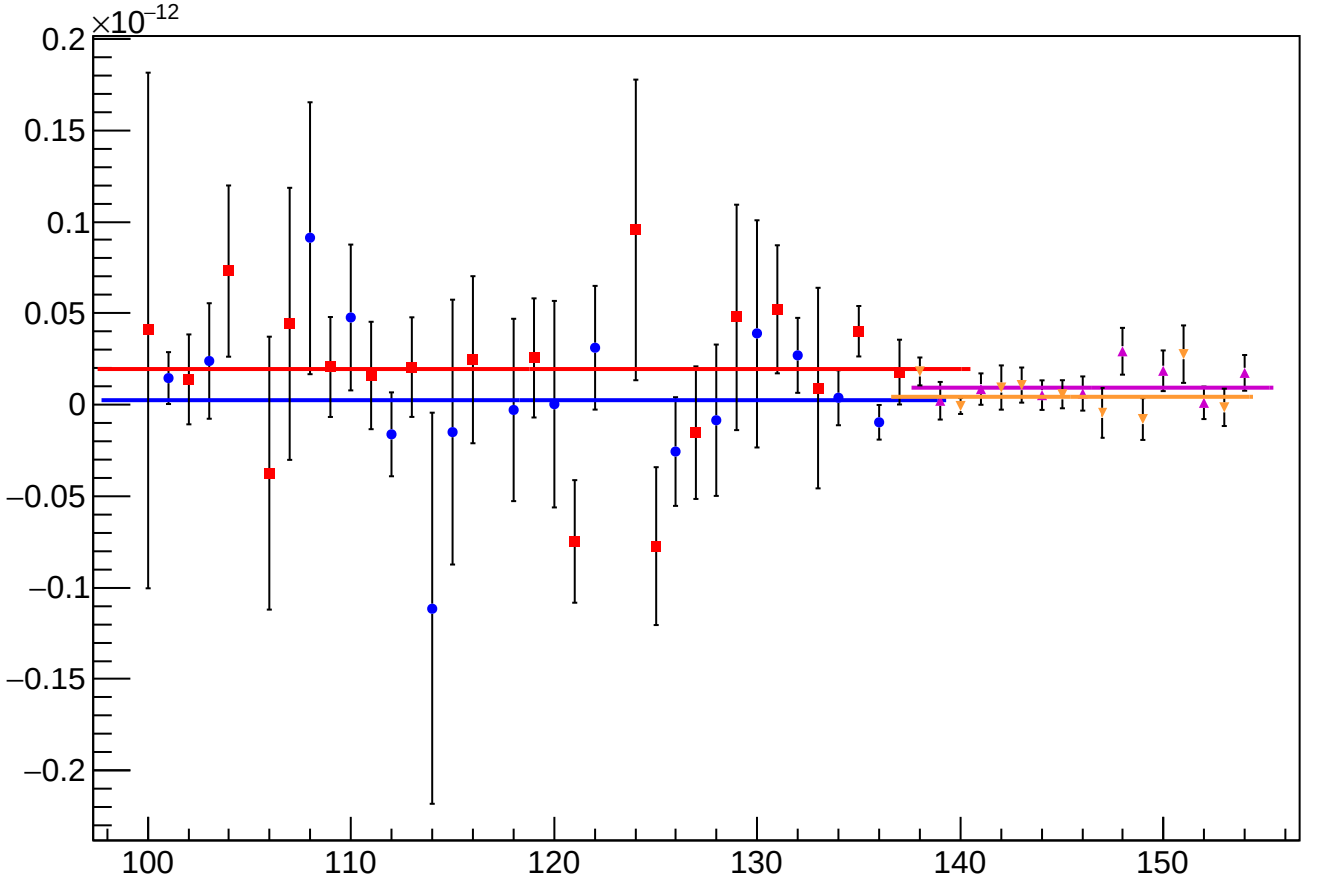
Left: 26.217+/-0.005 χ^2/NDF: 741607.0/16

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.154+/-0.004 χ^2/NDF:2480380.5/23

Out: 22.655+/-0.005 χ^2/NDF:2525160.7/27

All: 22.400+/-0.003 χ^2/NDF: 5011741.2/51



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

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/7

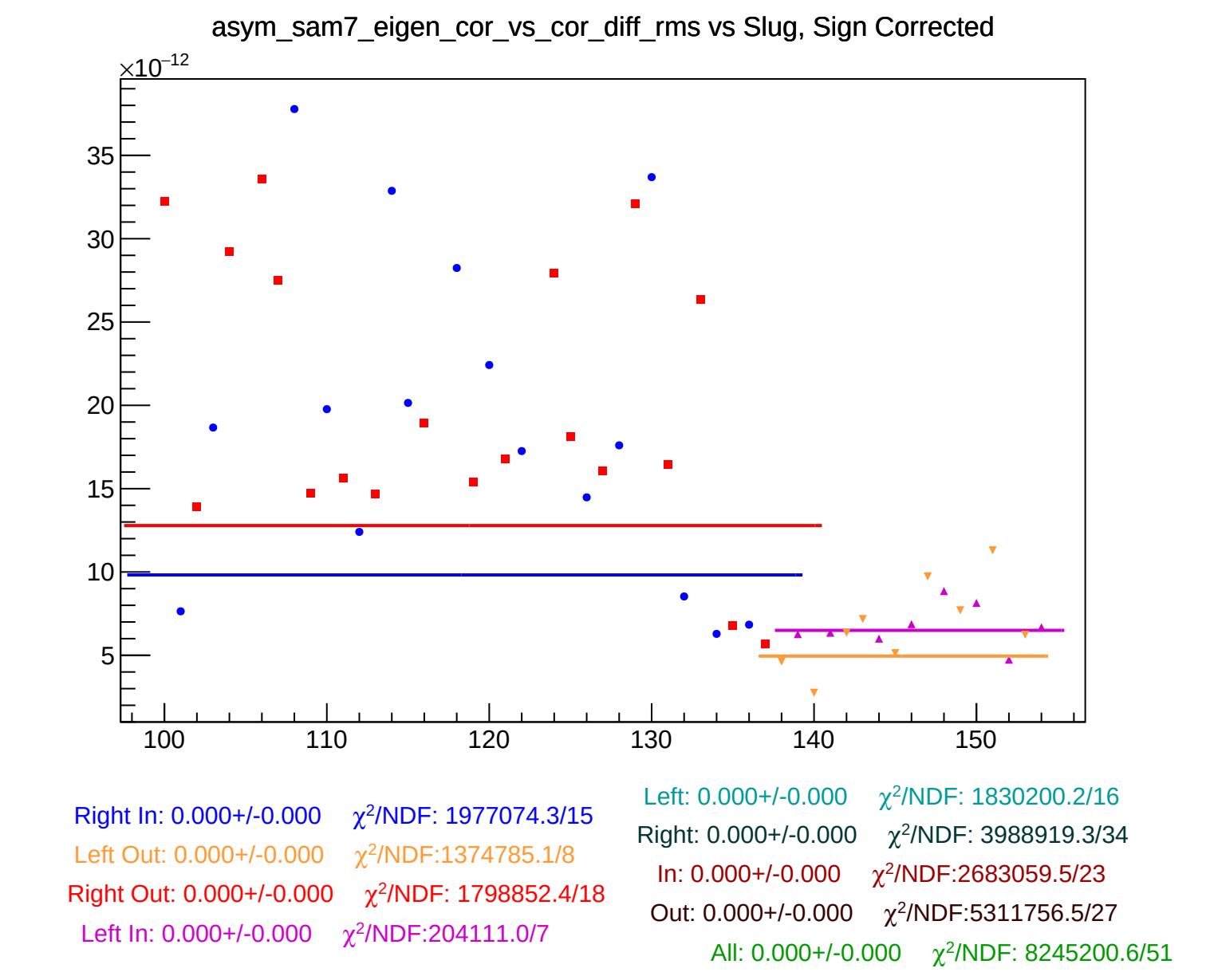
Left: 0.000+/-0.000 χ^2/NDF: 16.2/16

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

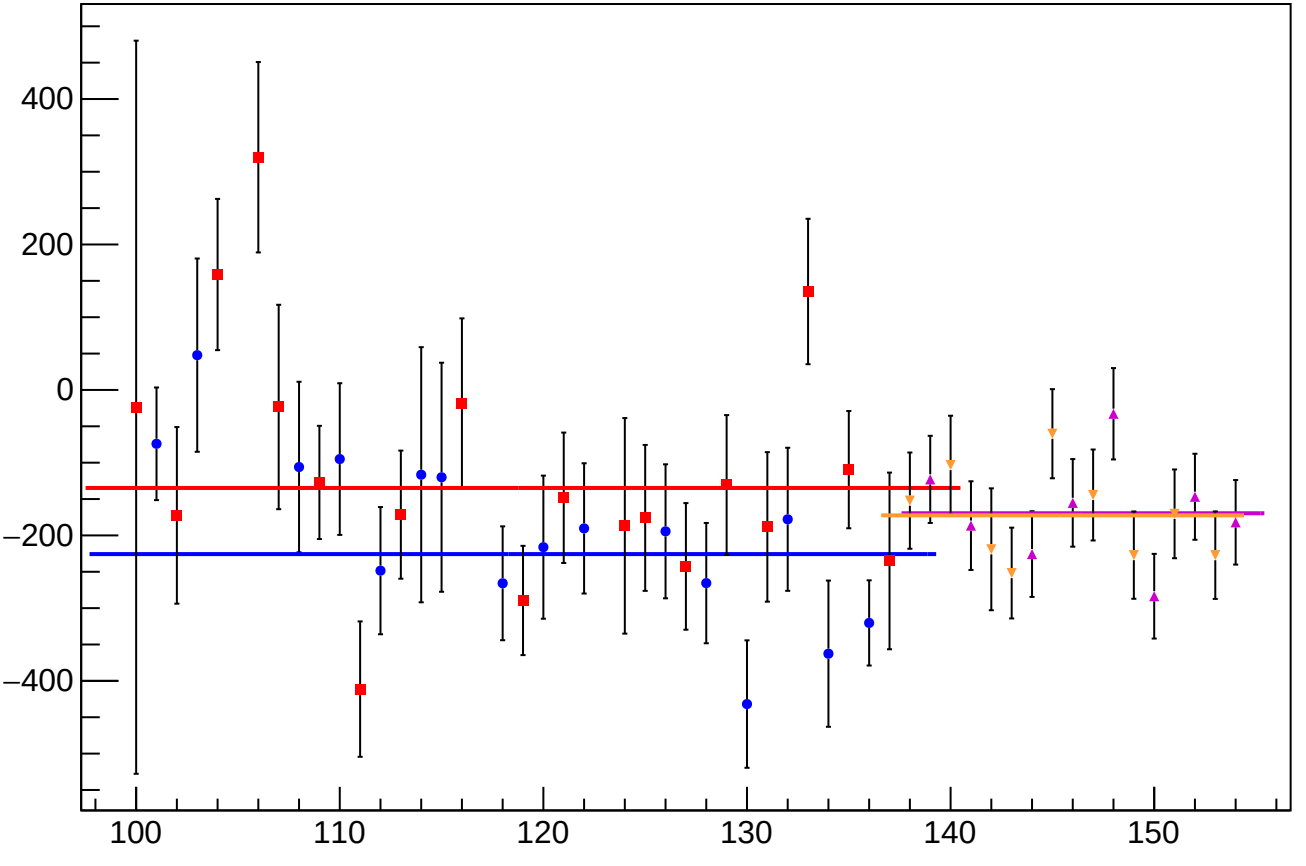
In: 0.000+/-0.000 χ^2/NDF:17.4/23

Out: 0.000+/-0.000 χ^2/NDF:33.6/27

All: 0.000+/-0.000 χ^2/NDF: 51.1/51


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:204111.0/7
Left: 0.000+/-0.000 χ²/NDF: 1830200.2/16
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2683059.5/23
Out: 0.000+/-0.000 χ²/NDF:5311756.5/27
All: 0.000+/-0.000 χ²/NDF: 8245200.6/51

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: -169.530+/-21.118 χ^2/NDF:10.4/7

Left: -170.967+/-15.021 χ^2/NDF: 18.7/16

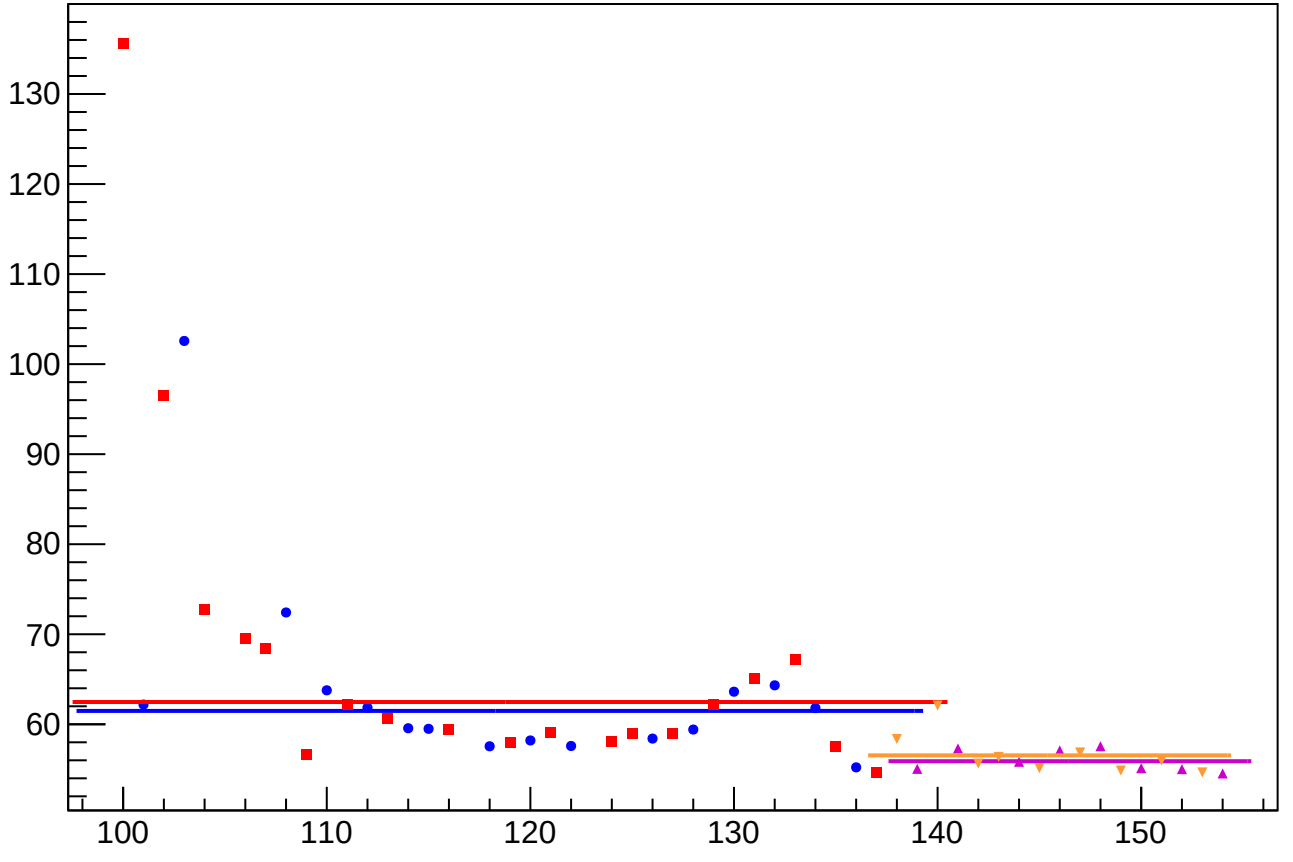
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -195.077+/-15.592 χ^2/NDF:36.2/23

Out: -155.138+/-15.715 χ^2/NDF:55.0/27

All: -175.264+/-11.069 χ^2/NDF: 94.5/51

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: 55.901+/-0.015 χ^2/NDF:5555.5/7

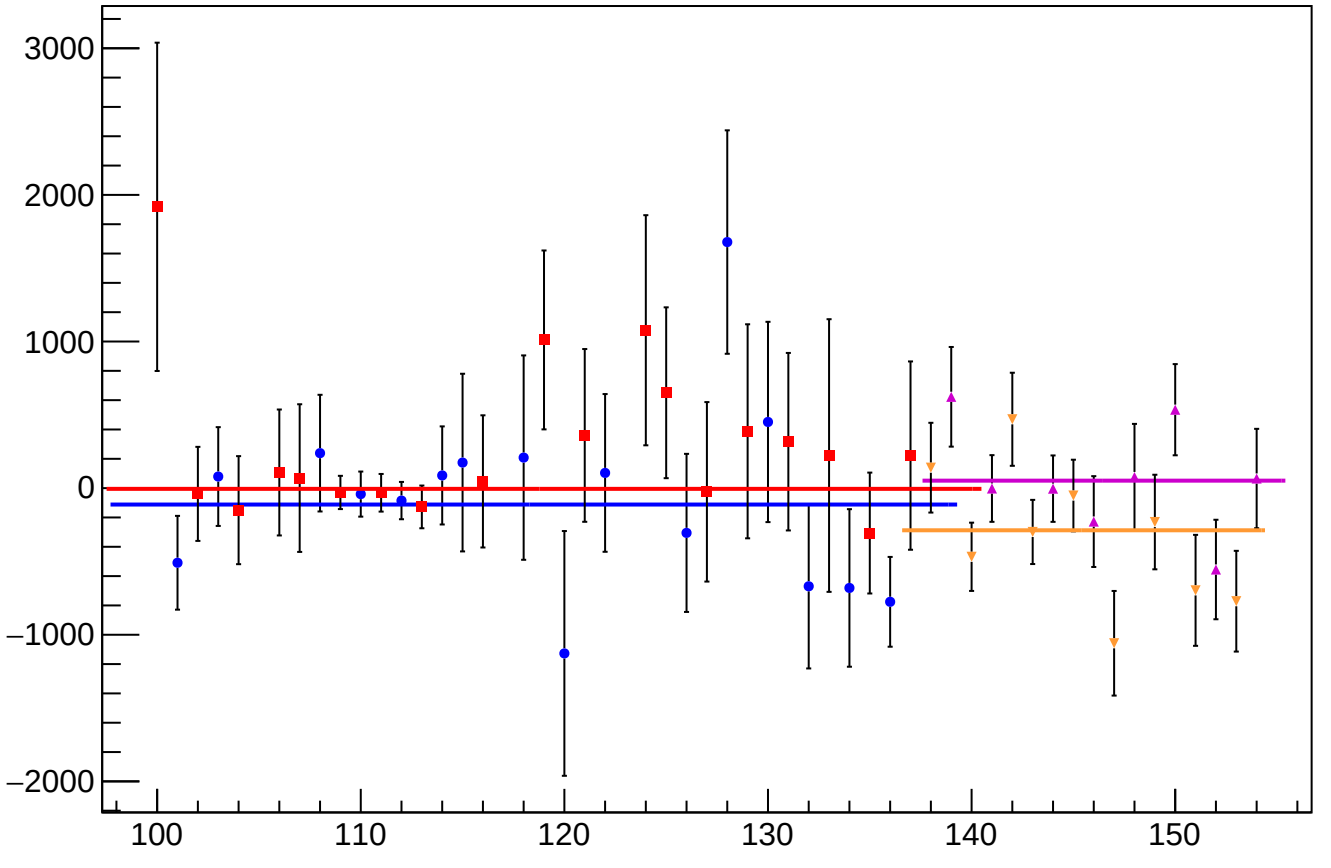
Left: 56.221+/-0.011 χ^2/NDF: 26431.0/16

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.441+/-0.011 χ^2/NDF:319851.4/23

Out: 59.271+/-0.011 χ^2/NDF:371717.7/27

All: 58.853+/-0.008 χ^2/NDF: 694375.9/51



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: 51.062+/-103.541 χ^2/NDF:9.4/7

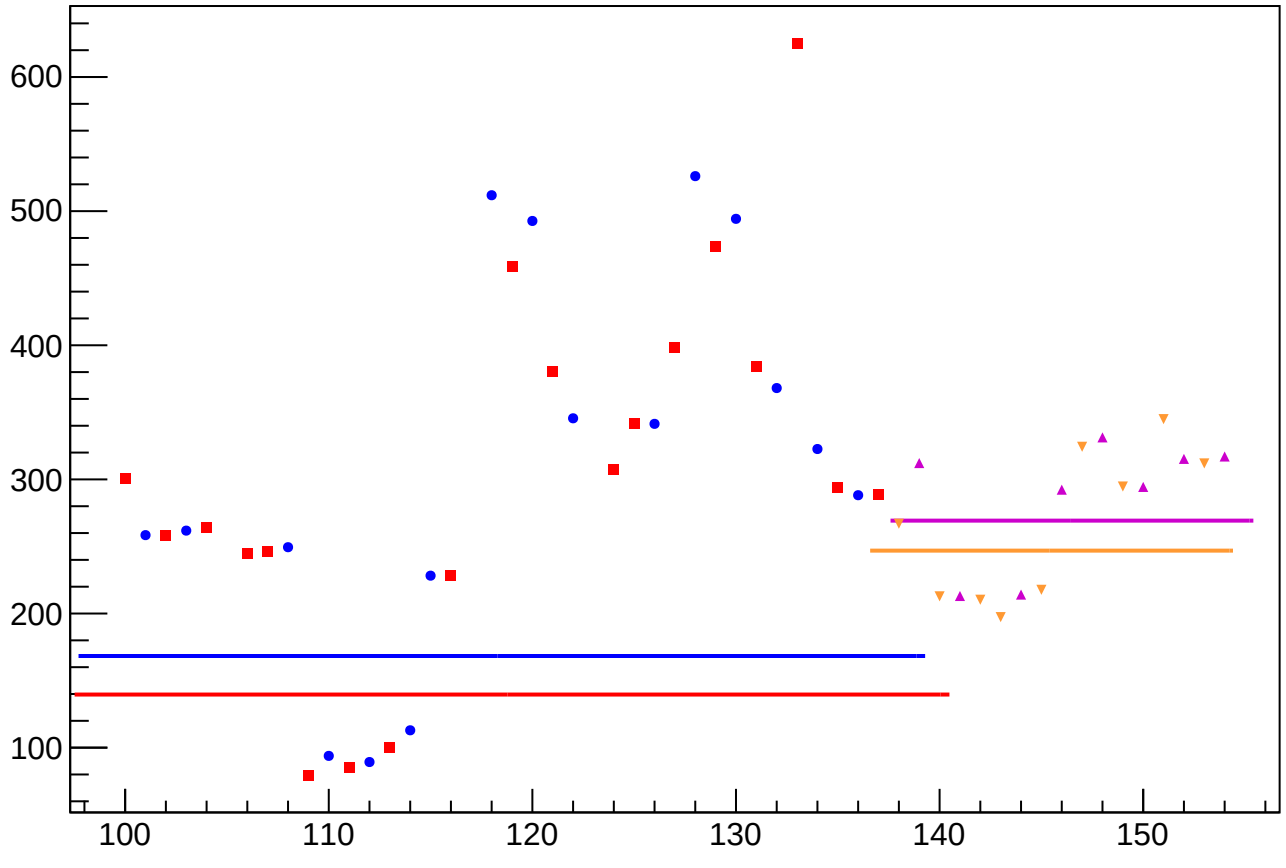
Left: -131.838+/-70.206 χ^2/NDF: 32.2/16

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -54.625+/-61.378 χ^2/NDF:29.4/23

Out: -92.327+/-53.129 χ^2/NDF:34.7/27

All: -76.178+/-40.170 χ^2/NDF: 64.4/51



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: 269.261+/-0.073 χ^2/NDF:432059.1/7

Left: 257.178+/-0.050 χ^2/NDF: 1035770.8/16

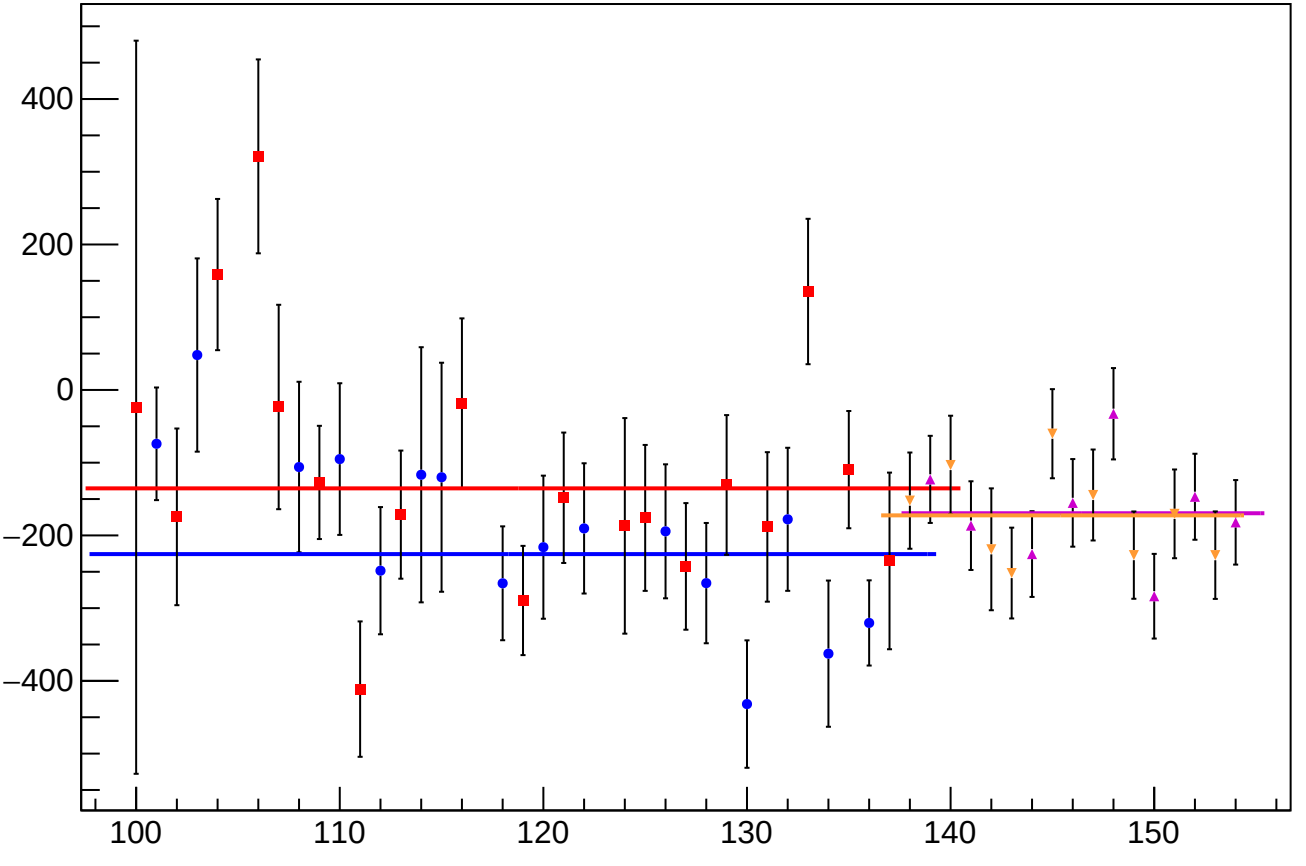
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 203.797+/-0.043 χ^2/NDF:6208740.3/23

Out: 172.793+/-0.038 χ^2/NDF:7450571.6/27

All: 186.073+/-0.028 χ^2/NDF: 13951038.2/51

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: -169.530+/-21.118 χ^2/NDF:10.4/7

Left: -170.965+/-15.021 χ^2/NDF: 18.7/16

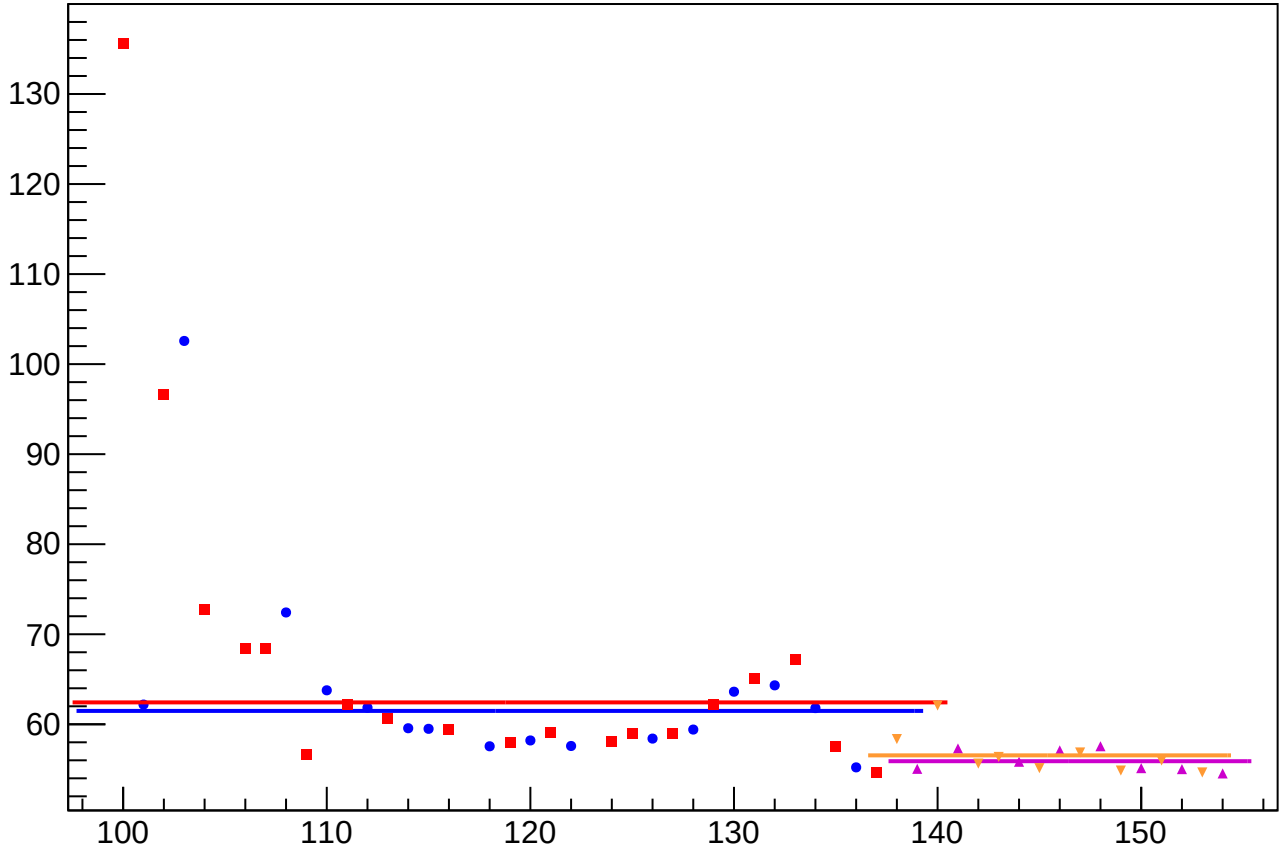
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -195.076+/-15.592 χ^2/NDF:36.3/23

Out: -155.400+/-15.719 χ^2/NDF:54.6/27

All: -175.399+/-11.070 χ^2/NDF: 94.0/51

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: 55.901+/-0.015 χ^2/NDF:5555.5/7

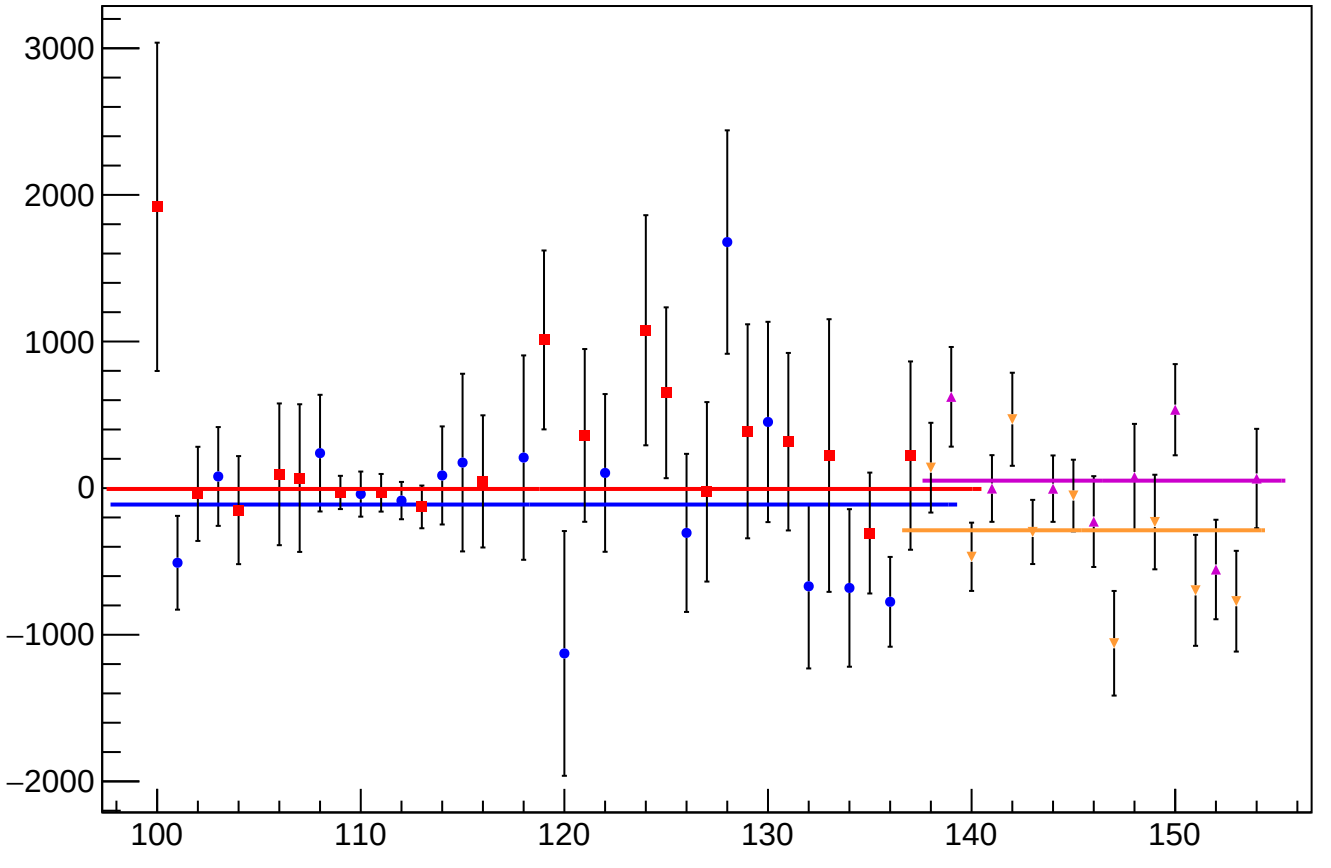
Left: 56.221+/-0.011 χ^2/NDF: 26431.0/16

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.441+/-0.011 χ^2/NDF:319854.0/23

Out: 59.249+/-0.011 χ^2/NDF:368911.6/27

All: 58.842+/-0.008 χ^2/NDF: 691428.3/51



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: 51.061+/-103.541 χ^2/NDF:9.4/7

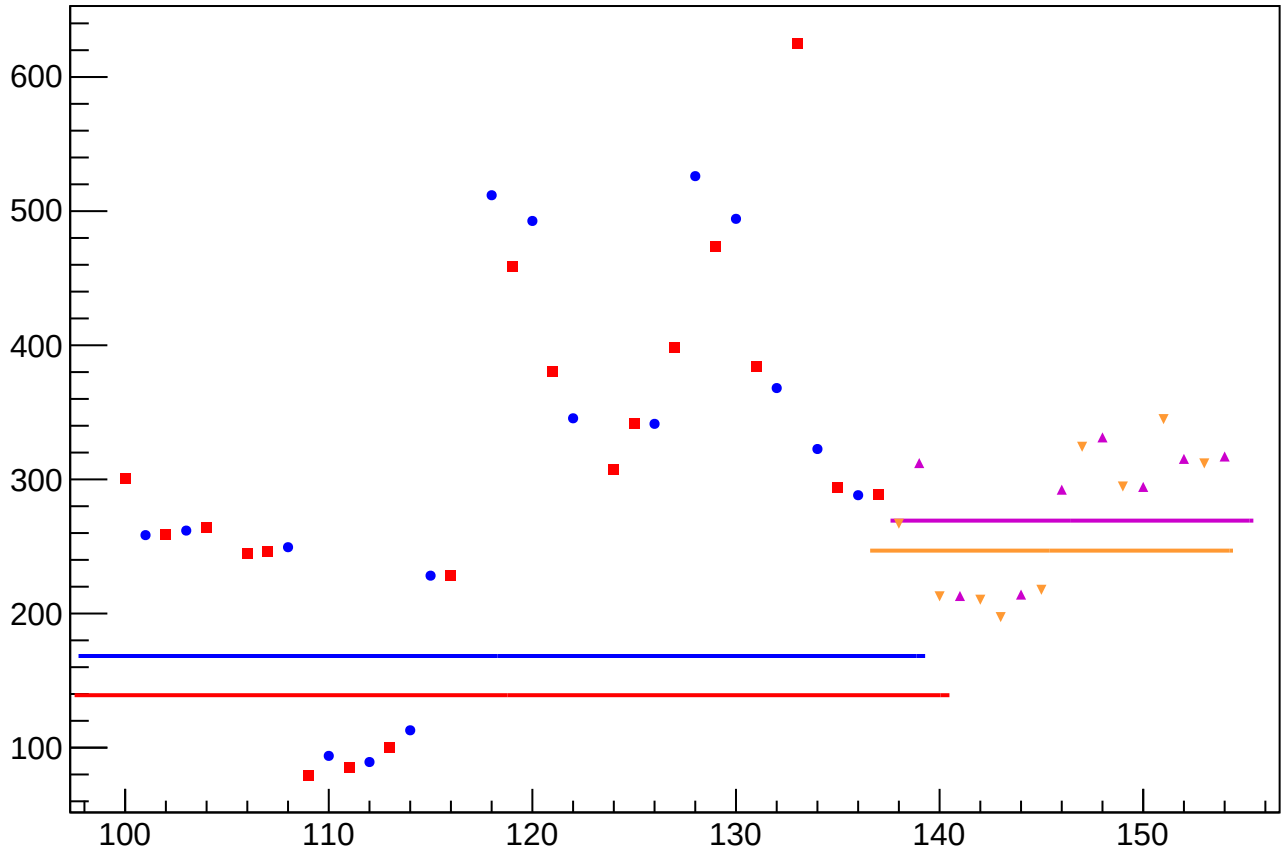
Left: -131.837+/-70.206 χ^2/NDF: 32.2/16

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -54.613+/-61.378 χ^2/NDF:29.4/23

Out: -93.112+/-53.217 χ^2/NDF:34.6/27

All: -76.591+/-40.208 χ^2/NDF: 64.3/51



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: 269.261+/-0.073 χ^2/NDF:432059.5/7

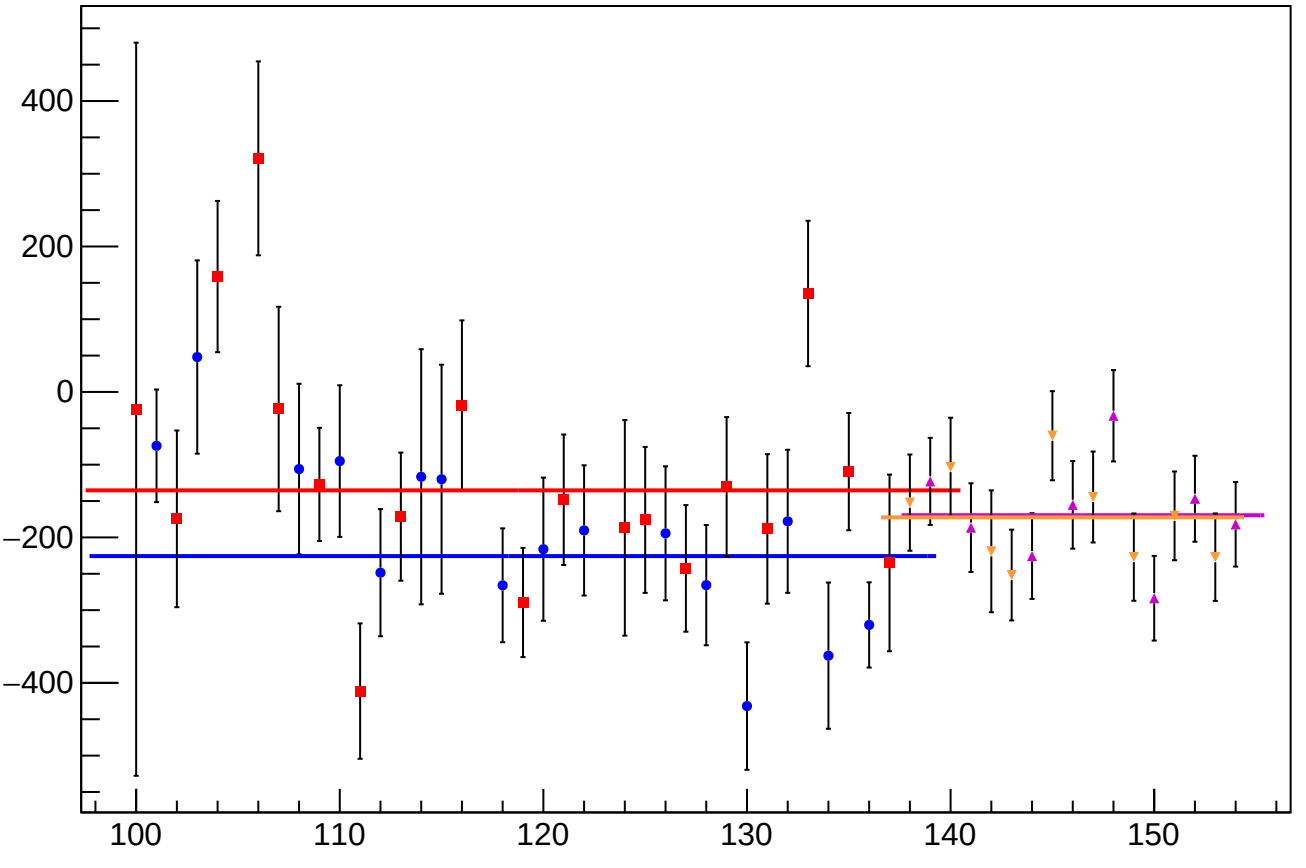
Left: 257.178+/-0.050 χ^2/NDF: 1035776.7/16

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 203.797+/-0.043 χ^2/NDF:6208786.3/23

Out: 172.565+/-0.038 χ^2/NDF:7439757.1/27

All: 185.968+/-0.028 χ^2/NDF: 13944167.2/51



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: -169.530+/-21.118 χ^2/NDF:10.4/7

Left: -170.965+/-15.021 χ^2/NDF: 18.7/16

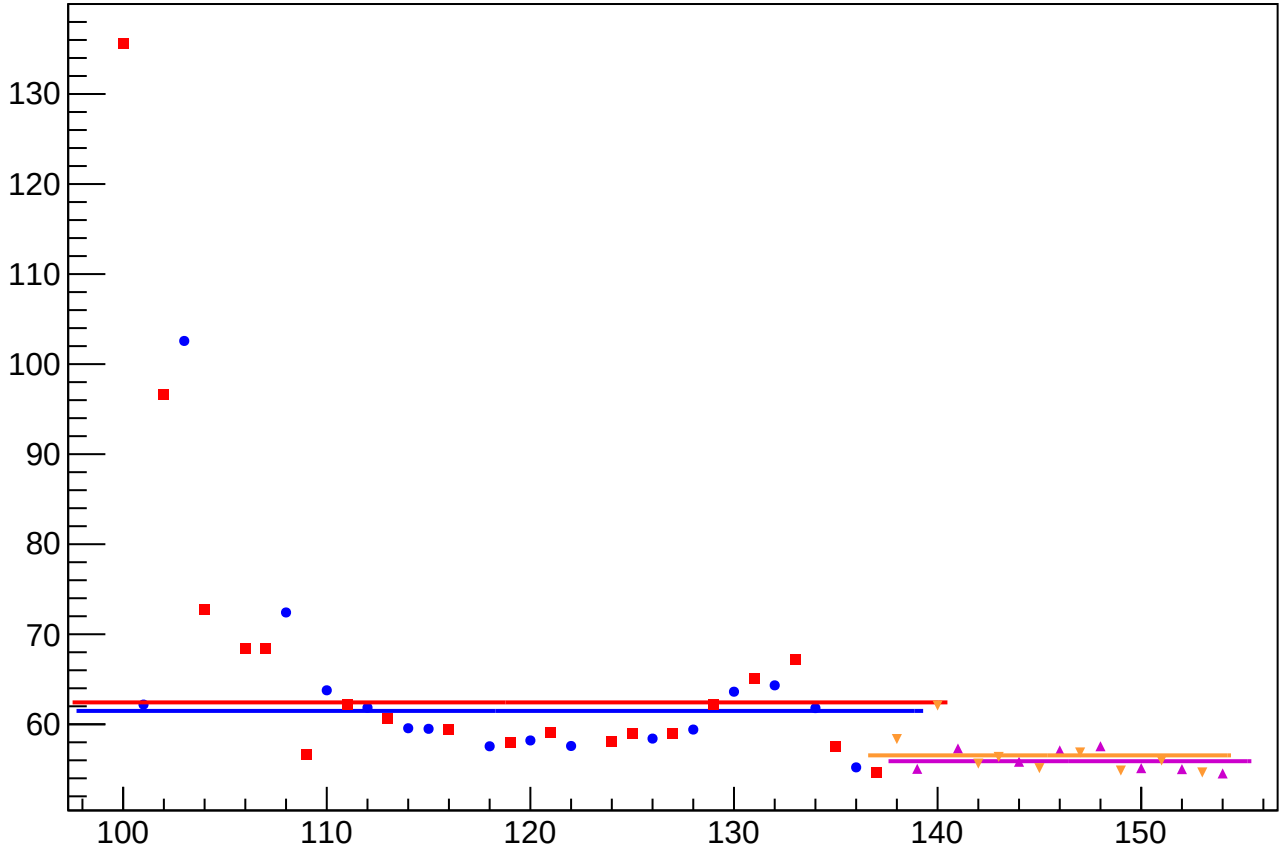
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -195.076+/-15.592 χ^2/NDF:36.3/23

Out: -155.400+/-15.719 χ^2/NDF:54.6/27

All: -175.399+/-11.070 χ^2/NDF: 94.0/51

eigen_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: 55.901+/-0.015 χ^2/NDF:5555.5/7

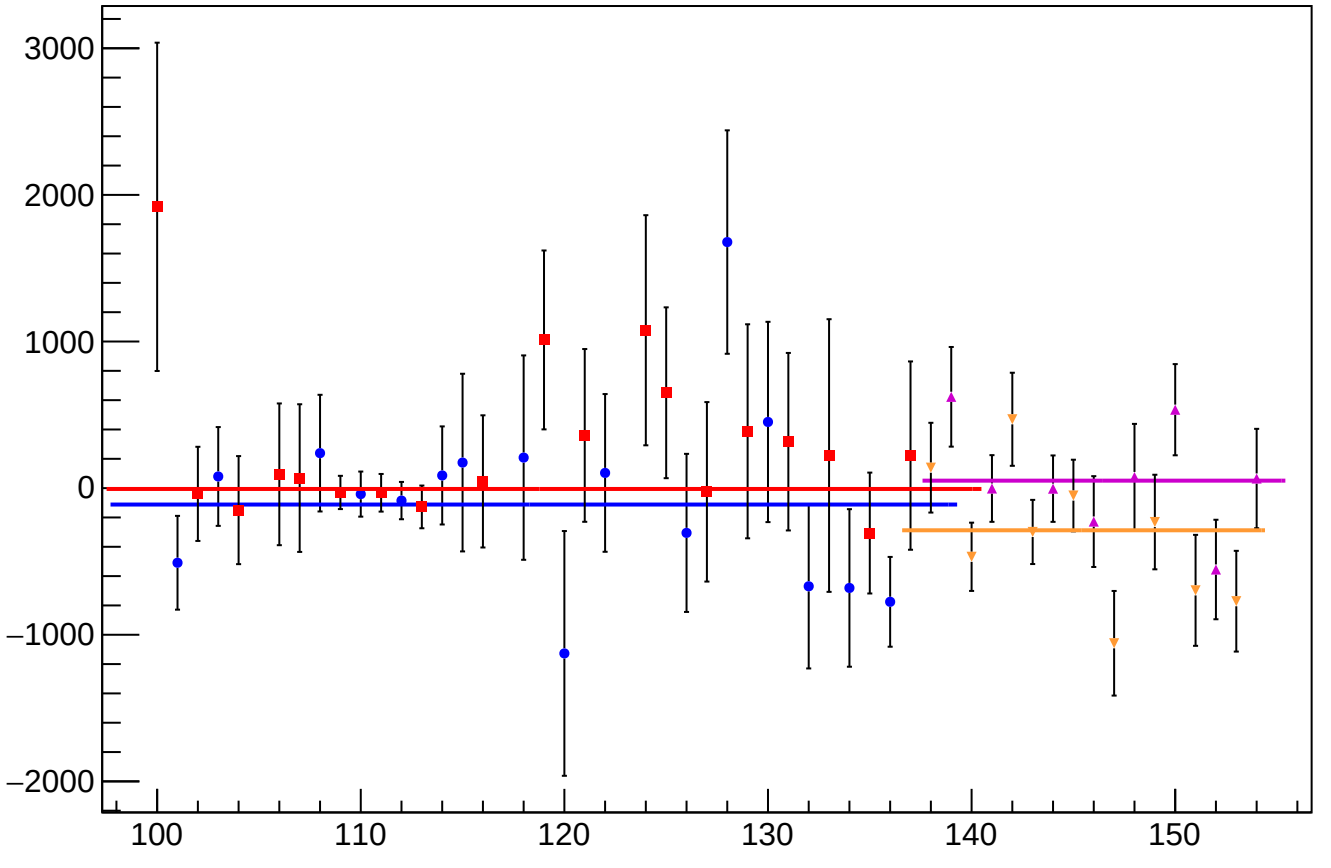
Left: 56.221+/-0.011 χ^2/NDF: 26431.0/16

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.441+/-0.011 χ^2/NDF:319854.0/23

Out: 59.249+/-0.011 χ^2/NDF:368911.6/27

All: 58.842+/-0.008 χ^2/NDF: 691428.3/51



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: 51.061+/-103.541 χ^2/NDF:9.4/7

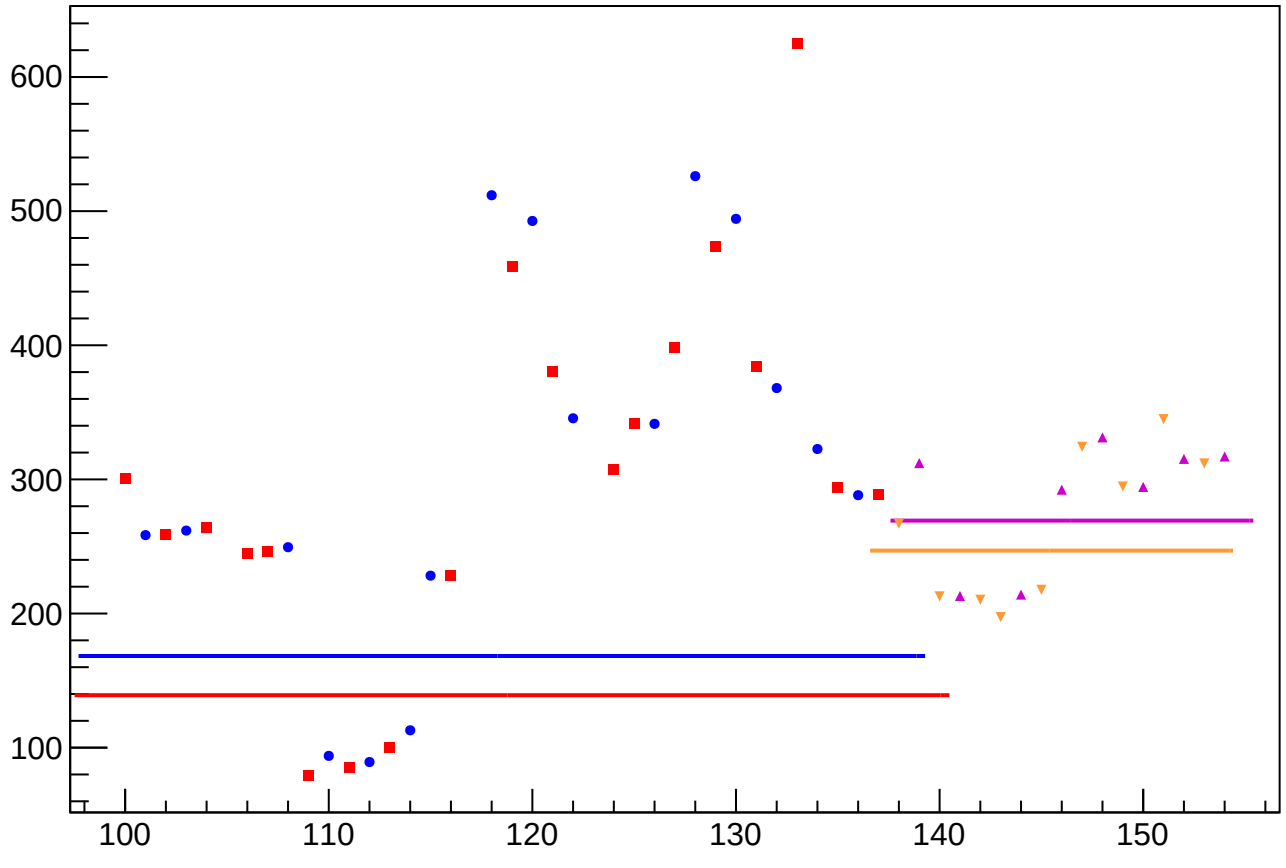
Left: -131.837+/-70.206 χ^2/NDF: 32.2/16

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -54.613+/-61.378 χ^2/NDF:29.4/23

Out: -93.112+/-53.217 χ^2/NDF:34.6/27

All: -76.591+/-40.208 χ^2/NDF: 64.3/51



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: 269.261+/-0.073 χ^2/NDF:432059.5/7

Left: 257.178+/-0.050 χ^2/NDF: 1035776.7/16

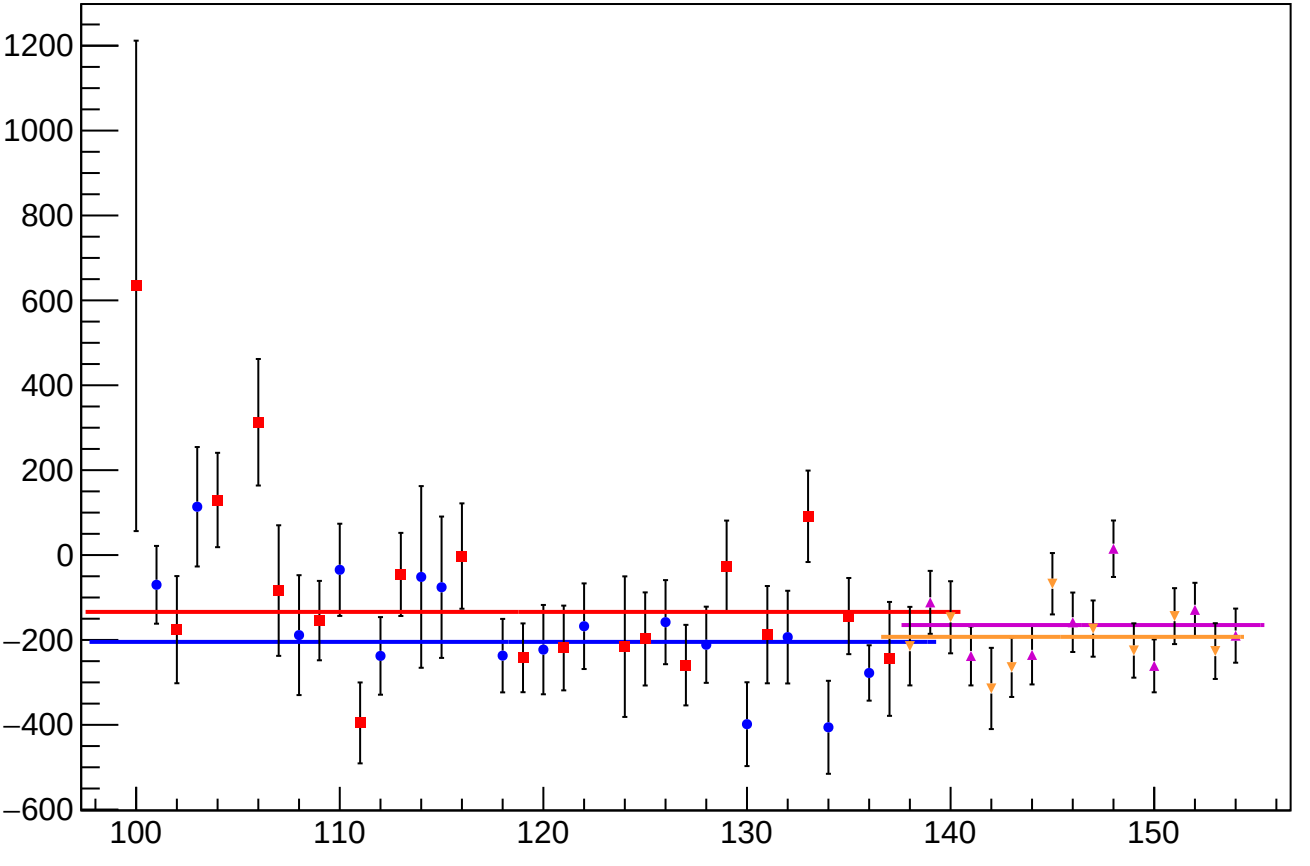
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 203.797+/-0.043 χ^2/NDF:6208786.3/23

Out: 172.565+/-0.038 χ^2/NDF:7439757.1/27

All: 185.968+/-0.028 χ^2/NDF: 13944167.2/51

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: -164.884+/-23.728 χ^2/NDF:12.8/7

Left: -178.471+/-16.976 χ^2/NDF: 20.6/16

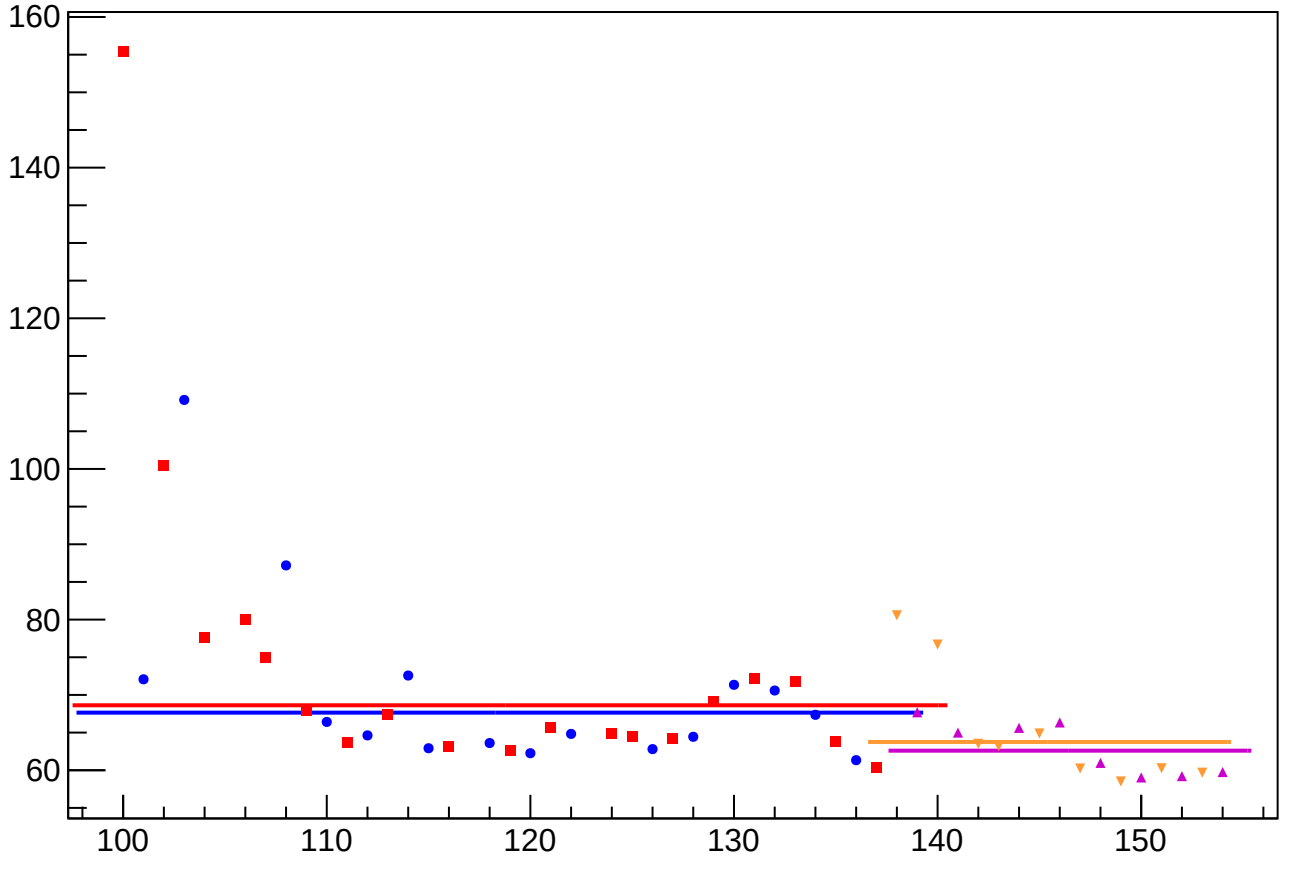
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -183.286+/-17.378 χ^2/NDF:34.1/23

Out: -164.722+/-17.585 χ^2/NDF:47.2/27

All: -174.113+/-12.361 χ^2/NDF: 81.8/51

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: 62.600+/-0.017 χ^2/NDF:38631.3/7

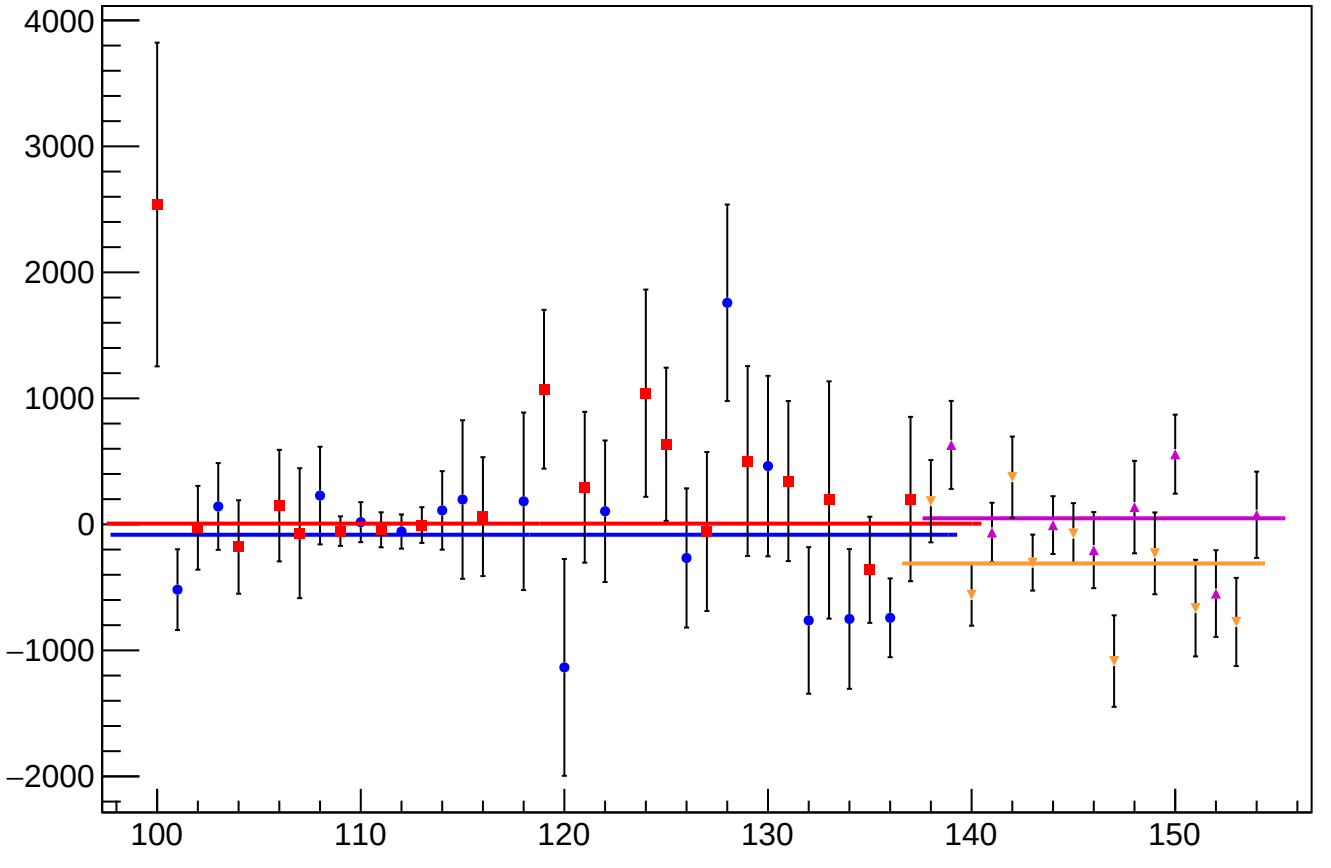
Left: 63.164+/-0.012 χ^2/NDF: 186406.9/16

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.940+/-0.012 χ^2/NDF:344263.8/23

Out: 66.073+/-0.012 χ^2/NDF:431869.1/27

All: 65.500+/-0.009 χ^2/NDF: 780338.6/51



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: 48.189+/-104.980 χ^2/NDF:9.5/7

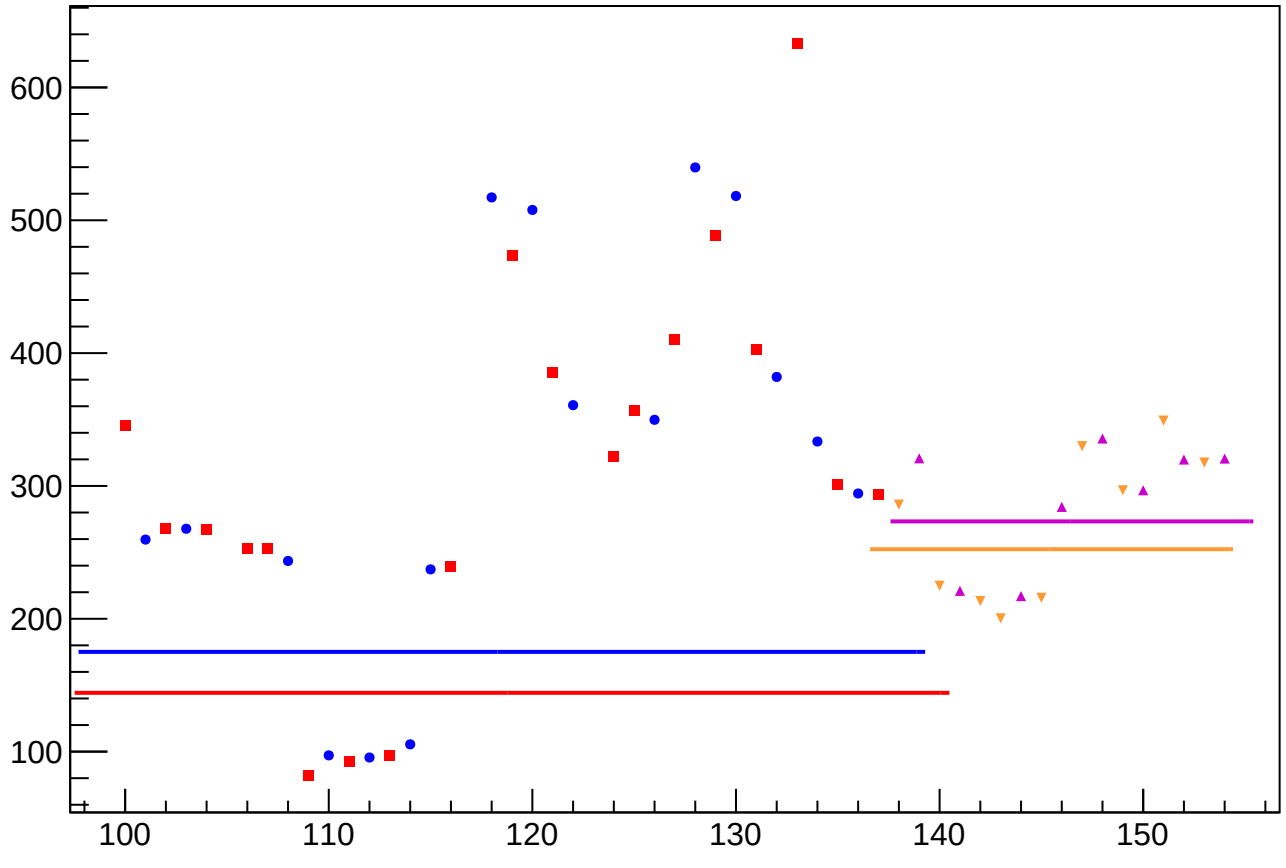
Left: -143.995+/-71.456 χ^2/NDF: 31.8/16

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -35.323+/-62.958 χ^2/NDF:29.7/23

Out: -92.985+/-54.611 χ^2/NDF:35.3/27

All: -68.227+/-41.253 χ^2/NDF: 65.5/51



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: 273.310+/-0.074 χ^2/NDF:401870.7/7

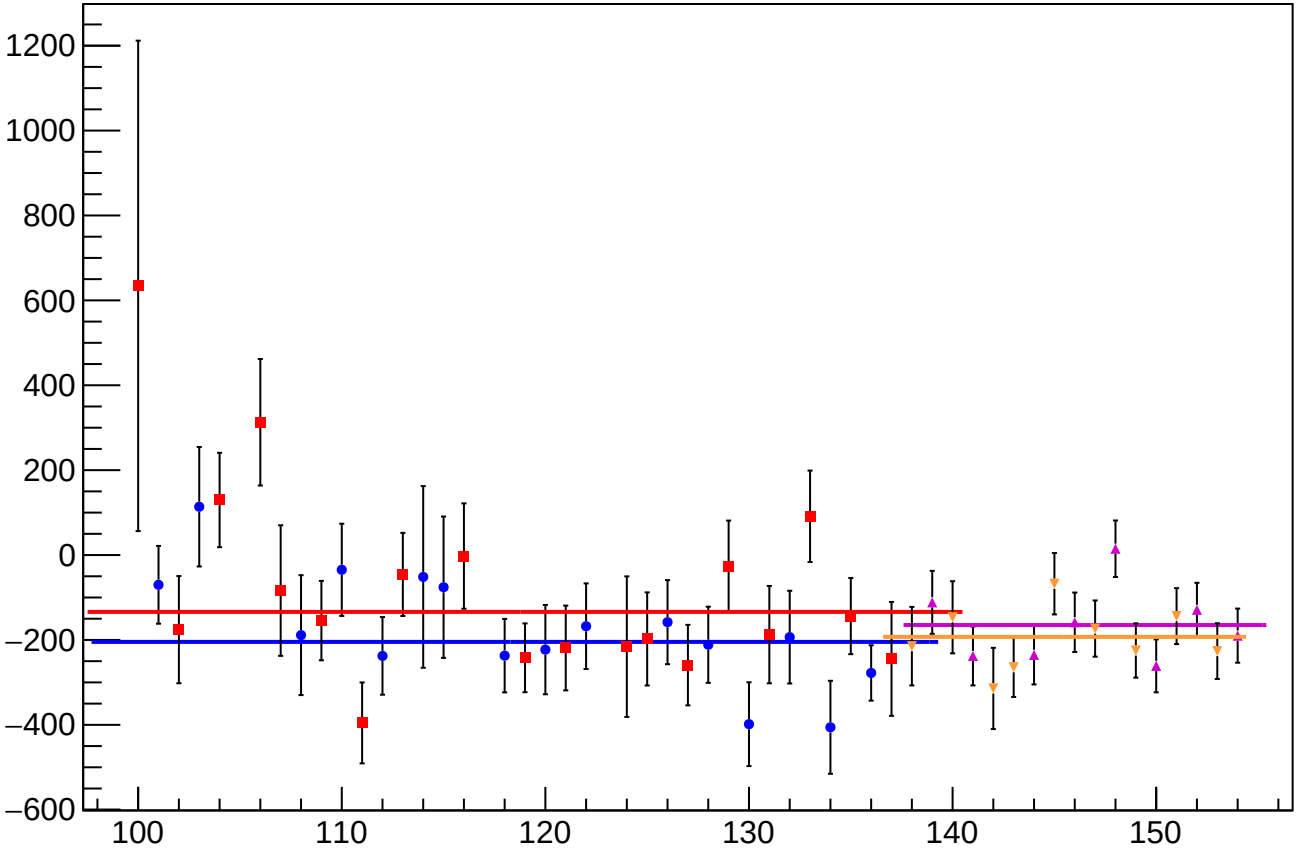
Left: 262.082+/-0.051 χ^2/NDF: 1001727.3/16

Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 210.421+/-0.045 χ^2/NDF:5951808.5/23

Out: 178.168+/-0.039 χ^2/NDF:7376587.4/27

All: 192.016+/-0.029 χ^2/NDF: 13627931.9/51



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: -164.884+/-23.728 χ^2/NDF:12.8/7

Left: -178.471+/-16.976 χ^2/NDF: 20.6/16

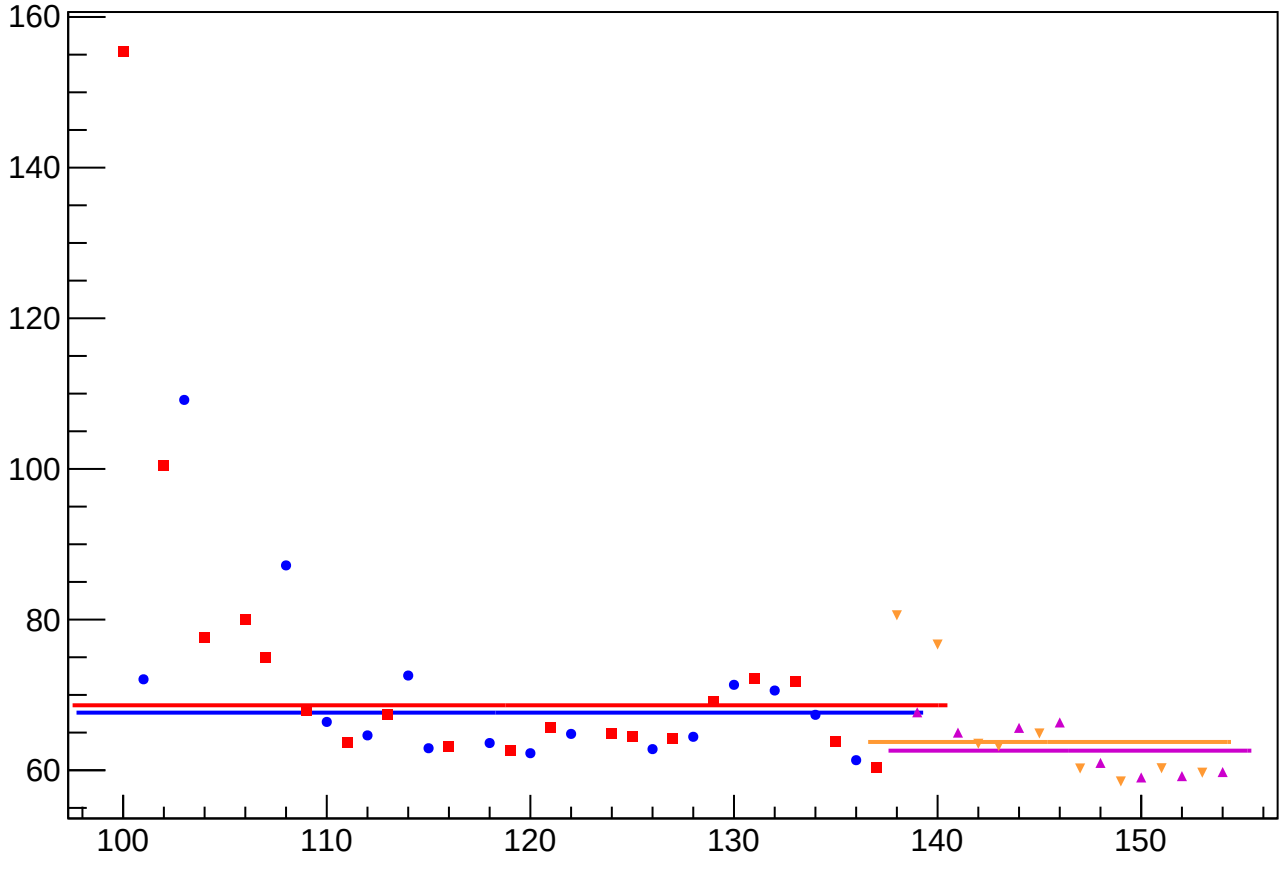
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -183.286+/-17.378 χ^2/NDF:34.1/23

Out: -164.722+/-17.585 χ^2/NDF:47.2/27

All: -174.114+/-12.361 χ^2/NDF: 81.8/51

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: 62.600+/-0.017 χ^2/NDF:38631.8/7

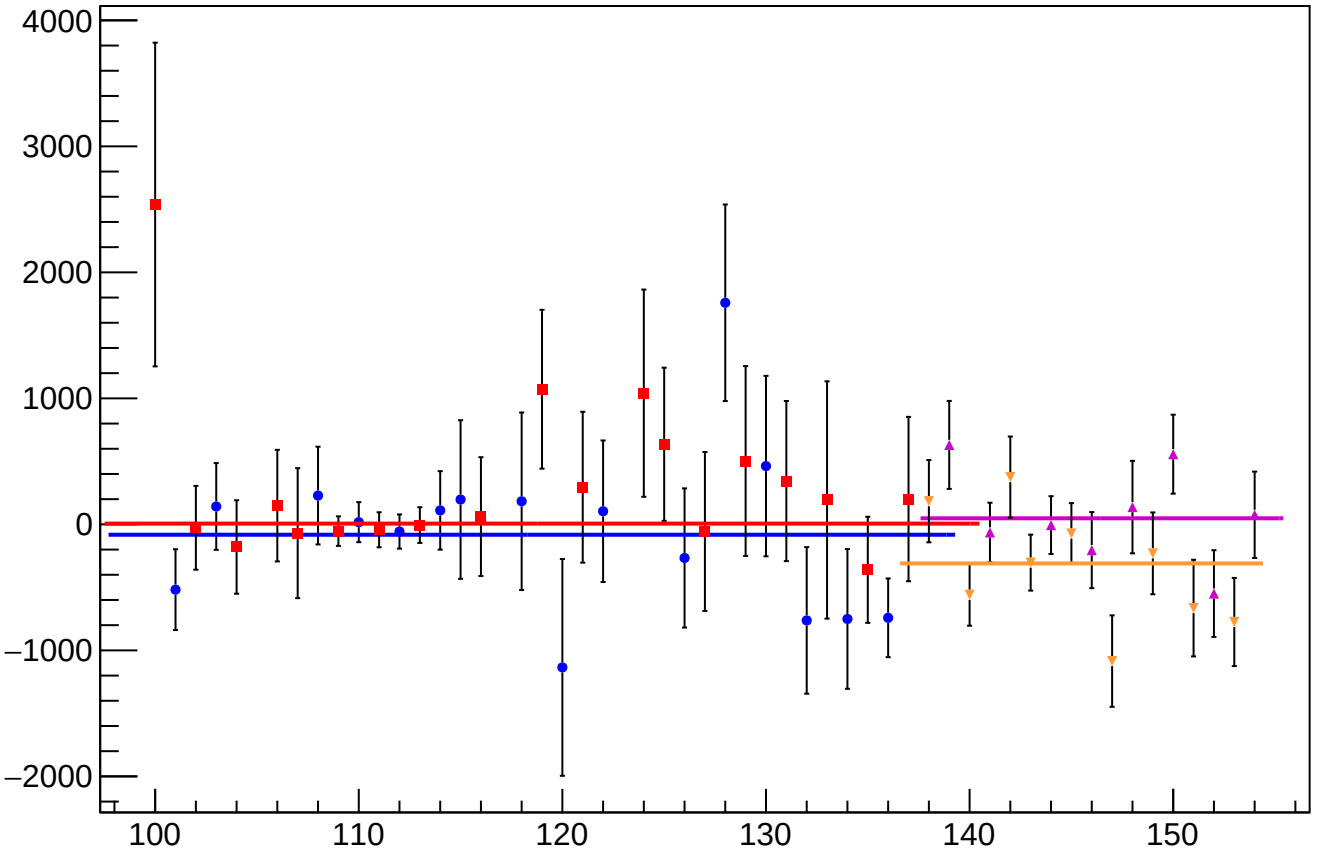
Left: 63.164+/-0.012 χ^2/NDF: 186406.2/16

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.940+/-0.012 χ^2/NDF:344259.1/23

Out: 66.073+/-0.012 χ^2/NDF:431864.9/27

All: 65.500+/-0.009 χ^2/NDF: 780329.7/51



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: 48.189+/-104.979 χ^2/NDF:9.5/7

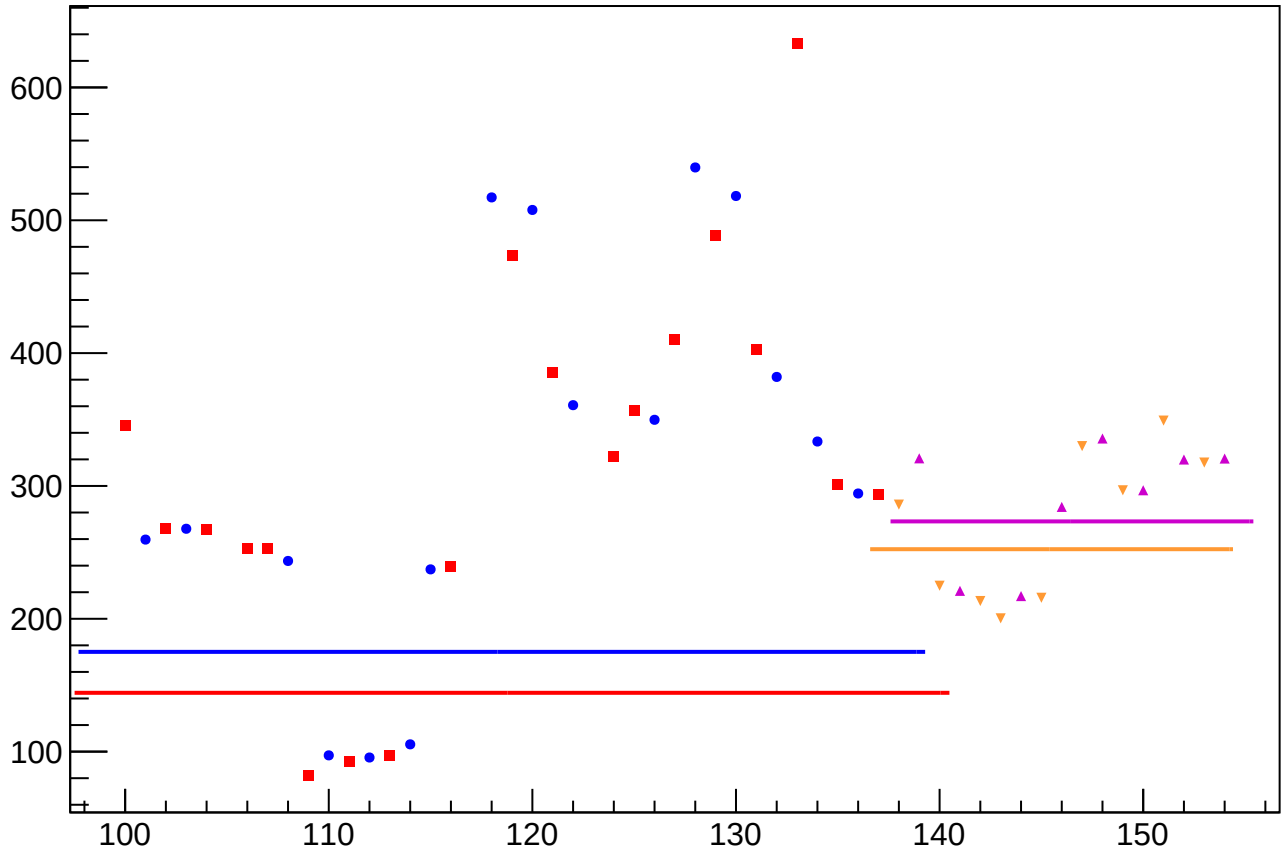
Left: -143.995+/-71.455 χ^2/NDF: 31.8/16

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -35.322+/-62.957 χ^2/NDF:29.7/23

Out: -92.986+/-54.611 χ^2/NDF:35.3/27

All: -68.227+/-41.253 χ^2/NDF: 65.5/51



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: 273.309+/-0.074 χ^2/NDF:401869.9/7

Left: 262.081+/-0.051 χ^2/NDF: 1001731.1/16

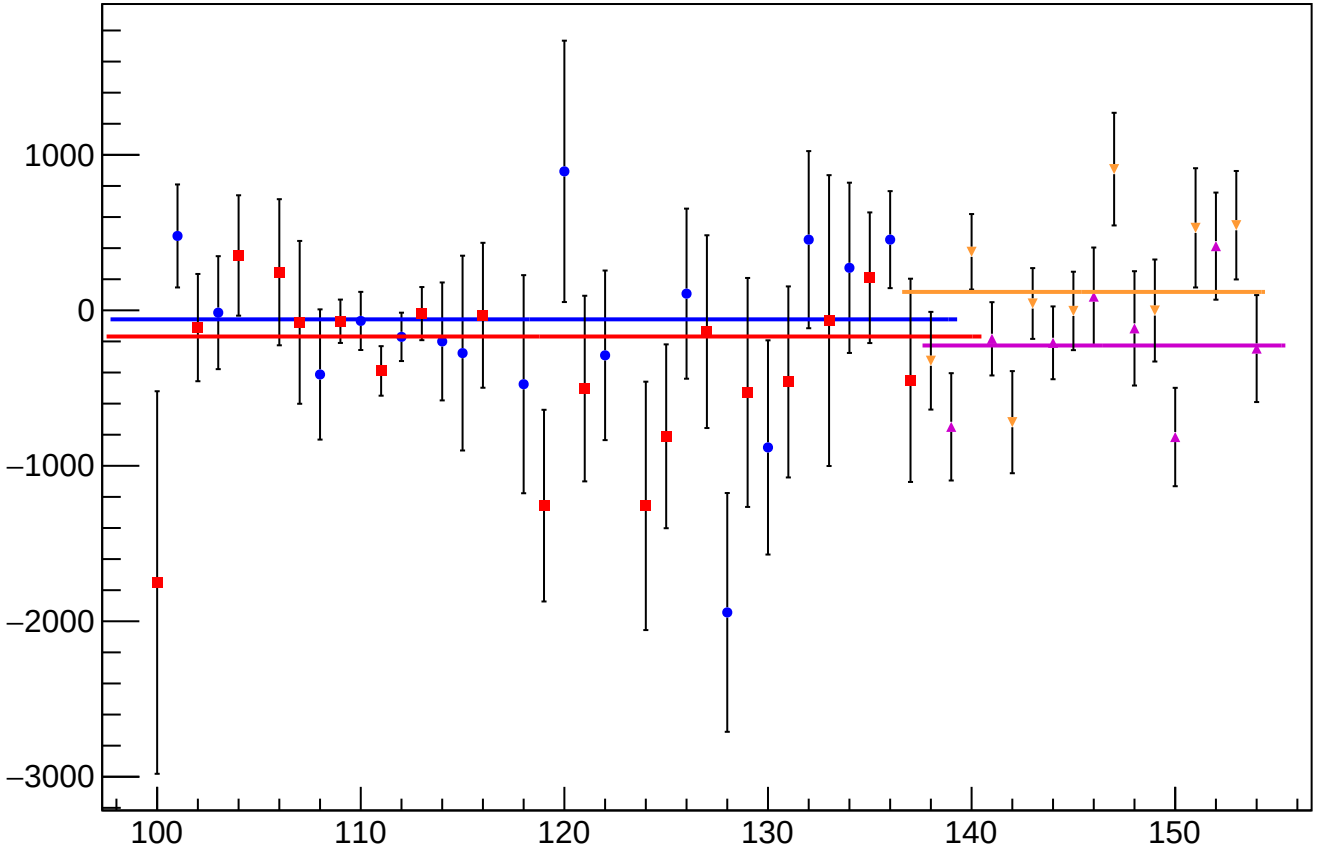
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 210.420+/-0.045 χ^2/NDF:5951849.1/23

Out: 178.167+/-0.039 χ^2/NDF:7376557.6/27

All: 192.015+/-0.029 χ^2/NDF: 13627929.1/51

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: -226.137+/-106.041 χ^2/NDF:10.3/7

Left: -40.936+/-72.123 χ^2/NDF: 33.5/16

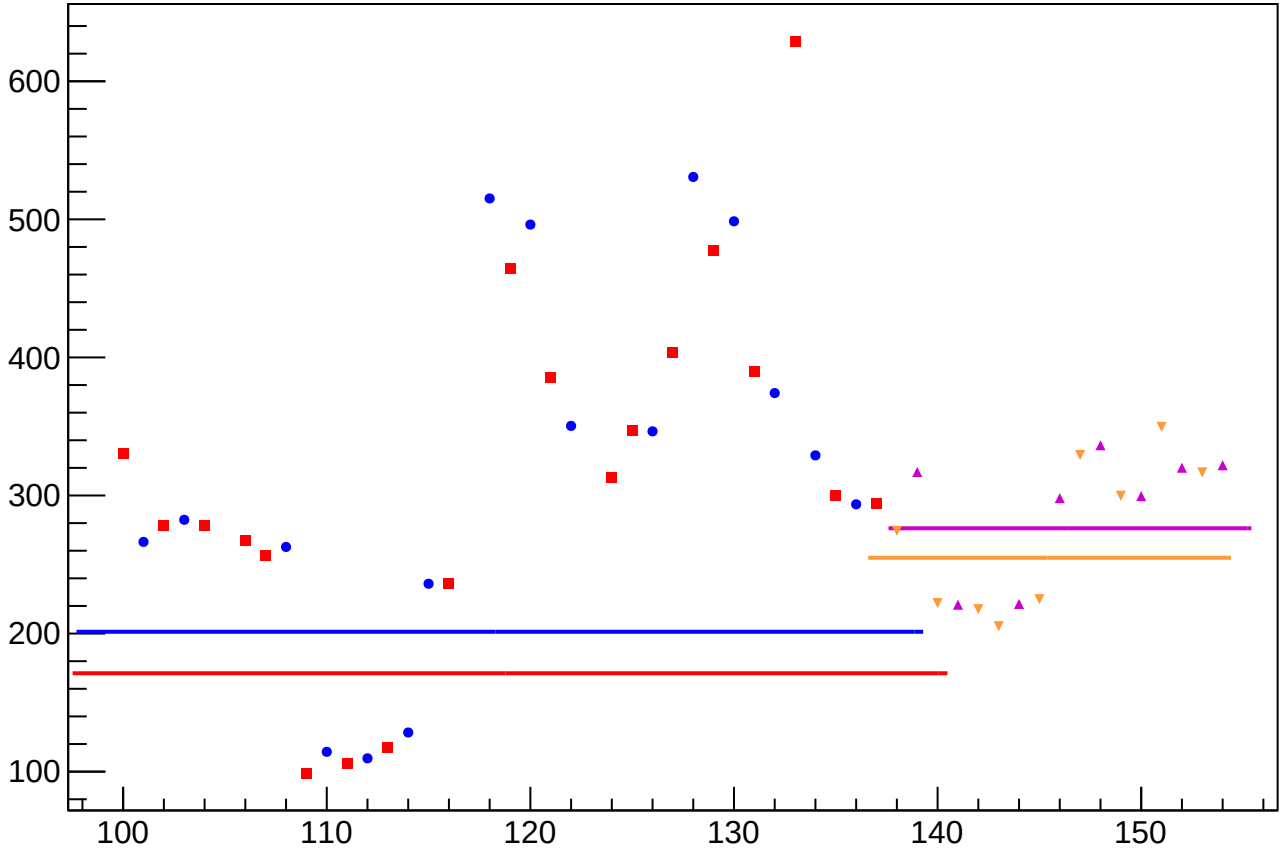
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -125.524+/-67.209 χ^2/NDF:29.2/23

Out: -63.624+/-59.443 χ^2/NDF:38.4/27

All: -90.793+/-44.526 χ^2/NDF: 68.1/51

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: 276.252+/-0.075 χ^2/NDF:389179.0/7

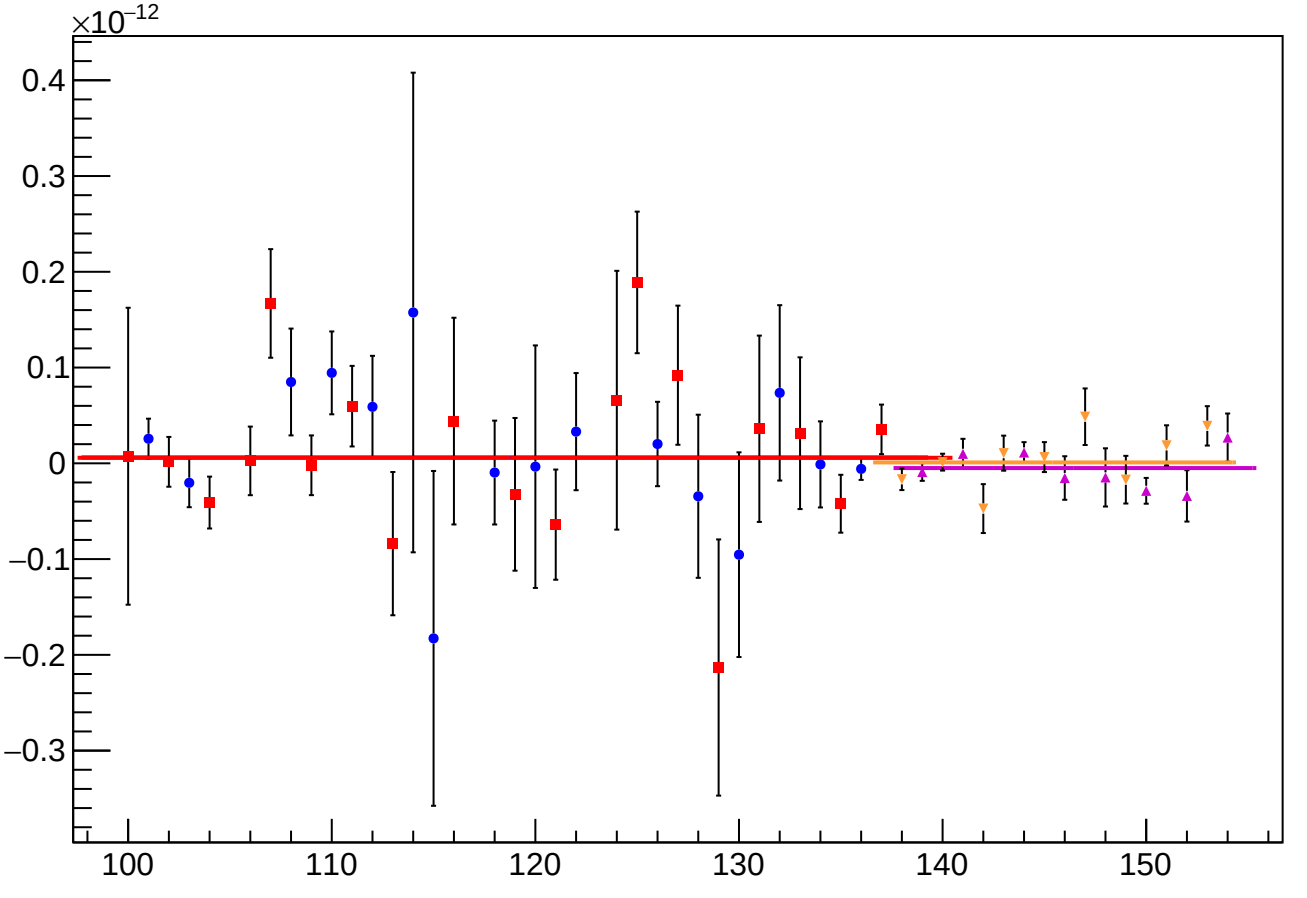
Left: 264.790+/-0.051 χ^2/NDF: 932673.2/16

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 231.410+/-0.048 χ^2/NDF:4559165.5/23

Out: 201.795+/-0.042 χ^2/NDF:5611056.6/27

All: 214.793+/-0.031 χ^2/NDF: 10388100.3/51



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:9.6/7

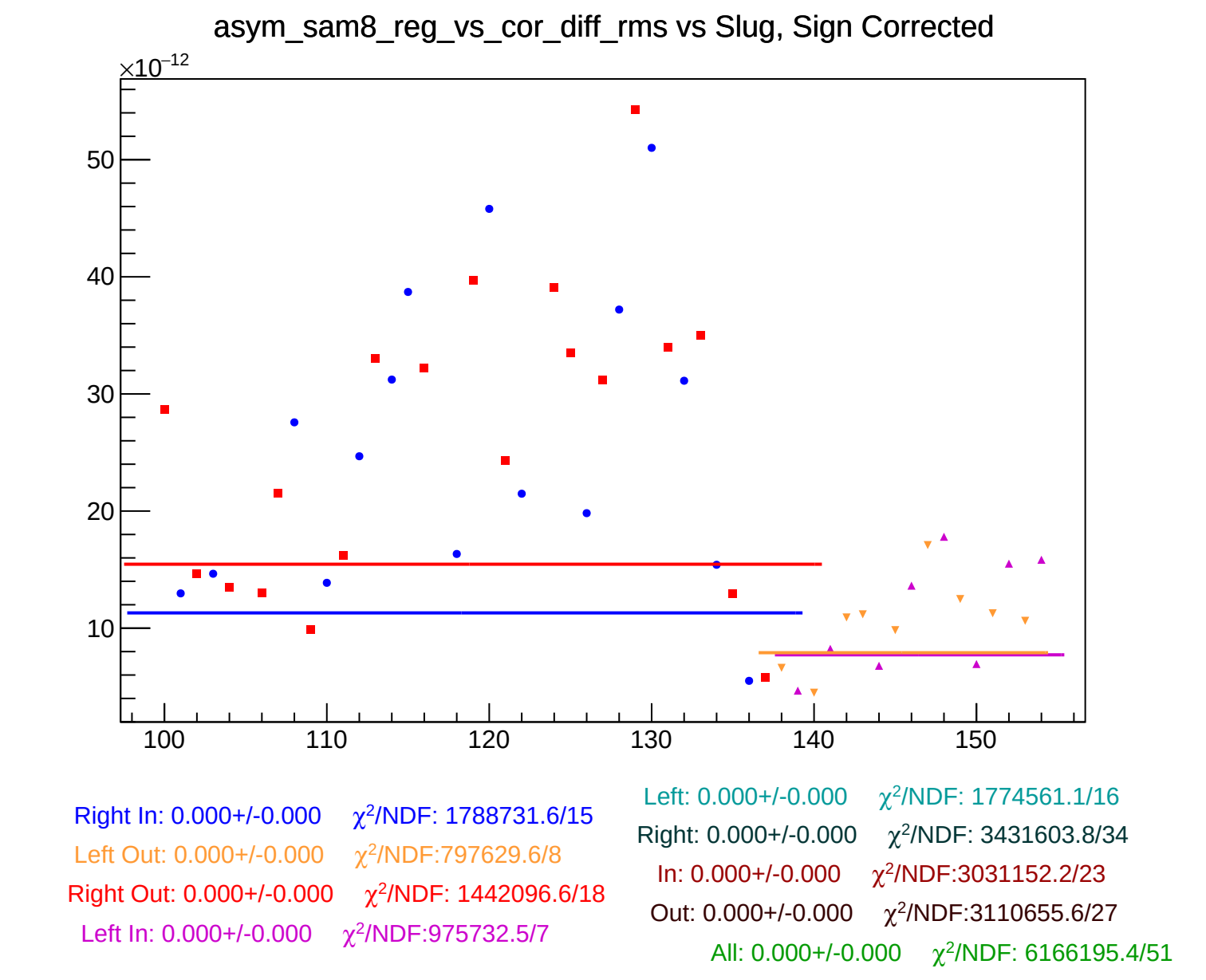
Left: -0.000+/-0.000 χ^2/NDF: 23.9/16

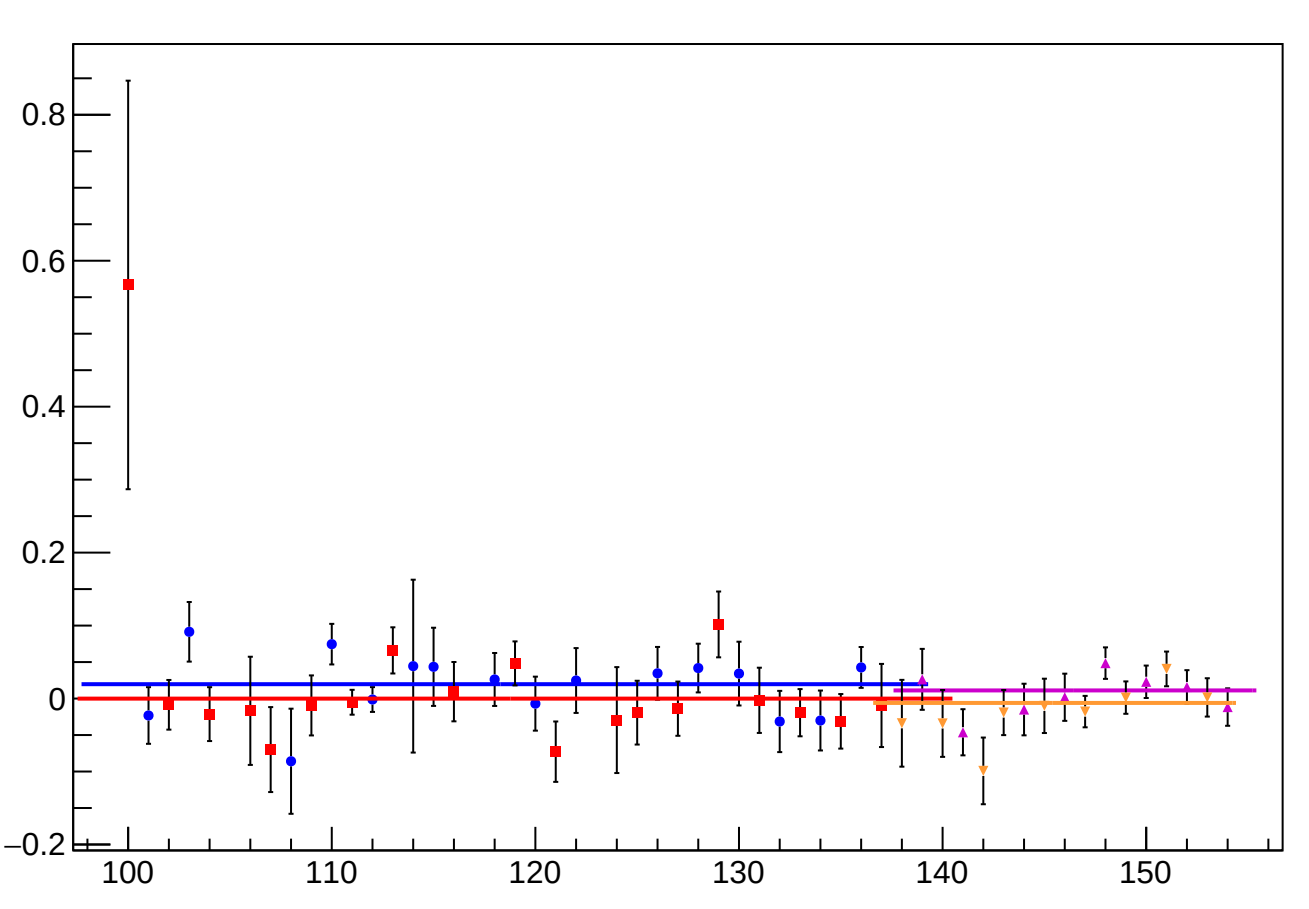
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:24.6/23

Out: 0.000+/-0.000 χ^2/NDF:44.4/27

All: 0.000+/-0.000 χ^2/NDF: 69.4/51


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:975732.5/7
Left: 0.000+/-0.000 χ²/NDF: 1774561.1/16
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3031152.2/23
Out: 0.000+/-0.000 χ²/NDF:3110655.6/27
All: 0.000+/-0.000 χ²/NDF: 6166195.4/51



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: 0.011+/-0.010 χ^2/NDF:8.2/7

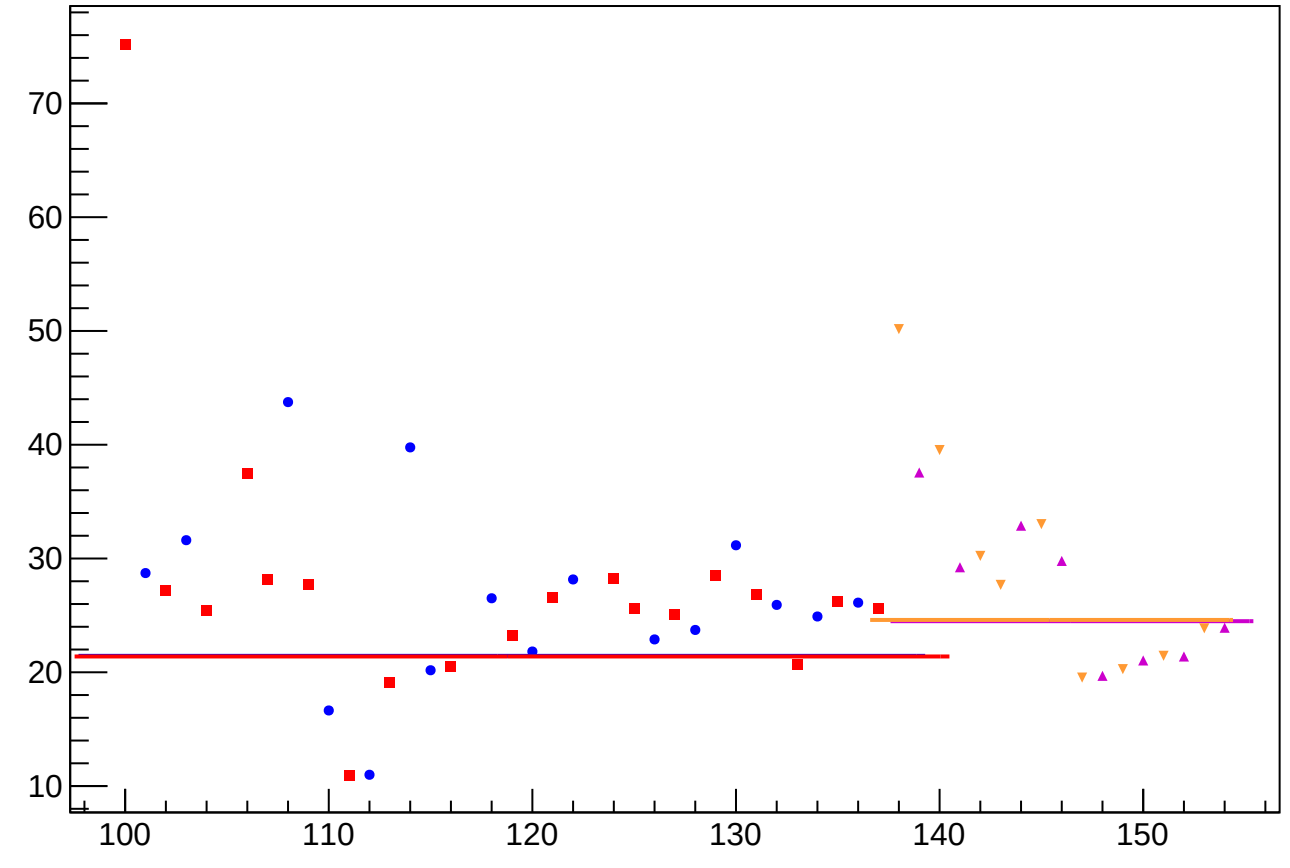
Left: 0.003+/-0.007 χ^2/NDF: 19.0/16

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.006 χ^2/NDF:25.6/23

Out: -0.003+/-0.006 χ^2/NDF:32.3/27

All: 0.007+/-0.005 χ^2/NDF: 62.1/51



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: 24.491+/-0.007 χ^2/NDF:591614.6/7

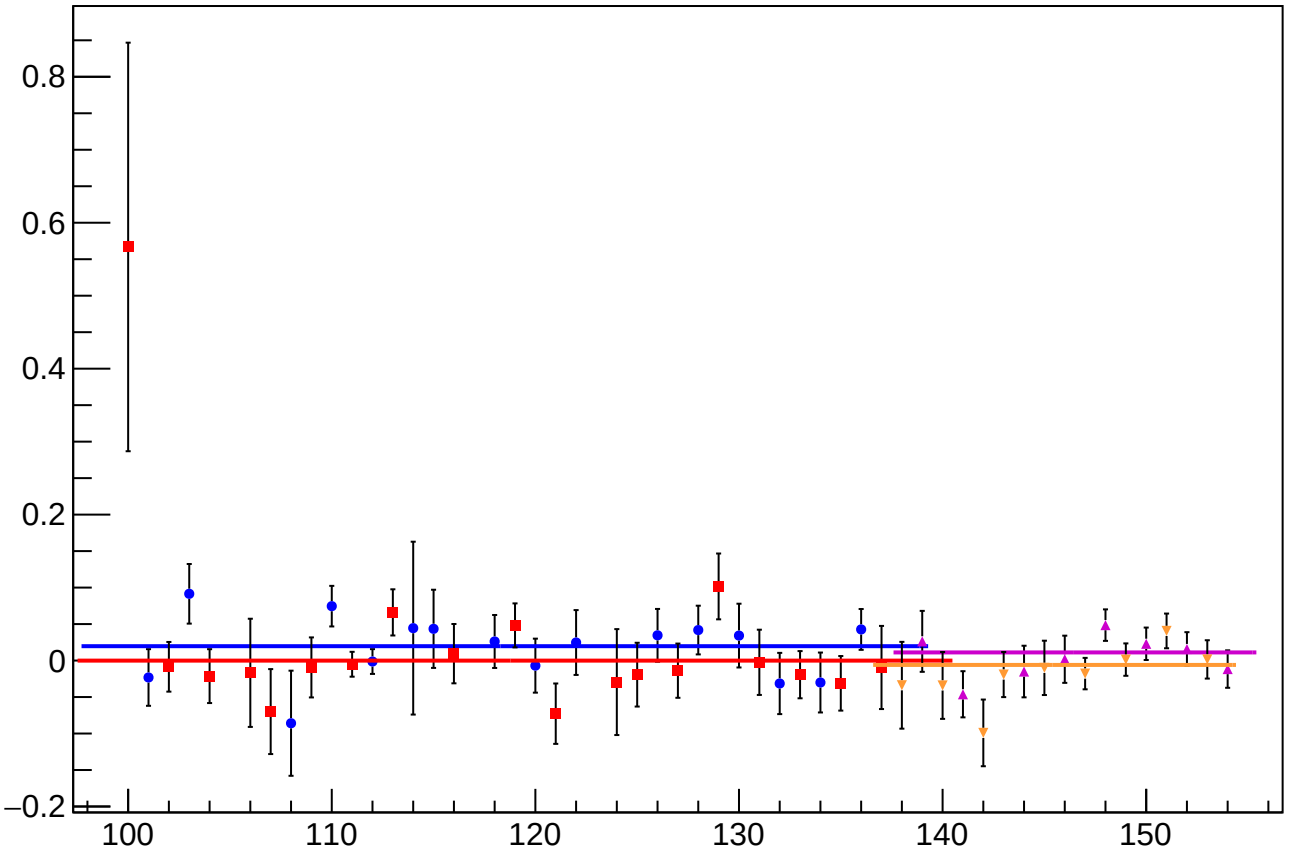
Left: 24.545+/-0.005 χ^2/NDF: 1549374.1/16

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.819+/-0.005 χ^2/NDF:2243462.2/23

Out: 22.769+/-0.005 χ^2/NDF:2391972.1/27

All: 22.794+/-0.003 χ^2/NDF: 4635495.1/51



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: 0.011+/-0.010 χ^2/NDF:8.2/7

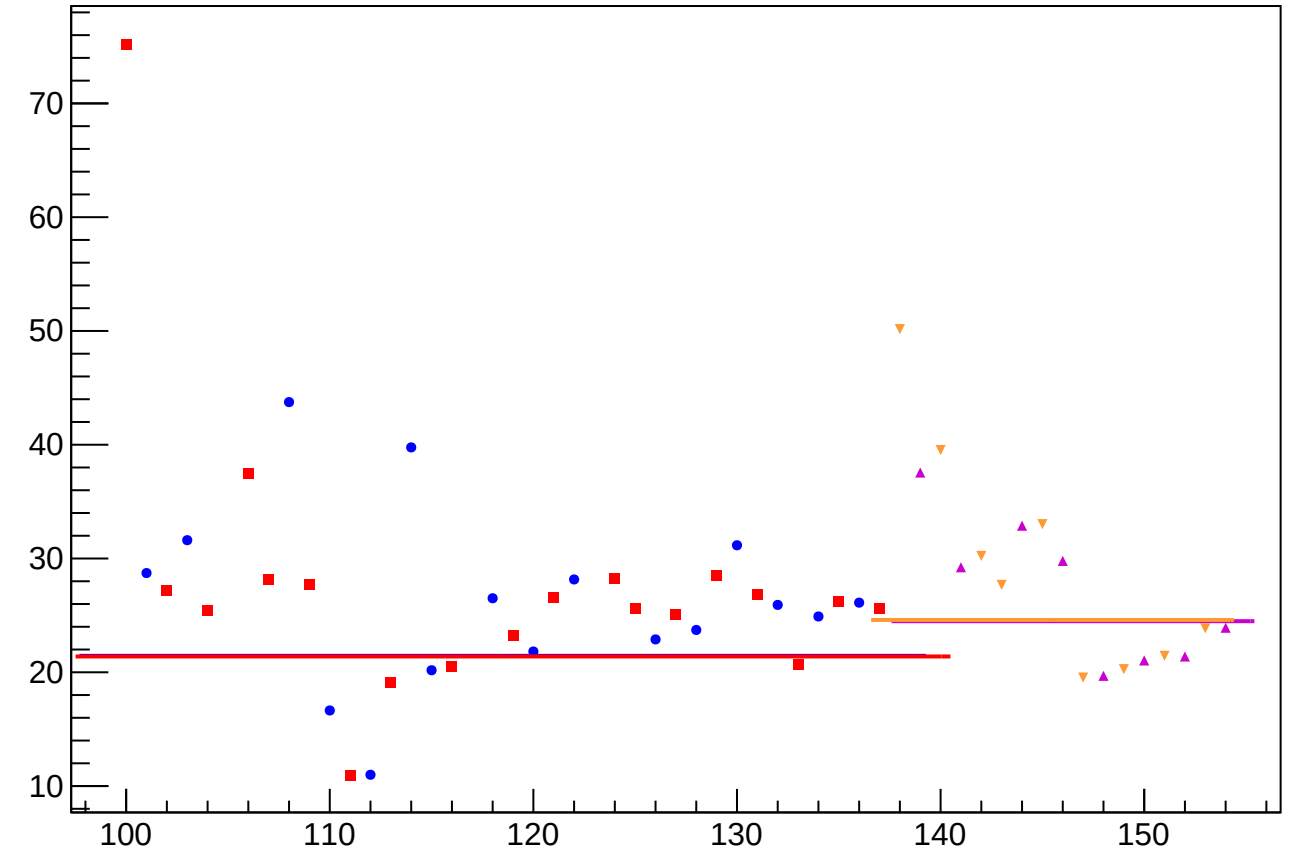
Left: 0.003+/-0.007 χ^2/NDF: 19.0/16

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.006 χ^2/NDF:25.6/23

Out: -0.003+/-0.006 χ^2/NDF:32.3/27

All: 0.007+/-0.005 χ^2/NDF: 62.1/51



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: 24.491+/-0.007 χ^2/NDF:591614.6/7

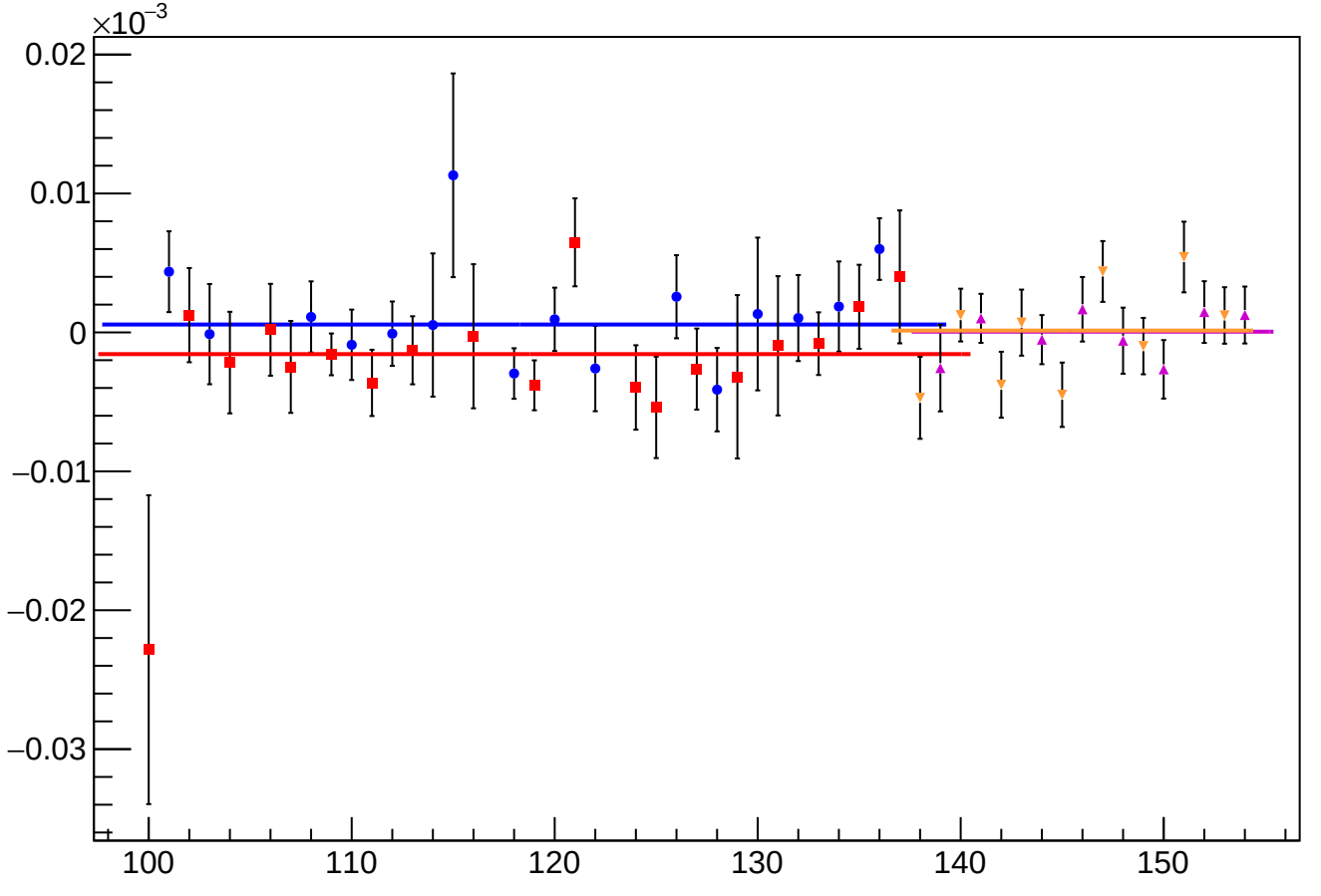
Left: 24.545+/-0.005 χ^2/NDF: 1549374.1/16

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.819+/-0.005 χ^2/NDF:2243462.2/23

Out: 22.769+/-0.005 χ^2/NDF:2391972.1/27

All: 22.794+/-0.003 χ^2/NDF: 4635495.1/51



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:4.1/7

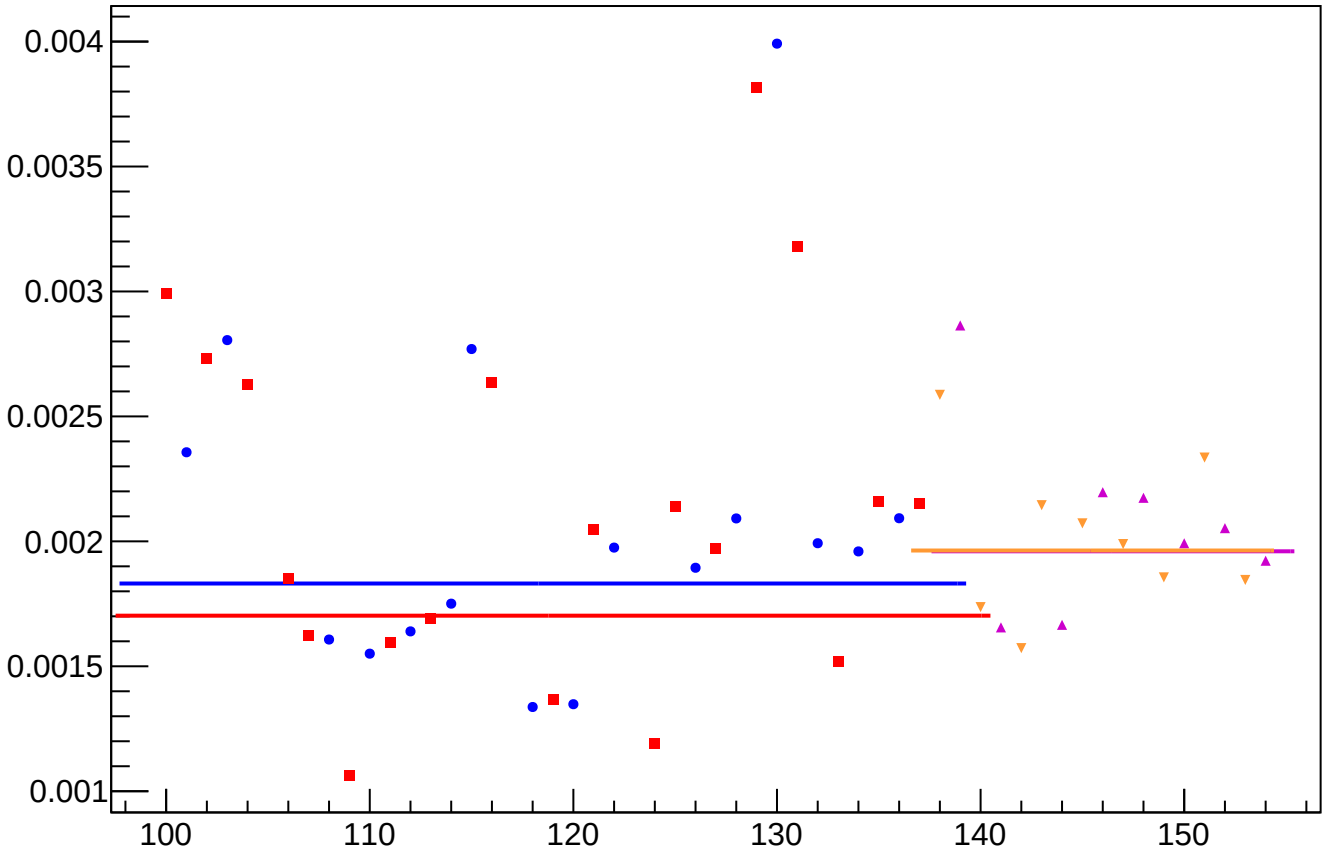
Left: 0.000+/-0.000 χ^2/NDF: 22.6/16

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:22.6/23

Out: -0.000+/-0.000 χ^2/NDF:39.6/27

All: -0.000+/-0.000 χ^2/NDF: 64.8/51



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:324980.9/7

Left: 0.002+/-0.000 χ^2/NDF: 568247.0/16

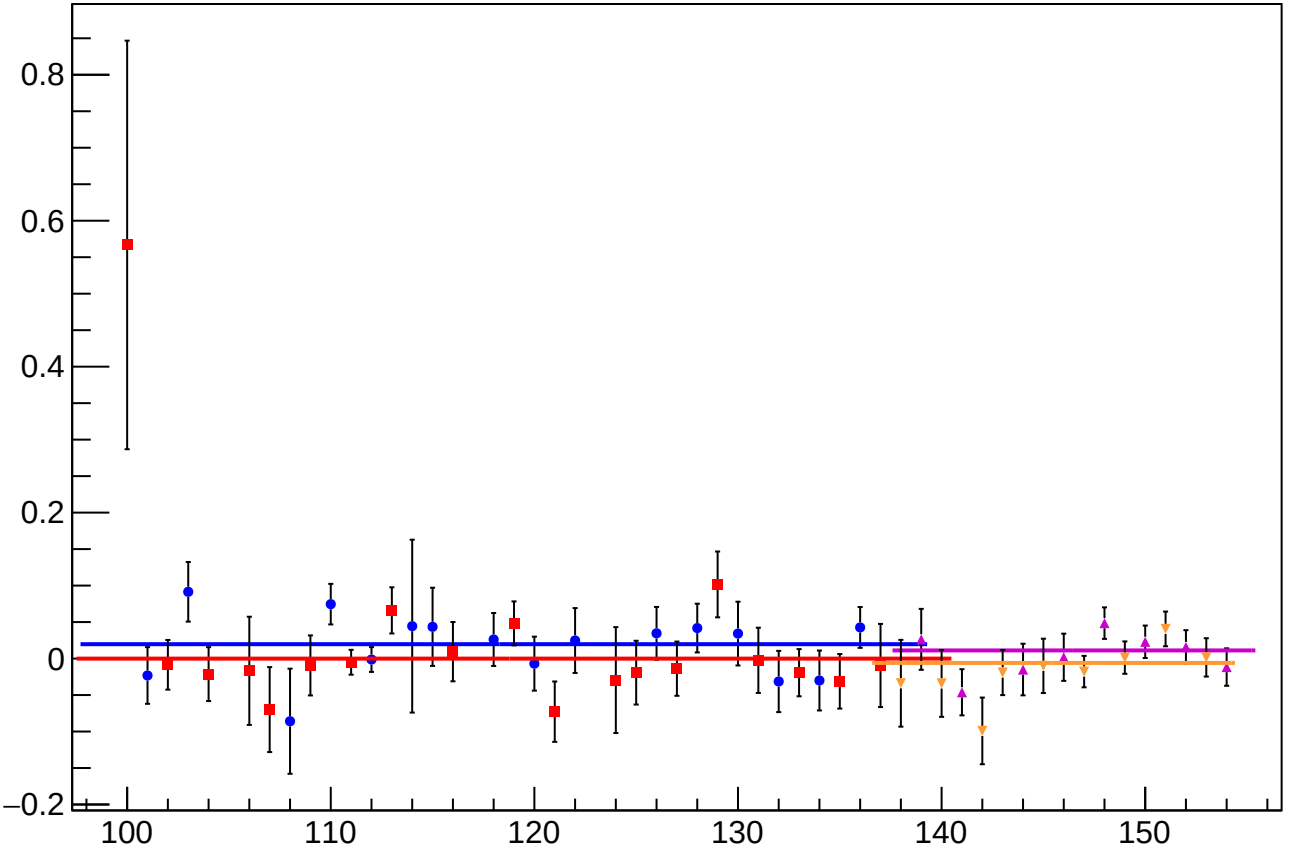
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1256648.1/23

Out: 0.002+/-0.000 χ^2/NDF:1857886.0/27

All: 0.002+/-0.000 χ^2/NDF: 3136906.7/51

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.010 χ^2/NDF:9.3/8

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.010 χ^2/NDF:8.2/7

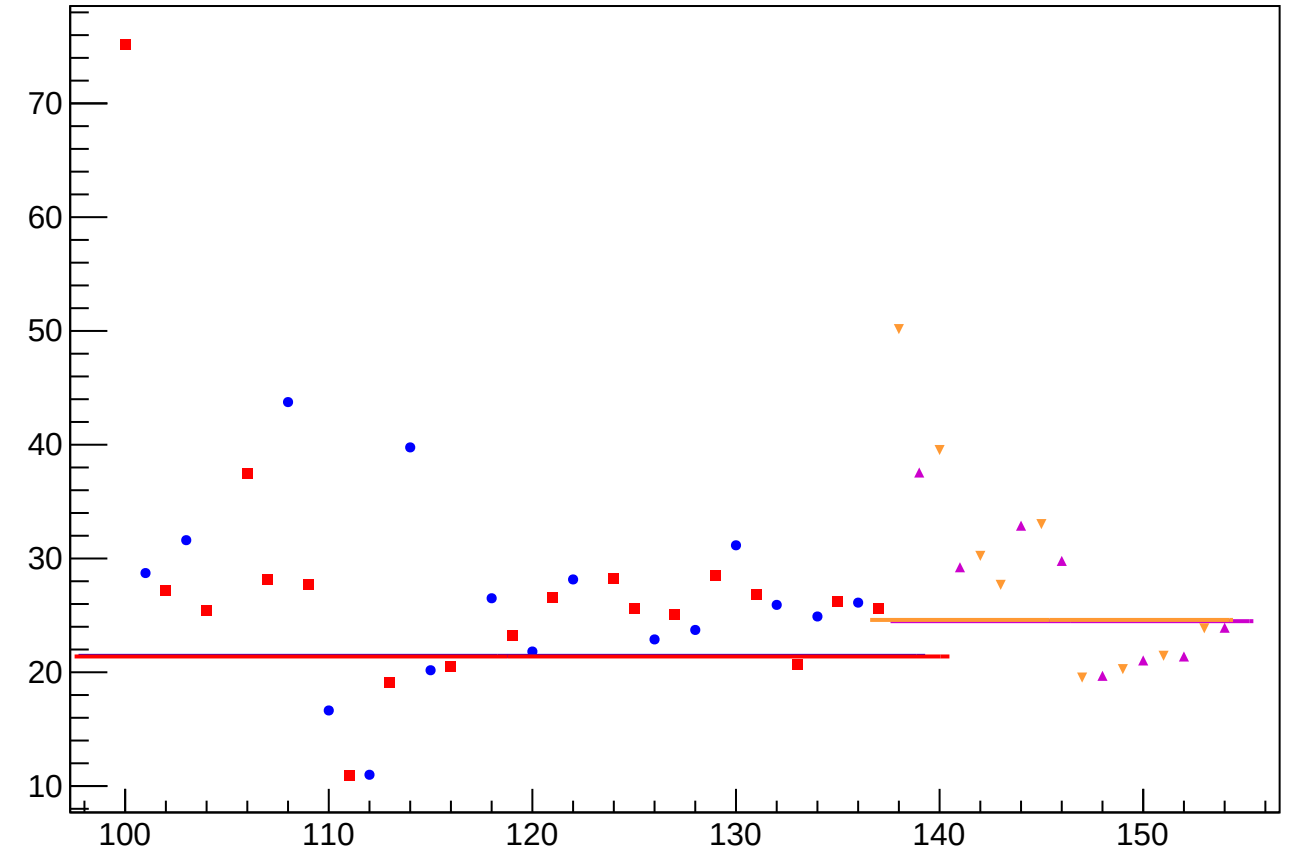
Left: 0.003+/-0.007 χ^2/NDF: 19.0/16

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.006 χ^2/NDF:25.6/23

Out: -0.003+/-0.006 χ^2/NDF:32.3/27

All: 0.007+/-0.005 χ^2/NDF: 62.1/51



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: 24.492+/-0.007 χ^2/NDF:591607.3/7

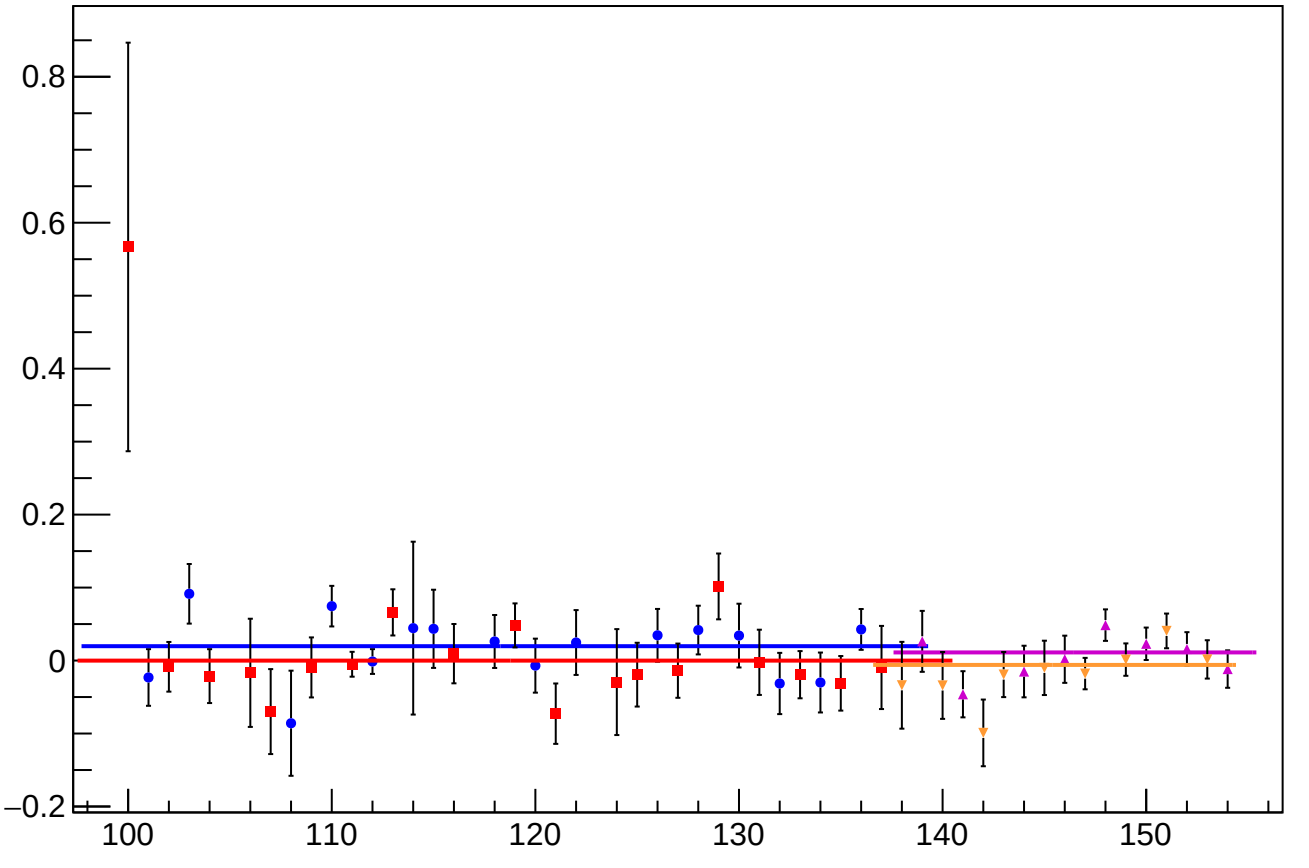
Left: 24.545+/-0.005 χ^2/NDF: 1549359.7/16

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.819+/-0.005 χ^2/NDF:2243668.7/23

Out: 22.768+/-0.005 χ^2/NDF:2392155.2/27

All: 22.793+/-0.003 χ^2/NDF: 4635884.7/51



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: 0.011+/-0.010 χ^2/NDF:8.2/7

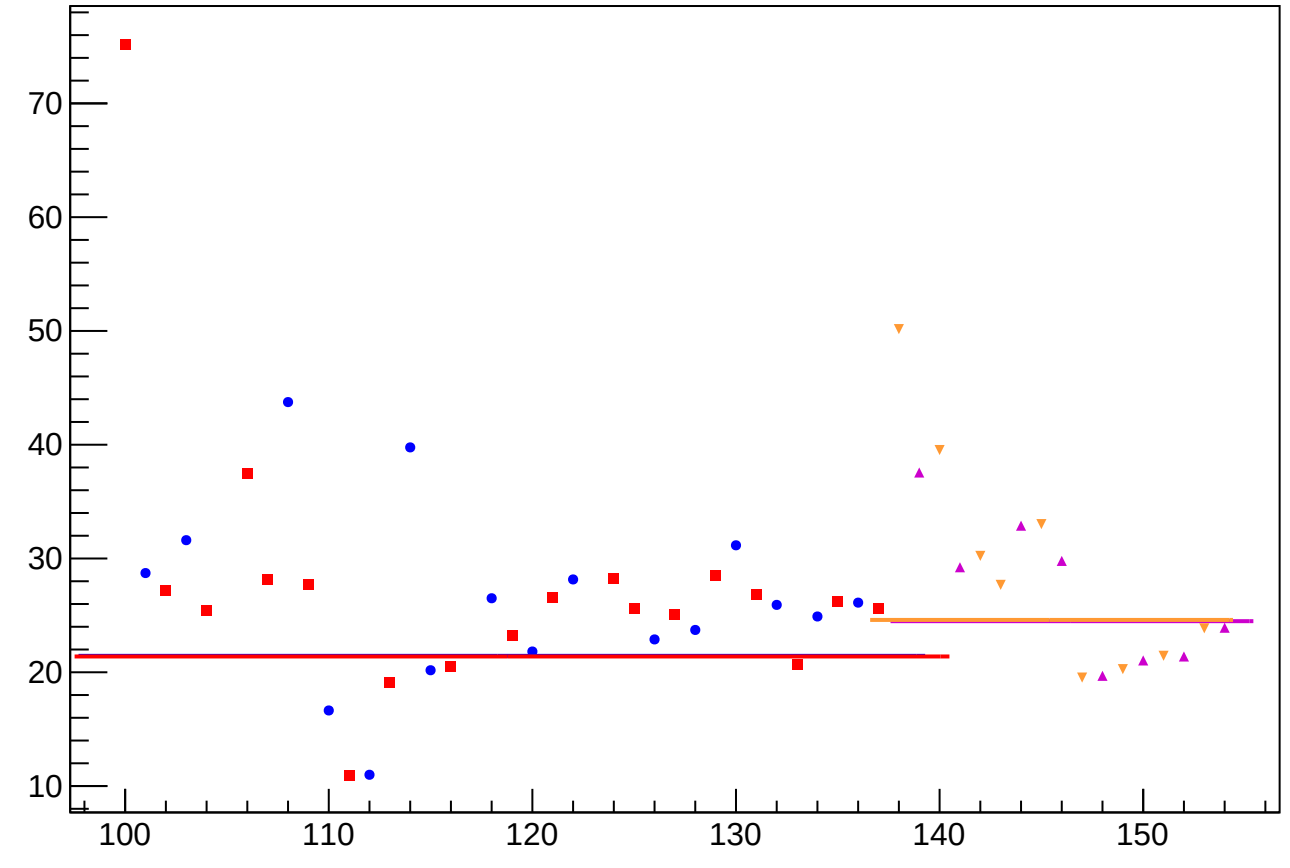
Left: 0.003+/-0.007 χ^2/NDF: 19.0/16

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.006 χ^2/NDF:25.6/23

Out: -0.003+/-0.006 χ^2/NDF:32.3/27

All: 0.007+/-0.005 χ^2/NDF: 62.1/51



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: 24.492+/-0.007 χ^2/NDF:591607.3/7

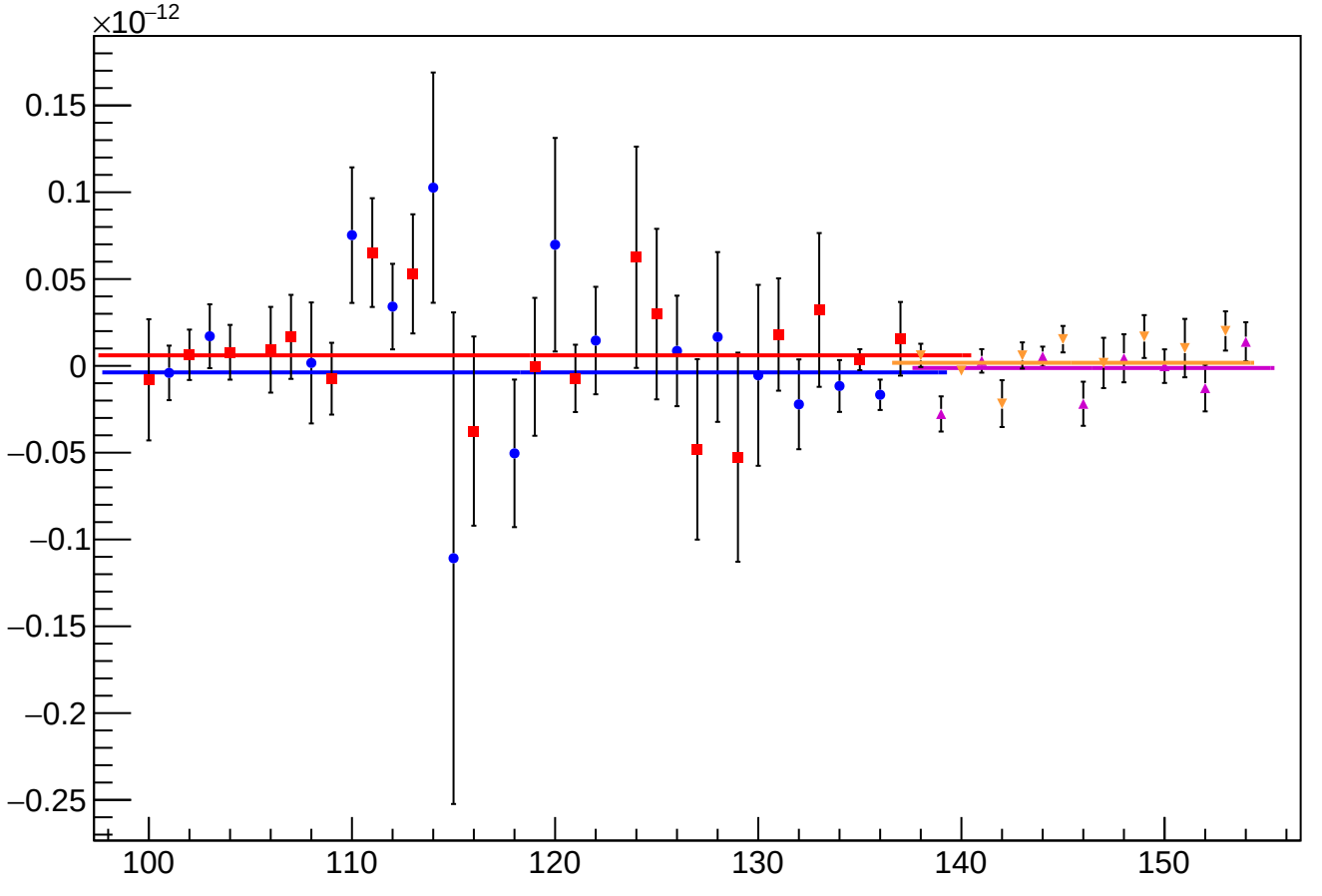
Left: 24.545+/-0.005 χ^2/NDF: 1549359.7/16

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.819+/-0.005 χ^2/NDF:2243668.7/23

Out: 22.768+/-0.005 χ^2/NDF:2392155.2/27

All: 22.793+/-0.003 χ^2/NDF: 4635884.7/51



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:13.9/7

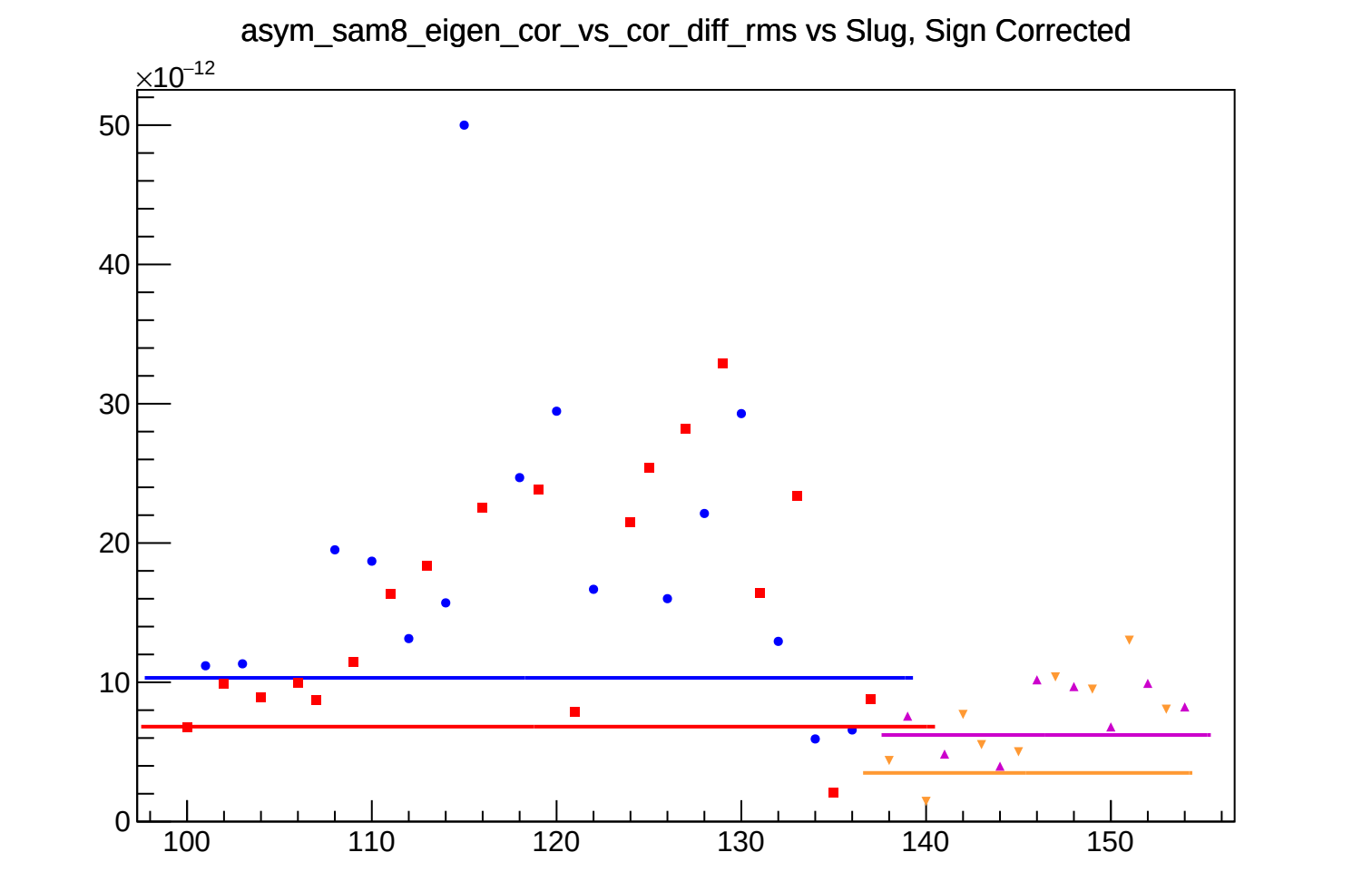
Left: 0.000+/-0.000 χ^2/NDF: 28.3/16

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:31.2/23

Out: 0.000+/-0.000 χ^2/NDF:25.9/27

All: 0.000+/-0.000 χ^2/NDF: 58.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3356207.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:969221.8/7

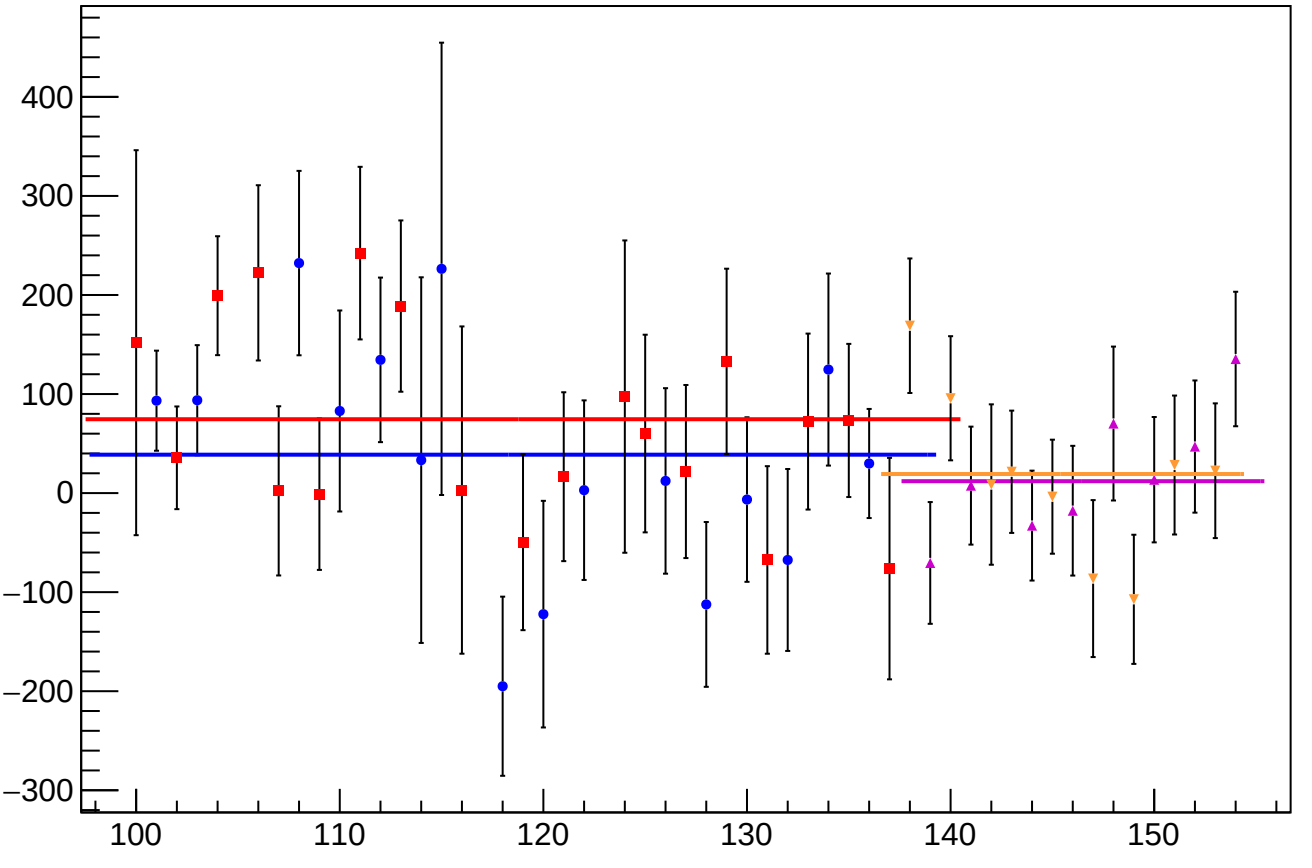
Left: 0.000+/-0.000 χ^2/NDF: 5309518.4/16

Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:3751134.3/23

Out: 0.000+/-0.000 χ^2/NDF:8311103.6/27

All: 0.000+/-0.000 χ^2/NDF: 13711857.3/51



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: 12.028+/-22.578 χ^2/NDF:6.8/7

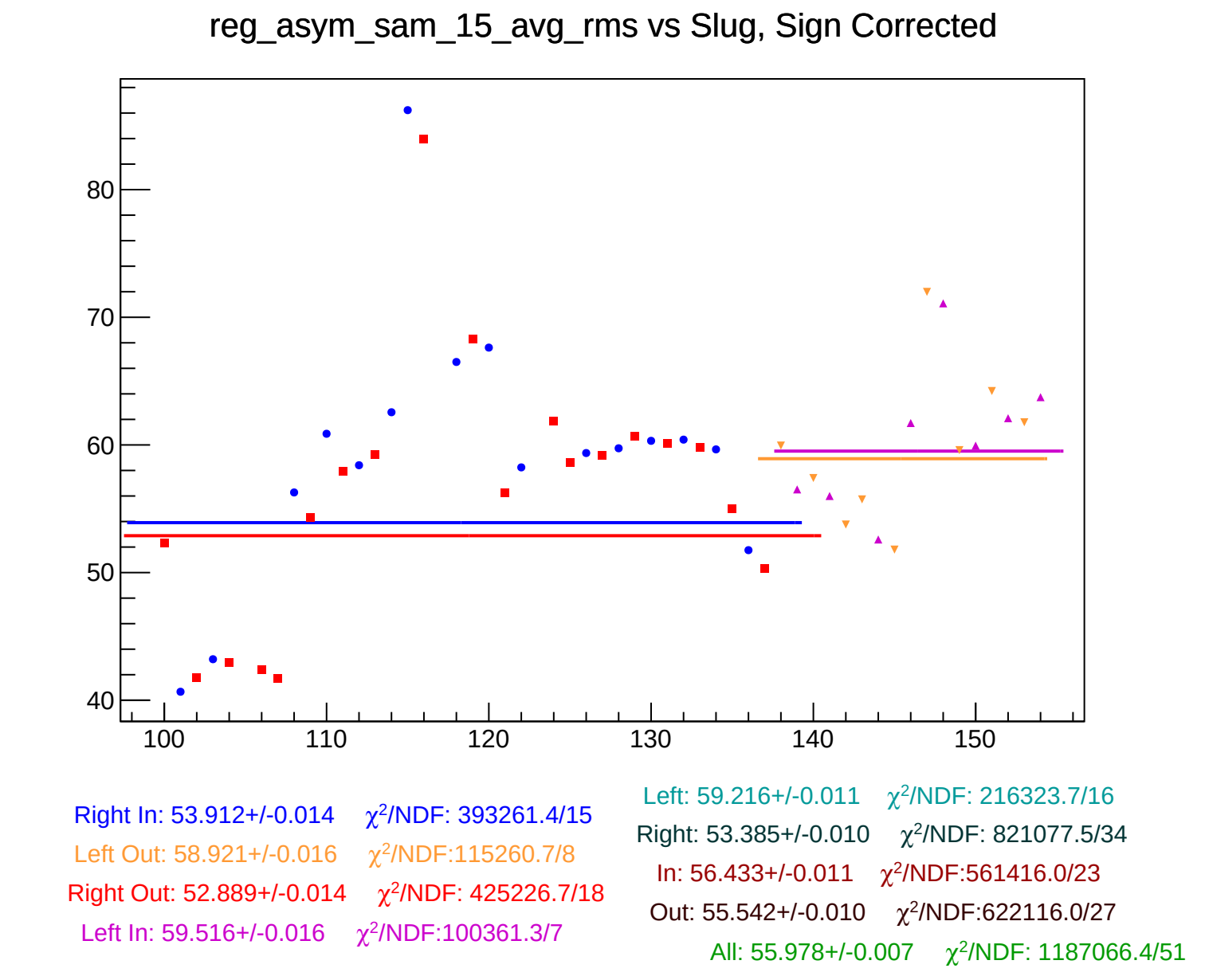
Left: 15.678+/-15.883 χ^2/NDF: 18.9/16

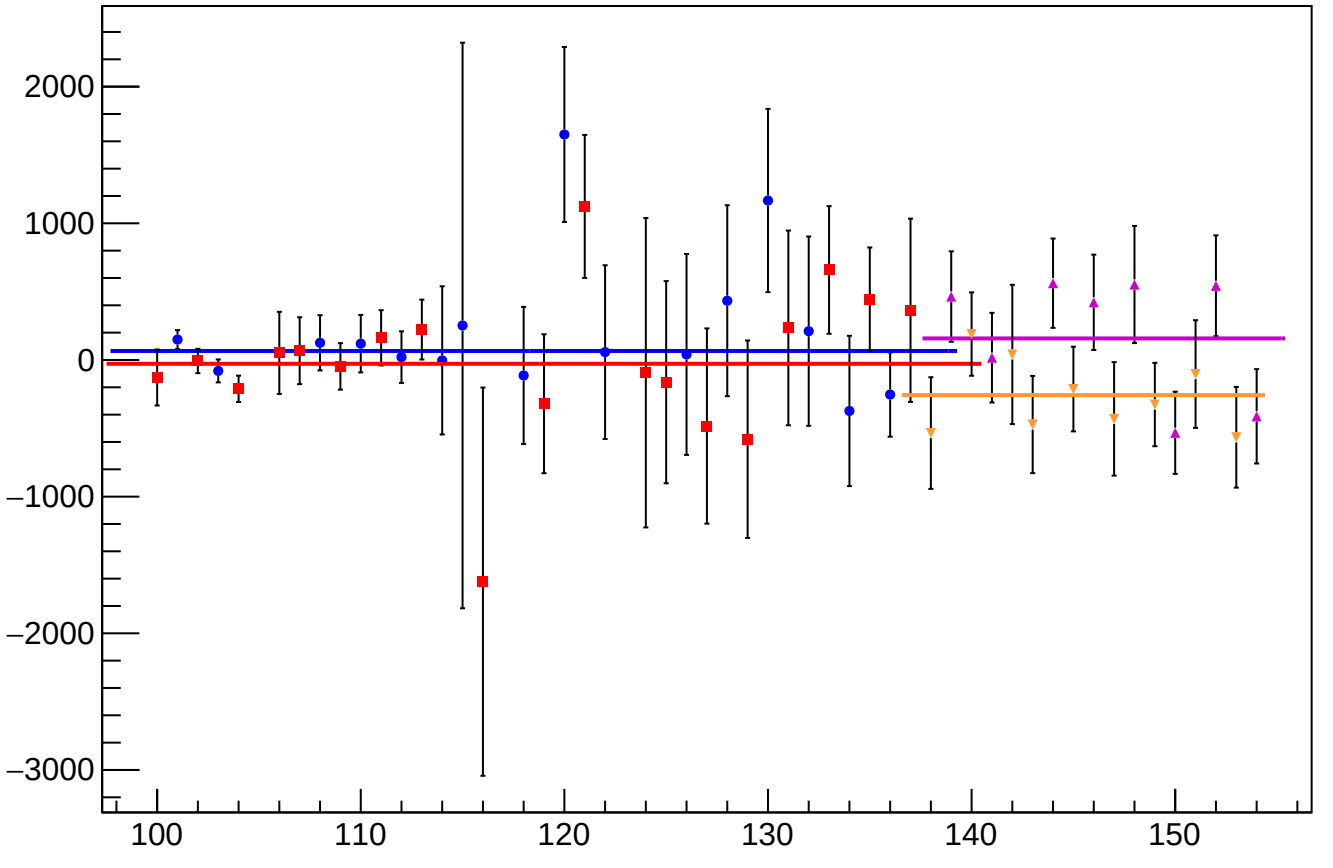
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 26.749+/-15.142 χ^2/NDF:30.9/23

Out: 50.245+/-14.821 χ^2/NDF:38.0/27

All: 38.749+/-10.591 χ^2/NDF: 70.1/51


reg_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: 393261.4/15
Left Out: 58.921+/-0.016 χ²/NDF:115260.7/8
Right Out: 52.889+/-0.014 χ²/NDF: 425226.7/18
Left In: 59.516+/-0.016 χ²/NDF:100361.3/7
Left: 59.216+/-0.011 χ²/NDF: 216323.7/16
Right: 53.385+/-0.010 χ²/NDF: 821077.5/34
In: 56.433+/-0.011 χ²/NDF:561416.0/23
Out: 55.542+/-0.010 χ²/NDF:622116.0/27
All: 55.978+/-0.007 χ²/NDF: 1187066.4/51



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: 157.708+/-121.044 χ^2/NDF:13.1/7

Left: -51.122+/-85.269 χ^2/NDF: 23.4/16

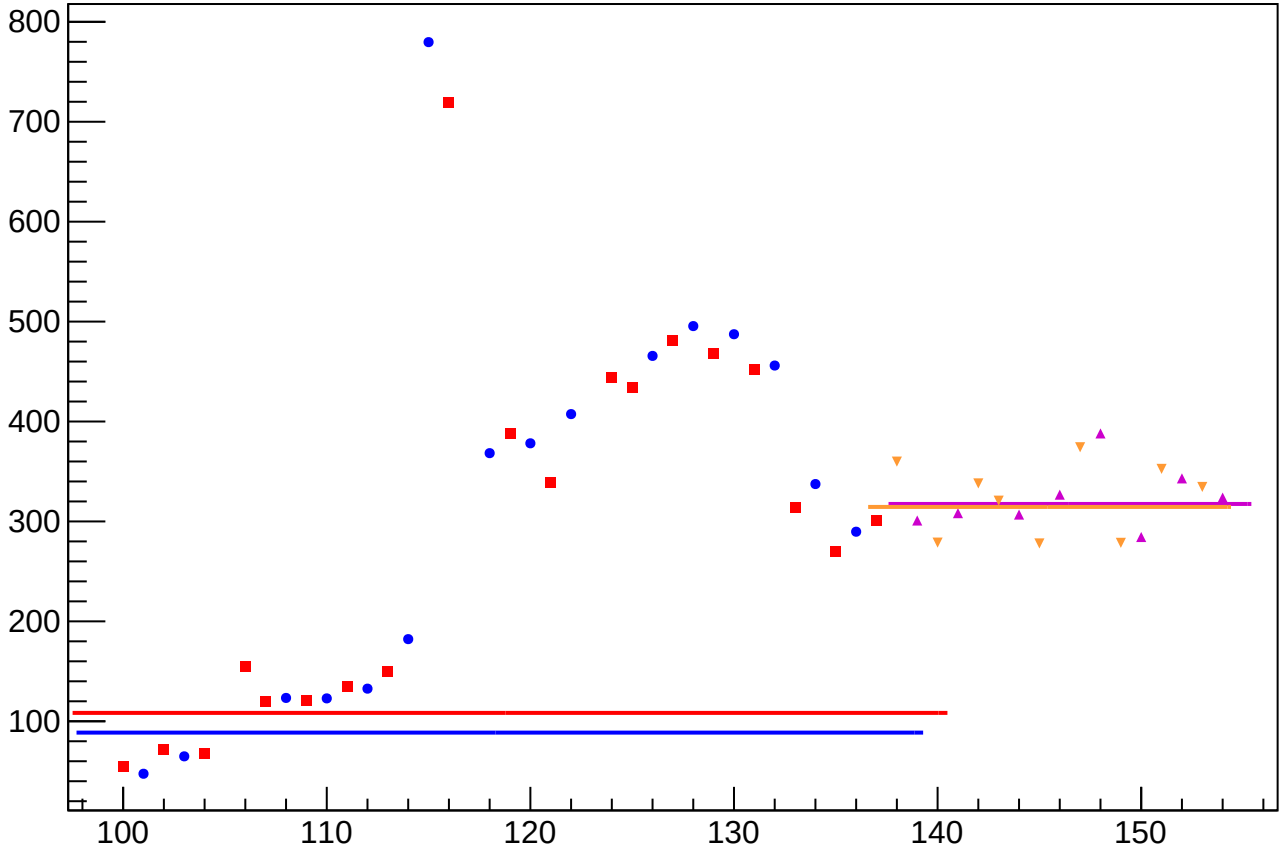
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 77.656+/-43.390 χ^2/NDF:29.3/23

Out: -61.994+/-46.391 χ^2/NDF:25.5/27

All: 12.494+/-31.689 χ^2/NDF: 59.6/51

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: 317.489+/-0.086 χ^2/NDF:98880.5/7

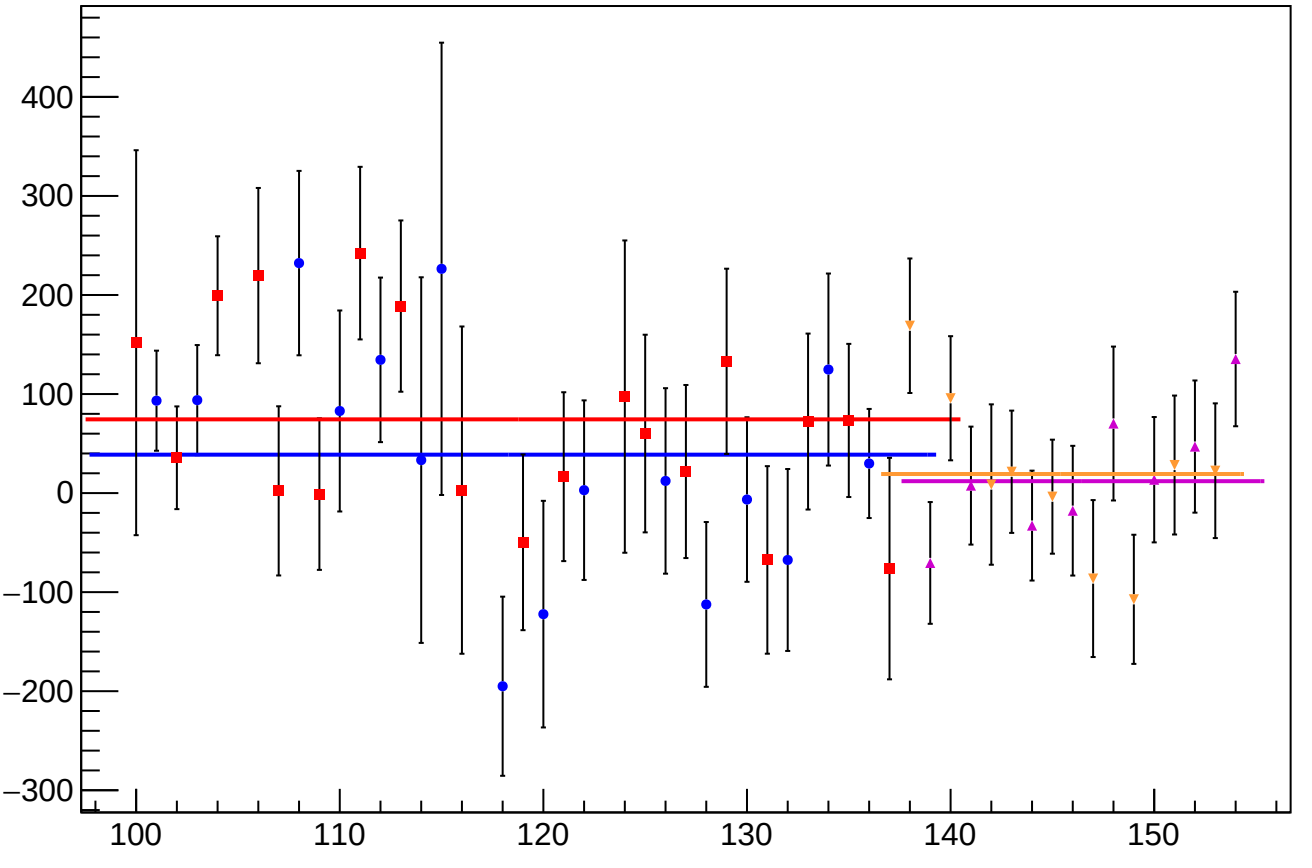
Left: 315.990+/-0.060 χ^2/NDF: 277993.4/16

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 118.062+/-0.031 χ^2/NDF:12976307.8/23

Out: 139.121+/-0.033 χ^2/NDF:10551163.1/27

All: 127.888+/-0.022 χ^2/NDF: 23747303.4/51



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: 12.026+/-22.578 χ^2/NDF:6.8/7

Left: 15.678+/-15.883 χ^2/NDF: 18.9/16

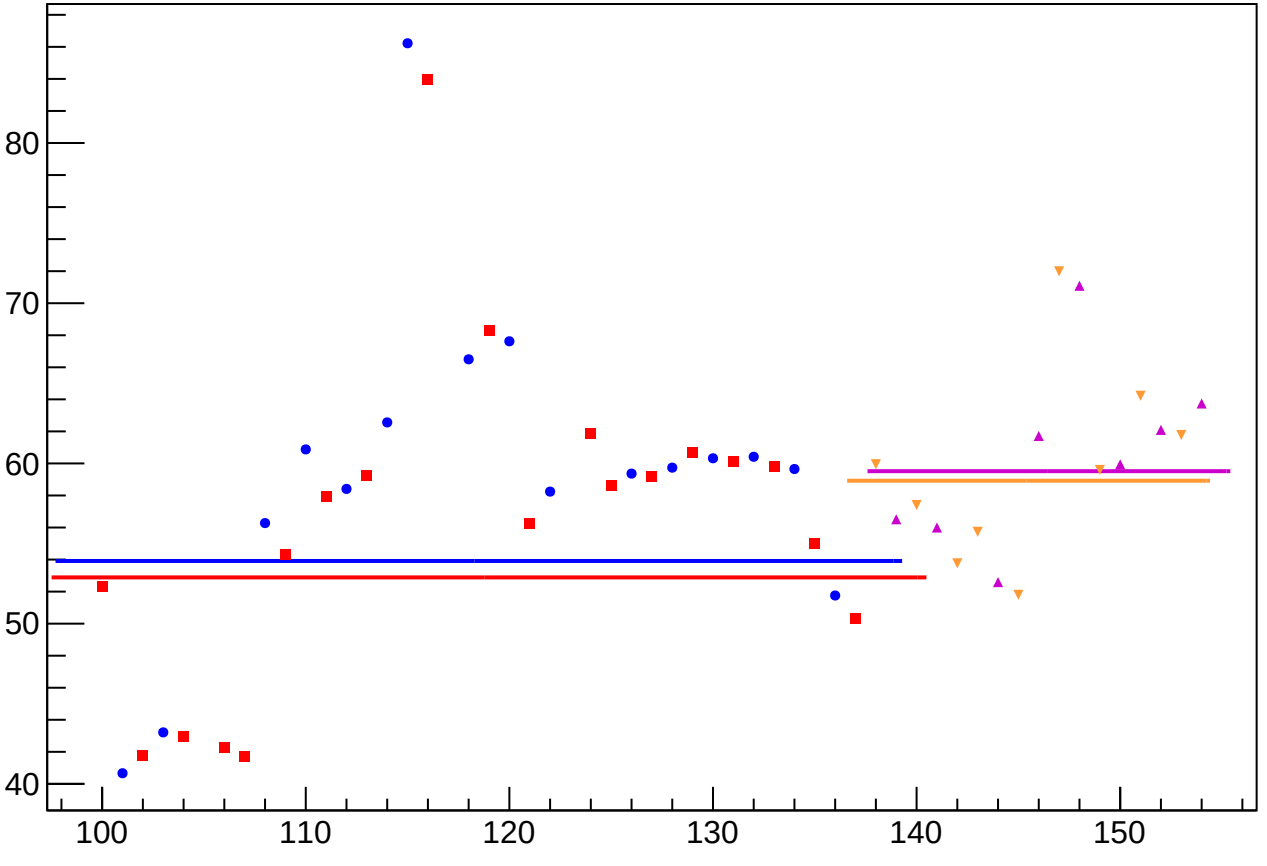
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 26.755+/-15.142 χ^2/NDF:30.9/23

Out: 50.168+/-14.821 χ^2/NDF:37.8/27

All: 38.712+/-10.592 χ^2/NDF: 70.0/51

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 59.516+/-0.016 χ^2/NDF:100361.3/7

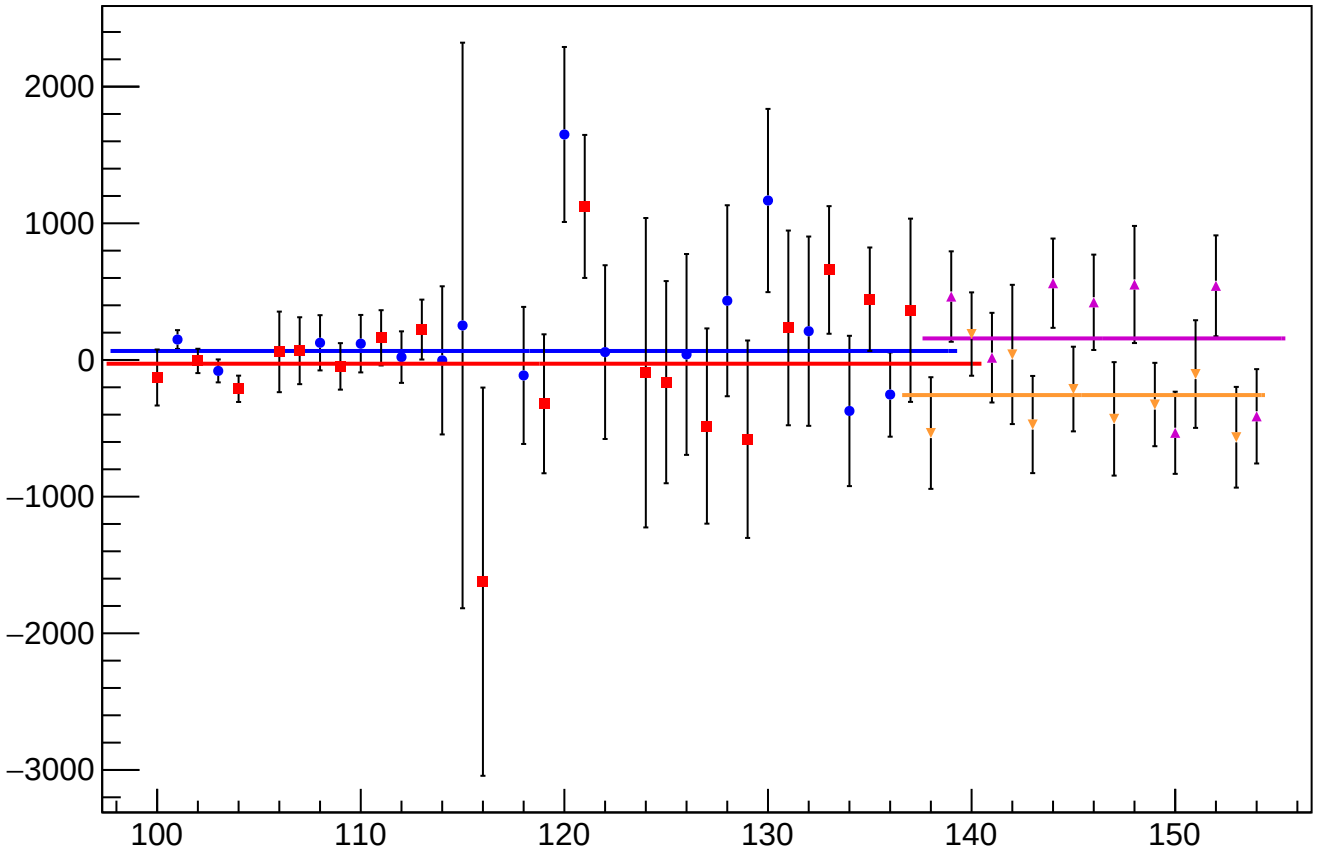
Left: 59.216+/-0.011 χ^2/NDF: 216323.7/16

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 56.433+/-0.011 χ^2/NDF:561415.2/23

Out: 55.541+/-0.010 χ^2/NDF:622479.2/27

All: 55.977+/-0.007 χ^2/NDF: 1187437.0/51



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: 157.705+/-121.044 χ^2/NDF:13.1/7

Left: -51.123+/-85.269 χ^2/NDF: 23.4/16

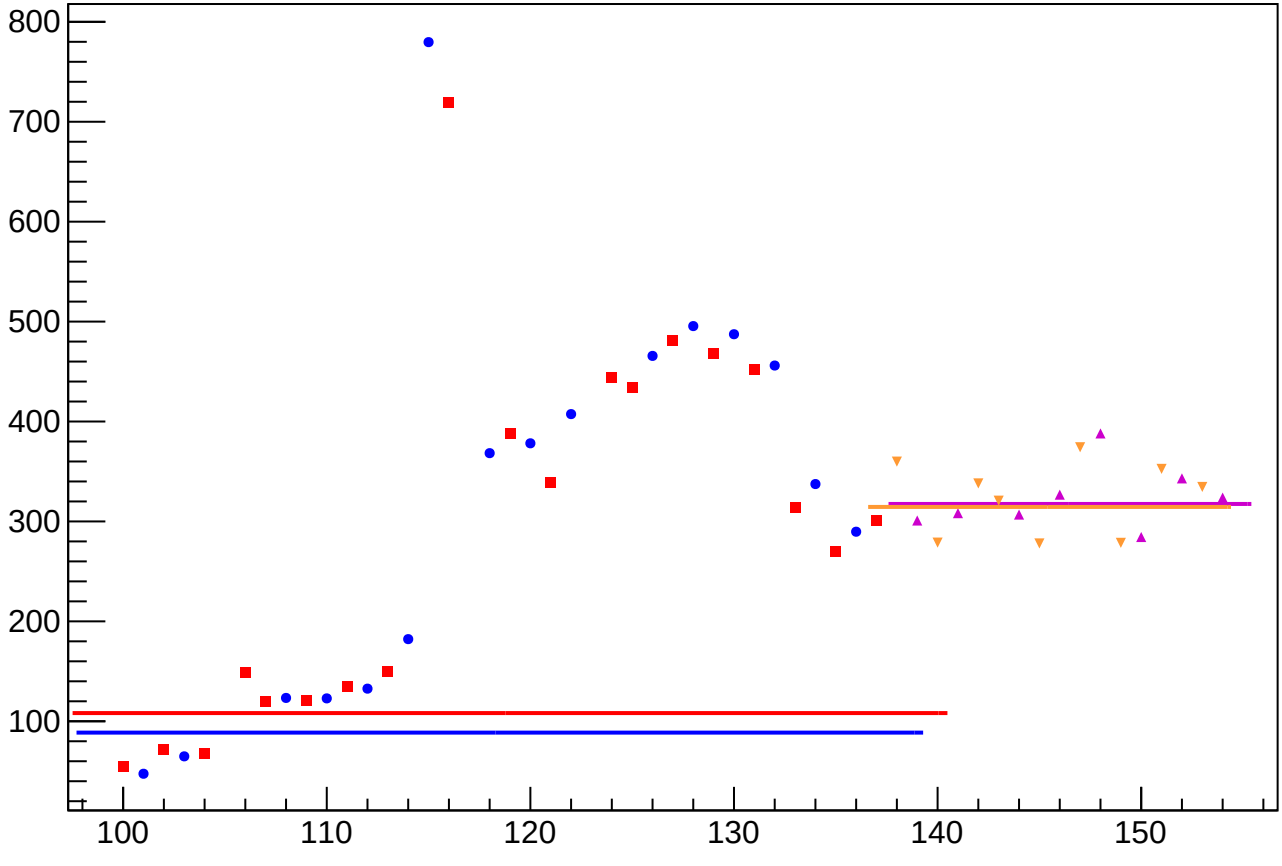
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 77.658+/-43.389 χ^2/NDF:29.3/23

Out: -61.566+/-46.357 χ^2/NDF:25.5/27

All: 12.646+/-31.678 χ^2/NDF: 59.6/51

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: 317.489+/-0.086 χ^2/NDF:98881.9/7

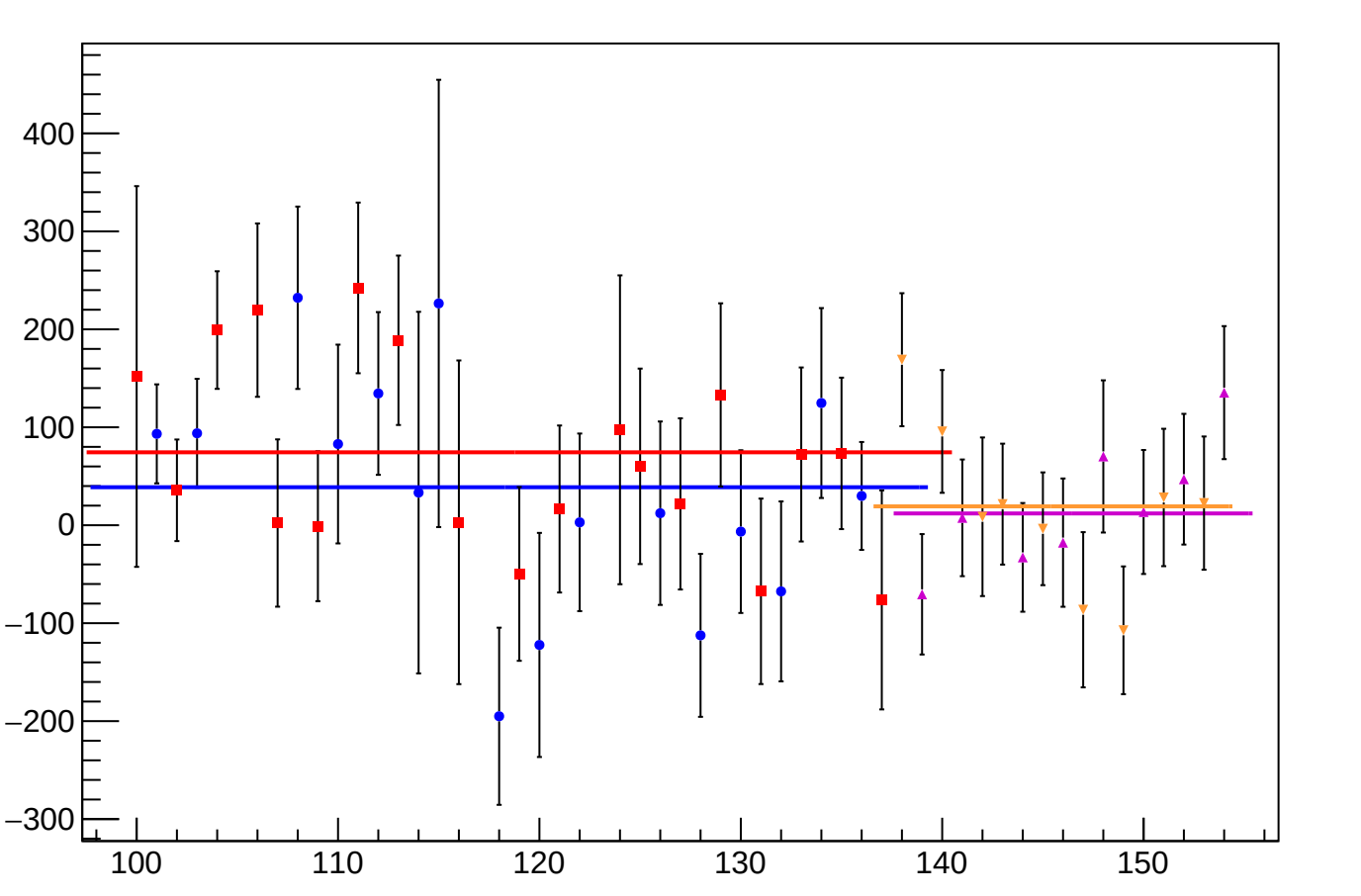
Left: 315.990+/-0.060 χ^2/NDF: 277994.3/16

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 118.058+/-0.031 χ^2/NDF:12976555.0/23

Out: 138.924+/-0.033 χ^2/NDF:10553142.8/27

All: 127.802+/-0.022 χ^2/NDF: 23745687.4/51



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: 12.026+/-22.578 χ^2/NDF:6.8/7

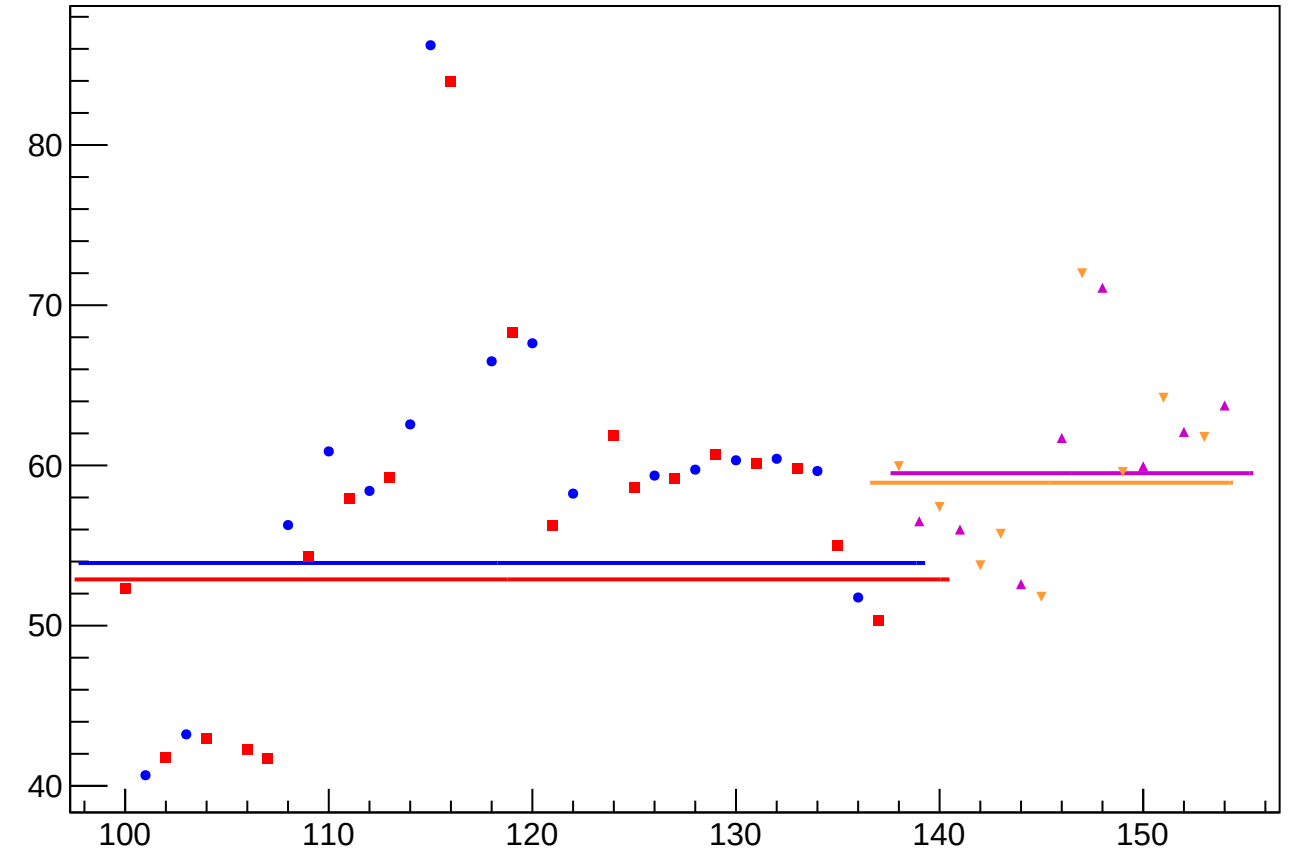
Left: 15.678+/-15.883 χ^2/NDF: 18.9/16

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 26.755+/-15.142 χ^2/NDF:30.9/23

Out: 50.168+/-14.821 χ^2/NDF:37.8/27

All: 38.712+/-10.592 χ^2/NDF: 70.0/51



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: 59.516+/-0.016 χ^2/NDF:100361.3/7

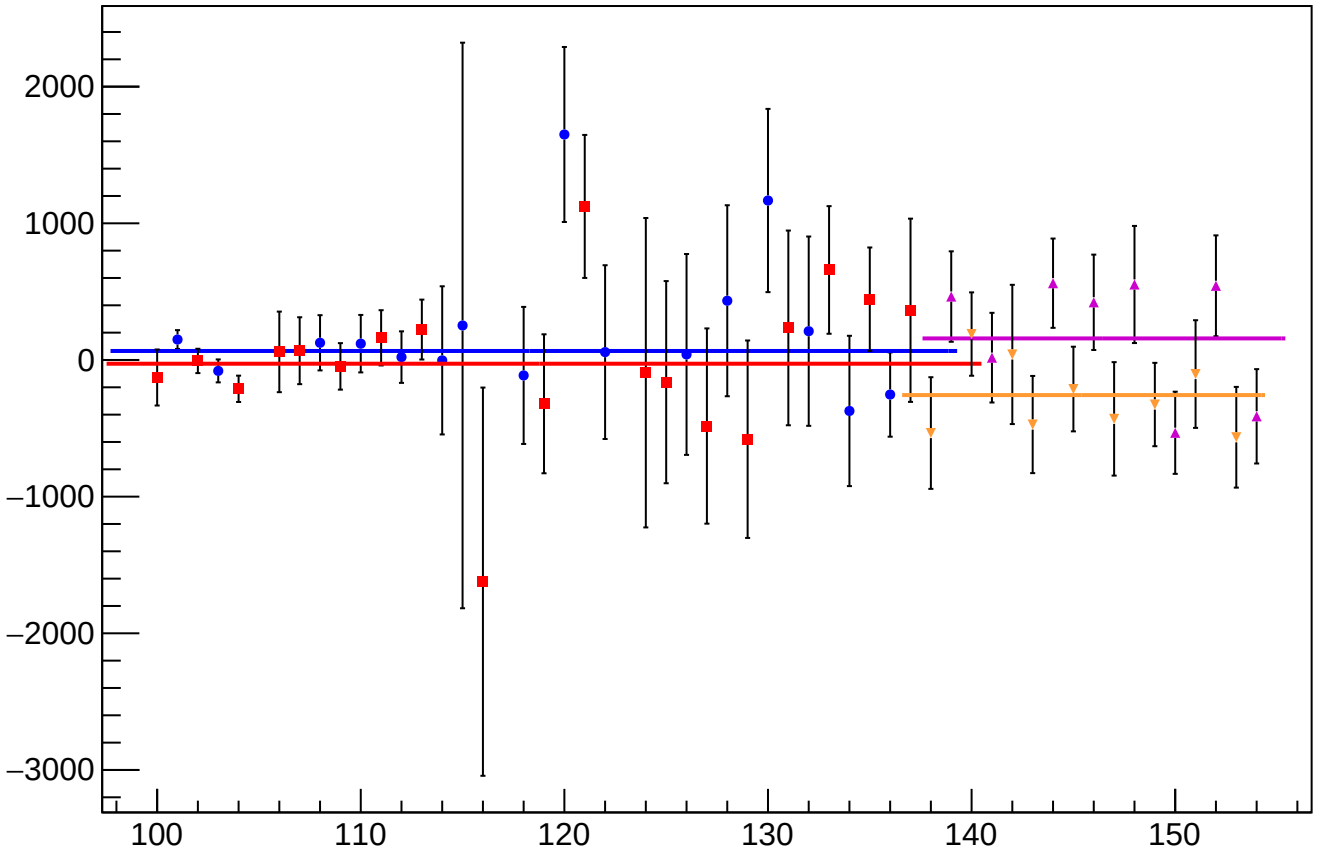
Left: 59.216+/-0.011 χ^2/NDF: 216323.7/16

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 56.433+/-0.011 χ^2/NDF:561415.2/23

Out: 55.541+/-0.010 χ^2/NDF:622479.2/27

All: 55.977+/-0.007 χ^2/NDF: 1187437.0/51



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: 157.705+/-121.044 χ^2/NDF:13.1/7

Left: -51.123+/-85.269 χ^2/NDF: 23.4/16

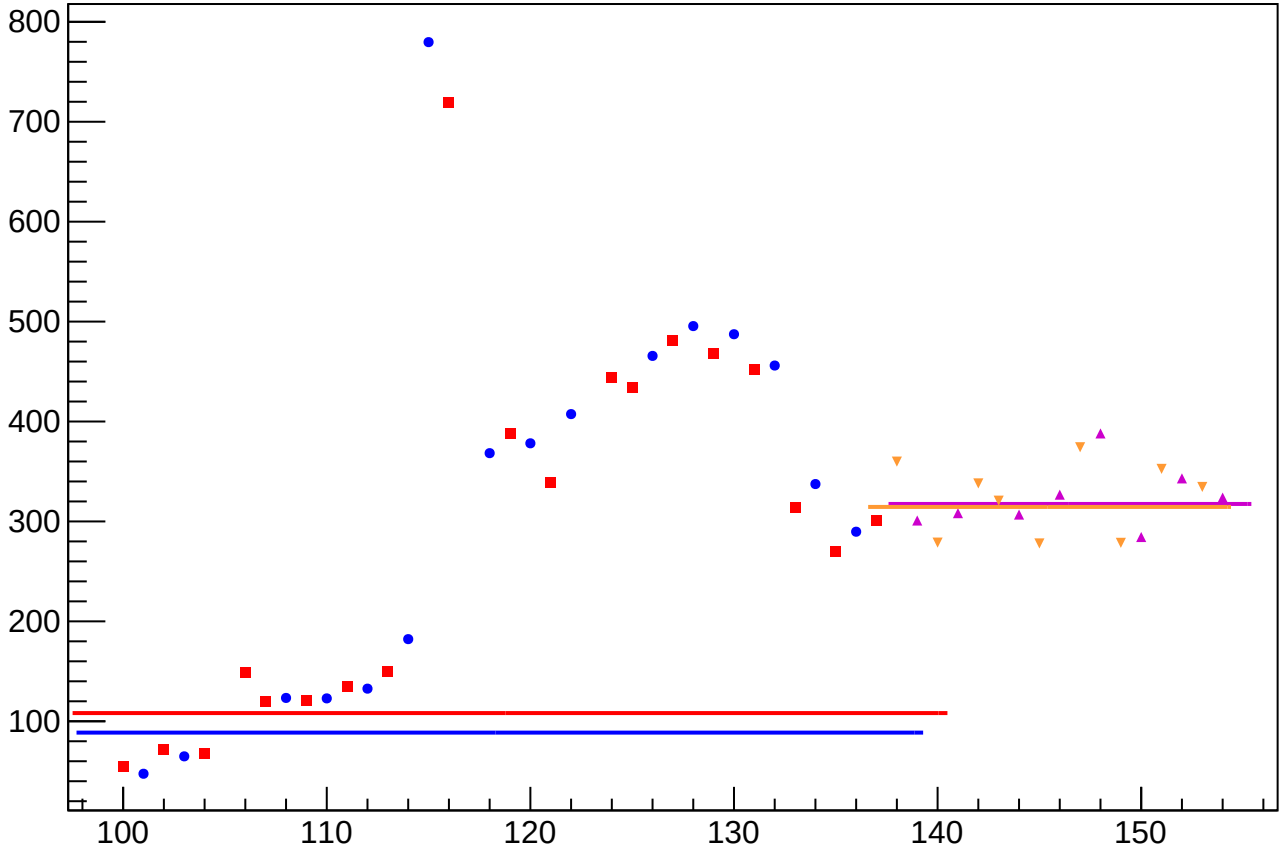
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 77.658+/-43.389 χ^2/NDF:29.3/23

Out: -61.566+/-46.357 χ^2/NDF:25.5/27

All: 12.646+/-31.678 χ^2/NDF: 59.6/51

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: 317.489+/-0.086 χ^2/NDF:98881.9/7

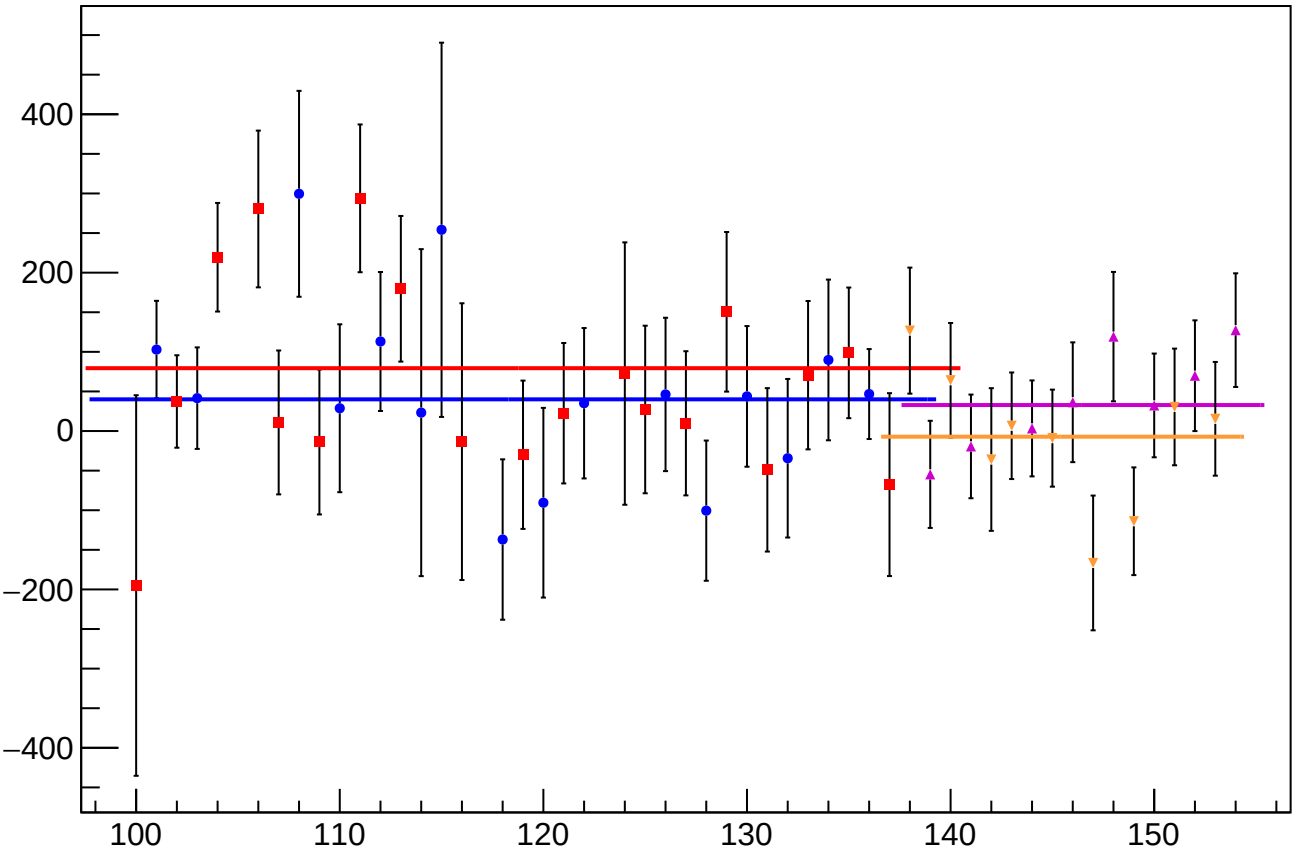
Left: 315.990+/-0.060 χ^2/NDF: 277994.3/16

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 118.058+/-0.031 χ^2/NDF:12976555.0/23

Out: 138.924+/-0.033 χ^2/NDF:10553142.8/27

All: 127.802+/-0.022 χ^2/NDF: 23745687.4/51



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: 32.831+/-24.393 χ^2/NDF:5.7/7

Left: 12.777+/-17.219 χ^2/NDF: 17.3/16

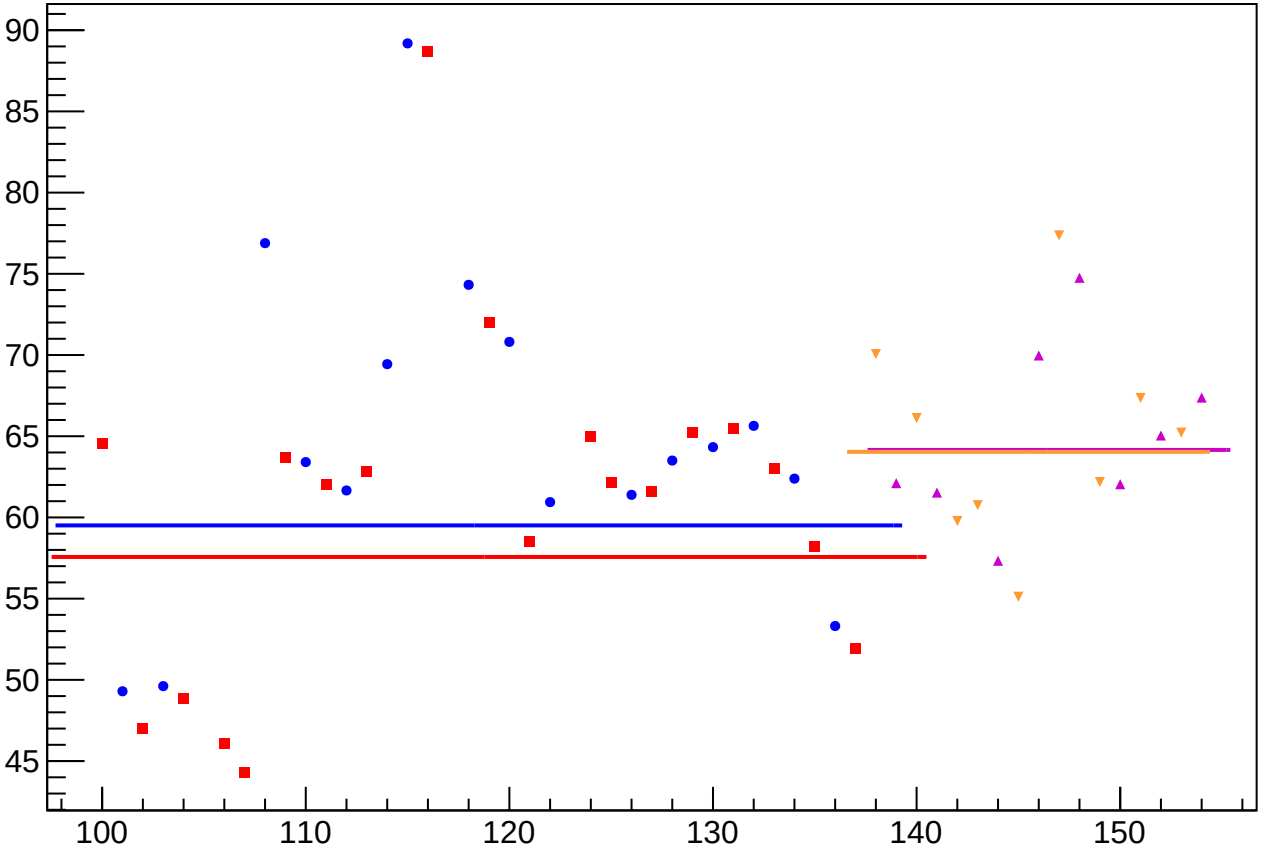
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 36.718+/-16.544 χ^2/NDF:19.9/23

Out: 41.253+/-16.137 χ^2/NDF:42.2/27

All: 39.042+/-11.552 χ^2/NDF: 62.1/51

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: 64.157+/-0.017 χ^2/NDF:82316.8/7

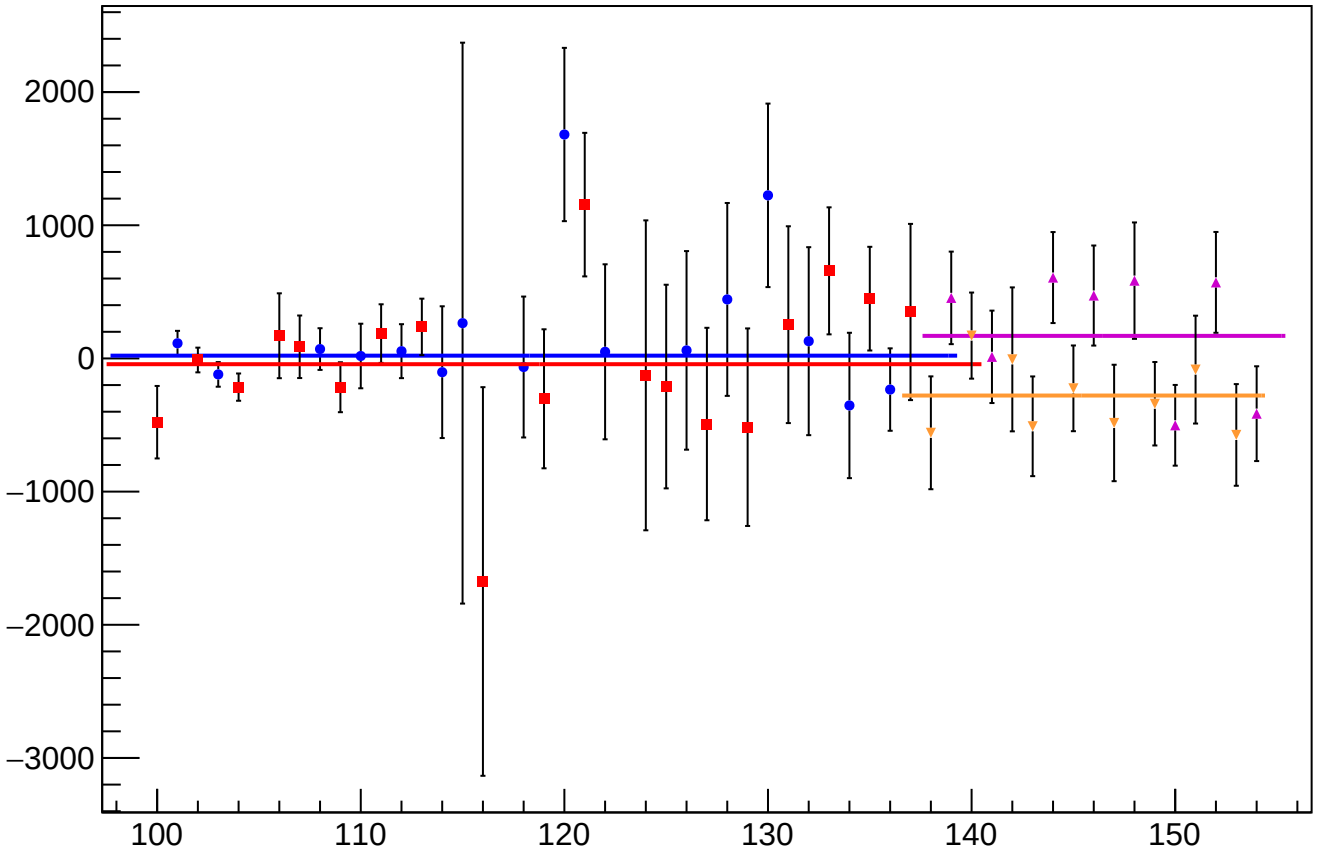
Left: 64.097+/-0.012 χ^2/NDF: 202217.9/16

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 61.647+/-0.012 χ^2/NDF:404720.4/23

Out: 60.419+/-0.011 χ^2/NDF:546540.3/27

All: 61.017+/-0.008 χ^2/NDF: 956909.7/51



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: 169.427+/-125.754 χ^2/NDF:12.8/7

Left: -55.442+/-88.749 χ^2/NDF: 23.3/16

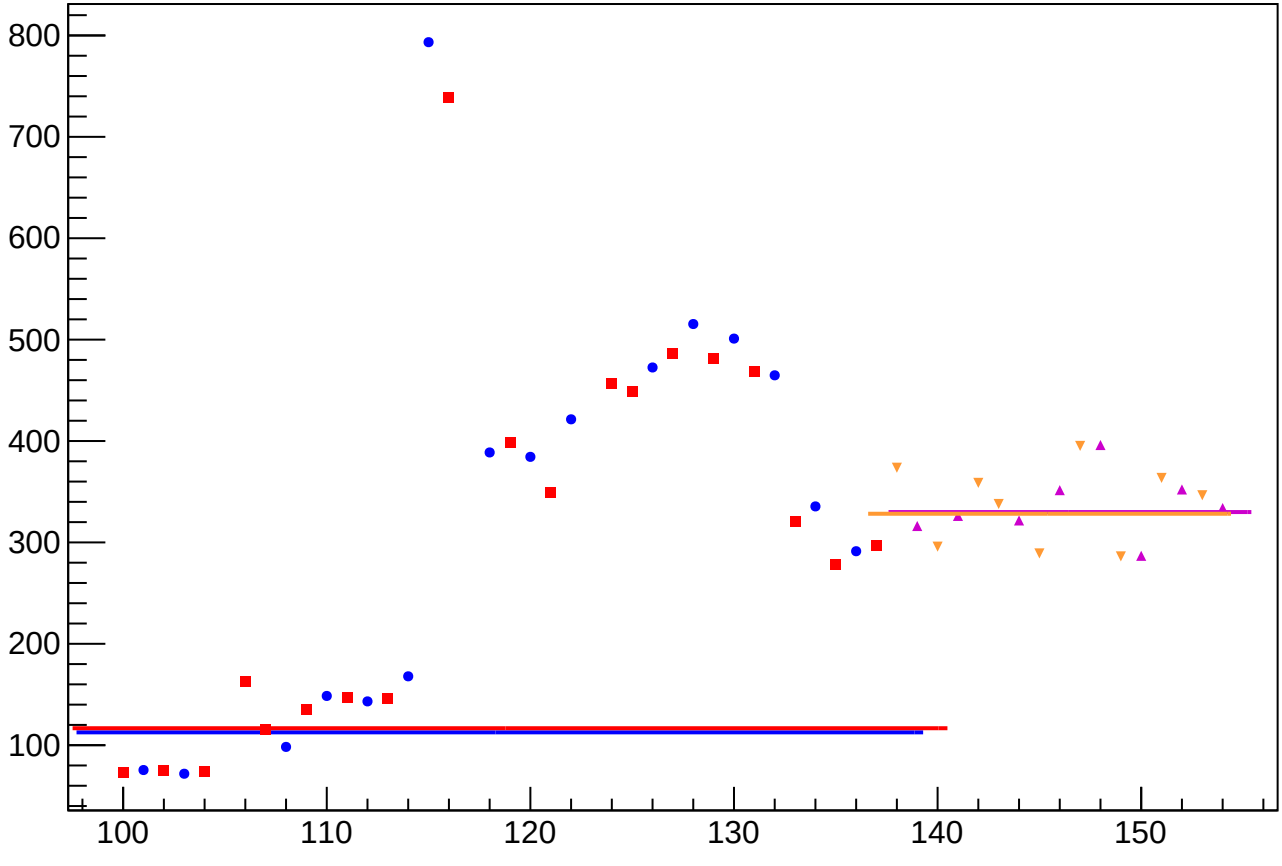
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.673+/-49.296 χ^2/NDF:28.6/23

Out: -79.230+/-48.975 χ^2/NDF:28.6/27

All: -18.180+/-34.744 χ^2/NDF: 60.4/51

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 328.268+/-0.089 χ^2/NDF:183009.6/8

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 329.941+/-0.089 χ^2/NDF:104634.2/7

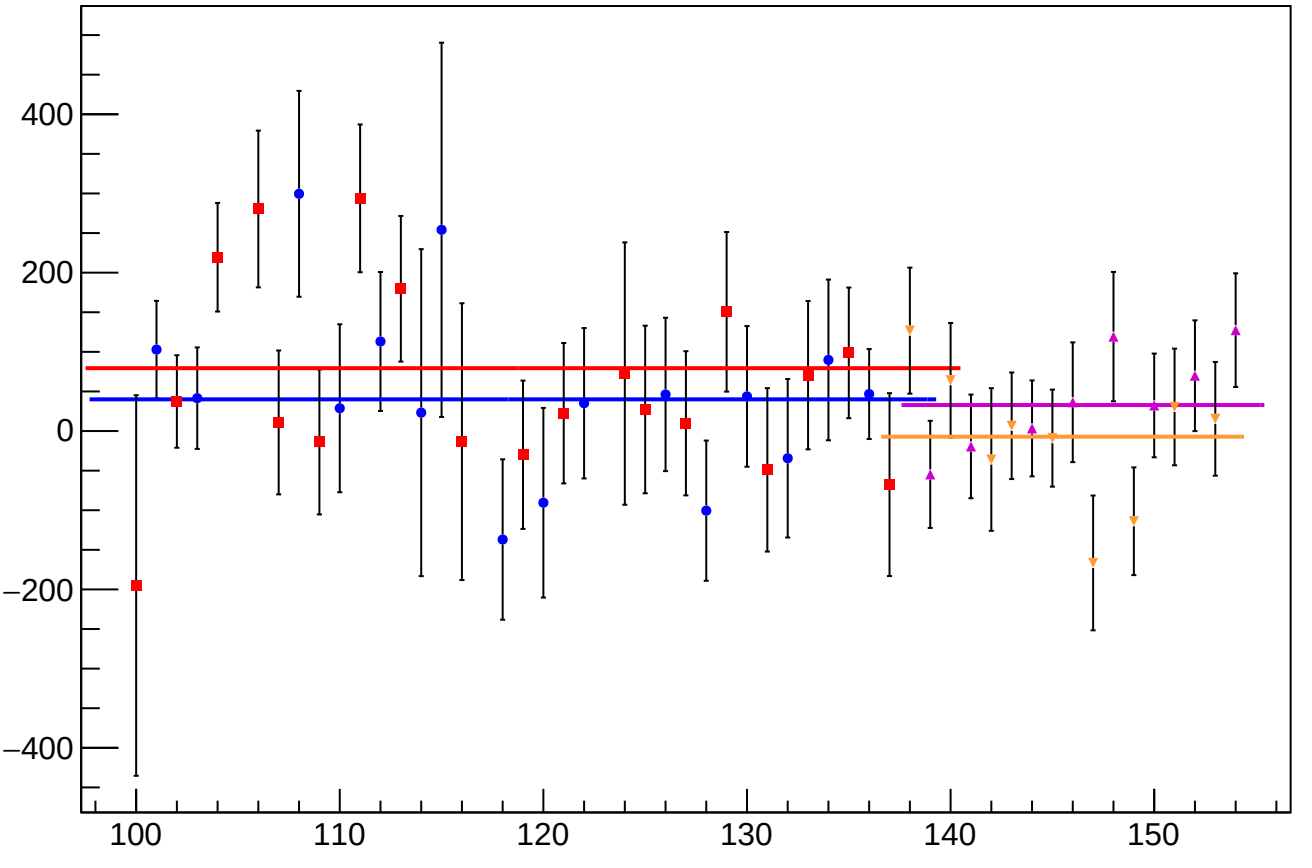
Left: 329.101+/-0.063 χ^2/NDF: 287821.6/16

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 146.056+/-0.035 χ^2/NDF:10757172.2/23

Out: 149.067+/-0.035 χ^2/NDF:10155888.5/27

All: 147.571+/-0.025 χ^2/NDF: 20916814.2/51



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: 32.831+/-24.393 χ^2/NDF:5.7/7

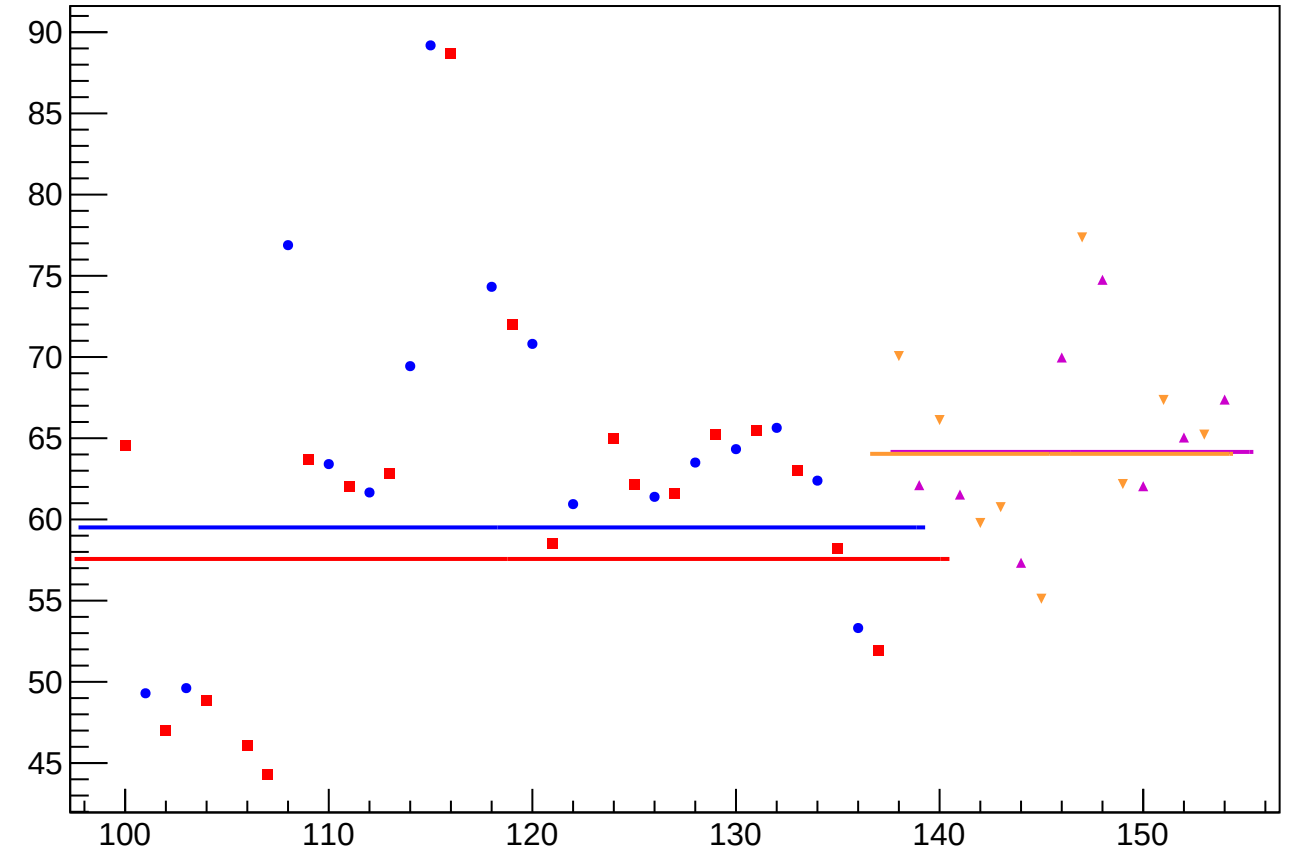
Left: 12.777+/-17.219 χ^2/NDF: 17.3/16

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 36.718+/-16.544 χ^2/NDF:19.9/23

Out: 41.253+/-16.137 χ^2/NDF:42.2/27

All: 39.042+/-11.552 χ^2/NDF: 62.1/51



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: 64.157+/-0.017 χ^2/NDF:82316.6/7

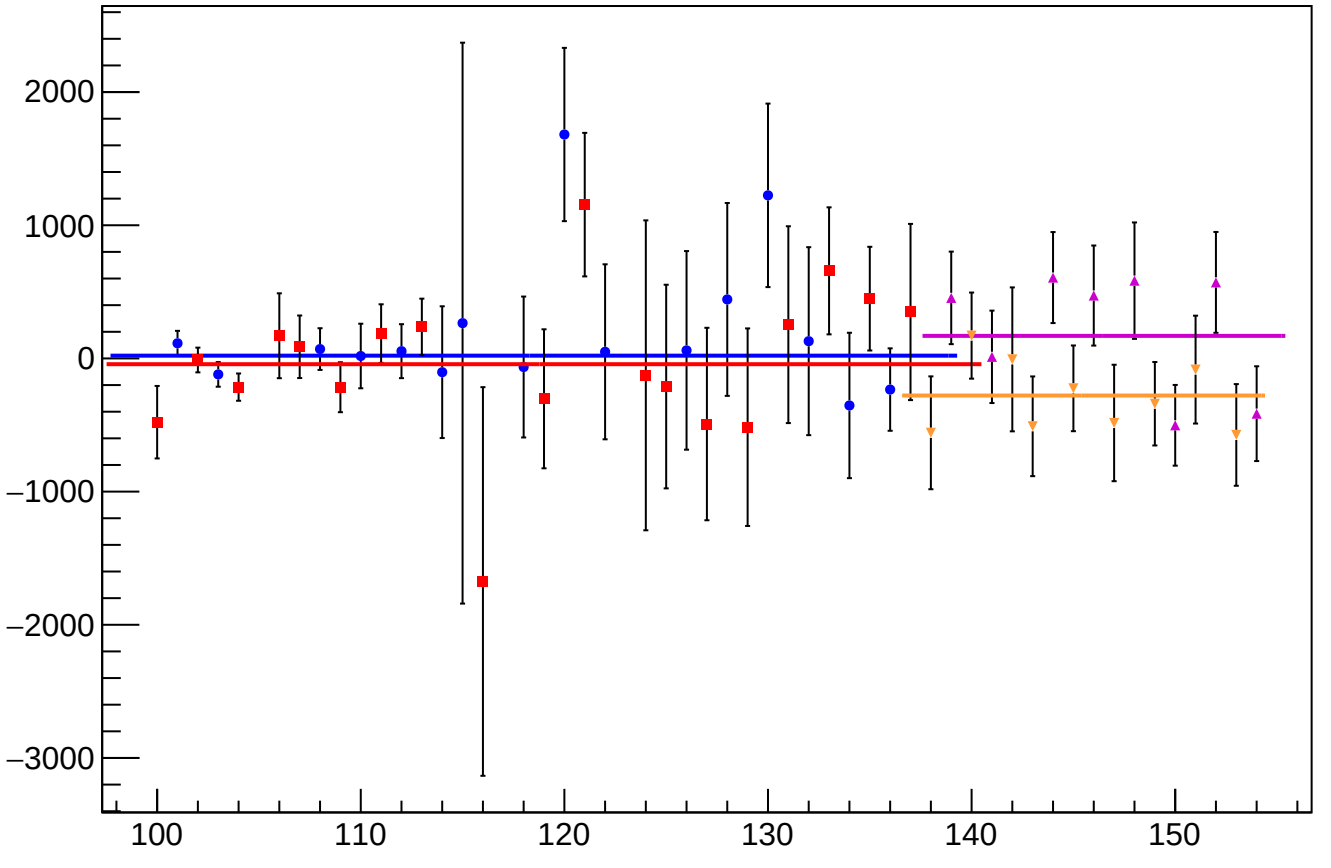
Left: 64.098+/-0.012 χ^2/NDF: 202221.3/16

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 61.647+/-0.012 χ^2/NDF:404723.1/23

Out: 60.419+/-0.011 χ^2/NDF:546546.3/27

All: 61.017+/-0.008 χ^2/NDF: 956918.6/51



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: 169.428+/-125.754 χ^2/NDF:12.8/7

Left: -55.442+/-88.749 χ^2/NDF: 23.3/16

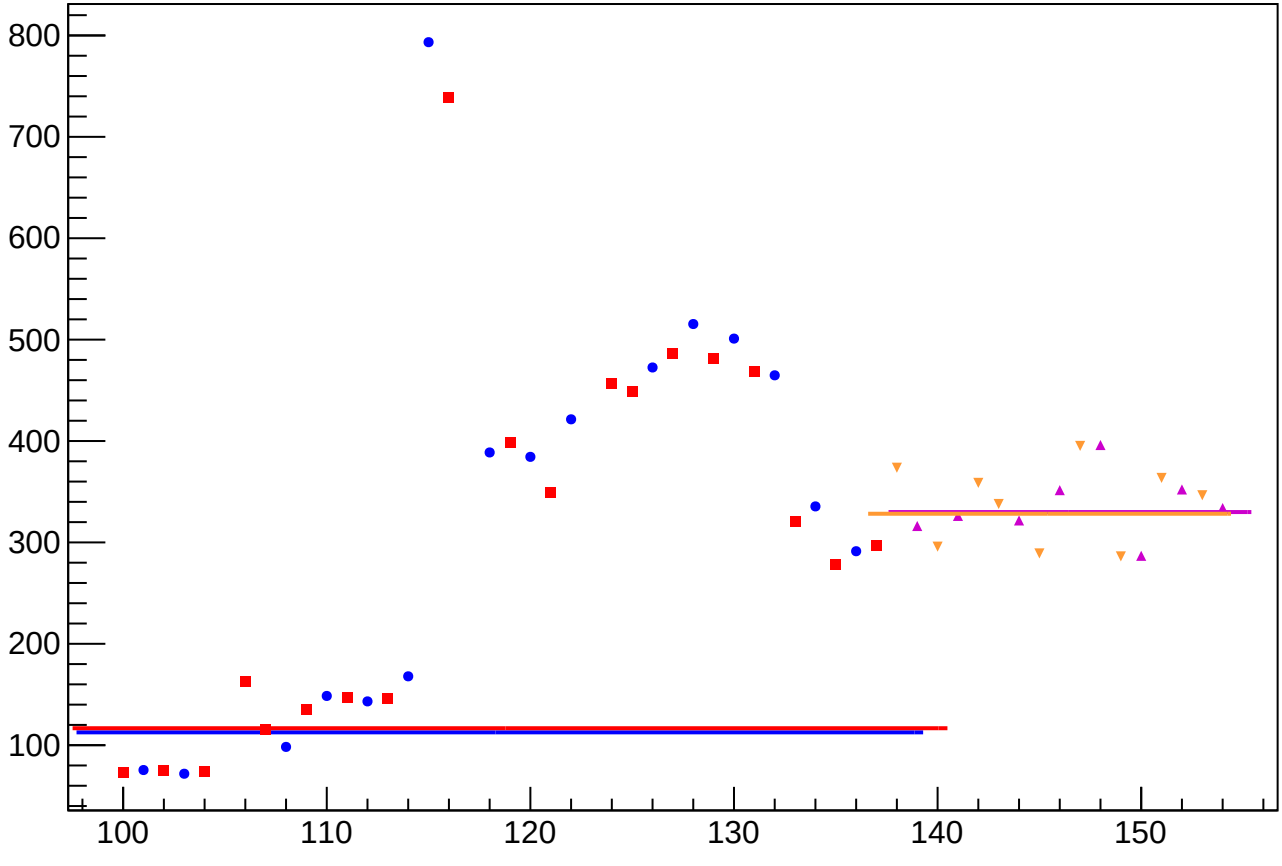
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.673+/-49.296 χ^2/NDF:28.6/23

Out: -79.230+/-48.975 χ^2/NDF:28.6/27

All: -18.180+/-34.744 χ^2/NDF: 60.4/51

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: 329.942+/-0.089 χ^2/NDF:104633.7/7

Left: 329.102+/-0.063 χ^2/NDF: 287821.5/16

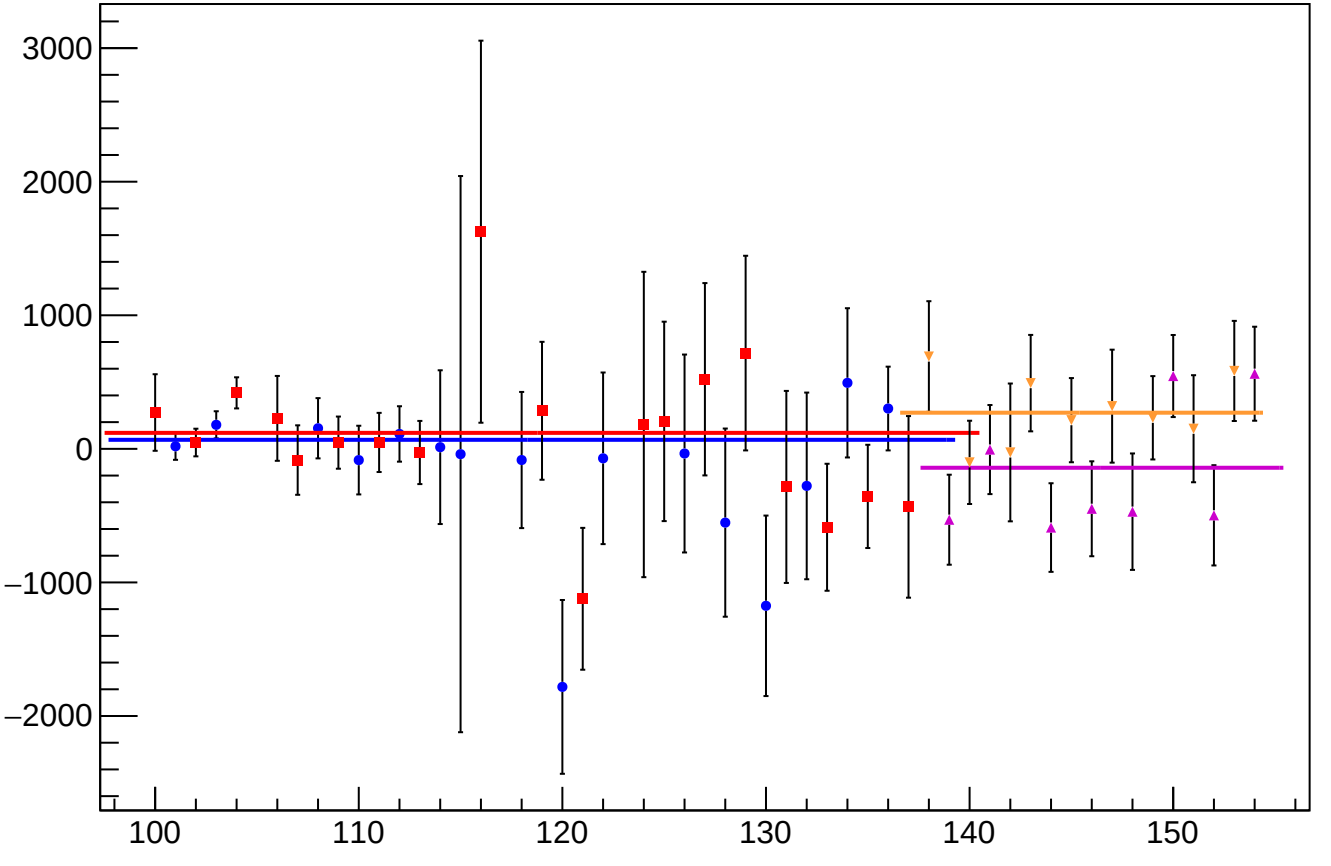
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 146.056+/-0.035 χ^2/NDF:10757205.0/23

Out: 149.066+/-0.035 χ^2/NDF:10155931.1/27

All: 147.571+/-0.025 χ^2/NDF: 20916889.4/51

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: -141.575+/-123.235 χ^2/NDF:14.5/7

Left: 66.092+/-86.813 χ^2/NDF: 24.2/16

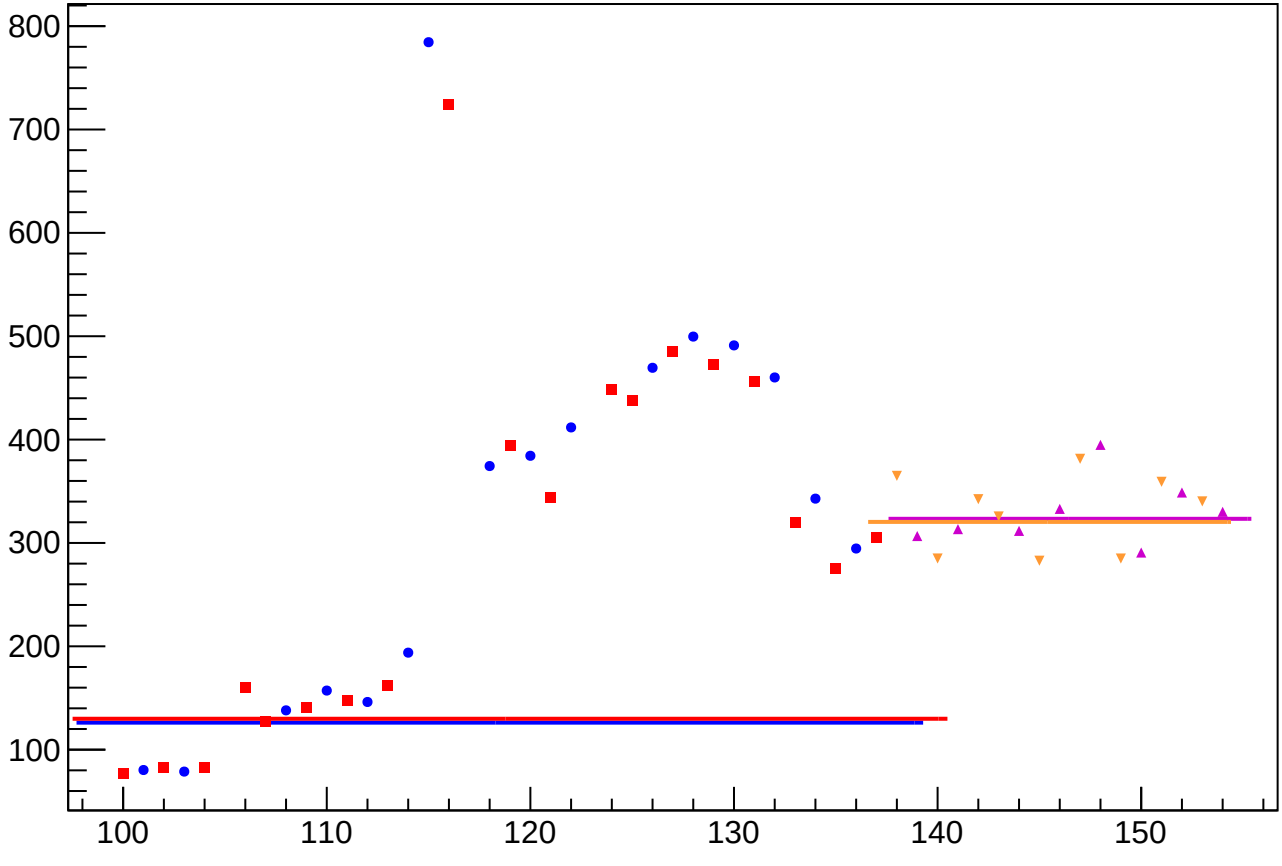
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 28.430+/-53.339 χ^2/NDF:32.7/23

Out: 147.316+/-52.363 χ^2/NDF:26.4/27

All: 88.971+/-37.367 χ^2/NDF: 61.6/51

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: 323.356+/-0.087 χ^2/NDF:97011.1/7

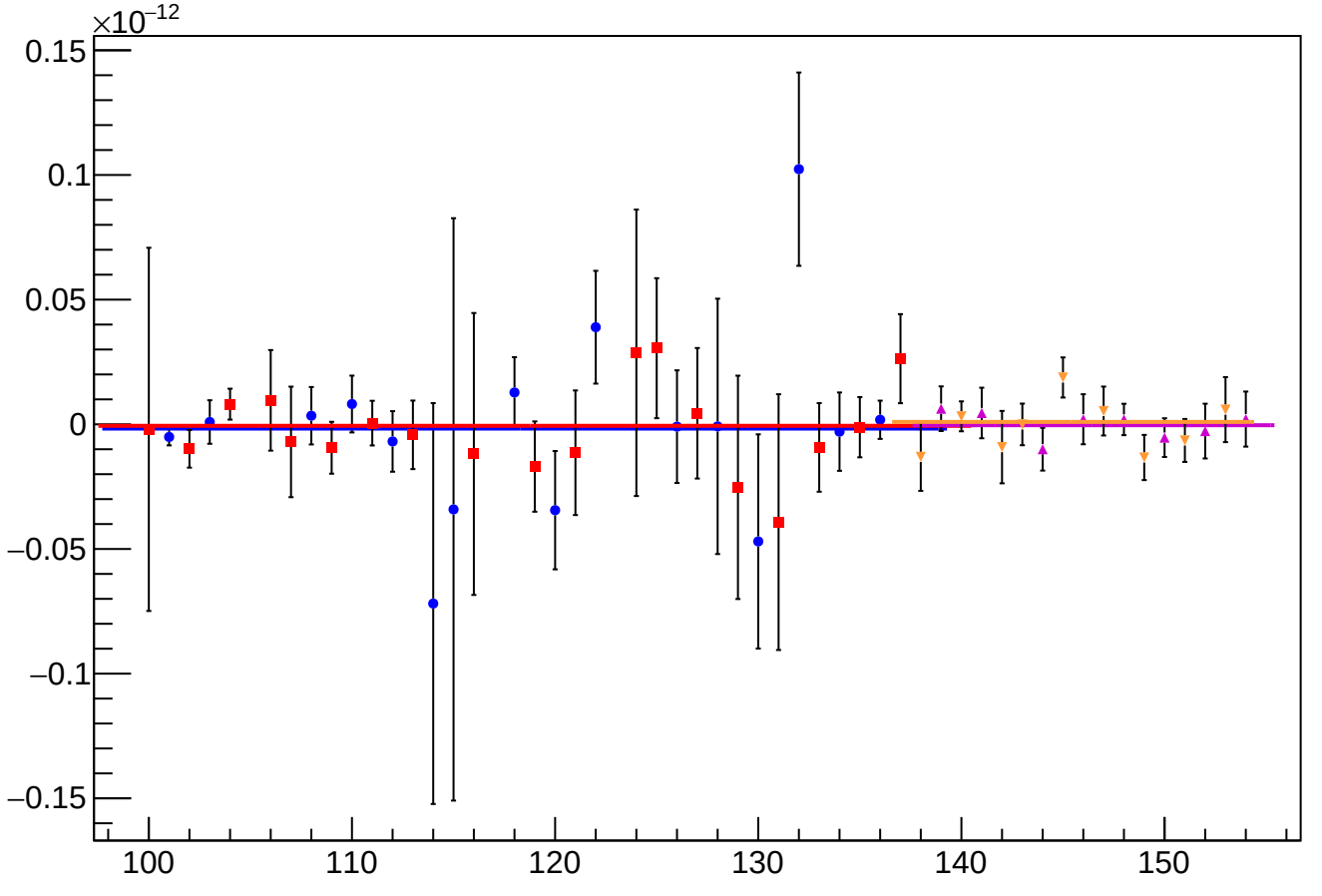
Left: 321.850+/-0.061 χ^2/NDF: 270847.9/16

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 163.098+/-0.038 χ^2/NDF:9479082.7/23

Out: 164.819+/-0.037 χ^2/NDF:8781109.5/27

All: 163.974+/-0.026 χ^2/NDF: 18261252.2/51



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:2.7/7

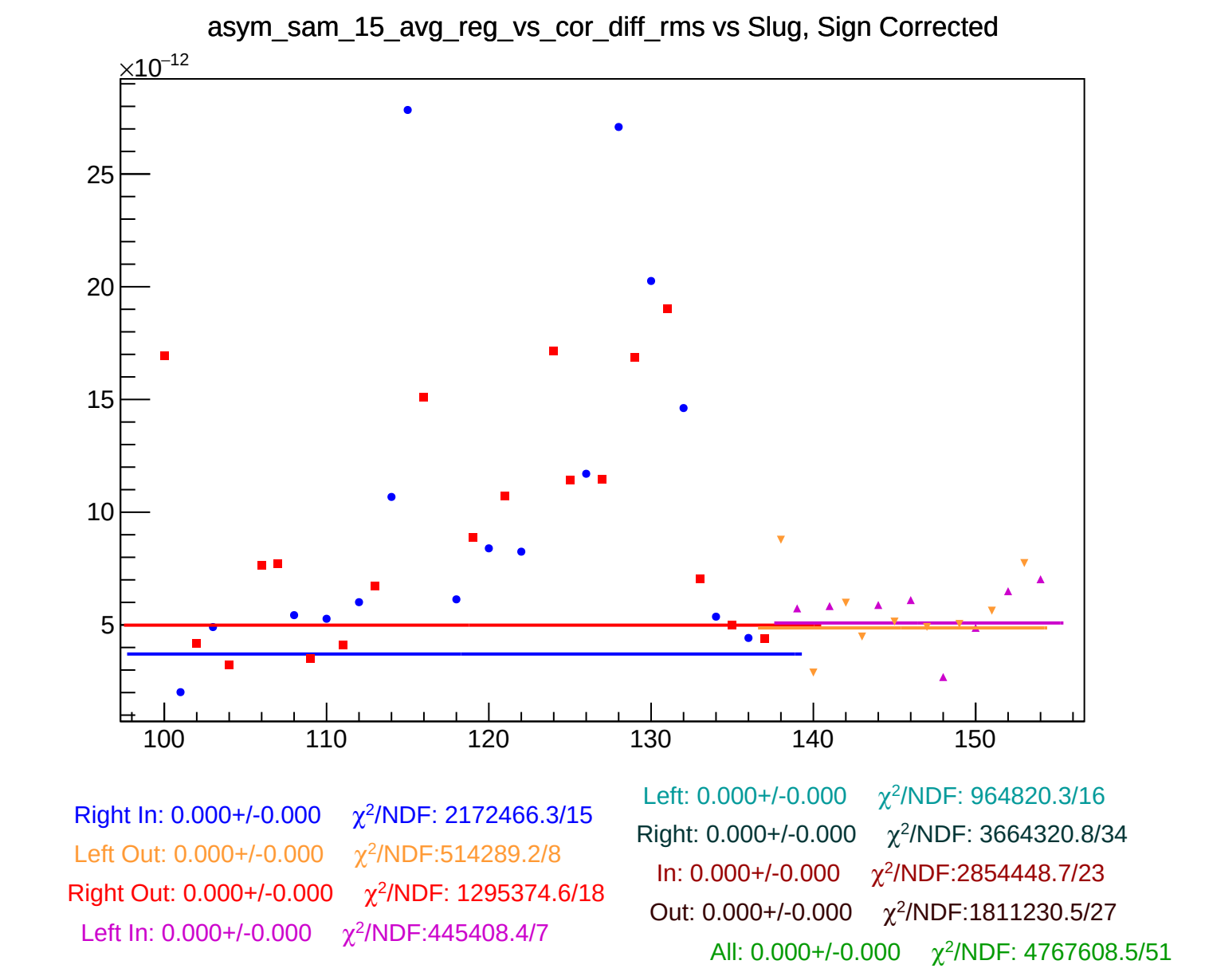
Left: 0.000+/-0.000 χ^2/NDF: 13.0/16

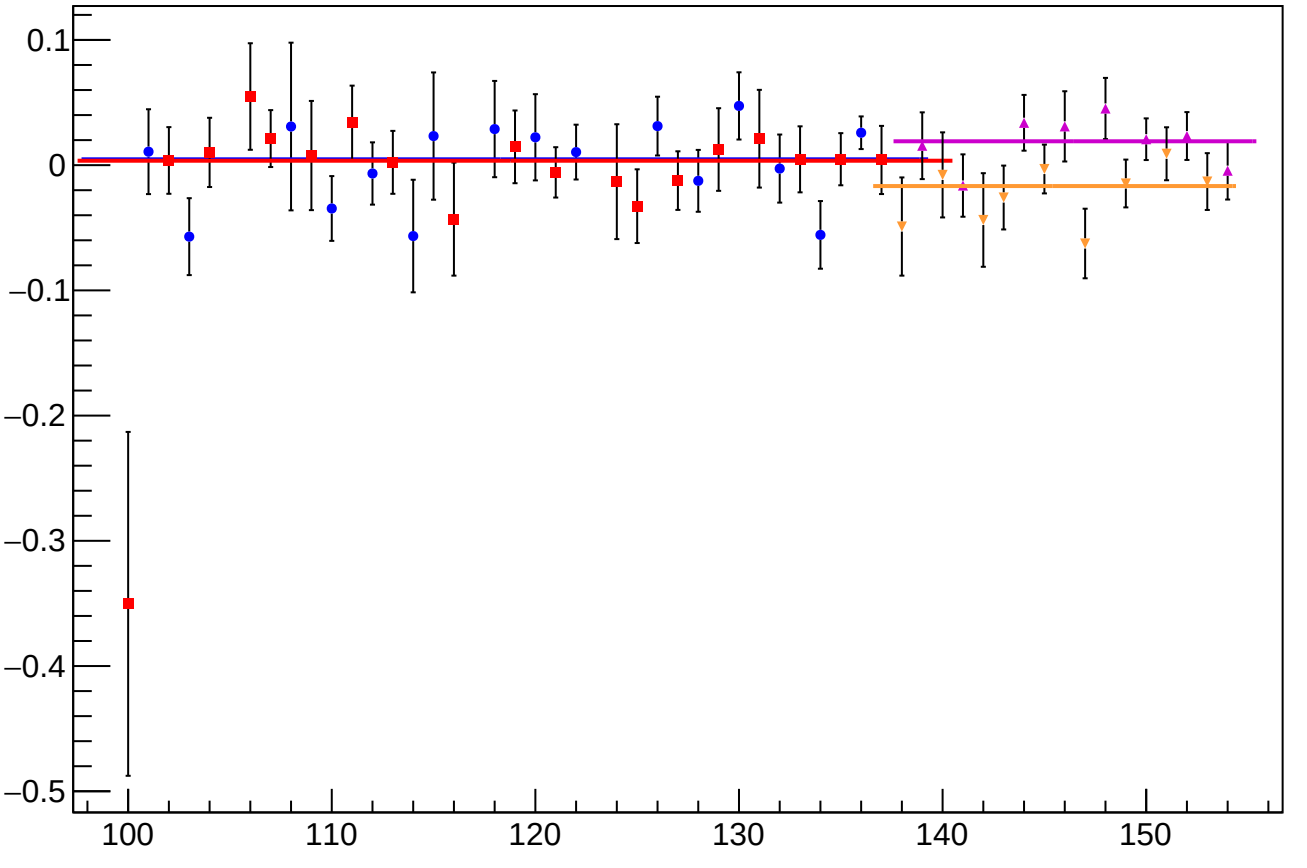
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.6/23

Out: 0.000+/-0.000 χ^2/NDF:20.8/27

All: -0.000+/-0.000 χ^2/NDF: 41.7/51


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:445408.4/7
Left: 0.000+/-0.000 χ²/NDF: 964820.3/16
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:2854448.7/23
Out: 0.000+/-0.000 χ²/NDF:1811230.5/27
All: 0.000+/-0.000 χ²/NDF: 4767608.5/51



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: 0.019+/-0.008 χ^2/NDF:4.9/7

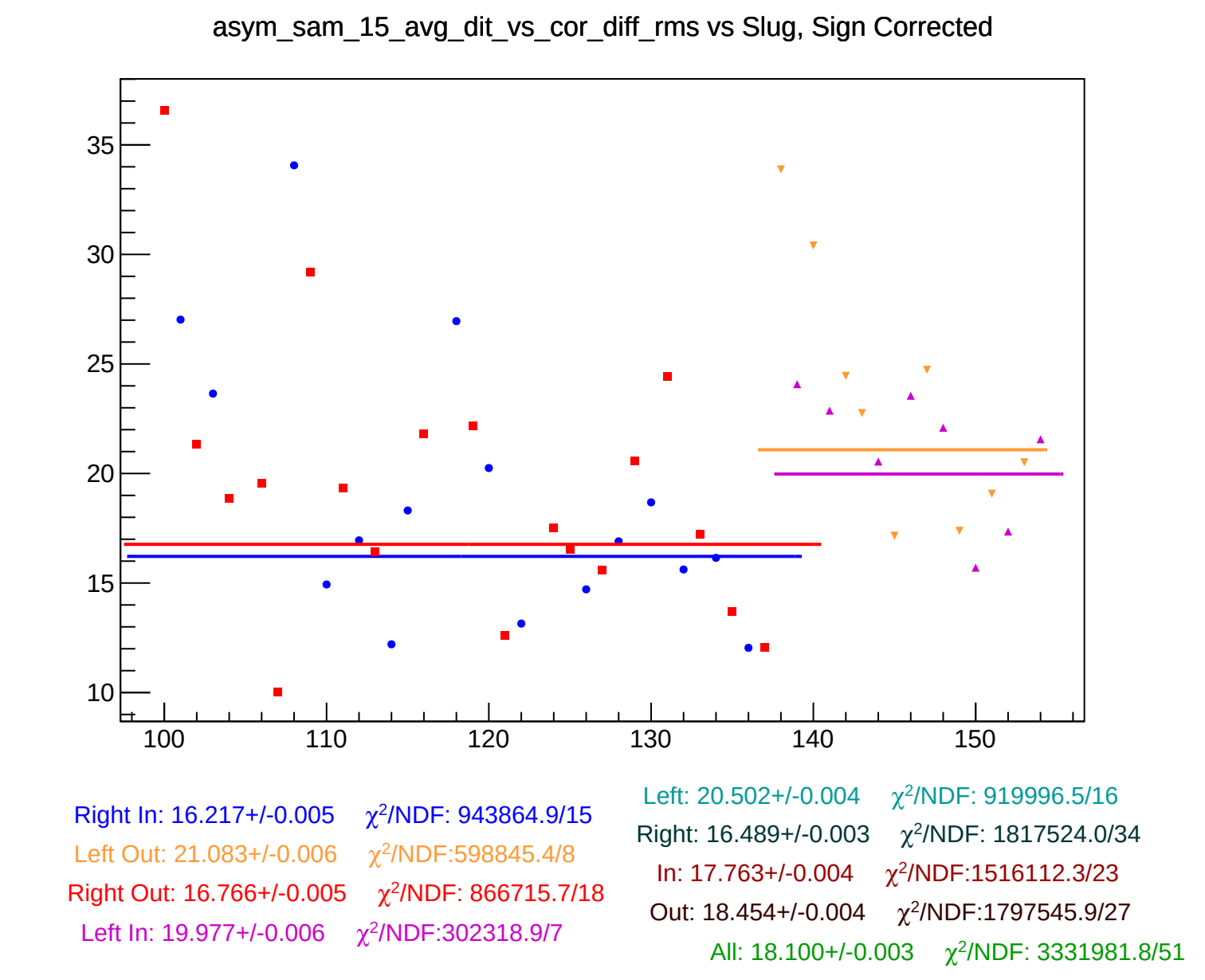
Left: 0.002+/-0.006 χ^2/NDF: 20.9/16

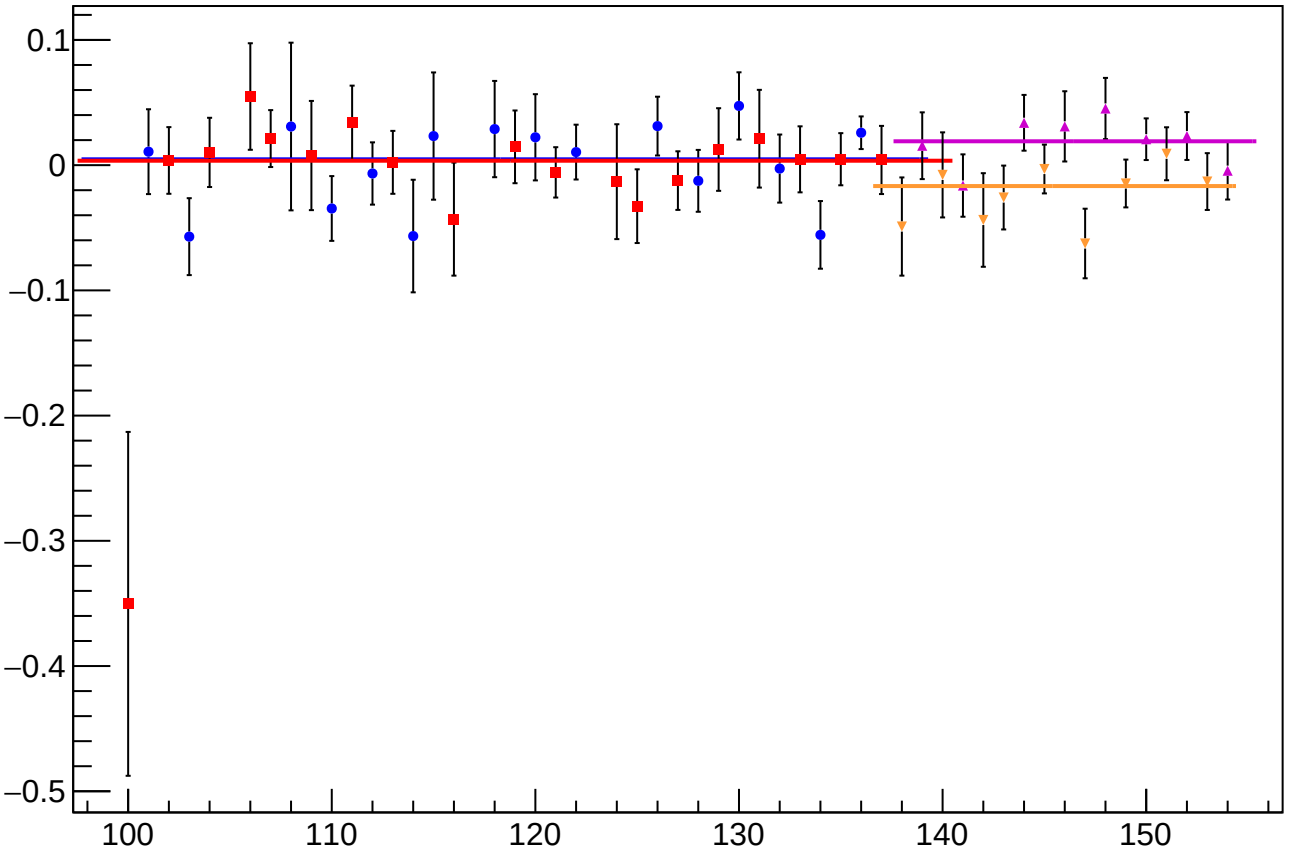
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:28.3/23

Out: -0.004+/-0.005 χ^2/NDF:23.4/27

All: 0.003+/-0.004 χ^2/NDF: 56.0/51


asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
35
30
25
20
15
10
100
110
120
130
140
150
Right In: 16.217+/-0.005 χ²/NDF: 943864.9/15
Left Out: 21.083+/-0.006 χ²/NDF:598845.4/8
Right Out: 16.766+/-0.005 χ²/NDF: 866715.7/18
Left In: 19.977+/-0.006 χ²/NDF:302318.9/7
Left: 20.502+/-0.004 χ²/NDF: 919996.5/16
Right: 16.489+/-0.003 χ²/NDF: 1817524.0/34
In: 17.763+/-0.004 χ²/NDF:1516112.3/23
Out: 18.454+/-0.004 χ²/NDF:1797545.9/27
All: 18.100+/-0.003 χ²/NDF: 3331981.8/51



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: 0.019+/-0.008 χ^2/NDF:4.9/7

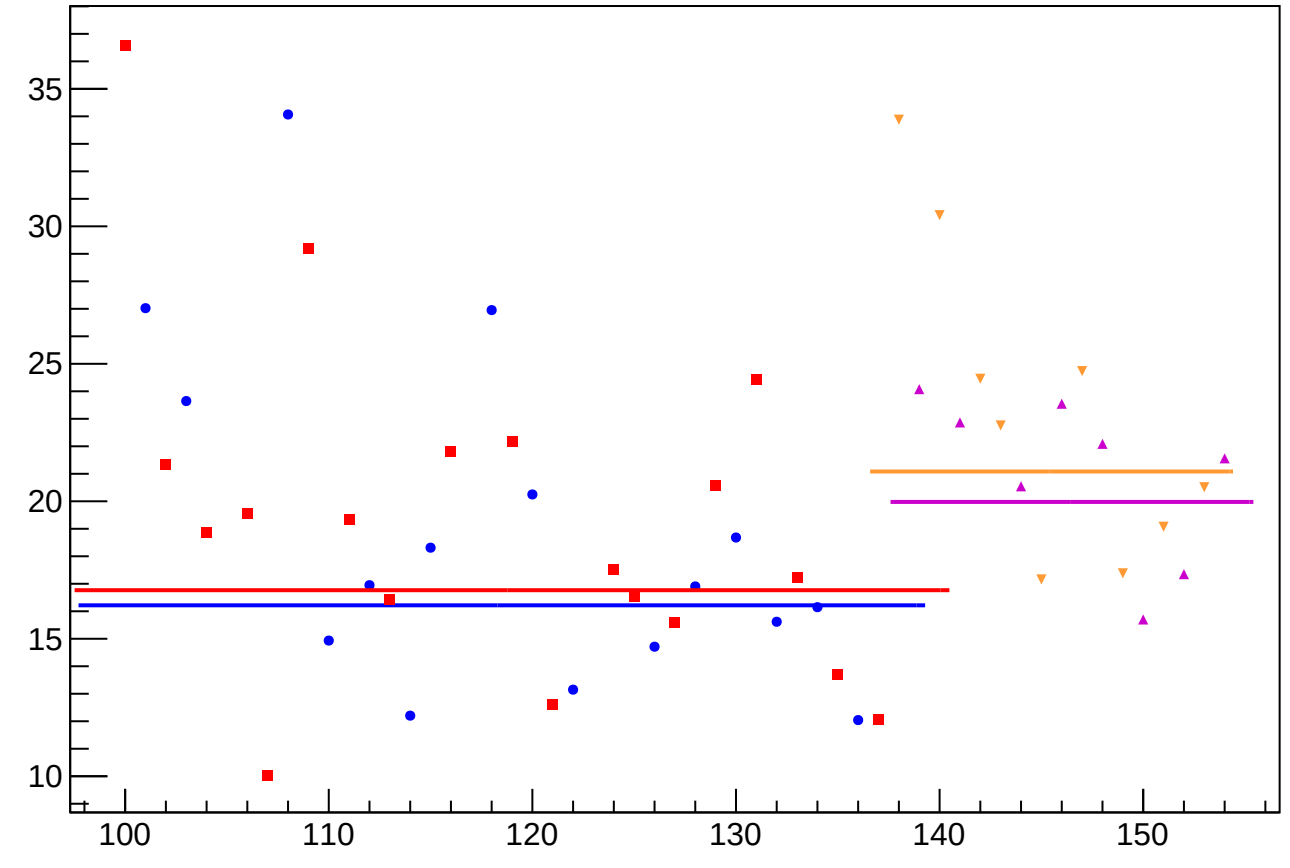
Left: 0.002+/-0.006 χ^2/NDF: 20.9/16

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:28.3/23

Out: -0.004+/-0.005 χ^2/NDF:23.4/27

All: 0.003+/-0.004 χ^2/NDF: 56.0/51



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: 19.977+/-0.006 χ^2/NDF:302318.9/7

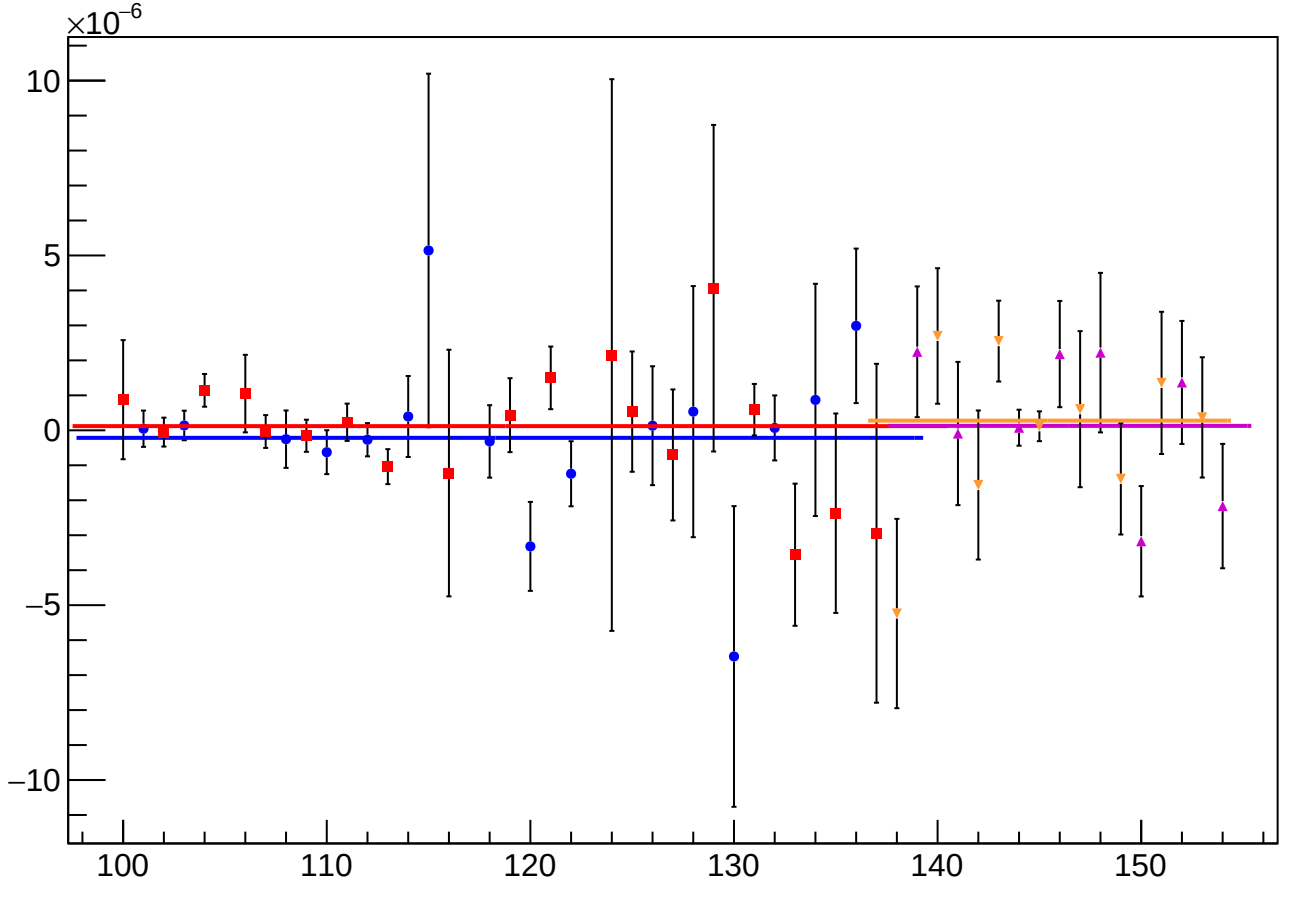
Left: 20.502+/-0.004 χ^2/NDF: 919996.5/16

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.763+/-0.004 χ^2/NDF:1516112.3/23

Out: 18.454+/-0.004 χ^2/NDF:1797545.9/27

All: 18.100+/-0.003 χ^2/NDF: 3331981.8/51



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:10.5/7

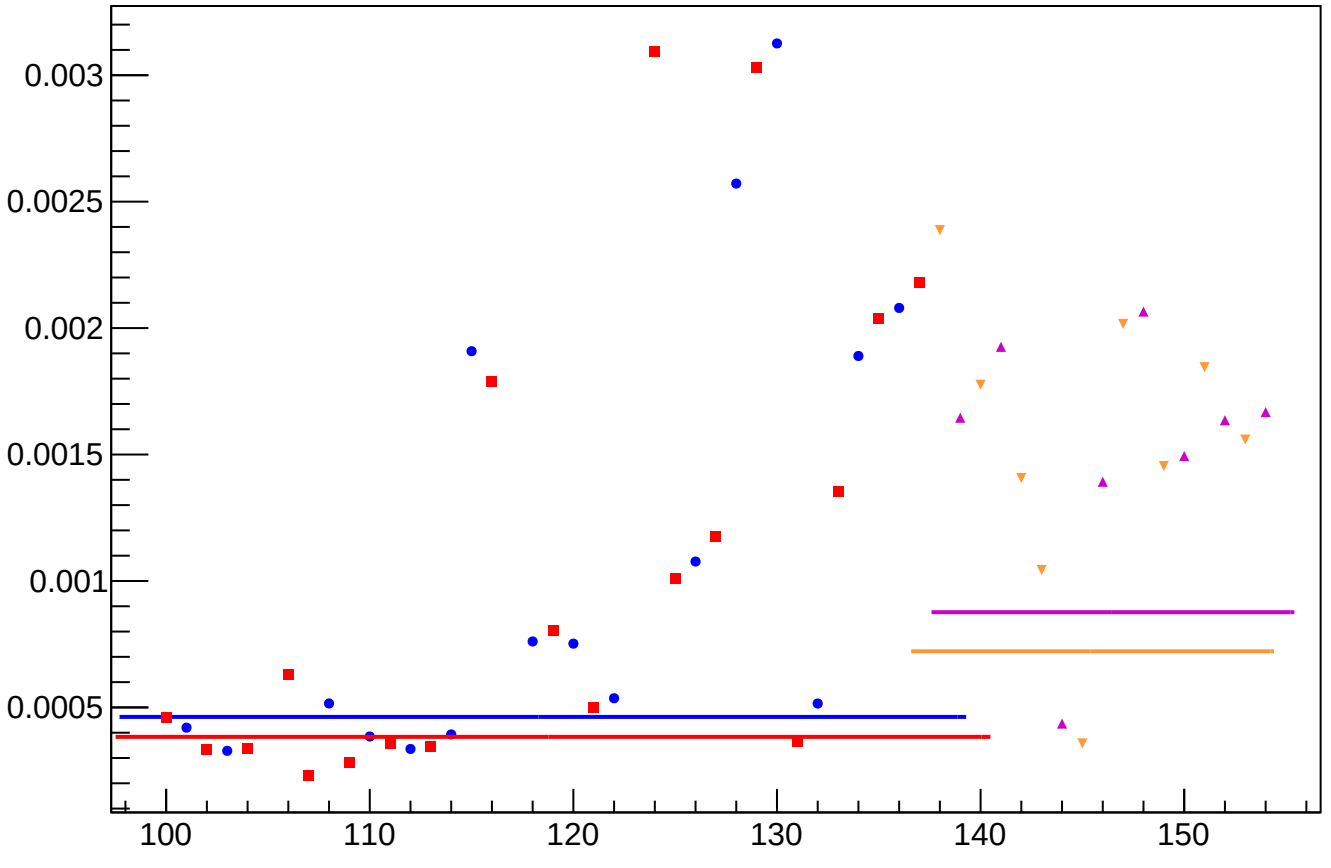
Left: 0.000+/-0.000 χ^2/NDF: 22.5/16

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:25.5/23

Out: 0.000+/-0.000 χ^2/NDF:32.3/27

All: 0.000+/-0.000 χ^2/NDF: 59.3/51



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:4178855.0/7

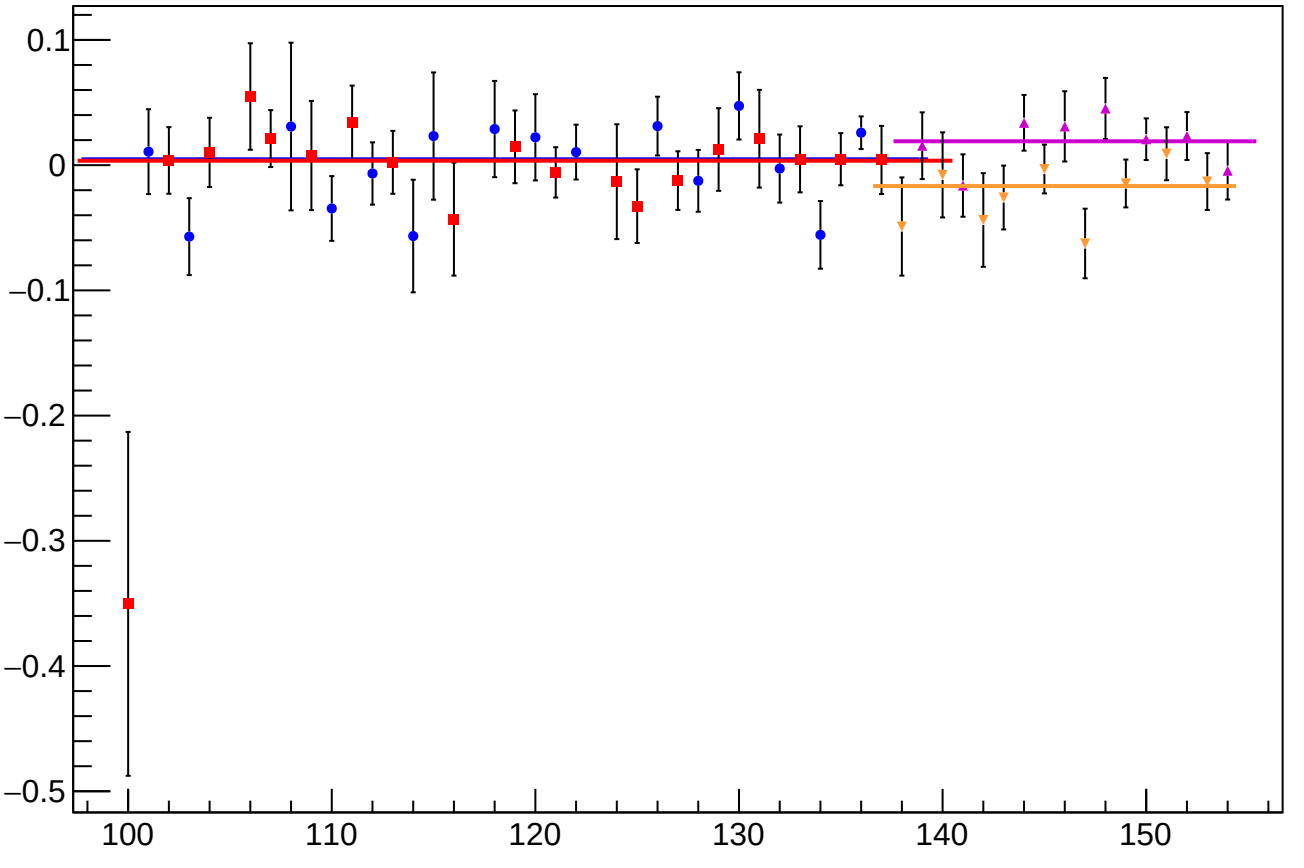
Left: 0.001+/-0.000 χ^2/NDF: 9692293.3/16

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:9822797.8/23

Out: 0.000+/-0.000 χ^2/NDF:10893133.2/27

All: 0.000+/-0.000 χ^2/NDF: 21046326.6/51



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: 0.019+/-0.008 χ^2/NDF:4.9/7

Left: 0.002+/-0.006 χ^2/NDF: 20.9/16

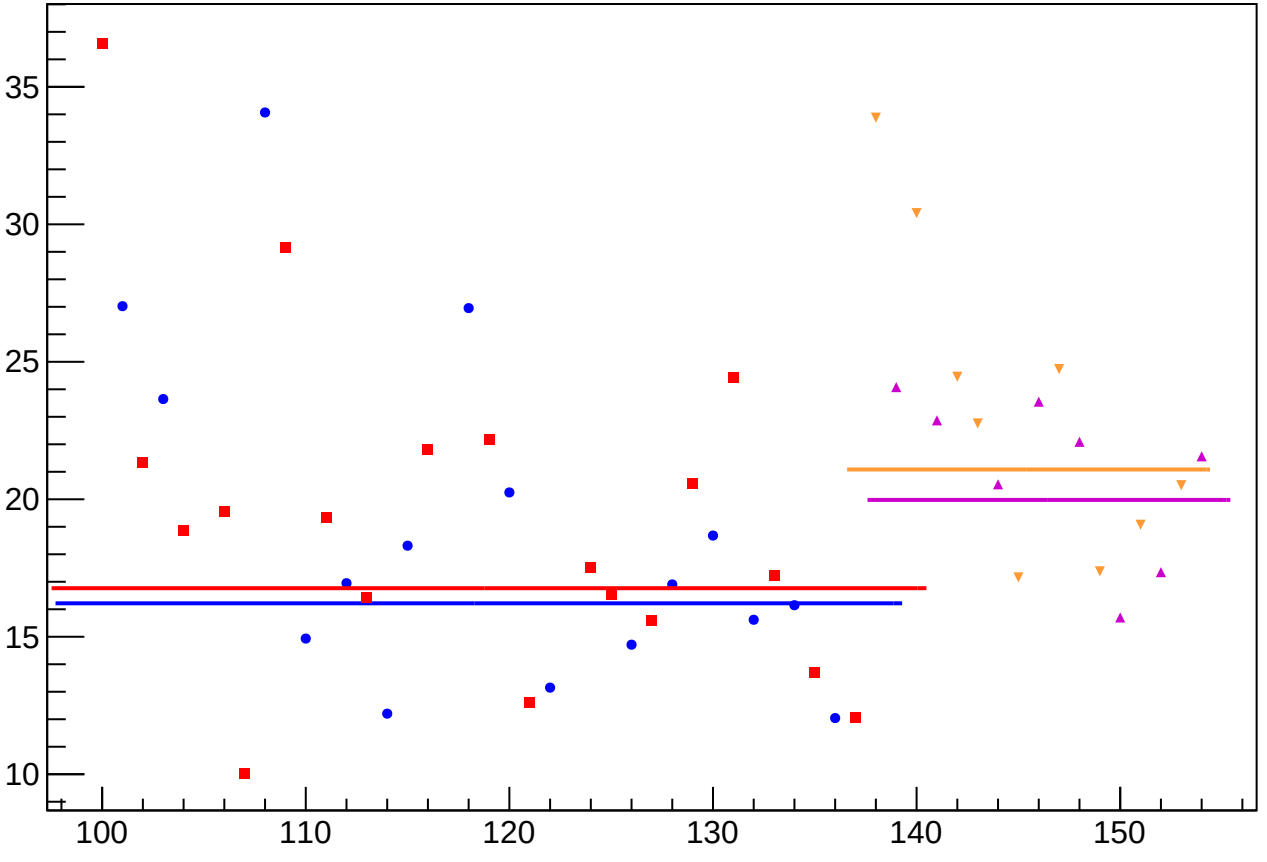
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:28.3/23

Out: -0.004+/-0.005 χ^2/NDF:23.4/27

All: 0.003+/-0.004 χ^2/NDF: 56.0/51

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: 19.977+/-0.006 χ^2/NDF:302402.4/7

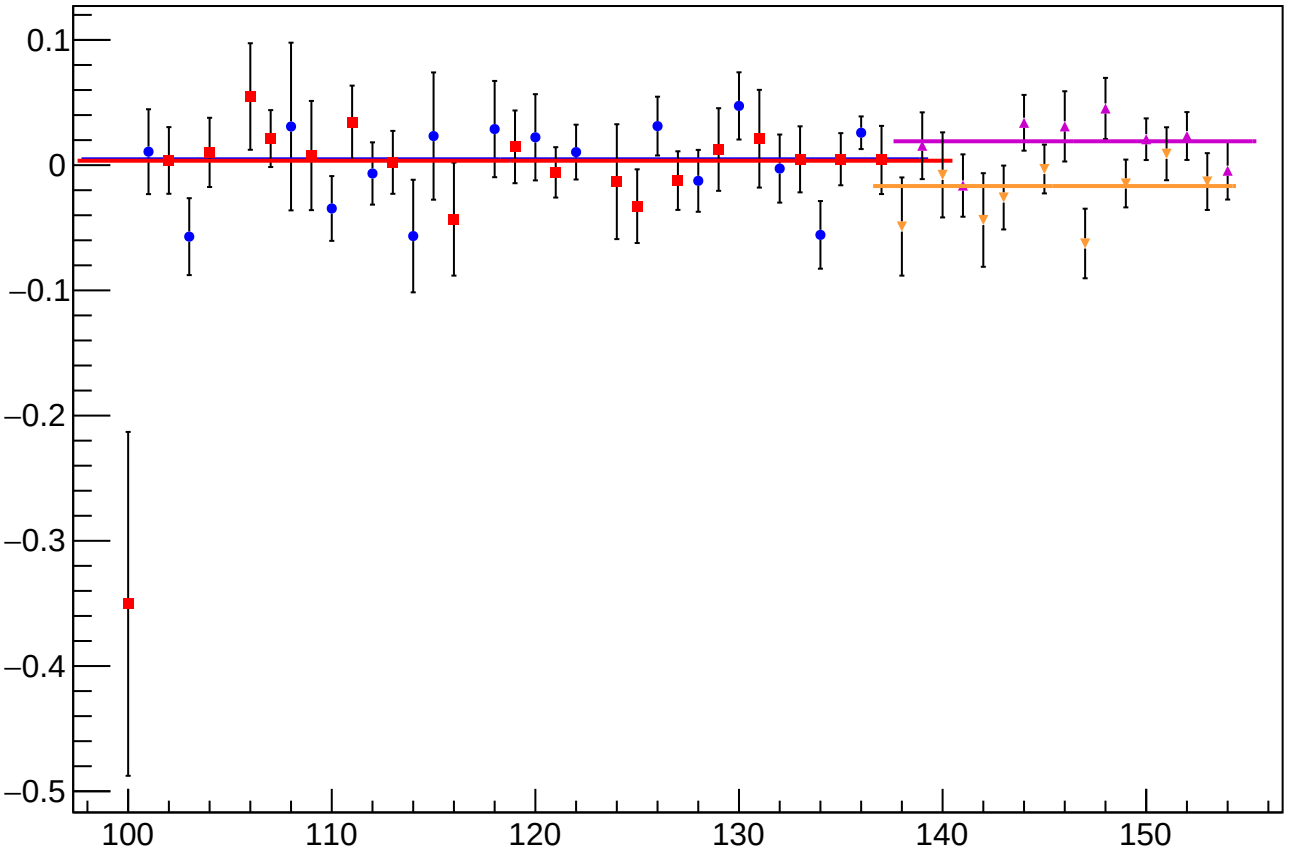
Left: 20.502+/-0.004 χ^2/NDF: 920125.0/16

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.763+/-0.004 χ^2/NDF:1516205.6/23

Out: 18.454+/-0.004 χ^2/NDF:1797643.6/27

All: 18.100+/-0.003 χ^2/NDF: 3332172.6/51



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: 0.019+/-0.008 χ^2/NDF:4.9/7

Left: 0.002+/-0.006 χ^2/NDF: 20.9/16

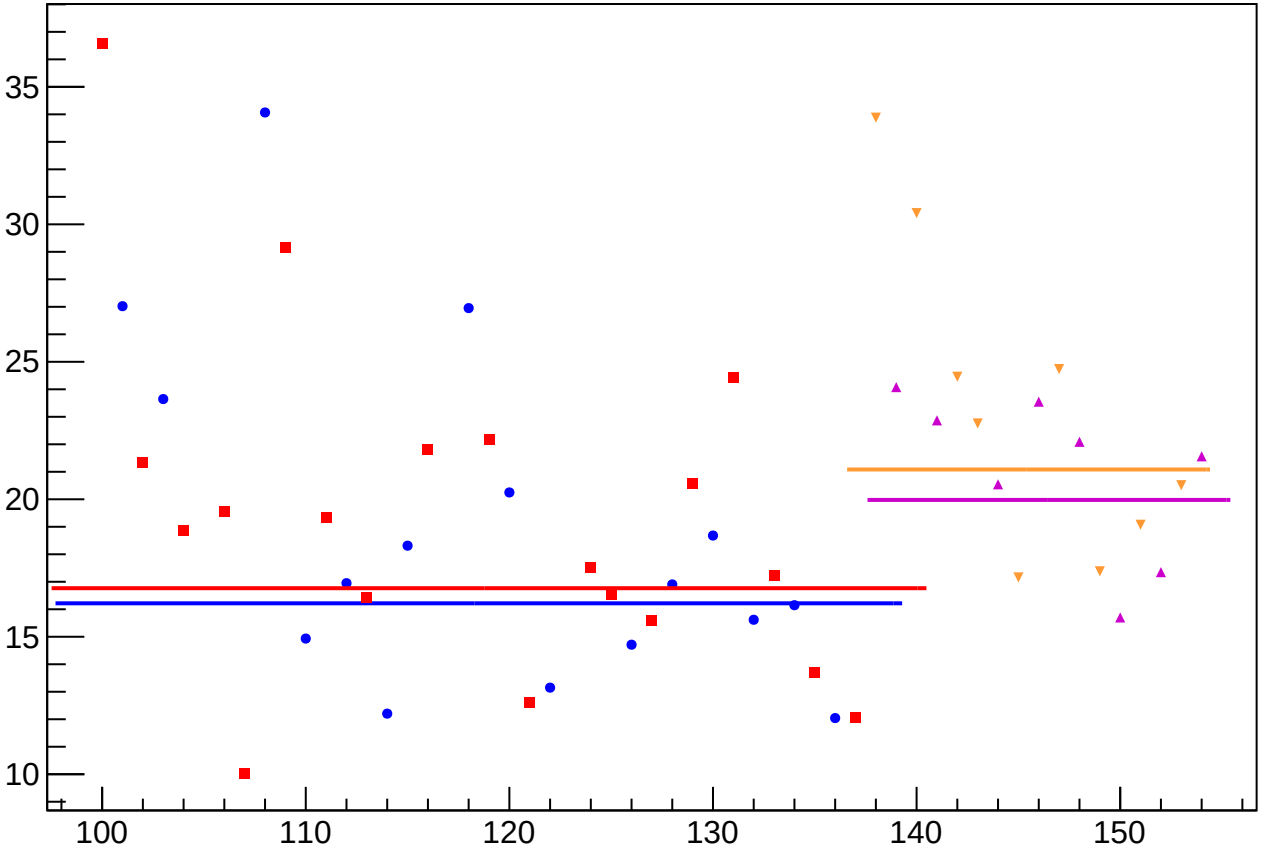
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:28.3/23

Out: -0.004+/-0.005 χ^2/NDF:23.4/27

All: 0.003+/-0.004 χ^2/NDF: 56.0/51

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: 19.977+/-0.006 χ^2/NDF:302402.4/7

Left: 20.502+/-0.004 χ^2/NDF: 920125.0/16

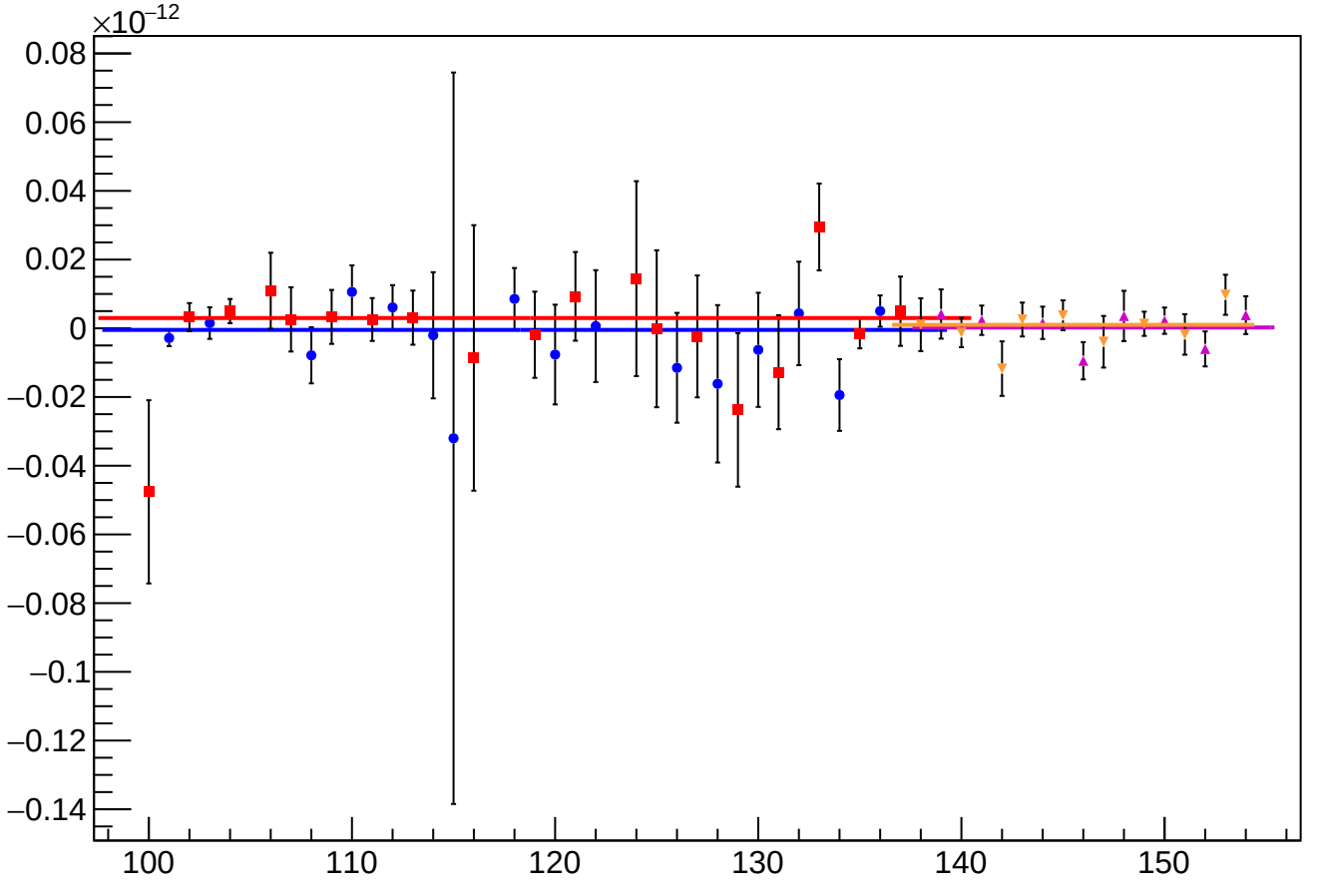
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.763+/-0.004 χ^2/NDF:1516205.6/23

Out: 18.454+/-0.004 χ^2/NDF:1797643.6/27

All: 18.100+/-0.003 χ^2/NDF: 3332172.6/51

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:6.2/7

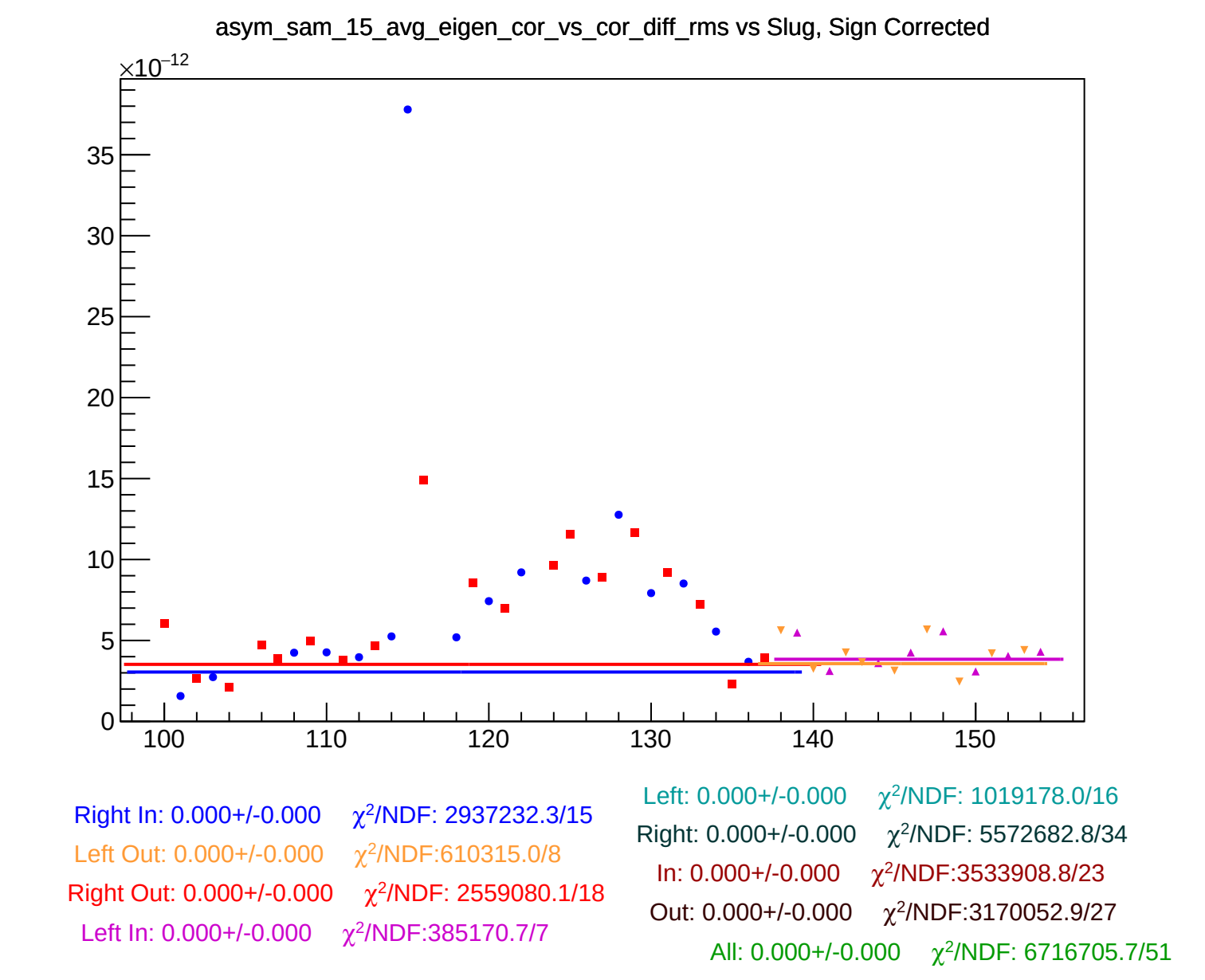
Left: 0.000+/-0.000 χ^2/NDF: 12.6/16

Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:18.6/23

Out: 0.000+/-0.000 χ^2/NDF:19.9/27

All: 0.000+/-0.000 χ^2/NDF: 40.0/51


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
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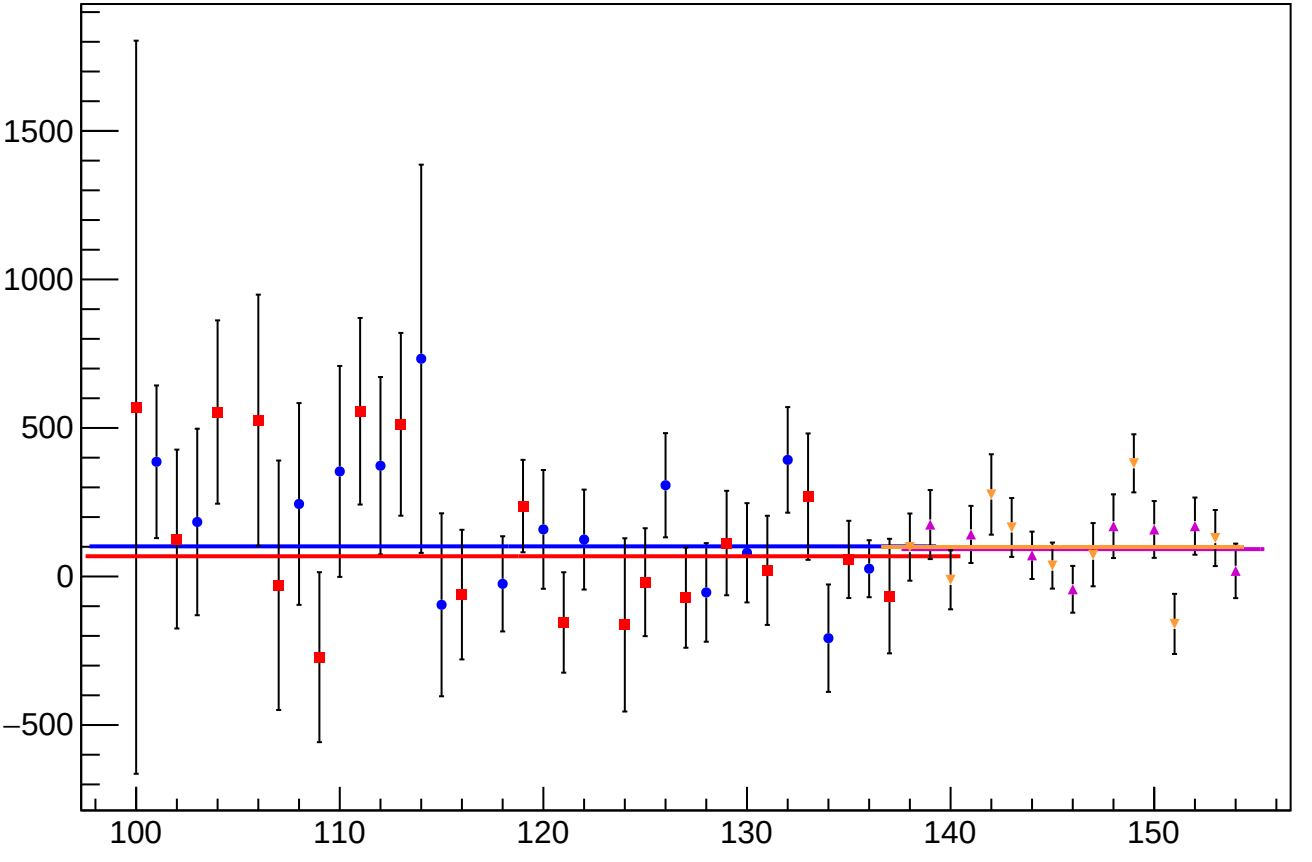
15
10
5
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:610315.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:385170.7/7
Left: 0.000+/-0.000 χ²/NDF: 1019178.0/16
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:3533908.8/23
Out: 0.000+/-0.000 χ²/NDF:3170052.9/27
All: 0.000+/-0.000 χ²/NDF: 6716705.7/51

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



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: 92.165+/-32.904 χ^2/NDF:6.1/7

Left: 95.677+/-23.384 χ^2/NDF: 25.1/16

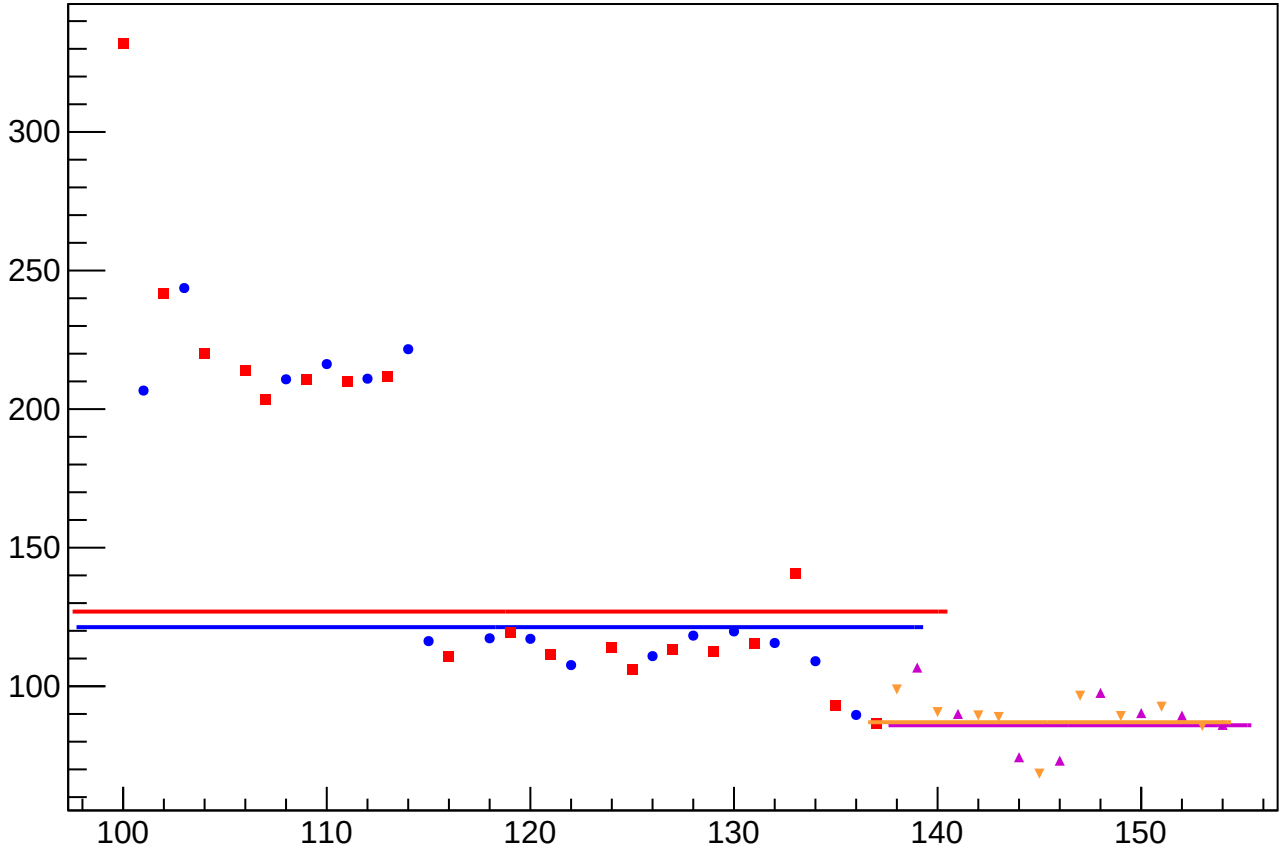
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 95.168+/-27.072 χ^2/NDF:19.4/23

Out: 89.533+/-27.564 χ^2/NDF:35.5/27

All: 92.401+/-19.315 χ^2/NDF: 54.9/51

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: 85.926+/-0.023 χ^2/NDF:192848.2/7

Left: 86.469+/-0.017 χ^2/NDF: 358136.8/16

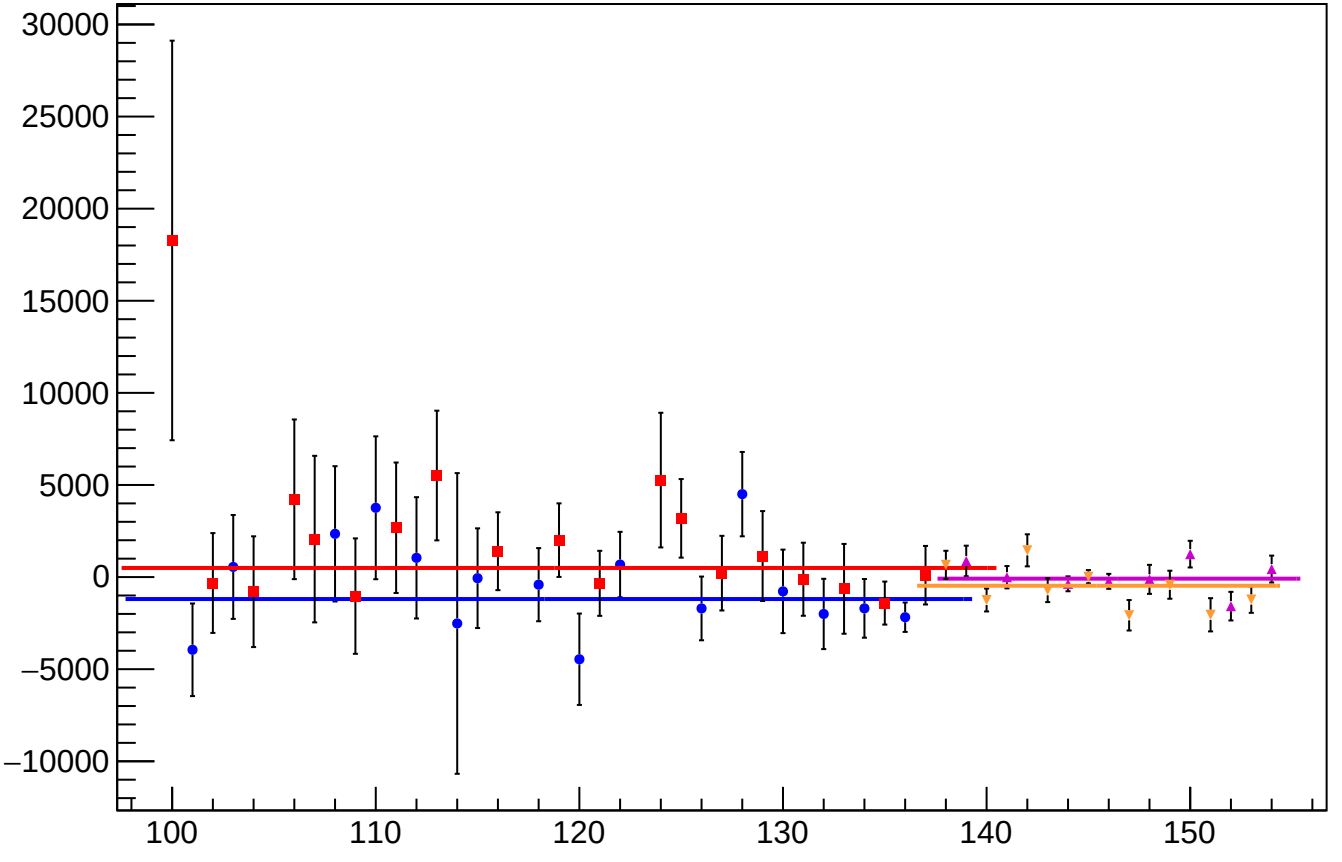
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 97.362+/-0.019 χ^2/NDF:2227313.7/23

Out: 99.488+/-0.019 χ^2/NDF:2536776.1/27

All: 98.406+/-0.014 χ^2/NDF: 4770144.6/51

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -470.298+/-213.344 χ^2/NDF:18.5/8

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -86.004+/-206.838 χ^2/NDF:9.5/7

Left: -272.203+/-148.503 χ^2/NDF: 29.7/16

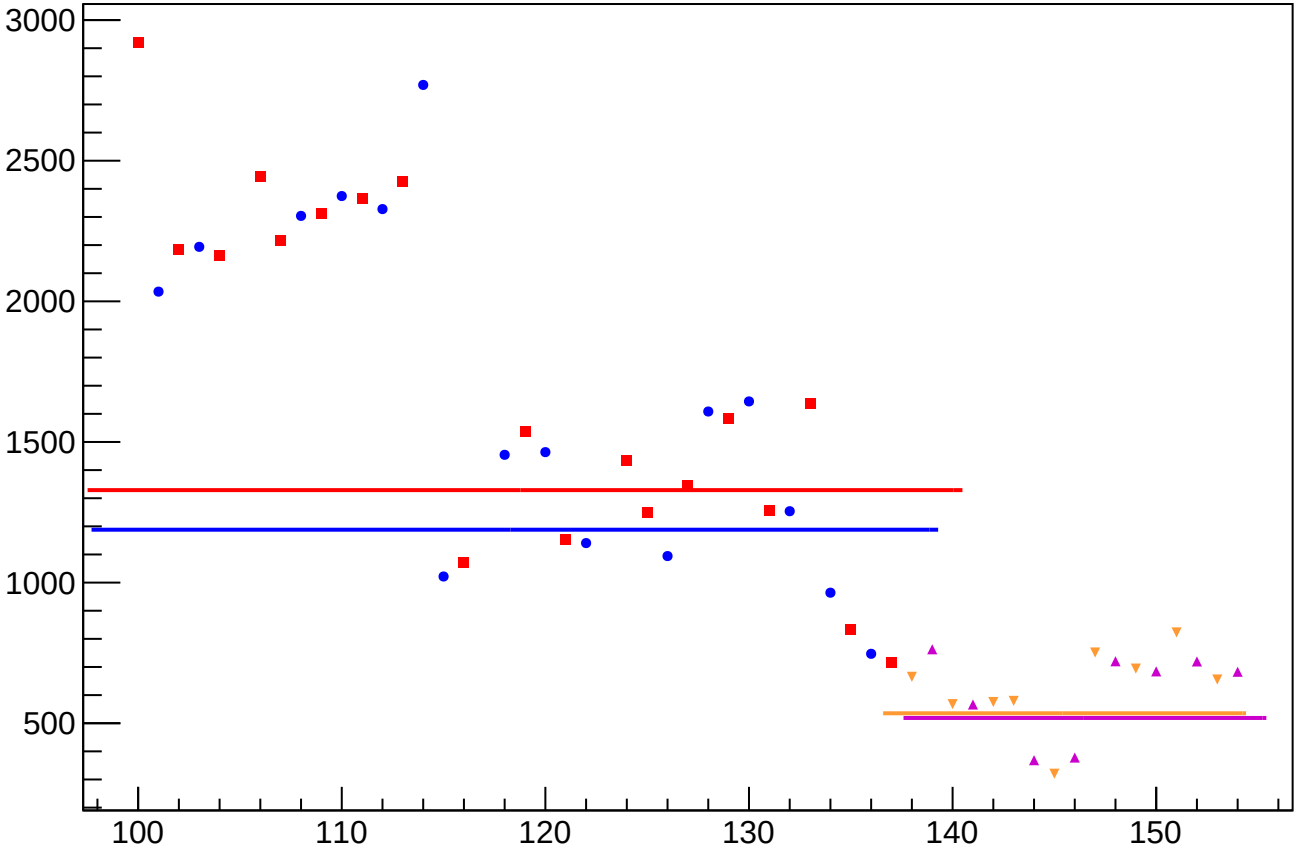
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -259.903+/-189.885 χ^2/NDF:30.0/23

Out: -332.077+/-197.473 χ^2/NDF:35.3/27

All: -294.577+/-136.873 χ^2/NDF: 65.3/51

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: 518.750+/-0.146 χ^2/NDF:1171320.3/7

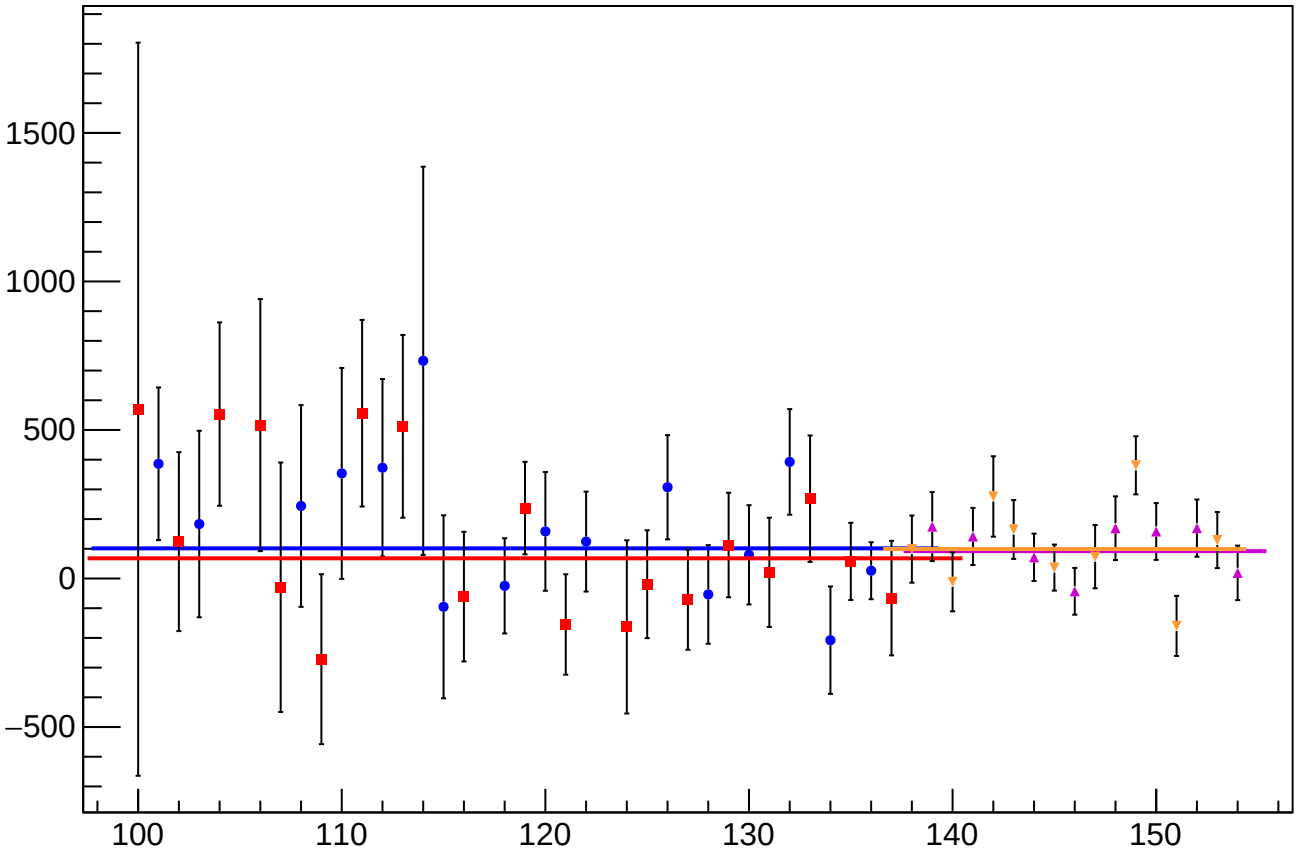
Left: 526.790+/-0.105 χ^2/NDF: 2440066.6/16

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

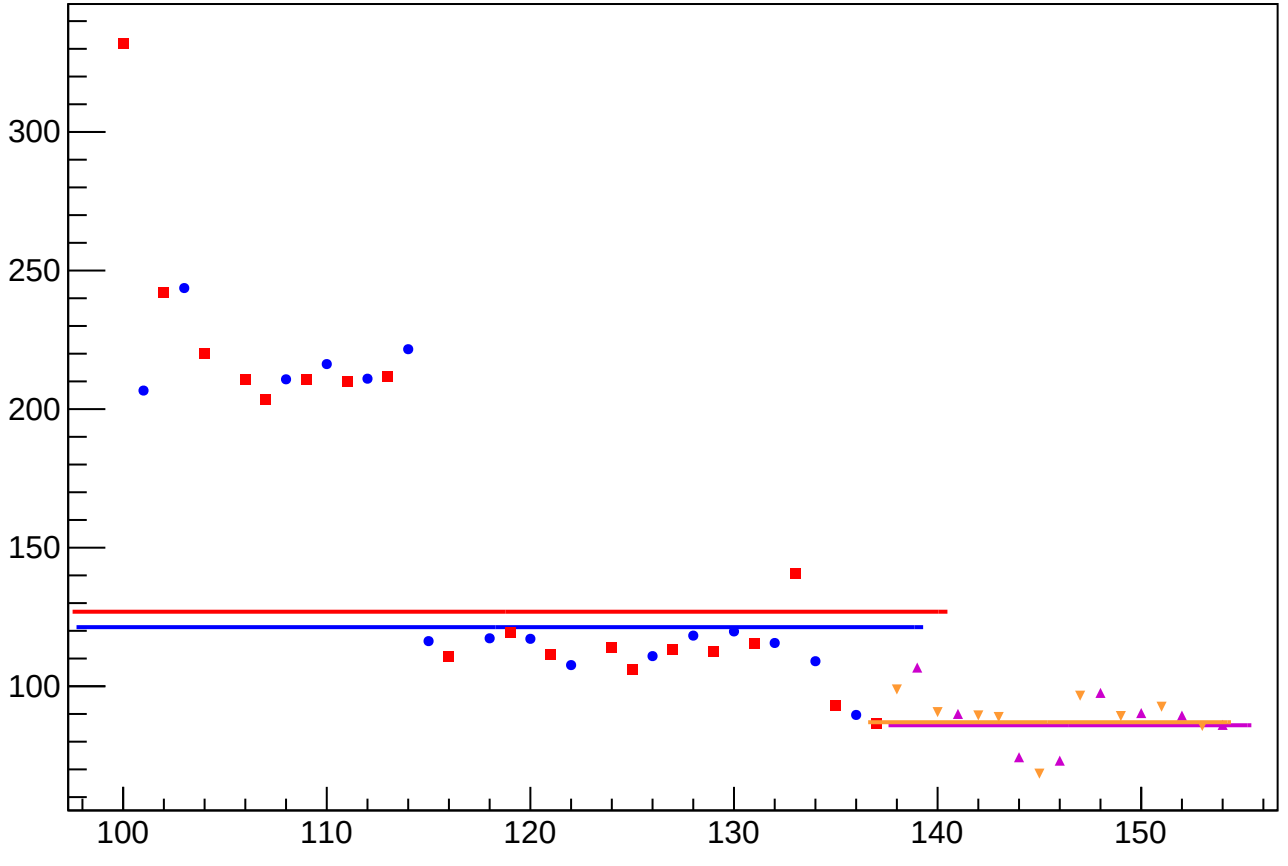
In: 623.973+/-0.134 χ^2/NDF:6508357.5/23

Out: 649.006+/-0.140 χ^2/NDF:7183188.6/27

All: 635.999+/-0.097 χ^2/NDF: 13708244.6/51


cor_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
Right In: 101.446+/-47.631 χ²/NDF: 13.3/15
Left Out: 99.266+/-33.238 χ²/NDF:19.0/8
Right Out: 67.881+/-49.331 χ²/NDF: 16.1/18
Left In: 92.164+/-32.904 χ²/NDF:6.1/7
Left: 95.679+/-23.384 χ²/NDF: 25.1/16
Right: 85.252+/-34.265 χ²/NDF: 29.7/34
In: 95.163+/-27.072 χ²/NDF:19.4/23
Out: 89.467+/-27.565 χ²/NDF:35.4/27
All: 92.366+/-19.315 χ²/NDF: 54.9/51

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



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: 85.926+/-0.023 χ^2/NDF:192848.2/7

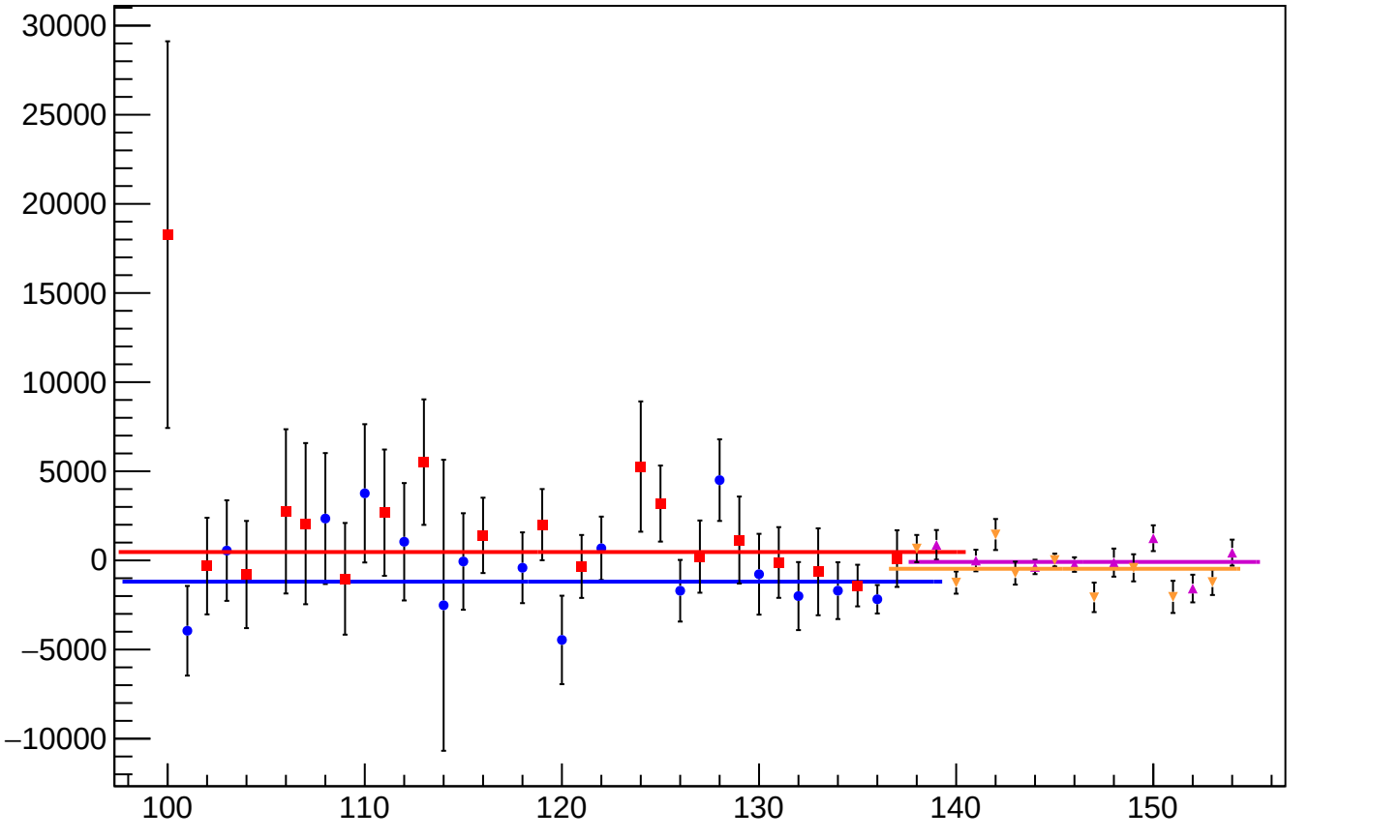
Left: 86.469+/-0.017 χ^2/NDF: 358136.8/16

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 97.362+/-0.019 χ^2/NDF:2227316.0/23

Out: 99.471+/-0.019 χ^2/NDF:2528329.3/27

All: 98.398+/-0.014 χ^2/NDF: 4761605.4/51



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -470.290+/-213.343 χ^2/NDF:18.5/8

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -86.002+/-206.838 χ^2/NDF:9.5/7

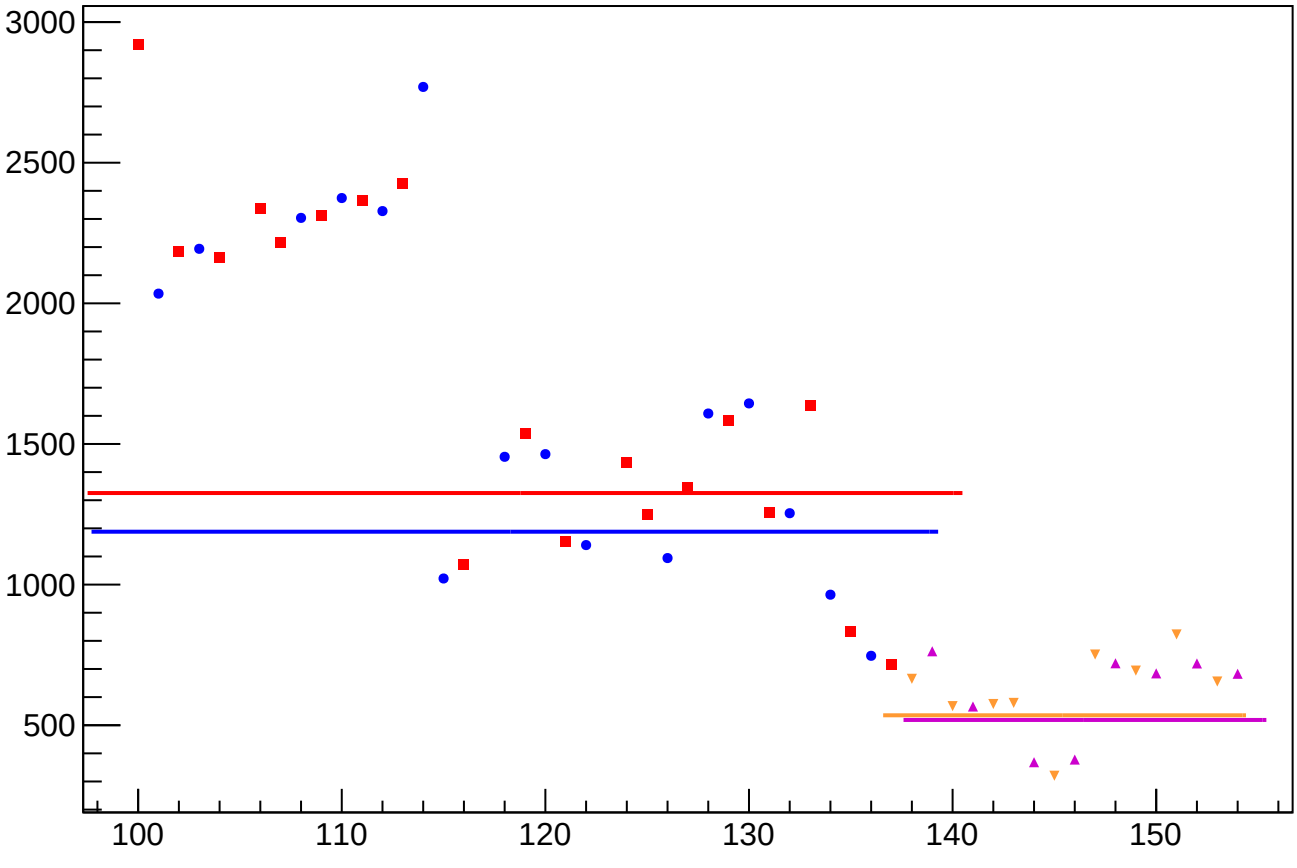
Left: -272.198+/-148.503 χ^2/NDF: 29.7/16

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -259.897+/-189.885 χ^2/NDF:30.0/23

Out: -335.834+/-197.497 χ^2/NDF:34.6/27

All: -296.374+/-136.881 χ^2/NDF: 64.7/51



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: 518.750+/-0.146 χ^2/NDF:1171321.2/7

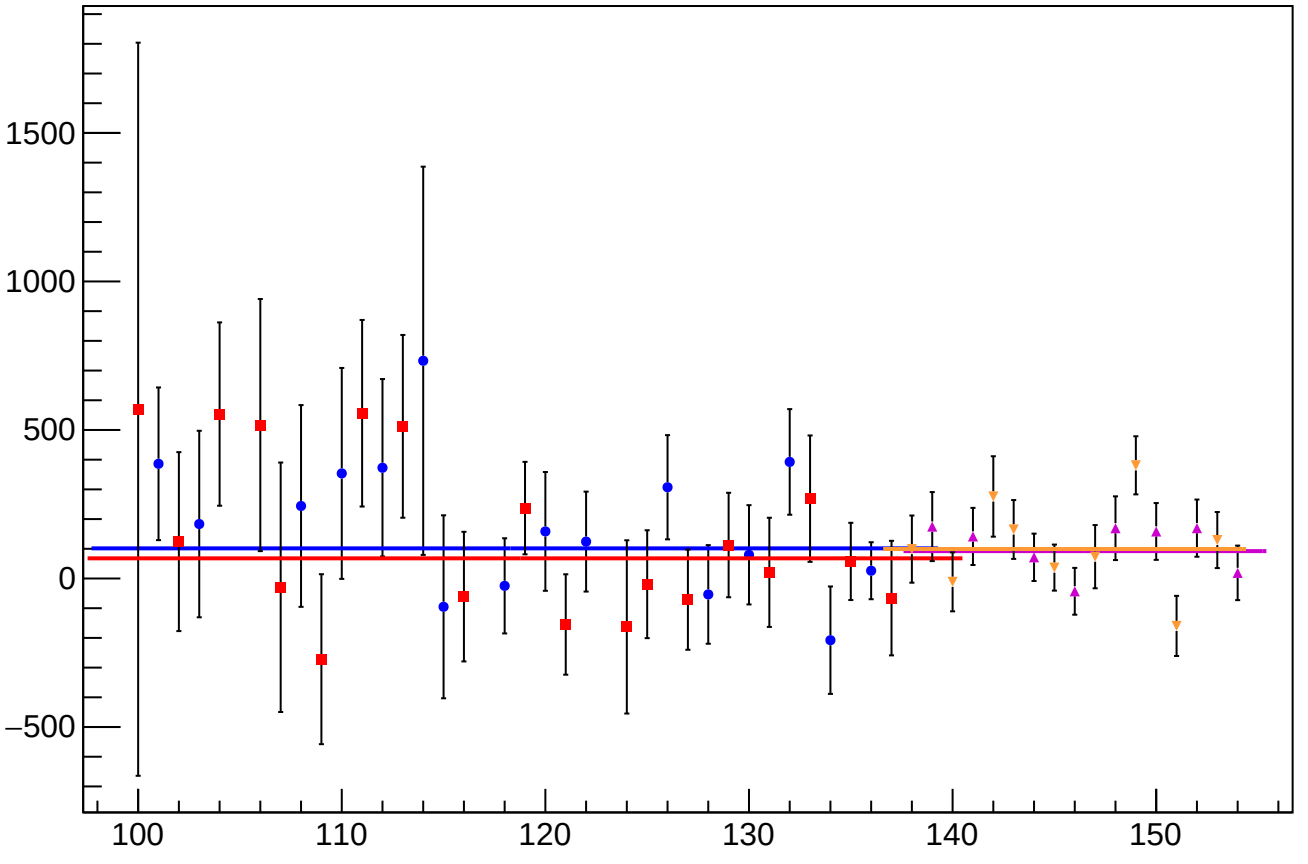
Left: 526.790+/-0.105 χ^2/NDF: 2440074.6/16

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 623.973+/-0.134 χ^2/NDF:6508380.9/23

Out: 648.373+/-0.140 χ^2/NDF:7108242.2/27

All: 635.693+/-0.097 χ^2/NDF: 13632486.5/51



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: 92.164+/-32.904 χ^2/NDF:6.1/7

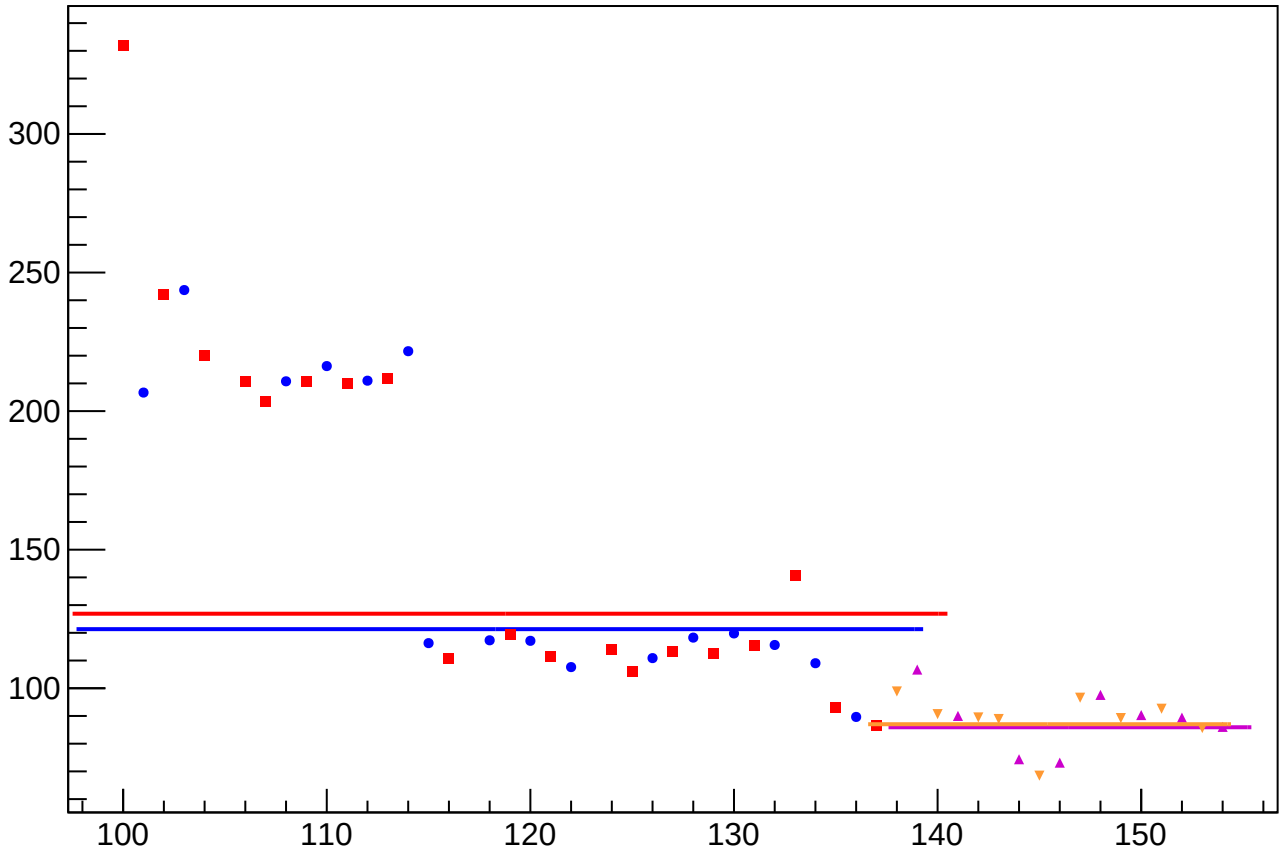
Left: 95.679+/-23.384 χ^2/NDF: 25.1/16

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 95.163+/-27.072 χ^2/NDF:19.4/23

Out: 89.467+/-27.565 χ^2/NDF:35.4/27

All: 92.366+/-19.315 χ^2/NDF: 54.9/51



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: 85.926+/-0.023 χ^2/NDF:192848.2/7

Left: 86.469+/-0.017 χ^2/NDF: 358136.8/16

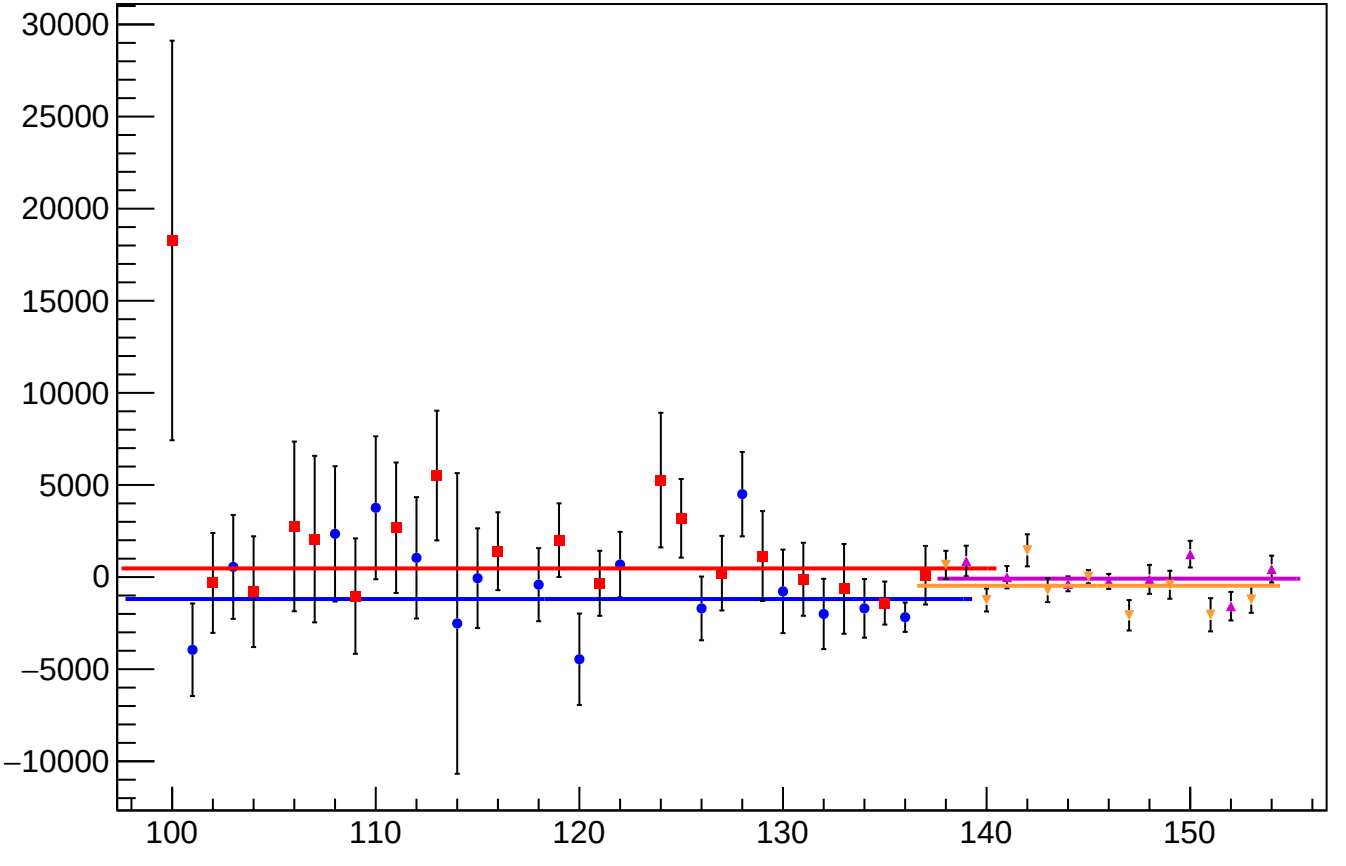
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 97.362+/-0.019 χ^2/NDF:2227316.0/23

Out: 99.471+/-0.019 χ^2/NDF:2528329.3/27

All: 98.398+/-0.014 χ^2/NDF: 4761605.4/51

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -470.290+/-213.343 χ^2/NDF:18.5/8

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -86.002+/-206.838 χ^2/NDF:9.5/7

Left: -272.198+/-148.503 χ^2/NDF: 29.7/16

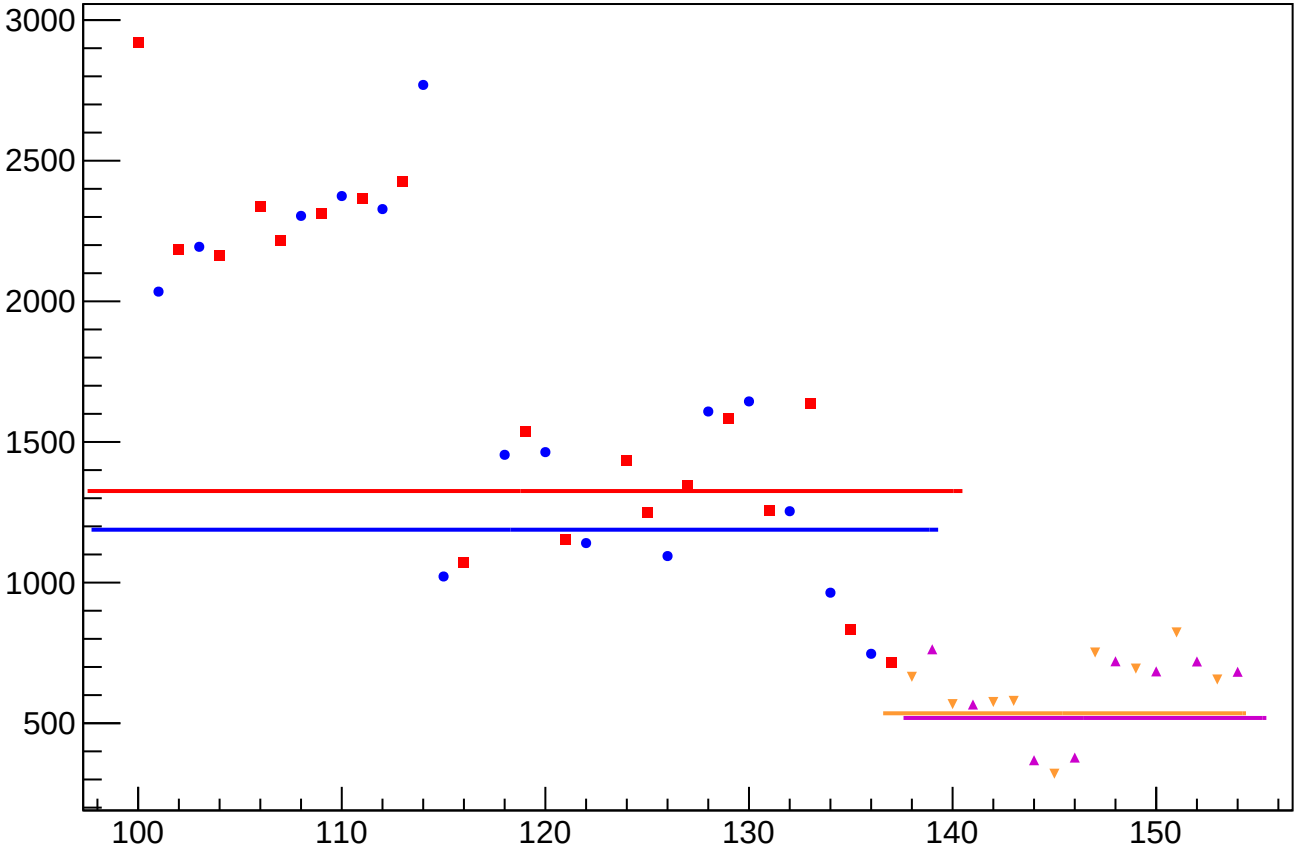
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -259.897+/-189.885 χ^2/NDF:30.0/23

Out: -335.834+/-197.497 χ^2/NDF:34.6/27

All: -296.374+/-136.881 χ^2/NDF: 64.7/51

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 535.343+/-0.151 χ^2/NDF:1262516.3/8

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 518.750+/-0.146 χ^2/NDF:1171321.2/7

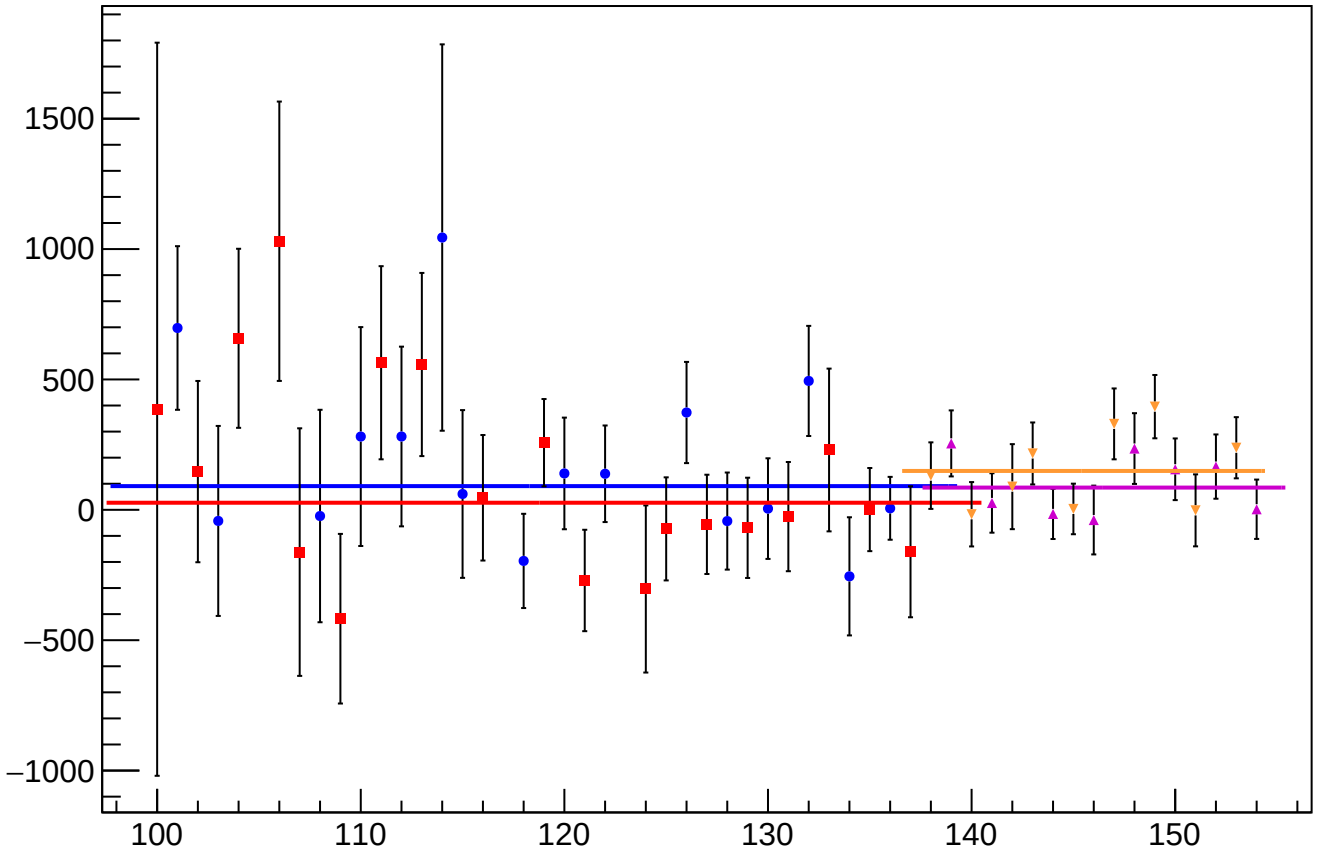
Left: 526.790+/-0.105 χ^2/NDF: 2440074.6/16

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 623.973+/-0.134 χ^2/NDF:6508380.9/23

Out: 648.373+/-0.140 χ^2/NDF:7108242.2/27

All: 635.693+/-0.097 χ^2/NDF: 13632486.5/51



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: 85.271+/-41.747 χ^2/NDF:6.6/7

Left: 117.590+/-29.326 χ^2/NDF: 20.0/16

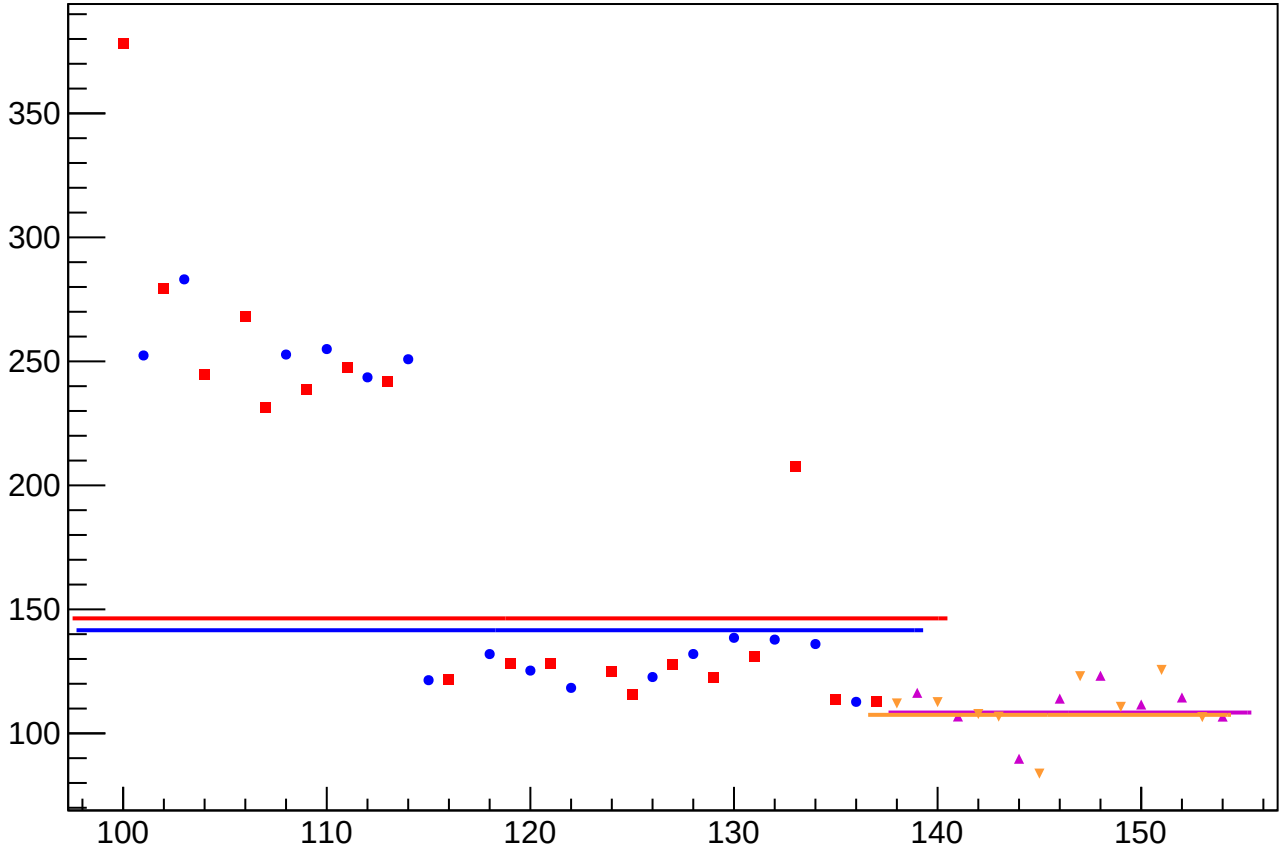
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 87.305+/-33.376 χ^2/NDF:24.7/23

Out: 107.250+/-33.397 χ^2/NDF:35.8/27

All: 97.271+/-23.608 χ^2/NDF: 60.6/51

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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: 108.395+/-0.030 χ^2/NDF:117513.7/7

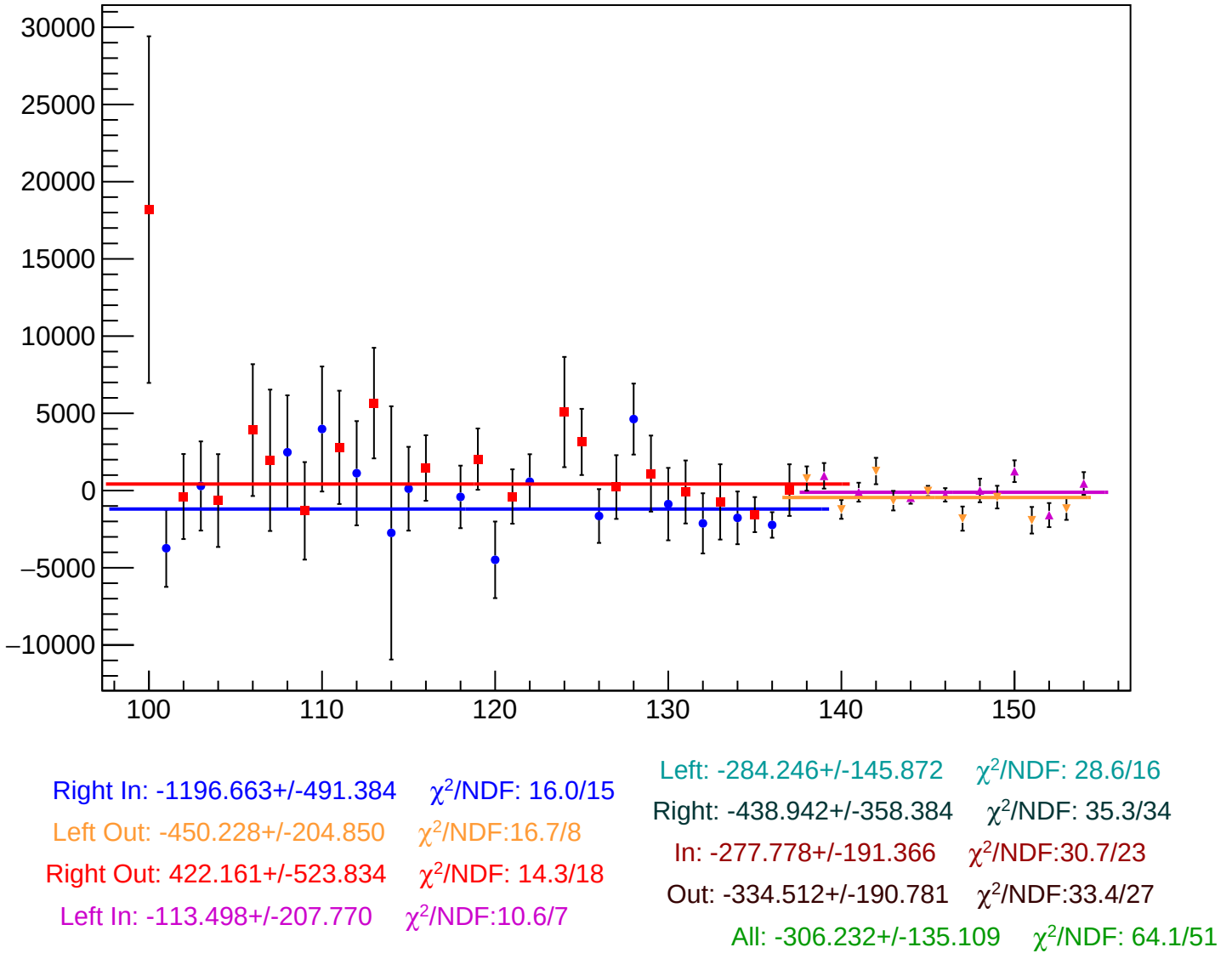
Left: 107.928+/-0.021 χ^2/NDF: 305816.7/16

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

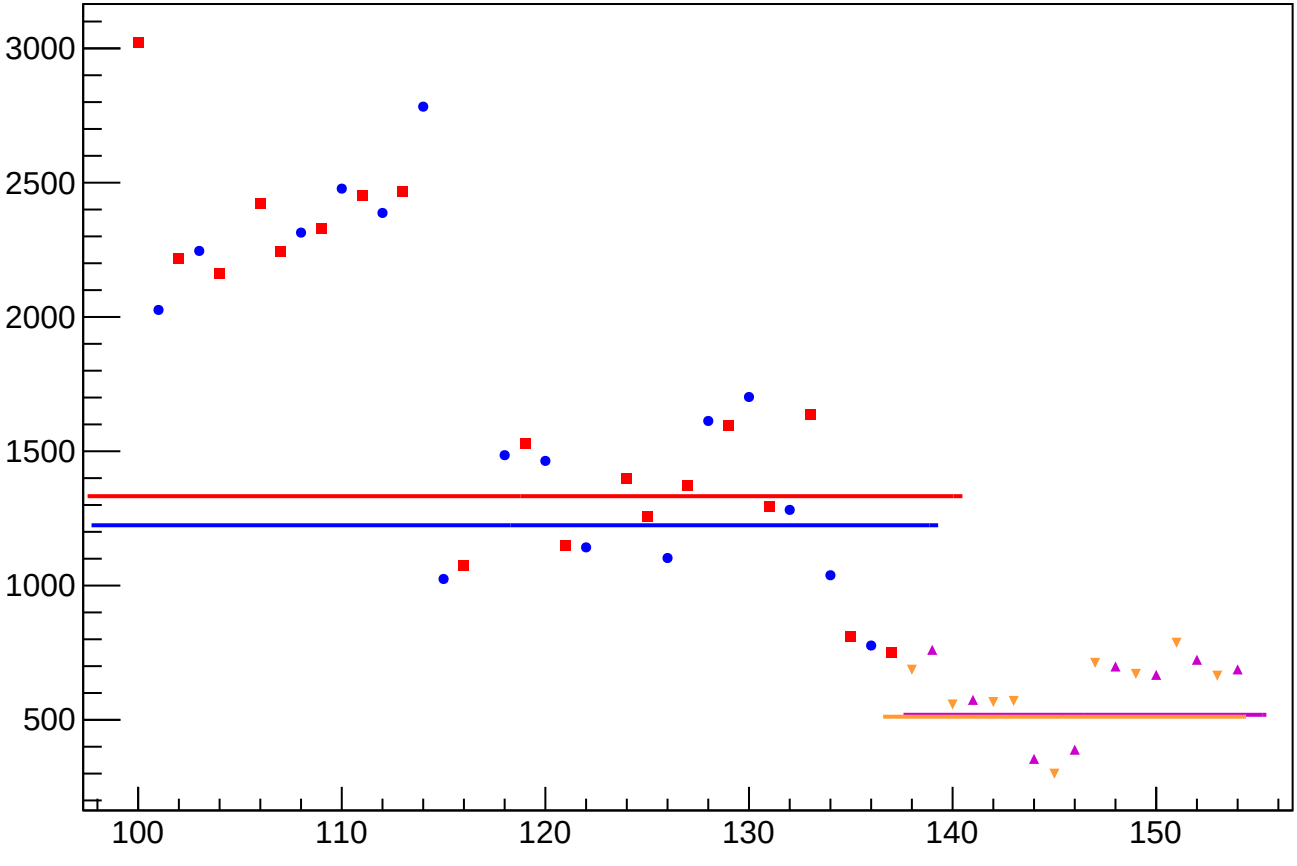
In: 120.371+/-0.024 χ^2/NDF:1836027.6/23

Out: 120.818+/-0.024 χ^2/NDF:2312912.6/27

All: 120.594+/-0.017 χ^2/NDF: 4149119.3/51


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: -113.498+/-207.770 χ²/NDF:10.6/7
Left: -284.246+/-145.872 χ²/NDF: 28.6/16
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -277.778+/-191.366 χ²/NDF:30.7/23
Out: -334.512+/-190.781 χ²/NDF:33.4/27
All: -306.232+/-135.109 χ²/NDF: 64.1/51

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



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: 518.885+/-0.147 χ^2/NDF:1161563.9/7

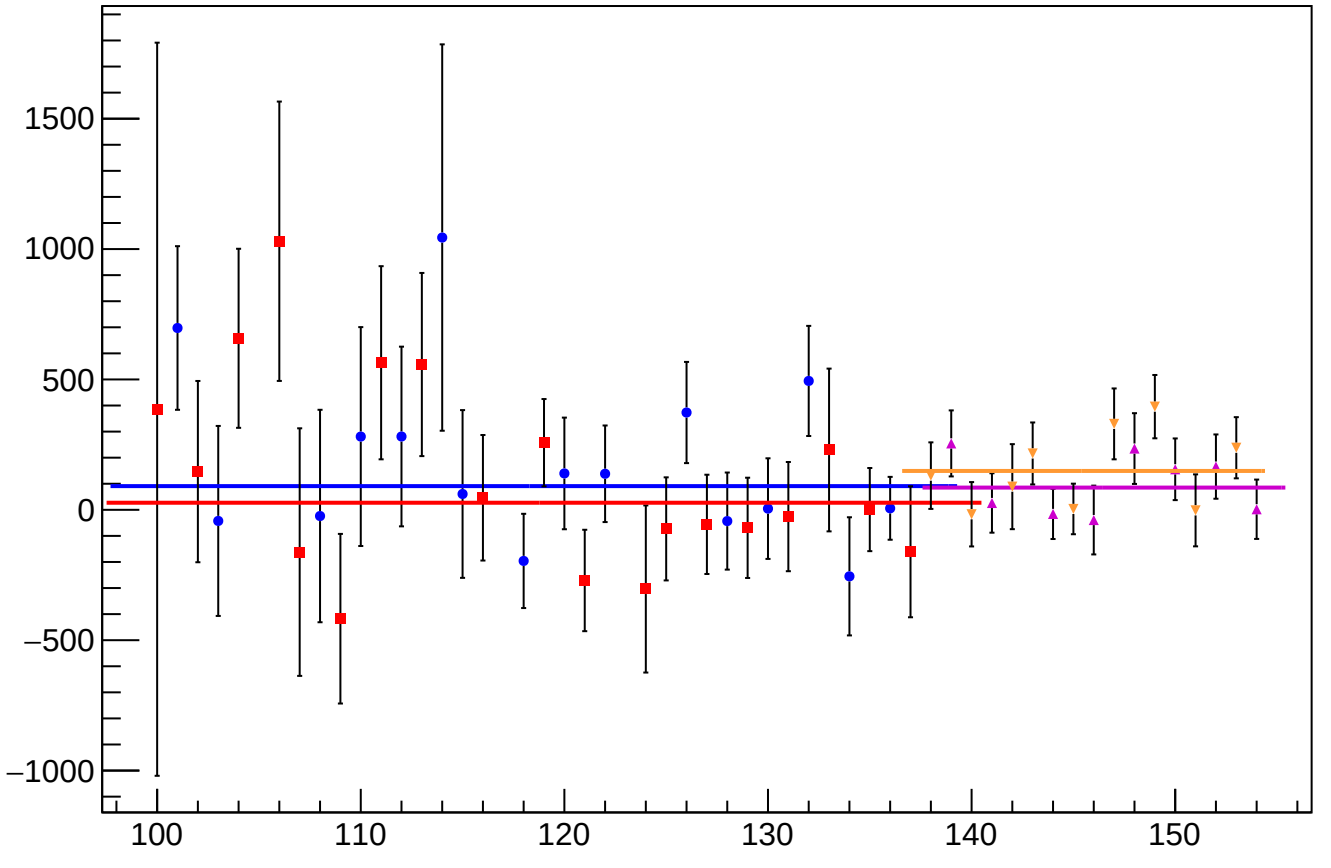
Left: 515.266+/-0.103 χ^2/NDF: 2622049.4/16

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 625.898+/-0.135 χ^2/NDF:6619201.9/23

Out: 620.653+/-0.135 χ^2/NDF:7715628.7/27

All: 623.268+/-0.096 χ^2/NDF: 14335584.1/51



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: 85.270+/-41.747 χ^2/NDF:6.6/7

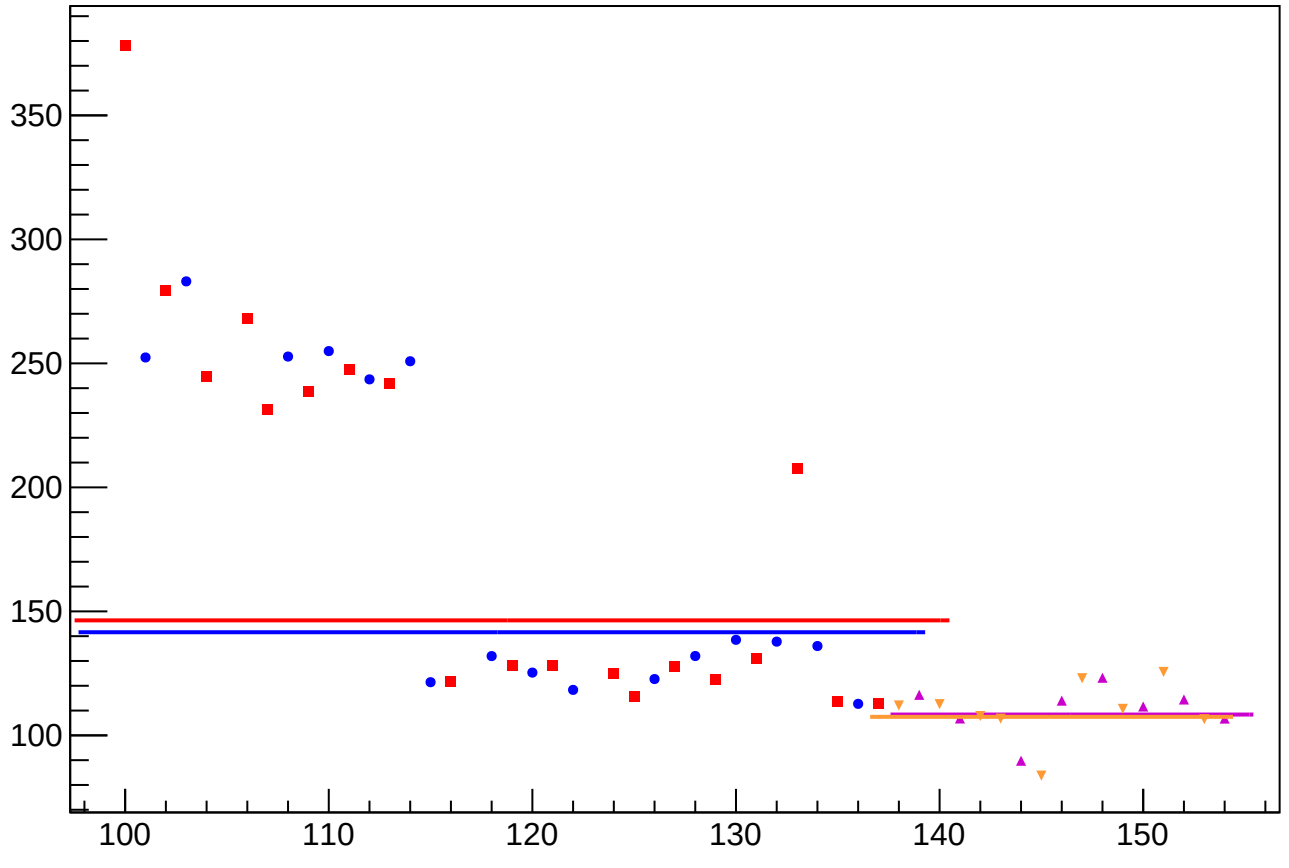
Left: 117.589+/-29.326 χ^2/NDF: 20.0/16

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 87.305+/-33.376 χ^2/NDF:24.7/23

Out: 107.249+/-33.397 χ^2/NDF:35.8/27

All: 97.271+/-23.608 χ^2/NDF: 60.6/51



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: 108.396+/-0.030 χ^2/NDF:117511.0/7

Left: 107.928+/-0.021 χ^2/NDF: 305806.2/16

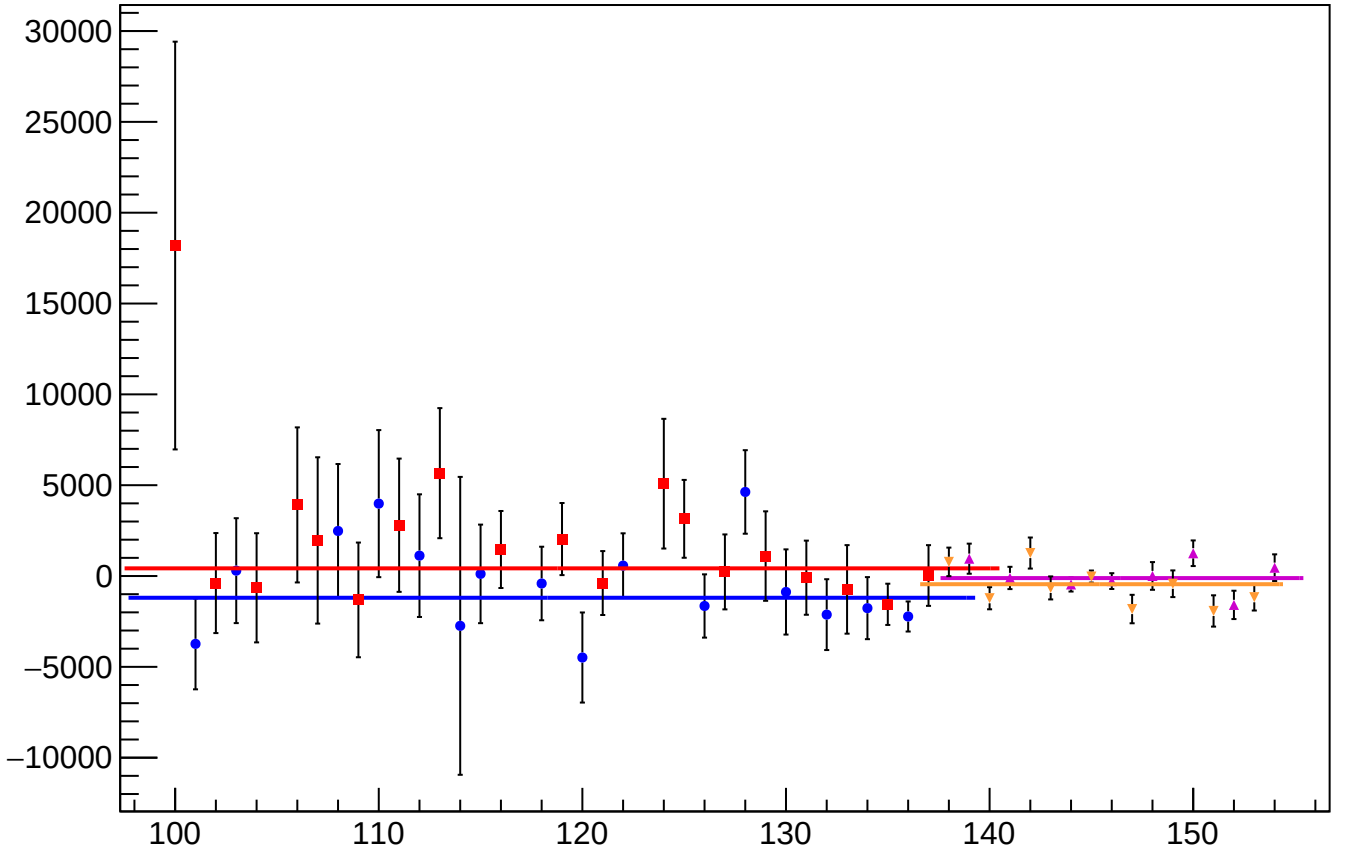
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 120.371+/-0.024 χ^2/NDF:1835979.3/23

Out: 120.818+/-0.024 χ^2/NDF:2312864.9/27

All: 120.594+/-0.017 χ^2/NDF: 4149023.4/51

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: -113.498+/-207.769 χ^2/NDF:10.6/7

Left: -284.245+/-145.872 χ^2/NDF: 28.6/16

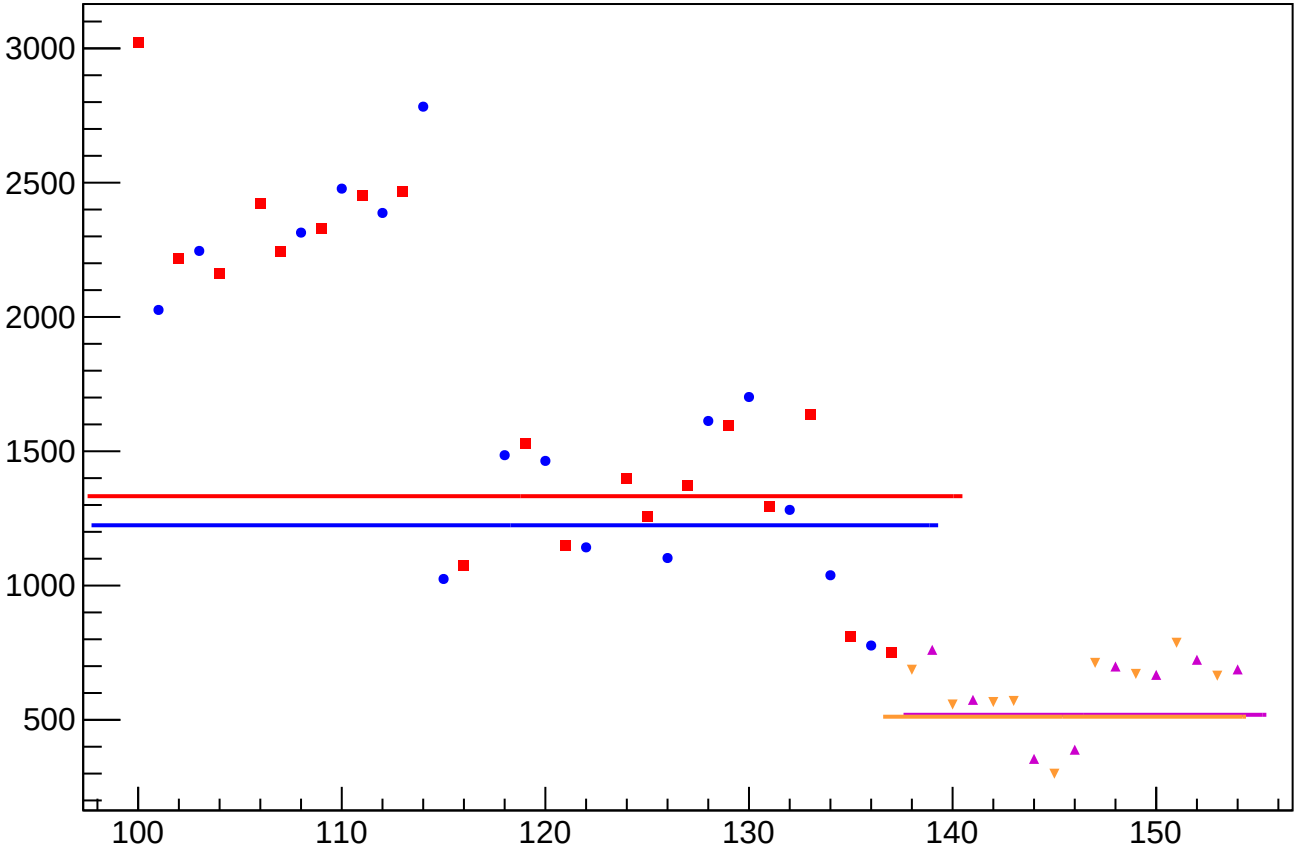
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -277.777+/-191.366 χ^2/NDF:30.7/23

Out: -334.511+/-190.780 χ^2/NDF:33.4/27

All: -306.231+/-135.109 χ^2/NDF: 64.1/51

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: 518.883+/-0.147 χ^2/NDF:1161577.2/7

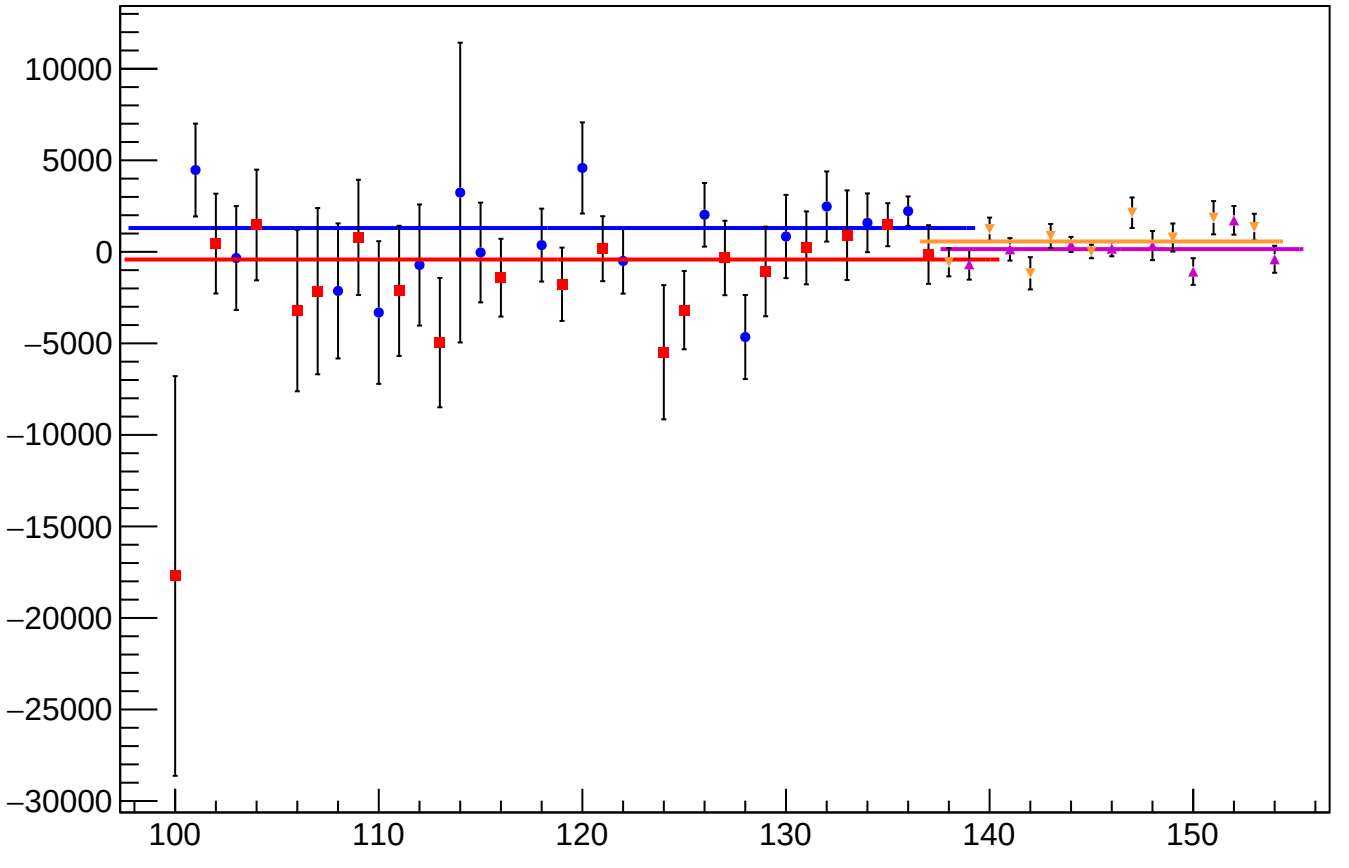
Left: 515.264+/-0.103 χ^2/NDF: 2622098.7/16

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 625.897+/-0.135 χ^2/NDF:6619210.1/23

Out: 620.650+/-0.135 χ^2/NDF:7715677.1/27

All: 623.266+/-0.096 χ^2/NDF: 14335641.1/51



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: 148.128+/-210.135 χ^2/NDF:8.8/7

Left: 351.107+/-150.811 χ^2/NDF: 27.1/16

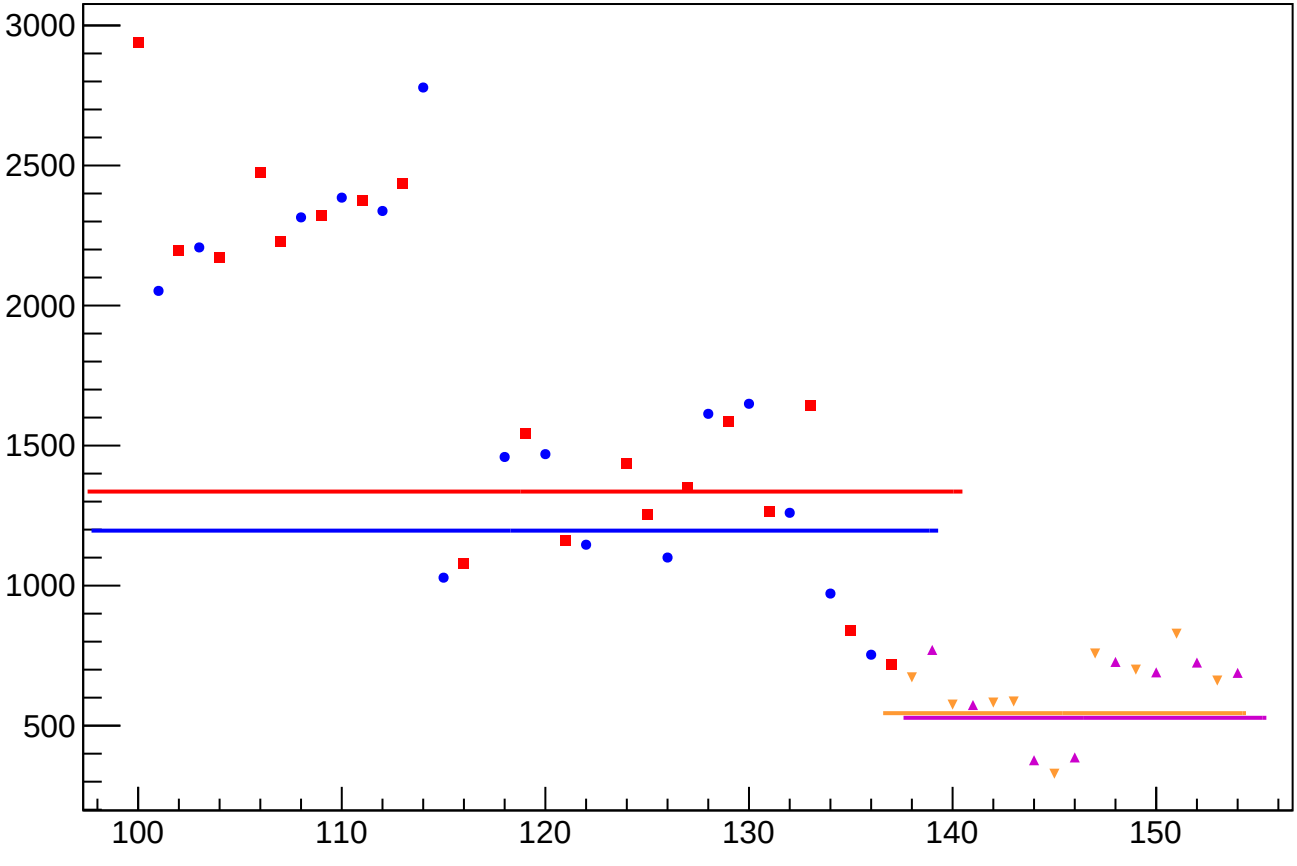
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 332.379+/-192.623 χ^2/NDF:30.1/23

Out: 423.241+/-200.176 χ^2/NDF:32.4/27

All: 376.064+/-138.798 χ^2/NDF: 62.7/51

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: 528.082+/-0.149 χ^2/NDF:1124893.5/7

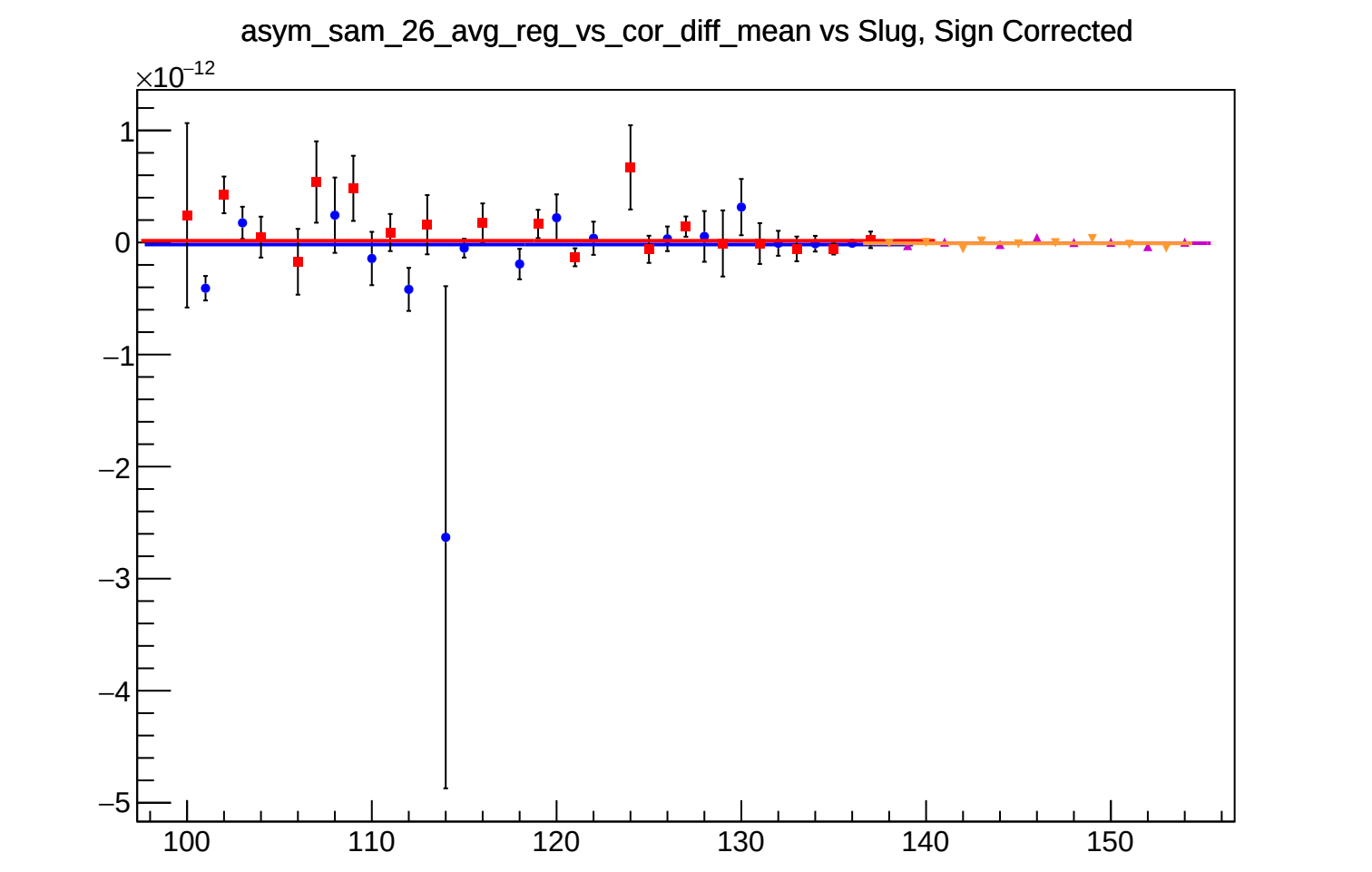
Left: 536.104+/-0.107 χ^2/NDF: 2340151.4/16

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 634.827+/-0.136 χ^2/NDF:6387573.8/23

Out: 659.860+/-0.142 χ^2/NDF:7048535.6/27

All: 646.862+/-0.098 χ^2/NDF: 13452349.1/51



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:10.9/7

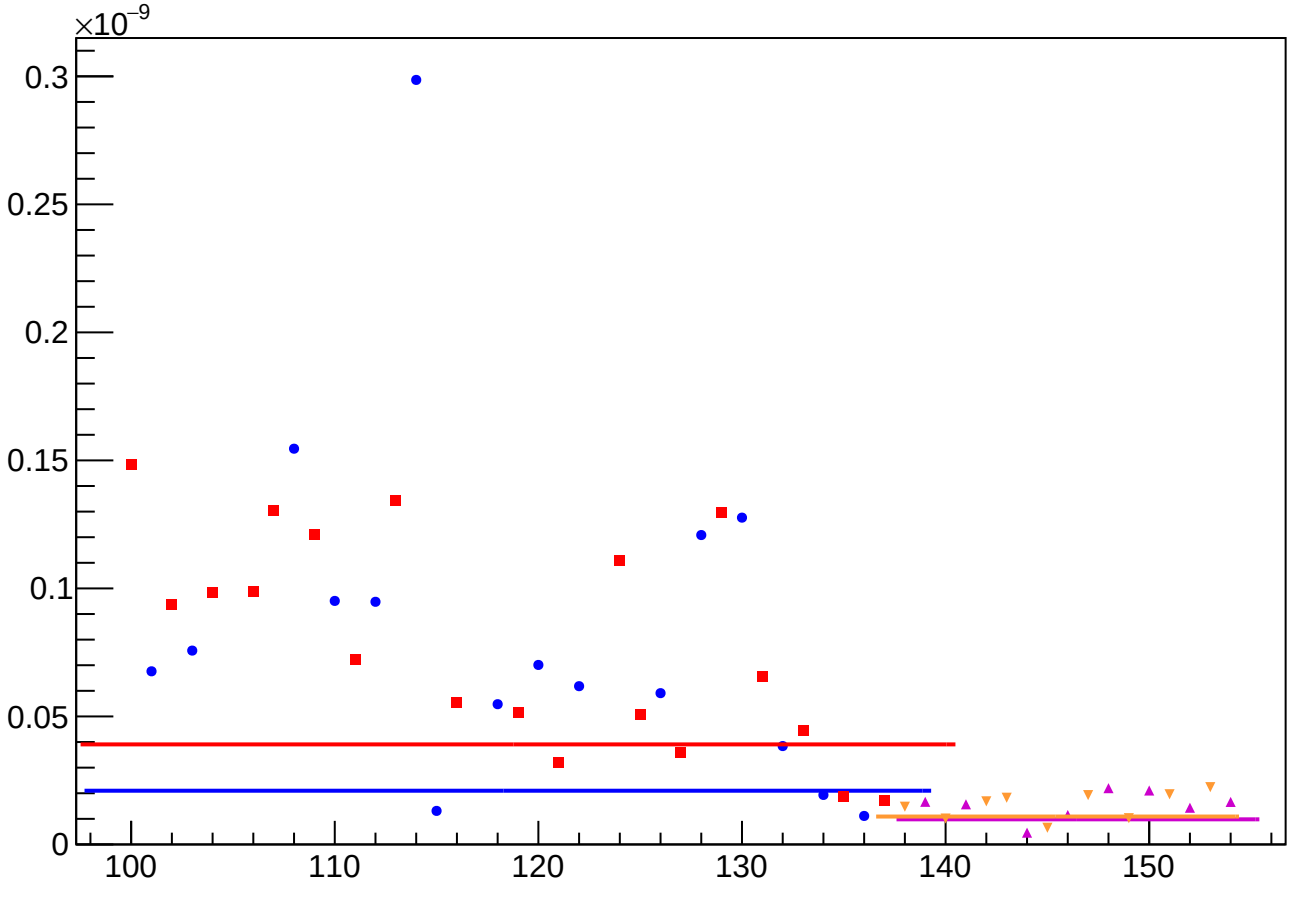
Left: -0.000+/-0.000 χ^2/NDF: 18.5/16

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:38.1/23

Out: -0.000+/-0.000 χ^2/NDF:33.8/27

All: -0.000+/-0.000 χ^2/NDF: 72.0/51



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:1468015.8/7

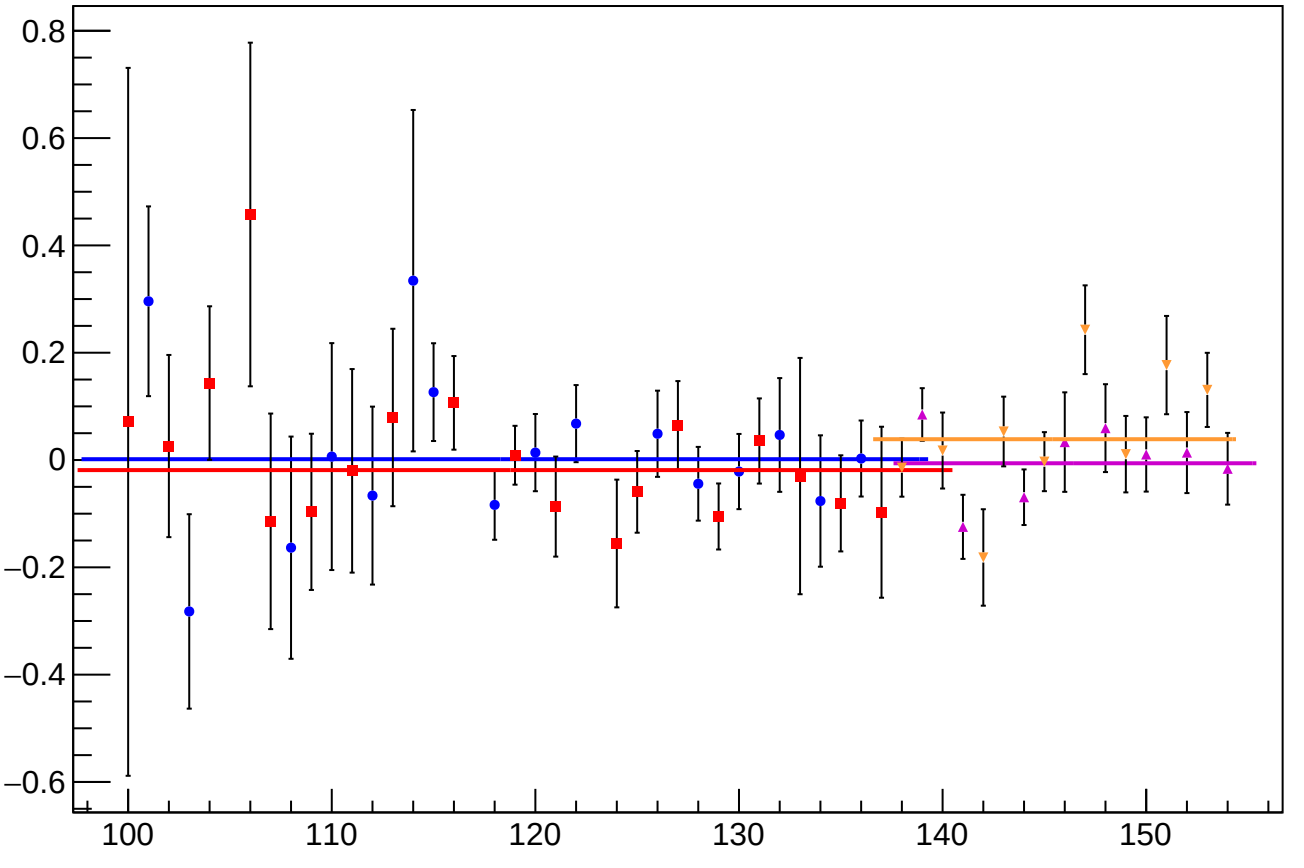
Left: 0.000+/-0.000 χ^2/NDF: 2514883.3/16

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5533773.0/23

Out: 0.000+/-0.000 χ^2/NDF:5054356.5/27

All: 0.000+/-0.000 χ^2/NDF: 10631269.8/51



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: -0.006+/-0.023 χ^2/NDF:9.8/7

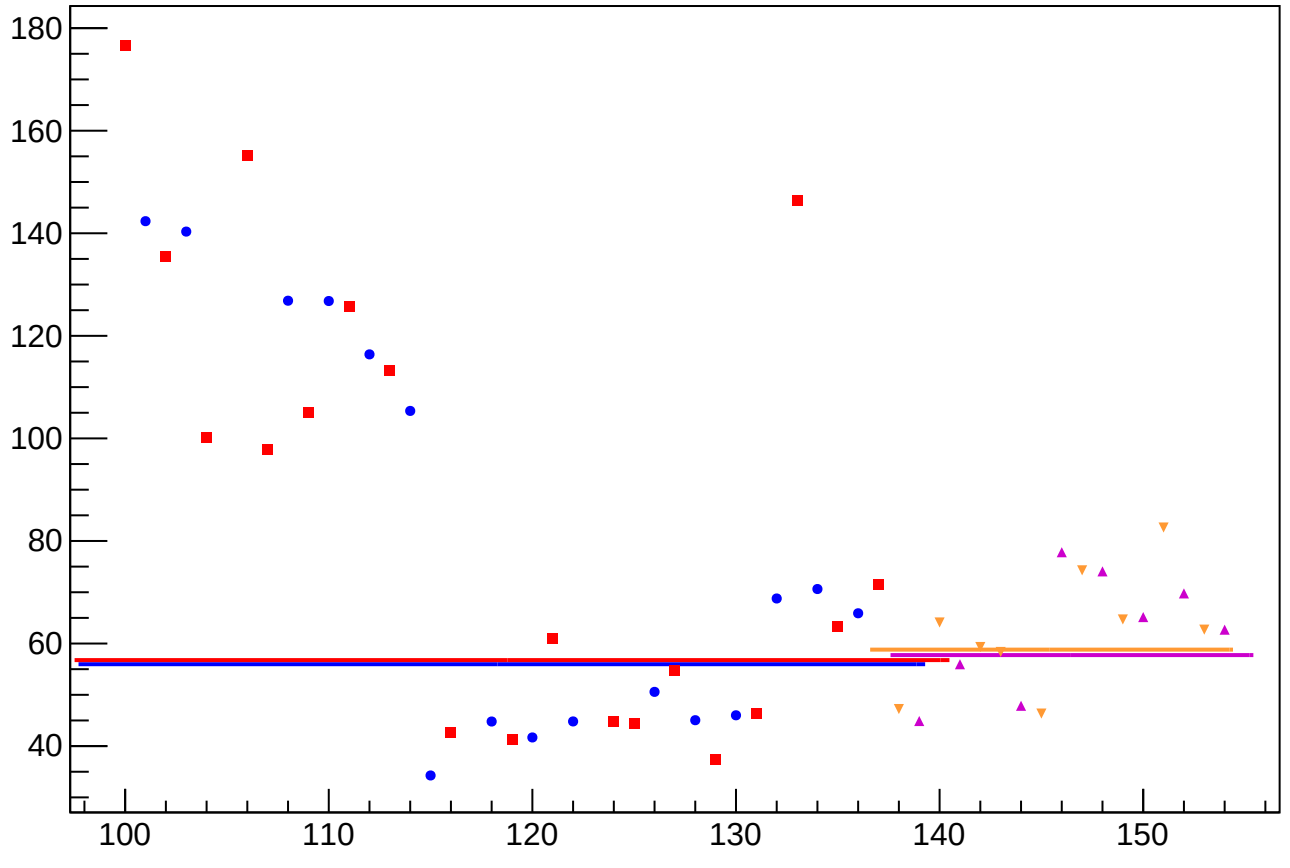
Left: 0.016+/-0.016 χ^2/NDF: 29.7/16

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.016 χ^2/NDF:23.0/23

Out: 0.011+/-0.016 χ^2/NDF:34.1/27

All: 0.004+/-0.012 χ^2/NDF: 57.4/51



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: 57.747+/-0.016 χ^2/NDF:469814.1/7

Left: 58.275+/-0.011 χ^2/NDF: 902933.3/16

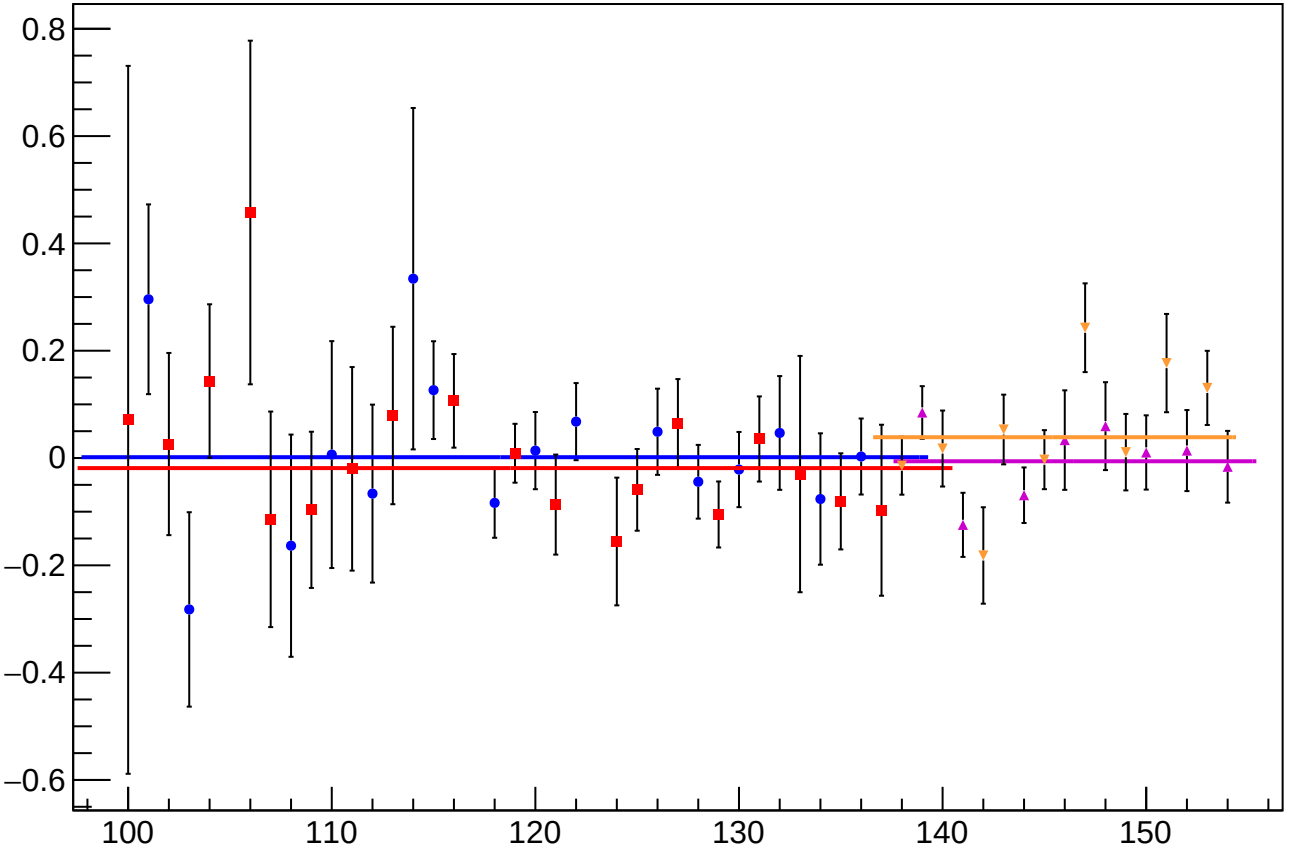
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.886+/-0.012 χ^2/NDF:2655595.9/23

Out: 57.818+/-0.012 χ^2/NDF:2991896.0/27

All: 57.348+/-0.008 χ^2/NDF: 5650740.0/51

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: -0.006+/-0.023 χ^2/NDF:9.8/7

Left: 0.016+/-0.016 χ^2/NDF: 29.7/16

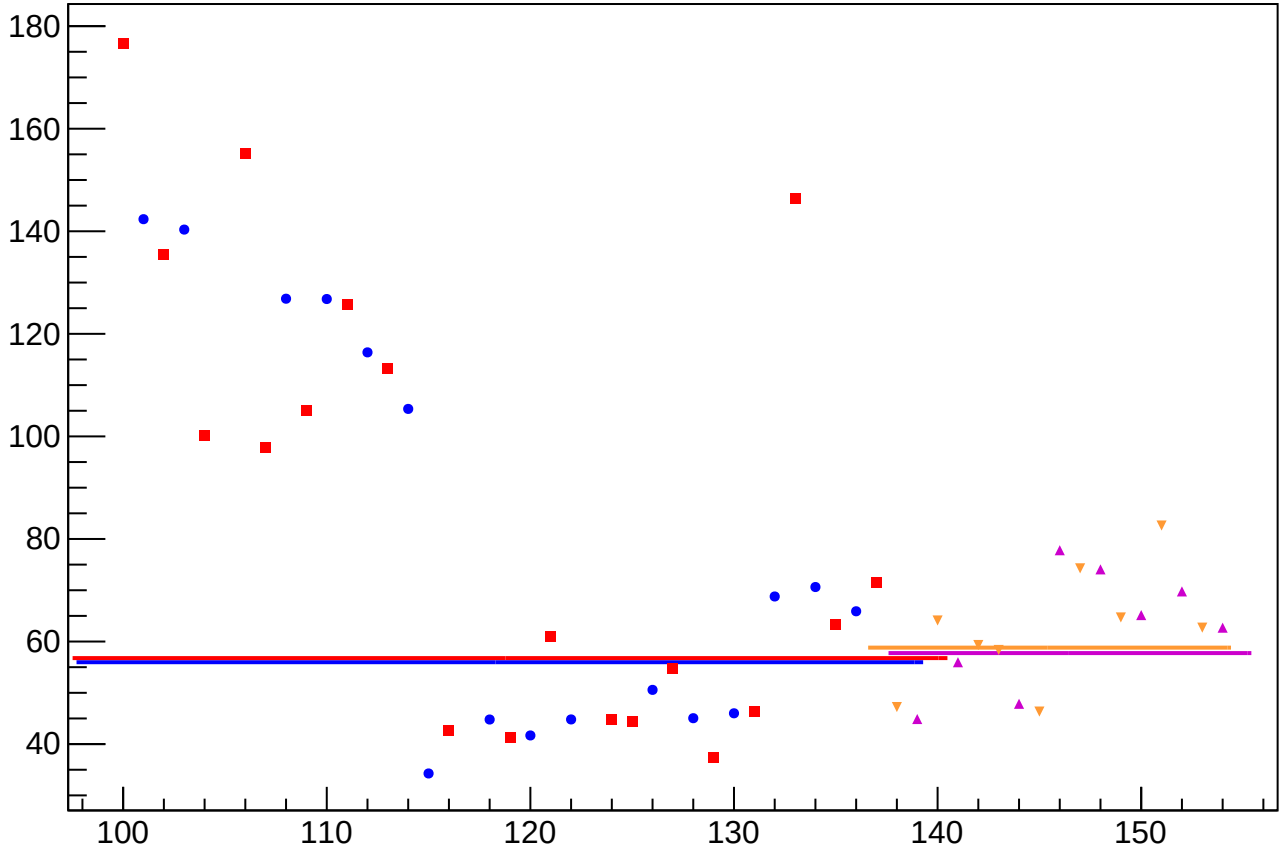
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.016 χ^2/NDF:23.0/23

Out: 0.011+/-0.016 χ^2/NDF:34.1/27

All: 0.004+/-0.012 χ^2/NDF: 57.4/51

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: 57.747+/-0.016 χ^2/NDF:469814.1/7

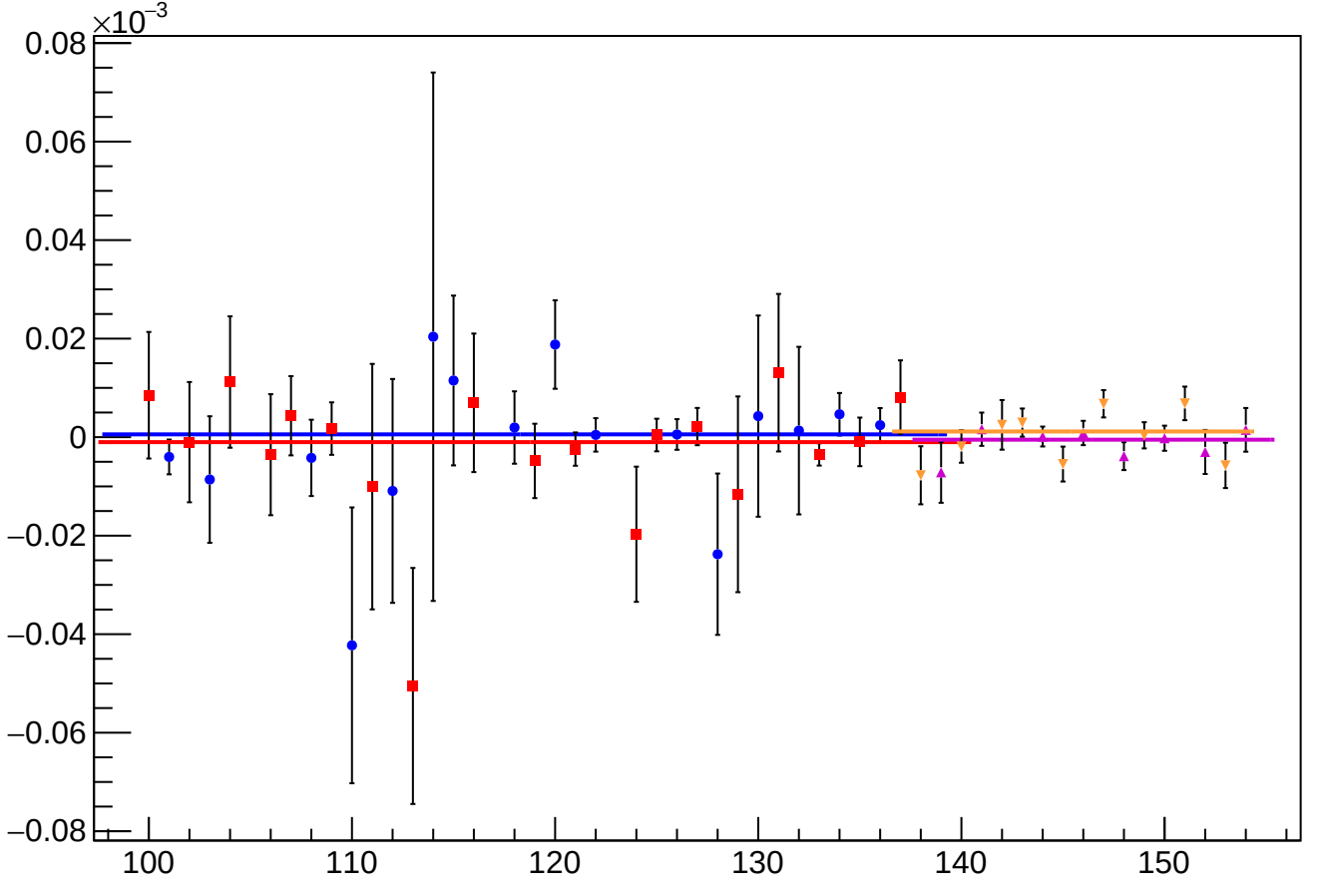
Left: 58.275+/-0.011 χ^2/NDF: 902933.3/16

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.886+/-0.012 χ^2/NDF:2655595.9/23

Out: 57.818+/-0.012 χ^2/NDF:2991896.0/27

All: 57.348+/-0.008 χ^2/NDF: 5650740.0/51



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:3.9/7

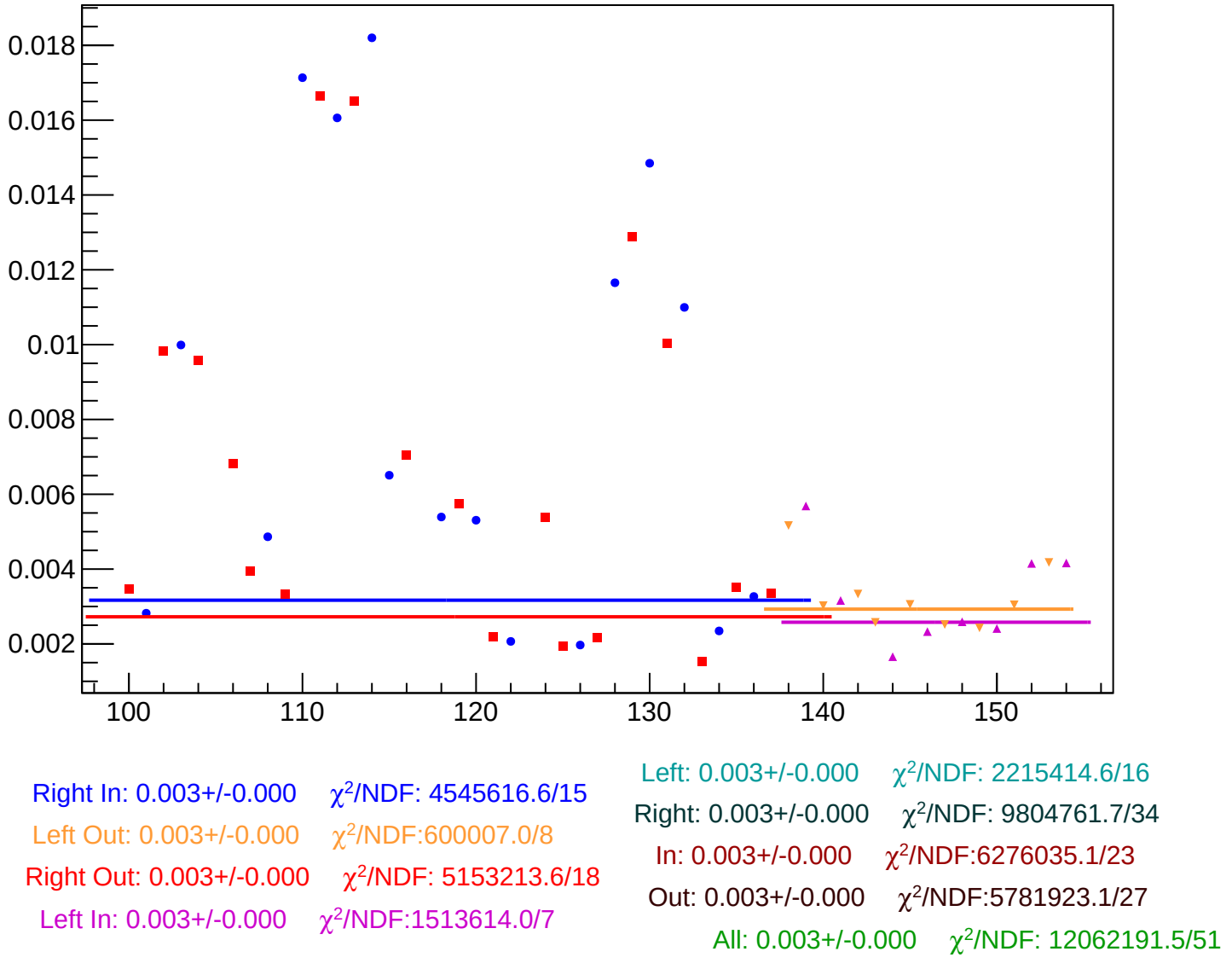
Left: 0.000+/-0.000 χ^2/NDF: 21.3/16

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

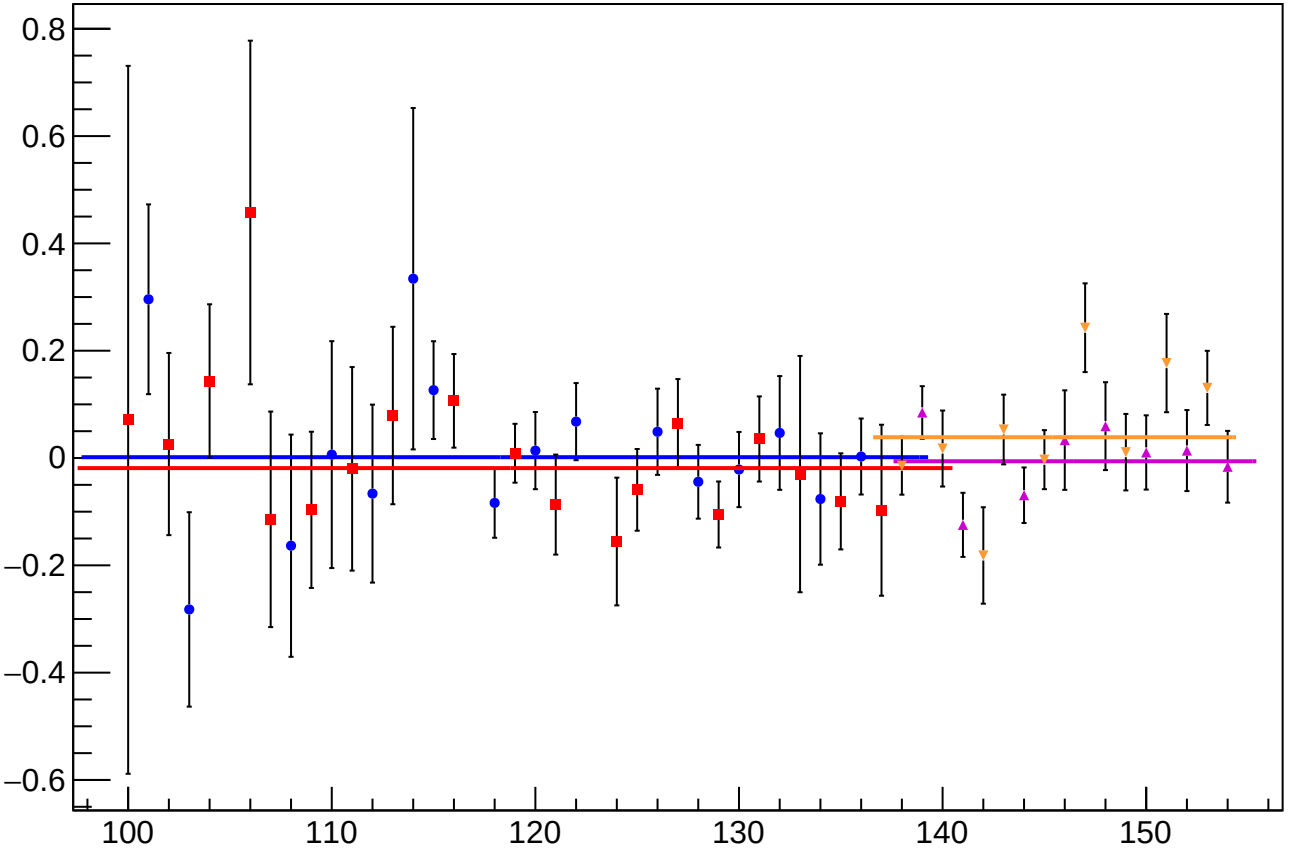
In: -0.000+/-0.000 χ^2/NDF:17.5/23

Out: 0.000+/-0.000 χ^2/NDF:31.7/27

All: 0.000+/-0.000 χ^2/NDF: 49.3/51


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 4545616.6/15
Left Out: 0.003+/-0.000 χ²/NDF:600007.0/8
Right Out: 0.003+/-0.000 χ²/NDF: 5153213.6/18
Left In: 0.003+/-0.000 χ²/NDF:1513614.0/7
Left: 0.003+/-0.000 χ²/NDF: 2215414.6/16
Right: 0.003+/-0.000 χ²/NDF: 9804761.7/34
In: 0.003+/-0.000 χ²/NDF:6276035.1/23
Out: 0.003+/-0.000 χ²/NDF:5781923.1/27
All: 0.003+/-0.000 χ²/NDF: 12062191.5/51

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: -0.006+/-0.023 χ^2/NDF:9.8/7

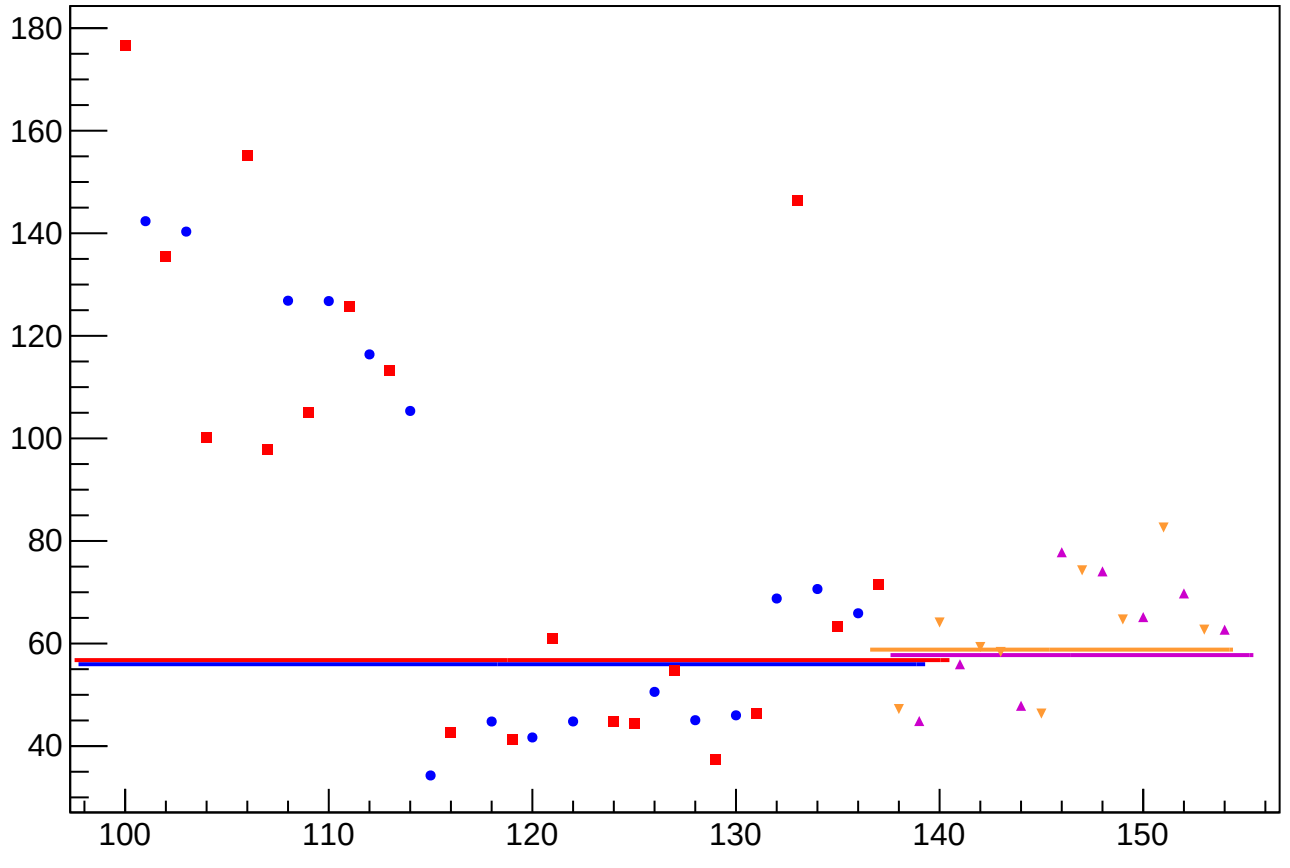
Left: 0.016+/-0.016 χ^2/NDF: 29.7/16

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.016 χ^2/NDF:23.0/23

Out: 0.011+/-0.016 χ^2/NDF:34.1/27

All: 0.004+/-0.012 χ^2/NDF: 57.4/51



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: 57.748+/-0.016 χ^2/NDF:469803.1/7

Left: 58.275+/-0.011 χ^2/NDF: 902916.7/16

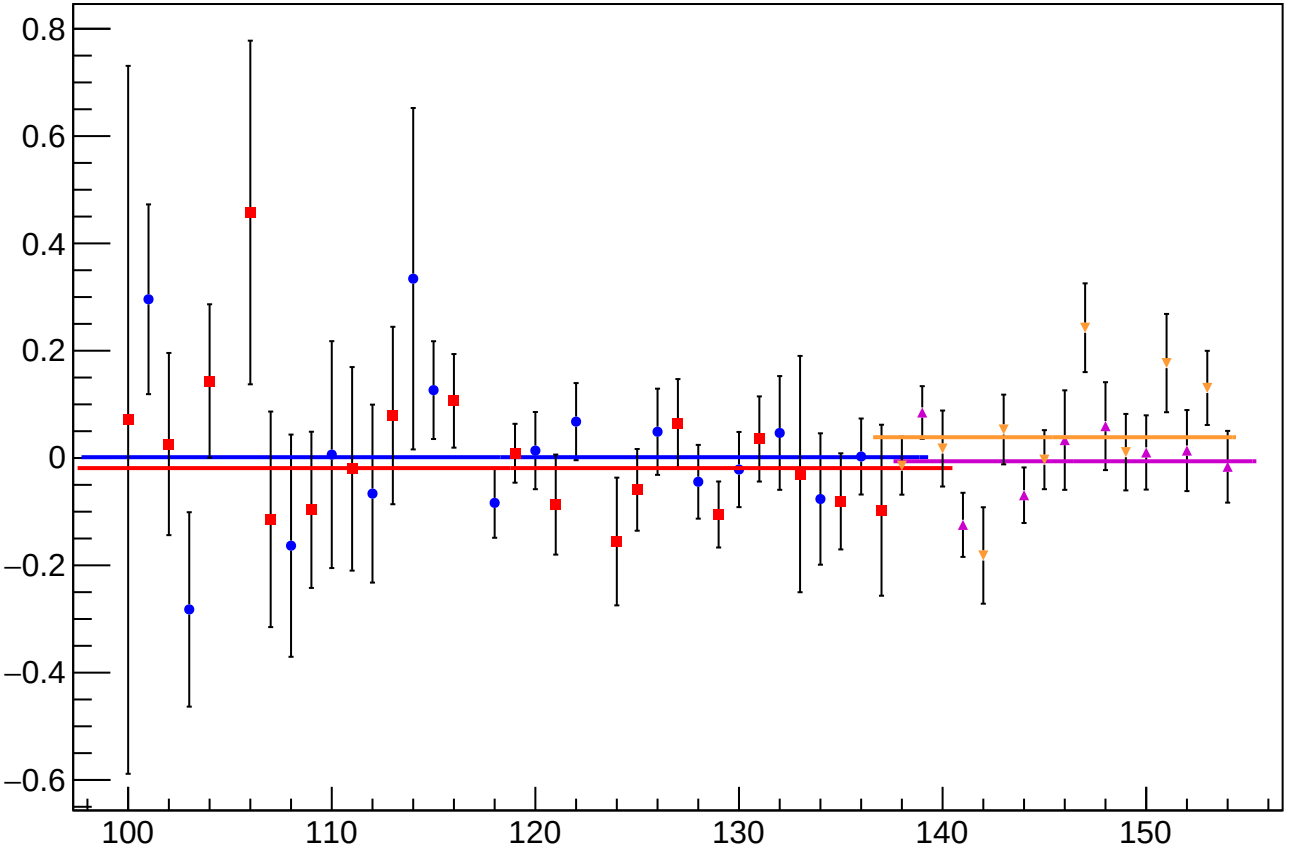
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.886+/-0.012 χ^2/NDF:2655519.8/23

Out: 57.818+/-0.012 χ^2/NDF:2991844.6/27

All: 57.349+/-0.008 χ^2/NDF: 5650611.6/51

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: -0.006+/-0.023 χ^2/NDF:9.8/7

Left: 0.016+/-0.016 χ^2/NDF: 29.7/16

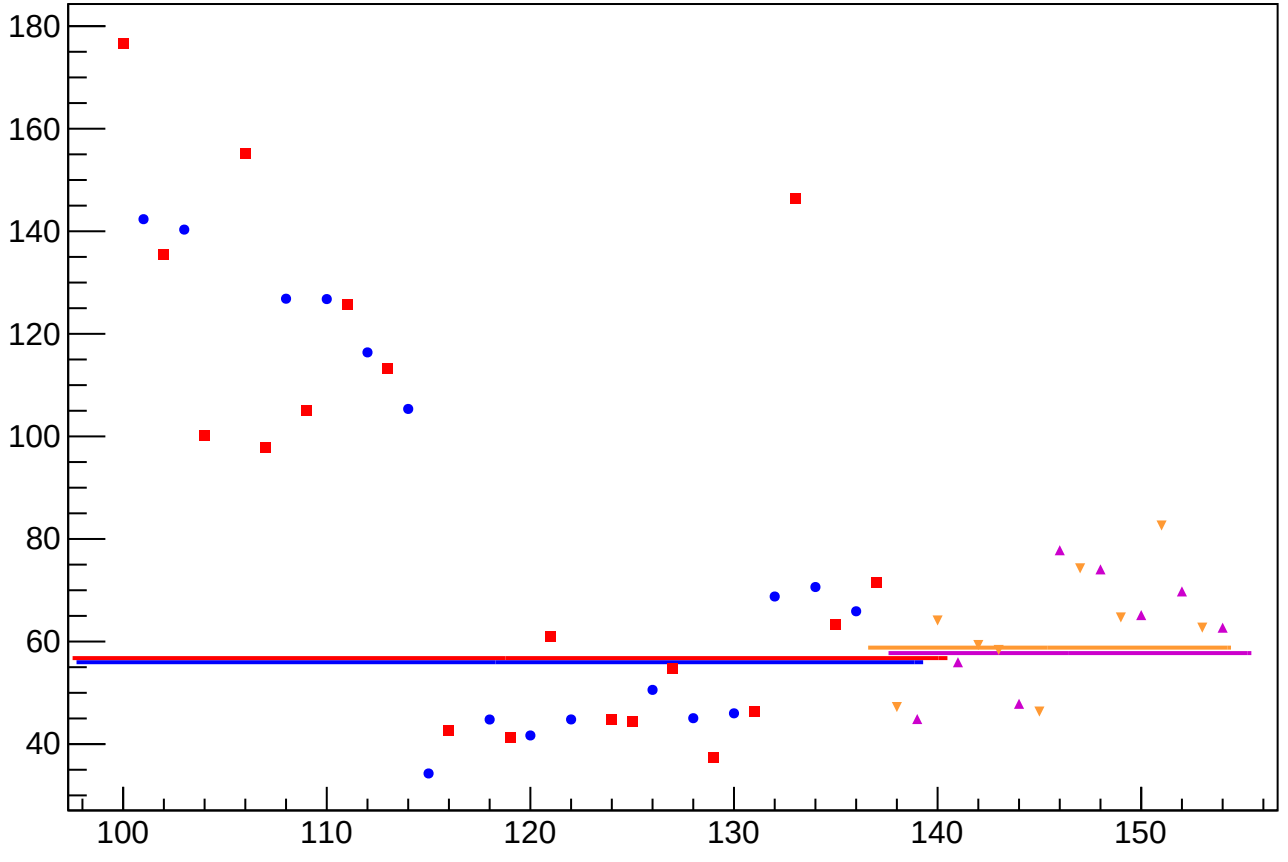
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.016 χ^2/NDF:23.0/23

Out: 0.011+/-0.016 χ^2/NDF:34.1/27

All: 0.004+/-0.012 χ^2/NDF: 57.4/51

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: 57.748+/-0.016 χ^2/NDF:469803.1/7

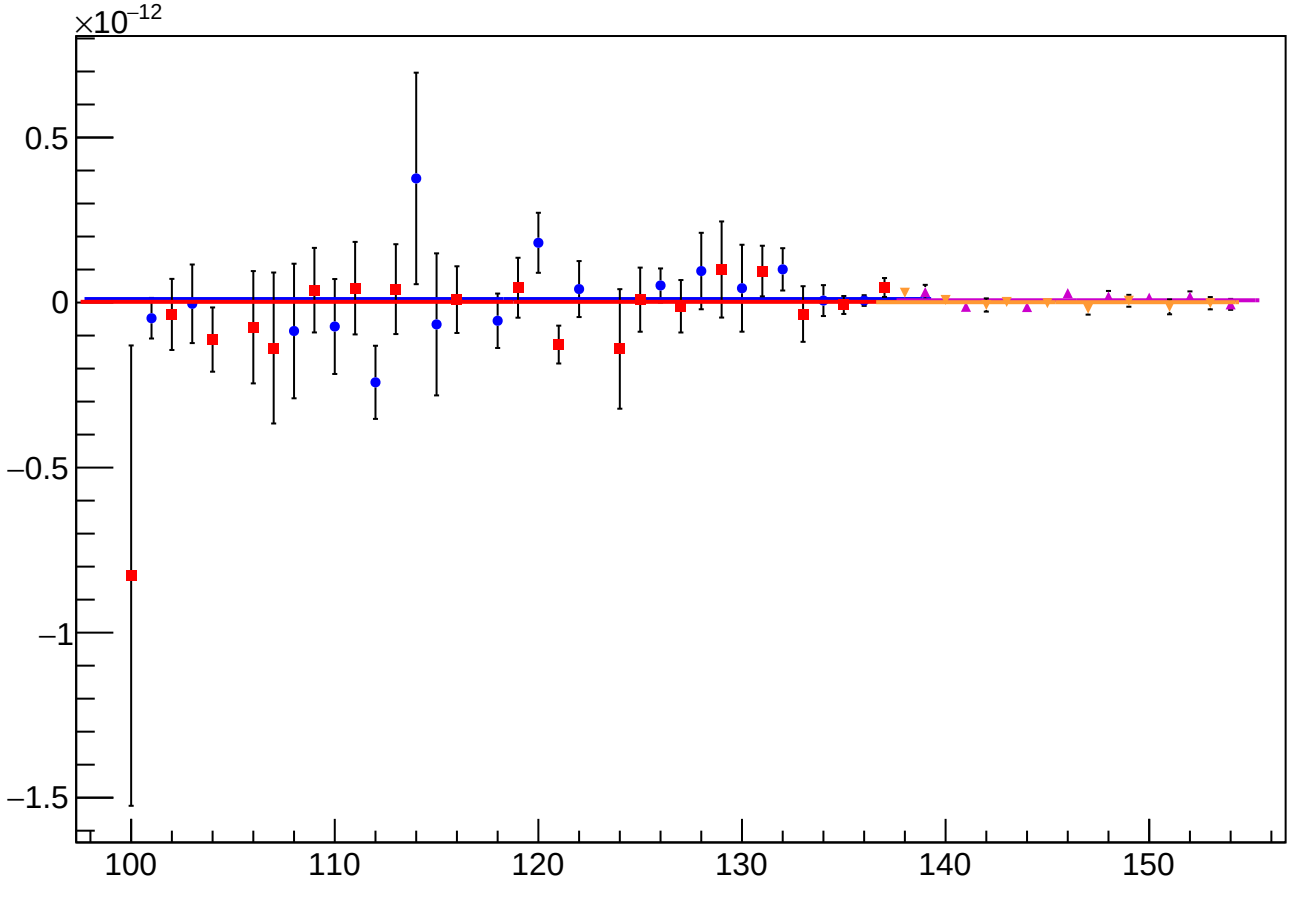
Left: 58.275+/-0.011 χ^2/NDF: 902916.7/16

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.886+/-0.012 χ^2/NDF:2655519.8/23

Out: 57.818+/-0.012 χ^2/NDF:2991844.6/27

All: 57.349+/-0.008 χ^2/NDF: 5650611.6/51



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:18.9/7

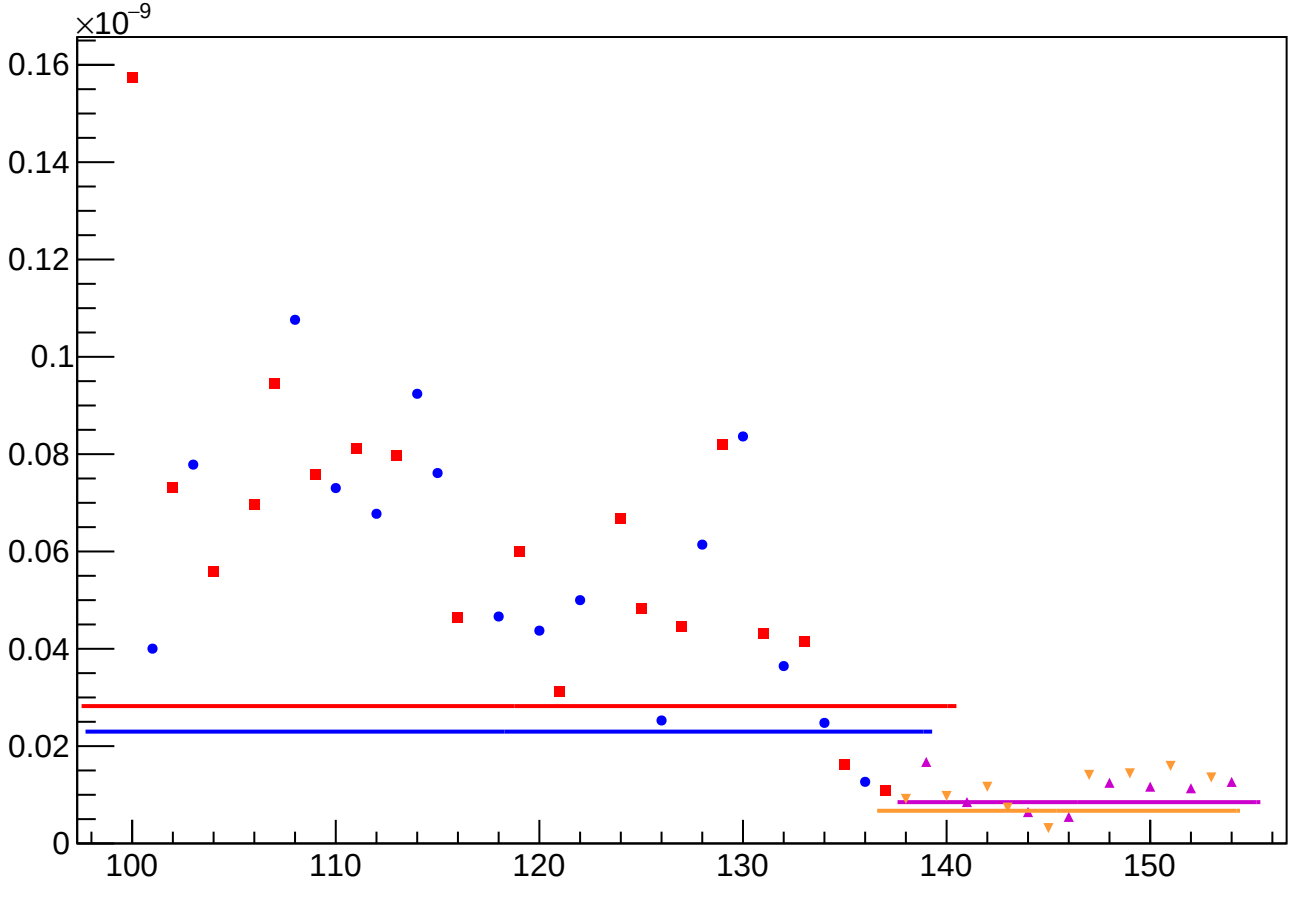
Left: 0.000+/-0.000 χ^2/NDF: 27.0/16

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:34.6/23

Out: 0.000+/-0.000 χ^2/NDF:21.4/27

All: 0.000+/-0.000 χ^2/NDF: 57.3/51



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:1064601.4/7

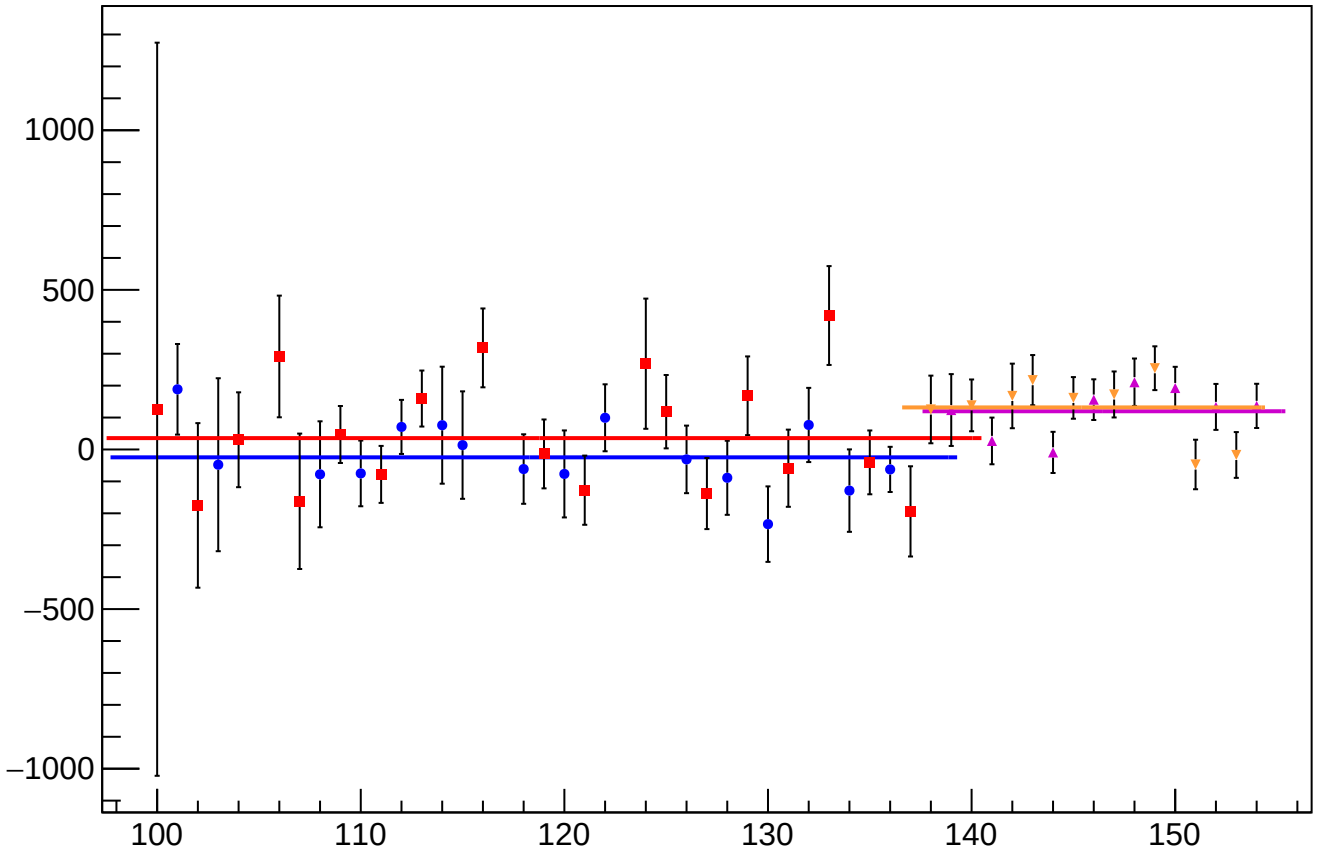
Left: 0.000+/-0.000 χ^2/NDF: 3867547.6/16

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7049646.5/23

Out: 0.000+/-0.000 χ^2/NDF:10072270.7/27

All: 0.000+/-0.000 χ^2/NDF: 17409176.6/51



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: 119.717+/-25.295 χ^2/NDF:8.7/7

Left: 125.601+/-18.064 χ^2/NDF: 23.5/16

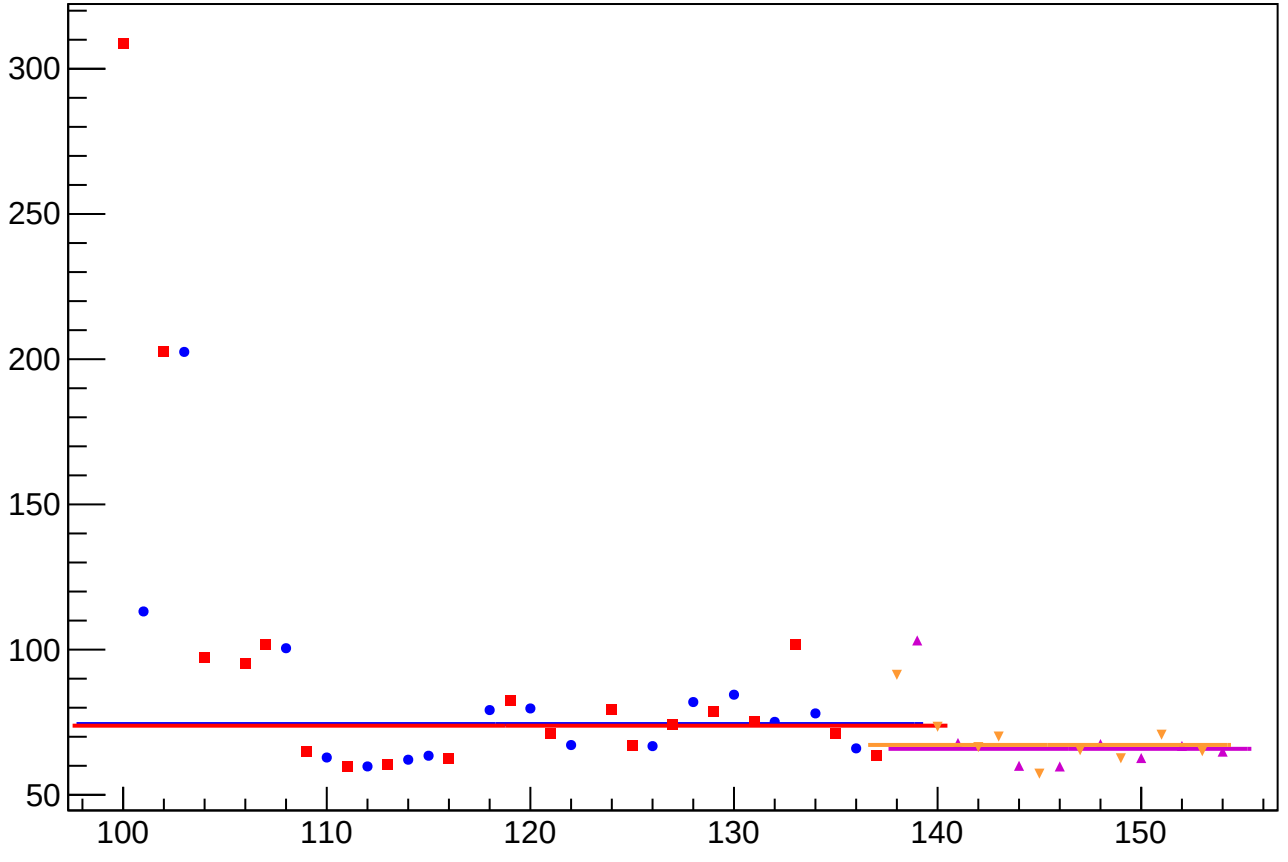
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 57.132+/-19.038 χ^2/NDF:33.9/23

Out: 88.335+/-19.116 χ^2/NDF:51.0/27

All: 72.669+/-13.489 χ^2/NDF: 86.2/51

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: 65.841+/-0.018 χ^2/NDF:262435.9/7

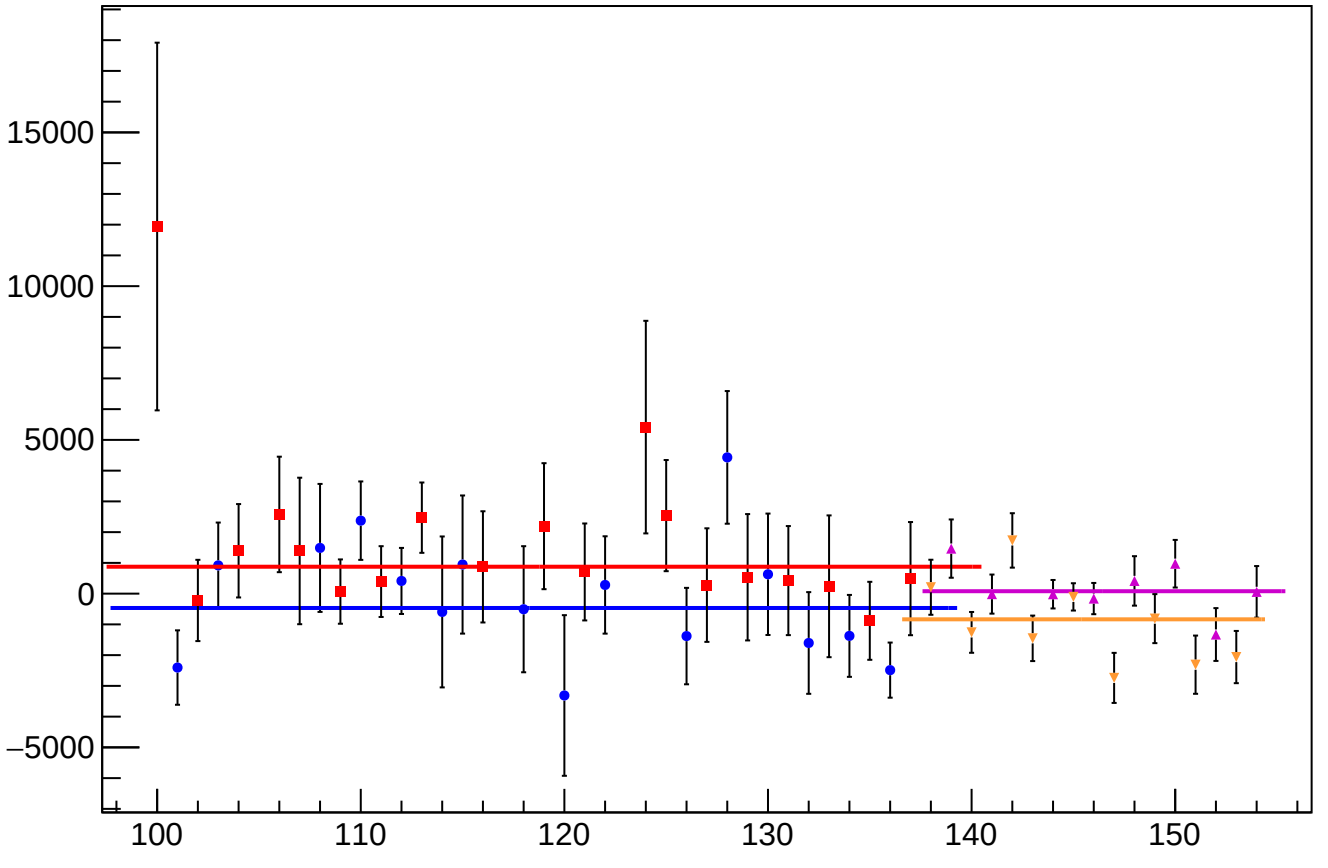
Left: 66.499+/-0.013 χ^2/NDF: 445920.7/16

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 69.539+/-0.013 χ^2/NDF:1188568.0/23

Out: 70.176+/-0.014 χ^2/NDF:1172285.9/27

All: 69.856+/-0.010 χ^2/NDF: 2361970.5/51



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: 78.810+/-234.941 χ^2/NDF:6.6/7

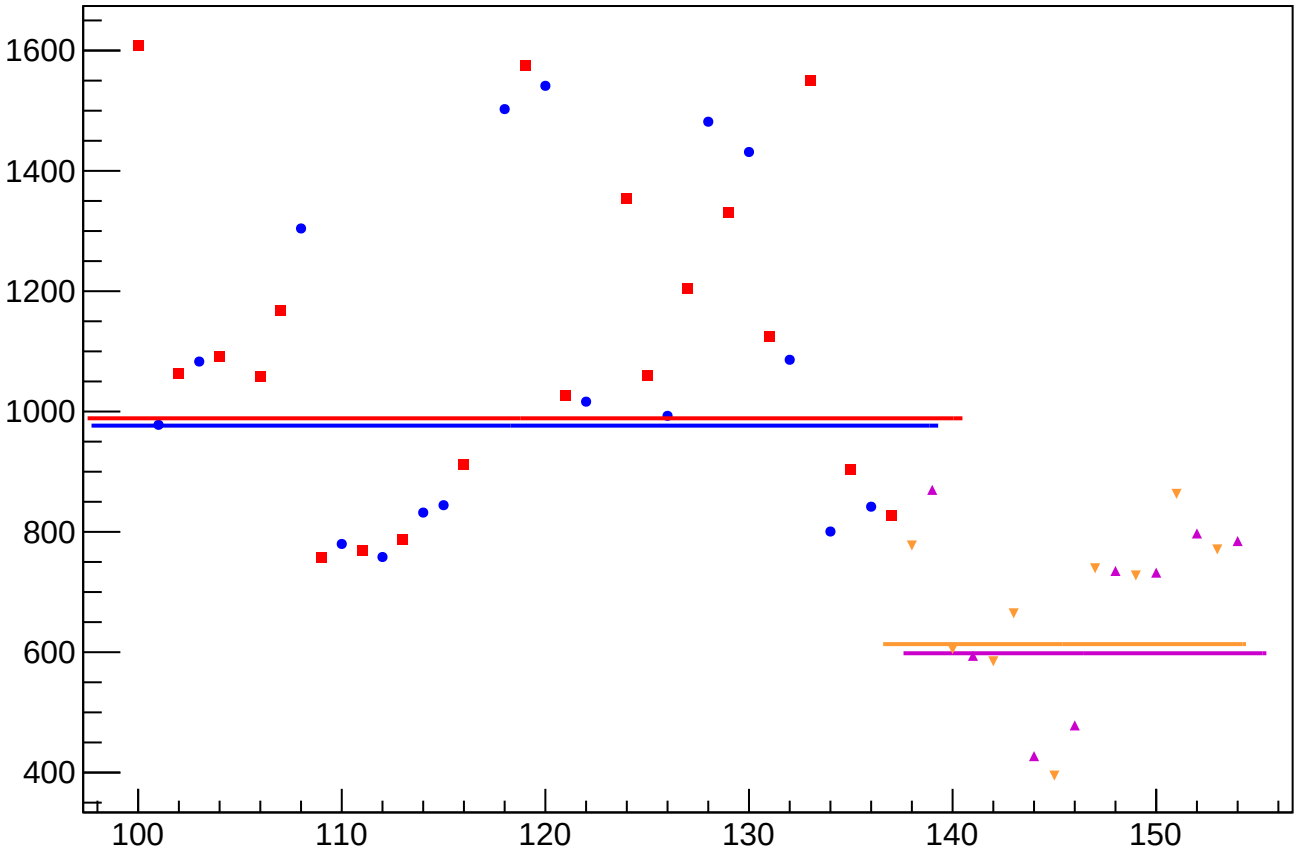
Left: -367.507+/-168.076 χ^2/NDF: 37.6/16

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -74.888+/-199.099 χ^2/NDF:31.8/23

Out: -331.430+/-202.035 χ^2/NDF:51.5/27

All: -201.282+/-141.811 χ^2/NDF: 84.2/51



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: 598.265+/-0.166 χ^2/NDF:872501.8/7

Left: 605.685+/-0.119 χ^2/NDF: 1737003.4/16

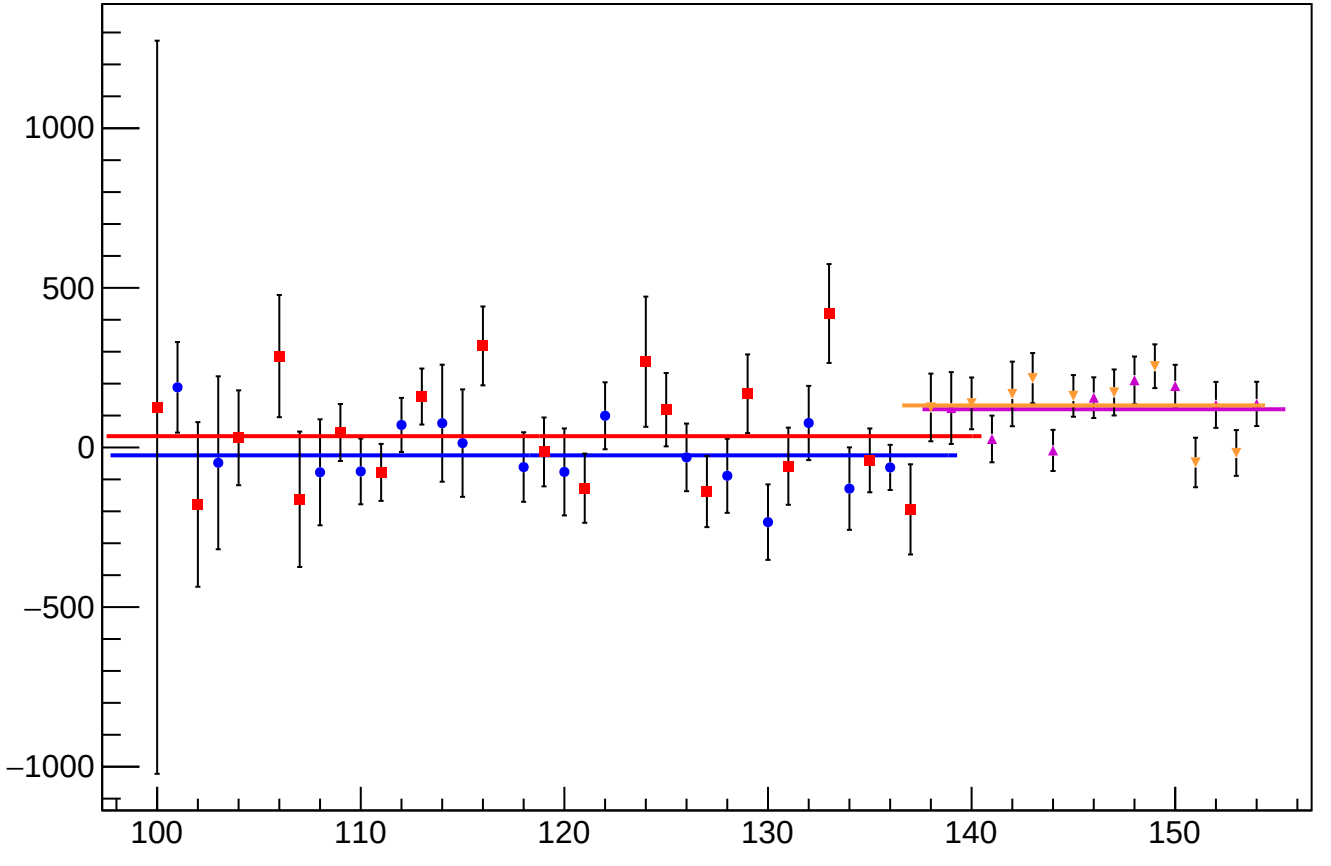
Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 704.890+/-0.141 χ^2/NDF:3070718.8/23

Out: 724.022+/-0.143 χ^2/NDF:3010238.6/27

All: 714.316+/-0.100 χ^2/NDF: 6090055.5/51

cor_asym_sam_37_avg_mean vs Slug, Sign Corrected



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: 119.716+/-25.295 χ^2/NDF:8.7/7

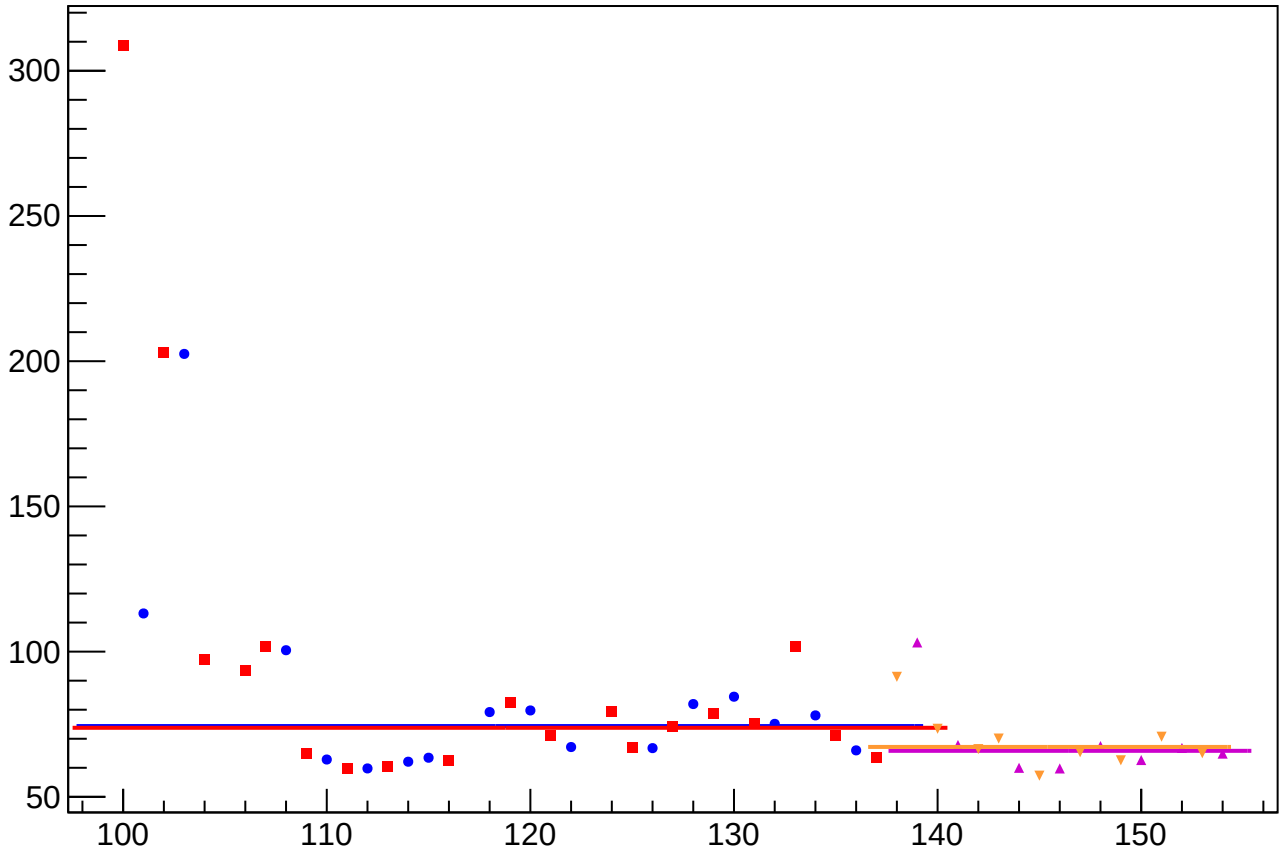
Left: 125.604+/-18.064 χ^2/NDF: 23.5/16

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 57.128+/-19.038 χ^2/NDF:33.9/23

Out: 88.253+/-19.117 χ^2/NDF:51.0/27

All: 72.626+/-13.489 χ^2/NDF: 86.2/51



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: 65.841+/-0.018 χ^2/NDF:262435.8/7

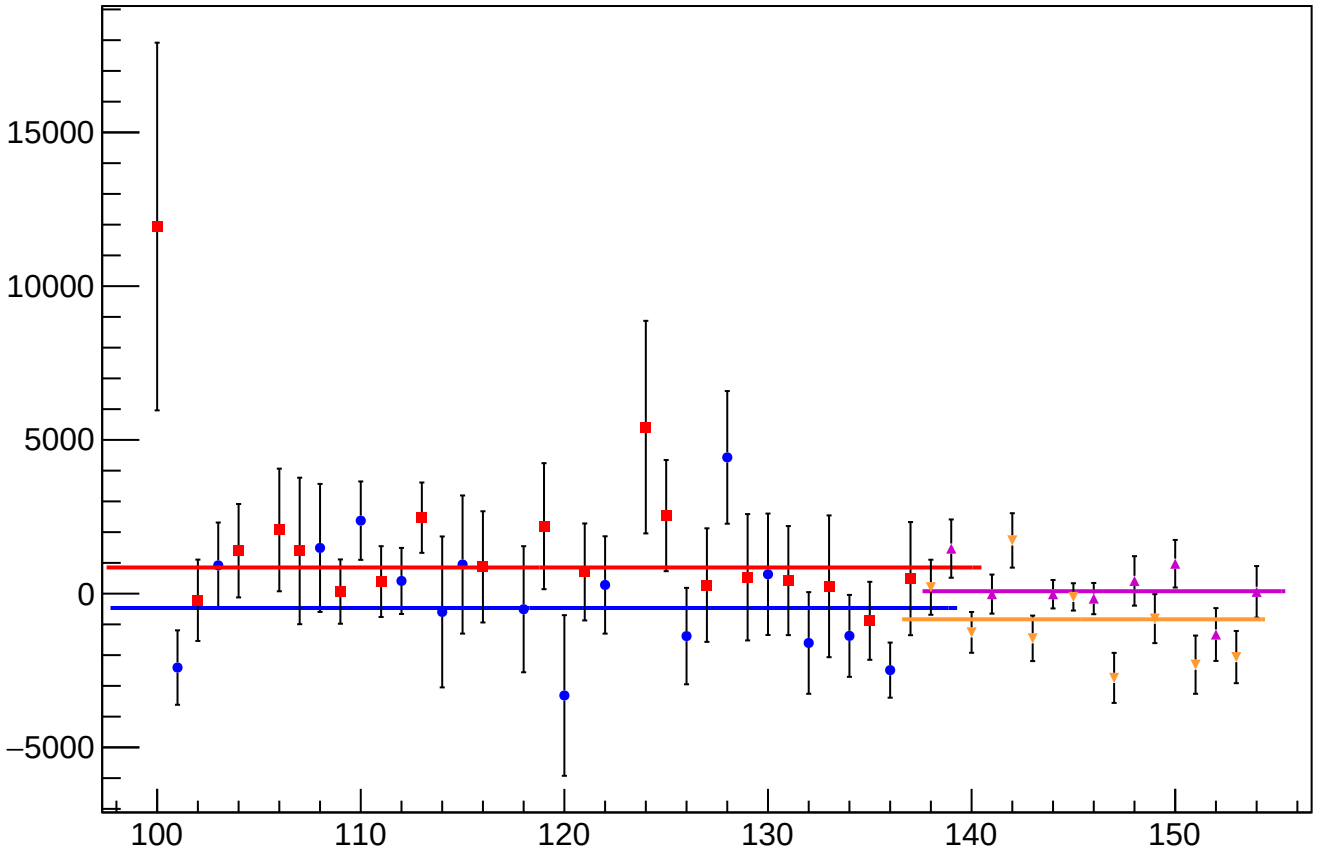
Left: 66.499+/-0.013 χ^2/NDF: 445920.7/16

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.539+/-0.013 χ^2/NDF:1188570.0/23

Out: 70.157+/-0.014 χ^2/NDF:1167744.0/27

All: 69.847+/-0.010 χ^2/NDF: 2357364.3/51



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: 78.812+/-234.941 χ^2/NDF:6.6/7

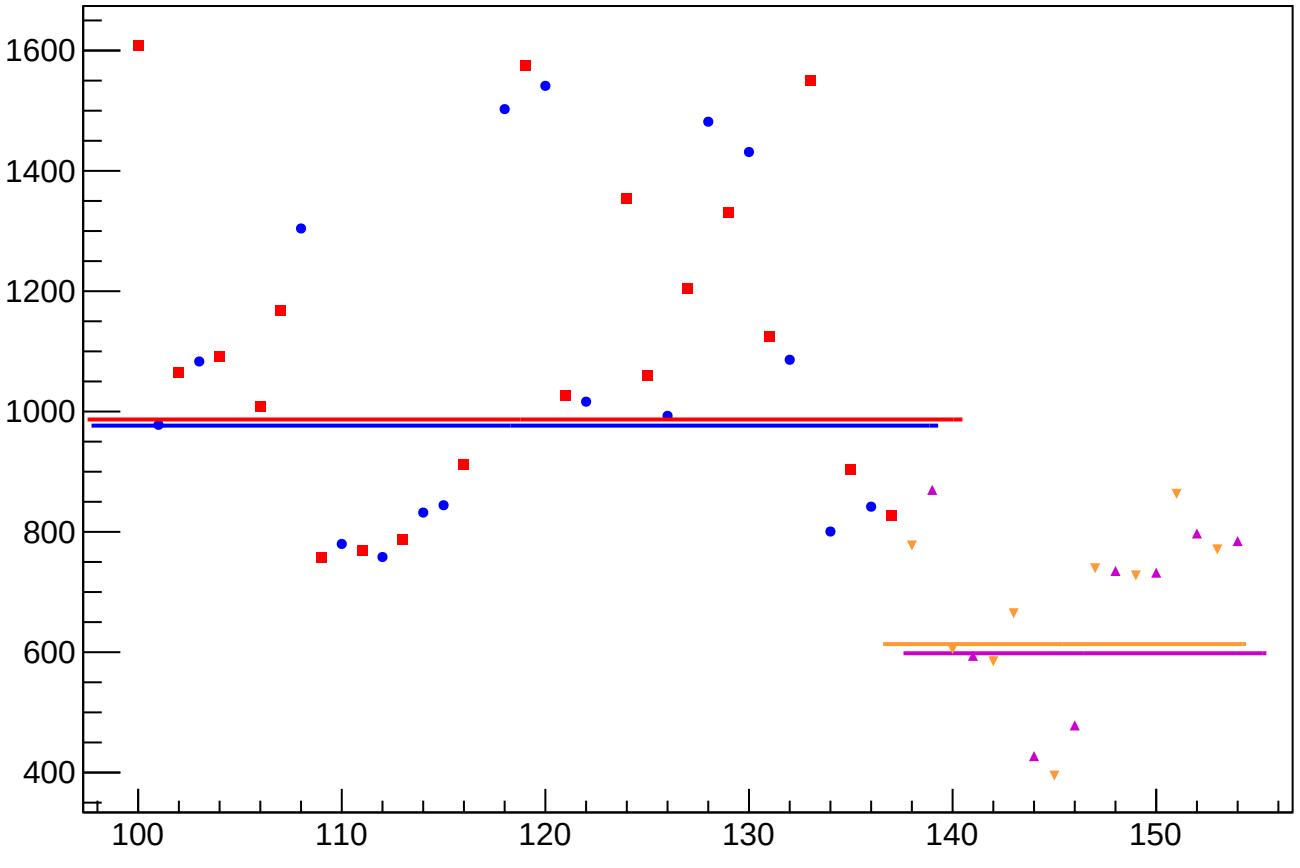
Left: -367.504+/-168.076 χ^2/NDF: 37.6/16

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -74.881+/-199.099 χ^2/NDF:31.8/23

Out: -340.275+/-202.171 χ^2/NDF:50.6/27

All: -205.547+/-141.858 χ^2/NDF: 83.3/51



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: 598.265+/-0.166 χ^2/NDF:872504.0/7

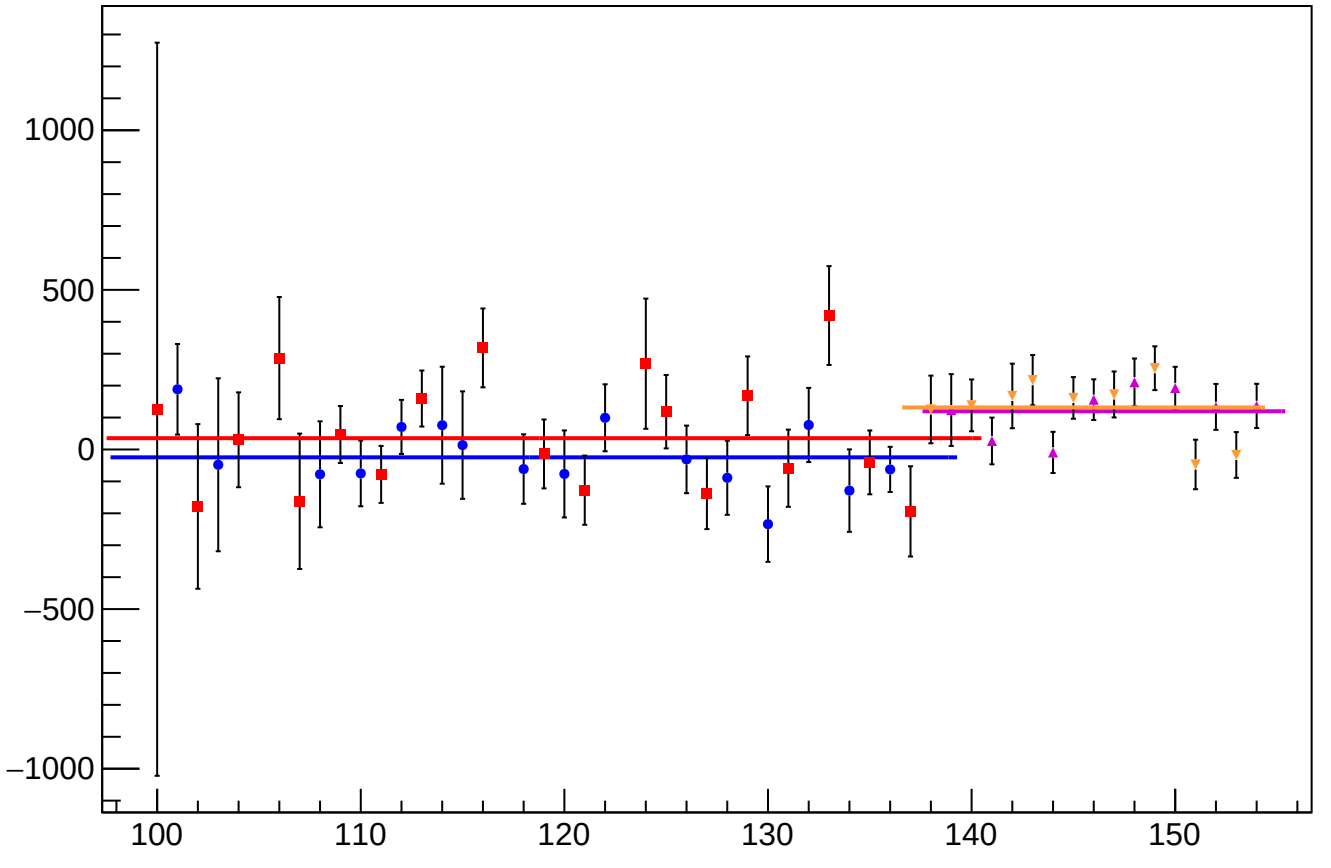
Left: 605.685+/-0.119 χ^2/NDF: 1737005.8/16

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 704.891+/-0.141 χ^2/NDF:3070775.1/23

Out: 723.095+/-0.143 χ^2/NDF:2988485.1/27

All: 713.854+/-0.100 χ^2/NDF: 6067492.1/51



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: 119.716+/-25.295 χ^2/NDF:8.7/7

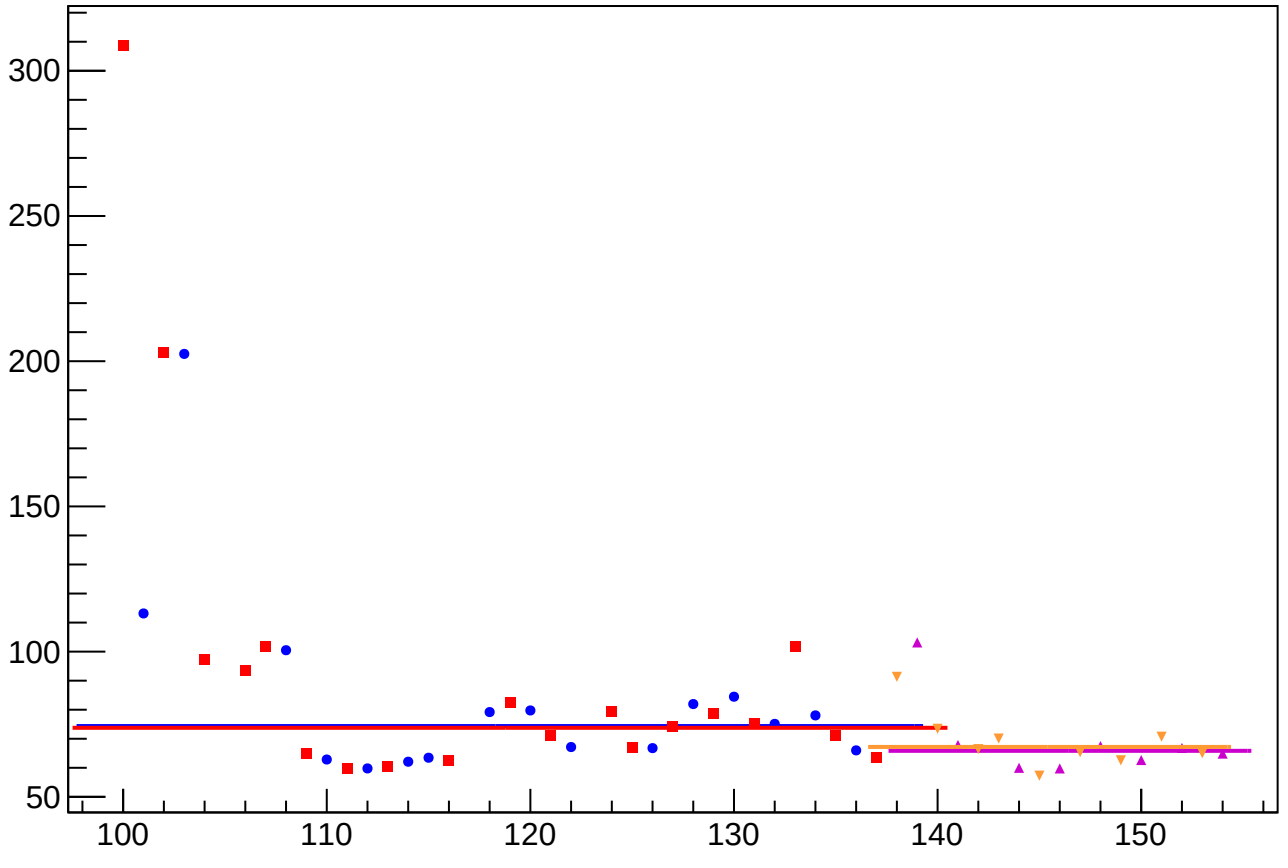
Left: 125.604+/-18.064 χ^2/NDF: 23.5/16

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 57.128+/-19.038 χ^2/NDF:33.9/23

Out: 88.253+/-19.117 χ^2/NDF:51.0/27

All: 72.626+/-13.489 χ^2/NDF: 86.2/51



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: 65.841+/-0.018 χ^2/NDF:262435.8/7

Left: 66.499+/-0.013 χ^2/NDF: 445920.7/16

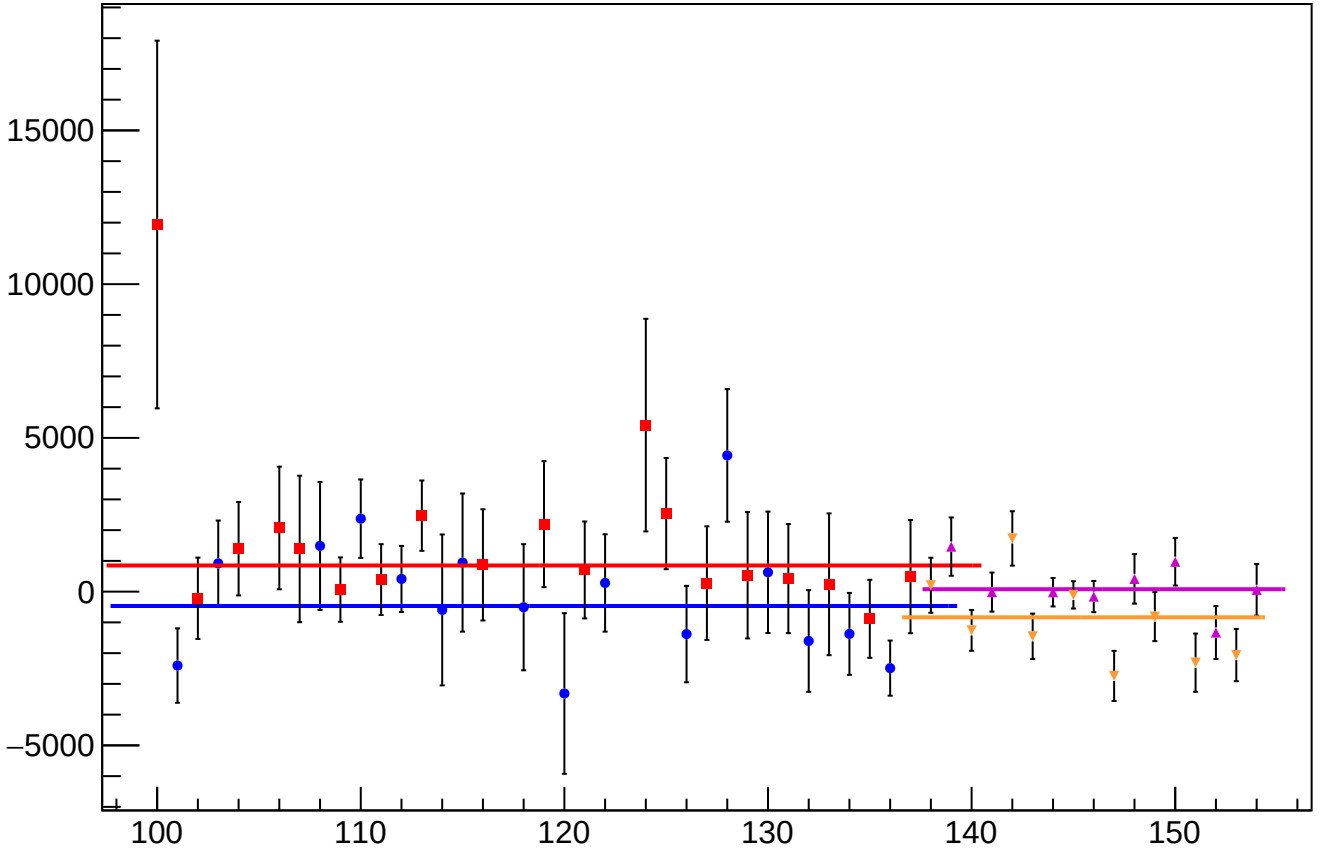
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.539+/-0.013 χ^2/NDF:1188570.0/23

Out: 70.157+/-0.014 χ^2/NDF:1167744.0/27

All: 69.847+/-0.010 χ^2/NDF: 2357364.3/51

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: 78.812+/-234.941 χ^2/NDF:6.6/7

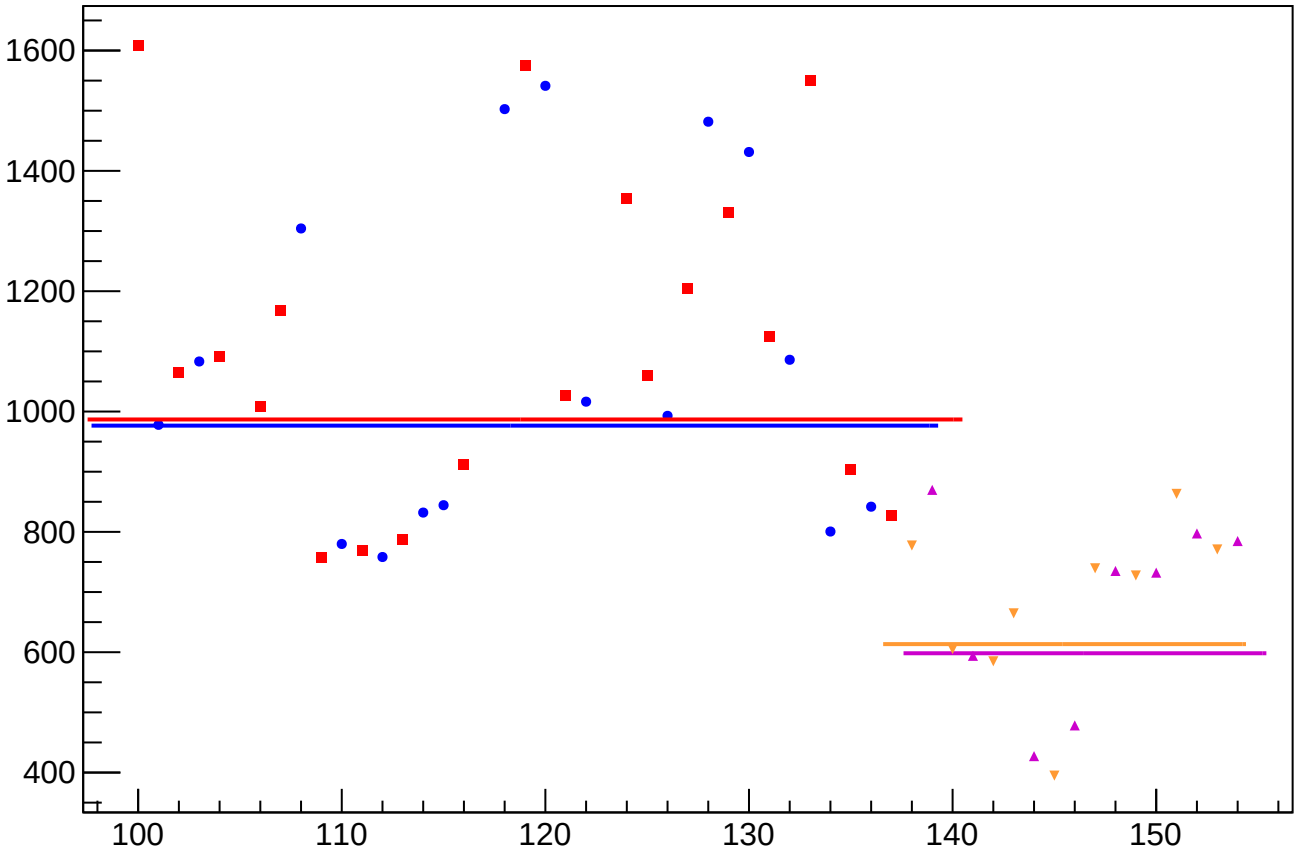
Left: -367.504+/-168.076 χ^2/NDF: 37.6/16

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -74.881+/-199.099 χ^2/NDF:31.8/23

Out: -340.275+/-202.171 χ^2/NDF:50.6/27

All: -205.547+/-141.858 χ^2/NDF: 83.3/51



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: 598.265+/-0.166 χ^2/NDF:872504.0/7

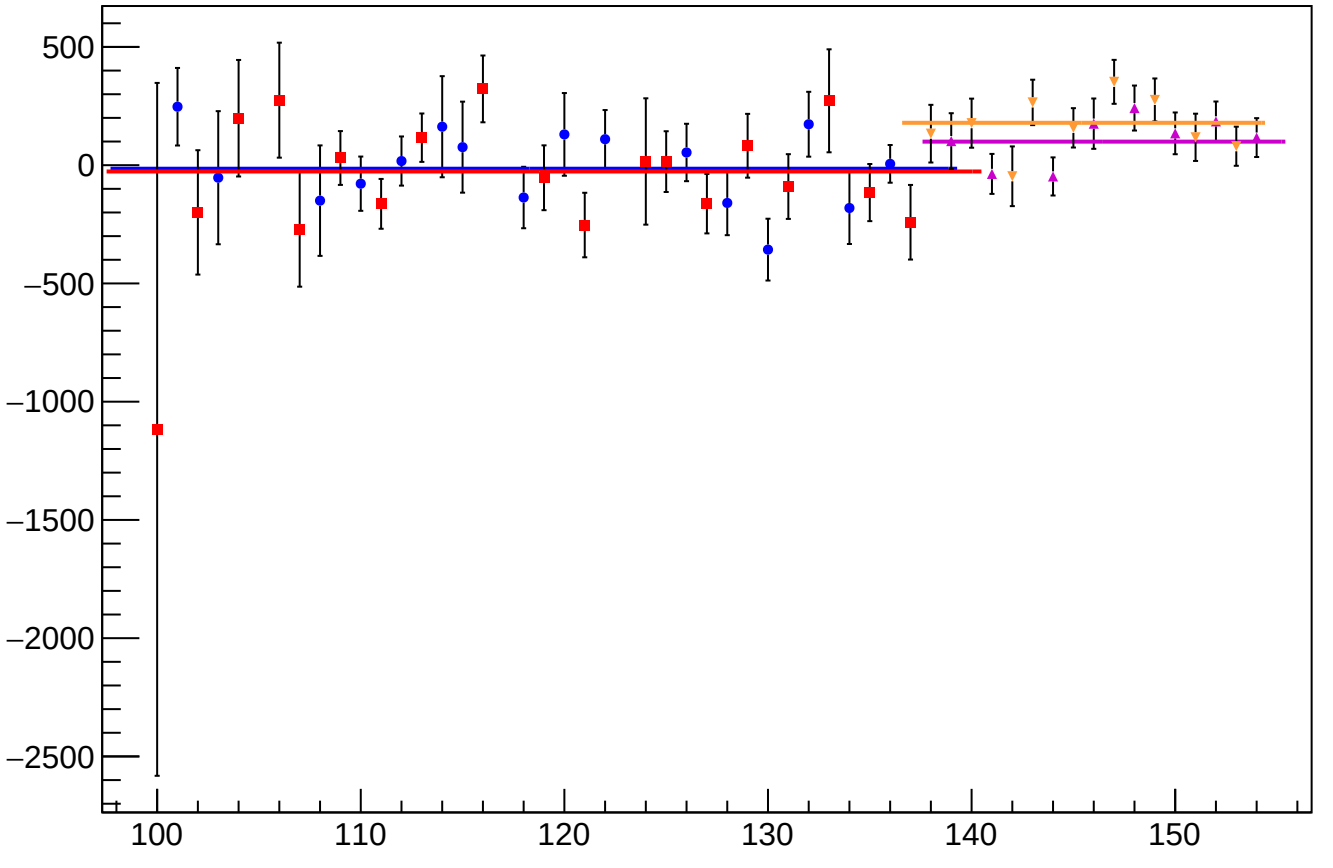
Left: 605.685+/-0.119 χ^2/NDF: 1737005.8/16

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 704.891+/-0.141 χ^2/NDF:3070775.1/23

Out: 723.095+/-0.143 χ^2/NDF:2988485.1/27

All: 713.854+/-0.100 χ^2/NDF: 6067492.1/51



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: 99.551+/-31.895 χ^2/NDF:9.9/7

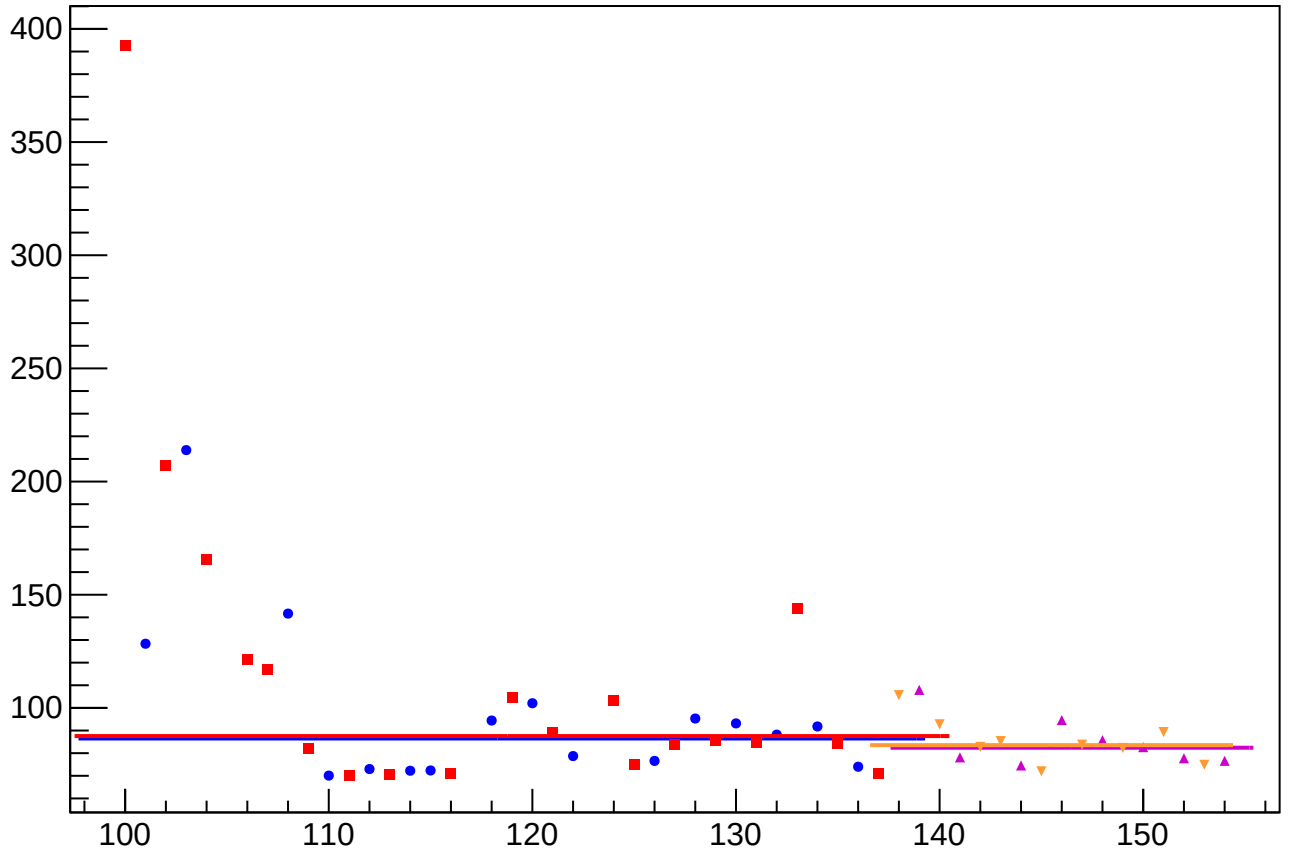
Left: 138.903+/-22.691 χ^2/NDF: 23.6/16

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 45.550+/-23.185 χ^2/NDF:34.3/23

Out: 81.823+/-23.437 χ^2/NDF:53.5/27

All: 63.491+/-16.482 χ^2/NDF: 89.0/51



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: 82.405+/-0.023 χ^2/NDF:162734.7/7

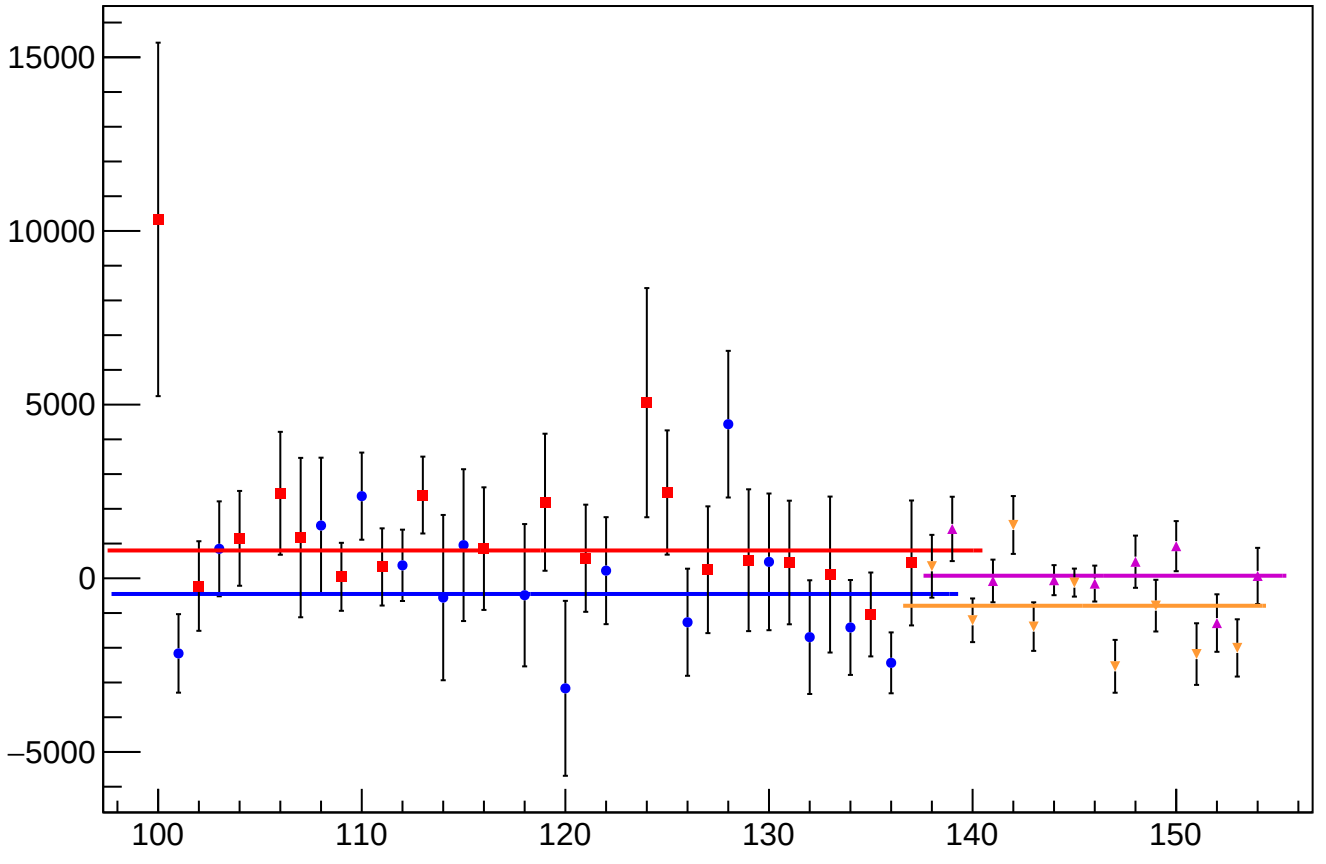
Left: 82.967+/-0.016 χ^2/NDF: 313937.6/16

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 84.331+/-0.016 χ^2/NDF:1034456.6/23

Out: 85.441+/-0.017 χ^2/NDF:1294341.6/27

All: 84.880+/-0.012 χ^2/NDF: 2331066.2/51



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: 74.028+/-225.977 χ^2/NDF:6.8/7

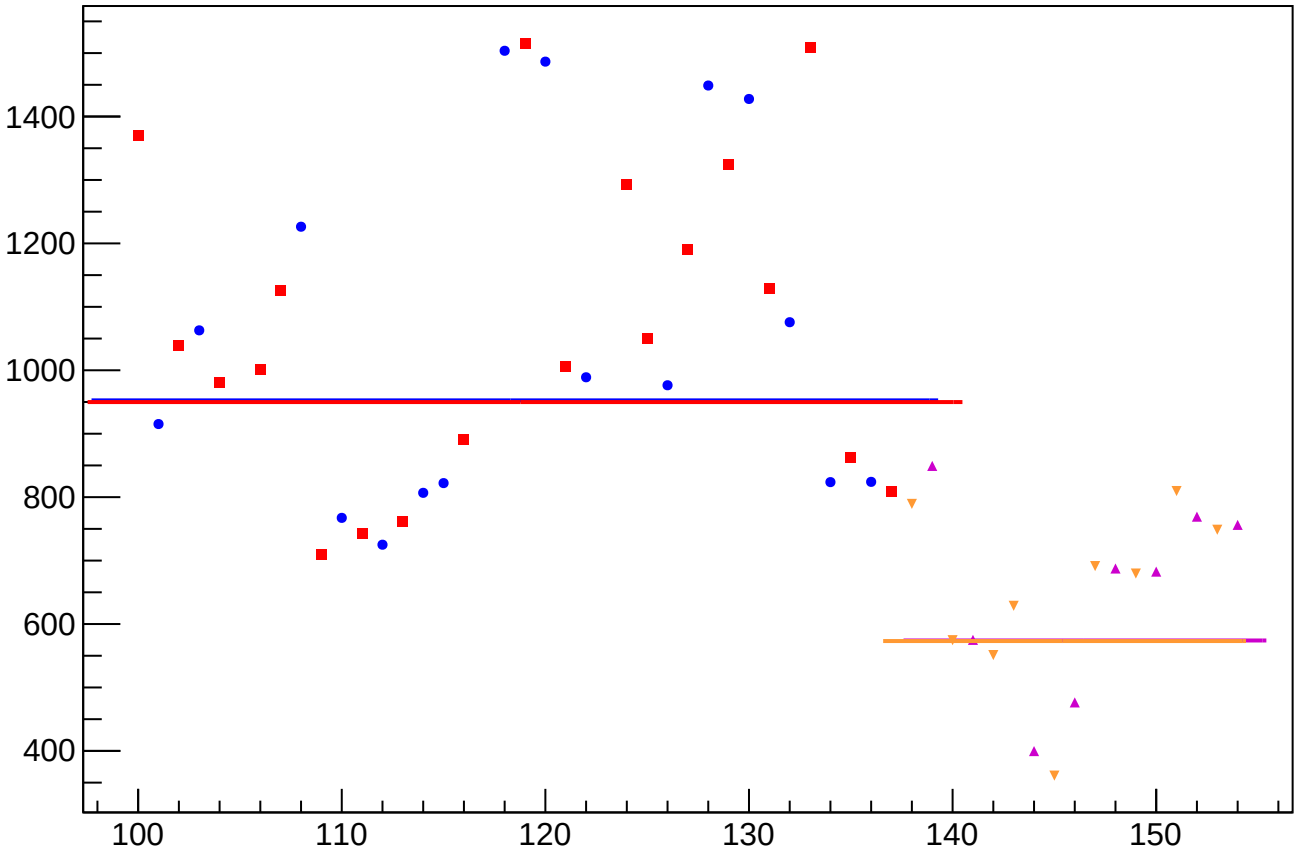
Left: -359.273+/-159.612 χ^2/NDF: 37.4/16

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -71.210+/-192.223 χ^2/NDF:32.1/23

Out: -338.303+/-190.768 χ^2/NDF:51.0/27

All: -205.771+/-135.405 χ^2/NDF: 84.0/51



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: 574.061+/-0.160 χ^2/NDF:876297.6/7

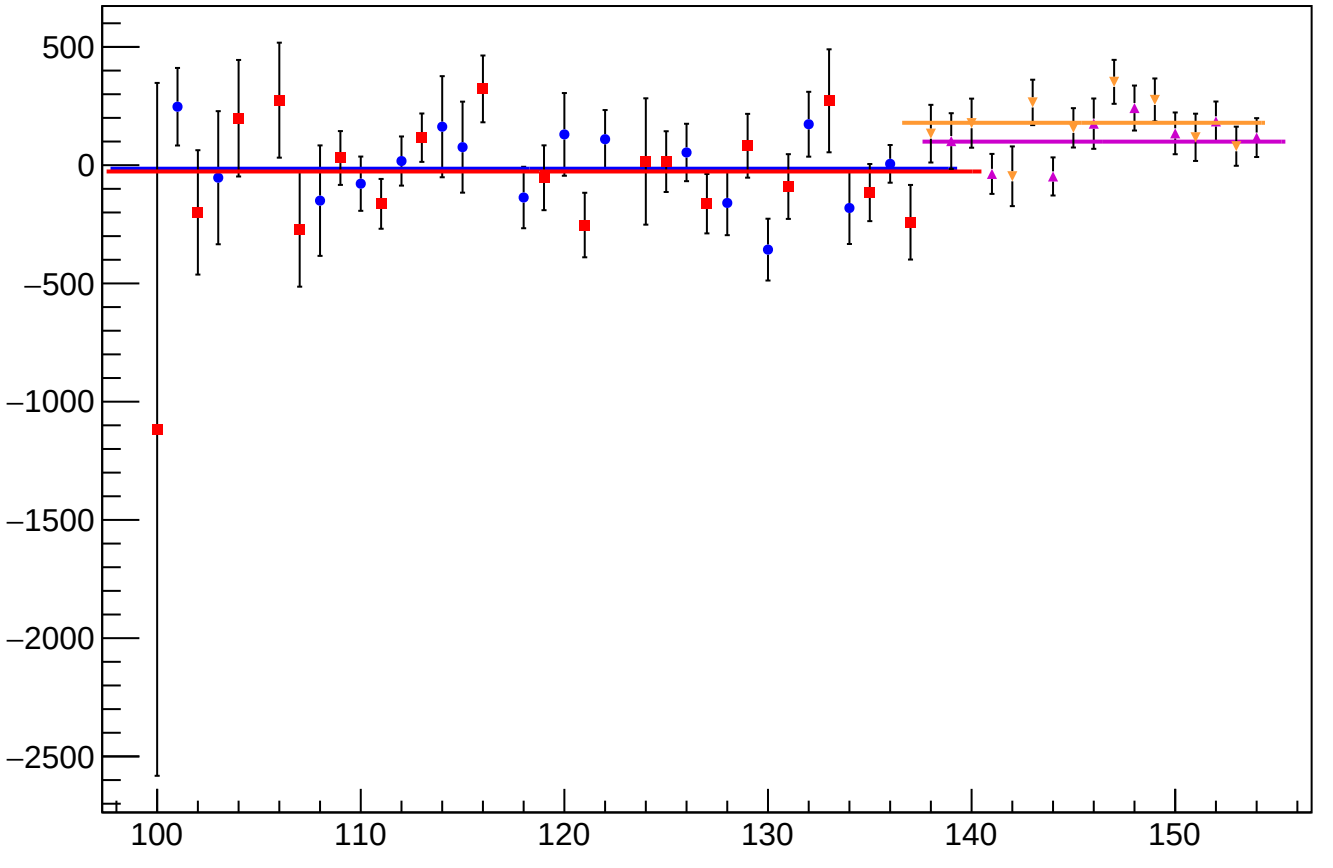
Left: 573.621+/-0.113 χ^2/NDF: 1880139.7/16

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 678.686+/-0.136 χ^2/NDF:3173585.3/23

Out: 680.230+/-0.135 χ^2/NDF:3341909.0/27

All: 679.464+/-0.096 χ^2/NDF: 6515559.3/51



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: 99.551+/-31.895 χ^2/NDF:9.9/7

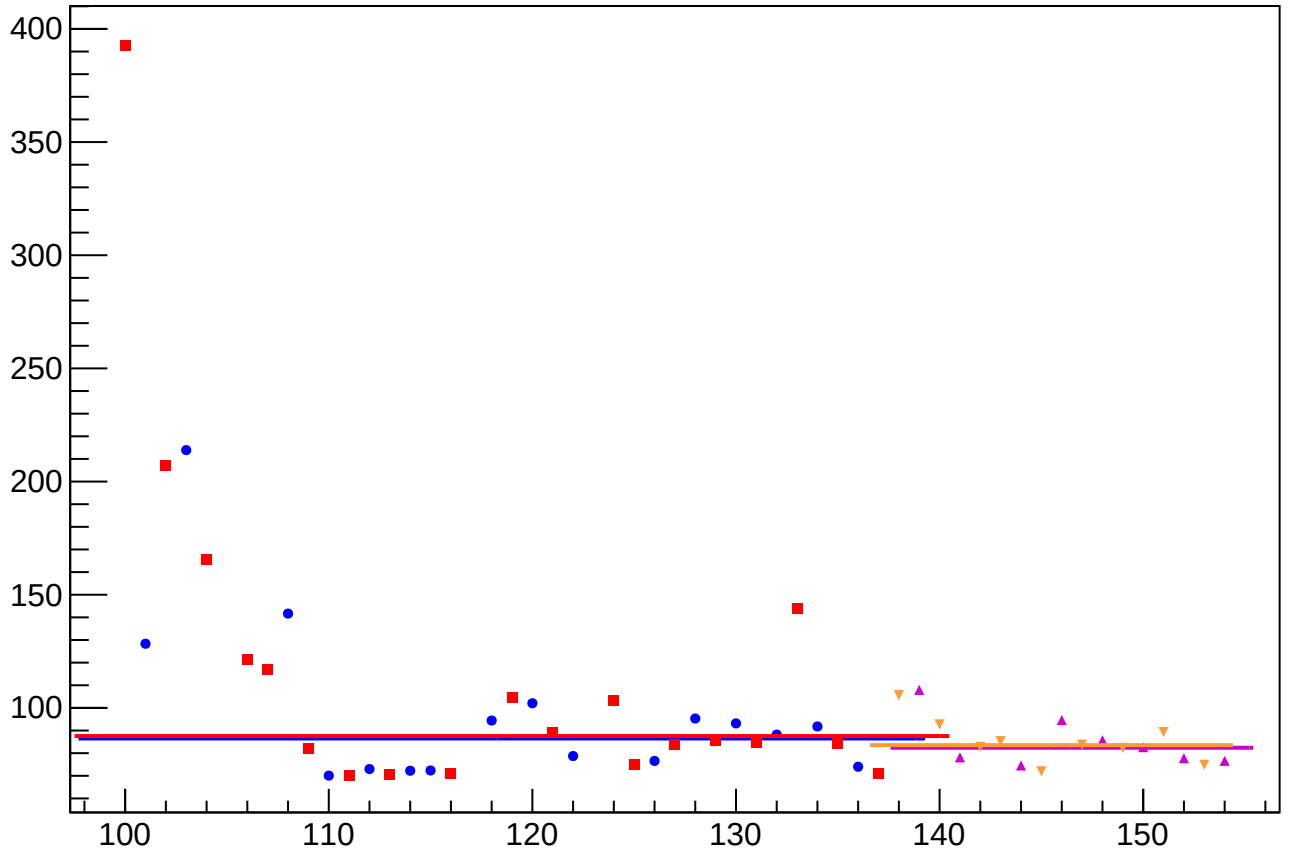
Left: 138.904+/-22.691 χ^2/NDF: 23.6/16

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 45.550+/-23.185 χ^2/NDF:34.3/23

Out: 81.822+/-23.437 χ^2/NDF:53.5/27

All: 63.490+/-16.482 χ^2/NDF: 89.0/51



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: 82.405+/-0.023 χ^2/NDF:162728.7/7

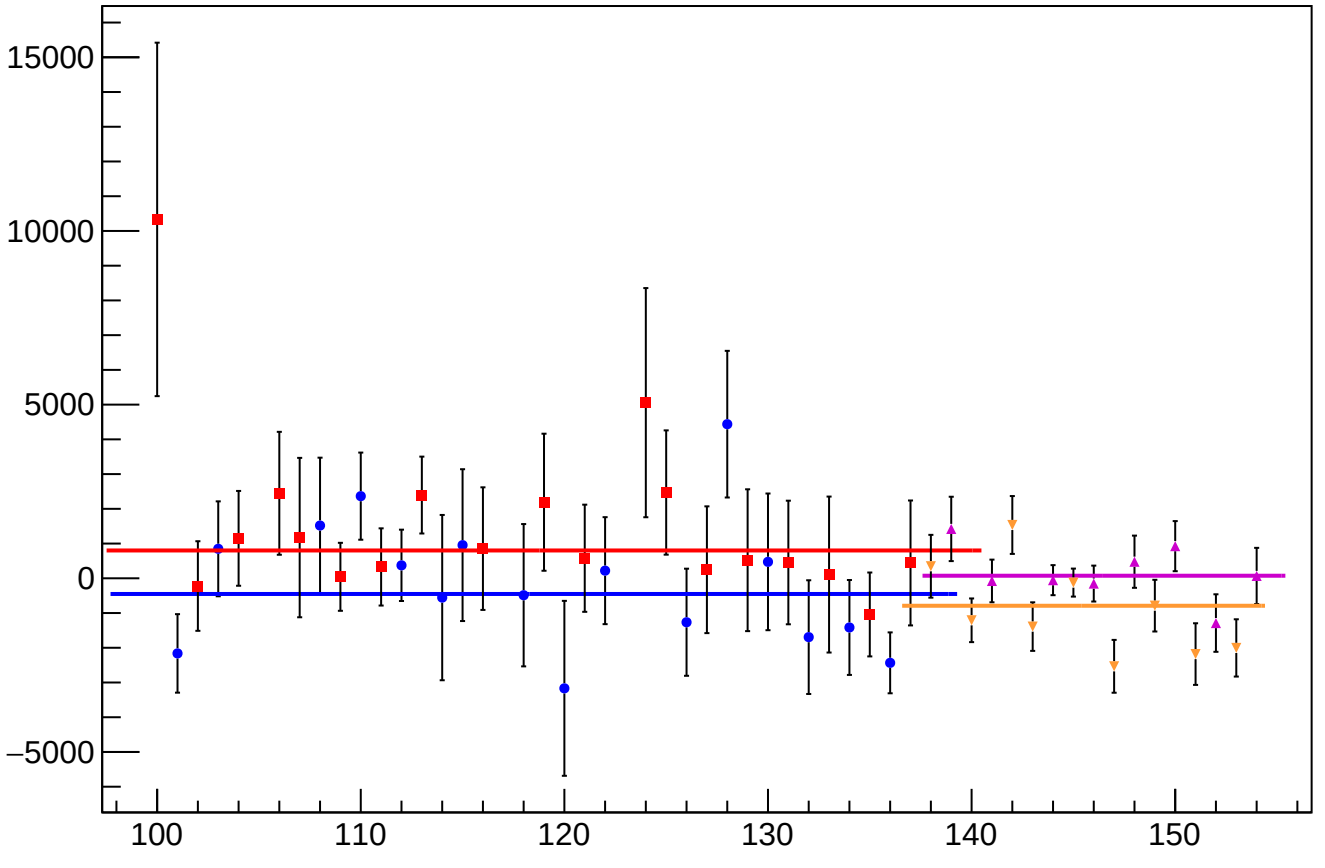
Left: 82.968+/-0.016 χ^2/NDF: 313929.4/16

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 84.331+/-0.016 χ^2/NDF:1034441.7/23

Out: 85.442+/-0.017 χ^2/NDF:1294336.9/27

All: 84.881+/-0.012 χ^2/NDF: 2331046.9/51



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: 74.028+/-225.977 χ^2/NDF:6.8/7

Left: -359.274+/-159.612 χ^2/NDF: 37.4/16

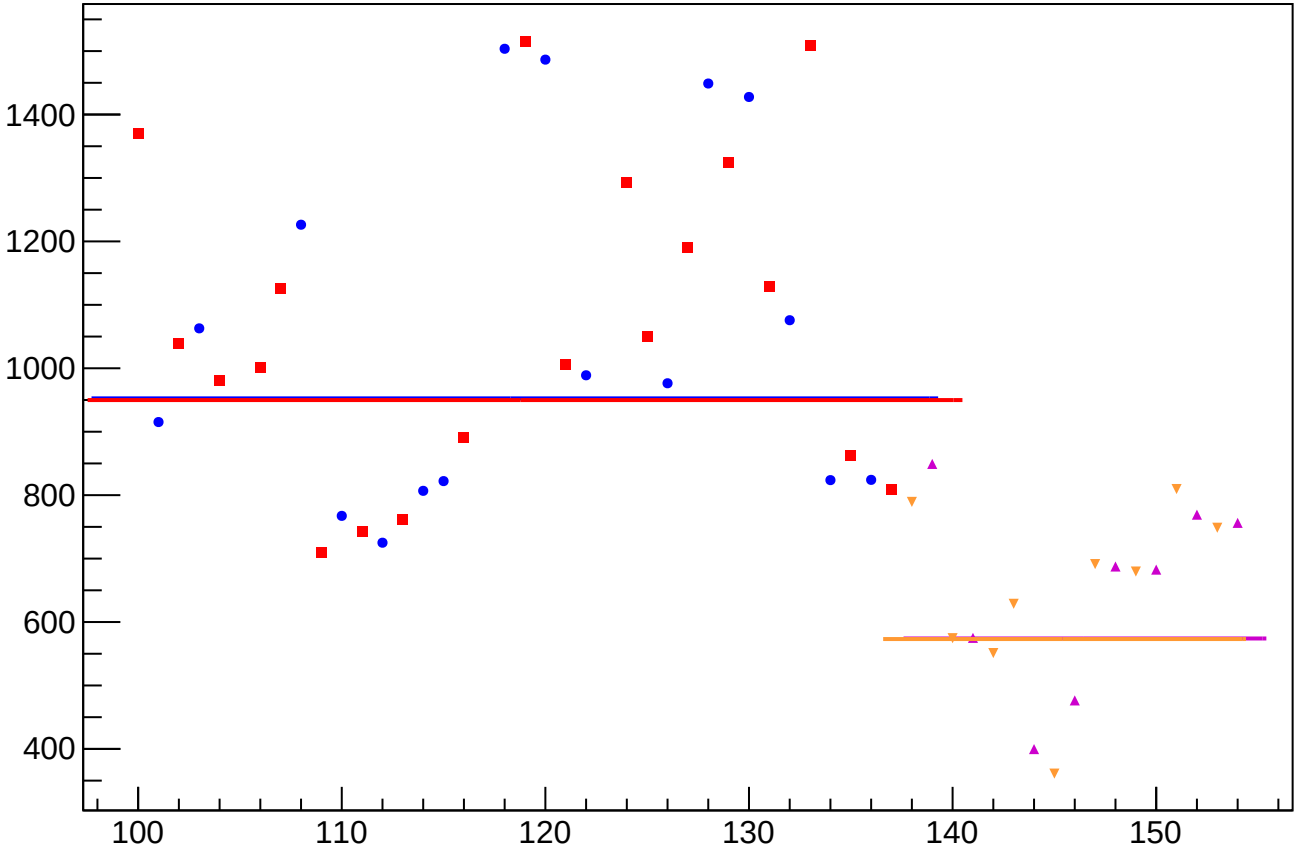
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -71.210+/-192.222 χ^2/NDF:32.1/23

Out: -338.303+/-190.767 χ^2/NDF:51.0/27

All: -205.771+/-135.404 χ^2/NDF: 84.0/51

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: 574.060+/-0.160 χ^2/NDF:876297.9/7

Left: 573.620+/-0.113 χ^2/NDF: 1880142.0/16

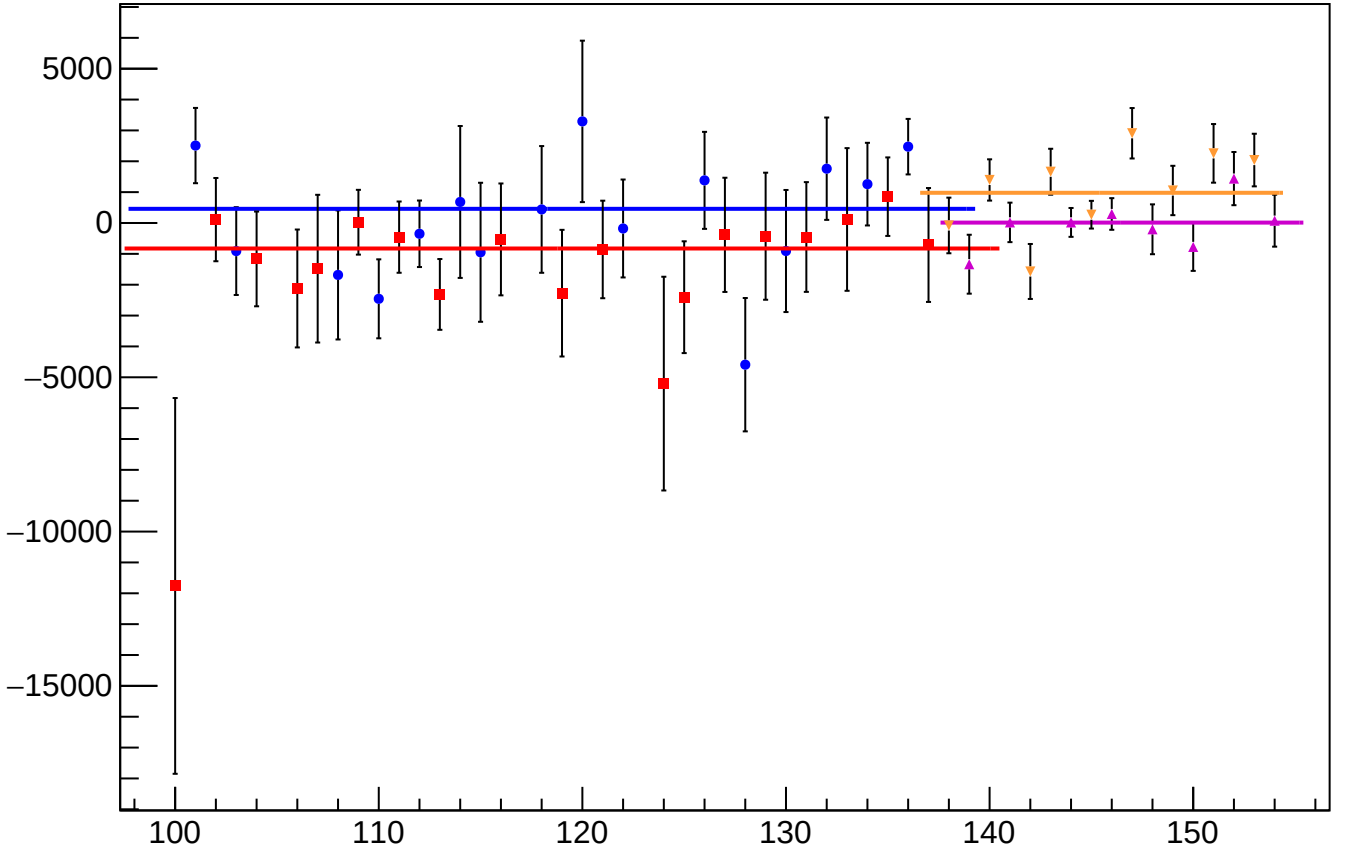
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 678.686+/-0.136 χ^2/NDF:3173582.7/23

Out: 680.229+/-0.135 χ^2/NDF:3341906.2/27

All: 679.463+/-0.096 χ^2/NDF: 6515553.9/51

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: 12.743+/-236.624 χ^2/NDF:6.1/7

Left: 484.498+/-169.277 χ^2/NDF: 36.5/16

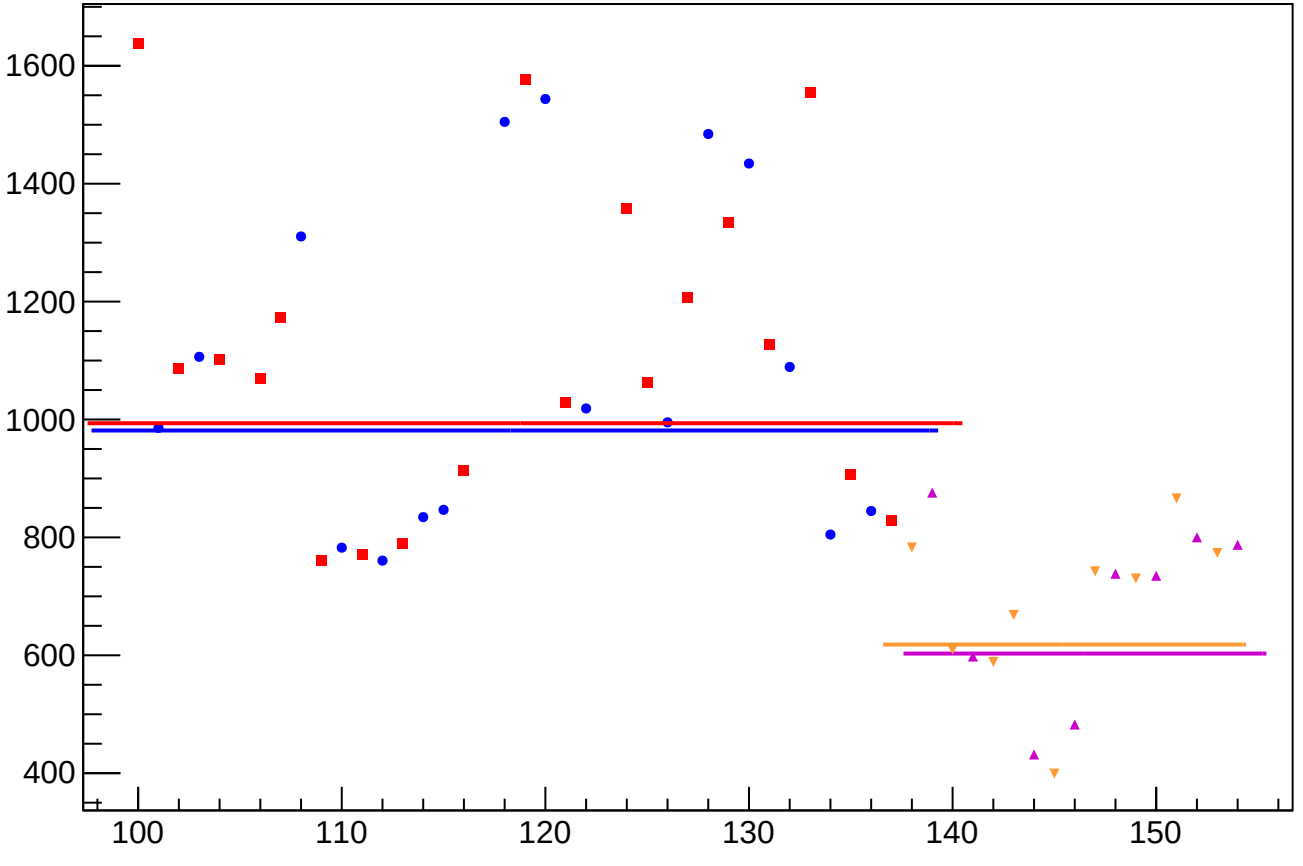
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 138.960+/-200.399 χ^2/NDF:31.7/23

Out: 445.825+/-203.370 χ^2/NDF:50.3/27

All: 290.134+/-142.742 χ^2/NDF: 83.2/51

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: 602.942+/-0.167 χ^2/NDF:856578.6/7

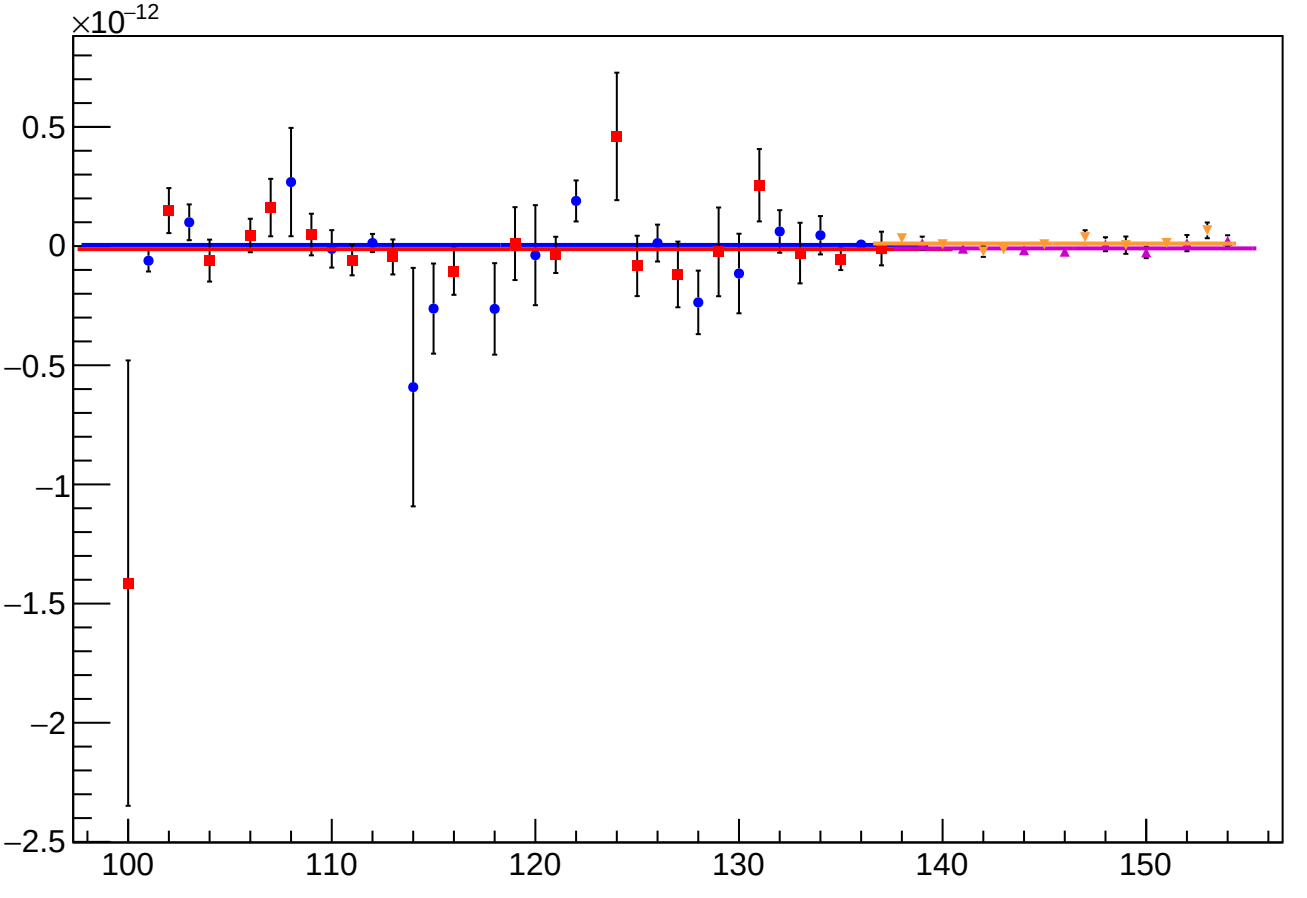
Left: 610.413+/-0.120 χ^2/NDF: 1702556.7/16

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 709.936+/-0.142 χ^2/NDF:3040407.6/23

Out: 729.112+/-0.144 χ^2/NDF:2980118.6/27

All: 719.383+/-0.101 χ^2/NDF: 6029547.9/51



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:4.7/7

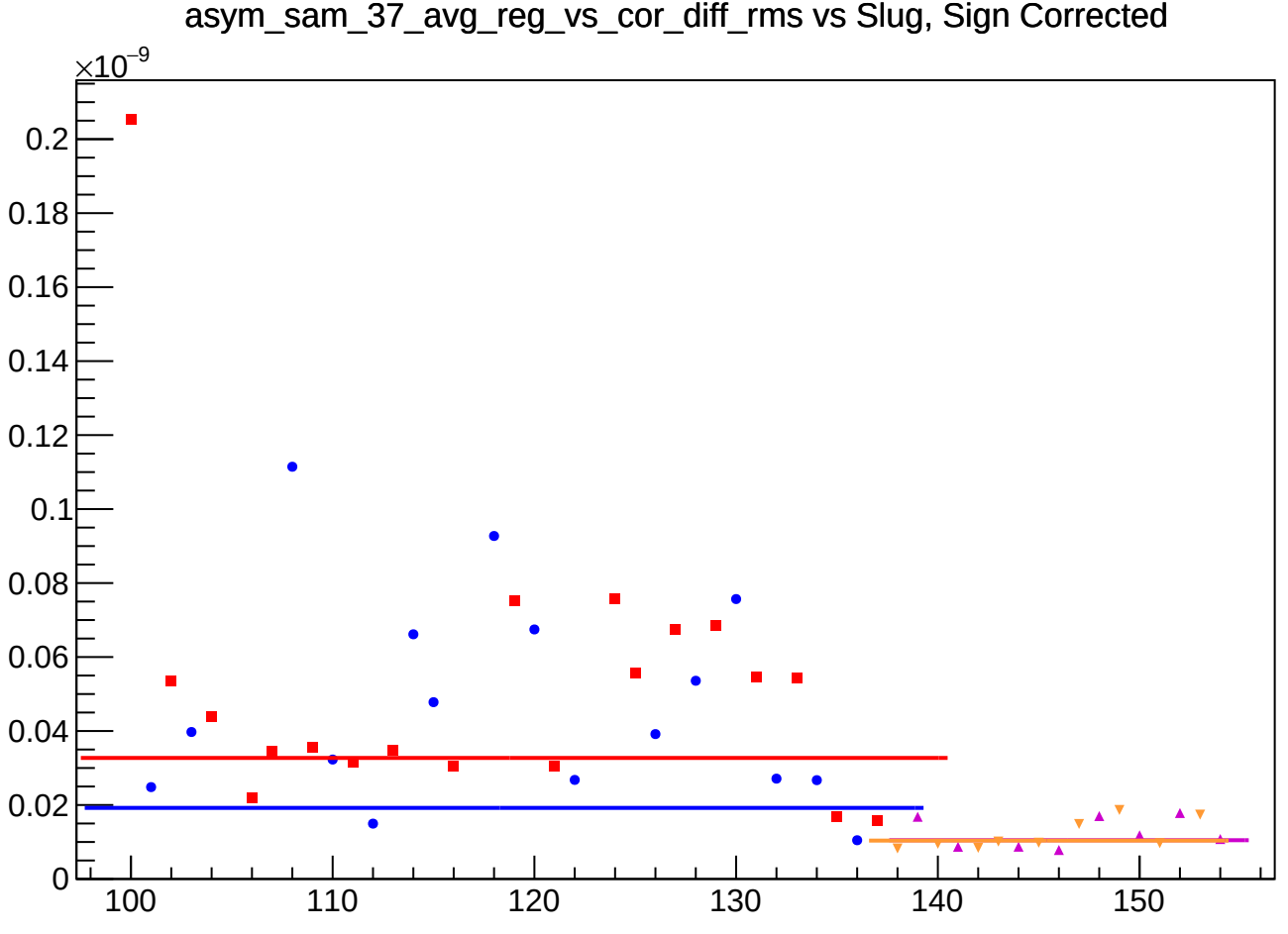
Left: 0.000+/-0.000 χ^2/NDF: 18.0/16

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:25.2/23

Out: 0.000+/-0.000 χ^2/NDF:28.7/27

All: 0.000+/-0.000 χ^2/NDF: 56.6/51



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:411448.3/7

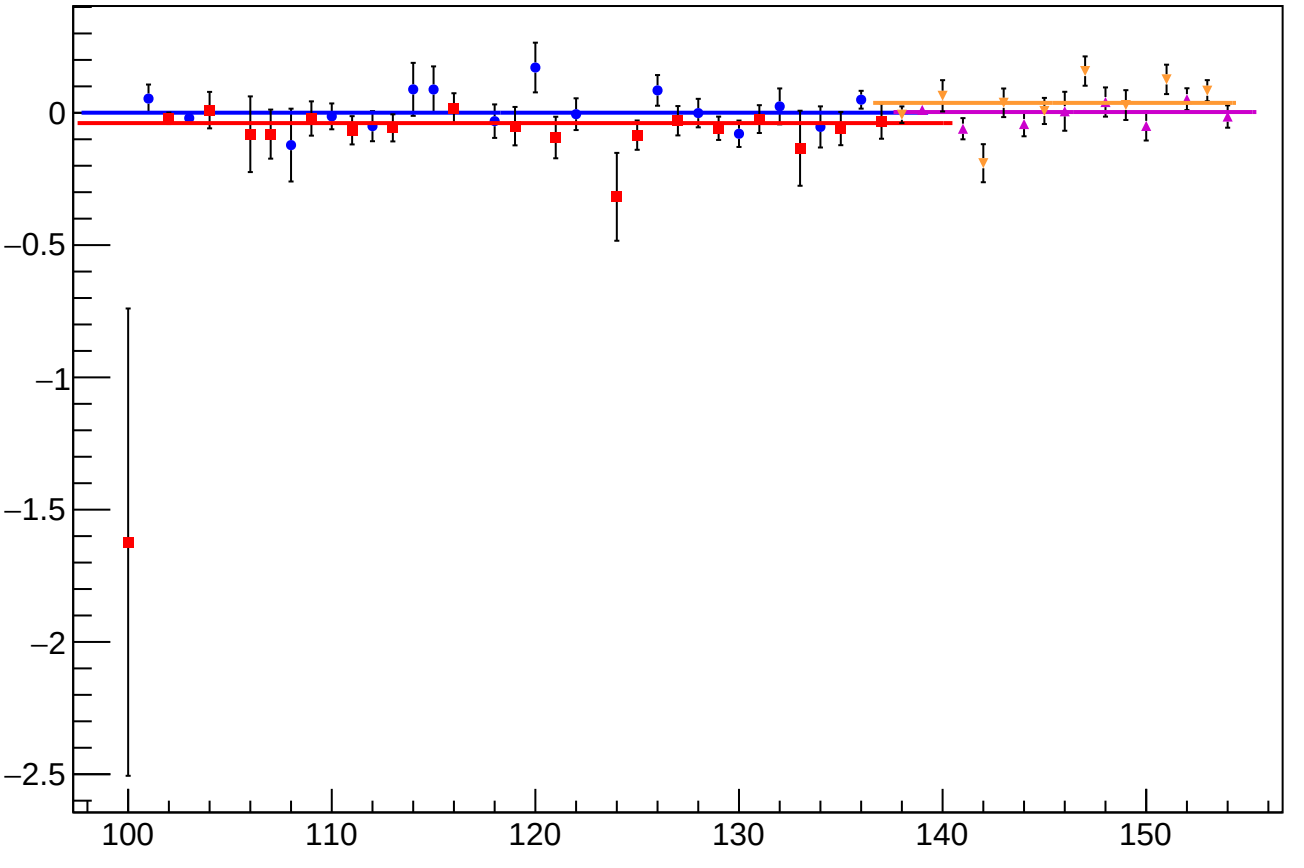
Left: 0.000+/-0.000 χ^2/NDF: 707026.6/16

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:2974722.5/23

Out: 0.000+/-0.000 χ^2/NDF:3555699.9/27

All: 0.000+/-0.000 χ^2/NDF: 6535473.4/51



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: 0.003+/-0.011 χ^2/NDF:6.7/7

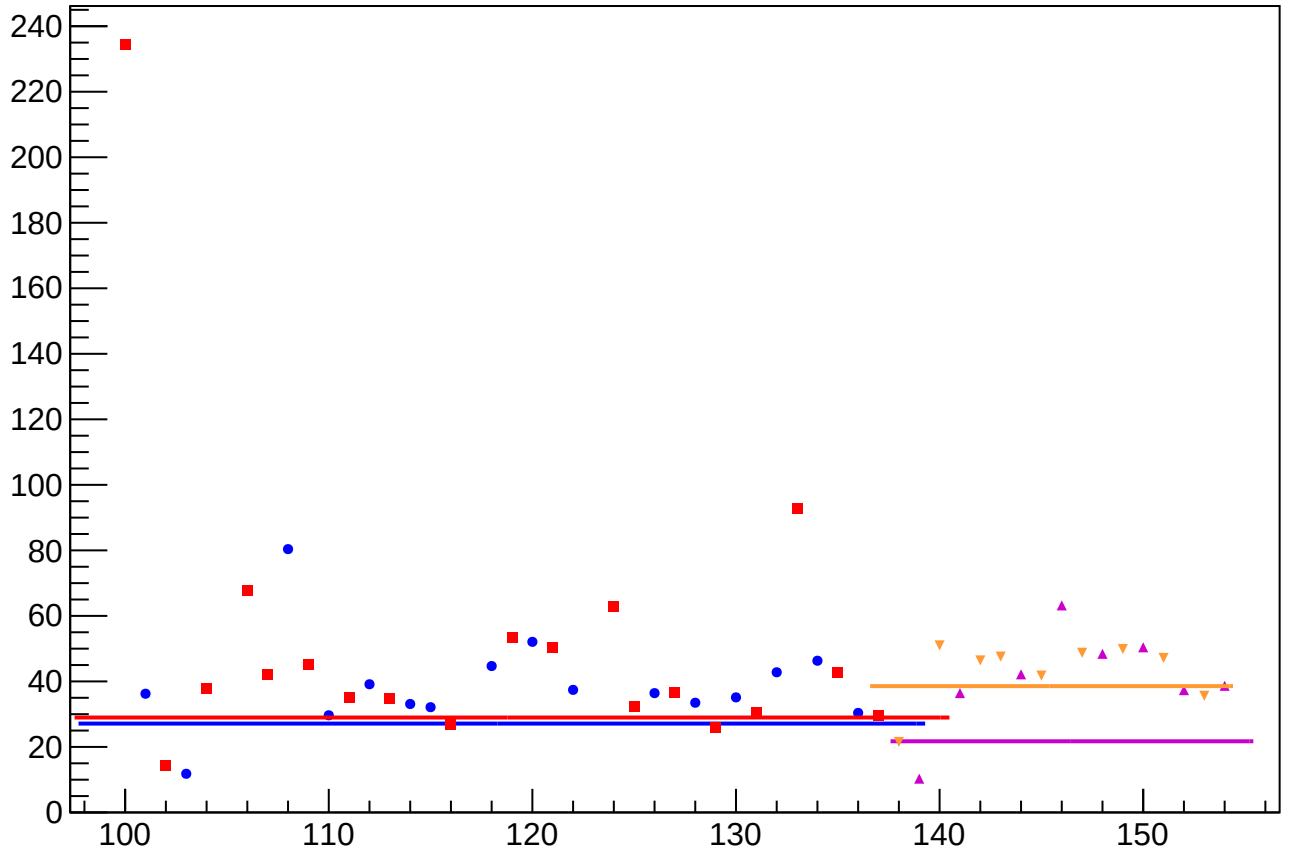
Left: 0.014+/-0.009 χ^2/NDF: 31.2/16

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.3/23

Out: -0.010+/-0.010 χ^2/NDF:46.2/27

All: -0.003+/-0.006 χ^2/NDF: 70.3/51



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: 21.728+/-0.008 χ^2/NDF:4354295.9/7

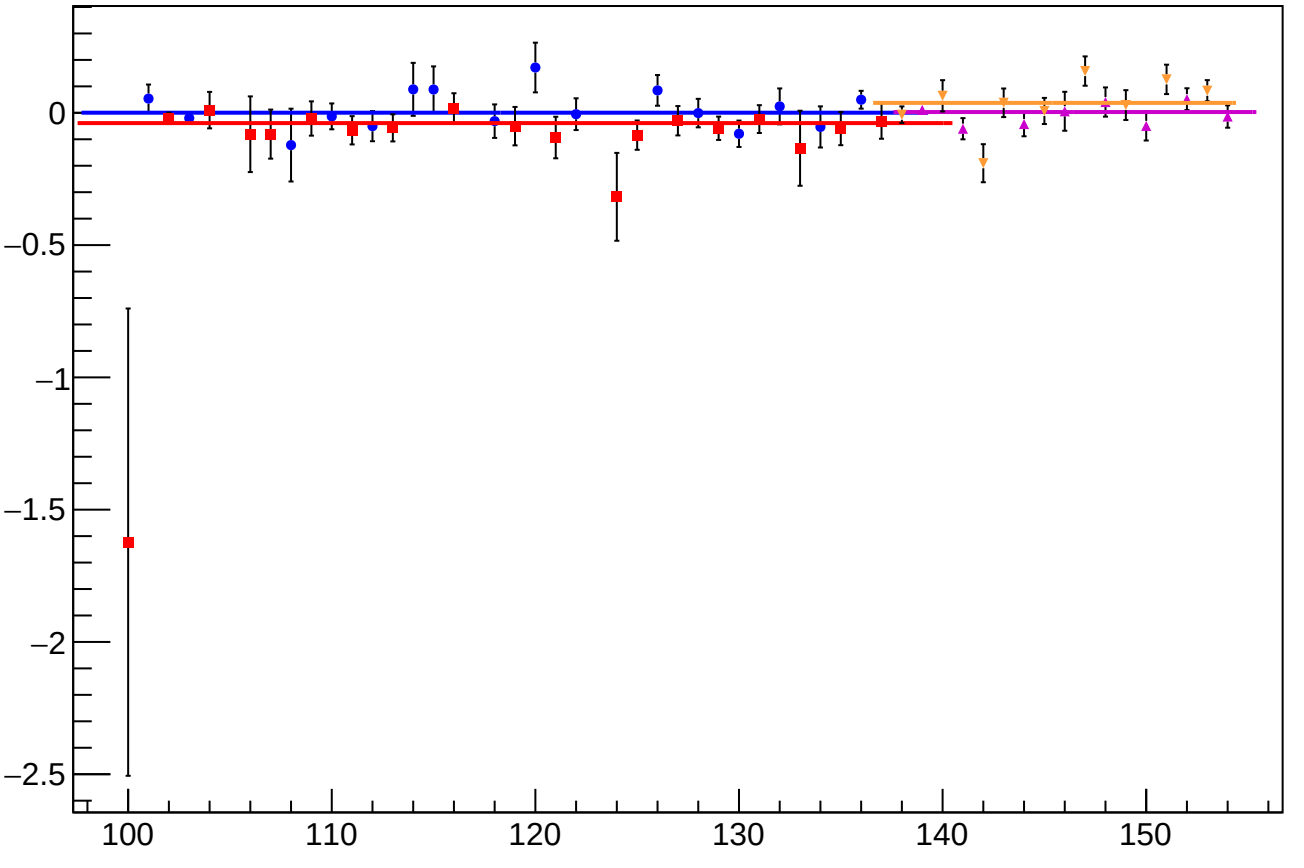
Left: 26.913+/-0.006 χ^2/NDF: 6831900.1/16

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.129+/-0.006 χ^2/NDF:6993299.4/23

Out: 32.621+/-0.007 χ^2/NDF:3865249.8/27

All: 27.476+/-0.004 χ^2/NDF: 11741322.0/51



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: 0.003+/-0.011 χ^2/NDF:6.7/7

Left: 0.014+/-0.009 χ^2/NDF: 31.2/16

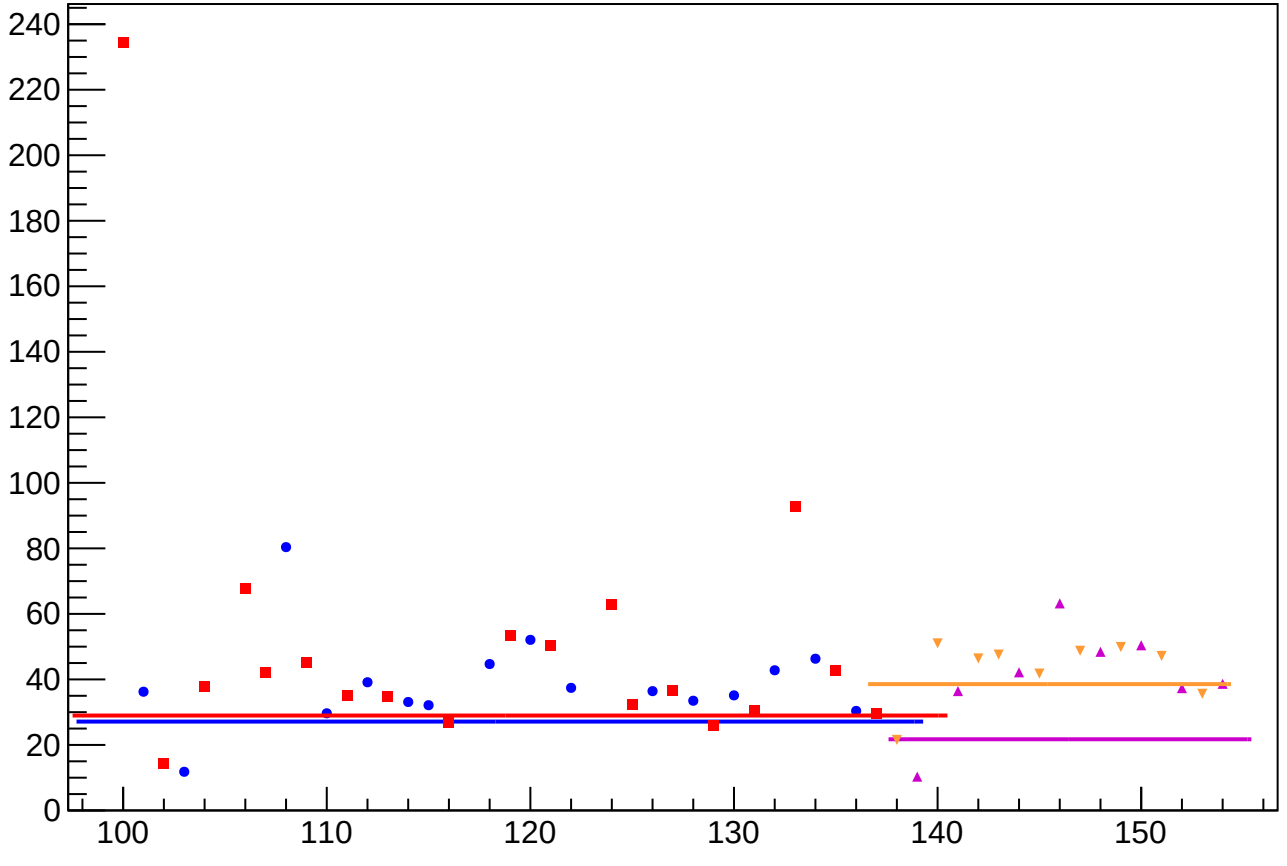
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.3/23

Out: -0.010+/-0.010 χ^2/NDF:46.2/27

All: -0.003+/-0.006 χ^2/NDF: 70.3/51

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: 21.728+/-0.008 χ^2/NDF:4354295.9/7

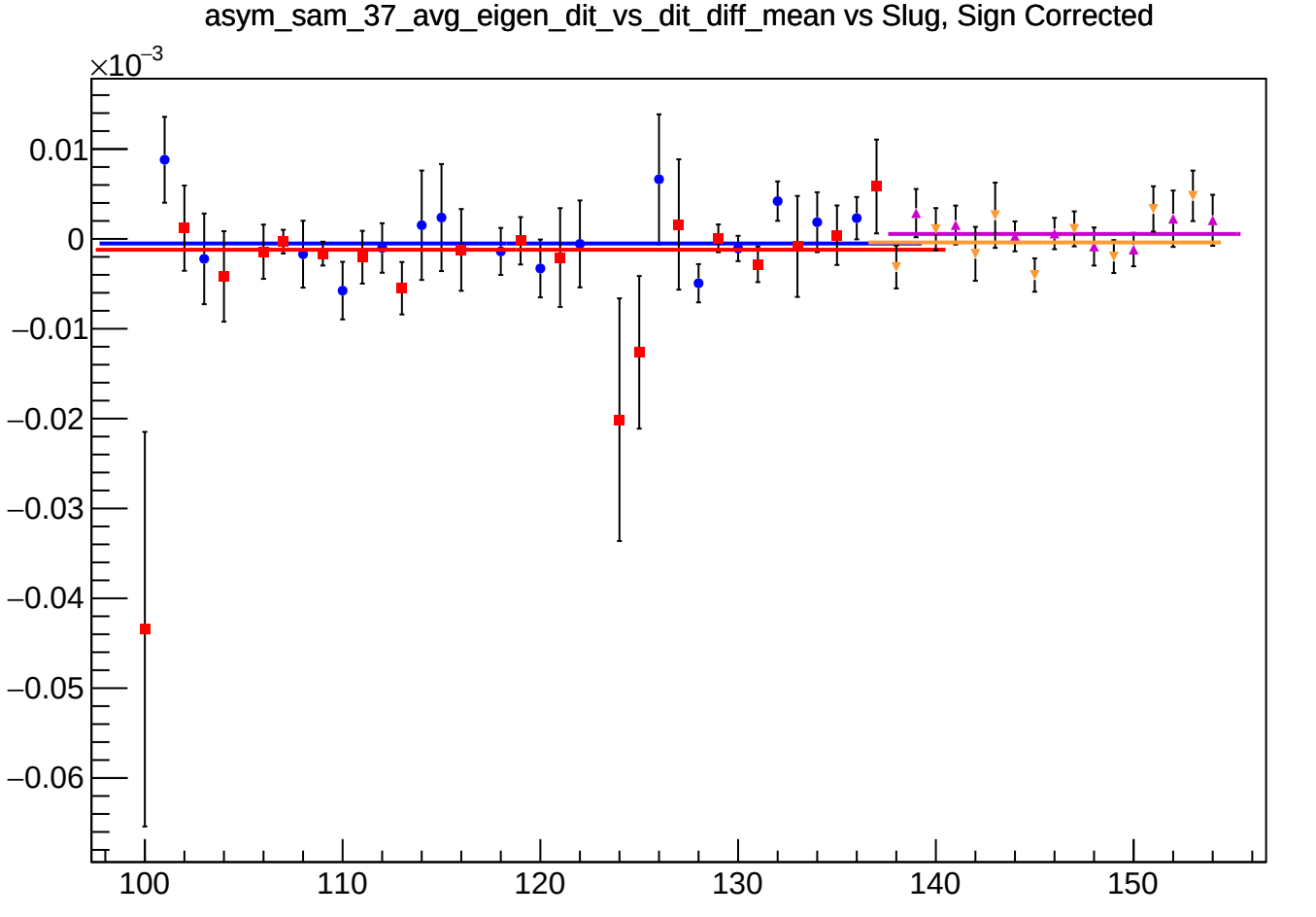
Left: 26.913+/-0.006 χ^2/NDF: 6831900.1/16

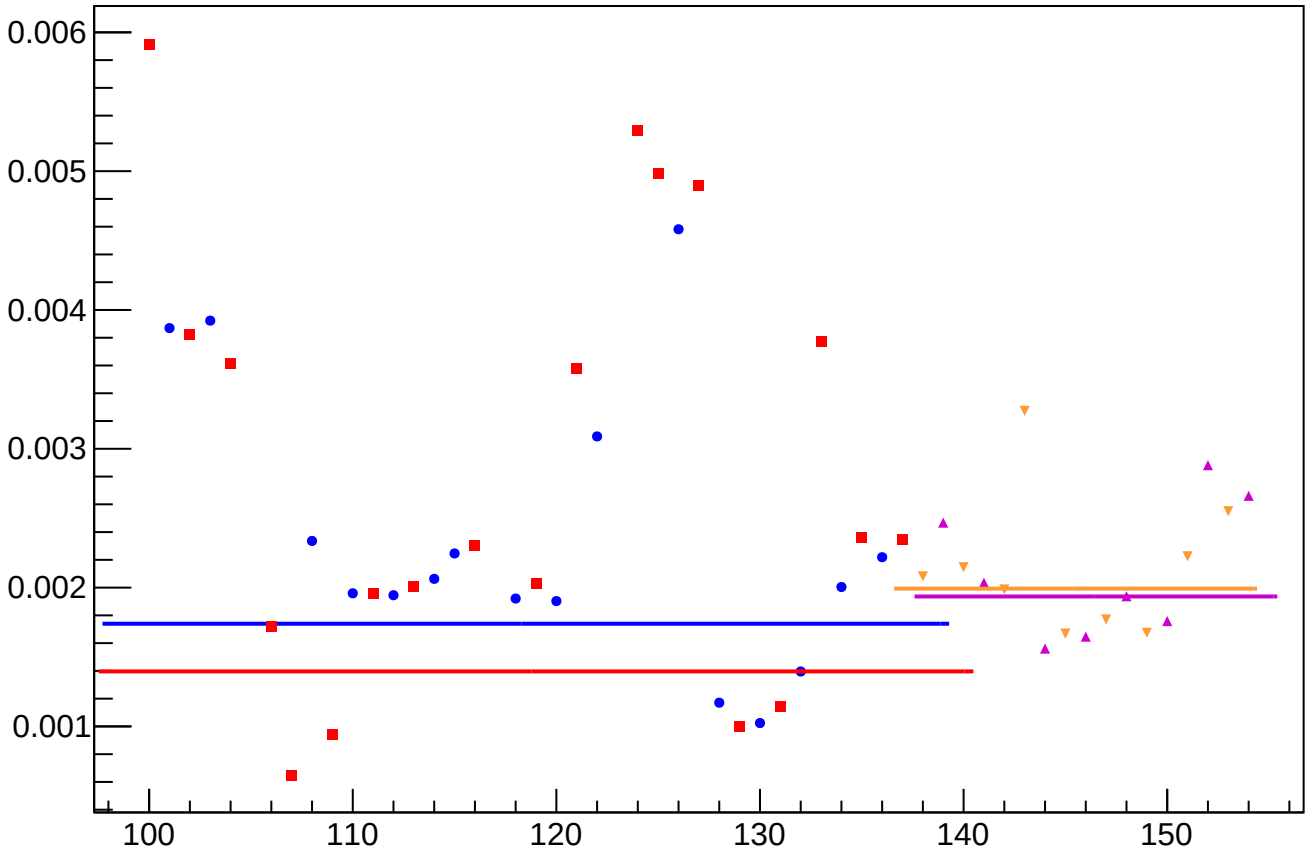
Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.129+/-0.006 χ^2/NDF:6993299.4/23

Out: 32.621+/-0.007 χ^2/NDF:3865249.8/27

All: 27.476+/-0.004 χ^2/NDF: 11741322.0/51


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:13.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 14.6/18
Left In: 0.000+/-0.000 χ²/NDF:2.9/7
Left: 0.000+/-0.000 χ²/NDF: 17.0/16
Right: -0.000+/-0.000 χ²/NDF: 35.1/34
In: -0.000+/-0.000 χ²/NDF:23.9/23
Out: -0.000+/-0.000 χ²/NDF:28.6/27
All: -0.000+/-0.000 χ²/NDF: 54.1/51



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:569724.3/7

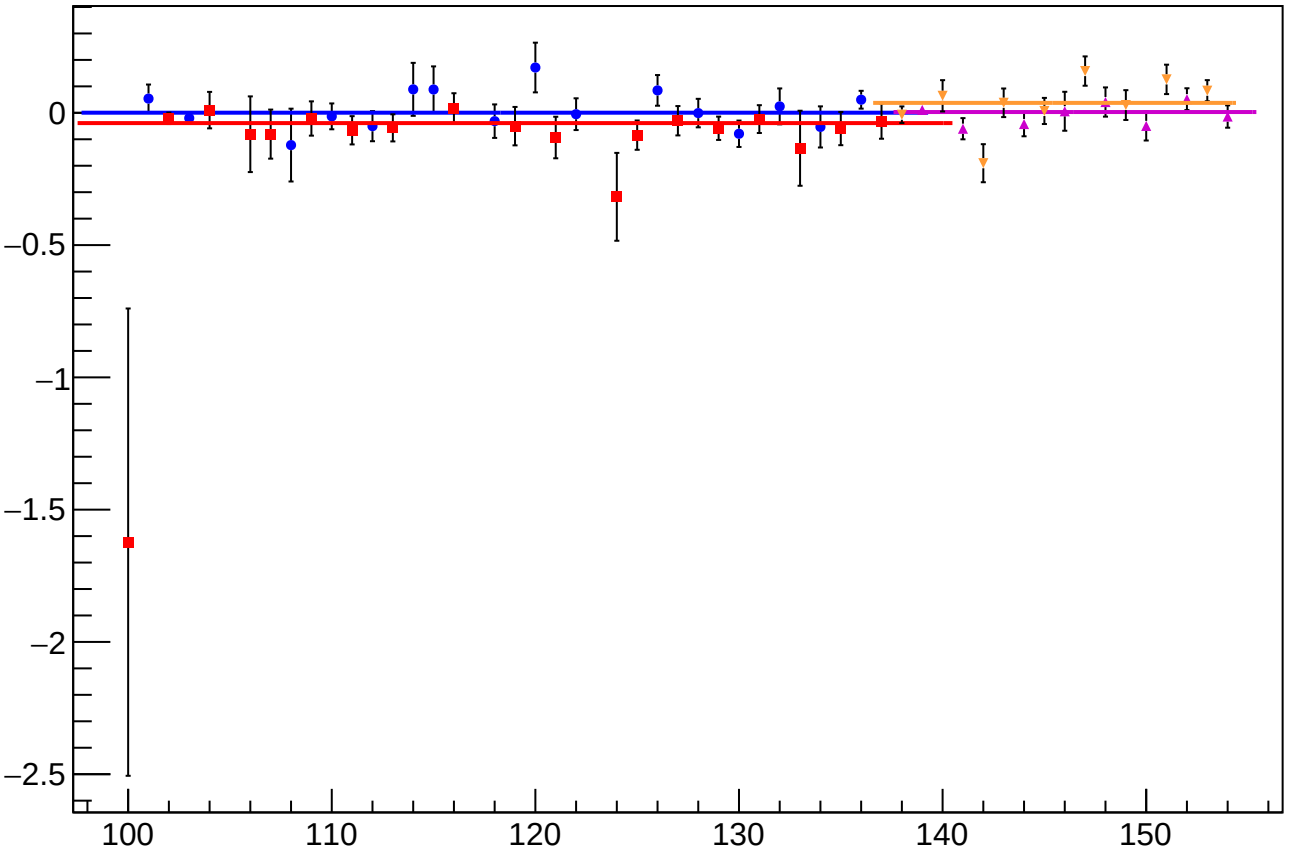
Left: 0.002+/-0.000 χ^2/NDF: 1078152.4/16

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2788161.0/23

Out: 0.002+/-0.000 χ^2/NDF:5559310.8/27

All: 0.002+/-0.000 χ^2/NDF: 8519402.5/51



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: 0.003+/-0.011 χ^2/NDF:6.7/7

Left: 0.014+/-0.009 χ^2/NDF: 31.2/16

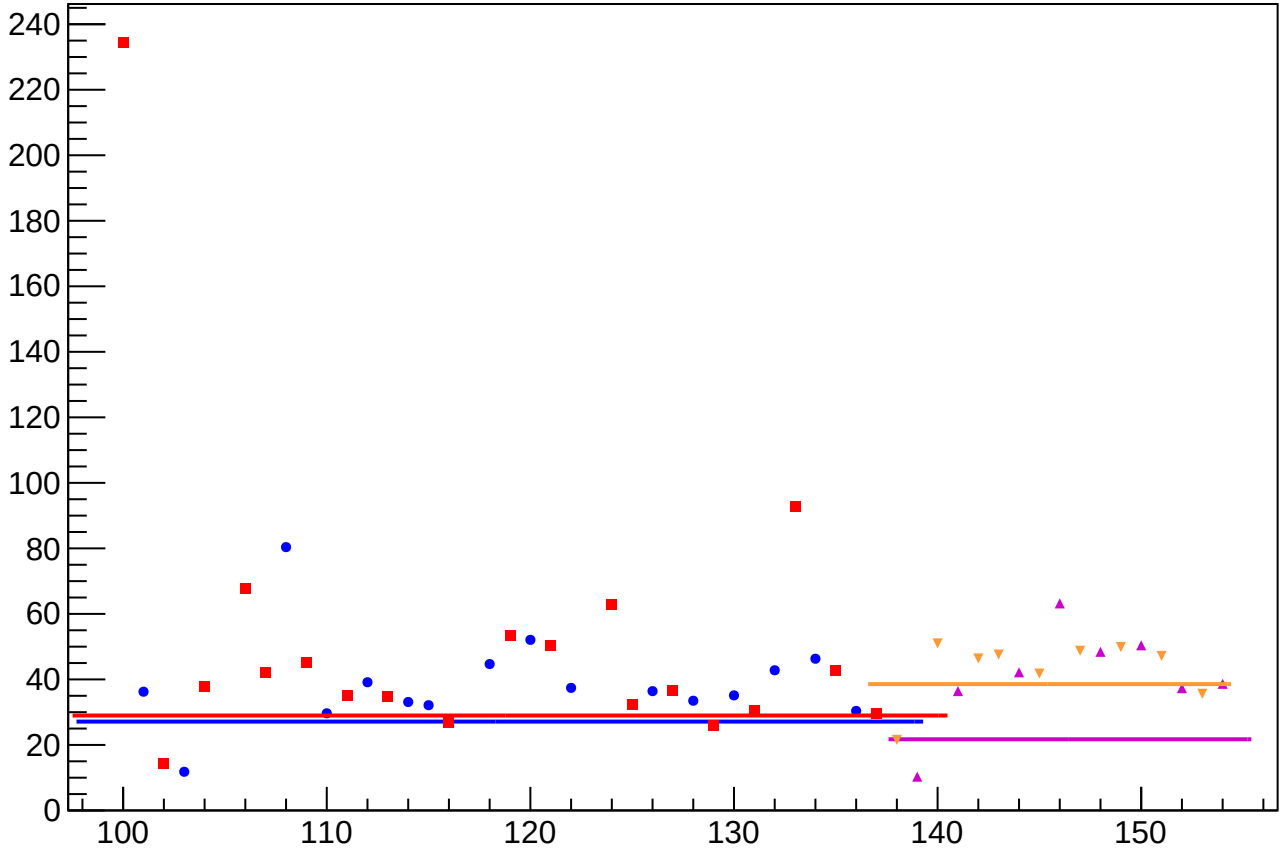
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.3/23

Out: -0.010+/-0.010 χ^2/NDF:46.2/27

All: -0.003+/-0.006 χ^2/NDF: 70.3/51

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: 21.726+/-0.008 χ^2/NDF:4354976.7/7

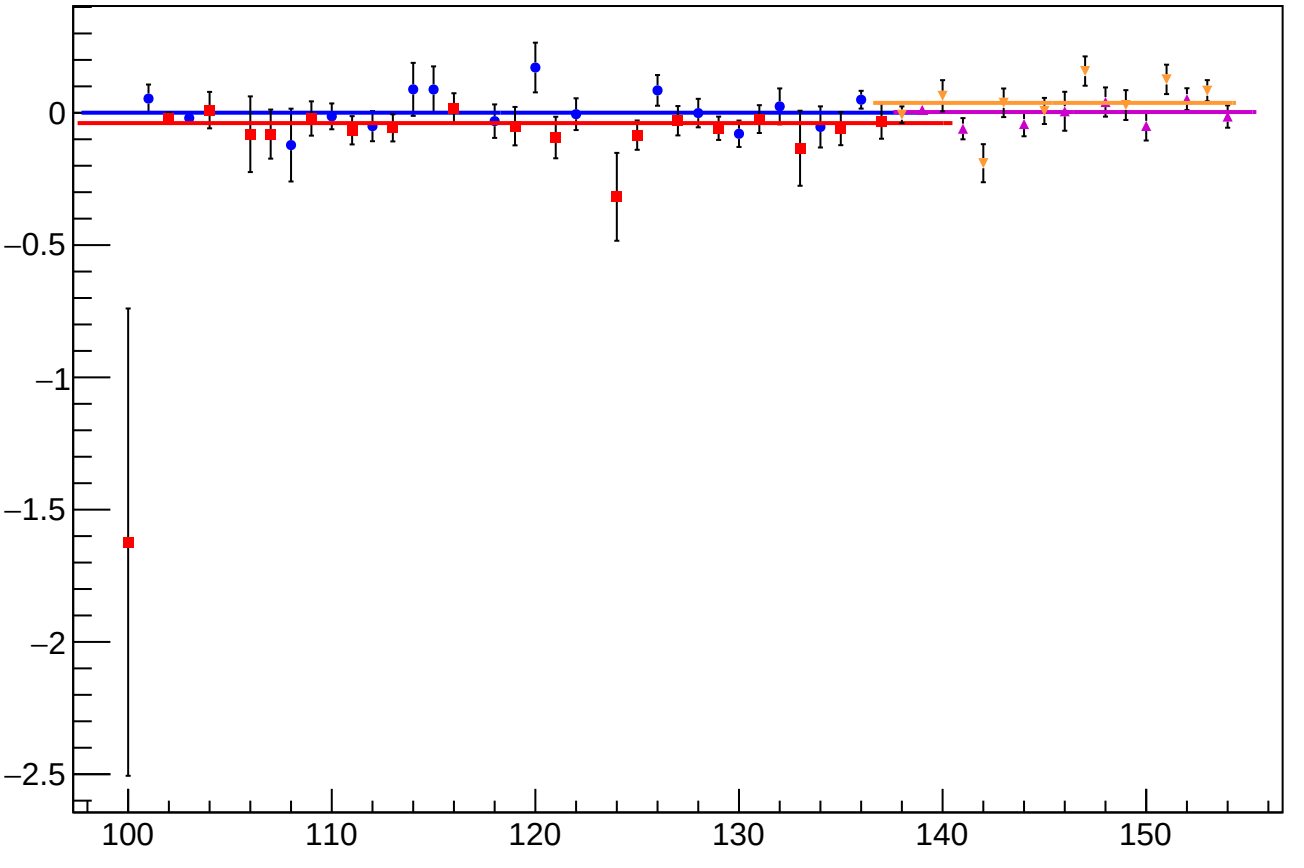
Left: 26.911+/-0.006 χ^2/NDF: 6833213.4/16

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.128+/-0.006 χ^2/NDF:6994443.6/23

Out: 32.623+/-0.007 χ^2/NDF:3864679.6/27

All: 27.475+/-0.004 χ^2/NDF: 11742543.2/51



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: 0.003+/-0.011 χ^2/NDF:6.7/7

Left: 0.014+/-0.009 χ^2/NDF: 31.2/16

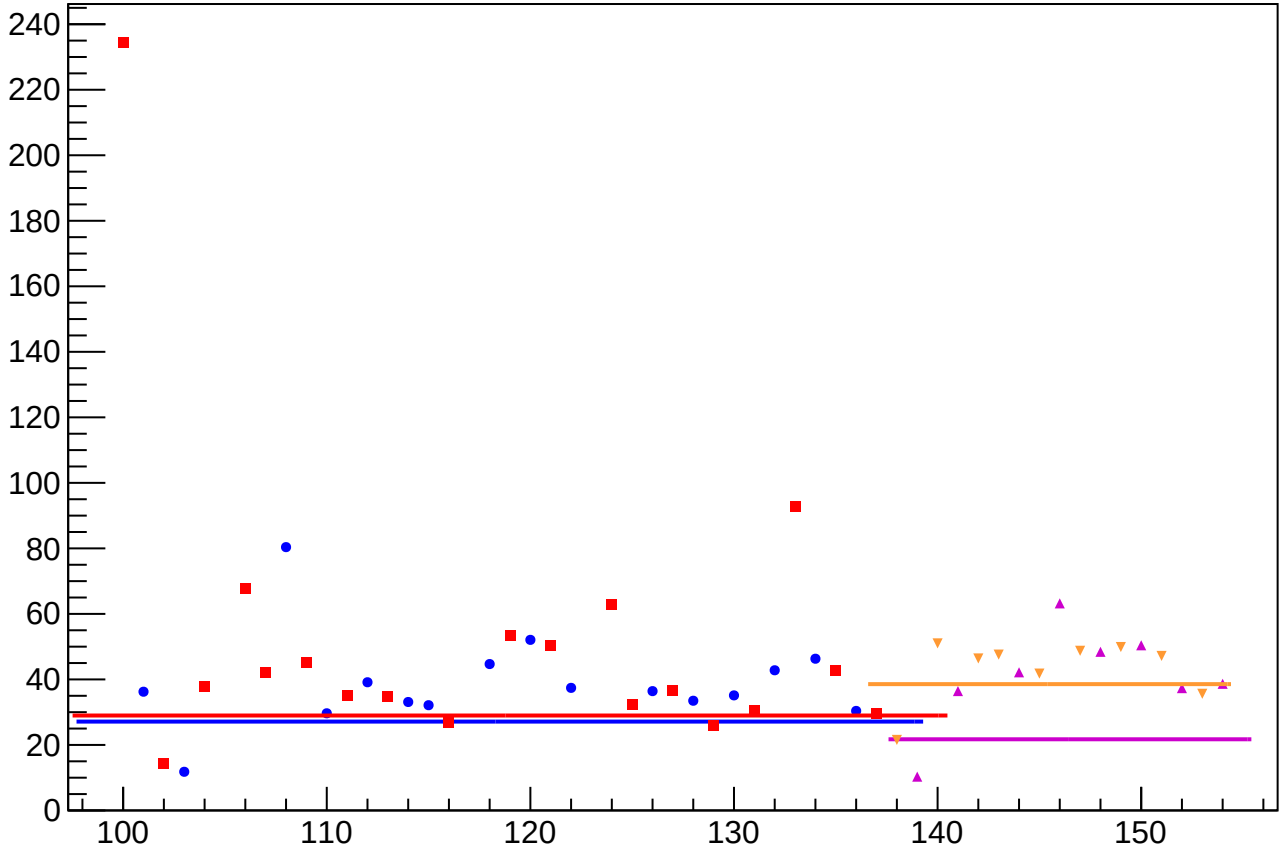
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.3/23

Out: -0.010+/-0.010 χ^2/NDF:46.2/27

All: -0.003+/-0.006 χ^2/NDF: 70.3/51

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: 21.726+/-0.008 χ^2/NDF:4354976.7/7

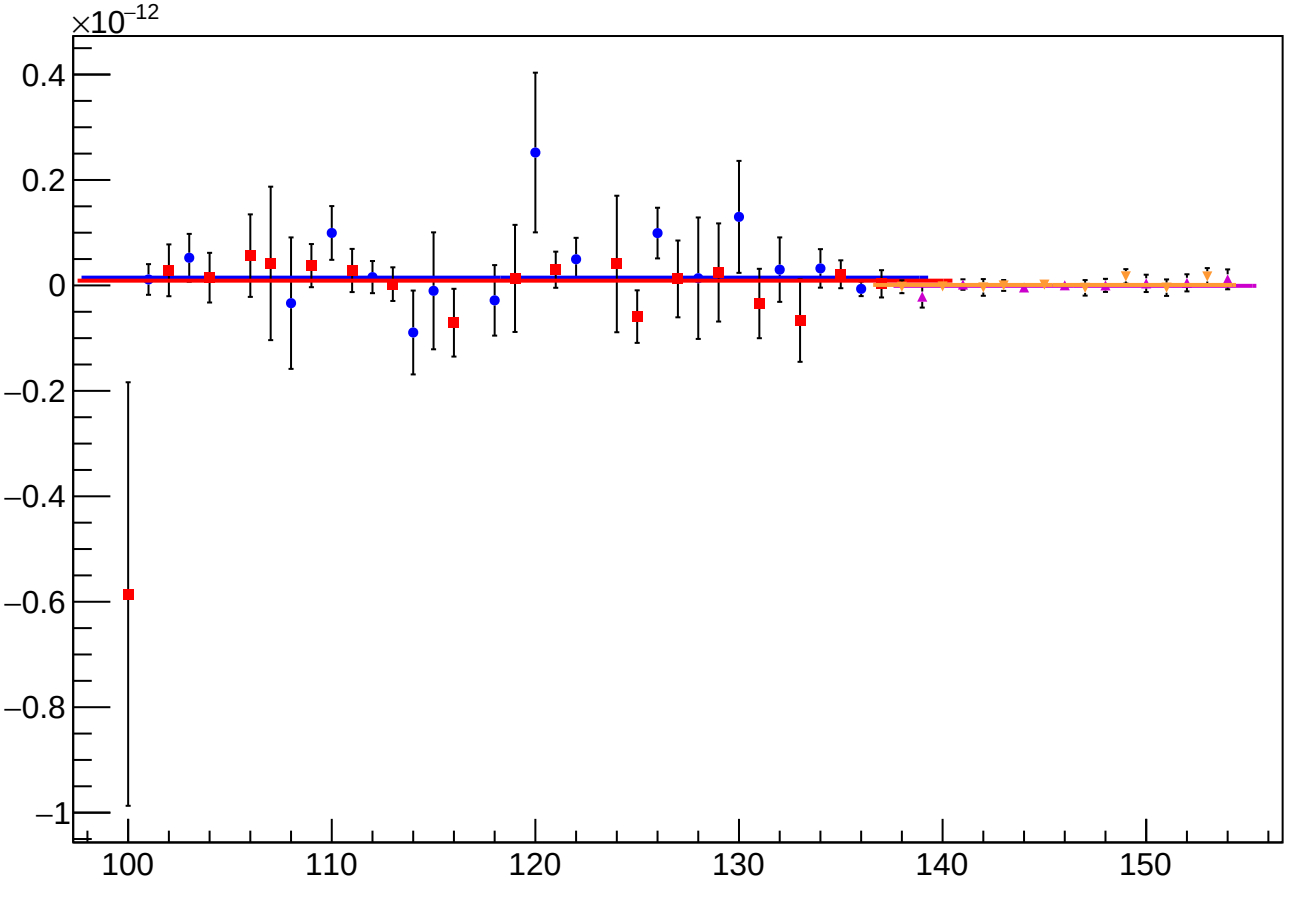
Left: 26.911+/-0.006 χ^2/NDF: 6833213.4/16

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.128+/-0.006 χ^2/NDF:6994443.6/23

Out: 32.623+/-0.007 χ^2/NDF:3864679.6/27

All: 27.475+/-0.004 χ^2/NDF: 11742543.2/51



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:1.9/7

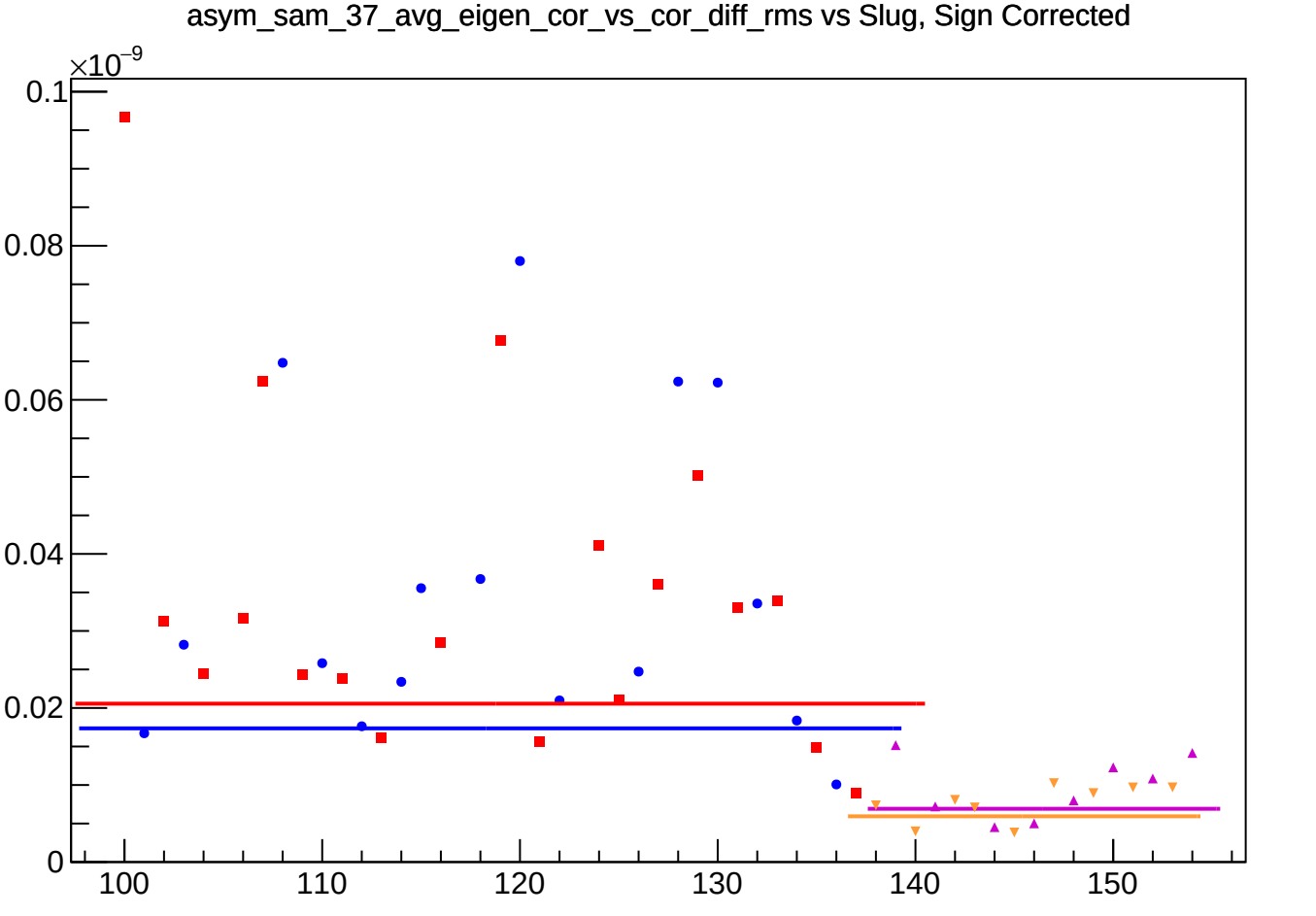
Left: 0.000+/-0.000 χ^2/NDF: 5.1/16

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:20.2/23

Out: 0.000+/-0.000 χ^2/NDF:12.6/27

All: 0.000+/-0.000 χ^2/NDF: 32.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:969717.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1332425.5/7

Left: 0.000+/-0.000 χ^2/NDF: 2374183.6/16

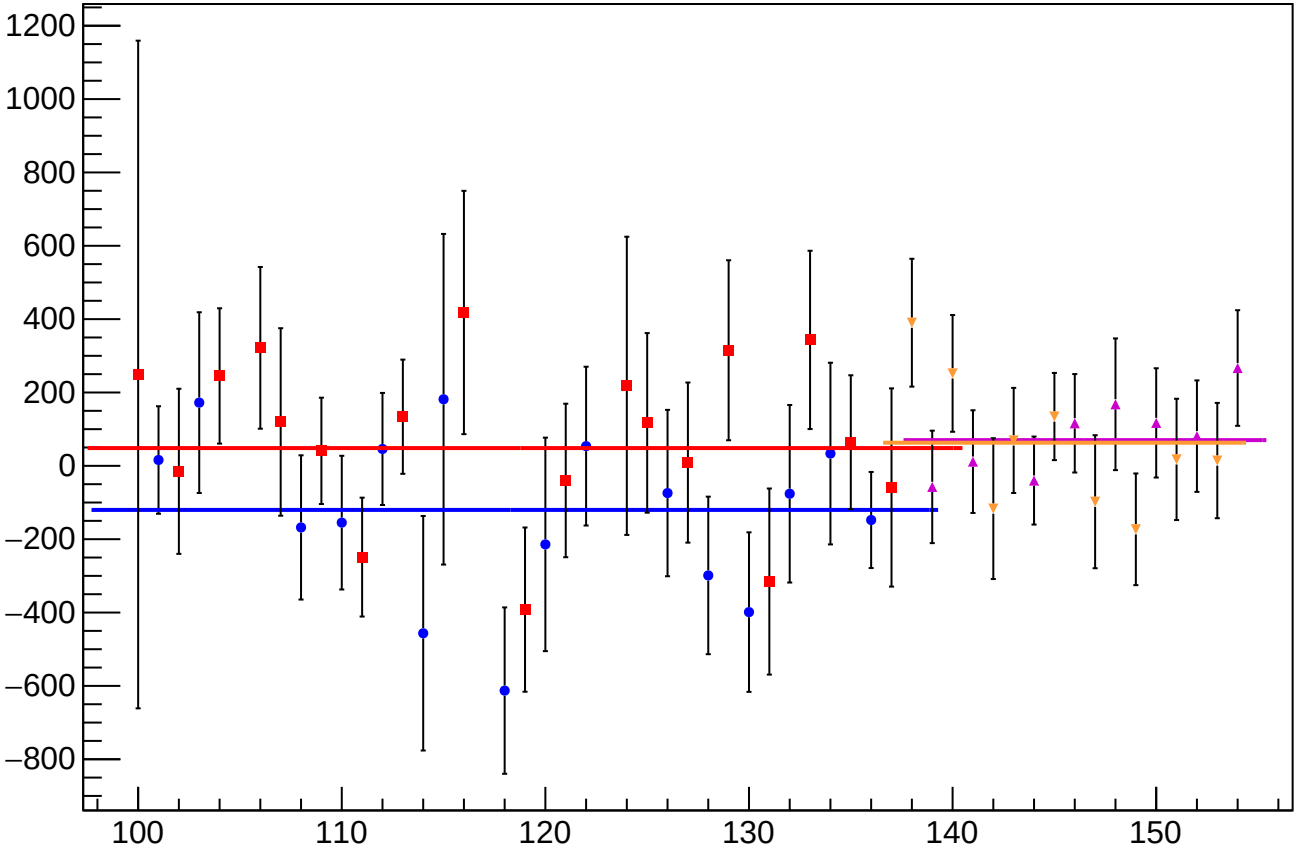
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:5869443.2/23

Out: 0.000+/-0.000 χ^2/NDF:6210488.2/27

All: 0.000+/-0.000 χ^2/NDF: 12188001.8/51

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: 70.149+/-51.421 χ^2/NDF:3.8/7

Left: 66.651+/-36.571 χ^2/NDF: 13.3/16

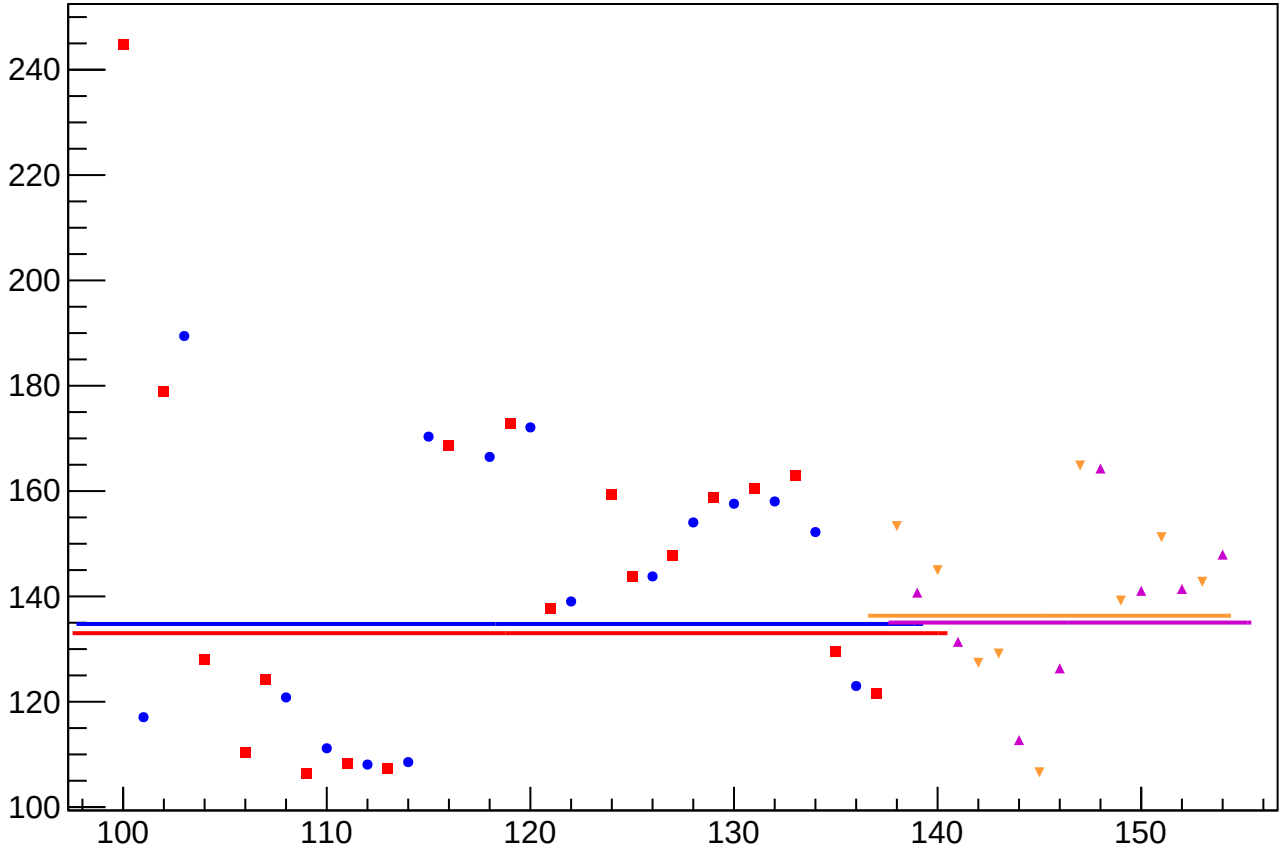
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -25.596+/-36.247 χ^2/NDF:24.1/23

Out: 55.457+/-36.016 χ^2/NDF:26.6/27

All: 15.190+/-25.548 χ^2/NDF: 53.2/51

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 135.031+/-0.036 χ^2/NDF:154987.4/7

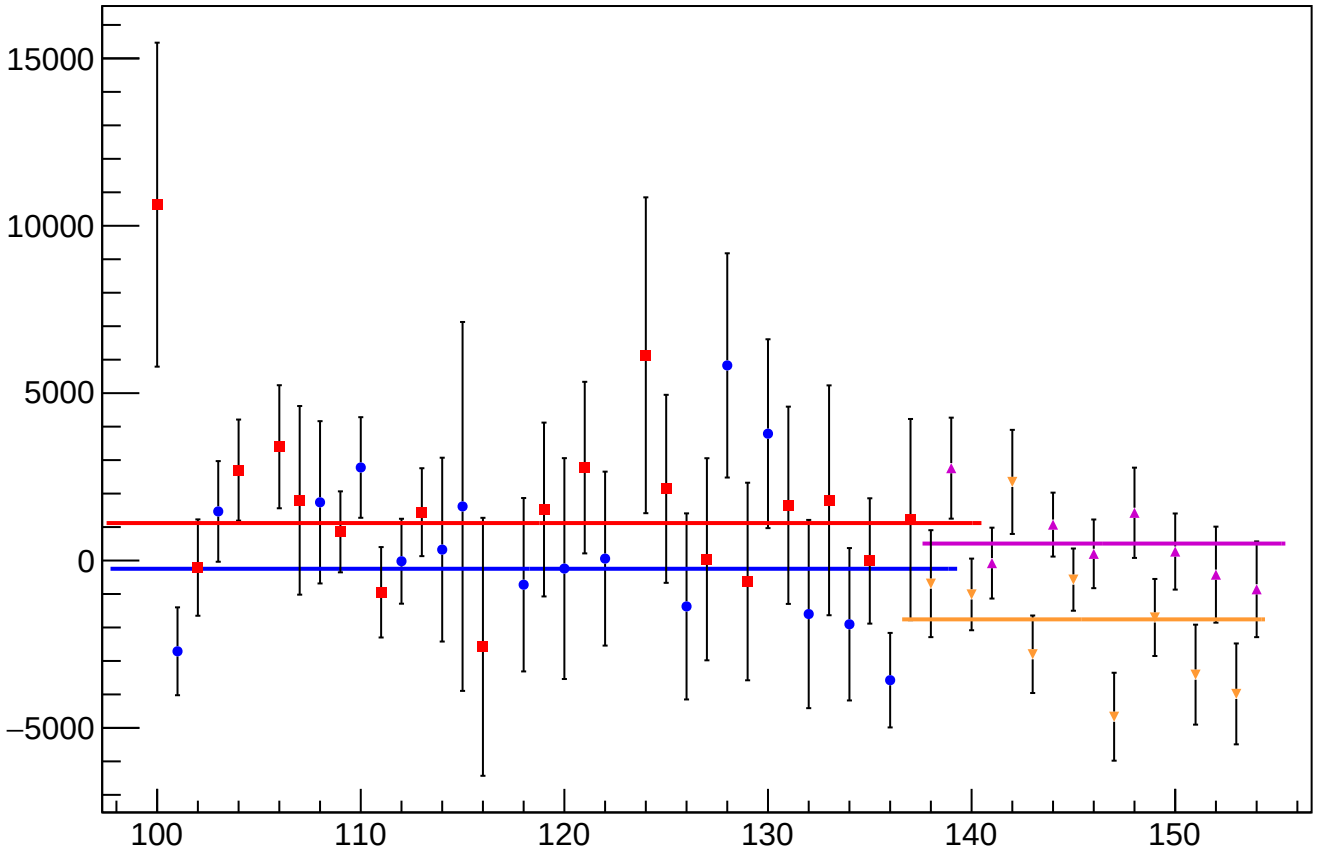
Left: 135.676+/-0.026 χ^2/NDF: 384830.6/16

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 134.900+/-0.026 χ^2/NDF:571791.9/23

Out: 134.609+/-0.025 χ^2/NDF:729155.9/27

All: 134.754+/-0.018 χ^2/NDF: 1301013.0/51



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: 506.760+/-419.696 χ^2/NDF:4.8/7

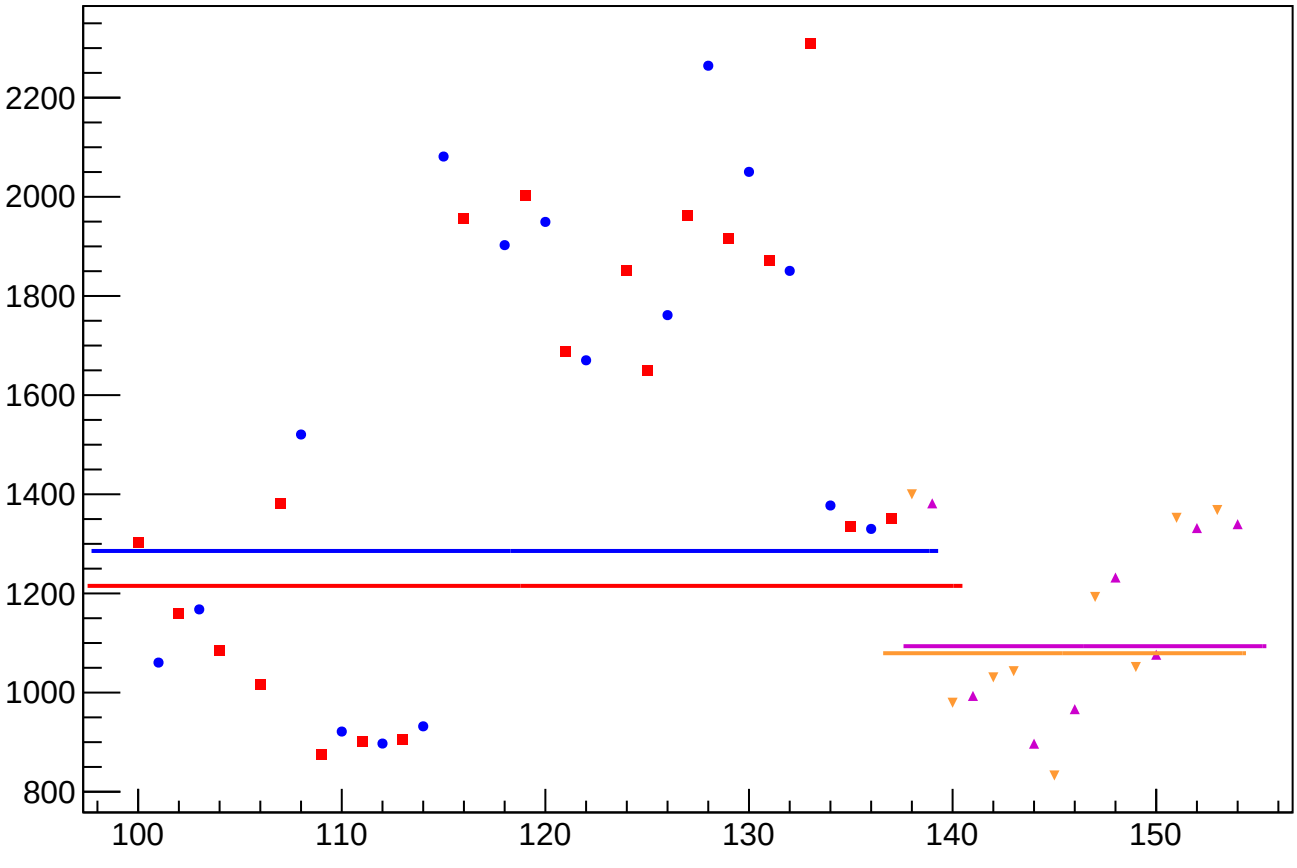
Left: -638.206+/-295.098 χ^2/NDF: 38.2/16

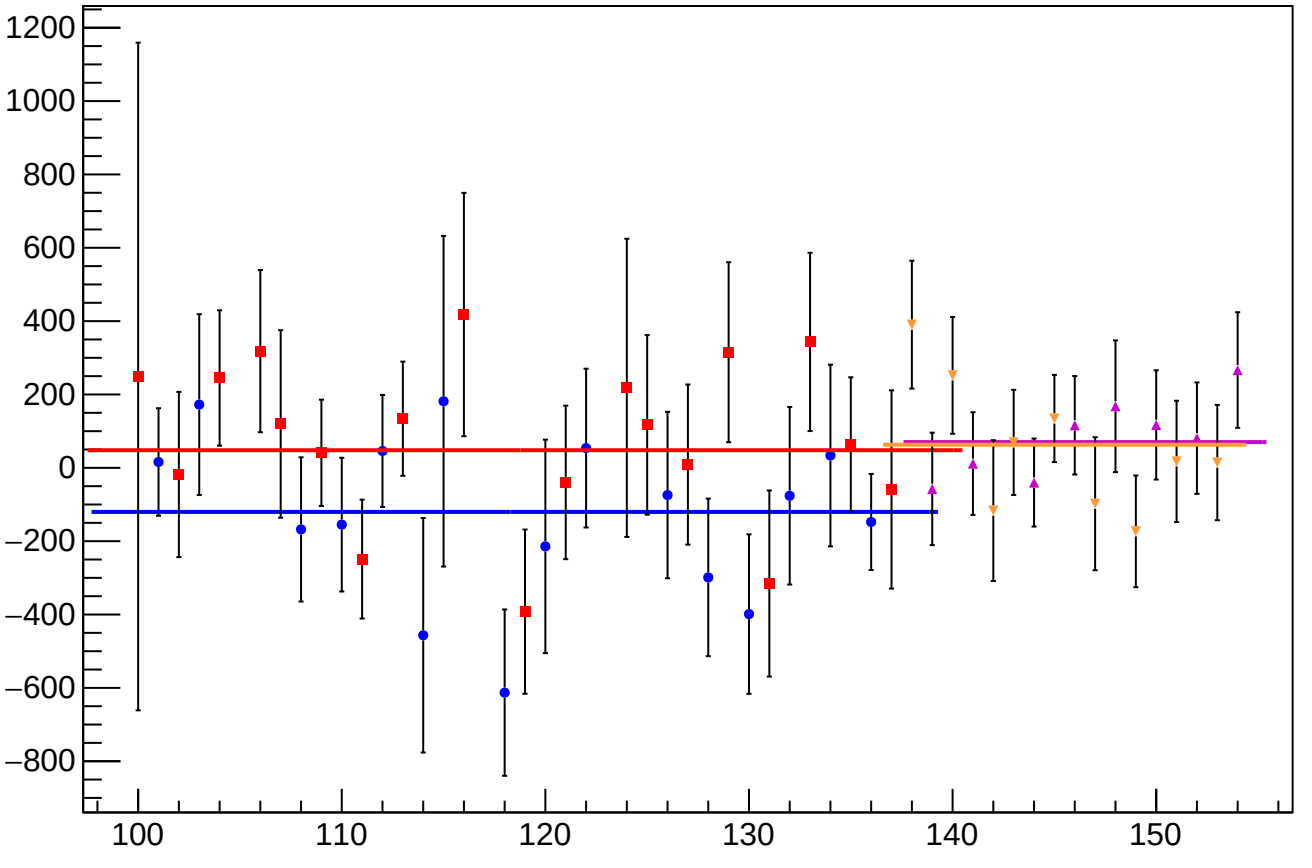
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

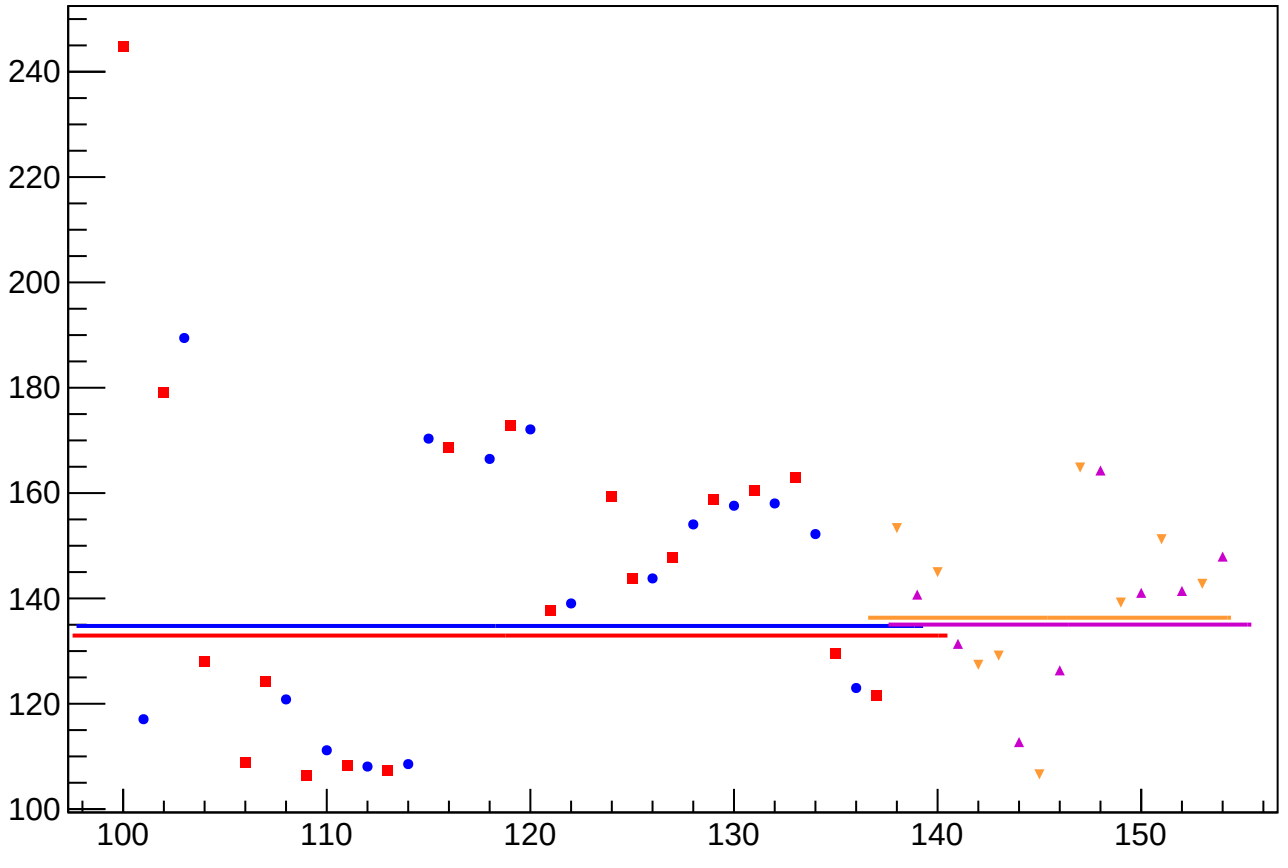
In: 196.493+/-321.834 χ^2/NDF:27.7/23

Out: -492.415+/-310.624 χ^2/NDF:53.2/27

All: -160.169+/-223.502 χ^2/NDF: 83.3/51


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: 1093.579+/-0.297 χ²/NDF:342379.0/7
Left: 1086.414+/-0.209 χ²/NDF: 742609.0/16
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1172.715+/-0.228 χ²/NDF:1685415.4/23
Out: 1139.143+/-0.220 χ²/NDF:1879587.0/27
All: 1155.334+/-0.158 χ²/NDF: 3576269.7/51


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: 70.149+/-51.421 χ²/NDF:3.8/7
Left: 66.658+/-36.571 χ²/NDF: 13.3/16
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -25.601+/-36.247 χ²/NDF:24.1/23
Out: 55.238+/-36.019 χ²/NDF:26.5/27
All: 15.074+/-25.550 χ²/NDF: 53.1/51



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: 135.031+/-0.036 χ^2/NDF:154987.4/7

Left: 135.676+/-0.026 χ^2/NDF: 384830.6/16

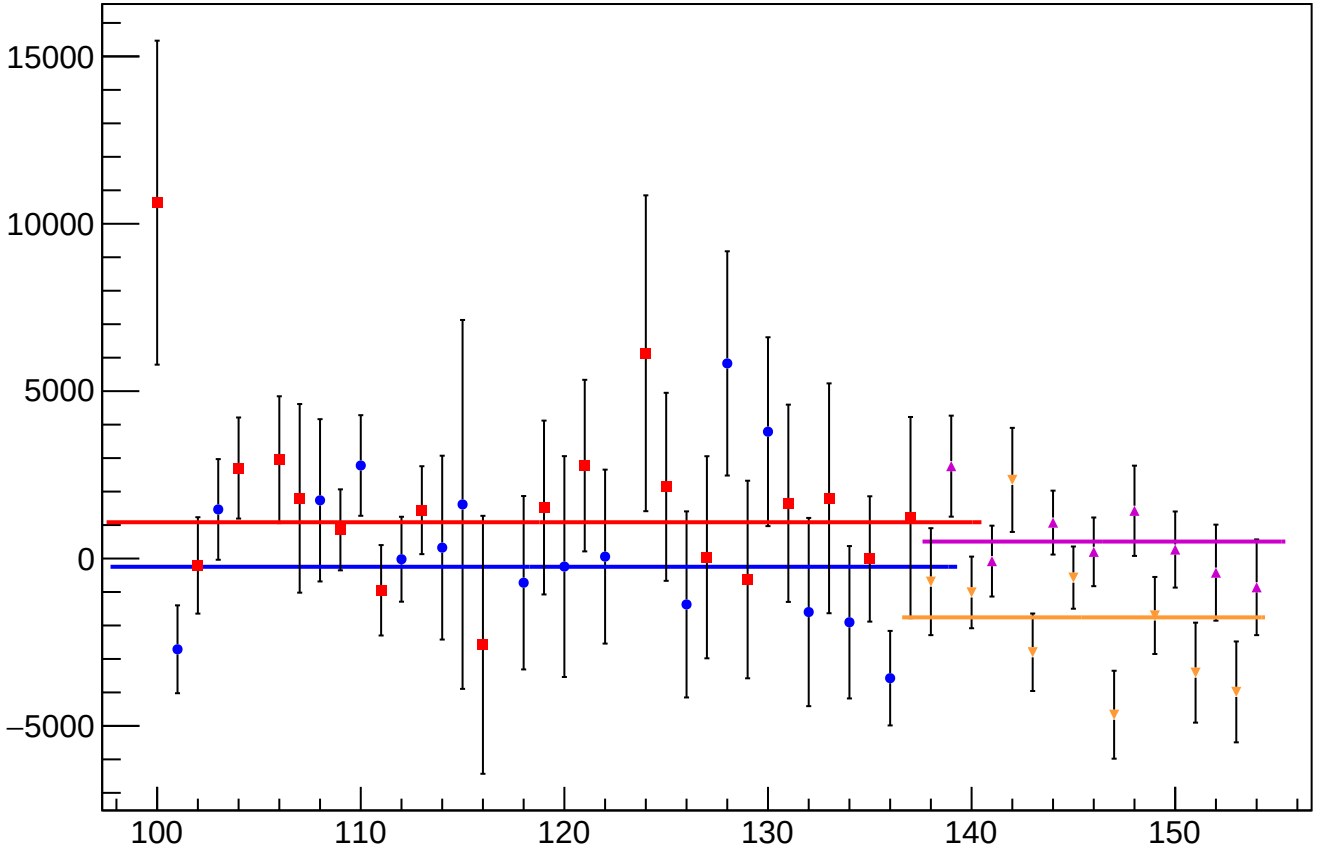
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.901+/-0.026 χ^2/NDF:571795.0/23

Out: 134.571+/-0.025 χ^2/NDF:732475.4/27

All: 134.735+/-0.018 χ^2/NDF: 1304353.4/51

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: 506.769+/-419.697 χ^2/NDF:4.8/7

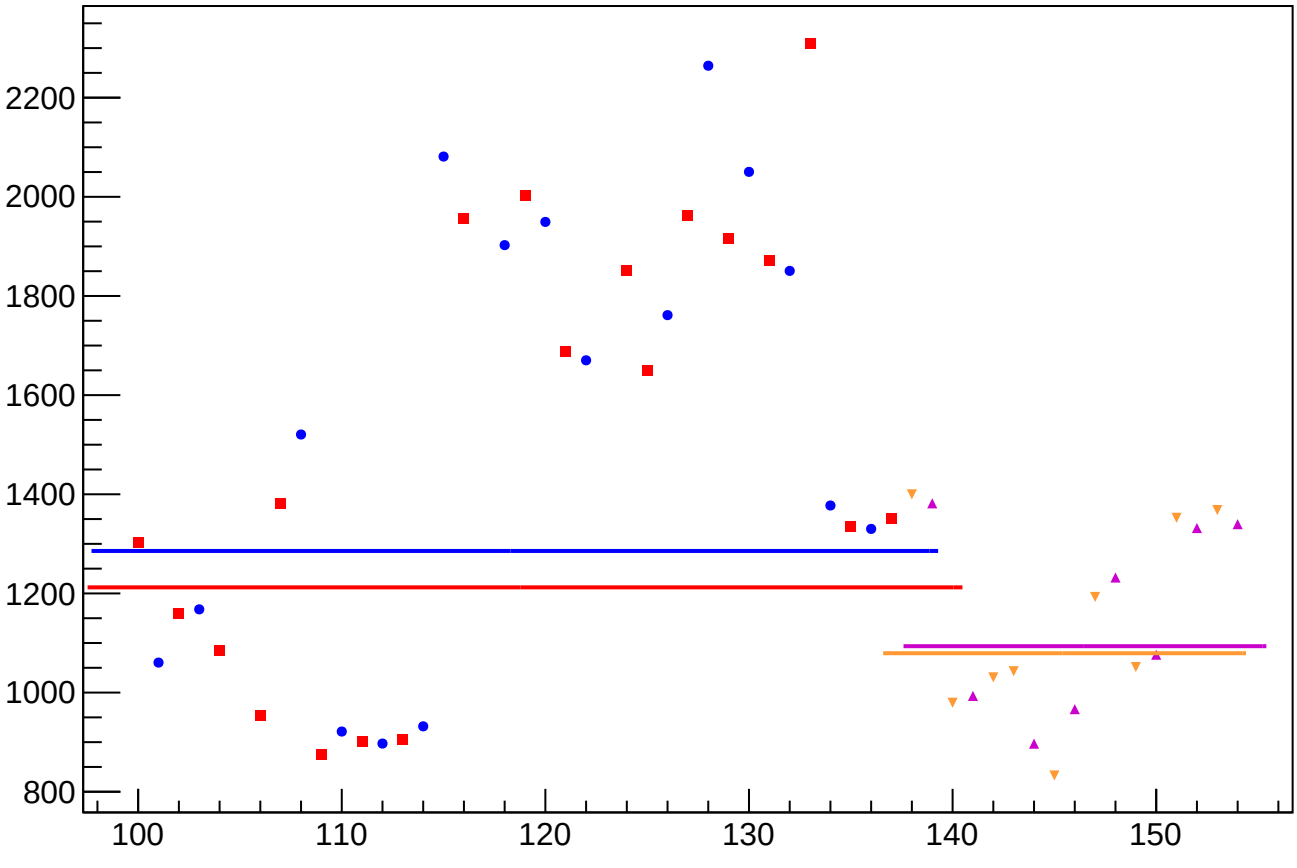
Left: -638.197+/-295.098 χ^2/NDF: 38.2/16

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 196.473+/-321.836 χ^2/NDF:27.7/23

Out: -510.703+/-310.893 χ^2/NDF:52.0/27

All: -169.342+/-223.603 χ^2/NDF: 82.3/51



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1079.408+/-0.293 χ^2/NDF:399079.9/8

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1093.579+/-0.297 χ^2/NDF:342377.4/7

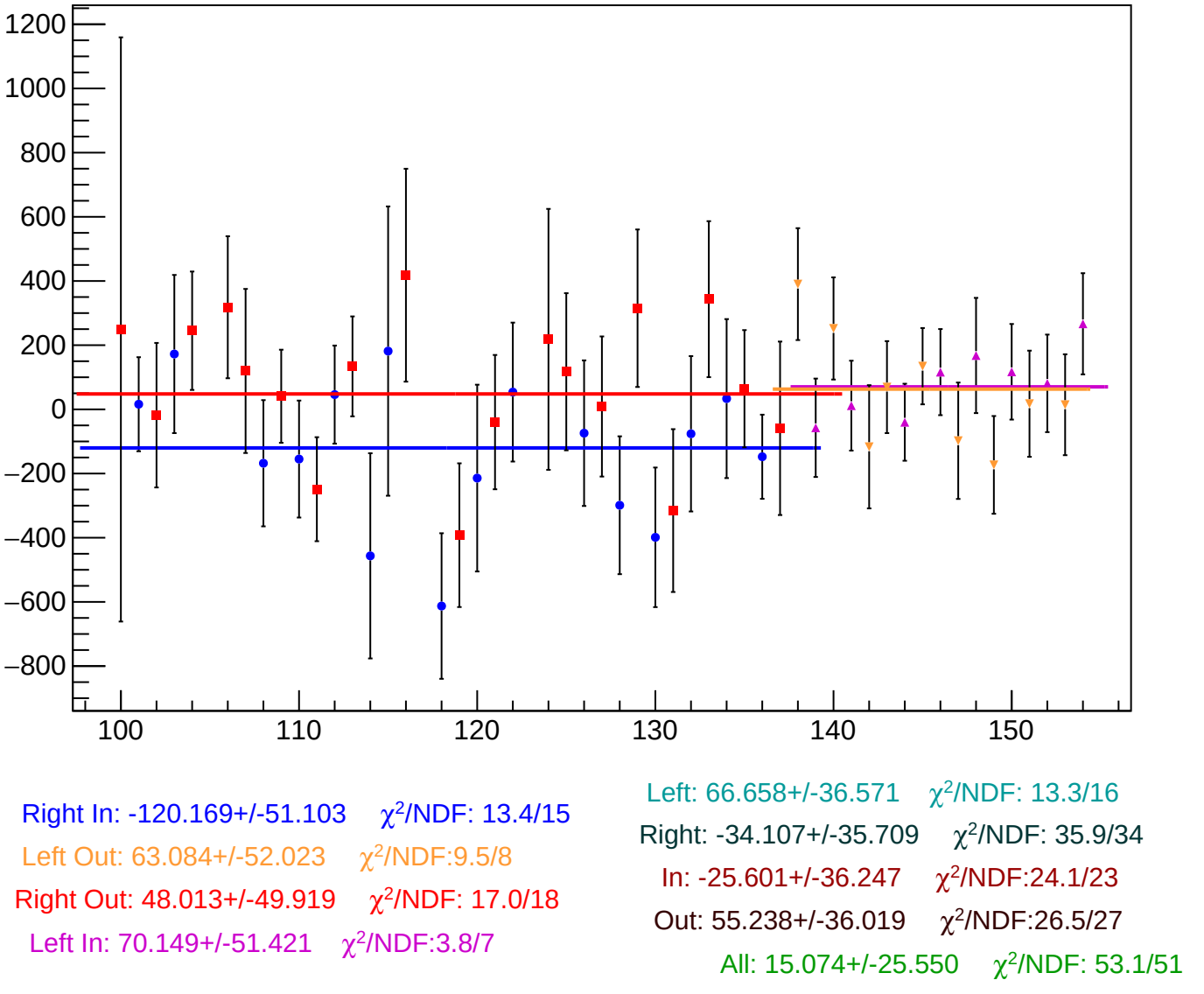
Left: 1086.414+/-0.209 χ^2/NDF: 742610.3/16

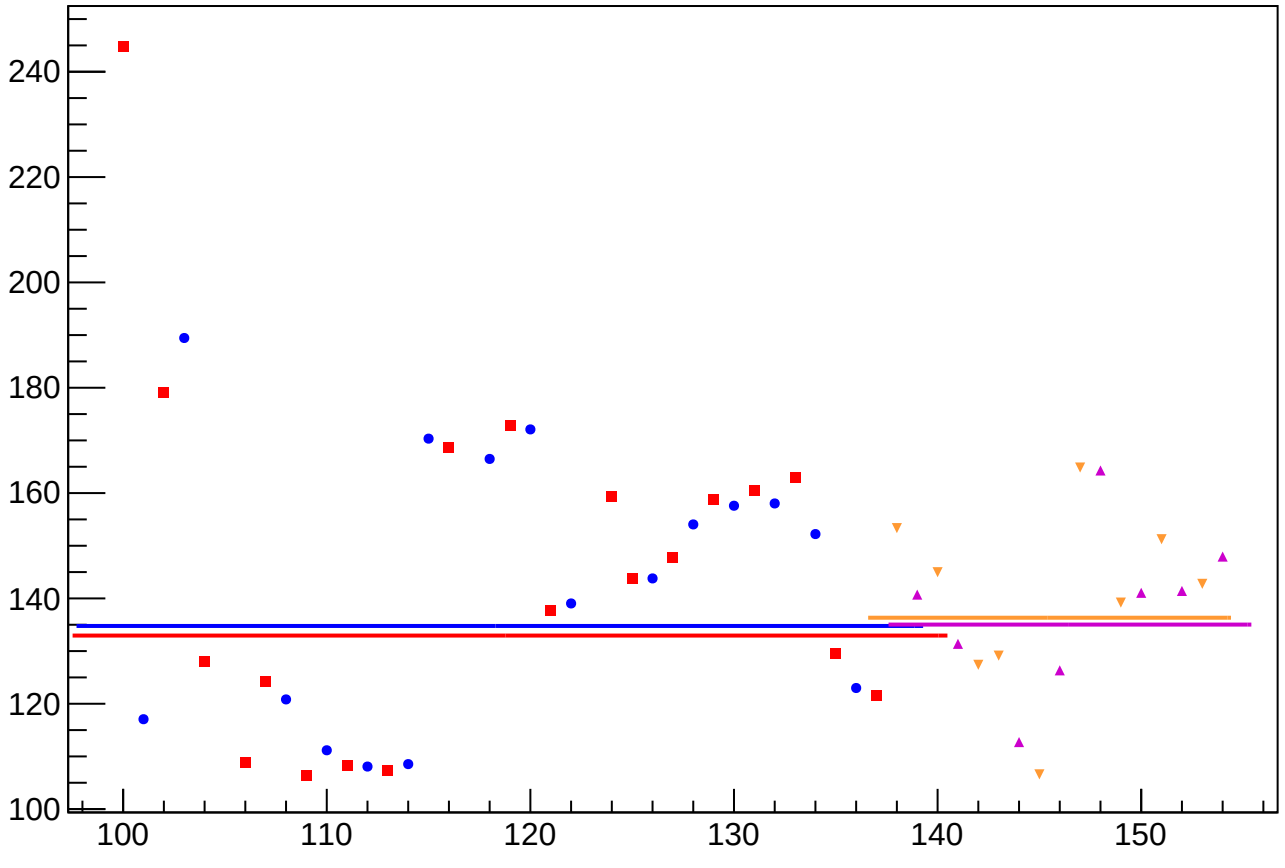
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1172.720+/-0.228 χ^2/NDF:1685410.3/23

Out: 1137.711+/-0.220 χ^2/NDF:1889672.4/27

All: 1154.611+/-0.158 χ^2/NDF: 3587324.7/51


eigen_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: 70.149+/-51.421 χ²/NDF:3.8/7
Left: 66.658+/-36.571 χ²/NDF: 13.3/16
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -25.601+/-36.247 χ²/NDF:24.1/23
Out: 55.238+/-36.019 χ²/NDF:26.5/27
All: 15.074+/-25.550 χ²/NDF: 53.1/51



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: 135.031+/-0.036 χ^2/NDF:154987.4/7

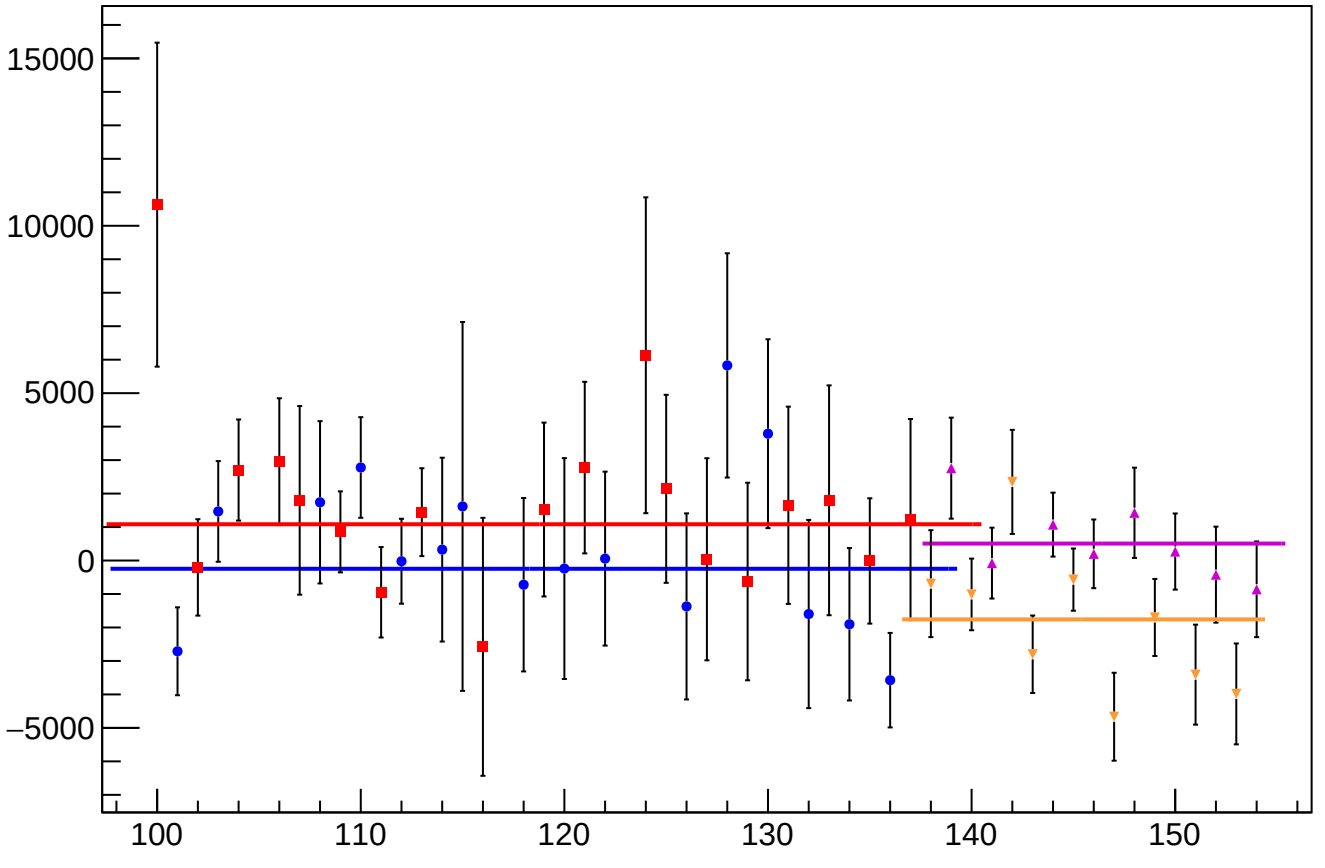
Left: 135.676+/-0.026 χ^2/NDF: 384830.6/16

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.901+/-0.026 χ^2/NDF:571795.0/23

Out: 134.571+/-0.025 χ^2/NDF:732475.4/27

All: 134.735+/-0.018 χ^2/NDF: 1304353.4/51



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: 506.769+/-419.697 χ^2/NDF:4.8/7

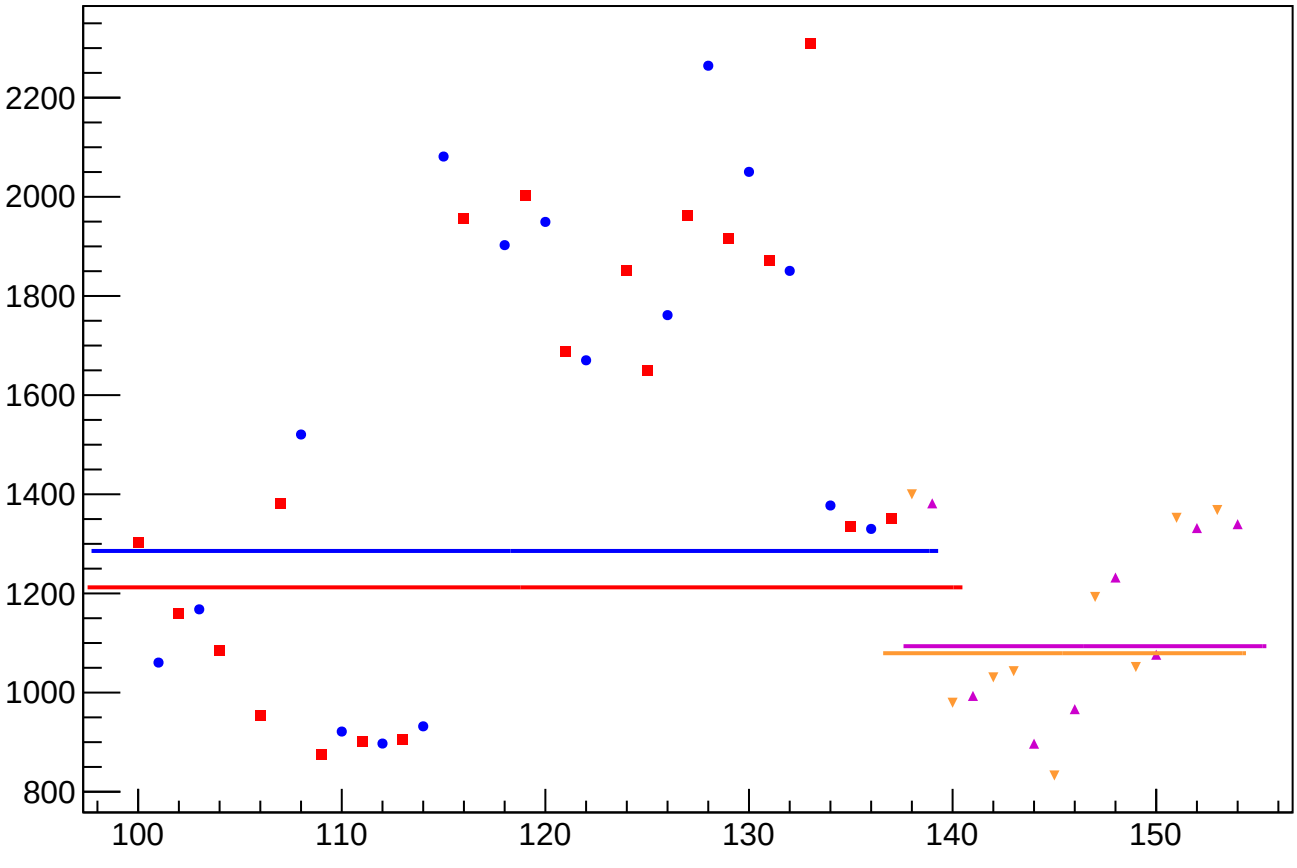
Left: -638.197+/-295.098 χ^2/NDF: 38.2/16

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 196.473+/-321.836 χ^2/NDF:27.7/23

Out: -510.703+/-310.893 χ^2/NDF:52.0/27

All: -169.342+/-223.603 χ^2/NDF: 82.3/51



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1079.408+/-0.293 χ^2/NDF:399079.9/8

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1093.579+/-0.297 χ^2/NDF:342377.4/7

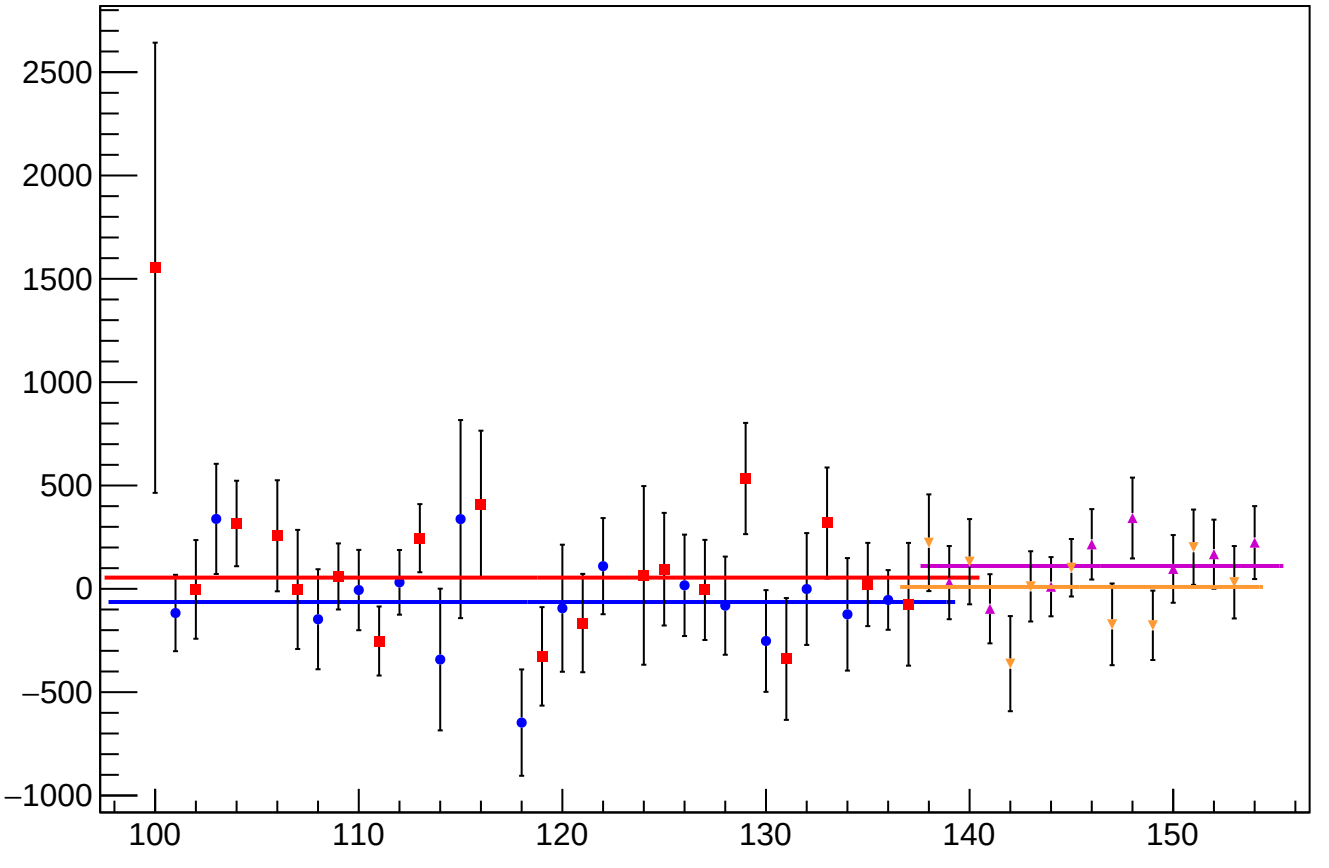
Left: 1086.414+/-0.209 χ^2/NDF: 742610.3/16

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1172.720+/-0.228 χ^2/NDF:1685410.3/23

Out: 1137.711+/-0.220 χ^2/NDF:1889672.4/27

All: 1154.611+/-0.158 χ^2/NDF: 3587324.7/51



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: 110.523+/-59.527 χ^2/NDF:4.6/7

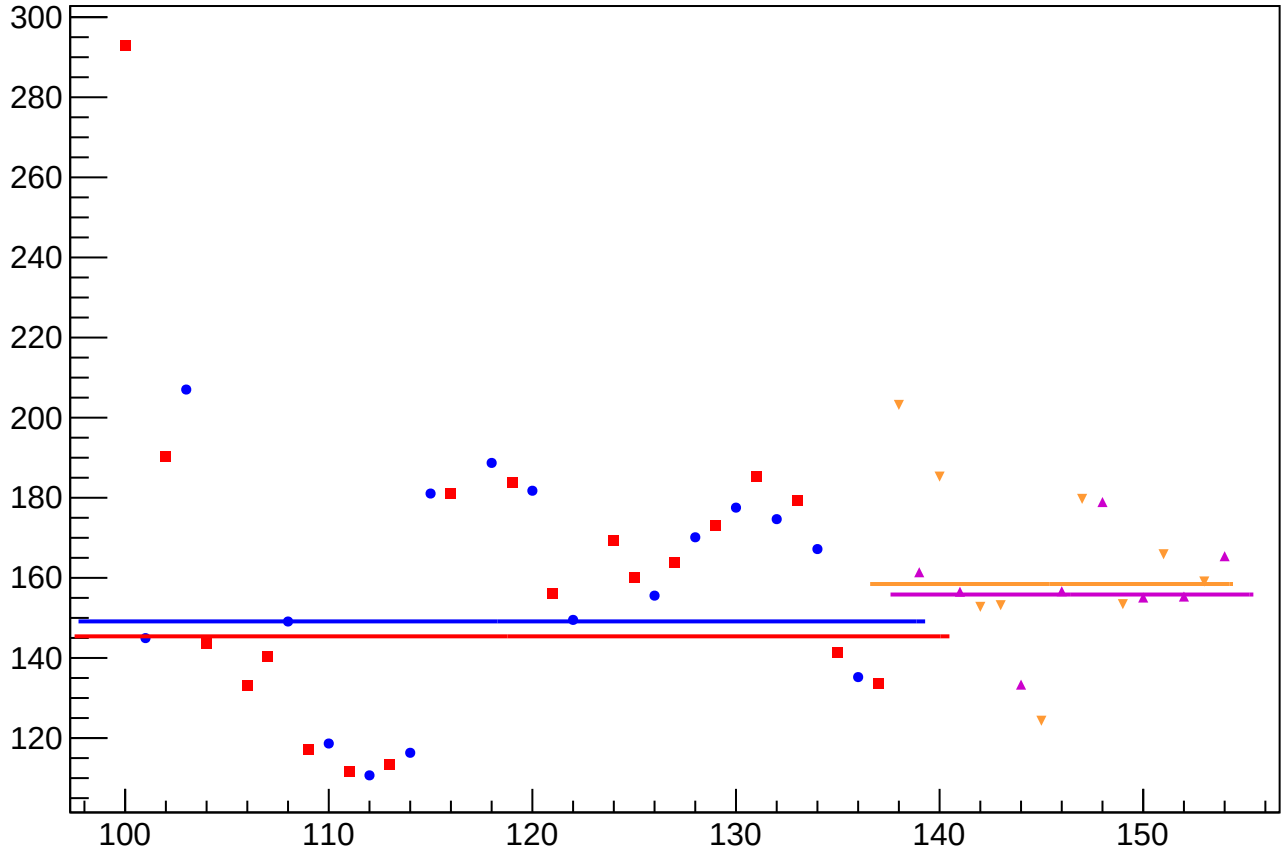
Left: 60.852+/-42.525 χ^2/NDF: 13.4/16

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 19.185+/-41.069 χ^2/NDF:19.9/23

Out: 34.048+/-40.674 χ^2/NDF:27.2/27

All: 26.688+/-28.899 χ^2/NDF: 47.2/51



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: 155.839+/-0.042 χ^2/NDF:85201.0/7

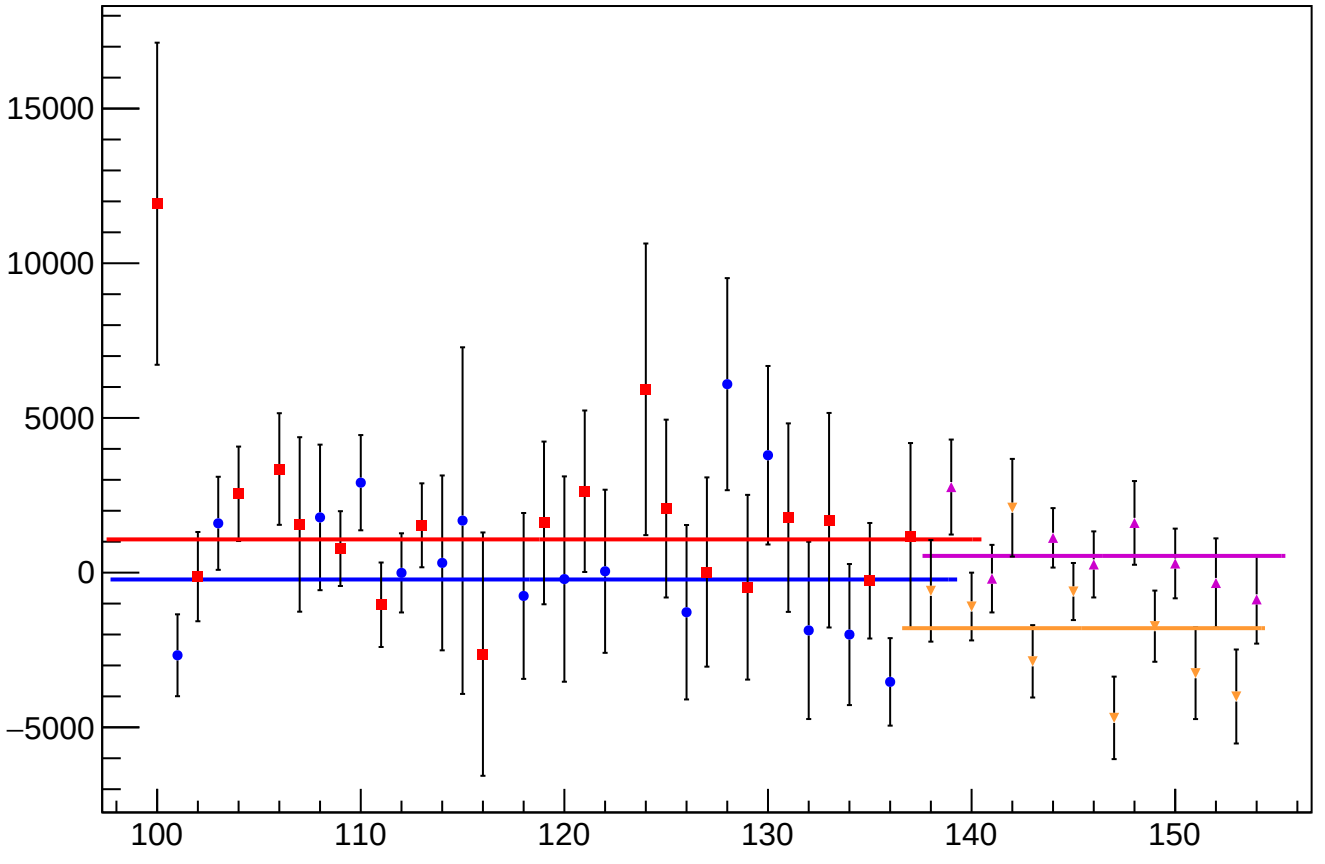
Left: 157.126+/-0.030 χ^2/NDF: 345932.2/16

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 152.324+/-0.029 χ^2/NDF:549516.8/23

Out: 151.253+/-0.029 χ^2/NDF:835699.2/27

All: 151.783+/-0.020 χ^2/NDF: 1385901.9/51



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: 541.063+/-425.410 χ^2/NDF:5.0/7

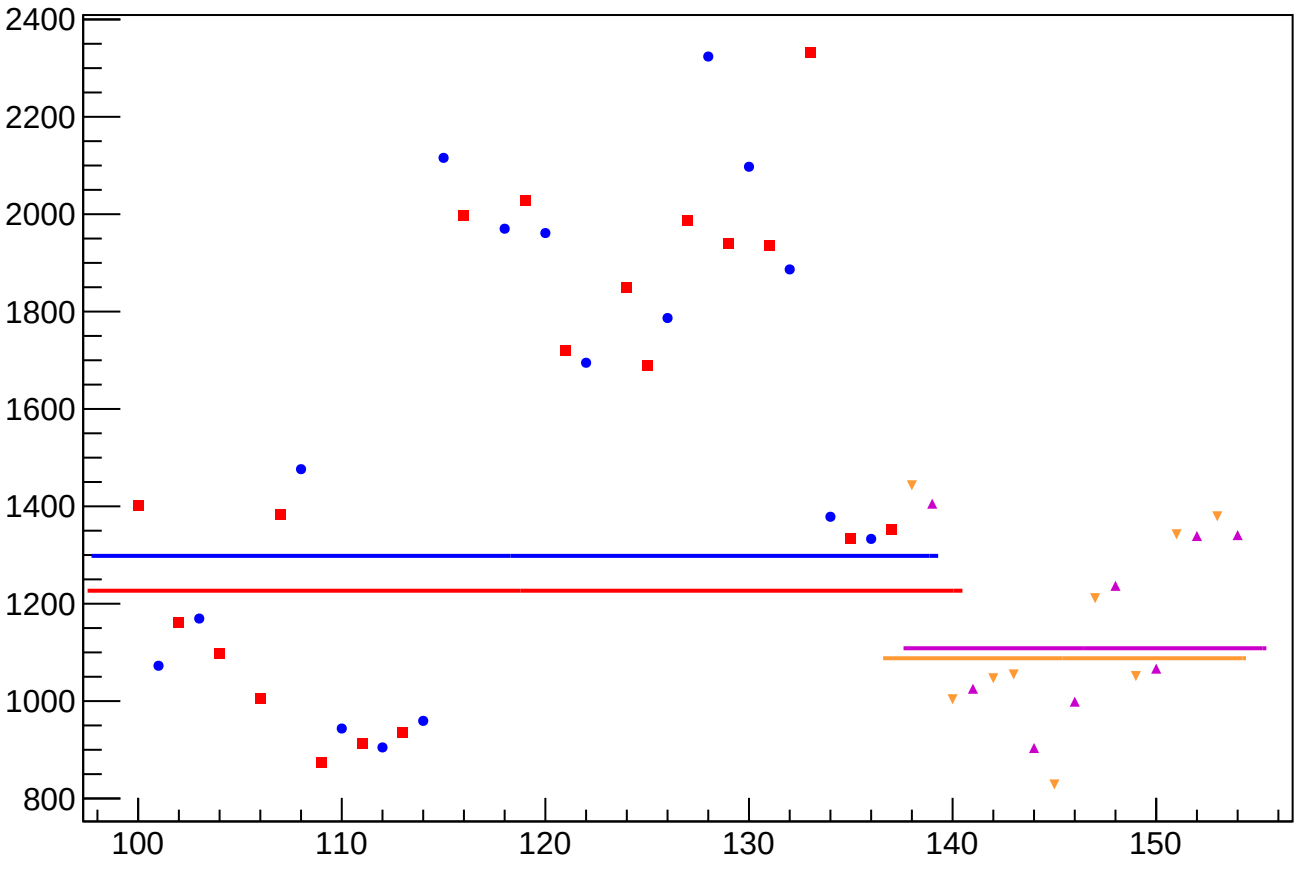
Left: -647.090+/-298.221 χ^2/NDF: 37.7/16

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 225.527+/-325.675 χ^2/NDF:28.2/23

Out: -535.690+/-313.242 χ^2/NDF:51.6/27

All: -169.889+/-225.763 χ^2/NDF: 82.6/51



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1088.004+/-0.296 χ^2/NDF:418004.5/8

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1108.541+/-0.301 χ^2/NDF:322985.2/7

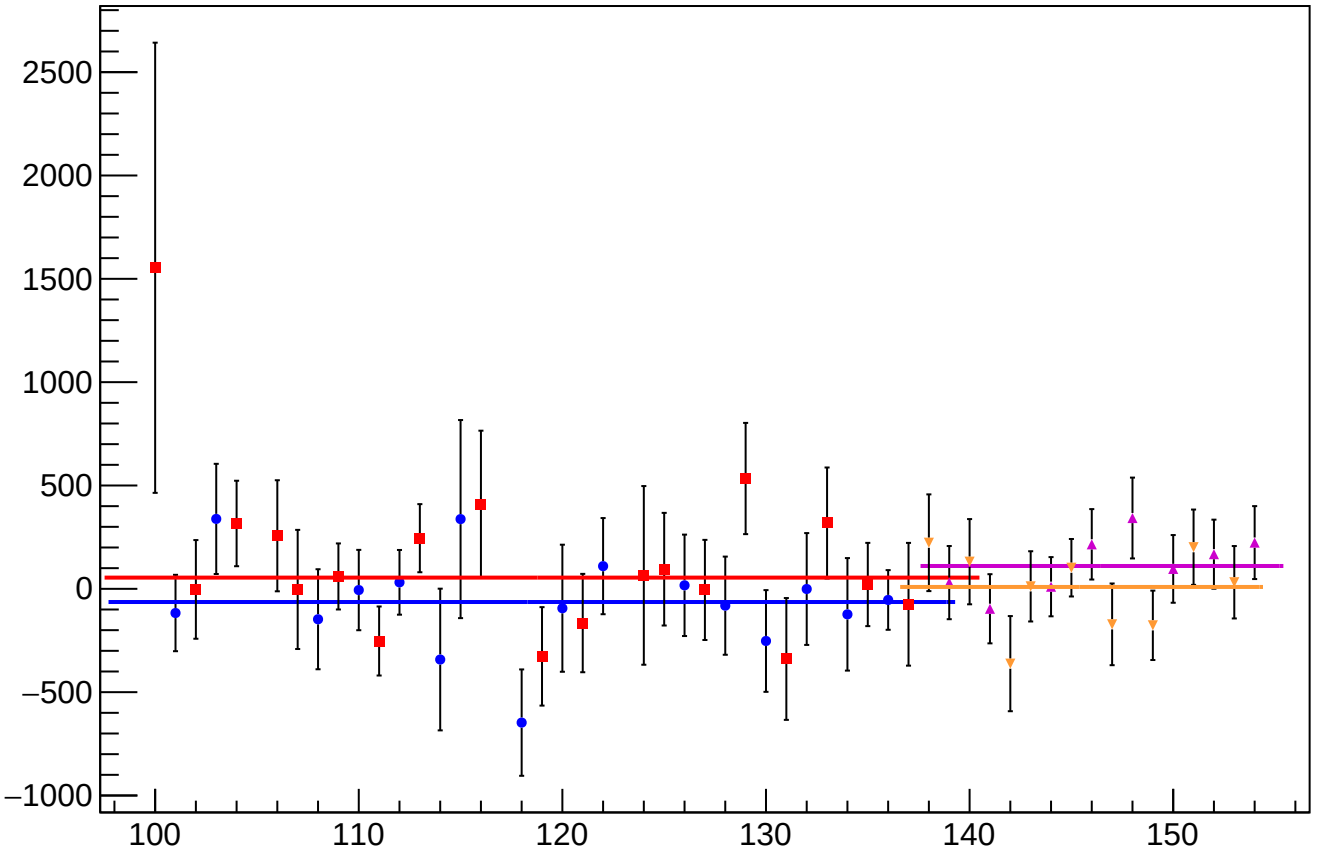
Left: 1098.096+/-0.211 χ^2/NDF: 743360.2/16

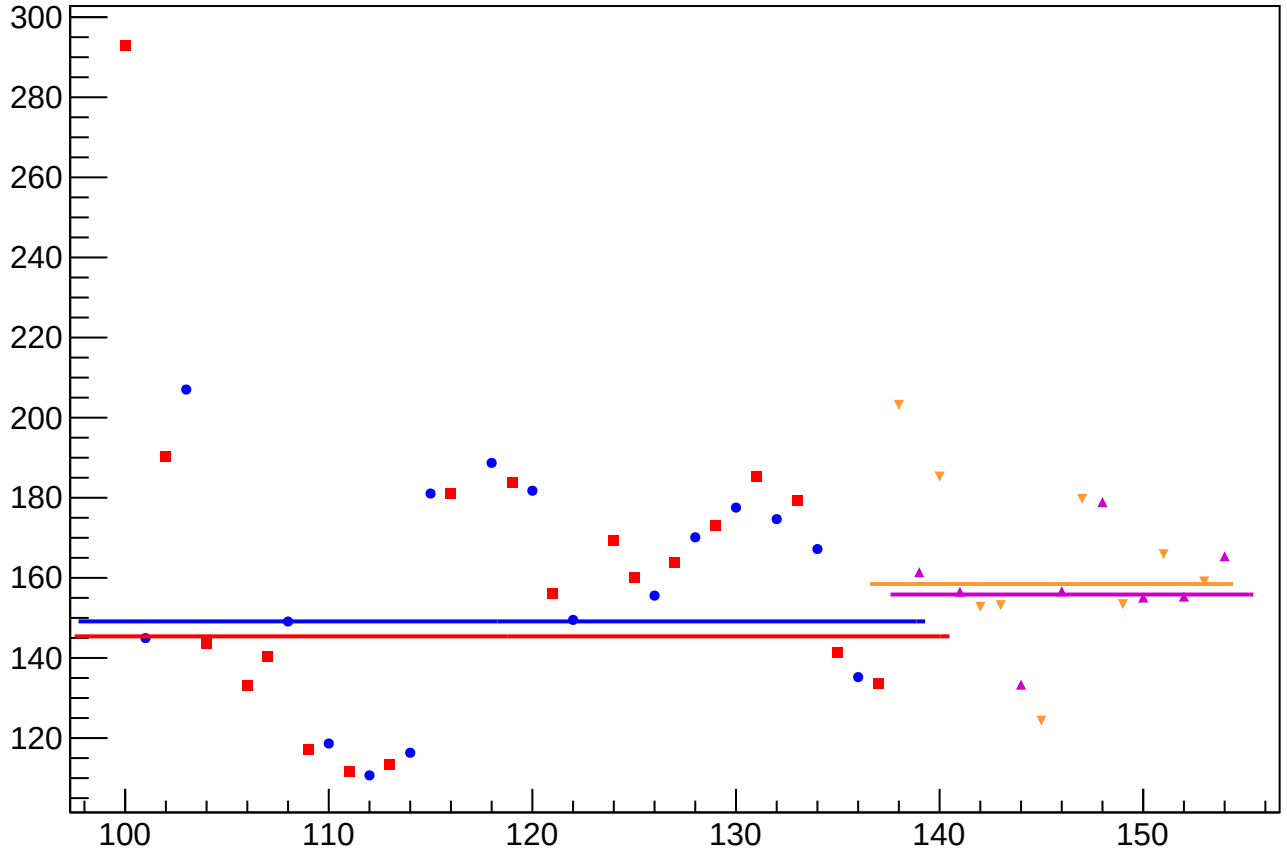
Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1187.084+/-0.230 χ^2/NDF:1669813.8/23

Out: 1148.891+/-0.221 χ^2/NDF:1919128.1/27

All: 1167.245+/-0.160 χ^2/NDF: 3603229.9/51


eigen_dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -63.778+/-56.734 χ²/NDF: 10.8/15
Left Out: 9.086+/-60.771 χ²/NDF:7.4/8
Right Out: 54.304+/-54.743 χ²/NDF: 19.5/18
Left In: 110.524+/-59.527 χ²/NDF:4.6/7
Left: 60.853+/-42.525 χ²/NDF: 13.4/16
Right: -2.629+/-39.394 χ²/NDF: 32.6/34
In: 19.187+/-41.069 χ²/NDF:19.9/23
Out: 34.048+/-40.674 χ²/NDF:27.2/27
All: 26.689+/-28.899 χ²/NDF: 47.2/51



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: 155.840+/-0.042 χ^2/NDF:85199.5/7

Left: 157.127+/-0.030 χ^2/NDF: 345924.6/16

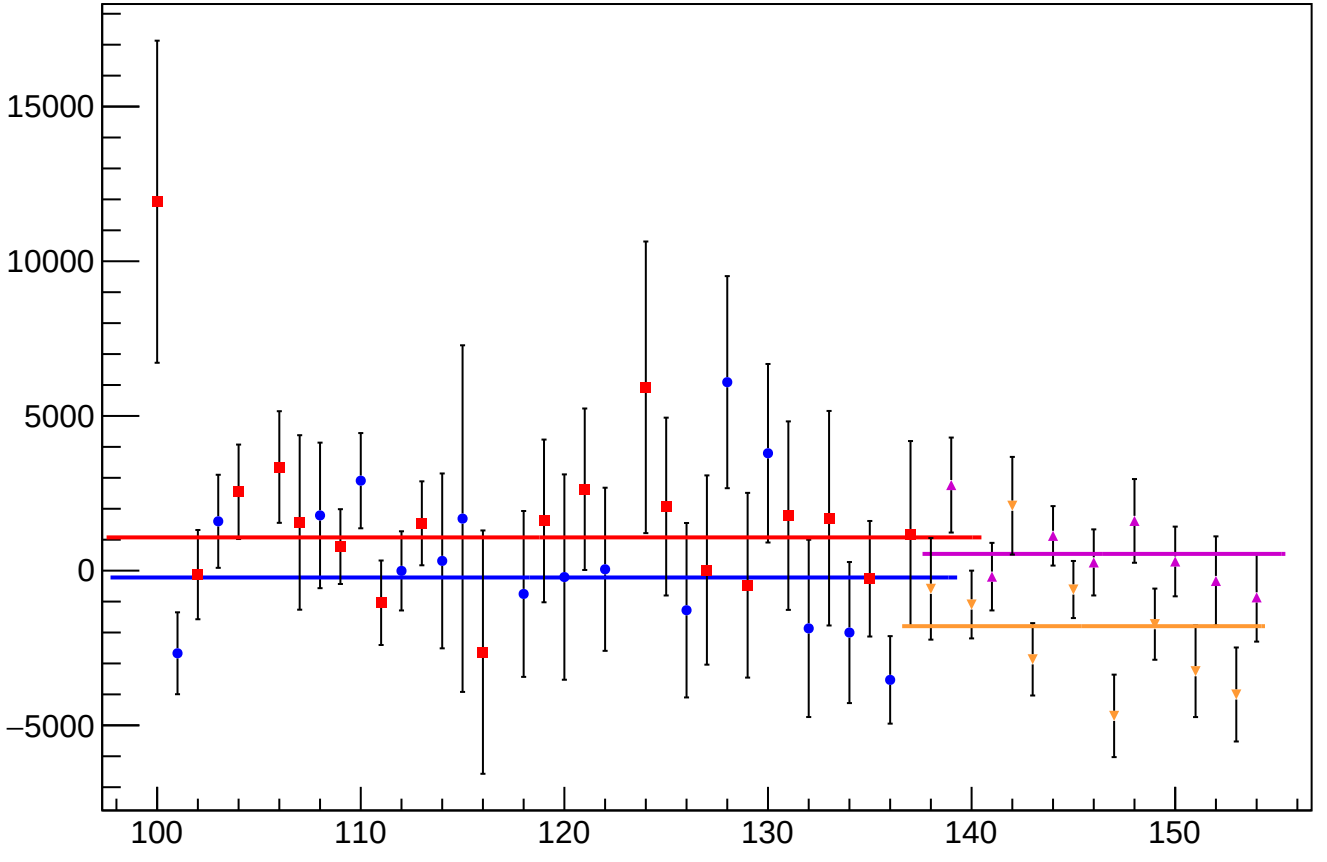
Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 152.324+/-0.029 χ^2/NDF:549518.4/23

Out: 151.253+/-0.029 χ^2/NDF:835698.7/27

All: 151.783+/-0.020 χ^2/NDF: 1385903.0/51

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1795.195+/-418.179 χ^2/NDF:17.3/8

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 541.063+/-425.410 χ^2/NDF:5.0/7

Left: -647.089+/-298.221 χ^2/NDF: 37.7/16

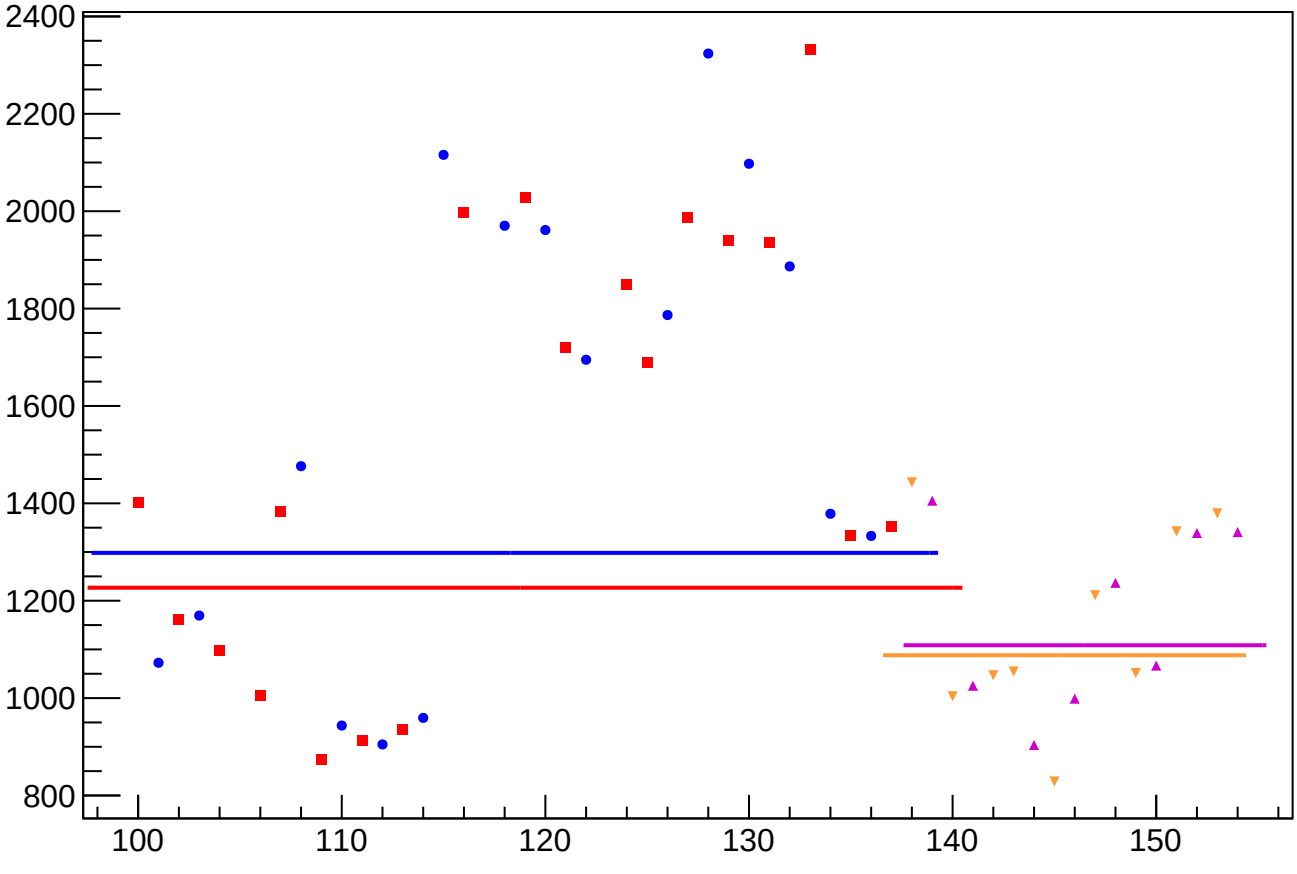
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 225.527+/-325.675 χ^2/NDF:28.2/23

Out: -535.690+/-313.241 χ^2/NDF:51.6/27

All: -169.889+/-225.763 χ^2/NDF: 82.6/51

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: 1108.540+/-0.301 χ^2/NDF:322984.2/7

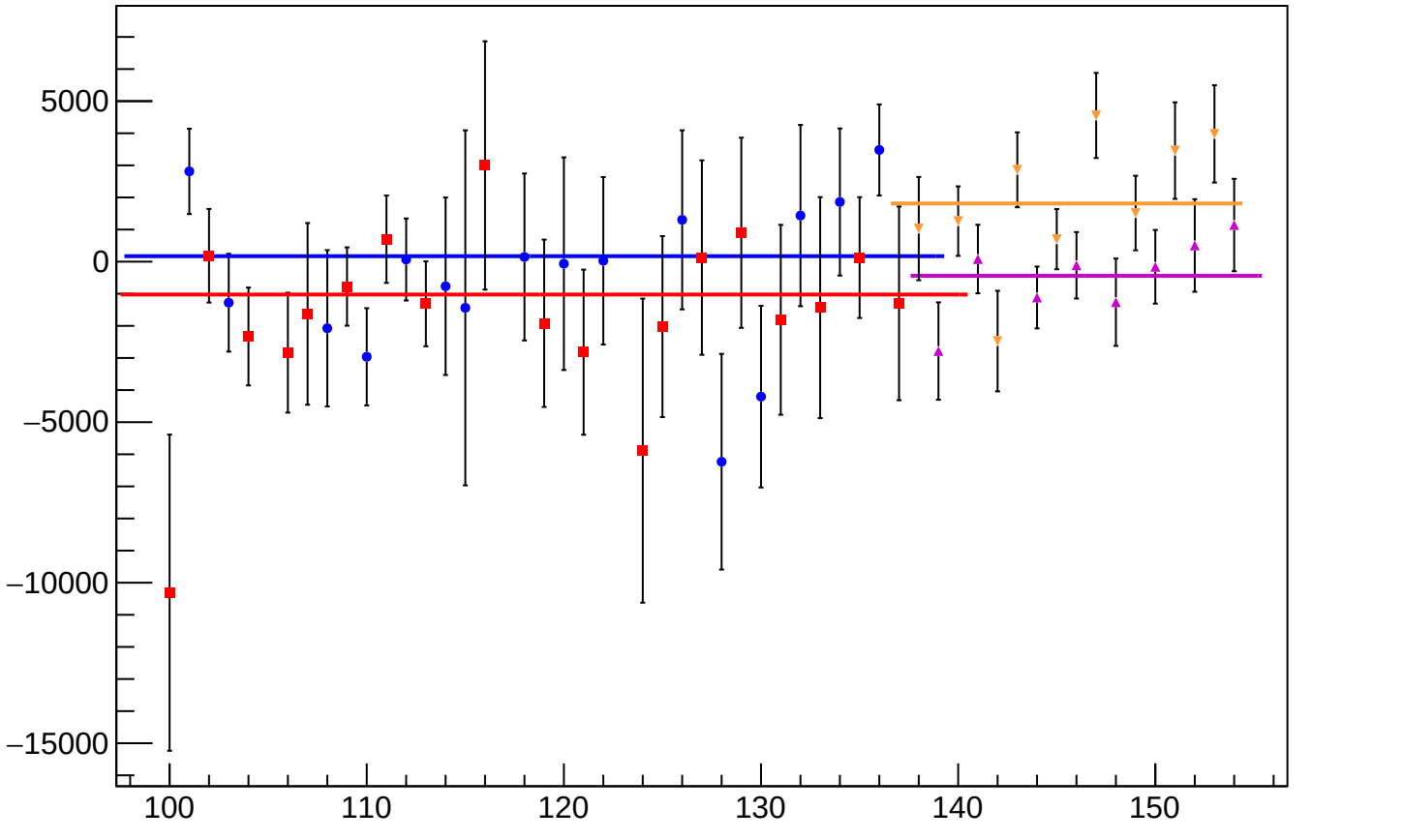
Left: 1098.095+/-0.211 χ^2/NDF: 743362.1/16

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1187.083+/-0.230 χ^2/NDF:1669816.3/23

Out: 1148.890+/-0.221 χ^2/NDF:1919134.1/27

All: 1167.244+/-0.160 χ^2/NDF: 3603238.8/51



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: -439.712+/-423.009 χ^2/NDF:5.3/7

Left: 698.490+/-297.492 χ^2/NDF: 37.4/16

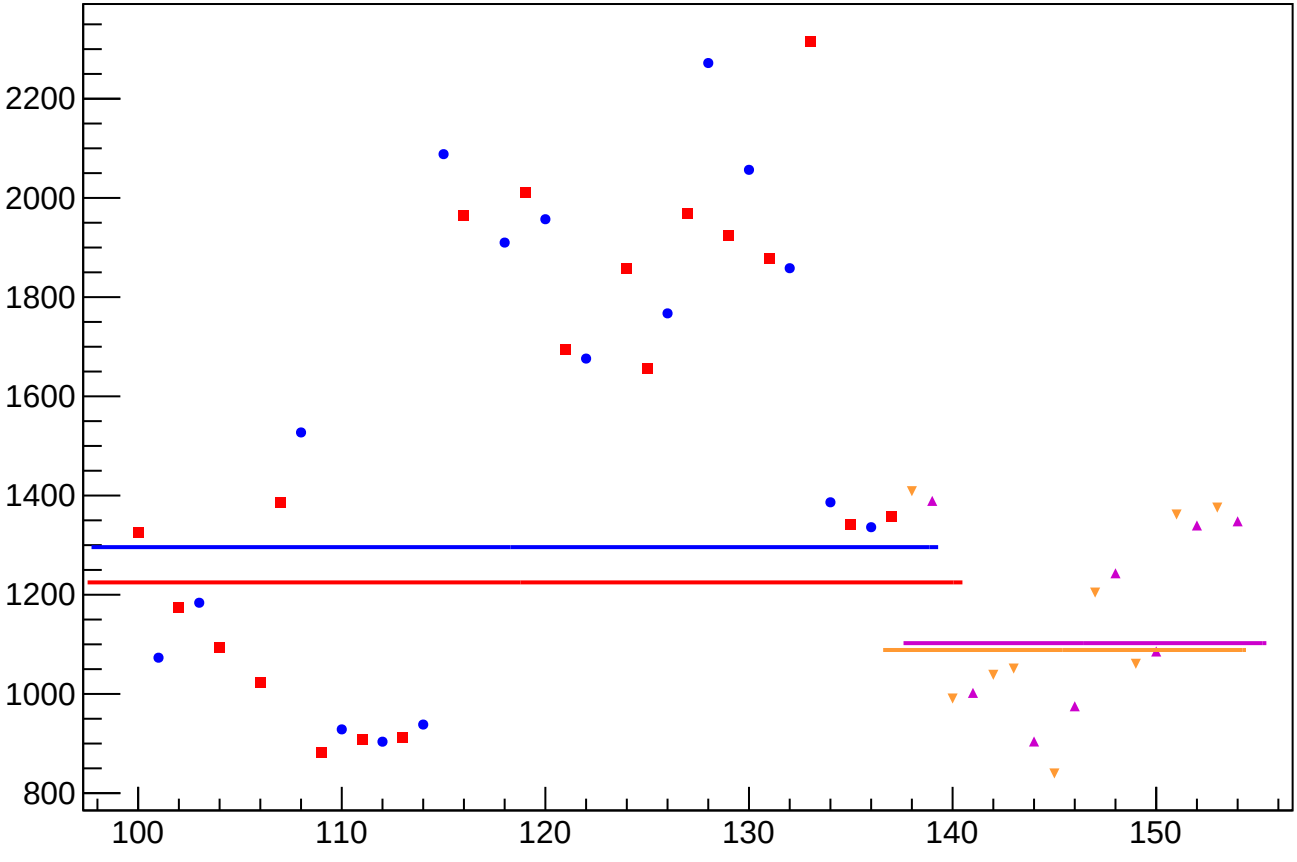
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -187.952+/-324.312 χ^2/NDF:28.7/23

Out: 564.253+/-313.125 χ^2/NDF:49.6/27

All: 201.348+/-225.264 χ^2/NDF: 81.1/51

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: 1102.420+/-0.299 χ^2/NDF:338477.5/7

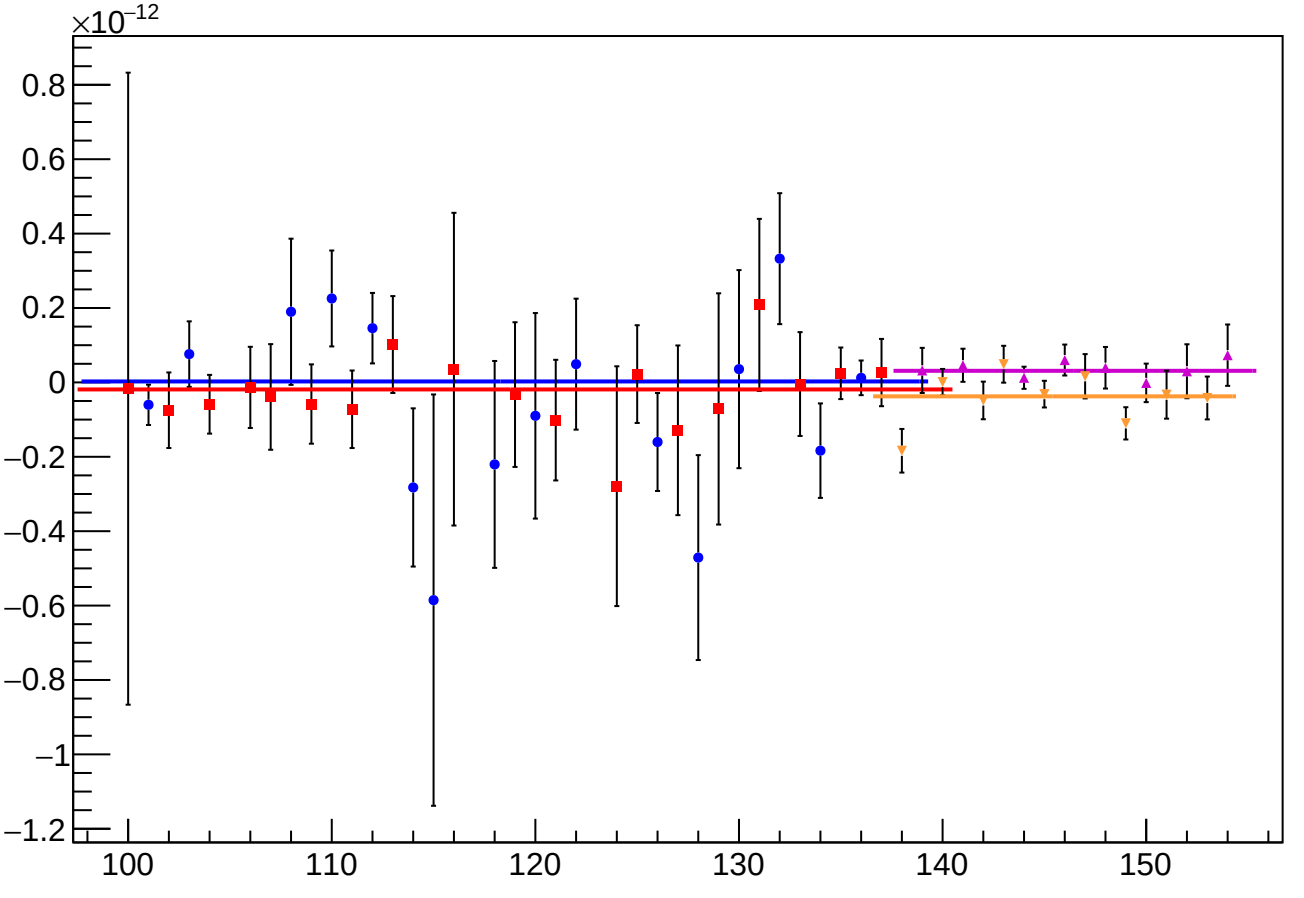
Left: 1095.444+/-0.210 χ^2/NDF: 734669.2/16

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1182.209+/-0.229 χ^2/NDF:1665287.7/23

Out: 1148.580+/-0.221 χ^2/NDF:1859717.1/27

All: 1164.805+/-0.159 χ^2/NDF: 3536134.1/51



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:1.7/7

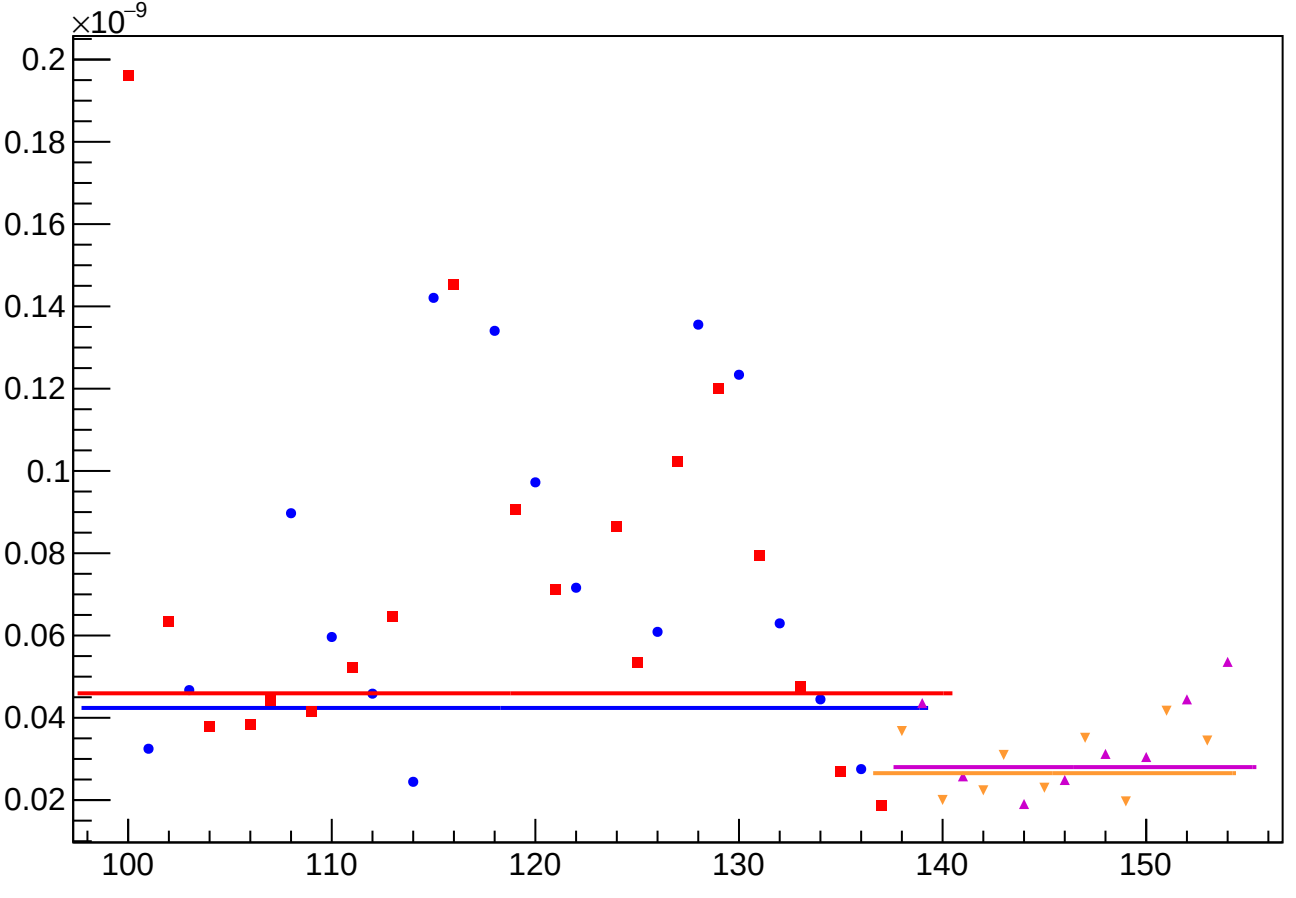
Left: -0.000+/-0.000 χ^2/NDF: 24.6/16

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:24.7/23

Out: -0.000+/-0.000 χ^2/NDF:19.2/27

All: -0.000+/-0.000 χ^2/NDF: 51.9/51



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:636204.1/7

Left: 0.000+/-0.000 χ^2/NDF: 1062834.8/16

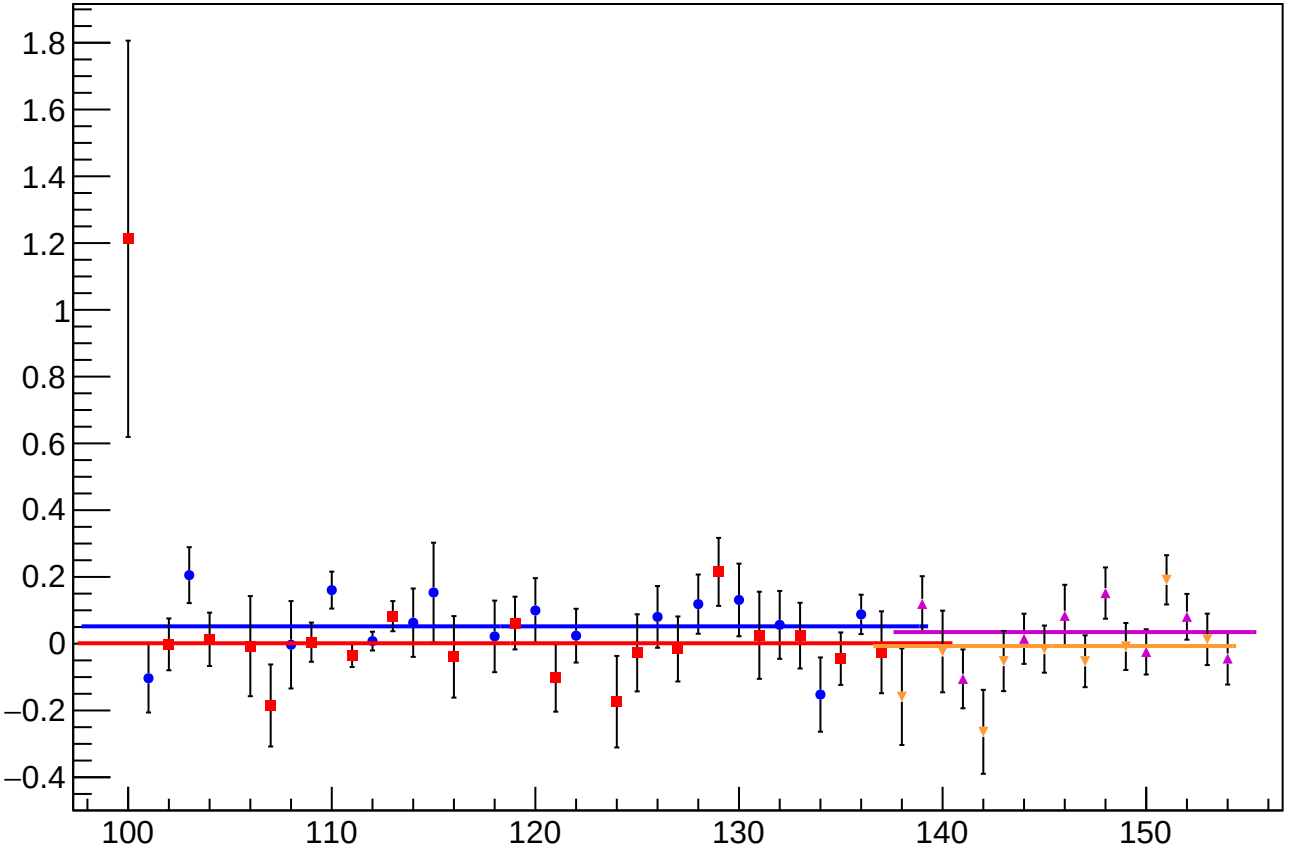
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2389161.4/23

Out: 0.000+/-0.000 χ^2/NDF:2233082.3/27

All: 0.000+/-0.000 χ^2/NDF: 4628289.1/51

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: 0.035+/-0.027 χ^2/NDF:8.5/7

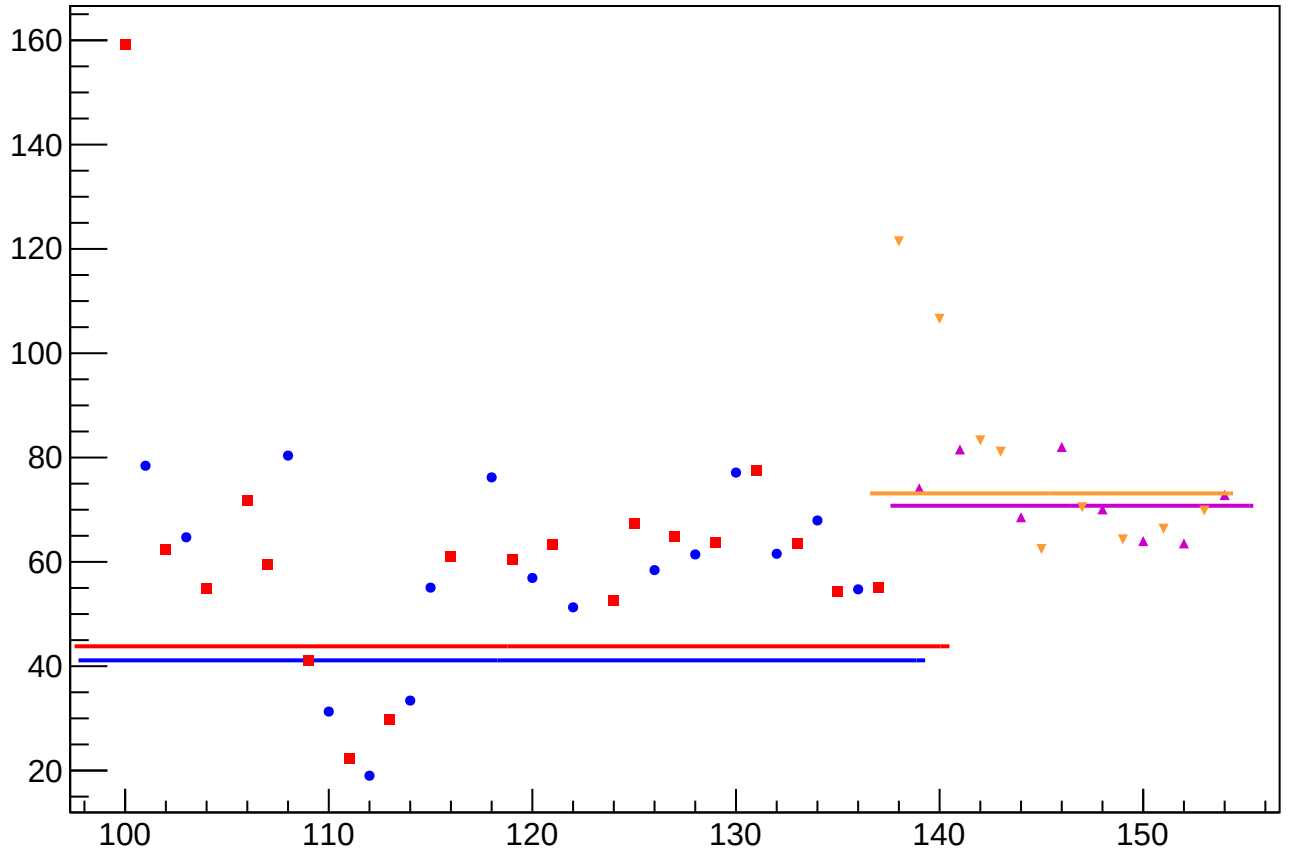
Left: 0.015+/-0.020 χ^2/NDF: 22.8/16

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.015 χ^2/NDF:26.7/23

Out: -0.001+/-0.015 χ^2/NDF:32.5/27

All: 0.023+/-0.011 χ^2/NDF: 64.3/51



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: 70.762+/-0.019 χ^2/NDF:108009.4/7

Left: 71.897+/-0.014 χ^2/NDF: 616737.0/16

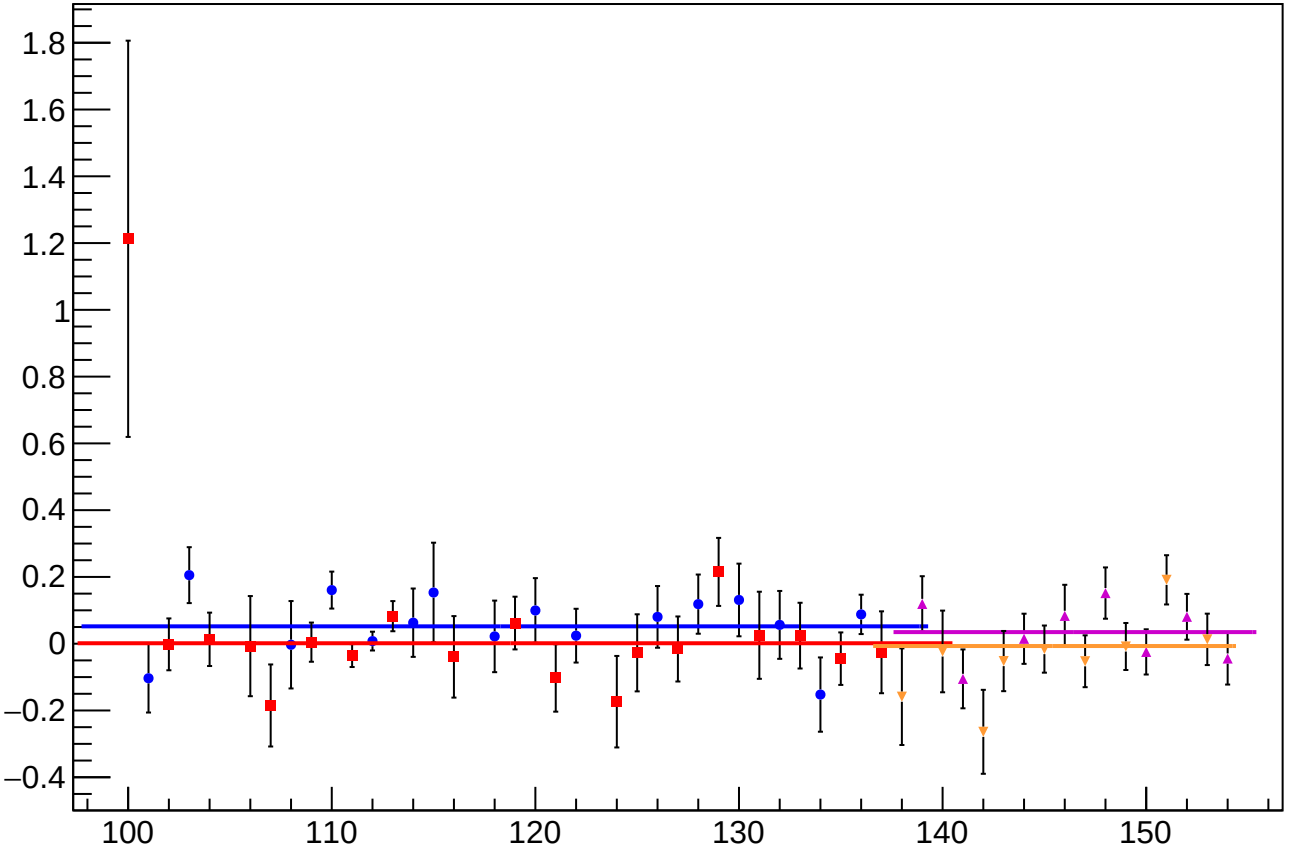
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 49.894+/-0.011 χ^2/NDF:4680222.1/23

Out: 52.080+/-0.011 χ^2/NDF:4058380.3/27

All: 50.967+/-0.008 χ^2/NDF: 8759696.1/51

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: 0.035+/-0.027 χ^2/NDF:8.5/7

Left: 0.015+/-0.020 χ^2/NDF: 22.8/16

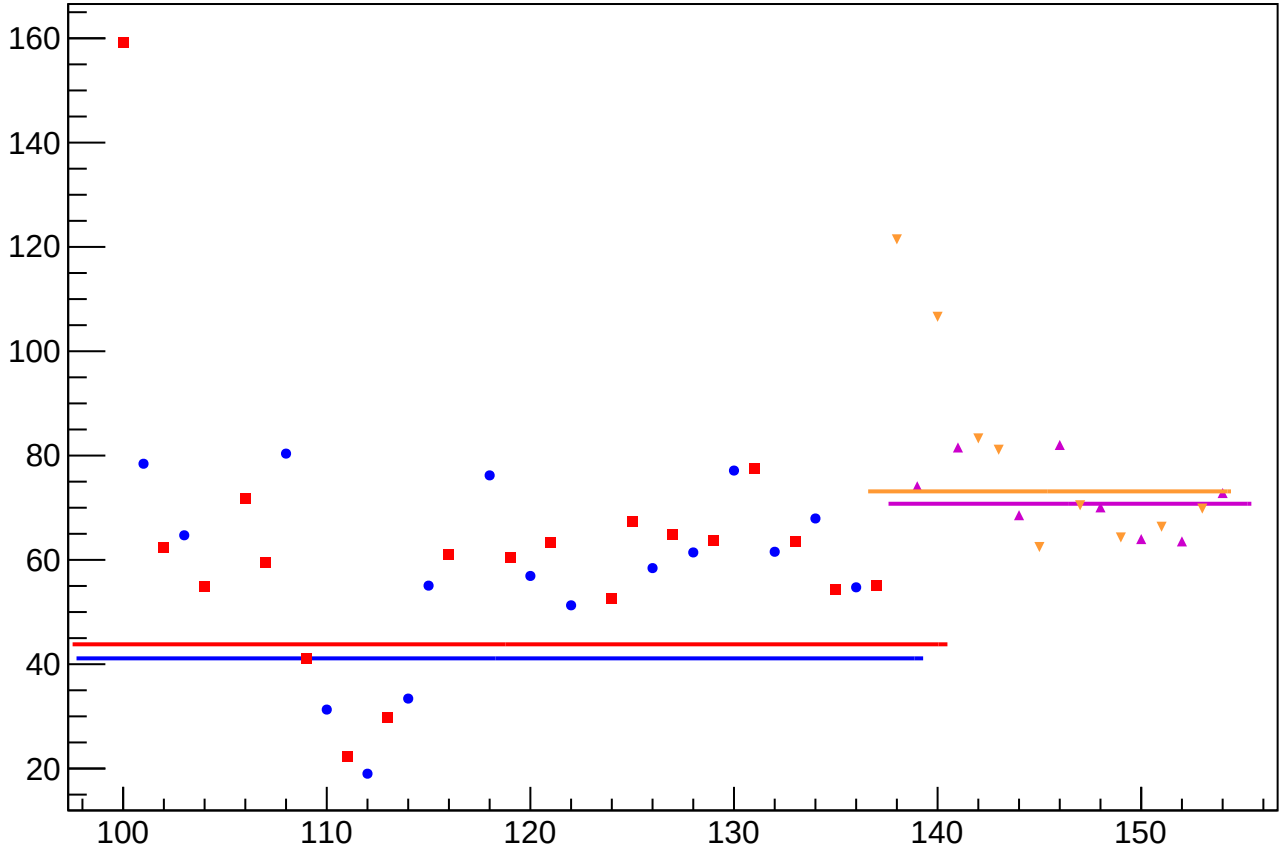
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.015 χ^2/NDF:26.7/23

Out: -0.001+/-0.015 χ^2/NDF:32.5/27

All: 0.023+/-0.011 χ^2/NDF: 64.3/51

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: 70.762+/-0.019 χ^2/NDF:108009.4/7

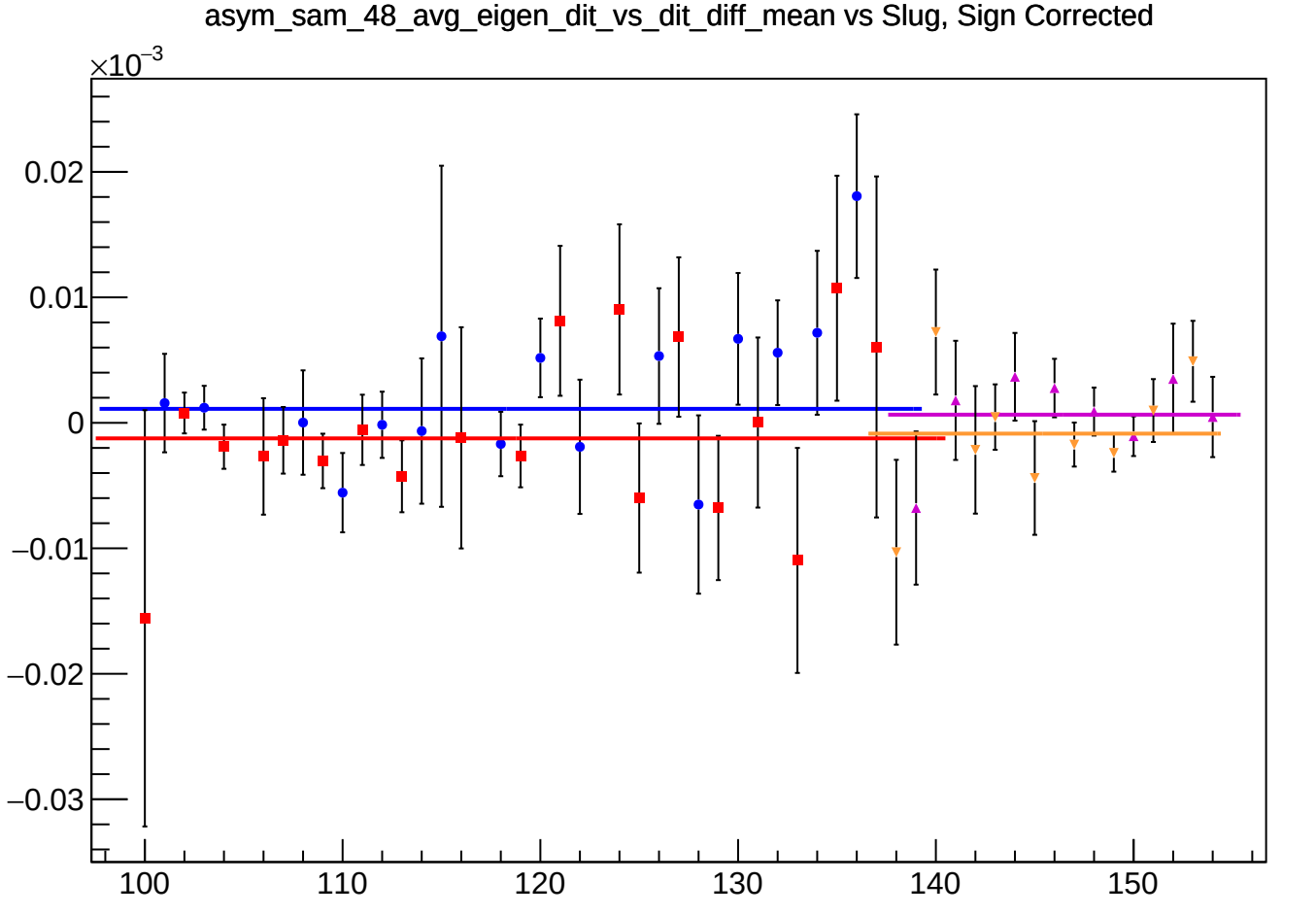
Left: 71.897+/-0.014 χ^2/NDF: 616737.0/16

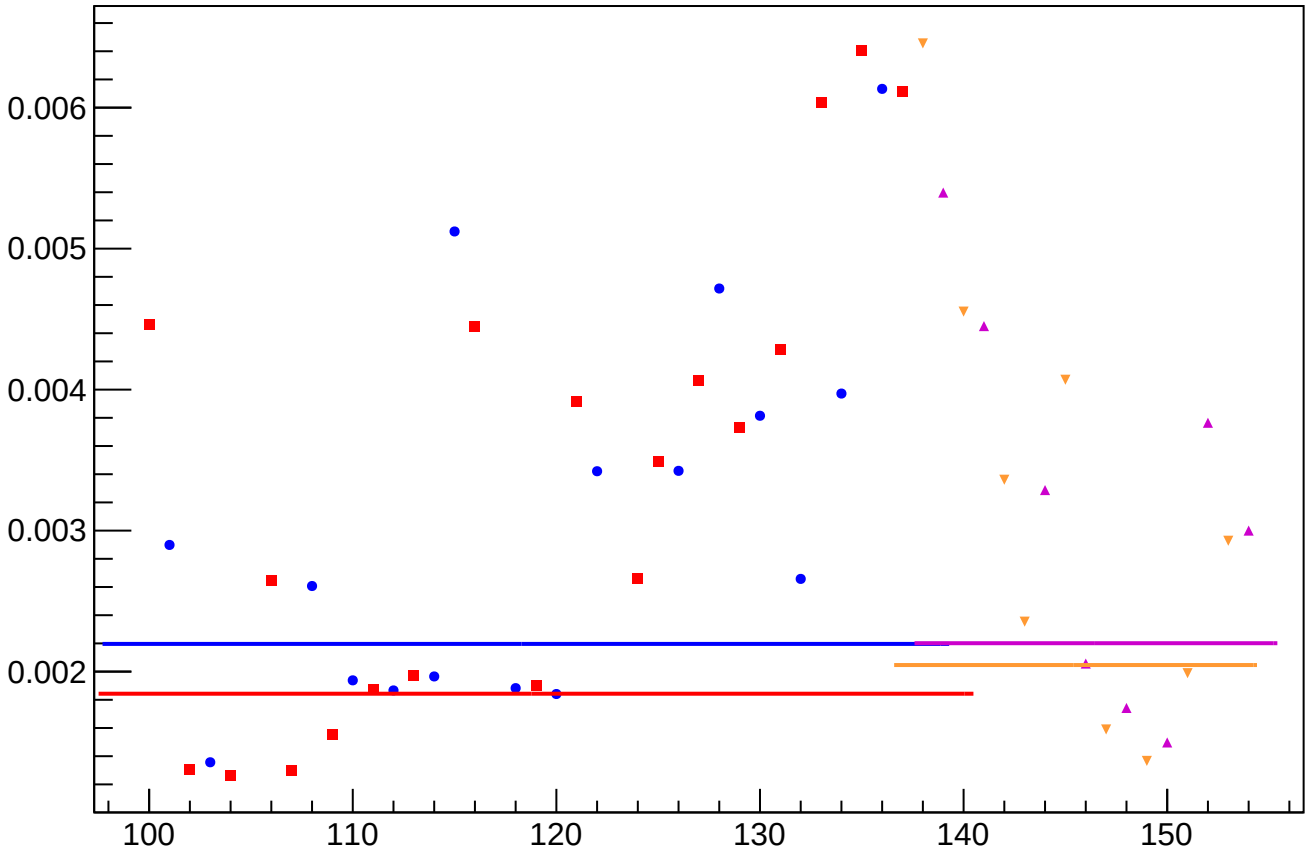
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 49.894+/-0.011 χ^2/NDF:4680222.1/23

Out: 52.080+/-0.011 χ^2/NDF:4058380.3/27

All: 50.967+/-0.008 χ^2/NDF: 8759696.1/51


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:4.7/7
Left: -0.000+/-0.000 χ²/NDF: 16.4/16
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:24.8/23
Out: -0.000+/-0.000 χ²/NDF:26.3/27
All: -0.000+/-0.000 χ²/NDF: 56.2/51



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:2085435.6/7

Left: 0.002+/-0.000 χ^2/NDF: 4599169.4/16

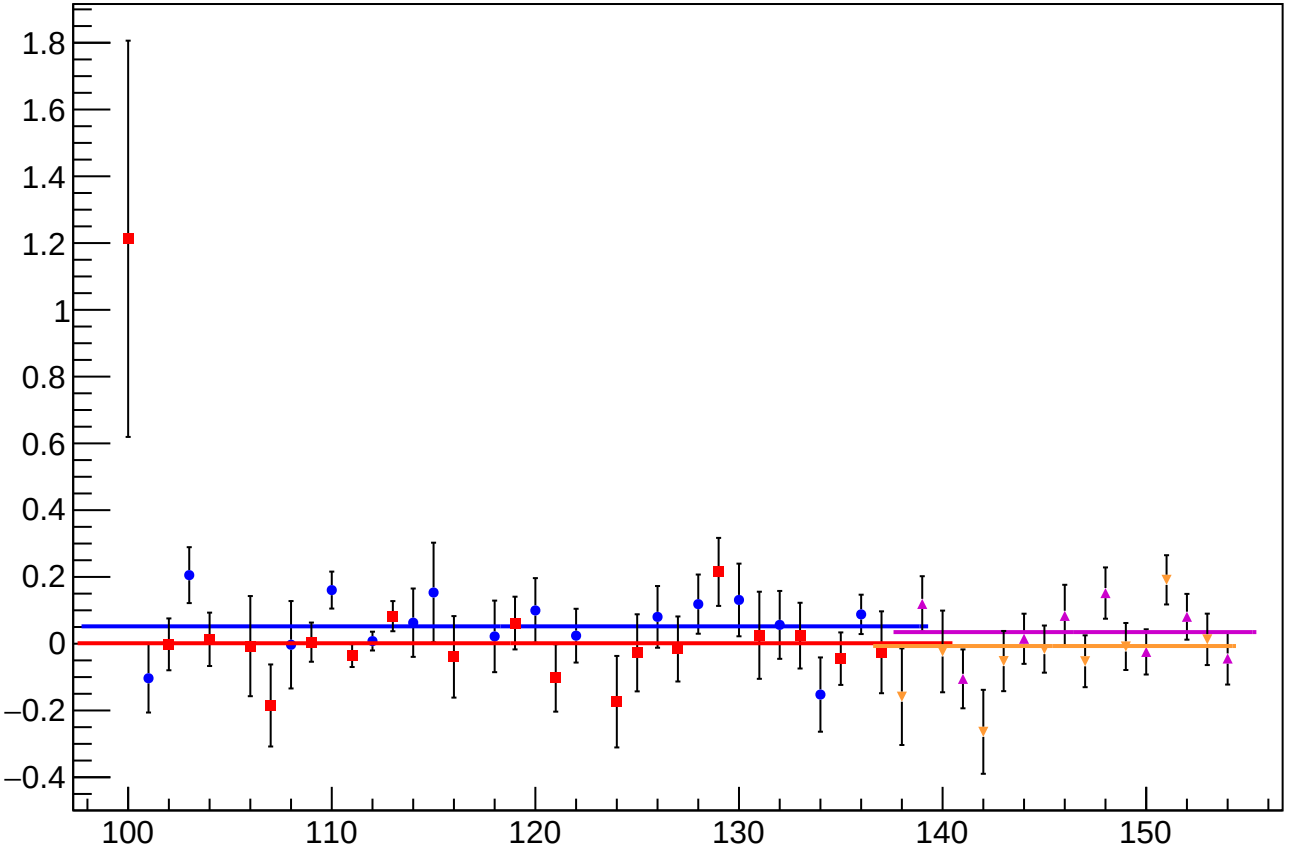
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:4378374.1/23

Out: 0.002+/-0.000 χ^2/NDF:5683484.5/27

All: 0.002+/-0.000 χ^2/NDF: 10251852.6/51

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.029 χ^2/NDF:13.2/8

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.035+/-0.027 χ^2/NDF:8.5/7

Left: 0.015+/-0.020 χ^2/NDF: 22.8/16

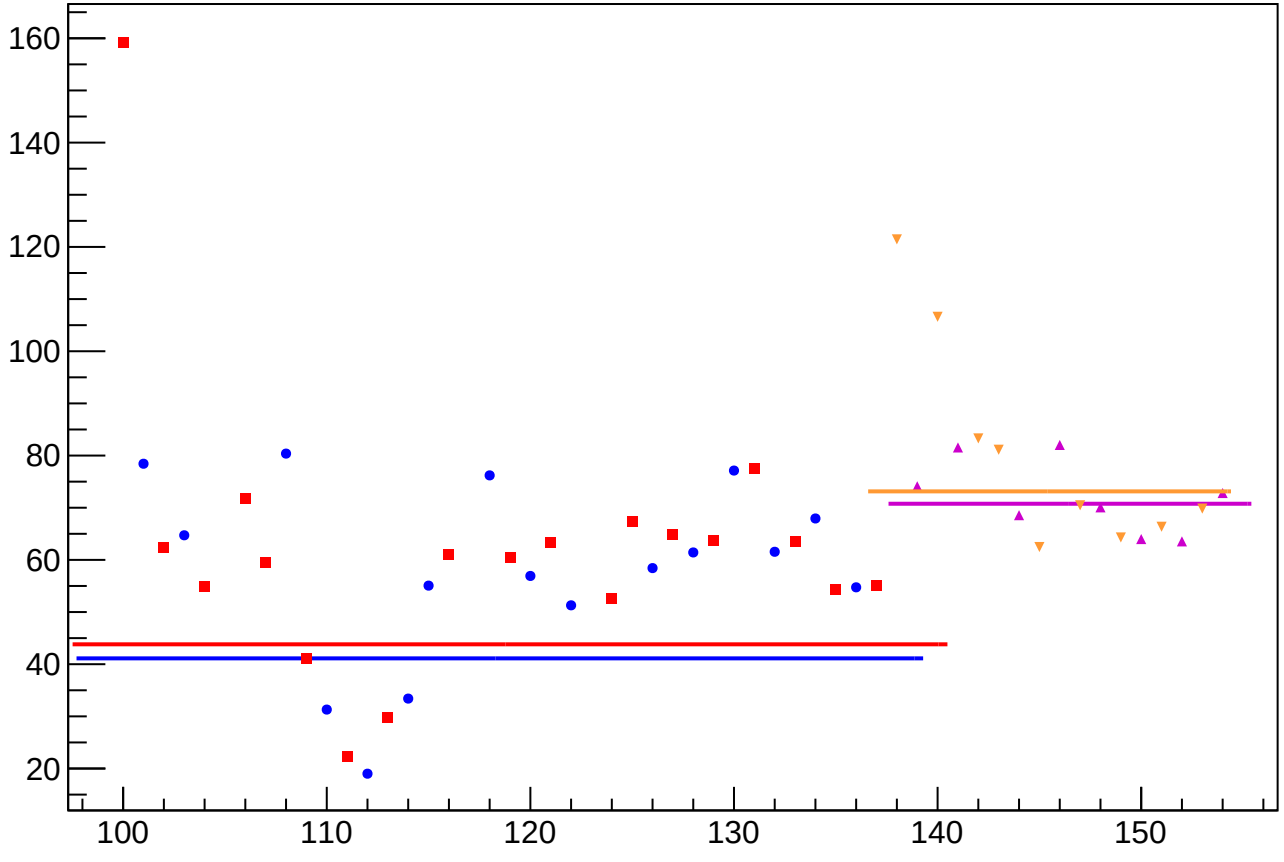
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.015 χ^2/NDF:26.7/23

Out: -0.001+/-0.015 χ^2/NDF:32.5/27

All: 0.023+/-0.011 χ^2/NDF: 64.3/51

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: 70.763+/-0.019 χ^2/NDF:108007.7/7

Left: 71.898+/-0.014 χ^2/NDF: 616711.8/16

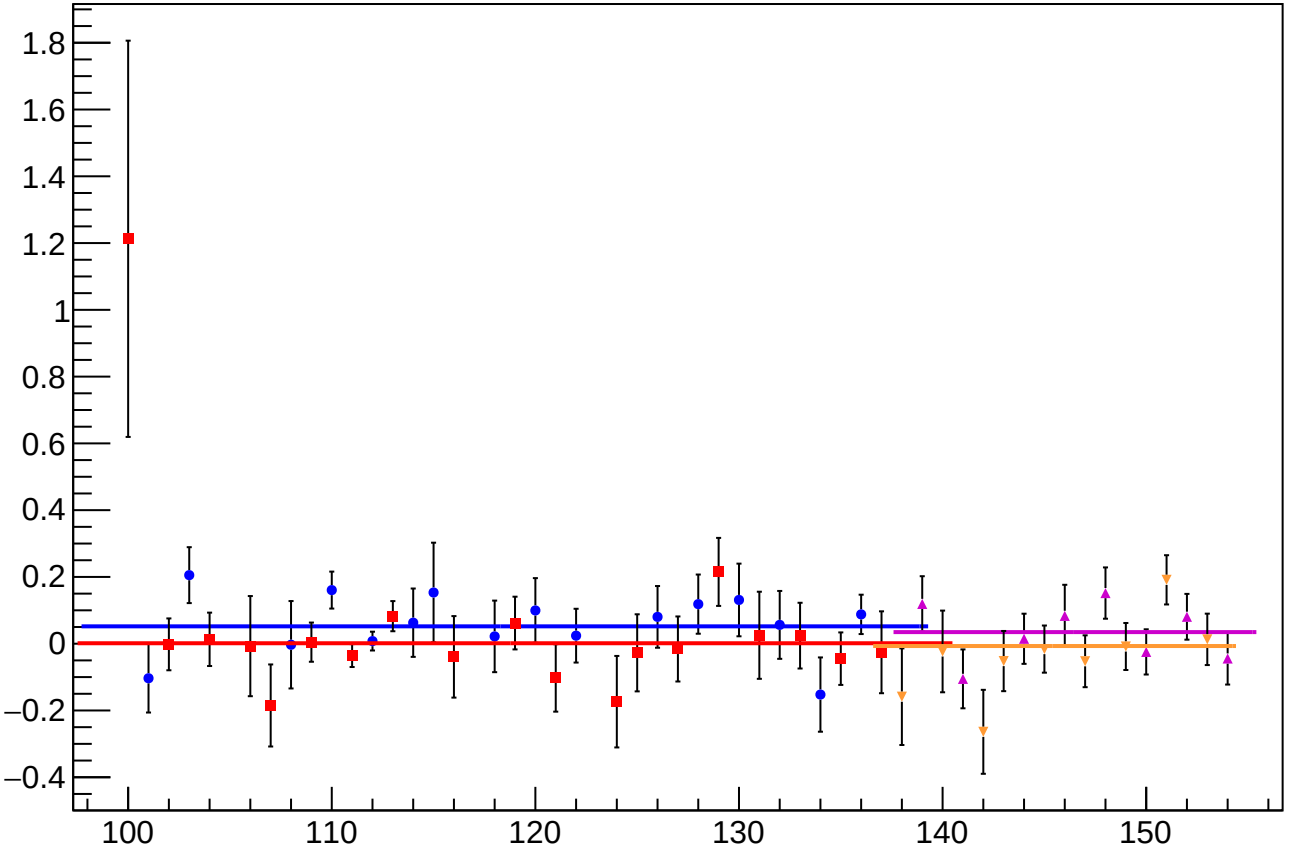
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 49.894+/-0.011 χ^2/NDF:4680559.9/23

Out: 52.080+/-0.011 χ^2/NDF:4058699.1/27

All: 50.966+/-0.008 χ^2/NDF: 8760353.8/51

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: 0.035+/-0.027 χ^2/NDF:8.5/7

Left: 0.015+/-0.020 χ^2/NDF: 22.8/16

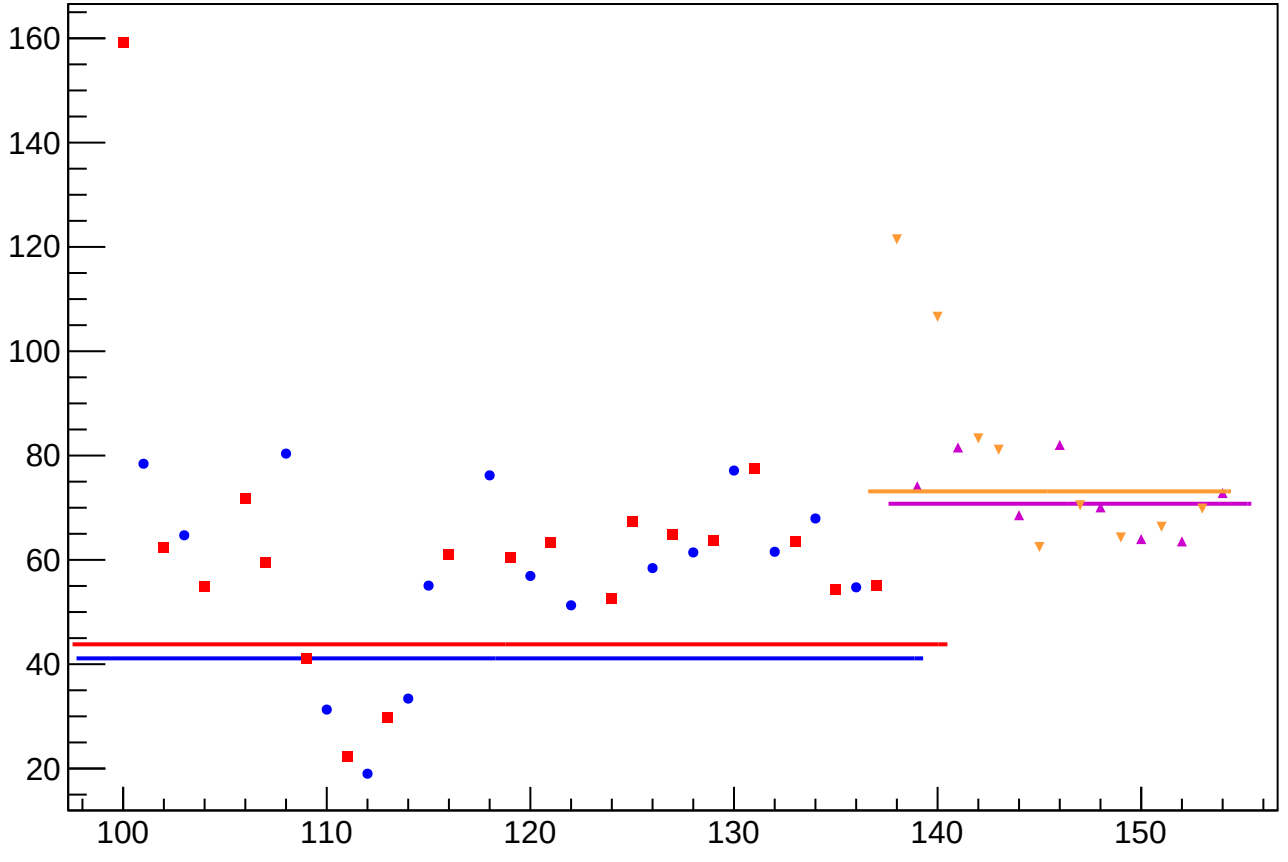
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.015 χ^2/NDF:26.7/23

Out: -0.001+/-0.015 χ^2/NDF:32.5/27

All: 0.023+/-0.011 χ^2/NDF: 64.3/51

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: 70.763+/-0.019 χ^2/NDF:108007.7/7

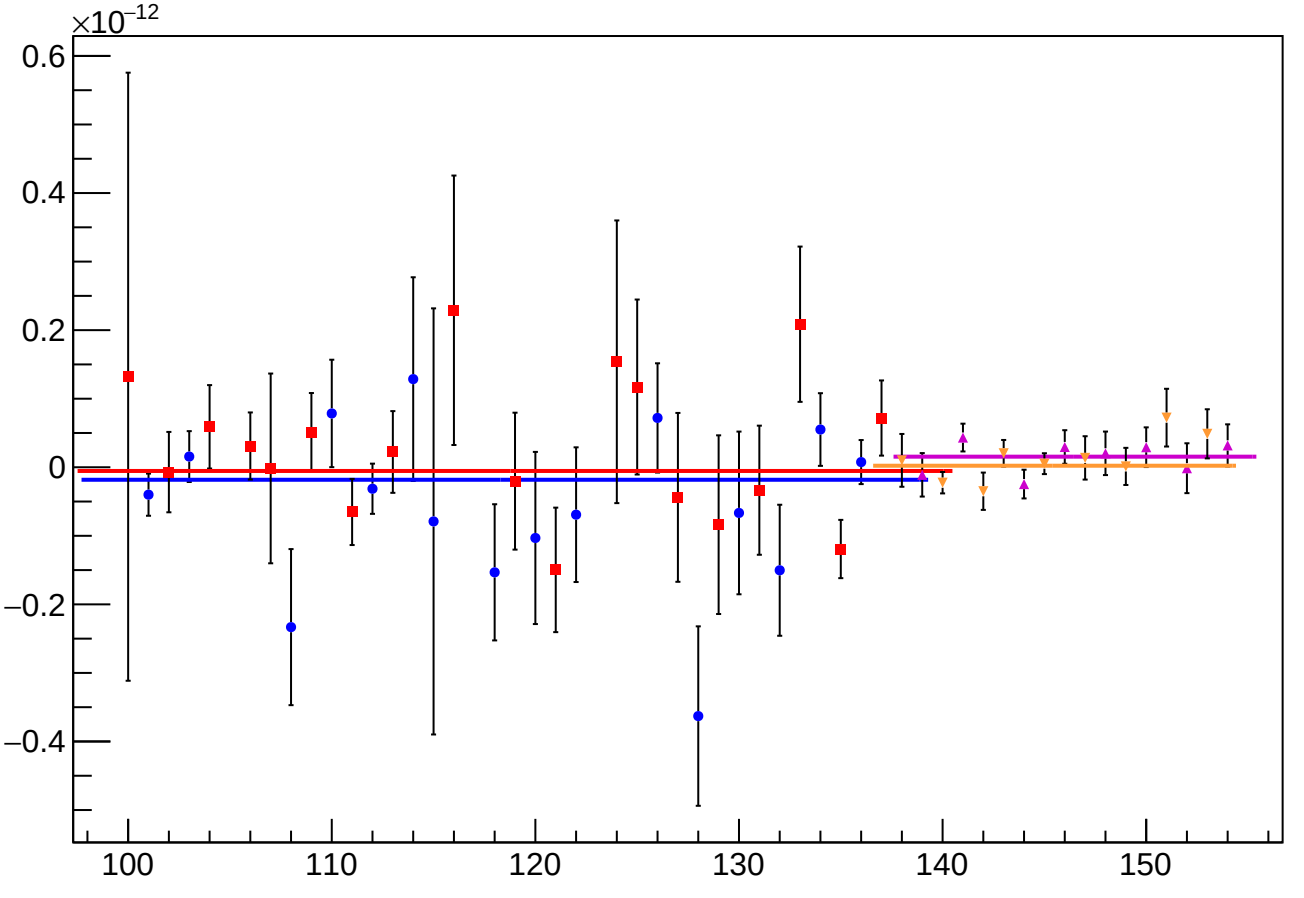
Left: 71.898+/-0.014 χ^2/NDF: 616711.8/16

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 49.894+/-0.011 χ^2/NDF:4680559.9/23

Out: 52.080+/-0.011 χ^2/NDF:4058699.1/27

All: 50.966+/-0.008 χ^2/NDF: 8760353.8/51



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:7.3/7

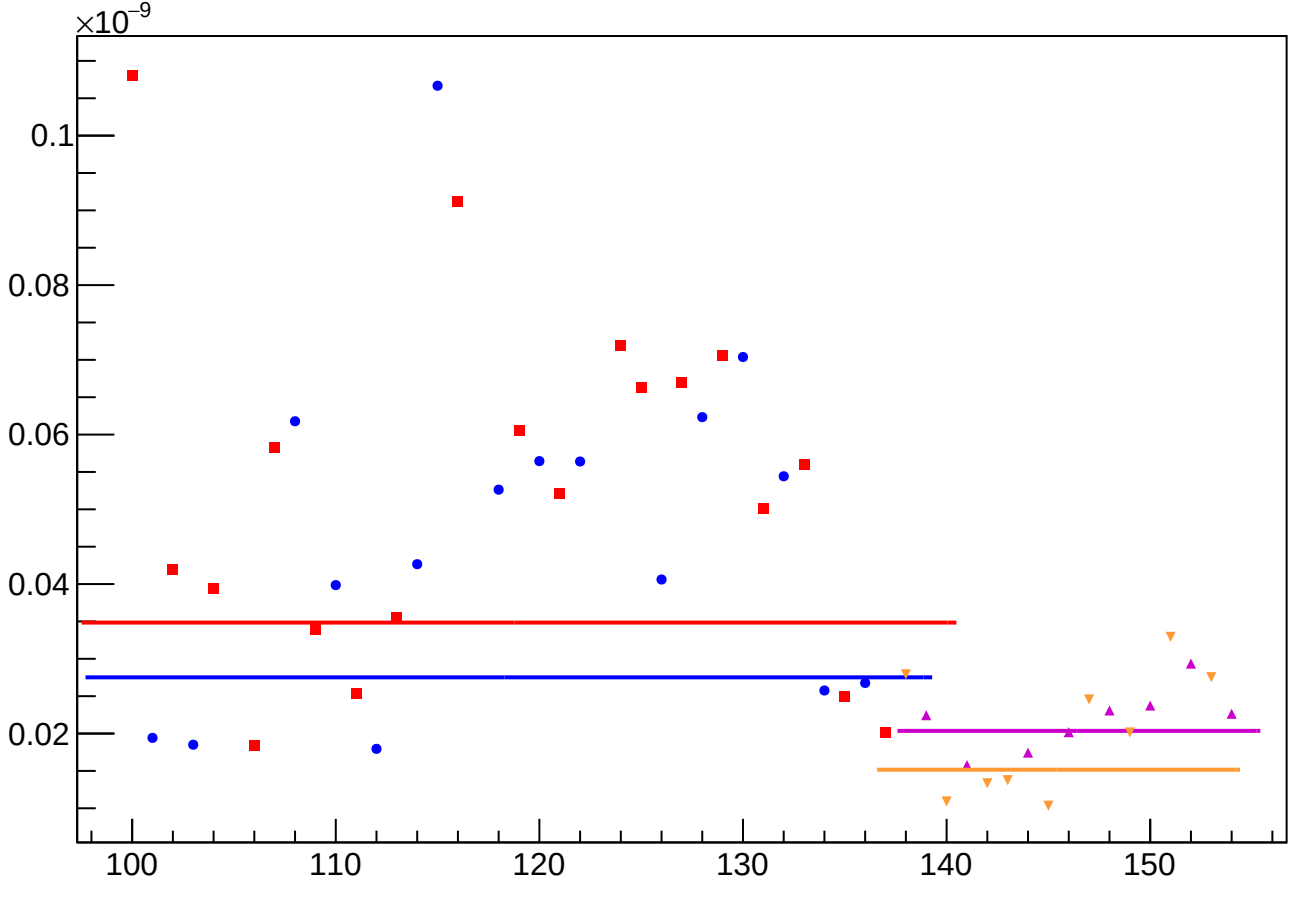
Left: 0.000+/-0.000 χ^2/NDF: 18.4/16

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:34.2/23

Out: 0.000+/-0.000 χ^2/NDF:33.4/27

All: 0.000+/-0.000 χ^2/NDF: 67.7/51



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:325528.5/7

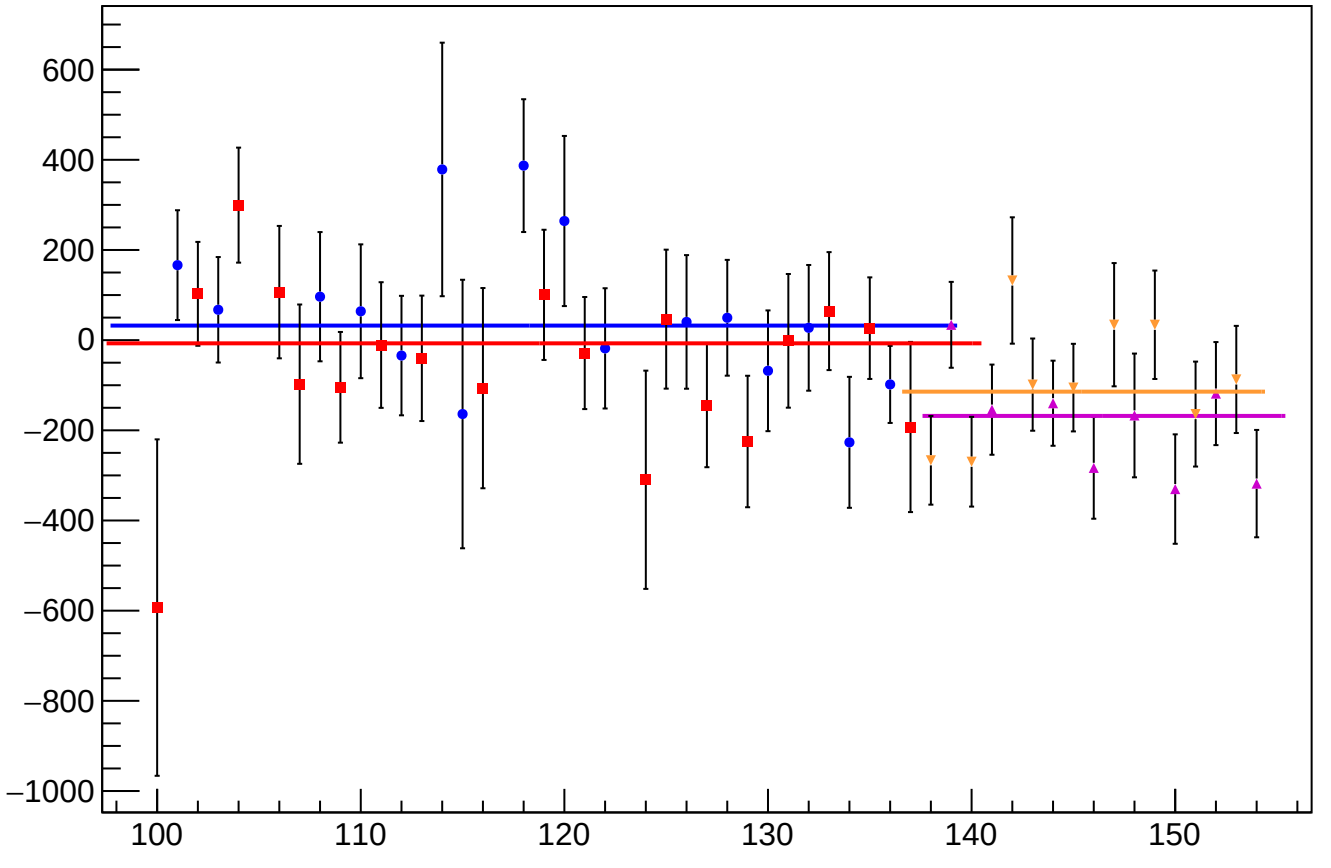
Left: 0.000+/-0.000 χ^2/NDF: 2120070.5/16

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2472534.0/23

Out: 0.000+/-0.000 χ^2/NDF:5397018.5/27

All: 0.000+/-0.000 χ^2/NDF: 8139119.3/51



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: -168.051+/-38.656 χ^2/NDF:9.2/7

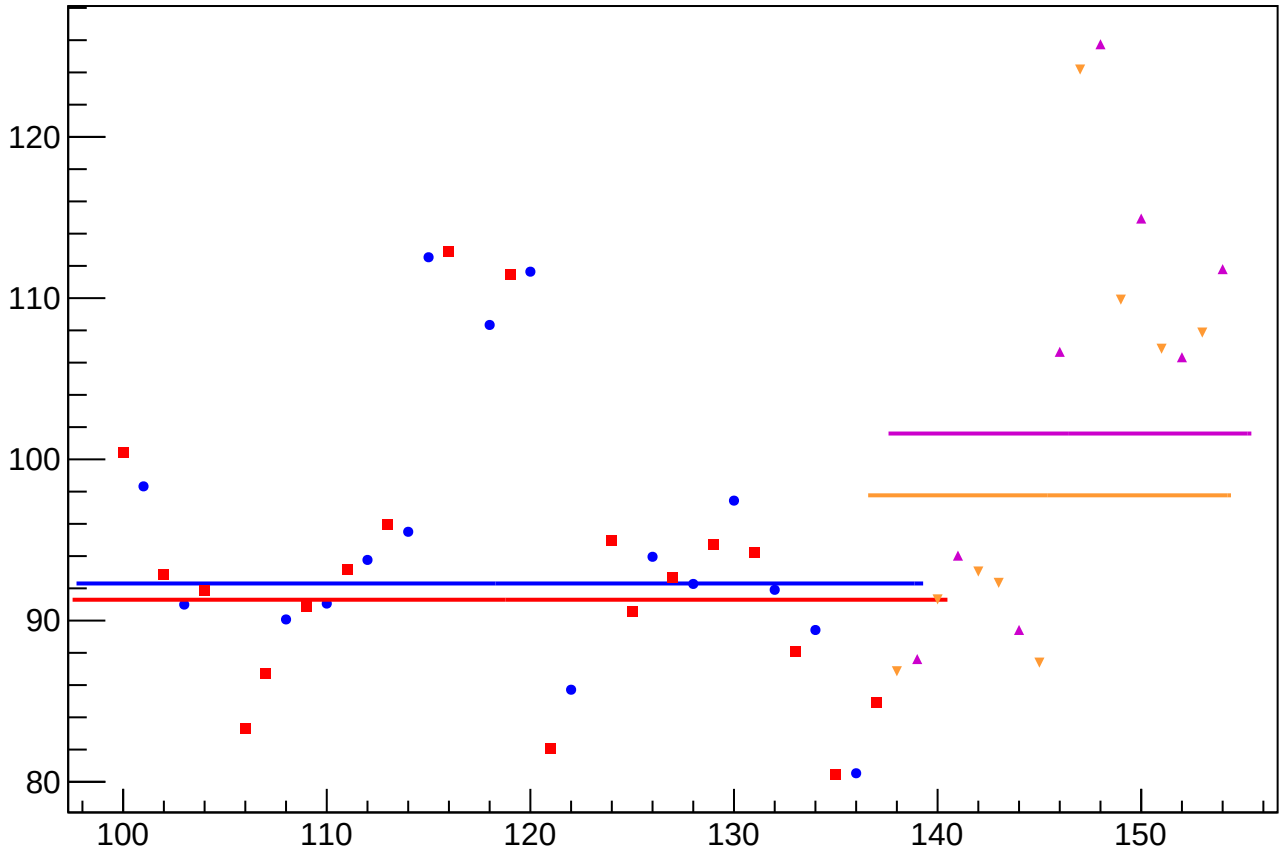
Left: -140.071+/-26.789 χ^2/NDF: 21.1/16

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -56.327+/-25.710 χ^2/NDF:41.5/23

Out: -54.981+/-24.849 χ^2/NDF:33.3/27

All: -55.631+/-17.867 χ^2/NDF: 74.8/51



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: 101.603+/-0.027 χ^2/NDF:196097.1/7

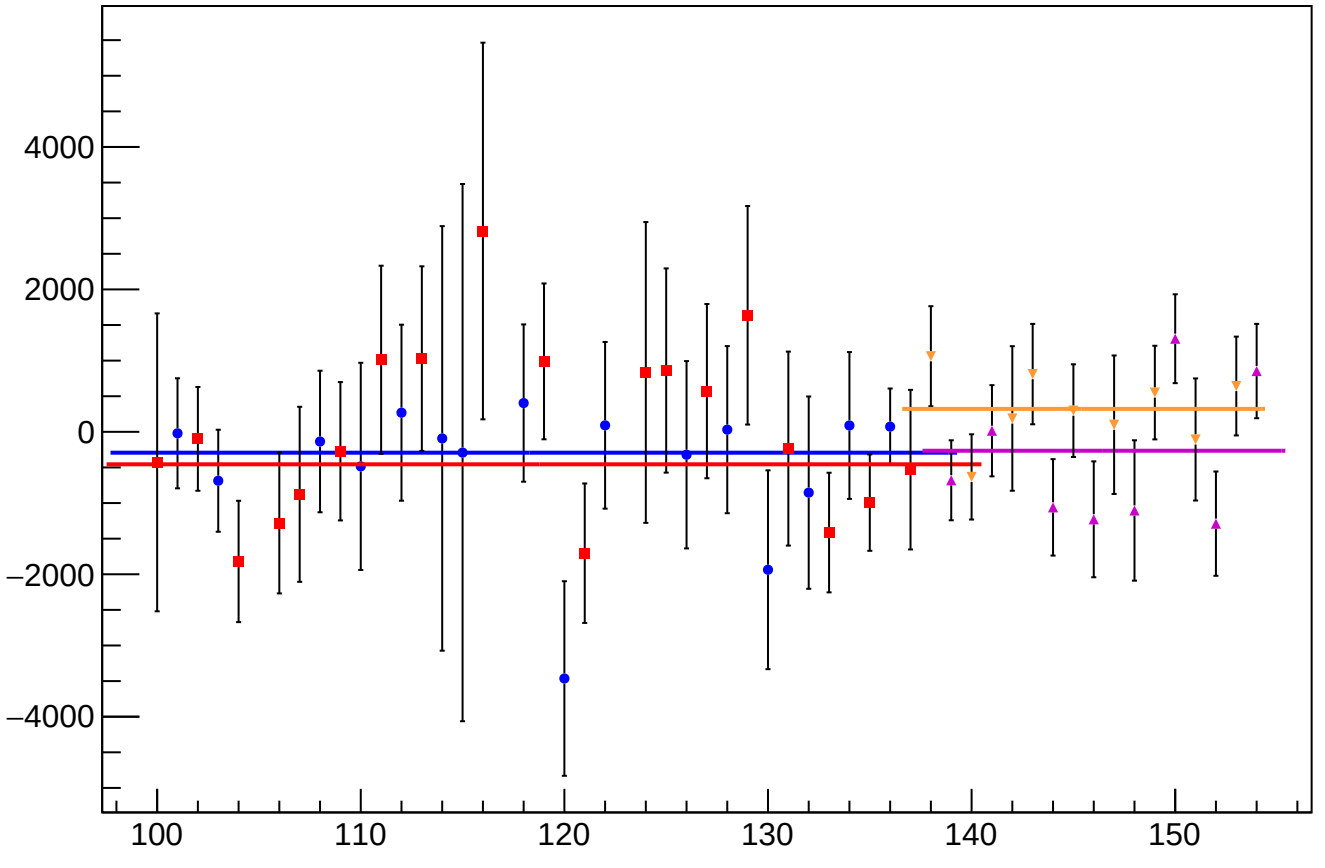
Left: 99.611+/-0.019 χ^2/NDF: 391765.4/16

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 96.416+/-0.018 χ^2/NDF:367721.1/23

Out: 94.189+/-0.018 χ^2/NDF:324126.3/27

All: 95.265+/-0.013 χ^2/NDF: 699605.4/51



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: -265.481+/-242.226 χ^2/NDF:15.4/7

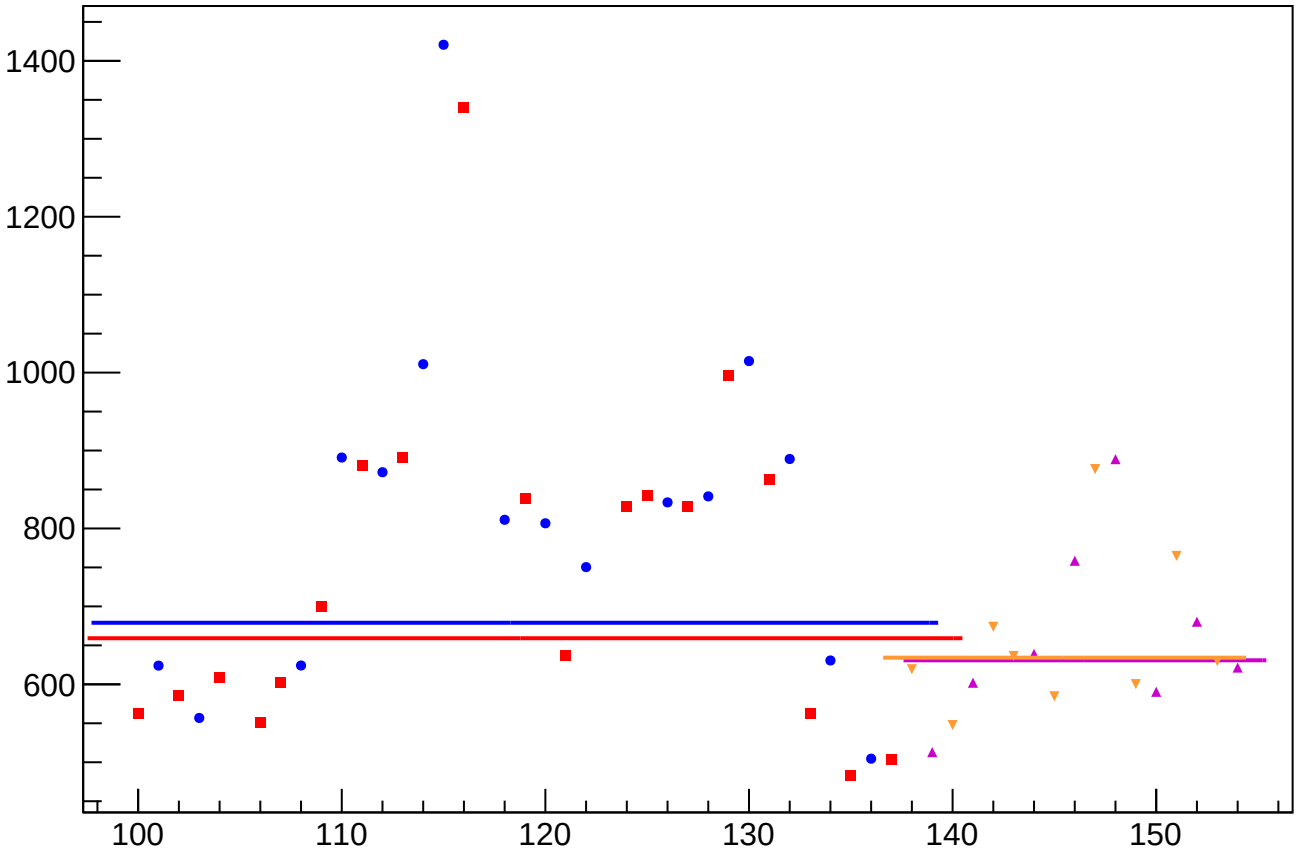
Left: 27.897+/-171.452 χ^2/NDF: 23.1/16

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -278.170+/-177.133 χ^2/NDF:24.2/23

Out: -57.181+/-173.708 χ^2/NDF:26.7/27

All: -165.519+/-124.023 χ^2/NDF: 51.7/51



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: 630.841+/-0.171 χ^2/NDF:296721.8/7

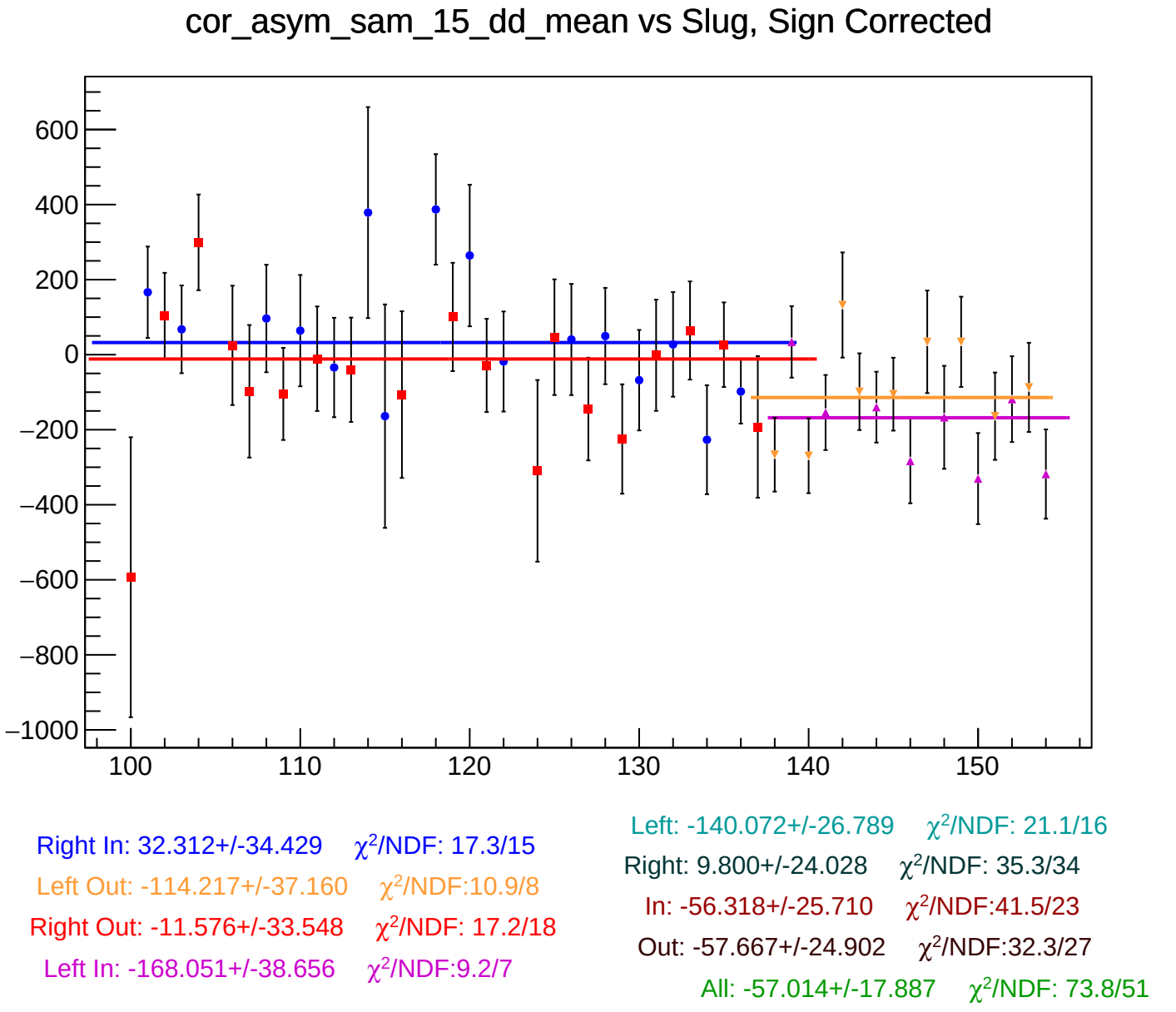
Left: 632.522+/-0.121 χ^2/NDF: 529923.6/16

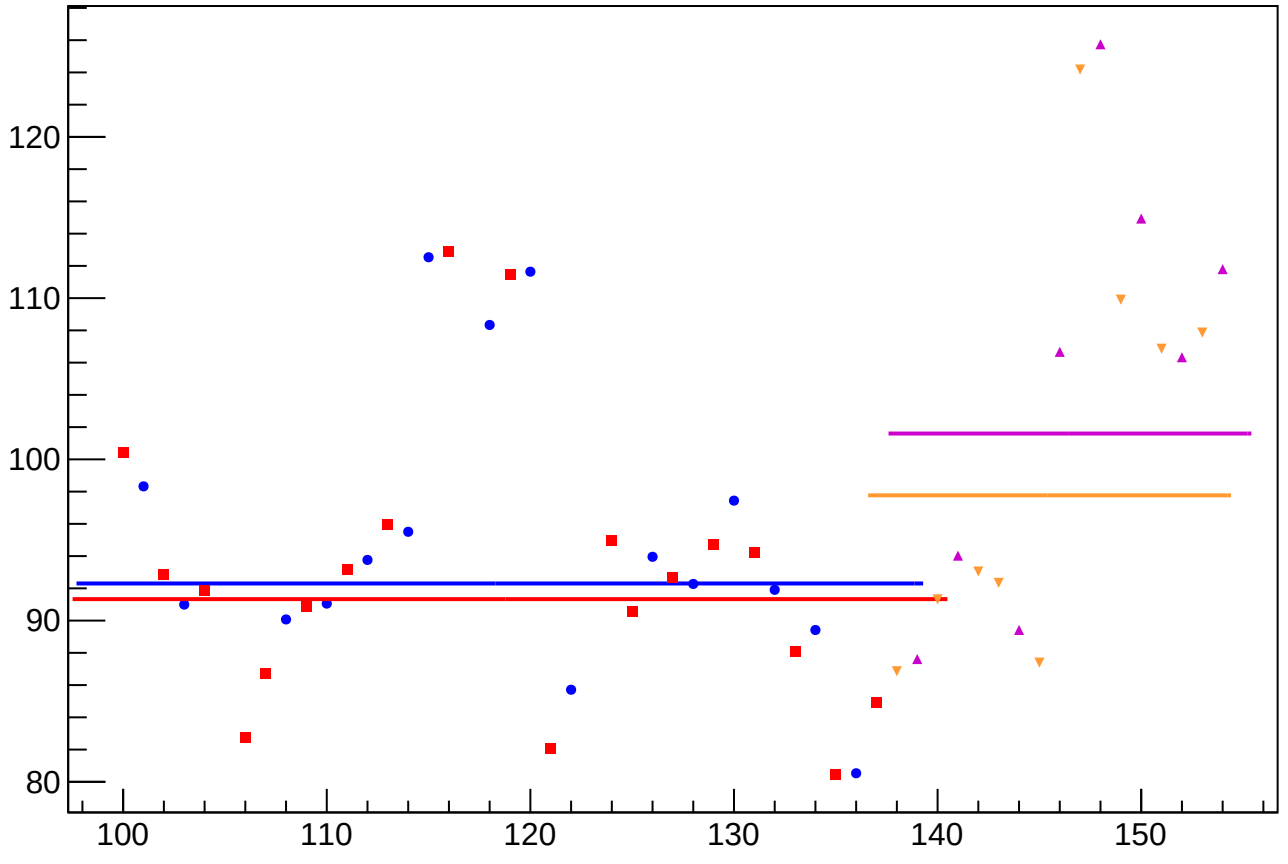
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 653.248+/-0.125 χ^2/NDF:1101491.4/23

Out: 646.367+/-0.123 χ^2/NDF:1039172.8/27

All: 649.741+/-0.088 χ^2/NDF: 2142202.4/51


cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -114.217+/-37.160 χ²/NDF:10.9/8
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -168.051+/-38.656 χ²/NDF:9.2/7
Left: -140.072+/-26.789 χ²/NDF: 21.1/16
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -56.318+/-25.710 χ²/NDF:41.5/23
Out: -57.667+/-24.902 χ²/NDF:32.3/27
All: -57.014+/-17.887 χ²/NDF: 73.8/51



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: 101.603+/-0.027 χ^2/NDF:196097.1/7

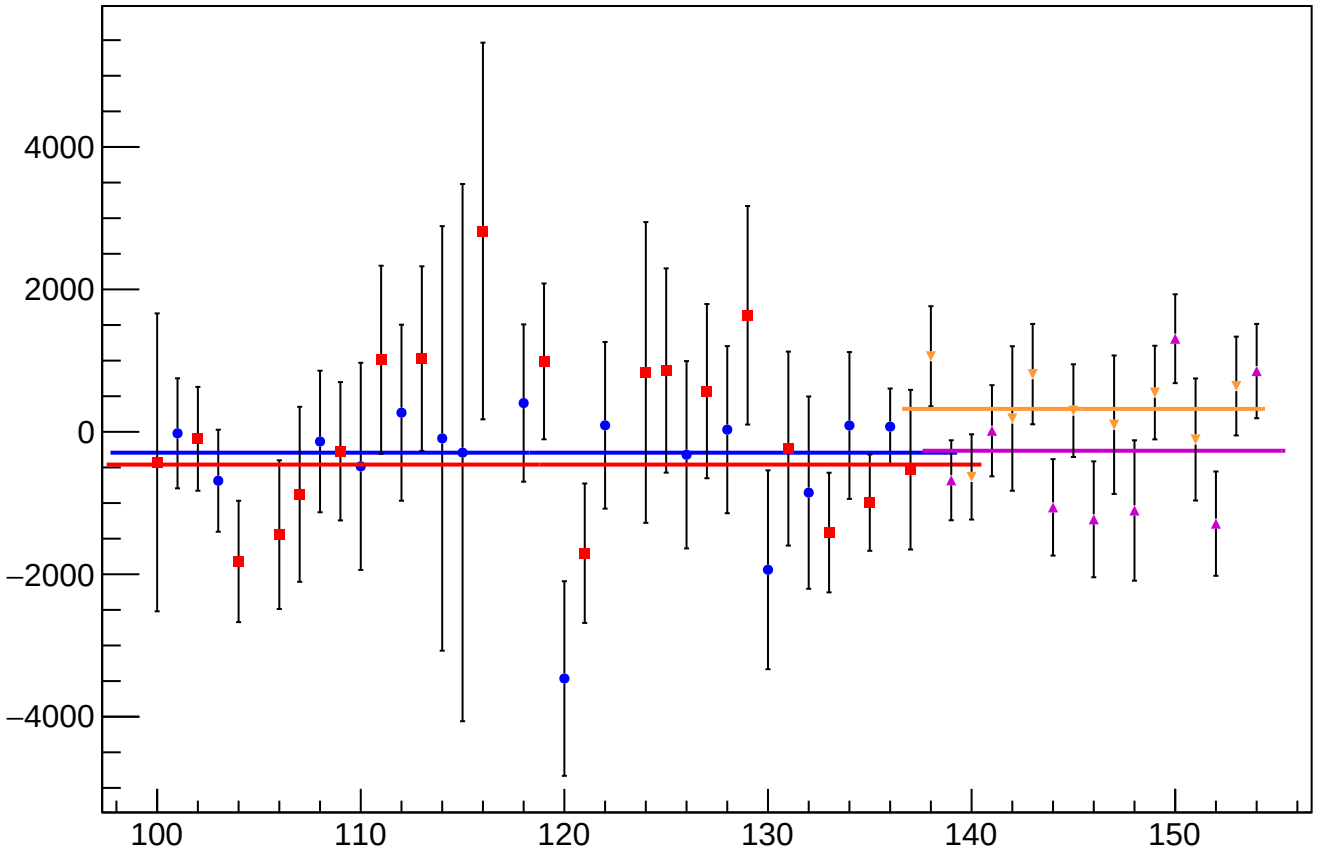
Left: 99.611+/-0.019 χ^2/NDF: 391765.4/16

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 96.416+/-0.018 χ^2/NDF:367721.0/23

Out: 94.223+/-0.018 χ^2/NDF:323437.7/27

All: 95.285+/-0.013 χ^2/NDF: 698670.2/51



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: -265.477+/-242.226 χ^2/NDF:15.4/7

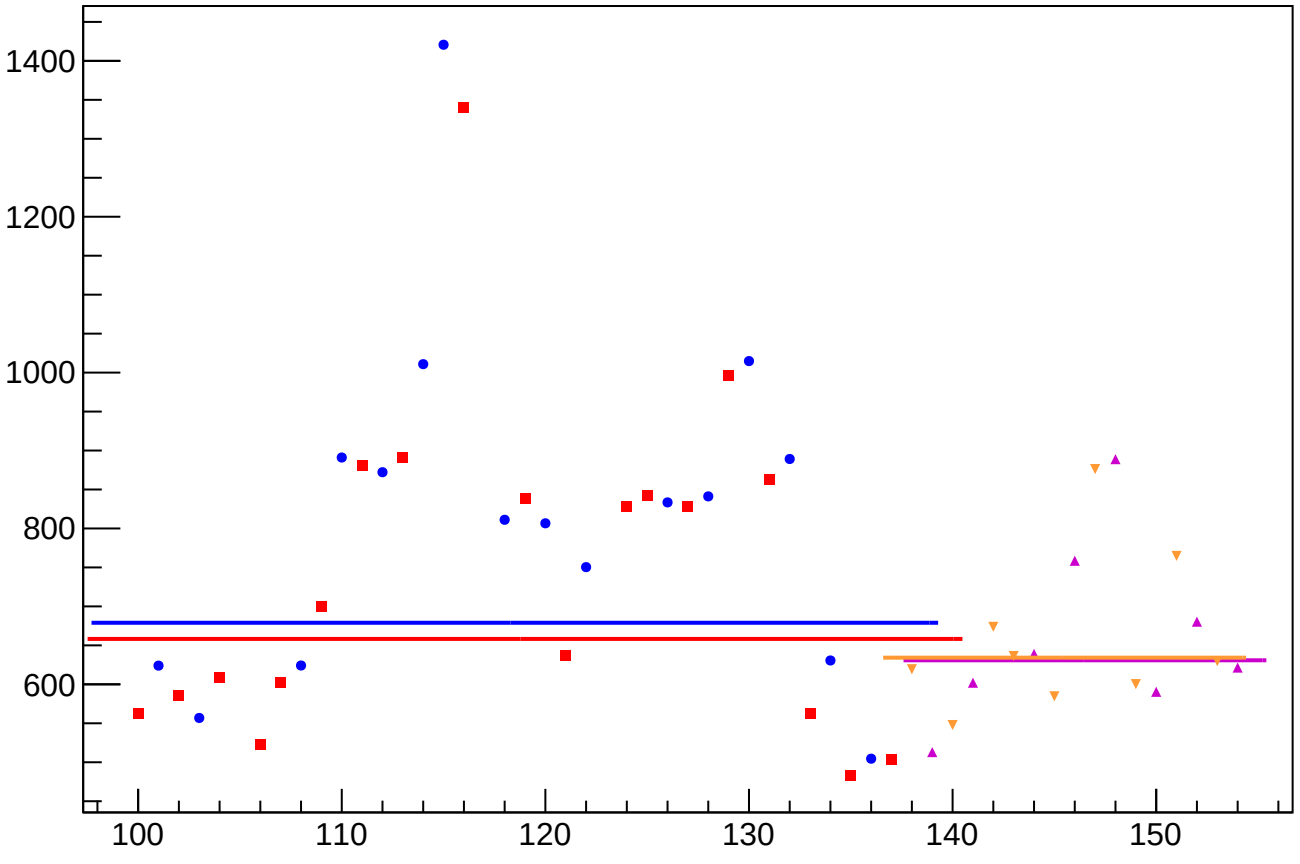
Left: 27.897+/-171.452 χ^2/NDF: 23.1/16

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -278.167+/-177.133 χ^2/NDF:24.2/23

Out: -57.723+/-173.989 χ^2/NDF:26.9/27

All: -165.972+/-124.125 χ^2/NDF: 51.9/51



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: 630.841+/-0.171 χ^2/NDF:296721.7/7

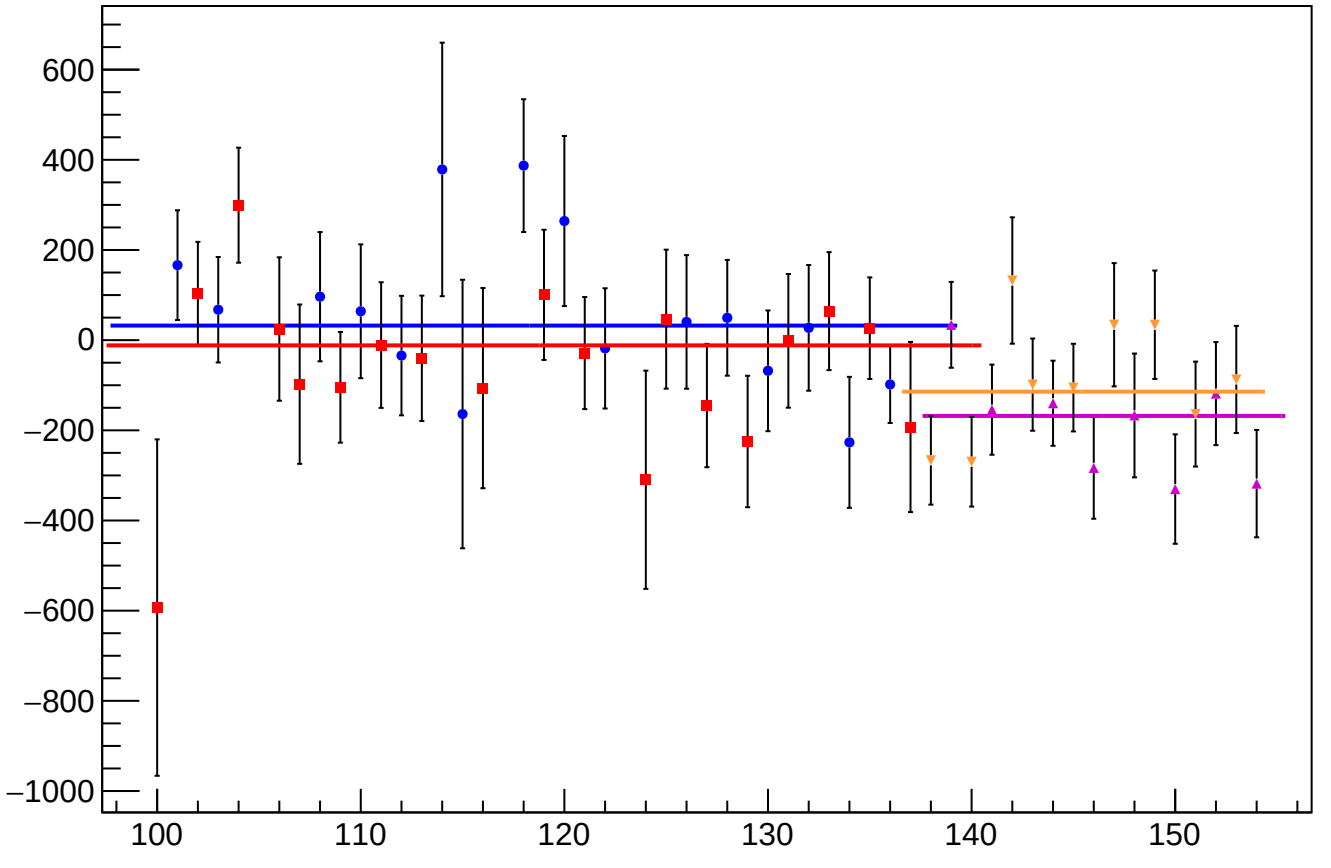
Left: 632.522+/-0.121 χ^2/NDF: 529923.7/16

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 653.248+/-0.125 χ^2/NDF:1101492.3/23

Out: 645.903+/-0.123 χ^2/NDF:1048454.1/27

All: 649.509+/-0.088 χ^2/NDF: 2151696.7/51



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: -168.051+/-38.656 χ^2/NDF:9.2/7

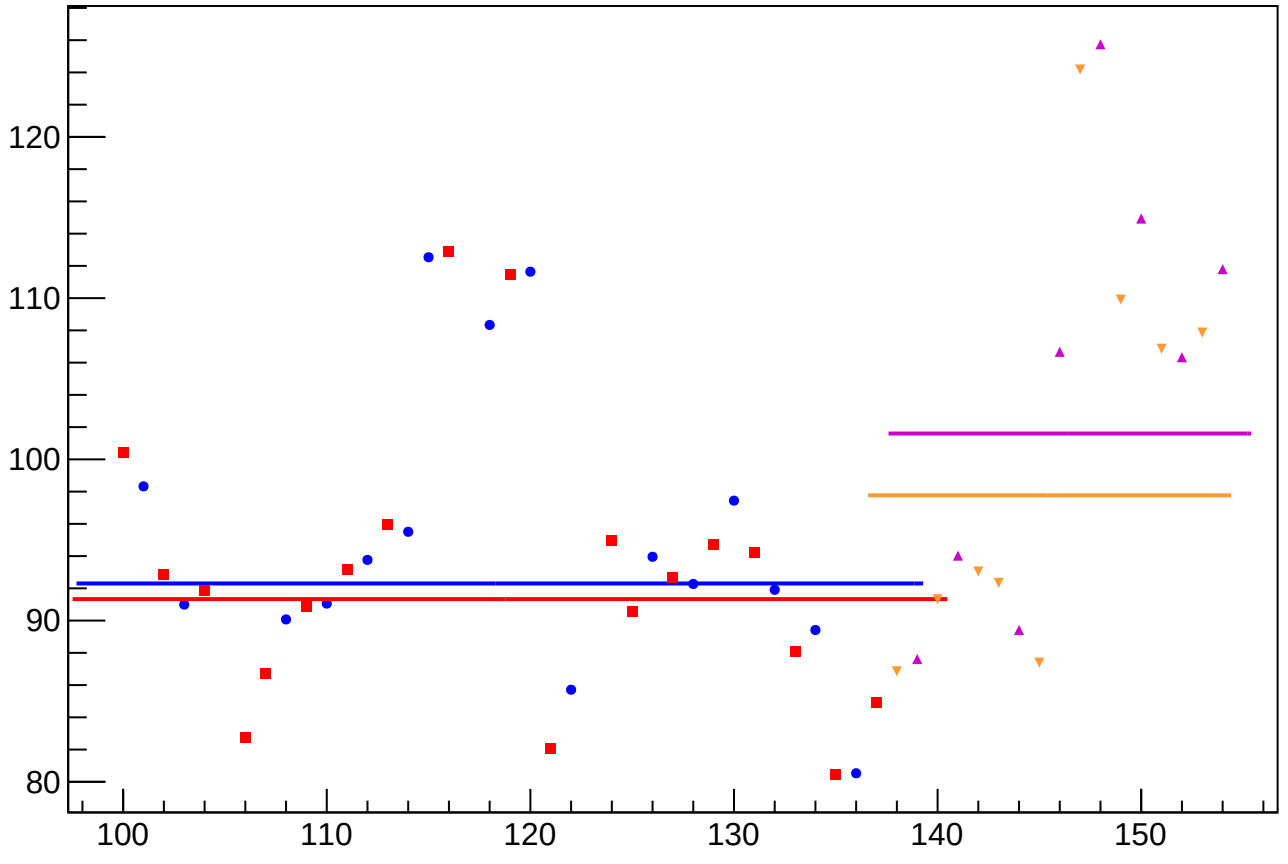
Left: -140.072+/-26.789 χ^2/NDF: 21.1/16

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -56.318+/-25.710 χ^2/NDF:41.5/23

Out: -57.667+/-24.902 χ^2/NDF:32.3/27

All: -57.014+/-17.887 χ^2/NDF: 73.8/51



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: 101.603+/-0.027 χ^2/NDF:196097.1/7

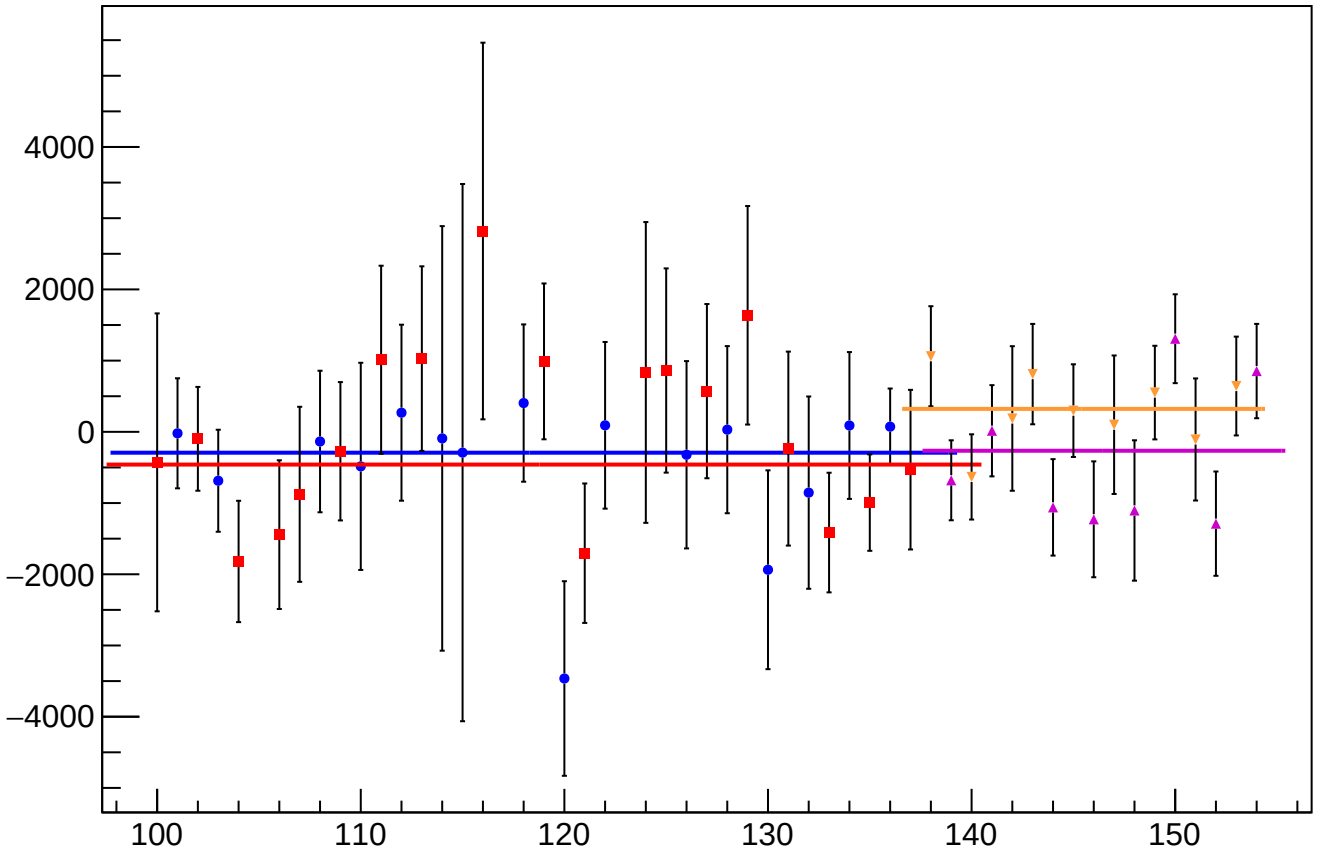
Left: 99.611+/-0.019 χ^2/NDF: 391765.4/16

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 96.416+/-0.018 χ^2/NDF:367721.0/23

Out: 94.223+/-0.018 χ^2/NDF:323437.7/27

All: 95.285+/-0.013 χ^2/NDF: 698670.2/51



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: -265.477+/-242.226 χ^2/NDF:15.4/7

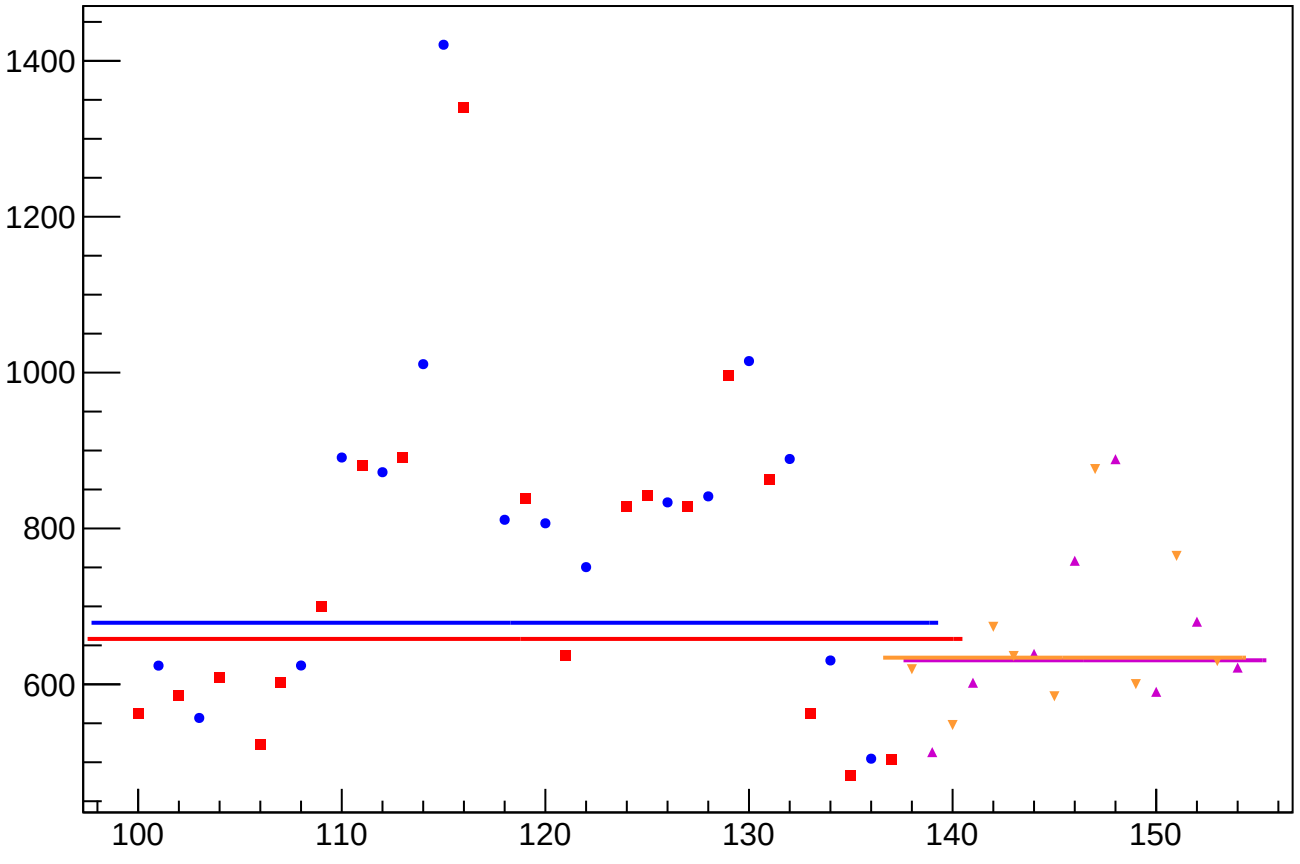
Left: 27.897+/-171.452 χ^2/NDF: 23.1/16

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -278.167+/-177.133 χ^2/NDF:24.2/23

Out: -57.723+/-173.989 χ^2/NDF:26.9/27

All: -165.972+/-124.125 χ^2/NDF: 51.9/51



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: 630.841+/-0.171 χ^2/NDF:296721.7/7

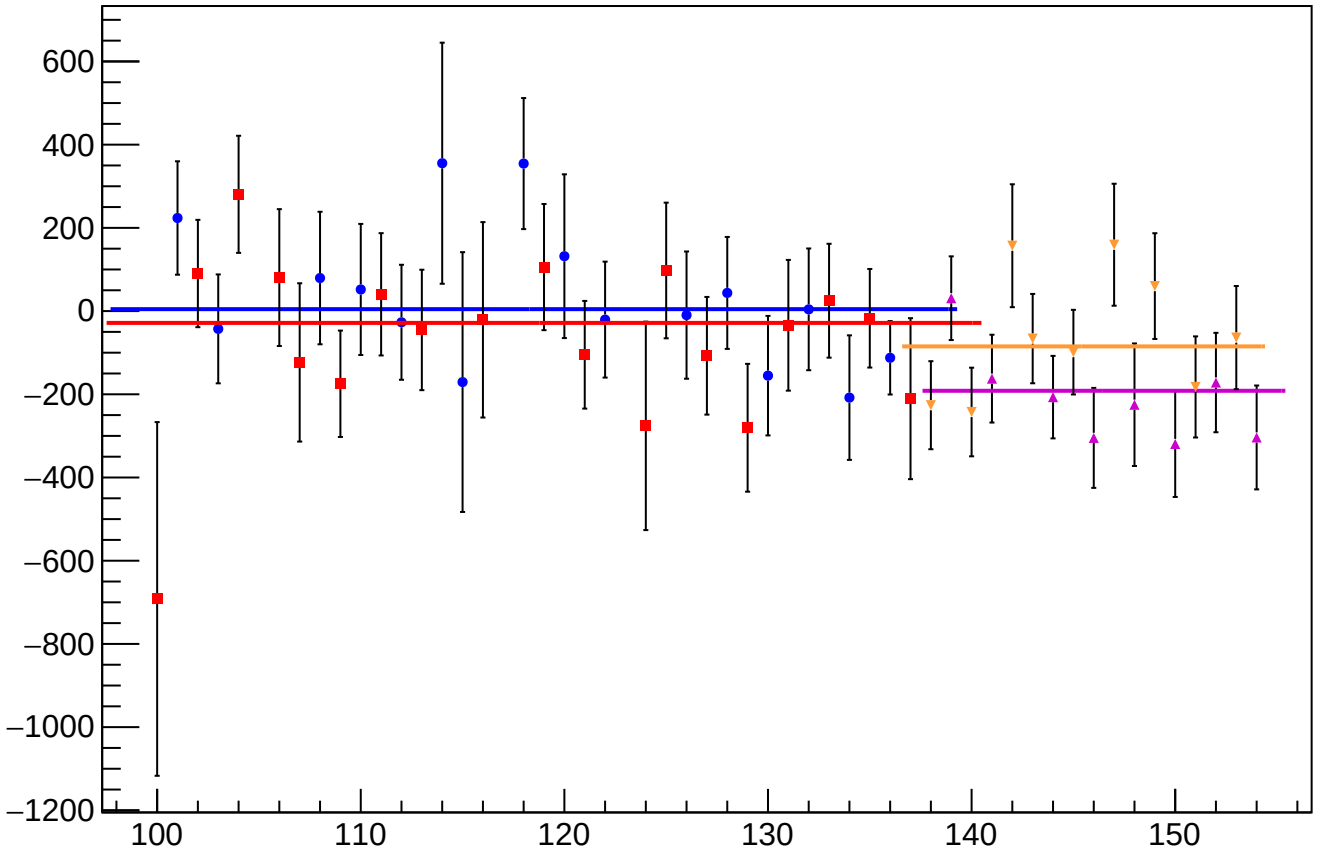
Left: 632.522+/-0.121 χ^2/NDF: 529923.7/16

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 653.248+/-0.125 χ^2/NDF:1101492.3/23

Out: 645.903+/-0.123 χ^2/NDF:1048454.1/27

All: 649.509+/-0.088 χ^2/NDF: 2151696.7/51



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: -191.573+/-40.774 χ^2/NDF:7.8/7

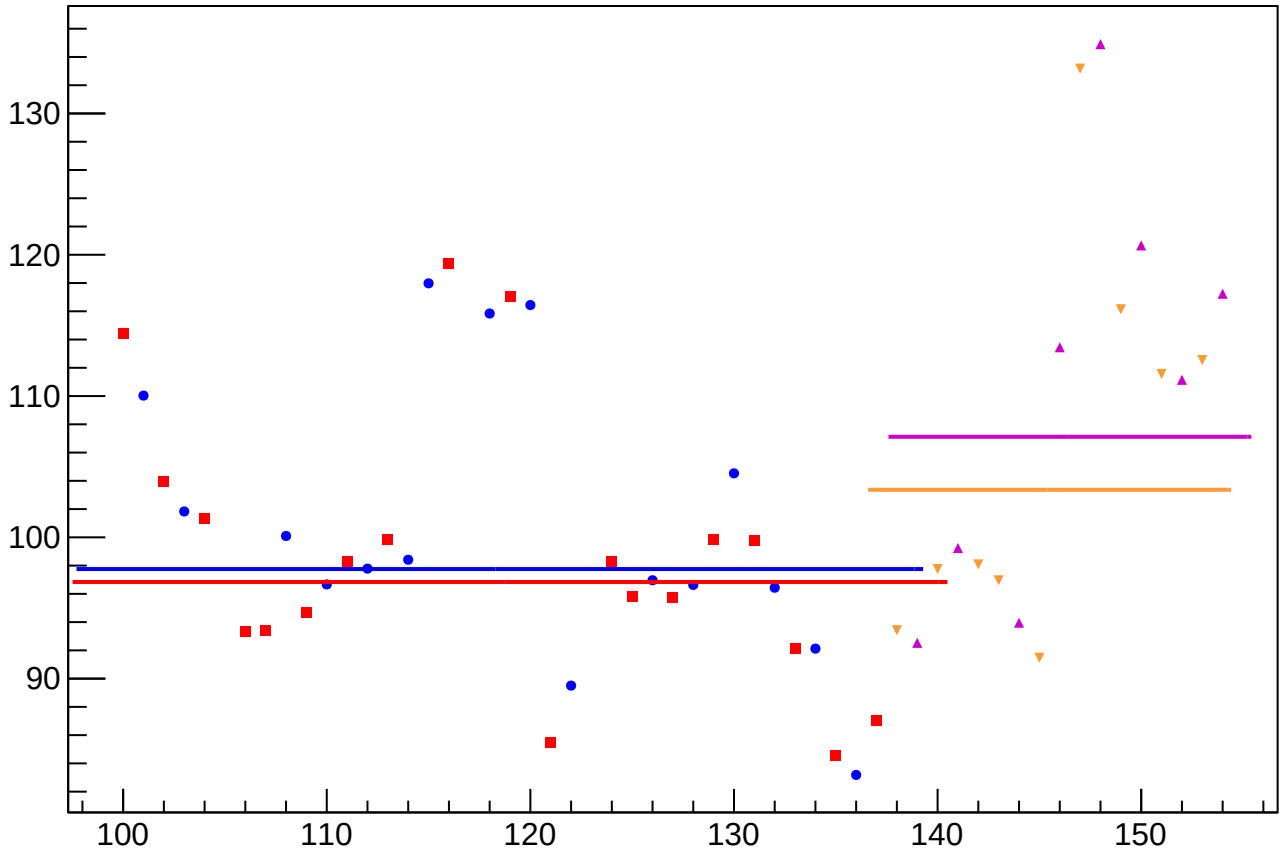
Left: -136.264+/-28.290 χ^2/NDF: 22.8/16

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -82.682+/-27.199 χ^2/NDF:36.0/23

Out: -53.783+/-26.325 χ^2/NDF:29.7/27

All: -67.761+/-18.916 χ^2/NDF: 66.3/51



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: 107.118+/-0.029 χ^2/NDF:203202.5/7

Left: 105.172+/-0.020 χ^2/NDF: 395191.8/16

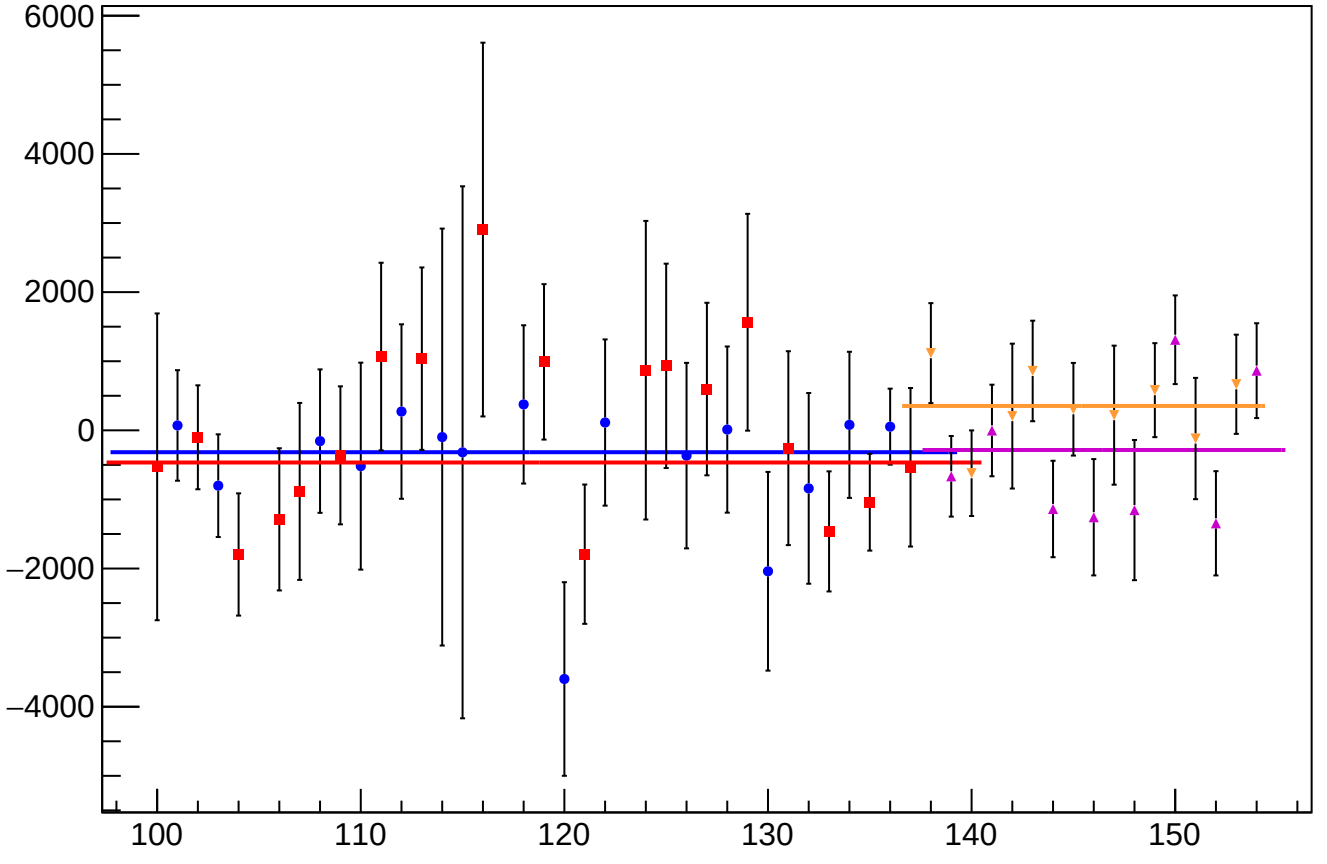
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 101.922+/-0.019 χ^2/NDF:402373.4/23

Out: 99.770+/-0.019 χ^2/NDF:328795.3/27

All: 100.811+/-0.013 χ^2/NDF: 737629.7/51

asym_sam_15_dd_dit_correction_mean vs Slug, Sign Corrected



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: -284.485+/-250.294 χ^2/NDF:15.1/7

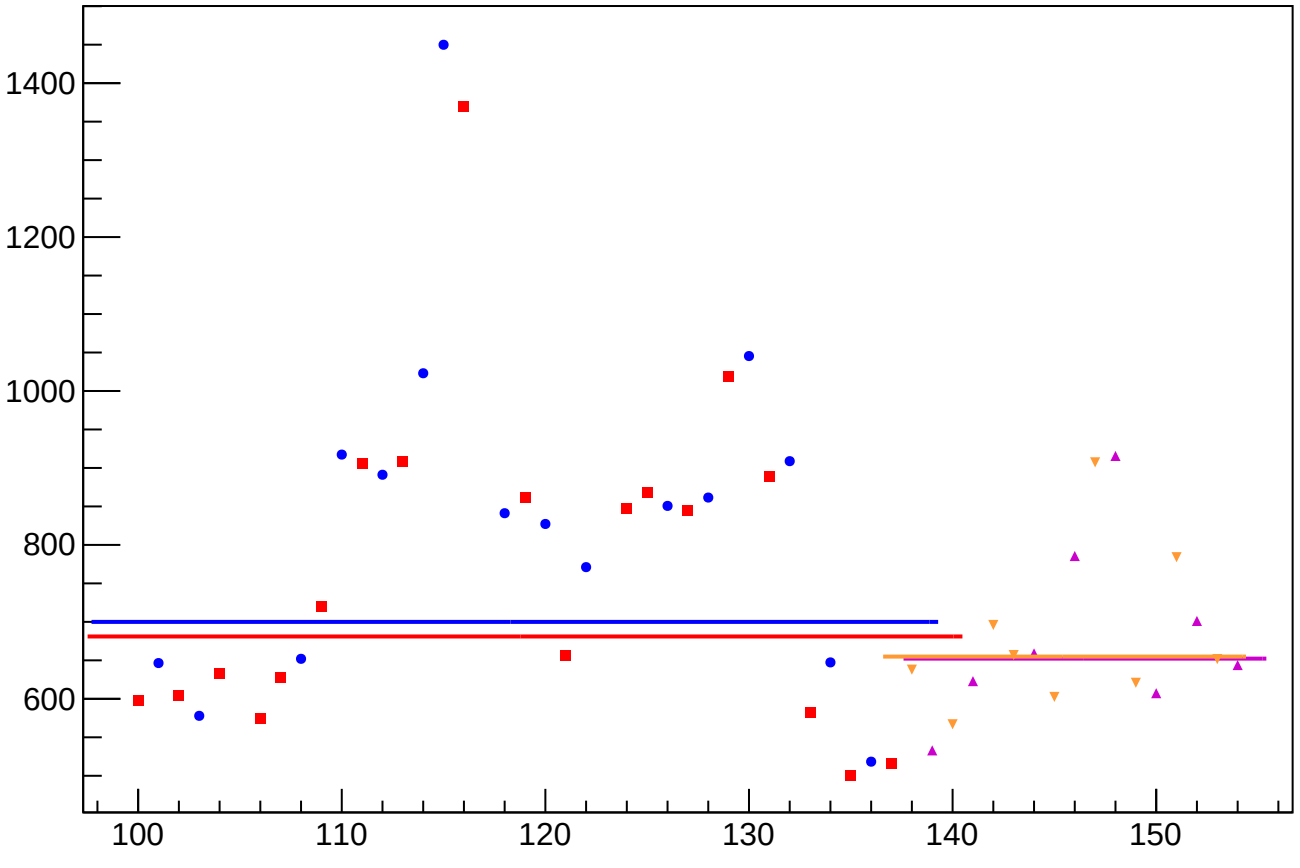
Left: 33.856+/-177.069 χ^2/NDF: 23.1/16

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -299.462+/-182.770 χ^2/NDF:24.3/23

Out: -46.523+/-179.276 χ^2/NDF:26.4/27

All: -170.552+/-127.985 χ^2/NDF: 51.7/51



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: 652.251+/-0.177 χ^2/NDF:291140.8/7

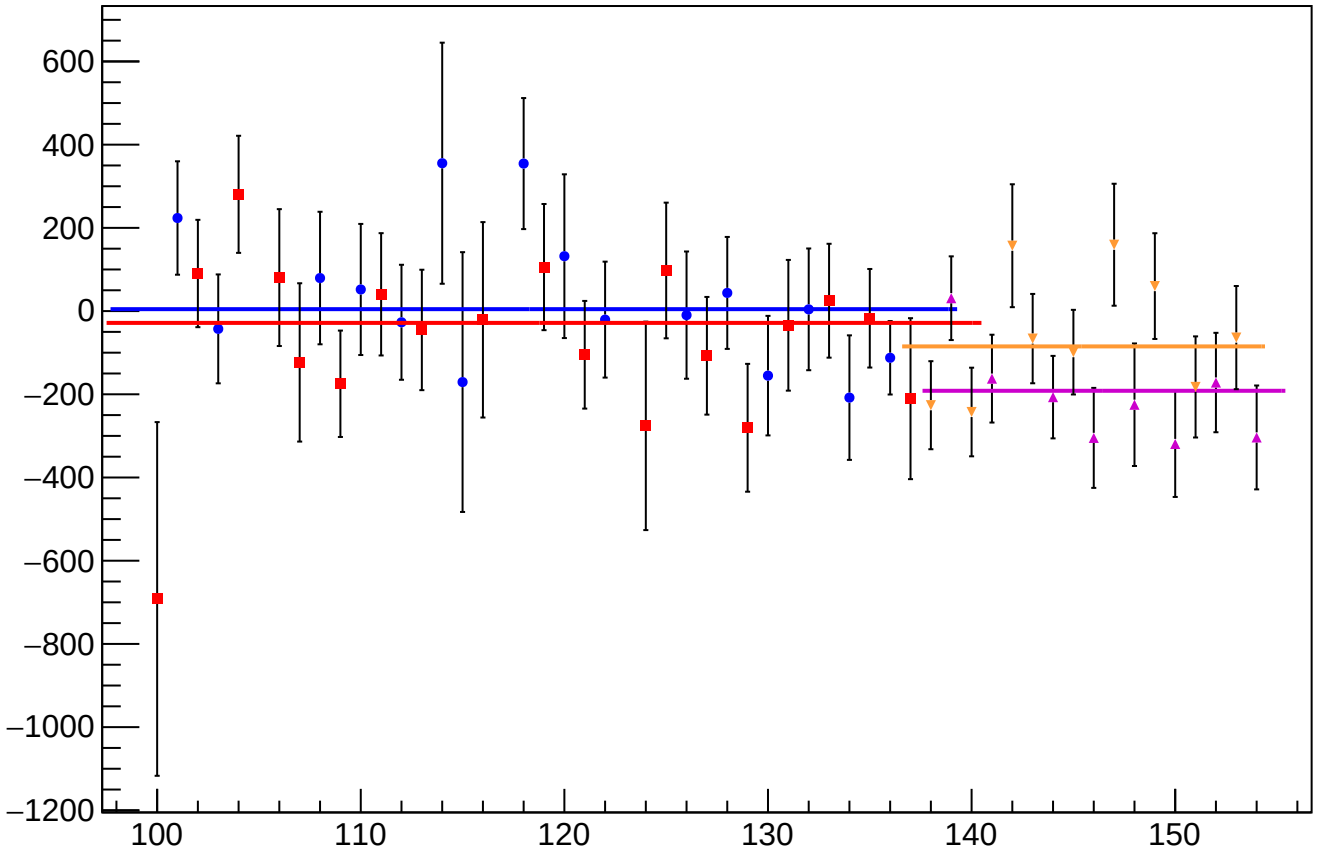
Left: 653.564+/-0.125 χ^2/NDF: 522219.6/16

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 674.527+/-0.129 χ^2/NDF:1078742.9/23

Out: 667.632+/-0.127 χ^2/NDF:1010988.4/27

All: 671.013+/-0.090 χ^2/NDF: 2091181.6/51



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: -191.573+/-40.774 χ^2/NDF:7.8/7

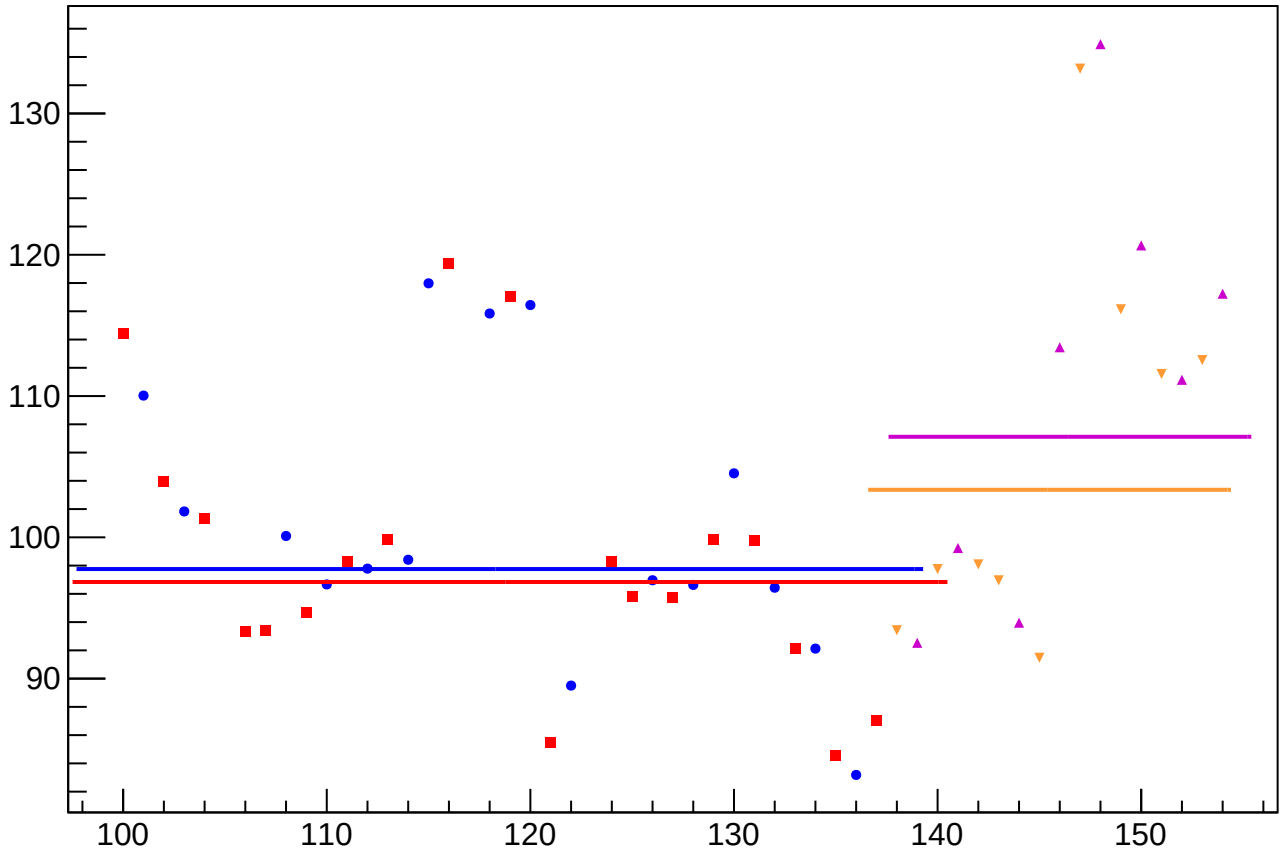
Left: -136.264+/-28.290 χ^2/NDF: 22.8/16

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -82.682+/-27.199 χ^2/NDF:36.0/23

Out: -53.783+/-26.325 χ^2/NDF:29.7/27

All: -67.760+/-18.916 χ^2/NDF: 66.3/51



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: 107.118+/-0.029 χ^2/NDF:203202.3/7

Left: 105.172+/-0.020 χ^2/NDF: 395192.7/16

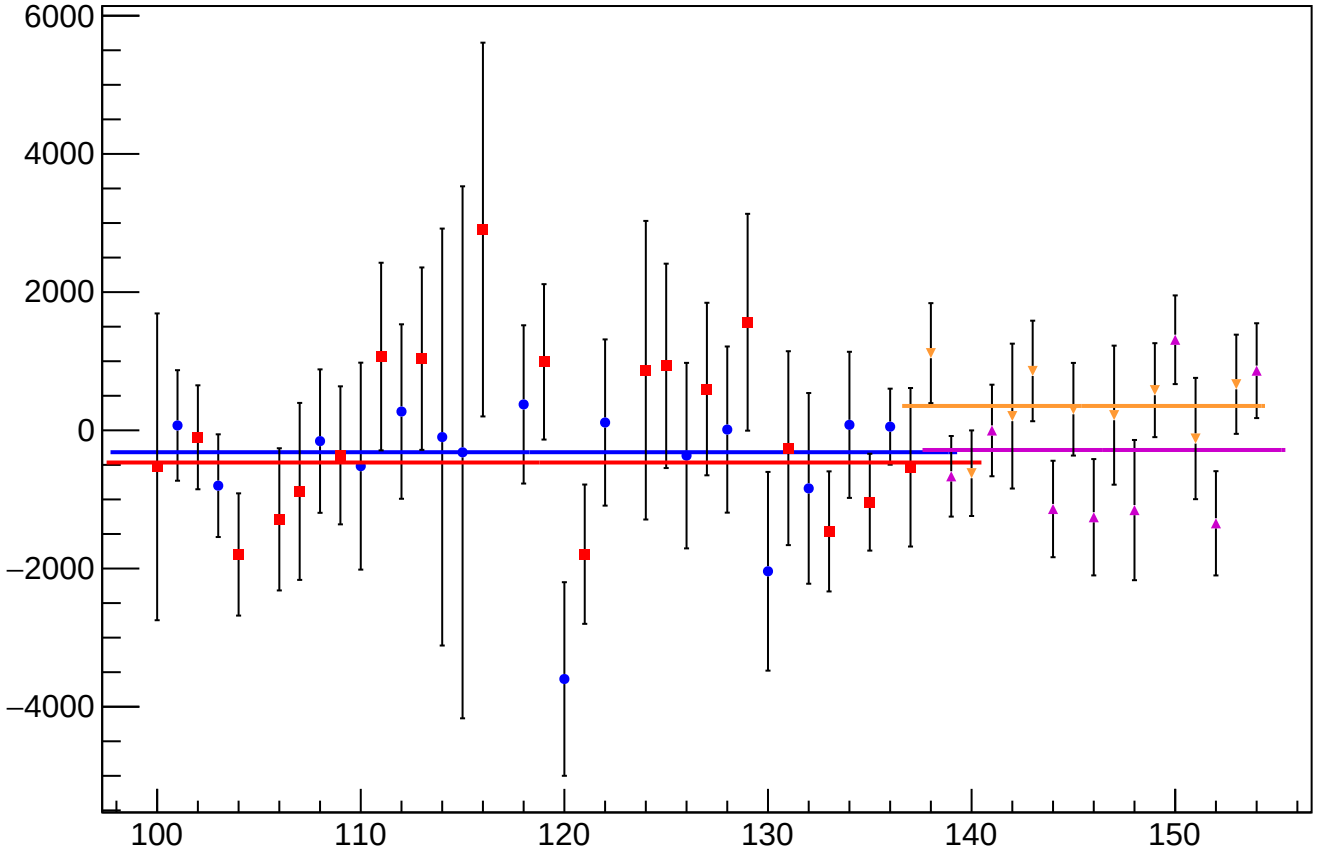
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 101.922+/-0.019 χ^2/NDF:402379.7/23

Out: 99.770+/-0.019 χ^2/NDF:328802.6/27

All: 100.811+/-0.013 χ^2/NDF: 737643.5/51

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 352.808+/-250.534 χ^2/NDF:4.7/8

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -284.486+/-250.294 χ^2/NDF:15.1/7

Left: 33.856+/-177.070 χ^2/NDF: 23.1/16

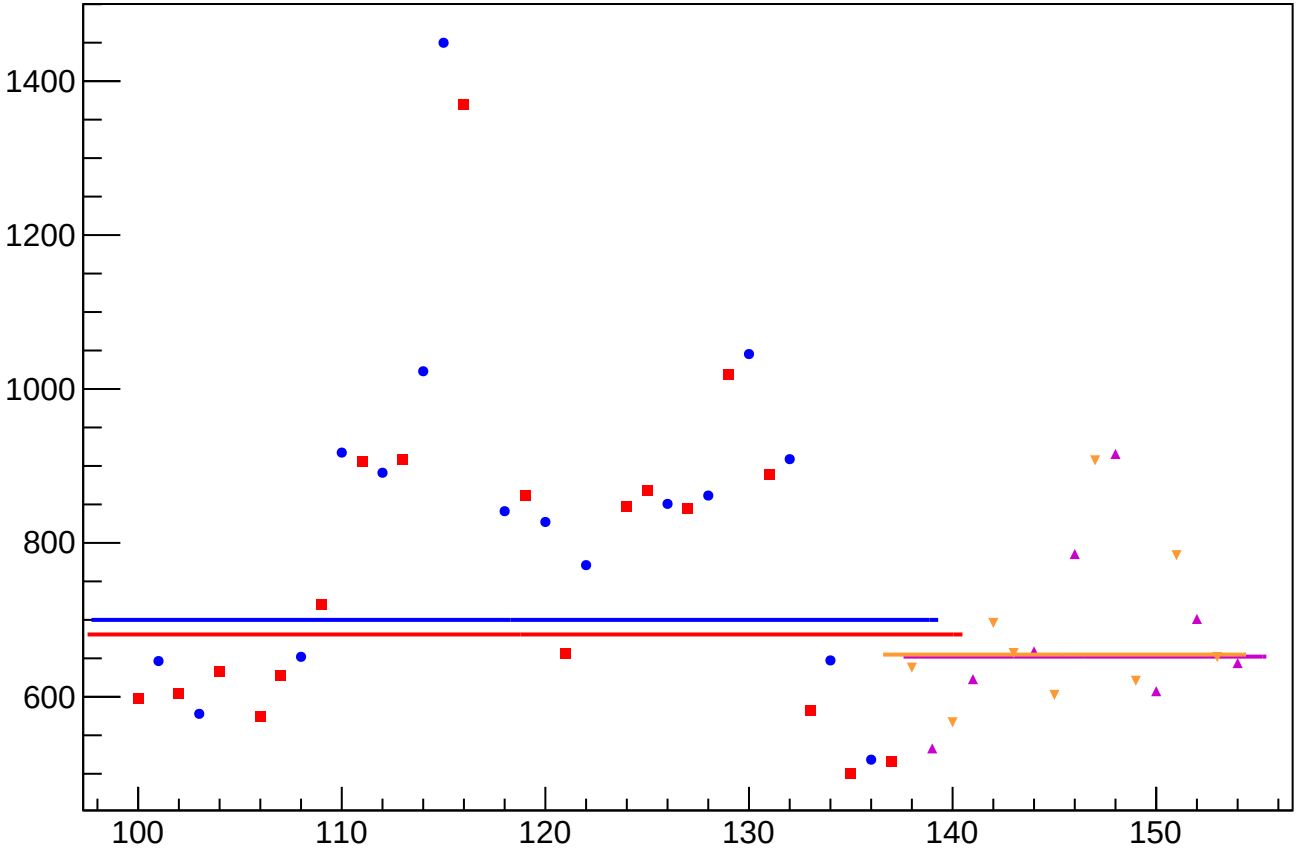
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -299.462+/-182.770 χ^2/NDF:24.3/23

Out: -46.525+/-179.276 χ^2/NDF:26.4/27

All: -170.553+/-127.985 χ^2/NDF: 51.7/51

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 654.879+/-0.177 χ^2/NDF:230968.0/8

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 652.252+/-0.177 χ^2/NDF:291140.4/7

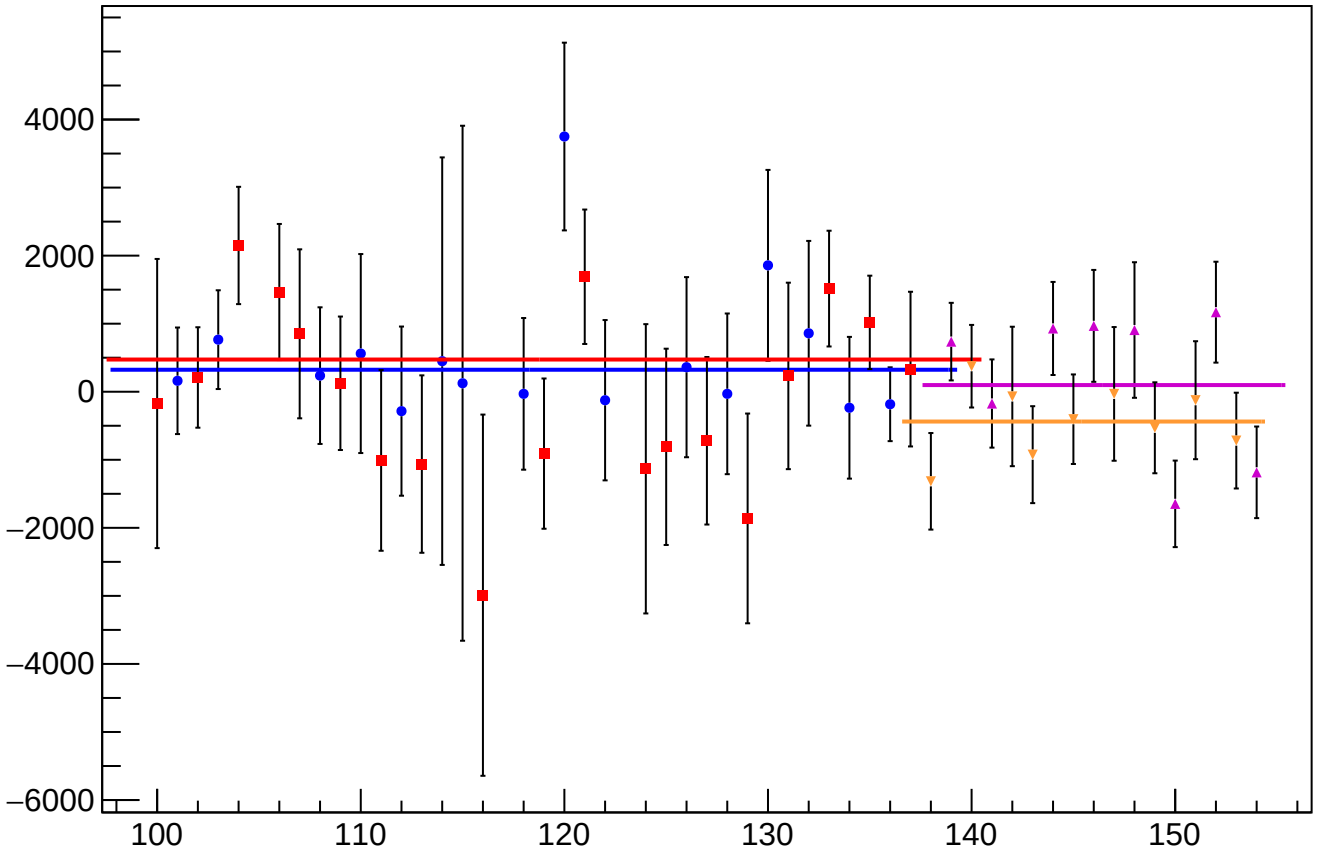
Left: 653.565+/-0.125 χ^2/NDF: 522218.4/16

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 674.527+/-0.129 χ^2/NDF:1078741.5/23

Out: 667.632+/-0.127 χ^2/NDF:1010988.8/27

All: 671.013+/-0.090 χ^2/NDF: 2091180.8/51



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: 97.972+/-245.548 χ^2/NDF:17.9/7

Left: -169.779+/-173.698 χ^2/NDF: 24.7/16

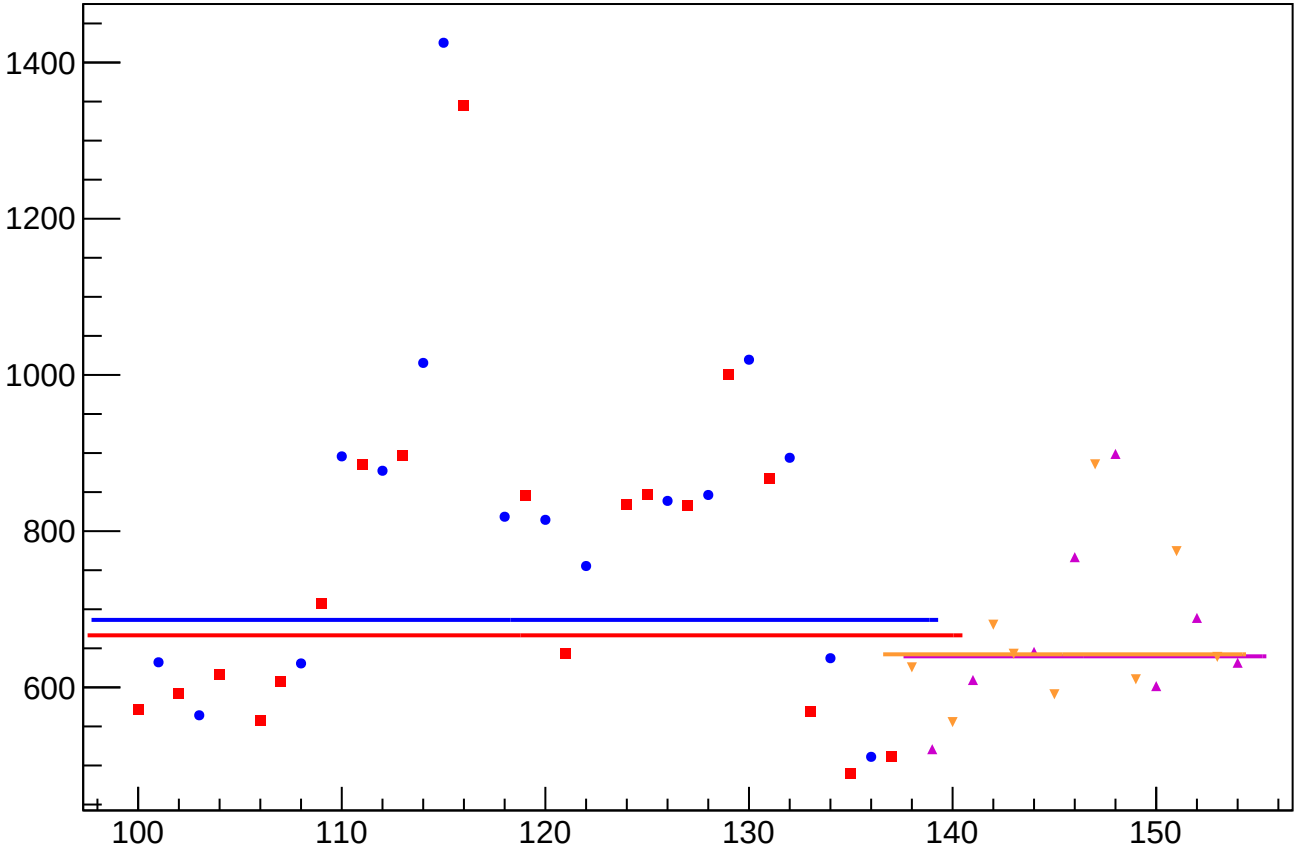
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 203.150+/-179.269 χ^2/NDF:28.1/23

Out: 7.399+/-175.709 χ^2/NDF:30.5/27

All: 103.312+/-125.485 χ^2/NDF: 59.2/51

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: 639.765+/-0.174 χ^2/NDF:290883.8/7

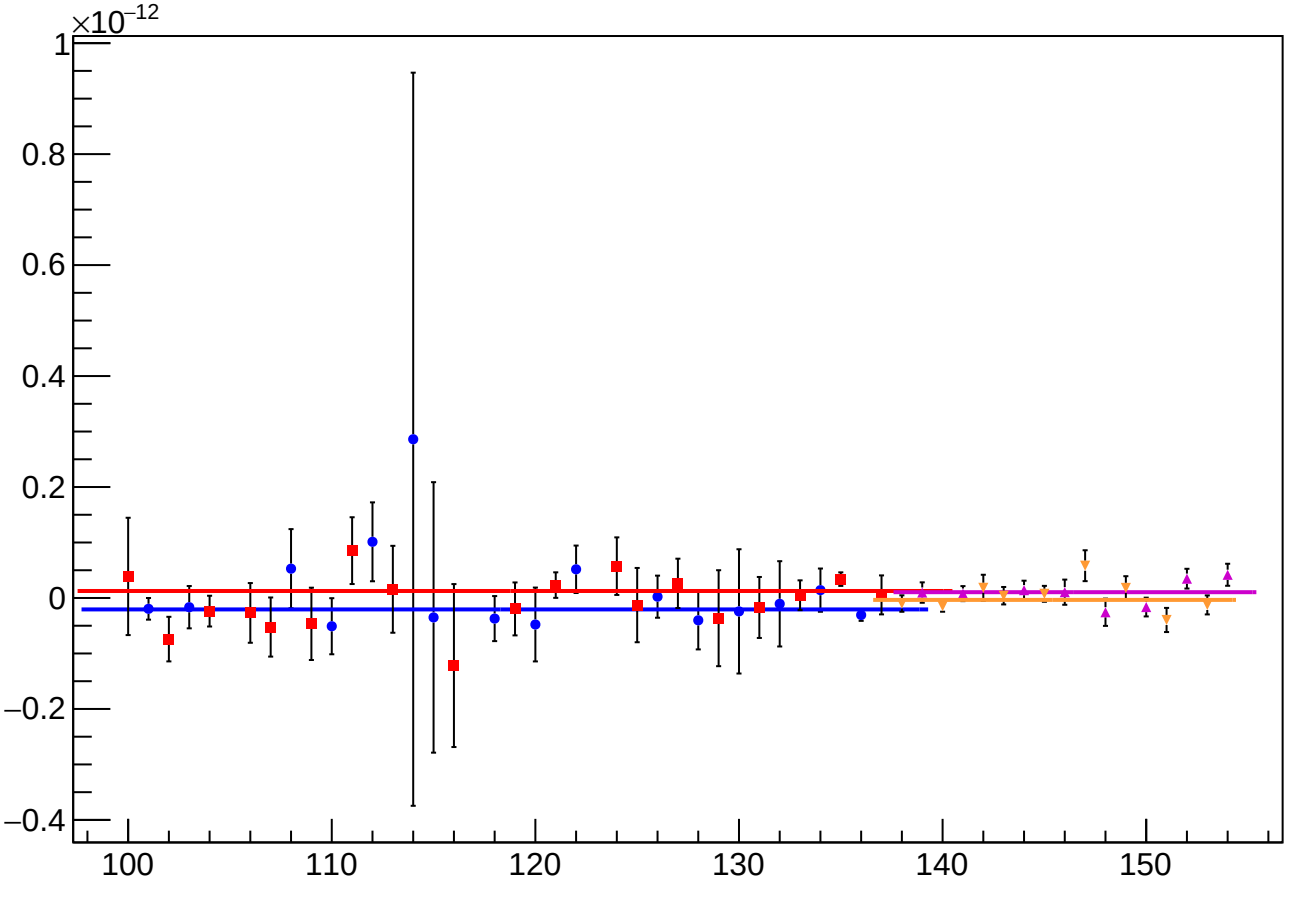
Left: 641.044+/-0.123 χ^2/NDF: 521463.8/16

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 661.540+/-0.127 χ^2/NDF:1074019.7/23

Out: 654.207+/-0.124 χ^2/NDF:1017070.3/27

All: 657.800+/-0.089 χ^2/NDF: 2092796.9/51



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:9.1/7

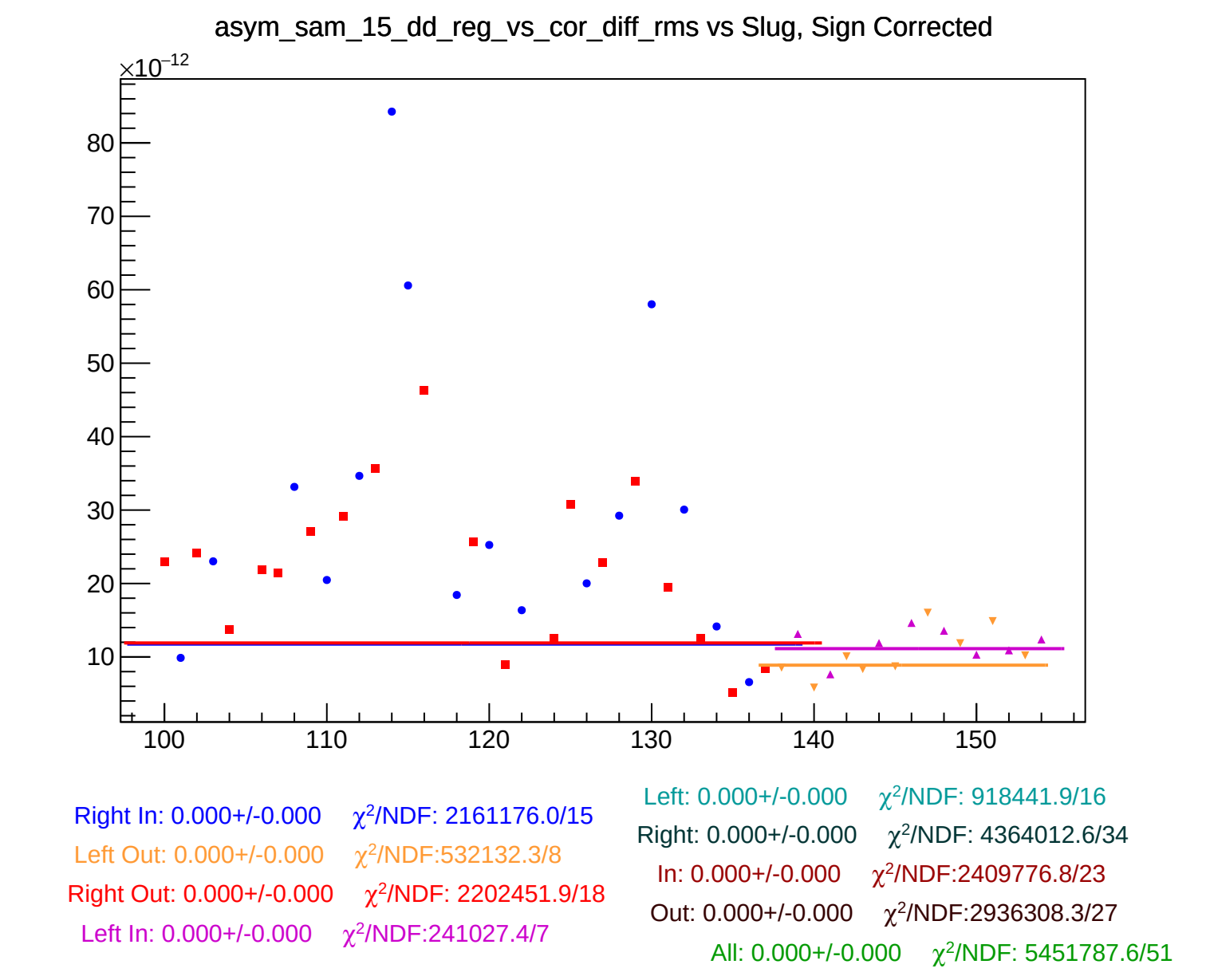
Left: 0.000+/-0.000 χ^2/NDF: 24.1/16

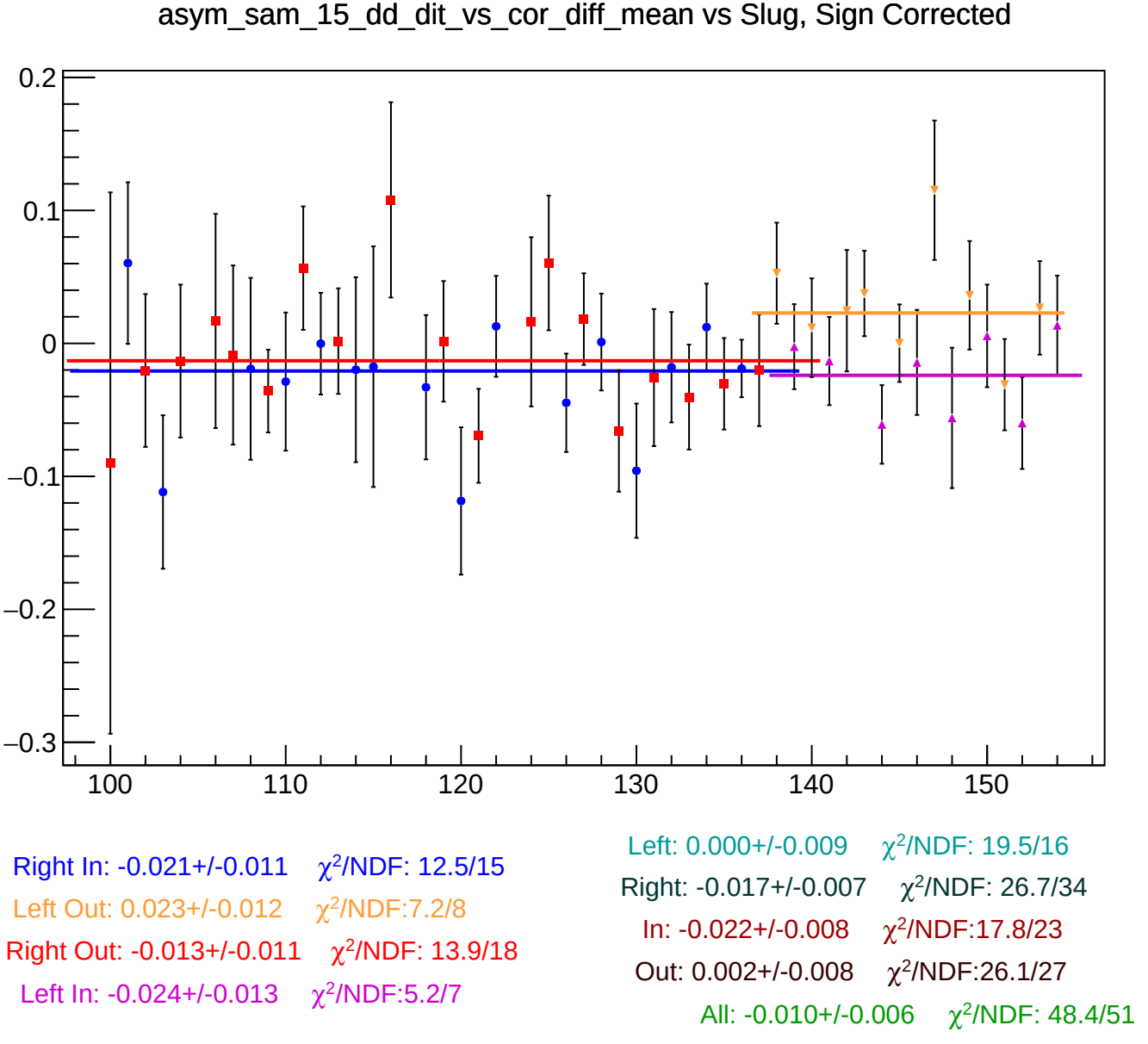
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

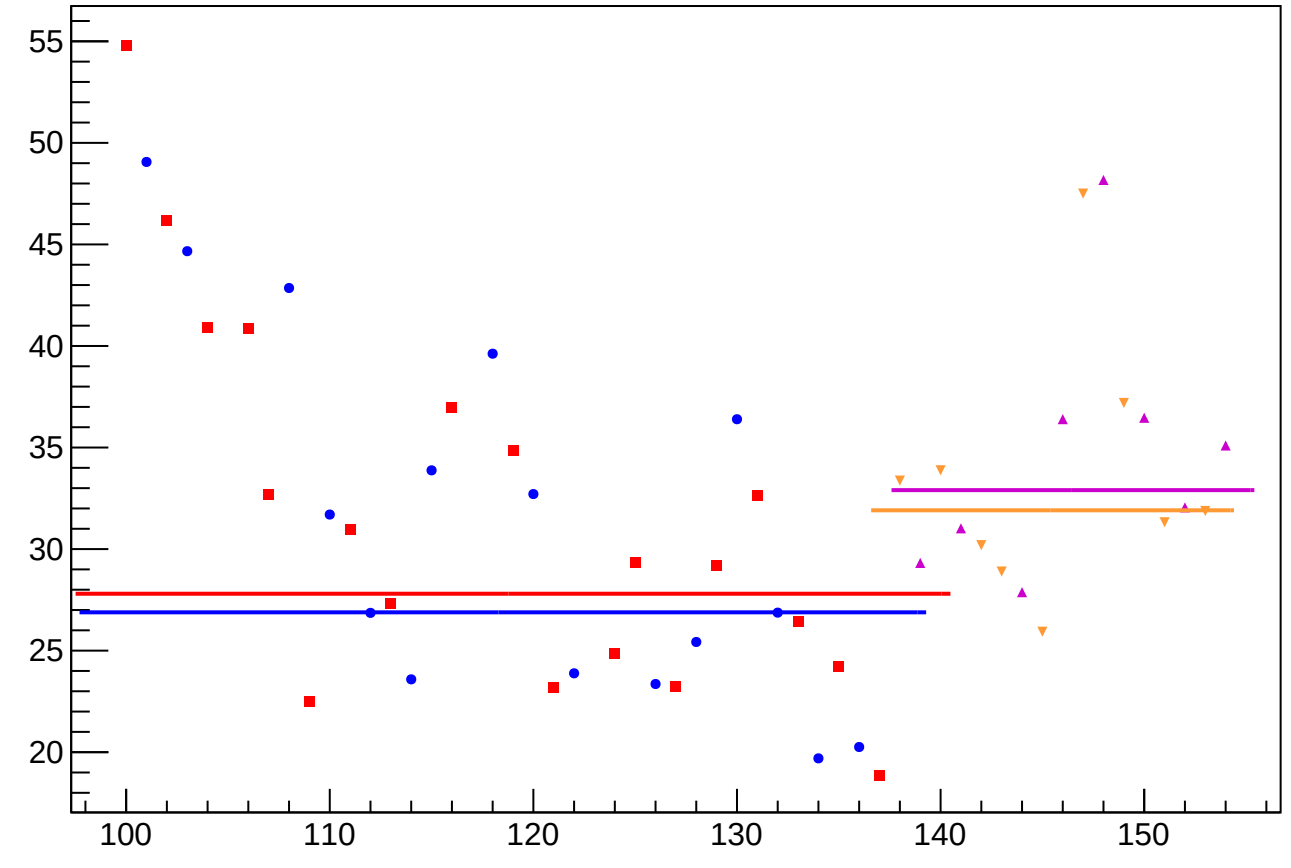
In: -0.000+/-0.000 χ^2/NDF:28.6/23

Out: 0.000+/-0.000 χ^2/NDF:32.0/27

All: 0.000+/-0.000 χ^2/NDF: 61.0/51


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:241027.4/7
Left: 0.000+/-0.000 χ²/NDF: 918441.9/16
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2409776.8/23
Out: 0.000+/-0.000 χ²/NDF:2936308.3/27
All: 0.000+/-0.000 χ²/NDF: 5451787.6/51


asym_sam_15_dd_dit_vs_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: -0.024+/-0.013 χ²/NDF:5.2/7
Left: 0.000+/-0.009 χ²/NDF: 19.5/16
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.022+/-0.008 χ²/NDF:17.8/23
Out: 0.002+/-0.008 χ²/NDF:26.1/27
All: -0.010+/-0.006 χ²/NDF: 48.4/51



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: 32.903+/-0.009 χ^2/NDF:297546.4/7

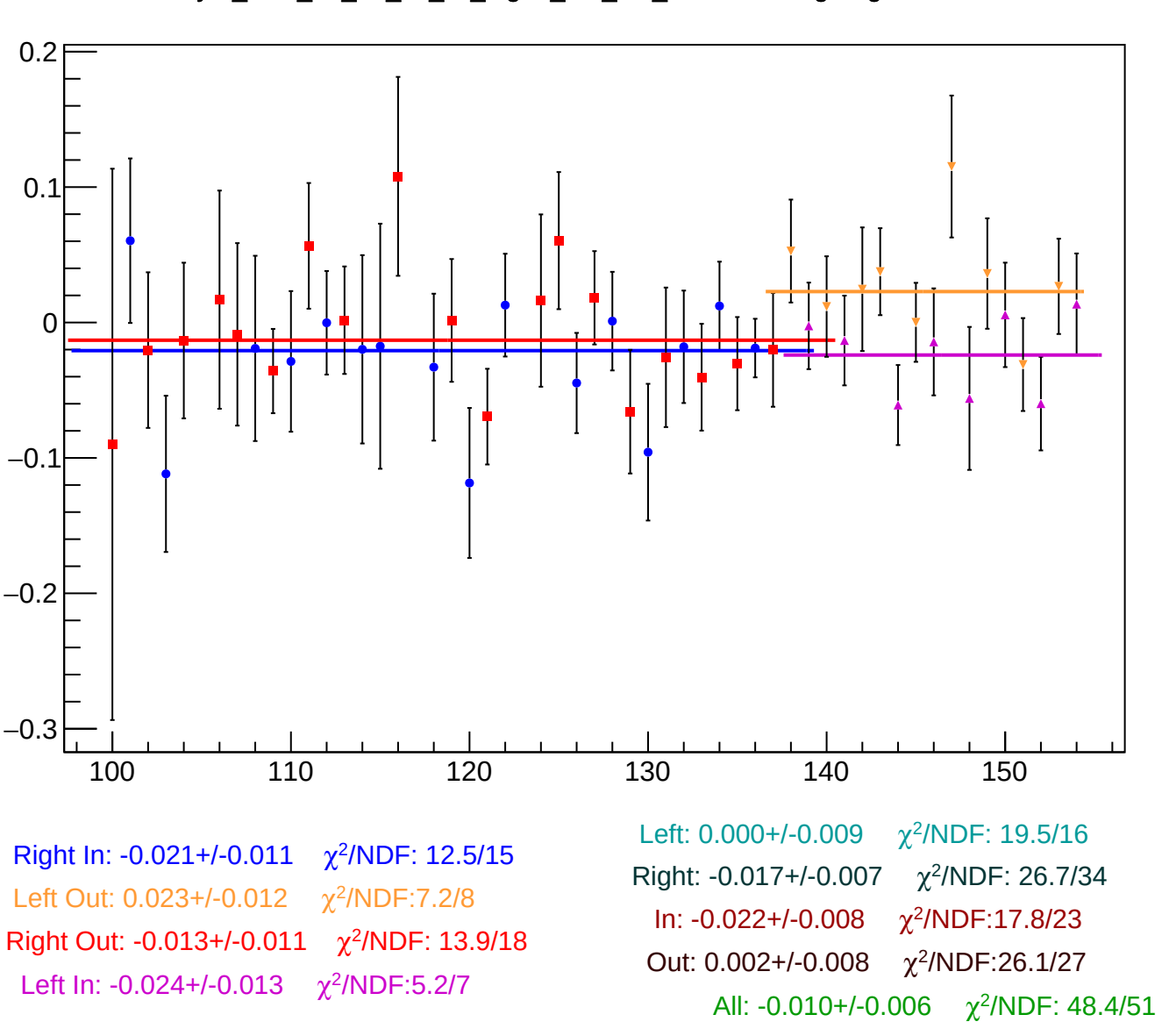
Left: 32.390+/-0.006 χ^2/NDF: 628187.9/16

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

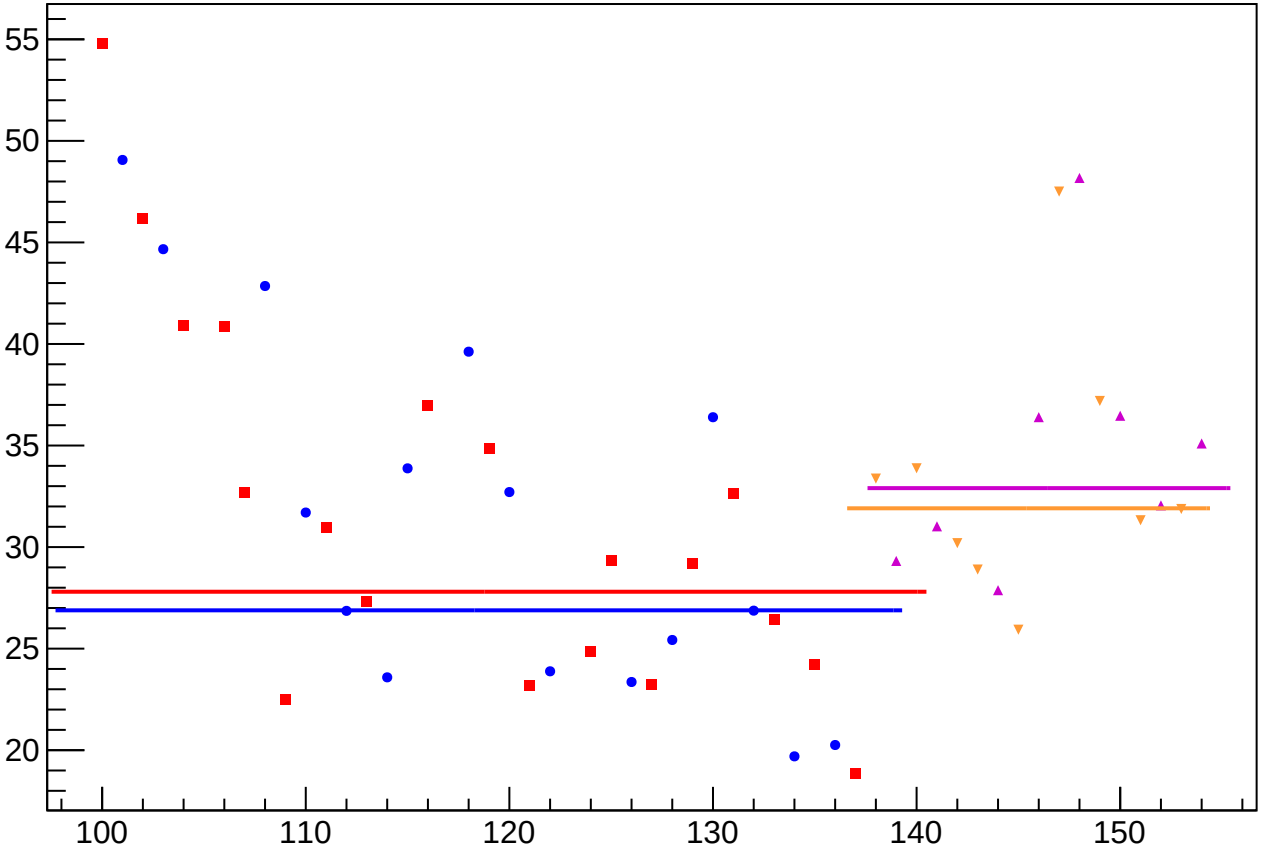
In: 29.345+/-0.006 χ^2/NDF:1686009.3/23

Out: 29.550+/-0.006 χ^2/NDF:1216584.5/27

All: 29.448+/-0.004 χ^2/NDF: 2903243.8/51


asym_sam_15_dd_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: -0.024+/-0.013 χ²/NDF:5.2/7
Left: 0.000+/-0.009 χ²/NDF: 19.5/16
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.022+/-0.008 χ²/NDF:17.8/23
Out: 0.002+/-0.008 χ²/NDF:26.1/27
All: -0.010+/-0.006 χ²/NDF: 48.4/51

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 32.903+/-0.009 χ^2/NDF:297546.4/7

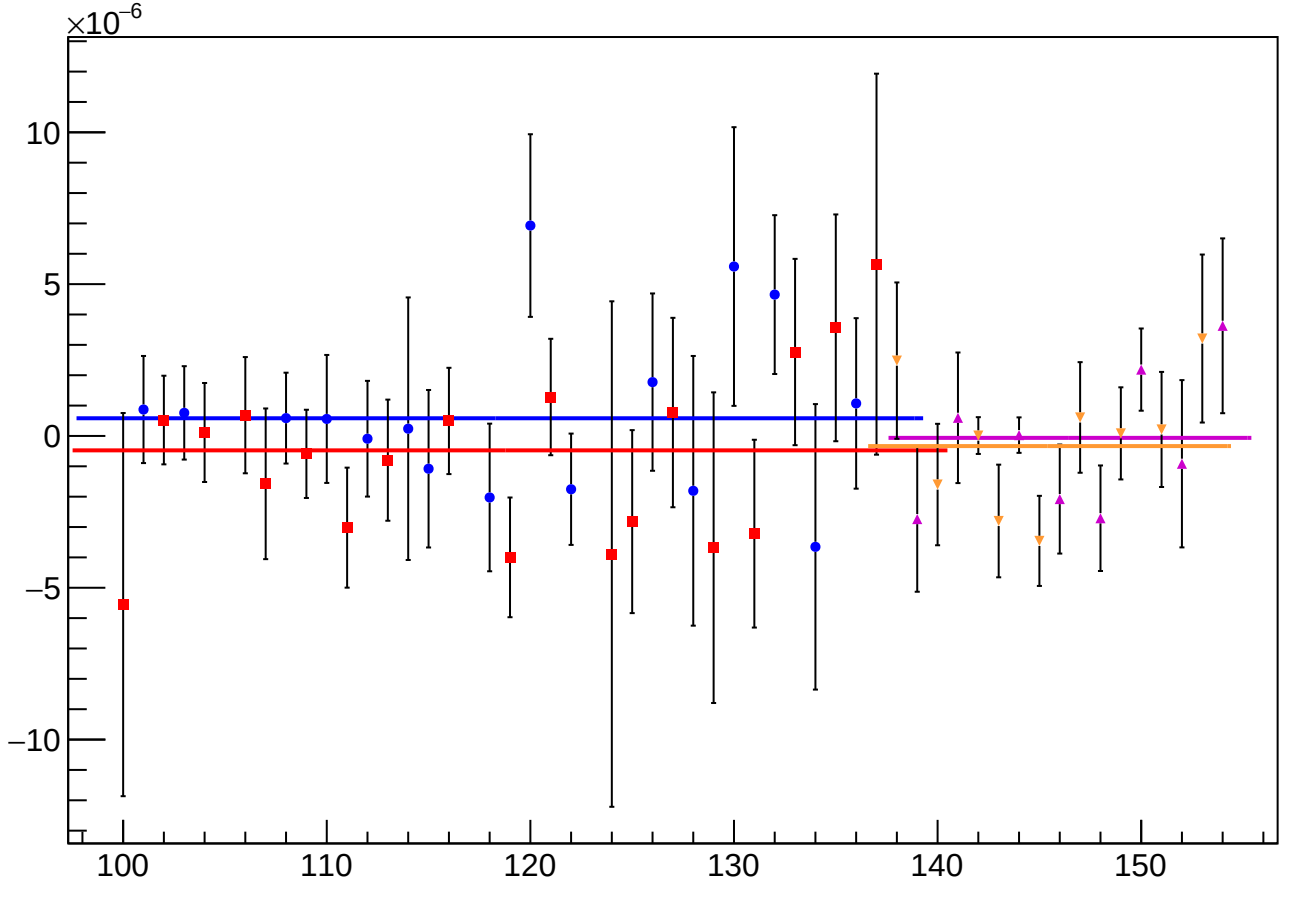
Left: 32.390+/-0.006 χ^2/NDF: 628187.9/16

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.345+/-0.006 χ^2/NDF:1686009.3/23

Out: 29.550+/-0.006 χ^2/NDF:1216584.5/27

All: 29.448+/-0.004 χ^2/NDF: 2903243.8/51



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:9.4/7

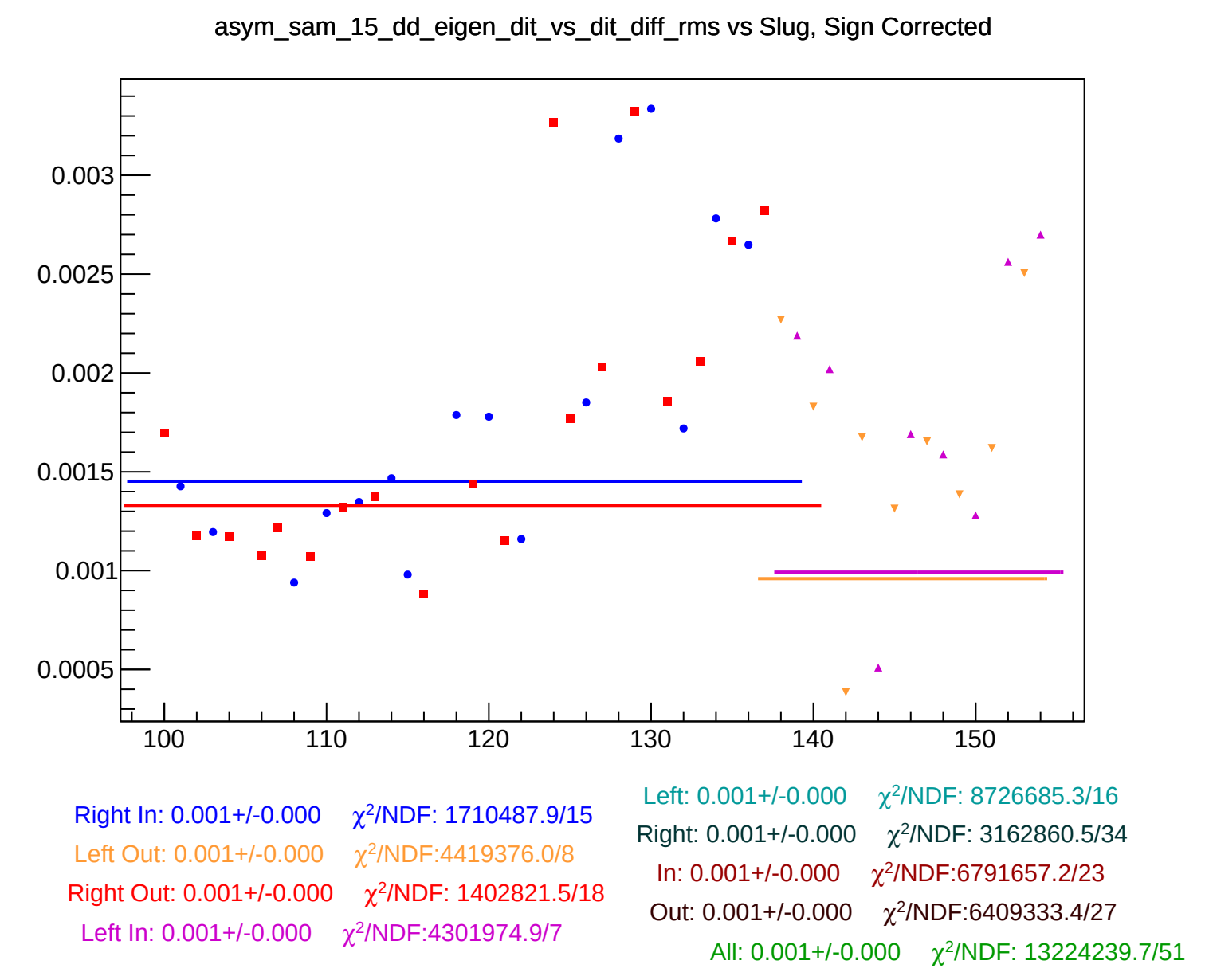
Left: -0.000+/-0.000 χ^2/NDF: 19.8/16

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

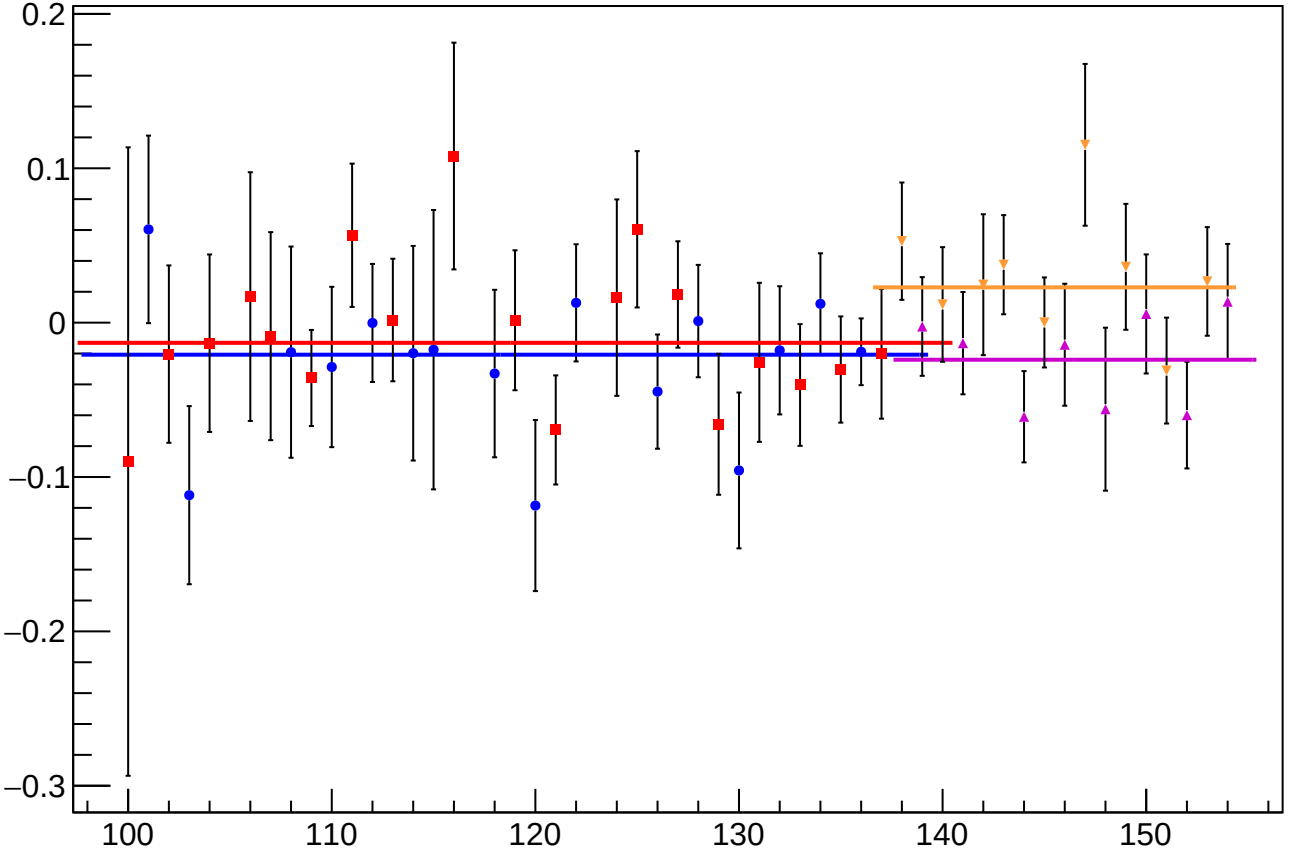
In: 0.000+/-0.000 χ^2/NDF:22.9/23

Out: -0.000+/-0.000 χ^2/NDF:23.4/27

All: -0.000+/-0.000 χ^2/NDF: 47.7/51


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:4301974.9/7
Left: 0.001+/-0.000 χ²/NDF: 8726685.3/16
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:6791657.2/23
Out: 0.001+/-0.000 χ²/NDF:6409333.4/27
All: 0.001+/-0.000 χ²/NDF: 13224239.7/51

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.012 χ^2/NDF:7.2/8

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.024+/-0.013 χ^2/NDF:5.2/7

Left: 0.000+/-0.009 χ^2/NDF: 19.5/16

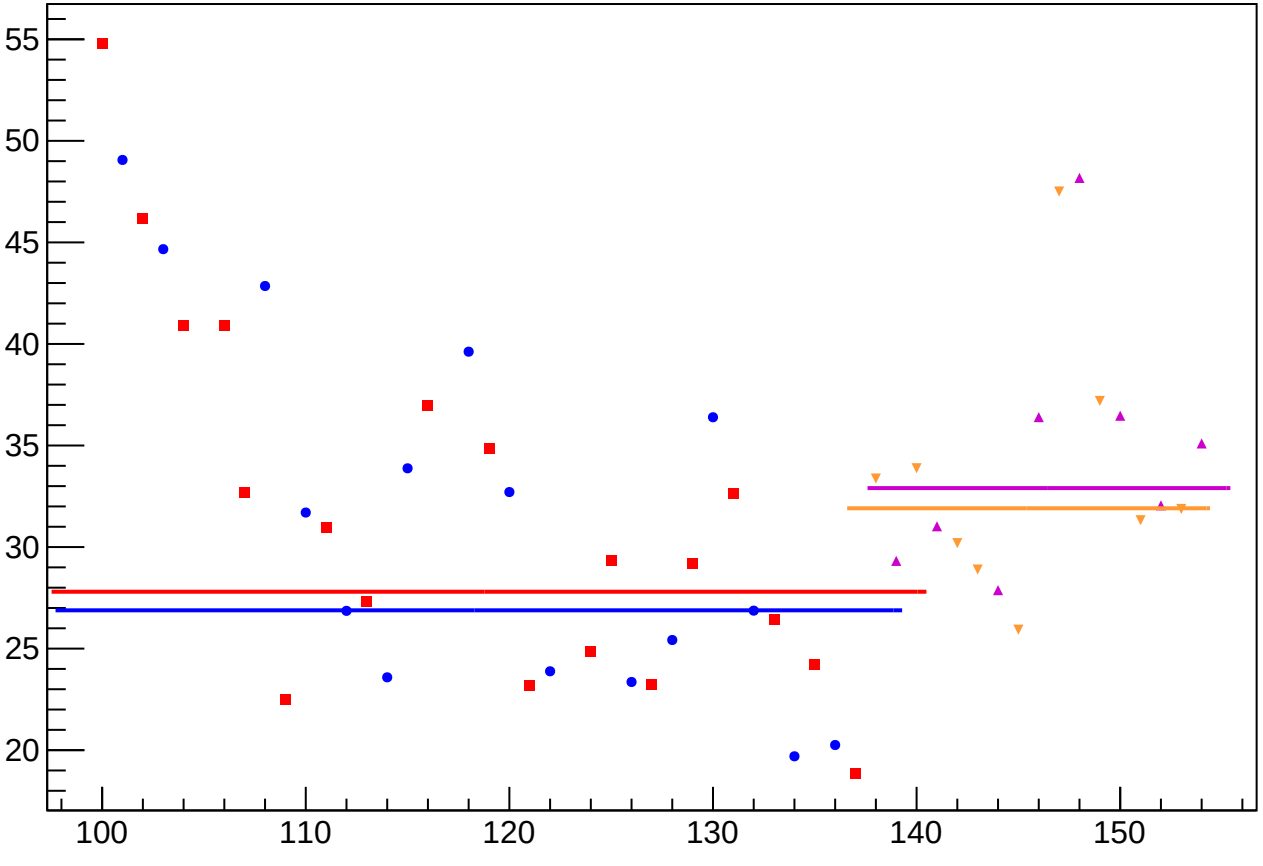
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.008 χ^2/NDF:17.8/23

Out: 0.002+/-0.008 χ^2/NDF:26.1/27

All: -0.010+/-0.006 χ^2/NDF: 48.4/51

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.909+/-0.009 χ^2/NDF:324323.9/8

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.903+/-0.009 χ^2/NDF:297554.5/7

Left: 32.391+/-0.006 χ^2/NDF: 628253.0/16

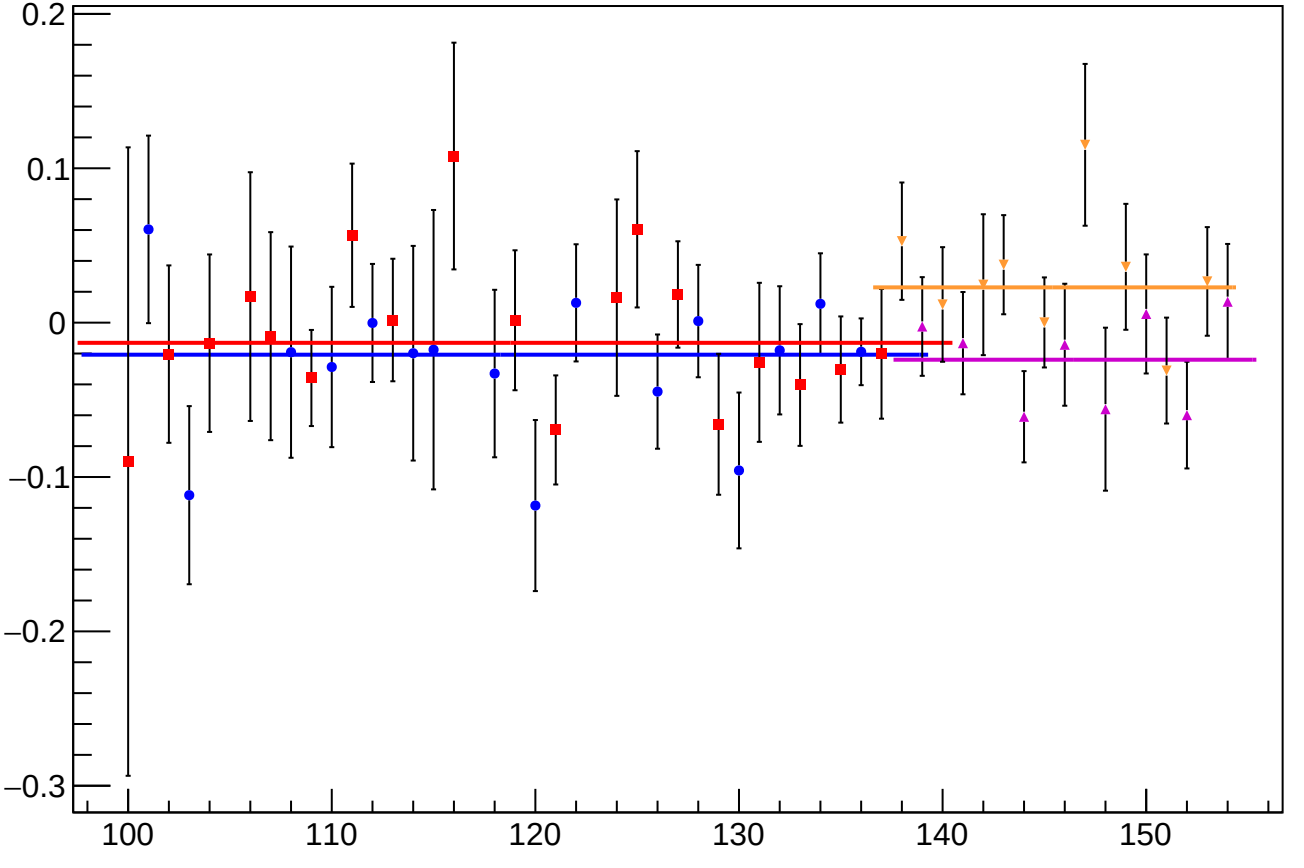
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.344+/-0.006 χ^2/NDF:1686157.7/23

Out: 29.549+/-0.006 χ^2/NDF:1216843.8/27

All: 29.448+/-0.004 χ^2/NDF: 2903649.3/51

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.012 χ^2/NDF:7.2/8

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.024+/-0.013 χ^2/NDF:5.2/7

Left: 0.000+/-0.009 χ^2/NDF: 19.5/16

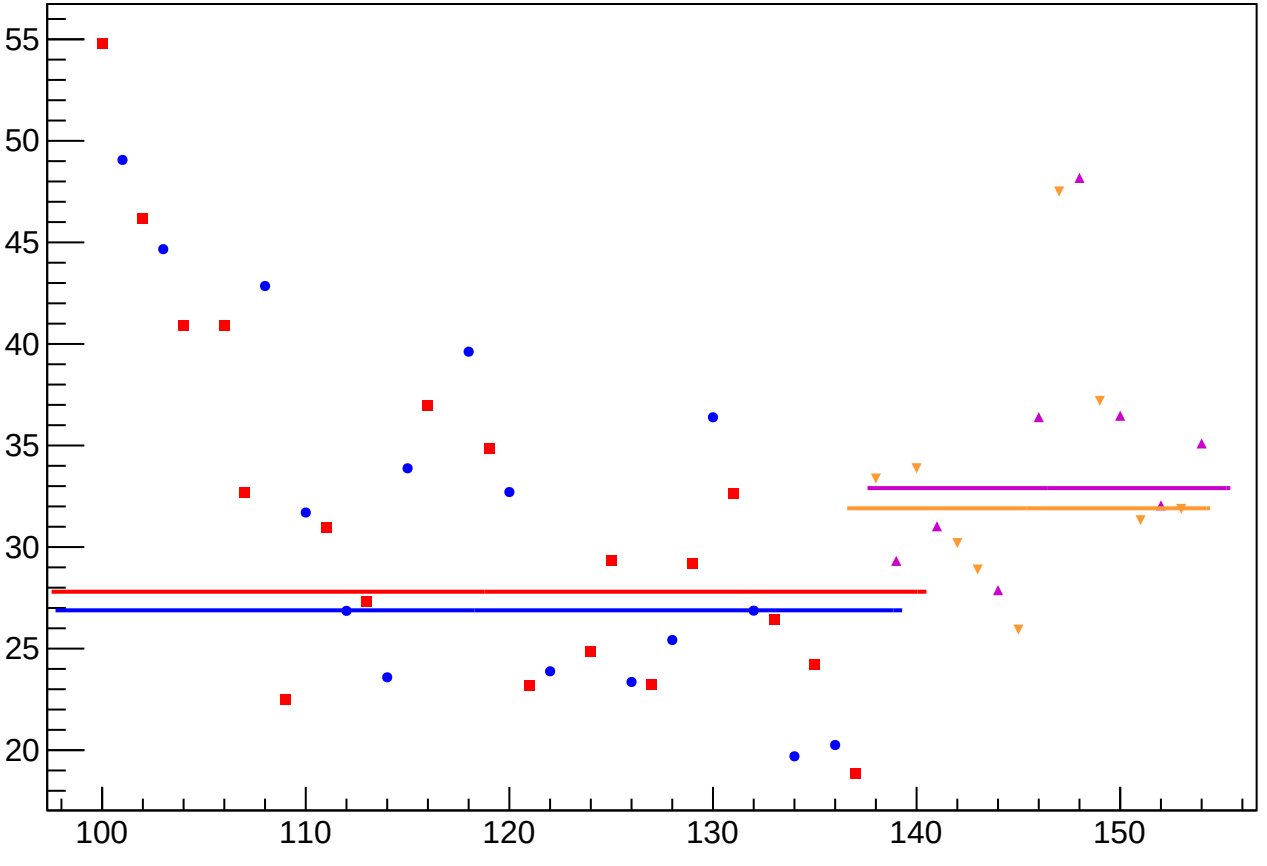
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.008 χ^2/NDF:17.8/23

Out: 0.002+/-0.008 χ^2/NDF:26.1/27

All: -0.010+/-0.006 χ^2/NDF: 48.4/51

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: 32.903+/-0.009 χ^2/NDF:297554.5/7

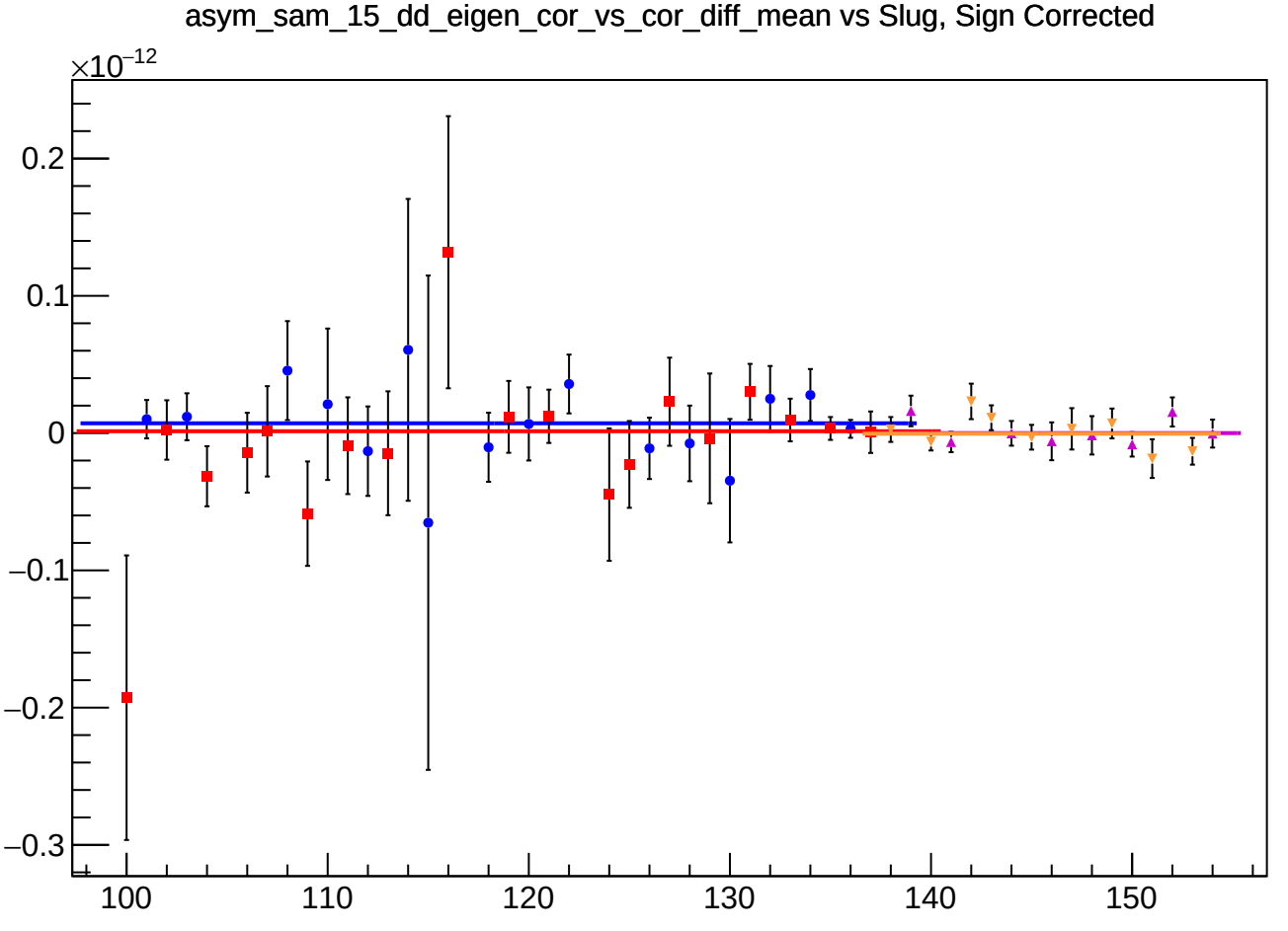
Left: 32.391+/-0.006 χ^2/NDF: 628253.0/16

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.344+/-0.006 χ^2/NDF:1686157.7/23

Out: 29.549+/-0.006 χ^2/NDF:1216843.8/27

All: 29.448+/-0.004 χ^2/NDF: 2903649.3/51



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:6.0/7

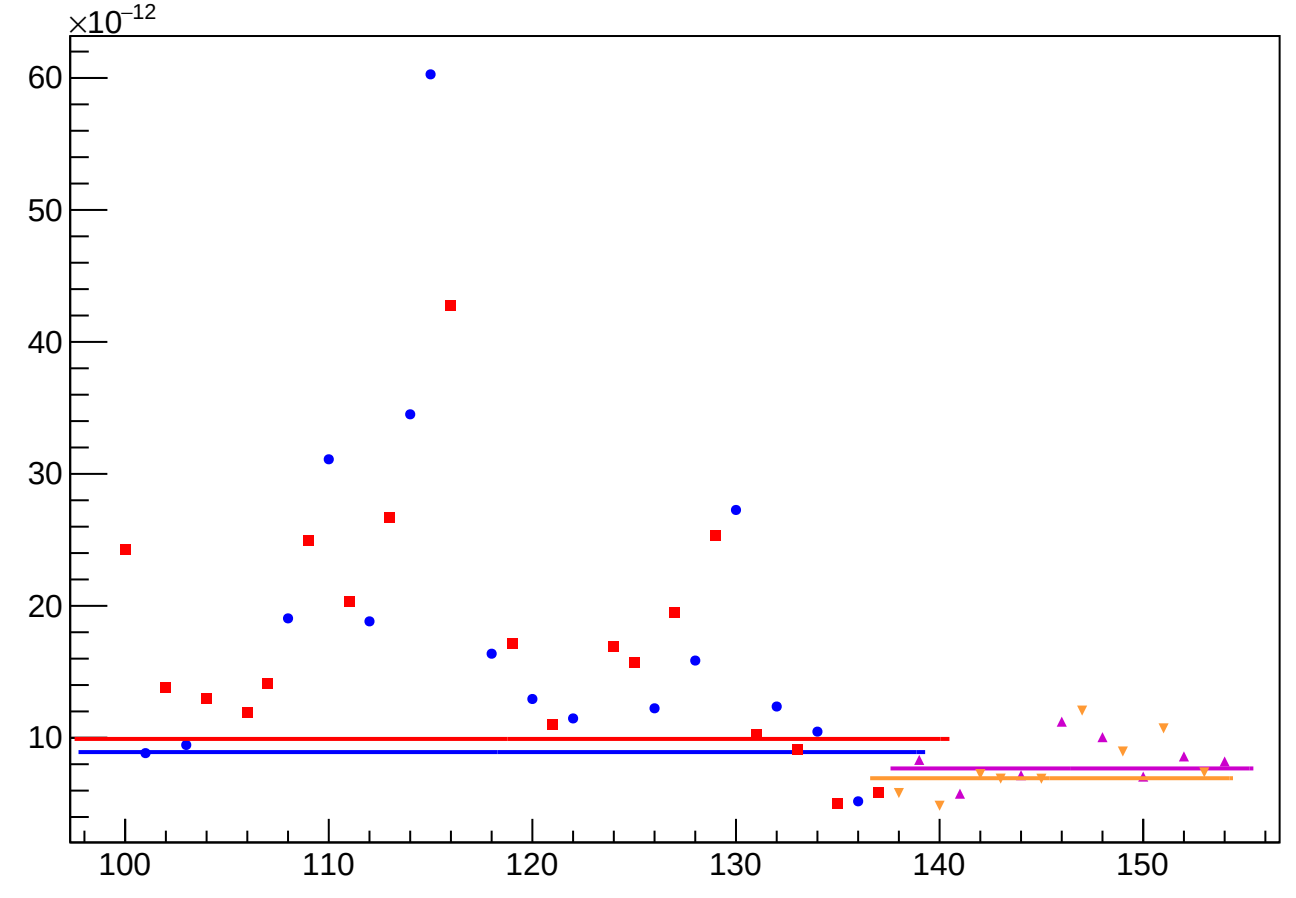
Left: -0.000+/-0.000 χ^2/NDF: 15.9/16

Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:15.9/23

Out: 0.000+/-0.000 χ^2/NDF:25.2/27

All: 0.000+/-0.000 χ^2/NDF: 41.5/51



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:366624.6/7

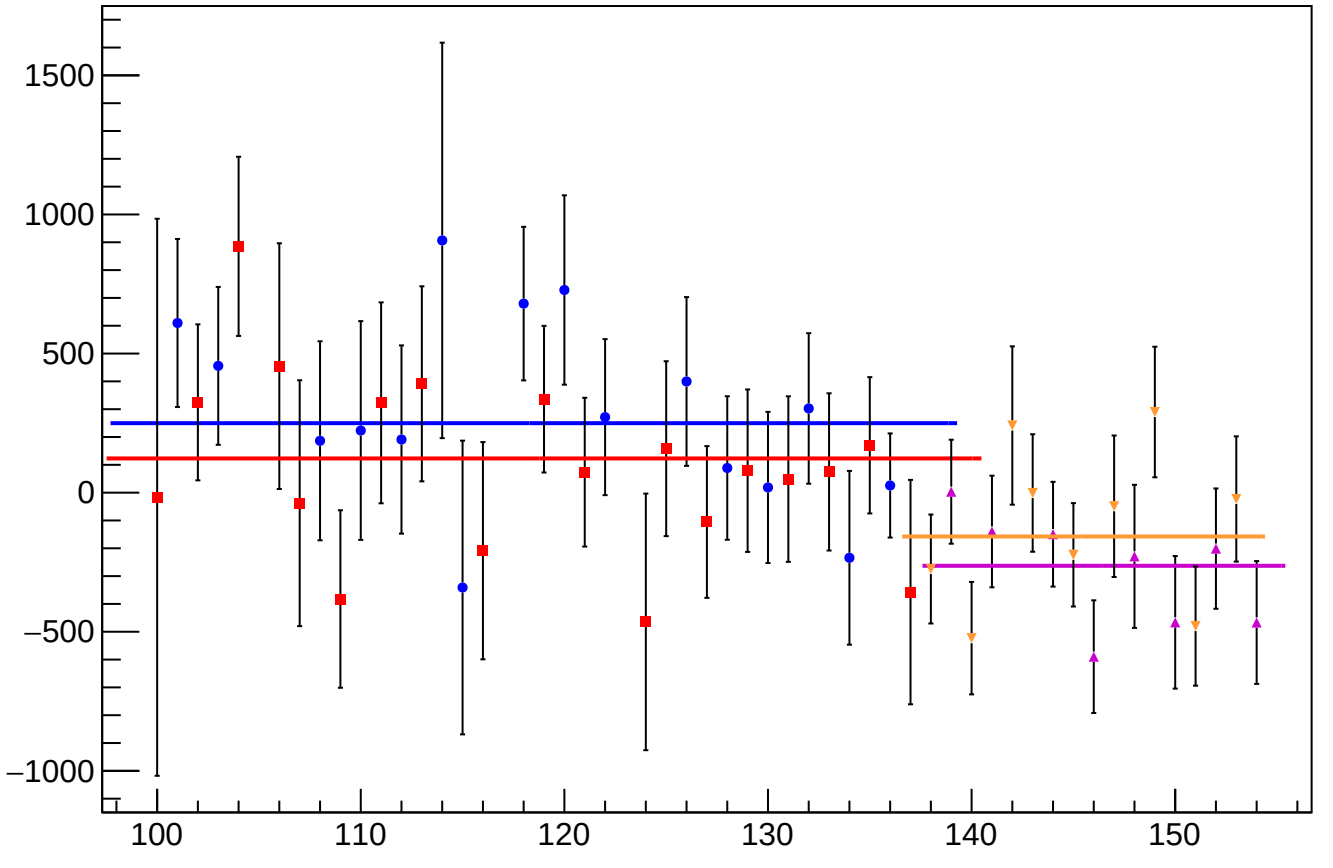
Left: 0.000+/-0.000 χ^2/NDF: 1106001.6/16

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:2861335.9/23

Out: 0.000+/-0.000 χ^2/NDF:3868362.5/27

All: 0.000+/-0.000 χ^2/NDF: 6742456.6/51



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: -262.888+/-74.391 χ^2/NDF:7.1/7

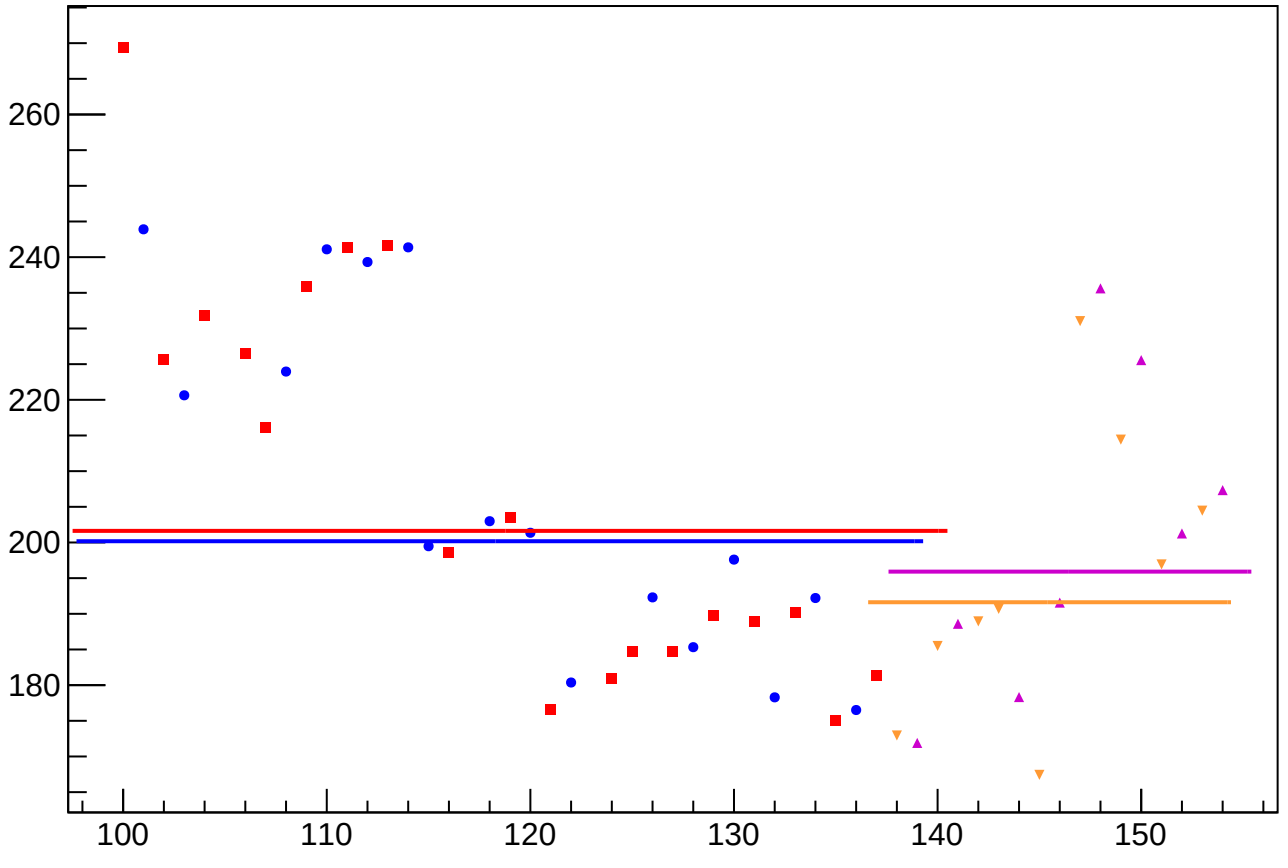
Left: -208.991+/-51.981 χ^2/NDF: 20.8/16

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -8.232+/-52.774 χ^2/NDF:44.4/23

Out: -20.540+/-51.974 χ^2/NDF:35.5/27

All: -14.480+/-37.031 χ^2/NDF: 80.0/51



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: 195.915+/-0.053 χ^2/NDF:139293.9/7

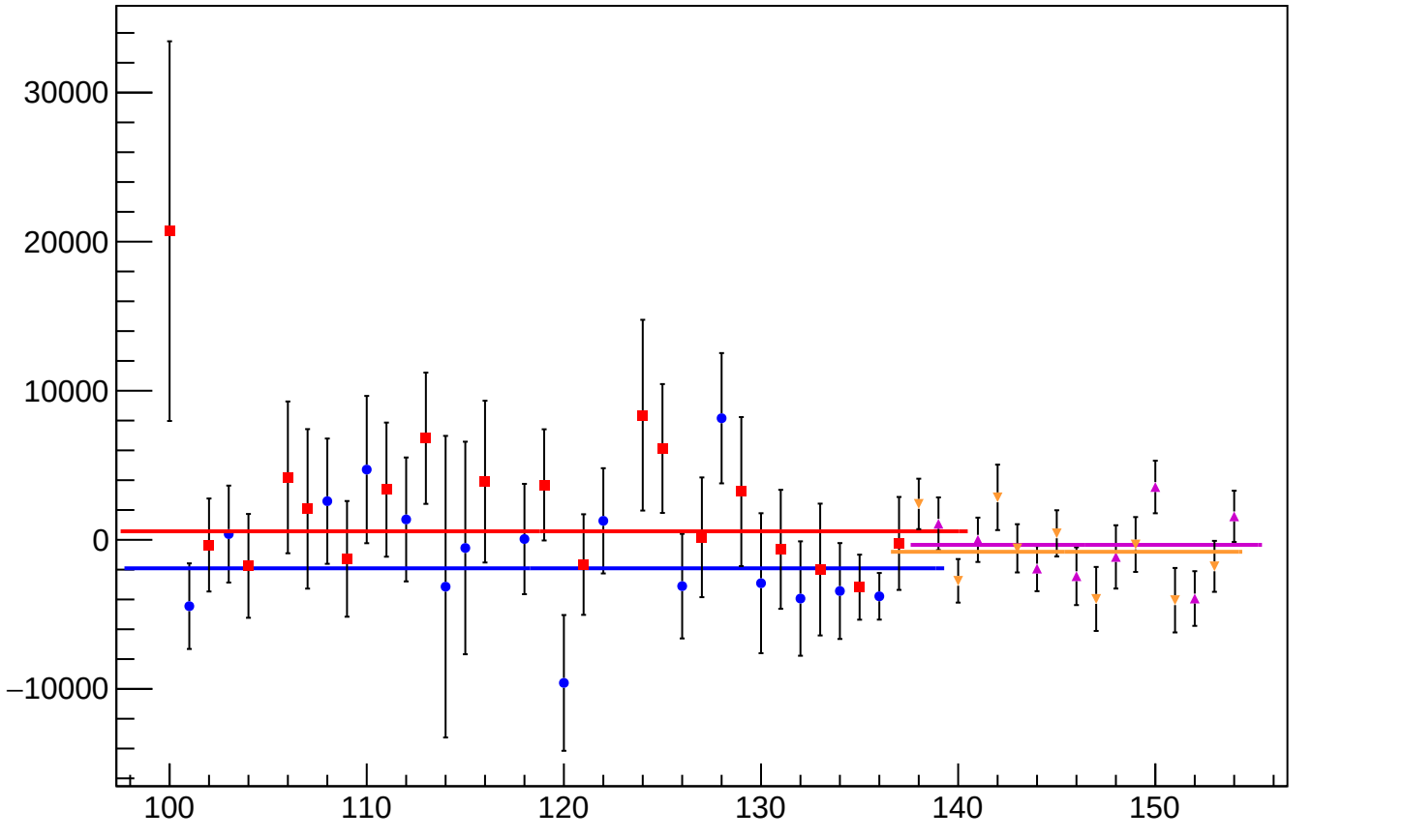
Left: 193.719+/-0.037 χ^2/NDF: 271490.8/16

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 198.032+/-0.037 χ^2/NDF:323555.5/23

Out: 196.509+/-0.037 χ^2/NDF:344549.4/27

All: 197.259+/-0.026 χ^2/NDF: 668950.5/51



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: -338.272+/-613.932 χ^2/NDF:13.1/7

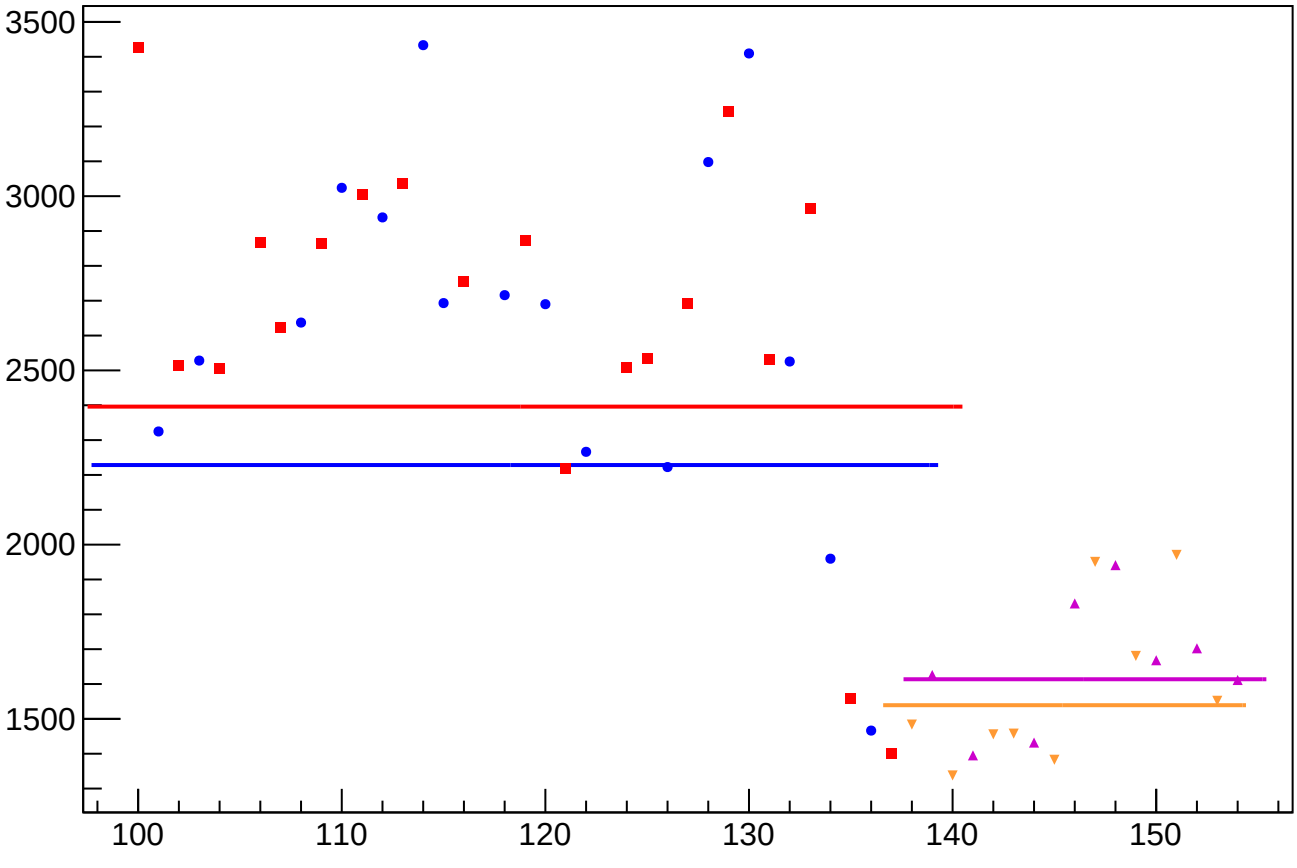
Left: -580.499+/-424.633 χ^2/NDF: 27.0/16

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -869.720+/-499.495 χ^2/NDF:31.5/23

Out: -392.075+/-492.301 χ^2/NDF:29.9/27

All: -627.434+/-350.625 χ^2/NDF: 61.9/51



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: 1613.686+/-0.434 χ^2/NDF:151416.0/7

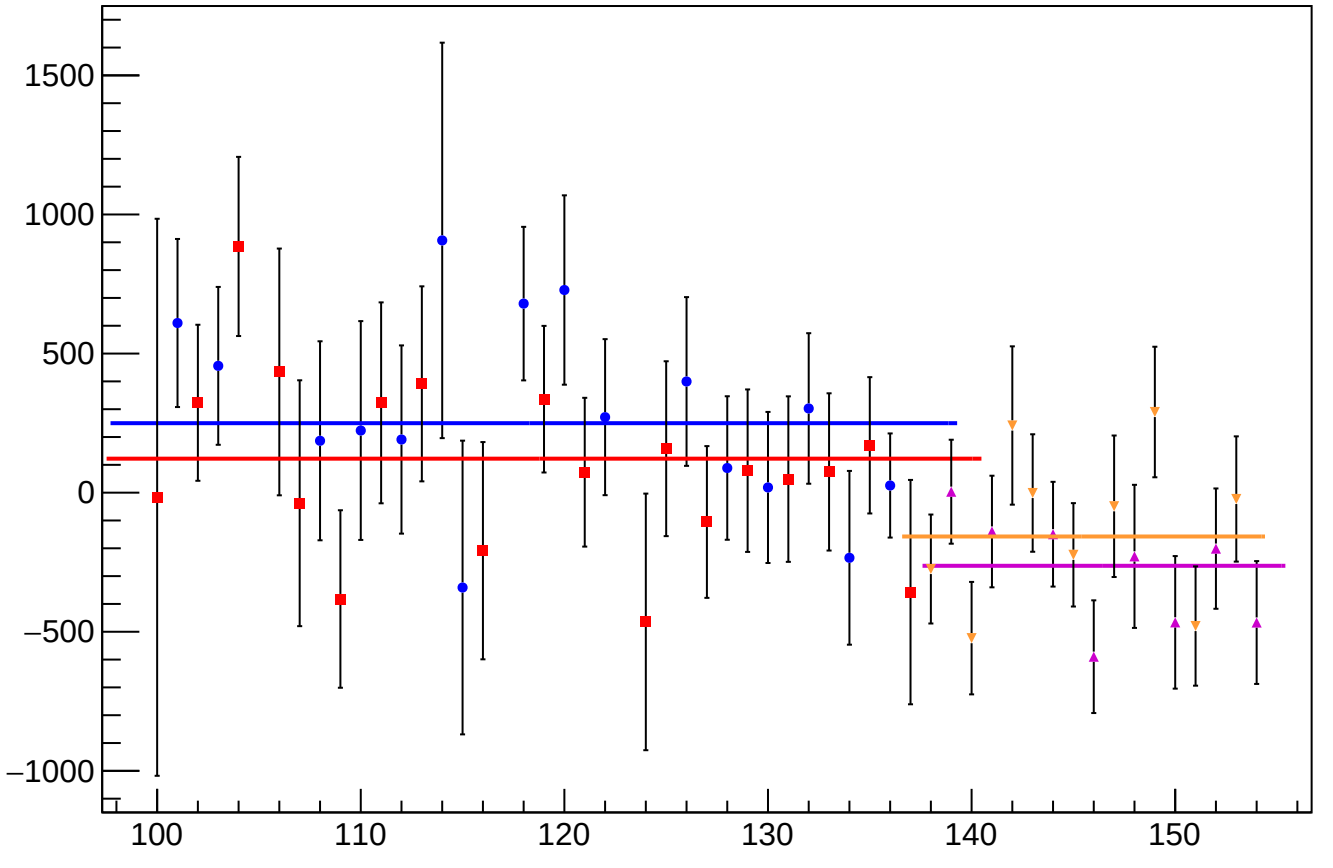
Left: 1574.851+/-0.300 χ^2/NDF: 400350.6/16

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1821.503+/-0.353 χ^2/NDF:1776974.0/23

Out: 1795.353+/-0.348 χ^2/NDF:2302700.7/27

All: 1808.239+/-0.248 χ^2/NDF: 4082455.3/51



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: -262.887+/-74.391 χ^2/NDF:7.1/7

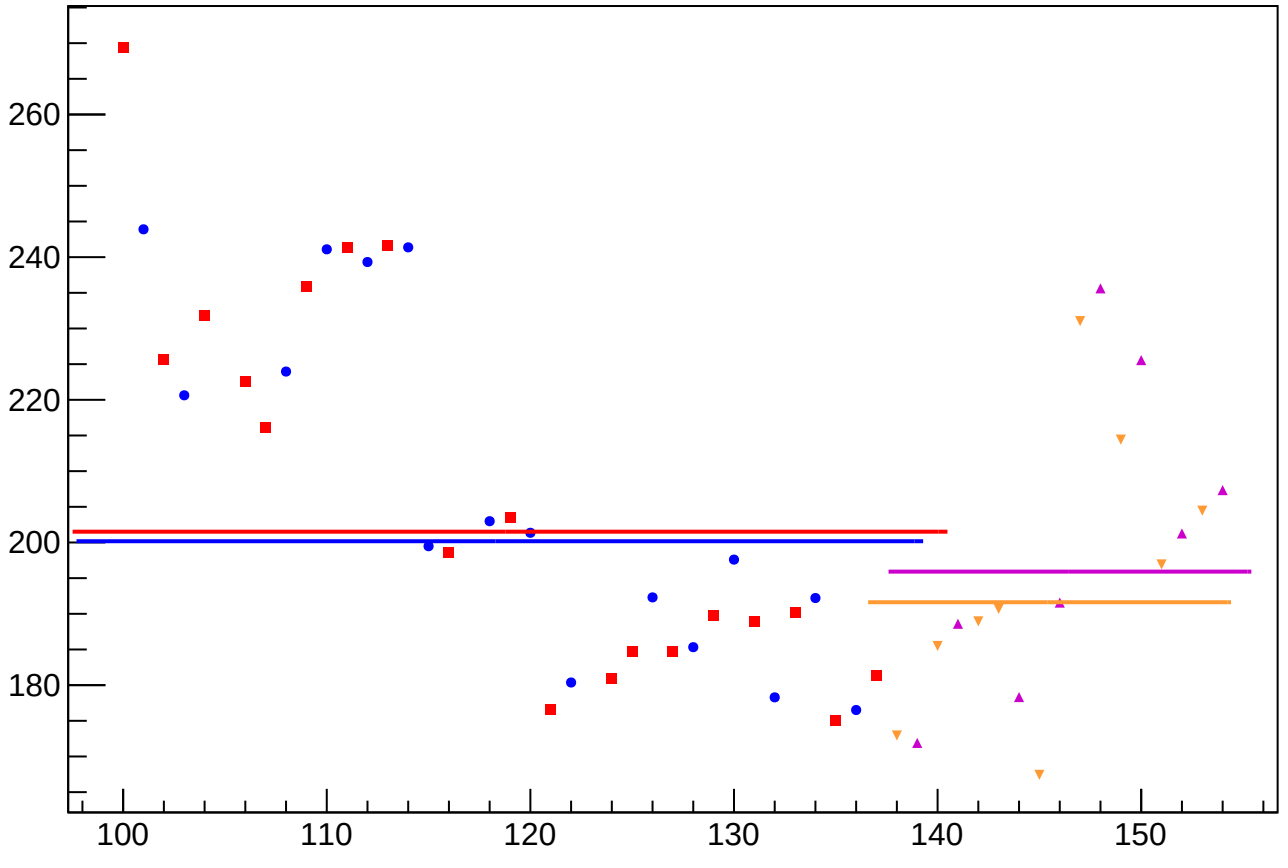
Left: -208.991+/-51.981 χ^2/NDF: 20.8/16

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -8.230+/-52.774 χ^2/NDF:44.4/23

Out: -20.942+/-51.978 χ^2/NDF:35.4/27

All: -14.682+/-37.032 χ^2/NDF: 79.8/51



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: 195.915+/-0.053 χ^2/NDF:139294.0/7

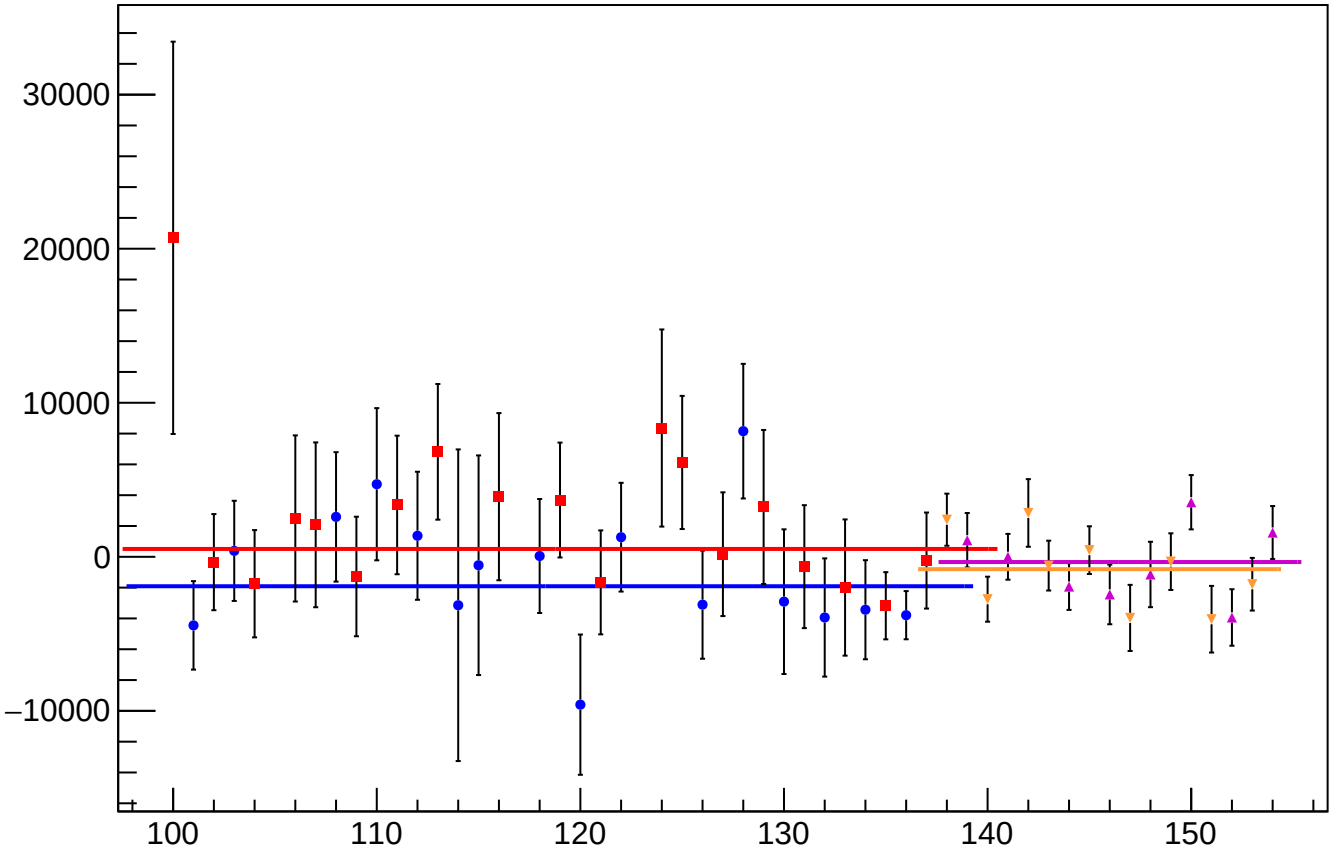
Left: 193.719+/-0.037 χ^2/NDF: 271490.8/16

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 198.032+/-0.037 χ^2/NDF:323555.9/23

Out: 196.453+/-0.037 χ^2/NDF:342317.2/27

All: 197.231+/-0.026 χ^2/NDF: 666781.7/51



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: -338.263+/-613.932 χ^2/NDF:13.1/7

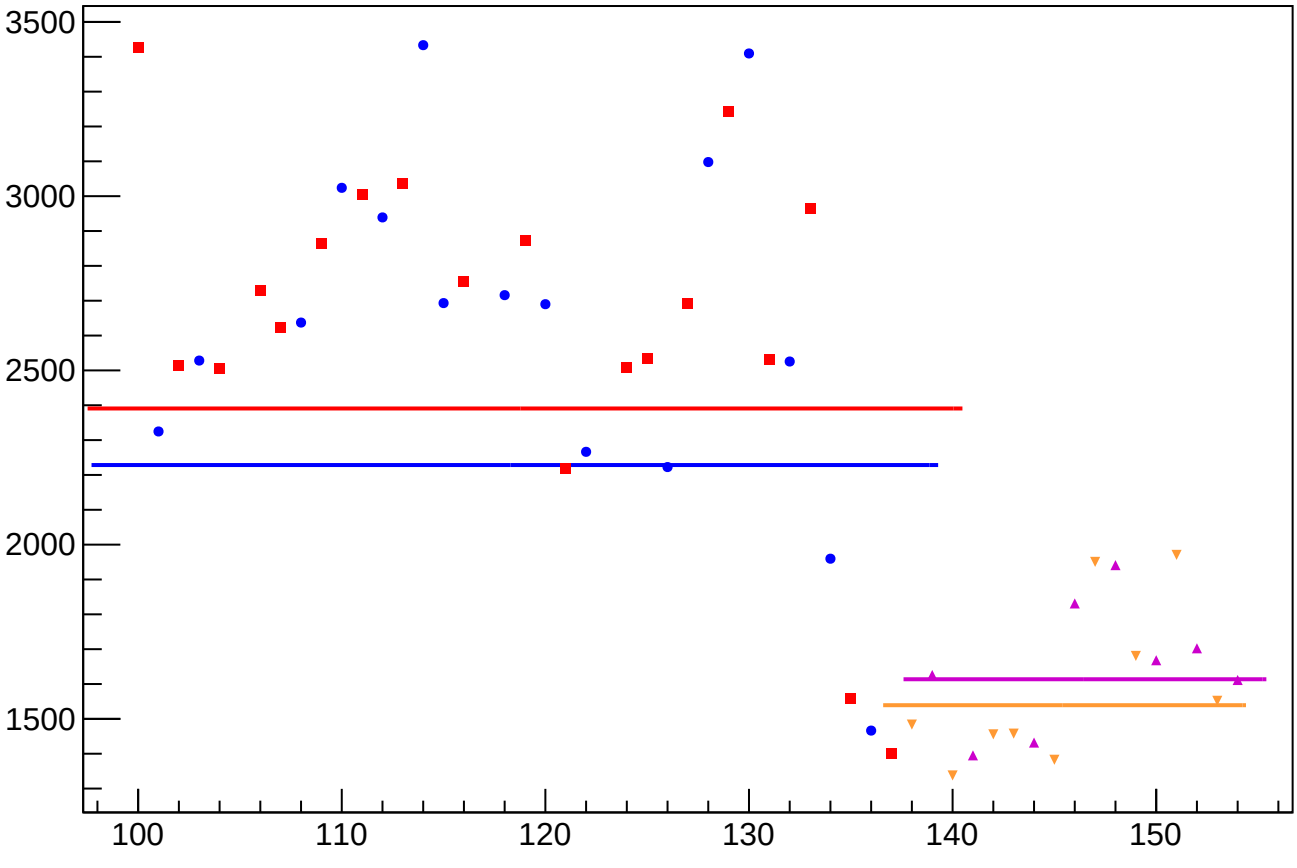
Left: -580.495+/-424.633 χ^2/NDF: 27.0/16

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -869.700+/-499.495 χ^2/NDF:31.5/23

Out: -410.867+/-492.556 χ^2/NDF:29.4/27

All: -637.074+/-350.717 χ^2/NDF: 61.3/51



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: 1613.686+/-0.434 χ^2/NDF:151416.8/7

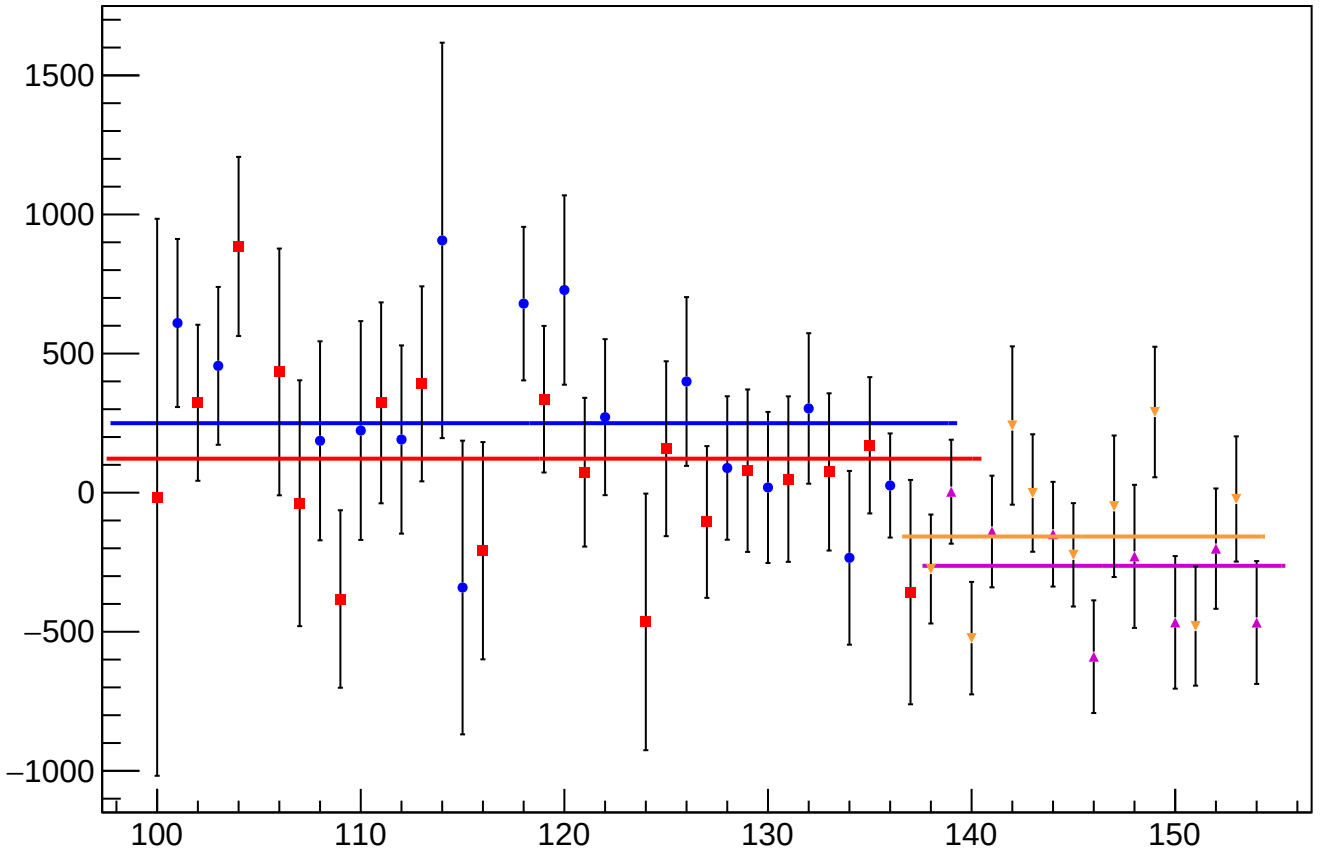
Left: 1574.851+/-0.300 χ^2/NDF: 400351.8/16

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1821.505+/-0.353 χ^2/NDF:1776984.6/23

Out: 1793.136+/-0.348 χ^2/NDF:2274414.8/27

All: 1807.122+/-0.248 χ^2/NDF: 4054670.2/51



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: -262.887+/-74.391 χ^2/NDF:7.1/7

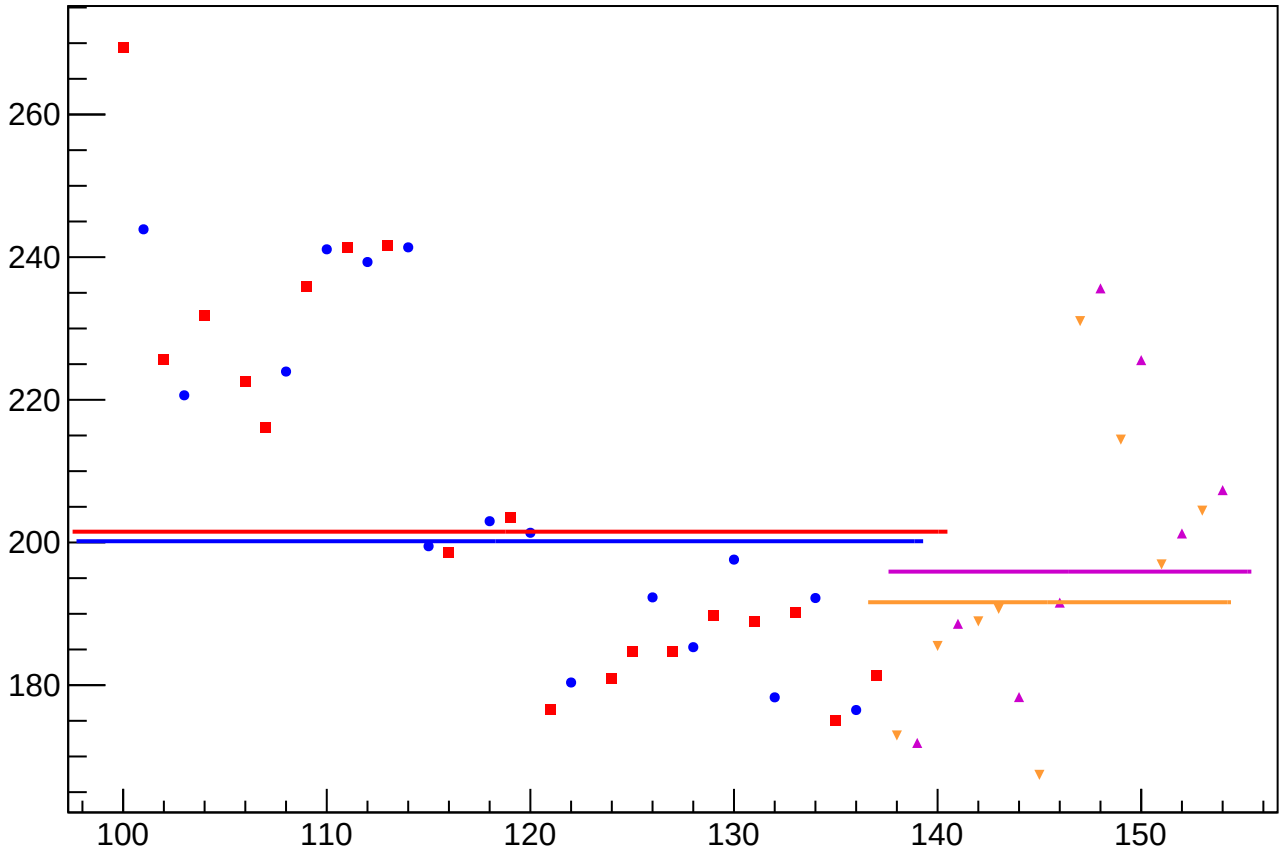
Left: -208.991+/-51.981 χ^2/NDF: 20.8/16

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -8.230+/-52.774 χ^2/NDF:44.4/23

Out: -20.942+/-51.978 χ^2/NDF:35.4/27

All: -14.682+/-37.032 χ^2/NDF: 79.8/51



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: 195.915+/-0.053 χ^2/NDF:139294.0/7

Left: 193.719+/-0.037 χ^2/NDF: 271490.8/16

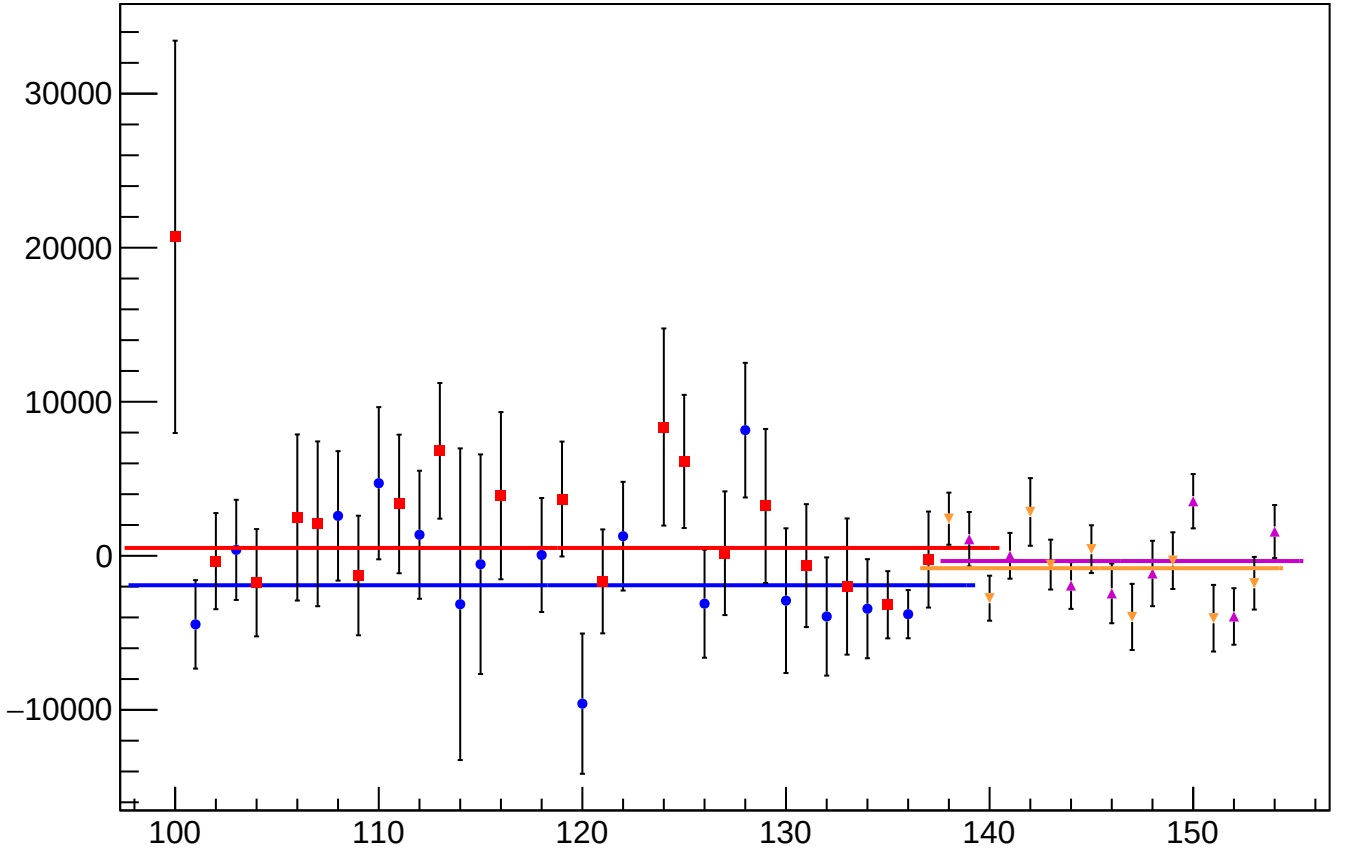
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 198.032+/-0.037 χ^2/NDF:323555.9/23

Out: 196.453+/-0.037 χ^2/NDF:342317.2/27

All: 197.231+/-0.026 χ^2/NDF: 666781.7/51

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: -338.263+/-613.932 χ^2/NDF:13.1/7

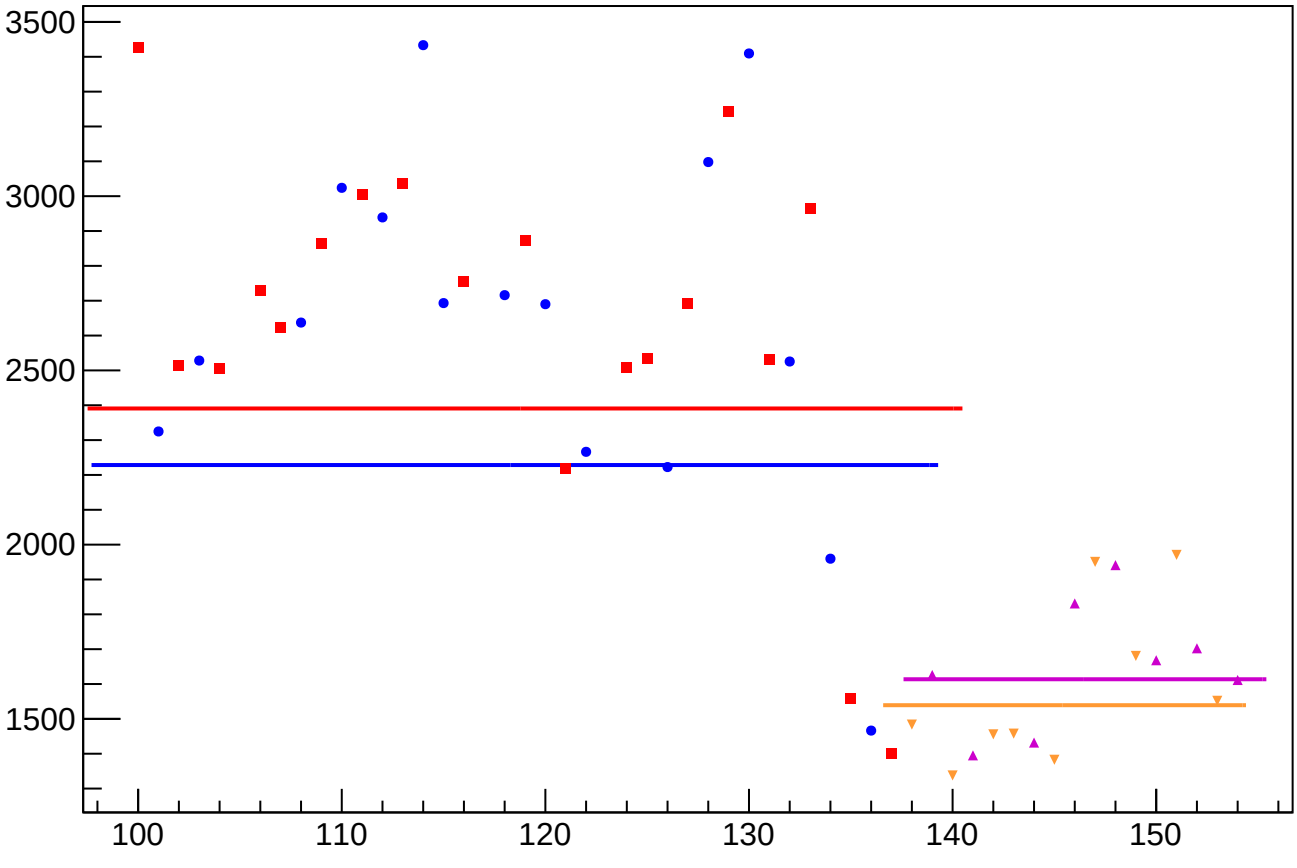
Left: -580.495+/-424.633 χ^2/NDF: 27.0/16

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -869.700+/-499.495 χ^2/NDF:31.5/23

Out: -410.867+/-492.556 χ^2/NDF:29.4/27

All: -637.074+/-350.717 χ^2/NDF: 61.3/51



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: 1613.686+/-0.434 χ^2/NDF:151416.8/7

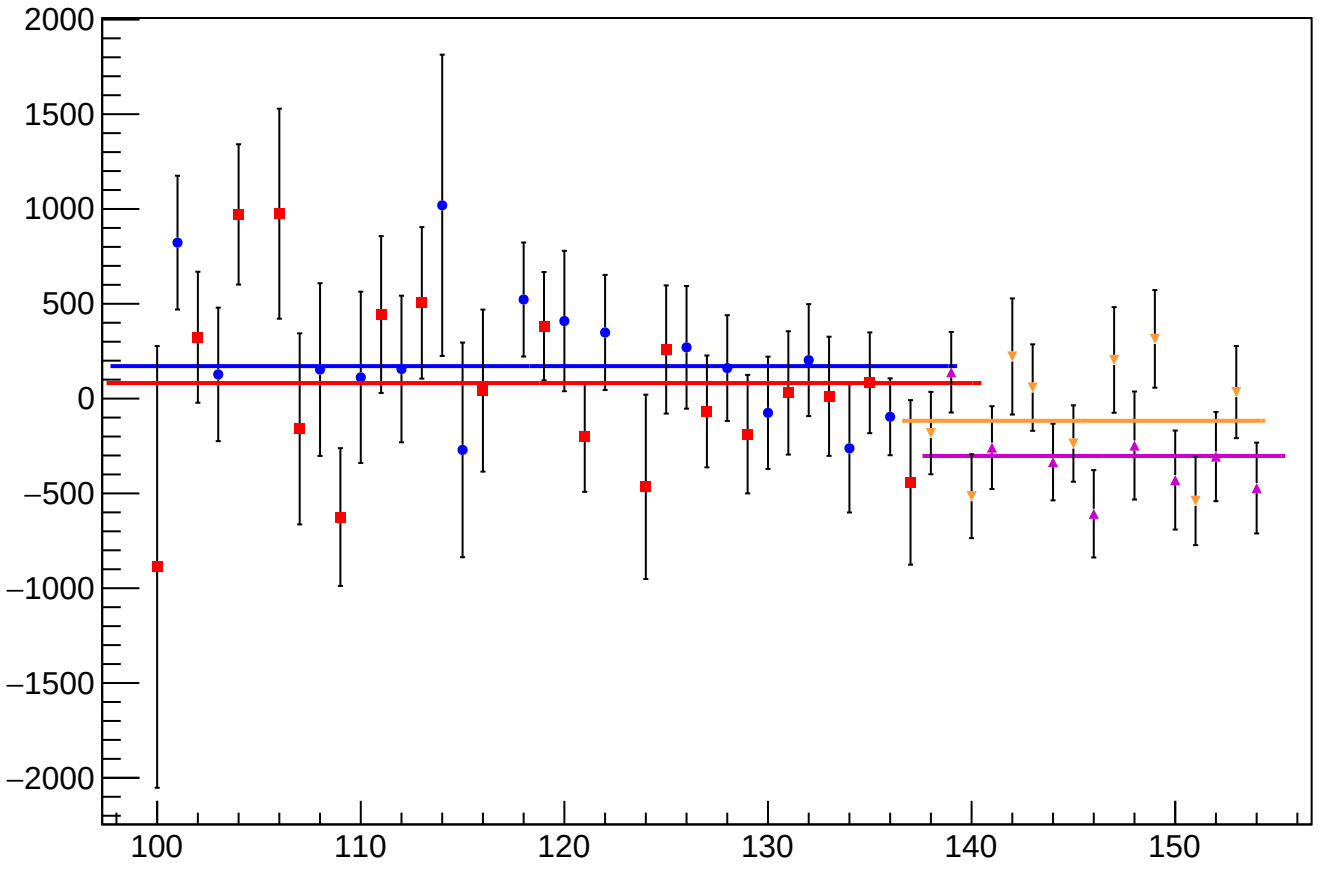
Left: 1574.851+/-0.300 χ^2/NDF: 400351.8/16

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1821.505+/-0.353 χ^2/NDF:1776984.6/23

Out: 1793.136+/-0.348 χ^2/NDF:2274414.8/27

All: 1807.122+/-0.248 χ^2/NDF: 4054670.2/51



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -116.978+/-79.202 χ^2/NDF:13.3/8

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -302.632+/-81.953 χ^2/NDF:6.9/7

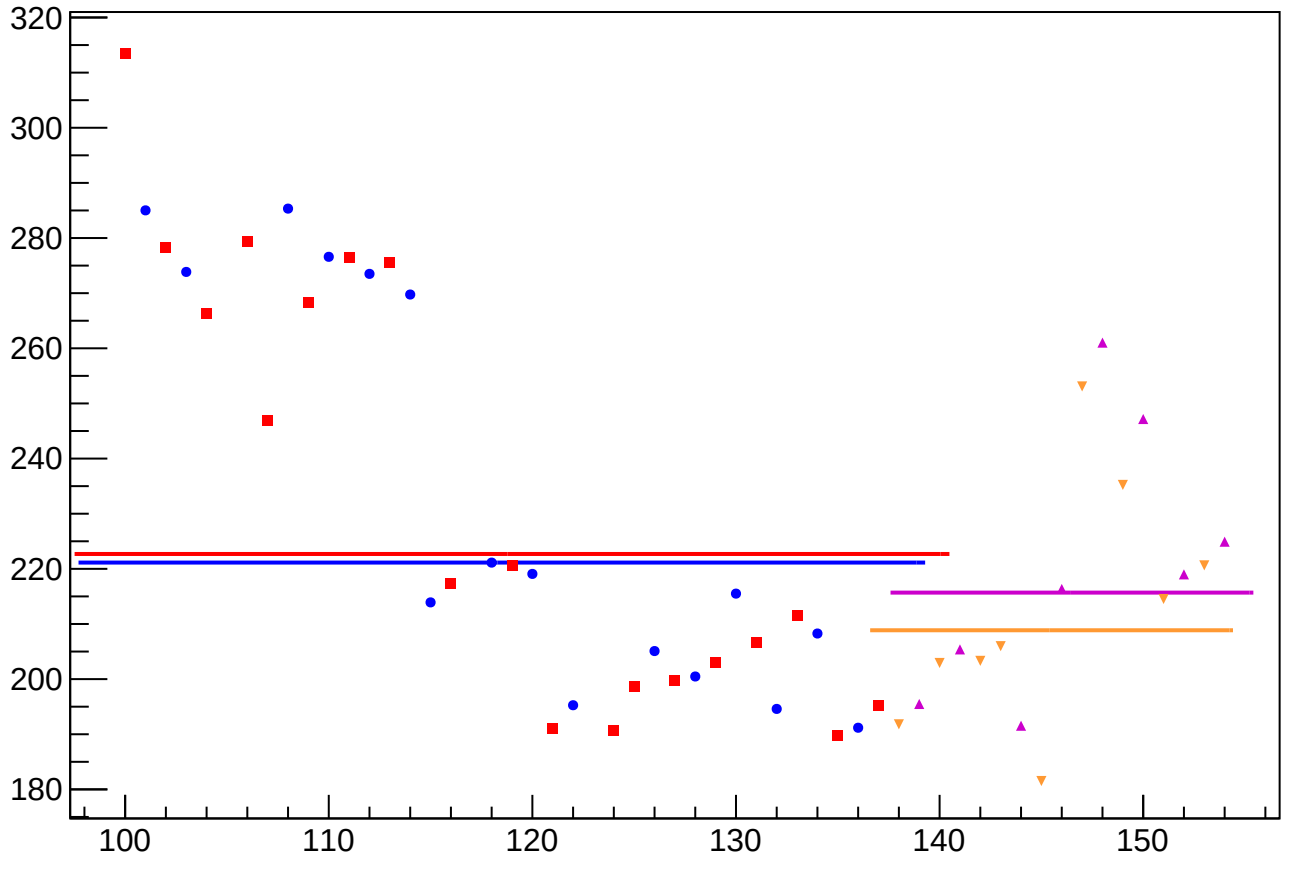
Left: -206.637+/-56.952 χ^2/NDF: 22.9/16

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -69.025+/-58.356 χ^2/NDF:34.9/23

Out: -21.527+/-57.150 χ^2/NDF:37.9/27

All: -44.779+/-40.831 χ^2/NDF: 73.2/51



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: 215.690+/-0.058 χ^2/NDF:134158.0/7

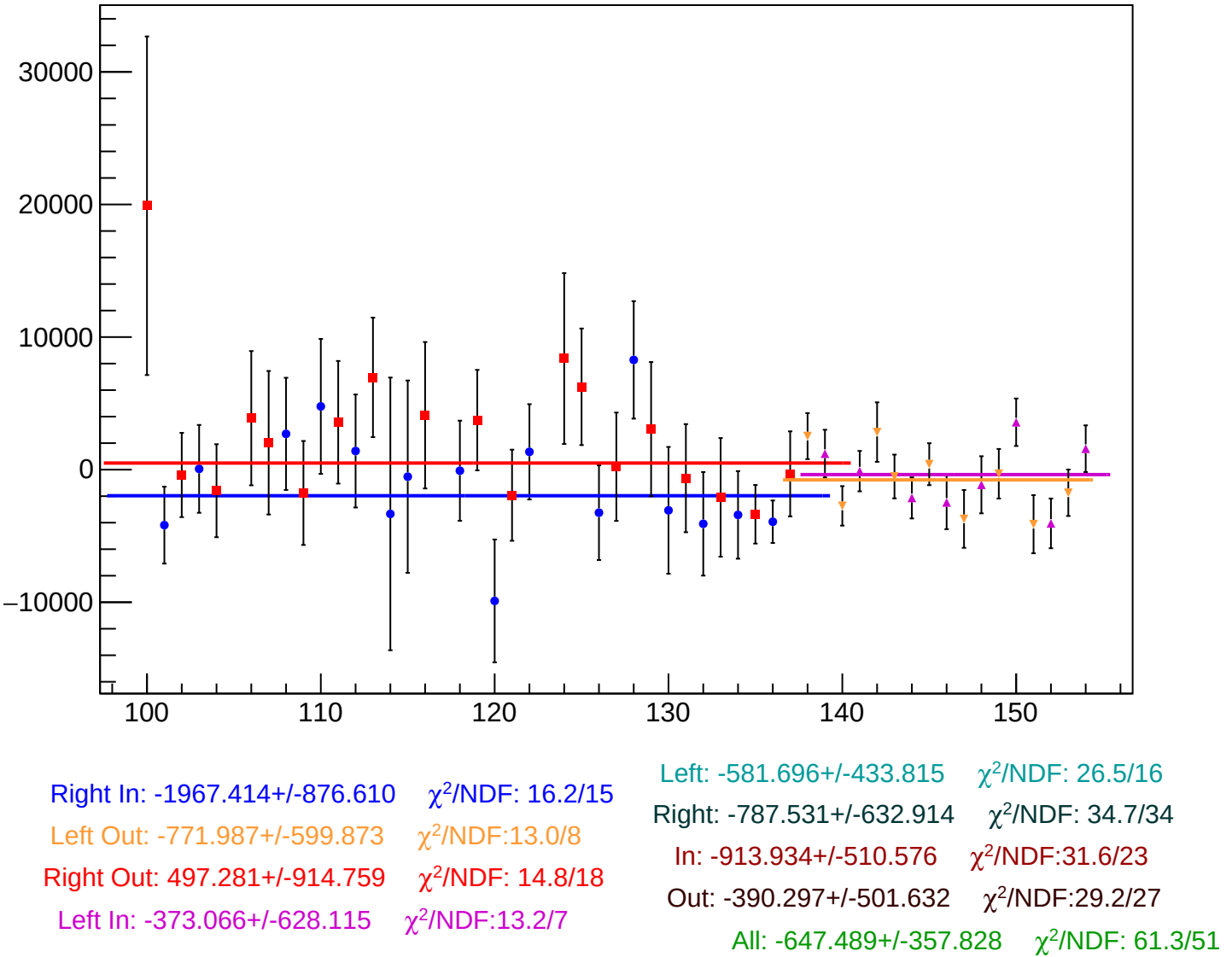
Left: 212.159+/-0.040 χ^2/NDF: 270153.7/16

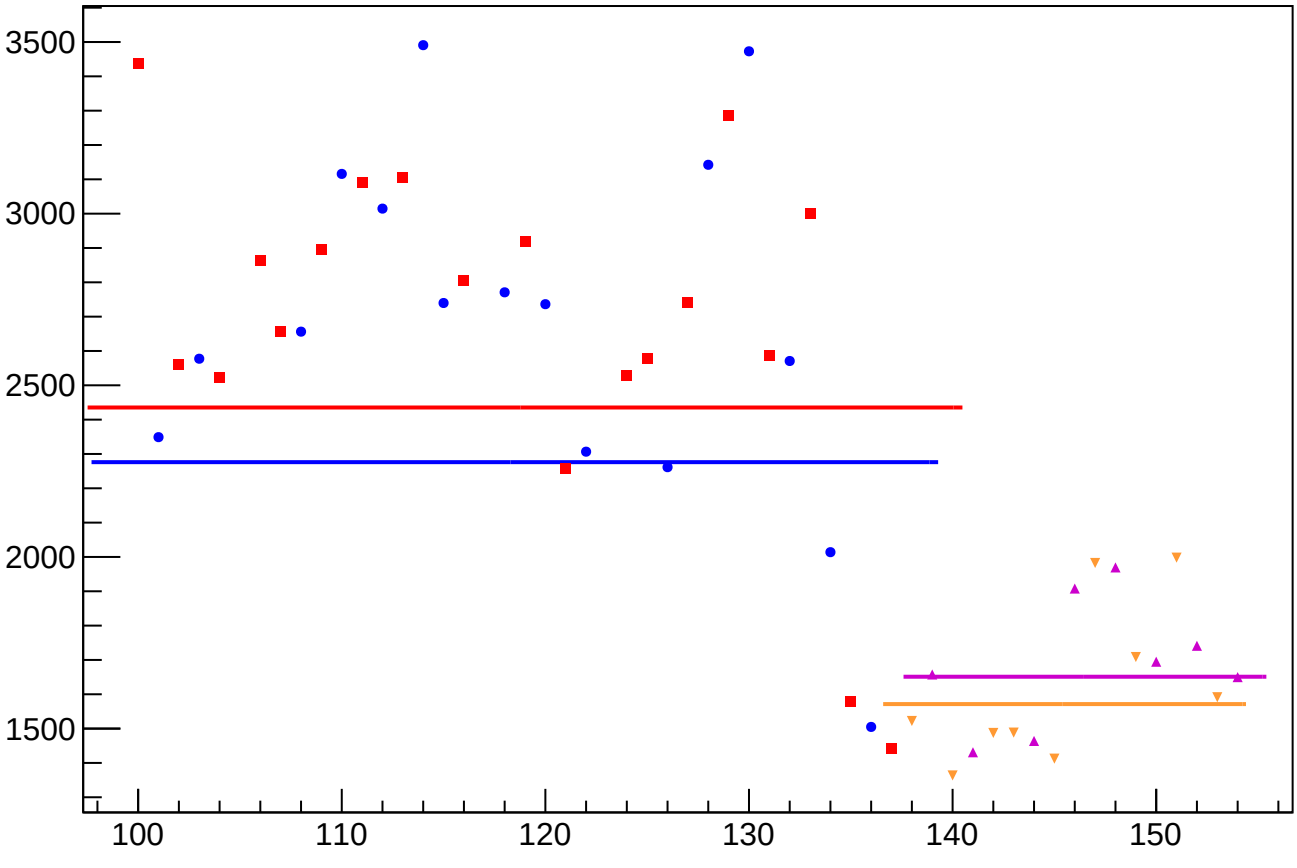
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.376+/-0.041 χ^2/NDF:457218.7/23

Out: 215.493+/-0.040 χ^2/NDF:485106.9/27

All: 216.904+/-0.029 χ^2/NDF: 944817.6/51


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -771.987+/-599.873 χ²/NDF:13.0/8
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -373.066+/-628.115 χ²/NDF:13.2/7
Left: -581.696+/-433.815 χ²/NDF: 26.5/16
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -913.934+/-510.576 χ²/NDF:31.6/23
Out: -390.297+/-501.632 χ²/NDF:29.2/27
All: -647.489+/-357.828 χ²/NDF: 61.3/51



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: 1651.097+/-0.444 χ^2/NDF:152760.5/7

Left: 1609.422+/-0.307 χ^2/NDF: 396051.0/16

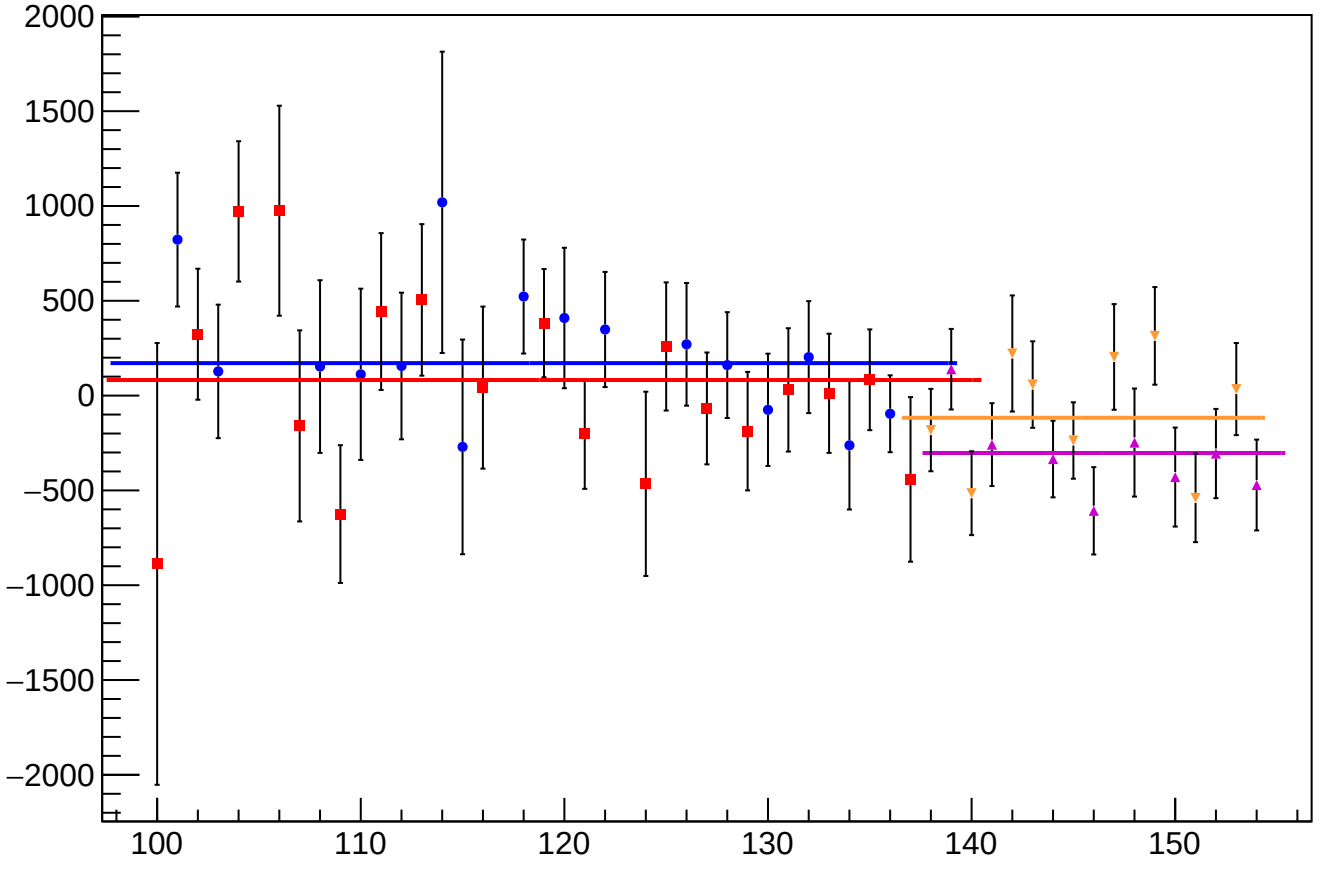
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1863.135+/-0.361 χ^2/NDF:1751593.7/23

Out: 1831.213+/-0.355 χ^2/NDF:2265471.4/27

All: 1846.892+/-0.253 χ^2/NDF: 4021043.2/51

eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -116.981+/-79.202 χ^2/NDF:13.3/8

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -302.632+/-81.953 χ^2/NDF:6.9/7

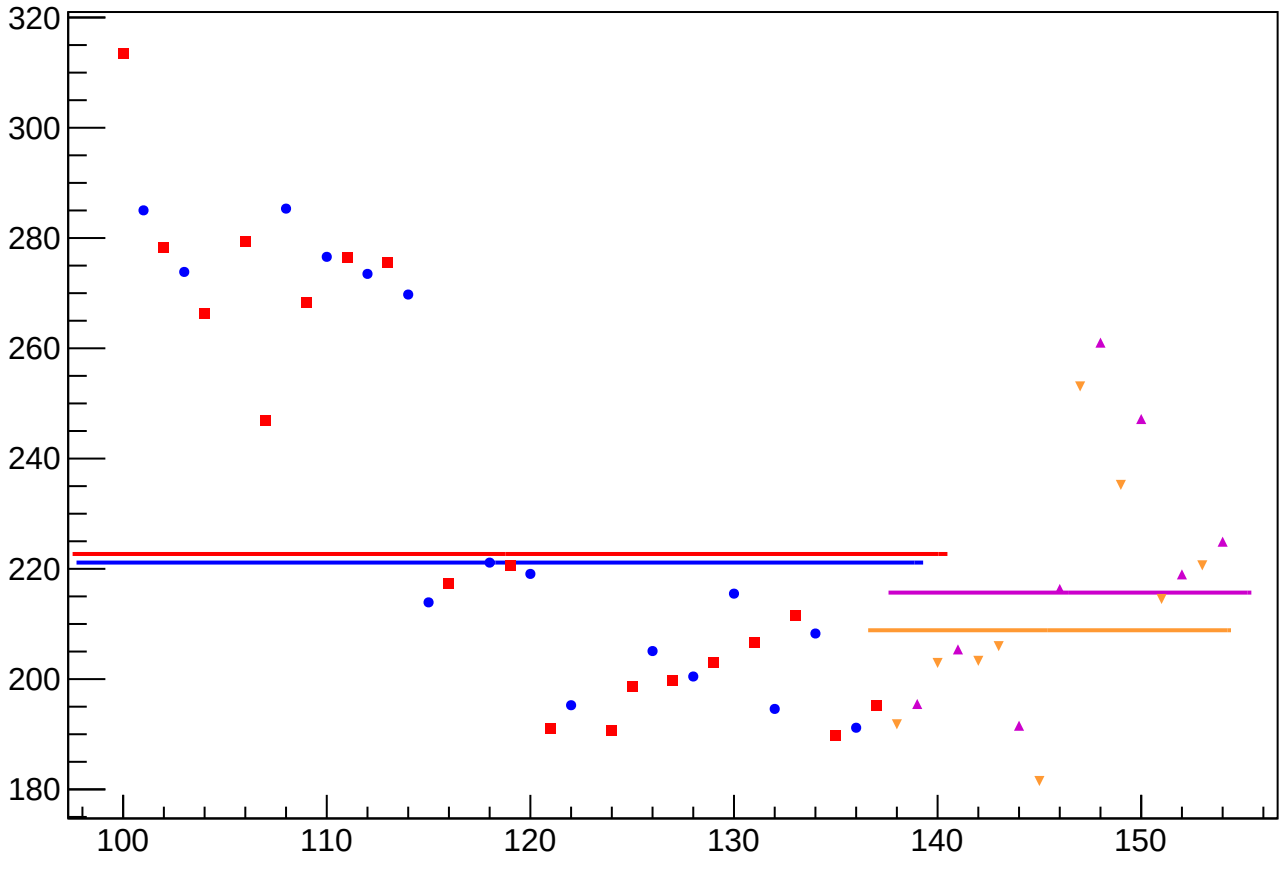
Left: -206.639+/-56.952 χ^2/NDF: 22.9/16

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -69.023+/-58.356 χ^2/NDF:34.9/23

Out: -21.529+/-57.150 χ^2/NDF:37.9/27

All: -44.780+/-40.831 χ^2/NDF: 73.2/51



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: 215.690+/-0.058 χ^2/NDF:134159.9/7

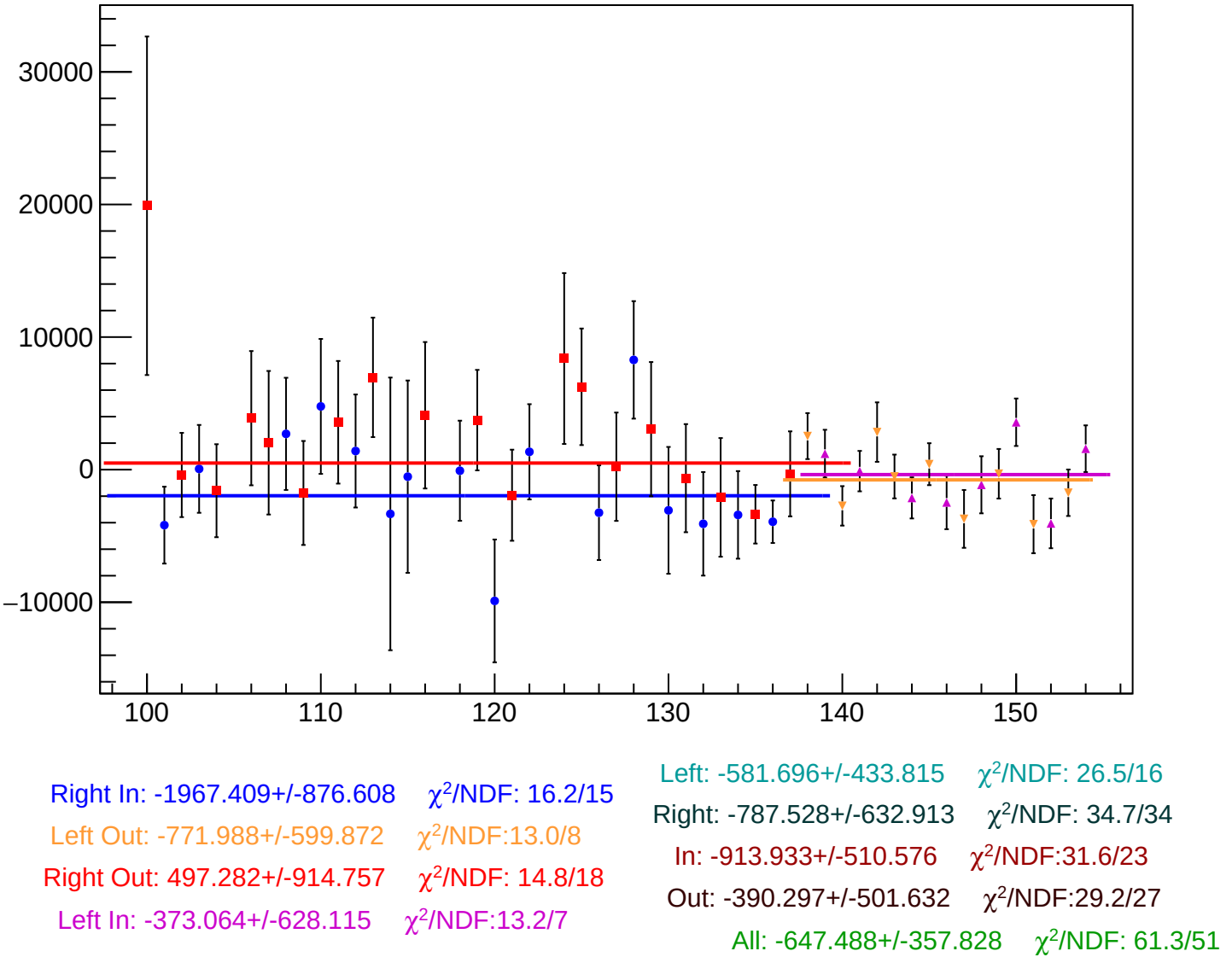
Left: 212.158+/-0.040 χ^2/NDF: 270158.9/16

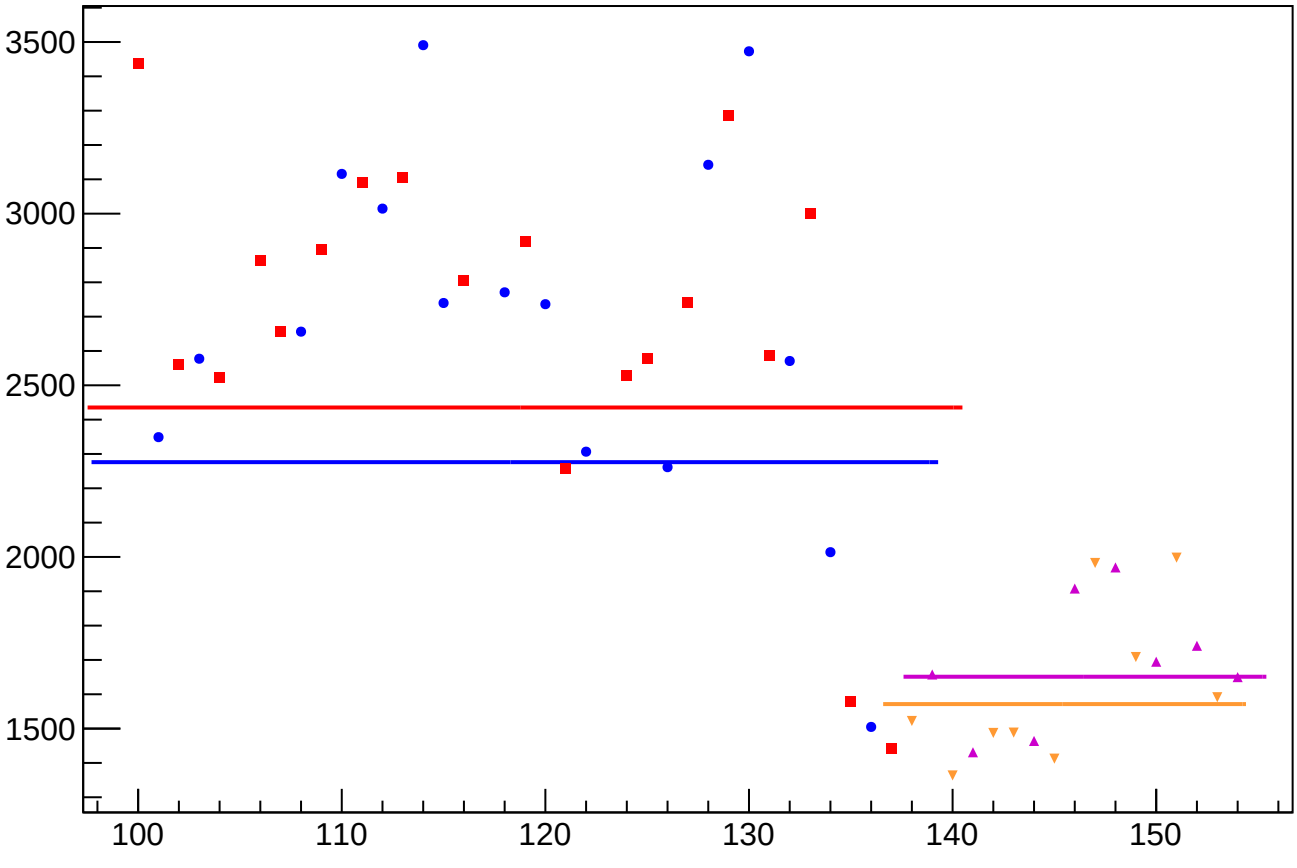
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.375+/-0.041 χ^2/NDF:457213.8/23

Out: 215.492+/-0.040 χ^2/NDF:485100.2/27

All: 216.904+/-0.029 χ^2/NDF: 944805.8/51


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -771.988+/-599.872 χ²/NDF:13.0/8
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: -373.064+/-628.115 χ²/NDF:13.2/7
Left: -581.696+/-433.815 χ²/NDF: 26.5/16
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -913.933+/-510.576 χ²/NDF:31.6/23
Out: -390.297+/-501.632 χ²/NDF:29.2/27
All: -647.488+/-357.828 χ²/NDF: 61.3/51



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: 1651.097+/-0.444 χ^2/NDF:152760.3/7

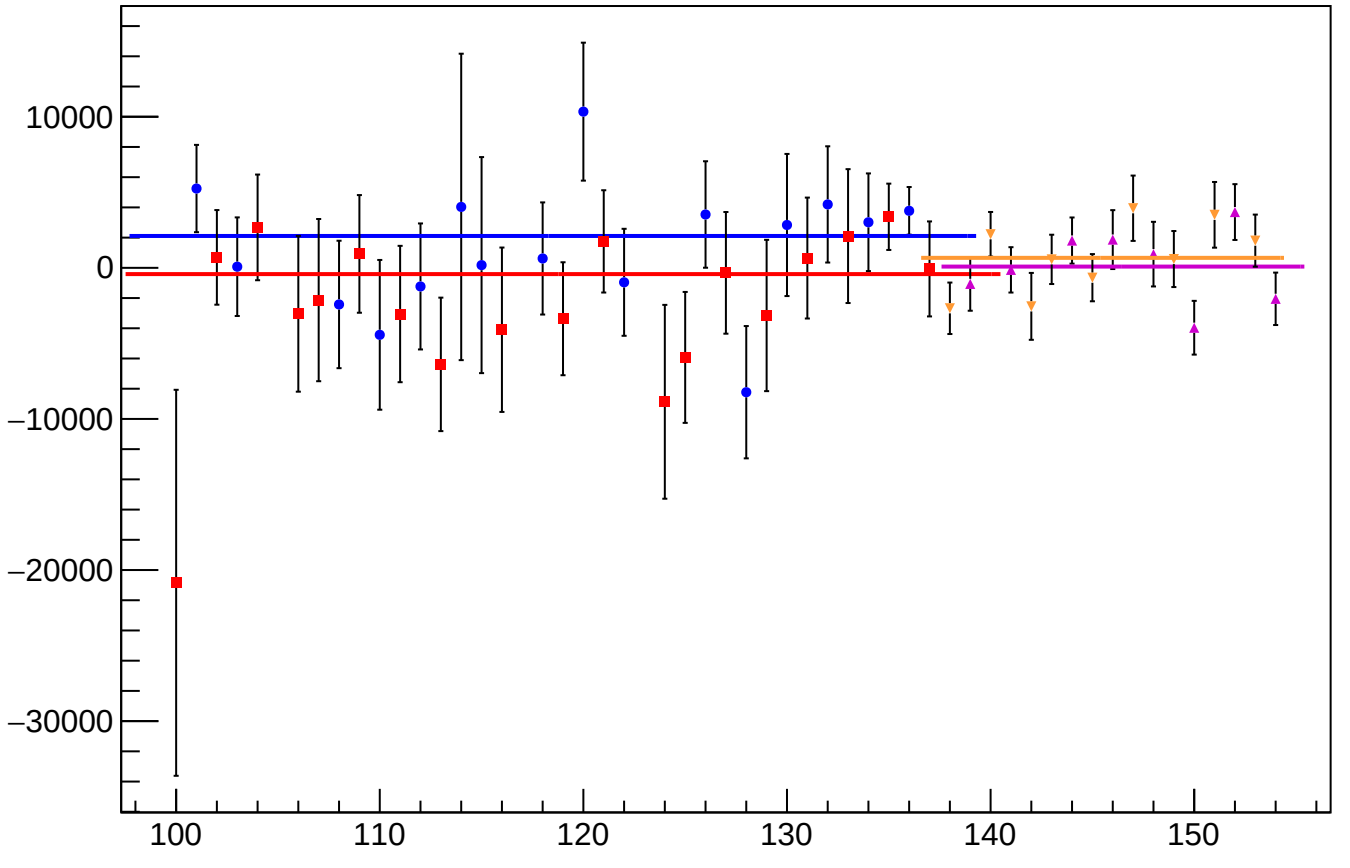
Left: 1609.421+/-0.307 χ^2/NDF: 396052.5/16

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1863.135+/-0.361 χ^2/NDF:1751580.1/23

Out: 1831.212+/-0.355 χ^2/NDF:2265462.6/27

All: 1846.891+/-0.253 χ^2/NDF: 4021020.9/51



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: 82.957+/-618.671 χ^2/NDF:13.2/7

Left: 384.469+/-427.986 χ^2/NDF: 25.9/16

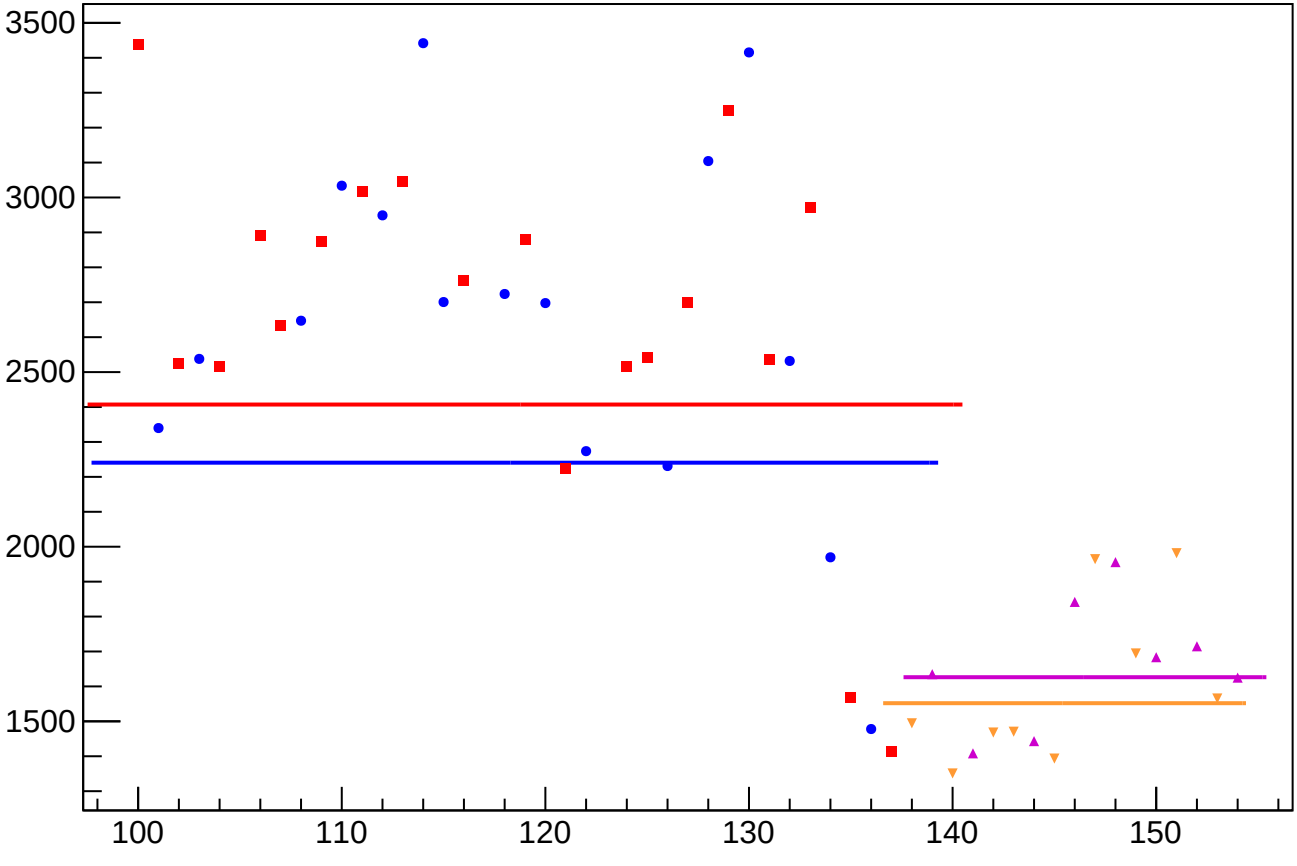
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 770.602+/-502.872 χ^2/NDF:33.5/23

Out: 338.137+/-495.727 χ^2/NDF:27.9/27

All: 551.275+/-353.031 χ^2/NDF: 61.7/51

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: 1626.350+/-0.437 χ^2/NDF:149603.1/7

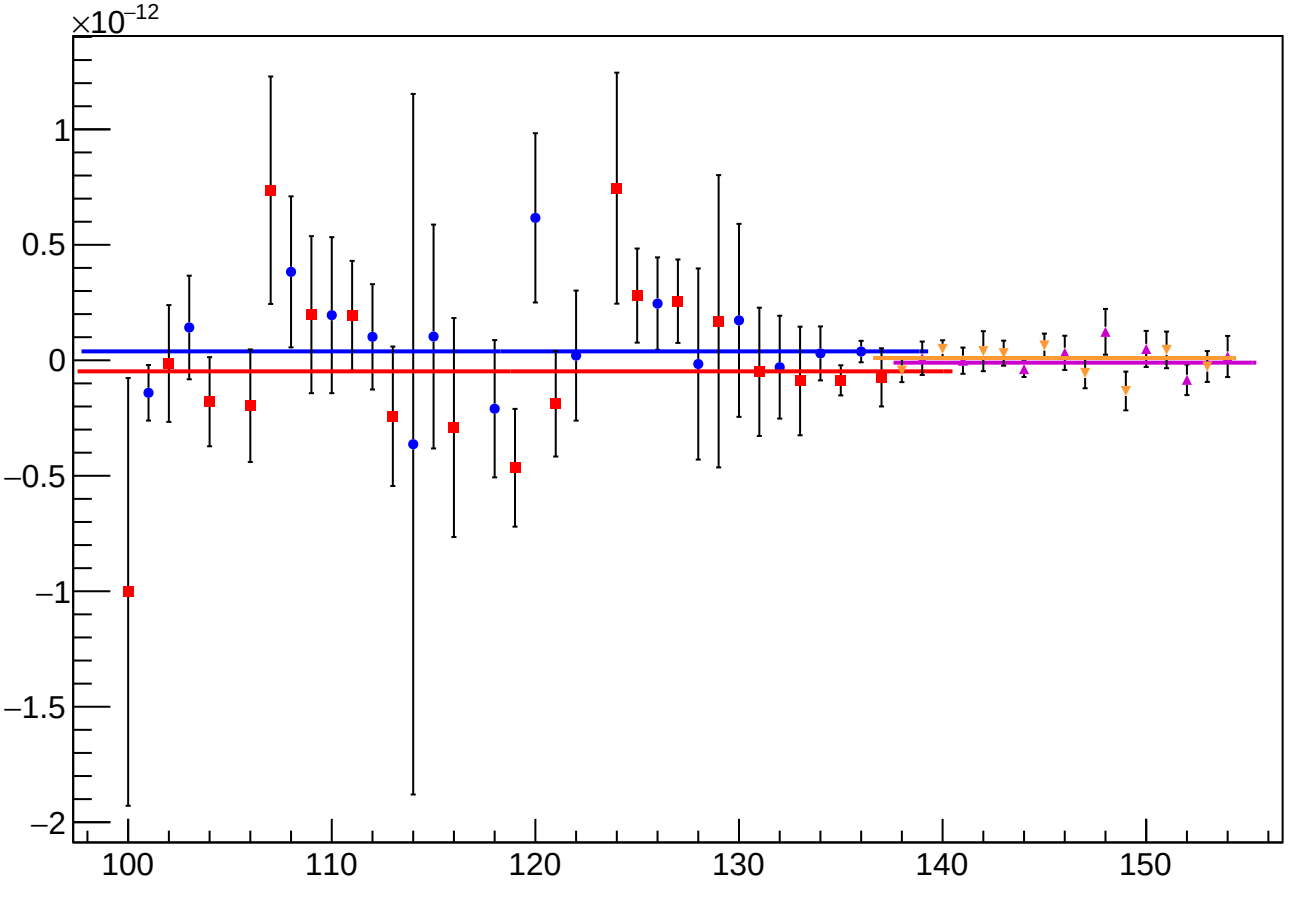
Left: 1587.552+/-0.303 χ^2/NDF: 395459.8/16

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1834.782+/-0.356 χ^2/NDF:1752212.5/23

Out: 1808.870+/-0.351 χ^2/NDF:2270693.8/27

All: 1821.641+/-0.250 χ^2/NDF: 4025599.4/51



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:4.8/7

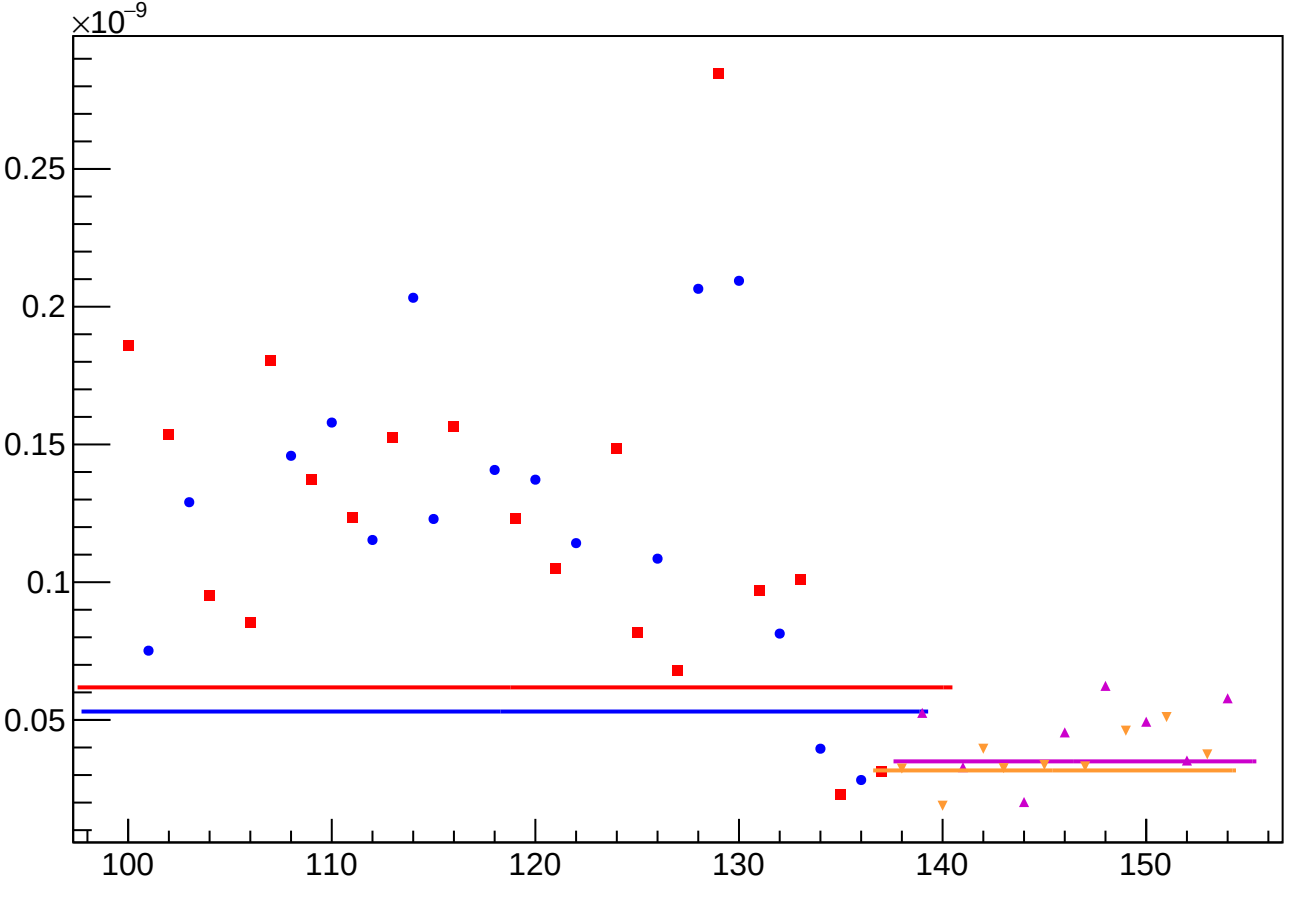
Left: 0.000+/-0.000 χ^2/NDF: 13.3/16

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:14.6/23

Out: 0.000+/-0.000 χ^2/NDF:27.7/27

All: 0.000+/-0.000 χ^2/NDF: 42.3/51



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:891091.1/7

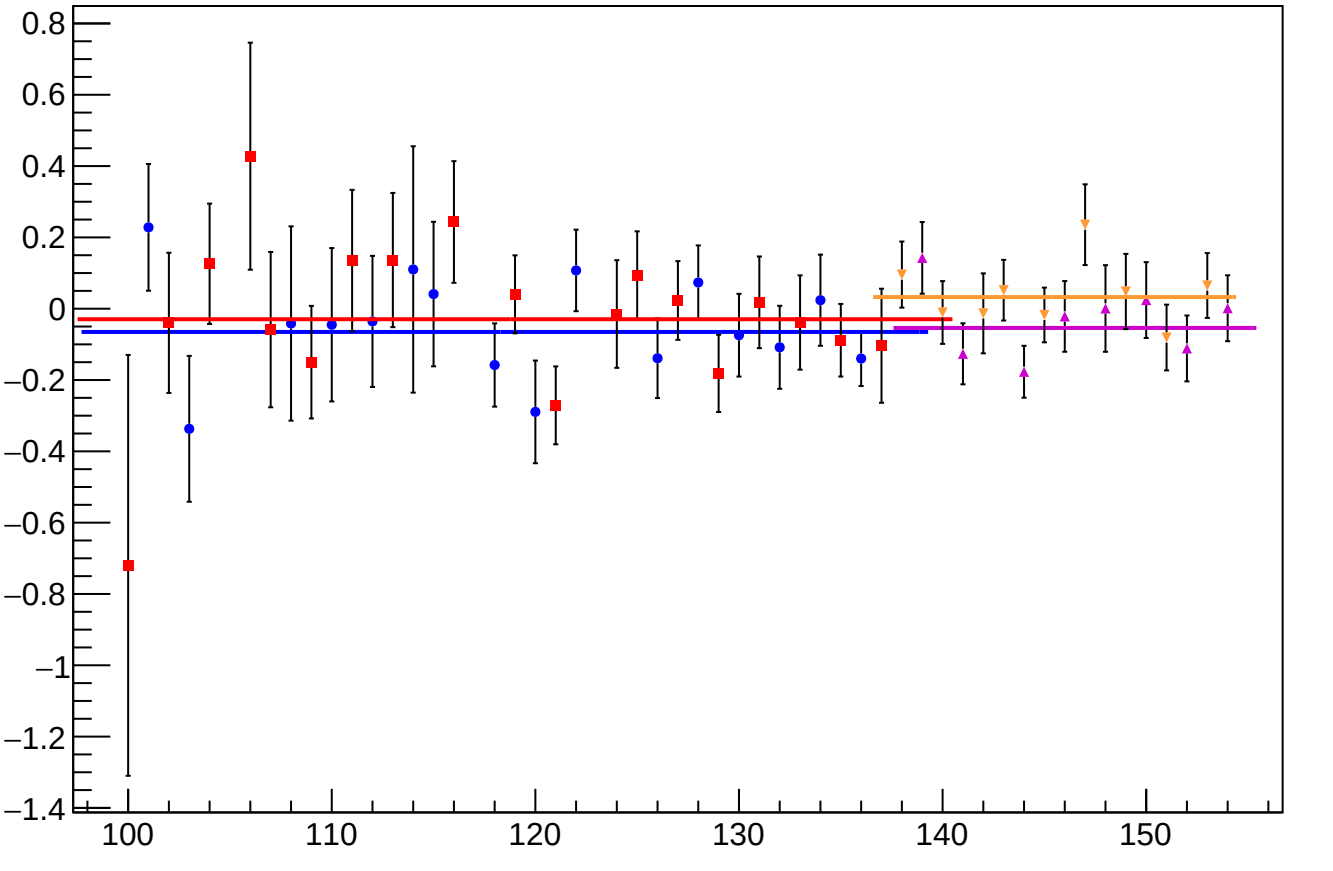
Left: 0.000+/-0.000 χ^2/NDF: 1366171.5/16

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3834711.4/23

Out: 0.000+/-0.000 χ^2/NDF:3674140.4/27

All: 0.000+/-0.000 χ^2/NDF: 7537180.0/51



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: -0.054+/-0.033 χ^2/NDF:9.0/7

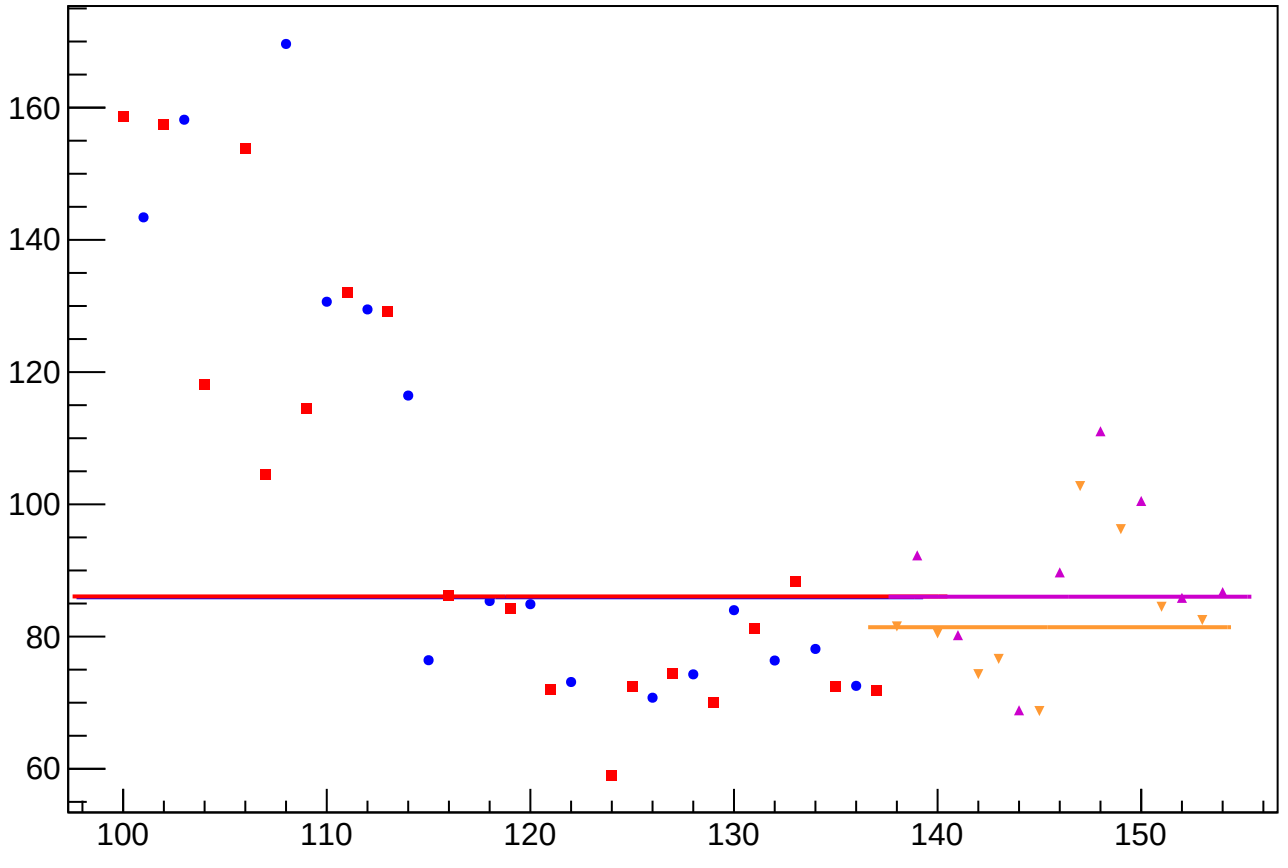
Left: -0.008+/-0.023 χ^2/NDF: 18.9/16

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.059+/-0.023 χ^2/NDF:23.2/23

Out: 0.003+/-0.023 χ^2/NDF:26.2/27

All: -0.027+/-0.016 χ^2/NDF: 53.2/51



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: 86.031+/-0.023 χ^2/NDF:253167.2/7

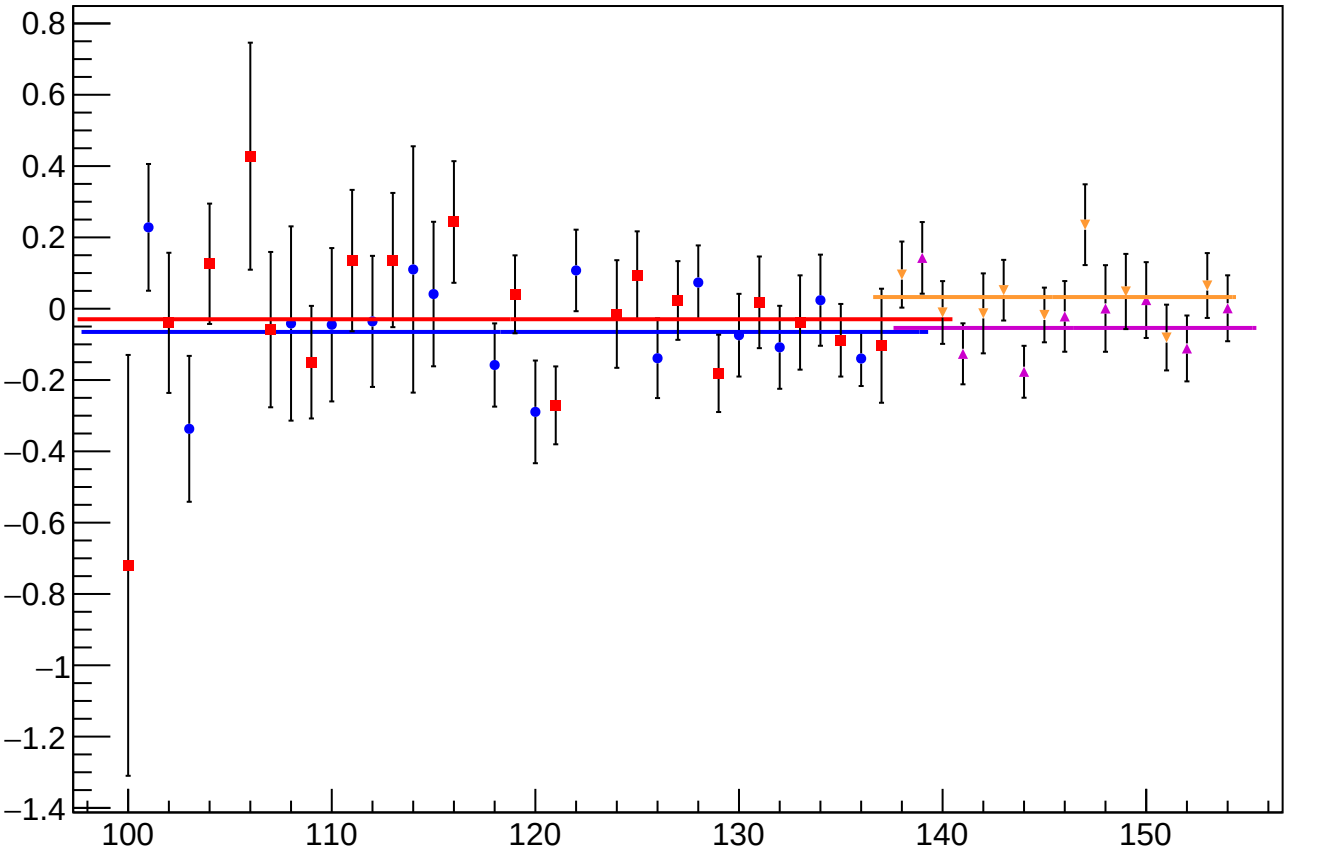
Left: 83.579+/-0.016 χ^2/NDF: 456260.4/16

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.989+/-0.017 χ^2/NDF:1288178.3/23

Out: 83.604+/-0.016 χ^2/NDF:1194889.5/27

All: 84.751+/-0.012 χ^2/NDF: 2493795.7/51



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: -0.054+/-0.033 χ^2/NDF:9.0/7

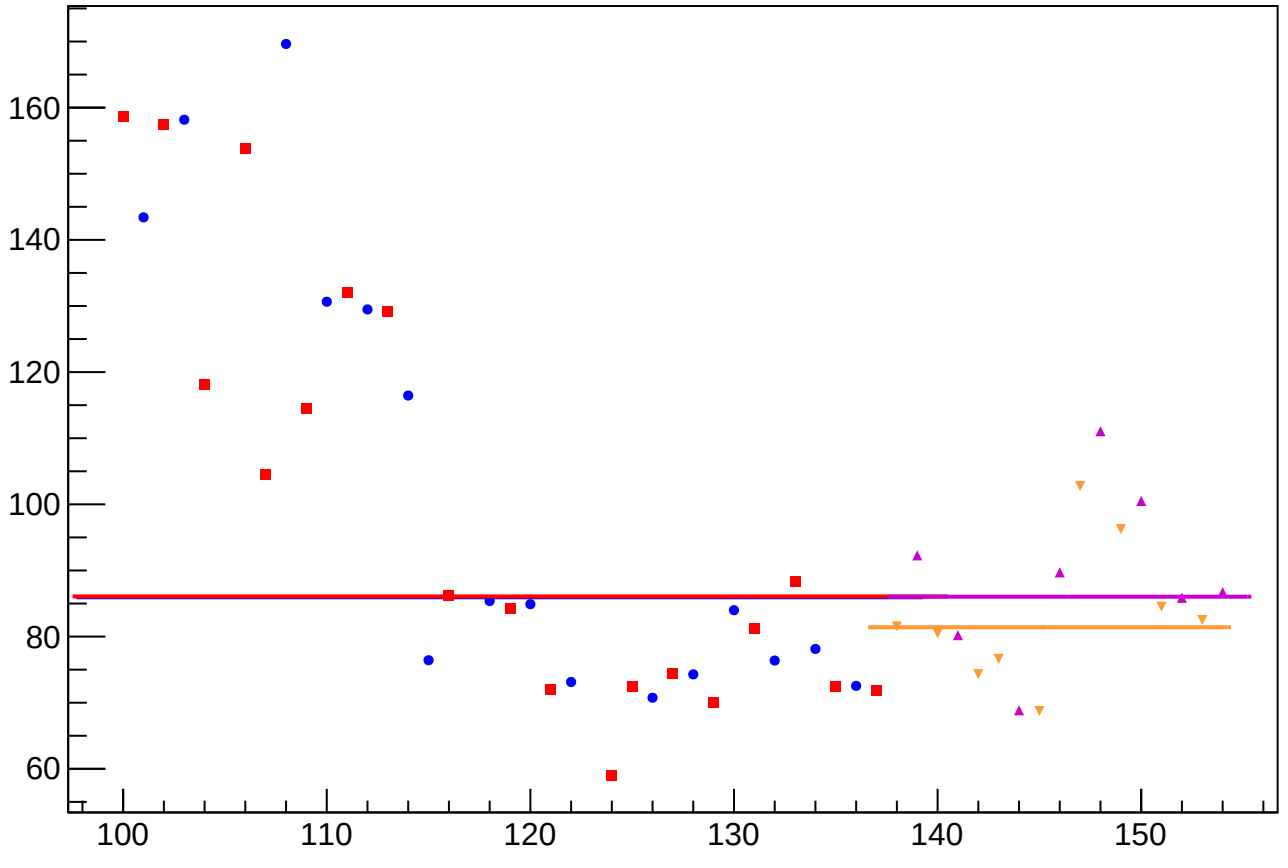
Left: -0.008+/-0.023 χ^2/NDF: 18.9/16

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.059+/-0.023 χ^2/NDF:23.2/23

Out: 0.003+/-0.023 χ^2/NDF:26.2/27

All: -0.027+/-0.016 χ^2/NDF: 53.2/51



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: 86.031+/-0.023 χ^2/NDF:253167.2/7

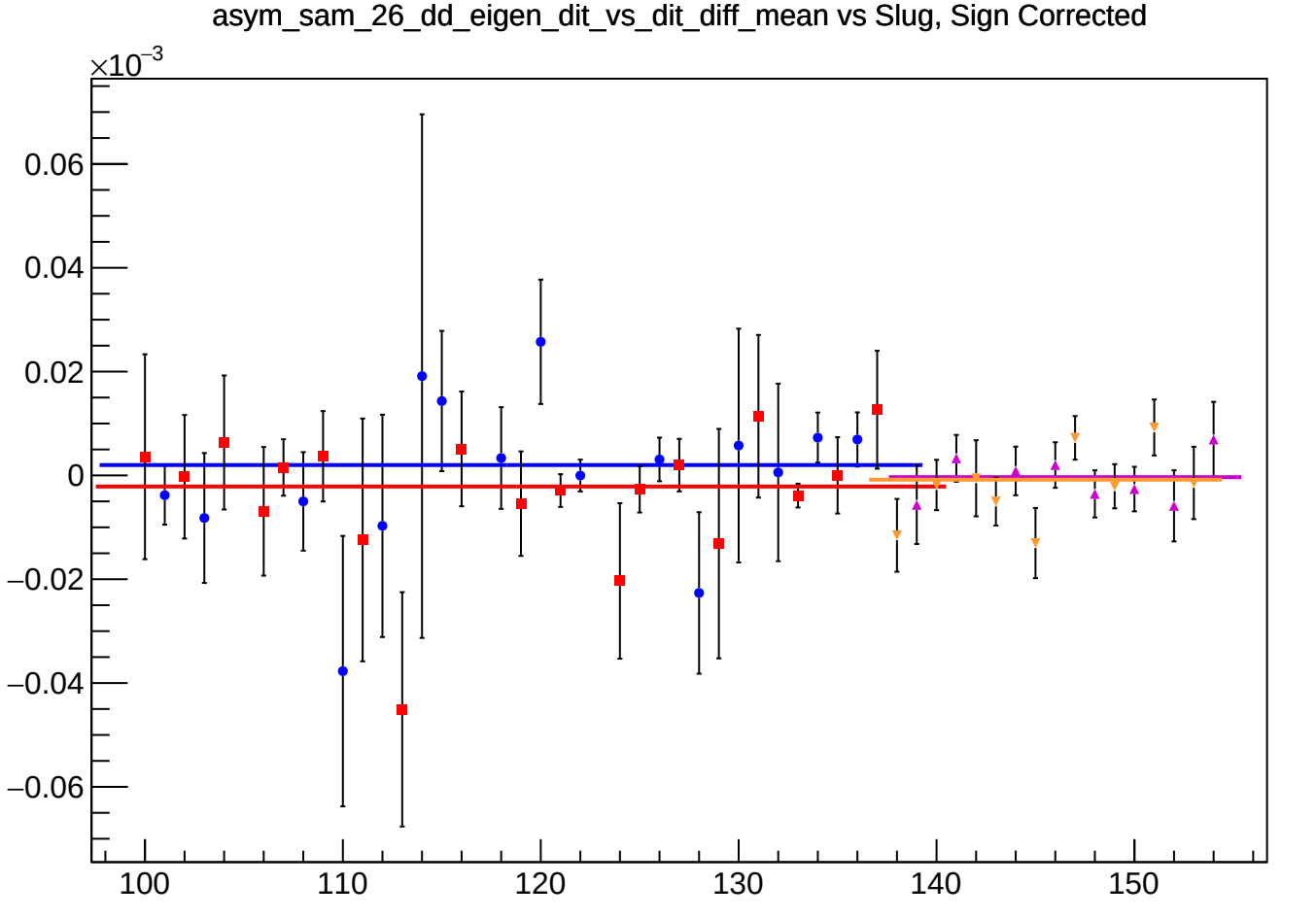
Left: 83.579+/-0.016 χ^2/NDF: 456260.4/16

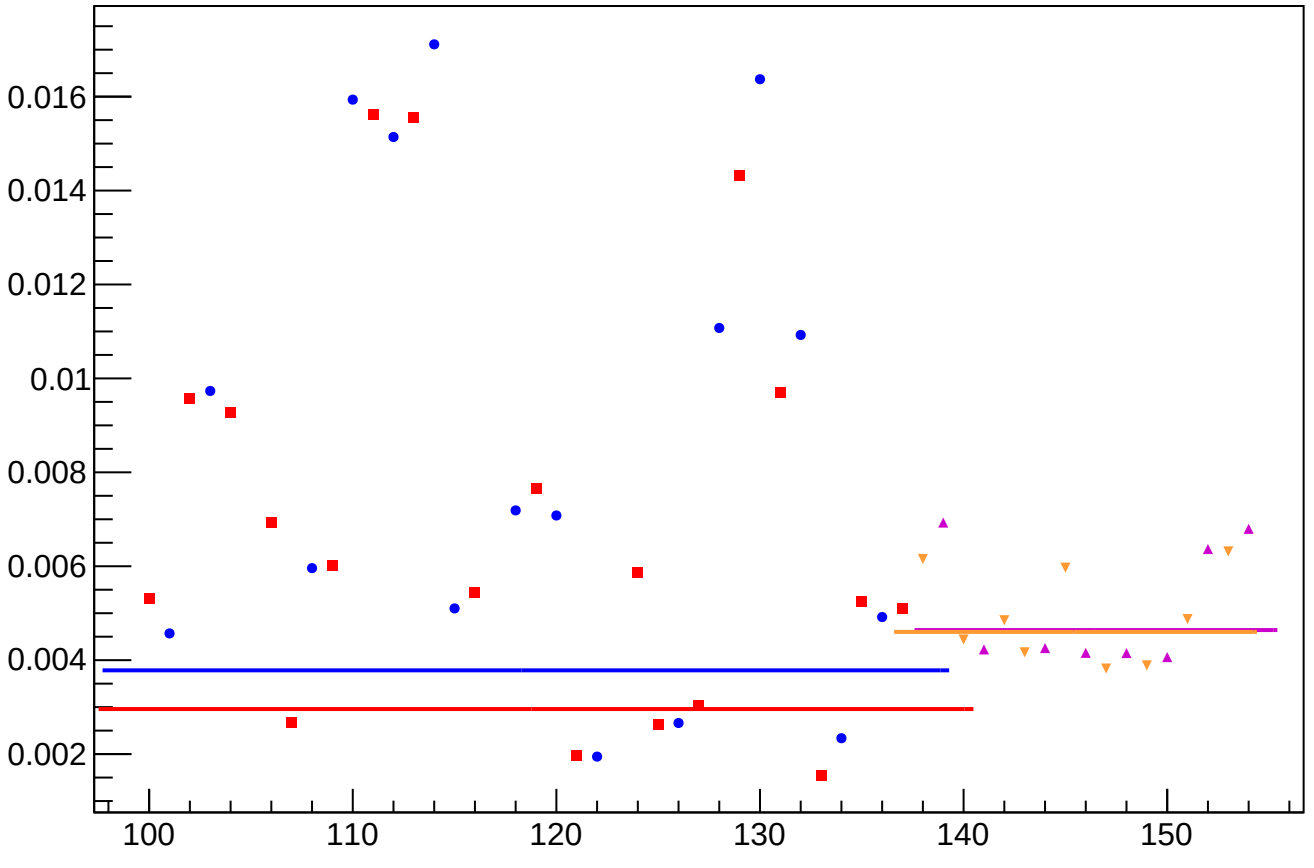
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.989+/-0.017 χ^2/NDF:1288178.3/23

Out: 83.604+/-0.016 χ^2/NDF:1194889.5/27

All: 84.751+/-0.012 χ^2/NDF: 2493795.7/51


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:3.9/7
Left: -0.000+/-0.000 χ²/NDF: 17.7/16
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:19.7/23
Out: -0.000+/-0.000 χ²/NDF:25.6/27
All: -0.000+/-0.000 χ²/NDF: 47.5/51



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:453202.7/8

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:601606.2/7

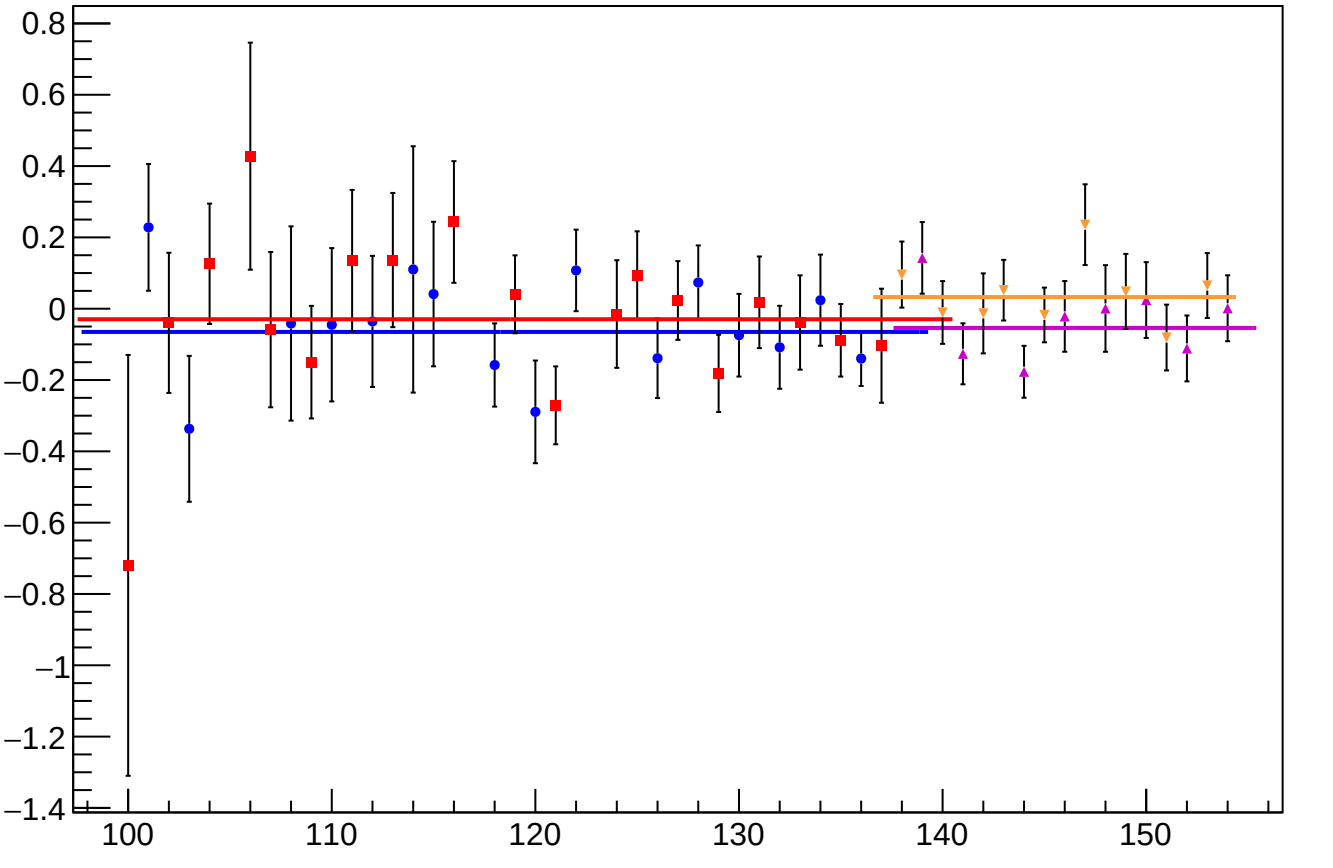
Left: 0.005+/-0.000 χ^2/NDF: 1055282.3/16

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5529305.9/23

Out: 0.004+/-0.000 χ^2/NDF:7055373.4/27

All: 0.004+/-0.000 χ^2/NDF: 12850635.1/51



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: -0.054+/-0.033 χ^2/NDF:9.0/7

Left: -0.008+/-0.023 χ^2/NDF: 18.9/16

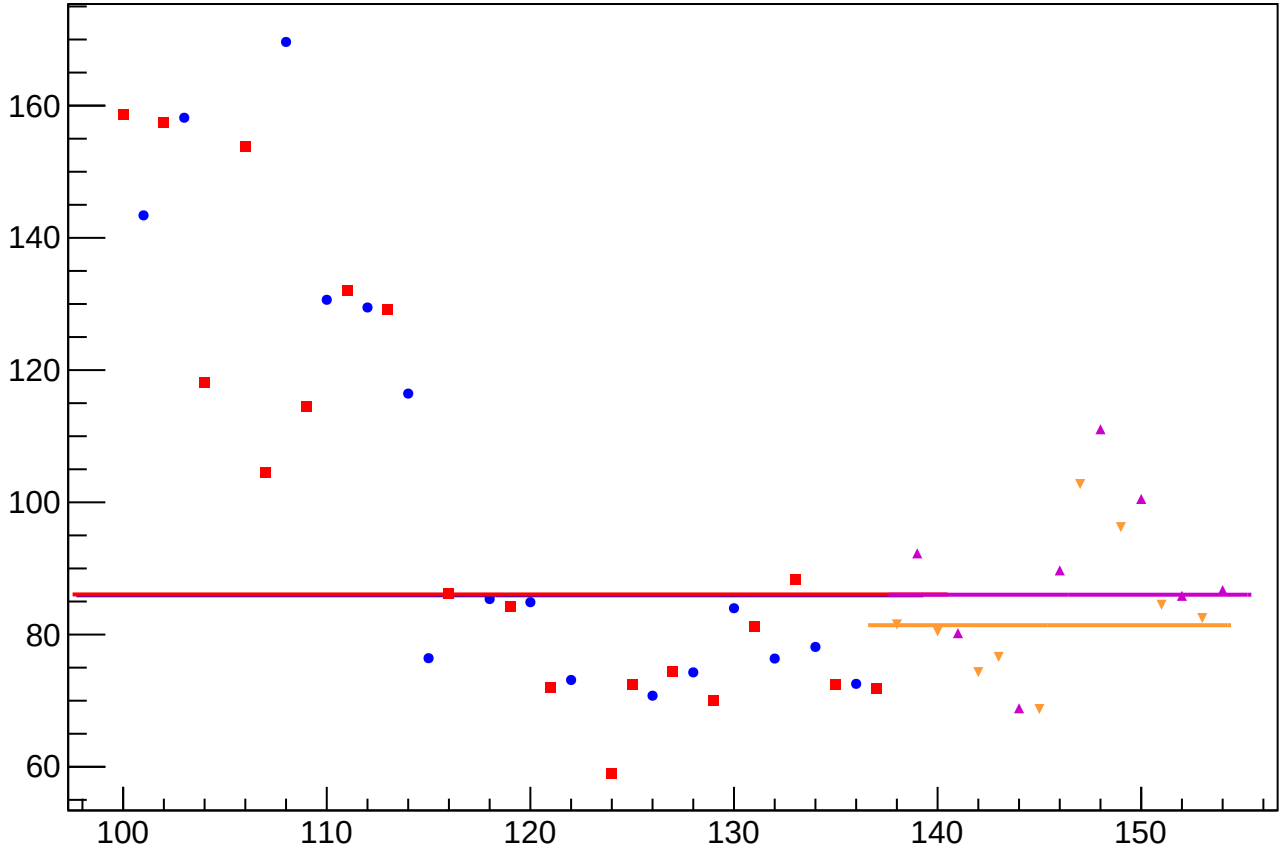
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.059+/-0.023 χ^2/NDF:23.2/23

Out: 0.003+/-0.023 χ^2/NDF:26.2/27

All: -0.027+/-0.016 χ^2/NDF: 53.2/51

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: 86.031+/-0.023 χ^2/NDF:253170.2/7

Left: 83.579+/-0.016 χ^2/NDF: 456289.4/16

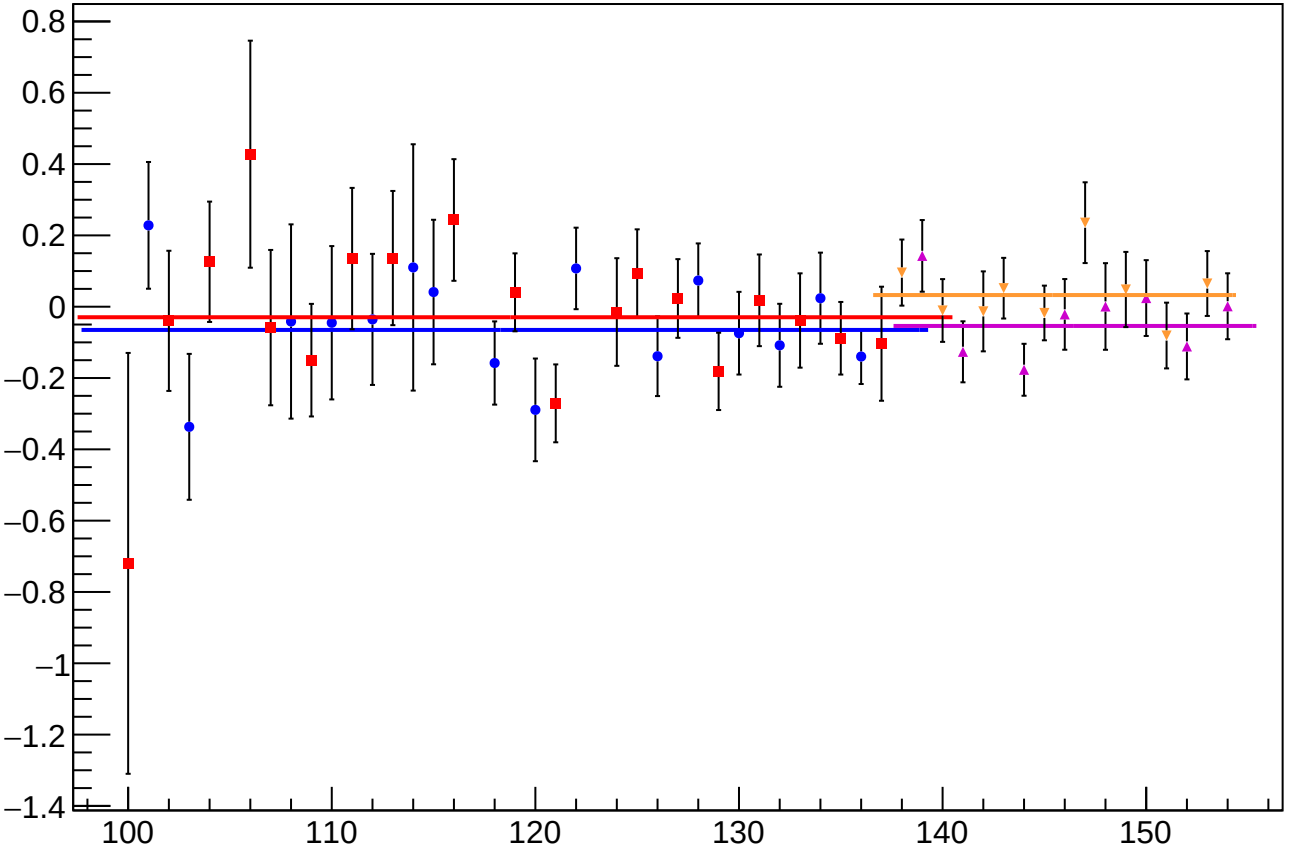
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.987+/-0.017 χ^2/NDF:1288163.8/23

Out: 83.602+/-0.016 χ^2/NDF:1194893.0/27

All: 84.750+/-0.012 χ^2/NDF: 2493783.9/51

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: -0.054+/-0.033 χ^2/NDF:9.0/7

Left: -0.008+/-0.023 χ^2/NDF: 18.9/16

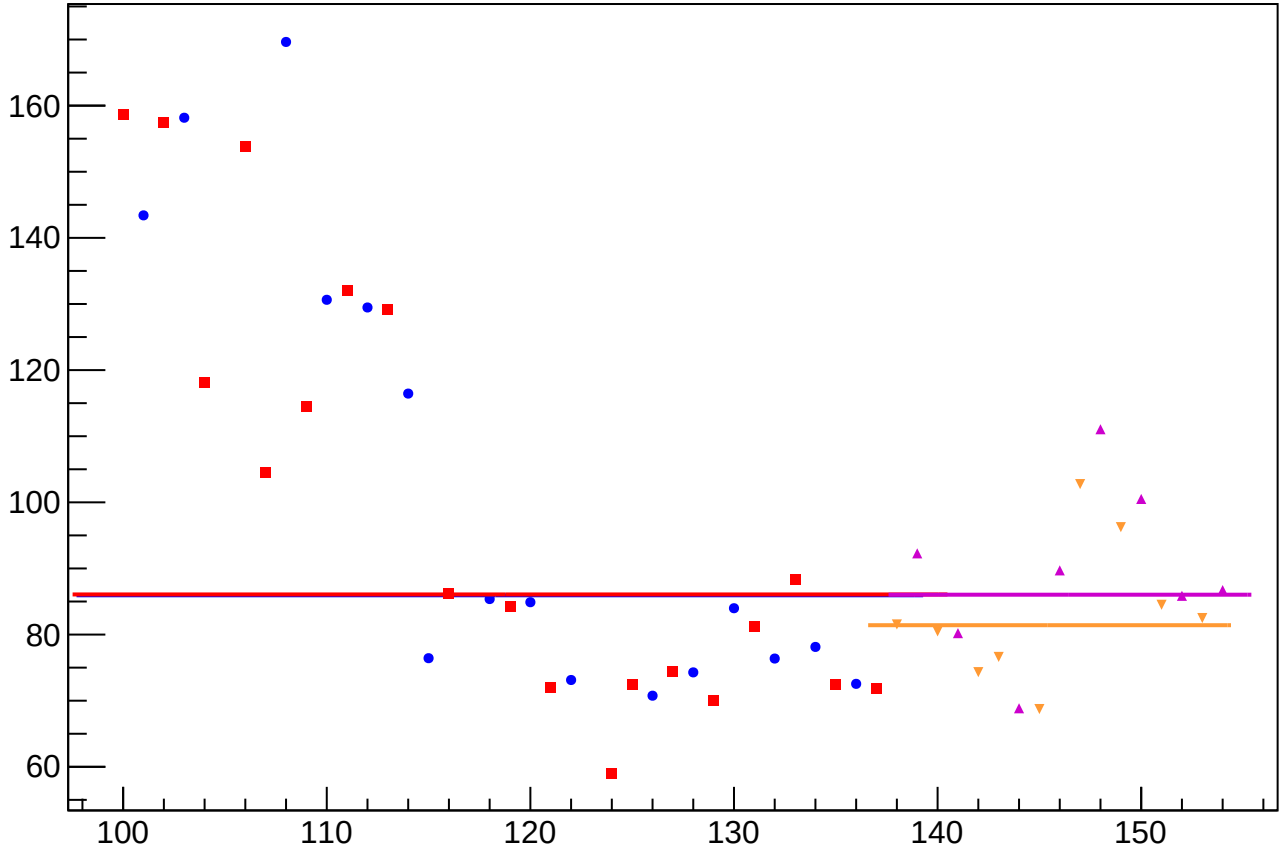
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.059+/-0.023 χ^2/NDF:23.2/23

Out: 0.003+/-0.023 χ^2/NDF:26.2/27

All: -0.027+/-0.016 χ^2/NDF: 53.2/51

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: 86.031+/-0.023 χ^2/NDF:253170.2/7

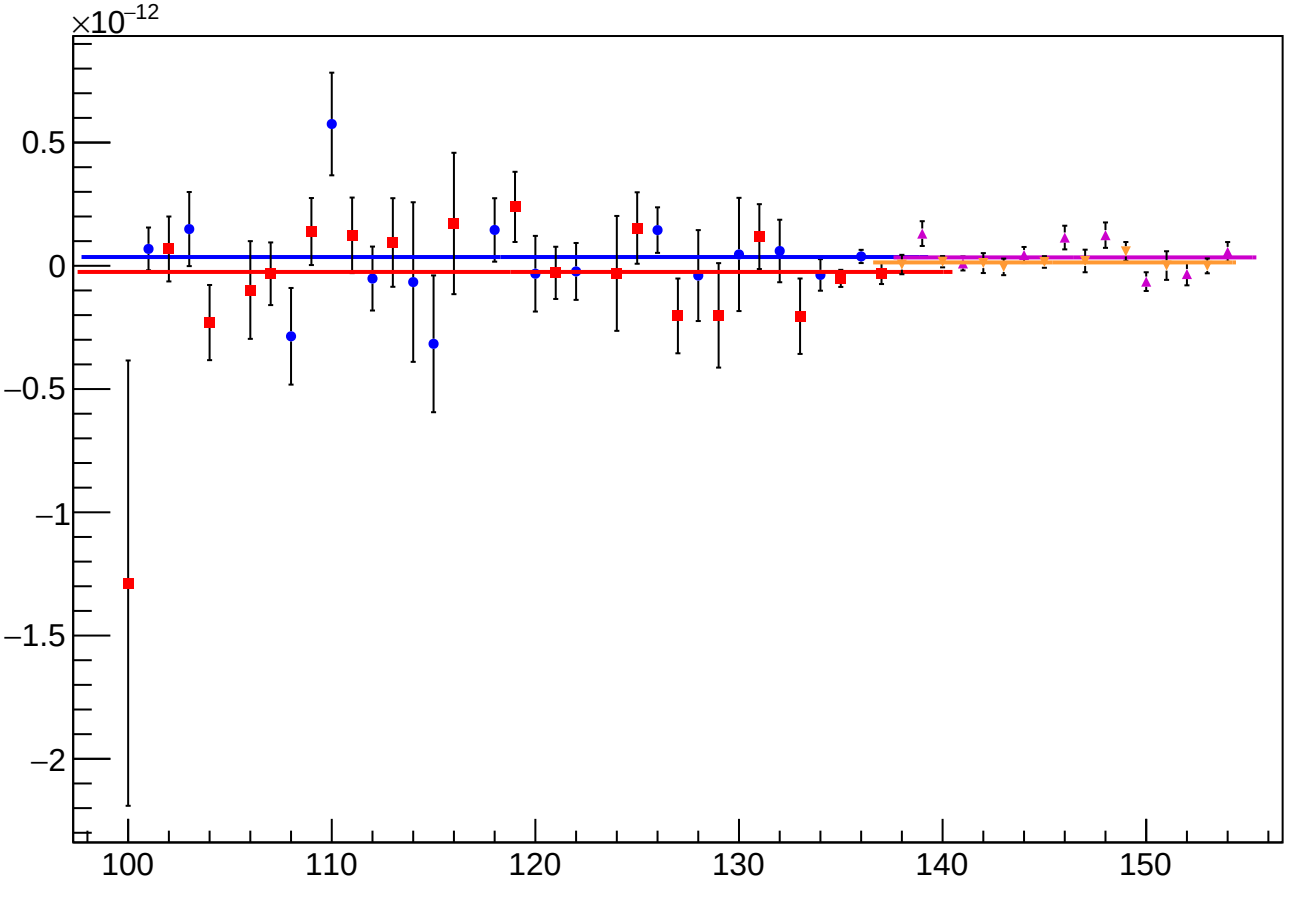
Left: 83.579+/-0.016 χ^2/NDF: 456289.4/16

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.987+/-0.017 χ^2/NDF:1288163.8/23

Out: 83.602+/-0.016 χ^2/NDF:1194893.0/27

All: 84.750+/-0.012 χ^2/NDF: 2493783.9/51



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:19.6/7

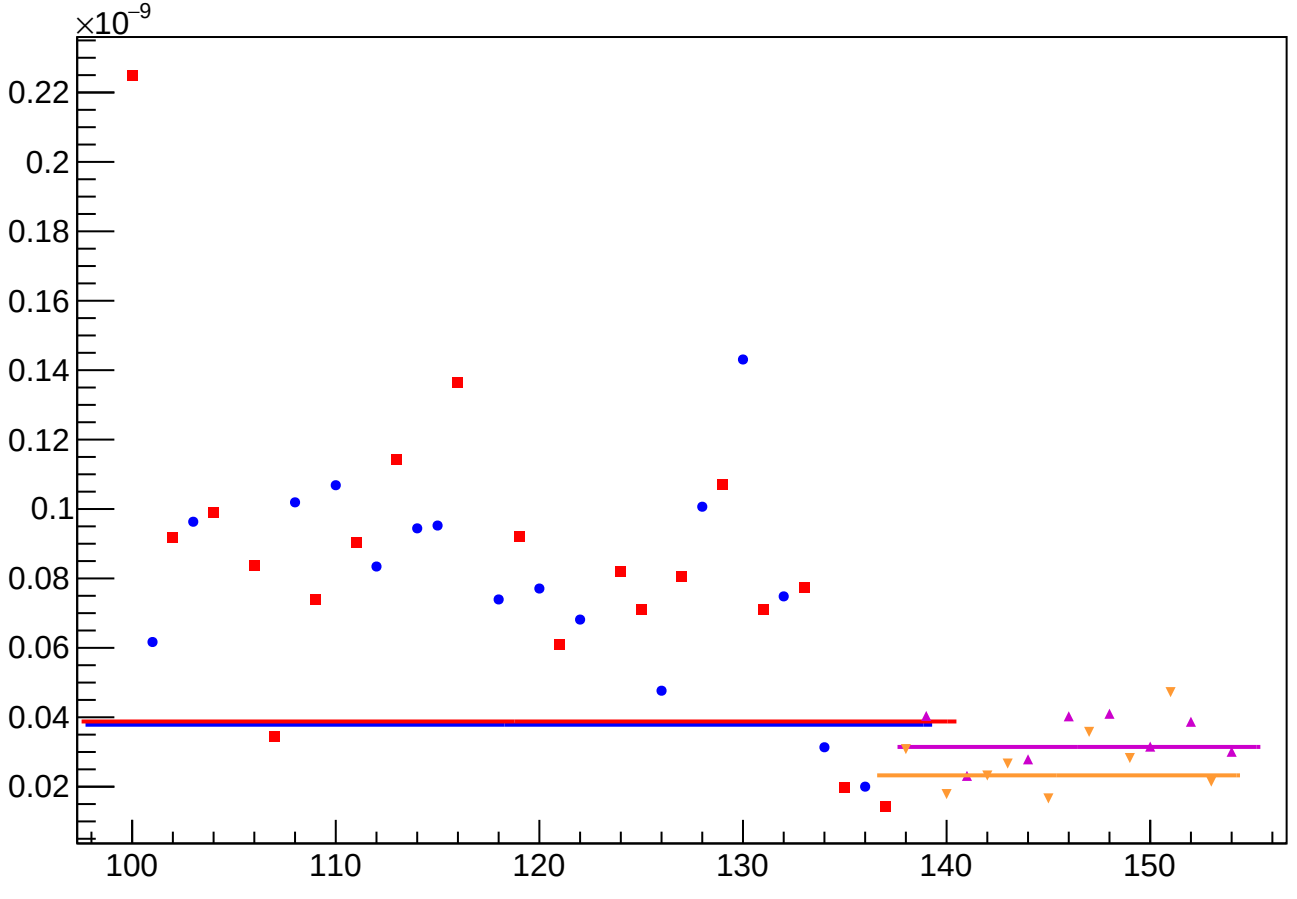
Left: 0.000+/-0.000 χ^2/NDF: 22.9/16

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:35.9/23

Out: 0.000+/-0.000 χ^2/NDF:22.4/27

All: 0.000+/-0.000 χ^2/NDF: 61.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:897551.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:446632.9/7

Left: 0.000+/-0.000 χ^2/NDF: 1774166.6/16

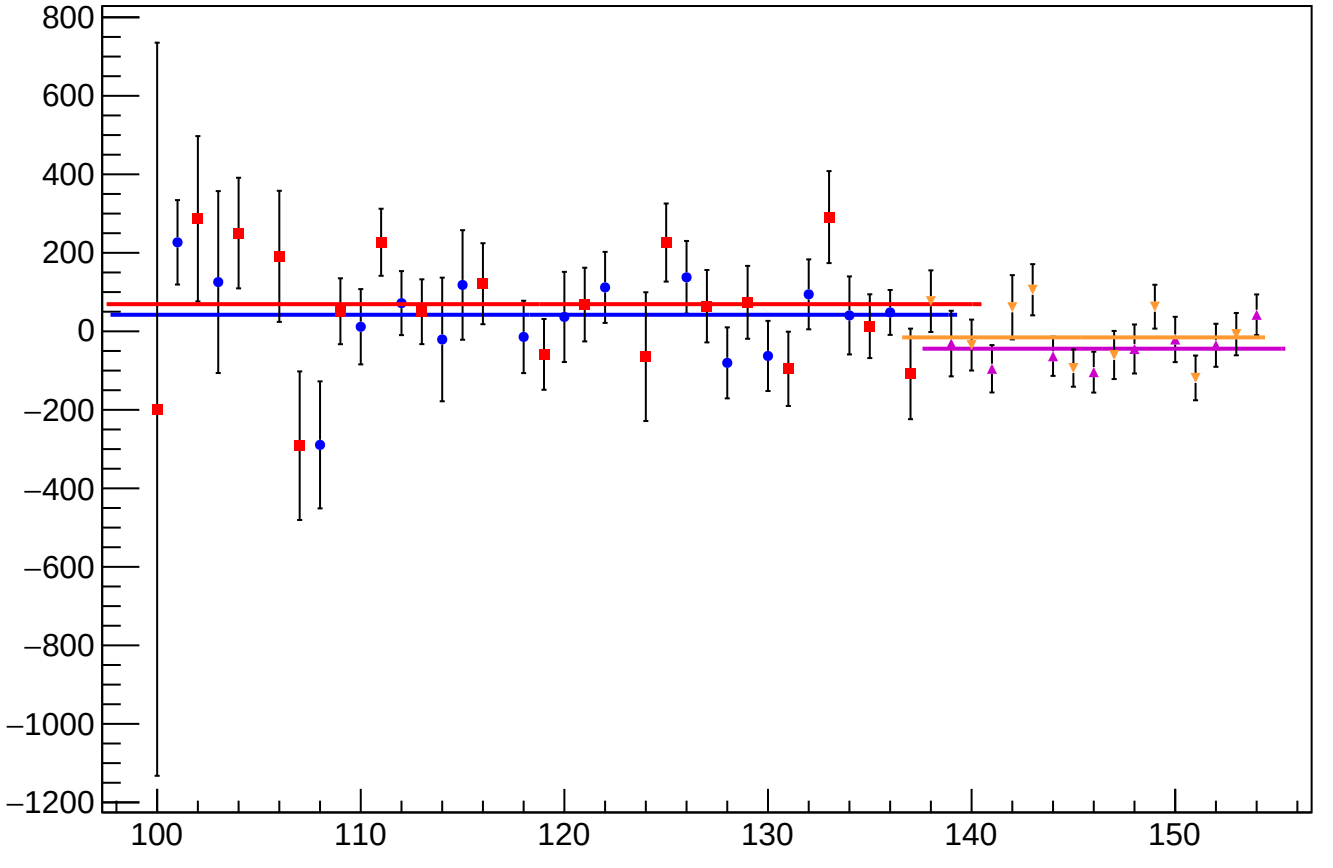
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:4035852.9/23

Out: 0.000+/-0.000 χ^2/NDF:5808589.5/27

All: 0.000+/-0.000 χ^2/NDF: 10295566.1/51

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: -44.244+/-20.206 χ^2/NDF:5.2/7

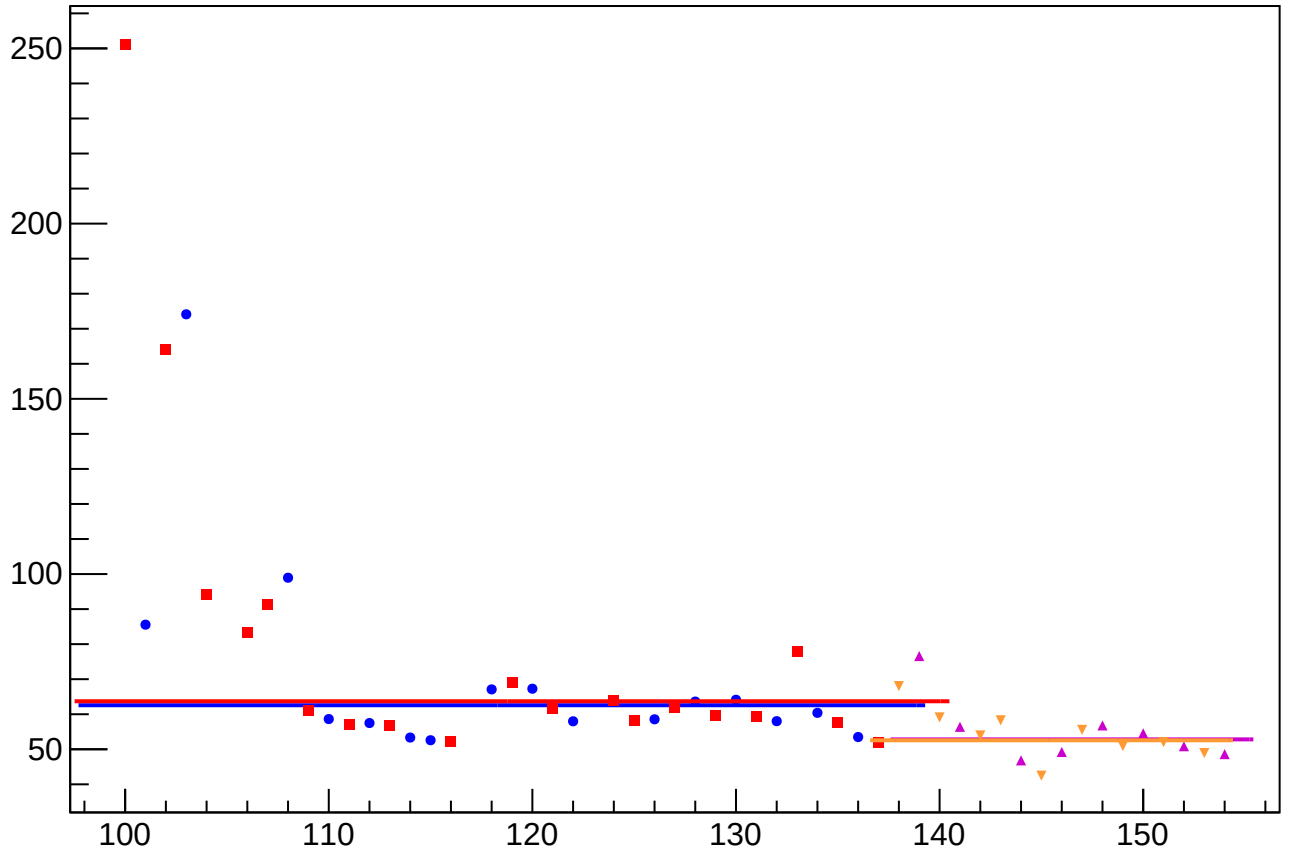
Left: -29.783+/-14.266 χ^2/NDF: 20.5/16

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -8.738+/-15.512 χ^2/NDF:26.2/23

Out: 18.873+/-15.539 χ^2/NDF:46.8/27

All: 5.044+/-10.978 χ^2/NDF: 74.7/51



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: 52.824+/-0.014 χ^2/NDF:233178.9/7

Left: 52.693+/-0.010 χ^2/NDF: 452891.1/16

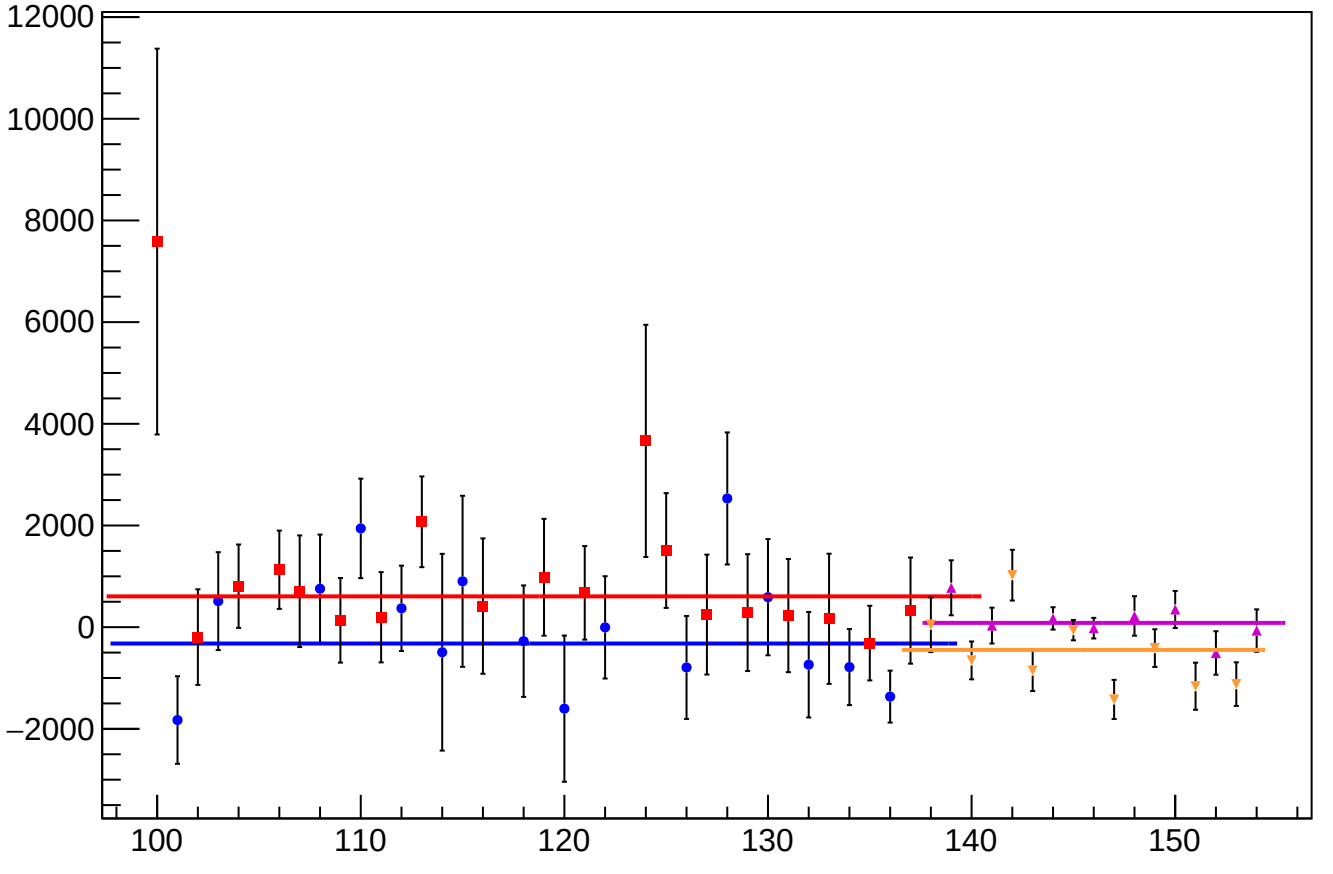
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 56.824+/-0.011 χ^2/NDF:1182687.2/23

Out: 57.073+/-0.011 χ^2/NDF:1301268.2/27

All: 56.948+/-0.008 χ^2/NDF: 2484211.5/51

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -446.996+/-119.599 χ^2/NDF:25.9/8

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 84.503+/-110.468 χ^2/NDF:4.8/7

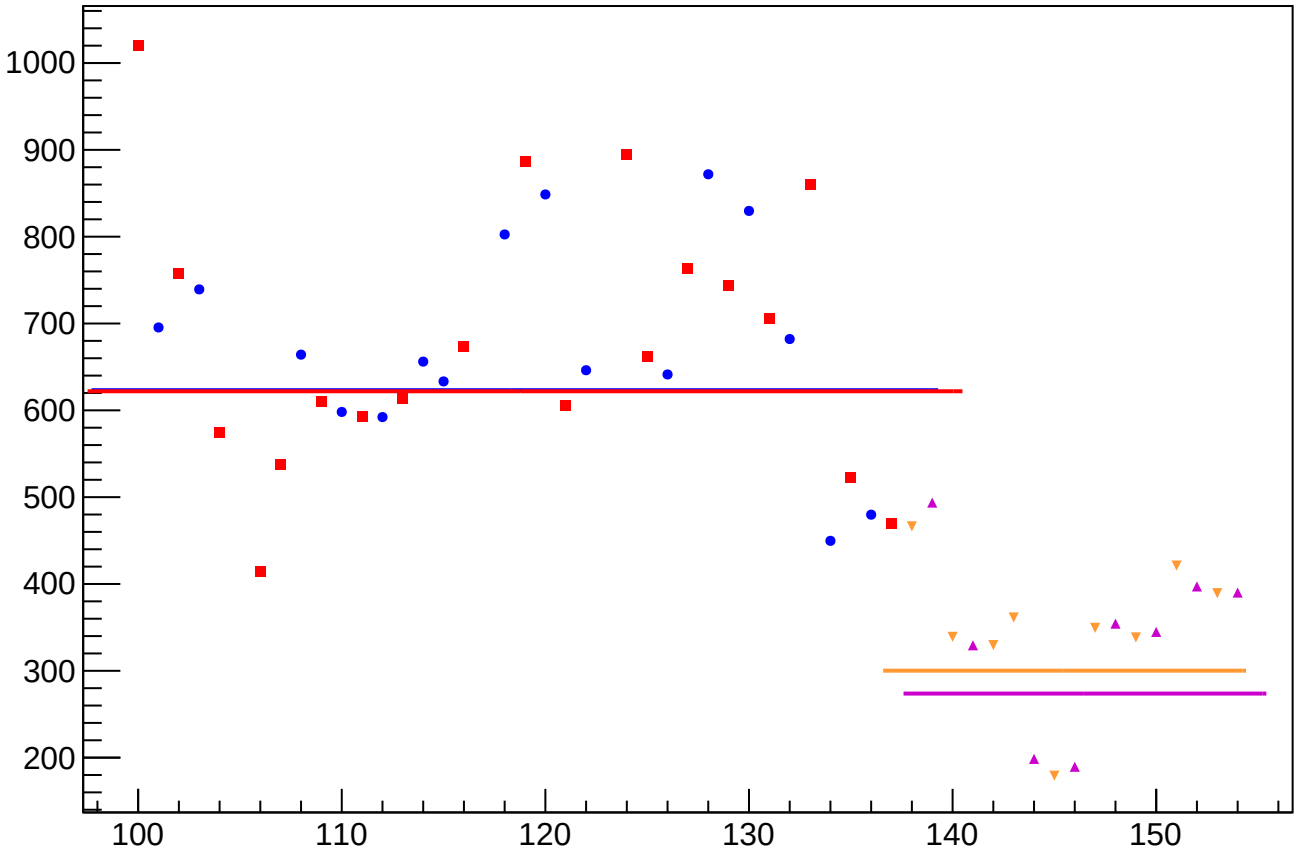
Left: -160.185+/-81.149 χ^2/NDF: 41.3/16

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 12.749+/-100.237 χ^2/NDF:29.9/23

Out: -228.396+/-106.462 χ^2/NDF:54.5/27

All: -100.567+/-72.980 χ^2/NDF: 87.1/51



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: 273.785+/-0.078 χ^2/NDF:1445614.1/7

Left: 285.933+/-0.057 χ^2/NDF: 2771127.6/16

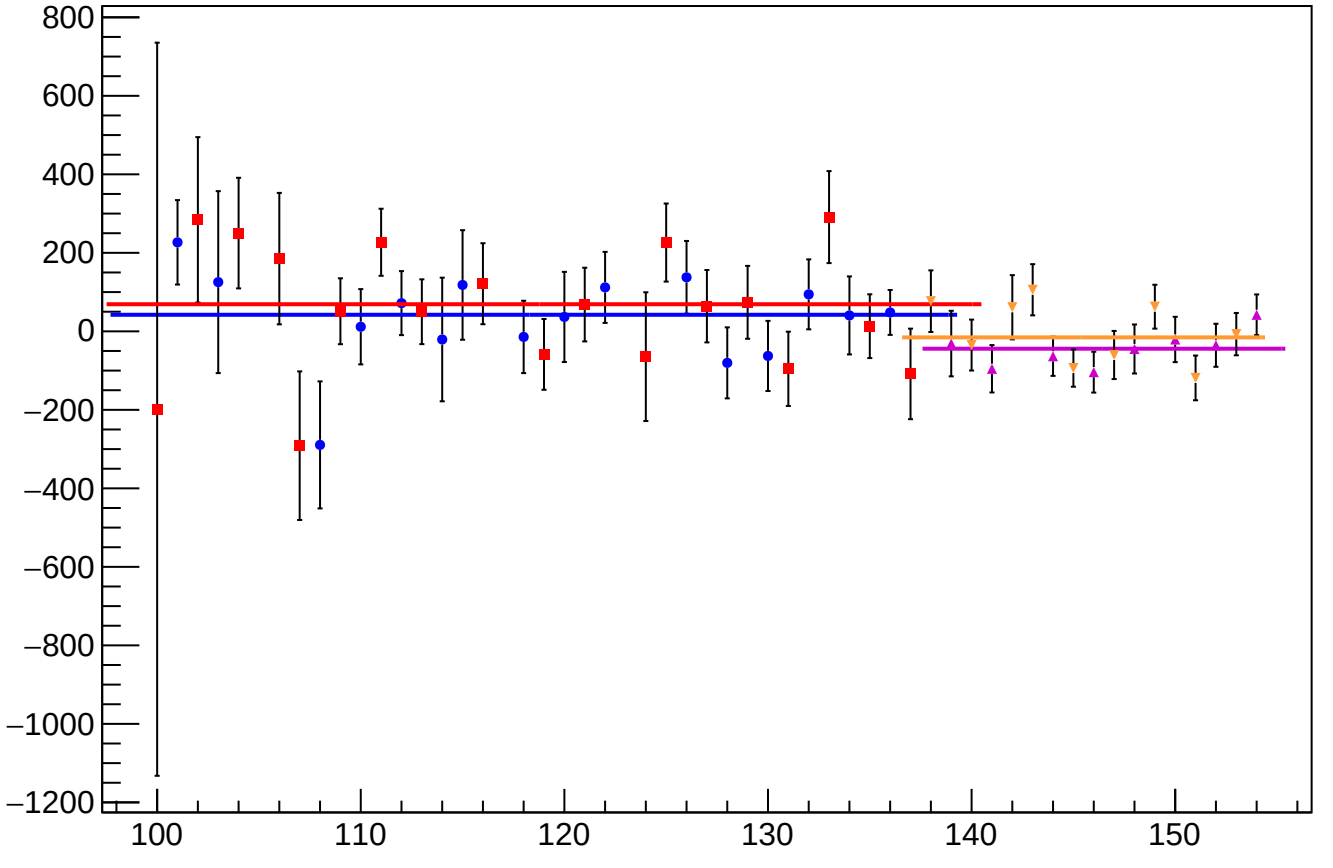
Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 335.510+/-0.071 χ^2/NDF:5545668.8/23

Out: 366.987+/-0.075 χ^2/NDF:4861867.1/27

All: 350.301+/-0.052 χ^2/NDF: 10500216.3/51

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -44.244+/-20.206 χ^2/NDF:5.2/7

Left: -29.781+/-14.266 χ^2/NDF: 20.5/16

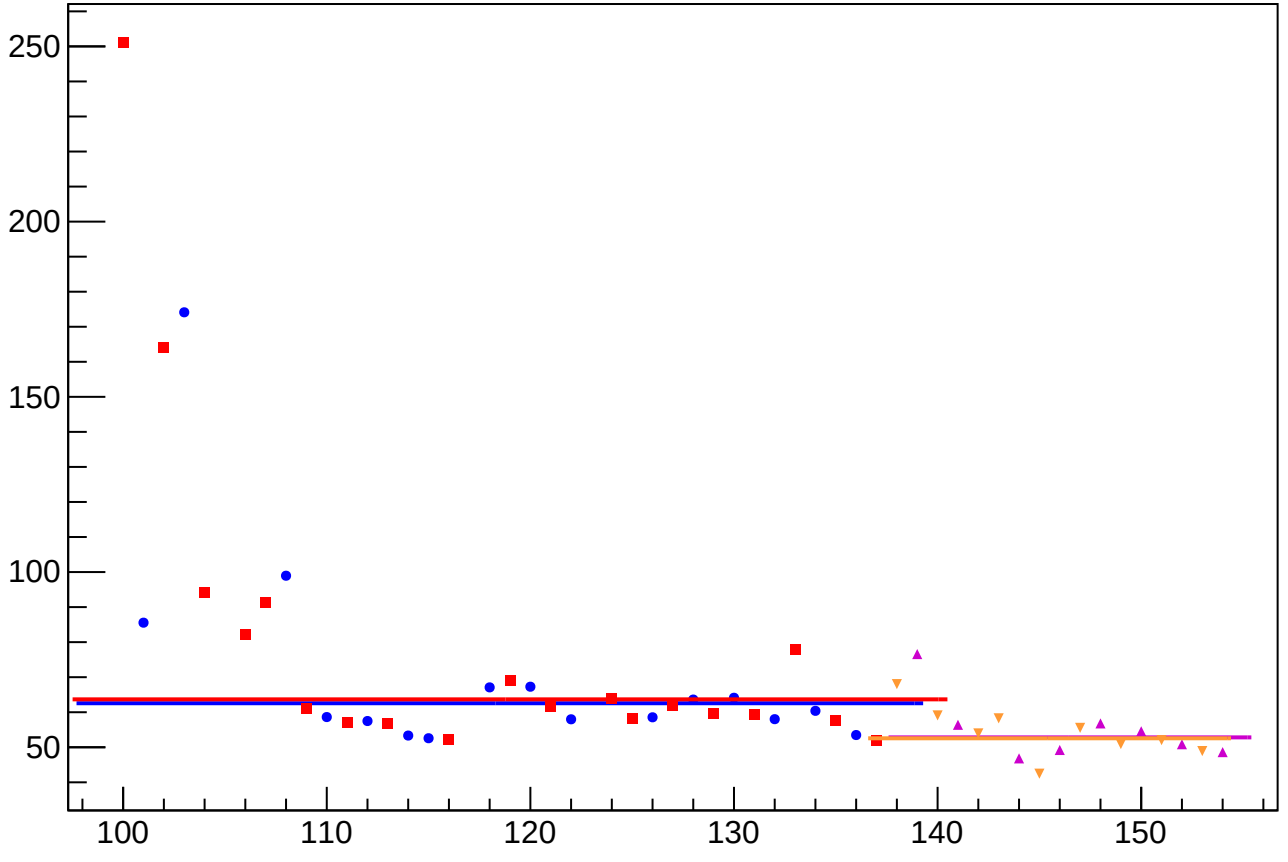
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -8.740+/-15.512 χ^2/NDF:26.2/23

Out: 18.800+/-15.539 χ^2/NDF:46.7/27

All: 5.006+/-10.978 χ^2/NDF: 74.5/51

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: 52.824+/-0.014 χ^2/NDF:233178.9/7

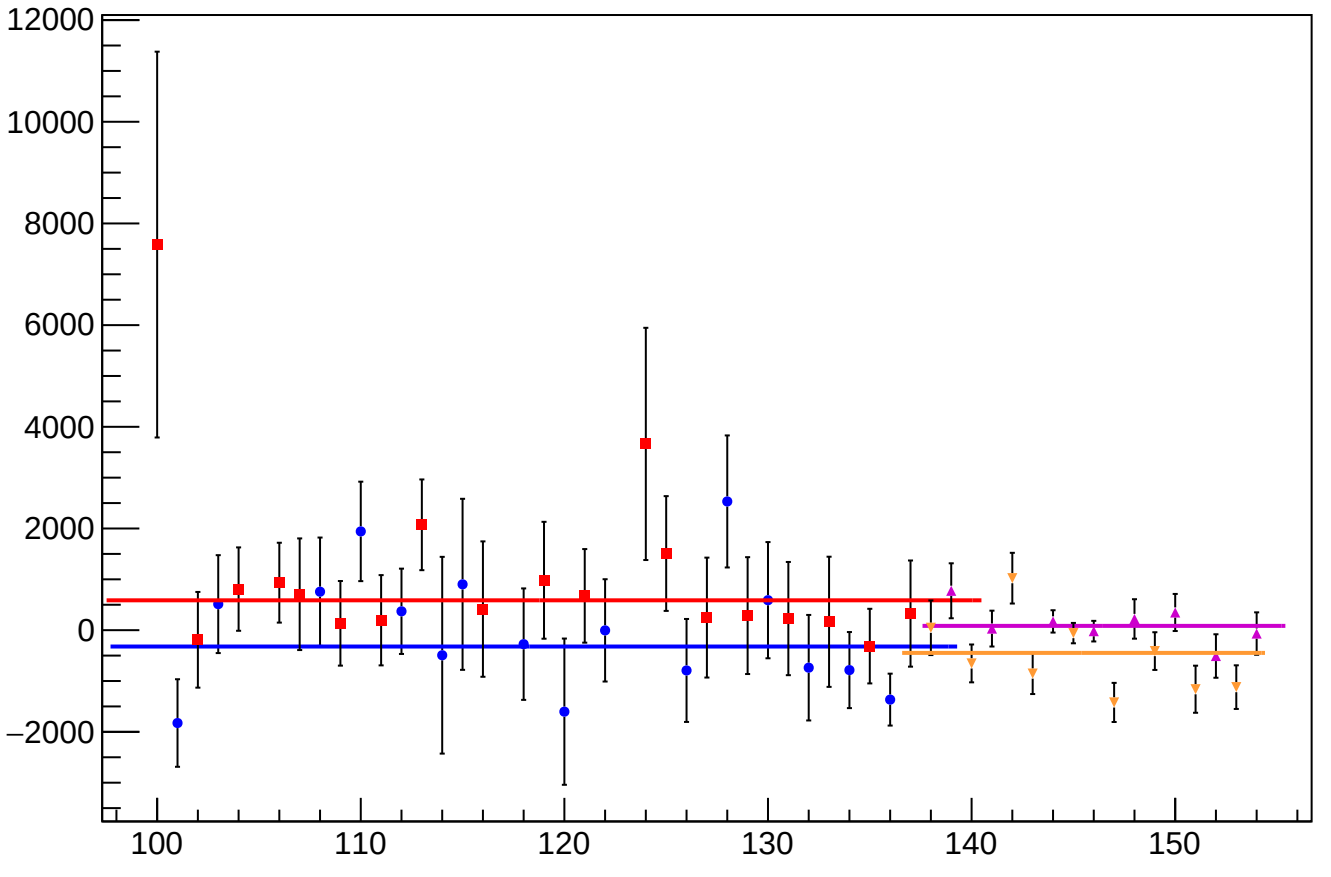
Left: 52.693+/-0.010 χ^2/NDF: 452891.1/16

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 56.824+/-0.011 χ^2/NDF:1182689.2/23

Out: 57.062+/-0.011 χ^2/NDF:1297430.7/27

All: 56.943+/-0.008 χ^2/NDF: 2480355.6/51



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: 84.507+/-110.468 χ^2/NDF:4.8/7

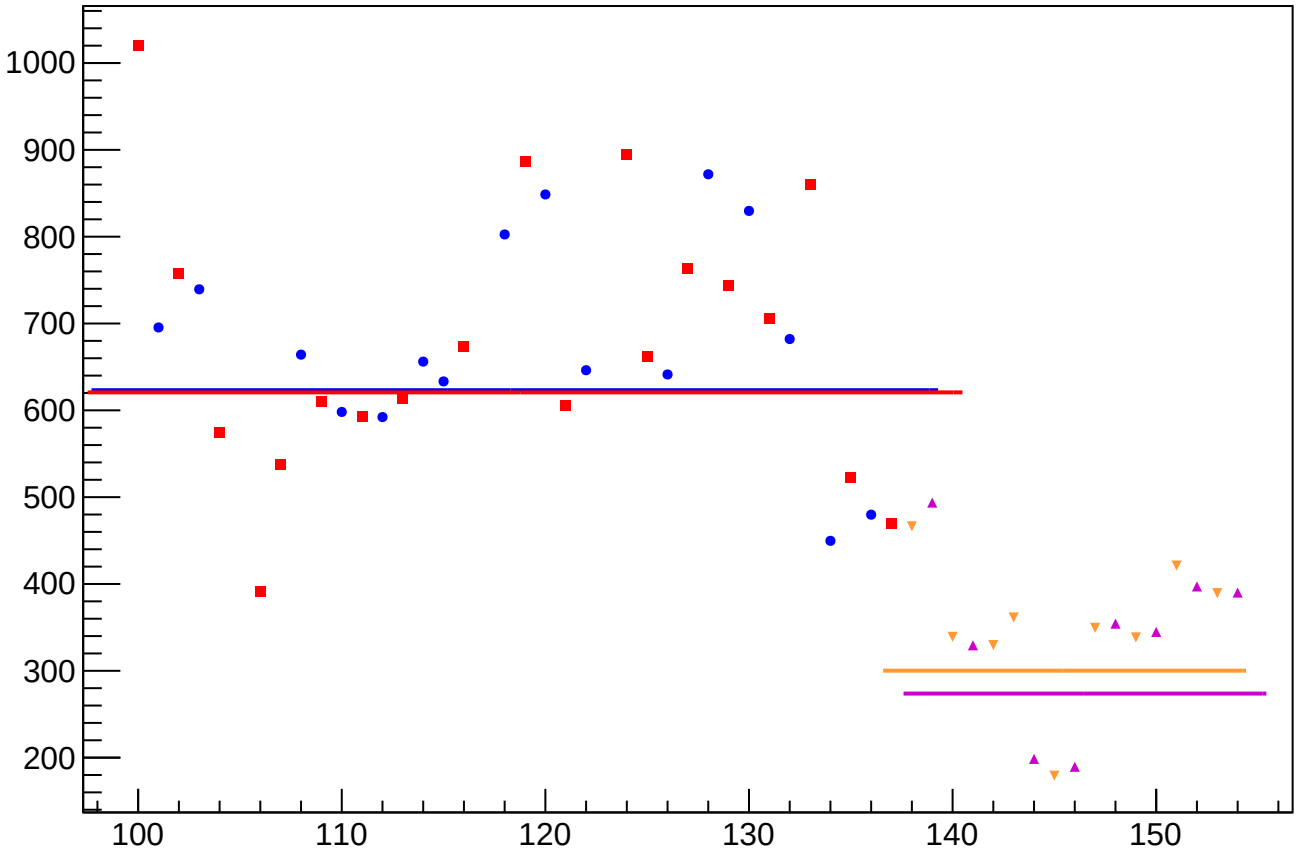
Left: -160.182+/-81.149 χ^2/NDF: 41.3/16

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 12.754+/-100.237 χ^2/NDF:29.9/23

Out: -232.898+/-106.503 χ^2/NDF:53.6/27

All: -102.633+/-72.993 χ^2/NDF: 86.2/51



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: 273.785+/-0.078 χ^2/NDF:1445620.1/7

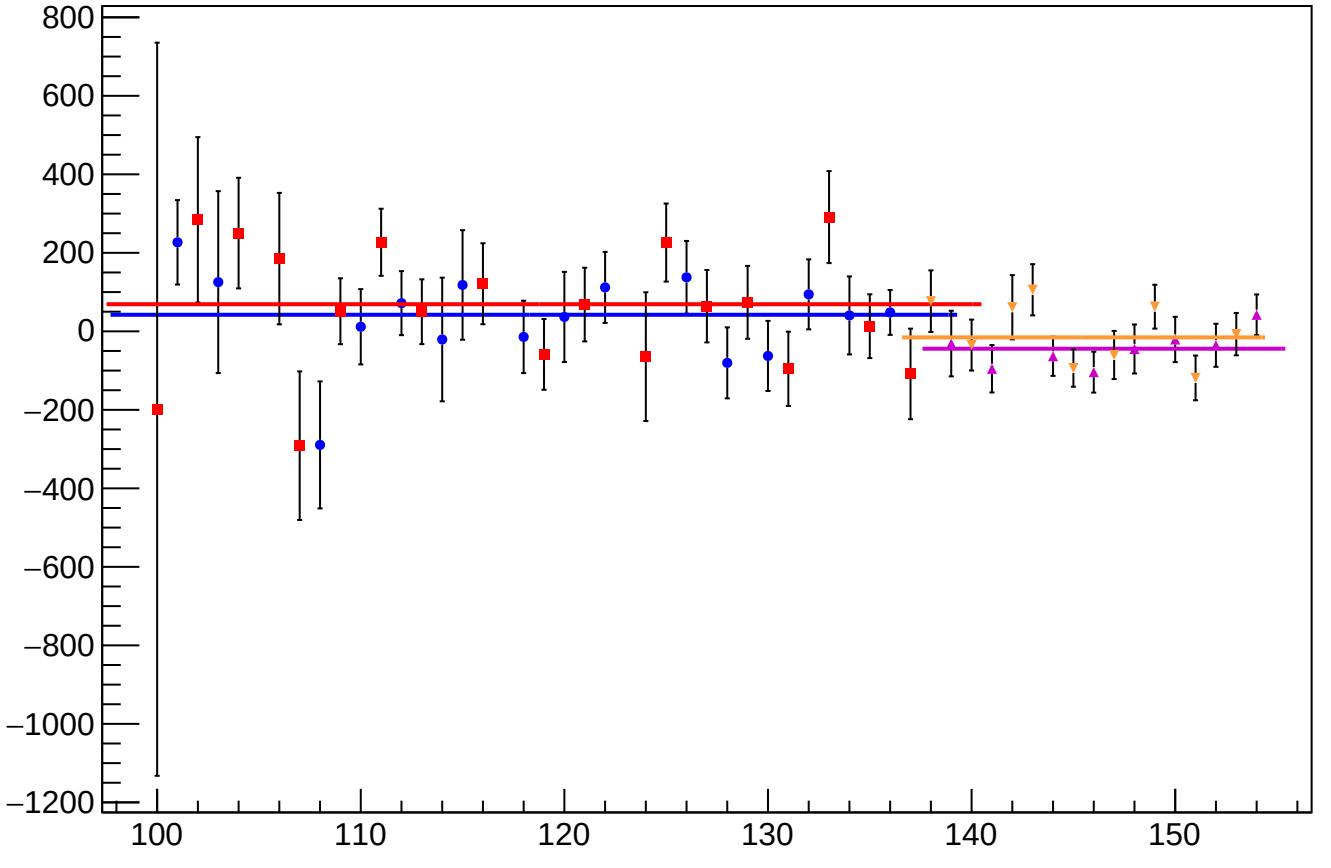
Left: 285.933+/-0.057 χ^2/NDF: 2771139.3/16

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 335.509+/-0.071 χ^2/NDF:5545735.8/23

Out: 366.520+/-0.075 χ^2/NDF:4856720.3/27

All: 350.075+/-0.052 χ^2/NDF: 10492370.1/51



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: -44.244+/-20.206 χ^2/NDF:5.2/7

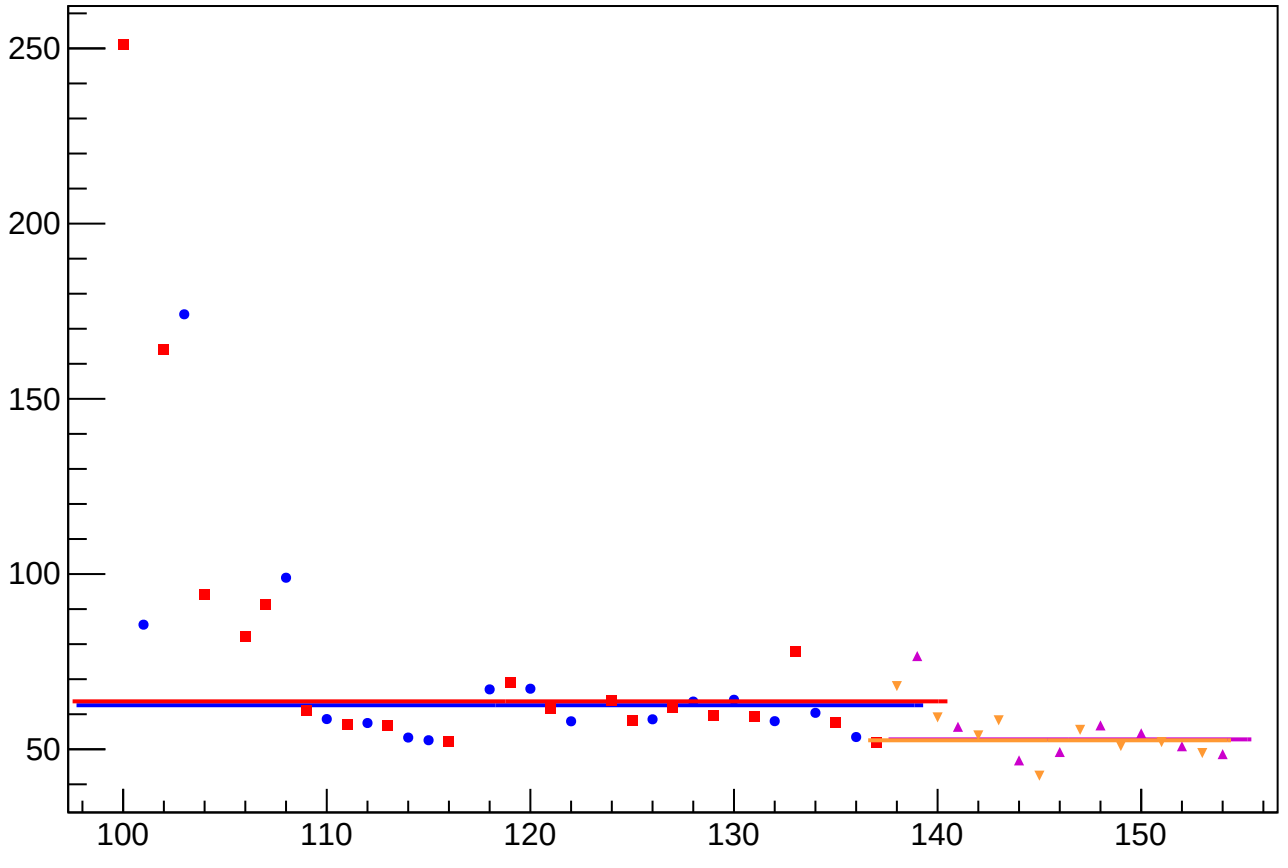
Left: -29.781+/-14.266 χ^2/NDF: 20.5/16

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -8.740+/-15.512 χ^2/NDF:26.2/23

Out: 18.800+/-15.539 χ^2/NDF:46.7/27

All: 5.006+/-10.978 χ^2/NDF: 74.5/51



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: 52.824+/-0.014 χ^2/NDF:233178.9/7

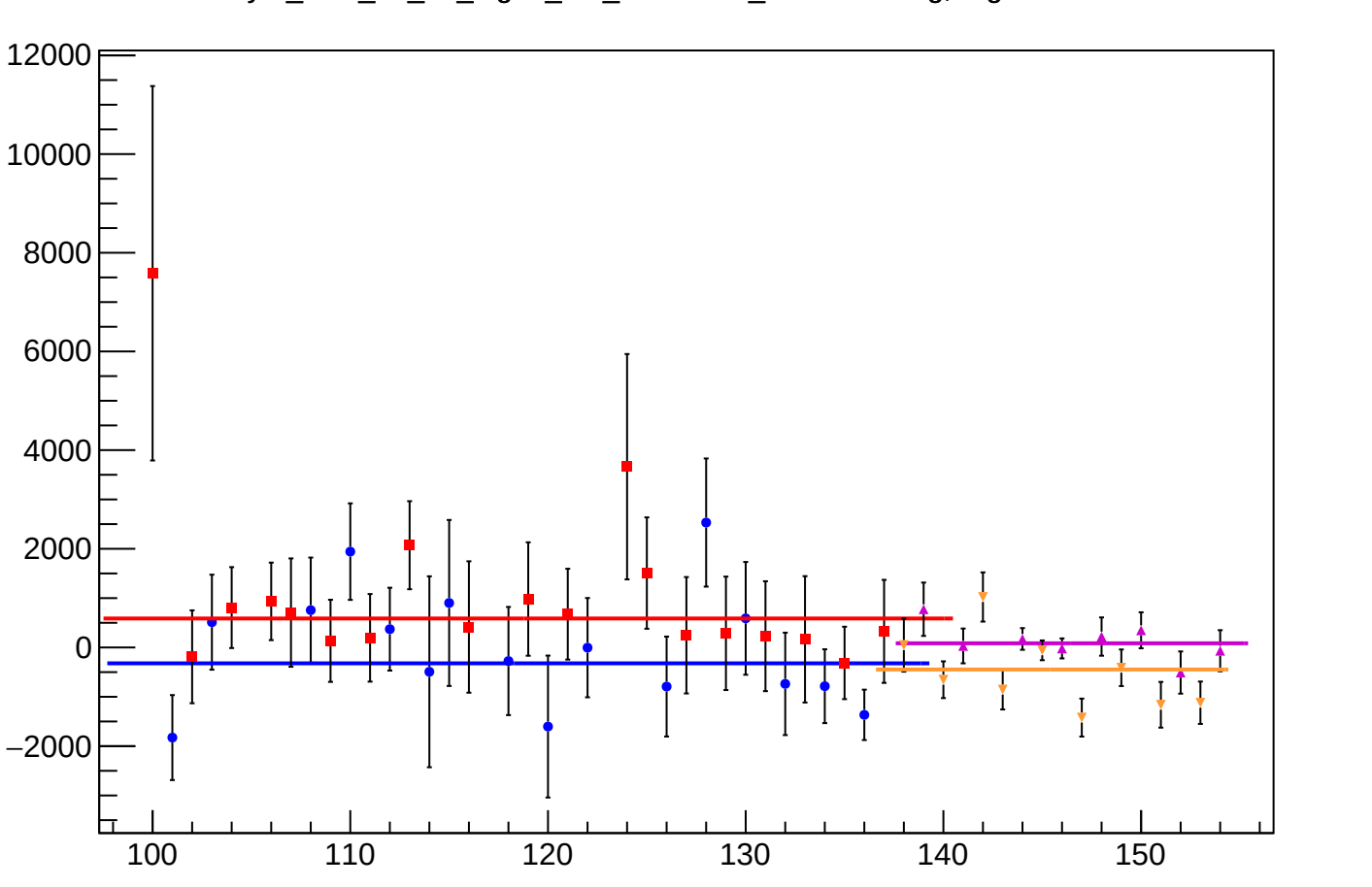
Left: 52.693+/-0.010 χ^2/NDF: 452891.1/16

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 56.824+/-0.011 χ^2/NDF:1182689.2/23

Out: 57.062+/-0.011 χ^2/NDF:1297430.7/27

All: 56.943+/-0.008 χ^2/NDF: 2480355.6/51



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: 84.507+/-110.468 χ^2/NDF:4.8/7

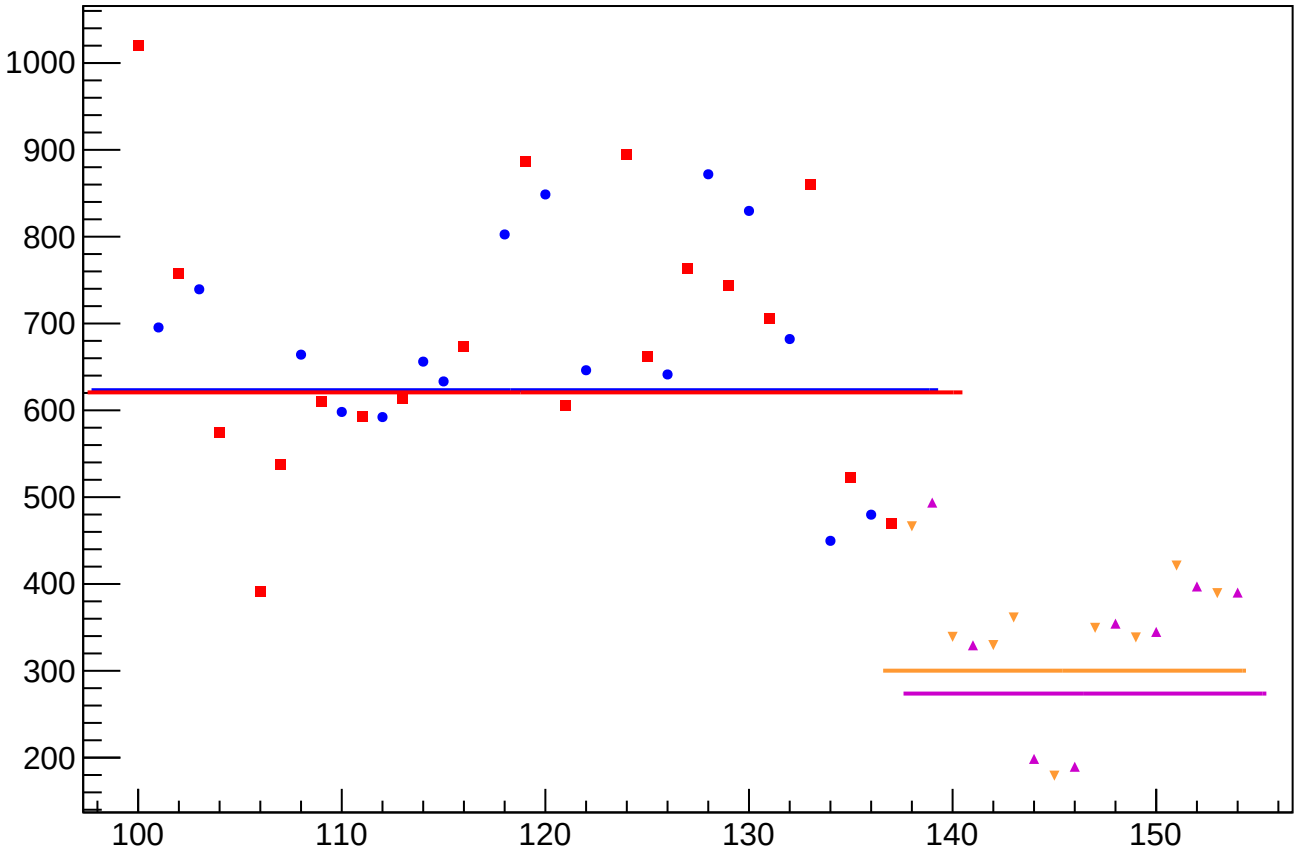
Left: -160.182+/-81.149 χ^2/NDF: 41.3/16

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 12.754+/-100.237 χ^2/NDF:29.9/23

Out: -232.898+/-106.503 χ^2/NDF:53.6/27

All: -102.633+/-72.993 χ^2/NDF: 86.2/51



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: 273.785+/-0.078 χ^2/NDF:1445620.1/7

Left: 285.933+/-0.057 χ^2/NDF: 2771139.3/16

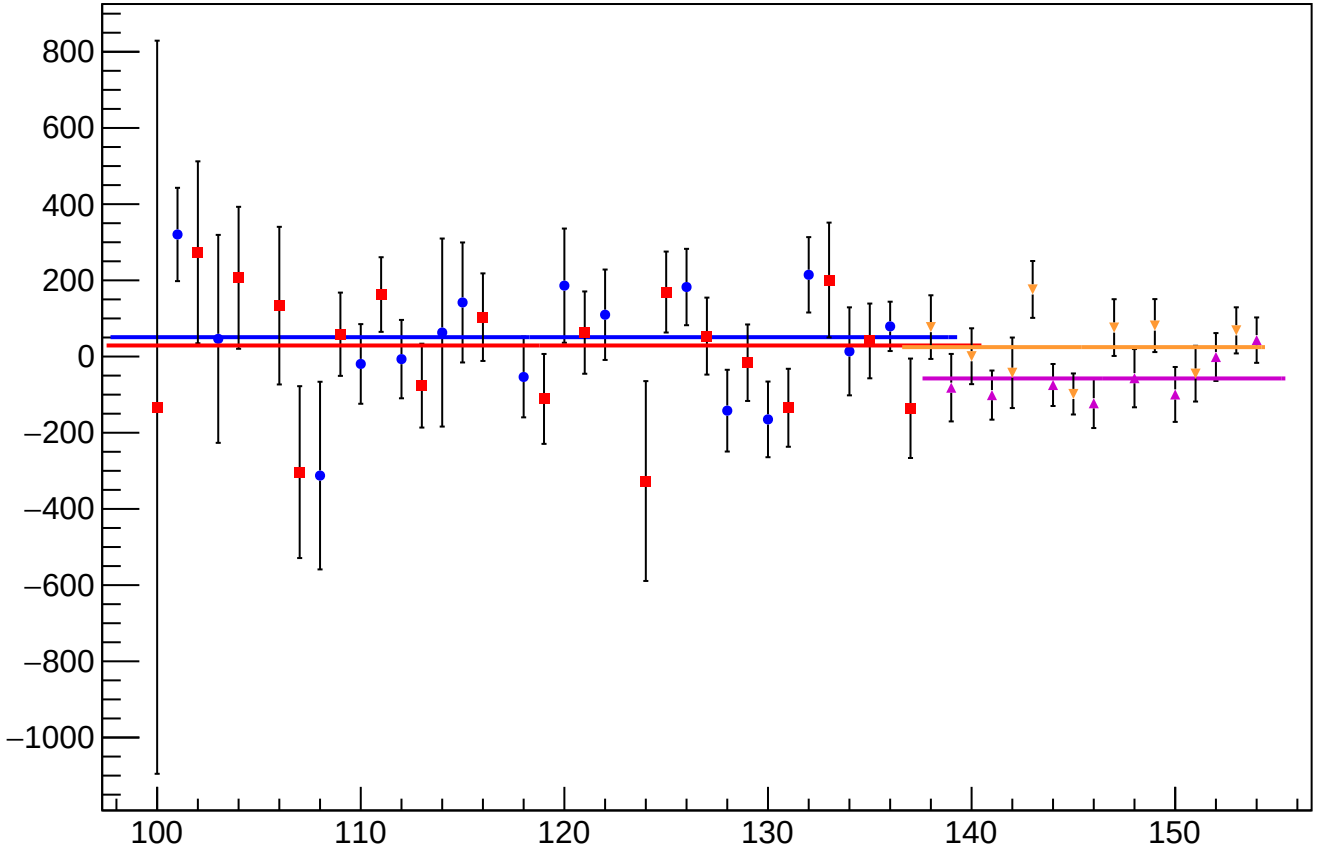
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 335.509+/-0.071 χ^2/NDF:5545735.8/23

Out: 366.520+/-0.075 χ^2/NDF:4856720.3/27

All: 350.075+/-0.052 χ^2/NDF: 10492370.1/51

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -57.495+/-23.365 χ^2/NDF:5.6/7

Left: -16.558+/-16.556 χ^2/NDF: 24.7/16

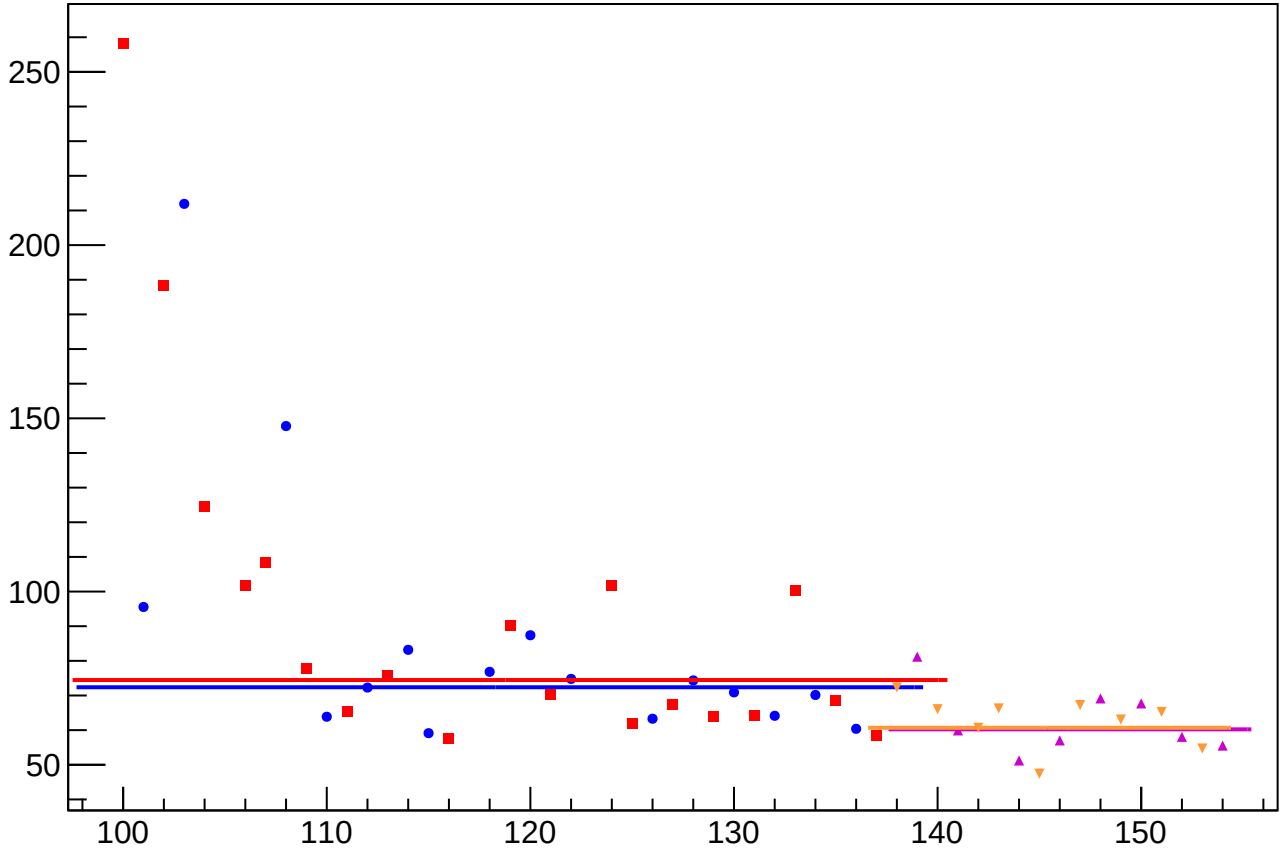
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -13.611+/-18.022 χ^2/NDF:37.2/23

Out: 26.434+/-18.217 χ^2/NDF:31.4/27

All: 6.195+/-12.812 χ^2/NDF: 71.1/51

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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: 60.225+/-0.017 χ^2/NDF:233857.6/7

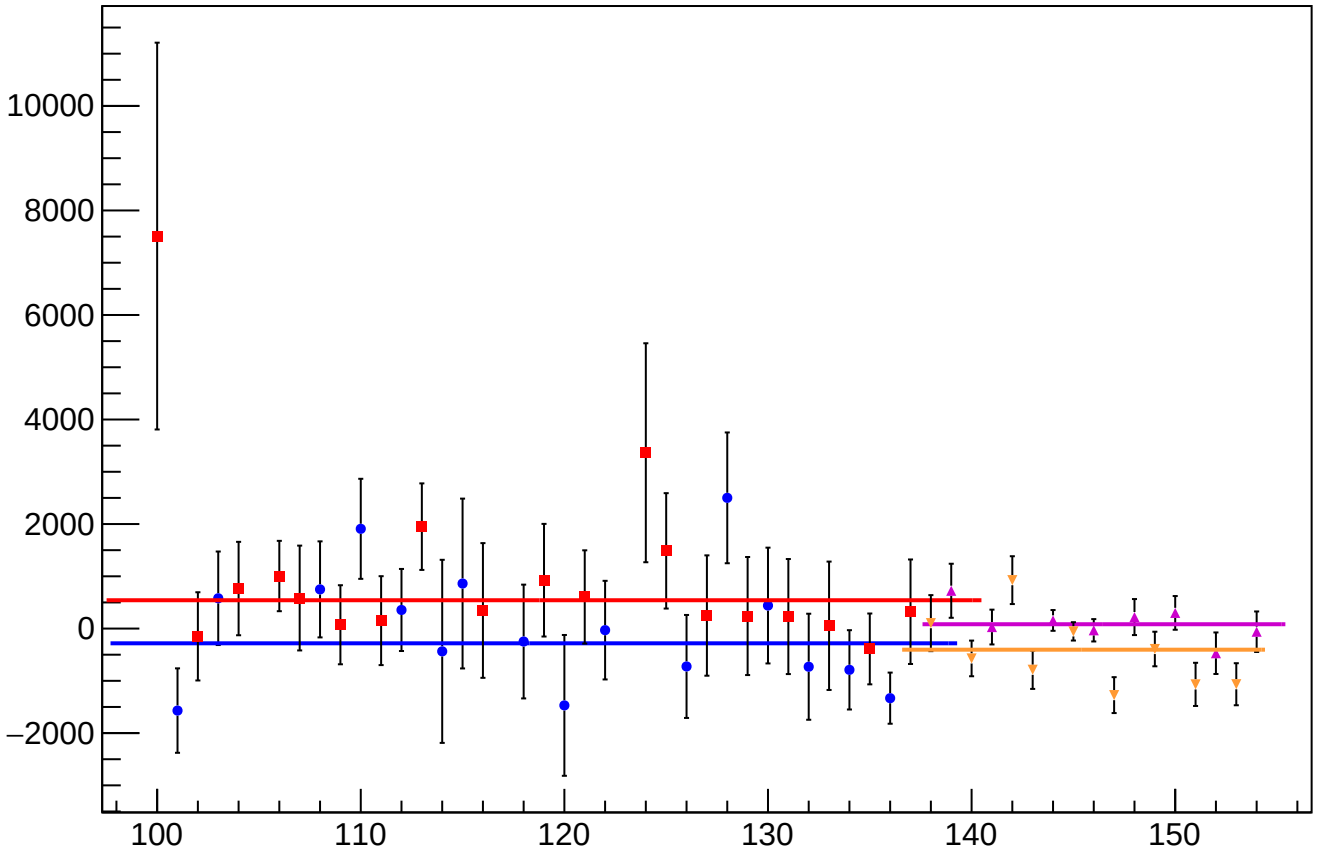
Left: 60.456+/-0.012 χ^2/NDF: 461483.2/16

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 65.148+/-0.013 χ^2/NDF:1391194.0/23

Out: 66.158+/-0.013 χ^2/NDF:1553311.5/27

All: 65.648+/-0.009 χ^2/NDF: 2947614.0/51



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: 82.925+/-104.834 χ^2/NDF:4.7/7

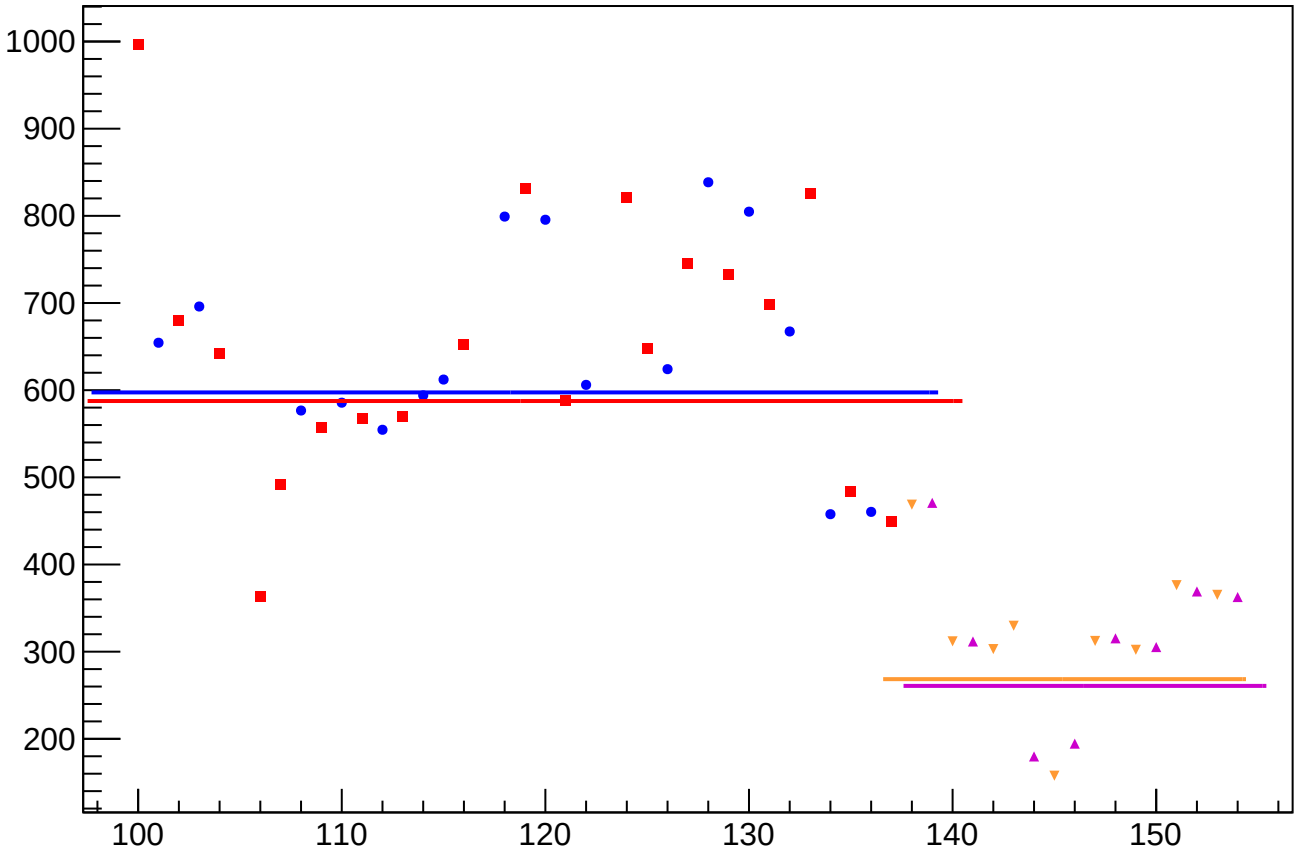
Left: -154.374+/-75.075 χ^2/NDF: 41.6/16

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 19.135+/-95.232 χ^2/NDF:29.6/23

Out: -222.843+/-96.708 χ^2/NDF:54.5/27

All: -99.994+/-67.855 χ^2/NDF: 87.2/51



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: 260.740+/-0.074 χ^2/NDF:1275985.1/7

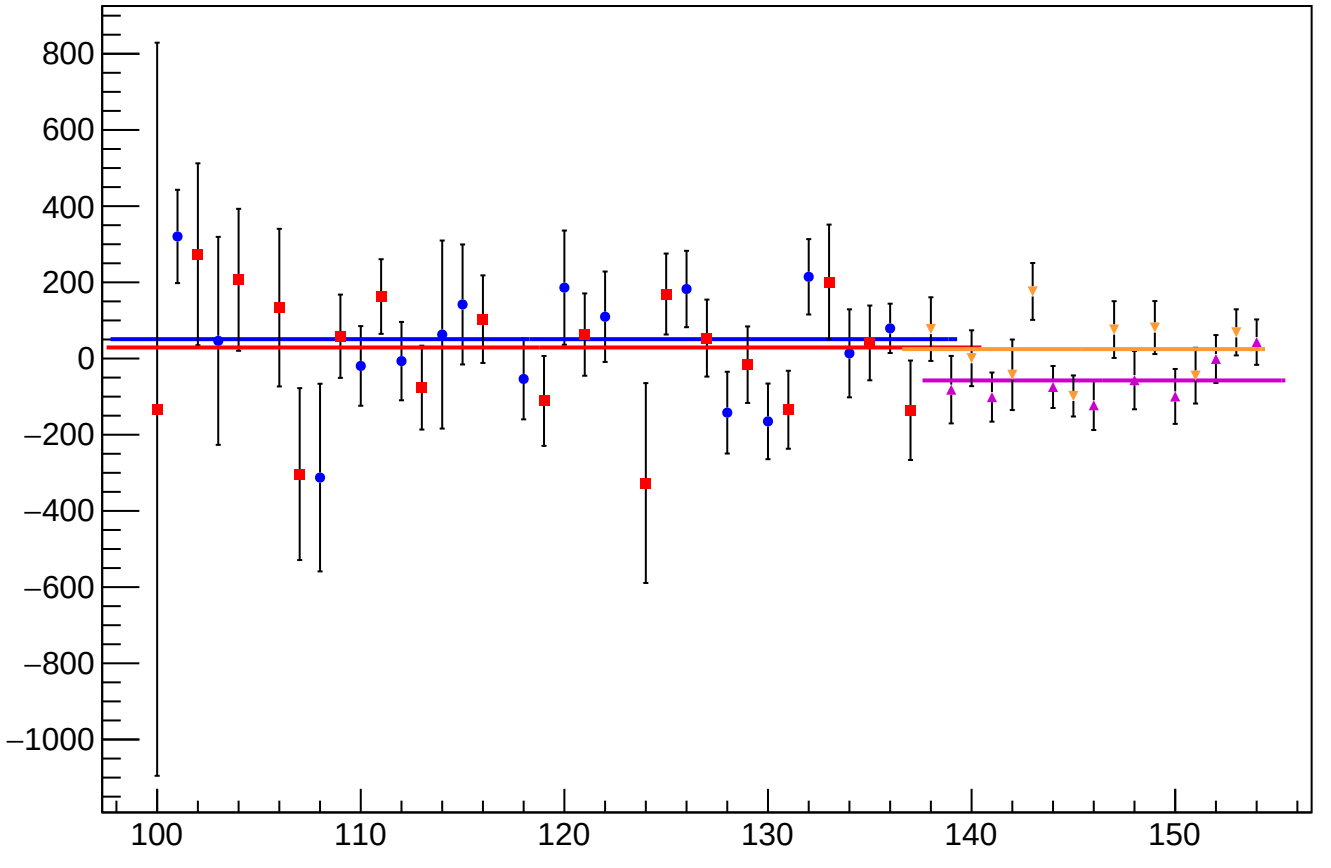
Left: 264.510+/-0.053 χ^2/NDF: 2762022.2/16

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 319.590+/-0.067 χ^2/NDF:5415661.8/23

Out: 329.633+/-0.068 χ^2/NDF:5542906.1/27

All: 324.534+/-0.048 χ^2/NDF: 10969519.1/51



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: -57.495+/-23.365 χ^2/NDF:5.6/7

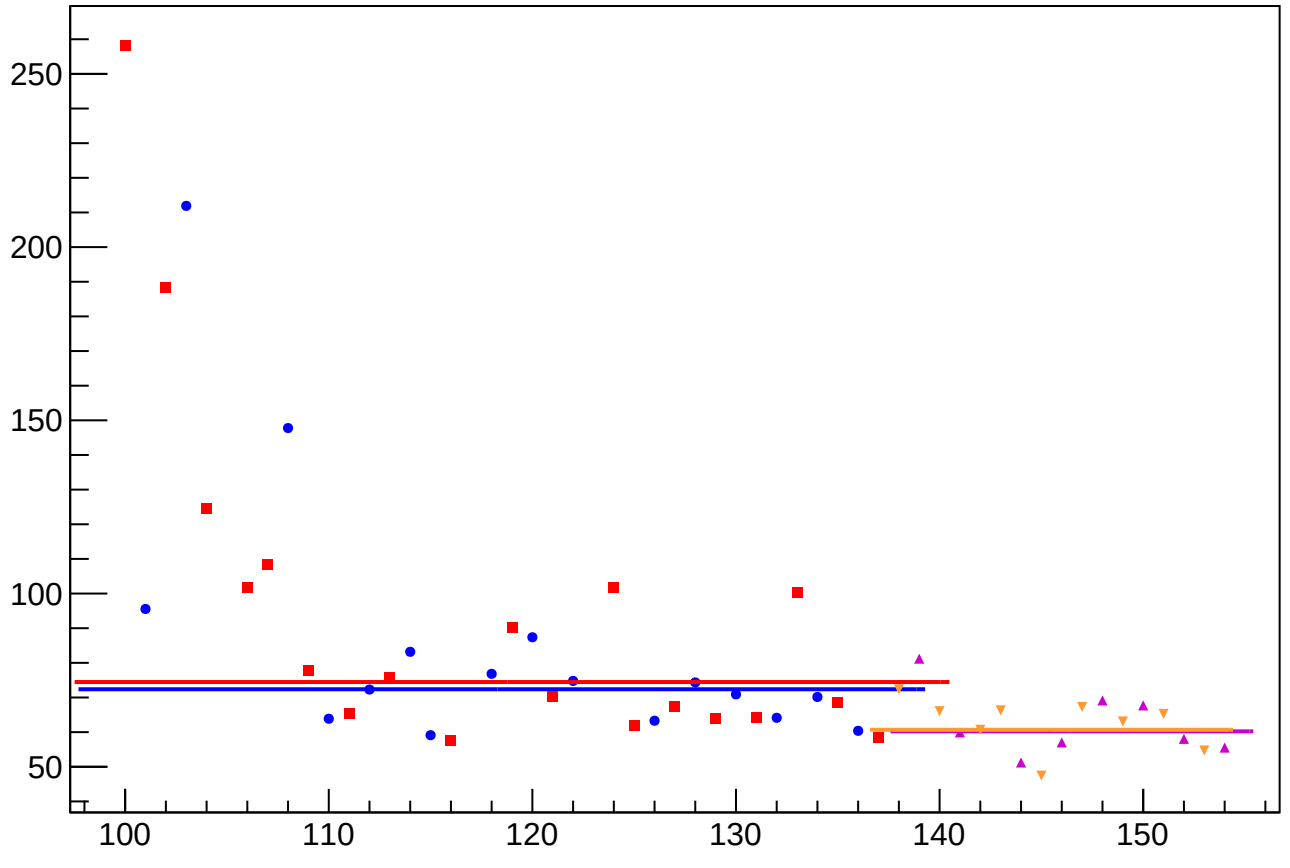
Left: -16.558+/-16.556 χ^2/NDF: 24.7/16

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -13.611+/-18.022 χ^2/NDF:37.2/23

Out: 26.434+/-18.218 χ^2/NDF:31.4/27

All: 6.196+/-12.812 χ^2/NDF: 71.1/51



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: 60.225+/-0.017 χ^2/NDF:233859.0/7

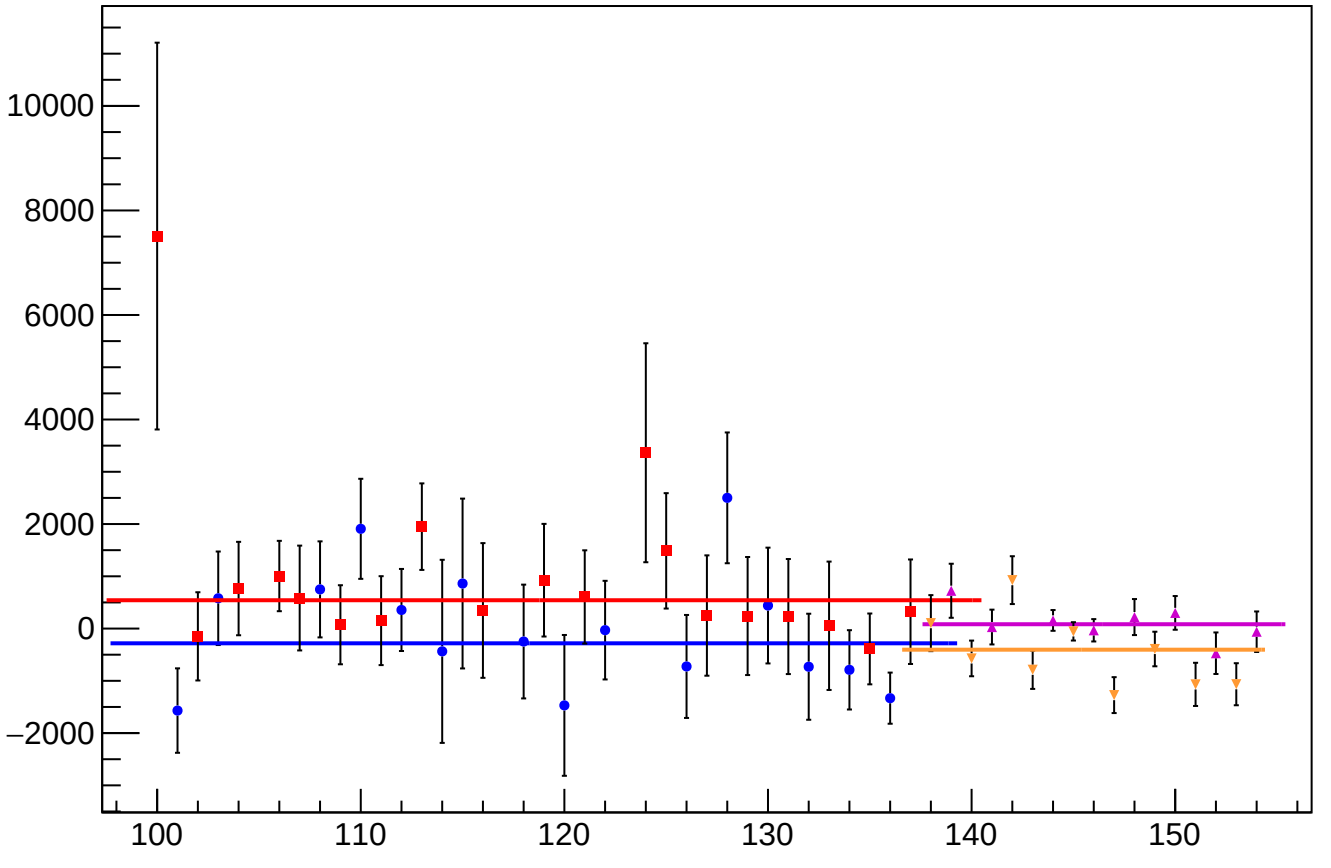
Left: 60.456+/-0.012 χ^2/NDF: 461494.7/16

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 65.148+/-0.013 χ^2/NDF:1391187.9/23

Out: 66.158+/-0.013 χ^2/NDF:1553302.5/27

All: 65.648+/-0.009 χ^2/NDF: 2947599.2/51



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: 82.924+/-104.834 χ^2/NDF:4.7/7

Left: -154.374+/-75.075 χ^2/NDF: 41.6/16

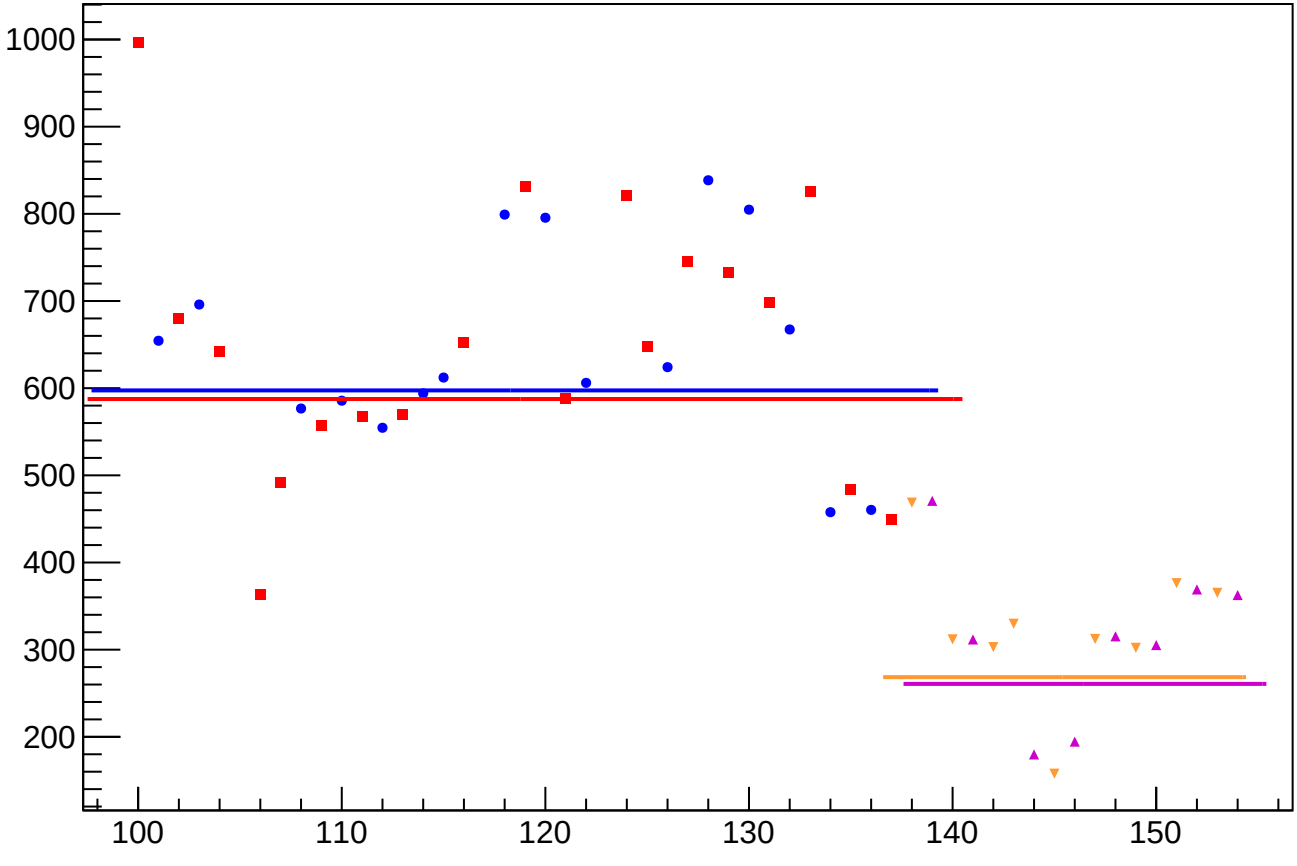
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 19.135+/-95.232 χ^2/NDF:29.6/23

Out: -222.844+/-96.708 χ^2/NDF:54.5/27

All: -99.995+/-67.855 χ^2/NDF: 87.2/51

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 268.479+/-0.076 χ^2/NDF:1480718.6/8

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 260.740+/-0.074 χ^2/NDF:1275978.8/7

Left: 264.510+/-0.053 χ^2/NDF: 2762007.7/16

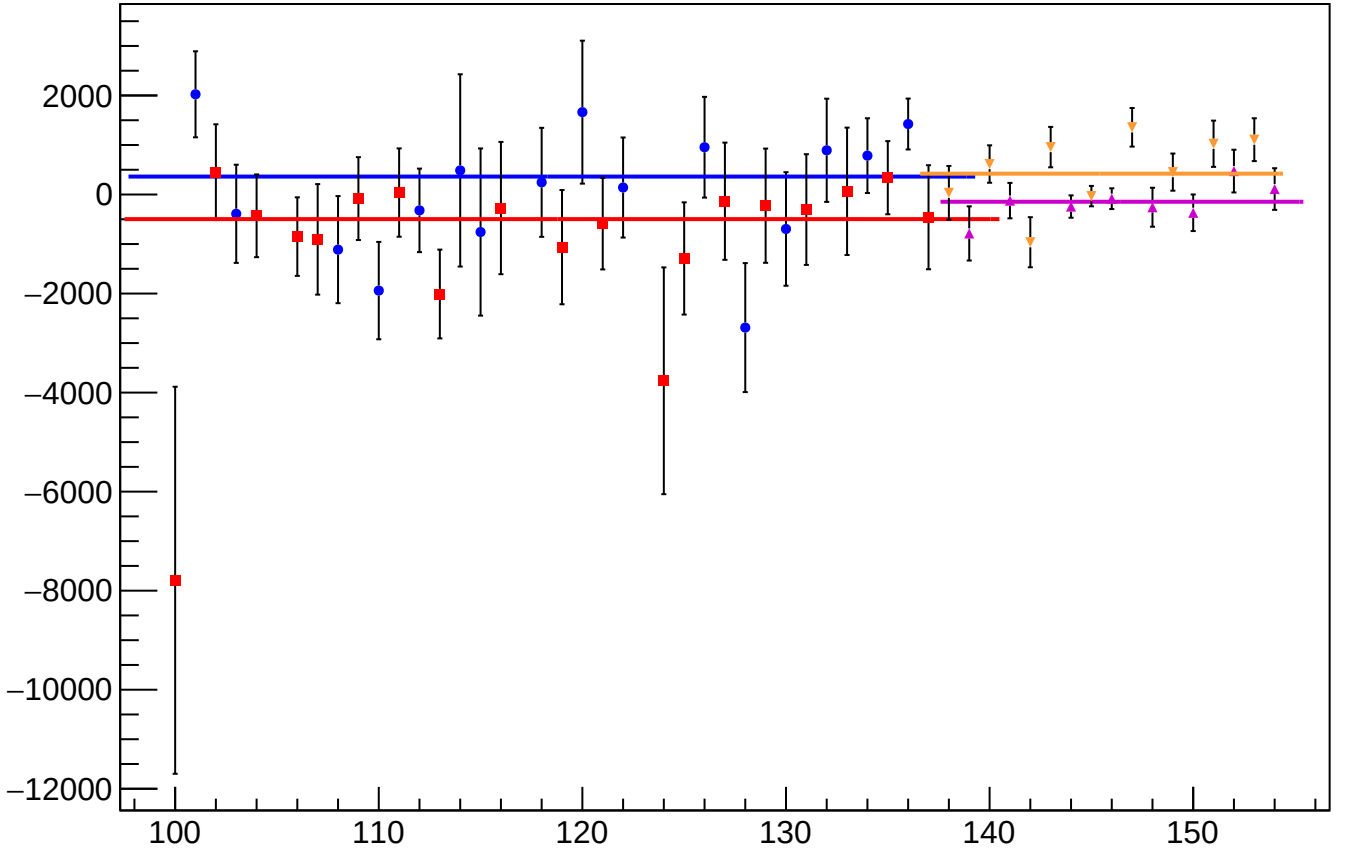
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 319.589+/-0.067 χ^2/NDF:5415664.9/23

Out: 329.633+/-0.068 χ^2/NDF:5542896.7/27

All: 324.534+/-0.048 χ^2/NDF: 10969513.1/51

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: -146.188+/-112.942 χ^2/NDF:4.5/7

Left: 116.270+/-82.790 χ^2/NDF: 41.0/16

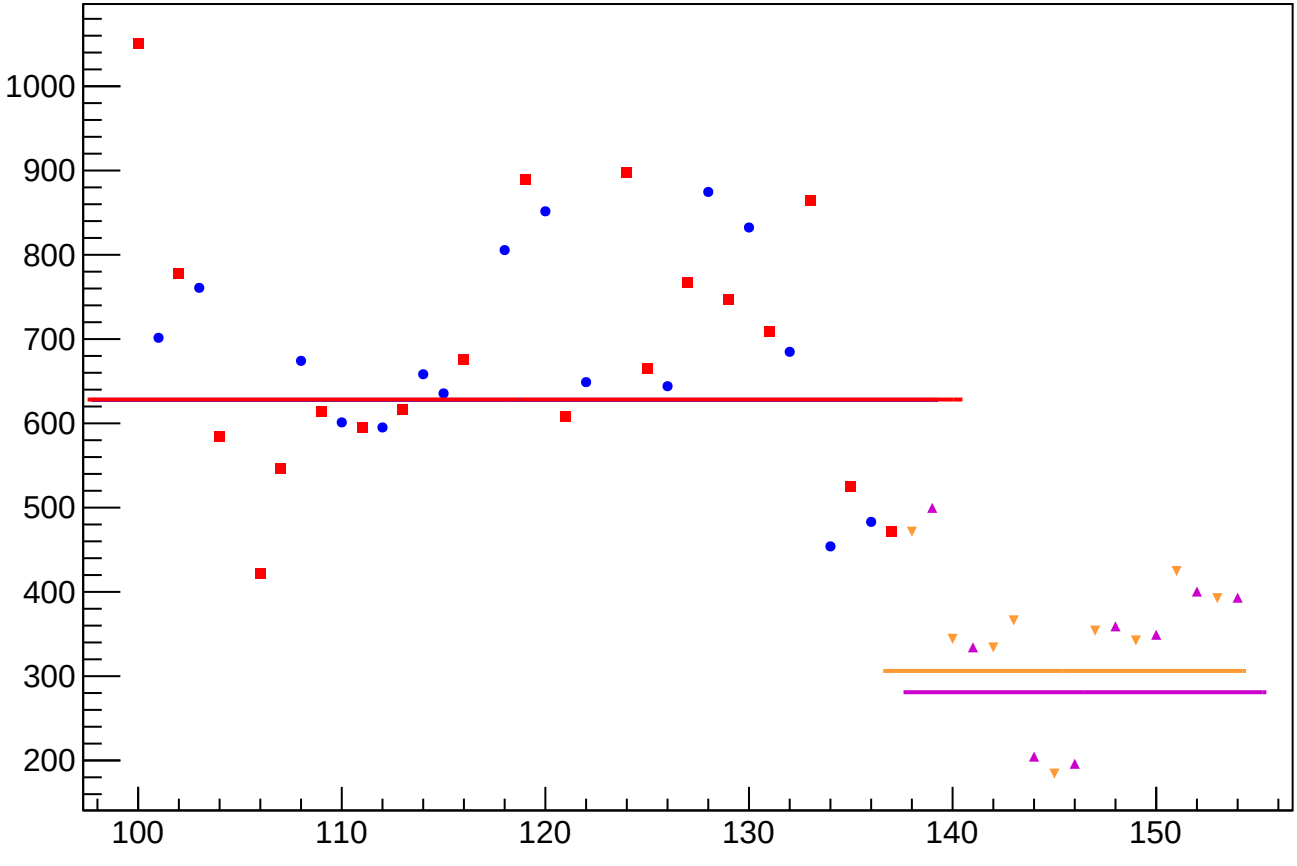
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -54.172+/-102.215 χ^2/NDF:33.2/23

Out: 228.303+/-108.178 χ^2/NDF:49.4/27

All: 79.067+/-74.296 χ^2/NDF: 86.3/51

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: 280.948+/-0.080 χ^2/NDF:1364932.9/7

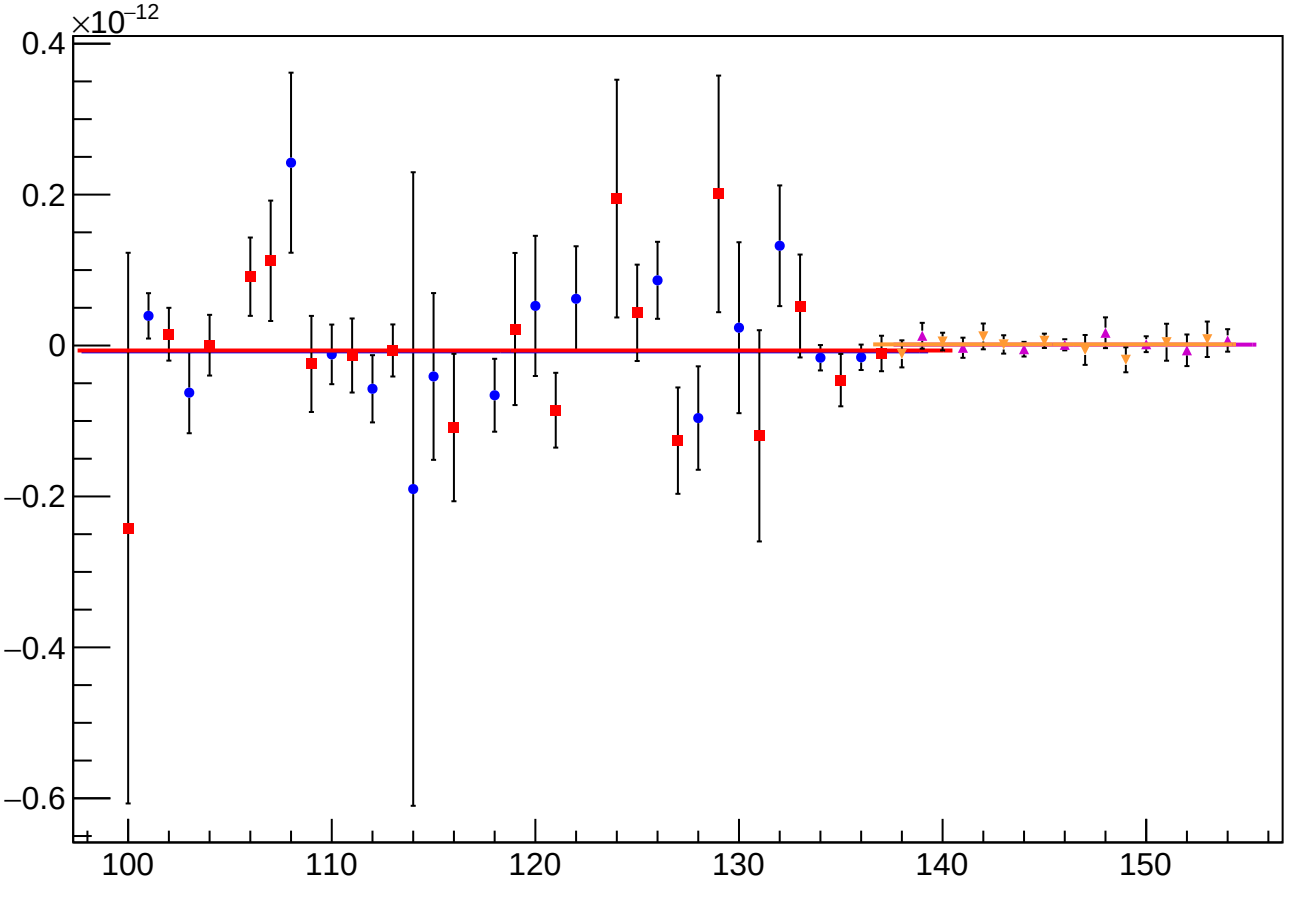
Left: 292.642+/-0.059 χ^2/NDF: 2623431.0/16

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 343.722+/-0.072 χ^2/NDF:5346488.5/23

Out: 373.868+/-0.076 χ^2/NDF:4724039.9/27

All: 357.941+/-0.053 χ^2/NDF: 10152583.2/51



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:1.8/7

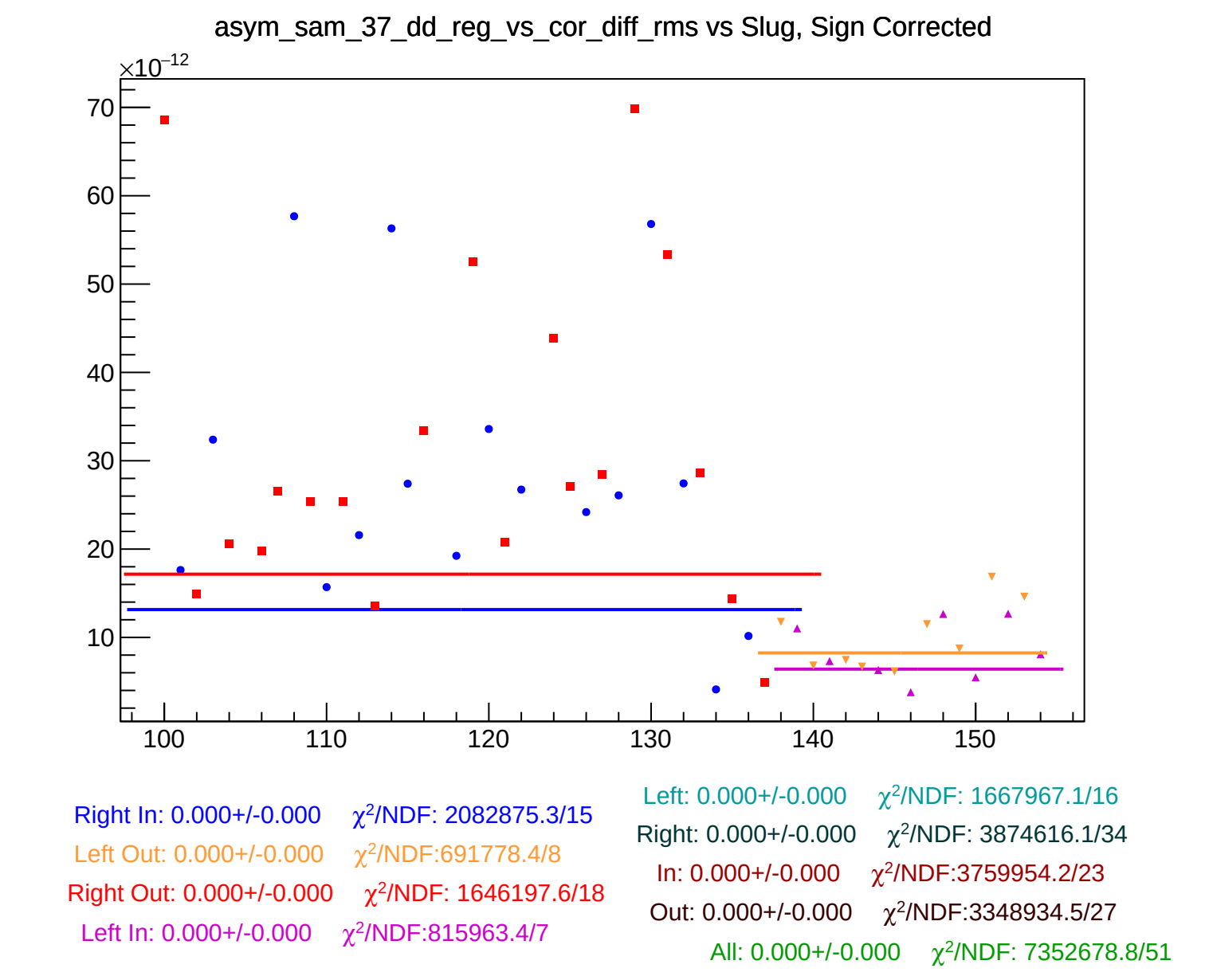
Left: 0.000+/-0.000 χ^2/NDF: 4.8/16

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:23.5/23

Out: 0.000+/-0.000 χ^2/NDF:23.4/27

All: -0.000+/-0.000 χ^2/NDF: 46.9/51


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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40
30
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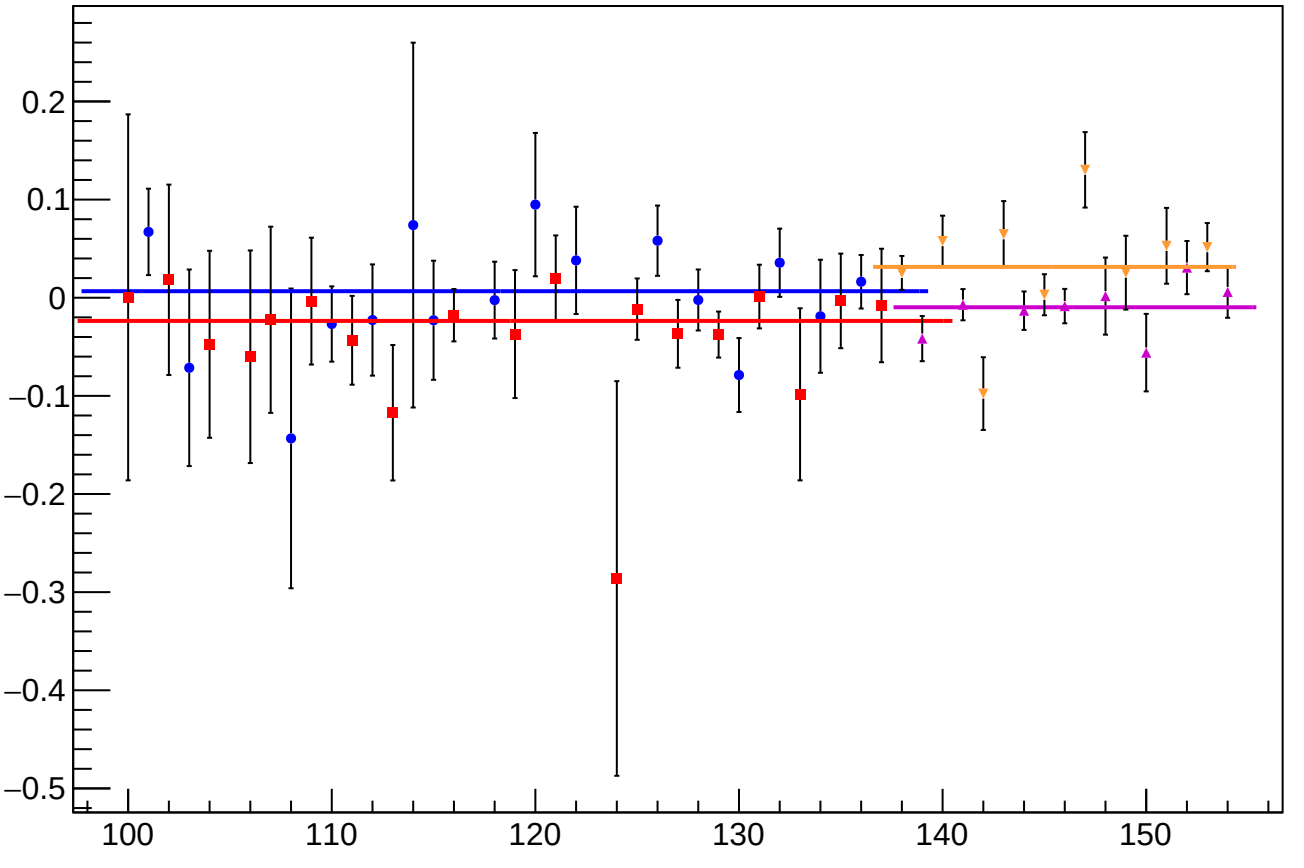
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:691778.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:815963.4/7
Left: 0.000+/-0.000 χ²/NDF: 1667967.1/16
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3759954.2/23
Out: 0.000+/-0.000 χ²/NDF:3348934.5/27
All: 0.000+/-0.000 χ²/NDF: 7352678.8/51



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: -0.010+/-0.008 χ^2/NDF:6.0/7

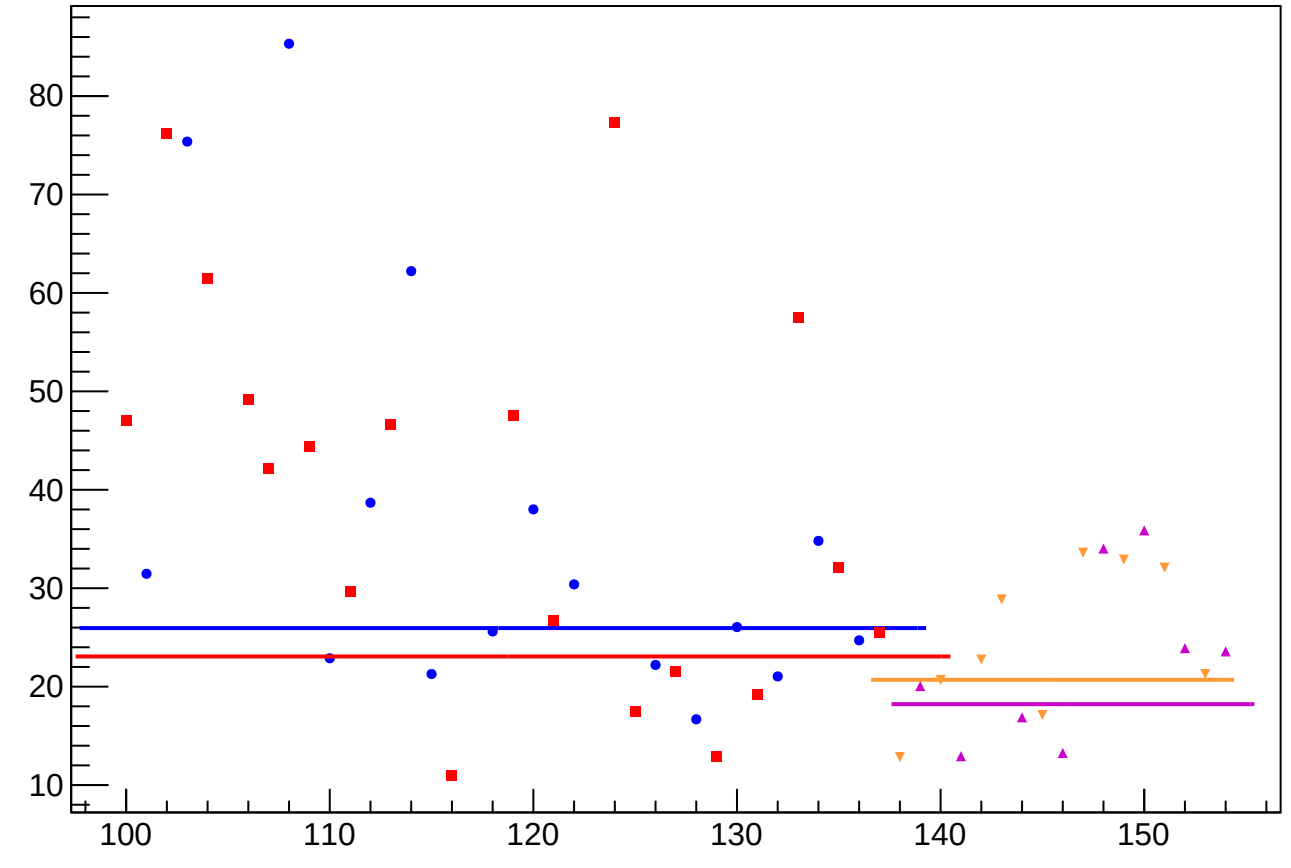
Left: 0.008+/-0.006 χ^2/NDF: 41.5/16

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.006 χ^2/NDF:22.5/23

Out: 0.008+/-0.007 χ^2/NDF:47.1/27

All: 0.002+/-0.005 χ^2/NDF: 71.3/51



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: 18.219+/-0.006 χ^2/NDF:1298632.2/7

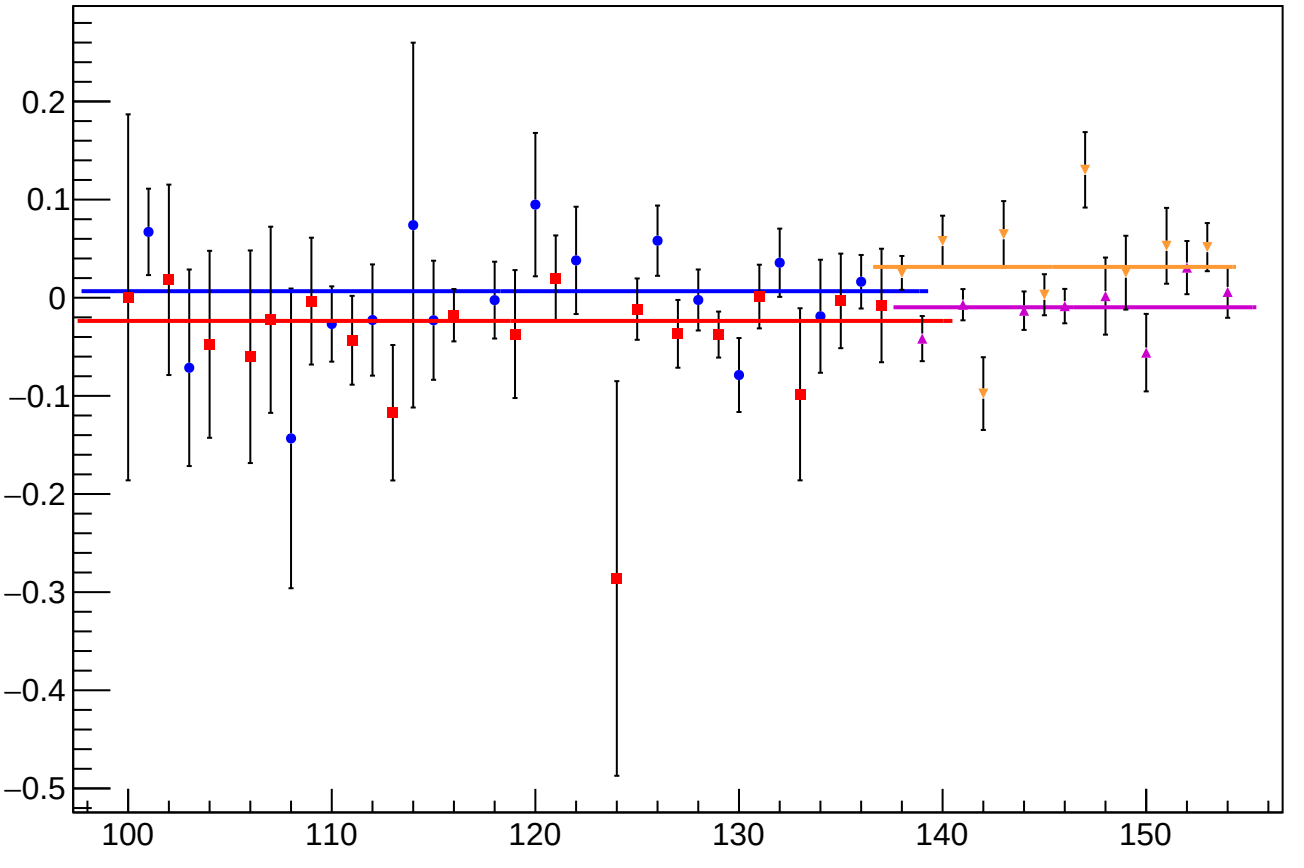
Left: 19.312+/-0.004 χ^2/NDF: 2592596.8/16

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.842+/-0.005 χ^2/NDF:3321110.4/23

Out: 21.695+/-0.005 χ^2/NDF:4627982.1/27

All: 21.246+/-0.003 χ^2/NDF: 7965560.7/51



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: -0.010+/-0.008 χ^2/NDF:6.0/7

Left: 0.008+/-0.006 χ^2/NDF: 41.5/16

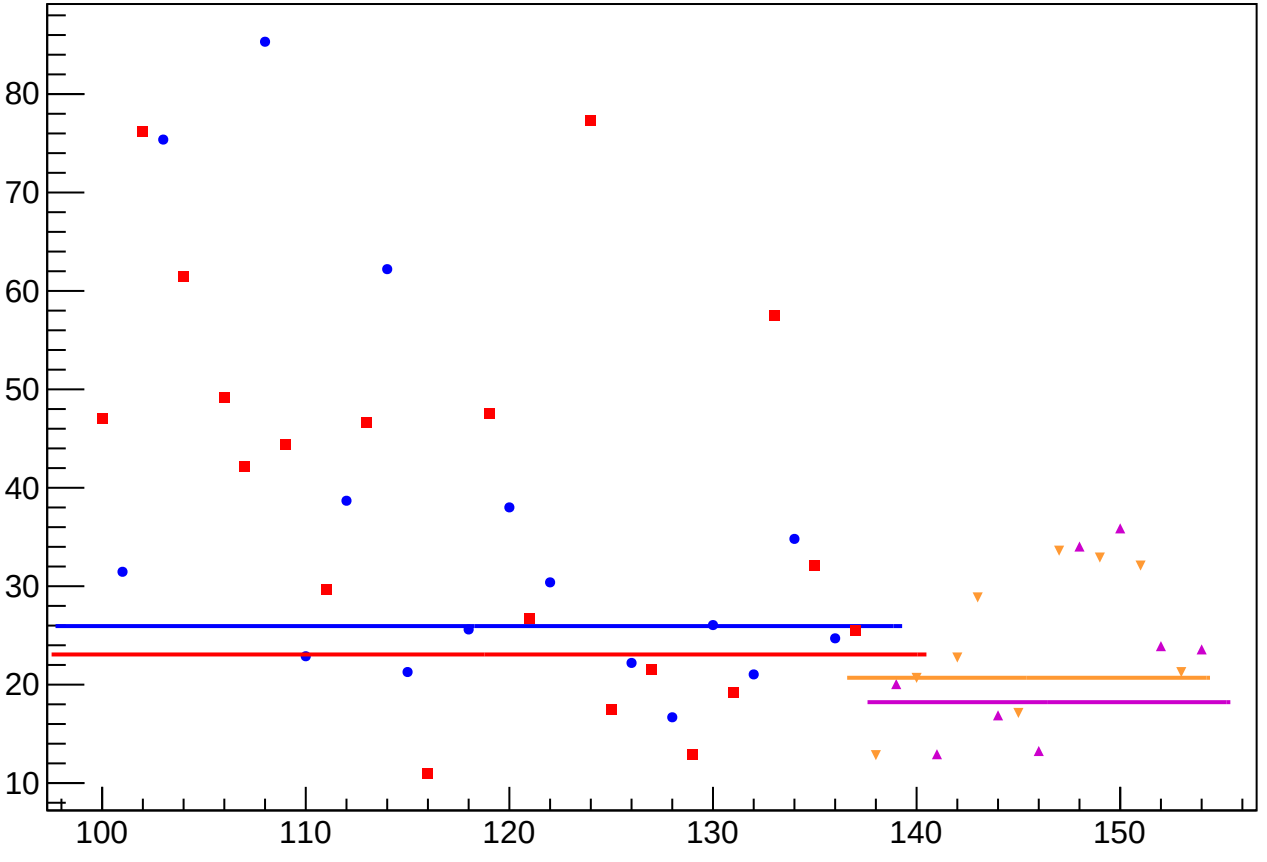
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.006 χ^2/NDF:22.5/23

Out: 0.008+/-0.007 χ^2/NDF:47.1/27

All: 0.002+/-0.005 χ^2/NDF: 71.3/51

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.698+/-0.006 χ^2/NDF:1208315.4/8

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 18.219+/-0.006 χ^2/NDF:1298632.2/7

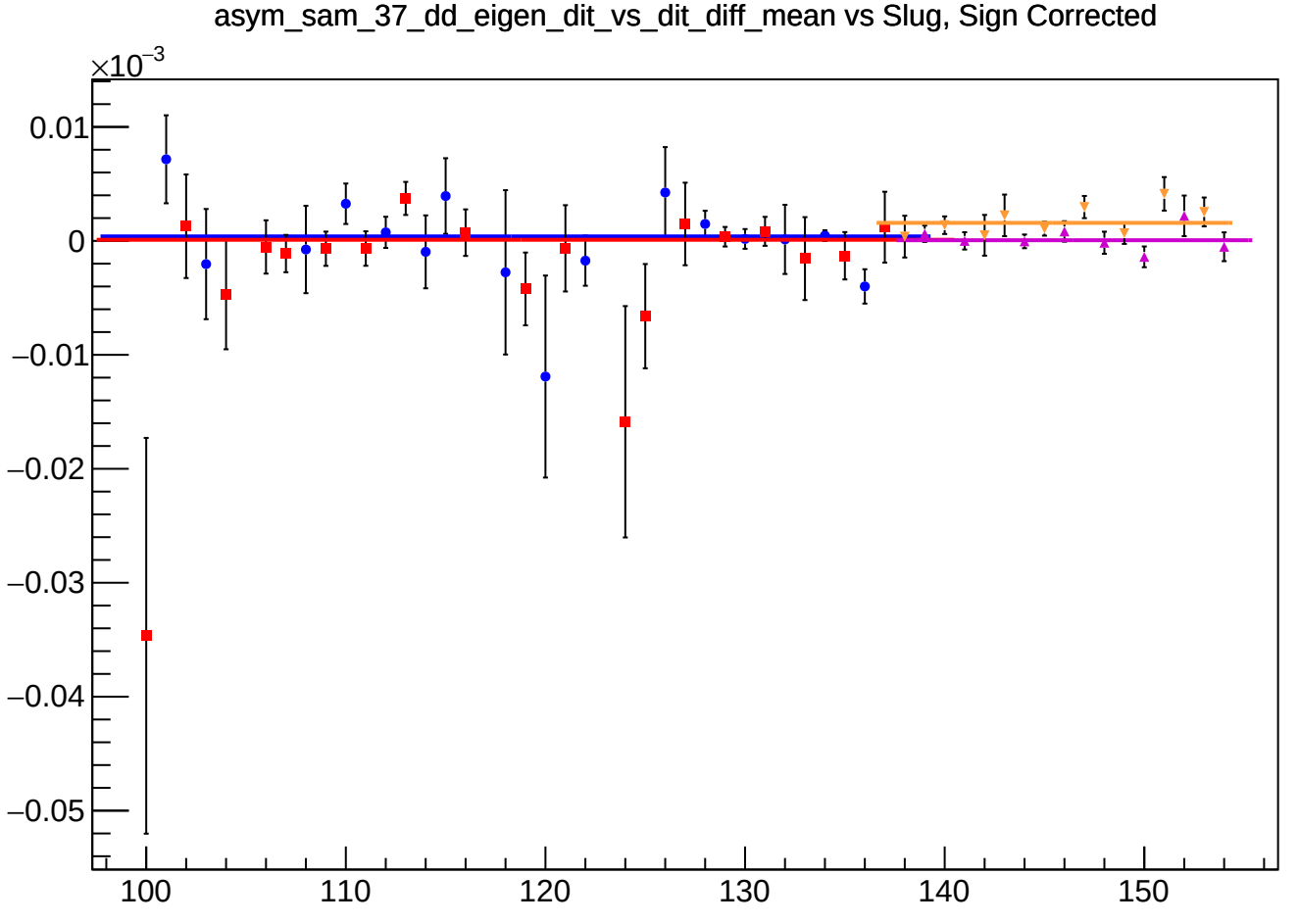
Left: 19.312+/-0.004 χ^2/NDF: 2592596.8/16

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.842+/-0.005 χ^2/NDF:3321110.4/23

Out: 21.695+/-0.005 χ^2/NDF:4627982.1/27

All: 21.246+/-0.003 χ^2/NDF: 7965560.7/51



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:5.7/7

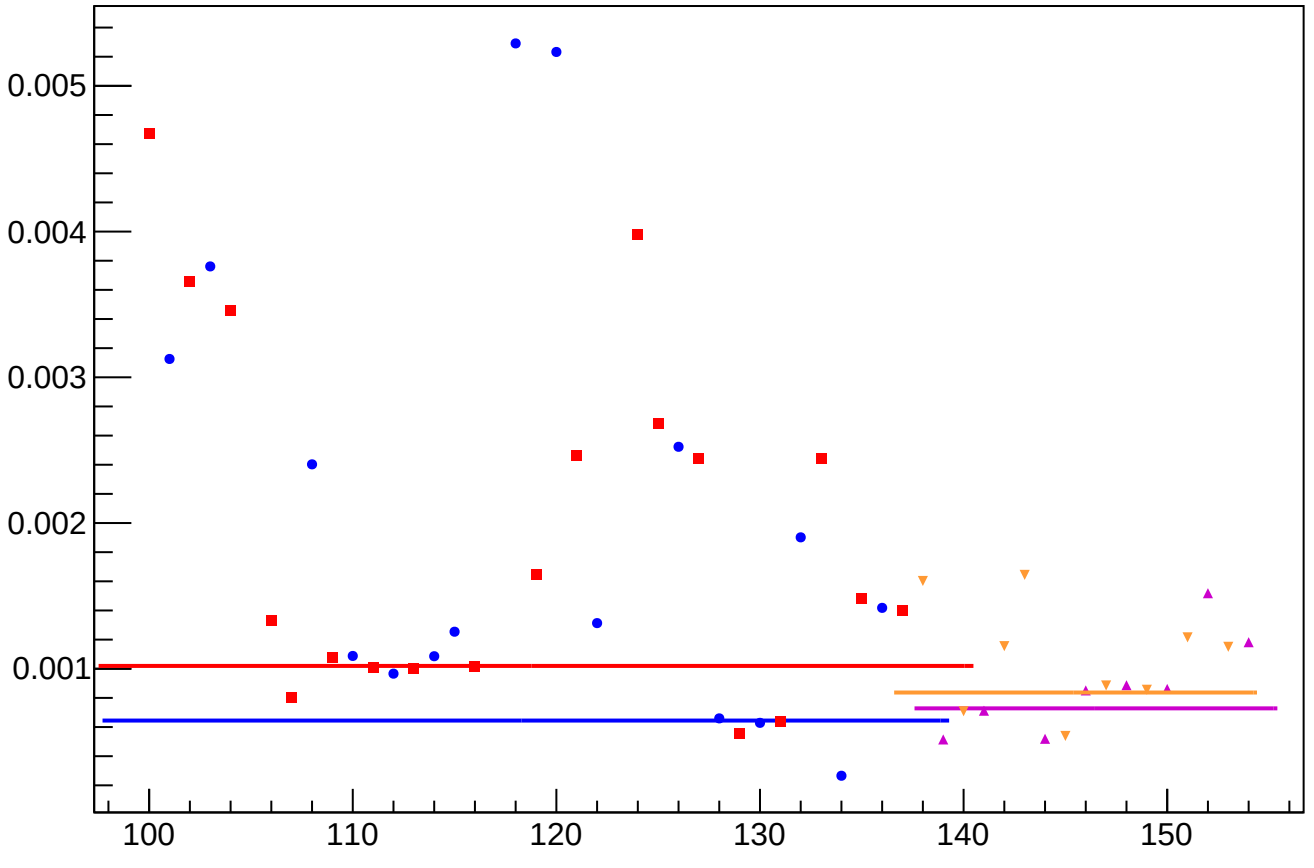
Left: 0.000+/-0.000 χ^2/NDF: 25.0/16

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:27.1/23

Out: 0.000+/-0.000 χ^2/NDF:35.5/27

All: 0.000+/-0.000 χ^2/NDF: 68.1/51



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:1202346.1/7

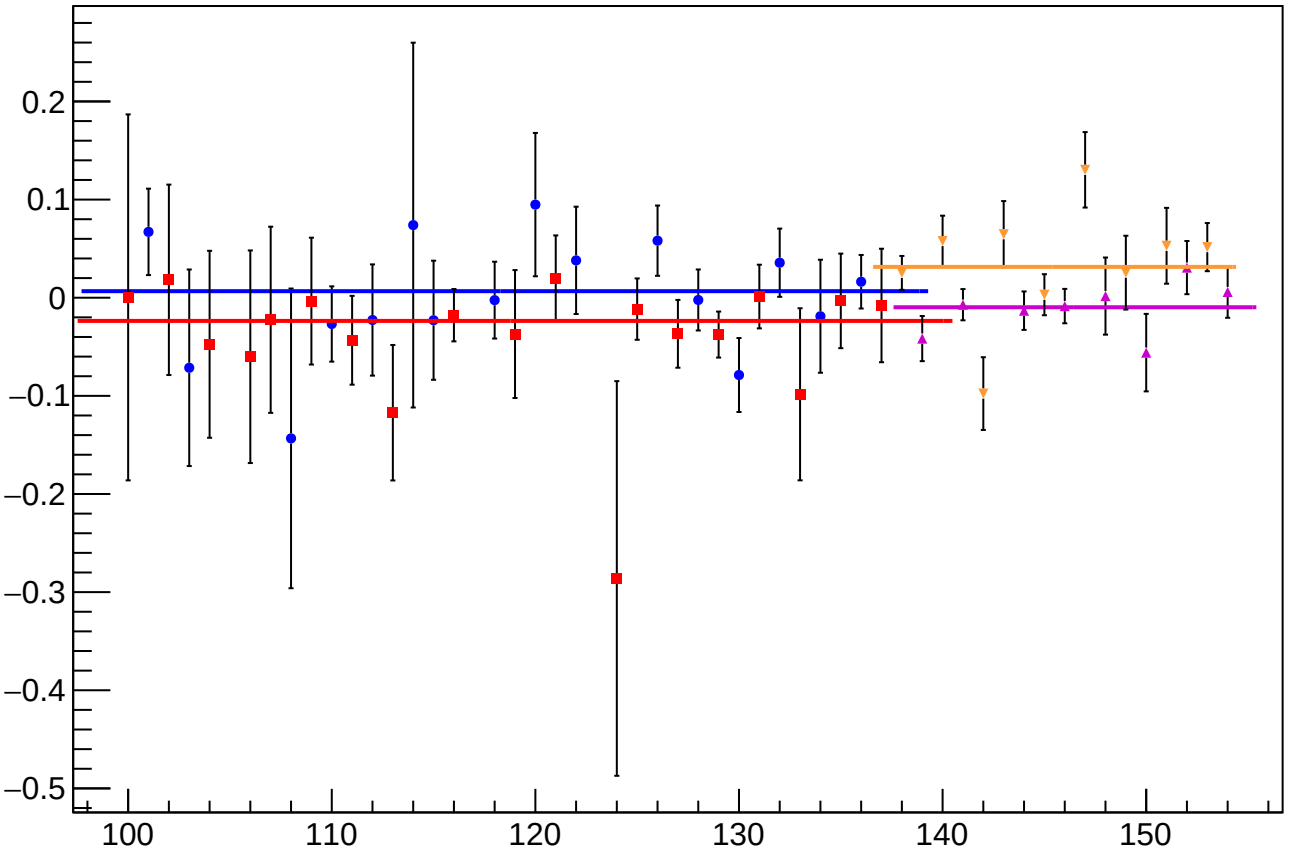
Left: 0.001+/-0.000 χ^2/NDF: 2909035.1/16

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:7845467.6/23

Out: 0.001+/-0.000 χ^2/NDF:5464495.2/27

All: 0.001+/-0.000 χ^2/NDF: 14030944.2/51



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: -0.010+/-0.008 χ^2/NDF:6.0/7

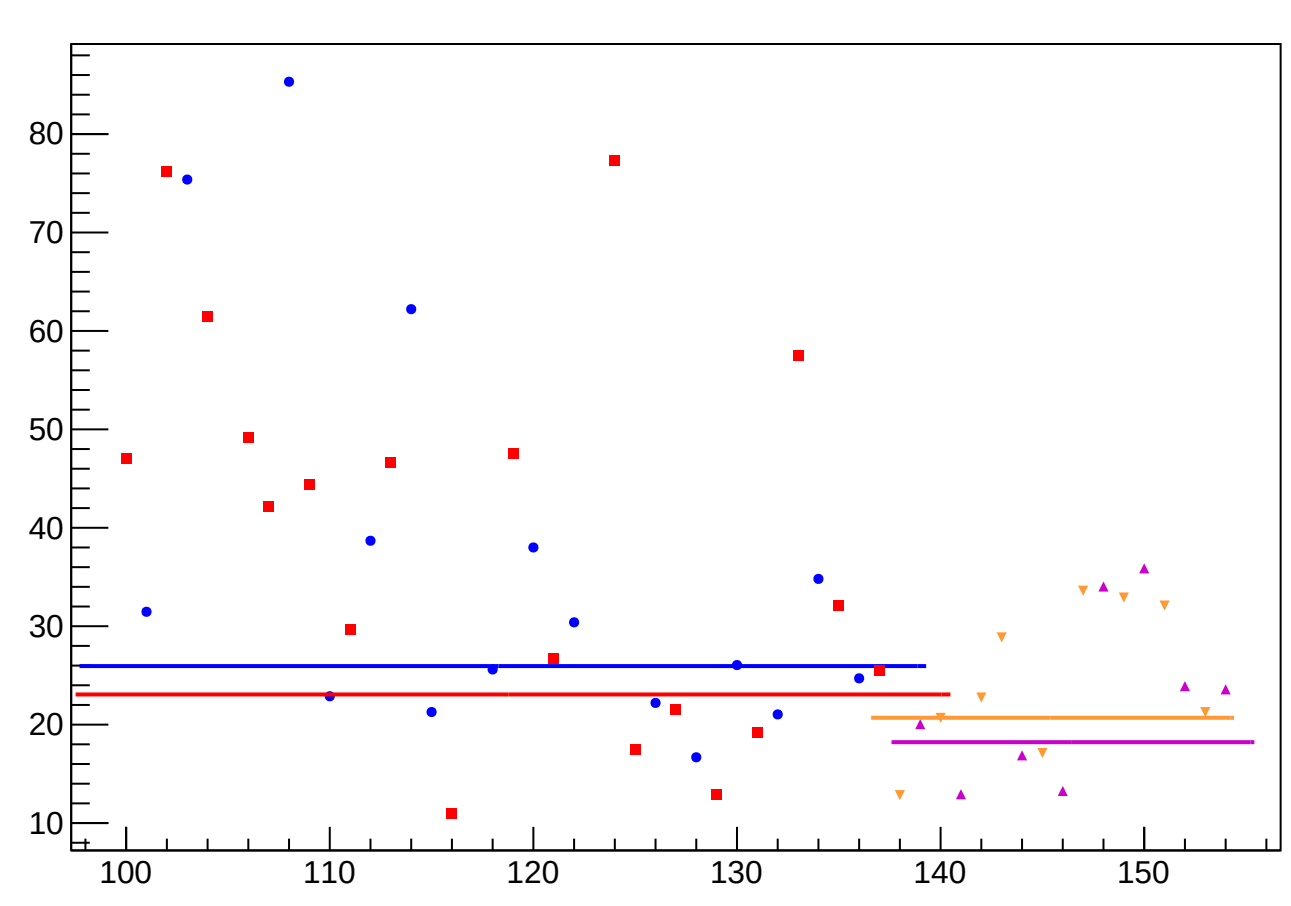
Left: 0.008+/-0.006 χ^2/NDF: 41.5/16

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.006 χ^2/NDF:22.5/23

Out: 0.008+/-0.007 χ^2/NDF:47.1/27

All: 0.002+/-0.005 χ^2/NDF: 71.3/51



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: 18.219+/-0.006 χ^2/NDF:1298700.9/7

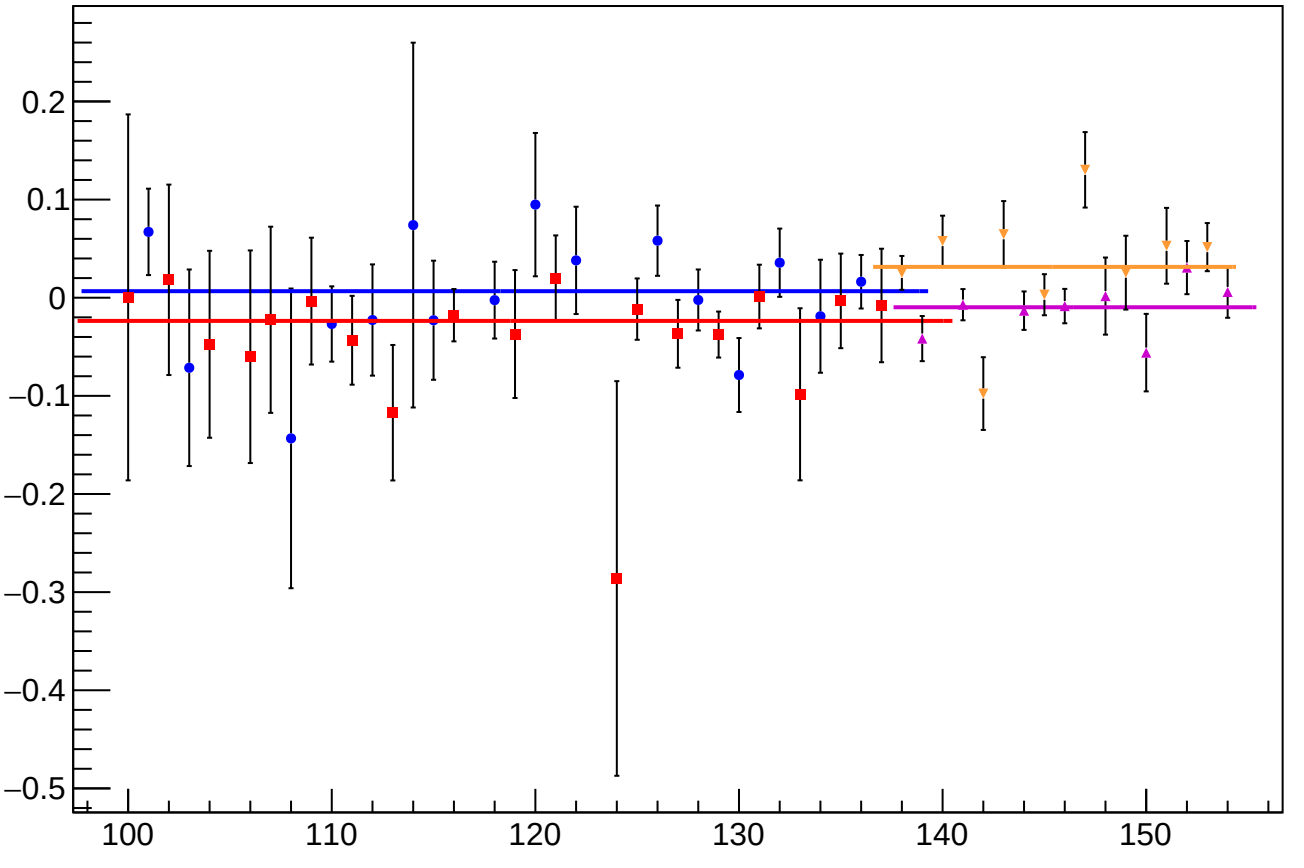
Left: 19.312+/-0.004 χ^2/NDF: 2592730.6/16

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.843+/-0.005 χ^2/NDF:3321147.4/23

Out: 21.696+/-0.005 χ^2/NDF:4627854.8/27

All: 21.247+/-0.003 χ^2/NDF: 7965480.5/51



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: -0.010+/-0.008 χ^2/NDF:6.0/7

Left: 0.008+/-0.006 χ^2/NDF: 41.5/16

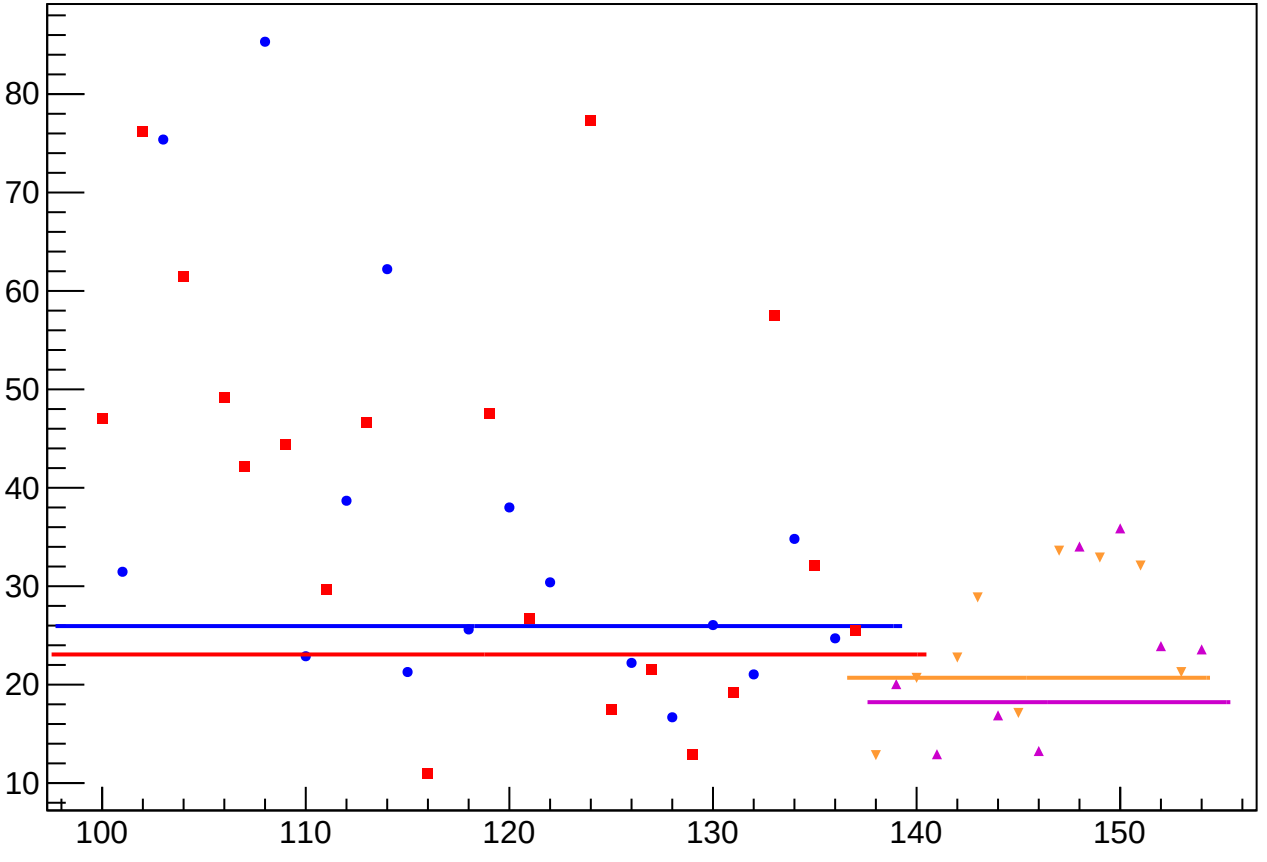
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.006 χ^2/NDF:22.5/23

Out: 0.008+/-0.007 χ^2/NDF:47.1/27

All: 0.002+/-0.005 χ^2/NDF: 71.3/51

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: 18.219+/-0.006 χ^2/NDF:1298700.9/7

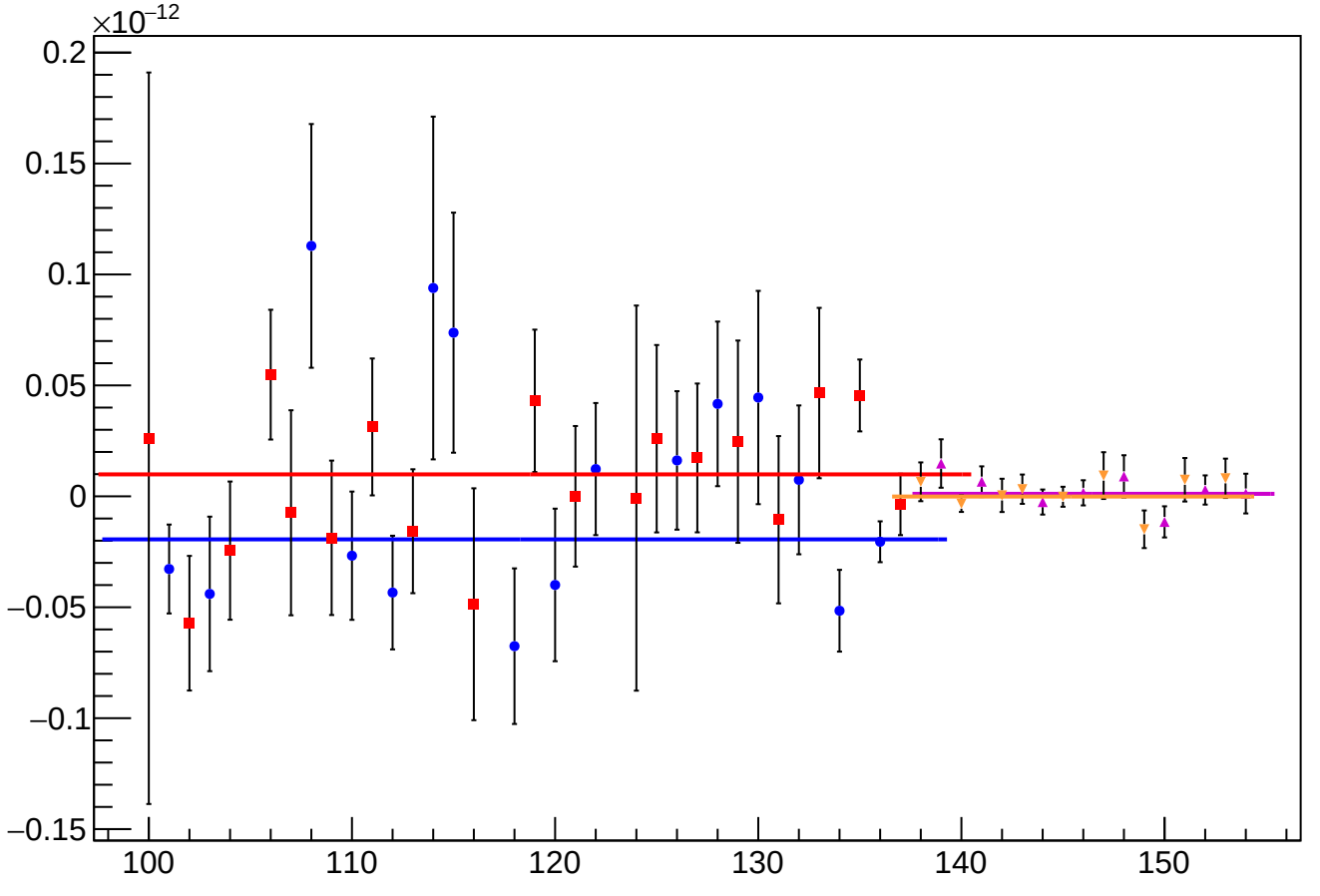
Left: 19.312+/-0.004 χ^2/NDF: 2592730.6/16

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.843+/-0.005 χ^2/NDF:3321147.4/23

Out: 21.696+/-0.005 χ^2/NDF:4627854.8/27

All: 21.247+/-0.003 χ^2/NDF: 7965480.5/51



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:6.6/7

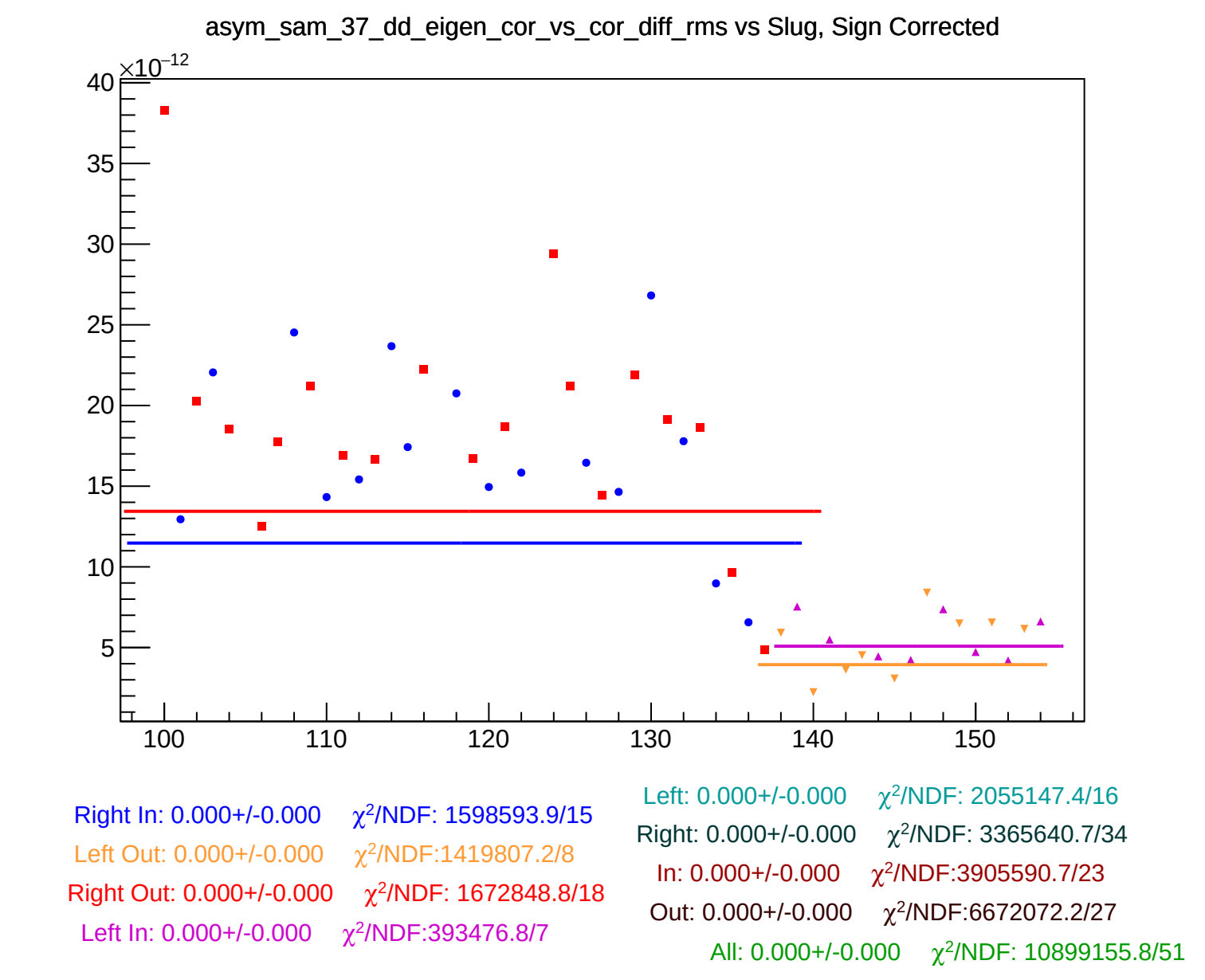
Left: 0.000+/-0.000 χ^2/NDF: 13.6/16

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:42.2/23

Out: 0.000+/-0.000 χ^2/NDF:29.2/27

All: -0.000+/-0.000 χ^2/NDF: 72.1/51


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
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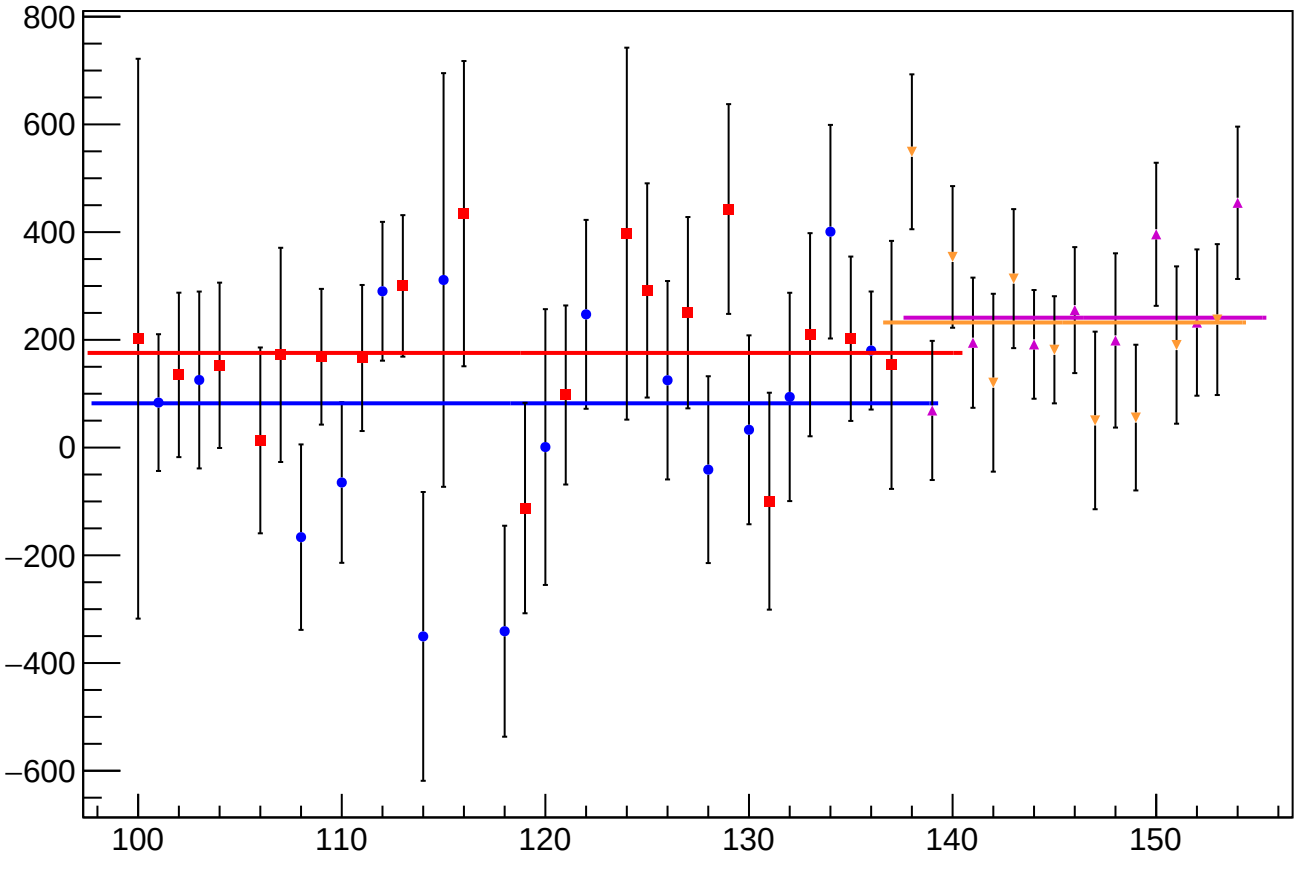
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1419807.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:393476.8/7
Left: 0.000+/-0.000 χ²/NDF: 2055147.4/16
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:3905590.7/23
Out: 0.000+/-0.000 χ²/NDF:6672072.2/27
All: 0.000+/-0.000 χ²/NDF: 10899155.8/51



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: 241.142+/-44.775 χ^2/NDF:5.9/7

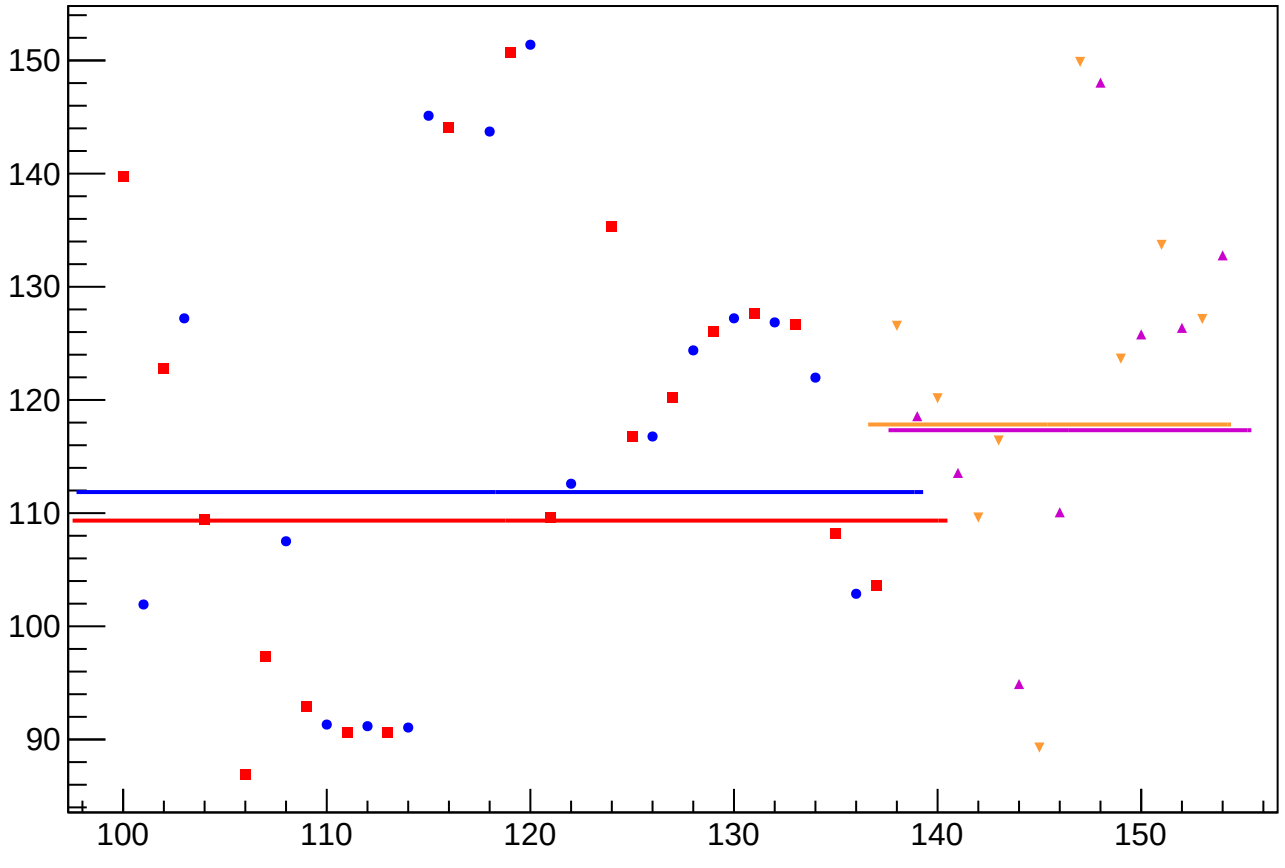
Left: 236.722+/-31.748 χ^2/NDF: 15.7/16

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 156.841+/-30.684 χ^2/NDF:30.9/23

Out: 201.130+/-30.181 χ^2/NDF:20.6/27

All: 179.352+/-21.517 χ^2/NDF: 52.6/51



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: 117.328+/-0.032 χ^2/NDF:221562.7/7

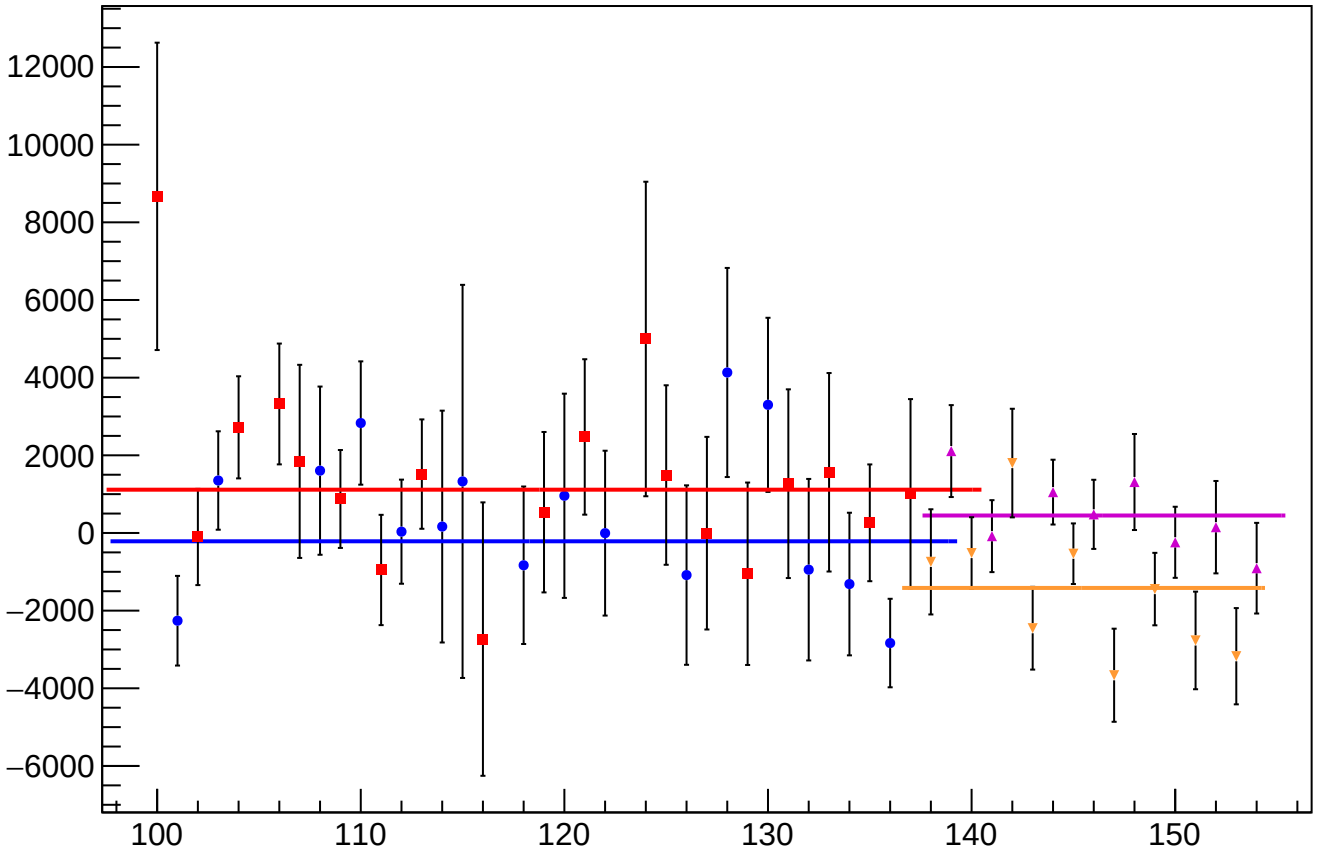
Left: 117.579+/-0.022 χ^2/NDF: 511339.0/16

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 114.429+/-0.022 χ^2/NDF:543393.4/23

Out: 113.156+/-0.021 χ^2/NDF:696051.9/27

All: 113.782+/-0.015 χ^2/NDF: 1241193.5/51



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: 449.792+/-356.569 χ^2/NDF:5.3/7

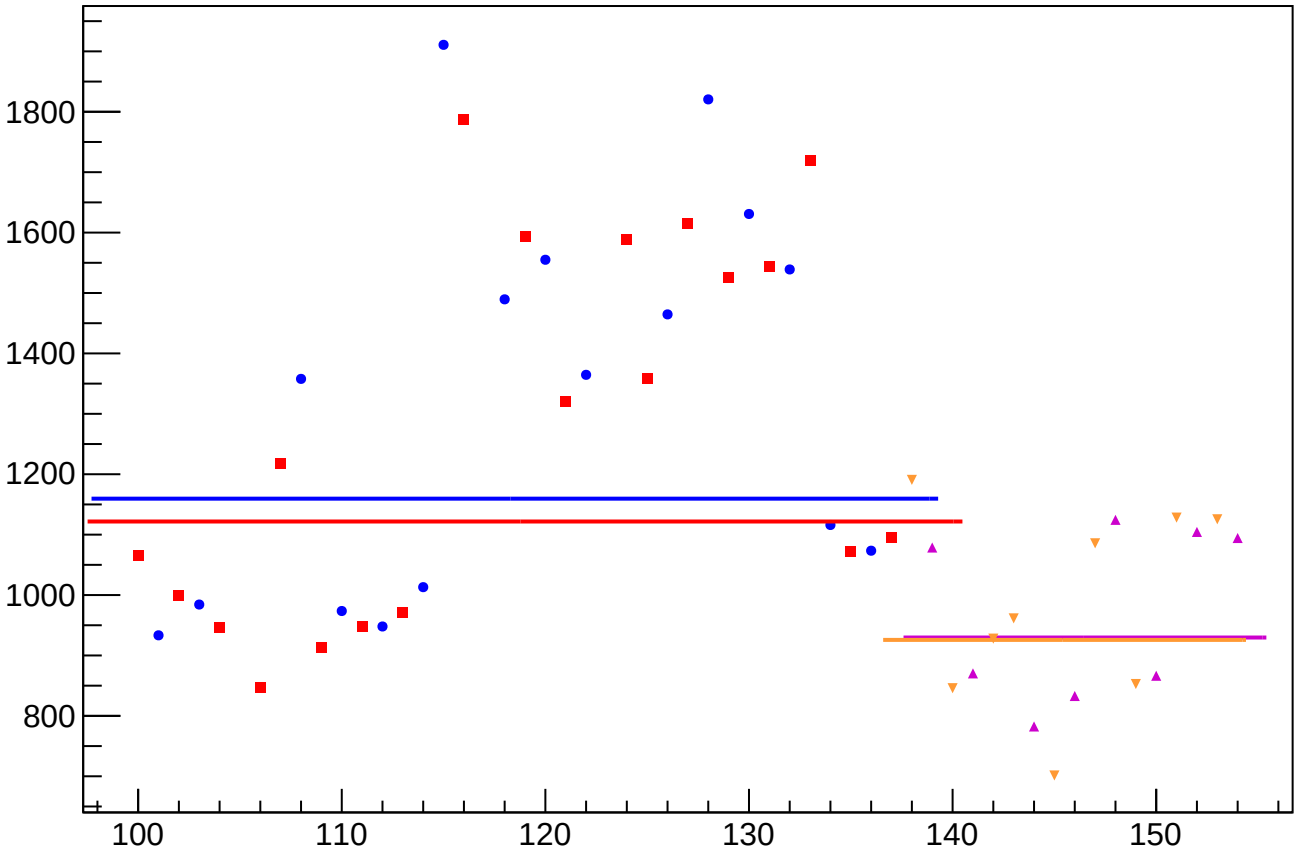
Left: -483.838+/-252.000 χ^2/NDF: 34.4/16

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 189.435+/-278.005 χ^2/NDF:27.1/23

Out: -365.866+/-272.474 χ^2/NDF:50.9/27

All: -93.795+/-194.594 χ^2/NDF: 80.0/51



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 925.763+/-0.252 χ^2/NDF:410737.5/8

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 929.694+/-0.252 χ^2/NDF:268010.1/7

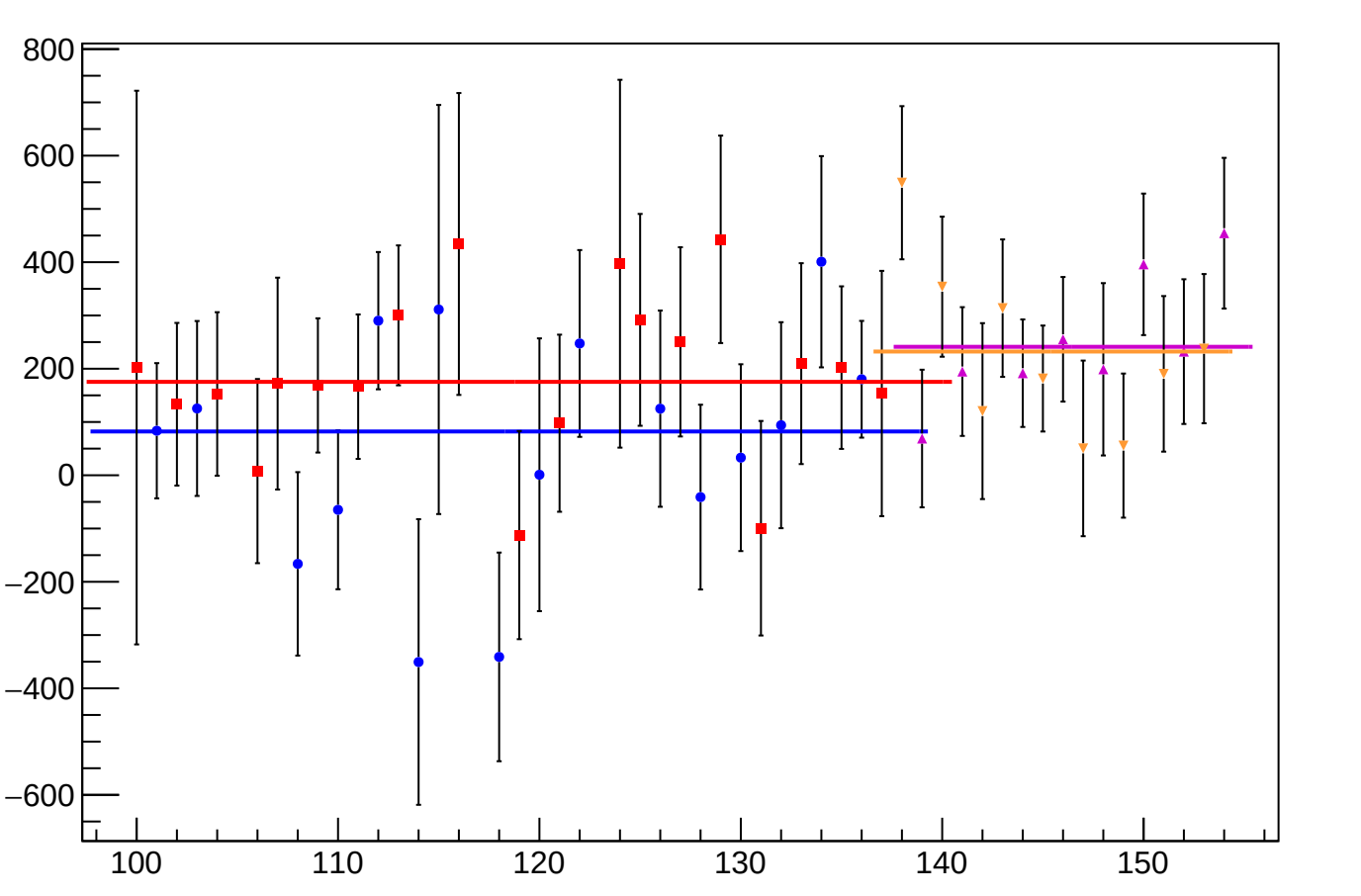
Left: 927.726+/-0.178 χ^2/NDF: 678869.3/16

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1019.831+/-0.197 χ^2/NDF:1277640.0/23

Out: 1007.068+/-0.193 χ^2/NDF:1444200.6/27

All: 1013.321+/-0.138 χ^2/NDF: 2723990.5/51



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: 241.142+/-44.775 χ^2/NDF:5.9/7

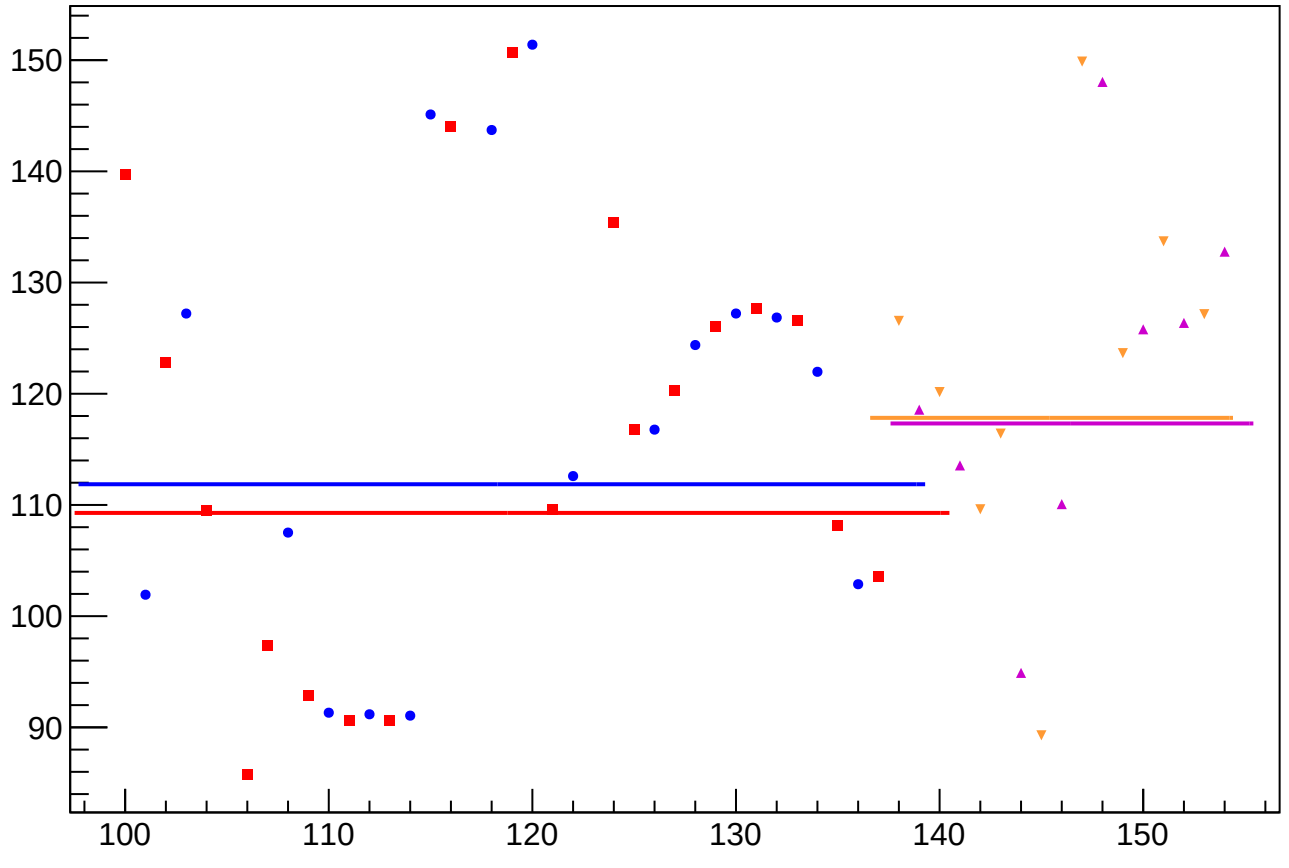
Left: 236.728+/-31.748 χ^2/NDF: 15.7/16

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 156.835+/-30.684 χ^2/NDF:30.9/23

Out: 200.922+/-30.184 χ^2/NDF:20.6/27

All: 179.241+/-21.518 χ^2/NDF: 52.6/51



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: 117.328+/-0.032 χ^2/NDF:221562.7/7

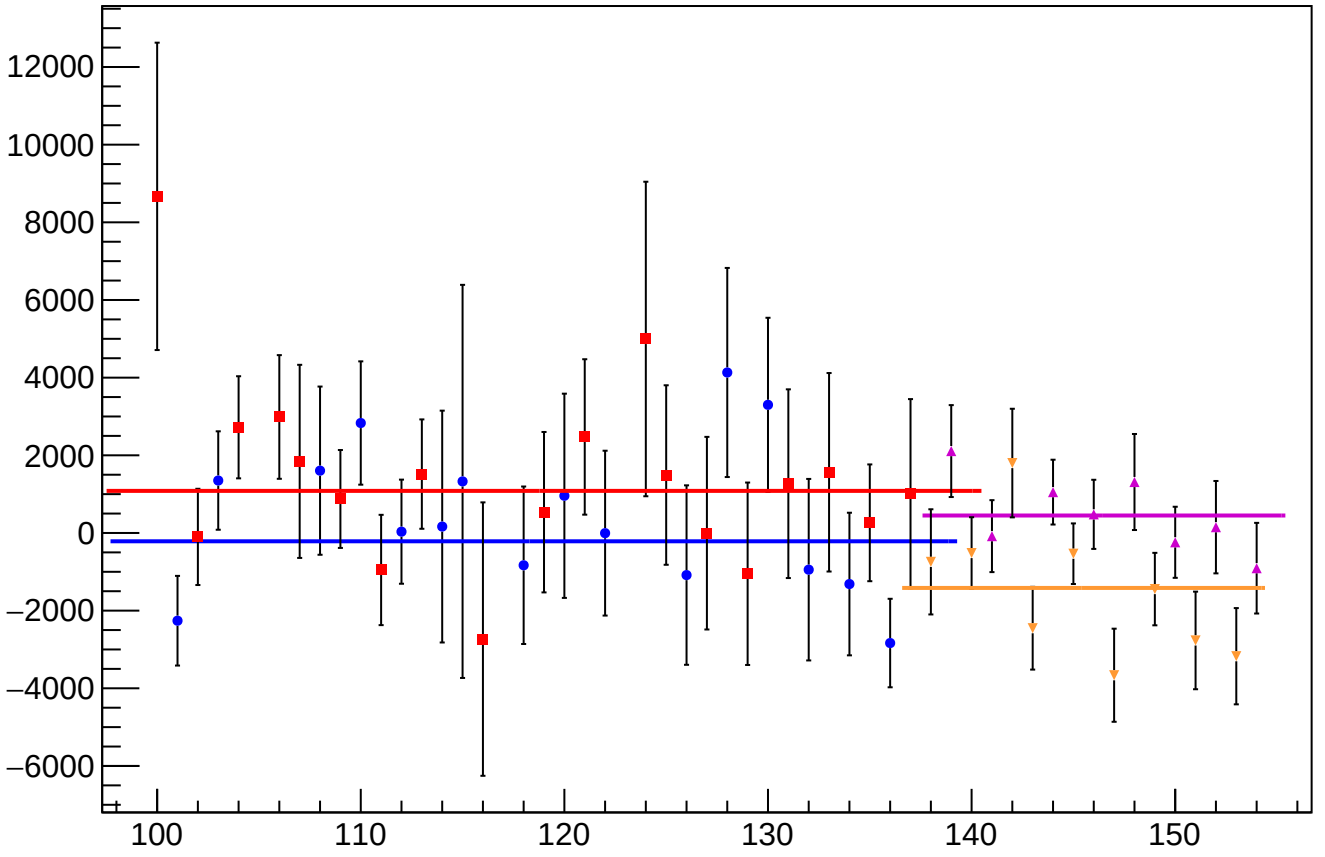
Left: 117.579+/-0.022 χ^2/NDF: 511339.0/16

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 114.429+/-0.022 χ^2/NDF:543394.4/23

Out: 113.126+/-0.021 χ^2/NDF:700058.4/27

All: 113.767+/-0.015 χ^2/NDF: 1245285.2/51



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: 449.797+/-356.569 χ^2/NDF:5.3/7

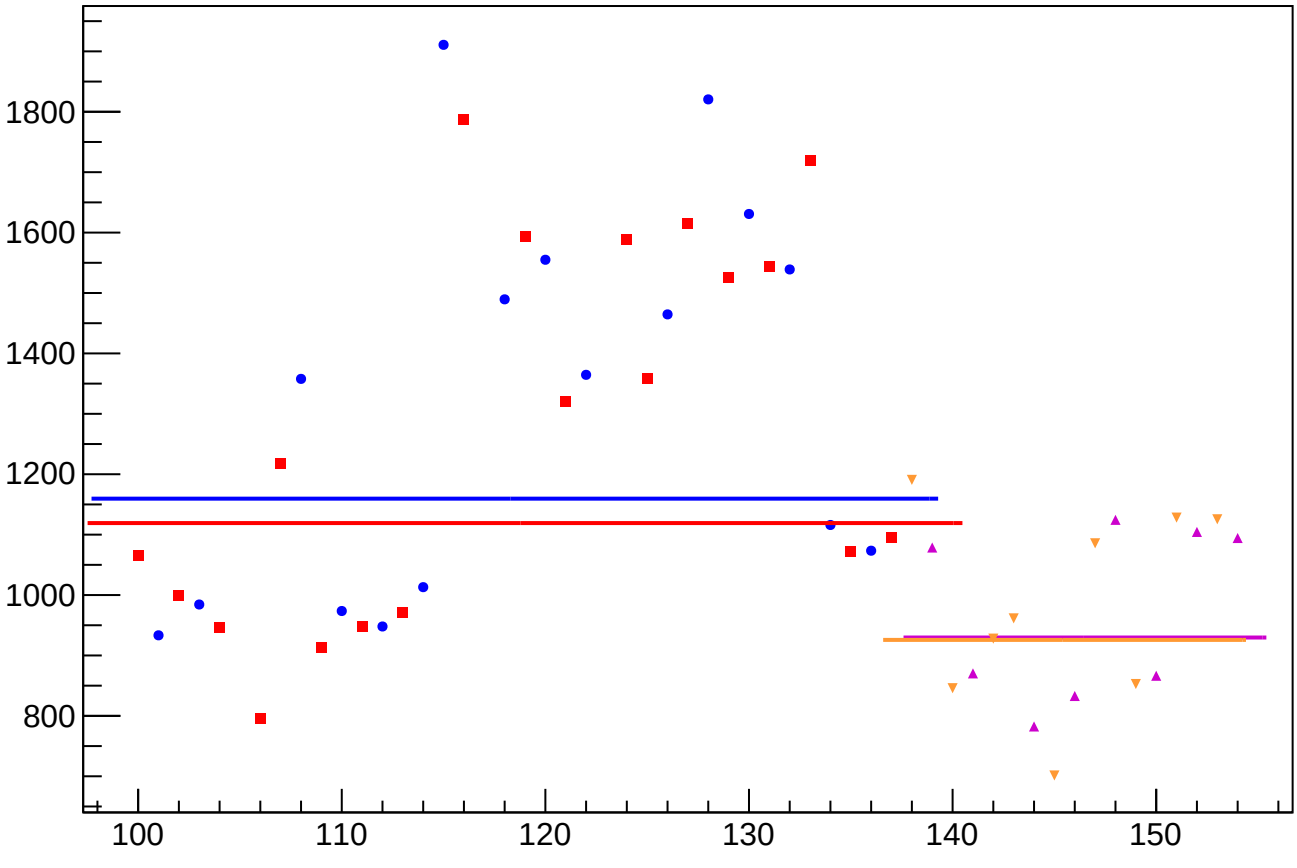
Left: -483.833+/-252.000 χ^2/NDF: 34.4/16

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 189.404+/-278.006 χ^2/NDF:27.1/23

Out: -380.729+/-272.670 χ^2/NDF:49.7/27

All: -101.187+/-194.666 χ^2/NDF: 78.9/51



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: 929.695+/-0.252 χ^2/NDF:268008.0/7

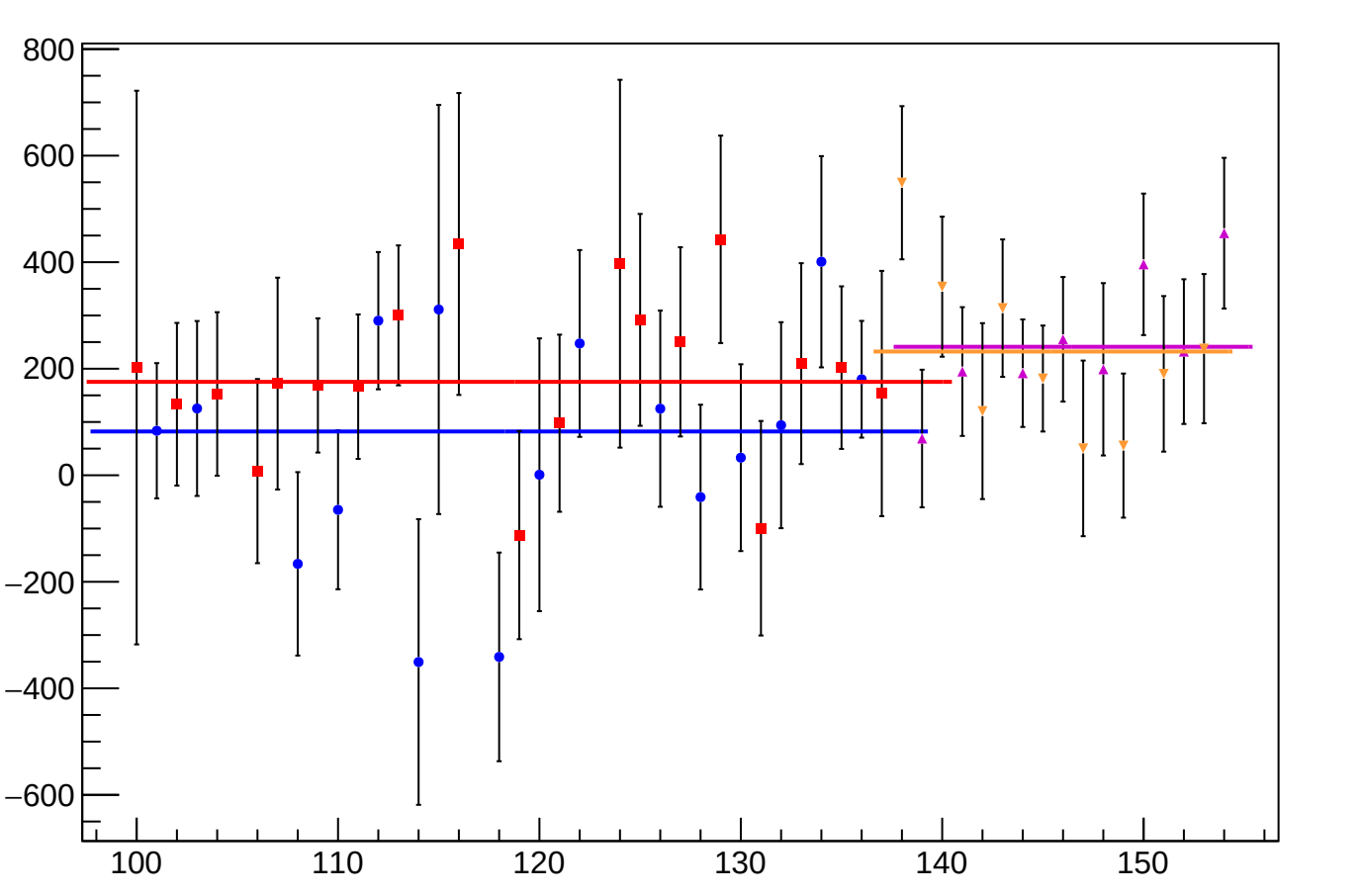
Left: 927.727+/-0.178 χ^2/NDF: 678869.7/16

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1019.834+/-0.197 χ^2/NDF:1277630.1/23

Out: 1005.828+/-0.193 χ^2/NDF:1457977.3/27

All: 1012.695+/-0.138 χ^2/NDF: 2738194.8/51



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: 241.142+/-44.775 χ^2/NDF:5.9/7

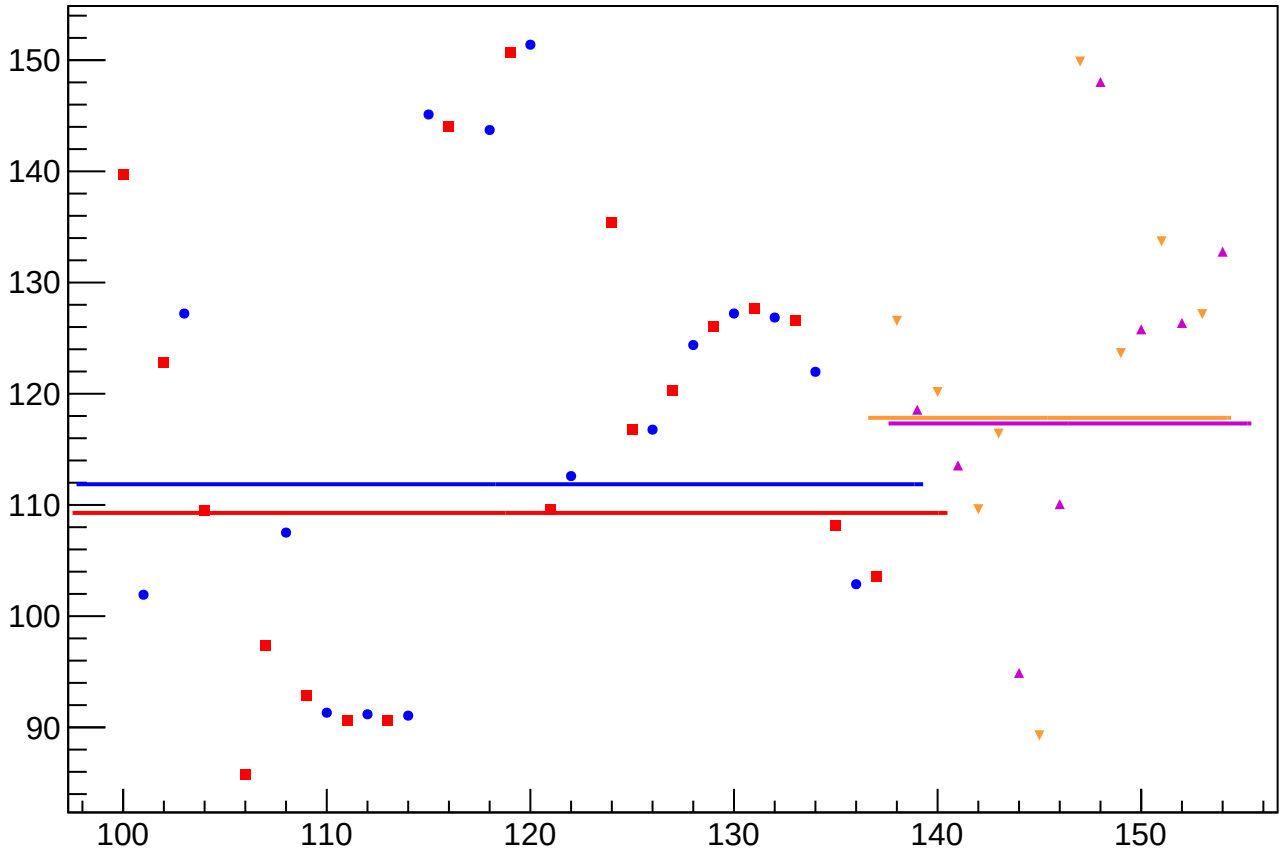
Left: 236.728+/-31.748 χ^2/NDF: 15.7/16

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 156.835+/-30.684 χ^2/NDF:30.9/23

Out: 200.922+/-30.184 χ^2/NDF:20.6/27

All: 179.241+/-21.518 χ^2/NDF: 52.6/51



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: 117.328+/-0.032 χ^2/NDF:221562.7/7

Left: 117.579+/-0.022 χ^2/NDF: 511339.0/16

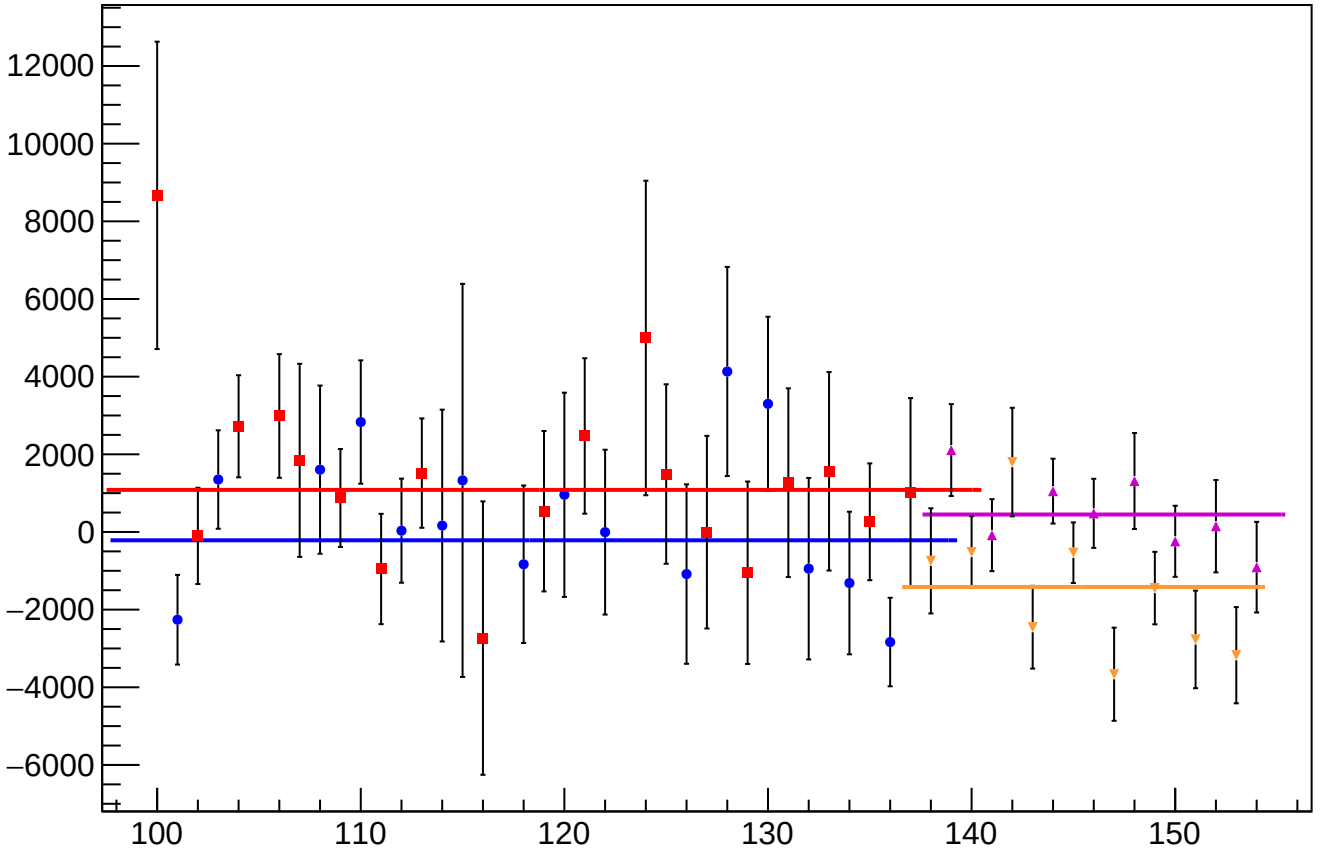
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 114.429+/-0.022 χ^2/NDF:543394.4/23

Out: 113.126+/-0.021 χ^2/NDF:700058.4/27

All: 113.767+/-0.015 χ^2/NDF: 1245285.2/51

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1415.514+/-356.197 χ^2/NDF:15.4/8

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 449.797+/-356.569 χ^2/NDF:5.3/7

Left: -483.833+/-252.000 χ^2/NDF: 34.4/16

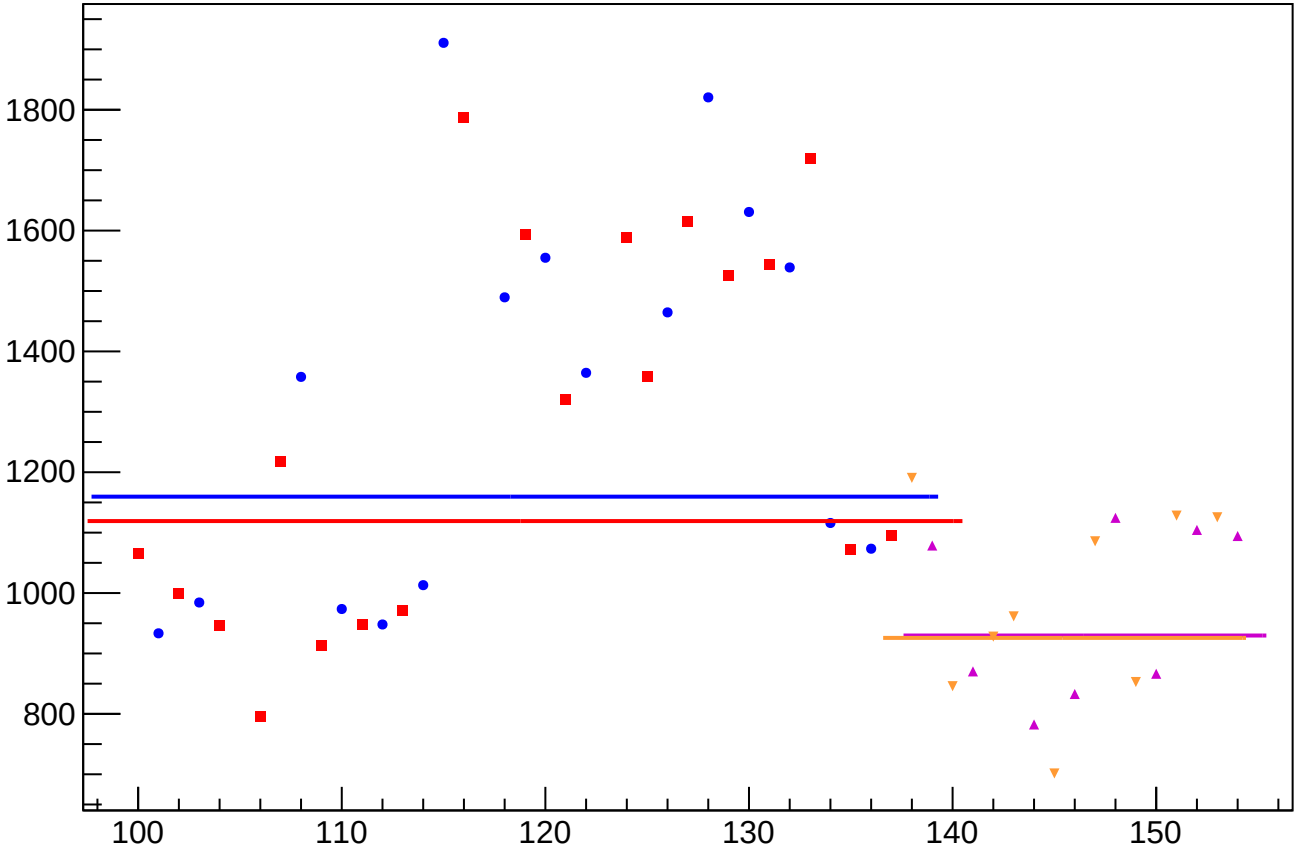
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 189.404+/-278.006 χ^2/NDF:27.1/23

Out: -380.729+/-272.670 χ^2/NDF:49.7/27

All: -101.187+/-194.666 χ^2/NDF: 78.9/51

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 925.763+/-0.252 χ^2/NDF:410740.0/8

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 929.695+/-0.252 χ^2/NDF:268008.0/7

Left: 927.727+/-0.178 χ^2/NDF: 678869.7/16

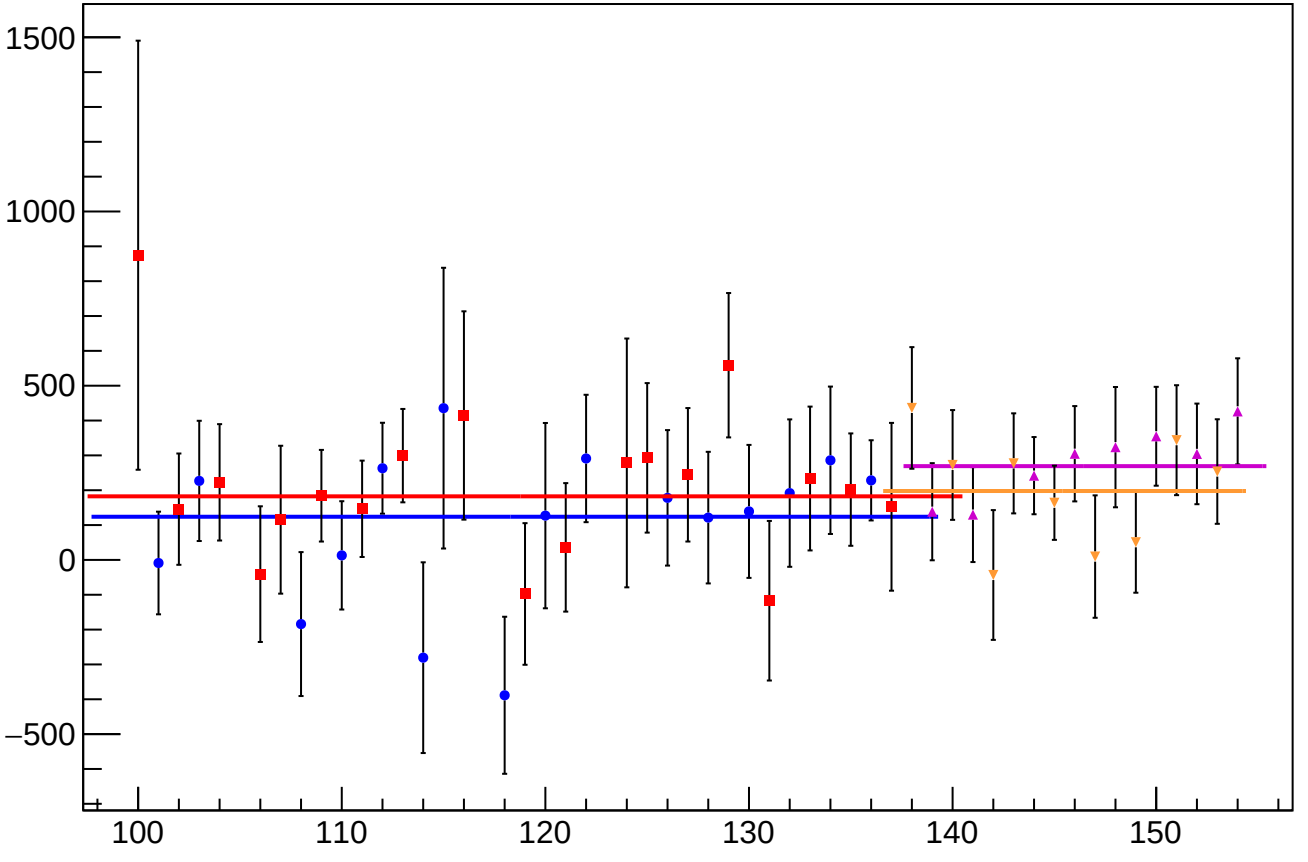
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1019.834+/-0.197 χ^2/NDF:1277630.1/23

Out: 1005.828+/-0.193 χ^2/NDF:1457977.3/27

All: 1012.695+/-0.138 χ^2/NDF: 2738194.8/51

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: 269.137+/-49.115 χ^2/NDF:3.6/7

Left: 233.931+/-34.967 χ^2/NDF: 12.0/16

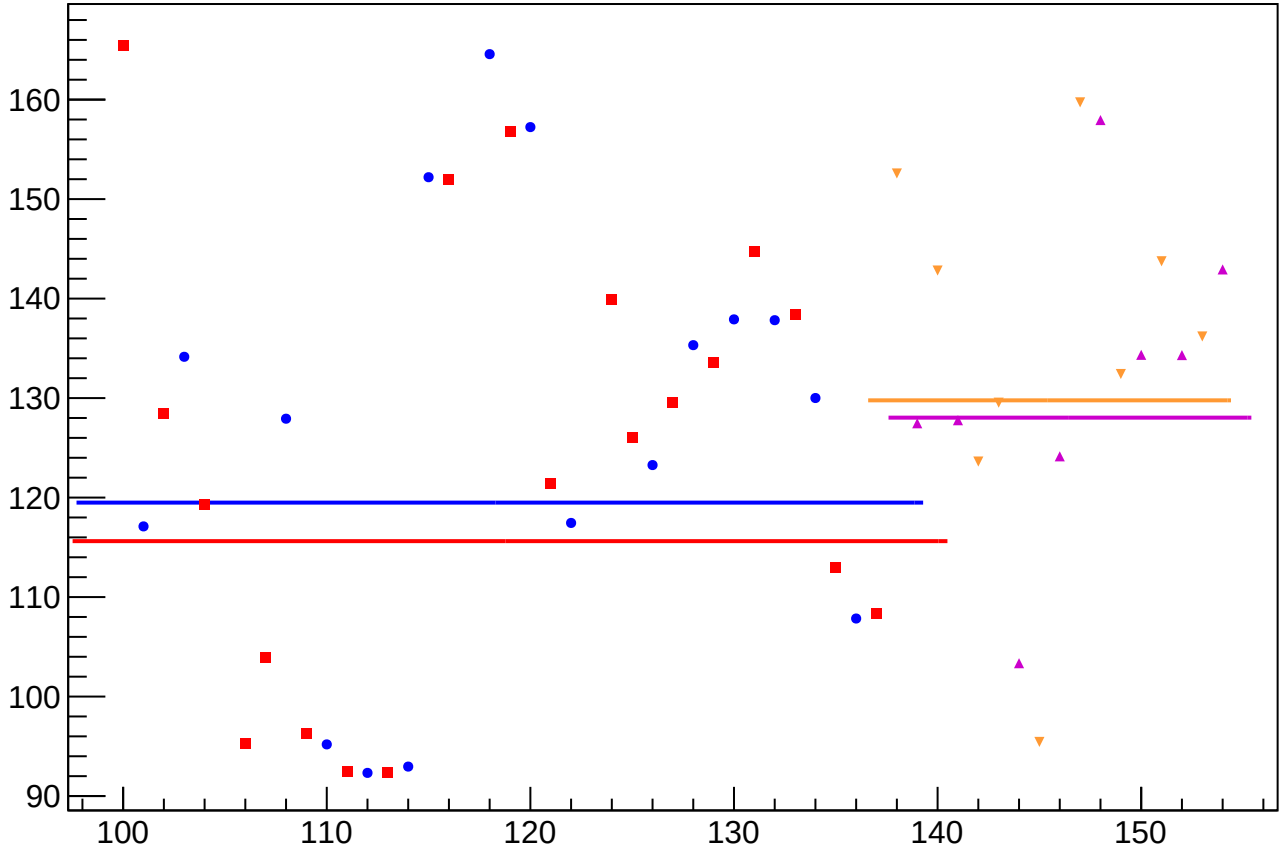
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 190.557+/-33.274 χ^2/NDF:23.8/23

Out: 189.033+/-32.641 χ^2/NDF:19.7/27

All: 189.780+/-23.301 χ^2/NDF: 43.5/51

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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: 128.034+/-0.035 χ^2/NDF:187806.7/7

Left: 128.892+/-0.025 χ^2/NDF: 525214.4/16

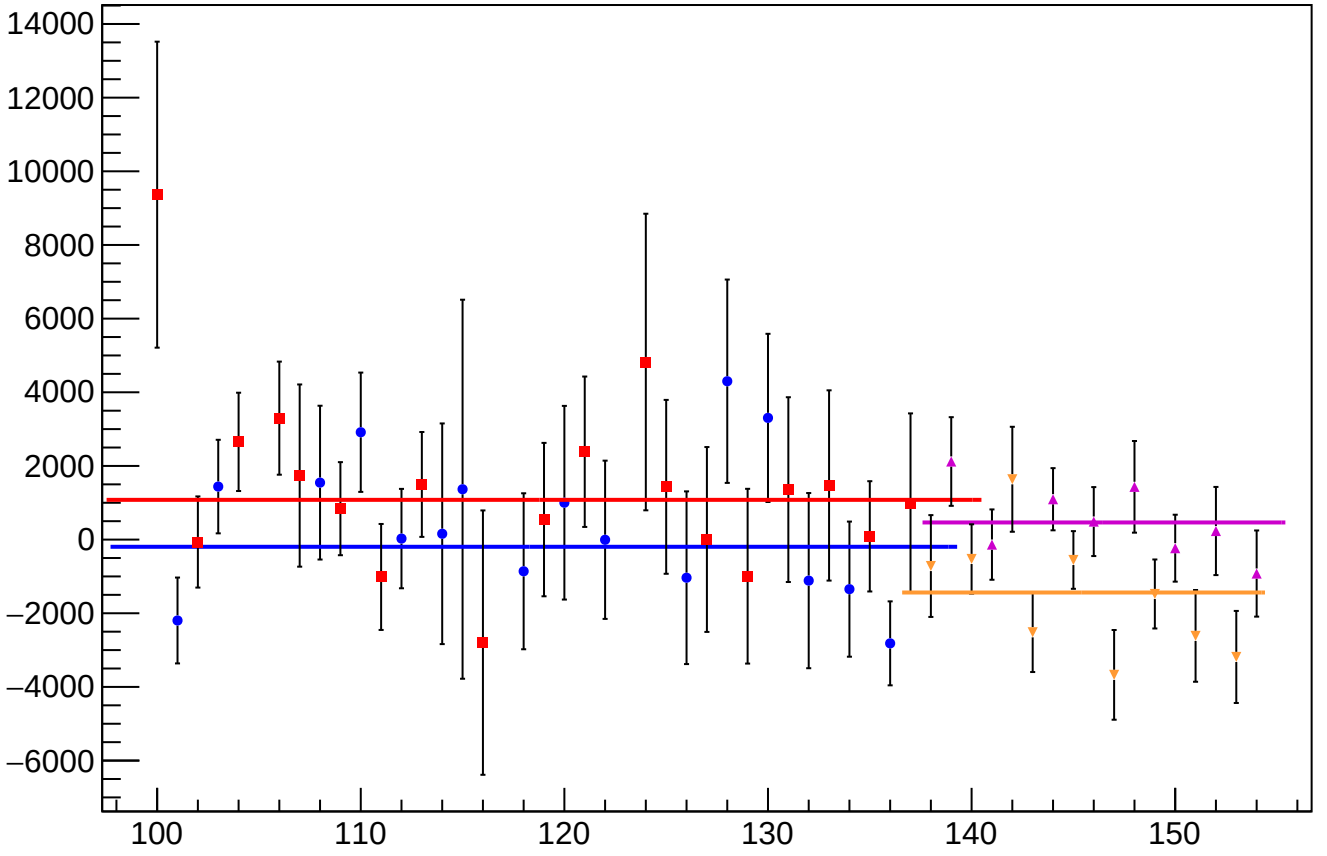
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 123.414+/-0.024 χ^2/NDF:600768.5/23

Out: 121.703+/-0.023 χ^2/NDF:855260.2/27

All: 122.542+/-0.016 χ^2/NDF: 1458723.5/51

asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1436.453+/-359.603 χ^2/NDF:14.4/8

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 465.275+/-362.337 χ^2/NDF:5.5/7

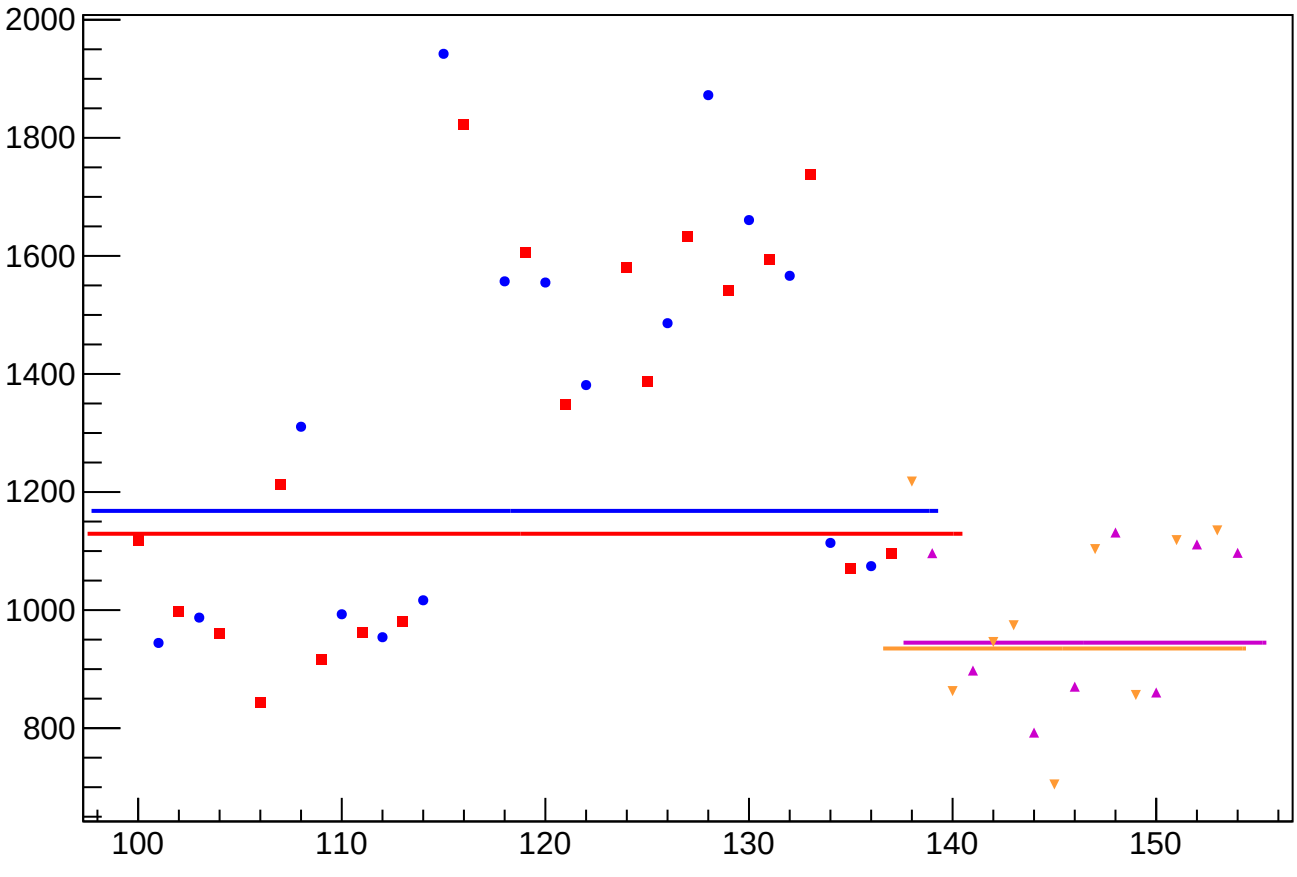
Left: -492.789+/-255.239 χ^2/NDF: 33.7/16

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 203.662+/-281.560 χ^2/NDF:27.2/23

Out: -389.509+/-274.776 χ^2/NDF:49.3/27

All: -100.156+/-196.650 χ^2/NDF: 78.8/51



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: 944.820+/-0.256 χ^2/NDF:249177.4/7

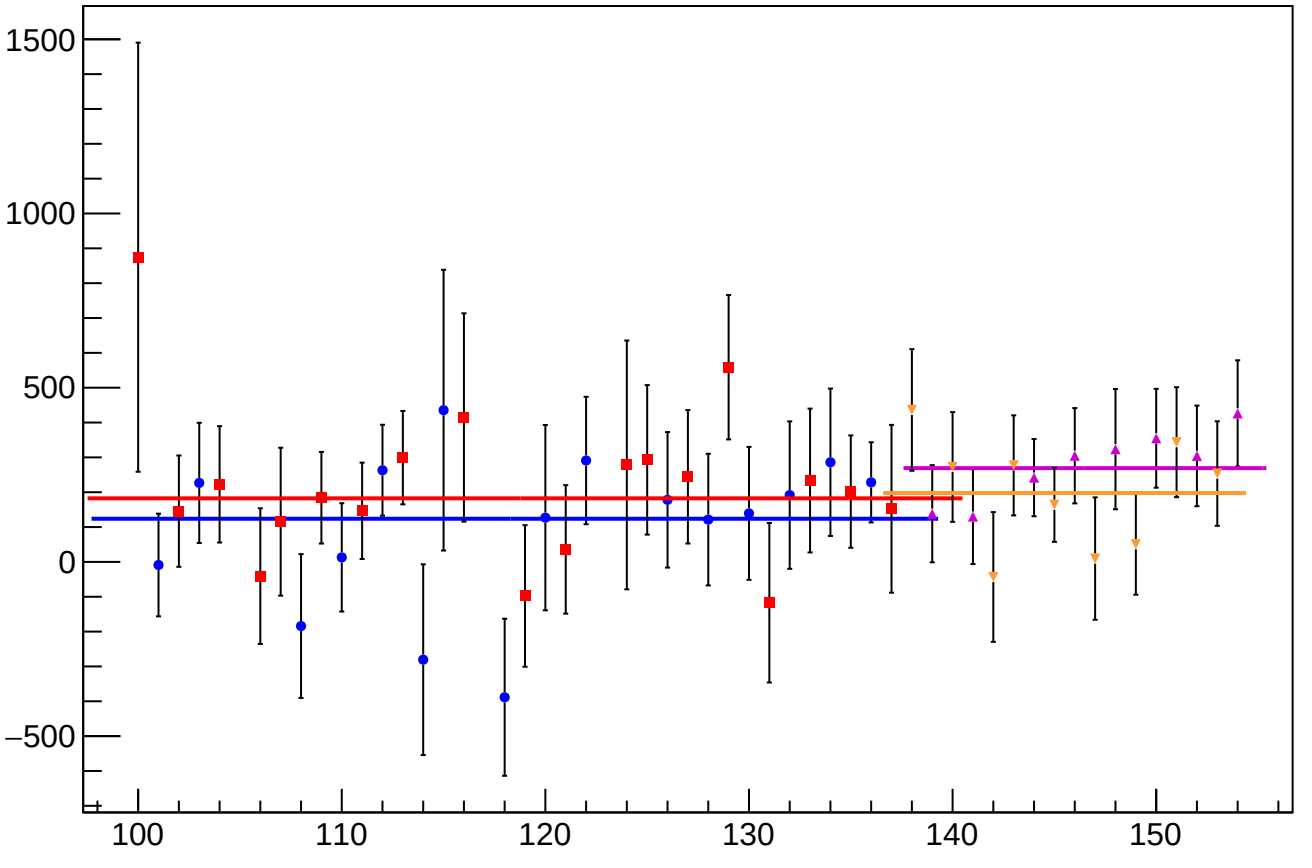
Left: 939.850+/-0.180 χ^2/NDF: 668190.6/16

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1033.262+/-0.199 χ^2/NDF:1259313.6/23

Out: 1015.836+/-0.194 χ^2/NDF:1468621.6/27

All: 1024.336+/-0.139 χ^2/NDF: 2731858.7/51



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 197.746+/-49.793 χ^2/NDF:7.3/8

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 269.138+/-49.115 χ^2/NDF:3.6/7

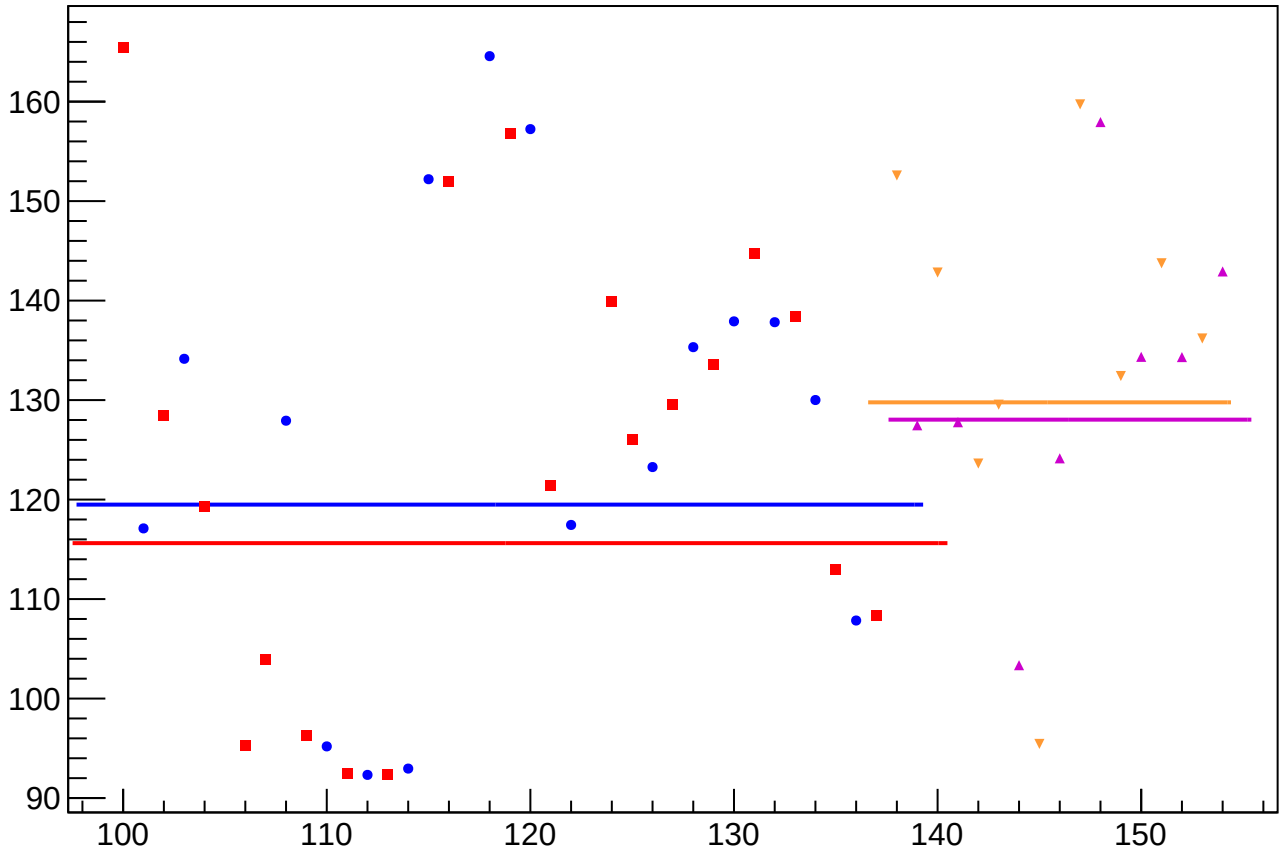
Left: 233.932+/-34.967 χ^2/NDF: 12.0/16

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 190.559+/-33.274 χ^2/NDF:23.8/23

Out: 189.033+/-32.641 χ^2/NDF:19.7/27

All: 189.781+/-23.301 χ^2/NDF: 43.5/51



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: 128.034+/-0.035 χ^2/NDF:187804.9/7

Left: 128.892+/-0.025 χ^2/NDF: 525210.3/16

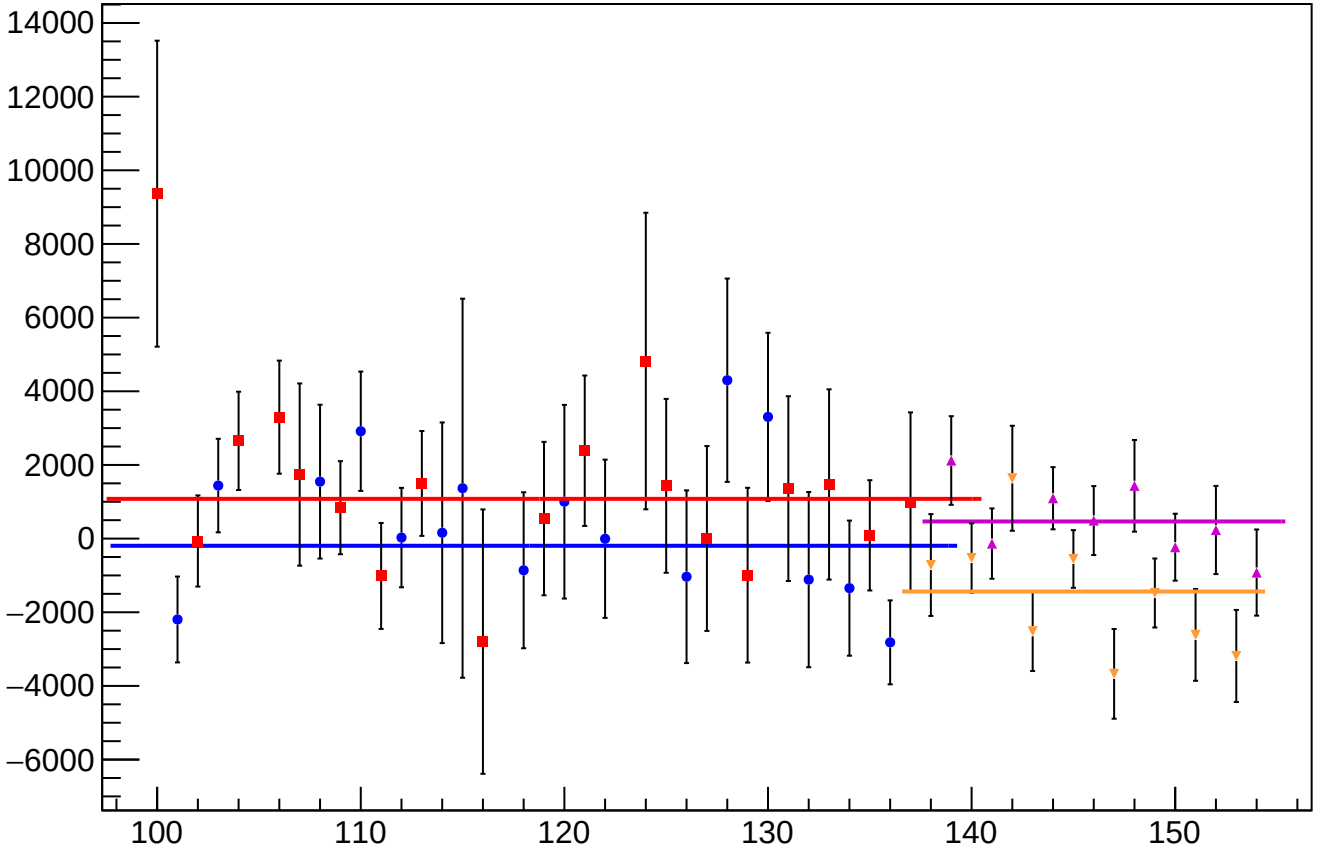
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 123.414+/-0.024 χ^2/NDF:600770.5/23

Out: 121.703+/-0.023 χ^2/NDF:855263.5/27

All: 122.542+/-0.016 χ^2/NDF: 1458728.9/51

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: 465.276+/-362.337 χ^2/NDF:5.5/7

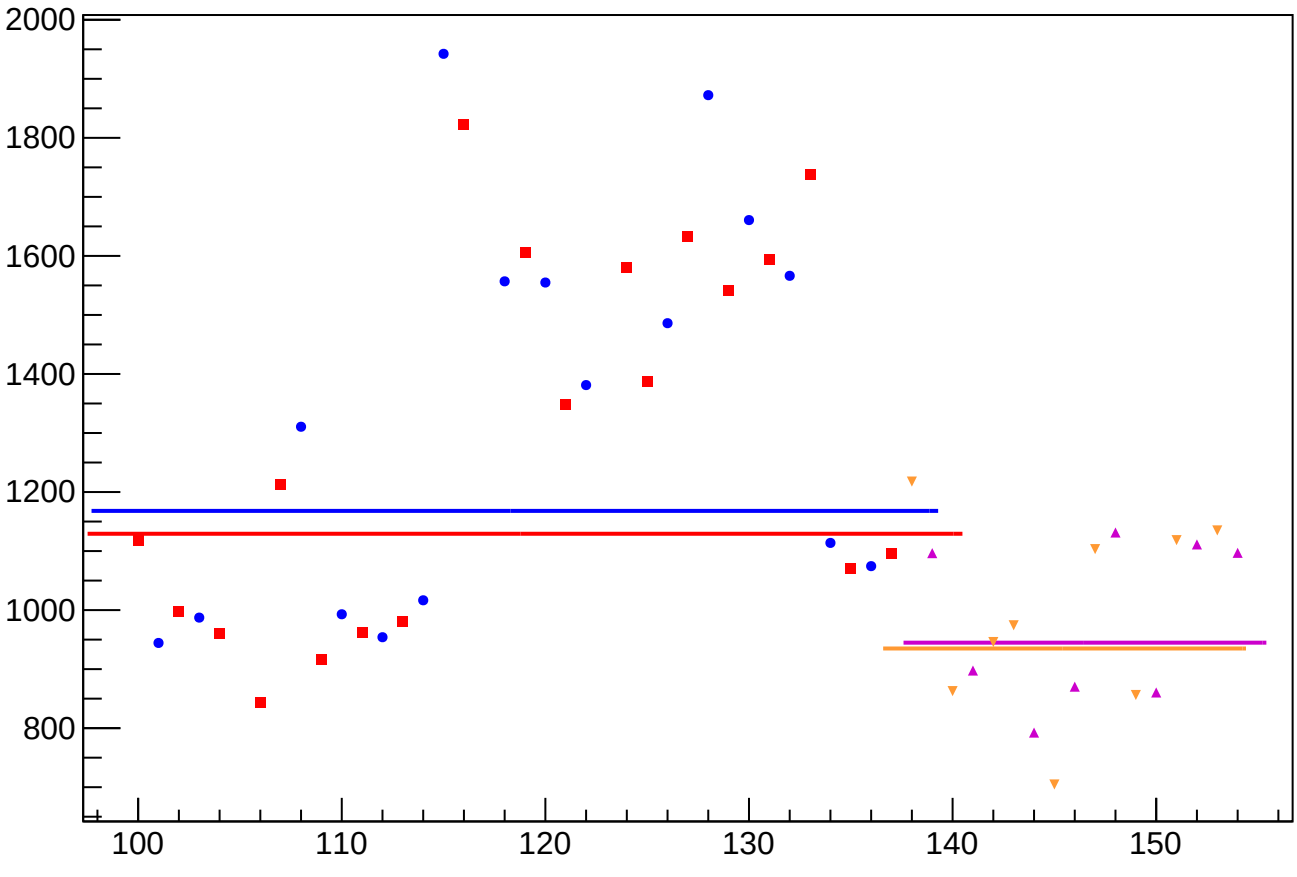
Left: -492.788+/-255.239 χ^2/NDF: 33.7/16

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 203.662+/-281.560 χ^2/NDF:27.2/23

Out: -389.509+/-274.776 χ^2/NDF:49.3/27

All: -100.156+/-196.650 χ^2/NDF: 78.8/51



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: 944.820+/-0.256 χ^2/NDF:249176.0/7

Left: 939.850+/-0.180 χ^2/NDF: 668192.6/16

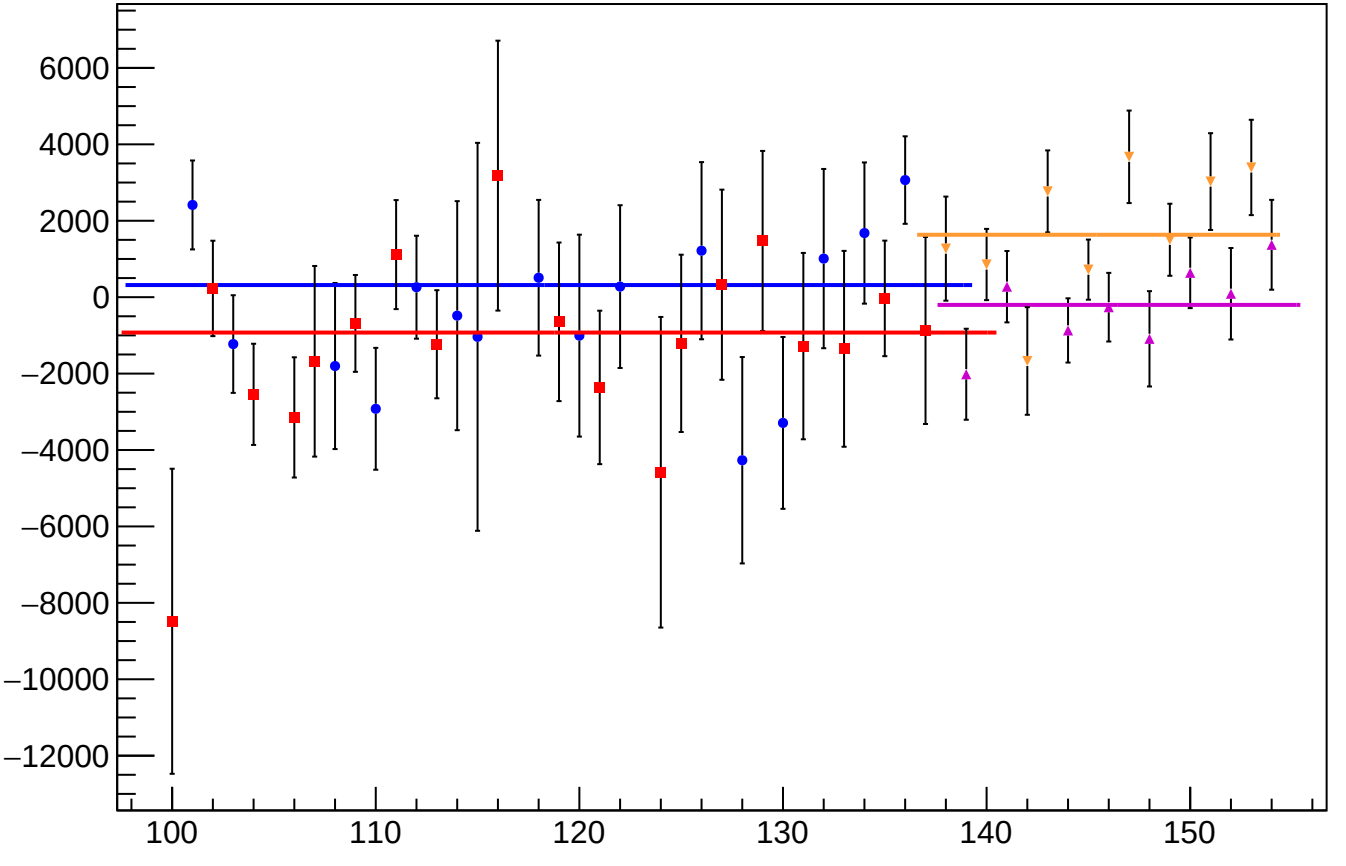
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1033.261+/-0.199 χ^2/NDF:1259313.8/23

Out: 1015.836+/-0.194 χ^2/NDF:1468627.8/27

All: 1024.336+/-0.139 χ^2/NDF: 2731865.4/51

asym_sam_48_dd_mean vs Slug, Sign Corrected



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: -202.079+/-359.516 χ^2/NDF:6.4/7

Left: 716.348+/-254.103 χ^2/NDF: 34.2/16

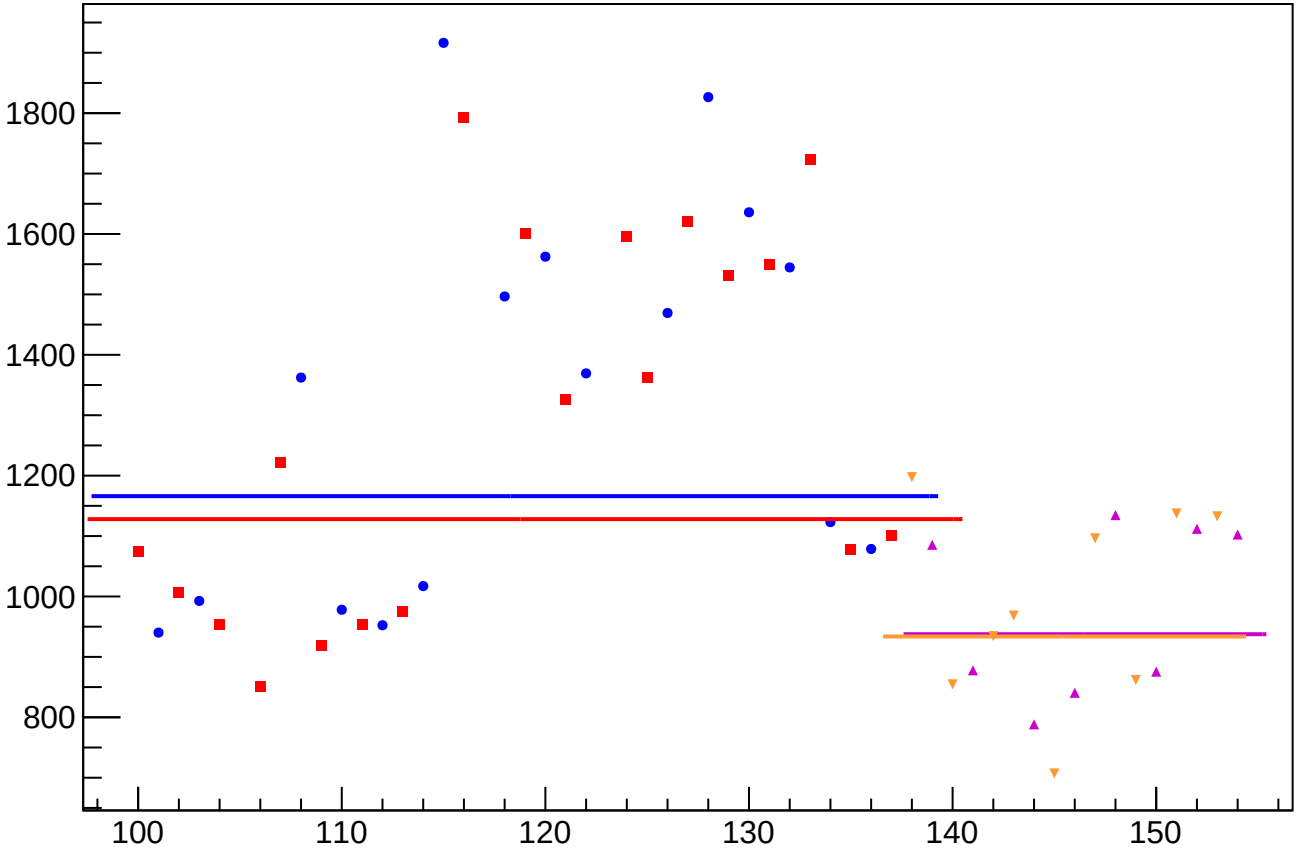
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 2.319+/-279.985 χ^2/NDF:29.4/23

Out: 567.983+/-274.448 χ^2/NDF:50.5/27

All: 290.799+/-195.993 χ^2/NDF: 81.9/51

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: 937.527+/-0.254 χ^2/NDF:266174.6/7

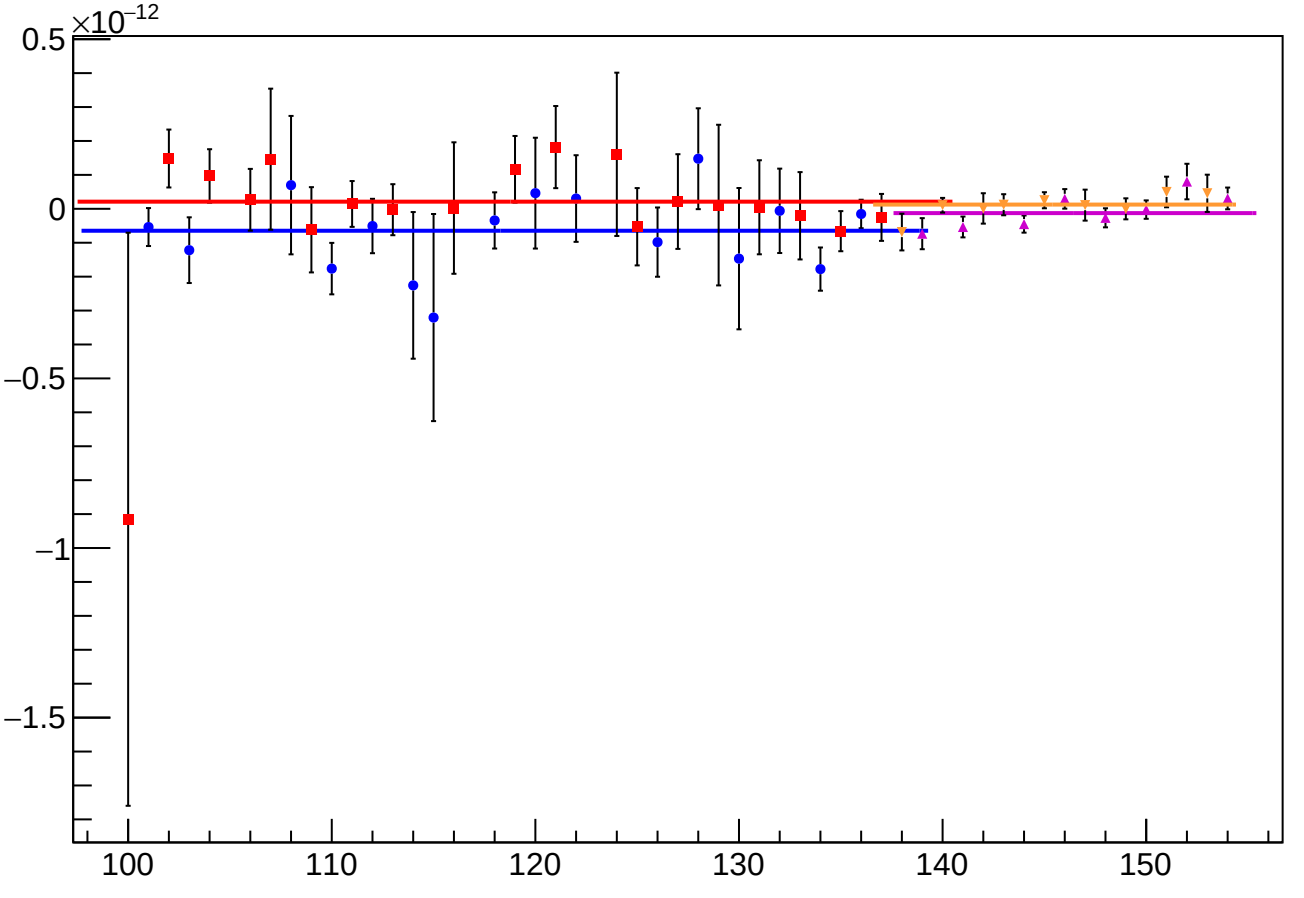
Left: 935.634+/-0.180 χ^2/NDF: 674171.6/16

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1027.452+/-0.198 χ^2/NDF:1261230.4/23

Out: 1014.599+/-0.194 χ^2/NDF:1427129.1/27

All: 1020.897+/-0.139 χ^2/NDF: 2690509.0/51



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:12.6/7

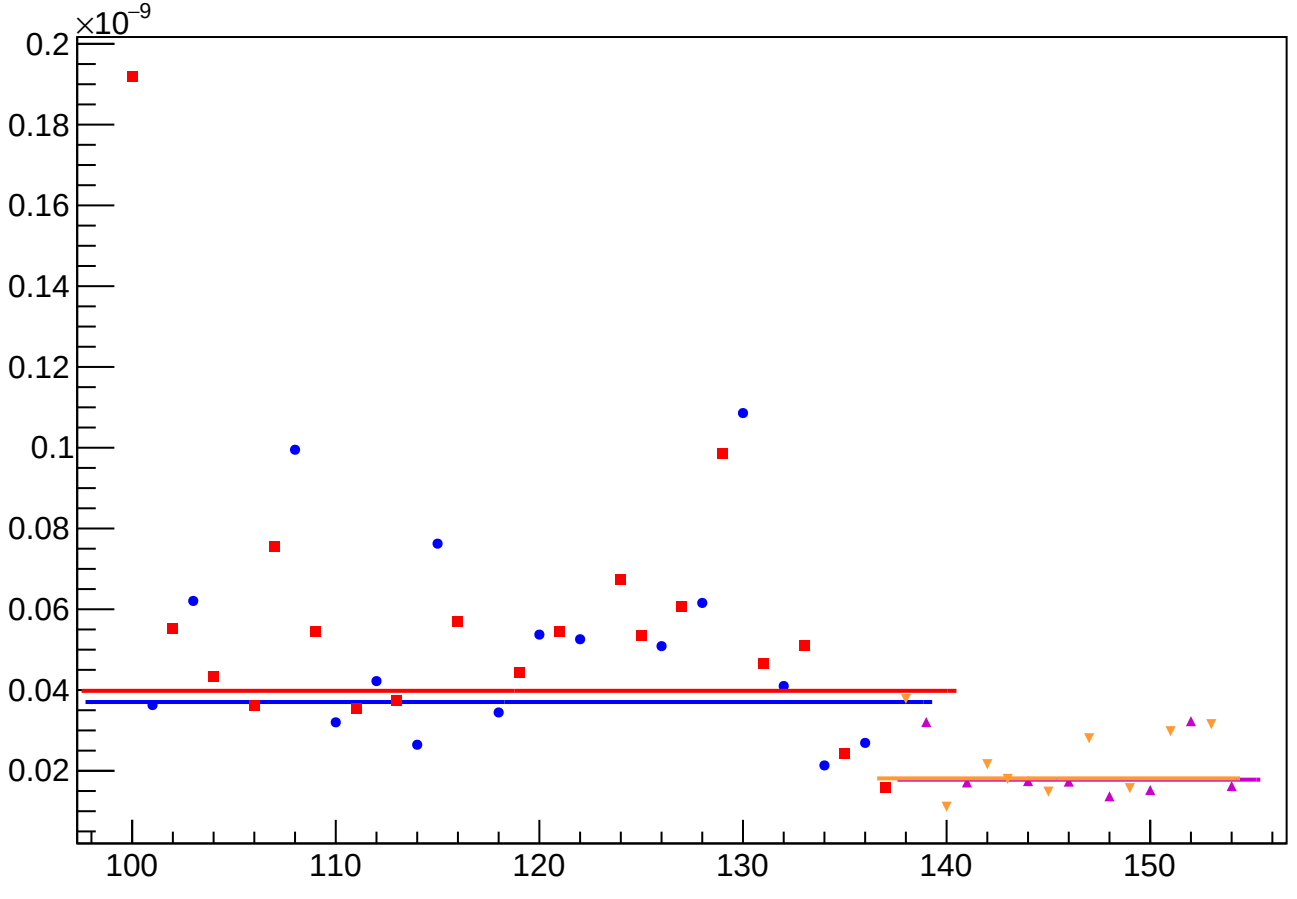
Left: -0.000+/-0.000 χ^2/NDF: 19.0/16

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:29.6/23

Out: 0.000+/-0.000 χ^2/NDF:15.4/27

All: -0.000+/-0.000 χ^2/NDF: 52.1/51



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:414262.8/7

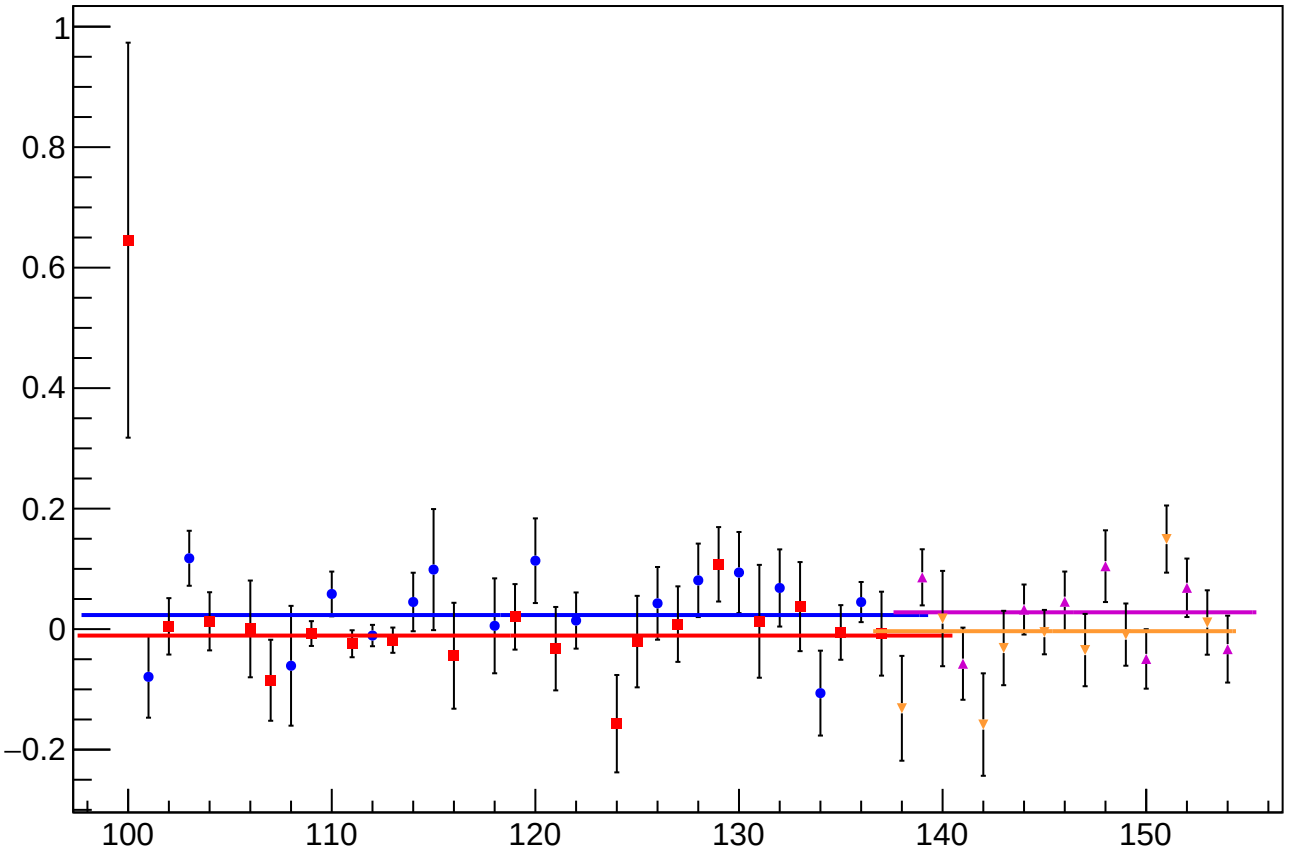
Left: 0.000+/-0.000 χ^2/NDF: 1300319.6/16

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2645986.0/23

Out: 0.000+/-0.000 χ^2/NDF:3219094.3/27

All: 0.000+/-0.000 χ^2/NDF: 5867489.0/51



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: 0.028+/-0.018 χ^2/NDF:9.7/7

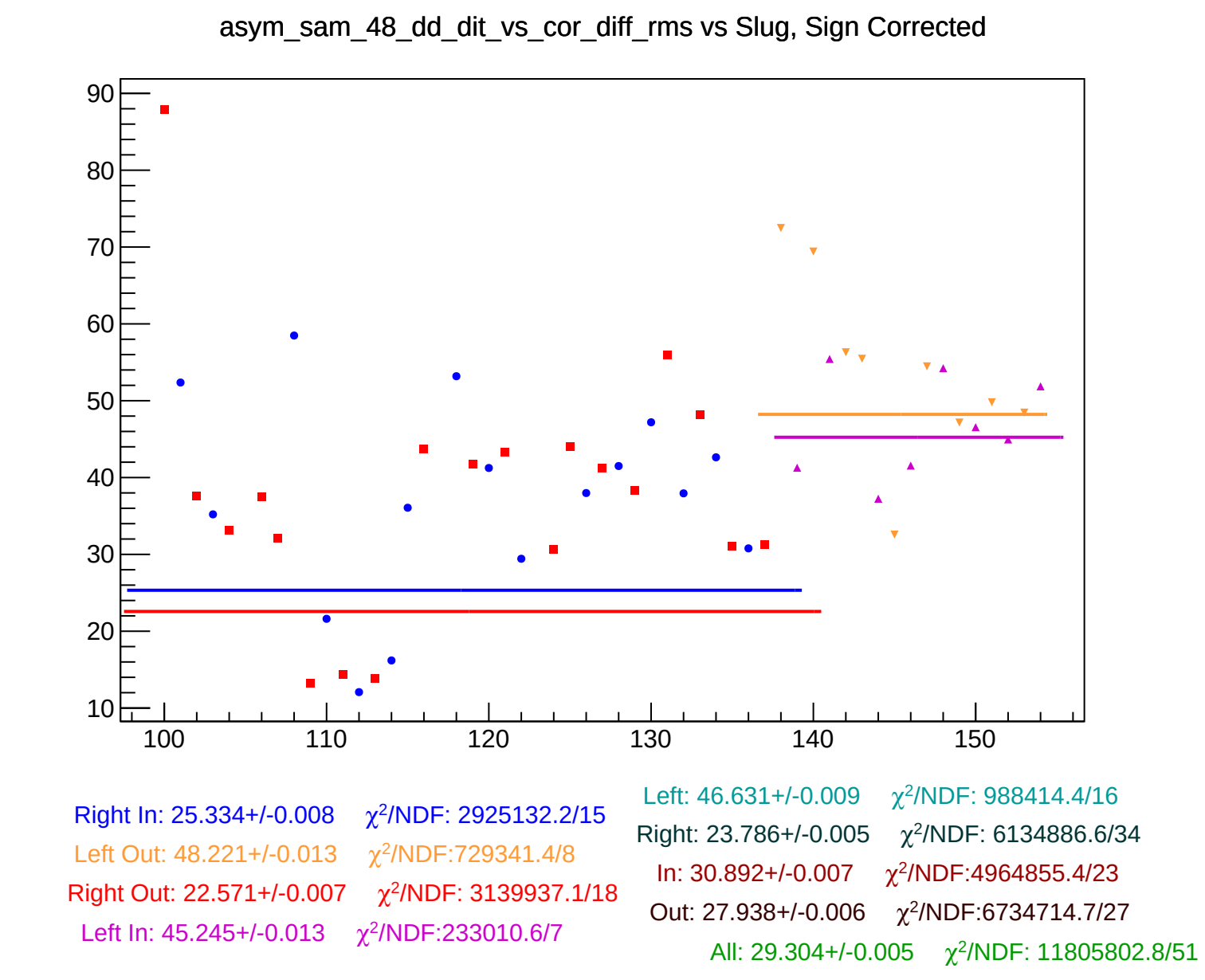
Left: 0.013+/-0.013 χ^2/NDF: 24.8/16

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

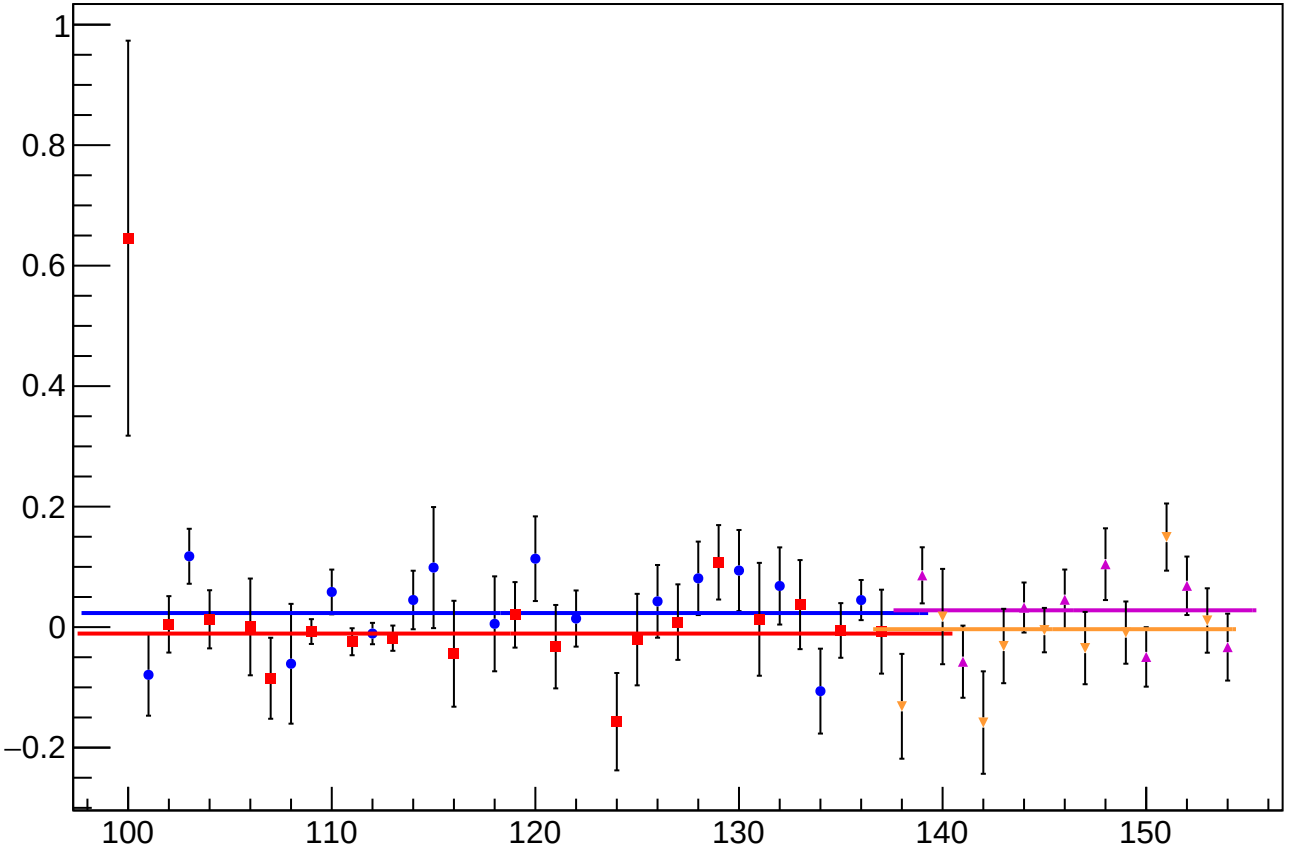
In: 0.025+/-0.009 χ^2/NDF:30.5/23

Out: -0.009+/-0.009 χ^2/NDF:28.0/27

All: 0.006+/-0.006 χ^2/NDF: 65.5/51


asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 25.334+/-0.008 χ²/NDF: 2925132.2/15
Left Out: 48.221+/-0.013 χ²/NDF:729341.4/8
Right Out: 22.571+/-0.007 χ²/NDF: 3139937.1/18
Left In: 45.245+/-0.013 χ²/NDF:233010.6/7
Left: 46.631+/-0.009 χ²/NDF: 988414.4/16
Right: 23.786+/-0.005 χ²/NDF: 6134886.6/34
In: 30.892+/-0.007 χ²/NDF:4964855.4/23
Out: 27.938+/-0.006 χ²/NDF:6734714.7/27
All: 29.304+/-0.005 χ²/NDF: 11805802.8/51

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: 0.028+/-0.018 χ^2/NDF:9.7/7

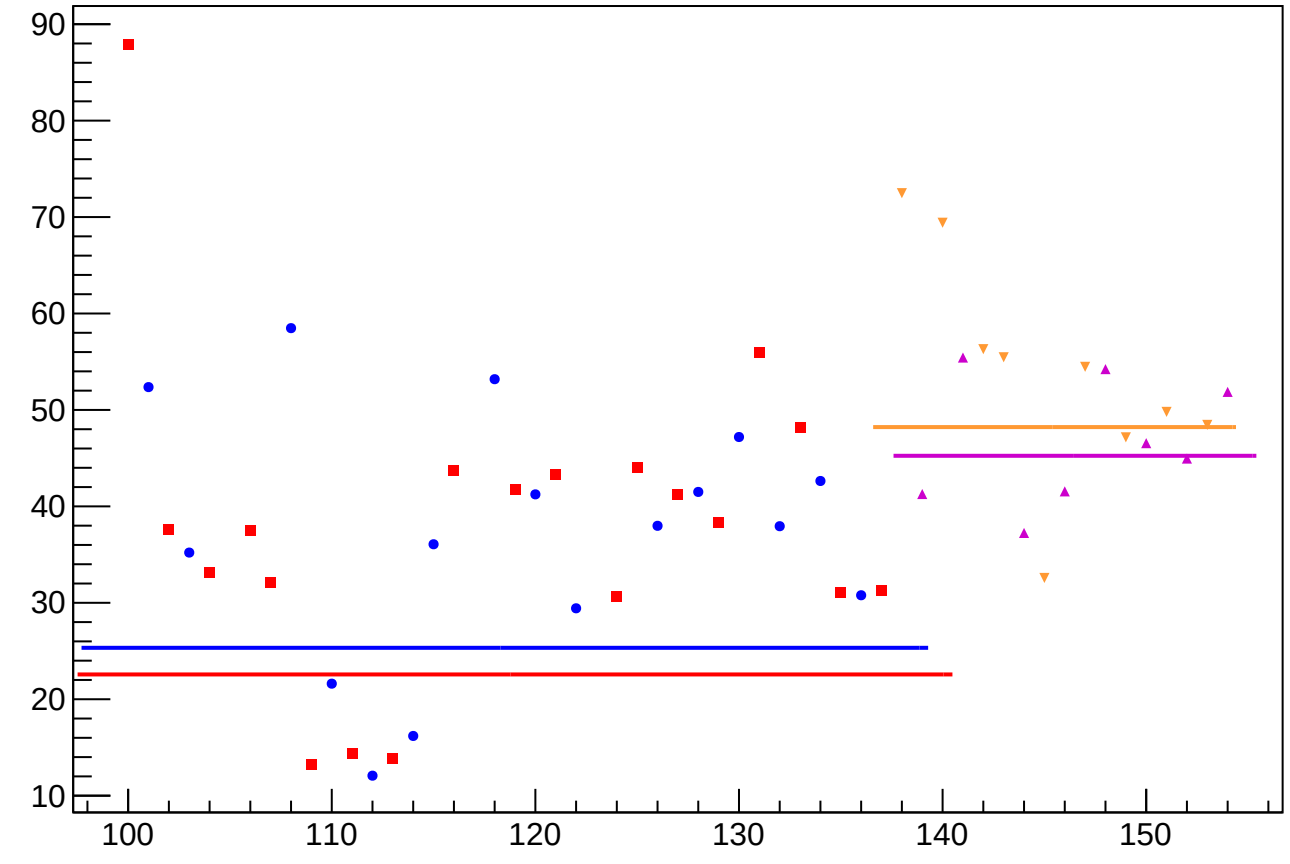
Left: 0.013+/-0.013 χ^2/NDF: 24.8/16

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.009 χ^2/NDF:30.5/23

Out: -0.009+/-0.009 χ^2/NDF:28.0/27

All: 0.006+/-0.006 χ^2/NDF: 65.5/51



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: 45.245+/-0.013 χ^2/NDF:233010.6/7

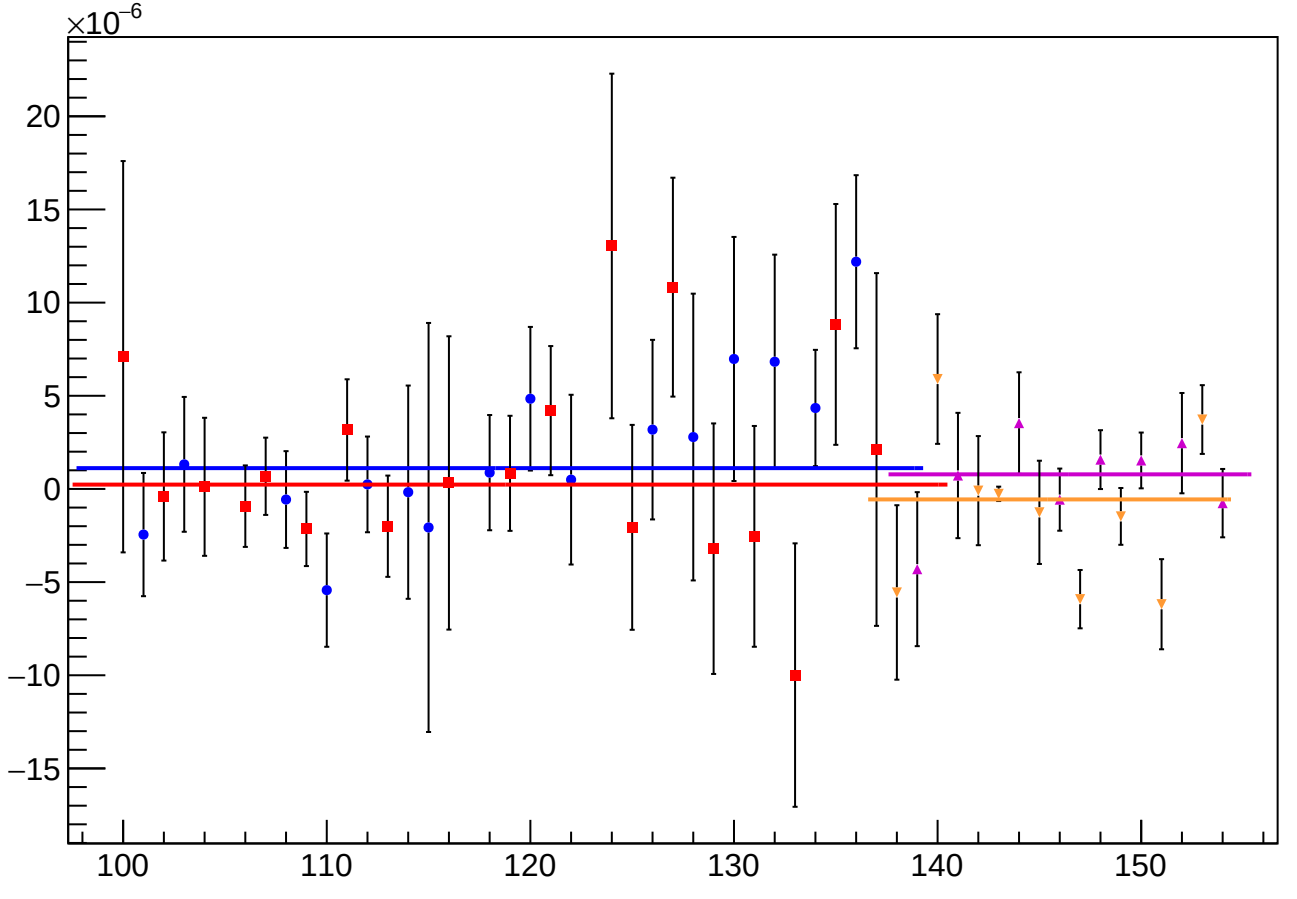
Left: 46.631+/-0.009 χ^2/NDF: 988414.4/16

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 30.892+/-0.007 χ^2/NDF:4964855.4/23

Out: 27.938+/-0.006 χ^2/NDF:6734714.7/27

All: 29.304+/-0.005 χ^2/NDF: 11805802.8/51



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:4.8/7

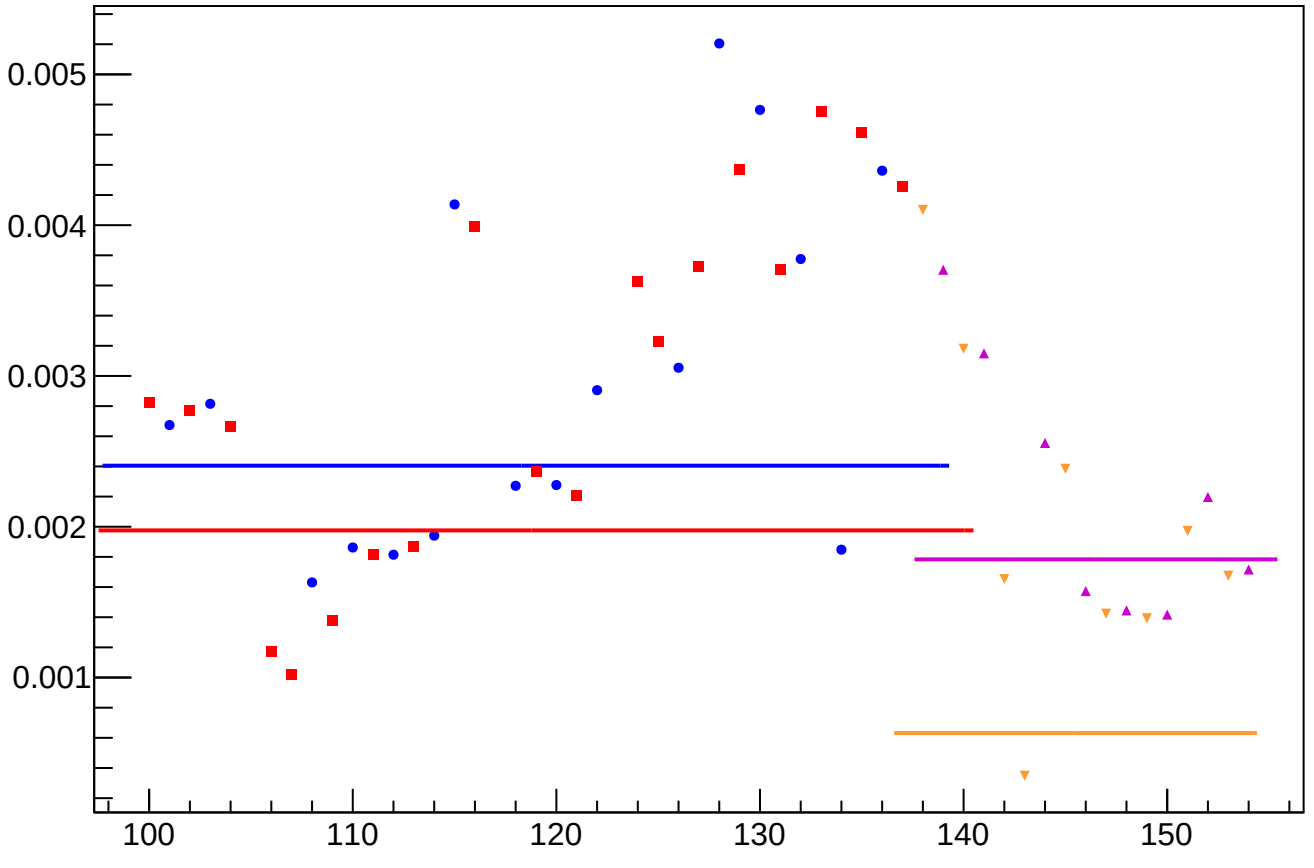
Left: -0.000+/-0.000 χ^2/NDF: 35.8/16

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:21.1/23

Out: -0.000+/-0.000 χ^2/NDF:44.1/27

All: -0.000+/-0.000 χ^2/NDF: 69.3/51



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:1215845.0/7

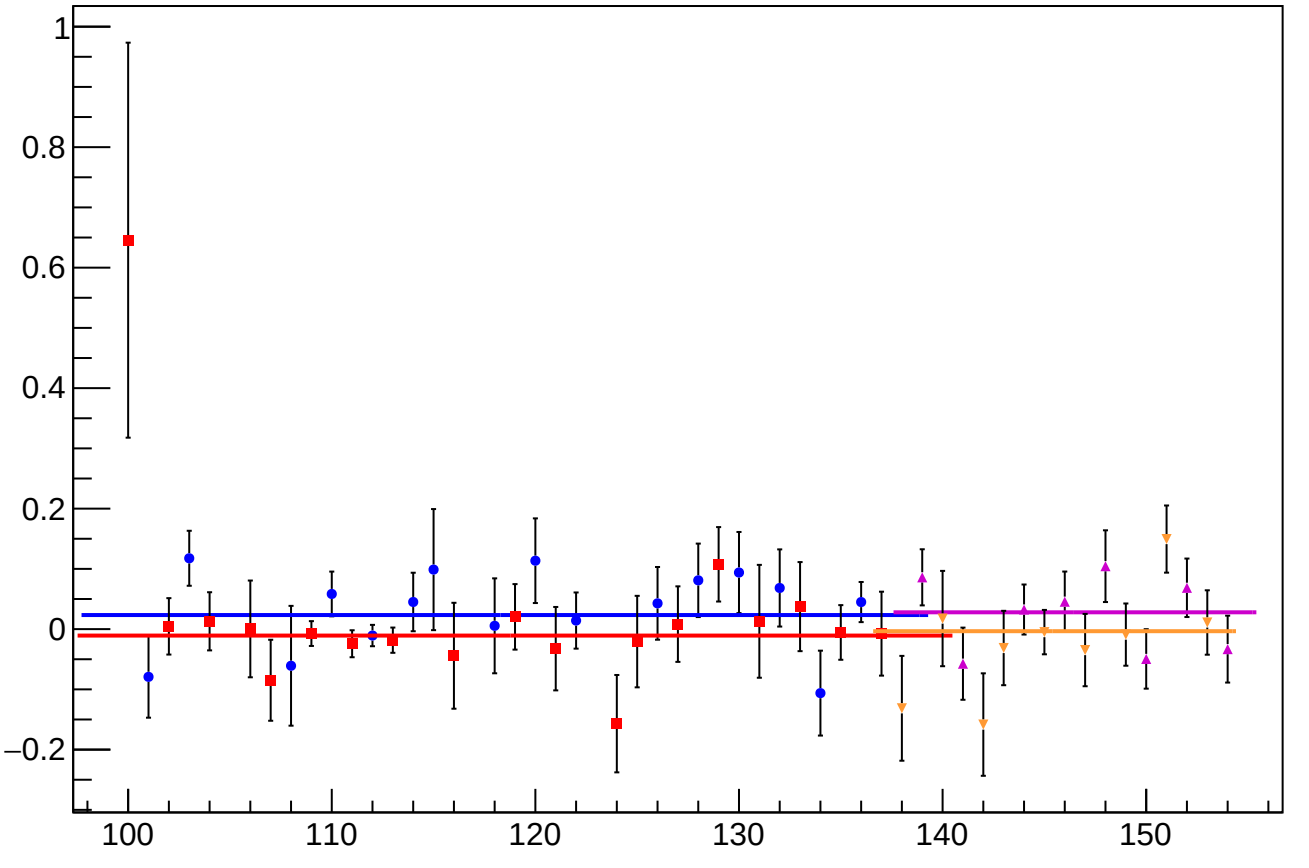
Left: 0.001+/-0.000 χ^2/NDF: 11919807.7/16

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3327213.0/23

Out: 0.001+/-0.000 χ^2/NDF:13962058.1/27

All: 0.001+/-0.000 χ^2/NDF: 23644924.2/51



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: 0.028+/-0.018 χ^2/NDF:9.7/7

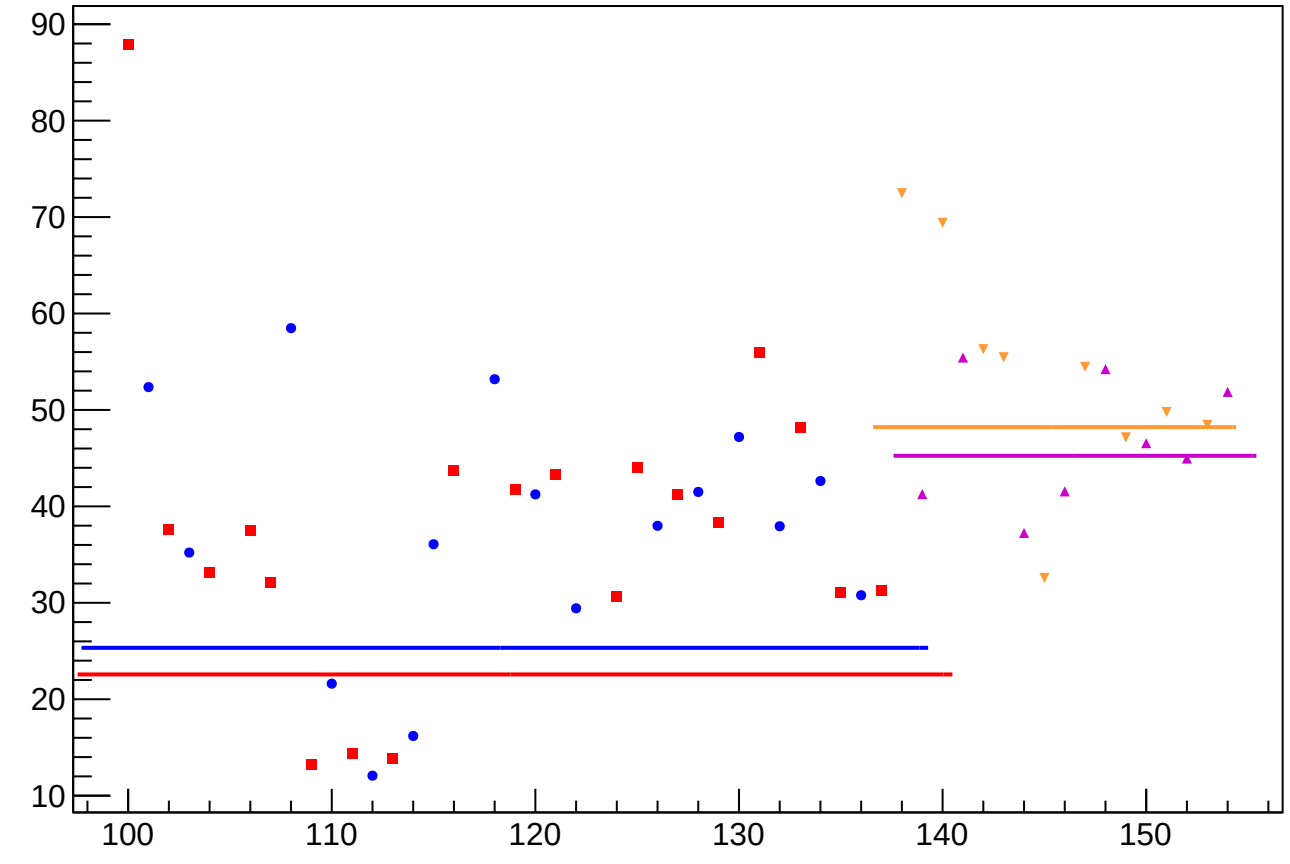
Left: 0.013+/-0.013 χ^2/NDF: 24.8/16

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.009 χ^2/NDF:30.5/23

Out: -0.009+/-0.009 χ^2/NDF:28.0/27

All: 0.006+/-0.006 χ^2/NDF: 65.5/51



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: 45.246+/-0.013 χ^2/NDF:233000.4/7

Left: 46.631+/-0.009 χ^2/NDF: 988372.4/16

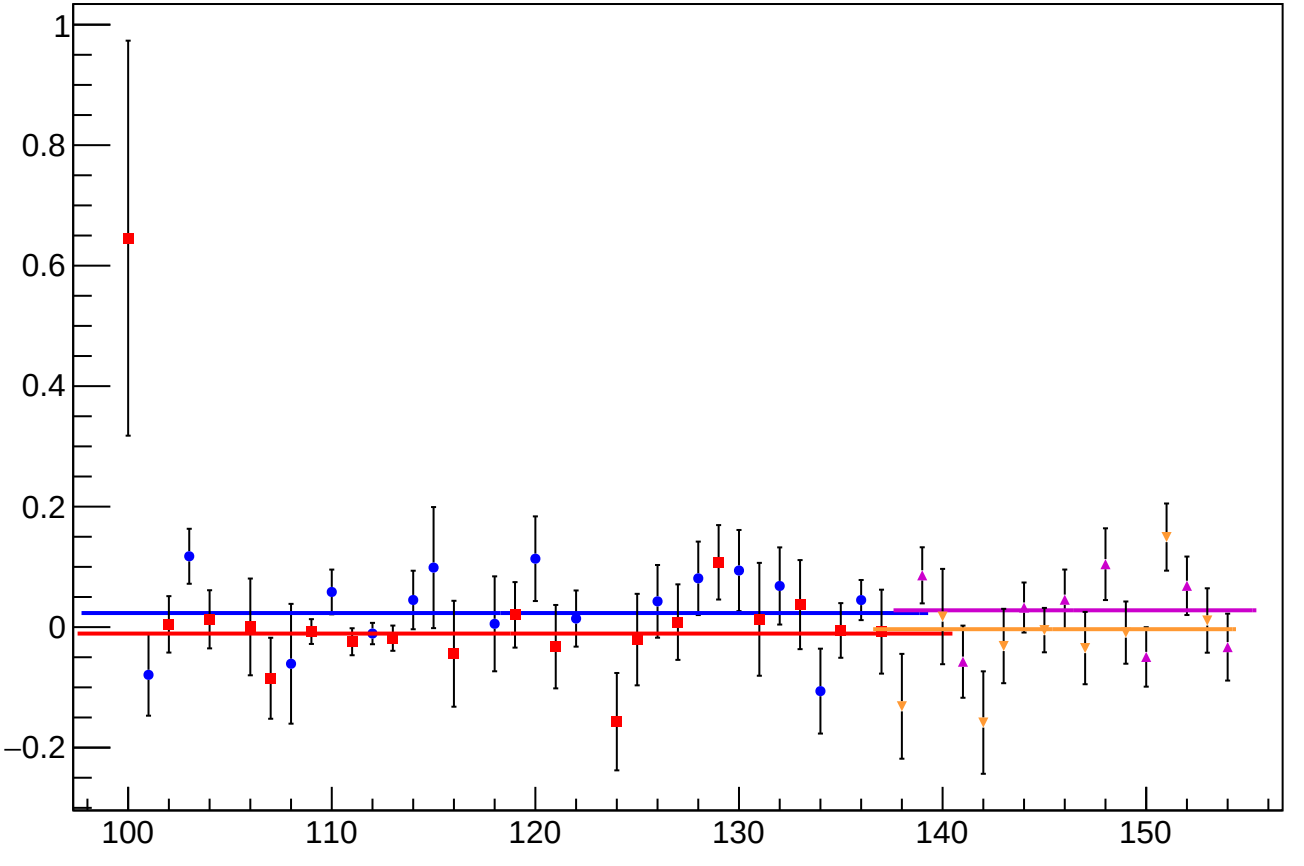
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 30.891+/-0.007 χ^2/NDF:4965582.7/23

Out: 27.938+/-0.006 χ^2/NDF:6734957.9/27

All: 29.304+/-0.005 χ^2/NDF: 11806714.6/51

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: 0.028+/-0.018 χ^2/NDF:9.7/7

Left: 0.013+/-0.013 χ^2/NDF: 24.8/16

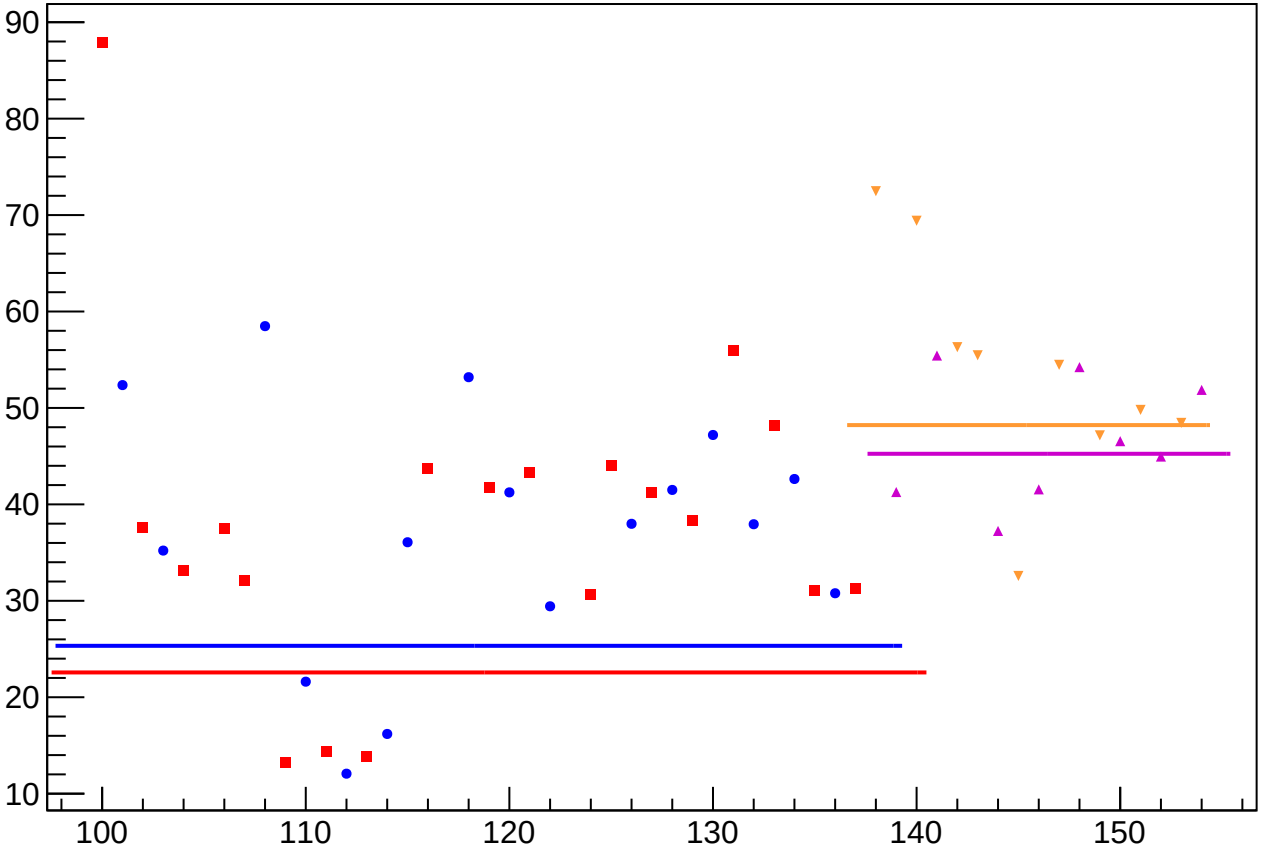
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.009 χ^2/NDF:30.5/23

Out: -0.009+/-0.009 χ^2/NDF:28.0/27

All: 0.006+/-0.006 χ^2/NDF: 65.5/51

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: 45.246+/-0.013 χ^2/NDF:233000.4/7

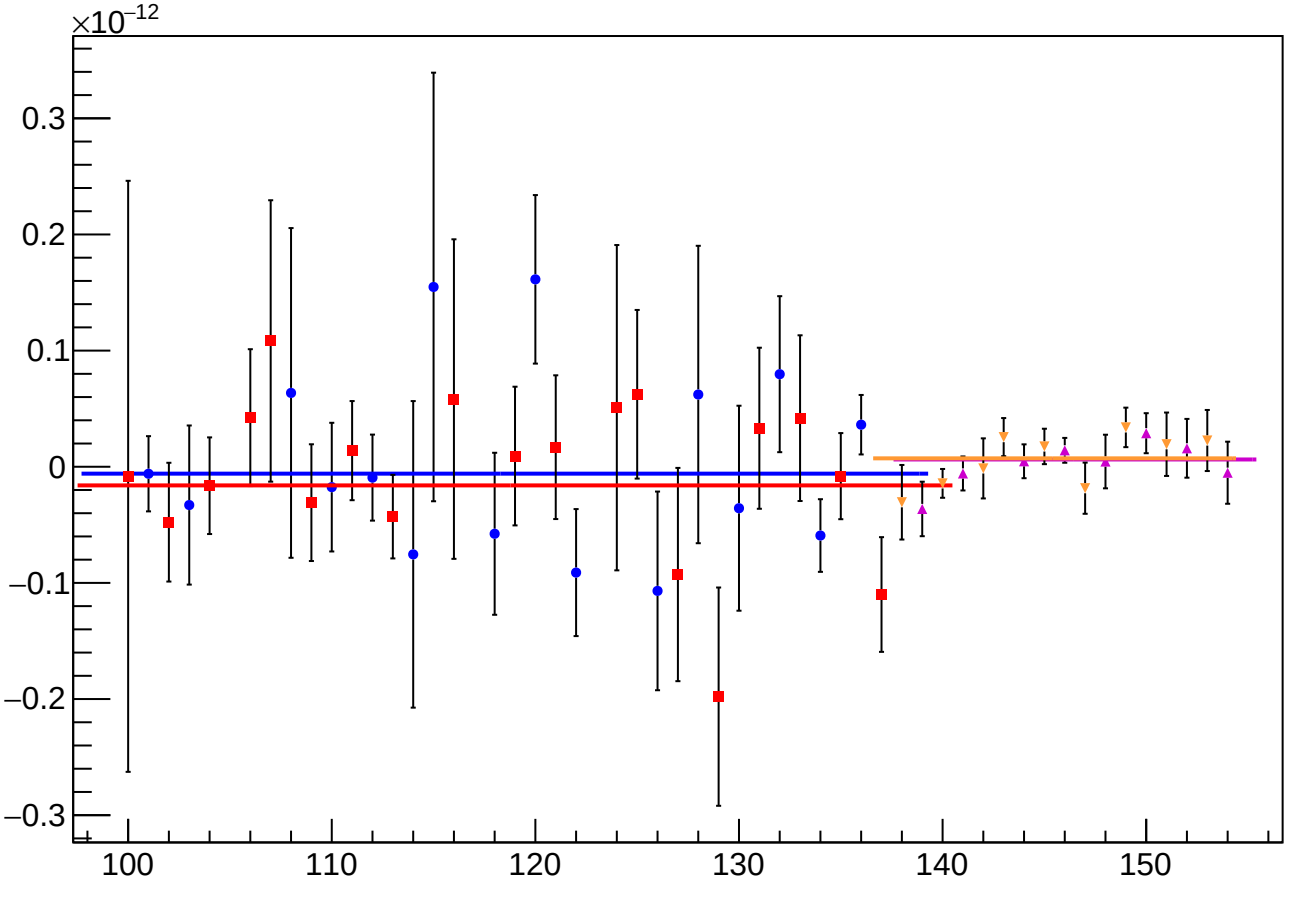
Left: 46.631+/-0.009 χ^2/NDF: 988372.4/16

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 30.891+/-0.007 χ^2/NDF:4965582.7/23

Out: 27.938+/-0.006 χ^2/NDF:6734957.9/27

All: 29.304+/-0.005 χ^2/NDF: 11806714.6/51



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:6.6/7

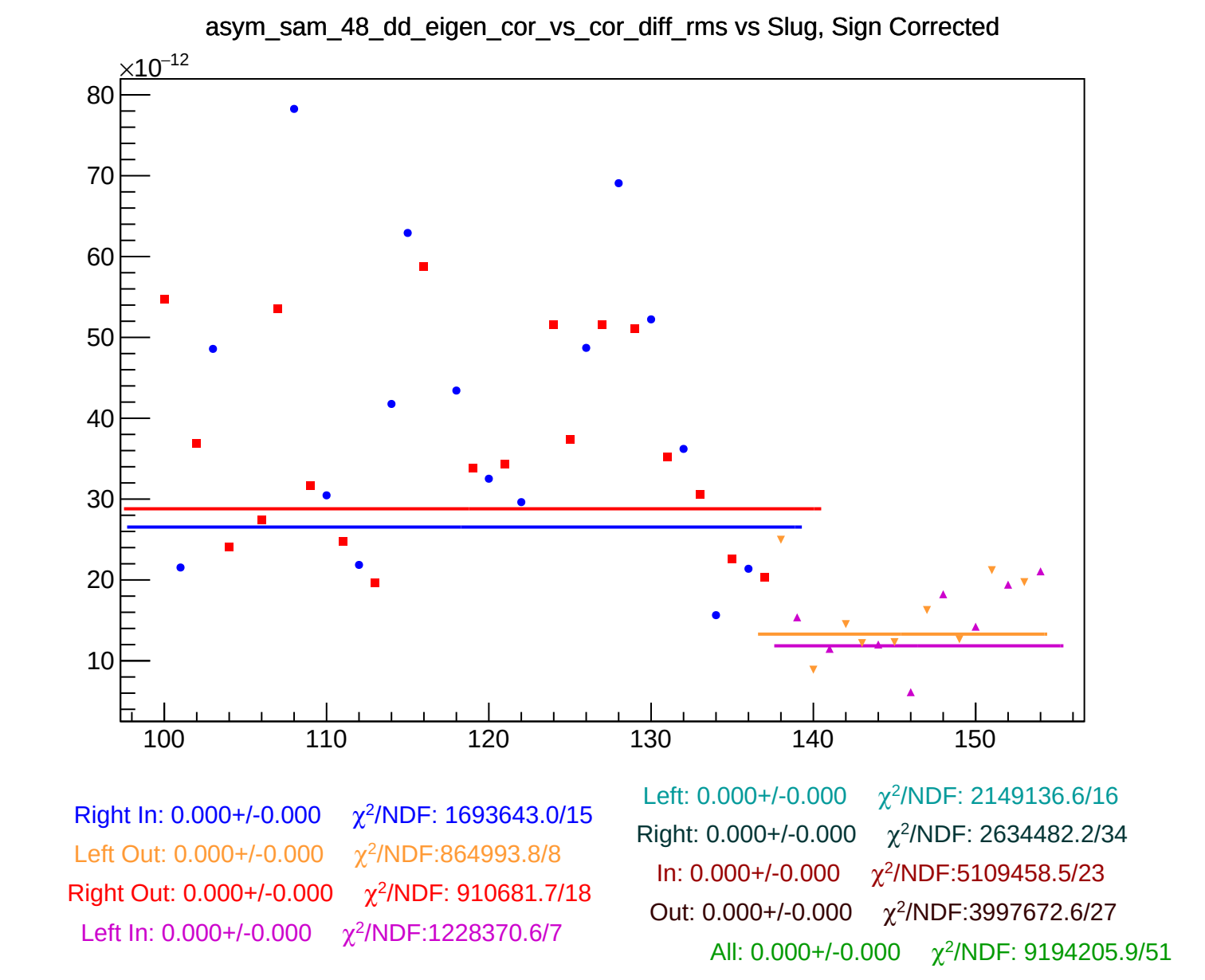
Left: 0.000+/-0.000 χ^2/NDF: 17.2/16

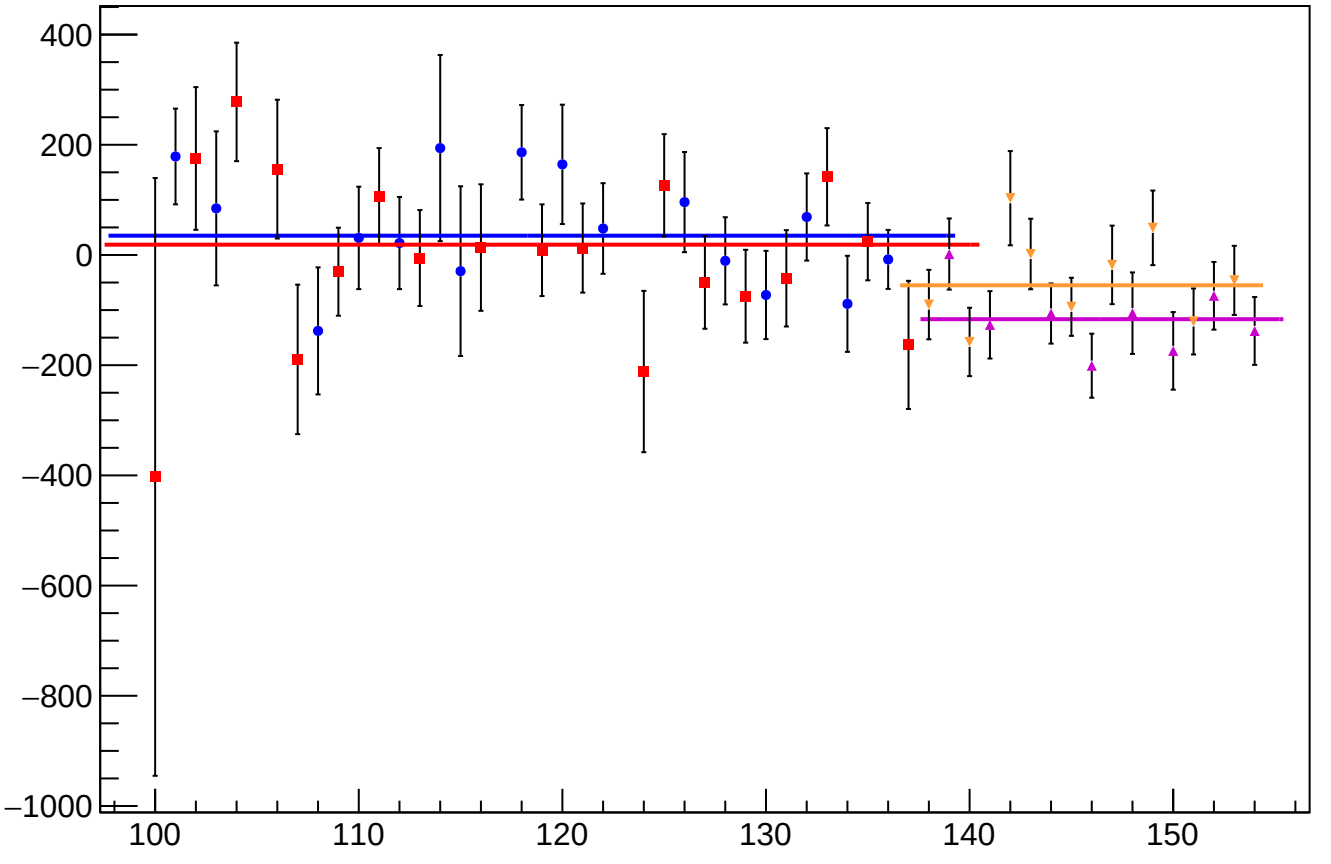
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:26.1/23

Out: 0.000+/-0.000 χ^2/NDF:28.1/27

All: 0.000+/-0.000 χ^2/NDF: 54.2/51


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:864993.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1228370.6/7
Left: 0.000+/-0.000 χ²/NDF: 2149136.6/16
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5109458.5/23
Out: 0.000+/-0.000 χ²/NDF:3997672.6/27
All: 0.000+/-0.000 χ²/NDF: 9194205.9/51



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: -116.514+/-22.073 χ^2/NDF:6.8/7

Left: -84.689+/-15.334 χ^2/NDF: 22.5/16

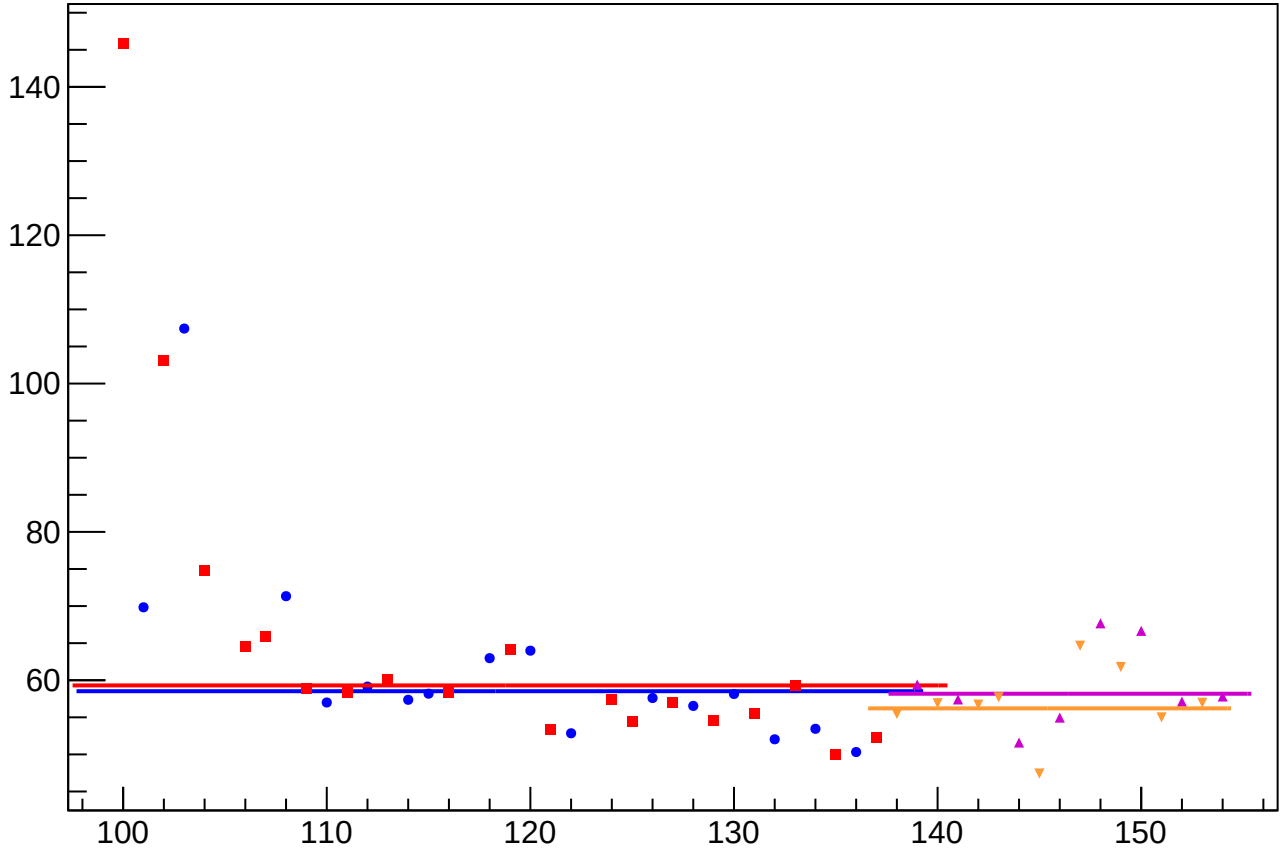
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -40.957+/-15.630 χ^2/NDF:46.5/23

Out: -19.544+/-15.356 χ^2/NDF:40.9/27

All: -30.061+/-10.954 χ^2/NDF: 88.4/51

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: 58.182+/-0.016 χ^2/NDF:98880.3/7

Left: 57.159+/-0.011 χ^2/NDF: 207226.3/16

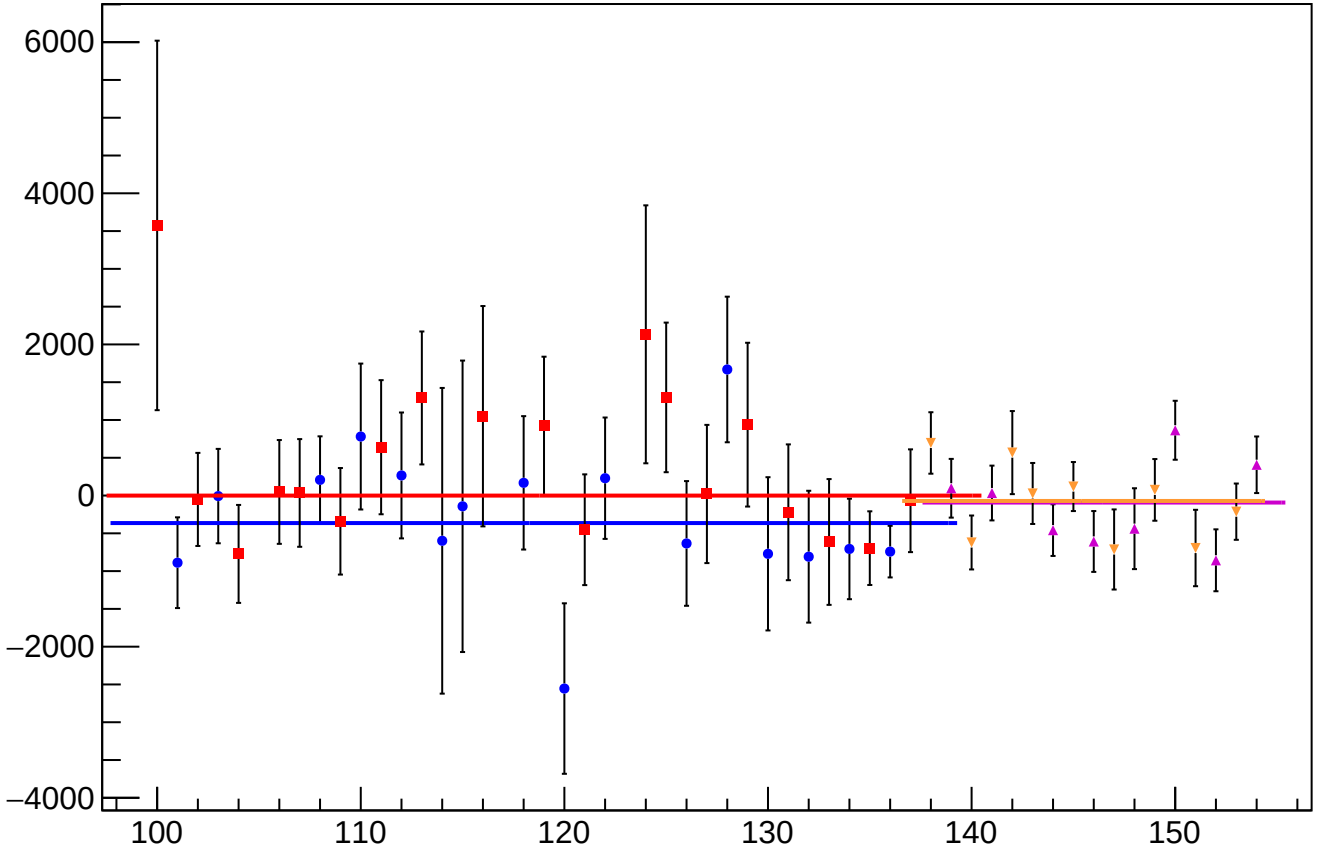
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.351+/-0.011 χ^2/NDF:491859.4/23

Out: 57.695+/-0.011 χ^2/NDF:526955.4/27

All: 58.017+/-0.008 χ^2/NDF: 1020607.0/51

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: -92.696+/-138.513 χ^2/NDF:14.8/7

Left: -82.026+/-97.287 χ^2/NDF: 25.8/16

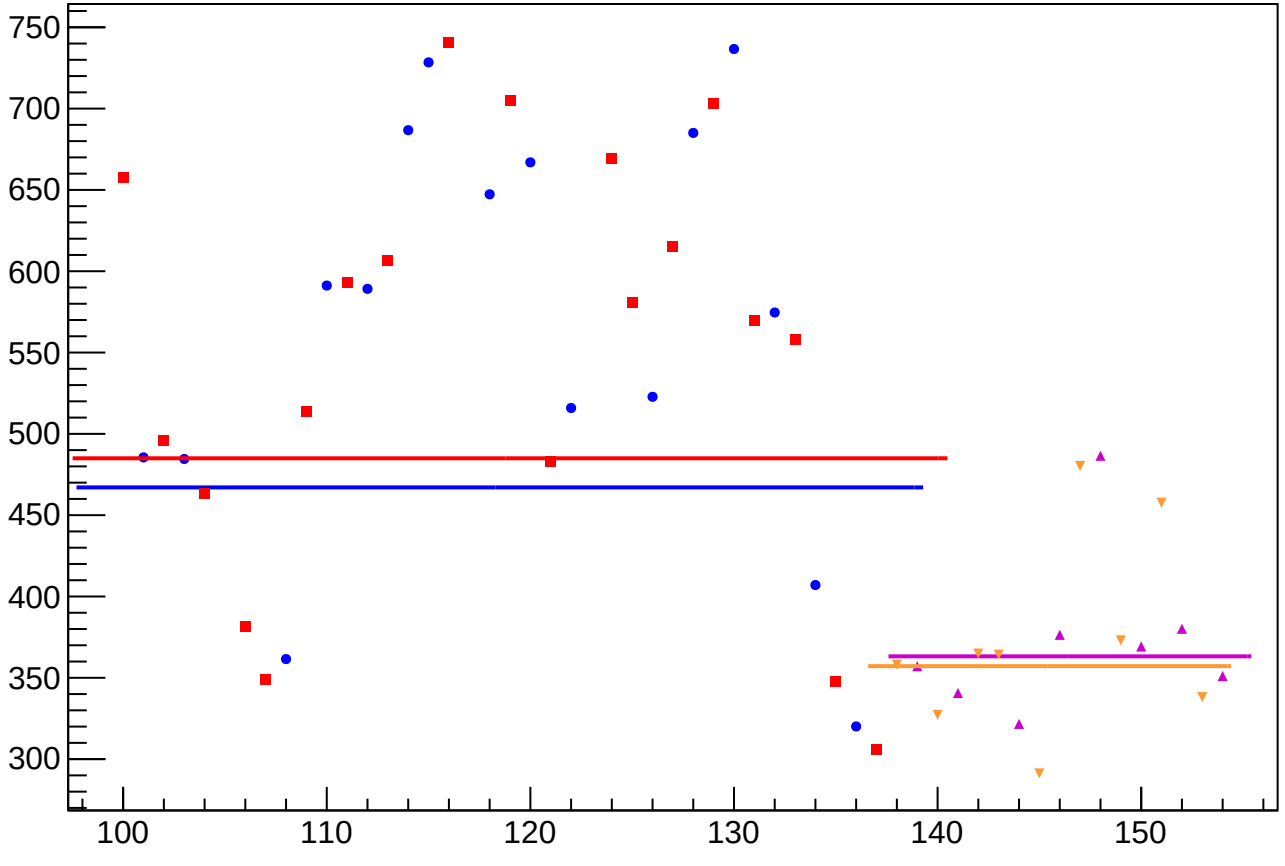
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -193.206+/-109.909 χ^2/NDF:31.5/23

Out: -46.205+/-109.523 χ^2/NDF:26.1/27

All: -119.447+/-77.581 χ^2/NDF: 58.5/51

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: 363.193+/-0.098 χ^2/NDF:152185.9/7

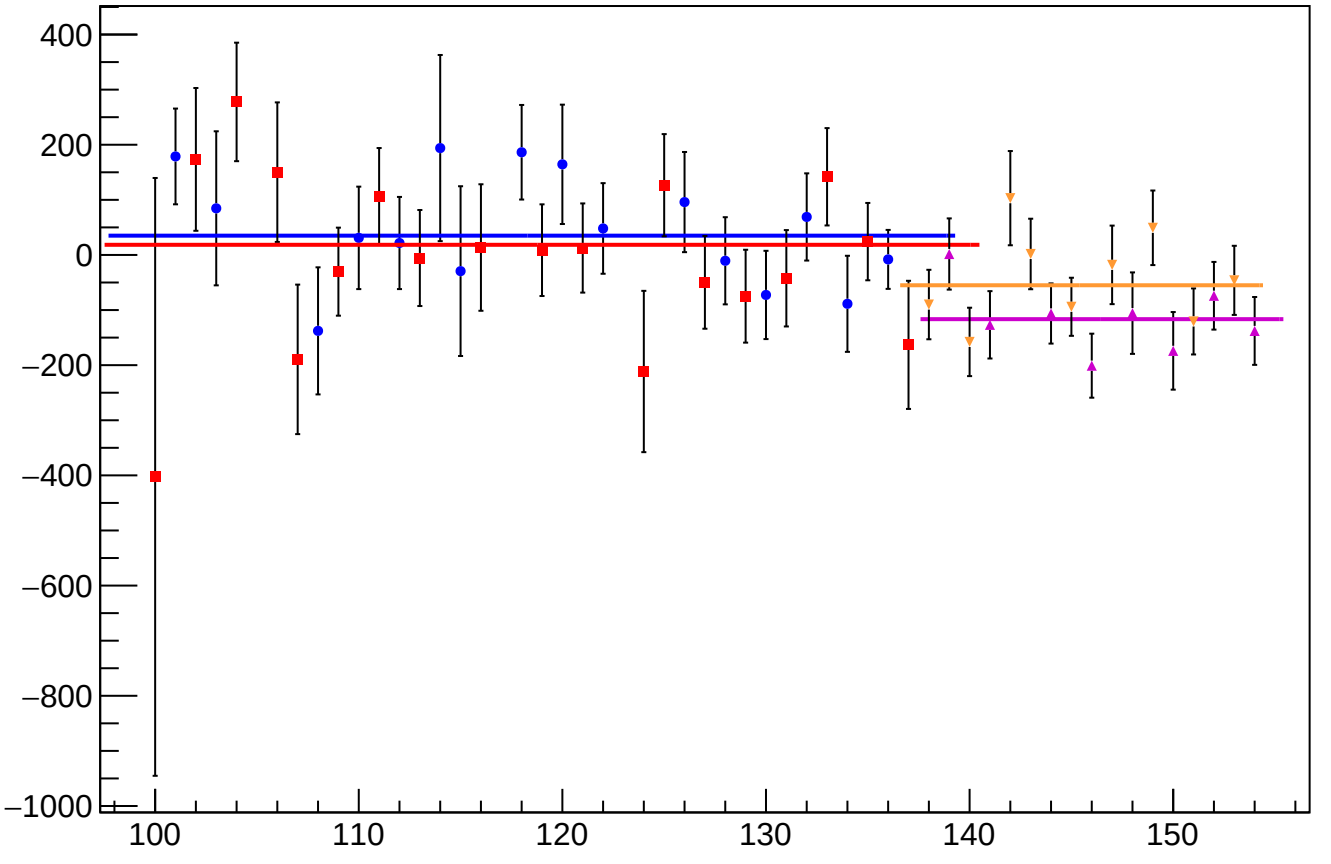
Left: 360.144+/-0.069 χ^2/NDF: 447066.5/16

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 401.665+/-0.078 χ^2/NDF:1599044.8/23

Out: 402.912+/-0.077 χ^2/NDF:1792902.2/27

All: 402.291+/-0.055 χ^2/NDF: 3392076.1/51



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: -116.514+/-22.073 χ^2/NDF:6.8/7

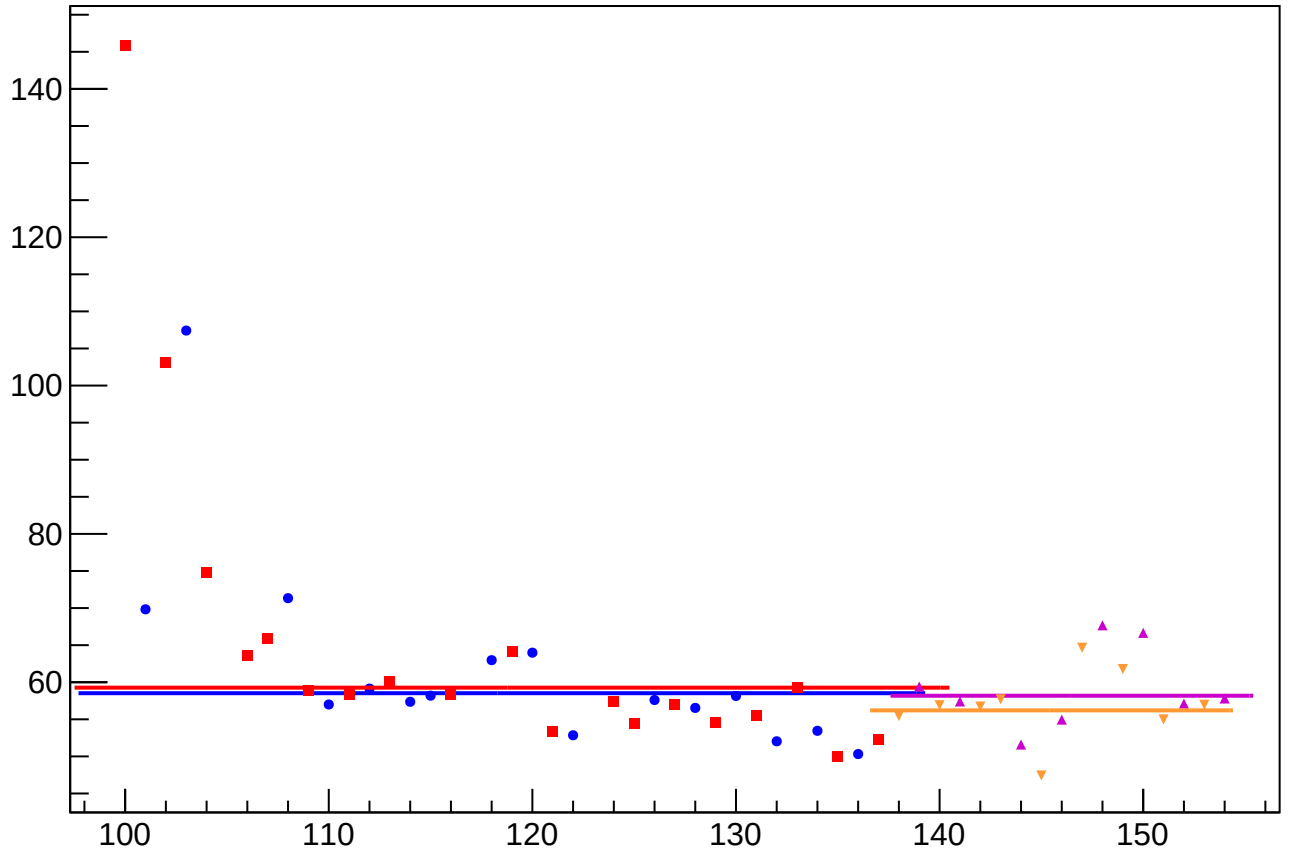
Left: -84.689+/-15.334 χ^2/NDF: 22.5/16

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -40.957+/-15.630 χ^2/NDF:46.5/23

Out: -19.682+/-15.357 χ^2/NDF:40.7/27

All: -30.133+/-10.954 χ^2/NDF: 88.2/51



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: 58.182+/-0.016 χ^2/NDF:98880.3/7

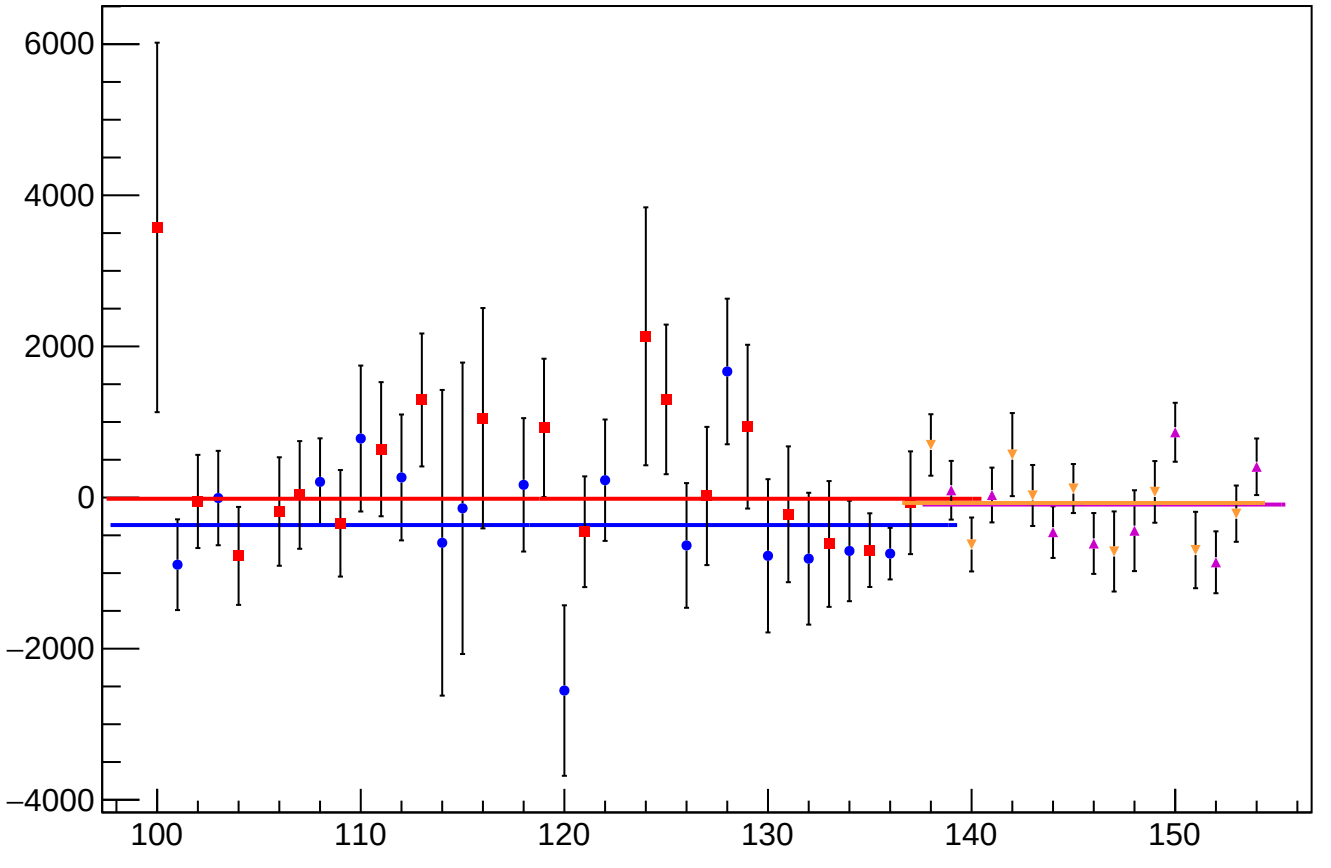
Left: 57.159+/-0.011 χ^2/NDF: 207226.3/16

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.351+/-0.011 χ^2/NDF:491861.4/23

Out: 57.680+/-0.011 χ^2/NDF:525541.3/27

All: 58.010+/-0.008 χ^2/NDF: 1019281.1/51



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: -92.694+/-138.513 χ^2/NDF:14.8/7

Left: -82.026+/-97.287 χ^2/NDF: 25.8/16

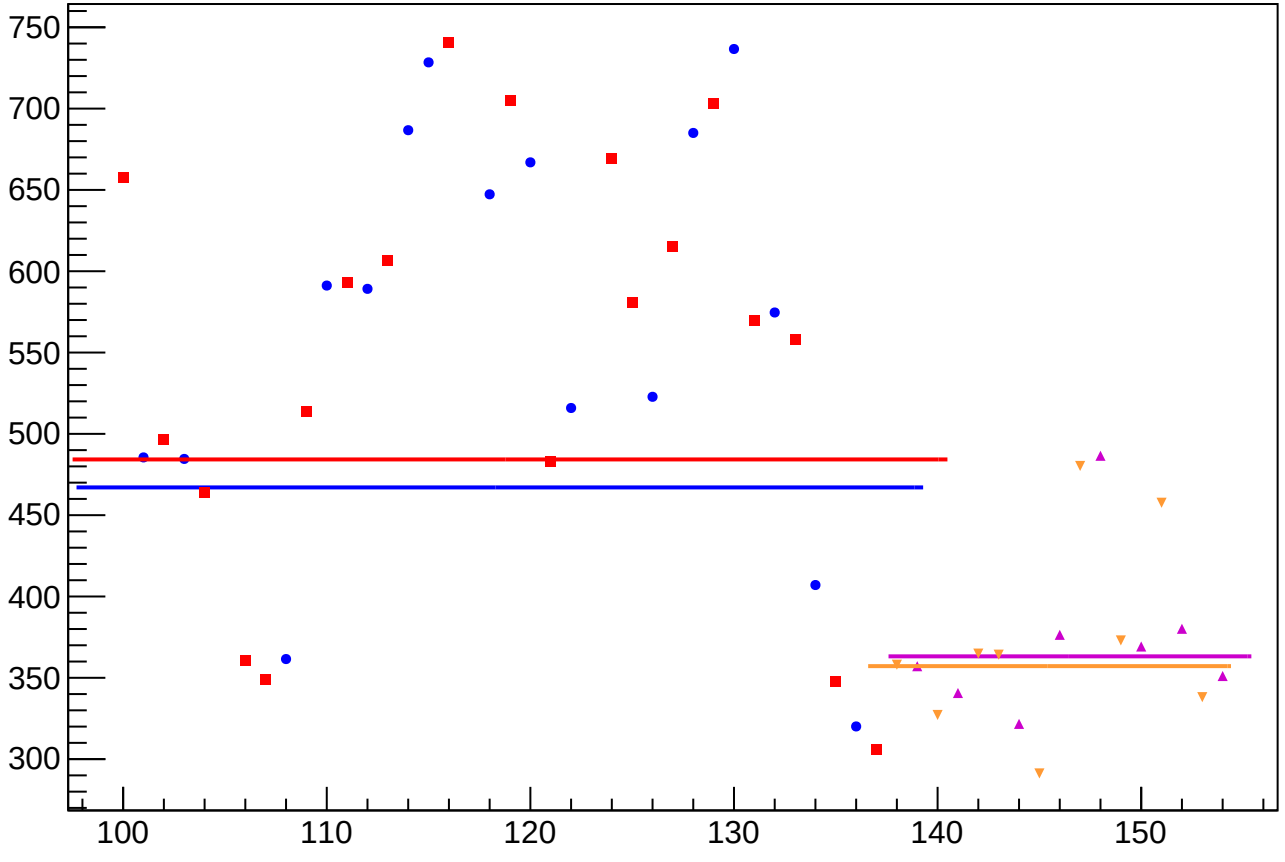
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -193.191+/-109.910 χ^2/NDF:31.5/23

Out: -51.838+/-109.644 χ^2/NDF:26.1/27

All: -122.343+/-77.624 χ^2/NDF: 58.5/51

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: 363.194+/-0.098 χ^2/NDF:152185.7/7

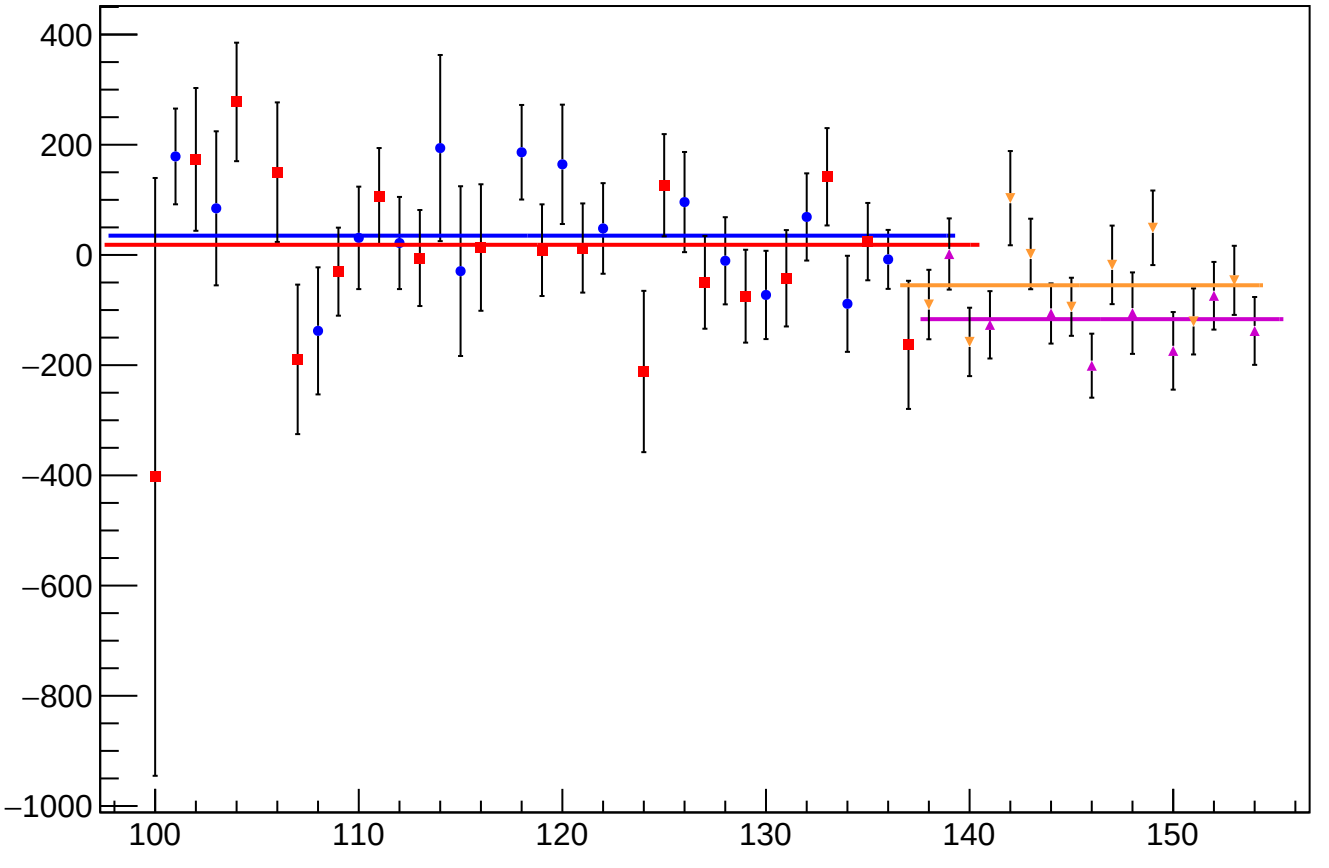
Left: 360.144+/-0.069 χ^2/NDF: 447067.6/16

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 401.666+/-0.078 χ^2/NDF:1599062.8/23

Out: 402.478+/-0.078 χ^2/NDF:1798237.2/27

All: 402.073+/-0.055 χ^2/NDF: 3397354.7/51



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: -116.514+/-22.073 χ^2/NDF:6.8/7

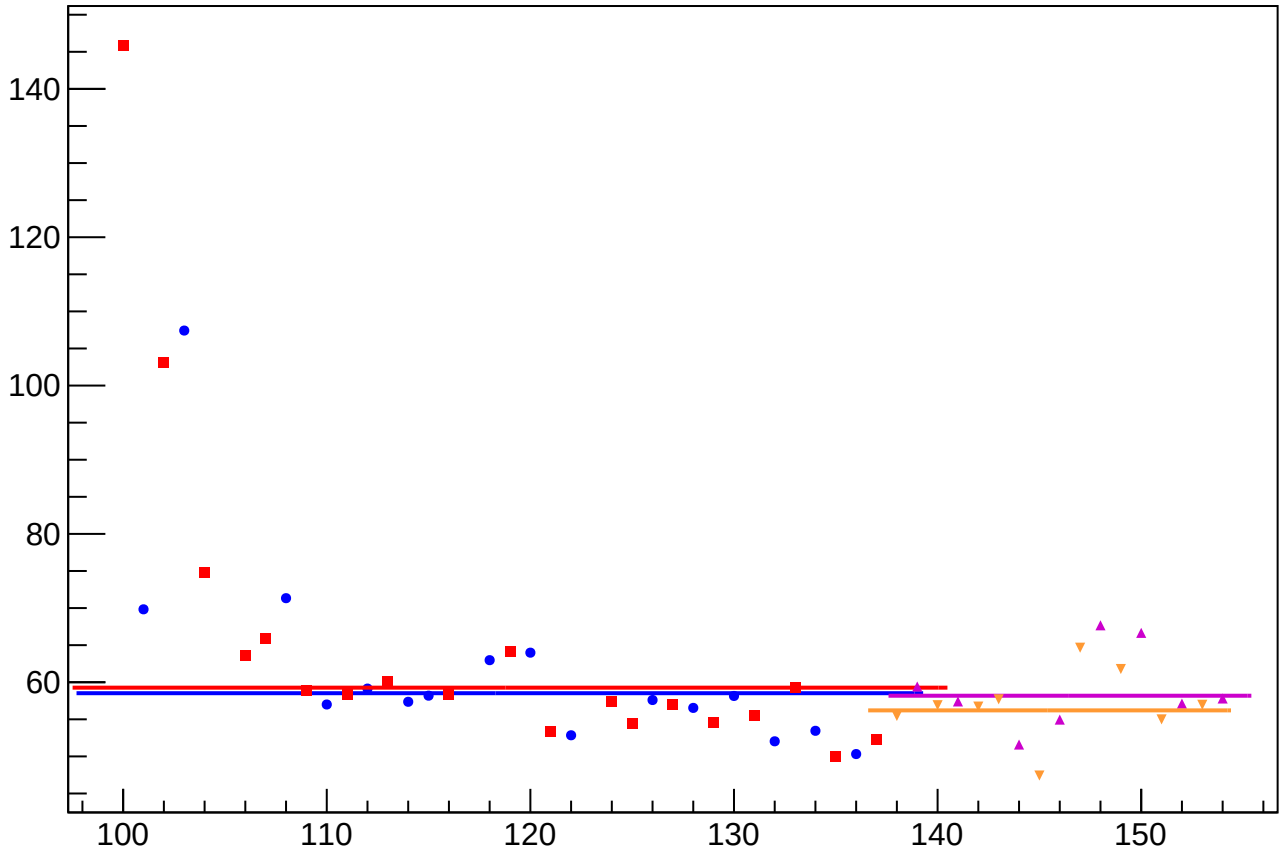
Left: -84.689+/-15.334 χ^2/NDF: 22.5/16

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -40.957+/-15.630 χ^2/NDF:46.5/23

Out: -19.682+/-15.357 χ^2/NDF:40.7/27

All: -30.133+/-10.954 χ^2/NDF: 88.2/51



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: 58.182+/-0.016 χ^2/NDF:98880.3/7

Left: 57.159+/-0.011 χ^2/NDF: 207226.3/16

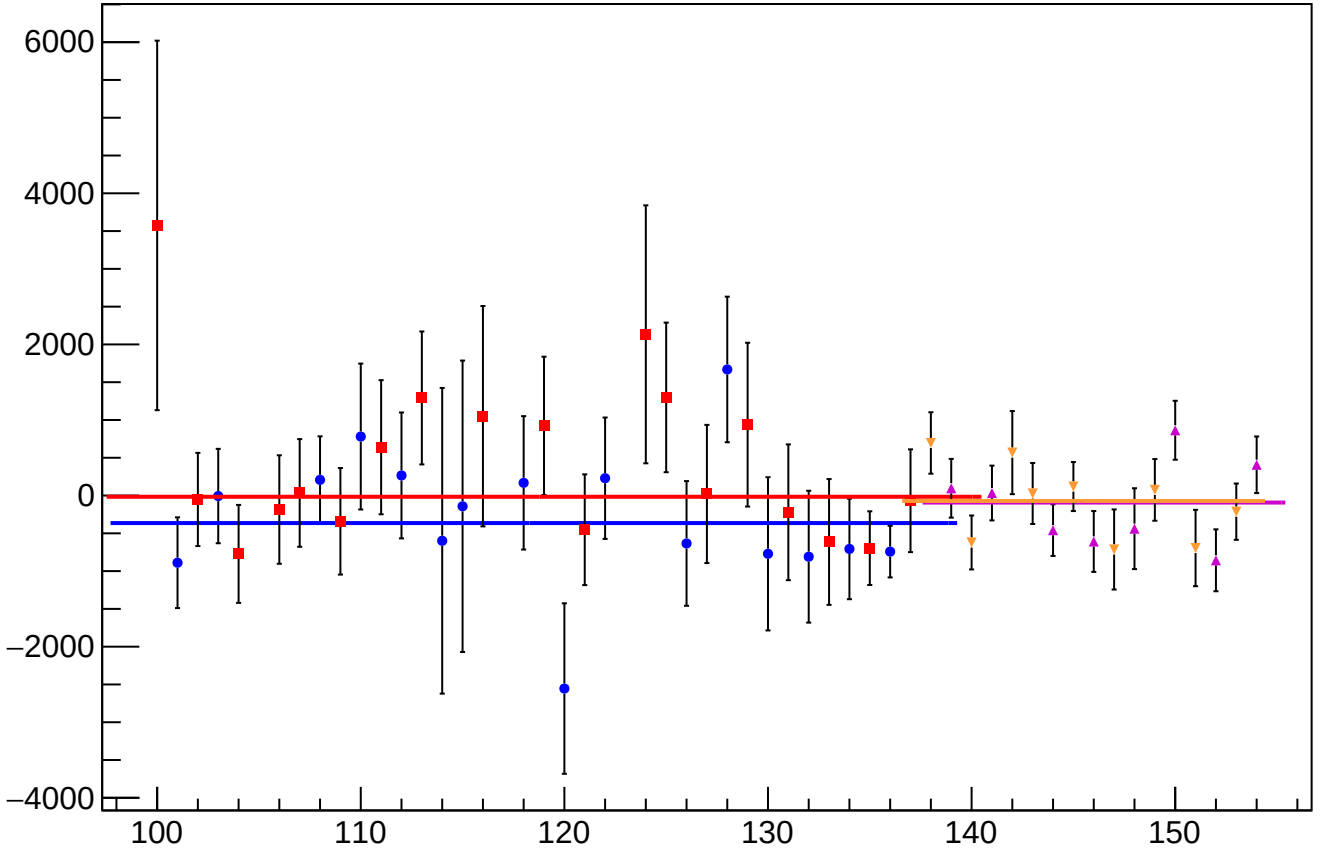
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.351+/-0.011 χ^2/NDF:491861.4/23

Out: 57.680+/-0.011 χ^2/NDF:525541.3/27

All: 58.010+/-0.008 χ^2/NDF: 1019281.1/51

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: -92.694+/-138.513 χ^2/NDF:14.8/7

Left: -82.026+/-97.287 χ^2/NDF: 25.8/16

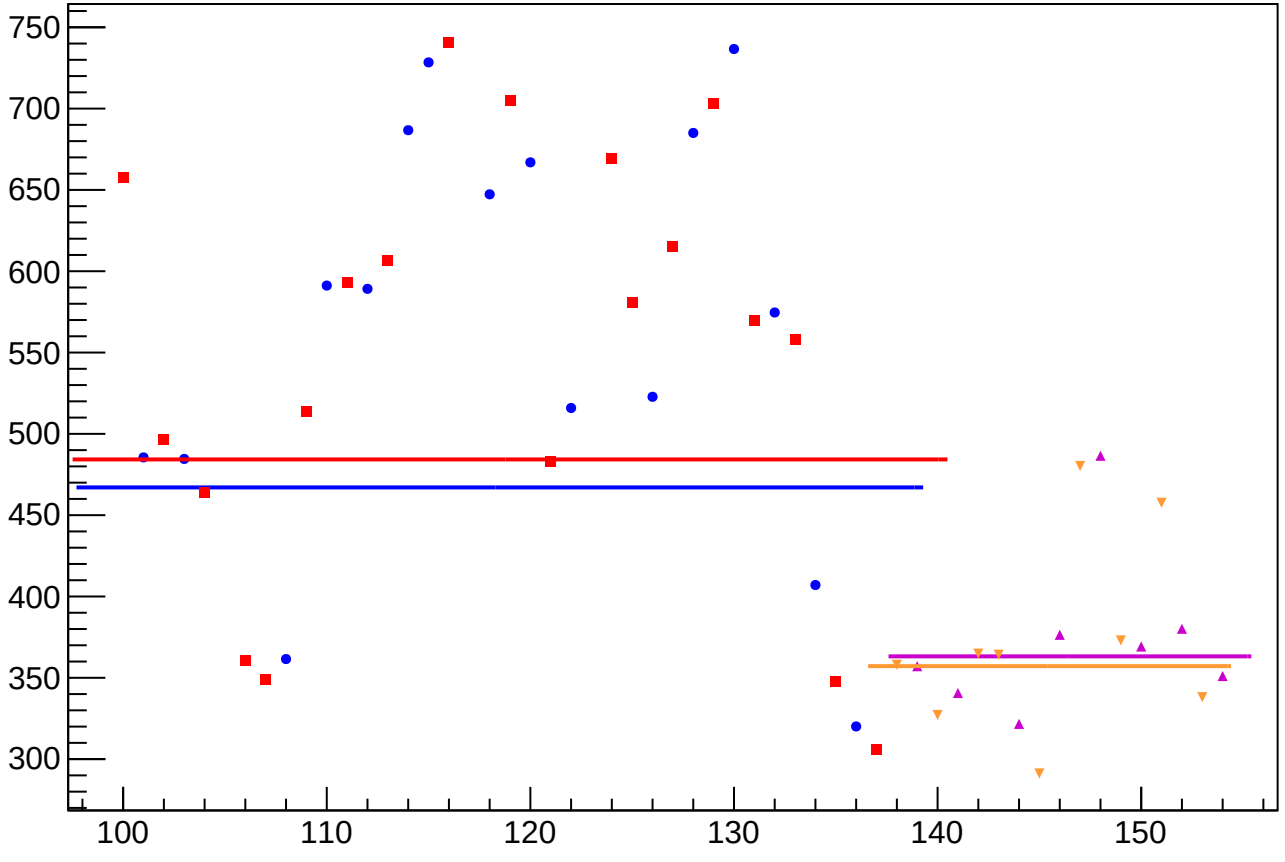
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -193.191+/-109.910 χ^2/NDF:31.5/23

Out: -51.838+/-109.644 χ^2/NDF:26.1/27

All: -122.343+/-77.624 χ^2/NDF: 58.5/51

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: 363.194+/-0.098 χ^2/NDF:152185.7/7

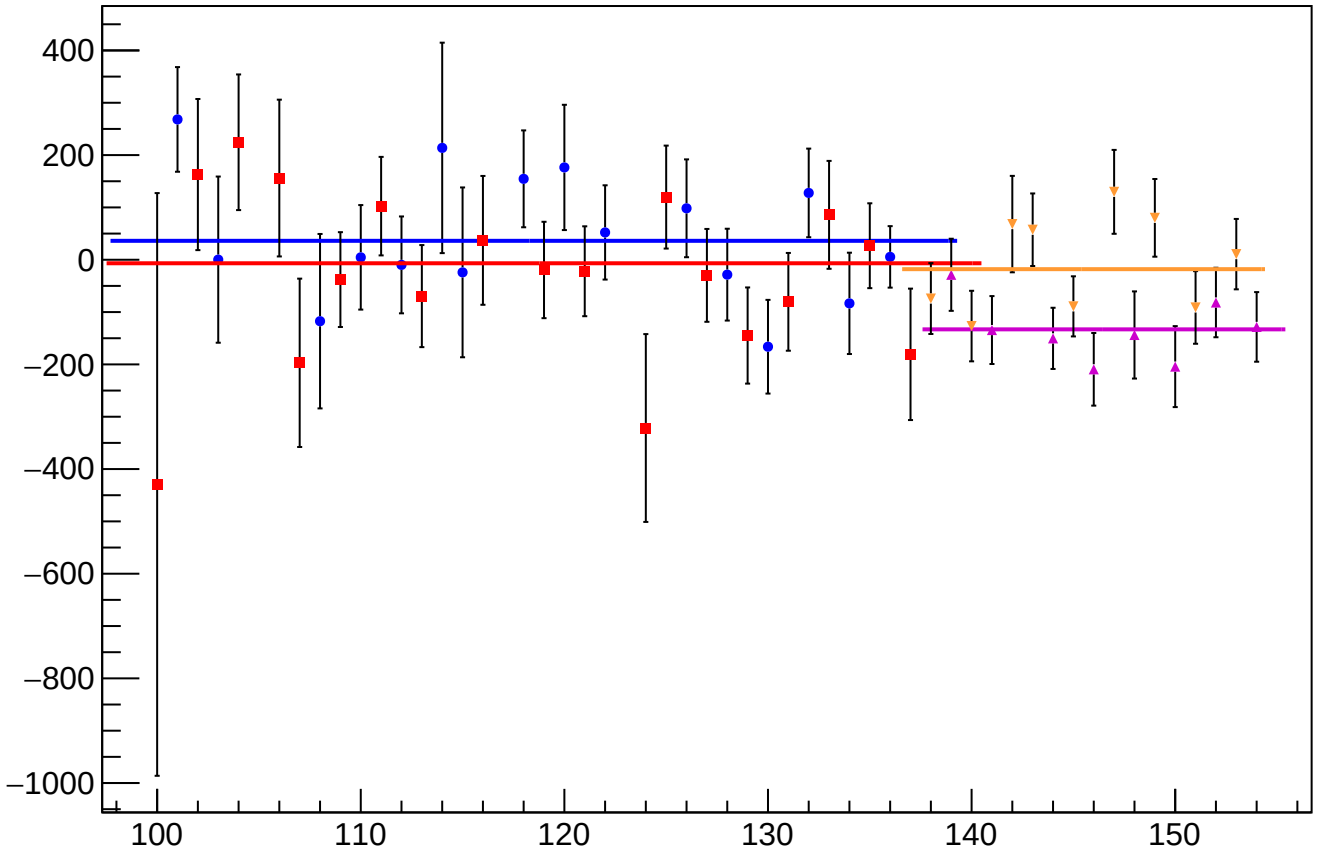
Left: 360.144+/-0.069 χ^2/NDF: 447067.6/16

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 401.666+/-0.078 χ^2/NDF:1599062.8/23

Out: 402.478+/-0.078 χ^2/NDF:1798237.2/27

All: 402.073+/-0.055 χ^2/NDF: 3397354.7/51



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: -133.027+/-24.168 χ^2/NDF:5.1/7

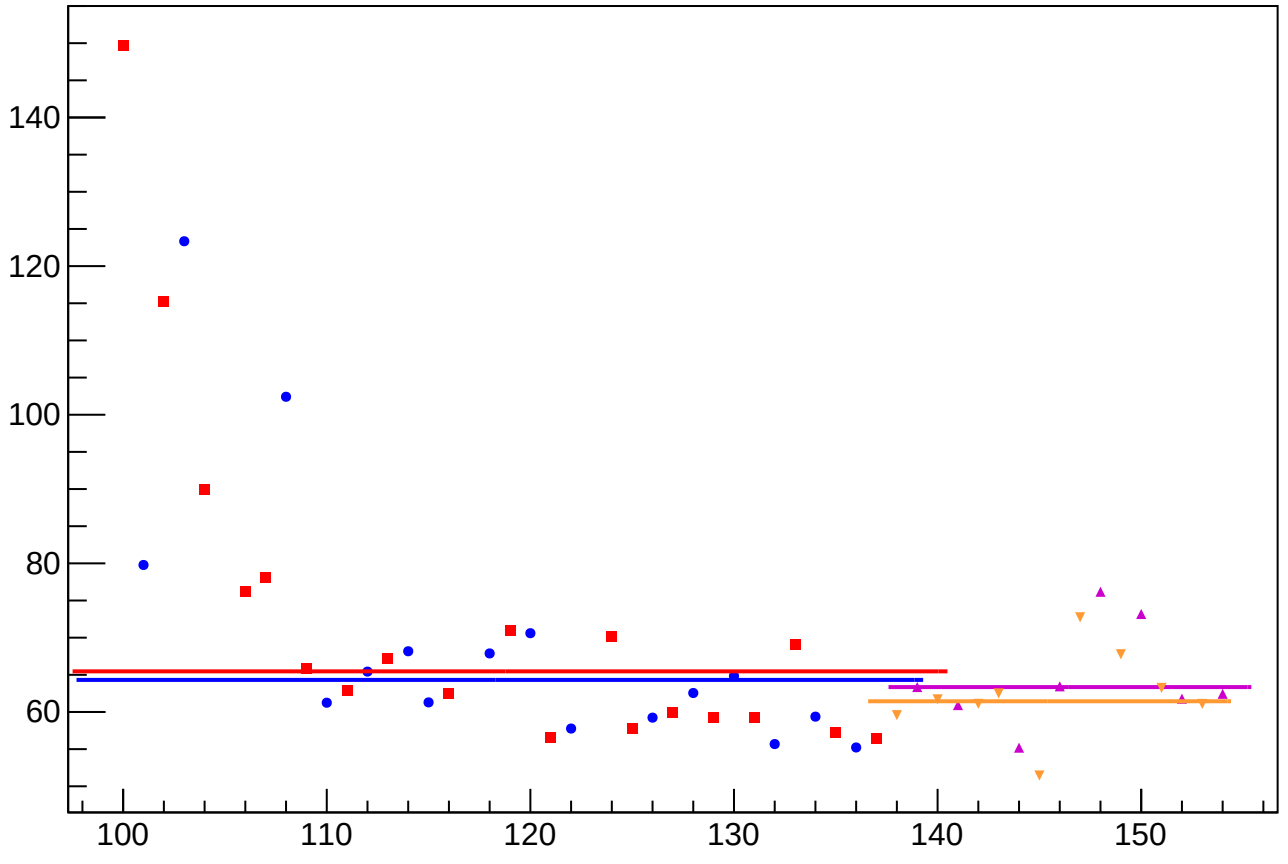
Left: -73.547+/-16.795 χ^2/NDF: 30.1/16

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -49.491+/-17.195 χ^2/NDF:48.9/23

Out: -12.645+/-16.927 χ^2/NDF:33.8/27

All: -30.778+/-12.063 χ^2/NDF: 85.0/51



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: 63.350+/-0.017 χ^2/NDF:122909.7/7

Left: 62.364+/-0.012 χ^2/NDF: 247544.4/16

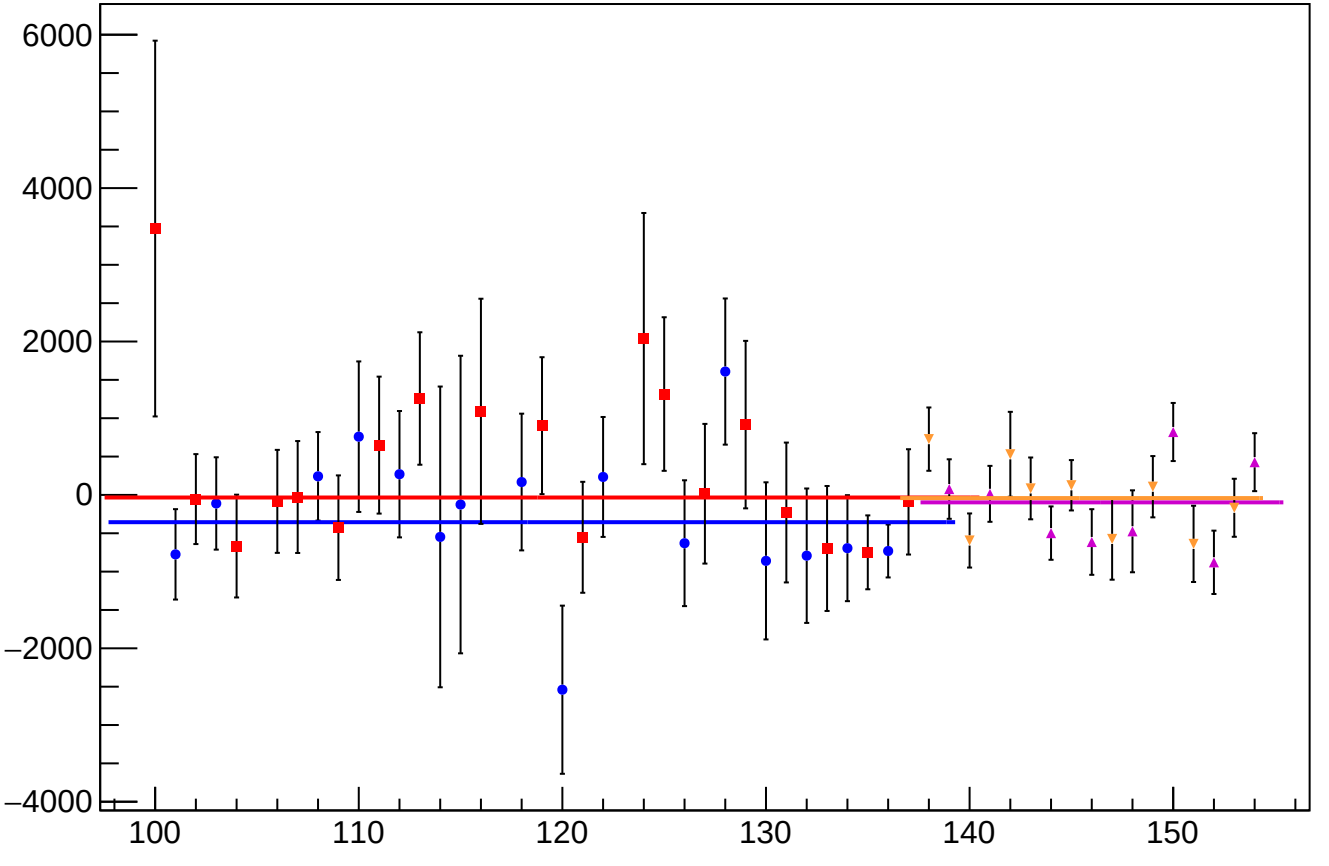
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.827+/-0.012 χ^2/NDF:656552.1/23

Out: 63.353+/-0.012 χ^2/NDF:628728.9/27

All: 63.586+/-0.009 χ^2/NDF: 1286053.6/51

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



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: -96.998+/-139.707 χ^2/NDF:14.9/7

Left: -68.520+/-97.734 χ^2/NDF: 25.1/16

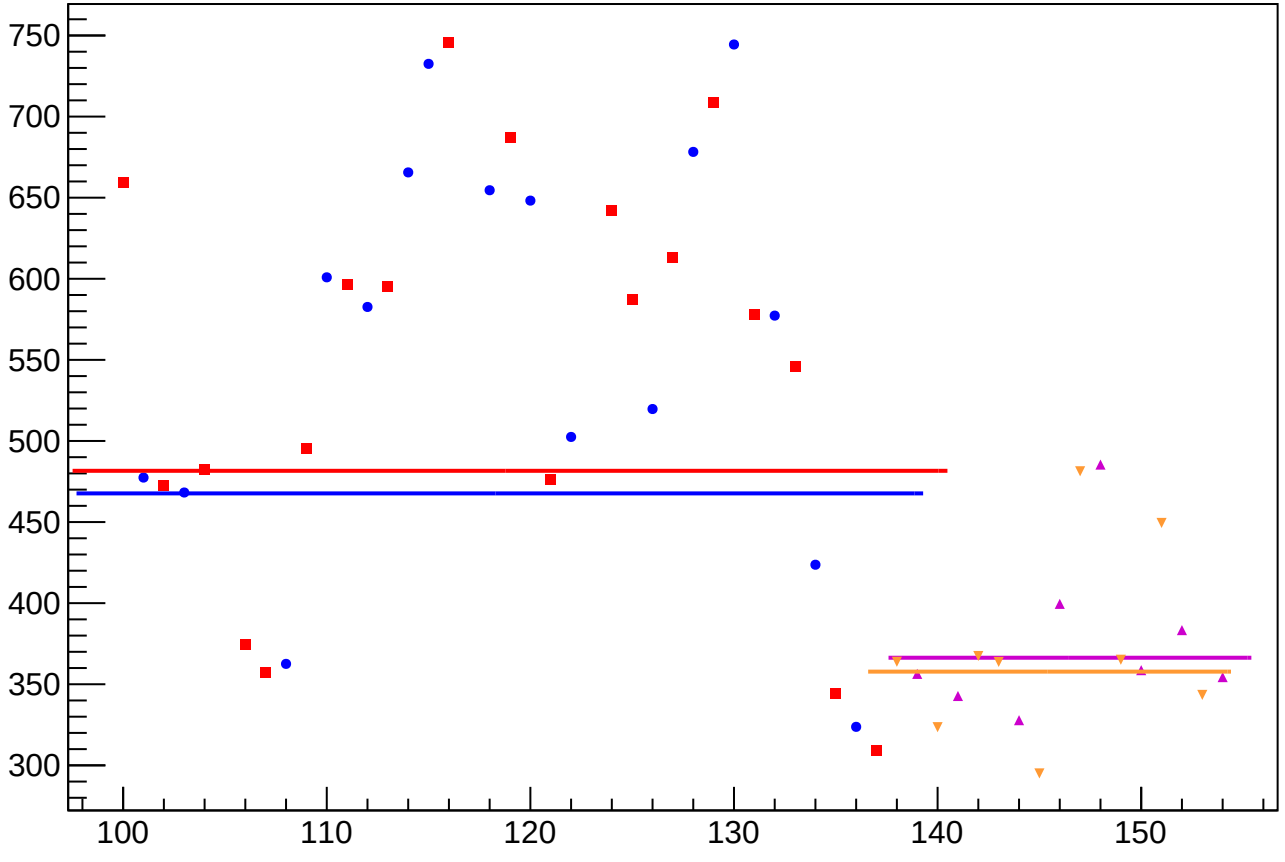
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -193.965+/-110.442 χ^2/NDF:31.0/23

Out: -38.532+/-109.244 χ^2/NDF:25.4/27

All: -115.401+/-77.667 χ^2/NDF: 57.5/51

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 357.786+/-0.097 χ^2/NDF:273090.5/8

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 366.349+/-0.099 χ^2/NDF:151880.8/7

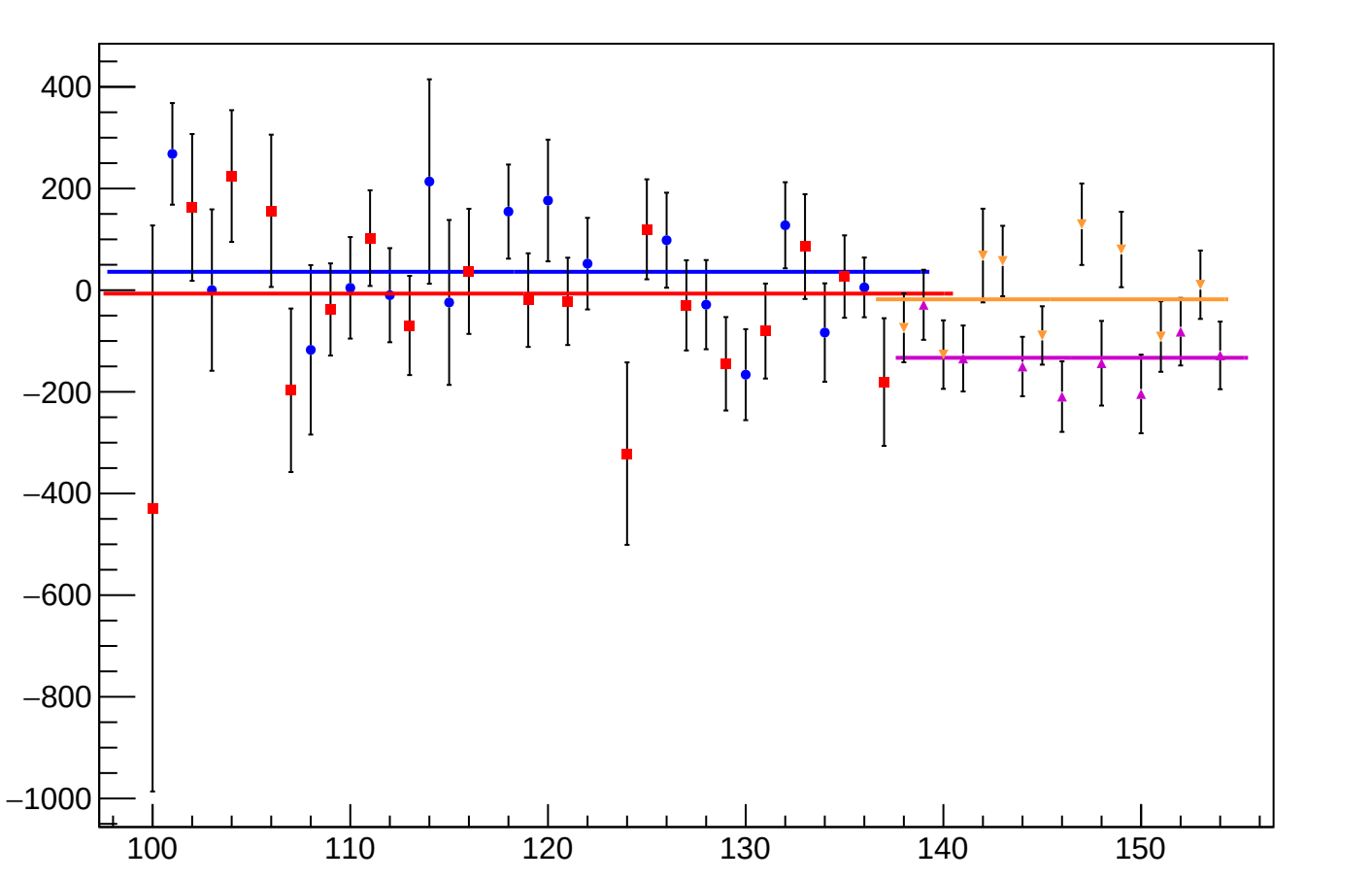
Left: 361.976+/-0.069 χ^2/NDF: 428807.5/16

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 404.353+/-0.078 χ^2/NDF:1532411.6/23

Out: 402.611+/-0.077 χ^2/NDF:1720729.3/27

All: 403.473+/-0.055 χ^2/NDF: 3253392.3/51



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: -133.027+/-24.168 χ^2/NDF:5.1/7

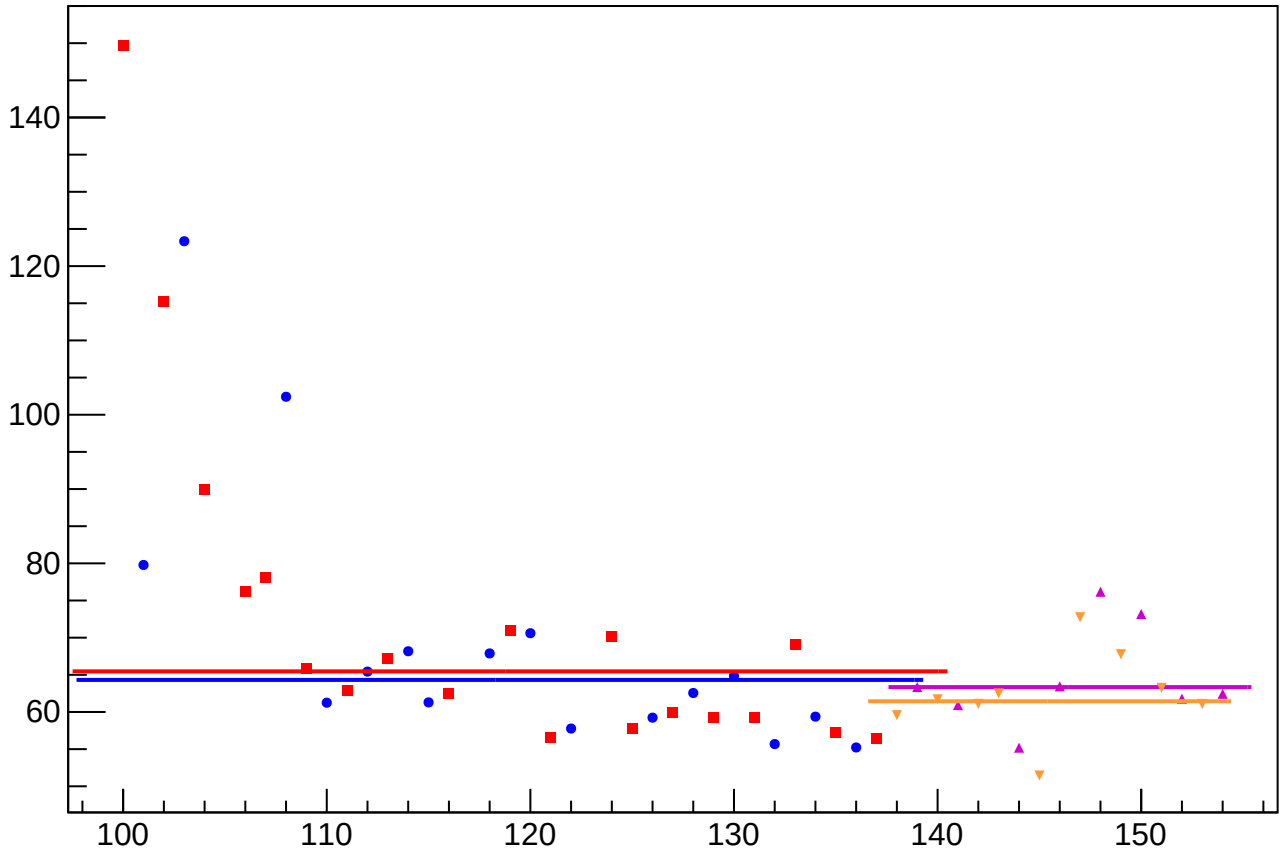
Left: -73.547+/-16.795 χ^2/NDF: 30.1/16

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -49.491+/-17.195 χ^2/NDF:48.9/23

Out: -12.645+/-16.927 χ^2/NDF:33.8/27

All: -30.778+/-12.063 χ^2/NDF: 85.0/51



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: 63.351+/-0.017 χ^2/NDF:122911.7/7

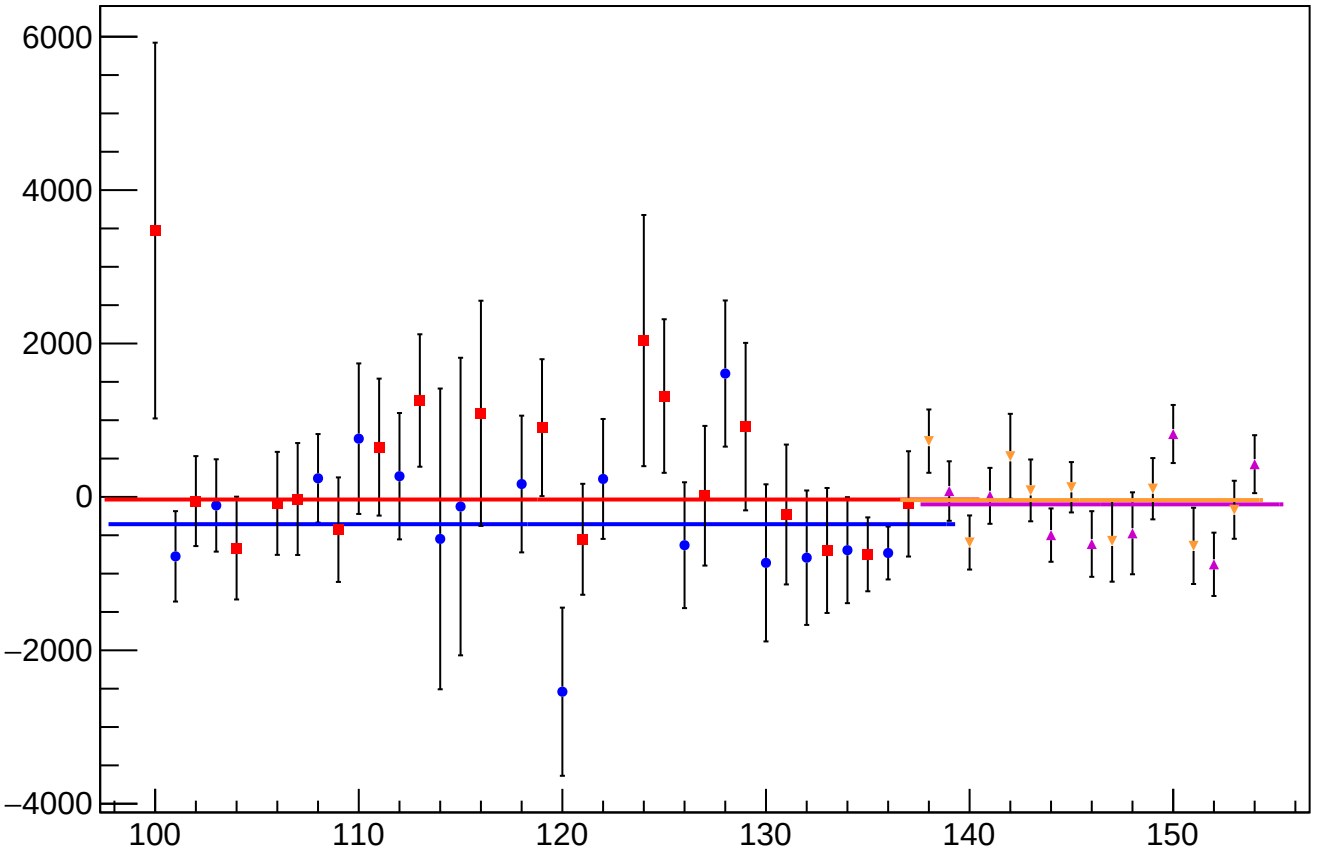
Left: 62.364+/-0.012 χ^2/NDF: 247549.3/16

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.827+/-0.012 χ^2/NDF:656561.8/23

Out: 63.353+/-0.012 χ^2/NDF:628735.0/27

All: 63.586+/-0.009 χ^2/NDF: 1286069.4/51



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: -96.998+/-139.707 χ^2/NDF:14.9/7

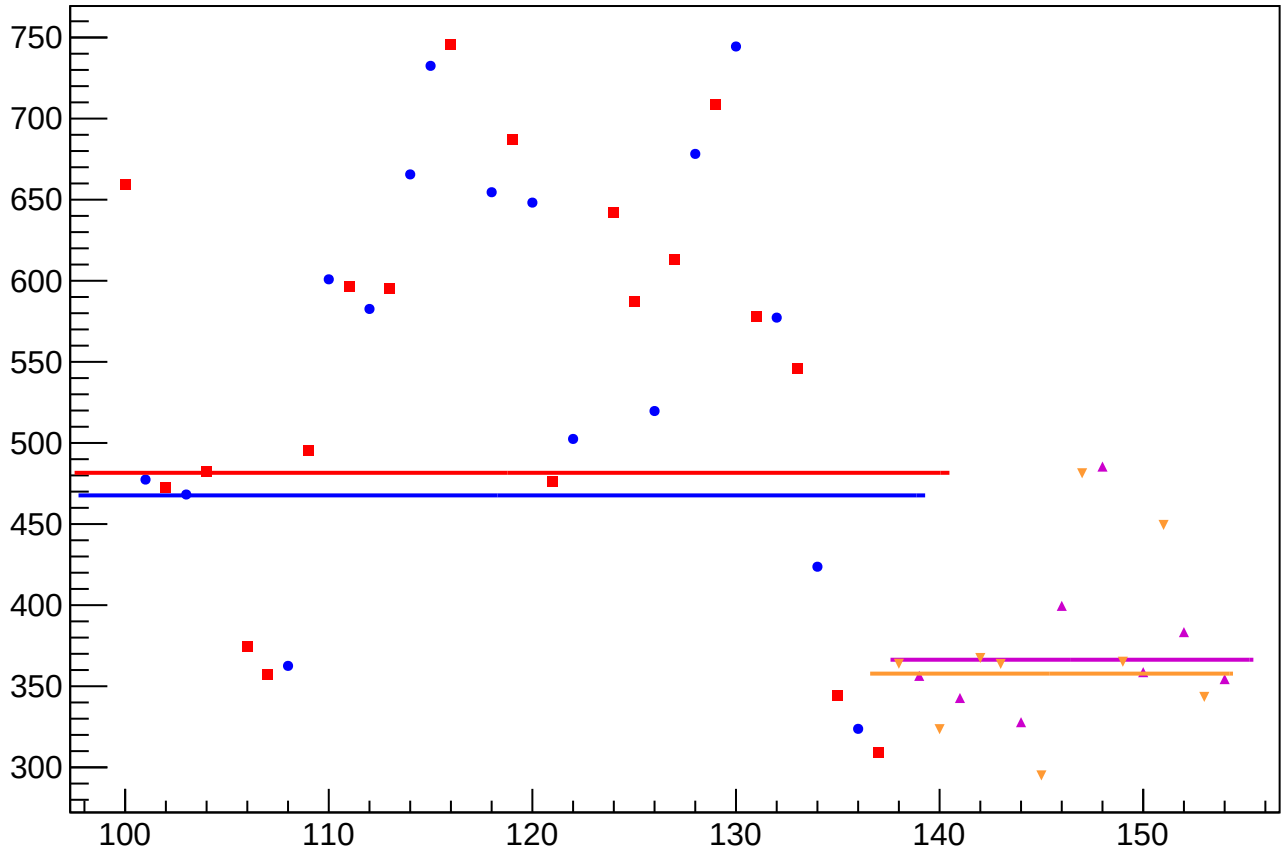
Left: -68.519+/-97.734 χ^2/NDF: 25.1/16

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -193.965+/-110.442 χ^2/NDF:31.0/23

Out: -38.532+/-109.244 χ^2/NDF:25.4/27

All: -115.401+/-77.667 χ^2/NDF: 57.5/51



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: 366.349+/-0.099 χ^2/NDF:151880.3/7

Left: 361.977+/-0.069 χ^2/NDF: 428806.5/16

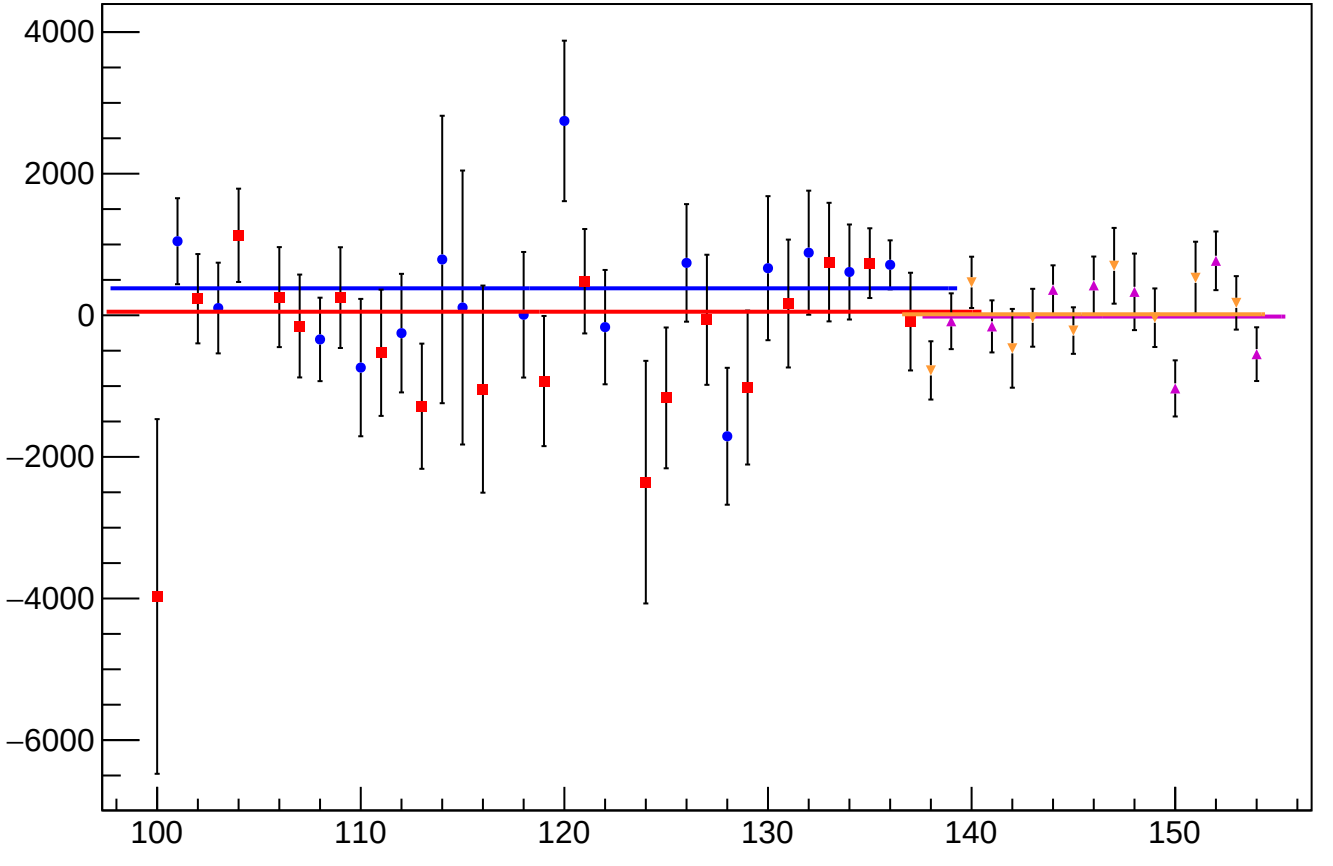
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 404.353+/-0.078 χ^2/NDF:1532406.2/23

Out: 402.611+/-0.077 χ^2/NDF:1720720.3/27

All: 403.473+/-0.055 χ^2/NDF: 3253378.0/51

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: -18.001+/-140.335 χ^2/NDF:15.1/7

Left: -1.637+/-98.550 χ^2/NDF: 24.5/16

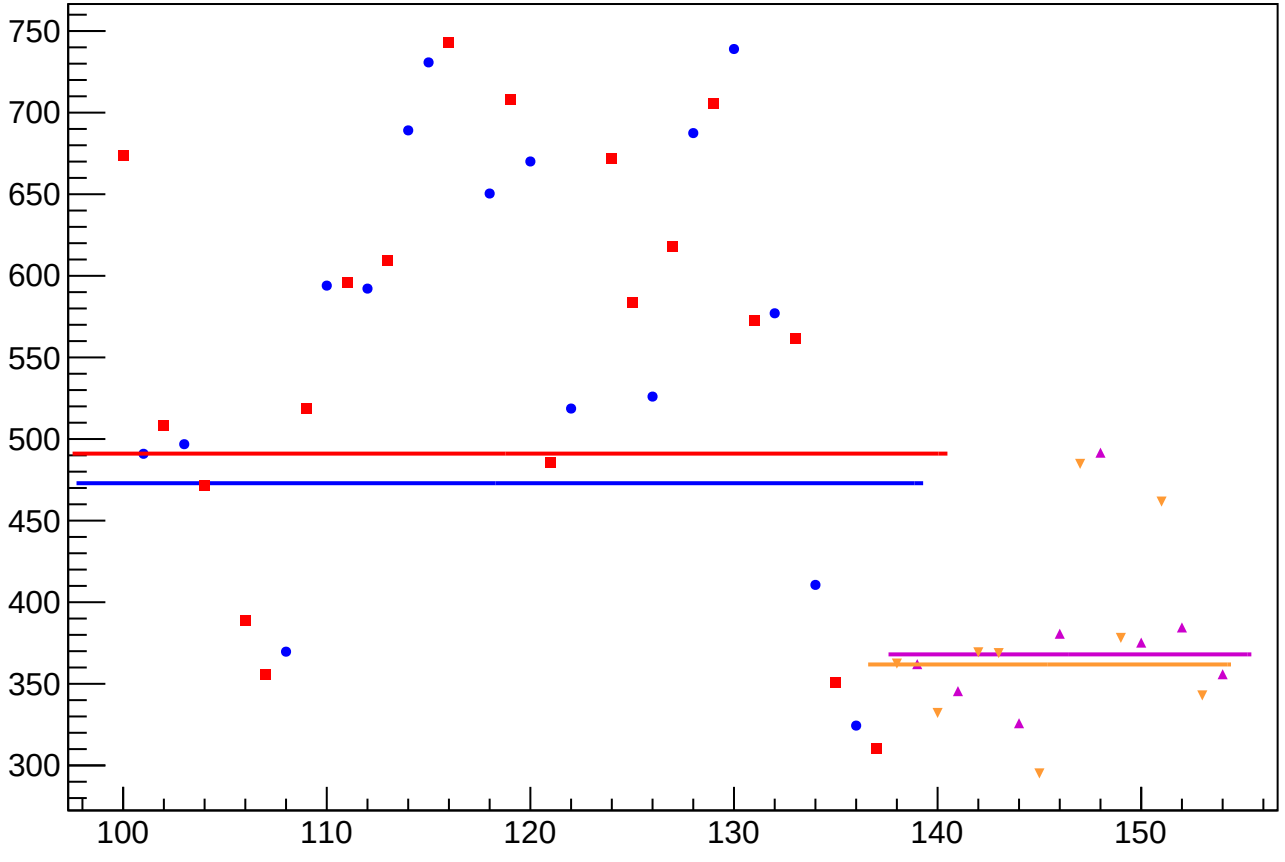
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 130.134+/-111.282 χ^2/NDF:34.2/23

Out: 27.221+/-110.890 χ^2/NDF:26.9/27

All: 78.496+/-78.550 χ^2/NDF: 61.5/51

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: 368.043+/-0.099 χ^2/NDF:150076.6/7

Left: 364.912+/-0.070 χ^2/NDF: 439305.0/16

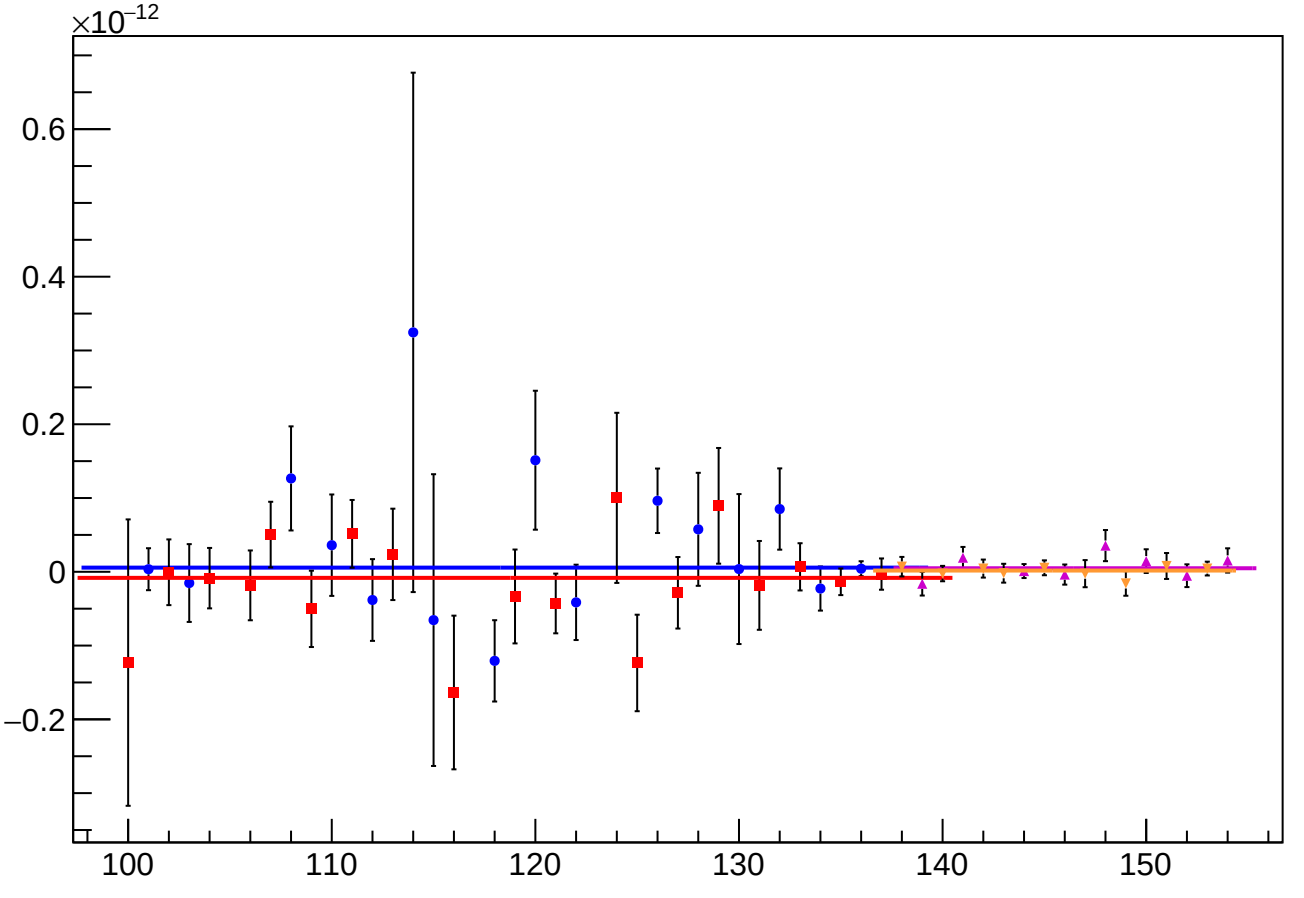
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 406.973+/-0.079 χ^2/NDF:1565008.3/23

Out: 408.154+/-0.078 χ^2/NDF:1758944.1/27

All: 407.565+/-0.056 χ^2/NDF: 3324065.3/51

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/7

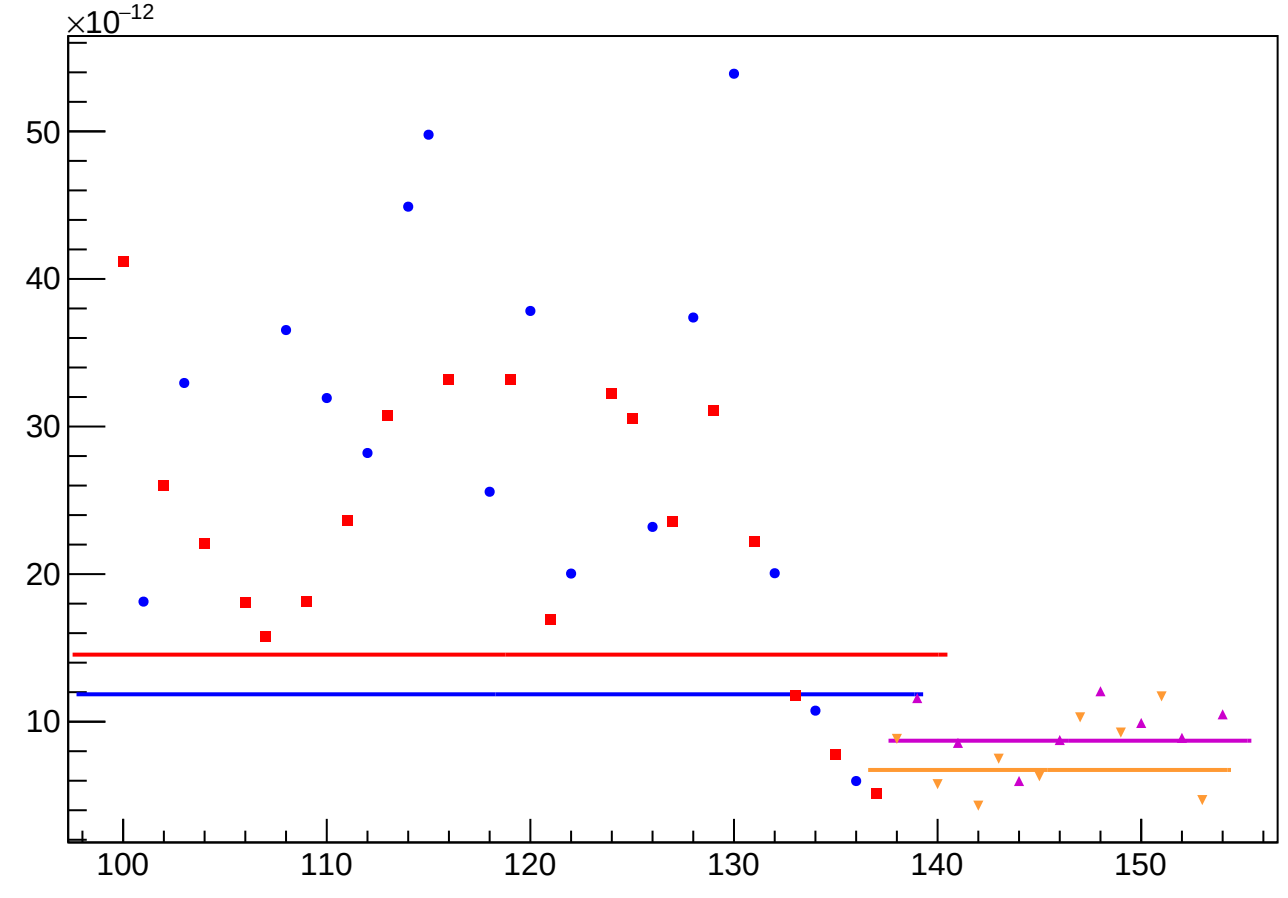
Left: 0.000+/-0.000 χ^2/NDF: 8.7/16

Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:27.7/23

Out: 0.000+/-0.000 χ^2/NDF:16.9/27

All: 0.000+/-0.000 χ^2/NDF: 45.3/51



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:317312.6/7

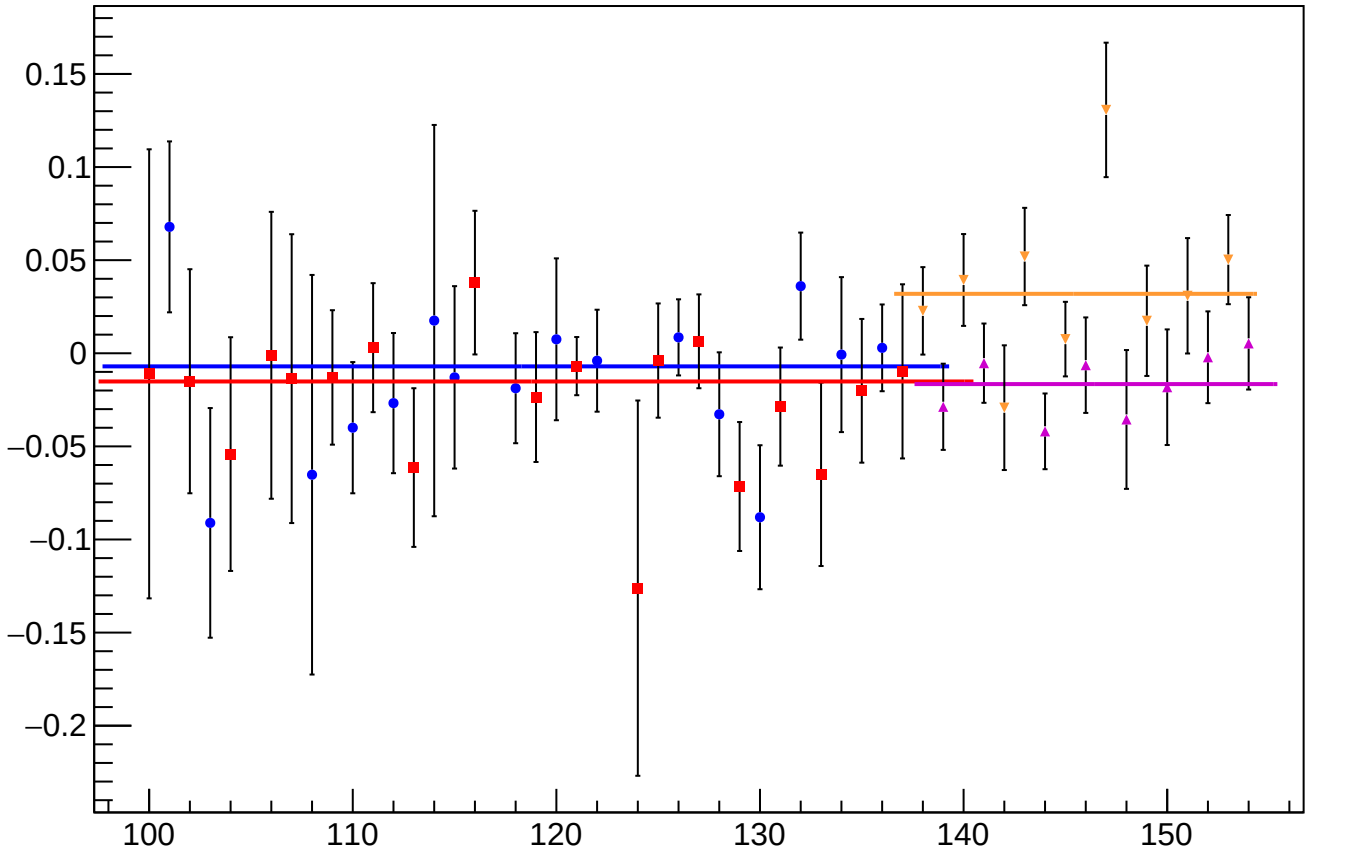
Left: 0.000+/-0.000 χ^2/NDF: 1035541.0/16

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:3382620.3/23

Out: 0.000+/-0.000 χ^2/NDF:3485077.8/27

All: 0.000+/-0.000 χ^2/NDF: 7019688.9/51



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: -0.017+/-0.009 χ^2/NDF:3.7/7

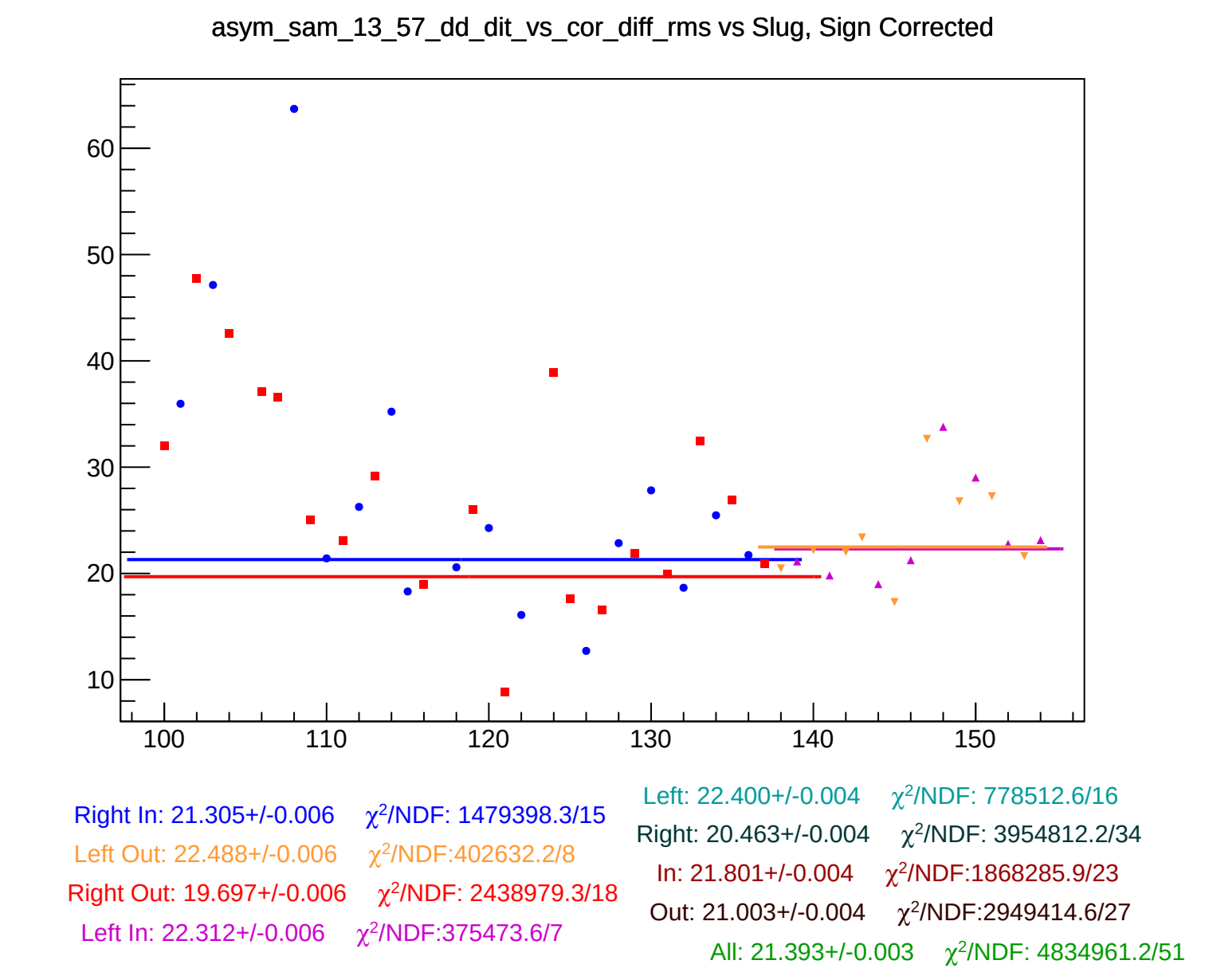
Left: 0.008+/-0.006 χ^2/NDF: 32.9/16

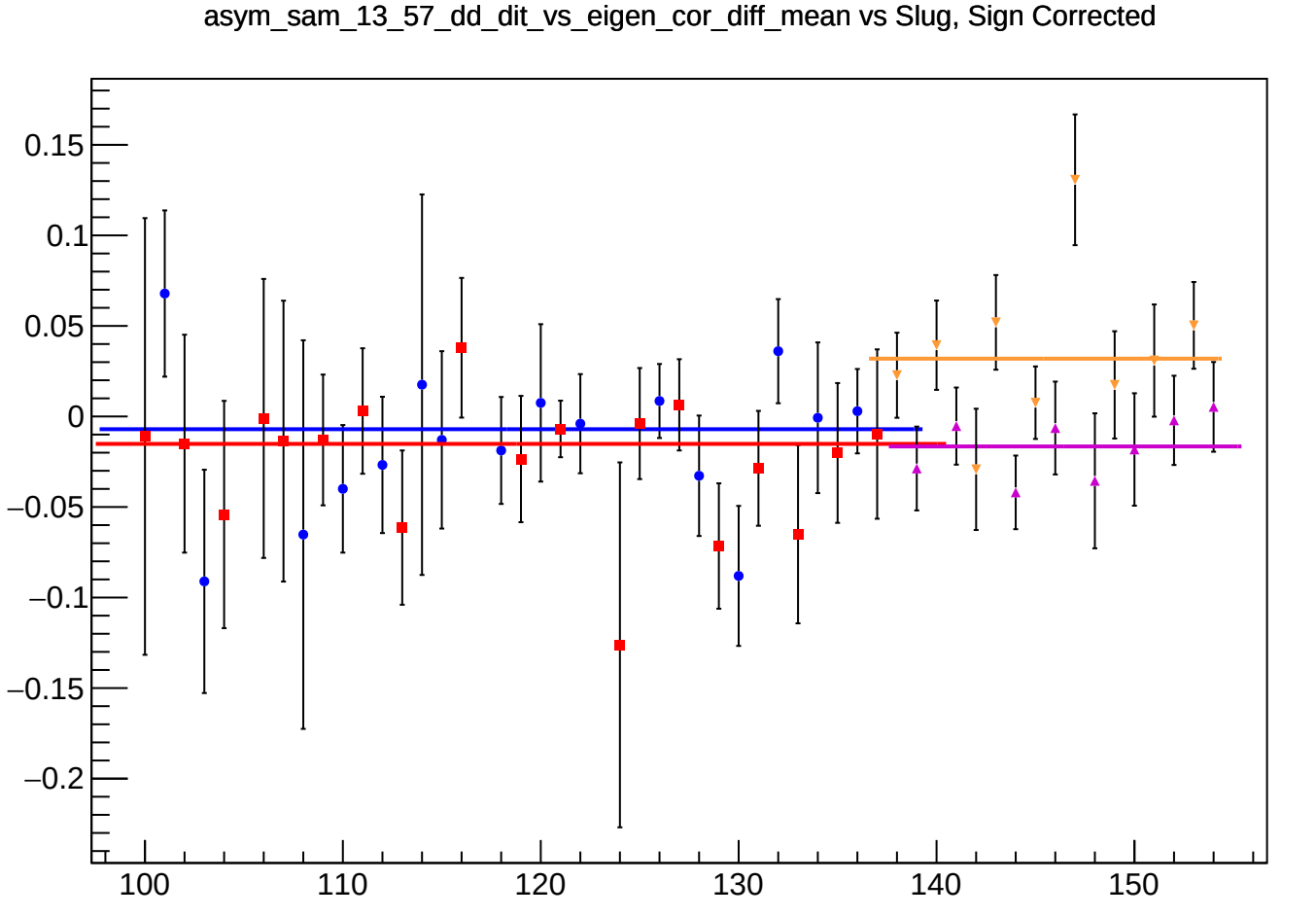
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.012+/-0.006 χ^2/NDF:18.6/23

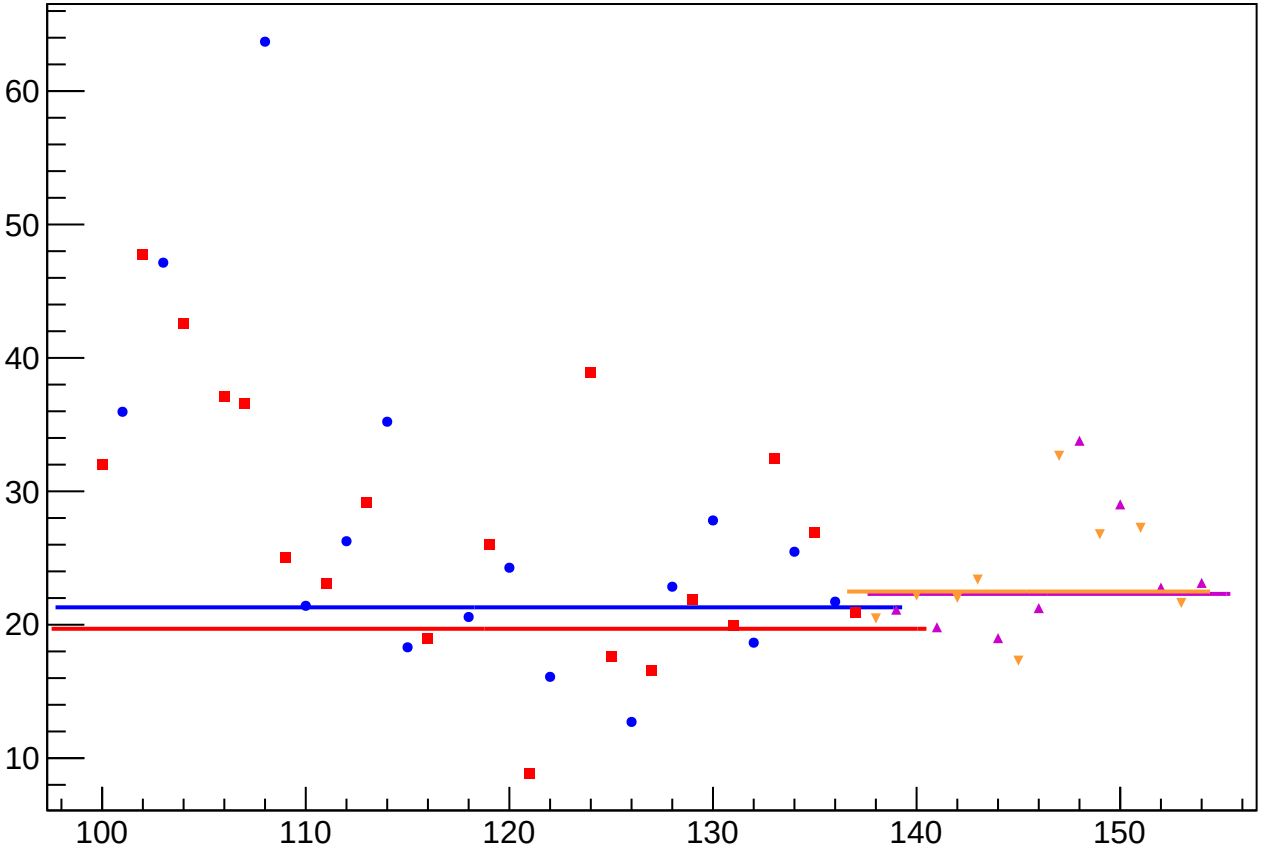
Out: 0.007+/-0.006 χ^2/NDF:39.4/27

All: -0.002+/-0.004 χ^2/NDF: 62.6/51


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: 22.312+/-0.006 χ²/NDF:375473.6/7
Left: 22.400+/-0.004 χ²/NDF: 778512.6/16
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 21.801+/-0.004 χ²/NDF:1868285.9/23
Out: 21.003+/-0.004 χ²/NDF:2949414.6/27
All: 21.393+/-0.003 χ²/NDF: 4834961.2/51


asym_sam_13_57_dd_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: -0.017+/-0.009 χ²/NDF:3.7/7
Left: 0.008+/-0.006 χ²/NDF: 32.9/16
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.012+/-0.006 χ²/NDF:18.6/23
Out: 0.007+/-0.006 χ²/NDF:39.4/27
All: -0.002+/-0.004 χ²/NDF: 62.6/51

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.488+/-0.006 χ^2/NDF:402632.2/8

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.312+/-0.006 χ^2/NDF:375473.6/7

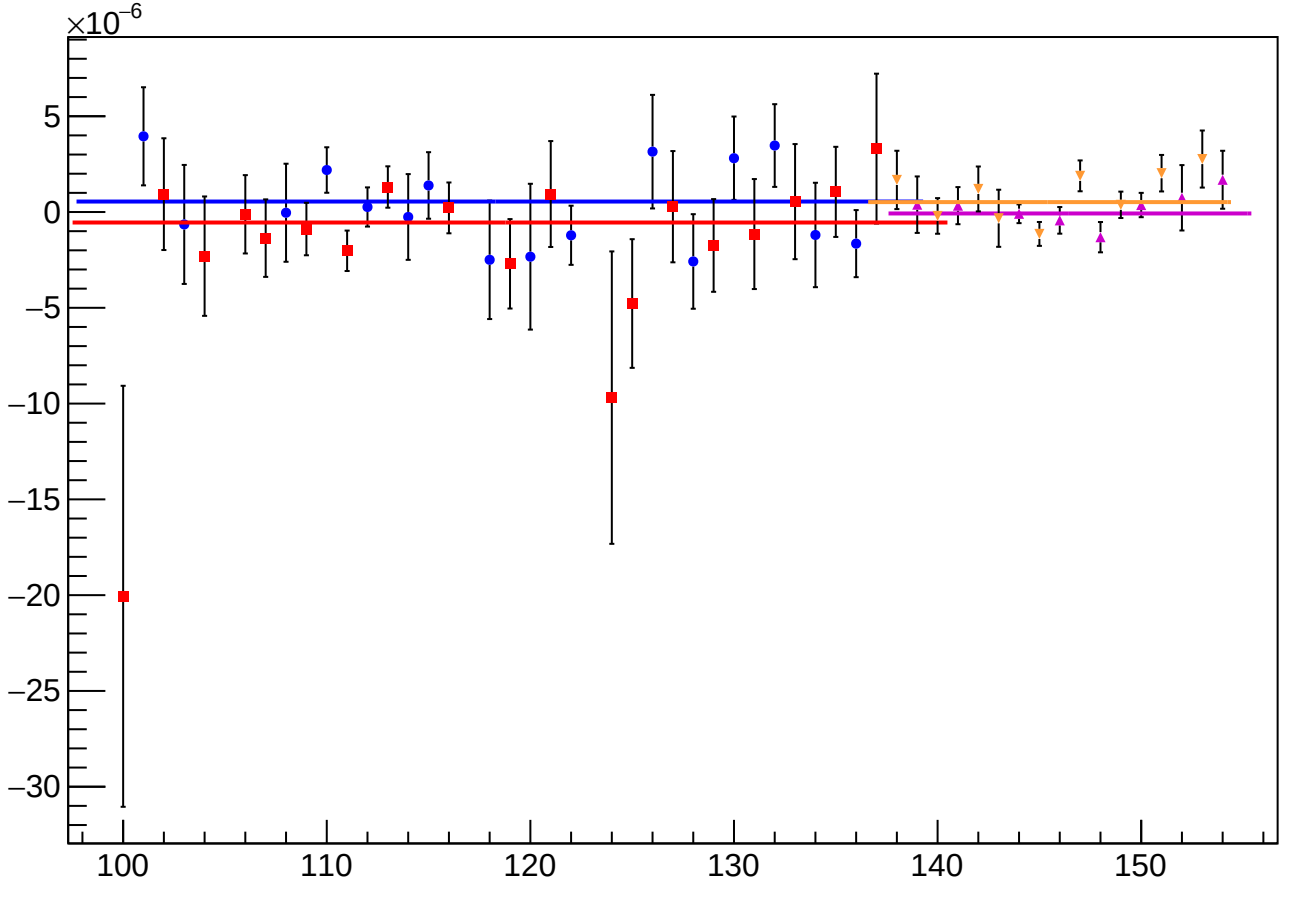
Left: 22.400+/-0.004 χ^2/NDF: 778512.6/16

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.801+/-0.004 χ^2/NDF:1868285.9/23

Out: 21.003+/-0.004 χ^2/NDF:2949414.6/27

All: 21.393+/-0.003 χ^2/NDF: 4834961.2/51



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:5.1/7

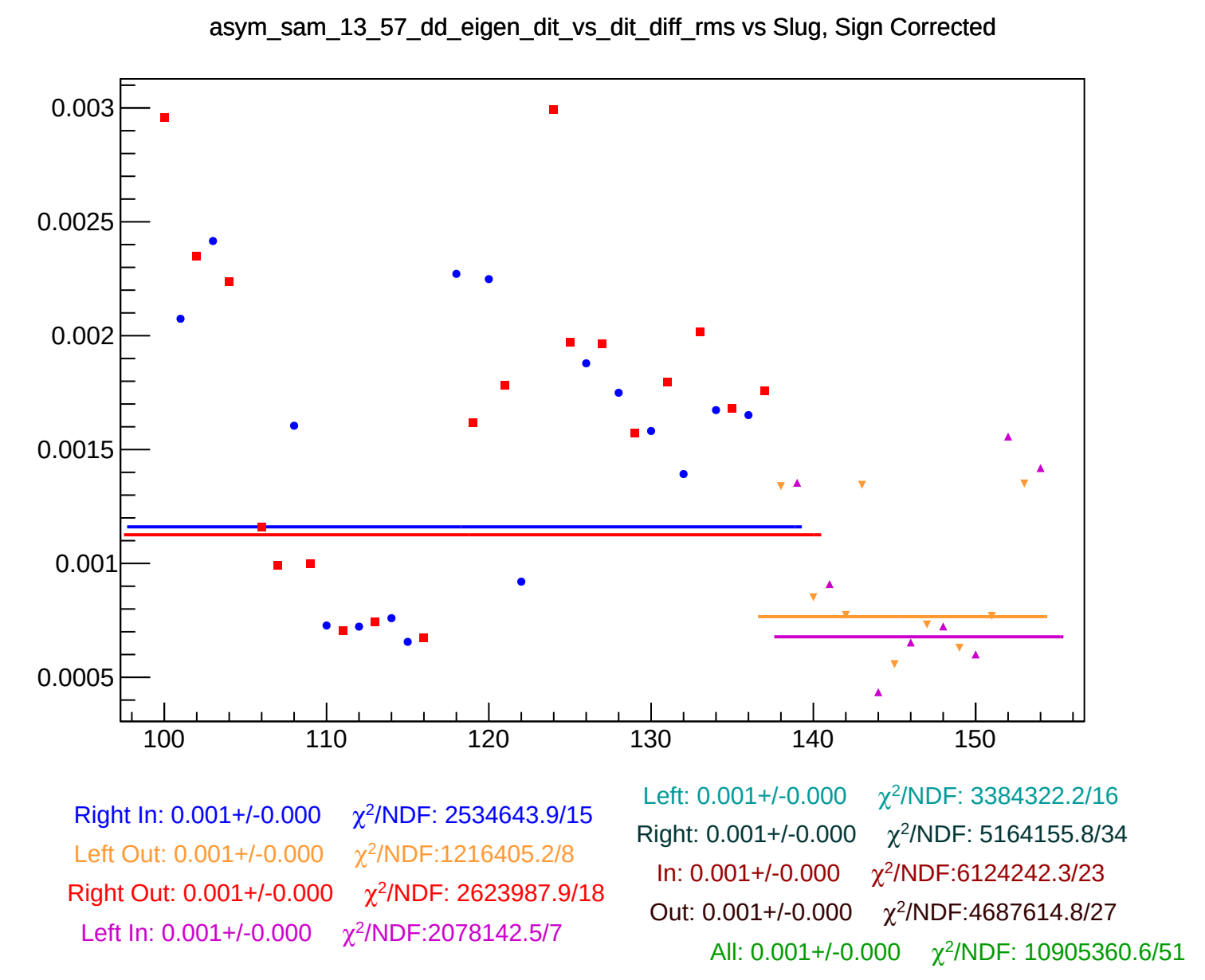
Left: 0.000+/-0.000 χ^2/NDF: 23.7/16

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

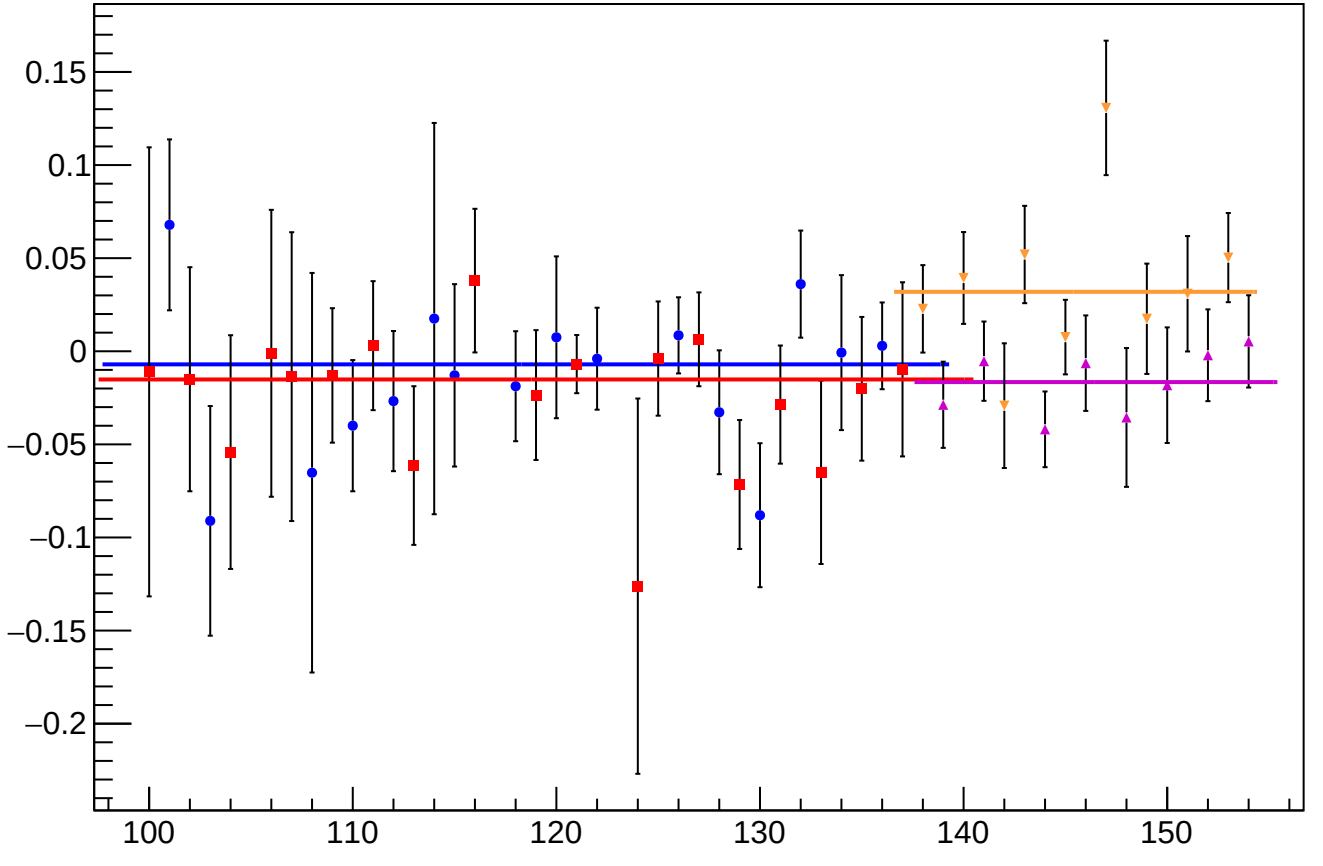
In: 0.000+/-0.000 χ^2/NDF:20.8/23

Out: 0.000+/-0.000 χ^2/NDF:35.7/27

All: 0.000+/-0.000 χ^2/NDF: 56.6/51


asym_sam_13_57_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: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1216405.2/8
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:2078142.5/7
Left: 0.001+/-0.000 χ²/NDF: 3384322.2/16
Right: 0.001+/-0.000 χ²/NDF: 5164155.8/34
In: 0.001+/-0.000 χ²/NDF:6124242.3/23
Out: 0.001+/-0.000 χ²/NDF:4687614.8/27
All: 0.001+/-0.000 χ²/NDF: 10905360.6/51

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.032+/-0.009 χ^2/NDF:14.0/8

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.017+/-0.009 χ^2/NDF:3.7/7

Left: 0.008+/-0.006 χ^2/NDF: 32.9/16

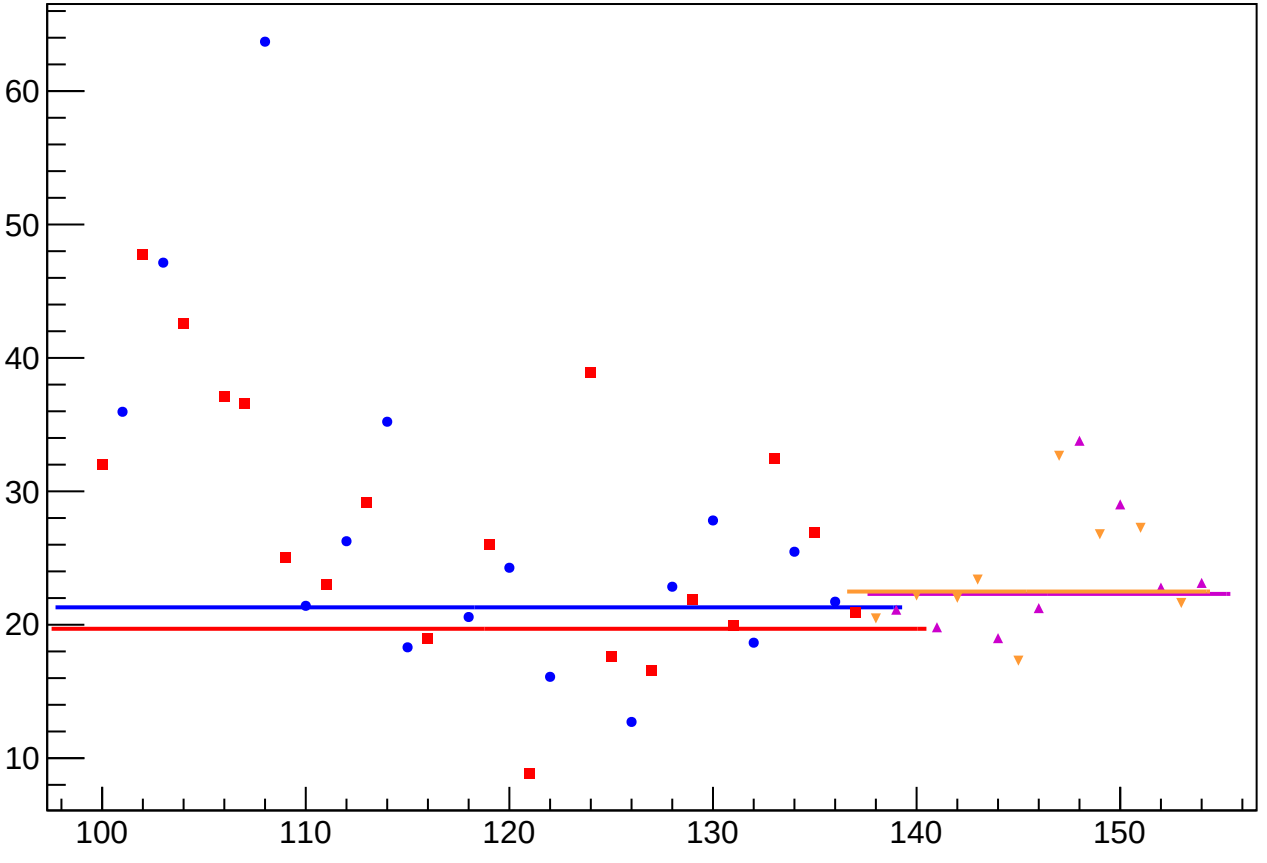
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.012+/-0.006 χ^2/NDF:18.6/23

Out: 0.007+/-0.006 χ^2/NDF:39.4/27

All: -0.002+/-0.004 χ^2/NDF: 62.6/51

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: 22.312+/-0.006 χ^2/NDF:375487.8/7

Left: 22.400+/-0.004 χ^2/NDF: 778554.8/16

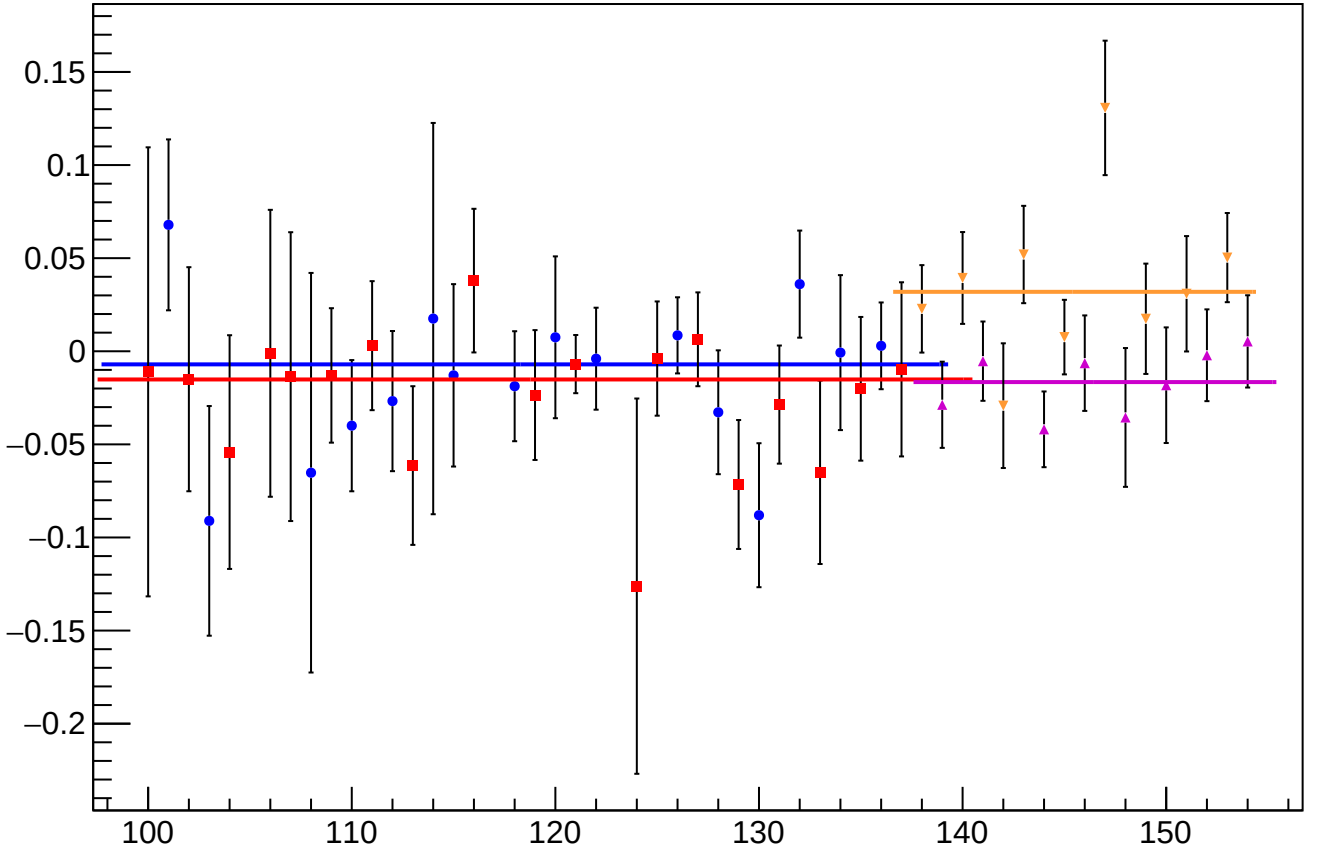
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.801+/-0.004 χ^2/NDF:1868134.3/23

Out: 21.004+/-0.004 χ^2/NDF:2949040.4/27

All: 21.393+/-0.003 χ^2/NDF: 4834428.6/51

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.032+/-0.009 χ^2/NDF:14.0/8

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.017+/-0.009 χ^2/NDF:3.7/7

Left: 0.008+/-0.006 χ^2/NDF: 32.9/16

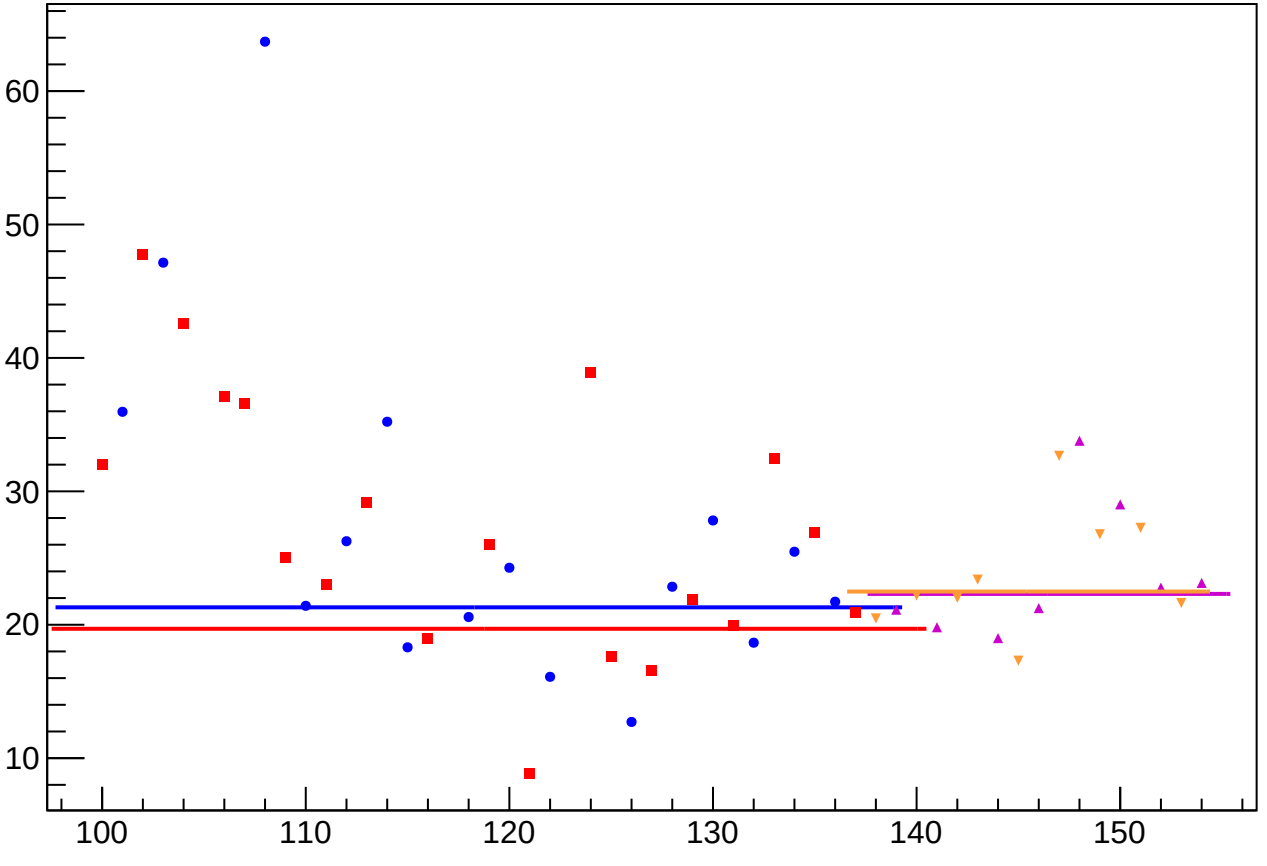
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.012+/-0.006 χ^2/NDF:18.6/23

Out: 0.007+/-0.006 χ^2/NDF:39.4/27

All: -0.002+/-0.004 χ^2/NDF: 62.6/51

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: 22.312+/-0.006 χ^2/NDF:375487.8/7

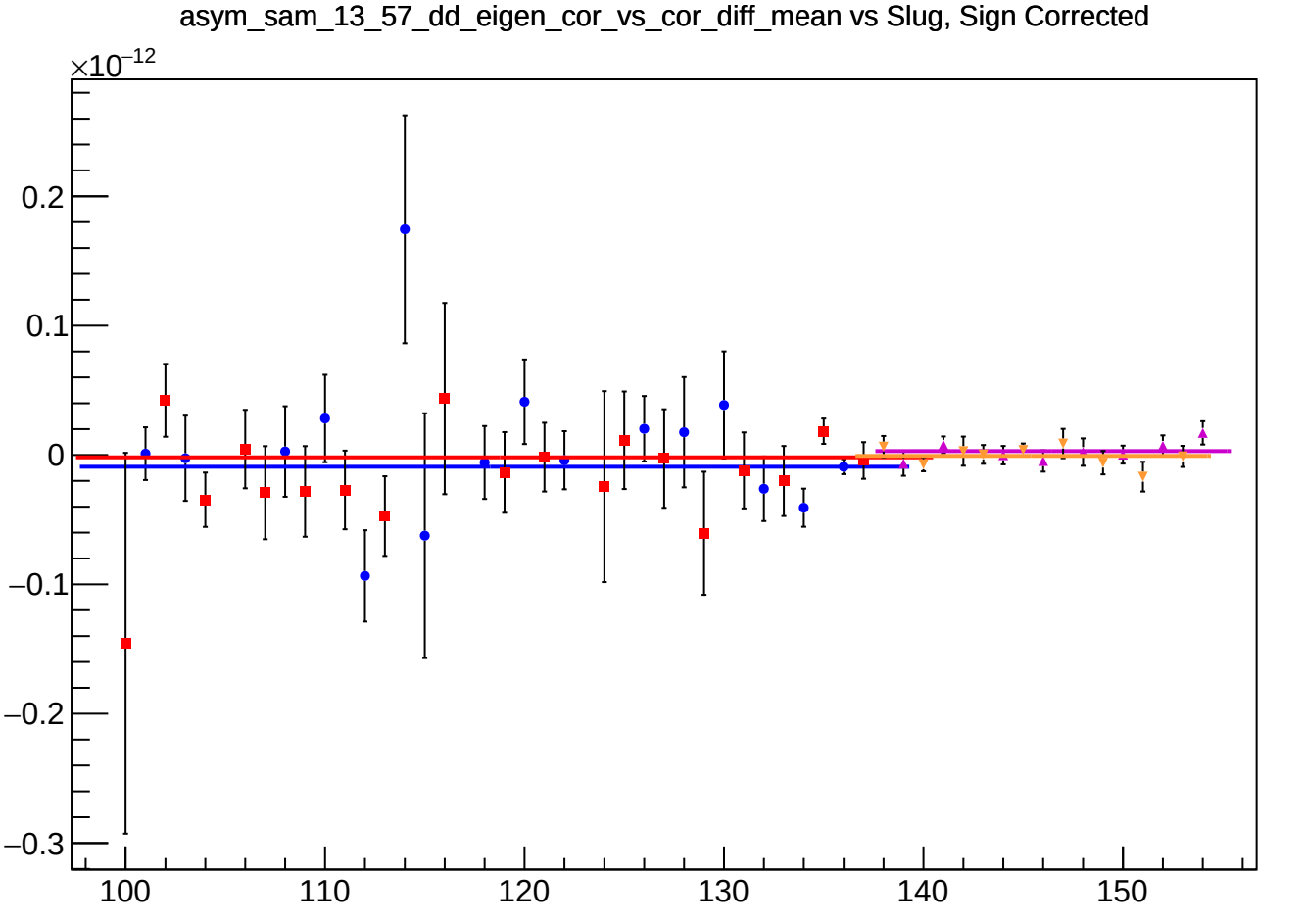
Left: 22.400+/-0.004 χ^2/NDF: 778554.8/16

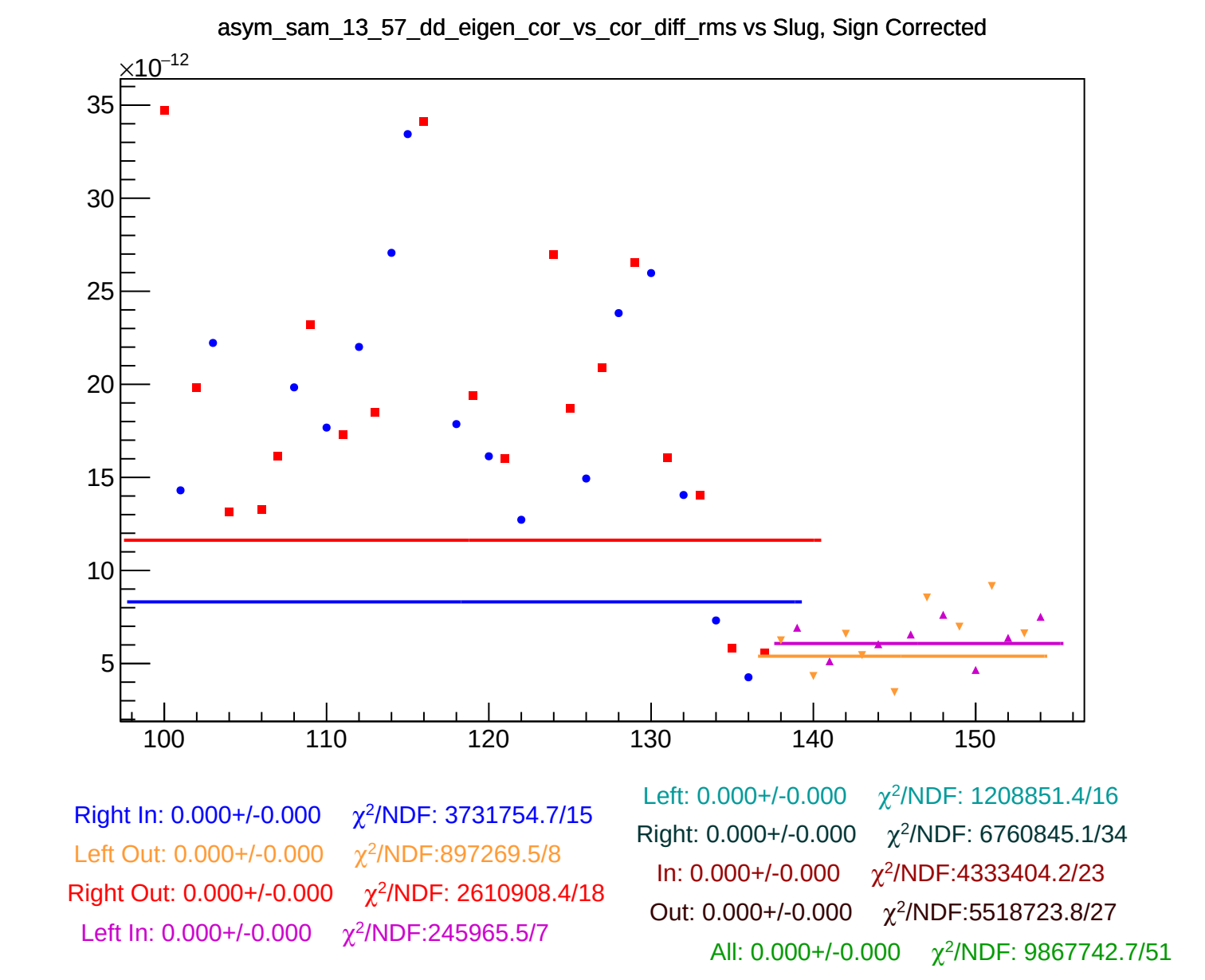
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

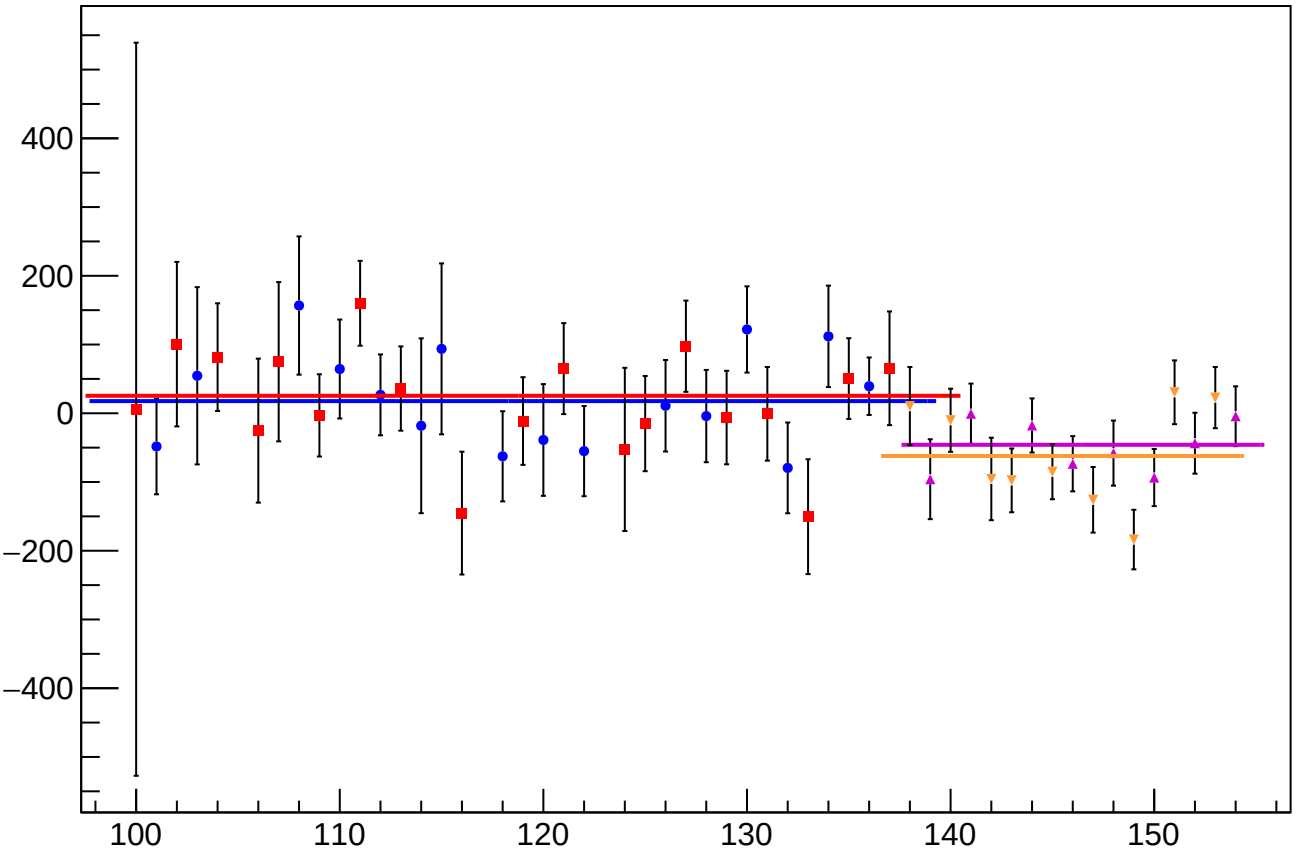
In: 21.801+/-0.004 χ^2/NDF:1868134.3/23

Out: 21.004+/-0.004 χ^2/NDF:2949040.4/27

All: 21.393+/-0.003 χ^2/NDF: 4834428.6/51


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:5.5/7
Left: 0.000+/-0.000 χ²/NDF: 12.7/16
Right: -0.000+/-0.000 χ²/NDF: 40.6/34
In: -0.000+/-0.000 χ²/NDF:33.3/23
Out: -0.000+/-0.000 χ²/NDF:23.2/27
All: -0.000+/-0.000 χ²/NDF: 56.5/51


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:245965.5/7
Left: 0.000+/-0.000 χ²/NDF: 1208851.4/16
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:4333404.2/23
Out: 0.000+/-0.000 χ²/NDF:5518723.8/27
All: 0.000+/-0.000 χ²/NDF: 9867742.7/51



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: -45.881+/-15.535 χ^2/NDF:5.1/7

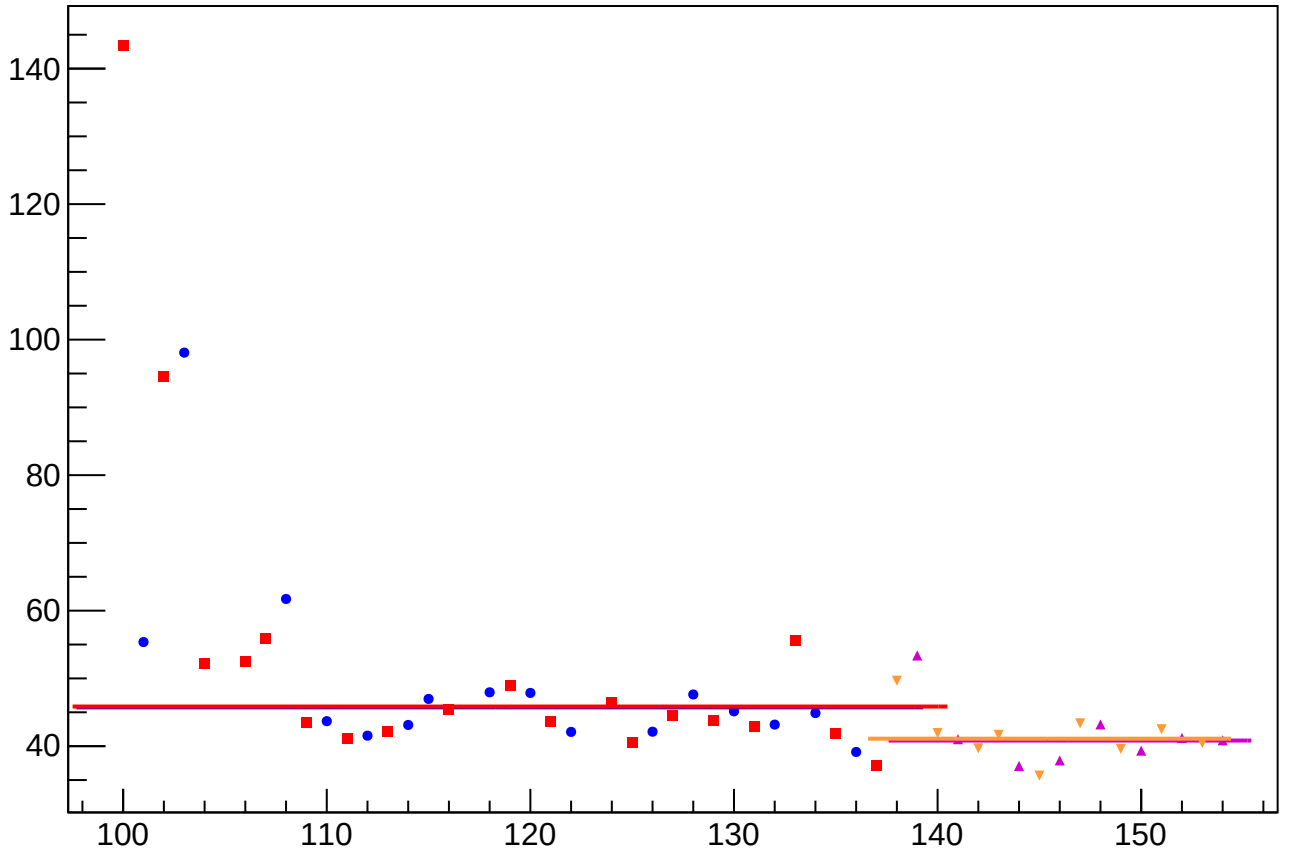
Left: -53.947+/-11.021 χ^2/NDF: 27.0/16

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -17.805+/-11.609 χ^2/NDF:26.4/23

Out: -22.839+/-11.612 χ^2/NDF:53.3/27

All: -20.322+/-8.210 χ^2/NDF: 79.8/51



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: 40.830+/-0.011 χ^2/NDF:129982.2/7

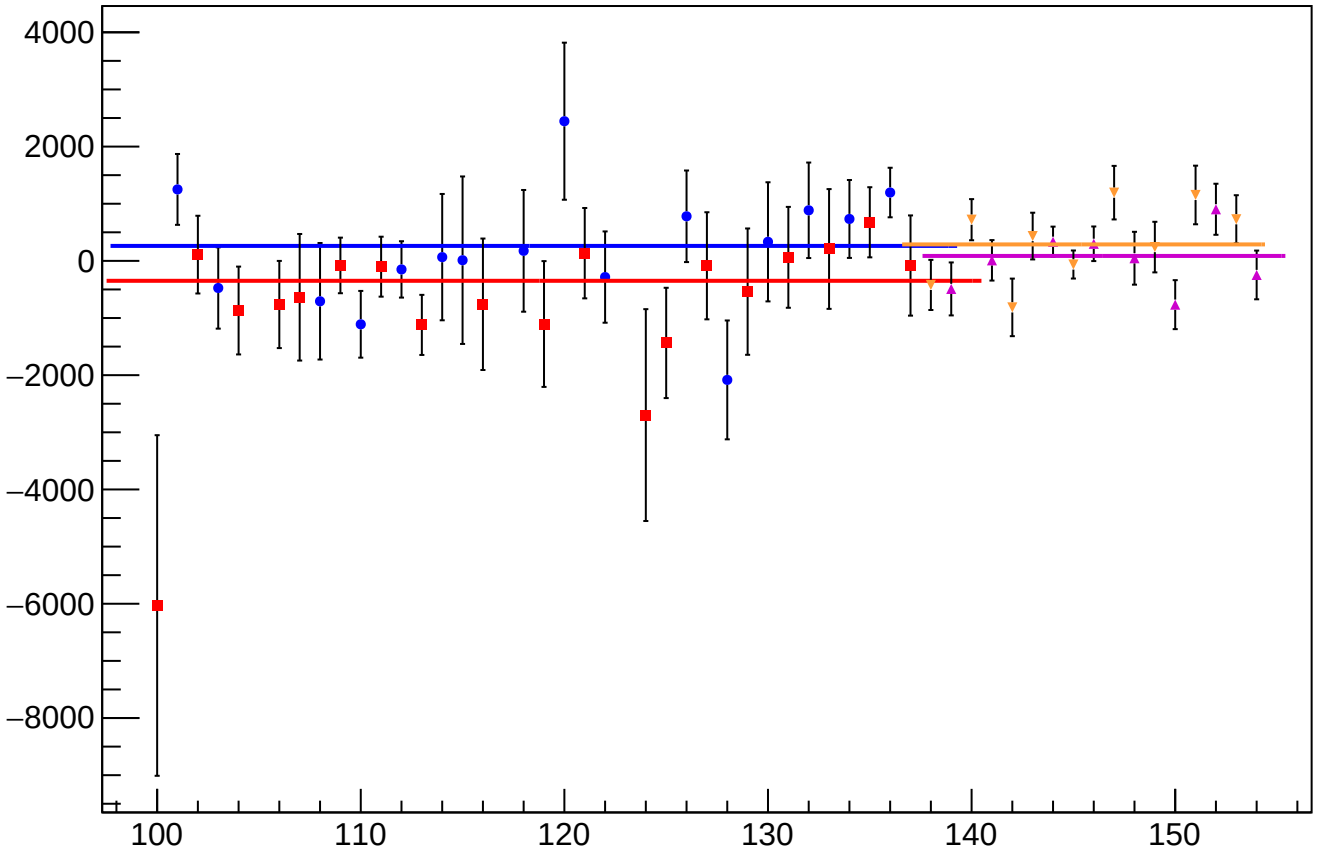
Left: 40.968+/-0.008 χ^2/NDF: 223816.4/16

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.992+/-0.008 χ^2/NDF:719197.2/23

Out: 43.235+/-0.008 χ^2/NDF:716166.0/27

All: 43.113+/-0.006 χ^2/NDF: 1435799.9/51



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: 86.497+/-130.803 χ^2/NDF:10.9/7

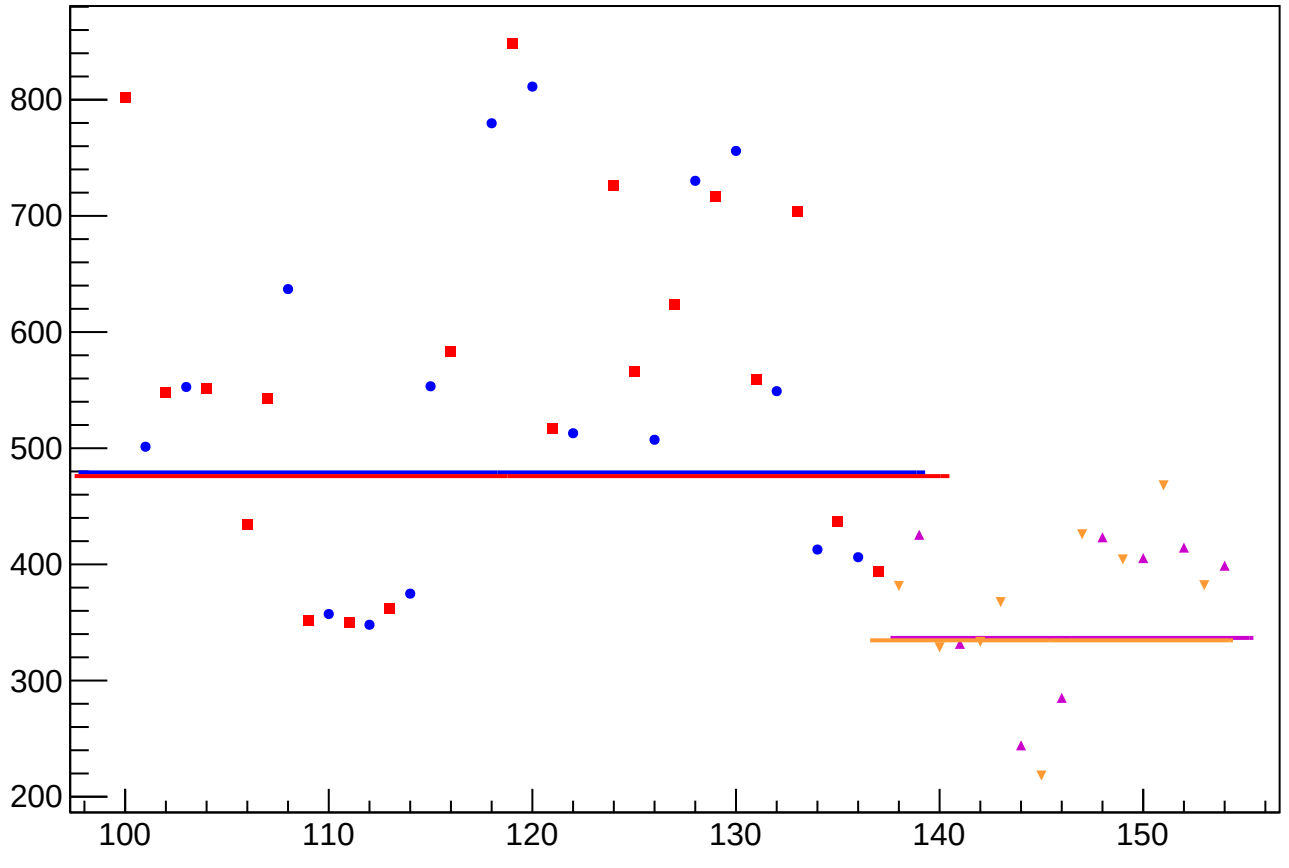
Left: 187.377+/-92.453 χ^2/NDF: 30.8/16

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 144.883+/-106.844 χ^2/NDF:36.5/23

Out: 69.360+/-105.895 χ^2/NDF:41.8/27

All: 106.785+/-75.212 χ^2/NDF: 78.5/51



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: 336.718+/-0.092 χ^2/NDF:600740.4/7

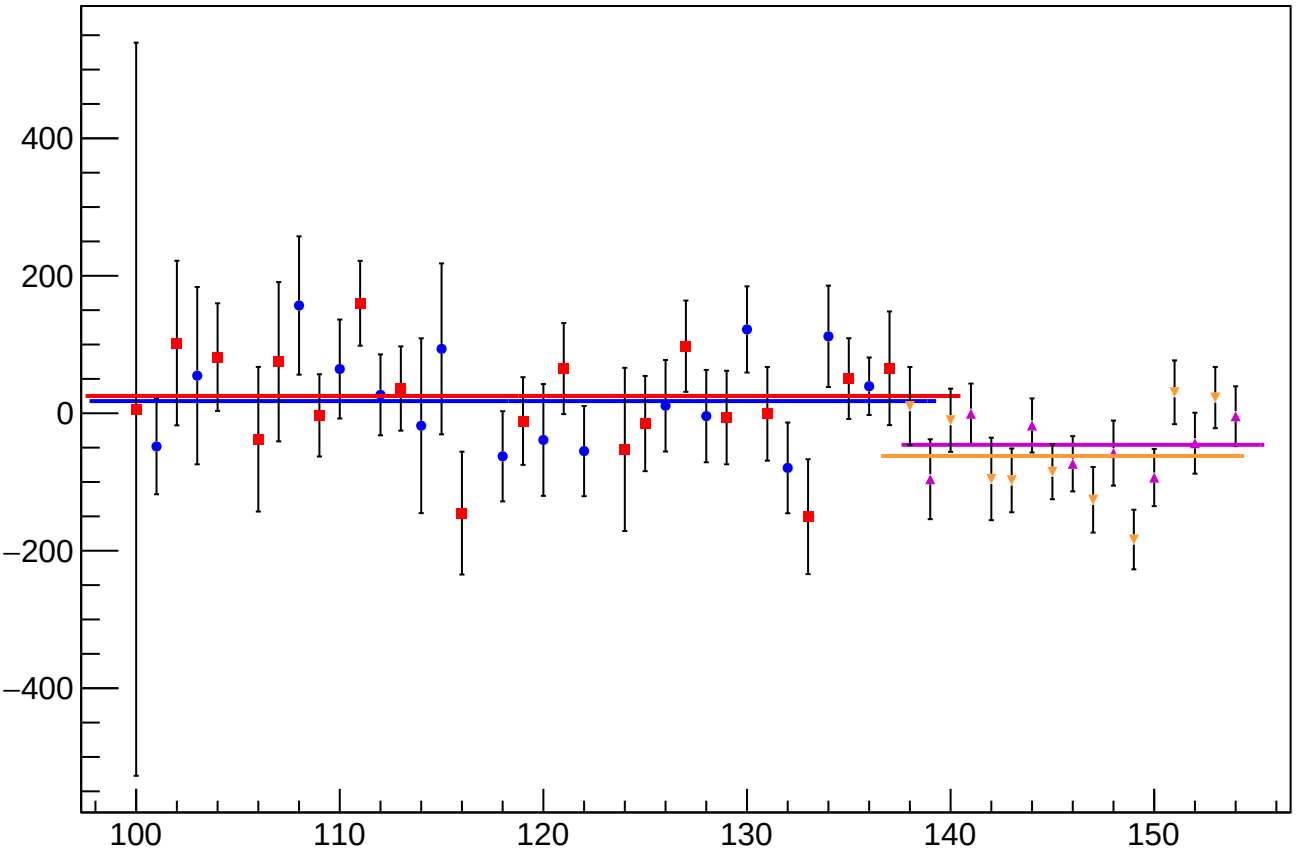
Left: 335.680+/-0.065 χ^2/NDF: 1373572.1/16

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 384.127+/-0.076 χ^2/NDF:2342915.0/23

Out: 383.197+/-0.075 χ^2/NDF:2582619.2/27

All: 383.658+/-0.053 χ^2/NDF: 4925610.7/51



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: -45.882+/-15.535 χ^2/NDF:5.1/7

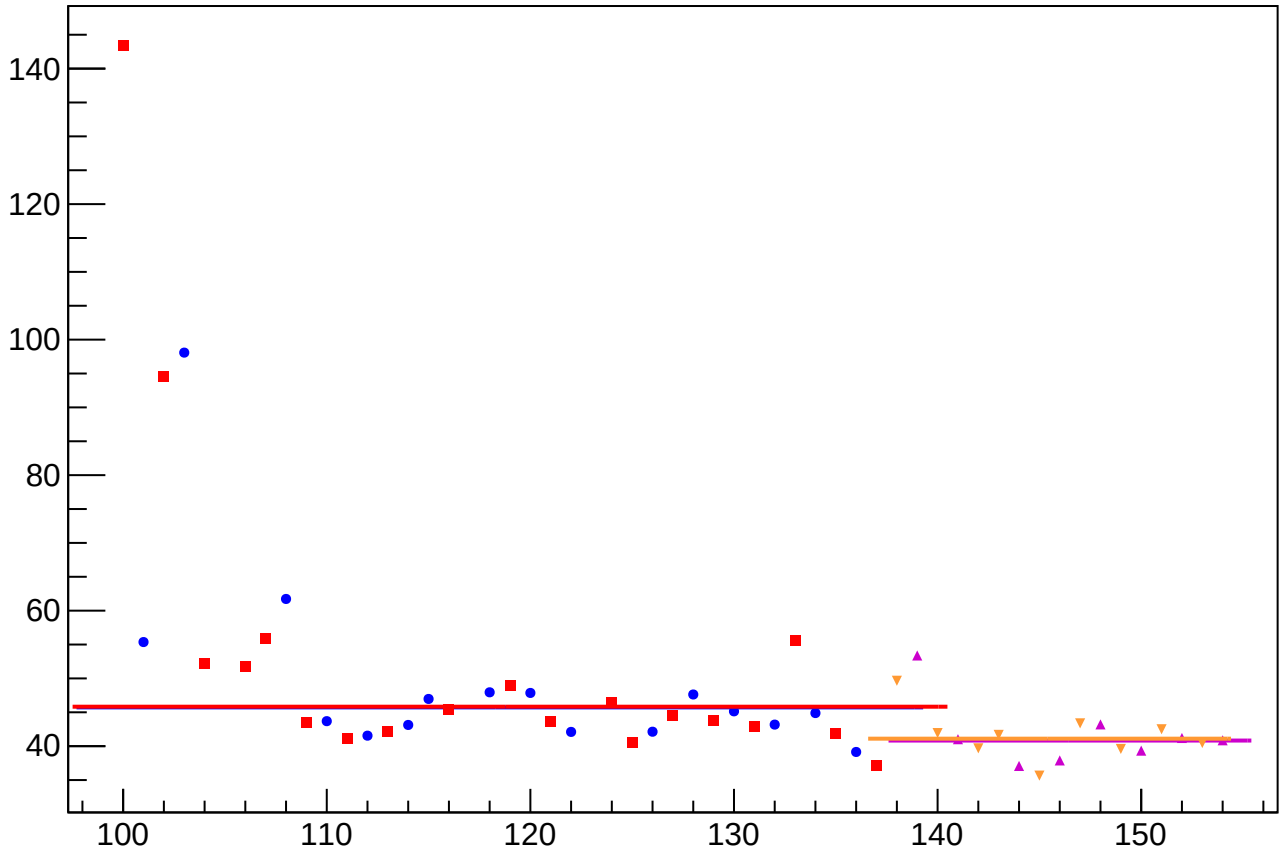
Left: -53.947+/-11.021 χ^2/NDF: 27.0/16

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -17.803+/-11.609 χ^2/NDF:26.4/23

Out: -22.978+/-11.613 χ^2/NDF:53.4/27

All: -20.390+/-8.210 χ^2/NDF: 79.9/51



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: 40.830+/-0.011 χ^2/NDF:129982.2/7

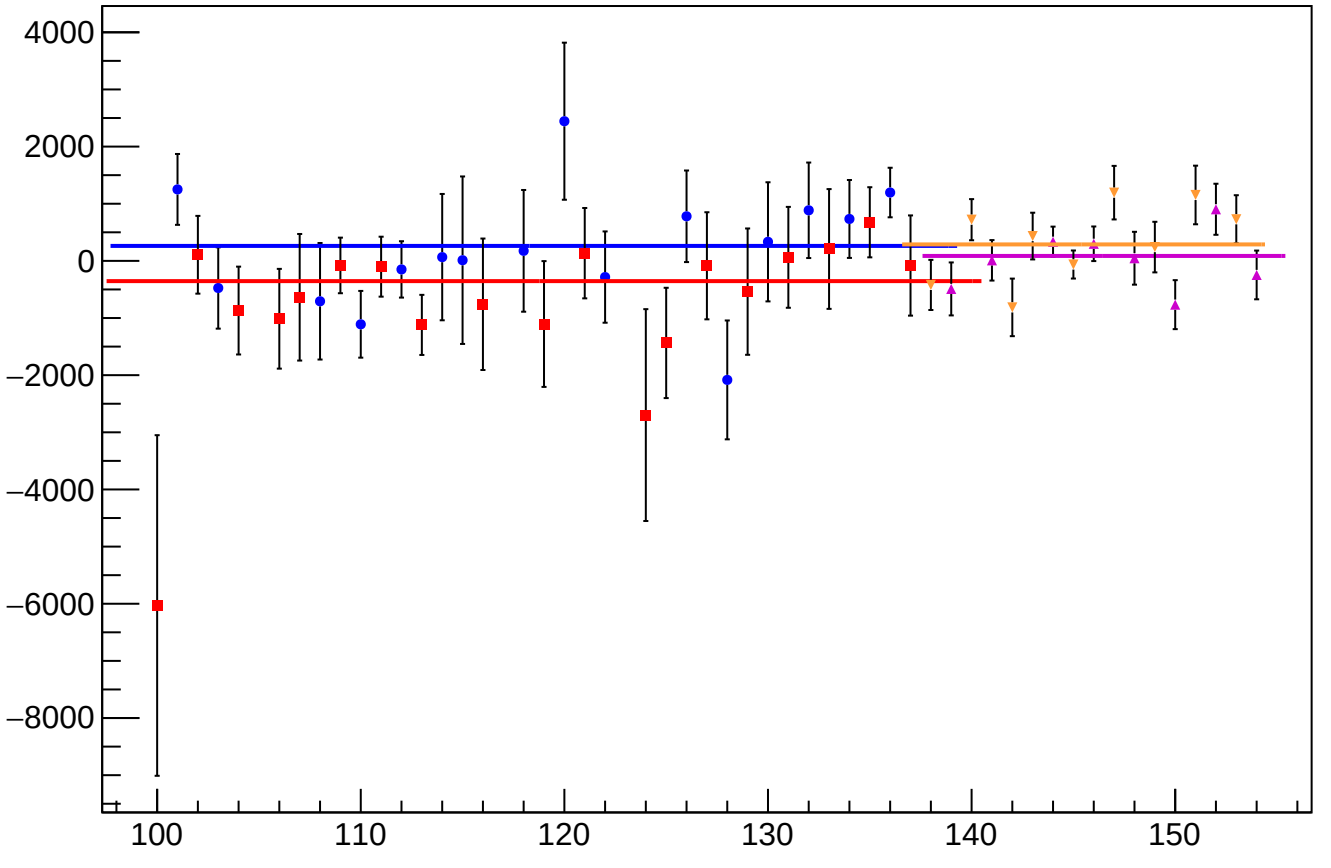
Left: 40.968+/-0.008 χ^2/NDF: 223816.4/16

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.992+/-0.008 χ^2/NDF:719200.2/23

Out: 43.224+/-0.008 χ^2/NDF:713639.8/27

All: 43.108+/-0.006 χ^2/NDF: 1433238.0/51



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: 86.497+/-130.803 χ^2/NDF:10.9/7

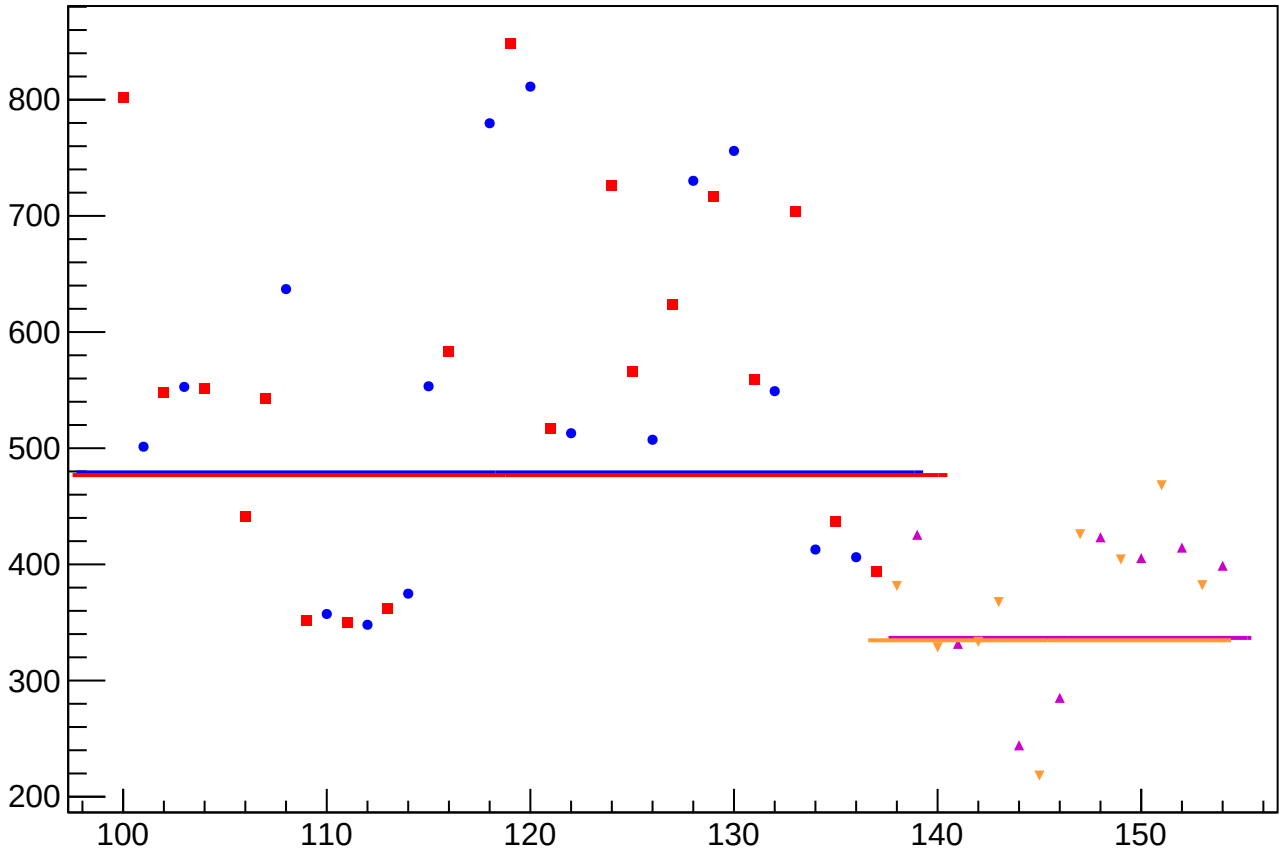
Left: 187.377+/-92.453 χ^2/NDF: 30.8/16

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 144.884+/-106.844 χ^2/NDF:36.5/23

Out: 69.409+/-106.139 χ^2/NDF:42.1/27

All: 106.897+/-75.300 χ^2/NDF: 78.8/51



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: 336.719+/-0.092 χ^2/NDF:600741.7/7

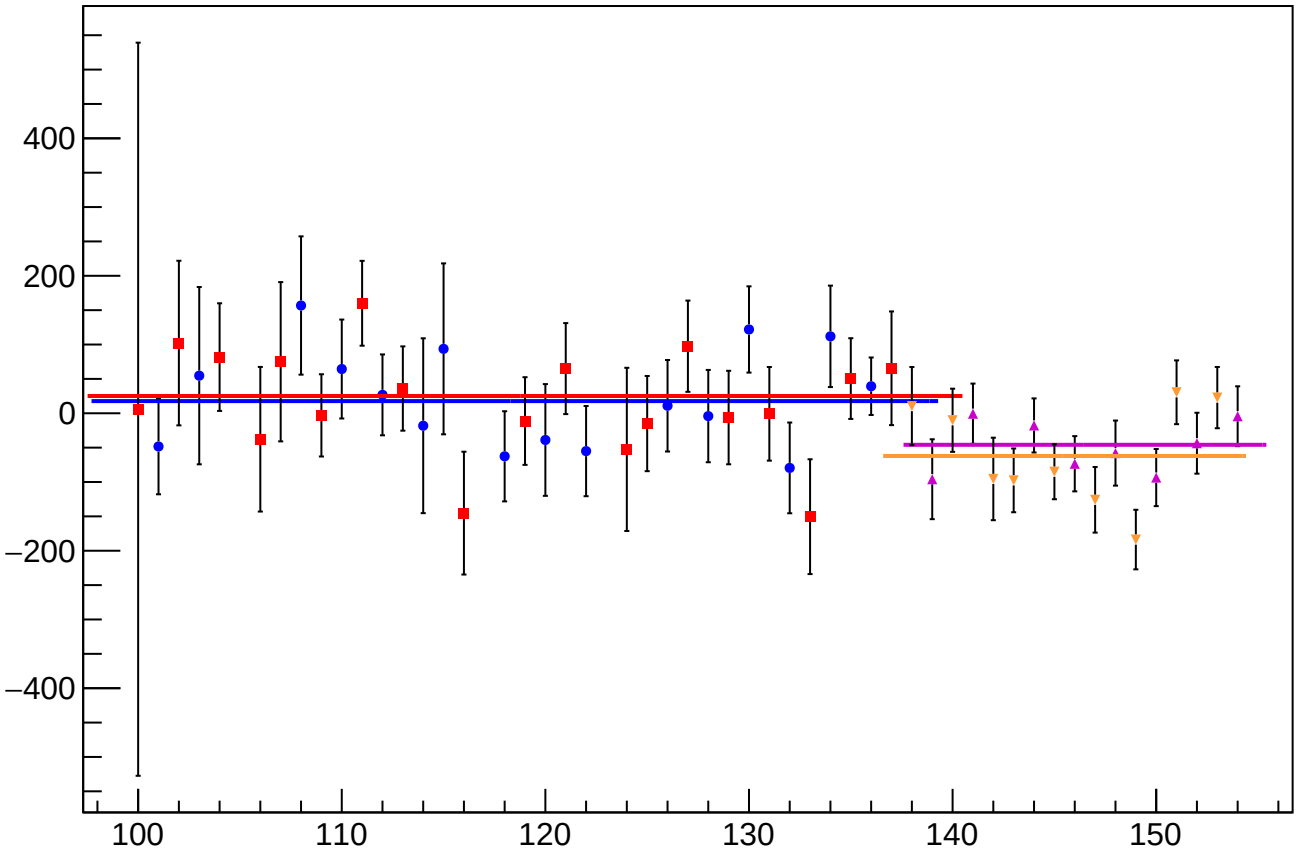
Left: 335.681+/-0.065 χ^2/NDF: 1373574.0/16

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 384.128+/-0.076 χ^2/NDF:2342961.3/23

Out: 383.075+/-0.075 χ^2/NDF:2582997.6/27

All: 383.598+/-0.053 χ^2/NDF: 4926056.6/51



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: -45.882+/-15.535 χ^2/NDF:5.1/7

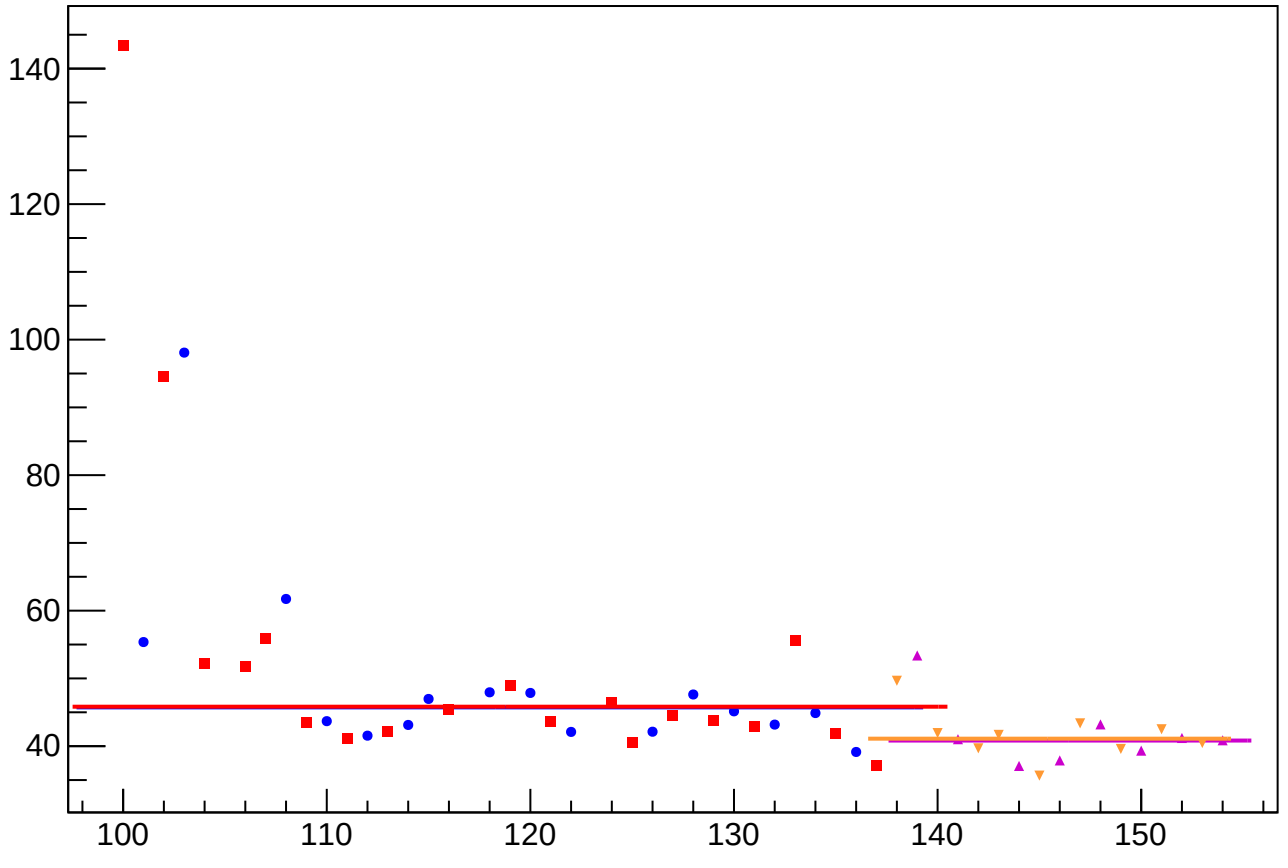
Left: -53.947+/-11.021 χ^2/NDF: 27.0/16

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -17.803+/-11.609 χ^2/NDF:26.4/23

Out: -22.978+/-11.613 χ^2/NDF:53.4/27

All: -20.390+/-8.210 χ^2/NDF: 79.9/51



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: 40.830+/-0.011 χ^2/NDF:129982.2/7

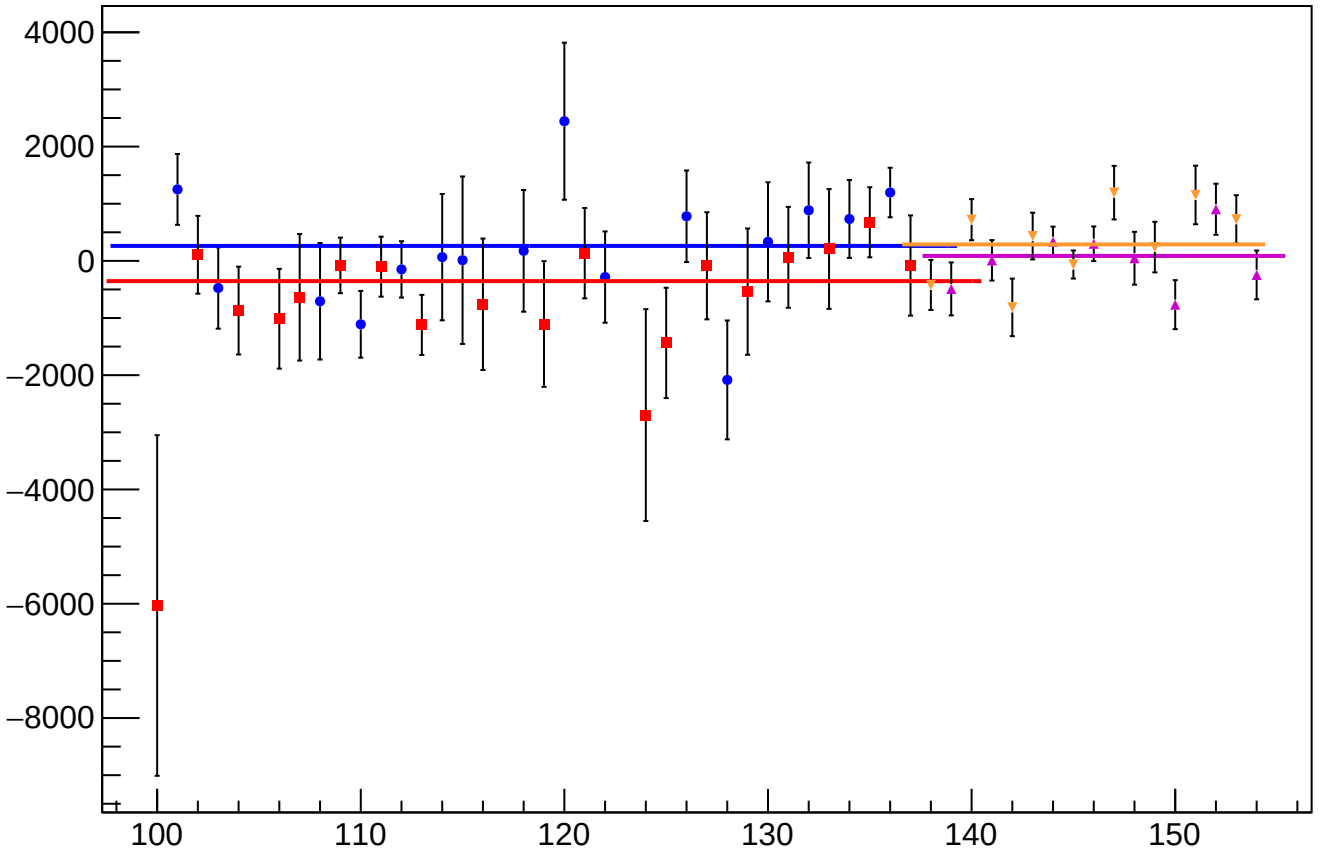
Left: 40.968+/-0.008 χ^2/NDF: 223816.4/16

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.992+/-0.008 χ^2/NDF:719200.2/23

Out: 43.224+/-0.008 χ^2/NDF:713639.8/27

All: 43.108+/-0.006 χ^2/NDF: 1433238.0/51



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: 86.497+/-130.803 χ^2/NDF:10.9/7

Left: 187.377+/-92.453 χ^2/NDF: 30.8/16

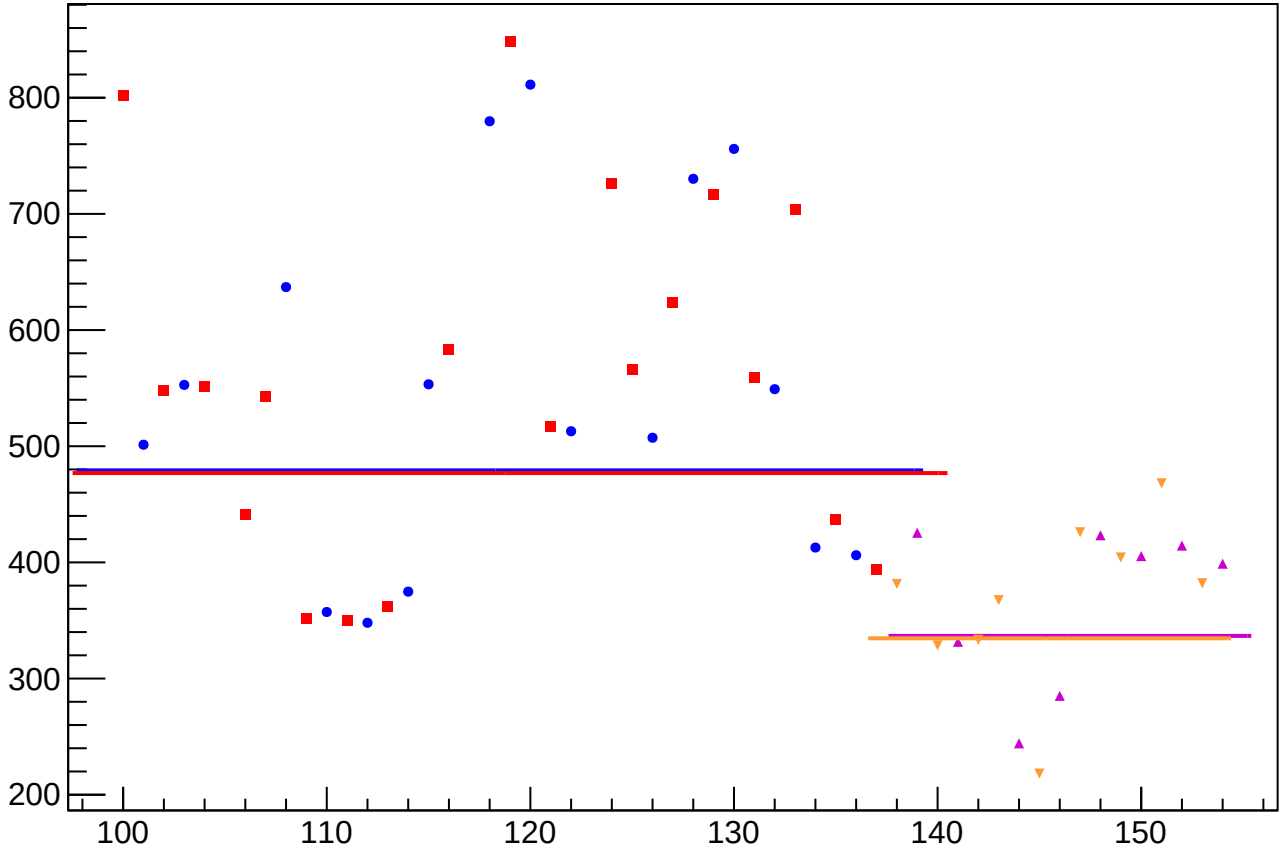
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 144.884+/-106.844 χ^2/NDF:36.5/23

Out: 69.409+/-106.139 χ^2/NDF:42.1/27

All: 106.897+/-75.300 χ^2/NDF: 78.8/51

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 334.644+/-0.092 χ^2/NDF:772580.6/8

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 336.719+/-0.092 χ^2/NDF:600741.7/7

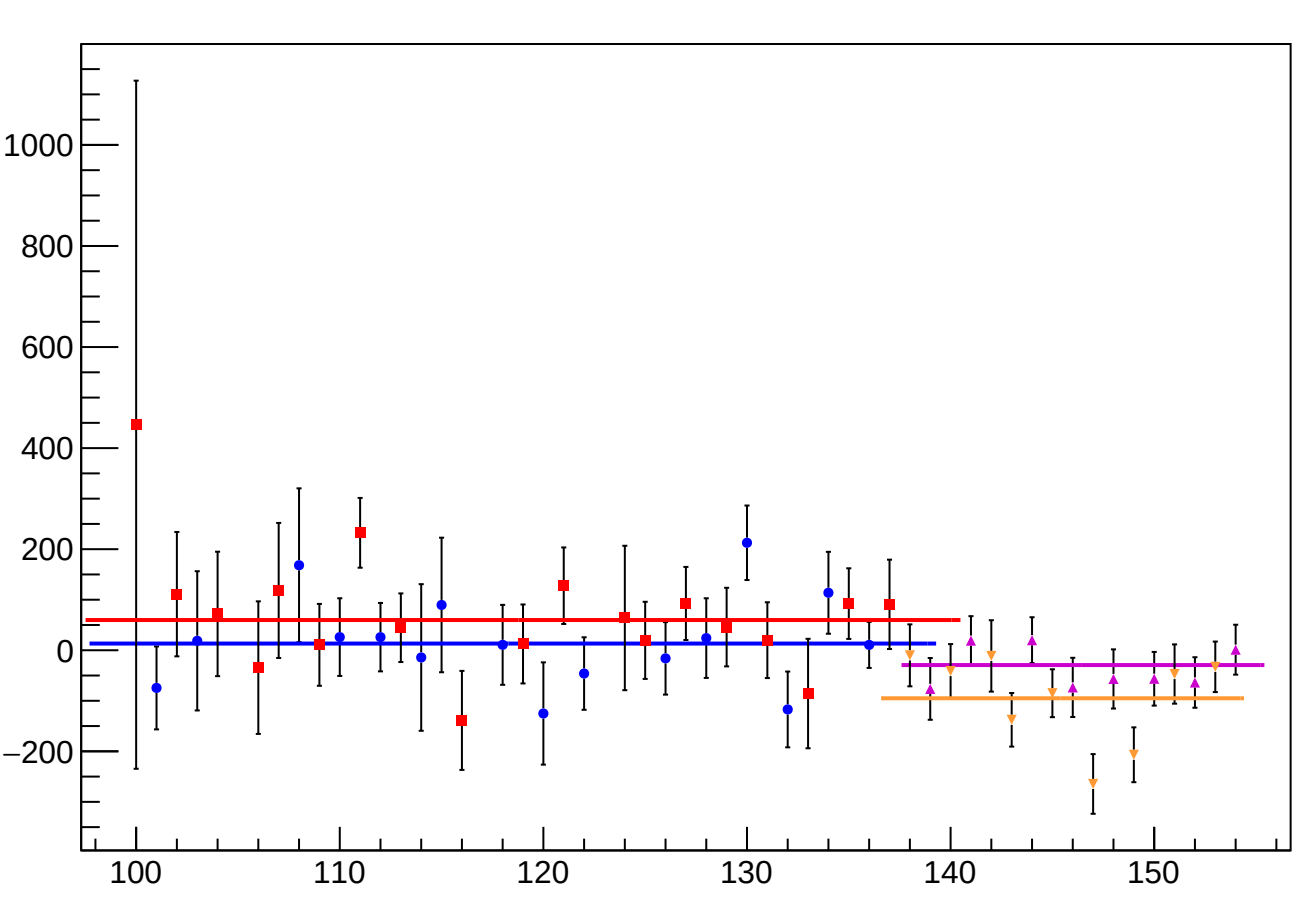
Left: 335.681+/-0.065 χ^2/NDF: 1373574.0/16

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 384.128+/-0.076 χ^2/NDF:2342961.3/23

Out: 383.075+/-0.075 χ^2/NDF:2582997.6/27

All: 383.598+/-0.053 χ^2/NDF: 4926056.6/51



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: -29.301+/-18.487 χ^2/NDF:4.7/7

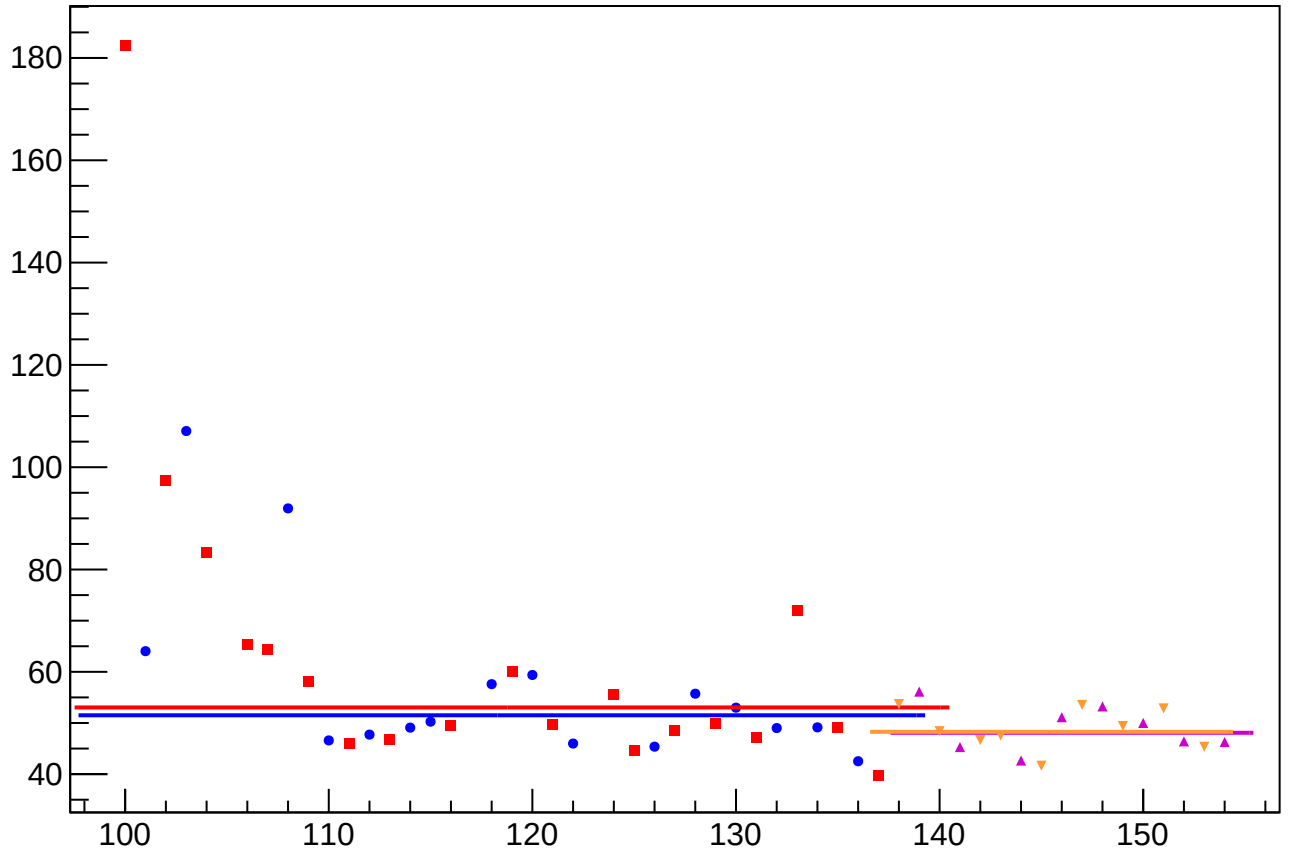
Left: -62.222+/-13.061 χ^2/NDF: 30.7/16

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -9.528+/-13.528 χ^2/NDF:24.4/23

Out: -24.713+/-13.635 χ^2/NDF:67.8/27

All: -17.061+/-9.604 χ^2/NDF: 92.8/51



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: 48.083+/-0.013 χ^2/NDF:98247.8/7

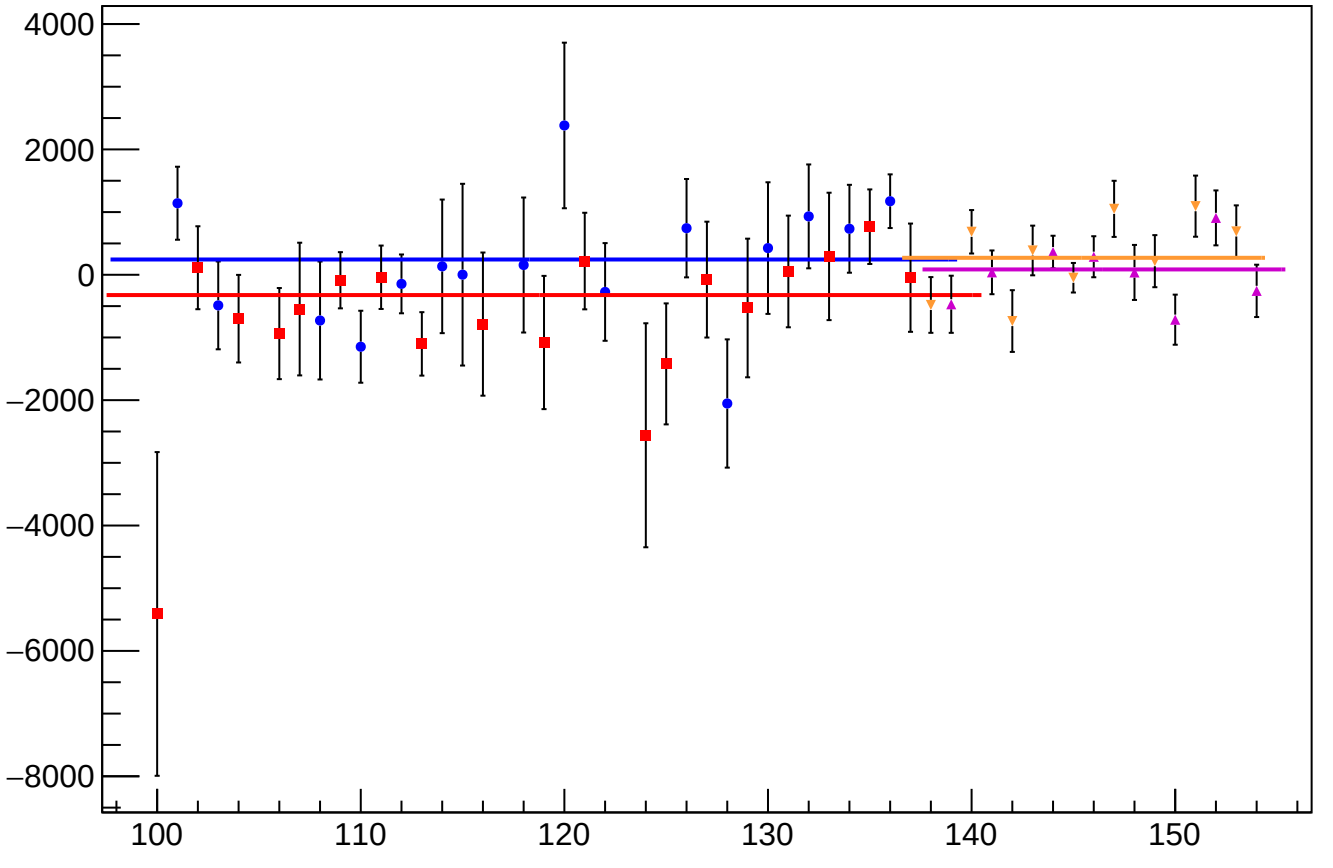
Left: 48.179+/-0.009 χ^2/NDF: 190502.7/16

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 49.673+/-0.010 χ^2/NDF:797154.1/23

Out: 50.438+/-0.010 χ^2/NDF:865542.4/27

All: 50.052+/-0.007 χ^2/NDF: 1665867.8/51



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: 85.233+/-129.556 χ^2/NDF:11.3/7

Left: 180.318+/-90.460 χ^2/NDF: 29.6/16

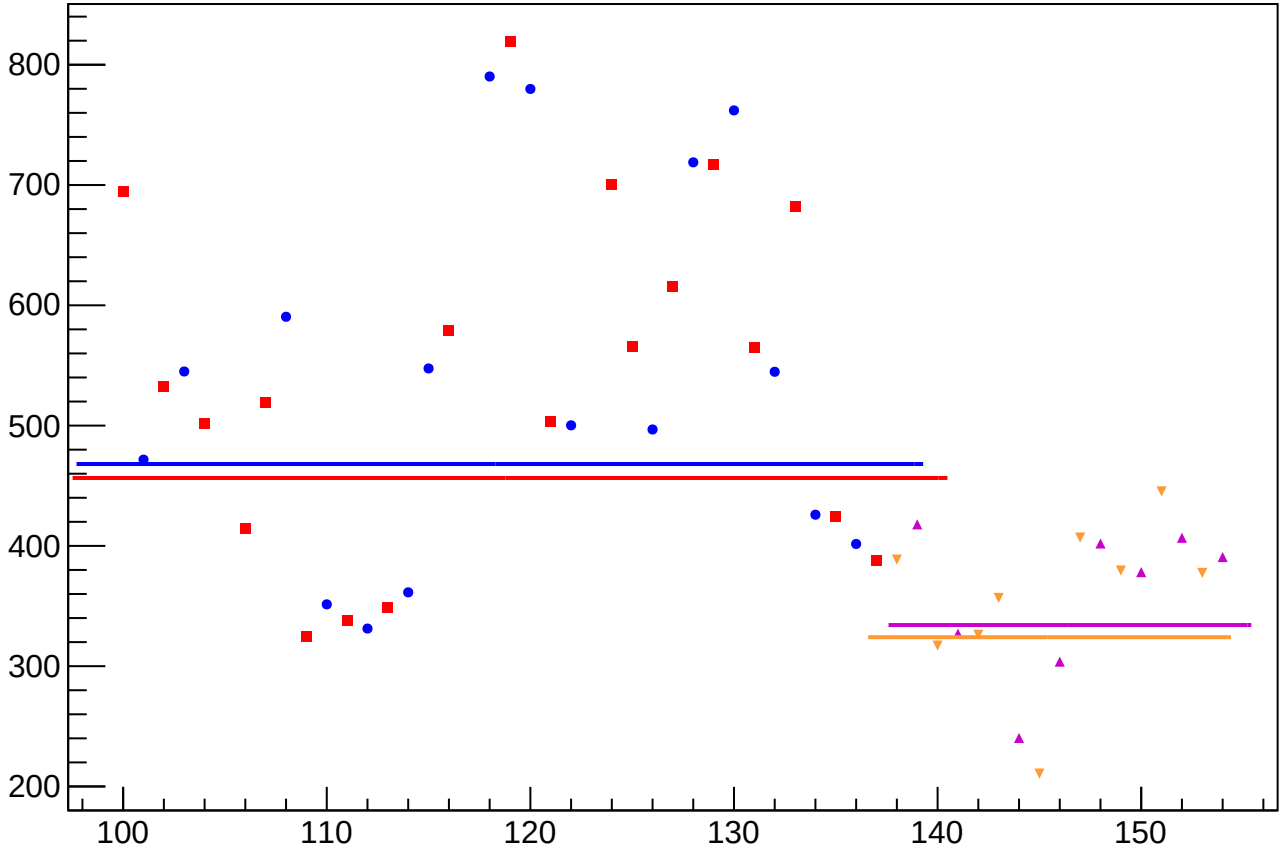
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 139.010+/-105.324 χ^2/NDF:37.4/23

Out: 64.960+/-102.171 χ^2/NDF:41.5/27

All: 100.860+/-73.335 χ^2/NDF: 79.1/51

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 324.084+/-0.089 χ^2/NDF:779472.5/8

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 334.211+/-0.092 χ^2/NDF:510022.7/7

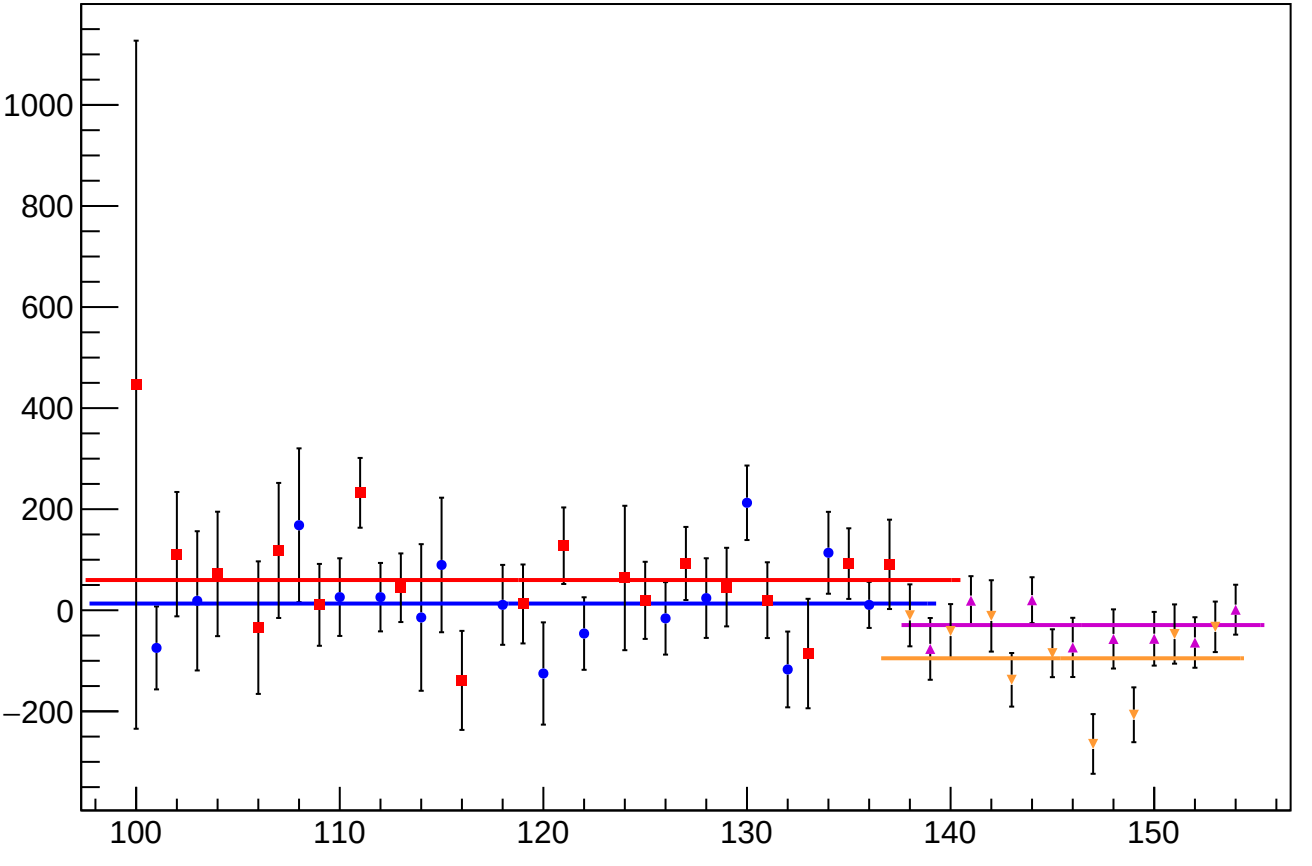
Left: 329.021+/-0.064 χ^2/NDF: 1295758.2/16

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 379.599+/-0.074 χ^2/NDF:2216871.3/23

Out: 369.923+/-0.072 χ^2/NDF:2622110.2/27

All: 374.614+/-0.052 χ^2/NDF: 4847679.4/51



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: -29.302+/-18.487 χ^2/NDF:4.7/7

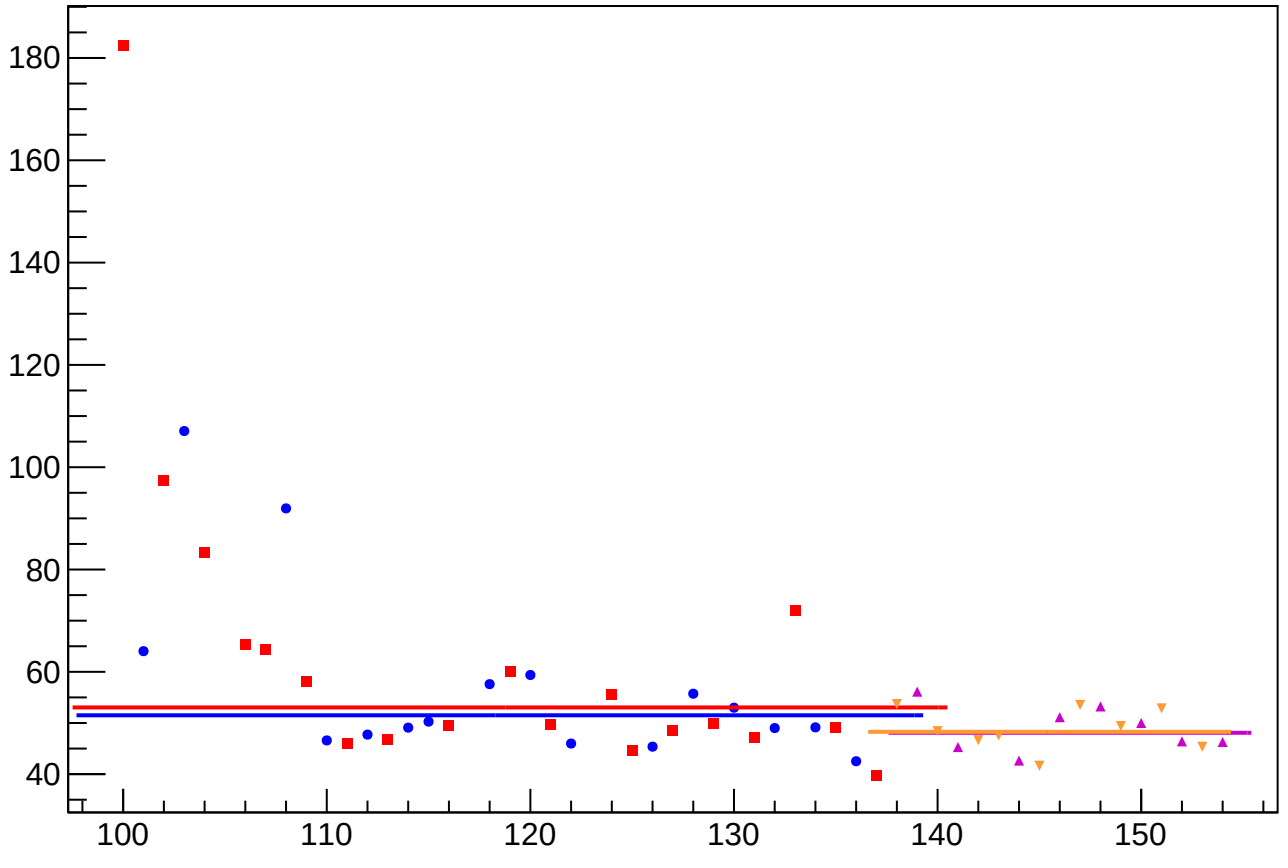
Left: -62.222+/-13.061 χ^2/NDF: 30.7/16

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -9.528+/-13.528 χ^2/NDF:24.4/23

Out: -24.713+/-13.635 χ^2/NDF:67.8/27

All: -17.061+/-9.604 χ^2/NDF: 92.8/51



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: 48.083+/-0.013 χ^2/NDF:98245.4/7

Left: 48.179+/-0.009 χ^2/NDF: 190498.6/16

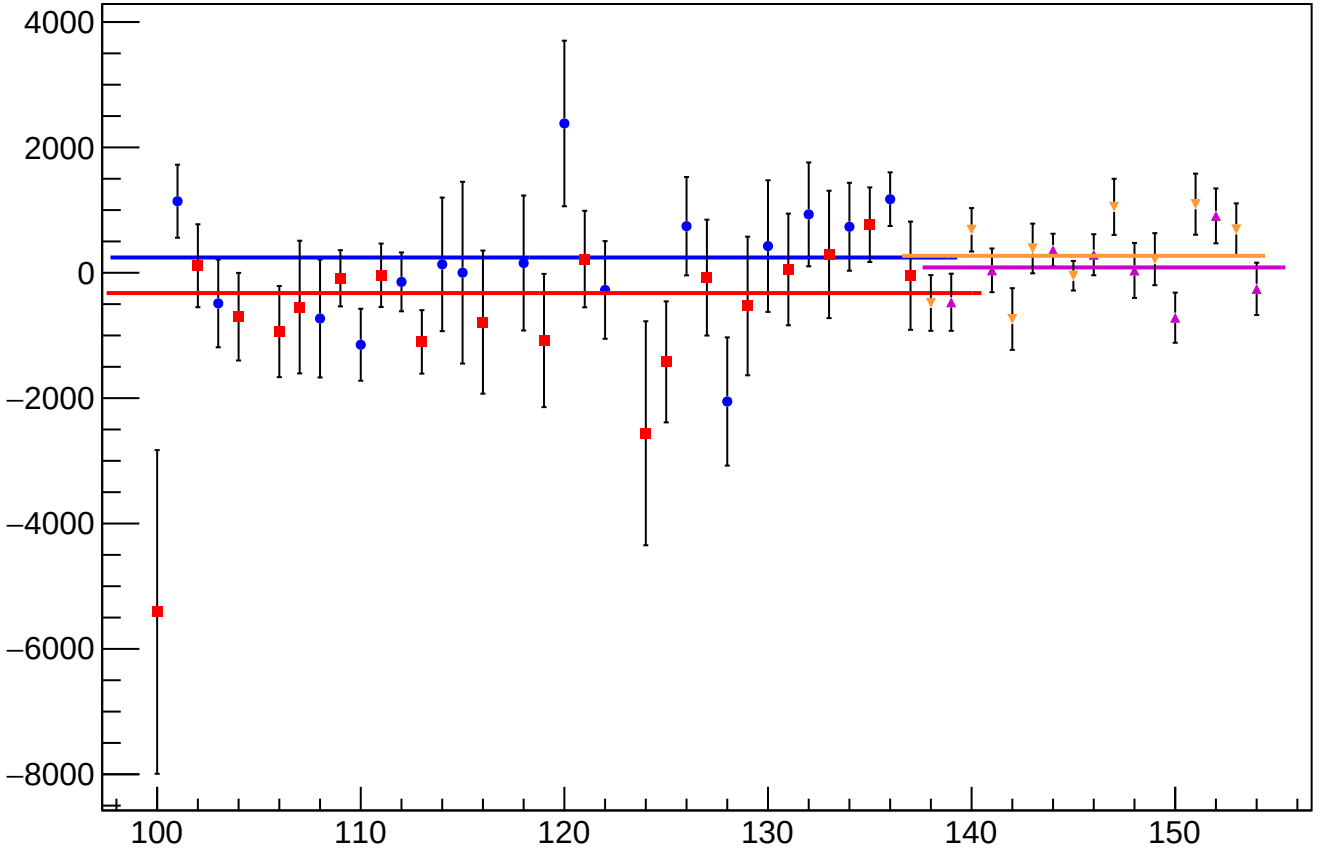
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 49.673+/-0.010 χ^2/NDF:797155.7/23

Out: 50.438+/-0.010 χ^2/NDF:865549.2/27

All: 50.052+/-0.007 χ^2/NDF: 1665876.2/51

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: 85.233+/-129.556 χ^2/NDF:11.3/7

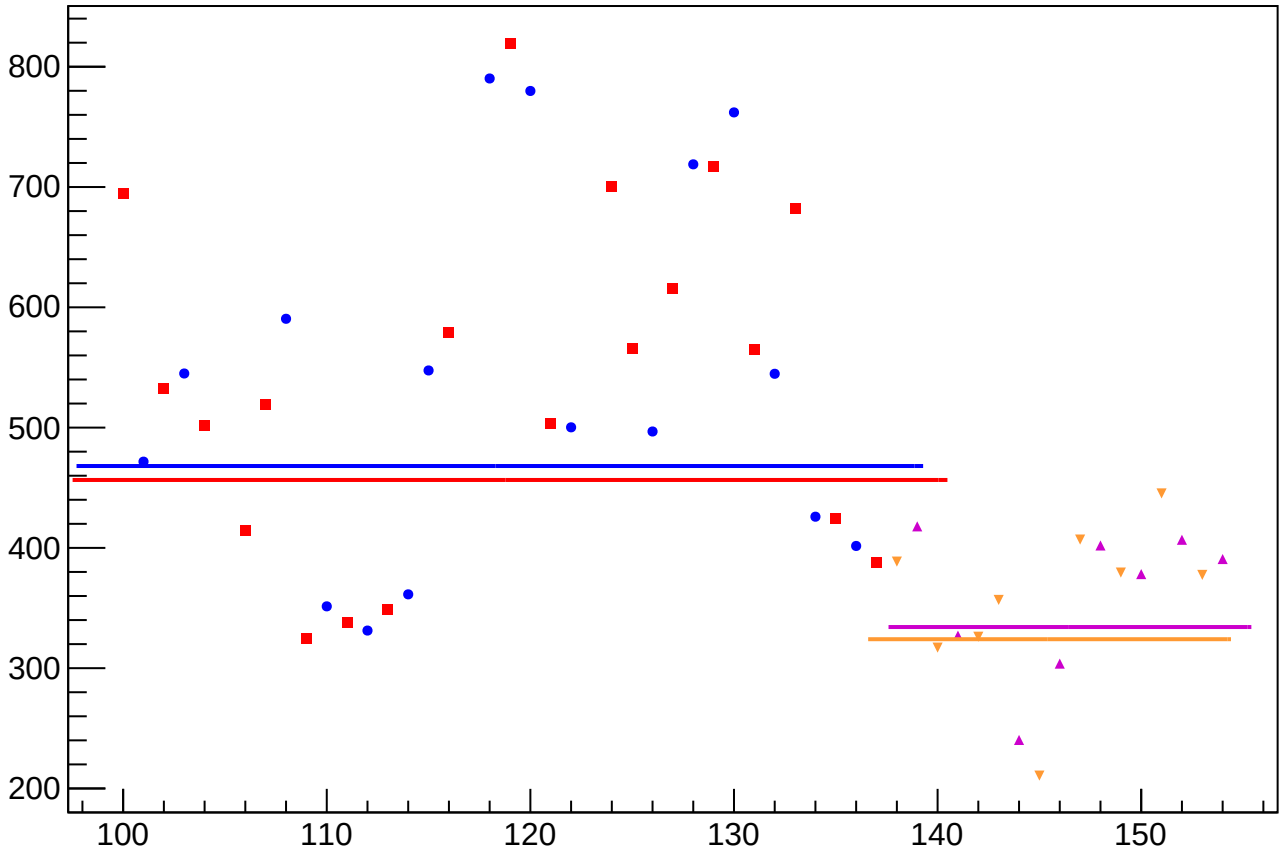
Left: 180.318+/-90.460 χ^2/NDF: 29.6/16

Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 139.010+/-105.324 χ^2/NDF:37.4/23

Out: 64.960+/-102.171 χ^2/NDF:41.5/27

All: 100.860+/-73.335 χ^2/NDF: 79.1/51



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: 334.211+/-0.092 χ^2/NDF:510024.3/7

Left: 329.021+/-0.064 χ^2/NDF: 1295764.1/16

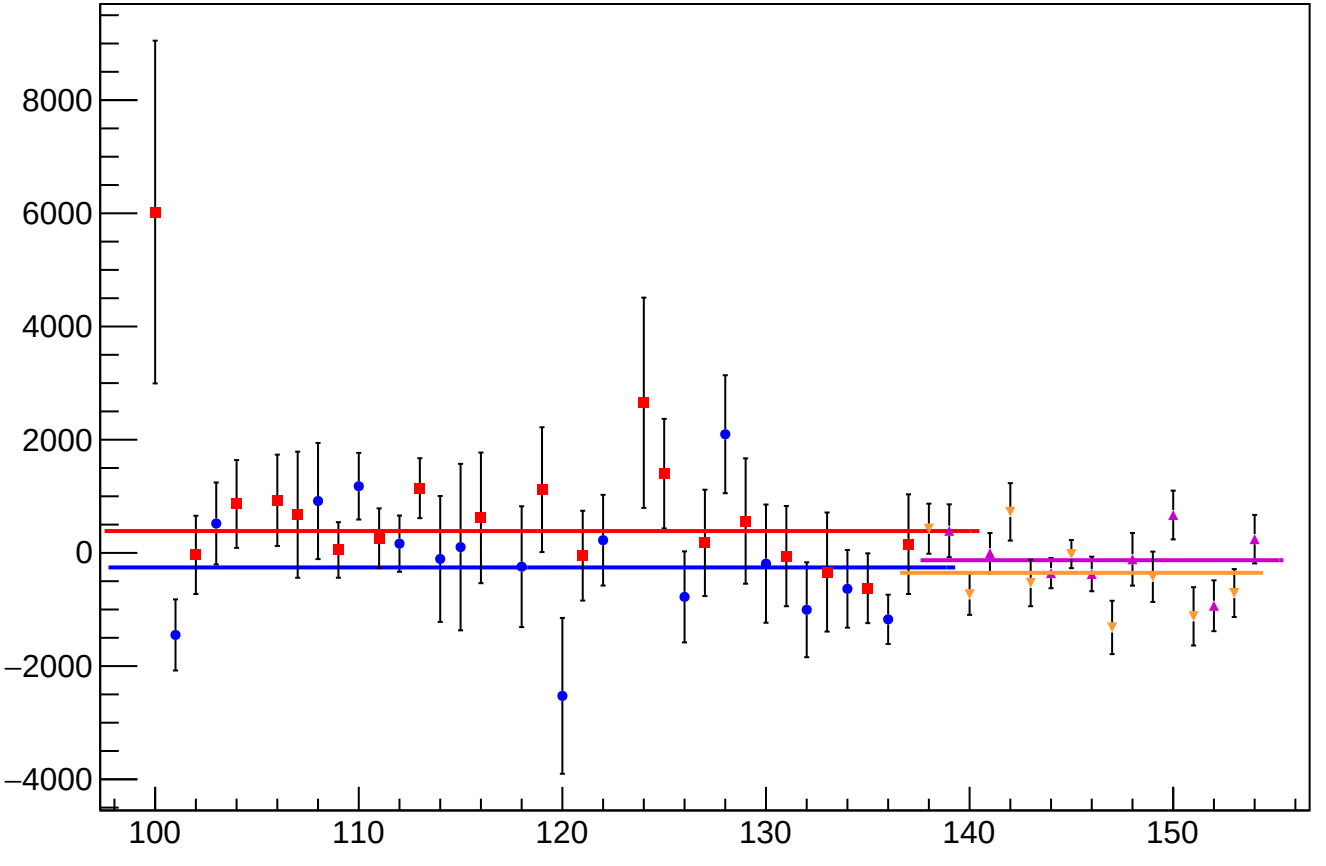
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 379.599+/-0.074 χ^2/NDF:2216863.9/23

Out: 369.922+/-0.072 χ^2/NDF:2622104.3/27

All: 374.614+/-0.052 χ^2/NDF: 4847666.4/51

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: -129.266+/-131.868 χ^2/NDF:10.1/7

Left: -240.762+/-93.219 χ^2/NDF: 29.4/16

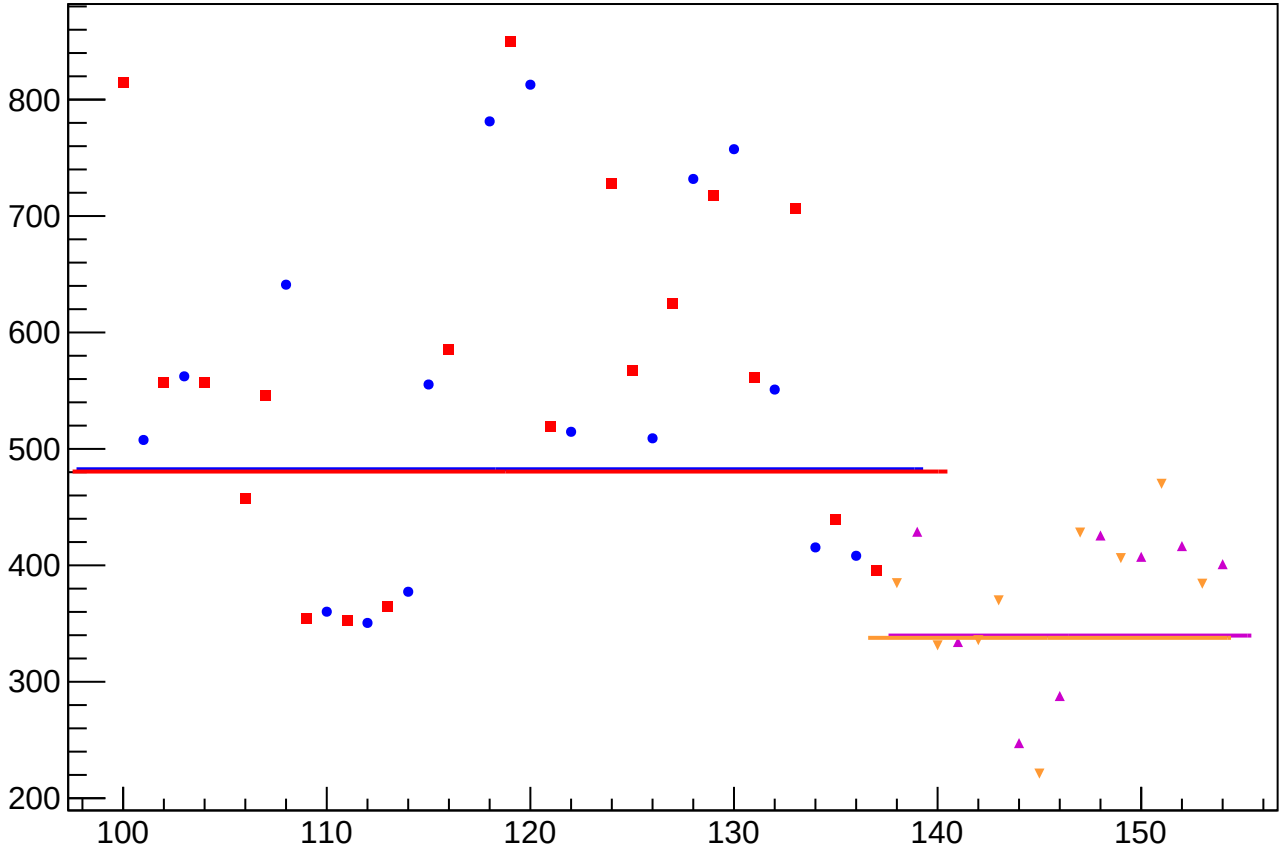
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -171.769+/-107.664 χ^2/NDF:37.4/23

Out: -98.725+/-106.819 χ^2/NDF:42.8/27

All: -134.959+/-75.829 χ^2/NDF: 80.4/51

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: 339.684+/-0.093 χ^2/NDF:586140.8/7

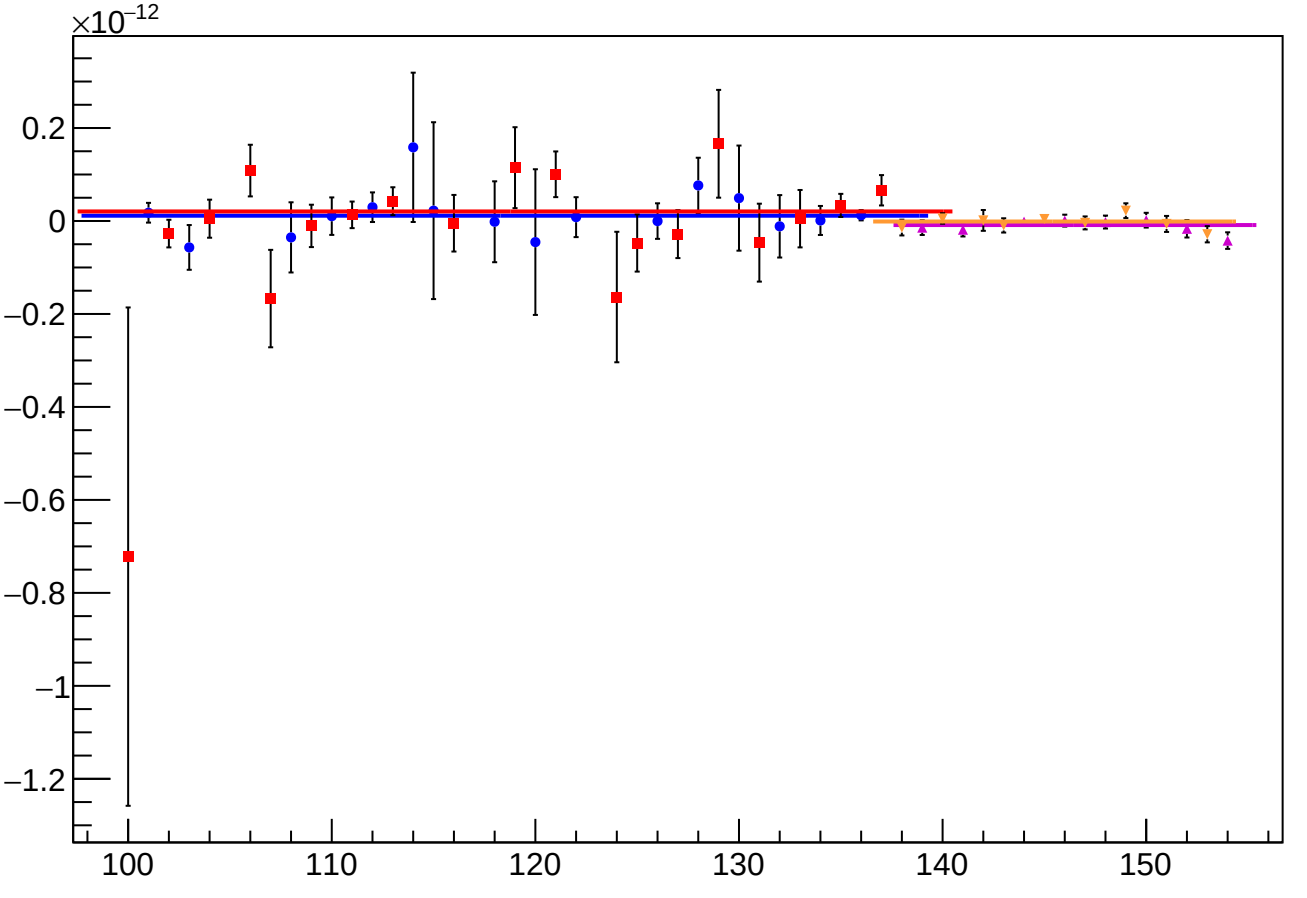
Left: 338.712+/-0.066 χ^2/NDF: 1338237.0/16

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 387.303+/-0.076 χ^2/NDF:2314919.2/23

Out: 386.742+/-0.076 χ^2/NDF:2551468.3/27

All: 387.020+/-0.054 χ^2/NDF: 4866414.8/51



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:6.0/7

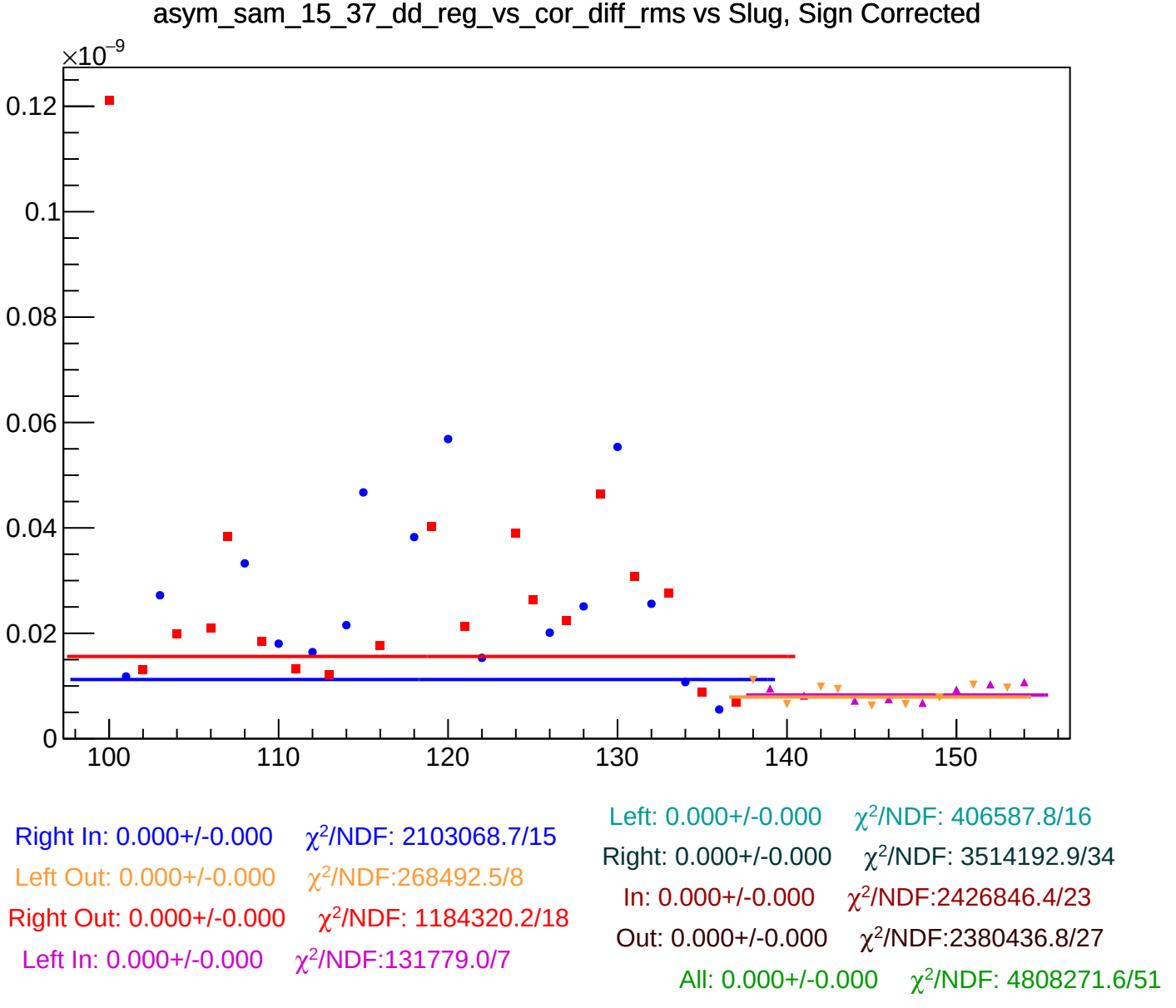
Left: -0.000+/-0.000 χ^2/NDF: 13.4/16

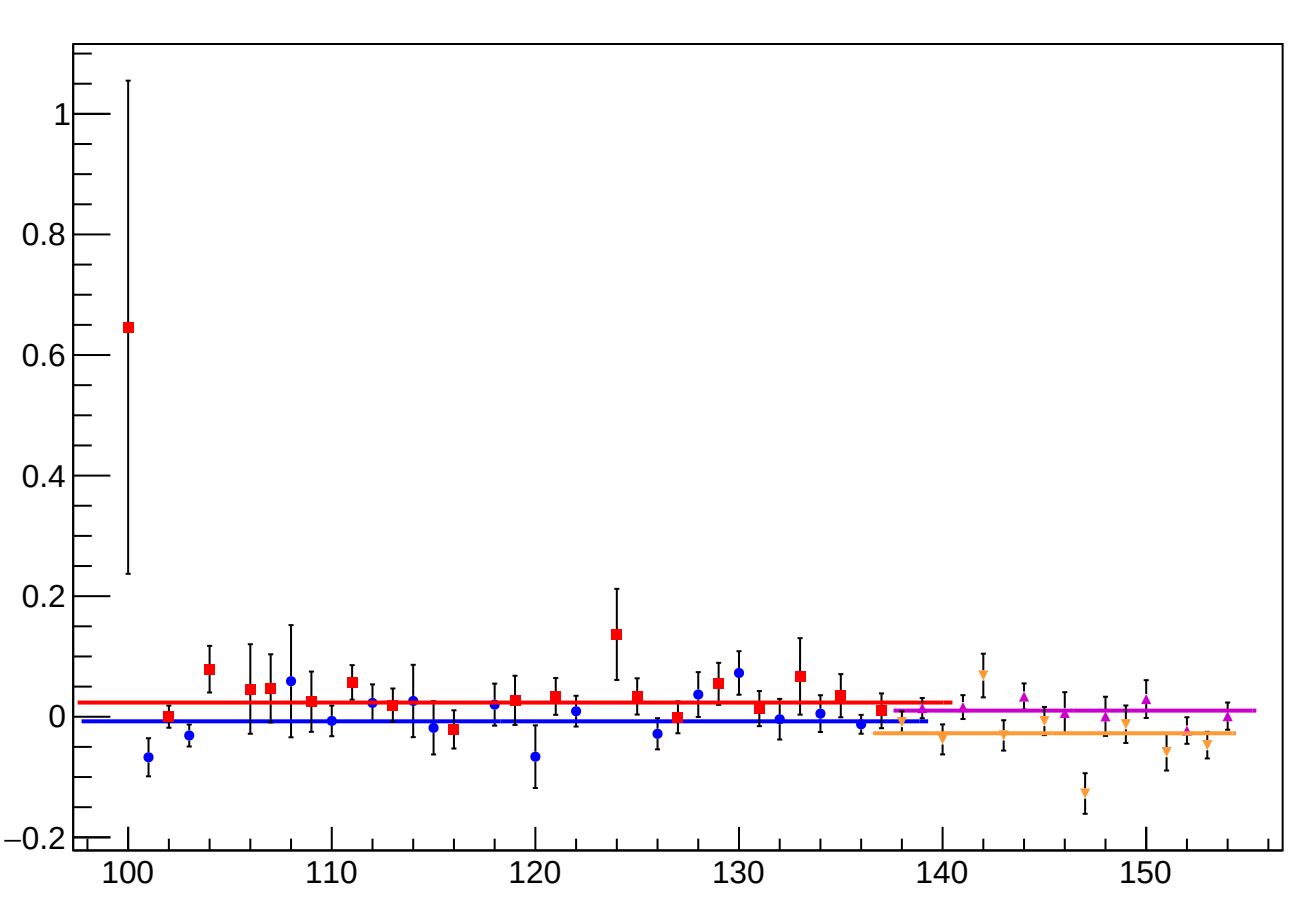
Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:15.9/23

Out: 0.000+/-0.000 χ^2/NDF:33.7/27

All: -0.000+/-0.000 χ^2/NDF: 50.4/51


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:268492.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:131779.0/7
Left: 0.000+/-0.000 χ²/NDF: 406587.8/16
Right: 0.000+/-0.000 χ²/NDF: 3514192.9/34
In: 0.000+/-0.000 χ²/NDF:2426846.4/23
Out: 0.000+/-0.000 χ²/NDF:2380436.8/27
All: 0.000+/-0.000 χ²/NDF: 4808271.6/51



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: 0.010+/-0.008 χ^2/NDF:4.2/7

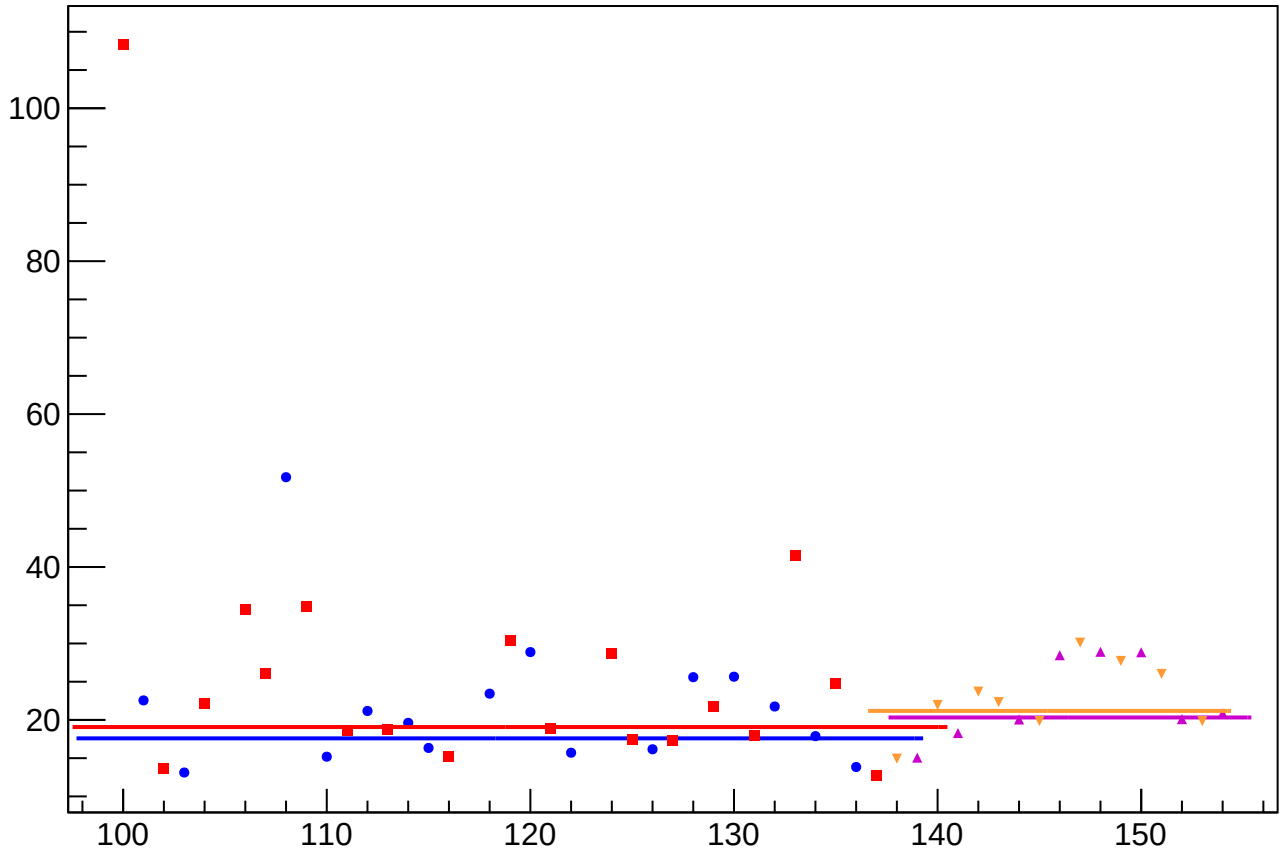
Left: -0.008+/-0.006 χ^2/NDF: 34.3/16

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.005 χ^2/NDF:23.6/23

Out: 0.000+/-0.006 χ^2/NDF:54.3/27

All: 0.000+/-0.004 χ^2/NDF: 77.9/51



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: 20.323+/-0.006 χ^2/NDF:618008.6/7

Left: 20.737+/-0.004 χ^2/NDF: 1183032.8/16

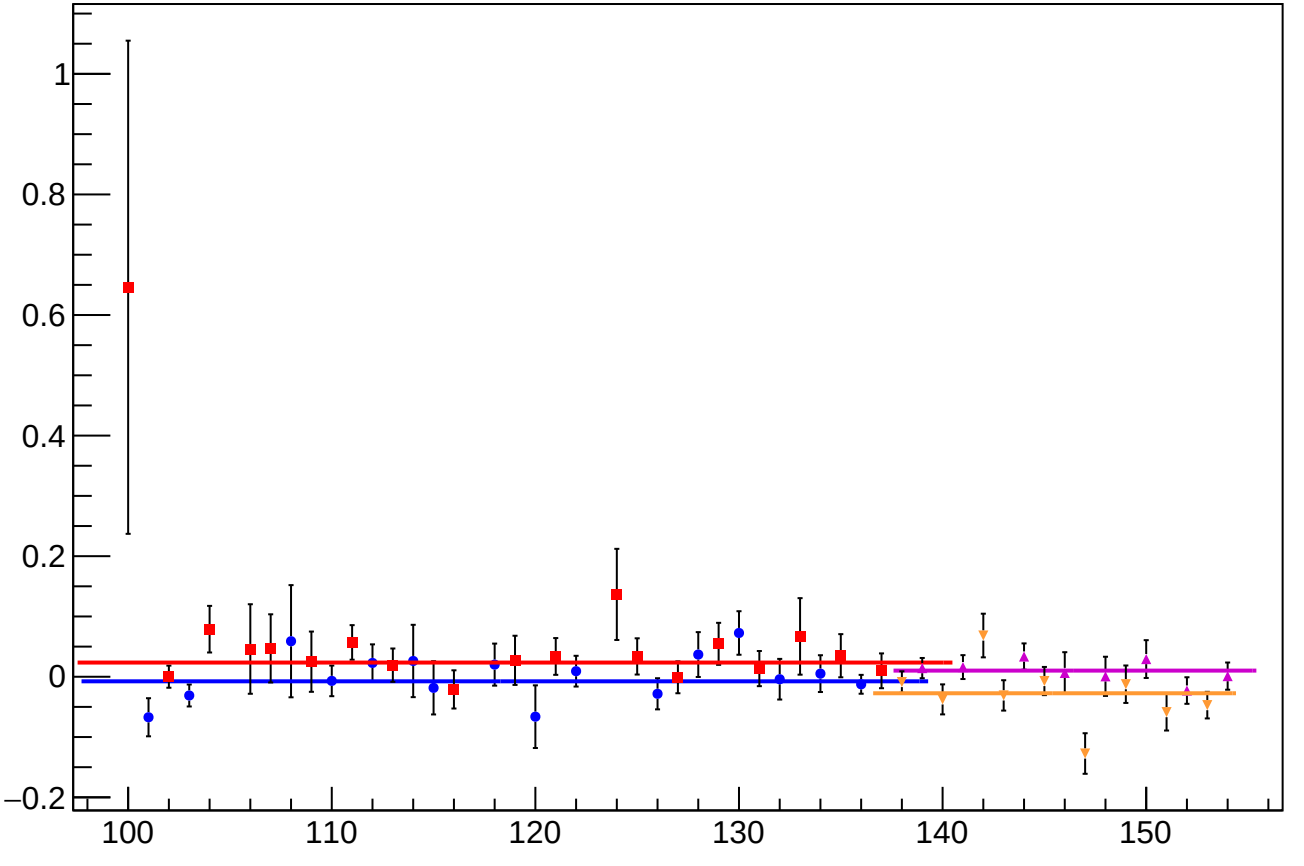
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.788+/-0.004 χ^2/NDF:1737397.9/23

Out: 20.034+/-0.004 χ^2/NDF:1870031.8/27

All: 19.376+/-0.003 χ^2/NDF: 3657687.4/51

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: 0.010+/-0.008 χ^2/NDF:4.2/7

Left: -0.008+/-0.006 χ^2/NDF: 34.3/16

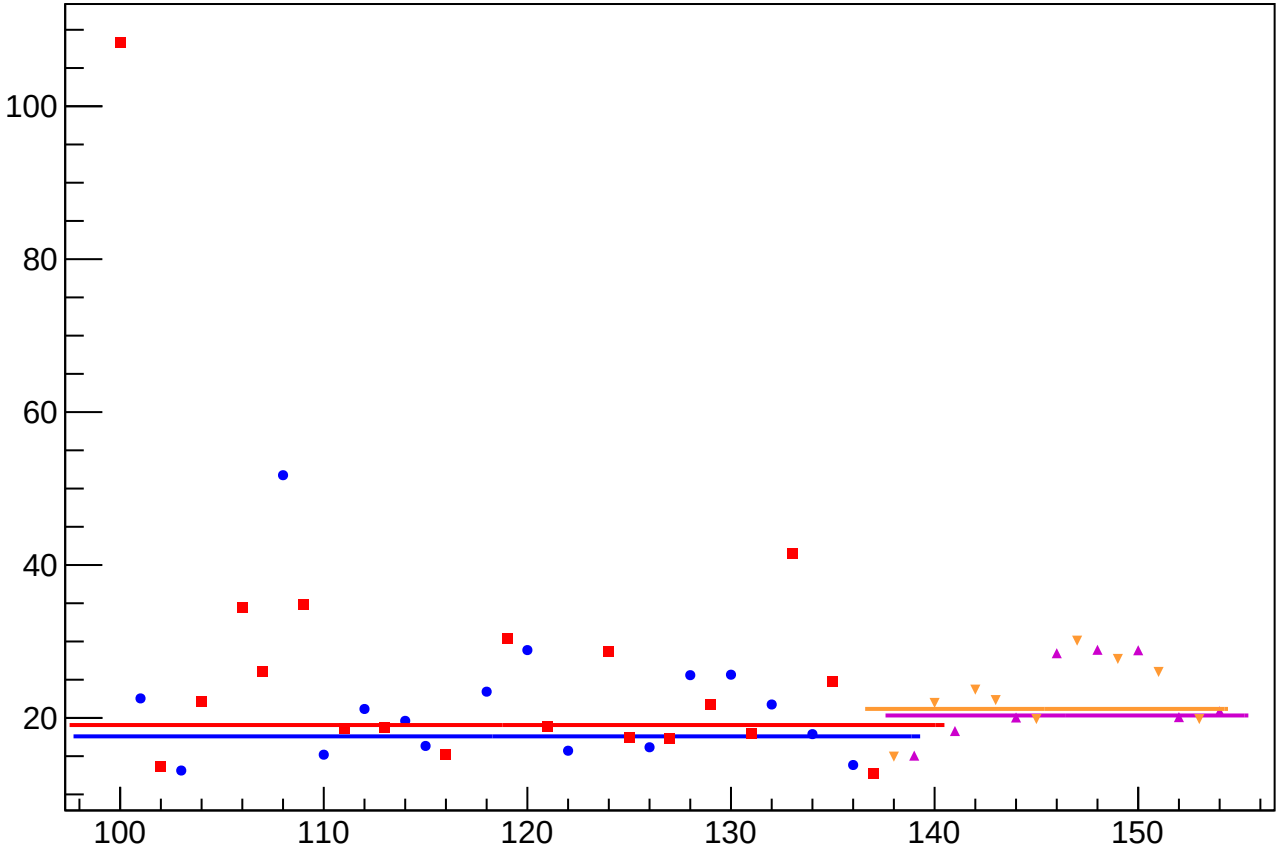
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.005 χ^2/NDF:23.6/23

Out: 0.000+/-0.006 χ^2/NDF:54.3/27

All: 0.000+/-0.004 χ^2/NDF: 77.9/51

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: 20.323+/-0.006 χ^2/NDF:618008.6/7

Left: 20.737+/-0.004 χ^2/NDF: 1183032.8/16

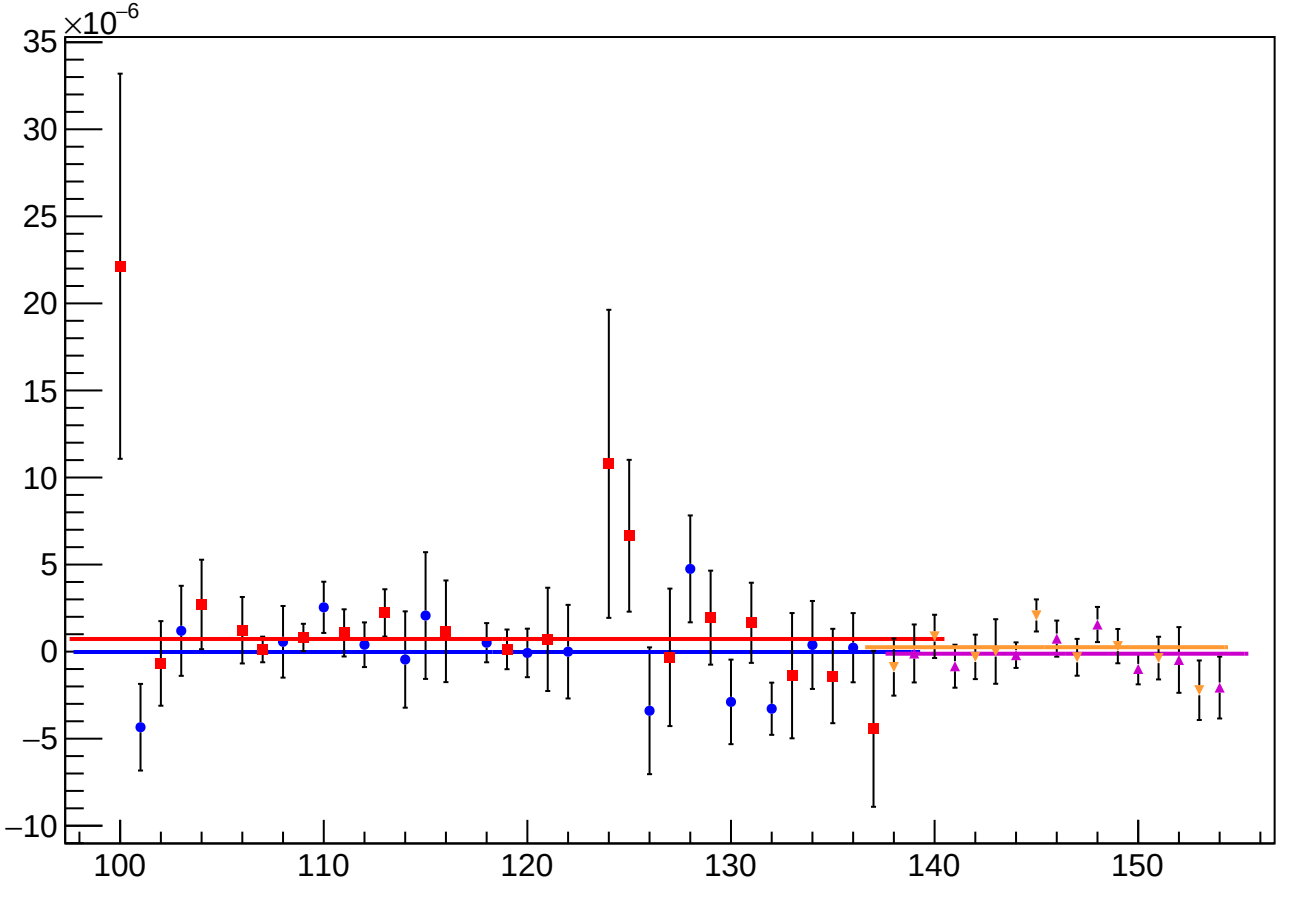
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.788+/-0.004 χ^2/NDF:1737397.9/23

Out: 20.034+/-0.004 χ^2/NDF:1870031.8/27

All: 19.376+/-0.003 χ^2/NDF: 3657687.4/51

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:6.0/7

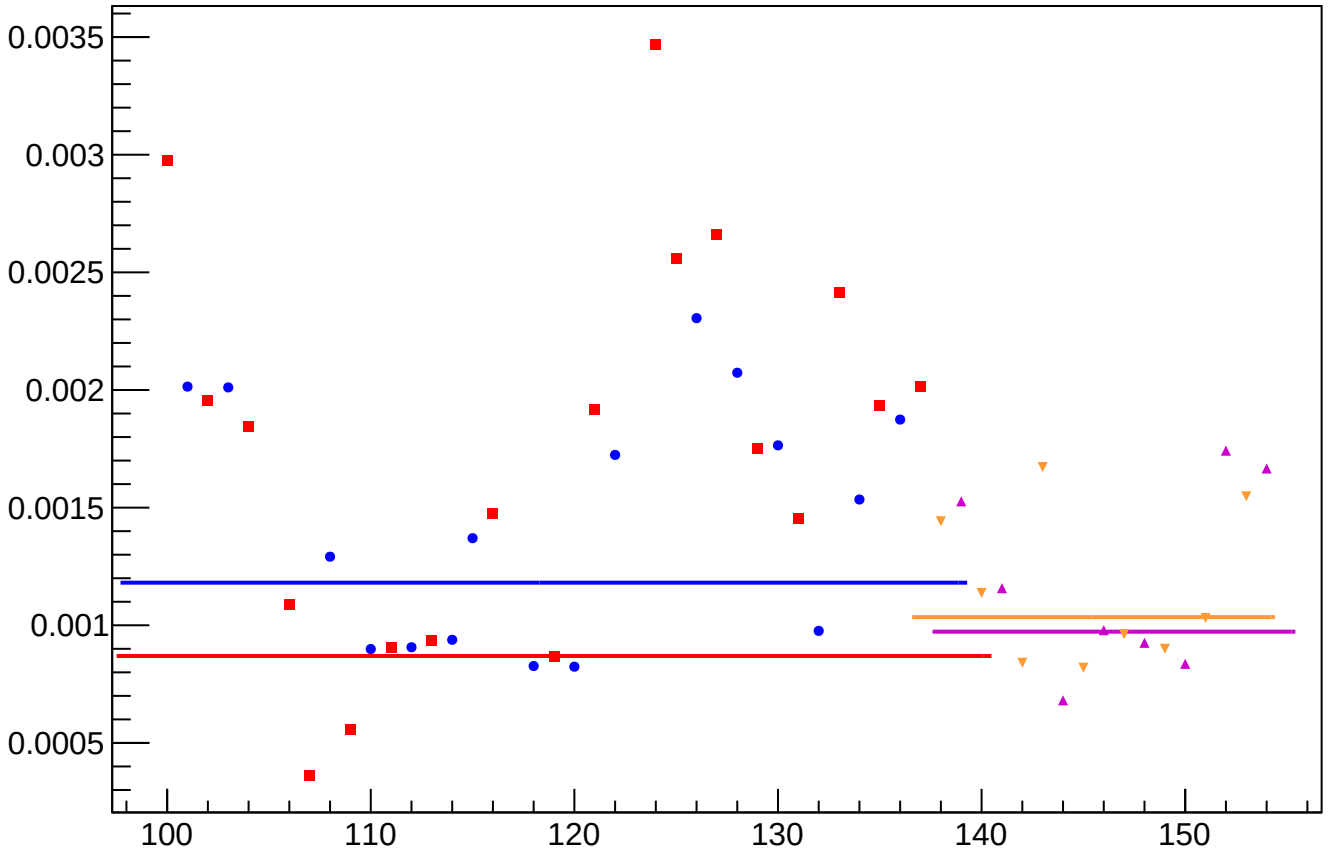
Left: 0.000+/-0.000 χ^2/NDF: 14.0/16

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:22.5/23

Out: 0.000+/-0.000 χ^2/NDF:21.1/27

All: 0.000+/-0.000 χ^2/NDF: 45.7/51



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:1271736.2/7

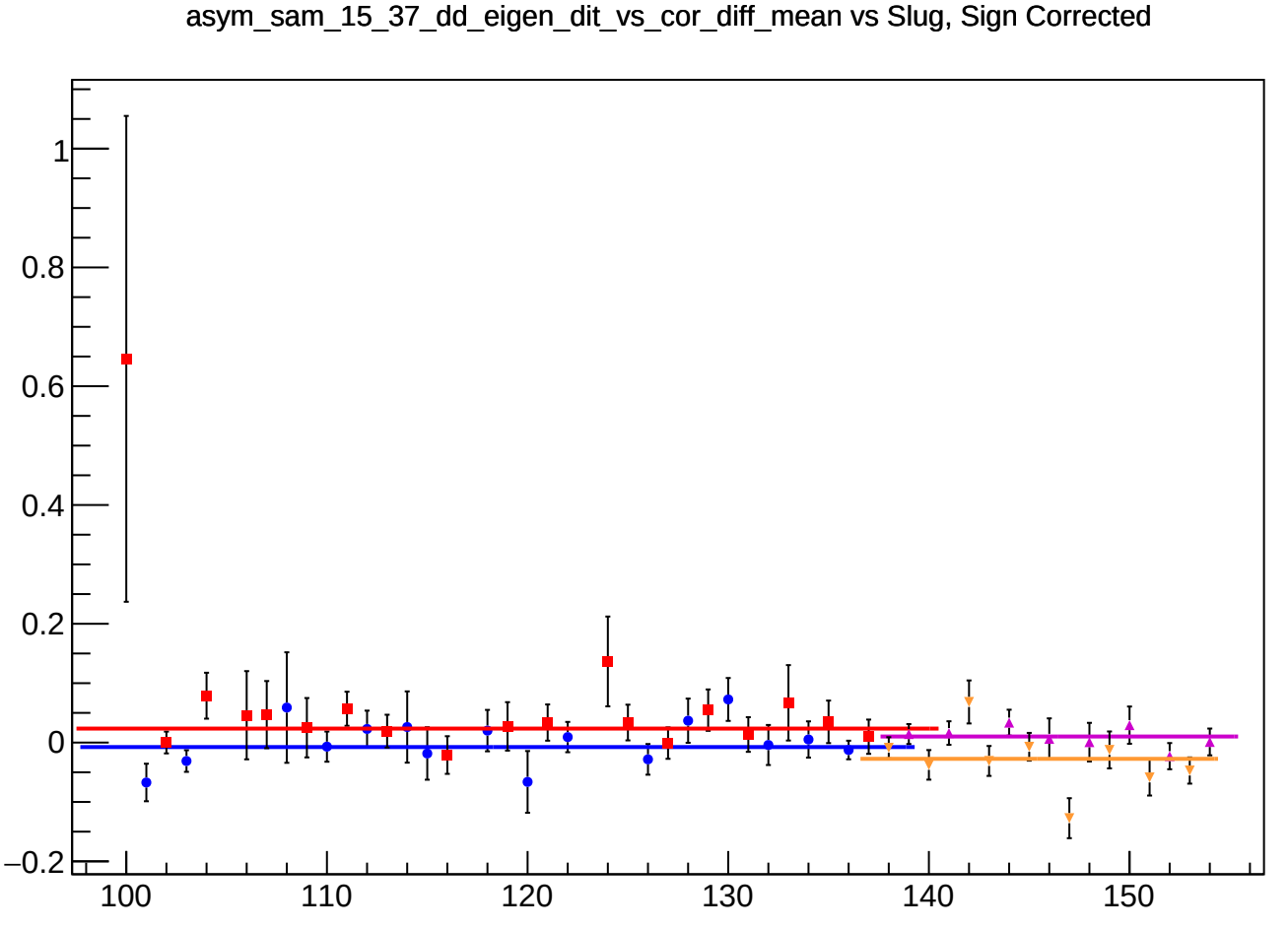
Left: 0.001+/-0.000 χ^2/NDF: 2051964.5/16

Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3332150.1/23

Out: 0.001+/-0.000 χ^2/NDF:5367009.7/27

All: 0.001+/-0.000 χ^2/NDF: 8843579.8/51



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: 0.010+/-0.008 χ^2/NDF:4.2/7

Left: -0.008+/-0.006 χ^2/NDF: 34.4/16

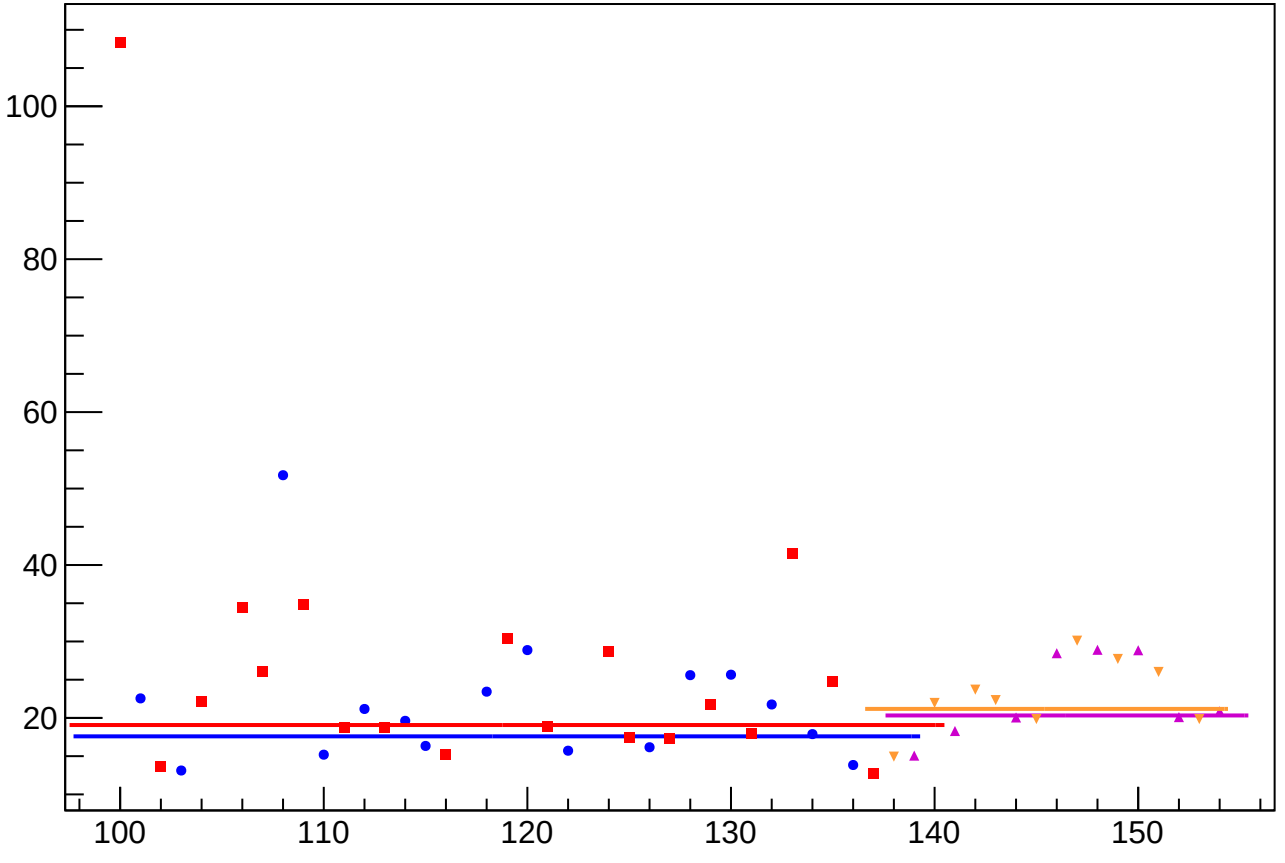
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.005 χ^2/NDF:23.6/23

Out: 0.000+/-0.006 χ^2/NDF:54.3/27

All: 0.000+/-0.004 χ^2/NDF: 77.9/51

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: 20.324+/-0.006 χ^2/NDF:617969.6/7

Left: 20.737+/-0.004 χ^2/NDF: 1182973.6/16

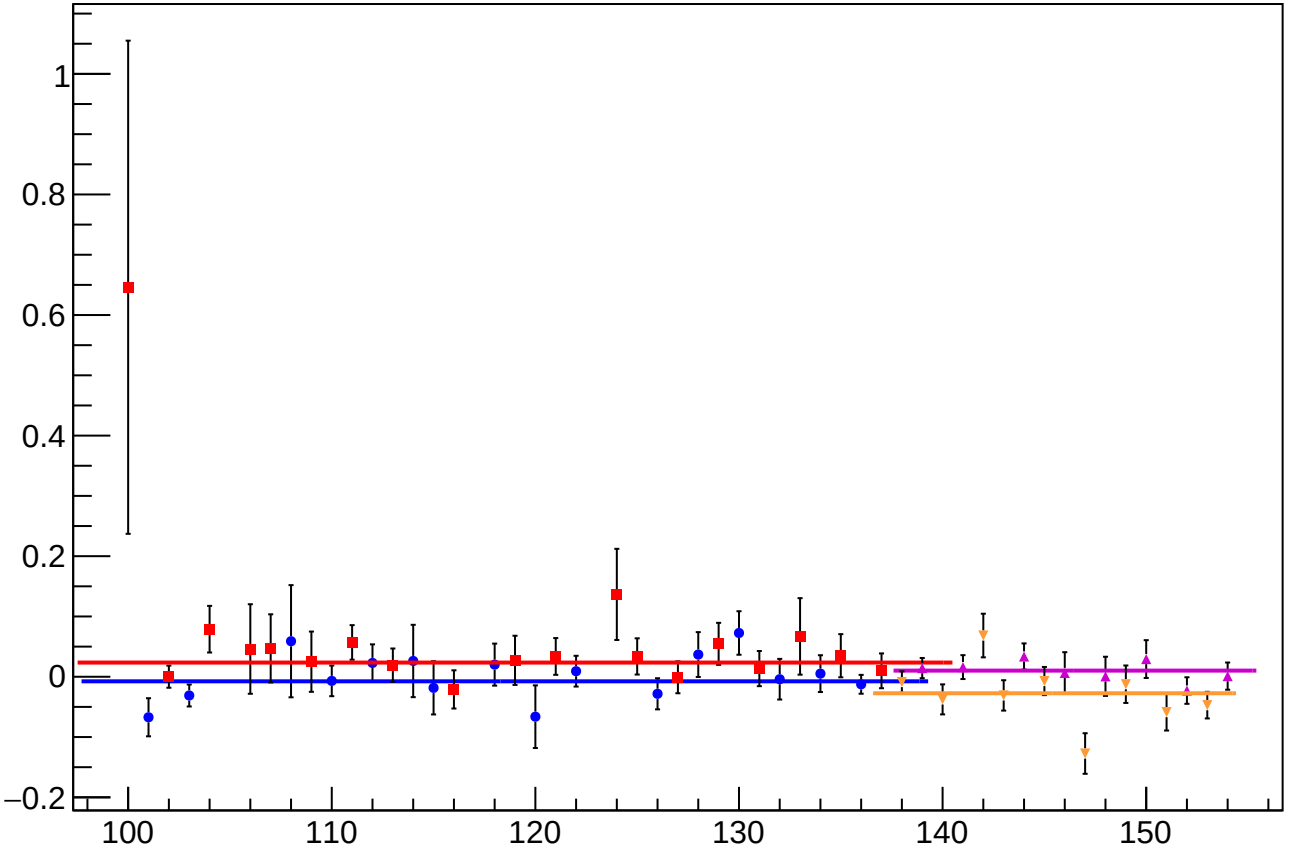
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.788+/-0.004 χ^2/NDF:1737420.4/23

Out: 20.034+/-0.004 χ^2/NDF:1869926.1/27

All: 19.376+/-0.003 χ^2/NDF: 3657614.1/51

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: 0.010+/-0.008 χ^2/NDF:4.2/7

Left: -0.008+/-0.006 χ^2/NDF: 34.4/16

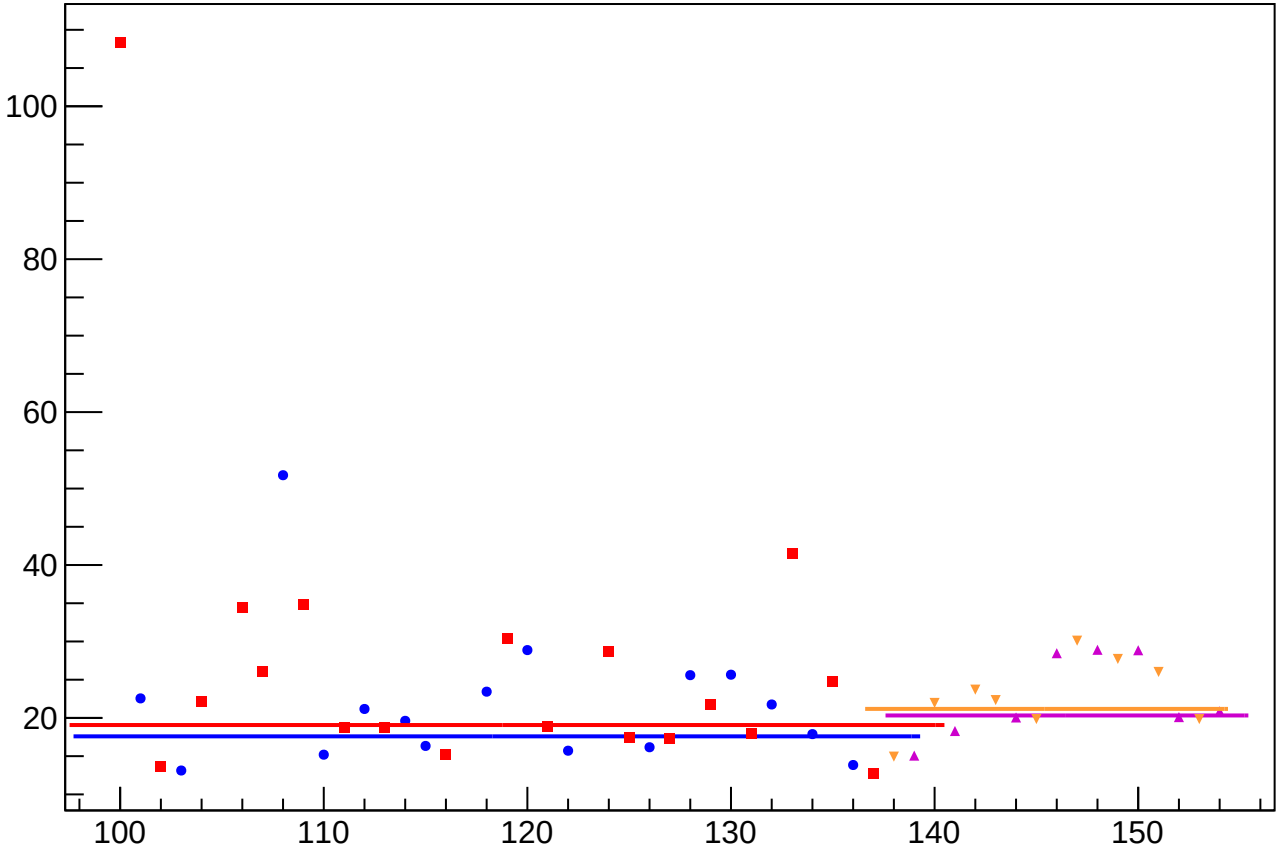
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.005 χ^2/NDF:23.6/23

Out: 0.000+/-0.006 χ^2/NDF:54.3/27

All: 0.000+/-0.004 χ^2/NDF: 77.9/51

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: 20.324+/-0.006 χ^2/NDF:617969.6/7

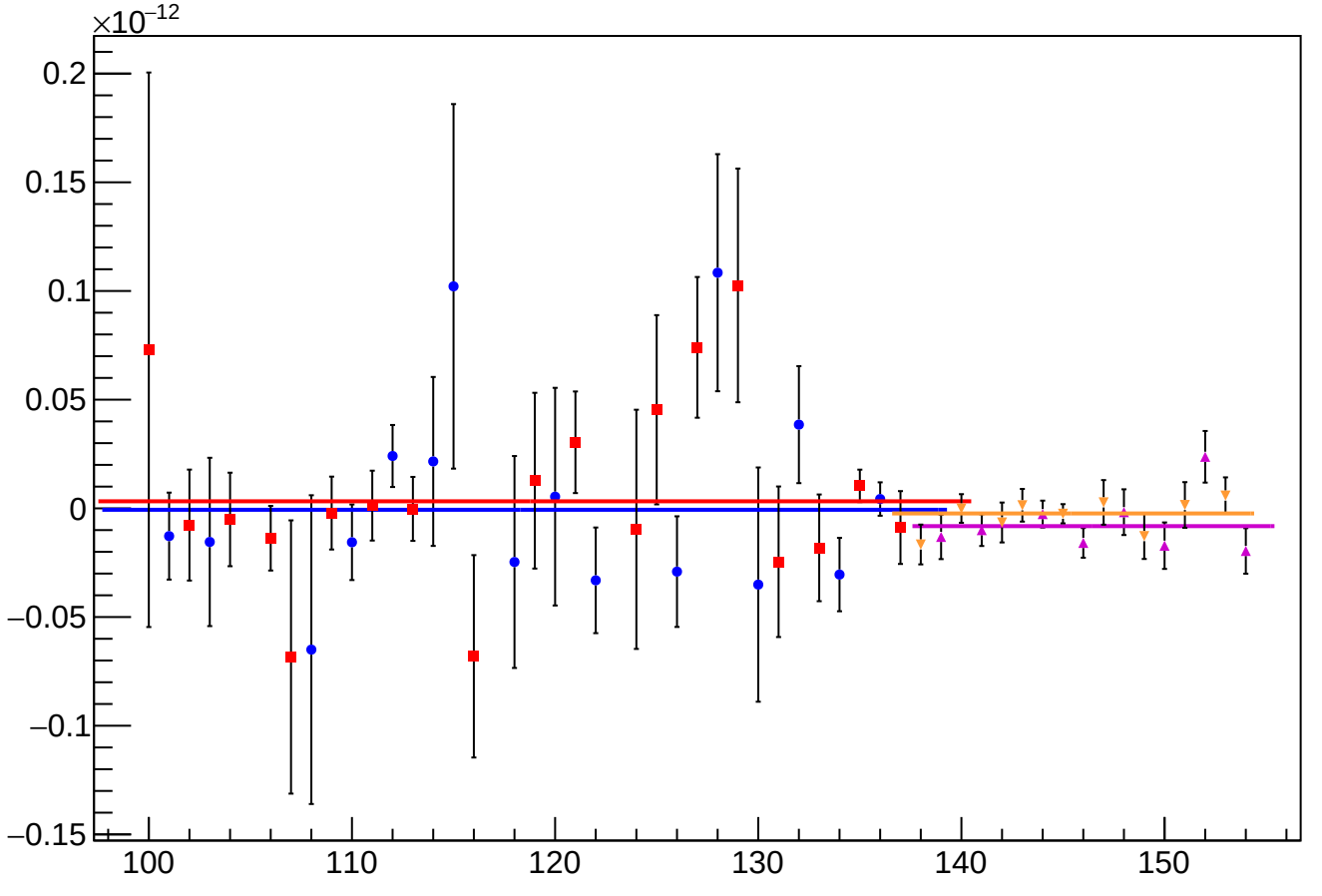
Left: 20.737+/-0.004 χ^2/NDF: 1182973.6/16

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.788+/-0.004 χ^2/NDF:1737420.4/23

Out: 20.034+/-0.004 χ^2/NDF:1869926.1/27

All: 19.376+/-0.003 χ^2/NDF: 3657614.1/51



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:11.9/7

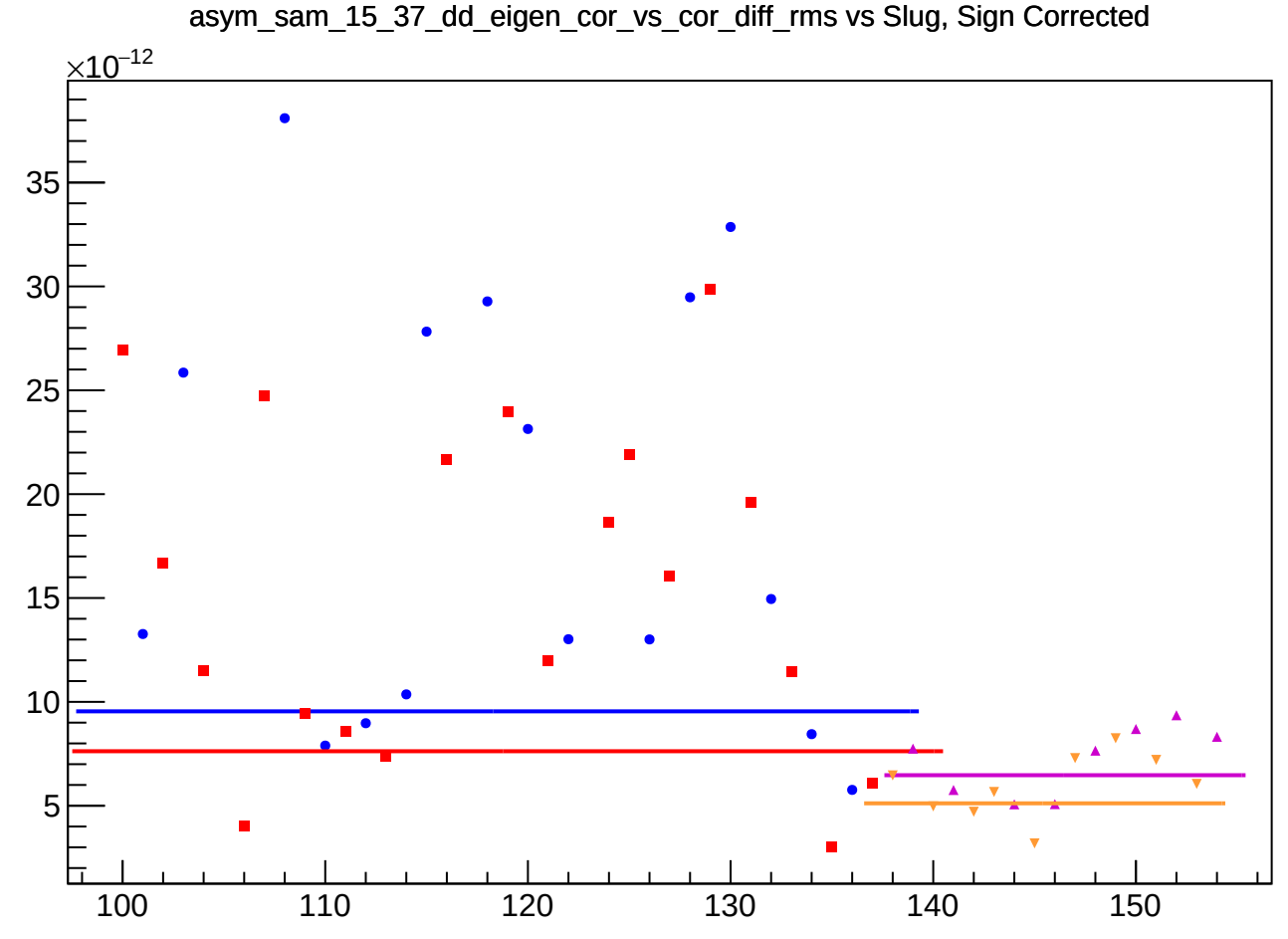
Left: -0.000+/-0.000 χ^2/NDF: 19.4/16

Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:33.7/23

Out: -0.000+/-0.000 χ^2/NDF:25.7/27

All: -0.000+/-0.000 χ^2/NDF: 61.8/51



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:528427.9/7

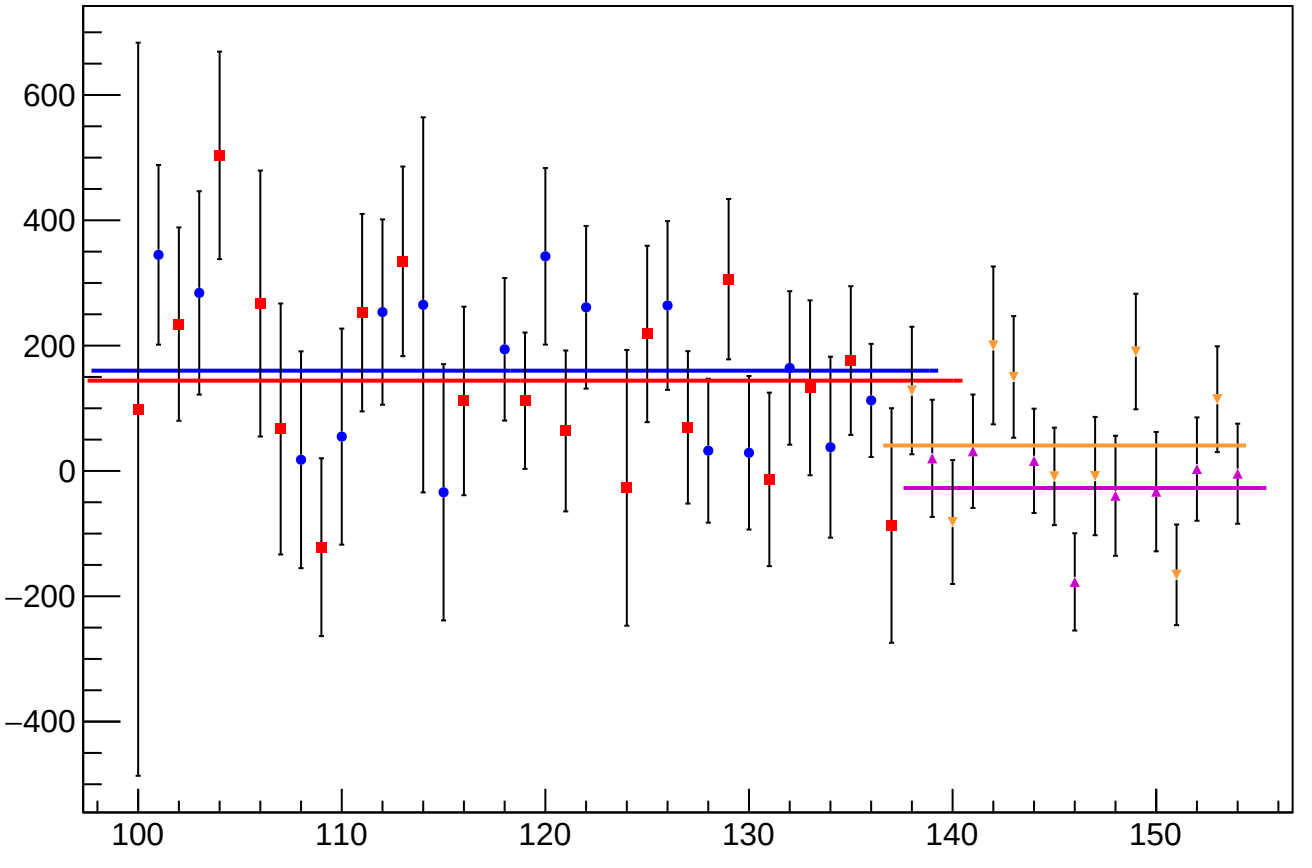
Left: 0.000+/-0.000 χ^2/NDF: 1577153.0/16

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:3704544.0/23

Out: 0.000+/-0.000 χ^2/NDF:4372602.5/27

All: 0.000+/-0.000 χ^2/NDF: 8497360.6/51



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: -27.228+/-30.573 χ^2/NDF:4.9/7

Left: 6.516+/-21.677 χ^2/NDF: 23.2/16

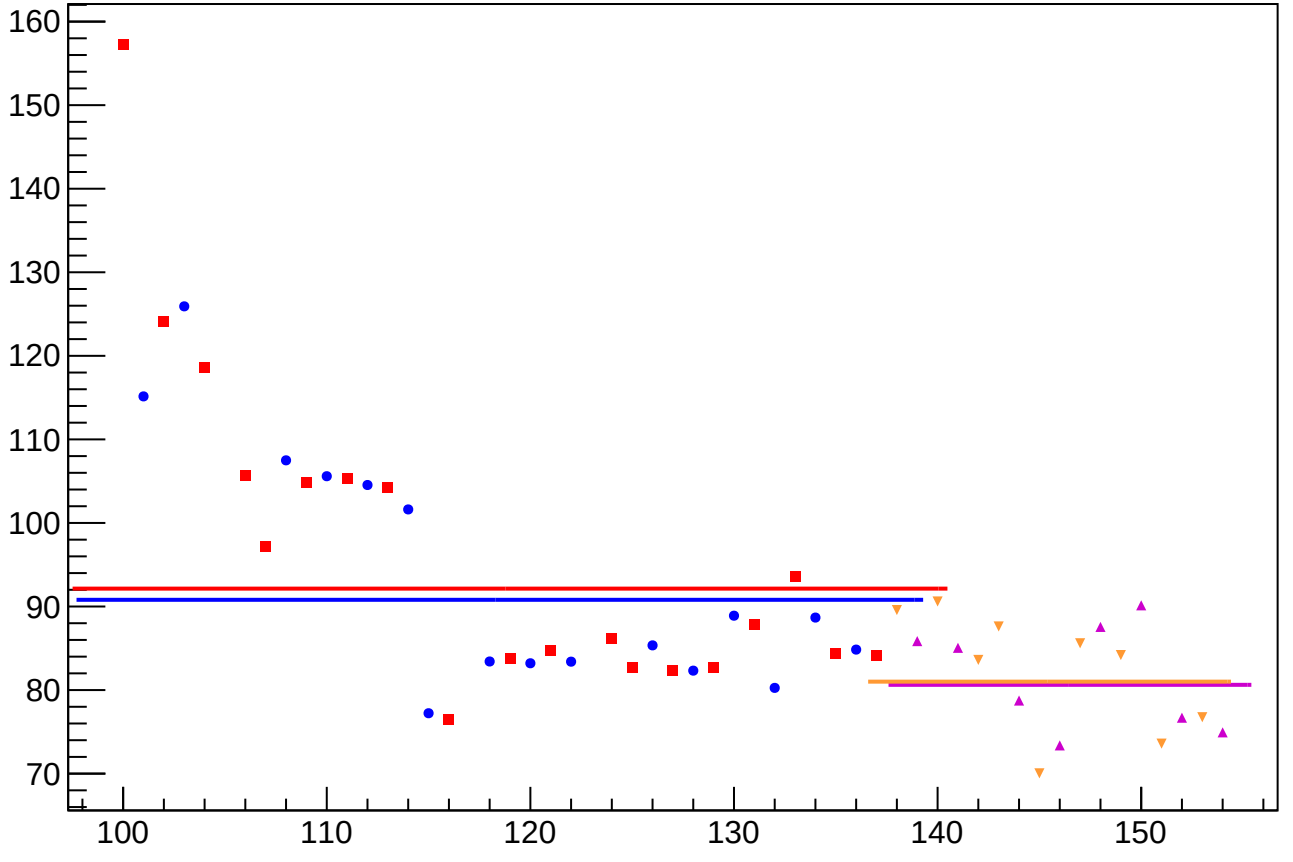
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 56.029+/-22.784 χ^2/NDF:32.7/23

Out: 86.854+/-22.866 χ^2/NDF:38.3/27

All: 71.386+/-16.140 χ^2/NDF: 71.9/51

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: 80.626+/-0.022 χ^2/NDF:74653.0/7

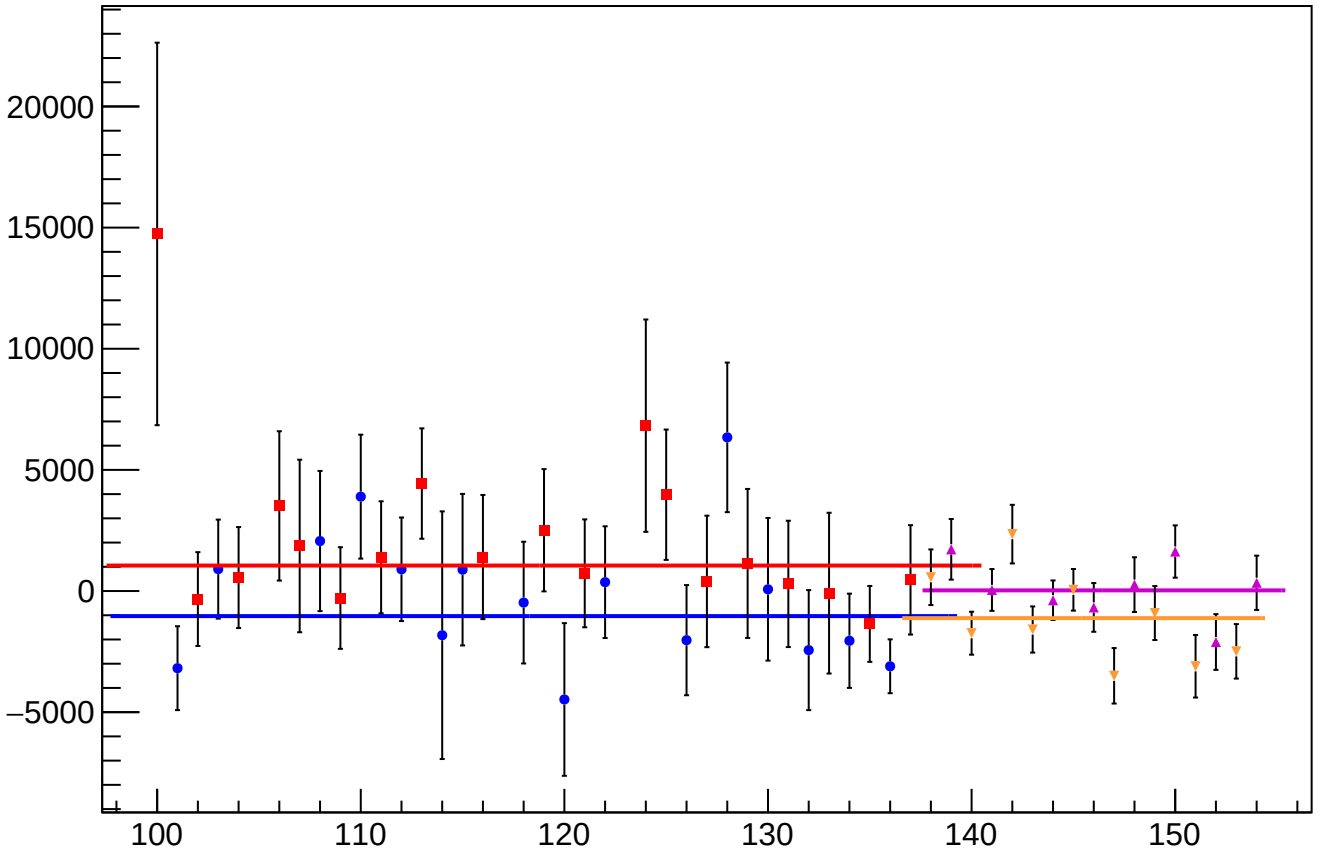
Left: 80.816+/-0.015 χ^2/NDF: 186987.6/16

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 85.151+/-0.016 χ^2/NDF:445910.8/23

Out: 85.981+/-0.016 χ^2/NDF:531396.2/27

All: 85.564+/-0.011 χ^2/NDF: 978630.1/51



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: 27.133+/-361.213 χ^2/NDF:8.3/7

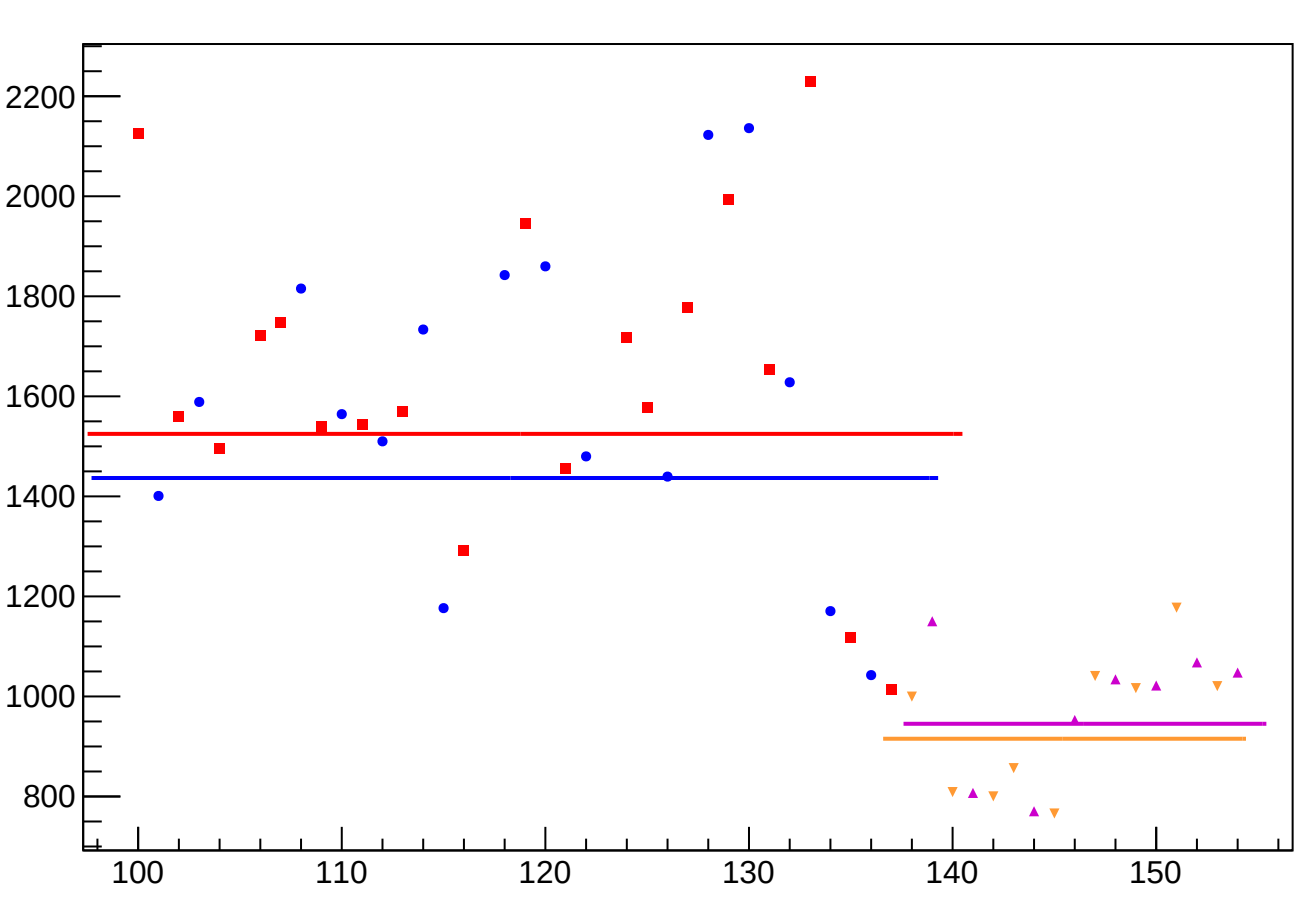
Left: -562.542+/-251.614 χ^2/NDF: 34.7/16

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -292.777+/-301.956 χ^2/NDF:31.2/23

Out: -520.918+/-298.533 χ^2/NDF:44.6/27

All: -408.148+/-212.295 χ^2/NDF: 76.1/51



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: 945.352+/-0.255 χ^2/NDF:258775.5/7

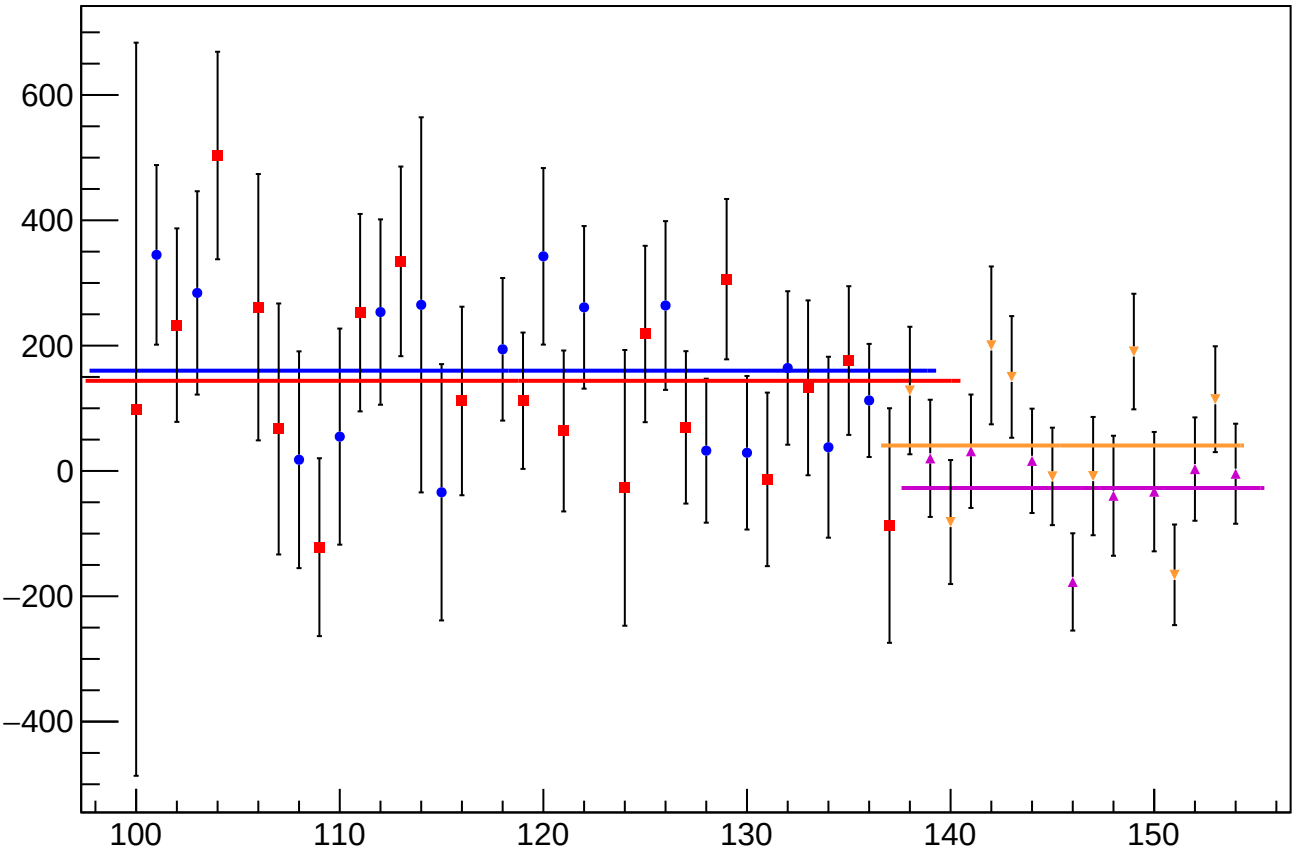
Left: 929.957+/-0.178 χ^2/NDF: 532252.5/16

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1093.350+/-0.214 χ^2/NDF:2049198.1/23

Out: 1083.264+/-0.211 χ^2/NDF:2434413.4/27

All: 1088.250+/-0.150 χ^2/NDF: 4484739.8/51


cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
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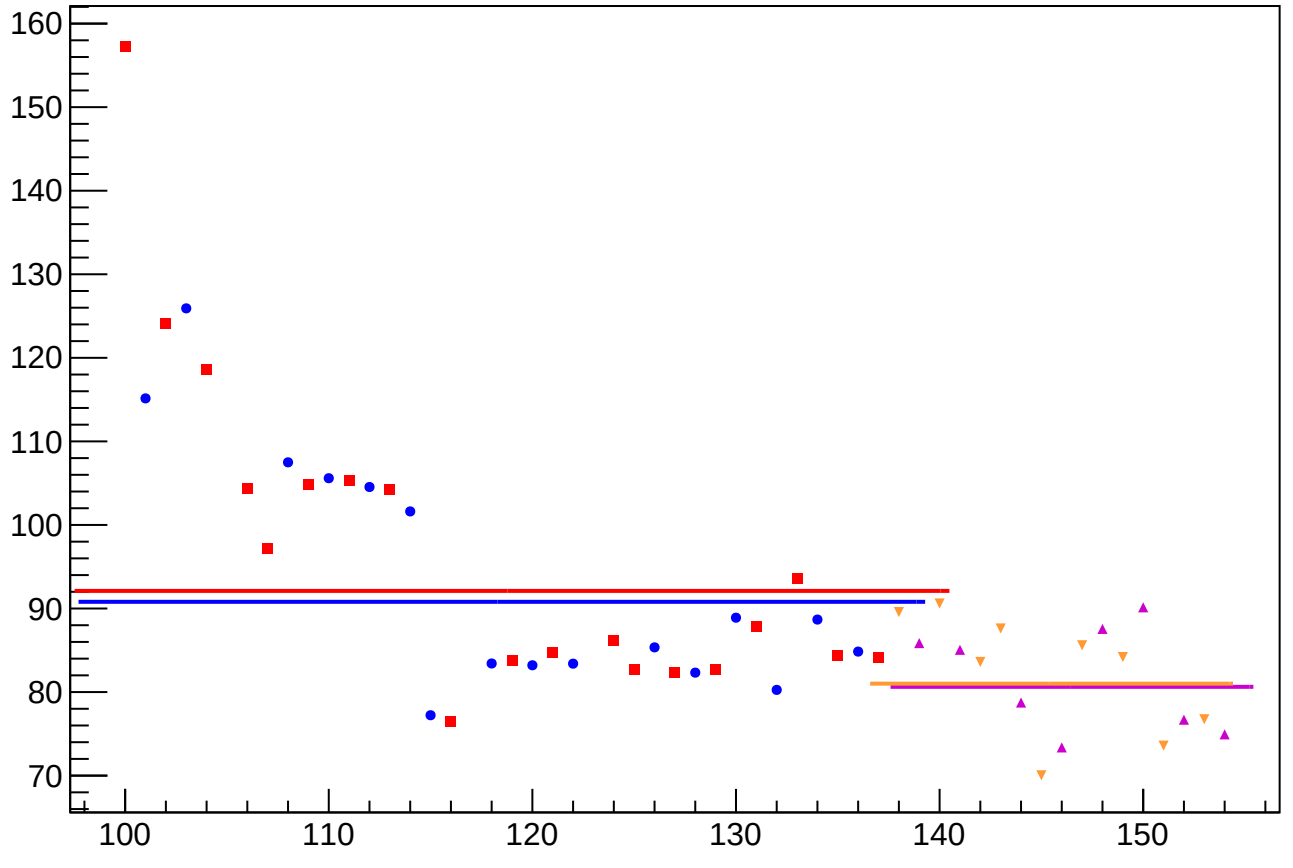
120
130
140
150
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: 40.632+/-30.740 χ²/NDF:15.8/8
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -27.229+/-30.573 χ²/NDF:4.9/7
Left: 6.517+/-21.677 χ²/NDF: 23.2/16
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 56.026+/-22.784 χ²/NDF:32.7/23
Out: 86.739+/-22.867 χ²/NDF:38.2/27
All: 71.327+/-16.140 χ²/NDF: 71.8/51



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: 80.626+/-0.022 χ^2/NDF:74653.0/7

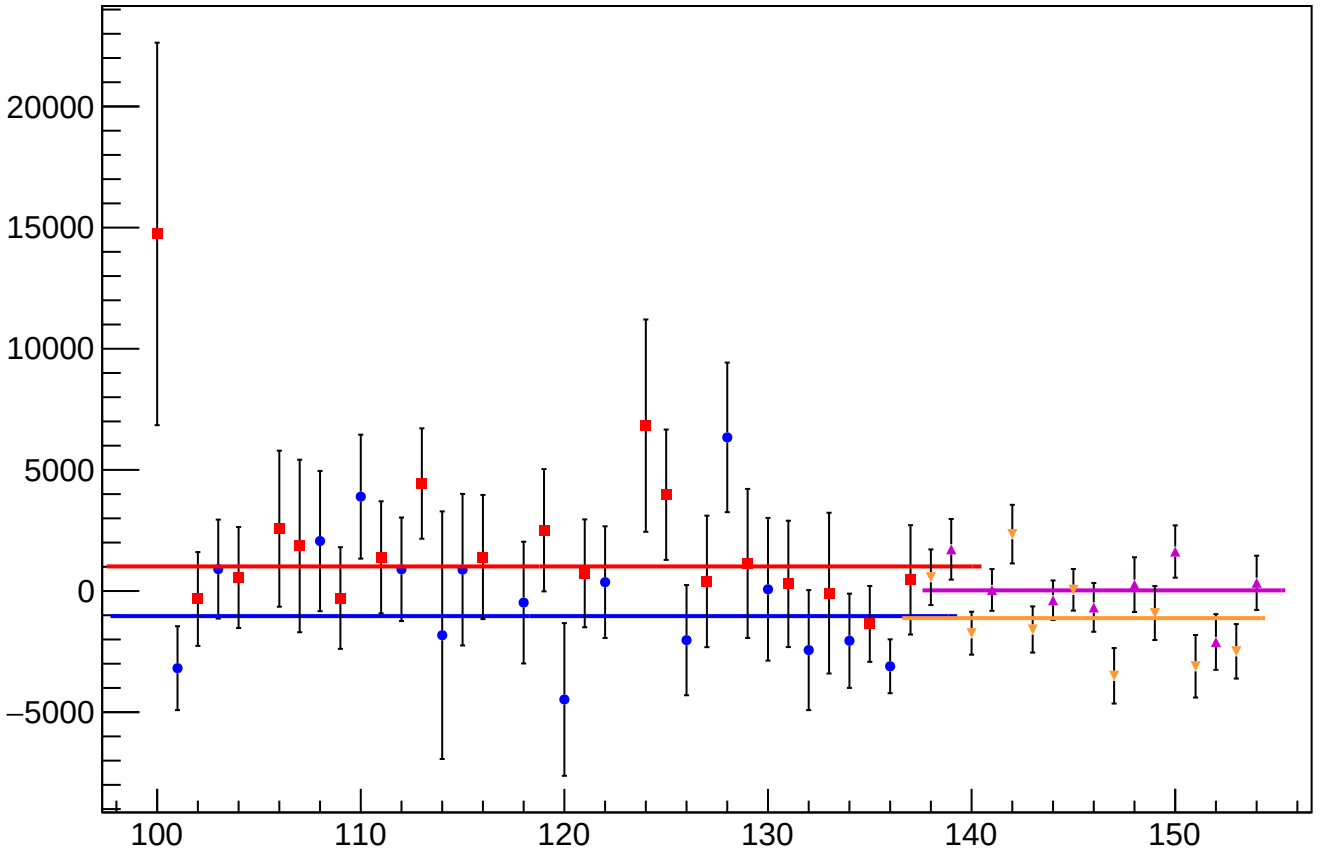
Left: 80.816+/-0.015 χ^2/NDF: 186987.6/16

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 85.151+/-0.016 χ^2/NDF:445912.7/23

Out: 85.966+/-0.016 χ^2/NDF:529428.4/27

All: 85.557+/-0.011 χ^2/NDF: 976616.4/51



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: 27.136+/-361.214 χ^2/NDF:8.3/7

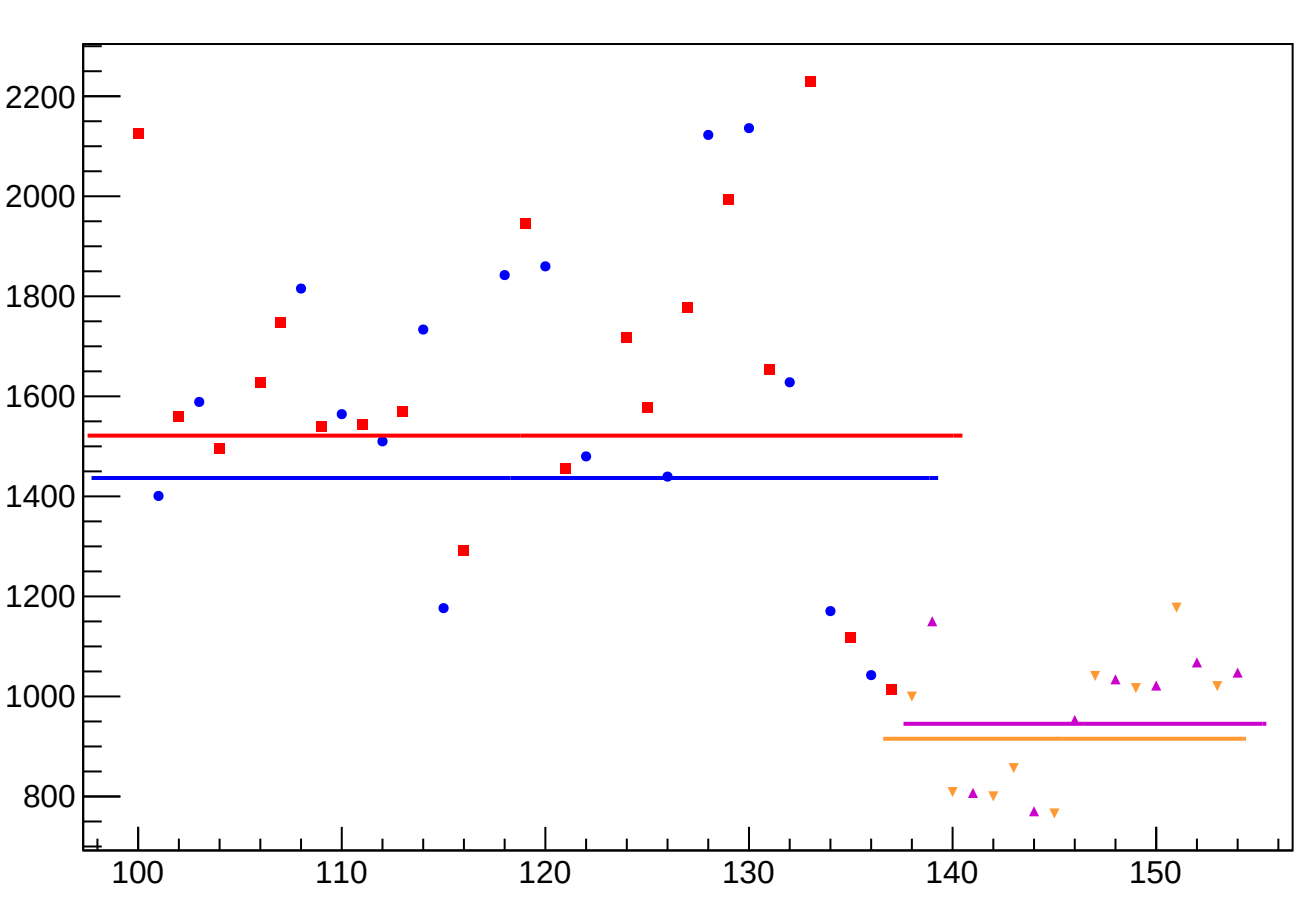
Left: -562.537+/-251.614 χ^2/NDF: 34.7/16

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -292.767+/-301.957 χ^2/NDF:31.2/23

Out: -532.114+/-298.654 χ^2/NDF:43.8/27

All: -413.757+/-212.338 χ^2/NDF: 75.3/51



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: 945.352+/-0.255 χ^2/NDF:258775.9/7

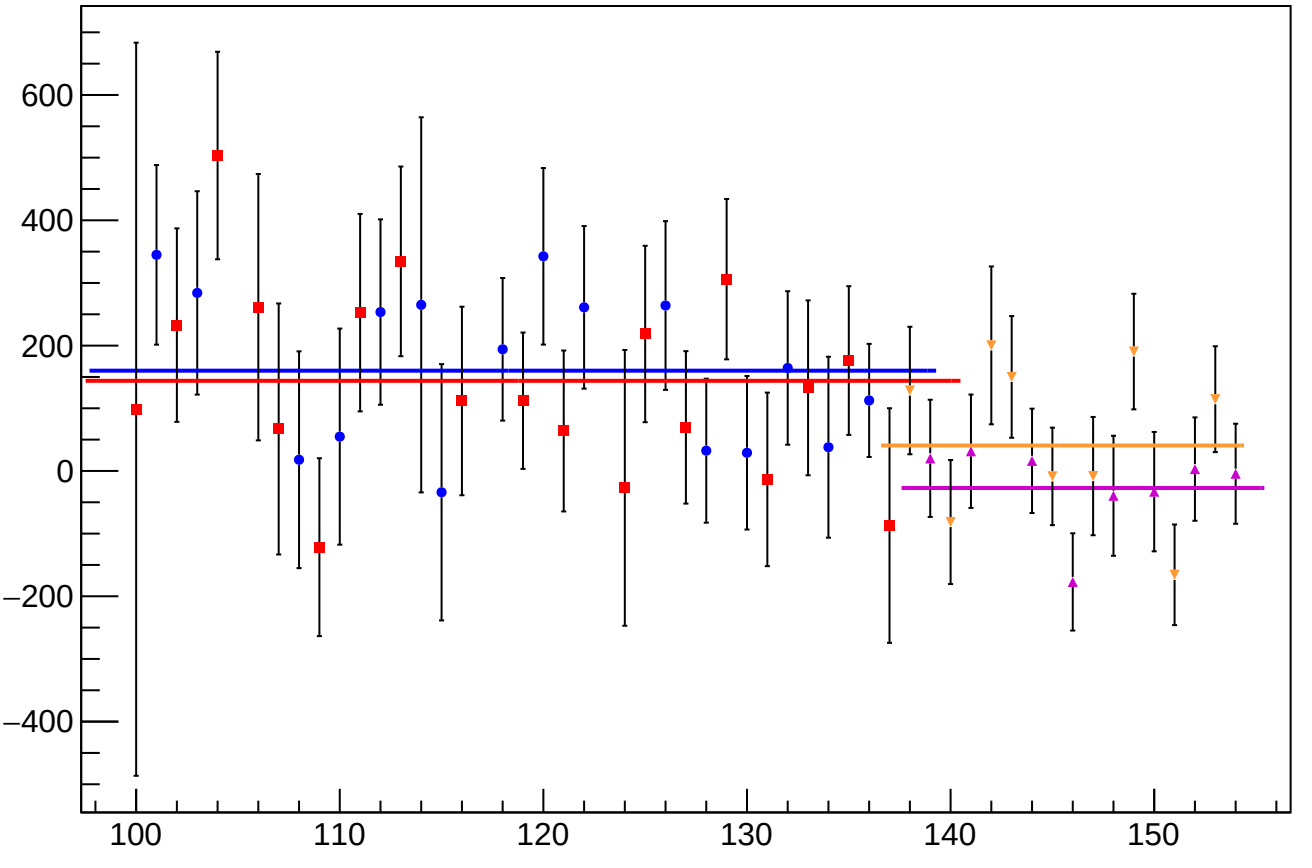
Left: 929.956+/-0.178 χ^2/NDF: 532253.8/16

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1093.351+/-0.214 χ^2/NDF:2049218.0/23

Out: 1081.956+/-0.211 χ^2/NDF:2405882.7/27

All: 1087.591+/-0.150 χ^2/NDF: 4456540.3/51


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
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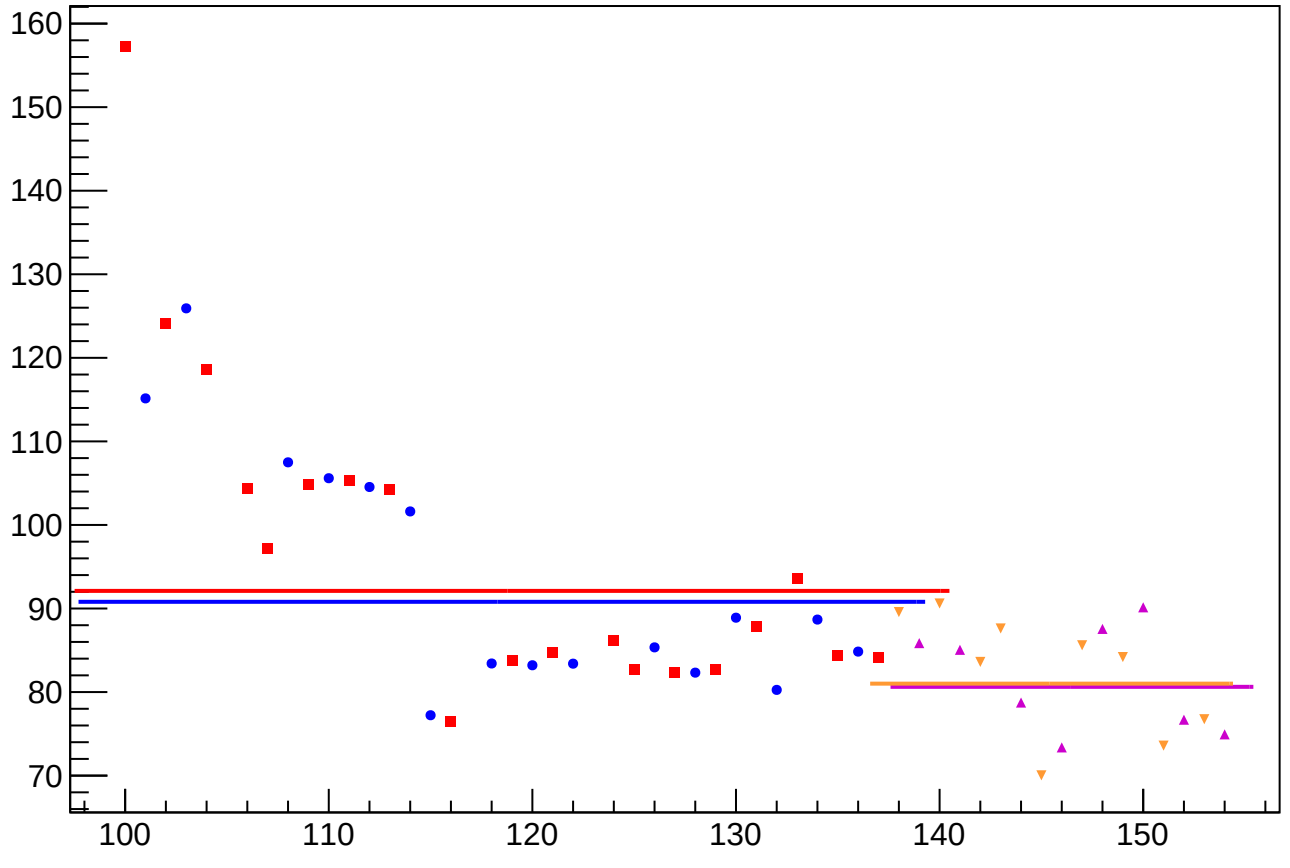
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: 40.632+/-30.740 χ²/NDF:15.8/8
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -27.229+/-30.573 χ²/NDF:4.9/7
Left: 6.517+/-21.677 χ²/NDF: 23.2/16
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 56.026+/-22.784 χ²/NDF:32.7/23
Out: 86.739+/-22.867 χ²/NDF:38.2/27
All: 71.327+/-16.140 χ²/NDF: 71.8/51



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: 80.626+/-0.022 χ^2/NDF:74653.0/7

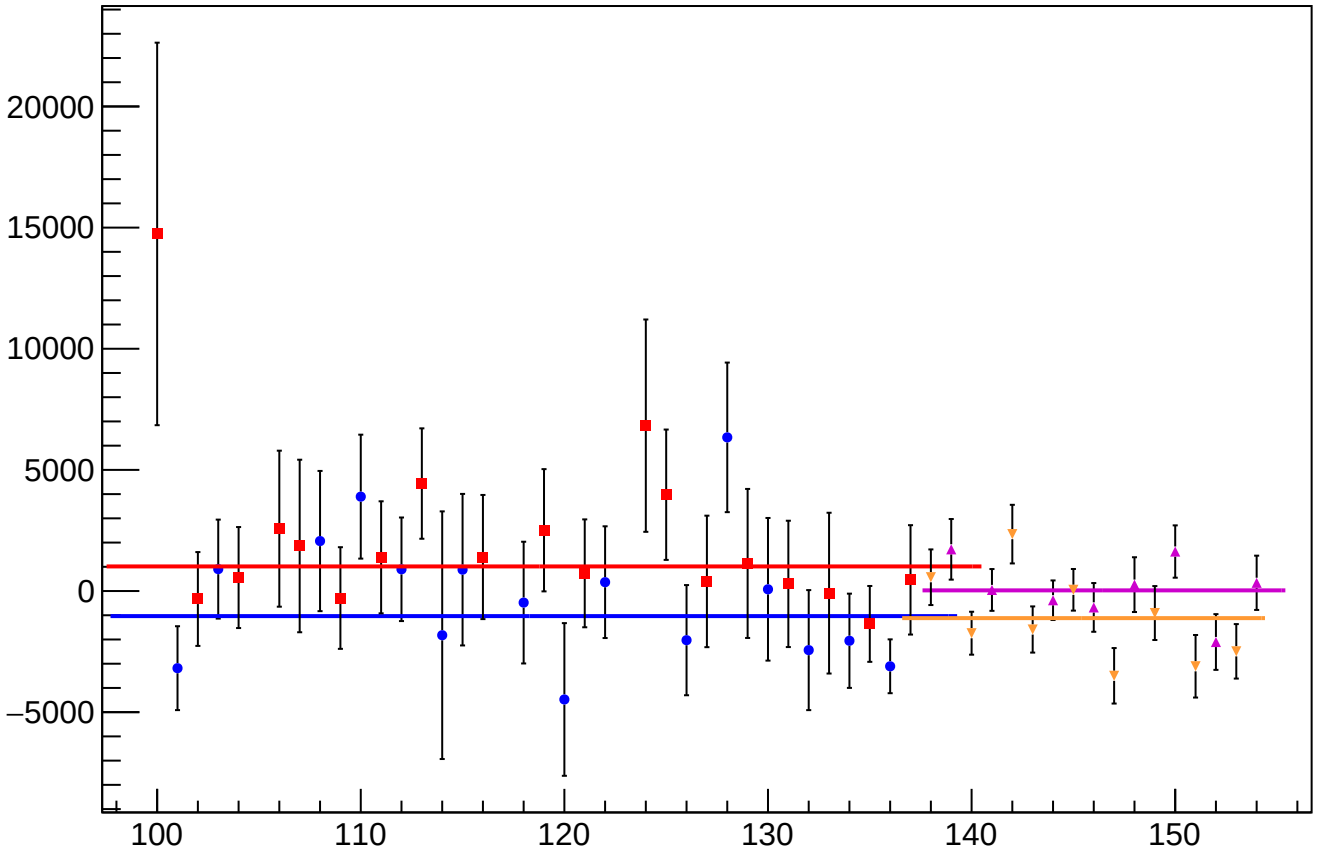
Left: 80.816+/-0.015 χ^2/NDF: 186987.6/16

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 85.151+/-0.016 χ^2/NDF:445912.7/23

Out: 85.966+/-0.016 χ^2/NDF:529428.4/27

All: 85.557+/-0.011 χ^2/NDF: 976616.4/51



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: 27.136+/-361.214 χ^2/NDF:8.3/7

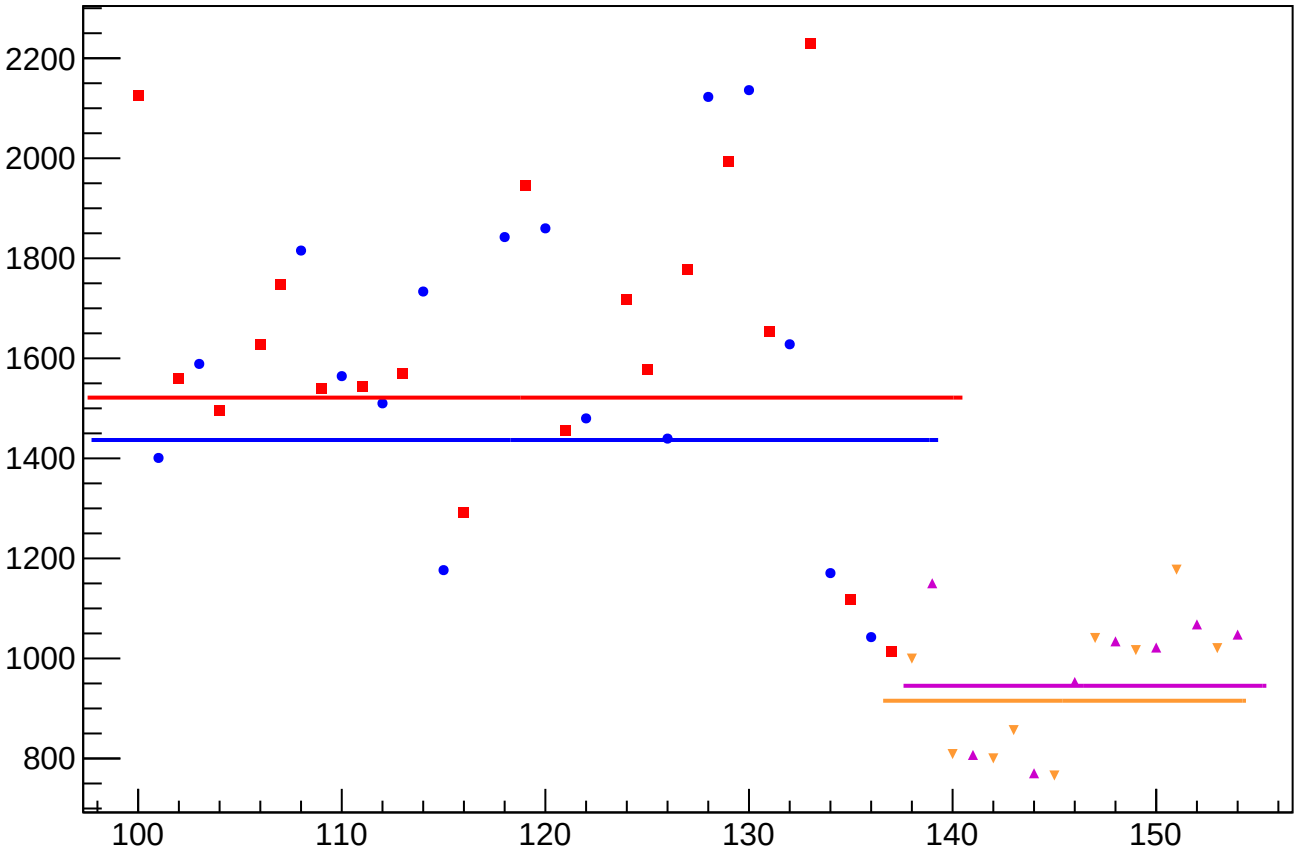
Left: -562.537+/-251.614 χ^2/NDF: 34.7/16

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -292.767+/-301.957 χ^2/NDF:31.2/23

Out: -532.114+/-298.654 χ^2/NDF:43.8/27

All: -413.757+/-212.338 χ^2/NDF: 75.3/51



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: 945.352+/-0.255 χ^2/NDF:258775.9/7

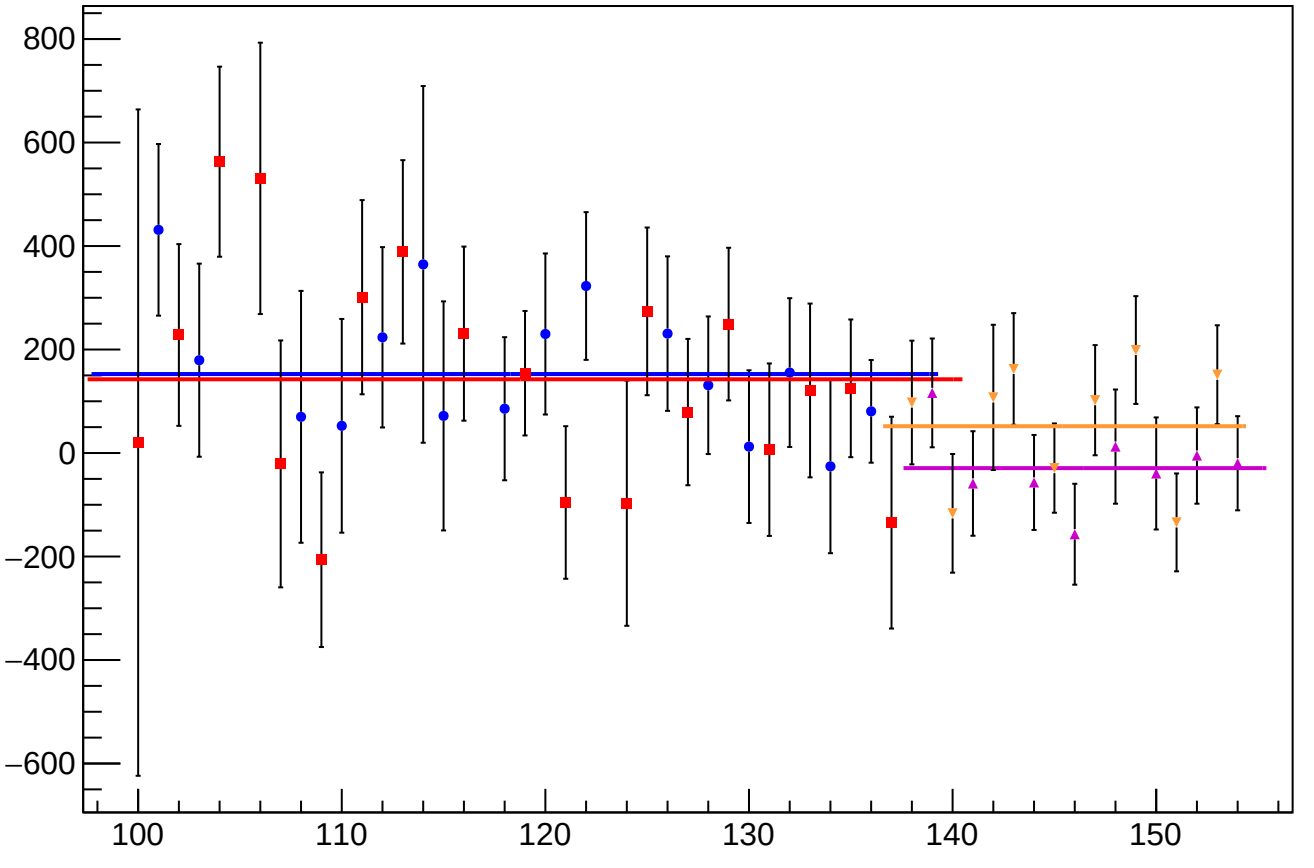
Left: 929.956+/-0.178 χ^2/NDF: 532253.8/16

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1093.351+/-0.214 χ^2/NDF:2049218.0/23

Out: 1081.956+/-0.211 χ^2/NDF:2405882.7/27

All: 1087.591+/-0.150 χ^2/NDF: 4456540.3/51



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 51.820+/-34.944 χ^2/NDF:11.6/8

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -29.174+/-35.004 χ^2/NDF:4.0/7

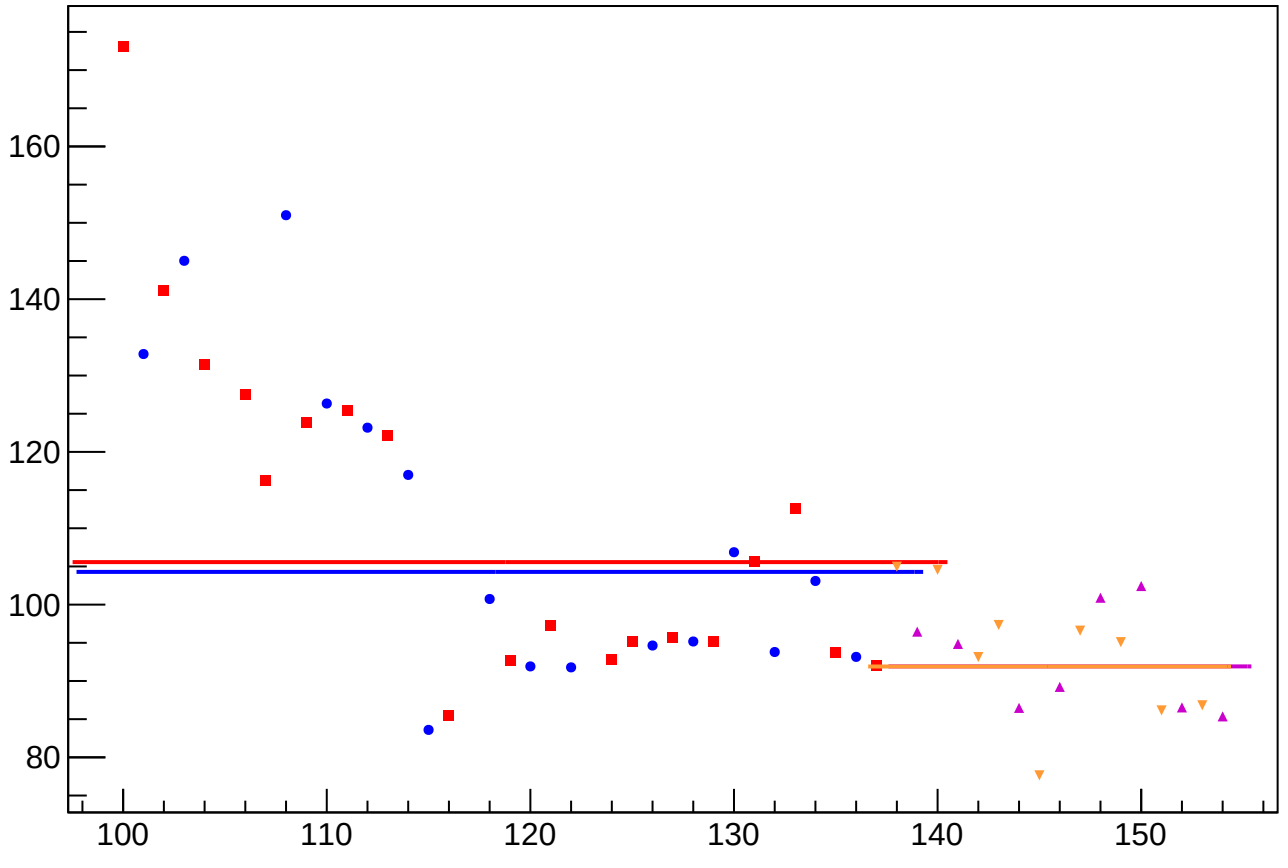
Left: 11.392+/-24.730 χ^2/NDF: 18.3/16

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 50.917+/-26.182 χ^2/NDF:24.6/23

Out: 91.811+/-26.126 χ^2/NDF:37.4/27

All: 71.407+/-18.494 χ^2/NDF: 63.2/51



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: 91.910+/-0.025 χ^2/NDF:63175.8/7

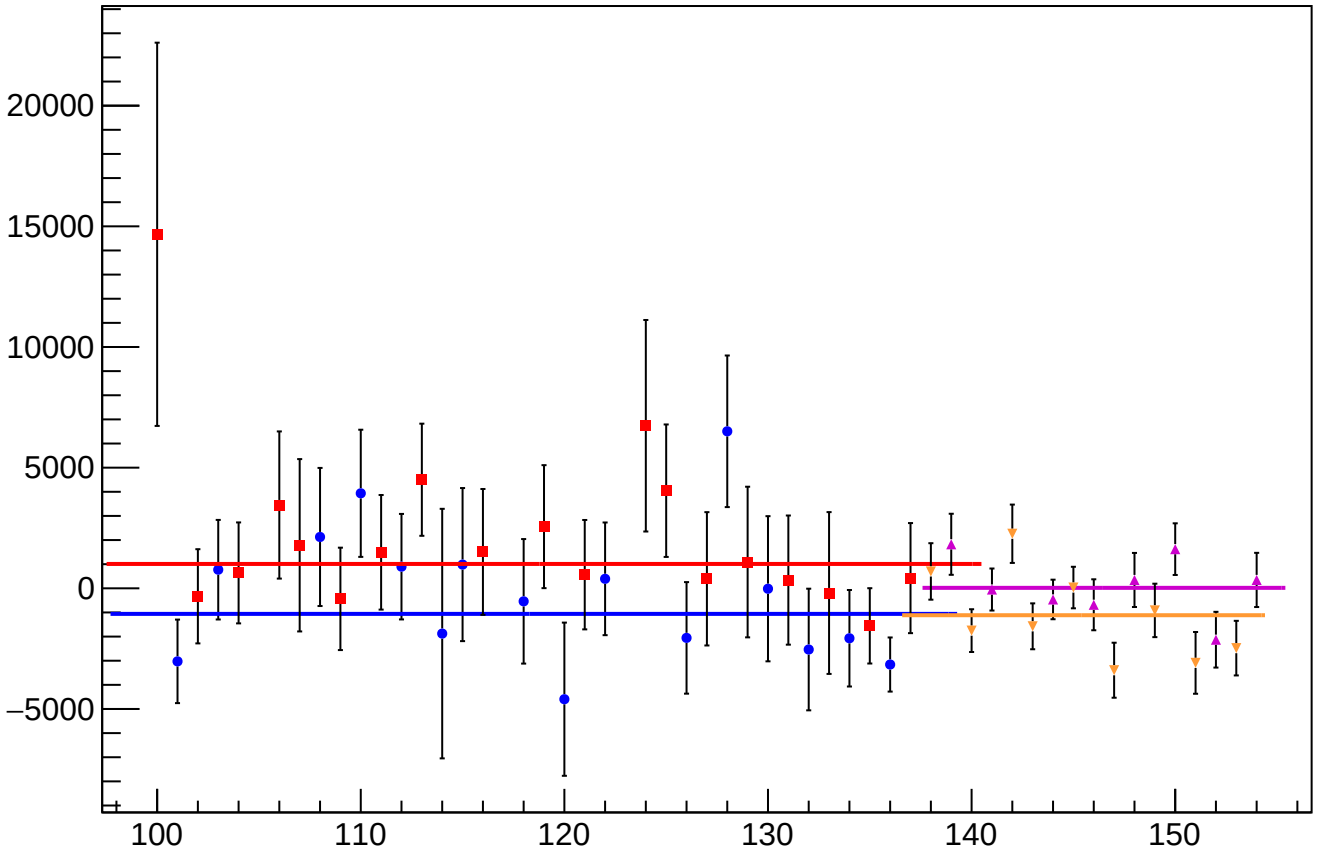
Left: 91.904+/-0.017 χ^2/NDF: 190090.0/16

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 97.362+/-0.019 χ^2/NDF:551626.4/23

Out: 97.927+/-0.018 χ^2/NDF:606519.9/27

All: 97.645+/-0.013 χ^2/NDF: 1158611.8/51



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: 19.504+/-364.140 χ^2/NDF:8.7/7

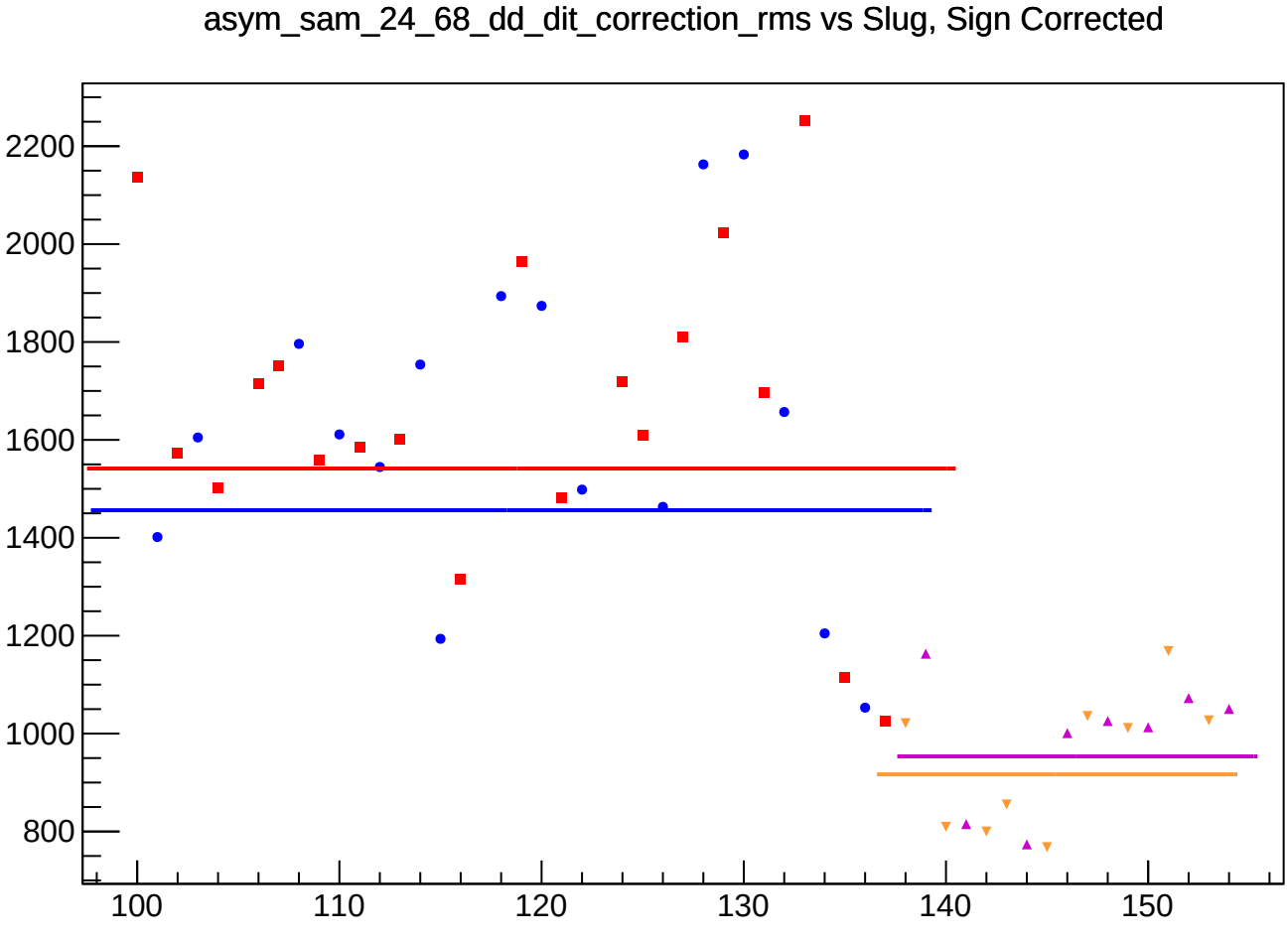
Left: -568.672+/-252.664 χ^2/NDF: 34.3/16

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -303.007+/-304.893 χ^2/NDF:31.4/23

Out: -538.431+/-299.526 χ^2/NDF:43.8/27

All: -422.809+/-213.669 χ^2/NDF: 75.5/51



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: 953.420+/-0.257 χ^2/NDF:256246.9/7

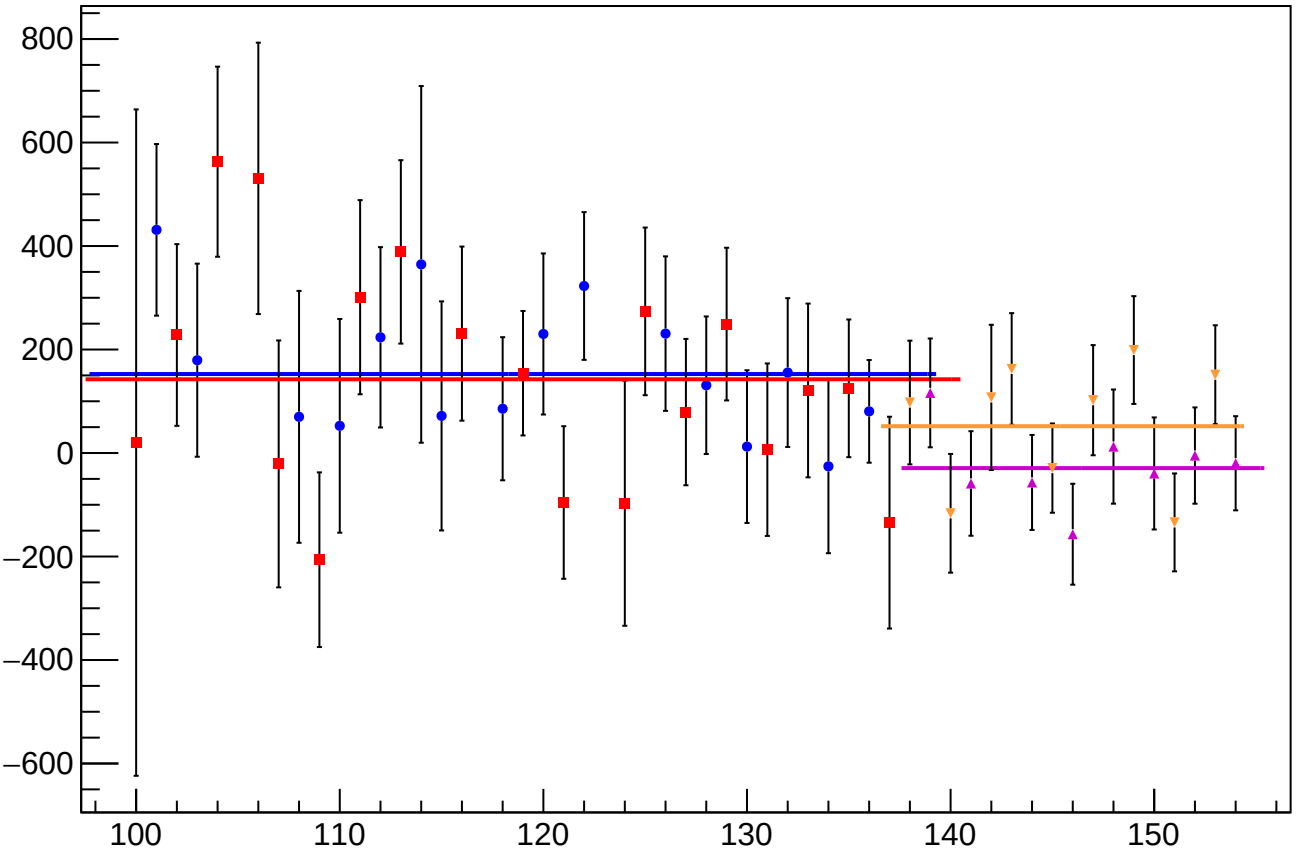
Left: 934.381+/-0.179 χ^2/NDF: 531839.6/16

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1103.750+/-0.216 χ^2/NDF:2081320.0/23

Out: 1086.191+/-0.212 χ^2/NDF:2504768.4/27

All: 1094.814+/-0.151 χ^2/NDF: 4589464.2/51


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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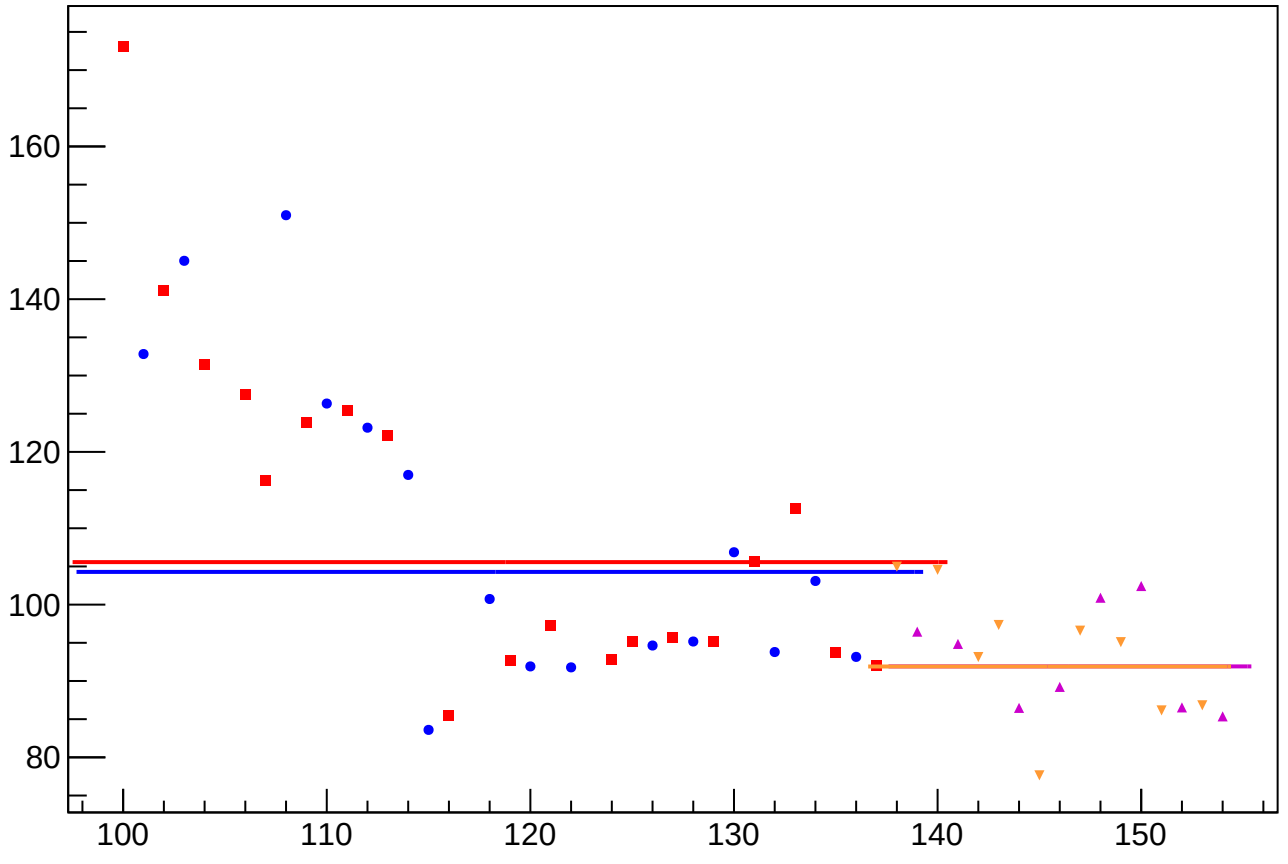
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: 51.819+/-34.944 χ²/NDF:11.6/8
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: -29.173+/-35.004 χ²/NDF:4.0/7
Left: 11.392+/-24.730 χ²/NDF: 18.3/16
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 50.919+/-26.182 χ²/NDF:24.6/23
Out: 91.810+/-26.126 χ²/NDF:37.4/27
All: 71.408+/-18.493 χ²/NDF: 63.2/51



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: 91.910+/-0.025 χ^2/NDF:63173.3/7

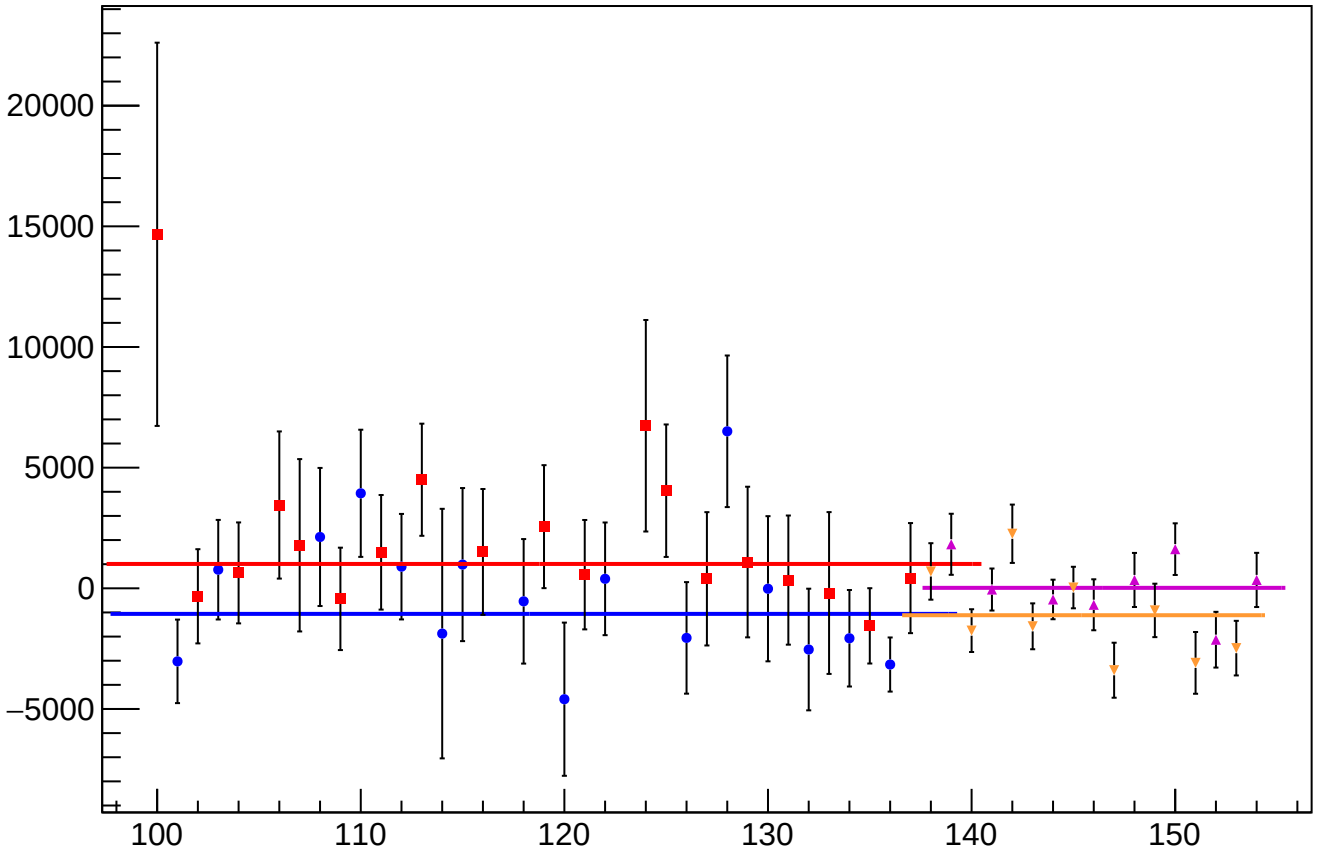
Left: 91.904+/-0.017 χ^2/NDF: 190085.0/16

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 97.362+/-0.019 χ^2/NDF:551608.1/23

Out: 97.926+/-0.018 χ^2/NDF:606501.3/27

All: 97.645+/-0.013 χ^2/NDF: 1158575.0/51



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: 19.505+/-364.139 χ^2/NDF:8.7/7

Left: -568.672+/-252.664 χ^2/NDF: 34.3/16

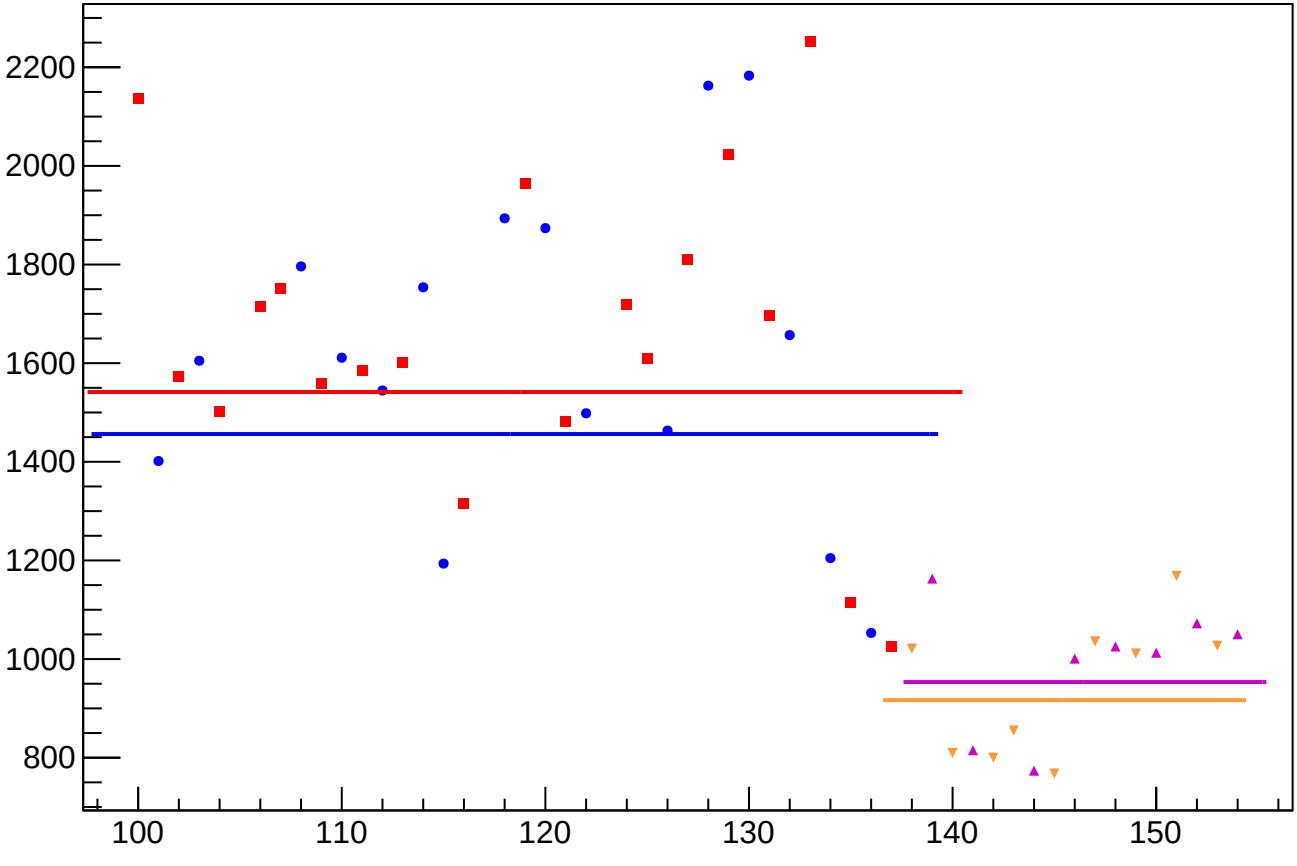
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -303.005+/-304.892 χ^2/NDF:31.4/23

Out: -538.431+/-299.525 χ^2/NDF:43.8/27

All: -422.808+/-213.669 χ^2/NDF: 75.5/51

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 916.703+/-0.248 χ^2/NDF:265050.4/8

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 953.419+/-0.257 χ^2/NDF:256247.2/7

Left: 934.380+/-0.179 χ^2/NDF: 531841.6/16

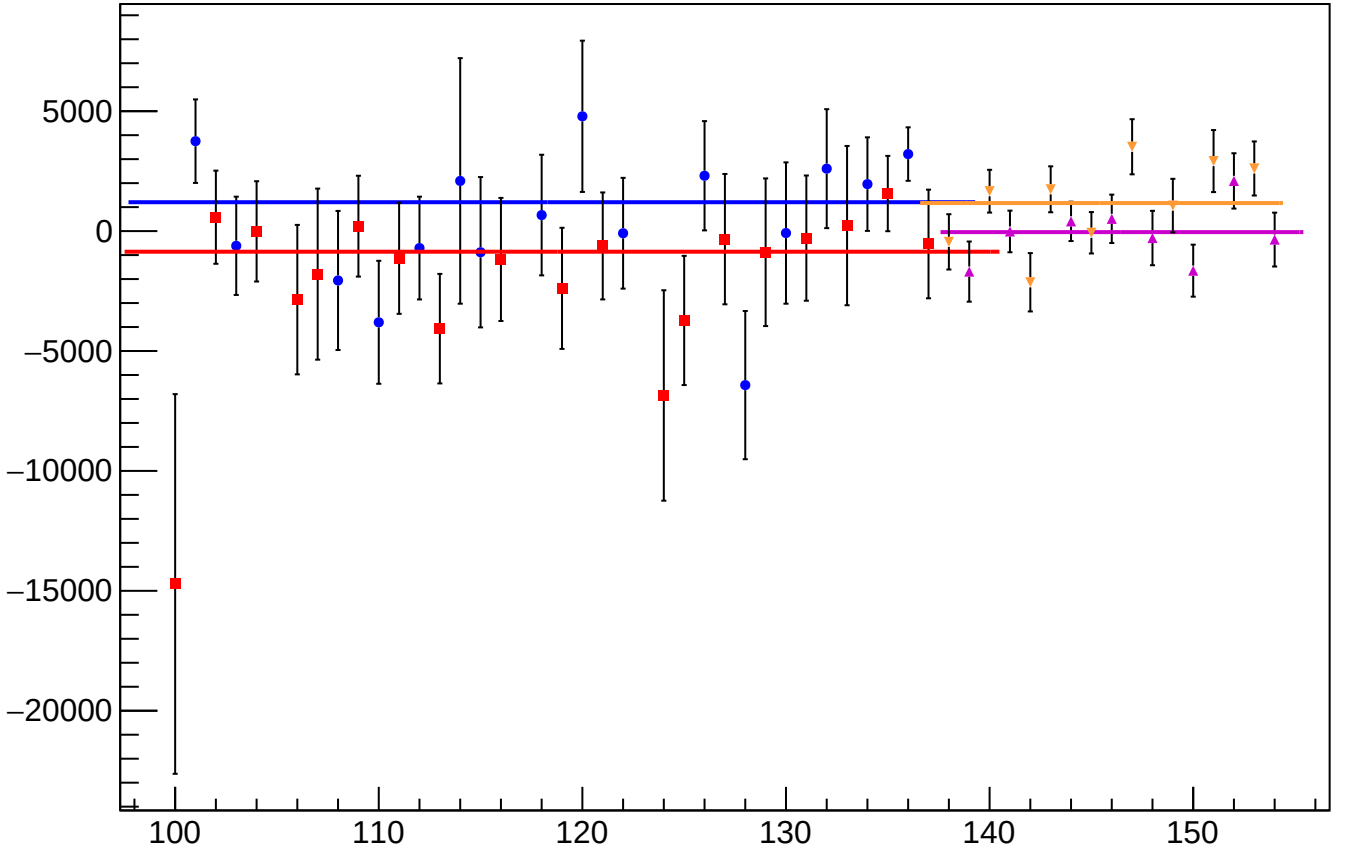
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1103.749+/-0.216 χ^2/NDF:2081312.3/23

Out: 1086.189+/-0.212 χ^2/NDF:2504765.2/27

All: 1094.813+/-0.151 χ^2/NDF: 4589453.3/51

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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: -42.295+/-362.672 χ^2/NDF:8.1/7

Left: 581.600+/-252.681 χ^2/NDF: 33.5/16

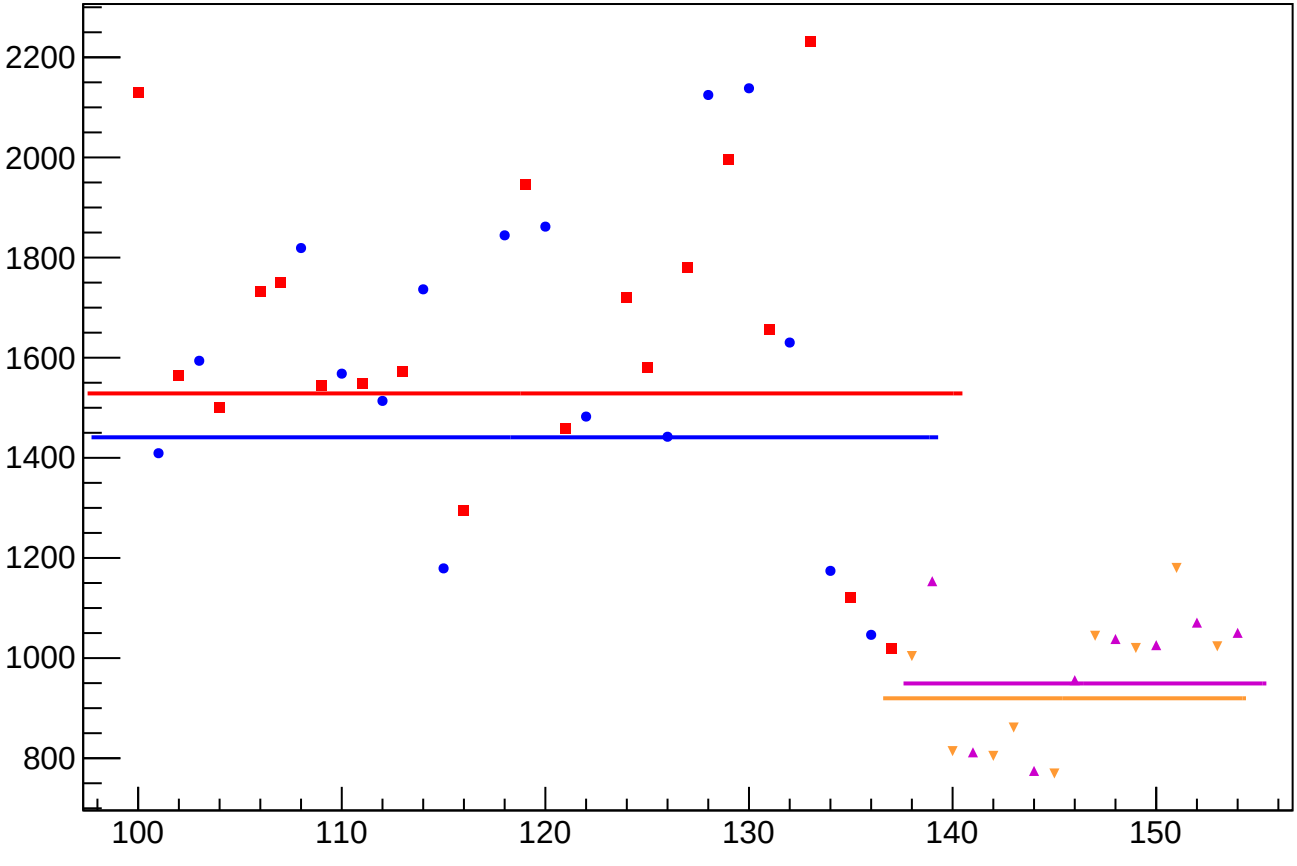
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 333.948+/-303.060 χ^2/NDF:32.8/23

Out: 609.852+/-299.703 χ^2/NDF:41.4/27

All: 473.437+/-213.099 χ^2/NDF: 74.6/51

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: 949.351+/-0.256 χ^2/NDF:254583.6/7

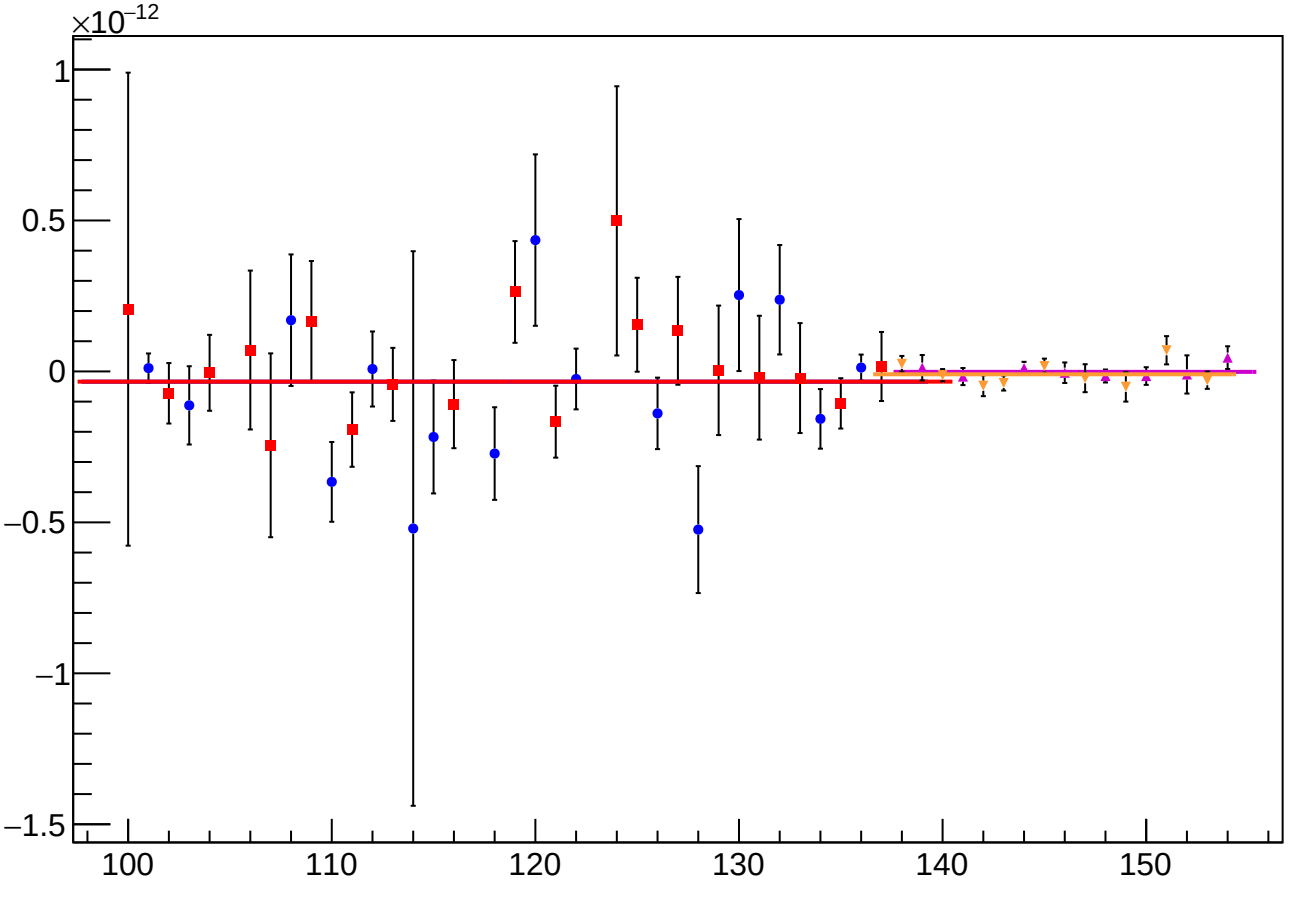
Left: 934.098+/-0.179 χ^2/NDF: 523817.8/16

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1097.700+/-0.214 χ^2/NDF:2034334.5/23

Out: 1087.827+/-0.212 χ^2/NDF:2414235.9/27

All: 1092.708+/-0.151 χ^2/NDF: 4449643.4/51



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:3.0/7

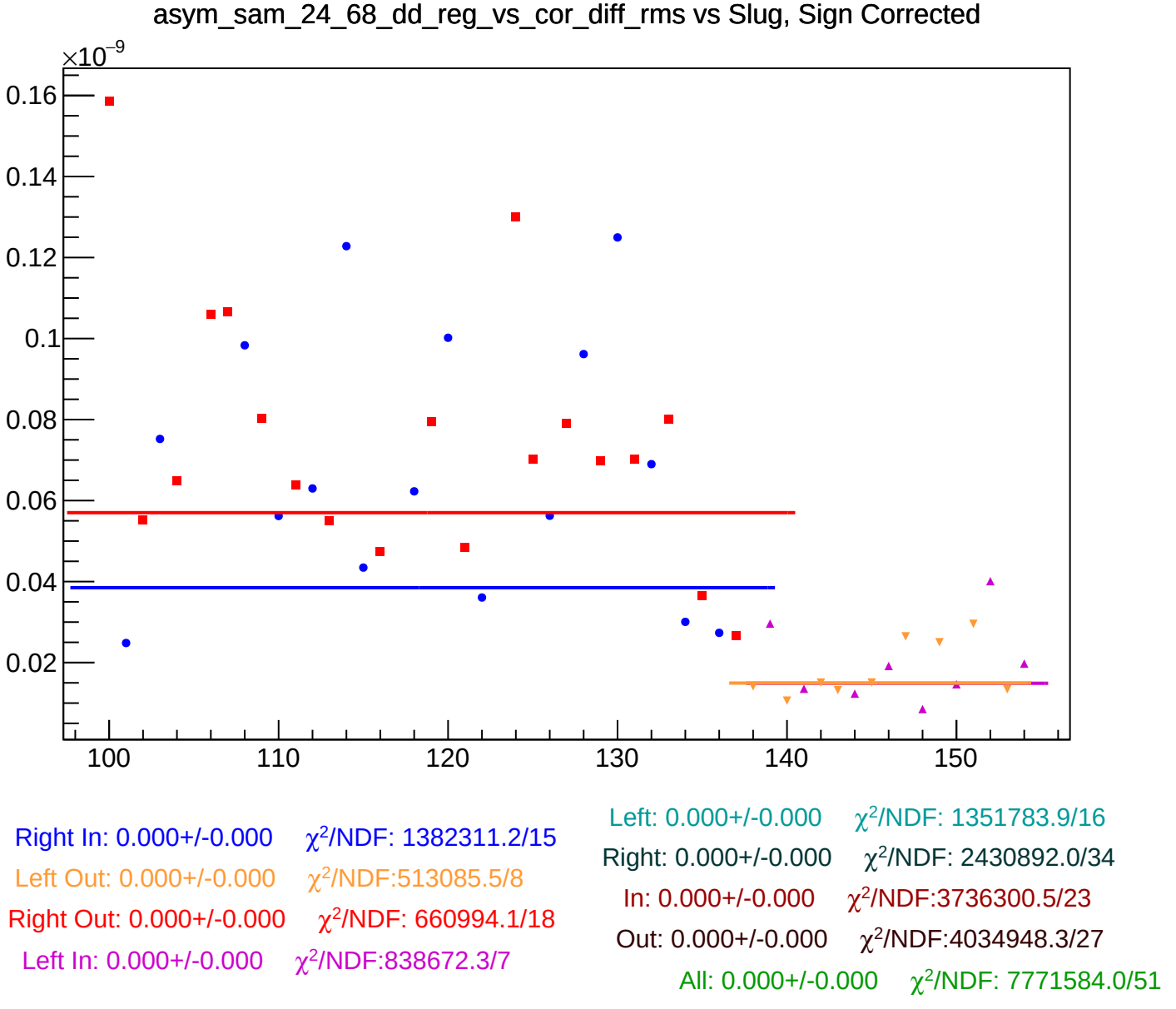
Left: -0.000+/-0.000 χ^2/NDF: 13.0/16

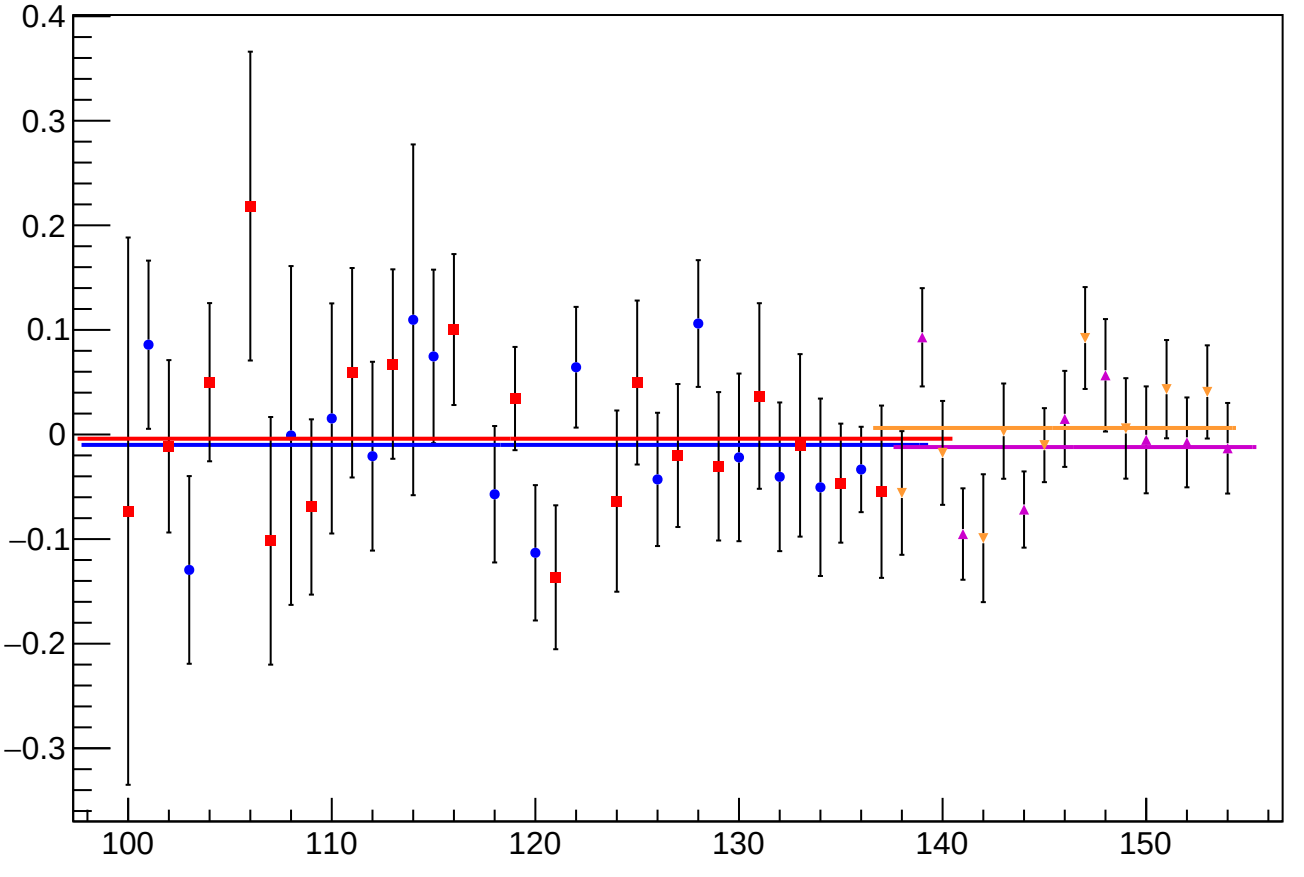
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:31.8/23

Out: -0.000+/-0.000 χ^2/NDF:23.1/27

All: -0.000+/-0.000 χ^2/NDF: 55.1/51


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:838672.3/7
Left: 0.000+/-0.000 χ²/NDF: 1351783.9/16
Right: 0.000+/-0.000 χ²/NDF: 2430892.0/34
In: 0.000+/-0.000 χ²/NDF:3736300.5/23
Out: 0.000+/-0.000 χ²/NDF:4034948.3/27
All: 0.000+/-0.000 χ²/NDF: 7771584.0/51



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+/-0.016 χ^2/NDF:13.3/7

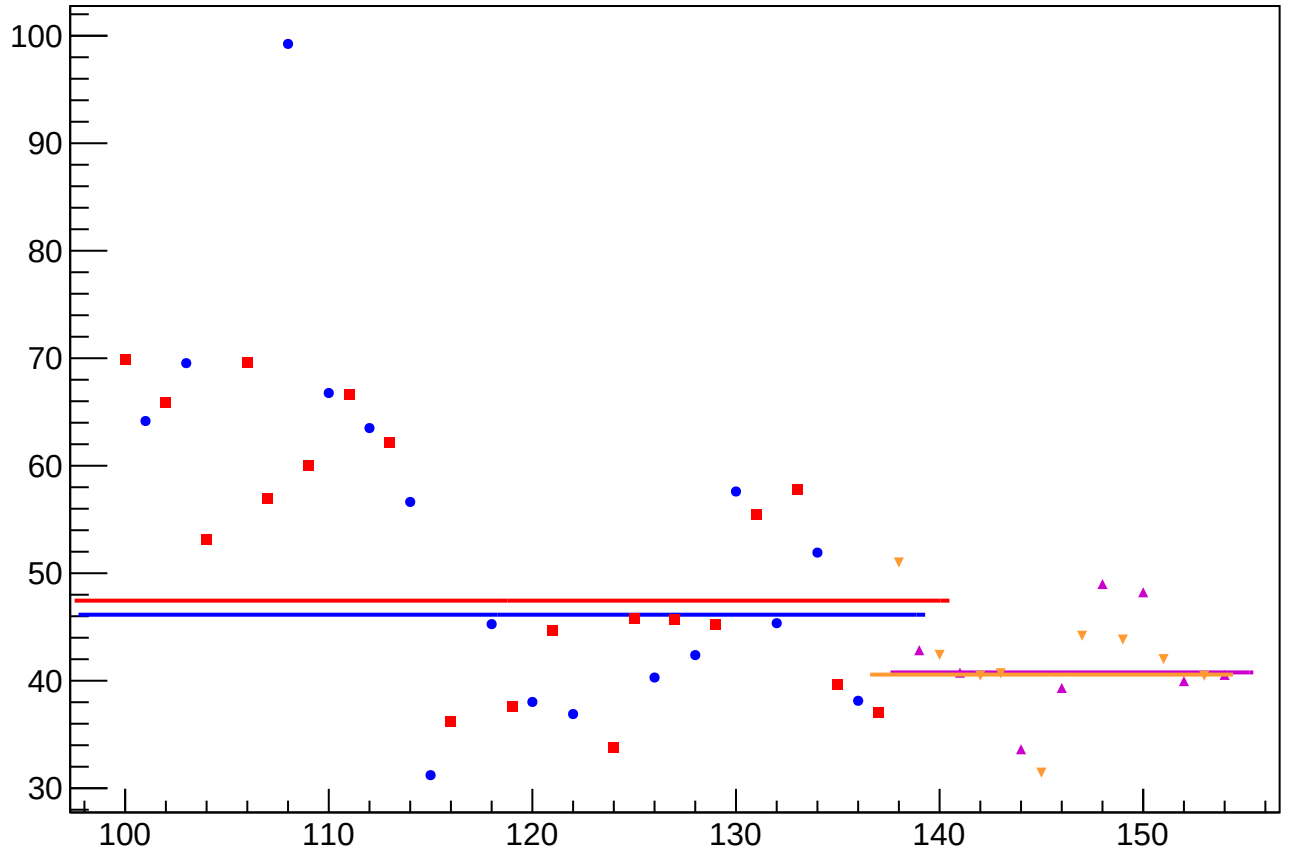
Left: -0.003+/-0.011 χ^2/NDF: 22.8/16

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/23

Out: 0.002+/-0.012 χ^2/NDF:22.9/27

All: -0.005+/-0.008 χ^2/NDF: 51.0/51



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: 40.772+/-0.011 χ^2/NDF:172884.6/7

Left: 40.671+/-0.008 χ^2/NDF: 393004.1/16

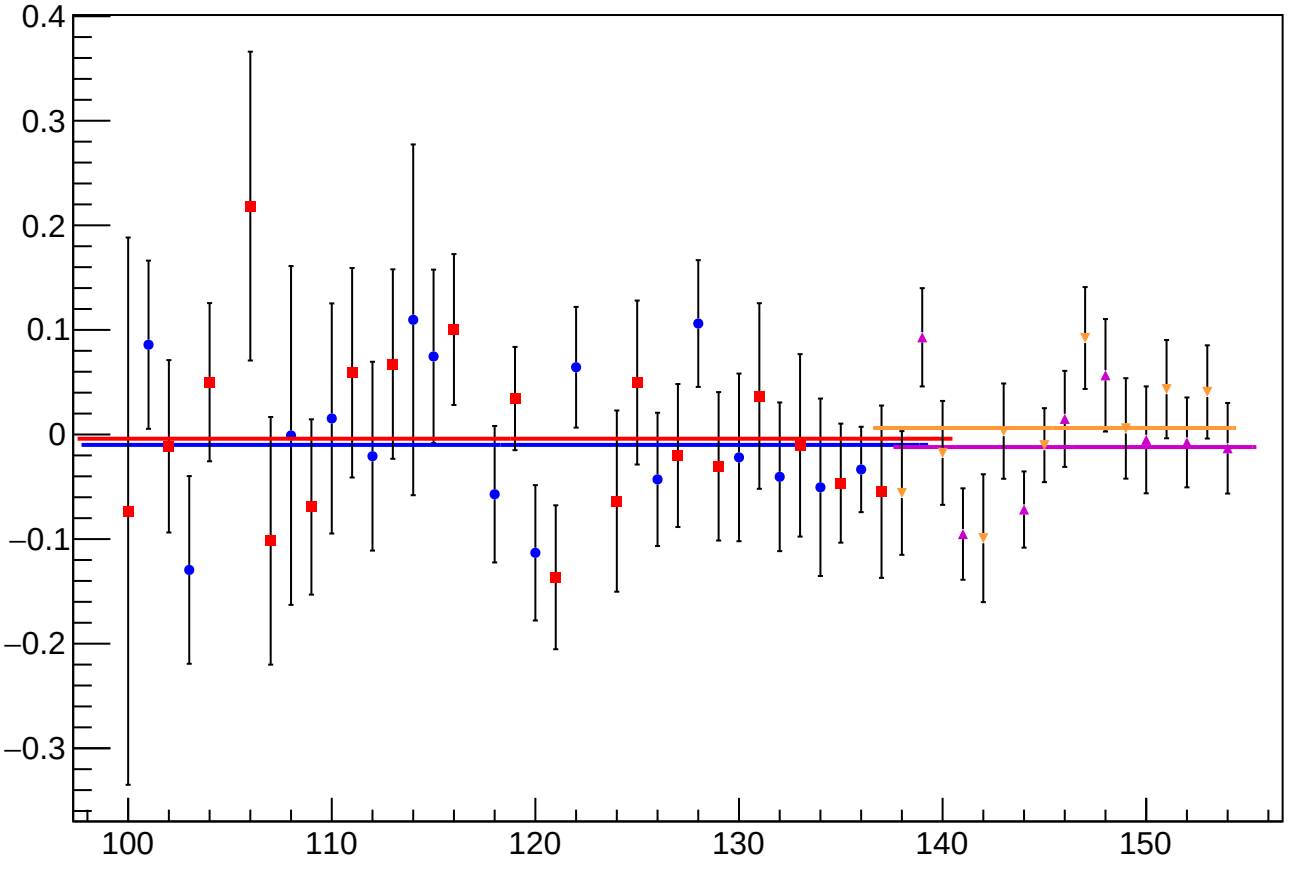
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.109+/-0.008 χ^2/NDF:1176734.6/23

Out: 43.528+/-0.008 χ^2/NDF:1039461.0/27

All: 43.319+/-0.006 χ^2/NDF: 2217440.5/51

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+/-0.016 χ^2/NDF:13.3/7

Left: -0.003+/-0.011 χ^2/NDF: 22.8/16

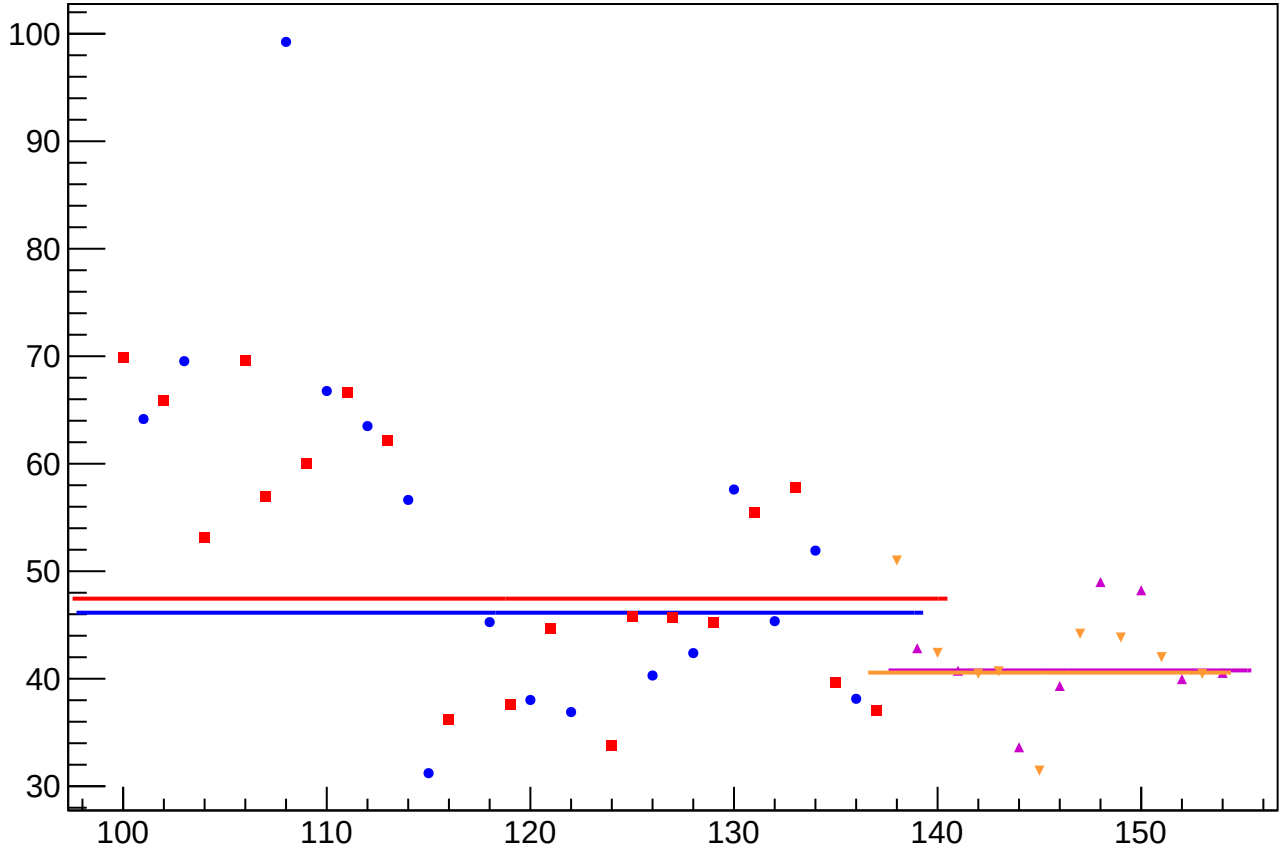
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/23

Out: 0.002+/-0.012 χ^2/NDF:22.9/27

All: -0.005+/-0.008 χ^2/NDF: 51.0/51

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: 40.772+/-0.011 χ^2/NDF:172884.6/7

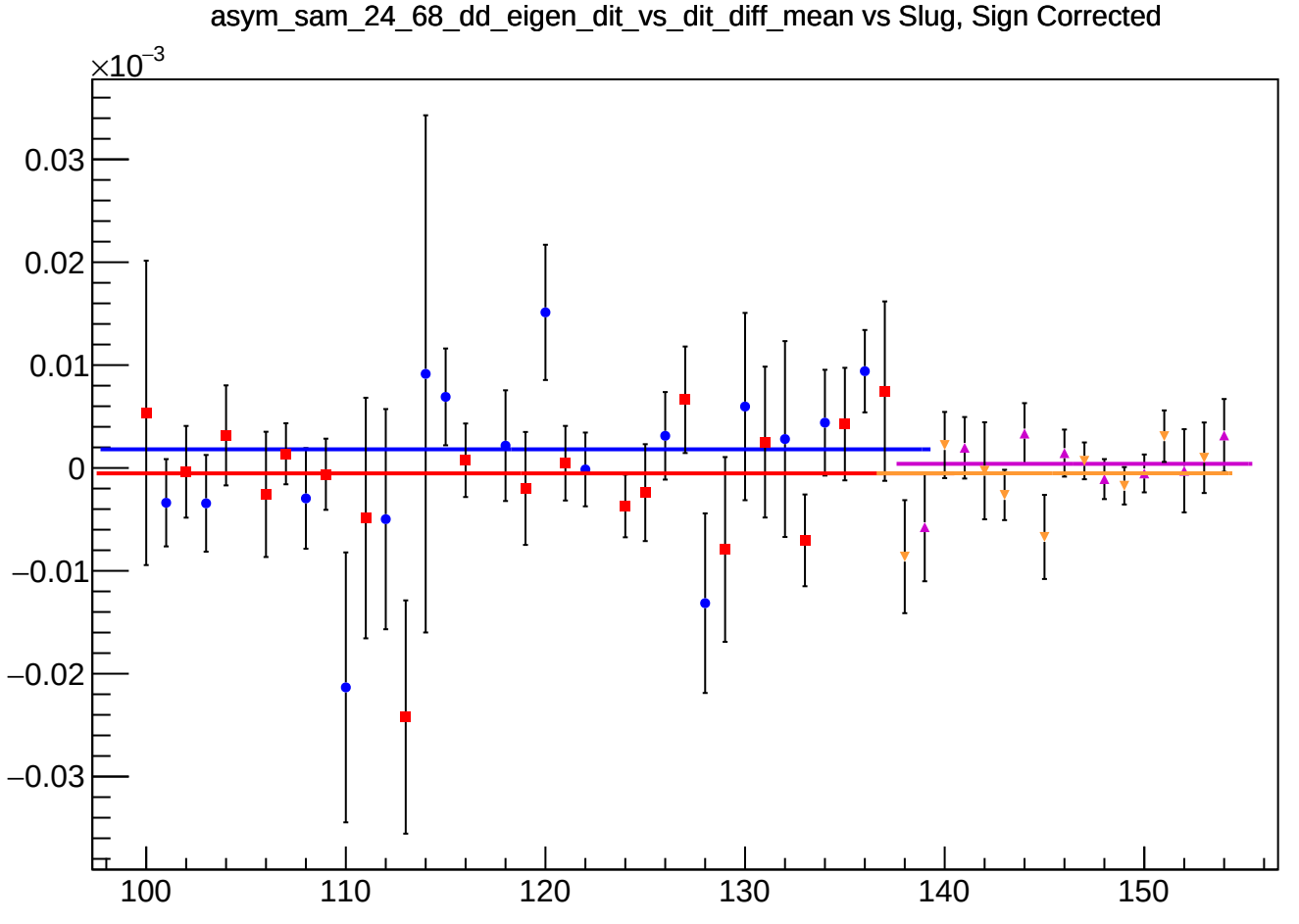
Left: 40.671+/-0.008 χ^2/NDF: 393004.1/16

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.109+/-0.008 χ^2/NDF:1176734.6/23

Out: 43.528+/-0.008 χ^2/NDF:1039461.0/27

All: 43.319+/-0.006 χ^2/NDF: 2217440.5/51



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:4.3/7

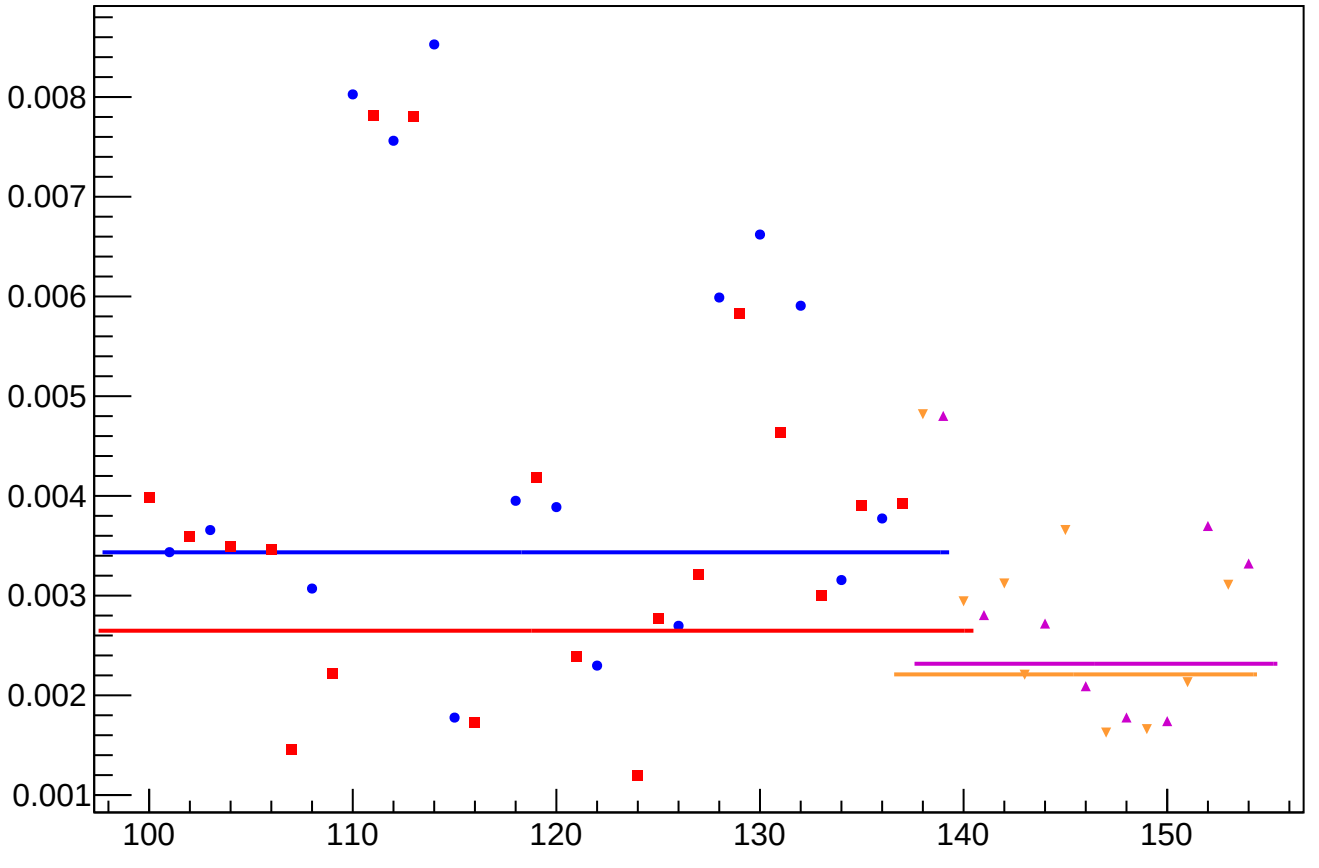
Left: -0.000+/-0.000 χ^2/NDF: 13.9/16

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:25.0/23

Out: -0.000+/-0.000 χ^2/NDF:22.9/27

All: 0.000+/-0.000 χ^2/NDF: 49.7/51



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:1300209.9/7

Left: 0.002+/-0.000 χ^2/NDF: 2729266.3/16

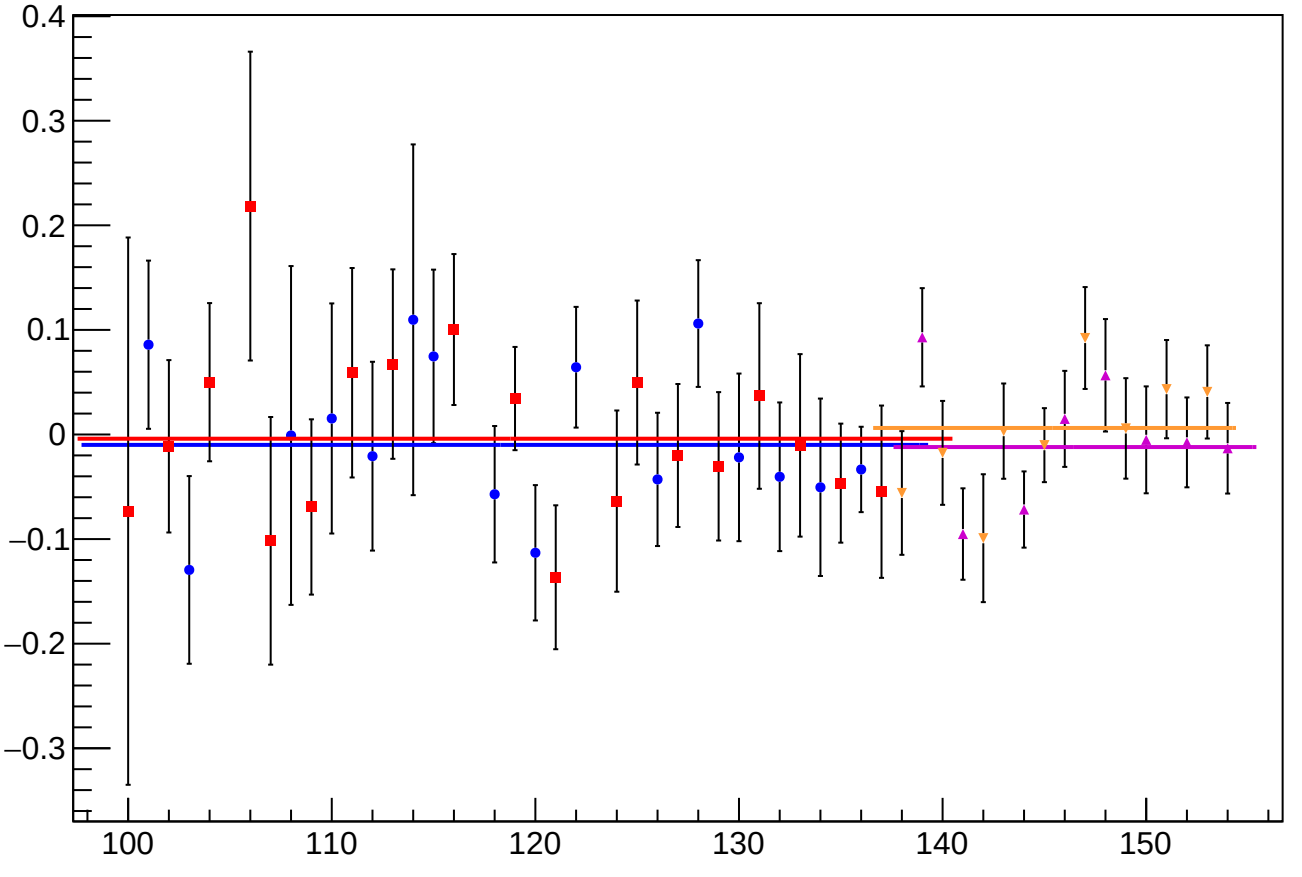
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:3957405.8/23

Out: 0.002+/-0.000 χ^2/NDF:4305896.2/27

All: 0.003+/-0.000 χ^2/NDF: 8413597.8/51

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+/-0.016 χ^2/NDF:13.3/7

Left: -0.003+/-0.011 χ^2/NDF: 22.8/16

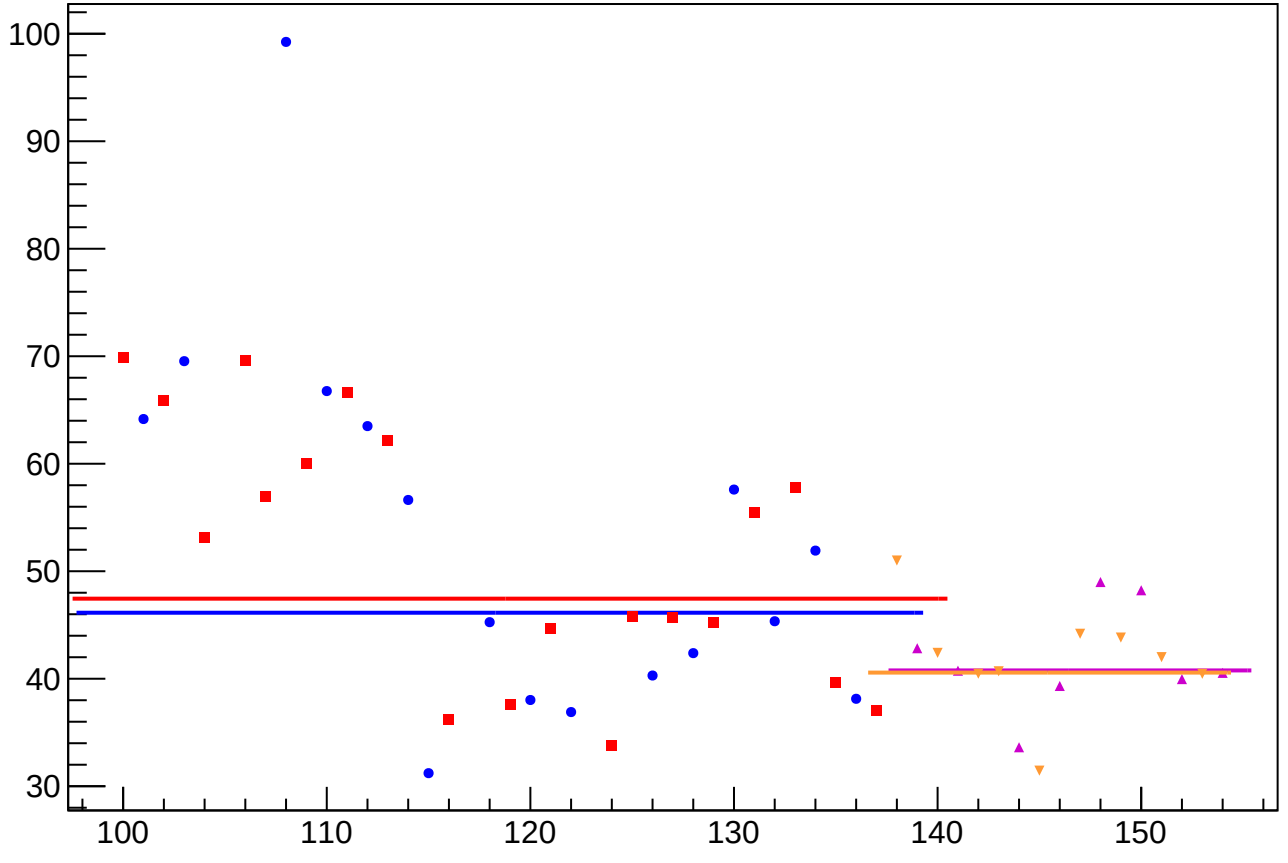
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/23

Out: 0.002+/-0.012 χ^2/NDF:22.9/27

All: -0.005+/-0.008 χ^2/NDF: 51.0/51

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: 40.772+/-0.011 χ^2/NDF:172887.3/7

Left: 40.671+/-0.008 χ^2/NDF: 393005.8/16

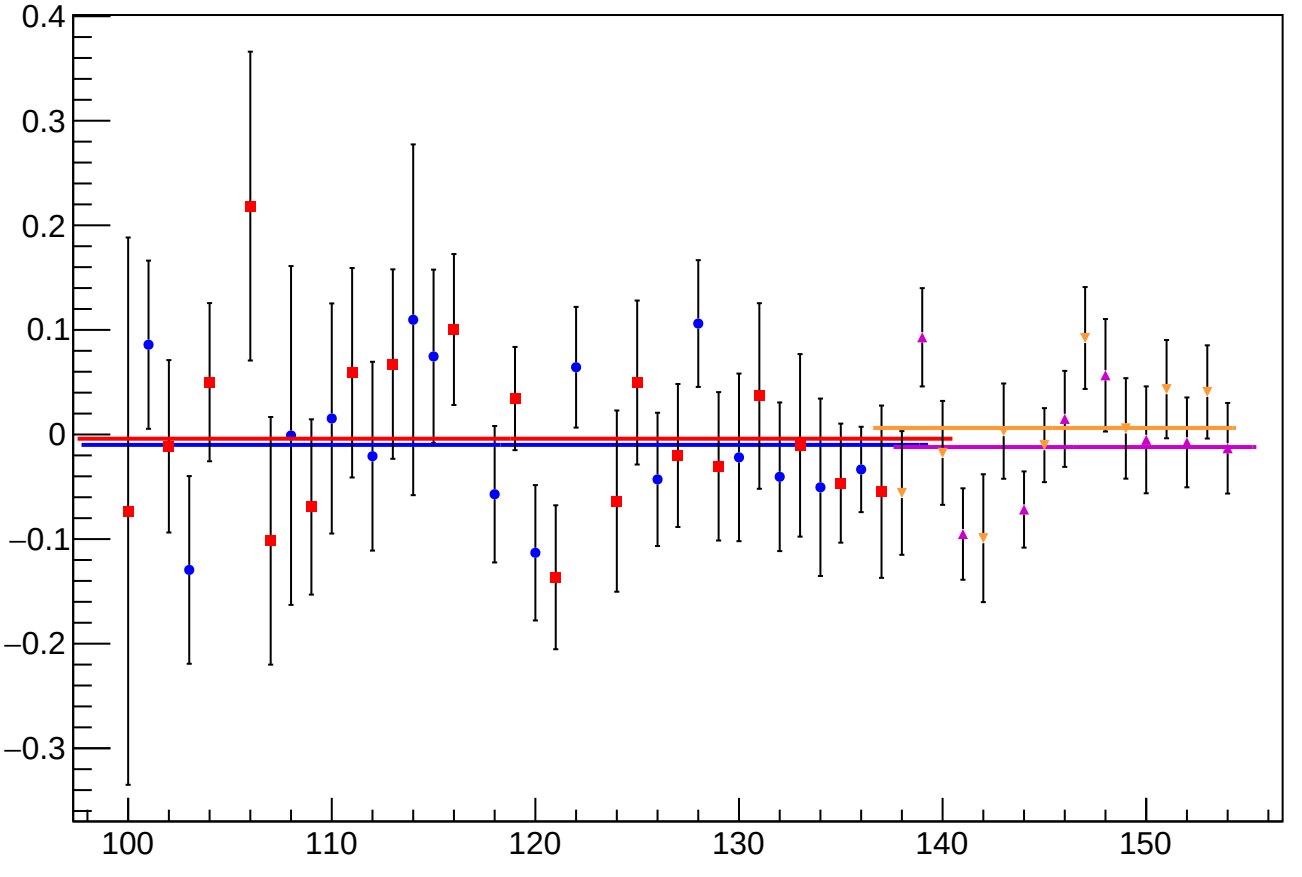
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.109+/-0.008 χ^2/NDF:1176649.7/23

Out: 43.528+/-0.008 χ^2/NDF:1039389.9/27

All: 43.318+/-0.006 χ^2/NDF: 2217286.1/51

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+/-0.016 χ^2/NDF:13.3/7

Left: -0.003+/-0.011 χ^2/NDF: 22.8/16

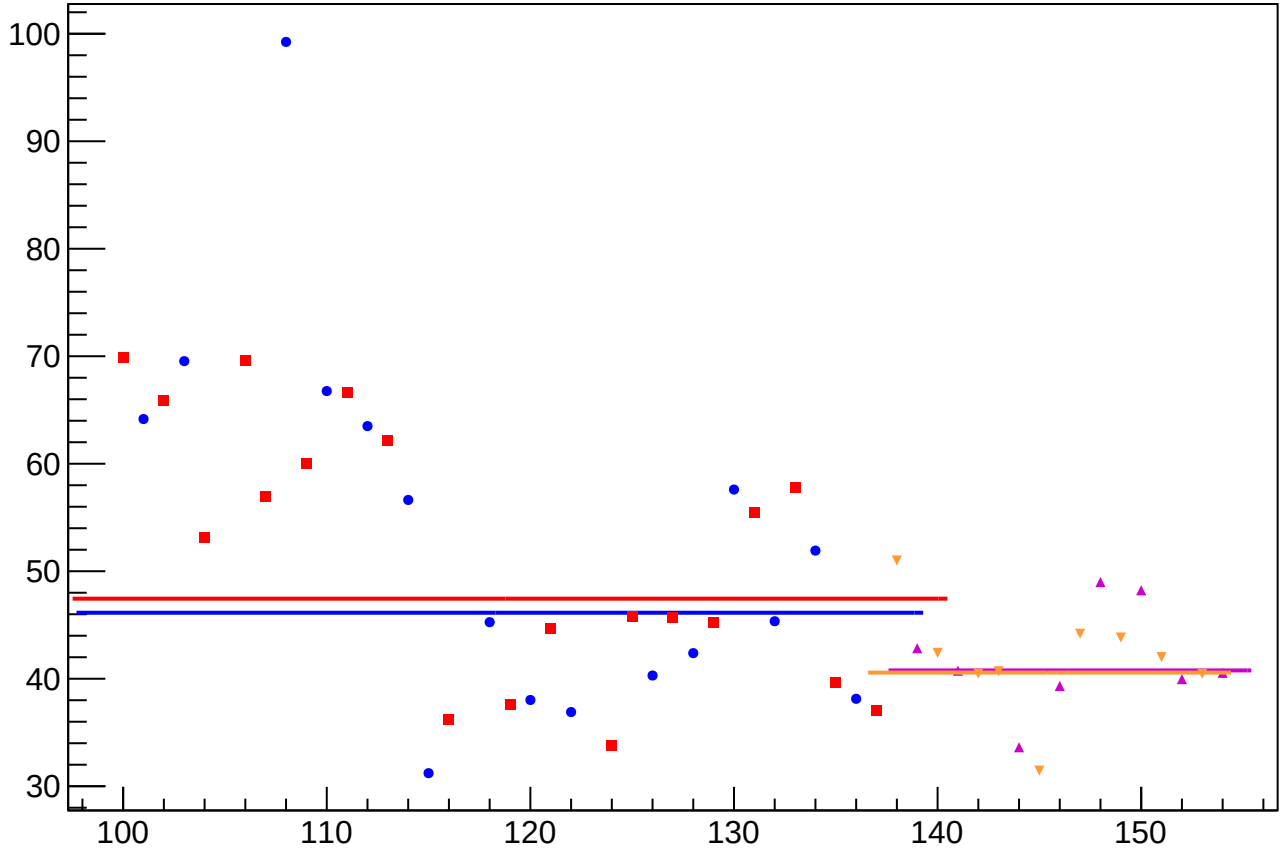
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/23

Out: 0.002+/-0.012 χ^2/NDF:22.9/27

All: -0.005+/-0.008 χ^2/NDF: 51.0/51

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: 40.772+/-0.011 χ^2/NDF:172887.3/7

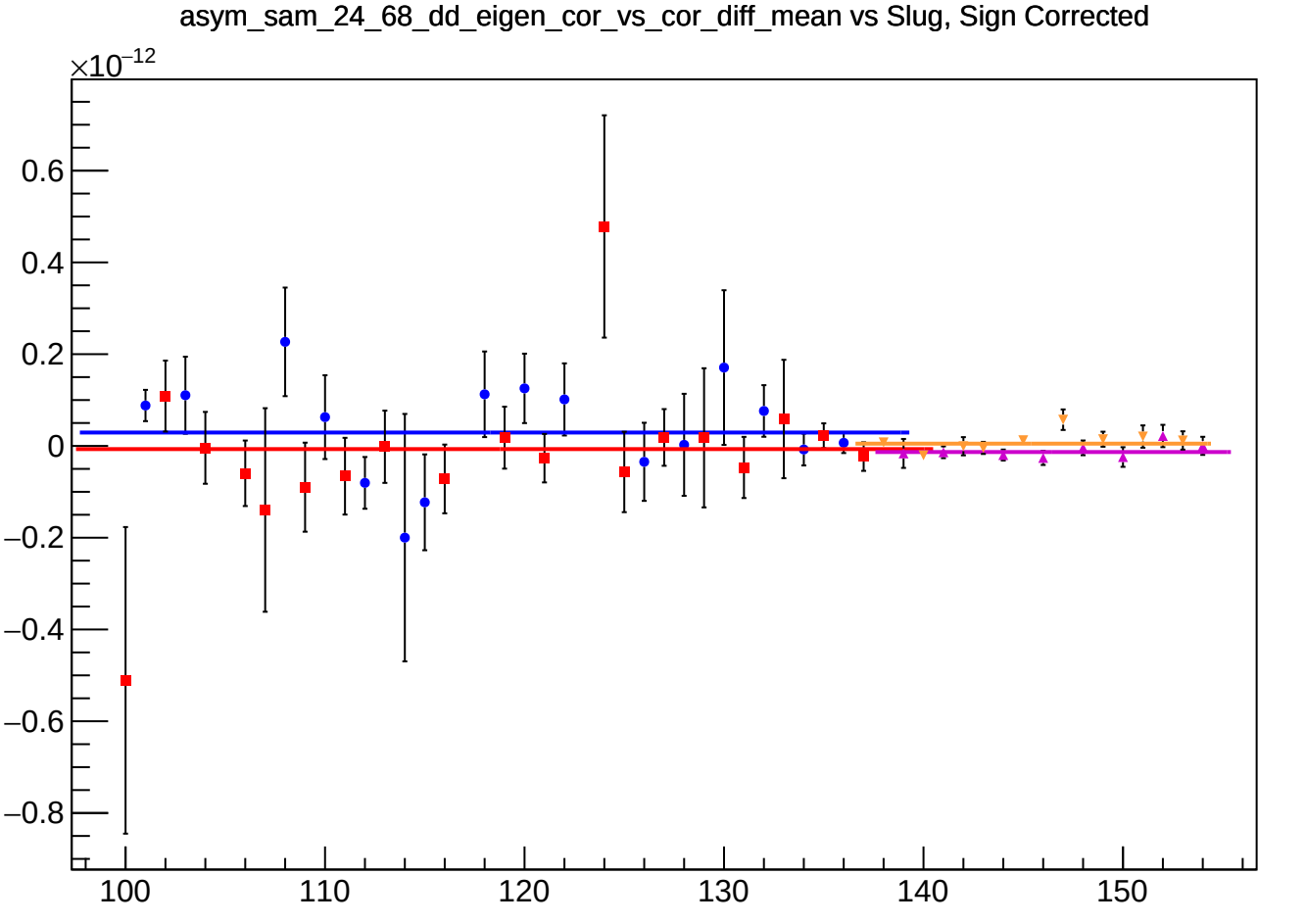
Left: 40.671+/-0.008 χ^2/NDF: 393005.8/16

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.109+/-0.008 χ^2/NDF:1176649.7/23

Out: 43.528+/-0.008 χ^2/NDF:1039389.9/27

All: 43.318+/-0.006 χ^2/NDF: 2217286.1/51



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:4.1/7

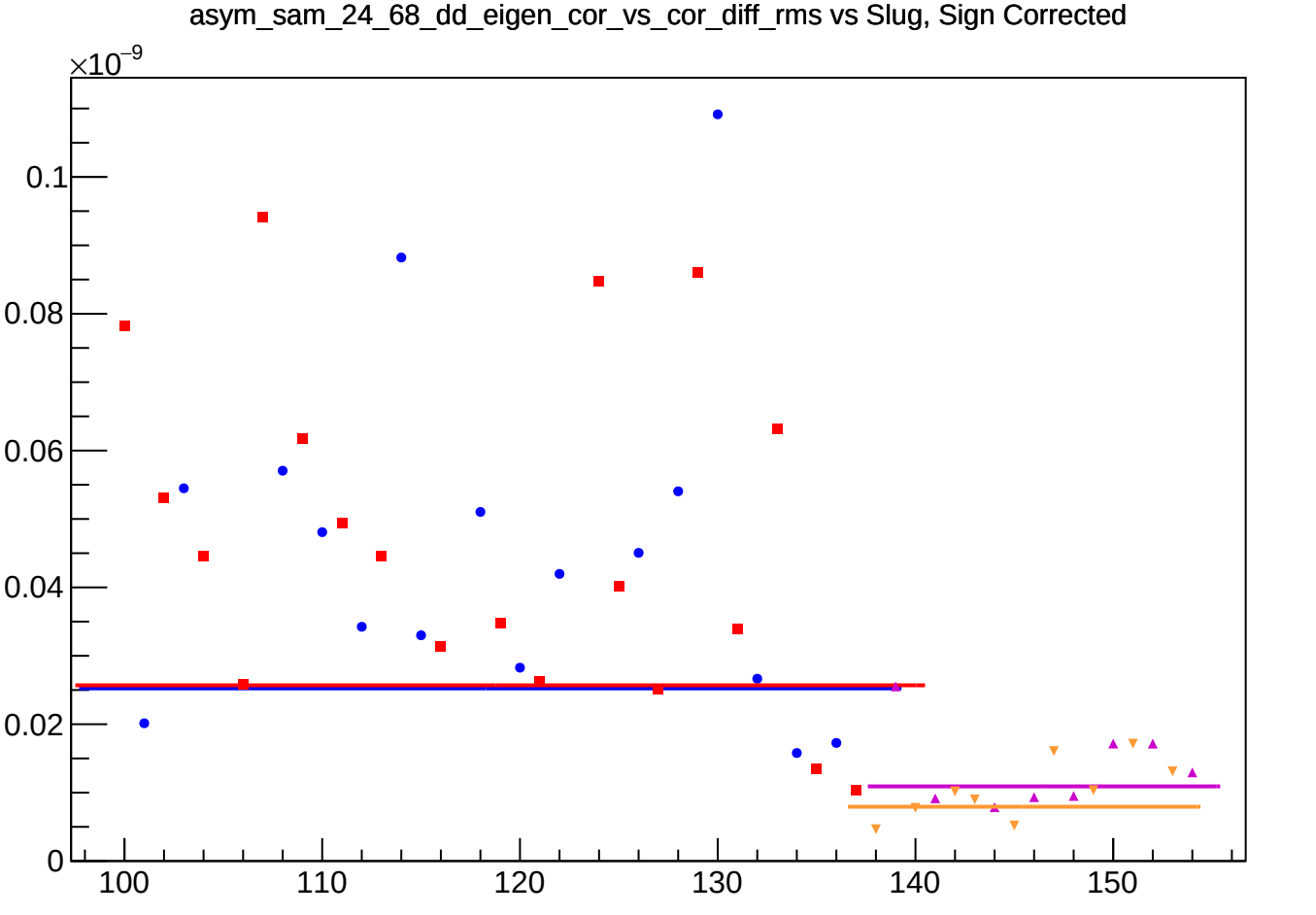
Left: -0.000+/-0.000 χ^2/NDF: 23.4/16

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:33.3/23

Out: 0.000+/-0.000 χ^2/NDF:28.2/27

All: -0.000+/-0.000 χ^2/NDF: 63.8/51



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:957090.2/7

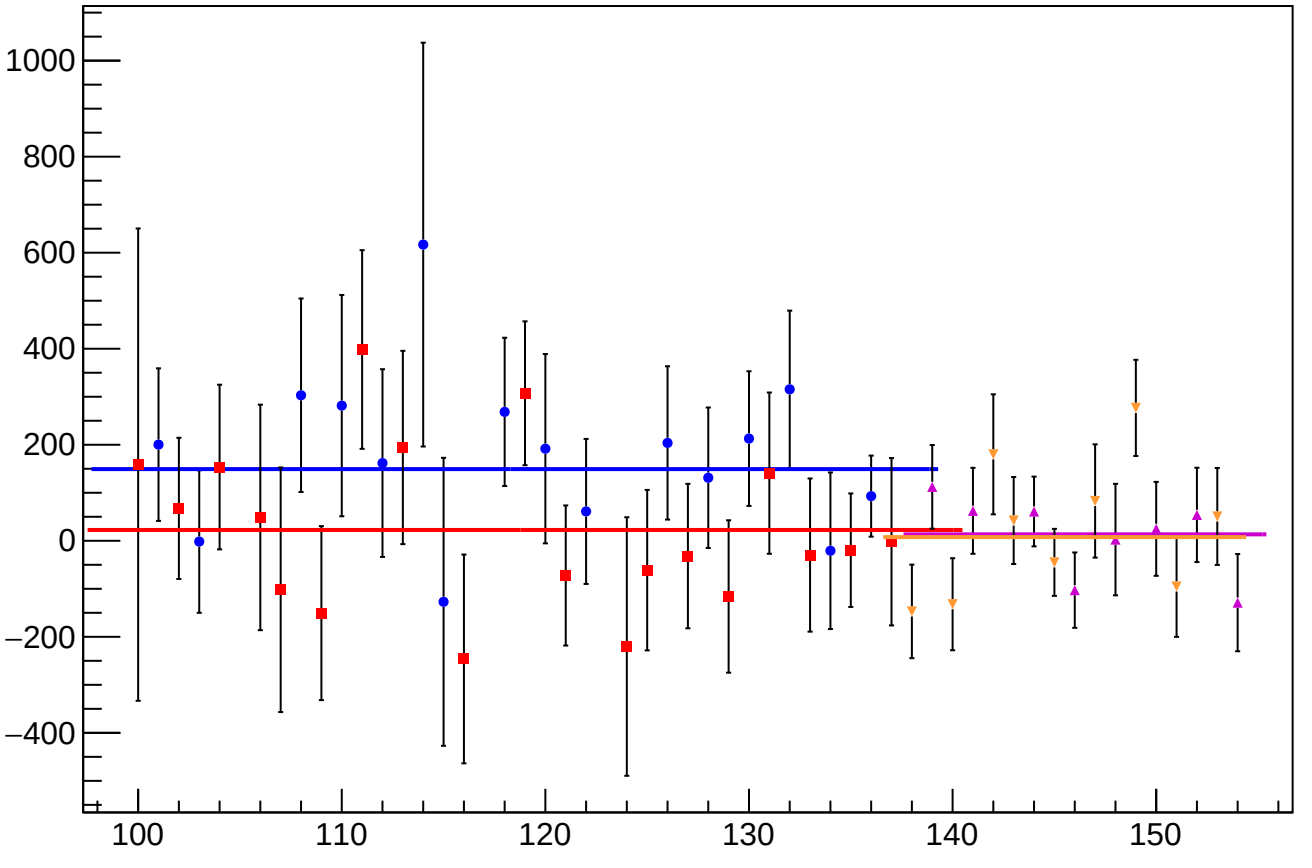
Left: 0.000+/-0.000 χ^2/NDF: 2436153.0/16

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4960807.2/23

Out: 0.000+/-0.000 χ^2/NDF:6734837.3/27

All: 0.000+/-0.000 χ^2/NDF: 12251708.3/51



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: 13.407+/-31.806 χ^2/NDF:6.4/7

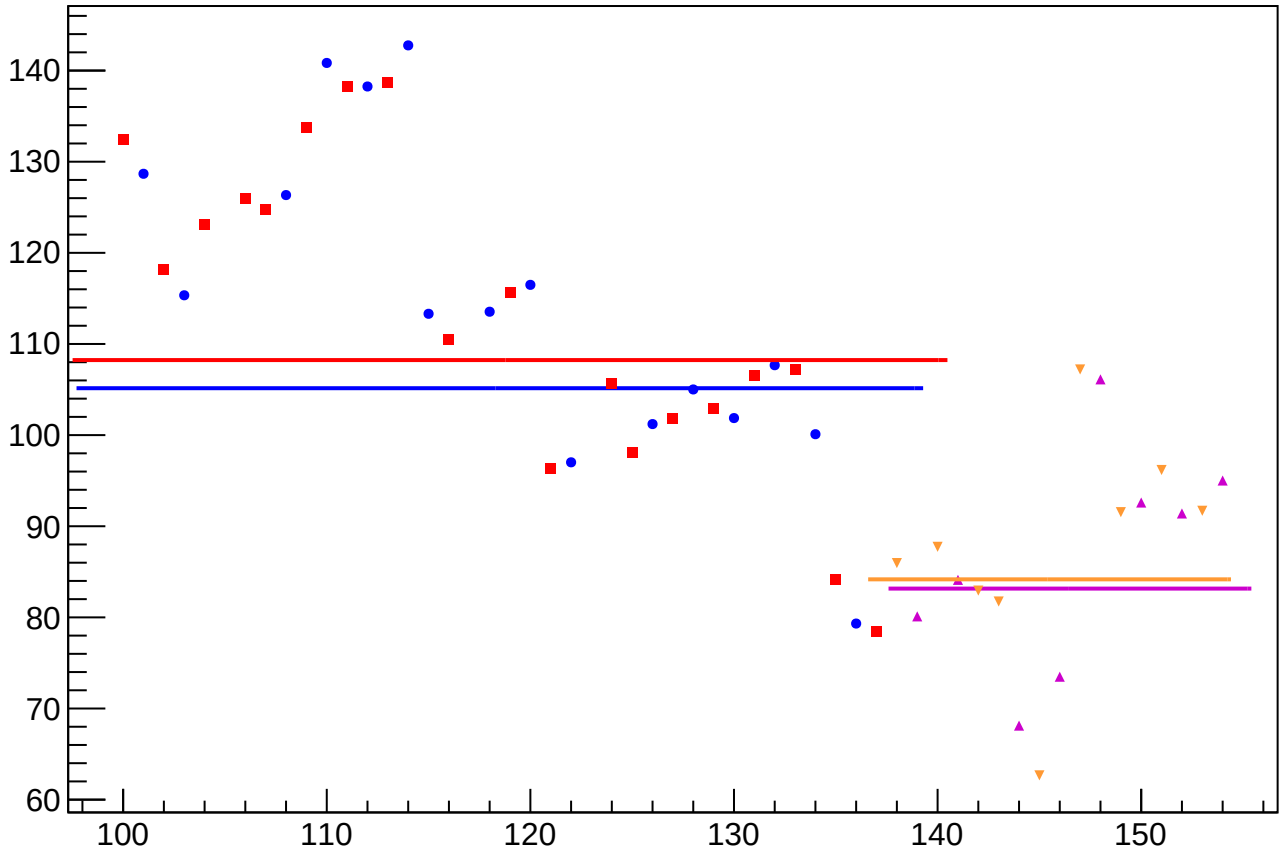
Left: 10.585+/-22.619 χ^2/NDF: 22.4/16

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 66.554+/-24.819 χ^2/NDF:21.5/23

Out: 13.513+/-25.096 χ^2/NDF:30.3/27

All: 40.327+/-17.647 χ^2/NDF: 54.1/51



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: 83.159+/-0.022 χ^2/NDF:257230.0/7

Left: 83.660+/-0.016 χ^2/NDF: 577737.9/16

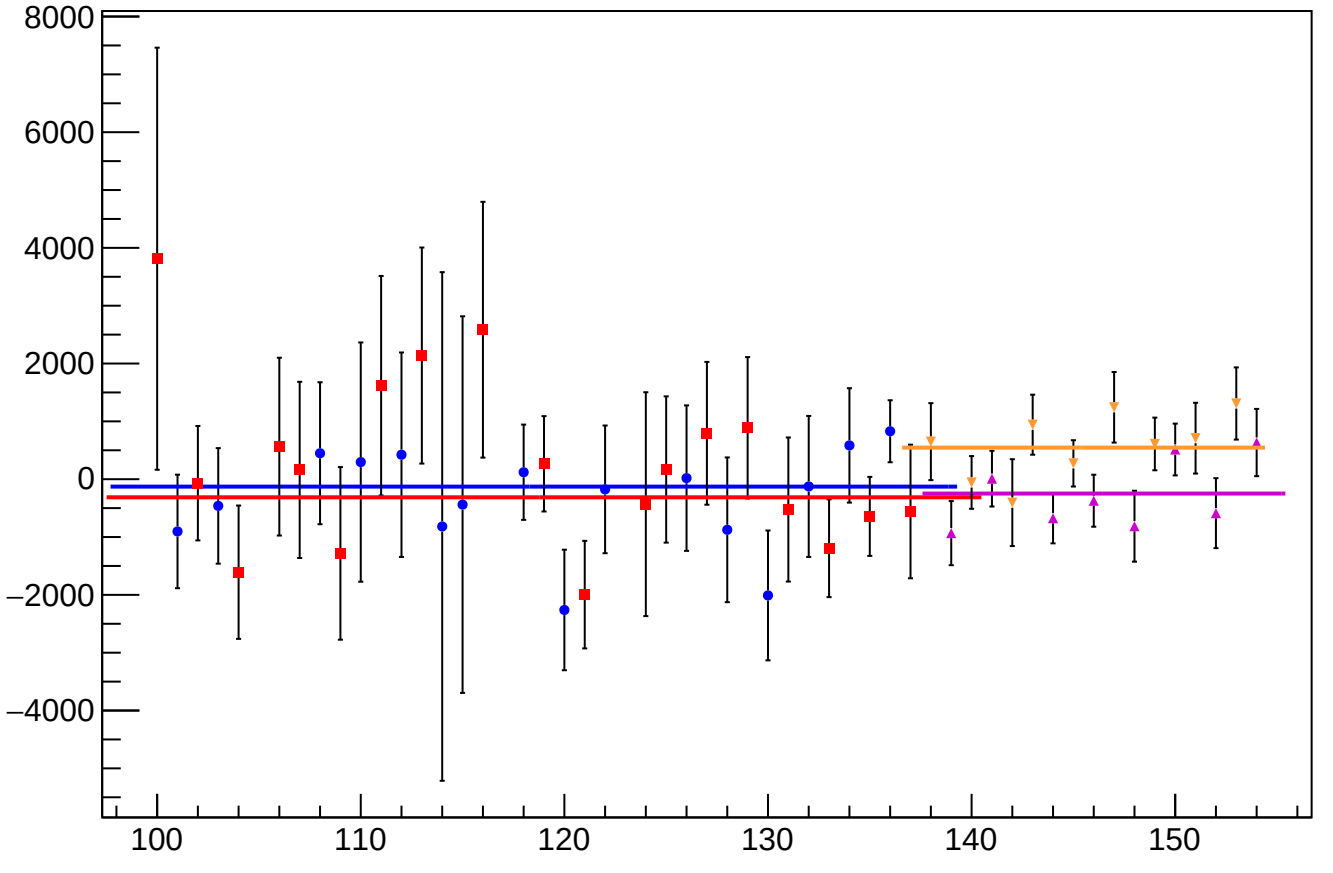
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 91.758+/-0.018 χ^2/NDF:1039441.6/23

Out: 93.596+/-0.018 χ^2/NDF:1107430.4/27

All: 92.667+/-0.012 χ^2/NDF: 2152298.2/51

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: -248.259+/-179.188 χ^2/NDF:9.2/7

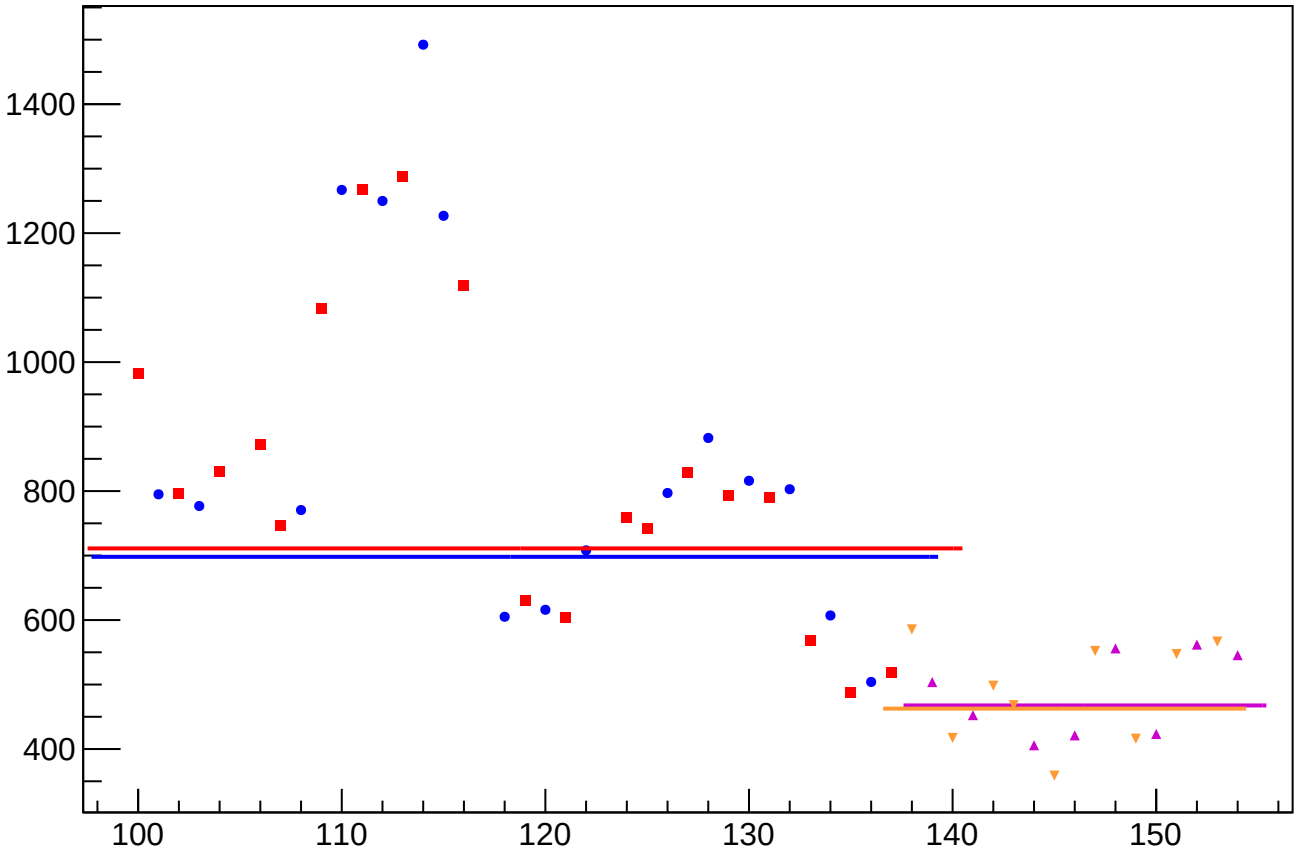
Left: 151.347+/-126.304 χ^2/NDF: 26.4/16

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -211.241+/-149.064 χ^2/NDF:21.6/23

Out: 285.761+/-148.667 χ^2/NDF:29.4/27

All: 37.924+/-105.264 χ^2/NDF: 56.6/51



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: 467.609+/-0.127 χ^2/NDF:217944.9/7

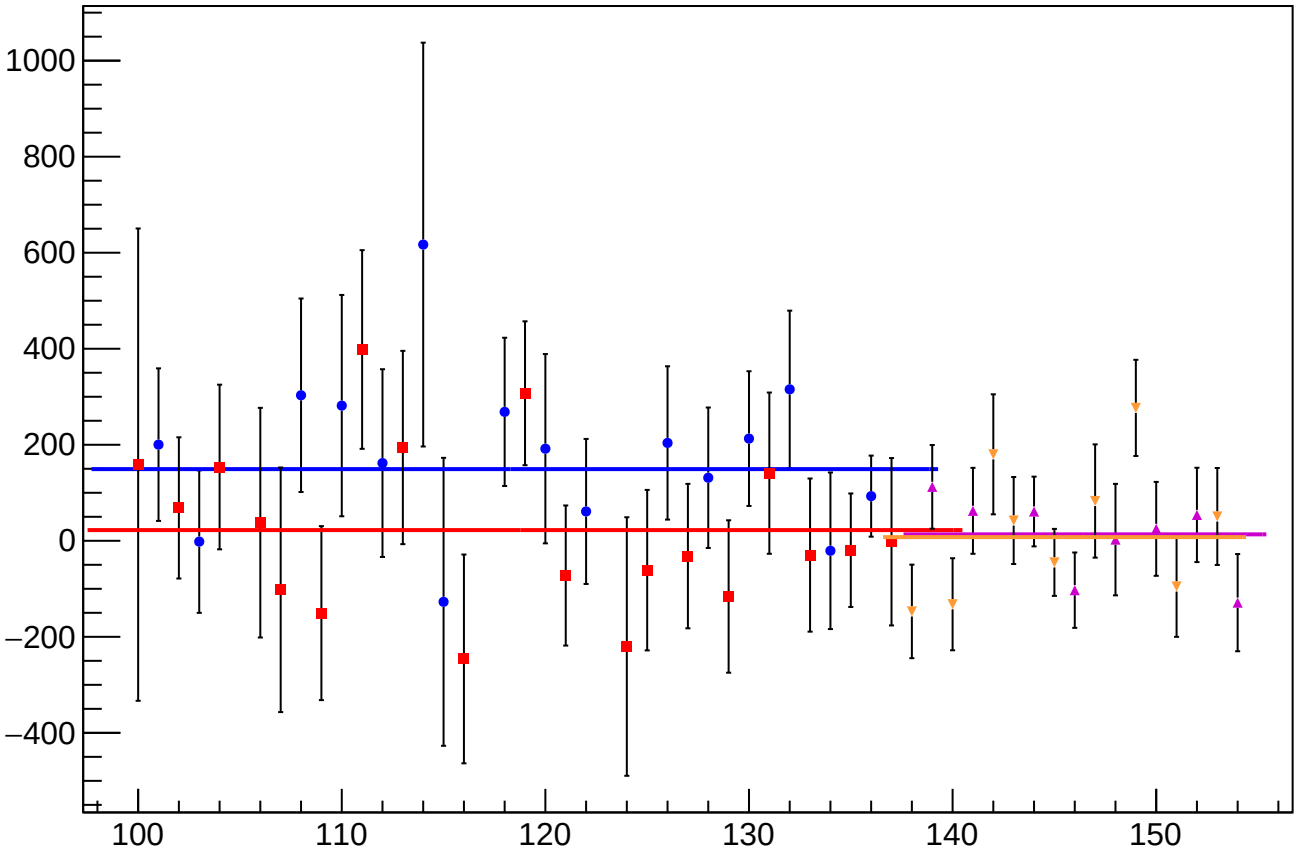
Left: 465.128+/-0.089 χ^2/NDF: 603972.1/16

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 538.578+/-0.105 χ^2/NDF:2149500.1/23

Out: 537.919+/-0.105 χ^2/NDF:2599395.9/27

All: 538.247+/-0.074 χ^2/NDF: 4748915.6/51



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: 13.407+/-31.806 χ^2/NDF:6.4/7

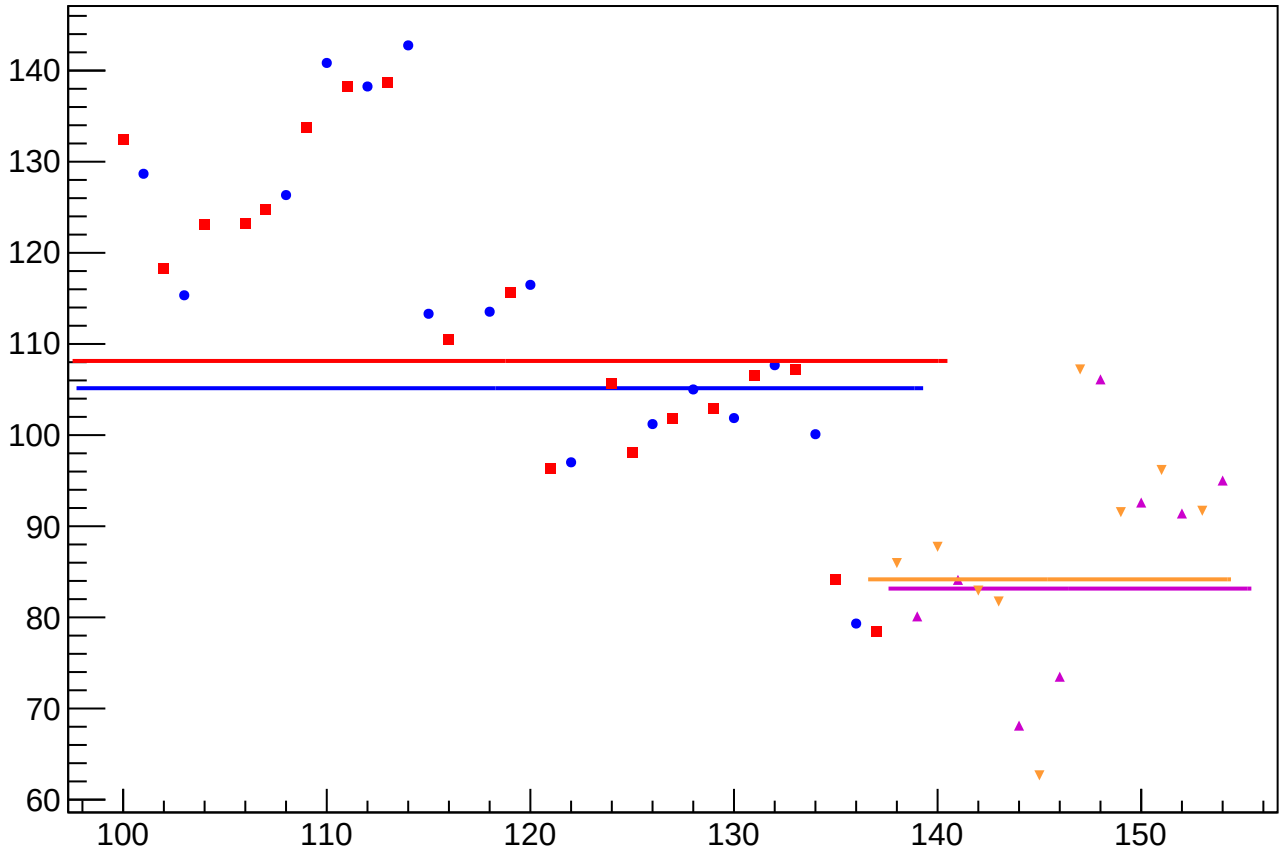
Left: 10.583+/-22.619 χ^2/NDF: 22.4/16

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 66.550+/-24.819 χ^2/NDF:21.5/23

Out: 13.408+/-25.101 χ^2/NDF:30.3/27

All: 40.279+/-17.649 χ^2/NDF: 54.1/51



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: 83.159+/-0.022 χ^2/NDF:257230.0/7

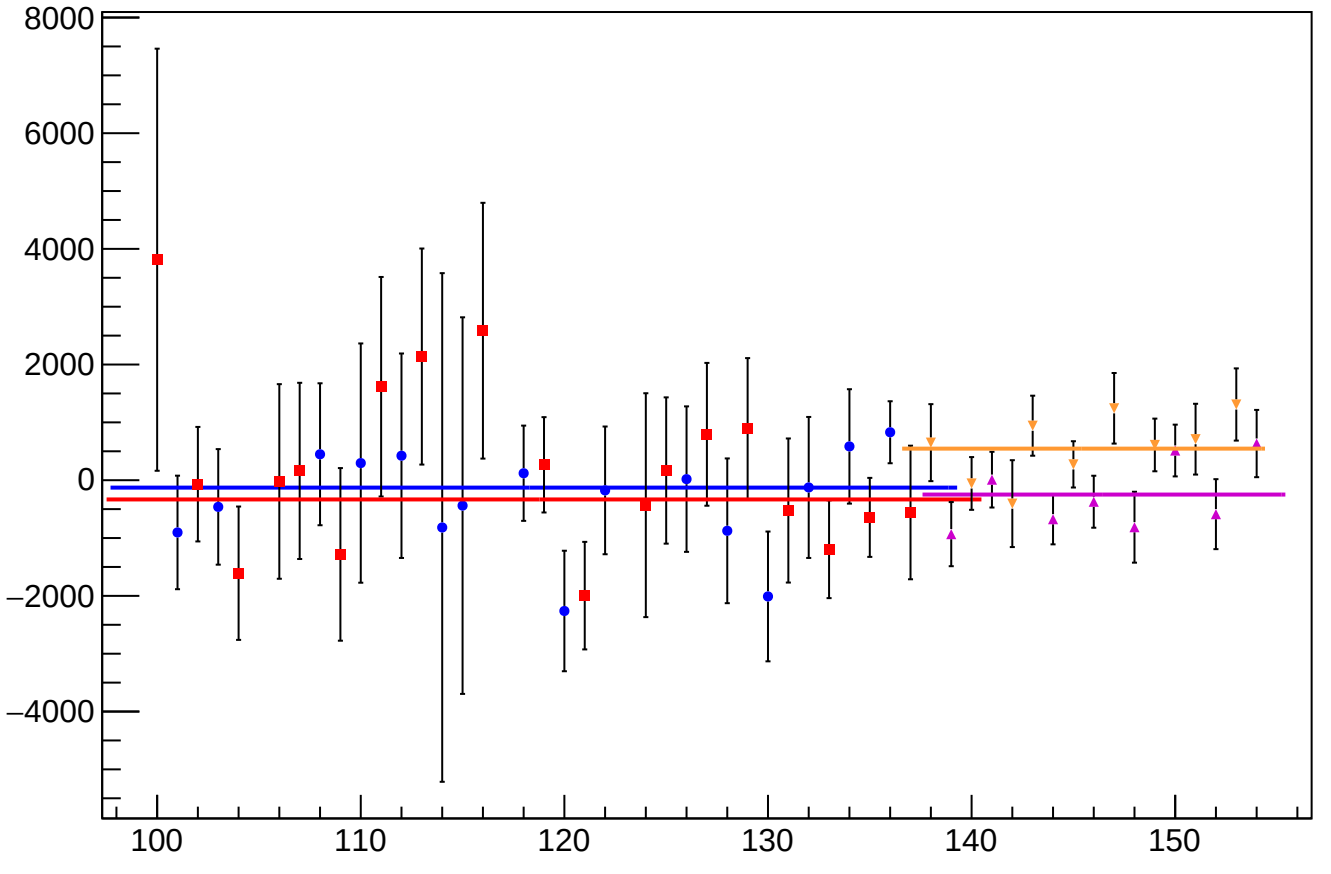
Left: 83.660+/-0.016 χ^2/NDF: 577737.9/16

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.758+/-0.018 χ^2/NDF:1039441.9/23

Out: 93.552+/-0.018 χ^2/NDF:1100022.7/27

All: 92.645+/-0.012 χ^2/NDF: 2144633.0/51



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: -248.258+/-179.188 χ^2/NDF:9.2/7

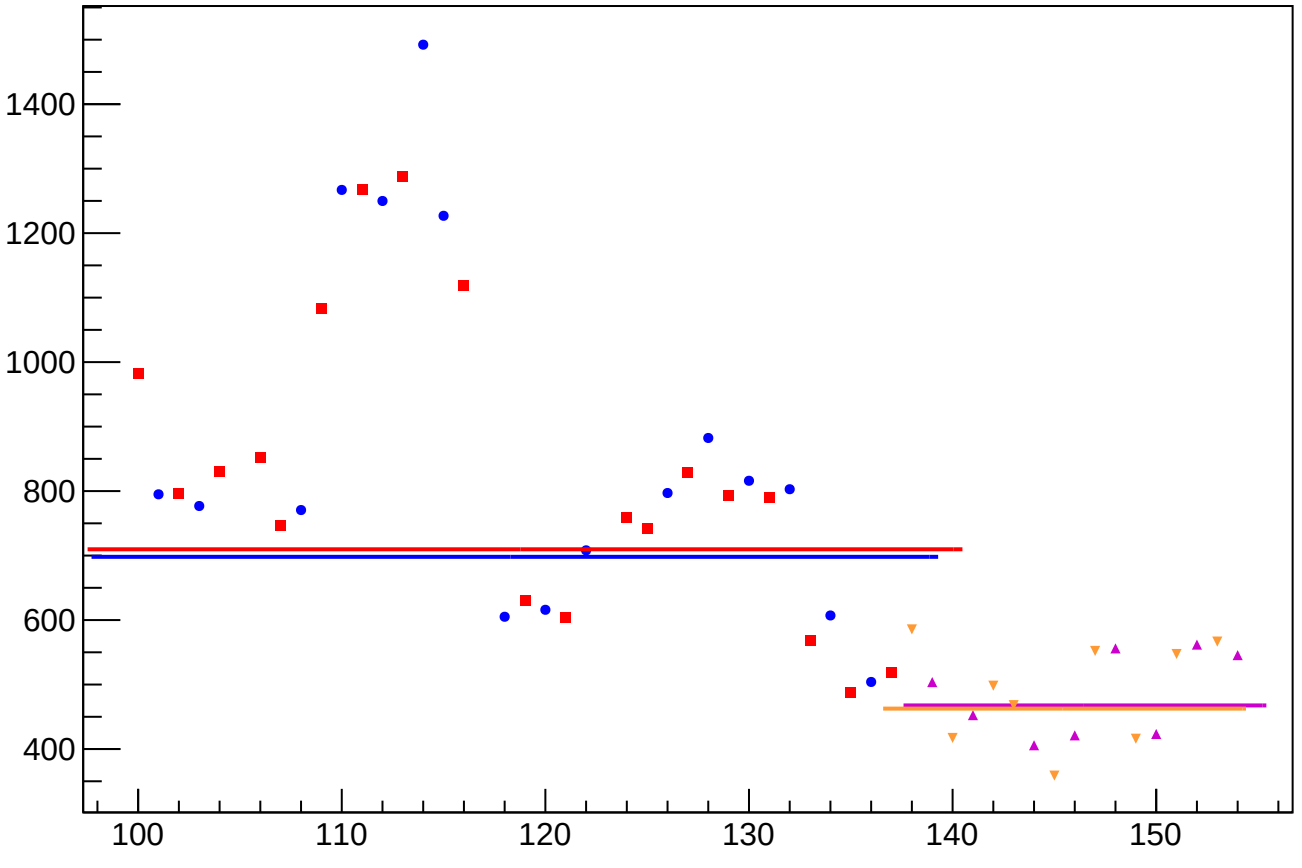
Left: 151.348+/-126.304 χ^2/NDF: 26.4/16

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -211.237+/-149.065 χ^2/NDF:21.6/23

Out: 280.780+/-148.784 χ^2/NDF:29.4/27

All: 35.235+/-105.305 χ^2/NDF: 56.5/51



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: 467.609+/-0.127 χ^2/NDF:217943.0/7

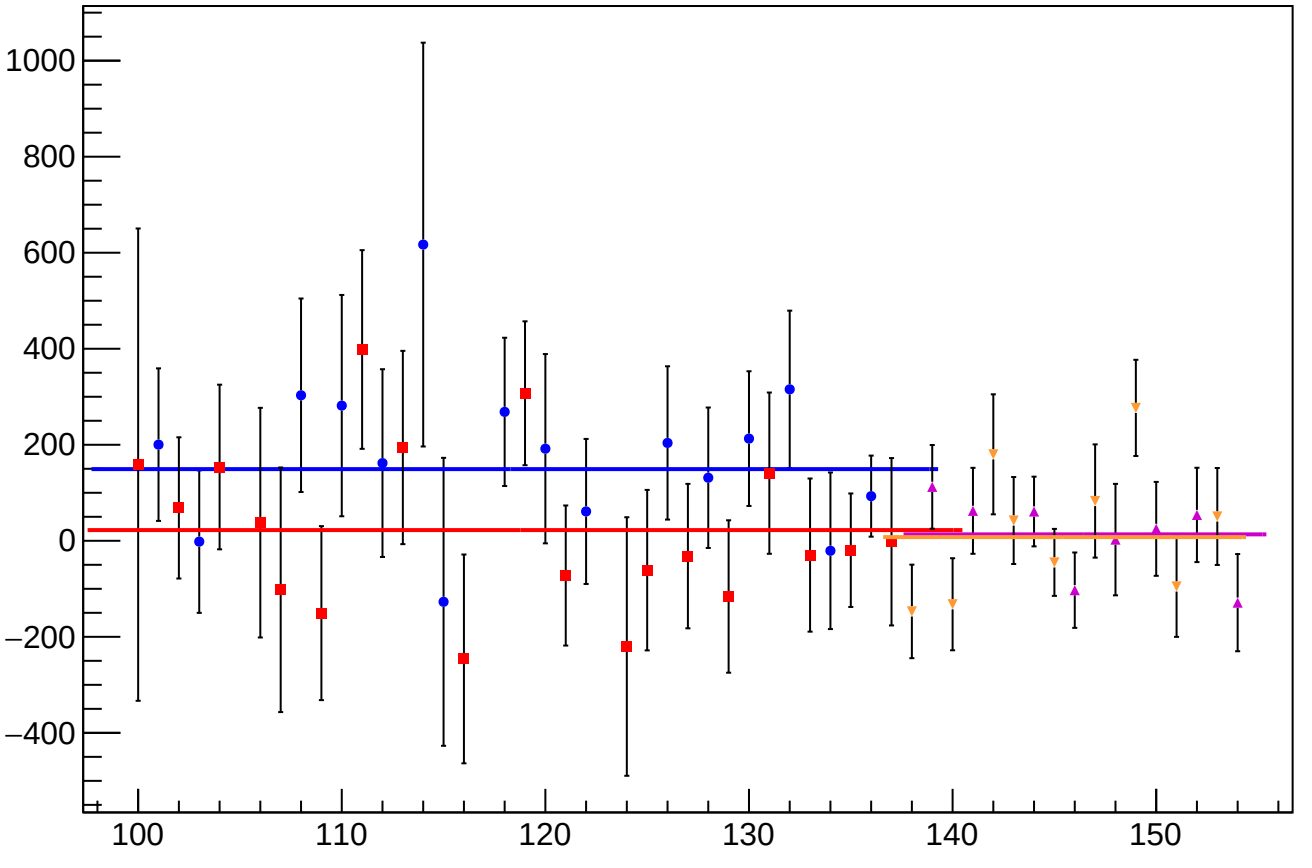
Left: 465.128+/-0.089 χ^2/NDF: 603971.7/16

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.578+/-0.105 χ^2/NDF:2149510.5/23

Out: 537.242+/-0.105 χ^2/NDF:2574481.9/27

All: 537.909+/-0.074 χ^2/NDF: 4724072.9/51



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: 13.407+/-31.806 χ^2/NDF:6.4/7

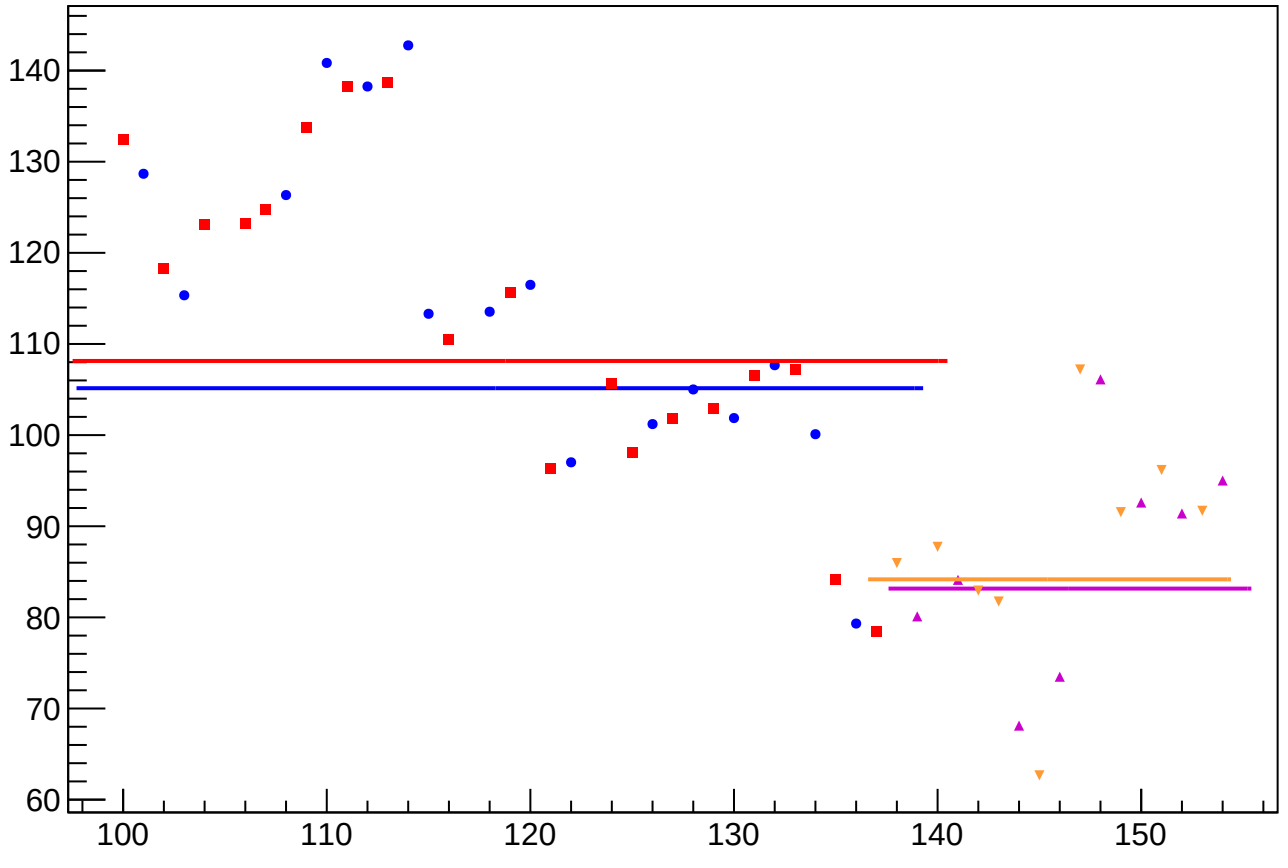
Left: 10.583+/-22.619 χ^2/NDF: 22.4/16

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 66.550+/-24.819 χ^2/NDF:21.5/23

Out: 13.408+/-25.101 χ^2/NDF:30.3/27

All: 40.279+/-17.649 χ^2/NDF: 54.1/51



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: 83.159+/-0.022 χ^2/NDF:257230.0/7

Left: 83.660+/-0.016 χ^2/NDF: 577737.9/16

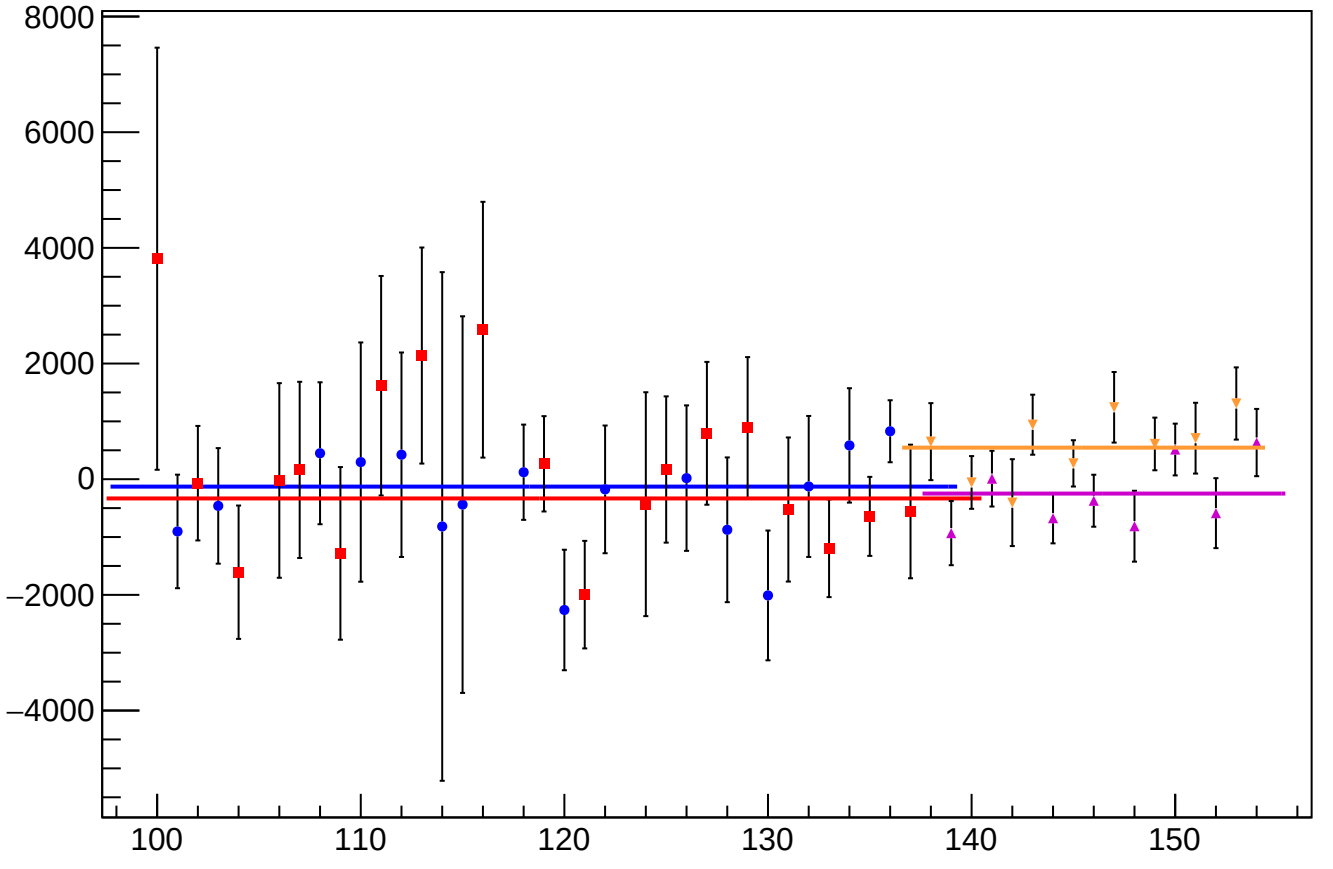
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.758+/-0.018 χ^2/NDF:1039441.9/23

Out: 93.552+/-0.018 χ^2/NDF:1100022.7/27

All: 92.645+/-0.012 χ^2/NDF: 2144633.0/51

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: -248.258+/-179.188 χ^2/NDF:9.2/7

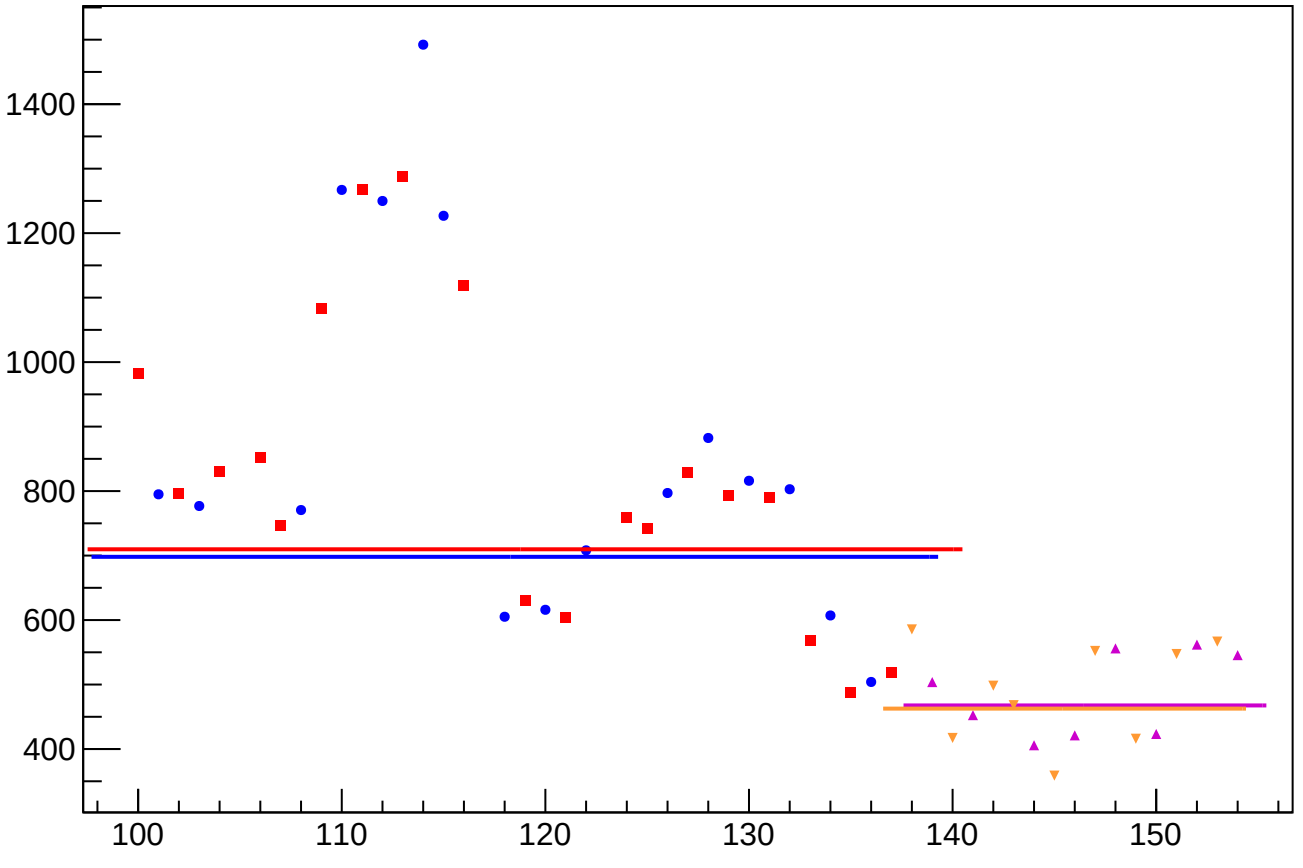
Left: 151.348+/-126.304 χ^2/NDF: 26.4/16

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -211.237+/-149.065 χ^2/NDF:21.6/23

Out: 280.780+/-148.784 χ^2/NDF:29.4/27

All: 35.235+/-105.305 χ^2/NDF: 56.5/51



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: 467.609+/-0.127 χ^2/NDF:217943.0/7

Left: 465.128+/-0.089 χ^2/NDF: 603971.7/16

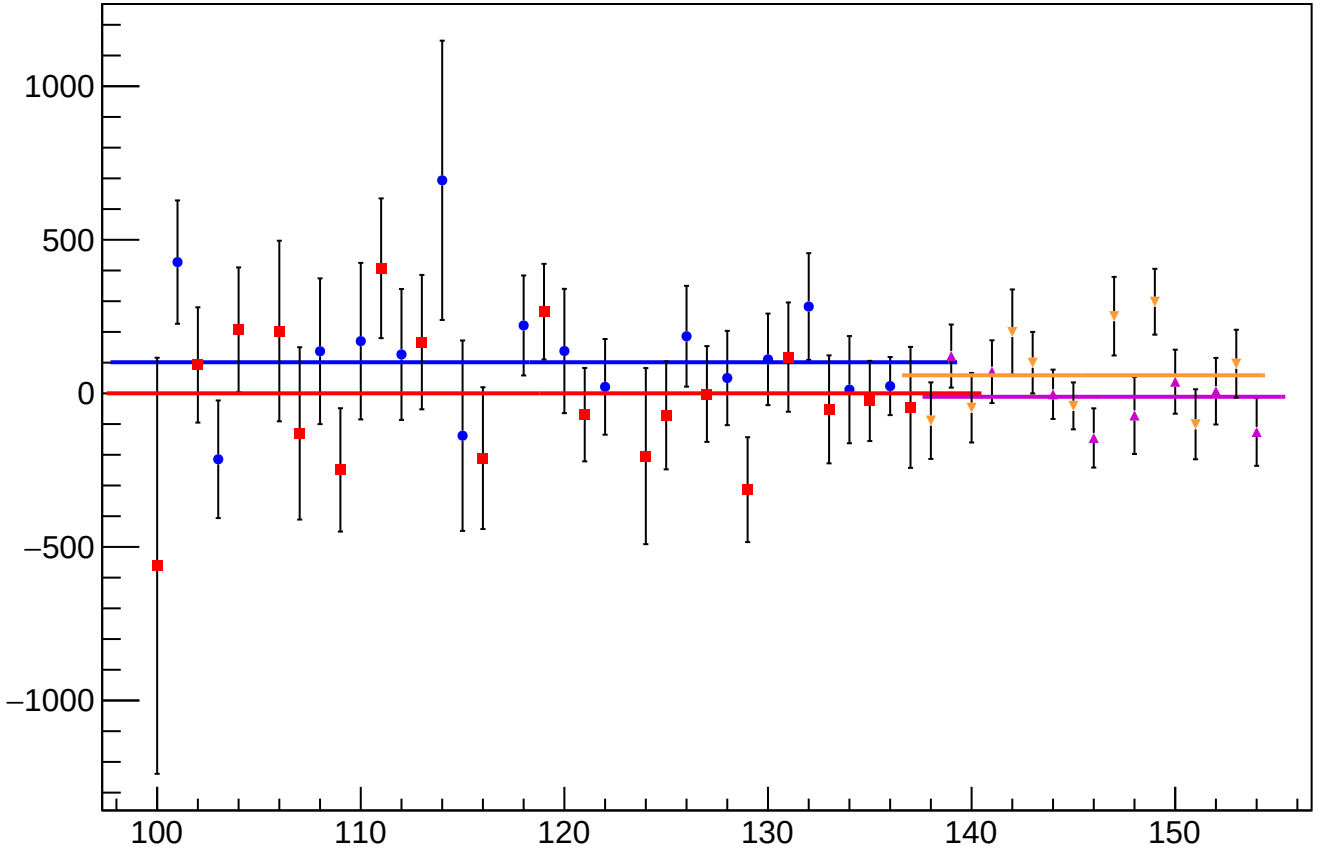
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.578+/-0.105 χ^2/NDF:2149510.5/23

Out: 537.242+/-0.105 χ^2/NDF:2574481.9/27

All: 537.909+/-0.074 χ^2/NDF: 4724072.9/51

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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: -11.098+/-35.904 χ^2/NDF:5.8/7

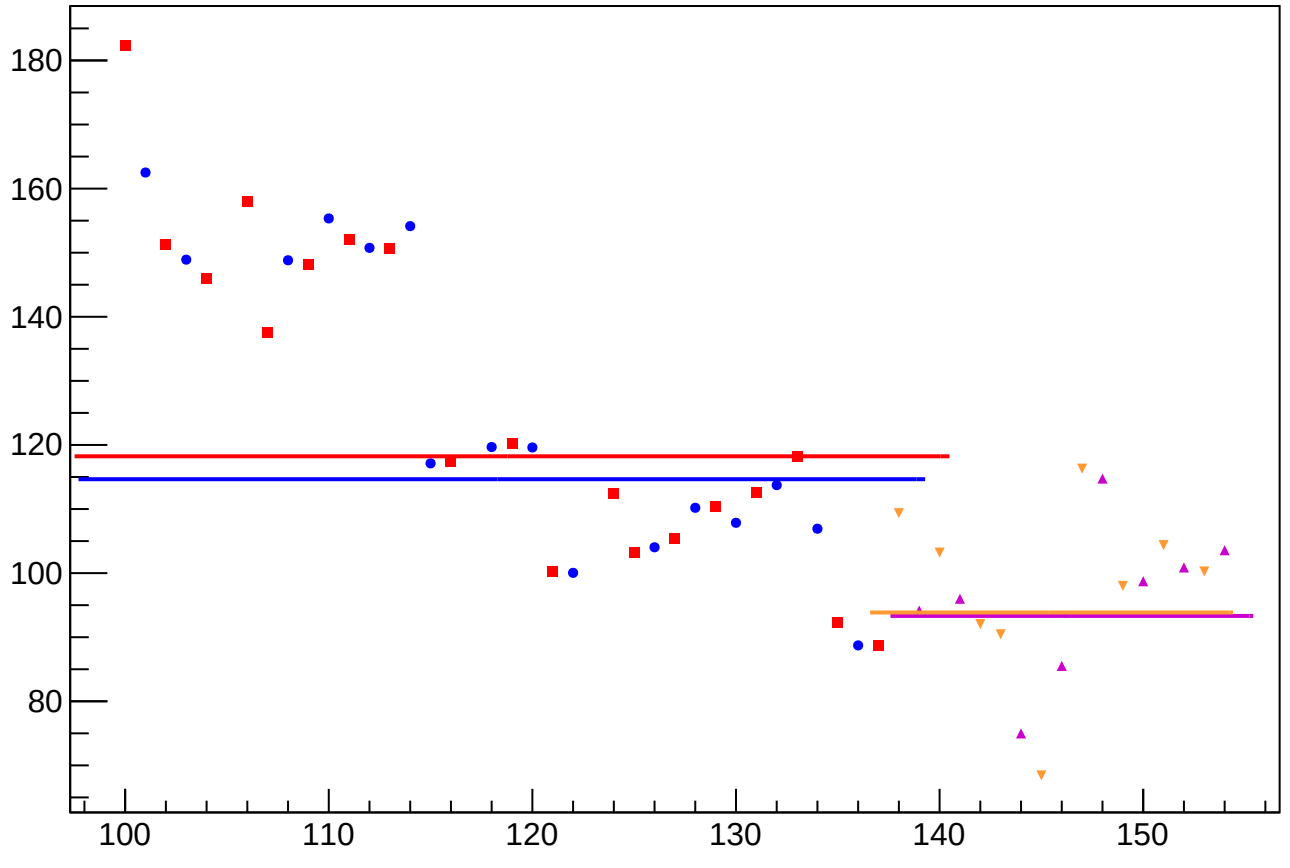
Left: 23.814+/-25.414 χ^2/NDF: 22.2/16

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 34.427+/-27.693 χ^2/NDF:20.8/23

Out: 35.353+/-27.860 χ^2/NDF:32.2/27

All: 34.887+/-19.641 χ^2/NDF: 53.0/51



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: 93.323+/-0.025 χ^2/NDF:209528.6/7

Left: 93.590+/-0.018 χ^2/NDF: 566846.0/16

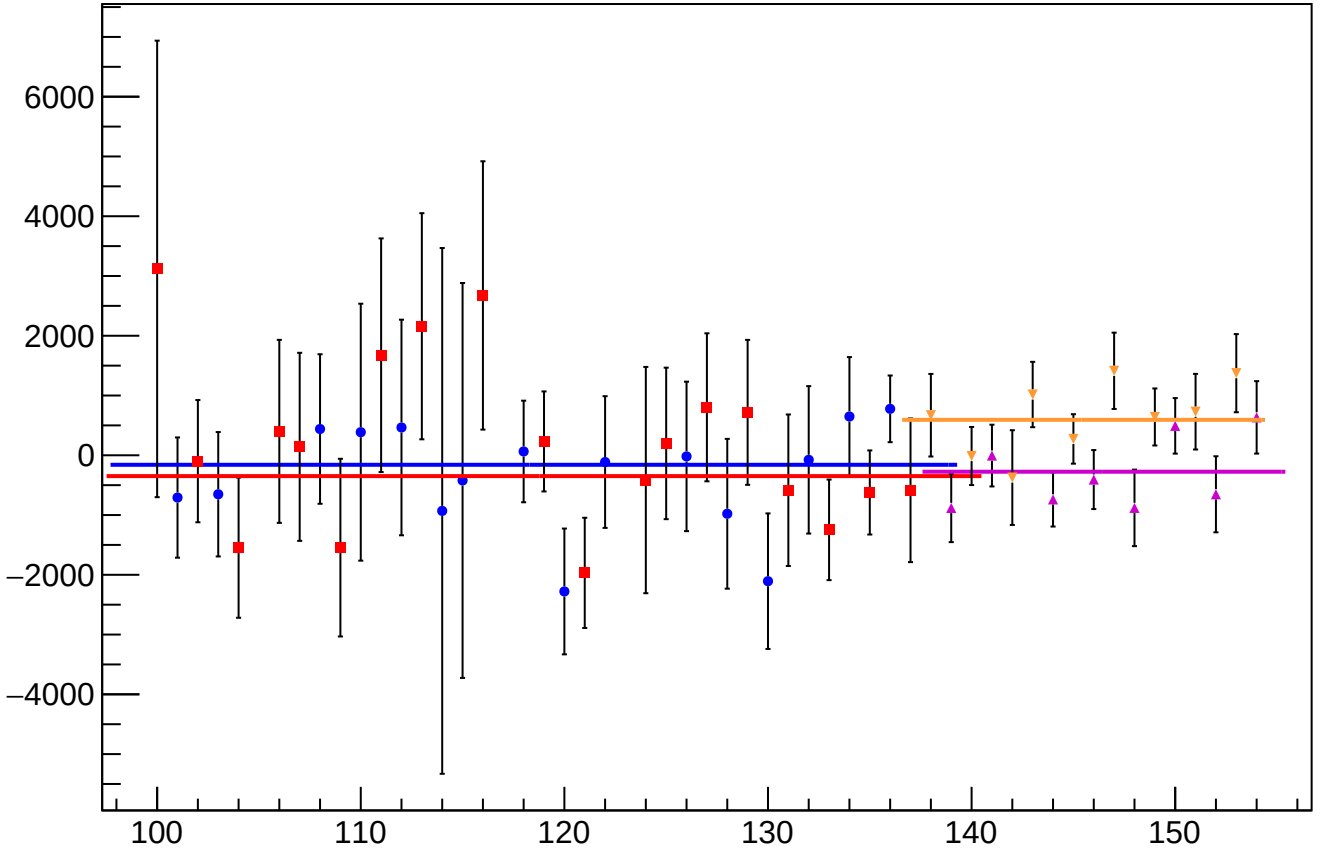
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.964+/-0.020 χ^2/NDF:1027501.0/23

Out: 103.614+/-0.020 χ^2/NDF:1207920.9/27

All: 102.784+/-0.014 χ^2/NDF: 2238951.0/51

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



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: -275.124+/-188.934 χ^2/NDF:8.7/7

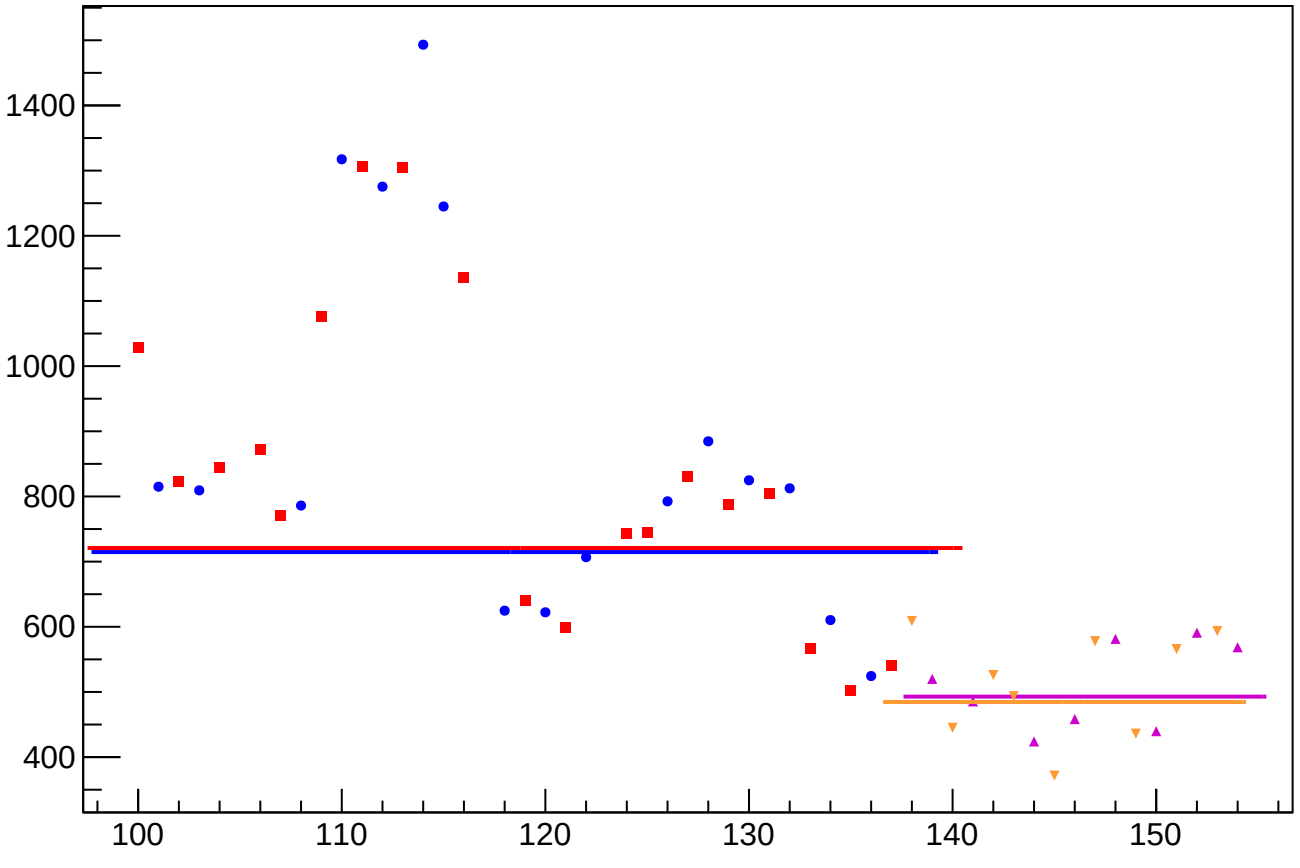
Left: 164.898+/-132.688 χ^2/NDF: 26.8/16

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -237.842+/-155.643 χ^2/NDF:20.8/23

Out: 294.644+/-154.041 χ^2/NDF:29.8/27

All: 31.156+/-109.485 χ^2/NDF: 56.5/51



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: 492.856+/-0.134 χ^2/NDF:203681.5/7

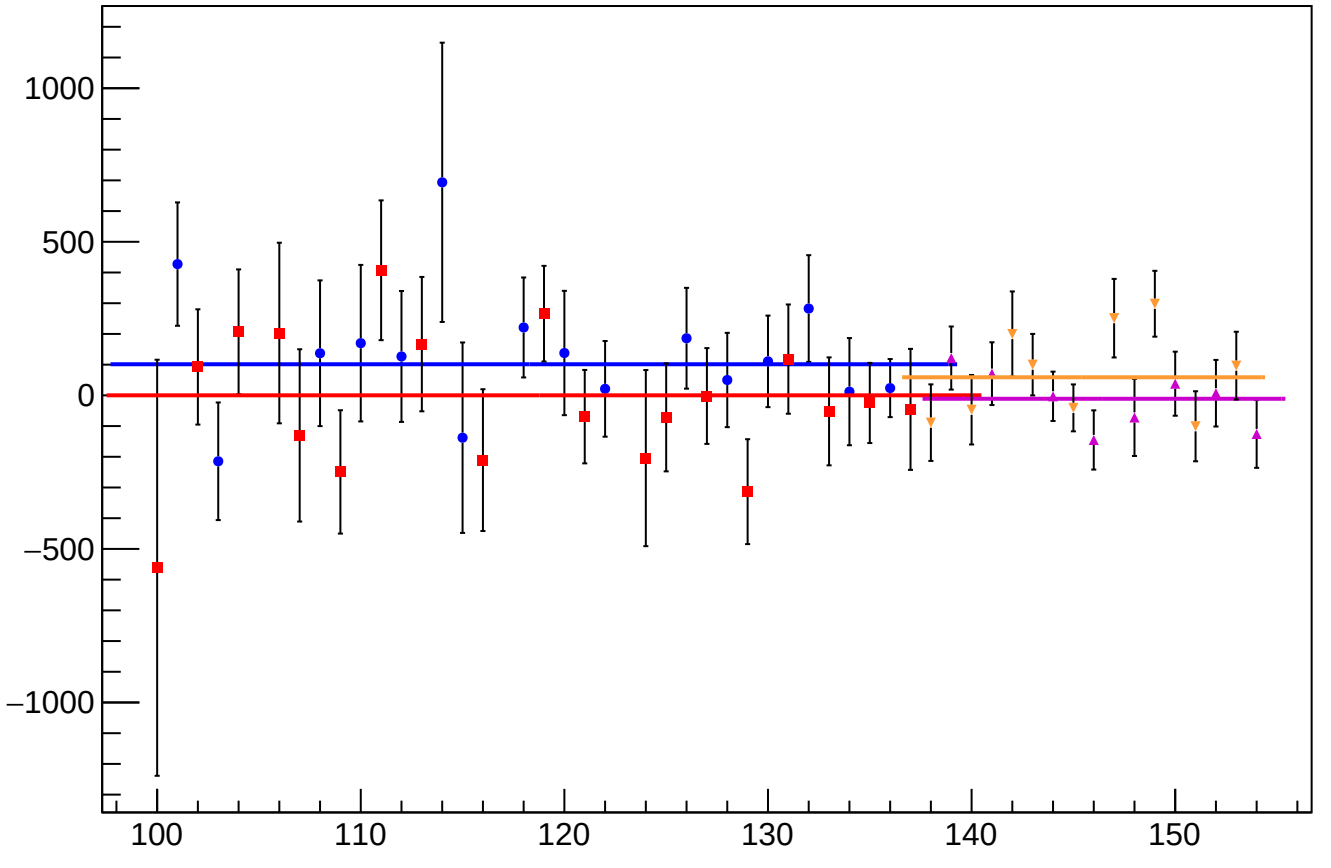
Left: 488.706+/-0.094 χ^2/NDF: 590581.7/16

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 564.137+/-0.110 χ^2/NDF:1965758.9/23

Out: 559.547+/-0.109 χ^2/NDF:2421698.3/27

All: 561.818+/-0.077 χ^2/NDF: 4388335.9/51



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: -11.099+/-35.904 χ^2/NDF:5.8/7

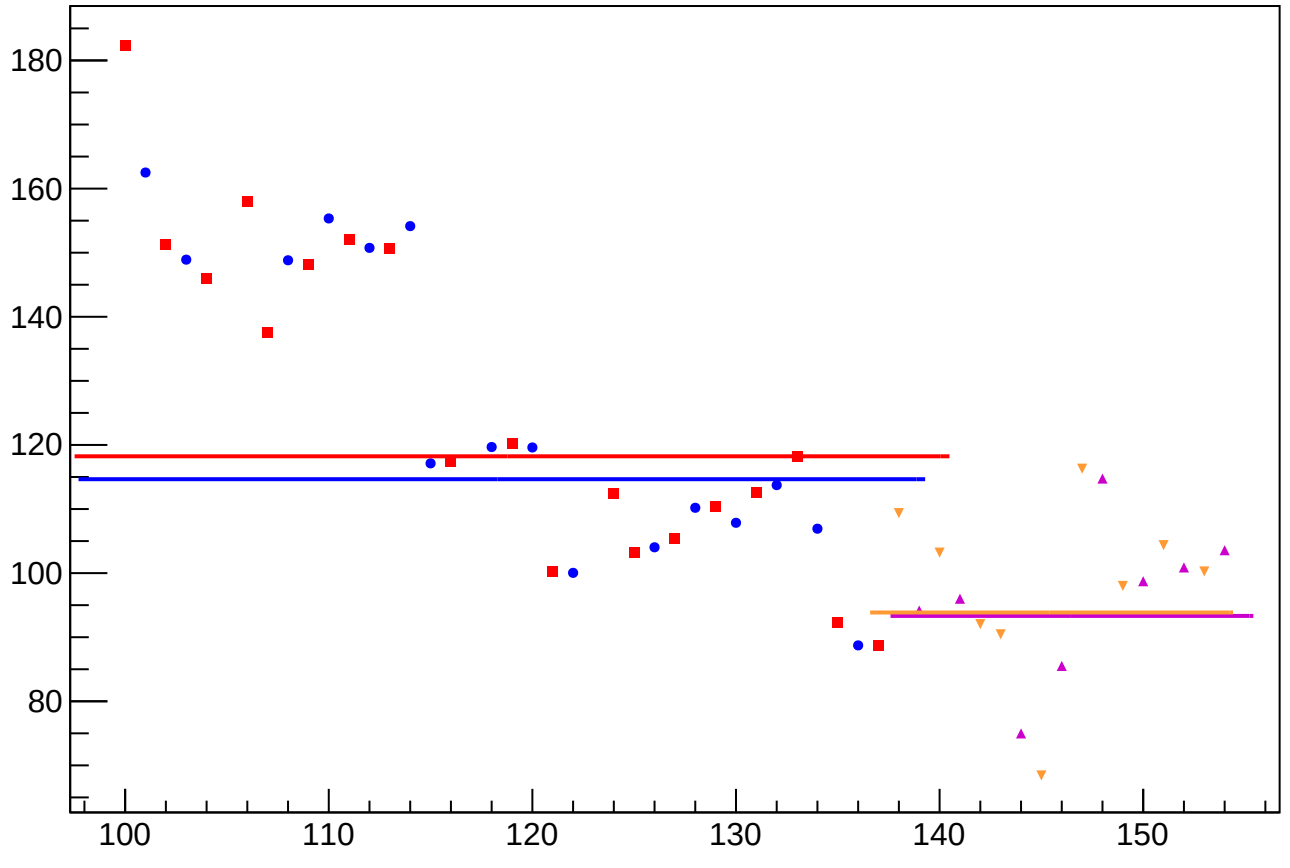
Left: 23.813+/-25.414 χ^2/NDF: 22.2/16

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 34.426+/-27.693 χ^2/NDF:20.8/23

Out: 35.352+/-27.860 χ^2/NDF:32.2/27

All: 34.886+/-19.641 χ^2/NDF: 53.0/51



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: 93.323+/-0.025 χ^2/NDF:209528.7/7

Left: 93.590+/-0.018 χ^2/NDF: 566851.6/16

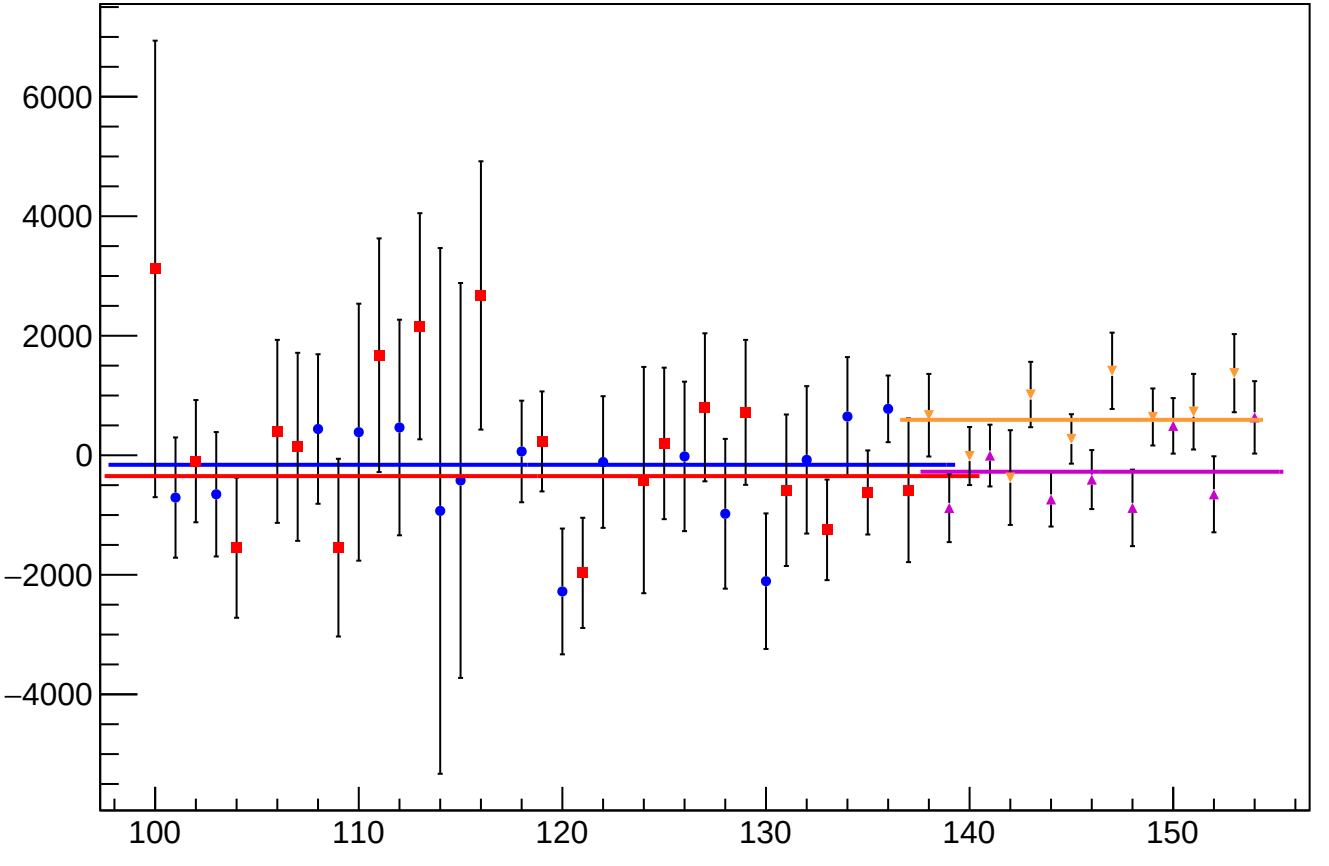
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.964+/-0.020 χ^2/NDF:1027490.1/23

Out: 103.614+/-0.020 χ^2/NDF:1207919.4/27

All: 102.784+/-0.014 χ^2/NDF: 2238938.3/51

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: -275.125+/-188.934 χ^2/NDF:8.7/7

Left: 164.898+/-132.688 χ^2/NDF: 26.8/16

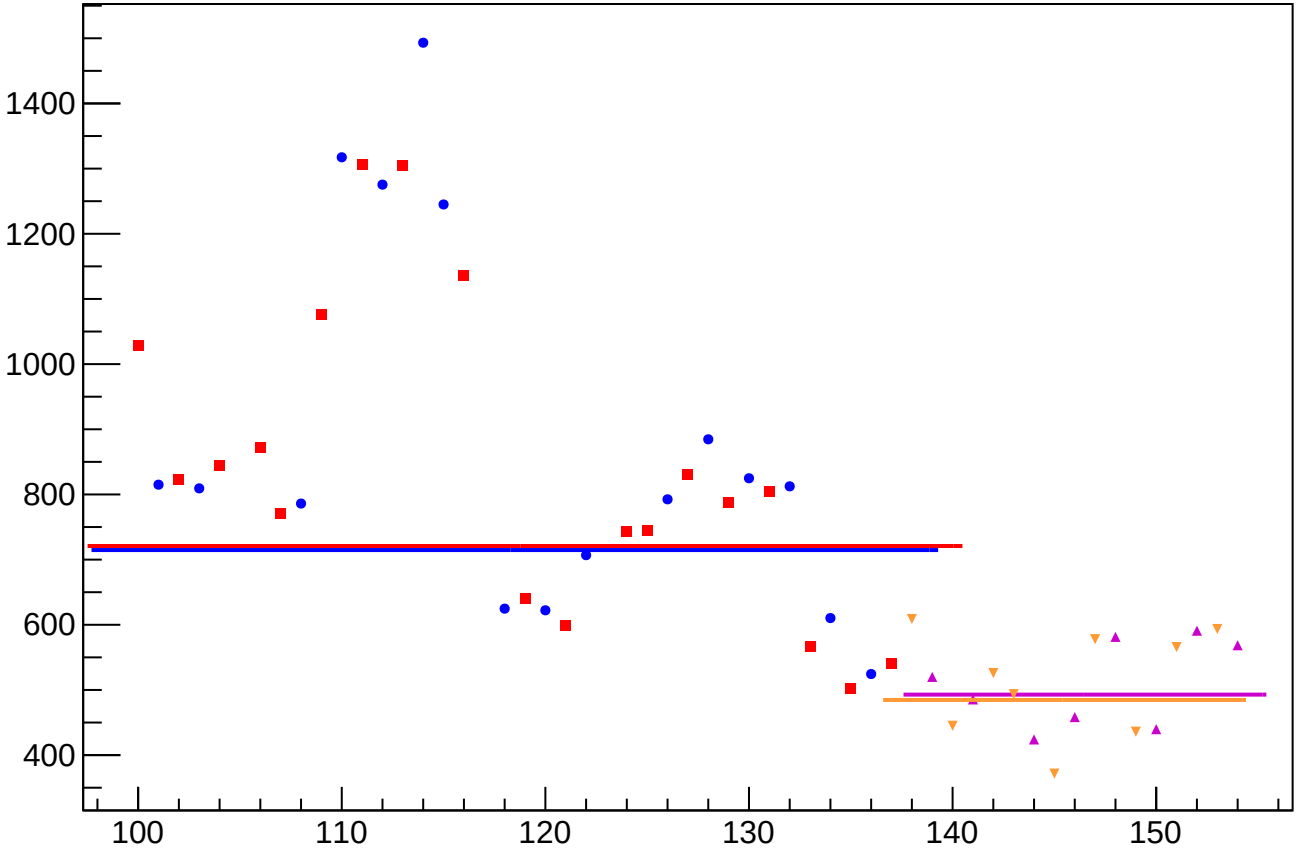
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -237.843+/-155.643 χ^2/NDF:20.8/23

Out: 294.643+/-154.041 χ^2/NDF:29.8/27

All: 31.155+/-109.485 χ^2/NDF: 56.5/51

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: 492.856+/-0.134 χ^2/NDF:203680.1/7

Left: 488.706+/-0.094 χ^2/NDF: 590583.6/16

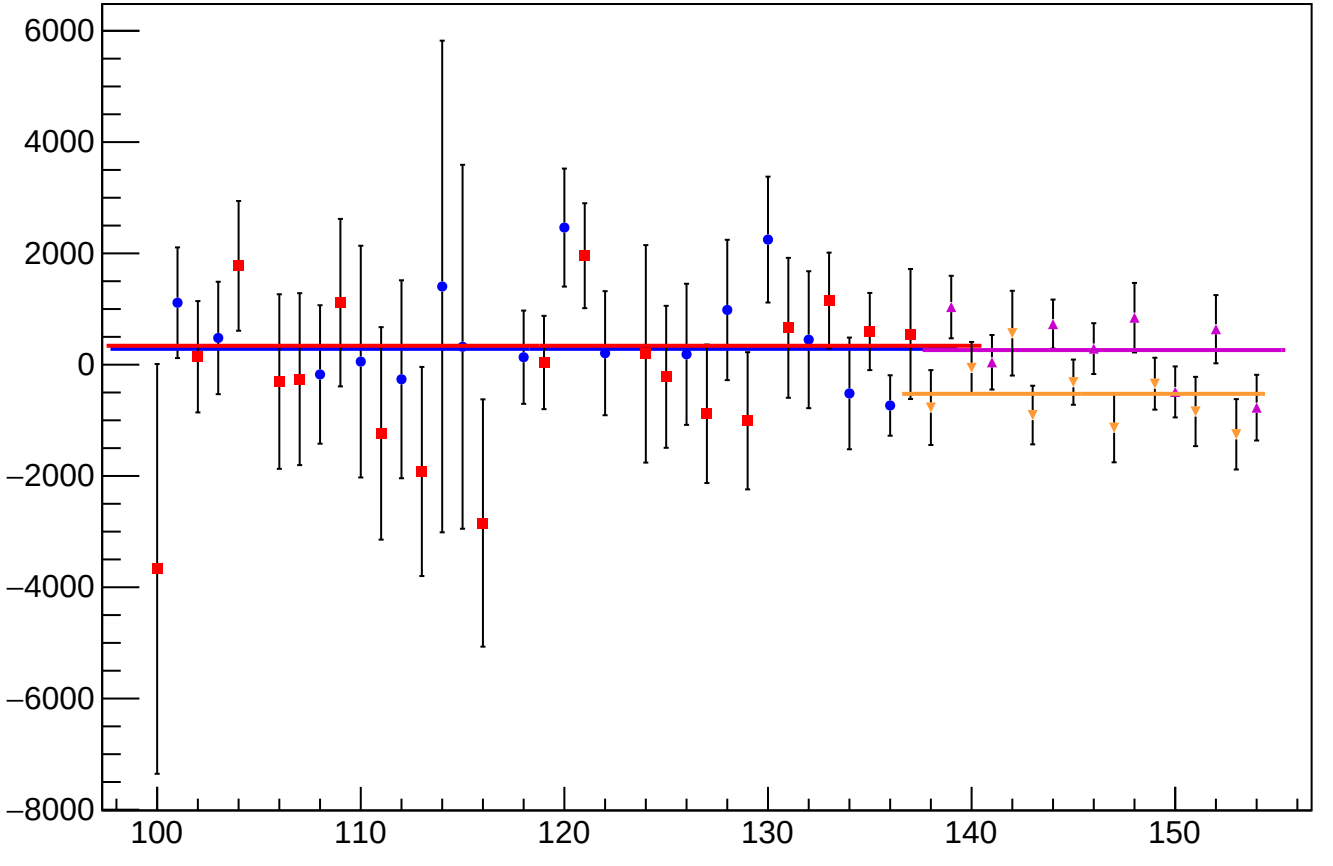
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 564.137+/-0.110 χ^2/NDF:1965749.3/23

Out: 559.547+/-0.109 χ^2/NDF:2421692.0/27

All: 561.819+/-0.077 χ^2/NDF: 4388320.1/51

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: 262.569+/-182.196 χ^2/NDF:10.2/7

Left: -132.798+/-128.478 χ^2/NDF: 26.3/16

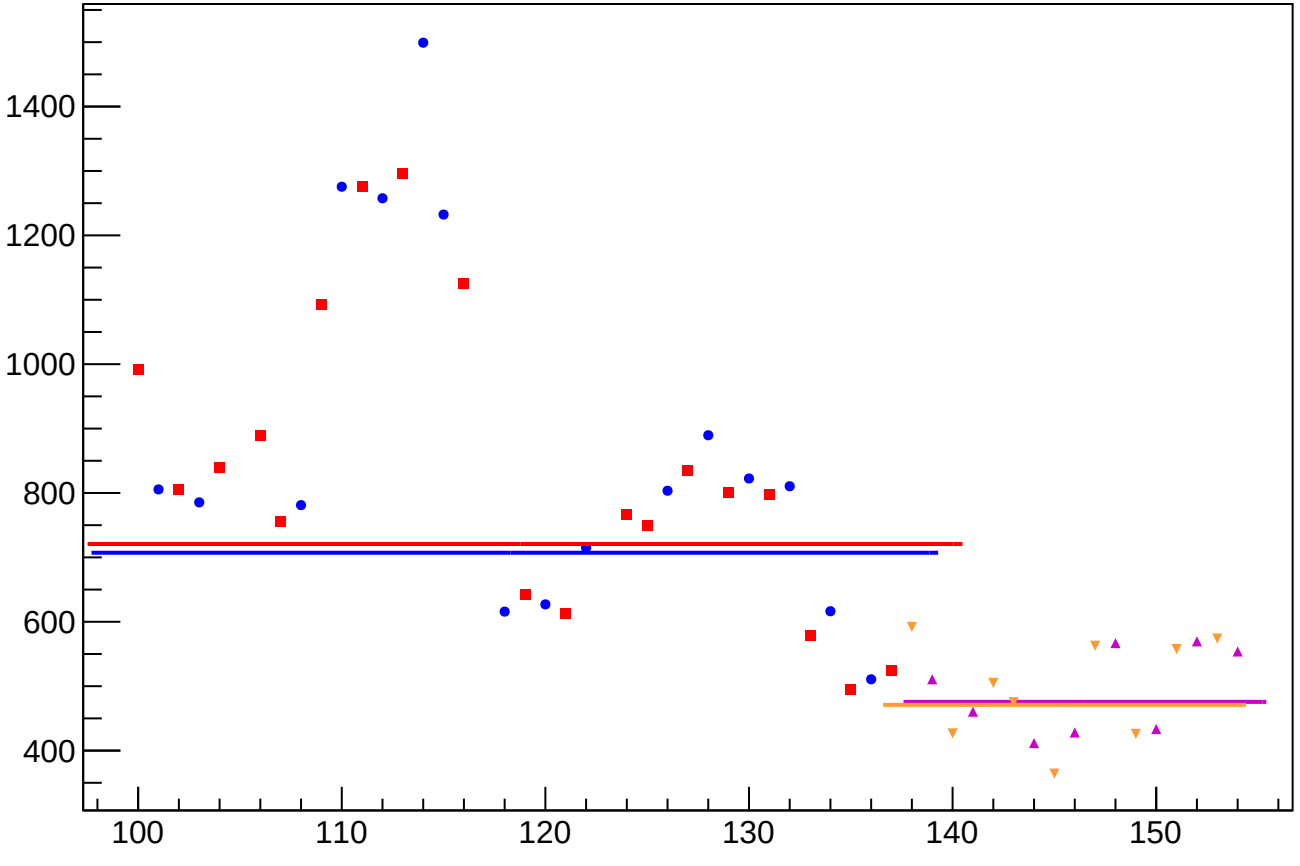
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 269.450+/-151.365 χ^2/NDF:23.0/23

Out: -260.468+/-151.071 χ^2/NDF:27.7/27

All: 3.976+/-106.927 χ^2/NDF: 56.8/51

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: 475.605+/-0.129 χ^2/NDF:215234.0/7

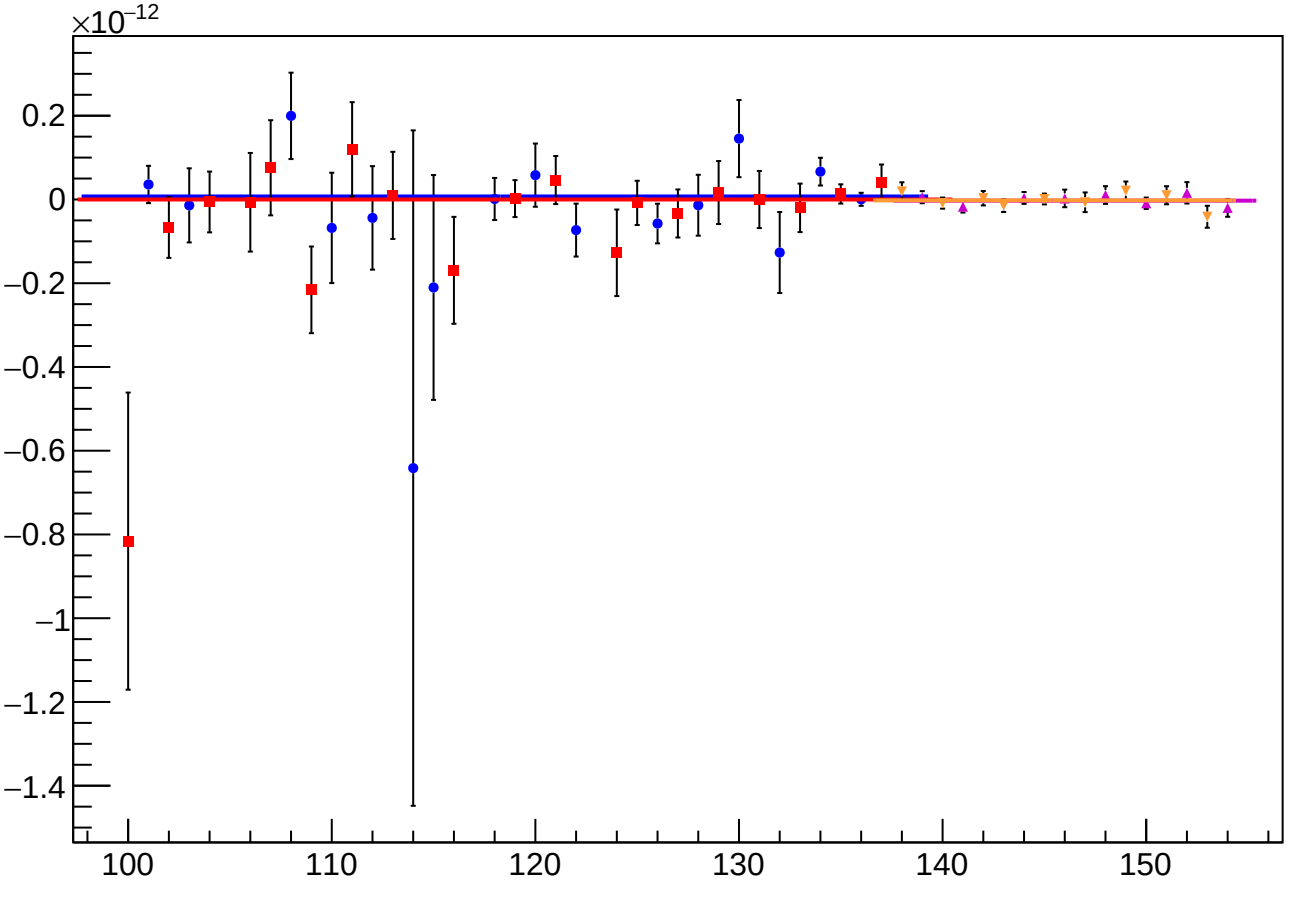
Left: 473.329+/-0.091 χ^2/NDF: 594938.0/16

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 547.358+/-0.107 χ^2/NDF:2113158.2/23

Out: 547.207+/-0.107 χ^2/NDF:2552306.9/27

All: 547.282+/-0.076 χ^2/NDF: 4665466.1/51



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:3.5/7

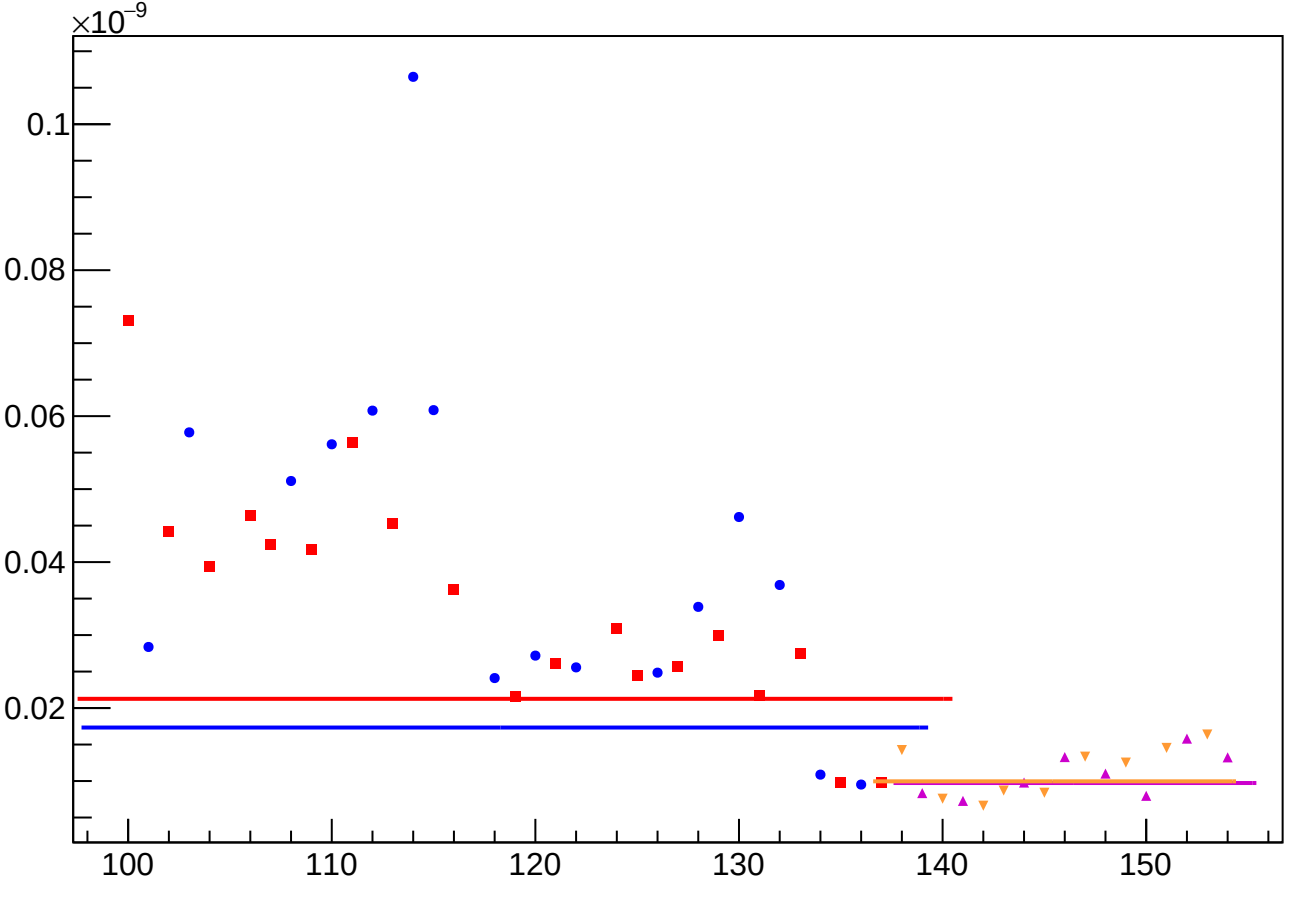
Left: -0.000+/-0.000 χ^2/NDF: 9.2/16

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:21.4/23

Out: -0.000+/-0.000 χ^2/NDF:23.5/27

All: -0.000+/-0.000 χ^2/NDF: 44.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:538771.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:344882.3/7

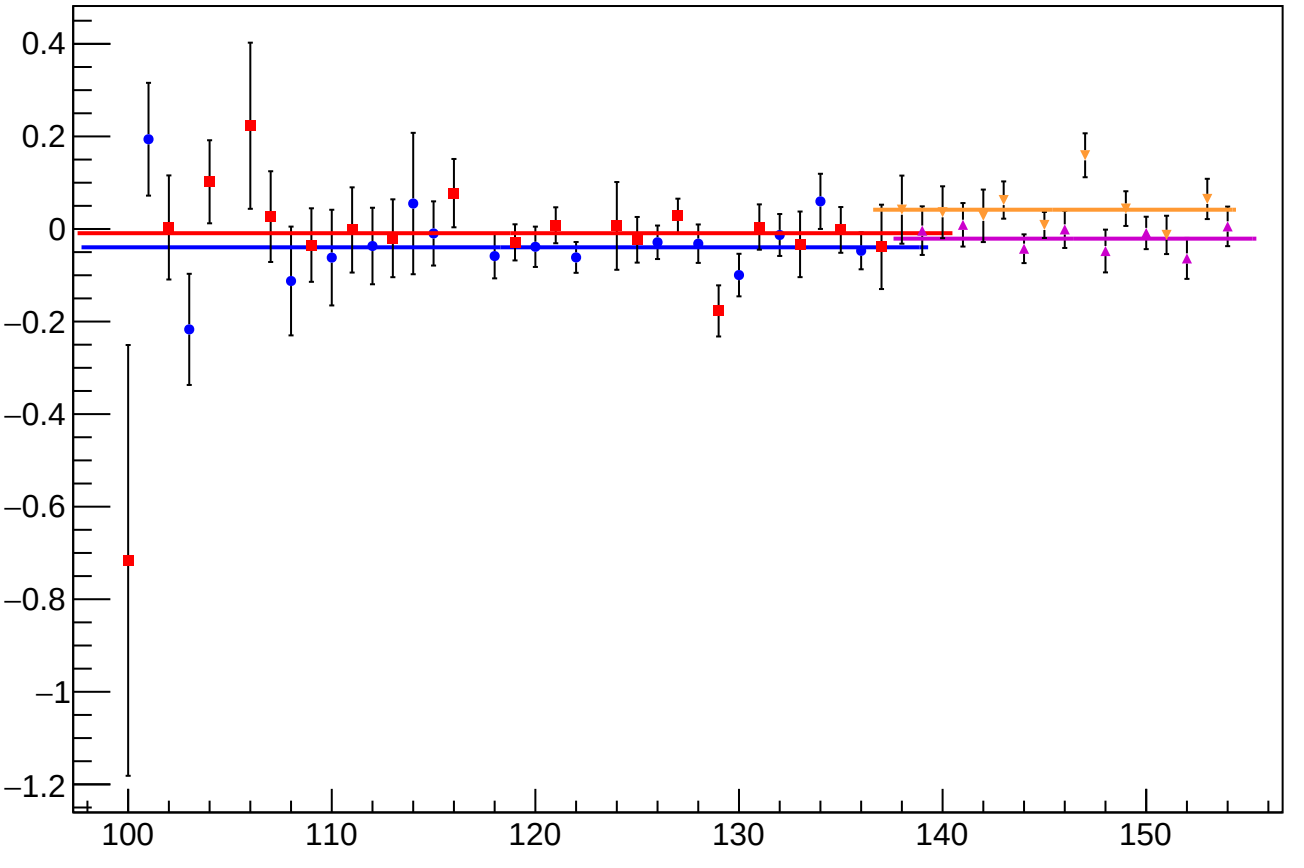
Left: 0.000+/-0.000 χ^2/NDF: 885186.6/16

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3406271.6/23

Out: 0.000+/-0.000 χ^2/NDF:3403950.4/27

All: 0.000+/-0.000 χ^2/NDF: 6817566.0/51



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: -0.021+/-0.014 χ^2/NDF:3.0/7

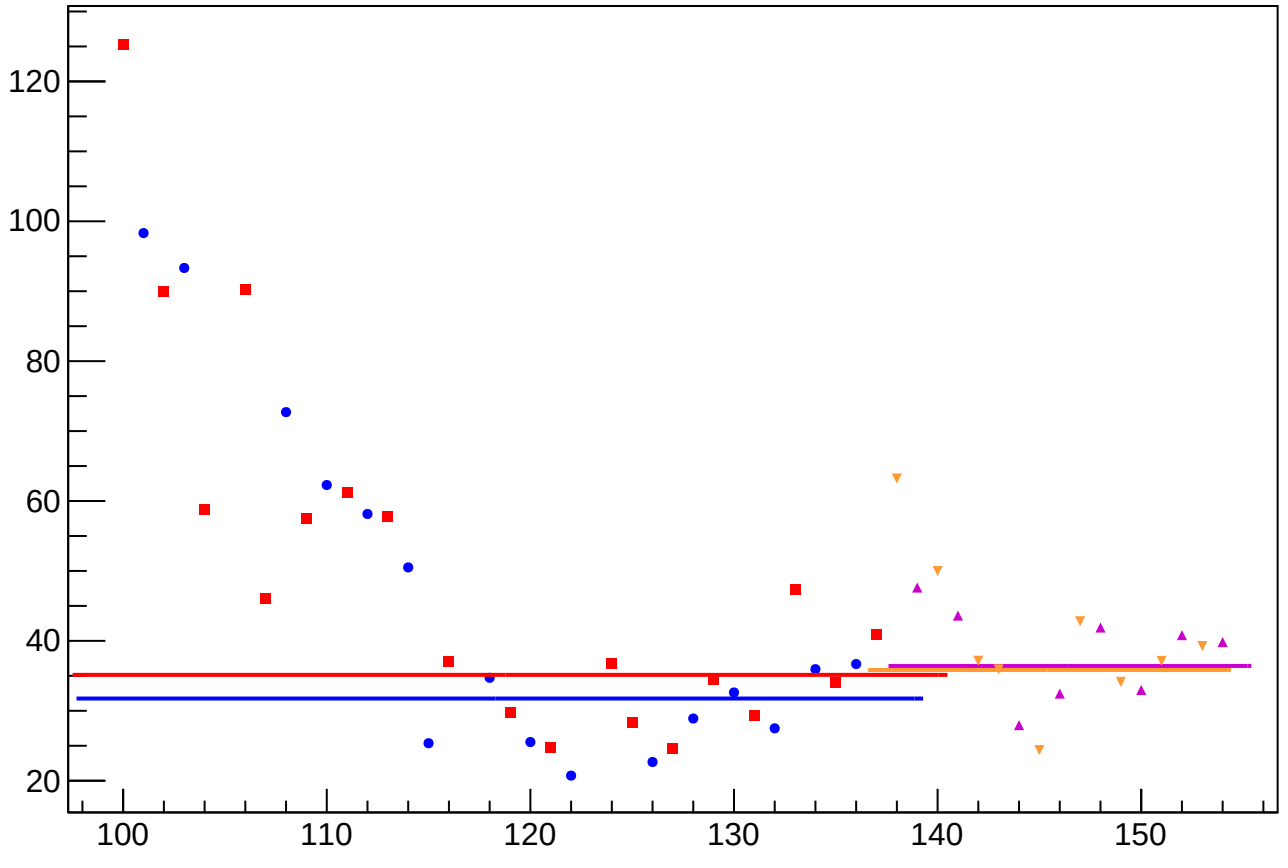
Left: 0.011+/-0.010 χ^2/NDF: 22.4/16

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:16.4/23

Out: 0.016+/-0.010 χ^2/NDF:34.6/27

All: -0.008+/-0.007 χ^2/NDF: 62.4/51



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: 36.415+/-0.010 χ^2/NDF:386018.5/7

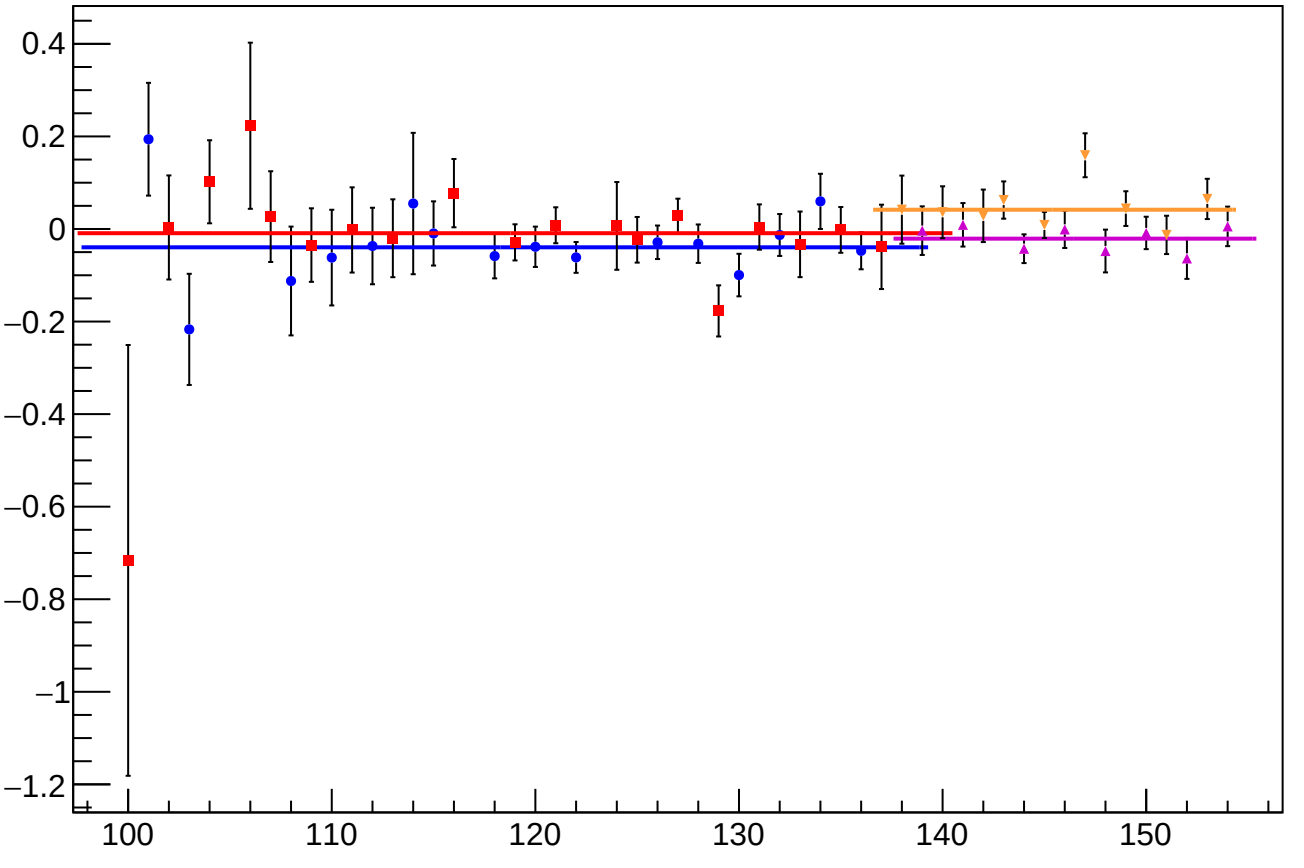
Left: 36.122+/-0.007 χ^2/NDF: 1185848.8/16

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.875+/-0.007 χ^2/NDF:2752402.3/23

Out: 35.488+/-0.007 χ^2/NDF:2645305.4/27

All: 34.656+/-0.005 χ^2/NDF: 5424398.0/51



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: -0.021+/-0.014 χ^2/NDF:3.0/7

Left: 0.011+/-0.010 χ^2/NDF: 22.4/16

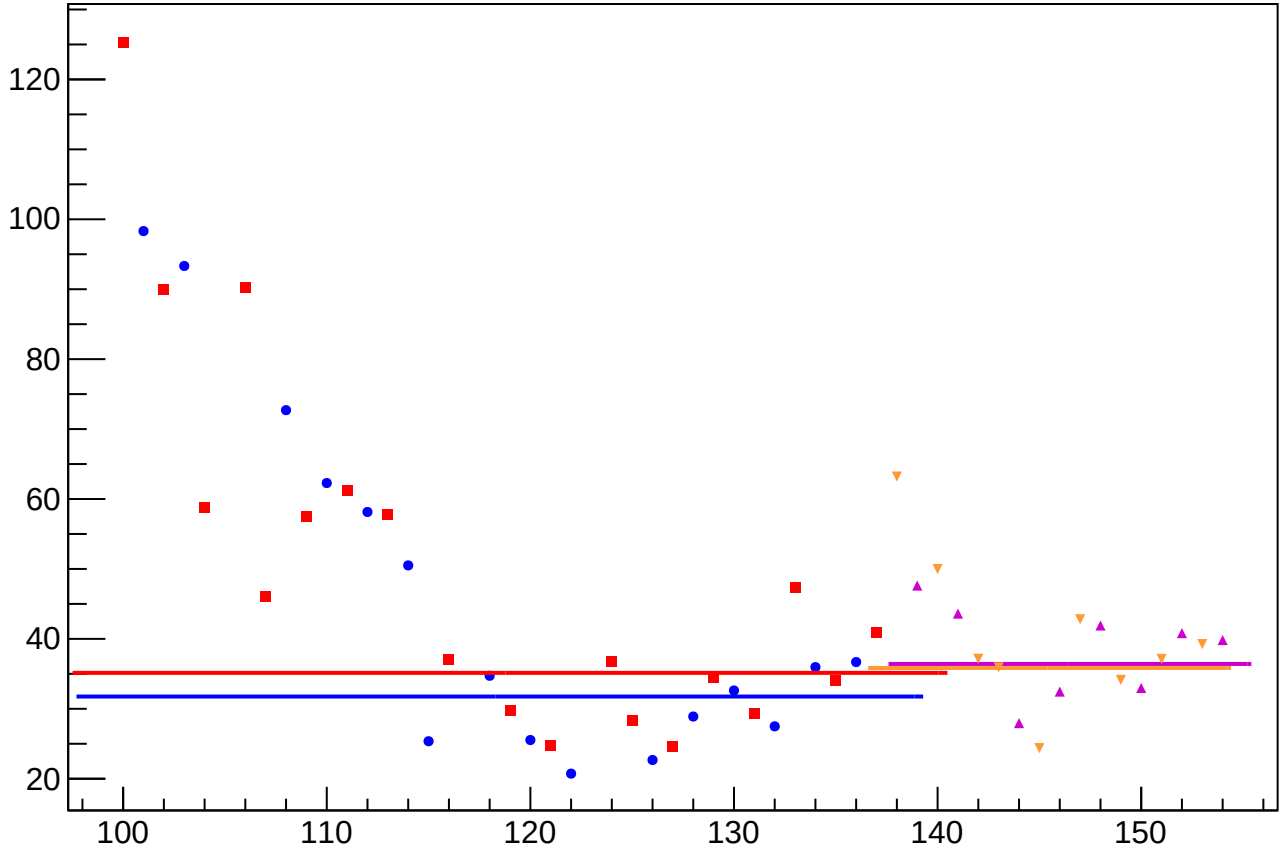
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:16.4/23

Out: 0.016+/-0.010 χ^2/NDF:34.6/27

All: -0.008+/-0.007 χ^2/NDF: 62.4/51

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: 36.415+/-0.010 χ^2/NDF:386018.5/7

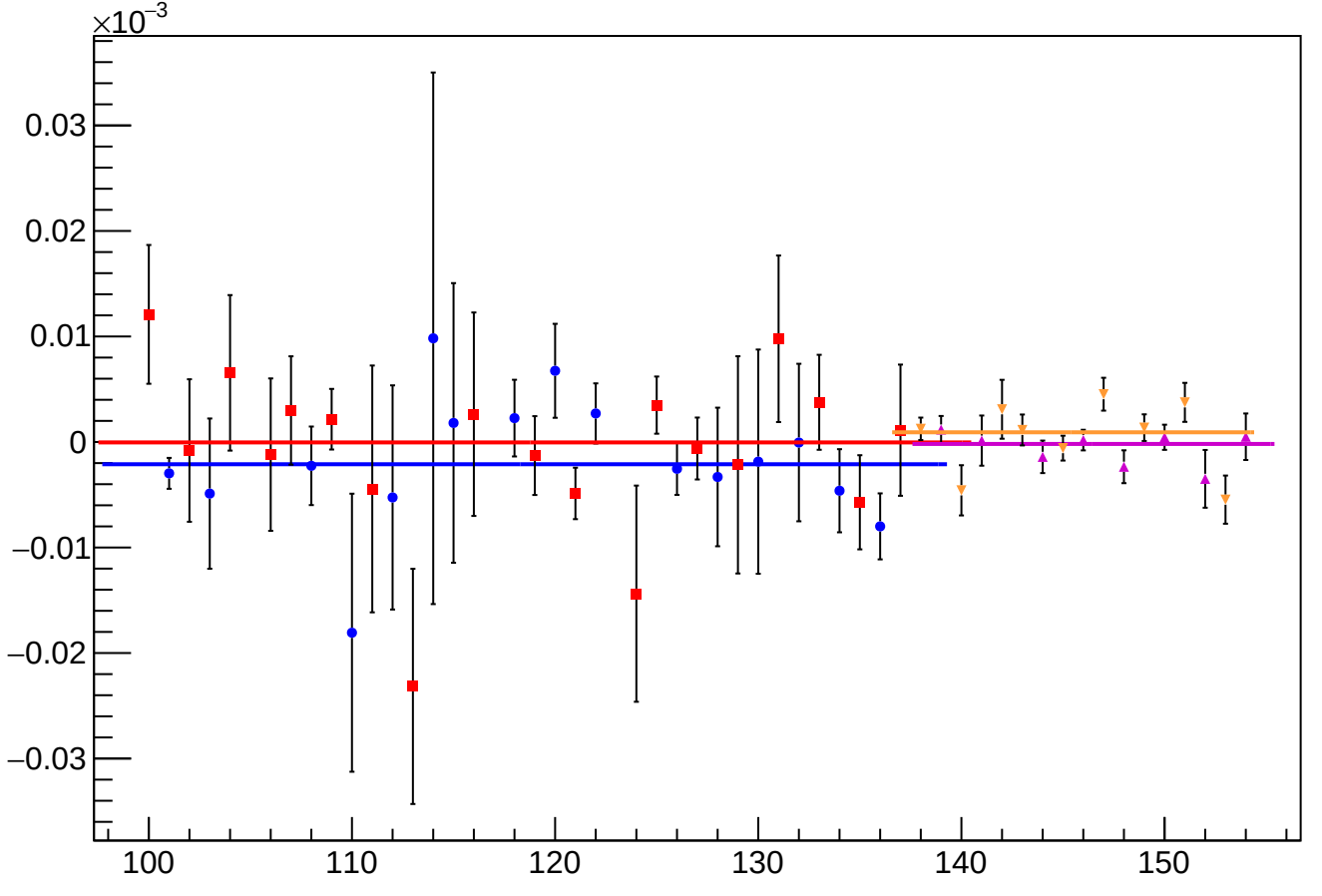
Left: 36.122+/-0.007 χ^2/NDF: 1185848.8/16

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.875+/-0.007 χ^2/NDF:2752402.3/23

Out: 35.488+/-0.007 χ^2/NDF:2645305.4/27

All: 34.656+/-0.005 χ^2/NDF: 5424398.0/51



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:5.7/7

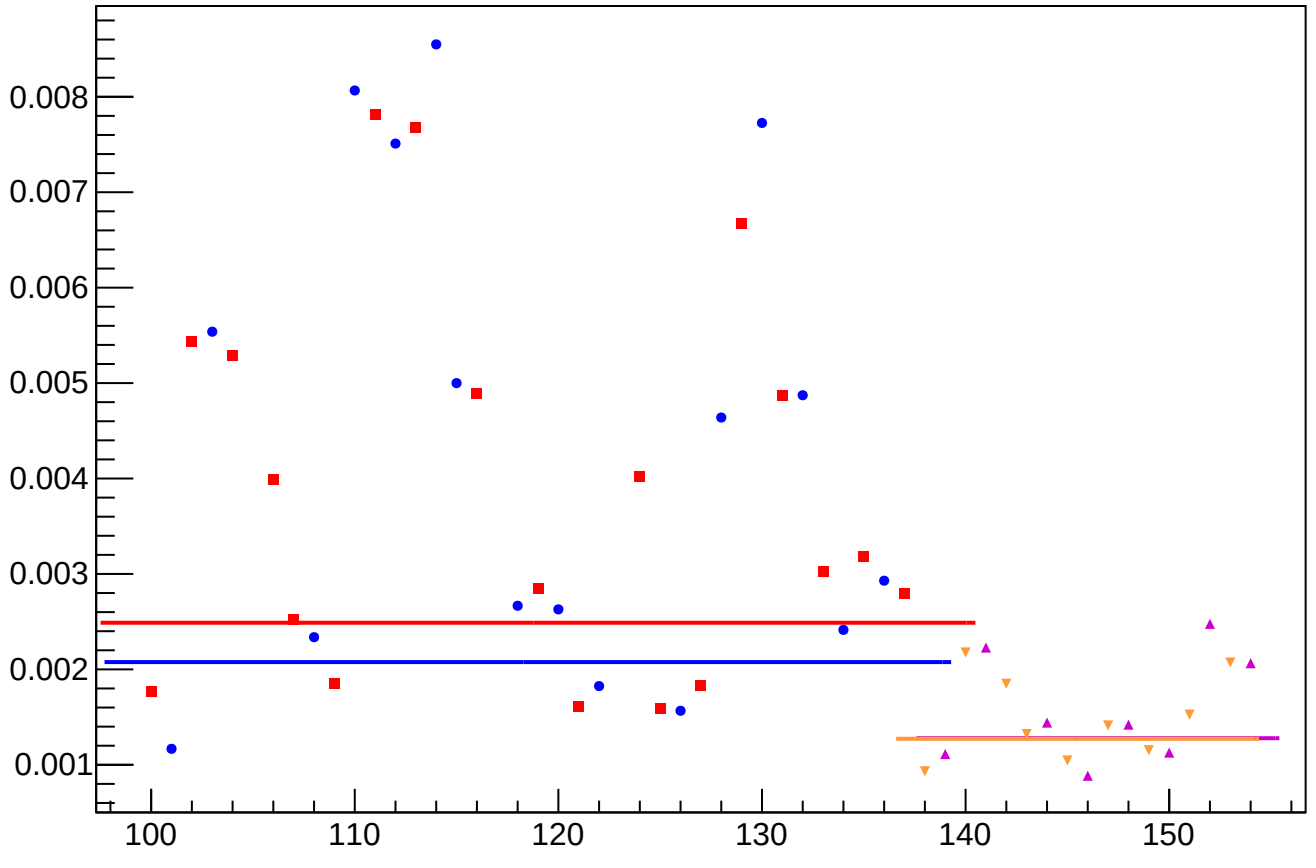
Left: 0.000+/-0.000 χ^2/NDF: 31.4/16

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:23.8/23

Out: 0.000+/-0.000 χ^2/NDF:45.5/27

All: 0.000+/-0.000 χ^2/NDF: 73.9/51



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:1385601.0/7

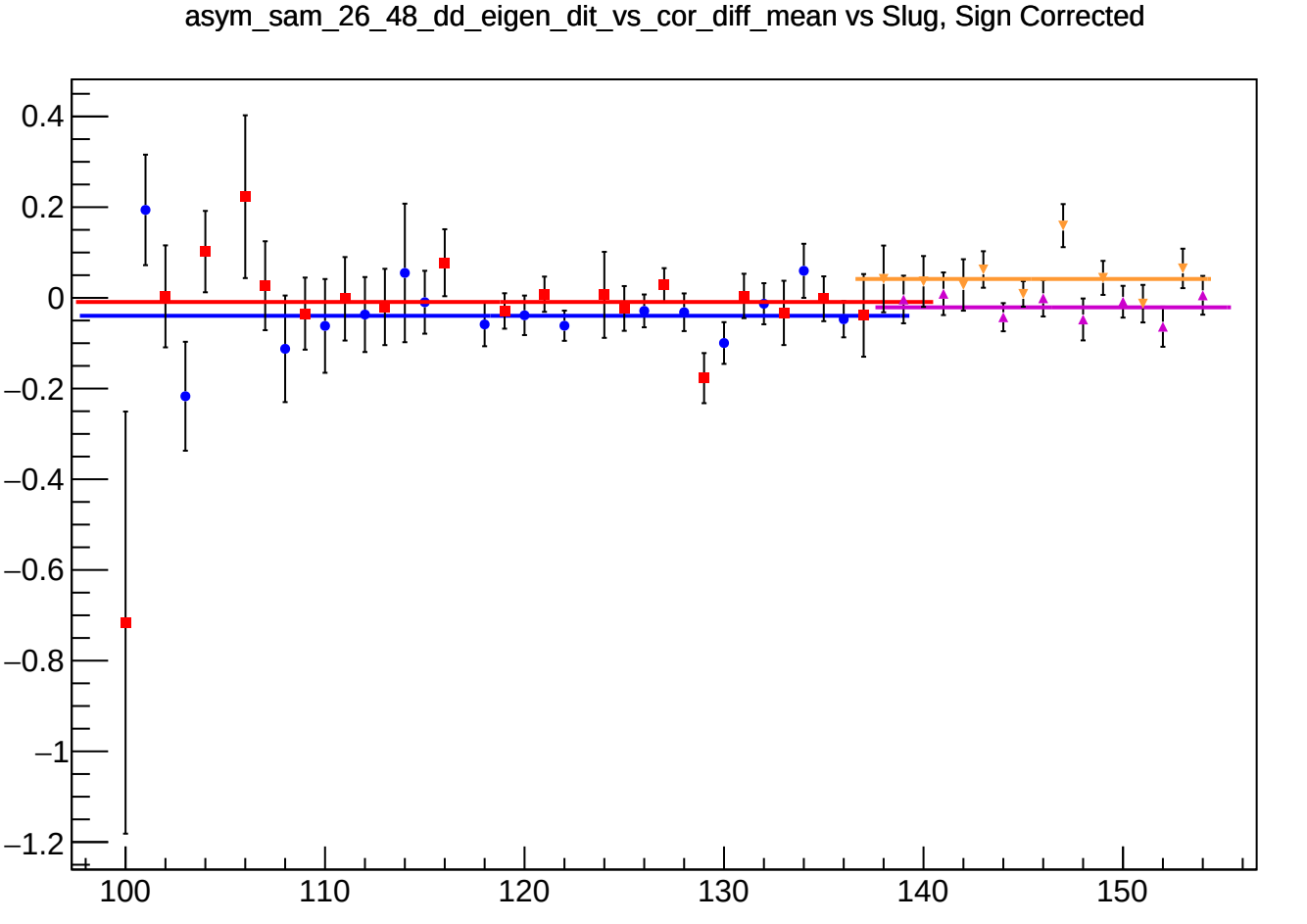
Left: 0.001+/-0.000 χ^2/NDF: 2359434.8/16

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:6462494.8/23

Out: 0.002+/-0.000 χ^2/NDF:6268327.1/27

All: 0.001+/-0.000 χ^2/NDF: 12735254.1/51



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: -0.021+/-0.014 χ^2/NDF:3.0/7

Left: 0.011+/-0.010 χ^2/NDF: 22.4/16

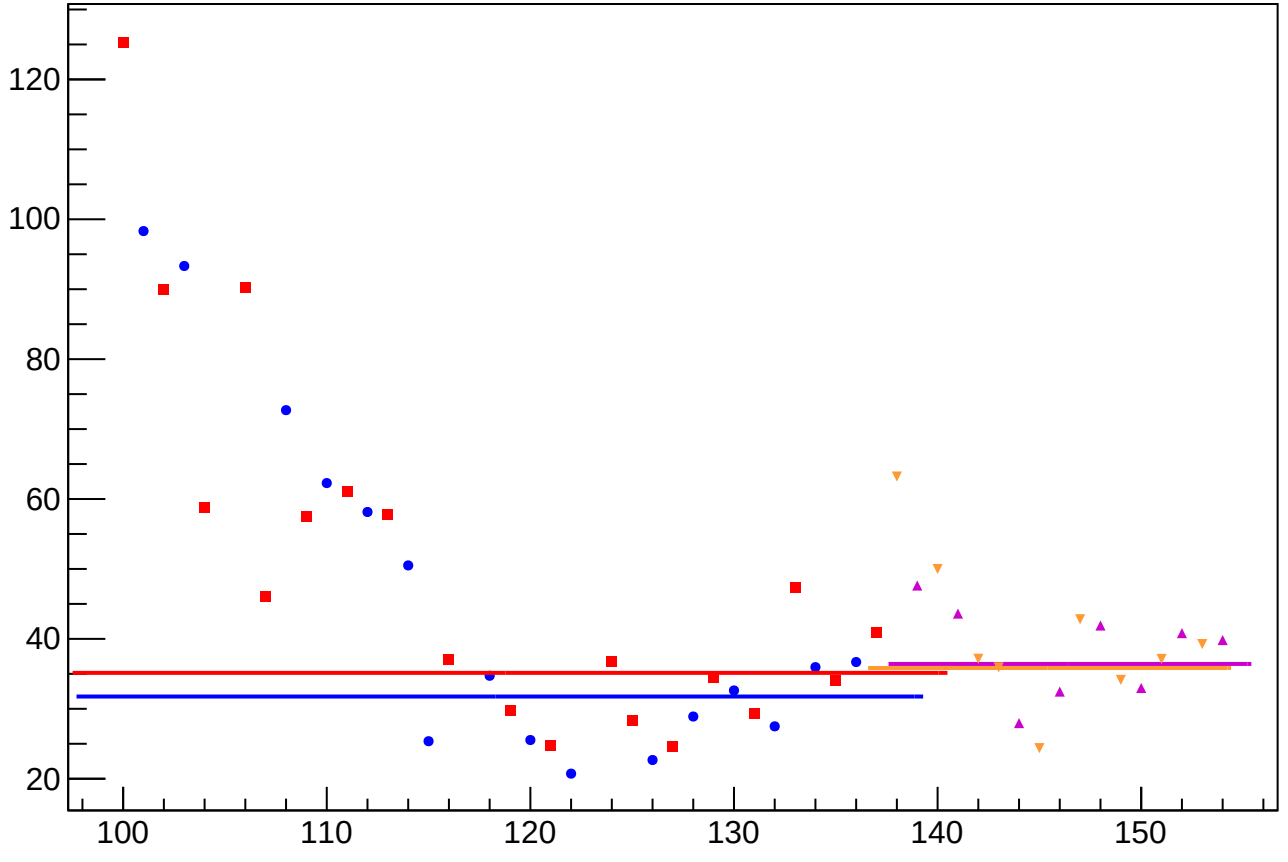
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:16.4/23

Out: 0.016+/-0.010 χ^2/NDF:34.6/27

All: -0.008+/-0.007 χ^2/NDF: 62.4/51

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: 36.415+/-0.010 χ^2/NDF:386020.5/7

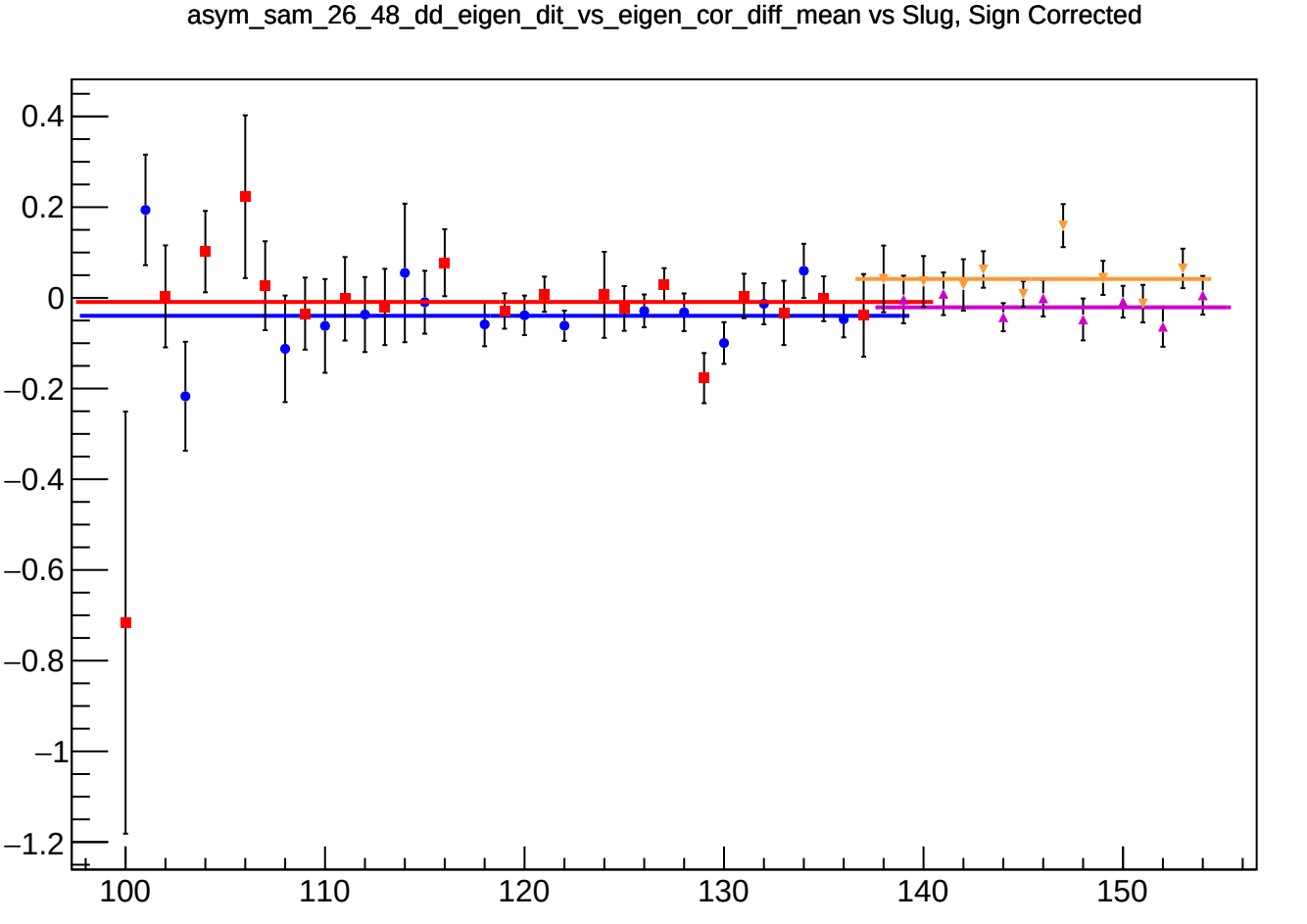
Left: 36.122+/-0.007 χ^2/NDF: 1185896.8/16

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.875+/-0.007 χ^2/NDF:2752362.9/23

Out: 35.488+/-0.007 χ^2/NDF:2645243.9/27

All: 34.656+/-0.005 χ^2/NDF: 5424296.6/51



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: -0.021+/-0.014 χ^2/NDF:3.0/7

Left: 0.011+/-0.010 χ^2/NDF: 22.4/16

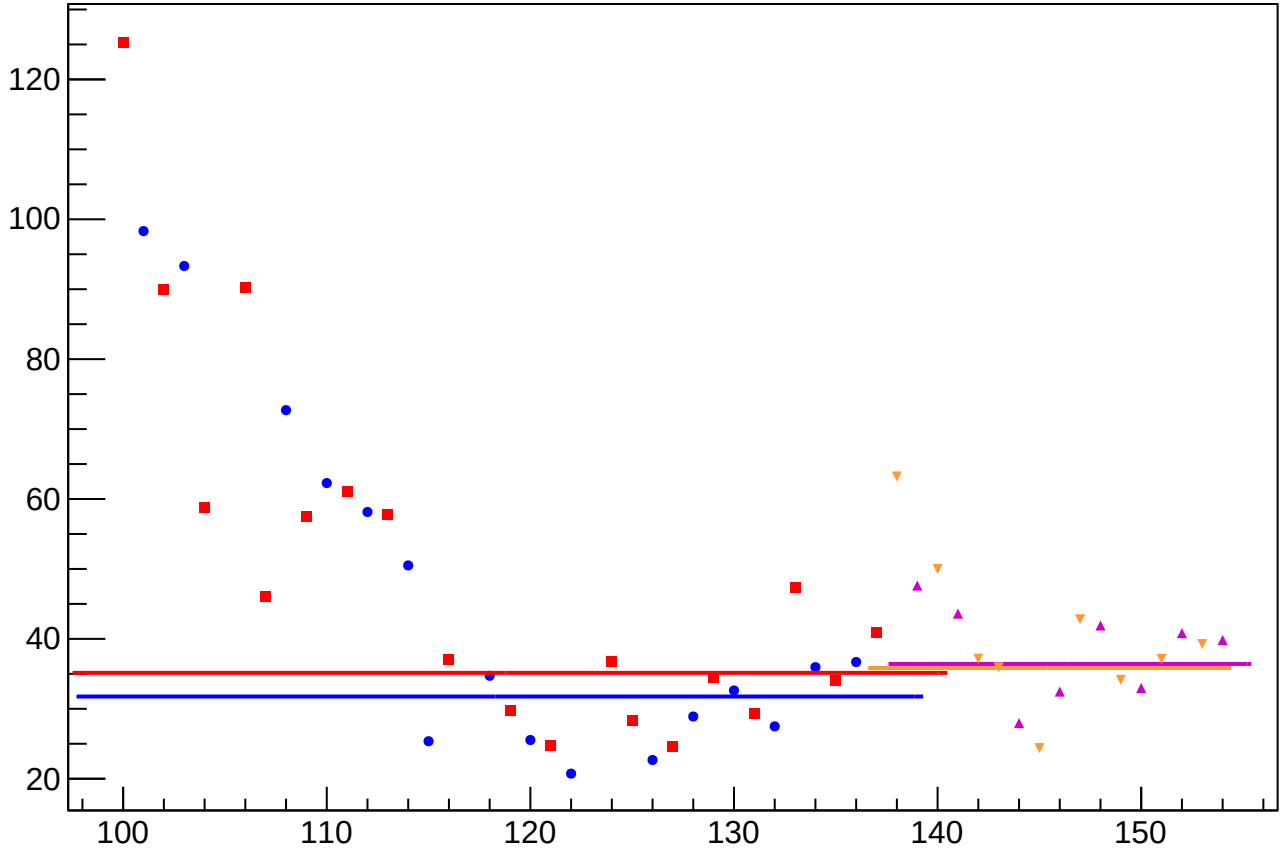
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:16.4/23

Out: 0.016+/-0.010 χ^2/NDF:34.6/27

All: -0.008+/-0.007 χ^2/NDF: 62.4/51

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: 36.415+/-0.010 χ^2/NDF:386020.5/7

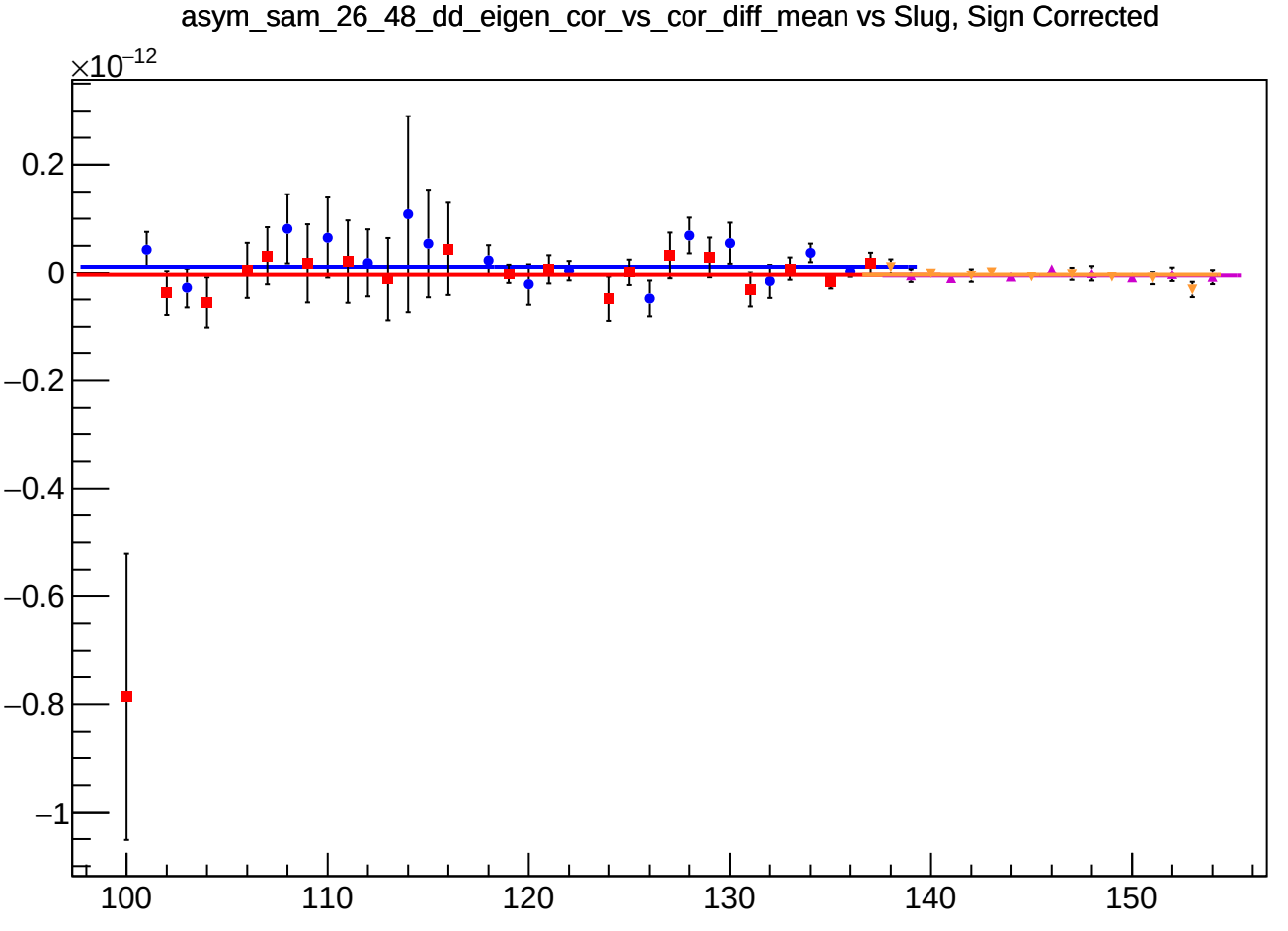
Left: 36.122+/-0.007 χ^2/NDF: 1185896.8/16

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.875+/-0.007 χ^2/NDF:2752362.9/23

Out: 35.488+/-0.007 χ^2/NDF:2645243.9/27

All: 34.656+/-0.005 χ^2/NDF: 5424296.6/51



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:2.9/7

Left: -0.000+/-0.000 χ^2/NDF: 9.6/16

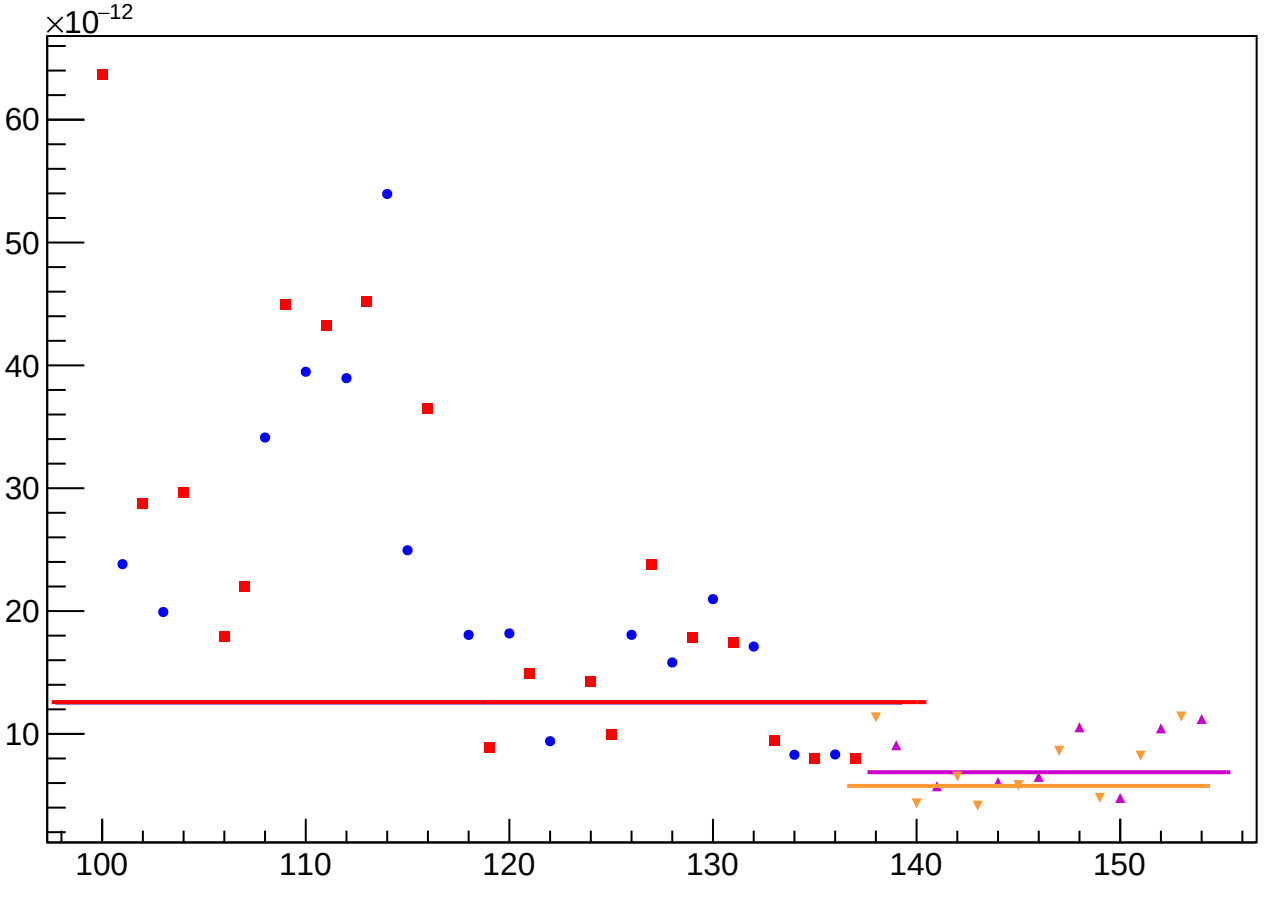
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:25.3/23

Out: -0.000+/-0.000 χ^2/NDF:24.0/27

All: -0.000+/-0.000 χ^2/NDF: 49.6/51

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1123676.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:795159.5/7

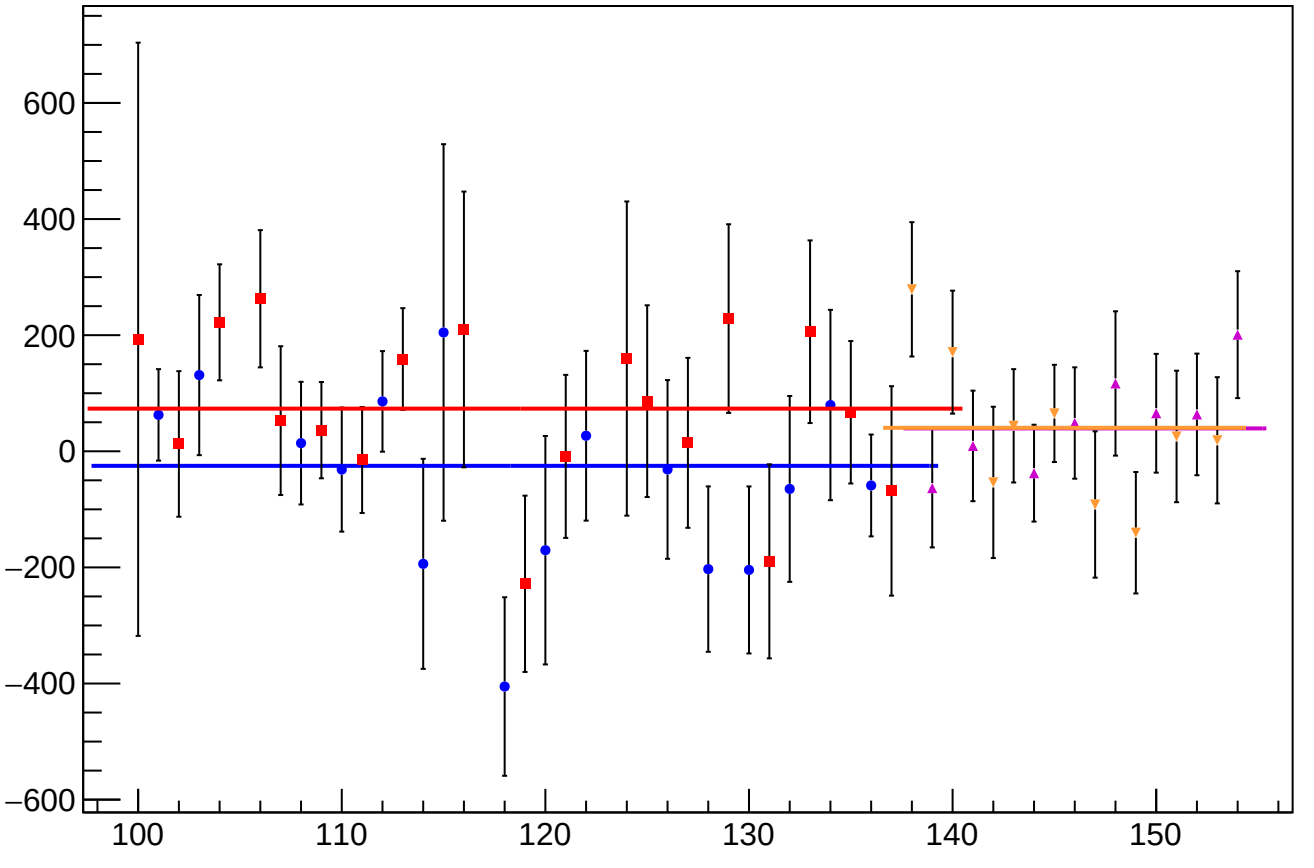
Left: 0.000+/-0.000 χ^2/NDF: 2046327.4/16

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4186680.8/23

Out: 0.000+/-0.000 χ^2/NDF:5643771.4/27

All: 0.000+/-0.000 χ^2/NDF: 10024543.5/51



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: 39.382+/-35.496 χ^2/NDF:4.7/7

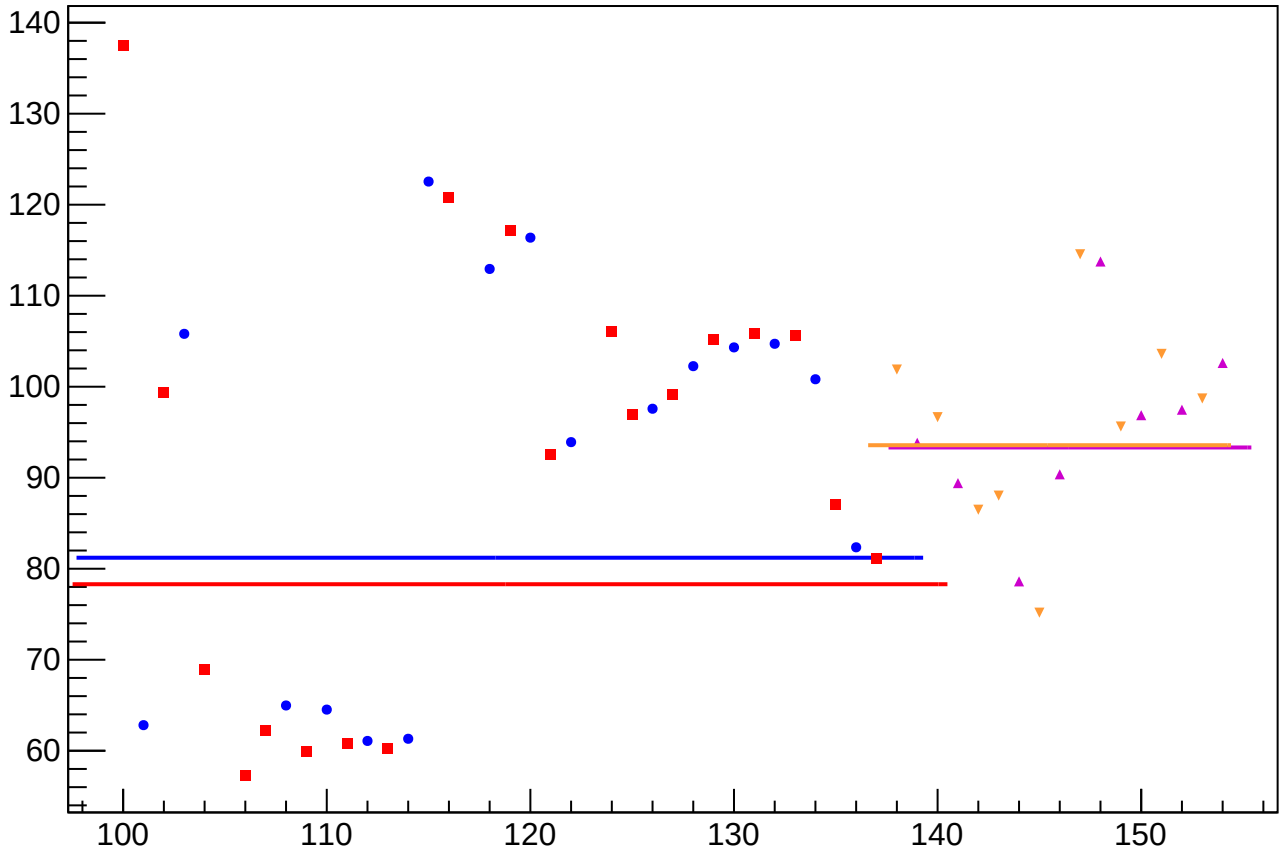
Left: 39.906+/-25.150 χ^2/NDF: 15.2/16

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 3.051+/-23.447 χ^2/NDF:22.7/23

Out: 59.797+/-22.922 χ^2/NDF:27.8/27

All: 32.066+/-16.391 χ^2/NDF: 53.5/51



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: 93.323+/-0.025 χ^2/NDF:141584.5/7

Left: 93.447+/-0.018 χ^2/NDF: 338939.7/16

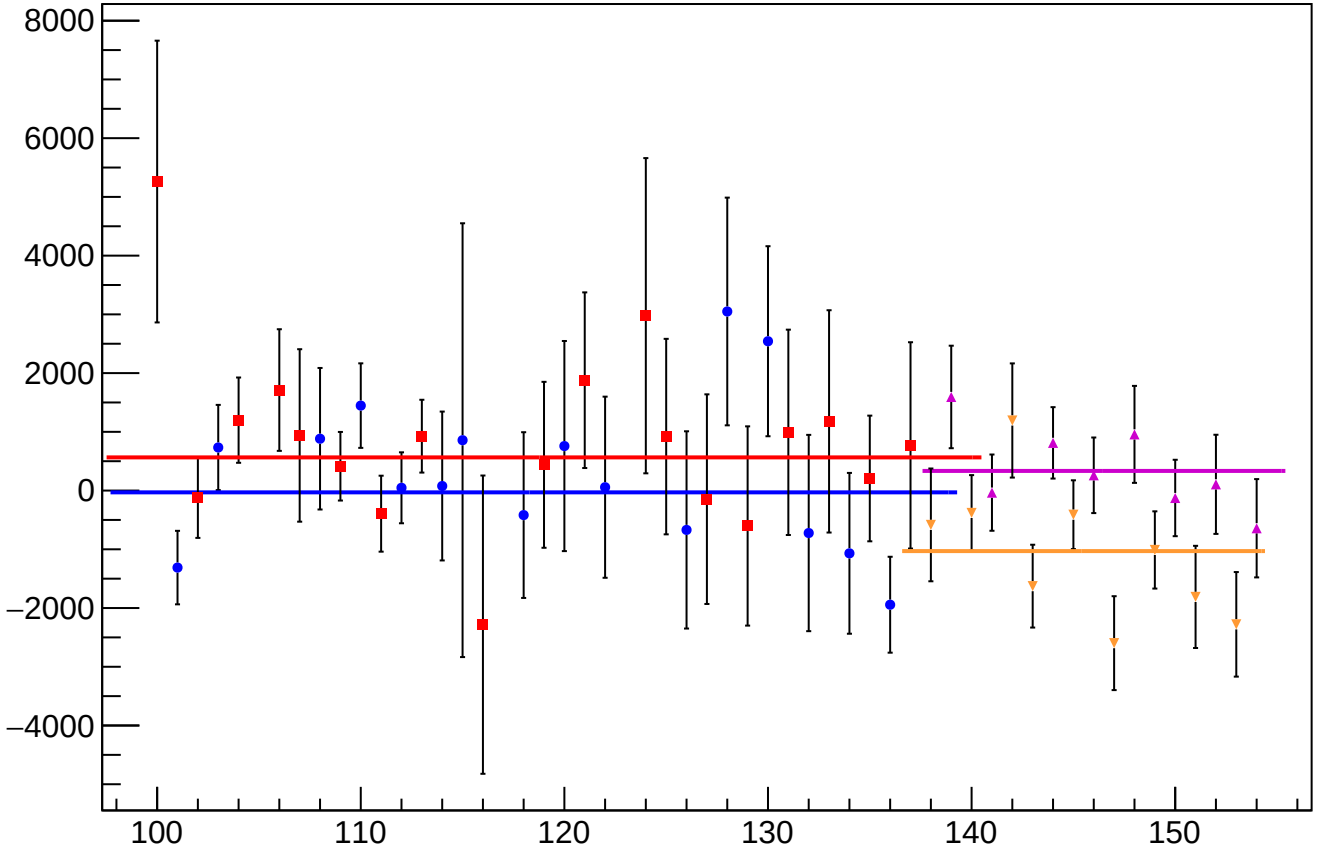
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 86.495+/-0.017 χ^2/NDF:1060562.4/23

Out: 84.616+/-0.016 χ^2/NDF:1347359.2/27

All: 85.534+/-0.012 χ^2/NDF: 2414491.1/51

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: 334.490+/-254.243 χ^2/NDF:5.5/7

Left: -358.296+/-178.420 χ^2/NDF: 35.1/16

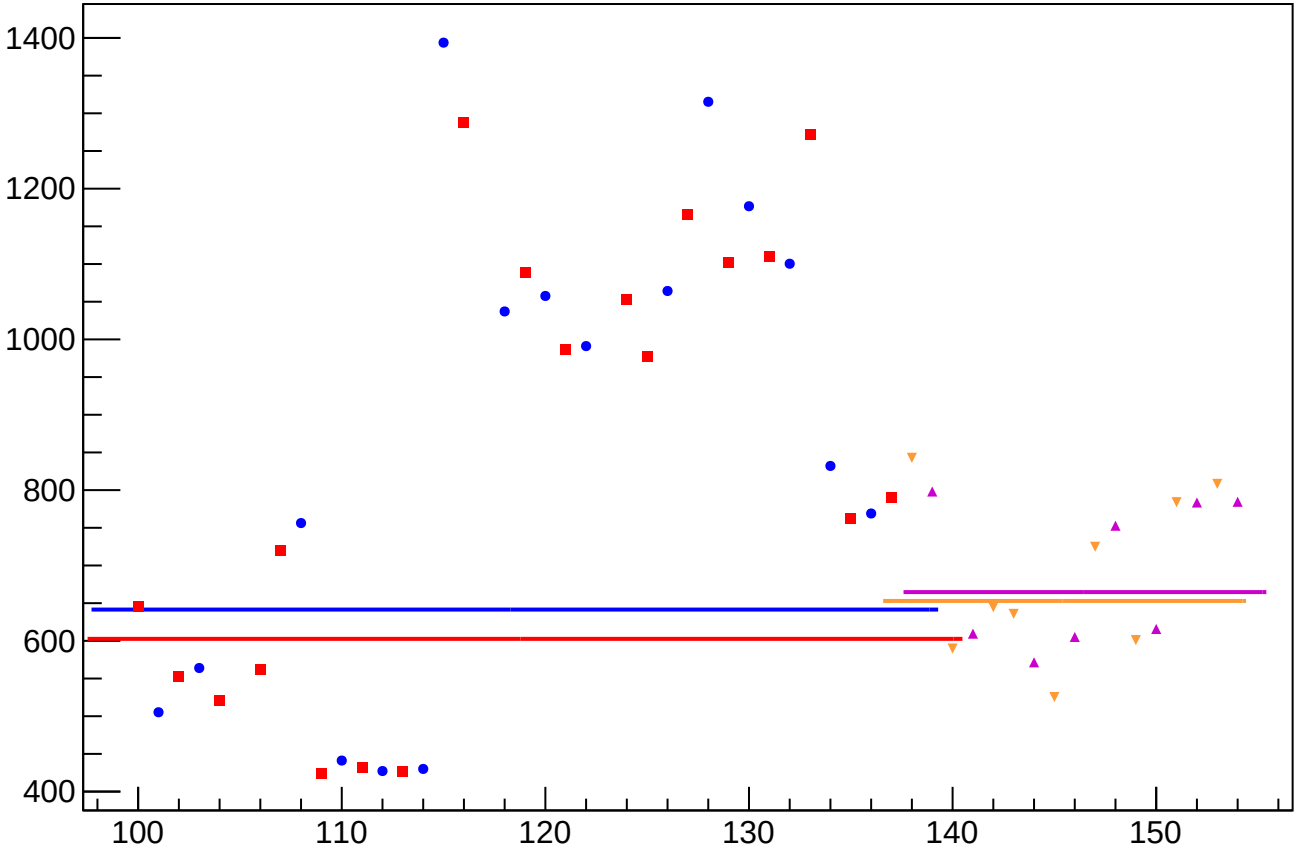
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 154.009+/-180.743 χ^2/NDF:28.4/23

Out: -193.843+/-172.712 χ^2/NDF:49.5/27

All: -27.817+/-124.868 χ^2/NDF: 79.9/51

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 652.949+/-0.177 χ^2/NDF:328562.9/8

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 664.708+/-0.180 χ^2/NDF:240103.6/7

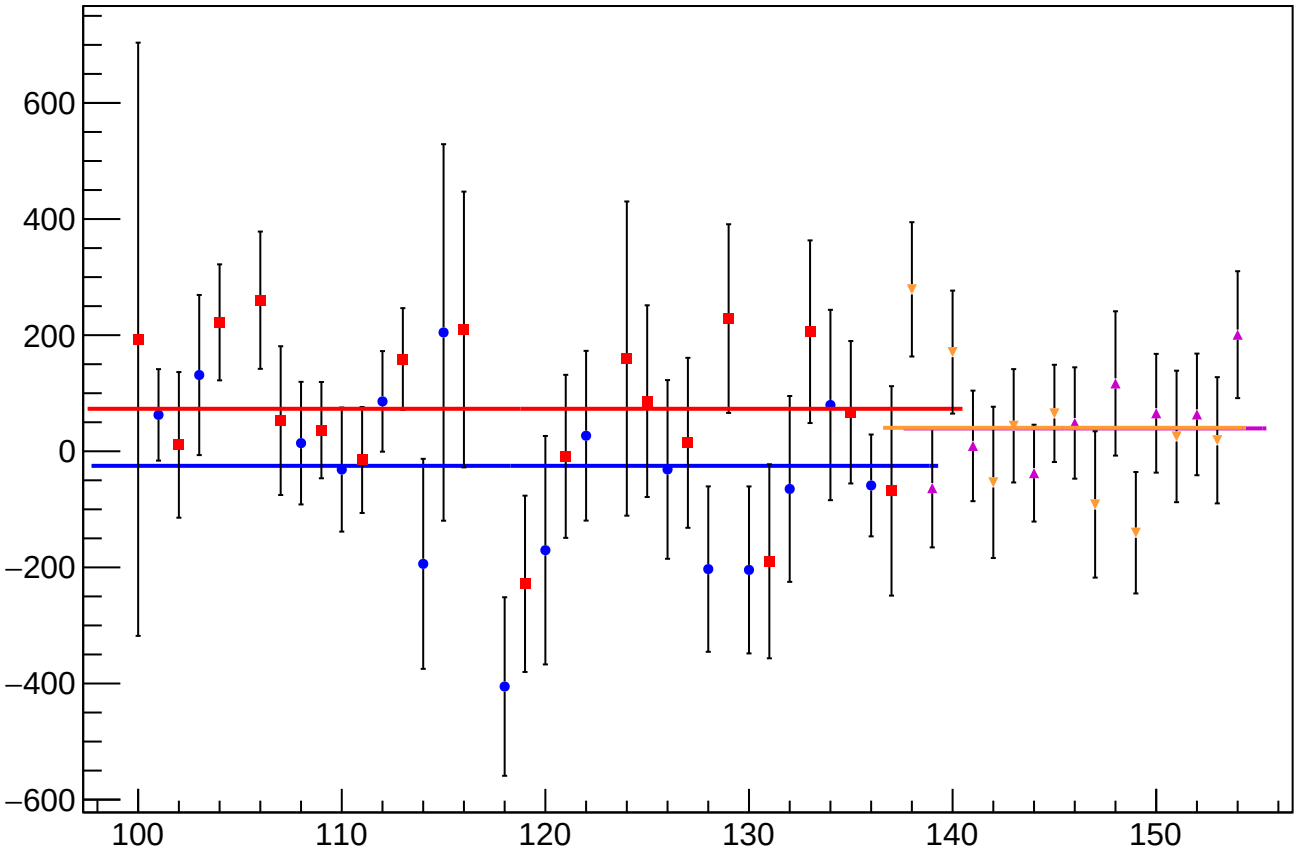
Left: 658.740+/-0.126 χ^2/NDF: 570838.0/16

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 653.229+/-0.128 χ^2/NDF:2123338.4/23

Out: 626.572+/-0.122 χ^2/NDF:2441171.1/27

All: 639.295+/-0.088 χ^2/NDF: 4587248.5/51



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: 39.381+/-35.496 χ^2/NDF:4.7/7

Left: 39.910+/-25.150 χ^2/NDF: 15.2/16

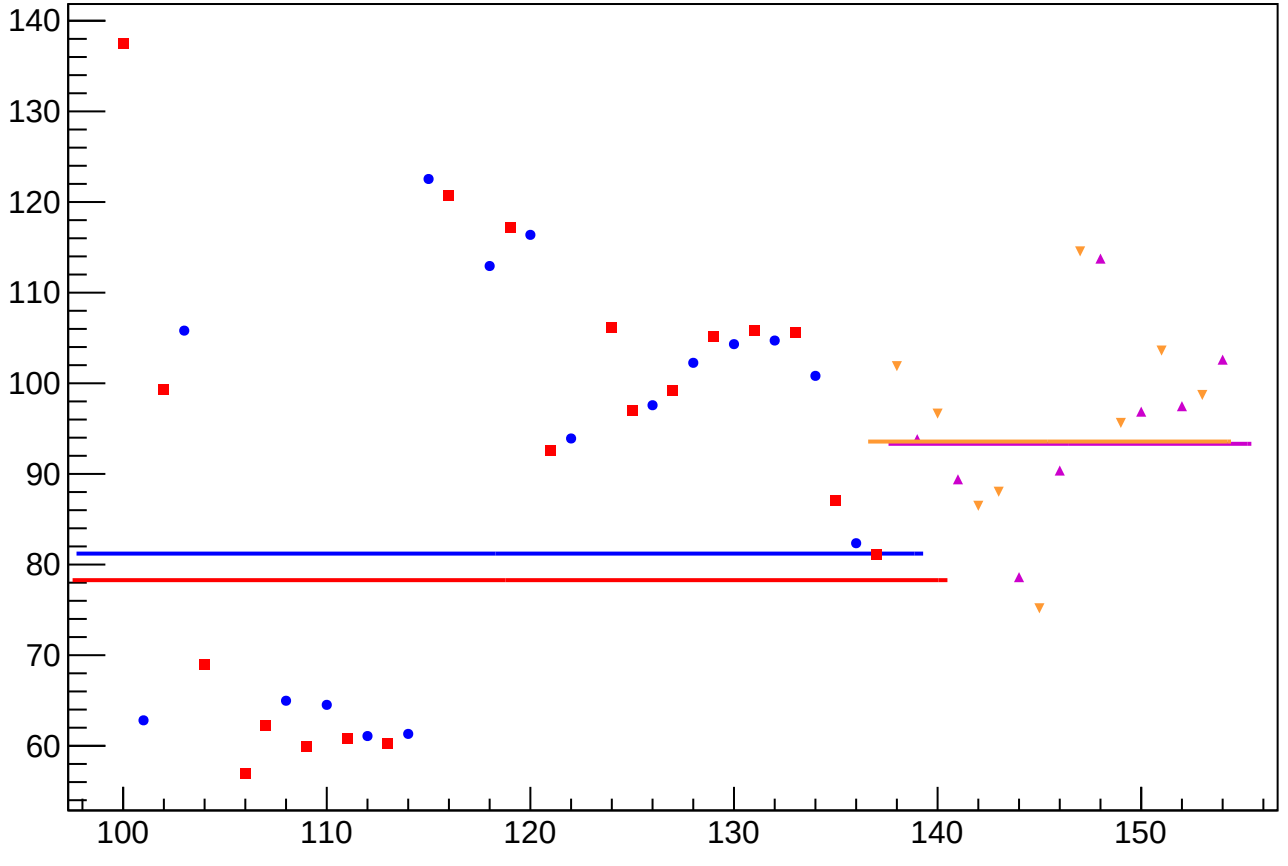
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 3.049+/-23.447 χ^2/NDF:22.7/23

Out: 59.644+/-22.923 χ^2/NDF:27.7/27

All: 31.986+/-16.391 χ^2/NDF: 53.4/51

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: 93.323+/-0.025 χ^2/NDF:141584.5/7

Left: 93.447+/-0.018 χ^2/NDF: 338939.7/16

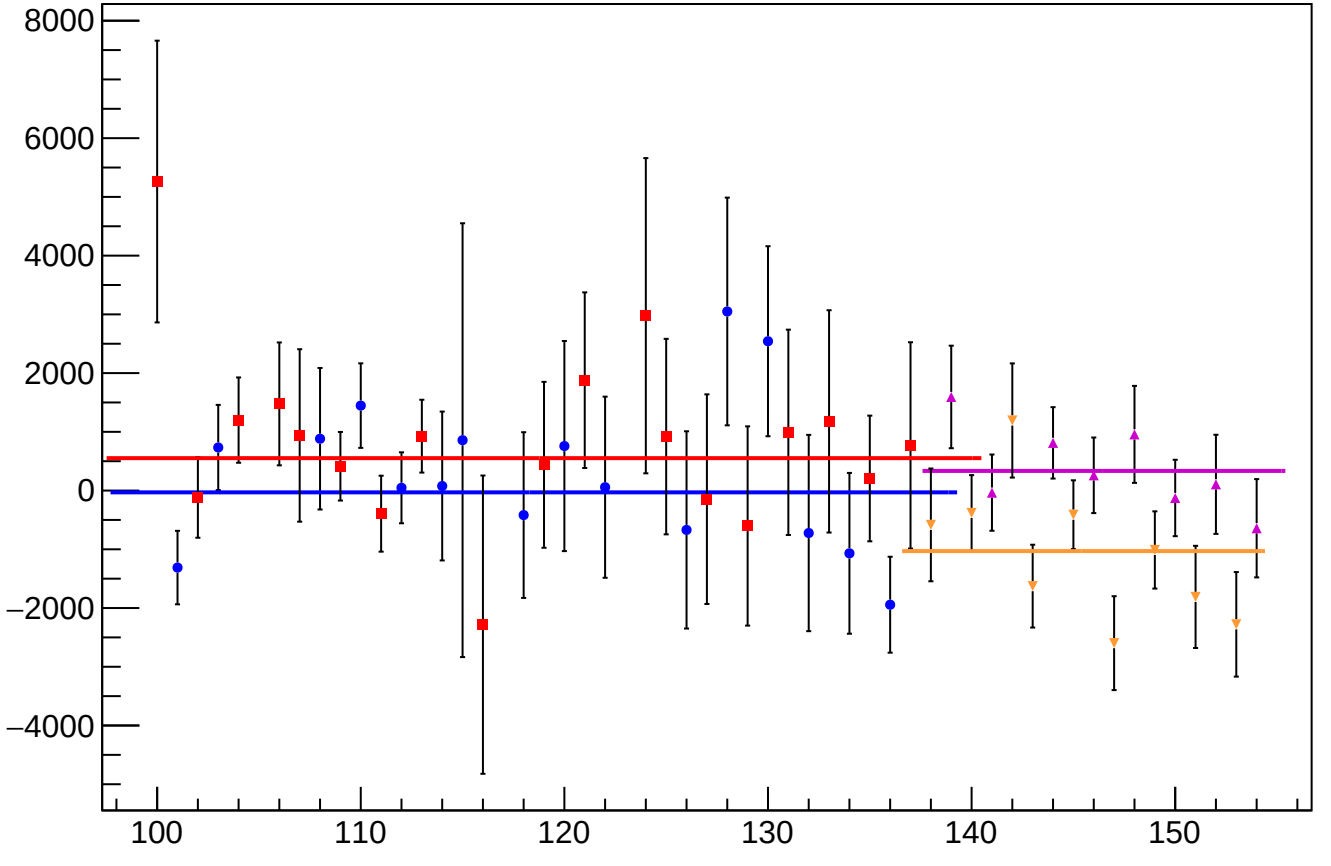
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 86.495+/-0.017 χ^2/NDF:1060564.3/23

Out: 84.605+/-0.016 χ^2/NDF:1350012.8/27

All: 85.529+/-0.012 χ^2/NDF: 2417219.9/51

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: 334.495+/-254.243 χ^2/NDF:5.5/7

Left: -358.291+/-178.420 χ^2/NDF: 35.1/16

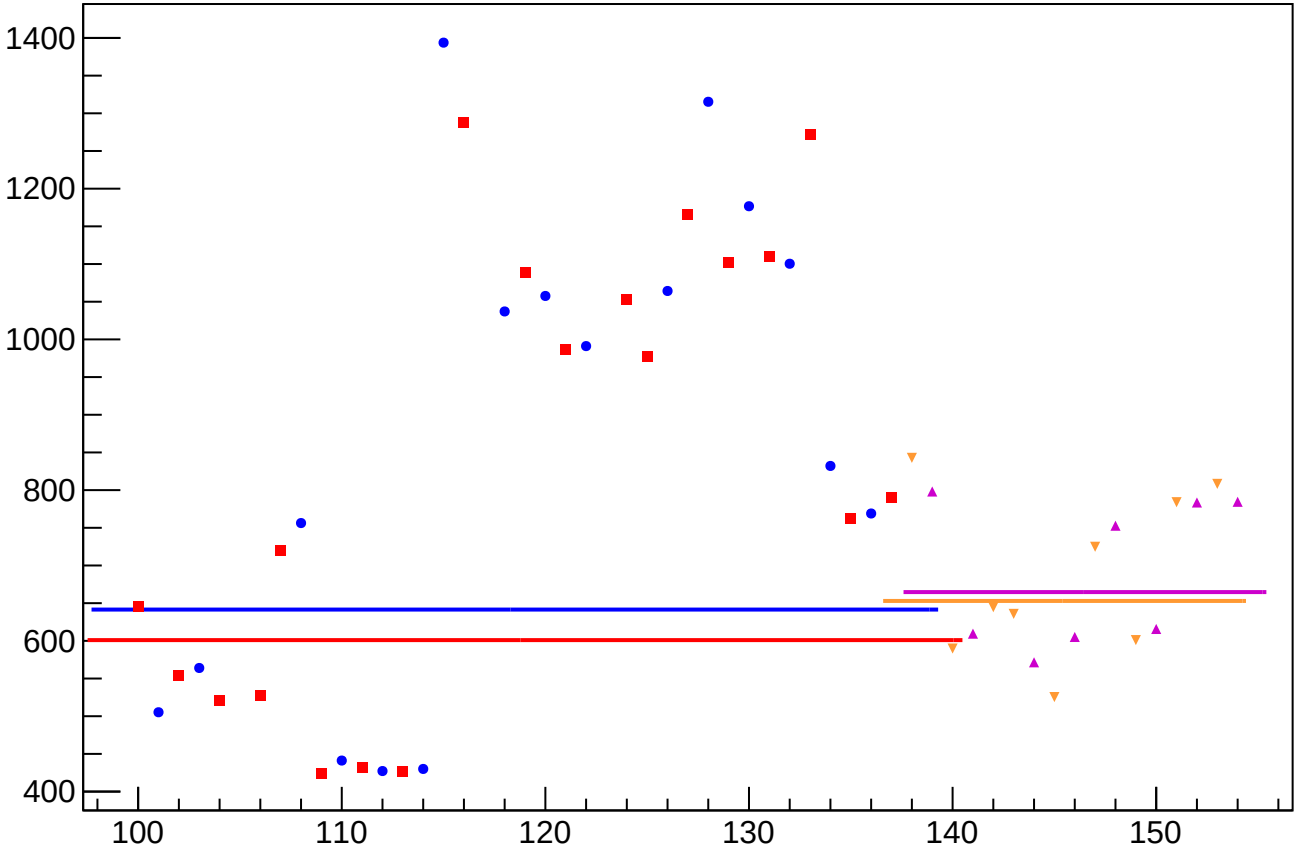
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 154.000+/-180.745 χ^2/NDF:28.4/23

Out: -201.117+/-172.768 χ^2/NDF:48.7/27

All: -31.567+/-124.890 χ^2/NDF: 79.1/51

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 652.949+/-0.177 χ^2/NDF:328565.0/8

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 664.709+/-0.180 χ^2/NDF:240102.0/7

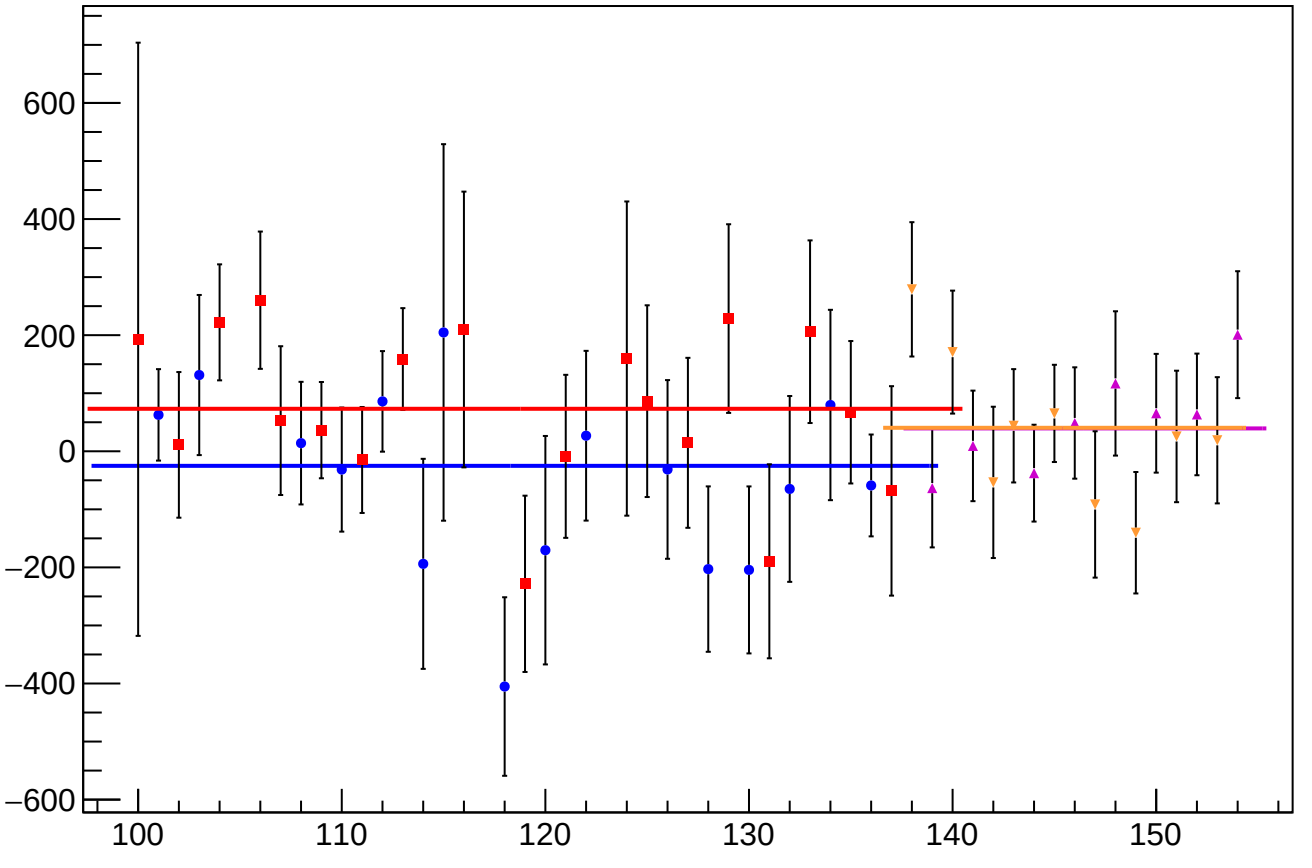
Left: 658.740+/-0.126 χ^2/NDF: 570838.5/16

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 653.233+/-0.128 χ^2/NDF:2123289.7/23

Out: 625.708+/-0.122 χ^2/NDF:2450941.3/27

All: 638.850+/-0.088 χ^2/NDF: 4598468.5/51



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: 39.381+/-35.496 χ^2/NDF:4.7/7

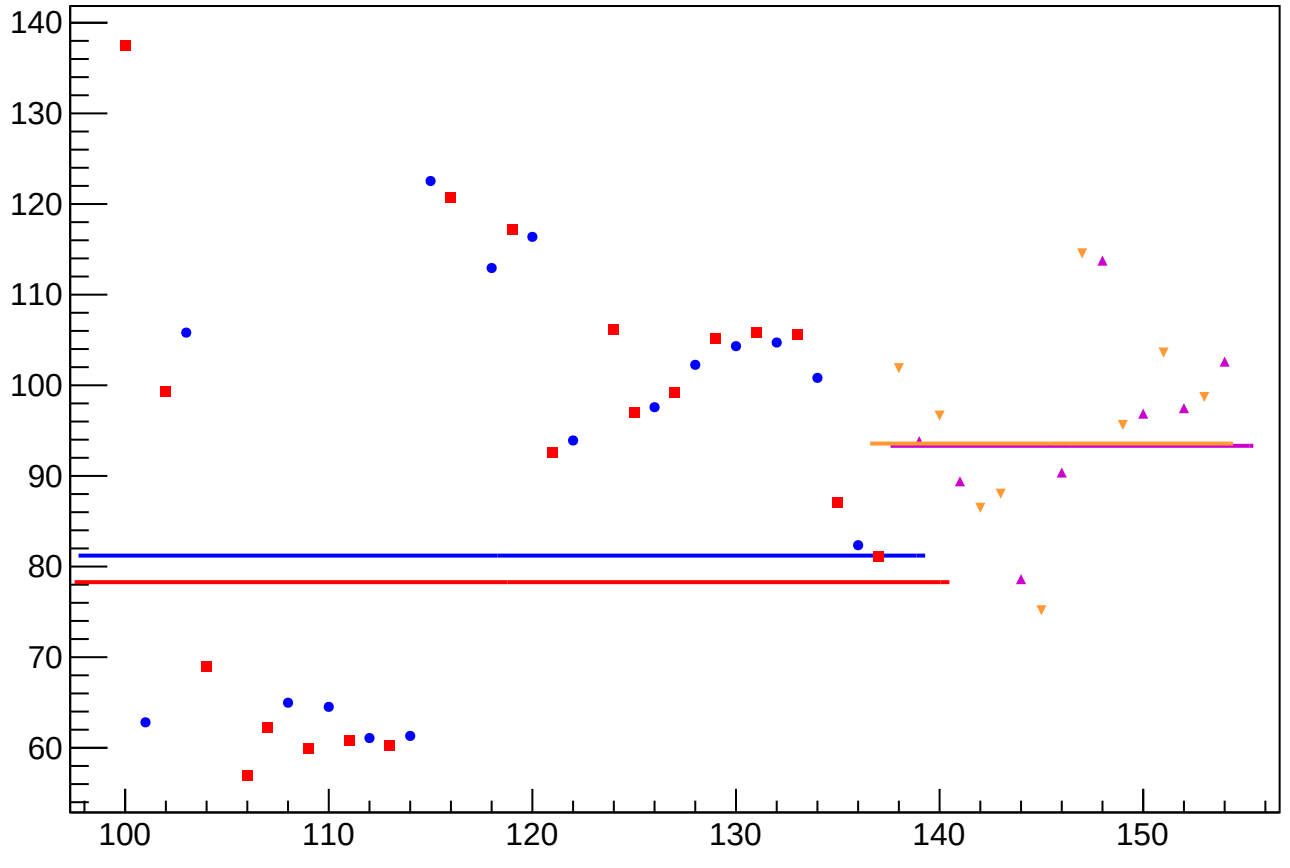
Left: 39.910+/-25.150 χ^2/NDF: 15.2/16

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 3.049+/-23.447 χ^2/NDF:22.7/23

Out: 59.644+/-22.923 χ^2/NDF:27.7/27

All: 31.986+/-16.391 χ^2/NDF: 53.4/51



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: 93.323+/-0.025 χ^2/NDF:141584.5/7

Left: 93.447+/-0.018 χ^2/NDF: 338939.7/16

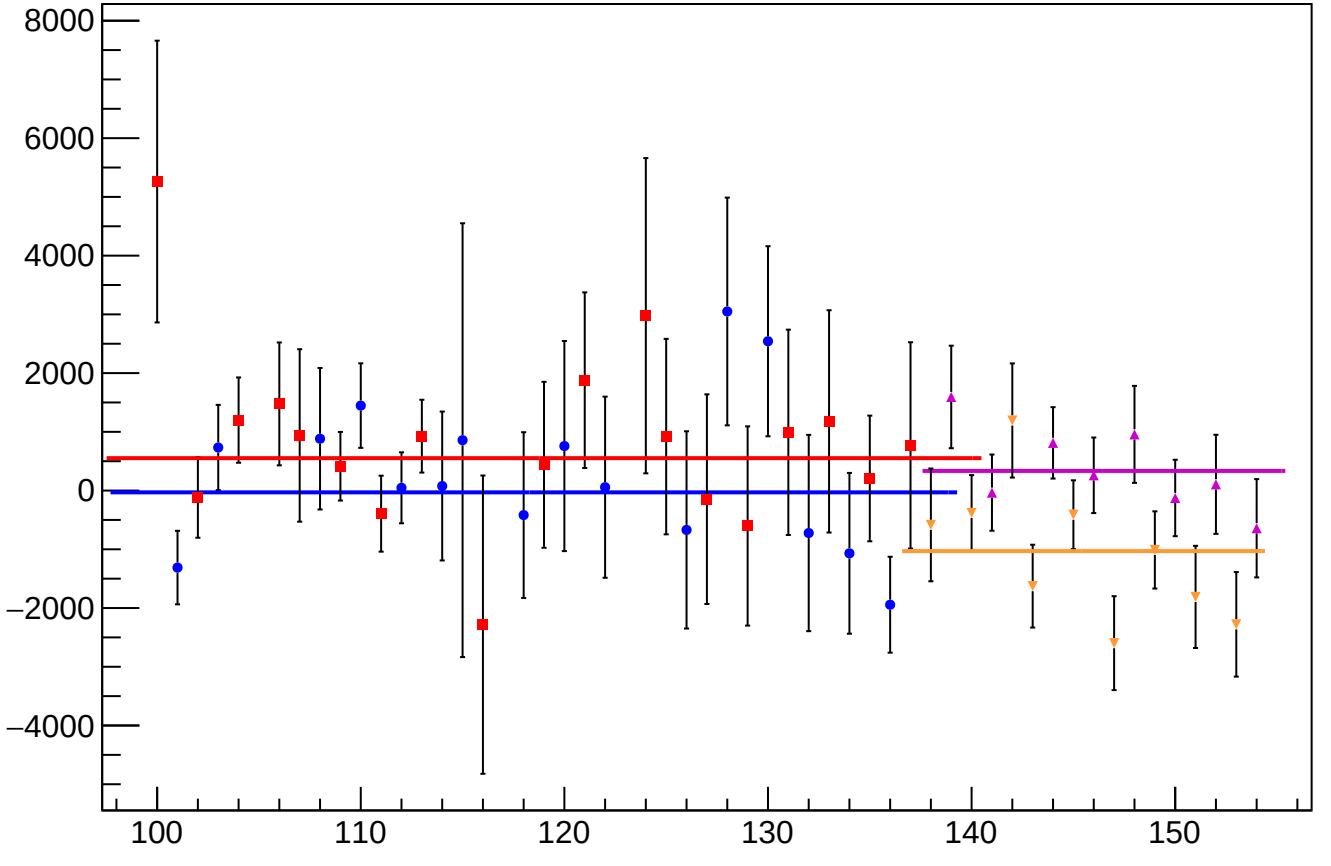
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 86.495+/-0.017 χ^2/NDF:1060564.3/23

Out: 84.605+/-0.016 χ^2/NDF:1350012.8/27

All: 85.529+/-0.012 χ^2/NDF: 2417219.9/51

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: 334.495+/-254.243 χ^2/NDF:5.5/7

Left: -358.291+/-178.420 χ^2/NDF: 35.1/16

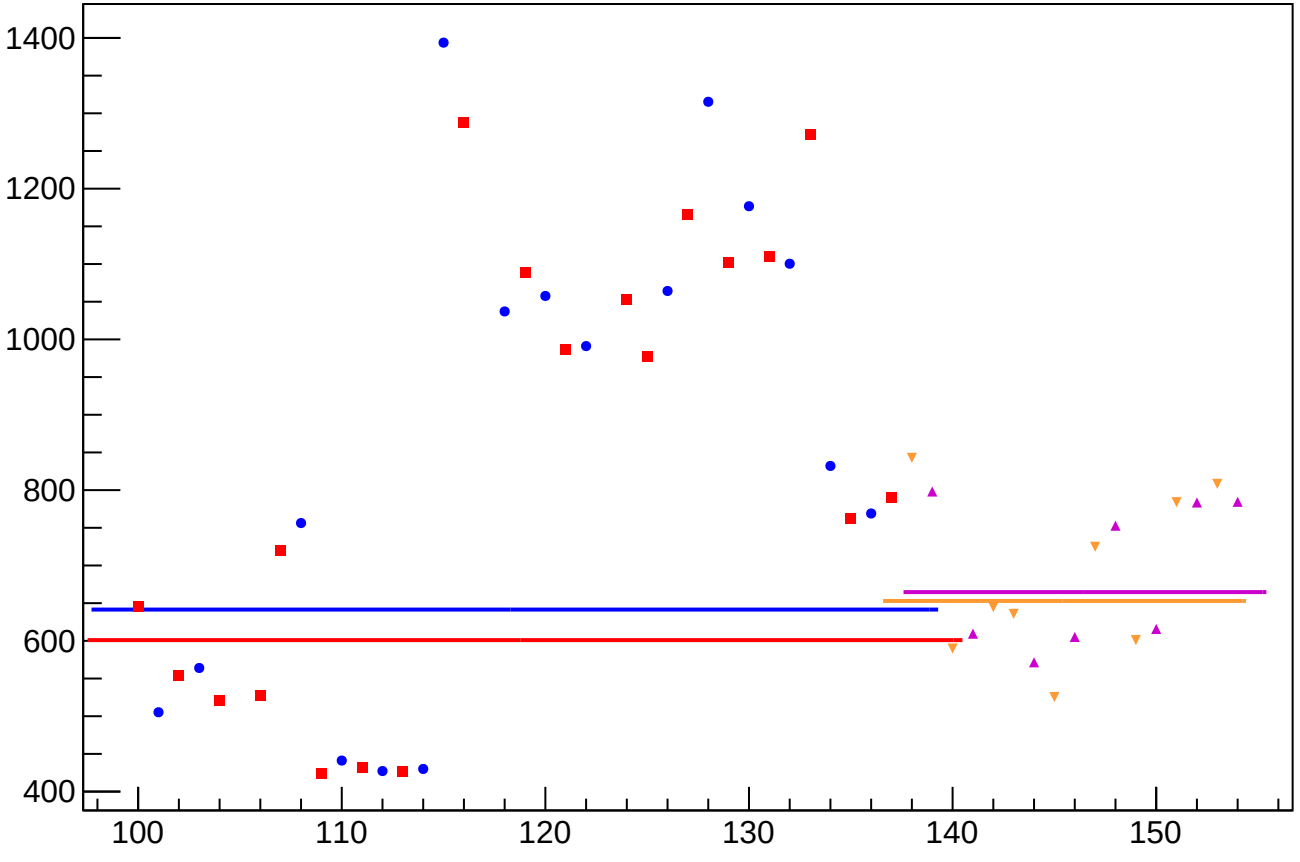
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 154.000+/-180.745 χ^2/NDF:28.4/23

Out: -201.117+/-172.768 χ^2/NDF:48.7/27

All: -31.567+/-124.890 χ^2/NDF: 79.1/51

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: 664.709+/-0.180 χ^2/NDF:240102.0/7

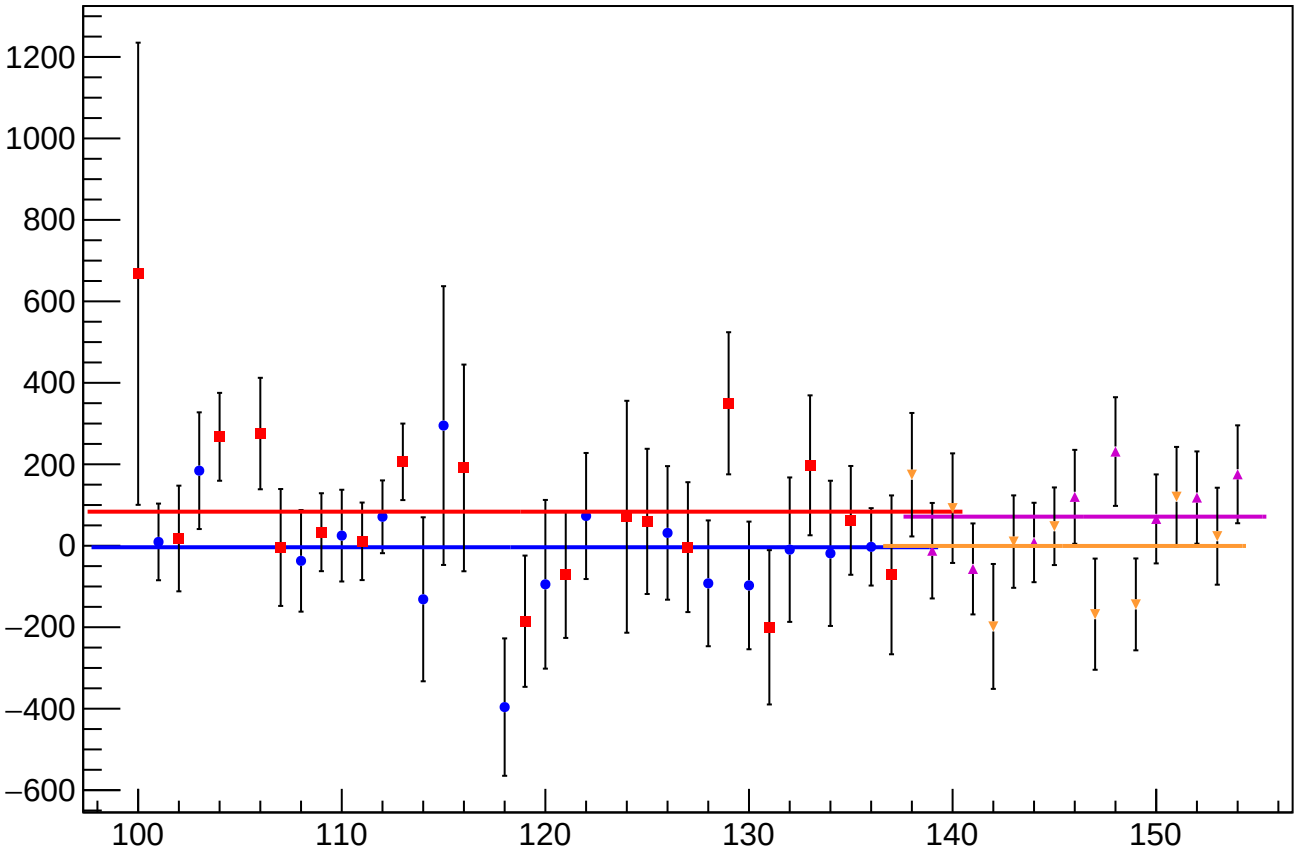
Left: 658.740+/-0.126 χ^2/NDF: 570838.5/16

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 653.233+/-0.128 χ^2/NDF:2123289.7/23

Out: 625.708+/-0.122 χ^2/NDF:2450941.3/27

All: 638.850+/-0.088 χ^2/NDF: 4598468.5/51



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: 71.446+/-40.144 χ^2/NDF:4.8/7

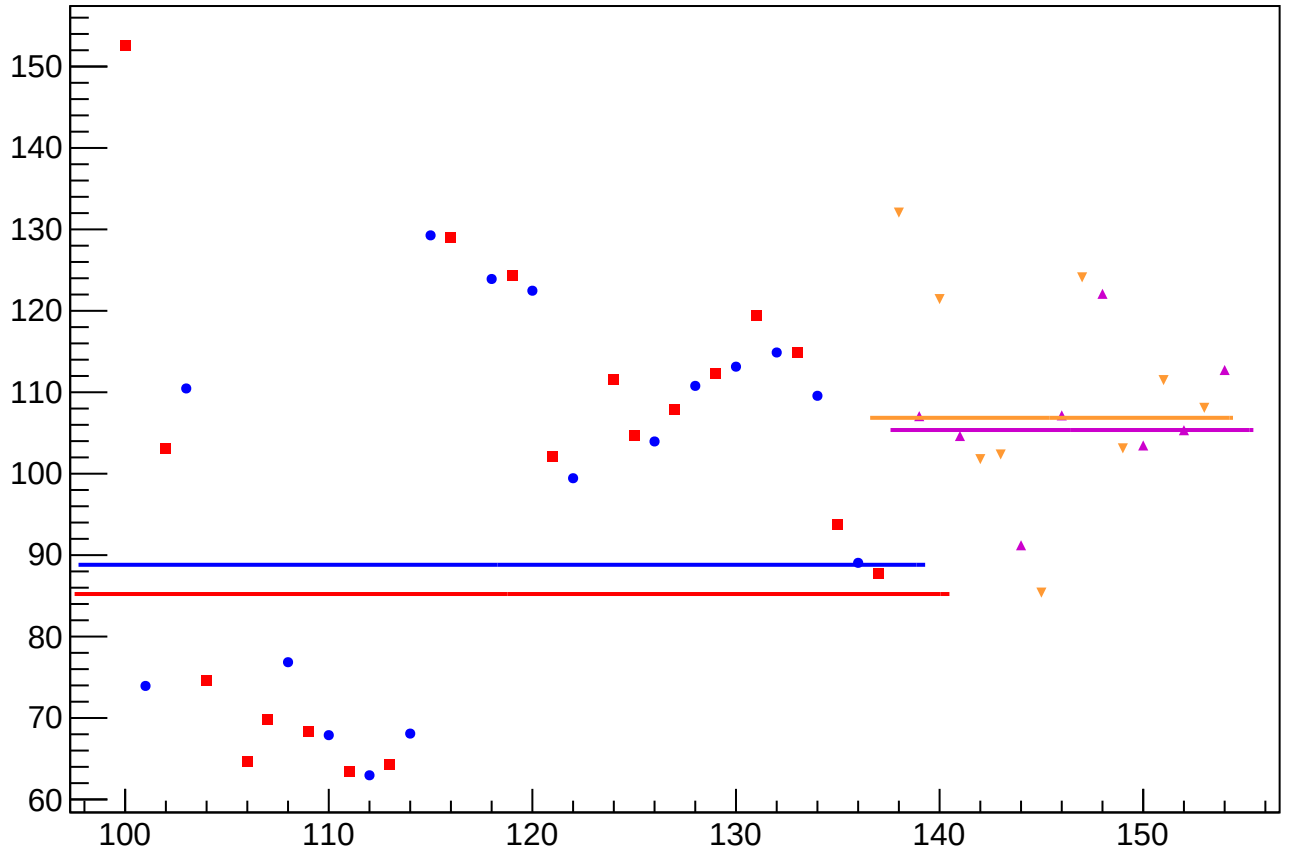
Left: 36.124+/-28.637 χ^2/NDF: 14.2/16

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 27.890+/-26.012 χ^2/NDF:17.2/23

Out: 50.908+/-25.499 χ^2/NDF:29.5/27

All: 39.628+/-18.209 χ^2/NDF: 47.1/51



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: 105.365+/-0.028 χ^2/NDF:82706.7/7

Left: 106.100+/-0.020 χ^2/NDF: 306922.3/16

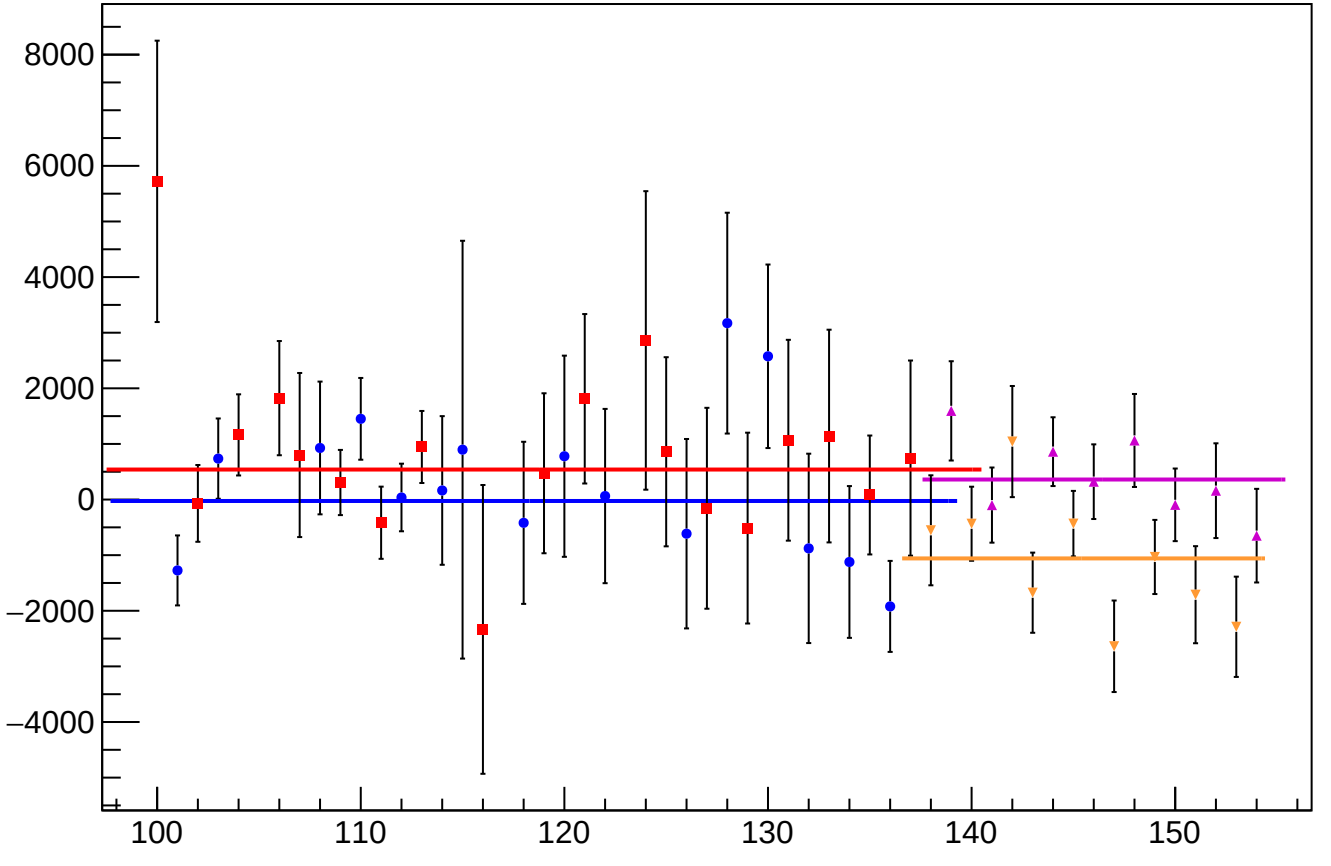
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 95.763+/-0.018 χ^2/NDF:1004553.6/23

Out: 93.650+/-0.018 χ^2/NDF:1449326.3/27

All: 94.686+/-0.013 χ^2/NDF: 2460607.5/51

asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1058.551+/-255.152 χ^2/NDF:13.5/8

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 360.165+/-259.536 χ^2/NDF:5.7/7

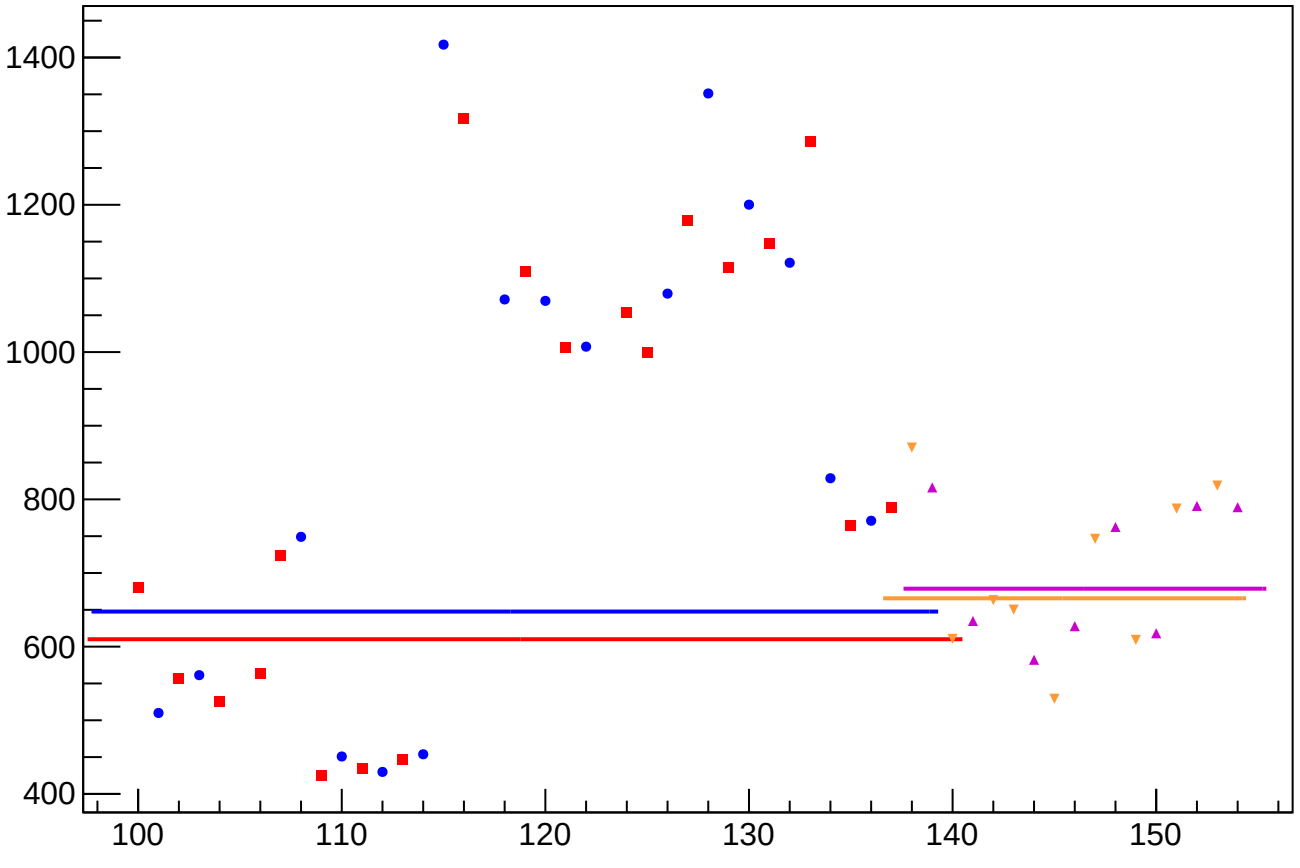
Left: -361.278+/-181.950 χ^2/NDF: 34.4/16

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 167.097+/-183.472 χ^2/NDF:28.4/23

Out: -214.698+/-175.294 χ^2/NDF:47.9/27

All: -32.499+/-126.744 χ^2/NDF: 78.5/51



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: 678.704+/-0.184 χ^2/NDF:222773.0/7

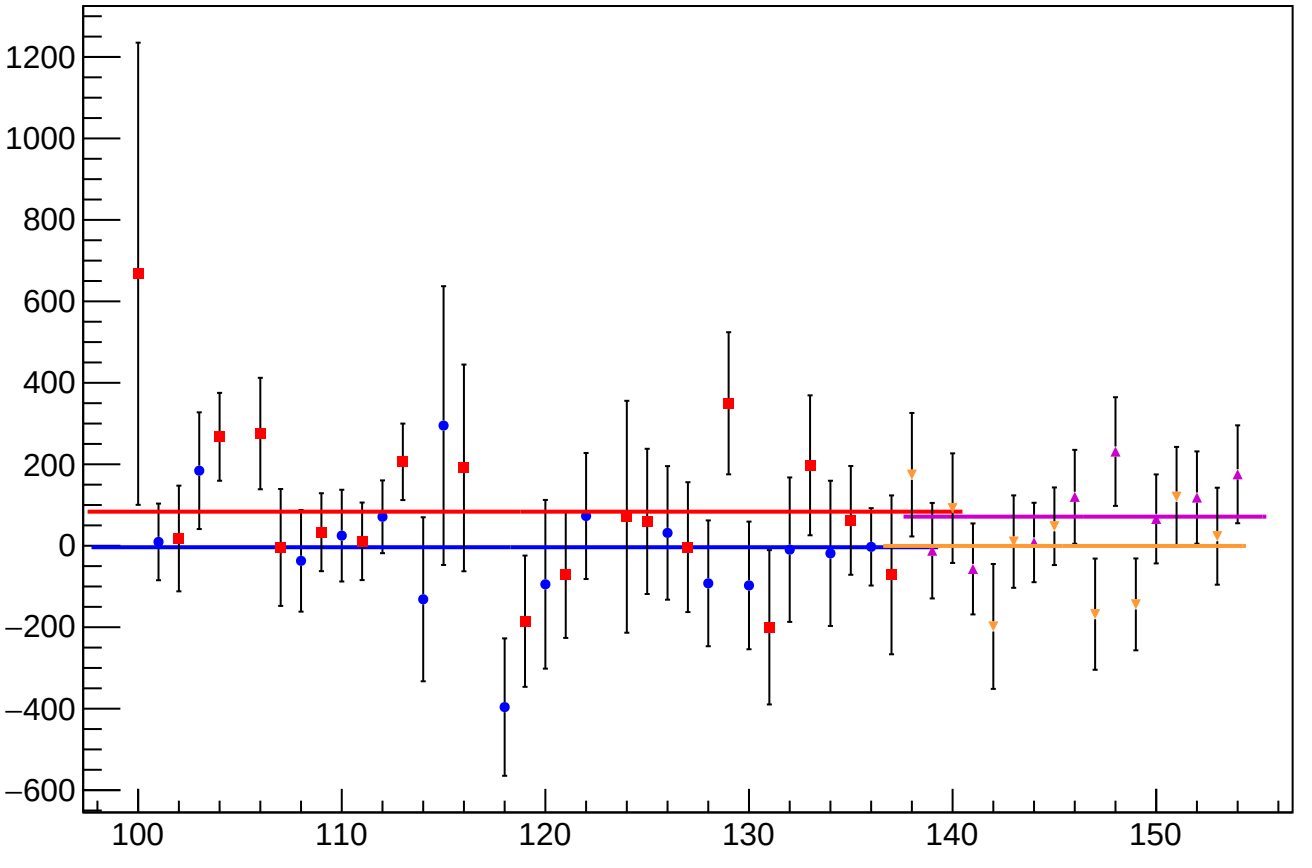
Left: 672.052+/-0.129 χ^2/NDF: 563299.0/16

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 663.164+/-0.130 χ^2/NDF:2124921.8/23

Out: 636.286+/-0.124 χ^2/NDF:2462267.8/27

All: 649.113+/-0.090 χ^2/NDF: 4609629.7/51



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: 71.447+/-40.144 χ^2/NDF:4.8/7

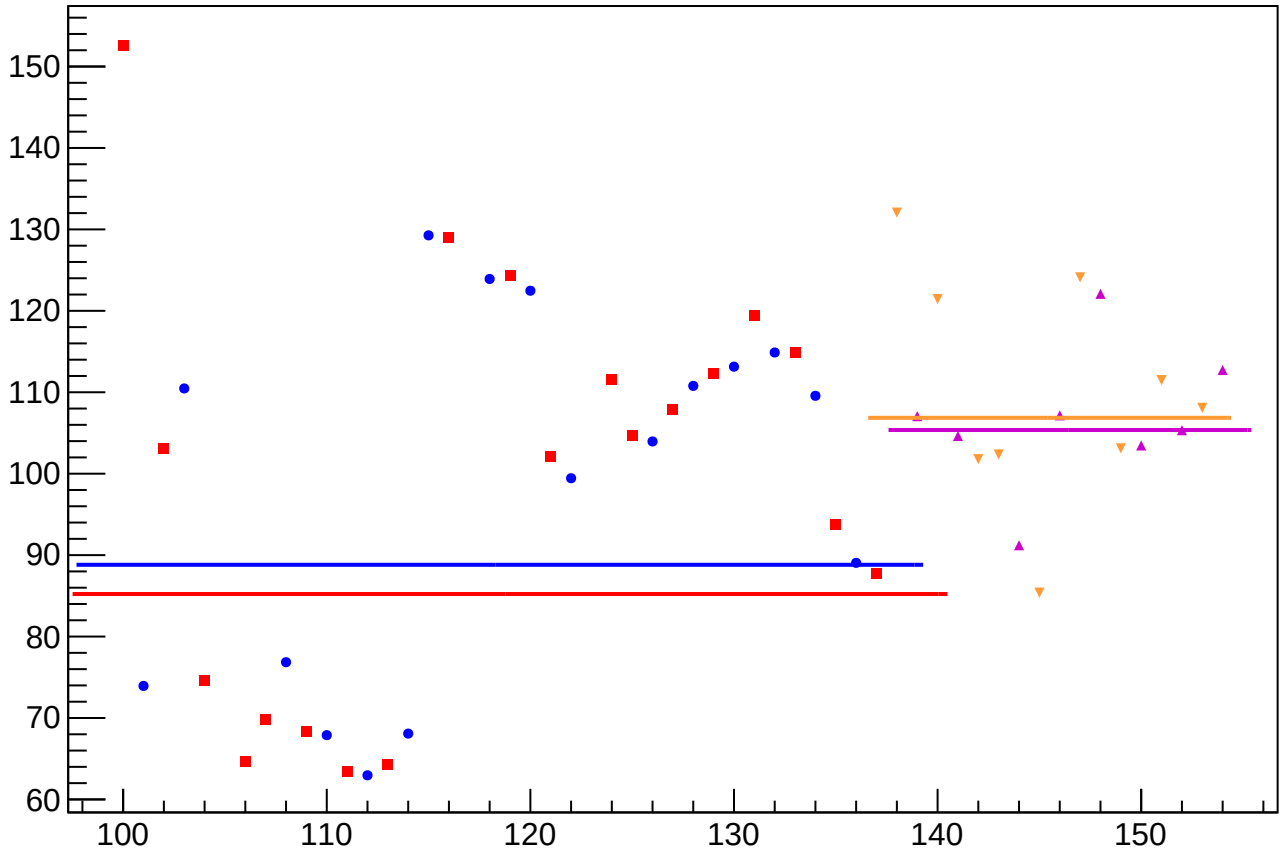
Left: 36.125+/-28.637 χ^2/NDF: 14.2/16

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 27.891+/-26.012 χ^2/NDF:17.2/23

Out: 50.908+/-25.499 χ^2/NDF:29.5/27

All: 39.629+/-18.209 χ^2/NDF: 47.1/51



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: 105.365+/-0.028 χ^2/NDF:82706.4/7

Left: 106.101+/-0.020 χ^2/NDF: 306920.4/16

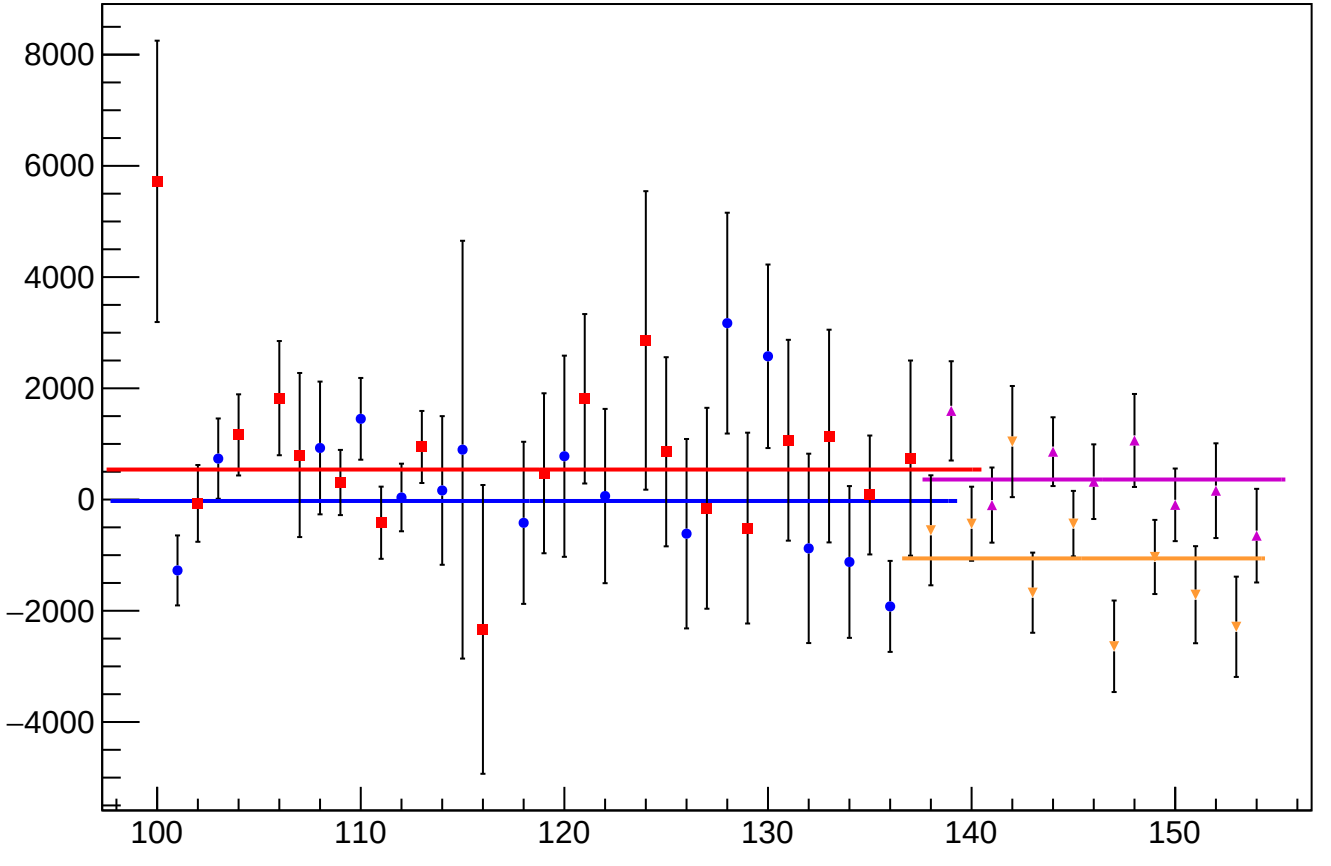
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 95.763+/-0.018 χ^2/NDF:1004559.4/23

Out: 93.650+/-0.018 χ^2/NDF:1449334.5/27

All: 94.686+/-0.013 χ^2/NDF: 2460621.7/51

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: 360.165+/-259.536 χ^2/NDF:5.7/7

Left: -361.278+/-181.950 χ^2/NDF: 34.4/16

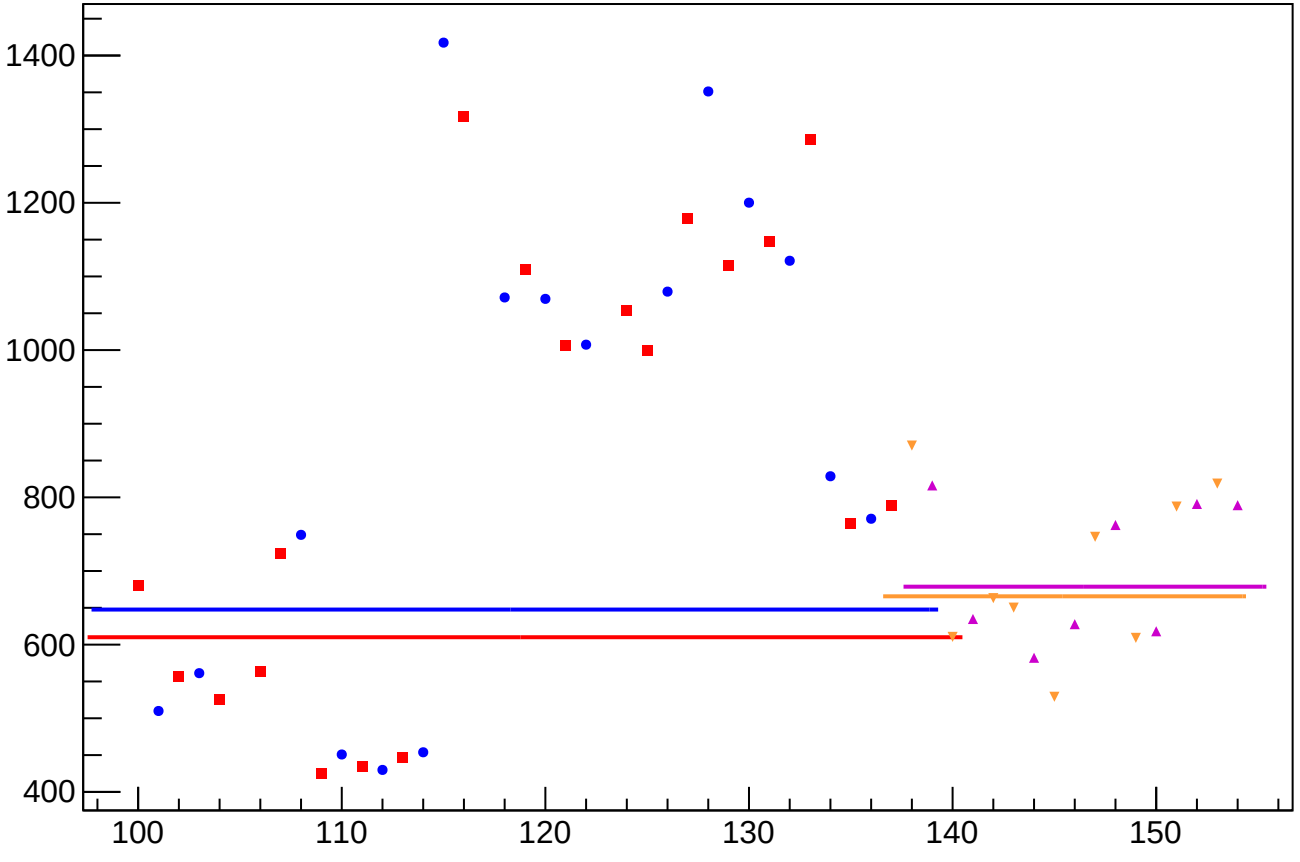
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 167.097+/-183.472 χ^2/NDF:28.4/23

Out: -214.698+/-175.293 χ^2/NDF:47.9/27

All: -32.499+/-126.744 χ^2/NDF: 78.5/51

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: 678.704+/-0.184 χ^2/NDF:222771.8/7

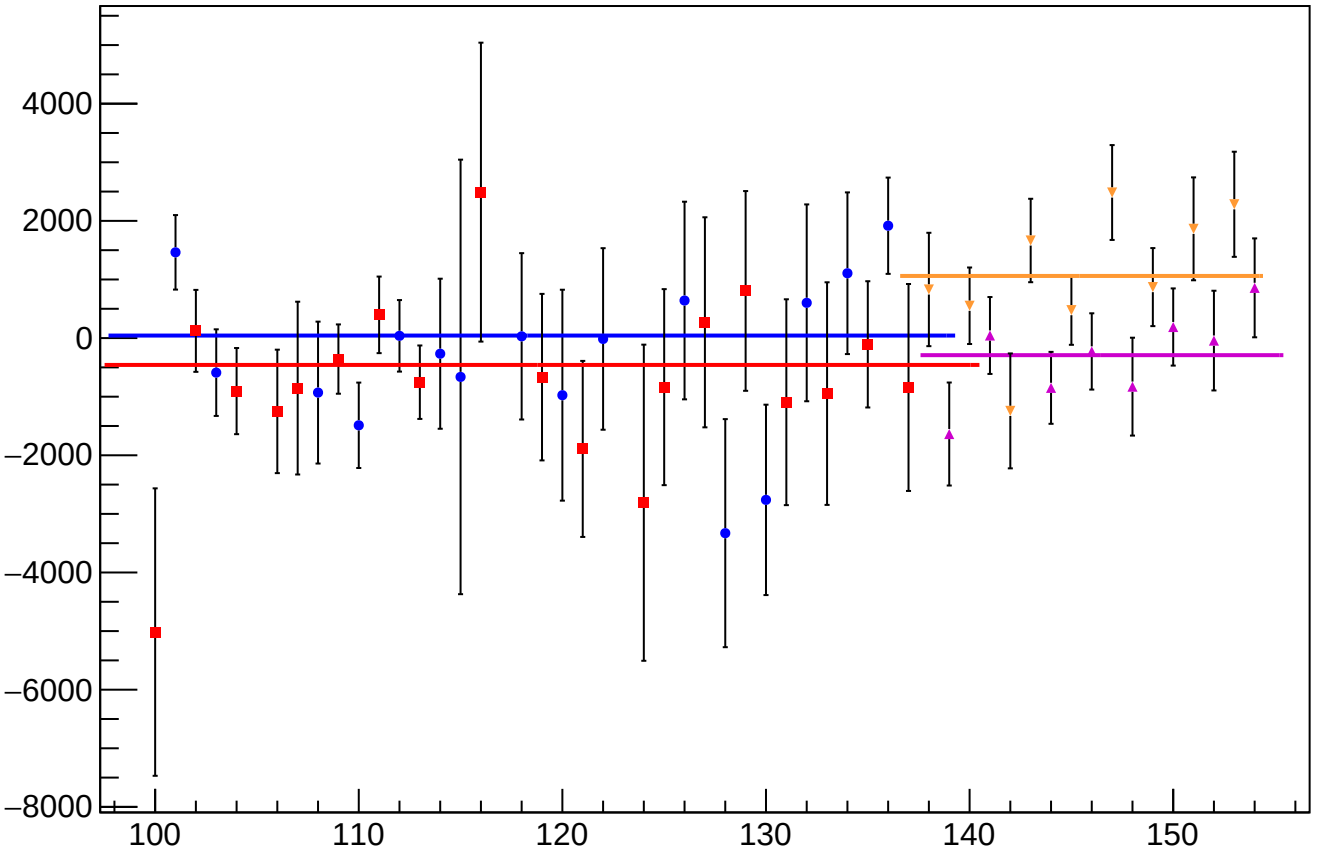
Left: 672.052+/-0.129 χ^2/NDF: 563299.6/16

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 663.164+/-0.130 χ^2/NDF:2124926.0/23

Out: 636.285+/-0.124 χ^2/NDF:2462273.1/27

All: 649.112+/-0.090 χ^2/NDF: 4609639.5/51



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: -291.410+/-256.840 χ^2/NDF:6.3/7

Left: 394.277+/-180.287 χ^2/NDF: 34.1/16

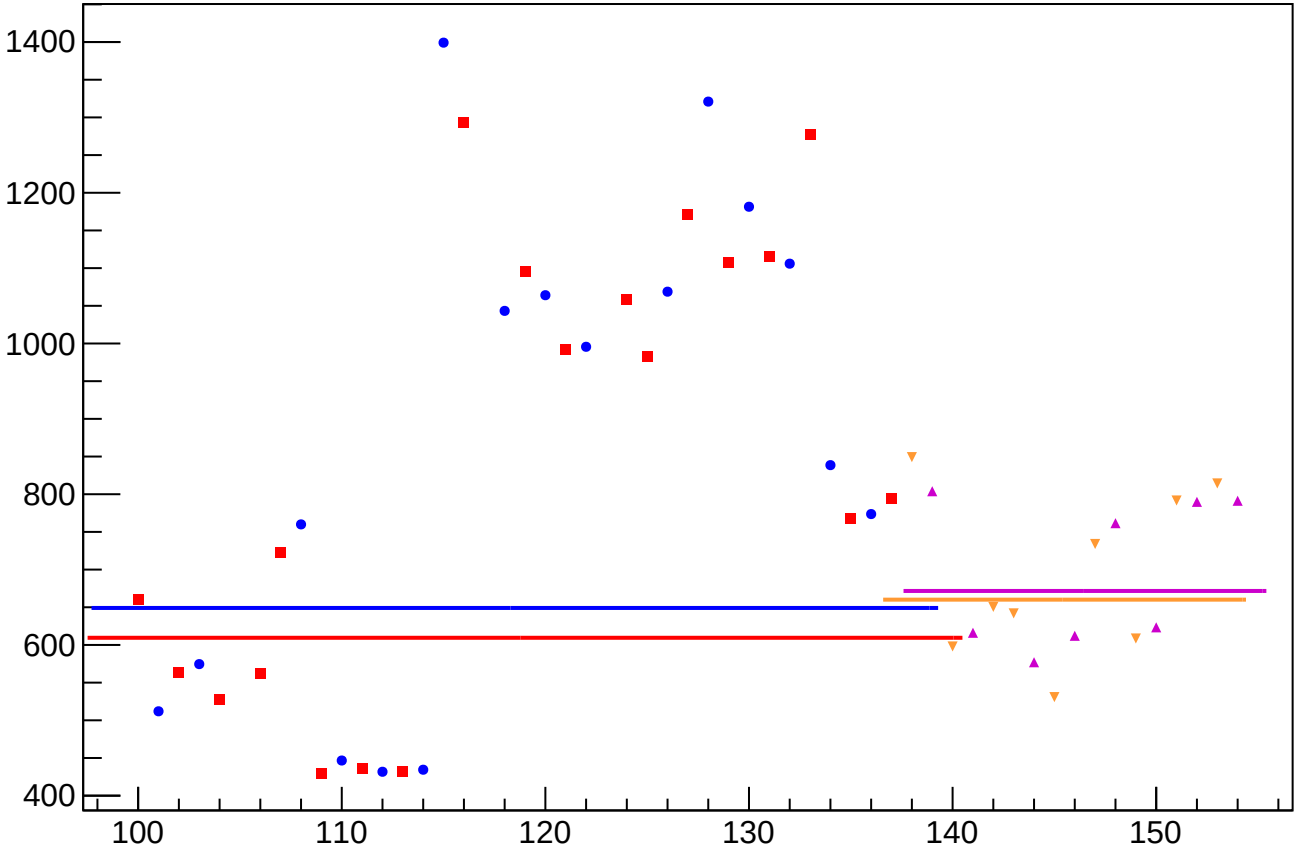
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -126.043+/-182.649 χ^2/NDF:30.4/23

Out: 264.212+/-174.588 χ^2/NDF:43.9/27

All: 77.887+/-126.206 χ^2/NDF: 76.6/51

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: 671.640+/-0.182 χ^2/NDF:236665.1/7

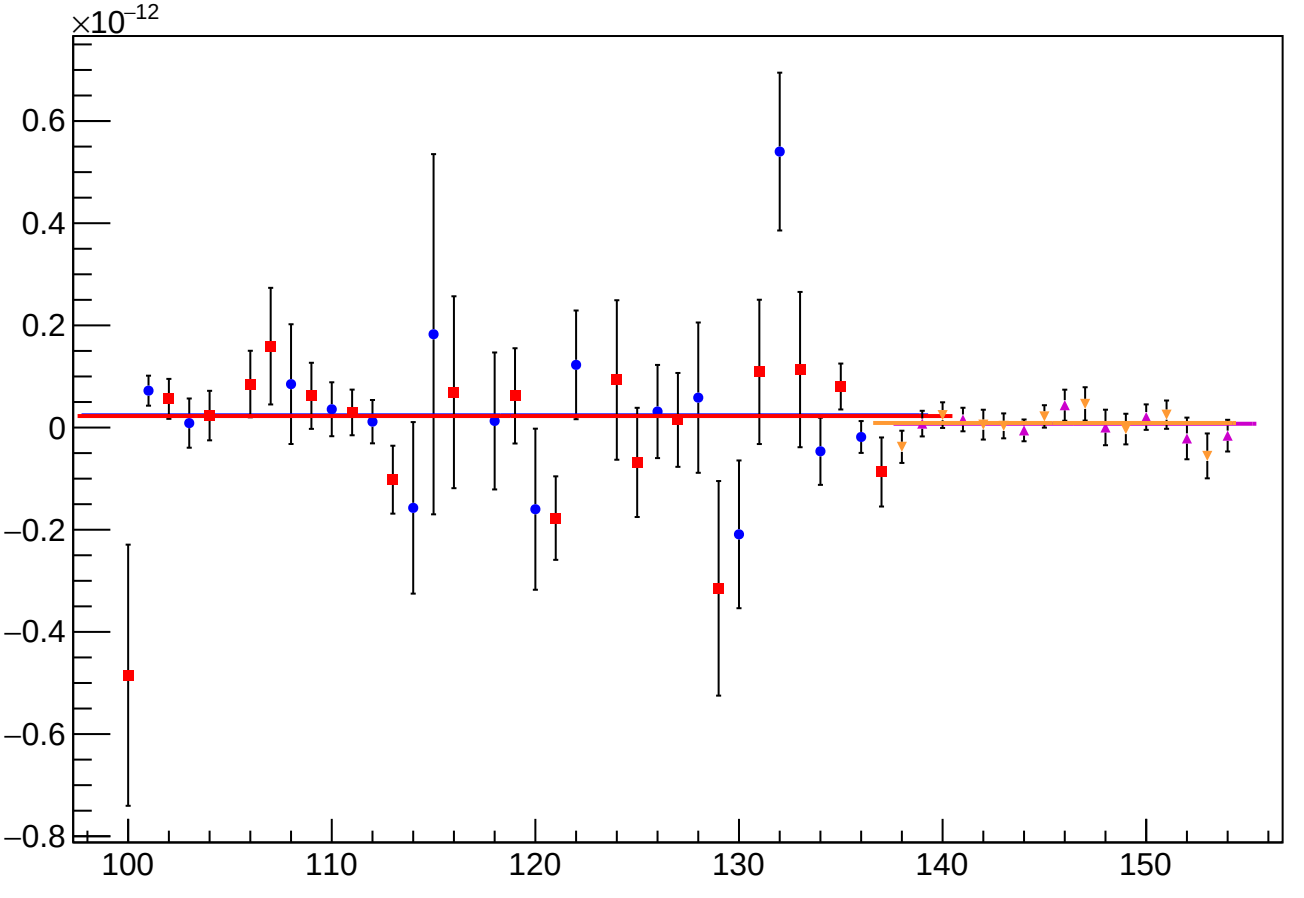
Left: 665.789+/-0.127 χ^2/NDF: 562983.7/16

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 660.494+/-0.129 χ^2/NDF:2090100.4/23

Out: 633.582+/-0.123 χ^2/NDF:2409745.5/27

All: 646.431+/-0.089 χ^2/NDF: 4522535.3/51



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:3.3/7

Left: 0.000+/-0.000 χ^2/NDF: 10.3/16

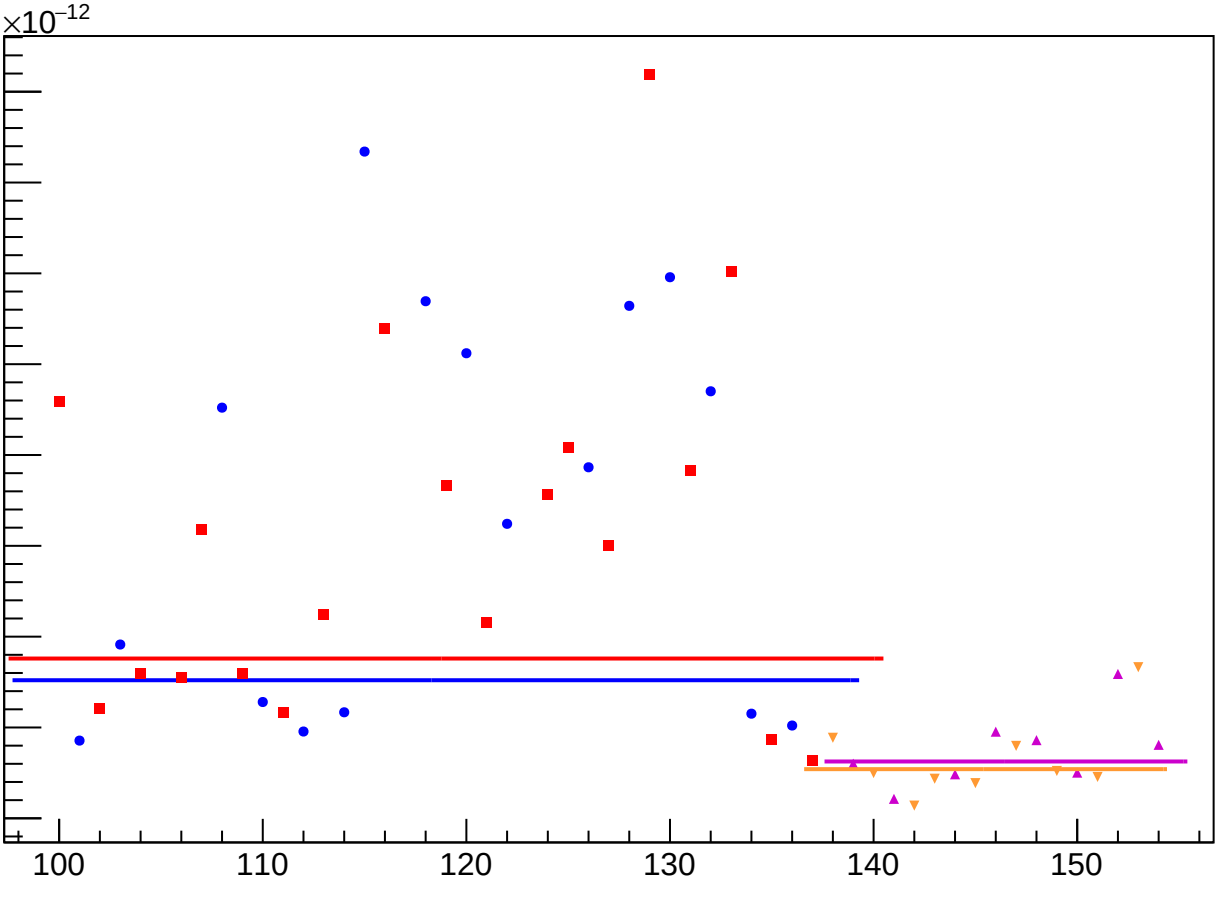
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:27.8/23

Out: 0.000+/-0.000 χ^2/NDF:33.1/27

All: 0.000+/-0.000 χ^2/NDF: 60.9/51

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:220911.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:228745.4/7

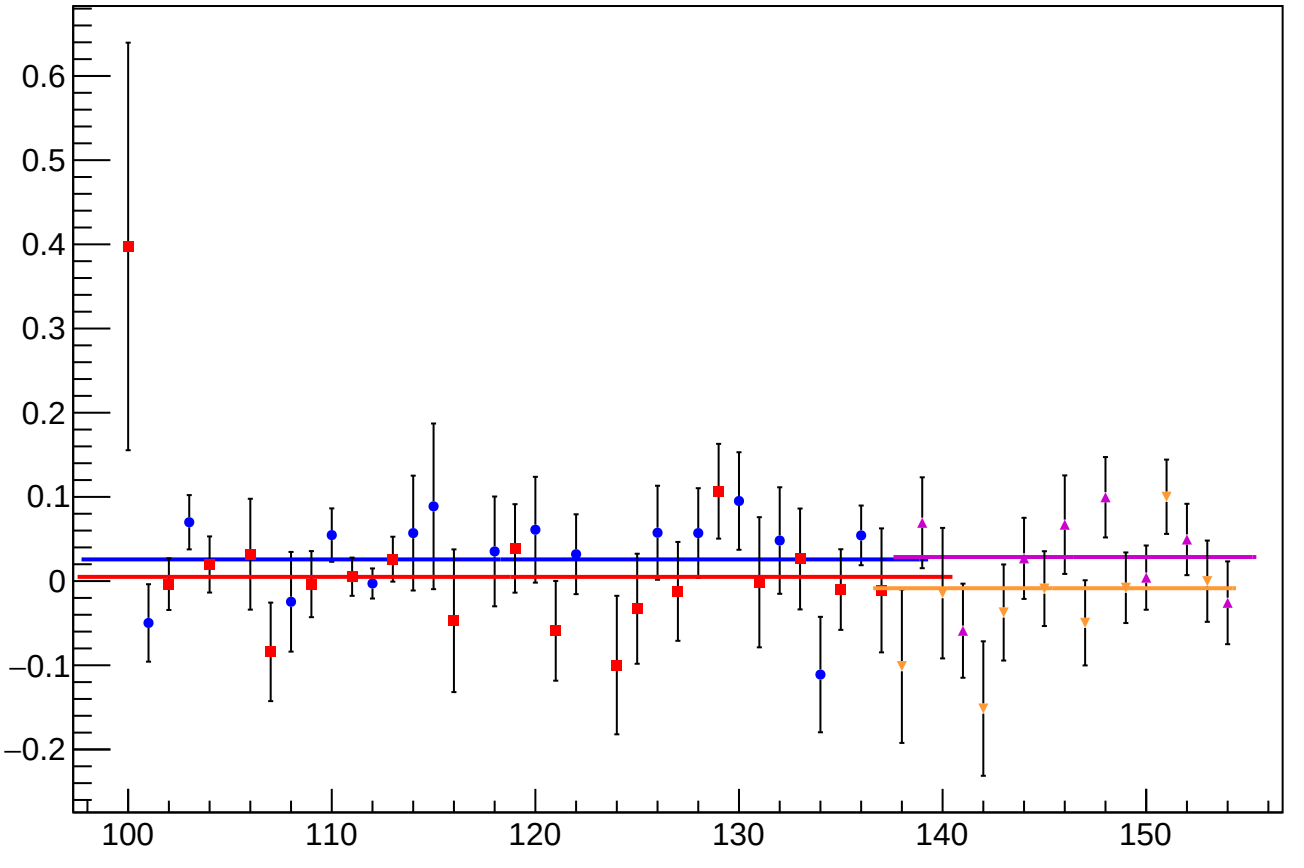
Left: 0.000+/-0.000 χ^2/NDF: 457566.8/16

Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2035623.5/23

Out: 0.000+/-0.000 χ^2/NDF:2045306.4/27

All: 0.000+/-0.000 χ^2/NDF: 4083148.5/51



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: 0.029+/-0.017 χ^2/NDF:7.5/7

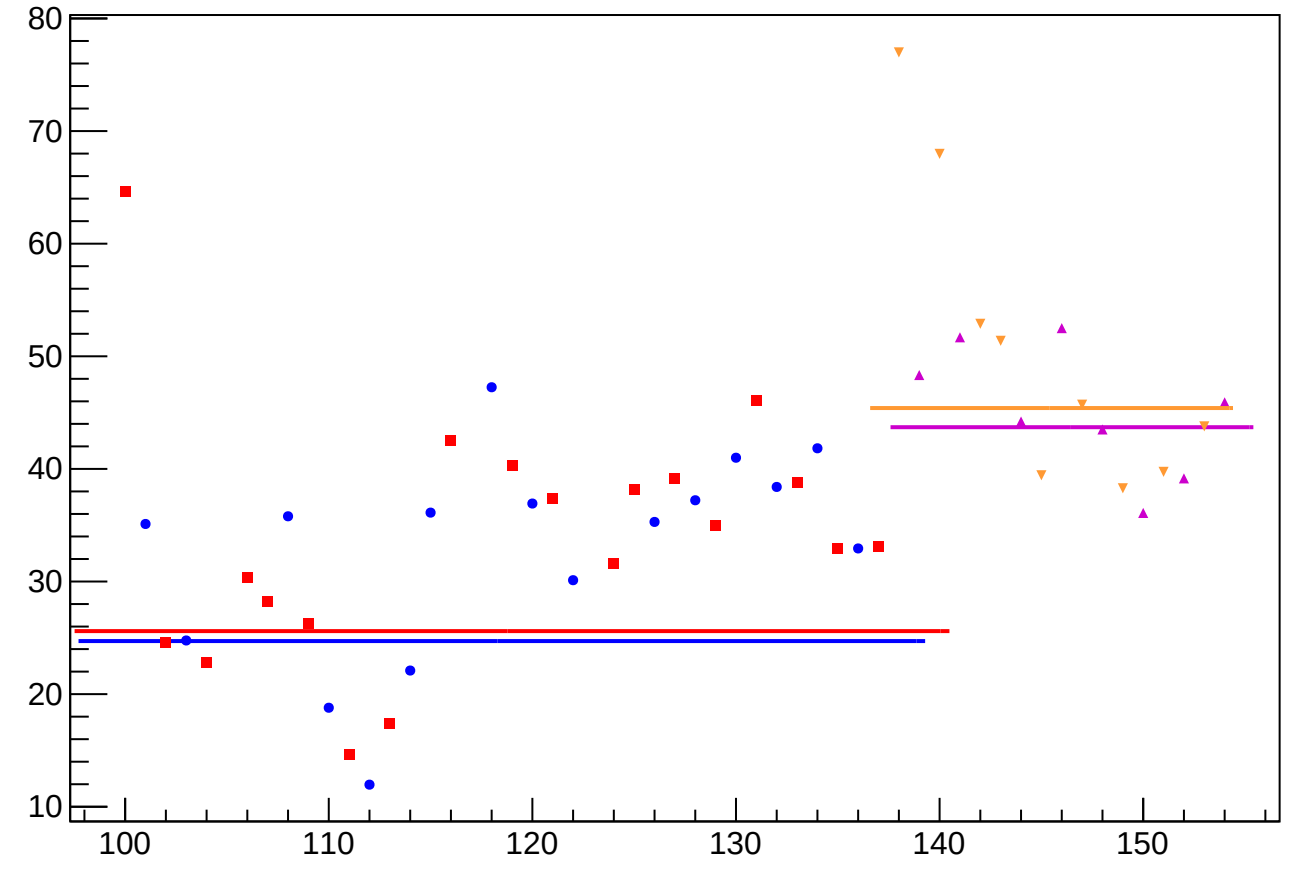
Left: 0.011+/-0.012 χ^2/NDF: 21.1/16

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:24.1/23

Out: 0.002+/-0.009 χ^2/NDF:25.3/27

All: 0.014+/-0.006 χ^2/NDF: 53.3/51



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: 43.704+/-0.012 χ^2/NDF:207657.9/7

Left: 44.513+/-0.009 χ^2/NDF: 795659.2/16

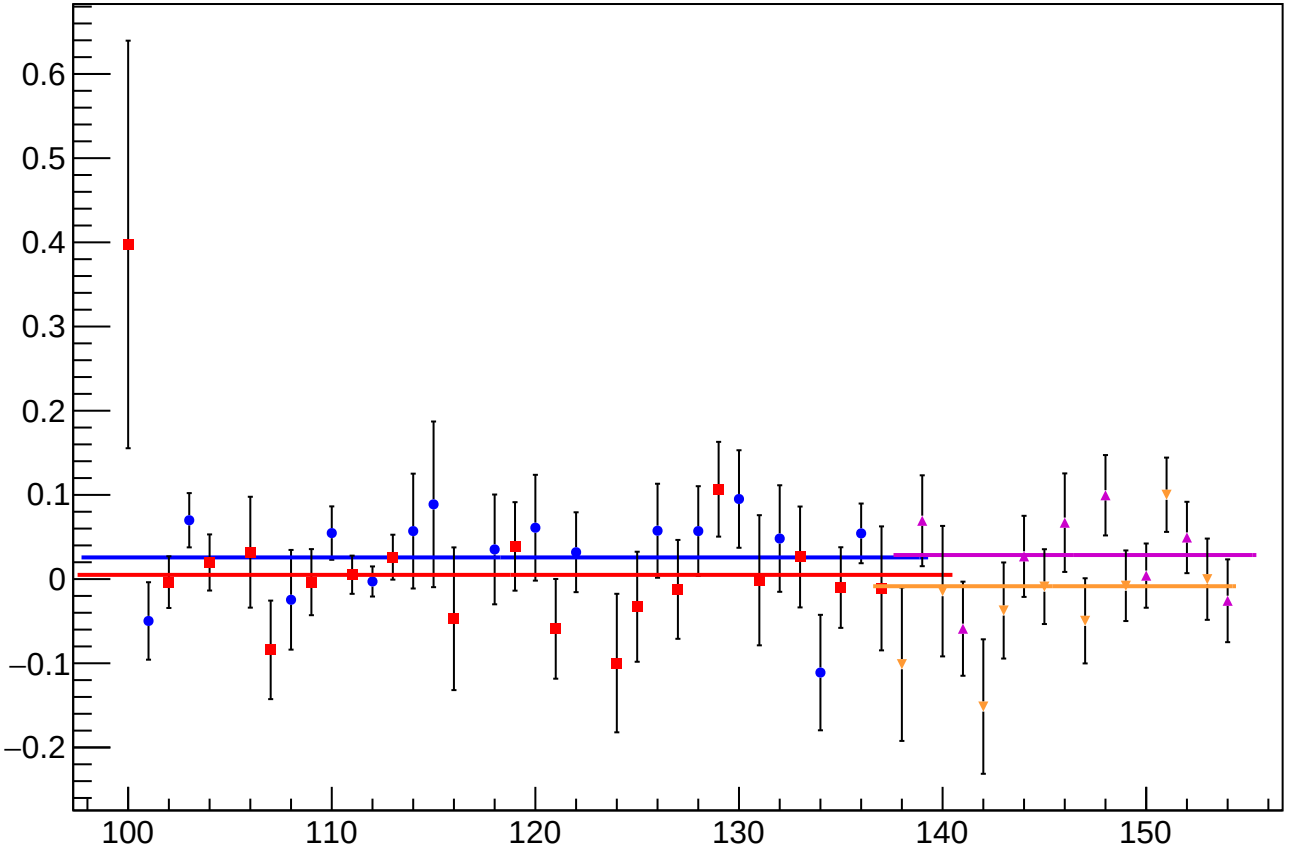
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 29.877+/-0.006 χ^2/NDF:4331781.4/23

Out: 30.605+/-0.006 χ^2/NDF:4036114.0/27

All: 30.236+/-0.004 χ^2/NDF: 8374589.3/51

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.018 χ^2/NDF:11.3/8

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.029+/-0.017 χ^2/NDF:7.5/7

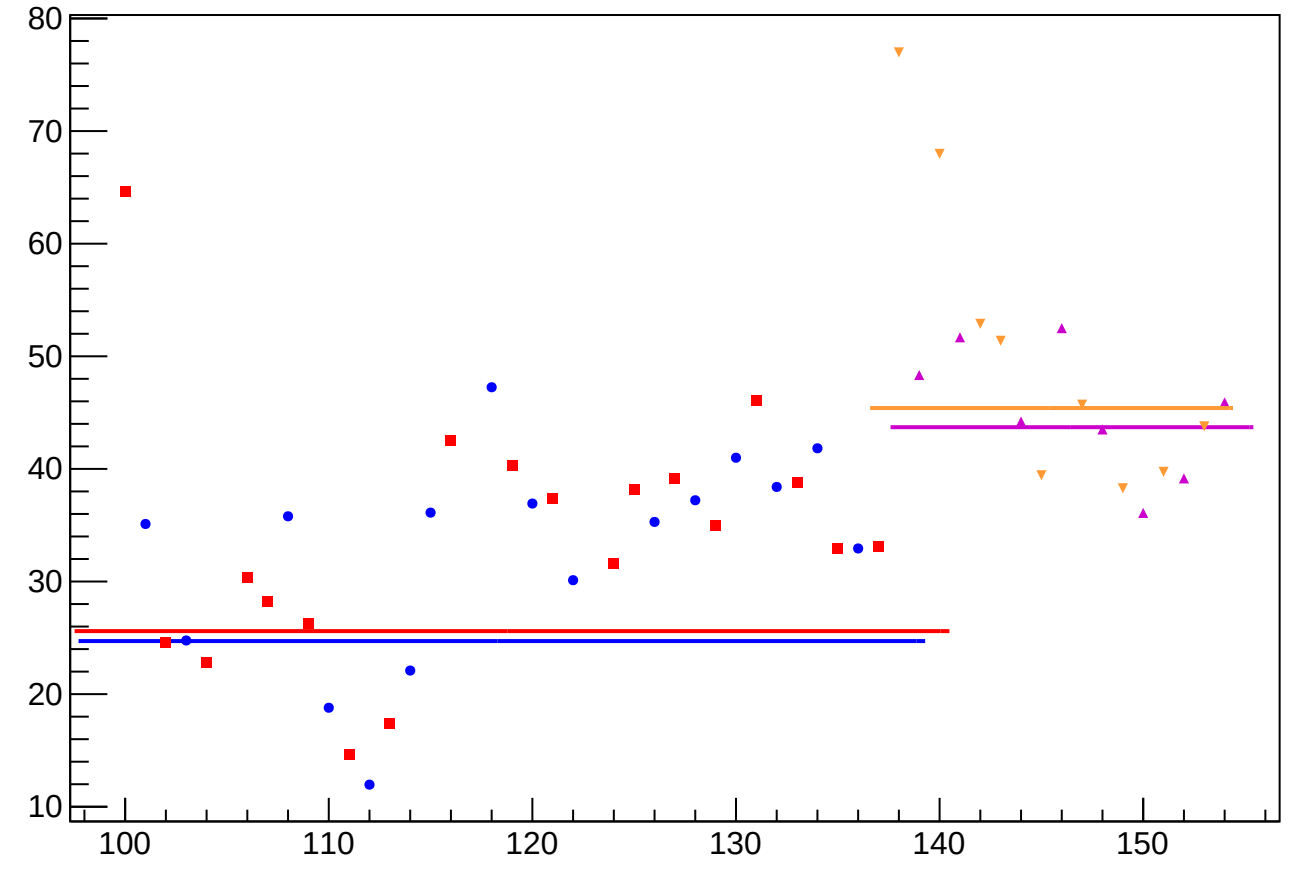
Left: 0.011+/-0.012 χ^2/NDF: 21.1/16

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:24.1/23

Out: 0.002+/-0.009 χ^2/NDF:25.3/27

All: 0.014+/-0.006 χ^2/NDF: 53.3/51



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: 43.704+/-0.012 χ^2/NDF:207657.9/7

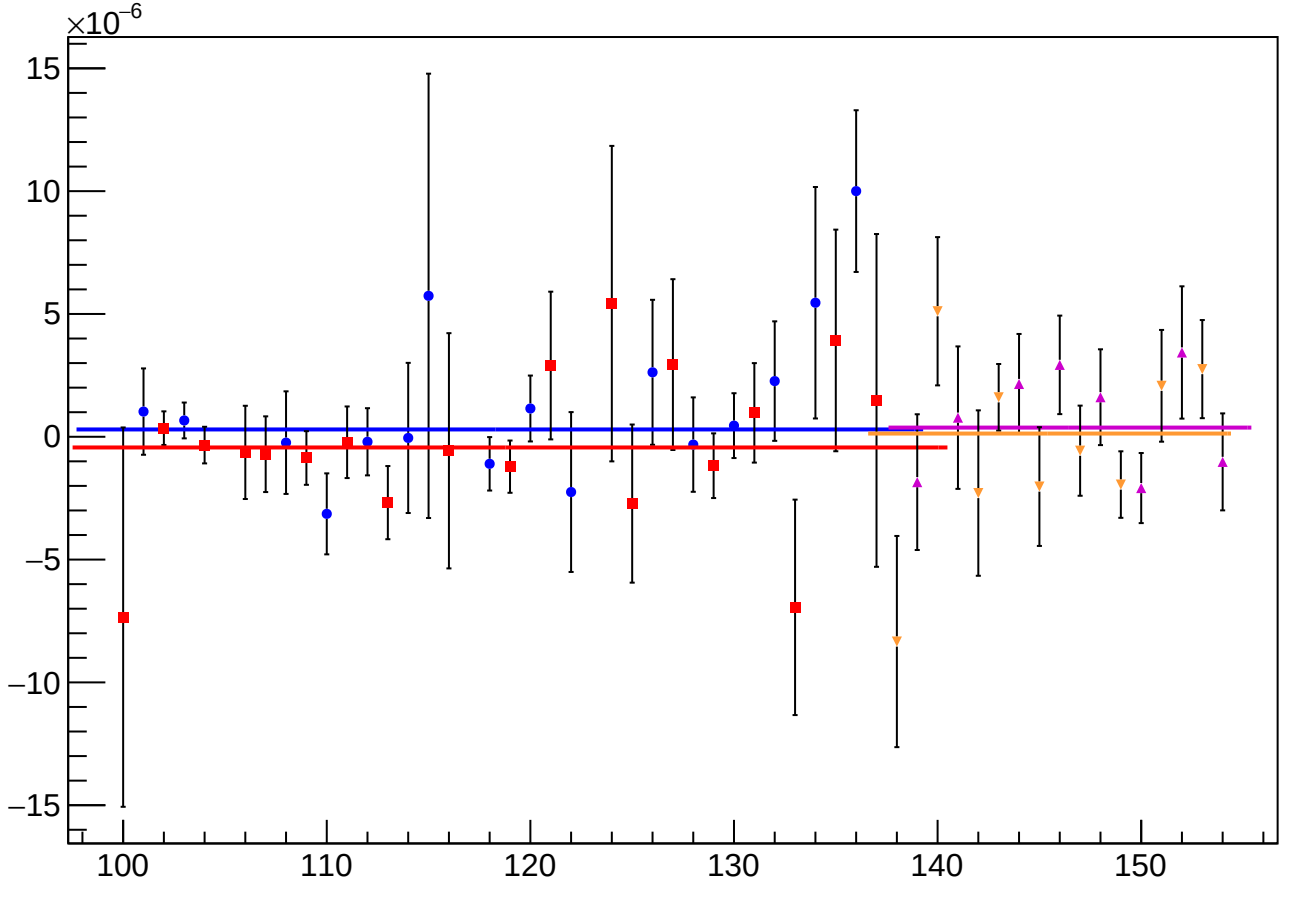
Left: 44.513+/-0.009 χ^2/NDF: 795659.2/16

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 29.877+/-0.006 χ^2/NDF:4331781.4/23

Out: 30.605+/-0.006 χ^2/NDF:4036114.0/27

All: 30.236+/-0.004 χ^2/NDF: 8374589.3/51



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:8.2/7

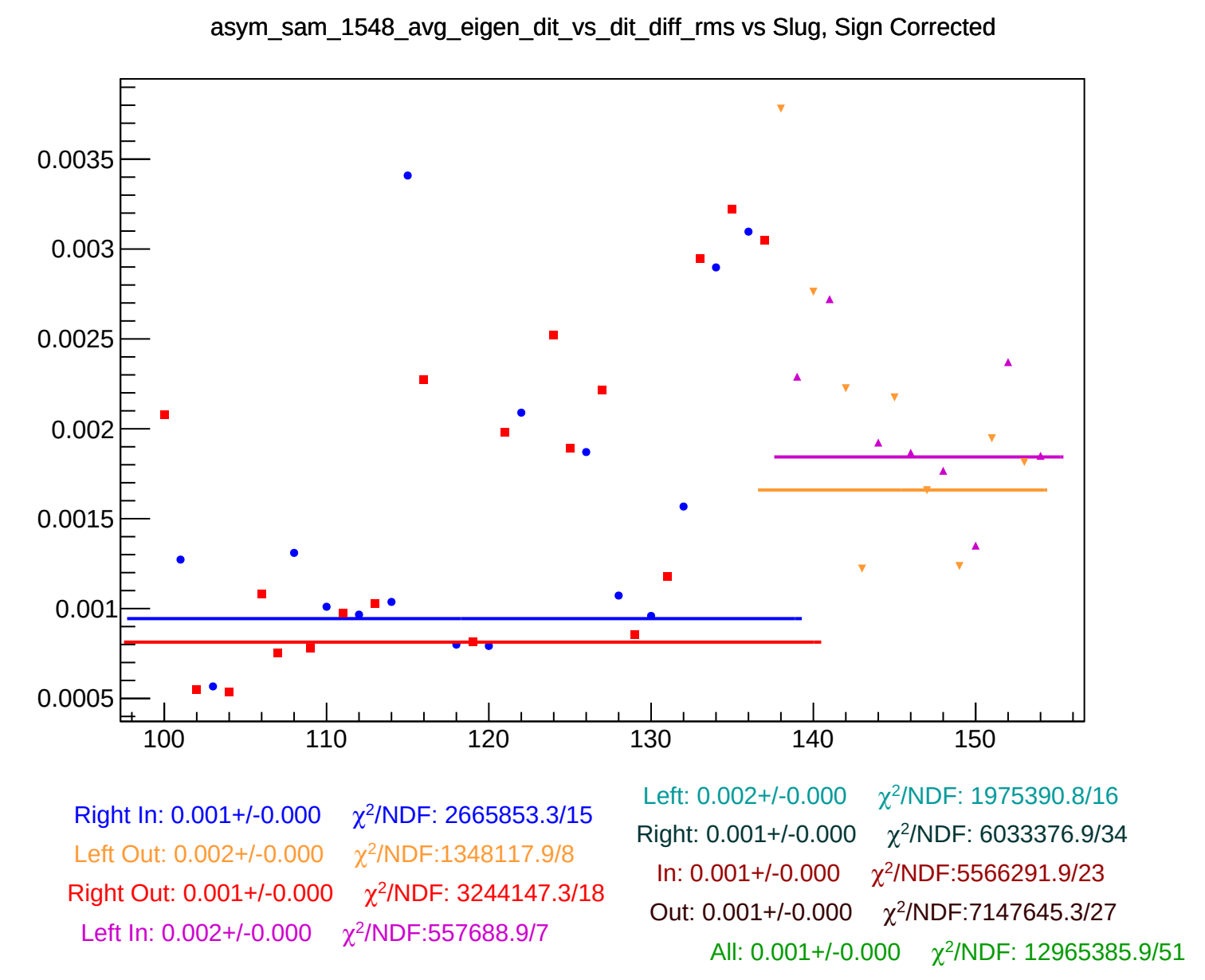
Left: 0.000+/-0.000 χ^2/NDF: 22.3/16

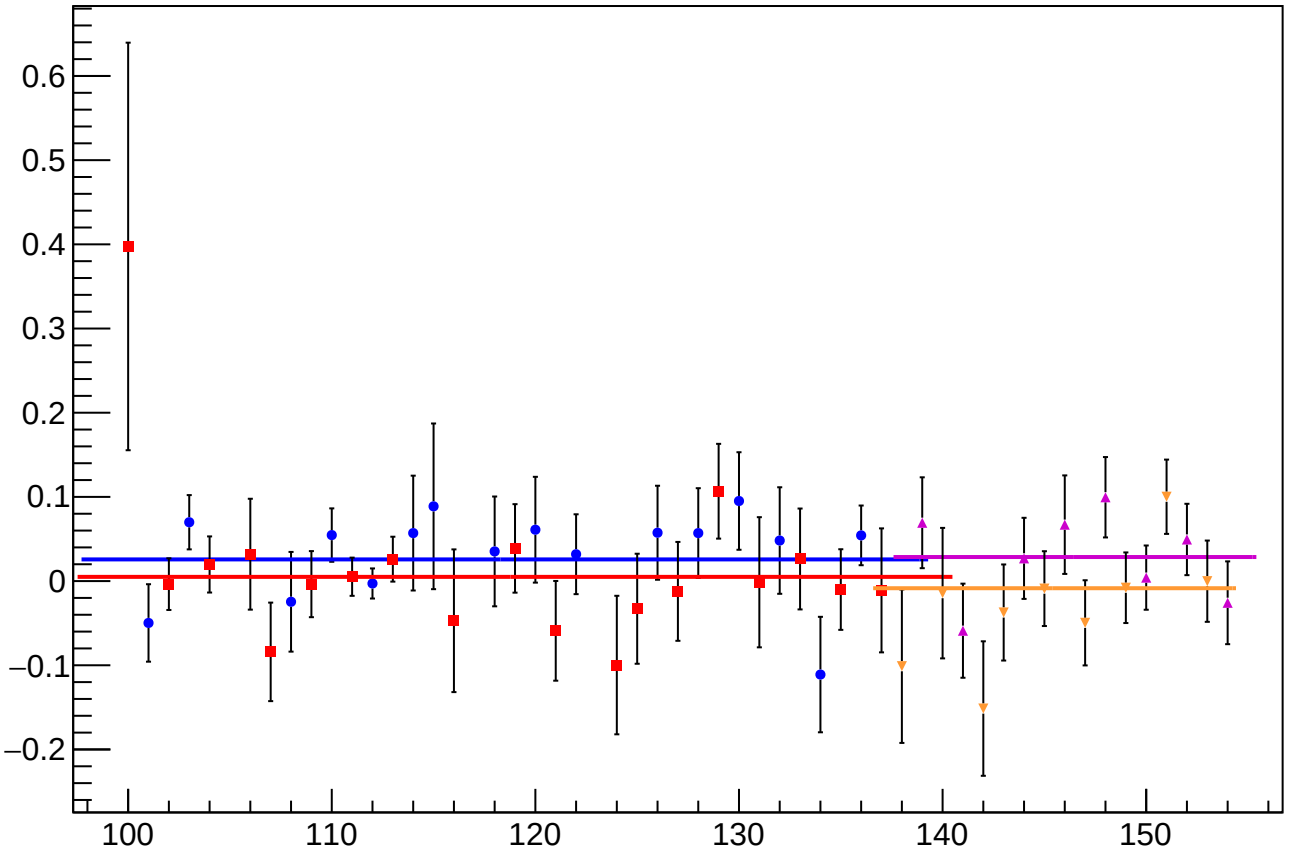
Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:27.5/23

Out: -0.000+/-0.000 χ^2/NDF:27.3/27

All: -0.000+/-0.000 χ^2/NDF: 56.7/51


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:557688.9/7
Left: 0.002+/-0.000 χ²/NDF: 1975390.8/16
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:5566291.9/23
Out: 0.001+/-0.000 χ²/NDF:7147645.3/27
All: 0.001+/-0.000 χ²/NDF: 12965385.9/51



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: 0.029+/-0.017 χ^2/NDF:7.5/7

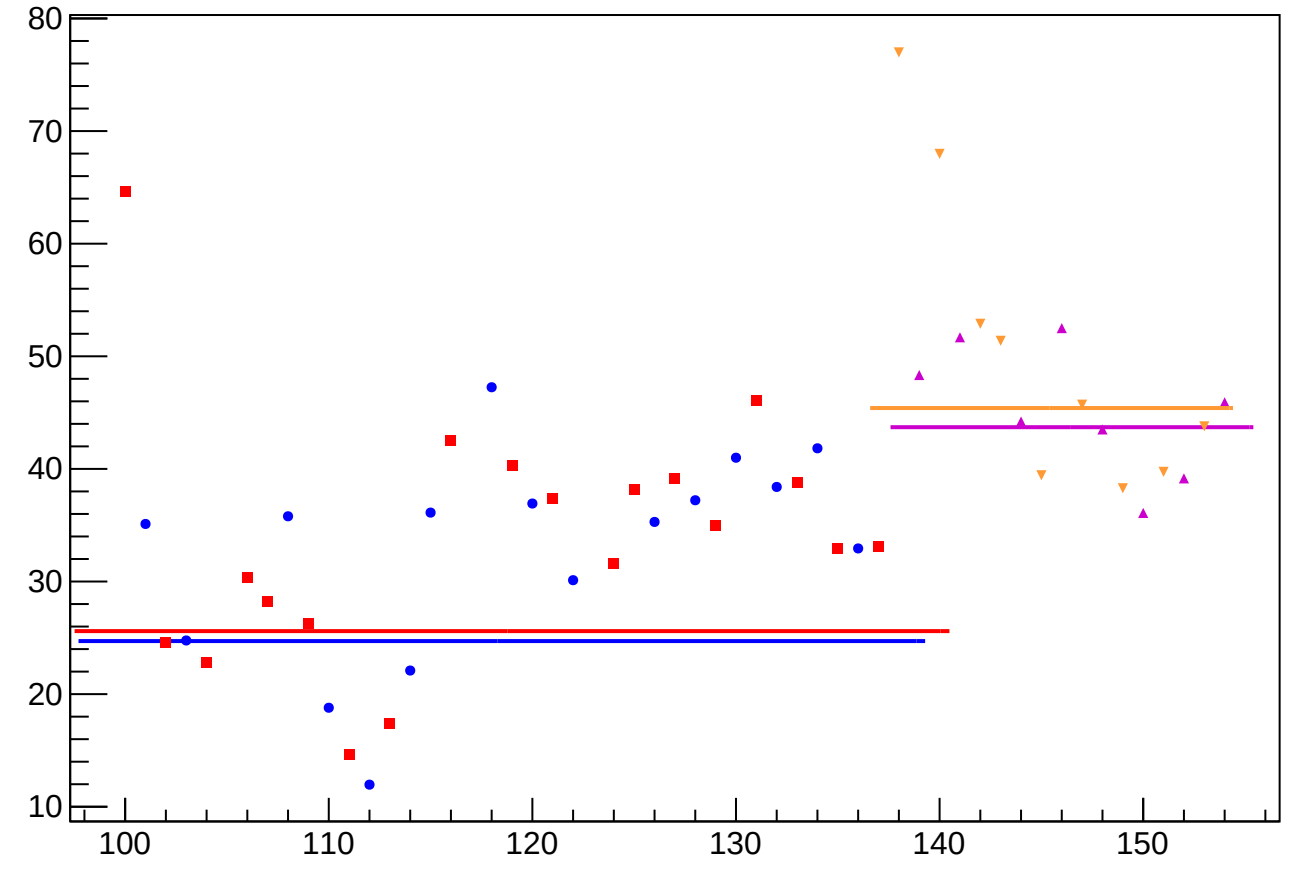
Left: 0.011+/-0.012 χ^2/NDF: 21.1/16

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:24.1/23

Out: 0.002+/-0.009 χ^2/NDF:25.3/27

All: 0.014+/-0.006 χ^2/NDF: 53.3/51



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: 43.704+/-0.012 χ^2/NDF:207660.5/7

Left: 44.514+/-0.009 χ^2/NDF: 795645.8/16

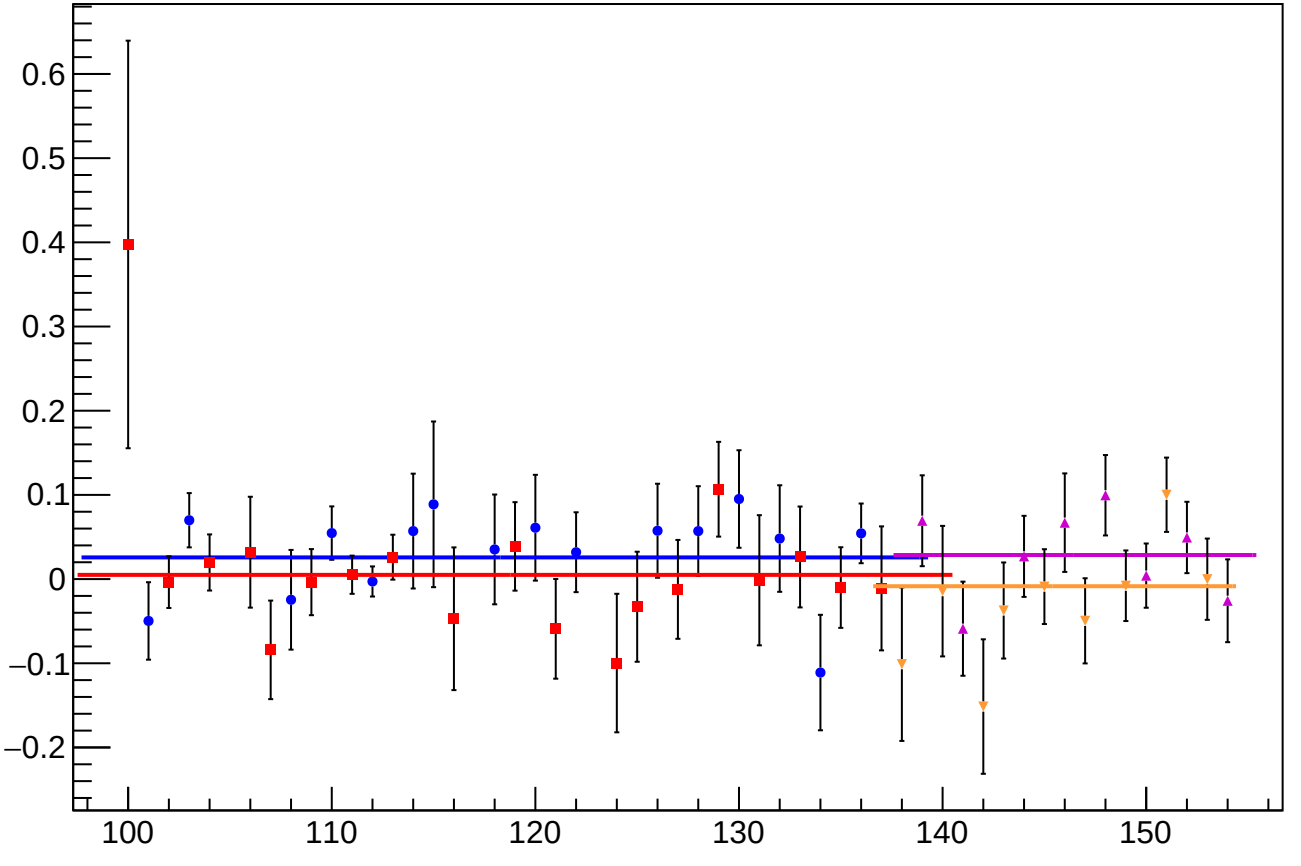
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 29.877+/-0.006 χ^2/NDF:4332162.5/23

Out: 30.604+/-0.006 χ^2/NDF:4036415.2/27

All: 30.236+/-0.004 χ^2/NDF: 8375274.1/51

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: 0.029+/-0.017 χ^2/NDF:7.5/7

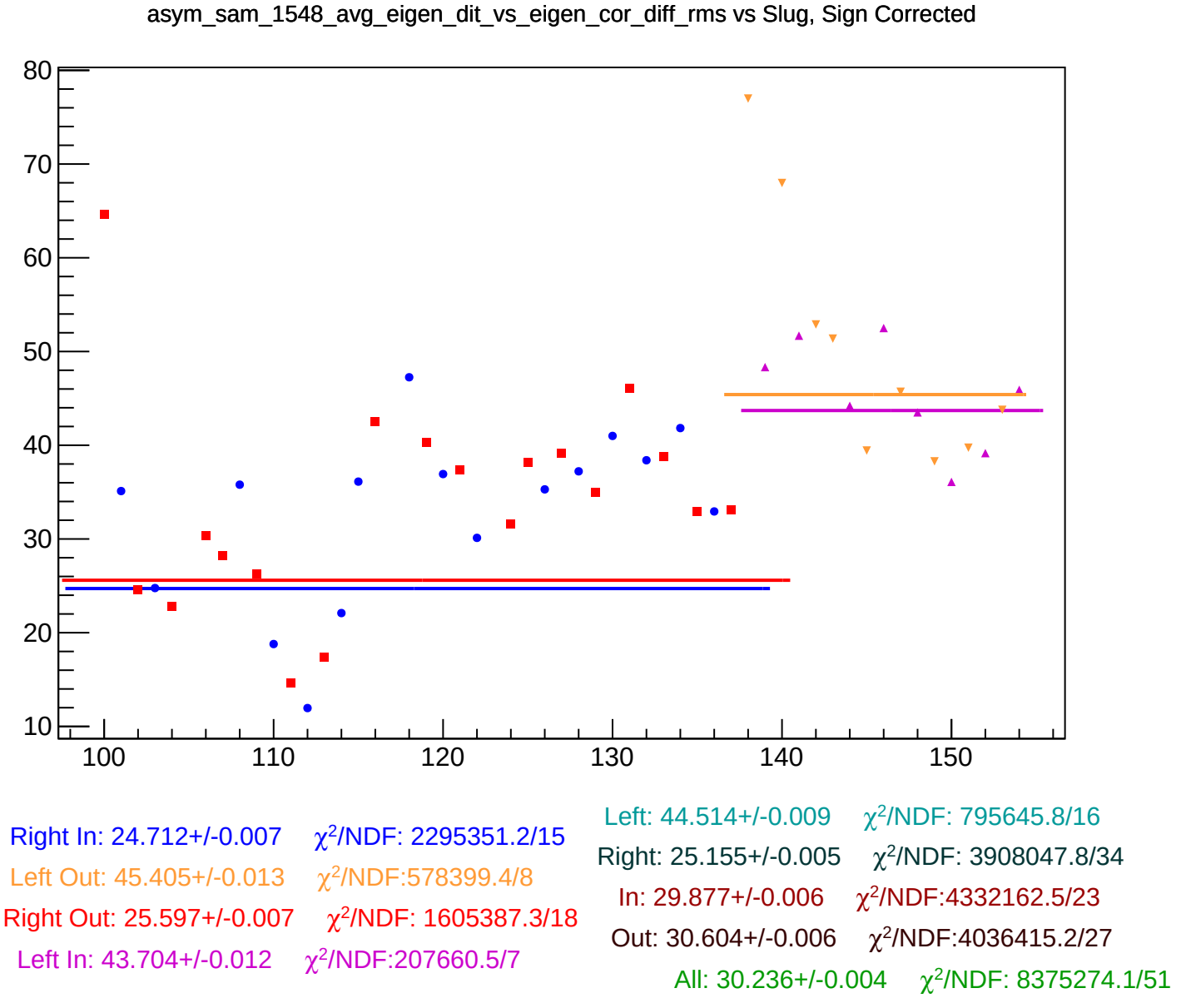
Left: 0.011+/-0.012 χ^2/NDF: 21.1/16

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:24.1/23

Out: 0.002+/-0.009 χ^2/NDF:25.3/27

All: 0.014+/-0.006 χ^2/NDF: 53.3/51


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
60
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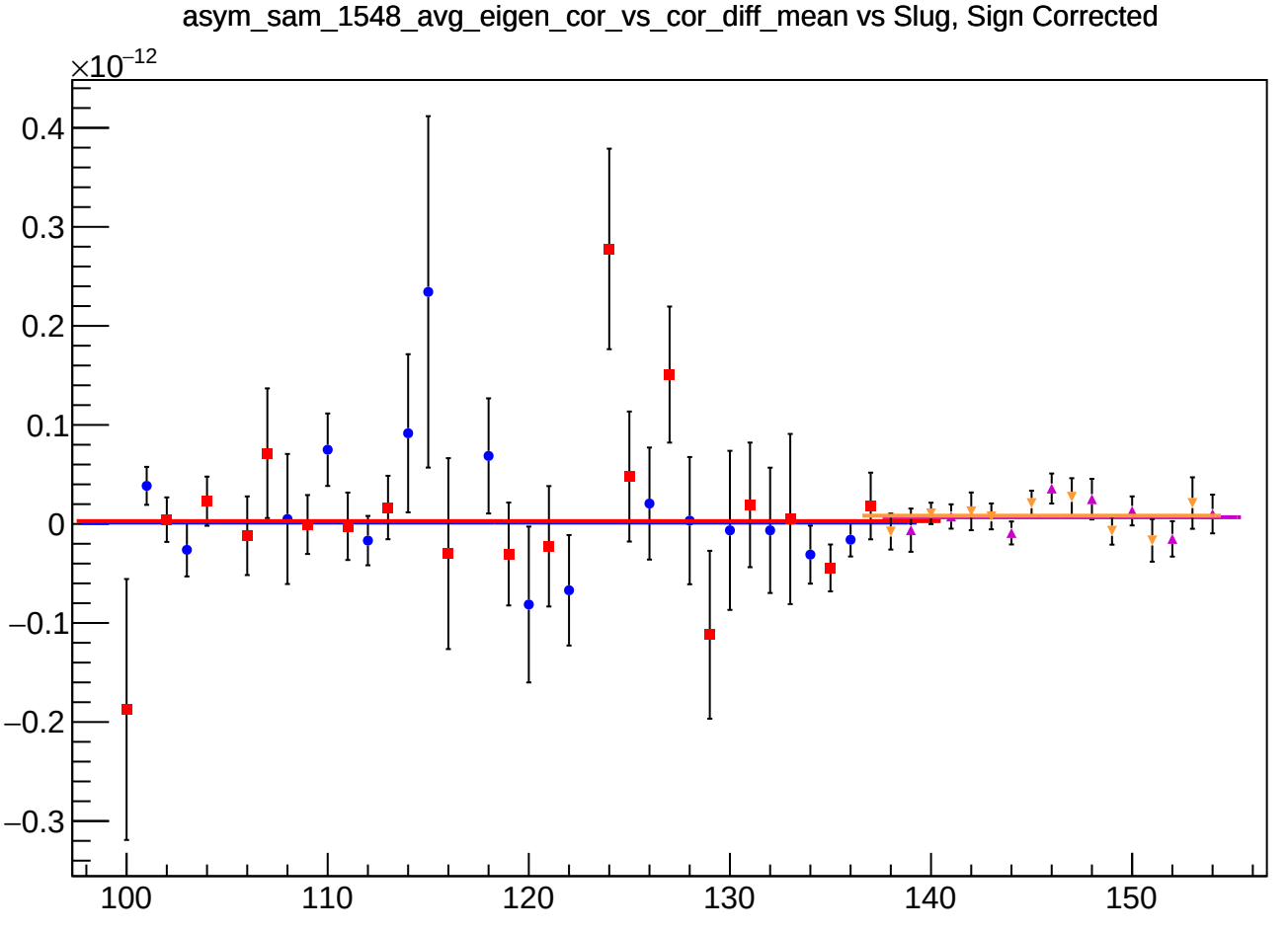
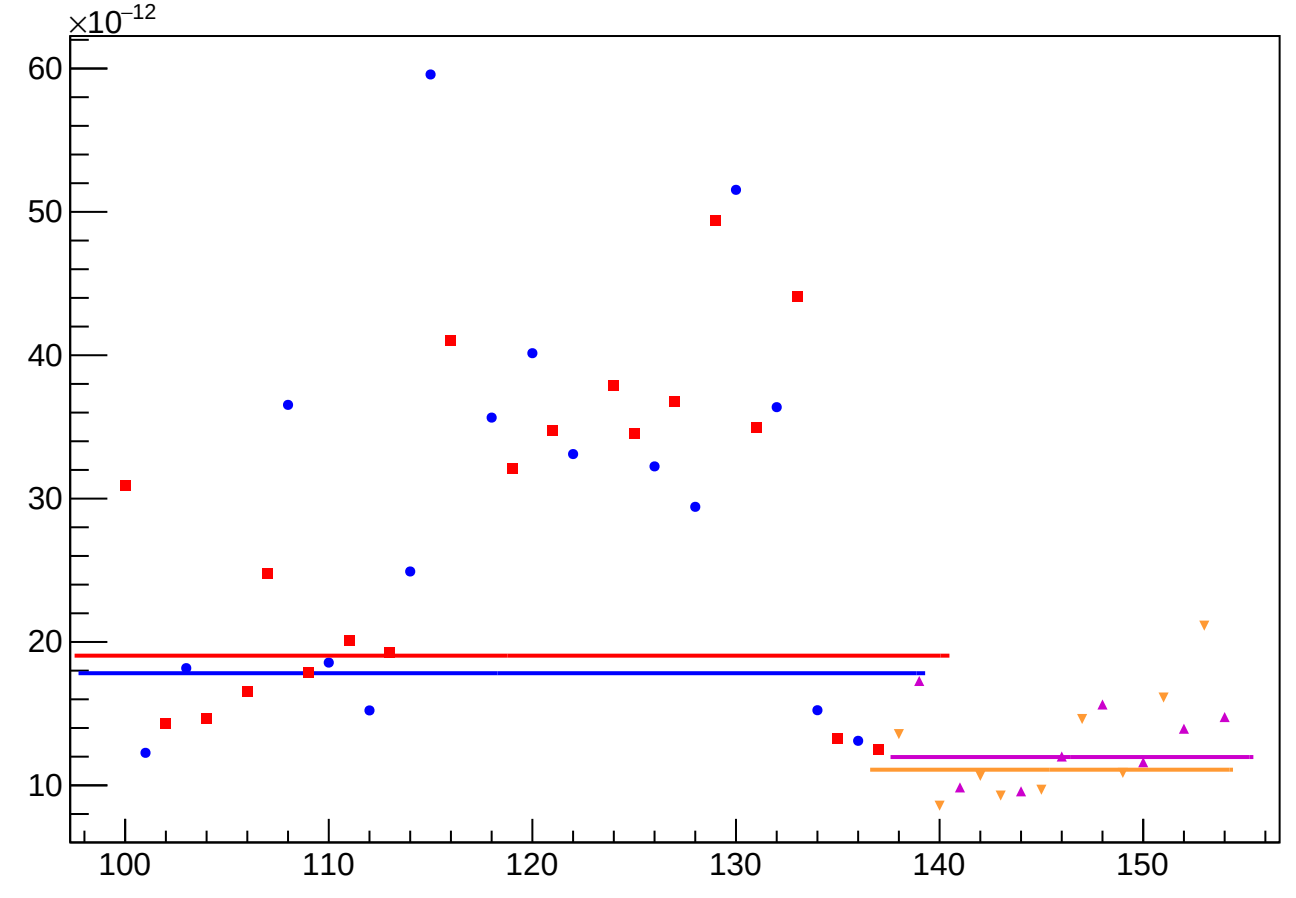
40
30
20
10
100
110
120
130
140
150
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 45.405+/-0.013 χ²/NDF:578399.4/8
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 43.704+/-0.012 χ²/NDF:207660.5/7
Left: 44.514+/-0.009 χ²/NDF: 795645.8/16
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 29.877+/-0.006 χ²/NDF:4332162.5/23
Out: 30.604+/-0.006 χ²/NDF:4036415.2/27
All: 30.236+/-0.004 χ²/NDF: 8375274.1/51


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:8.4/7
Left: 0.000+/-0.000 χ²/NDF: 14.1/16
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:27.4/23
Out: 0.000+/-0.000 χ²/NDF:29.4/27
All: 0.000+/-0.000 χ²/NDF: 56.9/51



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:392572.4/7

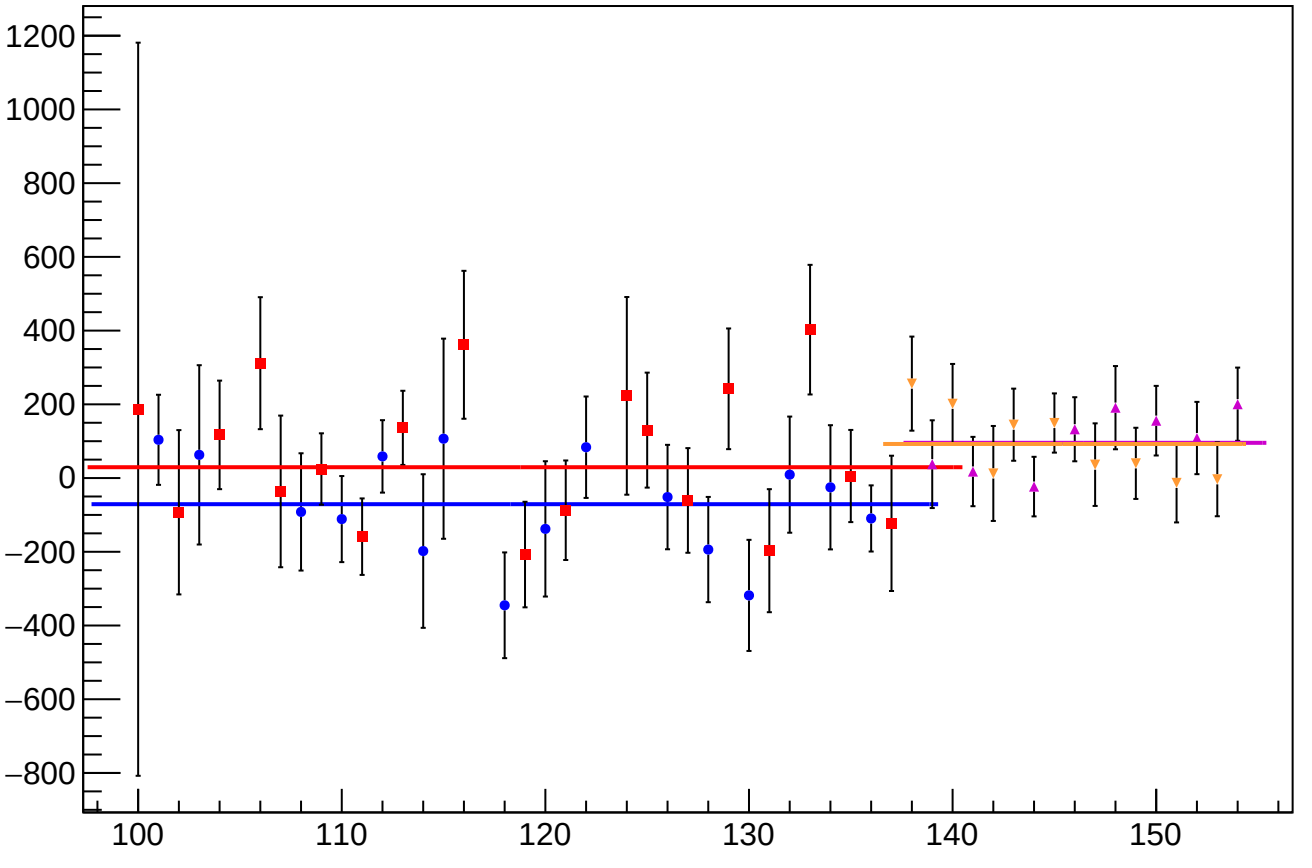
Left: 0.000+/-0.000 χ^2/NDF: 1108766.6/16

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:2911799.3/23

Out: 0.000+/-0.000 χ^2/NDF:3462270.6/27

All: 0.000+/-0.000 χ^2/NDF: 6394274.0/51



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: 95.582+/-33.994 χ^2/NDF:5.5/7

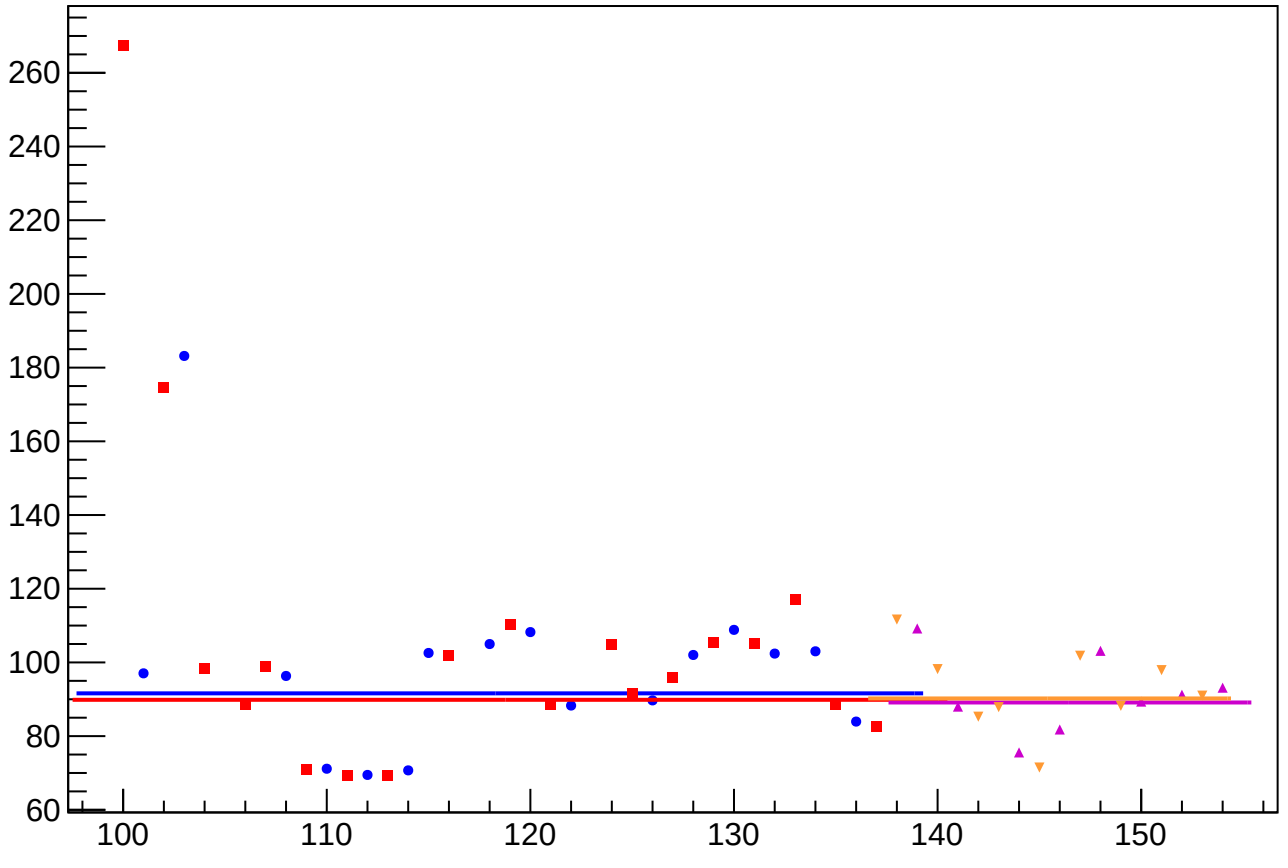
Left: 94.044+/-24.215 χ^2/NDF: 11.8/16

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 15.060+/-24.427 χ^2/NDF:31.2/23

Out: 60.699+/-24.304 χ^2/NDF:32.0/27

All: 37.995+/-17.229 χ^2/NDF: 64.9/51



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: 89.128+/-0.024 χ^2/NDF:162748.6/7

Left: 89.668+/-0.017 χ^2/NDF: 376541.5/16

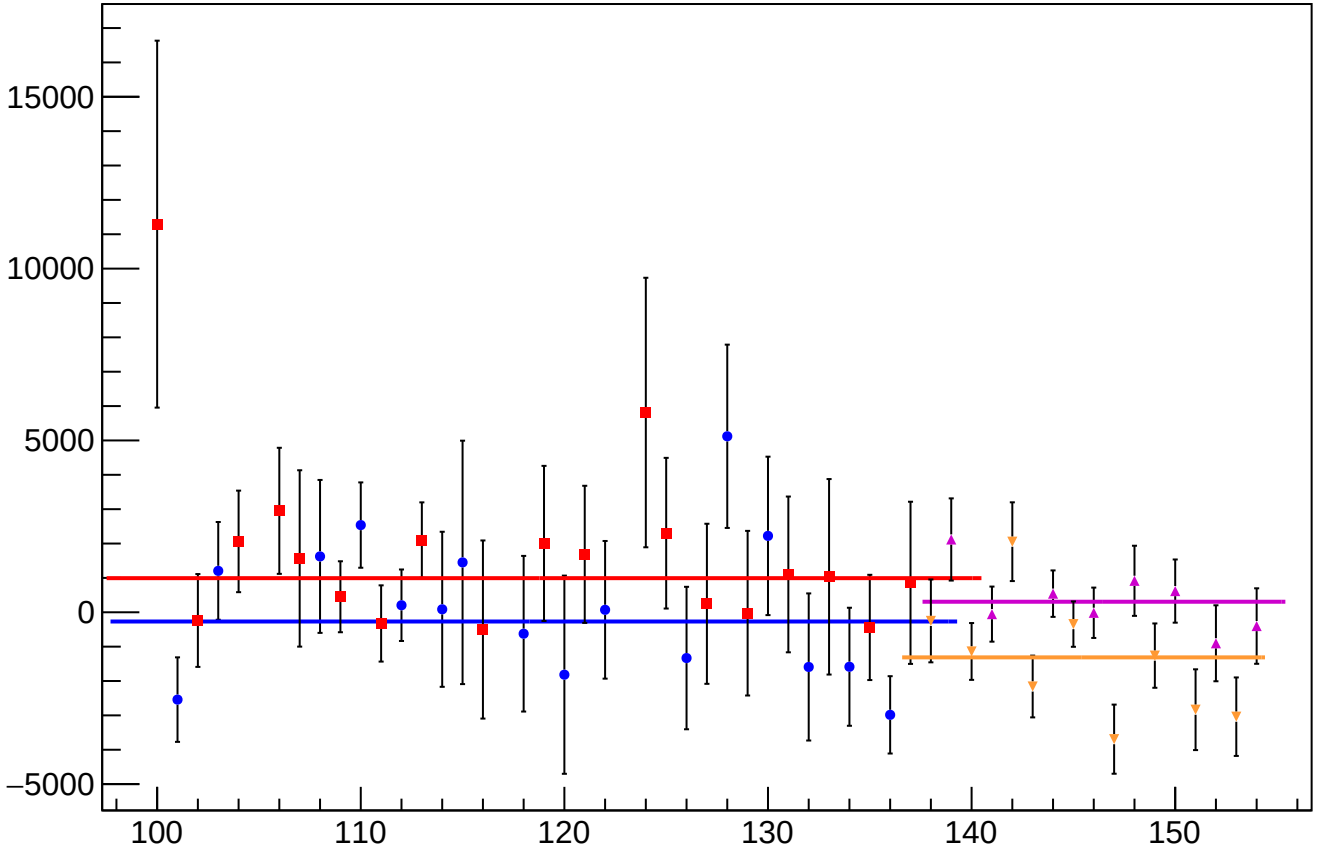
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.327+/-0.017 χ^2/NDF:748571.1/23

Out: 90.038+/-0.017 χ^2/NDF:959173.5/27

All: 90.182+/-0.012 χ^2/NDF: 1707886.1/51

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: 306.546+/-314.649 χ^2/NDF:4.9/7

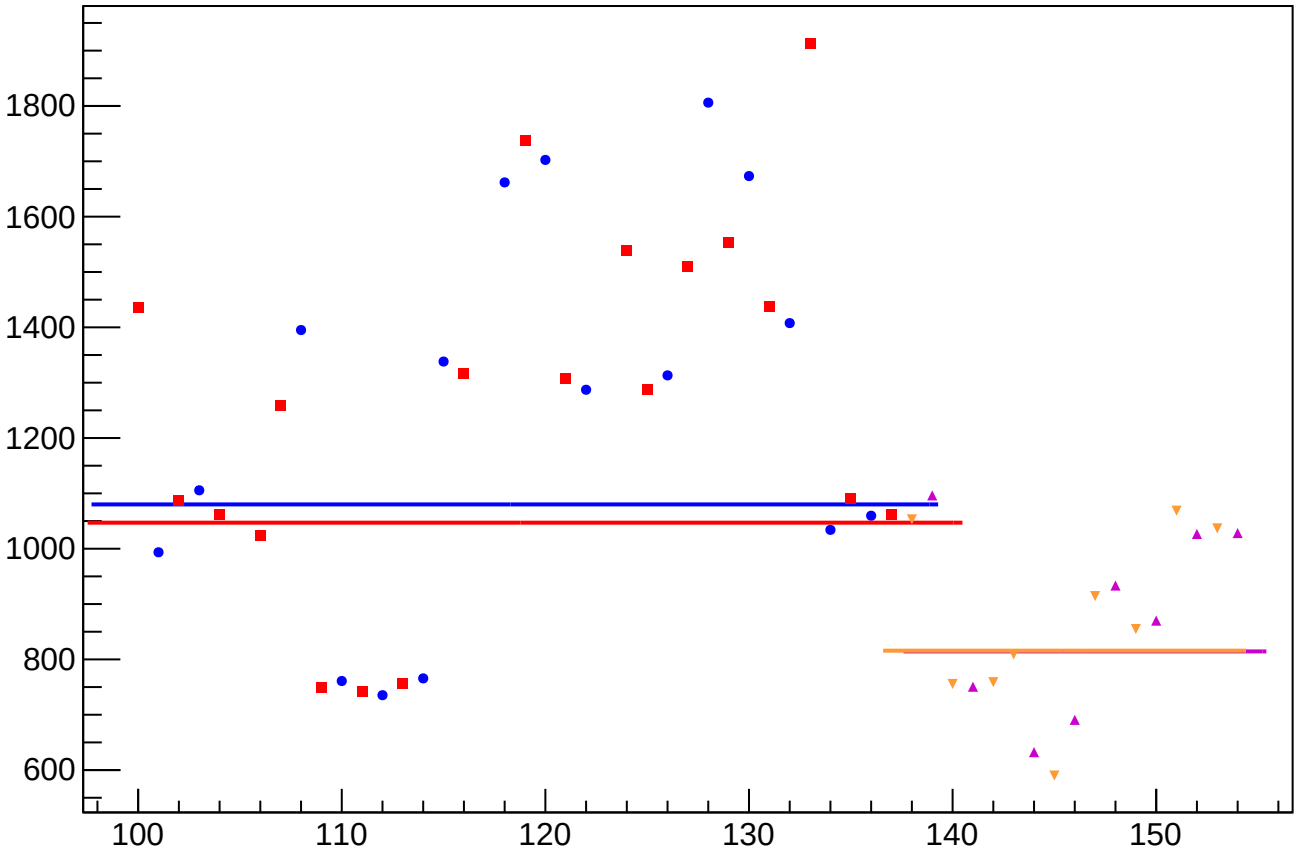
Left: -501.569+/-222.676 χ^2/NDF: 40.2/16

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 99.564+/-251.729 χ^2/NDF:29.5/23

Out: -431.704+/-247.755 χ^2/NDF:55.2/27

All: -170.297+/-176.577 χ^2/NDF: 87.0/51



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: 814.425+/-0.222 χ^2/NDF:510006.3/7

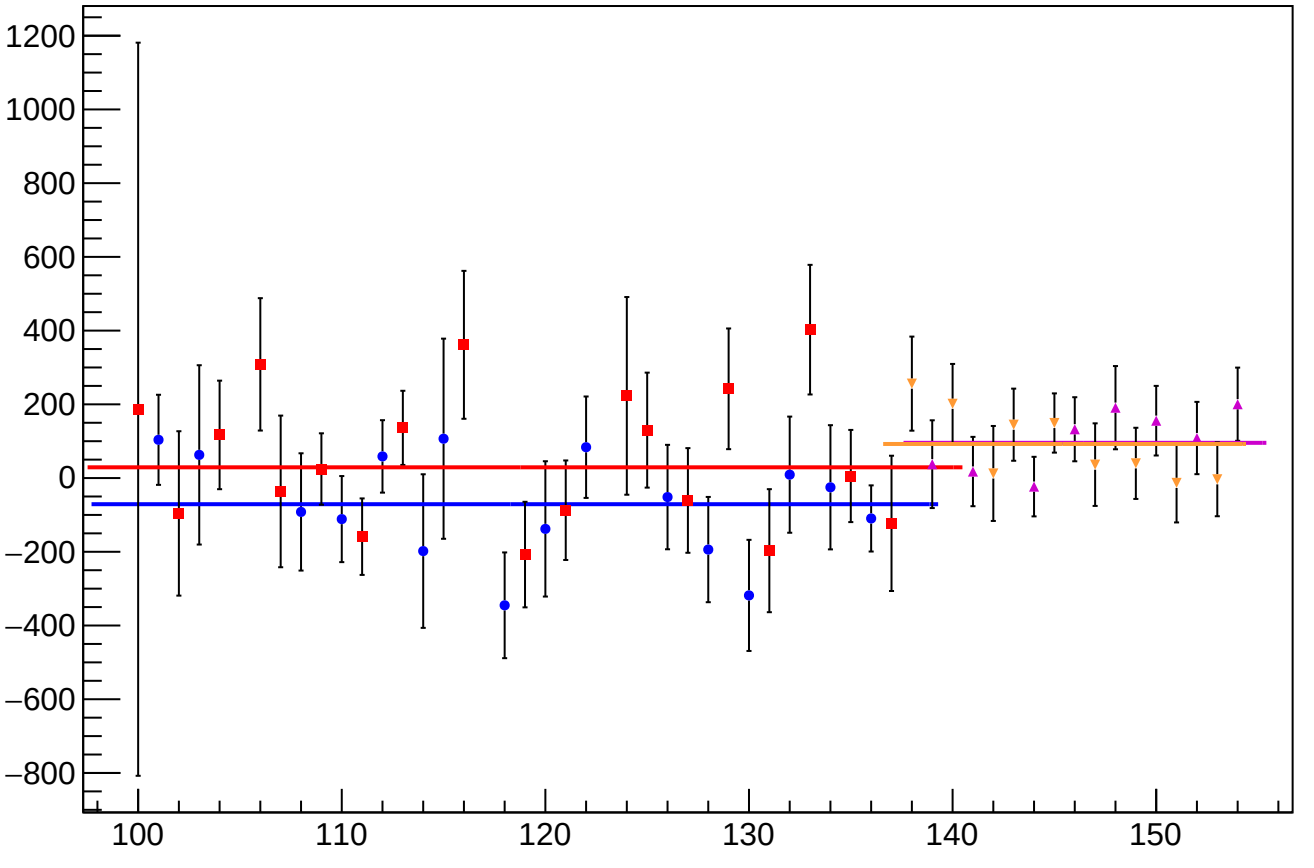
Left: 815.098+/-0.157 χ^2/NDF: 1027186.2/16

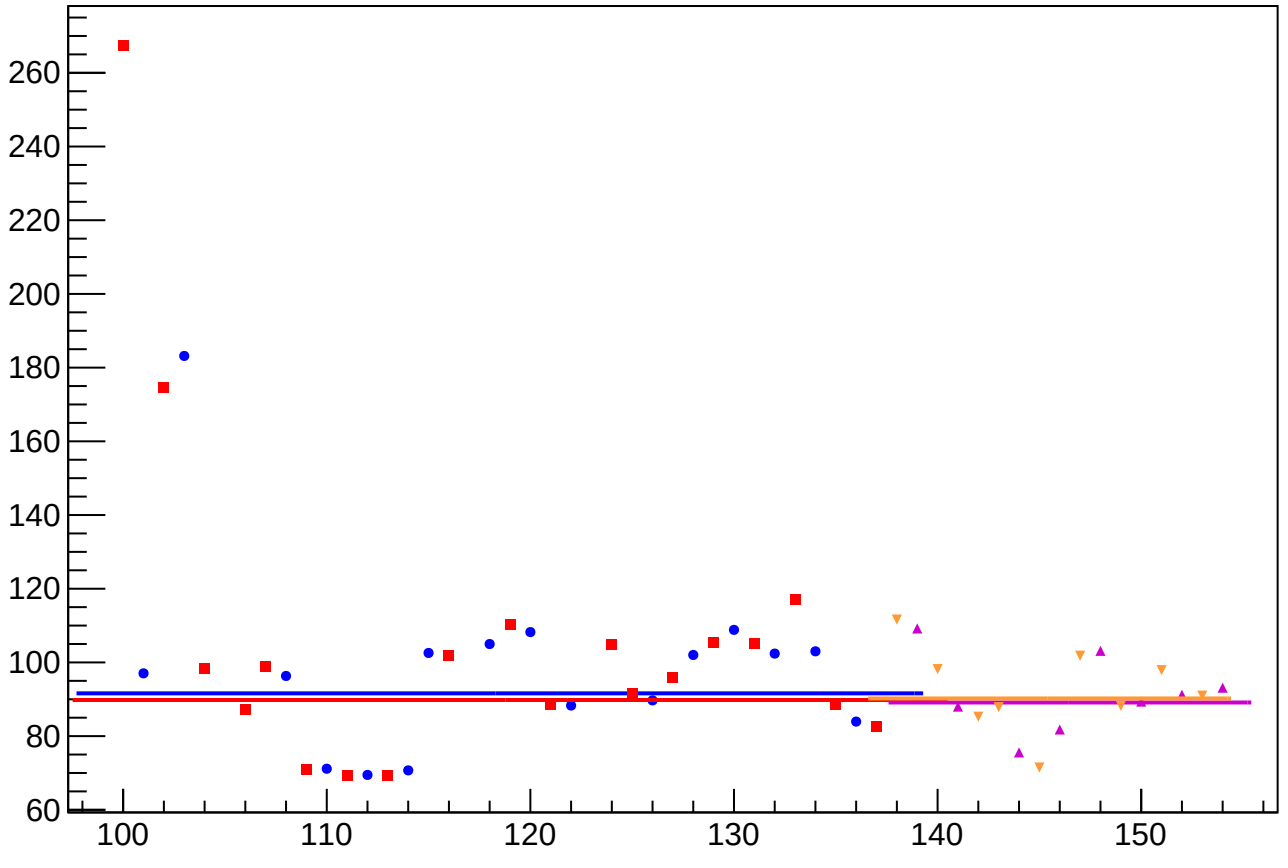
Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 910.035+/-0.178 χ^2/NDF:2076503.1/23

Out: 904.142+/-0.175 χ^2/NDF:2127332.8/27

All: 907.042+/-0.125 χ^2/NDF: 4204392.6/51


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: 95.582+/-33.994 χ²/NDF:5.5/7
Left: 94.049+/-24.215 χ²/NDF: 11.8/16
Right: -19.610+/-24.520 χ²/NDF: 42.2/34
In: 15.055+/-24.427 χ²/NDF:31.2/23
Out: 60.581+/-24.305 χ²/NDF:31.9/27
All: 37.931+/-17.229 χ²/NDF: 64.8/51



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: 89.128+/-0.024 χ^2/NDF:162748.6/7

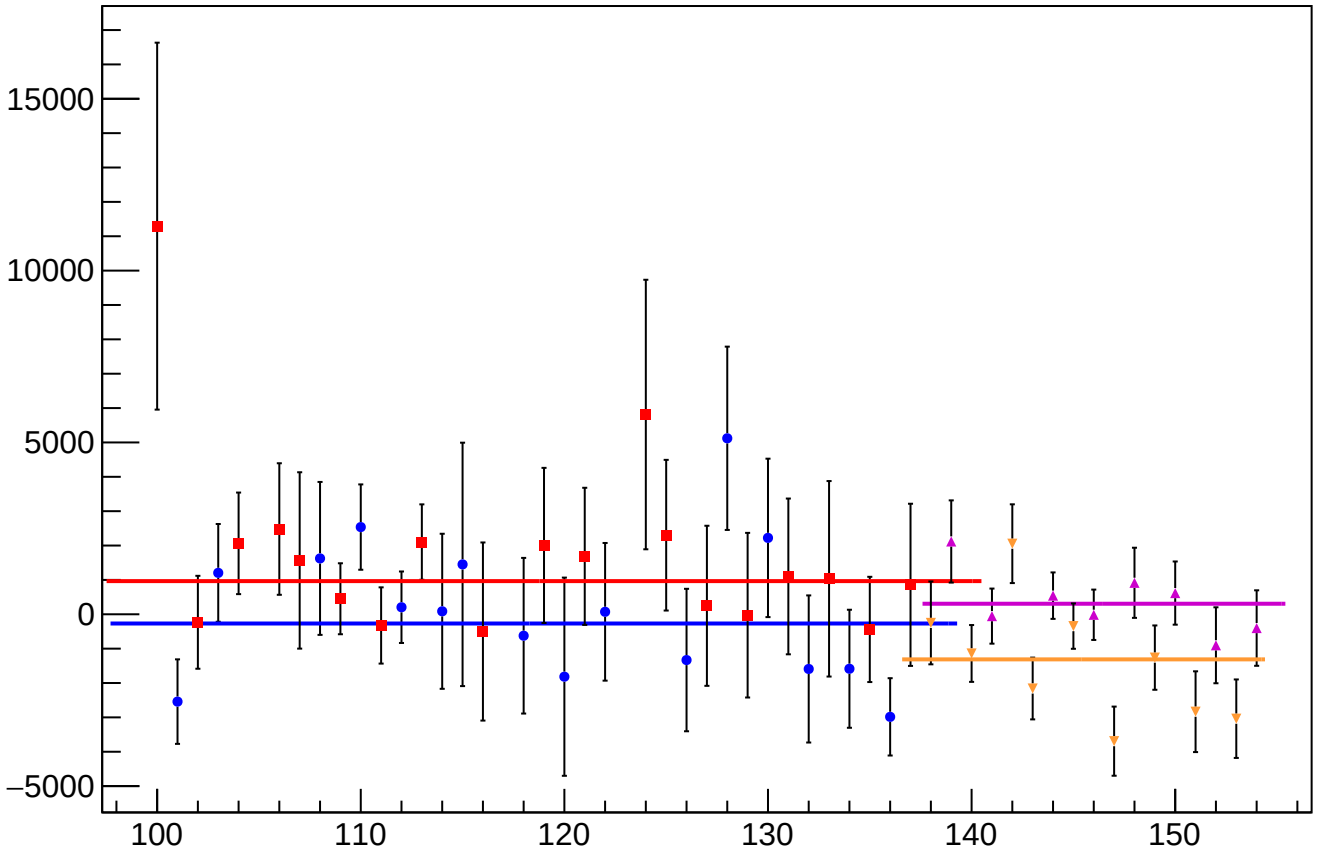
Left: 89.668+/-0.017 χ^2/NDF: 376541.5/16

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.327+/-0.017 χ^2/NDF:748574.2/23

Out: 90.014+/-0.017 χ^2/NDF:959749.4/27

All: 90.170+/-0.012 χ^2/NDF: 1708489.3/51



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: 306.552+/-314.649 χ^2/NDF:4.9/7

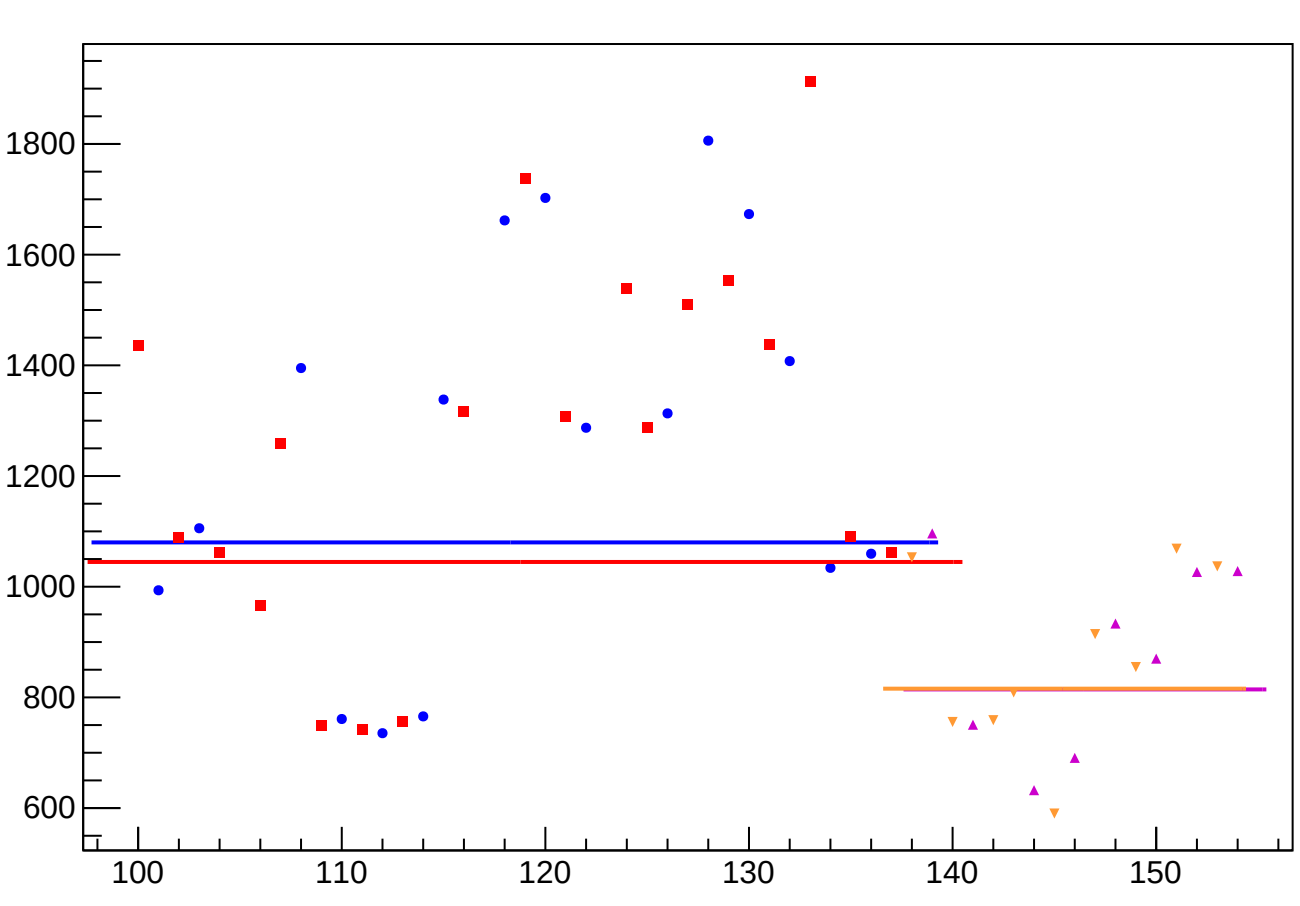
Left: -501.562+/-222.676 χ^2/NDF: 40.2/16

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 99.562+/-251.730 χ^2/NDF:29.5/23

Out: -444.442+/-247.945 χ^2/NDF:54.1/27

All: -176.560+/-176.647 χ^2/NDF: 86.0/51



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: 814.425+/-0.222 χ^2/NDF:510005.7/7

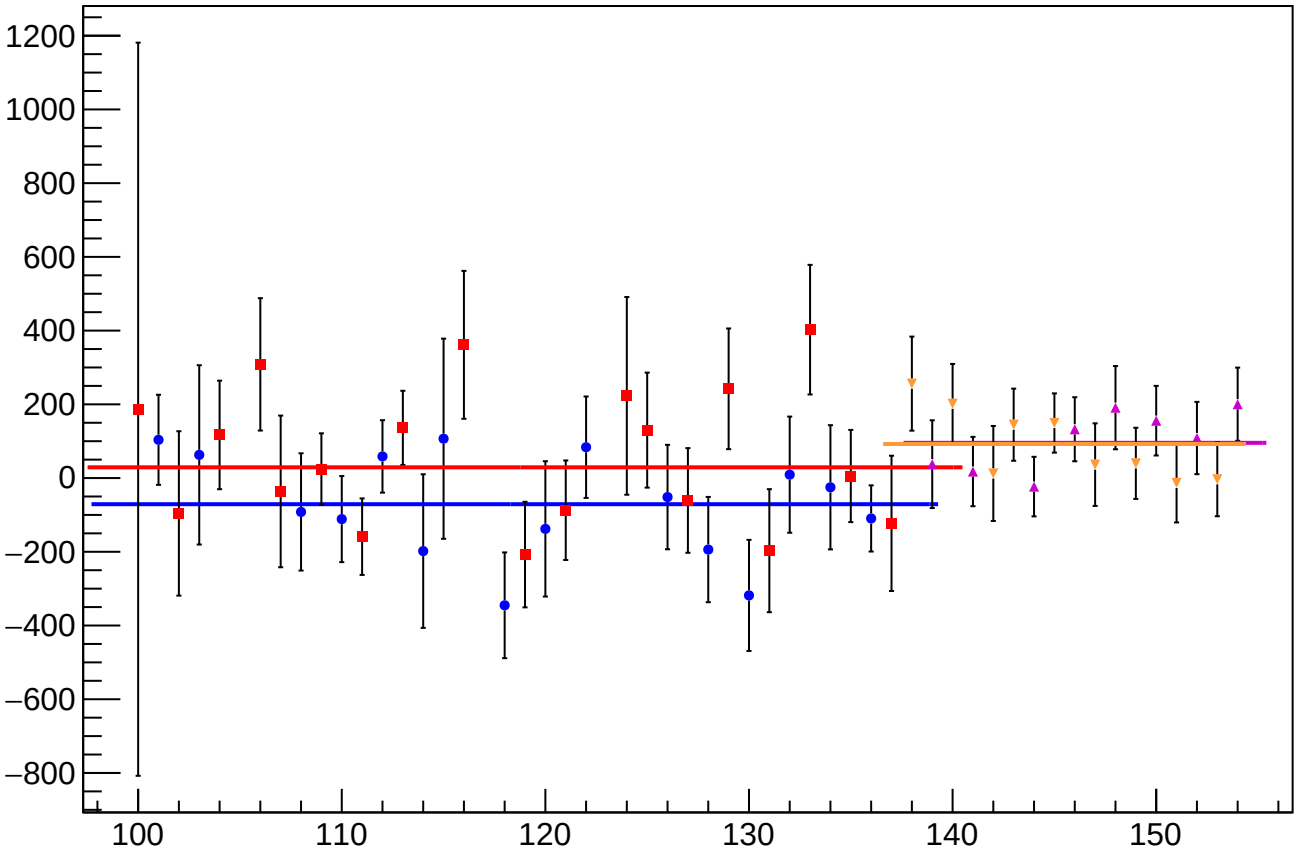
Left: 815.098+/-0.157 χ^2/NDF: 1027188.4/16

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 910.037+/-0.178 χ^2/NDF:2076535.6/23

Out: 903.026+/-0.175 χ^2/NDF:2121188.9/27

All: 906.479+/-0.125 χ^2/NDF: 4198512.0/51


eigen_cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1200
1000
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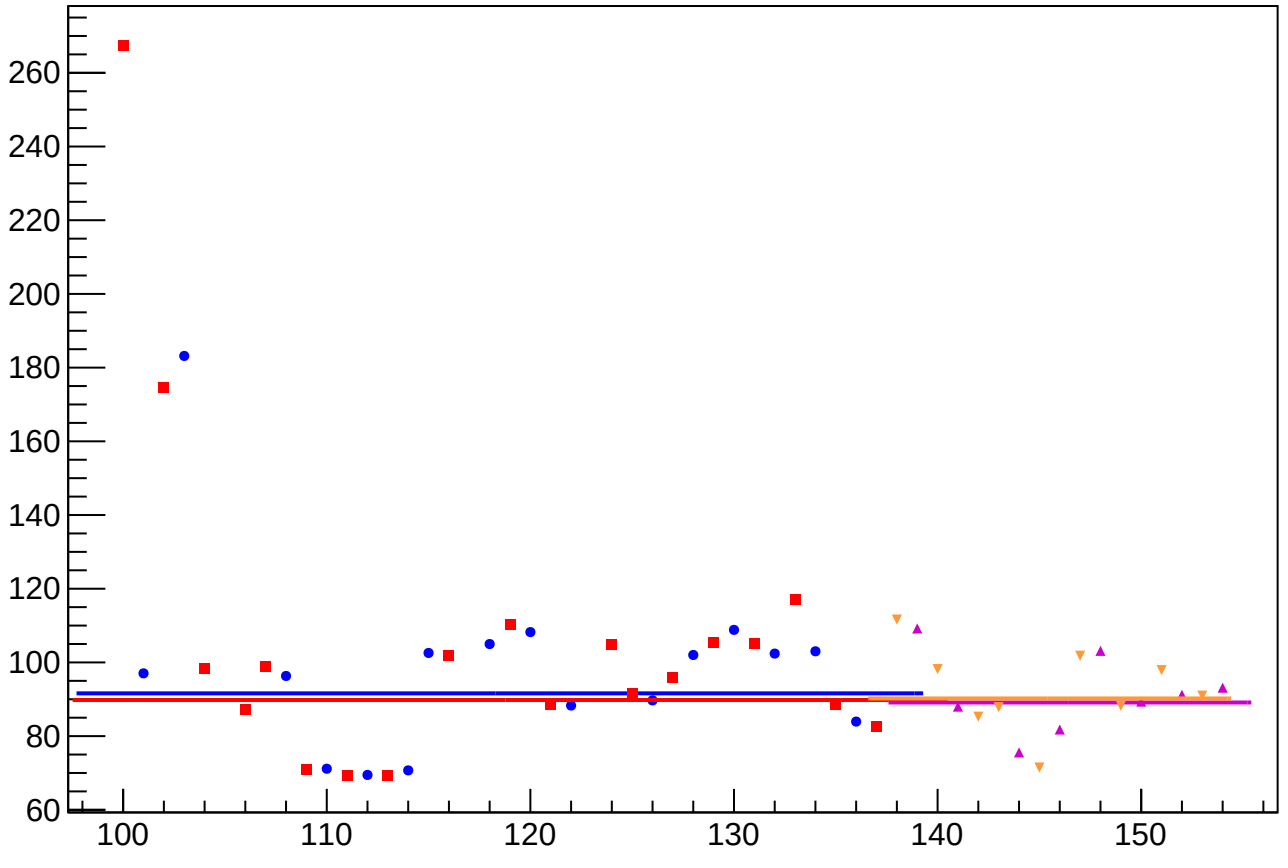
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: -70.903+/-35.122 χ²/NDF: 14.1/15
Left Out: 92.470+/-34.500 χ²/NDF:6.3/8
Right Out: 29.159+/-34.247 χ²/NDF: 24.0/18
Left In: 95.582+/-33.994 χ²/NDF:5.5/7
Left: 94.049+/-24.215 χ²/NDF: 11.8/16
Right: -19.610+/-24.520 χ²/NDF: 42.2/34
In: 15.055+/-24.427 χ²/NDF:31.2/23
Out: 60.581+/-24.305 χ²/NDF:31.9/27
All: 37.931+/-17.229 χ²/NDF: 64.8/51



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: 89.128+/-0.024 χ^2/NDF:162748.6/7

Left: 89.668+/-0.017 χ^2/NDF: 376541.5/16

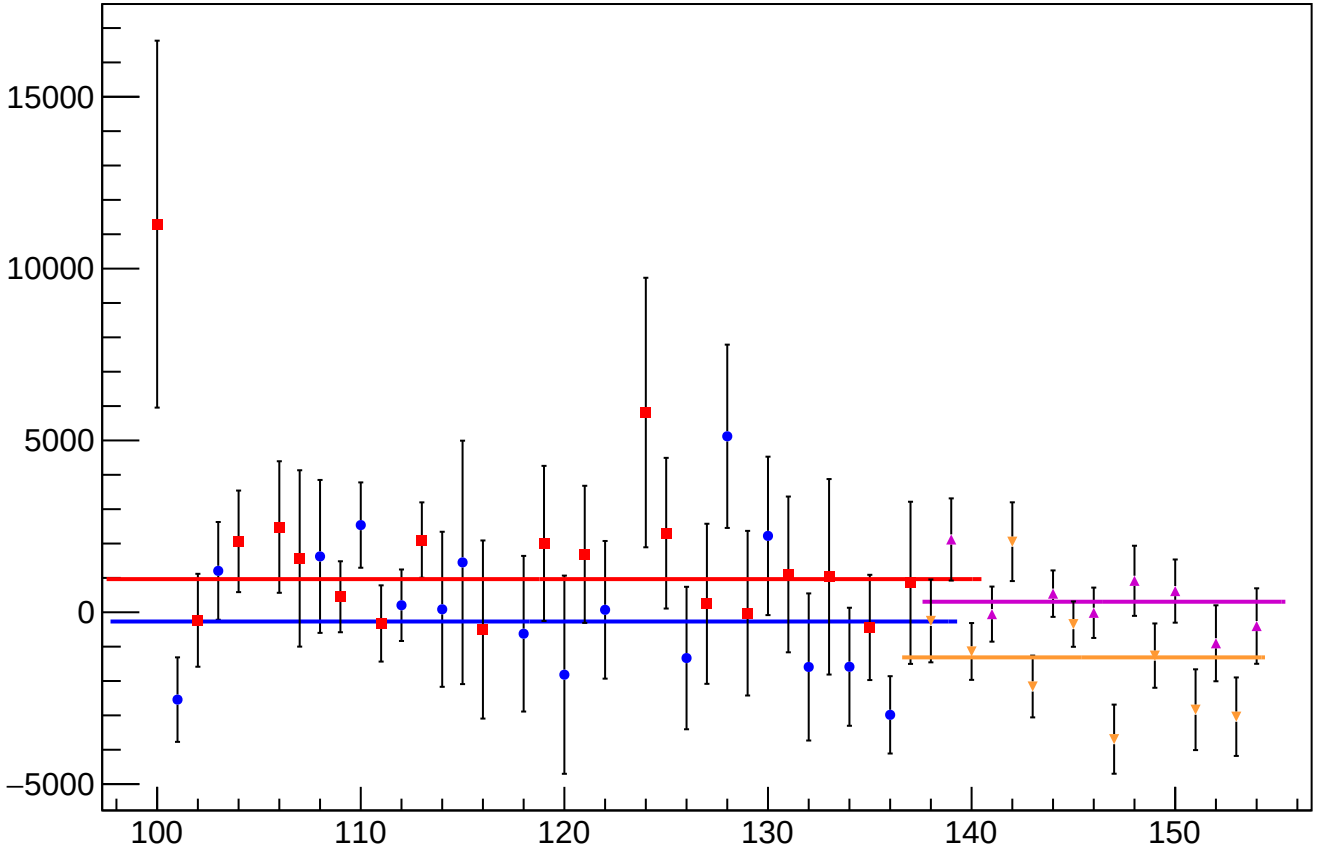
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.327+/-0.017 χ^2/NDF:748574.2/23

Out: 90.014+/-0.017 χ^2/NDF:959749.4/27

All: 90.170+/-0.012 χ^2/NDF: 1708489.3/51

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: 306.552+/-314.649 χ^2/NDF:4.9/7

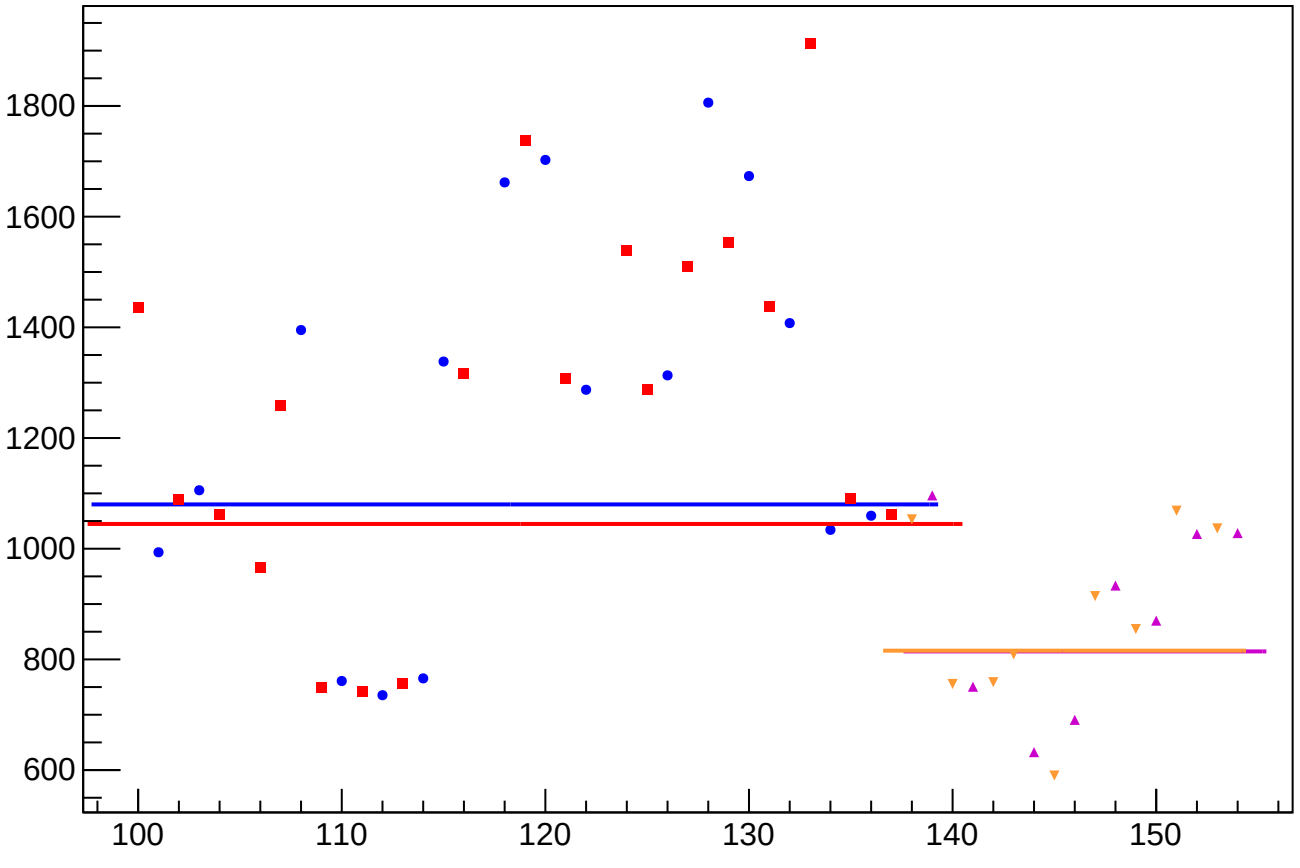
Left: -501.562+/-222.676 χ^2/NDF: 40.2/16

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 99.562+/-251.730 χ^2/NDF:29.5/23

Out: -444.442+/-247.945 χ^2/NDF:54.1/27

All: -176.560+/-176.647 χ^2/NDF: 86.0/51



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: 814.425+/-0.222 χ^2/NDF:510005.7/7

Left: 815.098+/-0.157 χ^2/NDF: 1027188.4/16

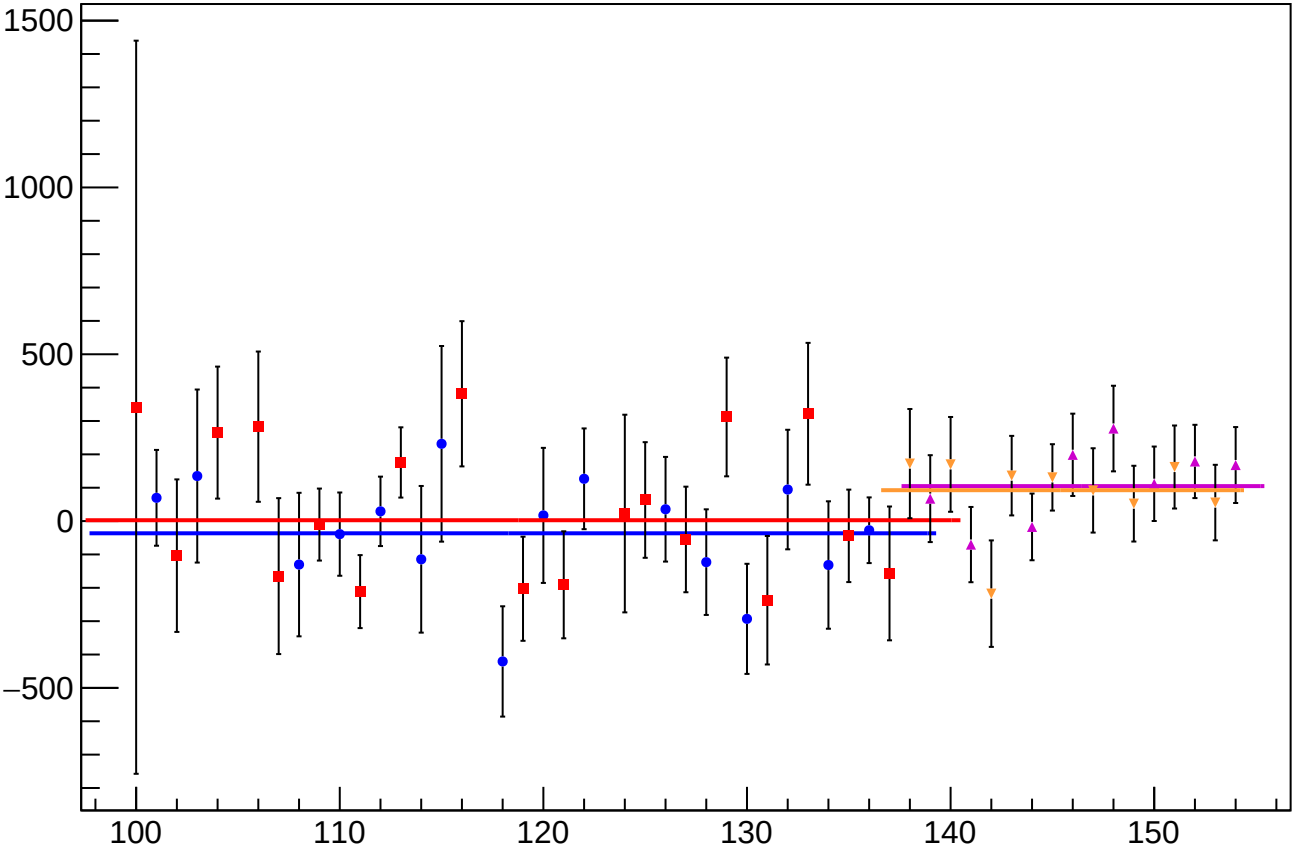
Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 910.037+/-0.178 χ^2/NDF:2076535.6/23

Out: 903.026+/-0.175 χ^2/NDF:2121188.9/27

All: 906.479+/-0.125 χ^2/NDF: 4198512.0/51

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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: 104.811+/-40.670 χ^2/NDF:7.1/7

Left: 98.825+/-29.051 χ^2/NDF: 12.3/16

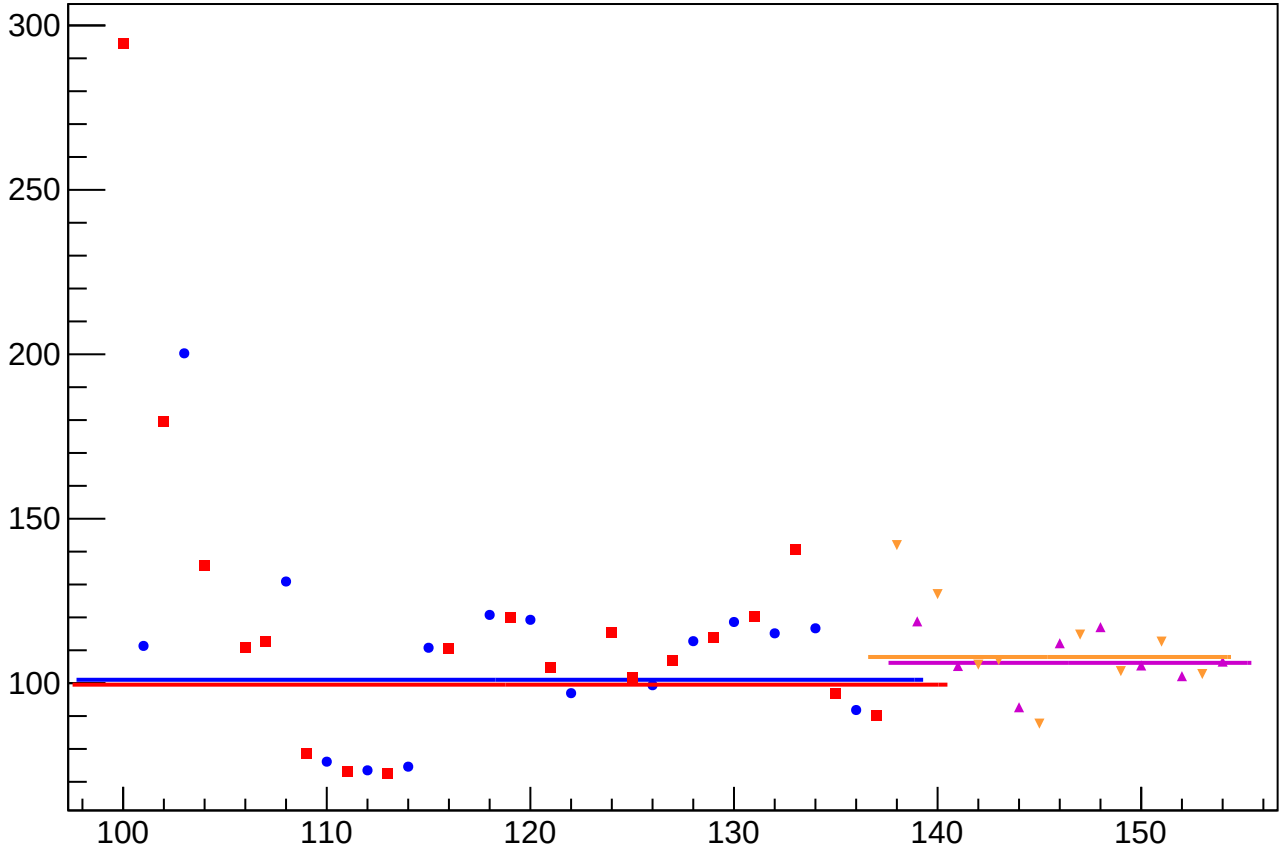
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 31.130+/-28.146 χ^2/NDF:26.3/23

Out: 43.805+/-28.095 χ^2/NDF:32.4/27

All: 37.479+/-19.884 χ^2/NDF: 58.9/51

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.961+/-0.029 χ^2/NDF:221836.9/8

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.178+/-0.029 χ^2/NDF:77241.3/7

Left: 107.051+/-0.021 χ^2/NDF: 300960.4/16

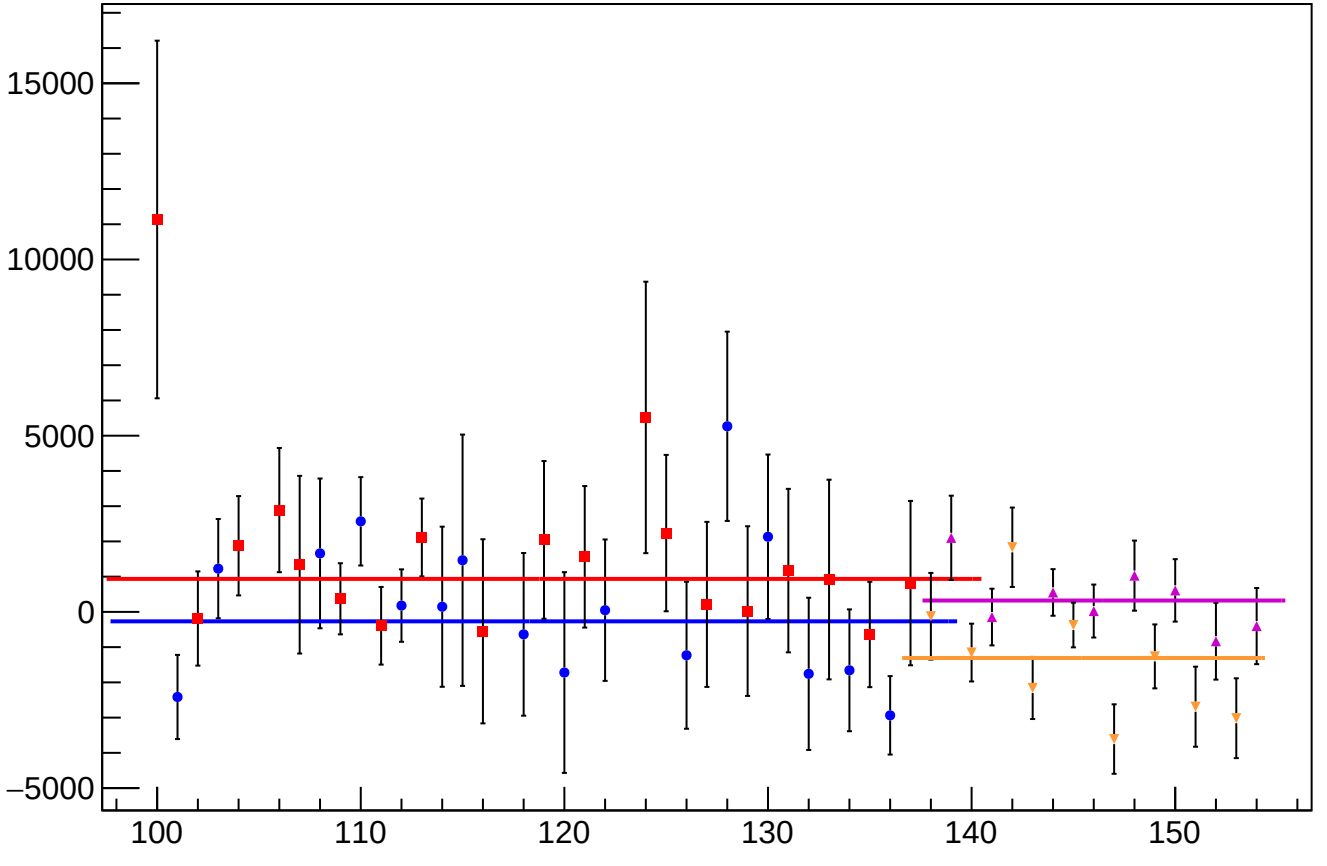
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.496+/-0.020 χ^2/NDF:810028.6/23

Out: 103.401+/-0.020 χ^2/NDF:1146863.7/27

All: 103.449+/-0.014 χ^2/NDF: 1956903.7/51

asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1307.380+/-308.437 χ^2/NDF:21.1/8

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 322.881+/-311.806 χ^2/NDF:5.0/7

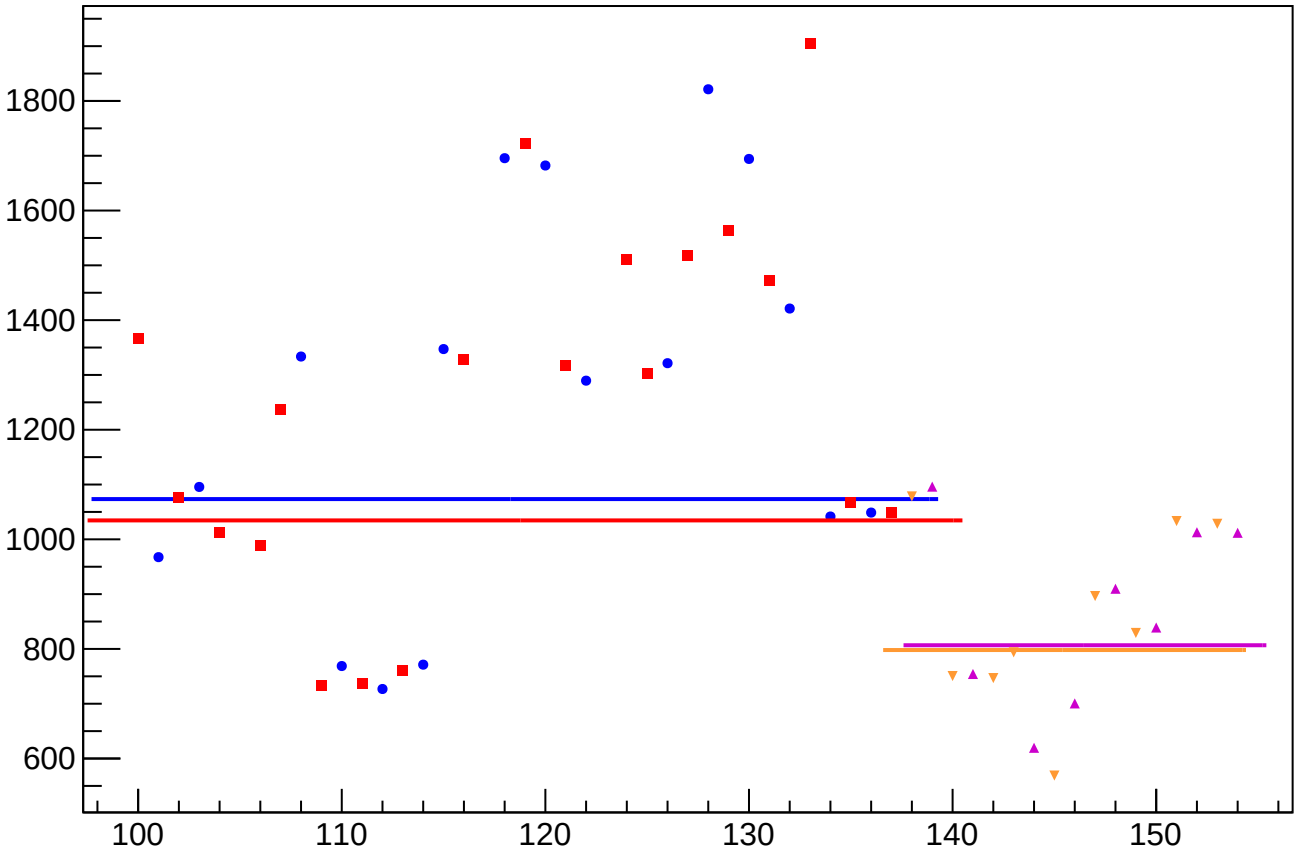
Left: -501.104+/-219.279 χ^2/NDF: 39.9/16

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 111.067+/-249.729 χ^2/NDF:29.8/23

Out: -460.650+/-243.390 χ^2/NDF:54.2/27

All: -182.140+/-174.301 χ^2/NDF: 86.6/51



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: 806.723+/-0.220 χ^2/NDF:493526.3/7

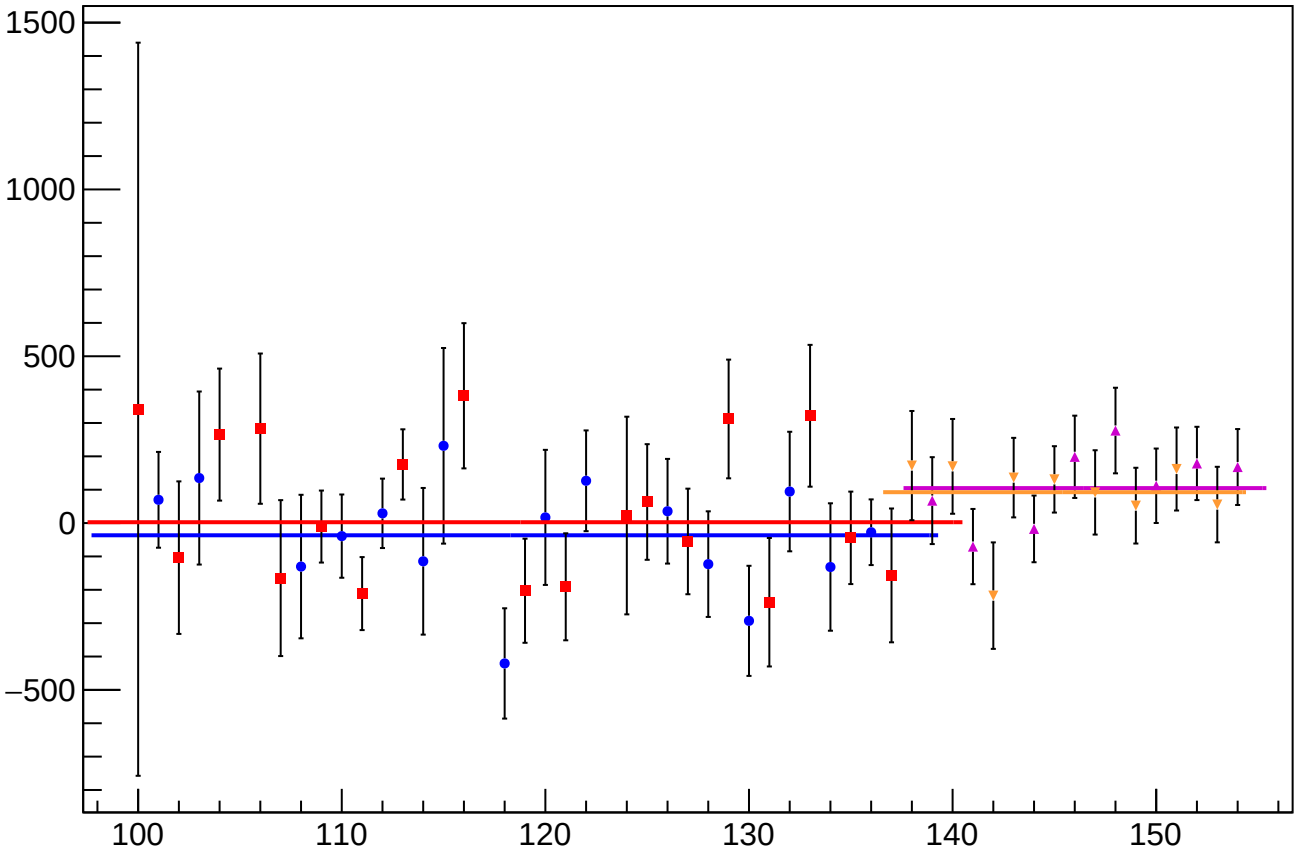
Left: 802.307+/-0.155 χ^2/NDF: 1061252.2/16

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 902.358+/-0.177 χ^2/NDF:2095329.1/23

Out: 887.238+/-0.172 χ^2/NDF:2240134.0/27

All: 894.603+/-0.123 χ^2/NDF: 4339223.0/51



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: 104.812+/-40.670 χ^2/NDF:7.1/7

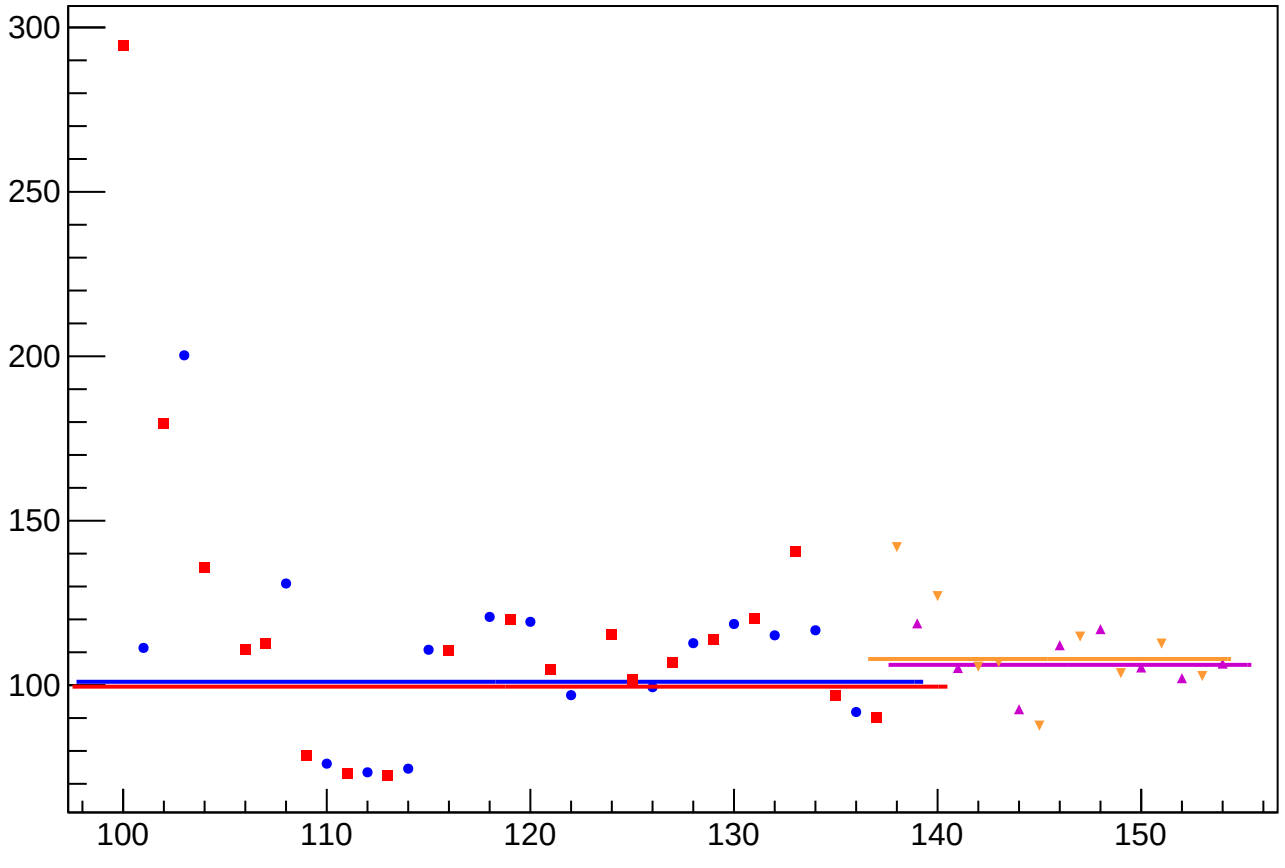
Left: 98.826+/-29.051 χ^2/NDF: 12.3/16

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 31.131+/-28.146 χ^2/NDF:26.3/23

Out: 43.804+/-28.095 χ^2/NDF:32.4/27

All: 37.479+/-19.884 χ^2/NDF: 58.9/51



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.961+/-0.029 χ^2/NDF:221829.8/8

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.179+/-0.029 χ^2/NDF:77238.4/7

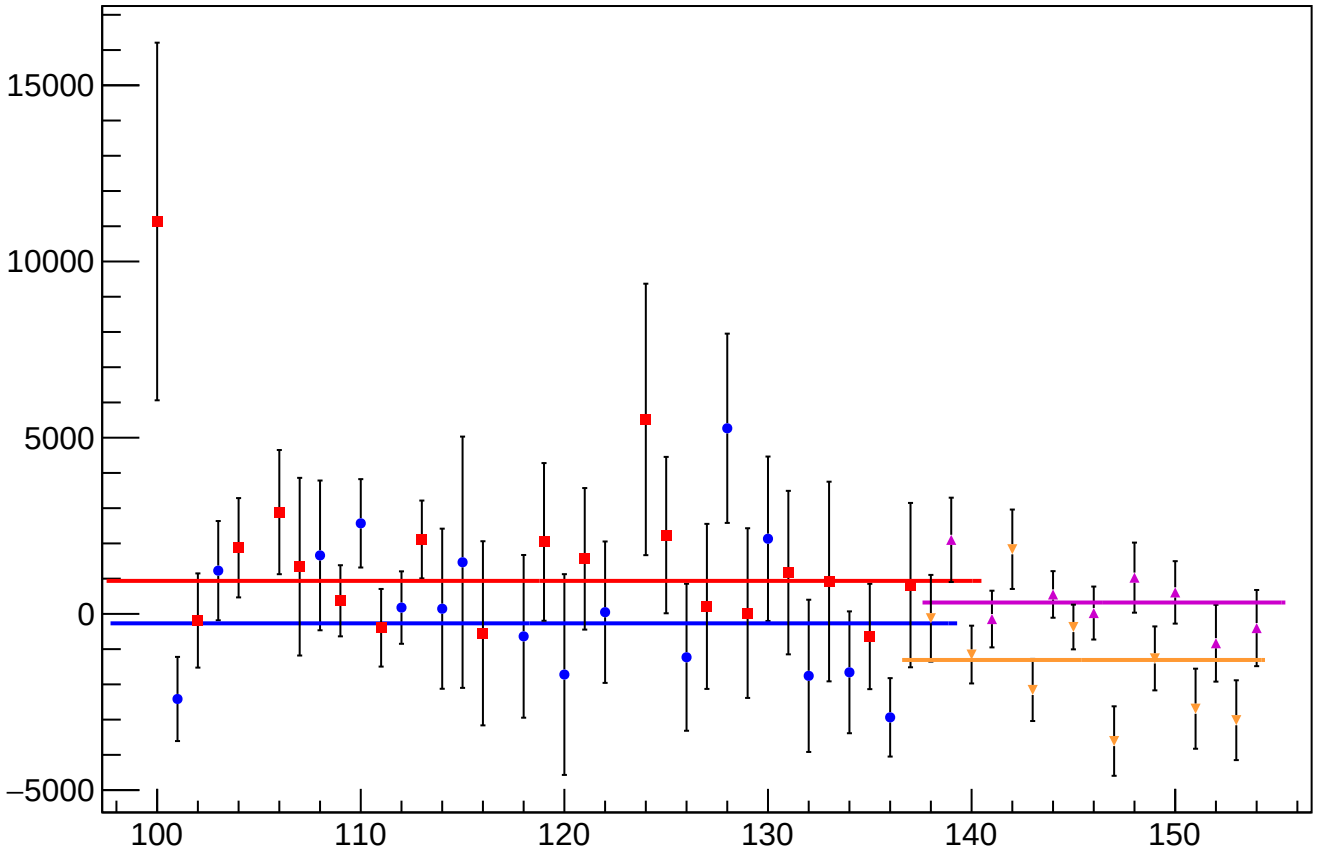
Left: 107.052+/-0.021 χ^2/NDF: 300950.4/16

Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.497+/-0.020 χ^2/NDF:810026.4/23

Out: 103.402+/-0.020 χ^2/NDF:1146862.3/27

All: 103.449+/-0.014 χ^2/NDF: 1956900.1/51



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: 322.880+/-311.806 χ^2/NDF:5.0/7

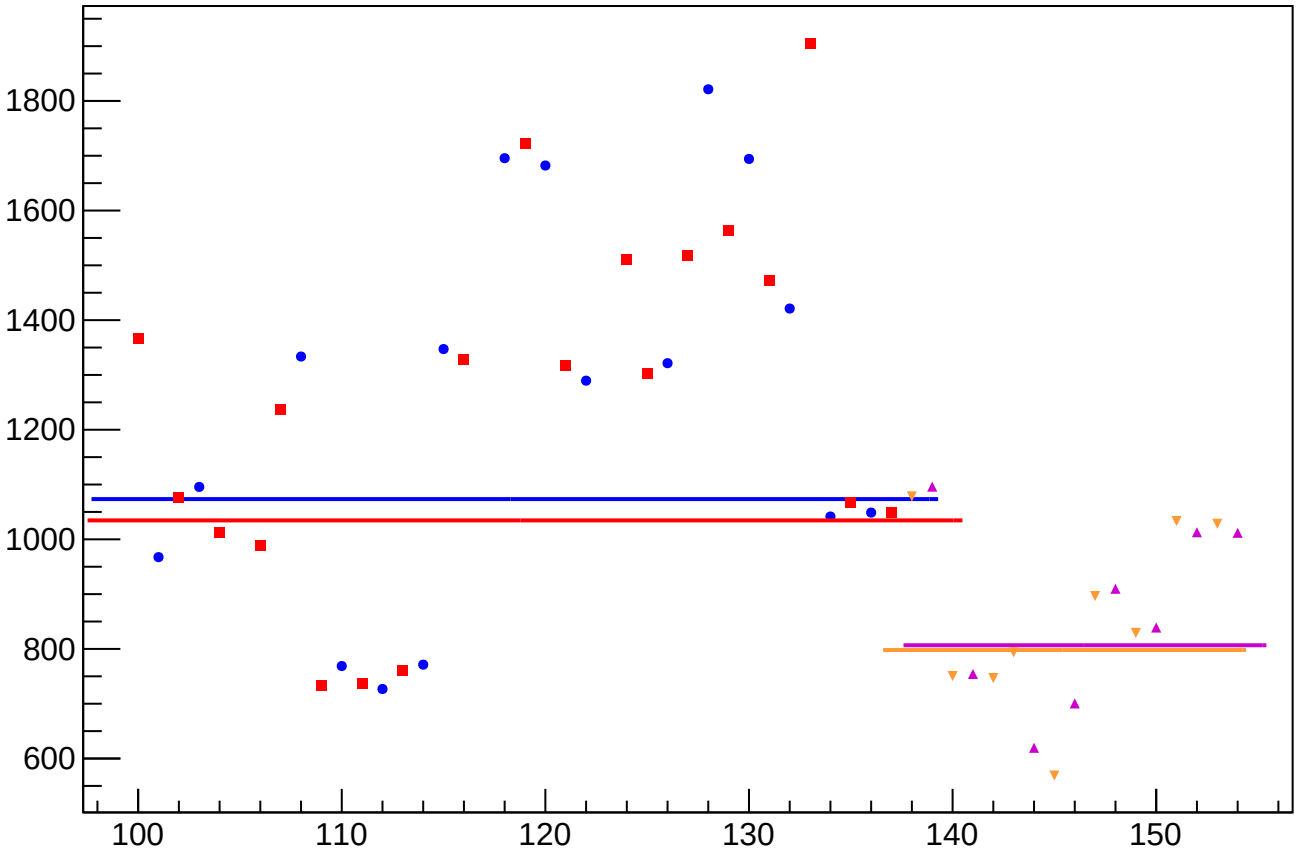
Left: -501.104+/-219.279 χ^2/NDF: 39.9/16

Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 111.067+/-249.729 χ^2/NDF:29.8/23

Out: -460.650+/-243.389 χ^2/NDF:54.2/27

All: -182.140+/-174.300 χ^2/NDF: 86.6/51



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: 806.723+/-0.220 χ^2/NDF:493525.7/7

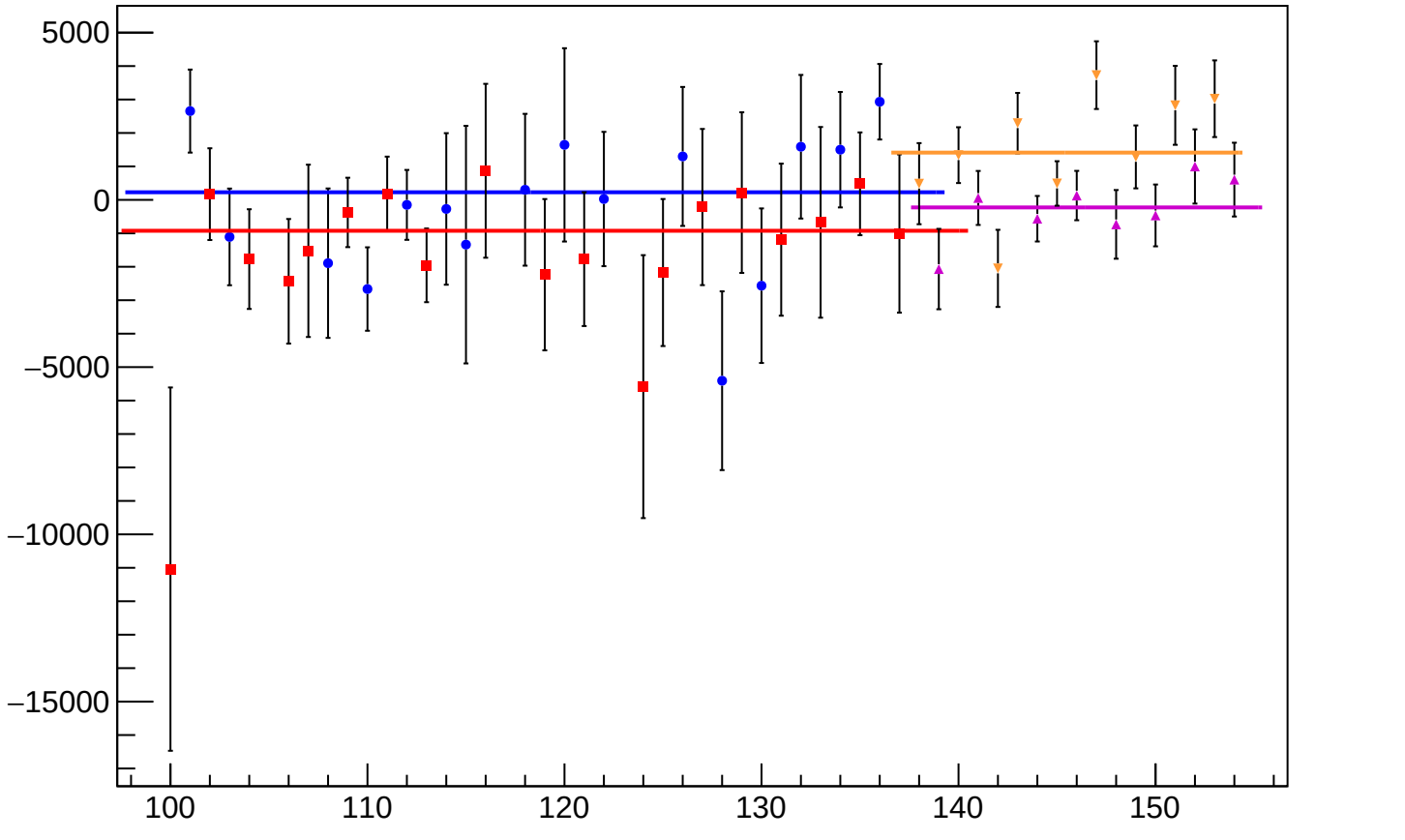
Left: 802.306+/-0.155 χ^2/NDF: 1061255.1/16

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 902.357+/-0.177 χ^2/NDF:2095331.2/23

Out: 887.236+/-0.172 χ^2/NDF:2240139.4/27

All: 894.602+/-0.123 χ^2/NDF: 4339230.7/51



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: -225.921+/-316.610 χ^2/NDF:5.0/7

Left: 592.062+/-224.087 χ^2/NDF: 39.6/16

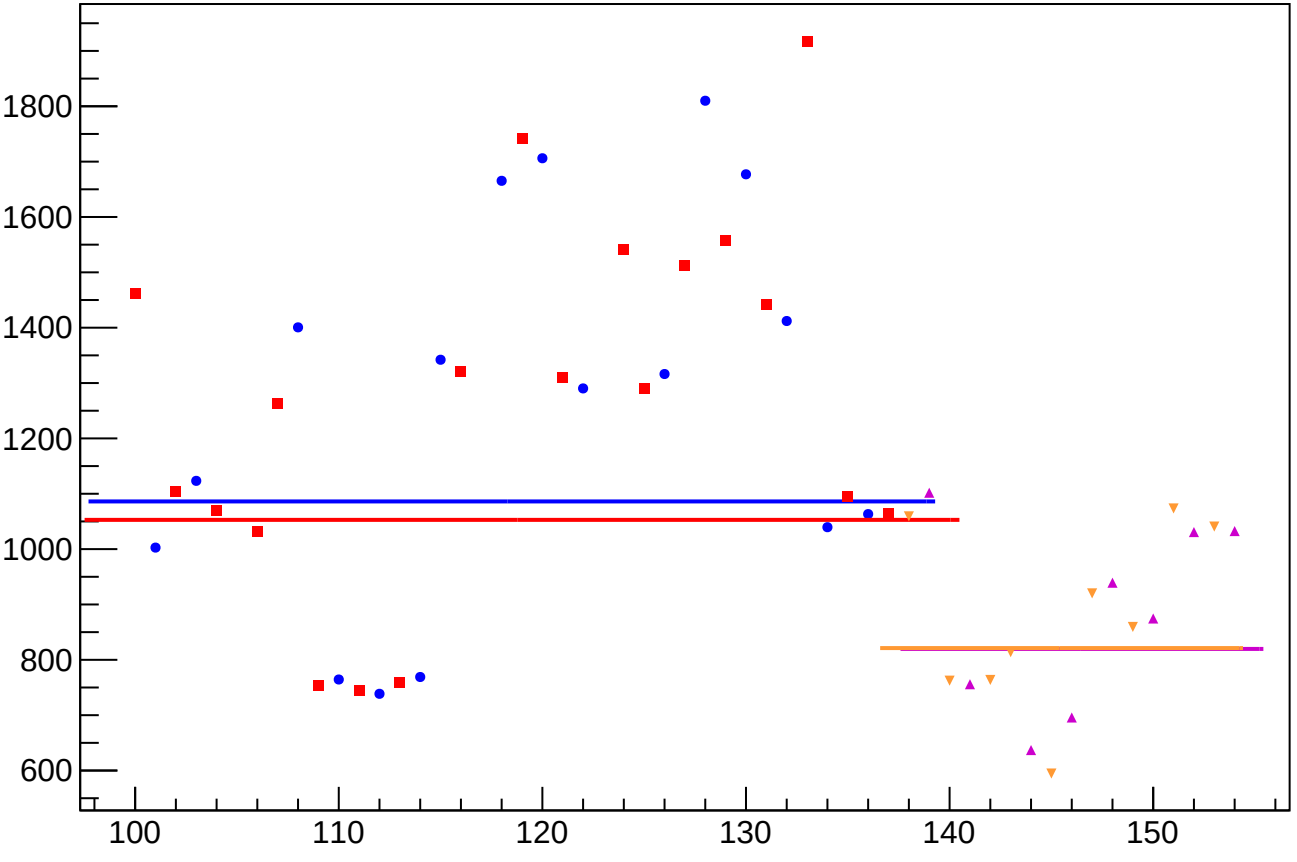
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -62.536+/-253.221 χ^2/NDF:30.2/23

Out: 519.491+/-249.279 χ^2/NDF:53.1/27

All: 233.043+/-177.644 χ^2/NDF: 86.0/51

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: 819.695+/-0.224 χ^2/NDF:504285.3/7

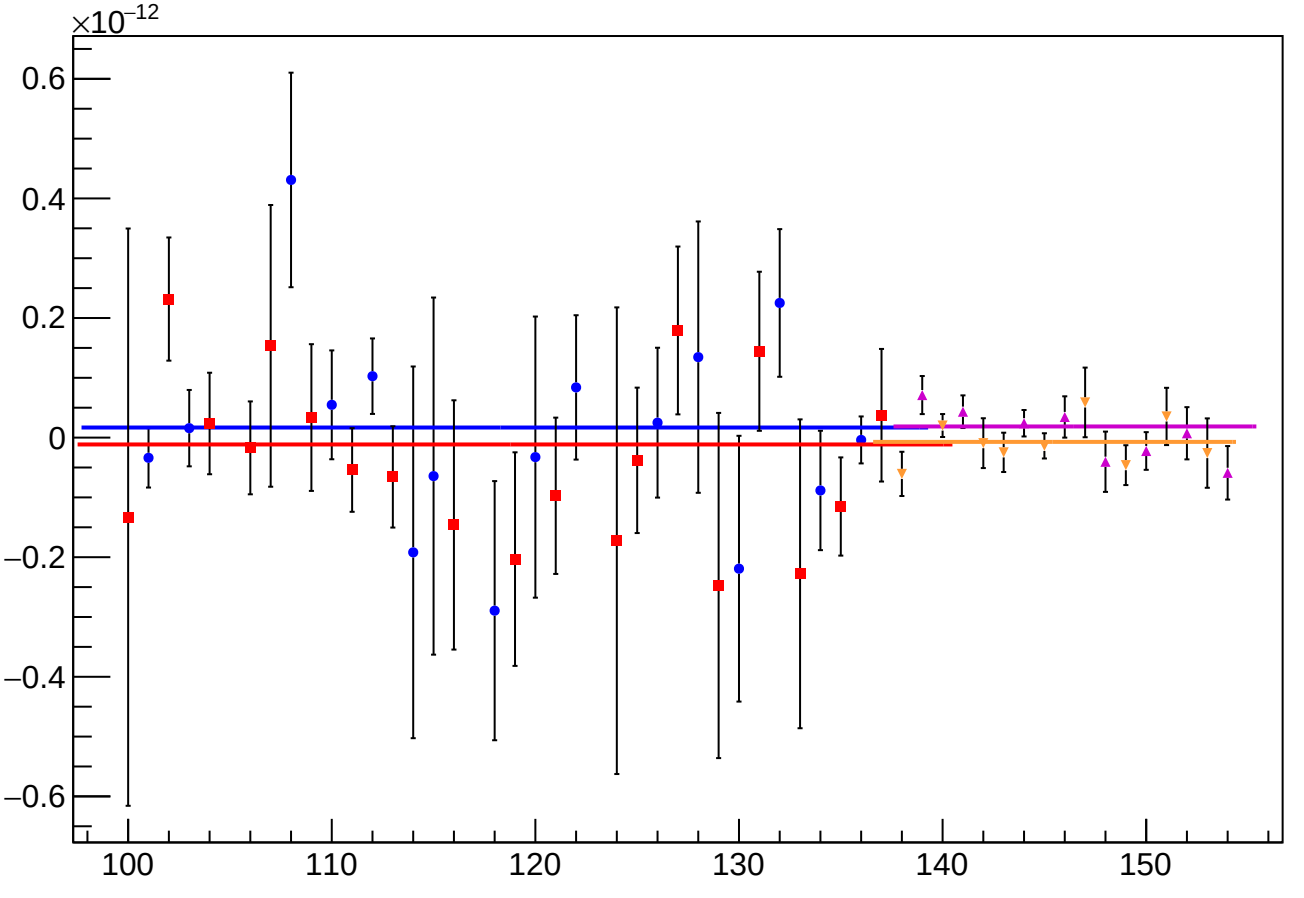
Left: 820.452+/-0.158 χ^2/NDF: 1015847.9/16

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 915.704+/-0.179 χ^2/NDF:2062149.8/23

Out: 909.788+/-0.176 χ^2/NDF:2113753.8/27

All: 912.699+/-0.126 χ^2/NDF: 4176458.0/51



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:9.9/7

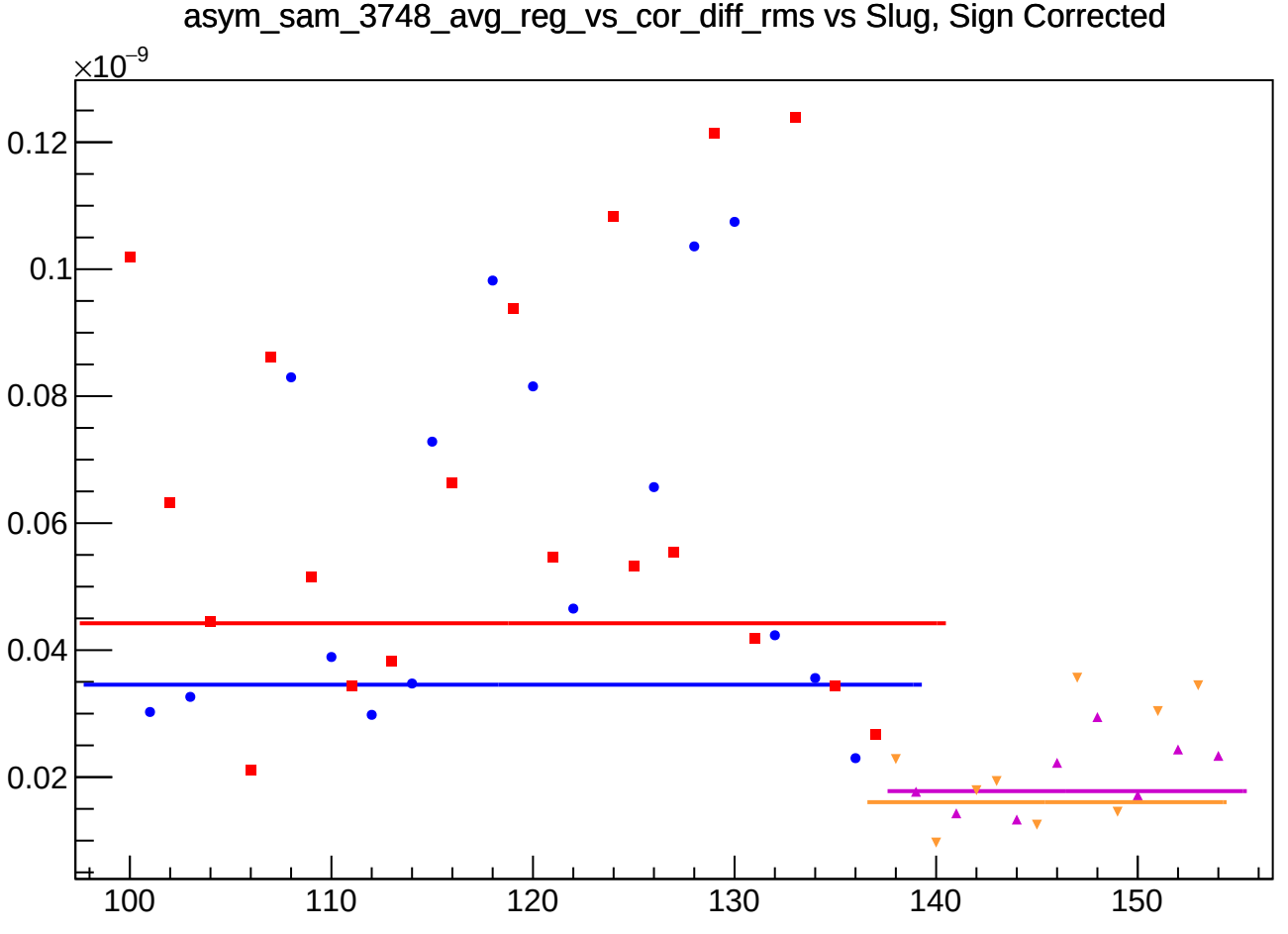
Left: 0.000+/-0.000 χ^2/NDF: 20.8/16

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:26.9/23

Out: -0.000+/-0.000 χ^2/NDF:23.9/27

All: 0.000+/-0.000 χ^2/NDF: 54.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:979341.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:331718.7/7

Left: 0.000+/-0.000 χ^2/NDF: 1336146.6/16

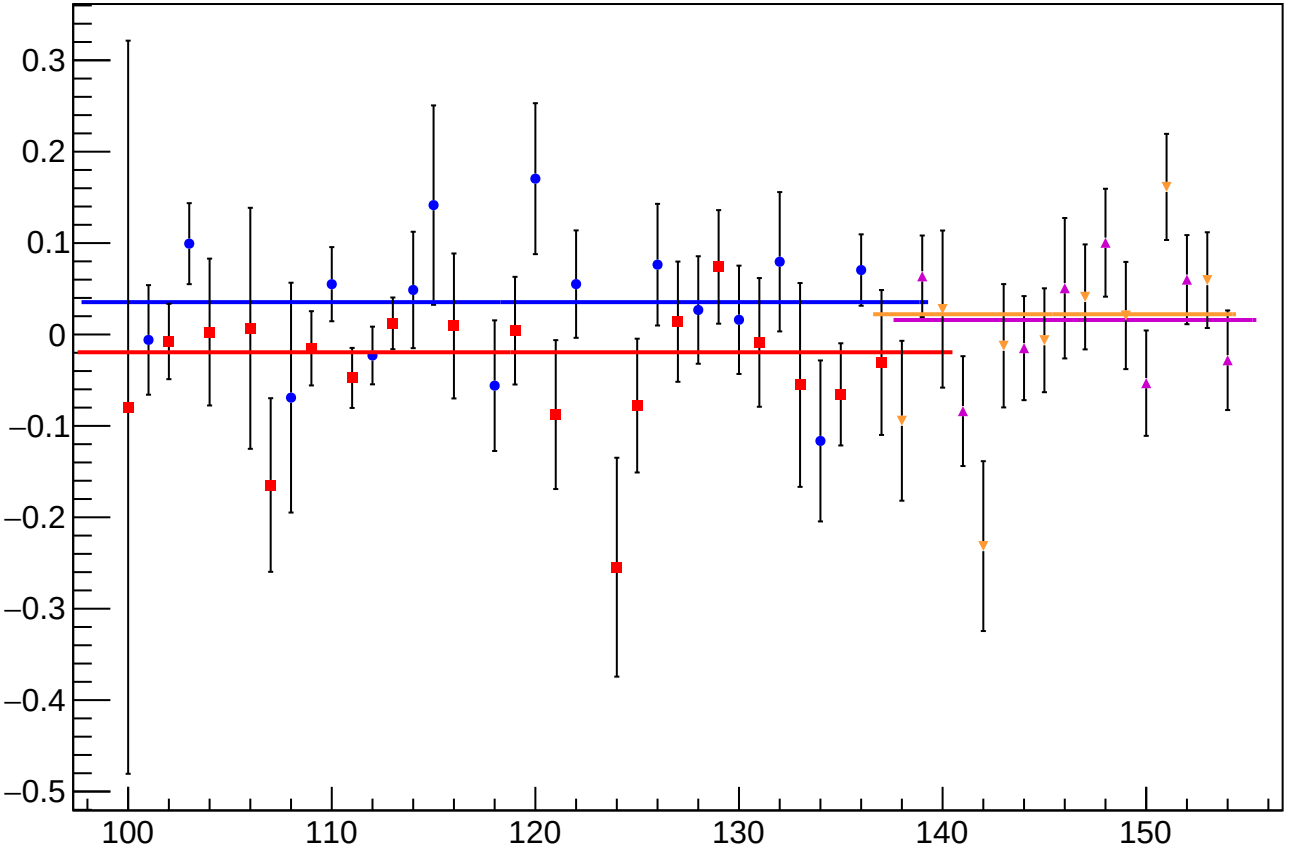
Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2445963.9/23

Out: 0.000+/-0.000 χ^2/NDF:3958521.8/27

All: 0.000+/-0.000 χ^2/NDF: 6431811.9/51

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.022+/-0.021 χ^2/NDF:16.1/8

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.016+/-0.020 χ^2/NDF:9.4/7

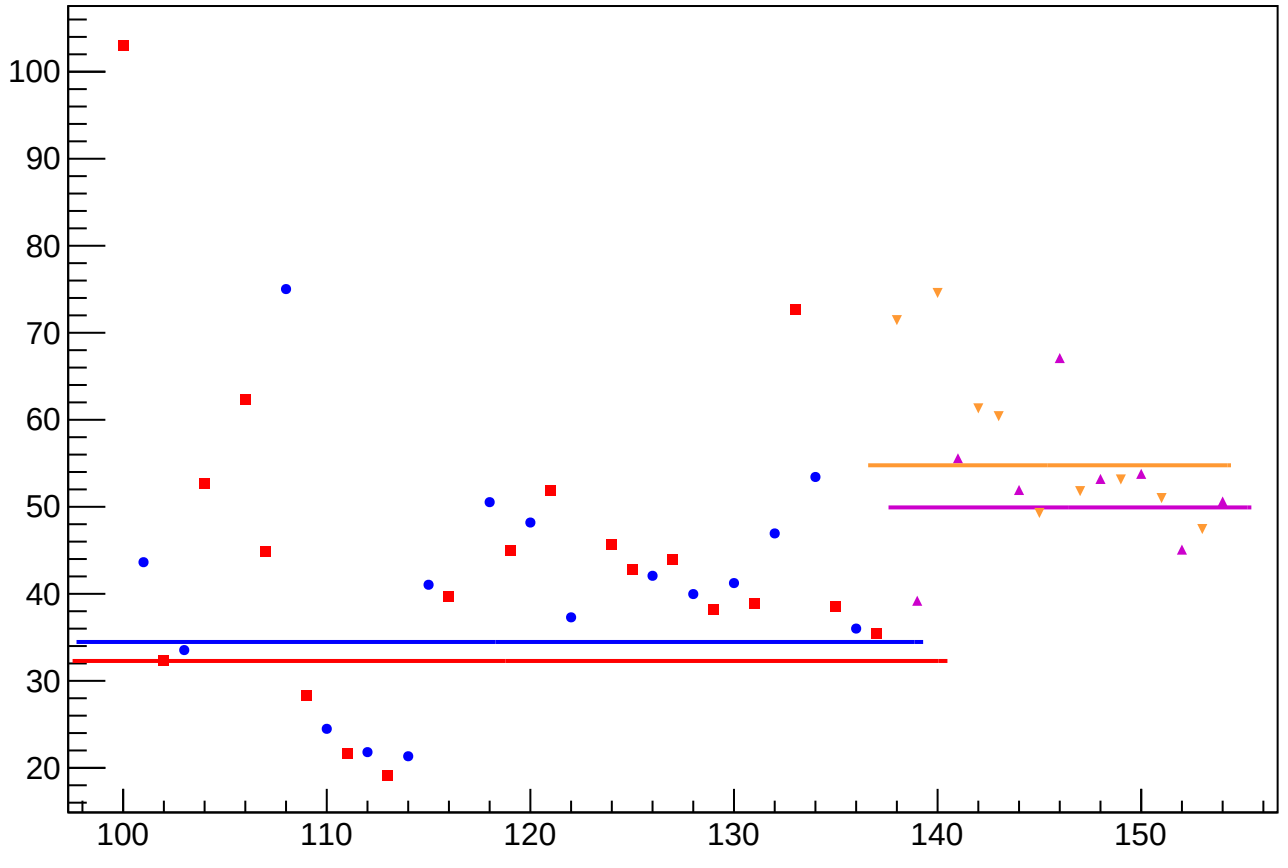
Left: 0.019+/-0.014 χ^2/NDF: 25.5/16

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.029+/-0.011 χ^2/NDF:27.0/23

Out: -0.008+/-0.011 χ^2/NDF:32.2/27

All: 0.010+/-0.008 χ^2/NDF: 64.6/51



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: 49.930+/-0.014 χ^2/NDF:270677.5/7

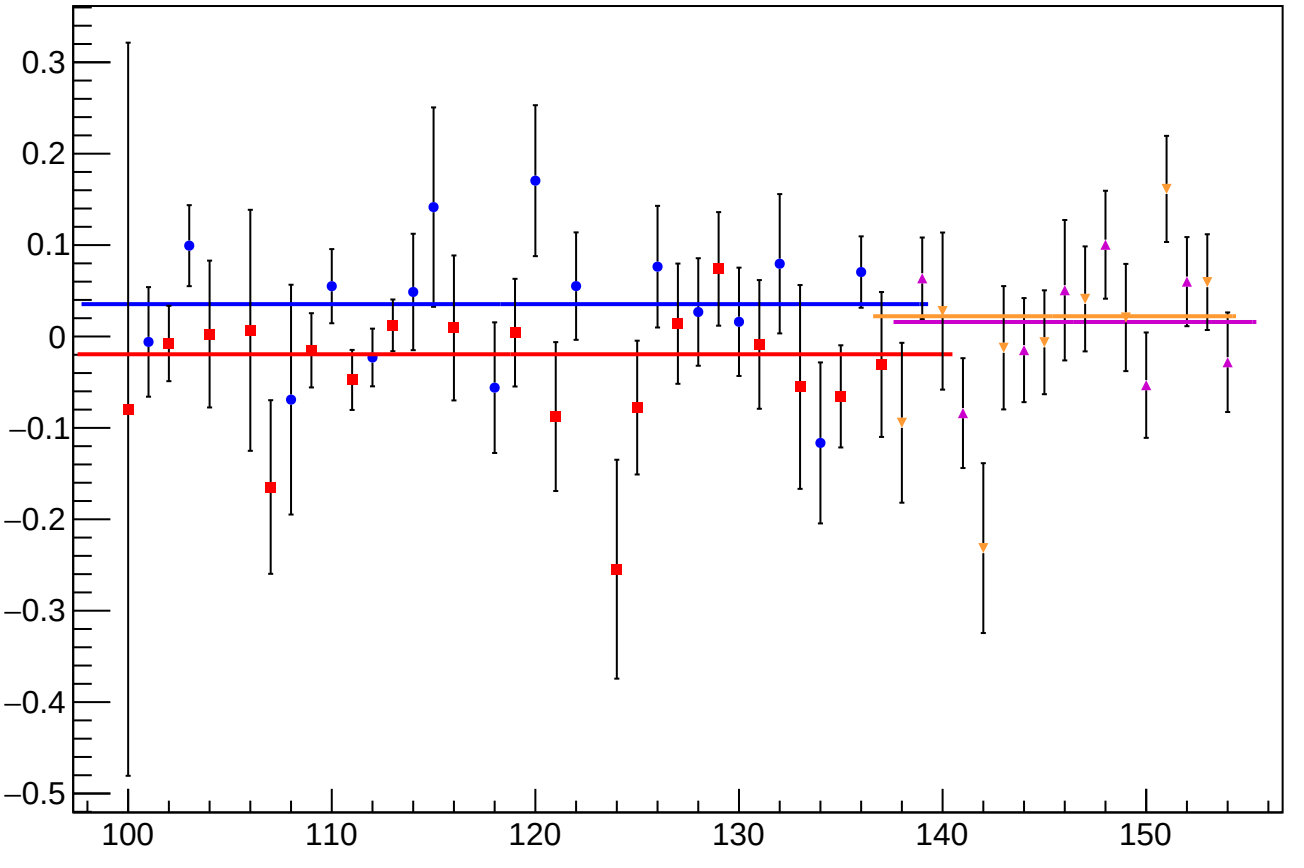
Left: 52.129+/-0.010 χ^2/NDF: 601971.4/16

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.637+/-0.008 χ^2/NDF:2270321.7/23

Out: 38.395+/-0.008 χ^2/NDF:3544153.4/27

All: 39.009+/-0.006 χ^2/NDF: 5826637.0/51



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: 0.016+/-0.020 χ^2/NDF:9.4/7

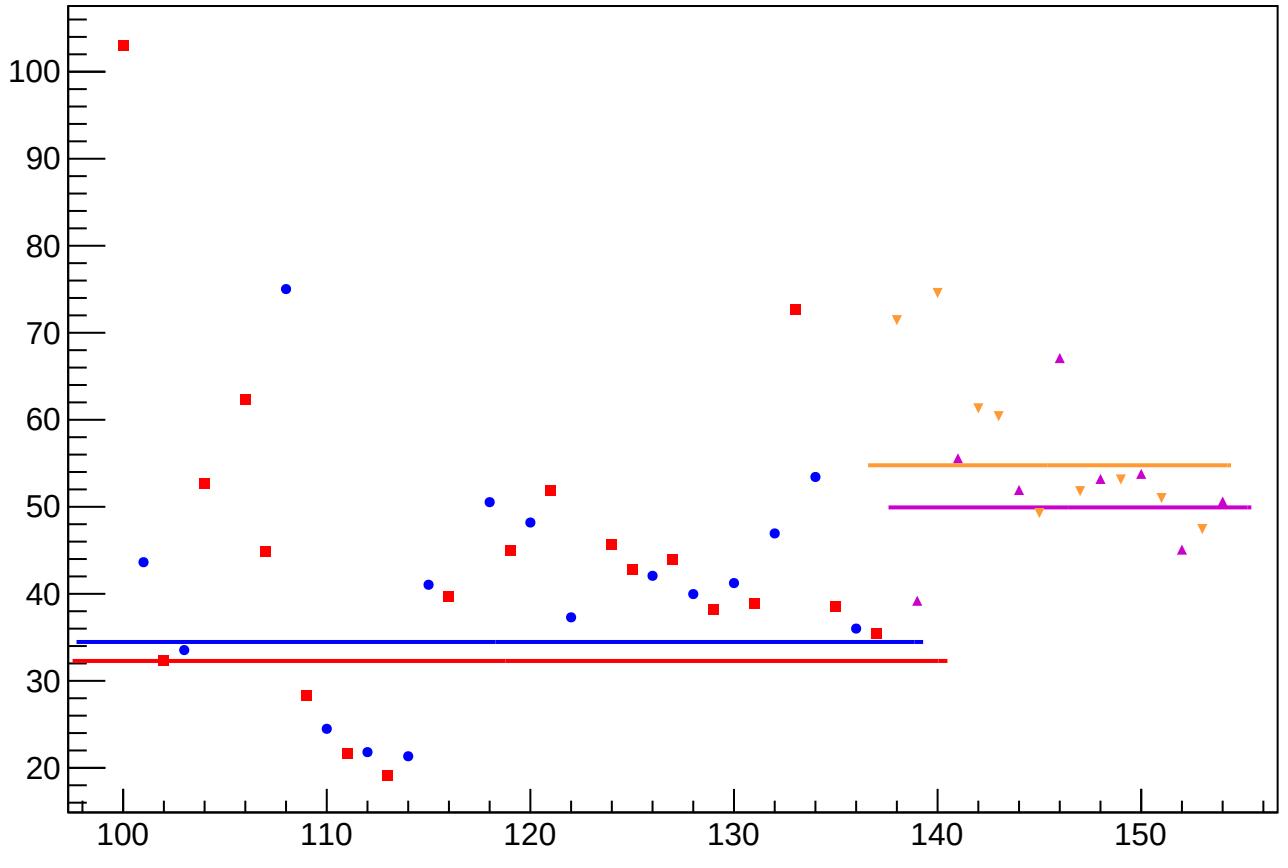
Left: 0.019+/-0.014 χ^2/NDF: 25.5/16

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.029+/-0.011 χ^2/NDF:27.0/23

Out: -0.008+/-0.011 χ^2/NDF:32.2/27

All: 0.010+/-0.008 χ^2/NDF: 64.6/51



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: 49.930+/-0.014 χ^2/NDF:270677.5/7

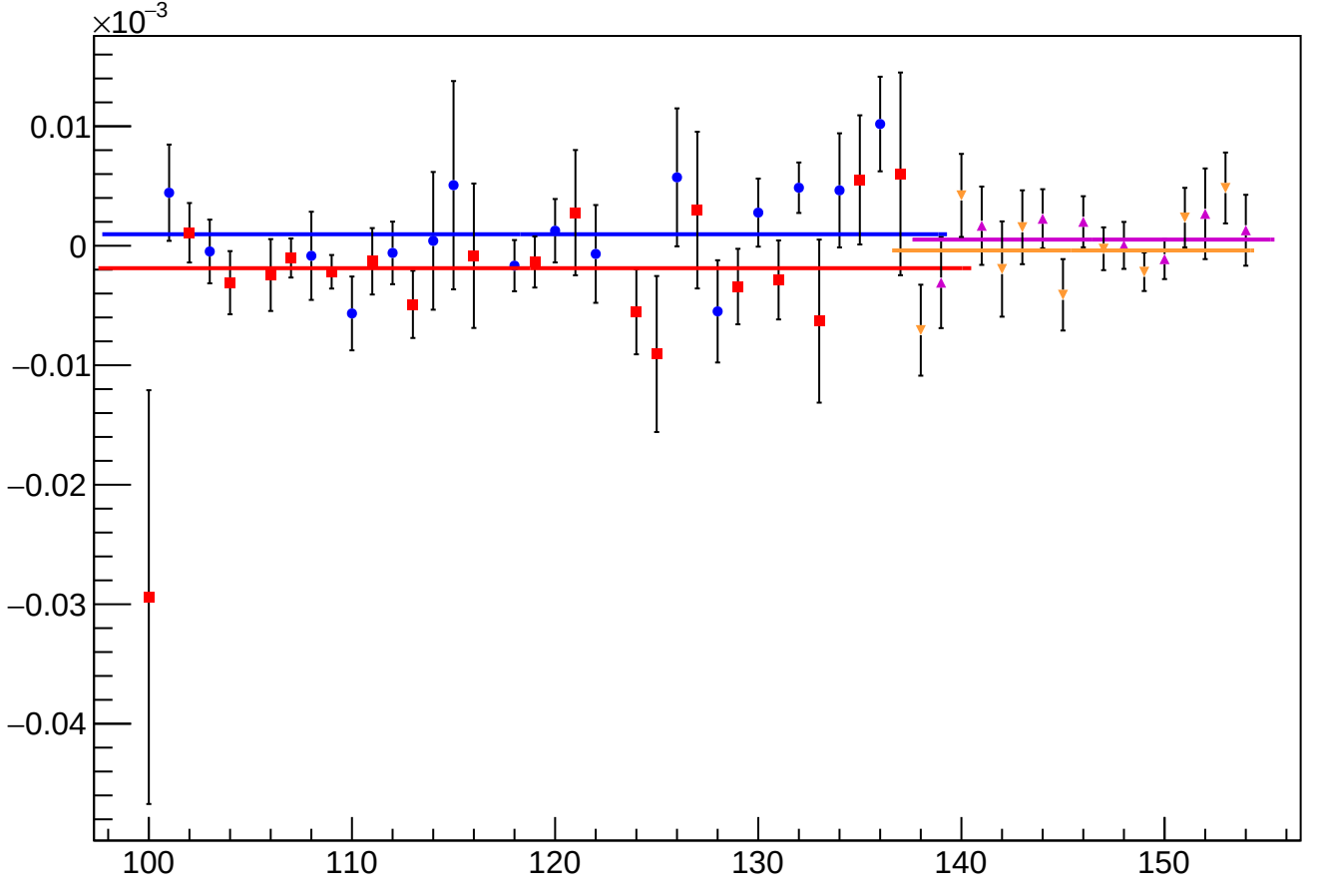
Left: 52.129+/-0.010 χ^2/NDF: 601971.4/16

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.637+/-0.008 χ^2/NDF:2270321.7/23

Out: 38.395+/-0.008 χ^2/NDF:3544153.4/27

All: 39.009+/-0.006 χ^2/NDF: 5826637.0/51



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:3.4/7

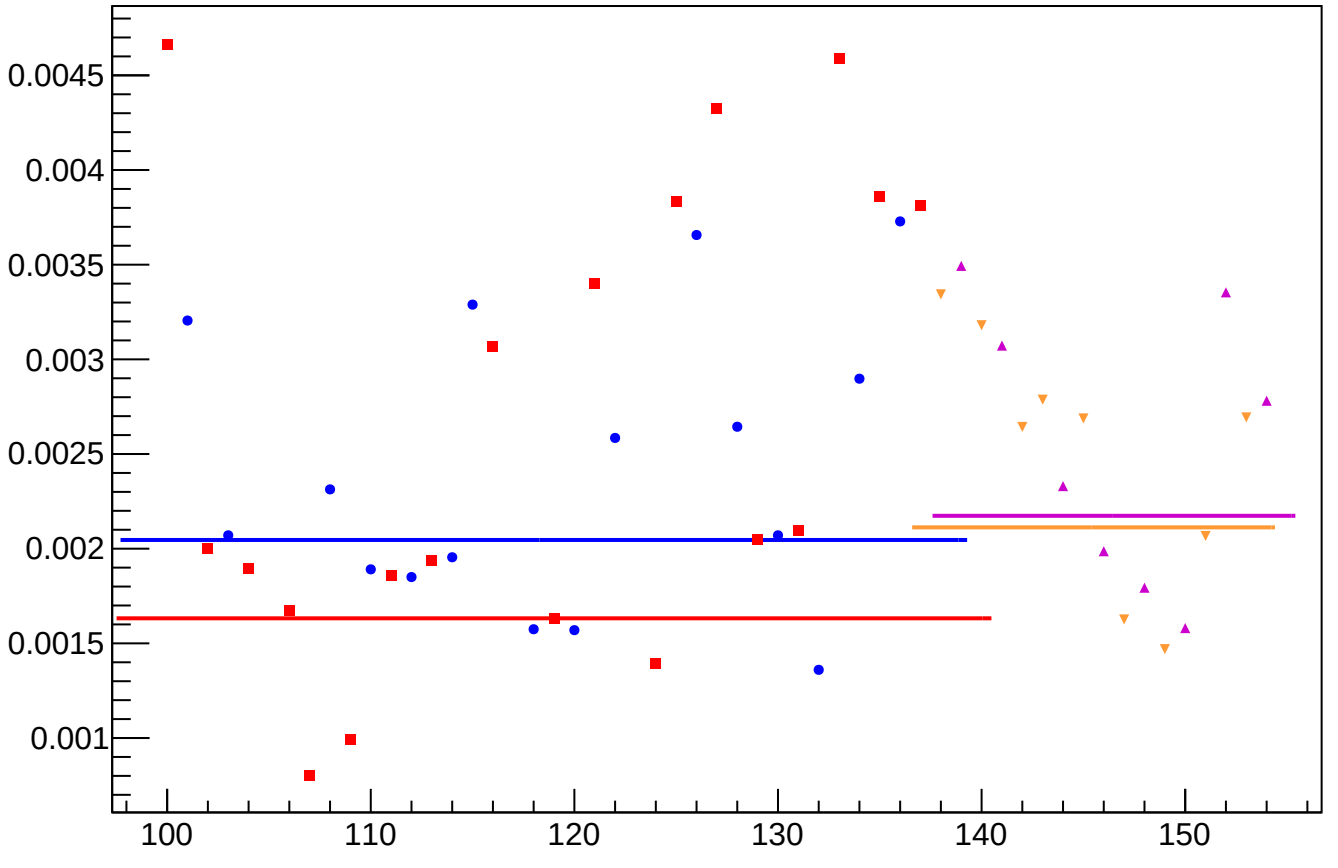
Left: 0.000+/-0.000 χ^2/NDF: 16.5/16

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:24.5/23

Out: -0.000+/-0.000 χ^2/NDF:27.3/27

All: -0.000+/-0.000 χ^2/NDF: 58.5/51



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1147004.2/8

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1018335.7/7

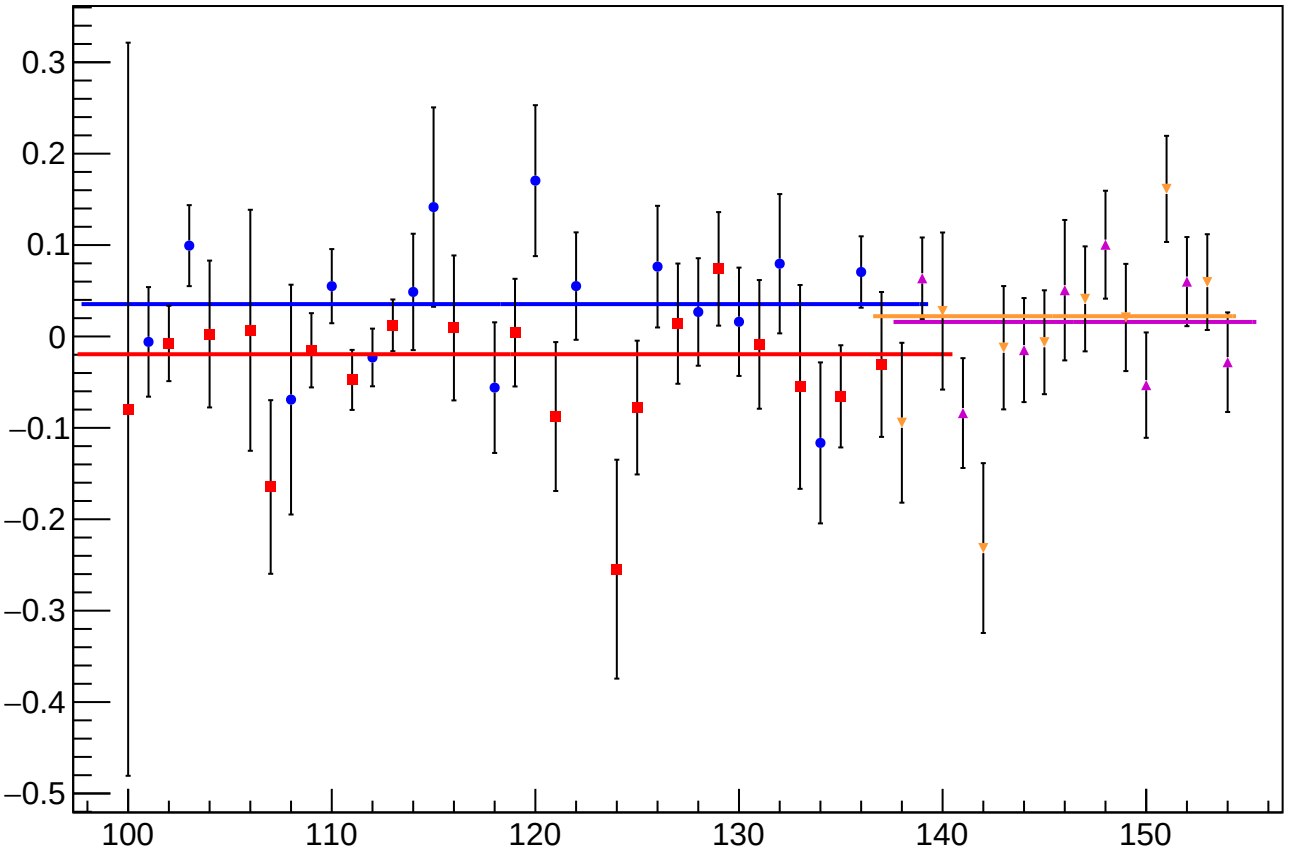
Left: 0.002+/-0.000 χ^2/NDF: 2170458.8/16

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:2302142.6/23

Out: 0.002+/-0.000 χ^2/NDF:4473410.4/27

All: 0.002+/-0.000 χ^2/NDF: 7040999.3/51



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: 0.016+/-0.020 χ^2/NDF:9.4/7

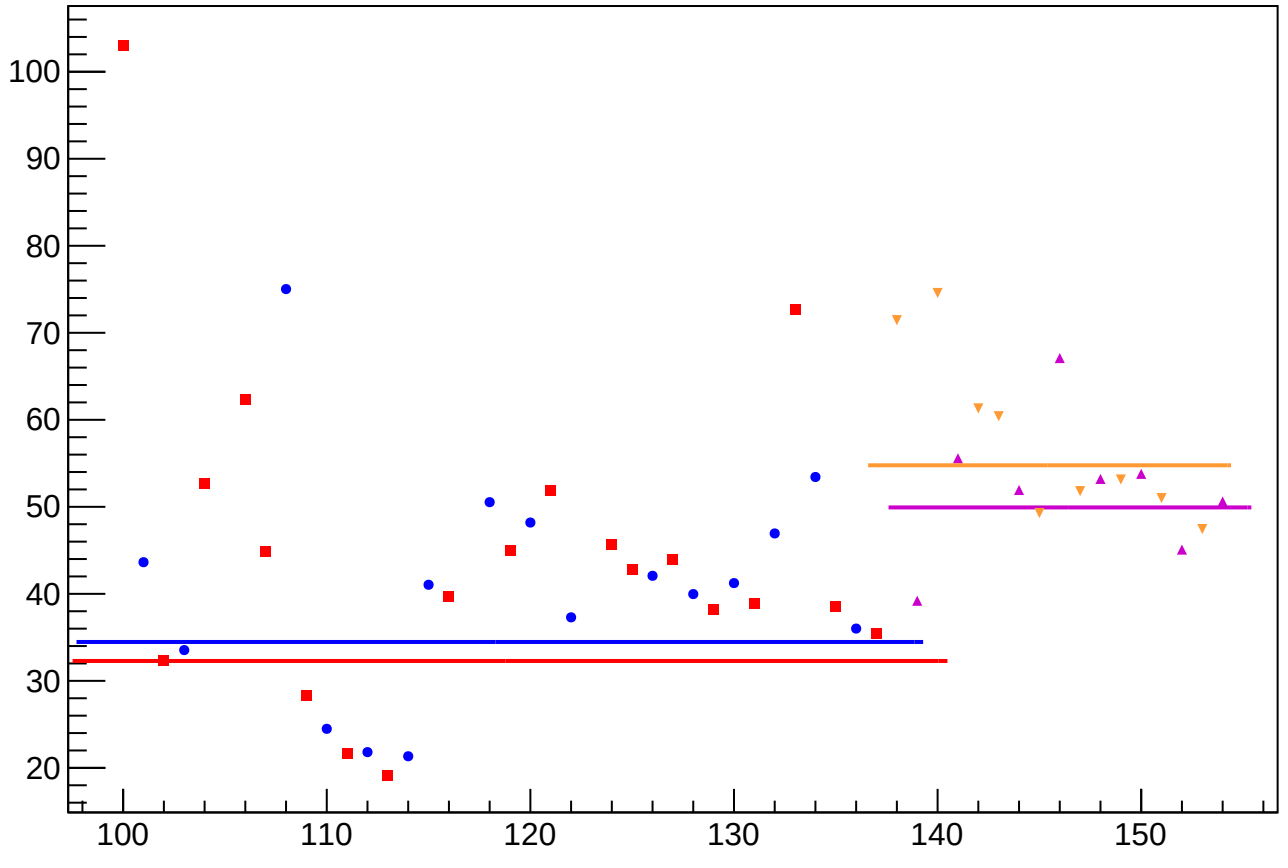
Left: 0.019+/-0.014 χ^2/NDF: 25.5/16

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.029+/-0.011 χ^2/NDF:27.0/23

Out: -0.008+/-0.011 χ^2/NDF:32.2/27

All: 0.010+/-0.008 χ^2/NDF: 64.6/51



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: 49.931+/-0.014 χ^2/NDF:270687.6/7

Left: 52.130+/-0.010 χ^2/NDF: 601964.8/16

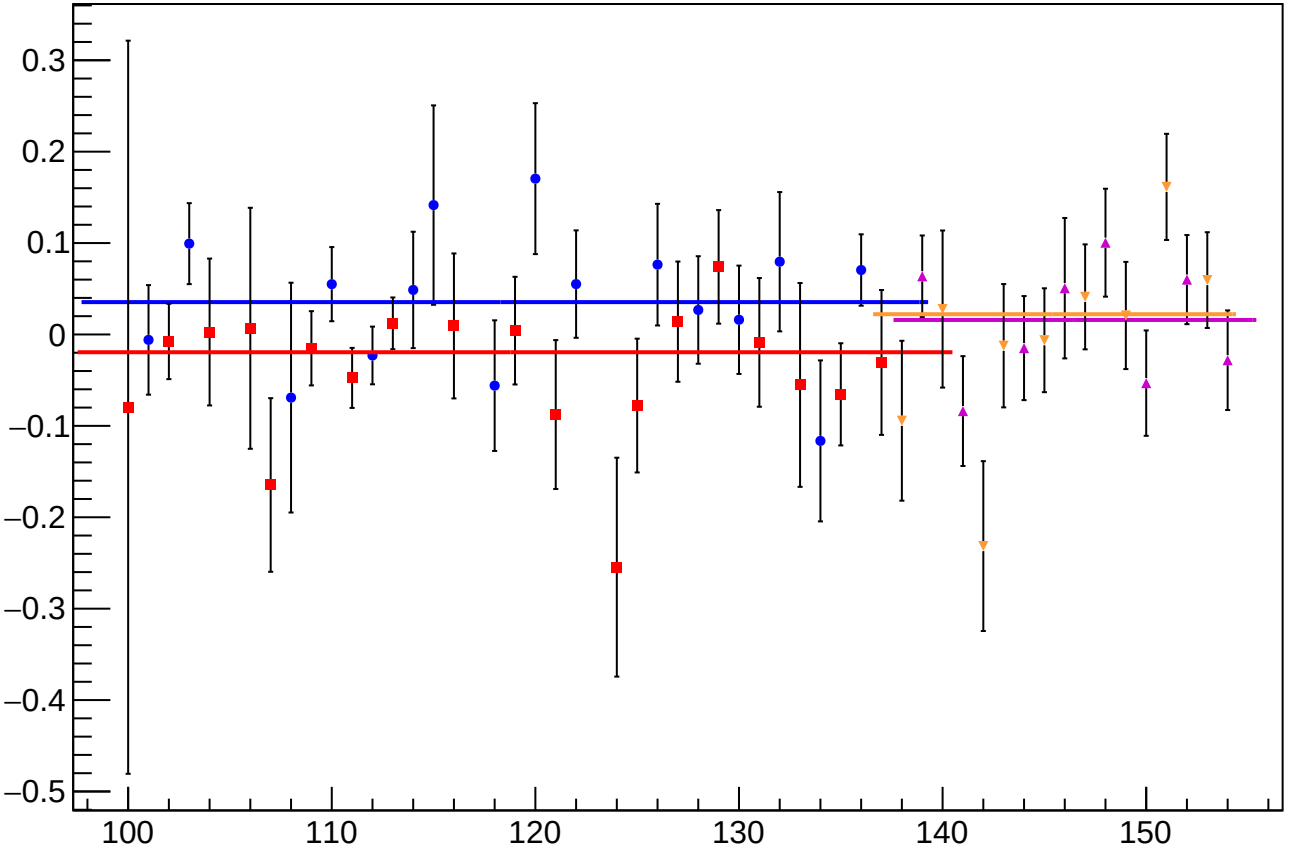
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.638+/-0.008 χ^2/NDF:2270304.9/23

Out: 38.395+/-0.008 χ^2/NDF:3544138.0/27

All: 39.009+/-0.006 χ^2/NDF: 5826603.7/51

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: 0.016+/-0.020 χ^2/NDF:9.4/7

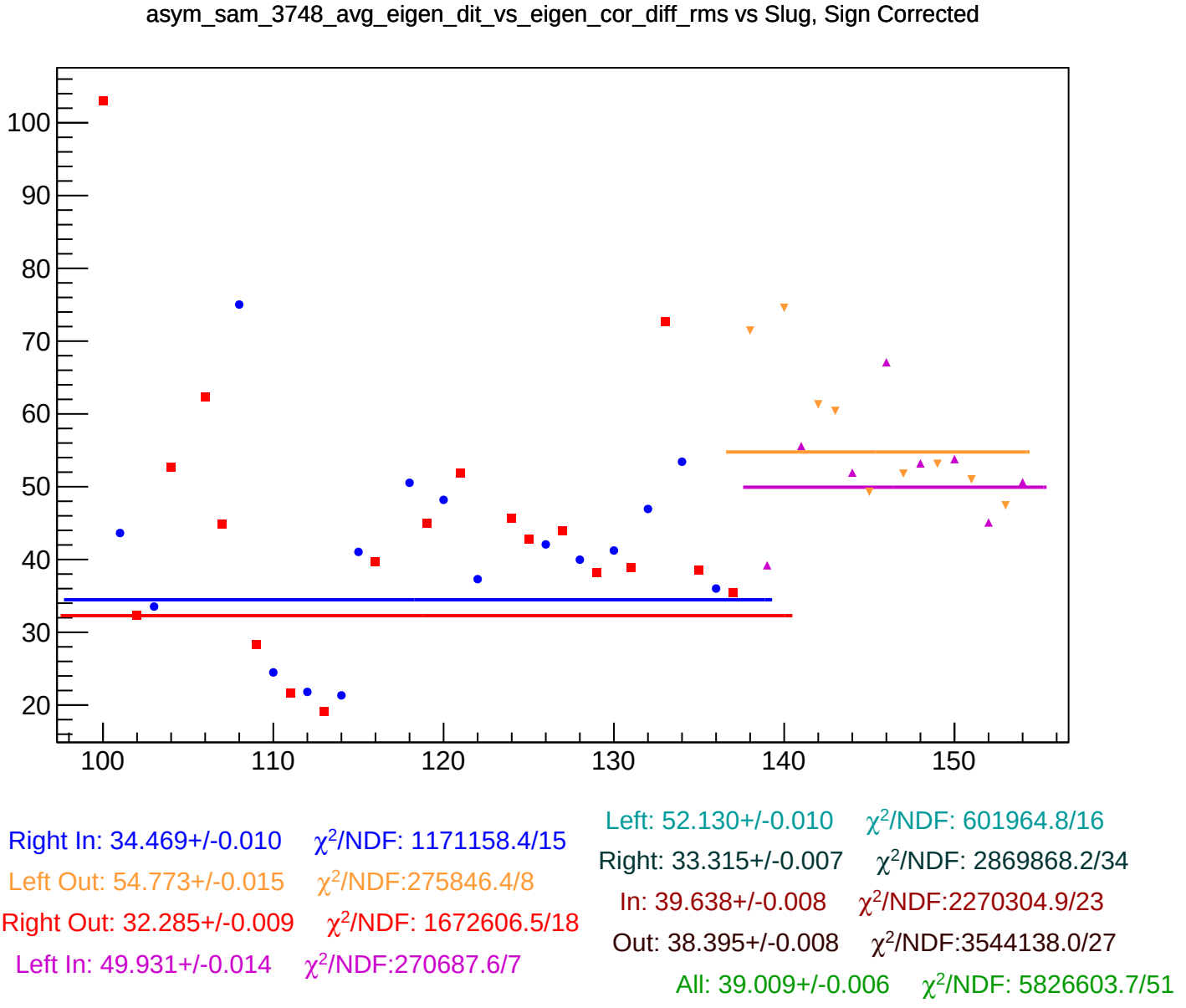
Left: 0.019+/-0.014 χ^2/NDF: 25.5/16

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.029+/-0.011 χ^2/NDF:27.0/23

Out: -0.008+/-0.011 χ^2/NDF:32.2/27

All: 0.010+/-0.008 χ^2/NDF: 64.6/51


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
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60
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40
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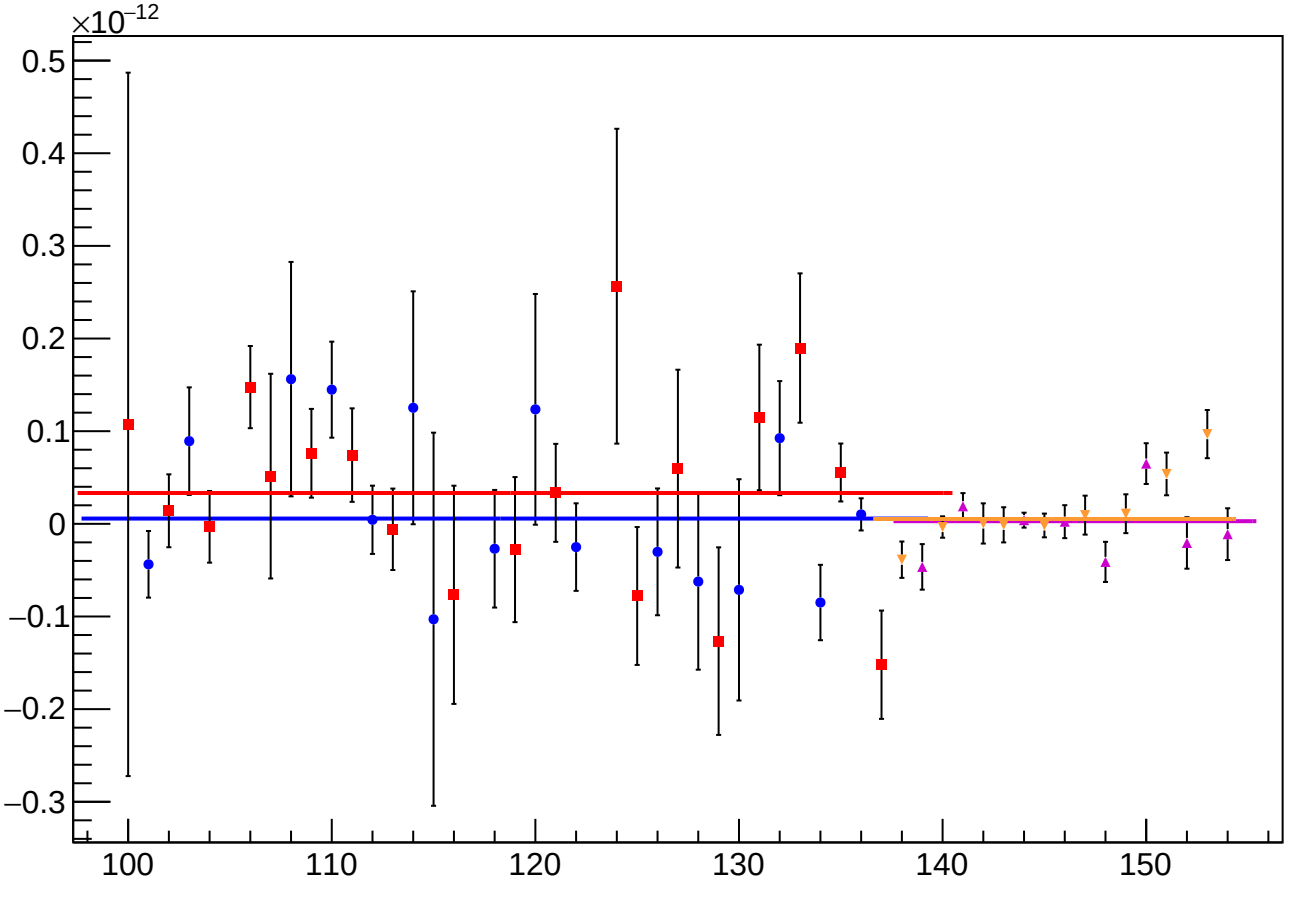
20
100
110
120
130
140
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 54.773+/-0.015 χ²/NDF:275846.4/8
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 49.931+/-0.014 χ²/NDF:270687.6/7
Left: 52.130+/-0.010 χ²/NDF: 601964.8/16
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 39.638+/-0.008 χ²/NDF:2270304.9/23
Out: 38.395+/-0.008 χ²/NDF:3544138.0/27
All: 39.009+/-0.006 χ²/NDF: 5826603.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/7

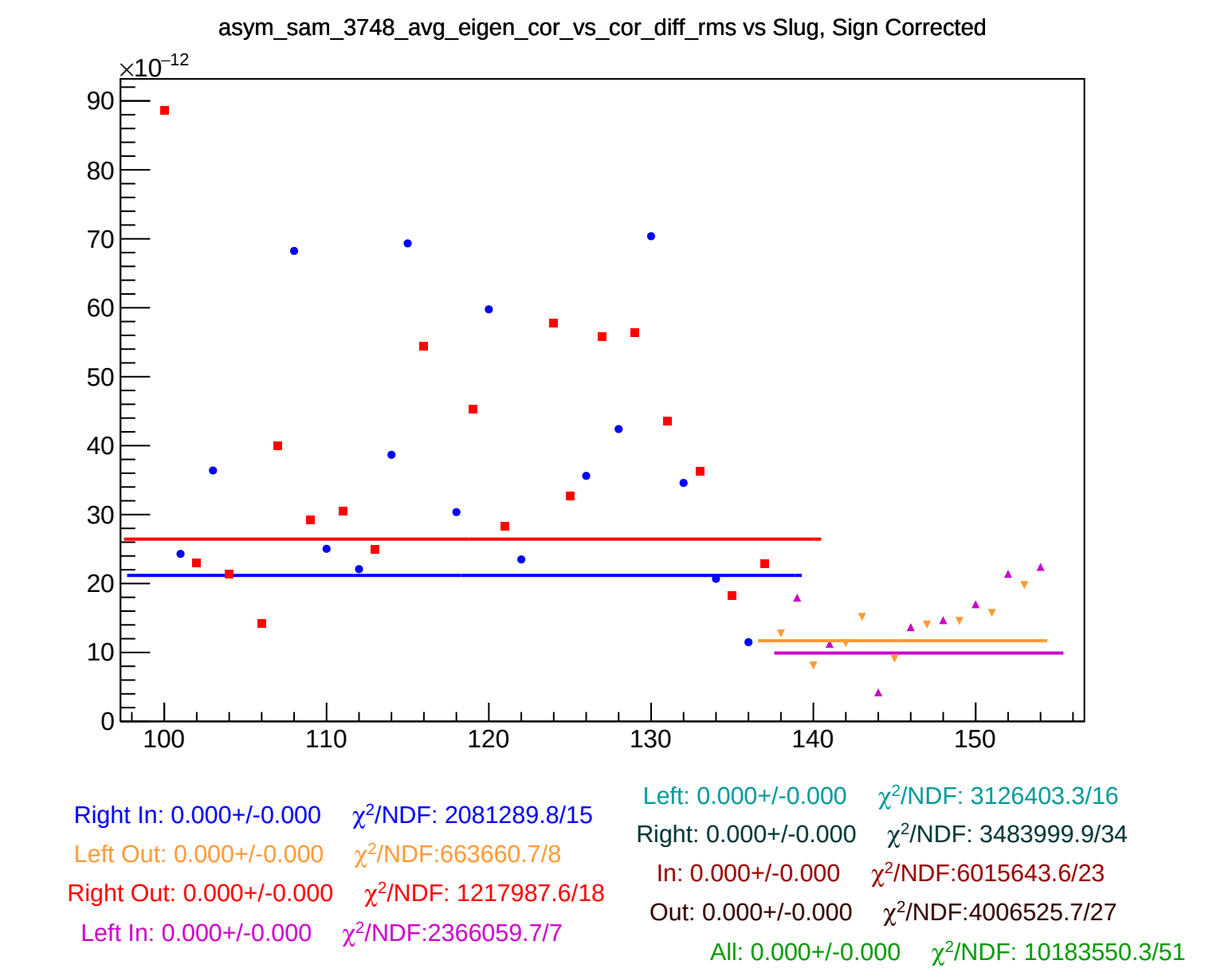
Left: 0.000+/-0.000 χ^2/NDF: 41.5/16

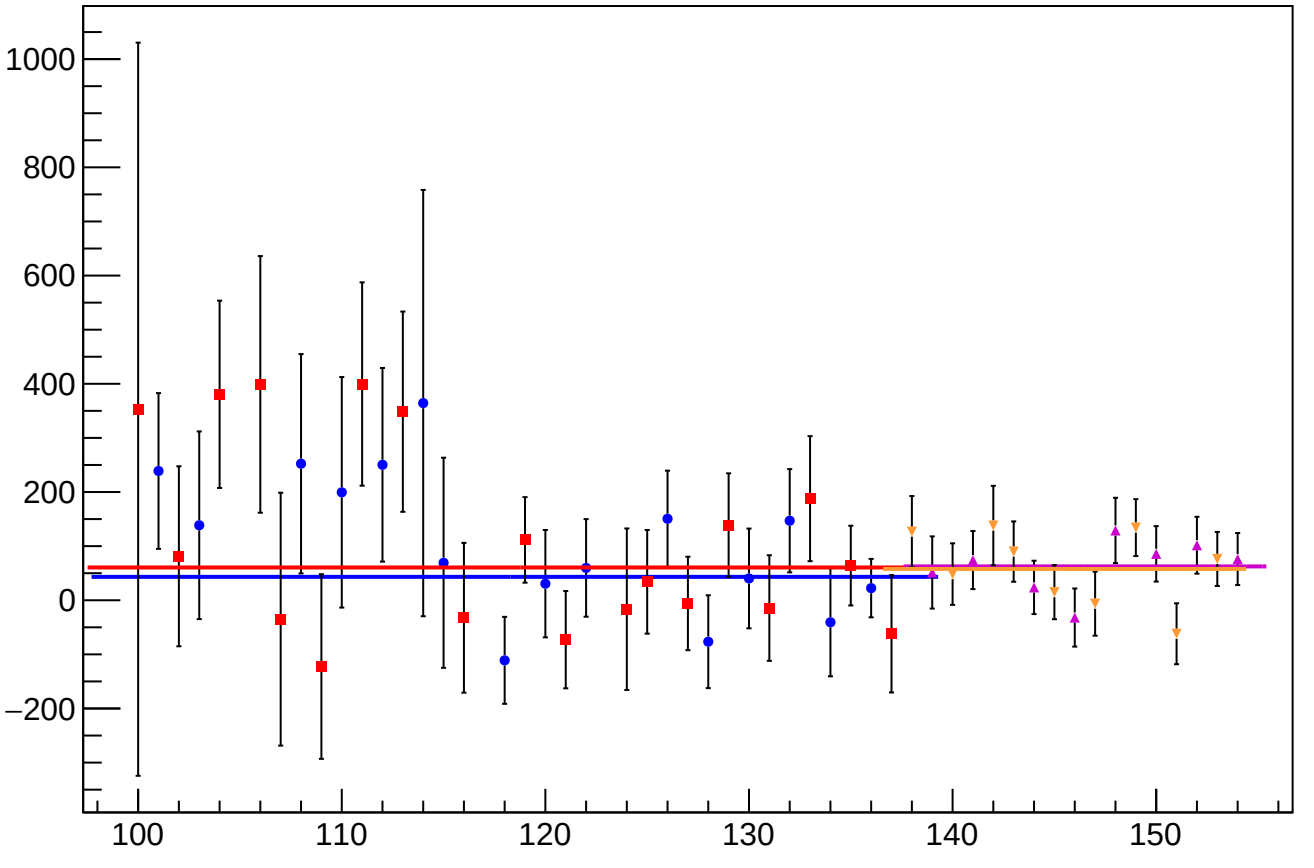
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:42.0/23

Out: 0.000+/-0.000 χ^2/NDF:60.4/27

All: 0.000+/-0.000 χ^2/NDF: 103.2/51


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:2366059.7/7
Left: 0.000+/-0.000 χ²/NDF: 3126403.3/16
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6015643.6/23
Out: 0.000+/-0.000 χ²/NDF:4006525.7/27
All: 0.000+/-0.000 χ²/NDF: 10183550.3/51



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: 62.520+/-18.964 χ^2/NDF:5.8/7

Left: 60.183+/-13.372 χ^2/NDF: 17.2/16

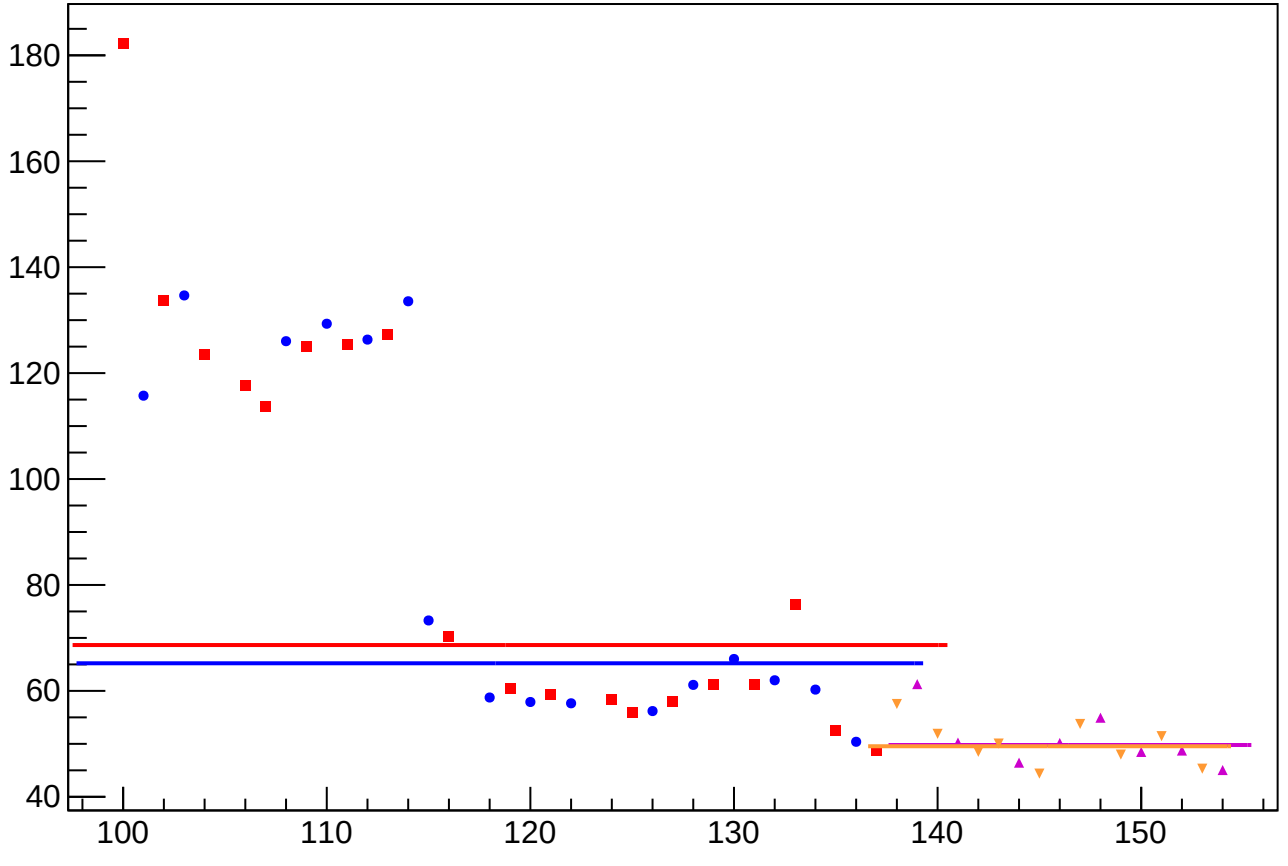
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 55.753+/-15.276 χ^2/NDF:21.2/23

Out: 58.766+/-15.440 χ^2/NDF:31.8/27

All: 57.243+/-10.859 χ^2/NDF: 52.9/51

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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: 49.782+/-0.013 χ^2/NDF:104827.9/7

Left: 49.664+/-0.009 χ^2/NDF: 188343.4/16

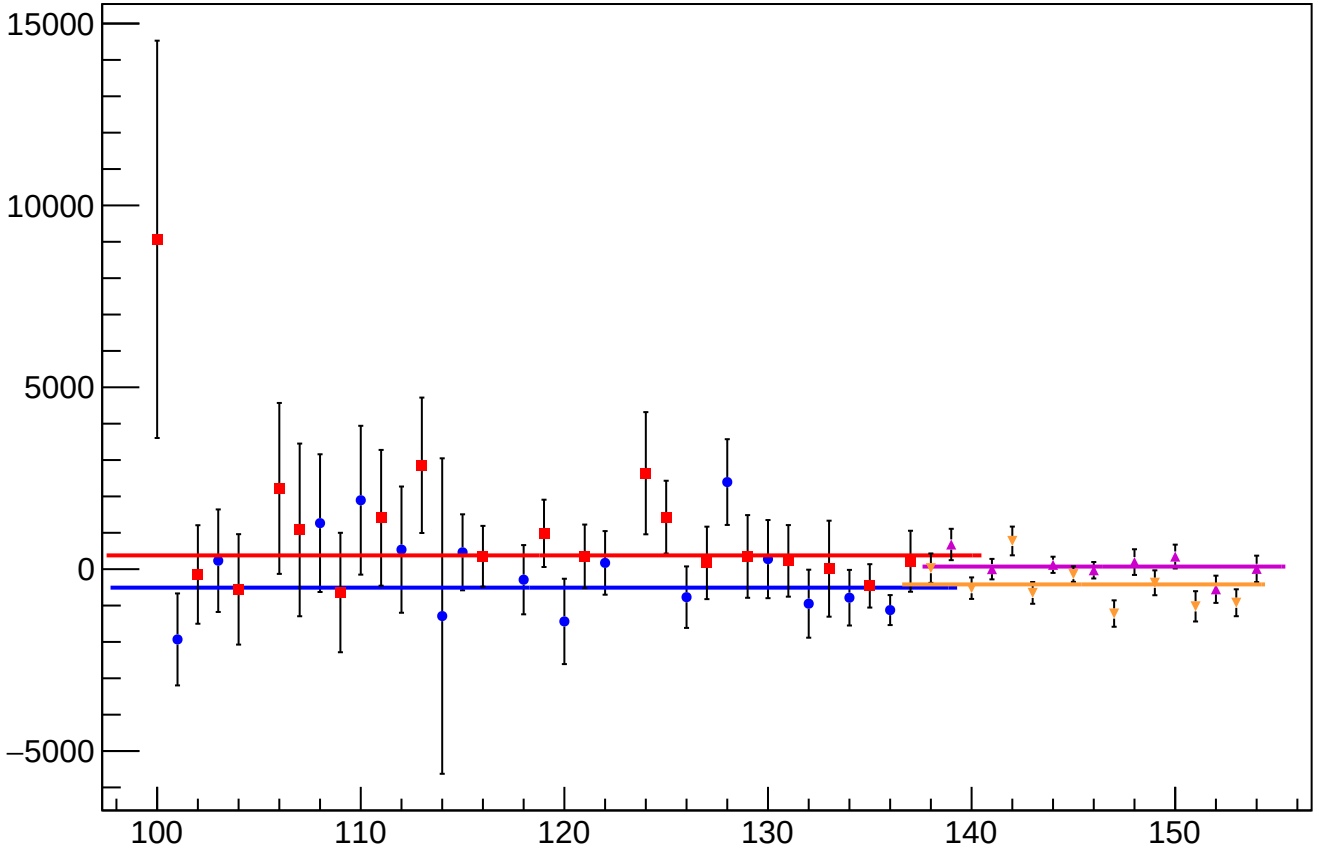
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 55.200+/-0.011 χ^2/NDF:2016228.2/23

Out: 55.846+/-0.011 χ^2/NDF:2401128.9/27

All: 55.519+/-0.008 χ^2/NDF: 4419124.4/51

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: 71.507+/-105.553 χ^2/NDF:5.9/7

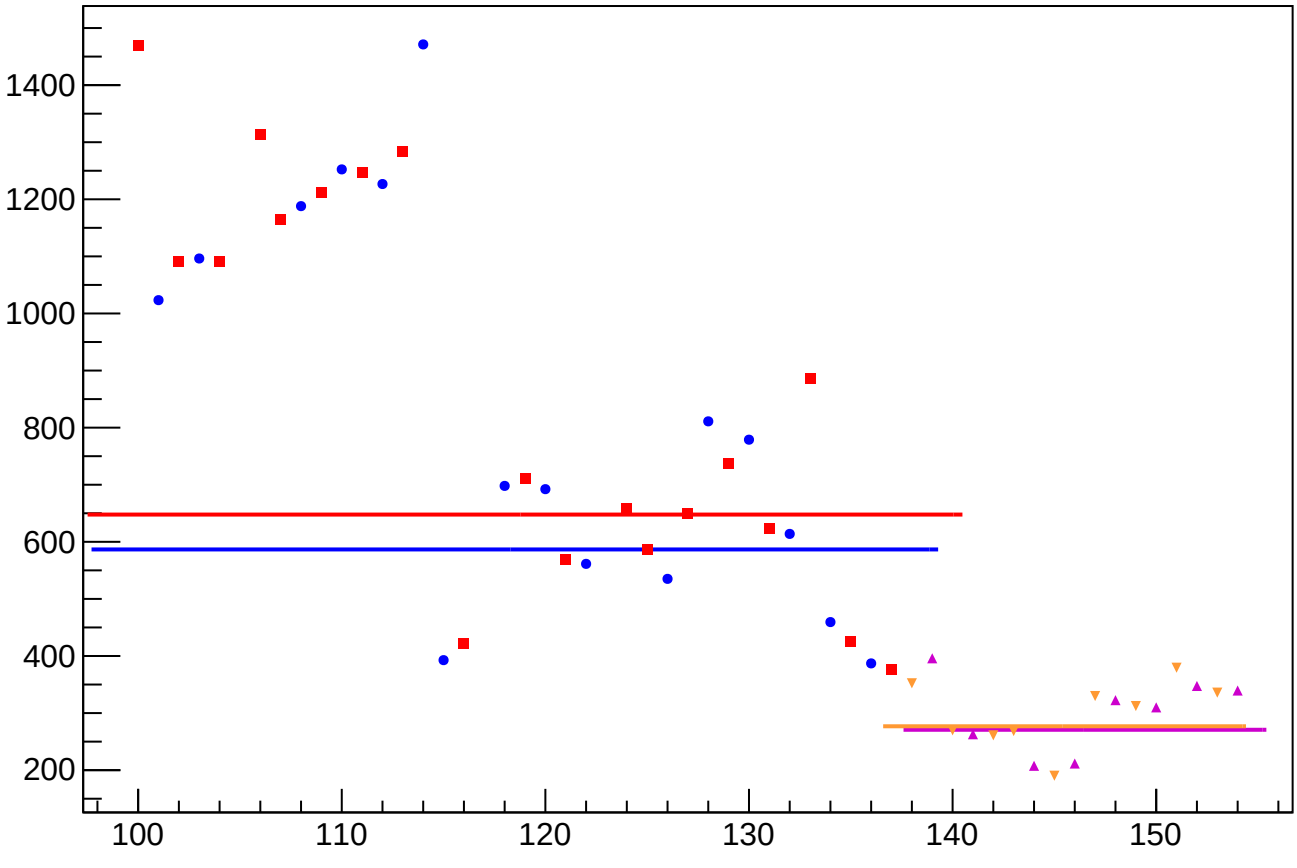
Left: -169.037+/-75.351 χ^2/NDF: 38.2/16

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -24.440+/-96.418 χ^2/NDF:26.6/23

Out: -299.536+/-99.219 χ^2/NDF:41.7/27

All: -158.050+/-69.147 χ^2/NDF: 72.2/51



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: 270.761+/-0.075 χ^2/NDF:694985.0/7

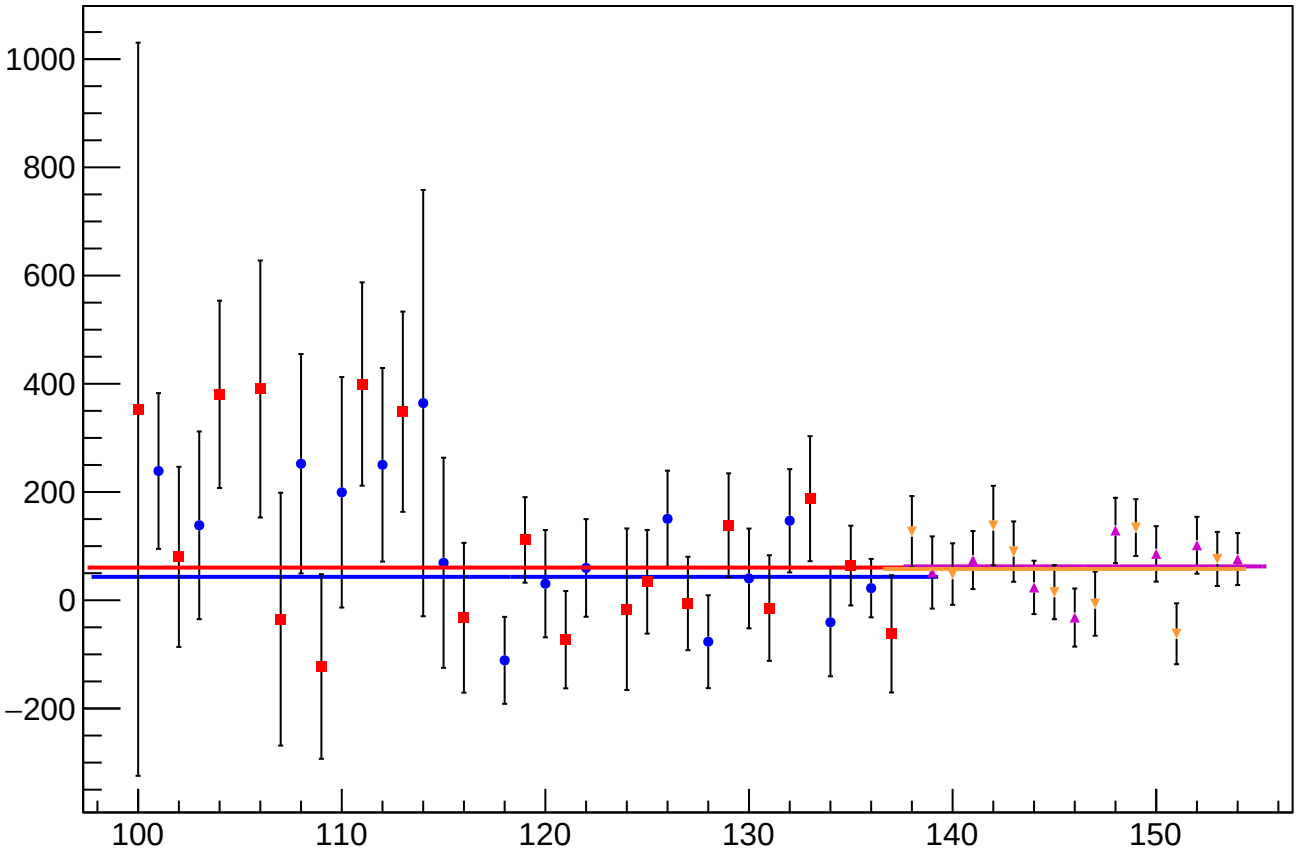
Left: 273.762+/-0.053 χ^2/NDF: 1340214.4/16

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 323.067+/-0.068 χ^2/NDF:5714130.6/23

Out: 332.411+/-0.070 χ^2/NDF:6304985.8/27

All: 327.605+/-0.049 χ^2/NDF: 12028238.4/51



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: 62.518+/-18.964 χ^2/NDF:5.8/7

Left: 60.185+/-13.372 χ^2/NDF: 17.2/16

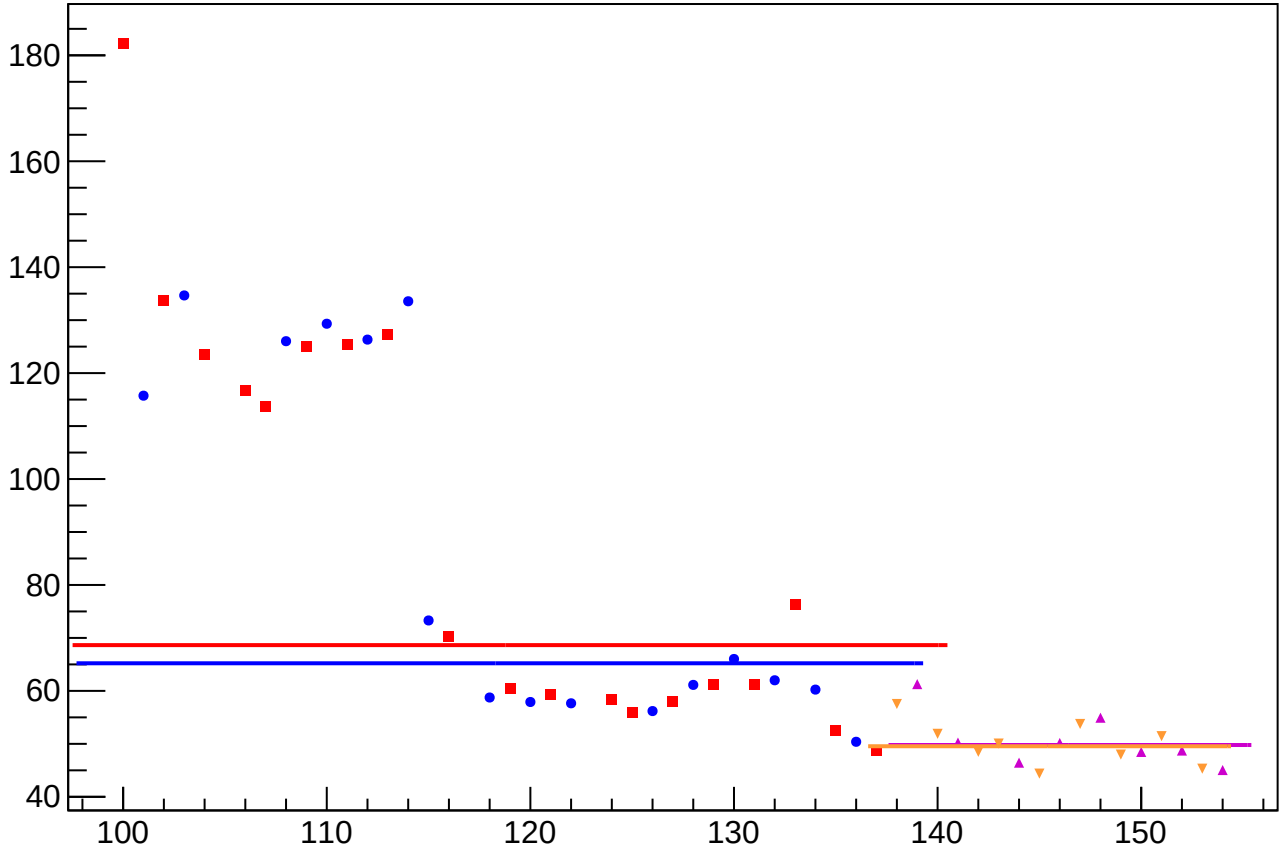
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 55.749+/-15.276 χ^2/NDF:21.2/23

Out: 58.719+/-15.440 χ^2/NDF:31.7/27

All: 57.218+/-10.859 χ^2/NDF: 52.8/51

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: 49.782+/-0.013 χ^2/NDF:104827.9/7

Left: 49.664+/-0.009 χ^2/NDF: 188343.4/16

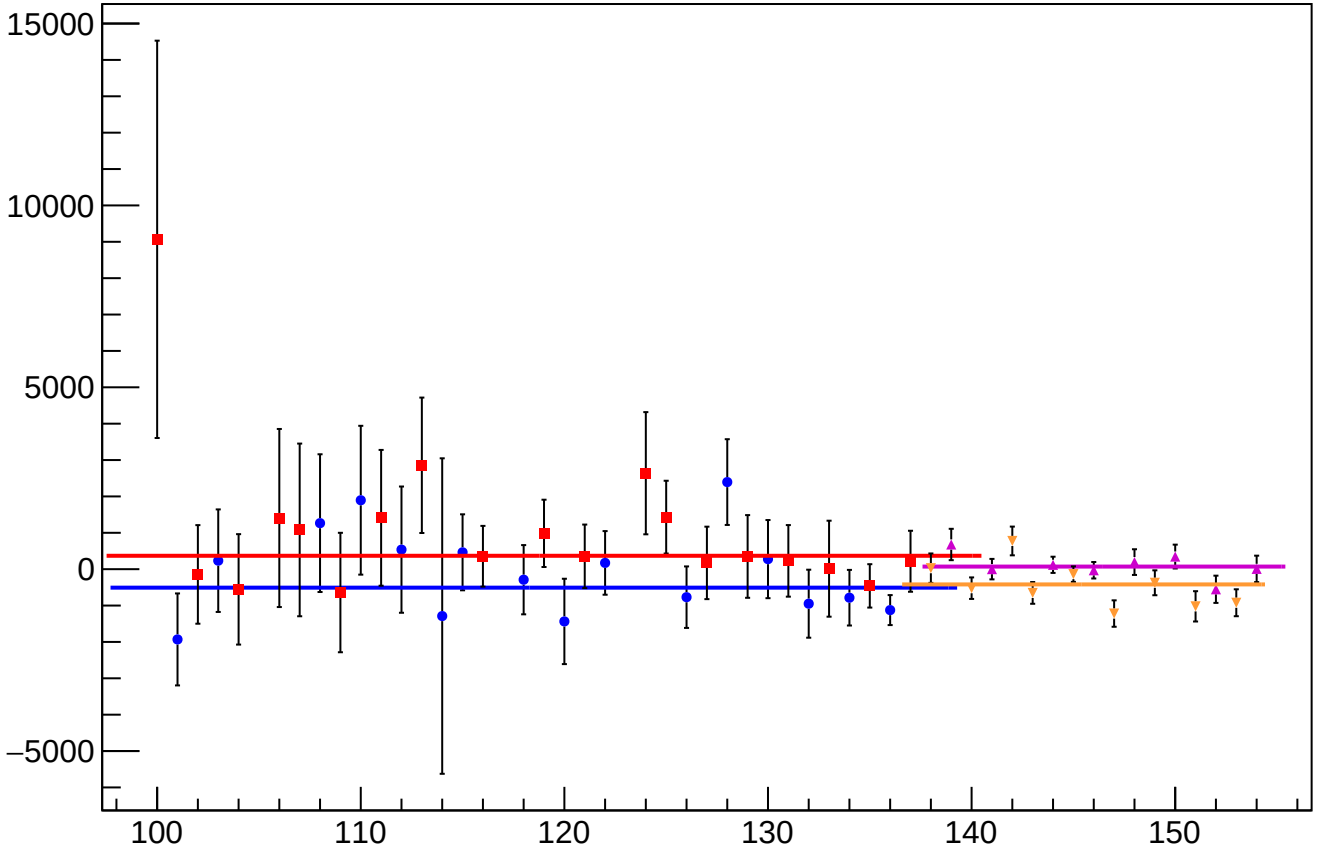
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 55.200+/-0.011 χ^2/NDF:2016230.3/23

Out: 55.841+/-0.011 χ^2/NDF:2396739.4/27

All: 55.517+/-0.008 χ^2/NDF: 4414709.8/51

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -419.007+/-107.602 χ^2/NDF:21.7/8

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 71.506+/-105.553 χ^2/NDF:5.9/7

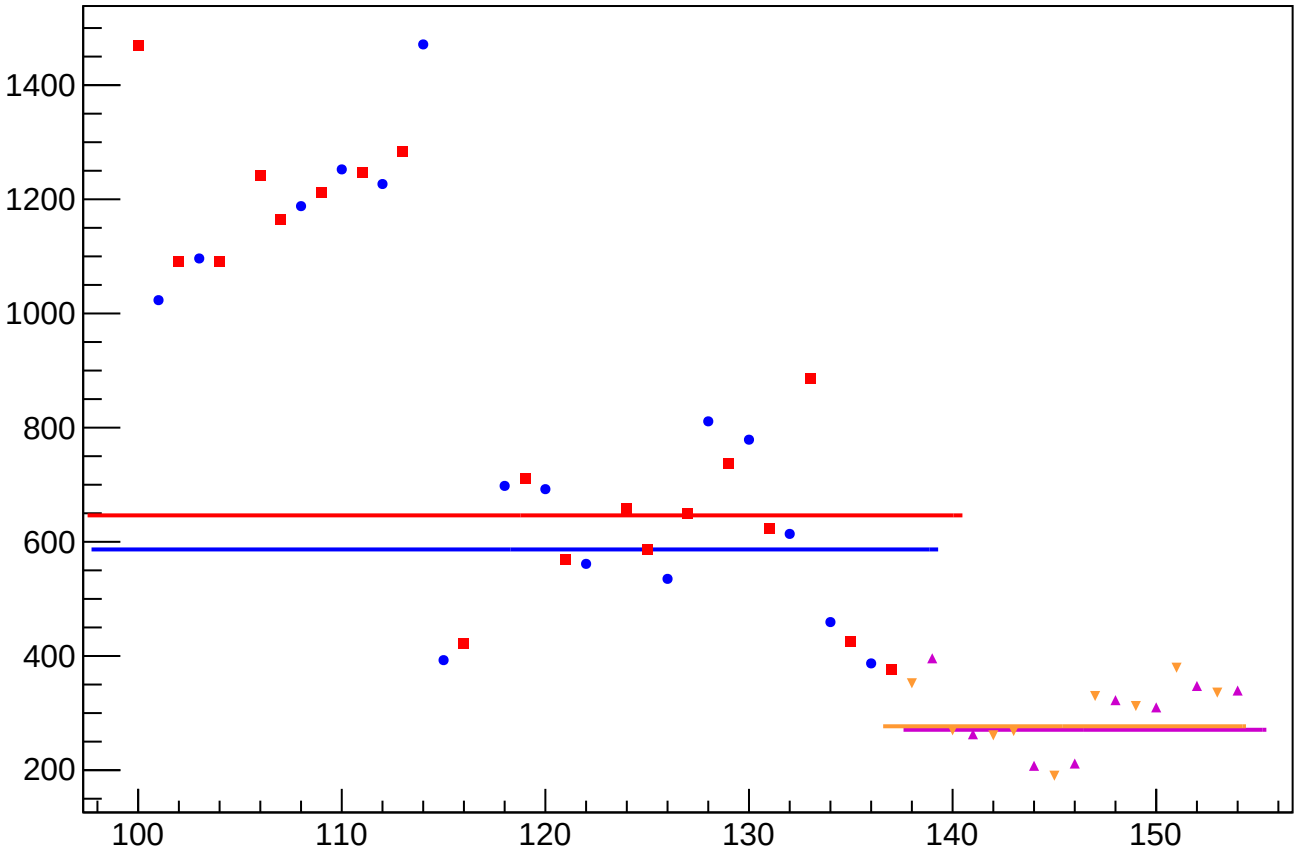
Left: -169.036+/-75.351 χ^2/NDF: 38.2/16

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -24.437+/-96.418 χ^2/NDF:26.6/23

Out: -301.212+/-99.226 χ^2/NDF:41.0/27

All: -158.853+/-69.150 χ^2/NDF: 71.5/51



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: 270.761+/-0.075 χ^2/NDF:694981.0/7

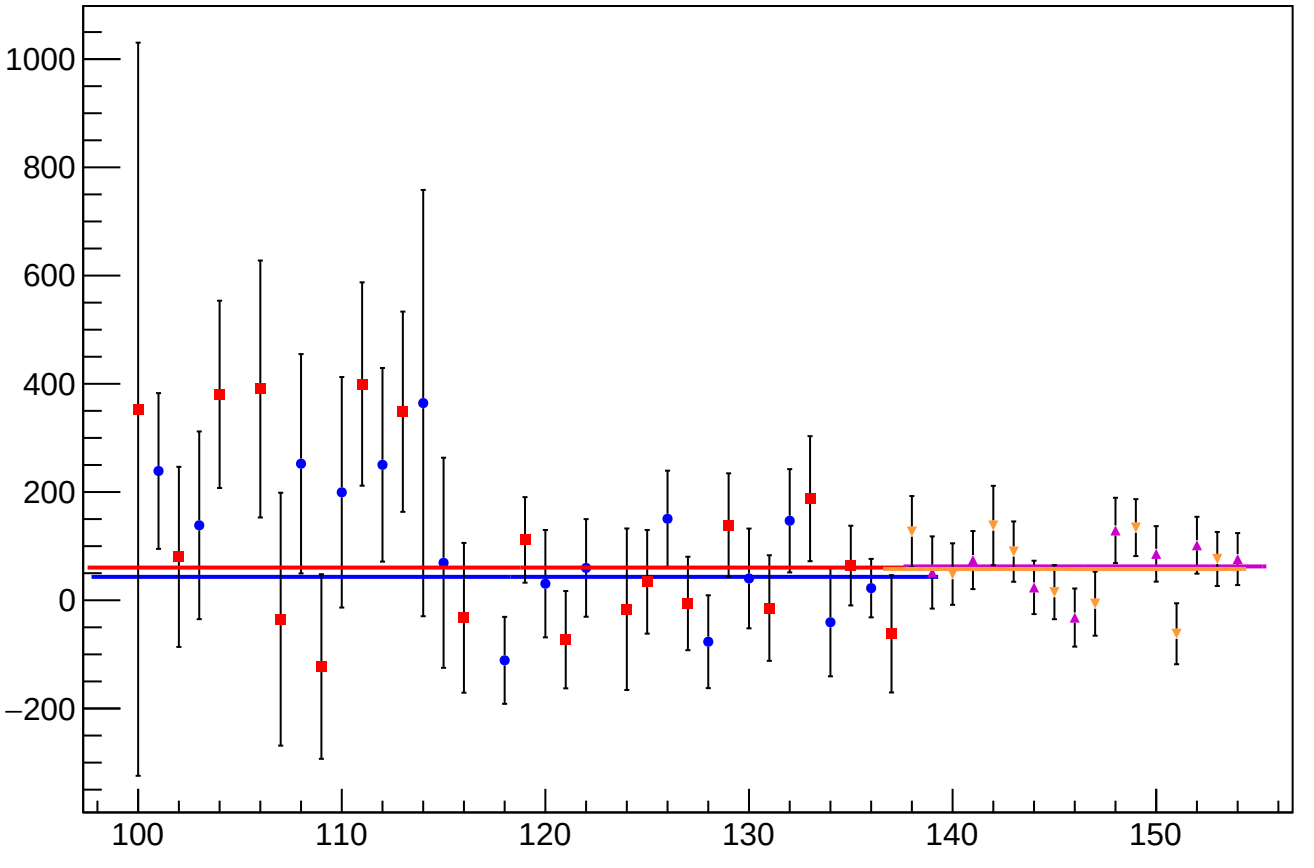
Left: 273.761+/-0.053 χ^2/NDF: 1340213.2/16

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 323.067+/-0.068 χ^2/NDF:5714148.3/23

Out: 332.153+/-0.070 χ^2/NDF:6232609.3/27

All: 327.480+/-0.049 χ^2/NDF: 11955382.9/51



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: 62.518+/-18.964 χ^2/NDF:5.8/7

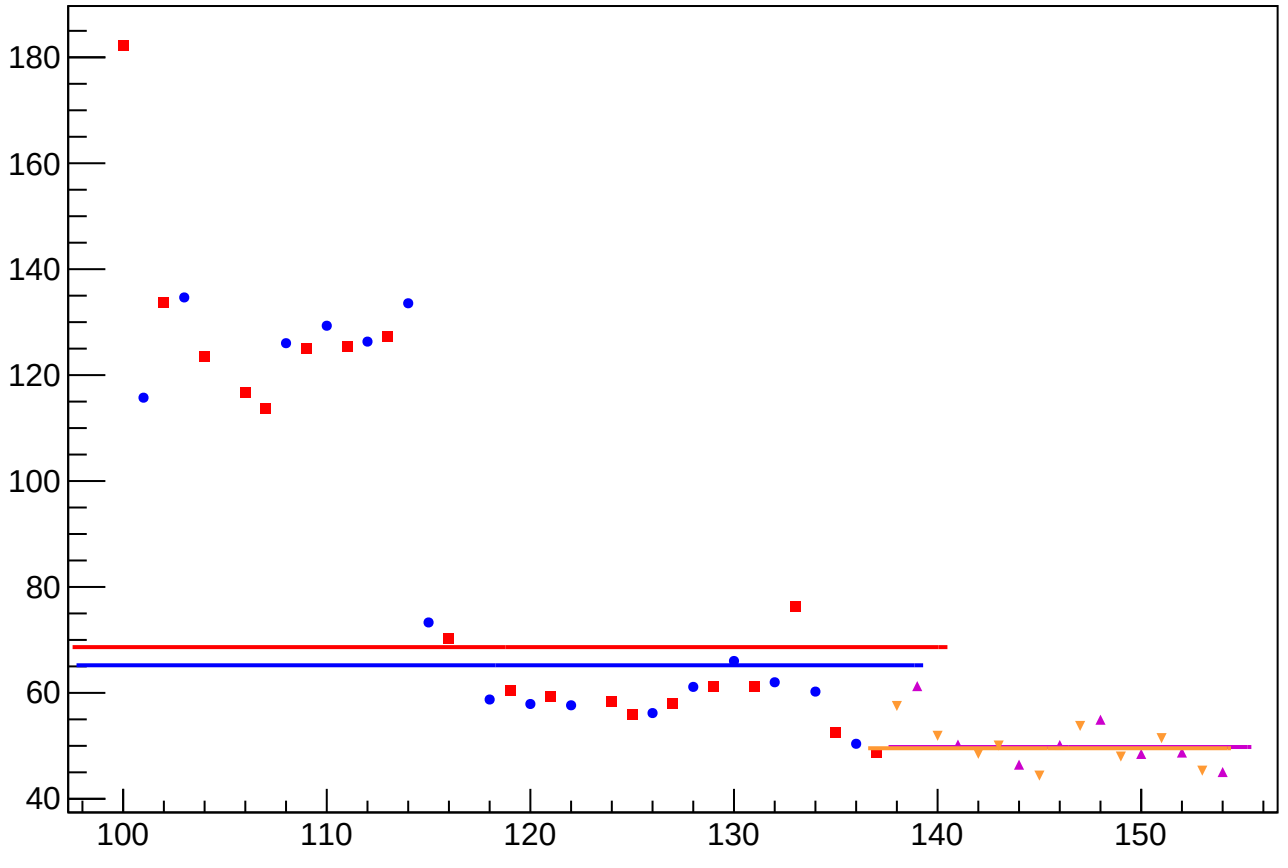
Left: 60.185+/-13.372 χ^2/NDF: 17.2/16

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 55.749+/-15.276 χ^2/NDF:21.2/23

Out: 58.719+/-15.440 χ^2/NDF:31.7/27

All: 57.218+/-10.859 χ^2/NDF: 52.8/51



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: 49.782+/-0.013 χ^2/NDF:104827.9/7

Left: 49.664+/-0.009 χ^2/NDF: 188343.4/16

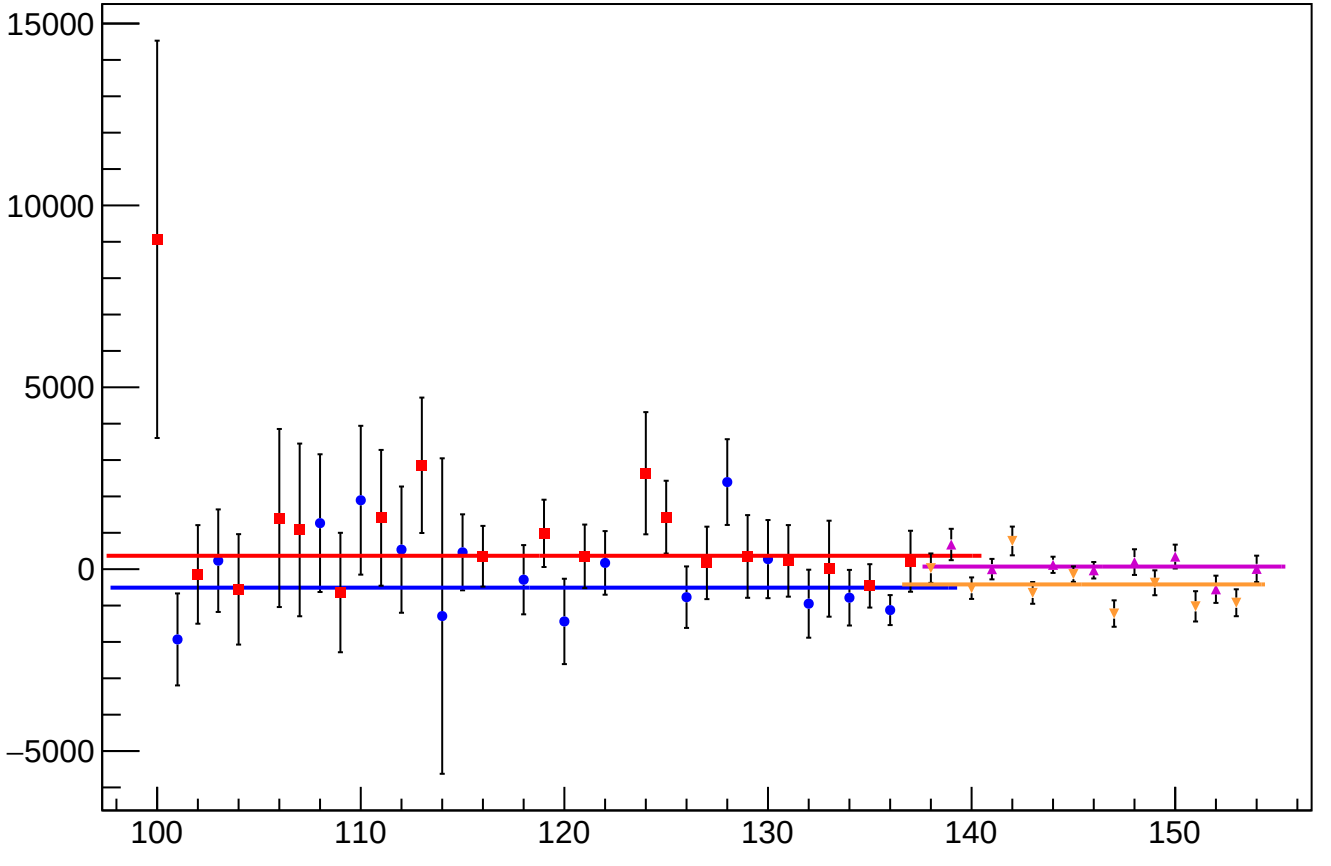
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 55.200+/-0.011 χ^2/NDF:2016230.3/23

Out: 55.841+/-0.011 χ^2/NDF:2396739.4/27

All: 55.517+/-0.008 χ^2/NDF: 4414709.8/51

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: 71.506+/-105.553 χ^2/NDF:5.9/7

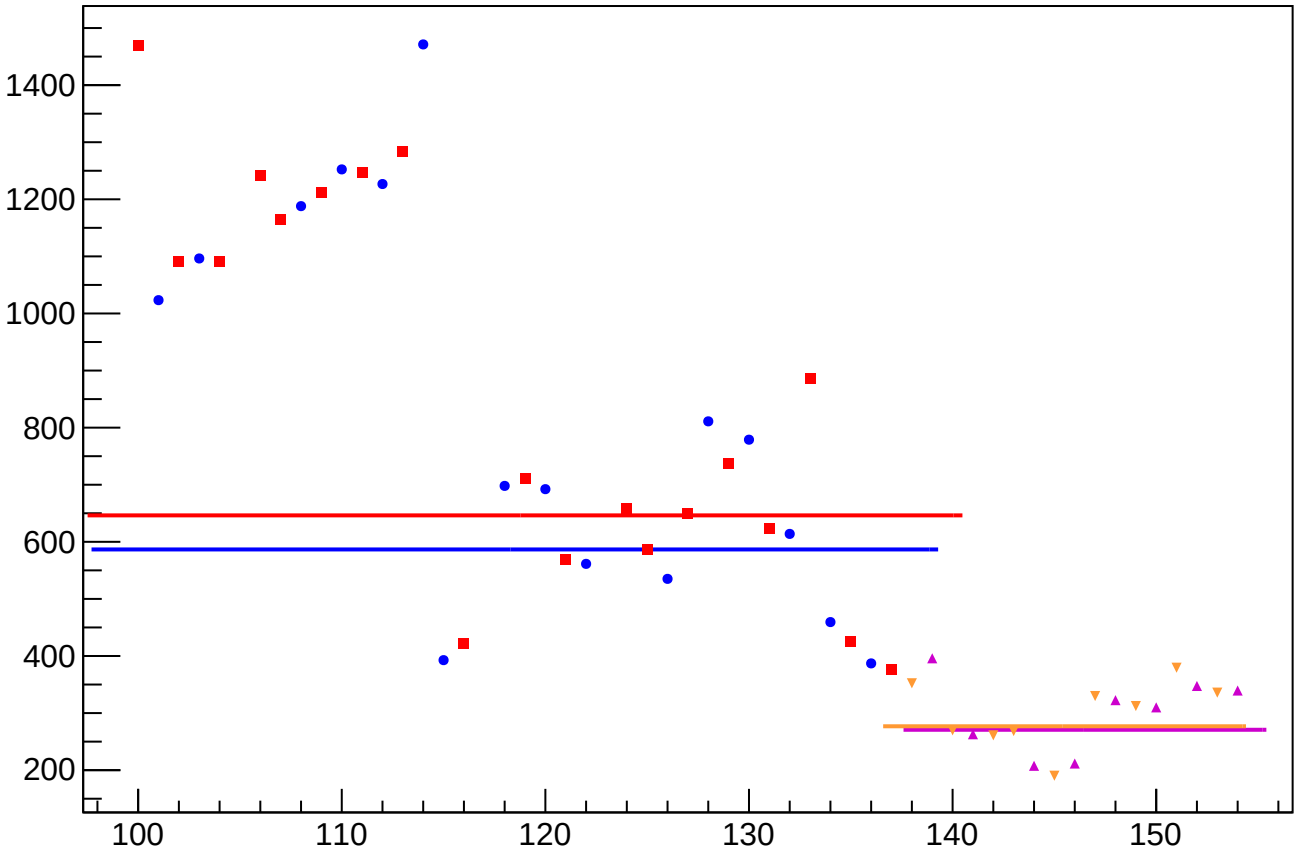
Left: -169.036+/-75.351 χ^2/NDF: 38.2/16

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -24.437+/-96.418 χ^2/NDF:26.6/23

Out: -301.212+/-99.226 χ^2/NDF:41.0/27

All: -158.853+/-69.150 χ^2/NDF: 71.5/51



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: 270.761+/-0.075 χ^2/NDF:694981.0/7

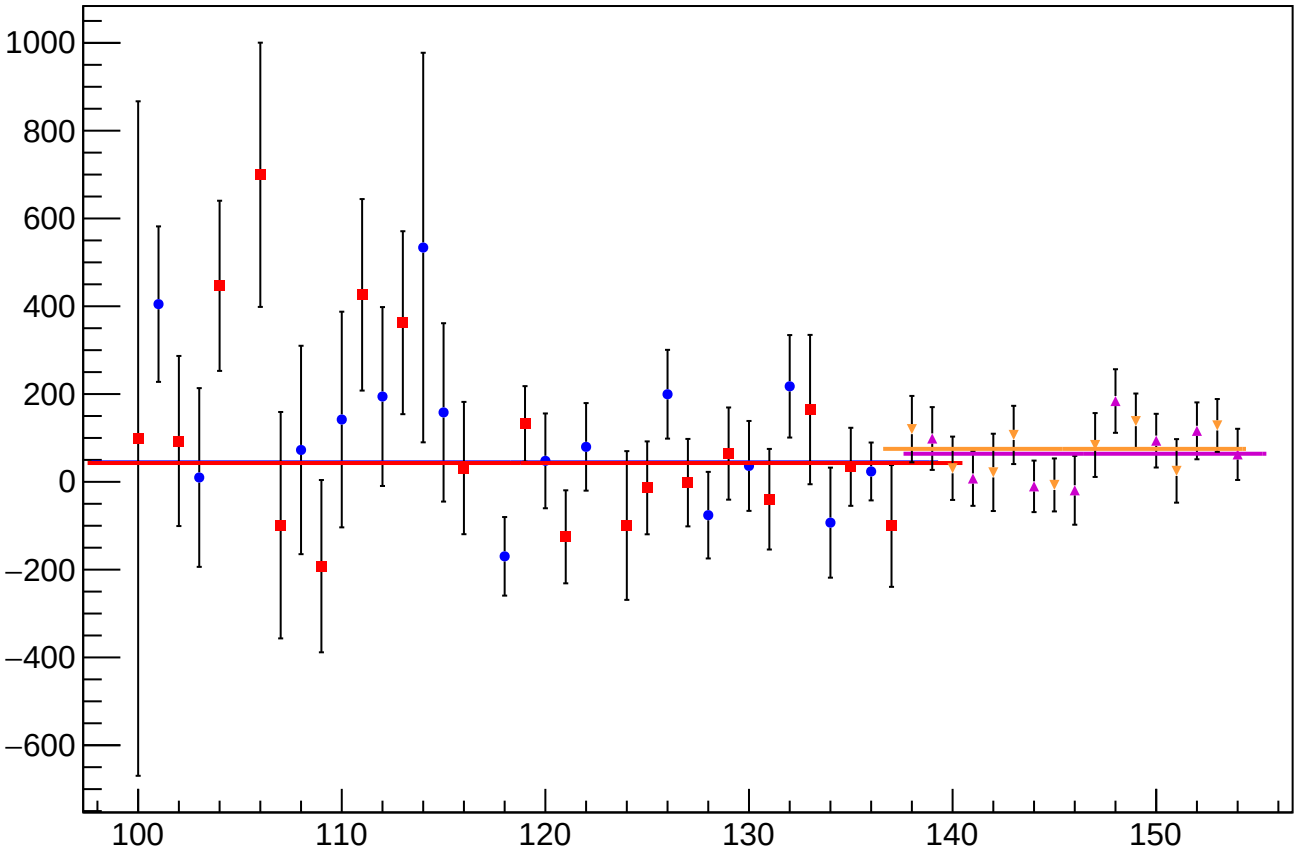
Left: 273.761+/-0.053 χ^2/NDF: 1340213.2/16

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 323.067+/-0.068 χ^2/NDF:5714148.3/23

Out: 332.153+/-0.070 χ^2/NDF:6232609.3/27

All: 327.480+/-0.049 χ^2/NDF: 11955382.9/51



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: 64.028+/-22.963 χ^2/NDF:7.4/7

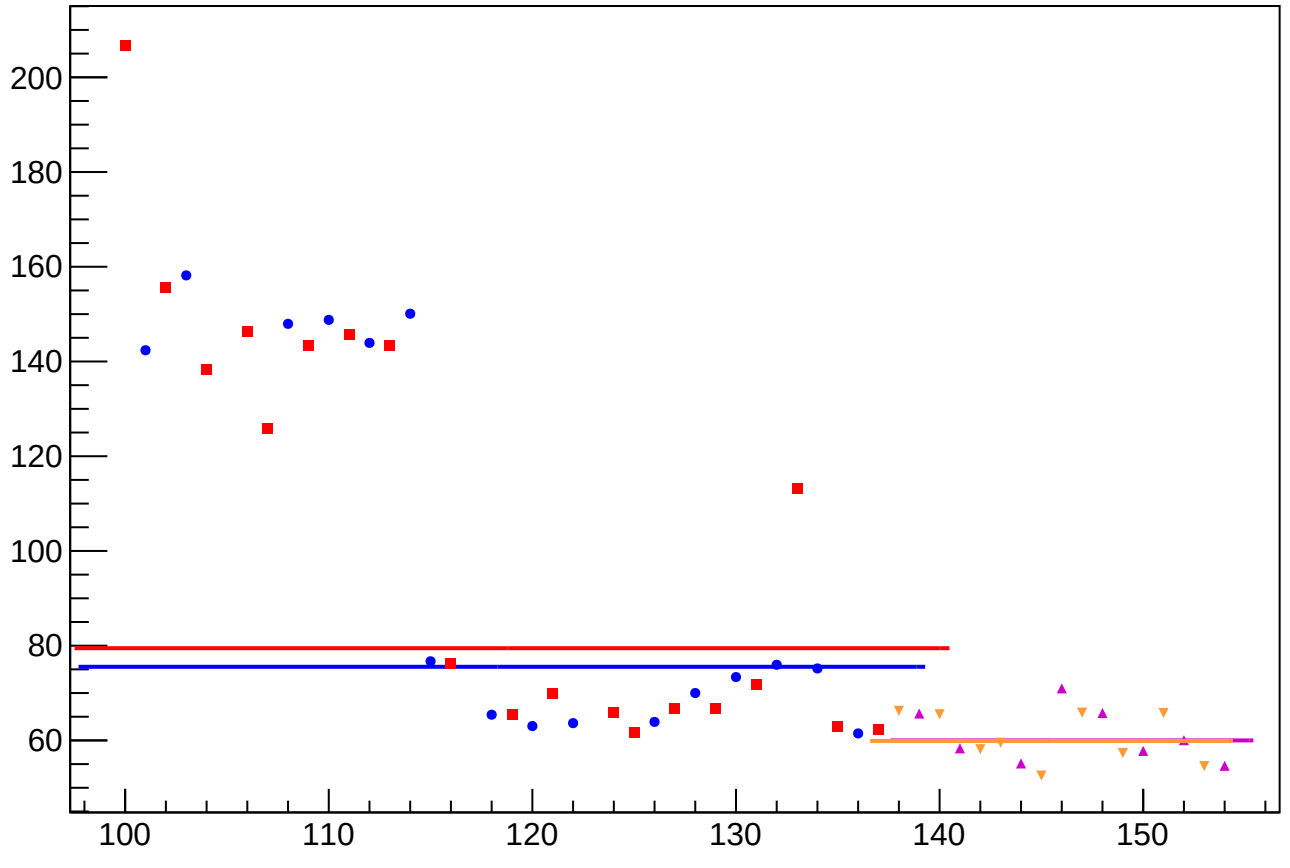
Left: 69.597+/-16.214 χ^2/NDF: 13.0/16

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 56.744+/-18.214 χ^2/NDF:27.3/23

Out: 63.873+/-18.470 χ^2/NDF:29.5/27

All: 60.259+/-12.969 χ^2/NDF: 56.8/51



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: 60.000+/-0.016 χ^2/NDF:99308.5/7

Left: 59.946+/-0.011 χ^2/NDF: 201595.0/16

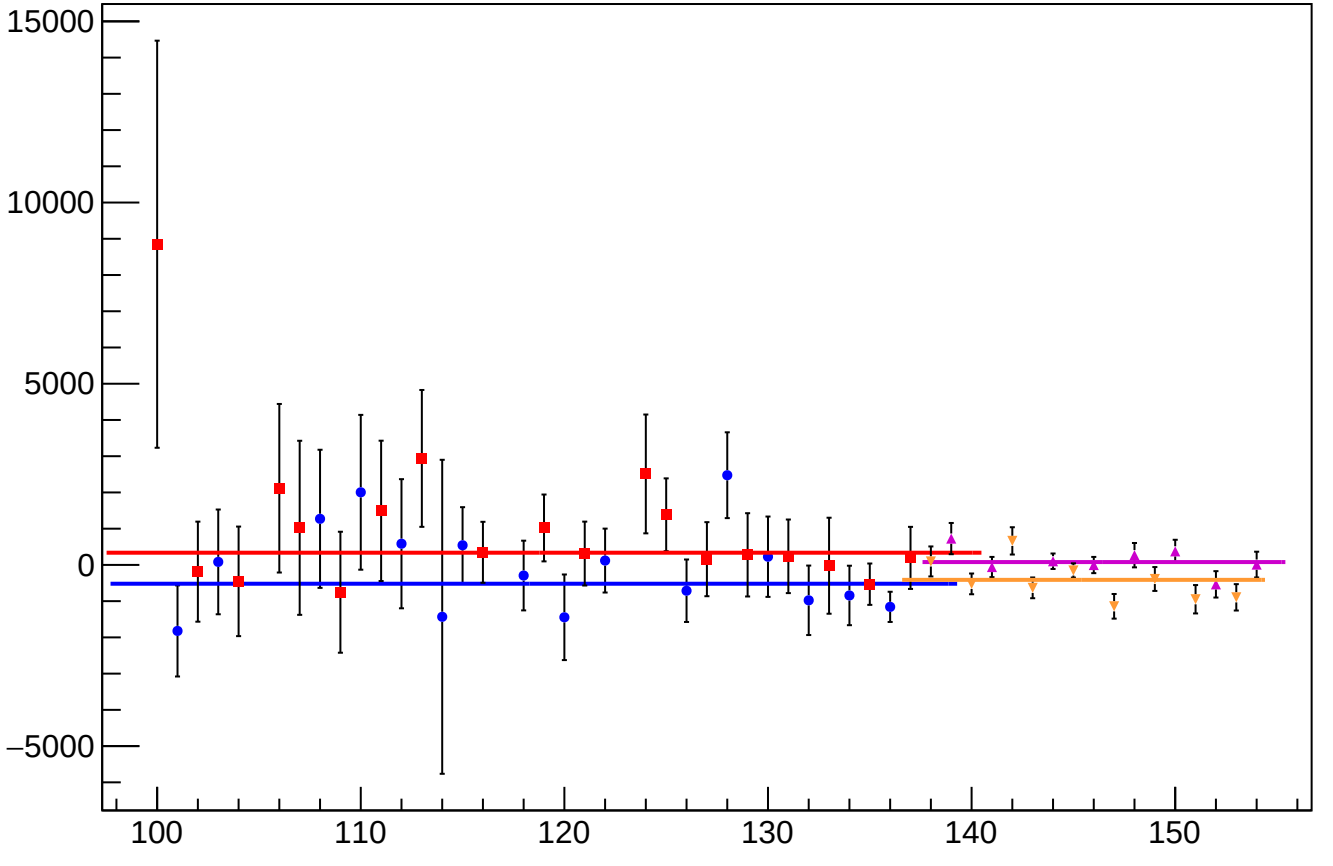
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 65.764+/-0.013 χ^2/NDF:1904766.4/23

Out: 66.731+/-0.013 χ^2/NDF:2296396.5/27

All: 66.241+/-0.009 χ^2/NDF: 4203941.1/51

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: 78.521+/-103.012 χ^2/NDF:6.7/7

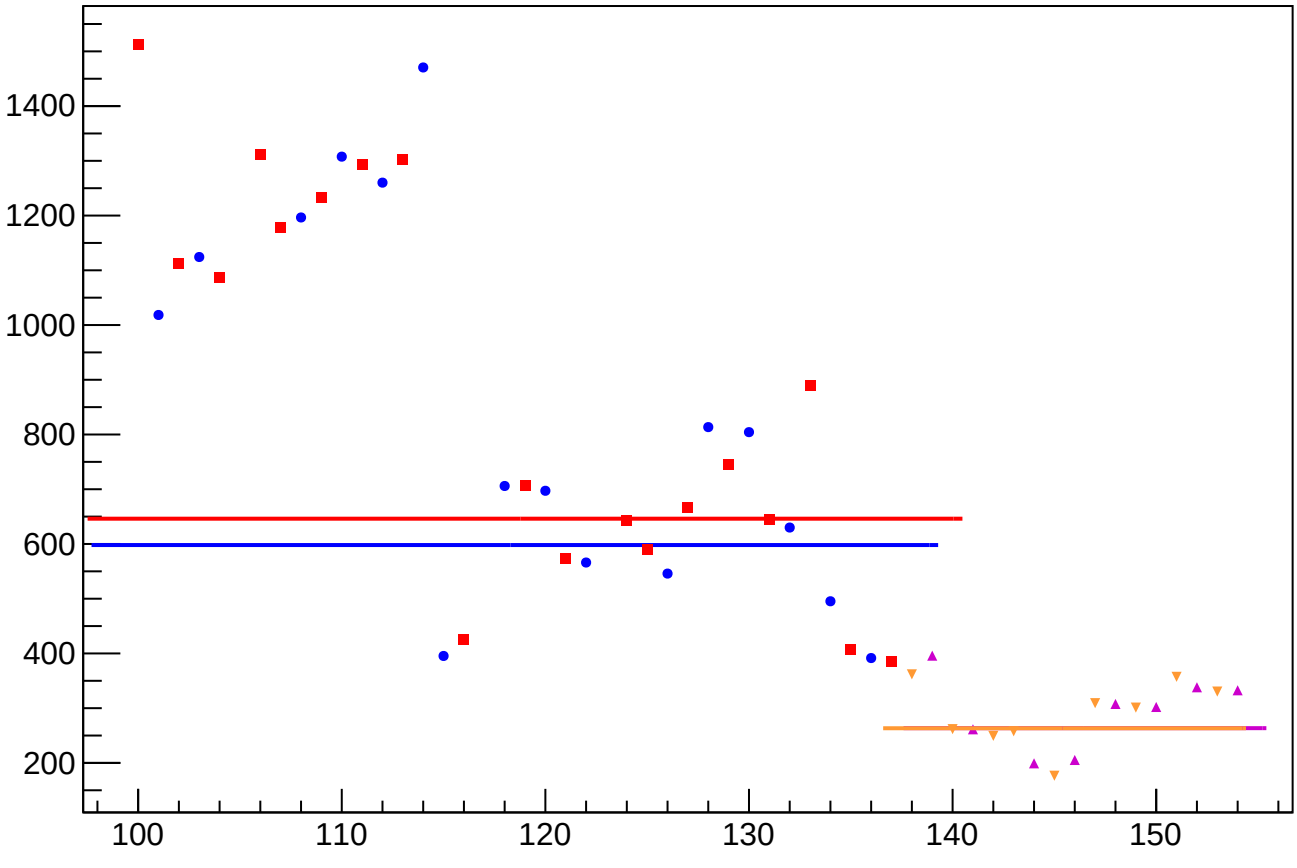
Left: -168.123+/-72.661 χ^2/NDF: 38.5/16

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -13.617+/-94.741 χ^2/NDF:27.7/23

Out: -309.268+/-95.191 χ^2/NDF:39.7/27

All: -160.742+/-67.151 χ^2/NDF: 72.2/51



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: 263.477+/-0.073 χ^2/NDF:729115.0/7

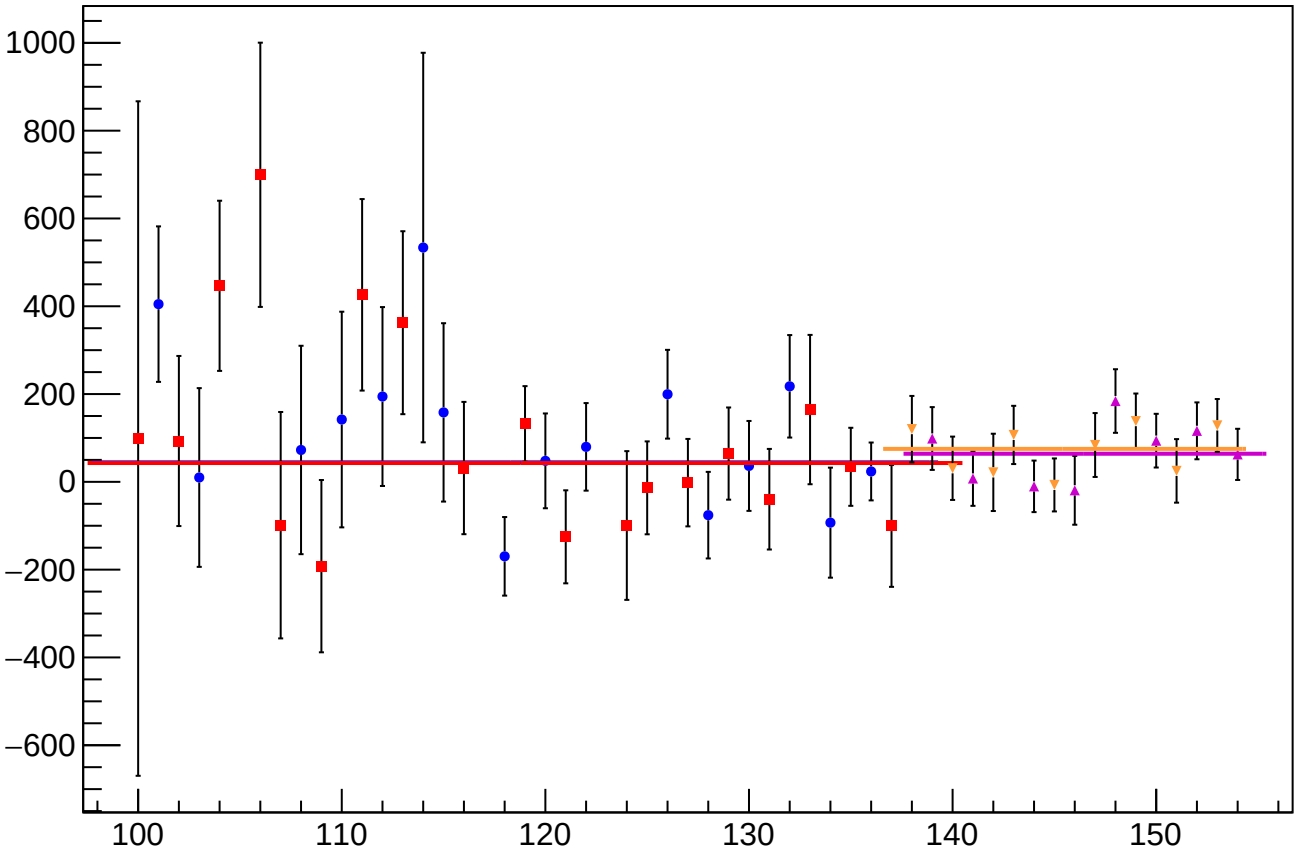
Left: 263.397+/-0.051 χ^2/NDF: 1481876.1/16

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 315.046+/-0.067 χ^2/NDF:6028724.1/23

Out: 316.001+/-0.067 χ^2/NDF:6797684.3/27

All: 315.521+/-0.047 χ^2/NDF: 12826509.6/51



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: 64.027+/-22.963 χ^2/NDF:7.4/7

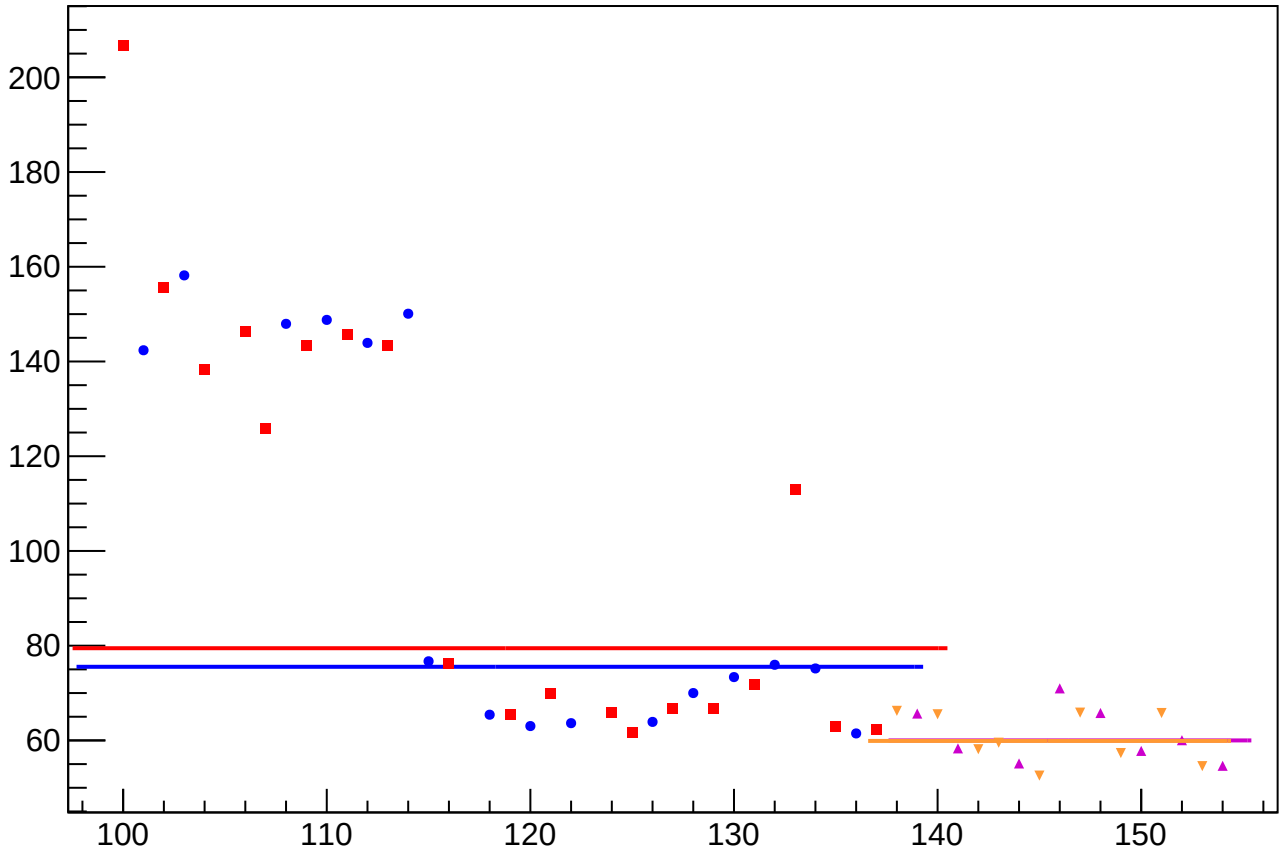
Left: 69.596+/-16.214 χ^2/NDF: 13.0/16

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 56.744+/-18.214 χ^2/NDF:27.3/23

Out: 63.872+/-18.470 χ^2/NDF:29.5/27

All: 60.258+/-12.969 χ^2/NDF: 56.8/51



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: 60.000+/-0.016 χ^2/NDF:99309.2/7

Left: 59.946+/-0.011 χ^2/NDF: 201594.3/16

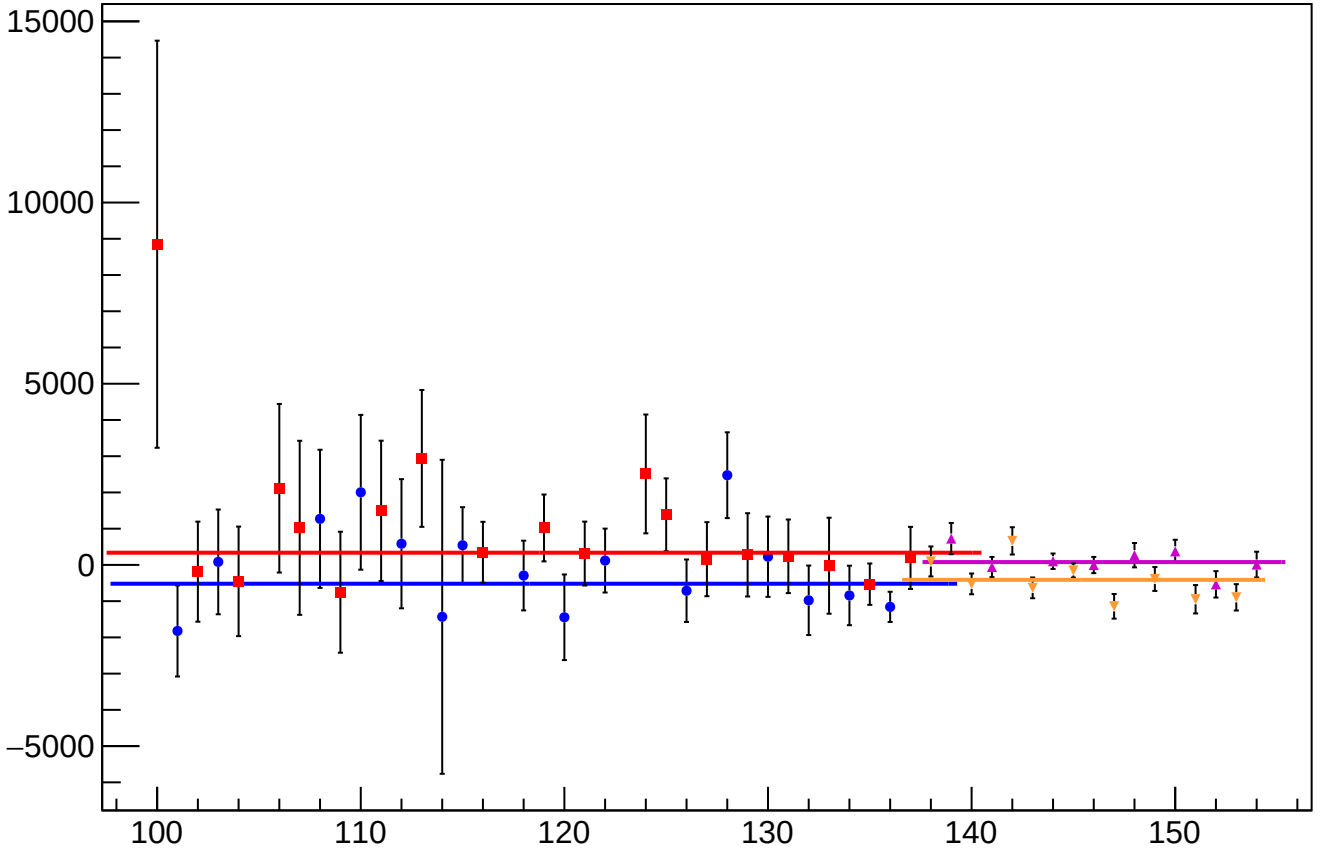
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 65.765+/-0.013 χ^2/NDF:1904731.1/23

Out: 66.731+/-0.013 χ^2/NDF:2296363.3/27

All: 66.241+/-0.009 χ^2/NDF: 4203872.7/51

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: 78.521+/-103.012 χ^2/NDF:6.7/7

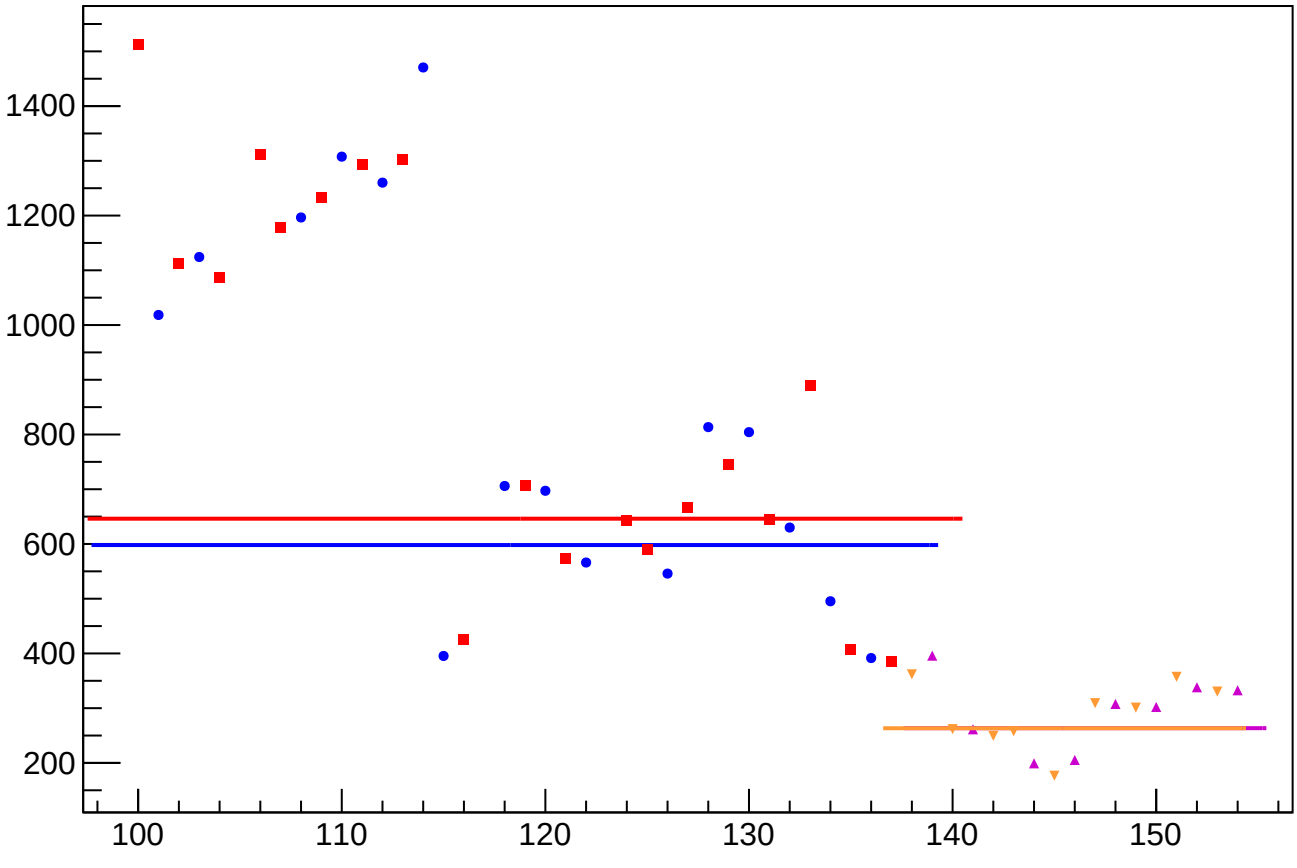
Left: -168.123+/-72.660 χ^2/NDF: 38.5/16

Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -13.617+/-94.741 χ^2/NDF:27.7/23

Out: -309.269+/-95.191 χ^2/NDF:39.7/27

All: -160.742+/-67.151 χ^2/NDF: 72.2/51



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: 263.477+/-0.073 χ^2/NDF:729112.3/7

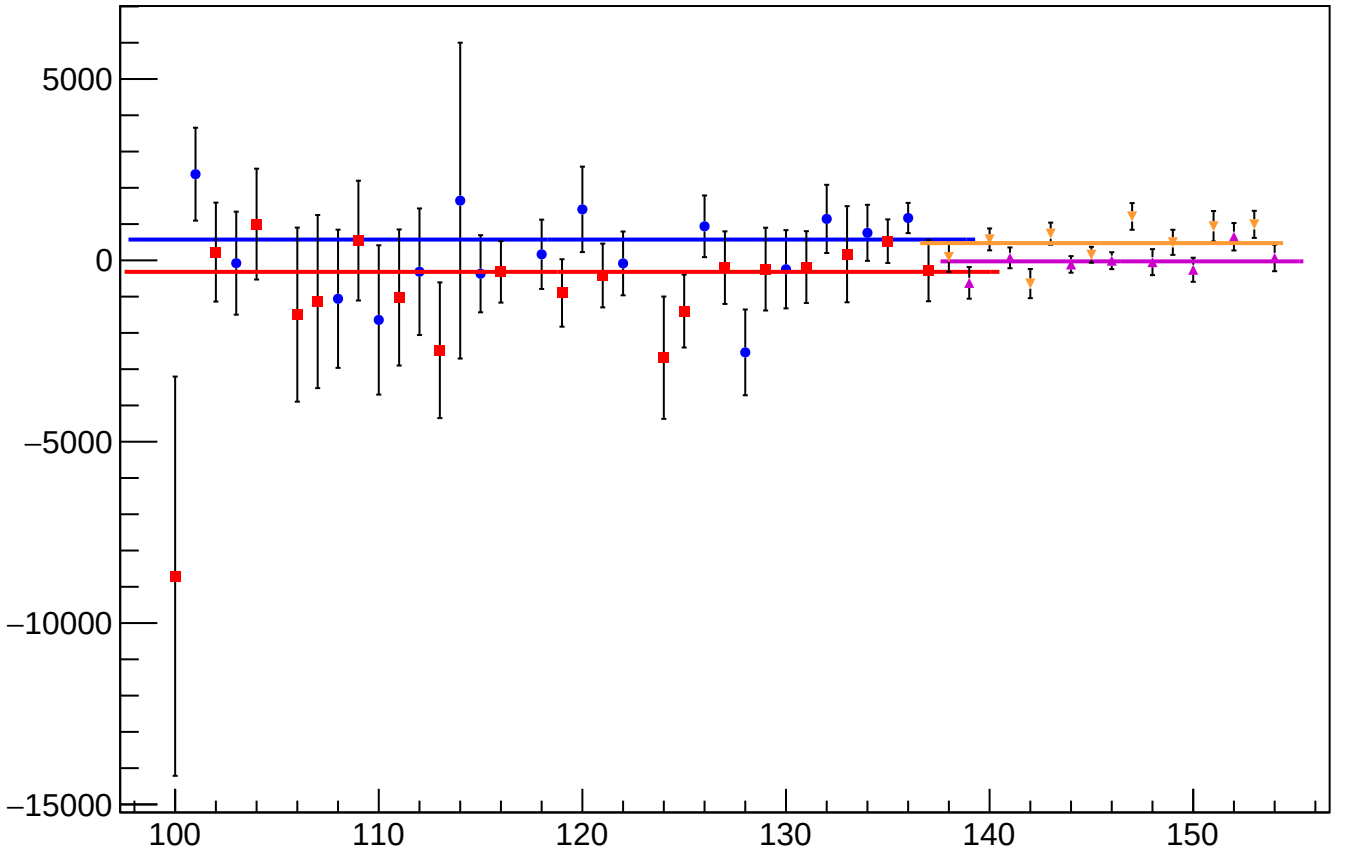
Left: 263.397+/-0.051 χ^2/NDF: 1481877.1/16

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 315.046+/-0.067 χ^2/NDF:6028707.7/23

Out: 316.001+/-0.067 χ^2/NDF:6797684.3/27

All: 315.521+/-0.047 χ^2/NDF: 12826493.0/51



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: -27.640+/-107.685 χ^2/NDF:5.9/7

Left: 219.770+/-76.788 χ^2/NDF: 35.4/16

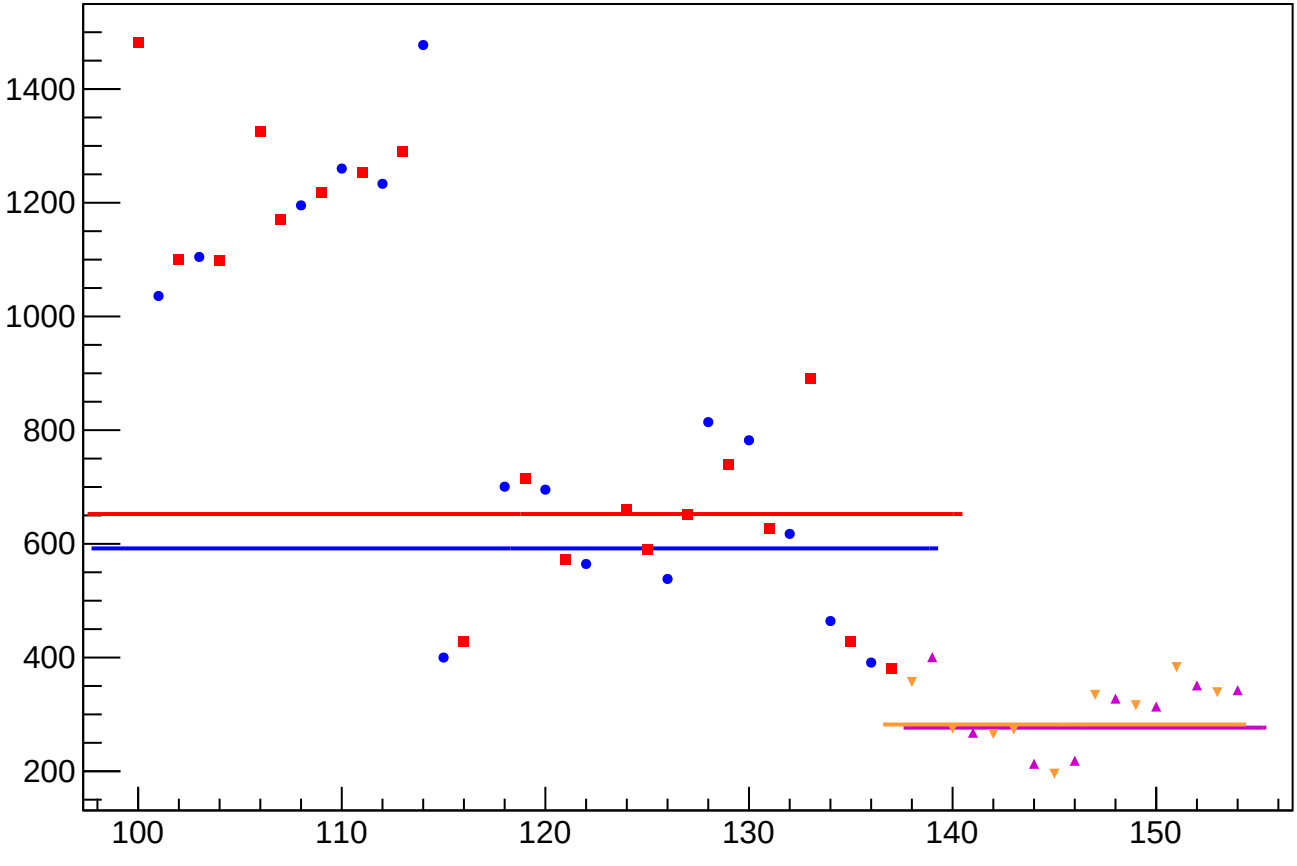
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 73.838+/-98.174 χ^2/NDF:27.7/23

Out: 354.882+/-100.832 χ^2/NDF:37.7/27

All: 210.607+/-70.341 χ^2/NDF: 69.4/51

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: 276.738+/-0.076 χ^2/NDF:649998.1/7

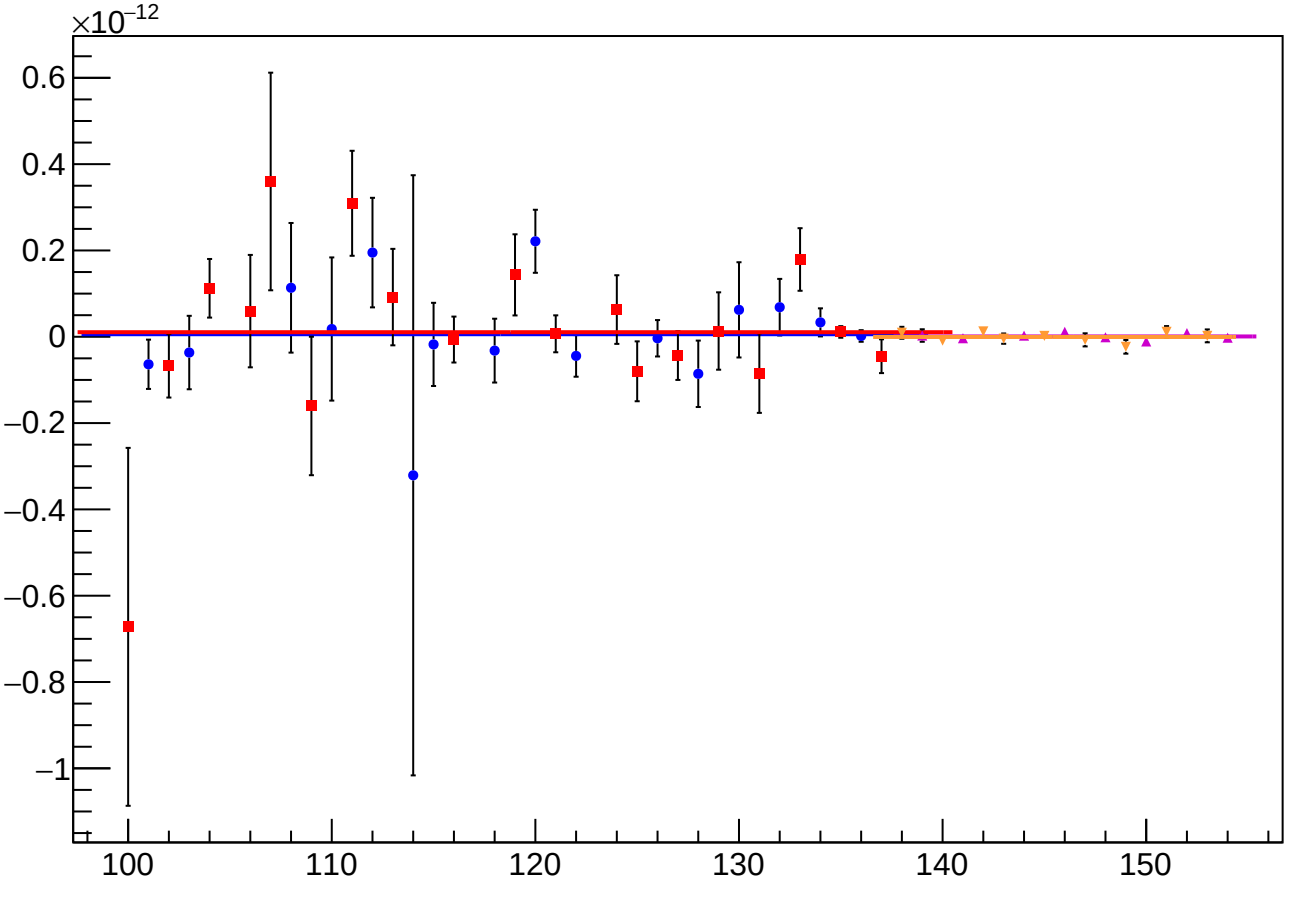
Left: 279.439+/-0.054 χ^2/NDF: 1258064.8/16

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 329.963+/-0.069 χ^2/NDF:5579547.5/23

Out: 338.678+/-0.071 χ^2/NDF:6179522.6/27

All: 334.204+/-0.050 χ^2/NDF: 11766738.4/51



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:3.5/7

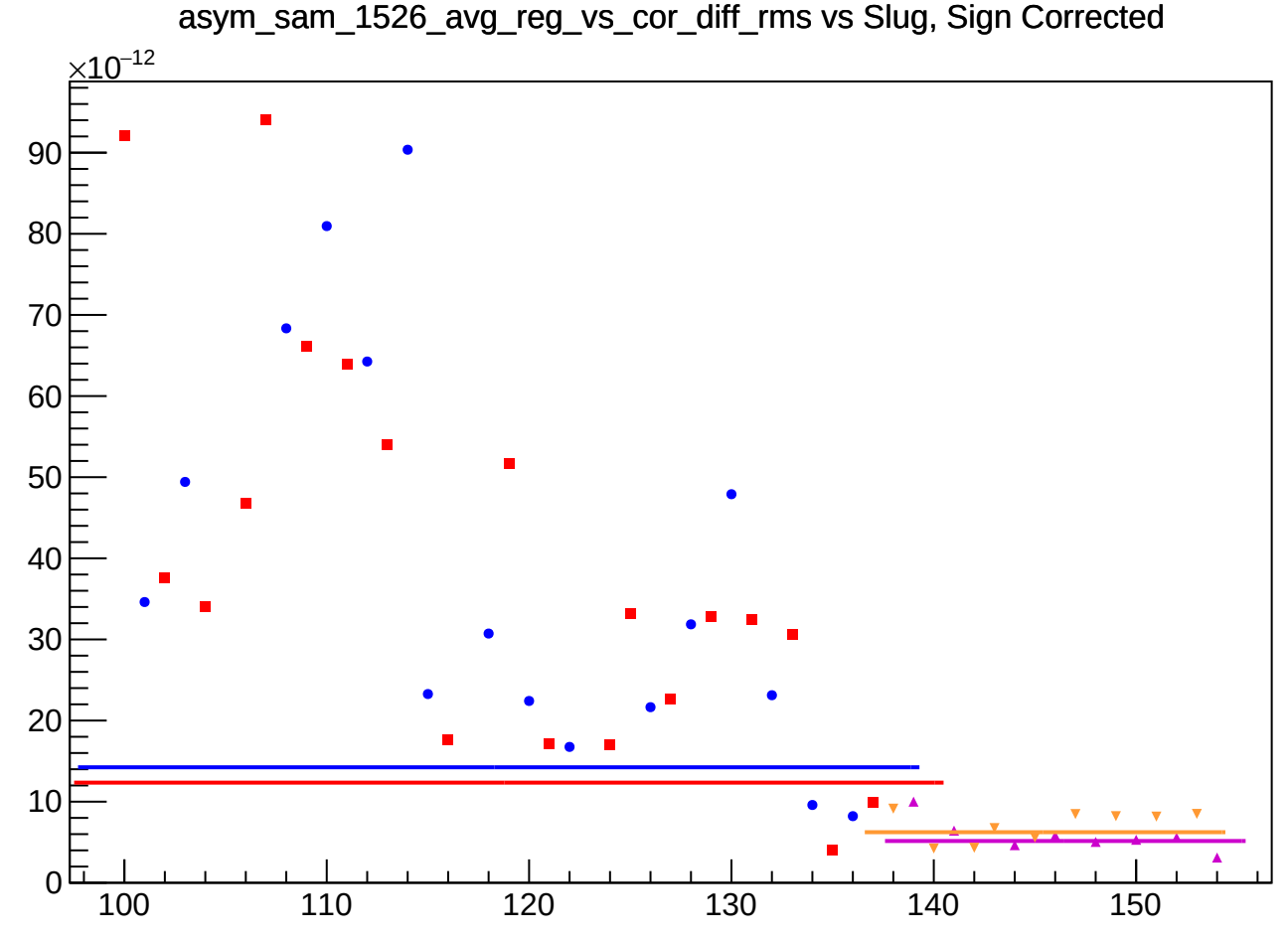
Left: 0.000+/-0.000 χ^2/NDF: 9.9/16

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:21.9/23

Out: 0.000+/-0.000 χ^2/NDF:36.8/27

All: 0.000+/-0.000 χ^2/NDF: 58.7/51



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:406270.1/7

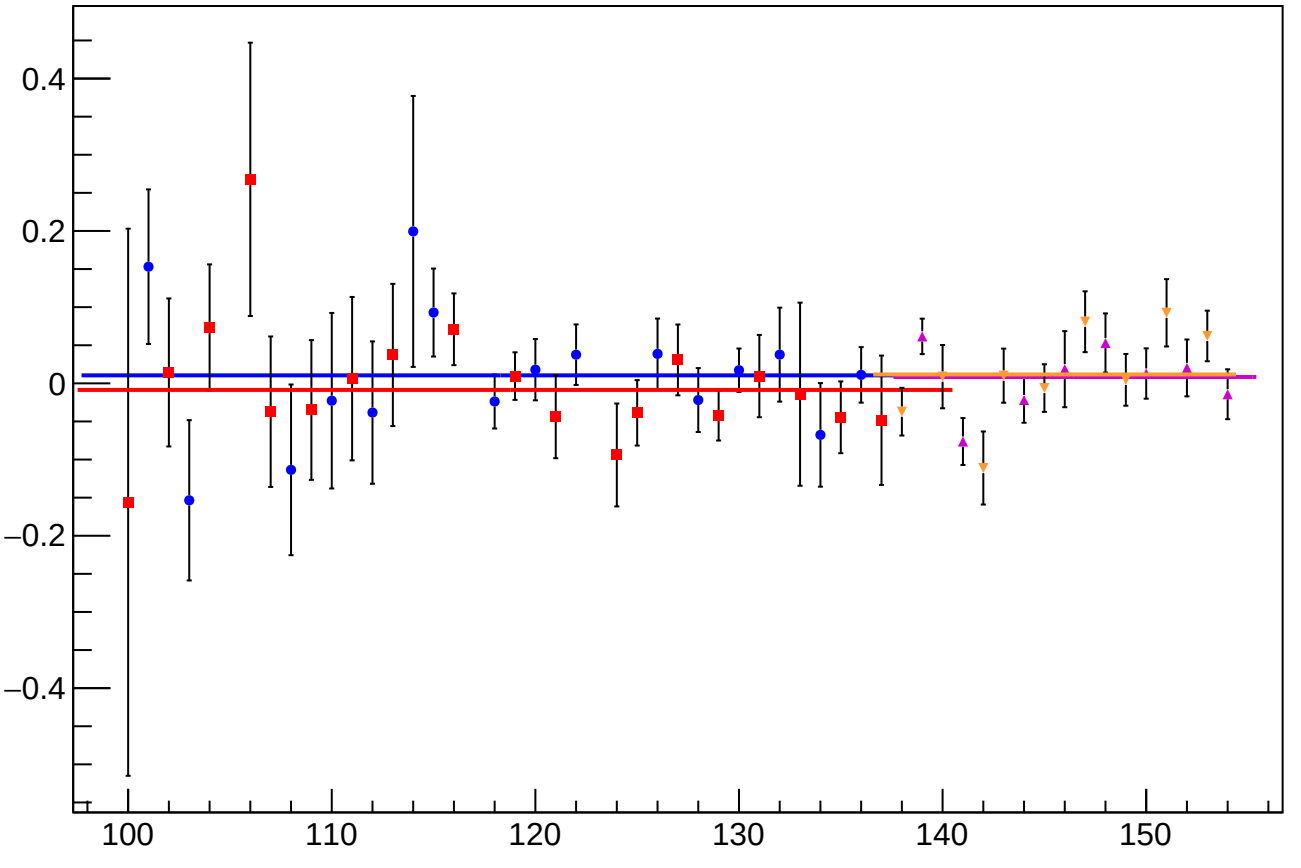
Left: 0.000+/-0.000 χ^2/NDF: 950989.2/16

Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:4250364.6/23

Out: 0.000+/-0.000 χ^2/NDF:4521177.5/27

All: 0.000+/-0.000 χ^2/NDF: 8846807.6/51



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: 0.008+/-0.011 χ^2/NDF:15.8/7

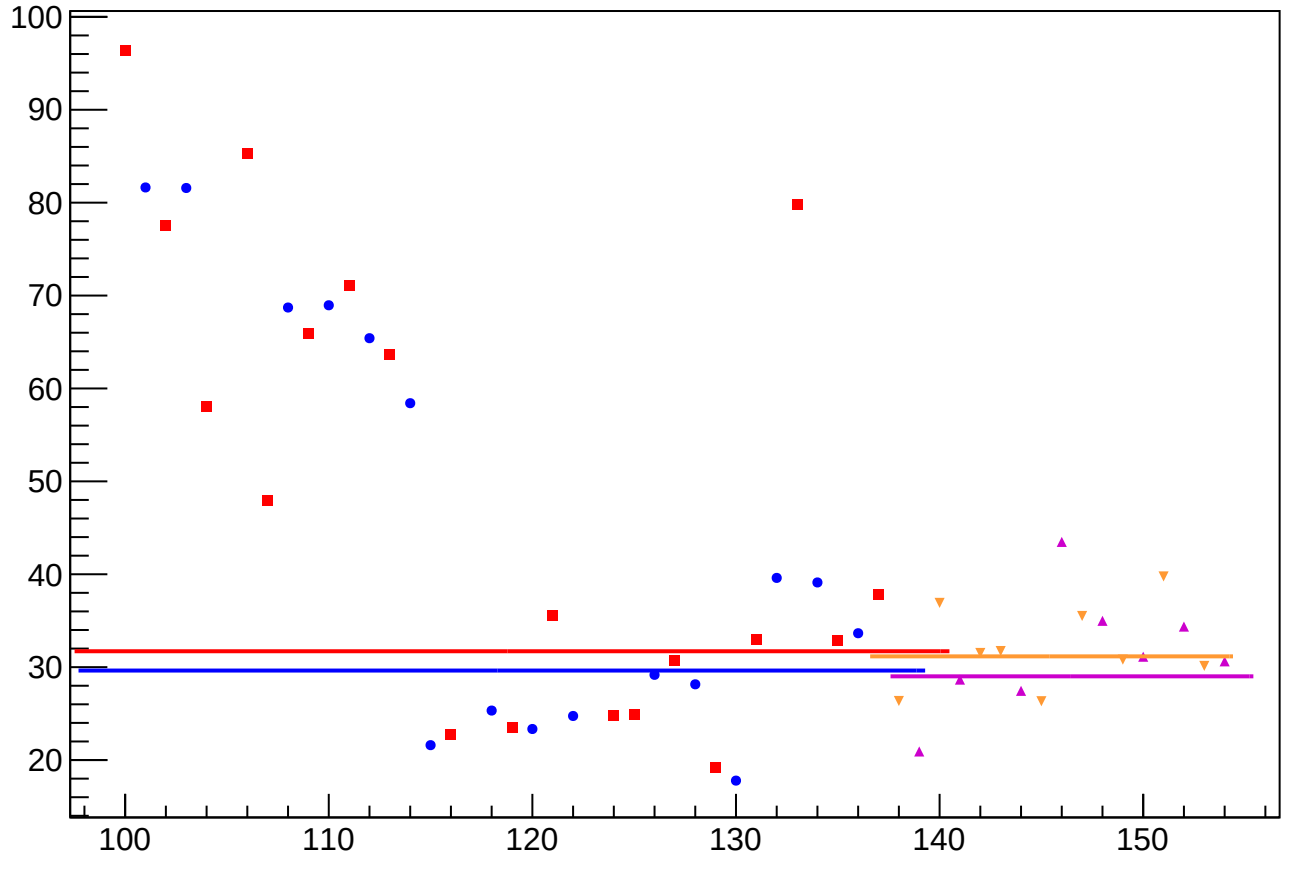
Left: 0.010+/-0.008 χ^2/NDF: 33.9/16

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.009+/-0.008 χ^2/NDF:28.9/23

Out: 0.002+/-0.009 χ^2/NDF:31.7/27

All: 0.006+/-0.006 χ^2/NDF: 61.0/51



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.161+/-0.009 χ^2/NDF:235530.4/8

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.012+/-0.008 χ^2/NDF:516657.5/7

Left: 30.020+/-0.006 χ^2/NDF: 785369.0/16

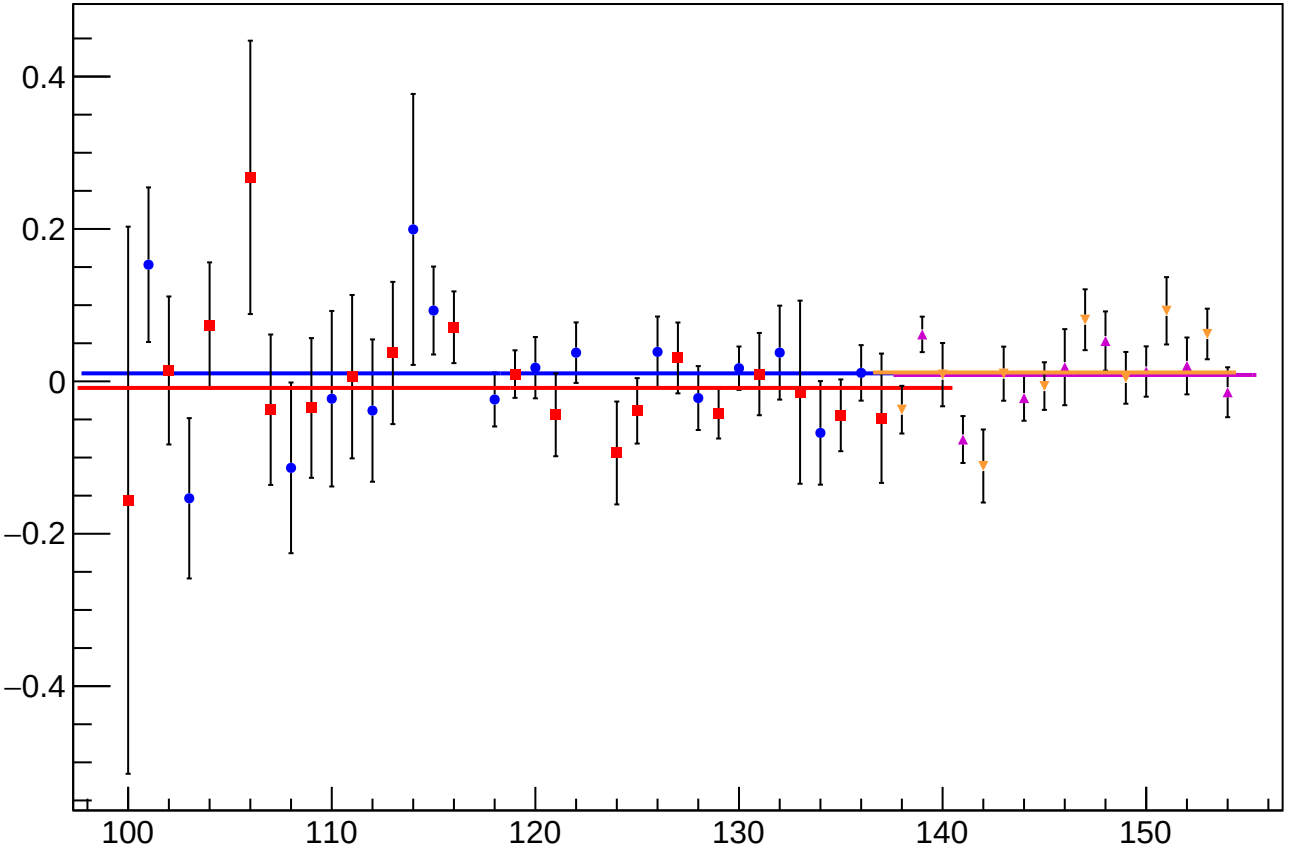
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.294+/-0.006 χ^2/NDF:2967813.2/23

Out: 31.413+/-0.006 χ^2/NDF:2888878.7/27

All: 30.293+/-0.004 χ^2/NDF: 5915925.7/51

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: 0.008+/-0.011 χ^2/NDF:15.8/7

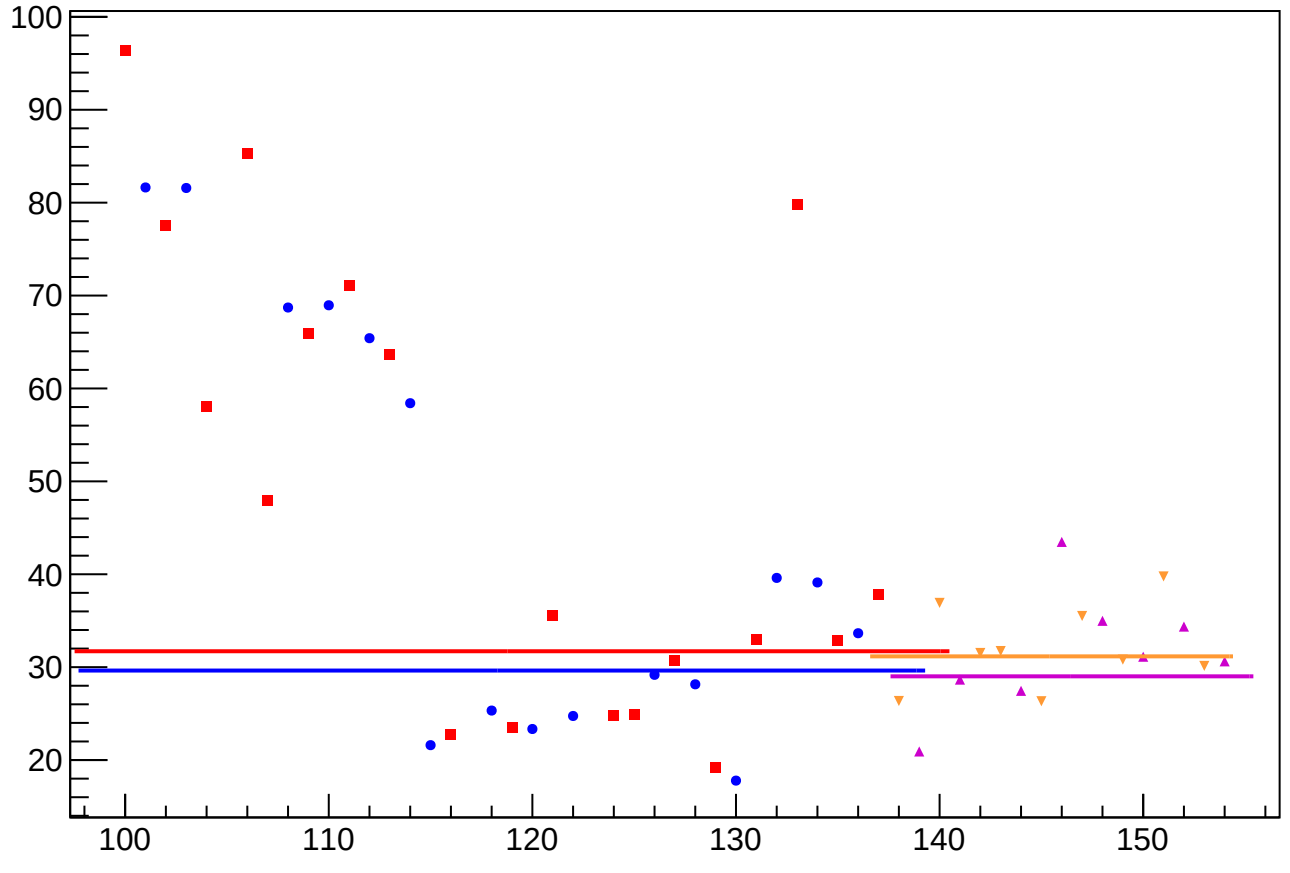
Left: 0.010+/-0.008 χ^2/NDF: 33.9/16

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.009+/-0.008 χ^2/NDF:28.9/23

Out: 0.002+/-0.009 χ^2/NDF:31.7/27

All: 0.006+/-0.006 χ^2/NDF: 61.0/51



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.161+/-0.009 χ^2/NDF:235530.4/8

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.012+/-0.008 χ^2/NDF:516657.5/7

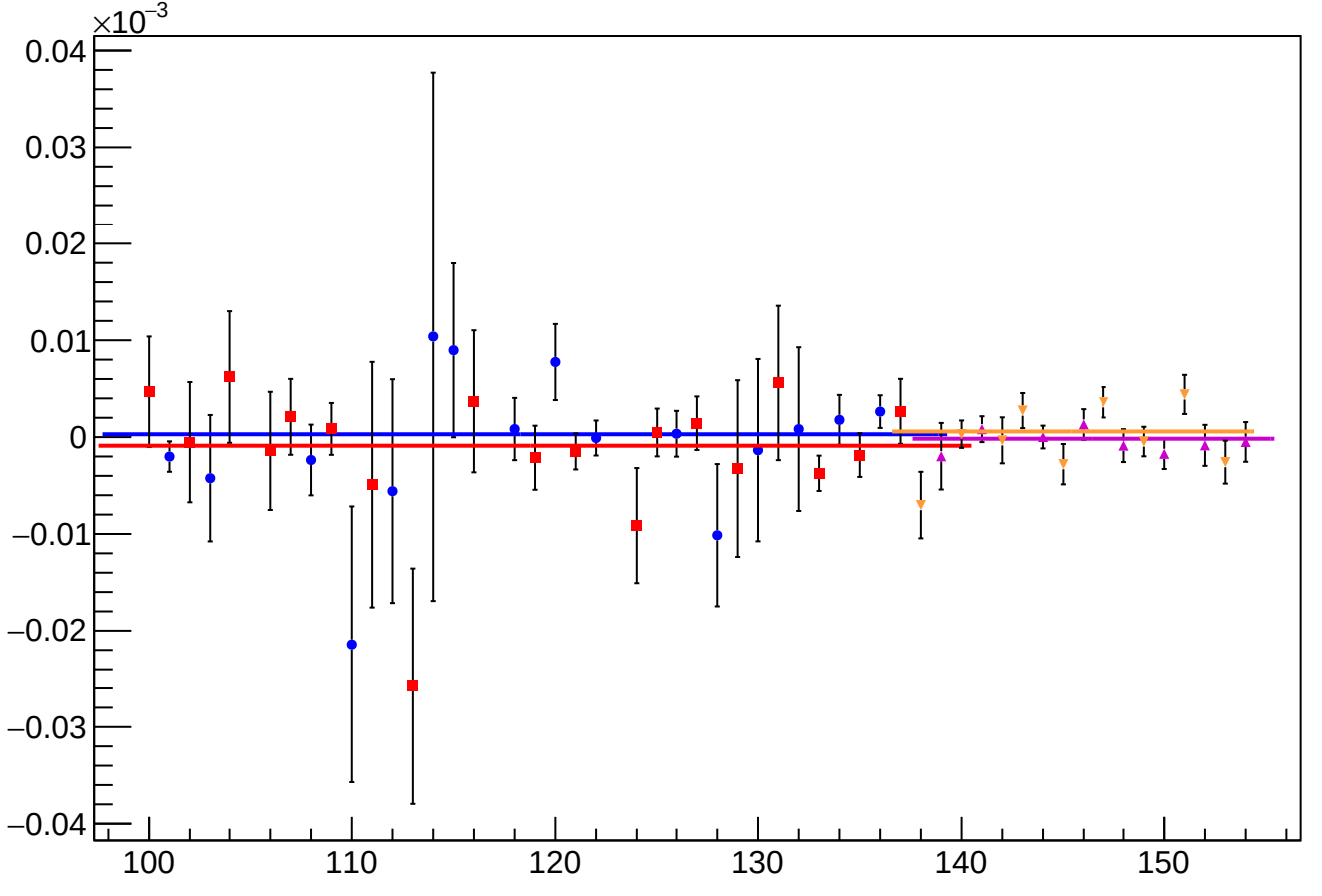
Left: 30.020+/-0.006 χ^2/NDF: 785369.0/16

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.294+/-0.006 χ^2/NDF:2967813.2/23

Out: 31.413+/-0.006 χ^2/NDF:2888878.7/27

All: 30.293+/-0.004 χ^2/NDF: 5915925.7/51



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:3.0/7

Left: 0.000+/-0.000 χ^2/NDF: 22.7/16

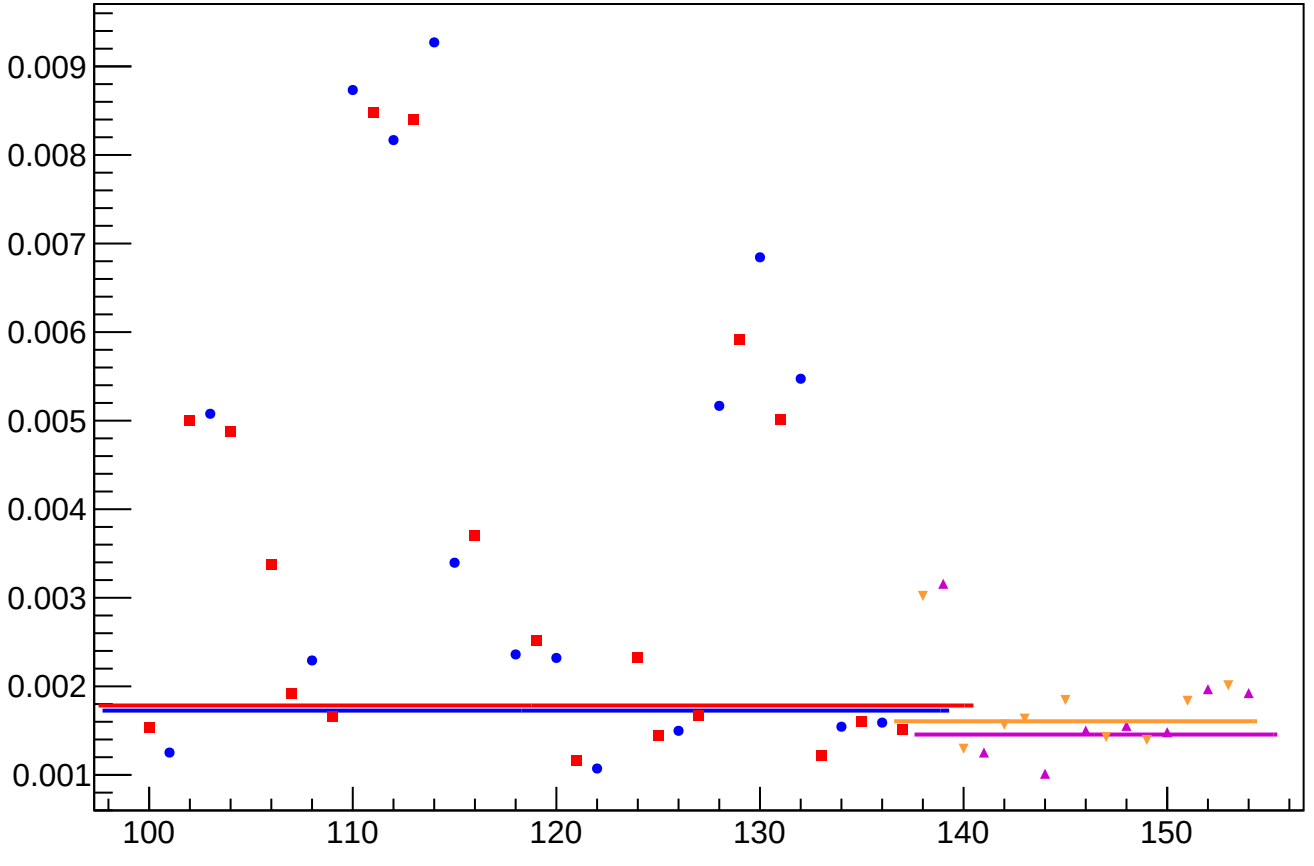
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:18.0/23

Out: 0.000+/-0.000 χ^2/NDF:36.5/27

All: 0.000+/-0.000 χ^2/NDF: 54.5/51

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-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:1049955.6/7

Left: 0.002+/-0.000 χ^2/NDF: 1732450.1/16

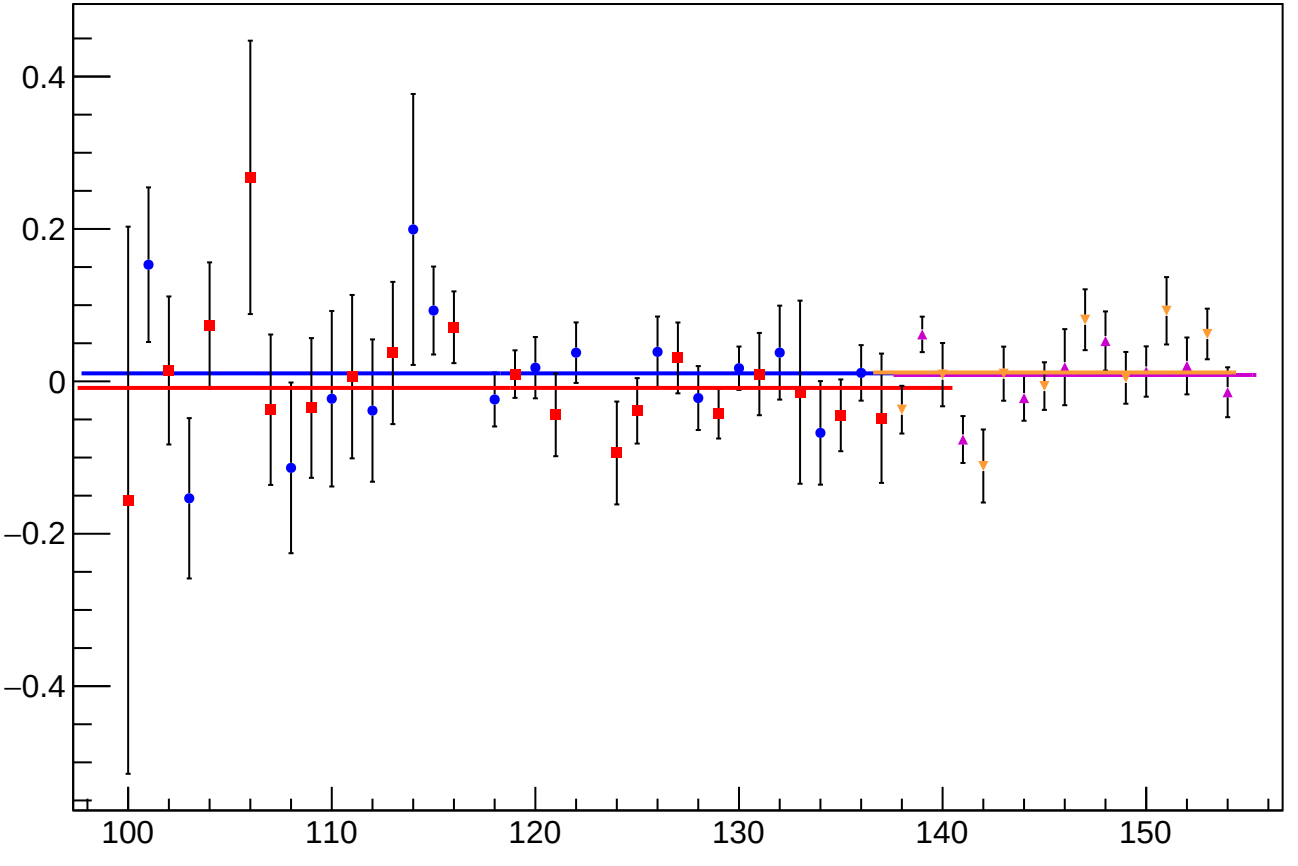
Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5141945.3/23

Out: 0.002+/-0.000 χ^2/NDF:4403472.7/27

All: 0.002+/-0.000 χ^2/NDF: 9610275.9/51

asym_sam_1526_avg_eigen_dit_vs_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: 0.008+/-0.011 χ^2/NDF:15.8/7

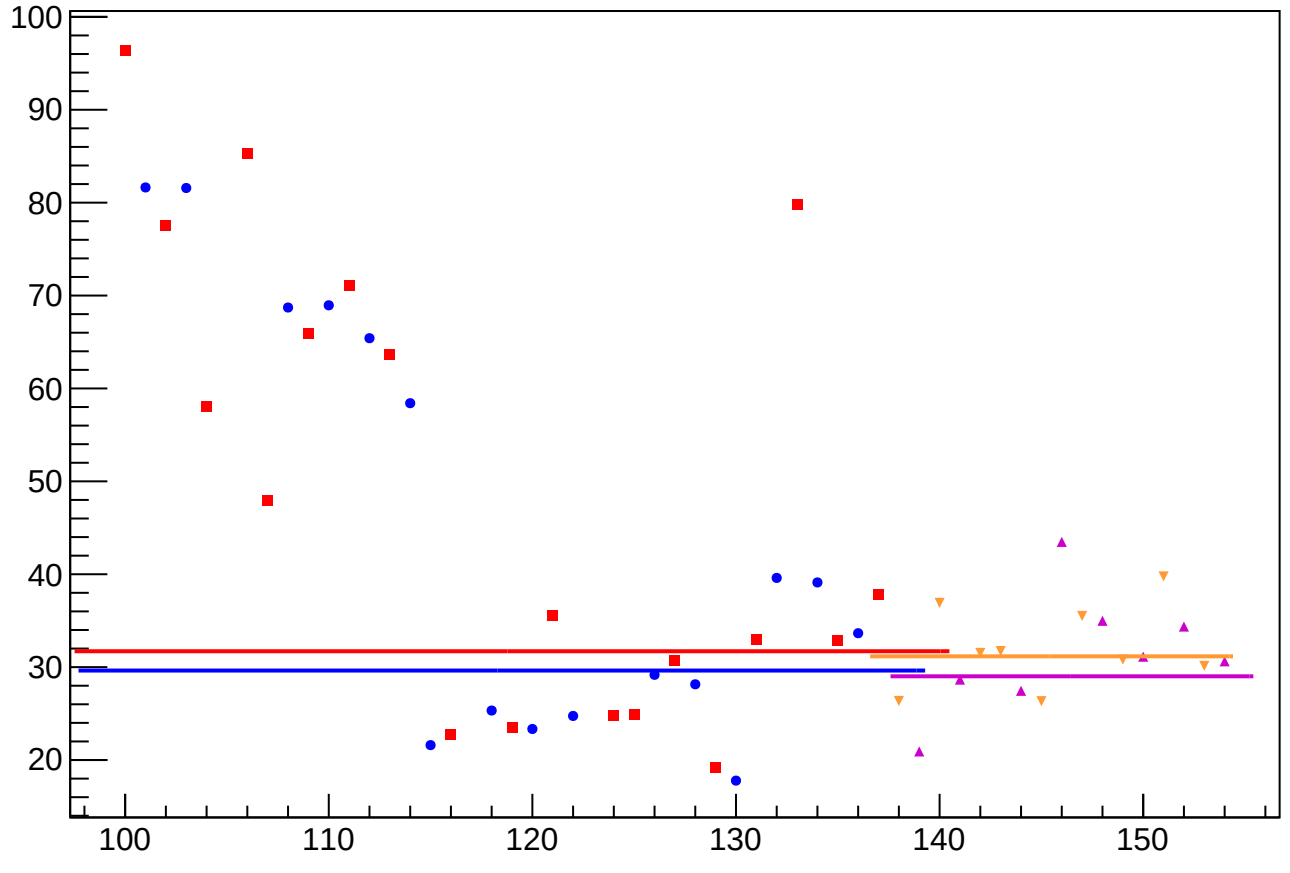
Left: 0.010+/-0.008 χ^2/NDF: 33.9/16

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.009+/-0.008 χ^2/NDF:28.9/23

Out: 0.002+/-0.009 χ^2/NDF:31.7/27

All: 0.006+/-0.006 χ^2/NDF: 61.0/51



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.162+/-0.009 χ^2/NDF:235533.4/8

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.013+/-0.008 χ^2/NDF:516647.8/7

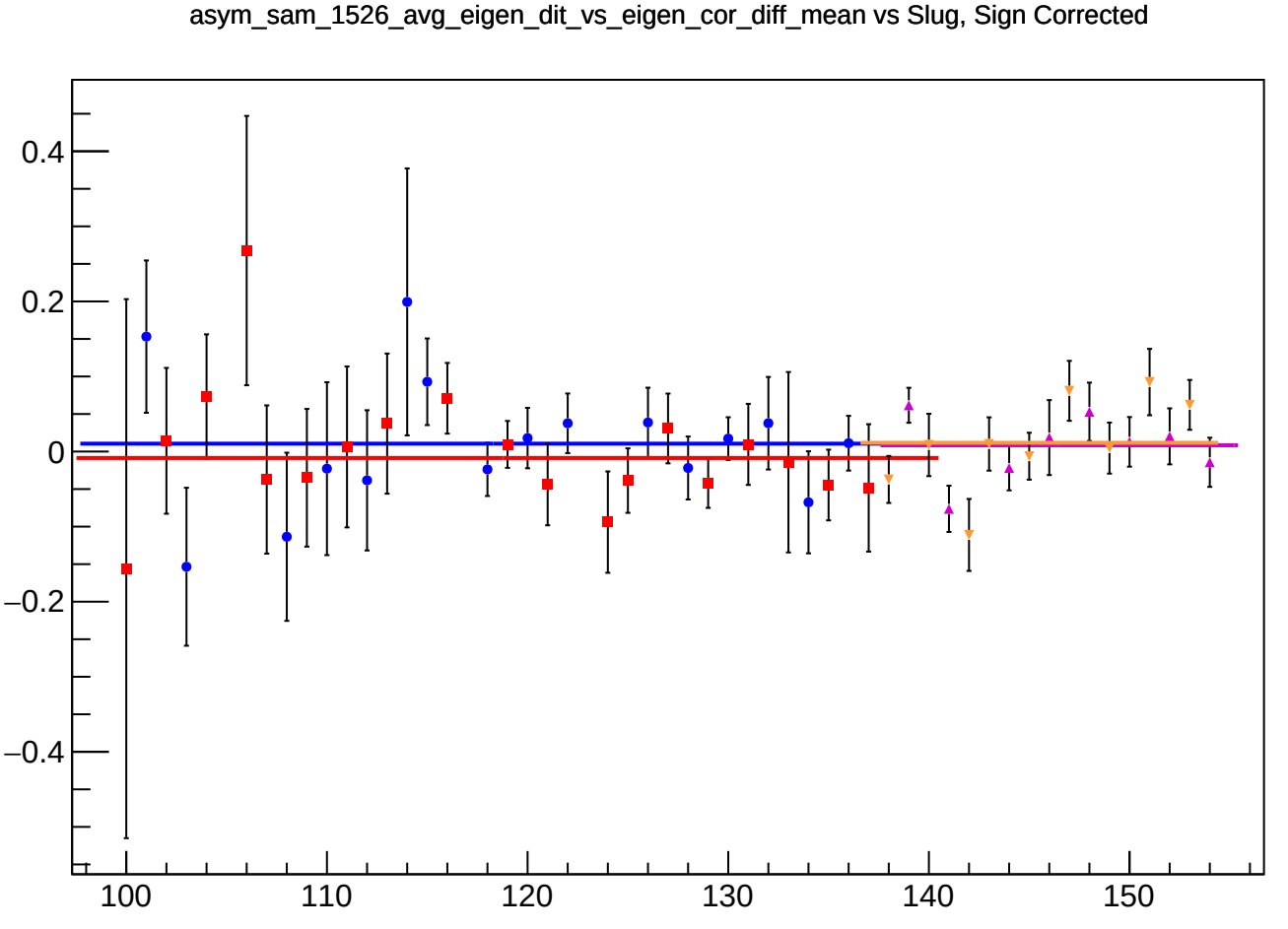
Left: 30.021+/-0.006 χ^2/NDF: 785361.4/16

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.294+/-0.006 χ^2/NDF:2967991.7/23

Out: 31.413+/-0.006 χ^2/NDF:2889038.4/27

All: 30.292+/-0.004 χ^2/NDF: 5916263.7/51



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: 0.008+/-0.011 χ^2/NDF:15.8/7

Left: 0.010+/-0.008 χ^2/NDF: 33.9/16

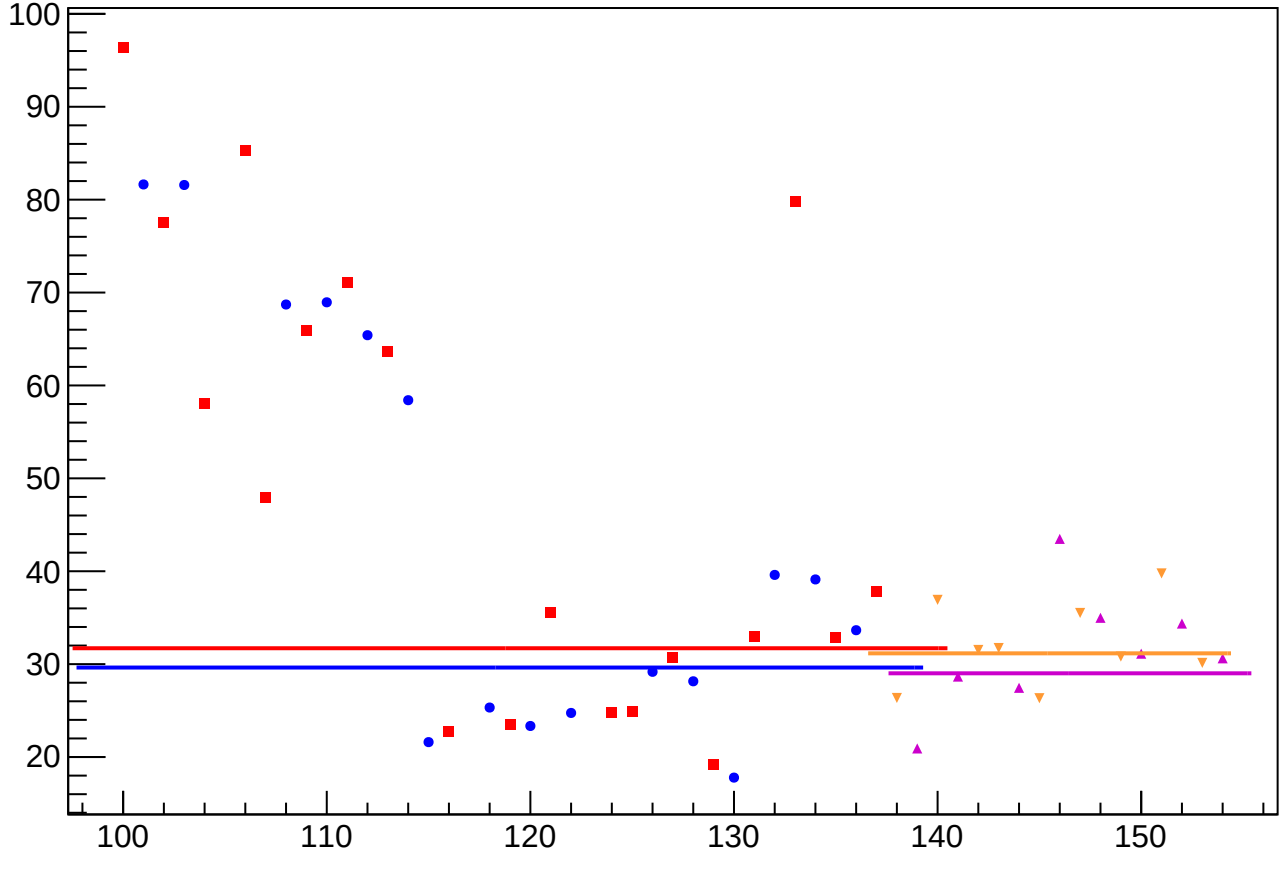
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.009+/-0.008 χ^2/NDF:28.9/23

Out: 0.002+/-0.009 χ^2/NDF:31.7/27

All: 0.006+/-0.006 χ^2/NDF: 61.0/51

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.162+/-0.009 χ^2/NDF:235533.4/8

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.013+/-0.008 χ^2/NDF:516647.8/7

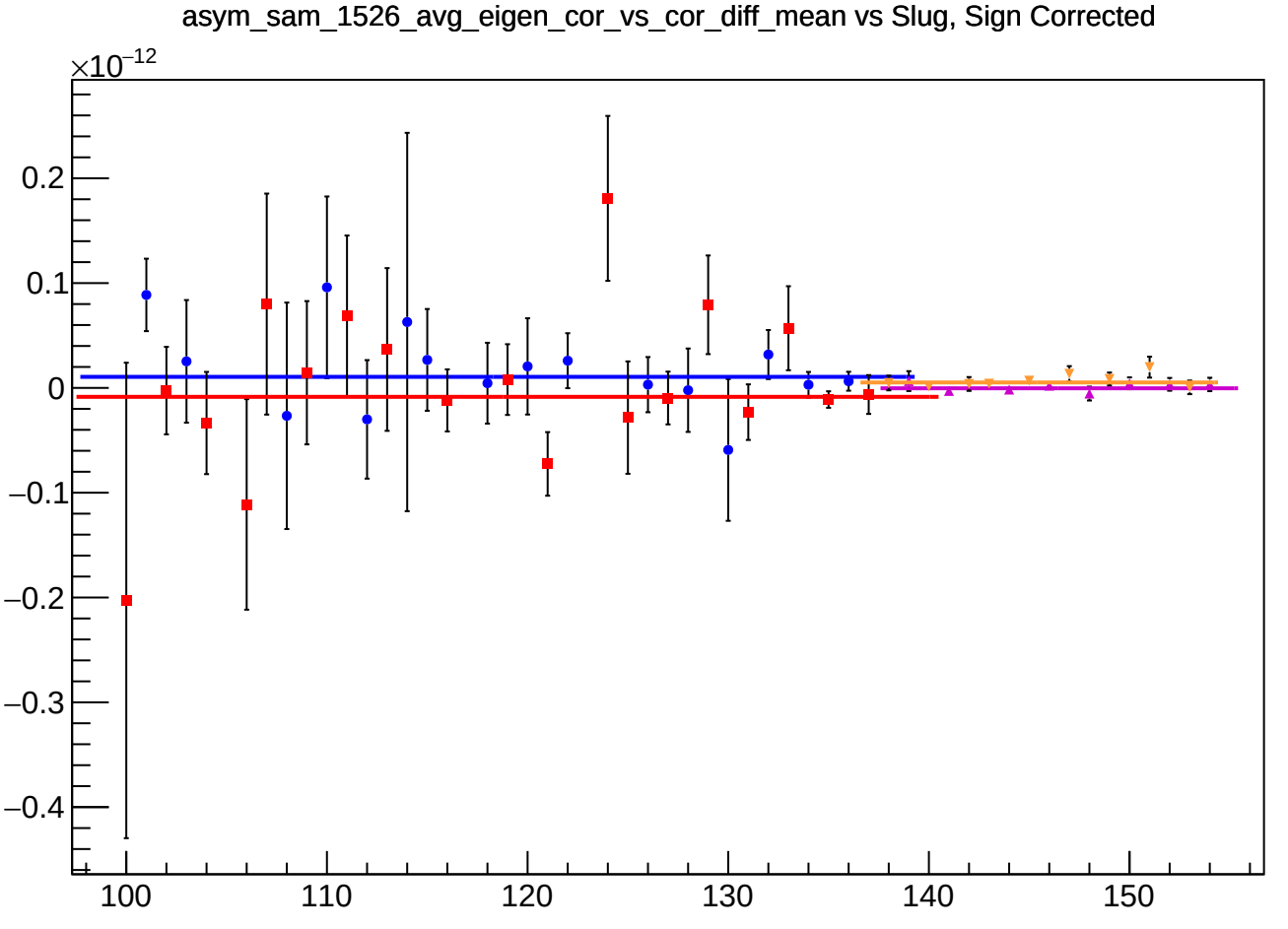
Left: 30.021+/-0.006 χ^2/NDF: 785361.4/16

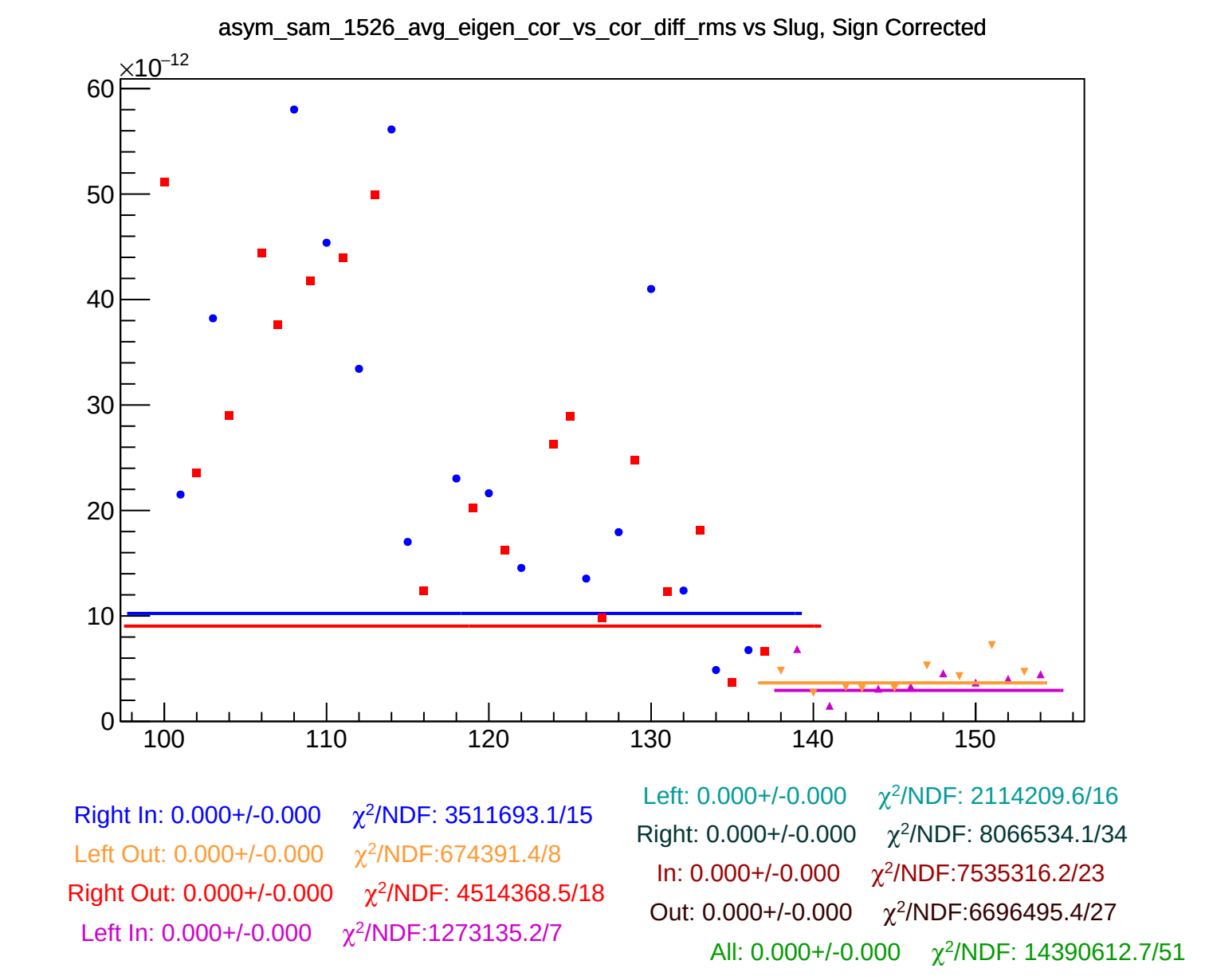
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

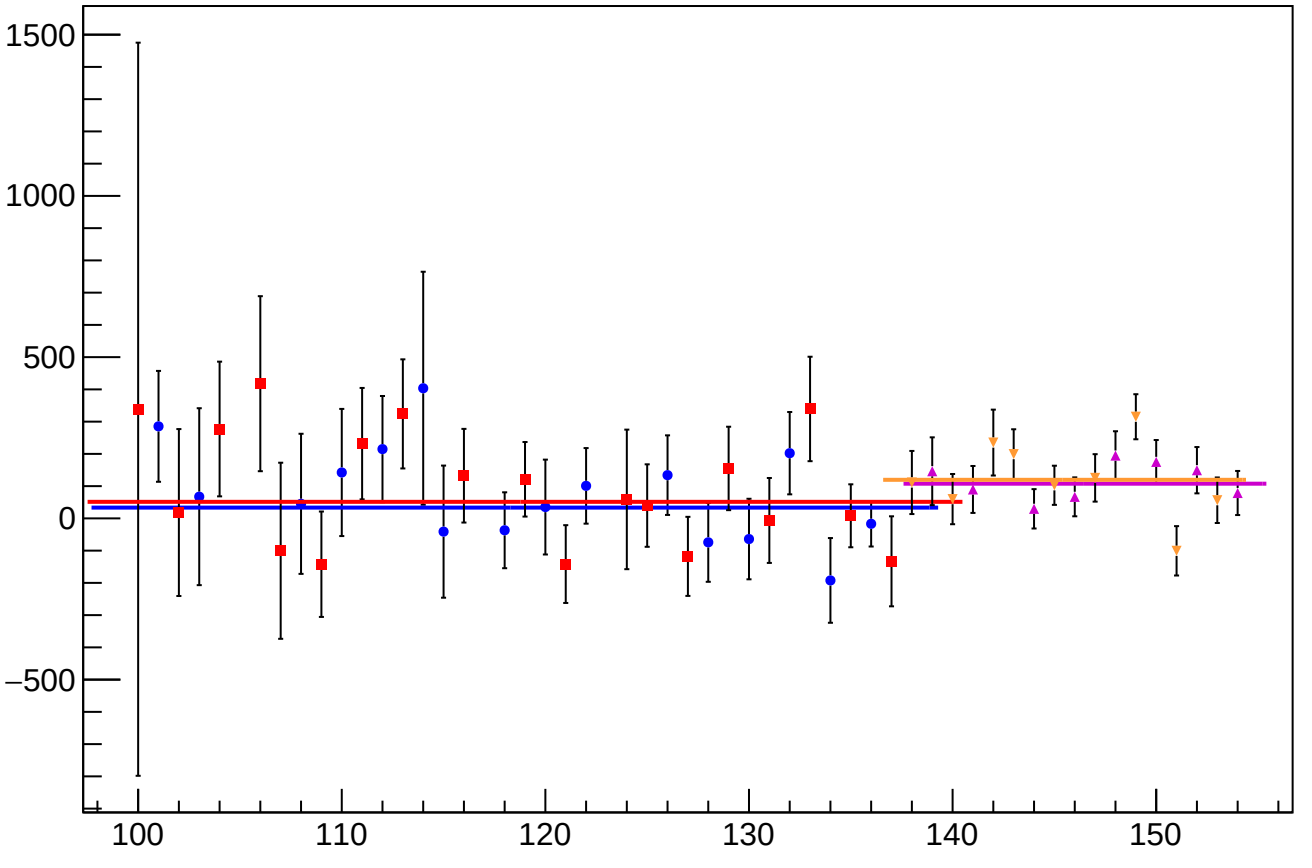
In: 29.294+/-0.006 χ^2/NDF:2967991.7/23

Out: 31.413+/-0.006 χ^2/NDF:2889038.4/27

All: 30.292+/-0.004 χ^2/NDF: 5916263.7/51


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:3.8/7
Left: 0.000+/-0.000 χ²/NDF: 14.4/16
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:16.9/23
Out: 0.000+/-0.000 χ²/NDF:31.8/27
All: 0.000+/-0.000 χ²/NDF: 51.1/51


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:674391.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1273135.2/7
Left: 0.000+/-0.000 χ²/NDF: 2114209.6/16
Right: 0.000+/-0.000 χ²/NDF: 8066534.1/34
In: 0.000+/-0.000 χ²/NDF:7535316.2/23
Out: 0.000+/-0.000 χ²/NDF:6696495.4/27
All: 0.000+/-0.000 χ²/NDF: 14390612.7/51



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: 107.569+/-24.818 χ^2/NDF:5.1/7

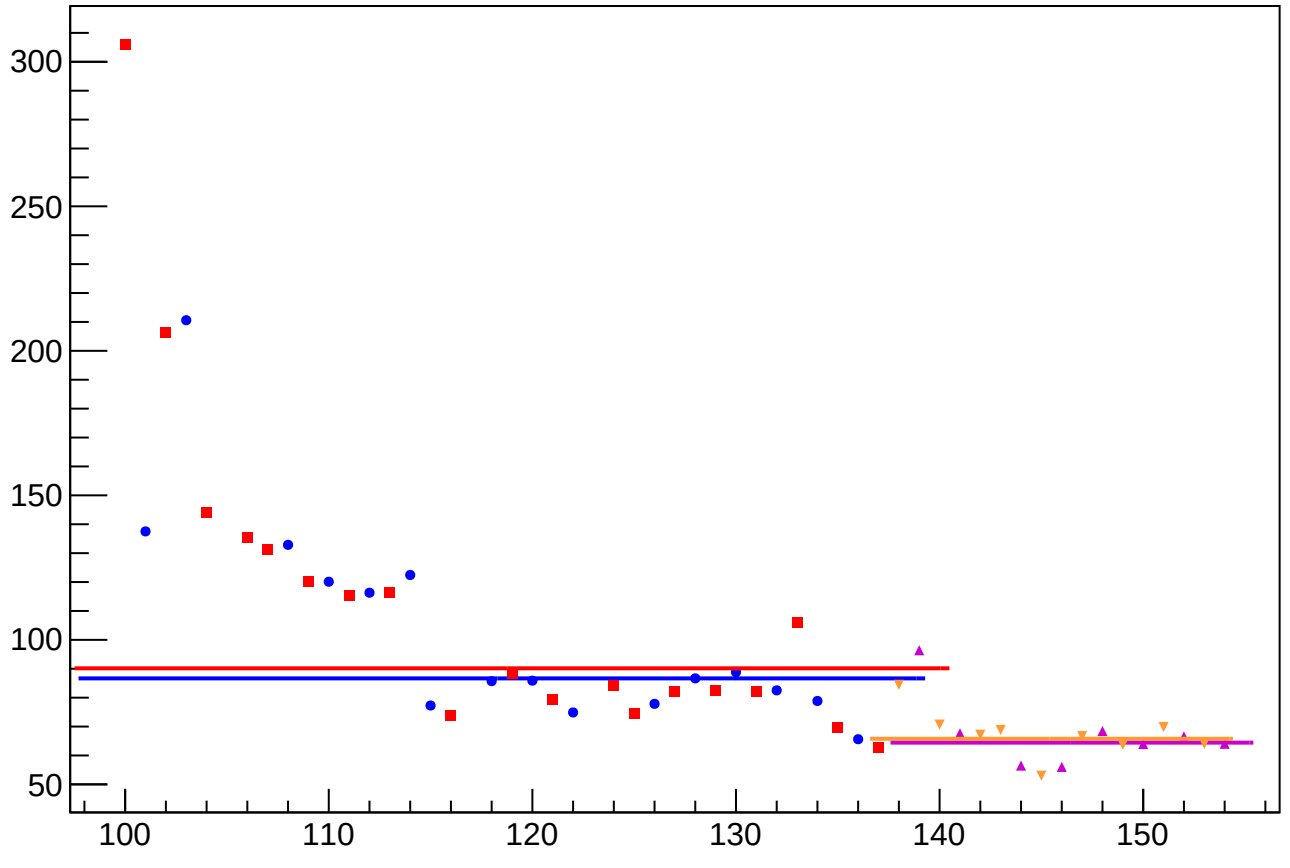
Left: 113.476+/-17.708 χ^2/NDF: 25.2/16

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 81.680+/-20.021 χ^2/NDF:21.1/23

Out: 96.074+/-20.460 χ^2/NDF:42.0/27

All: 88.721+/-14.310 χ^2/NDF: 63.3/51



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: 64.443+/-0.018 χ^2/NDF:269264.6/7

Left: 65.101+/-0.013 χ^2/NDF: 453766.7/16

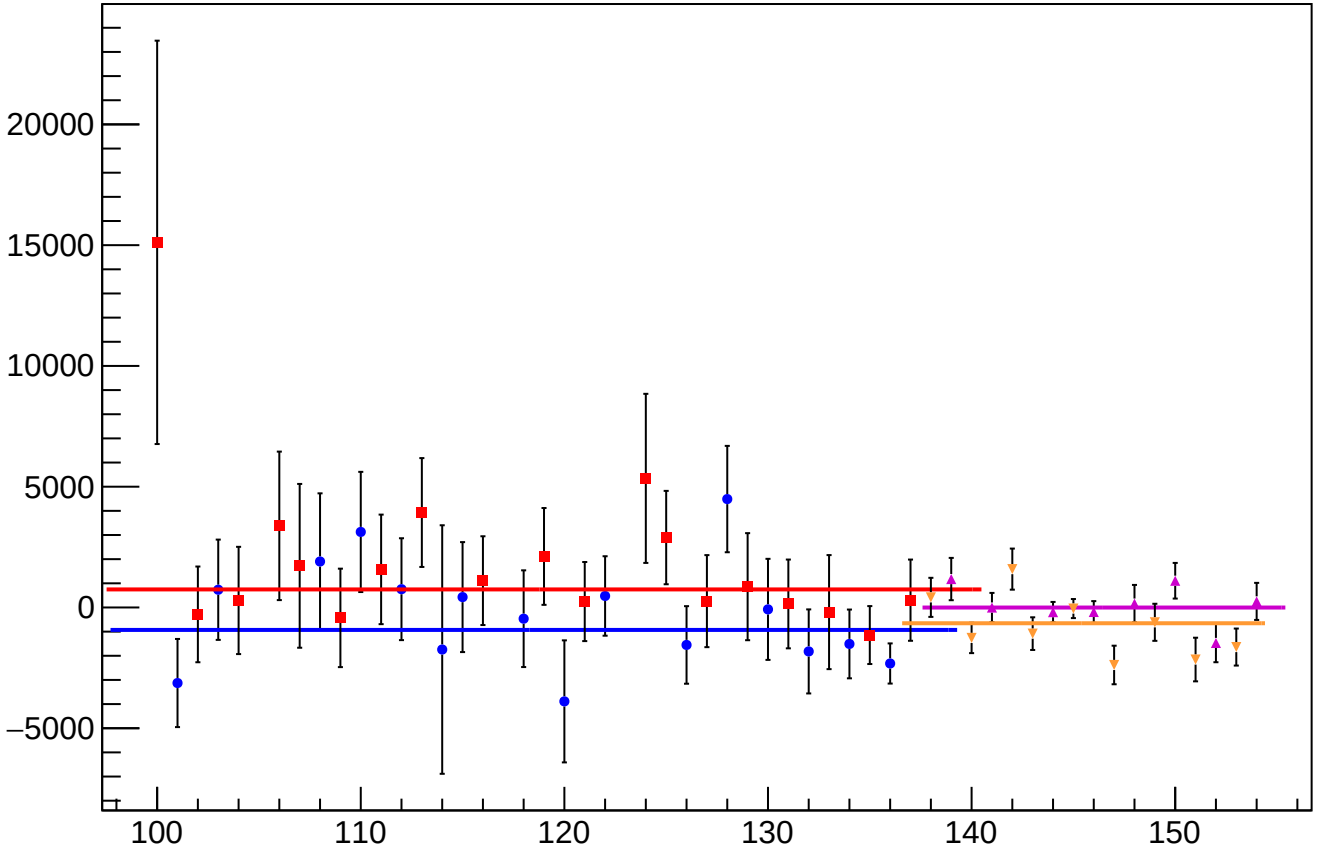
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 72.203+/-0.014 χ^2/NDF:1868060.6/23

Out: 74.182+/-0.014 χ^2/NDF:1972549.9/27

All: 73.171+/-0.010 χ^2/NDF: 3850161.5/51

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: -2.960+/-216.347 χ^2/NDF:8.0/7

Left: -319.185+/-155.053 χ^2/NDF: 33.9/16

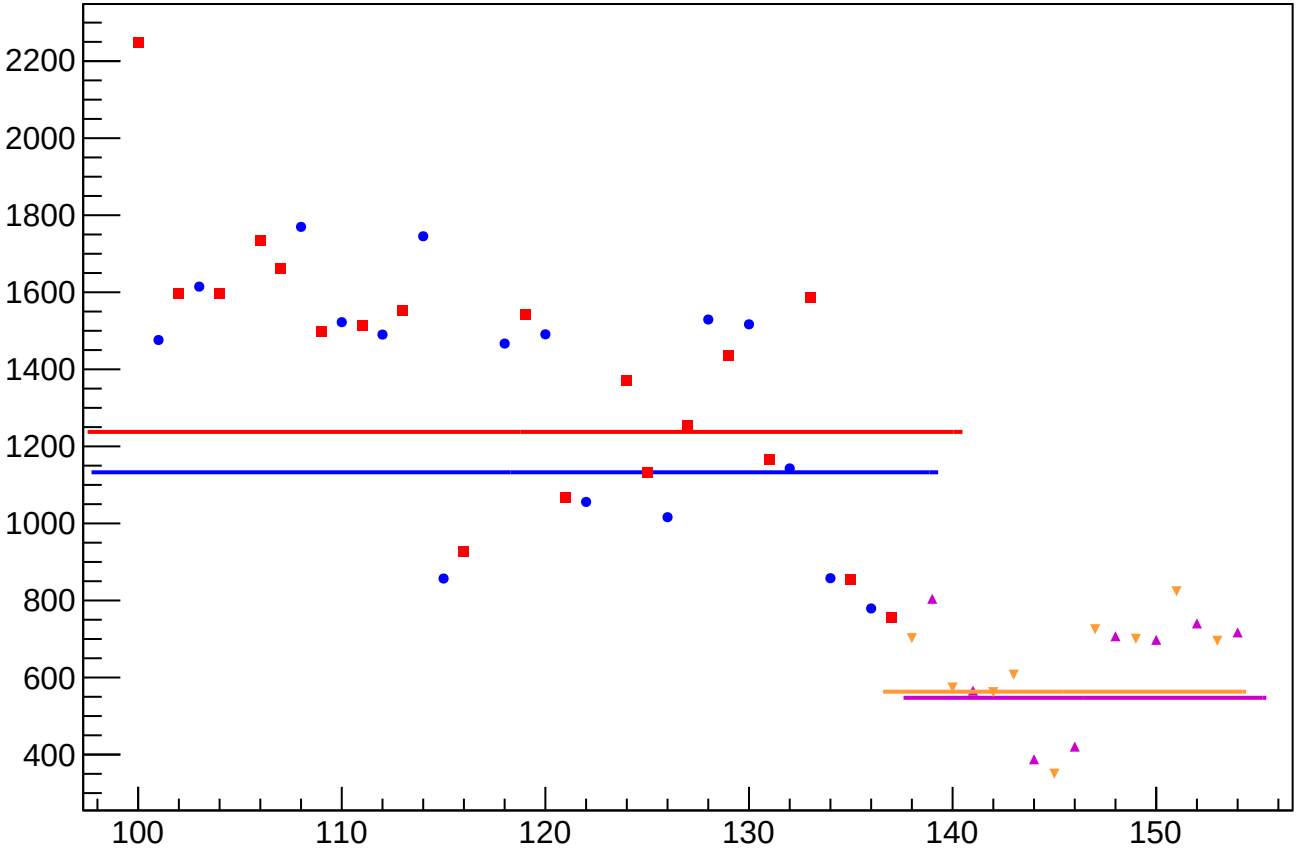
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -182.828+/-194.224 χ^2/NDF:30.1/23

Out: -395.209+/-200.813 χ^2/NDF:41.8/27

All: -285.477+/-139.608 χ^2/NDF: 72.5/51

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 563.232+/-0.157 χ^2/NDF:1021441.2/8

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 547.386+/-0.153 χ^2/NDF:1001933.4/7

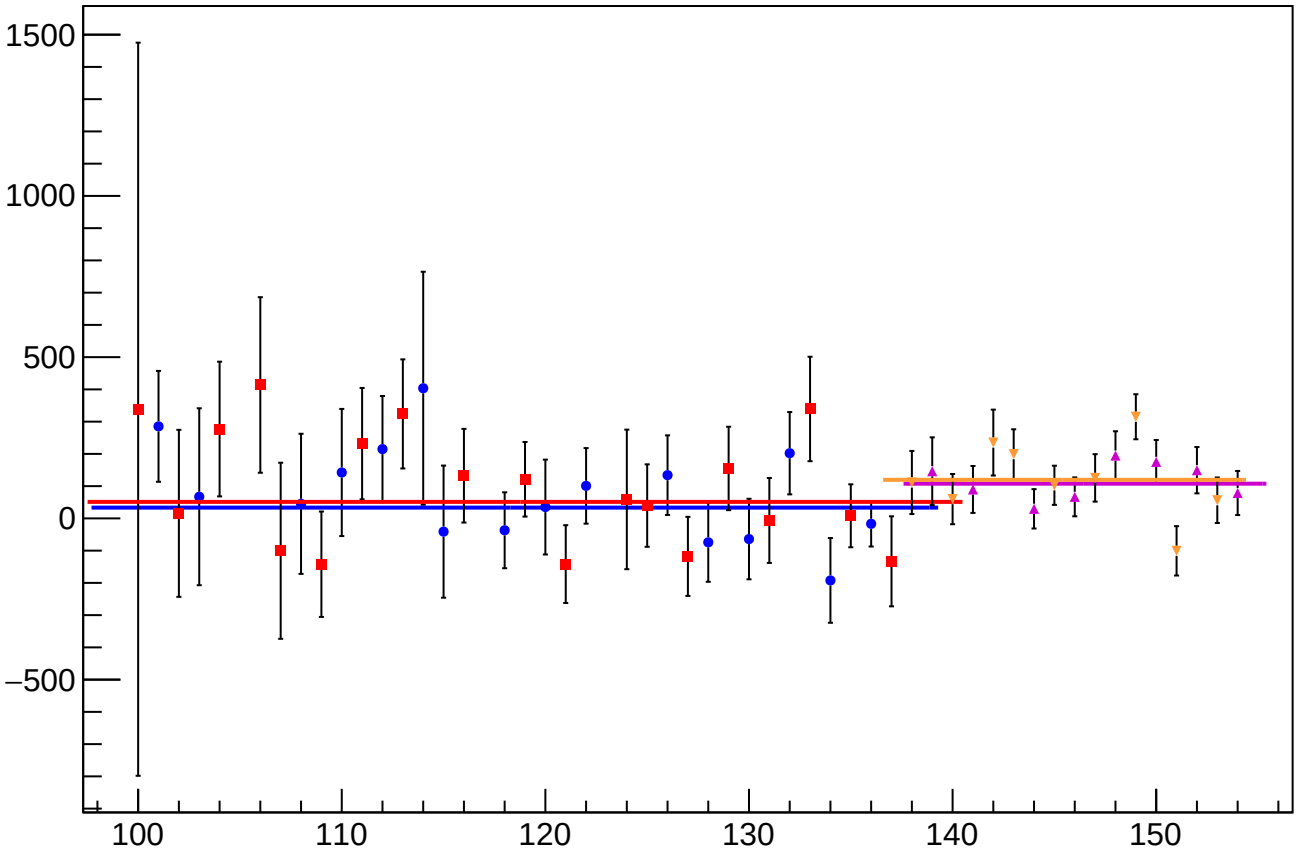
Left: 555.093+/-0.110 χ^2/NDF: 2028593.4/16

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 660.970+/-0.137 χ^2/NDF:4966790.0/23

Out: 687.445+/-0.142 χ^2/NDF:5305887.9/27

All: 673.766+/-0.099 χ^2/NDF: 10290639.0/51



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: 107.568+/-24.818 χ^2/NDF:5.1/7

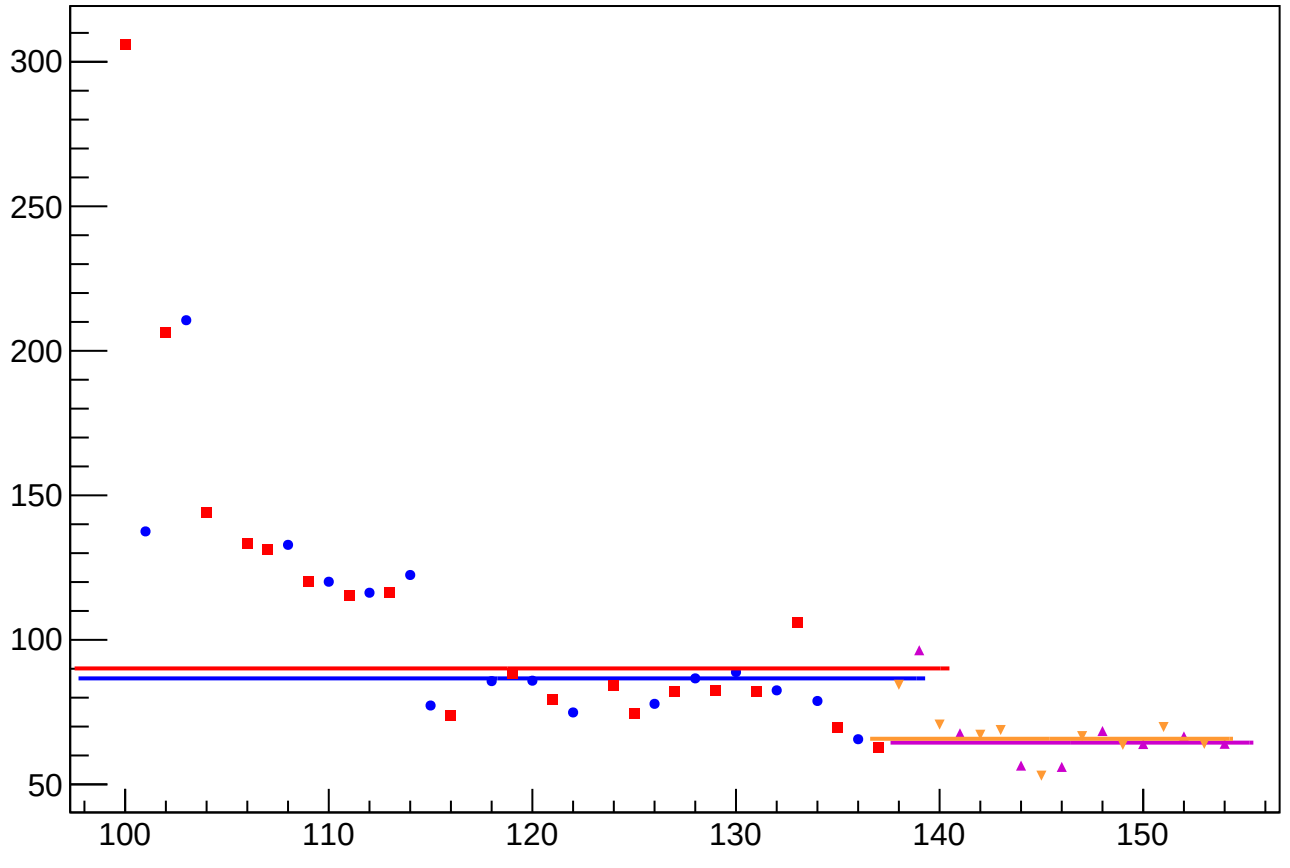
Left: 113.478+/-17.708 χ^2/NDF: 25.2/16

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 81.676+/-20.021 χ^2/NDF:21.1/23

Out: 96.029+/-20.461 χ^2/NDF:42.0/27

All: 88.697+/-14.310 χ^2/NDF: 63.3/51



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: 64.443+/-0.018 χ^2/NDF:269264.6/7

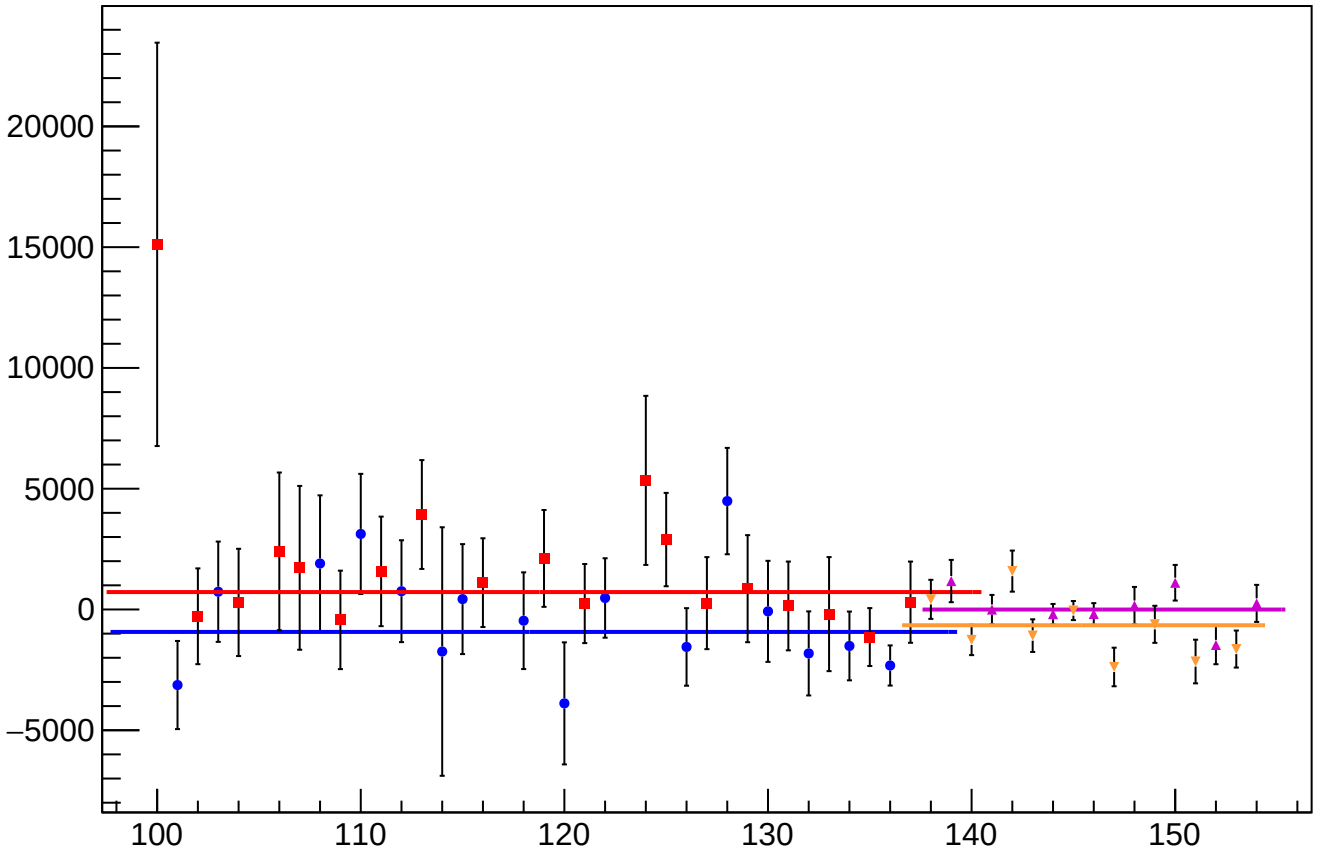
Left: 65.101+/-0.013 χ^2/NDF: 453766.7/16

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 72.203+/-0.014 χ^2/NDF:1868063.1/23

Out: 74.168+/-0.014 χ^2/NDF:1965856.0/27

All: 73.164+/-0.010 χ^2/NDF: 3843340.6/51



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: -2.959+/-216.347 χ^2/NDF:8.0/7

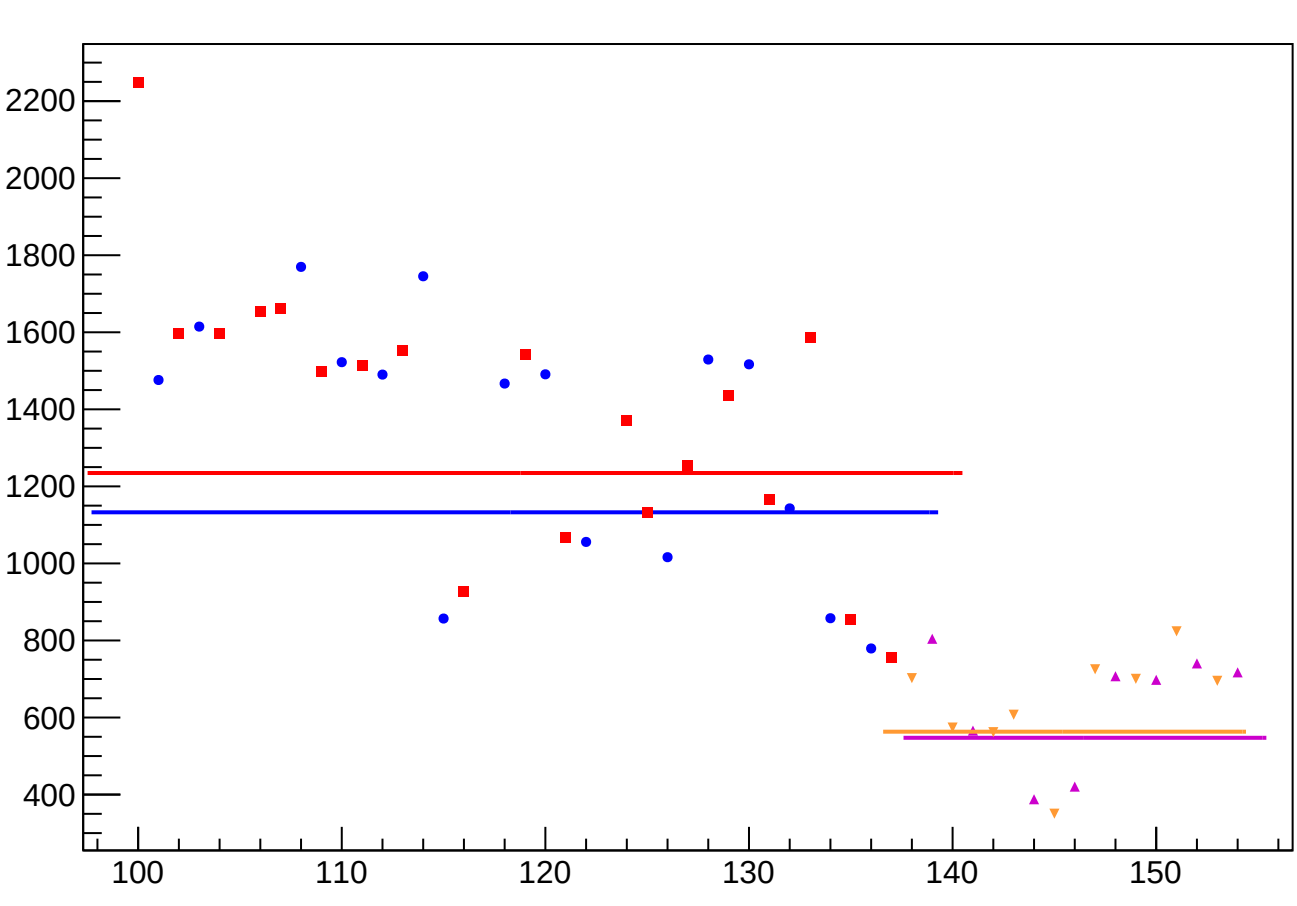
Left: -319.182+/-155.053 χ^2/NDF: 33.9/16

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -182.819+/-194.224 χ^2/NDF:30.1/23

Out: -400.665+/-200.863 χ^2/NDF:41.0/27

All: -288.082+/-139.625 χ^2/NDF: 71.7/51



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: 547.386+/-0.153 χ^2/NDF:1001934.5/7

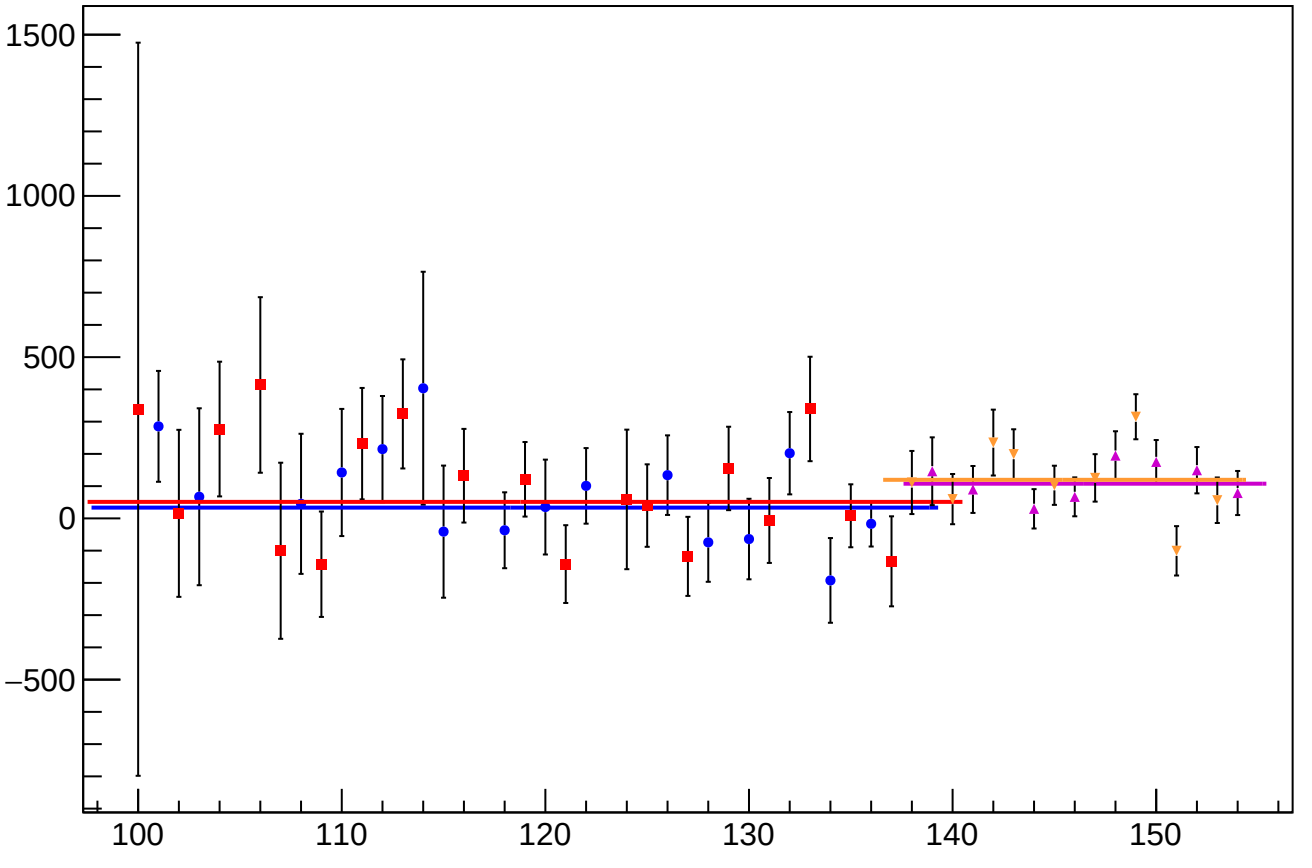
Left: 555.093+/-0.110 χ^2/NDF: 2028596.3/16

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 660.970+/-0.137 χ^2/NDF:4966827.2/23

Out: 686.639+/-0.142 χ^2/NDF:5250483.6/27

All: 673.373+/-0.099 χ^2/NDF: 10234191.1/51



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: 107.568+/-24.818 χ^2/NDF:5.1/7

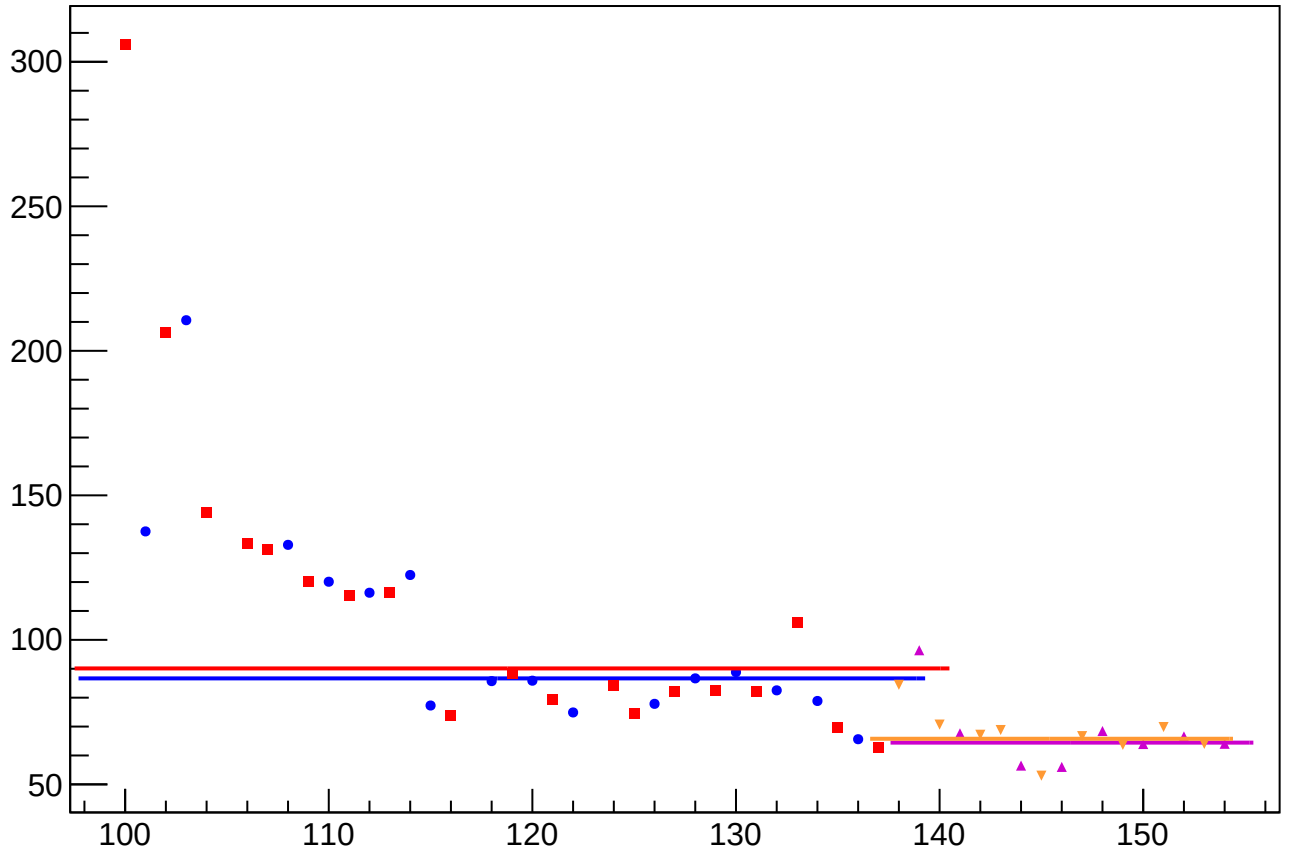
Left: 113.478+/-17.708 χ^2/NDF: 25.2/16

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 81.676+/-20.021 χ^2/NDF:21.1/23

Out: 96.029+/-20.461 χ^2/NDF:42.0/27

All: 88.697+/-14.310 χ^2/NDF: 63.3/51



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: 64.443+/-0.018 χ^2/NDF:269264.6/7

Left: 65.101+/-0.013 χ^2/NDF: 453766.7/16

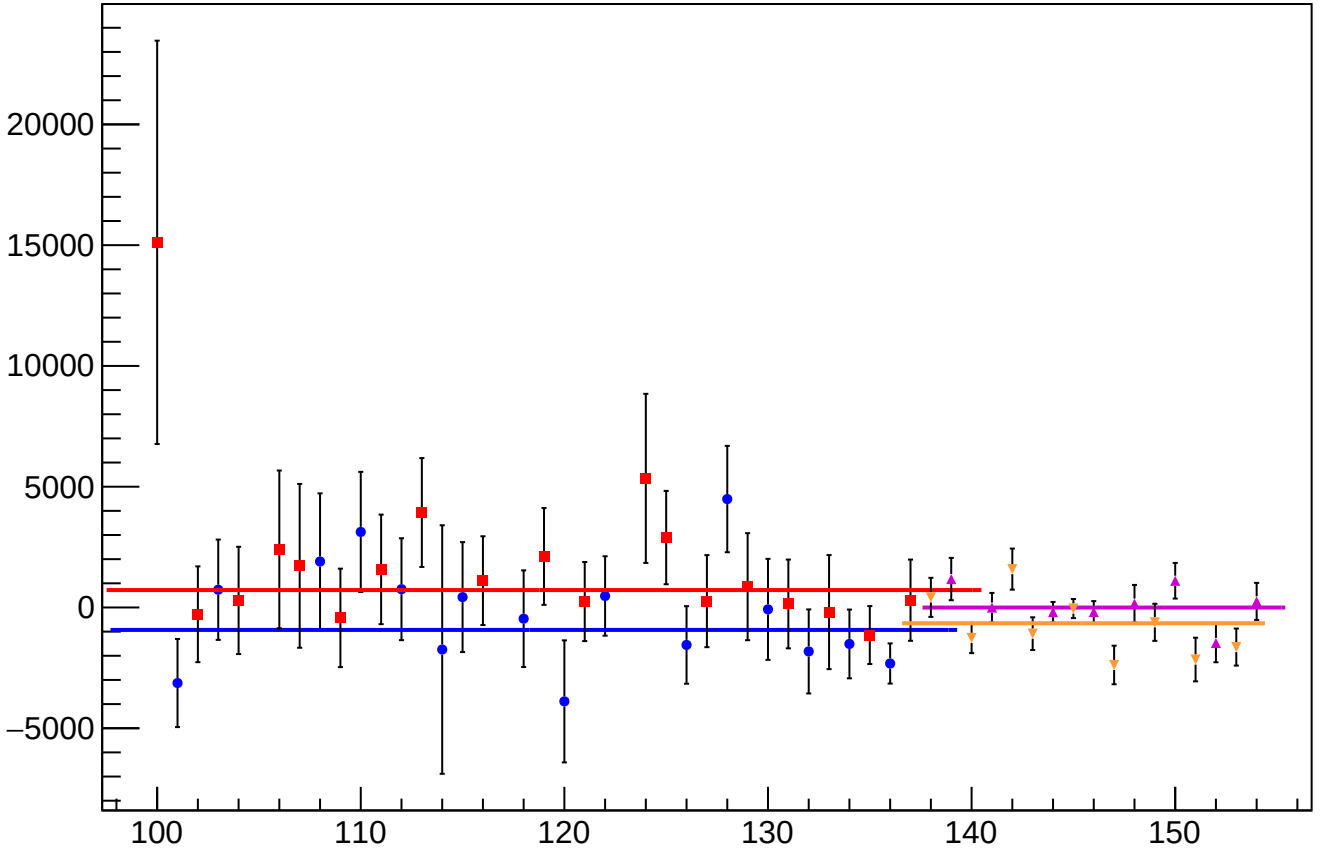
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 72.203+/-0.014 χ^2/NDF:1868063.1/23

Out: 74.168+/-0.014 χ^2/NDF:1965856.0/27

All: 73.164+/-0.010 χ^2/NDF: 3843340.6/51

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: -2.959+/-216.347 χ^2/NDF:8.0/7

Left: -319.182+/-155.053 χ^2/NDF: 33.9/16

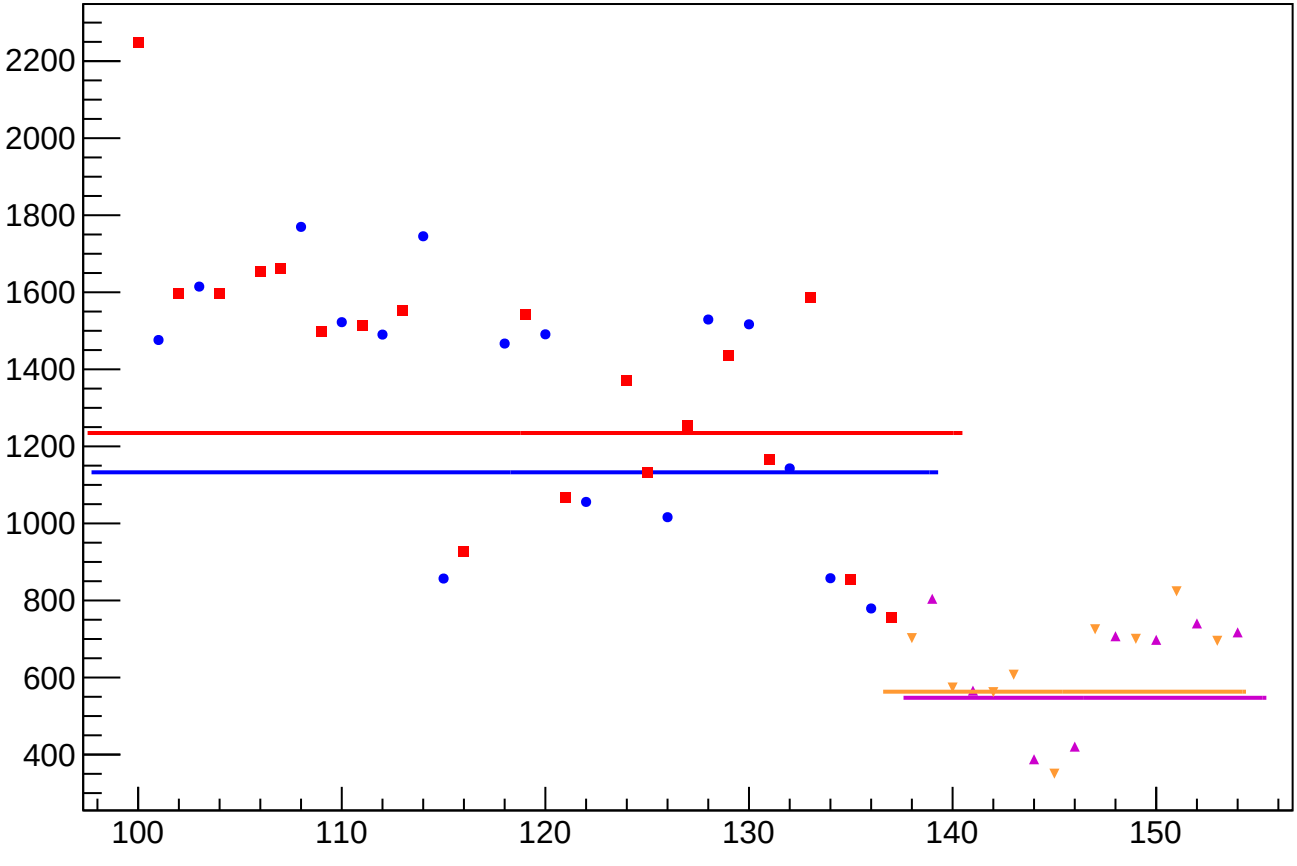
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -182.819+/-194.224 χ^2/NDF:30.1/23

Out: -400.665+/-200.863 χ^2/NDF:41.0/27

All: -288.082+/-139.625 χ^2/NDF: 71.7/51

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 563.232+/-0.157 χ^2/NDF:1021443.3/8

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 547.386+/-0.153 χ^2/NDF:1001934.5/7

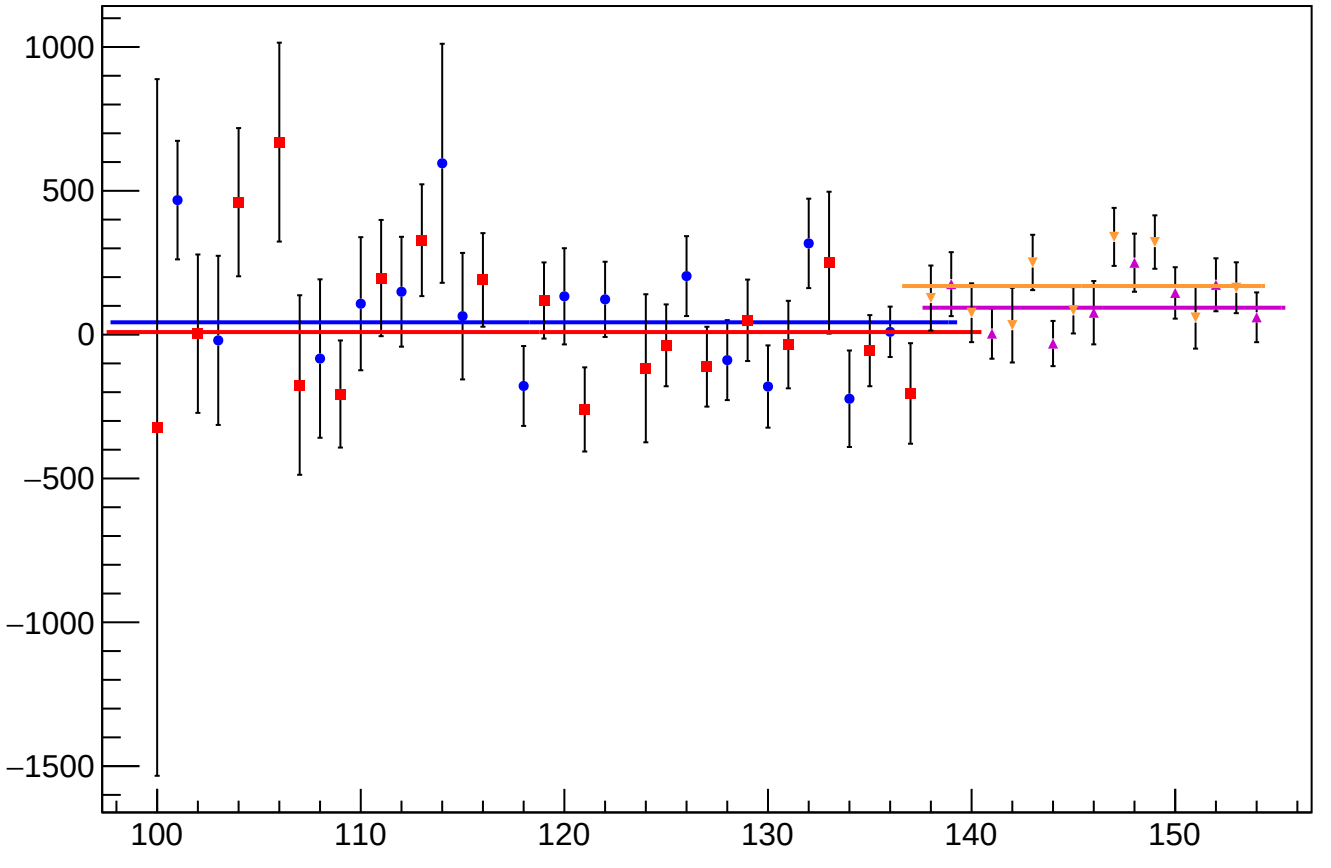
Left: 555.093+/-0.110 χ^2/NDF: 2028596.3/16

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 660.970+/-0.137 χ^2/NDF:4966827.2/23

Out: 686.639+/-0.142 χ^2/NDF:5250483.6/27

All: 673.373+/-0.099 χ^2/NDF: 10234191.1/51



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: 93.643+/-32.775 χ^2/NDF:7.8/7

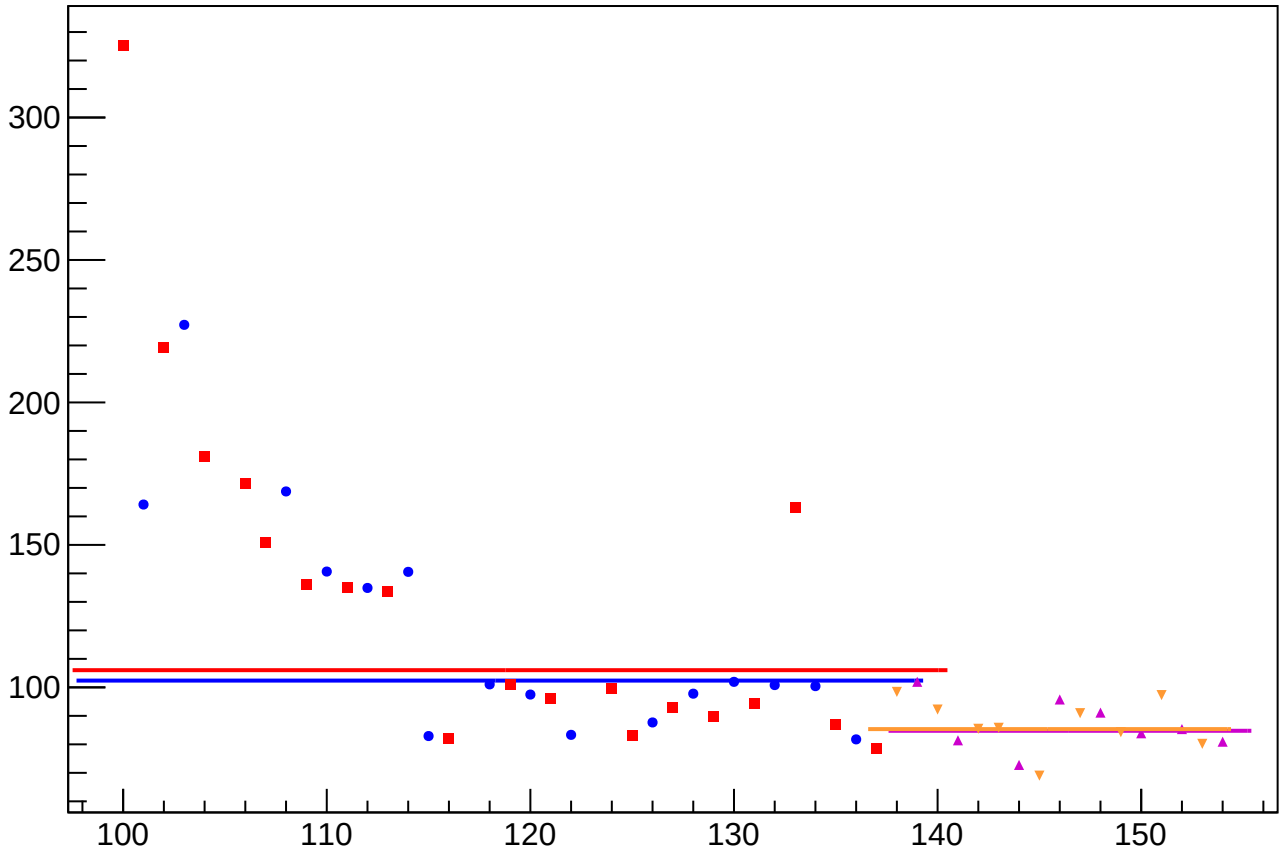
Left: 131.193+/-23.220 χ^2/NDF: 20.9/16

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 73.234+/-25.338 χ^2/NDF:29.0/23

Out: 106.454+/-25.675 χ^2/NDF:41.1/27

All: 89.624+/-18.035 χ^2/NDF: 71.0/51



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: 84.762+/-0.023 χ^2/NDF:129339.7/7

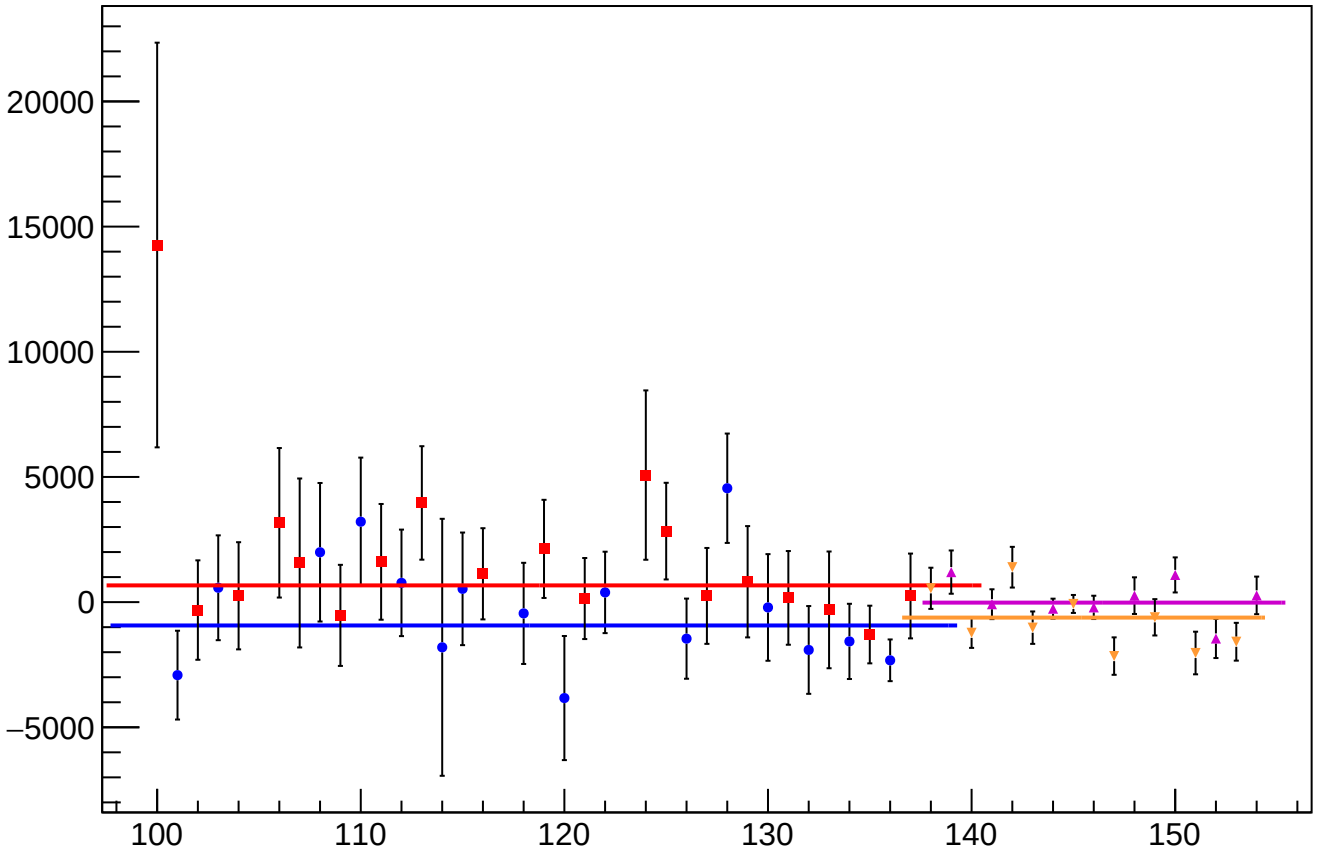
Left: 85.055+/-0.016 χ^2/NDF: 285460.4/16

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 91.849+/-0.018 χ^2/NDF:1344123.1/23

Out: 93.437+/-0.018 χ^2/NDF:1656124.8/27

All: 92.633+/-0.013 χ^2/NDF: 3004124.7/51



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: -19.999+/-211.514 χ^2/NDF:8.7/7

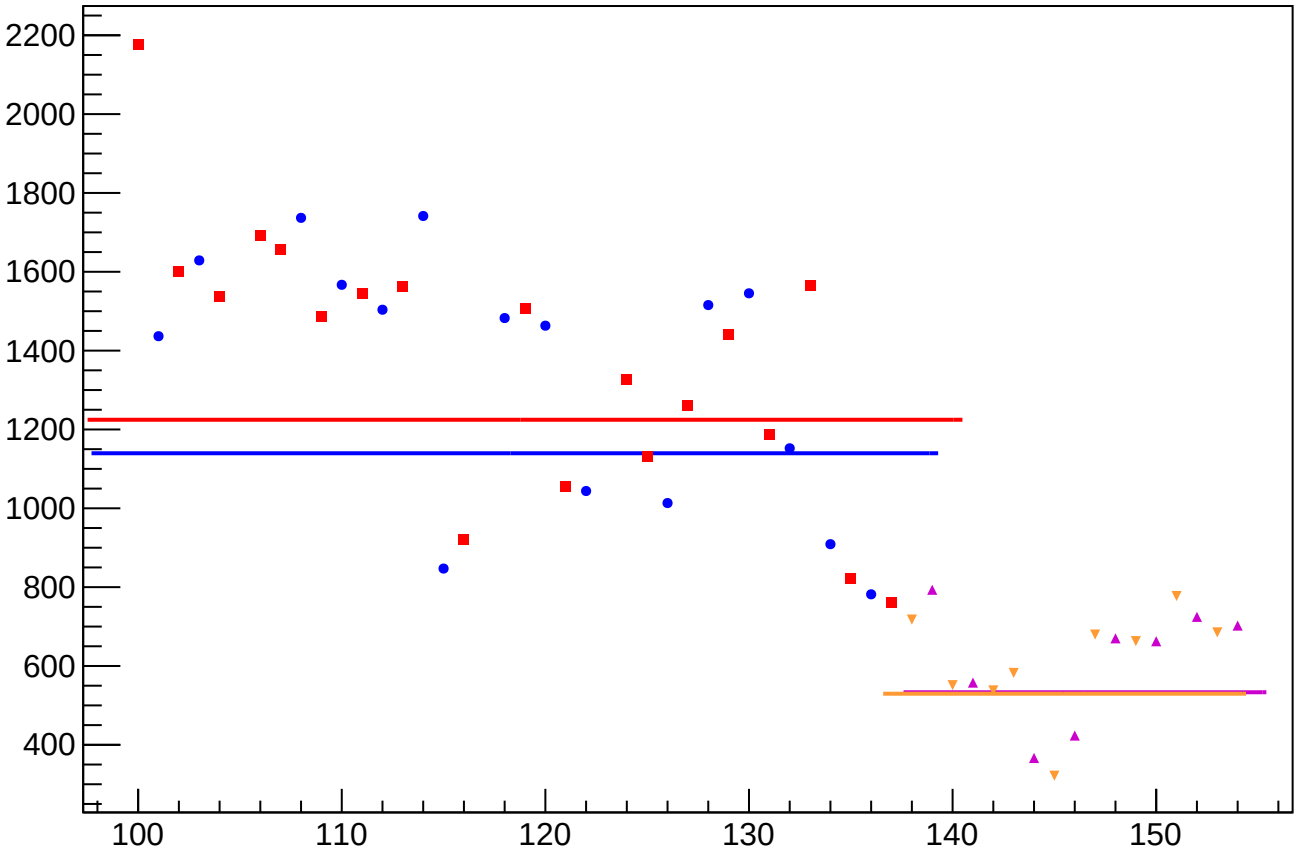
Left: -321.261+/-148.987 χ^2/NDF: 33.2/16

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -189.550+/-190.851 χ^2/NDF:30.6/23

Out: -398.783+/-191.182 χ^2/NDF:40.3/27

All: -293.985+/-135.069 χ^2/NDF: 71.6/51



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: 533.363+/-0.150 χ^2/NDF:1003450.5/7

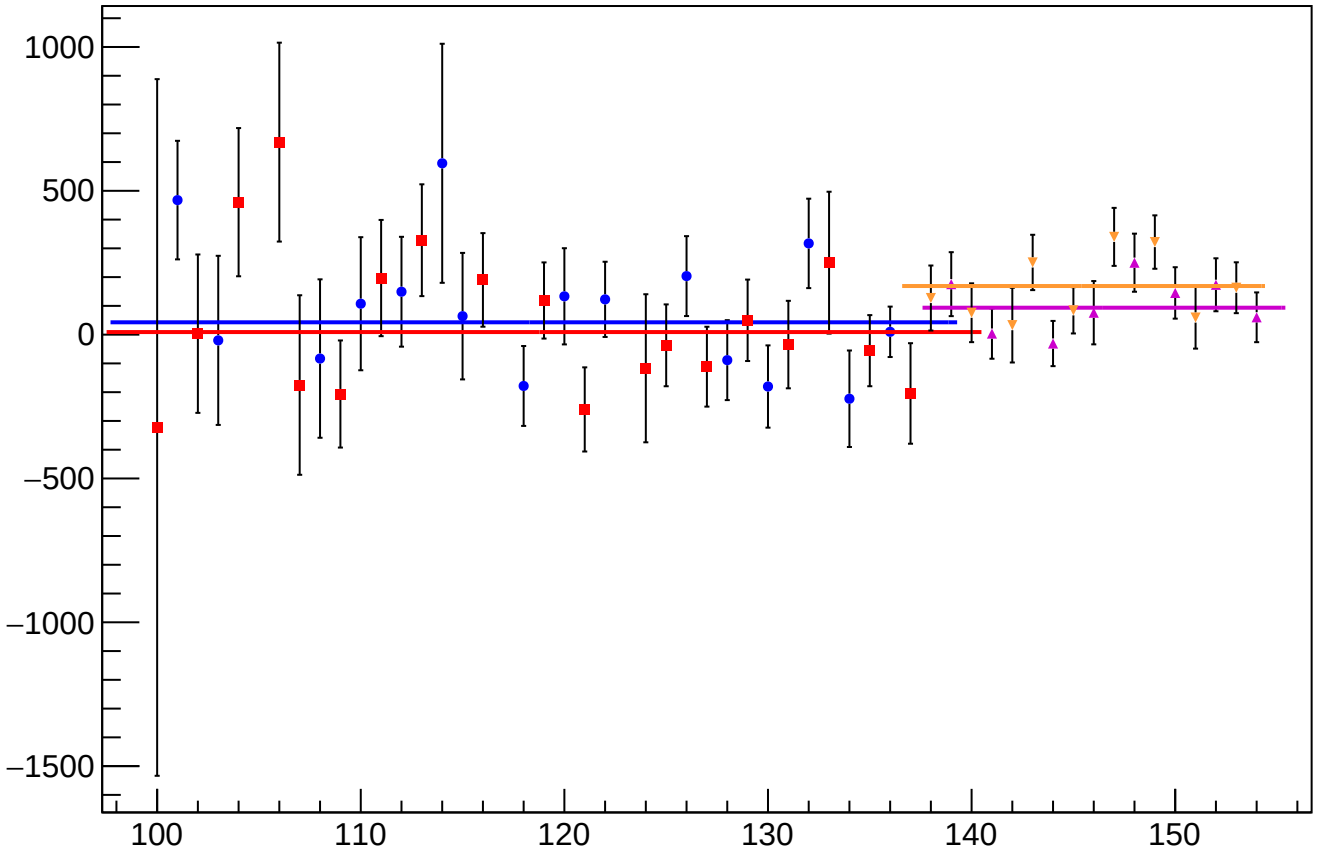
Left: 531.495+/-0.105 χ^2/NDF: 2197697.7/16

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 646.033+/-0.135 χ^2/NDF:5150680.7/23

Out: 648.043+/-0.135 χ^2/NDF:5851511.4/27

All: 647.036+/-0.096 χ^2/NDF: 11002302.8/51



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: 93.643+/-32.775 χ^2/NDF:7.8/7

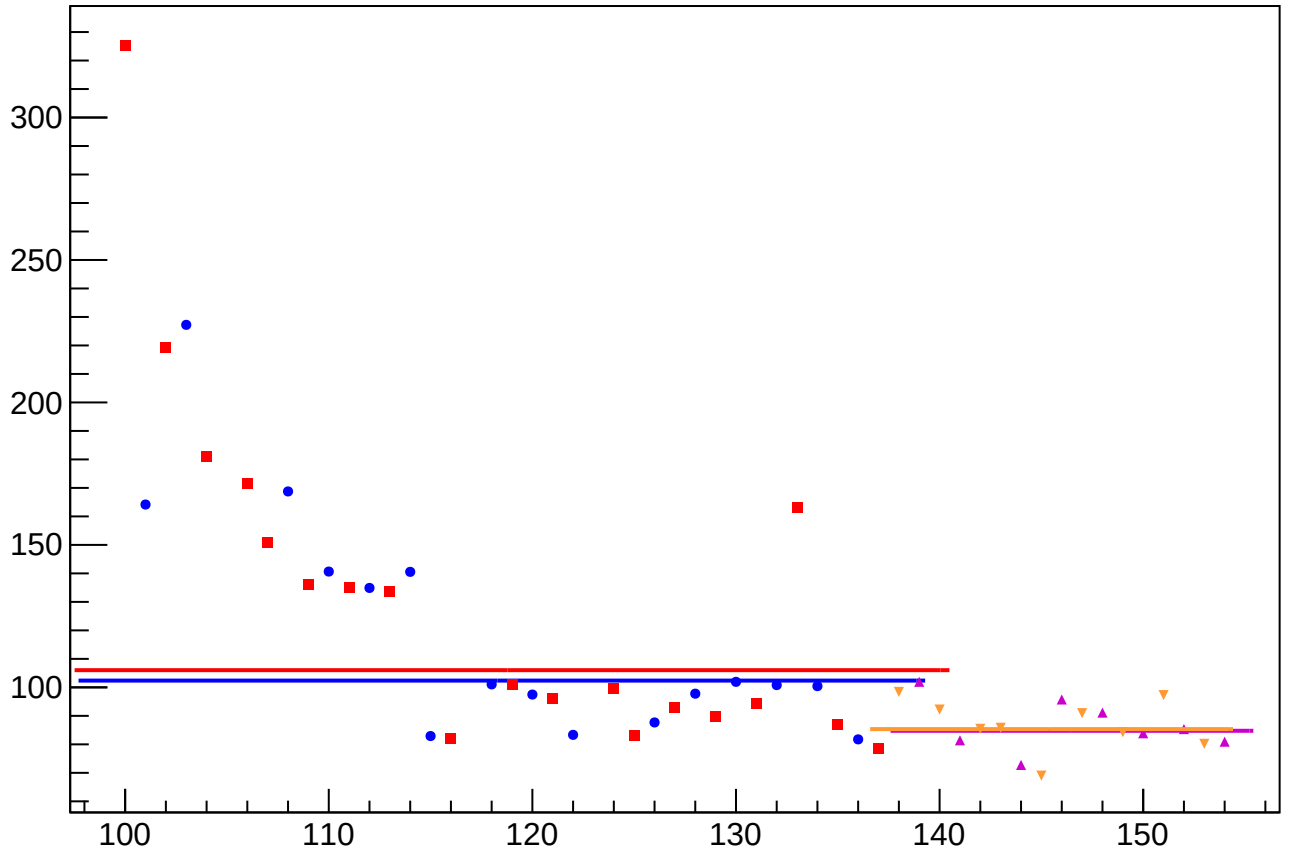
Left: 131.193+/-23.220 χ^2/NDF: 20.9/16

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 73.234+/-25.338 χ^2/NDF:29.0/23

Out: 106.452+/-25.675 χ^2/NDF:41.1/27

All: 89.623+/-18.035 χ^2/NDF: 71.0/51



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: 84.762+/-0.023 χ^2/NDF:129337.6/7

Left: 85.055+/-0.016 χ^2/NDF: 285450.6/16

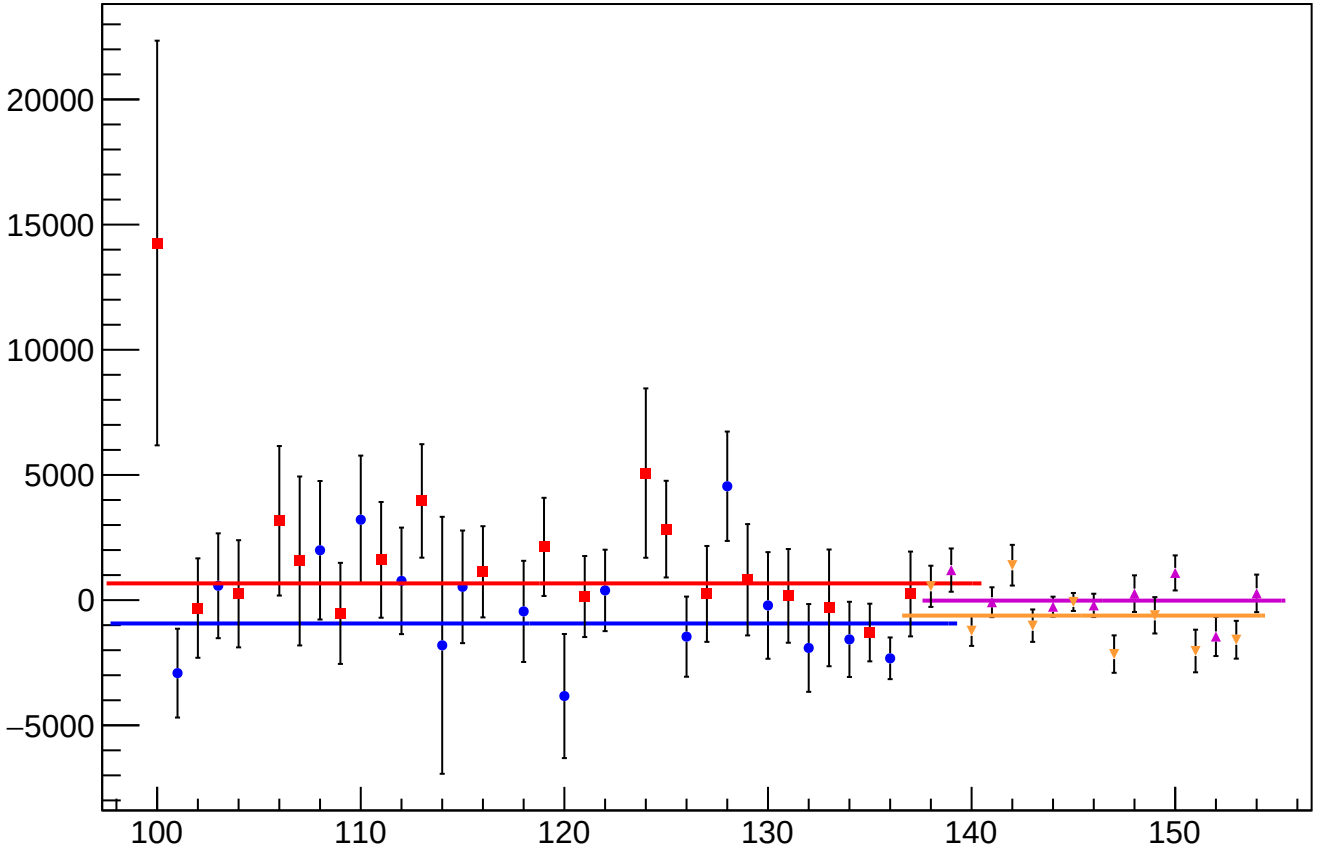
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 91.849+/-0.018 χ^2/NDF:1344099.1/23

Out: 93.438+/-0.018 χ^2/NDF:1656103.2/27

All: 92.633+/-0.013 χ^2/NDF: 3004079.4/51

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: -19.999+/-211.513 χ^2/NDF:8.7/7

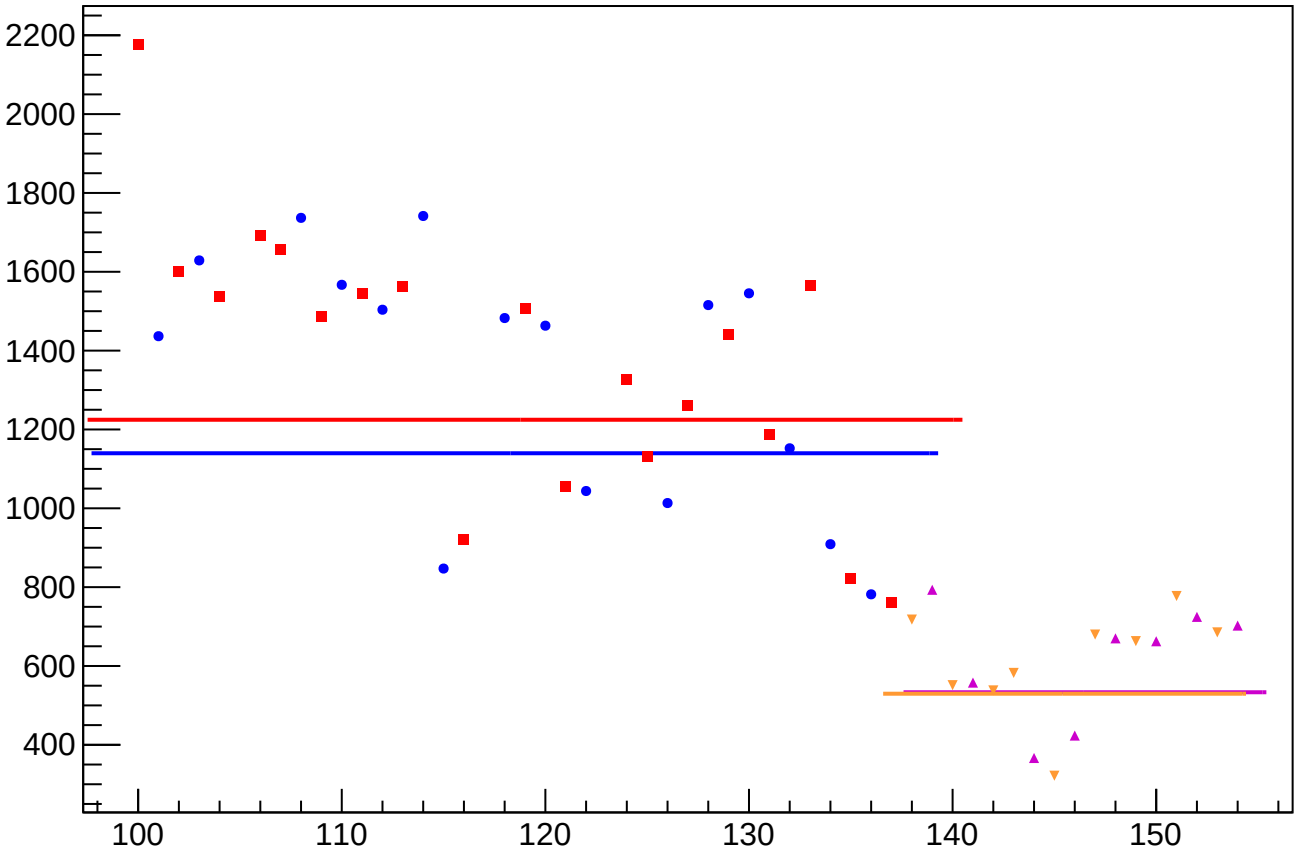
Left: -321.261+/-148.986 χ^2/NDF: 33.2/16

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -189.549+/-190.851 χ^2/NDF:30.6/23

Out: -398.783+/-191.182 χ^2/NDF:40.3/27

All: -293.985+/-135.069 χ^2/NDF: 71.6/51



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: 533.362+/-0.150 χ^2/NDF:1003455.1/7

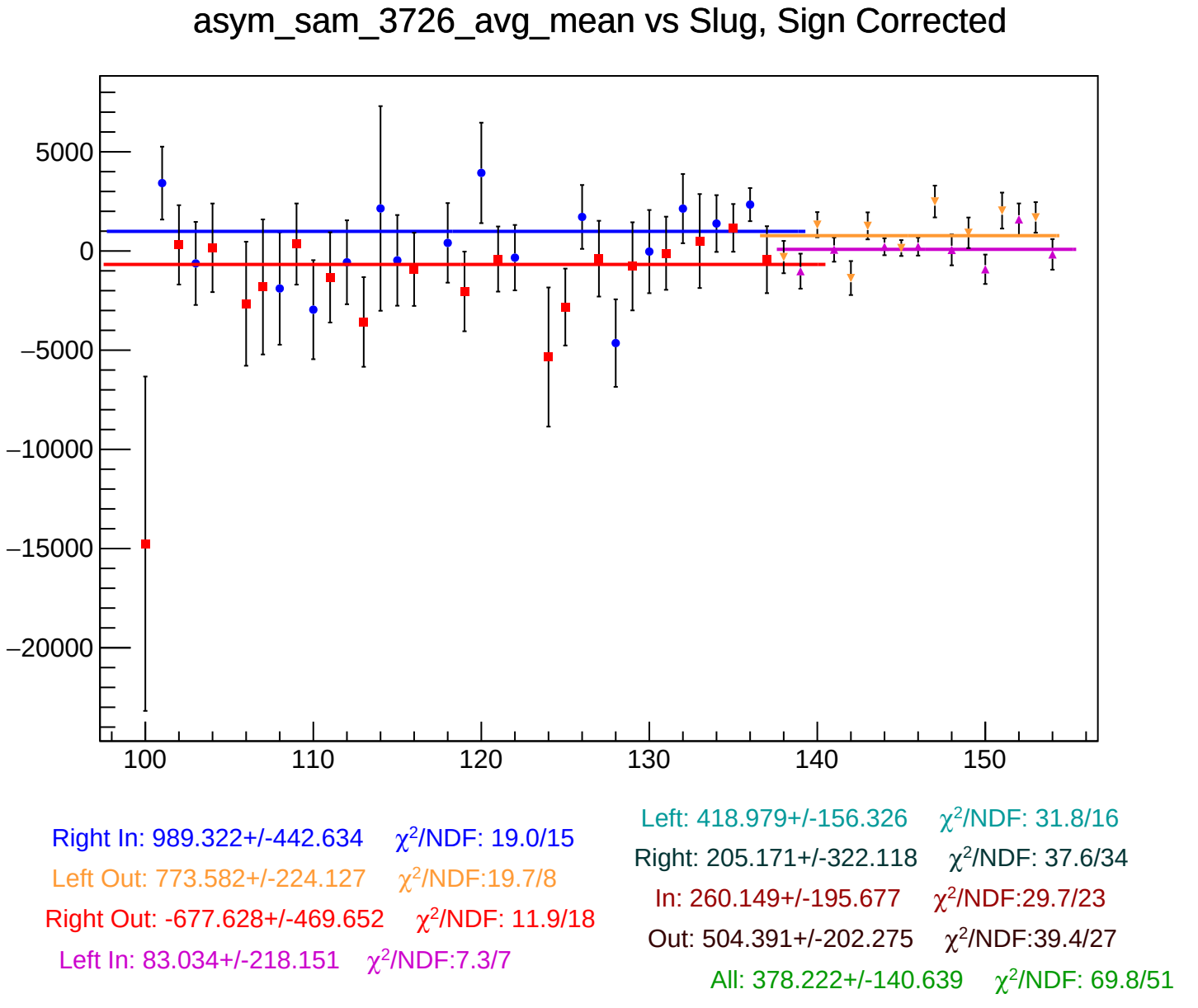
Left: 531.494+/-0.105 χ^2/NDF: 2197717.2/16

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

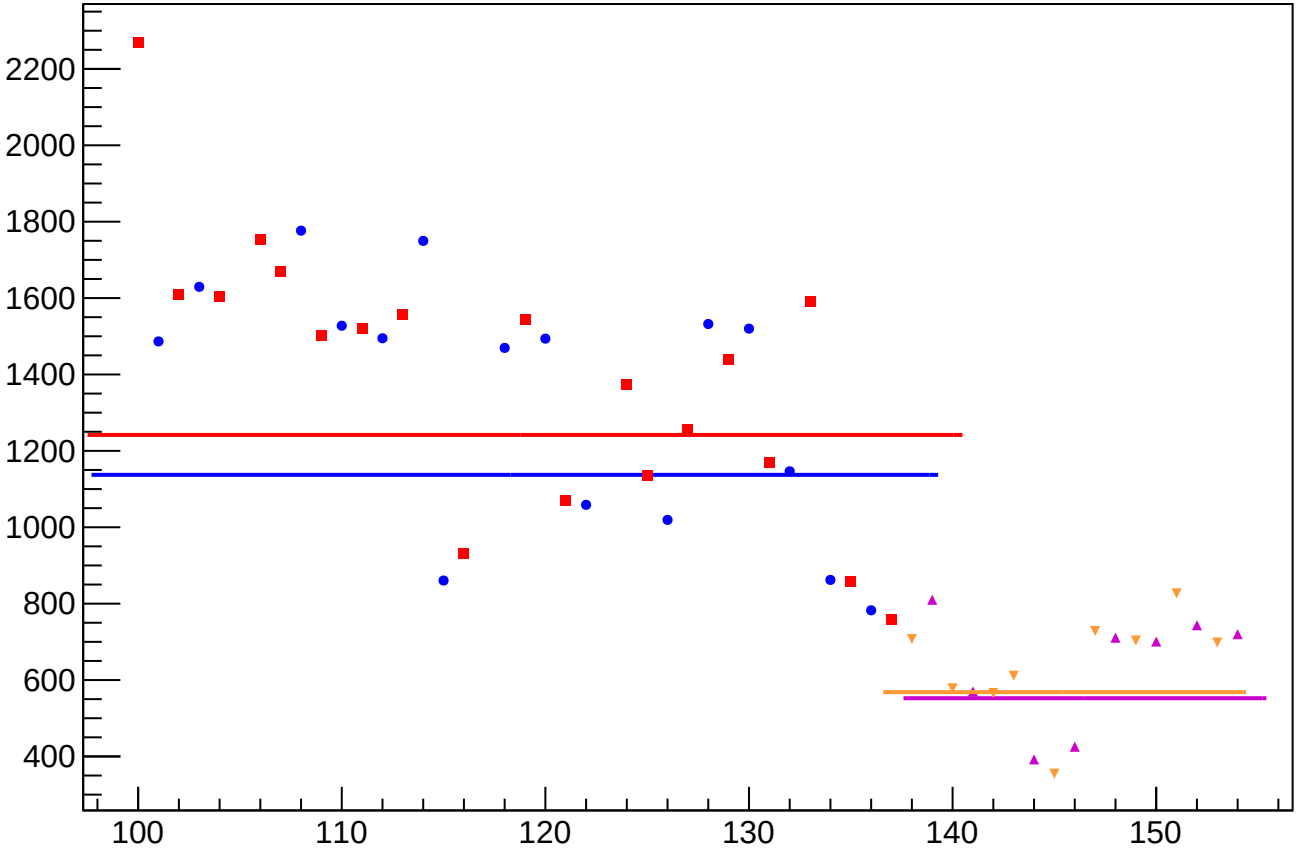
In: 646.032+/-0.135 χ^2/NDF:5150676.9/23

Out: 648.042+/-0.135 χ^2/NDF:5851526.2/27

All: 647.035+/-0.096 χ^2/NDF: 11002313.8/51


asym_sam_3726_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 989.322+/-442.634 χ²/NDF: 19.0/15
Left Out: 773.582+/-224.127 χ²/NDF:19.7/8
Right Out: -677.628+/-469.652 χ²/NDF: 11.9/18
Left In: 83.034+/-218.151 χ²/NDF:7.3/7
Left: 418.979+/-156.326 χ²/NDF: 31.8/16
Right: 205.171+/-322.118 χ²/NDF: 37.6/34
In: 260.149+/-195.677 χ²/NDF:29.7/23
Out: 504.391+/-202.275 χ²/NDF:39.4/27
All: 378.222+/-140.639 χ²/NDF: 69.8/51

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: 552.408+/-0.154 χ^2/NDF:981403.7/7

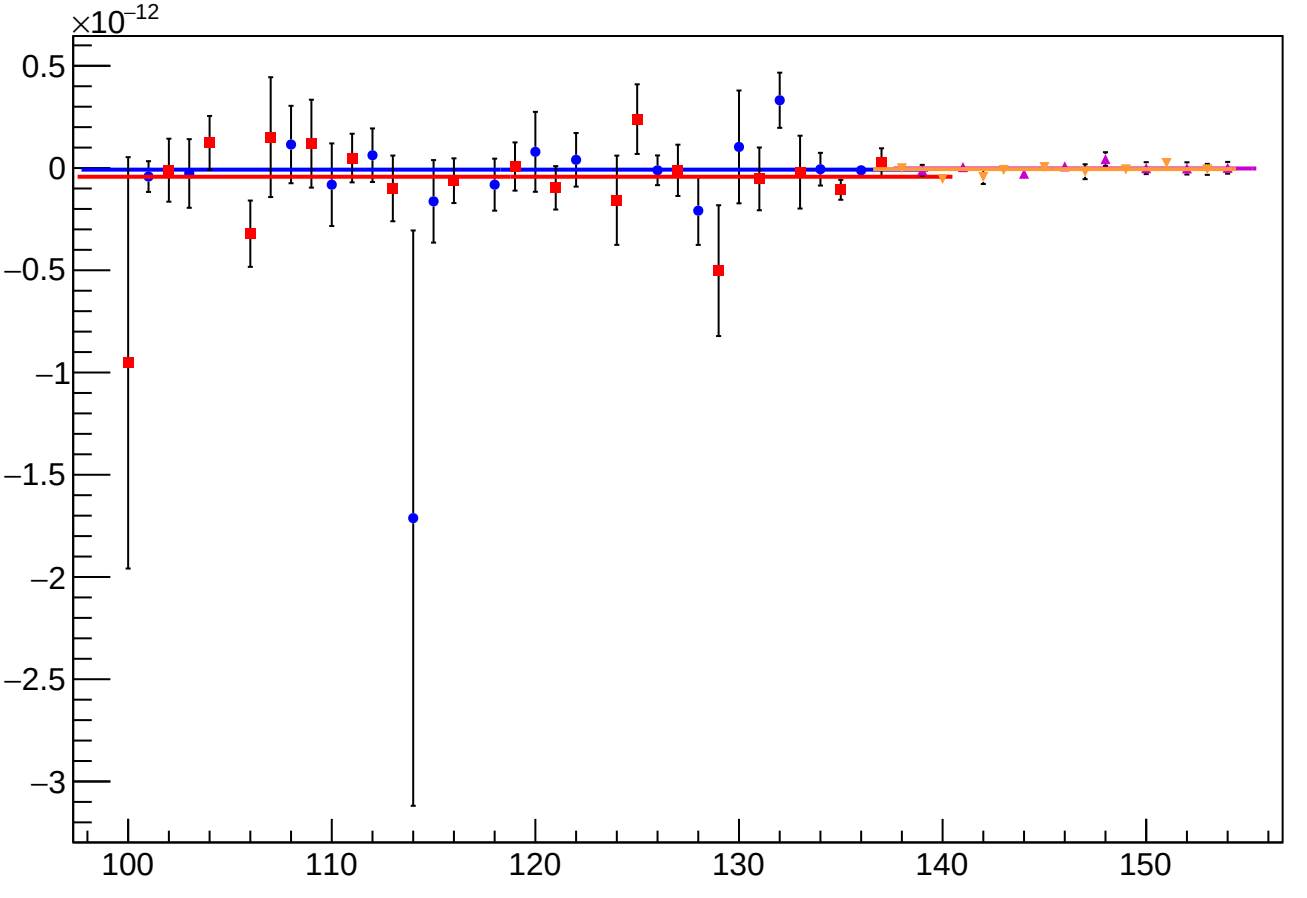
Left: 560.133+/-0.111 χ^2/NDF: 1984024.0/16

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 666.697+/-0.138 χ^2/NDF:4913991.0/23

Out: 693.203+/-0.143 χ^2/NDF:5246133.1/27

All: 679.510+/-0.099 χ^2/NDF: 10177864.3/51



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:4.9/7

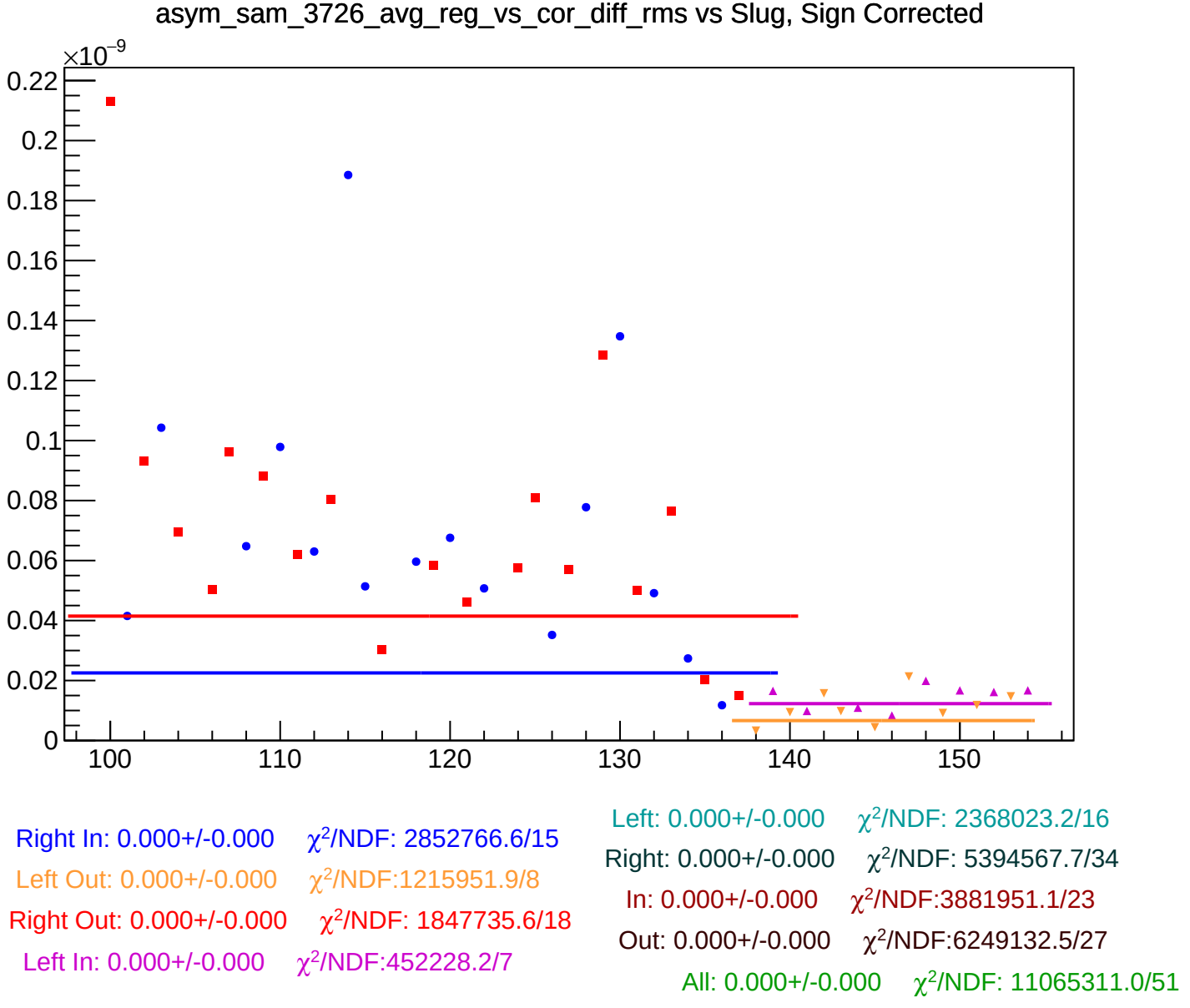
Left: -0.000+/-0.000 χ^2/NDF: 16.6/16

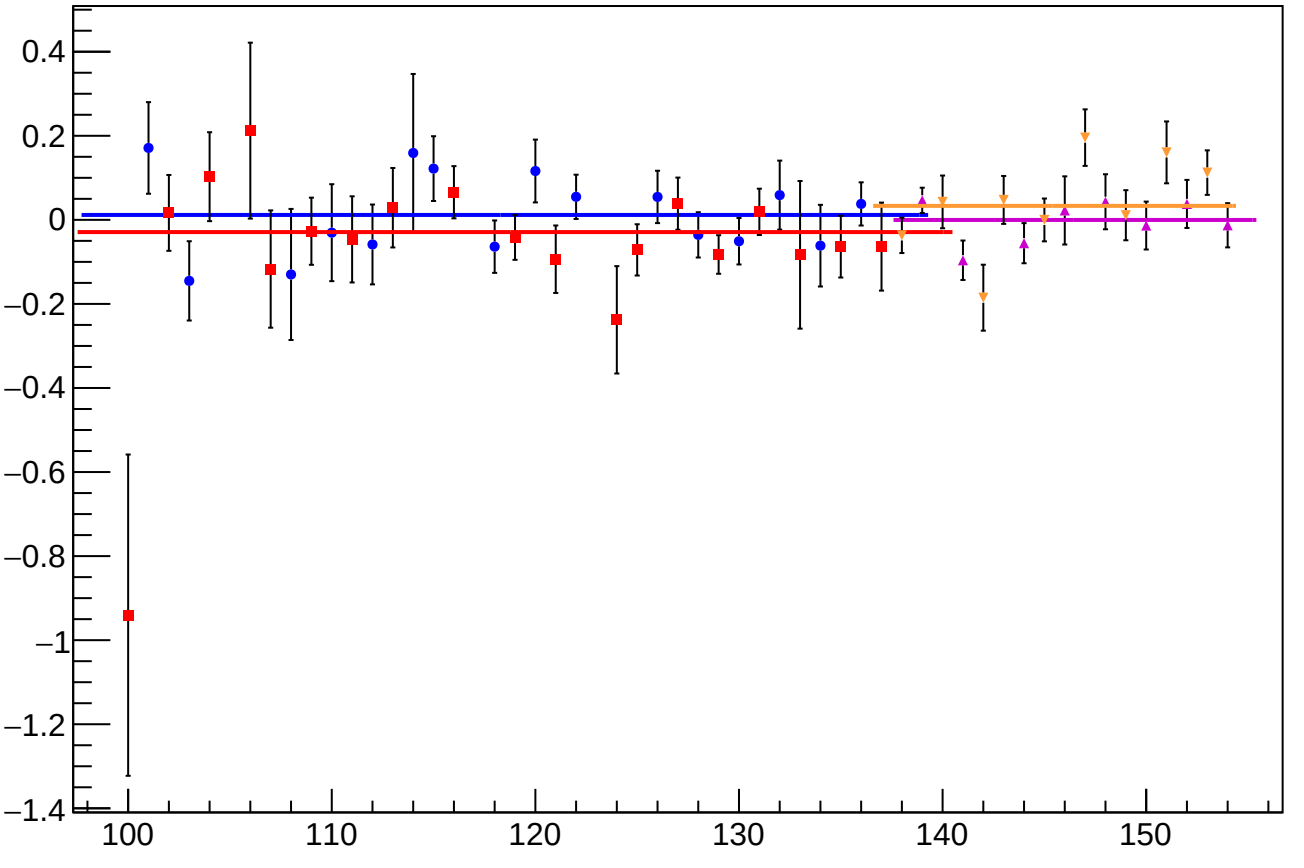
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:16.7/23

Out: -0.000+/-0.000 χ^2/NDF:29.0/27

All: -0.000+/-0.000 χ^2/NDF: 45.9/51


asym_sam_3726_avg_reg_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
0
100
110
120
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:452228.2/7
Left: 0.000+/-0.000 χ²/NDF: 2368023.2/16
Right: 0.000+/-0.000 χ²/NDF: 5394567.7/34
In: 0.000+/-0.000 χ²/NDF:3881951.1/23
Out: 0.000+/-0.000 χ²/NDF:6249132.5/27
All: 0.000+/-0.000 χ²/NDF: 11065311.0/51



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: -0.000+/-0.017 χ^2/NDF:9.0/7

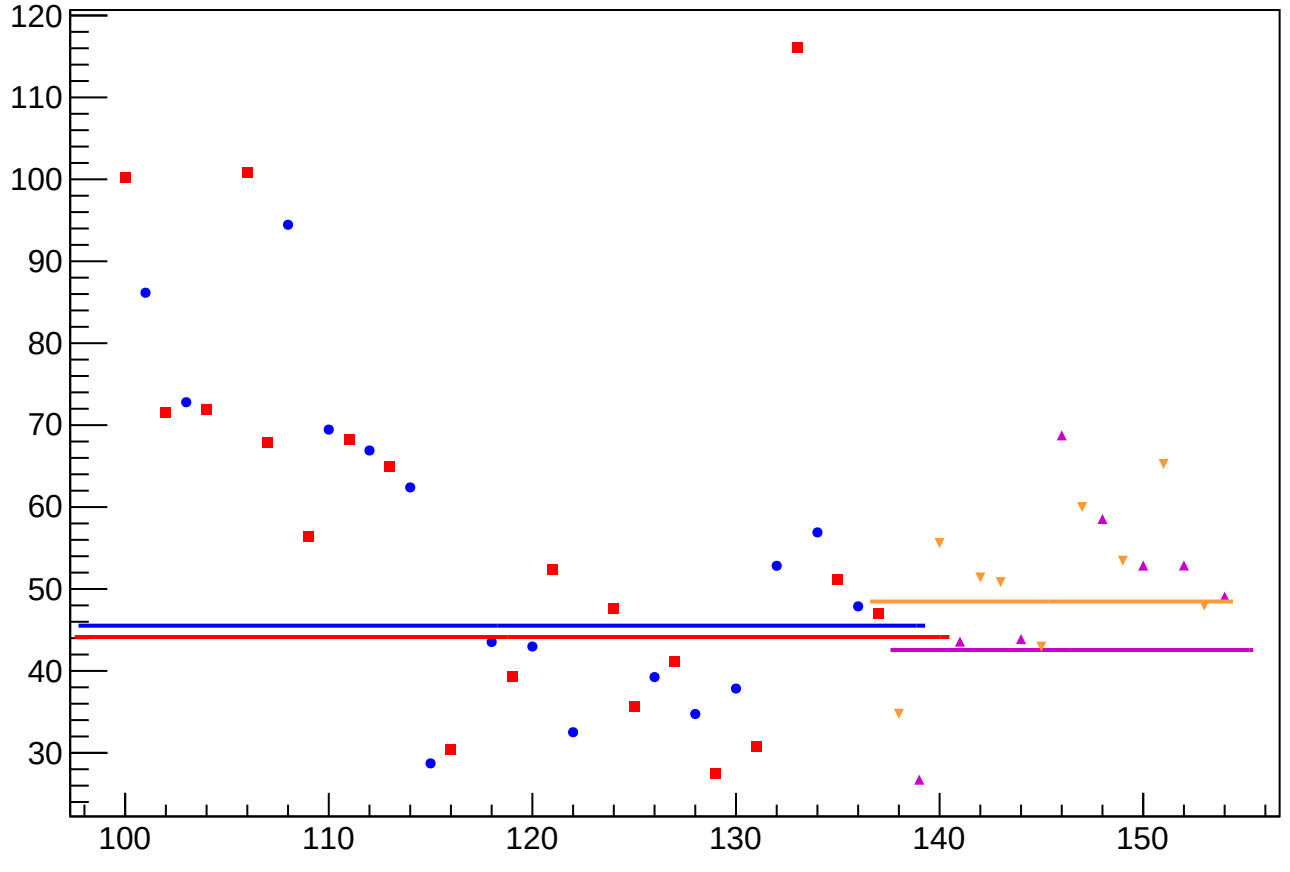
Left: 0.015+/-0.013 χ^2/NDF: 32.9/16

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:26.1/23

Out: -0.000+/-0.013 χ^2/NDF:47.5/27

All: 0.003+/-0.009 χ^2/NDF: 73.6/51



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: 42.556+/-0.012 χ^2/NDF:1043950.0/7

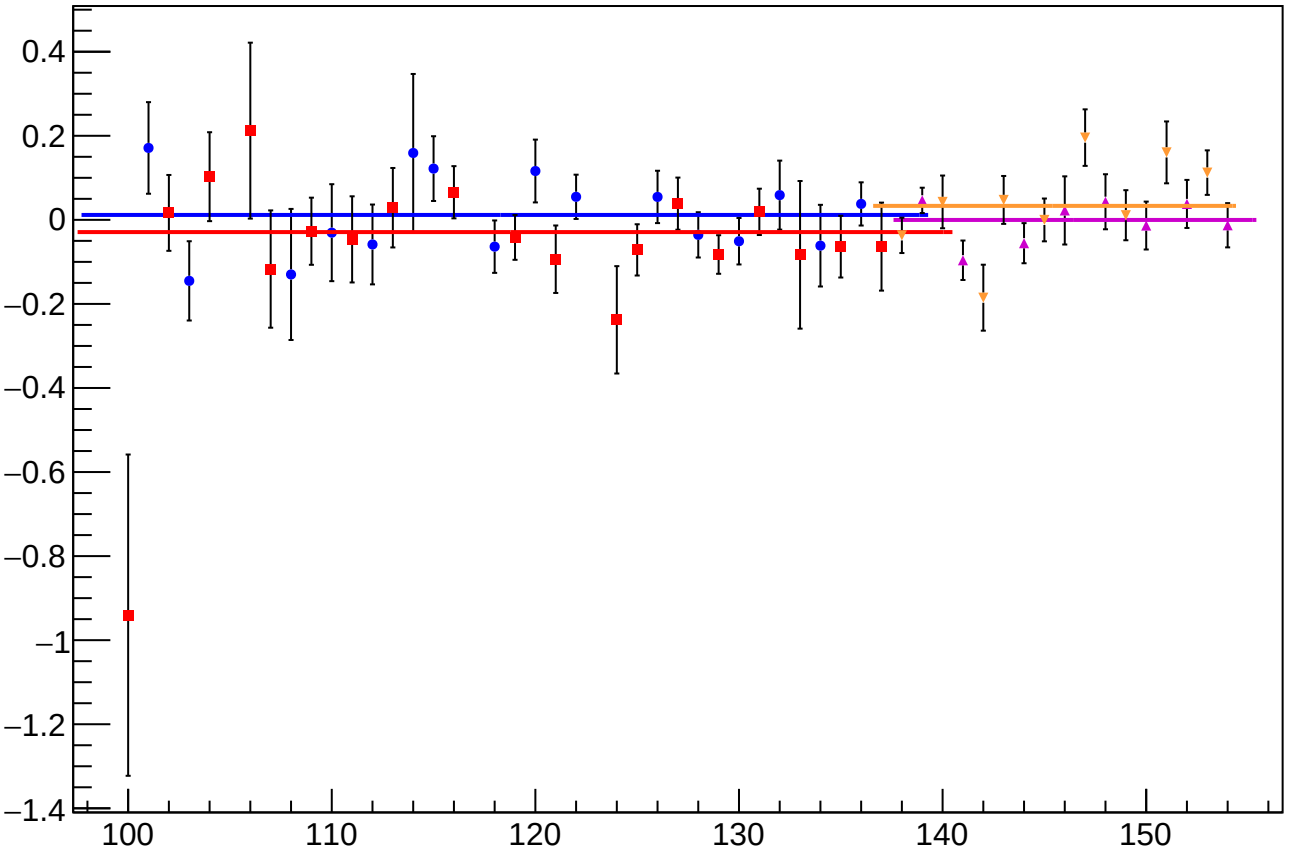
Left: 45.205+/-0.009 χ^2/NDF: 1594413.2/16

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 43.952+/-0.009 χ^2/NDF:2325736.4/23

Out: 46.156+/-0.009 χ^2/NDF:2243299.4/27

All: 45.010+/-0.006 χ^2/NDF: 4598575.7/51



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: -0.000+/-0.017 χ^2/NDF:9.0/7

Left: 0.015+/-0.013 χ^2/NDF: 32.9/16

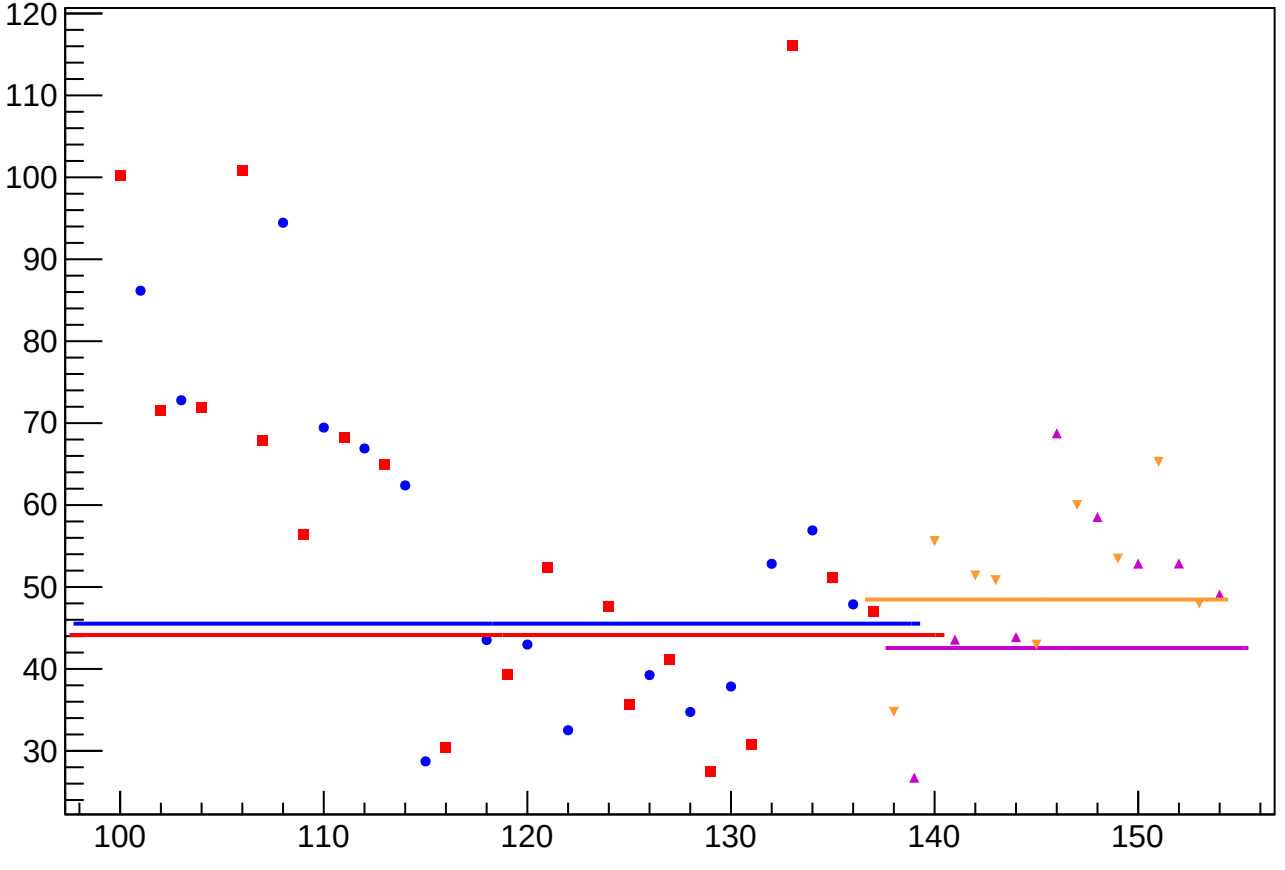
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:26.1/23

Out: -0.000+/-0.013 χ^2/NDF:47.5/27

All: 0.003+/-0.009 χ^2/NDF: 73.6/51

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.473+/-0.014 χ^2/NDF:445268.7/8

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 42.556+/-0.012 χ^2/NDF:1043950.0/7

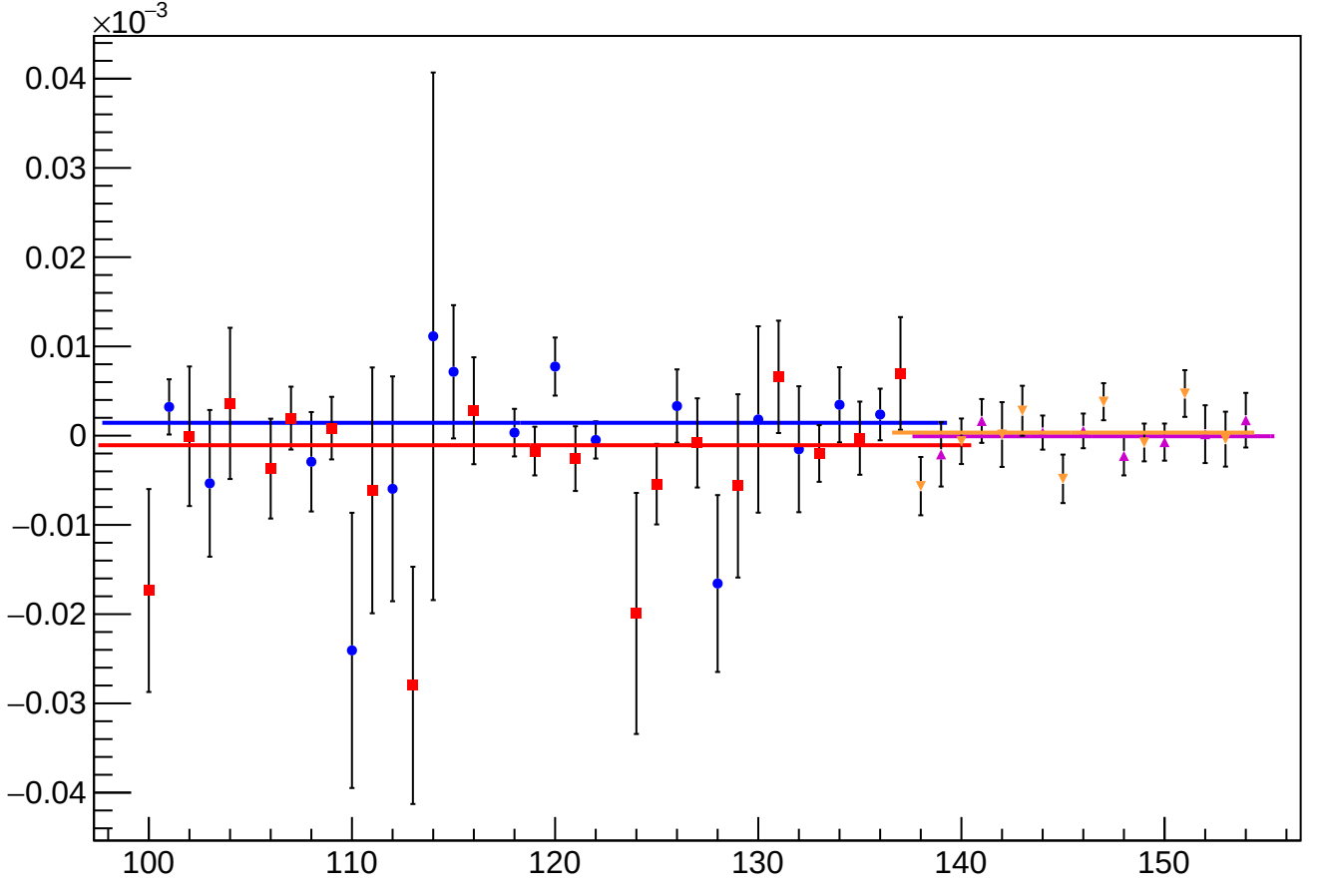
Left: 45.205+/-0.009 χ^2/NDF: 1594413.2/16

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 43.952+/-0.009 χ^2/NDF:2325736.4/23

Out: 46.156+/-0.009 χ^2/NDF:2243299.4/27

All: 45.010+/-0.006 χ^2/NDF: 4598575.7/51



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:2.4/7

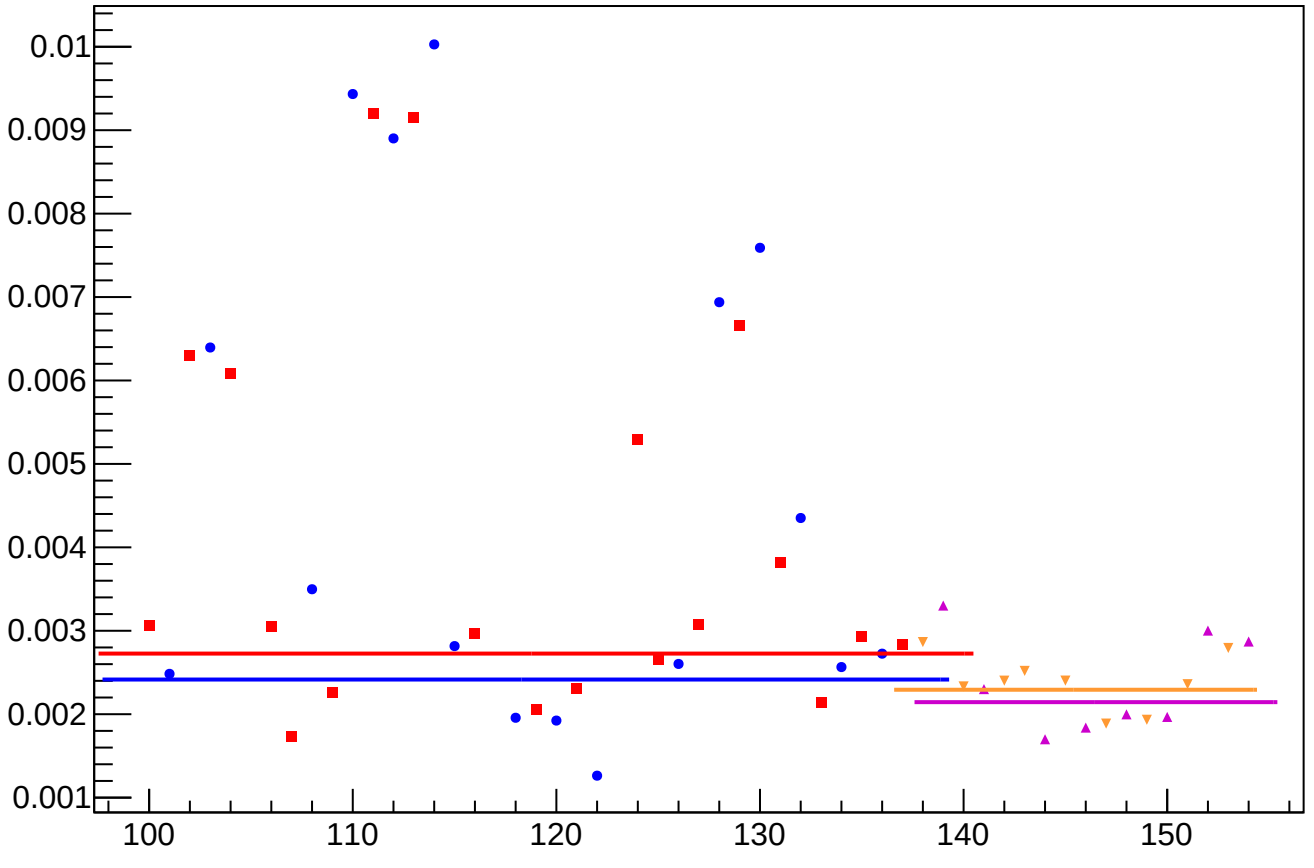
Left: 0.000+/-0.000 χ^2/NDF: 16.4/16

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:17.9/23

Out: -0.000+/-0.000 χ^2/NDF:29.6/27

All: 0.000+/-0.000 χ^2/NDF: 48.1/51



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:648352.5/7

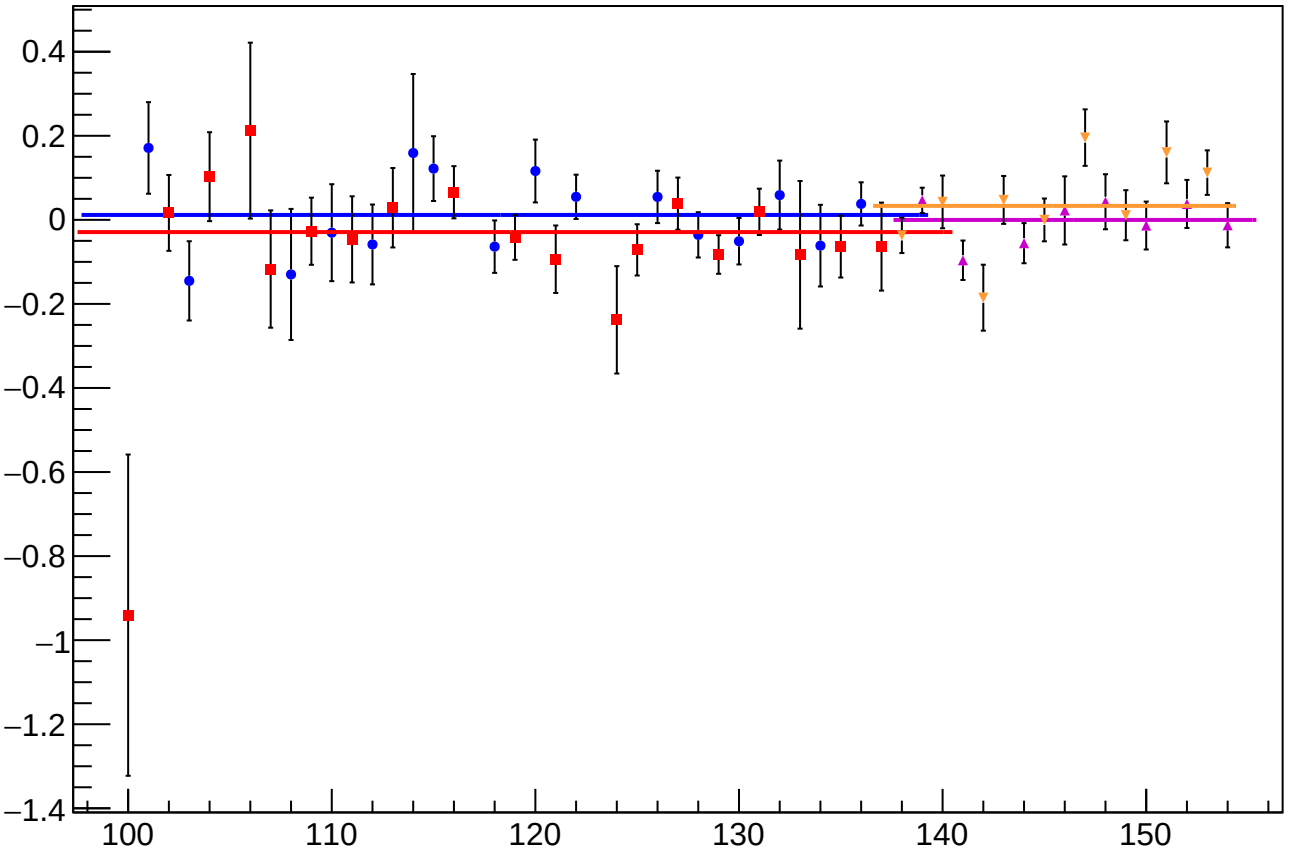
Left: 0.002+/-0.000 χ^2/NDF: 946709.4/16

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4162687.7/23

Out: 0.002+/-0.000 χ^2/NDF:2958430.3/27

All: 0.002+/-0.000 χ^2/NDF: 7215935.9/51



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: -0.000+/-0.017 χ^2/NDF:9.0/7

Left: 0.015+/-0.013 χ^2/NDF: 32.9/16

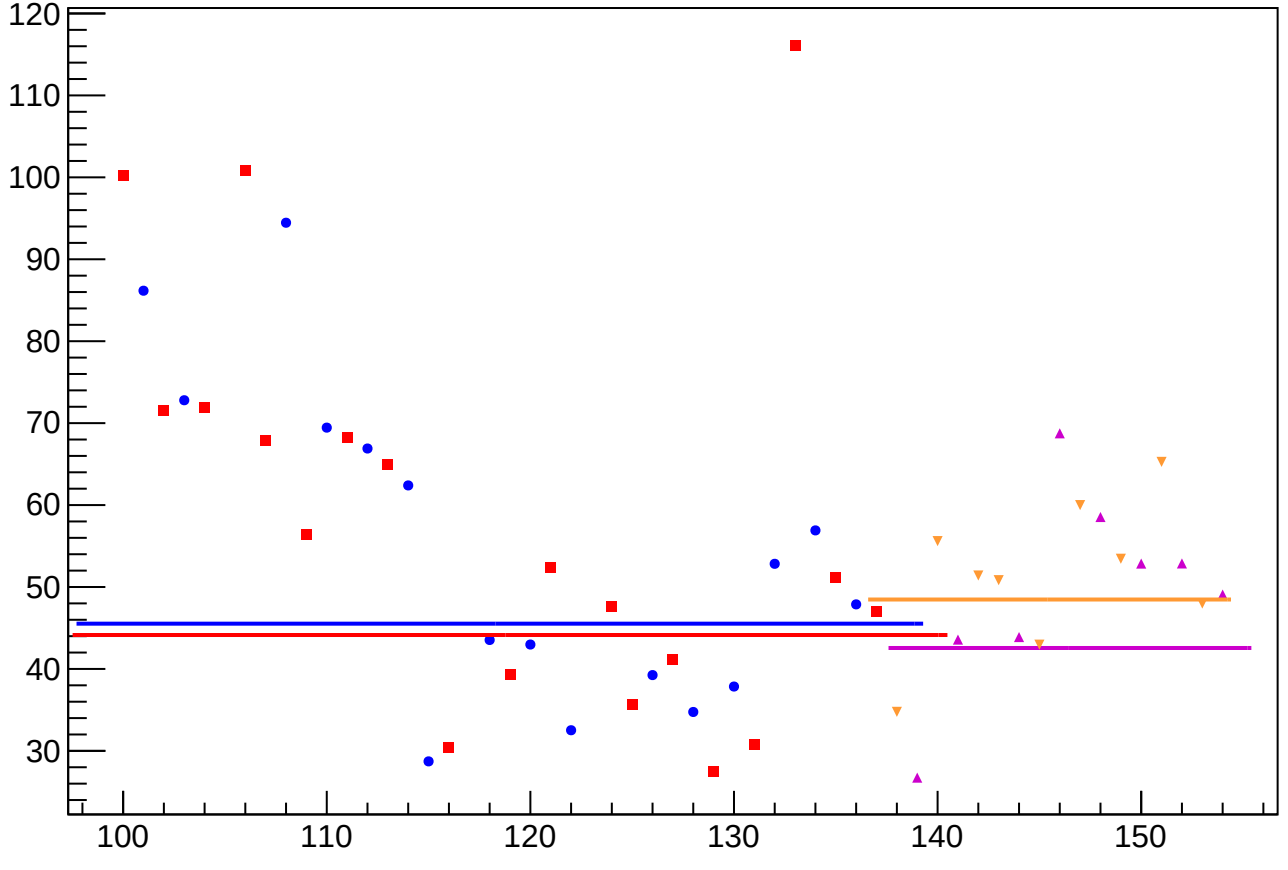
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:26.1/23

Out: -0.000+/-0.013 χ^2/NDF:47.5/27

All: 0.003+/-0.009 χ^2/NDF: 73.6/51

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.473+/-0.014 χ^2/NDF:445293.1/8

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 42.557+/-0.012 χ^2/NDF:1043977.8/7

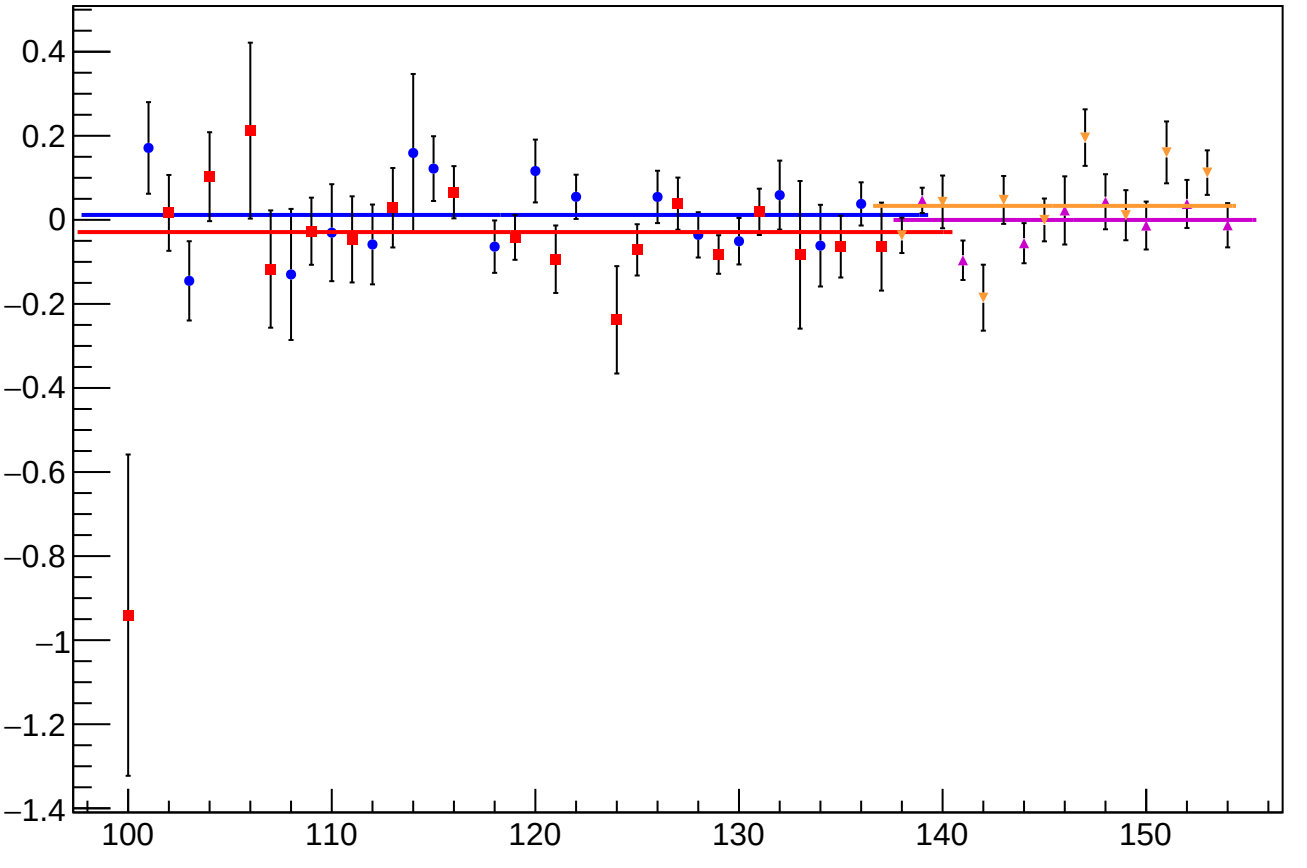
Left: 45.205+/-0.009 χ^2/NDF: 1594465.9/16

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 43.953+/-0.009 χ^2/NDF:2325712.7/23

Out: 46.157+/-0.009 χ^2/NDF:2243243.8/27

All: 45.010+/-0.006 χ^2/NDF: 4598500.8/51



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: -0.000+/-0.017 χ^2/NDF:9.0/7

Left: 0.015+/-0.013 χ^2/NDF: 32.9/16

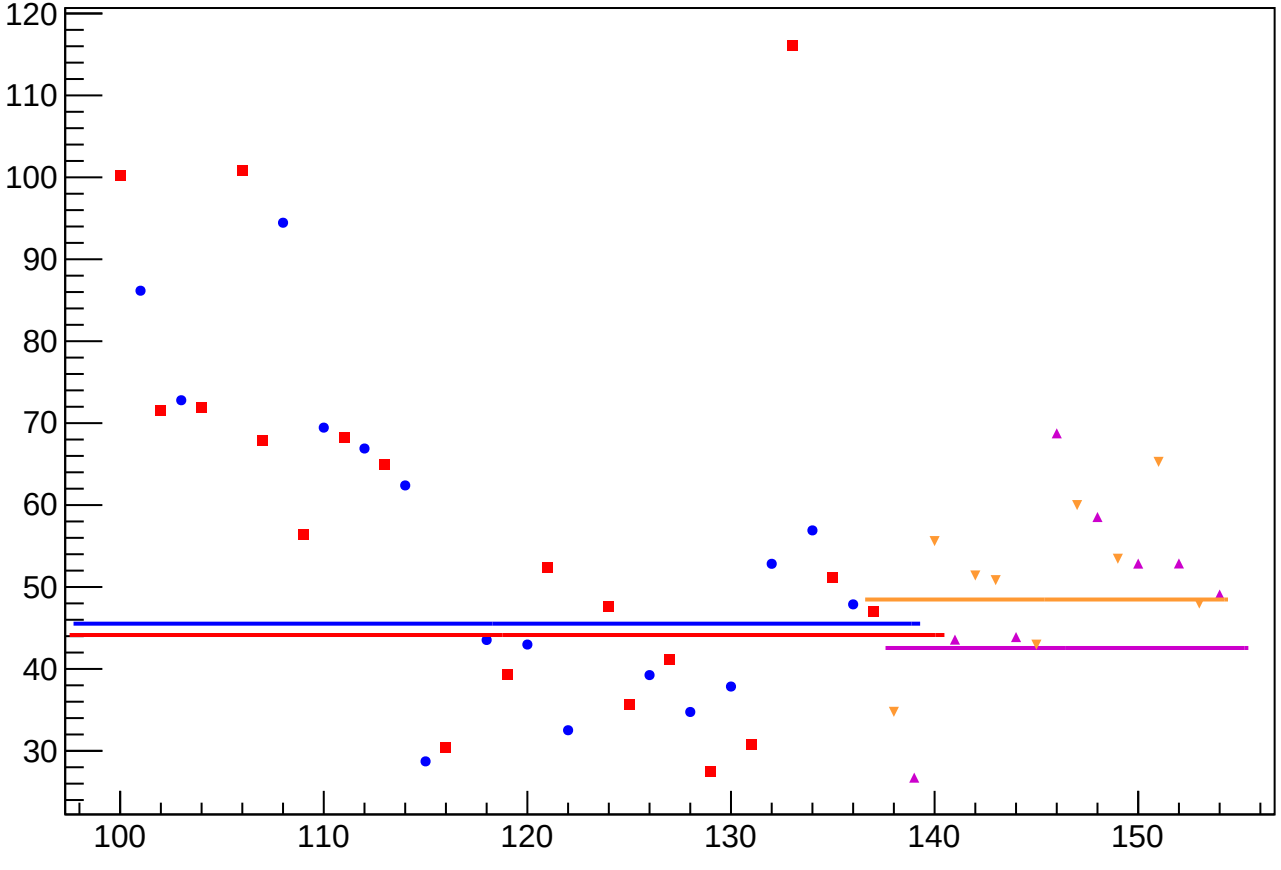
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:26.1/23

Out: -0.000+/-0.013 χ^2/NDF:47.5/27

All: 0.003+/-0.009 χ^2/NDF: 73.6/51

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: 42.557+/-0.012 χ^2/NDF:1043977.8/7

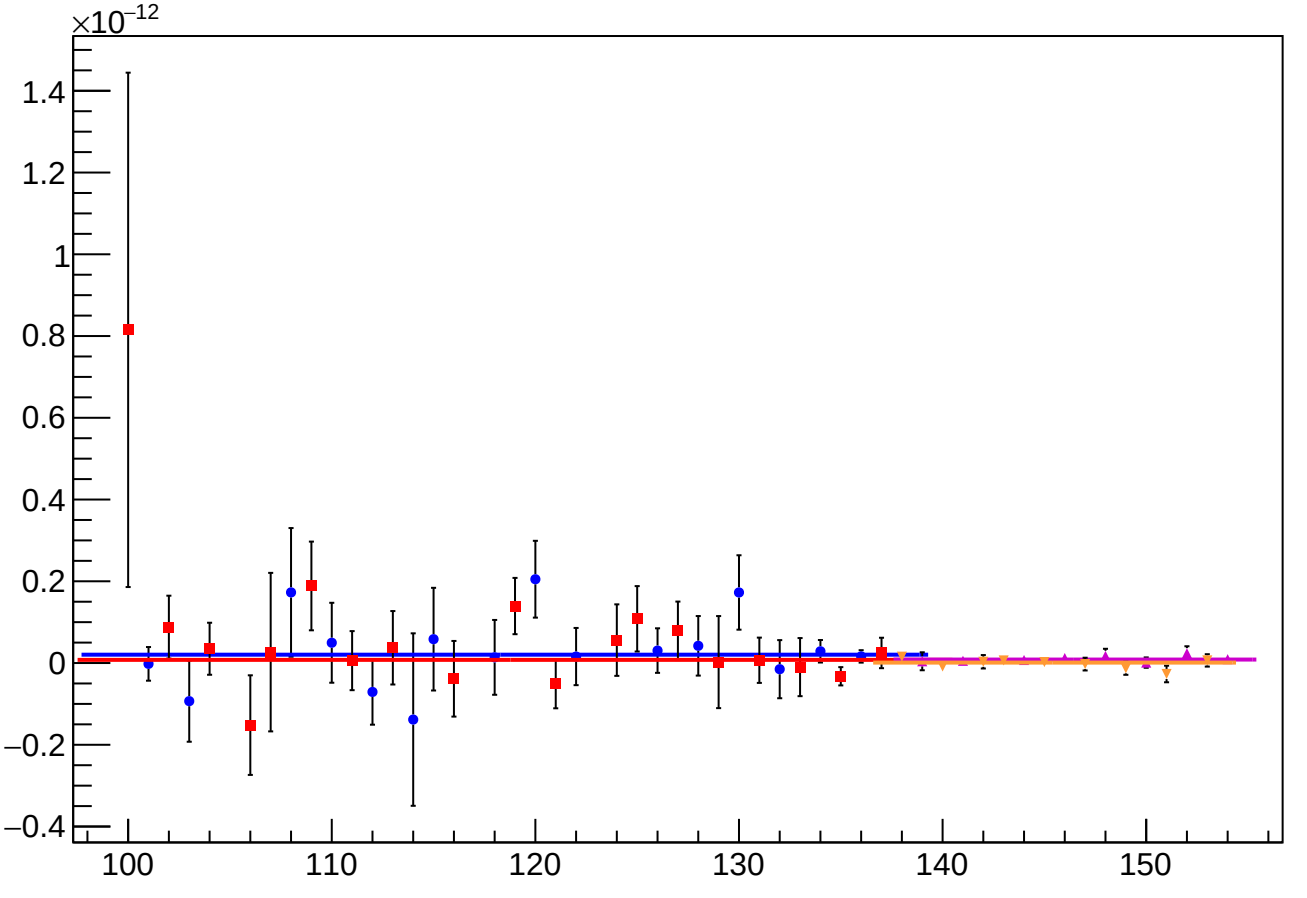
Left: 45.205+/-0.009 χ^2/NDF: 1594465.9/16

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 43.953+/-0.009 χ^2/NDF:2325712.7/23

Out: 46.157+/-0.009 χ^2/NDF:2243243.8/27

All: 45.010+/-0.006 χ^2/NDF: 4598500.8/51



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:1.8/7

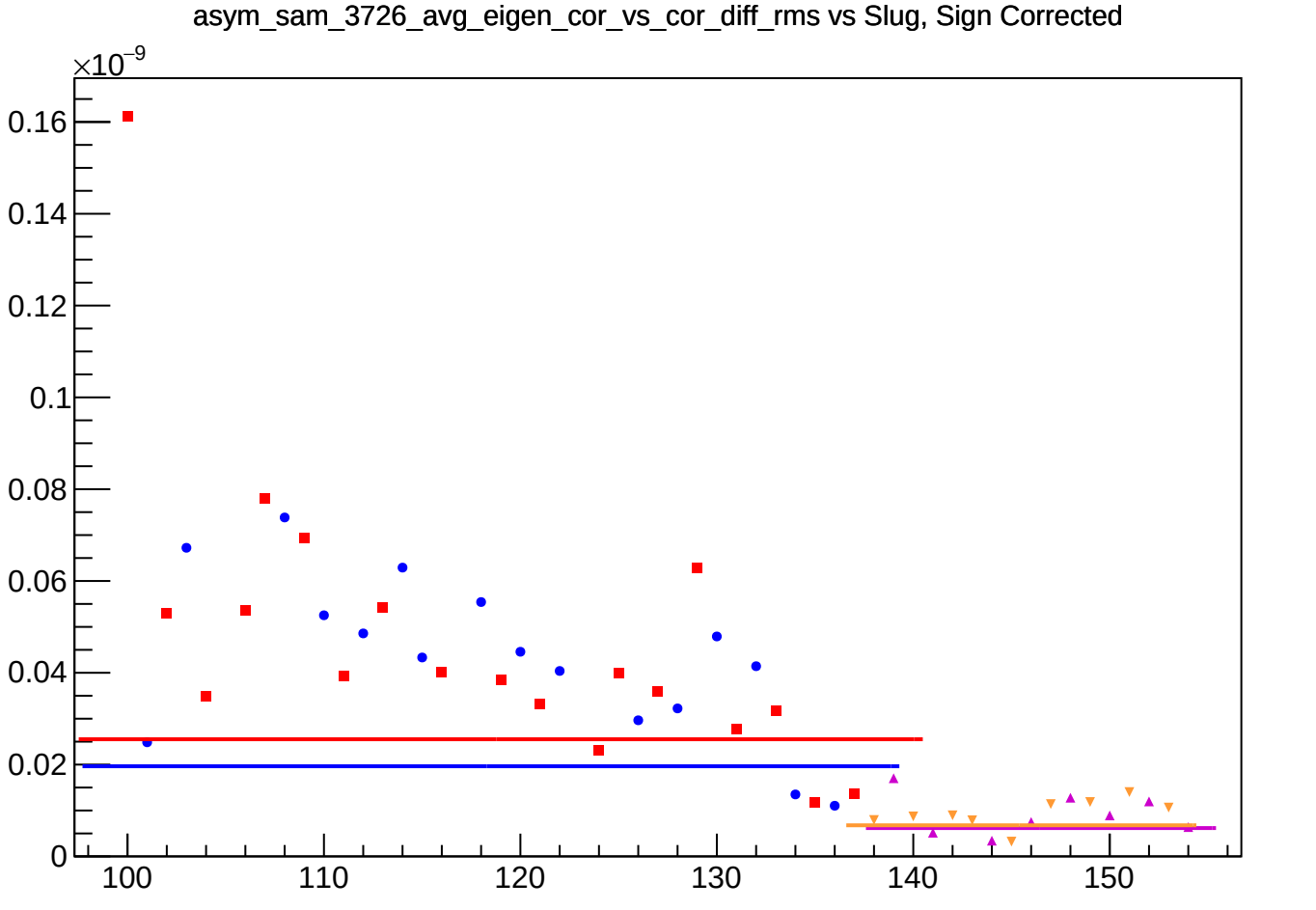
Left: 0.000+/-0.000 χ^2/NDF: 9.1/16

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:14.6/23

Out: 0.000+/-0.000 χ^2/NDF:24.3/27

All: 0.000+/-0.000 χ^2/NDF: 41.6/51



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:1624286.3/7

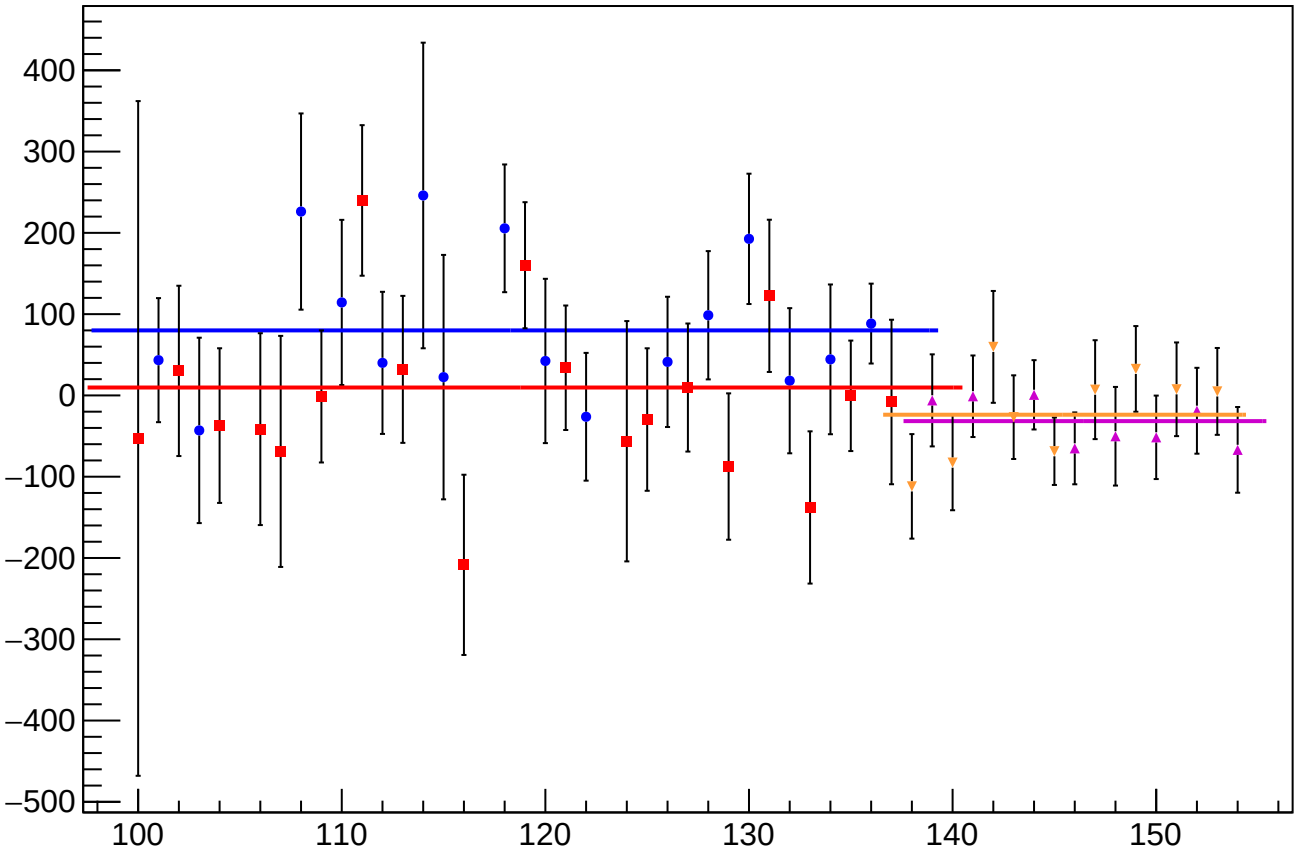
Left: 0.000+/-0.000 χ^2/NDF: 3354875.0/16

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7497698.4/23

Out: 0.000+/-0.000 χ^2/NDF:7900165.5/27

All: 0.000+/-0.000 χ^2/NDF: 15428704.1/51



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: -31.616+/-17.847 χ^2/NDF:2.5/7

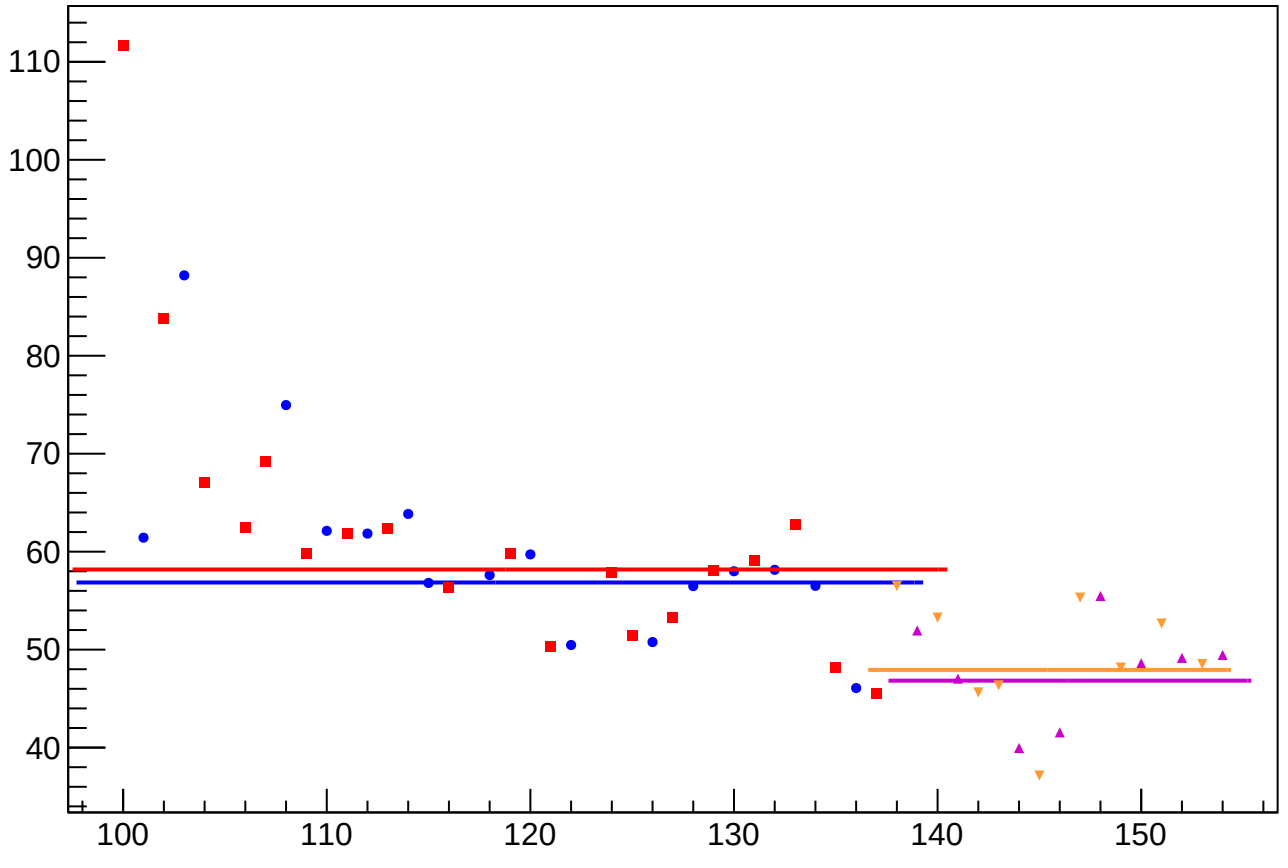
Left: -27.778+/-12.779 χ^2/NDF: 10.1/16

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 13.979+/-13.726 χ^2/NDF:30.0/23

Out: -9.762+/-13.970 χ^2/NDF:29.3/27

All: 2.318+/-9.791 χ^2/NDF: 60.7/51



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: 46.834+/-0.013 χ^2/NDF:148692.4/7

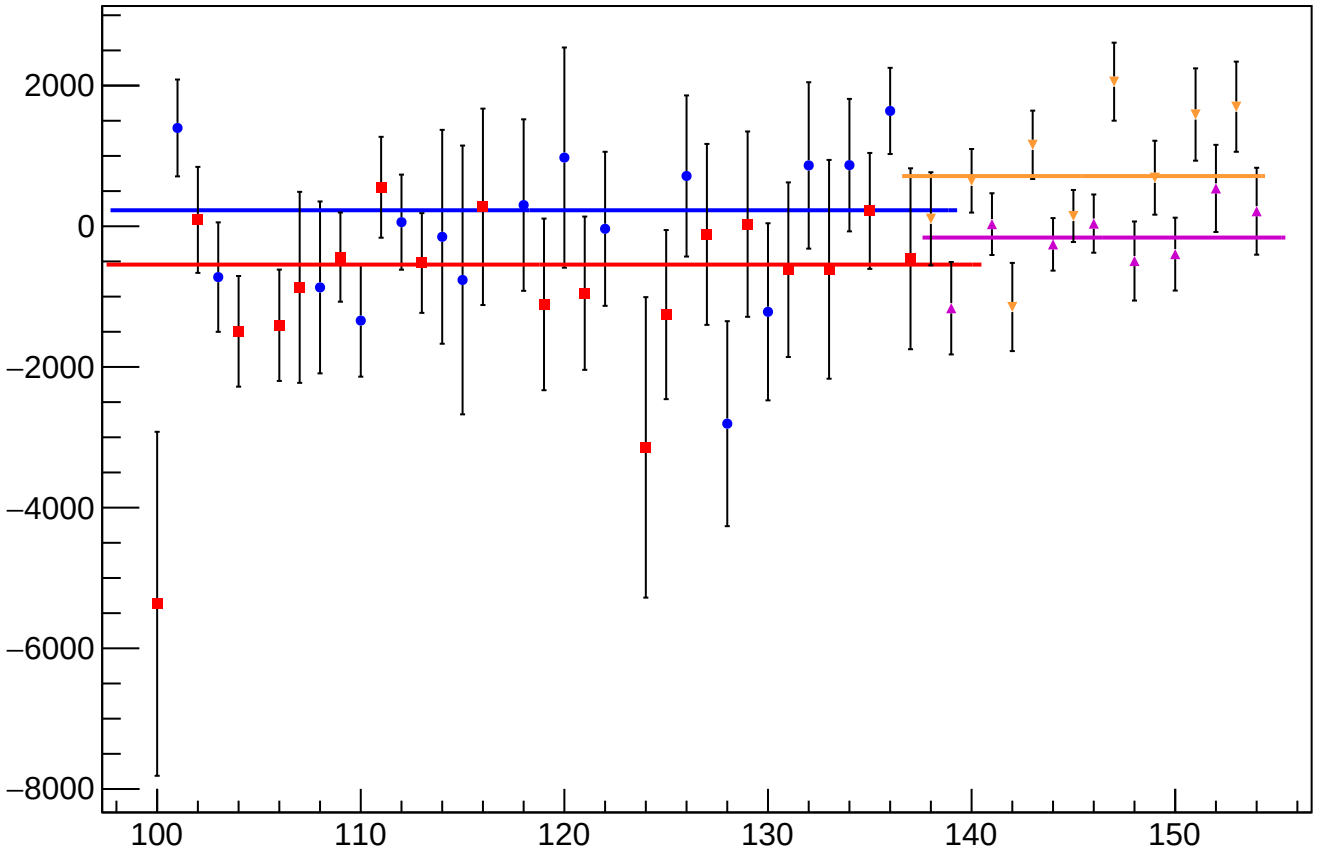
Left: 47.368+/-0.009 χ^2/NDF: 386662.6/16

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.928+/-0.010 χ^2/NDF:747853.3/23

Out: 52.211+/-0.010 χ^2/NDF:810937.2/27

All: 51.558+/-0.007 χ^2/NDF: 1567377.3/51



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: -160.637+/-175.068 χ^2/NDF:5.0/7

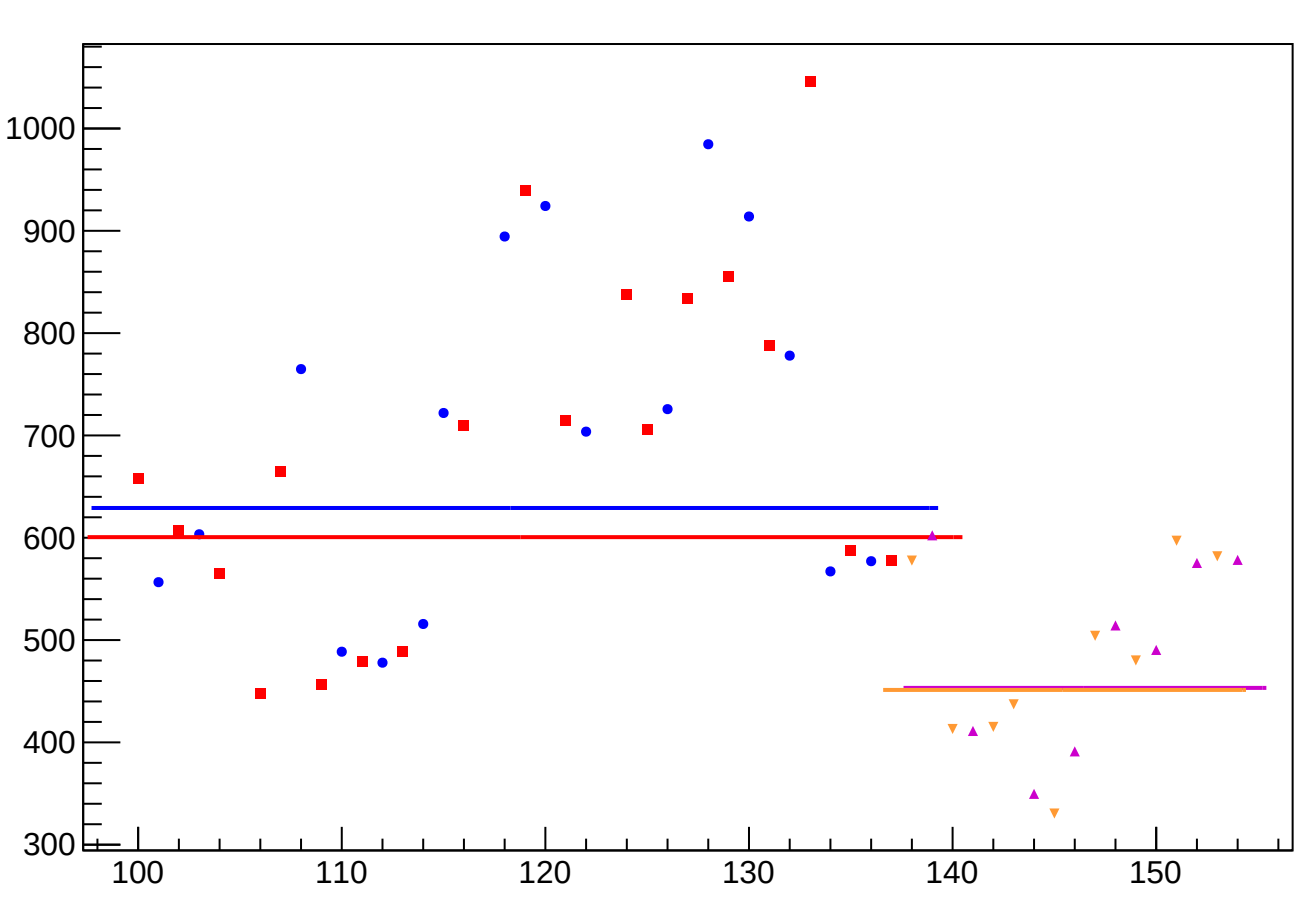
Left: 278.184+/-123.531 χ^2/NDF: 40.4/16

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -26.729+/-141.686 χ^2/NDF:28.4/23

Out: 247.213+/-138.318 χ^2/NDF:55.5/27

All: 113.537+/-98.975 χ^2/NDF: 85.8/51



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: 453.251+/-0.124 χ^2/NDF:513756.9/7

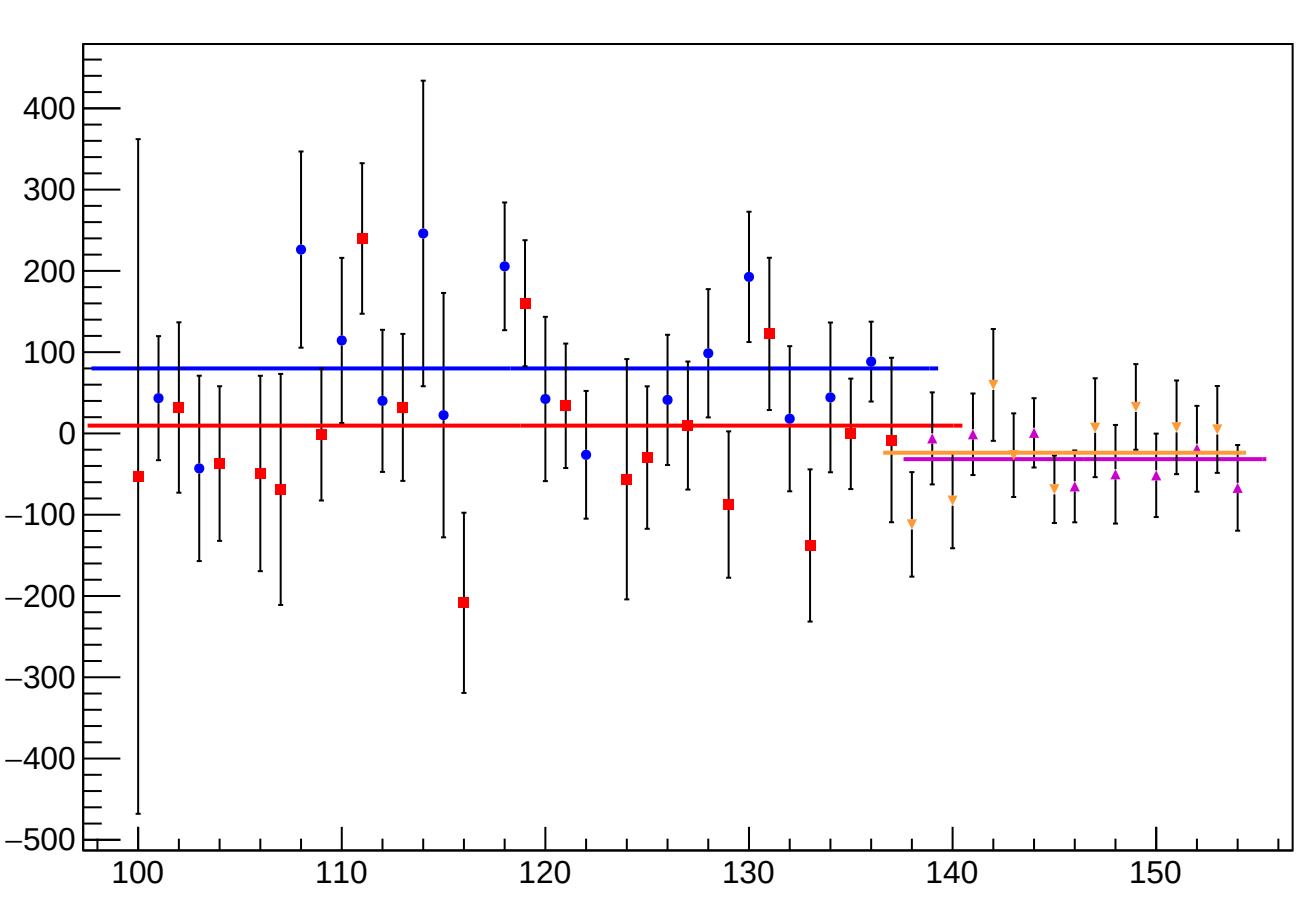
Left: 452.252+/-0.087 χ^2/NDF: 1029110.5/16

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 513.917+/-0.100 χ^2/NDF:1902606.6/23

Out: 506.588+/-0.098 χ^2/NDF:1933534.8/27

All: 510.164+/-0.070 χ^2/NDF: 3838881.5/51



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: -31.617+/-17.847 χ^2/NDF:2.5/7

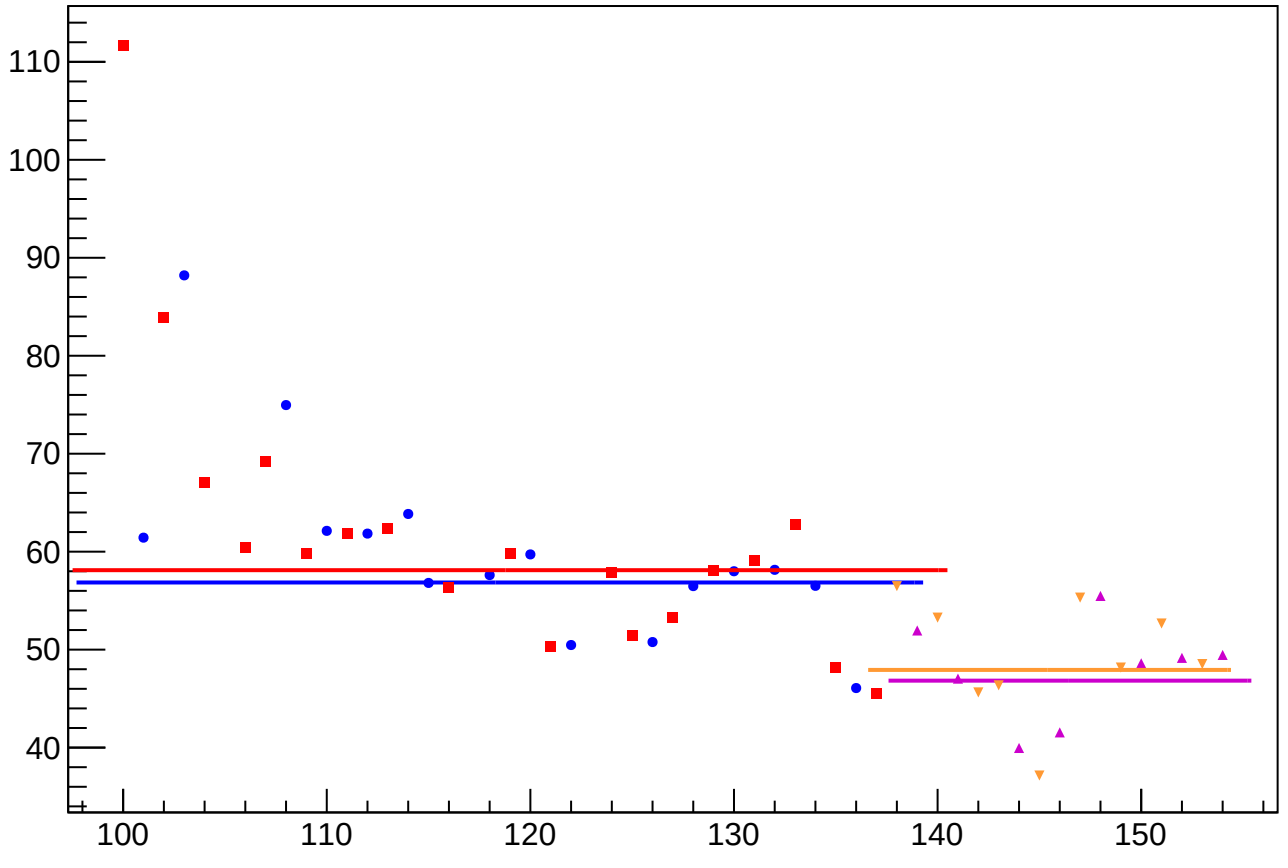
Left: -27.781+/-12.779 χ^2/NDF: 10.1/16

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 13.980+/-13.726 χ^2/NDF:30.0/23

Out: -9.822+/-13.974 χ^2/NDF:29.3/27

All: 2.292+/-9.792 χ^2/NDF: 60.8/51



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: 46.834+/-0.013 χ^2/NDF:148692.4/7

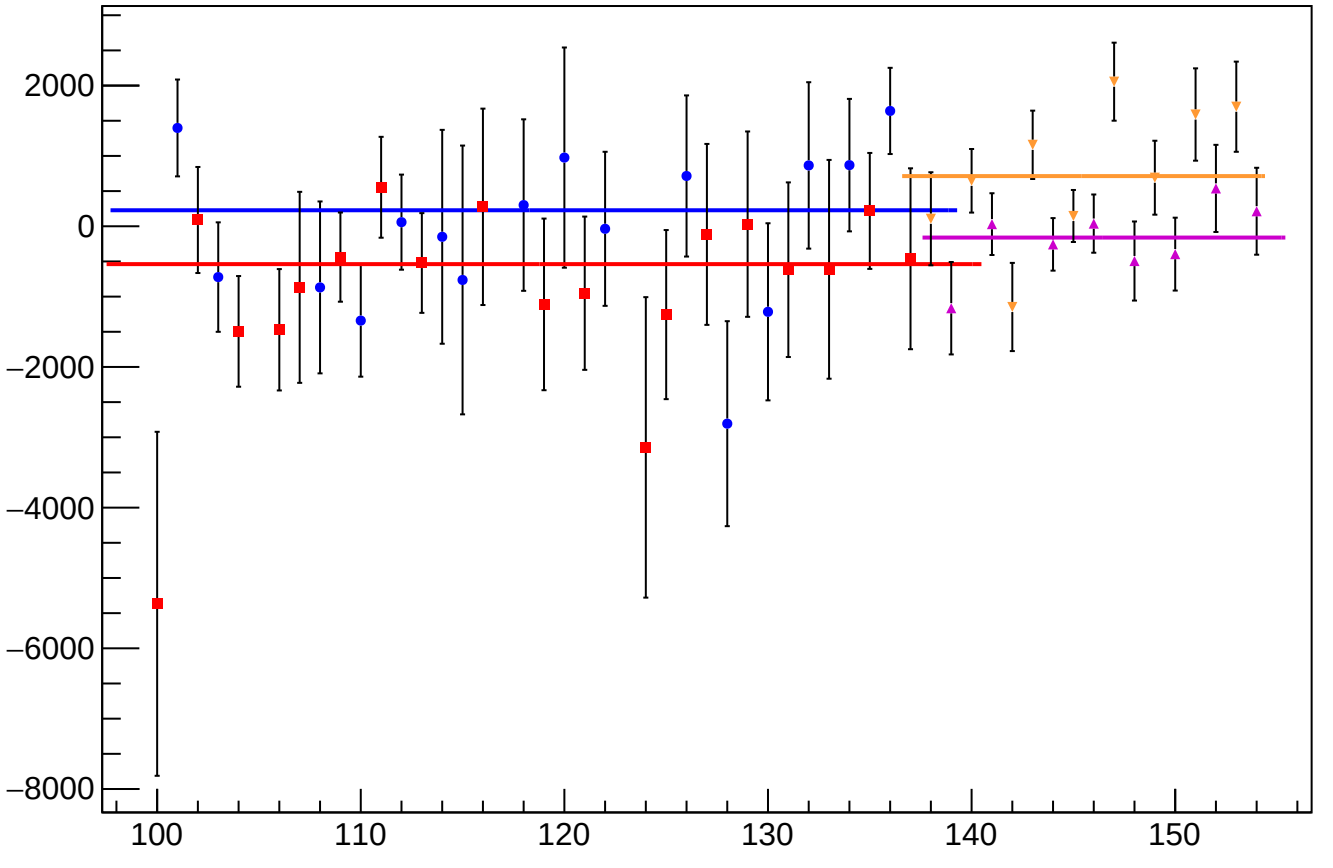
Left: 47.368+/-0.009 χ^2/NDF: 386662.6/16

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.928+/-0.010 χ^2/NDF:747857.3/23

Out: 52.178+/-0.010 χ^2/NDF:805424.1/27

All: 51.542+/-0.007 χ^2/NDF: 1561434.7/51



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: -160.641+/-175.068 χ^2/NDF:5.0/7

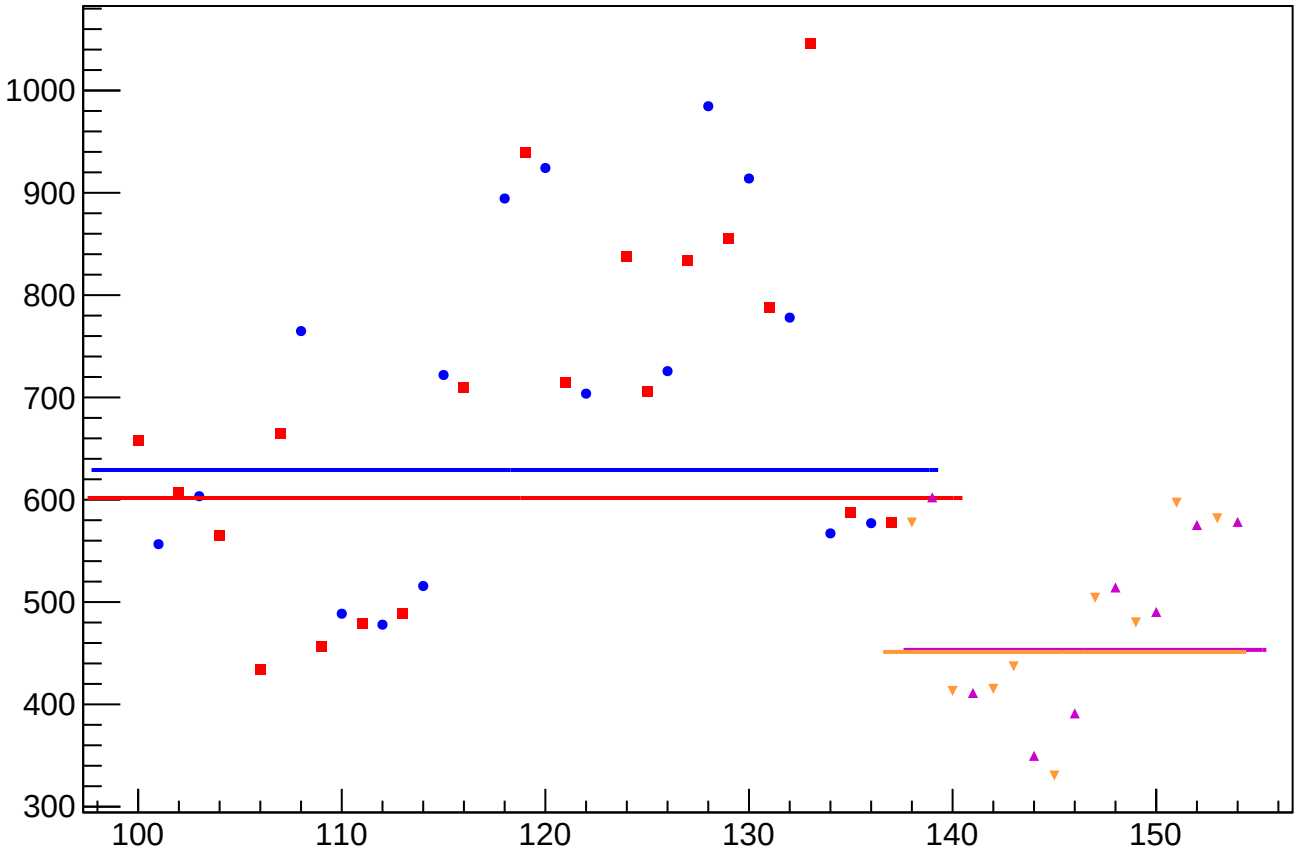
Left: 278.181+/-123.531 χ^2/NDF: 40.4/16

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -26.720+/-141.687 χ^2/NDF:28.4/23

Out: 253.539+/-138.657 χ^2/NDF:55.1/27

All: 116.438+/-99.099 χ^2/NDF: 85.5/51



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: 453.252+/-0.124 χ^2/NDF:513756.3/7

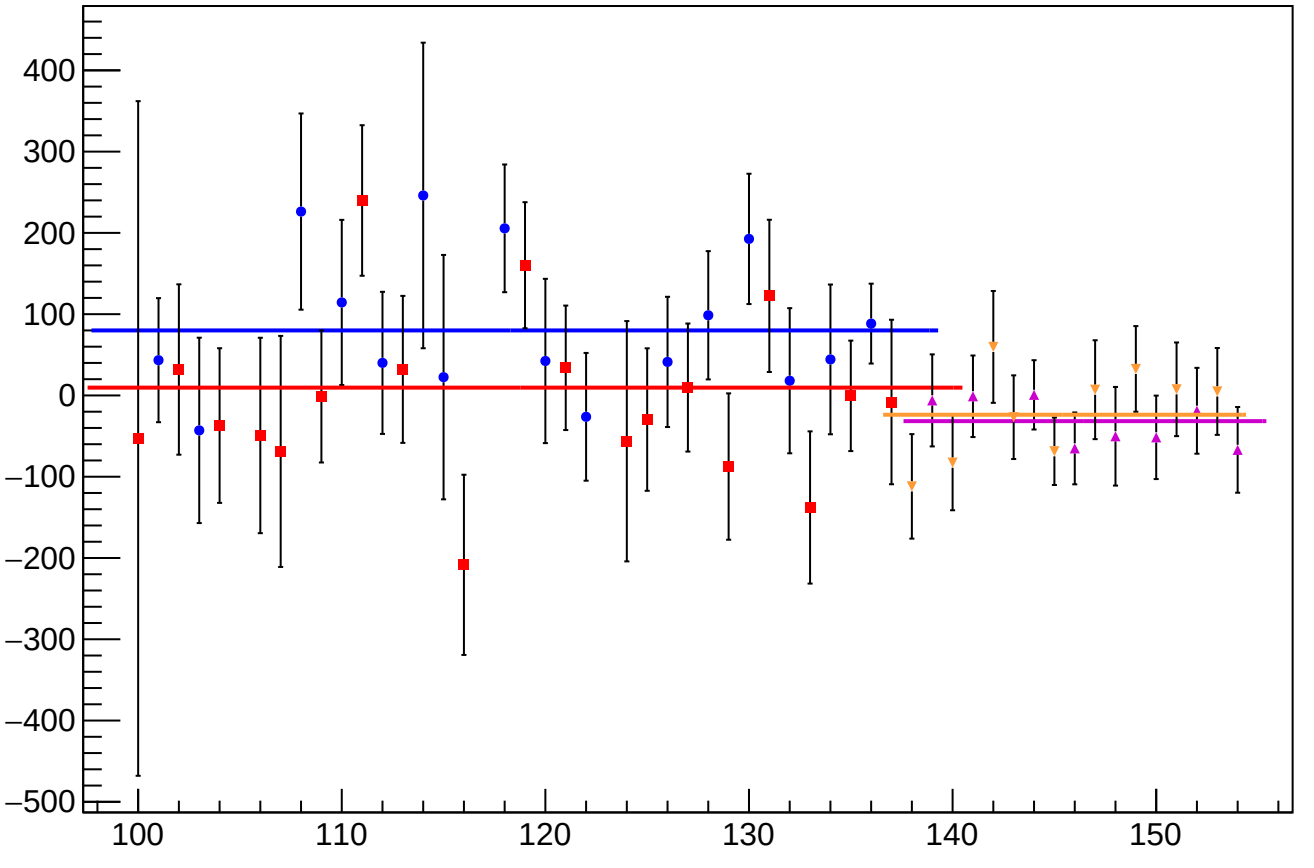
Left: 452.252+/-0.087 χ^2/NDF: 1029112.2/16

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 513.918+/-0.100 χ^2/NDF:1902626.5/23

Out: 506.541+/-0.098 χ^2/NDF:1936607.7/27

All: 510.150+/-0.070 χ^2/NDF: 3842003.8/51



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: -31.617+/-17.847 χ^2/NDF:2.5/7

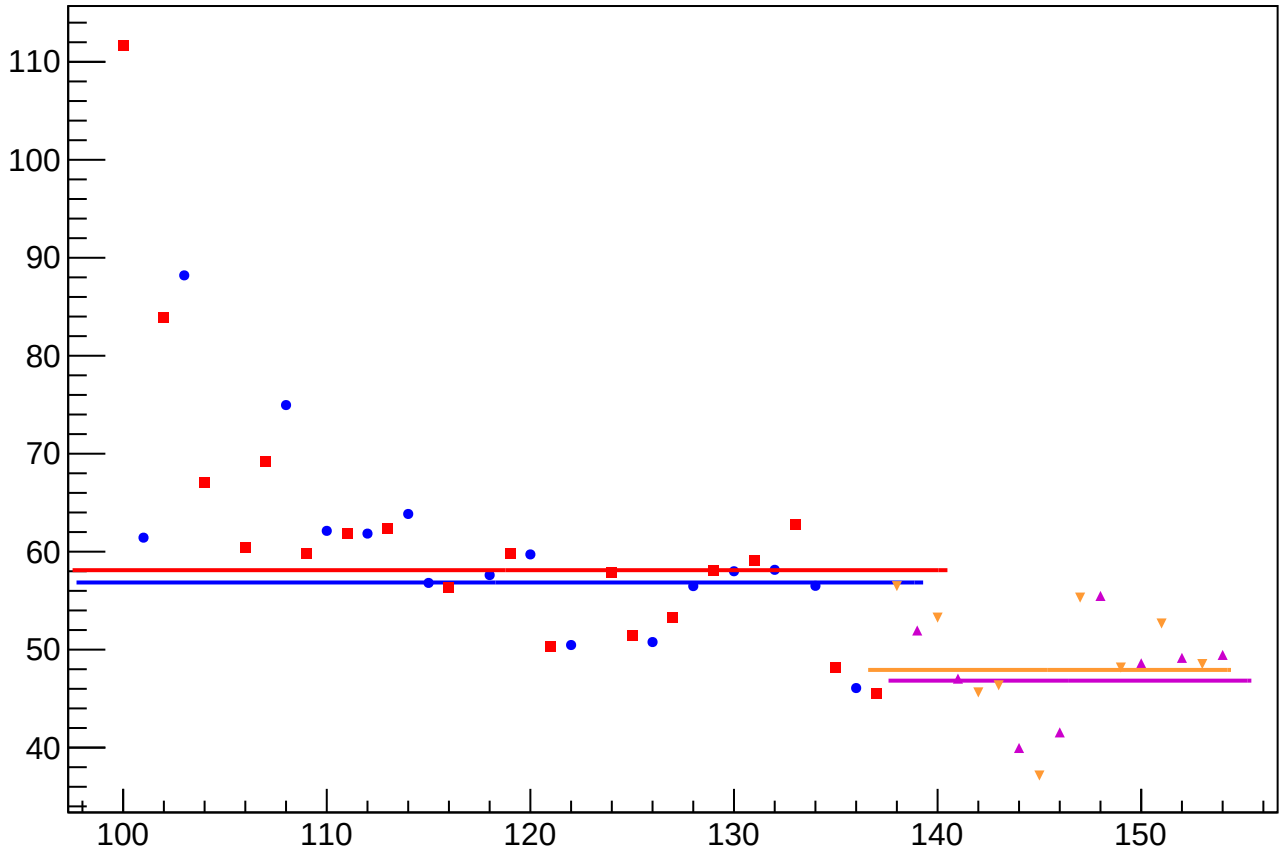
Left: -27.781+/-12.779 χ^2/NDF: 10.1/16

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 13.980+/-13.726 χ^2/NDF:30.0/23

Out: -9.822+/-13.974 χ^2/NDF:29.3/27

All: 2.292+/-9.792 χ^2/NDF: 60.8/51



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: 46.834+/-0.013 χ^2/NDF:148692.4/7

Left: 47.368+/-0.009 χ^2/NDF: 386662.6/16

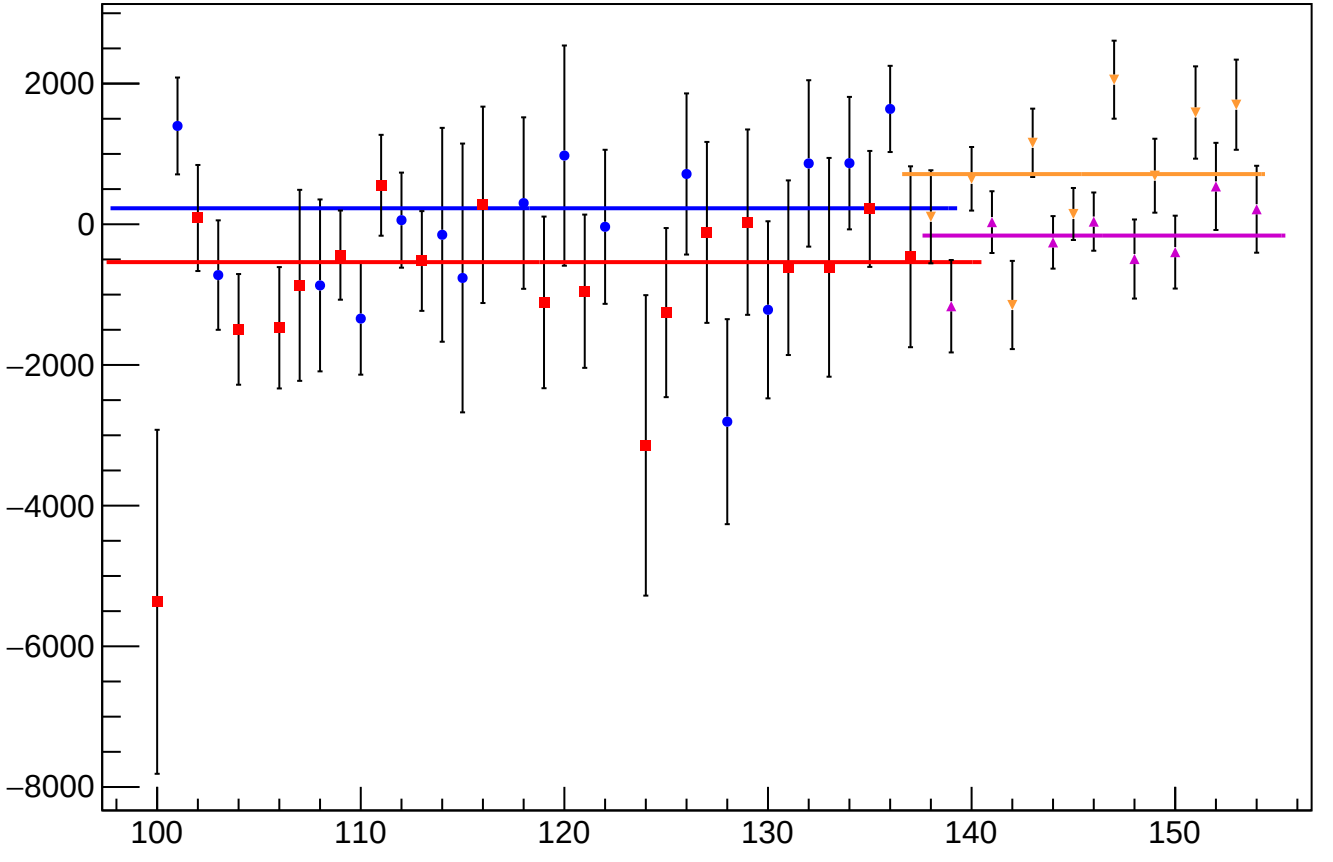
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.928+/-0.010 χ^2/NDF:747857.3/23

Out: 52.178+/-0.010 χ^2/NDF:805424.1/27

All: 51.542+/-0.007 χ^2/NDF: 1561434.7/51

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -160.641+/-175.068 χ^2/NDF:5.0/7

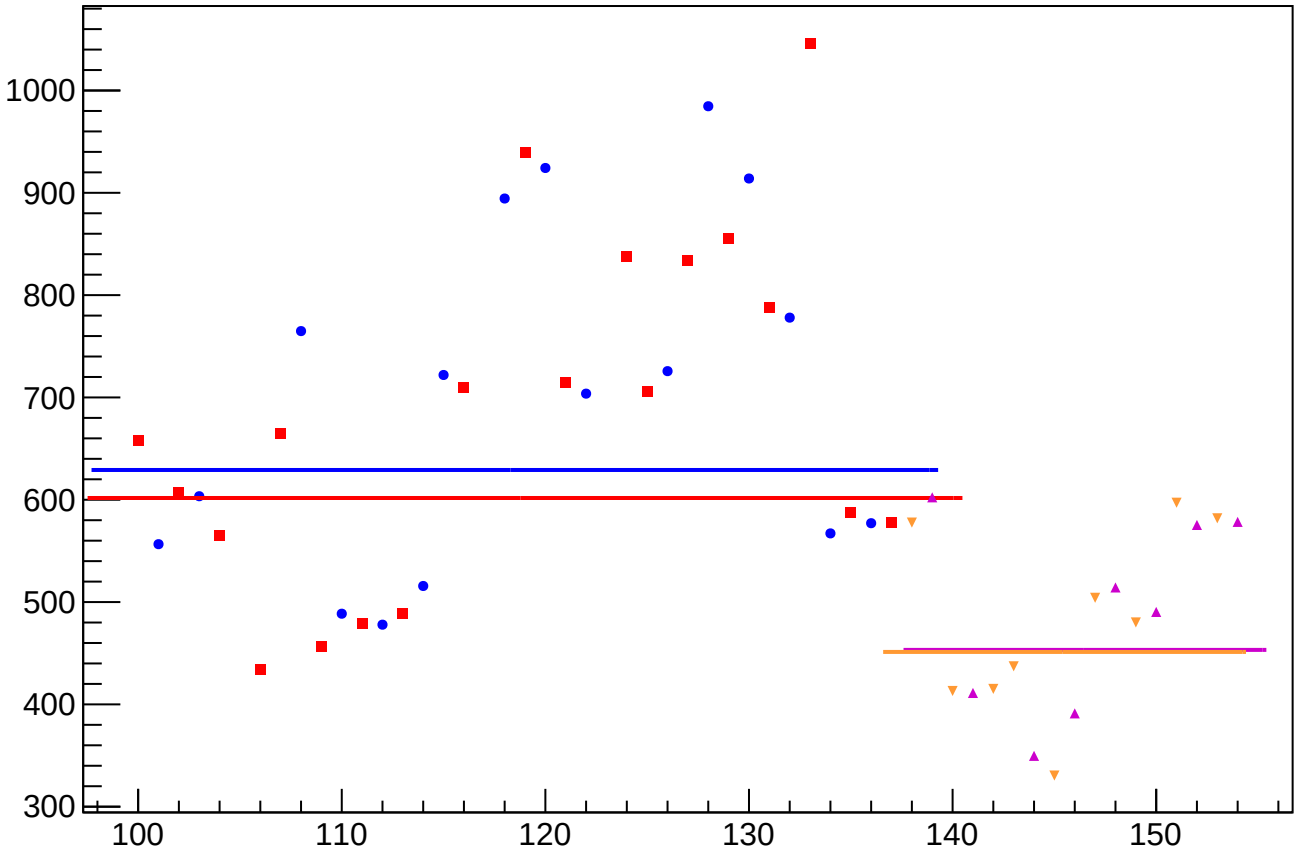
Left: 278.181+/-123.531 χ^2/NDF: 40.4/16

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -26.720+/-141.687 χ^2/NDF:28.4/23

Out: 253.539+/-138.657 χ^2/NDF:55.1/27

All: 116.438+/-99.099 χ^2/NDF: 85.5/51



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: 453.252+/-0.124 χ^2/NDF:513756.3/7

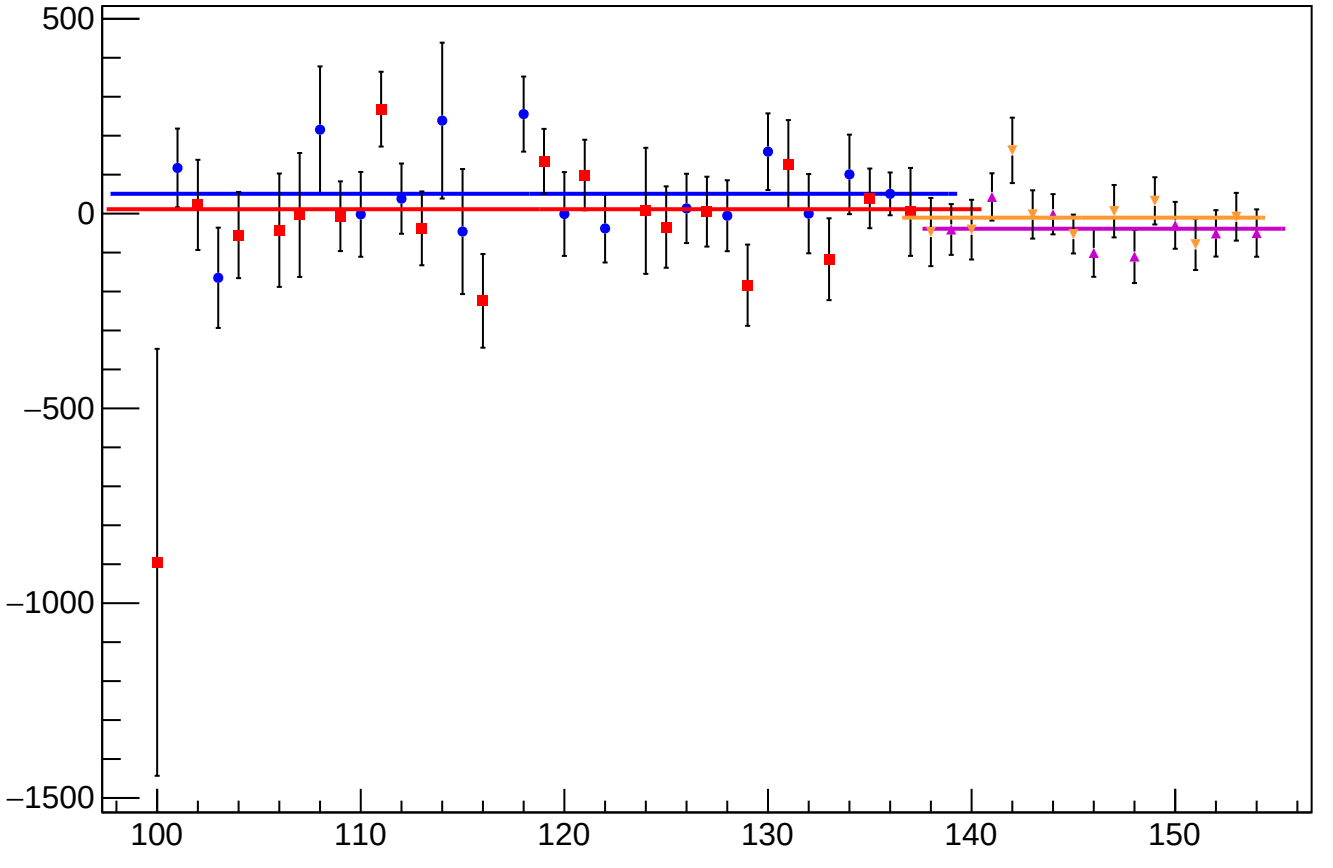
Left: 452.252+/-0.087 χ^2/NDF: 1029112.2/16

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 513.918+/-0.100 χ^2/NDF:1902626.5/23

Out: 506.541+/-0.098 χ^2/NDF:1936607.7/27

All: 510.150+/-0.070 χ^2/NDF: 3842003.8/51



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: -38.860+/-21.358 χ^2/NDF:4.5/7

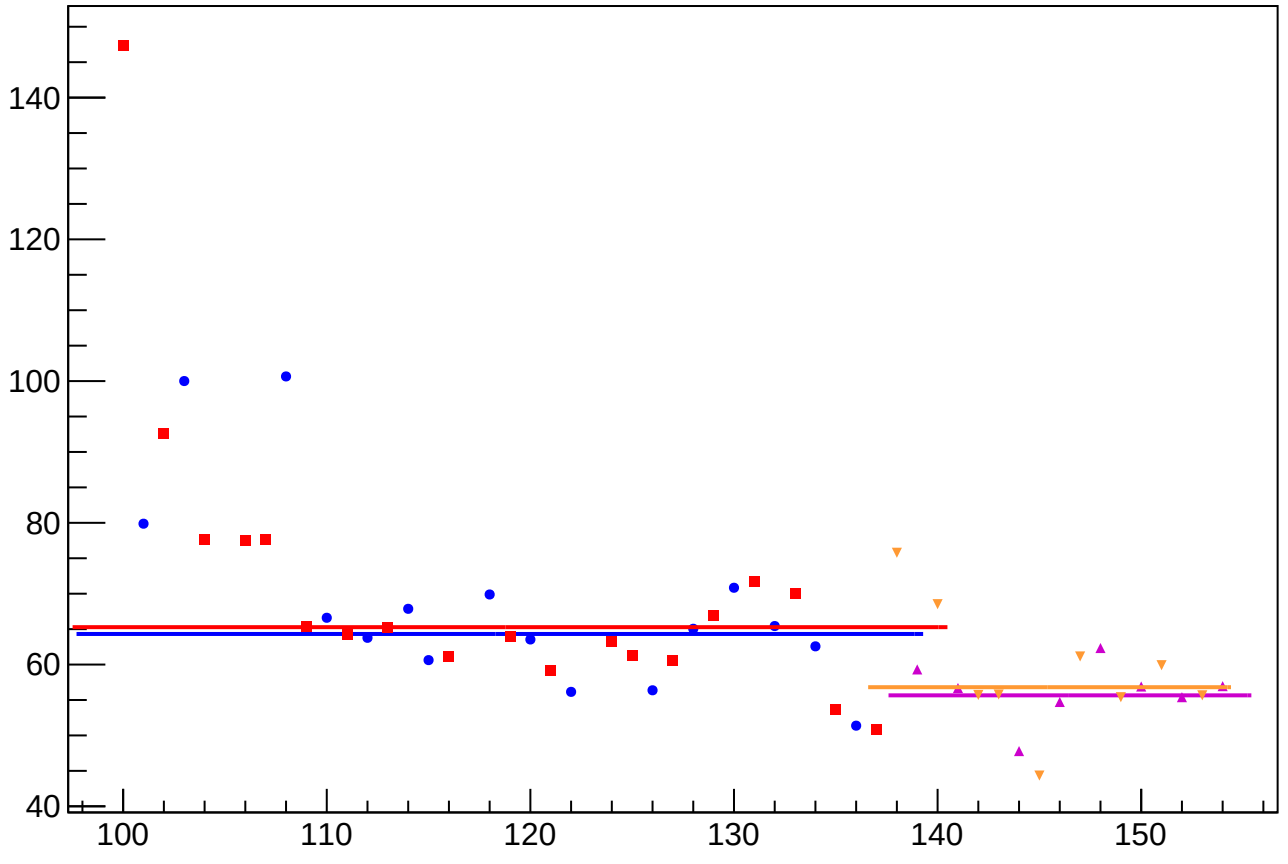
Left: -24.974+/-15.272 χ^2/NDF: 12.4/16

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -0.104+/-16.097 χ^2/NDF:26.0/23

Out: -0.753+/-16.254 χ^2/NDF:31.4/27

All: -0.426+/-11.437 χ^2/NDF: 57.4/51



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: 55.656+/-0.015 χ^2/NDF:74765.8/7

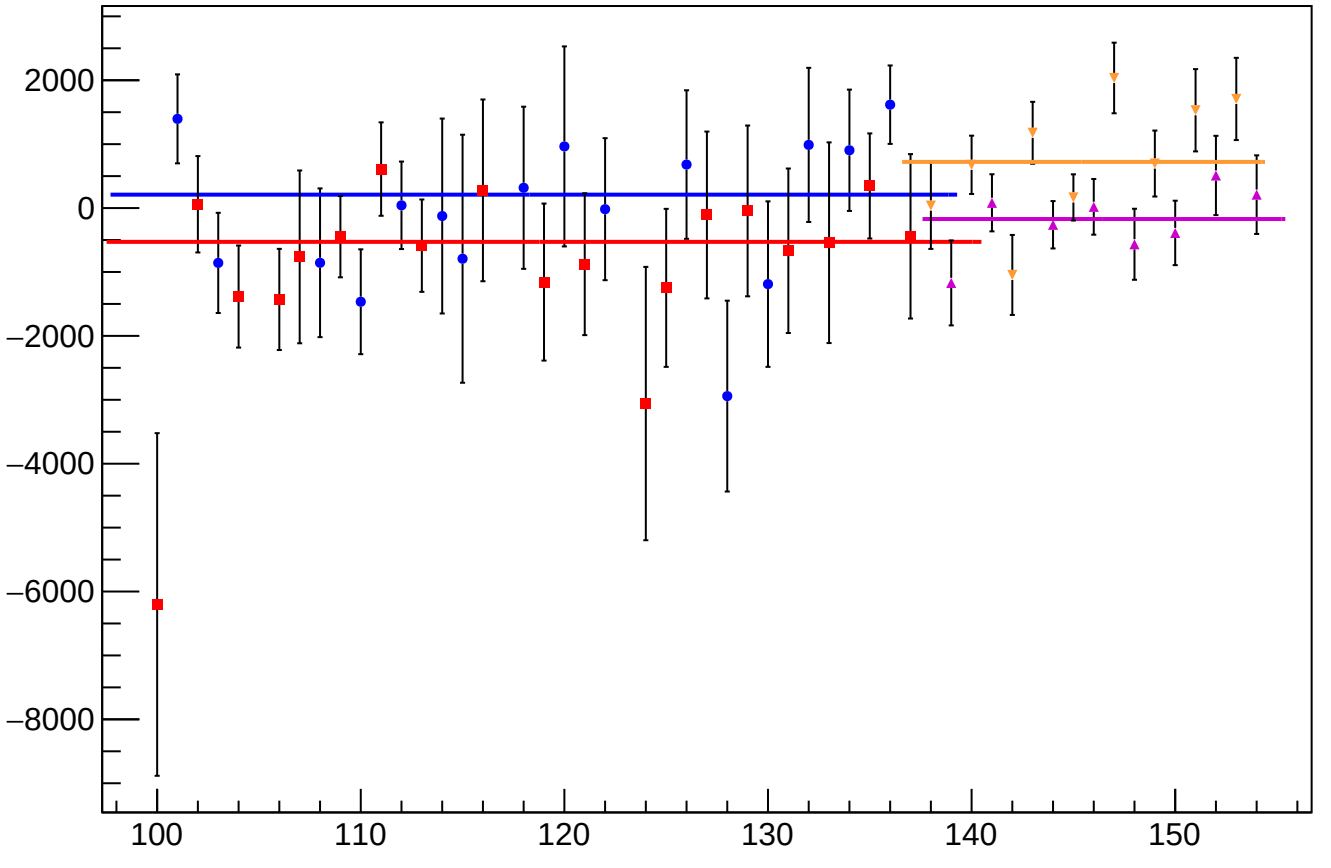
Left: 56.218+/-0.011 χ^2/NDF: 358893.2/16

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.397+/-0.011 χ^2/NDF:681766.2/23

Out: 60.589+/-0.011 χ^2/NDF:734702.5/27

All: 59.987+/-0.008 χ^2/NDF: 1421891.1/51



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: -171.326+/-176.135 χ^2/NDF:5.1/7

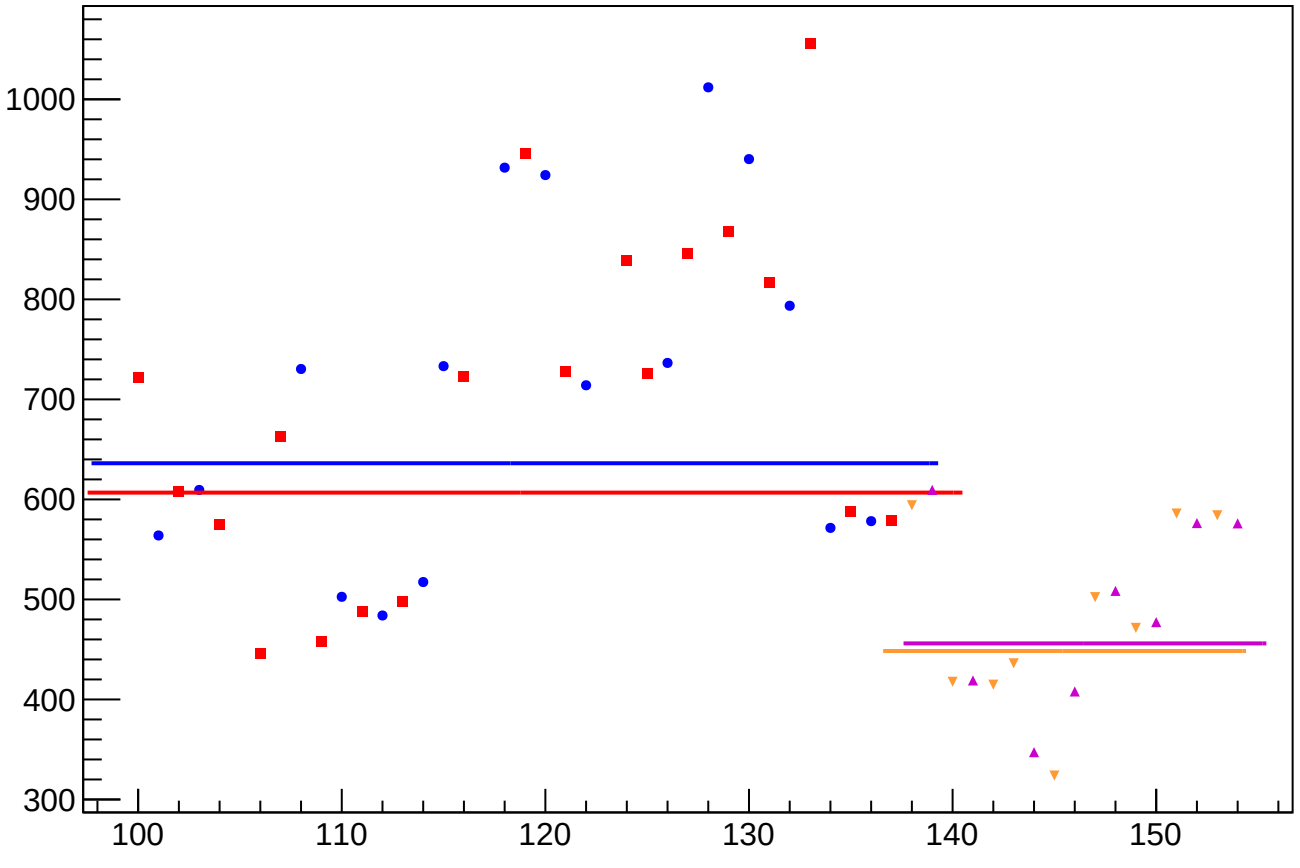
Left: 282.931+/-123.518 χ^2/NDF: 40.0/16

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -40.544+/-142.773 χ^2/NDF:29.2/23

Out: 268.718+/-138.319 χ^2/NDF:54.6/27

All: 118.985+/-99.344 χ^2/NDF: 86.1/51



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: 456.044+/-0.125 χ^2/NDF:489585.2/7

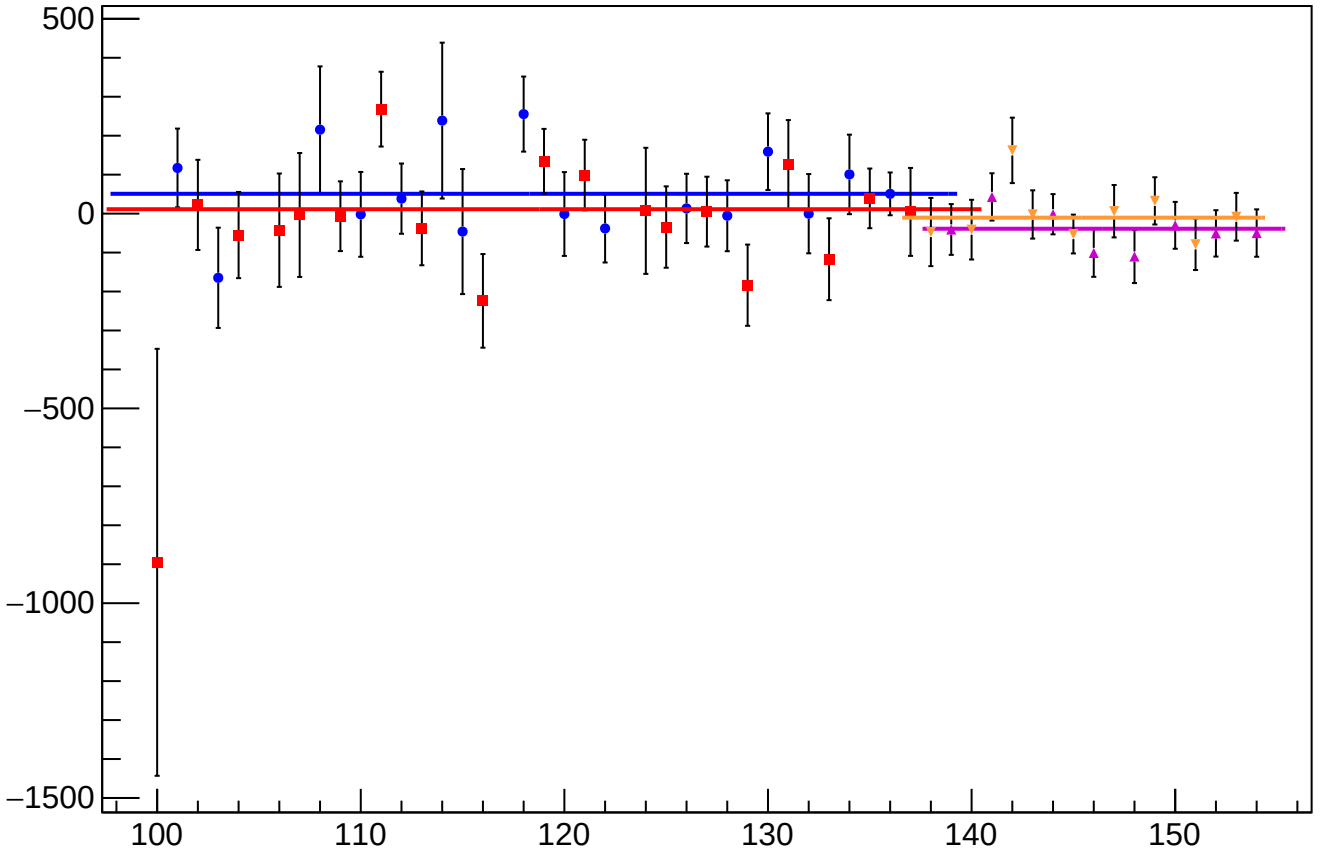
Left: 452.186+/-0.087 χ^2/NDF: 1040519.5/16

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 517.810+/-0.101 χ^2/NDF:1911951.6/23

Out: 505.883+/-0.098 χ^2/NDF:2048798.6/27

All: 511.658+/-0.070 χ^2/NDF: 3967948.9/51



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: -38.860+/-21.358 χ^2/NDF:4.5/7

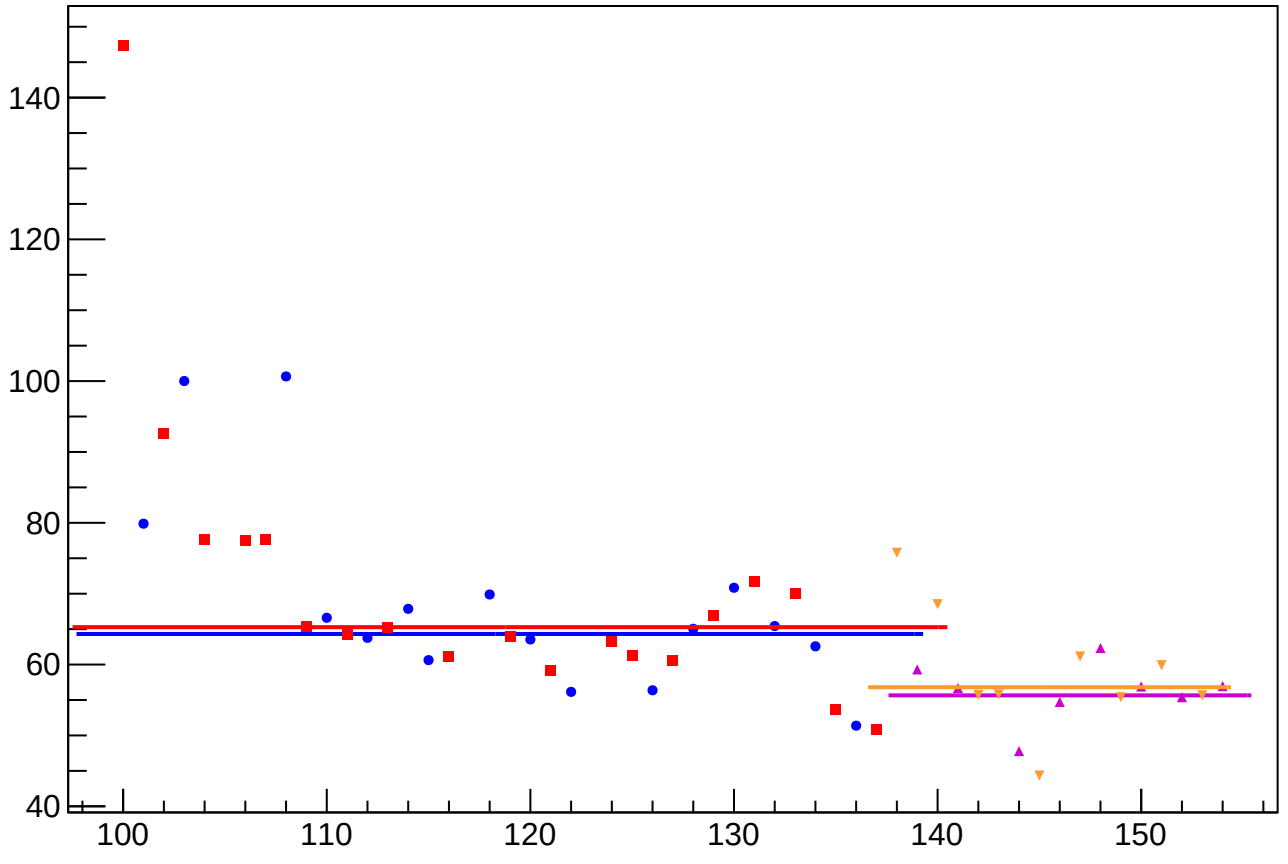
Left: -24.974+/-15.272 χ^2/NDF: 12.4/16

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -0.106+/-16.097 χ^2/NDF:26.0/23

Out: -0.753+/-16.254 χ^2/NDF:31.4/27

All: -0.426+/-11.437 χ^2/NDF: 57.4/51



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: 55.657+/-0.015 χ^2/NDF:74761.1/7

Left: 56.218+/-0.011 χ^2/NDF: 358875.1/16

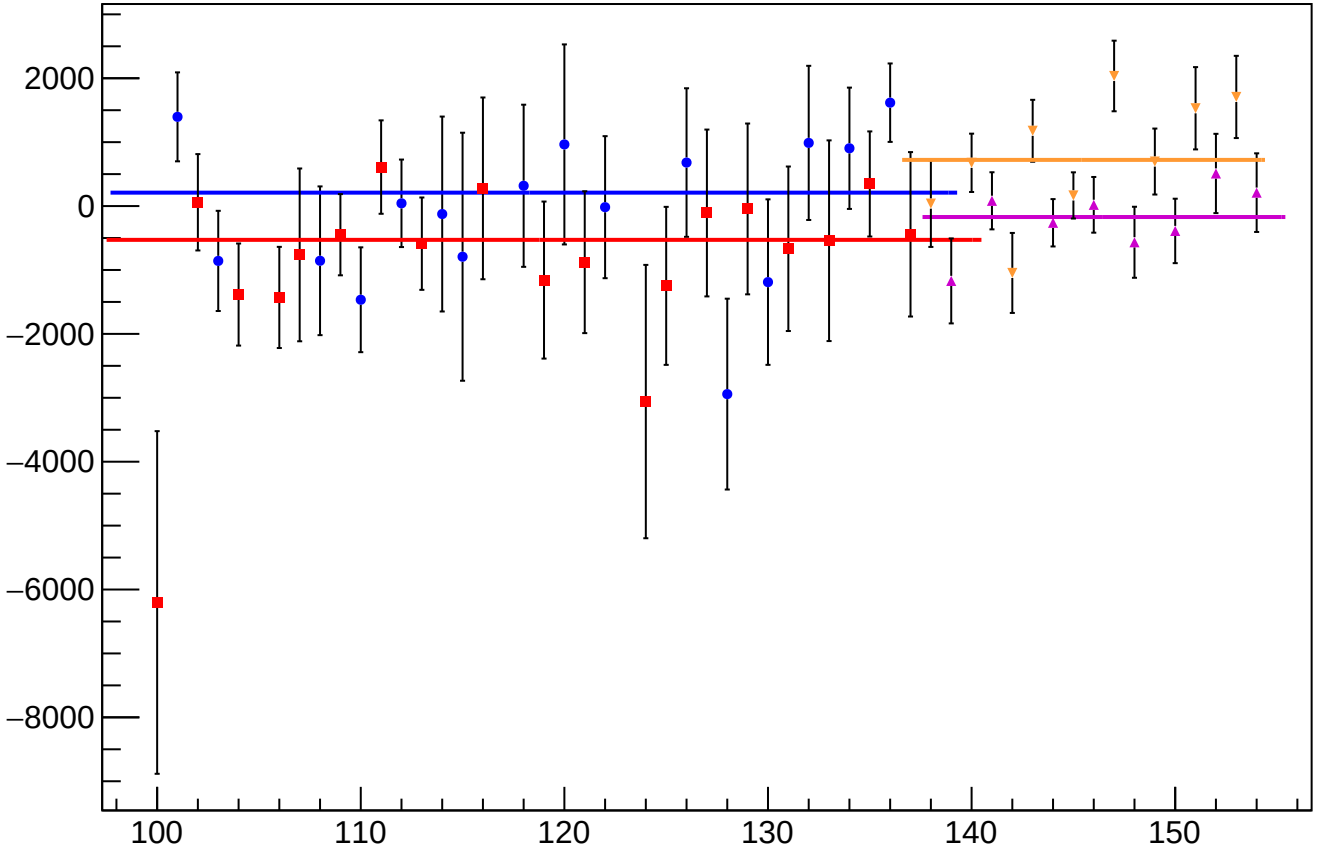
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.397+/-0.011 χ^2/NDF:681754.2/23

Out: 60.589+/-0.011 χ^2/NDF:734683.7/27

All: 59.987+/-0.008 χ^2/NDF: 1421860.4/51

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: -171.326+/-176.135 χ^2/NDF:5.1/7

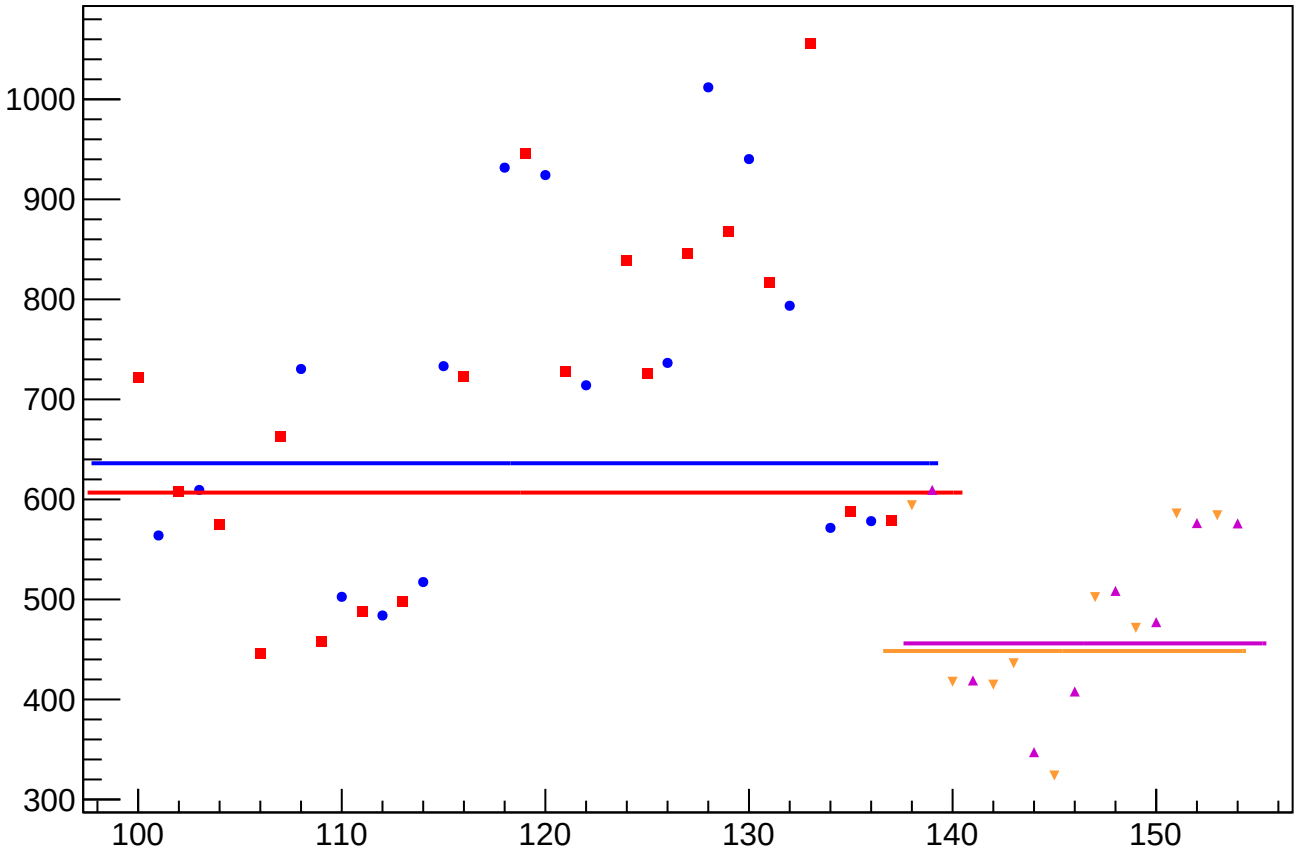
Left: 282.931+/-123.518 χ^2/NDF: 40.0/16

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -40.545+/-142.773 χ^2/NDF:29.2/23

Out: 268.717+/-138.319 χ^2/NDF:54.6/27

All: 118.985+/-99.344 χ^2/NDF: 86.1/51



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: 456.044+/-0.125 χ^2/NDF:489585.6/7

Left: 452.185+/-0.087 χ^2/NDF: 1040525.7/16

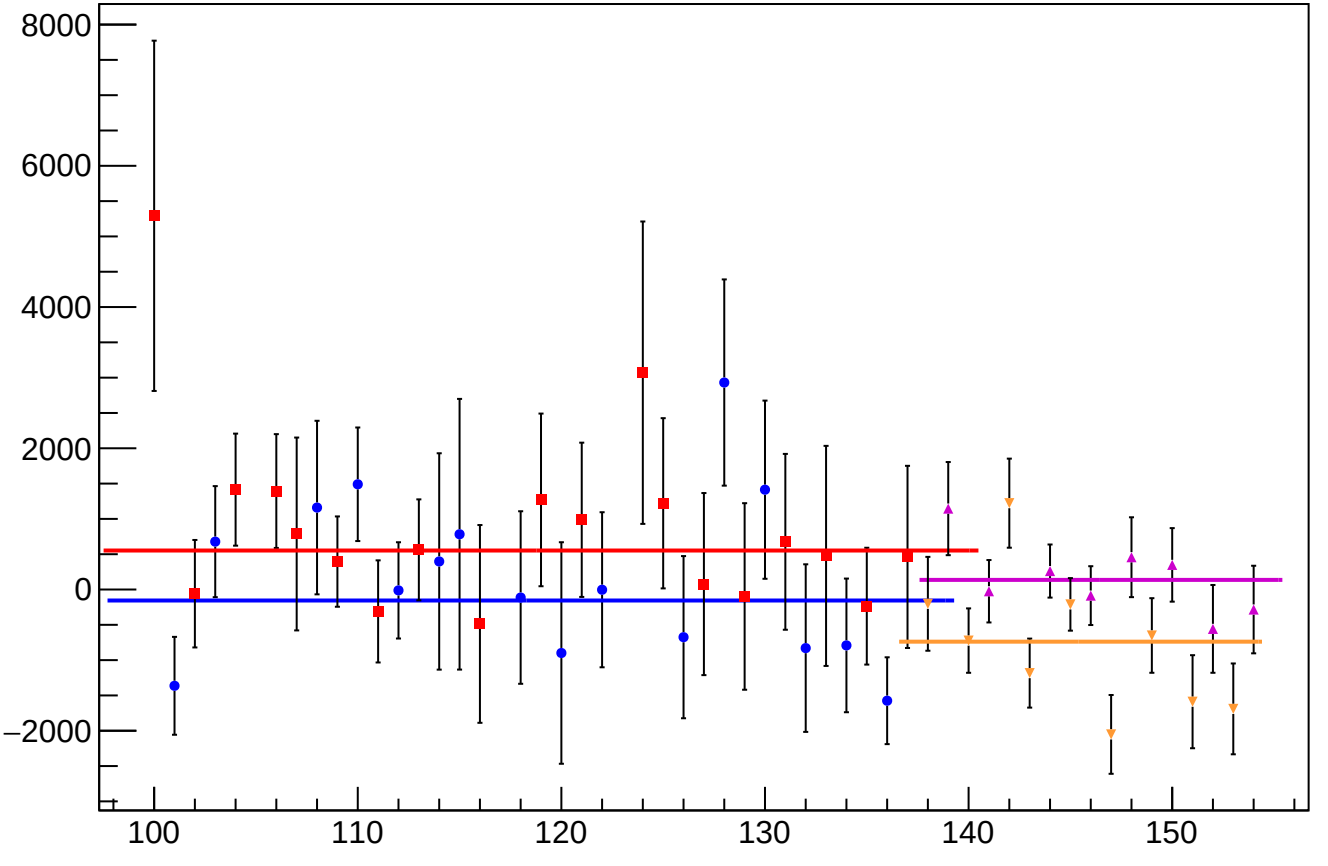
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 517.809+/-0.101 χ^2/NDF:1911956.4/23

Out: 505.882+/-0.098 χ^2/NDF:2048810.4/27

All: 511.657+/-0.070 χ^2/NDF: 3967965.8/51

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: 136.238+/-176.049 χ^2/NDF:5.1/7

Left: -302.848+/-124.246 χ^2/NDF: 40.0/16

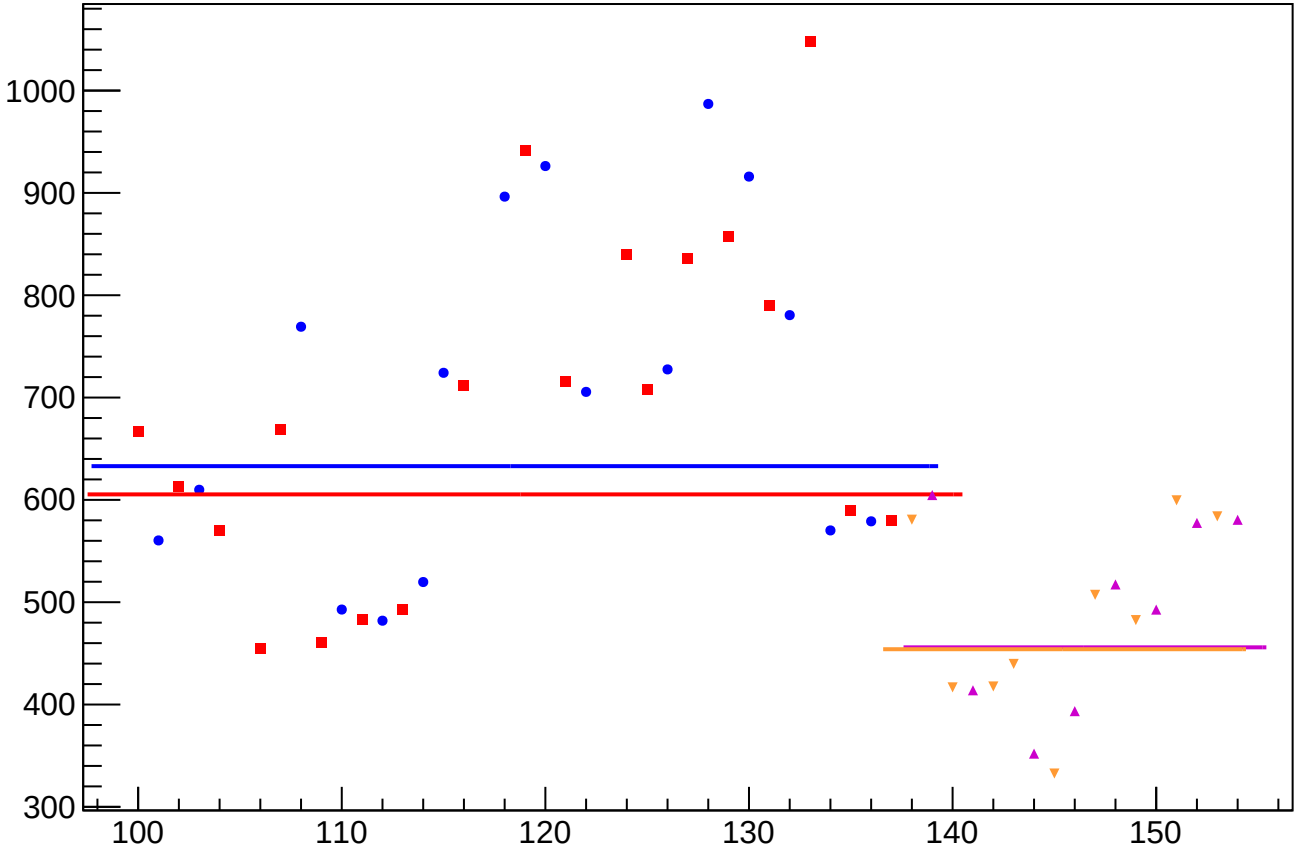
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 35.548+/-142.484 χ^2/NDF:28.5/23

Out: -261.125+/-139.210 χ^2/NDF:54.8/27

All: -116.237+/-99.574 χ^2/NDF: 85.5/51

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: 455.894+/-0.124 χ^2/NDF:508401.9/7

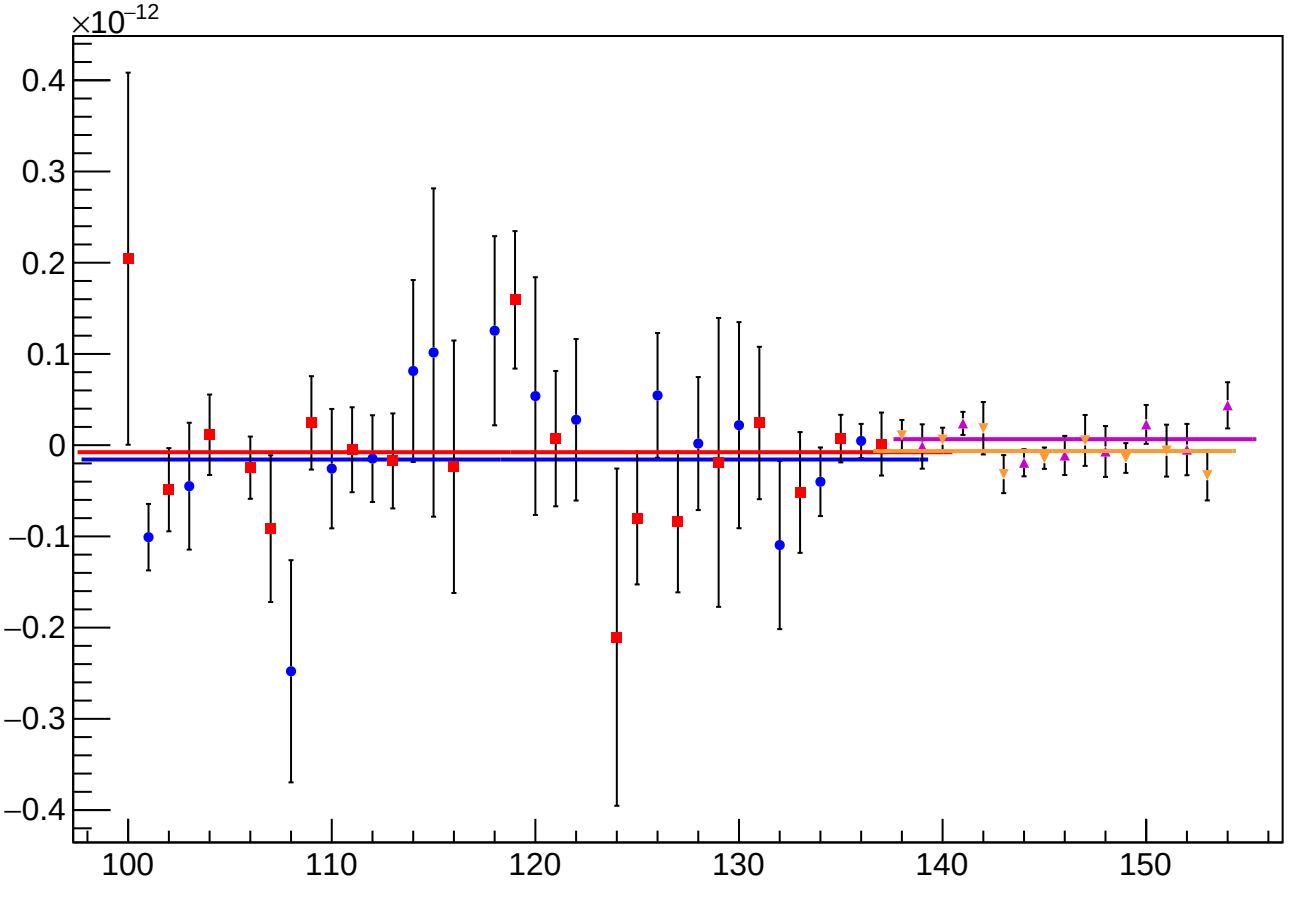
Left: 454.972+/-0.088 χ^2/NDF: 1018994.9/16

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 516.977+/-0.101 χ^2/NDF:1887503.7/23

Out: 510.028+/-0.098 χ^2/NDF:1915237.5/27

All: 513.422+/-0.070 χ^2/NDF: 3805174.9/51



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:8.8/7

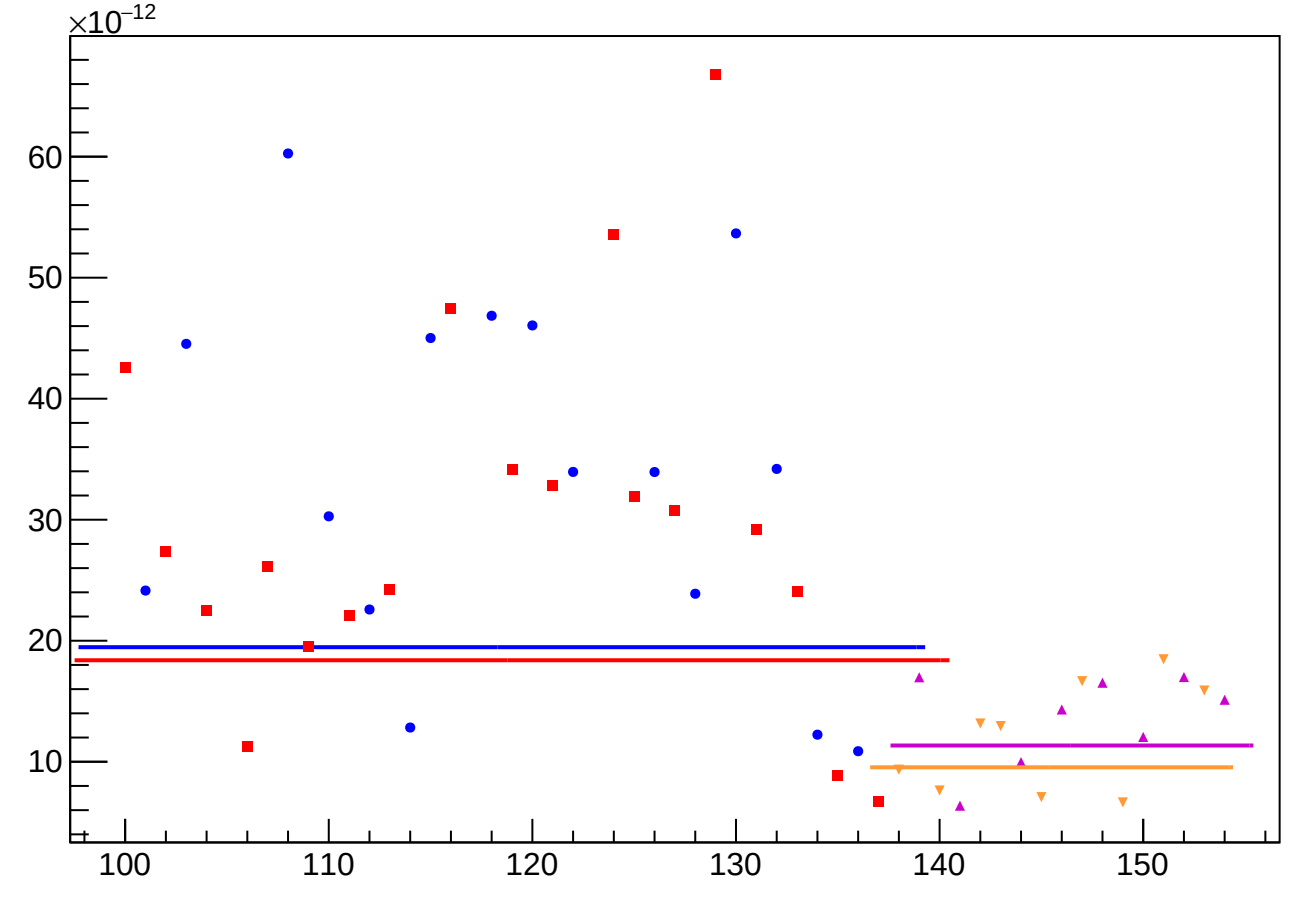
Left: -0.000+/-0.000 χ^2/NDF: 16.8/16

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:28.2/23

Out: -0.000+/-0.000 χ^2/NDF:18.9/27

All: -0.000+/-0.000 χ^2/NDF: 48.1/51



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:669104.1/7

Left: 0.000+/-0.000 χ^2/NDF: 1458544.8/16

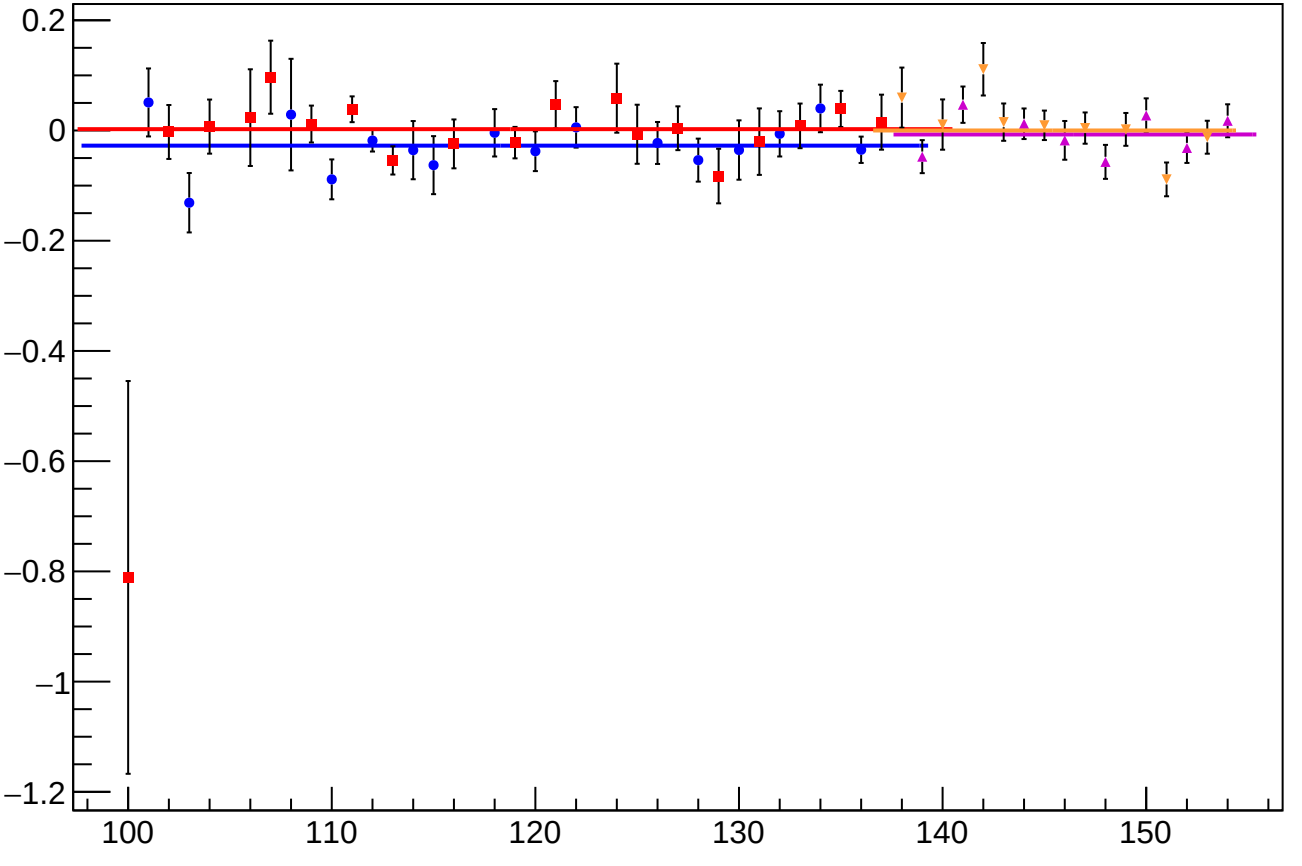
Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:3043472.1/23

Out: 0.000+/-0.000 χ^2/NDF:3007405.3/27

All: 0.000+/-0.000 χ^2/NDF: 6165534.5/51

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.007+/-0.011 χ^2/NDF:10.4/7

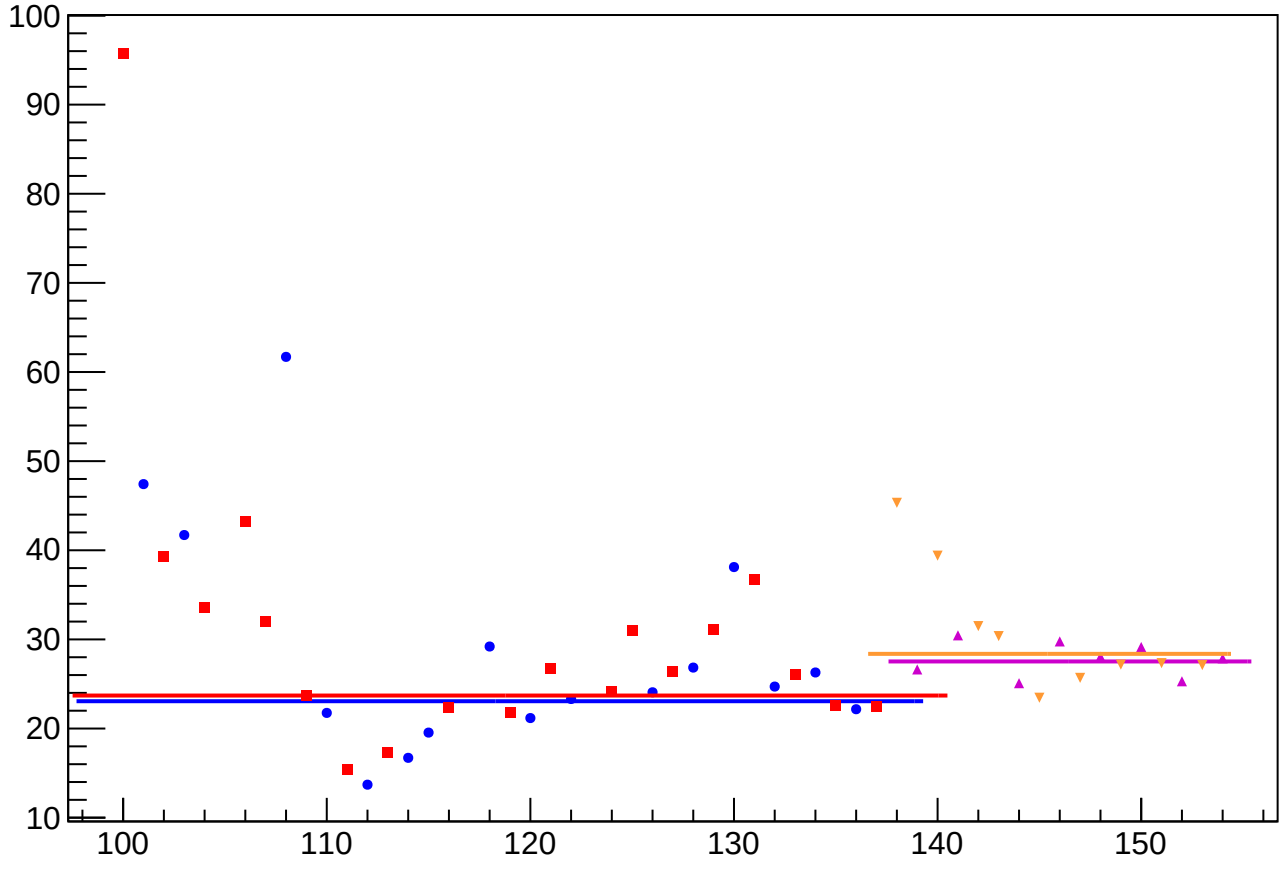
Left: -0.004+/-0.008 χ^2/NDF: 26.2/16

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.019+/-0.007 χ^2/NDF:26.1/23

Out: 0.001+/-0.007 χ^2/NDF:37.7/27

All: -0.009+/-0.005 χ^2/NDF: 67.9/51



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: 27.527+/-0.008 χ^2/NDF:60922.7/7

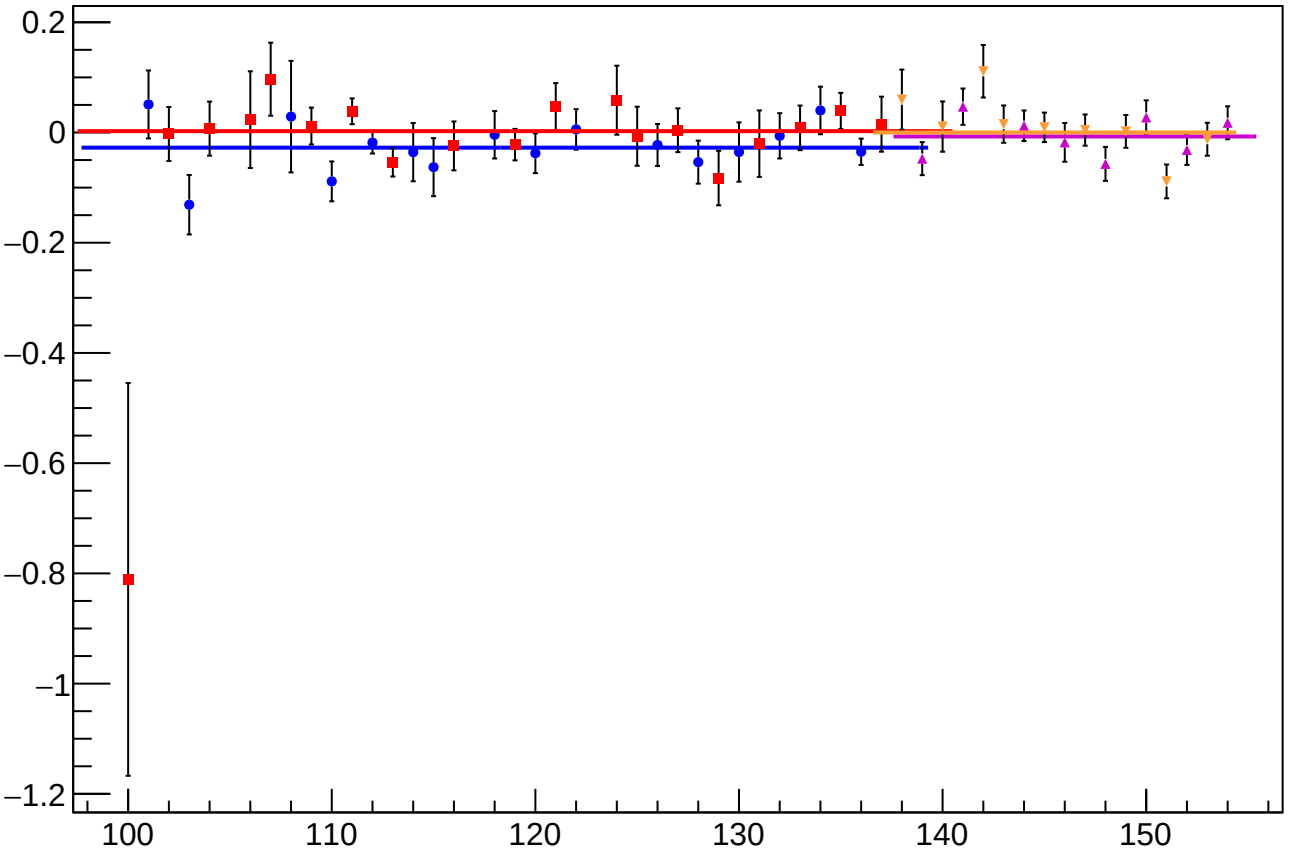
Left: 27.937+/-0.005 χ^2/NDF: 487516.5/16

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.004+/-0.005 χ^2/NDF:1821368.9/23

Out: 25.624+/-0.005 χ^2/NDF:1717214.0/27

All: 25.311+/-0.004 χ^2/NDF: 3546225.5/51



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: -0.007+/-0.011 χ^2/NDF:10.4/7

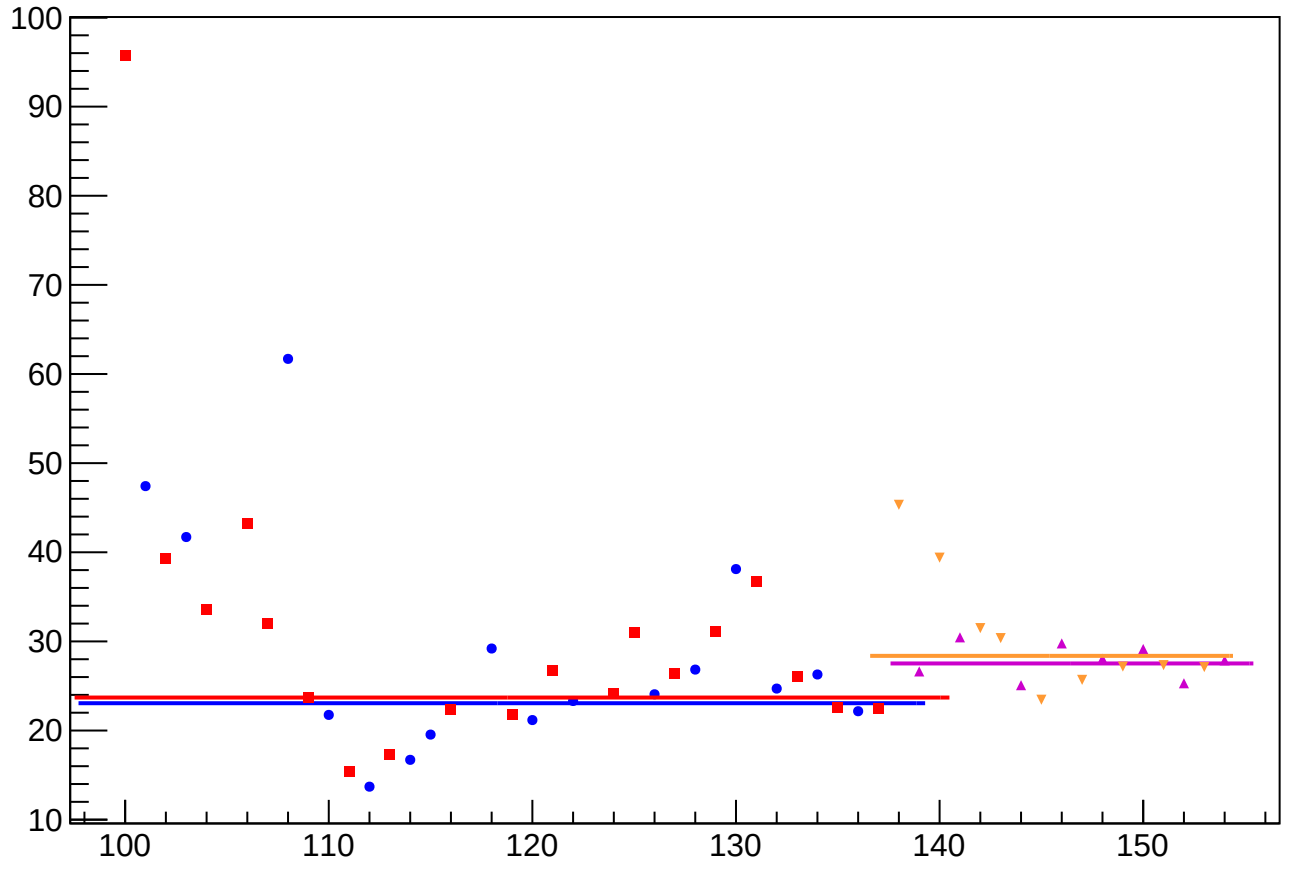
Left: -0.004+/-0.008 χ^2/NDF: 26.2/16

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.019+/-0.007 χ^2/NDF:26.1/23

Out: 0.001+/-0.007 χ^2/NDF:37.7/27

All: -0.009+/-0.005 χ^2/NDF: 67.9/51



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: 27.527+/-0.008 χ^2/NDF:60922.7/7

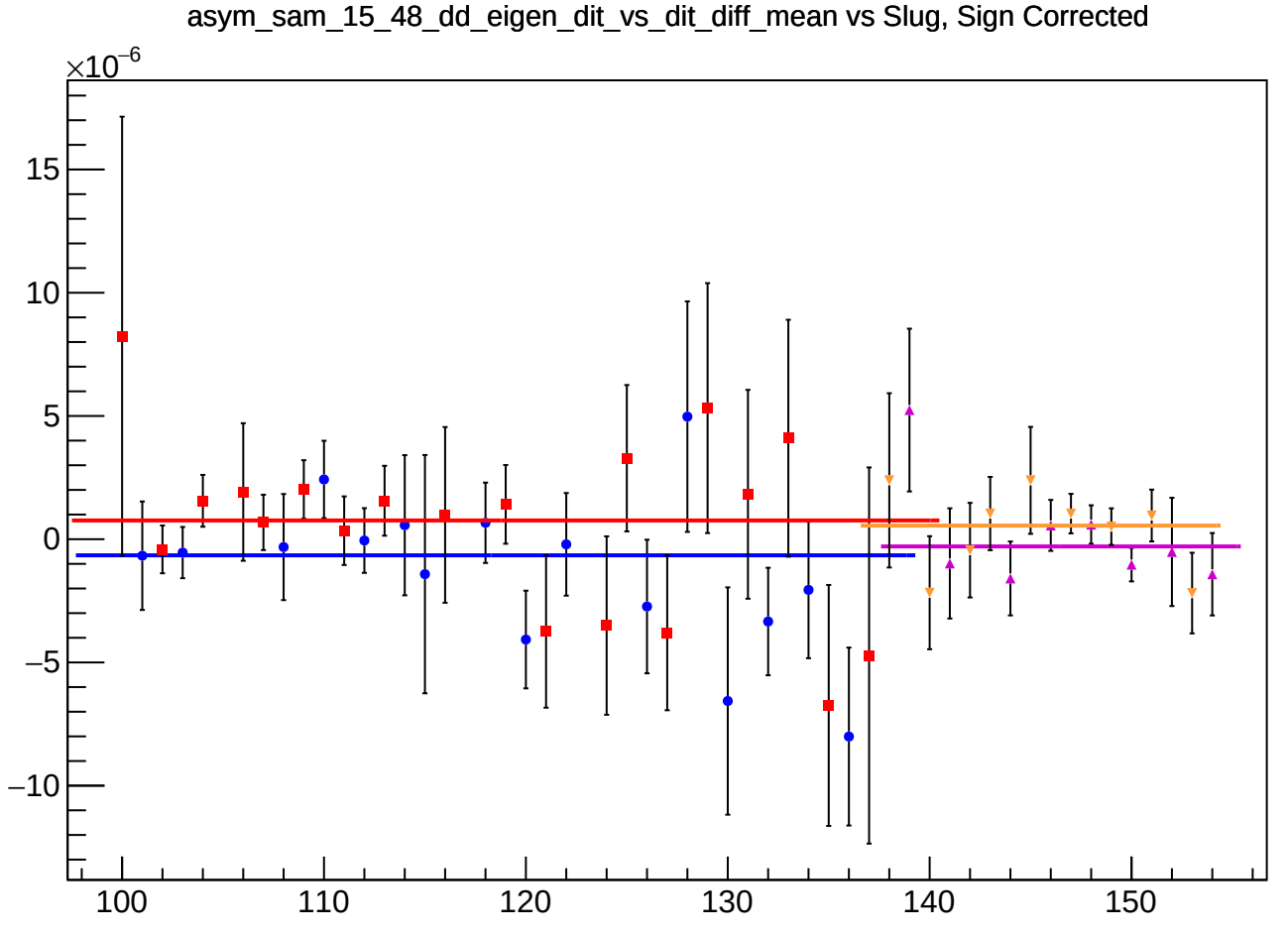
Left: 27.937+/-0.005 χ^2/NDF: 487516.5/16

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.004+/-0.005 χ^2/NDF:1821368.9/23

Out: 25.624+/-0.005 χ^2/NDF:1717214.0/27

All: 25.311+/-0.004 χ^2/NDF: 3546225.5/51



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:7.3/7

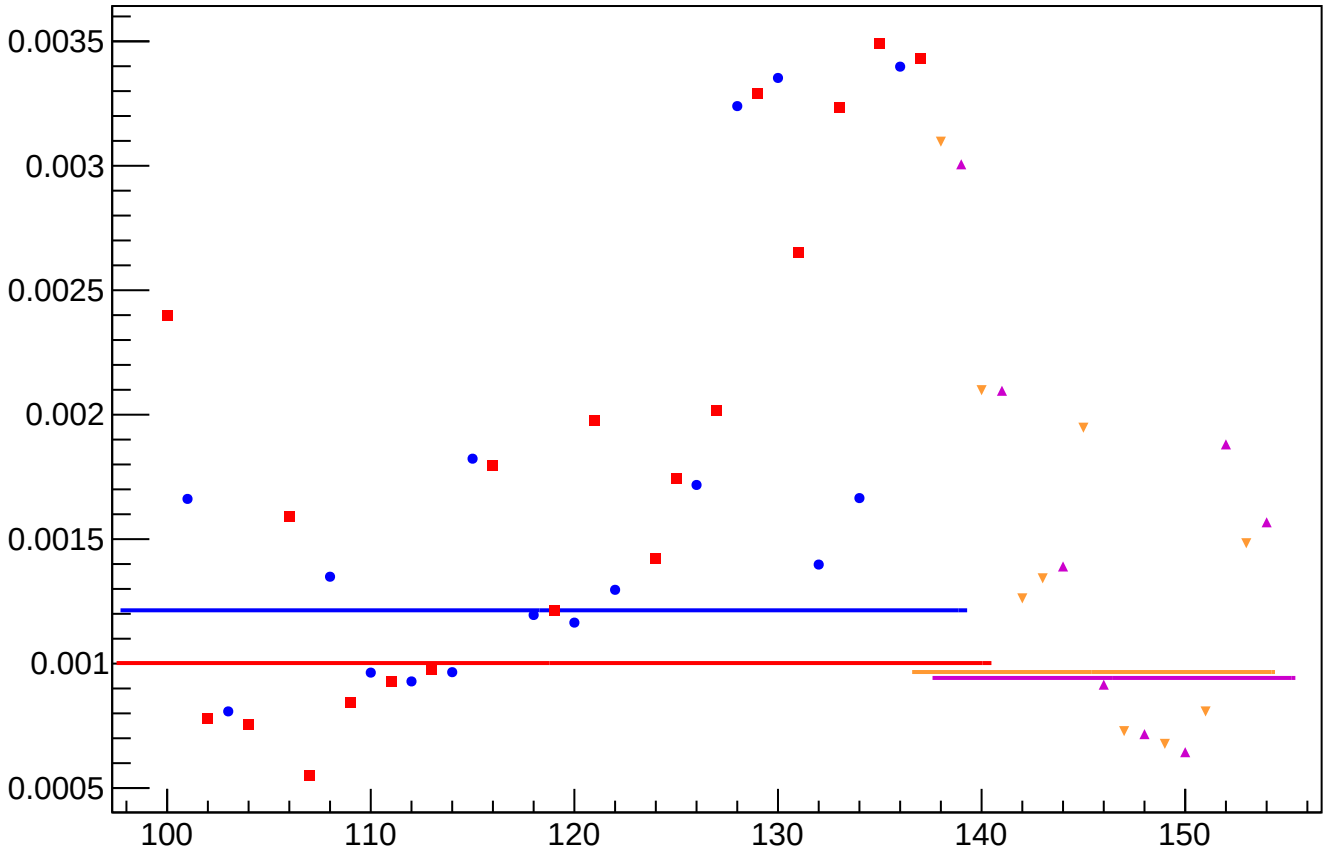
Left: 0.000+/-0.000 χ^2/NDF: 15.5/16

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:25.1/23

Out: 0.000+/-0.000 χ^2/NDF:21.4/27

All: 0.000+/-0.000 χ^2/NDF: 53.0/51



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:2690260.0/7

Left: 0.001+/-0.000 χ^2/NDF: 5217008.8/16

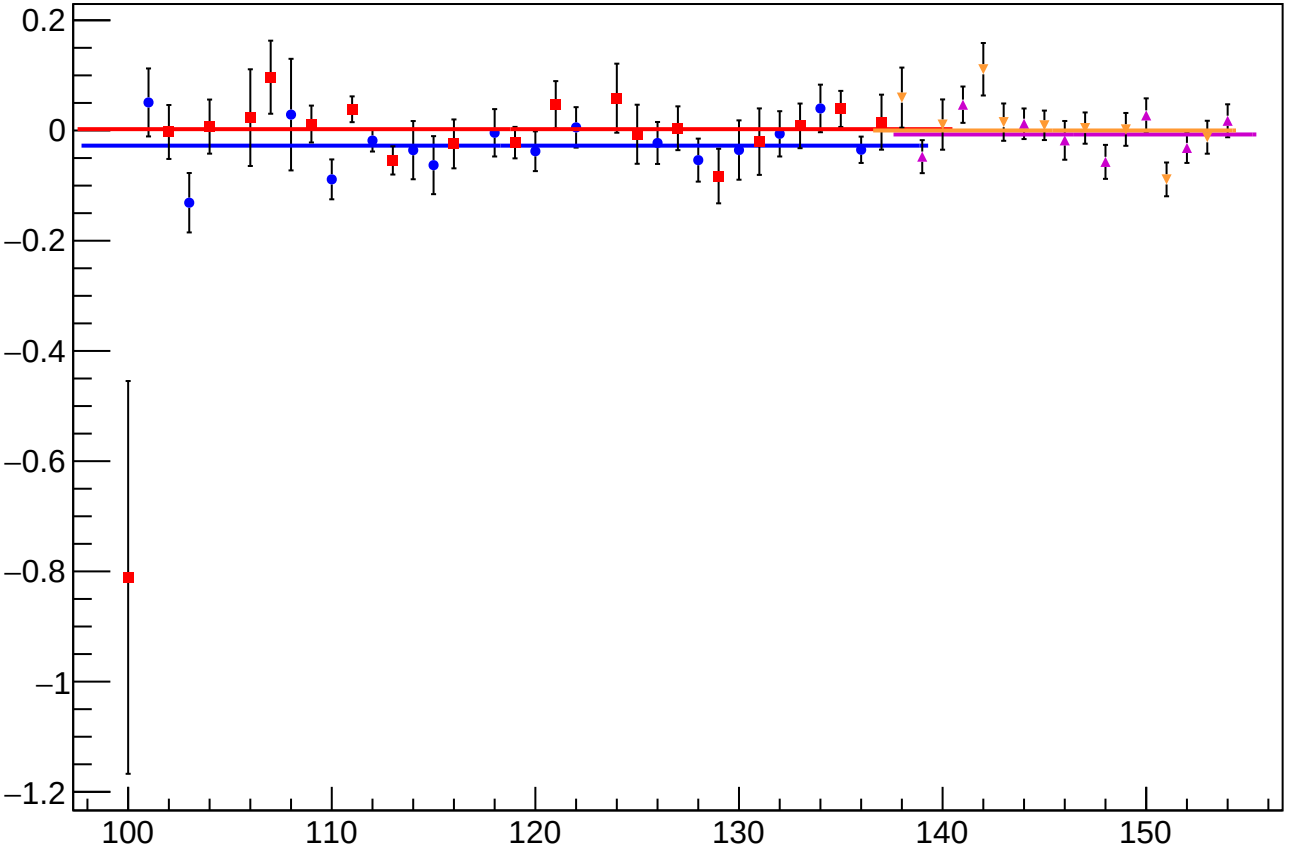
Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:5313154.8/23

Out: 0.001+/-0.000 χ^2/NDF:5808097.1/27

All: 0.001+/-0.000 χ^2/NDF: 11169404.7/51

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.007+/-0.011 χ^2/NDF:10.4/7

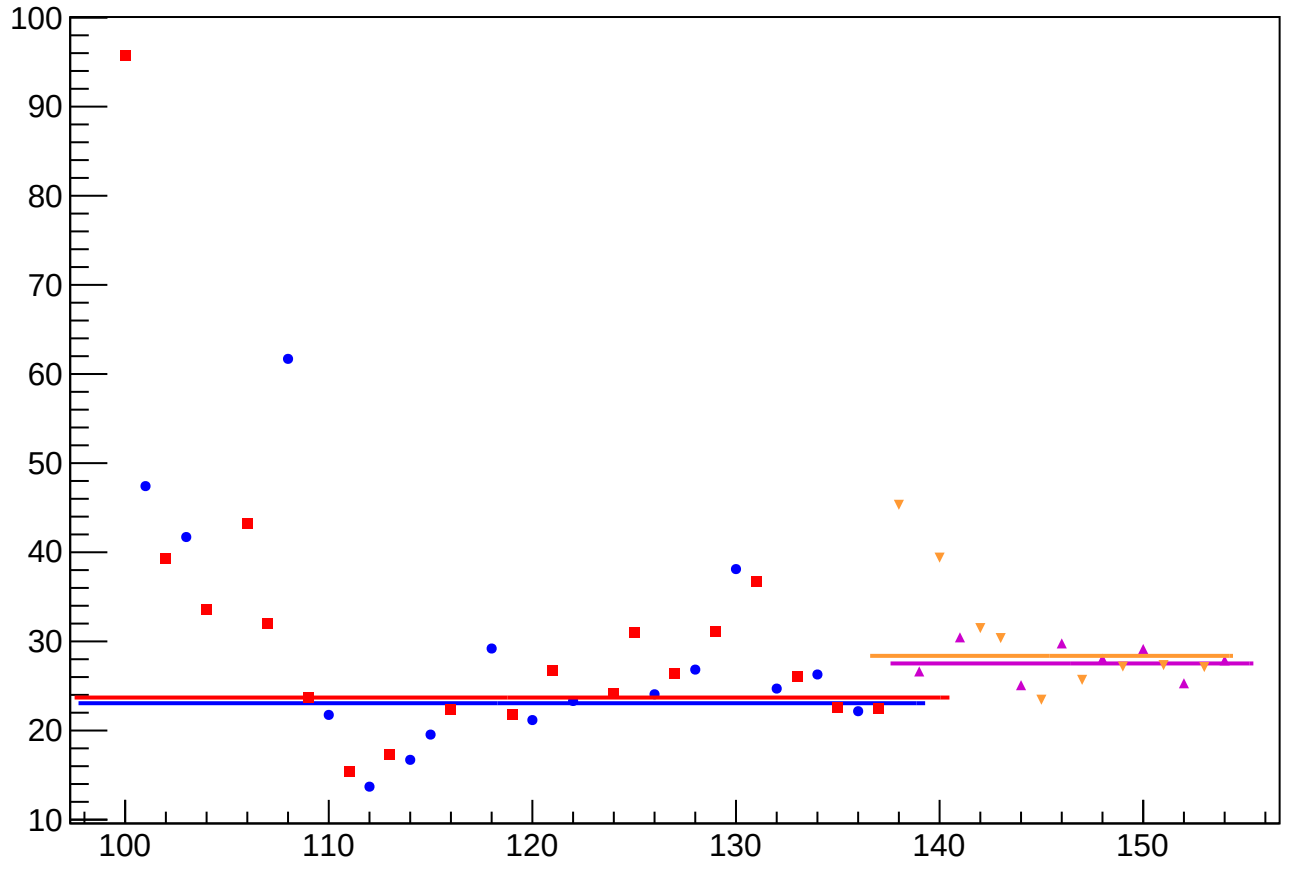
Left: -0.004+/-0.008 χ^2/NDF: 26.2/16

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.019+/-0.007 χ^2/NDF:26.1/23

Out: 0.001+/-0.007 χ^2/NDF:37.7/27

All: -0.009+/-0.005 χ^2/NDF: 67.9/51



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: 27.527+/-0.008 χ^2/NDF:60914.5/7

Left: 27.937+/-0.005 χ^2/NDF: 487470.6/16

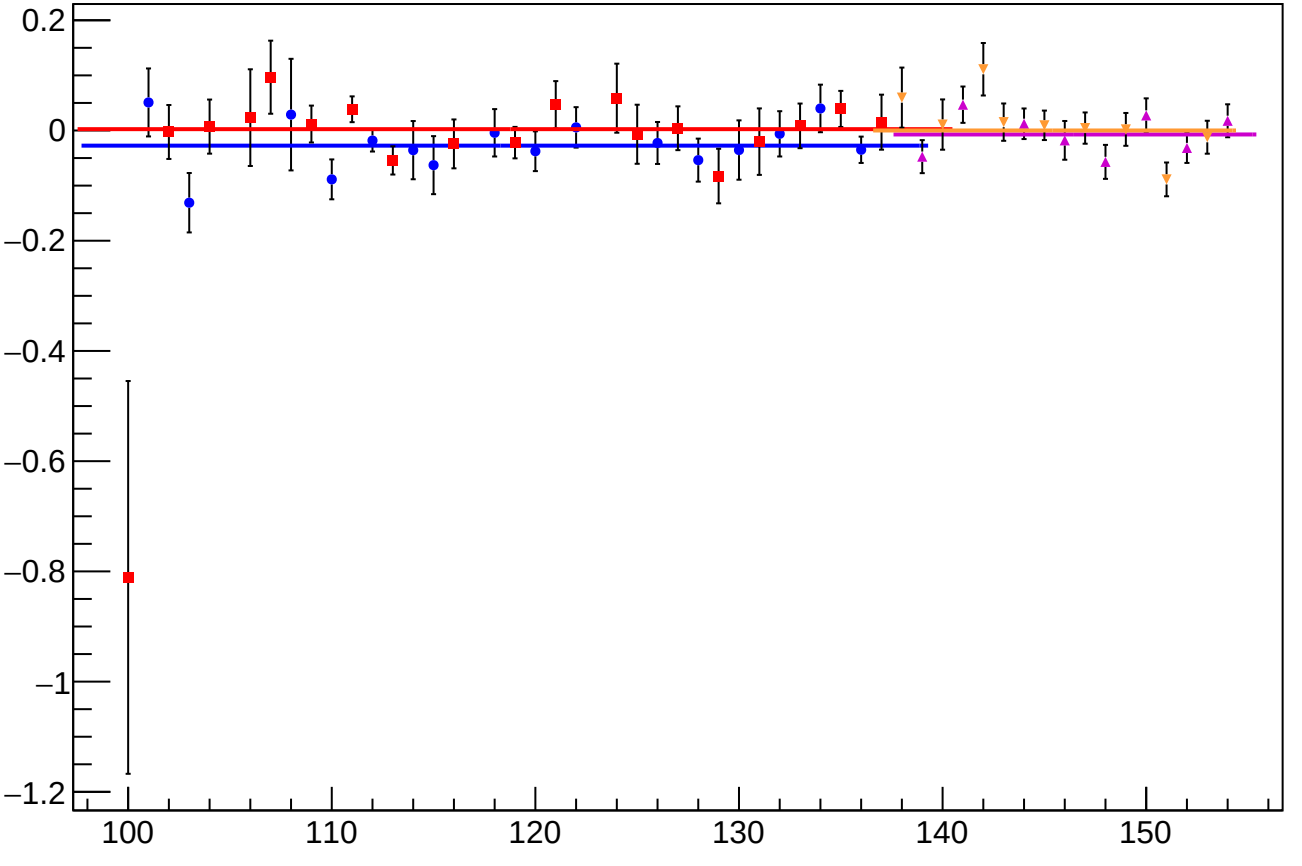
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.004+/-0.005 χ^2/NDF:1821407.5/23

Out: 25.624+/-0.005 χ^2/NDF:1717259.9/27

All: 25.311+/-0.004 χ^2/NDF: 3546310.5/51

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.011 χ^2/NDF:15.6/8

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.007+/-0.011 χ^2/NDF:10.4/7

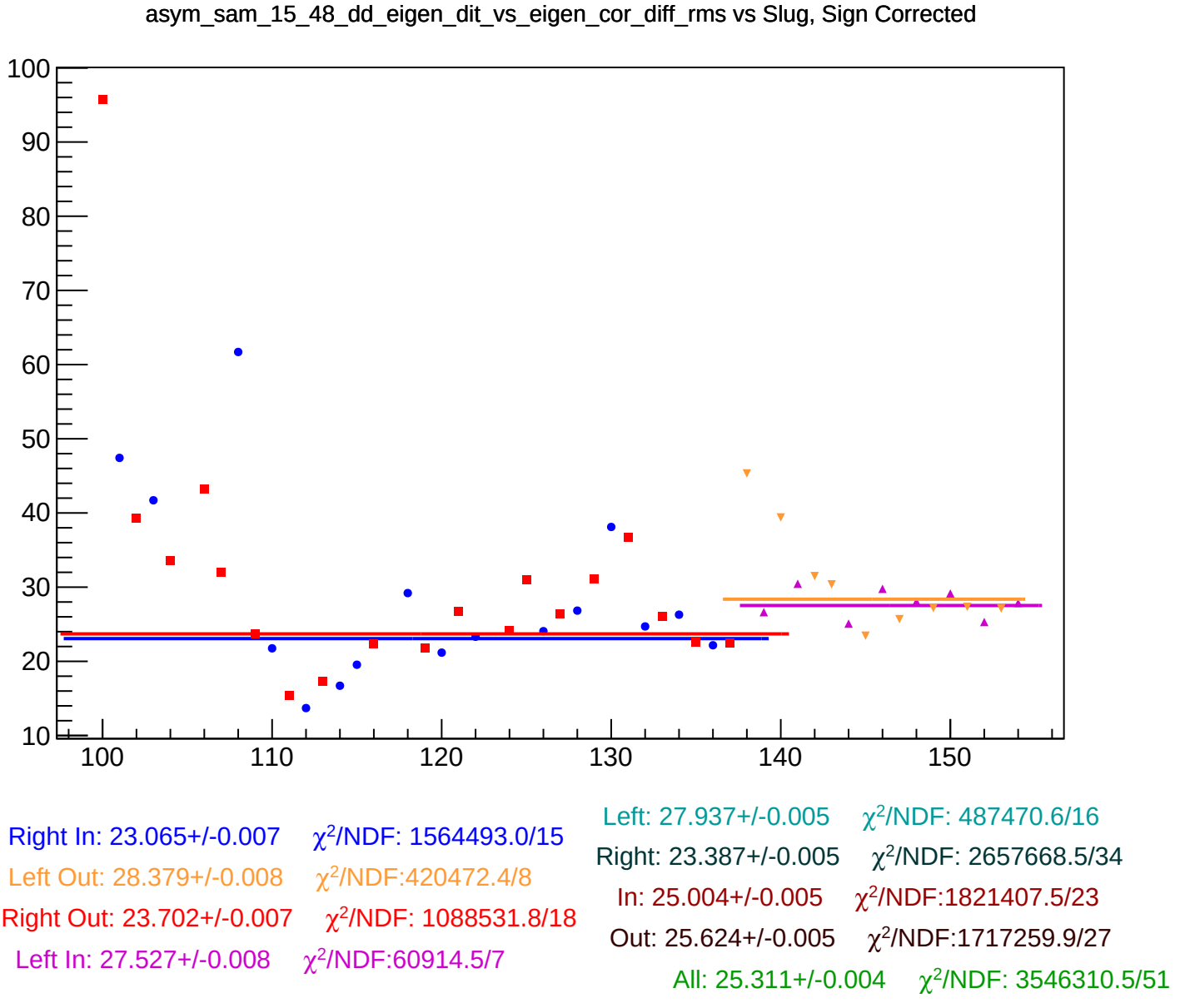
Left: -0.004+/-0.008 χ^2/NDF: 26.2/16

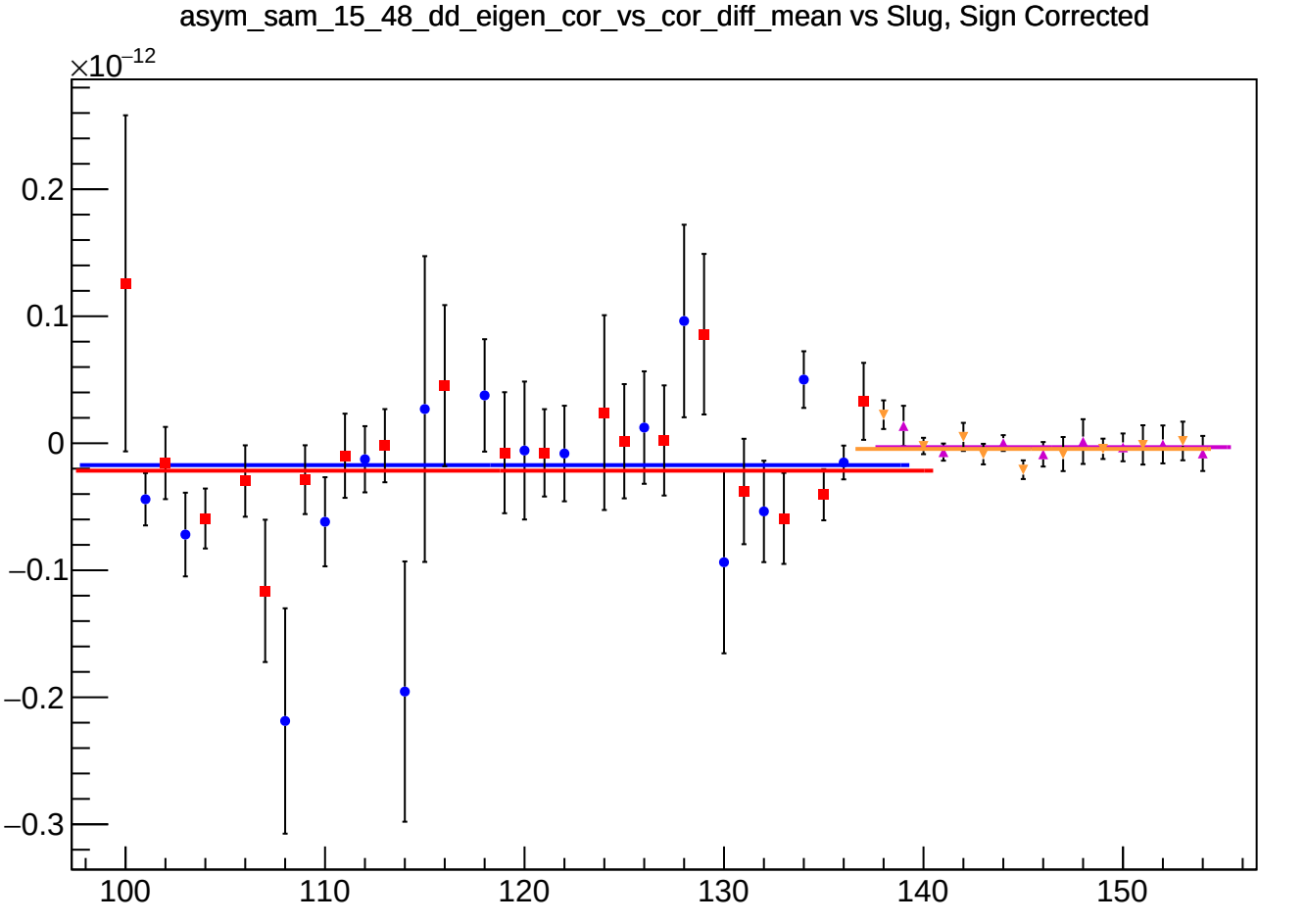
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

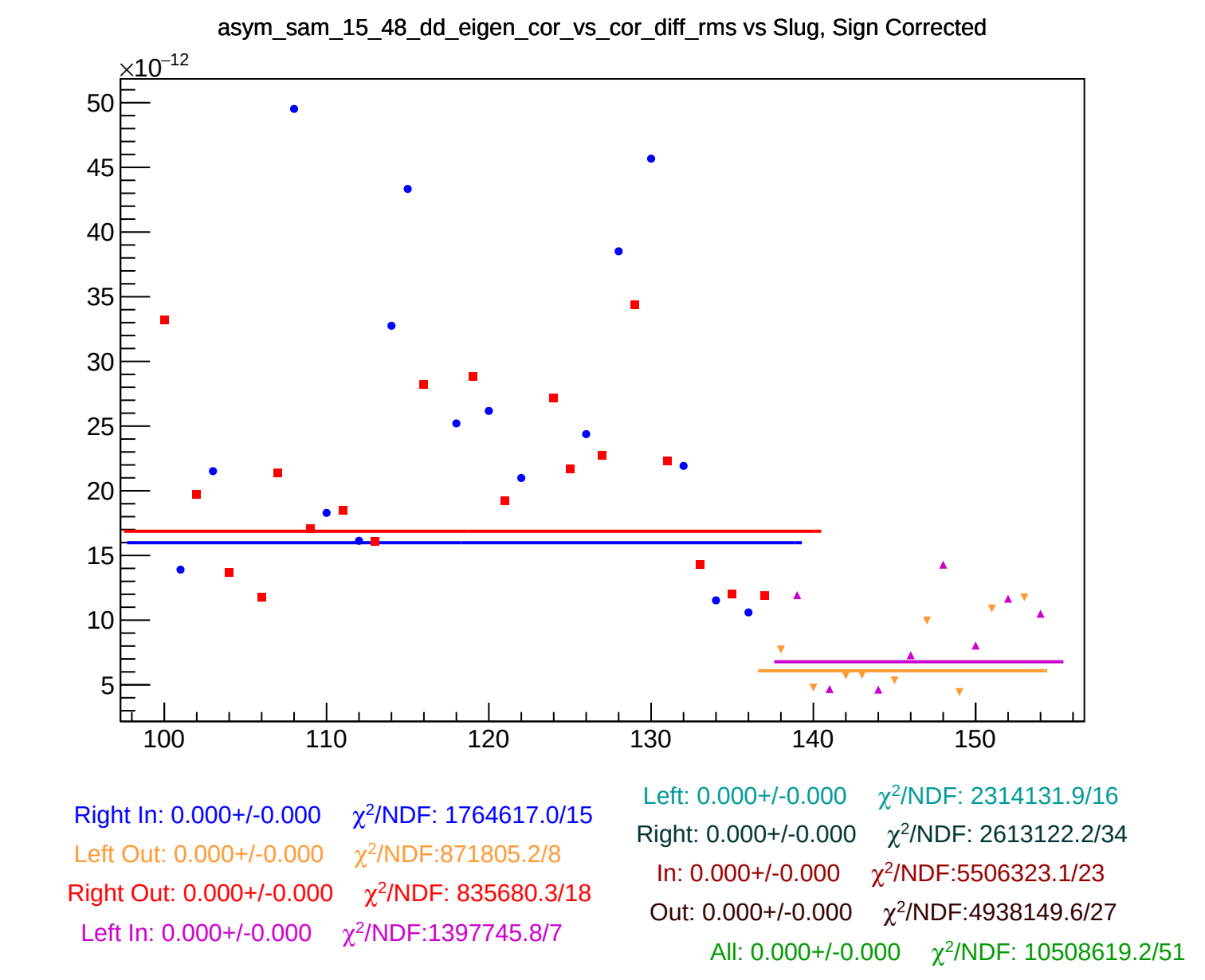
In: -0.019+/-0.007 χ^2/NDF:26.1/23

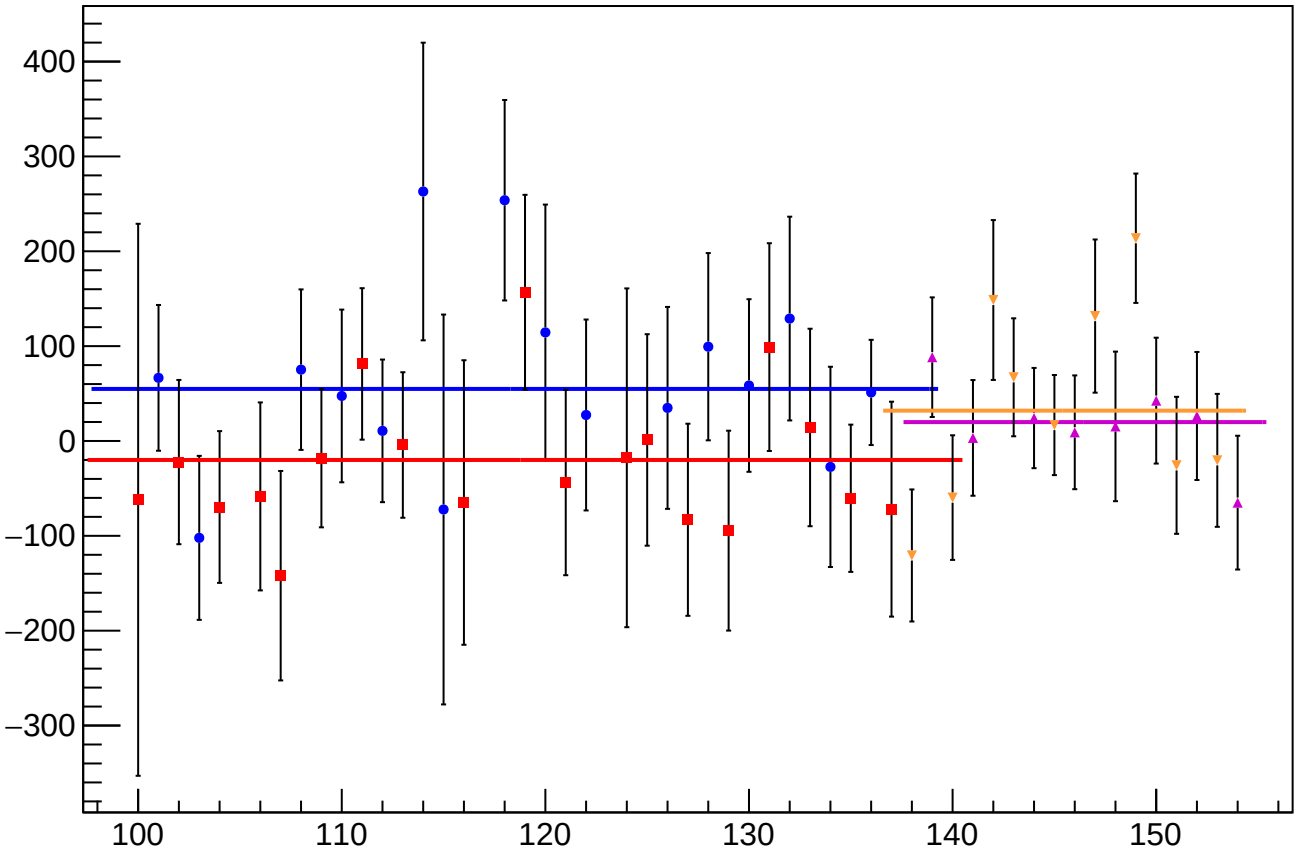
Out: 0.001+/-0.007 χ^2/NDF:37.7/27

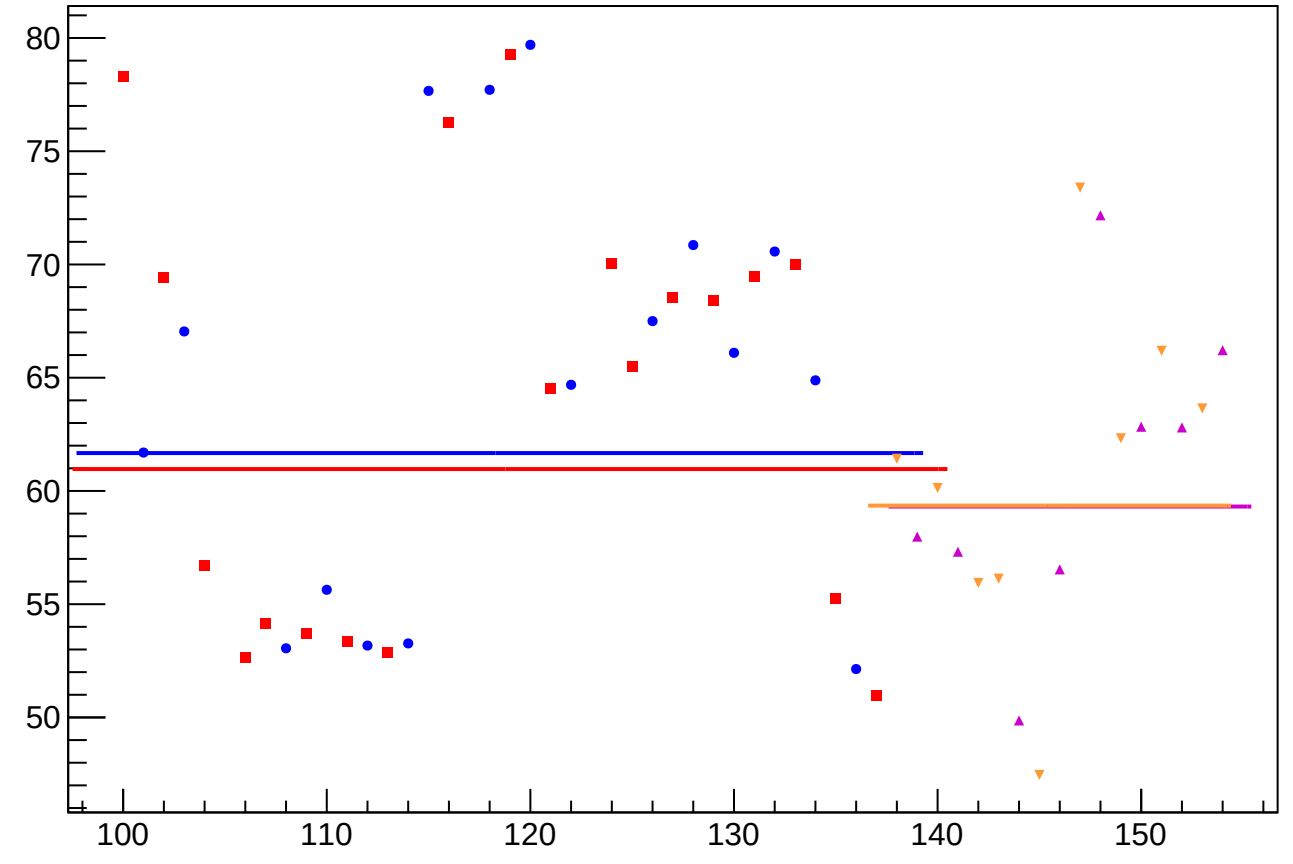
All: -0.009+/-0.005 χ^2/NDF: 67.9/51


asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 23.065+/-0.007 χ²/NDF: 1564493.0/15
Left Out: 28.379+/-0.008 χ²/NDF:420472.4/8
Right Out: 23.702+/-0.007 χ²/NDF: 1088531.8/18
Left In: 27.527+/-0.008 χ²/NDF:60914.5/7
Left: 27.937+/-0.005 χ²/NDF: 487470.6/16
Right: 23.387+/-0.005 χ²/NDF: 2657668.5/34
In: 25.004+/-0.005 χ²/NDF:1821407.5/23
Out: 25.624+/-0.005 χ²/NDF:1717259.9/27
All: 25.311+/-0.004 χ²/NDF: 3546310.5/51


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:2.3/7
Left: -0.000+/-0.000 χ²/NDF: 14.4/16
Right: -0.000+/-0.000 χ²/NDF: 48.0/34
In: -0.000+/-0.000 χ²/NDF:34.9/23
Out: -0.000+/-0.000 χ²/NDF:34.2/27
All: -0.000+/-0.000 χ²/NDF: 69.1/51


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:871805.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1397745.8/7
Left: 0.000+/-0.000 χ²/NDF: 2314131.9/16
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:5506323.1/23
Out: 0.000+/-0.000 χ²/NDF:4938149.6/27
All: 0.000+/-0.000 χ²/NDF: 10508619.2/51


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: 19.916+/-22.560 χ²/NDF:2.9/7
Left: 25.934+/-15.961 χ²/NDF: 21.9/16
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 36.927+/-16.167 χ²/NDF:15.1/23
Out: 5.956+/-15.965 χ²/NDF:30.8/27
All: 21.247+/-11.360 χ²/NDF: 47.7/51



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: 59.312+/-0.016 χ^2/NDF:154537.0/7

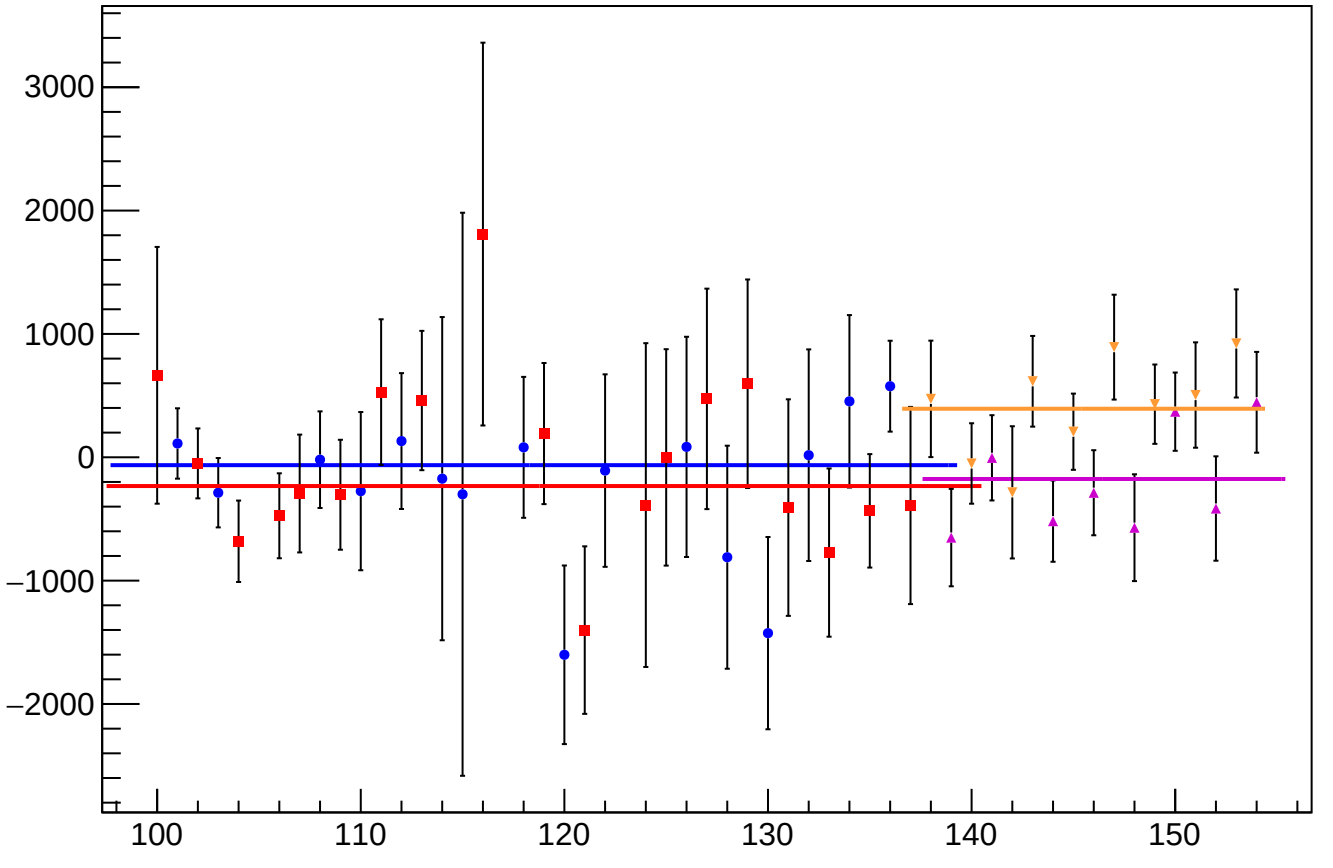
Left: 59.332+/-0.011 χ^2/NDF: 356507.6/16

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 60.460+/-0.011 χ^2/NDF:432301.7/23

Out: 60.160+/-0.011 χ^2/NDF:491259.2/27

All: 60.308+/-0.008 χ^2/NDF: 923910.3/51



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: -175.894+/-129.914 χ^2/NDF:9.3/7

Left: 113.323+/-91.141 χ^2/NDF: 26.2/16

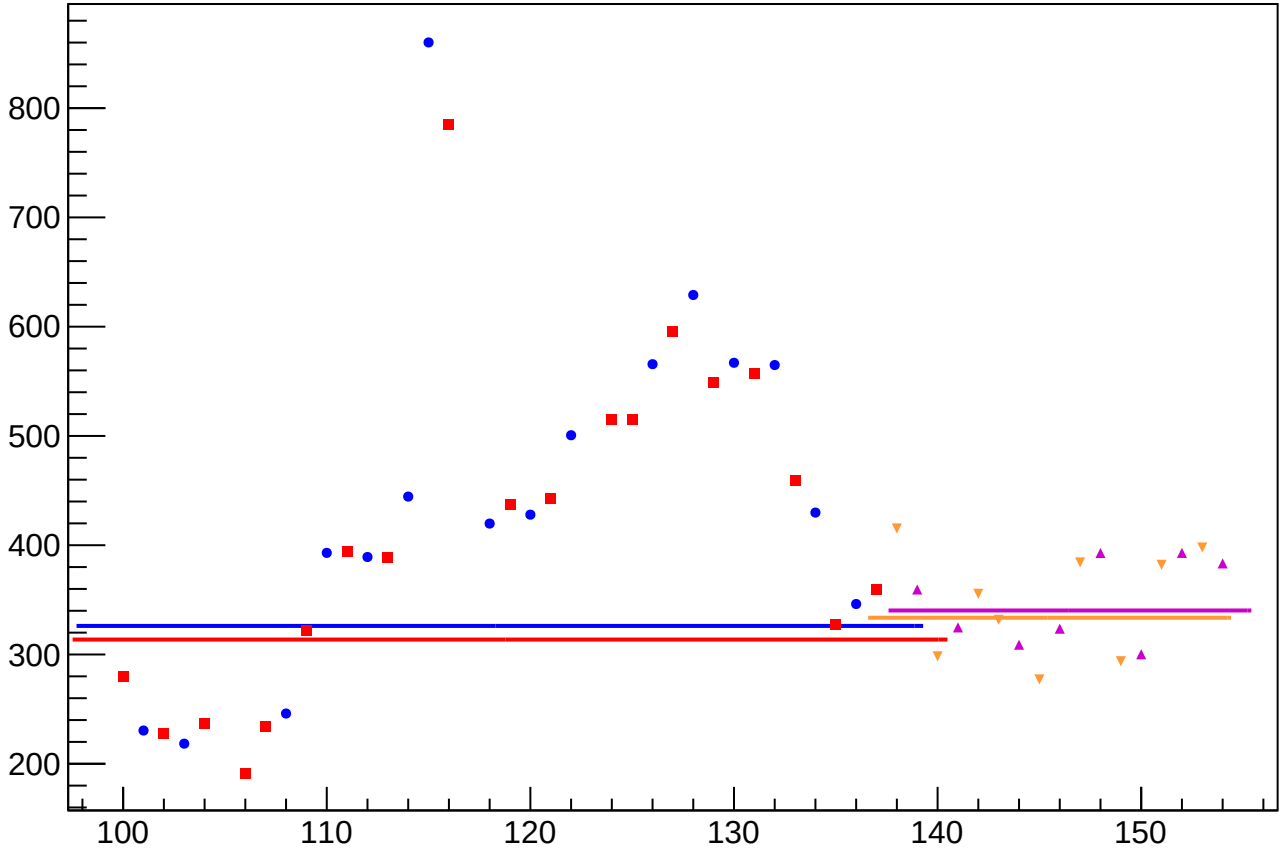
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -119.761+/-91.778 χ^2/NDF:22.9/23

Out: 67.450+/-88.576 χ^2/NDF:34.1/27

All: -22.833+/-63.735 χ^2/NDF: 59.2/51

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 333.639+/-0.090 χ^2/NDF:281268.1/8

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 340.279+/-0.092 χ^2/NDF:146145.3/7

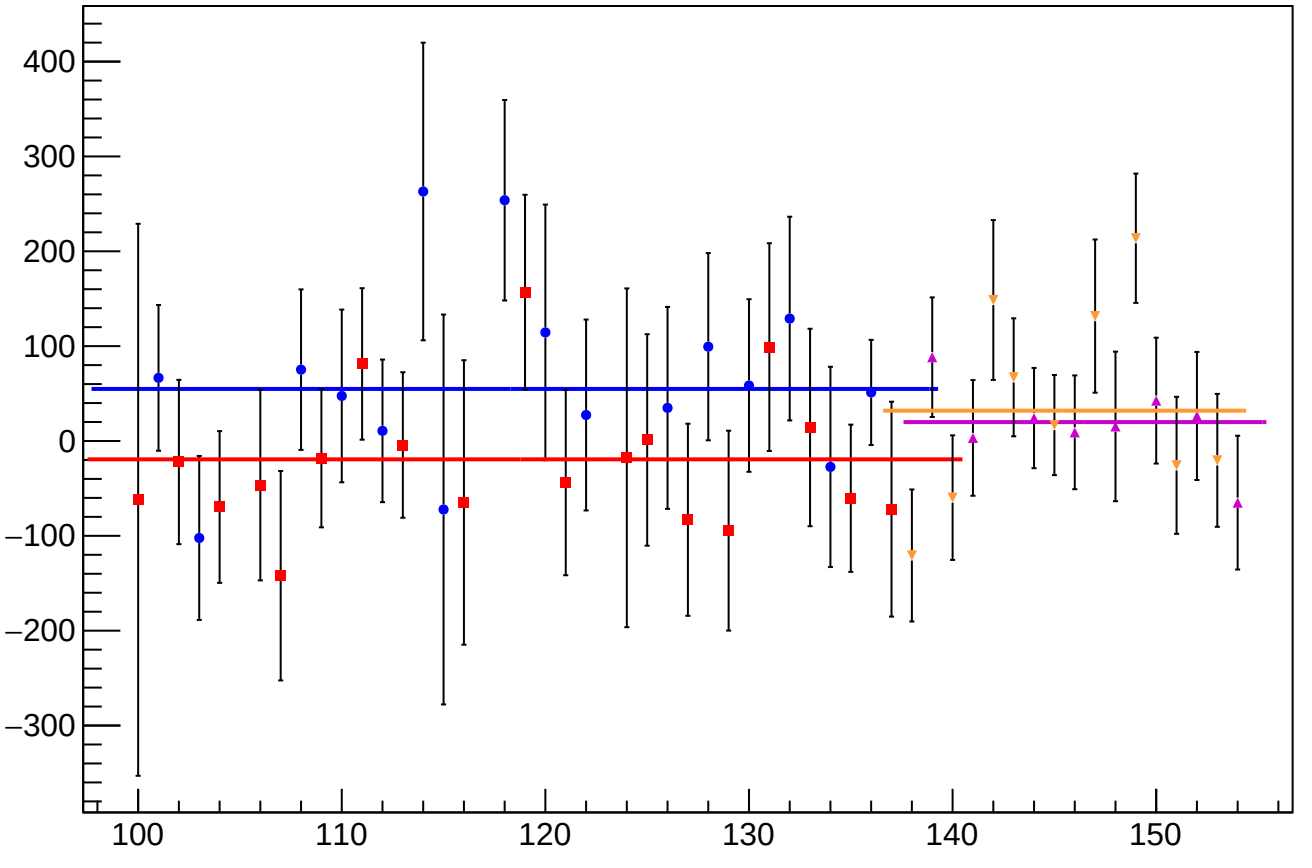
Left: 336.907+/-0.064 χ^2/NDF: 430066.8/16

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 333.200+/-0.065 χ^2/NDF:1891994.7/23

Out: 323.249+/-0.063 χ^2/NDF:2093979.6/27

All: 328.048+/-0.045 χ^2/NDF: 3998148.0/51



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: 19.916+/-22.560 χ^2/NDF:2.9/7

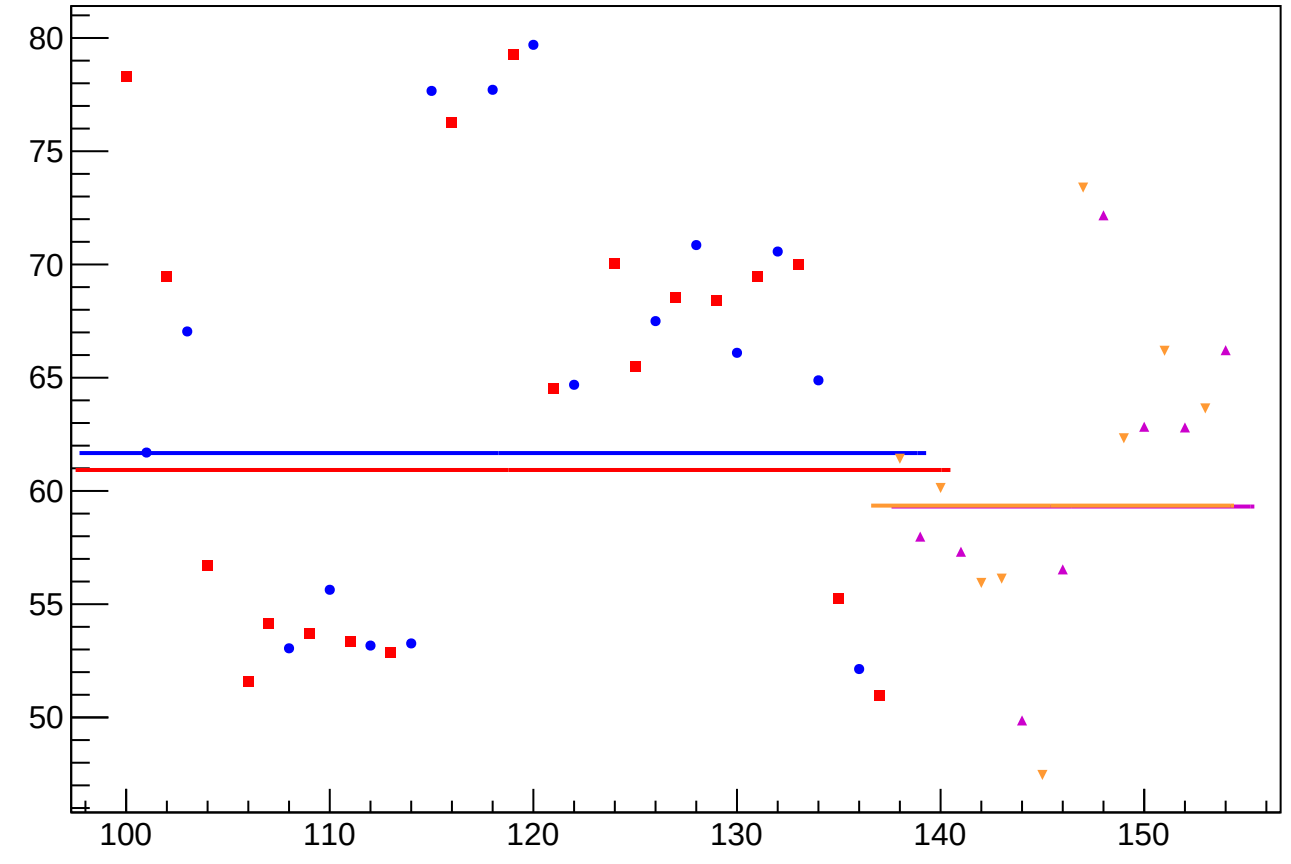
Left: 25.931+/-15.961 χ^2/NDF: 21.9/16

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 36.923+/-16.167 χ^2/NDF:15.1/23

Out: 6.306+/-15.971 χ^2/NDF:30.6/27

All: 21.429+/-11.362 χ^2/NDF: 47.5/51



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: 59.312+/-0.016 χ^2/NDF:154537.1/7

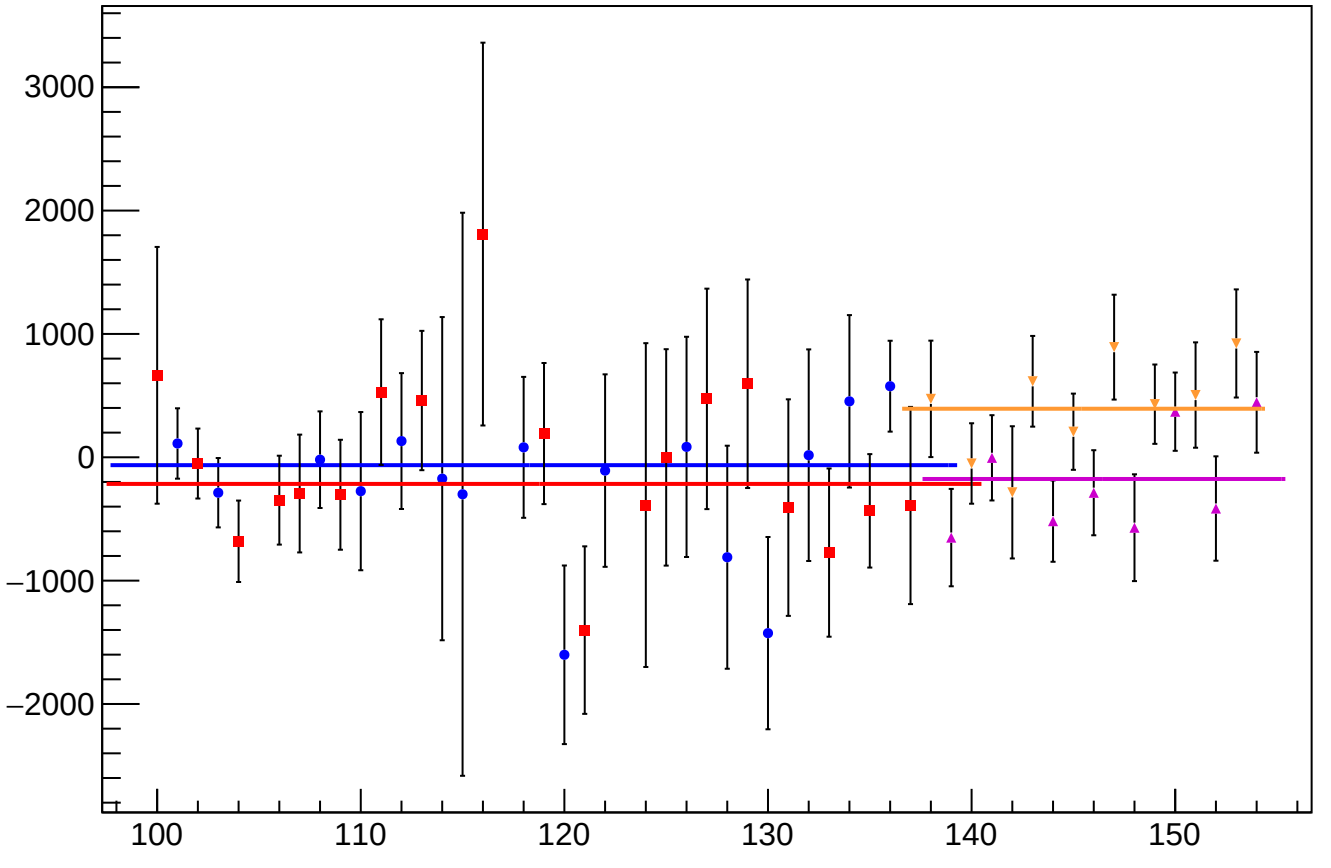
Left: 59.332+/-0.011 χ^2/NDF: 356507.6/16

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.460+/-0.011 χ^2/NDF:432301.9/23

Out: 60.139+/-0.011 χ^2/NDF:494396.8/27

All: 60.298+/-0.008 χ^2/NDF: 927098.6/51



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: -175.892+/-129.914 χ^2/NDF:9.3/7

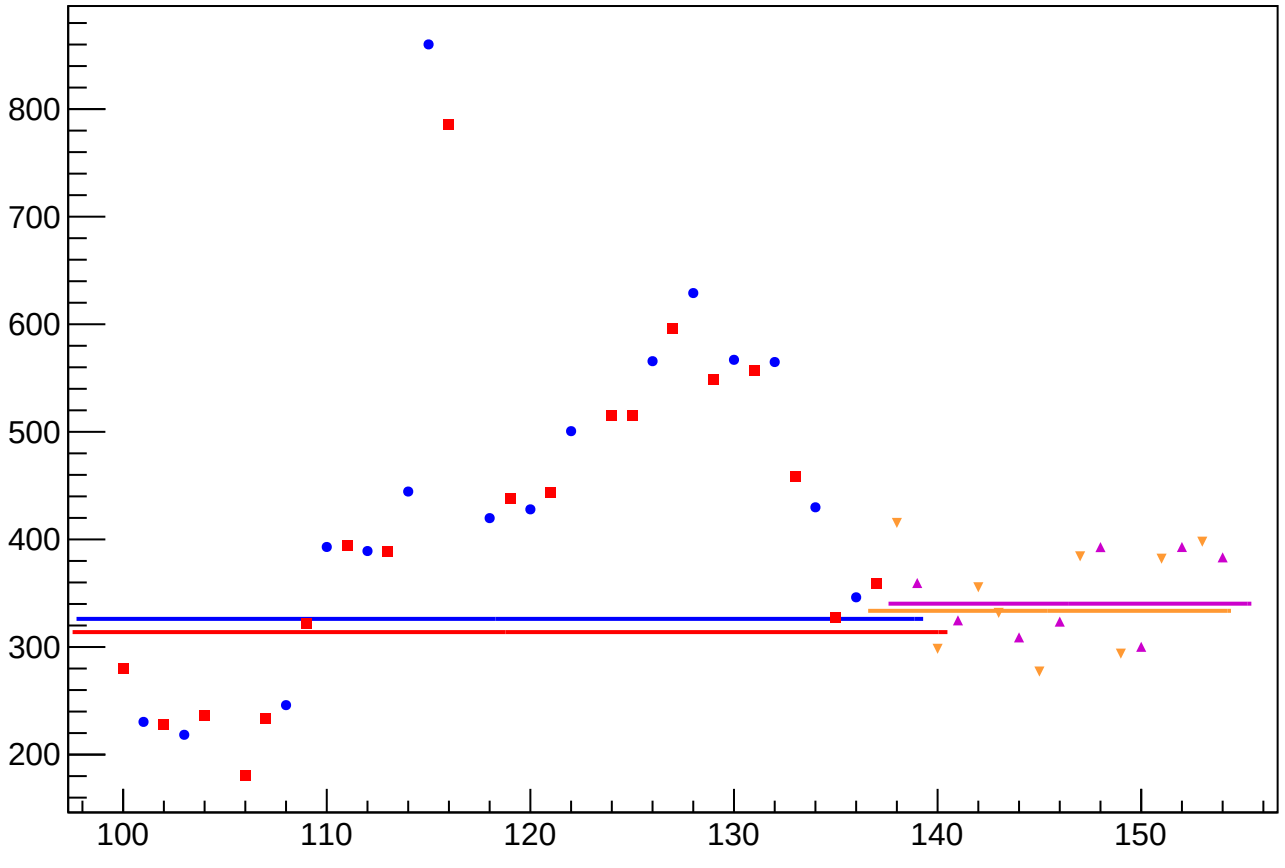
Left: 113.324+/-91.141 χ^2/NDF: 26.2/16

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -119.753+/-91.778 χ^2/NDF:22.9/23

Out: 78.180+/-88.838 χ^2/NDF:33.0/27

All: -17.565+/-63.832 χ^2/NDF: 58.2/51



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: 340.279+/-0.092 χ^2/NDF:146143.4/7

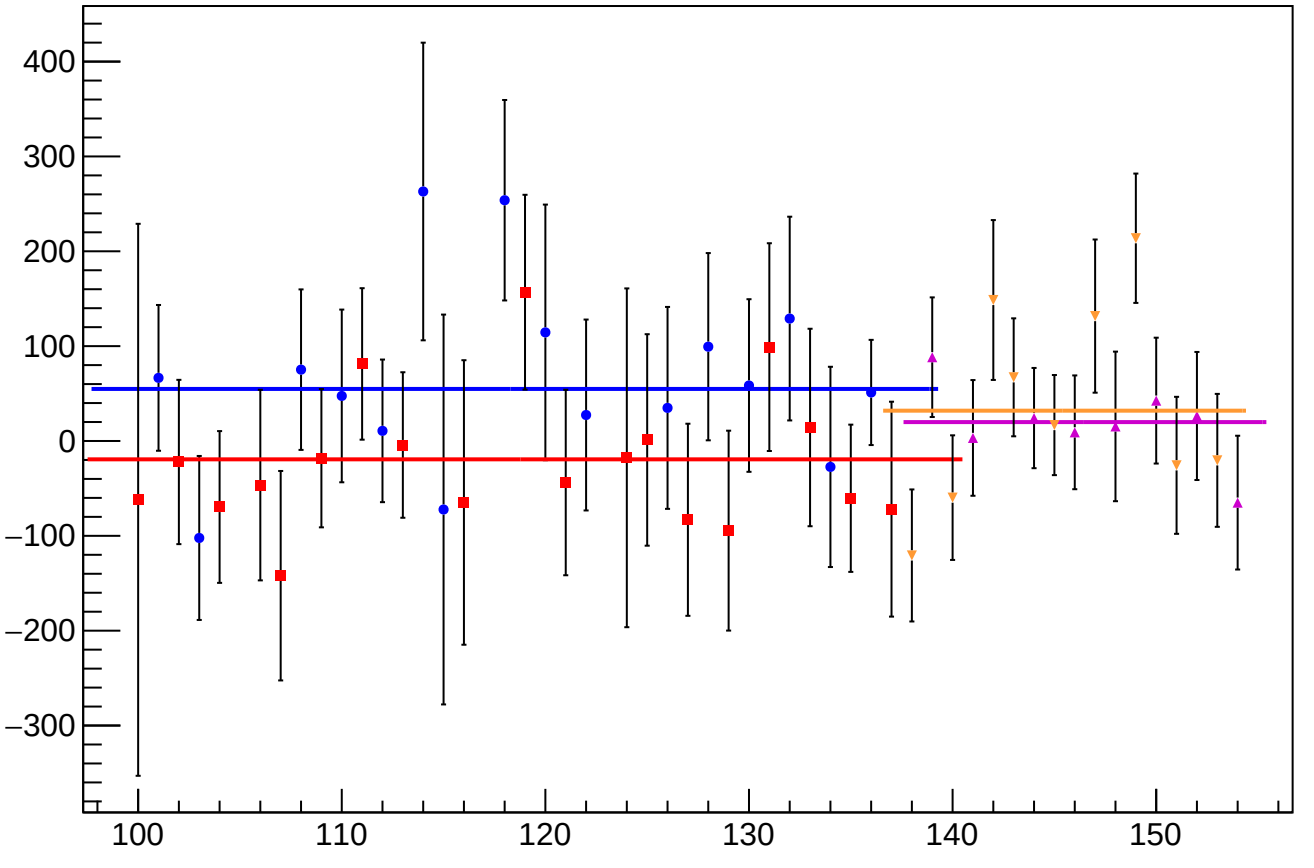
Left: 336.907+/-0.064 χ^2/NDF: 430065.3/16

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 333.202+/-0.065 χ^2/NDF:1891927.3/23

Out: 323.403+/-0.063 χ^2/NDF:2111799.0/27

All: 328.143+/-0.045 χ^2/NDF: 4015495.2/51



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: 19.916+/-22.560 χ^2/NDF:2.9/7

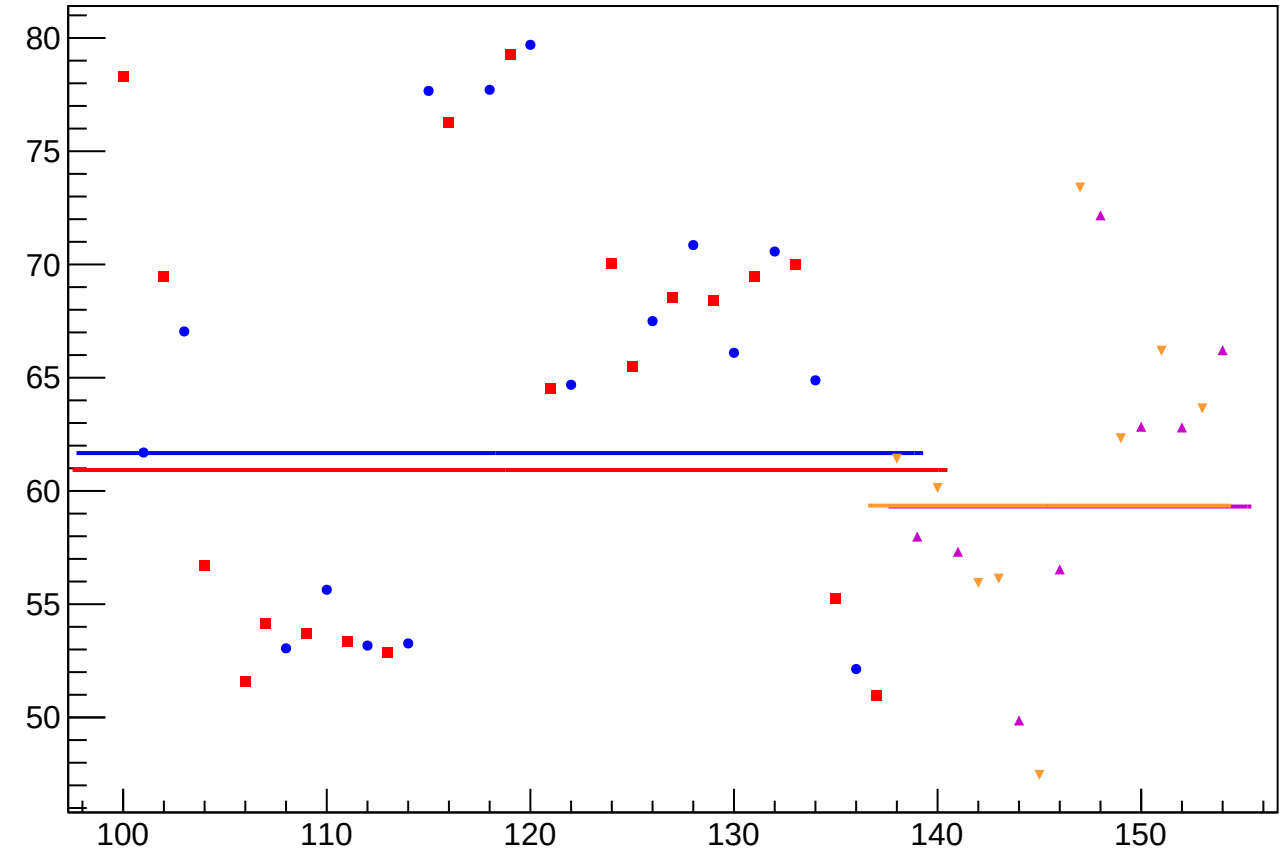
Left: 25.931+/-15.961 χ^2/NDF: 21.9/16

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 36.923+/-16.167 χ^2/NDF:15.1/23

Out: 6.306+/-15.971 χ^2/NDF:30.6/27

All: 21.429+/-11.362 χ^2/NDF: 47.5/51



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: 59.312+/-0.016 χ^2/NDF:154537.1/7

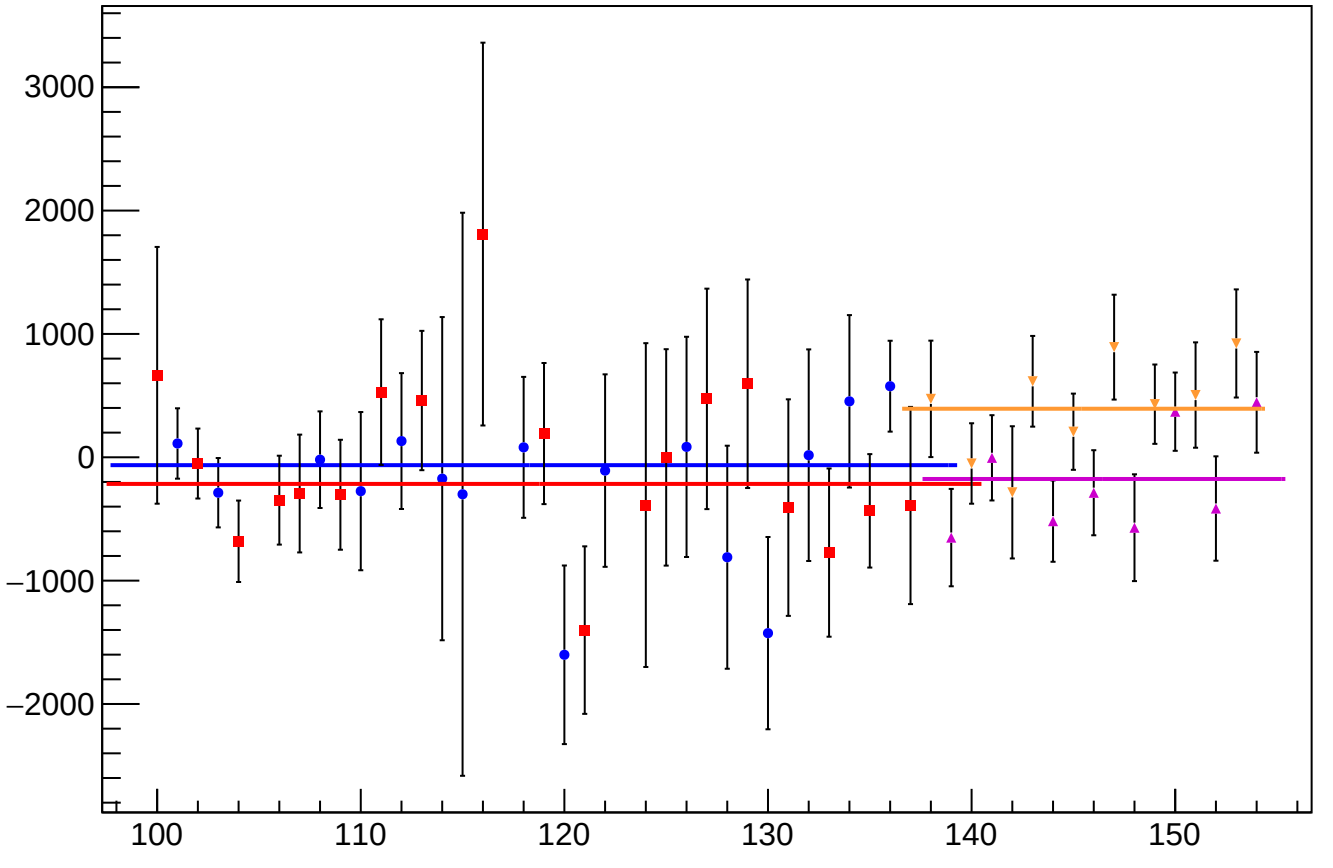
Left: 59.332+/-0.011 χ^2/NDF: 356507.6/16

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.460+/-0.011 χ^2/NDF:432301.9/23

Out: 60.139+/-0.011 χ^2/NDF:494396.8/27

All: 60.298+/-0.008 χ^2/NDF: 927098.6/51



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: -175.892+/-129.914 χ^2/NDF:9.3/7

Left: 113.324+/-91.141 χ^2/NDF: 26.2/16

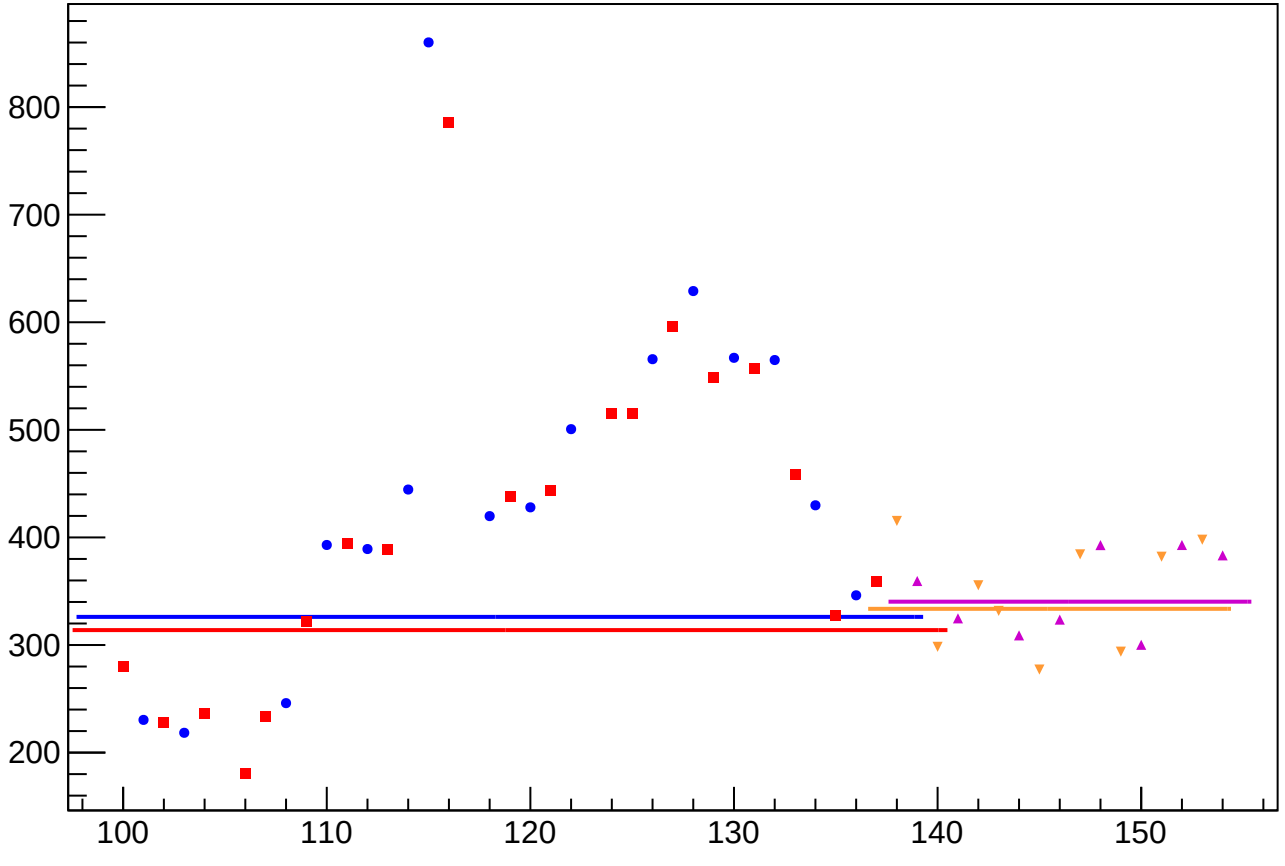
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -119.753+/-91.778 χ^2/NDF:22.9/23

Out: 78.180+/-88.838 χ^2/NDF:33.0/27

All: -17.565+/-63.832 χ^2/NDF: 58.2/51

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: 340.279+/-0.092 χ^2/NDF:146143.4/7

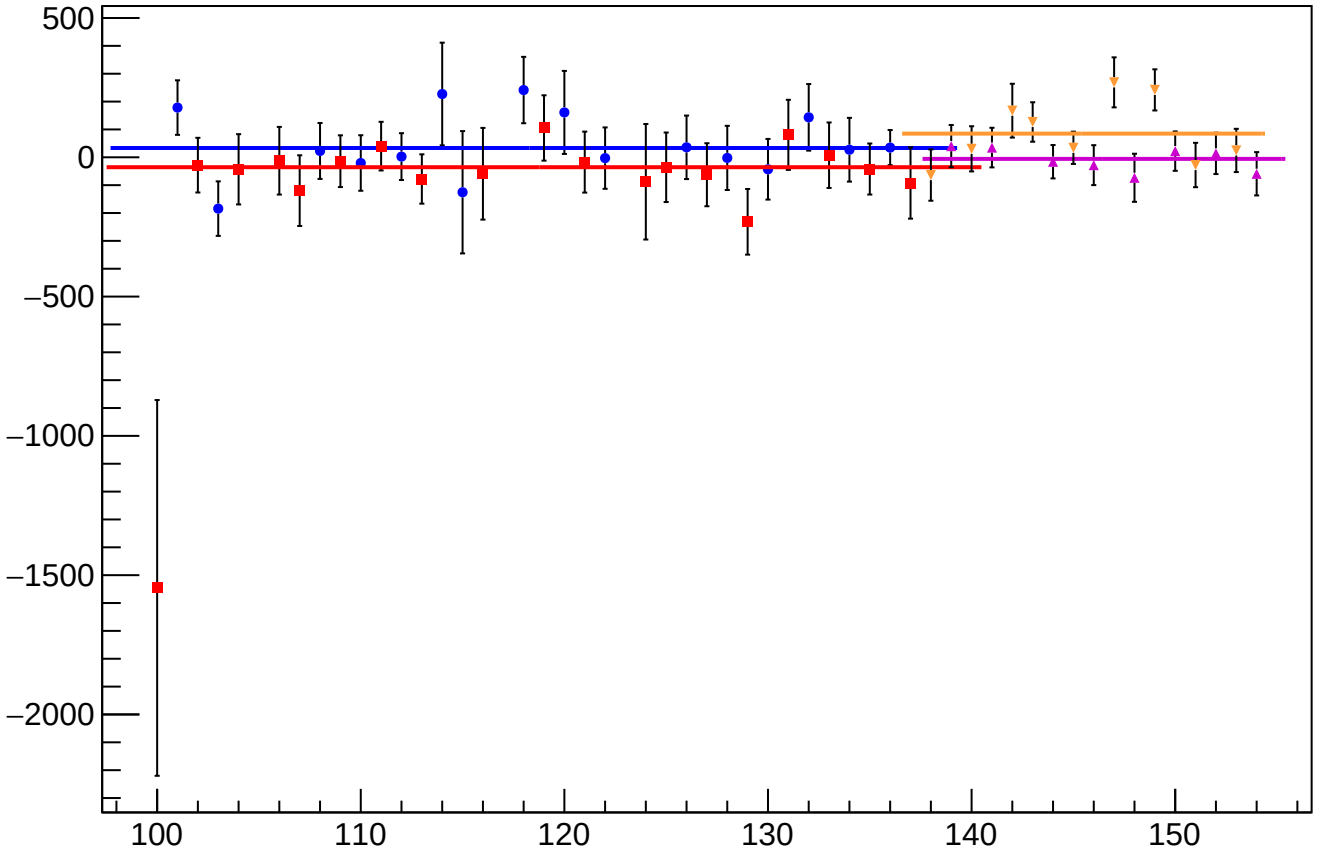
Left: 336.907+/-0.064 χ^2/NDF: 430065.3/16

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 333.202+/-0.065 χ^2/NDF:1891927.3/23

Out: 323.403+/-0.063 χ^2/NDF:2111799.0/27

All: 328.143+/-0.045 χ^2/NDF: 4015495.2/51



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: -5.708+/-25.596 χ^2/NDF:2.1/7

Left: 39.326+/-18.160 χ^2/NDF: 24.6/16

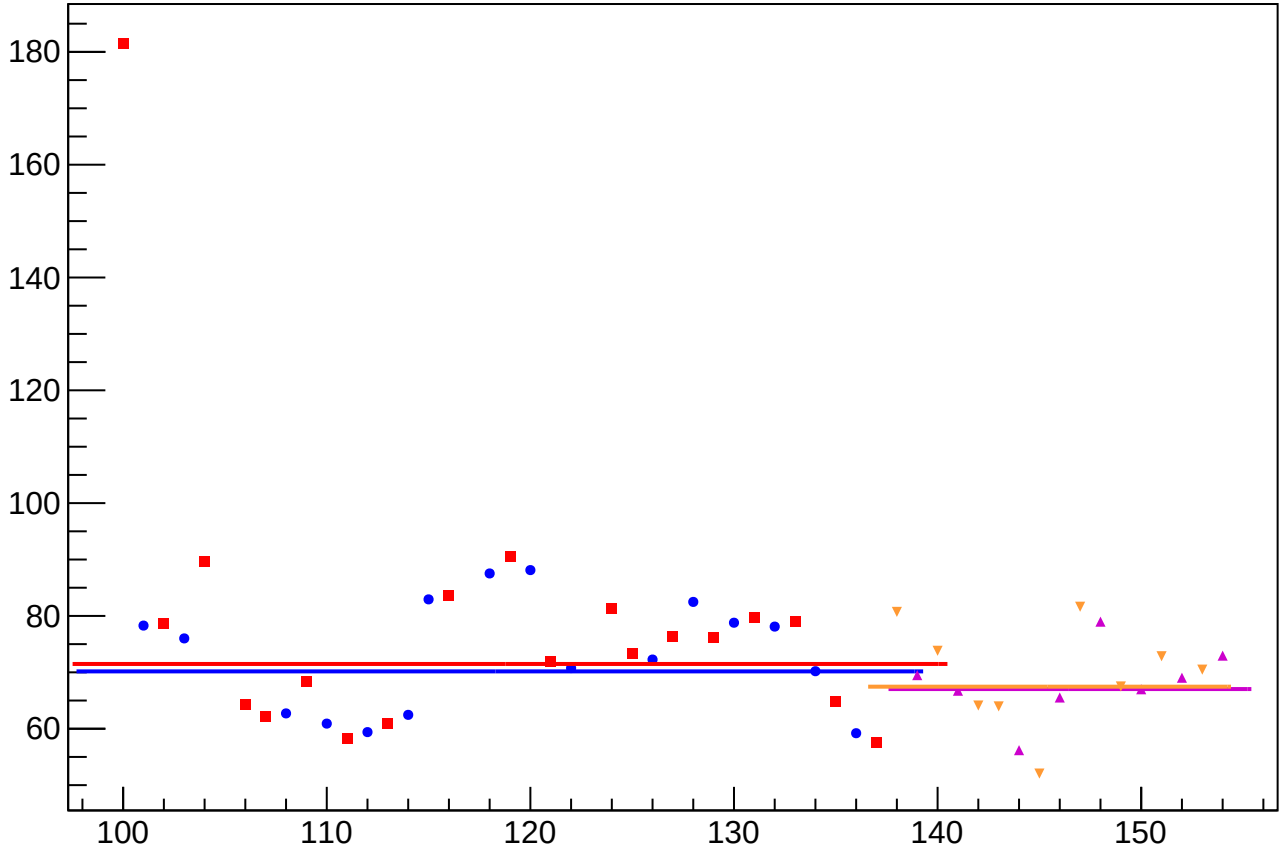
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 13.230+/-18.382 χ^2/NDF:17.8/23

Out: 26.464+/-18.487 χ^2/NDF:39.0/27

All: 19.809+/-13.035 χ^2/NDF: 57.0/51

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 67.457+/-0.018 χ^2/NDF:264573.5/8

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 67.035+/-0.018 χ^2/NDF:119929.6/7

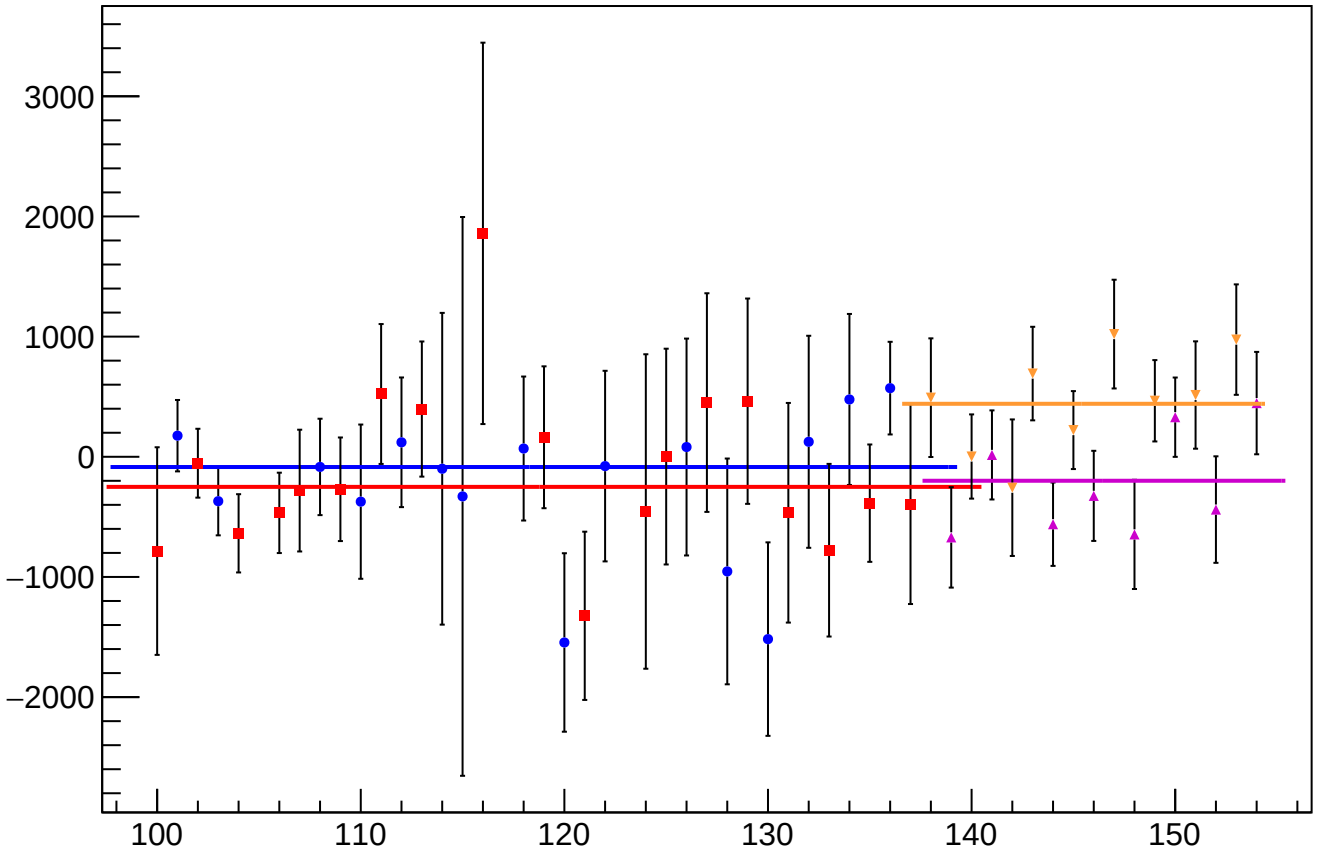
Left: 67.245+/-0.013 χ^2/NDF: 384773.1/16

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 68.552+/-0.013 χ^2/NDF:403685.0/23

Out: 69.411+/-0.013 χ^2/NDF:613982.7/27

All: 68.979+/-0.009 χ^2/NDF: 1019840.4/51



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: -199.494+/-137.289 χ^2/NDF:8.9/7

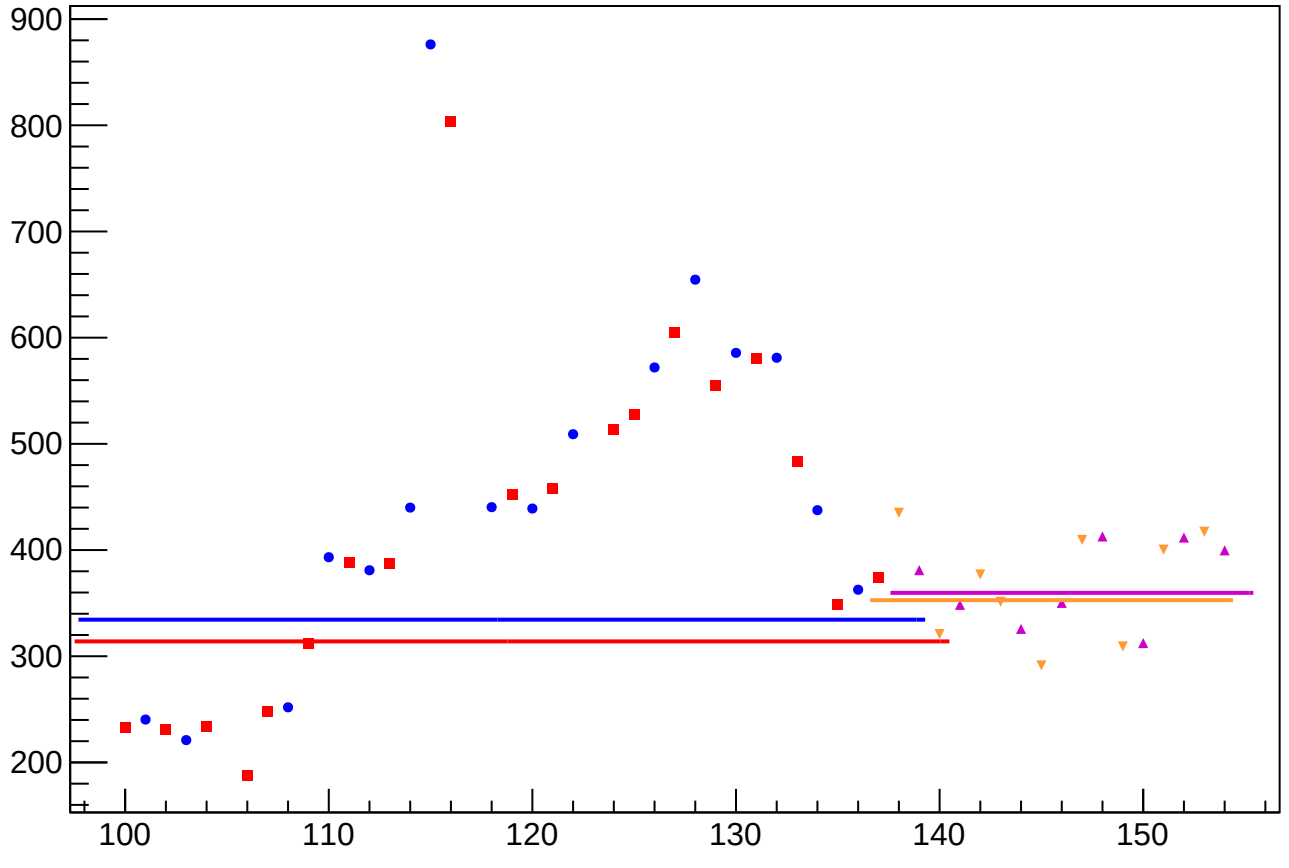
Left: 125.954+/-96.286 χ^2/NDF: 27.0/16

Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -140.473+/-95.480 χ^2/NDF:23.0/23

Out: 63.833+/-91.066 χ^2/NDF:33.8/27

All: -33.489+/-65.899 χ^2/NDF: 59.1/51



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: 359.689+/-0.097 χ^2/NDF:141191.7/7

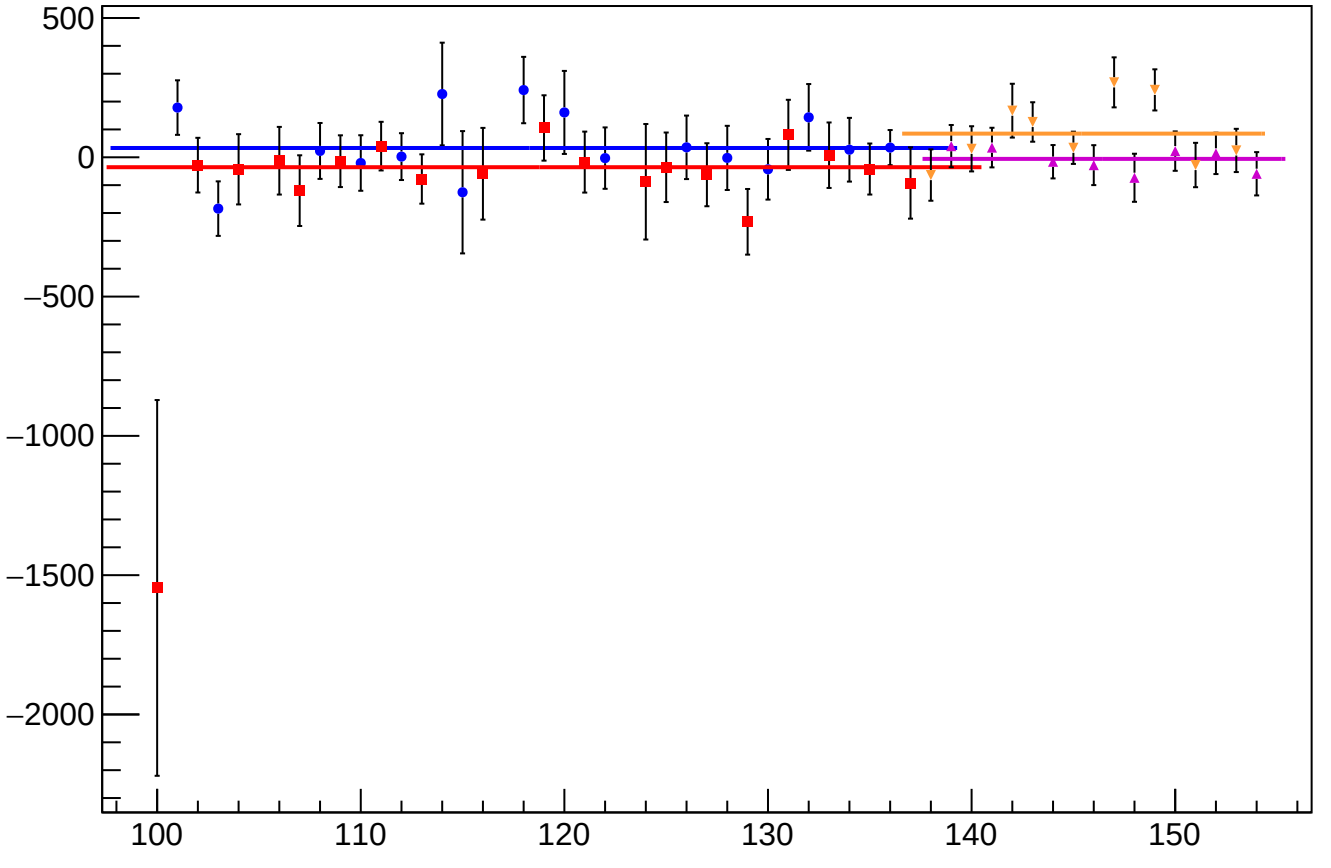
Left: 356.180+/-0.068 χ^2/NDF: 417836.8/16

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 346.648+/-0.068 χ^2/NDF:1906755.0/23

Out: 331.612+/-0.064 χ^2/NDF:2268749.1/27

All: 338.774+/-0.047 χ^2/NDF: 4201474.5/51



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: -5.708+/-25.596 χ^2/NDF:2.1/7

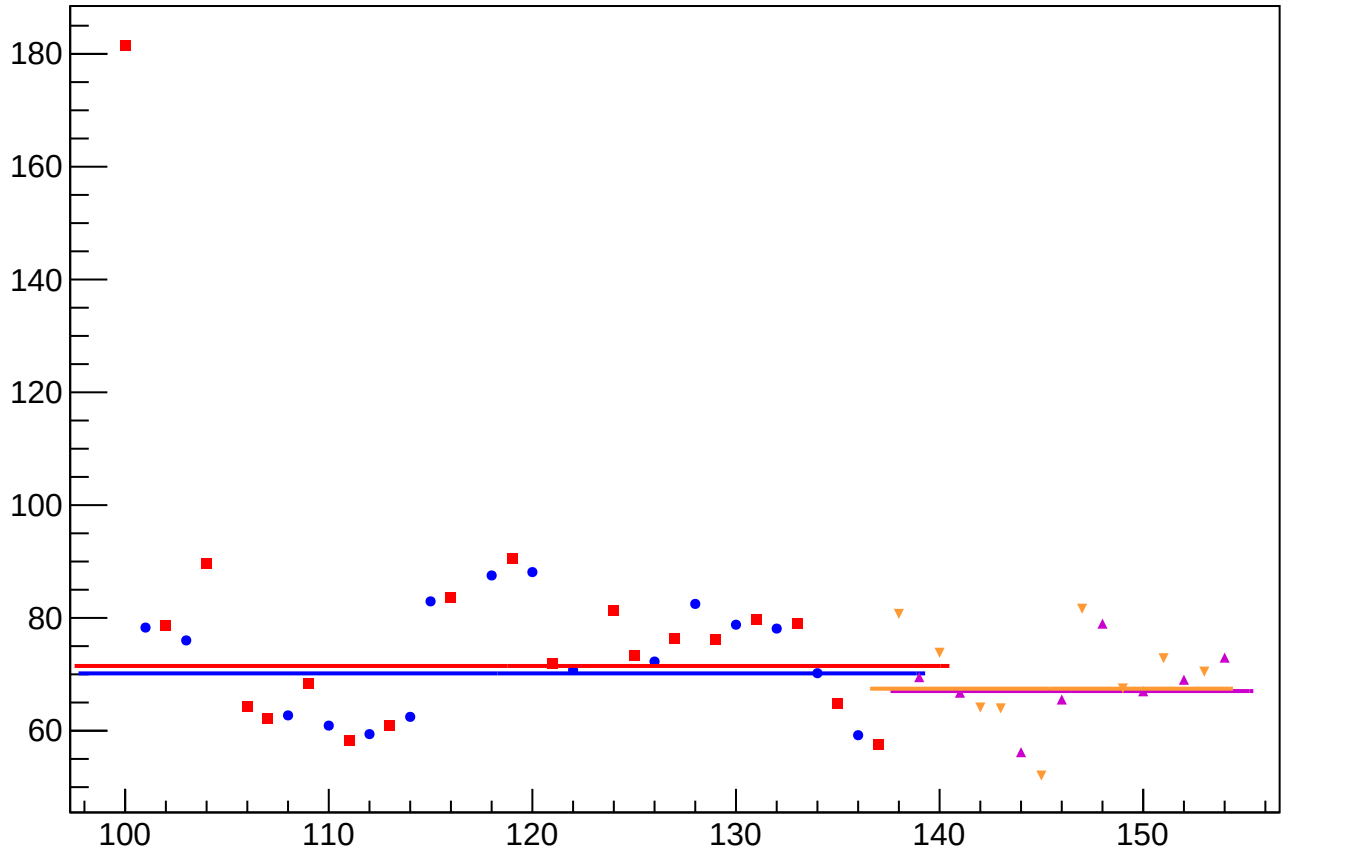
Left: 39.326+/-18.160 χ^2/NDF: 24.6/16

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 13.229+/-18.382 χ^2/NDF:17.8/23

Out: 26.464+/-18.487 χ^2/NDF:39.0/27

All: 19.809+/-13.035 χ^2/NDF: 57.0/51



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: 67.035+/-0.018 χ^2/NDF:119930.1/7

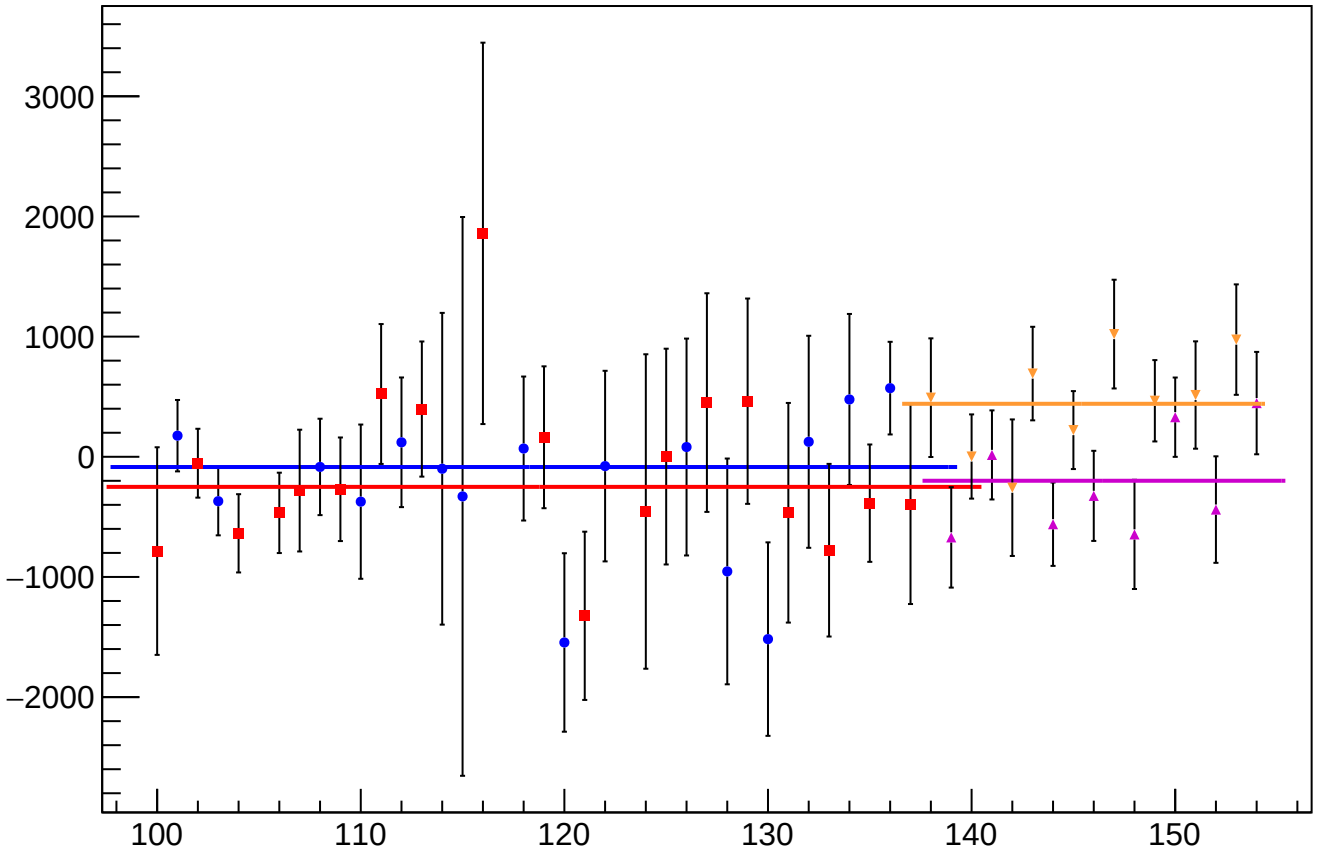
Left: 67.244+/-0.013 χ^2/NDF: 384777.3/16

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 68.552+/-0.013 χ^2/NDF:403689.8/23

Out: 69.411+/-0.013 χ^2/NDF:613994.8/27

All: 68.979+/-0.009 χ^2/NDF: 1019857.1/51



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: -199.494+/-137.289 χ^2/NDF:8.9/7

Left: 125.954+/-96.286 χ^2/NDF: 27.0/16

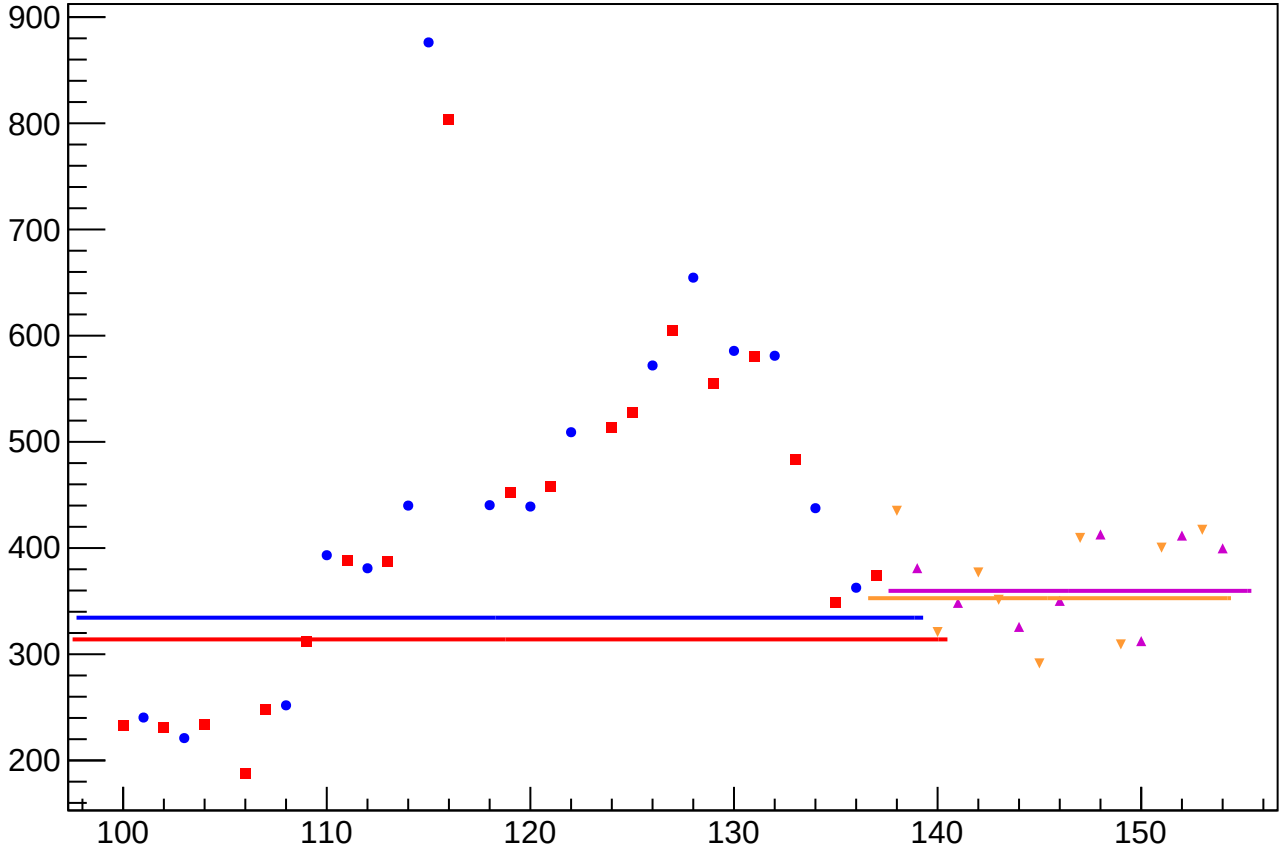
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -140.473+/-95.480 χ^2/NDF:23.0/23

Out: 63.833+/-91.066 χ^2/NDF:33.8/27

All: -33.489+/-65.899 χ^2/NDF: 59.1/51

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: 359.689+/-0.097 χ^2/NDF:141191.2/7

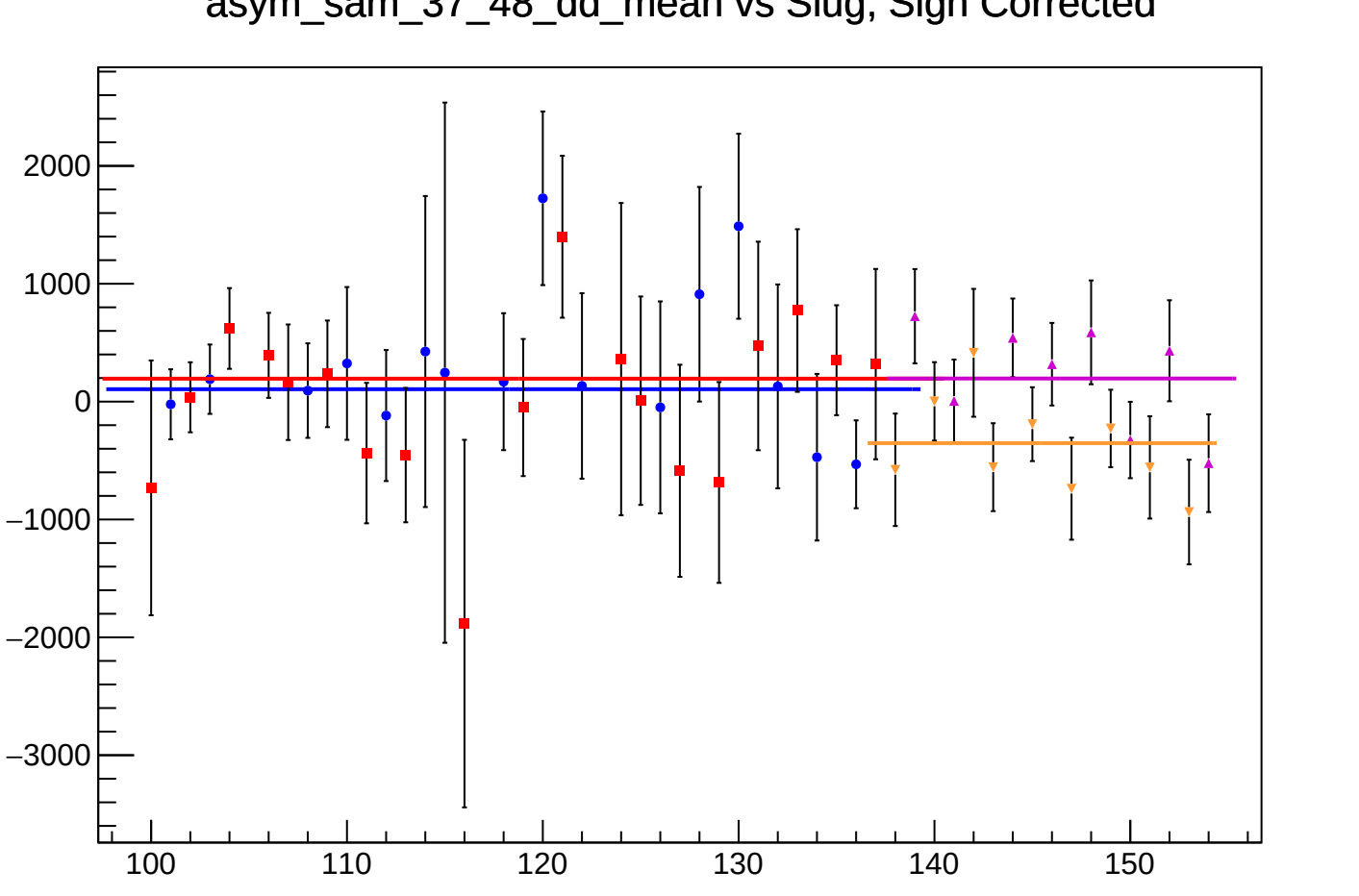
Left: 356.180+/-0.068 χ^2/NDF: 417838.9/16

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 346.648+/-0.068 χ^2/NDF:1906753.0/23

Out: 331.612+/-0.064 χ^2/NDF:2268748.8/27

All: 338.774+/-0.047 χ^2/NDF: 4201473.1/51



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: 196.101+/-131.981 χ^2/NDF:9.9/7

Left: -82.091+/-92.629 χ^2/NDF: 25.5/16

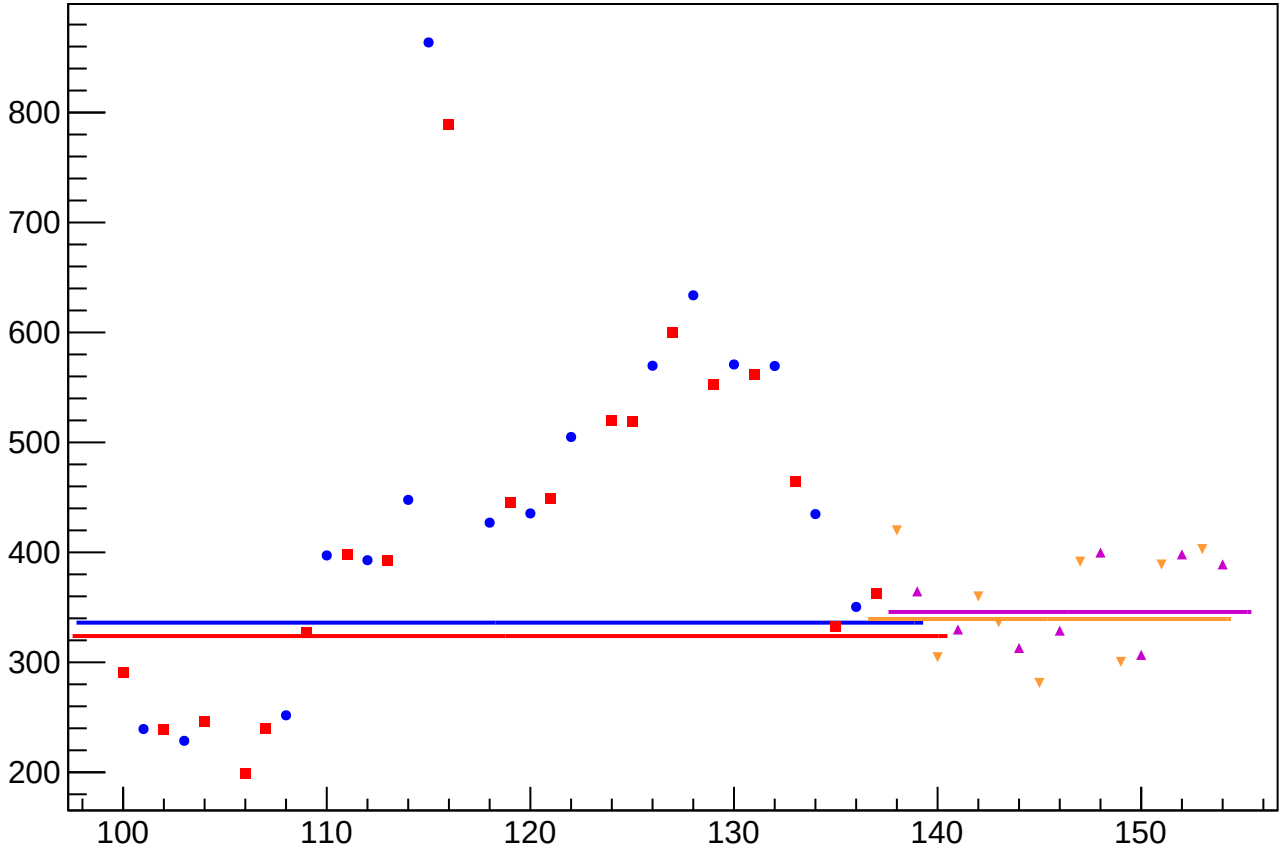
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 151.110+/-93.699 χ^2/NDF:23.1/23

Out: -70.528+/-90.561 χ^2/NDF:29.1/27

All: 36.518+/-65.118 χ^2/NDF: 55.1/51

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: 345.809+/-0.093 χ^2/NDF:143136.3/7

Left: 342.550+/-0.065 χ^2/NDF: 420408.1/16

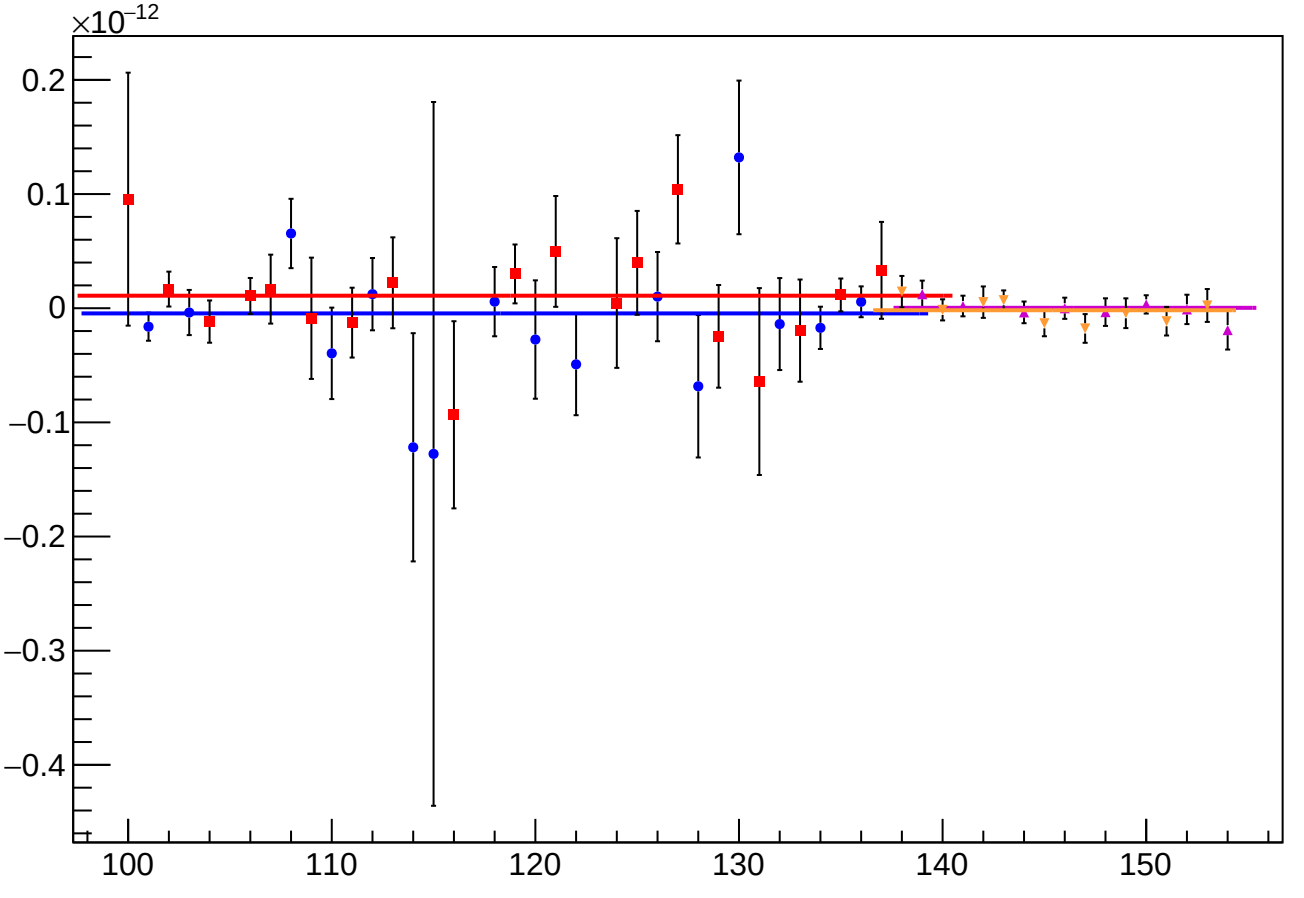
Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 340.990+/-0.066 χ^2/NDF:1767510.5/23

Out: 331.403+/-0.064 χ^2/NDF:1954922.6/27

All: 336.033+/-0.046 χ^2/NDF: 3733256.5/51

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:2.8/7

Left: -0.000+/-0.000 χ^2/NDF: 9.0/16

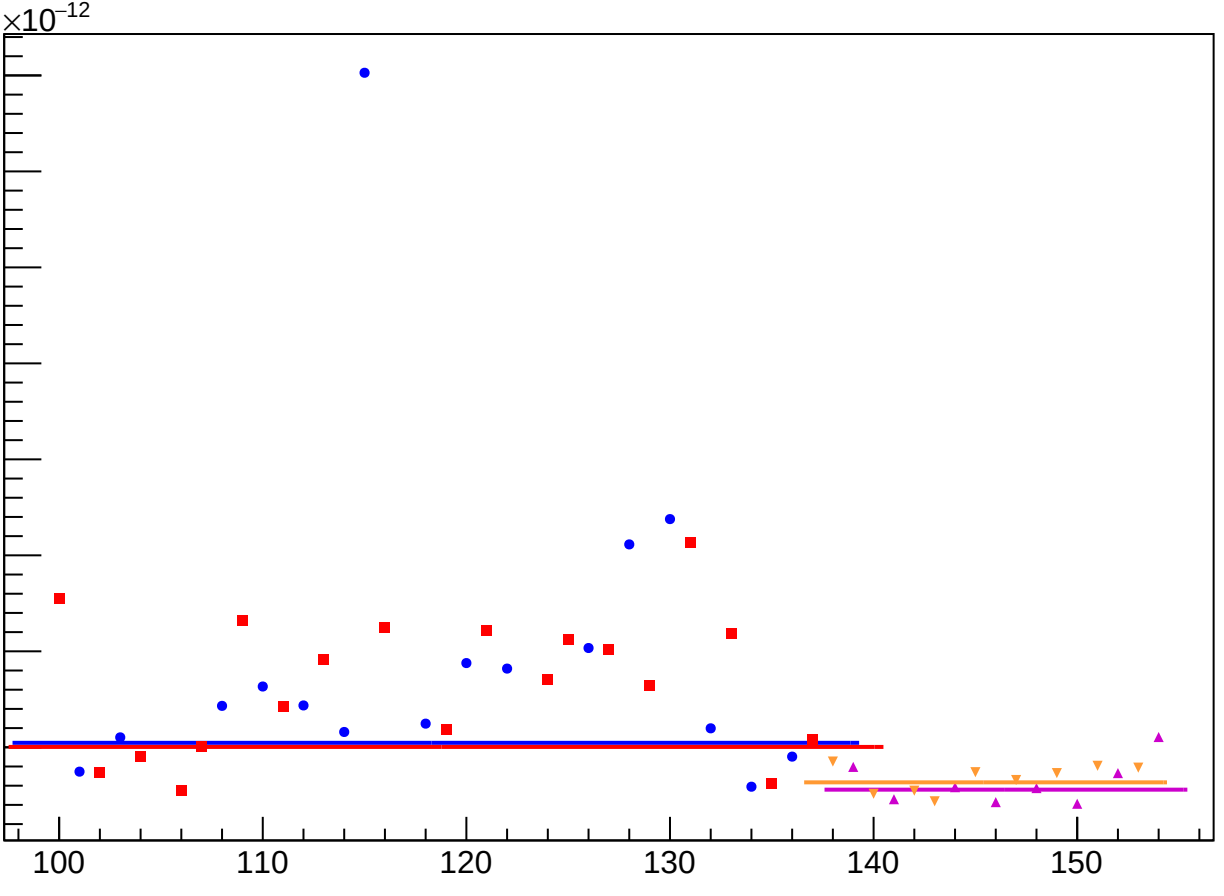
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:19.7/23

Out: 0.000+/-0.000 χ^2/NDF:21.3/27

All: 0.000+/-0.000 χ^2/NDF: 41.3/51

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:455015.9/7

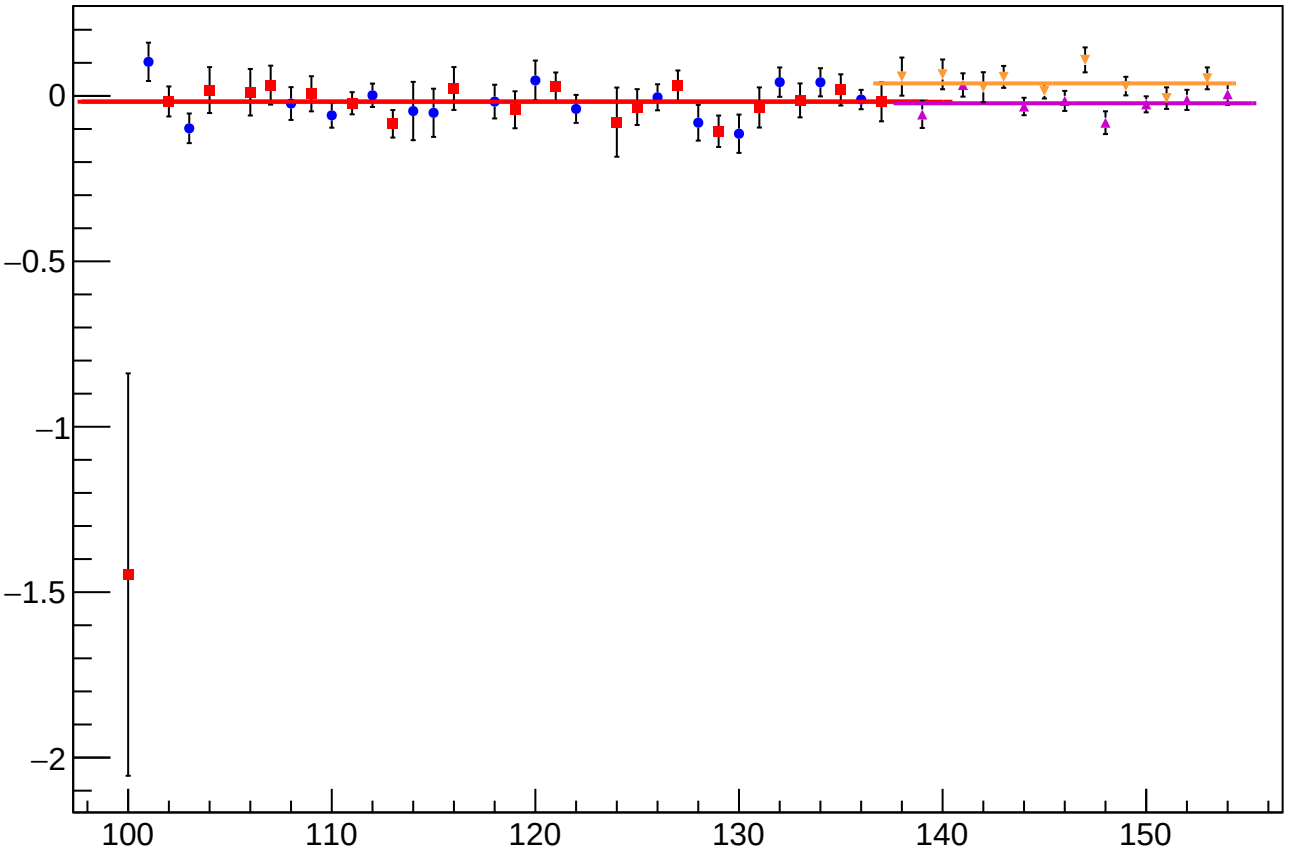
Left: 0.000+/-0.000 χ^2/NDF: 781627.0/16

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2503729.2/23

Out: 0.000+/-0.000 χ^2/NDF:2187407.4/27

All: 0.000+/-0.000 χ^2/NDF: 4719258.4/51



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: -0.022+/-0.011 χ^2/NDF:7.1/7

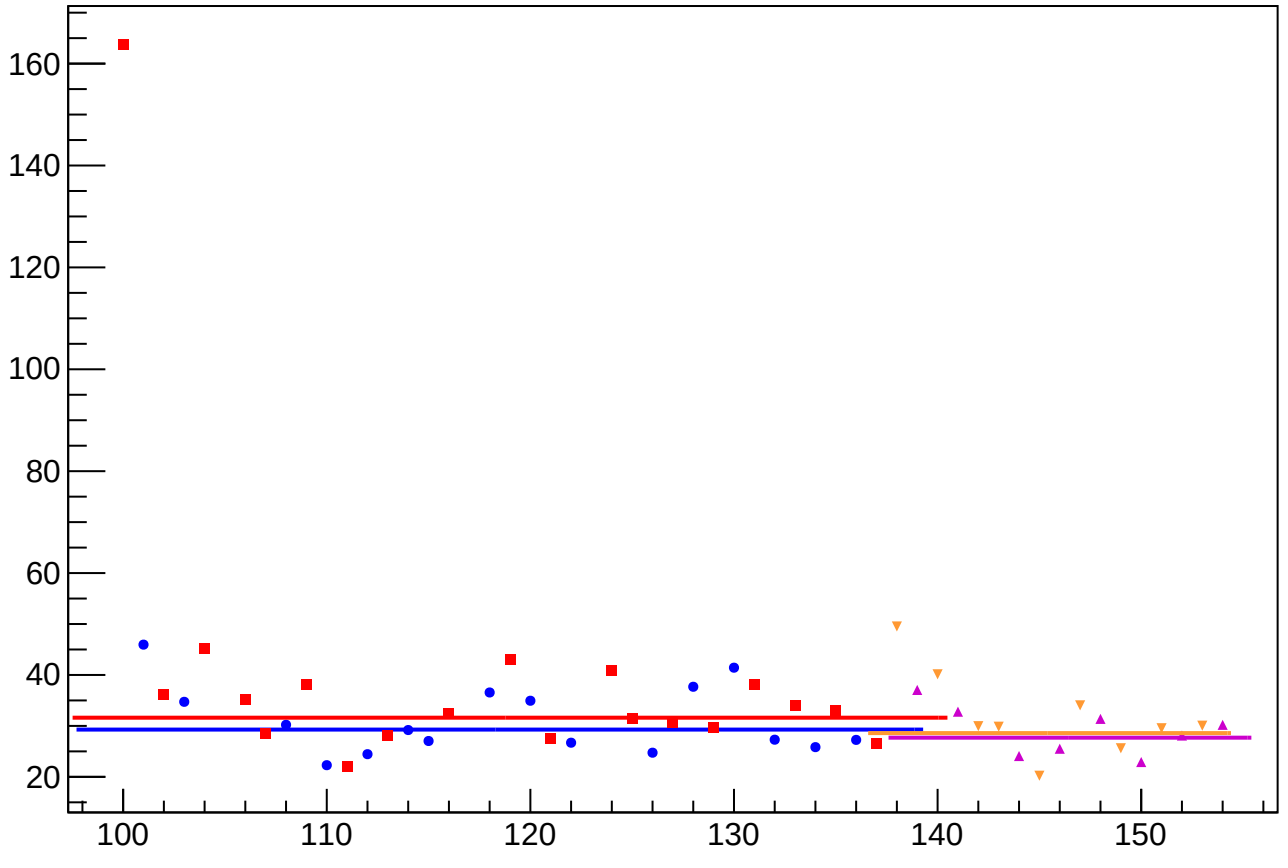
Left: 0.007+/-0.008 χ^2/NDF: 29.5/16

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.008 χ^2/NDF:26.0/23

Out: 0.012+/-0.008 χ^2/NDF:35.7/27

All: -0.005+/-0.006 χ^2/NDF: 69.6/51



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: 27.690+/-0.008 χ^2/NDF:308184.4/7

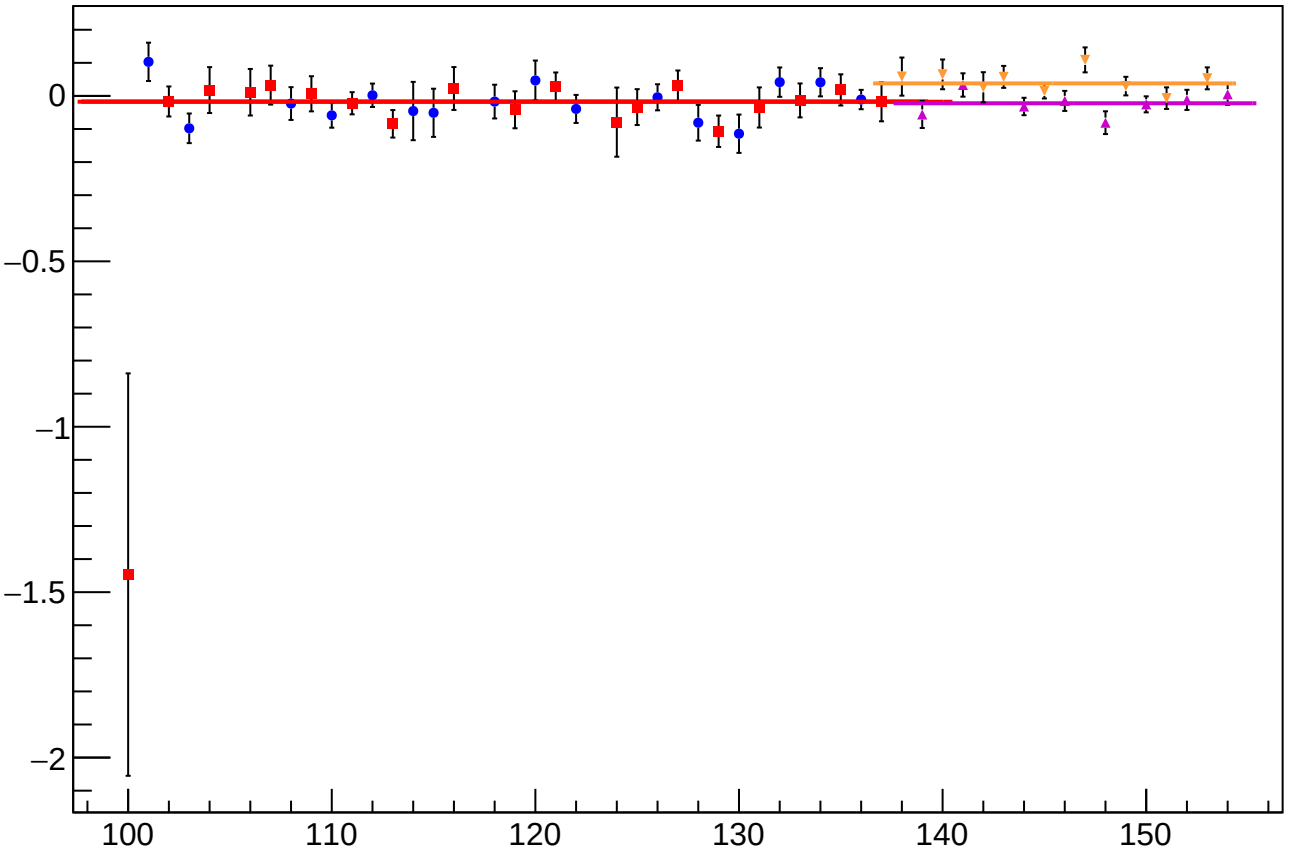
Left: 28.123+/-0.006 χ^2/NDF: 1053571.0/16

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.447+/-0.006 χ^2/NDF:889353.6/23

Out: 29.989+/-0.006 χ^2/NDF:1378055.5/27

All: 29.180+/-0.004 χ^2/NDF: 2304192.8/51



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: -0.022+/-0.011 χ^2/NDF:7.1/7

Left: 0.007+/-0.008 χ^2/NDF: 29.5/16

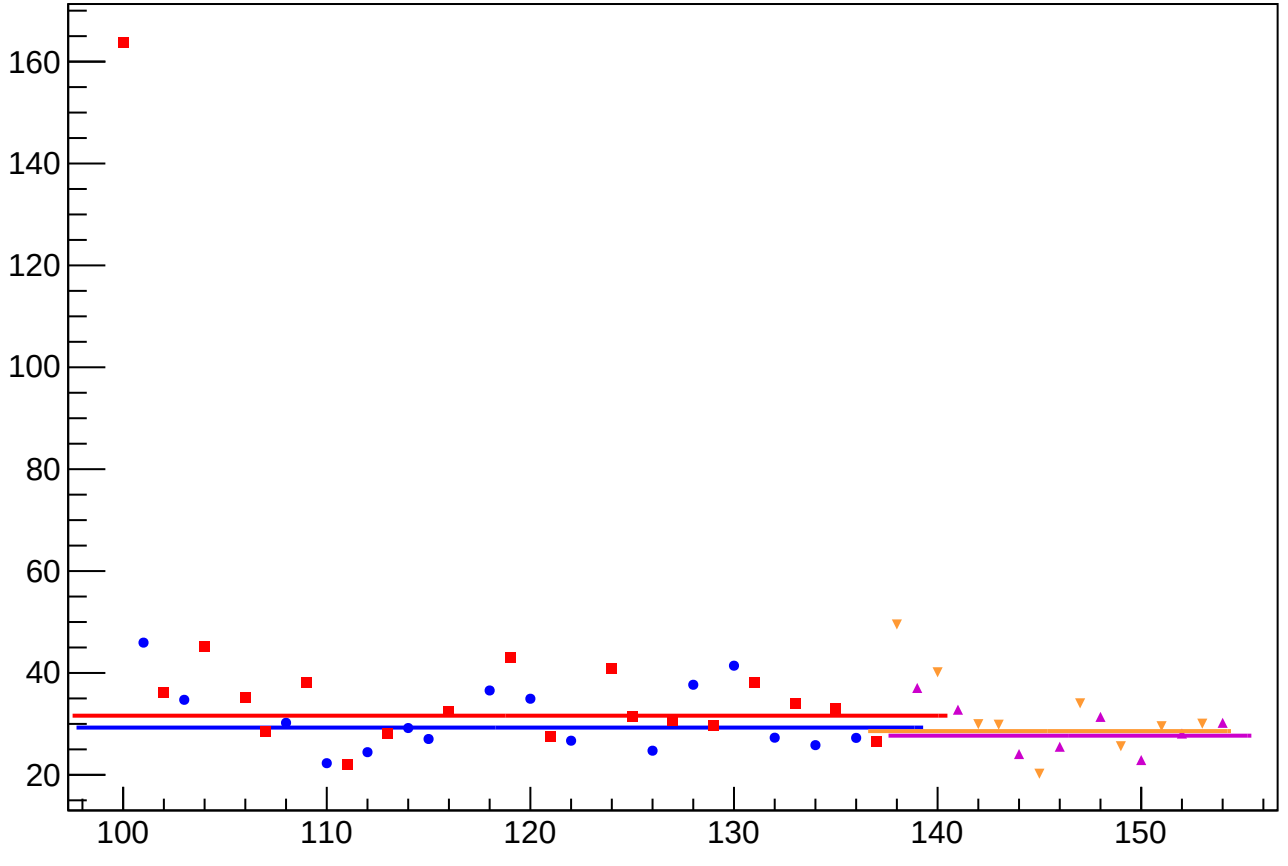
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.008 χ^2/NDF:26.0/23

Out: 0.012+/-0.008 χ^2/NDF:35.7/27

All: -0.005+/-0.006 χ^2/NDF: 69.6/51

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: 27.690+/-0.008 χ^2/NDF:308184.4/7

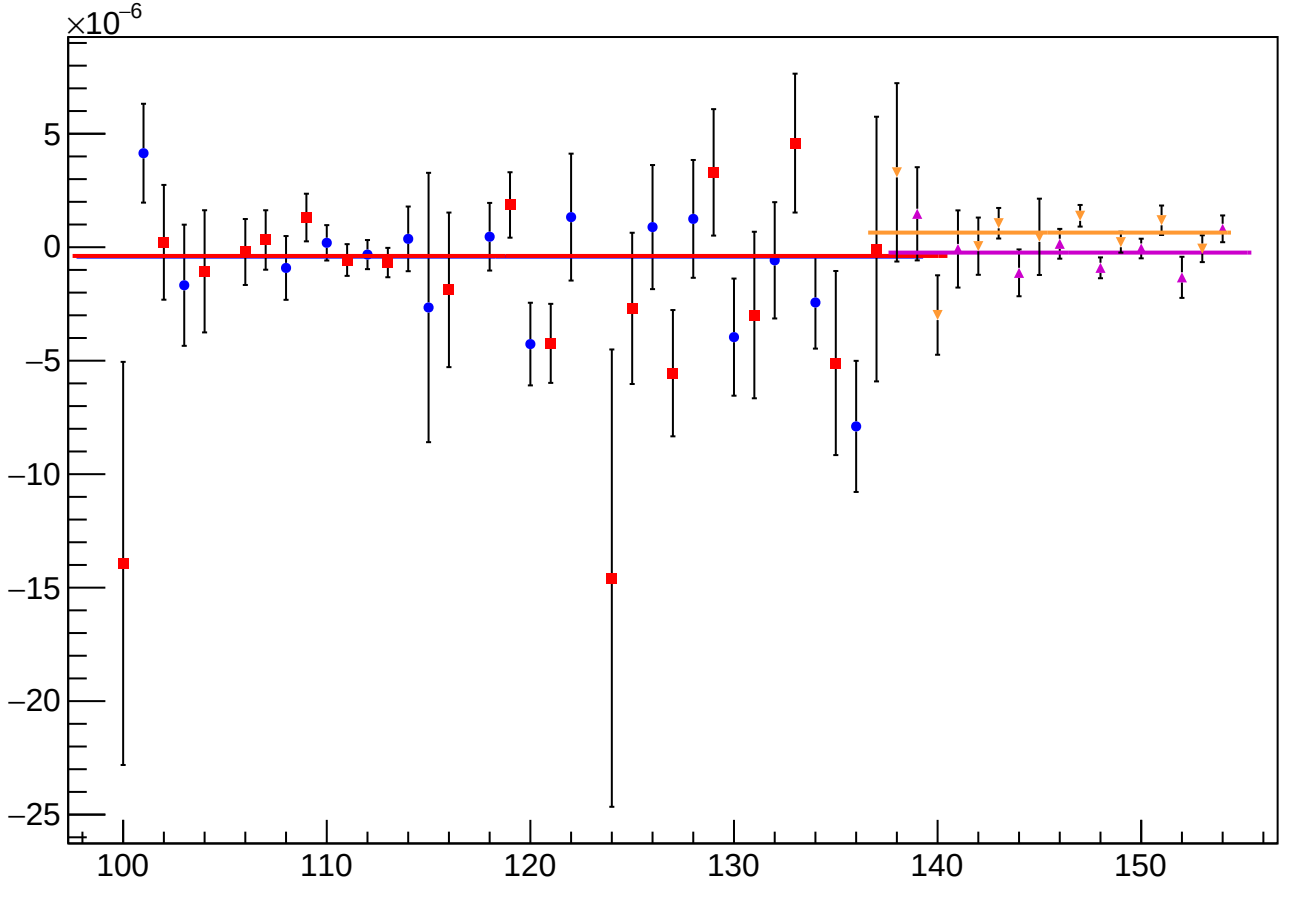
Left: 28.123+/-0.006 χ^2/NDF: 1053571.0/16

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.447+/-0.006 χ^2/NDF:889353.6/23

Out: 29.989+/-0.006 χ^2/NDF:1378055.5/27

All: 29.180+/-0.004 χ^2/NDF: 2304192.8/51



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:8.7/7

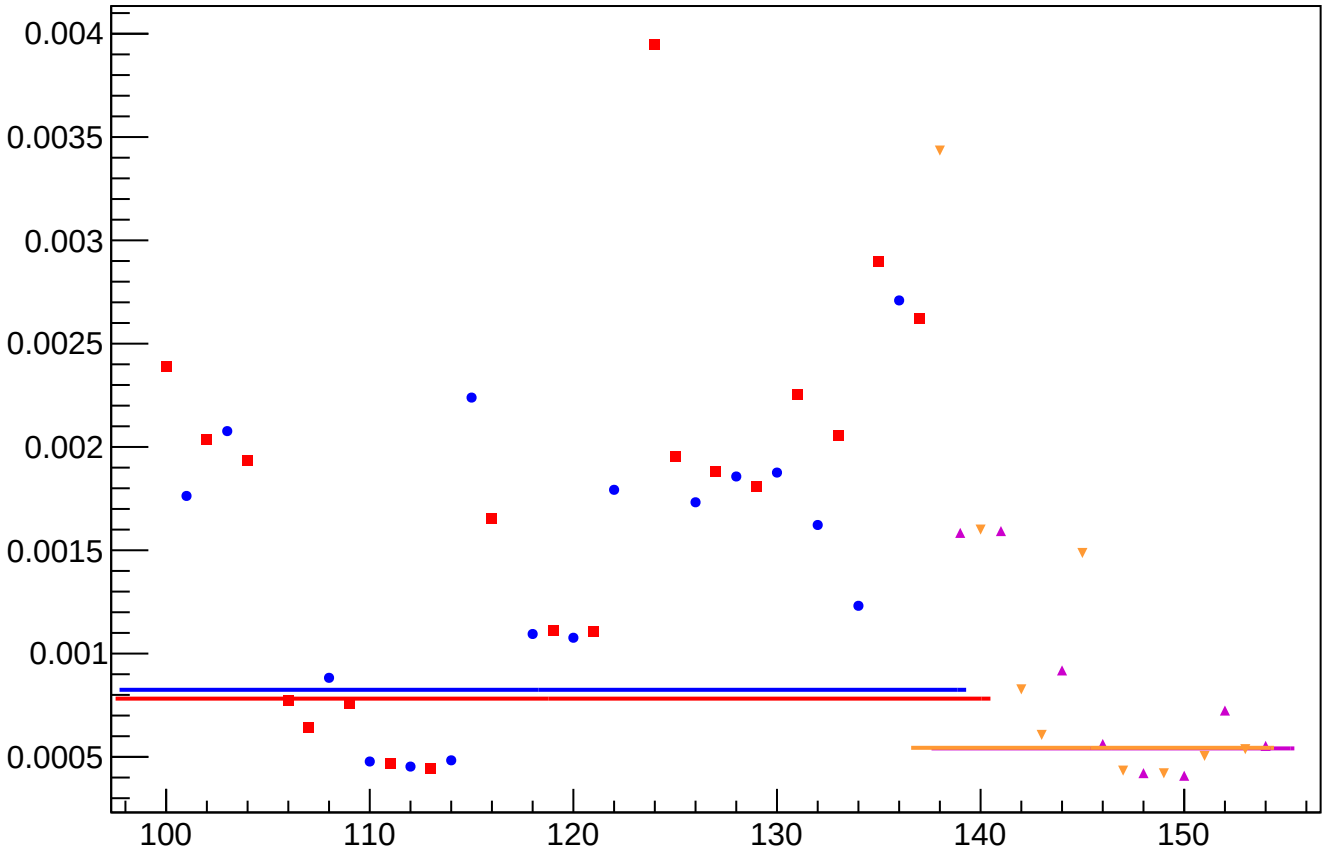
Left: 0.000+/-0.000 χ^2/NDF: 26.5/16

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:30.1/23

Out: 0.000+/-0.000 χ^2/NDF:42.0/27

All: 0.000+/-0.000 χ^2/NDF: 76.9/51



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:1956913.1/7

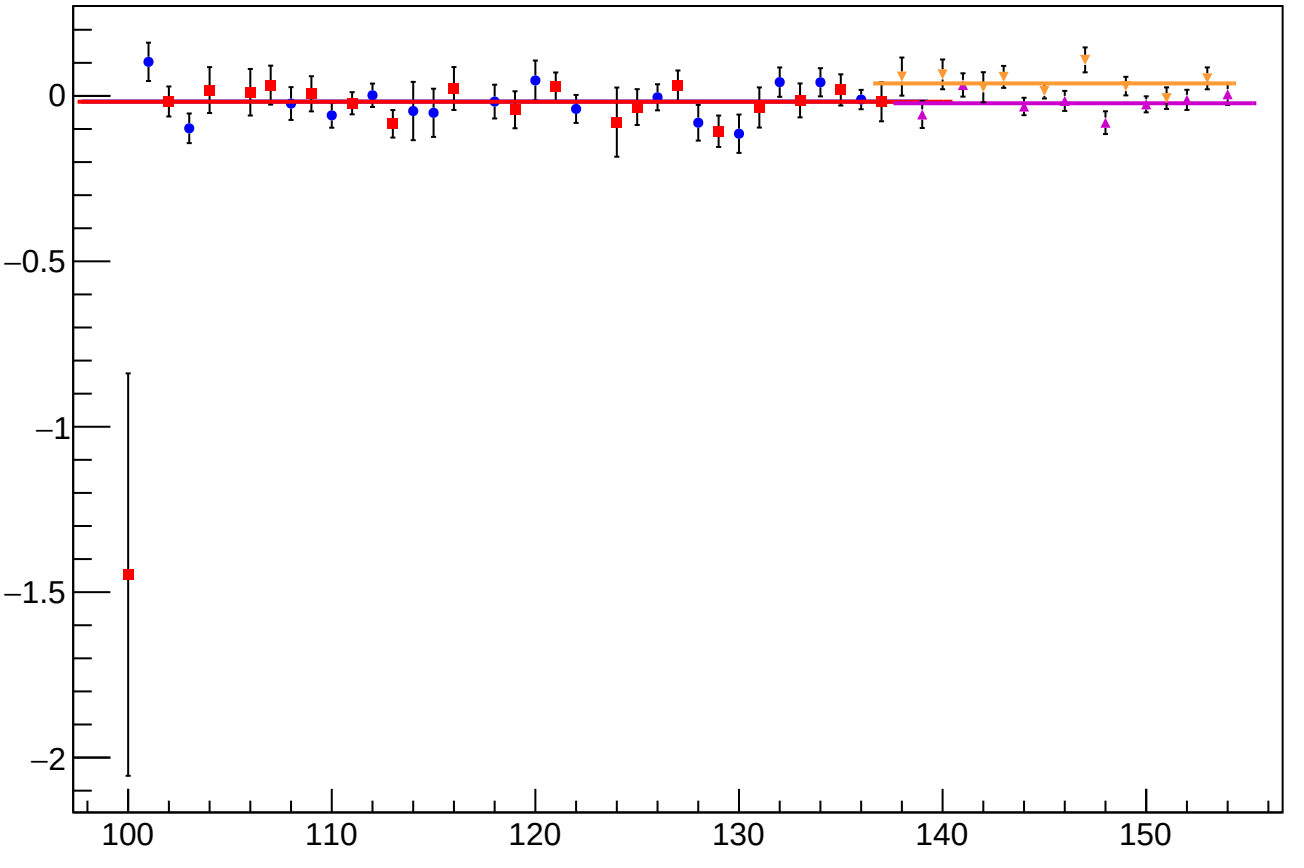
Left: 0.001+/-0.000 χ^2/NDF: 4772834.5/16

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:7240323.8/23

Out: 0.001+/-0.000 χ^2/NDF:8093497.4/27

All: 0.001+/-0.000 χ^2/NDF: 15334207.9/51



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: -0.022+/-0.011 χ^2/NDF:7.1/7

Left: 0.007+/-0.008 χ^2/NDF: 29.5/16

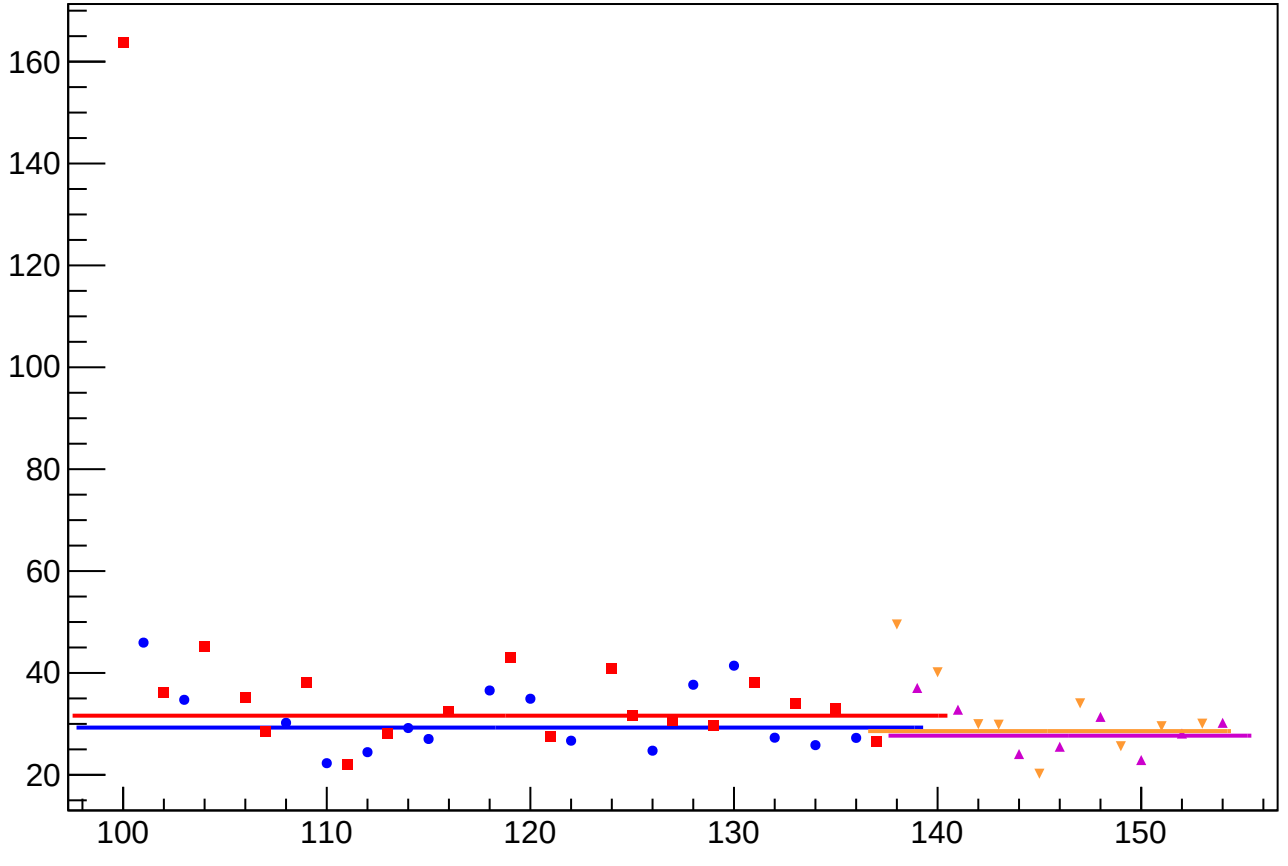
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.008 χ^2/NDF:26.0/23

Out: 0.012+/-0.008 χ^2/NDF:35.7/27

All: -0.005+/-0.006 χ^2/NDF: 69.6/51

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: 27.690+/-0.008 χ^2/NDF:308155.8/7

Left: 28.123+/-0.006 χ^2/NDF: 1053588.0/16

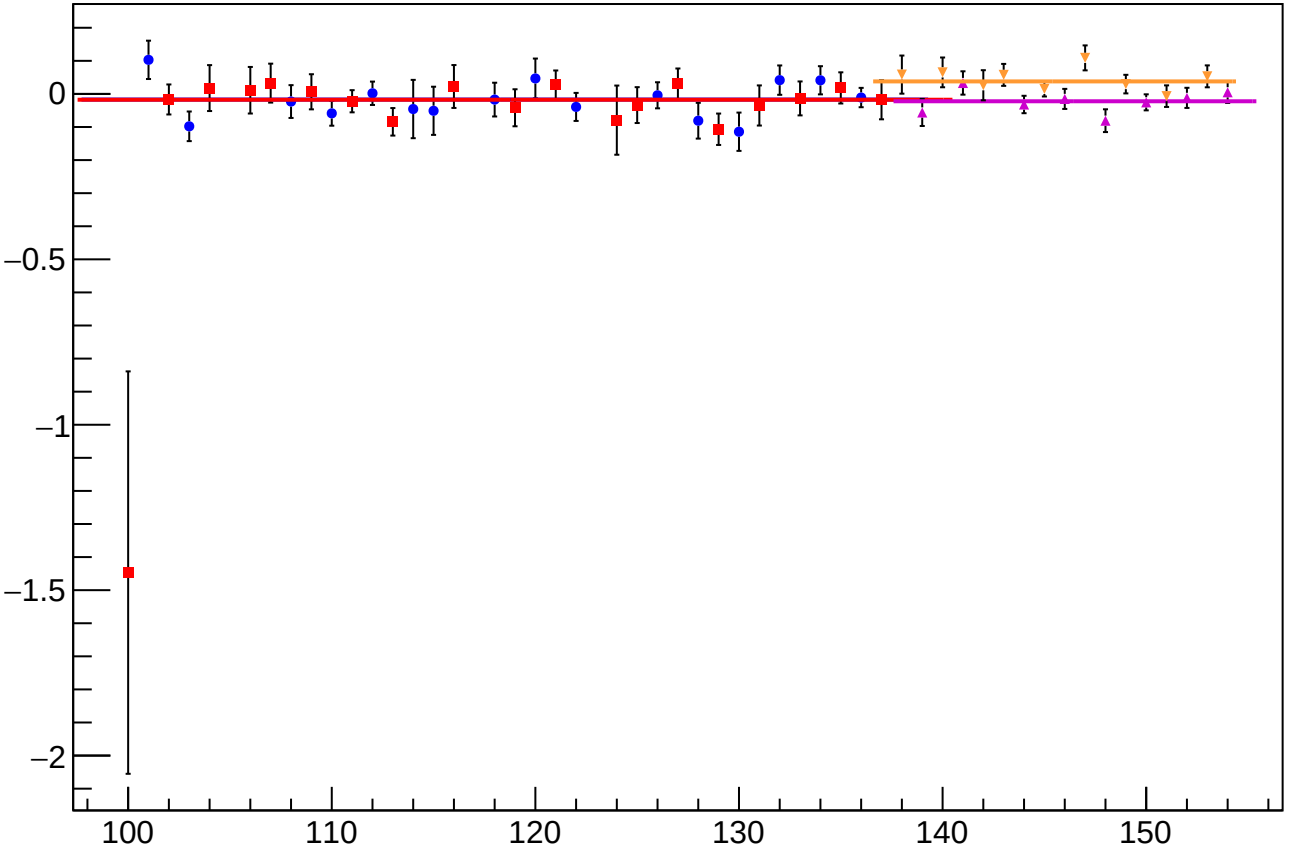
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.447+/-0.006 χ^2/NDF:889328.8/23

Out: 29.988+/-0.006 χ^2/NDF:1378126.7/27

All: 29.180+/-0.004 χ^2/NDF: 2304234.4/51

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.038+/-0.011 χ^2/NDF:7.6/8

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.022+/-0.011 χ^2/NDF:7.1/7

Left: 0.007+/-0.008 χ^2/NDF: 29.5/16

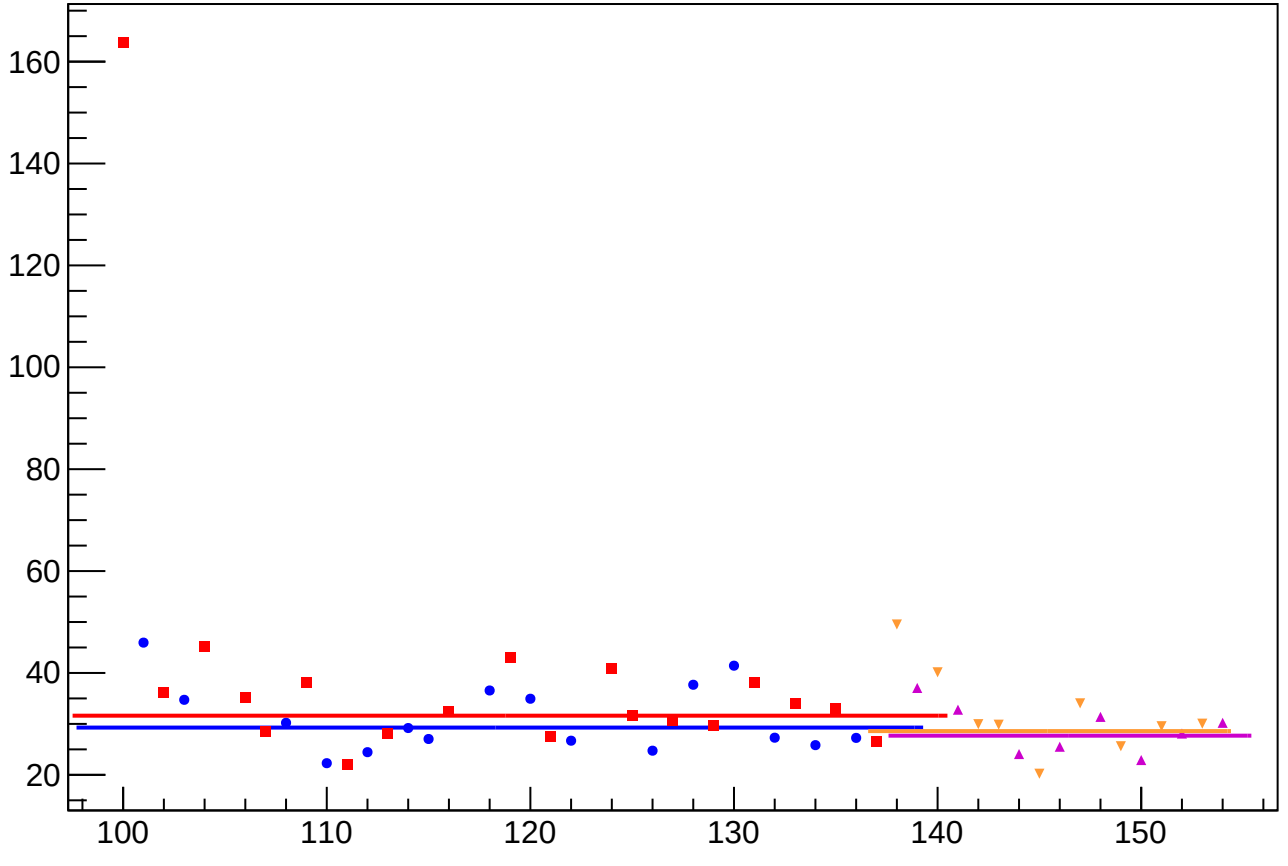
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.008 χ^2/NDF:26.0/23

Out: 0.012+/-0.008 χ^2/NDF:35.7/27

All: -0.005+/-0.006 χ^2/NDF: 69.6/51

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: 27.690+/-0.008 χ^2/NDF:308155.8/7

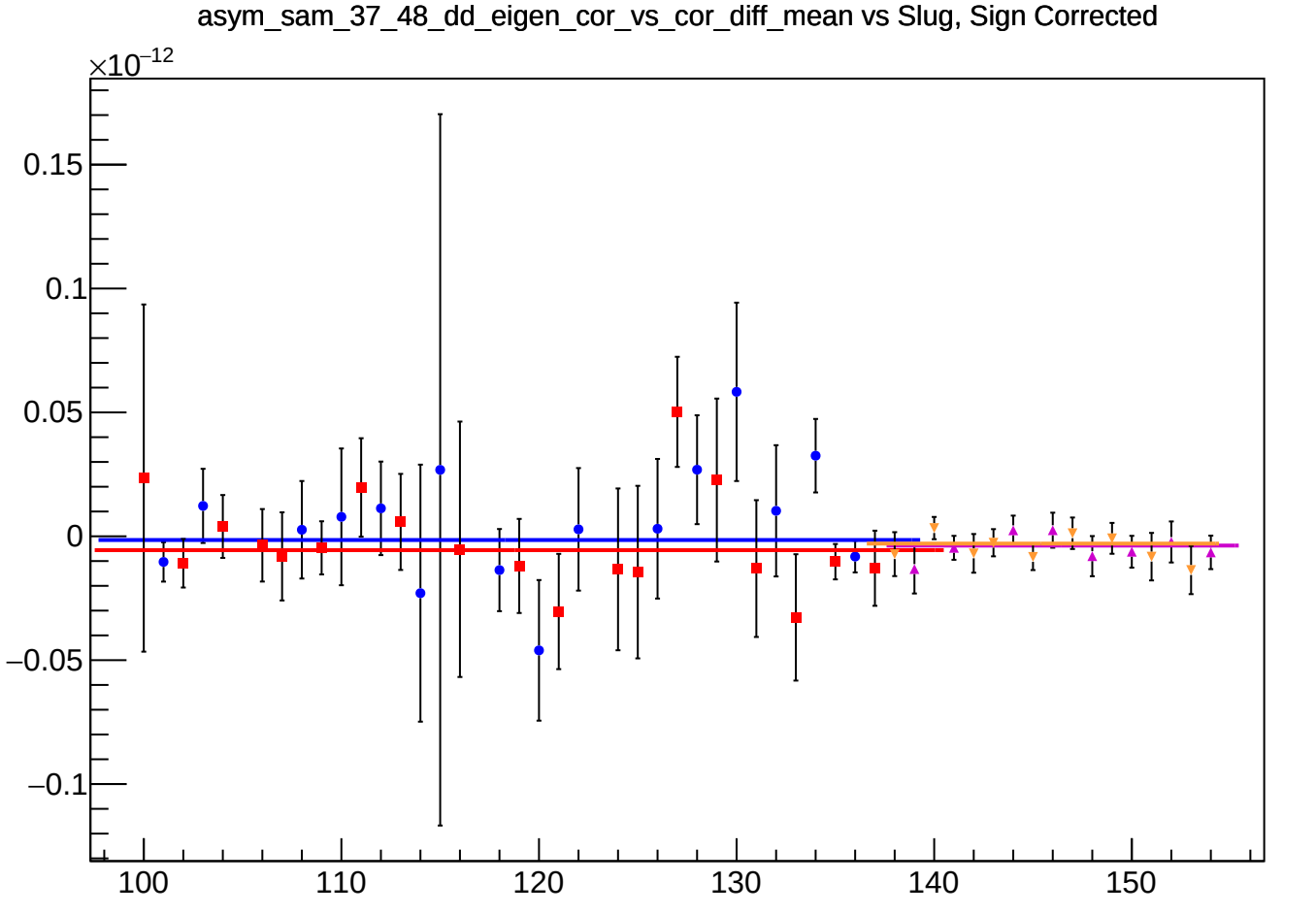
Left: 28.123+/-0.006 χ^2/NDF: 1053588.0/16

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

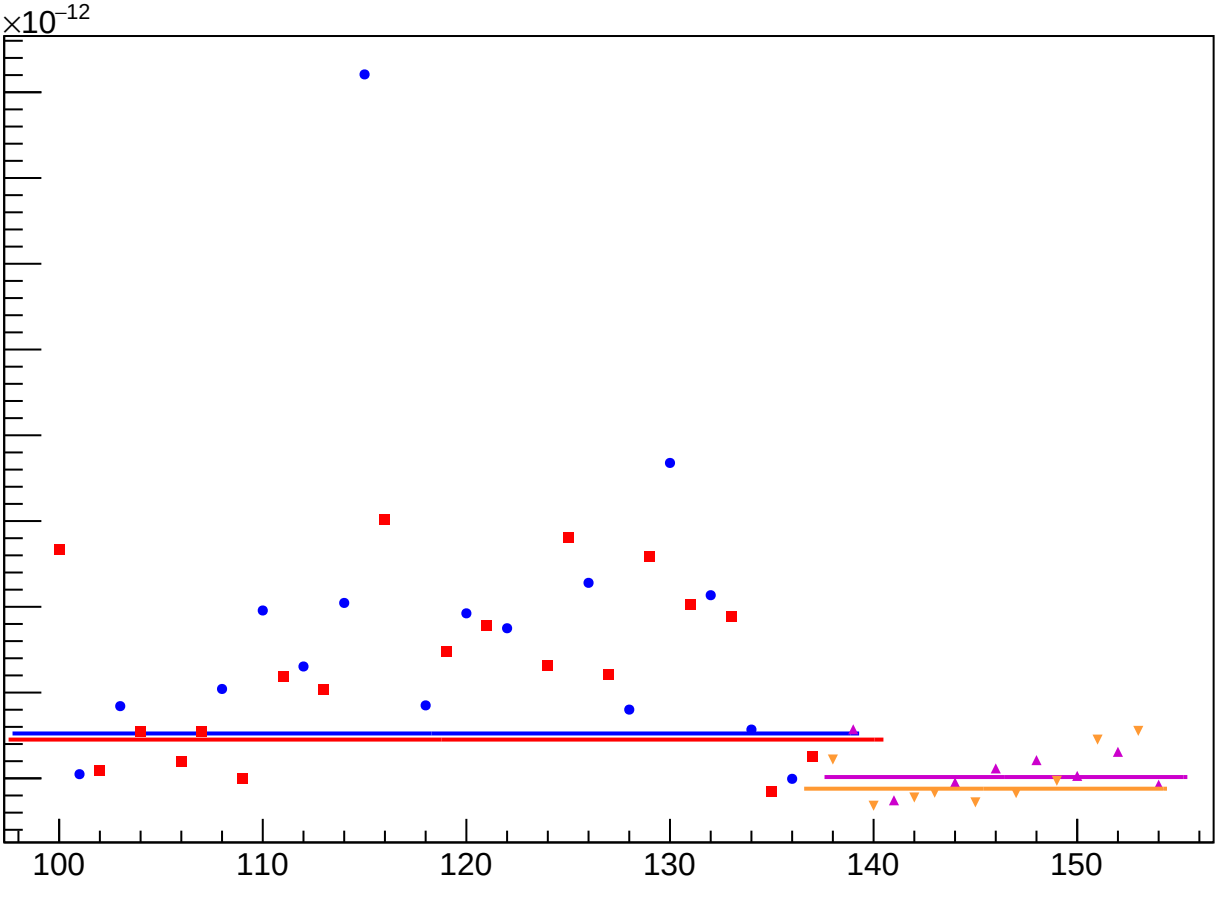
In: 28.447+/-0.006 χ^2/NDF:889328.8/23

Out: 29.988+/-0.006 χ^2/NDF:1378126.7/27

All: 29.180+/-0.004 χ^2/NDF: 2304234.4/51


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:3.4/7
Left: -0.000+/-0.000 χ²/NDF: 9.0/16
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:20.6/23
Out: -0.000+/-0.000 χ²/NDF:19.2/27
All: -0.000+/-0.000 χ²/NDF: 39.9/51

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:433590.5/7

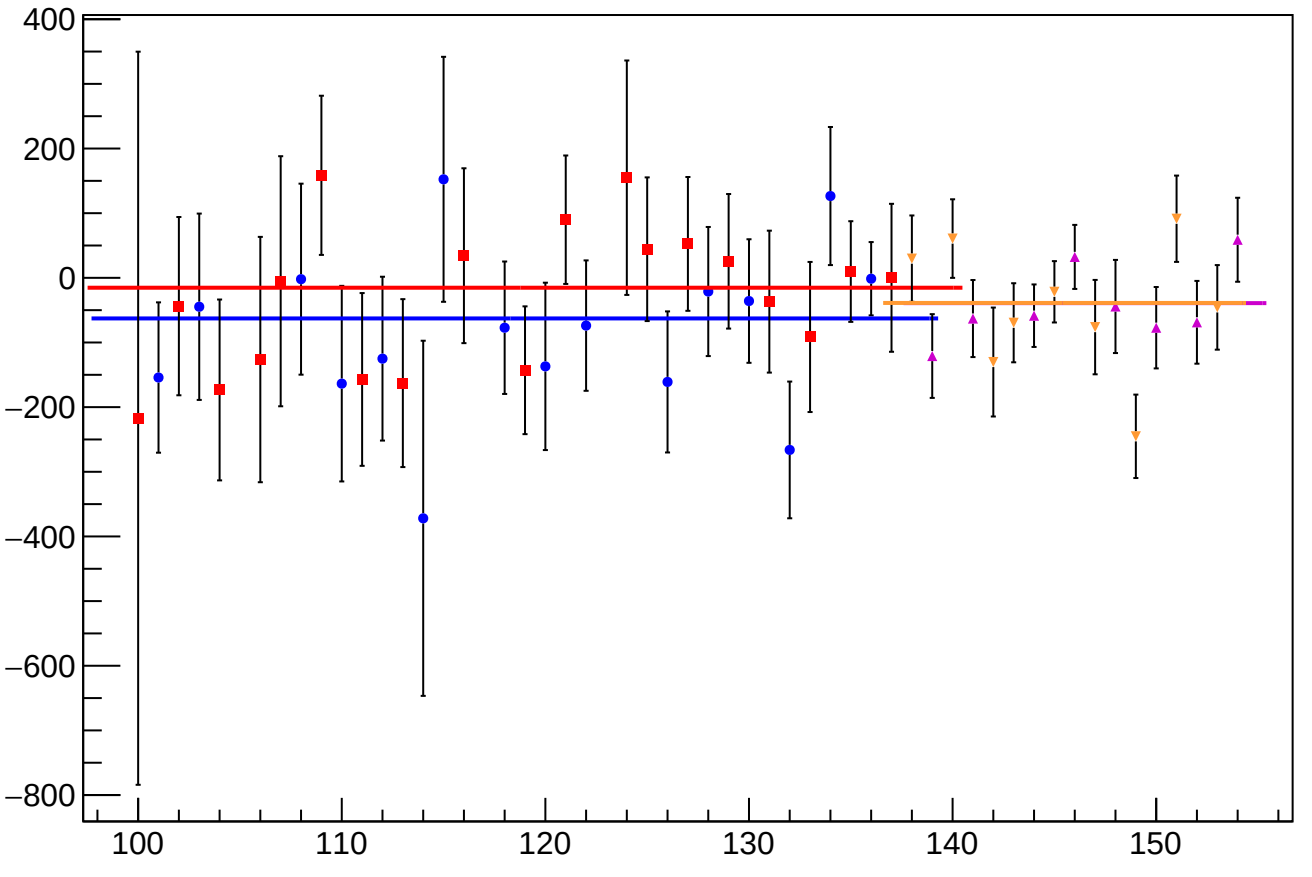
Left: 0.000+/-0.000 χ^2/NDF: 1185103.8/16

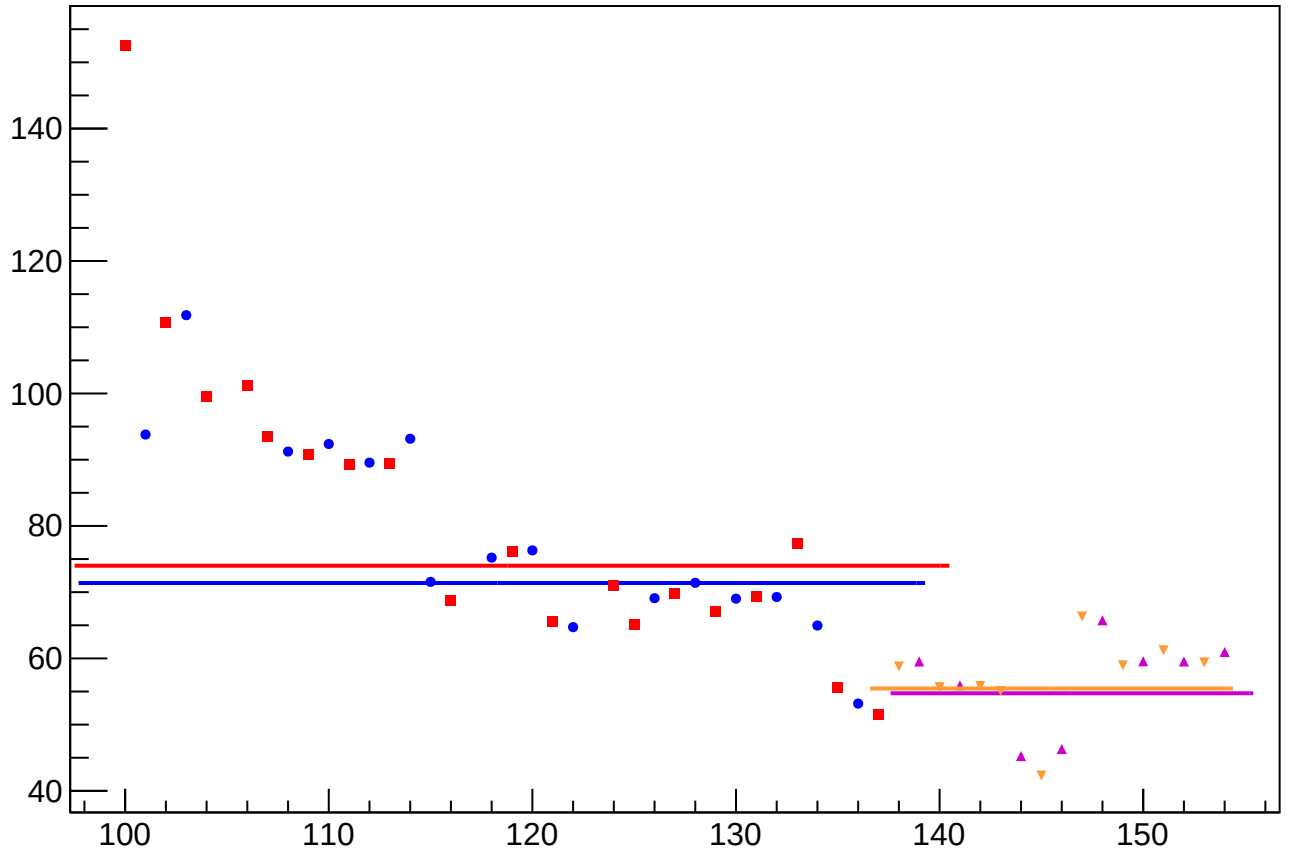
Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3092399.4/23

Out: 0.000+/-0.000 χ^2/NDF:3576059.2/27

All: 0.000+/-0.000 χ^2/NDF: 6783533.8/51


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: -62.798+/-27.213 χ²/NDF: 13.5/15
Left Out: -38.845+/-21.158 χ²/NDF:19.6/8
Right Out: -15.288+/-27.770 χ²/NDF: 11.5/18
Left In: -39.119+/-20.935 χ²/NDF:6.9/7
Left: -38.983+/-14.882 χ²/NDF: 26.5/16
Right: -39.524+/-19.436 χ²/NDF: 26.4/34
In: -47.922+/-16.593 χ²/NDF:20.8/23
Out: -30.193+/-16.830 χ²/NDF:31.5/27
All: -39.183+/-11.816 χ²/NDF: 52.9/51



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: 54.735+/-0.015 χ^2/NDF:234582.9/7

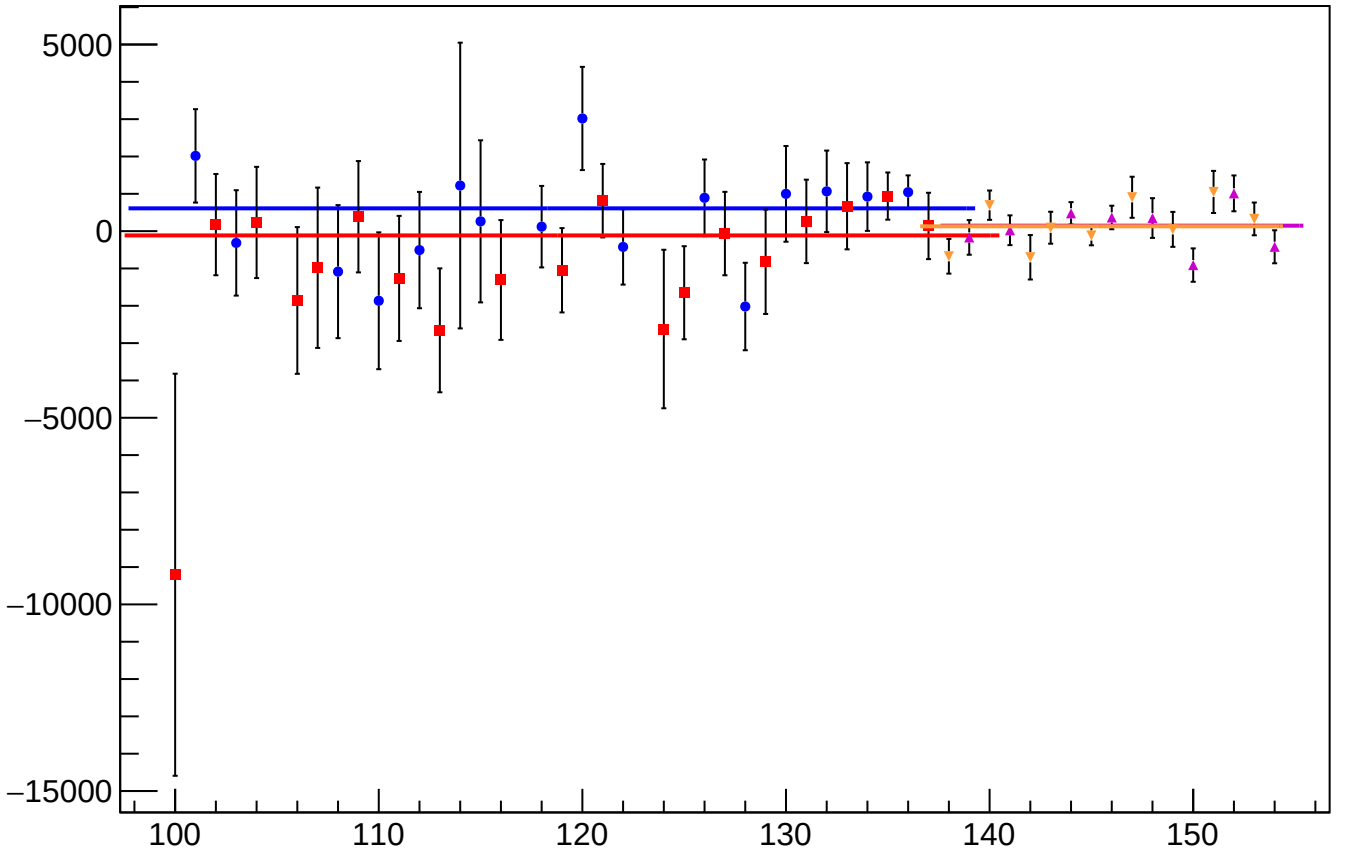
Left: 55.091+/-0.011 χ^2/NDF: 466785.5/16

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.925+/-0.012 χ^2/NDF:1295742.6/23

Out: 62.264+/-0.012 χ^2/NDF:1433414.0/27

All: 61.585+/-0.008 χ^2/NDF: 2735582.8/51



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: 146.507+/-141.234 χ^2/NDF:12.9/7

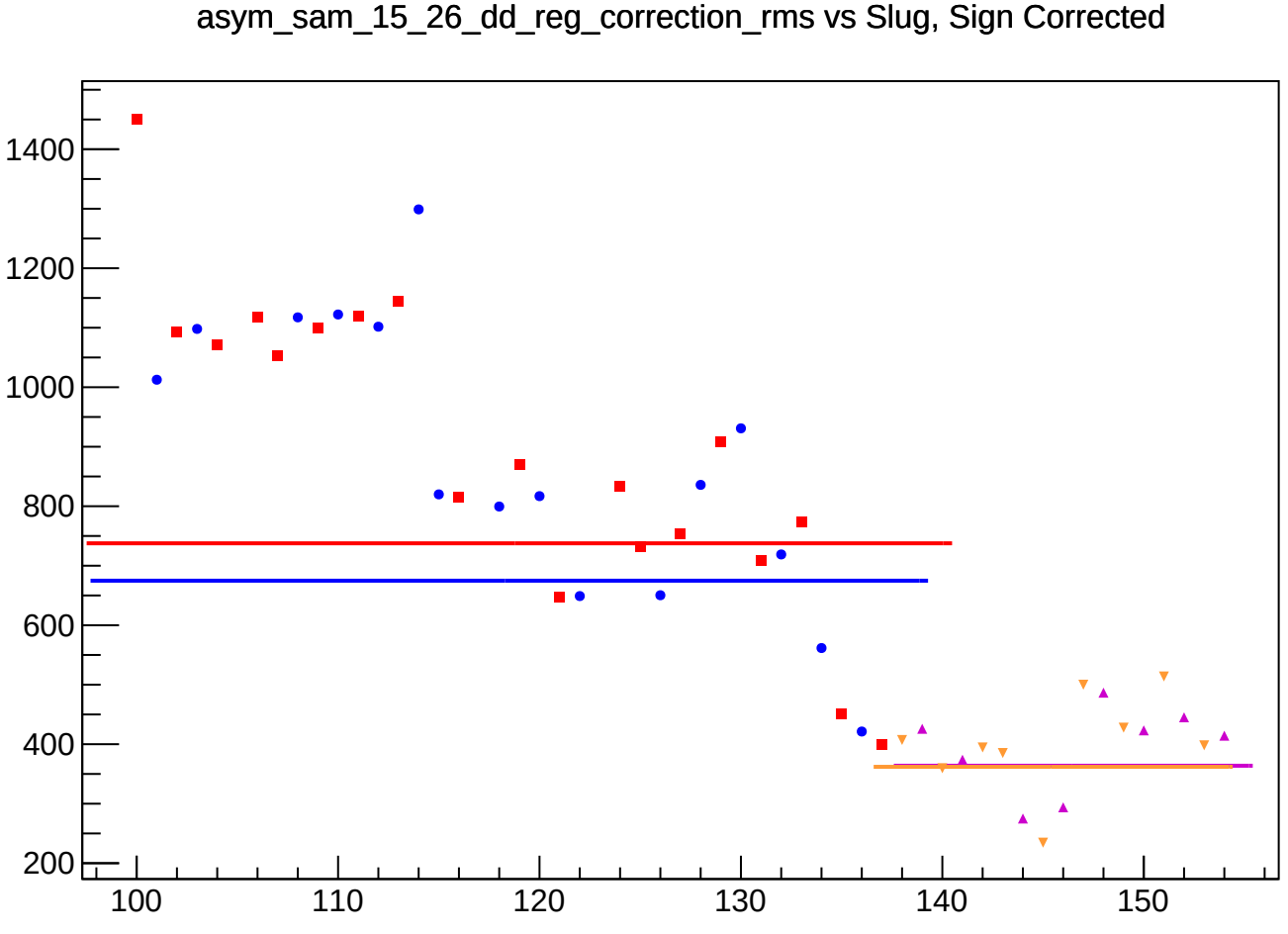
Left: 137.945+/-99.955 χ^2/NDF: 25.6/16

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 248.081+/-124.824 χ^2/NDF:30.9/23

Out: 80.925+/-126.666 χ^2/NDF:28.9/27

All: 165.728+/-88.908 χ^2/NDF: 60.7/51



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: 363.825+/-0.100 χ^2/NDF:536345.1/7

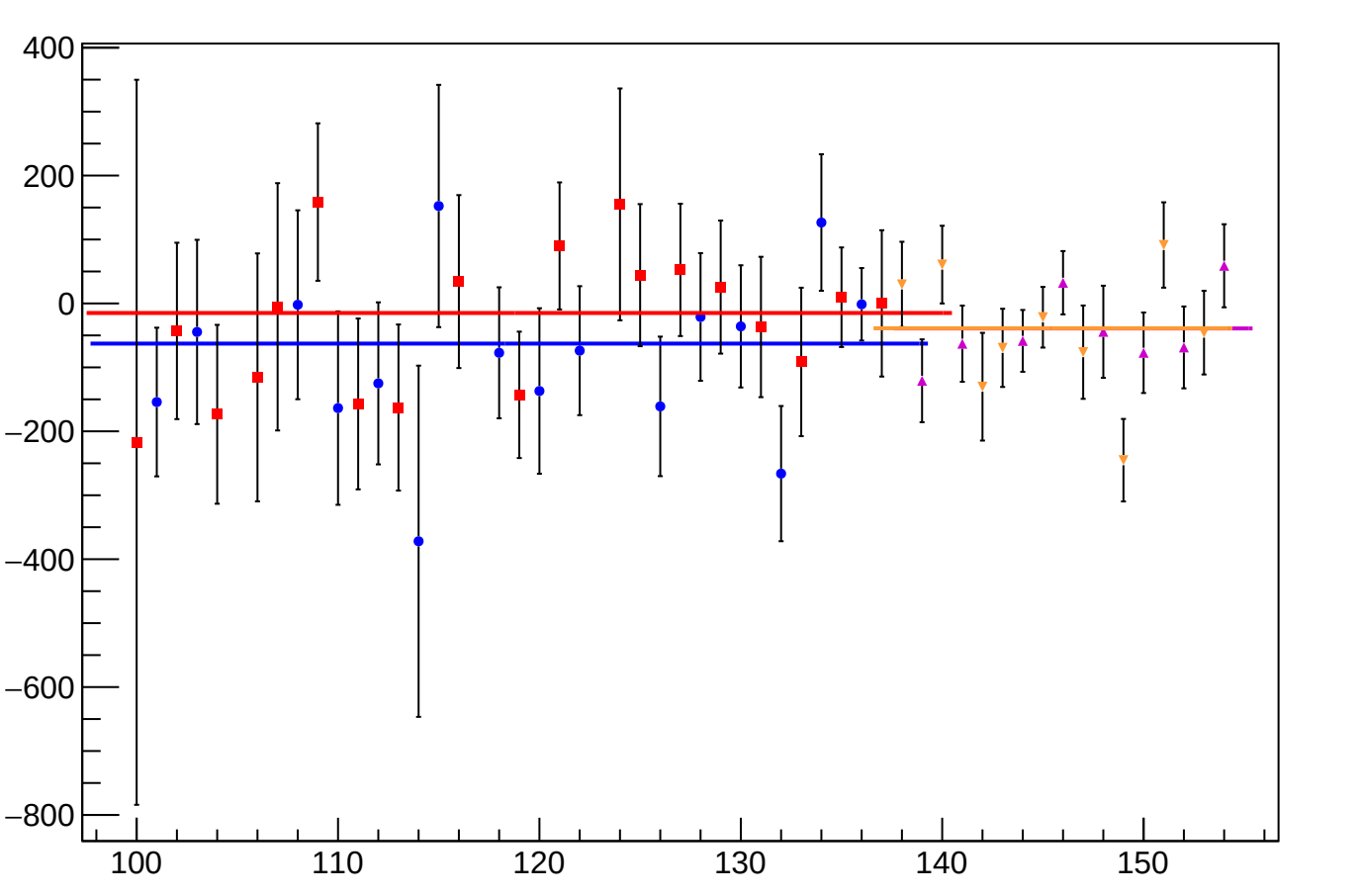
Left: 362.893+/-0.071 χ^2/NDF: 1358580.9/16

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 431.899+/-0.088 χ^2/NDF:4276713.9/23

Out: 436.533+/-0.090 χ^2/NDF:5138243.7/27

All: 434.182+/-0.063 χ^2/NDF: 9416315.4/51



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: -39.119+/-20.935 χ^2/NDF:6.9/7

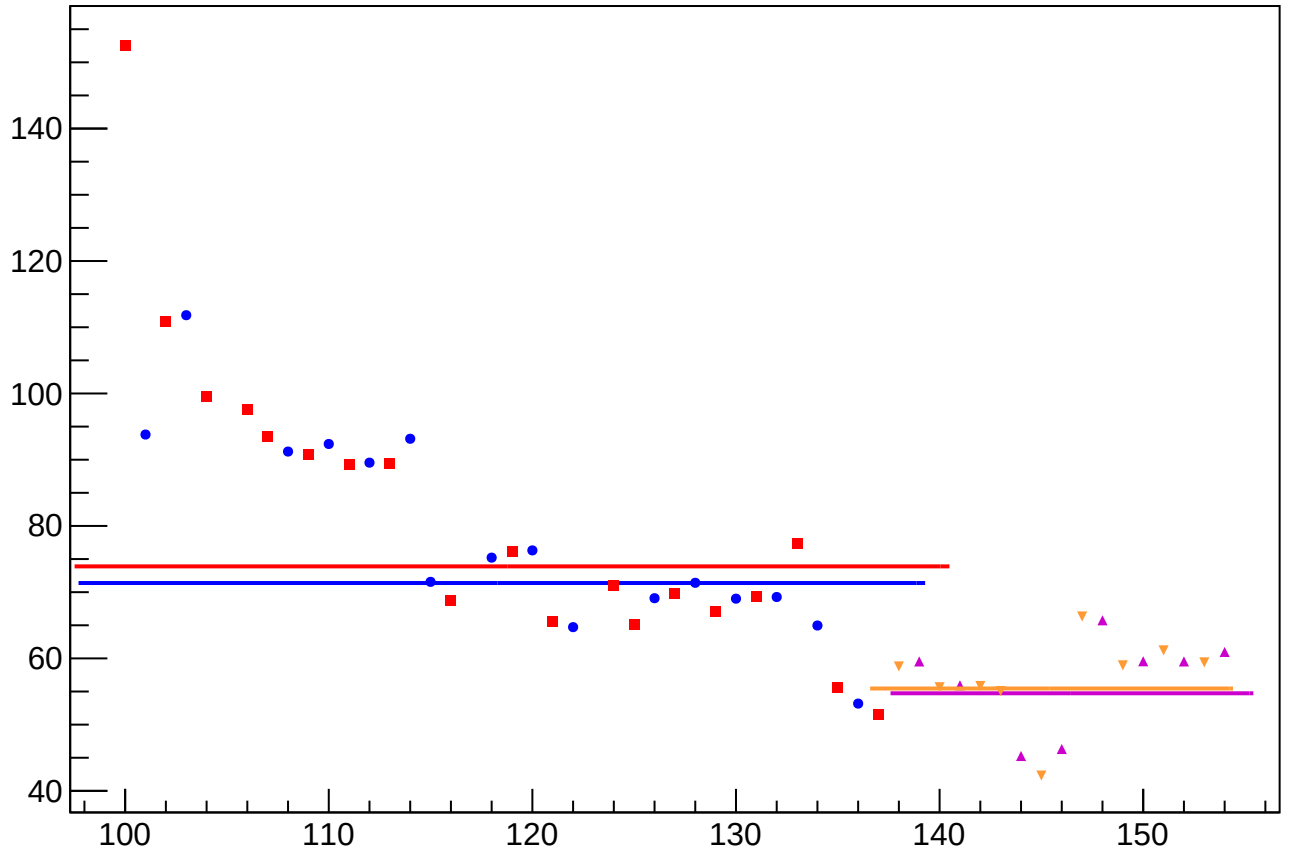
Left: -38.984+/-14.882 χ^2/NDF: 26.5/16

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -47.920+/-16.593 χ^2/NDF:20.8/23

Out: -30.068+/-16.833 χ^2/NDF:31.5/27

All: -39.122+/-11.817 χ^2/NDF: 52.9/51



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: 54.735+/-0.015 χ^2/NDF:234582.9/7

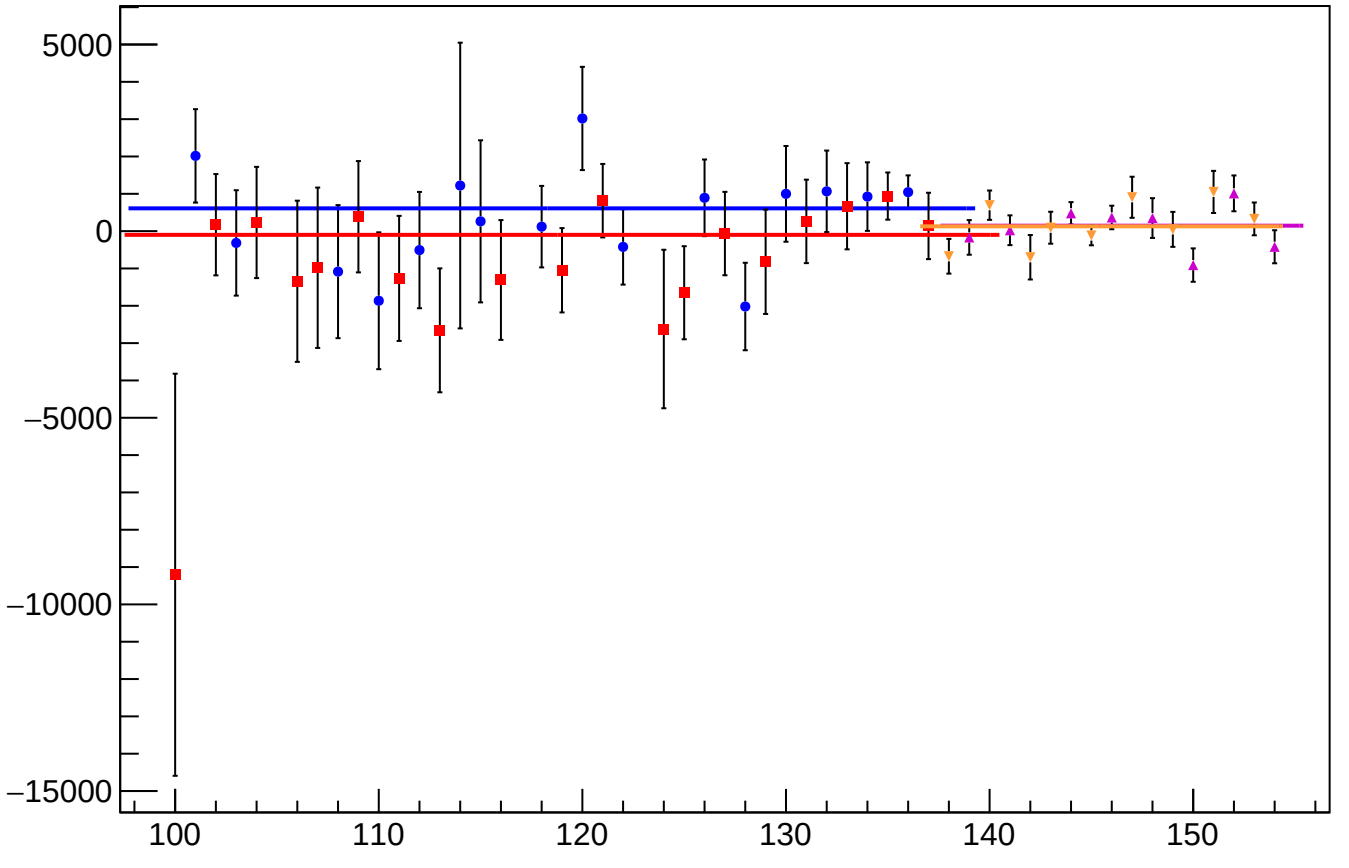
Left: 55.091+/-0.011 χ^2/NDF: 466785.6/16

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.925+/-0.012 χ^2/NDF:1295745.3/23

Out: 62.223+/-0.012 χ^2/NDF:1415594.0/27

All: 61.565+/-0.008 χ^2/NDF: 2717379.6/51



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: 146.506+/-141.234 χ^2/NDF:12.9/7

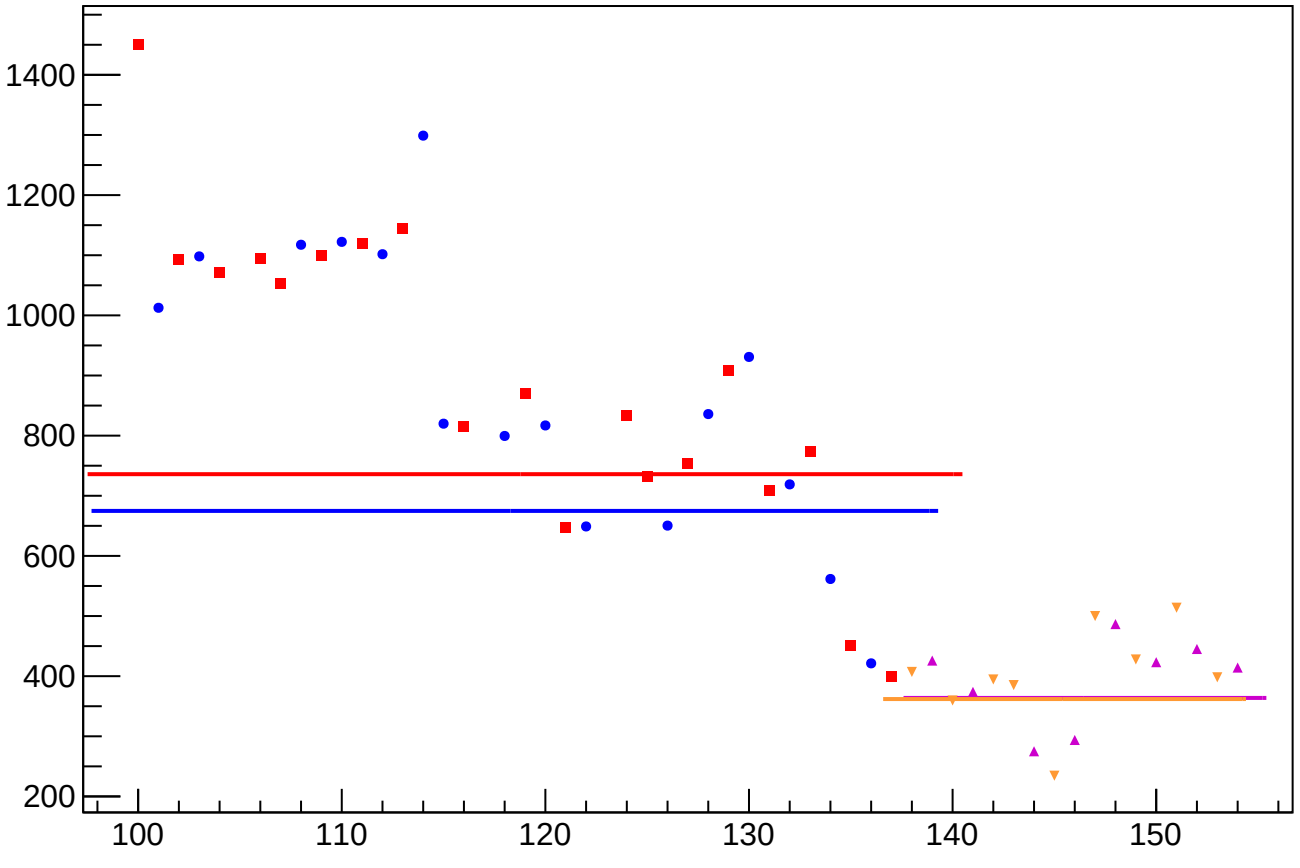
Left: 137.944+/-99.955 χ^2/NDF: 25.6/16

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 248.077+/-124.824 χ^2/NDF:30.9/23

Out: 84.049+/-126.712 χ^2/NDF:28.4/27

All: 167.294+/-88.924 χ^2/NDF: 60.2/51



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: 363.825+/-0.100 χ^2/NDF:536345.4/7

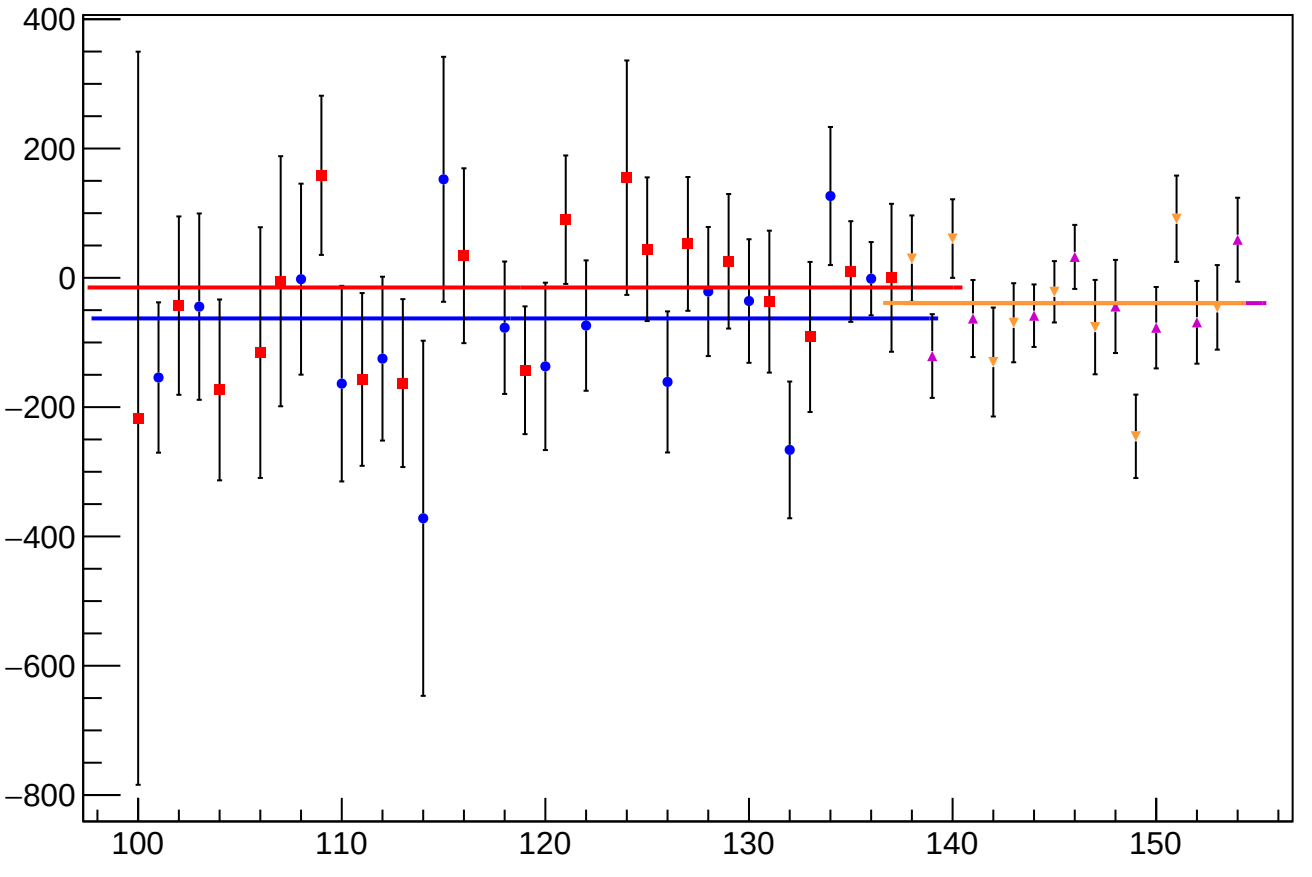
Left: 362.893+/-0.071 χ^2/NDF: 1358587.2/16

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 431.899+/-0.088 χ^2/NDF:4276738.2/23

Out: 435.967+/-0.090 χ^2/NDF:5084293.9/27

All: 433.903+/-0.063 χ^2/NDF: 9362078.5/51



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: -39.119+/-20.935 χ^2/NDF:6.9/7

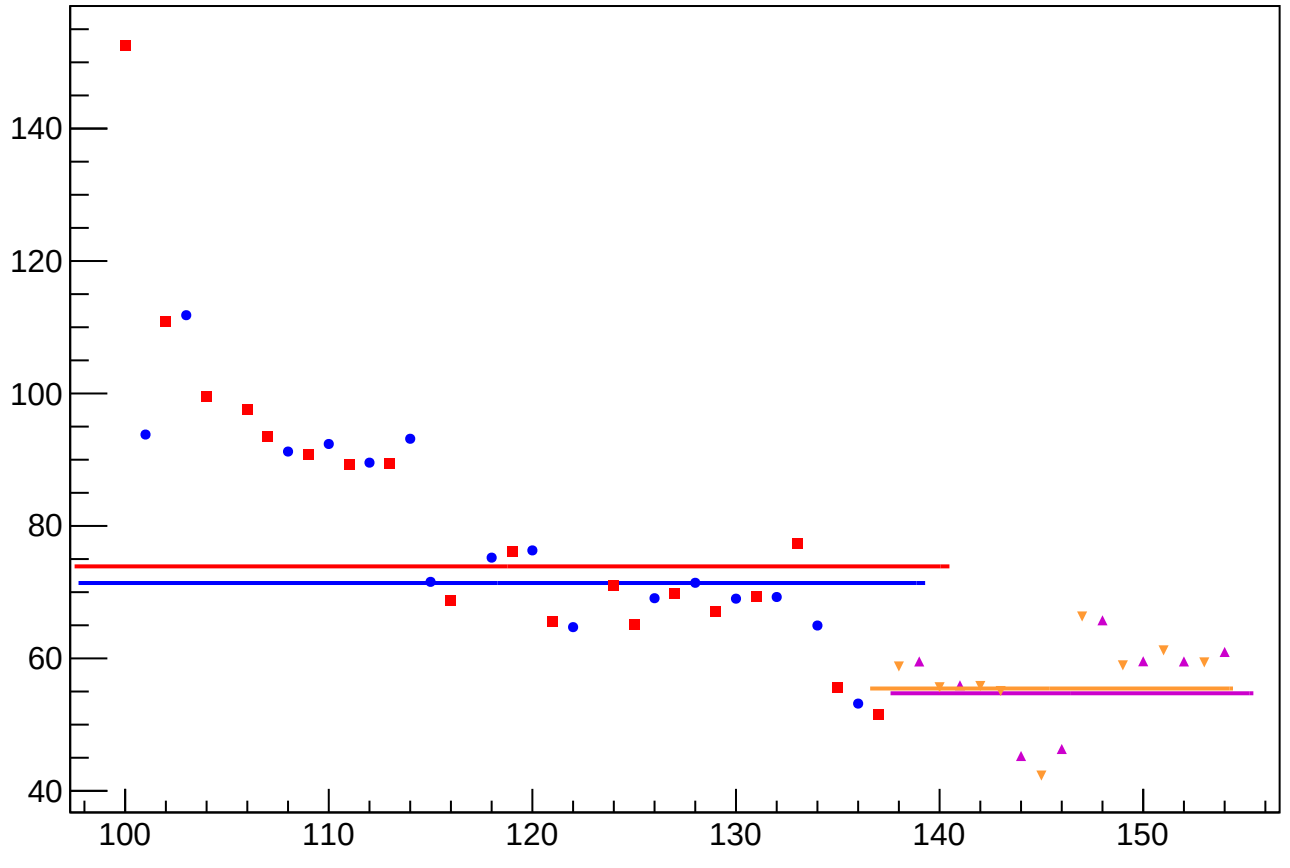
Left: -38.984+/-14.882 χ^2/NDF: 26.5/16

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -47.920+/-16.593 χ^2/NDF:20.8/23

Out: -30.068+/-16.833 χ^2/NDF:31.5/27

All: -39.122+/-11.817 χ^2/NDF: 52.9/51



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: 54.735+/-0.015 χ^2/NDF:234582.9/7

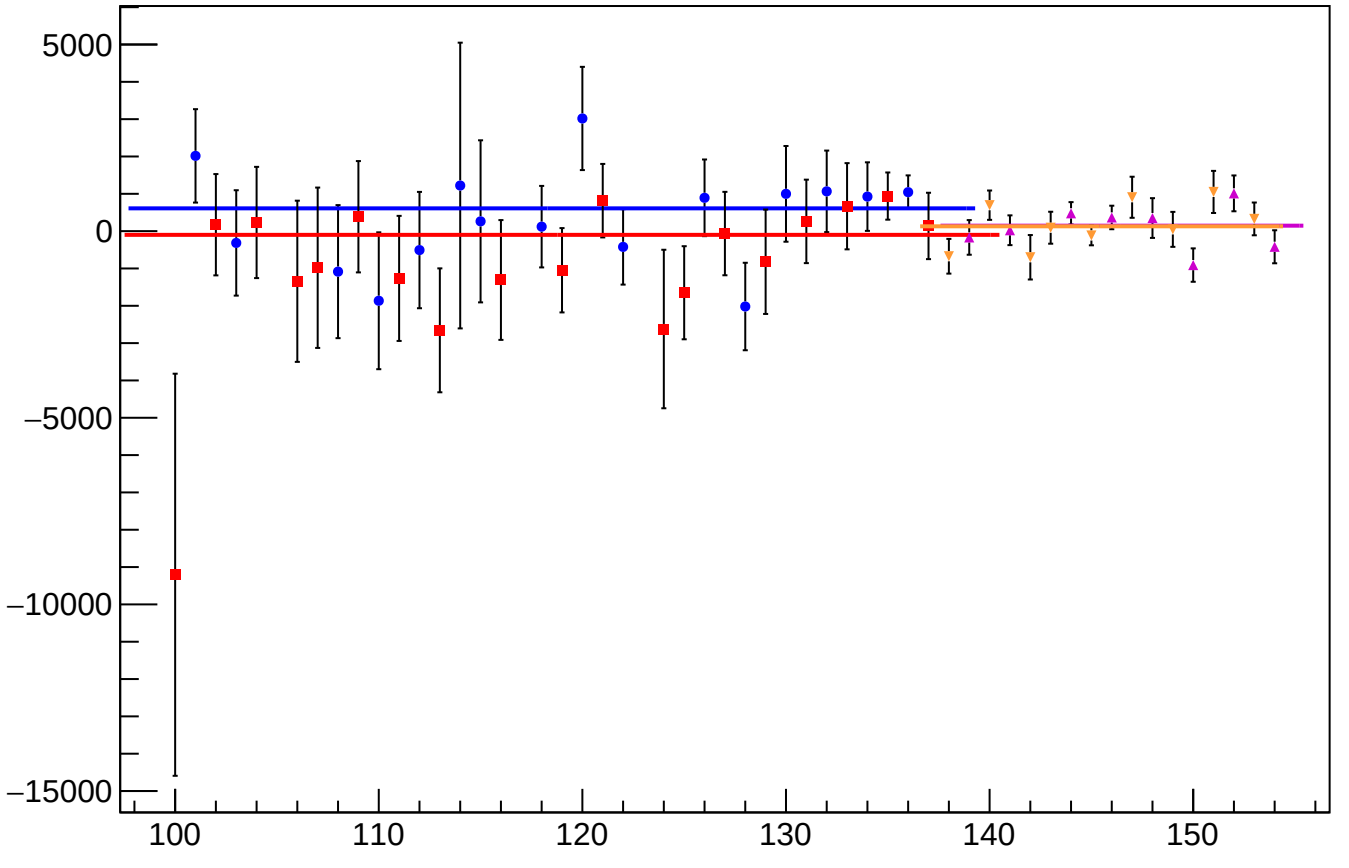
Left: 55.091+/-0.011 χ^2/NDF: 466785.6/16

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.925+/-0.012 χ^2/NDF:1295745.3/23

Out: 62.223+/-0.012 χ^2/NDF:1415594.0/27

All: 61.565+/-0.008 χ^2/NDF: 2717379.6/51



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: 146.506+/-141.234 χ^2/NDF:12.9/7

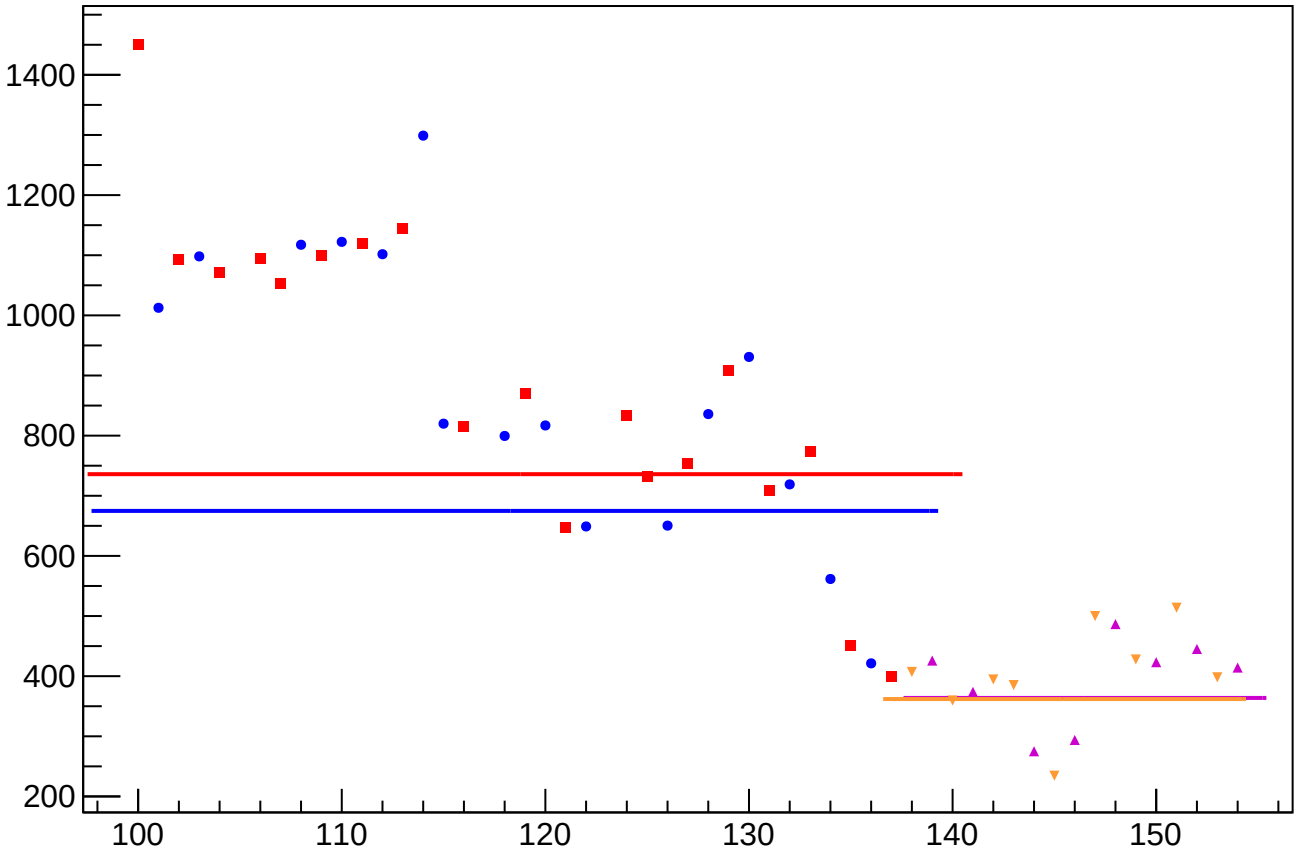
Left: 137.944+/-99.955 χ^2/NDF: 25.6/16

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 248.077+/-124.824 χ^2/NDF:30.9/23

Out: 84.049+/-126.712 χ^2/NDF:28.4/27

All: 167.294+/-88.924 χ^2/NDF: 60.2/51



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: 363.825+/-0.100 χ^2/NDF:536345.4/7

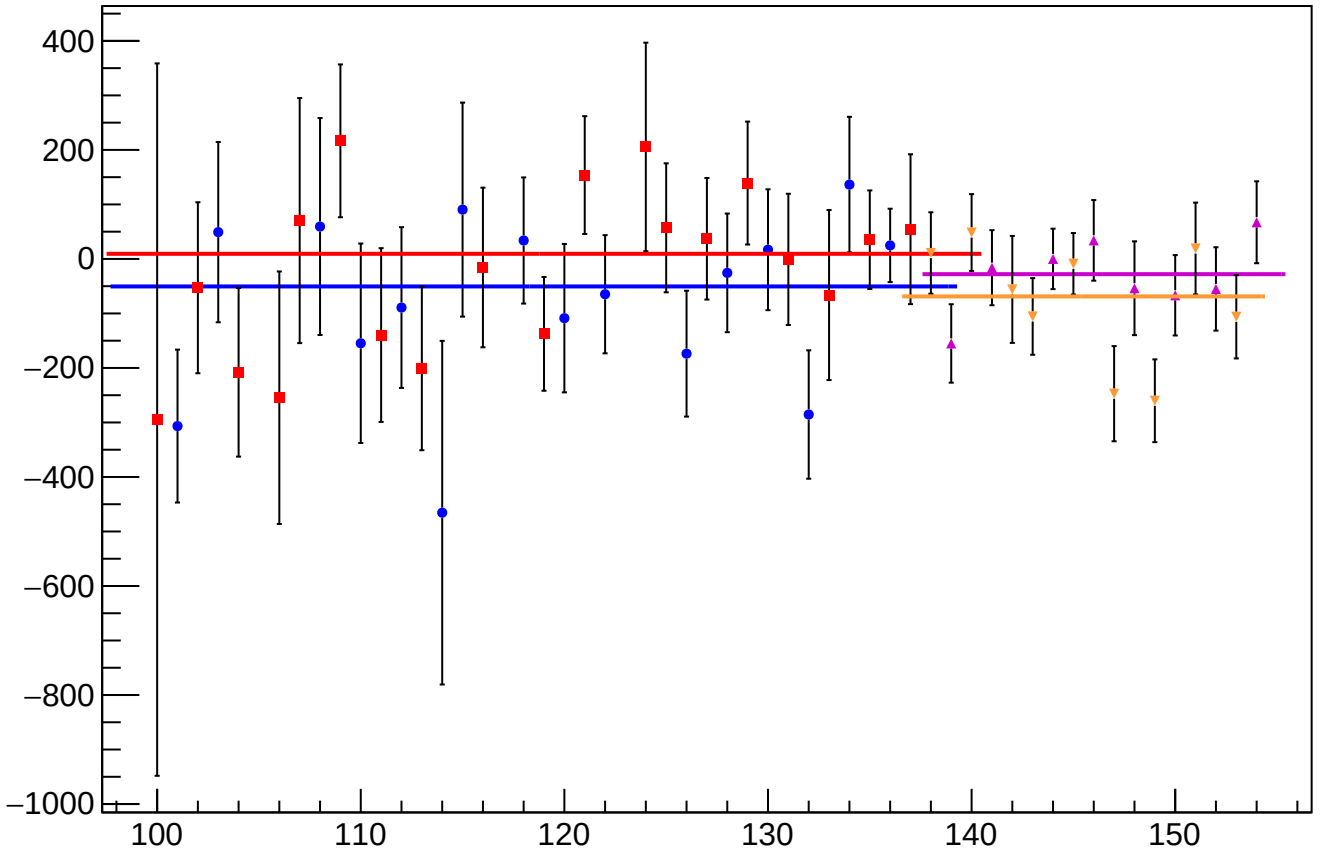
Left: 362.893+/-0.071 χ^2/NDF: 1358587.2/16

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 431.899+/-0.088 χ^2/NDF:4276738.2/23

Out: 435.967+/-0.090 χ^2/NDF:5084293.9/27

All: 433.903+/-0.063 χ^2/NDF: 9362078.5/51



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: -27.945+/-25.162 χ^2/NDF:6.2/7

Left: -48.599+/-17.683 χ^2/NDF: 24.7/16

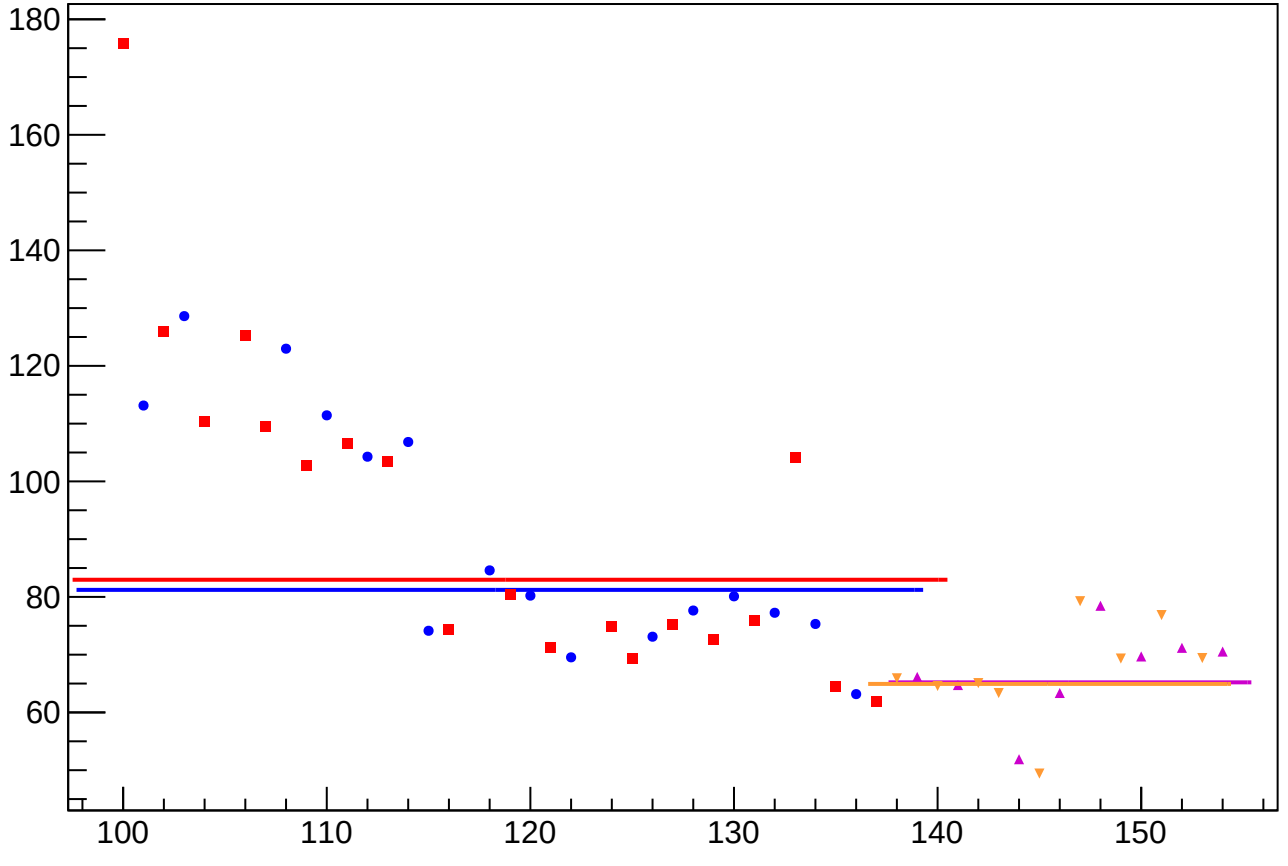
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -36.868+/-19.552 χ^2/NDF:22.9/23

Out: -38.459+/-19.449 χ^2/NDF:36.6/27

All: -37.667+/-13.789 χ^2/NDF: 59.5/51

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.936+/-0.018 χ^2/NDF:260609.6/8

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 65.207+/-0.018 χ^2/NDF:194108.4/7

Left: 65.070+/-0.013 χ^2/NDF: 454835.8/16

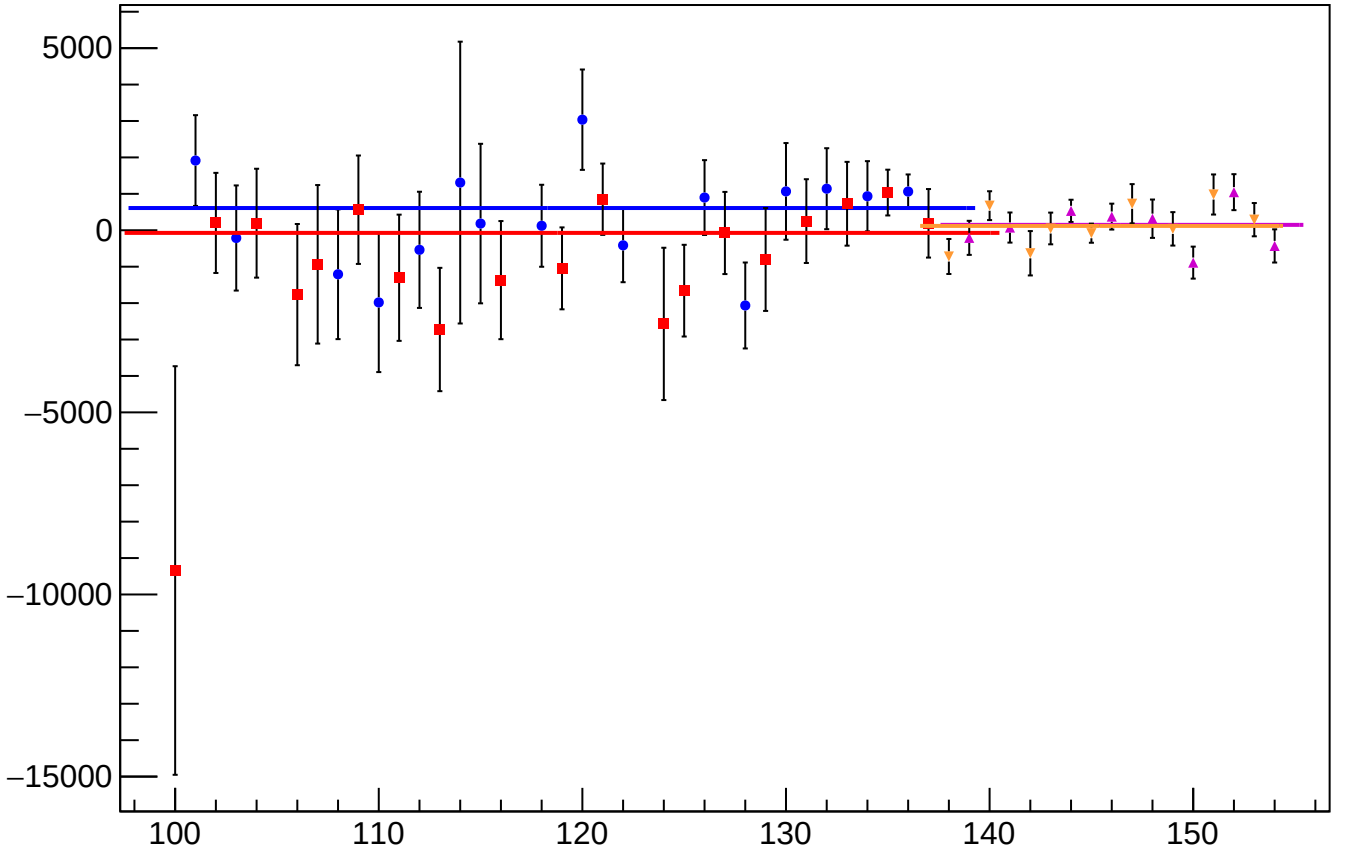
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.551+/-0.014 χ^2/NDF:1177823.2/23

Out: 71.929+/-0.014 χ^2/NDF:1399239.5/27

All: 71.741+/-0.010 χ^2/NDF: 2577437.8/51

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



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: 148.011+/-146.206 χ^2/NDF:13.2/7

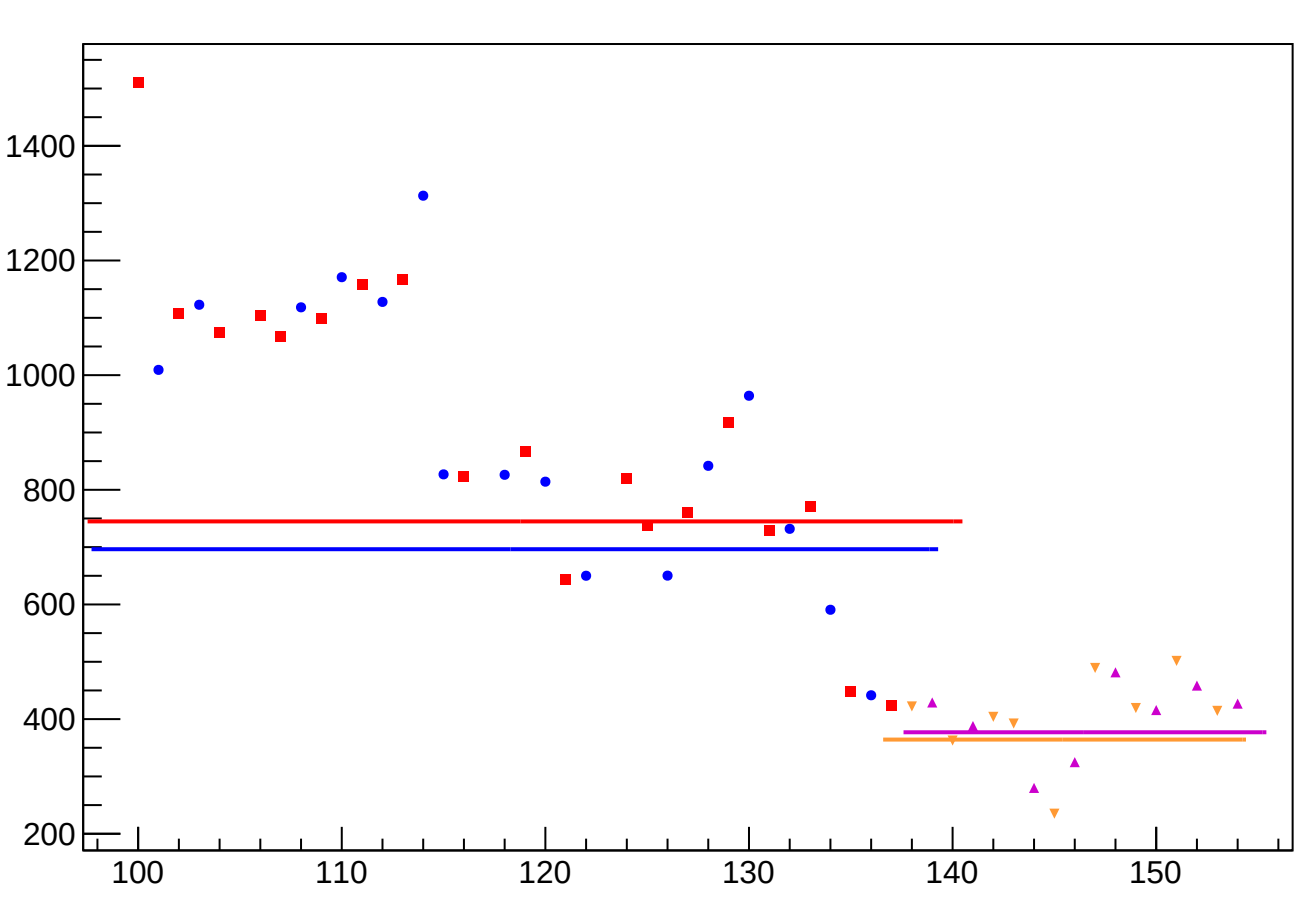
Left: 133.204+/-101.912 χ^2/NDF: 24.3/16

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 250.494+/-128.989 χ^2/NDF:31.2/23

Out: 81.454+/-127.353 χ^2/NDF:27.6/27

All: 164.895+/-90.625 χ^2/NDF: 59.7/51



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: 377.045+/-0.103 χ^2/NDF:444298.5/7

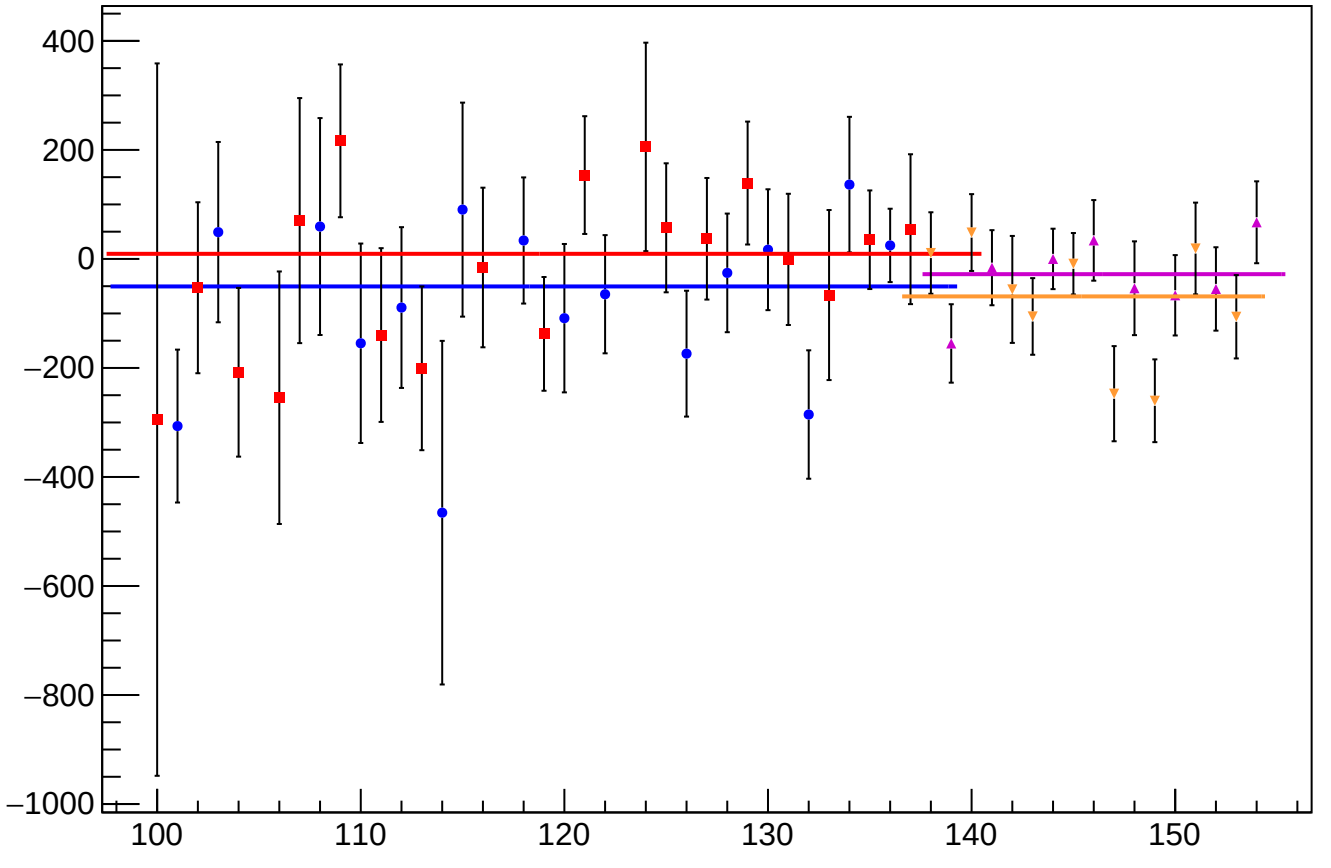
Left: 370.495+/-0.072 χ^2/NDF: 1268512.0/16

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 447.823+/-0.091 χ^2/NDF:4074385.7/23

Out: 439.329+/-0.090 χ^2/NDF:5141551.3/27

All: 443.522+/-0.064 χ^2/NDF: 9220328.8/51



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: -27.944+/-25.162 χ^2/NDF:6.2/7

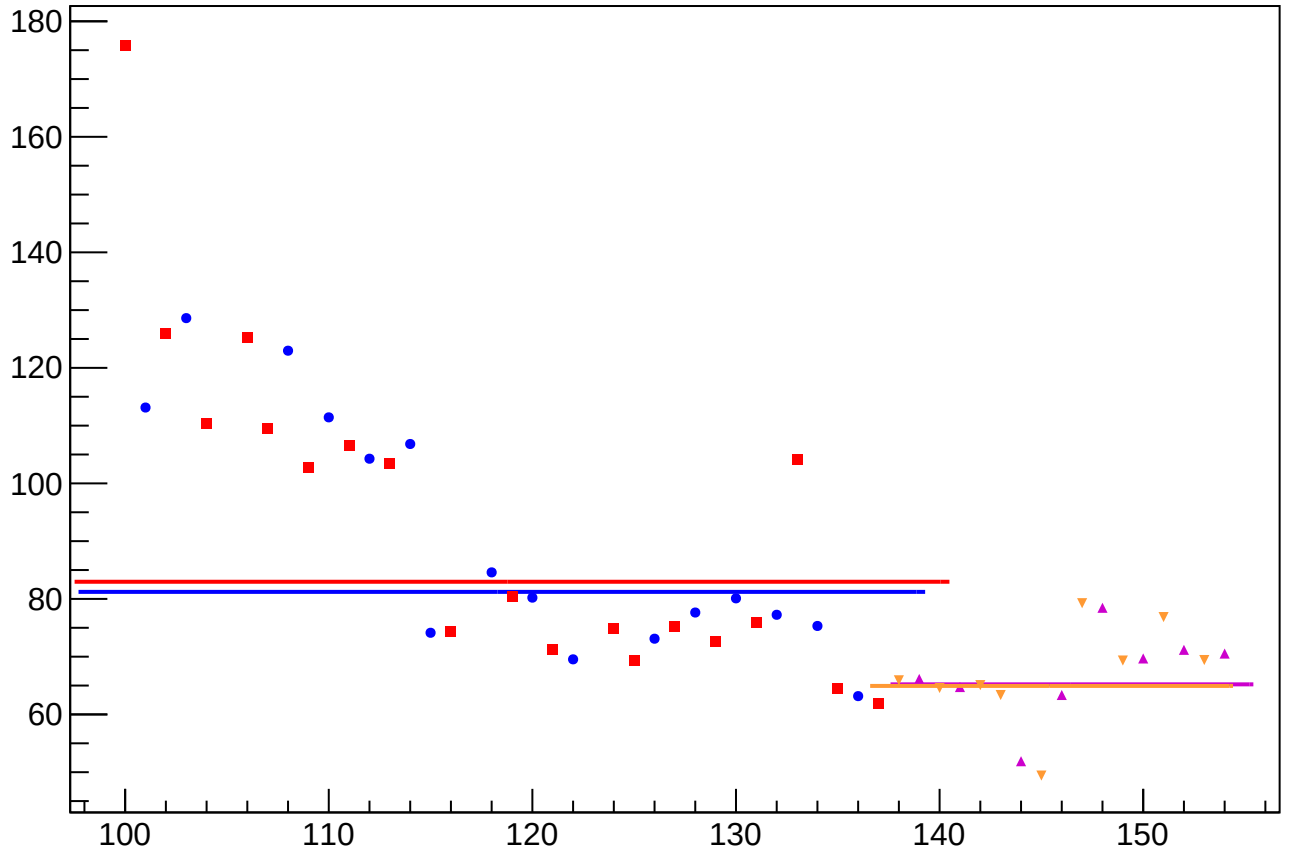
Left: -48.598+/-17.683 χ^2/NDF: 24.7/16

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -36.868+/-19.552 χ^2/NDF:22.9/23

Out: -38.458+/-19.449 χ^2/NDF:36.6/27

All: -37.667+/-13.789 χ^2/NDF: 59.5/51



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: 65.208+/-0.018 χ^2/NDF:194107.5/7

Left: 65.070+/-0.013 χ^2/NDF: 454830.5/16

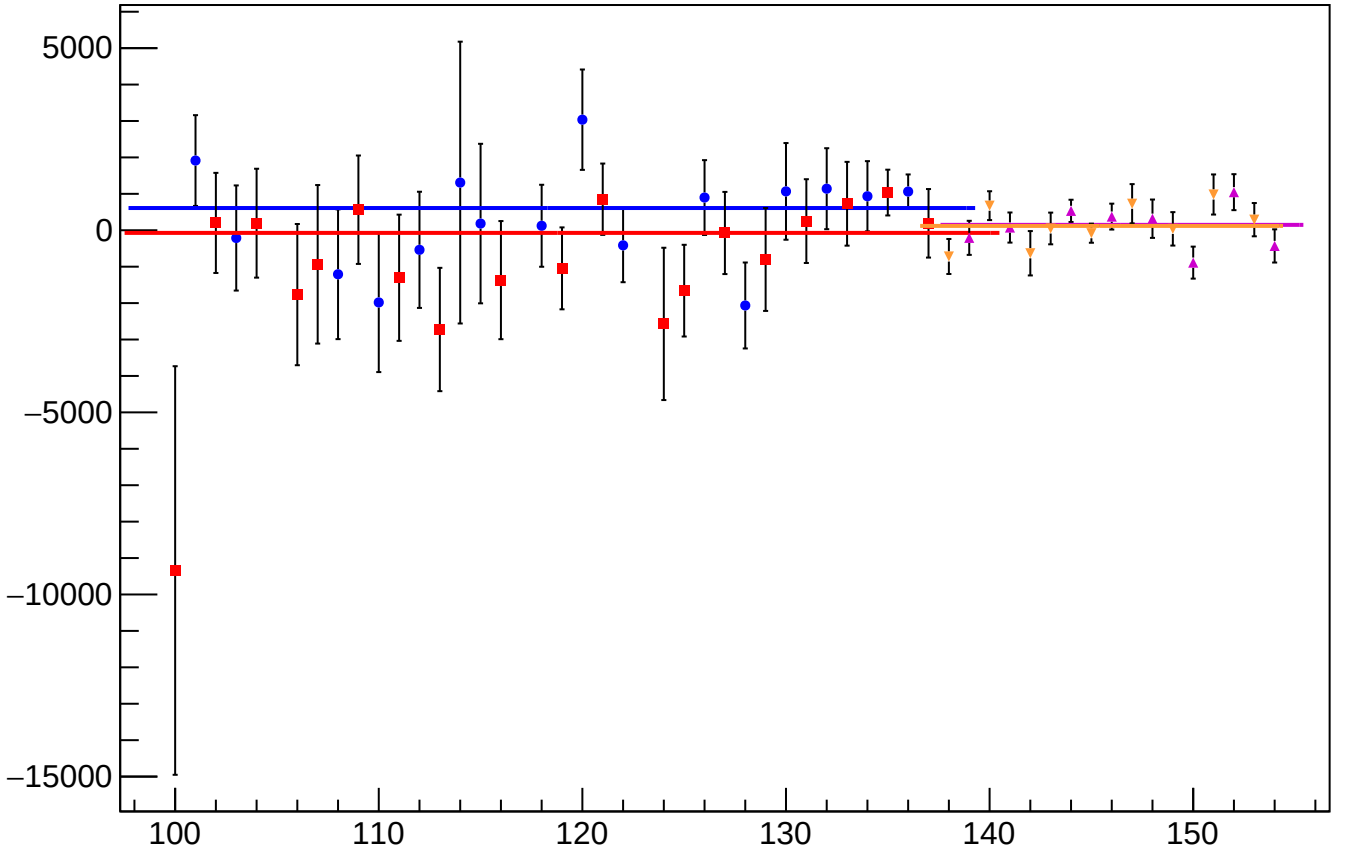
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.551+/-0.014 χ^2/NDF:1177784.1/23

Out: 71.929+/-0.014 χ^2/NDF:1399202.3/27

All: 71.741+/-0.010 χ^2/NDF: 2577361.6/51

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: 148.011+/-146.206 χ^2/NDF:13.2/7

Left: 133.204+/-101.912 χ^2/NDF: 24.3/16

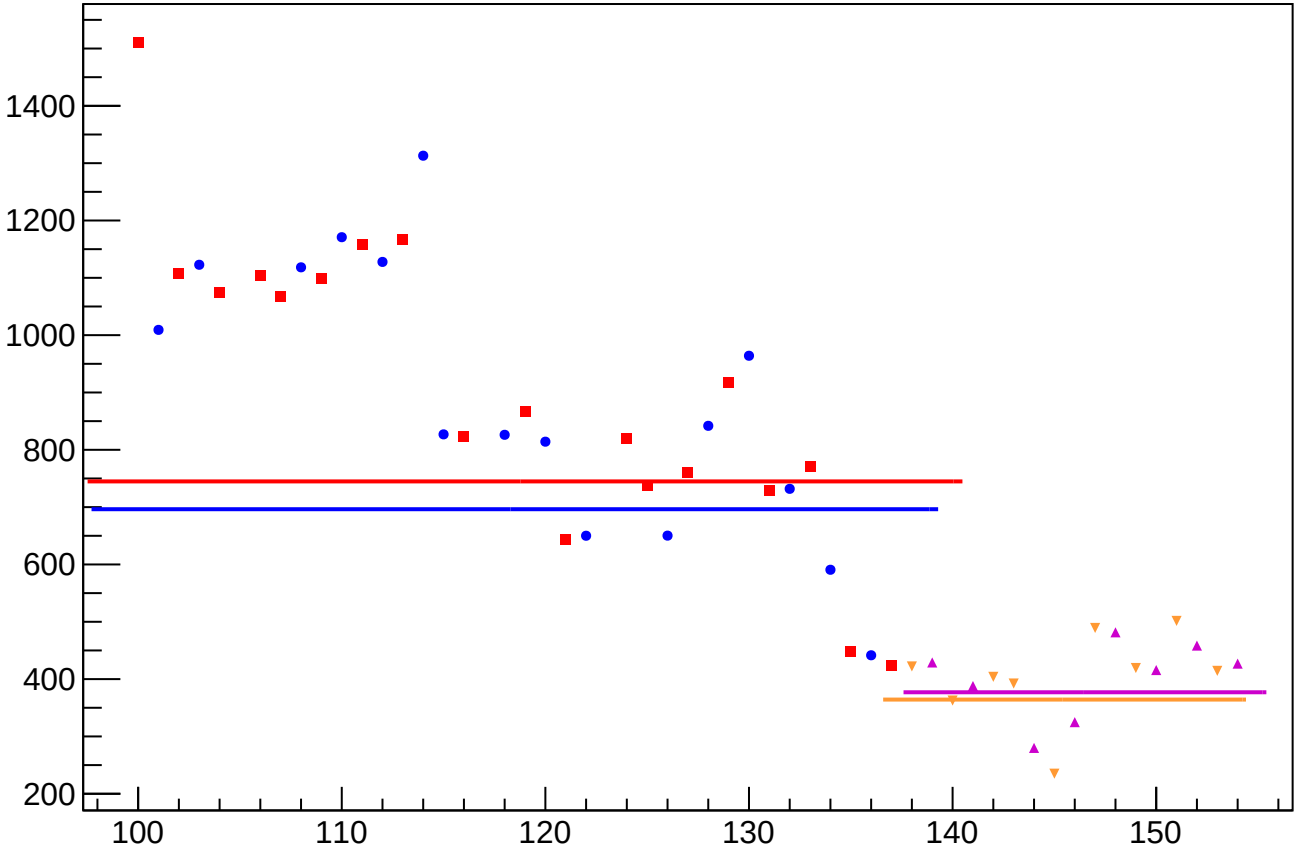
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 250.495+/-128.989 χ^2/NDF:31.2/23

Out: 81.453+/-127.353 χ^2/NDF:27.6/27

All: 164.895+/-90.625 χ^2/NDF: 59.7/51

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 364.303+/-0.101 χ^2/NDF:816420.8/8

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 377.046+/-0.103 χ^2/NDF:444304.9/7

Left: 370.494+/-0.072 χ^2/NDF: 1268535.7/16

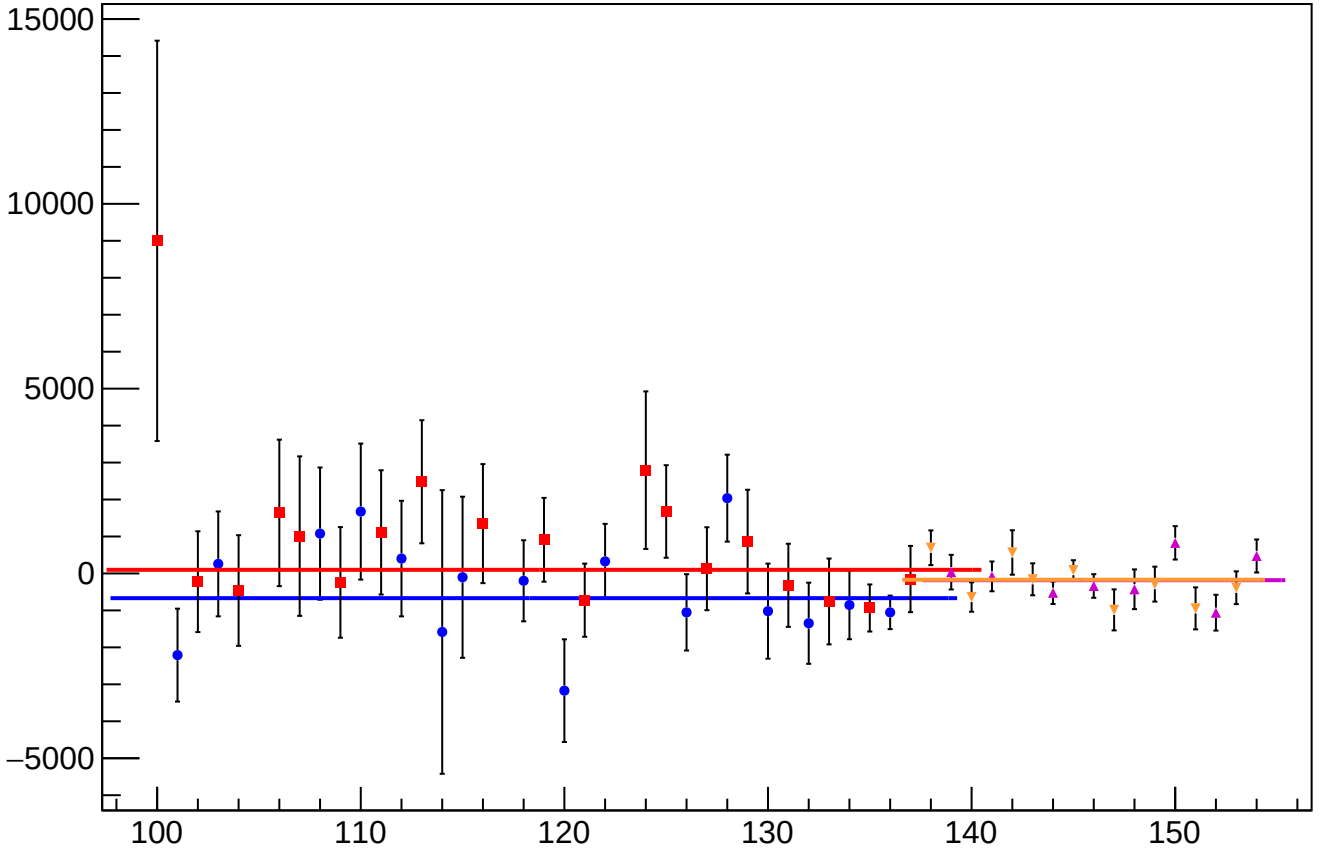
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 447.823+/-0.091 χ^2/NDF:4074368.1/23

Out: 439.329+/-0.090 χ^2/NDF:5141551.9/27

All: 443.522+/-0.064 χ^2/NDF: 9220312.1/51

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: -182.313+/-142.876 χ^2/NDF:12.4/7

Left: -176.198+/-101.135 χ^2/NDF: 24.0/16

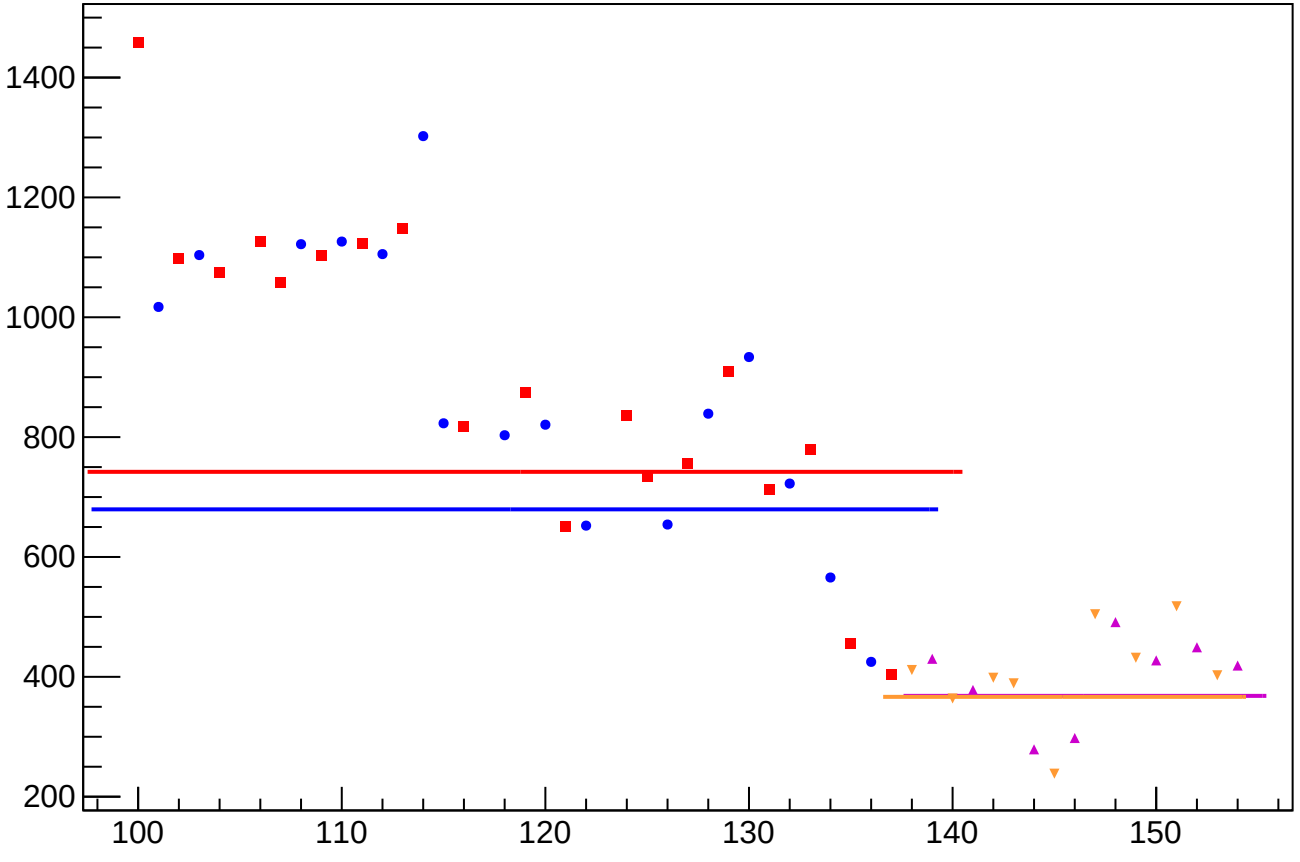
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -289.631+/-126.125 χ^2/NDF:31.1/23

Out: -116.302+/-128.021 χ^2/NDF:27.1/27

All: -204.260+/-89.847 χ^2/NDF: 59.1/51

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: 368.243+/-0.101 χ^2/NDF:526564.5/7

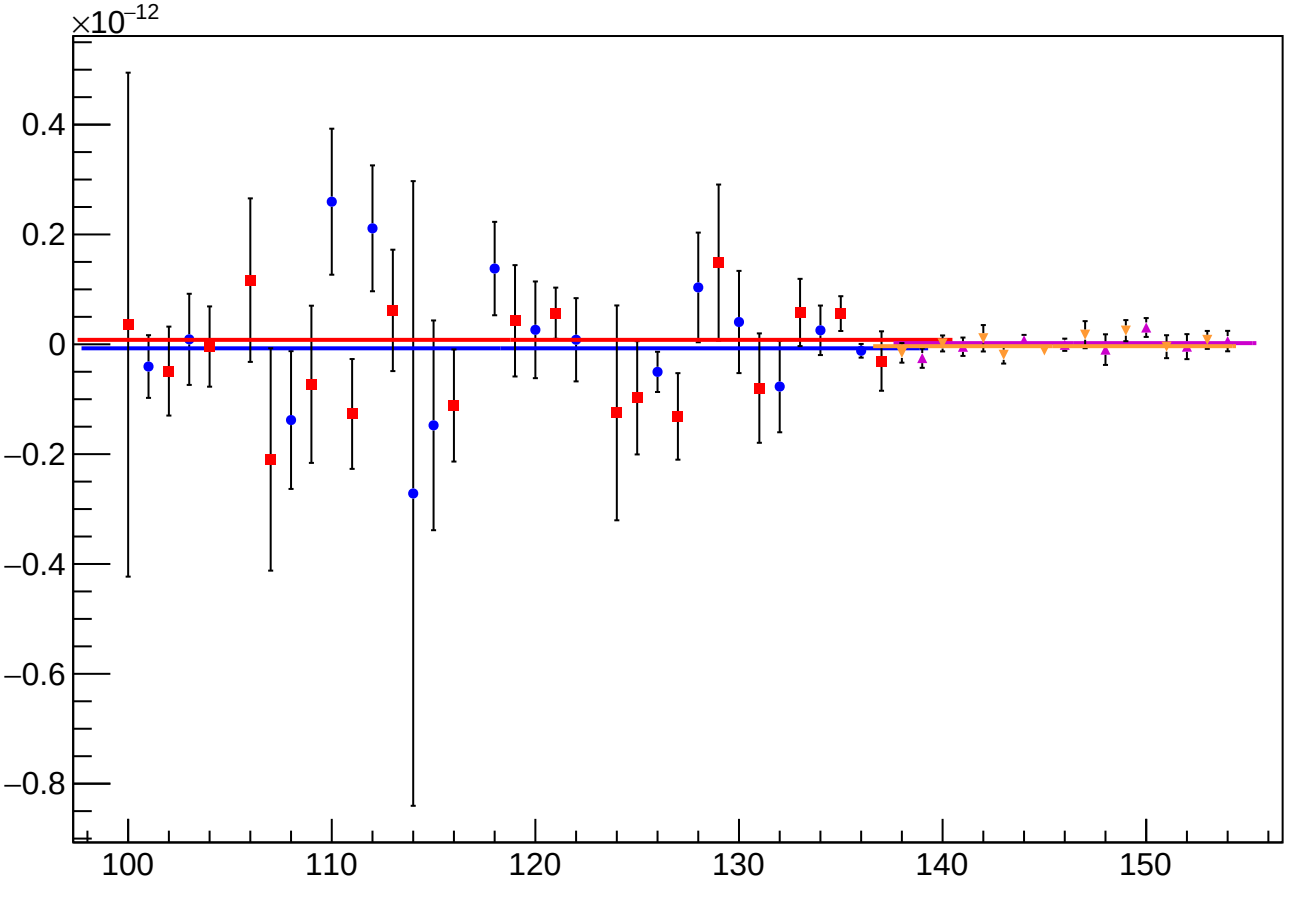
Left: 367.420+/-0.072 χ^2/NDF: 1329728.6/16

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 436.941+/-0.089 χ^2/NDF:4222239.6/23

Out: 441.891+/-0.091 χ^2/NDF:5065773.7/27

All: 439.379+/-0.064 χ^2/NDF: 9289530.6/51



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:5.9/7

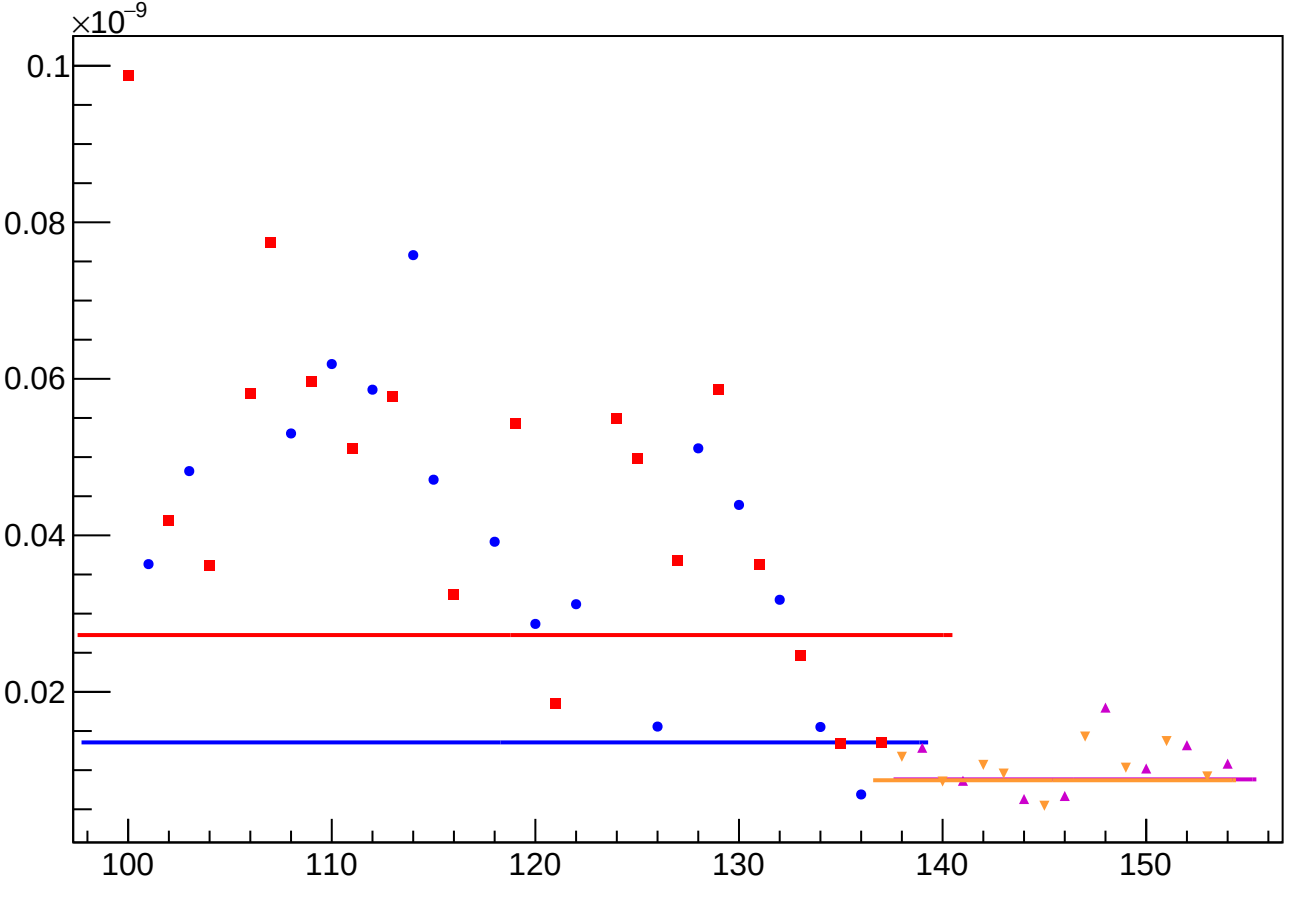
Left: -0.000+/-0.000 χ^2/NDF: 12.5/16

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: 0.000+/-0.000 χ^2/NDF:23.7/23

Out: -0.000+/-0.000 χ^2/NDF:23.5/27

All: -0.000+/-0.000 χ^2/NDF: 47.3/51



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:631408.1/7

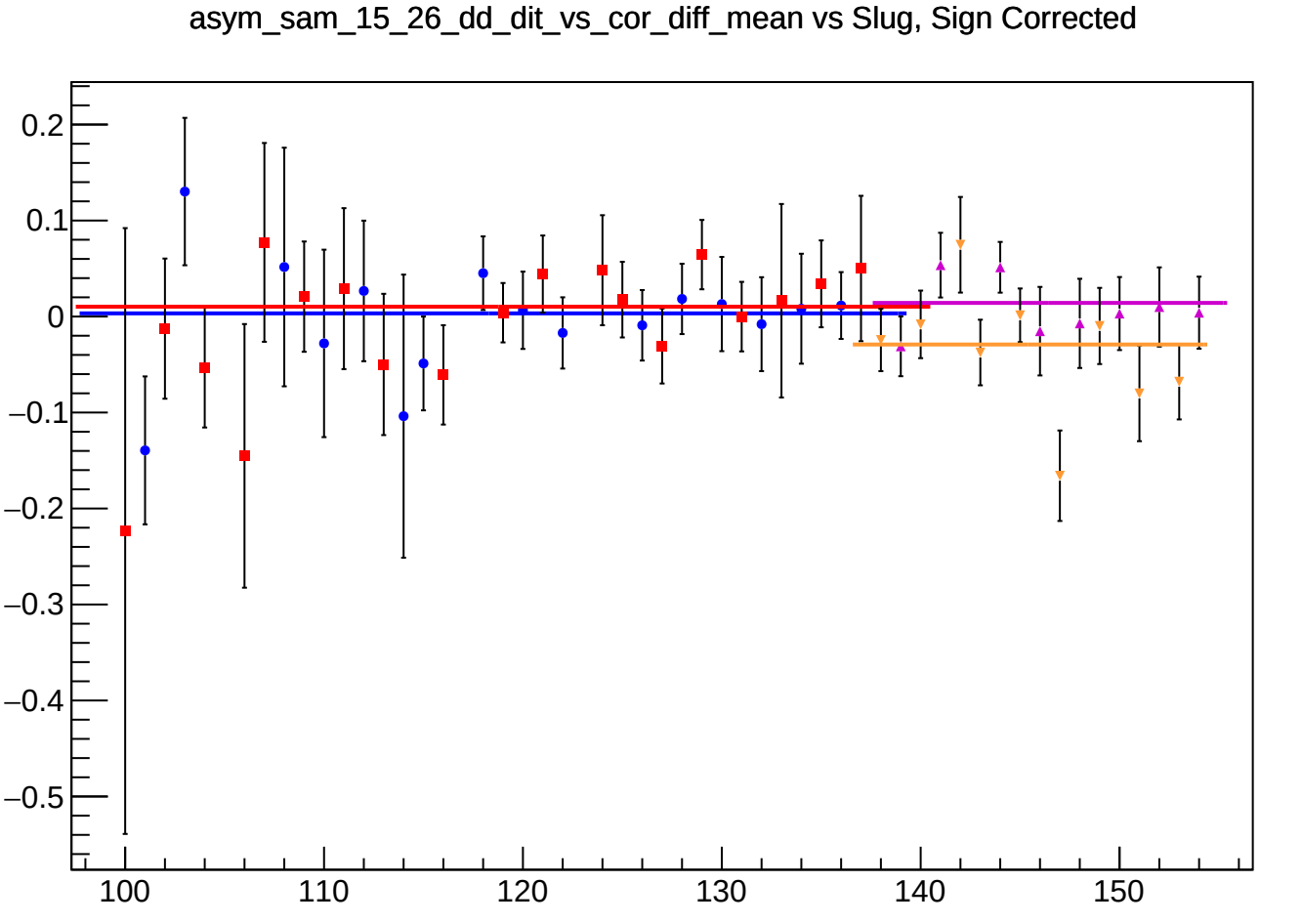
Left: 0.000+/-0.000 χ^2/NDF: 1215244.4/16

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3999566.2/23

Out: 0.000+/-0.000 χ^2/NDF:4424216.0/27

All: 0.000+/-0.000 χ^2/NDF: 8431913.2/51



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: 0.014+/-0.013 χ^2/NDF:6.2/7

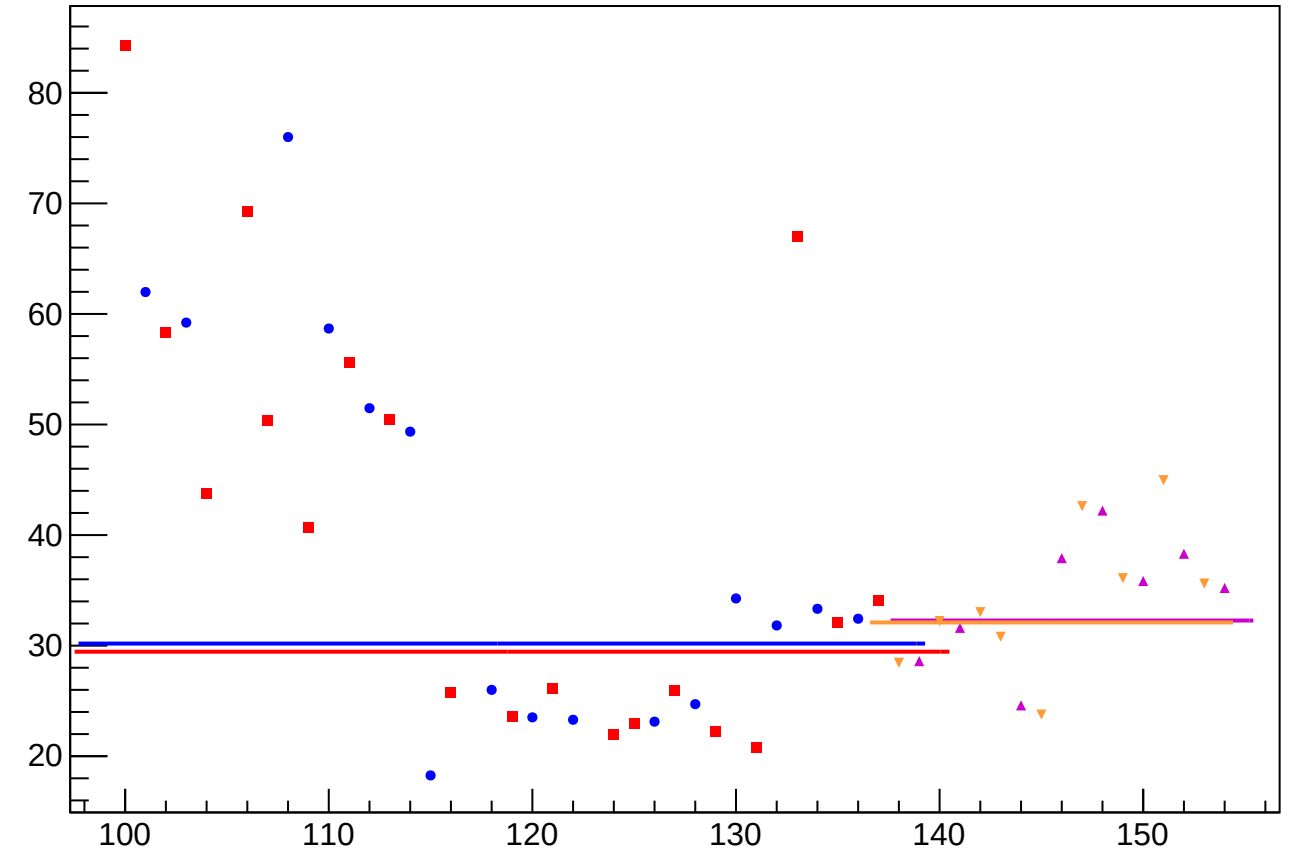
Left: -0.008+/-0.009 χ^2/NDF: 28.8/16

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/23

Out: -0.008+/-0.009 χ^2/NDF:33.1/27

All: -0.000+/-0.006 χ^2/NDF: 51.8/51



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: 32.272+/-0.009 χ^2/NDF:391587.4/7

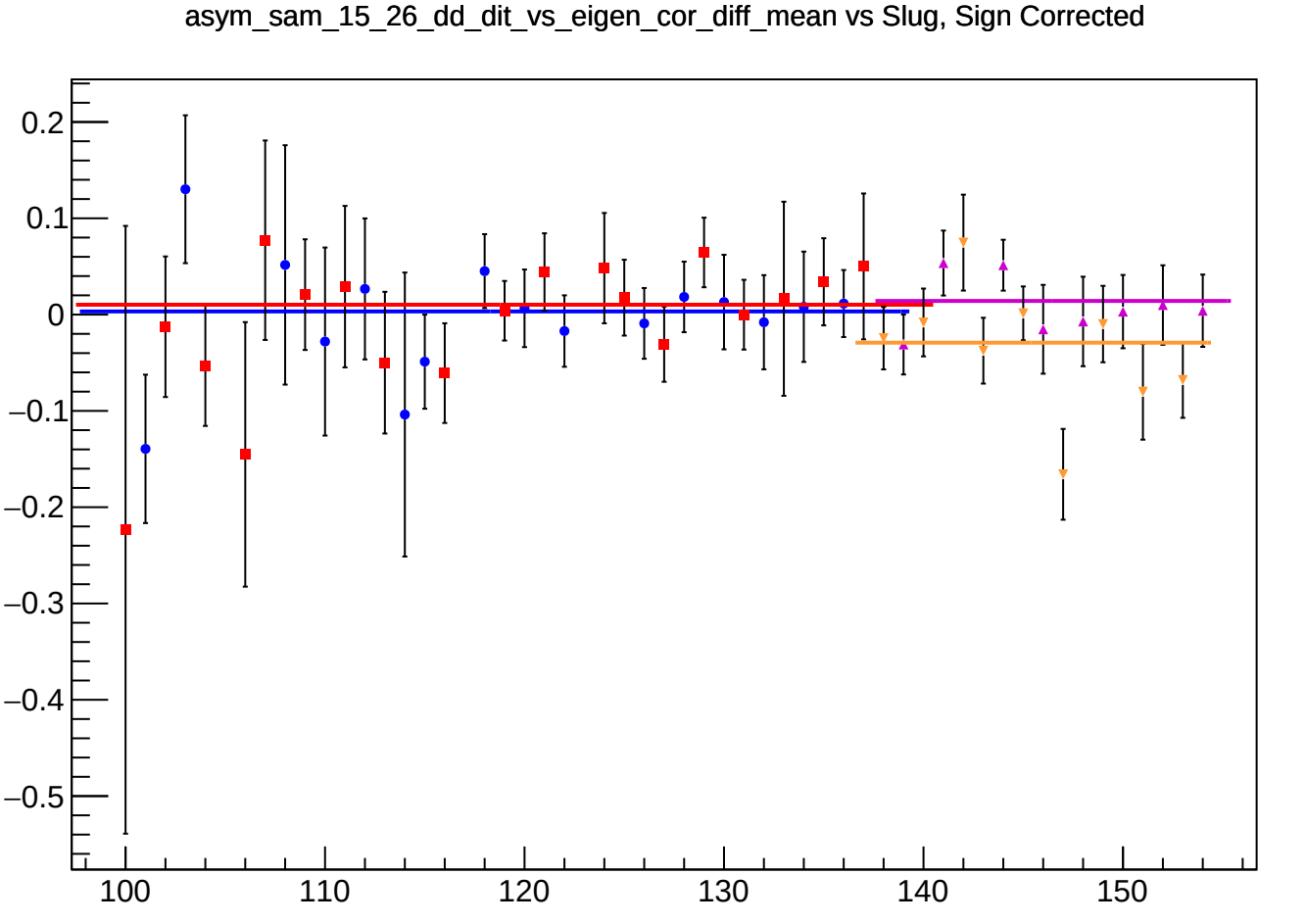
Left: 32.183+/-0.006 χ^2/NDF: 868058.0/16

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.200+/-0.006 χ^2/NDF:2106966.2/23

Out: 30.703+/-0.006 χ^2/NDF:2372321.3/27

All: 30.945+/-0.004 χ^2/NDF: 4482554.1/51



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: 0.014+/-0.013 χ^2/NDF:6.2/7

Left: -0.008+/-0.009 χ^2/NDF: 28.8/16

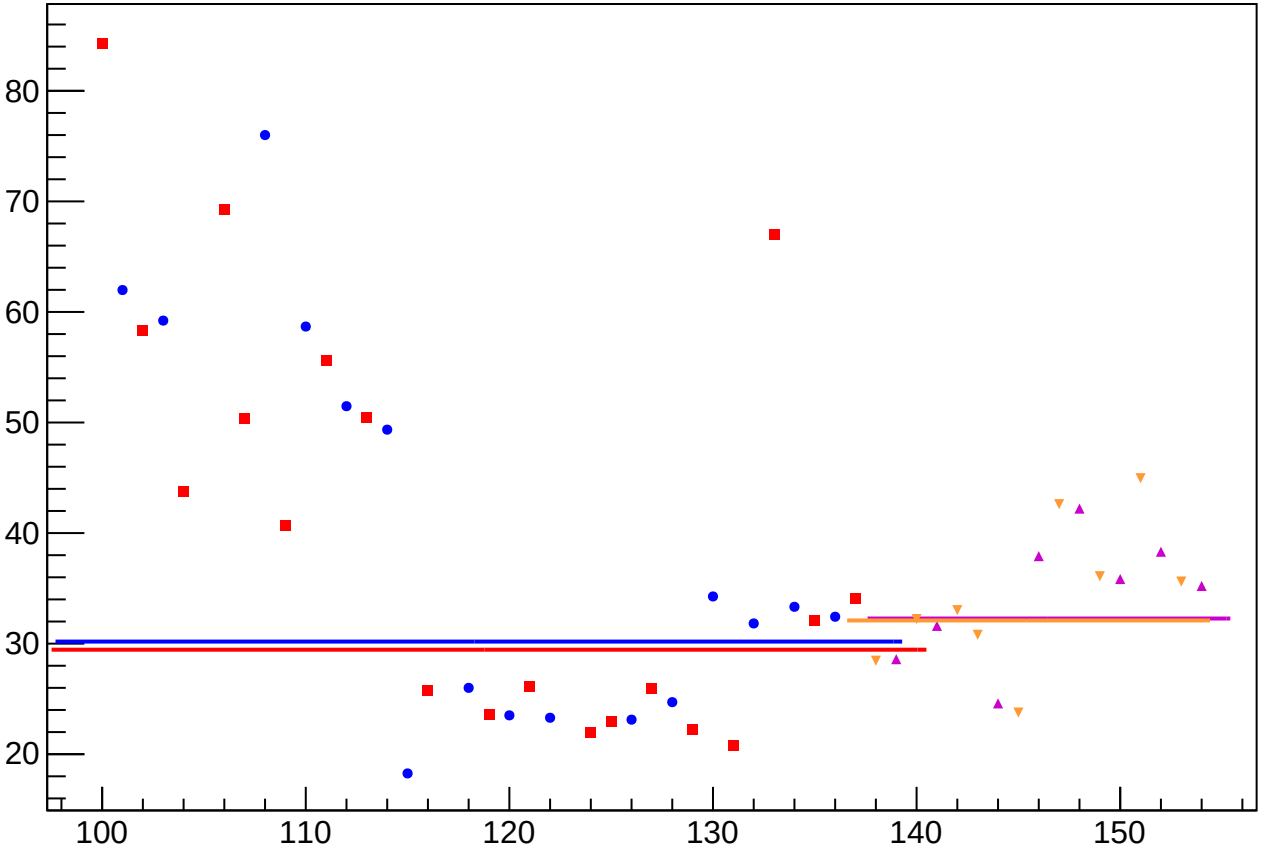
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/23

Out: -0.008+/-0.009 χ^2/NDF:33.1/27

All: -0.000+/-0.006 χ^2/NDF: 51.8/51

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: 32.272+/-0.009 χ^2/NDF:391587.4/7

Left: 32.183+/-0.006 χ^2/NDF: 868058.0/16

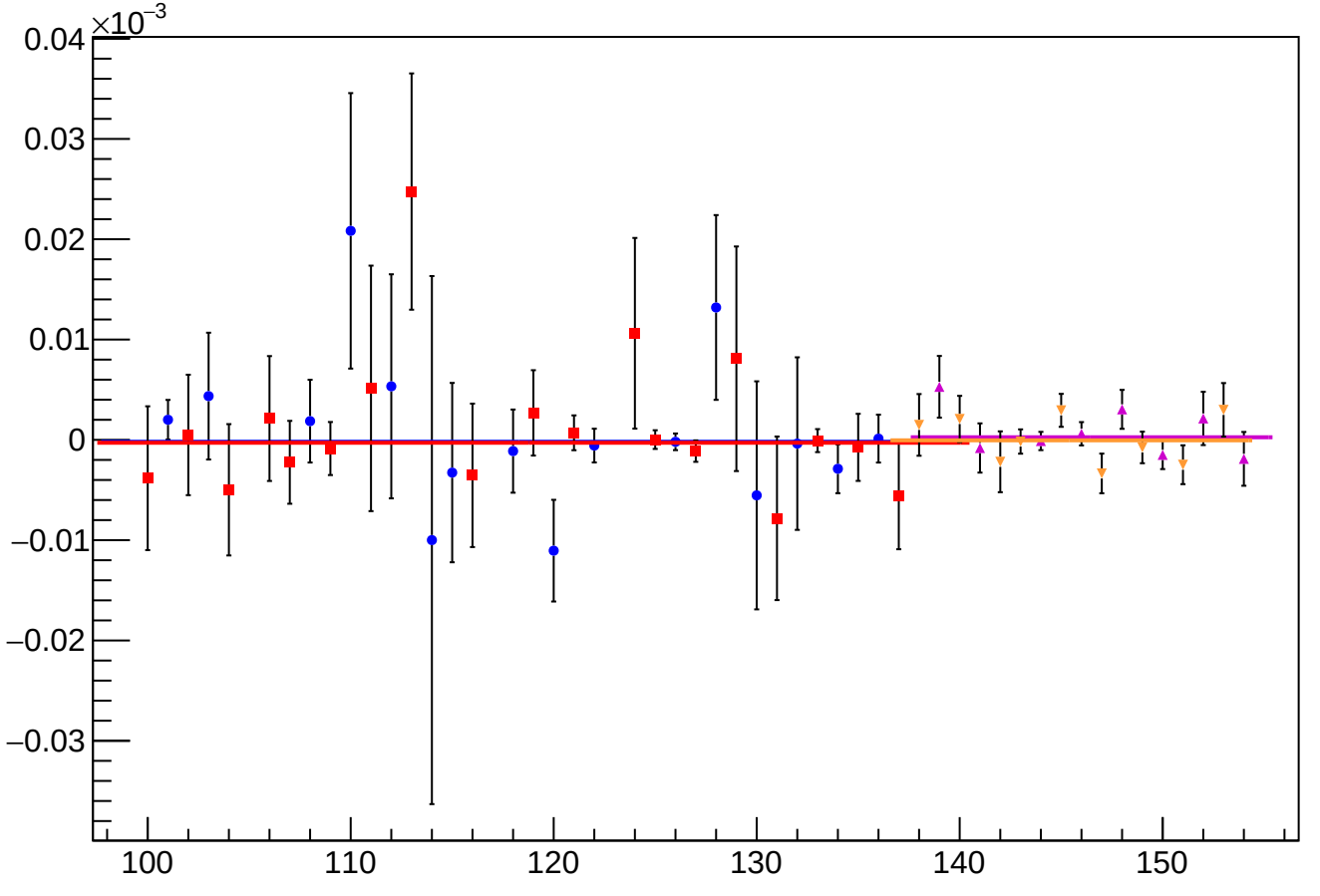
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.200+/-0.006 χ^2/NDF:2106966.2/23

Out: 30.703+/-0.006 χ^2/NDF:2372321.3/27

All: 30.945+/-0.004 χ^2/NDF: 4482554.1/51

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/7

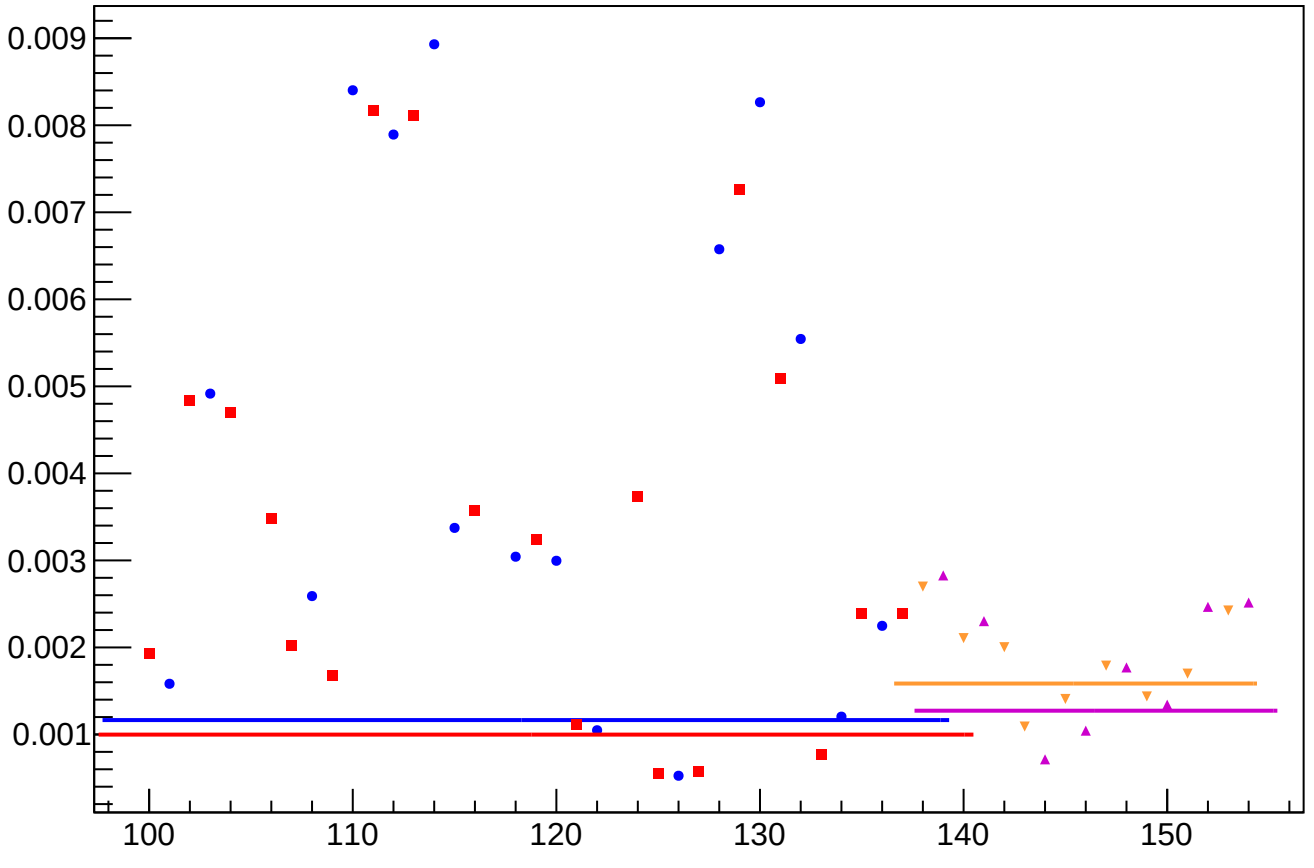
Left: 0.000+/-0.000 χ^2/NDF: 18.8/16

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:21.2/23

Out: -0.000+/-0.000 χ^2/NDF:22.3/27

All: -0.000+/-0.000 χ^2/NDF: 43.7/51



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:2662799.4/7

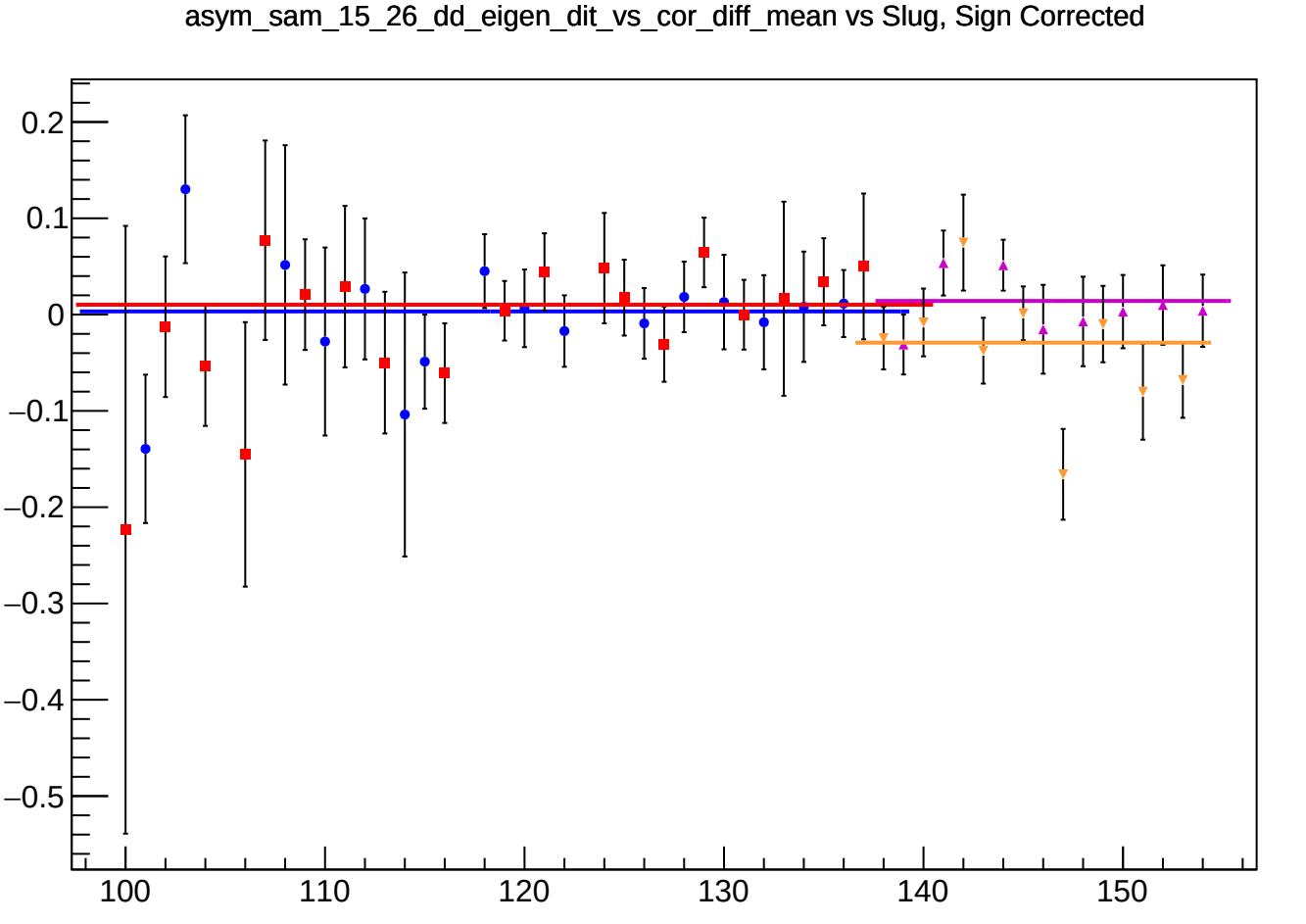
Left: 0.001+/-0.000 χ^2/NDF: 3942808.2/16

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:9578493.3/23

Out: 0.001+/-0.000 χ^2/NDF:8968977.4/27

All: 0.001+/-0.000 χ^2/NDF: 18548453.1/51



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: 0.014+/-0.013 χ^2/NDF:6.2/7

Left: -0.008+/-0.009 χ^2/NDF: 28.8/16

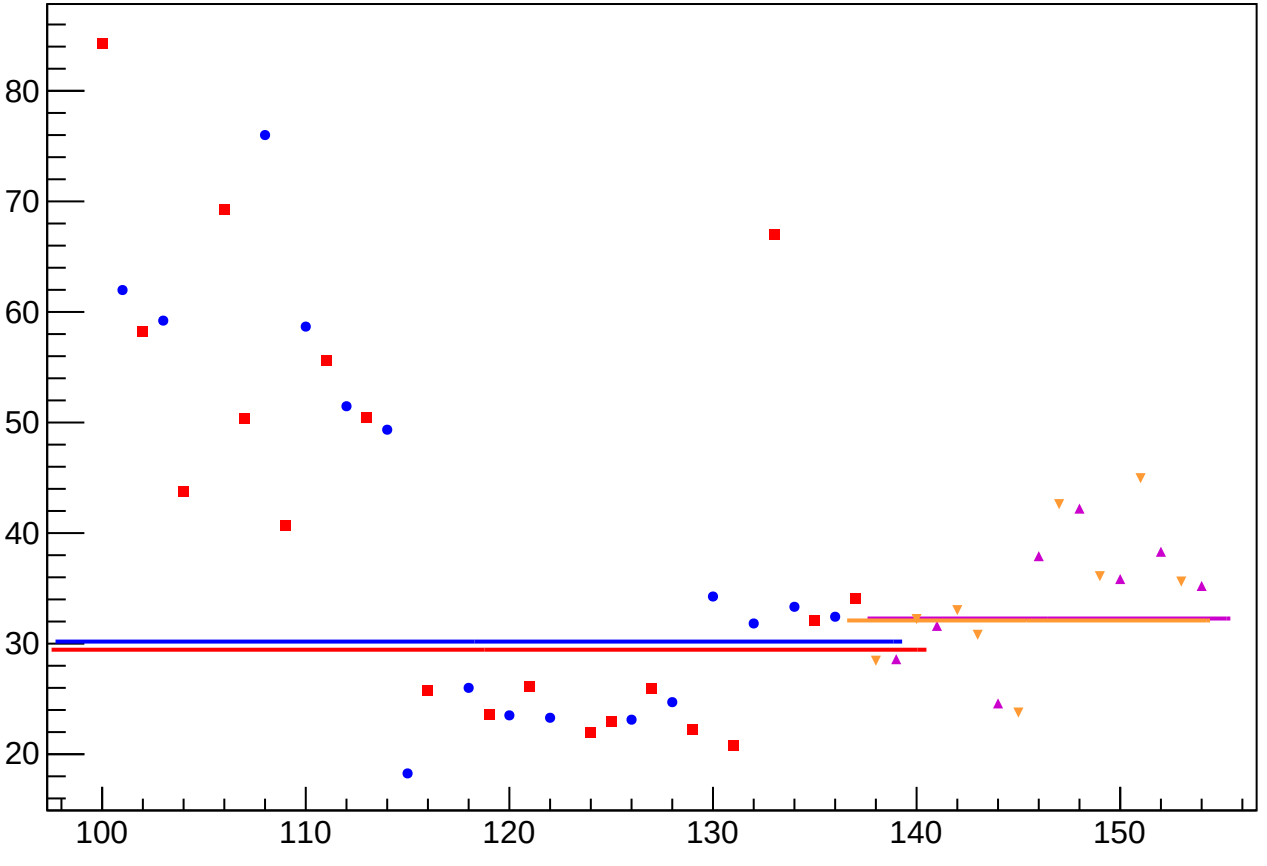
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/23

Out: -0.008+/-0.009 χ^2/NDF:33.2/27

All: -0.000+/-0.006 χ^2/NDF: 51.8/51

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: 32.272+/-0.009 χ^2/NDF:391575.2/7

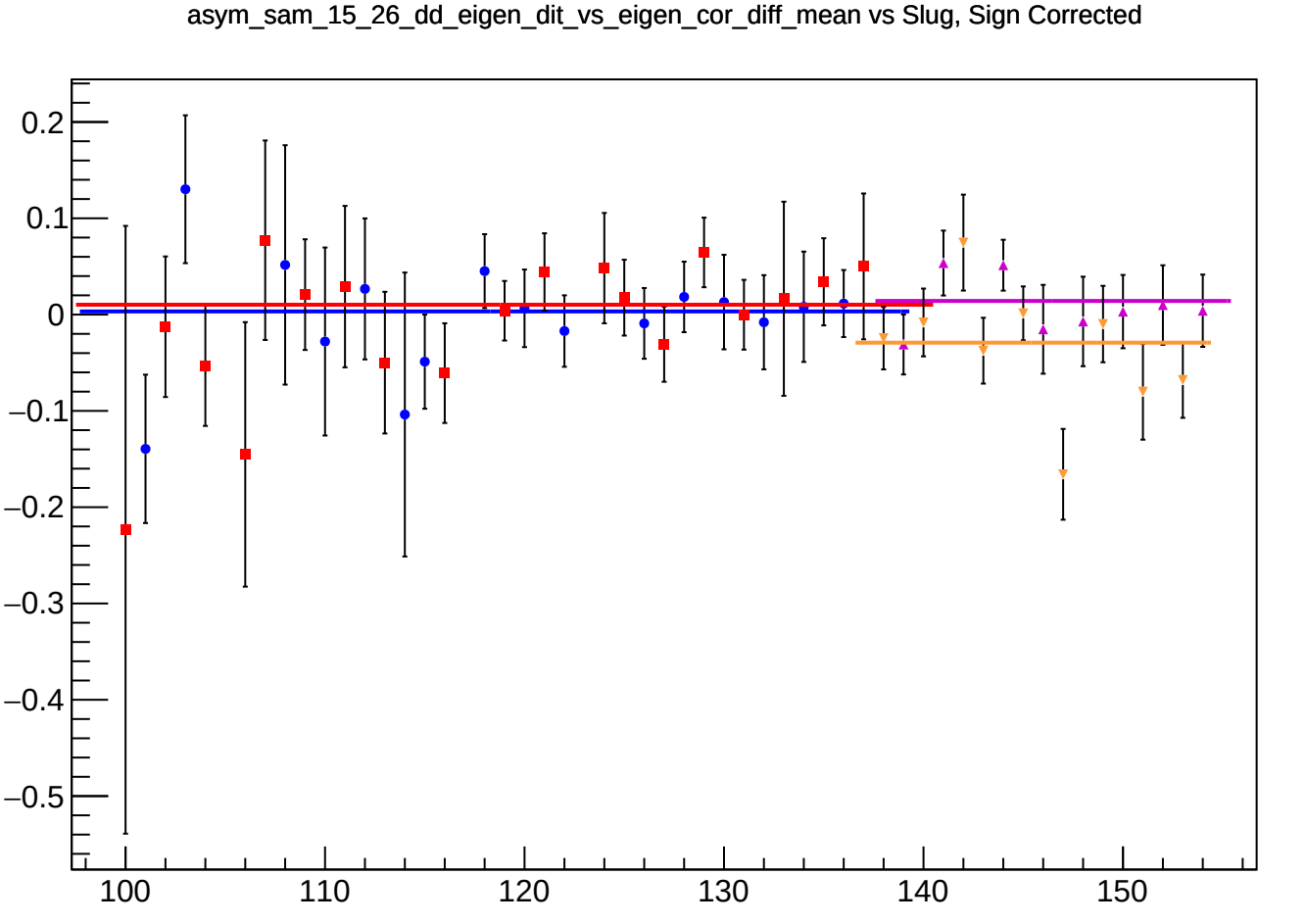
Left: 32.183+/-0.006 χ^2/NDF: 868016.1/16

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

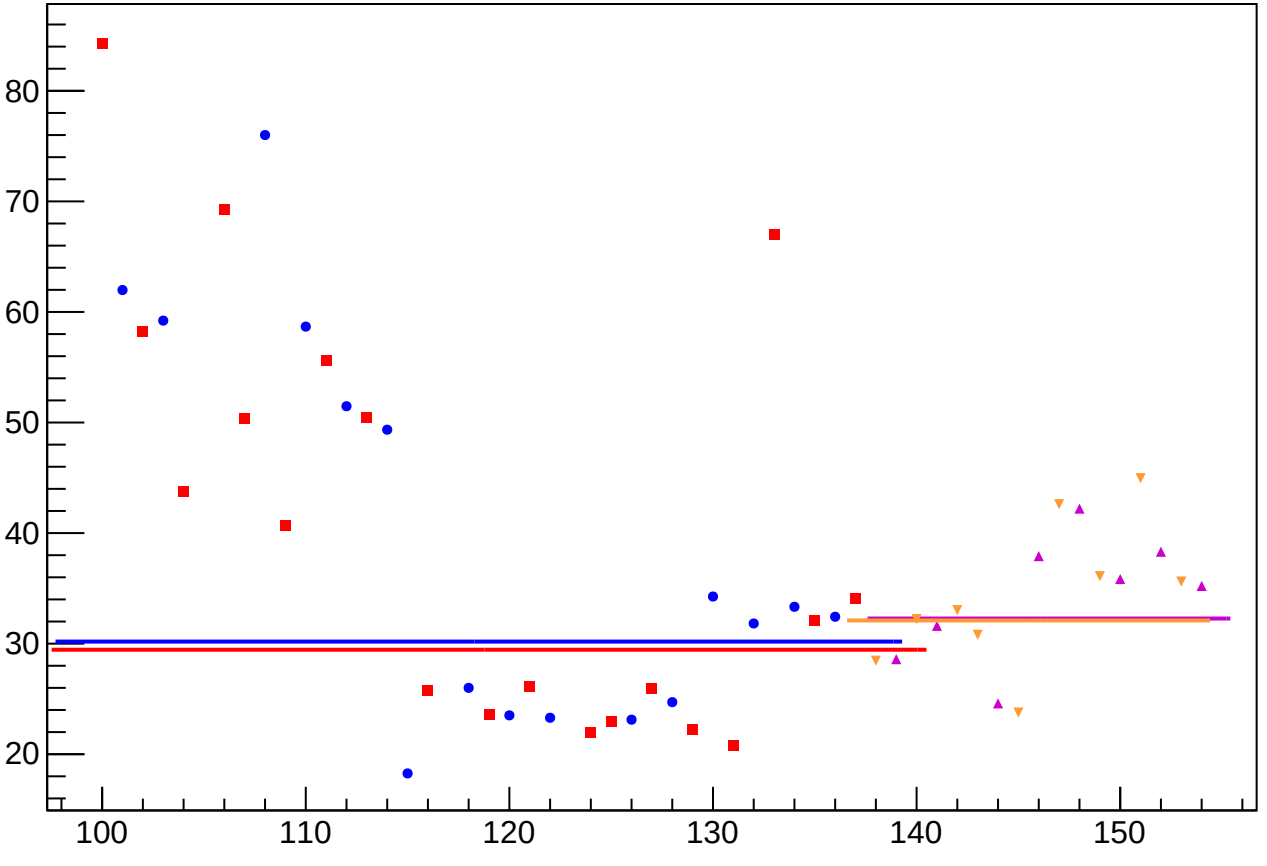
In: 31.200+/-0.006 χ^2/NDF:2106777.4/23

Out: 30.703+/-0.006 χ^2/NDF:2372324.7/27

All: 30.945+/-0.004 χ^2/NDF: 4482372.9/51


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: 0.014+/-0.013 χ²/NDF:6.2/7
Left: -0.008+/-0.009 χ²/NDF: 28.8/16
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.009 χ²/NDF:16.7/23
Out: -0.008+/-0.009 χ²/NDF:33.2/27
All: -0.000+/-0.006 χ²/NDF: 51.8/51

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: 32.272+/-0.009 χ^2/NDF:391575.2/7

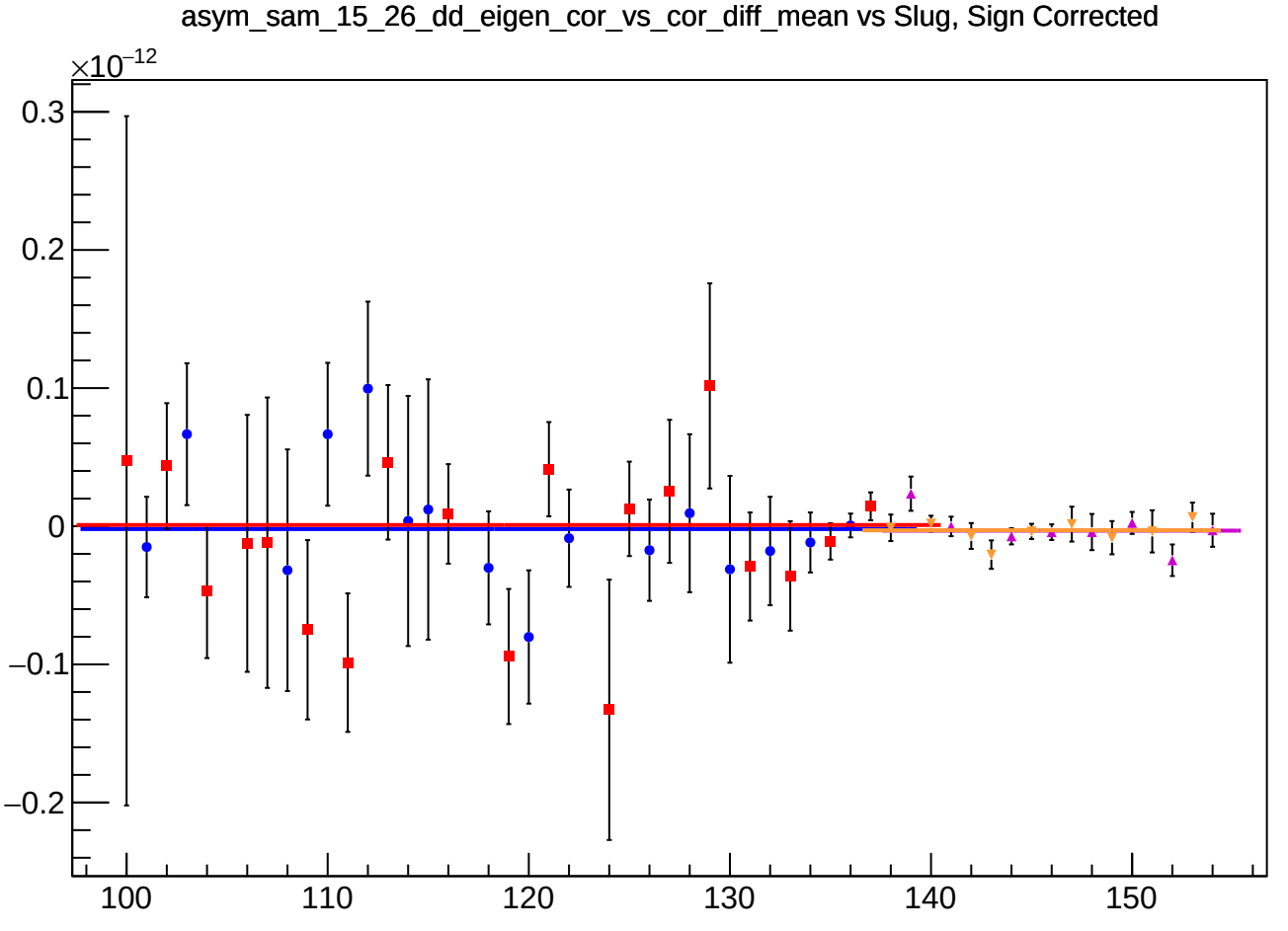
Left: 32.183+/-0.006 χ^2/NDF: 868016.1/16

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 31.200+/-0.006 χ^2/NDF:2106777.4/23

Out: 30.703+/-0.006 χ^2/NDF:2372324.7/27

All: 30.945+/-0.004 χ^2/NDF: 4482372.9/51



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:9.4/7

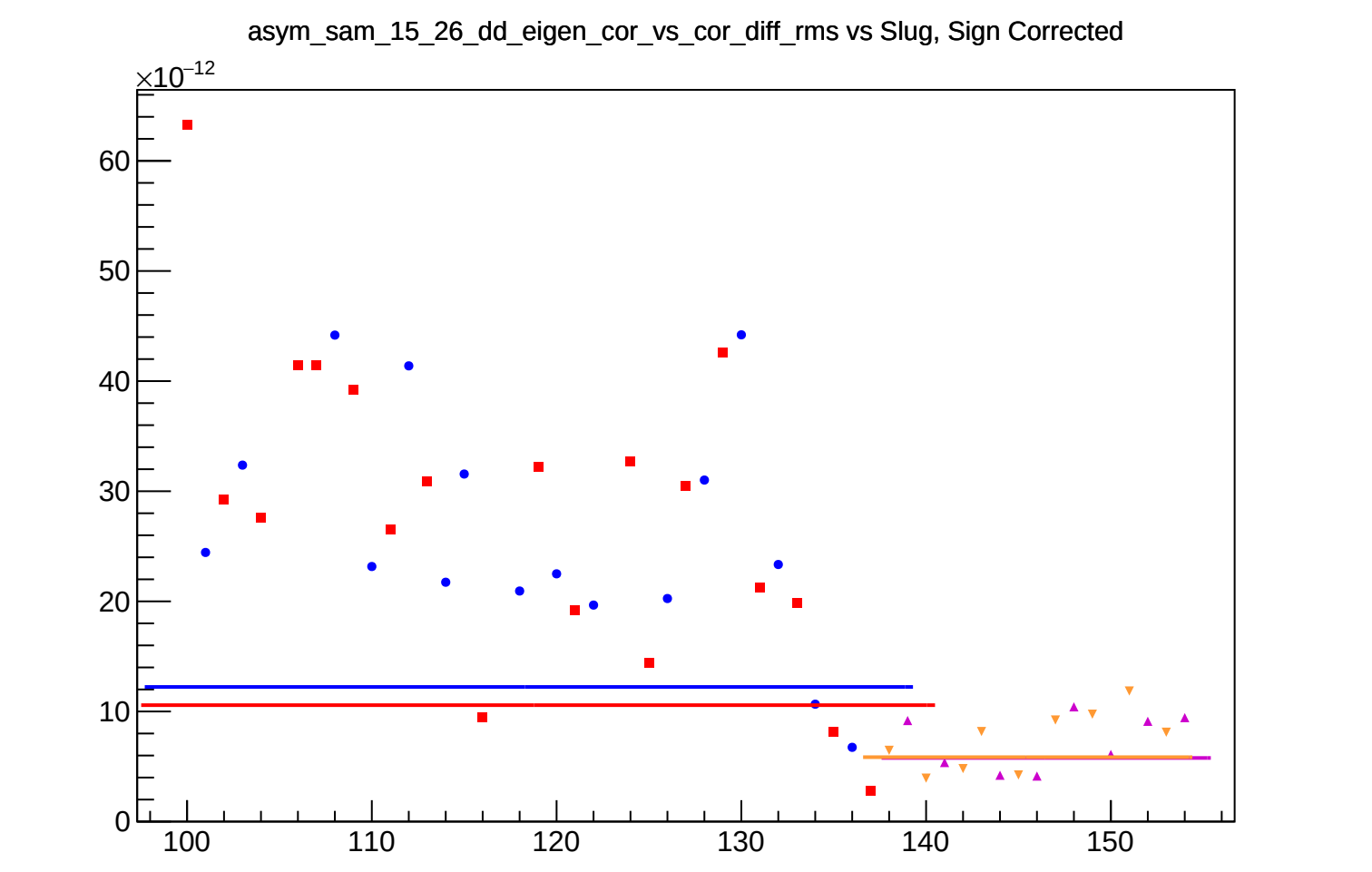
Left: -0.000+/-0.000 χ^2/NDF: 14.4/16

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:19.8/23

Out: -0.000+/-0.000 χ^2/NDF:26.7/27

All: -0.000+/-0.000 χ^2/NDF: 46.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1284798.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1081733.0/7

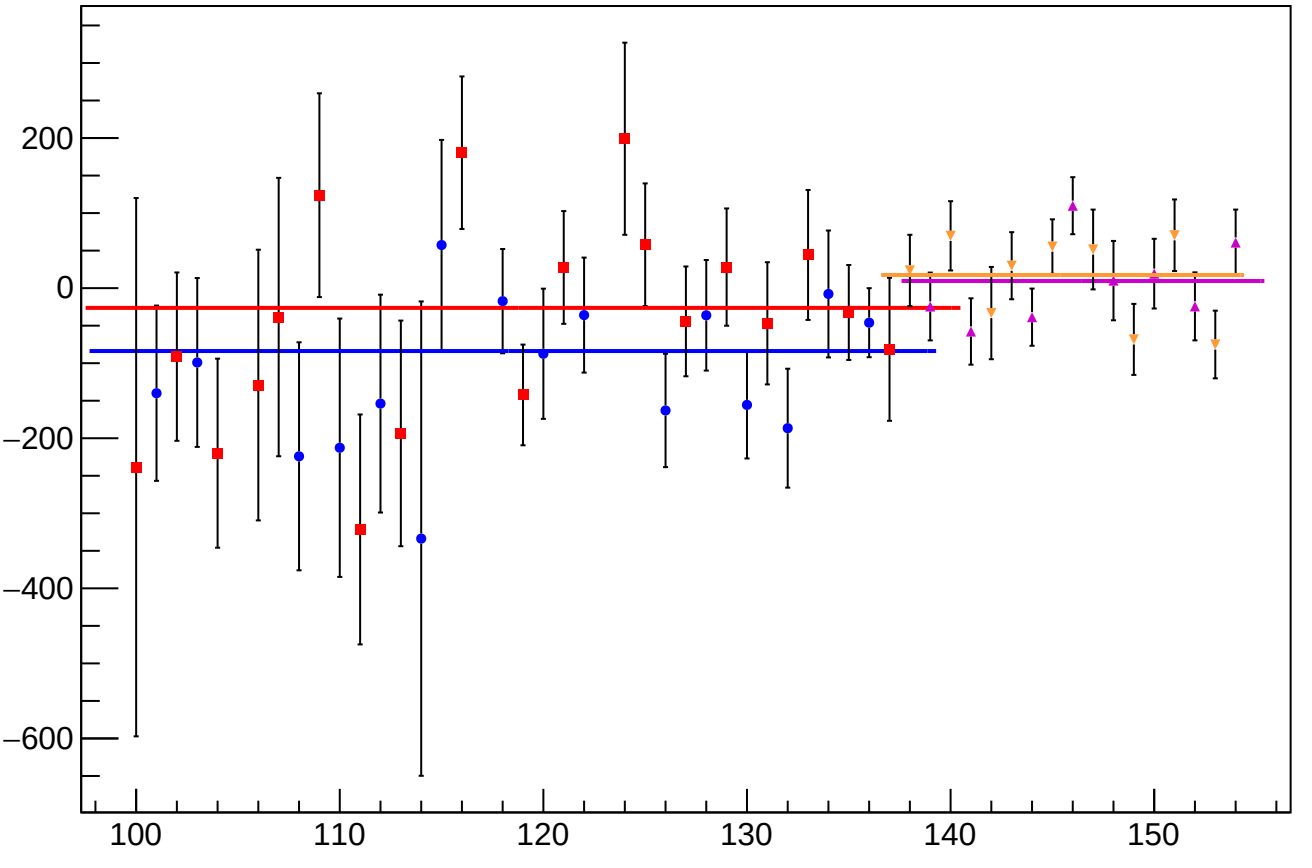
Left: 0.000+/-0.000 χ^2/NDF: 2367166.7/16

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6042615.1/23

Out: 0.000+/-0.000 χ^2/NDF:6903461.3/27

All: 0.000+/-0.000 χ^2/NDF: 12949202.8/51



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: 9.535+/-15.413 χ^2/NDF:13.4/7

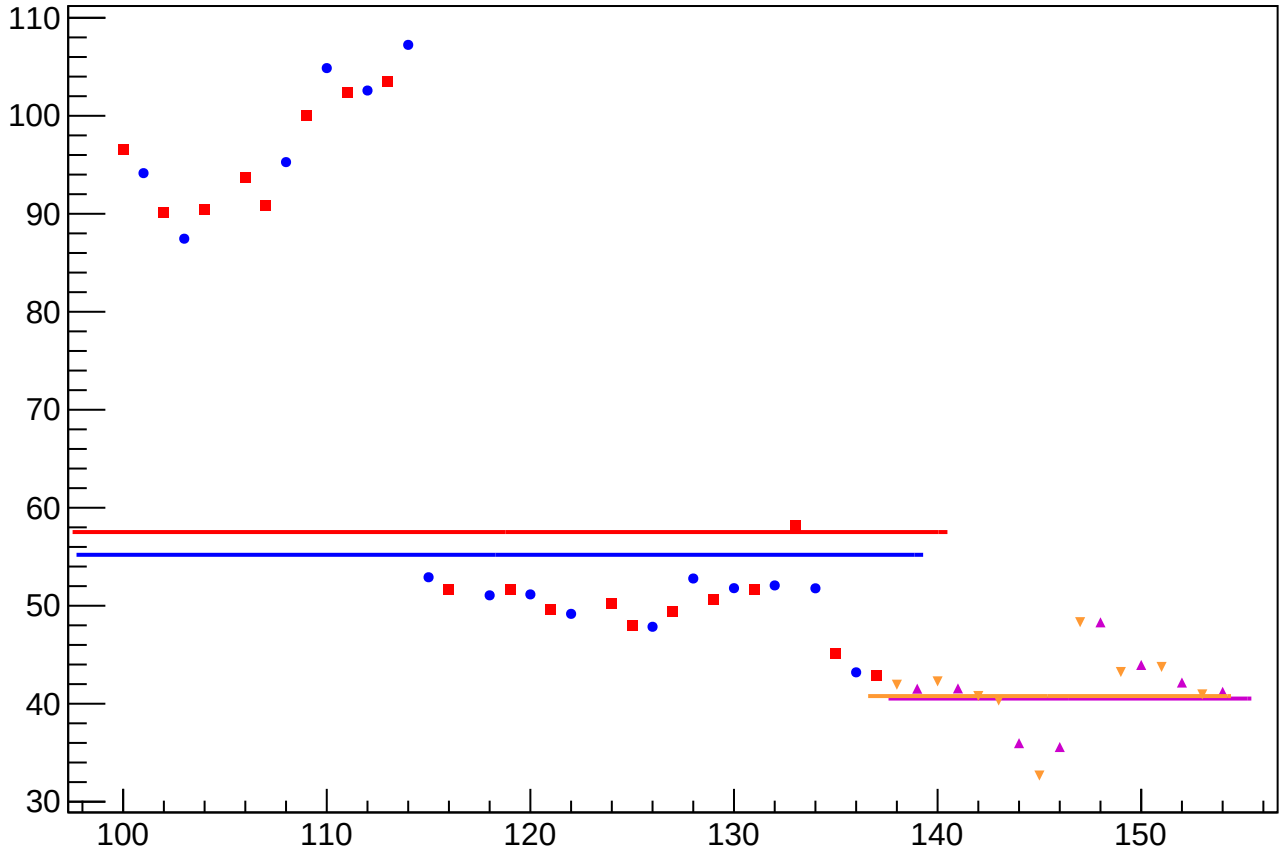
Left: 13.510+/-10.926 χ^2/NDF: 25.8/16

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -22.279+/-12.514 χ^2/NDF:36.5/23

Out: 3.058+/-12.678 χ^2/NDF:37.9/27

All: -9.776+/-8.906 χ^2/NDF: 76.4/51



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: 40.527+/-0.011 χ^2/NDF:121799.4/7

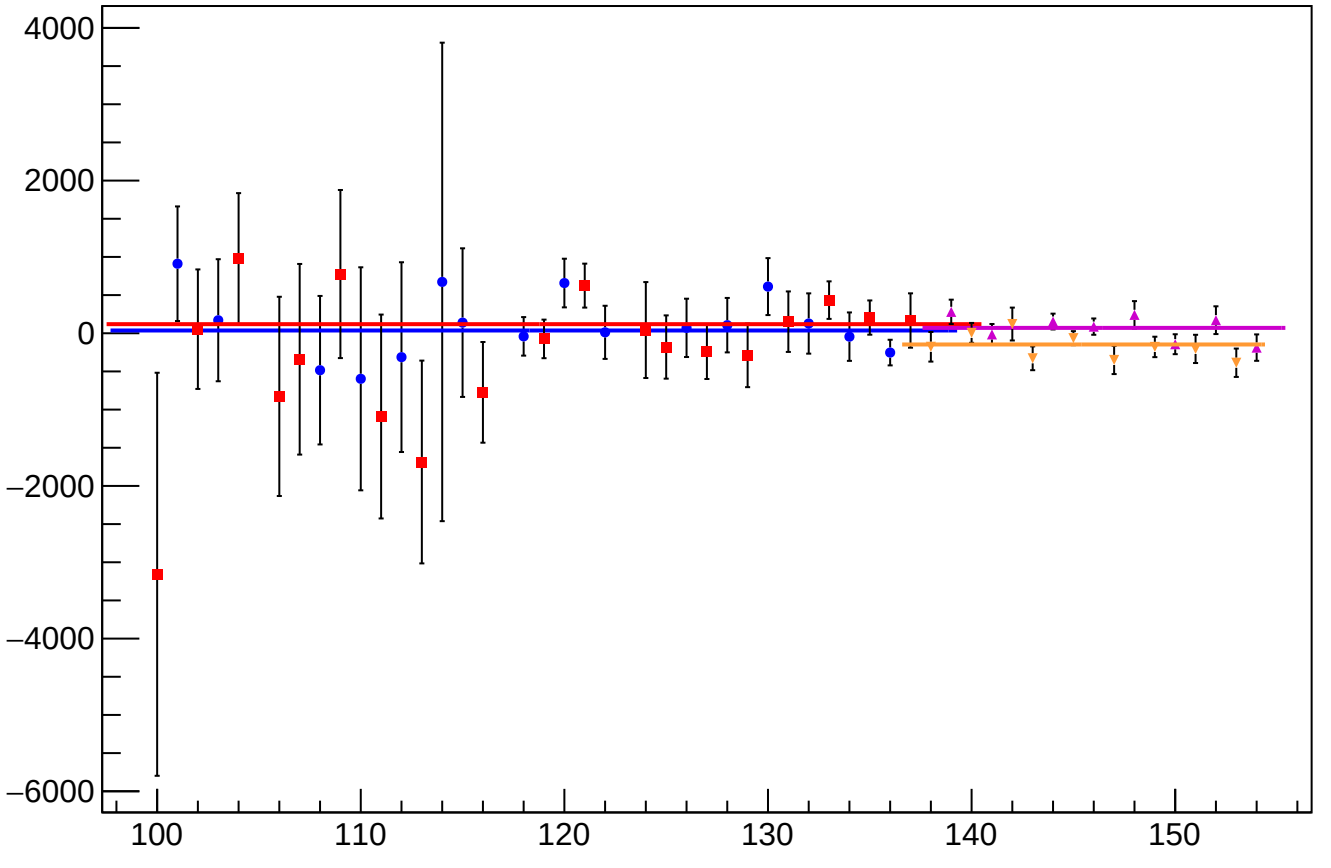
Left: 40.653+/-0.008 χ^2/NDF: 278654.4/16

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 45.527+/-0.009 χ^2/NDF:1891977.9/23

Out: 46.305+/-0.009 χ^2/NDF:2209336.7/27

All: 45.911+/-0.006 χ^2/NDF: 4105132.3/51



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: 70.347+/-48.379 χ^2/NDF:8.9/7

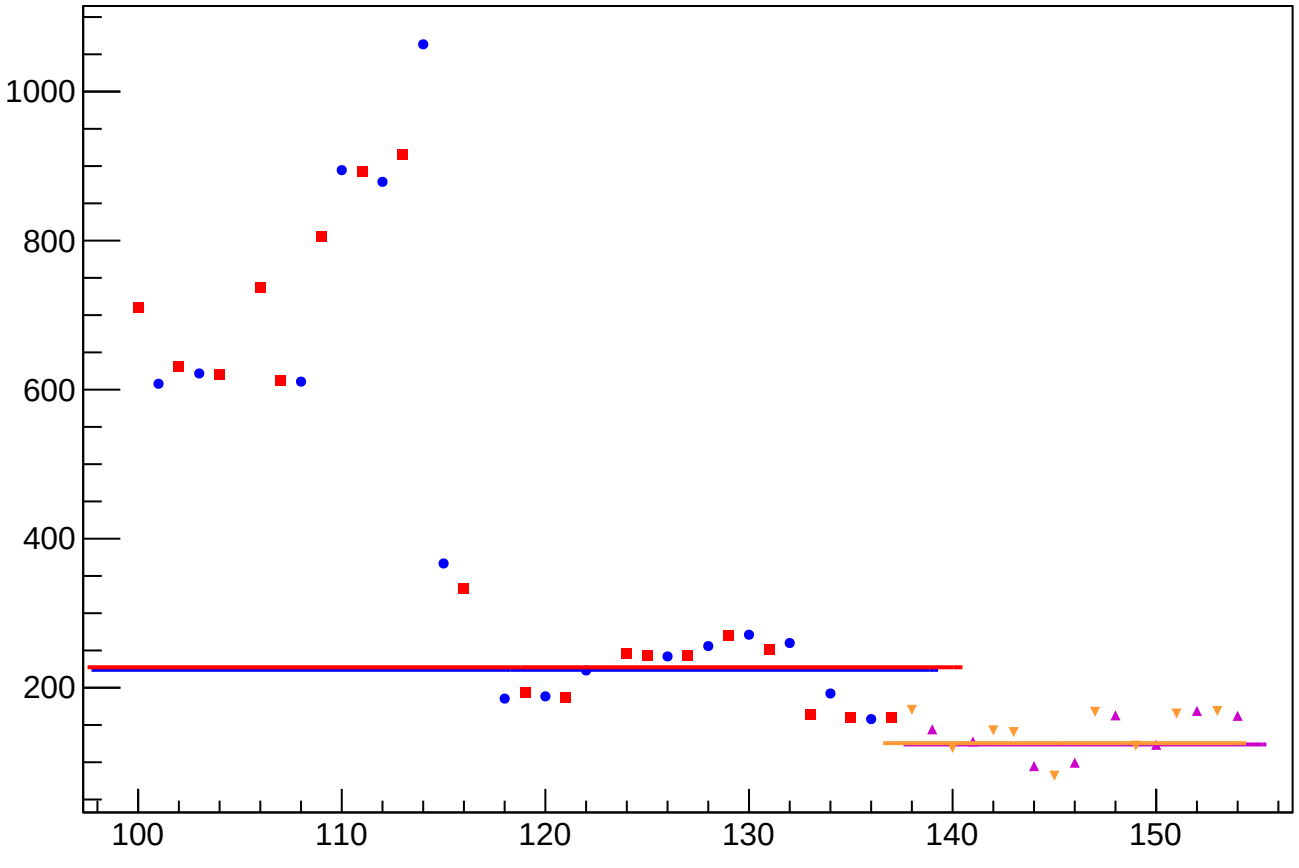
Left: -36.156+/-34.544 χ^2/NDF: 26.9/16

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 63.170+/-42.974 χ^2/NDF:20.4/23

Out: -91.179+/-43.868 χ^2/NDF:30.2/27

All: -12.415+/-30.698 χ^2/NDF: 57.0/51



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: 123.875+/-0.034 χ^2/NDF:611899.5/7

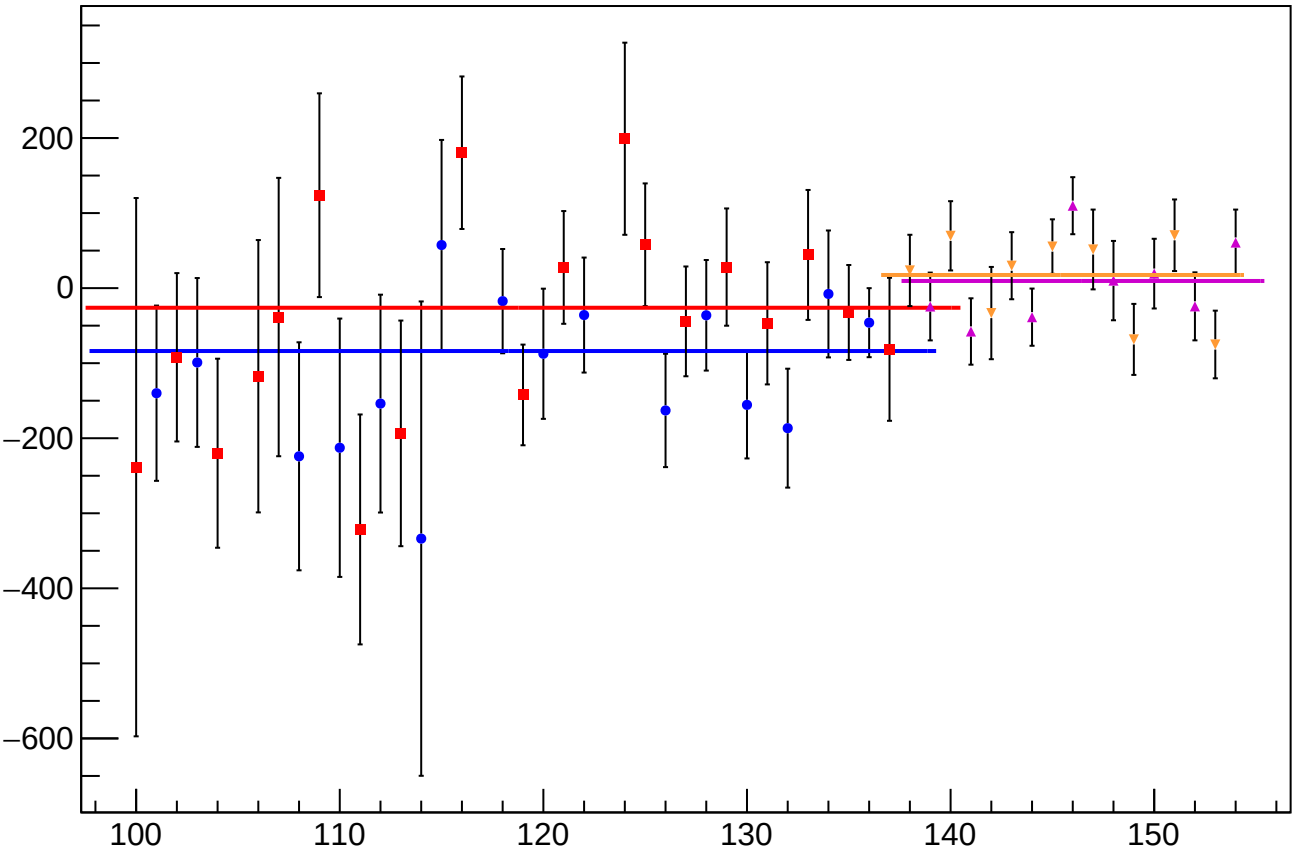
Left: 124.750+/-0.024 χ^2/NDF: 1514987.6/16

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 145.006+/-0.030 χ^2/NDF:5388653.9/23

Out: 146.990+/-0.031 χ^2/NDF:6325936.8/27

All: 145.978+/-0.022 χ^2/NDF: 11716677.3/51



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: 9.535+/-15.413 χ^2/NDF:13.4/7

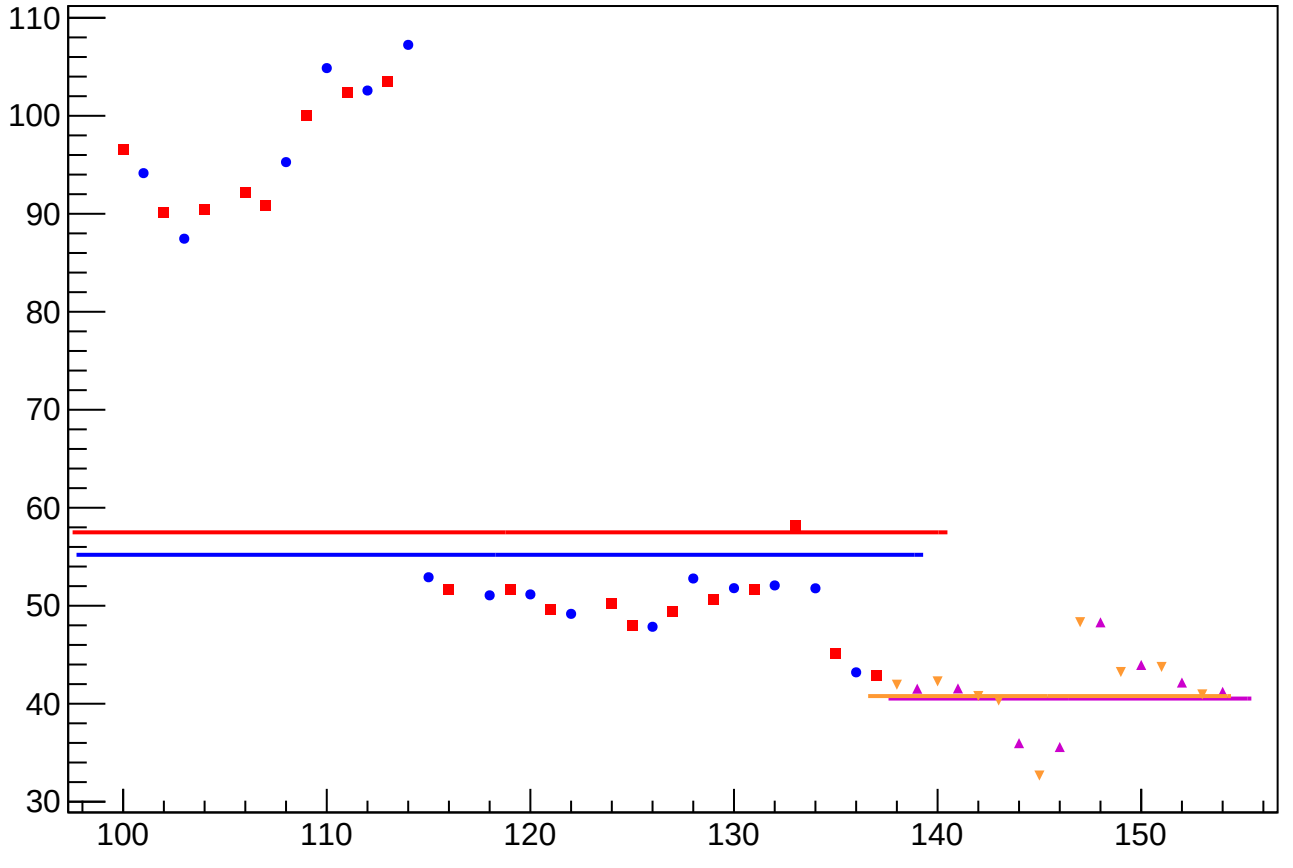
Left: 13.510+/-10.926 χ^2/NDF: 25.8/16

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -22.278+/-12.514 χ^2/NDF:36.5/23

Out: 3.112+/-12.679 χ^2/NDF:37.8/27

All: -9.749+/-8.906 χ^2/NDF: 76.3/51



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: 40.527+/-0.011 χ^2/NDF:121799.4/7

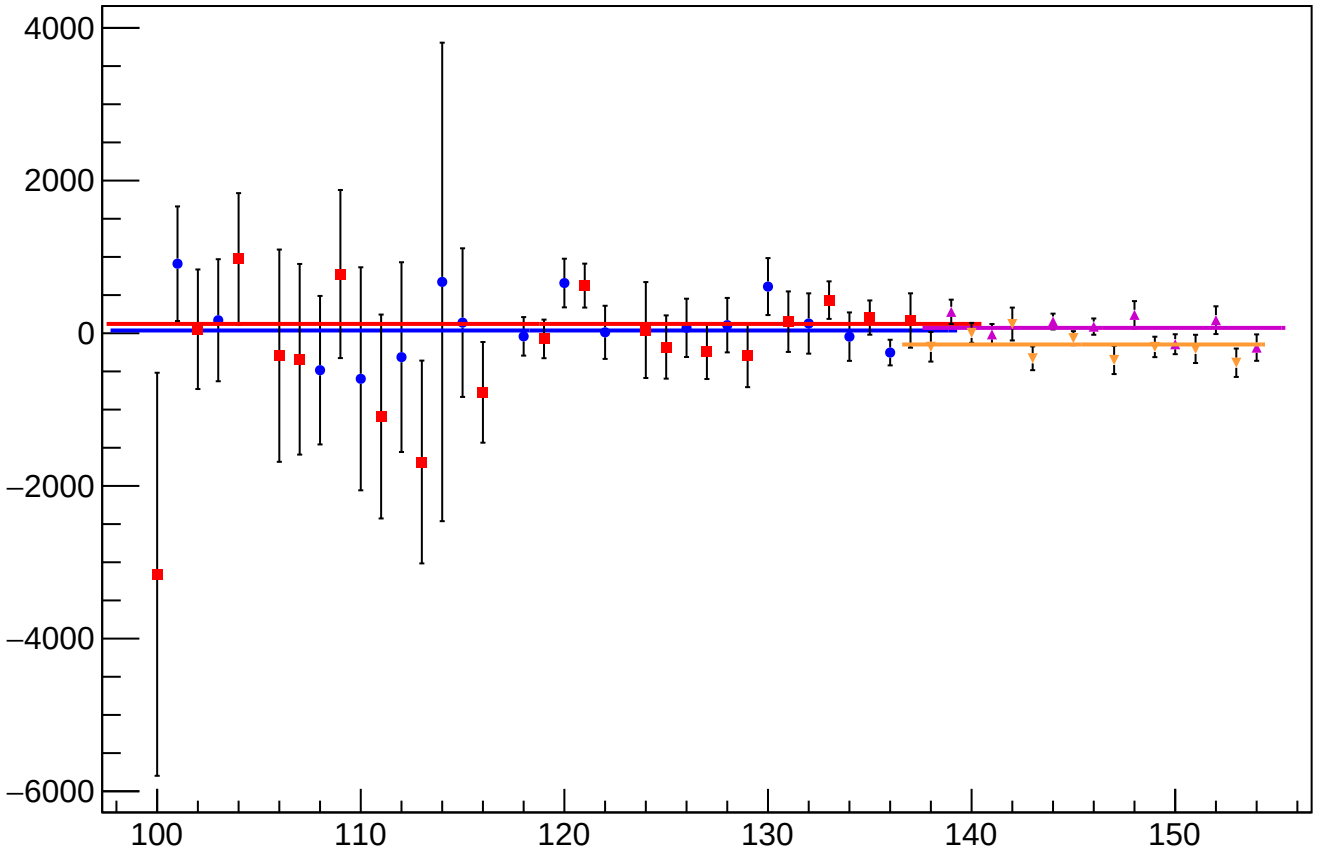
Left: 40.653+/-0.008 χ^2/NDF: 278654.4/16

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.527+/-0.009 χ^2/NDF:1891978.2/23

Out: 46.295+/-0.009 χ^2/NDF:2199175.0/27

All: 45.906+/-0.006 χ^2/NDF: 4094871.0/51



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: 70.347+/-48.379 χ^2/NDF:8.9/7

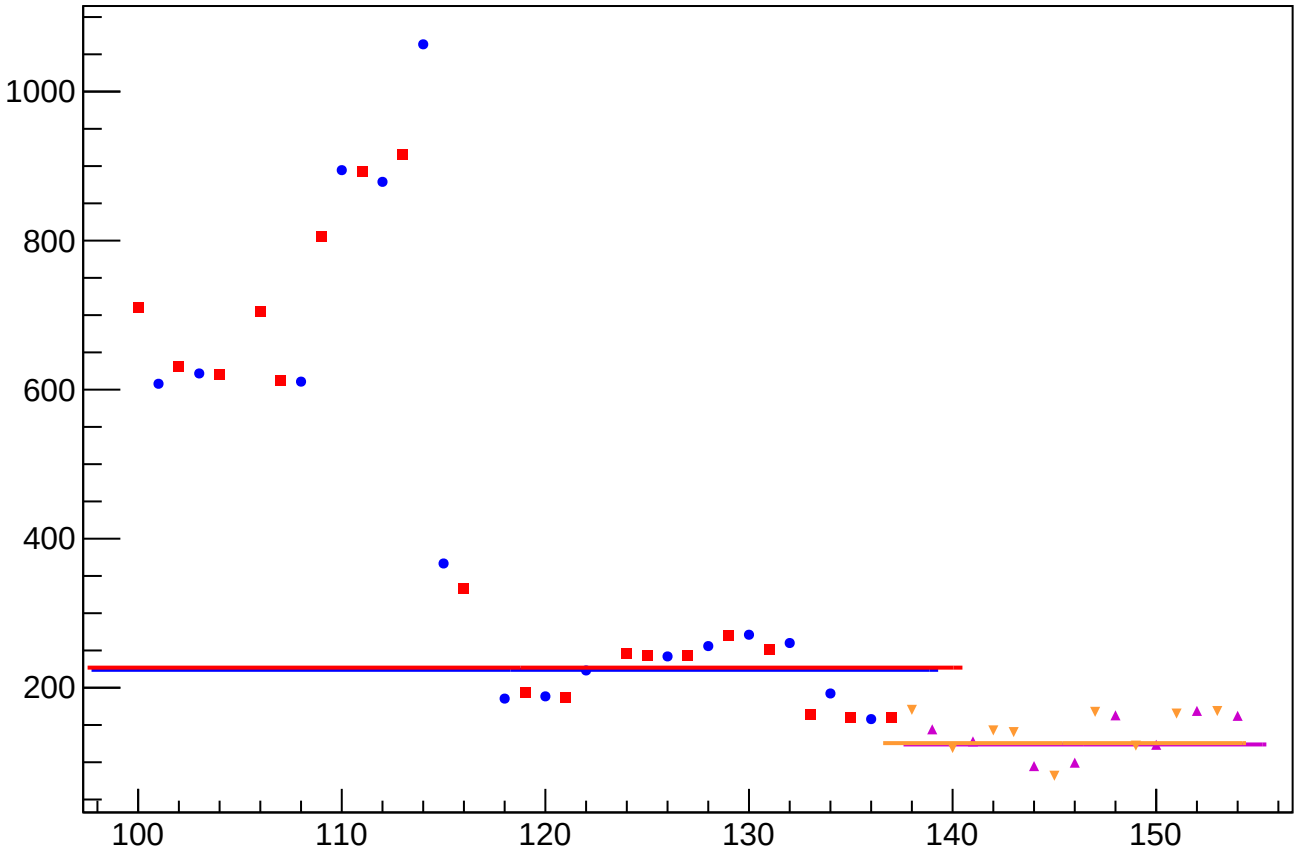
Left: -36.157+/-34.544 χ^2/NDF: 26.9/16

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 63.170+/-42.974 χ^2/NDF:20.4/23

Out: -90.555+/-43.871 χ^2/NDF:29.9/27

All: -12.104+/-30.699 χ^2/NDF: 56.6/51



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: 123.875+/-0.034 χ^2/NDF:611901.0/7

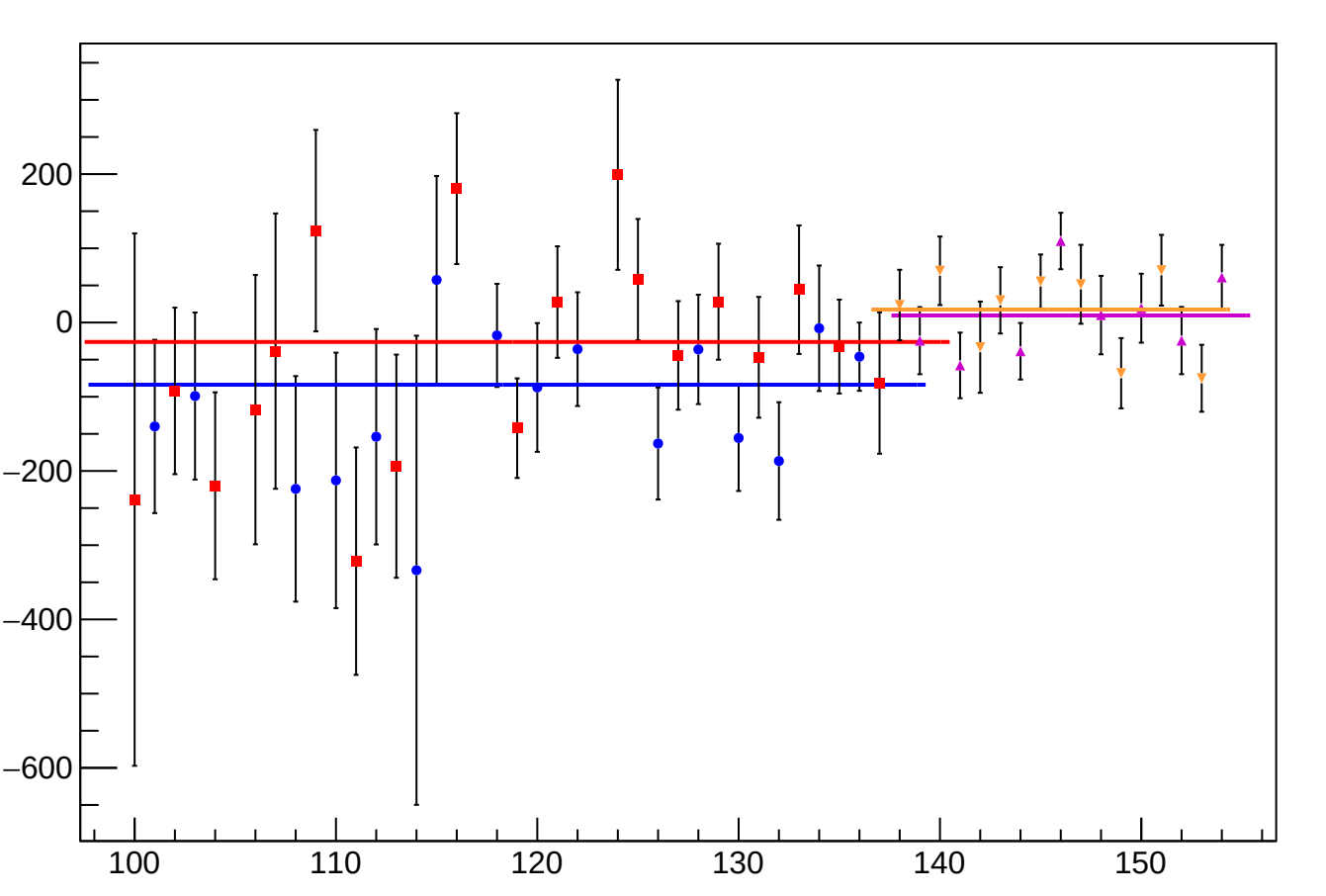
Left: 124.750+/-0.024 χ^2/NDF: 1514994.2/16

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 145.006+/-0.030 χ^2/NDF:5388668.4/23

Out: 146.878+/-0.031 χ^2/NDF:6239565.3/27

All: 145.923+/-0.022 χ^2/NDF: 11630092.4/51



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: 9.535+/-15.413 χ^2/NDF:13.4/7

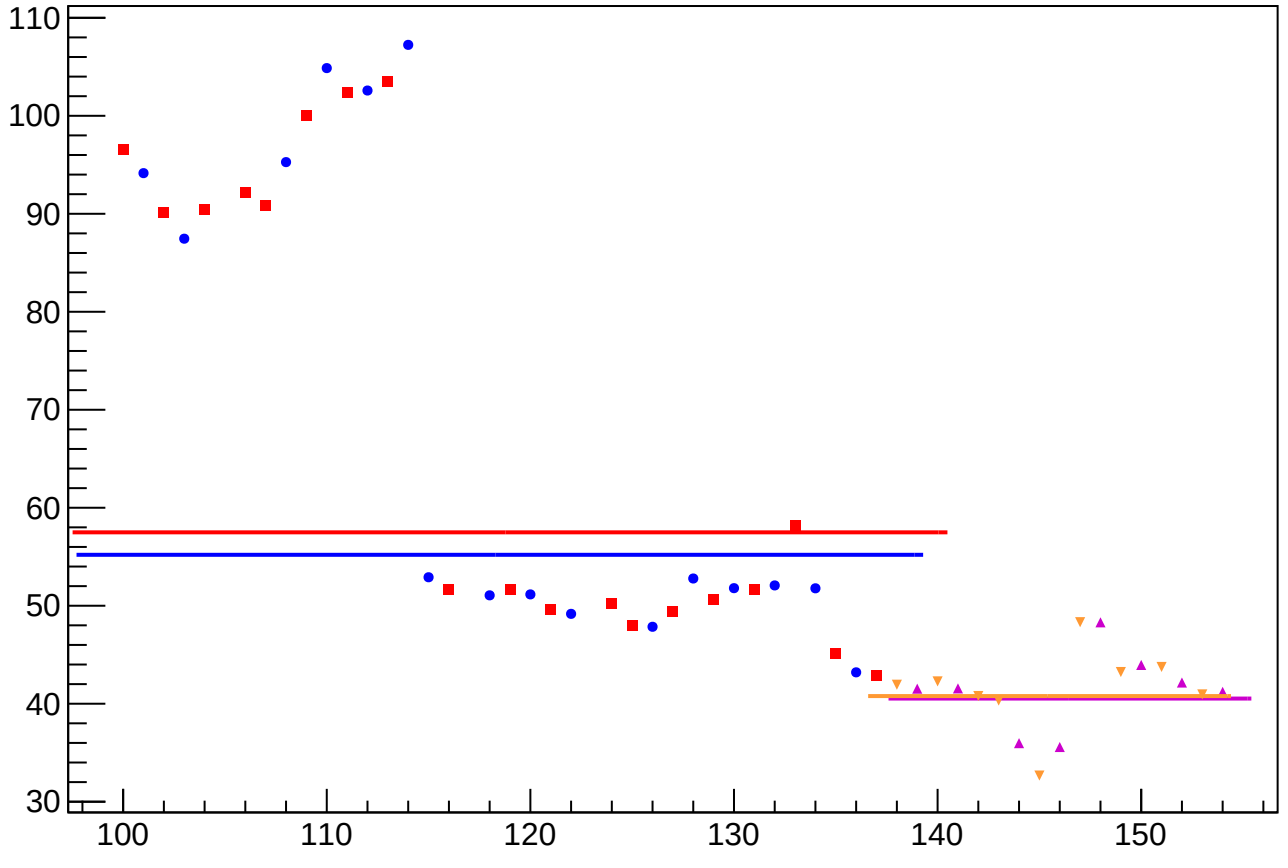
Left: 13.510+/-10.926 χ^2/NDF: 25.8/16

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -22.278+/-12.514 χ^2/NDF:36.5/23

Out: 3.112+/-12.679 χ^2/NDF:37.8/27

All: -9.749+/-8.906 χ^2/NDF: 76.3/51



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: 40.527+/-0.011 χ^2/NDF:121799.4/7

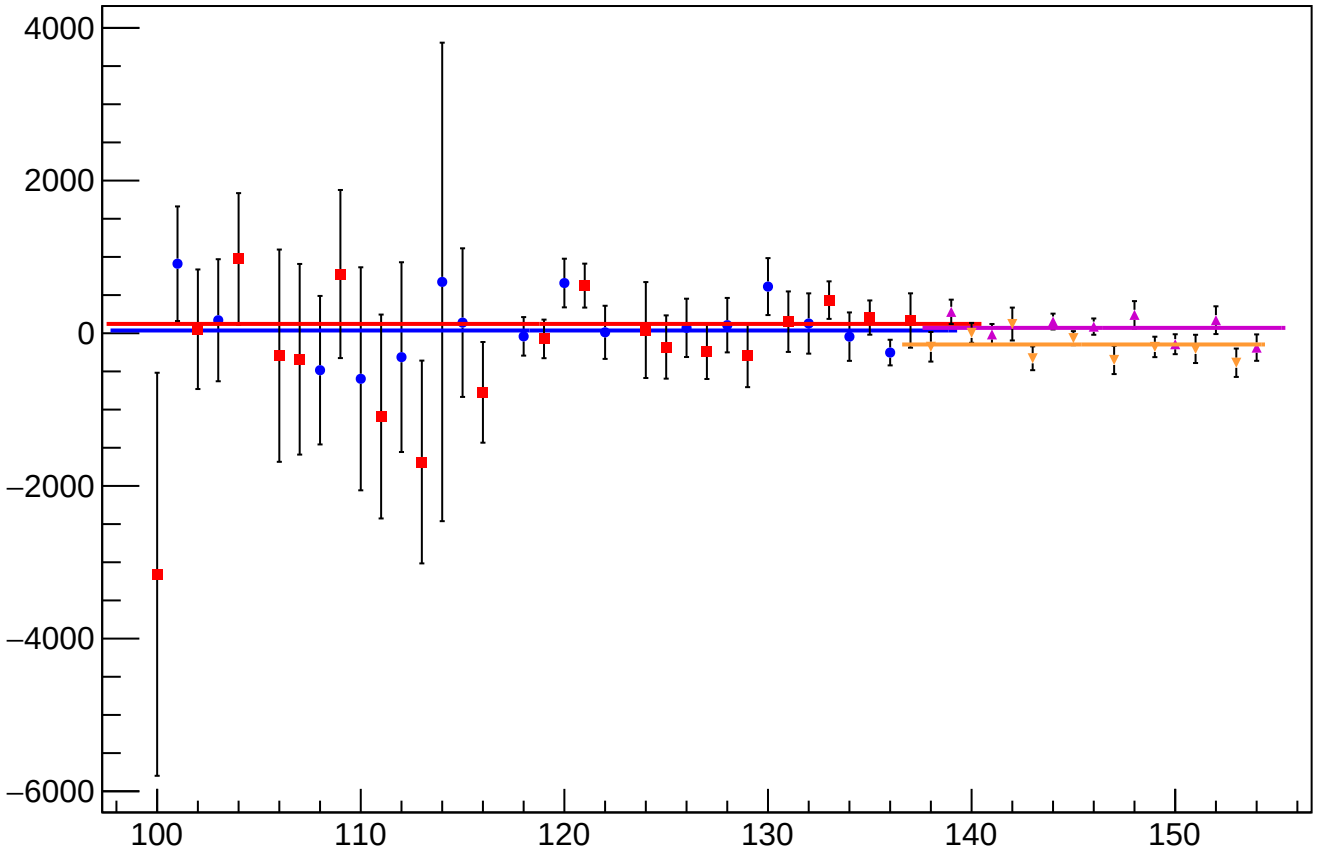
Left: 40.653+/-0.008 χ^2/NDF: 278654.4/16

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.527+/-0.009 χ^2/NDF:1891978.2/23

Out: 46.295+/-0.009 χ^2/NDF:2199175.0/27

All: 45.906+/-0.006 χ^2/NDF: 4094871.0/51



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: 70.347+/-48.379 χ^2/NDF:8.9/7

Left: -36.157+/-34.544 χ^2/NDF: 26.9/16

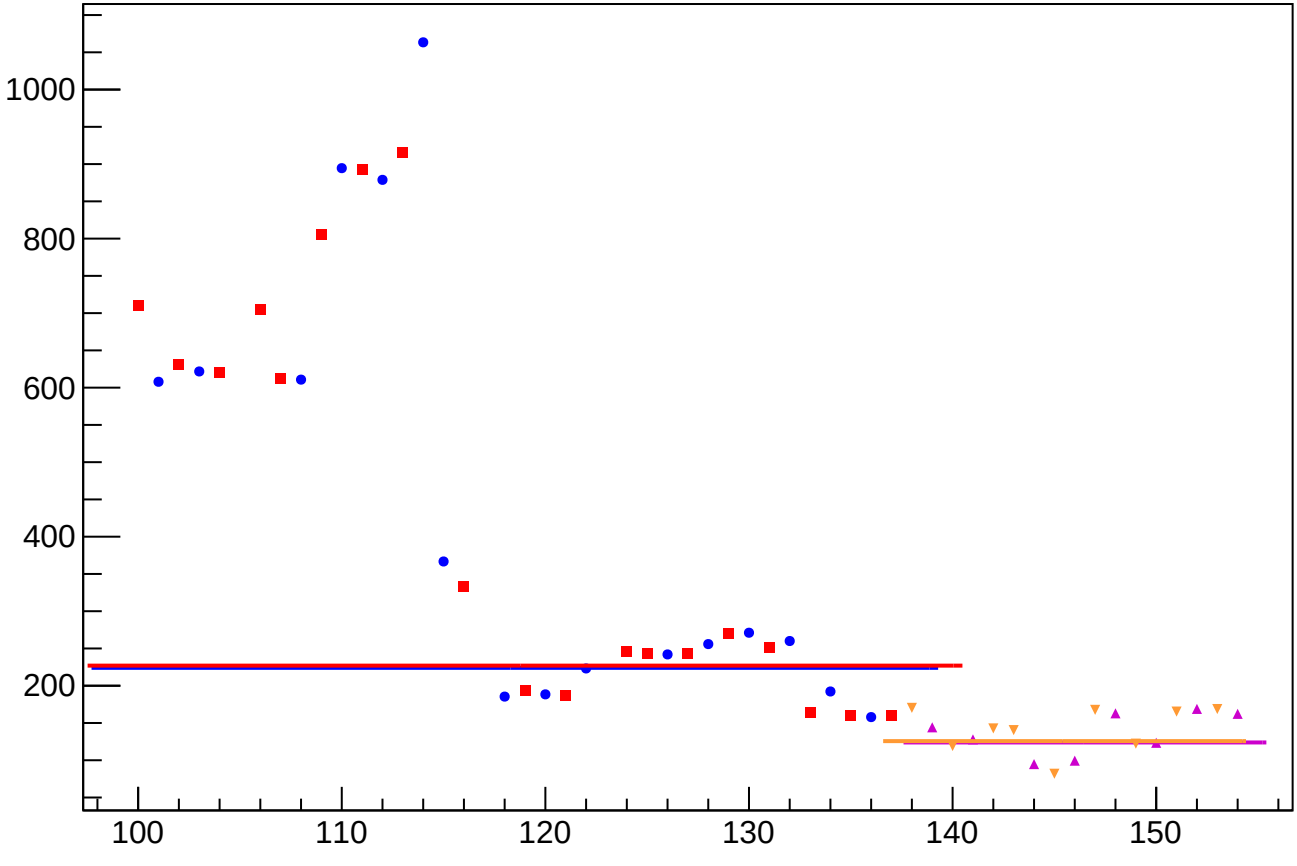
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 63.170+/-42.974 χ^2/NDF:20.4/23

Out: -90.555+/-43.871 χ^2/NDF:29.9/27

All: -12.104+/-30.699 χ^2/NDF: 56.6/51

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: 123.875+/-0.034 χ^2/NDF:611901.0/7

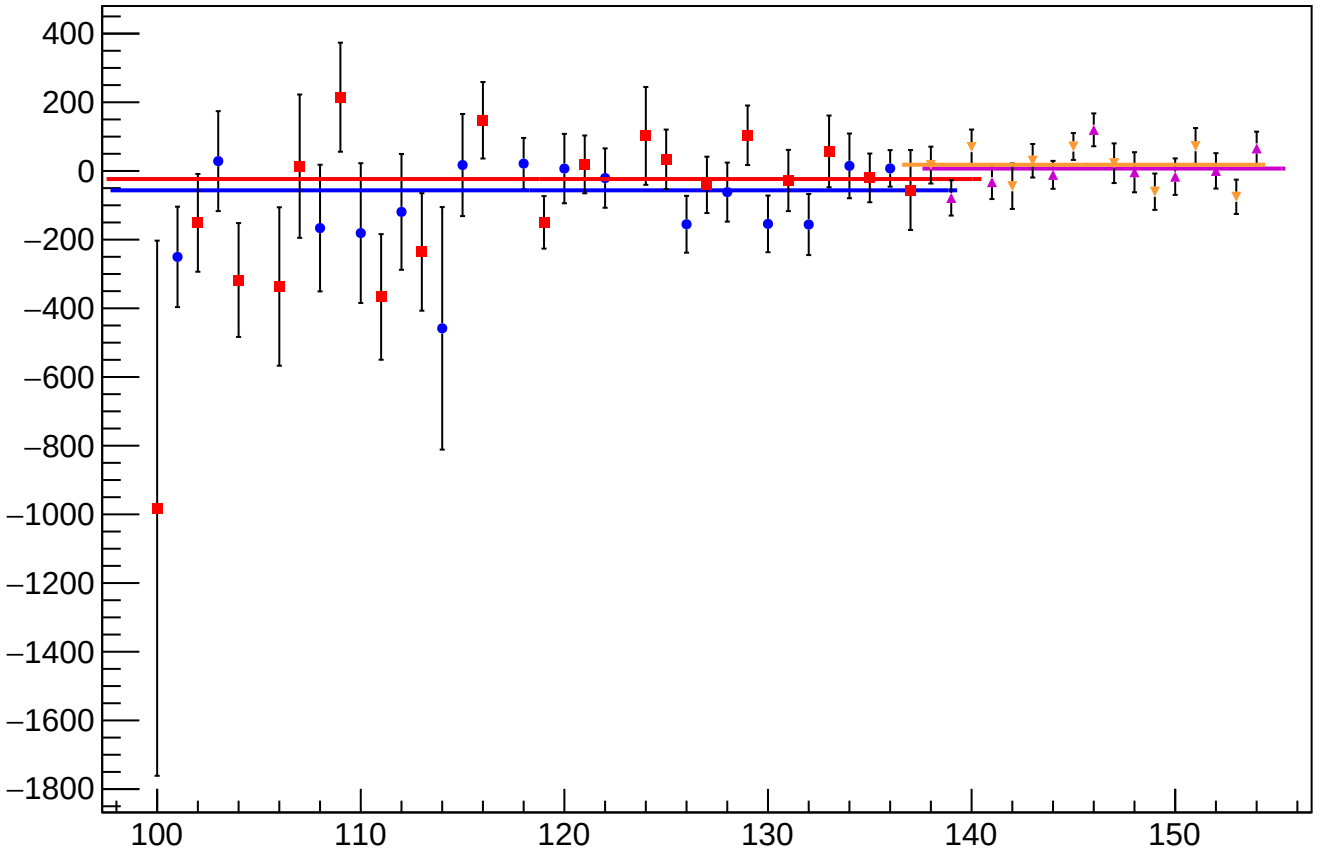
Left: 124.750+/-0.024 χ^2/NDF: 1514994.2/16

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 145.006+/-0.030 χ^2/NDF:5388668.4/23

Out: 146.878+/-0.031 χ^2/NDF:6239565.3/27

All: 145.923+/-0.022 χ^2/NDF: 11630092.4/51



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: 7.051+/-17.472 χ^2/NDF:10.9/7

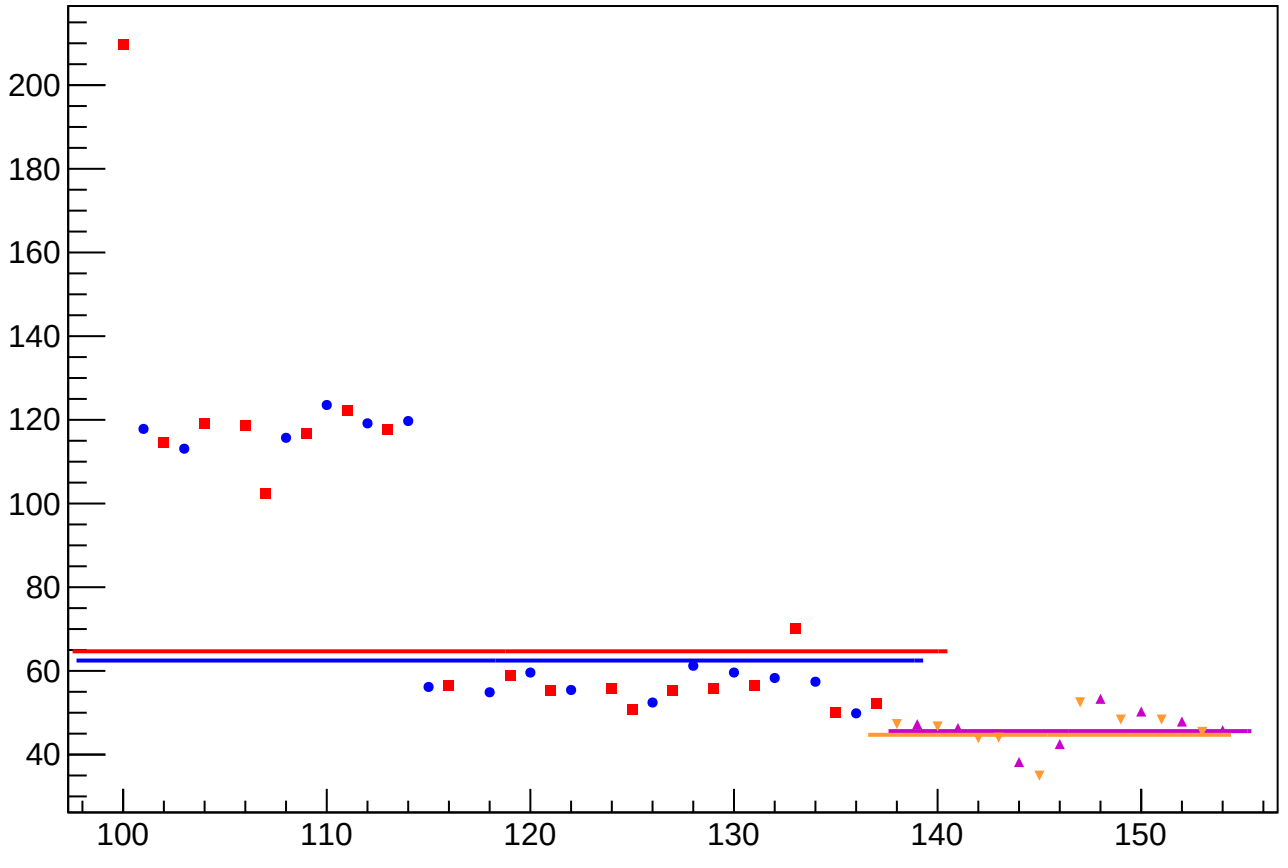
Left: 12.751+/-12.193 χ^2/NDF: 21.6/16

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -14.357+/-14.223 χ^2/NDF:27.6/23

Out: 5.080+/-14.100 χ^2/NDF:36.5/27

All: -4.554+/-10.014 χ^2/NDF: 65.0/51



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: 45.606+/-0.012 χ^2/NDF:131420.2/7

Left: 45.153+/-0.009 χ^2/NDF: 322813.0/16

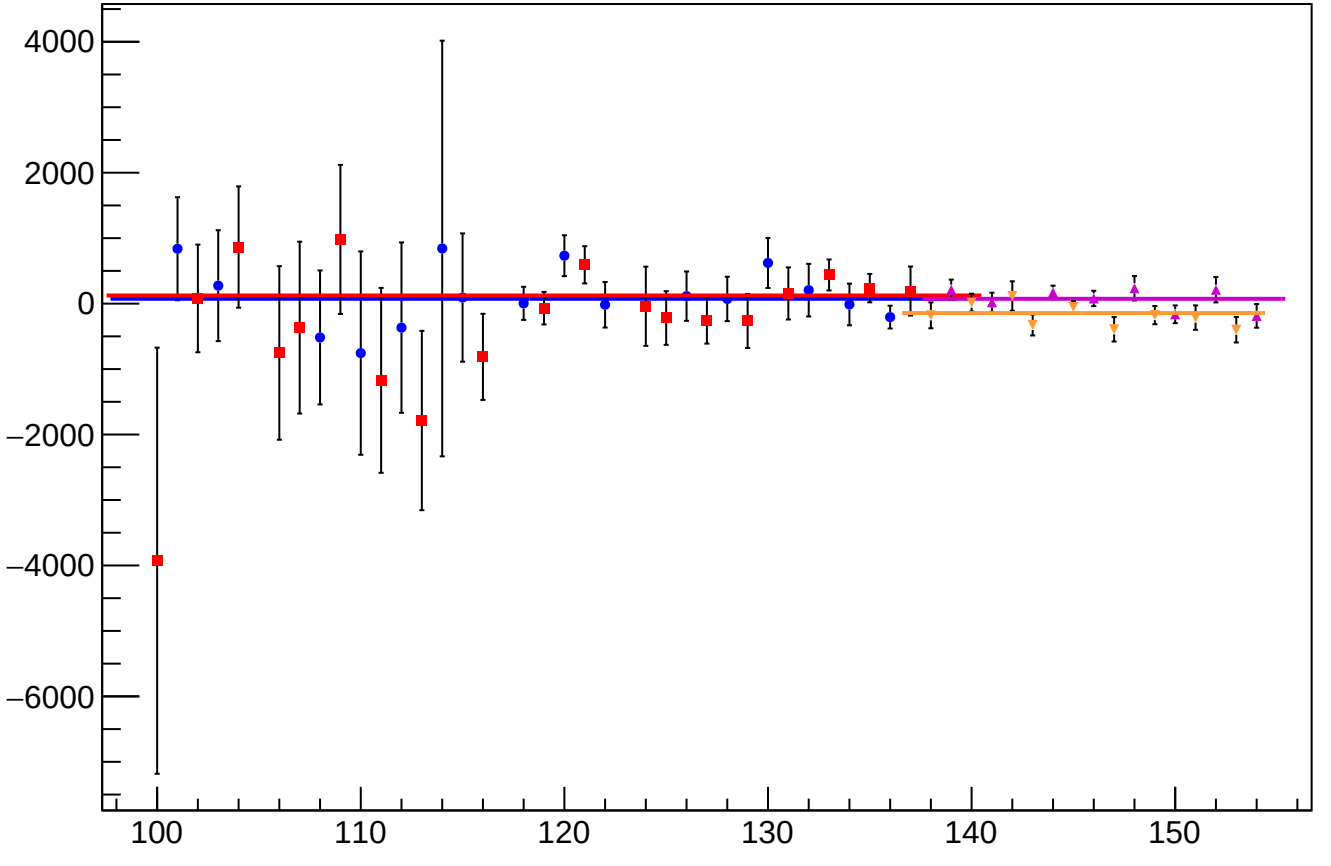
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 51.296+/-0.010 χ^2/NDF:2108474.1/23

Out: 50.991+/-0.010 χ^2/NDF:2642300.6/27

All: 51.142+/-0.007 χ^2/NDF: 4751237.4/51

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -144.533+/-50.204 χ^2/NDF:8.8/8

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 73.509+/-50.454 χ^2/NDF:8.2/7

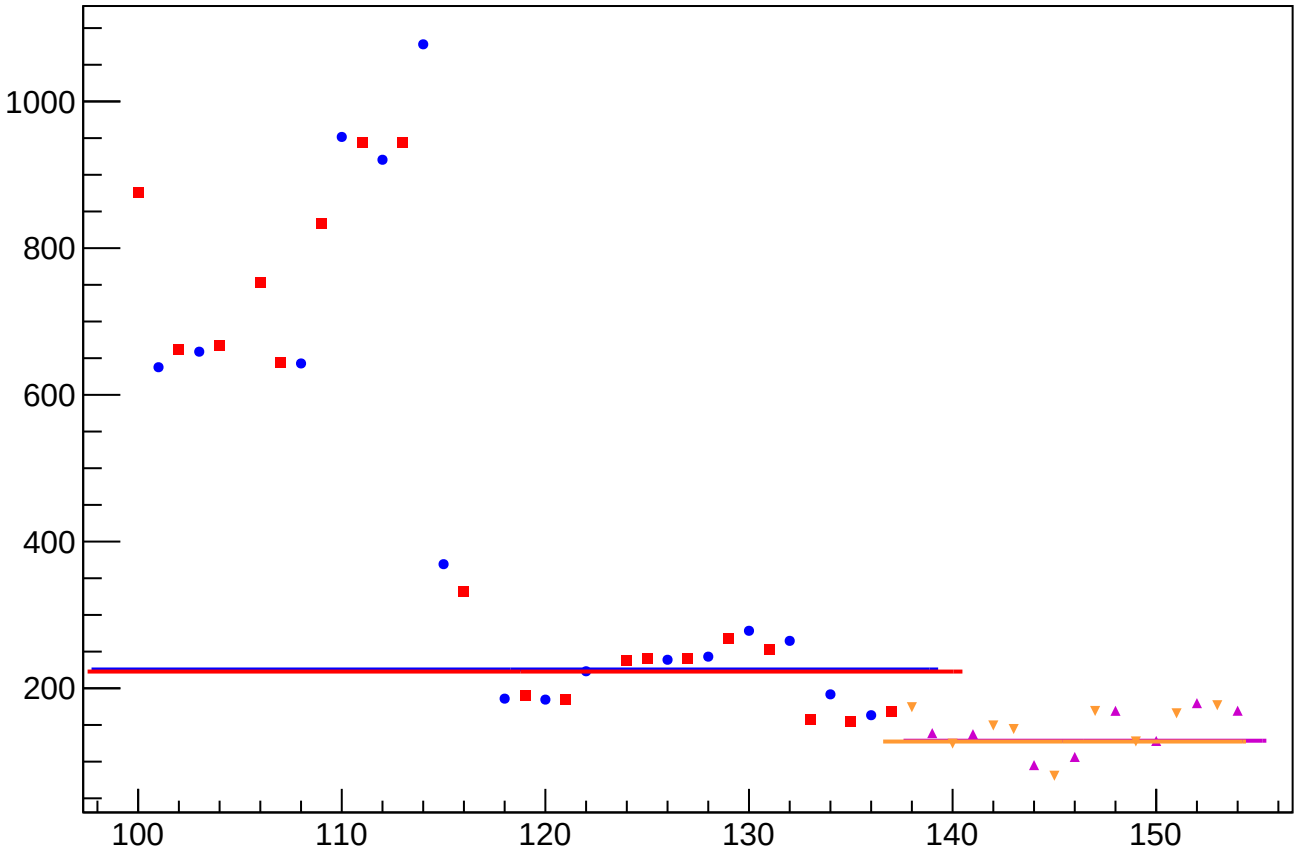
Left: -36.054+/-35.588 χ^2/NDF: 26.3/16

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 73.683+/-44.507 χ^2/NDF:19.4/23

Out: -85.543+/-44.353 χ^2/NDF:31.4/27

All: -6.206+/-31.417 χ^2/NDF: 57.2/51



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: 128.515+/-0.036 χ^2/NDF:627278.7/7

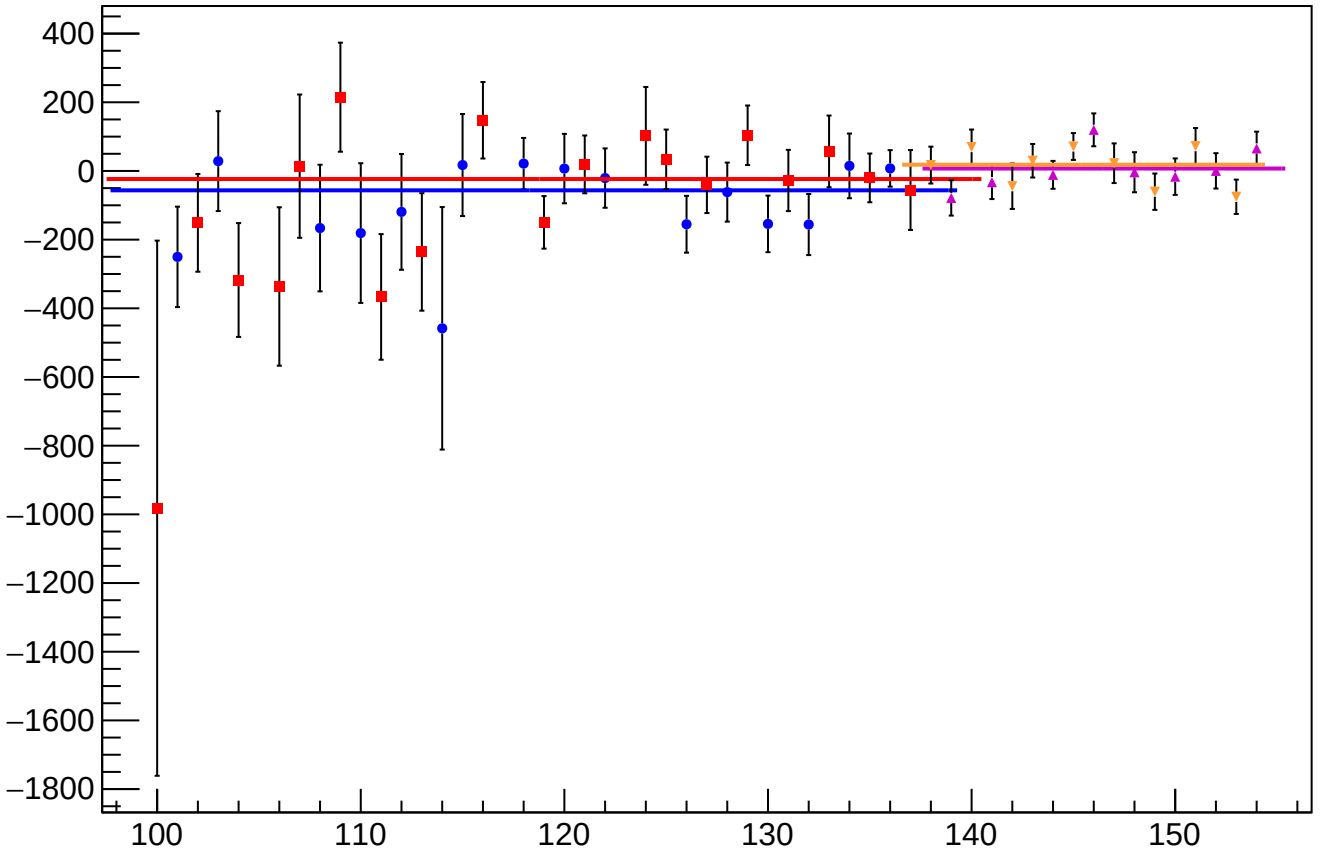
Left: 127.954+/-0.025 χ^2/NDF: 1632309.7/16

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 150.057+/-0.031 χ^2/NDF:5296628.1/23

Out: 148.336+/-0.031 χ^2/NDF:6437612.0/27

All: 149.194+/-0.022 χ^2/NDF: 11735739.7/51



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: 7.052+/-17.472 χ^2/NDF:10.9/7

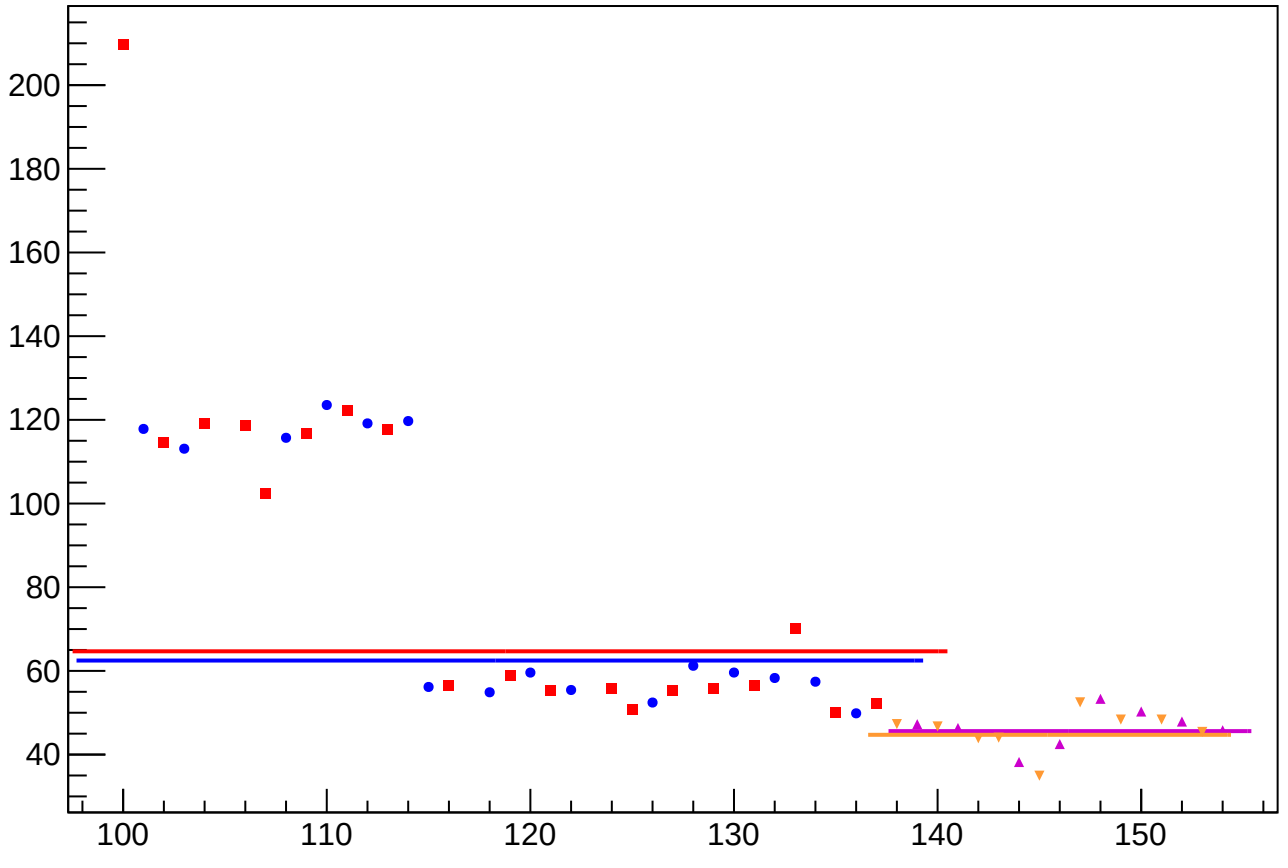
Left: 12.752+/-12.193 χ^2/NDF: 21.6/16

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -14.357+/-14.223 χ^2/NDF:27.6/23

Out: 5.079+/-14.100 χ^2/NDF:36.5/27

All: -4.555+/-10.014 χ^2/NDF: 65.0/51



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: 45.606+/-0.012 χ^2/NDF:131420.2/7

Left: 45.153+/-0.009 χ^2/NDF: 322815.9/16

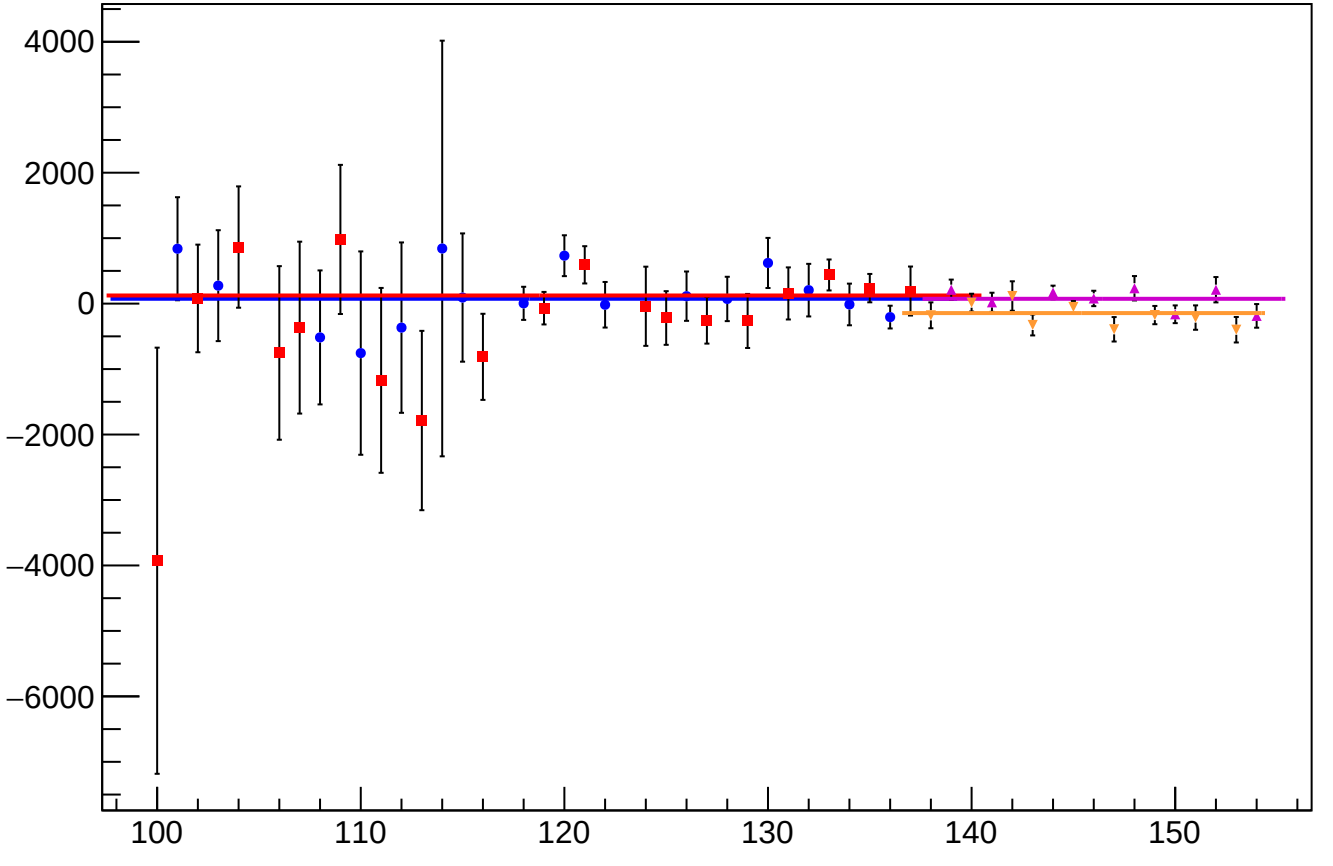
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 51.296+/-0.010 χ^2/NDF:2108417.8/23

Out: 50.991+/-0.010 χ^2/NDF:2642257.1/27

All: 51.142+/-0.007 χ^2/NDF: 4751137.4/51

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: 73.509+/-50.454 χ^2/NDF:8.2/7

Left: -36.054+/-35.588 χ^2/NDF: 26.3/16

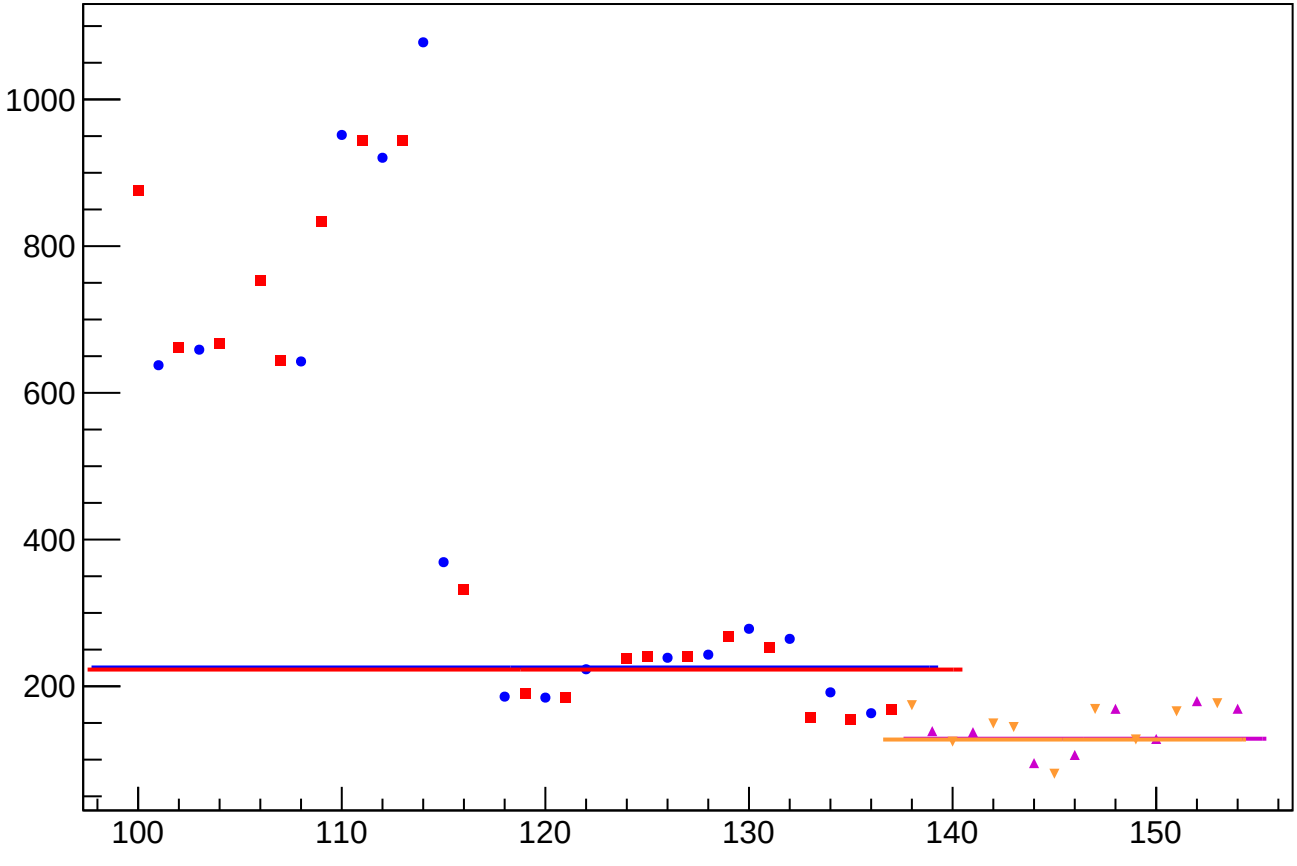
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 73.683+/-44.507 χ^2/NDF:19.4/23

Out: -85.543+/-44.353 χ^2/NDF:31.4/27

All: -6.206+/-31.417 χ^2/NDF: 57.2/51

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: 128.516+/-0.036 χ^2/NDF:627278.8/7

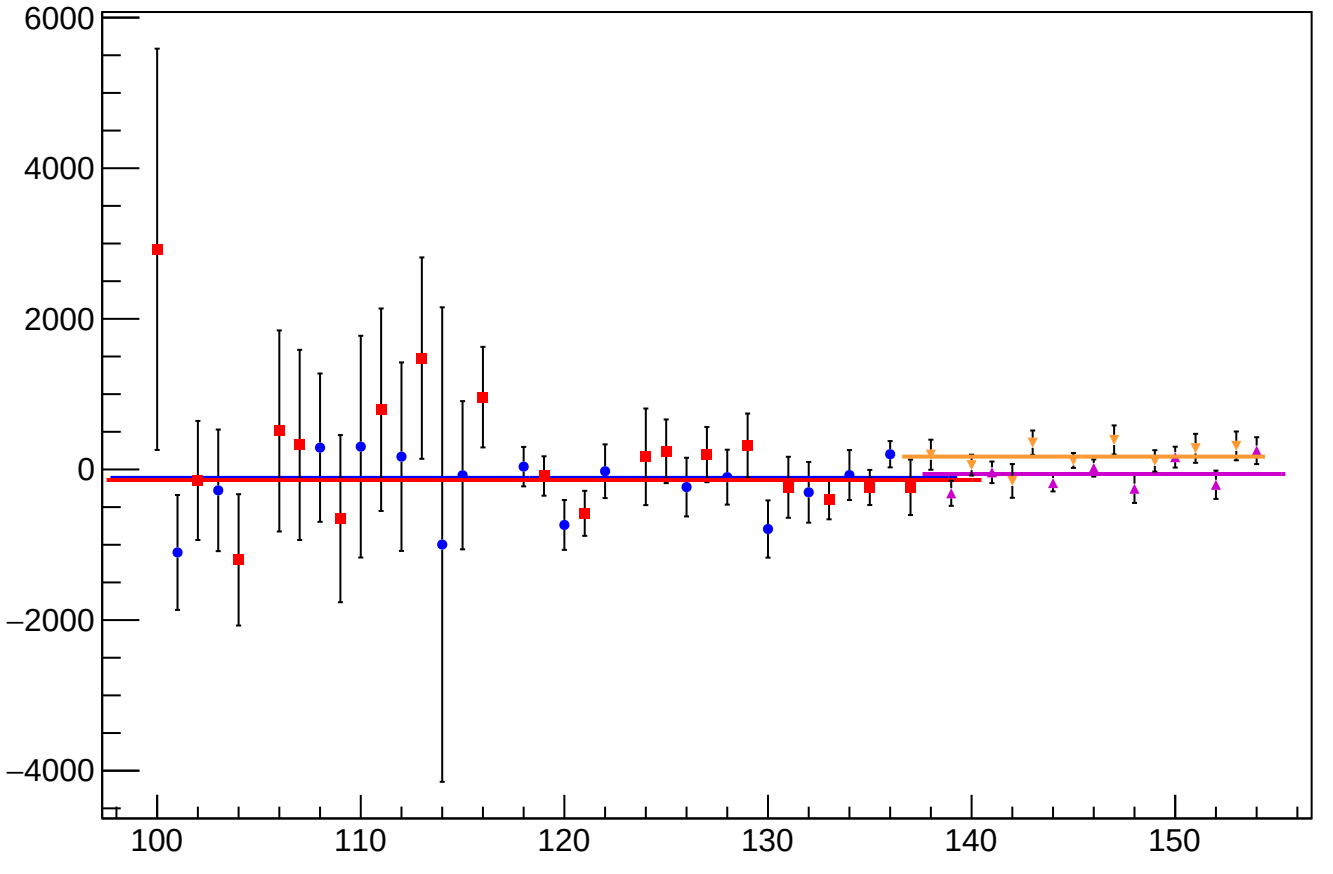
Left: 127.954+/-0.025 χ^2/NDF: 1632311.1/16

Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 150.057+/-0.031 χ^2/NDF:5296607.1/23

Out: 148.337+/-0.031 χ^2/NDF:6437588.4/27

All: 149.194+/-0.022 χ^2/NDF: 11735694.5/51



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: -60.219+/-51.082 χ^2/NDF:11.3/7

Left: 53.072+/-36.465 χ^2/NDF: 28.1/16

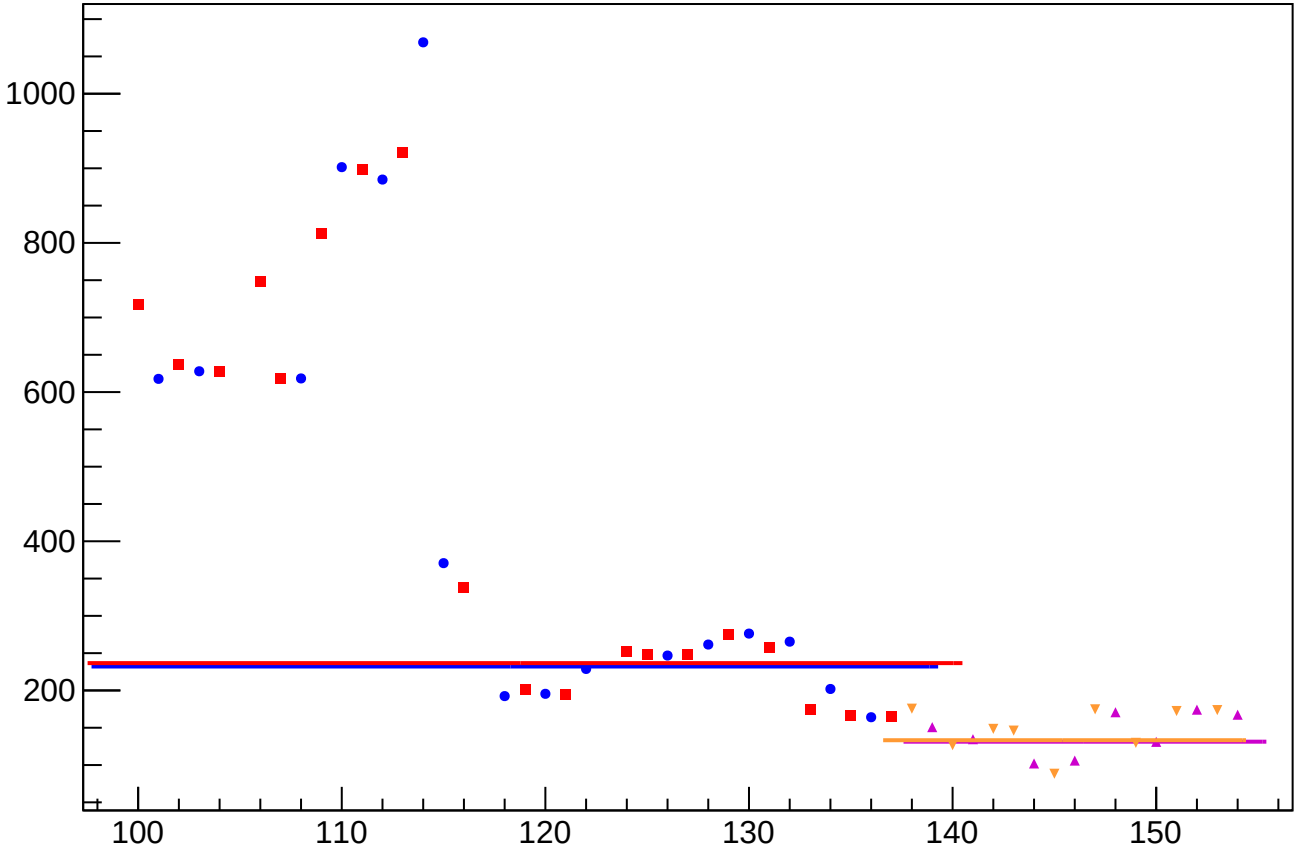
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -71.525+/-45.152 χ^2/NDF:24.4/23

Out: 103.639+/-46.104 χ^2/NDF:29.0/27

All: 14.230+/-32.258 χ^2/NDF: 60.8/51

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: 131.318+/-0.036 χ^2/NDF:540586.0/7

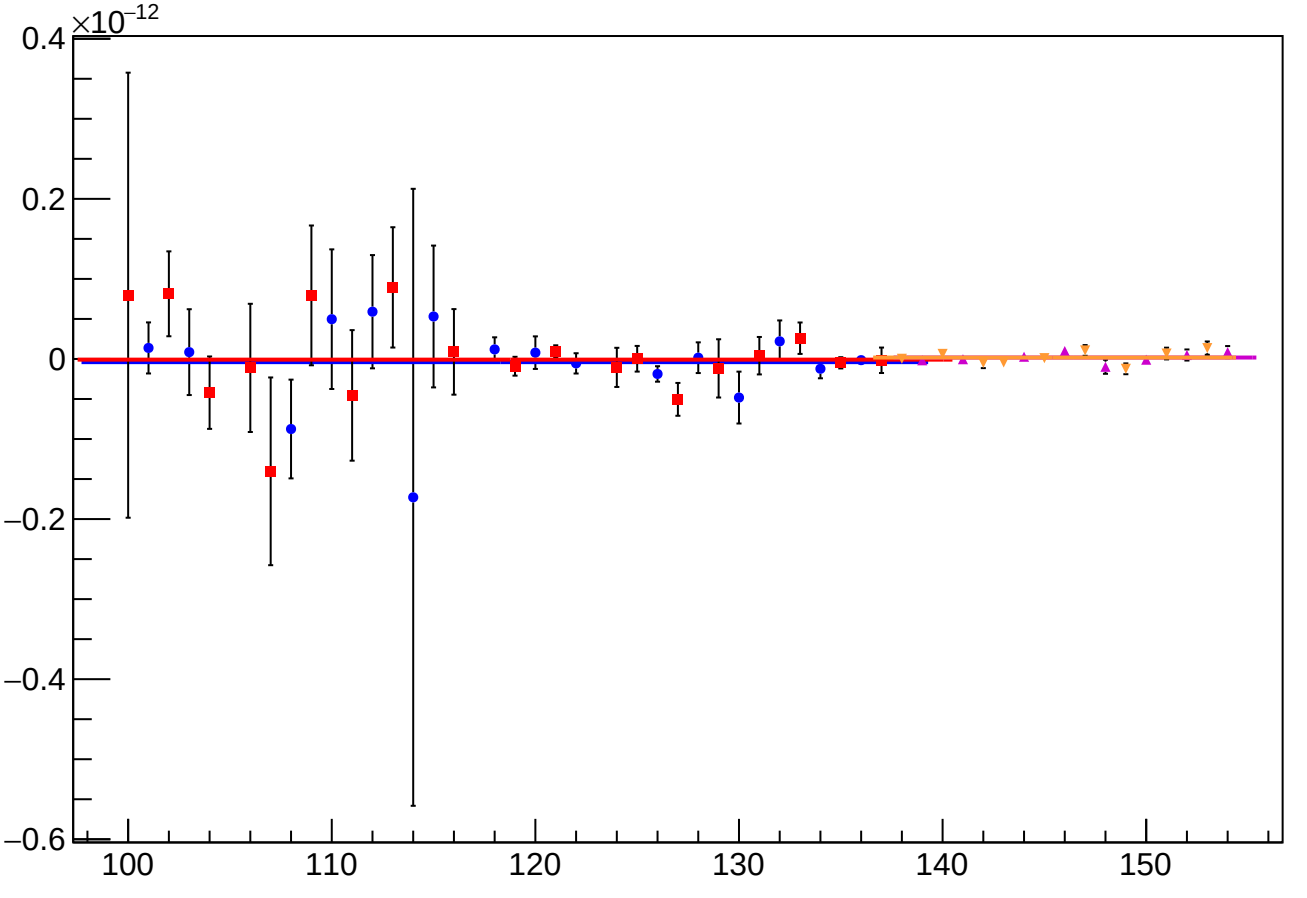
Left: 132.272+/-0.026 χ^2/NDF: 1338409.3/16

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 153.360+/-0.032 χ^2/NDF:5128911.9/23

Out: 155.607+/-0.033 χ^2/NDF:6021084.7/27

All: 154.460+/-0.023 χ^2/NDF: 11152421.6/51



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:5.7/7

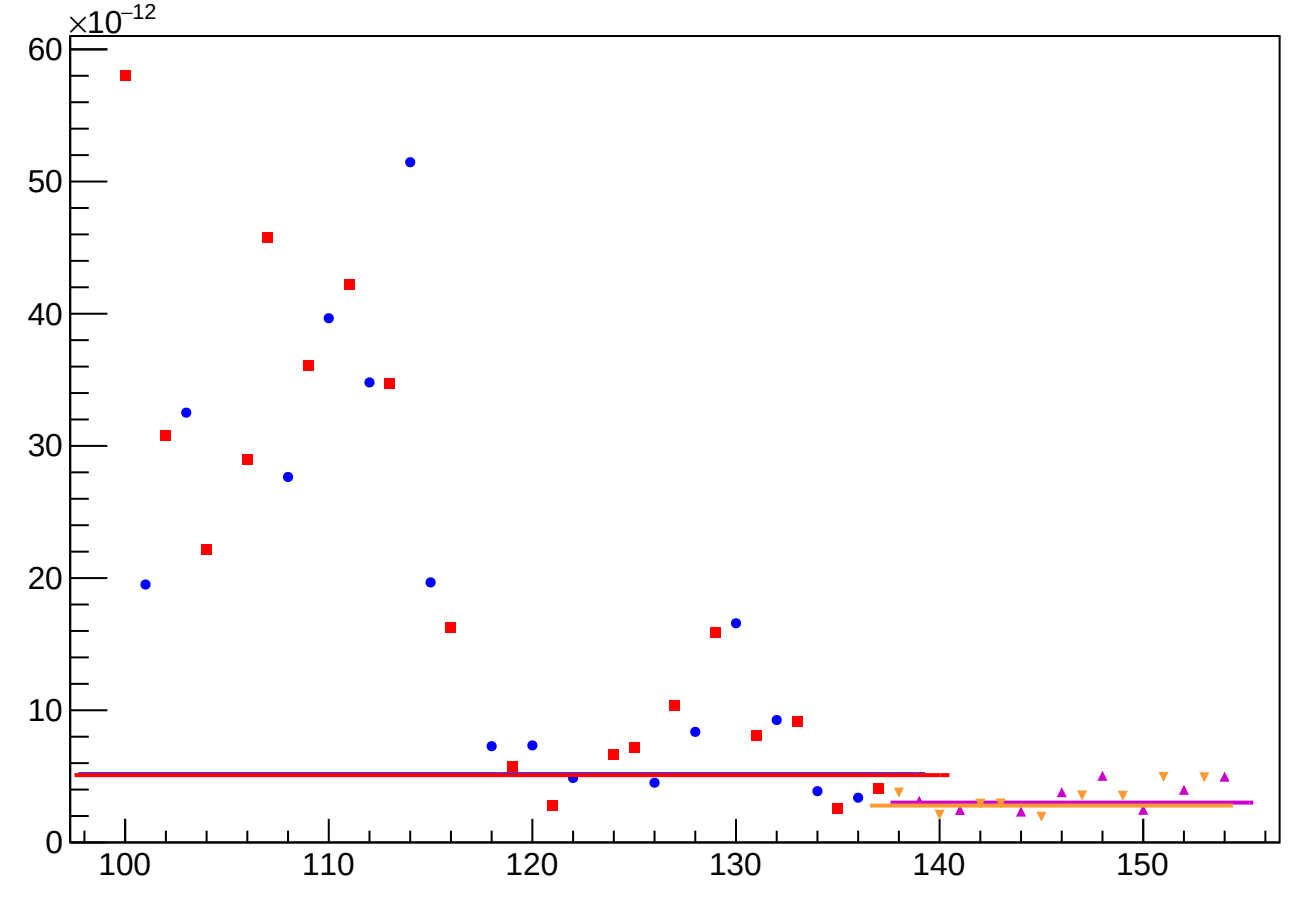
Left: 0.000+/-0.000 χ^2/NDF: 18.5/16

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:19.1/23

Out: 0.000+/-0.000 χ^2/NDF:31.3/27

All: 0.000+/-0.000 χ^2/NDF: 50.5/51



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:453724.3/7

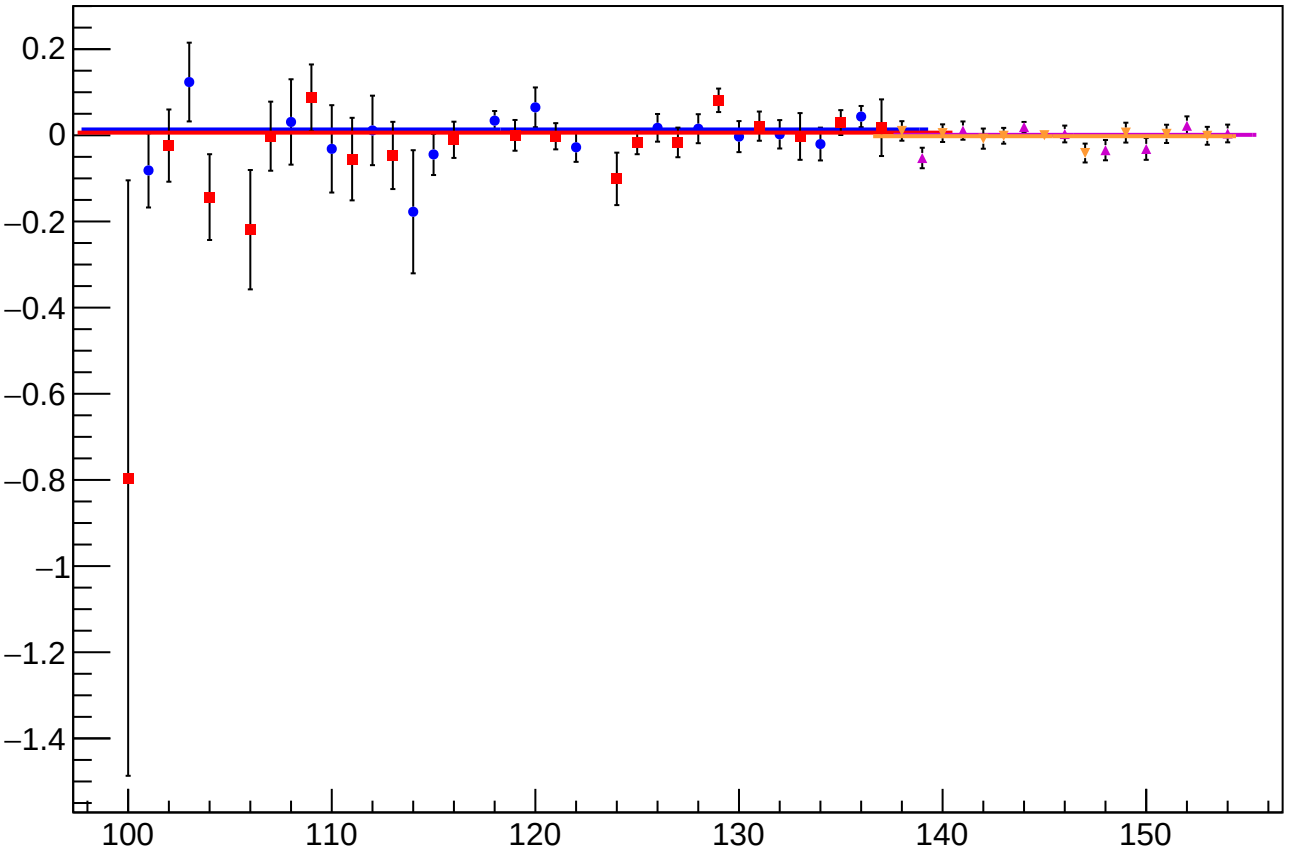
Left: 0.000+/-0.000 χ^2/NDF: 1096434.5/16

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3620904.9/23

Out: 0.000+/-0.000 χ^2/NDF:4436564.4/27

All: 0.000+/-0.000 χ^2/NDF: 8090746.5/51



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:12.6/7

Left: -0.001+/-0.005 χ^2/NDF: 16.6/16

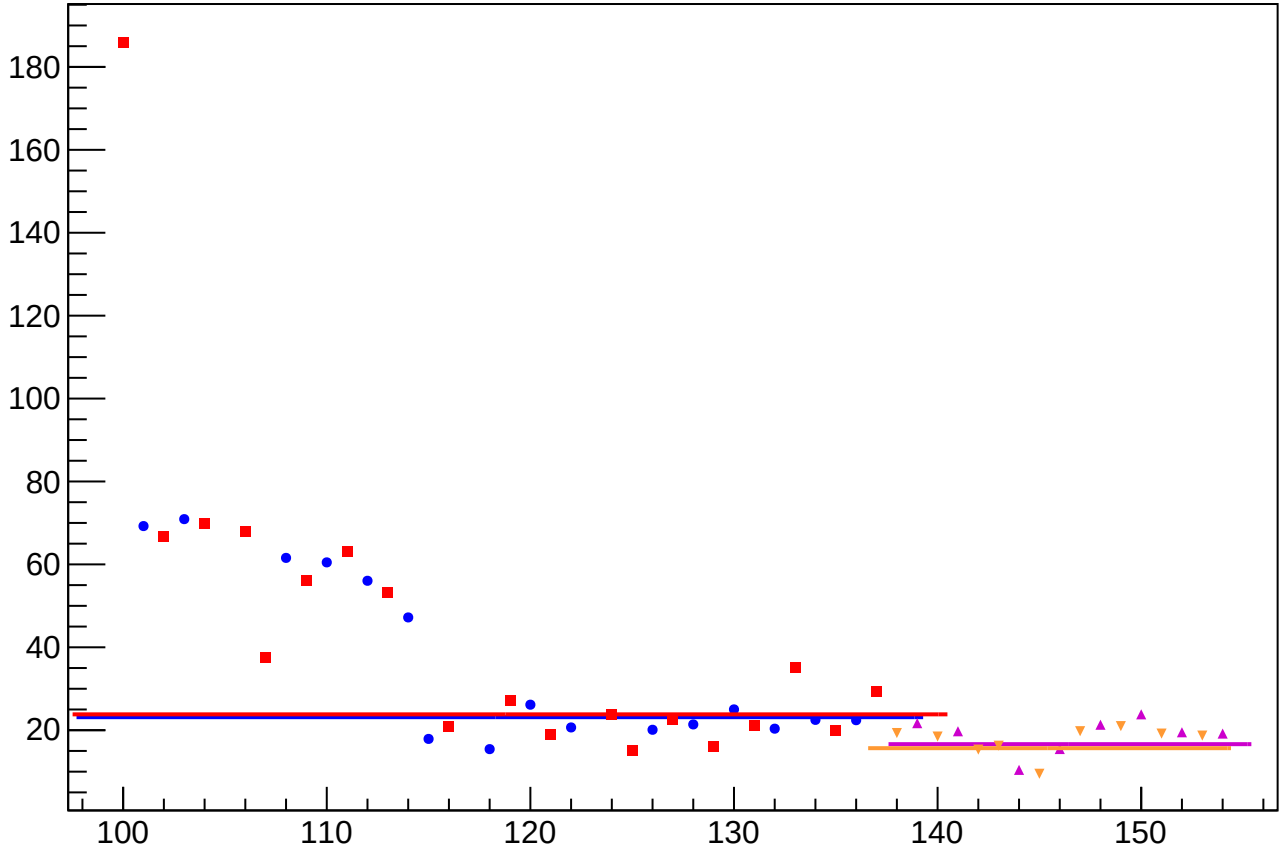
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/23

Out: 0.000+/-0.005 χ^2/NDF:25.8/27

All: 0.003+/-0.004 χ^2/NDF: 52.3/51

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: 16.634+/-0.005 χ^2/NDF:1000641.3/7

Left: 16.110+/-0.003 χ^2/NDF: 1984788.4/16

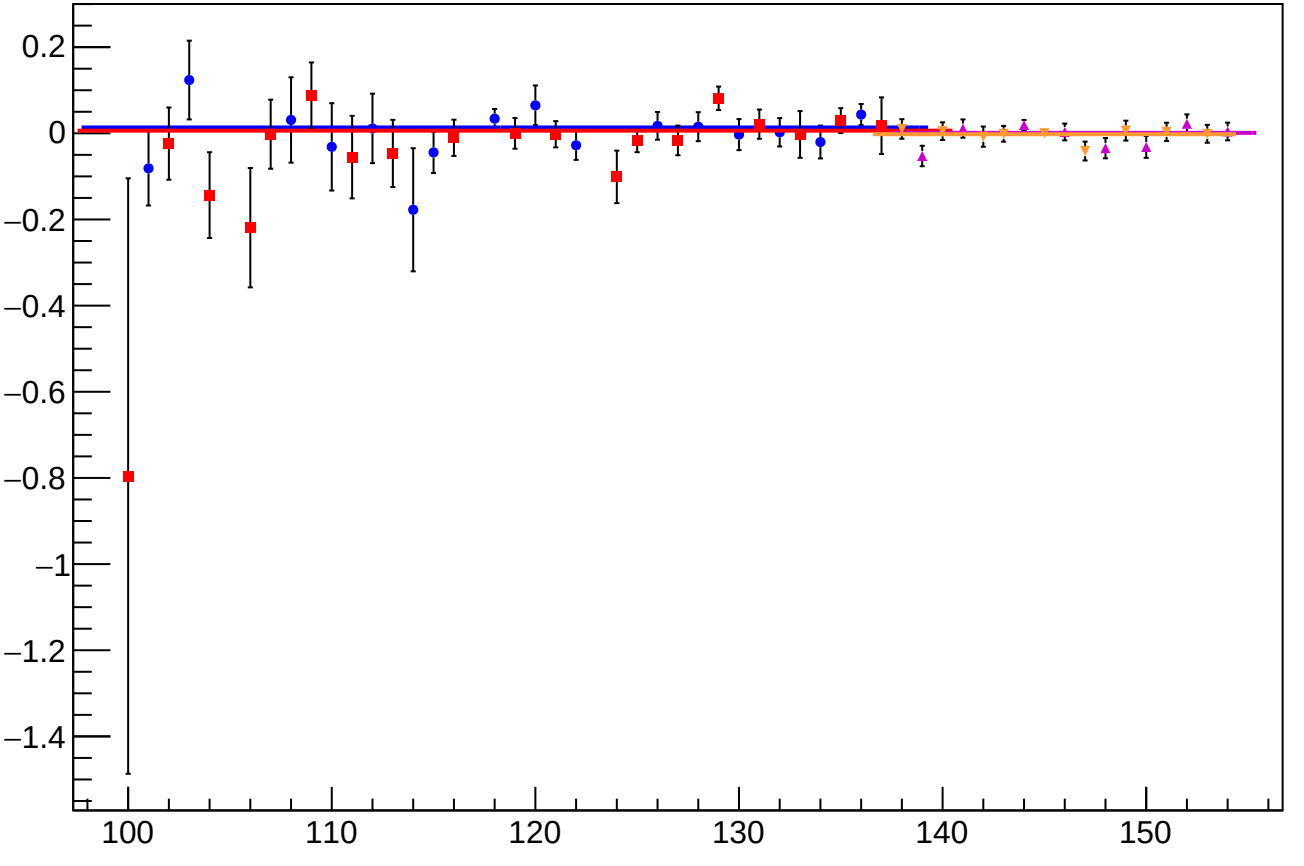
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.735+/-0.004 χ^2/NDF:3999448.2/23

Out: 17.944+/-0.004 χ^2/NDF:4807961.4/27

All: 18.320+/-0.003 χ^2/NDF: 8828382.9/51

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:12.6/7

Left: -0.001+/-0.005 χ^2/NDF: 16.6/16

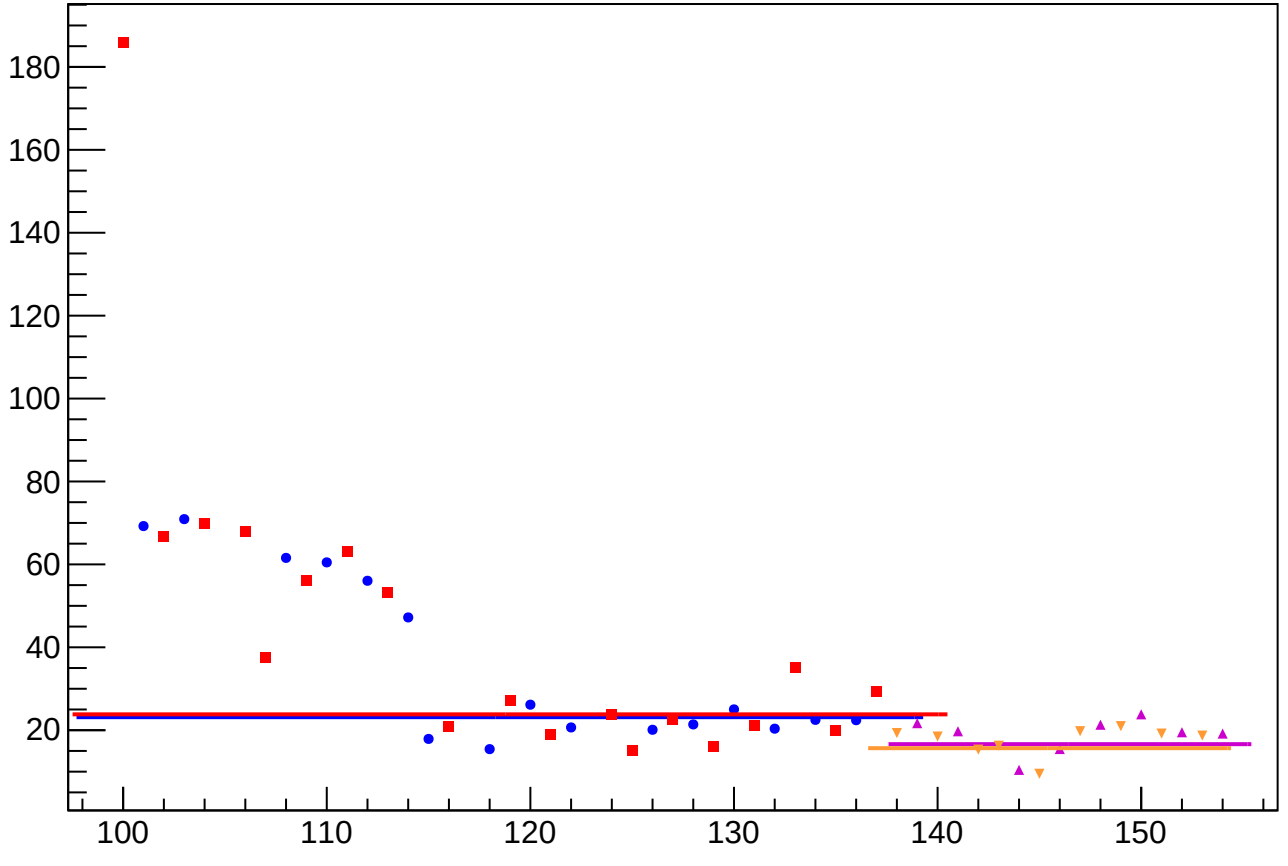
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/23

Out: 0.000+/-0.005 χ^2/NDF:25.8/27

All: 0.003+/-0.004 χ^2/NDF: 52.3/51

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: 16.634+/-0.005 χ^2/NDF:1000641.3/7

Left: 16.110+/-0.003 χ^2/NDF: 1984788.4/16

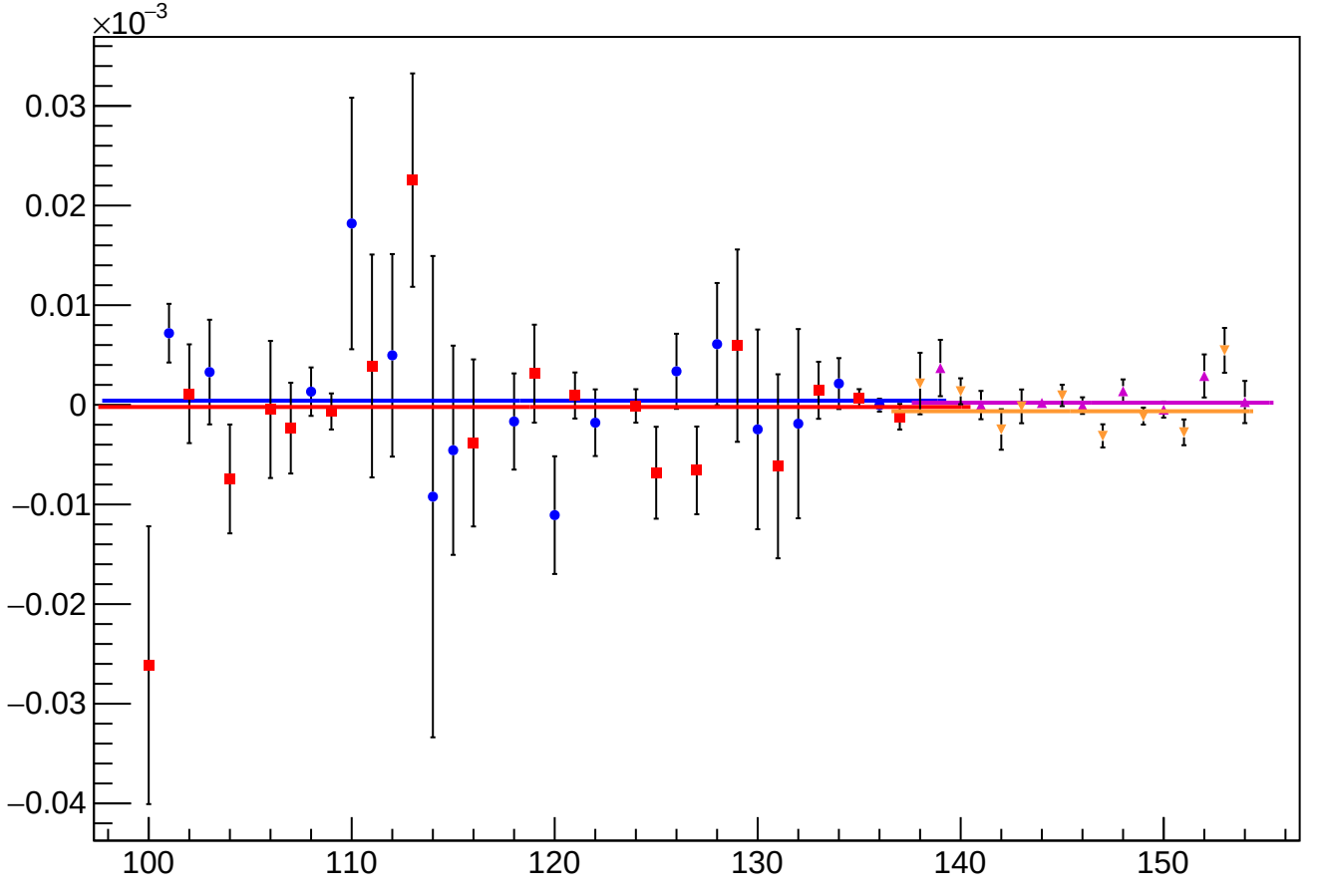
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.735+/-0.004 χ^2/NDF:3999448.2/23

Out: 17.944+/-0.004 χ^2/NDF:4807961.4/27

All: 18.320+/-0.003 χ^2/NDF: 8828382.9/51

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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:4.9/7

Left: 0.000+/-0.000 χ^2/NDF: 29.0/16

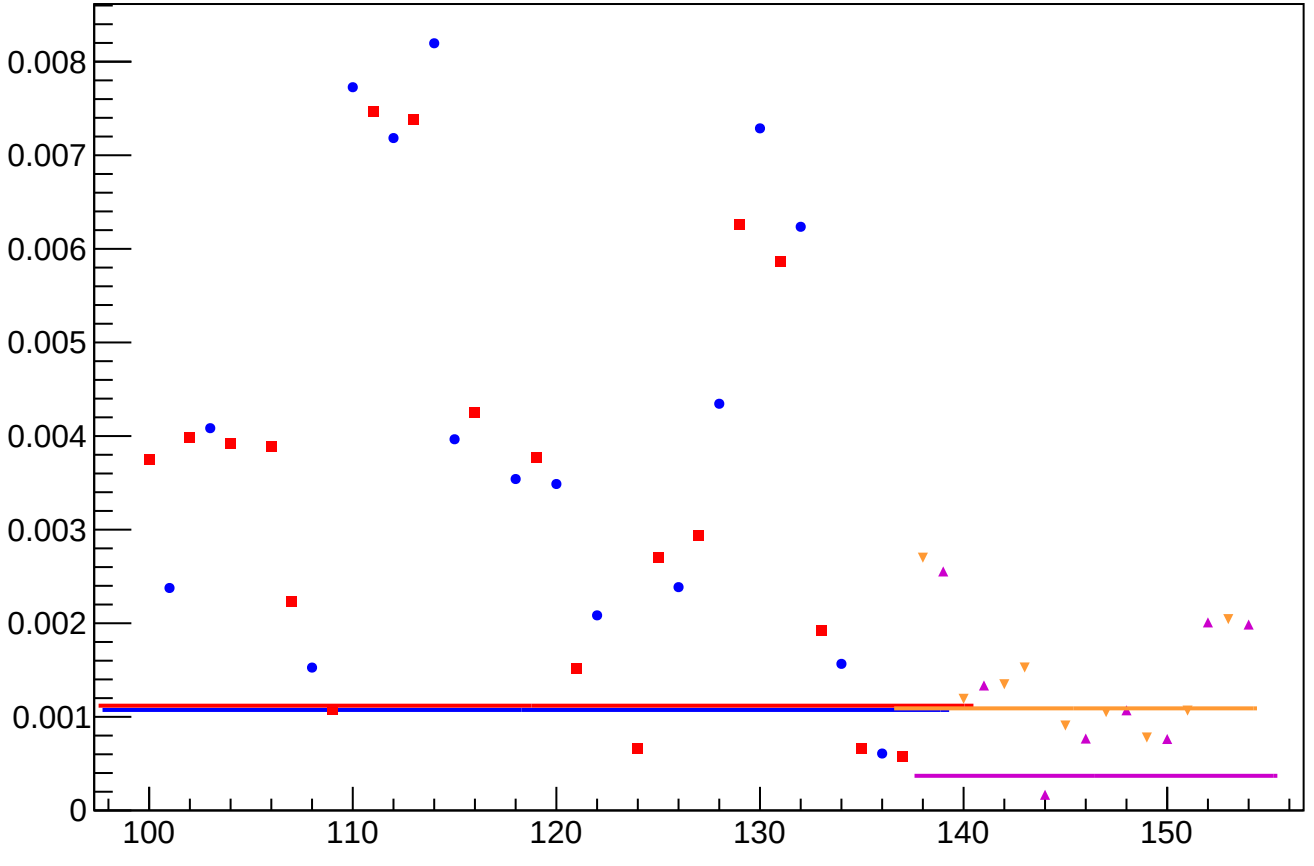
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:20.3/23

Out: -0.000+/-0.000 χ^2/NDF:39.4/27

All: 0.000+/-0.000 χ^2/NDF: 62.8/51

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:1406918.6/8

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7339633.3/7

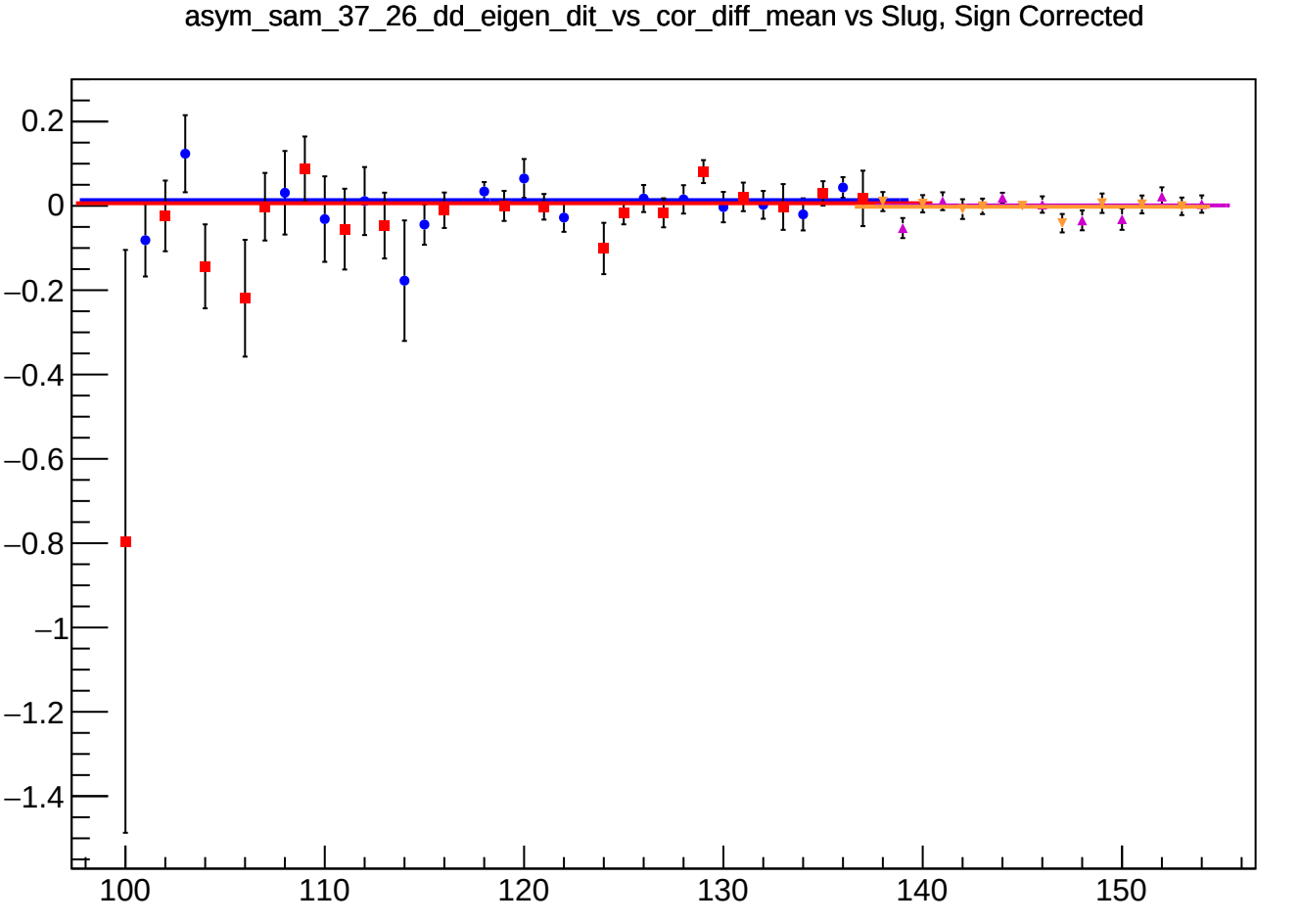
Left: 0.001+/-0.000 χ^2/NDF: 12951838.1/16

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:17102549.2/23

Out: 0.001+/-0.000 χ^2/NDF:8206408.5/27

All: 0.001+/-0.000 χ^2/NDF: 30206555.1/51



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:12.6/7

Left: -0.001+/-0.005 χ^2/NDF: 16.6/16

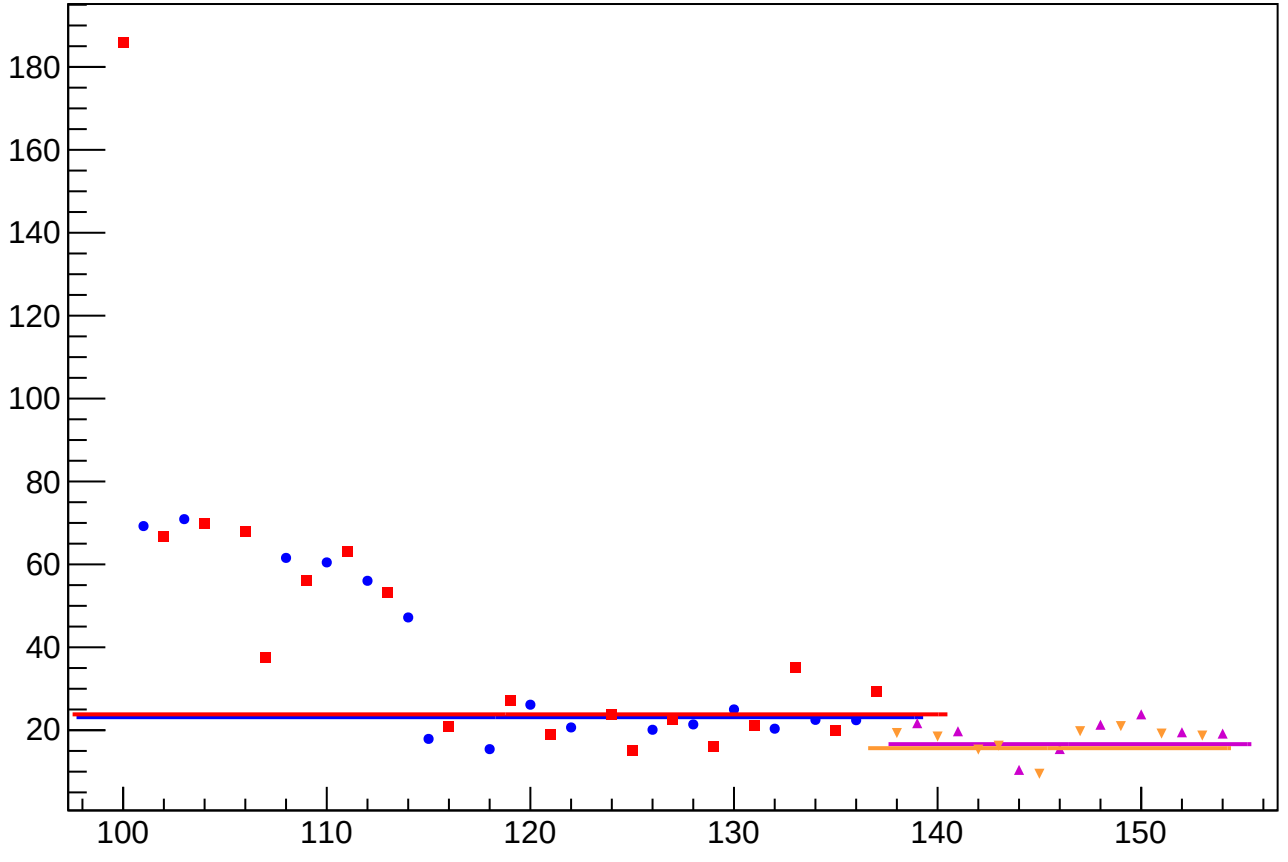
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/23

Out: 0.000+/-0.005 χ^2/NDF:25.8/27

All: 0.003+/-0.004 χ^2/NDF: 52.3/51

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: 16.634+/-0.005 χ^2/NDF:1000608.9/7

Left: 16.110+/-0.003 χ^2/NDF: 1984841.2/16

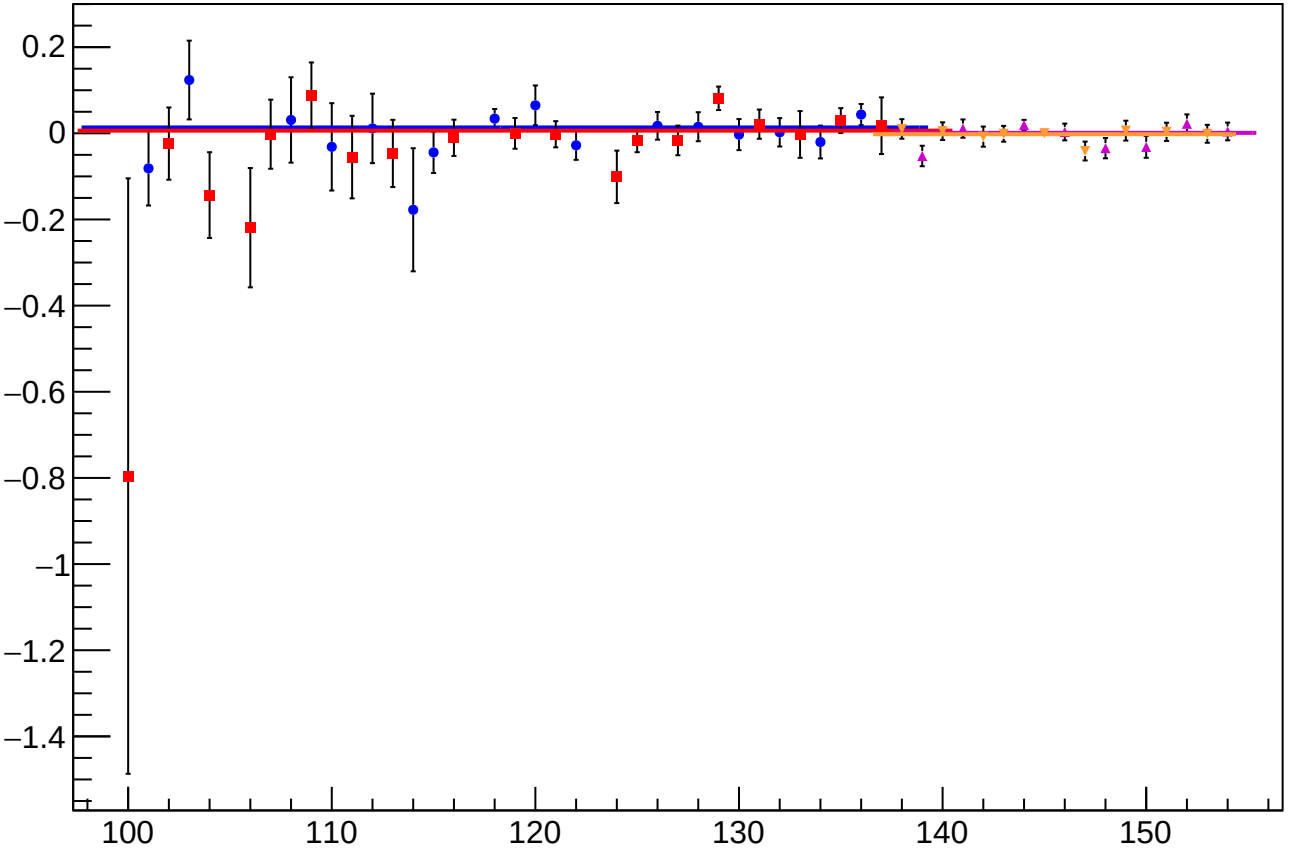
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.735+/-0.004 χ^2/NDF:3999215.2/23

Out: 17.944+/-0.004 χ^2/NDF:4807868.0/27

All: 18.320+/-0.003 χ^2/NDF: 8828049.4/51

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:12.6/7

Left: -0.001+/-0.005 χ^2/NDF: 16.6/16

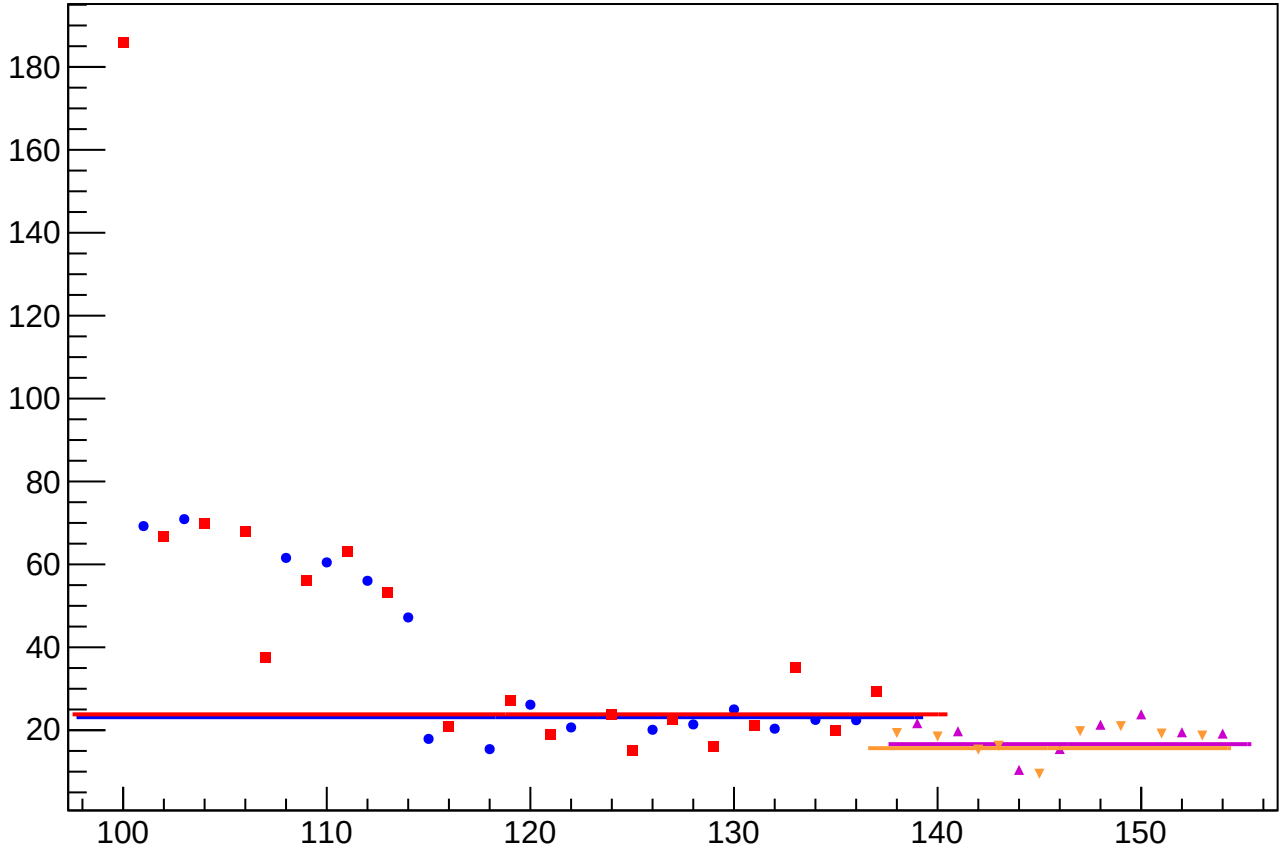
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/23

Out: 0.000+/-0.005 χ^2/NDF:25.8/27

All: 0.003+/-0.004 χ^2/NDF: 52.3/51

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: 16.634+/-0.005 χ^2/NDF:1000608.9/7

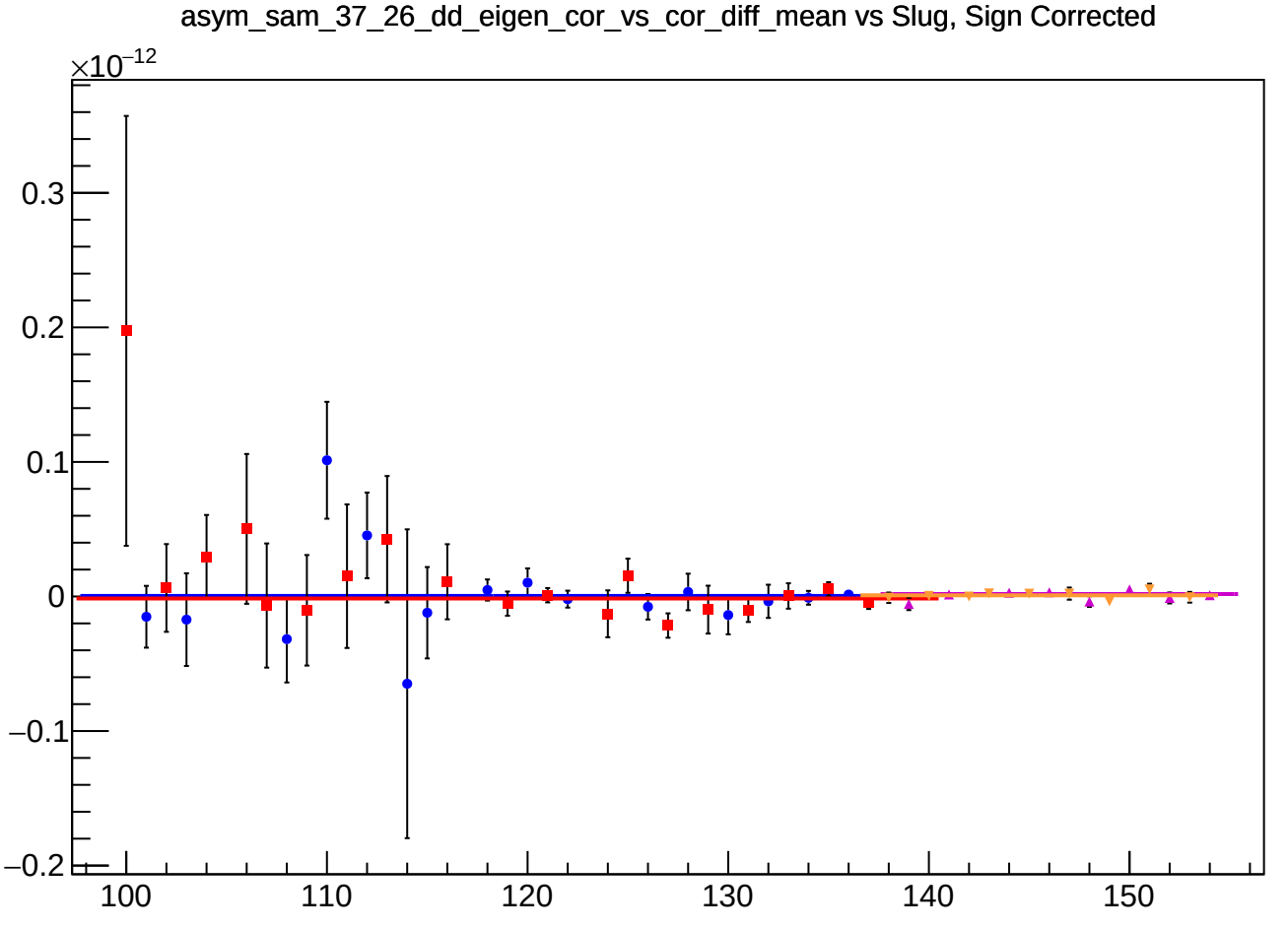
Left: 16.110+/-0.003 χ^2/NDF: 1984841.2/16

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.735+/-0.004 χ^2/NDF:3999215.2/23

Out: 17.944+/-0.004 χ^2/NDF:4807868.0/27

All: 18.320+/-0.003 χ^2/NDF: 8828049.4/51



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:7.4/7

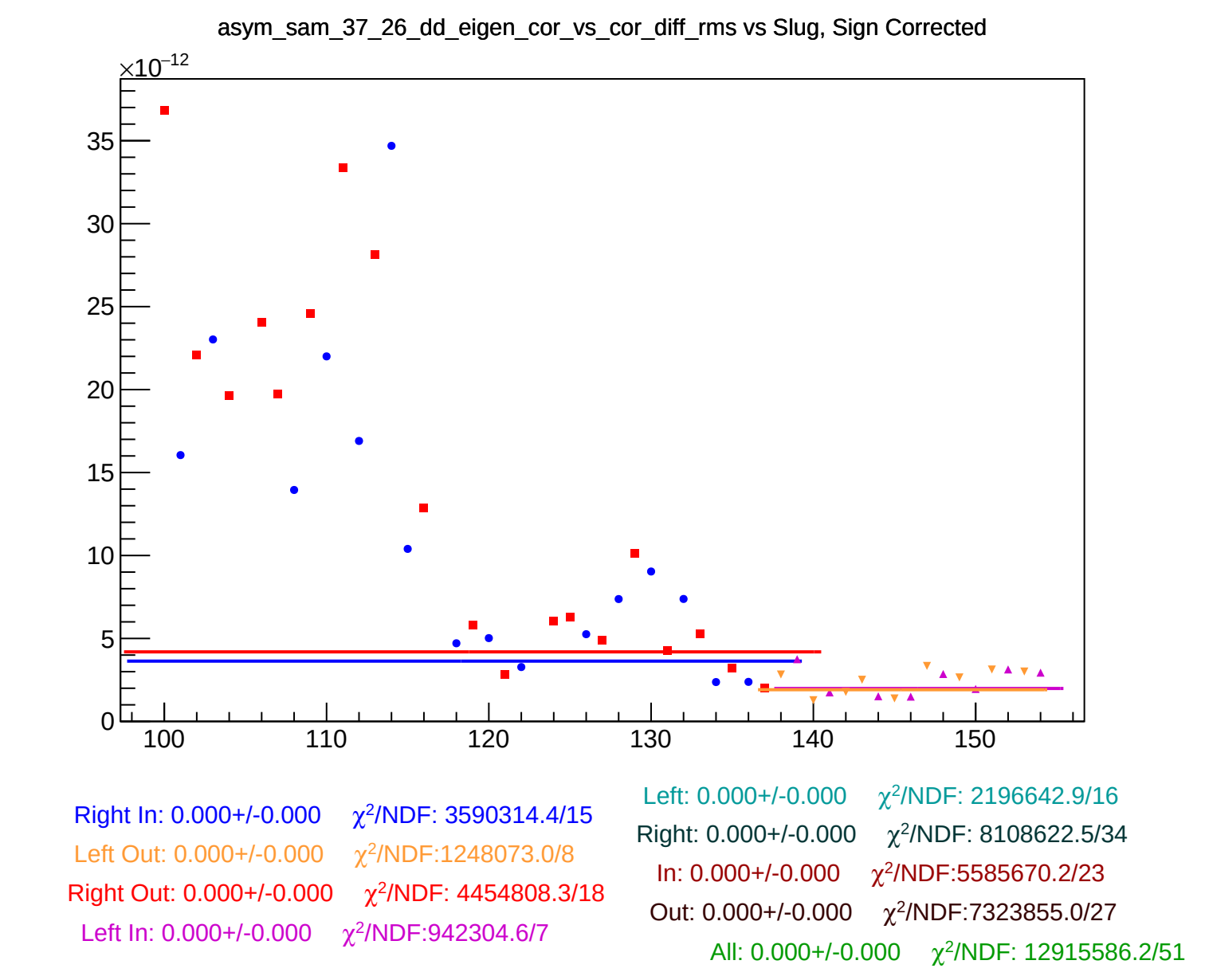
Left: 0.000+/-0.000 χ^2/NDF: 11.9/16

Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

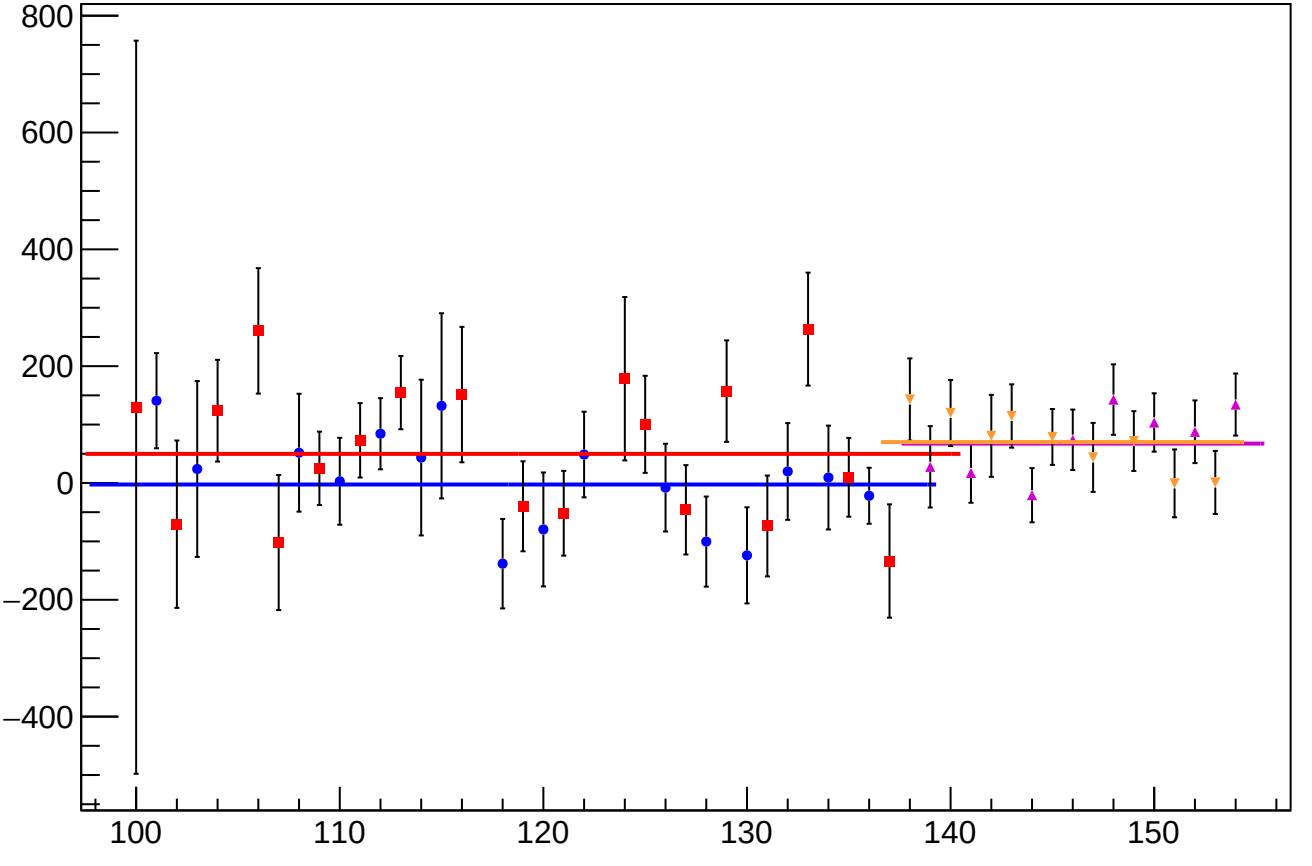
In: 0.000+/-0.000 χ^2/NDF:20.7/23

Out: 0.000+/-0.000 χ^2/NDF:20.4/27

All: 0.000+/-0.000 χ^2/NDF: 41.8/51


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:942304.6/7
Left: 0.000+/-0.000 χ²/NDF: 2196642.9/16
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5585670.2/23
Out: 0.000+/-0.000 χ²/NDF:7323855.0/27
All: 0.000+/-0.000 χ²/NDF: 12915586.2/51

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



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: 67.430+/-18.889 χ^2/NDF:8.7/7

Left: 68.738+/-13.357 χ^2/NDF: 14.6/16

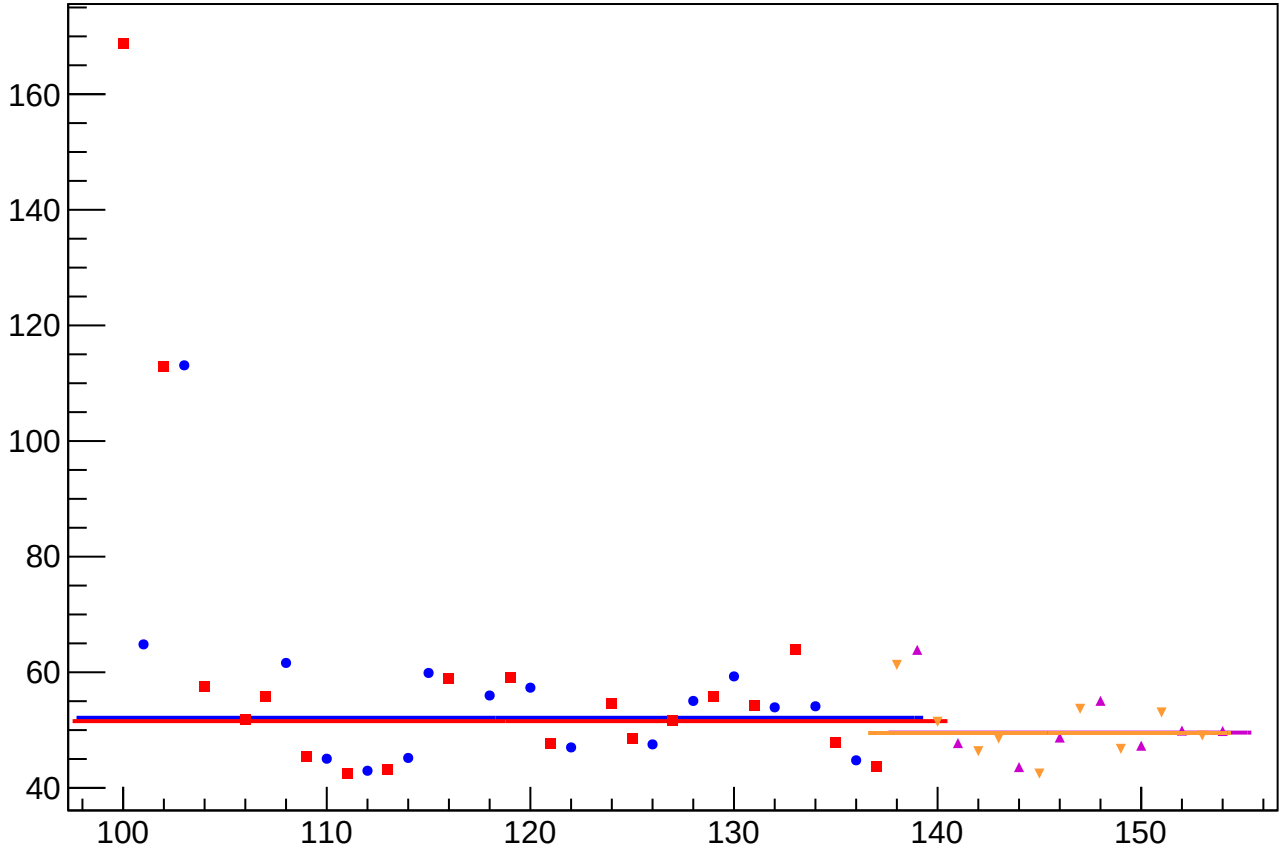
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 34.397+/-13.731 χ^2/NDF:29.8/23

Out: 60.312+/-13.608 χ^2/NDF:35.8/27

All: 47.471+/-9.666 χ^2/NDF: 67.4/51

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: 49.566+/-0.013 χ^2/NDF:141352.8/7

Left: 49.531+/-0.009 χ^2/NDF: 270931.9/16

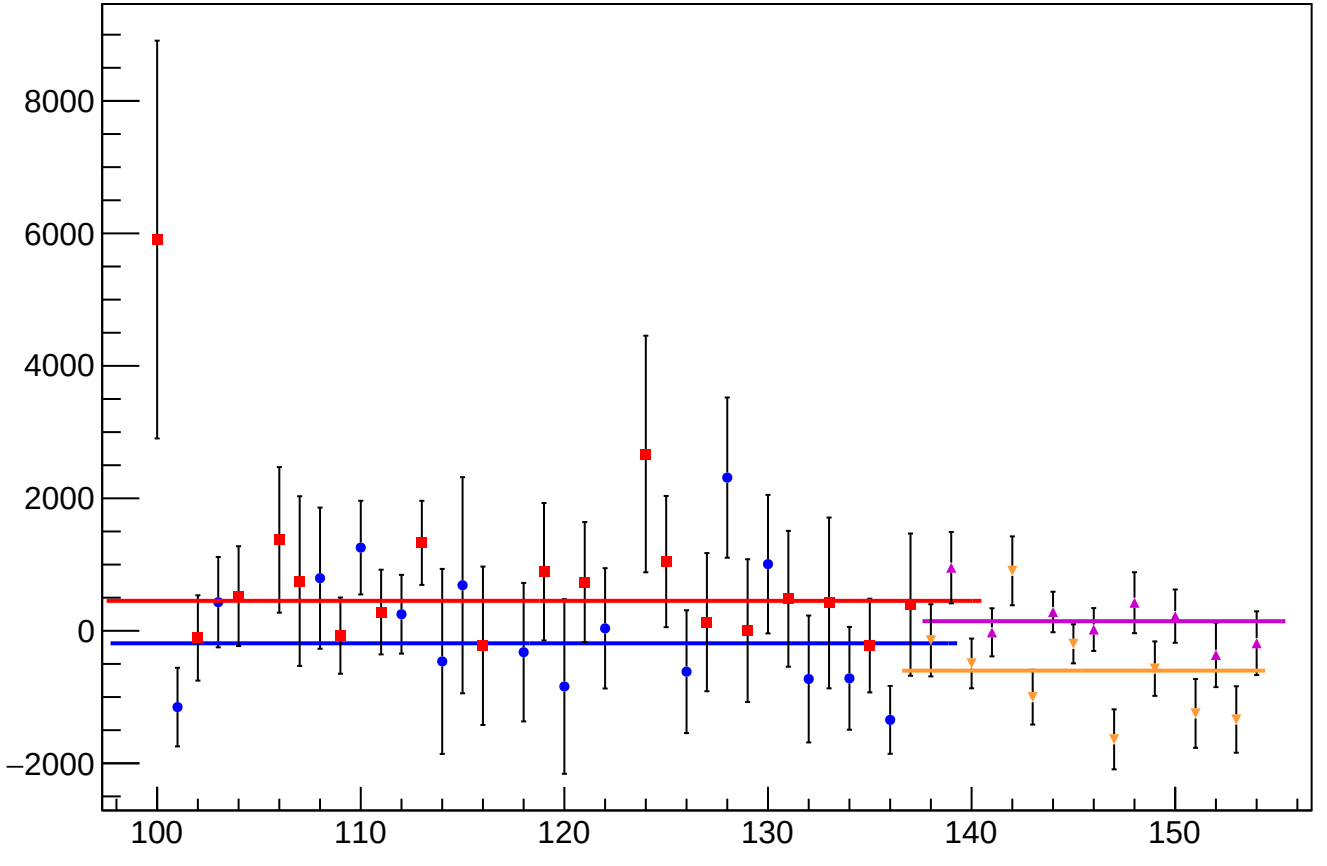
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.775+/-0.010 χ^2/NDF:721622.7/23

Out: 50.484+/-0.010 χ^2/NDF:780499.3/27

All: 50.628+/-0.007 χ^2/NDF: 1502573.7/51

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: 145.121+/-140.421 χ^2/NDF:4.8/7

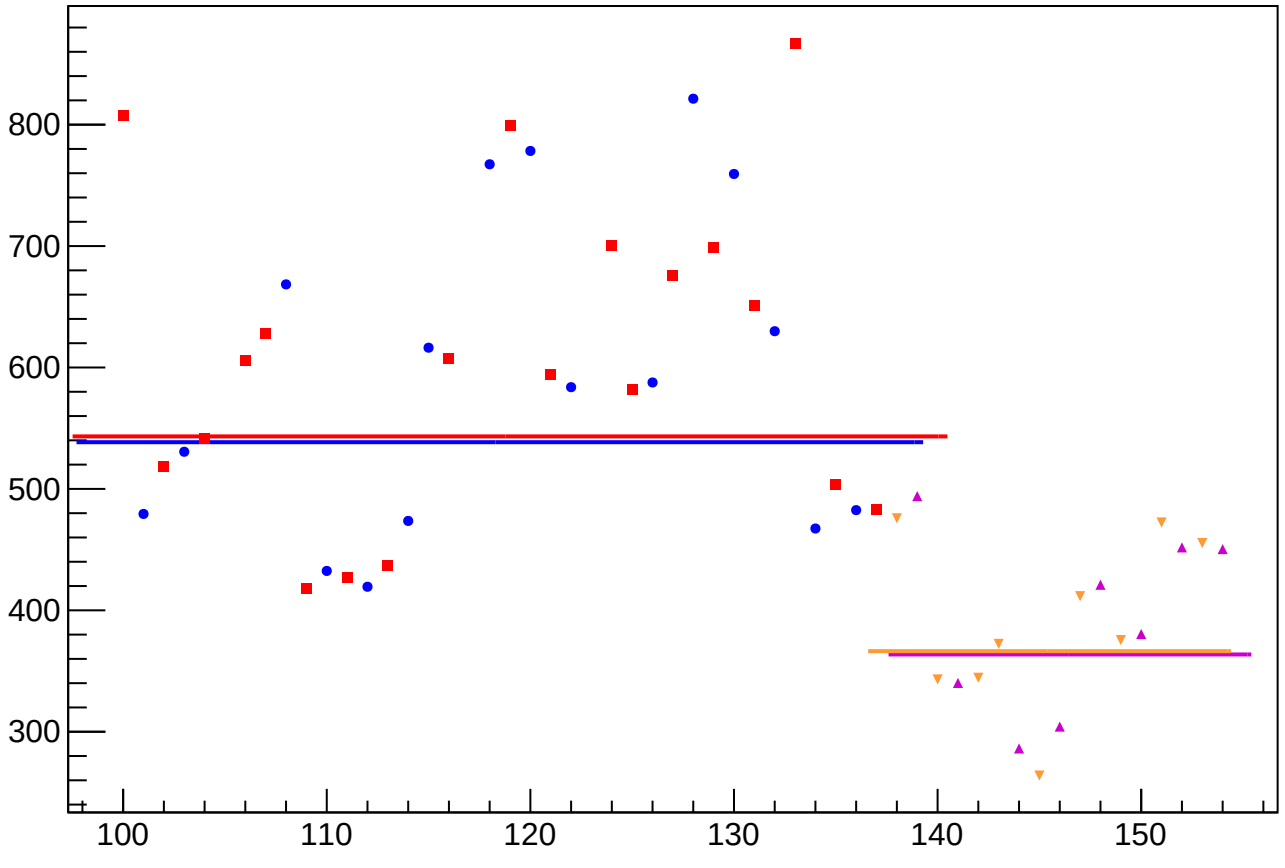
Left: -225.270+/-99.655 χ^2/NDF: 39.8/16

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 39.128+/-115.995 χ^2/NDF:27.9/23

Out: -258.823+/-116.227 χ^2/NDF:50.3/27

All: -109.550+/-82.103 χ^2/NDF: 81.5/51



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: 363.634+/-0.099 χ^2/NDF:486431.1/7

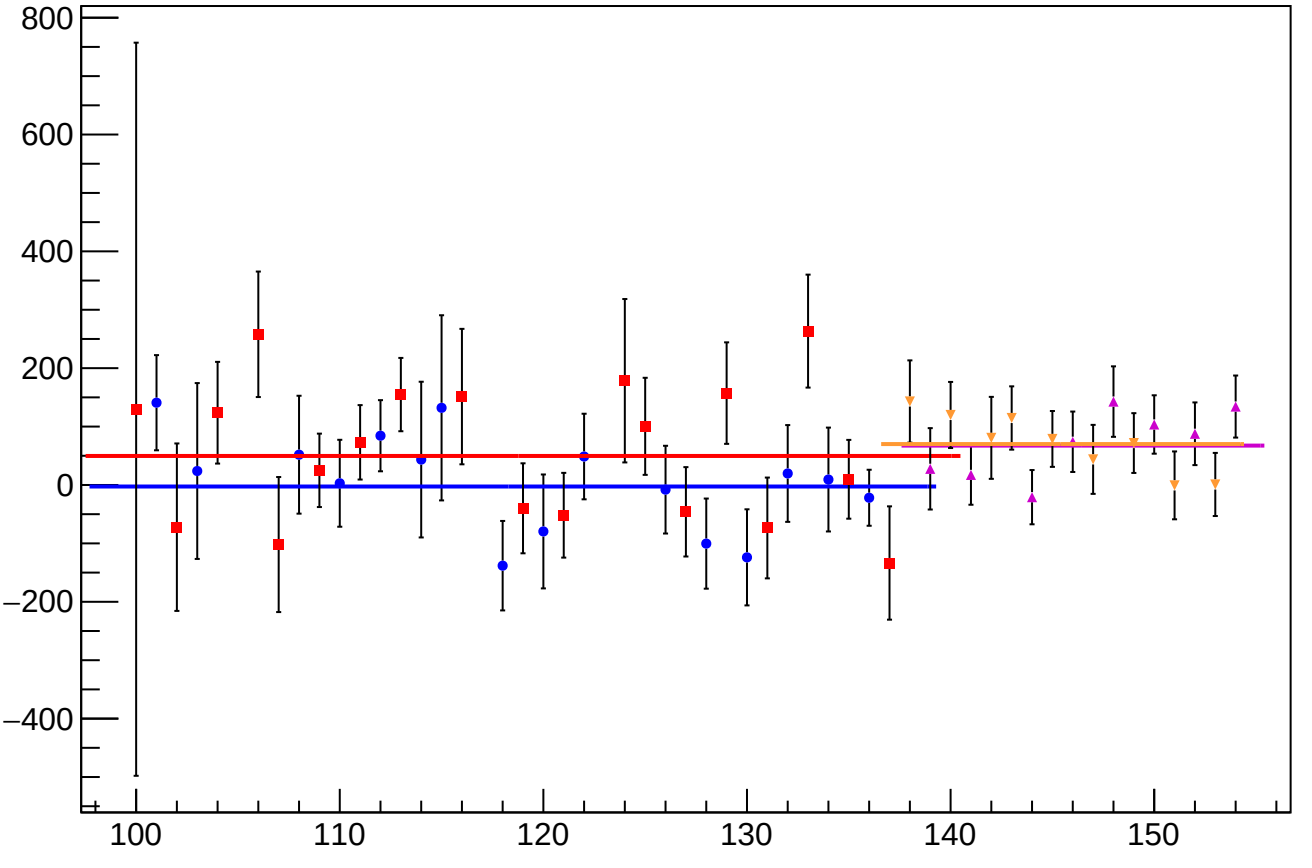
Left: 364.986+/-0.070 χ^2/NDF: 987784.3/16

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 419.169+/-0.082 χ^2/NDF:2085235.5/23

Out: 423.821+/-0.082 χ^2/NDF:2154080.0/27

All: 421.491+/-0.058 χ^2/NDF: 4240920.7/51



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: 67.429+/-18.889 χ^2/NDF:8.7/7

Left: 68.740+/-13.357 χ^2/NDF: 14.6/16

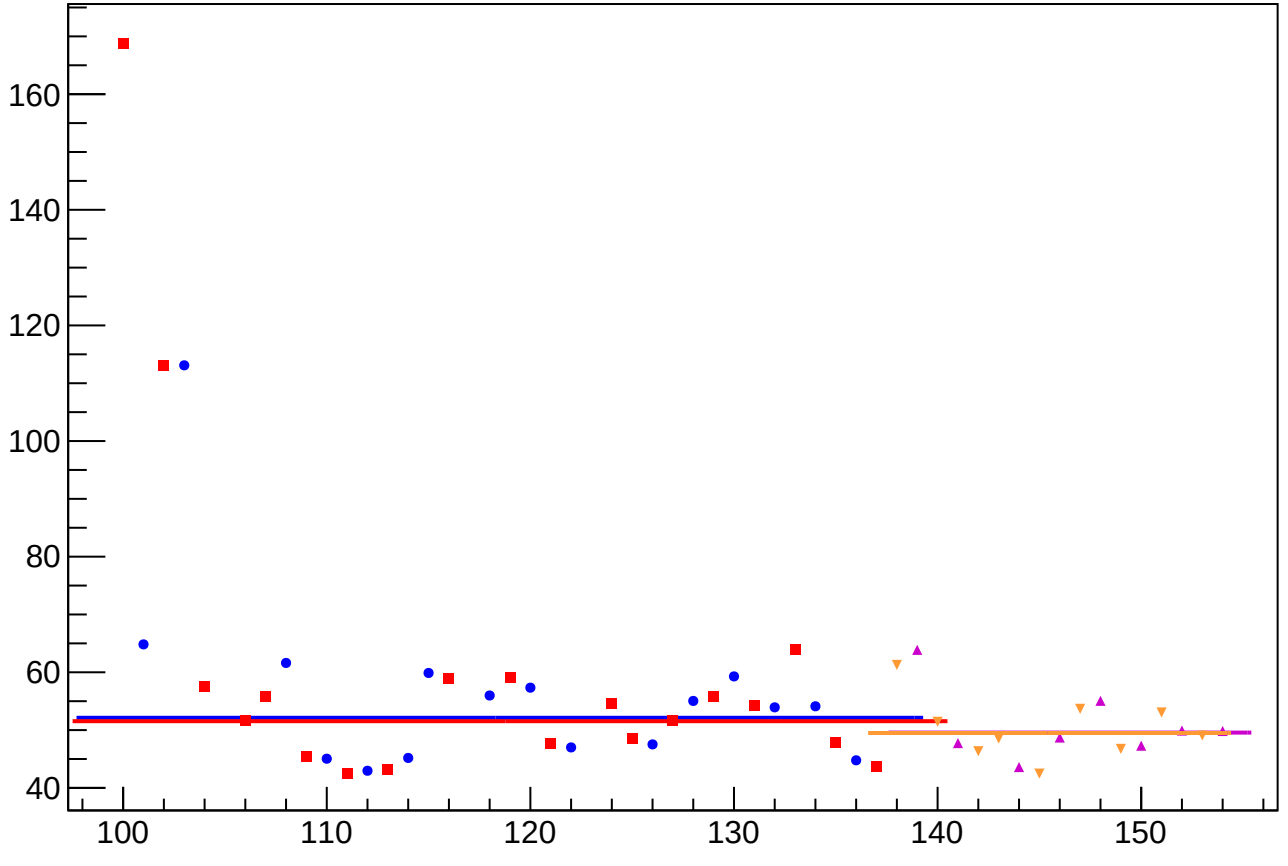
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 34.395+/-13.731 χ^2/NDF:29.8/23

Out: 60.259+/-13.608 χ^2/NDF:35.7/27

All: 47.443+/-9.666 χ^2/NDF: 67.3/51

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.496+/-0.013 χ^2/NDF:129565.3/8

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.566+/-0.013 χ^2/NDF:141352.8/7

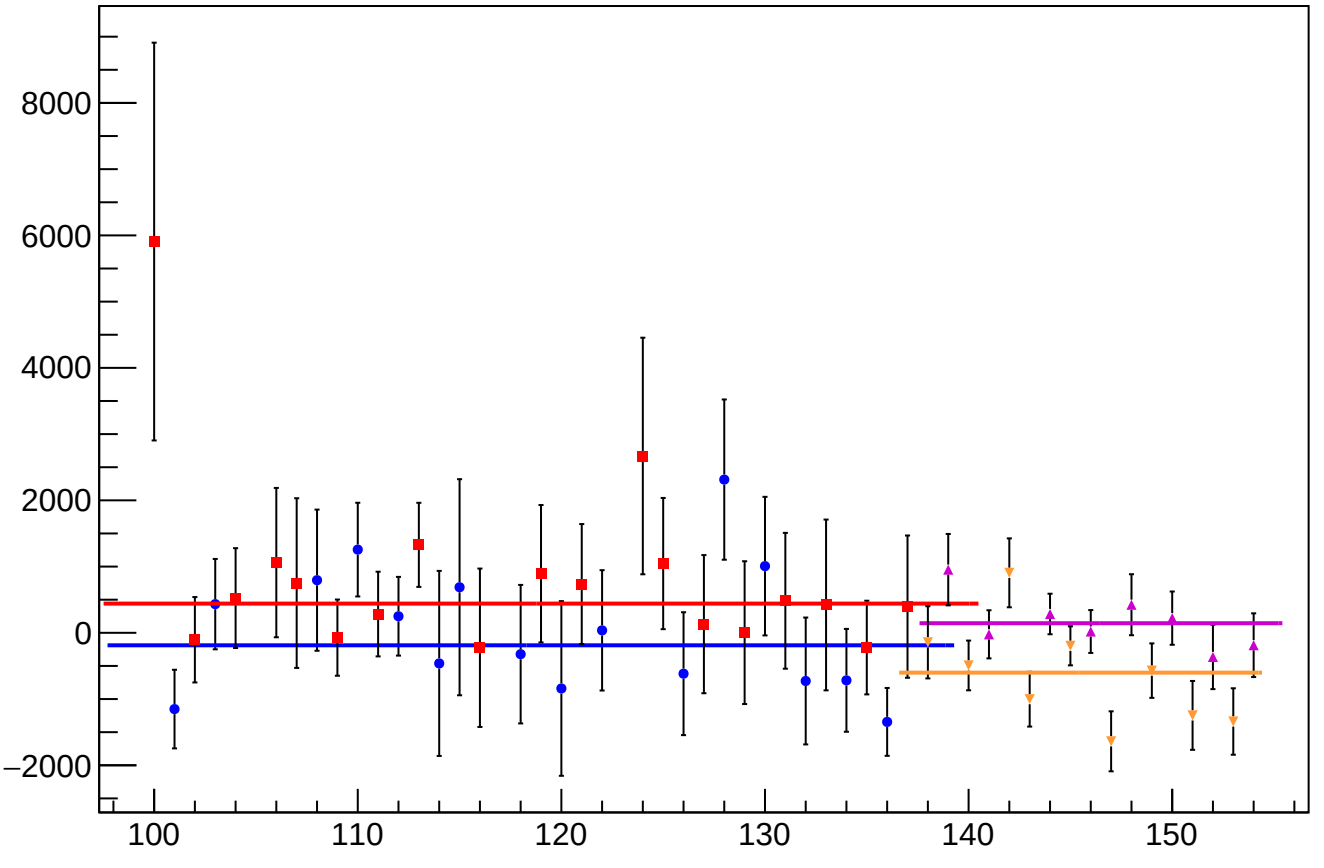
Left: 49.531+/-0.009 χ^2/NDF: 270931.9/16

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.775+/-0.010 χ^2/NDF:721625.0/23

Out: 50.479+/-0.010 χ^2/NDF:780604.9/27

All: 50.626+/-0.007 χ^2/NDF: 1502697.3/51



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: 145.123+/-140.421 χ^2/NDF:4.8/7

Left: -225.267+/-99.655 χ^2/NDF: 39.8/16

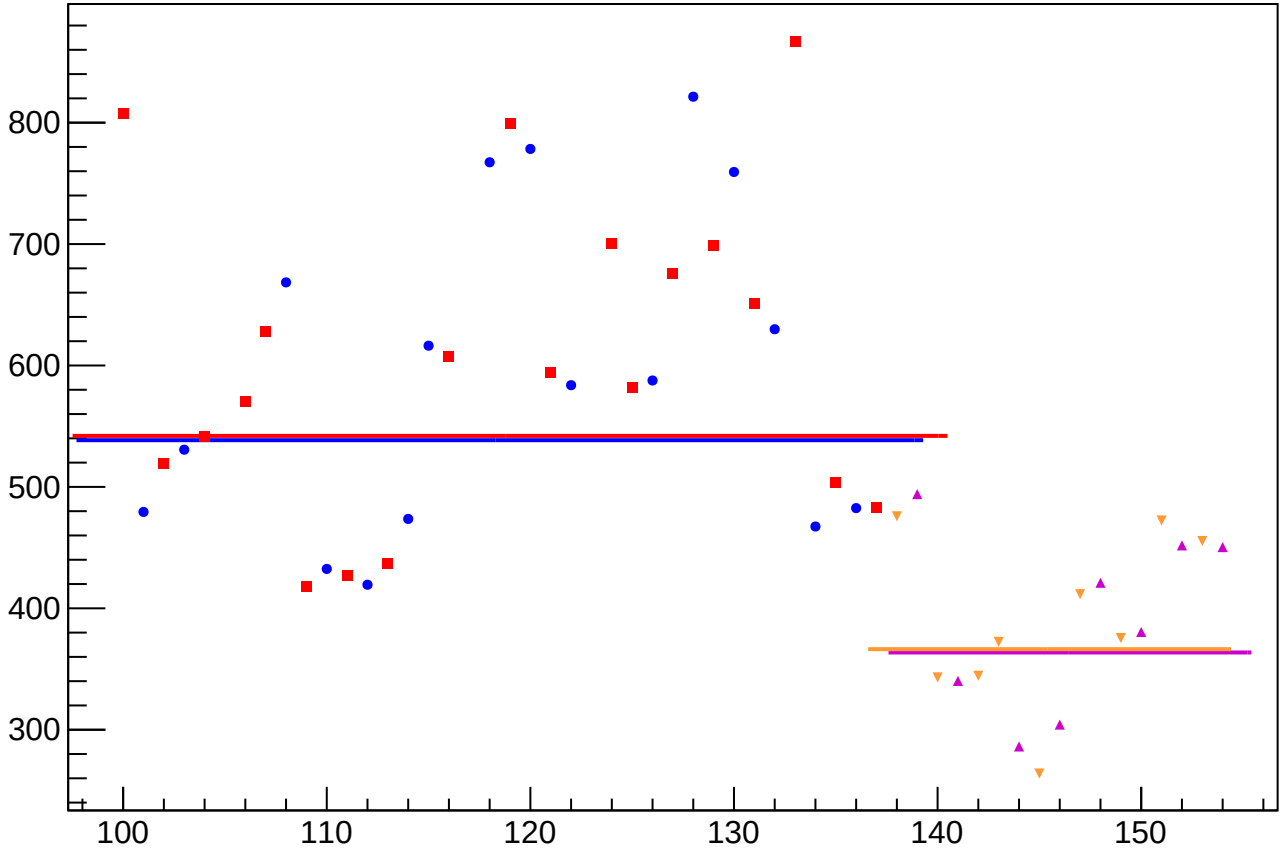
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 39.138+/-115.995 χ^2/NDF:27.9/23

Out: -262.946+/-116.262 χ^2/NDF:49.5/27

All: -111.557+/-82.115 χ^2/NDF: 80.8/51

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 366.358+/-0.100 χ^2/NDF:500983.0/8

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 363.634+/-0.099 χ^2/NDF:486430.7/7

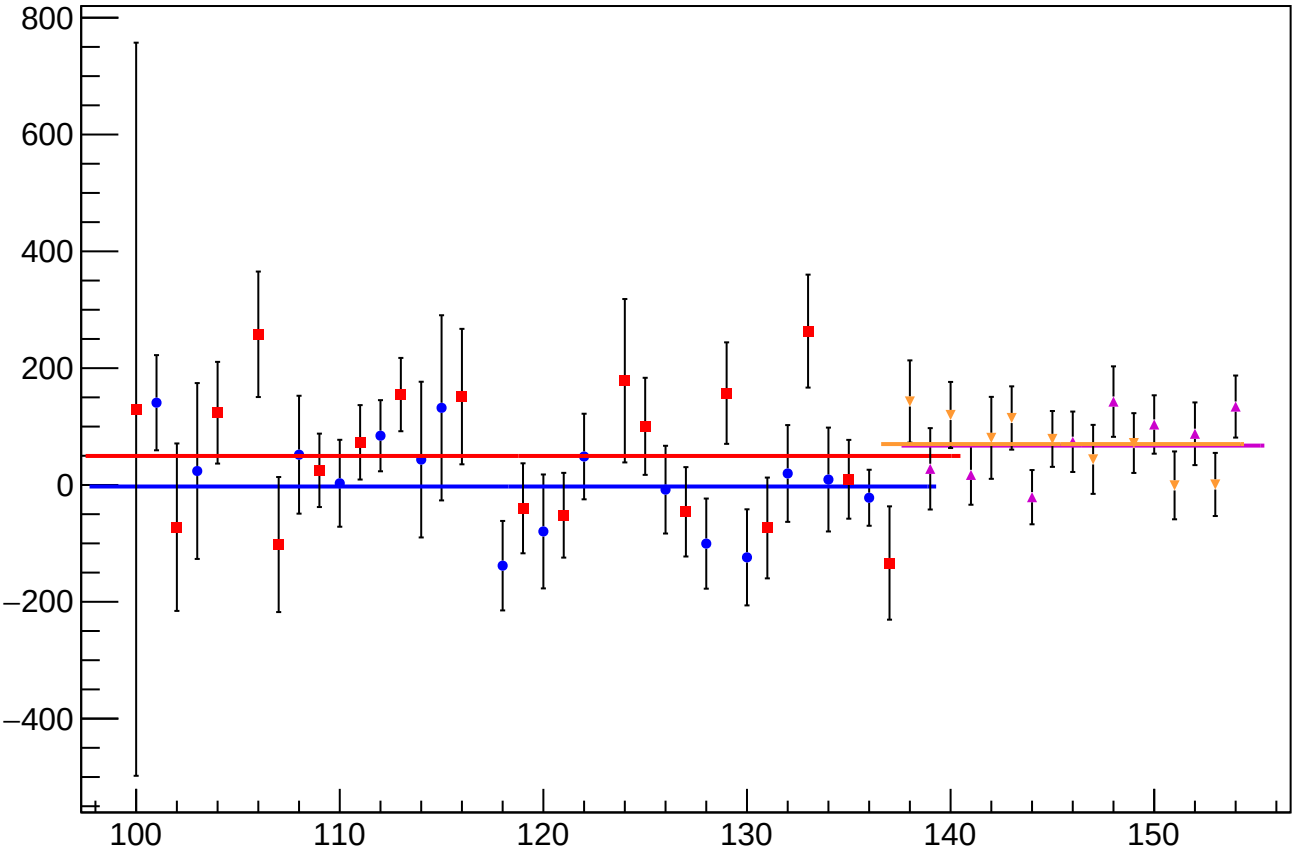
Left: 364.986+/-0.070 χ^2/NDF: 987787.0/16

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 419.170+/-0.082 χ^2/NDF:2085277.5/23

Out: 423.353+/-0.082 χ^2/NDF:2133324.3/27

All: 421.257+/-0.058 χ^2/NDF: 4219899.1/51



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: 67.429+/-18.889 χ^2/NDF:8.7/7

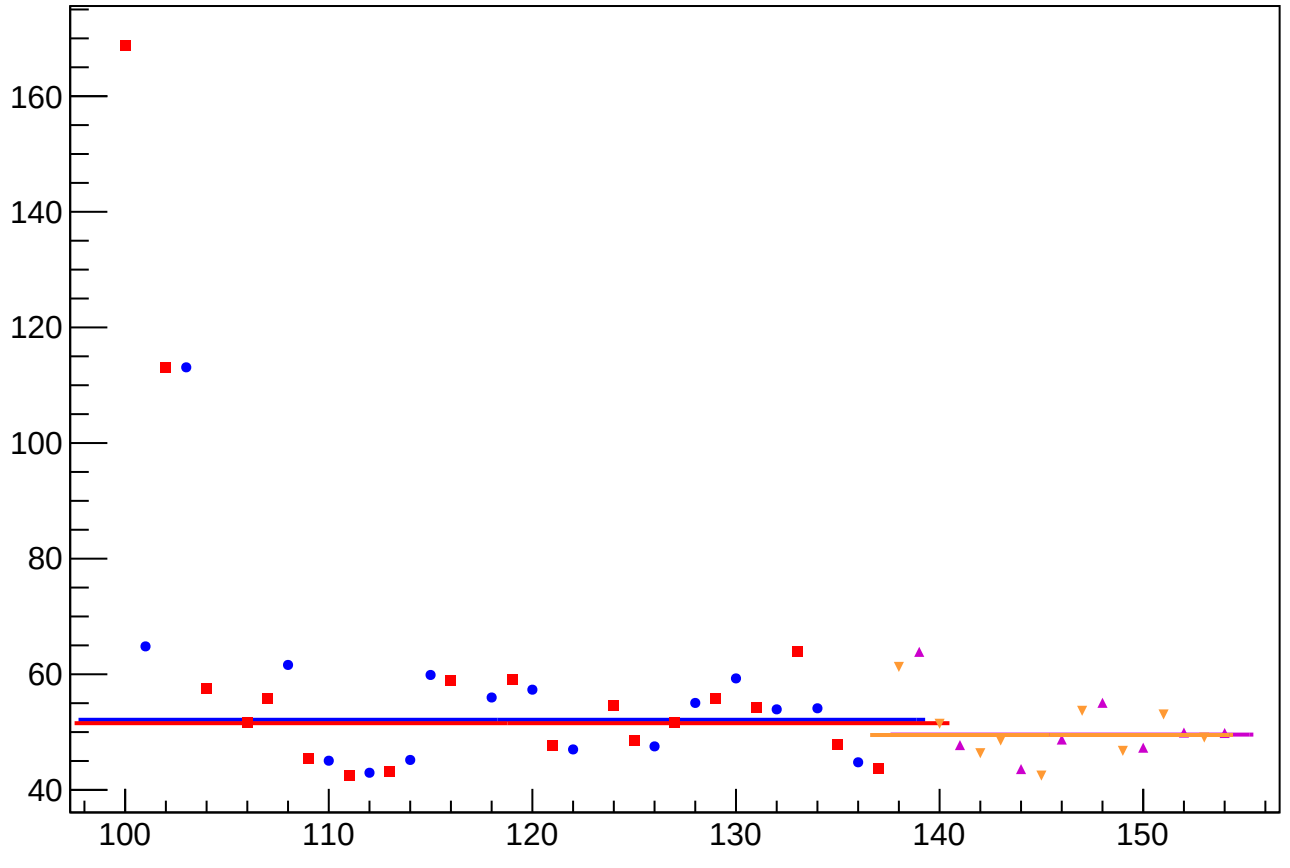
Left: 68.740+/-13.357 χ^2/NDF: 14.6/16

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 34.395+/-13.731 χ^2/NDF:29.8/23

Out: 60.259+/-13.608 χ^2/NDF:35.7/27

All: 47.443+/-9.666 χ^2/NDF: 67.3/51



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: 49.566+/-0.013 χ^2/NDF:141352.8/7

Left: 49.531+/-0.009 χ^2/NDF: 270931.9/16

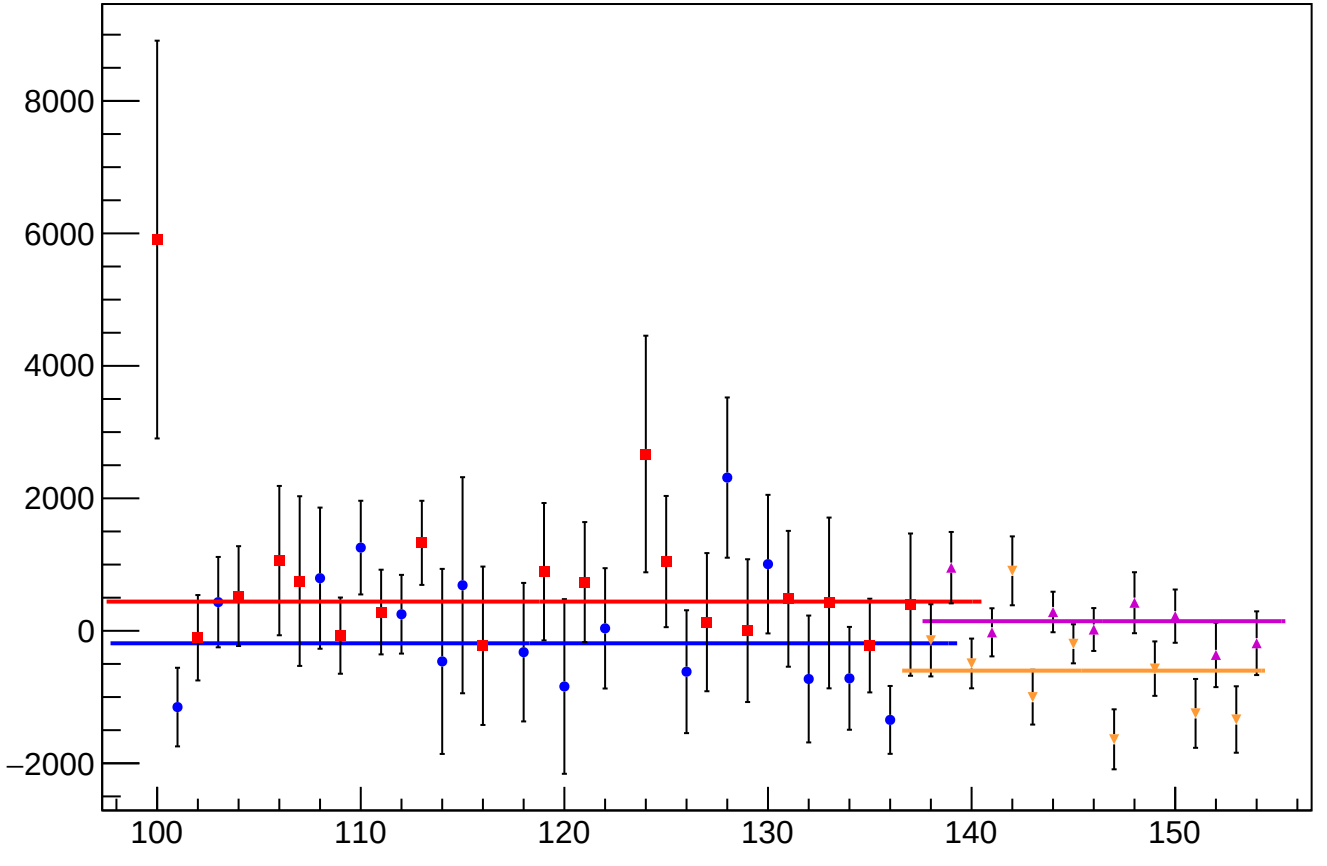
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.775+/-0.010 χ^2/NDF:721625.0/23

Out: 50.479+/-0.010 χ^2/NDF:780604.9/27

All: 50.626+/-0.007 χ^2/NDF: 1502697.3/51

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: 145.123+/-140.421 χ^2/NDF:4.8/7

Left: -225.267+/-99.655 χ^2/NDF: 39.8/16

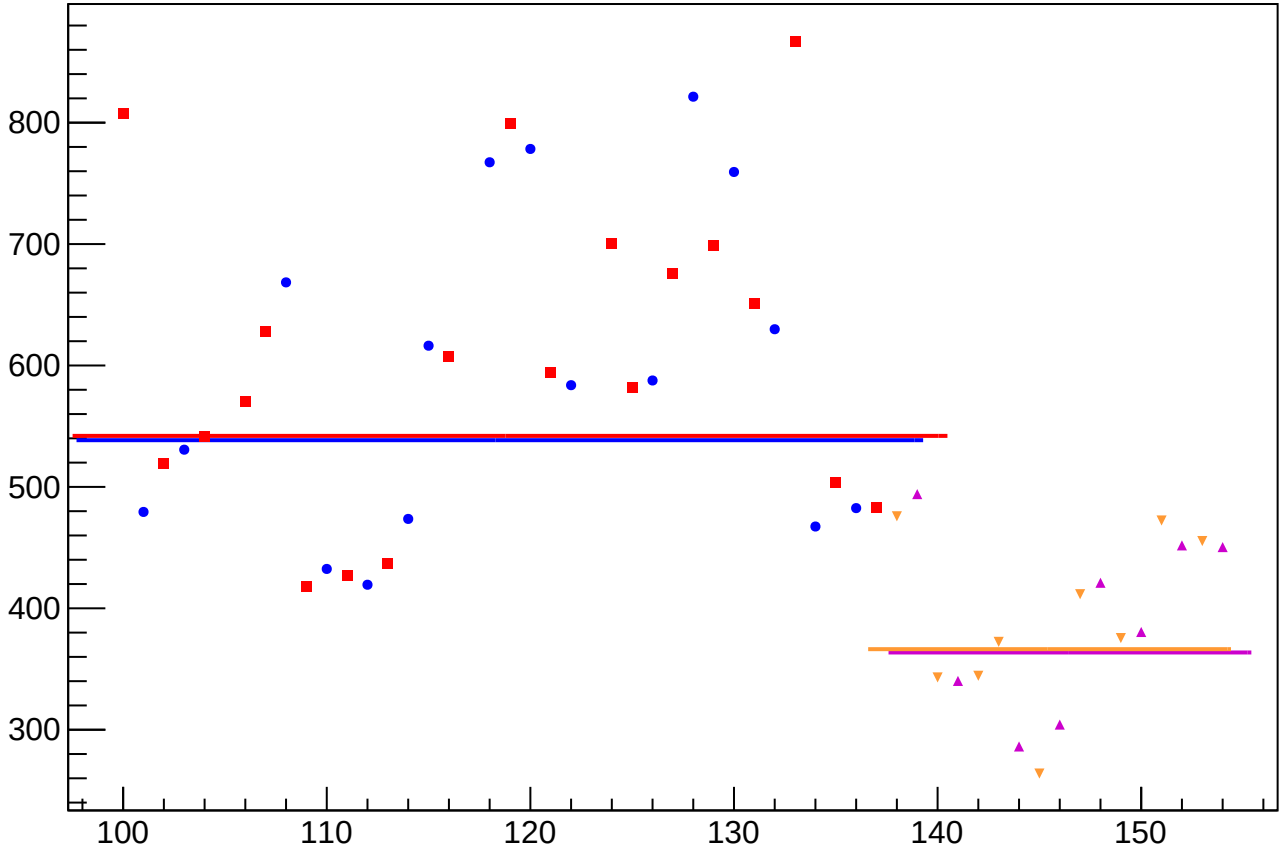
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 39.138+/-115.995 χ^2/NDF:27.9/23

Out: -262.946+/-116.262 χ^2/NDF:49.5/27

All: -111.557+/-82.115 χ^2/NDF: 80.8/51

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: 363.634+/-0.099 χ^2/NDF:486430.7/7

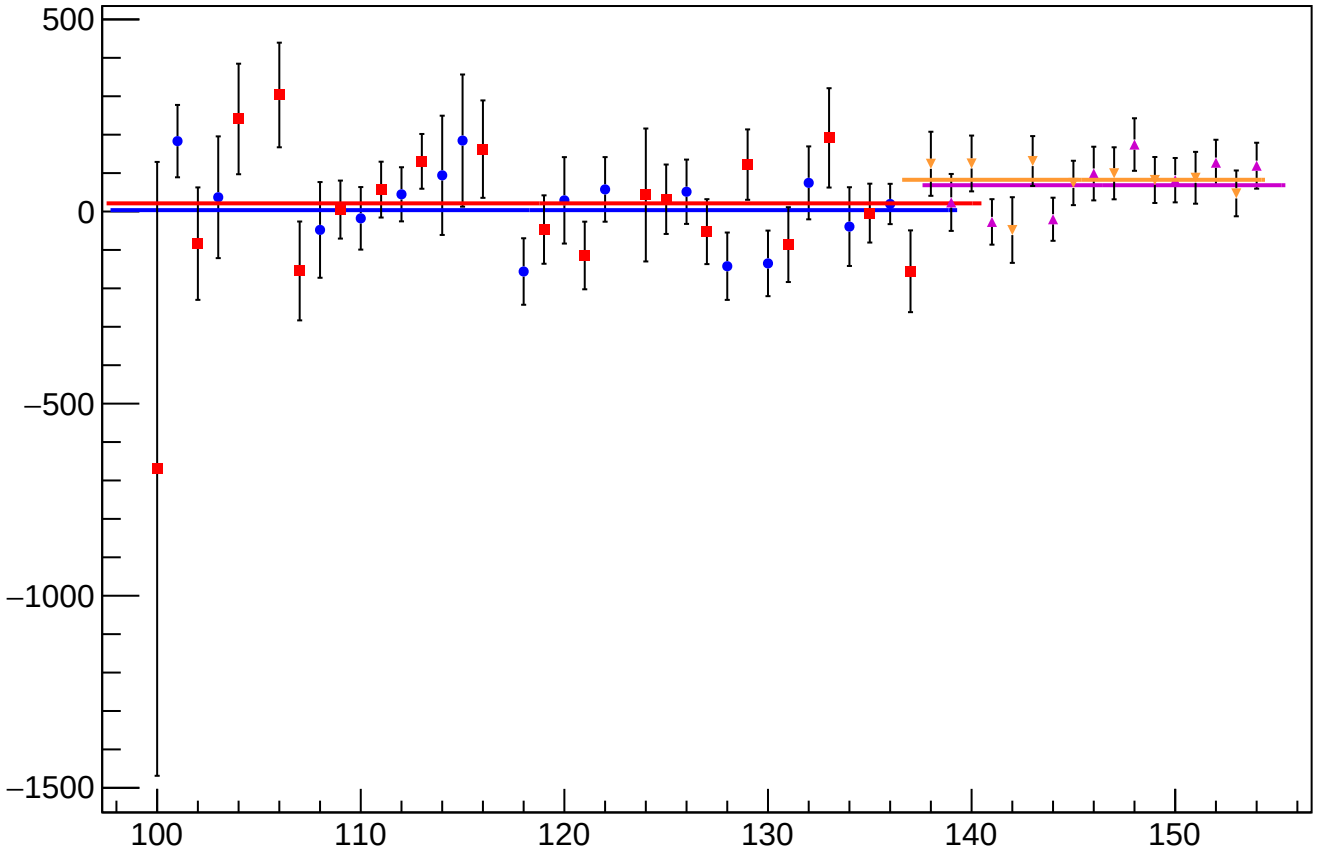
Left: 364.986+/-0.070 χ^2/NDF: 987787.0/16

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 419.170+/-0.082 χ^2/NDF:2085277.5/23

Out: 423.353+/-0.082 χ^2/NDF:2133324.3/27

All: 421.257+/-0.058 χ^2/NDF: 4219899.1/51



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: 68.464+/-22.003 χ^2/NDF:9.8/7

Left: 75.418+/-15.672 χ^2/NDF: 13.9/16

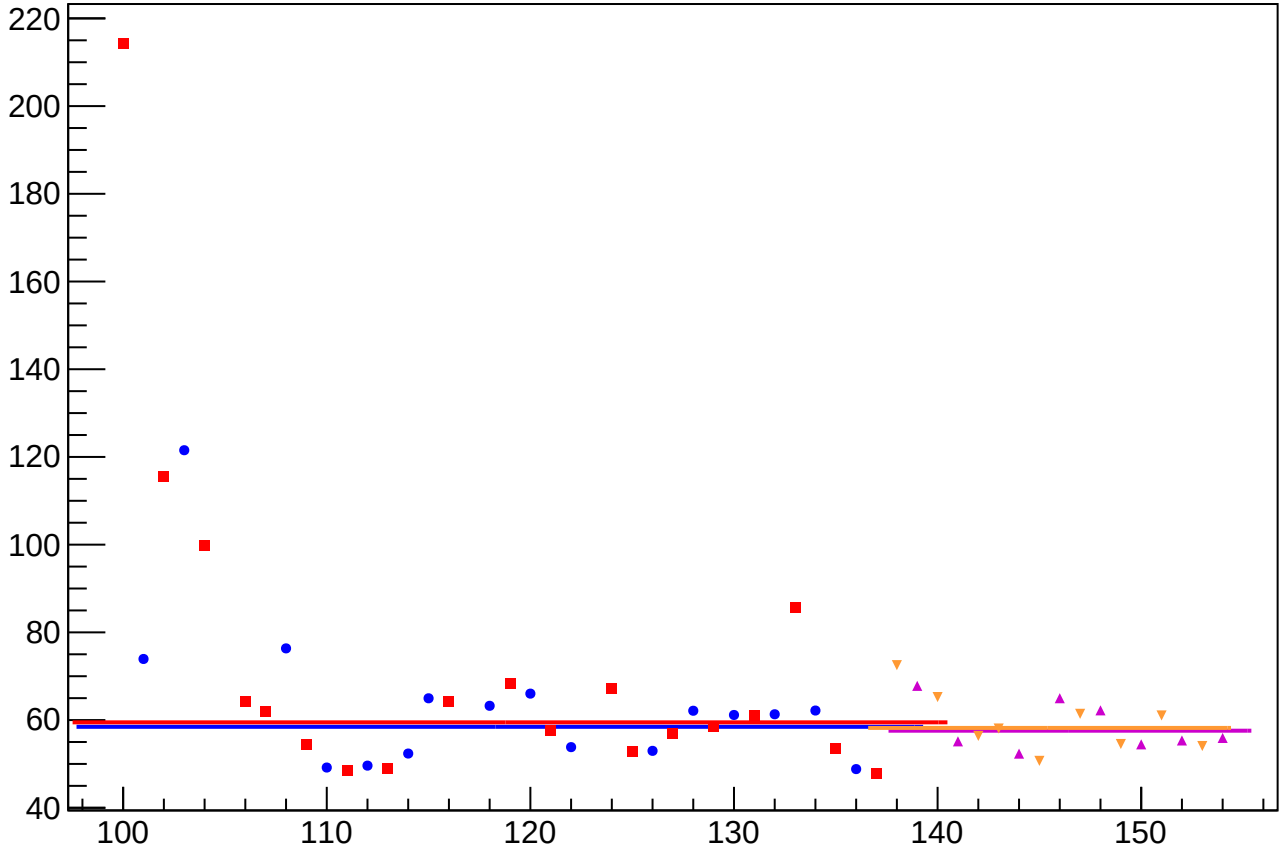
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 36.725+/-15.725 χ^2/NDF:30.2/23

Out: 52.515+/-15.942 χ^2/NDF:32.1/27

All: 44.512+/-11.195 χ^2/NDF: 62.7/51

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: 57.578+/-0.016 χ^2/NDF:100643.1/7

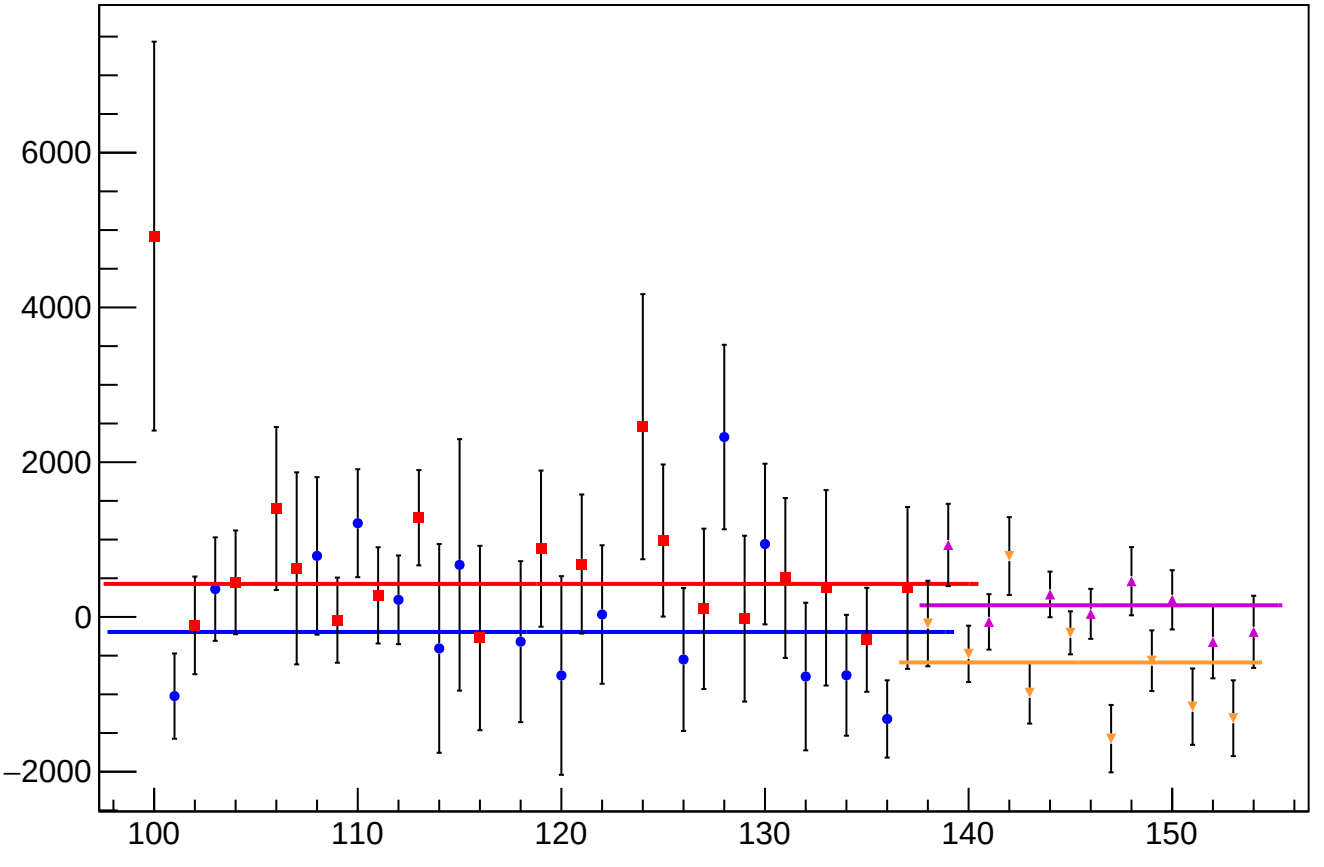
Left: 57.889+/-0.011 χ^2/NDF: 239072.9/16

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.012+/-0.011 χ^2/NDF:685220.1/23

Out: 58.835+/-0.011 χ^2/NDF:925685.5/27

All: 58.418+/-0.008 χ^2/NDF: 1613605.6/51



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: 150.903+/-136.730 χ^2/NDF:4.9/7

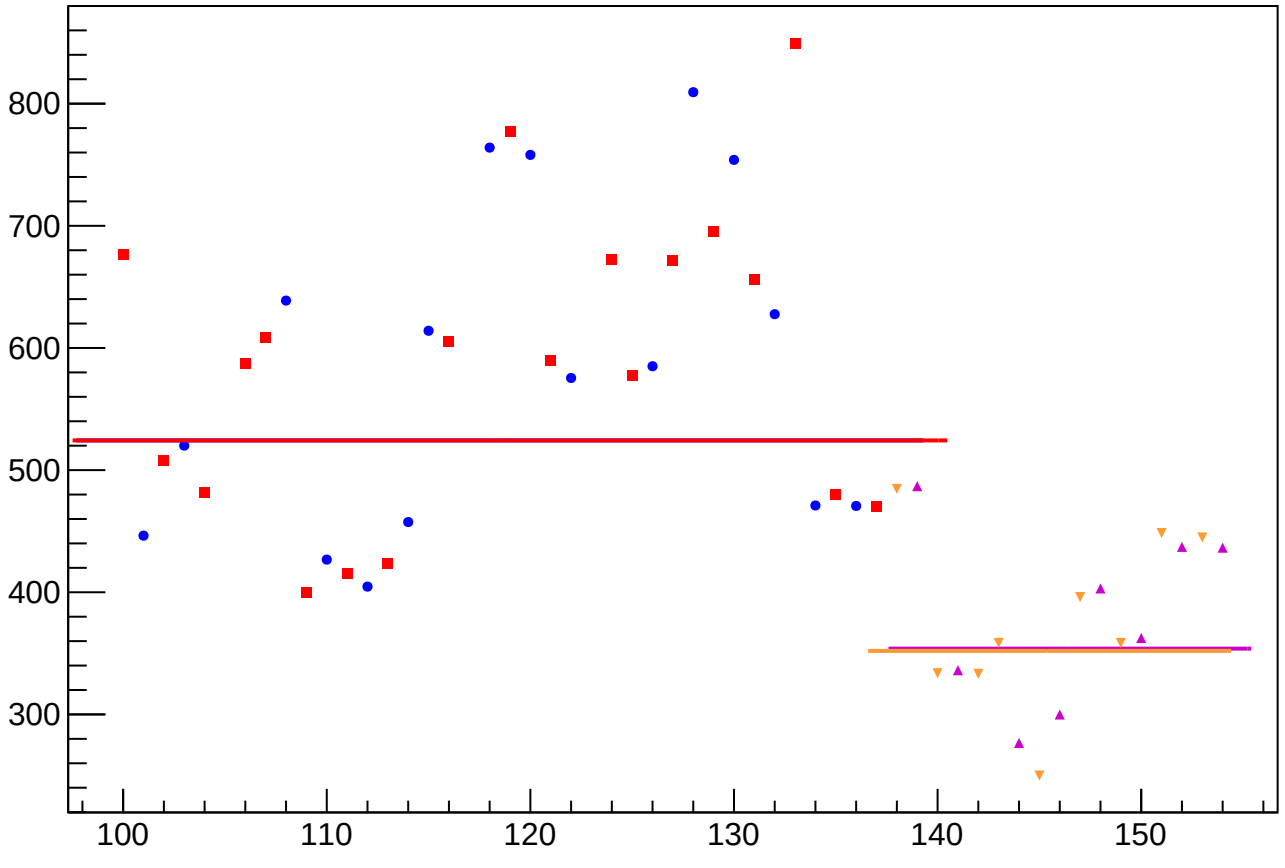
Left: -220.433+/-96.425 χ^2/NDF: 39.5/16

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 41.530+/-112.982 χ^2/NDF:27.7/23

Out: -260.289+/-111.923 χ^2/NDF:49.2/27

All: -110.801+/-79.513 χ^2/NDF: 80.5/51



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: 353.855+/-0.097 χ^2/NDF:474214.1/7

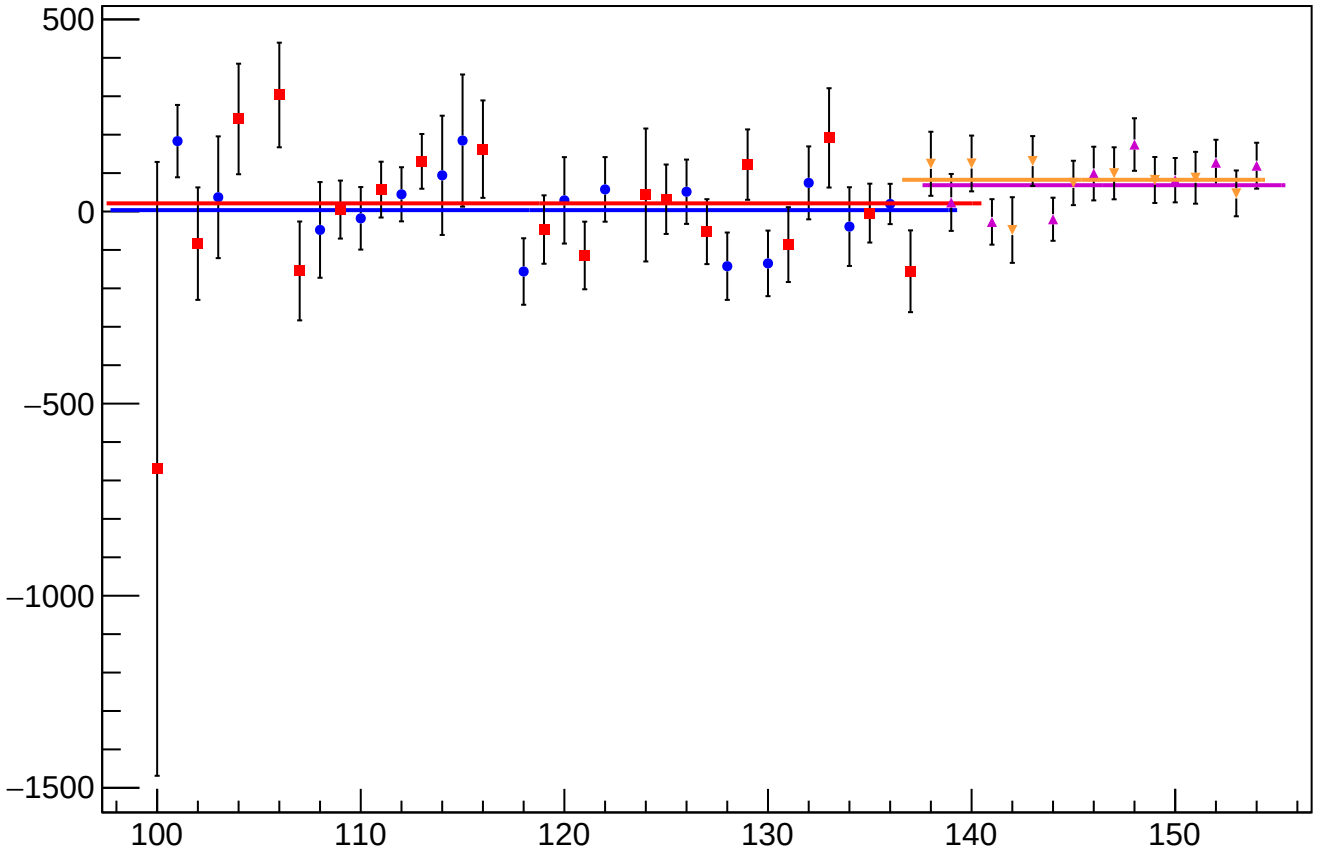
Left: 352.929+/-0.068 χ^2/NDF: 1036655.2/16

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 407.929+/-0.080 χ^2/NDF:2118862.6/23

Out: 407.623+/-0.079 χ^2/NDF:2284297.4/27

All: 407.775+/-0.056 χ^2/NDF: 4403167.3/51



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: 68.464+/-22.003 χ^2/NDF:9.8/7

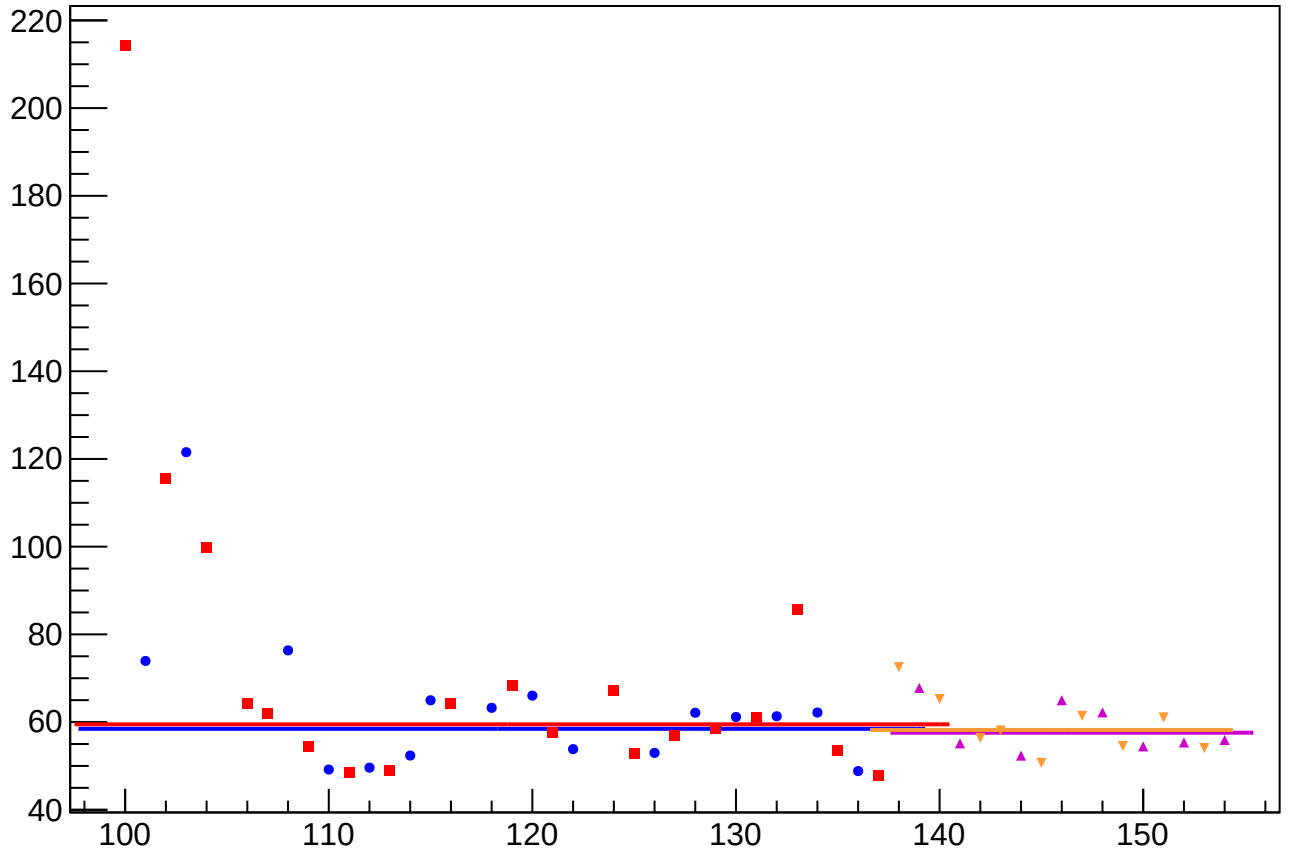
Left: 75.418+/-15.672 χ^2/NDF: 13.9/16

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 36.725+/-15.725 χ^2/NDF:30.2/23

Out: 52.514+/-15.942 χ^2/NDF:32.1/27

All: 44.512+/-11.195 χ^2/NDF: 62.7/51



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: 57.578+/-0.016 χ^2/NDF:100641.2/7

Left: 57.890+/-0.011 χ^2/NDF: 239071.2/16

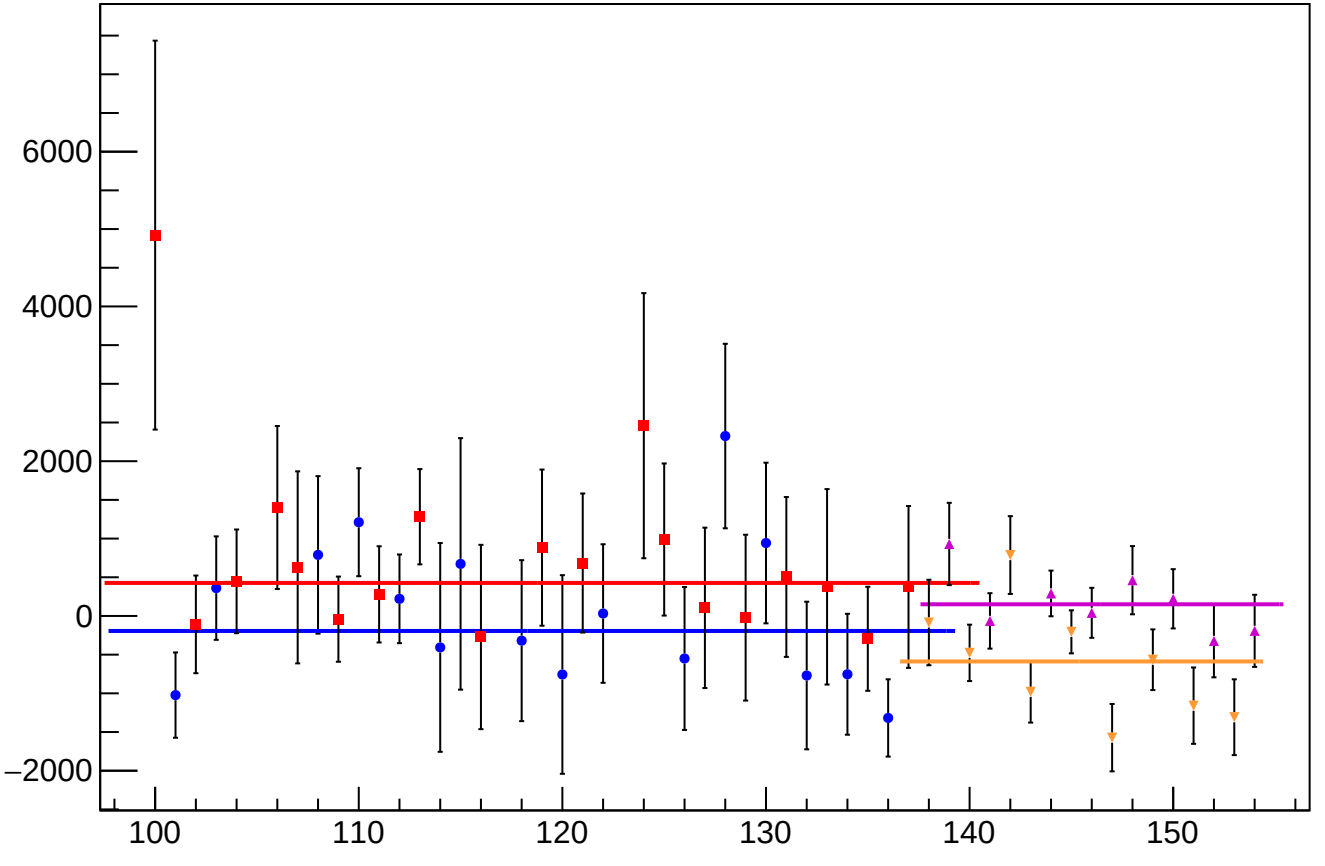
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.012+/-0.011 χ^2/NDF:685214.1/23

Out: 58.835+/-0.011 χ^2/NDF:925685.0/27

All: 58.418+/-0.008 χ^2/NDF: 1613599.2/51

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: 150.903+/-136.730 χ^2/NDF:4.9/7

Left: -220.433+/-96.424 χ^2/NDF: 39.5/16

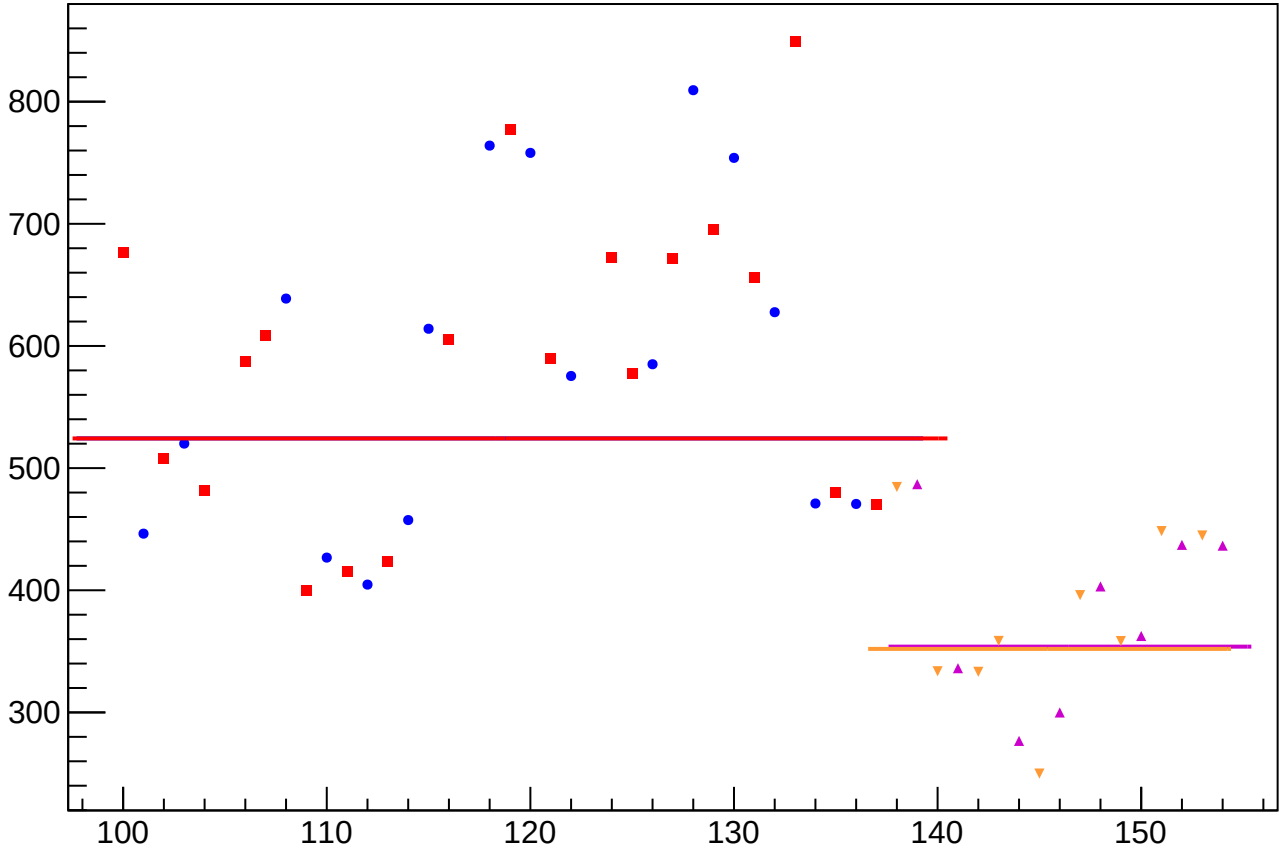
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 41.530+/-112.982 χ^2/NDF:27.7/23

Out: -260.289+/-111.923 χ^2/NDF:49.2/27

All: -110.801+/-79.513 χ^2/NDF: 80.5/51

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: 353.855+/-0.097 χ^2/NDF:474212.8/7

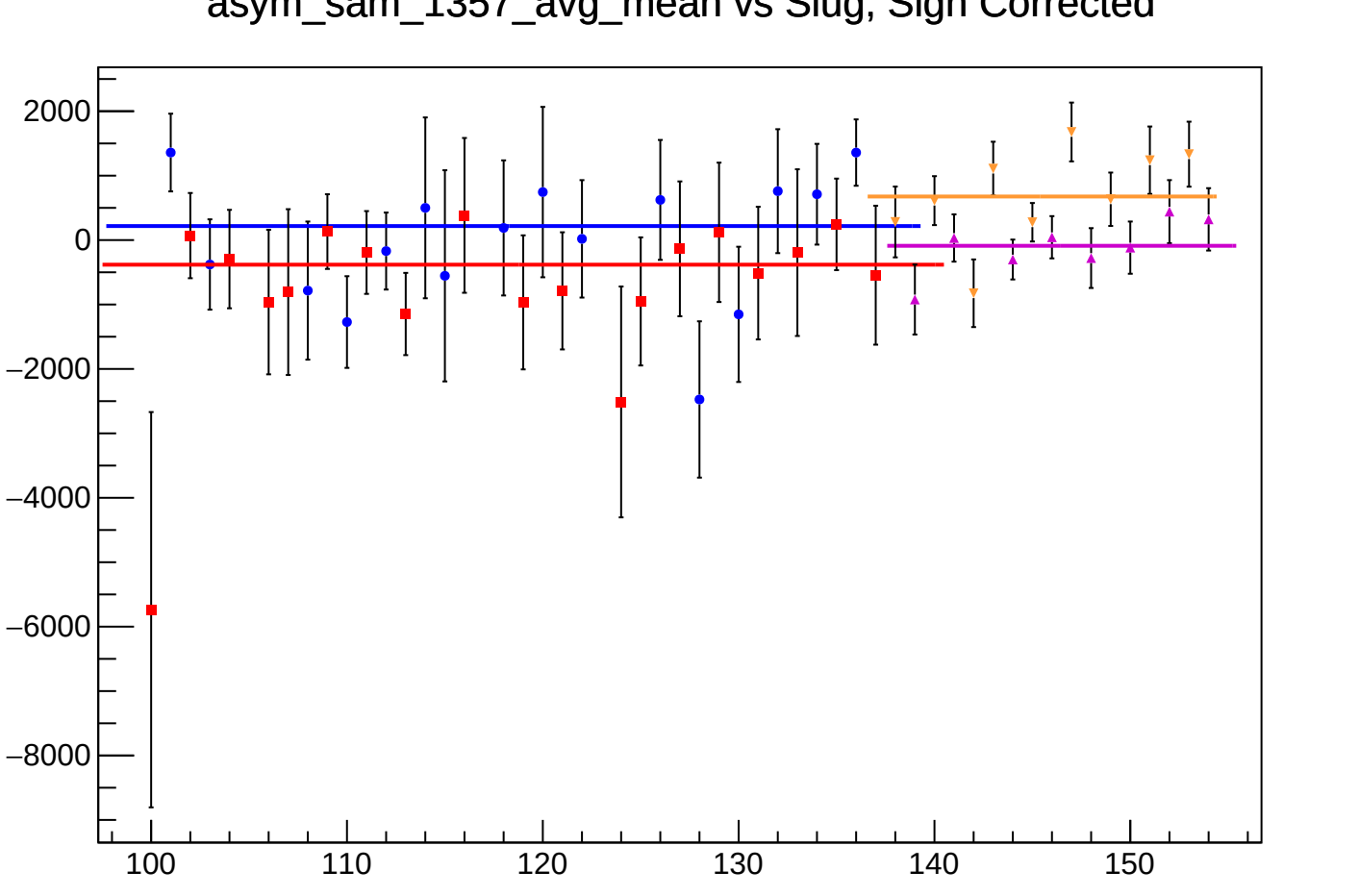
Left: 352.929+/-0.068 χ^2/NDF: 1036653.6/16

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 407.929+/-0.080 χ^2/NDF:2118858.1/23

Out: 407.623+/-0.079 χ^2/NDF:2284291.3/27

All: 407.774+/-0.056 χ^2/NDF: 4403156.9/51



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: -88.817+/-141.811 χ^2/NDF:5.2/7

Left: 291.030+/-100.632 χ^2/NDF: 38.9/16

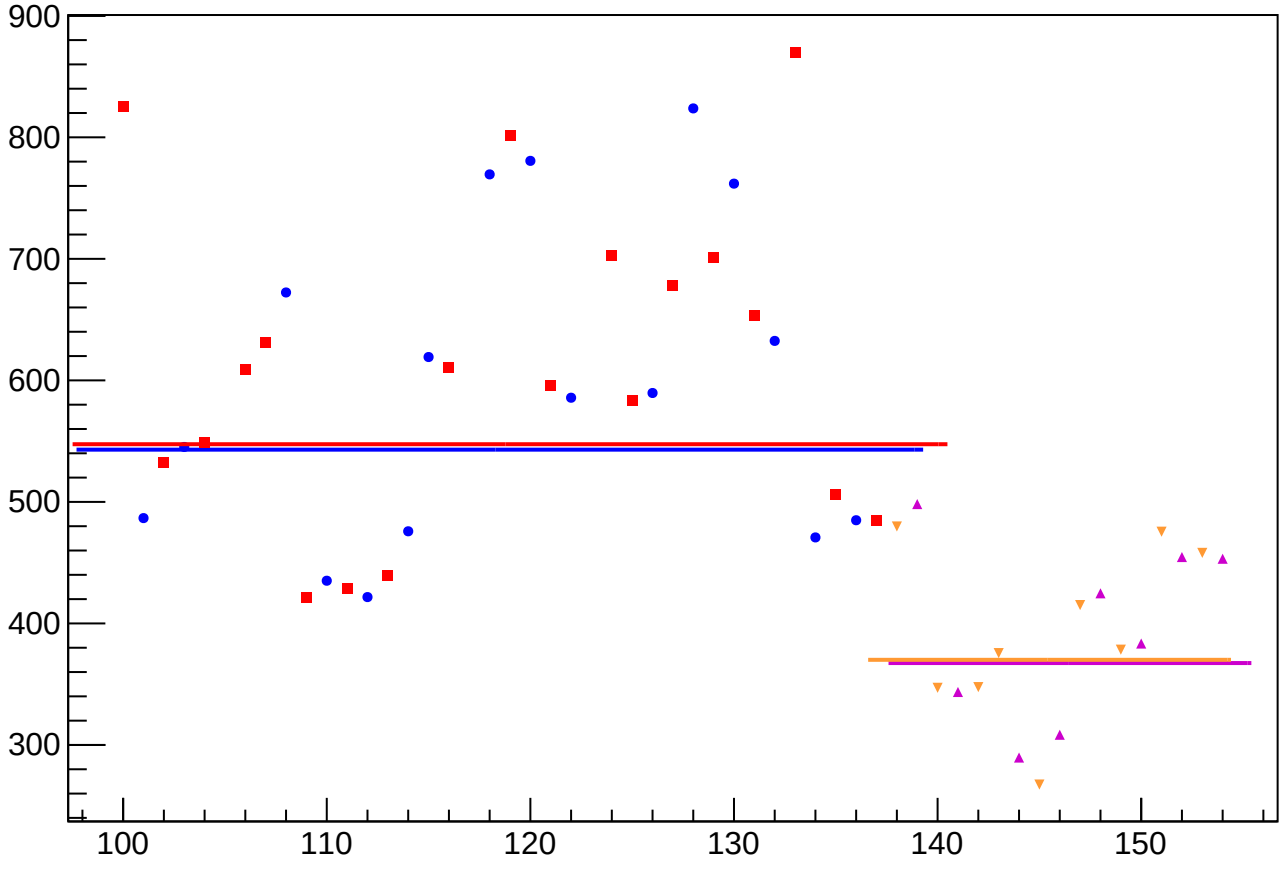
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 8.792+/-117.079 χ^2/NDF:29.5/23

Out: 331.864+/-117.296 χ^2/NDF:47.1/27

All: 170.030+/-82.864 χ^2/NDF: 80.5/51

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: 367.405+/-0.100 χ^2/NDF:475357.5/7

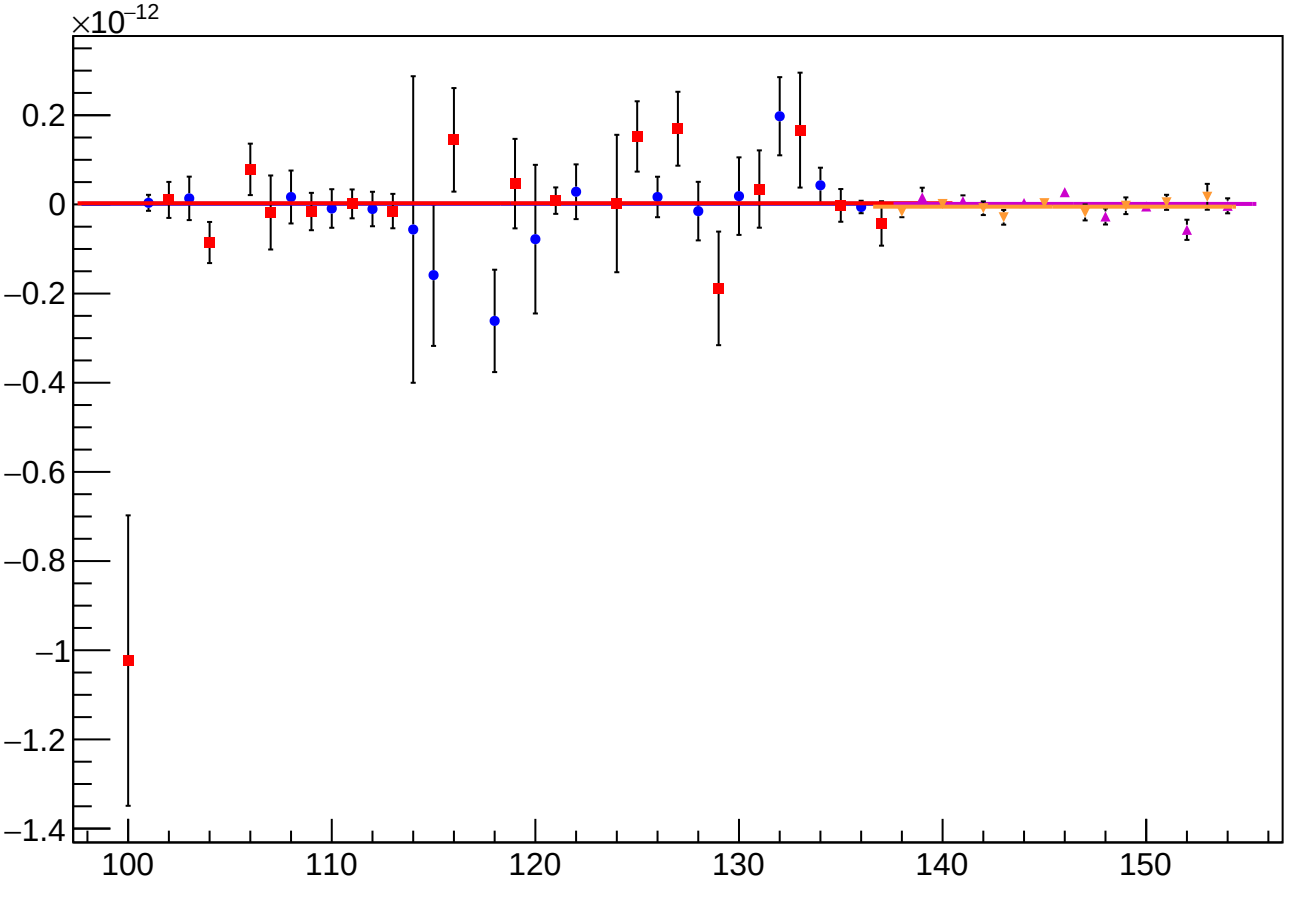
Left: 368.723+/-0.071 χ^2/NDF: 965137.5/16

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 423.311+/-0.083 χ^2/NDF:2056897.3/23

Out: 427.810+/-0.083 χ^2/NDF:2124192.3/27

All: 425.556+/-0.059 χ^2/NDF: 4182563.1/51



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:15.8/7

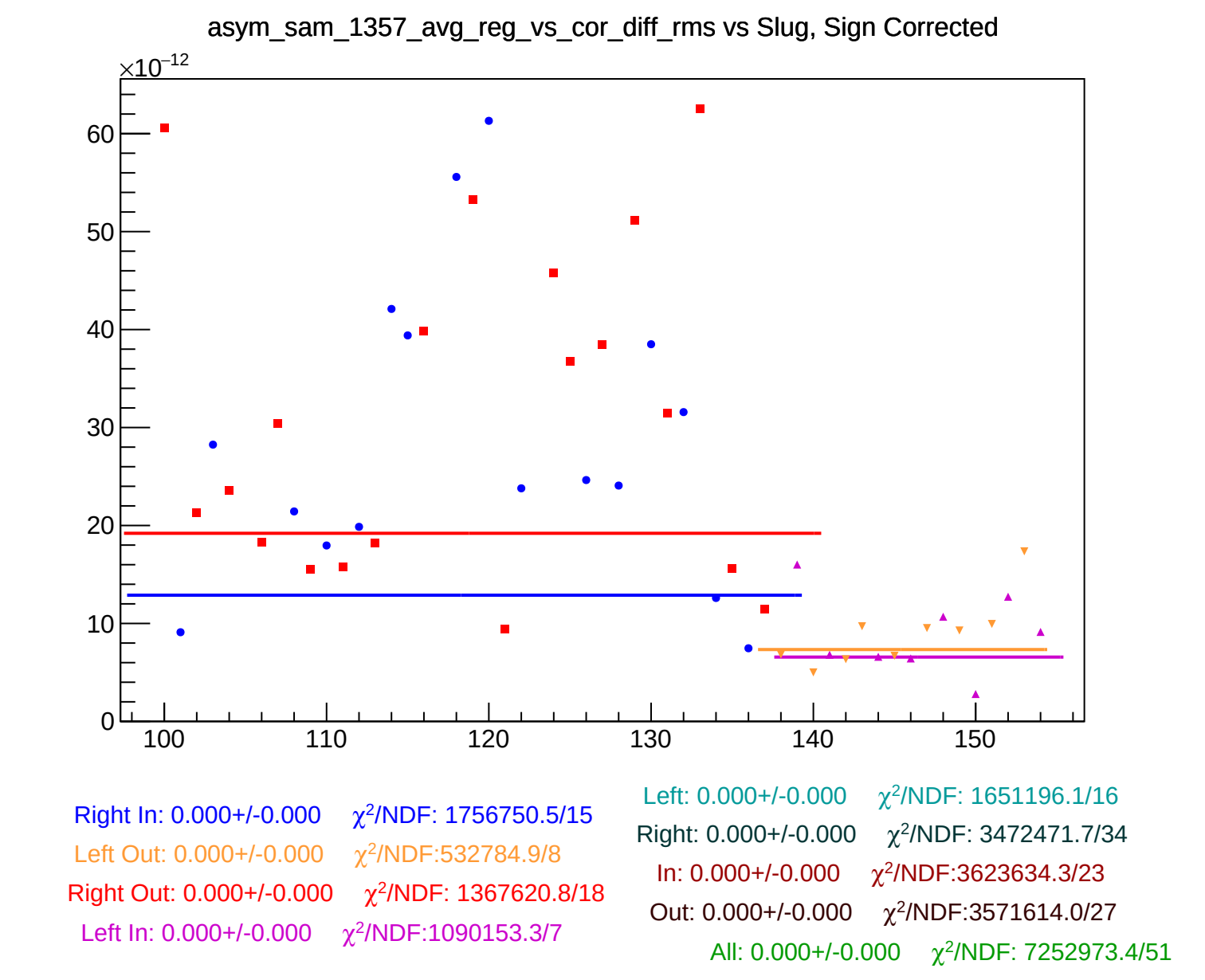
Left: -0.000+/-0.000 χ^2/NDF: 22.2/16

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

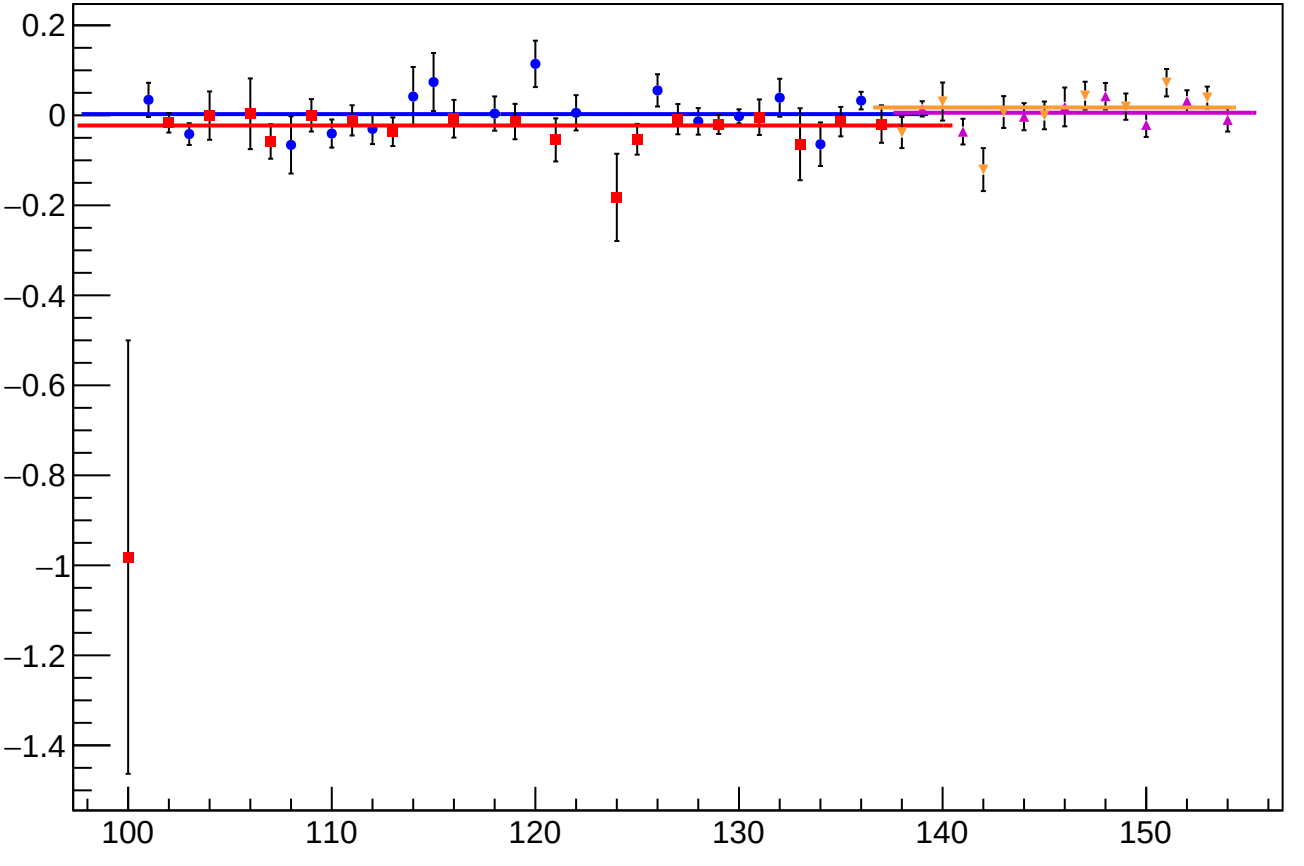
In: 0.000+/-0.000 χ^2/NDF:29.4/23

Out: -0.000+/-0.000 χ^2/NDF:35.8/27

All: -0.000+/-0.000 χ^2/NDF: 66.1/51


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:1090153.3/7
Left: 0.000+/-0.000 χ²/NDF: 1651196.1/16
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3623634.3/23
Out: 0.000+/-0.000 χ²/NDF:3571614.0/27
All: 0.000+/-0.000 χ²/NDF: 7252973.4/51

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: 0.006+/-0.009 χ^2/NDF:6.6/7

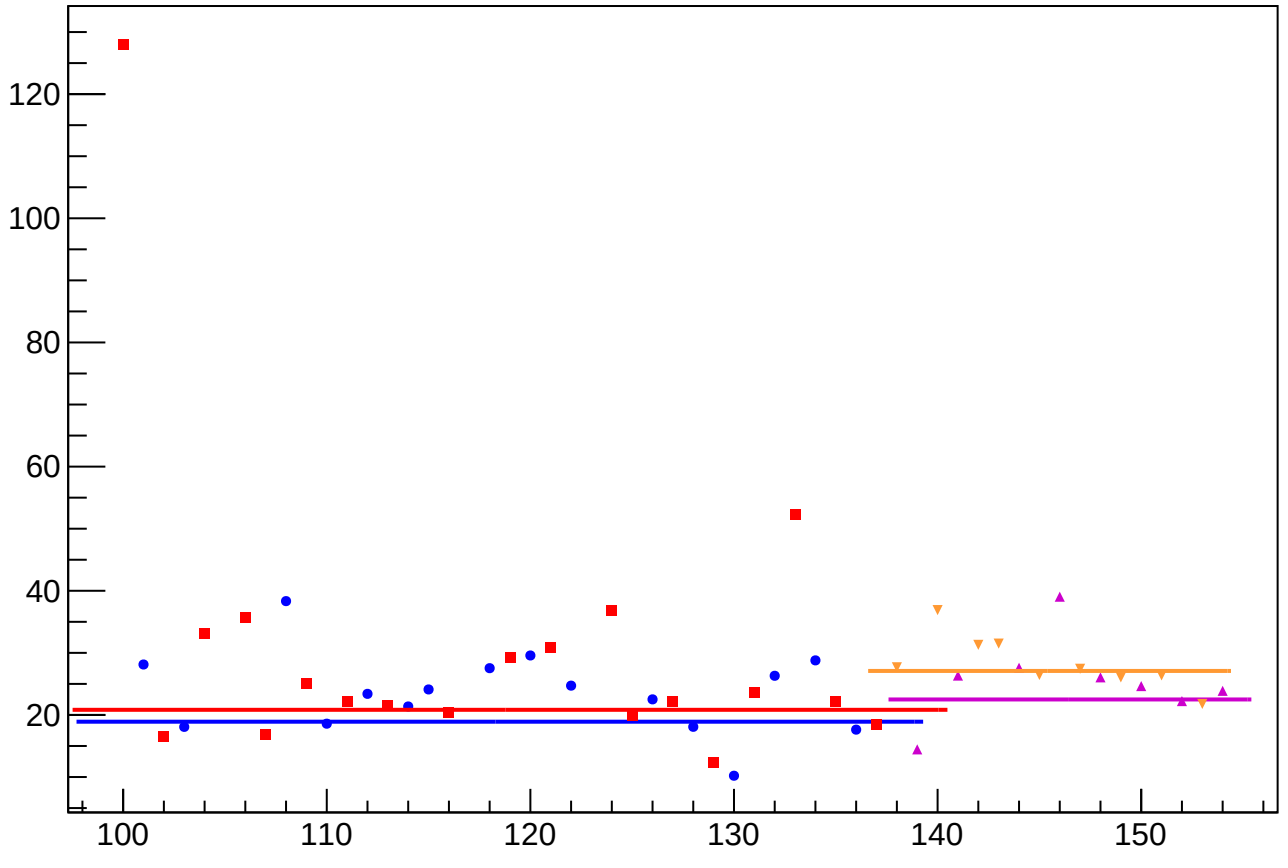
Left: 0.011+/-0.007 χ^2/NDF: 23.6/16

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:28.6/23

Out: -0.007+/-0.007 χ^2/NDF:35.7/27

All: -0.001+/-0.004 χ^2/NDF: 65.9/51



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: 22.493+/-0.006 χ^2/NDF:885780.7/7

Left: 24.418+/-0.005 χ^2/NDF: 1353721.0/16

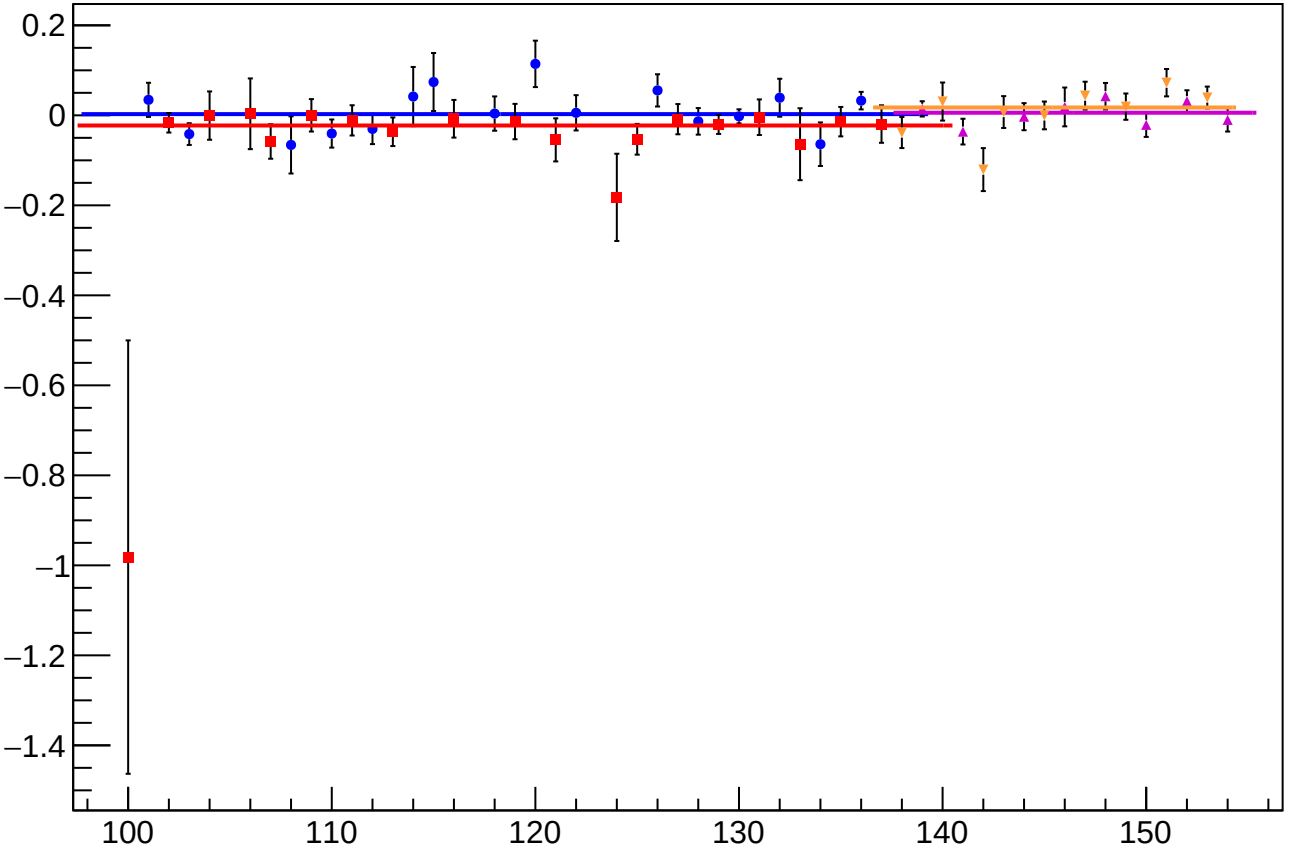
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.427+/-0.004 χ^2/NDF:2454339.5/23

Out: 23.222+/-0.005 χ^2/NDF:1966741.4/27

All: 21.667+/-0.003 χ^2/NDF: 4618380.3/51

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.011 χ^2/NDF:16.3/8

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.009 χ^2/NDF:6.6/7

Left: 0.011+/-0.007 χ^2/NDF: 23.6/16

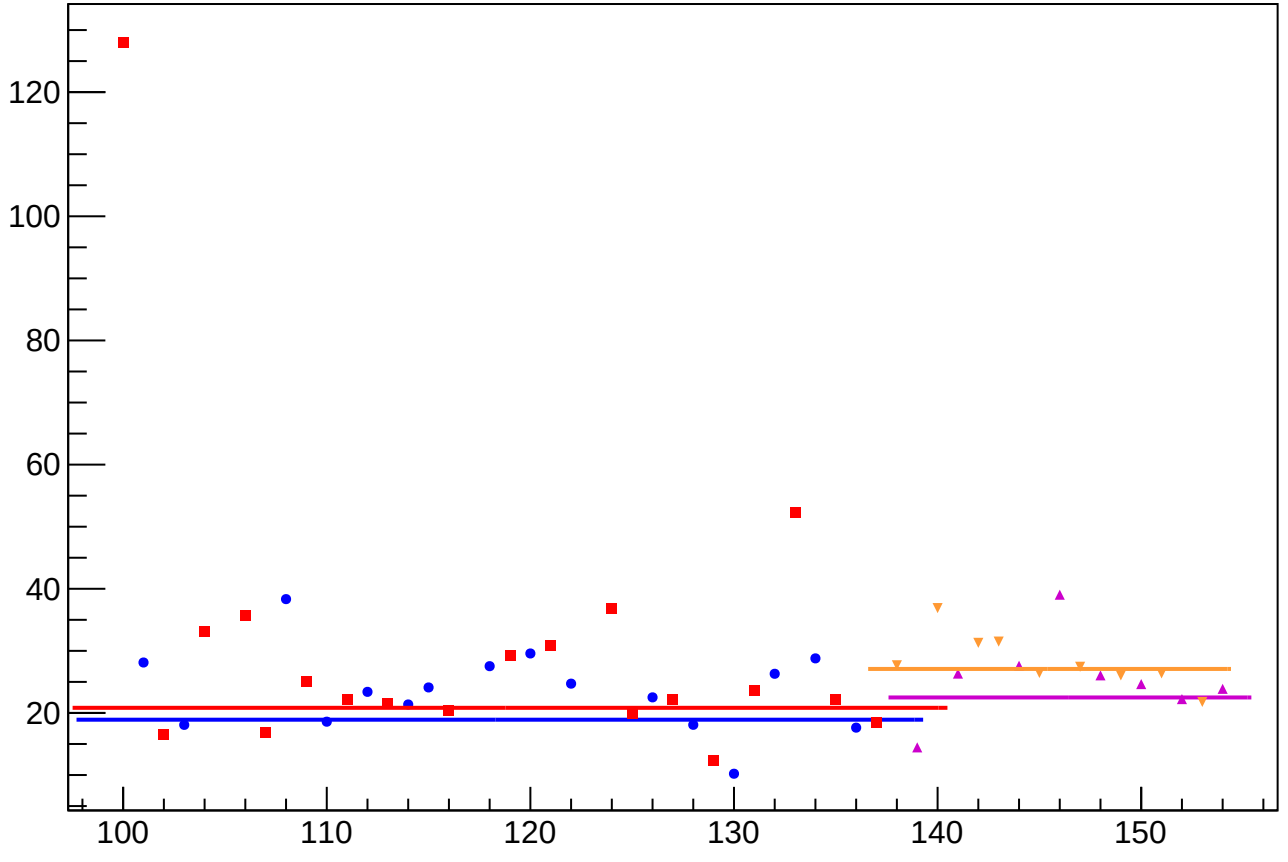
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:28.6/23

Out: -0.007+/-0.007 χ^2/NDF:35.7/27

All: -0.001+/-0.004 χ^2/NDF: 65.9/51

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: 22.493+/-0.006 χ^2/NDF:885780.7/7

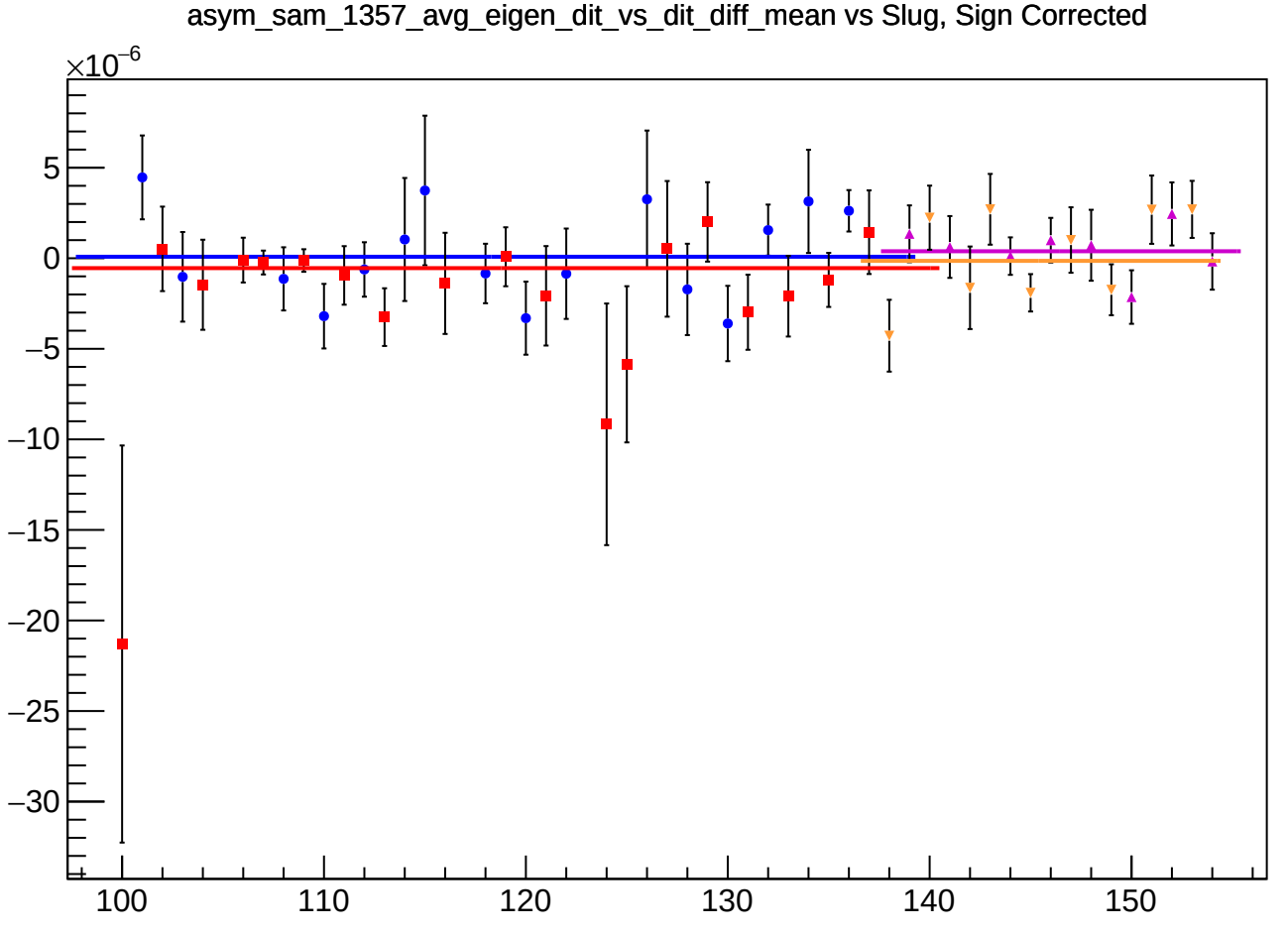
Left: 24.418+/-0.005 χ^2/NDF: 1353721.0/16

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.427+/-0.004 χ^2/NDF:2454339.5/23

Out: 23.222+/-0.005 χ^2/NDF:1966741.4/27

All: 21.667+/-0.003 χ^2/NDF: 4618380.3/51



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:5.2/7

Left: 0.000+/-0.000 χ^2/NDF: 24.5/16

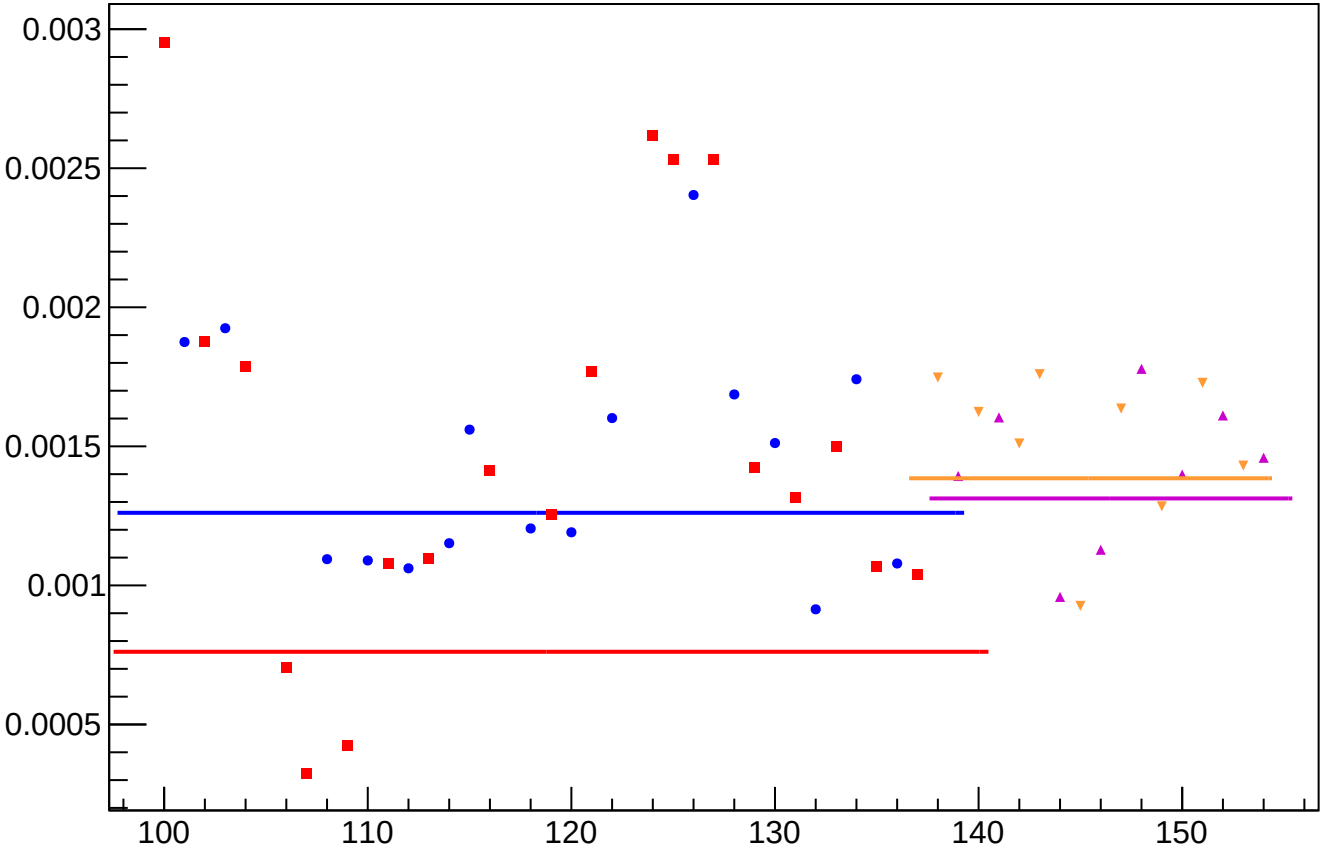
Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:28.9/23

Out: -0.000+/-0.000 χ^2/NDF:34.9/27

All: -0.000+/-0.000 χ^2/NDF: 65.9/51

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:694601.3/8

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:538719.4/7

Left: 0.001+/-0.000 χ^2/NDF: 1252360.0/16

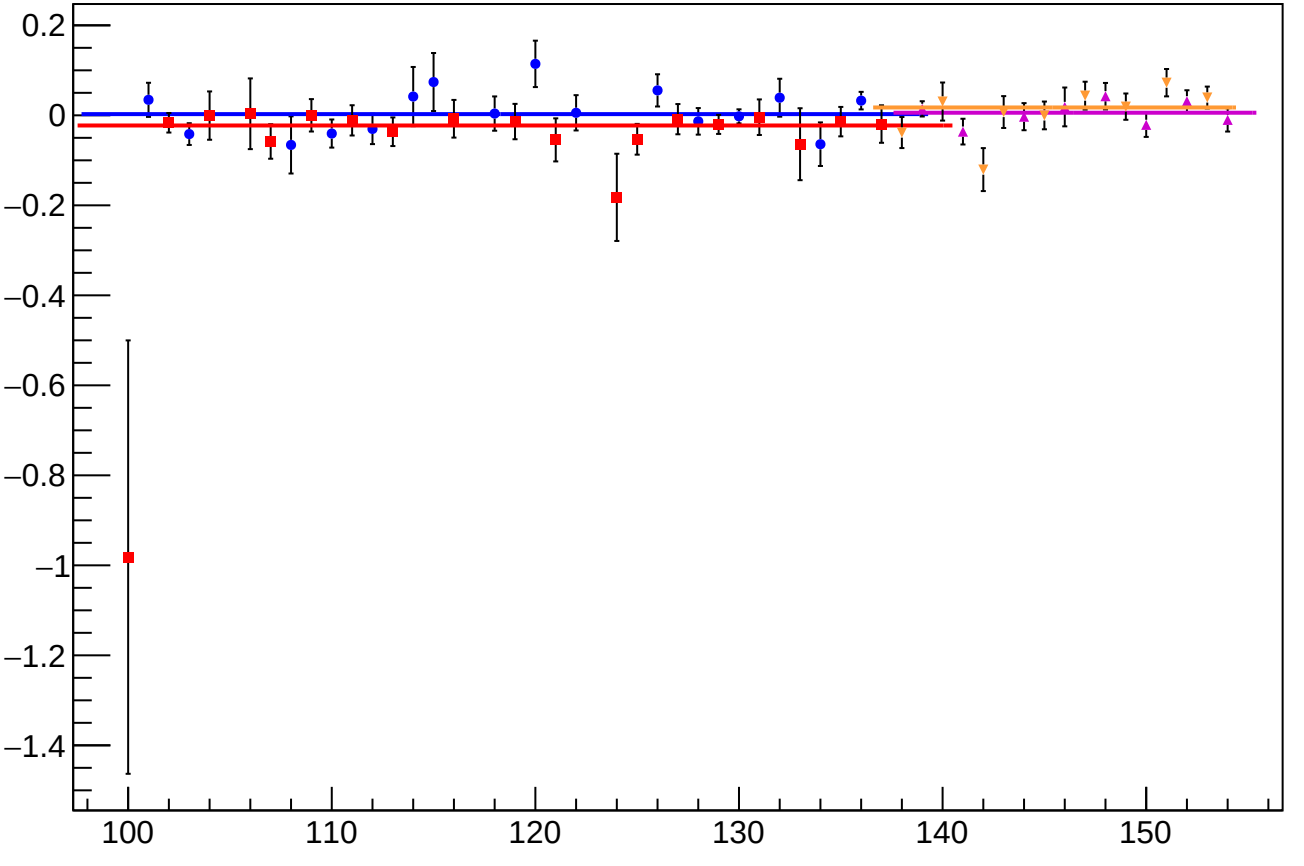
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1456703.0/23

Out: 0.001+/-0.000 χ^2/NDF:7297491.7/27

All: 0.001+/-0.000 χ^2/NDF: 9919195.9/51

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.011 χ^2/NDF:16.3/8

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.009 χ^2/NDF:6.6/7

Left: 0.011+/-0.007 χ^2/NDF: 23.6/16

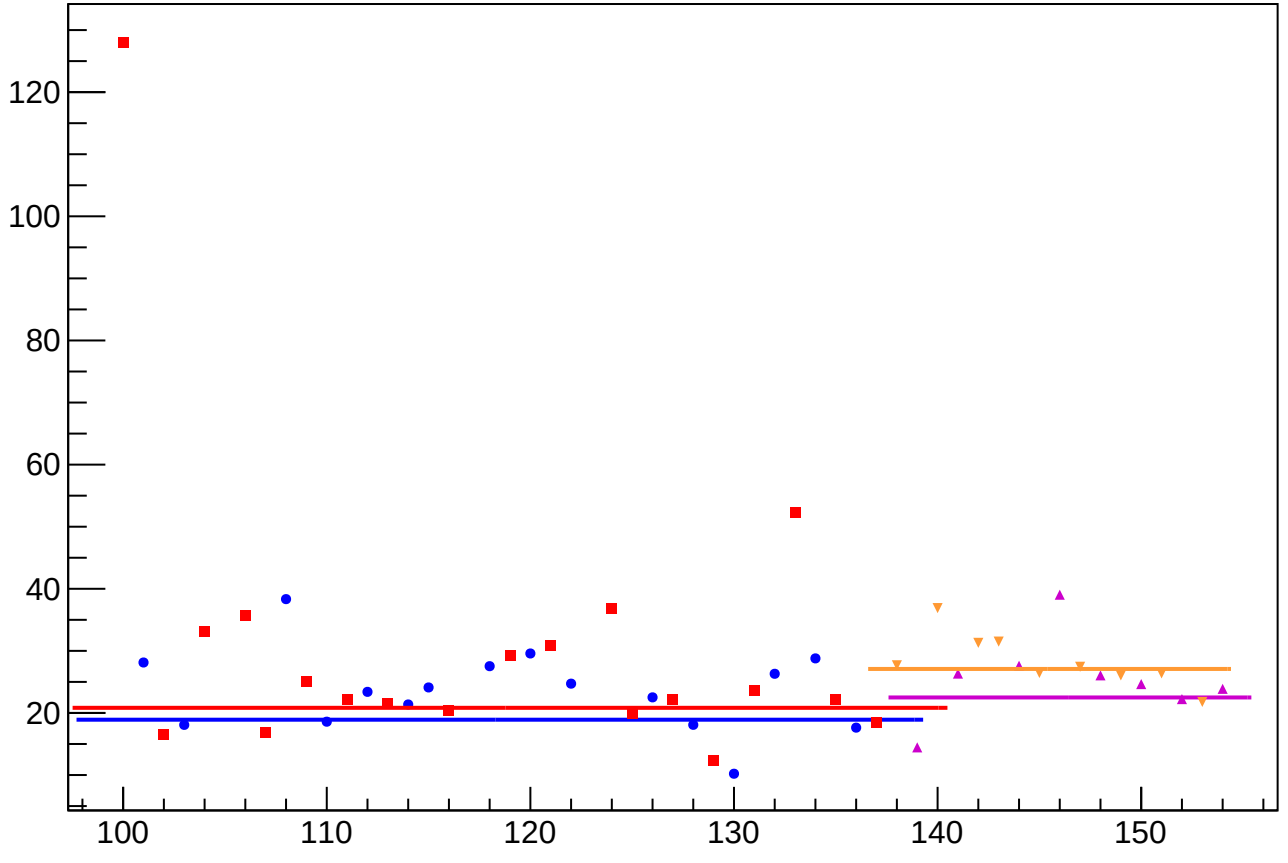
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:28.6/23

Out: -0.007+/-0.007 χ^2/NDF:35.7/27

All: -0.001+/-0.004 χ^2/NDF: 65.9/51

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: 22.494+/-0.006 χ^2/NDF:885705.7/7

Left: 24.419+/-0.005 χ^2/NDF: 1353620.2/16

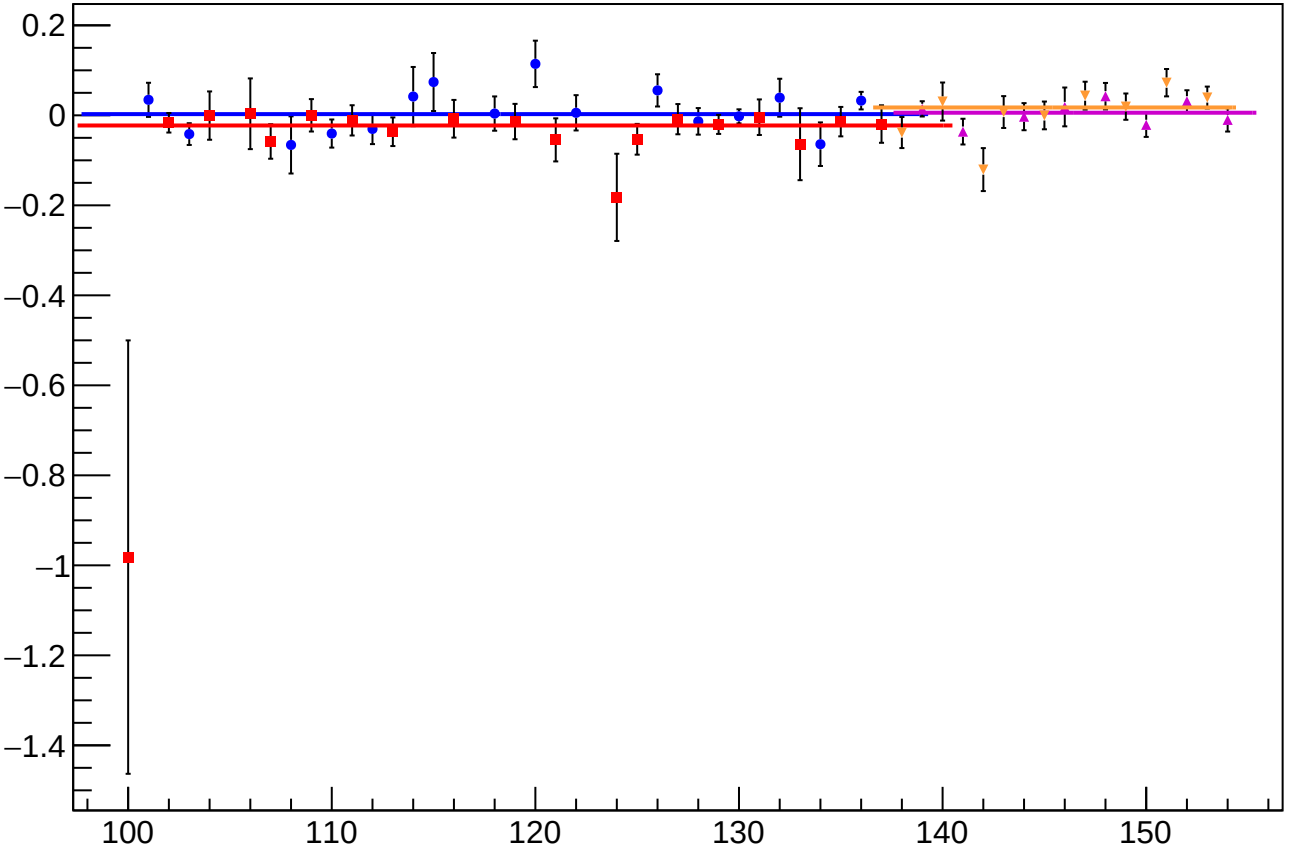
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.427+/-0.004 χ^2/NDF:2454170.0/23

Out: 23.223+/-0.005 χ^2/NDF:1966768.3/27

All: 21.667+/-0.003 χ^2/NDF: 4618204.0/51

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.011 χ^2/NDF:16.3/8

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.009 χ^2/NDF:6.6/7

Left: 0.011+/-0.007 χ^2/NDF: 23.6/16

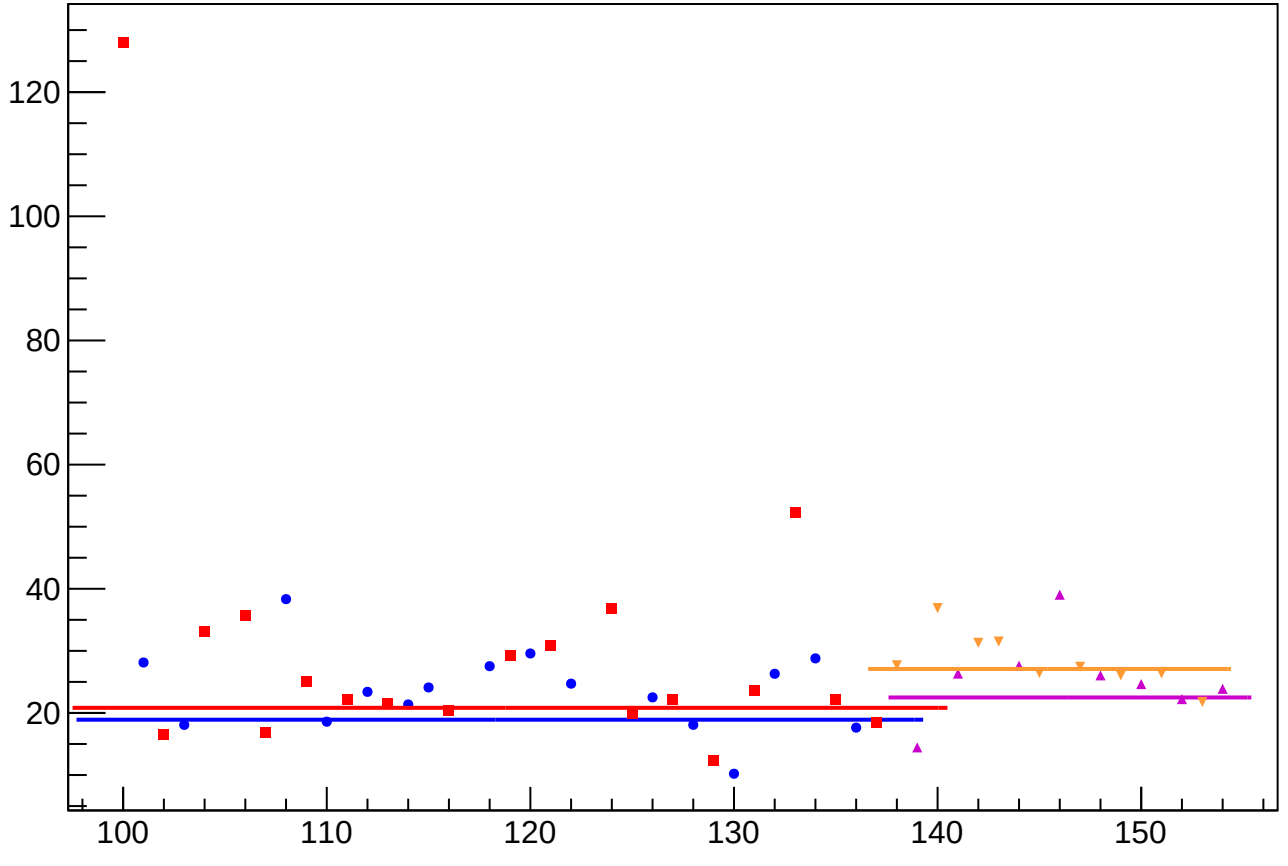
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:28.6/23

Out: -0.007+/-0.007 χ^2/NDF:35.7/27

All: -0.001+/-0.004 χ^2/NDF: 65.9/51

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: 22.494+/-0.006 χ^2/NDF:885705.7/7

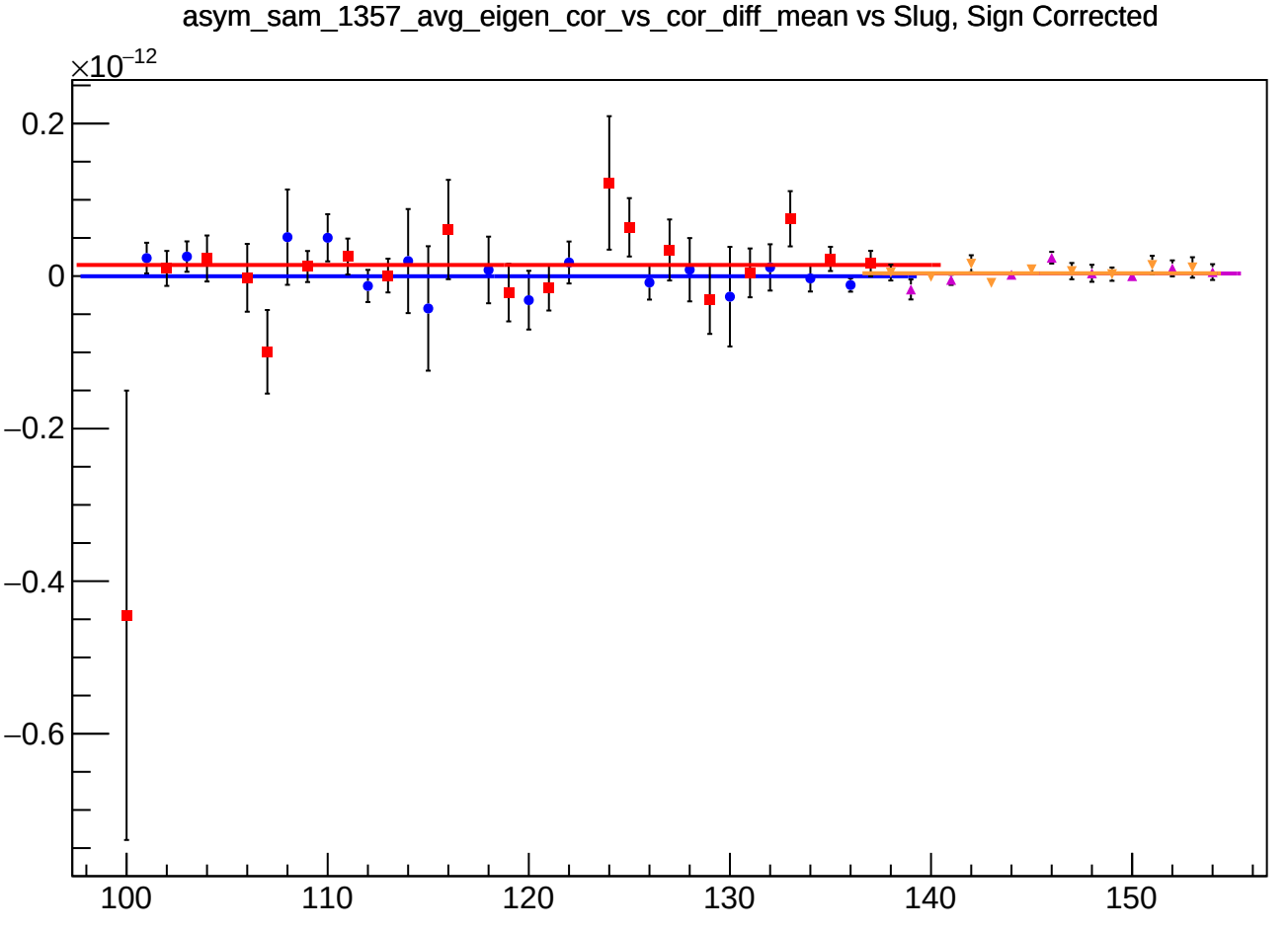
Left: 24.419+/-0.005 χ^2/NDF: 1353620.2/16

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.427+/-0.004 χ^2/NDF:2454170.0/23

Out: 23.223+/-0.005 χ^2/NDF:1966768.3/27

All: 21.667+/-0.003 χ^2/NDF: 4618204.0/51



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:12.2/7

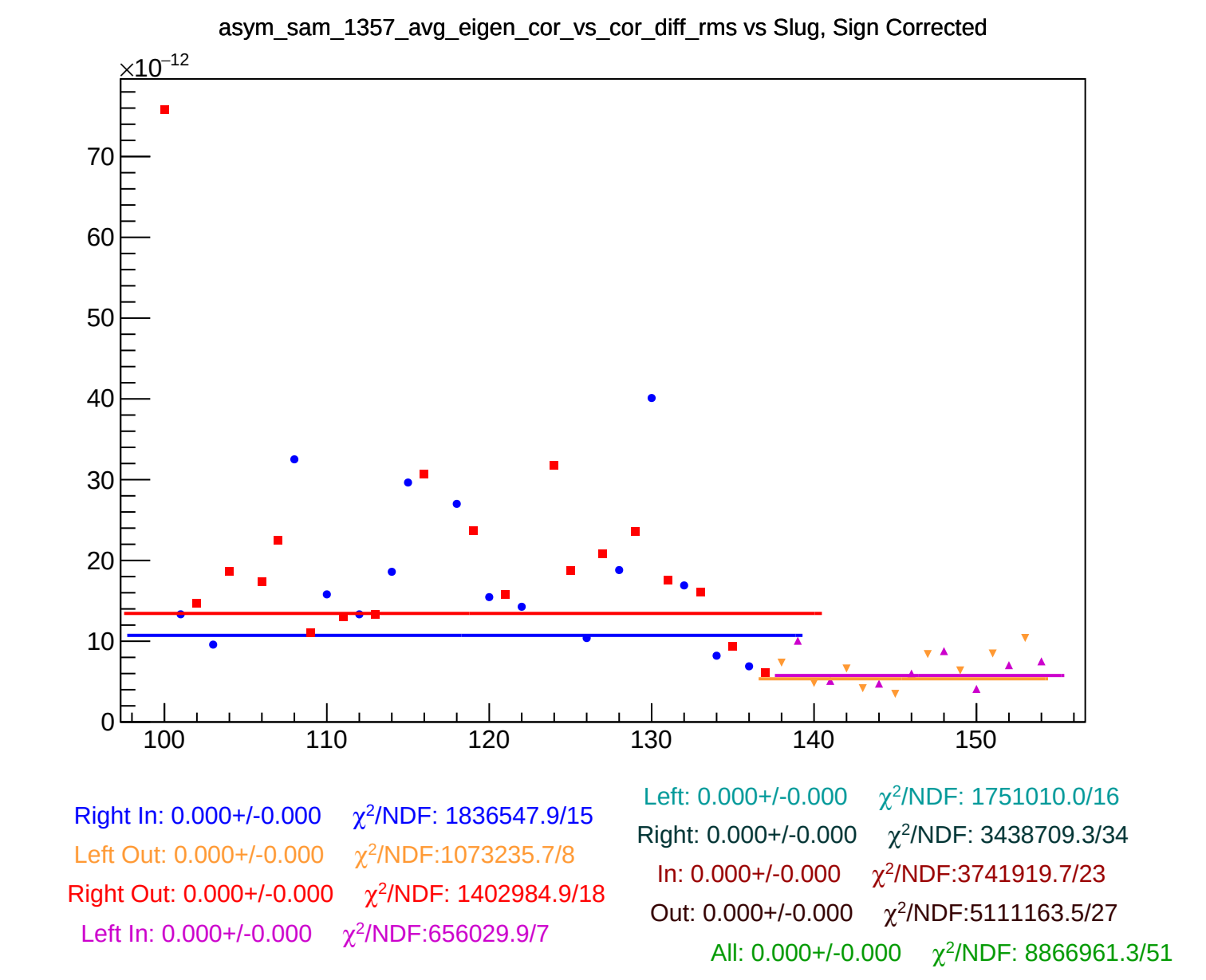
Left: 0.000+/-0.000 χ^2/NDF: 20.2/16

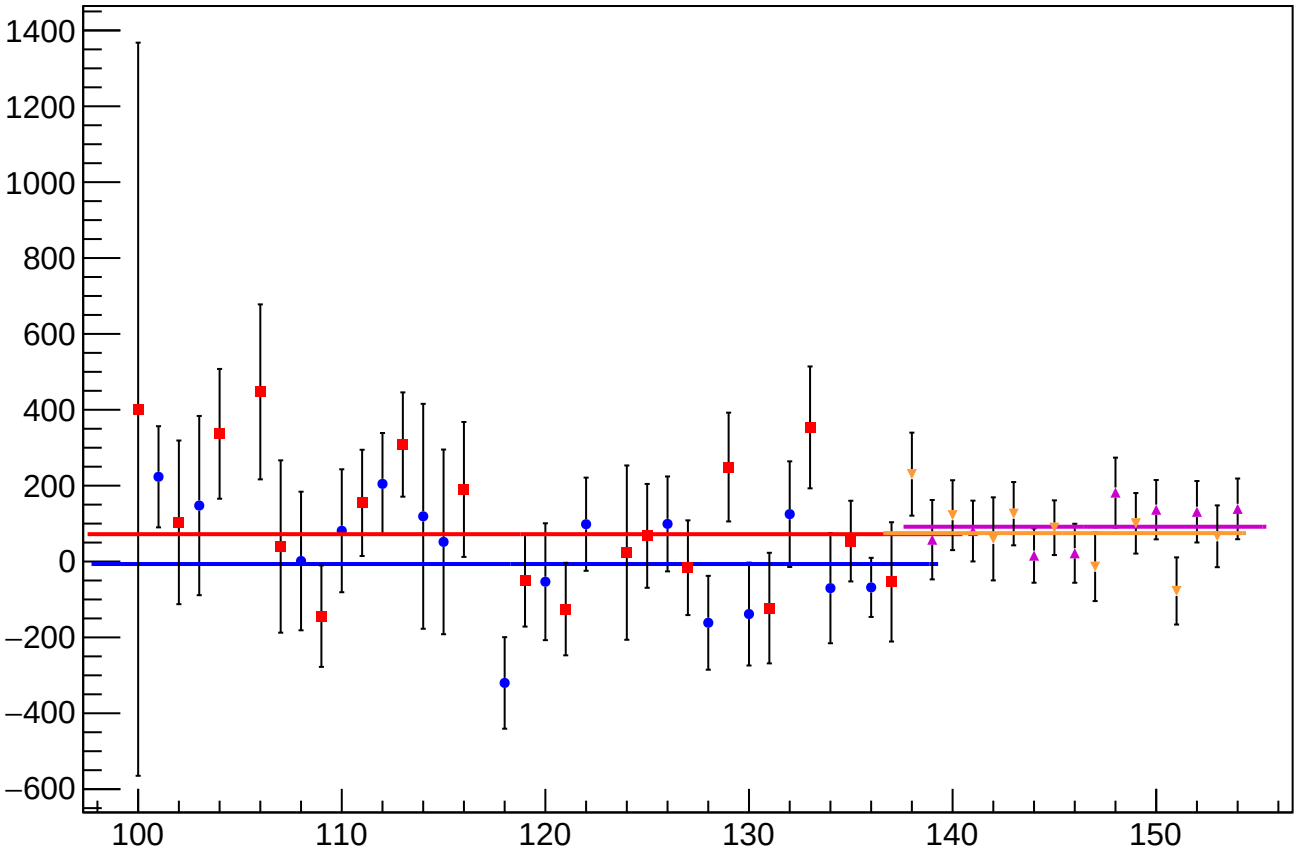
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:23.0/23

Out: 0.000+/-0.000 χ^2/NDF:28.0/27

All: 0.000+/-0.000 χ^2/NDF: 51.6/51


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1073235.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:656029.9/7
Left: 0.000+/-0.000 χ²/NDF: 1751010.0/16
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:3741919.7/23
Out: 0.000+/-0.000 χ²/NDF:5111163.5/27
All: 0.000+/-0.000 χ²/NDF: 8866961.3/51



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: 91.701+/-28.891 χ^2/NDF:3.9/7

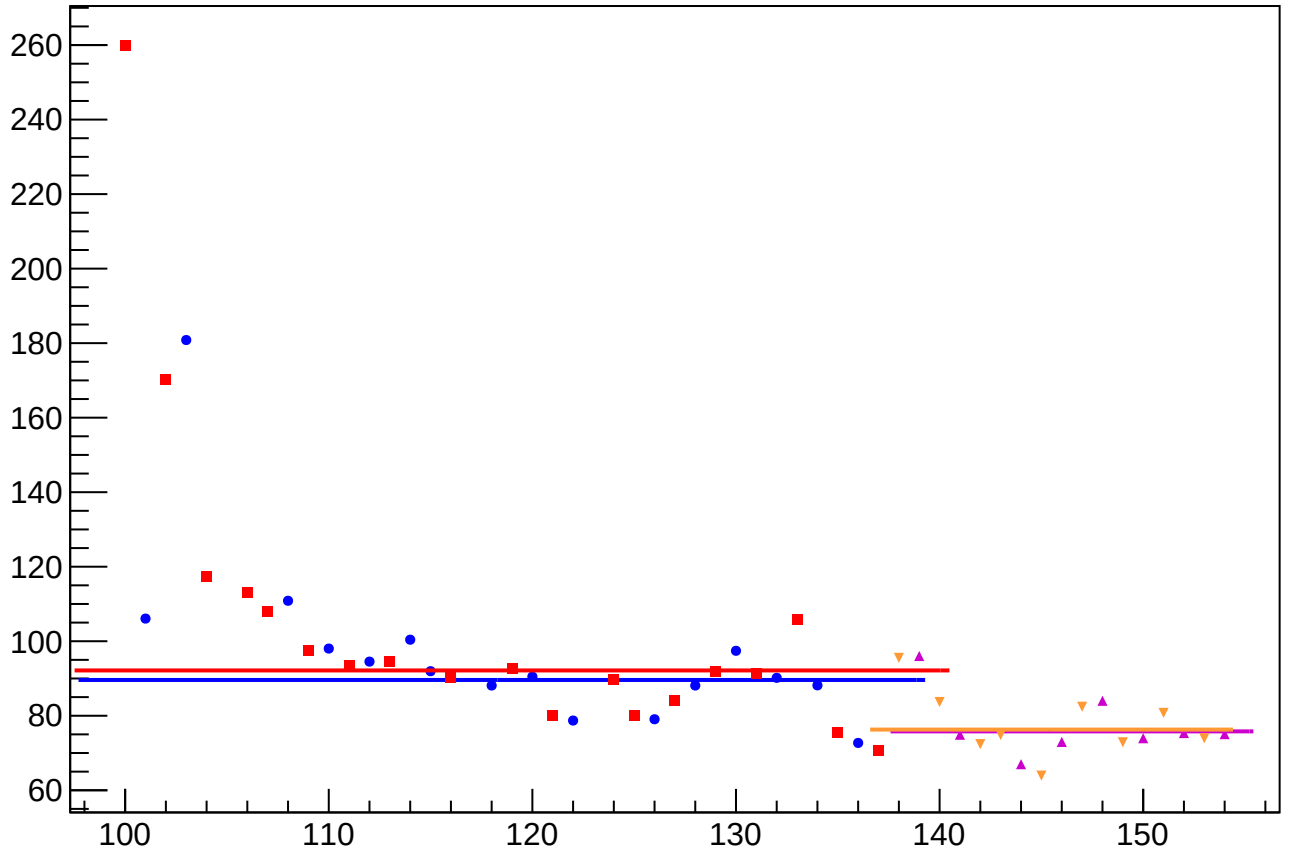
Left: 83.361+/-20.516 χ^2/NDF: 10.9/16

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 50.901+/-22.093 χ^2/NDF:27.7/23

Out: 73.746+/-22.362 χ^2/NDF:29.5/27

All: 62.185+/-15.717 χ^2/NDF: 57.7/51



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: 75.804+/-0.020 χ^2/NDF:125256.5/7

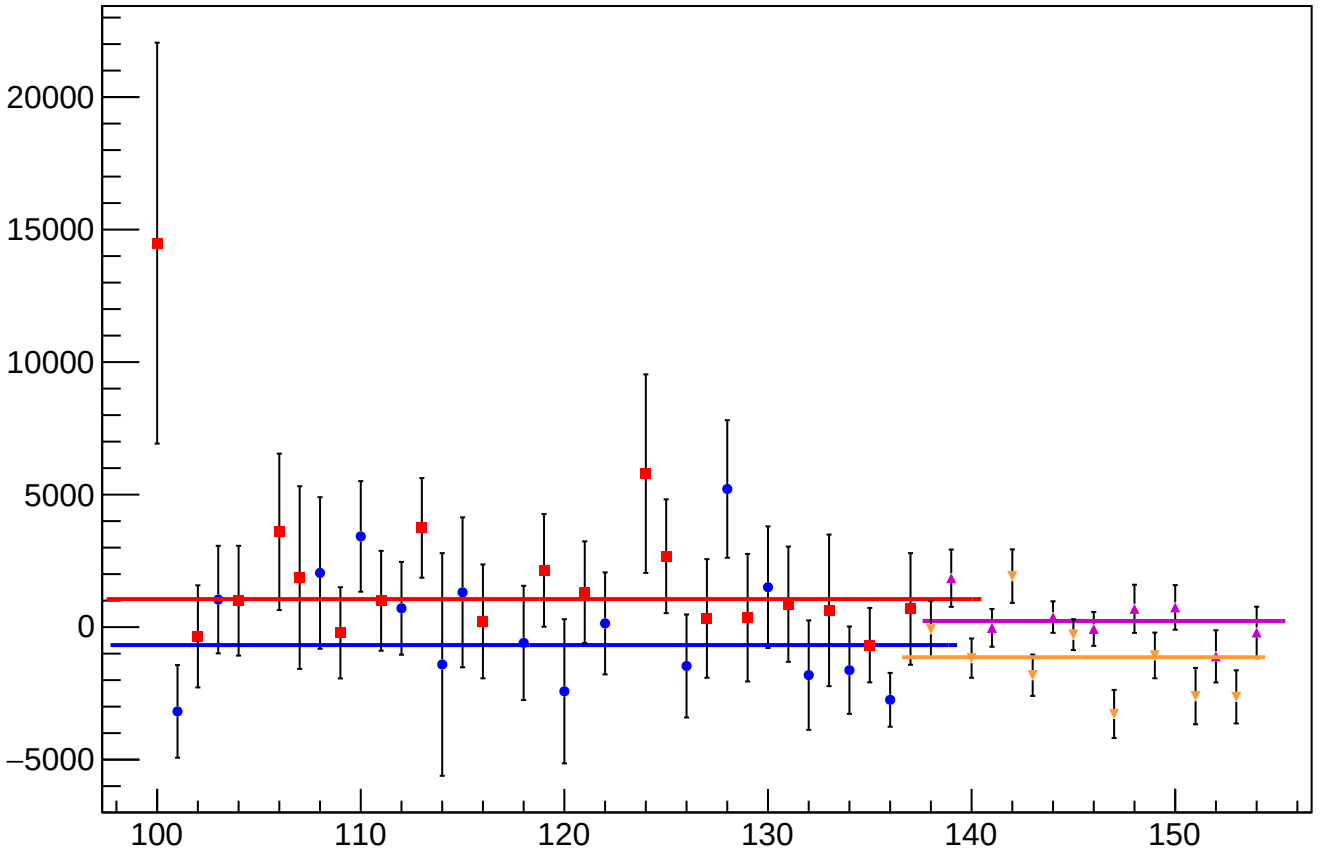
Left: 76.043+/-0.015 χ^2/NDF: 281709.7/16

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 81.534+/-0.016 χ^2/NDF:813086.7/23

Out: 82.810+/-0.016 χ^2/NDF:942241.2/27

All: 82.164+/-0.011 χ^2/NDF: 1758623.0/51



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: 231.907+/-279.379 χ^2/NDF:5.3/7

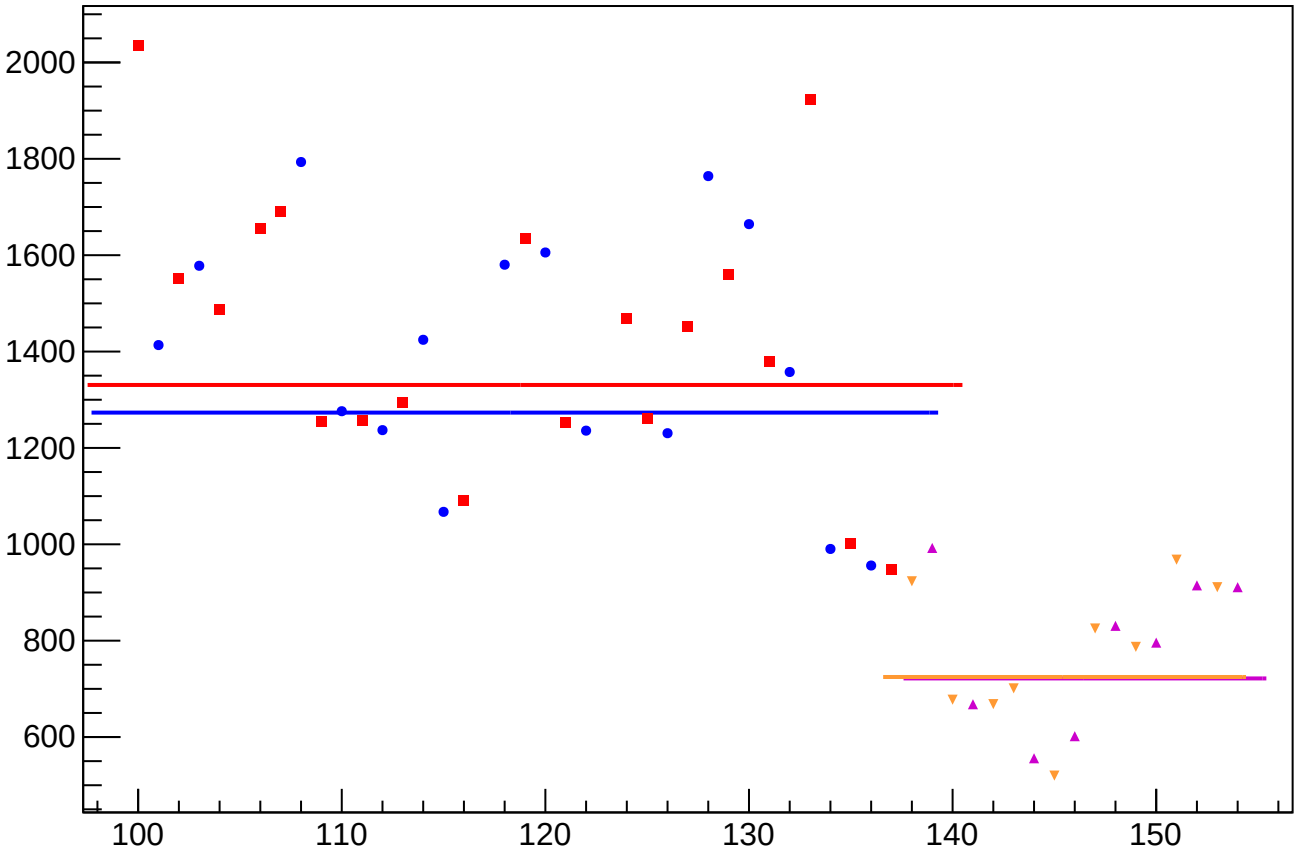
Left: -450.050+/-197.884 χ^2/NDF: 40.0/16

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 6.395+/-242.270 χ^2/NDF:28.2/23

Out: -605.719+/-244.086 χ^2/NDF:49.1/27

All: -297.375+/-171.949 χ^2/NDF: 80.4/51



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: 721.637+/-0.198 χ^2/NDF:559694.4/7

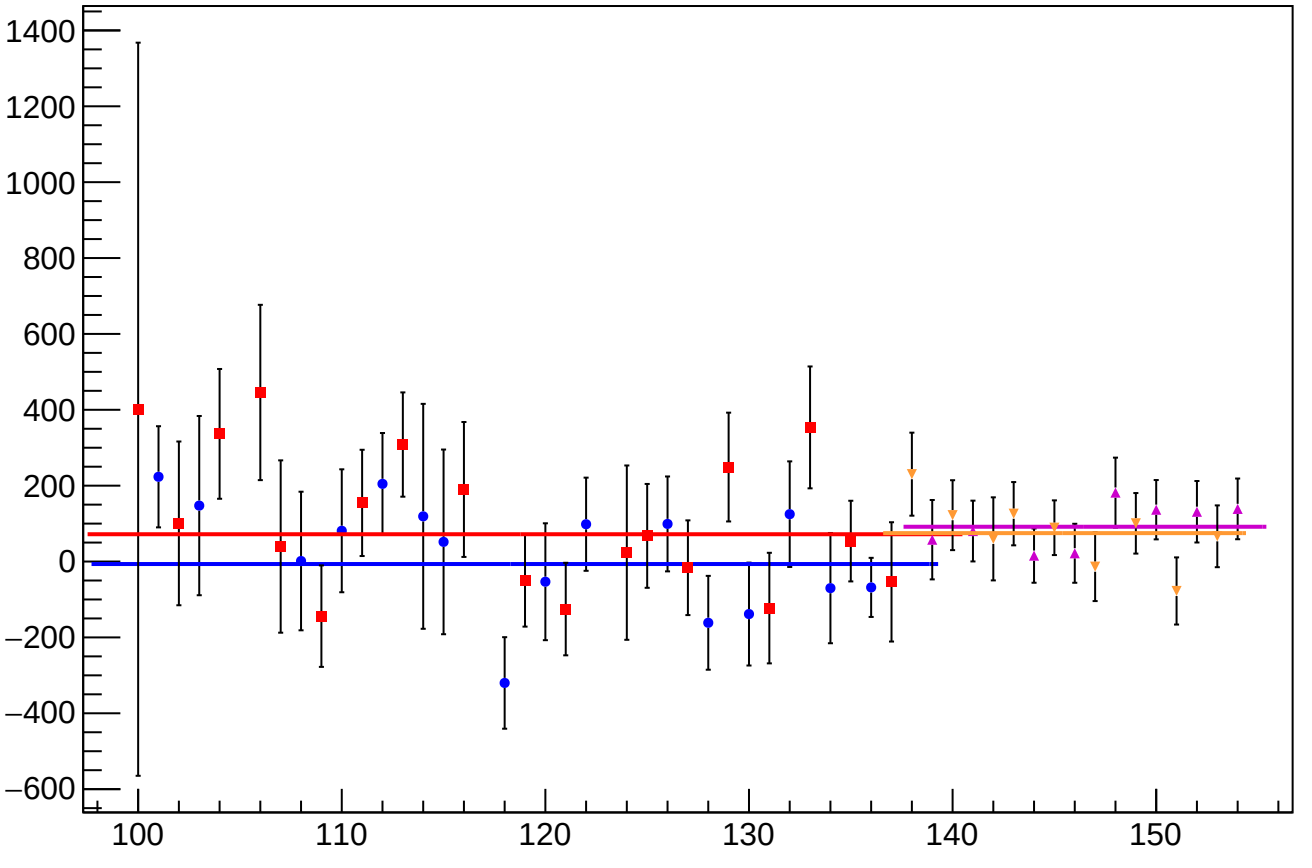
Left: 723.130+/-0.140 χ^2/NDF: 1102683.3/16

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 858.461+/-0.171 χ^2/NDF:3091400.9/23

Out: 871.194+/-0.173 χ^2/NDF:3274248.2/27

All: 864.780+/-0.122 χ^2/NDF: 6368391.0/51



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: 91.700+/-28.891 χ^2/NDF:3.9/7

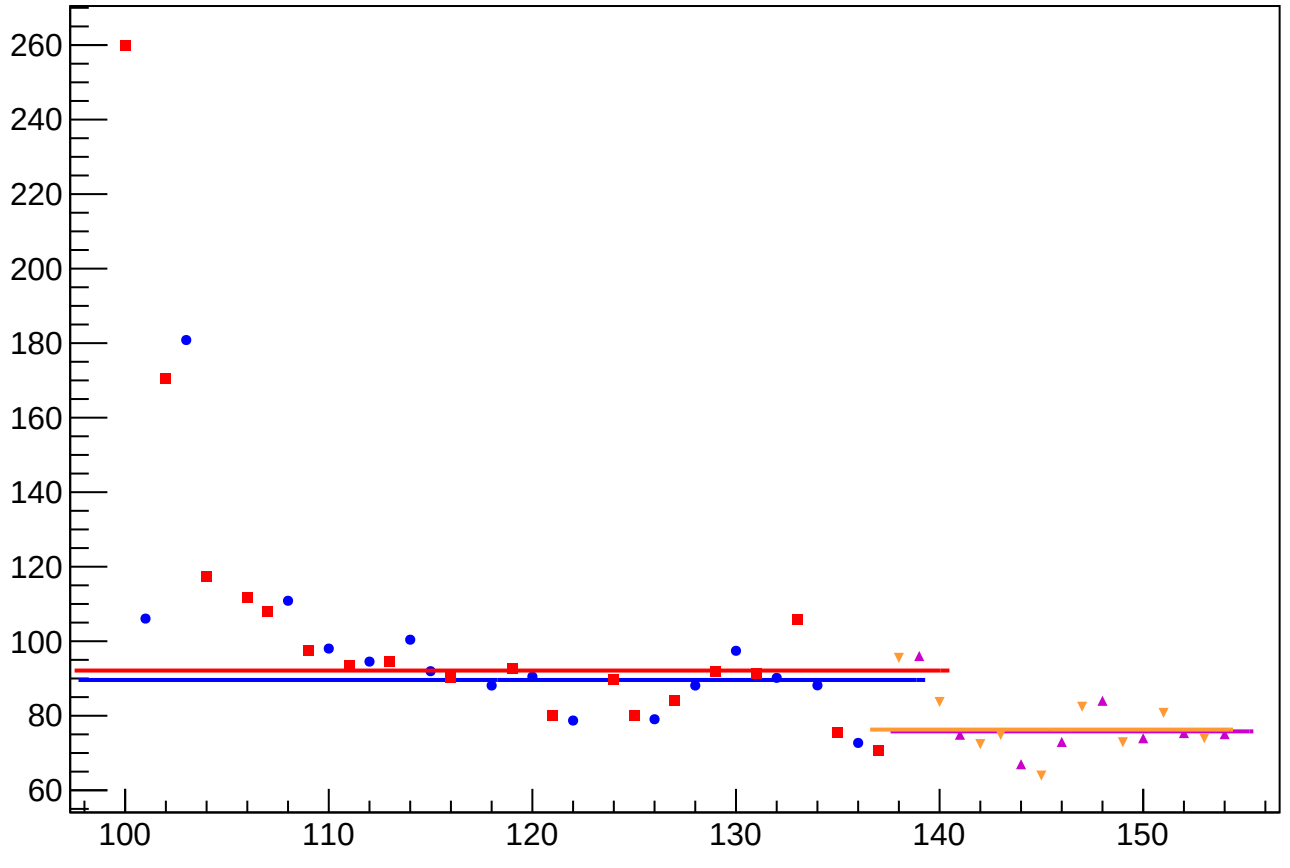
Left: 83.365+/-20.516 χ^2/NDF: 10.9/16

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 50.897+/-22.093 χ^2/NDF:27.7/23

Out: 73.693+/-22.363 χ^2/NDF:29.5/27

All: 62.157+/-15.717 χ^2/NDF: 57.7/51



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: 75.804+/-0.020 χ^2/NDF:125256.5/7

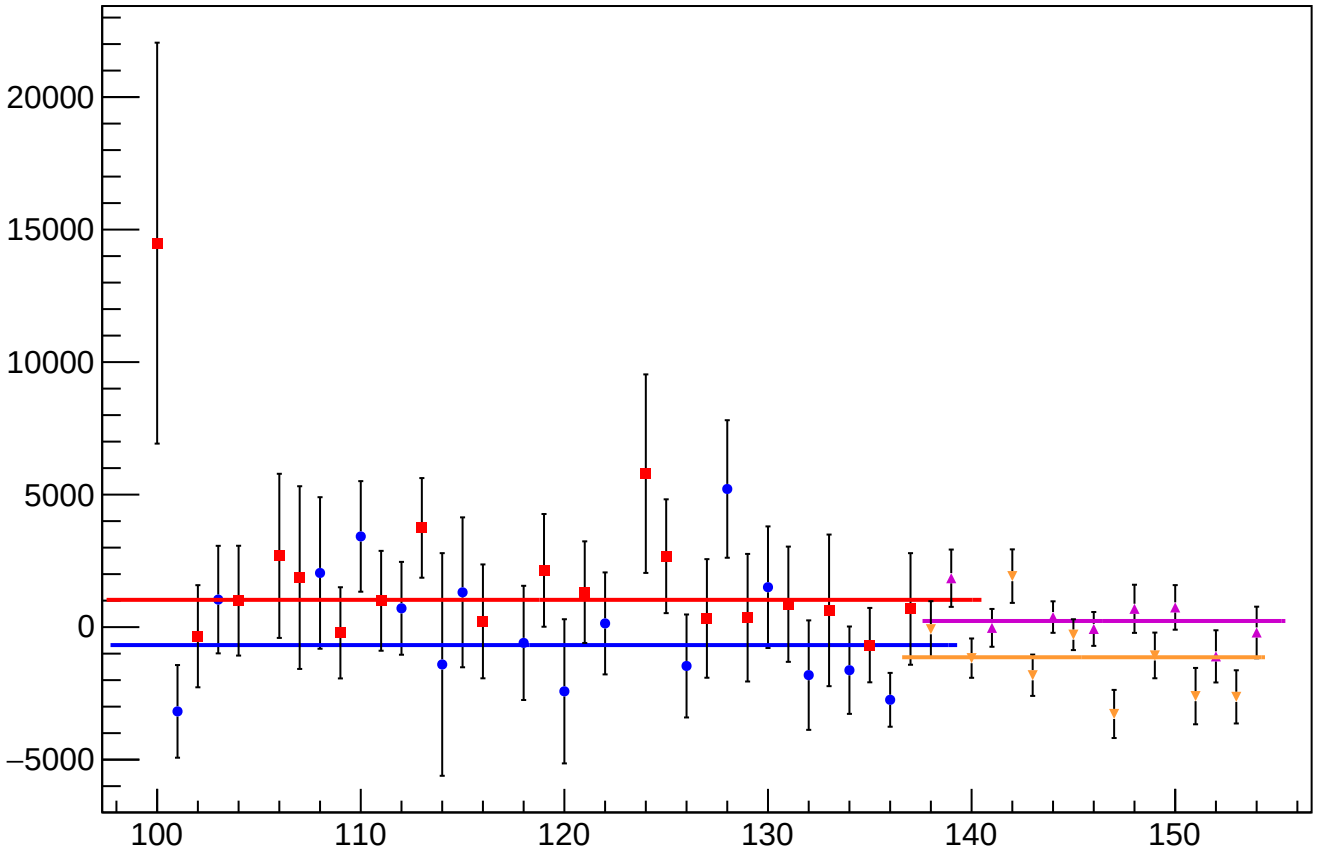
Left: 76.043+/-0.015 χ^2/NDF: 281709.7/16

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 81.534+/-0.016 χ^2/NDF:813090.2/23

Out: 82.797+/-0.016 χ^2/NDF:939483.3/27

All: 82.158+/-0.011 χ^2/NDF: 1755799.3/51



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: 231.912+/-279.379 χ^2/NDF:5.3/7

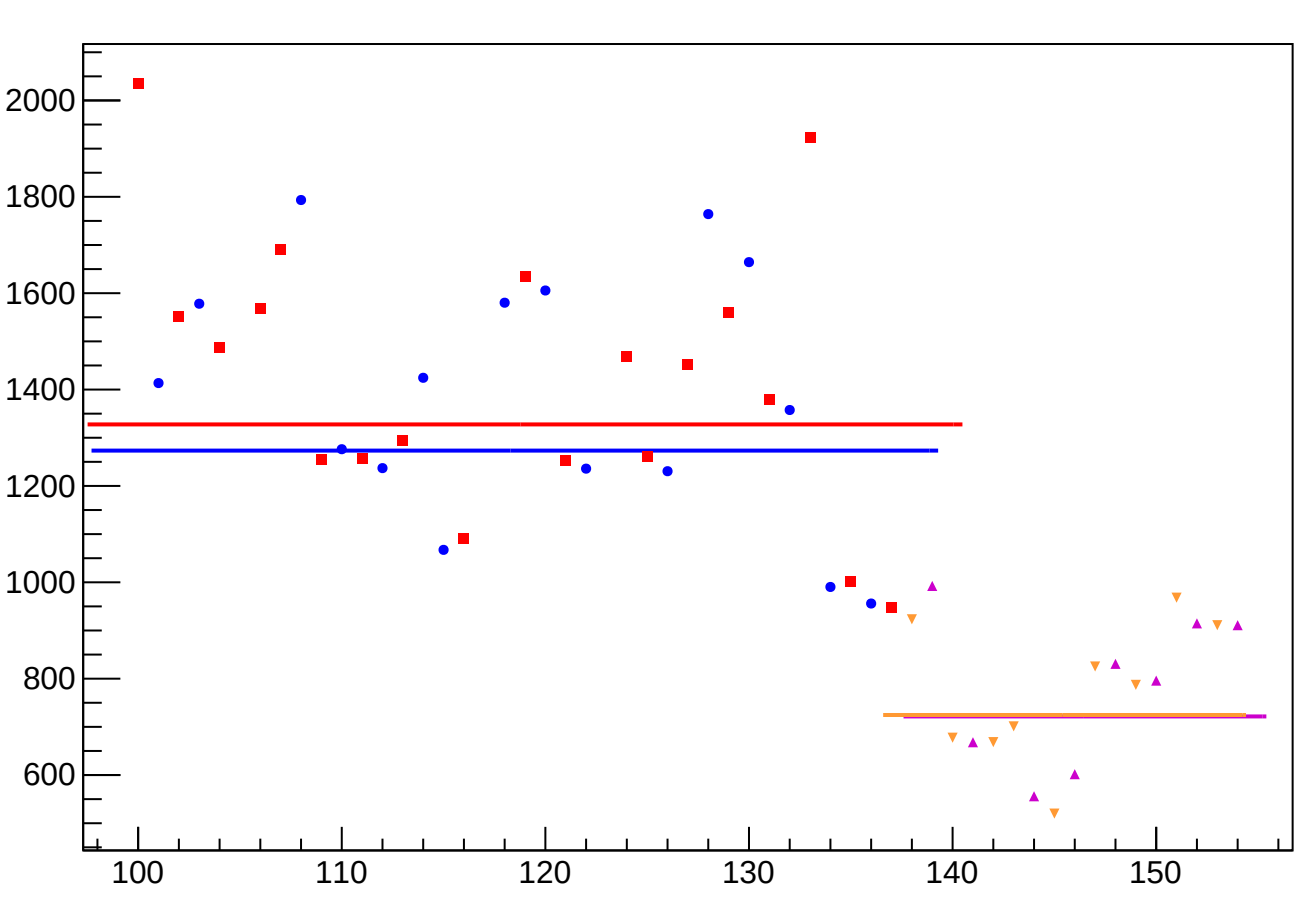
Left: -450.044+/-197.884 χ^2/NDF: 40.0/16

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 6.409+/-242.270 χ^2/NDF:28.2/23

Out: -613.880+/-244.166 χ^2/NDF:48.2/27

All: -301.319+/-171.977 χ^2/NDF: 79.6/51



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: 721.637+/-0.198 χ^2/NDF:559692.8/7

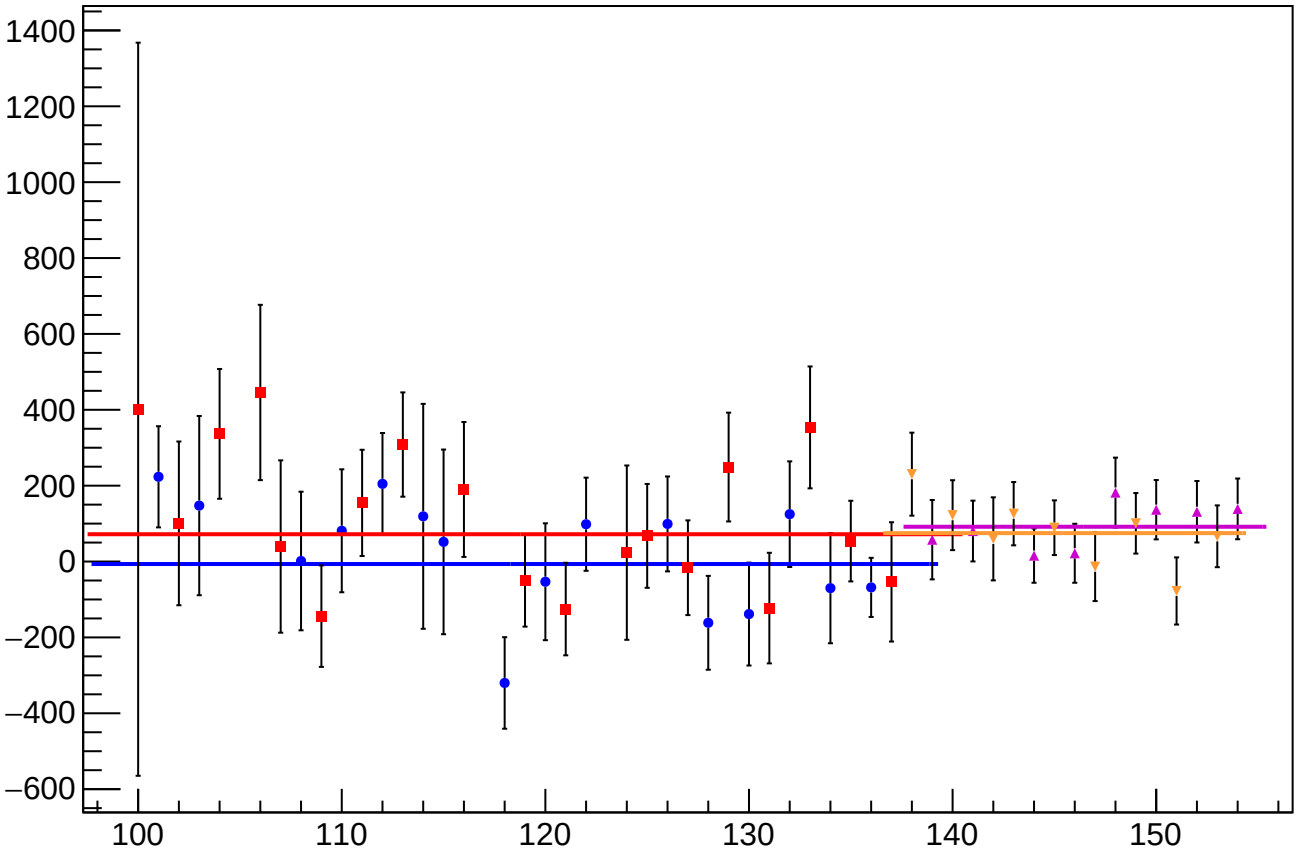
Left: 723.130+/-0.140 χ^2/NDF: 1102684.7/16

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 858.461+/-0.171 χ^2/NDF:3091436.4/23

Out: 870.166+/-0.173 χ^2/NDF:3234981.3/27

All: 864.268+/-0.122 χ^2/NDF: 6328733.7/51



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: 91.700+/-28.891 χ^2/NDF:3.9/7

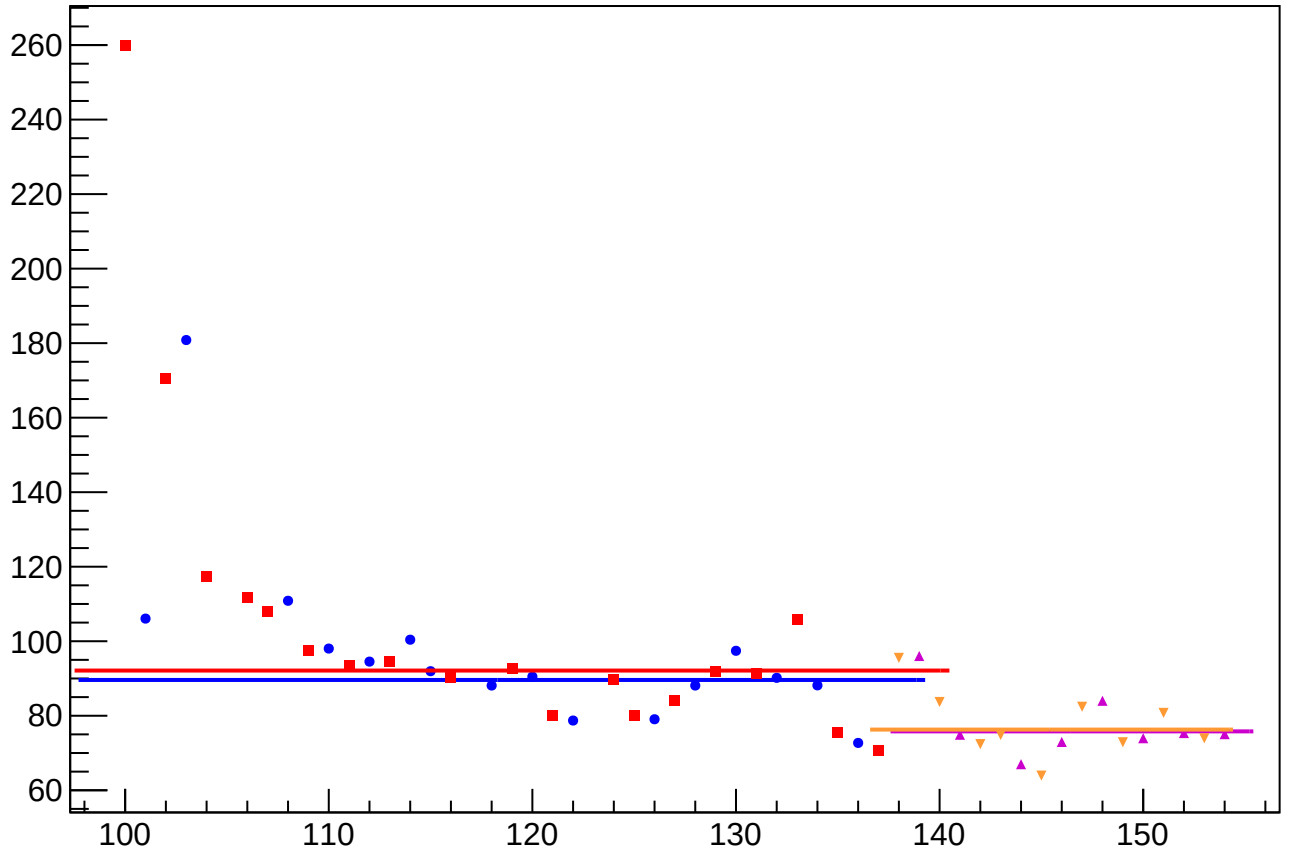
Left: 83.365+/-20.516 χ^2/NDF: 10.9/16

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 50.897+/-22.093 χ^2/NDF:27.7/23

Out: 73.693+/-22.363 χ^2/NDF:29.5/27

All: 62.157+/-15.717 χ^2/NDF: 57.7/51



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: 75.804+/-0.020 χ^2/NDF:125256.5/7

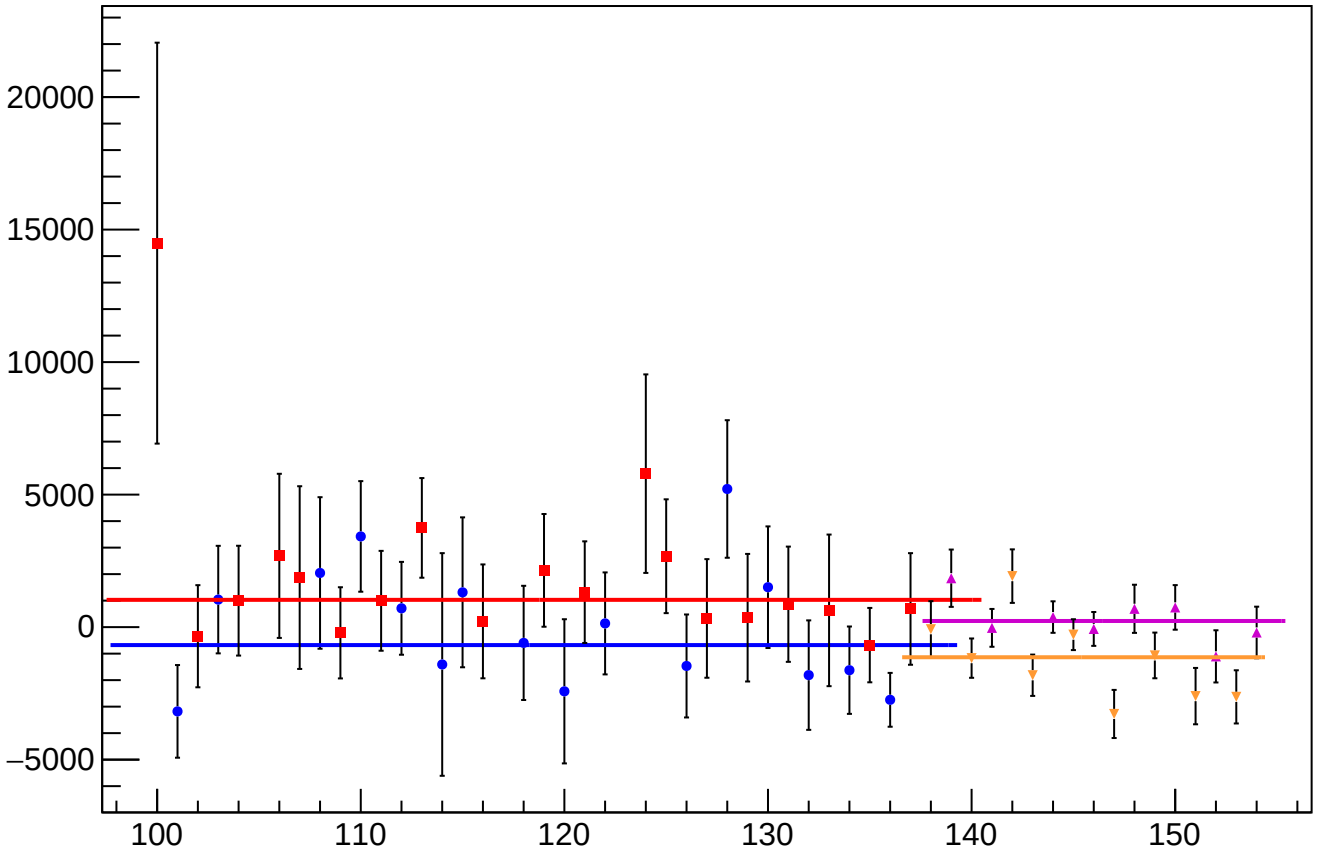
Left: 76.043+/-0.015 χ^2/NDF: 281709.7/16

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 81.534+/-0.016 χ^2/NDF:813090.2/23

Out: 82.797+/-0.016 χ^2/NDF:939483.3/27

All: 82.158+/-0.011 χ^2/NDF: 1755799.3/51



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: 231.912+/-279.379 χ^2/NDF:5.3/7

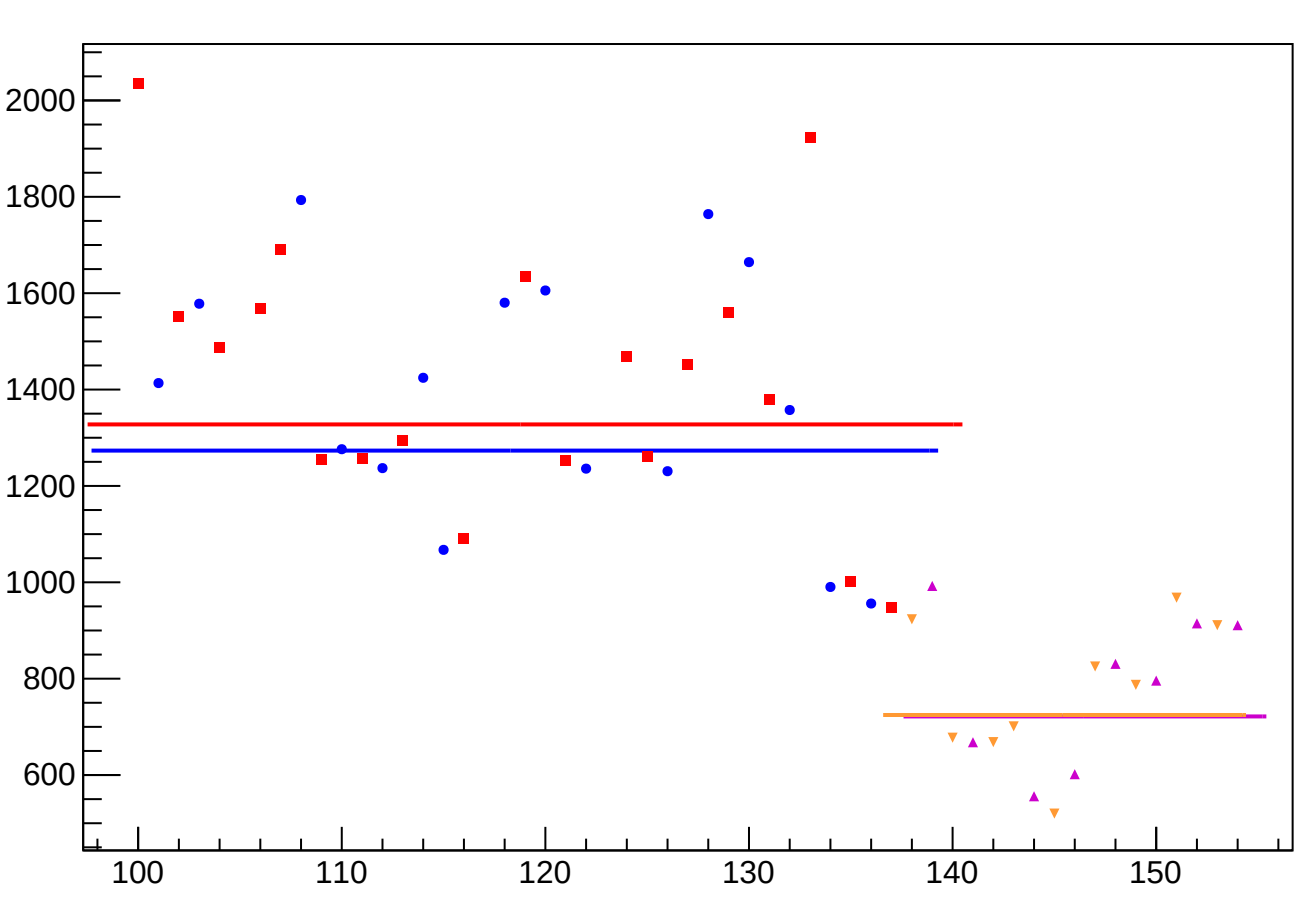
Left: -450.044+/-197.884 χ^2/NDF: 40.0/16

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 6.409+/-242.270 χ^2/NDF:28.2/23

Out: -613.880+/-244.166 χ^2/NDF:48.2/27

All: -301.319+/-171.977 χ^2/NDF: 79.6/51



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: 721.637+/-0.198 χ^2/NDF:559692.8/7

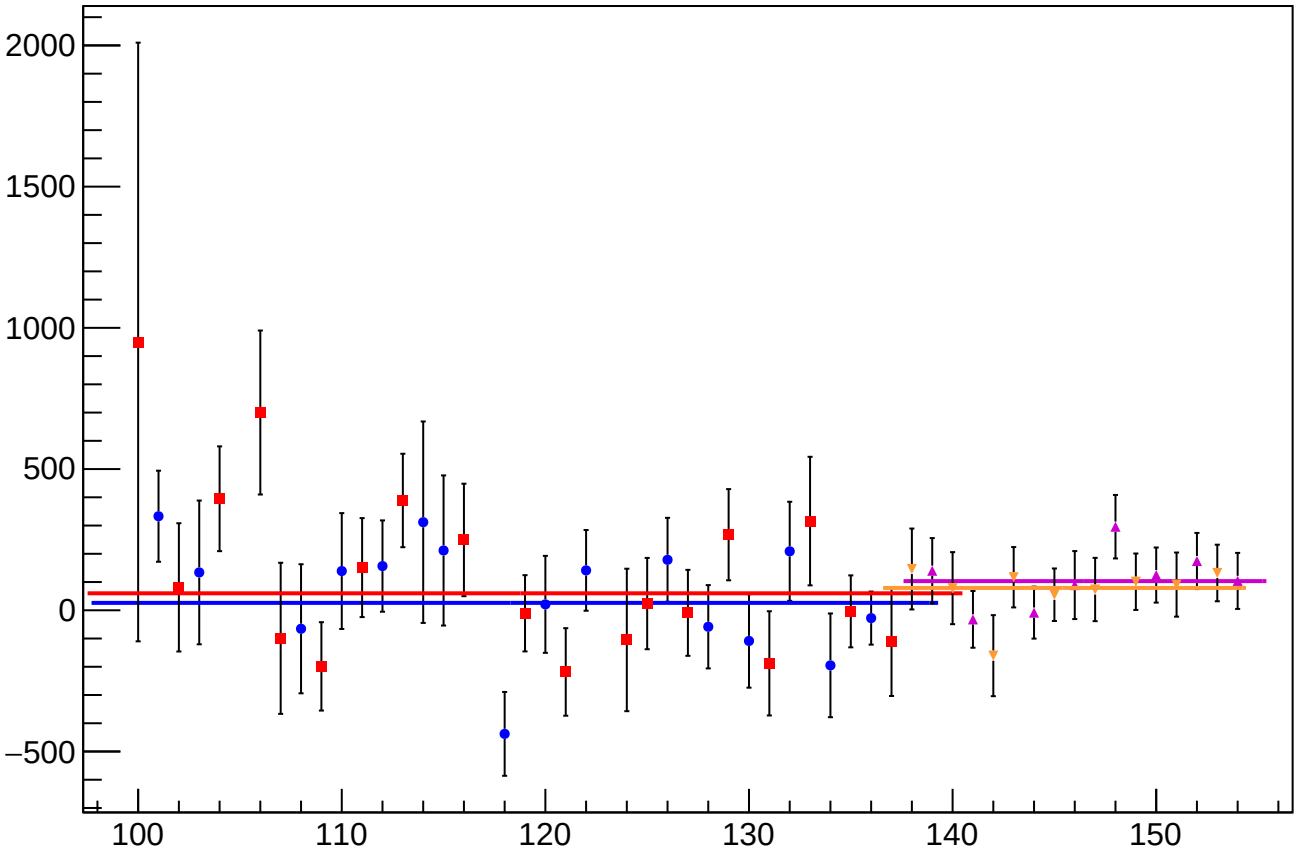
Left: 723.130+/-0.140 χ^2/NDF: 1102684.7/16

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 858.461+/-0.171 χ^2/NDF:3091436.4/23

Out: 870.166+/-0.173 χ^2/NDF:3234981.3/27

All: 864.268+/-0.122 χ^2/NDF: 6328733.7/51



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: 103.267+/-36.564 χ^2/NDF:6.9/7

Left: 91.463+/-26.107 χ^2/NDF: 10.7/16

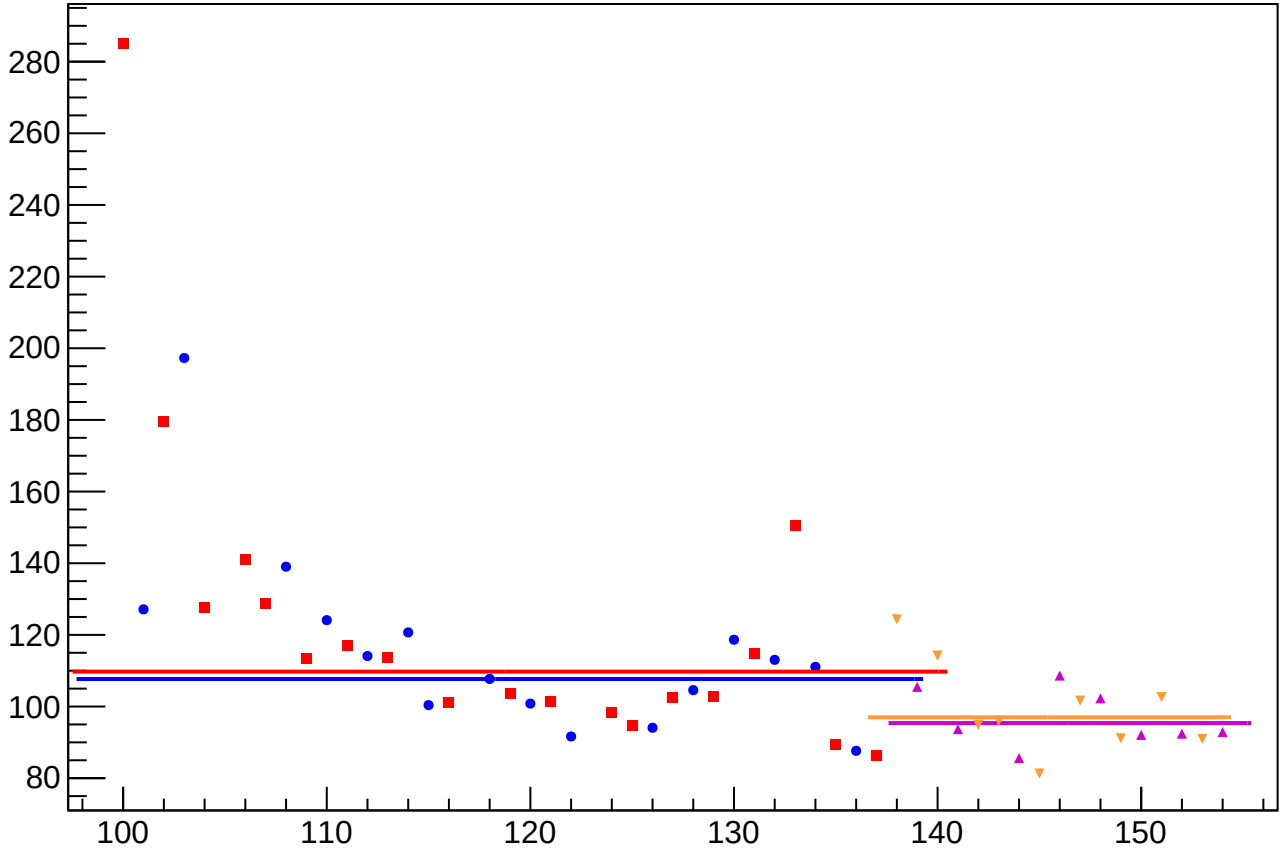
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 69.352+/-27.353 χ^2/NDF:30.2/23

Out: 70.677+/-27.745 χ^2/NDF:30.7/27

All: 70.005+/-19.479 χ^2/NDF: 60.9/51

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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: 95.389+/-0.026 χ^2/NDF:75519.8/7

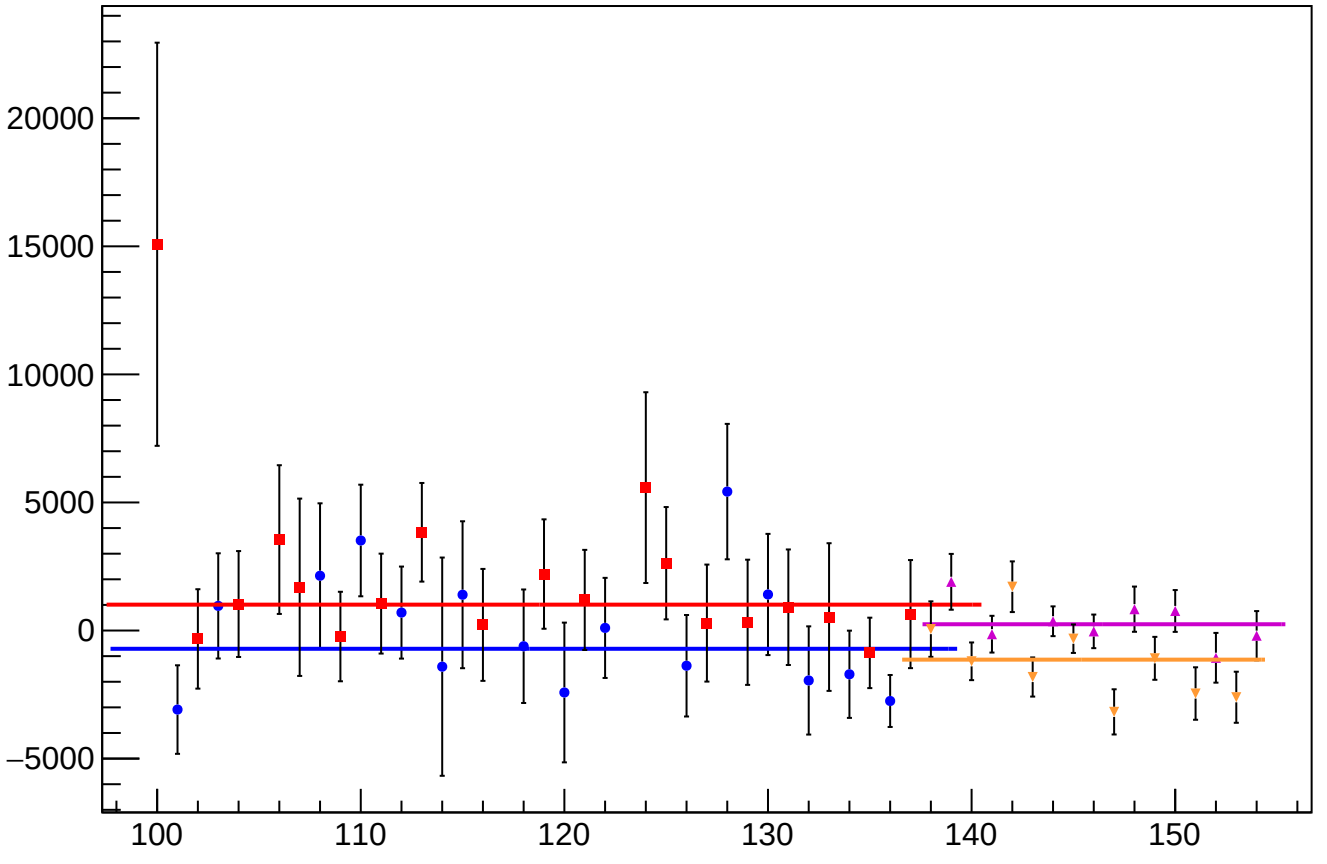
Left: 96.173+/-0.018 χ^2/NDF: 266992.6/16

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 100.801+/-0.019 χ^2/NDF:658158.0/23

Out: 102.680+/-0.020 χ^2/NDF:785773.3/27

All: 101.727+/-0.014 χ^2/NDF: 1448580.5/51



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: 245.421+/-277.352 χ^2/NDF:5.7/7

Left: -454.311+/-194.886 χ^2/NDF: 39.9/16

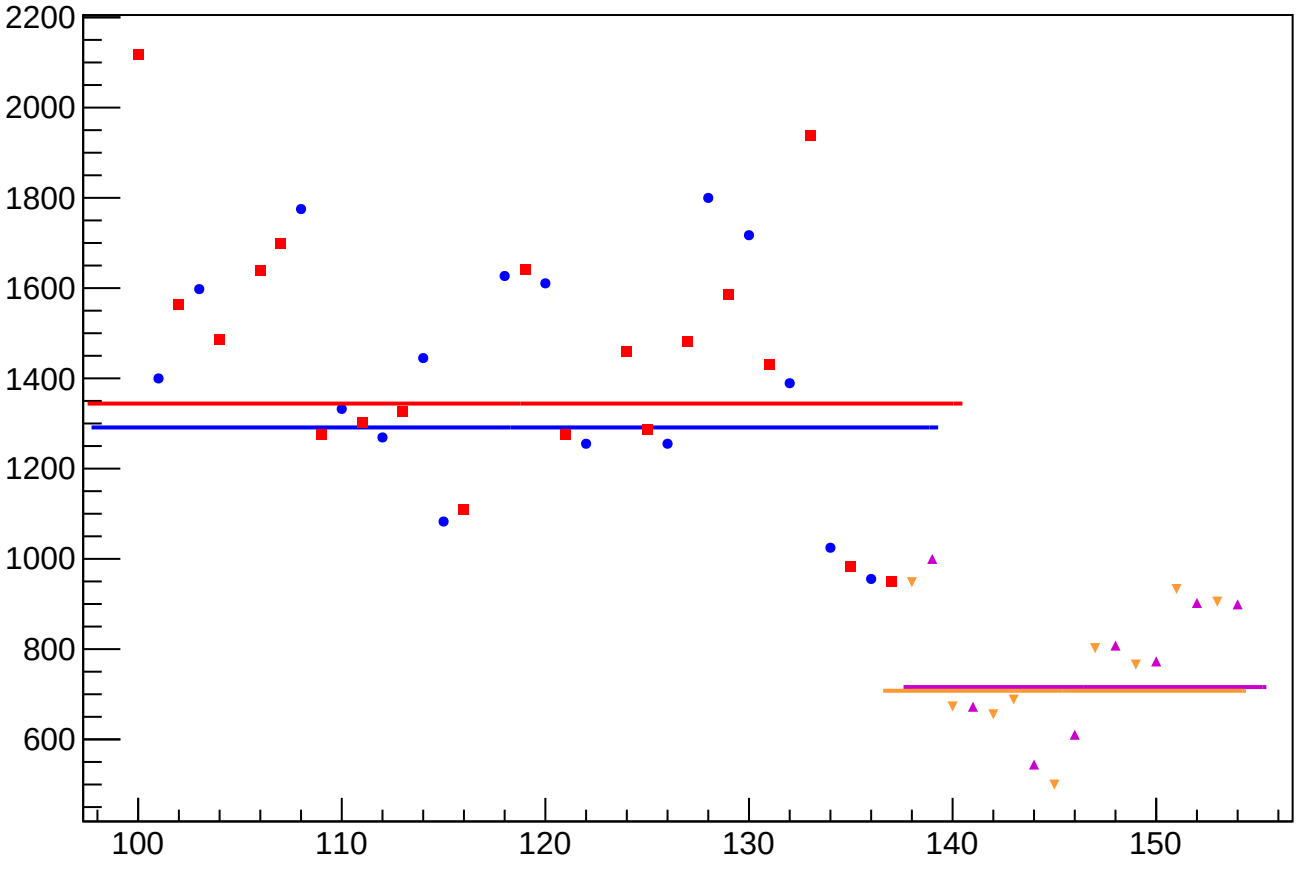
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 15.216+/-241.754 χ^2/NDF:28.7/23

Out: -643.190+/-240.372 χ^2/NDF:47.5/27

All: -315.875+/-170.455 χ^2/NDF: 79.9/51

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: 715.992+/-0.196 χ^2/NDF:547420.9/7

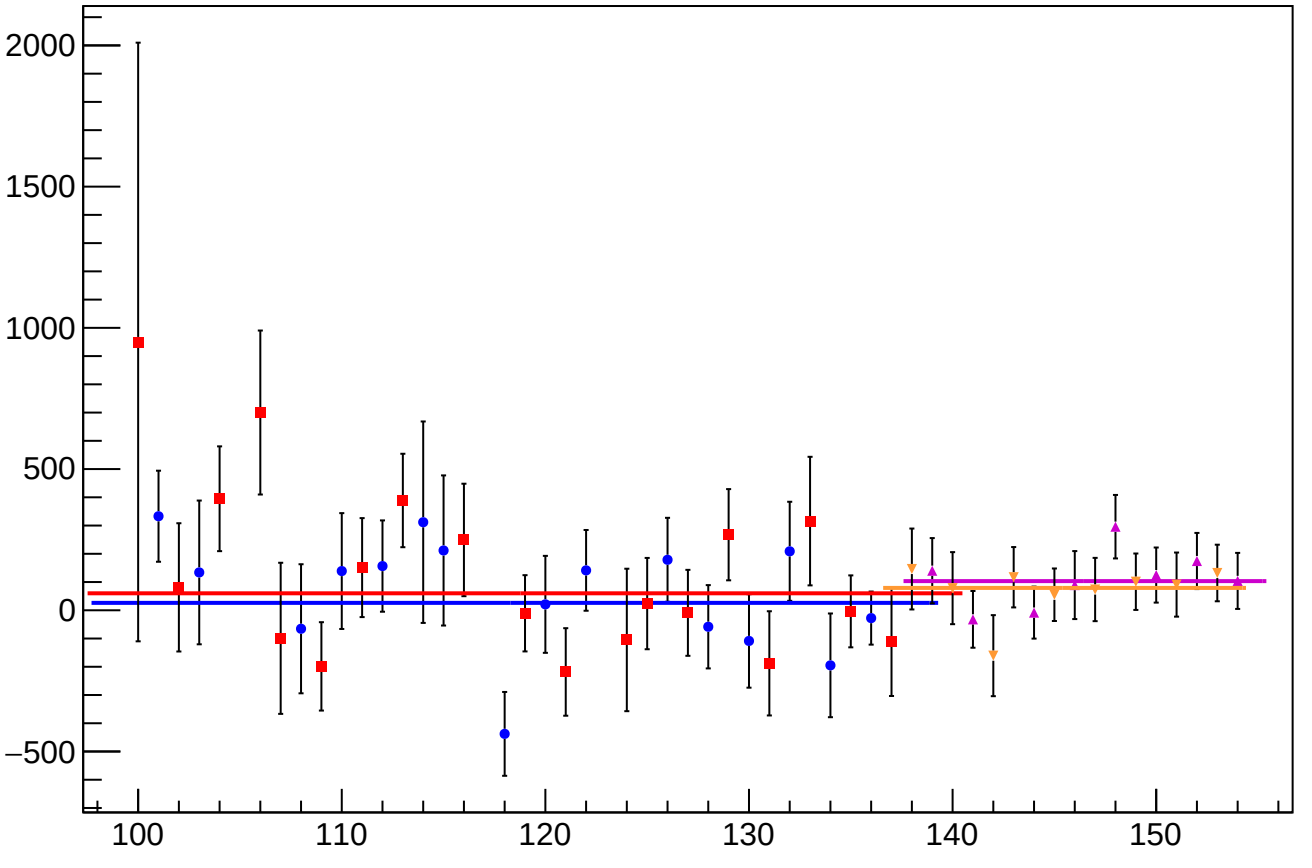
Left: 711.822+/-0.138 χ^2/NDF: 1145376.8/16

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 854.174+/-0.171 χ^2/NDF:3224949.8/23

Out: 854.023+/-0.170 χ^2/NDF:3569403.1/27

All: 854.098+/-0.121 χ^2/NDF: 6794353.3/51



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: 103.267+/-36.564 χ^2/NDF:6.9/7

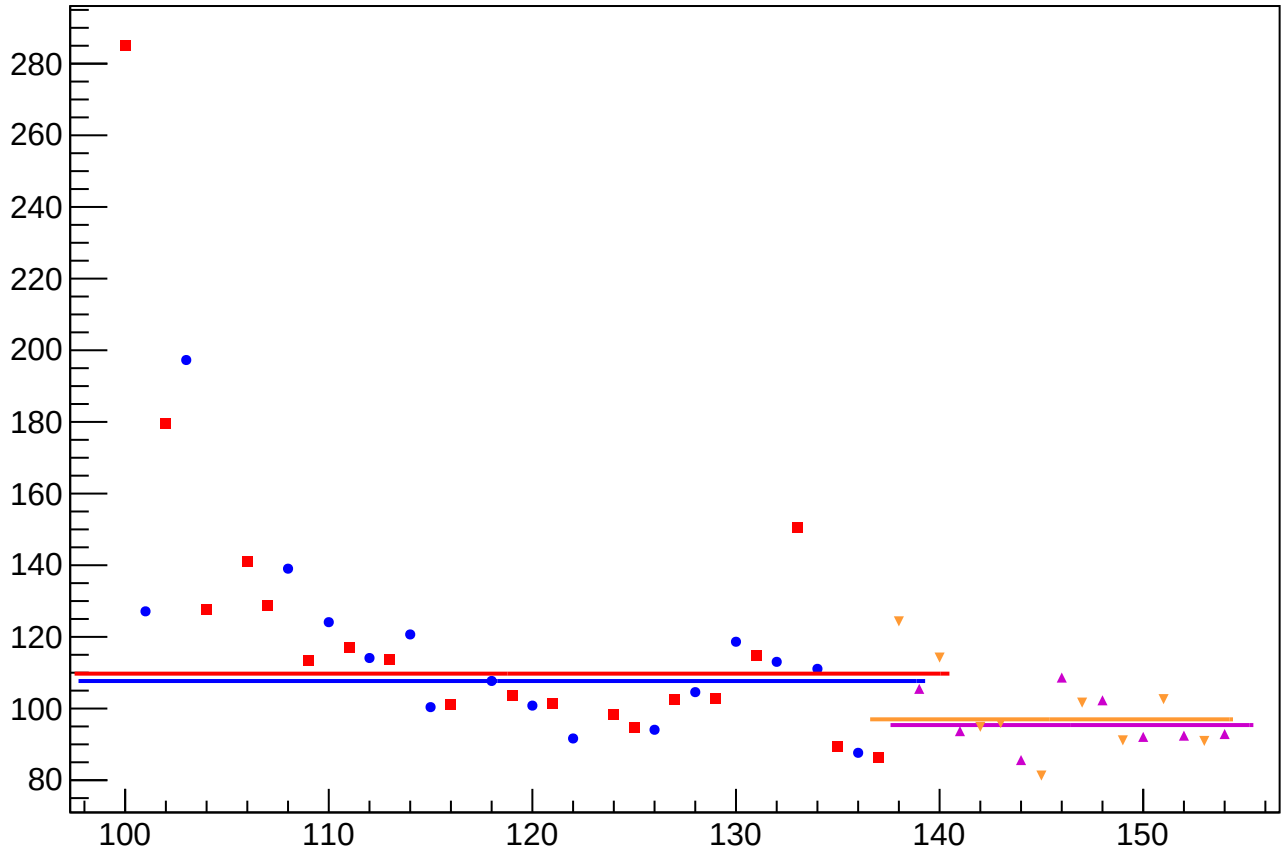
Left: 91.463+/-26.107 χ^2/NDF: 10.7/16

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

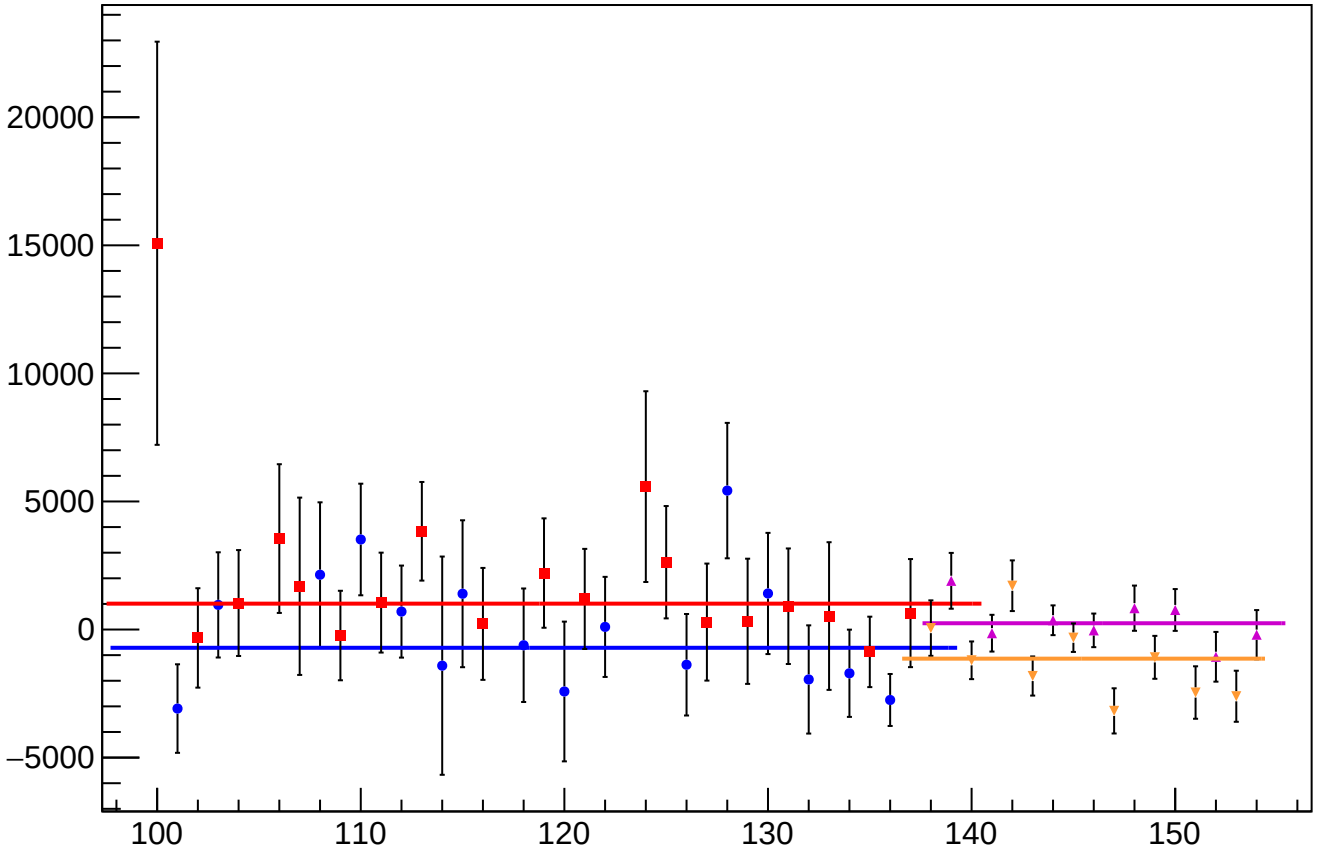
In: 69.352+/-27.353 χ^2/NDF:30.2/23

Out: 70.676+/-27.745 χ^2/NDF:30.7/27

All: 70.004+/-19.479 χ^2/NDF: 60.9/51


eigen_dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected
280
260
240
220
200
180
160
140
120
100
80
100
110
120
130
140
150
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 96.989+/-0.026 χ²/NDF:189584.7/8
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 95.390+/-0.026 χ²/NDF:75516.8/7
Left: 96.174+/-0.018 χ²/NDF: 266977.5/16
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 100.801+/-0.019 χ²/NDF:658122.8/23
Out: 102.680+/-0.020 χ²/NDF:785740.3/27
All: 101.727+/-0.014 χ²/NDF: 1448512.4/51

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1136.748+/-273.902 χ^2/NDF:21.6/8

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 245.421+/-277.351 χ^2/NDF:5.7/7

Left: -454.311+/-194.886 χ^2/NDF: 39.9/16

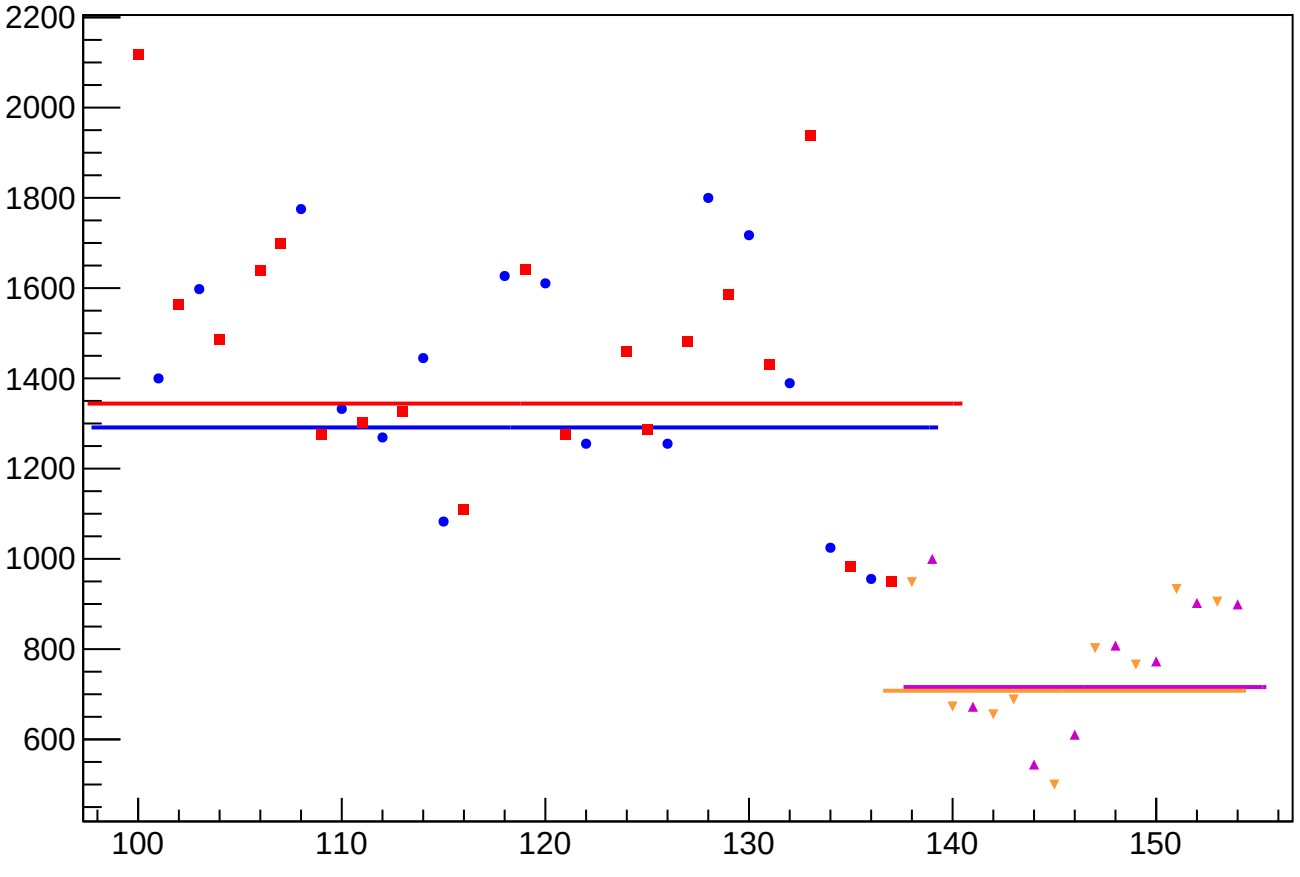
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 15.216+/-241.754 χ^2/NDF:28.7/23

Out: -643.189+/-240.372 χ^2/NDF:47.5/27

All: -315.875+/-170.455 χ^2/NDF: 79.9/51

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: 715.991+/-0.196 χ^2/NDF:547420.8/7

Left: 711.820+/-0.138 χ^2/NDF: 1145382.4/16

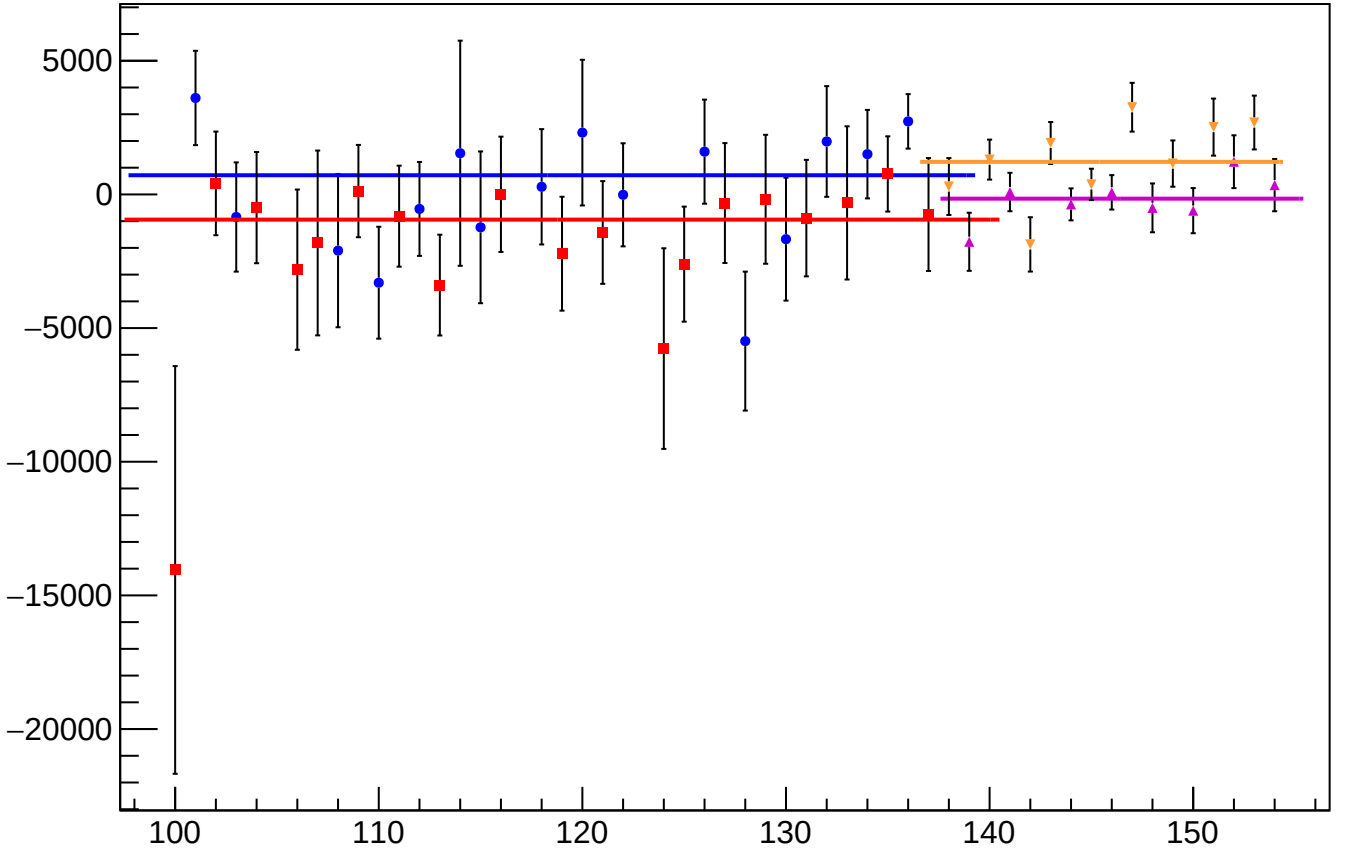
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 854.173+/-0.171 χ^2/NDF:3224942.1/23

Out: 854.021+/-0.170 χ^2/NDF:3569407.7/27

All: 854.096+/-0.121 χ^2/NDF: 6794350.2/51

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: -158.568+/-281.063 χ^2/NDF:5.2/7

Left: 527.620+/-199.076 χ^2/NDF: 38.7/16

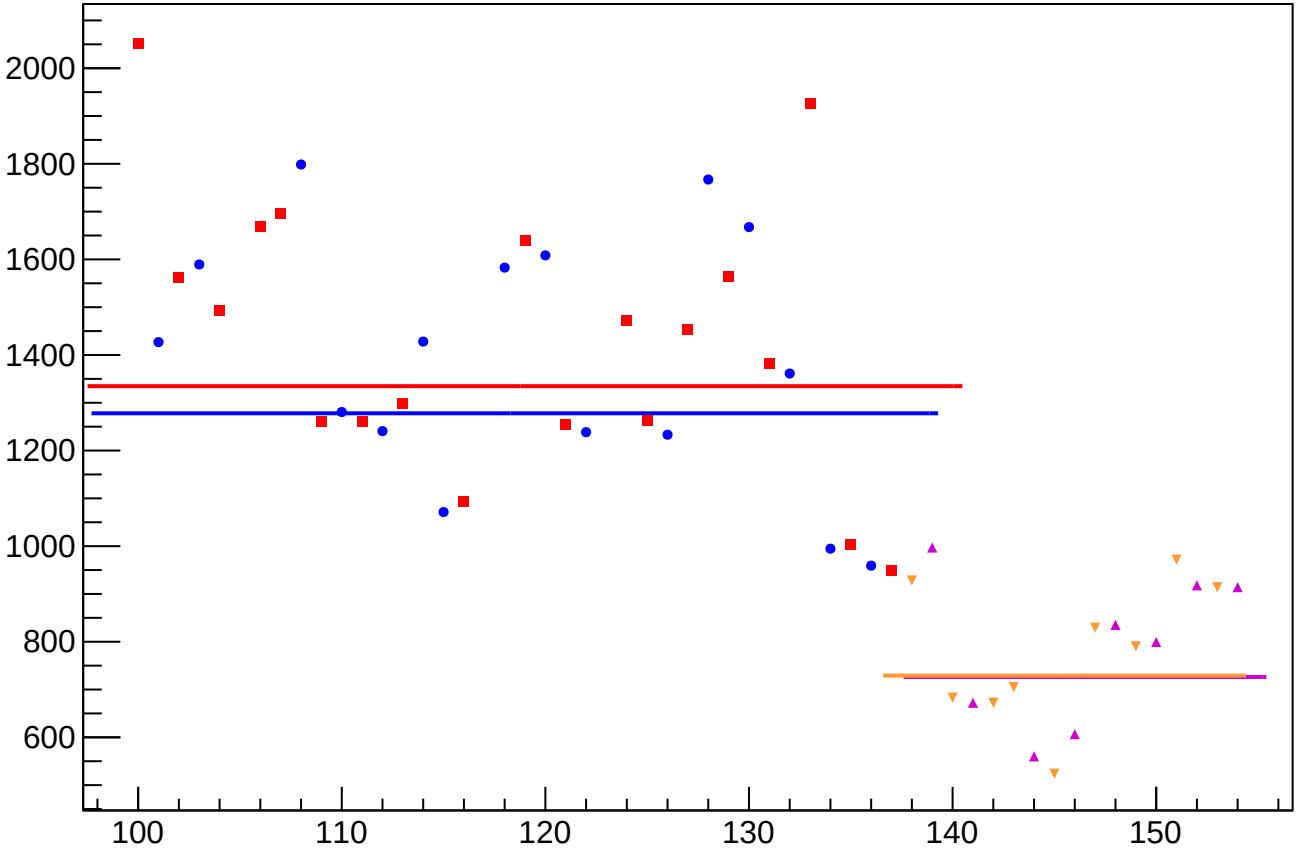
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 59.520+/-243.585 χ^2/NDF:28.6/23

Out: 693.865+/-245.402 χ^2/NDF:46.4/27

All: 374.335+/-172.880 χ^2/NDF: 78.4/51

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: 726.227+/-0.199 χ^2/NDF:551474.9/7

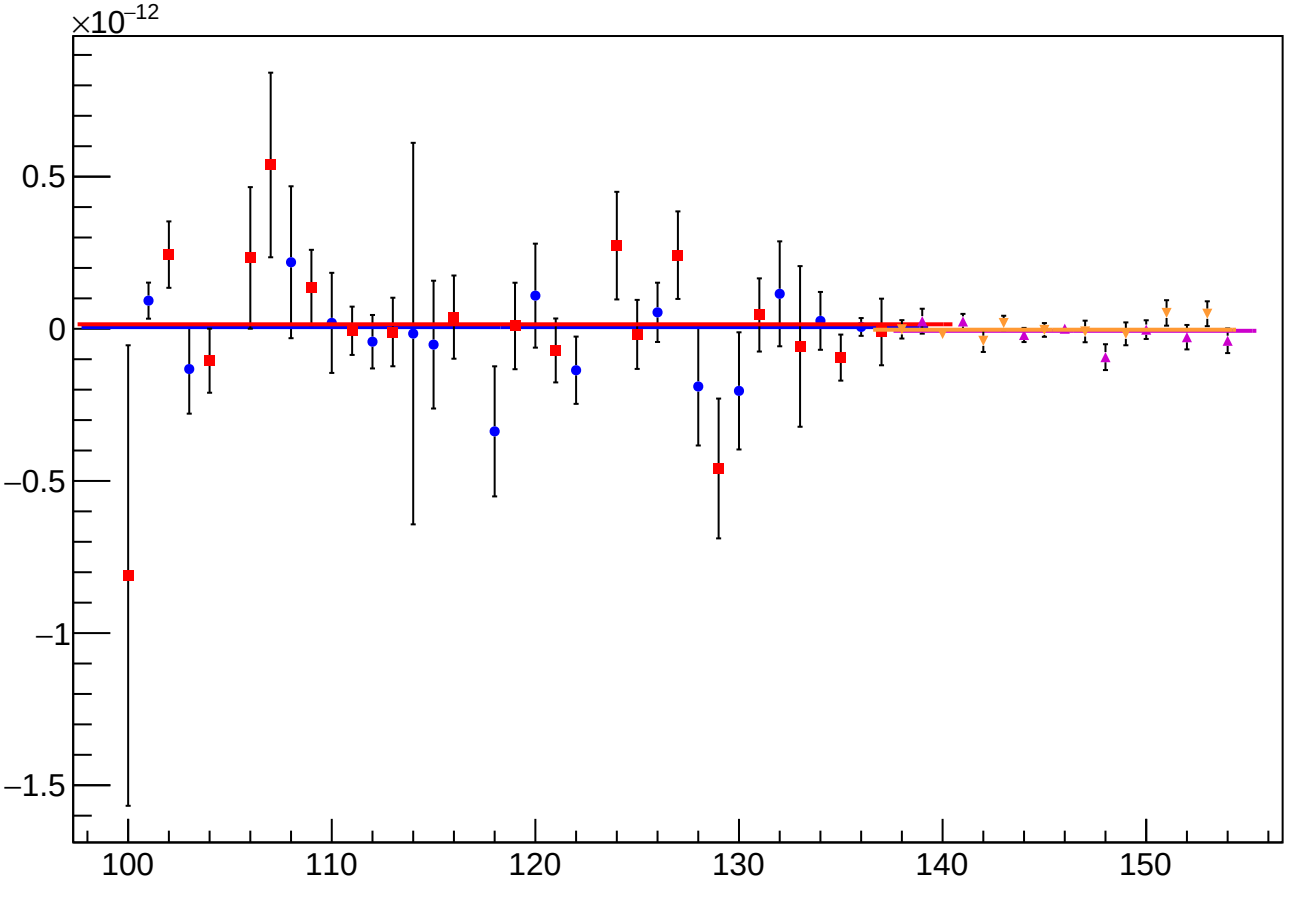
Left: 727.711+/-0.141 χ^2/NDF: 1086807.9/16

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 863.562+/-0.172 χ^2/NDF:3067576.2/23

Out: 876.224+/-0.174 χ^2/NDF:3246007.1/27

All: 869.846+/-0.122 χ^2/NDF: 6316265.6/51



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:7.8/7

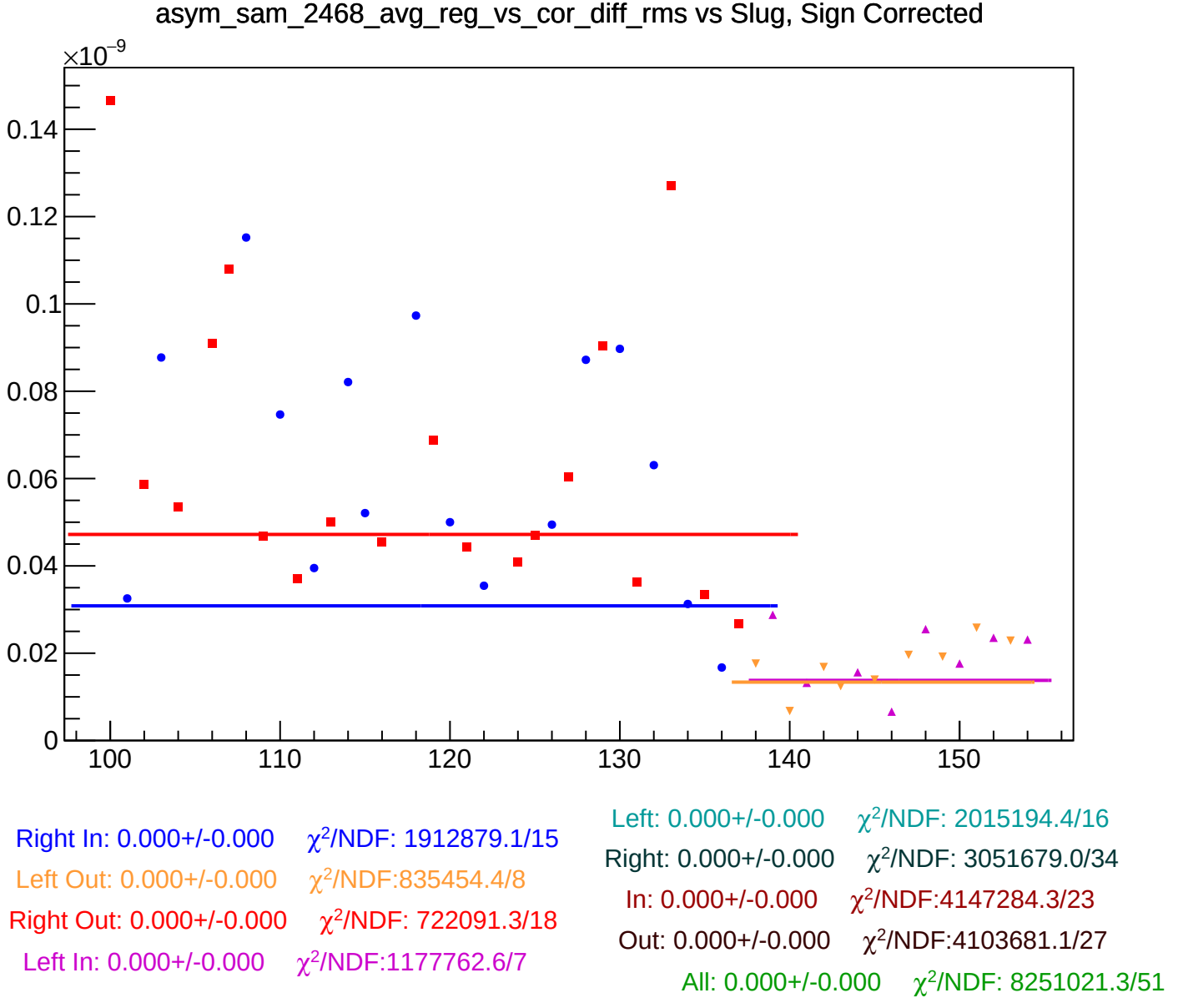
Left: -0.000+/-0.000 χ^2/NDF: 14.1/16

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

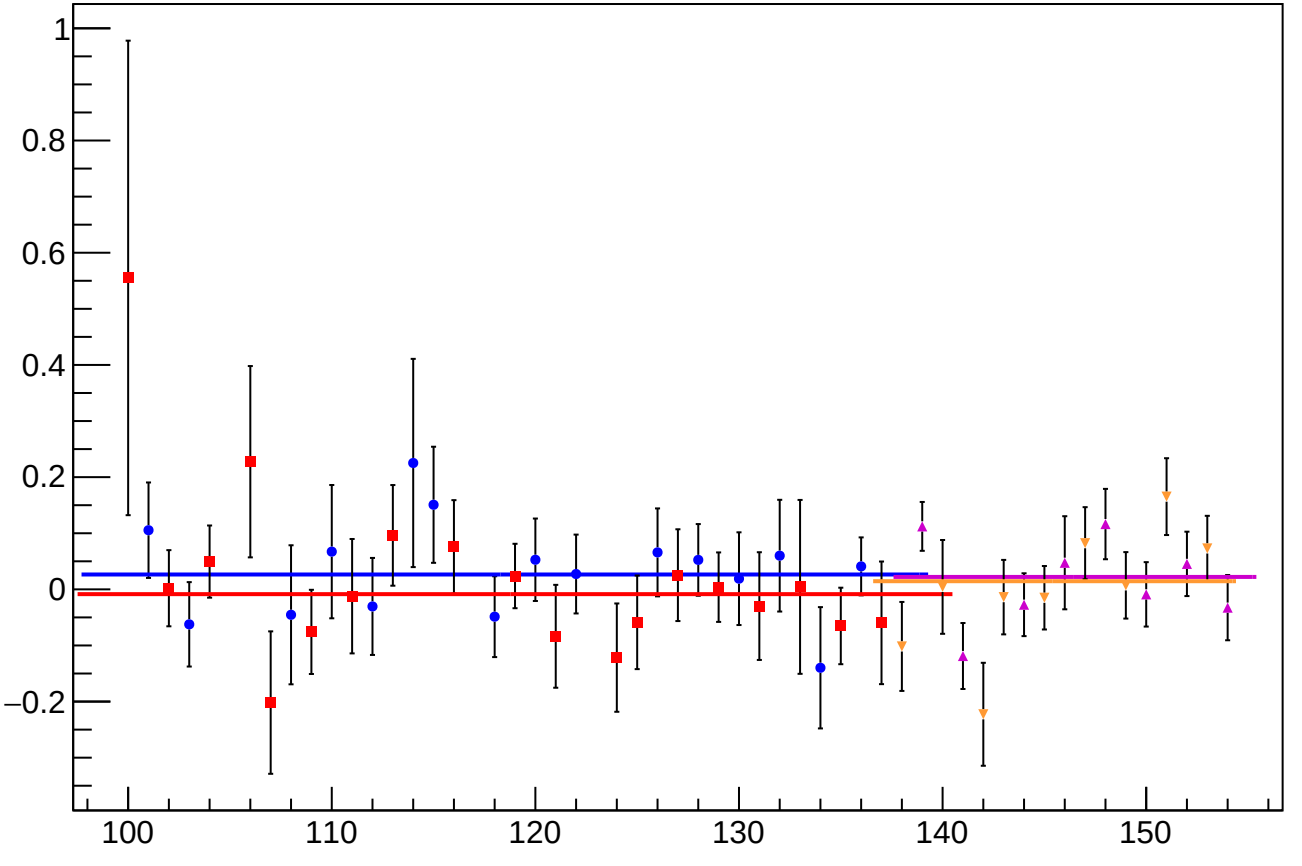
In: -0.000+/-0.000 χ^2/NDF:19.7/23

Out: -0.000+/-0.000 χ^2/NDF:30.4/27

All: -0.000+/-0.000 χ^2/NDF: 50.2/51


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:1177762.6/7
Left: 0.000+/-0.000 χ²/NDF: 2015194.4/16
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4147284.3/23
Out: 0.000+/-0.000 χ²/NDF:4103681.1/27
All: 0.000+/-0.000 χ²/NDF: 8251021.3/51

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.022 χ^2/NDF:16.3/8

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.022+/-0.020 χ^2/NDF:14.5/7

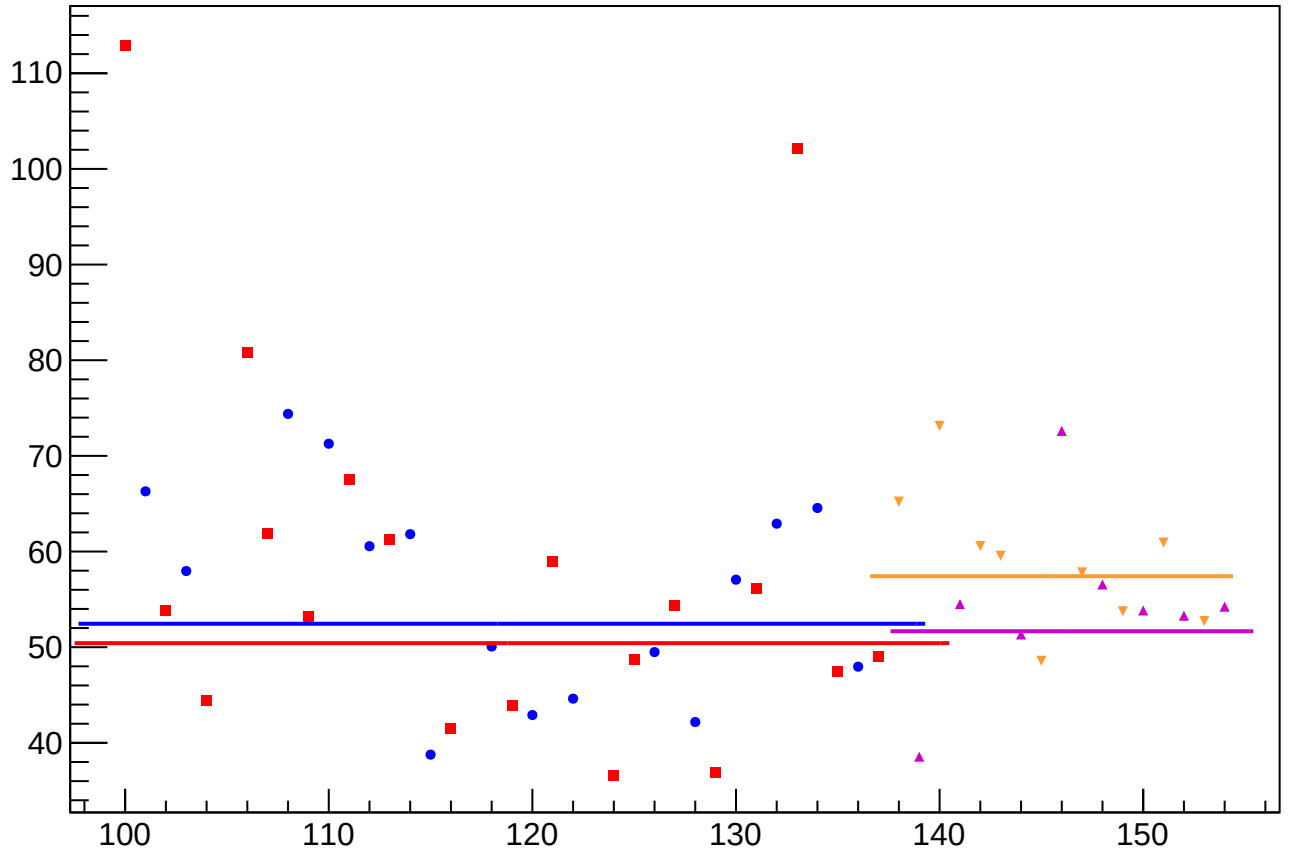
Left: 0.019+/-0.015 χ^2/NDF: 30.9/16

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.014 χ^2/NDF:24.5/23

Out: 0.001+/-0.015 χ^2/NDF:30.8/27

All: 0.013+/-0.010 χ^2/NDF: 56.5/51



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: 51.669+/-0.014 χ^2/NDF:334029.3/7

Left: 54.259+/-0.011 χ^2/NDF: 575913.7/16

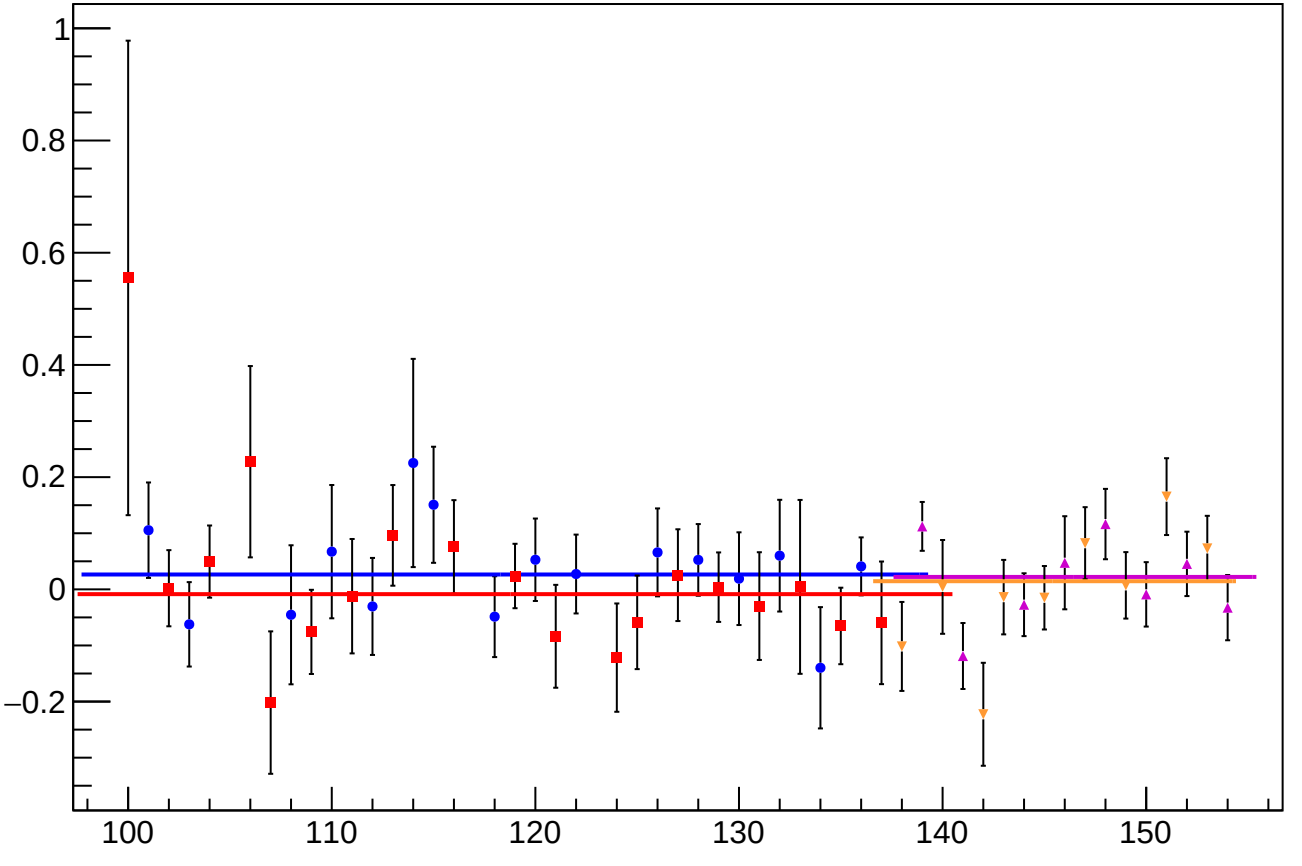
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.057+/-0.010 χ^2/NDF:753523.8/23

Out: 53.439+/-0.010 χ^2/NDF:957266.8/27

All: 52.733+/-0.007 χ^2/NDF: 1719836.5/51

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: 0.022+/-0.020 χ^2/NDF:14.5/7

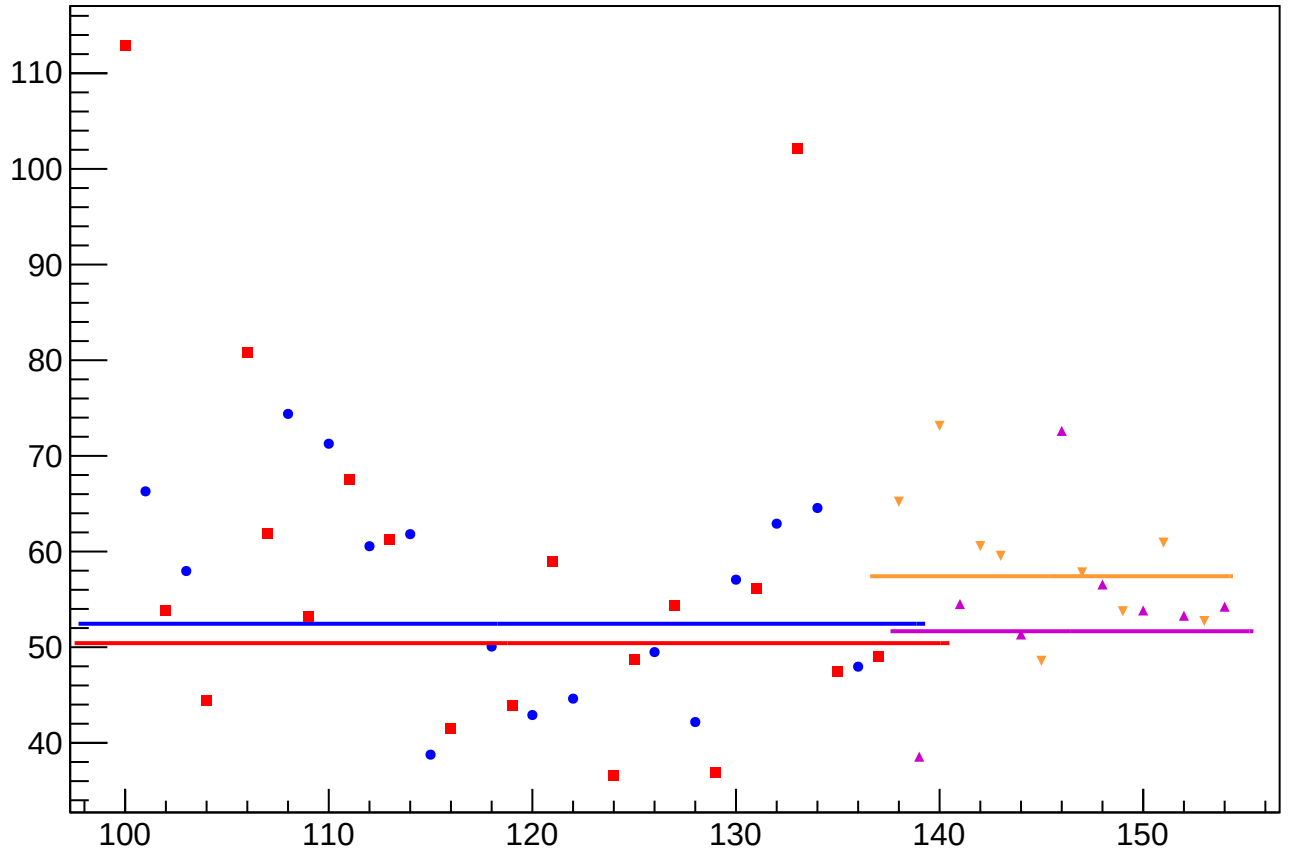
Left: 0.019+/-0.015 χ^2/NDF: 30.9/16

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.014 χ^2/NDF:24.5/23

Out: 0.001+/-0.015 χ^2/NDF:30.8/27

All: 0.013+/-0.010 χ^2/NDF: 56.5/51



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: 51.669+/-0.014 χ^2/NDF:334029.3/7

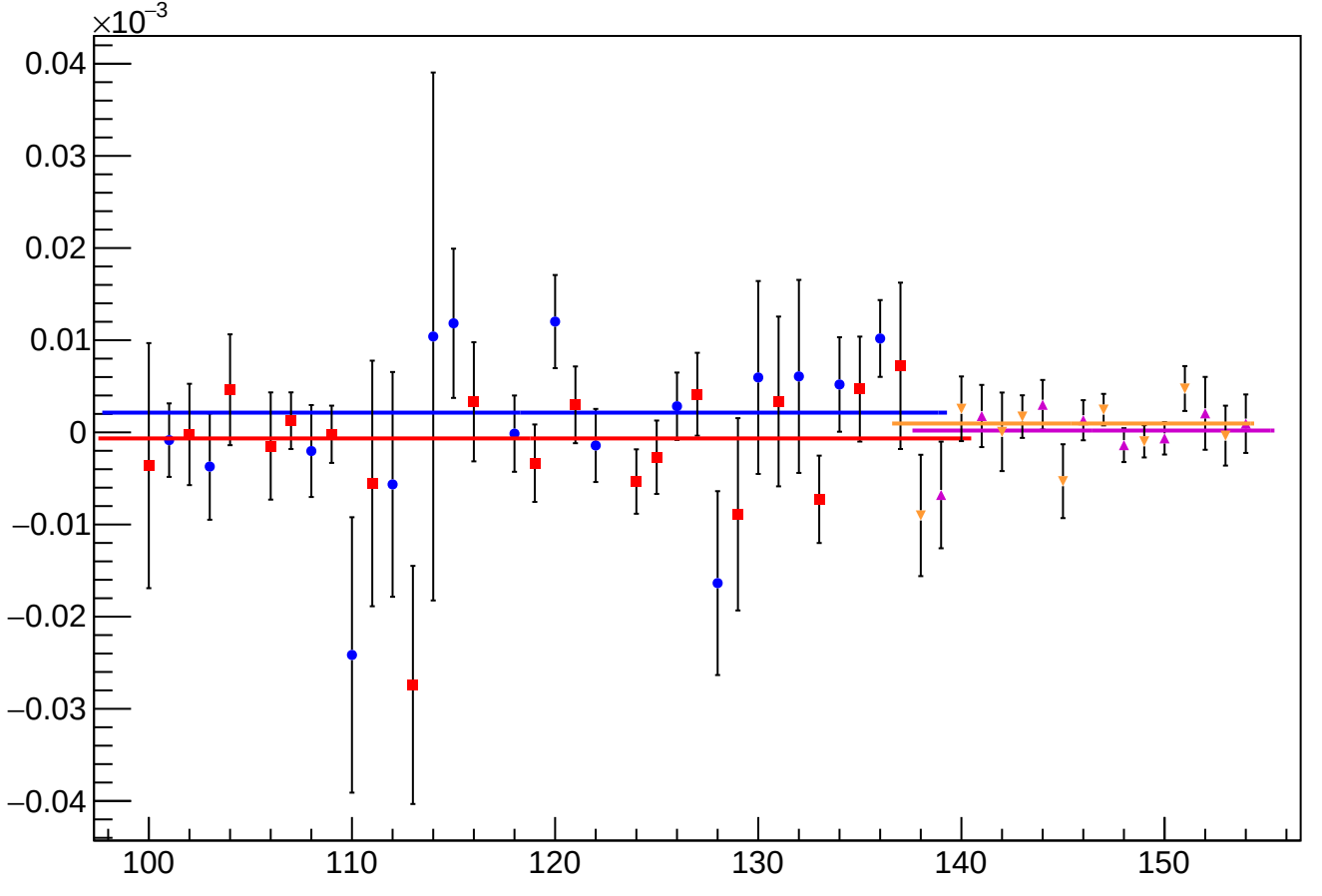
Left: 54.259+/-0.011 χ^2/NDF: 575913.7/16

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.057+/-0.010 χ^2/NDF:753523.8/23

Out: 53.439+/-0.010 χ^2/NDF:957266.8/27

All: 52.733+/-0.007 χ^2/NDF: 1719836.5/51



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:4.3/7

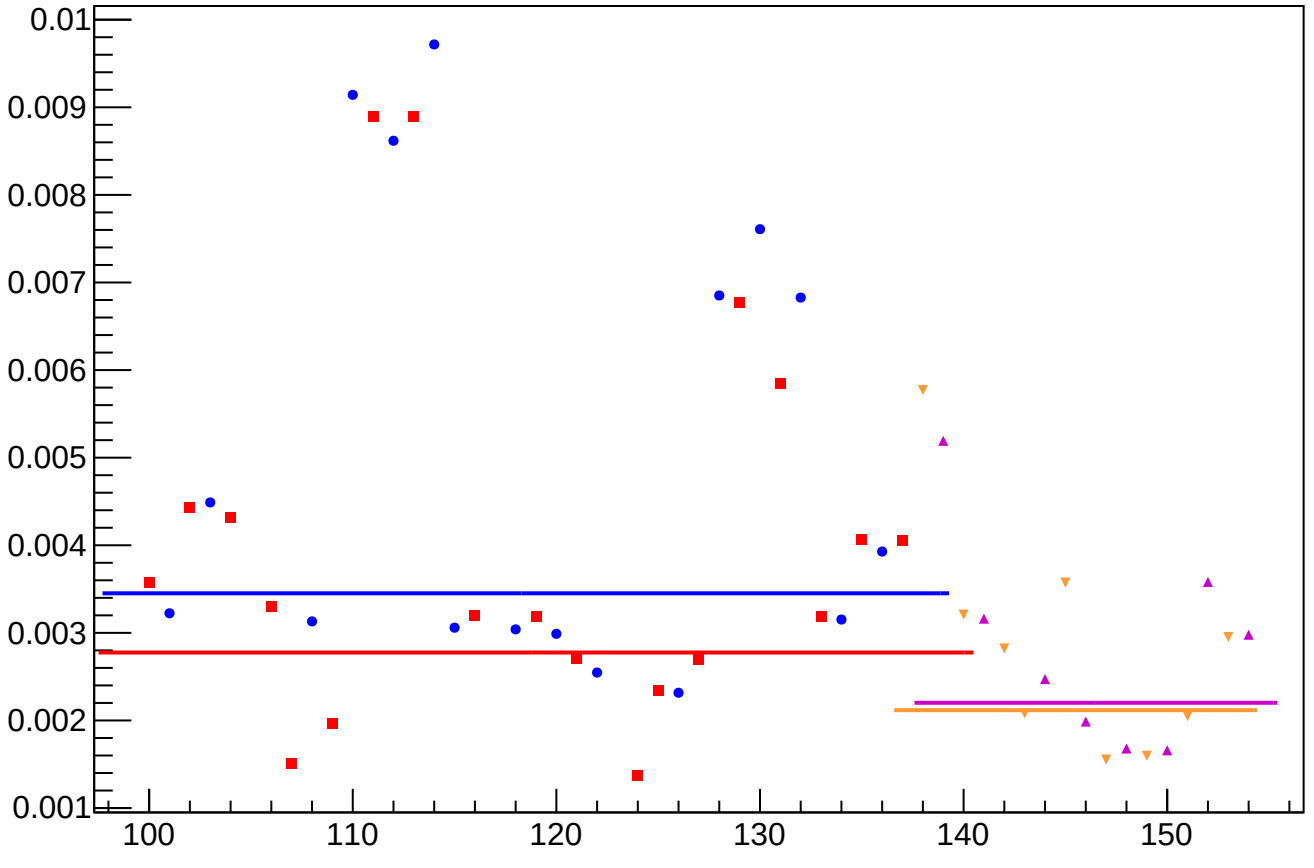
Left: 0.000+/-0.000 χ^2/NDF: 14.3/16

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:25.7/23

Out: 0.000+/-0.000 χ^2/NDF:25.8/27

All: 0.000+/-0.000 χ^2/NDF: 51.7/51



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:1452786.6/7

Left: 0.002+/-0.000 χ^2/NDF: 3119368.9/16

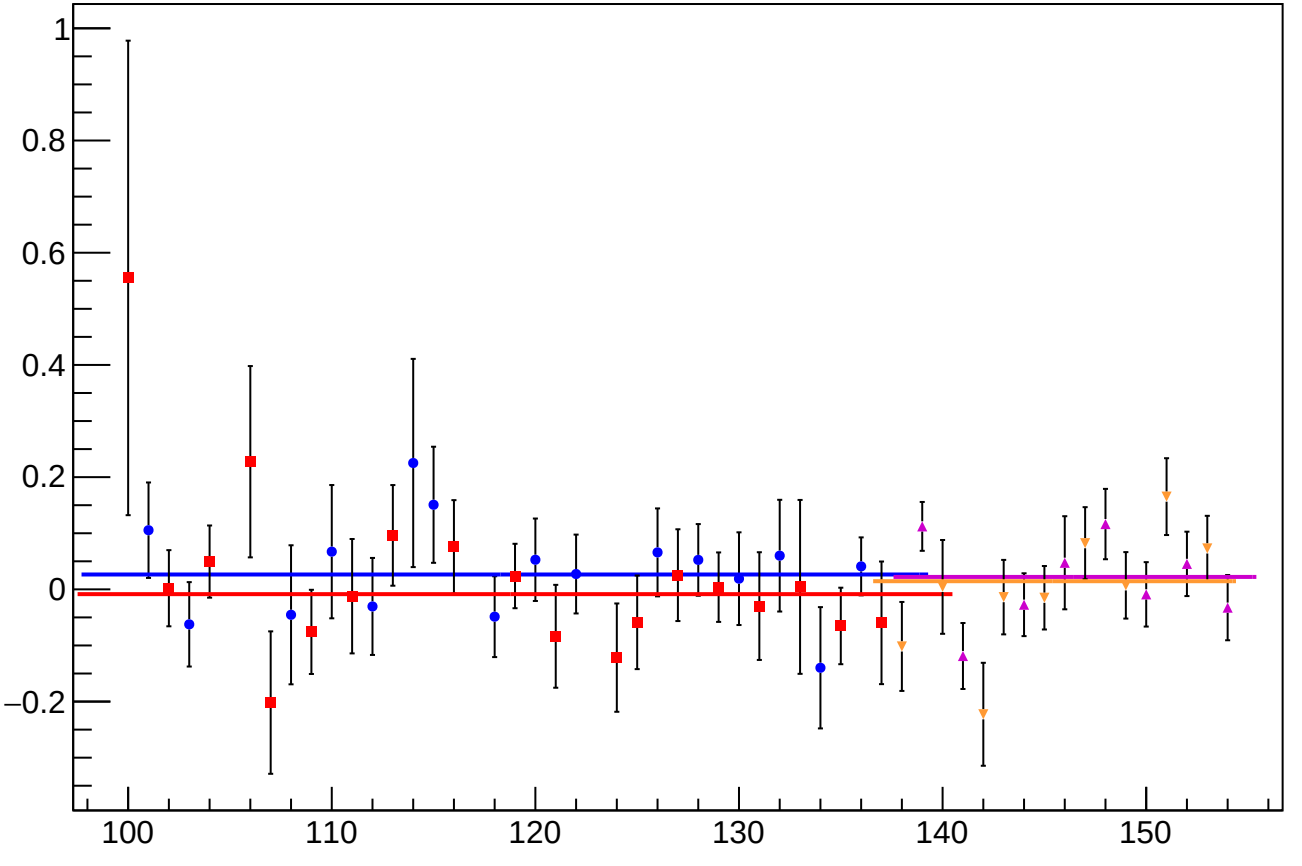
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:4552711.5/23

Out: 0.002+/-0.000 χ^2/NDF:4812052.0/27

All: 0.002+/-0.000 χ^2/NDF: 9452613.3/51

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.022 χ^2/NDF:16.3/8

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.022+/-0.020 χ^2/NDF:14.5/7

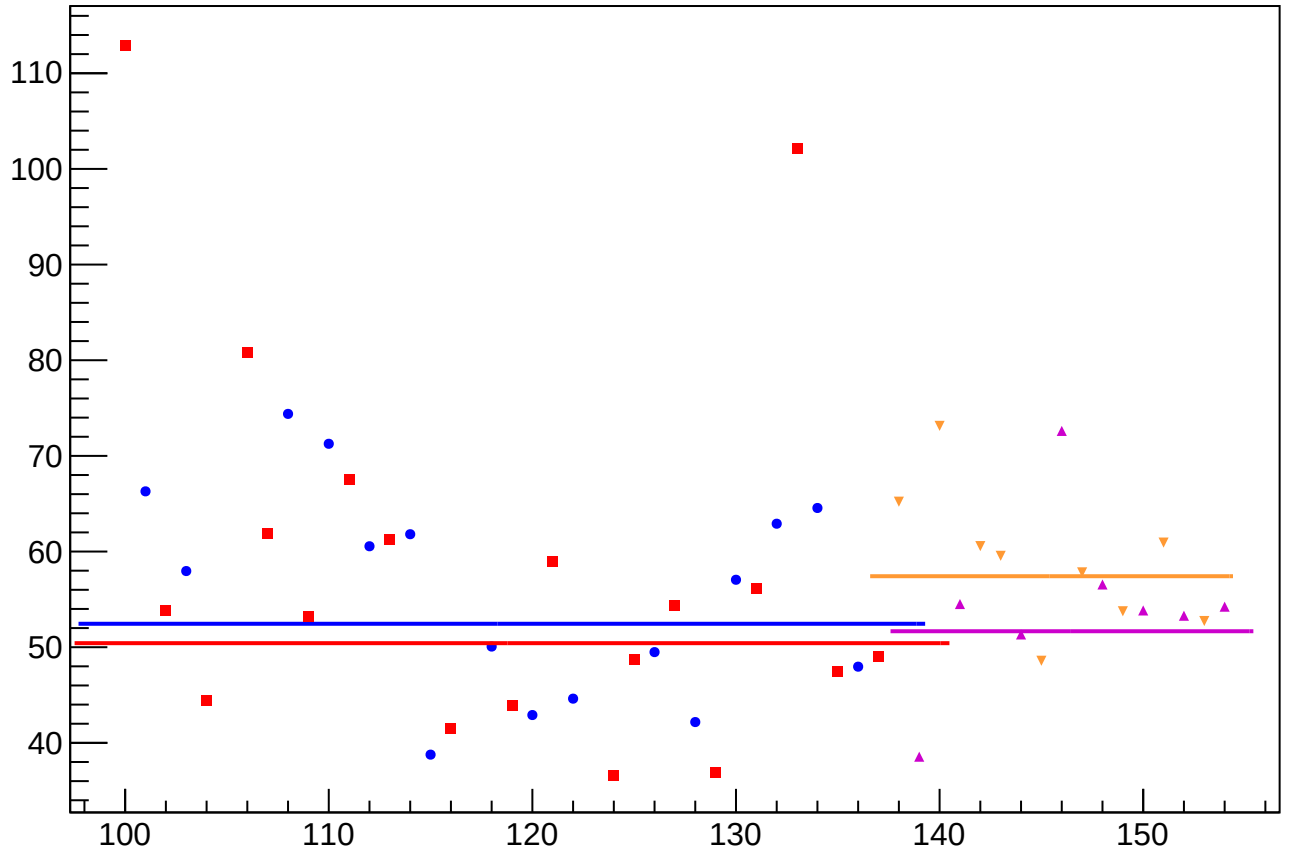
Left: 0.019+/-0.015 χ^2/NDF: 30.9/16

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.014 χ^2/NDF:24.5/23

Out: 0.001+/-0.015 χ^2/NDF:30.8/27

All: 0.013+/-0.010 χ^2/NDF: 56.5/51



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: 51.669+/-0.014 χ^2/NDF:334079.0/7

Left: 54.259+/-0.011 χ^2/NDF: 575945.8/16

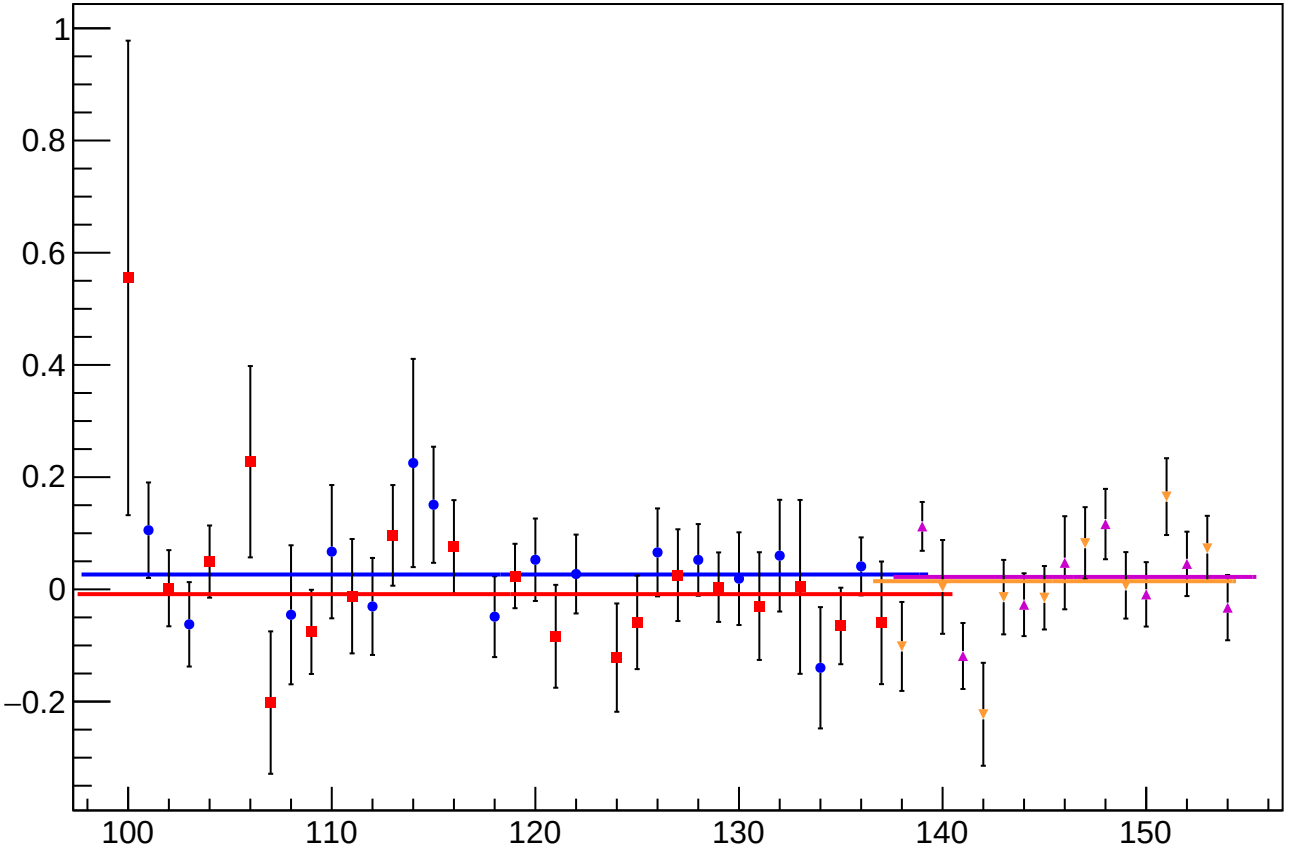
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.057+/-0.010 χ^2/NDF:753521.3/23

Out: 53.439+/-0.010 χ^2/NDF:957303.6/27

All: 52.733+/-0.007 χ^2/NDF: 1719870.8/51

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: 0.022+/-0.020 χ^2/NDF:14.5/7

Left: 0.019+/-0.015 χ^2/NDF: 30.9/16

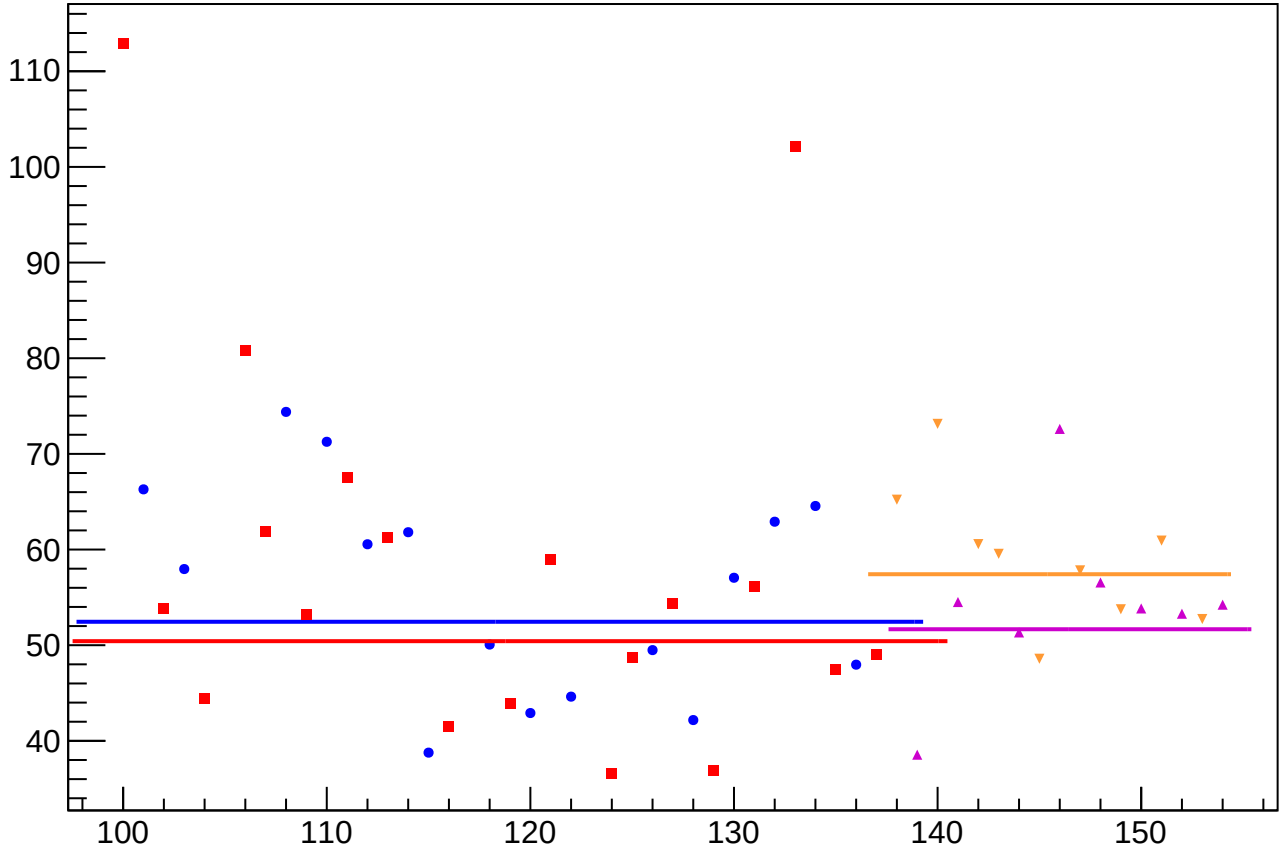
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.014 χ^2/NDF:24.5/23

Out: 0.001+/-0.015 χ^2/NDF:30.8/27

All: 0.013+/-0.010 χ^2/NDF: 56.5/51

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.421+/-0.016 χ^2/NDF:169229.8/8

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.669+/-0.014 χ^2/NDF:334079.0/7

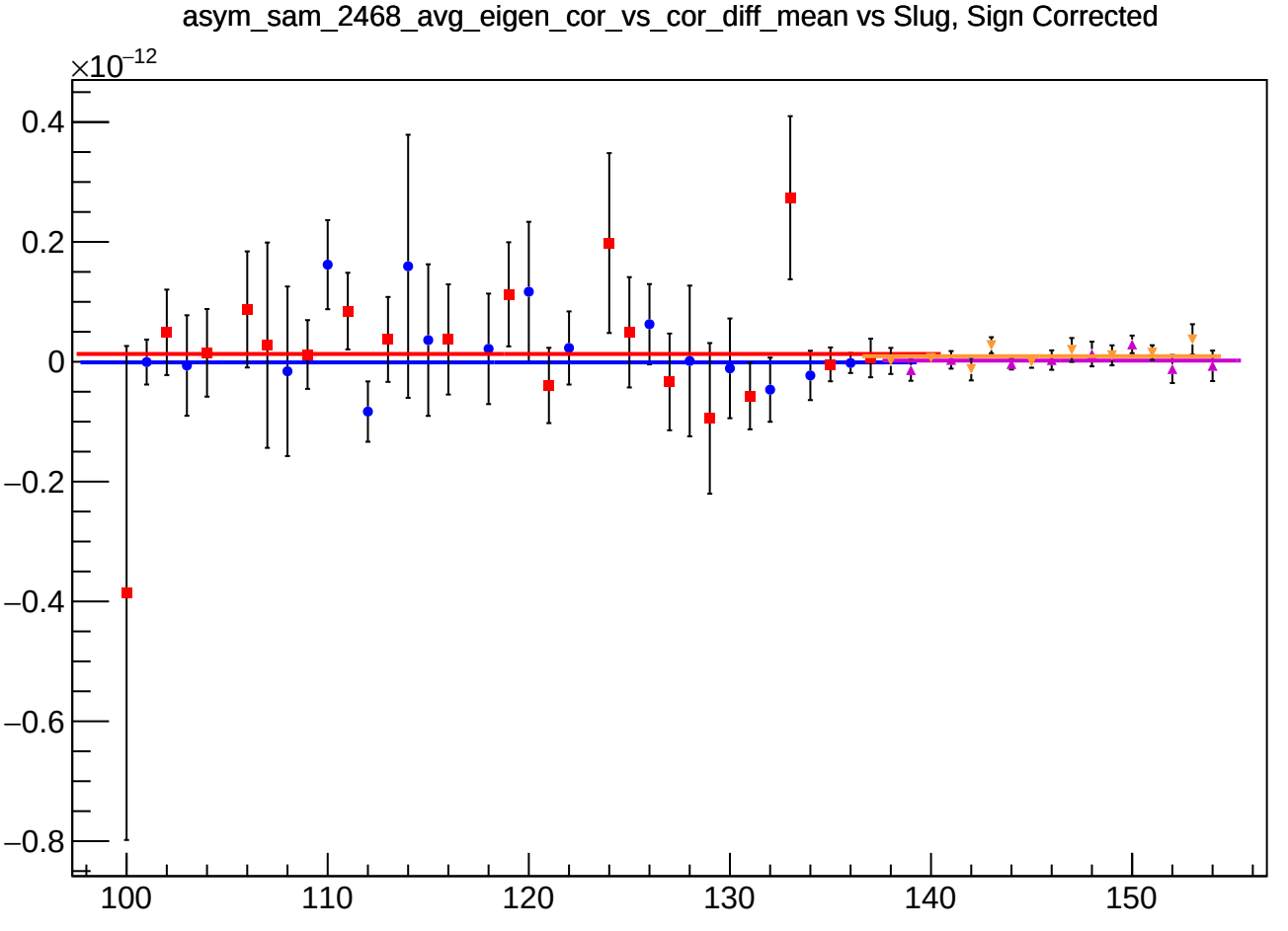
Left: 54.259+/-0.011 χ^2/NDF: 575945.8/16

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.057+/-0.010 χ^2/NDF:753521.3/23

Out: 53.439+/-0.010 χ^2/NDF:957303.6/27

All: 52.733+/-0.007 χ^2/NDF: 1719870.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/7

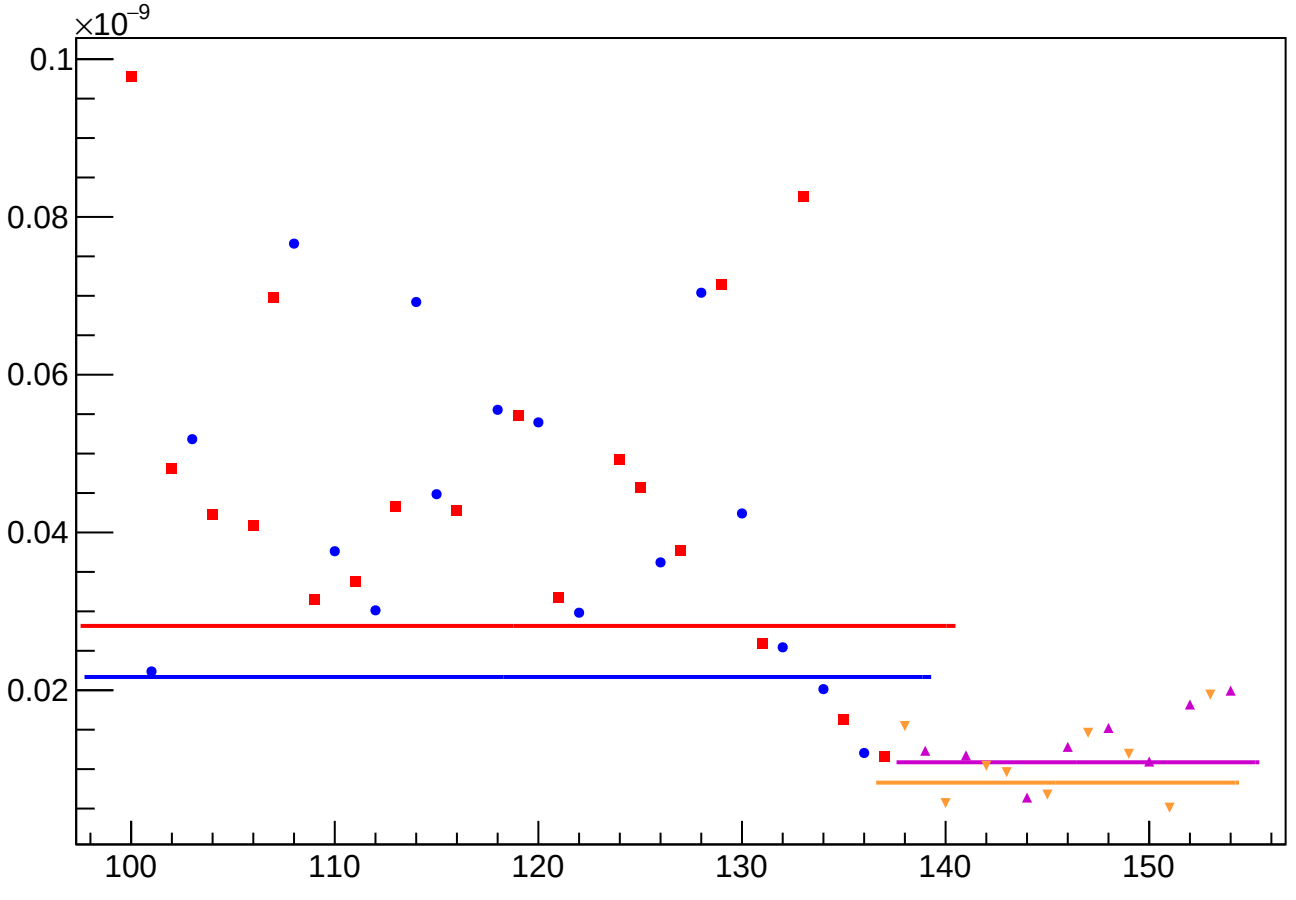
Left: 0.000+/-0.000 χ^2/NDF: 12.3/16

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:16.6/23

Out: 0.000+/-0.000 χ^2/NDF:19.7/27

All: 0.000+/-0.000 χ^2/NDF: 37.9/51



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:1074860.0/7

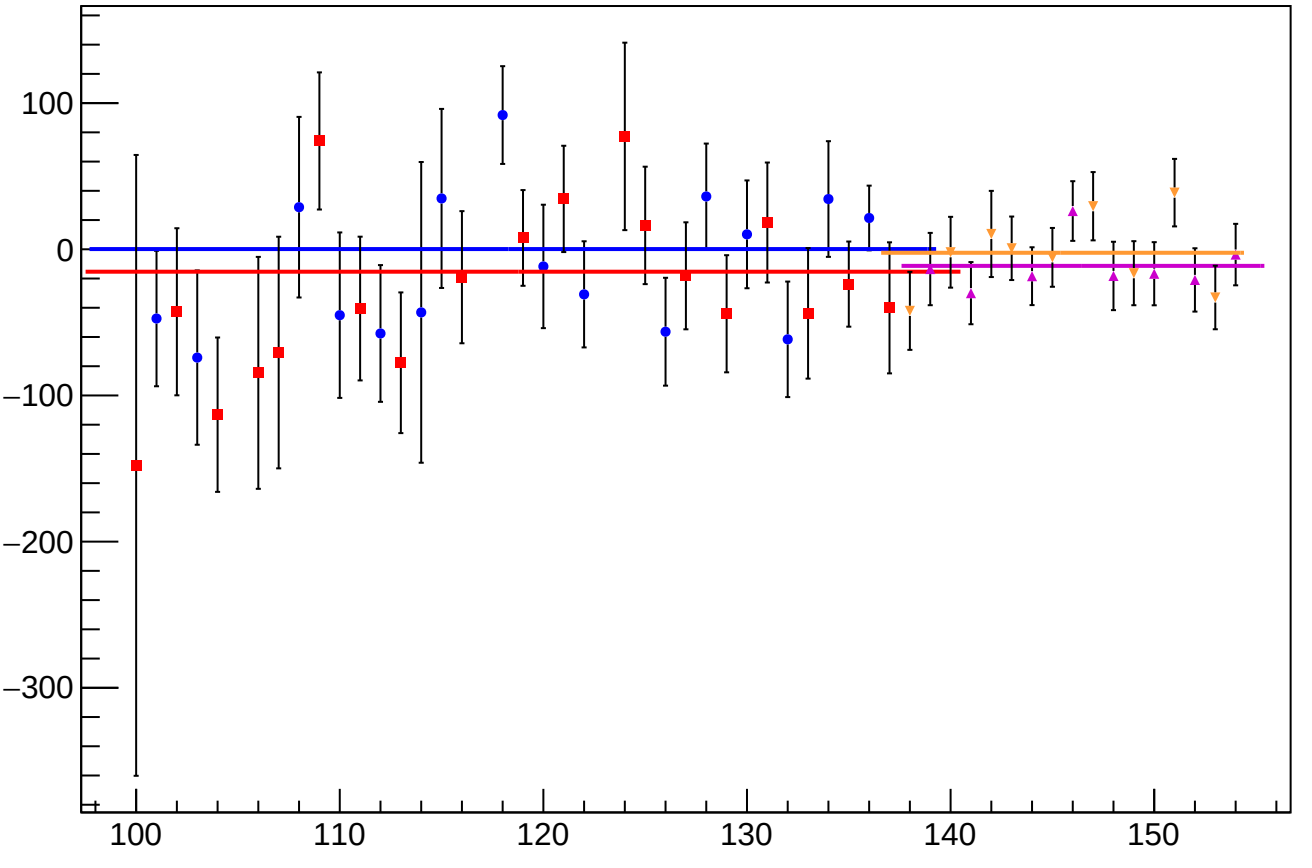
Left: 0.000+/-0.000 χ^2/NDF: 2666490.2/16

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:4949235.4/23

Out: 0.000+/-0.000 χ^2/NDF:7129594.7/27

All: 0.000+/-0.000 χ^2/NDF: 12414194.9/51



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -2.382+/-7.725 χ^2/NDF:9.9/8

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -11.342+/-7.632 χ^2/NDF:4.8/7

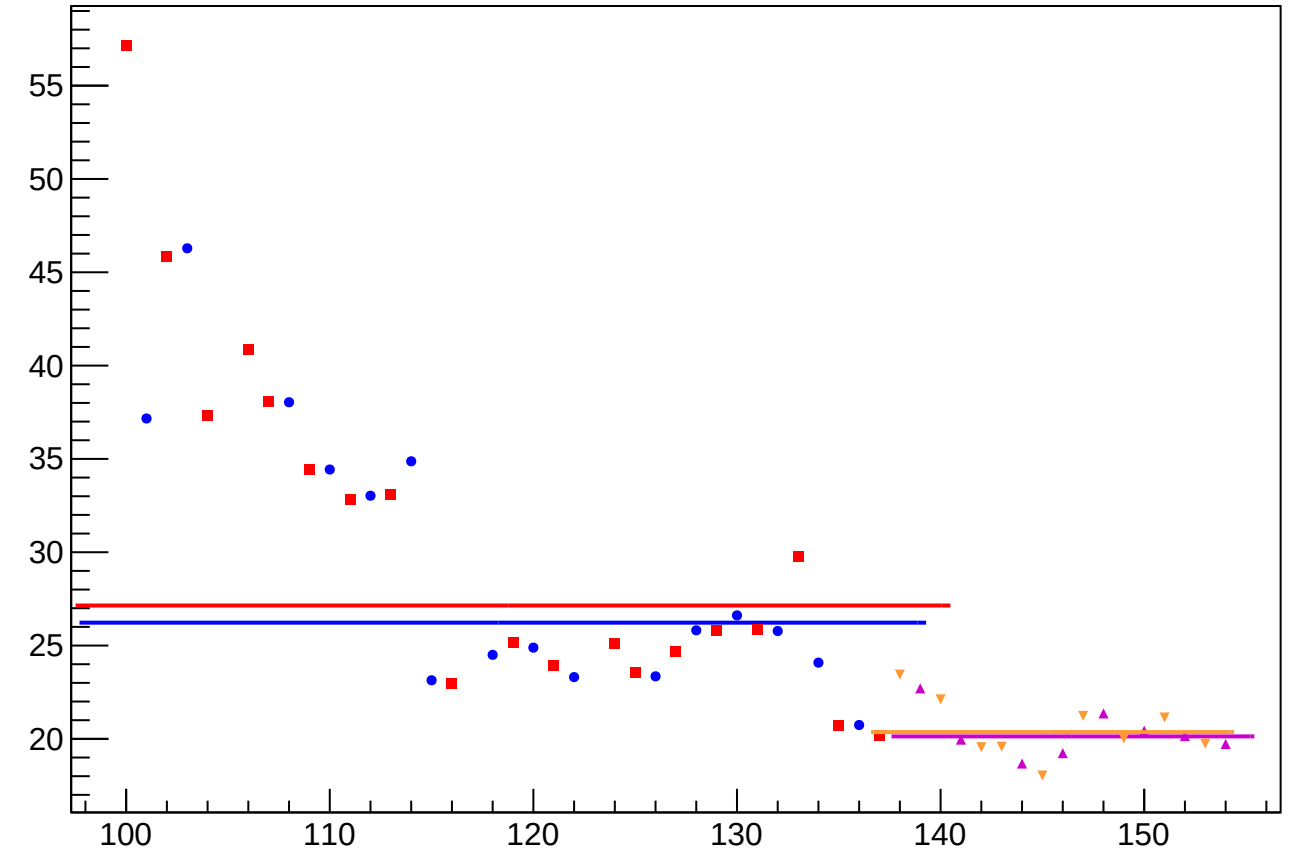
Left: -6.916+/-5.429 χ^2/NDF: 15.3/16

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -7.135+/-6.078 χ^2/NDF:26.9/23

Out: -7.063+/-6.173 χ^2/NDF:28.8/27

All: -7.100+/-4.331 χ^2/NDF: 55.8/51



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: 20.132+/-0.005 χ^2/NDF:43132.5/7

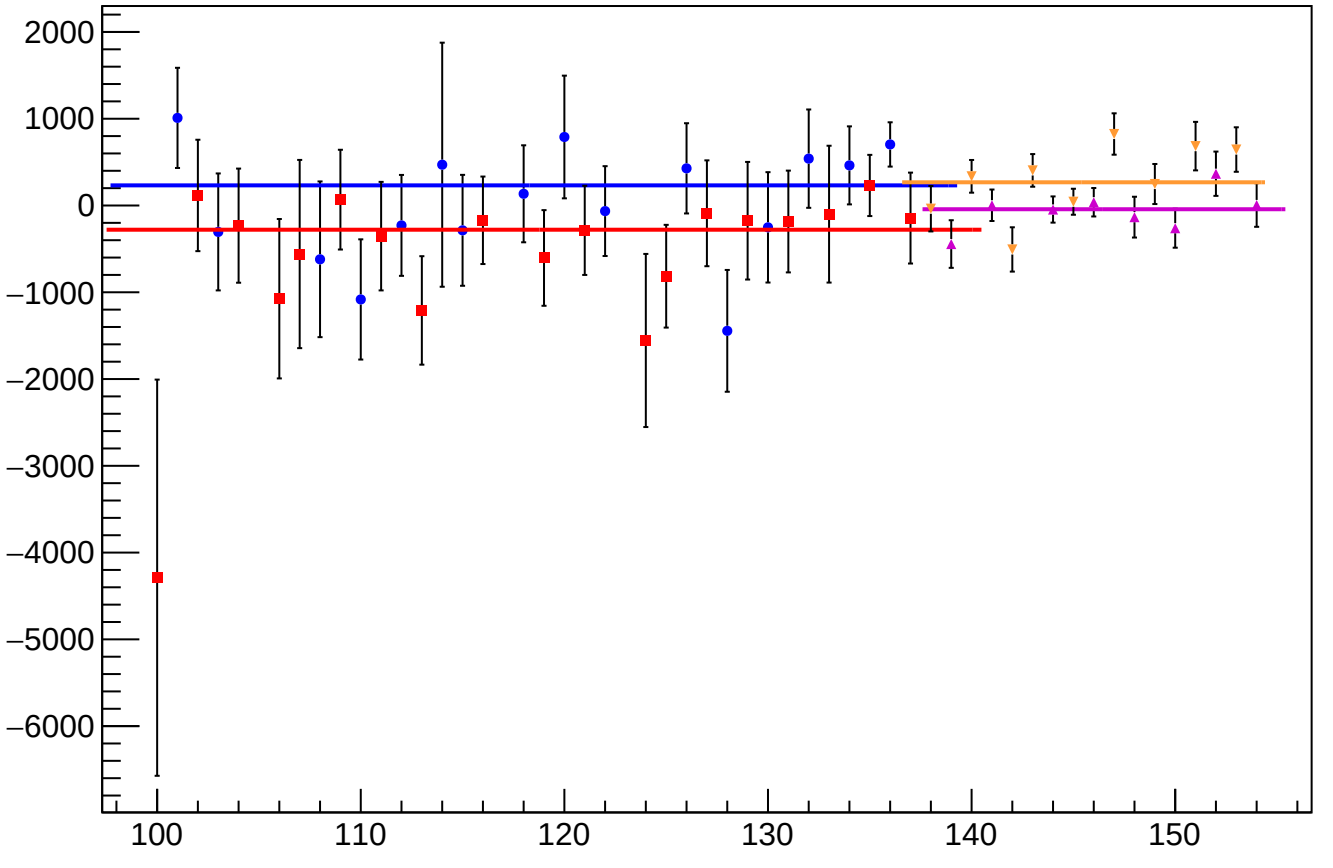
Left: 20.246+/-0.004 χ^2/NDF: 119247.5/16

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 22.362+/-0.004 χ^2/NDF:1185790.8/23

Out: 22.815+/-0.004 χ^2/NDF:1387873.3/27

All: 22.585+/-0.003 χ^2/NDF: 2579124.5/51



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 267.535+/-71.568 χ^2/NDF:23.3/8

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -43.008+/-71.824 χ^2/NDF:6.1/7

Left: 112.817+/-50.697 χ^2/NDF: 38.8/16

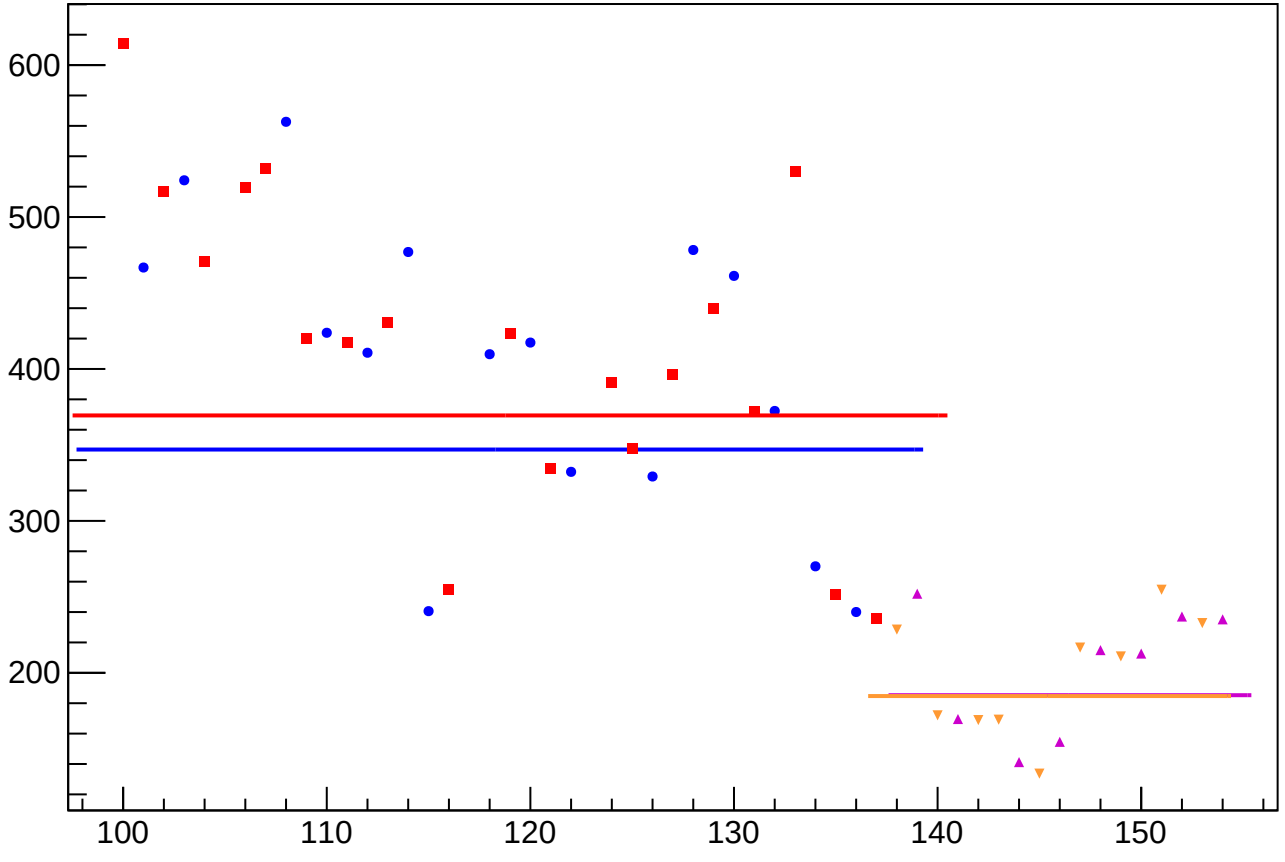
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 17.772+/-63.395 χ^2/NDF:29.0/23

Out: 154.248+/-63.721 χ^2/NDF:47.5/27

All: 85.660+/-44.942 χ^2/NDF: 78.8/51

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: 185.279+/-0.051 χ^2/NDF:596493.7/7

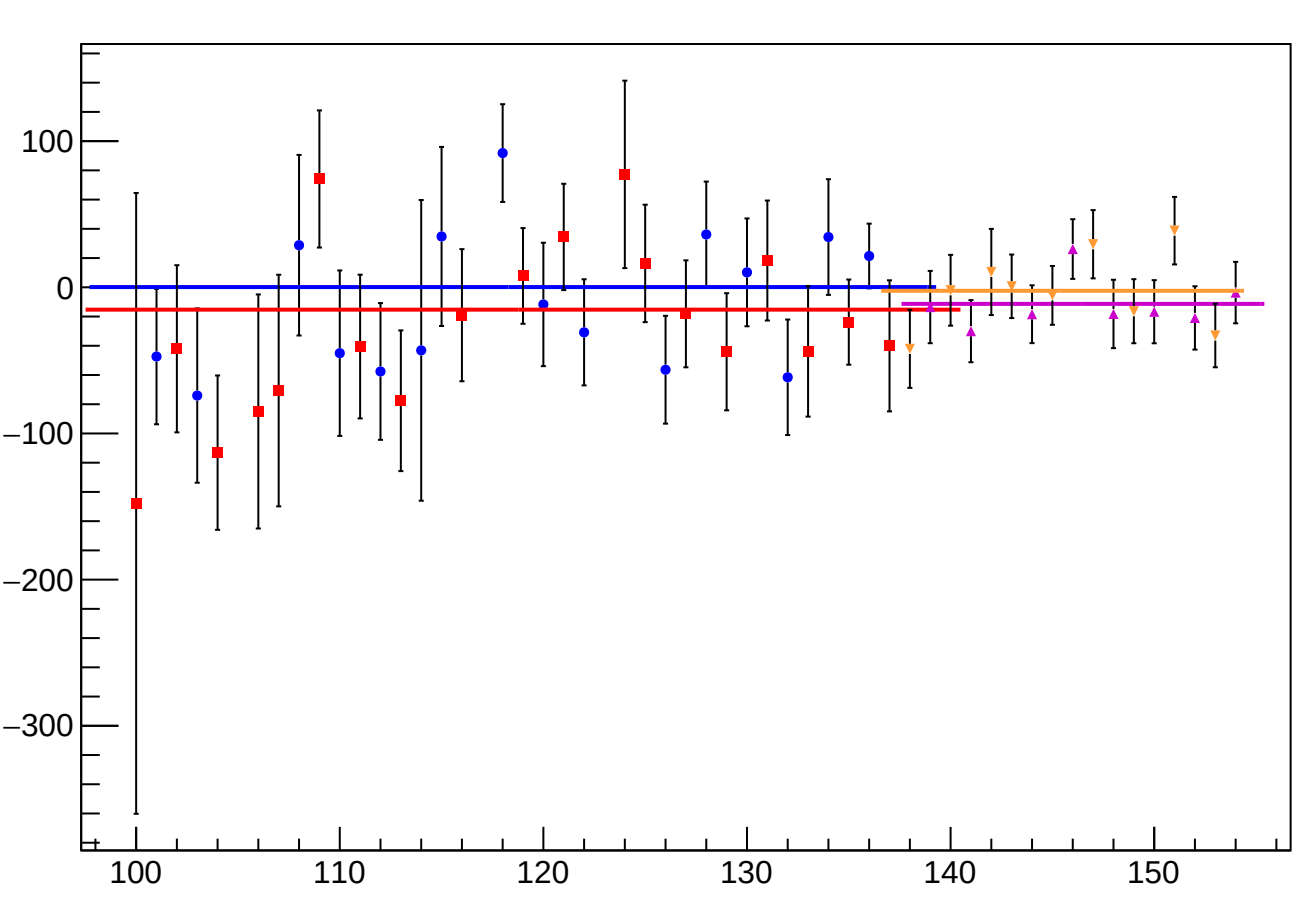
Left: 184.996+/-0.036 χ^2/NDF: 1172007.9/16

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 221.003+/-0.045 χ^2/NDF:3893916.5/23

Out: 222.996+/-0.045 χ^2/NDF:4255090.1/27

All: 221.994+/-0.032 χ^2/NDF: 8149989.5/51



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: -11.342+/-7.632 χ^2/NDF:4.8/7

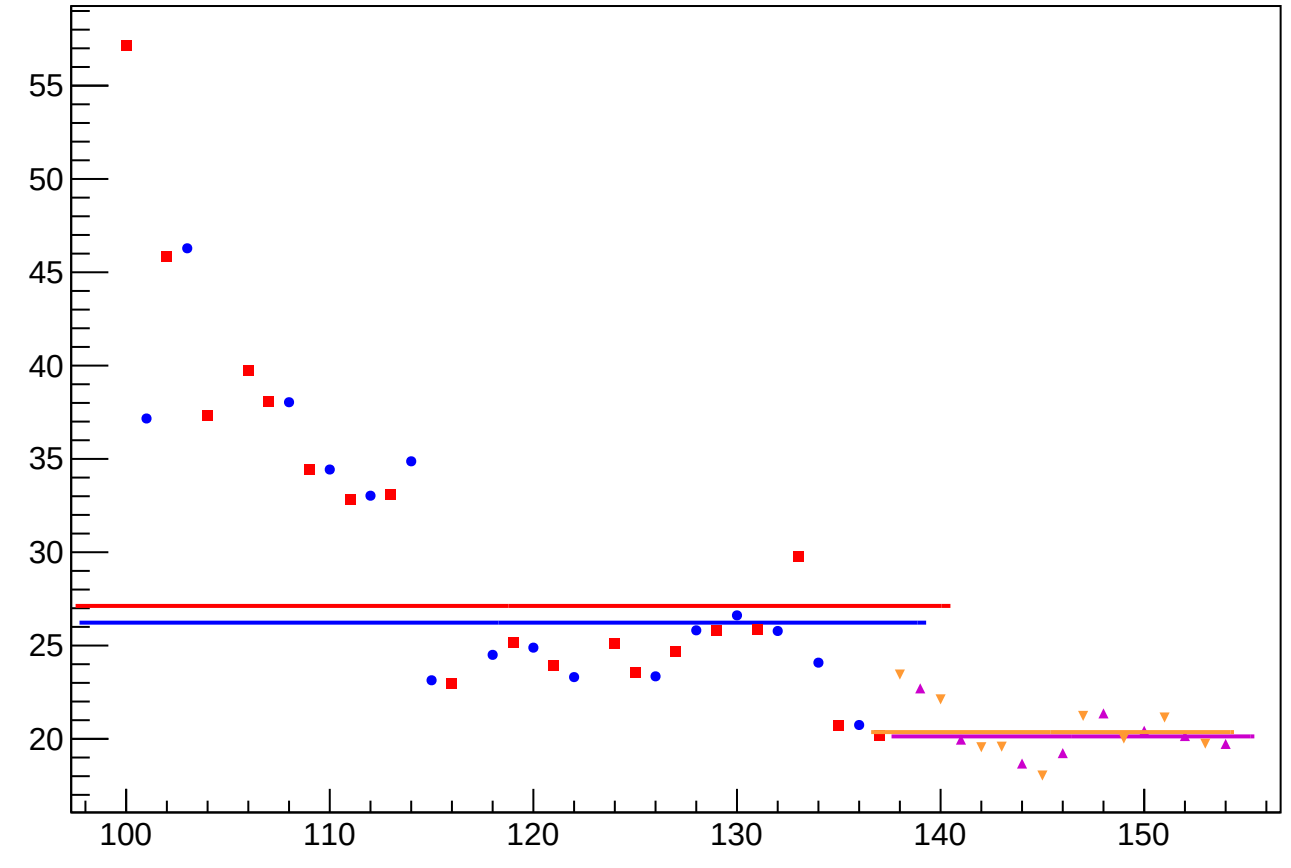
Left: -6.918+/-5.429 χ^2/NDF: 15.3/16

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.135+/-6.078 χ^2/NDF:26.9/23

Out: -7.049+/-6.173 χ^2/NDF:28.8/27

All: -7.093+/-4.331 χ^2/NDF: 55.7/51



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: 20.132+/-0.005 χ^2/NDF:43132.5/7

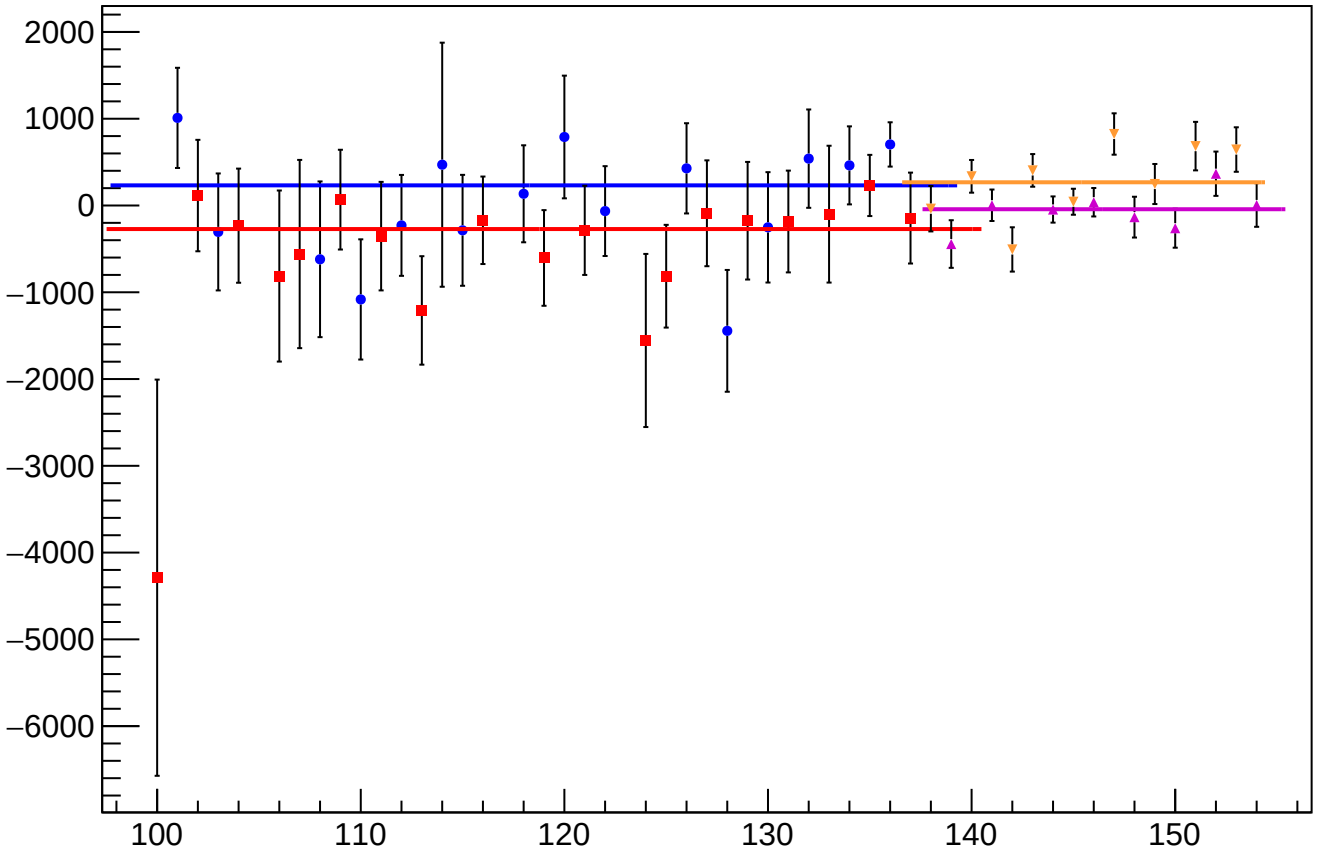
Left: 20.246+/-0.004 χ^2/NDF: 119247.5/16

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.362+/-0.004 χ^2/NDF:1185794.1/23

Out: 22.806+/-0.004 χ^2/NDF:1374416.4/27

All: 22.581+/-0.003 χ^2/NDF: 2565468.9/51



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: -43.010+/-71.824 χ^2/NDF:6.1/7

Left: 112.815+/-50.697 χ^2/NDF: 38.8/16

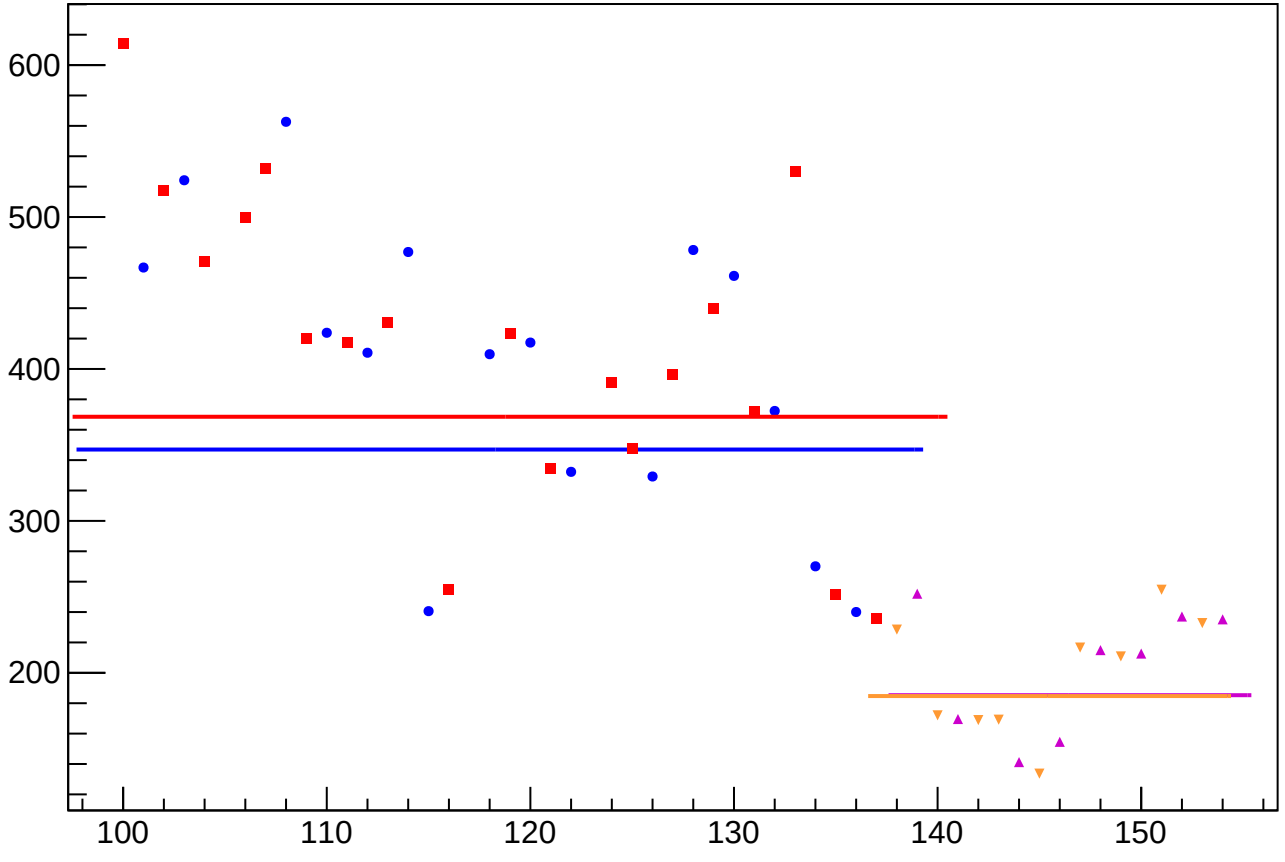
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 17.770+/-63.395 χ^2/NDF:29.0/23

Out: 156.102+/-63.742 χ^2/NDF:46.6/27

All: 86.559+/-44.949 χ^2/NDF: 78.0/51

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: 185.279+/-0.051 χ^2/NDF:596491.7/7

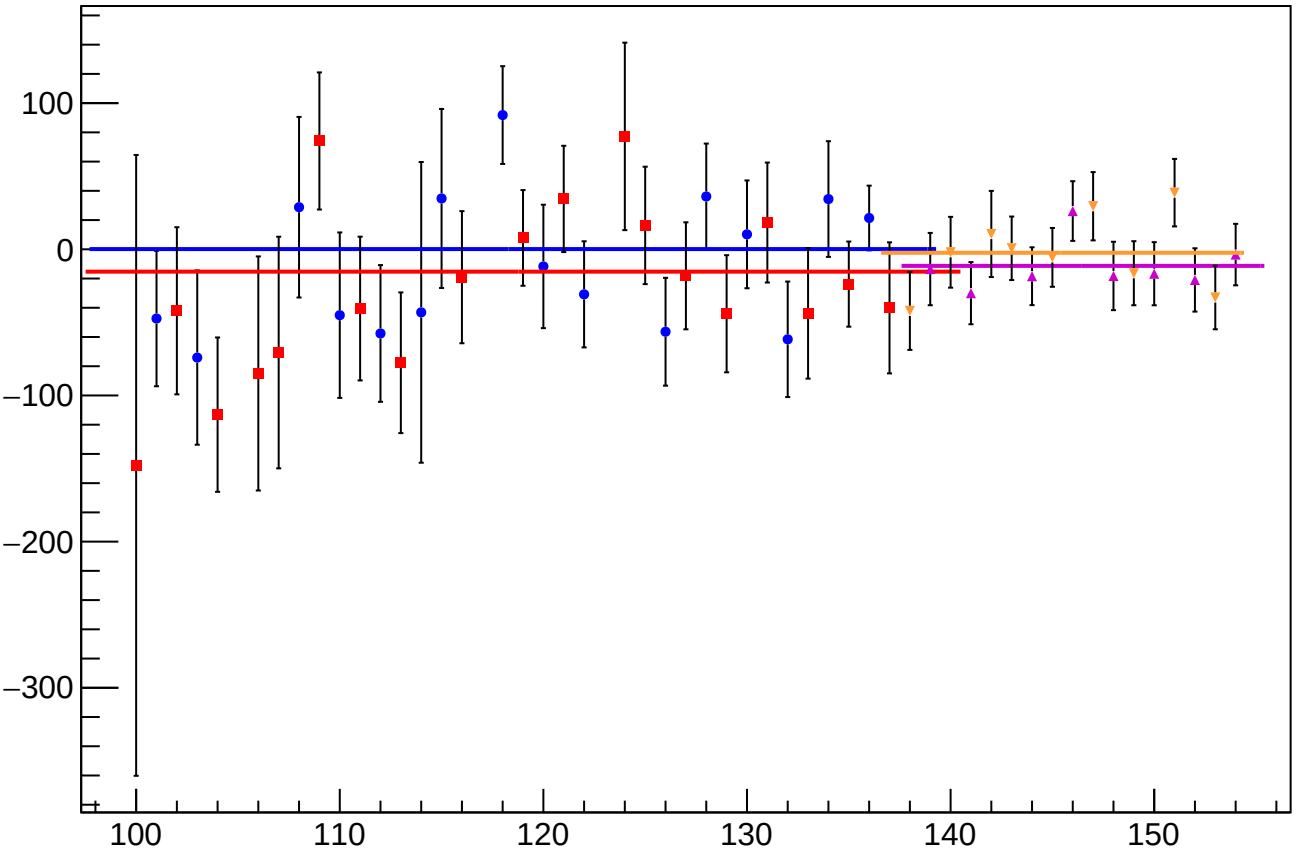
Left: 184.996+/-0.036 χ^2/NDF: 1172008.6/16

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 221.003+/-0.045 χ^2/NDF:3893937.5/23

Out: 222.722+/-0.045 χ^2/NDF:4203877.1/27

All: 221.858+/-0.032 χ^2/NDF: 8098545.9/51



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: -11.342+/-7.632 χ^2/NDF:4.8/7

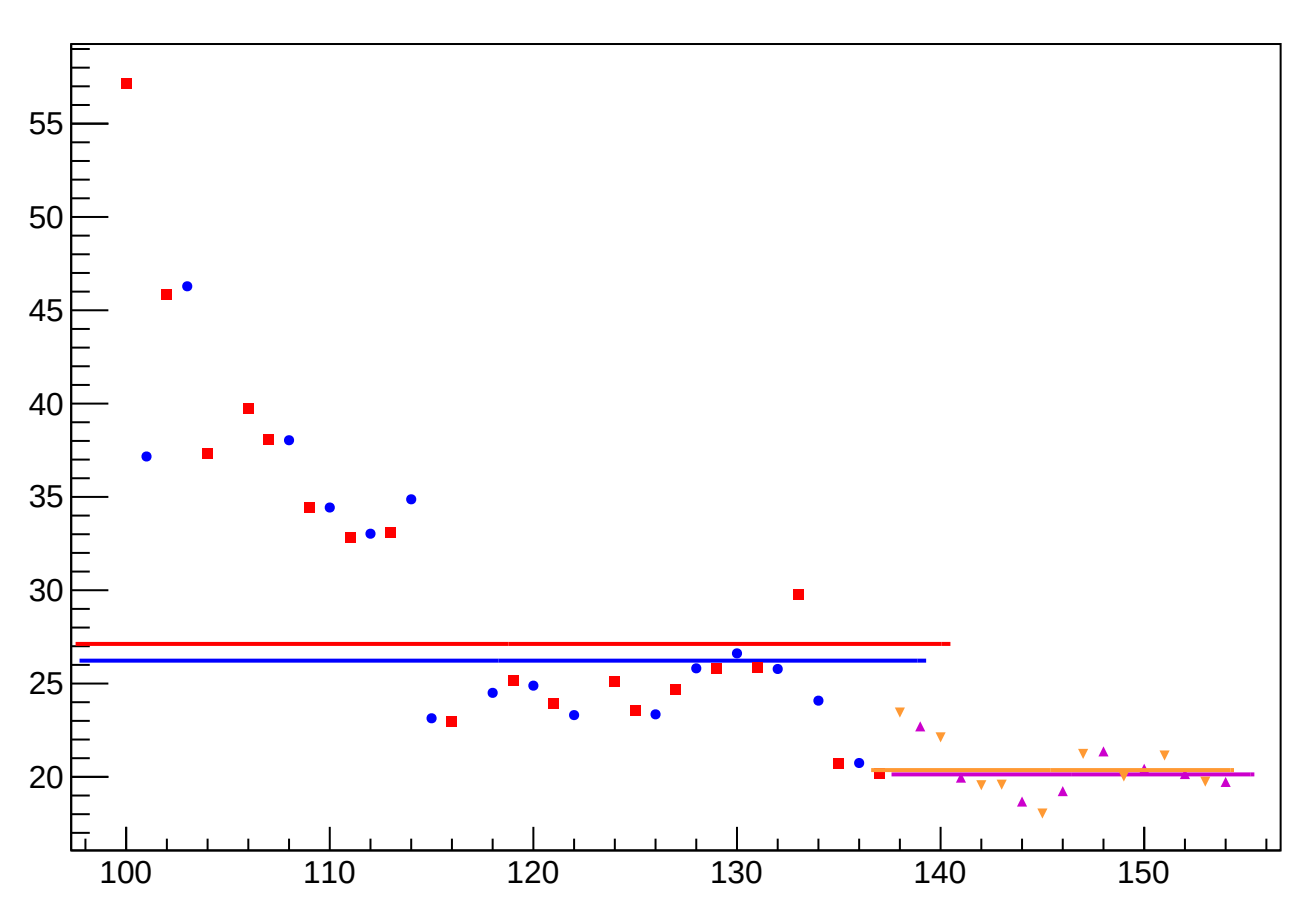
Left: -6.918+/-5.429 χ^2/NDF: 15.3/16

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.135+/-6.078 χ^2/NDF:26.9/23

Out: -7.049+/-6.173 χ^2/NDF:28.8/27

All: -7.093+/-4.331 χ^2/NDF: 55.7/51



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: 20.132+/-0.005 χ^2/NDF:43132.5/7

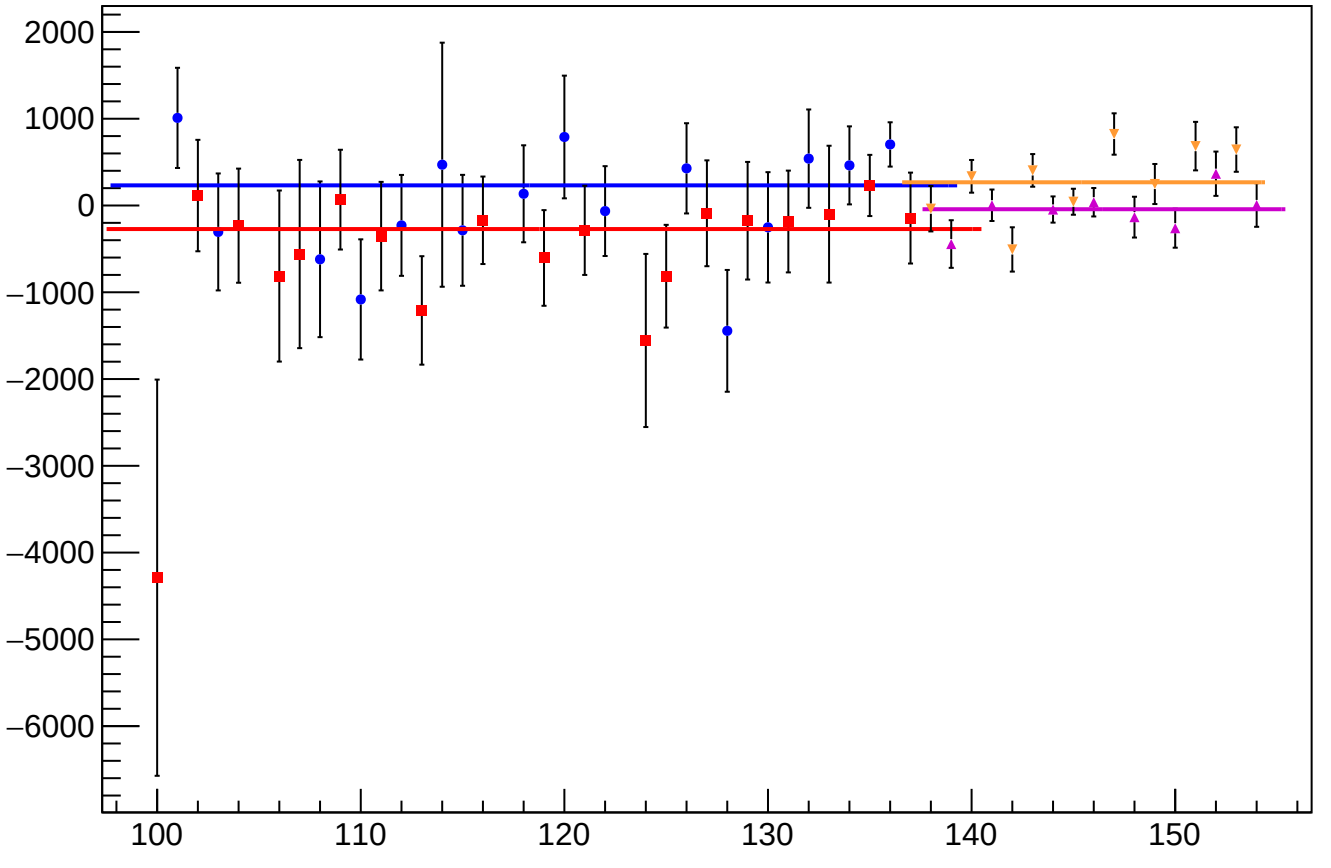
Left: 20.246+/-0.004 χ^2/NDF: 119247.5/16

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.362+/-0.004 χ^2/NDF:1185794.1/23

Out: 22.806+/-0.004 χ^2/NDF:1374416.4/27

All: 22.581+/-0.003 χ^2/NDF: 2565468.9/51



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: -43.010+/-71.824 χ^2/NDF:6.1/7

Left: 112.815+/-50.697 χ^2/NDF: 38.8/16

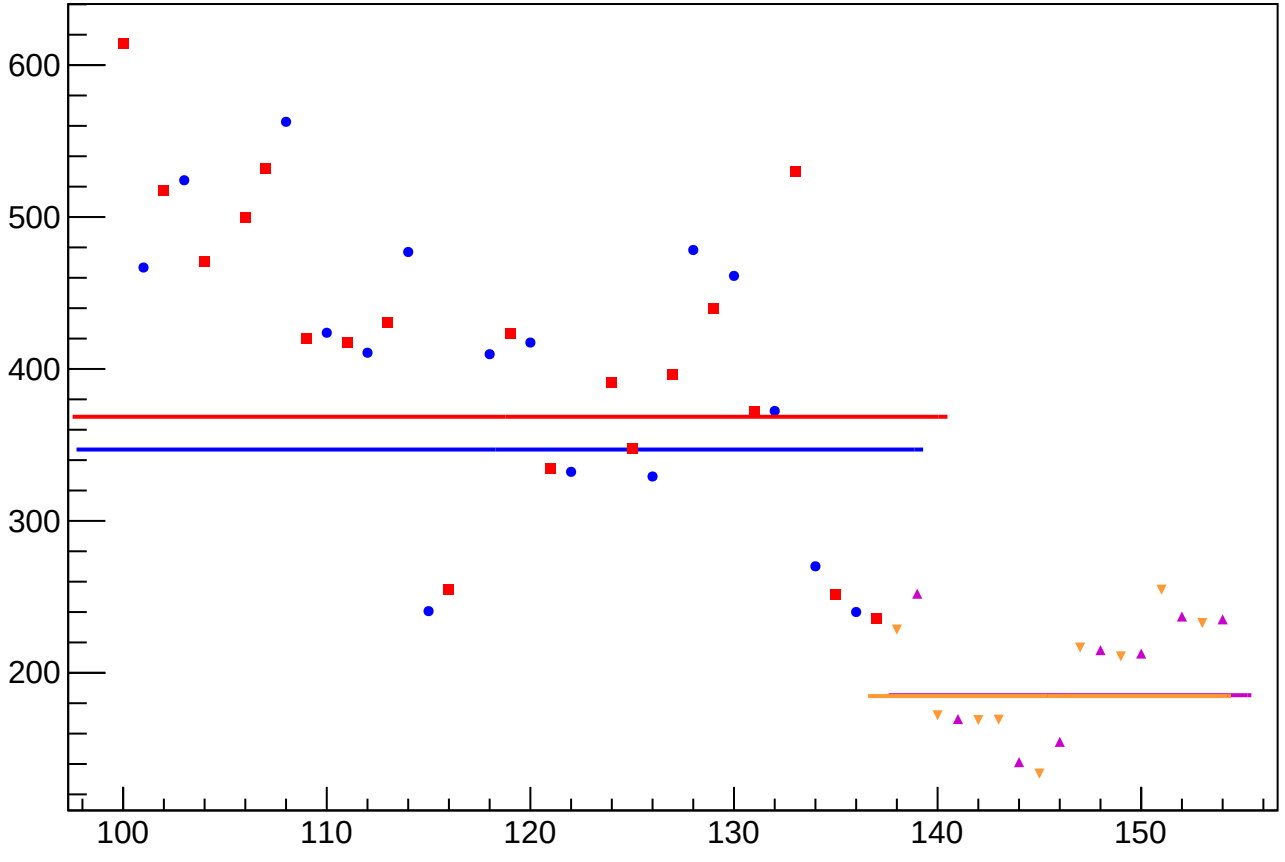
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 17.770+/-63.395 χ^2/NDF:29.0/23

Out: 156.102+/-63.742 χ^2/NDF:46.6/27

All: 86.559+/-44.949 χ^2/NDF: 78.0/51

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: 185.279+/-0.051 χ^2/NDF:596491.7/7

Left: 184.996+/-0.036 χ^2/NDF: 1172008.6/16

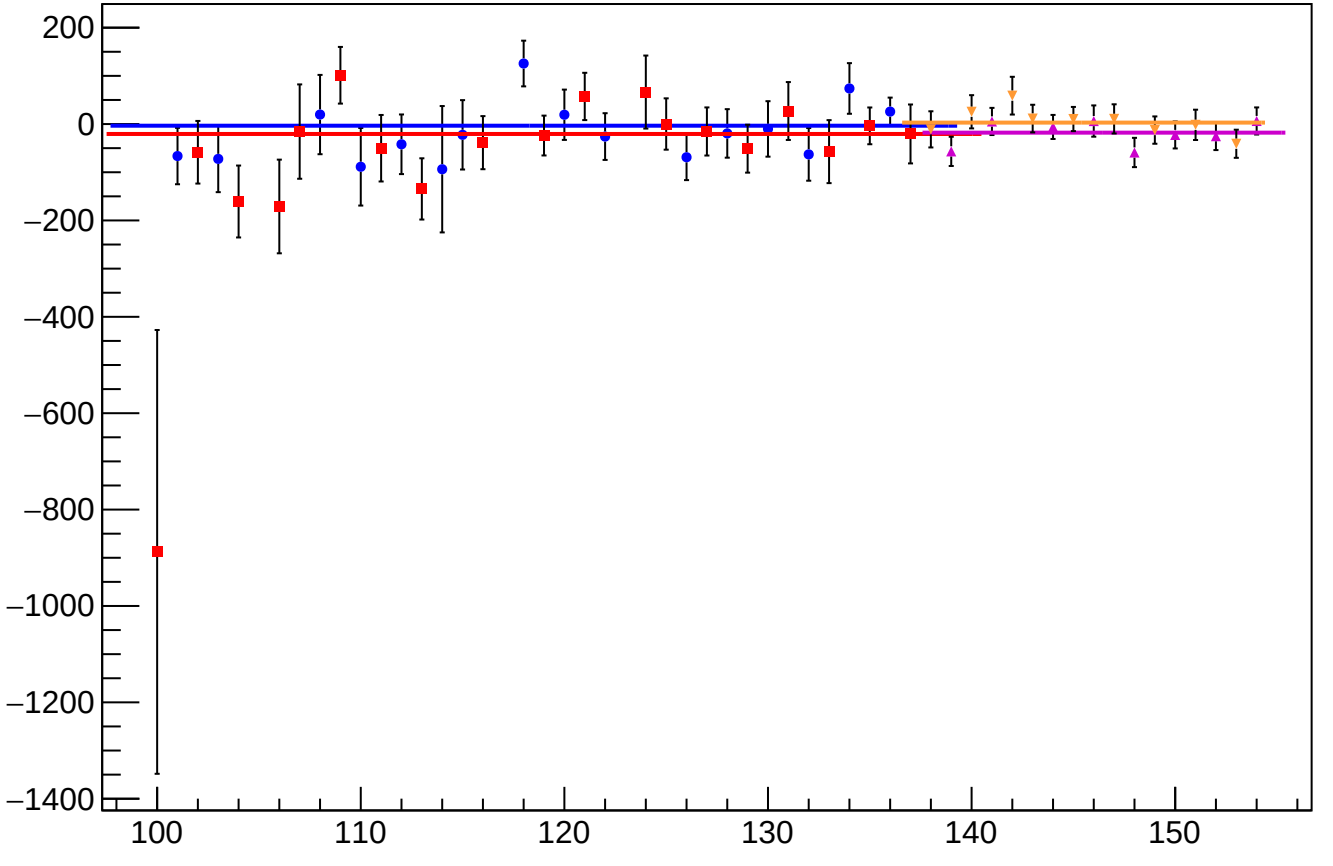
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 221.003+/-0.045 χ^2/NDF:3893937.5/23

Out: 222.722+/-0.045 χ^2/NDF:4203877.1/27

All: 221.858+/-0.032 χ^2/NDF: 8098545.9/51

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: -17.838+/-10.138 χ^2/NDF:5.8/7

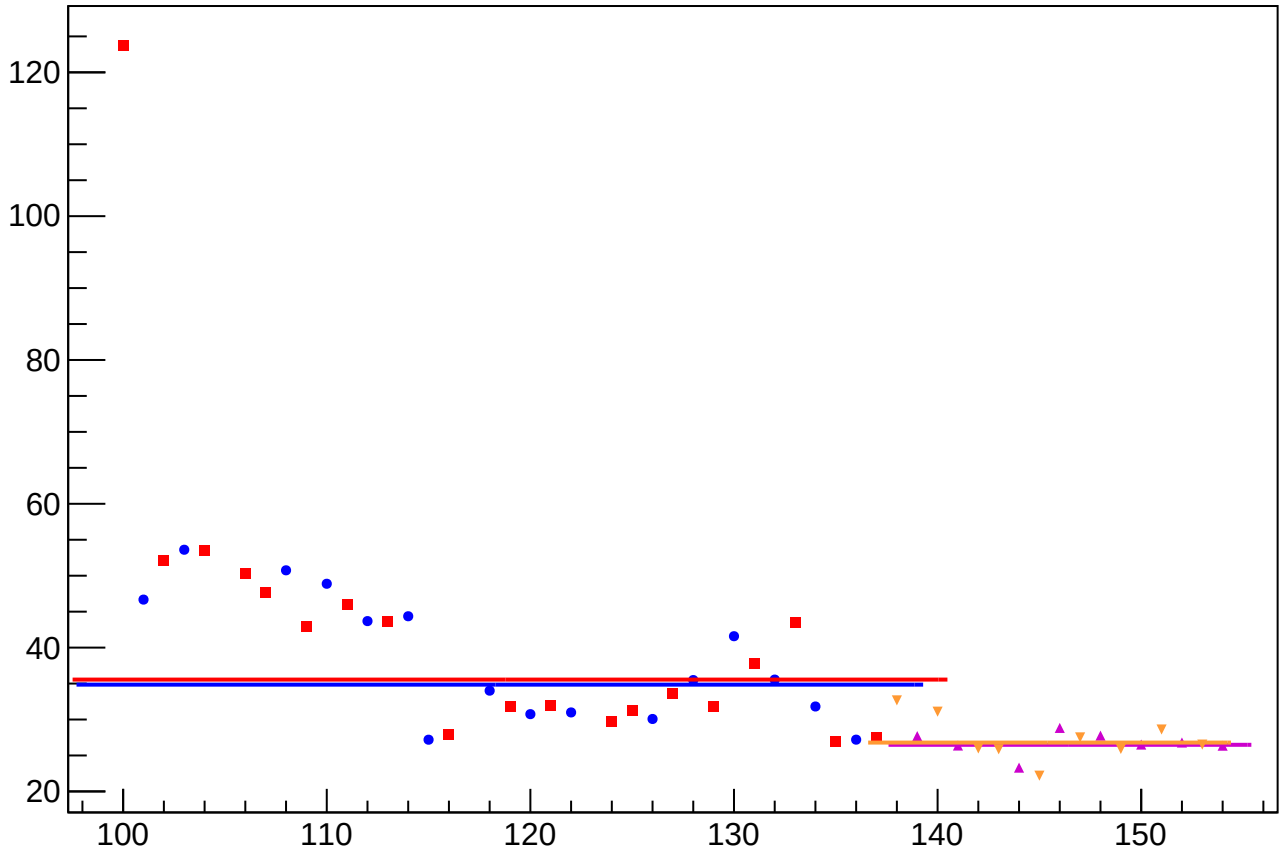
Left: -7.513+/-7.206 χ^2/NDF: 13.3/16

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.587+/-8.083 χ^2/NDF:25.0/23

Out: -5.615+/-8.156 χ^2/NDF:30.5/27

All: -9.132+/-5.741 χ^2/NDF: 55.8/51



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: 26.483+/-0.007 χ^2/NDF:49870.7/7

Left: 26.636+/-0.005 χ^2/NDF: 210929.6/16

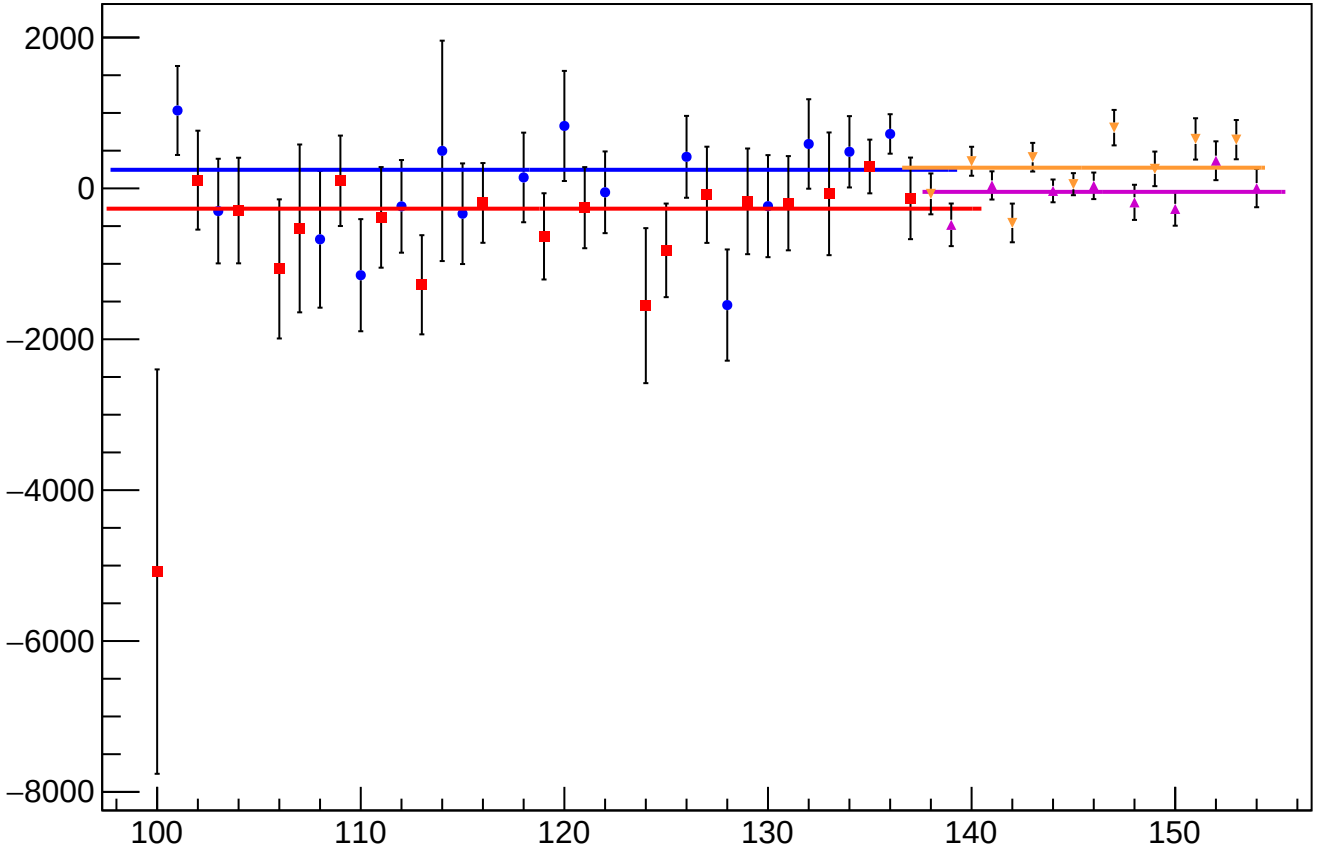
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.531+/-0.006 χ^2/NDF:1204360.3/23

Out: 30.002+/-0.006 χ^2/NDF:1475626.4/27

All: 29.764+/-0.004 χ^2/NDF: 2683352.2/51

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: -46.052+/-73.215 χ^2/NDF:6.8/7

Left: 117.923+/-51.153 χ^2/NDF: 38.5/16

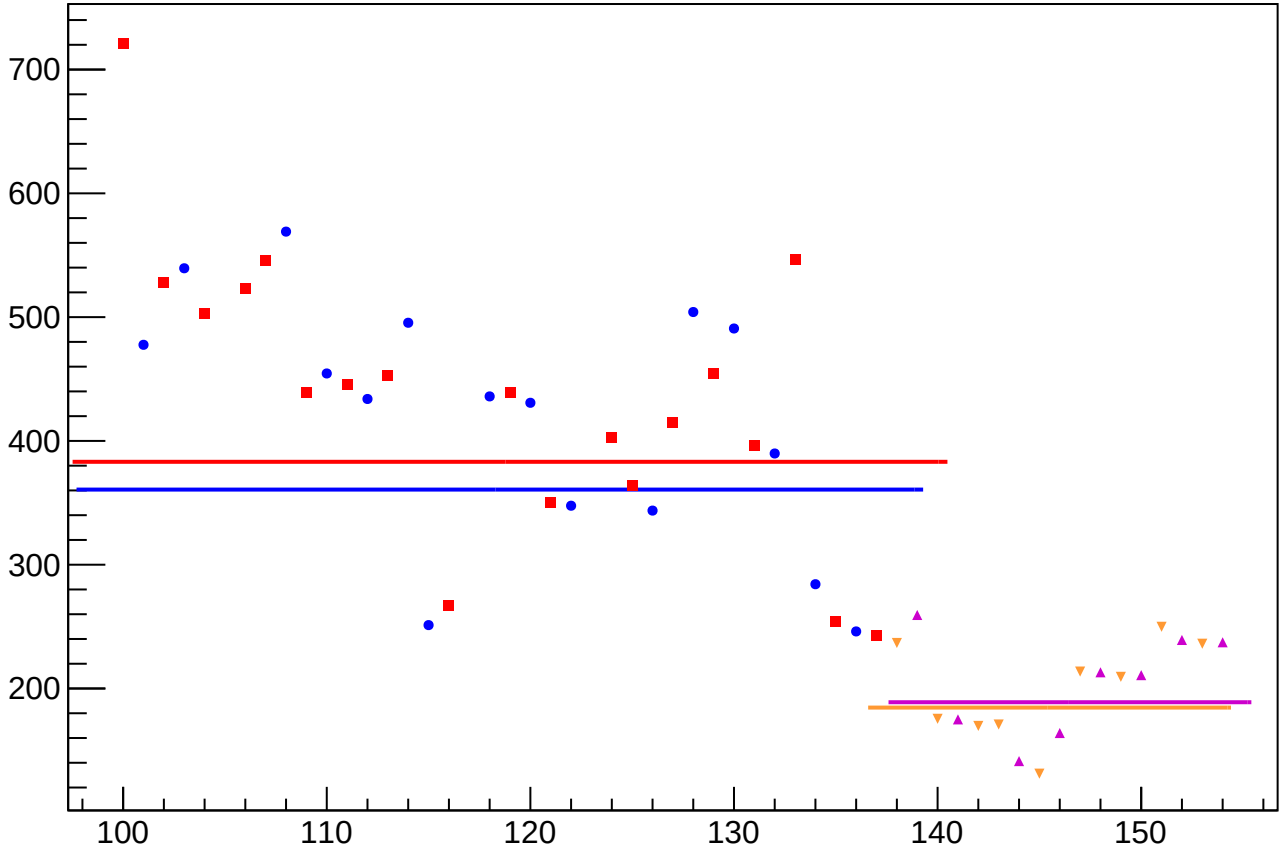
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 16.584+/-64.906 χ^2/NDF:30.0/23

Out: 168.402+/-64.151 χ^2/NDF:45.7/27

All: 93.380+/-45.626 χ^2/NDF: 78.5/51

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: 188.904+/-0.052 χ^2/NDF:564106.6/7

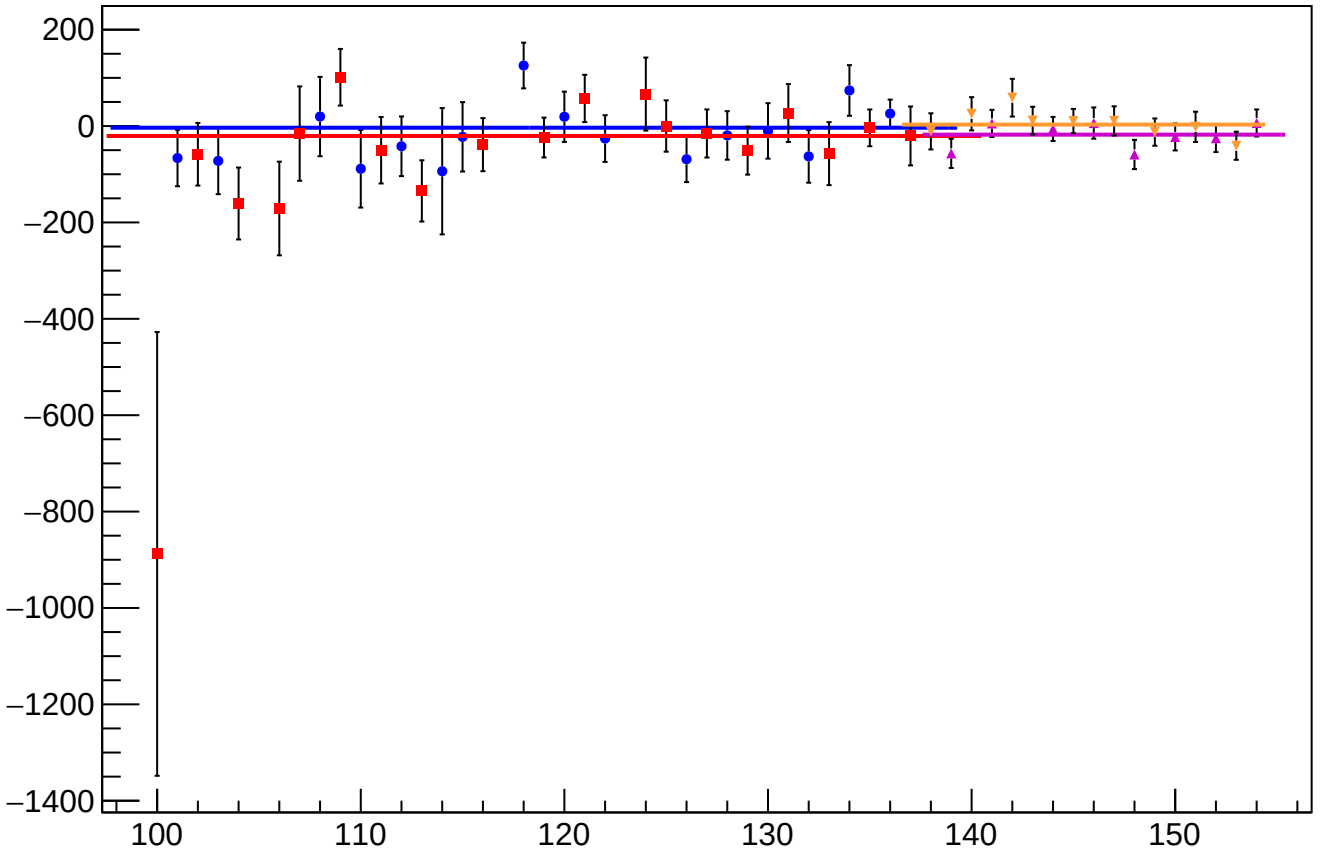
Left: 186.692+/-0.036 χ^2/NDF: 1175994.9/16

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 225.683+/-0.046 χ^2/NDF:4014237.4/23

Out: 223.288+/-0.045 χ^2/NDF:4578144.6/27

All: 224.472+/-0.032 χ^2/NDF: 8593759.5/51



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: -17.838+/-10.138 χ^2/NDF:5.8/7

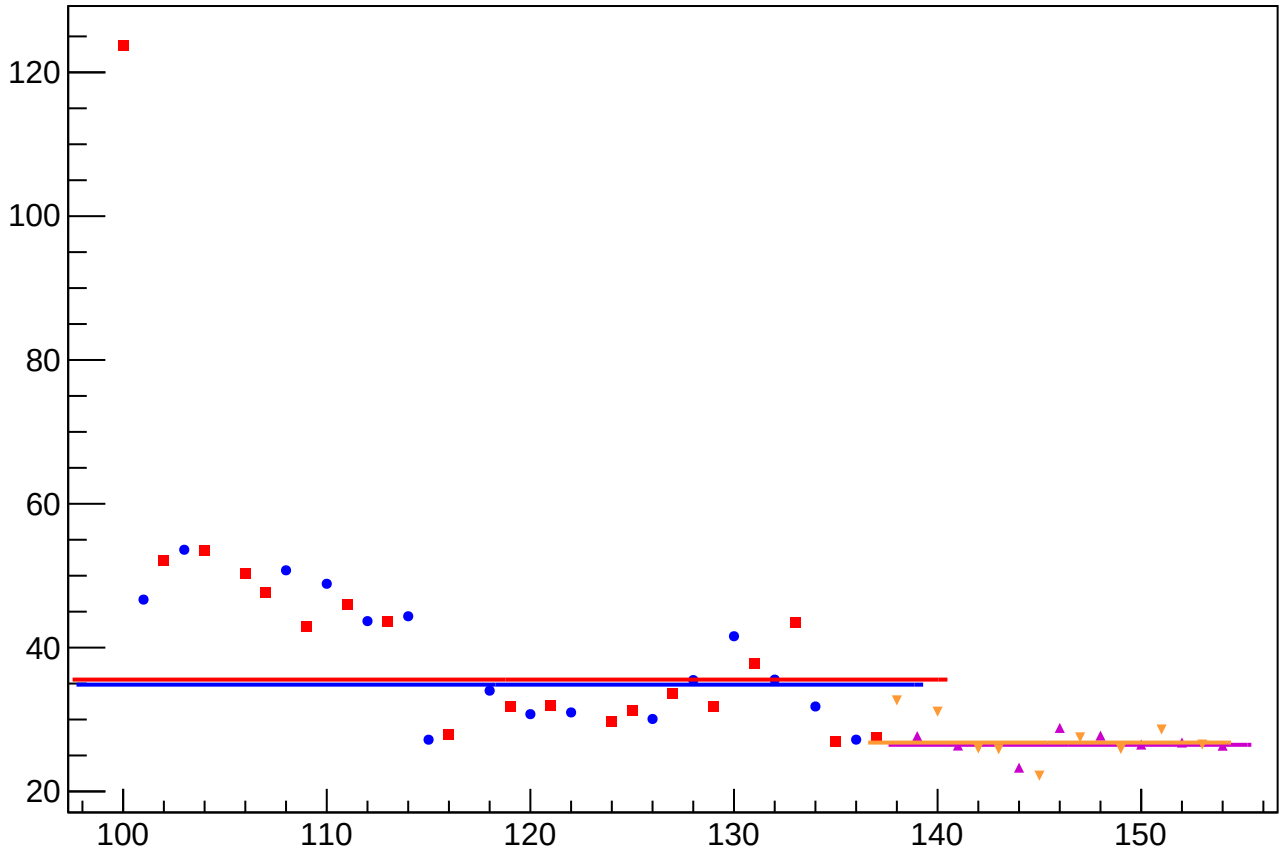
Left: -7.513+/-7.207 χ^2/NDF: 13.3/16

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.587+/-8.083 χ^2/NDF:25.0/23

Out: -5.615+/-8.156 χ^2/NDF:30.5/27

All: -9.132+/-5.741 χ^2/NDF: 55.8/51



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: 26.483+/-0.007 χ^2/NDF:49866.8/7

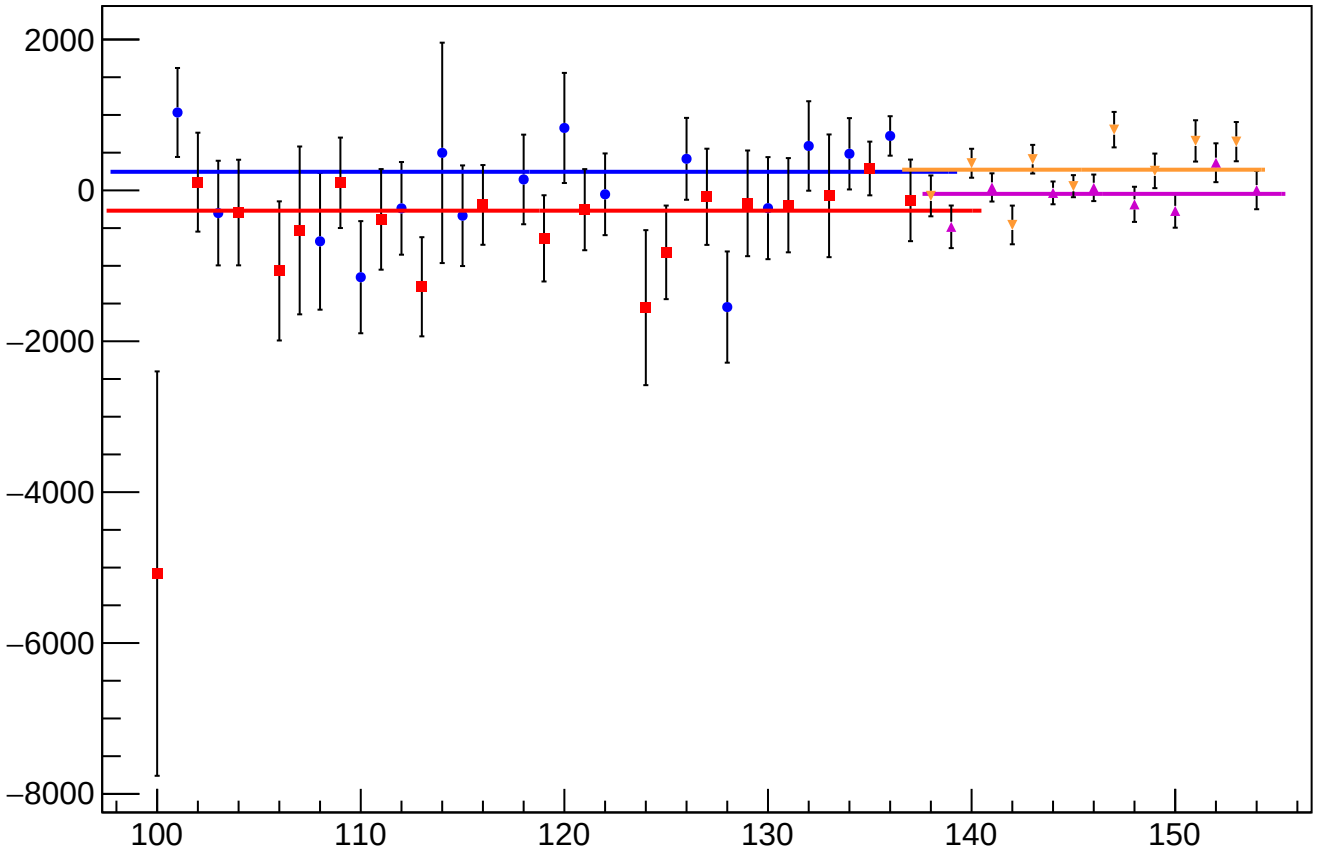
Left: 26.636+/-0.005 χ^2/NDF: 210909.6/16

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.531+/-0.006 χ^2/NDF:1204247.6/23

Out: 30.002+/-0.006 χ^2/NDF:1475528.8/27

All: 29.764+/-0.004 χ^2/NDF: 2683142.4/51



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: -46.052+/-73.214 χ^2/NDF:6.8/7

Left: 117.922+/-51.153 χ^2/NDF: 38.5/16

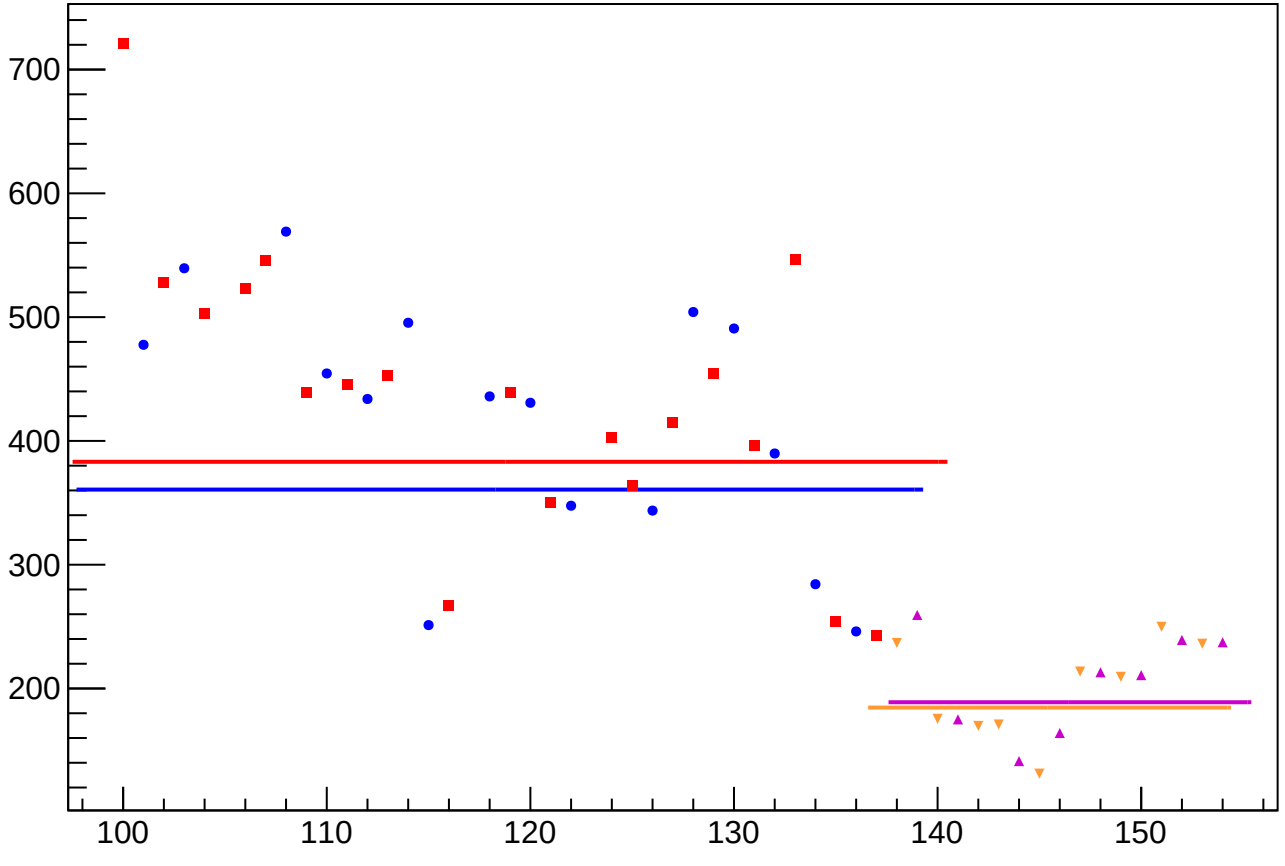
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 16.583+/-64.906 χ^2/NDF:30.0/23

Out: 168.401+/-64.151 χ^2/NDF:45.7/27

All: 93.380+/-45.626 χ^2/NDF: 78.5/51

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: 188.904+/-0.052 χ^2/NDF:564108.8/7

Left: 186.691+/-0.036 χ^2/NDF: 1176009.4/16

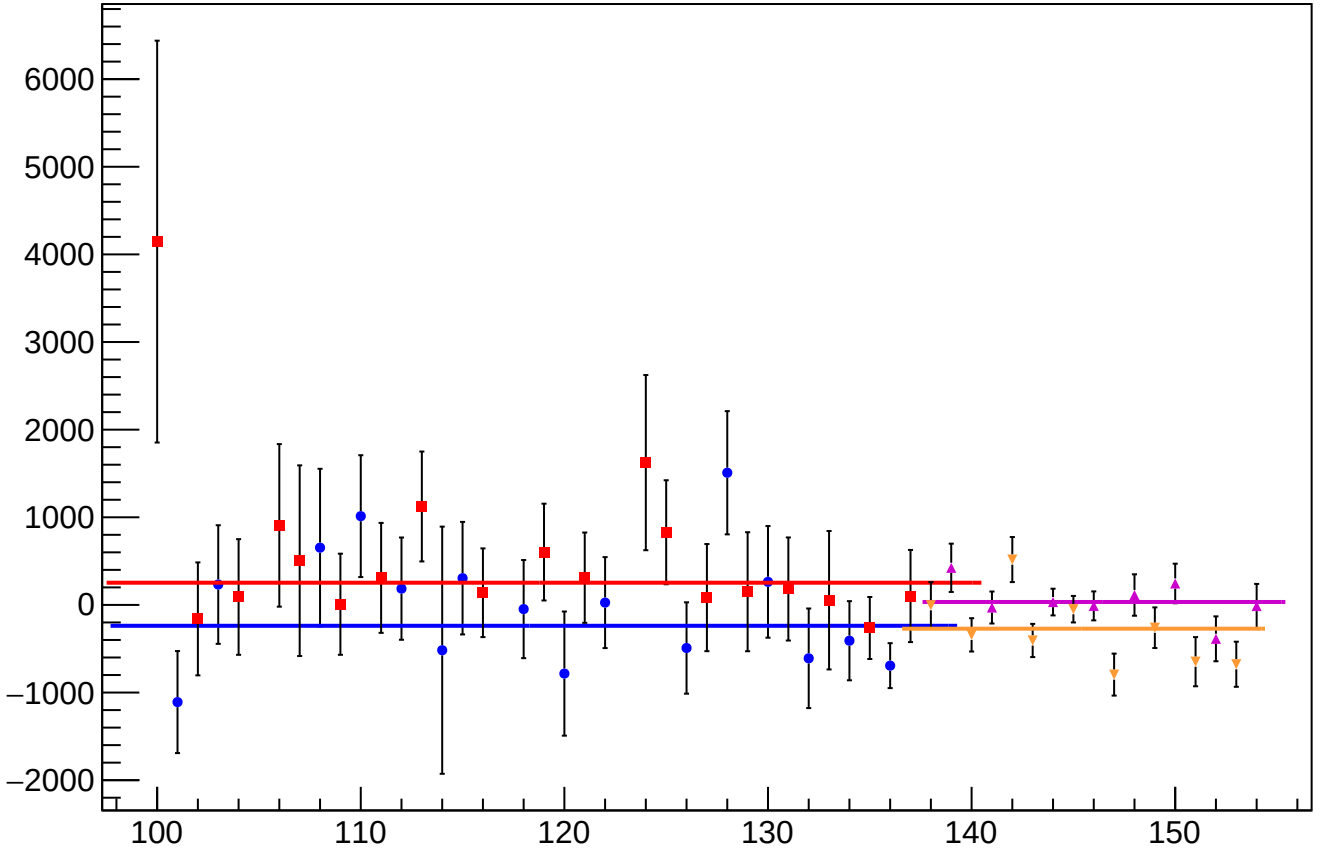
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 225.683+/-0.046 χ^2/NDF:4014228.7/23

Out: 223.287+/-0.045 χ^2/NDF:4578159.6/27

All: 224.471+/-0.032 χ^2/NDF: 8593766.1/51

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: 33.600+/-72.292 χ^2/NDF:5.9/7

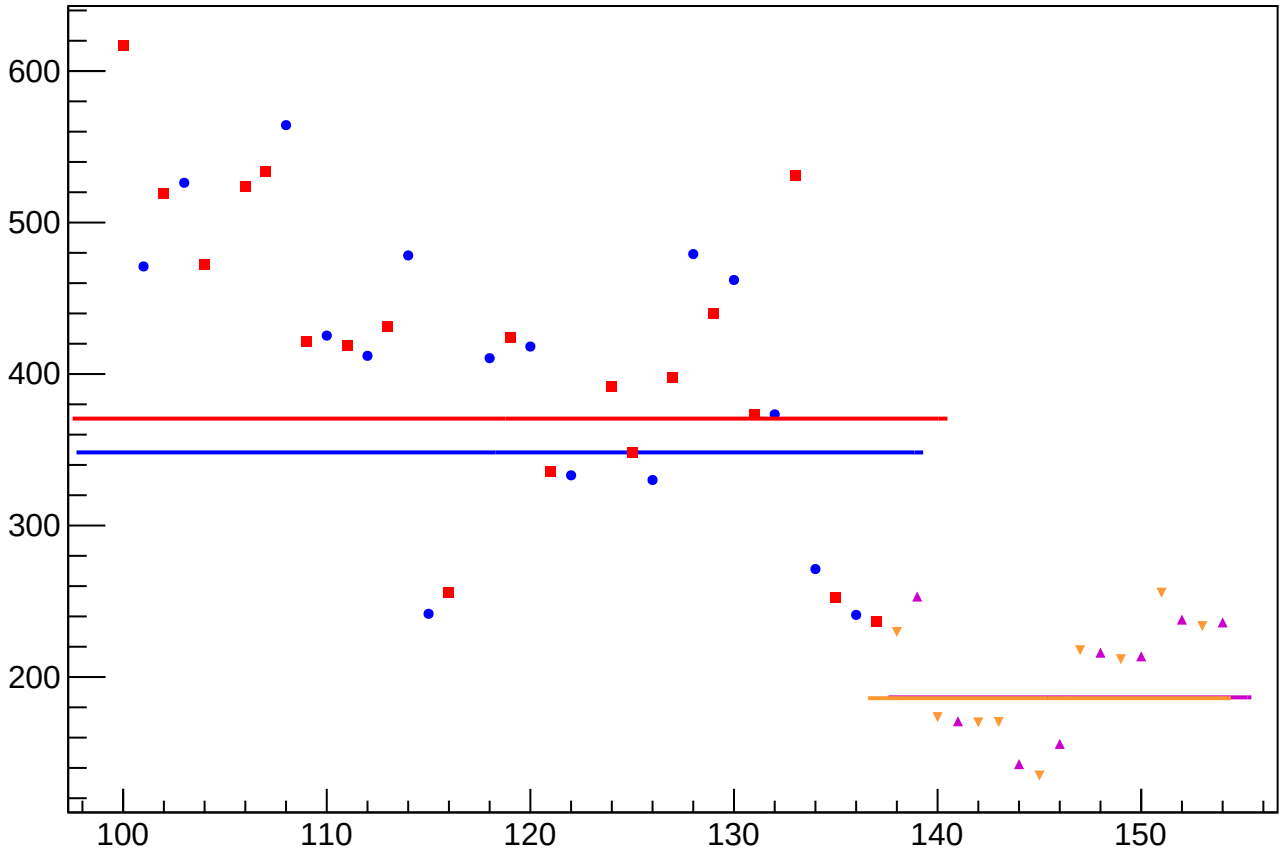
Left: -119.346+/-51.030 χ^2/NDF: 37.2/16

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -26.693+/-63.766 χ^2/NDF:29.0/23

Out: -161.902+/-64.099 χ^2/NDF:45.1/27

All: -93.946+/-45.207 χ^2/NDF: 76.3/51



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: 186.576+/-0.051 χ^2/NDF:585142.2/7

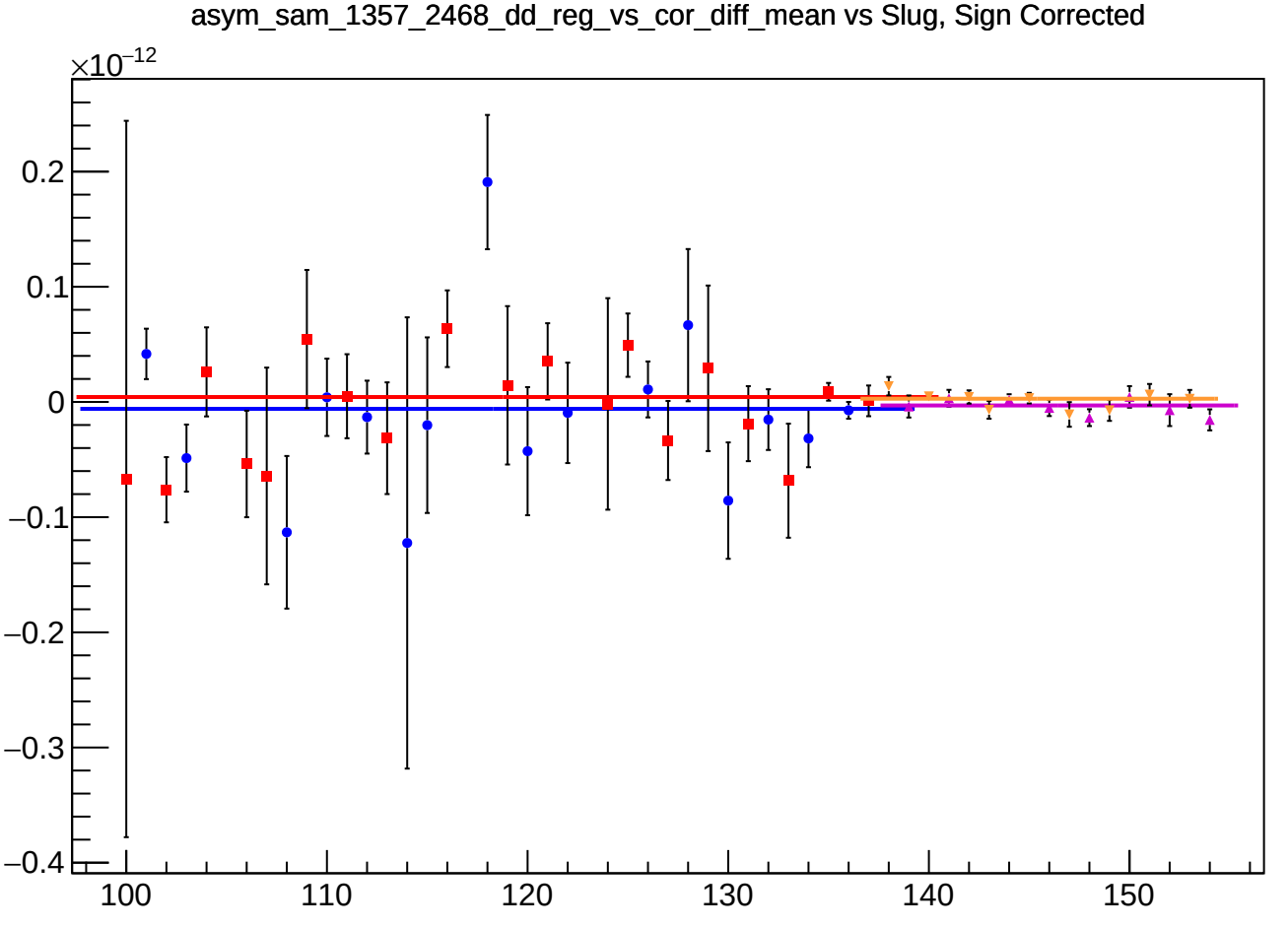
Left: 186.301+/-0.036 χ^2/NDF: 1149957.0/16

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 222.462+/-0.045 χ^2/NDF:3862277.4/23

Out: 224.488+/-0.045 χ^2/NDF:4217841.0/27

All: 223.470+/-0.032 χ^2/NDF: 8081122.5/51



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:6.6/7

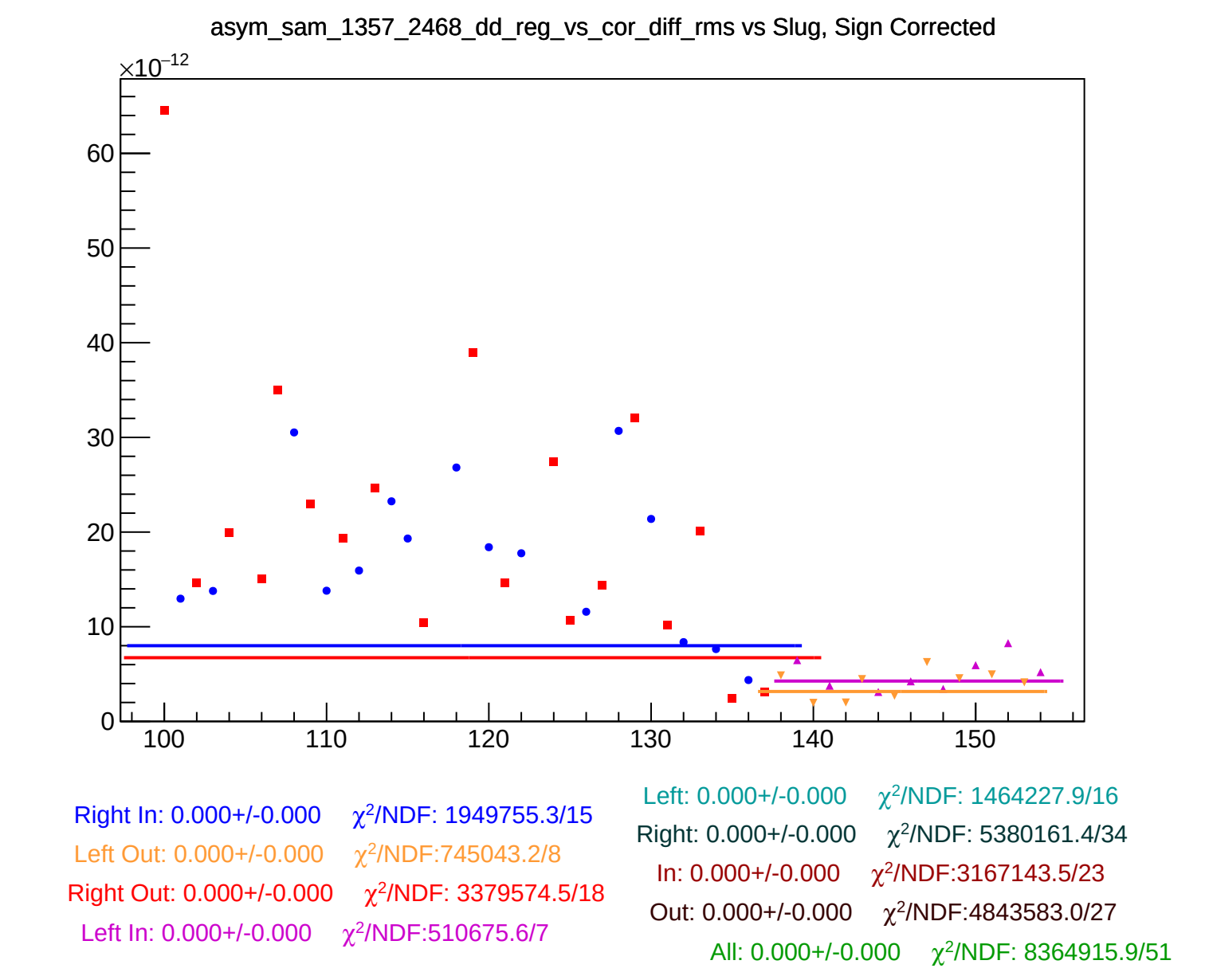
Left: 0.000+/-0.000 χ^2/NDF: 16.2/16

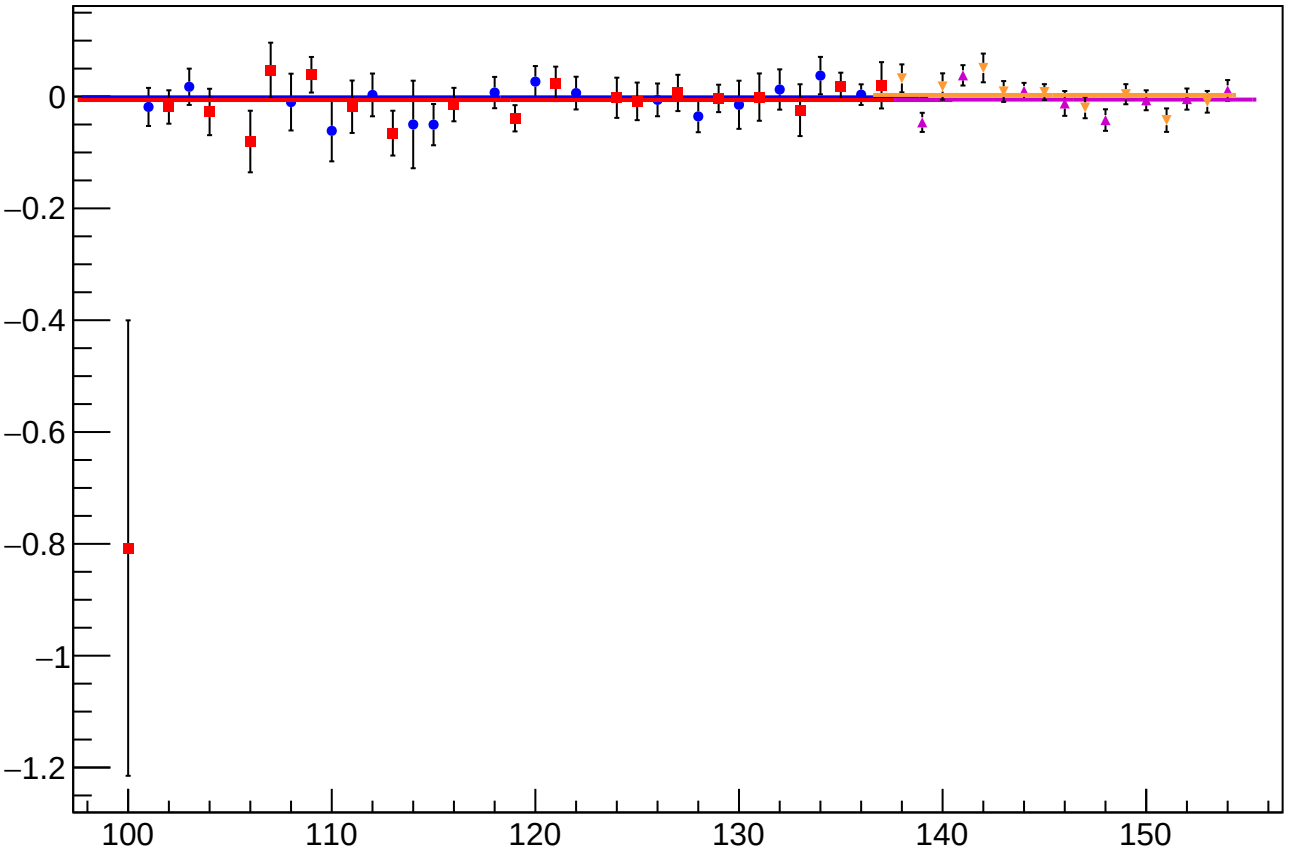
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:34.1/23

Out: 0.000+/-0.000 χ^2/NDF:29.7/27

All: 0.000+/-0.000 χ^2/NDF: 68.2/51


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:745043.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:510675.6/7
Left: 0.000+/-0.000 χ²/NDF: 1464227.9/16
Right: 0.000+/-0.000 χ²/NDF: 5380161.4/34
In: 0.000+/-0.000 χ²/NDF:3167143.5/23
Out: 0.000+/-0.000 χ²/NDF:4843583.0/27
All: 0.000+/-0.000 χ²/NDF: 8364915.9/51



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: -0.005+/-0.006 χ^2/NDF:17.0/7

Left: -0.001+/-0.005 χ^2/NDF: 29.8/16

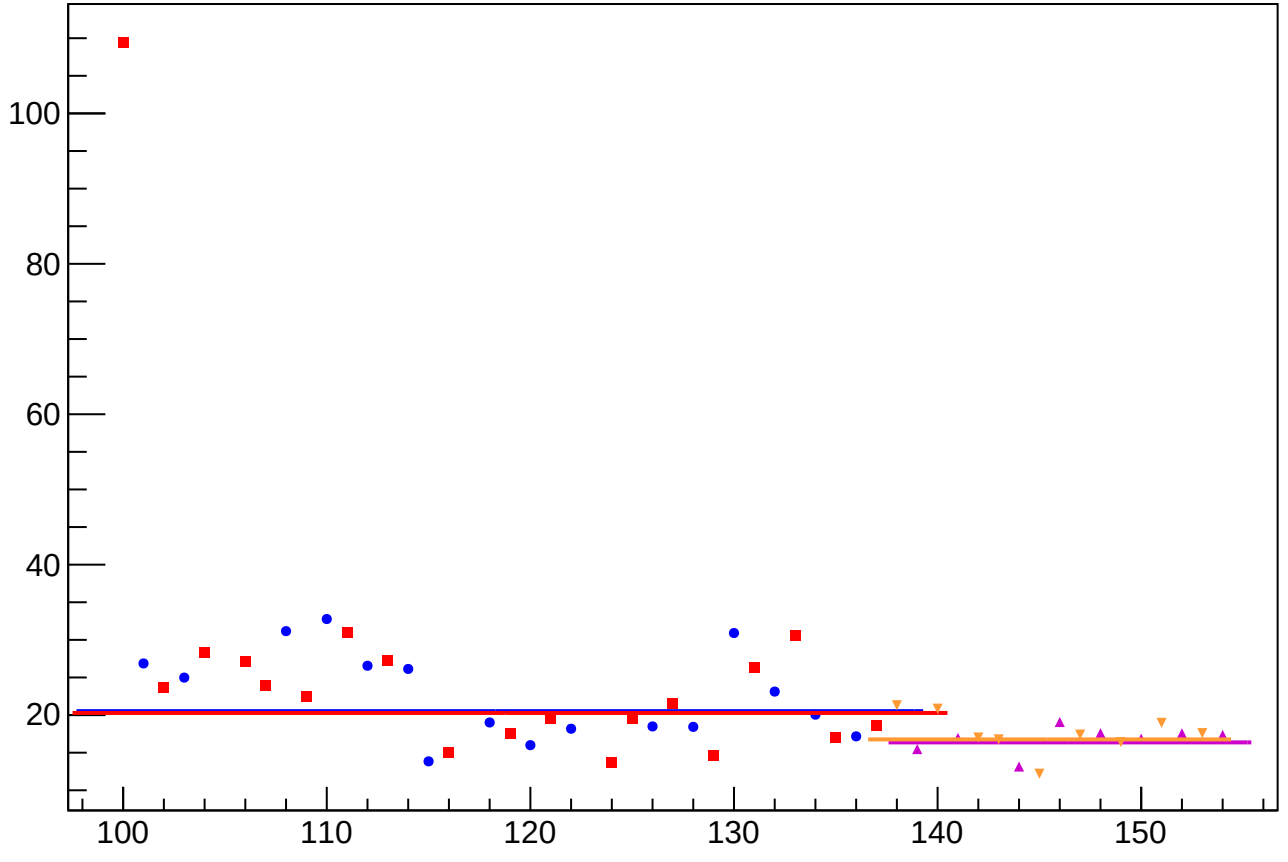
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.005 χ^2/NDF:25.4/23

Out: -0.001+/-0.005 χ^2/NDF:29.0/27

All: -0.002+/-0.004 χ^2/NDF: 54.6/51

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: 16.367+/-0.004 χ^2/NDF:159951.3/7

Left: 16.560+/-0.003 χ^2/NDF: 527306.5/16

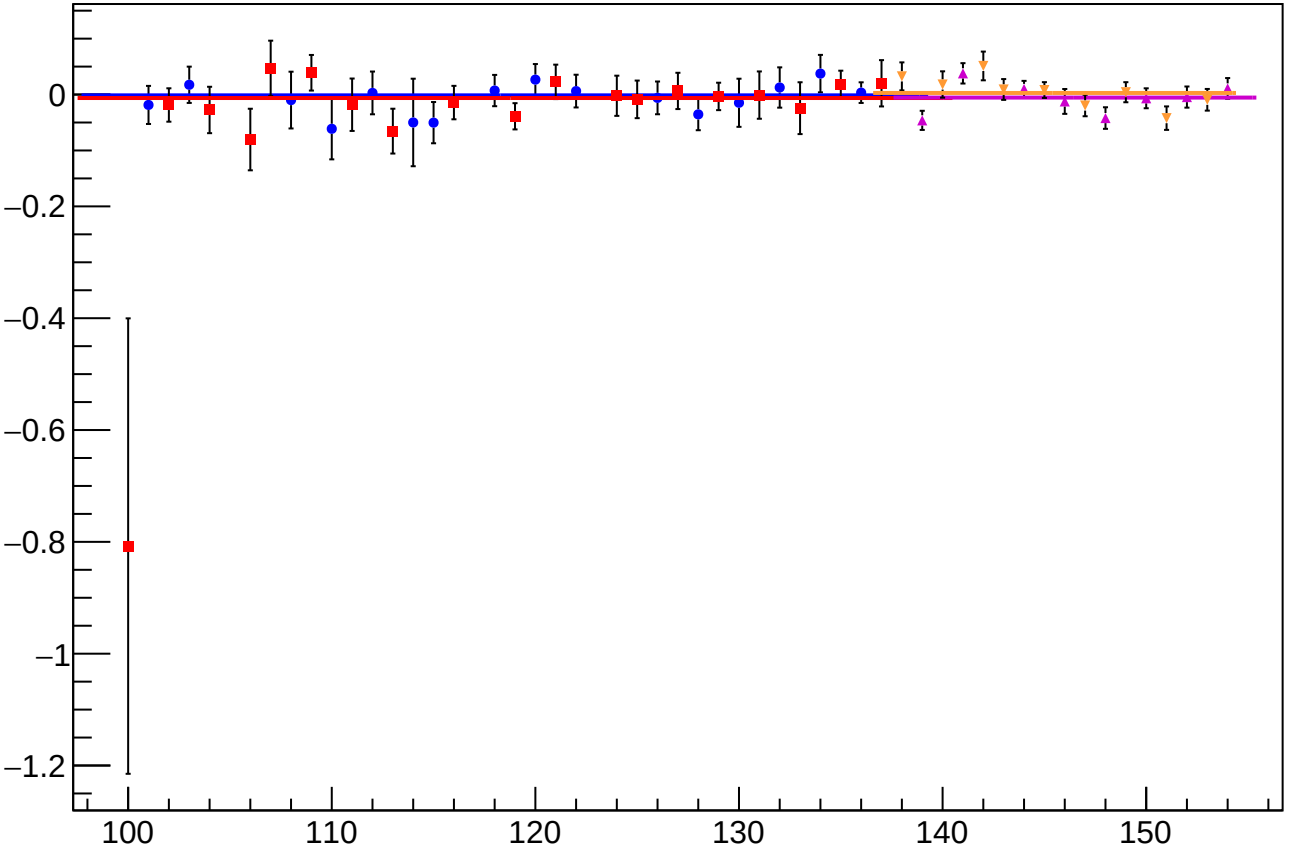
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.957+/-0.004 χ^2/NDF:1193969.3/23

Out: 18.191+/-0.004 χ^2/NDF:1464578.1/27

All: 18.073+/-0.003 χ^2/NDF: 2660727.4/51

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: -0.005+/-0.006 χ^2/NDF:17.0/7

Left: -0.001+/-0.005 χ^2/NDF: 29.8/16

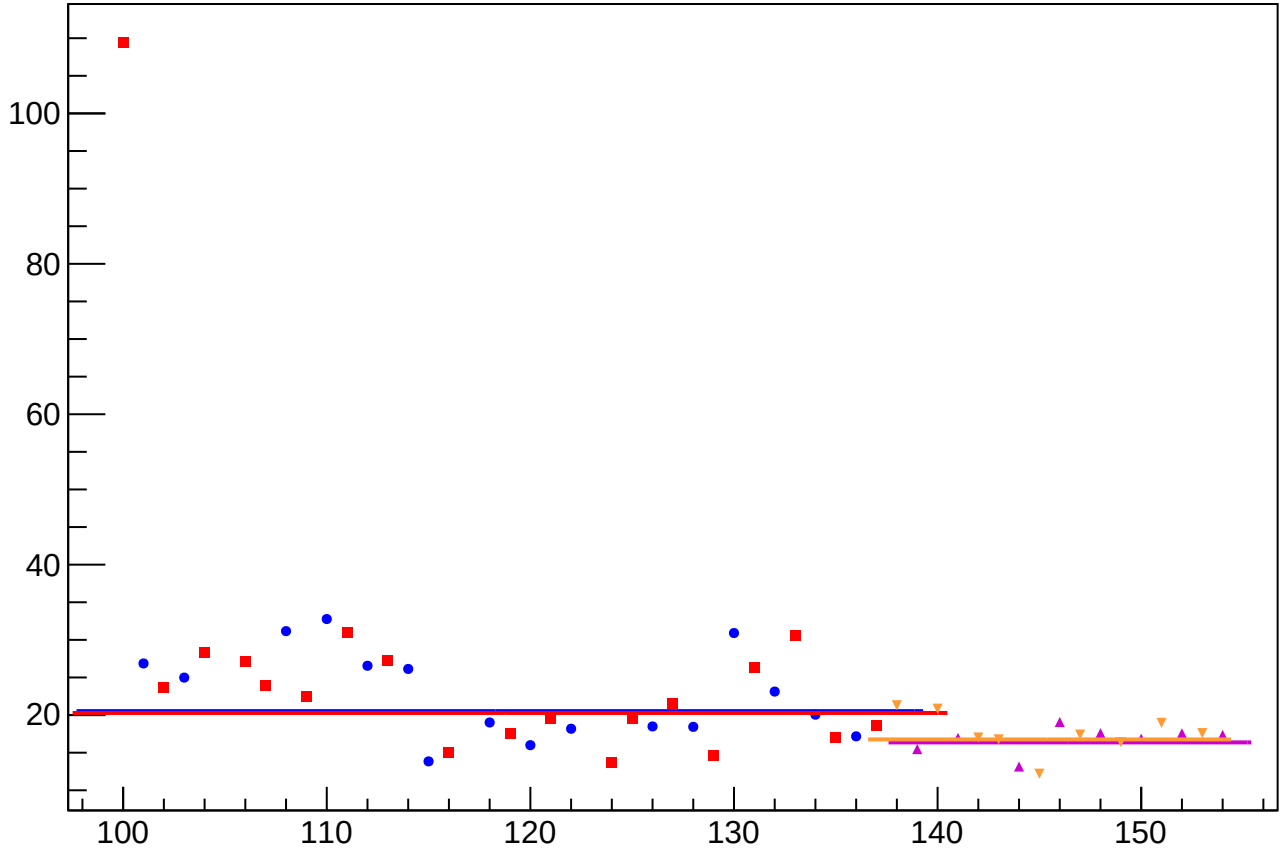
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.005 χ^2/NDF:25.4/23

Out: -0.001+/-0.005 χ^2/NDF:29.0/27

All: -0.002+/-0.004 χ^2/NDF: 54.6/51

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: 16.367+/-0.004 χ^2/NDF:159951.3/7

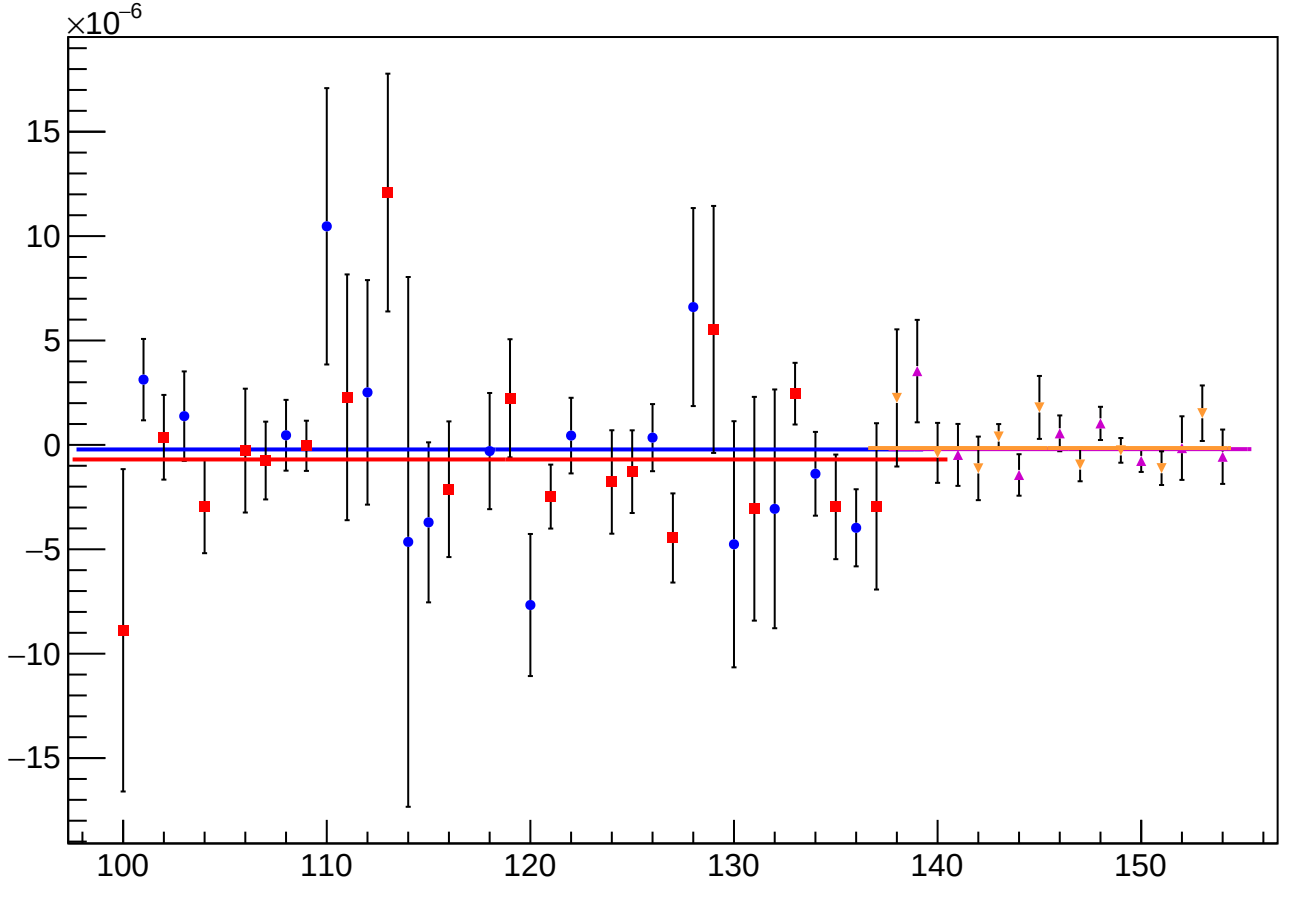
Left: 16.560+/-0.003 χ^2/NDF: 527306.5/16

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.957+/-0.004 χ^2/NDF:1193969.3/23

Out: 18.191+/-0.004 χ^2/NDF:1464578.1/27

All: 18.073+/-0.003 χ^2/NDF: 2660727.4/51



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:8.3/7

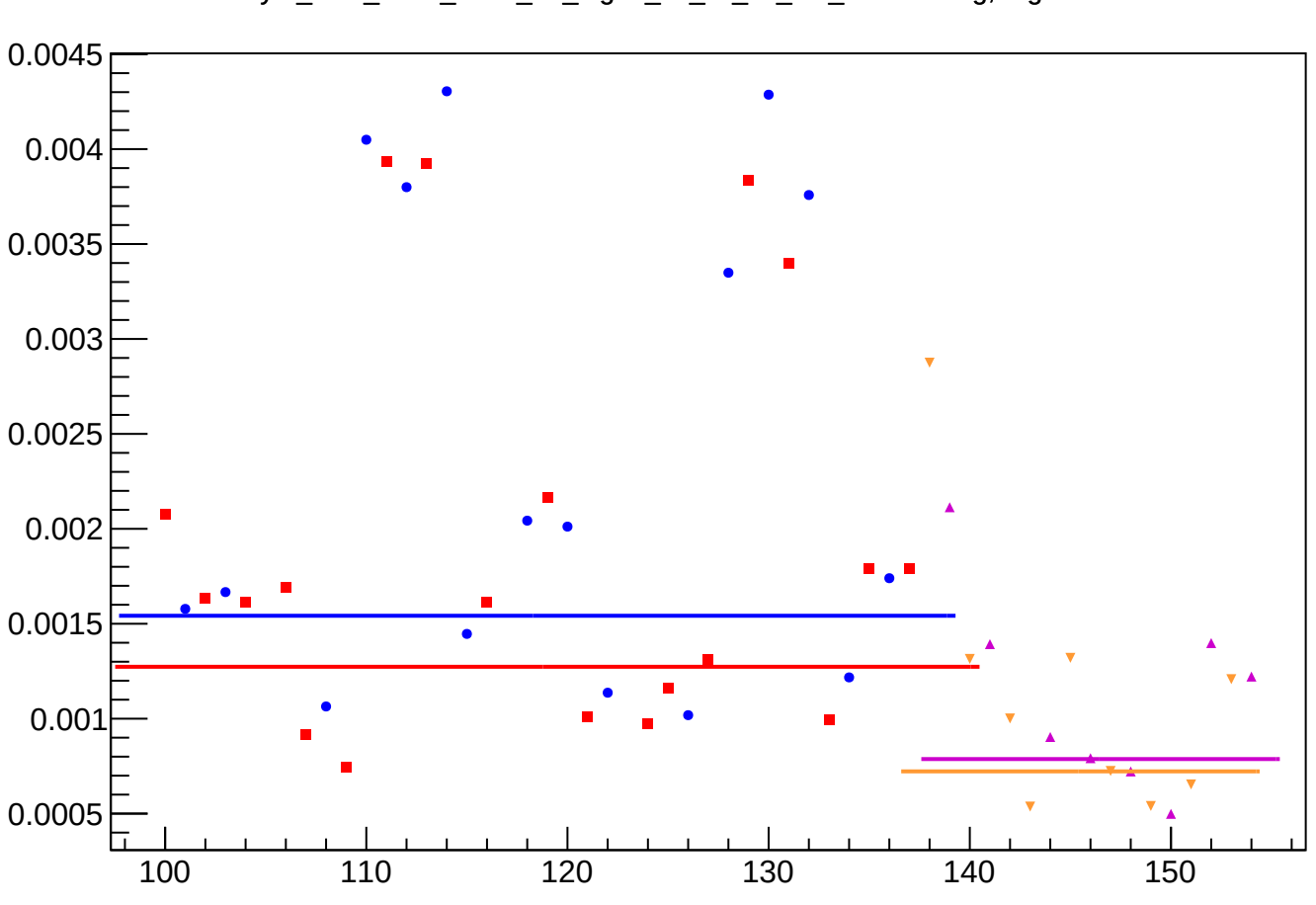
Left: -0.000+/-0.000 χ^2/NDF: 15.8/16

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:28.2/23

Out: -0.000+/-0.000 χ^2/NDF:29.3/27

All: -0.000+/-0.000 χ^2/NDF: 57.6/51



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:2101052.9/7

Left: 0.001+/-0.000 χ^2/NDF: 4387790.9/16

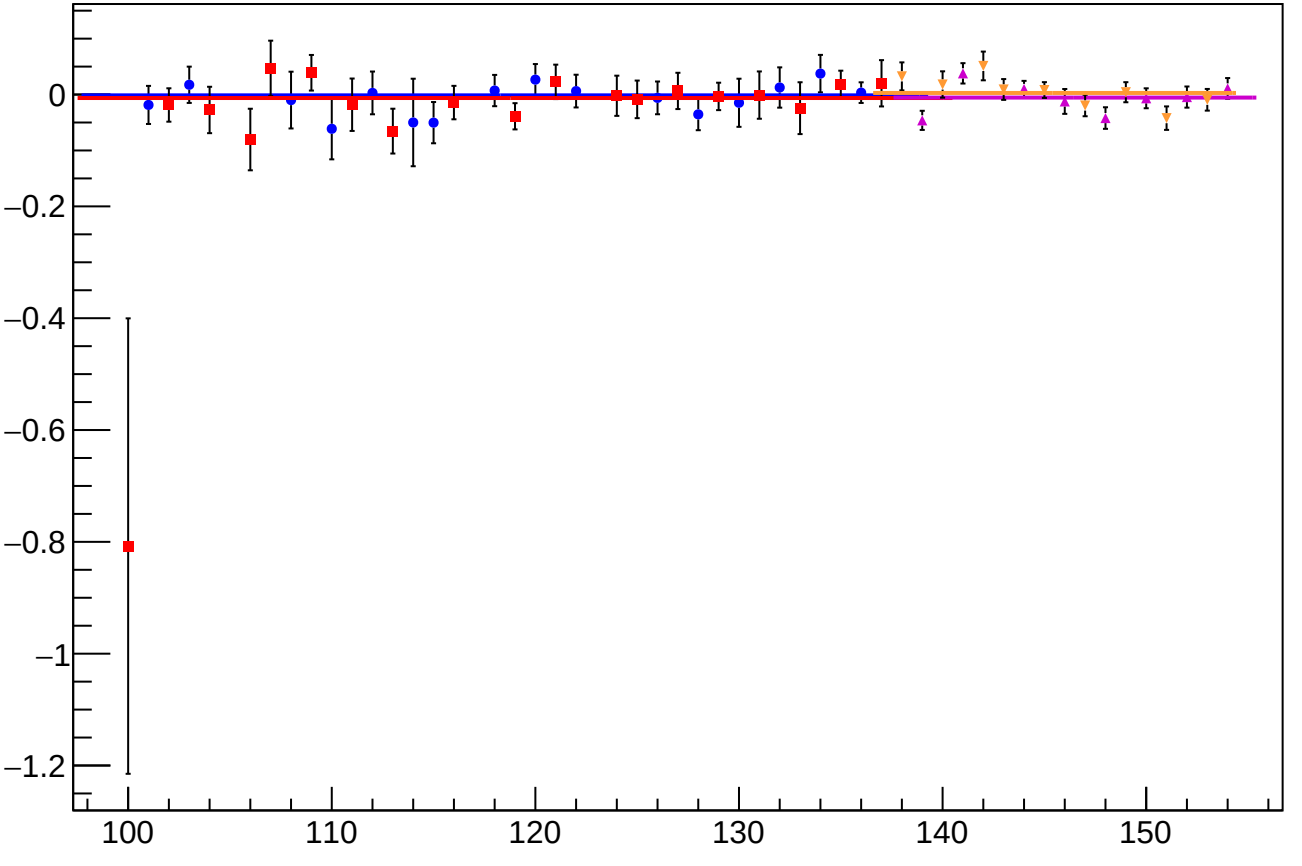
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:6766671.9/23

Out: 0.001+/-0.000 χ^2/NDF:6564165.0/27

All: 0.001+/-0.000 χ^2/NDF: 13430658.7/51

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: -0.005+/-0.006 χ^2/NDF:17.0/7

Left: -0.001+/-0.005 χ^2/NDF: 29.8/16

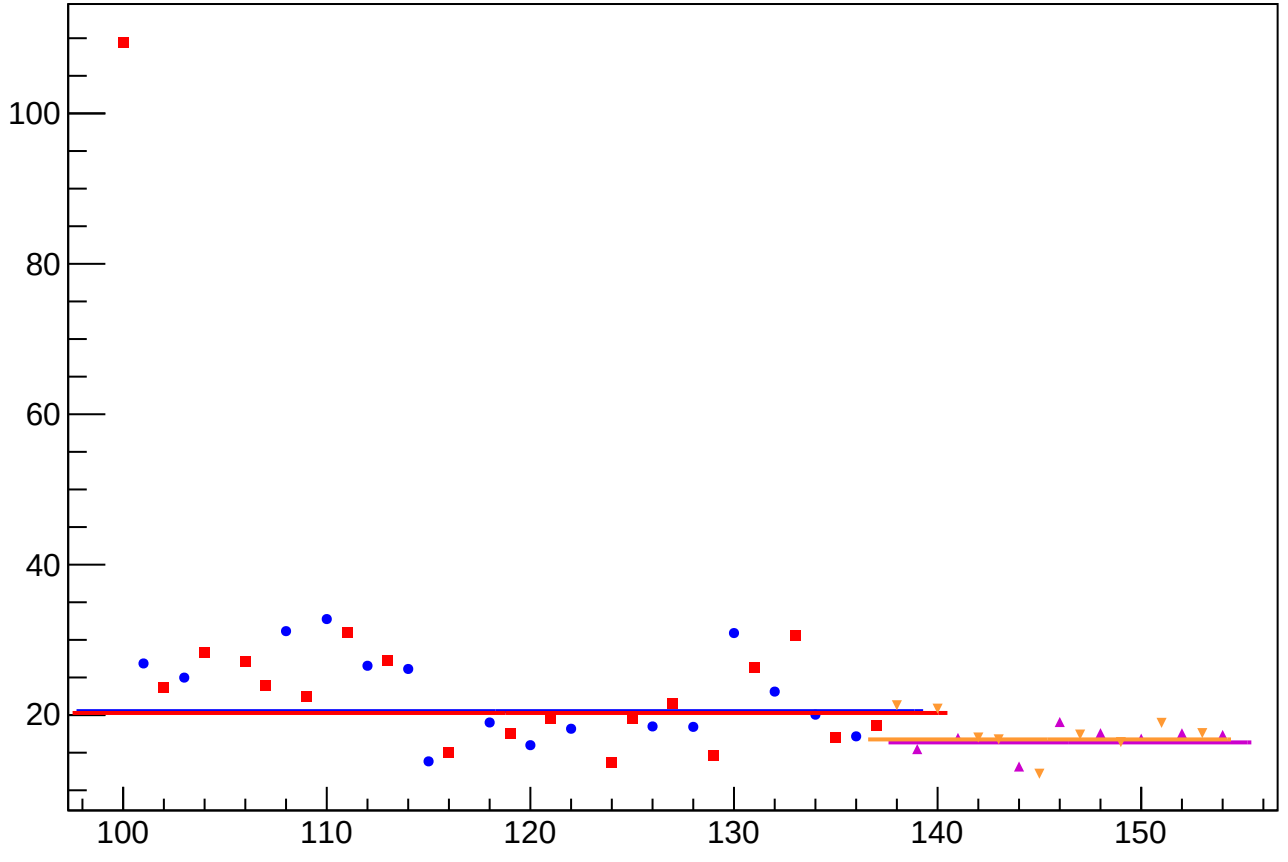
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.005 χ^2/NDF:25.4/23

Out: -0.001+/-0.005 χ^2/NDF:29.0/27

All: -0.002+/-0.004 χ^2/NDF: 54.6/51

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: 16.367+/-0.004 χ^2/NDF:159964.4/7

Left: 16.560+/-0.003 χ^2/NDF: 527257.2/16

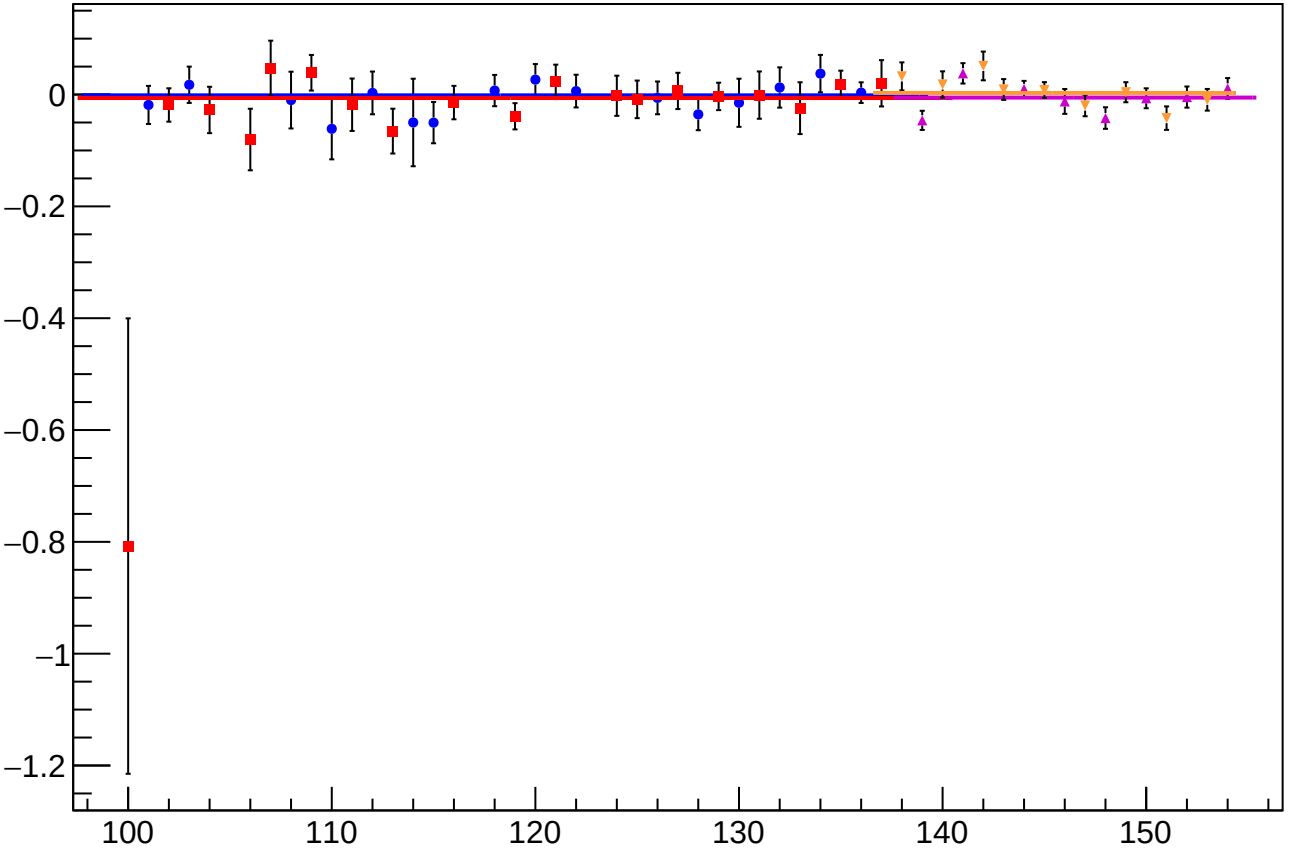
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.957+/-0.004 χ^2/NDF:1193772.5/23

Out: 18.191+/-0.004 χ^2/NDF:1464405.2/27

All: 18.073+/-0.003 χ^2/NDF: 2660358.2/51

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: -0.005+/-0.006 χ^2/NDF:17.0/7

Left: -0.001+/-0.005 χ^2/NDF: 29.8/16

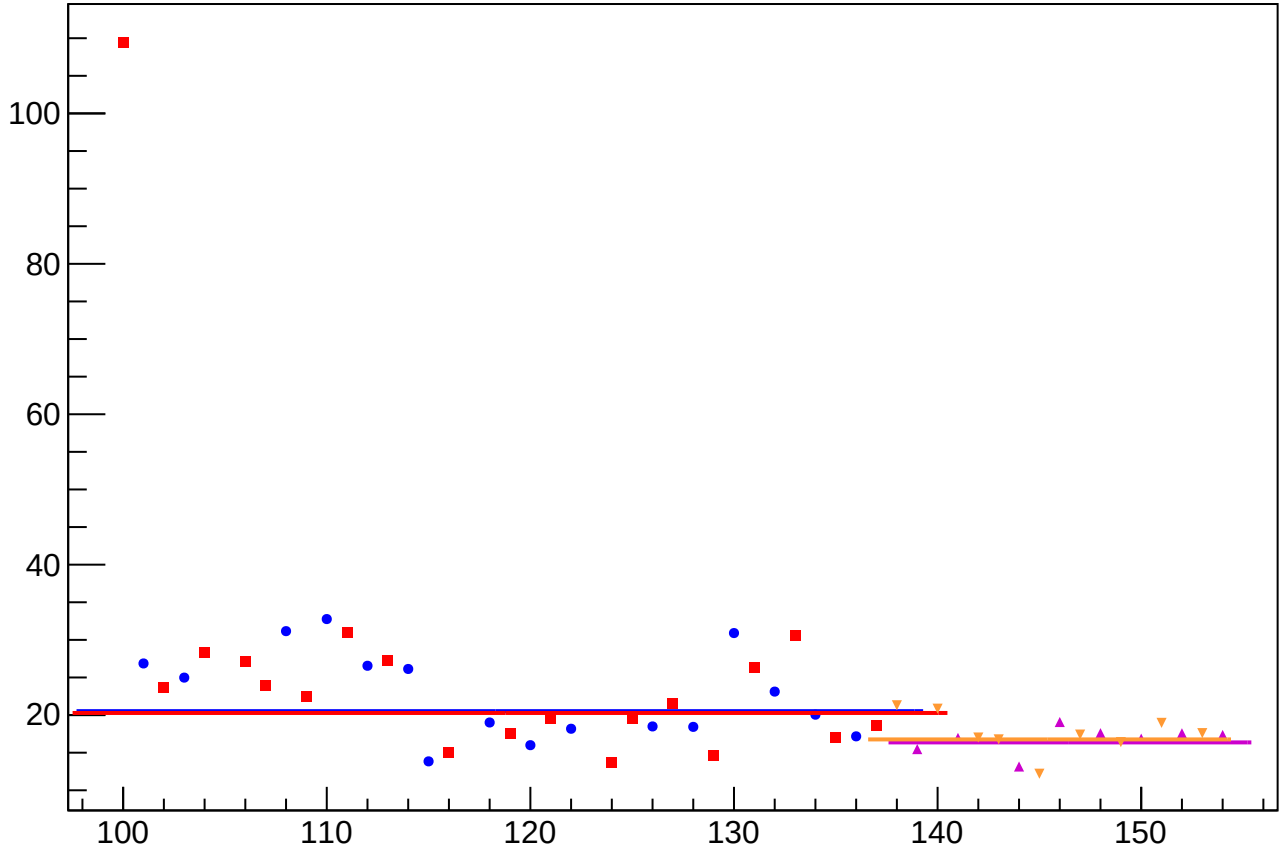
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.005 χ^2/NDF:25.4/23

Out: -0.001+/-0.005 χ^2/NDF:29.0/27

All: -0.002+/-0.004 χ^2/NDF: 54.6/51

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: 16.367+/-0.004 χ^2/NDF:159964.4/7

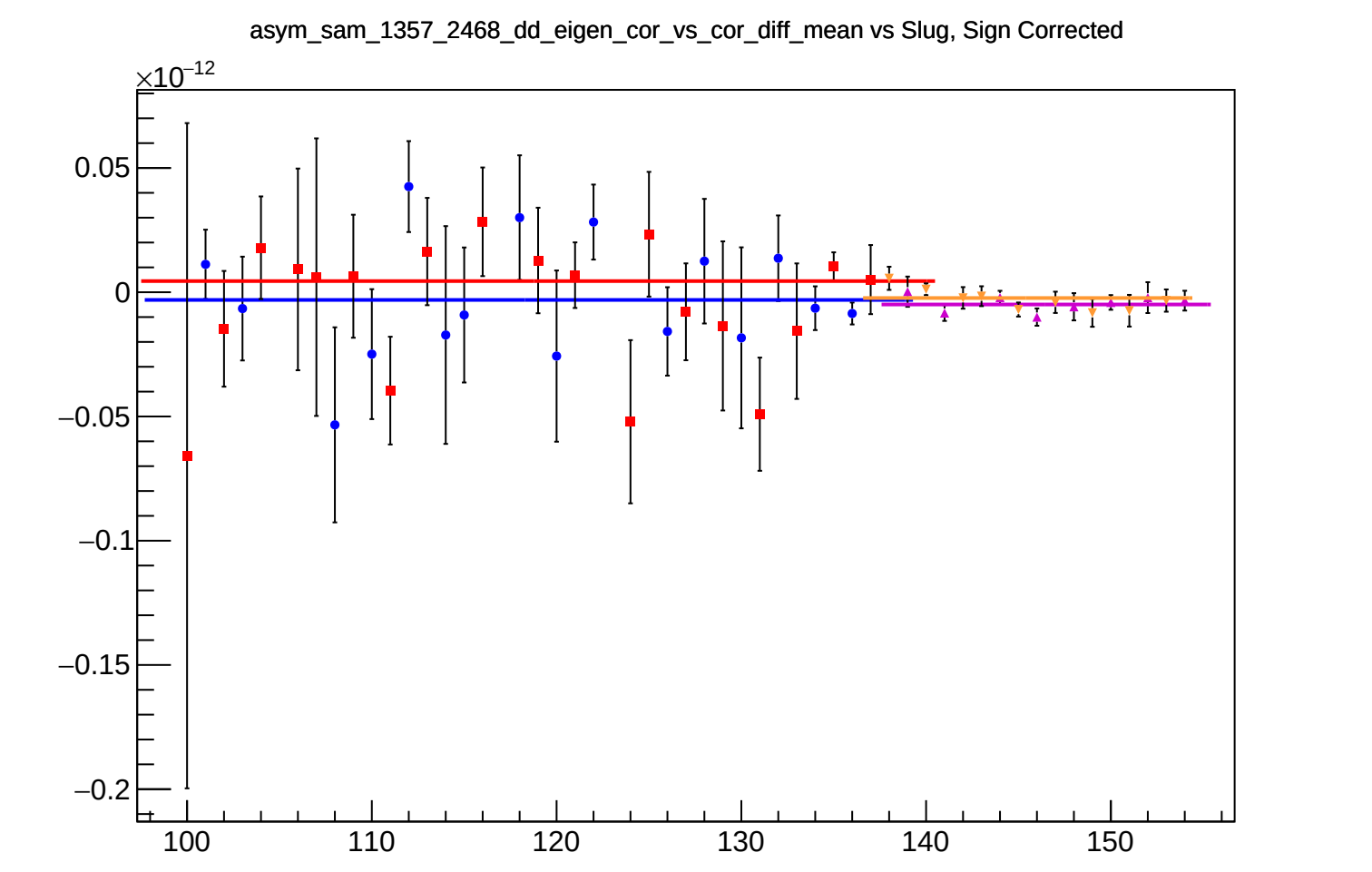
Left: 16.560+/-0.003 χ^2/NDF: 527257.2/16

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.957+/-0.004 χ^2/NDF:1193772.5/23

Out: 18.191+/-0.004 χ^2/NDF:1464405.2/27

All: 18.073+/-0.003 χ^2/NDF: 2660358.2/51



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:5.5/7

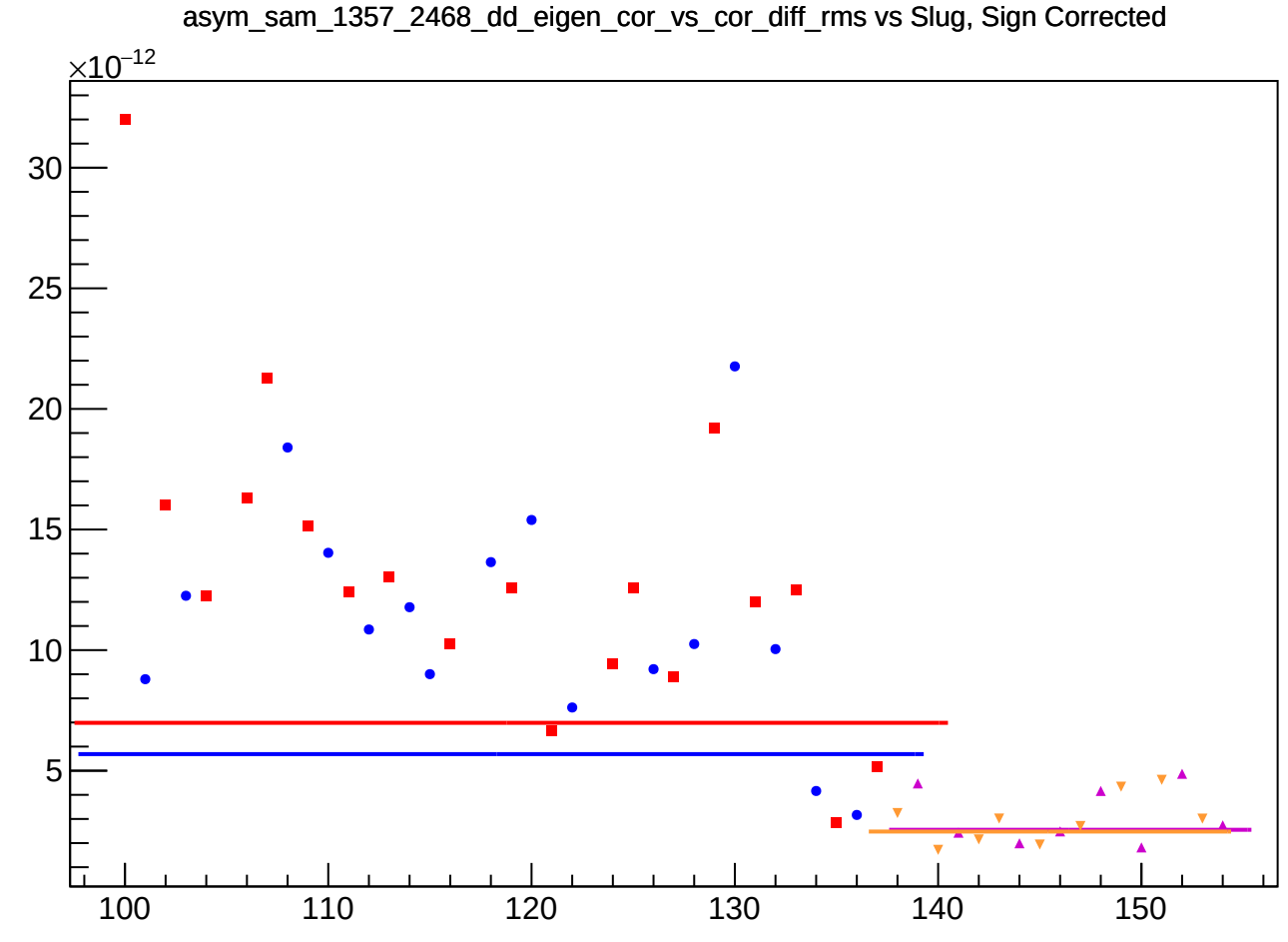
Left: -0.000+/-0.000 χ^2/NDF: 17.4/16

Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:25.8/23

Out: -0.000+/-0.000 χ^2/NDF:31.2/27

All: -0.000+/-0.000 χ^2/NDF: 60.1/51



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:868151.0/7

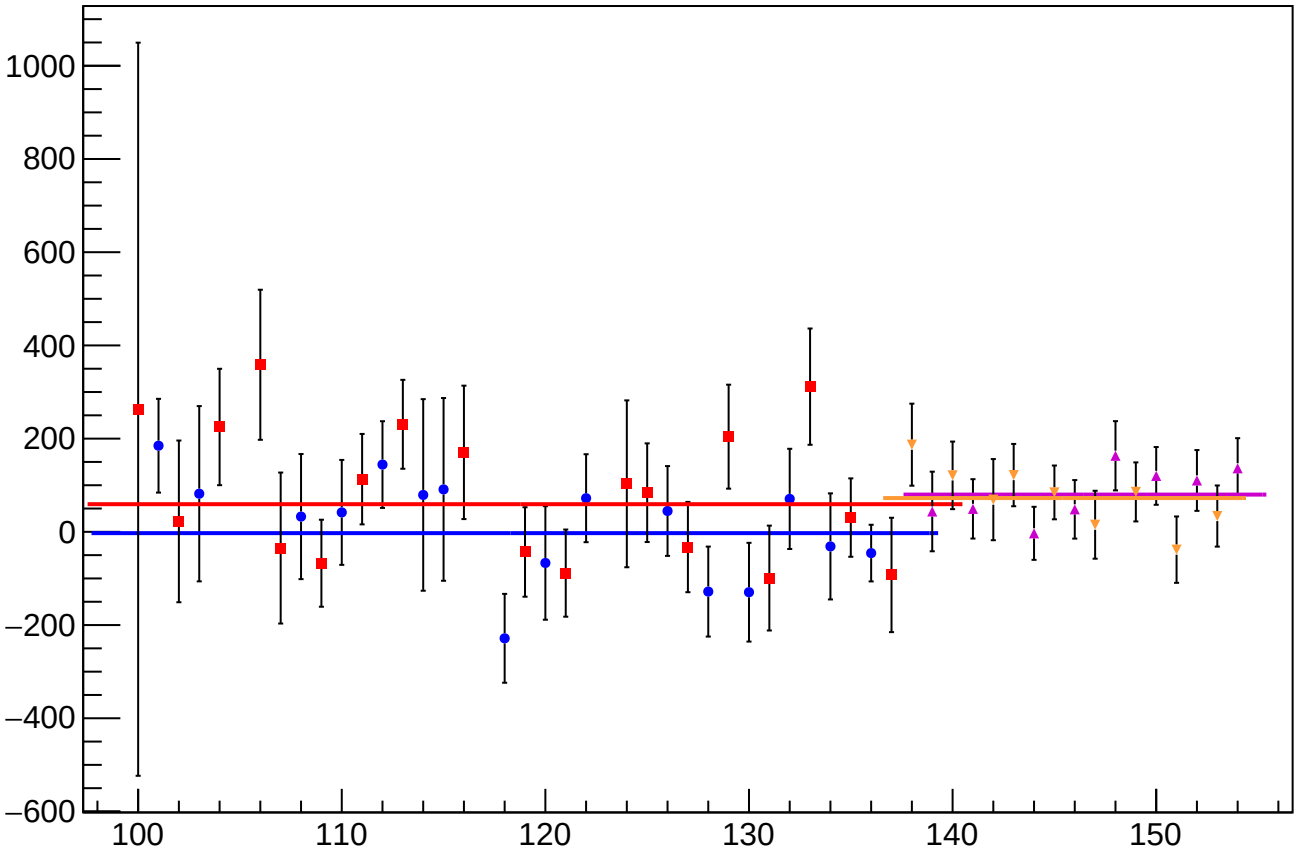
Left: 0.000+/-0.000 χ^2/NDF: 1729991.6/16

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:5172109.5/23

Out: 0.000+/-0.000 χ^2/NDF:6423848.7/27

All: 0.000+/-0.000 χ^2/NDF: 11599742.2/51



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: 79.930+/-23.172 χ^2/NDF:5.5/7

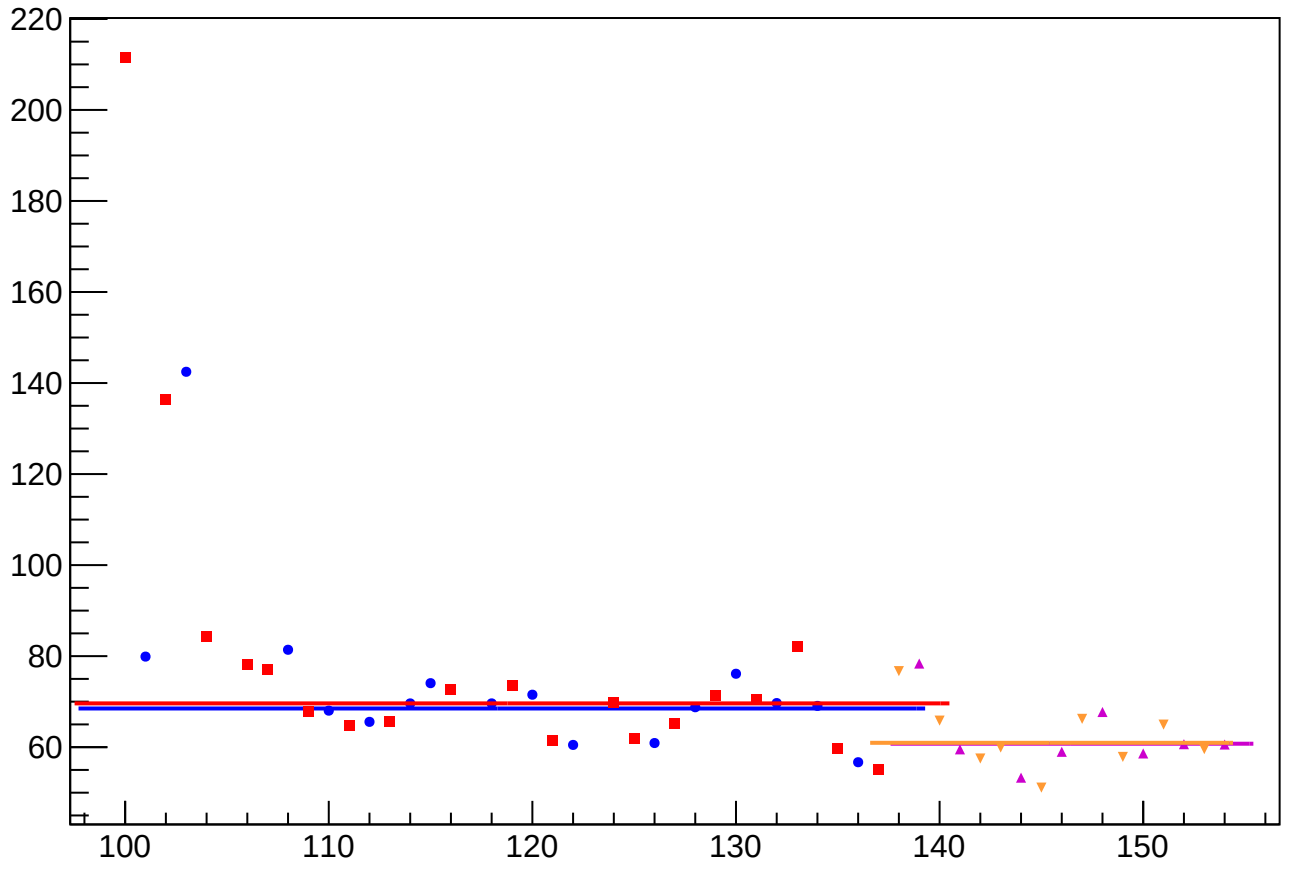
Left: 76.227+/-16.429 χ^2/NDF: 11.7/16

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 43.654+/-17.361 χ^2/NDF:28.7/23

Out: 66.730+/-17.463 χ^2/NDF:32.0/27

All: 55.125+/-12.312 χ^2/NDF: 61.6/51



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: 60.759+/-0.016 χ^2/NDF:141731.6/7

Left: 60.858+/-0.012 χ^2/NDF: 299137.6/16

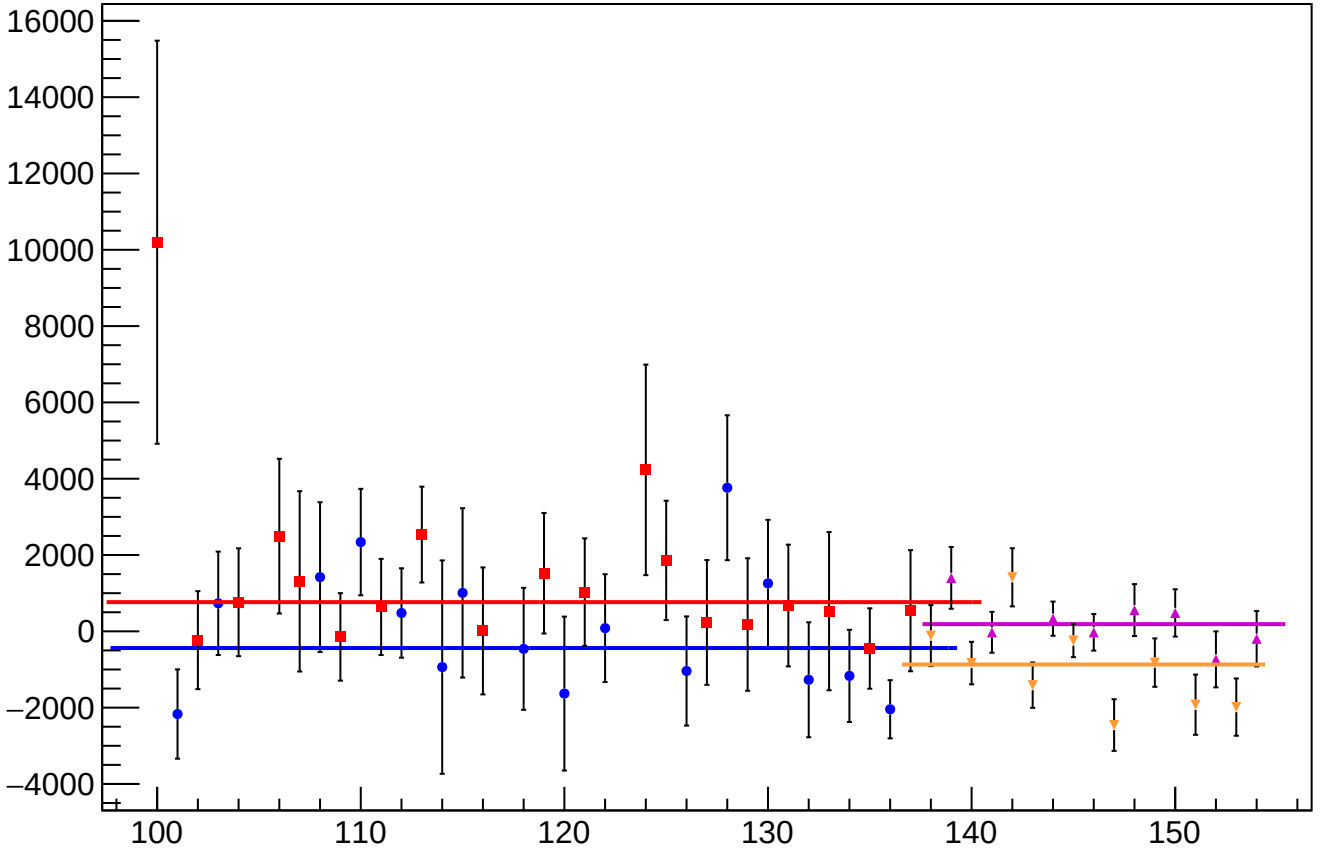
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 64.154+/-0.012 χ^2/NDF:711478.0/23

Out: 64.753+/-0.012 χ^2/NDF:798859.4/27

All: 64.452+/-0.009 χ^2/NDF: 1511521.6/51

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: 188.694+/-209.138 χ^2/NDF:5.1/7

Left: -337.609+/-148.250 χ^2/NDF: 40.1/16

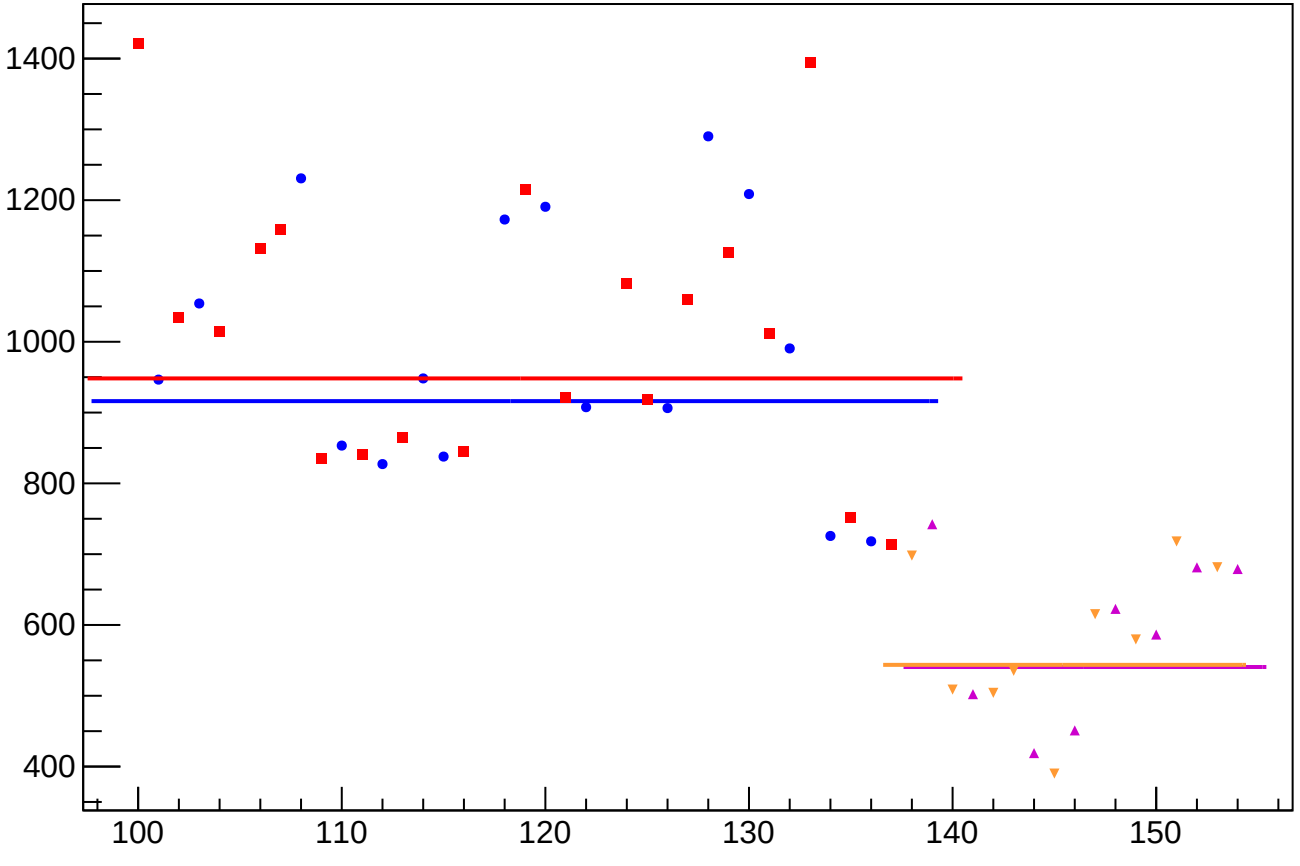
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 23.172+/-179.377 χ^2/NDF:28.0/23

Out: -441.466+/-180.599 χ^2/NDF:49.5/27

All: -207.570+/-127.269 χ^2/NDF: 80.8/51

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: 540.616+/-0.148 χ^2/NDF:538263.9/7

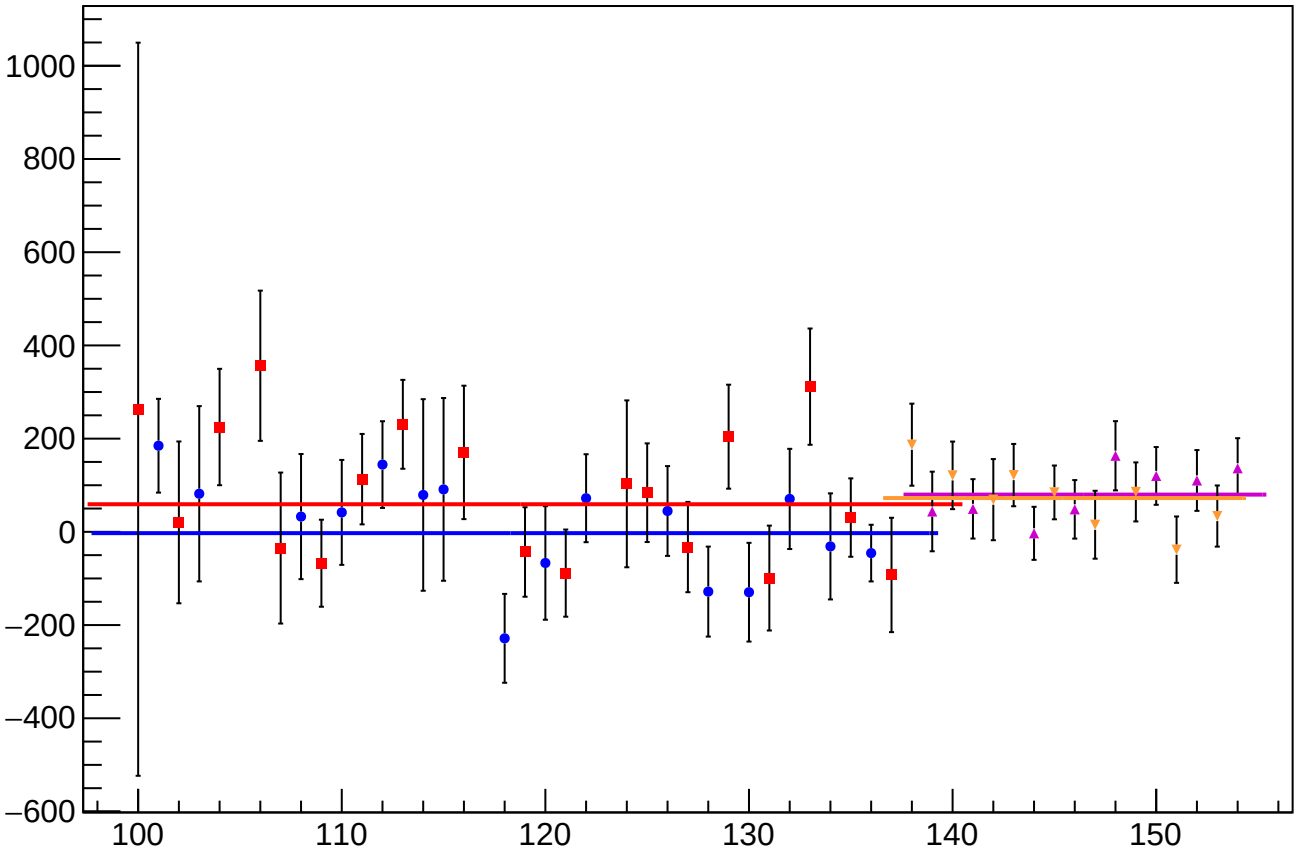
Left: 542.125+/-0.105 χ^2/NDF: 1068281.1/16

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 639.895+/-0.127 χ^2/NDF:2752271.8/23

Out: 649.517+/-0.128 χ^2/NDF:2884207.5/27

All: 644.673+/-0.090 χ^2/NDF: 5639337.3/51



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: 79.929+/-23.172 χ^2/NDF:5.5/7

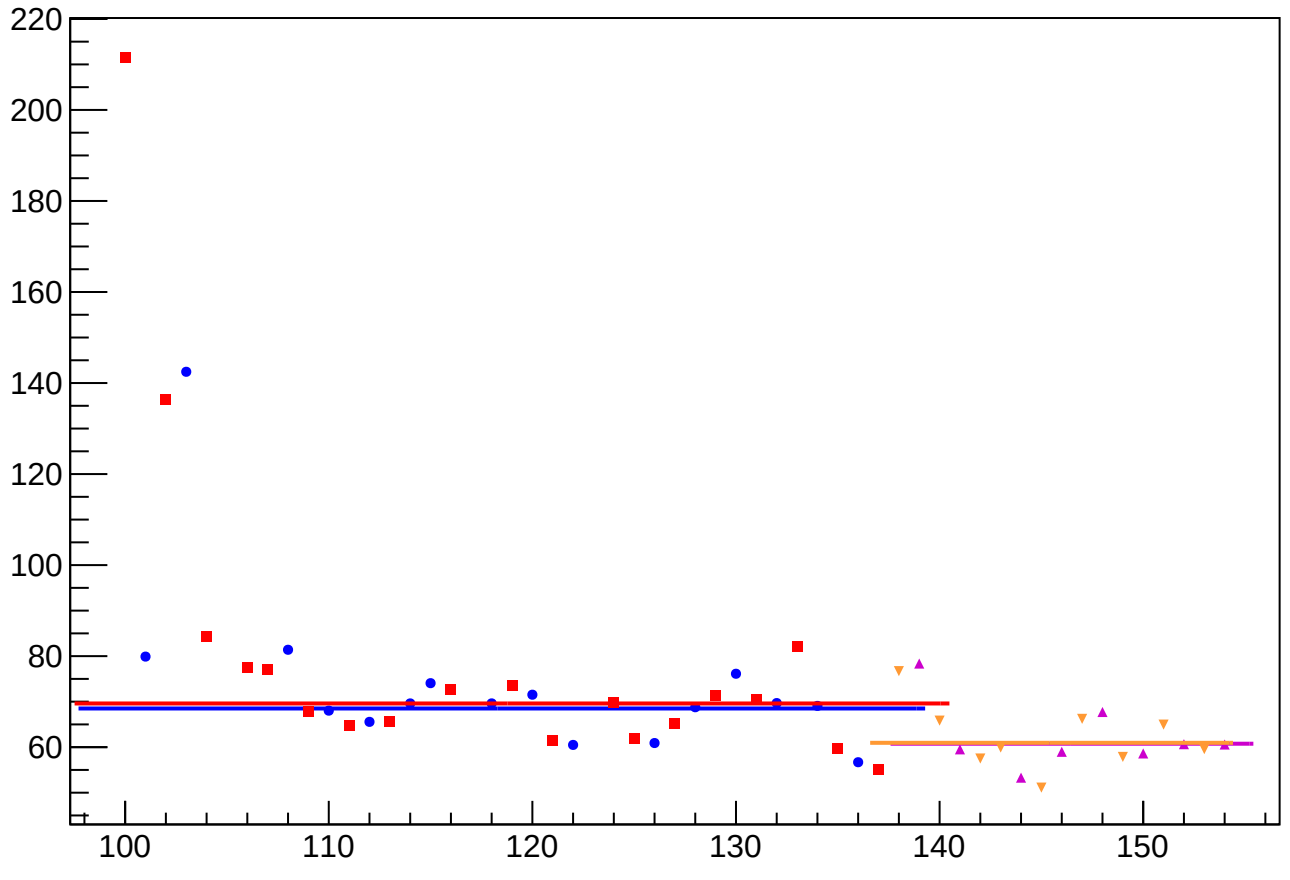
Left: 76.230+/-16.429 χ^2/NDF: 11.7/16

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.651+/-17.361 χ^2/NDF:28.7/23

Out: 66.681+/-17.463 χ^2/NDF:32.0/27

All: 55.098+/-12.312 χ^2/NDF: 61.6/51



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: 60.759+/-0.016 χ^2/NDF:141731.6/7

Left: 60.858+/-0.012 χ^2/NDF: 299137.6/16

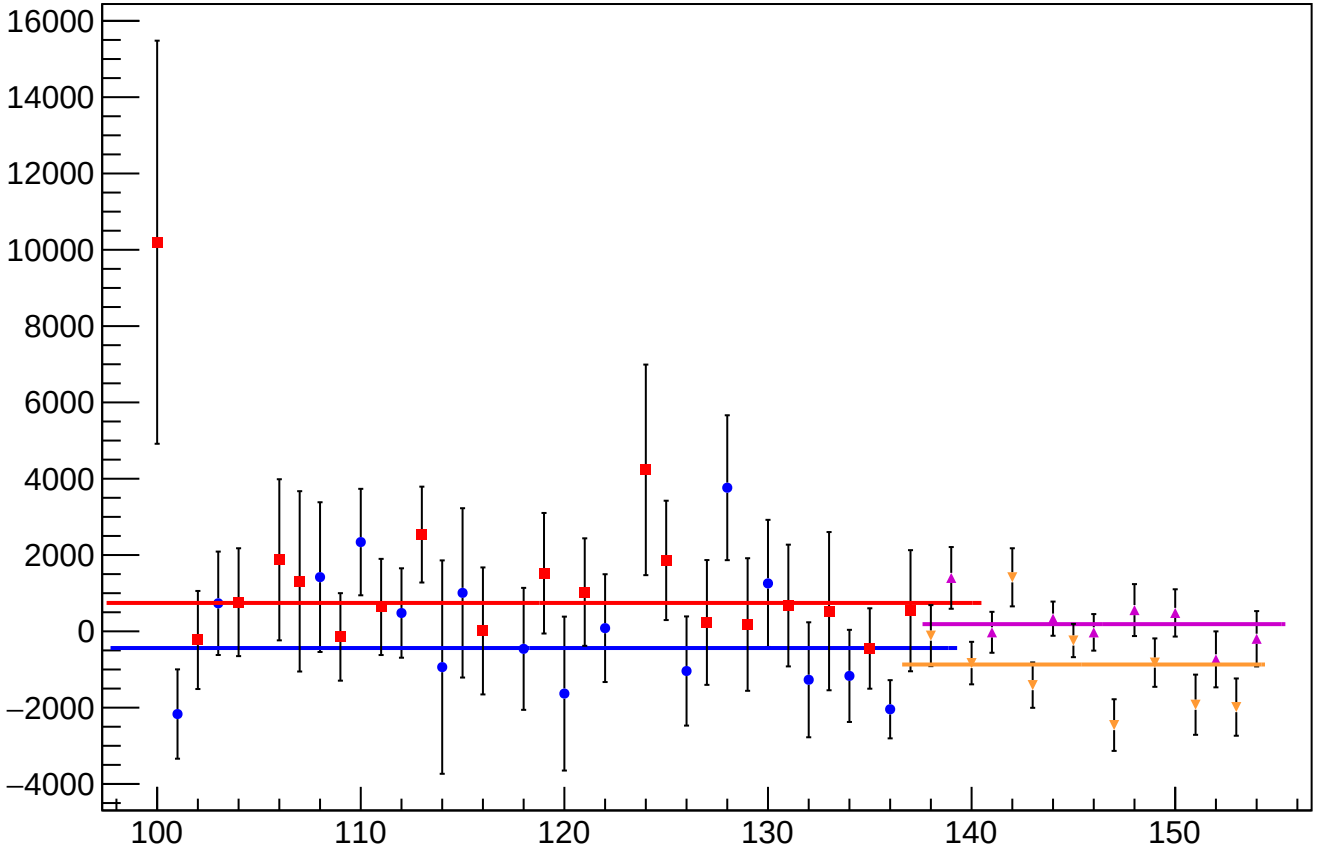
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.154+/-0.012 χ^2/NDF:711481.0/23

Out: 64.744+/-0.012 χ^2/NDF:797701.0/27

All: 64.447+/-0.009 χ^2/NDF: 1510332.3/51

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: 188.697+/-209.138 χ^2/NDF:5.1/7

Left: -337.604+/-148.250 χ^2/NDF: 40.1/16

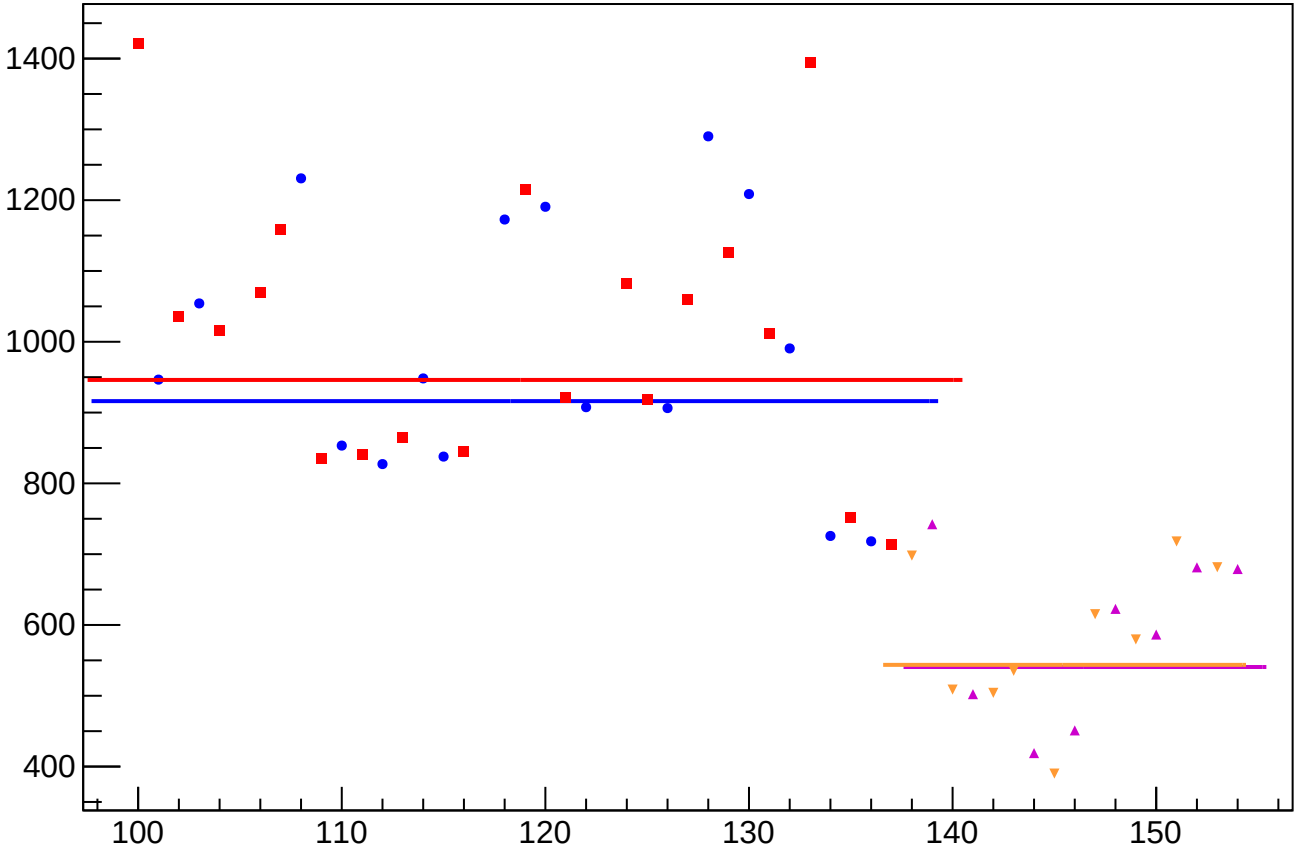
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 23.184+/-179.378 χ^2/NDF:28.0/23

Out: -447.713+/-180.657 χ^2/NDF:48.6/27

All: -210.591+/-127.289 χ^2/NDF: 80.0/51

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: 540.616+/-0.148 χ^2/NDF:538262.7/7

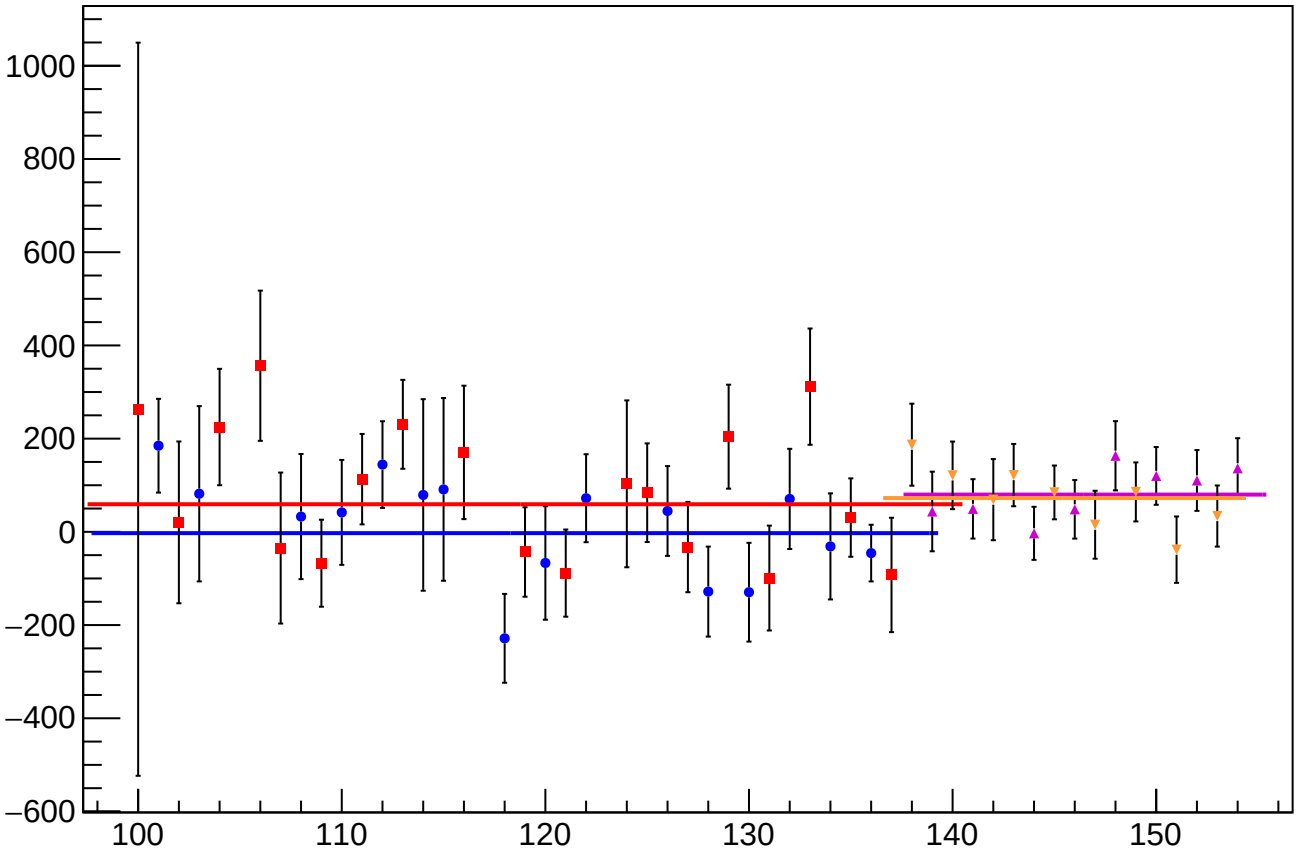
Left: 542.125+/-0.105 χ^2/NDF: 1068282.8/16

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 639.895+/-0.127 χ^2/NDF:2752312.7/23

Out: 648.764+/-0.128 χ^2/NDF:2850452.2/27

All: 644.298+/-0.090 χ^2/NDF: 5605192.3/51



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: 79.929+/-23.172 χ^2/NDF:5.5/7

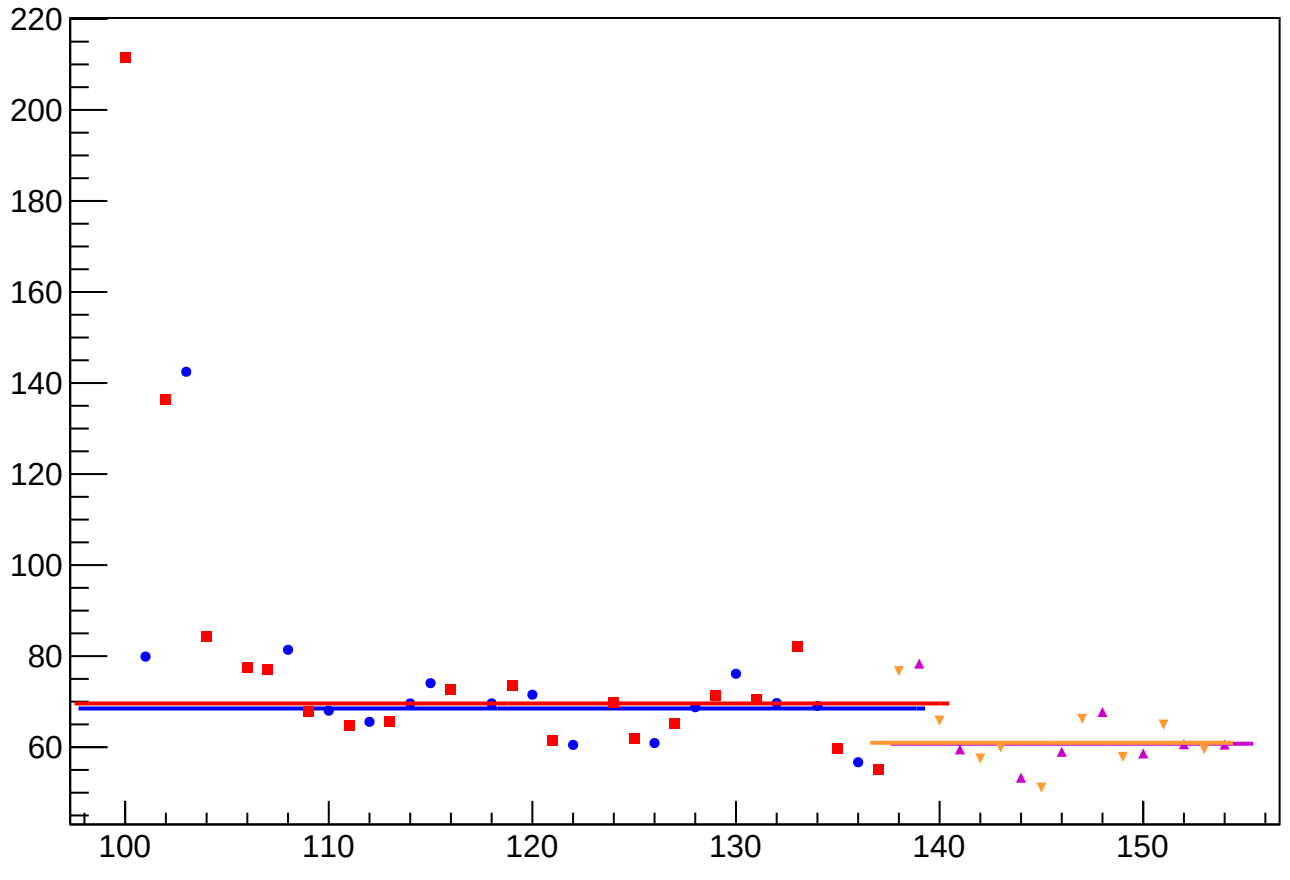
Left: 76.230+/-16.429 χ^2/NDF: 11.7/16

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.651+/-17.361 χ^2/NDF:28.7/23

Out: 66.681+/-17.463 χ^2/NDF:32.0/27

All: 55.098+/-12.312 χ^2/NDF: 61.6/51



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: 60.759+/-0.016 χ^2/NDF:141731.6/7

Left: 60.858+/-0.012 χ^2/NDF: 299137.6/16

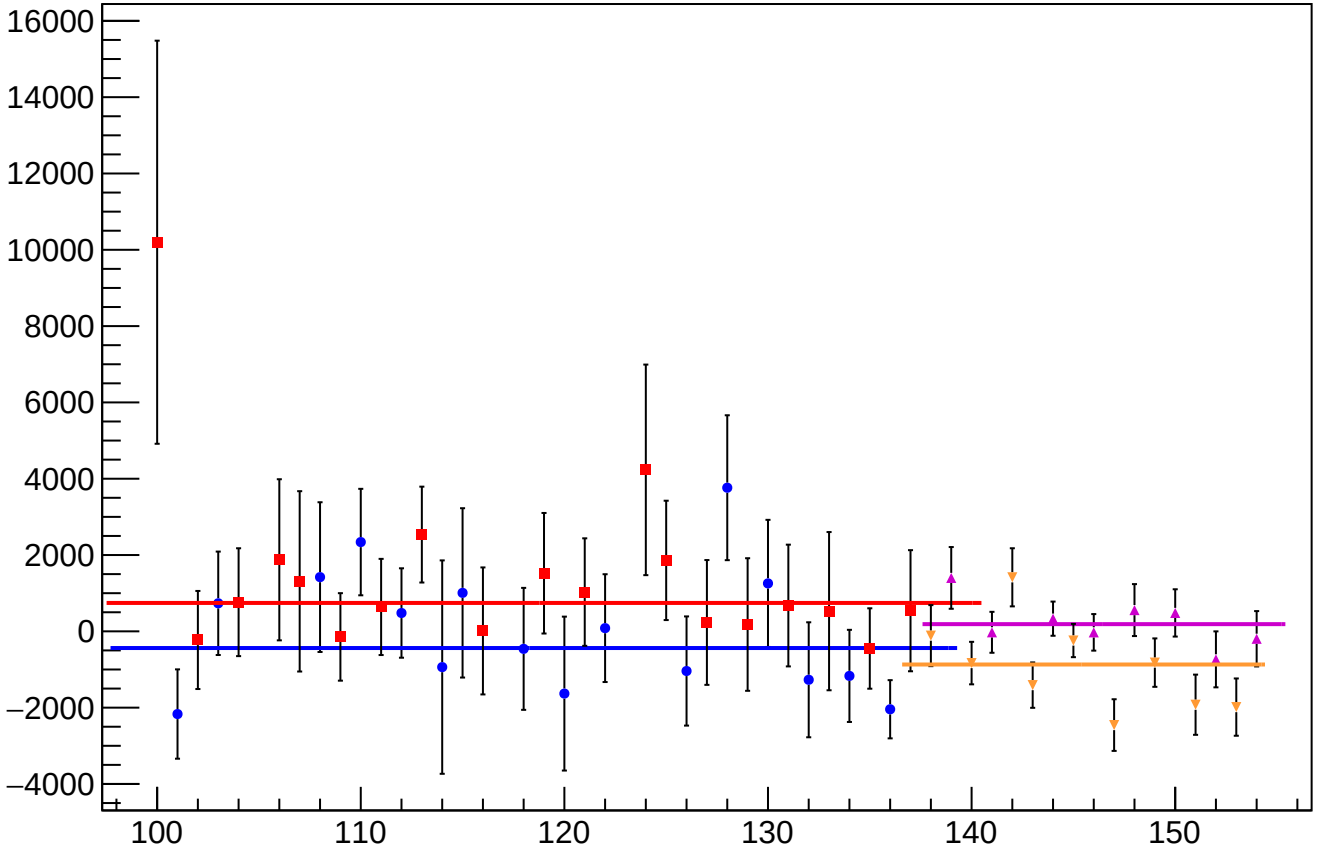
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.154+/-0.012 χ^2/NDF:711481.0/23

Out: 64.744+/-0.012 χ^2/NDF:797701.0/27

All: 64.447+/-0.009 χ^2/NDF: 1510332.3/51

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: 188.697+/-209.138 χ^2/NDF:5.1/7

Left: -337.604+/-148.250 χ^2/NDF: 40.1/16

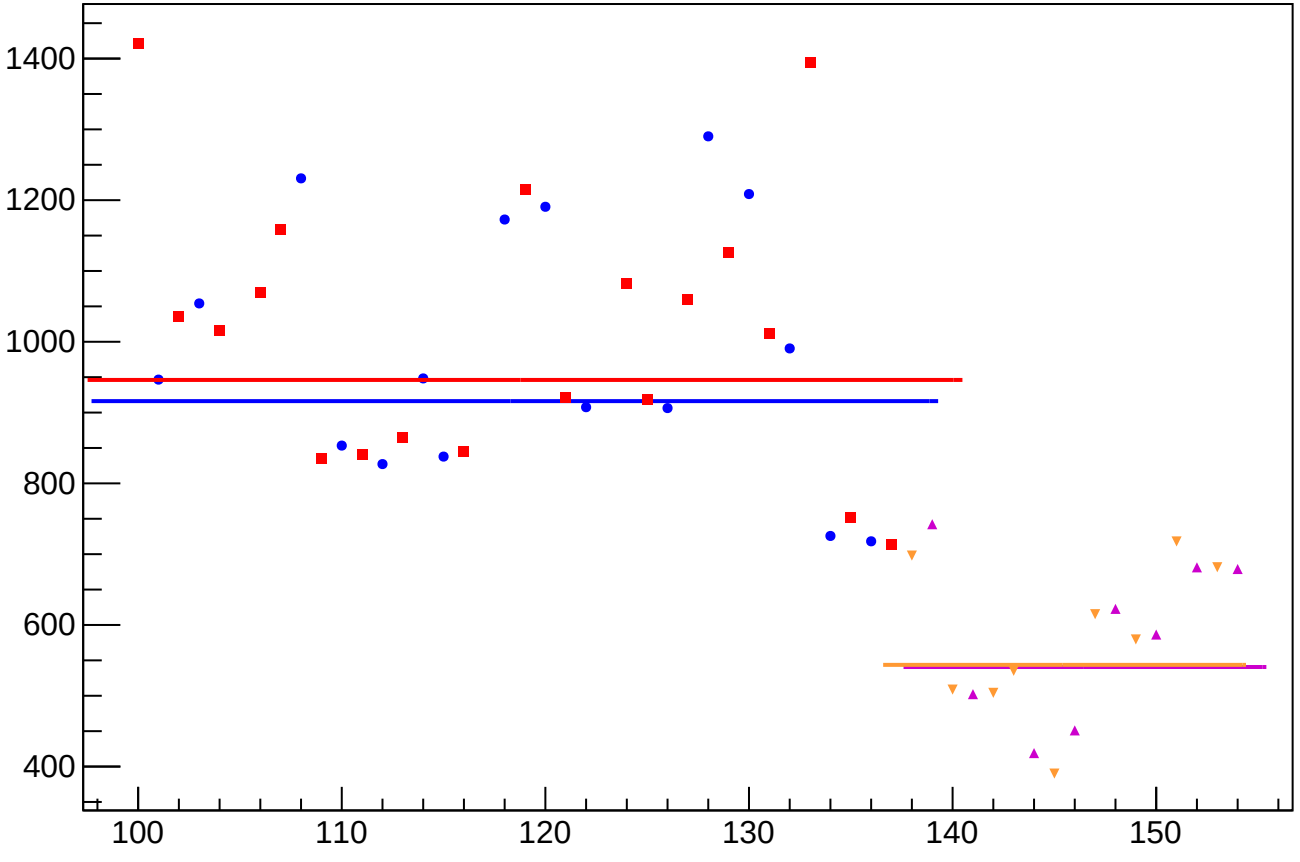
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 23.184+/-179.378 χ^2/NDF:28.0/23

Out: -447.713+/-180.657 χ^2/NDF:48.6/27

All: -210.591+/-127.289 χ^2/NDF: 80.0/51

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: 540.616+/-0.148 χ^2/NDF:538262.7/7

Left: 542.125+/-0.105 χ^2/NDF: 1068282.8/16

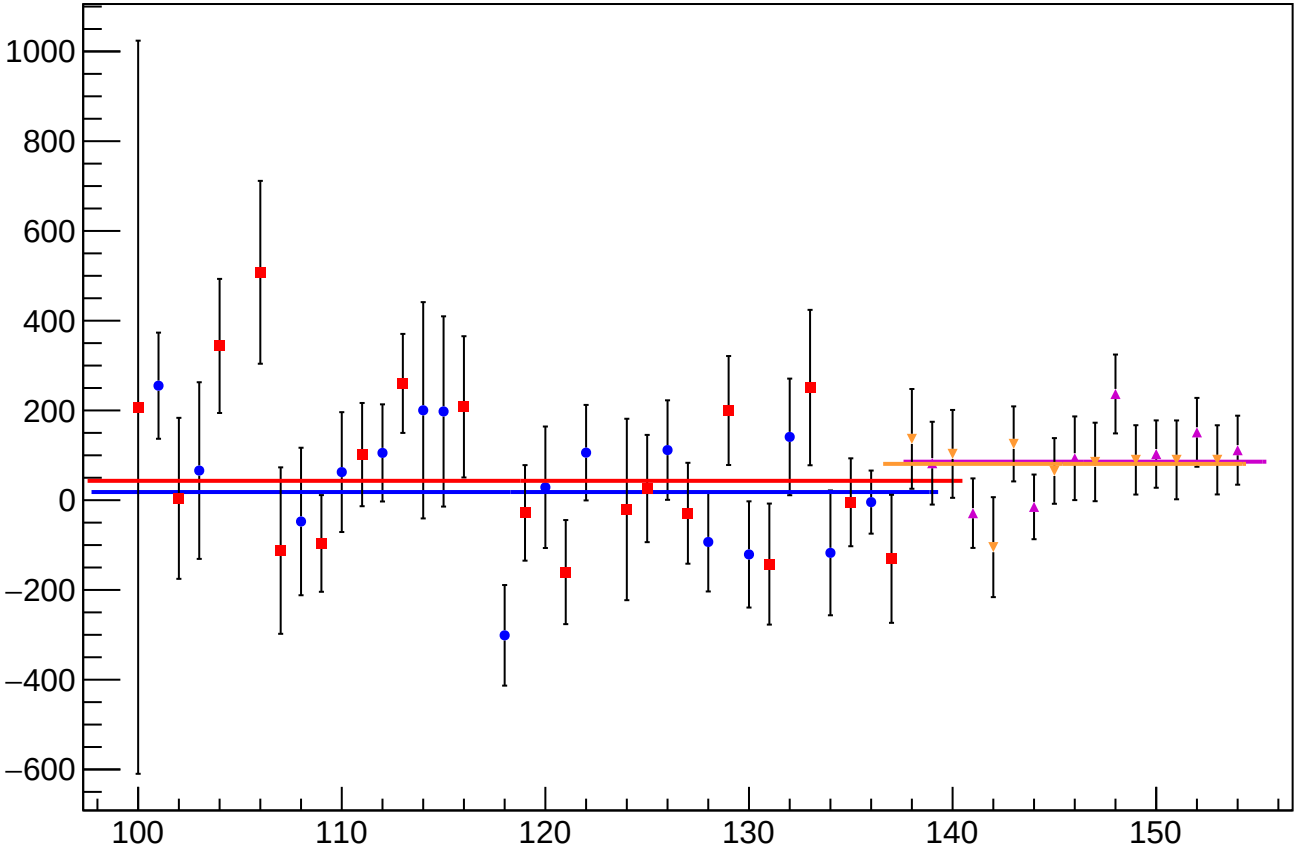
Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 639.895+/-0.127 χ^2/NDF:2752312.7/23

Out: 648.764+/-0.128 χ^2/NDF:2850452.2/27

All: 644.298+/-0.090 χ^2/NDF: 5605192.3/51

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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: 85.786+/-28.423 χ^2/NDF:8.0/7

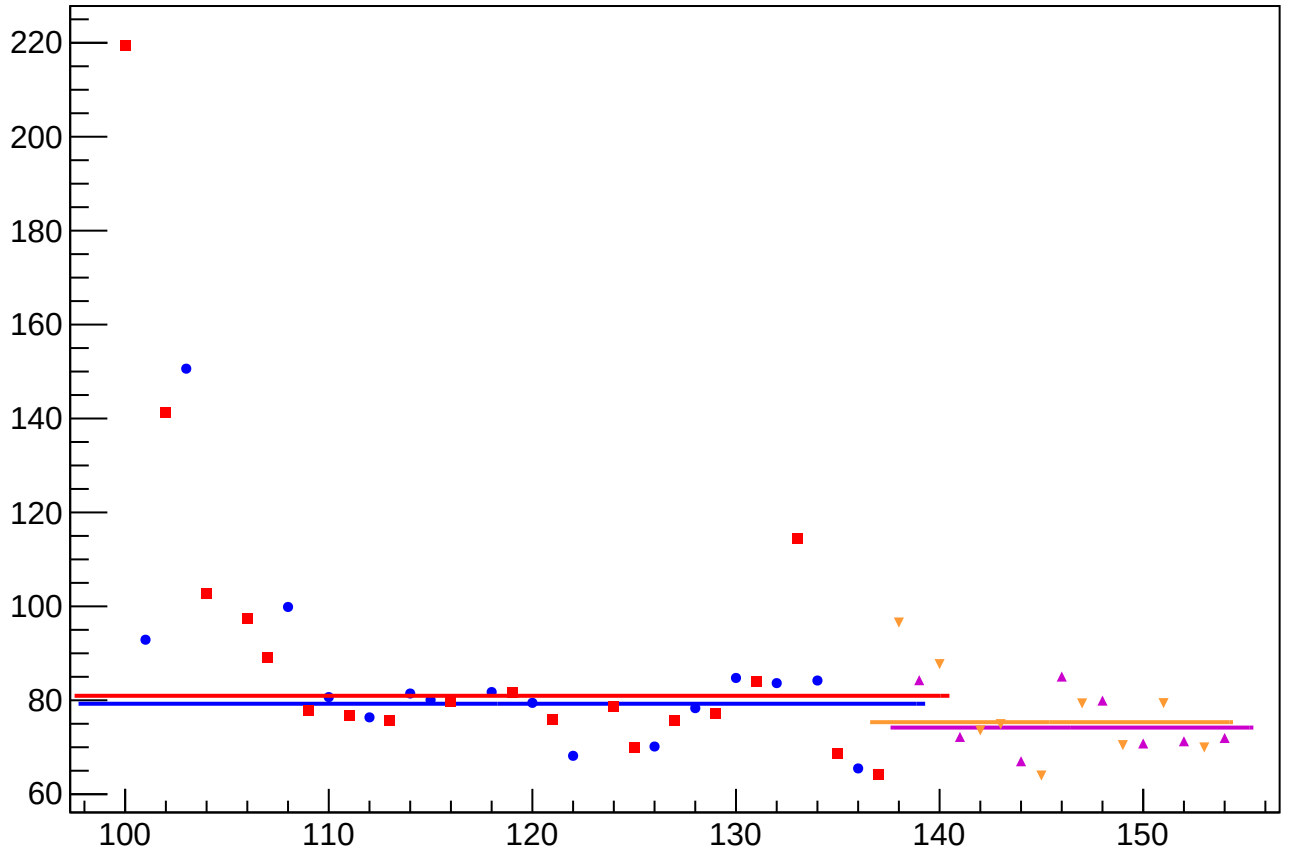
Left: 83.410+/-20.288 χ^2/NDF: 11.5/16

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 54.191+/-20.745 χ^2/NDF:30.8/23

Out: 63.145+/-21.071 χ^2/NDF:32.0/27

All: 58.598+/-14.783 χ^2/NDF: 62.8/51



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: 74.189+/-0.020 χ^2/NDF:89330.0/7

Left: 74.753+/-0.014 χ^2/NDF: 270611.7/16

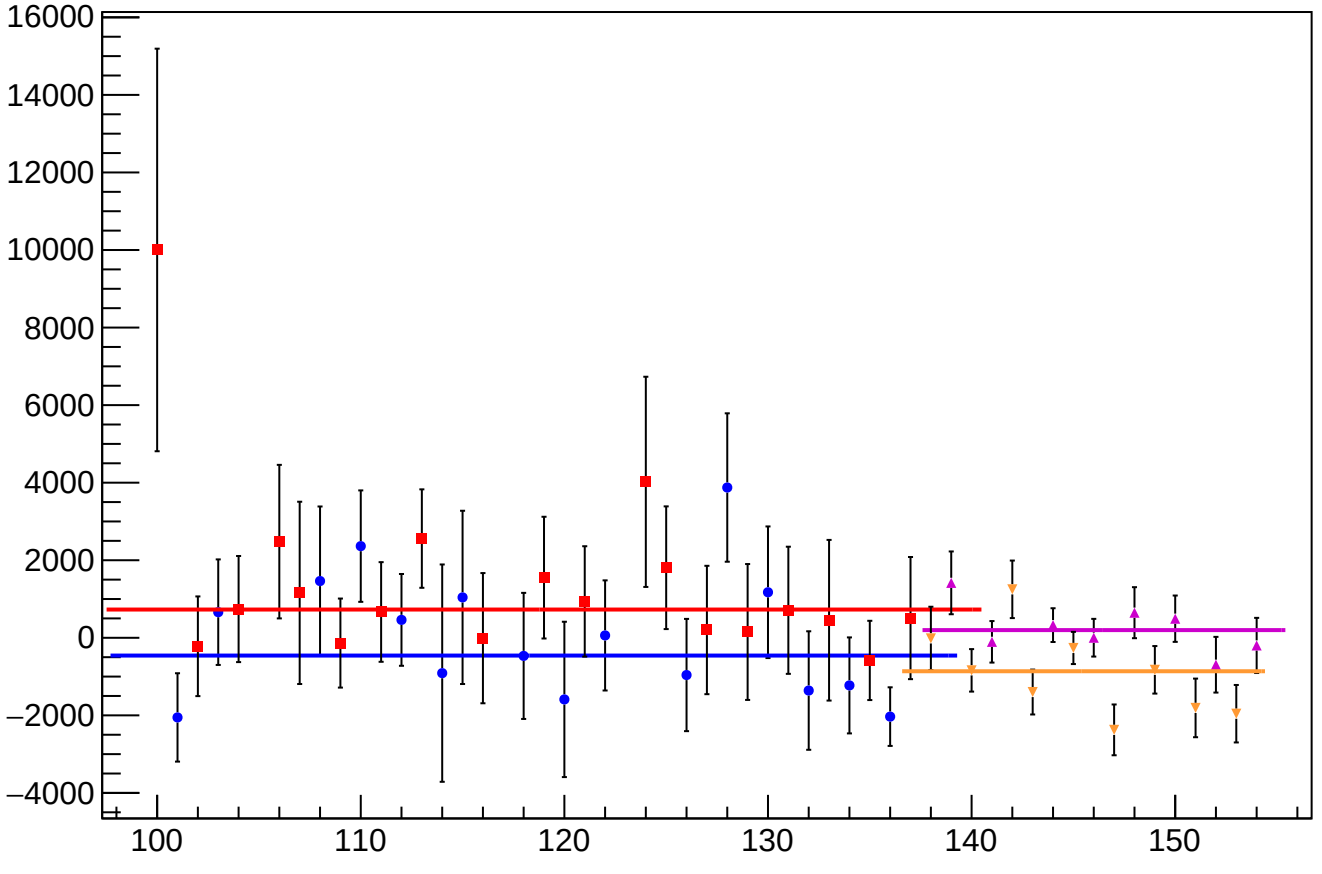
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 76.560+/-0.015 χ^2/NDF:564070.8/23

Out: 77.985+/-0.015 χ^2/NDF:729283.4/27

All: 77.262+/-0.010 χ^2/NDF: 1298001.8/51

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: 198.456+/-206.067 χ^2/NDF:5.4/7

Left: -337.177+/-145.007 χ^2/NDF: 40.0/16

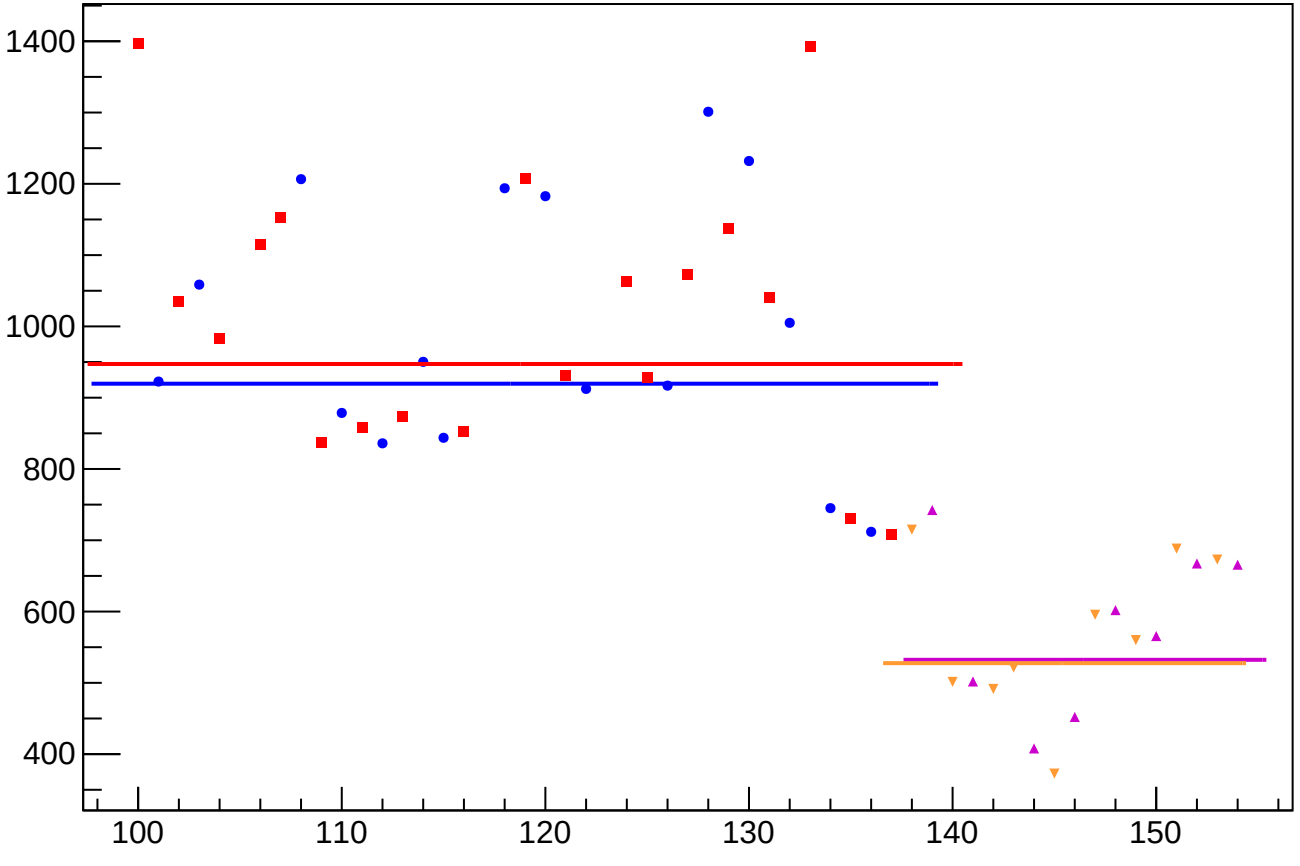
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 29.503+/-177.585 χ^2/NDF:28.3/23

Out: -463.192+/-176.631 χ^2/NDF:48.0/27

All: -218.172+/-125.233 χ^2/NDF: 80.2/51

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: 532.318+/-0.146 χ^2/NDF:528494.2/7

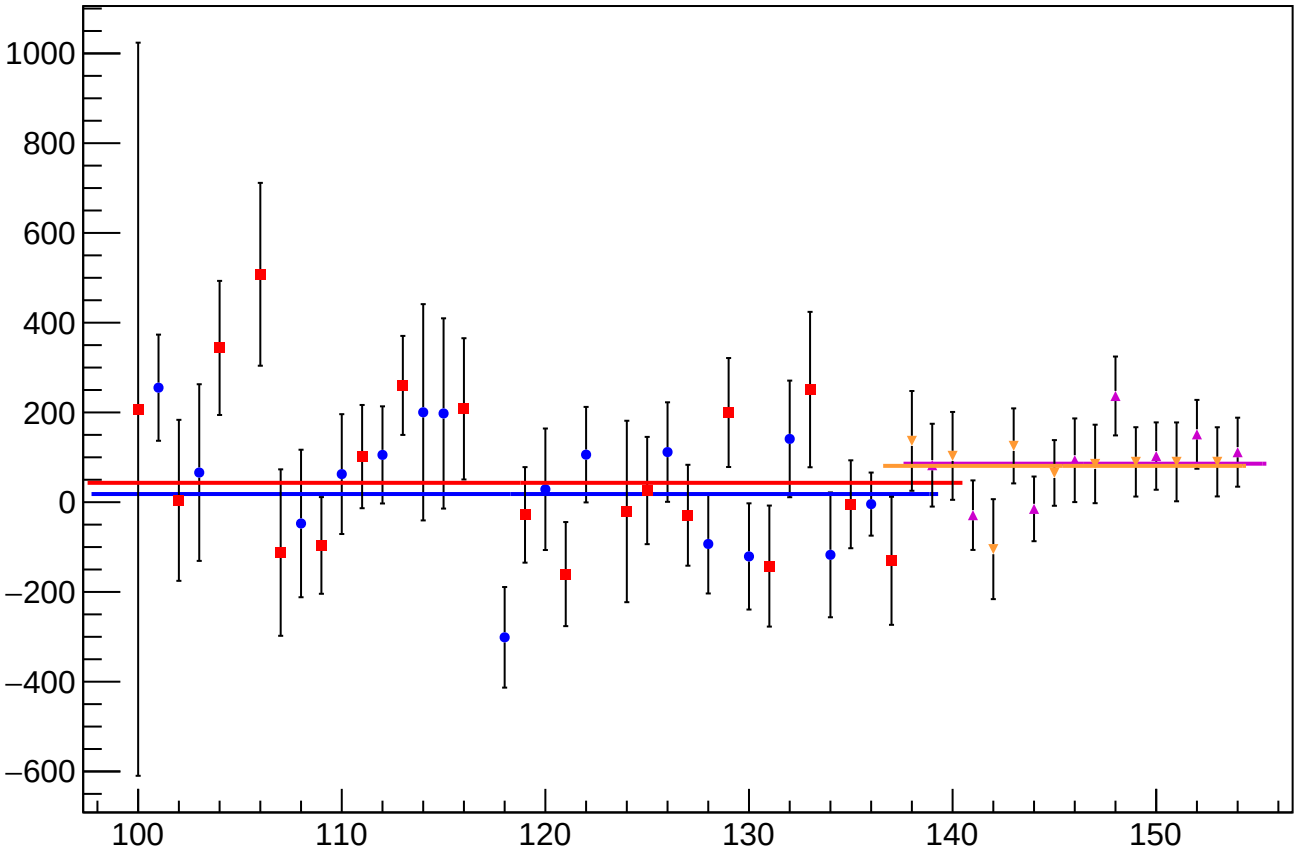
Left: 529.945+/-0.103 χ^2/NDF: 1116985.8/16

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 631.987+/-0.126 χ^2/NDF:2862154.7/23

Out: 632.941+/-0.125 χ^2/NDF:3135839.3/27

All: 632.466+/-0.089 χ^2/NDF: 5998023.1/51



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: 85.786+/-28.423 χ^2/NDF:8.0/7

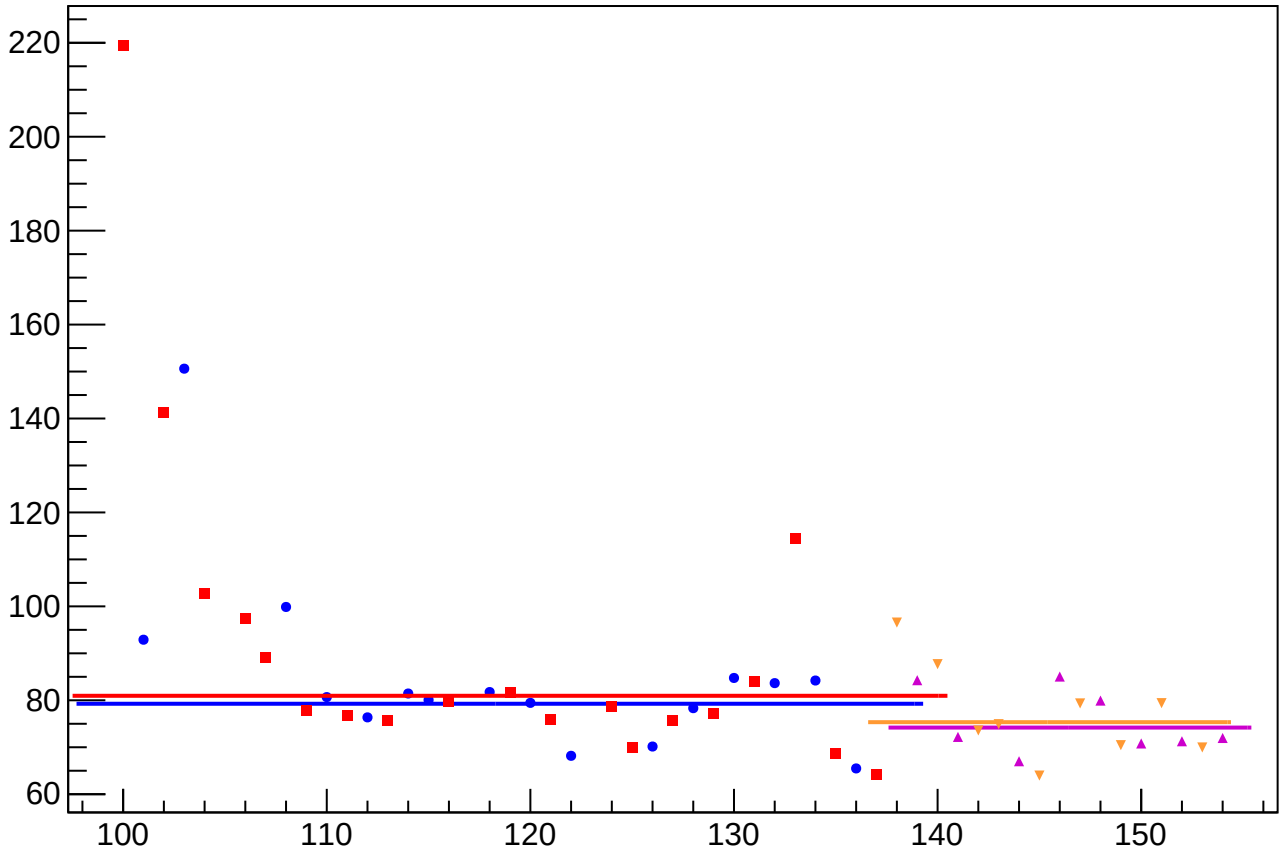
Left: 83.410+/-20.288 χ^2/NDF: 11.5/16

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 54.191+/-20.745 χ^2/NDF:30.8/23

Out: 63.144+/-21.071 χ^2/NDF:32.0/27

All: 58.597+/-14.783 χ^2/NDF: 62.8/51



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: 74.189+/-0.020 χ^2/NDF:89328.0/7

Left: 74.754+/-0.014 χ^2/NDF: 270602.3/16

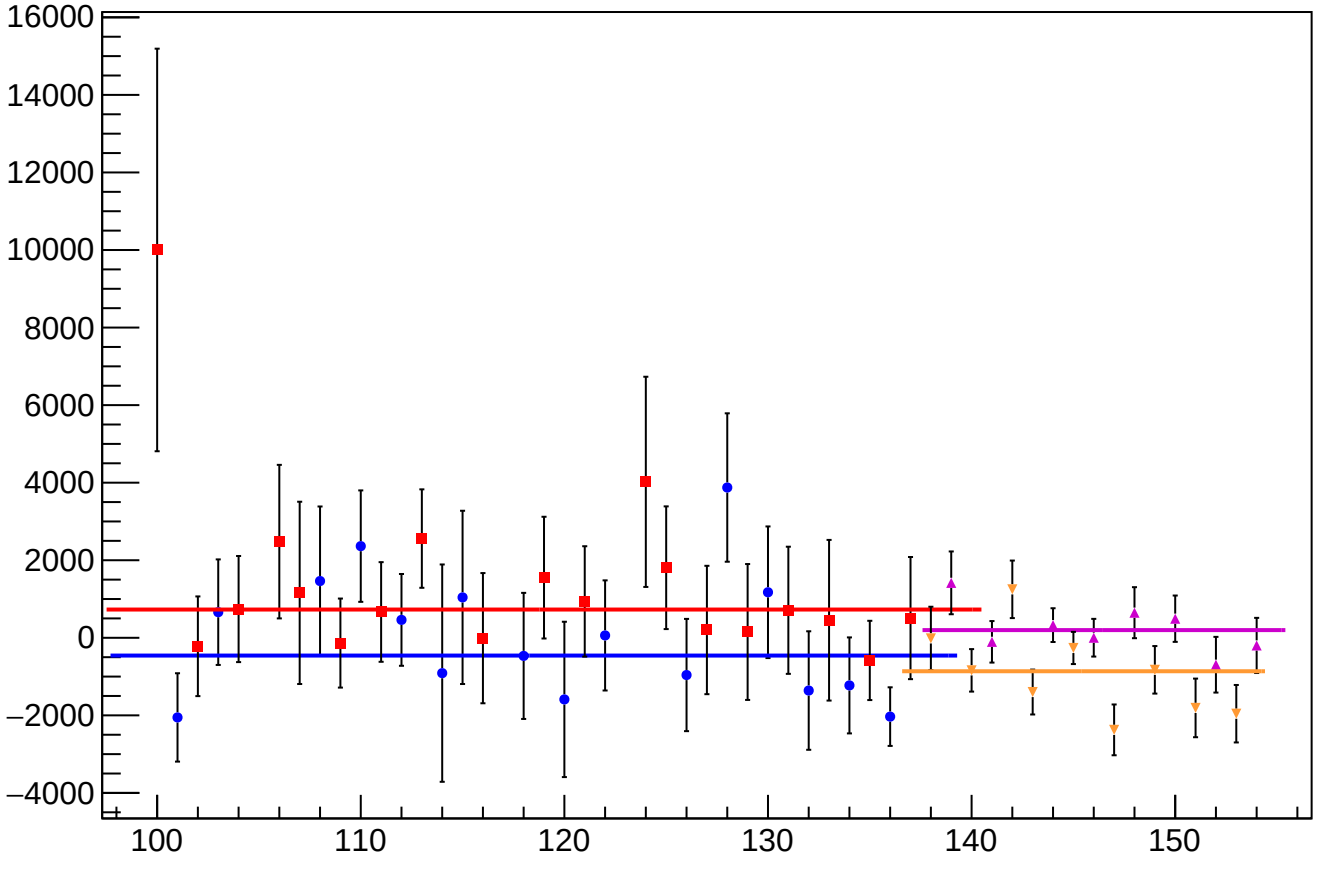
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 76.560+/-0.015 χ^2/NDF:564058.8/23

Out: 77.986+/-0.015 χ^2/NDF:729277.1/27

All: 77.262+/-0.010 χ^2/NDF: 1297983.7/51

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: 198.456+/-206.066 χ^2/NDF:5.4/7

Left: -337.178+/-145.006 χ^2/NDF: 40.0/16

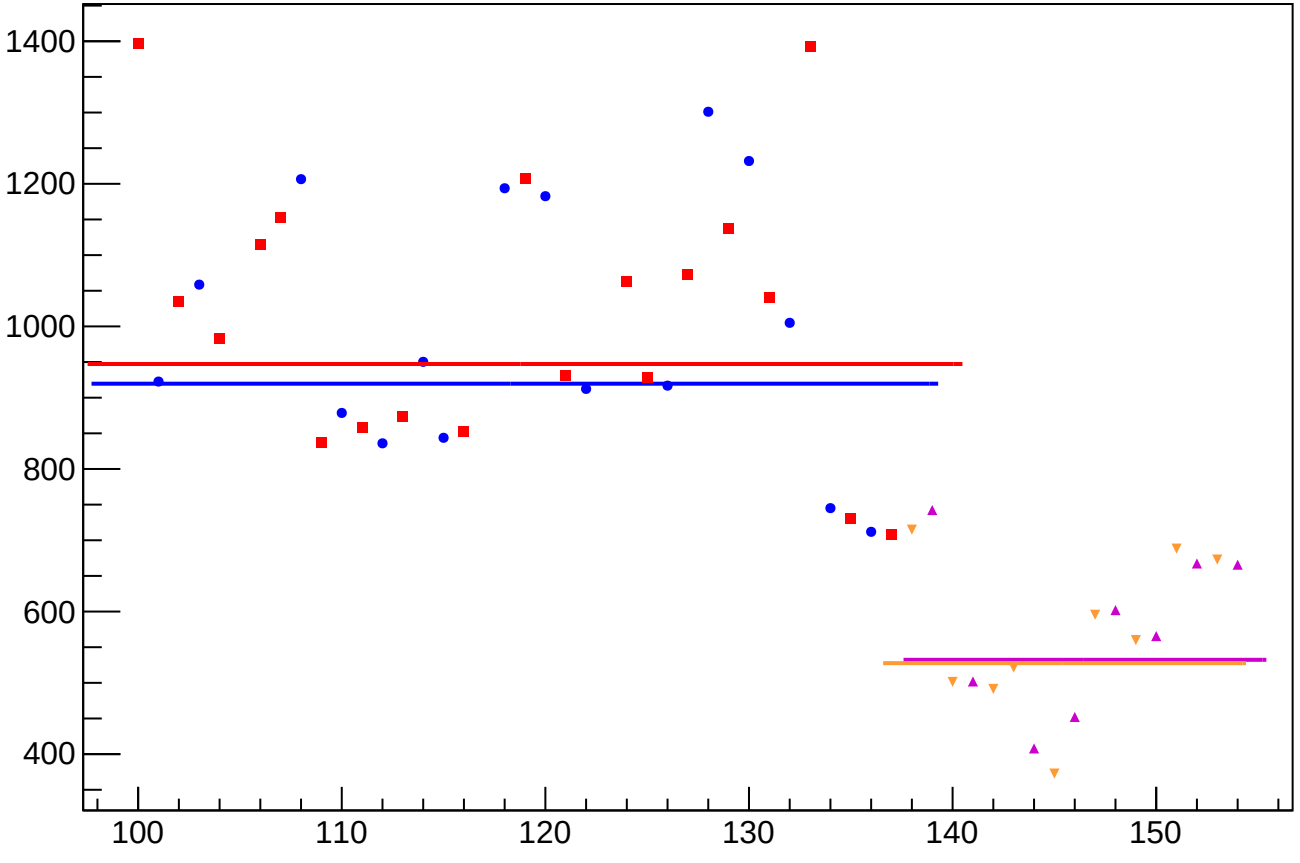
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 29.504+/-177.585 χ^2/NDF:28.3/23

Out: -463.192+/-176.630 χ^2/NDF:48.0/27

All: -218.171+/-125.232 χ^2/NDF: 80.2/51

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: 532.317+/-0.146 χ^2/NDF:528493.5/7

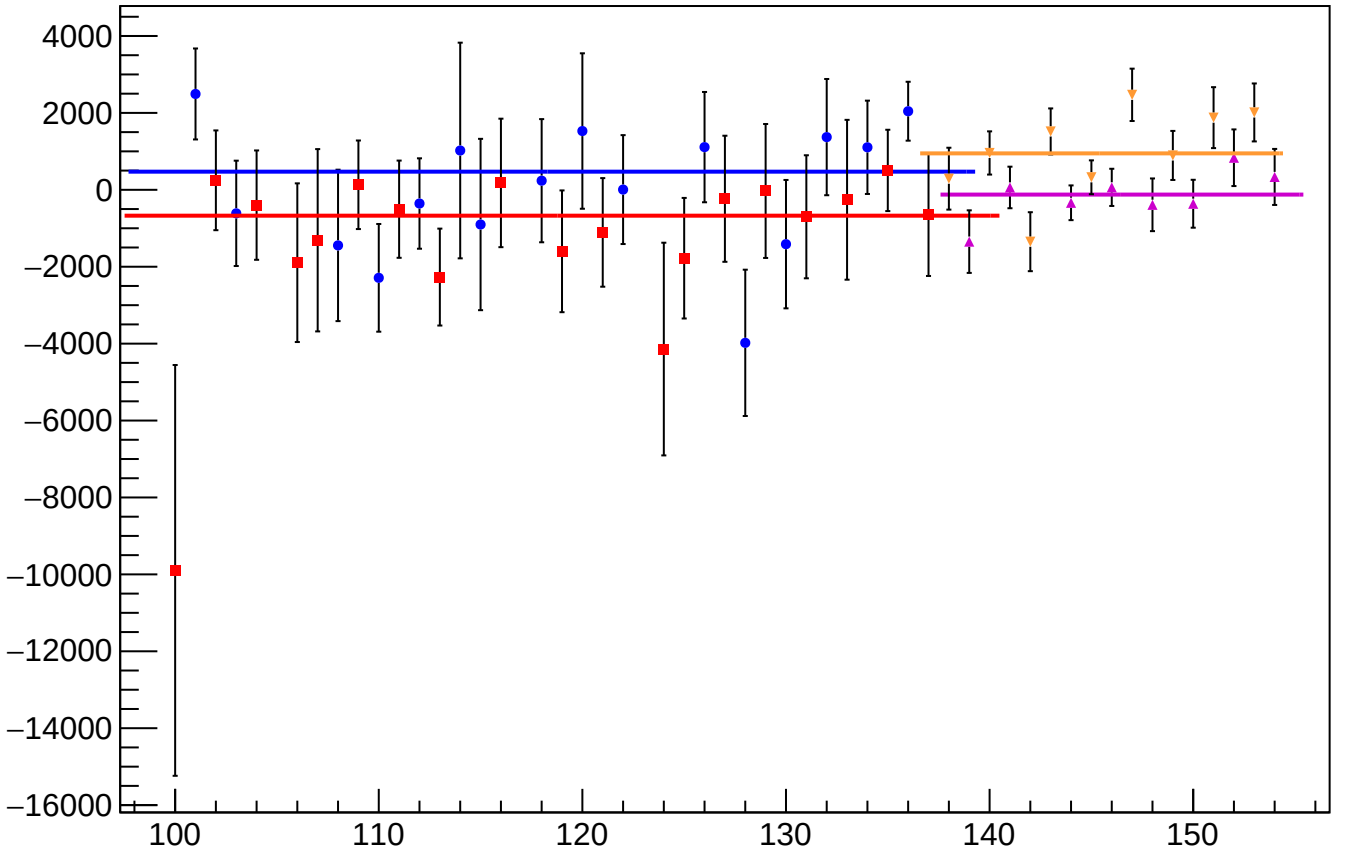
Left: 529.944+/-0.103 χ^2/NDF: 1116988.6/16

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 631.986+/-0.126 χ^2/NDF:2862147.5/23

Out: 632.940+/-0.125 χ^2/NDF:3135839.7/27

All: 632.465+/-0.089 χ^2/NDF: 5998016.2/51



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: -124.154+/-210.571 χ^2/NDF:5.1/7

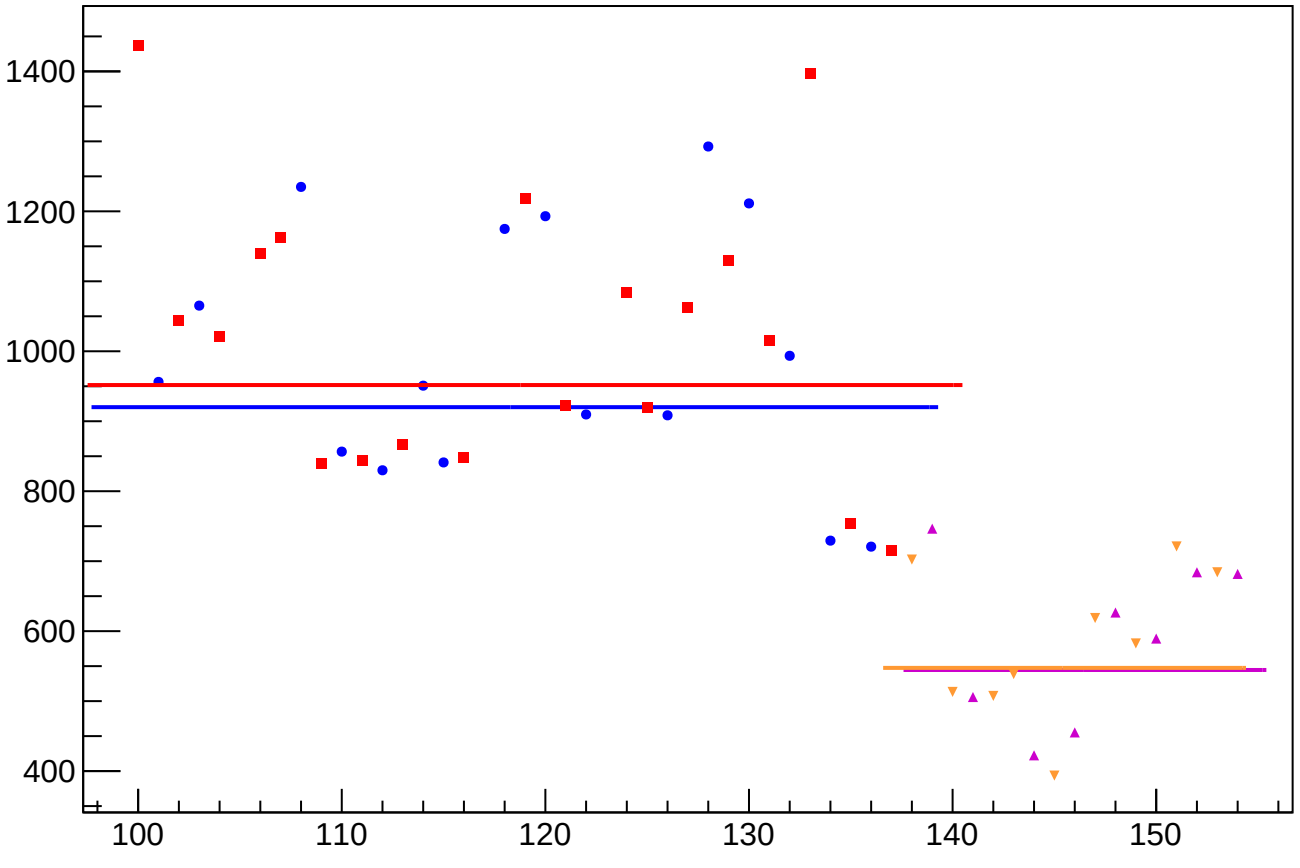
Left: 409.089+/-149.260 χ^2/NDF: 38.9/16

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 34.037+/-180.484 χ^2/NDF:28.8/23

Out: 521.996+/-181.699 χ^2/NDF:46.6/27

All: 276.381+/-128.049 χ^2/NDF: 79.0/51



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: 544.510+/-0.149 χ^2/NDF:529609.2/7

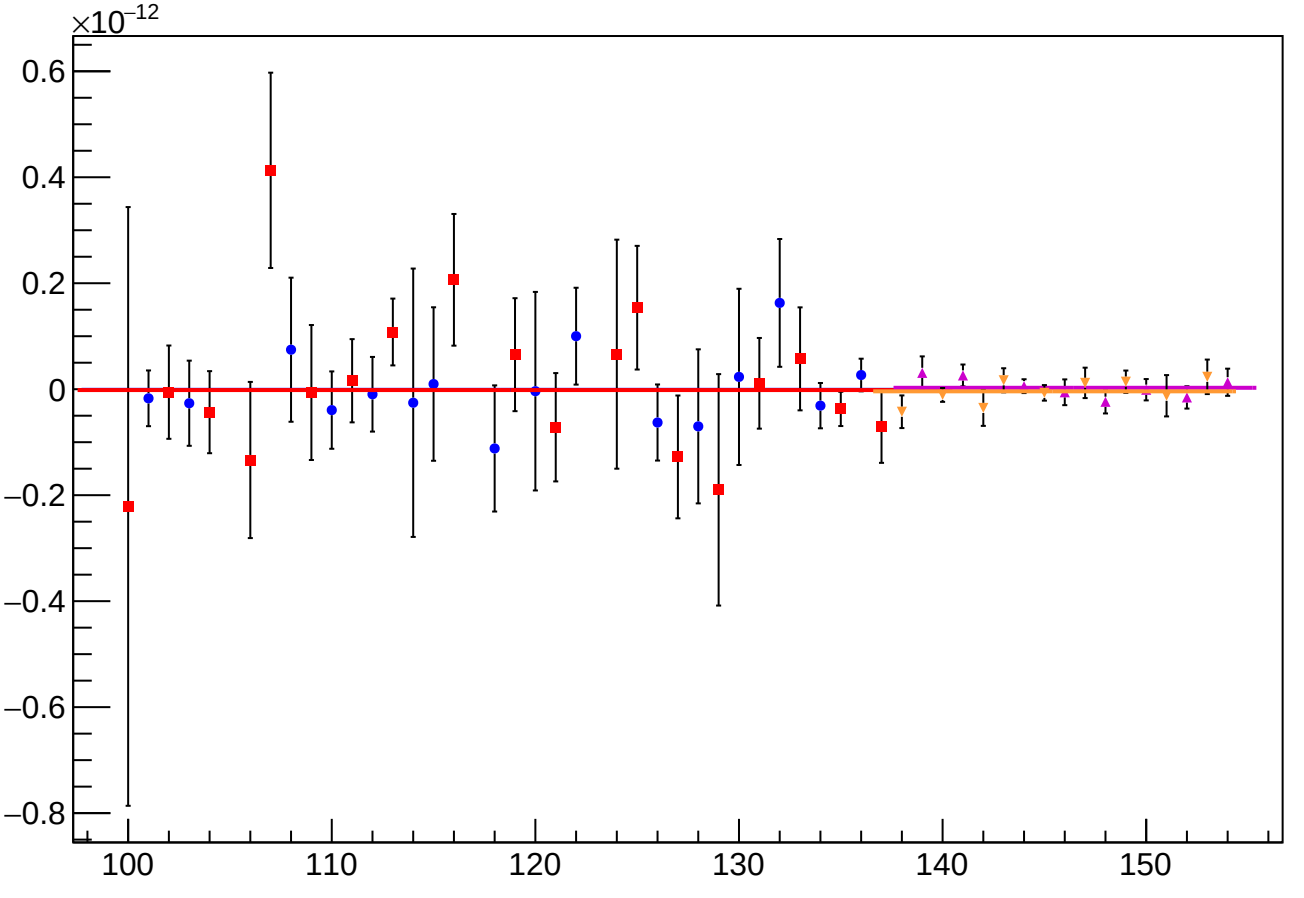
Left: 545.999+/-0.106 χ^2/NDF: 1051331.6/16

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 644.177+/-0.128 χ^2/NDF:2726912.4/23

Out: 653.688+/-0.128 χ^2/NDF:2854808.2/27

All: 648.901+/-0.091 χ^2/NDF: 5584478.7/51



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:4.7/7

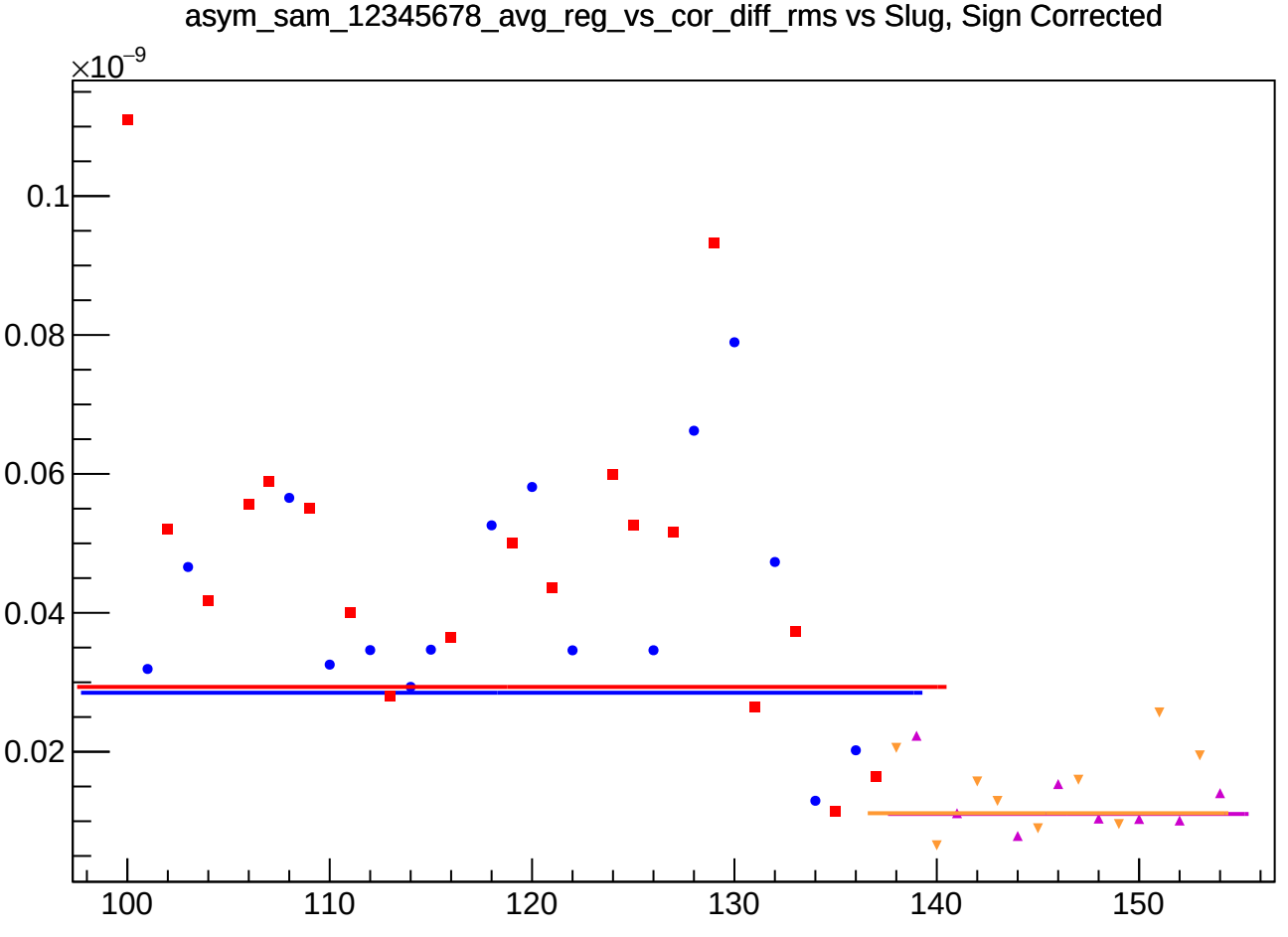
Left: -0.000+/-0.000 χ^2/NDF: 10.4/16

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:11.7/23

Out: -0.000+/-0.000 χ^2/NDF:24.8/27

All: -0.000+/-0.000 χ^2/NDF: 36.9/51



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:478835.2/7

Left: 0.000+/-0.000 χ^2/NDF: 1481547.1/16

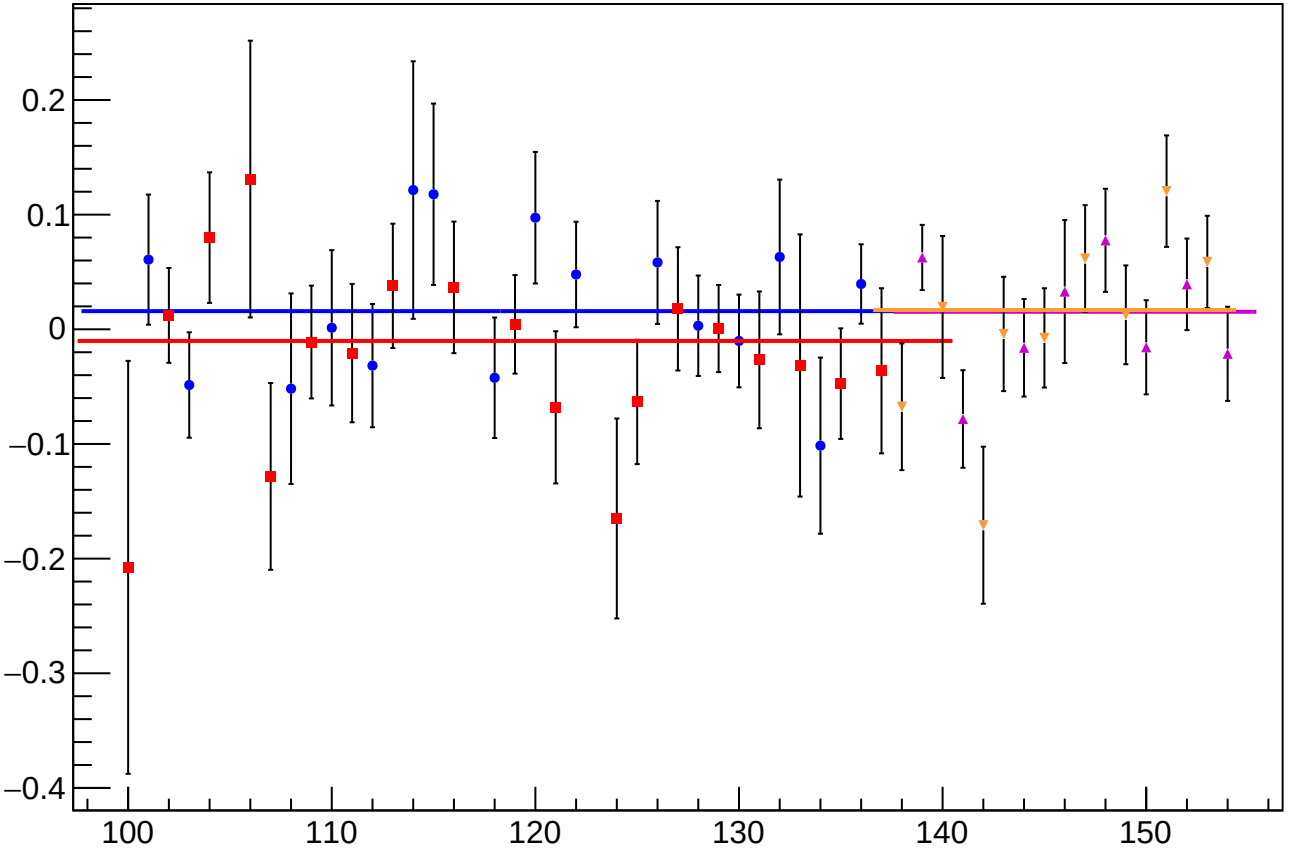
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3297276.0/23

Out: 0.000+/-0.000 χ^2/NDF:4213572.6/27

All: 0.000+/-0.000 χ^2/NDF: 7511366.8/51

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.017+/-0.016 χ^2/NDF:16.9/8

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.015+/-0.014 χ^2/NDF:11.9/7

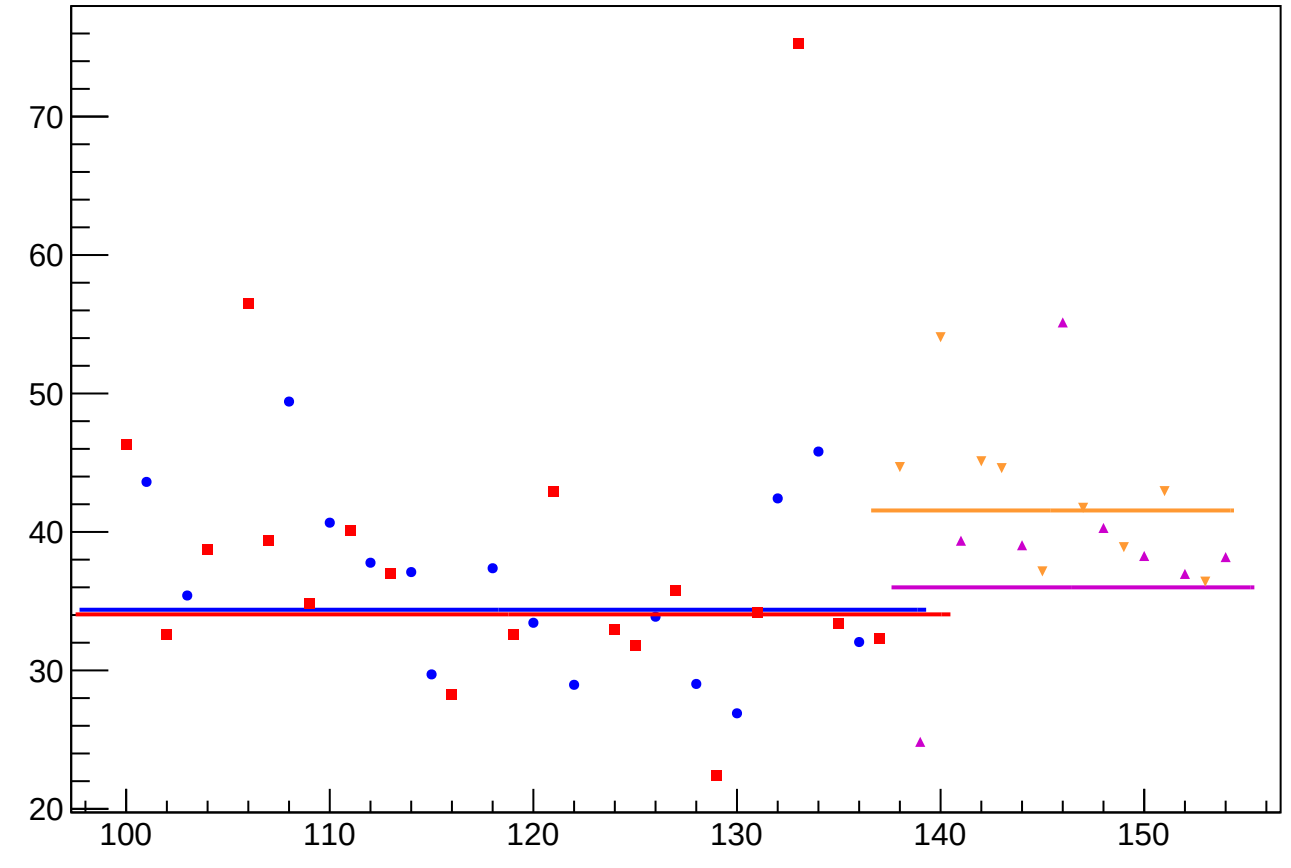
Left: 0.016+/-0.011 χ^2/NDF: 28.8/16

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:26.6/23

Out: 0.001+/-0.010 χ^2/NDF:33.7/27

All: 0.008+/-0.007 χ^2/NDF: 61.5/51



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: 35.998+/-0.010 χ^2/NDF:550878.1/7

Left: 38.414+/-0.008 χ^2/NDF: 846104.1/16

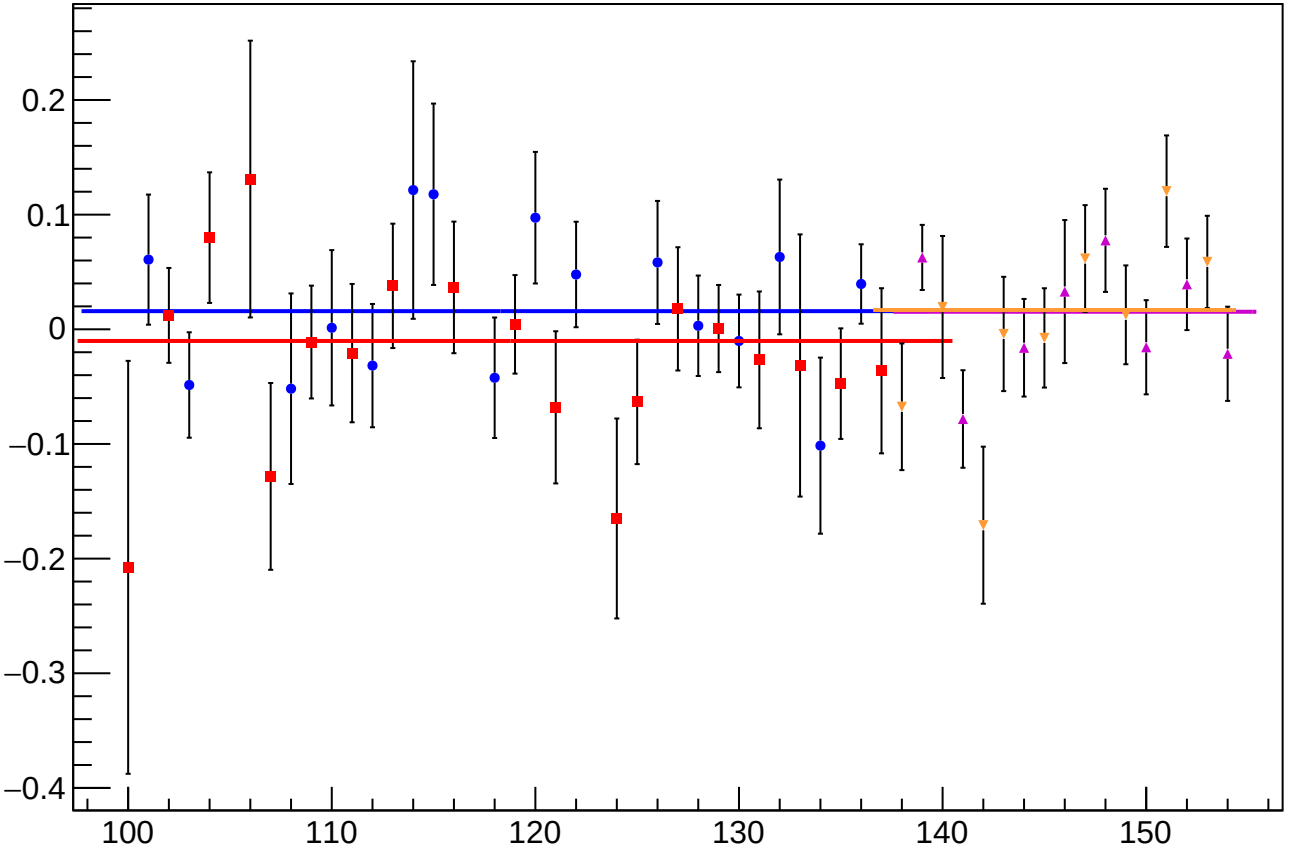
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.139+/-0.007 χ^2/NDF:932394.8/23

Out: 37.028+/-0.007 χ^2/NDF:1062726.5/27

All: 36.038+/-0.005 χ^2/NDF: 2030736.7/51

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.017+/-0.016 χ^2/NDF:16.9/8

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.015+/-0.014 χ^2/NDF:11.9/7

Left: 0.016+/-0.011 χ^2/NDF: 28.8/16

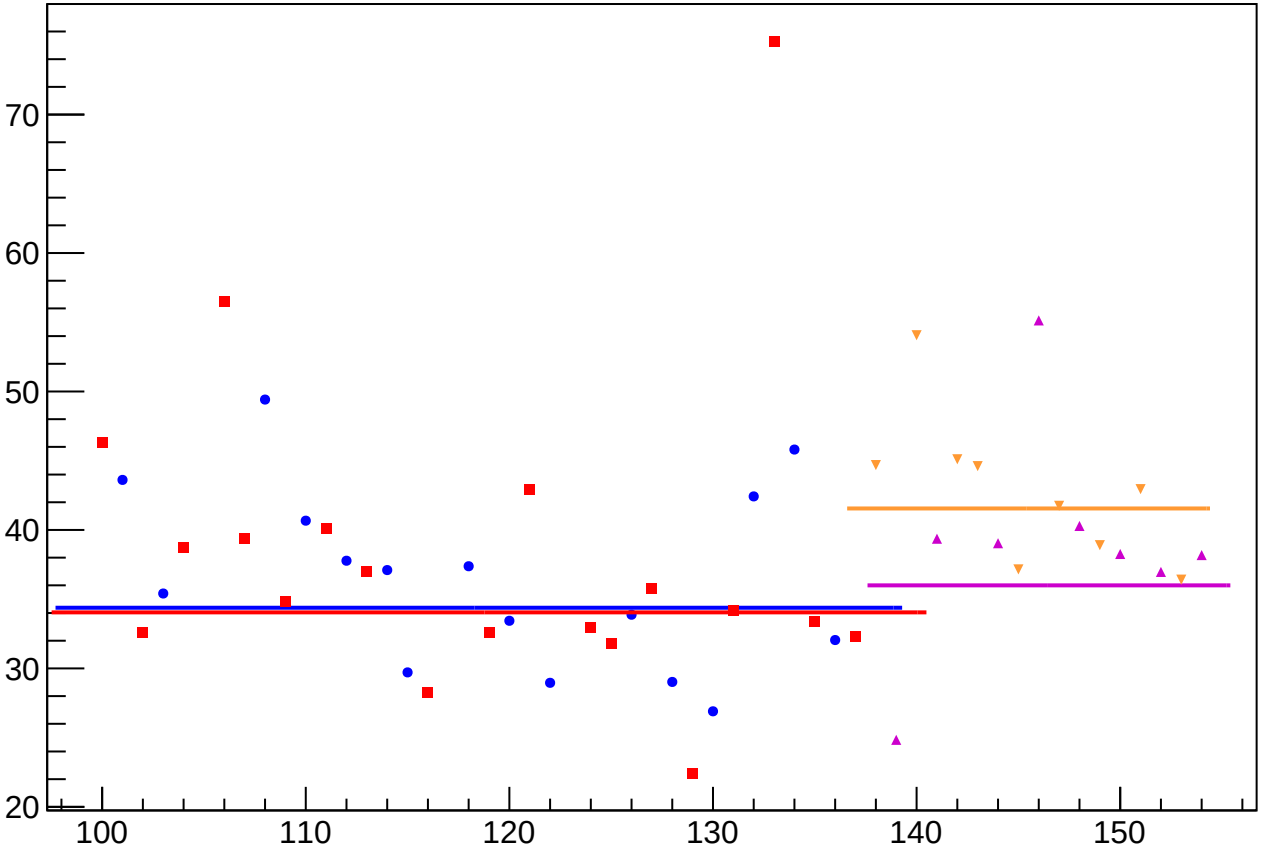
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:26.6/23

Out: 0.001+/-0.010 χ^2/NDF:33.7/27

All: 0.008+/-0.007 χ^2/NDF: 61.5/51

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: 35.998+/-0.010 χ^2/NDF:550878.1/7

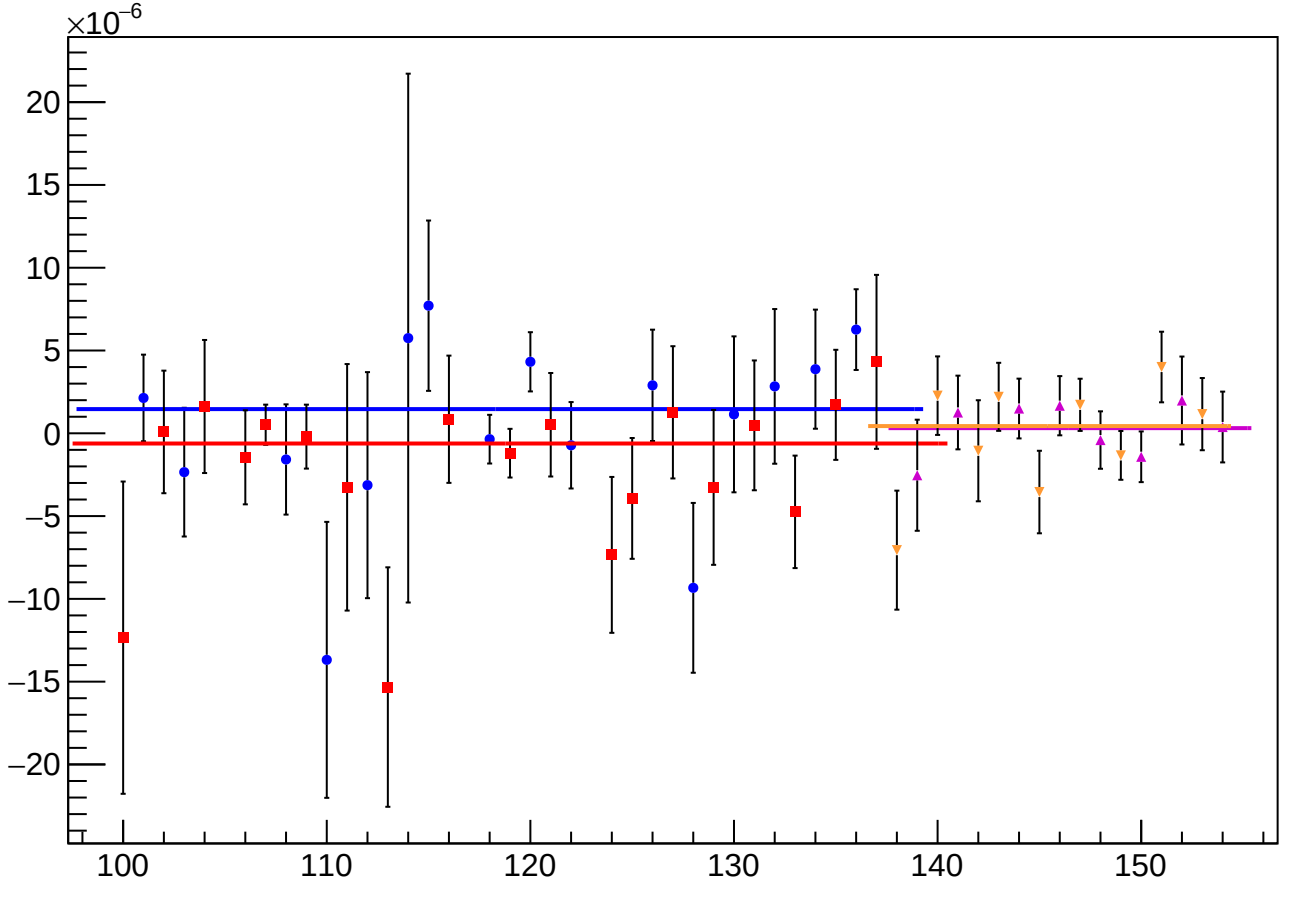
Left: 38.414+/-0.008 χ^2/NDF: 846104.1/16

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.139+/-0.007 χ^2/NDF:932394.8/23

Out: 37.028+/-0.007 χ^2/NDF:1062726.5/27

All: 36.038+/-0.005 χ^2/NDF: 2030736.7/51



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:3.7/7

Left: 0.000+/-0.000 χ^2/NDF: 17.3/16

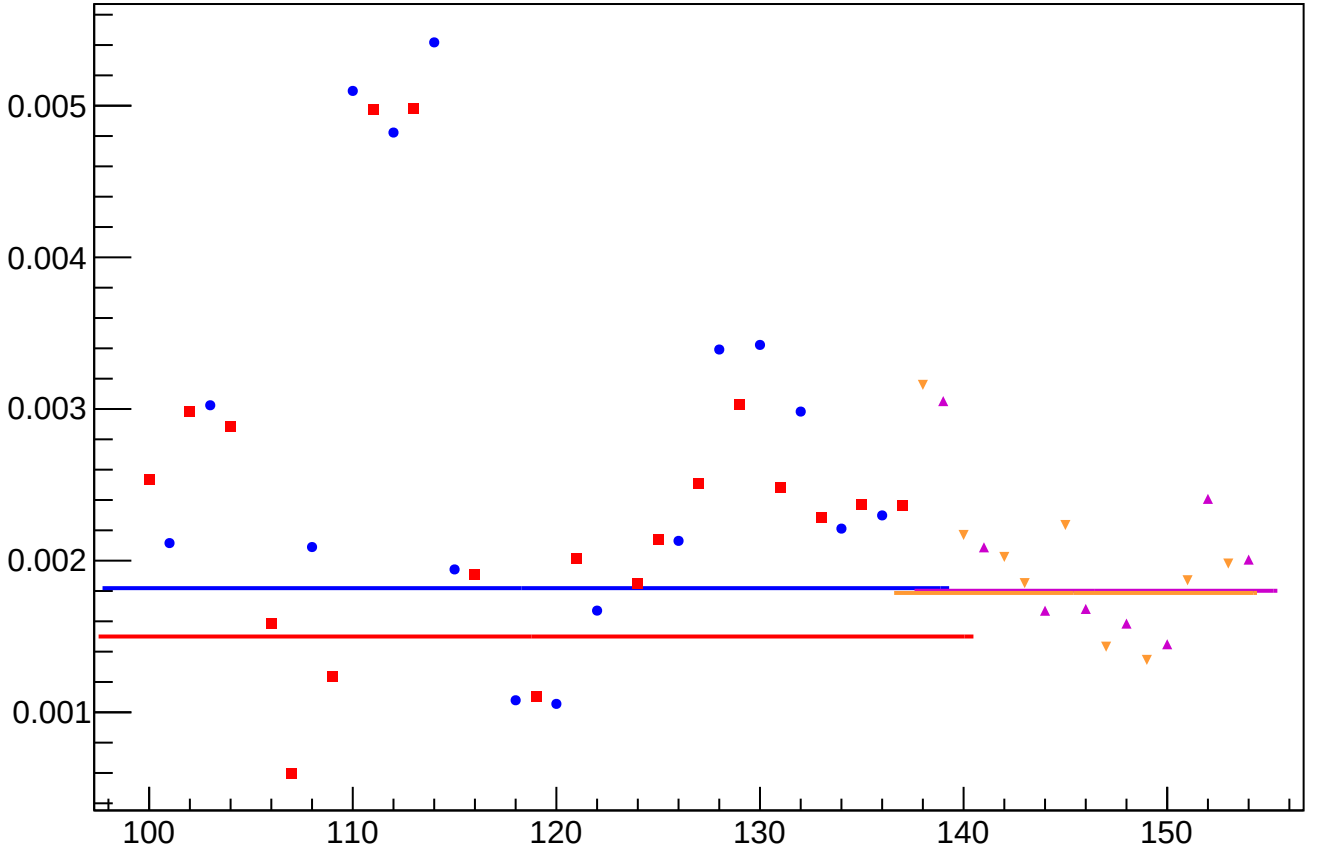
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:26.0/23

Out: -0.000+/-0.000 χ^2/NDF:28.7/27

All: 0.000+/-0.000 χ^2/NDF: 56.6/51

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:721820.9/8

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:590484.4/7

Left: 0.002+/-0.000 χ^2/NDF: 1312721.4/16

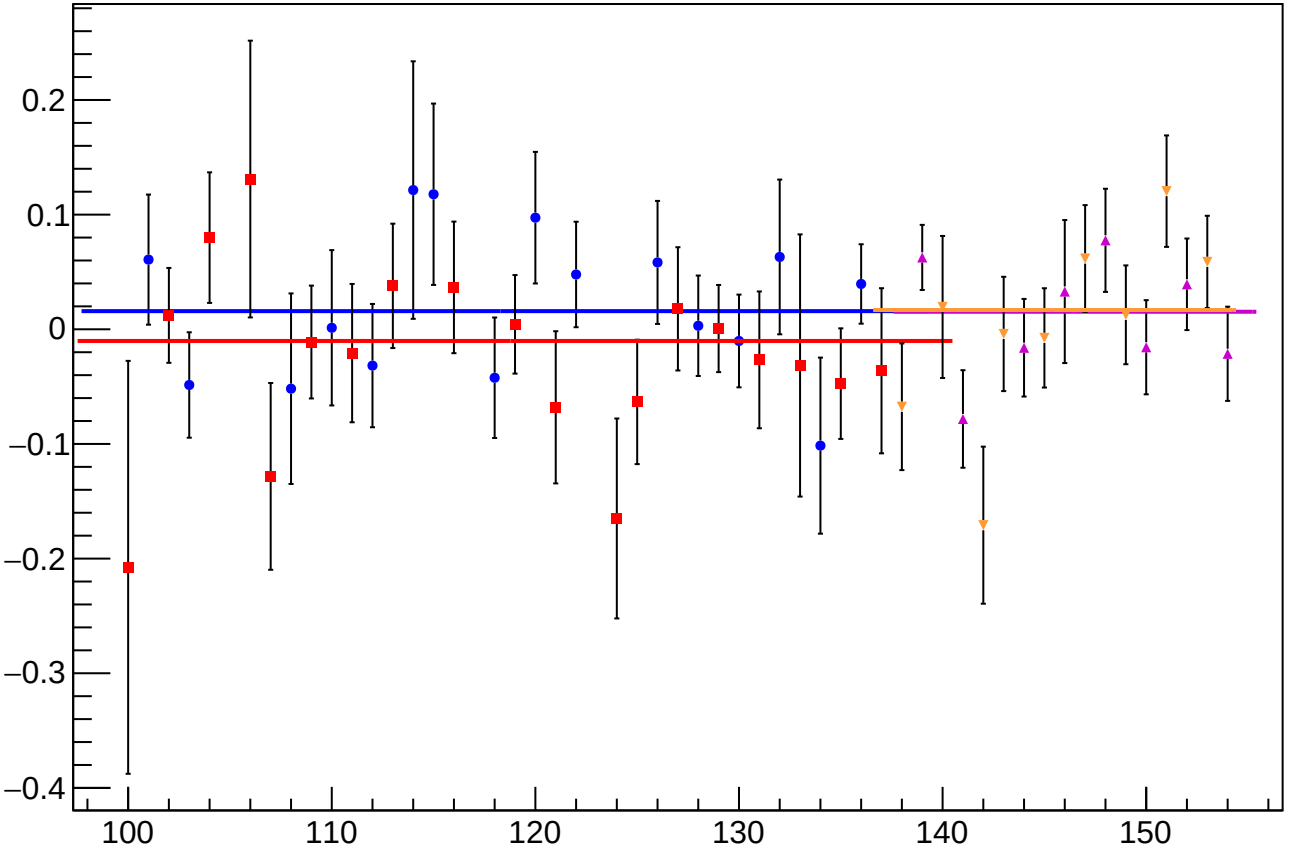
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3161300.0/23

Out: 0.002+/-0.000 χ^2/NDF:4593768.9/27

All: 0.002+/-0.000 χ^2/NDF: 7883292.7/51

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.017+/-0.016 χ^2/NDF:16.9/8

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.015+/-0.014 χ^2/NDF:11.9/7

Left: 0.016+/-0.011 χ^2/NDF: 28.8/16

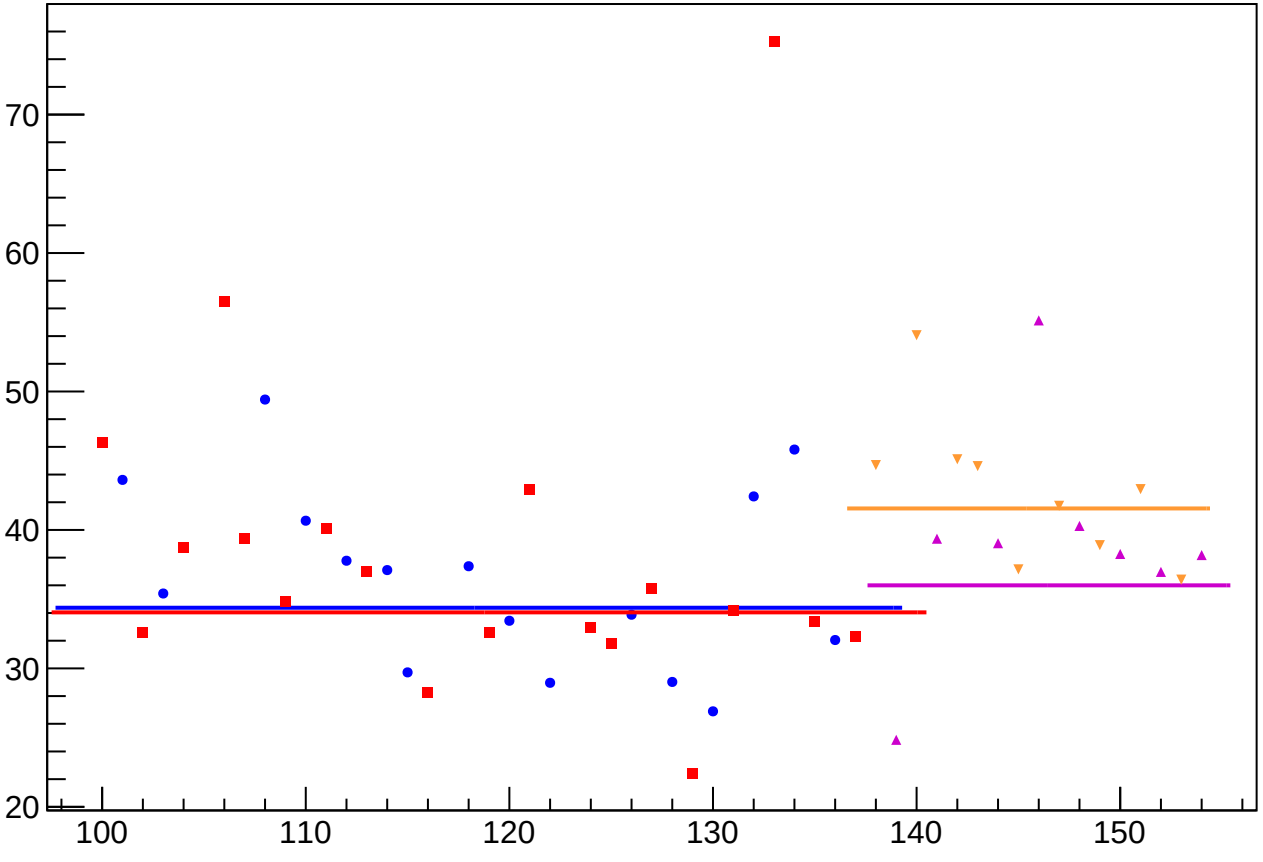
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:26.6/23

Out: 0.001+/-0.010 χ^2/NDF:33.7/27

All: 0.008+/-0.007 χ^2/NDF: 61.5/51

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: 35.999+/-0.010 χ^2/NDF:550893.0/7

Left: 38.414+/-0.008 χ^2/NDF: 846110.1/16

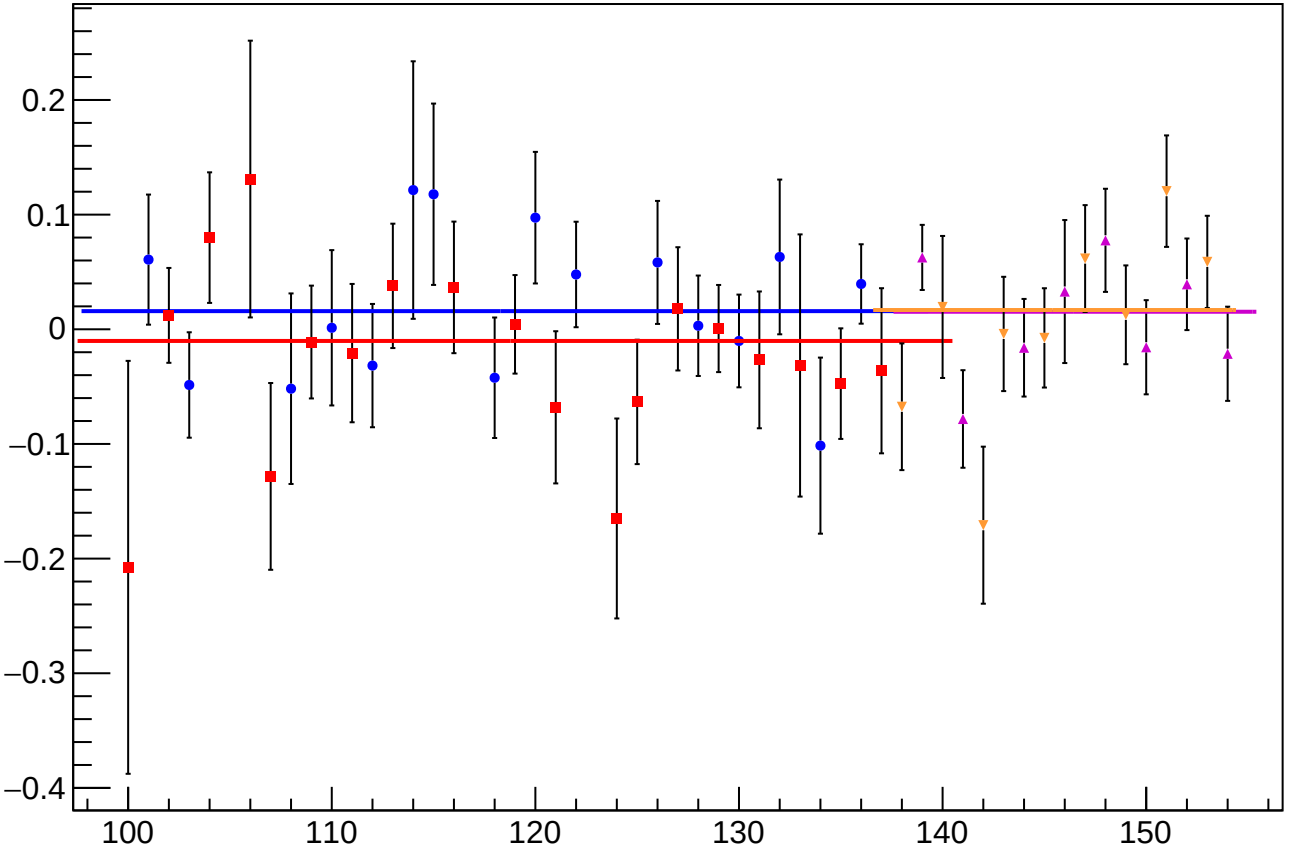
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.138+/-0.007 χ^2/NDF:932487.8/23

Out: 37.028+/-0.007 χ^2/NDF:1062835.5/27

All: 36.038+/-0.005 χ^2/NDF: 2030940.0/51

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.017+/-0.016 χ^2/NDF:16.9/8

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.015+/-0.014 χ^2/NDF:11.9/7

Left: 0.016+/-0.011 χ^2/NDF: 28.8/16

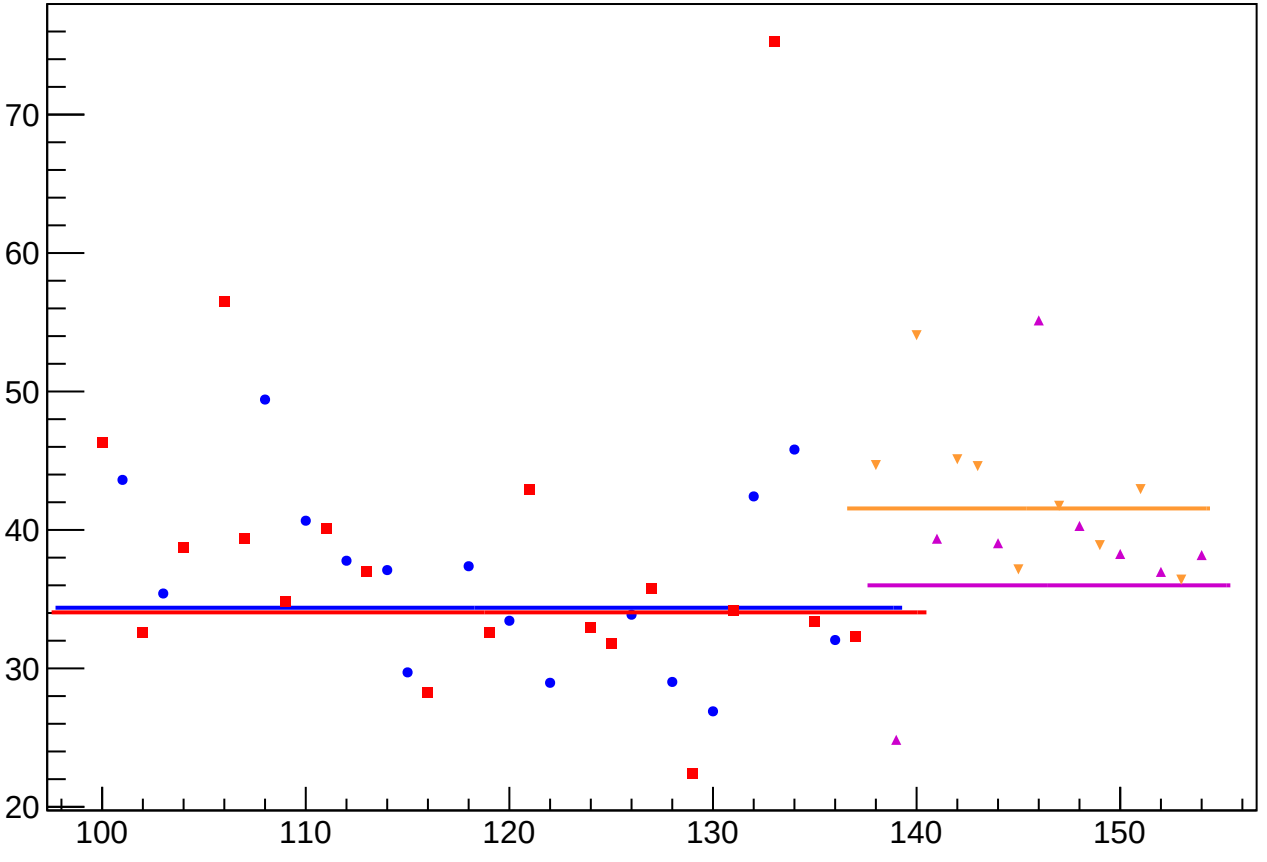
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:26.6/23

Out: 0.001+/-0.010 χ^2/NDF:33.7/27

All: 0.008+/-0.007 χ^2/NDF: 61.5/51

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: 35.999+/-0.010 χ^2/NDF:550893.0/7

Left: 38.414+/-0.008 χ^2/NDF: 846110.1/16

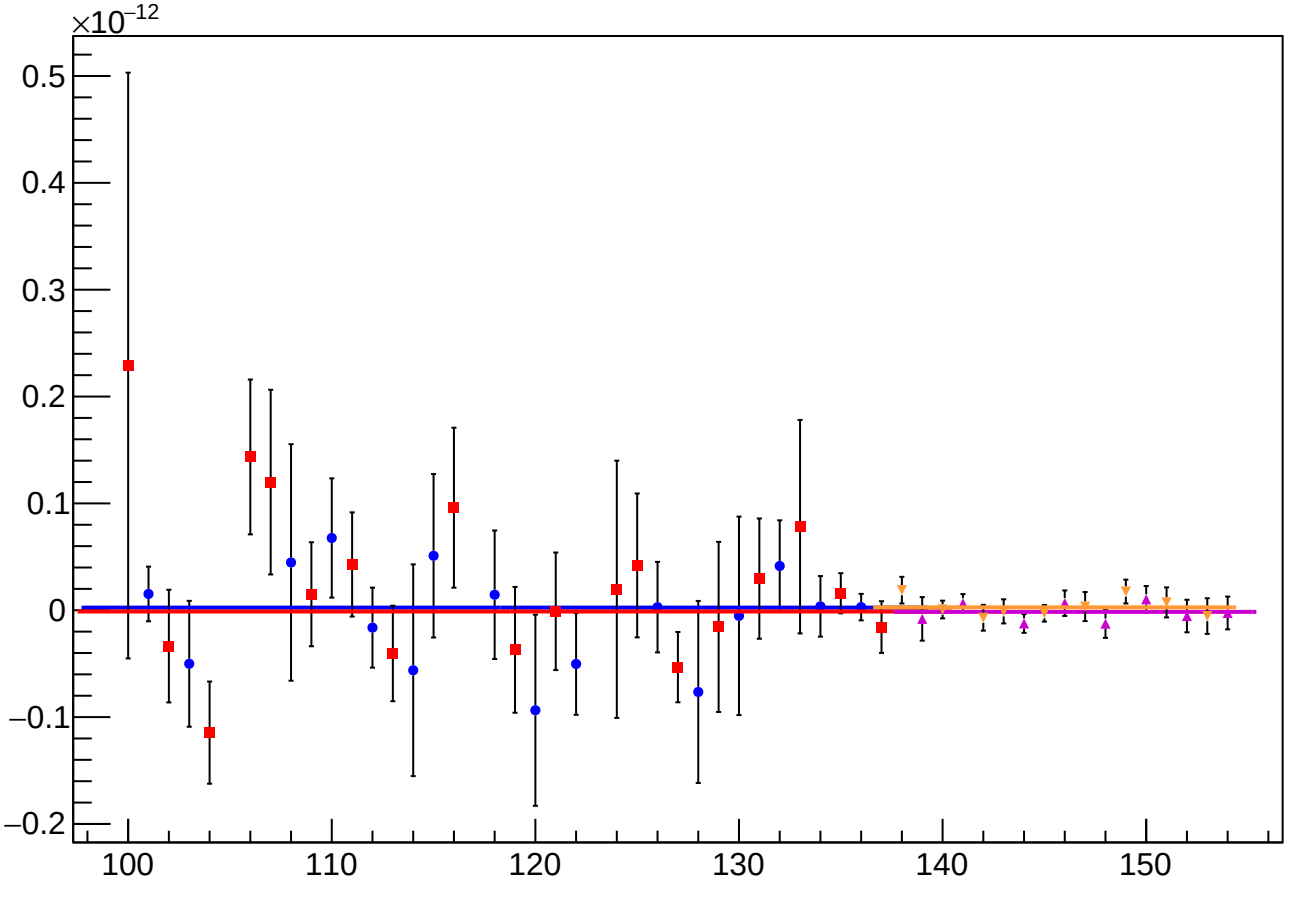
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.138+/-0.007 χ^2/NDF:932487.8/23

Out: 37.028+/-0.007 χ^2/NDF:1062835.5/27

All: 36.038+/-0.005 χ^2/NDF: 2030940.0/51

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:4.6/7

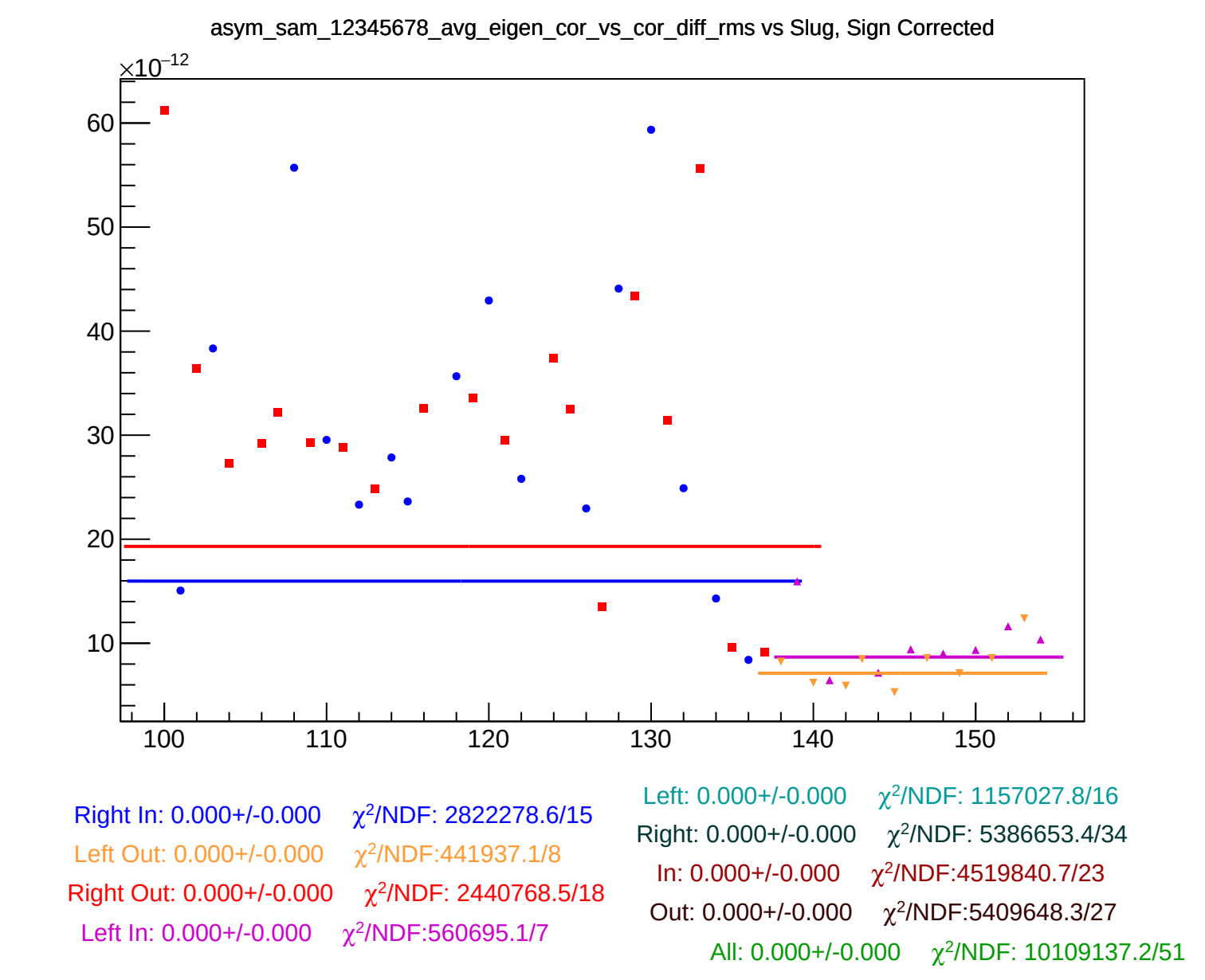
Left: 0.000+/-0.000 χ^2/NDF: 10.3/16

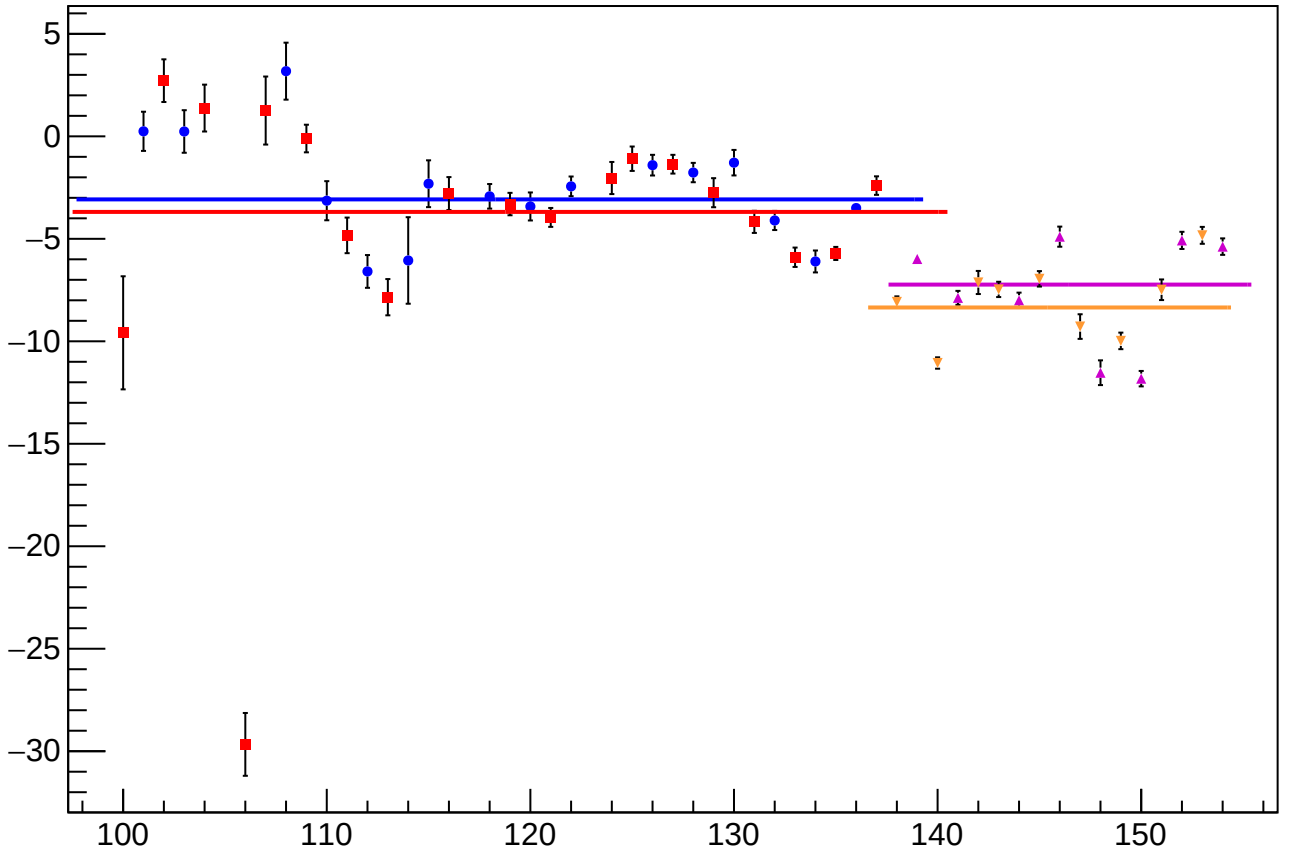
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

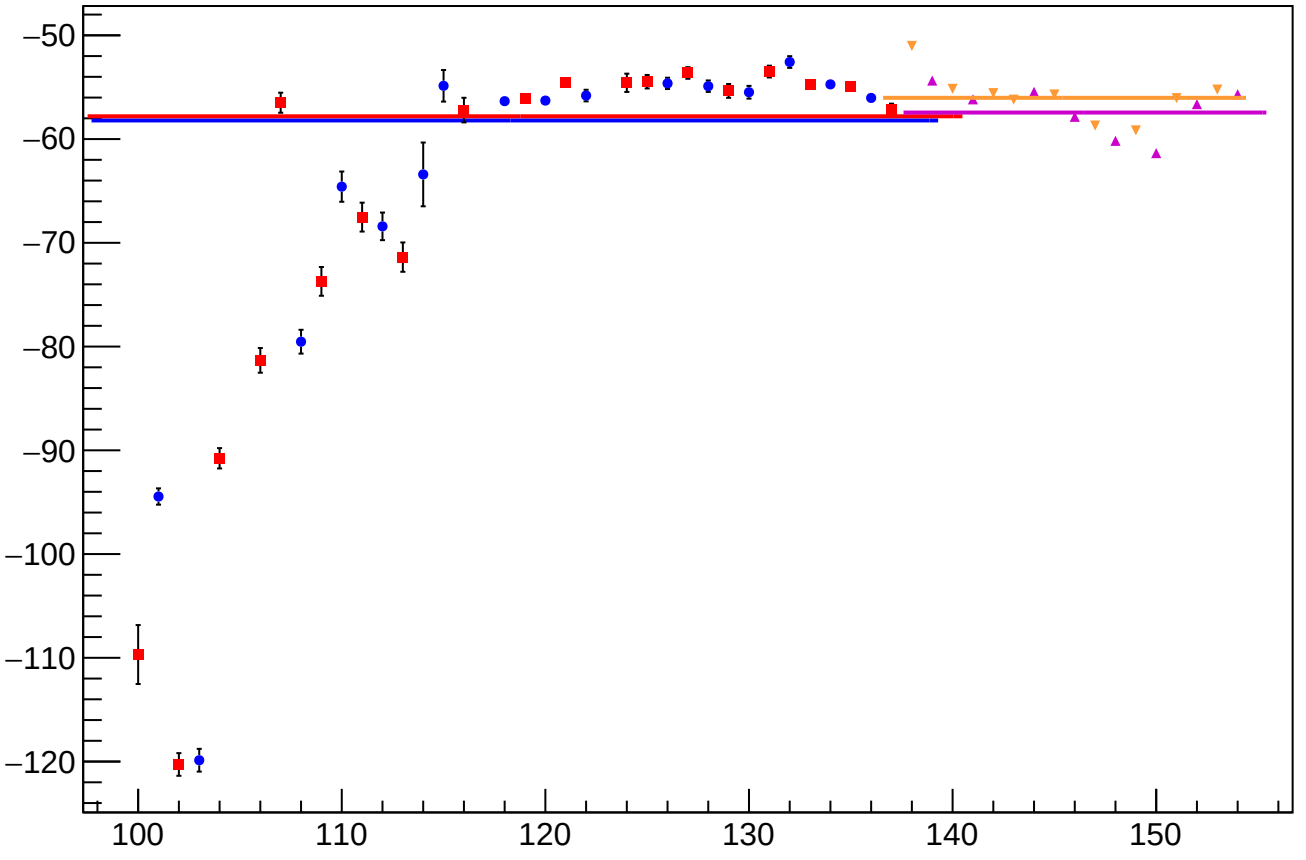
In: -0.000+/-0.000 χ^2/NDF:12.4/23

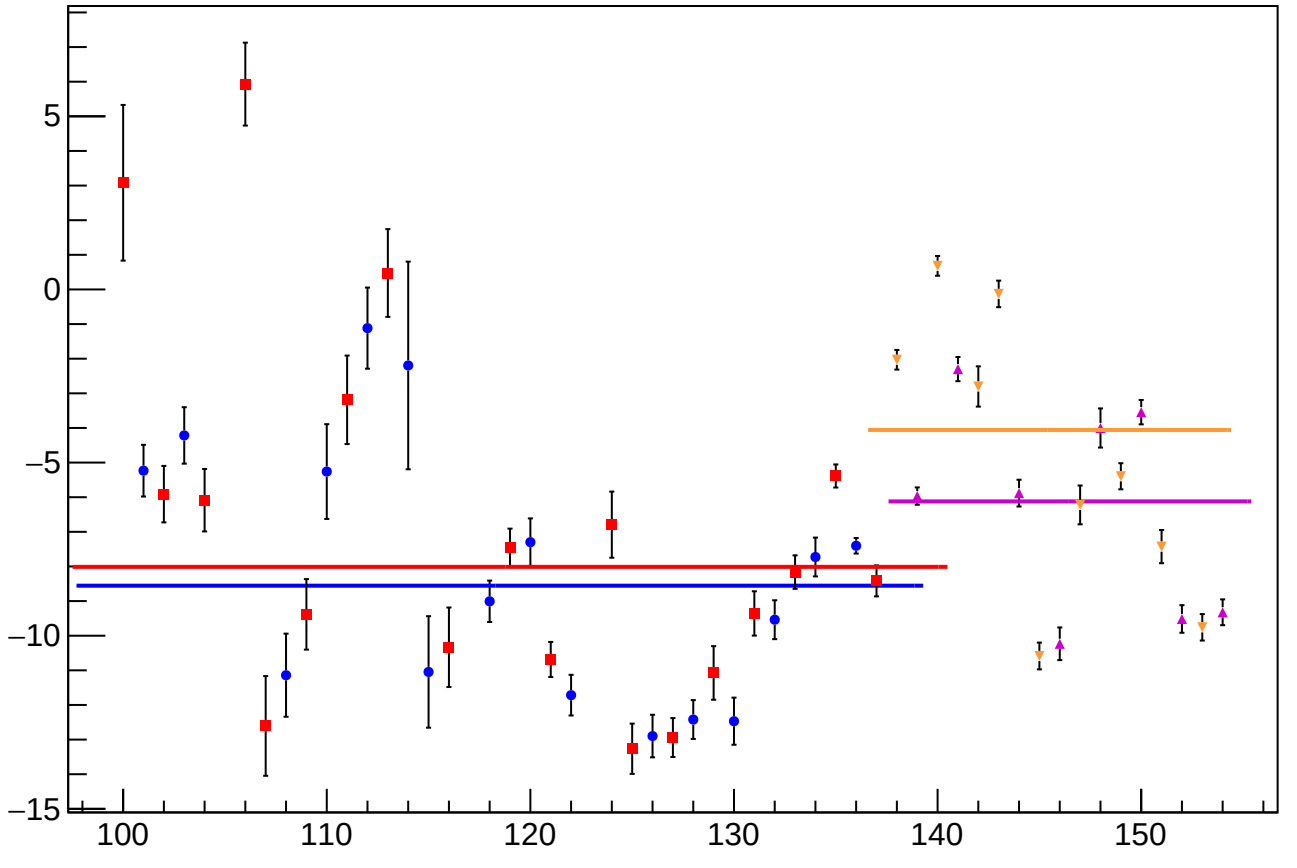
Out: 0.000+/-0.000 χ^2/NDF:26.7/27

All: 0.000+/-0.000 χ^2/NDF: 39.5/51


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:560695.1/7
Left: 0.000+/-0.000 χ²/NDF: 1157027.8/16
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4519840.7/23
Out: 0.000+/-0.000 χ²/NDF:5409648.3/27
All: 0.000+/-0.000 χ²/NDF: 10109137.2/51


reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected
5
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
Right In: -3.077+/-0.135 χ²/NDF: 133.8/15
Left Out: -8.350+/-0.126 χ²/NDF:214.6/8
Right Out: -3.687+/-0.140 χ²/NDF: 534.8/18
Left In: -7.234+/-0.130 χ²/NDF:304.6/7
Left: -7.809+/-0.091 χ²/NDF: 557.0/16
Right: -3.371+/-0.097 χ²/NDF: 678.4/34
In: -5.233+/-0.094 χ²/NDF:928.6/23
Out: -6.260+/-0.094 χ²/NDF:1359.7/27
All: -5.746+/-0.066 χ²/NDF: 2348.2/51


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: -57.442+/-0.101 χ²/NDF:501.2/7
Left: -56.687+/-0.069 χ²/NDF: 1122.1/16
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -57.715+/-0.081 χ²/NDF:6648.4/23
Out: -56.592+/-0.078 χ²/NDF:6421.5/27
All: -57.133+/-0.056 χ²/NDF: 13169.3/51



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: -6.121+/-0.129 χ^2/NDF:410.7/7

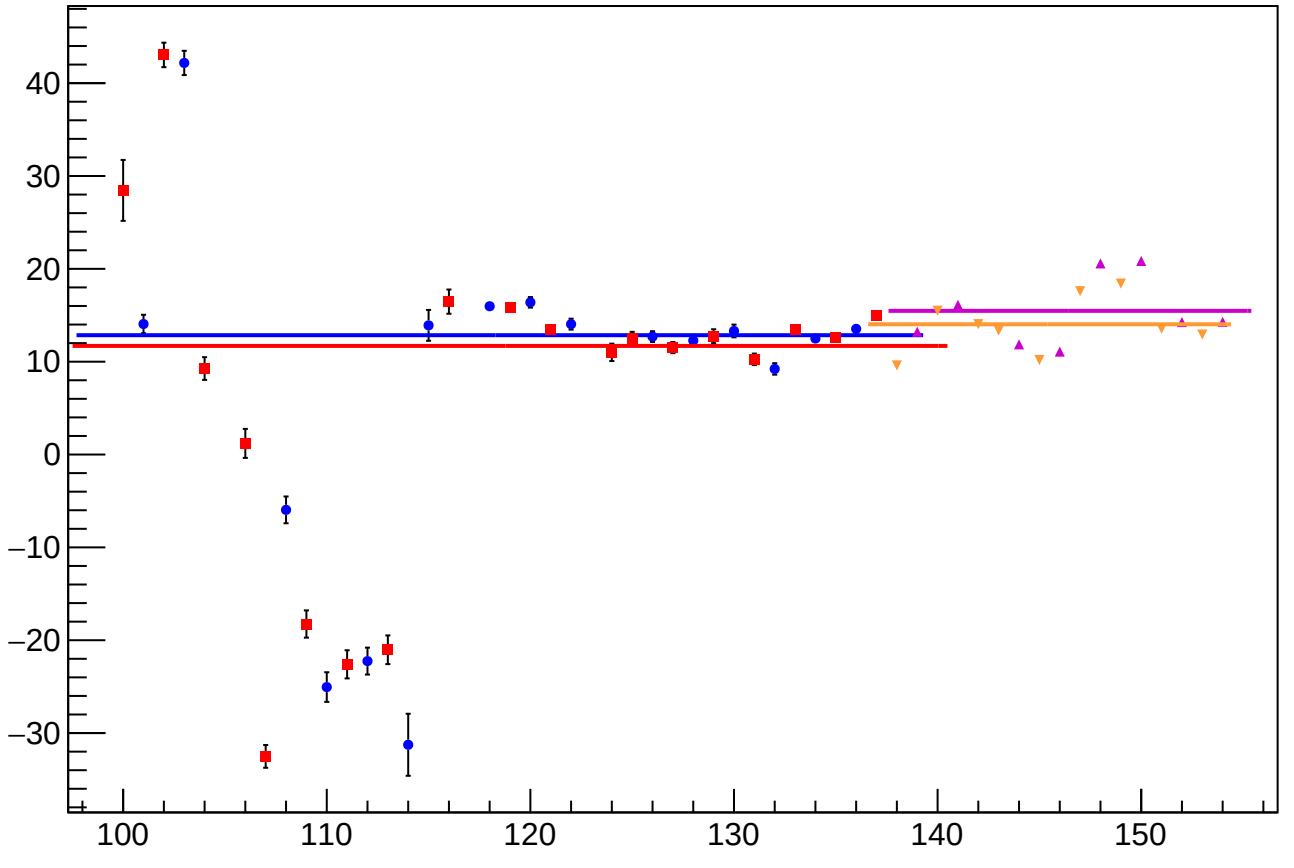
Left: -5.069+/-0.090 χ^2/NDF: 1561.7/16

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.199+/-0.096 χ^2/NDF:869.1/23

Out: -5.663+/-0.097 χ^2/NDF:1906.9/27

All: -6.440+/-0.069 χ^2/NDF: 2901.6/51



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: 15.475+/-0.119 χ^2/NDF:816.8/7

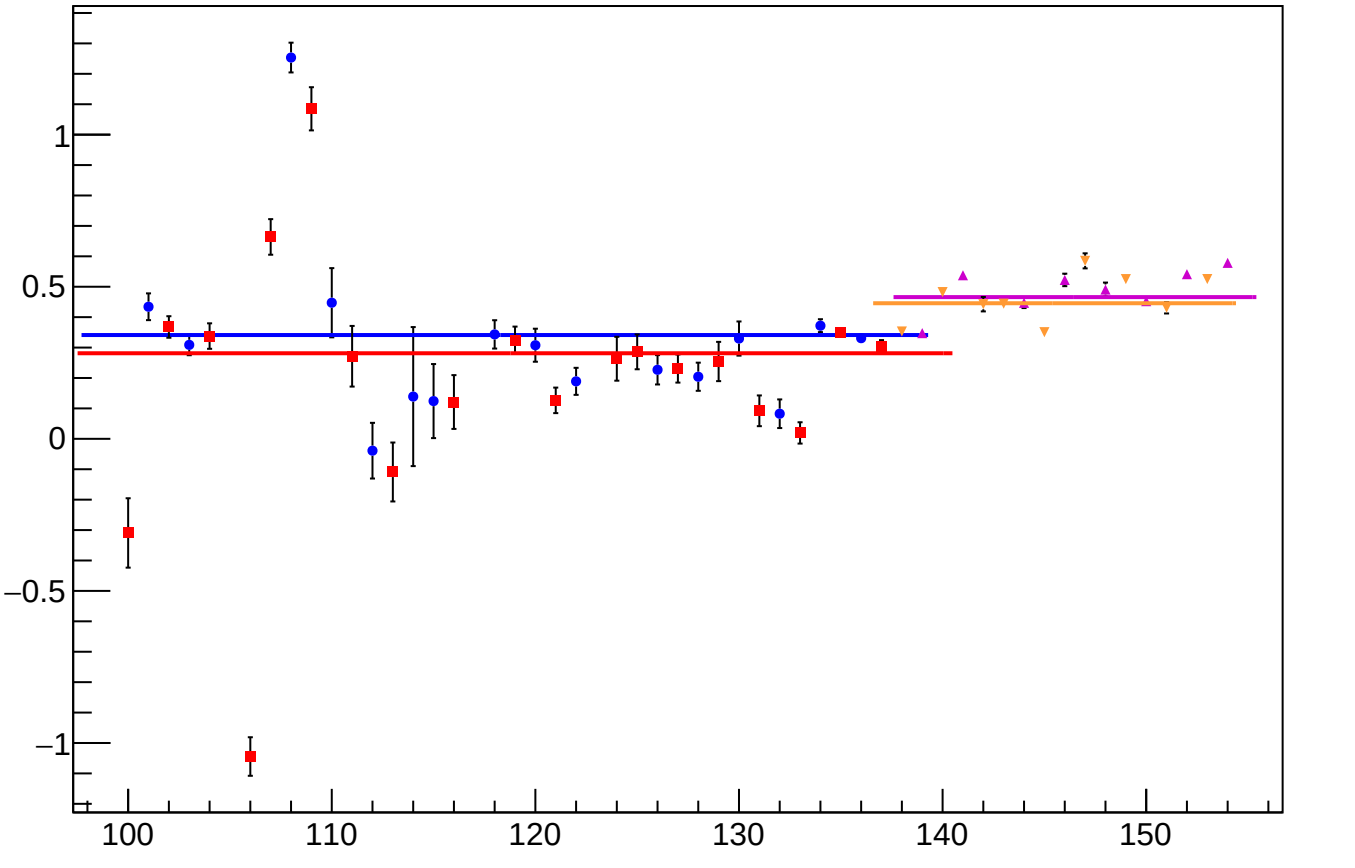
Left: 14.714+/-0.082 χ^2/NDF: 1505.6/16

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 14.465+/-0.093 χ^2/NDF:3132.3/23

Out: 13.222+/-0.091 χ^2/NDF:4257.4/27

All: 13.830+/-0.065 χ^2/NDF: 7480.5/51



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: 0.466+/-0.005 χ^2/NDF:320.1/7

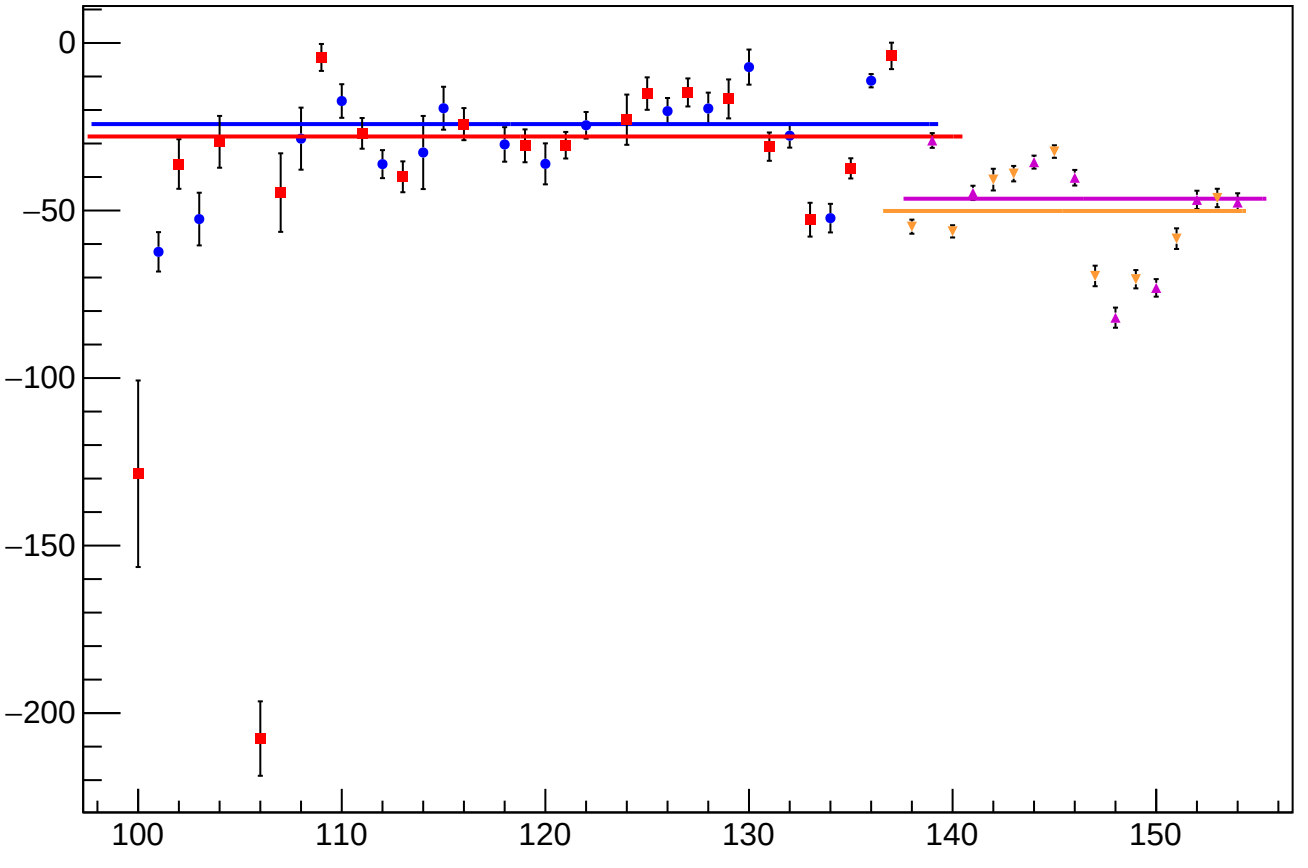
Left: 0.456+/-0.004 χ^2/NDF: 541.1/16

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.431+/-0.004 χ^2/NDF:935.2/23

Out: 0.402+/-0.004 χ^2/NDF:1267.8/27

All: 0.417+/-0.003 χ^2/NDF: 2225.4/51



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: -46.477+/-0.846 χ^2/NDF:344.7/7

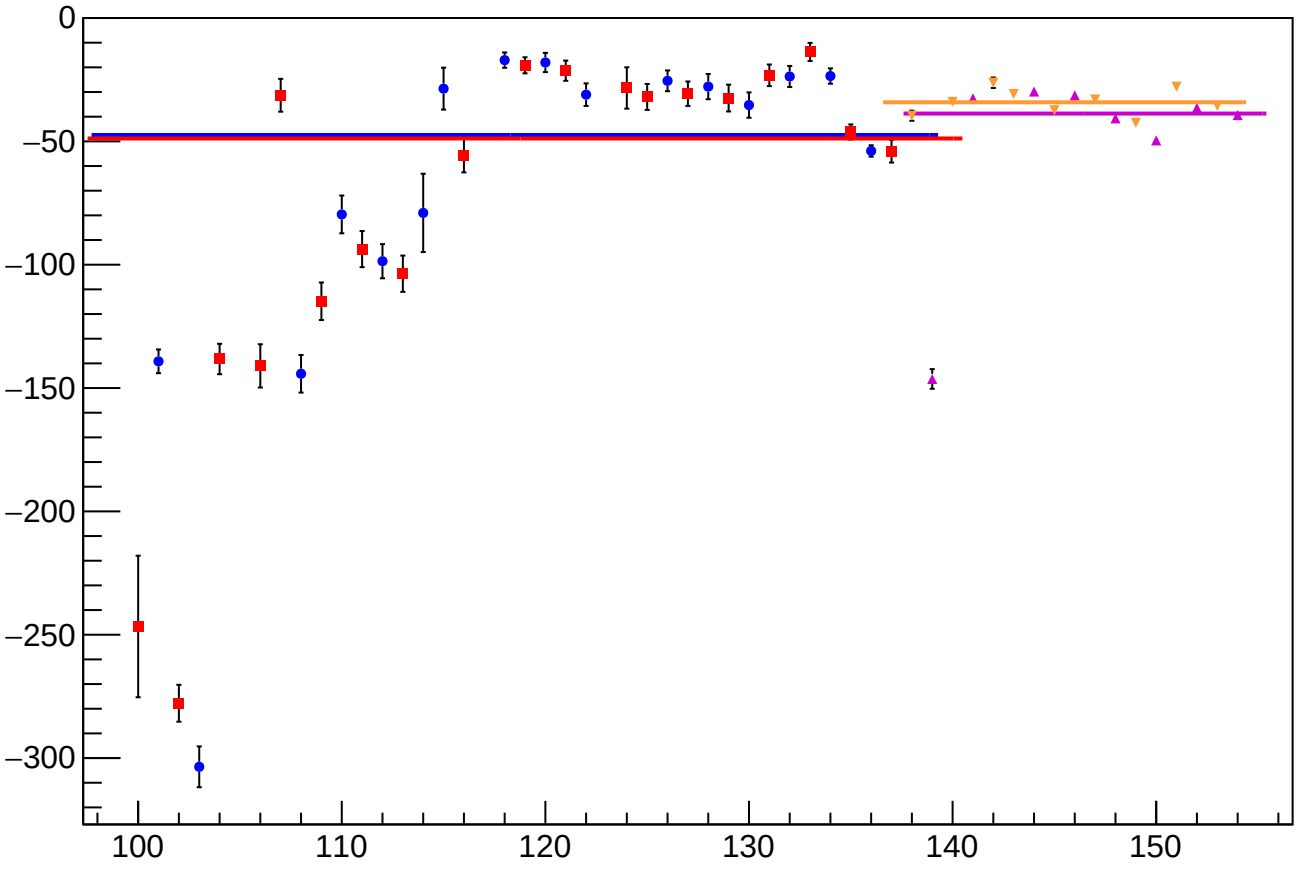
Left: -48.412+/-0.581 χ^2/NDF: 596.4/16

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -38.064+/-0.668 χ^2/NDF:777.0/23

Out: -42.791+/-0.654 χ^2/NDF:911.1/27

All: -40.478+/-0.467 χ^2/NDF: 1713.7/51



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: -38.731+/-0.588 χ^2/NDF:853.8/7

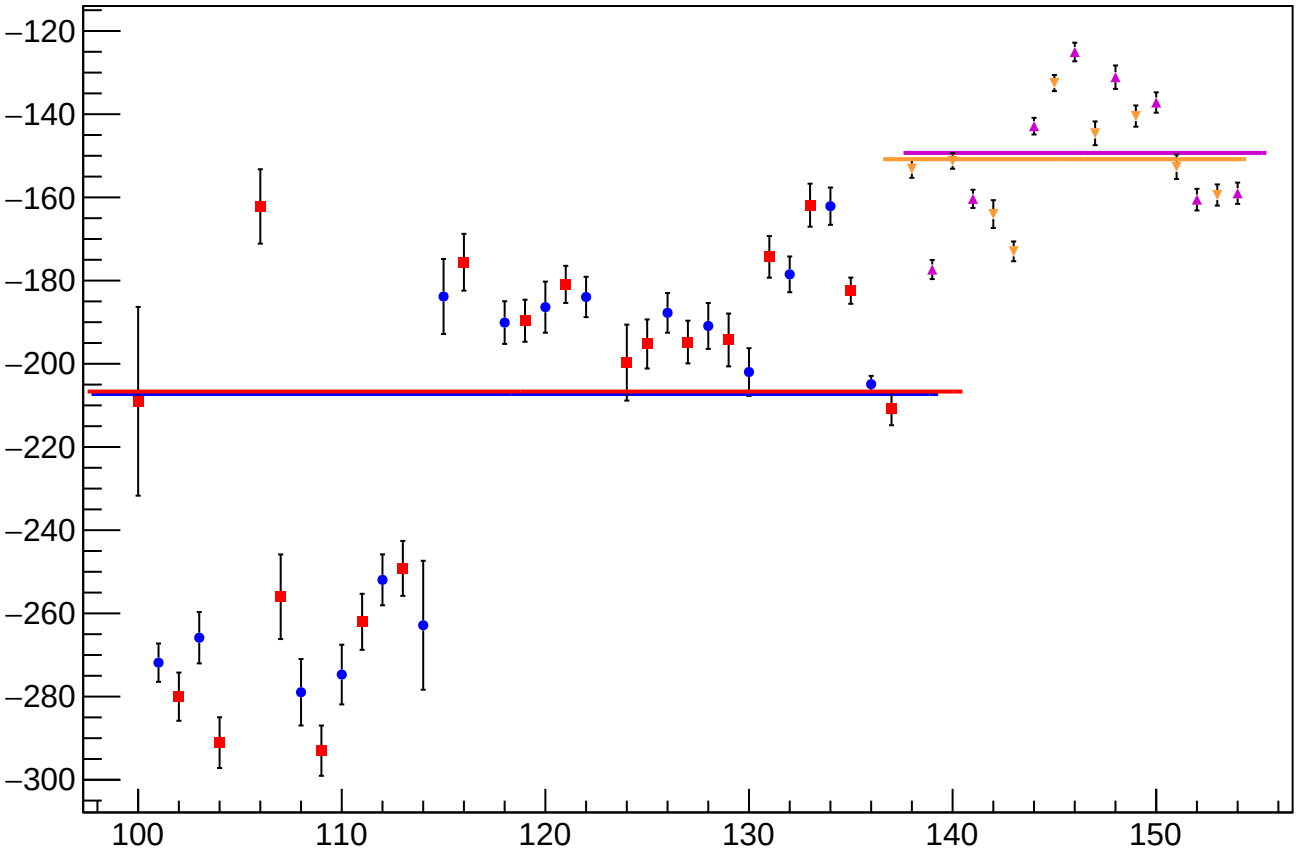
Left: -36.347+/-0.407 χ^2/NDF: 953.1/16

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -40.660+/-0.519 χ^2/NDF:2775.8/23

Out: -36.875+/-0.508 χ^2/NDF:1967.9/27

All: -38.730+/-0.363 χ^2/NDF: 4770.8/51



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: -149.308+/-0.833 χ^2/NDF:401.4/7

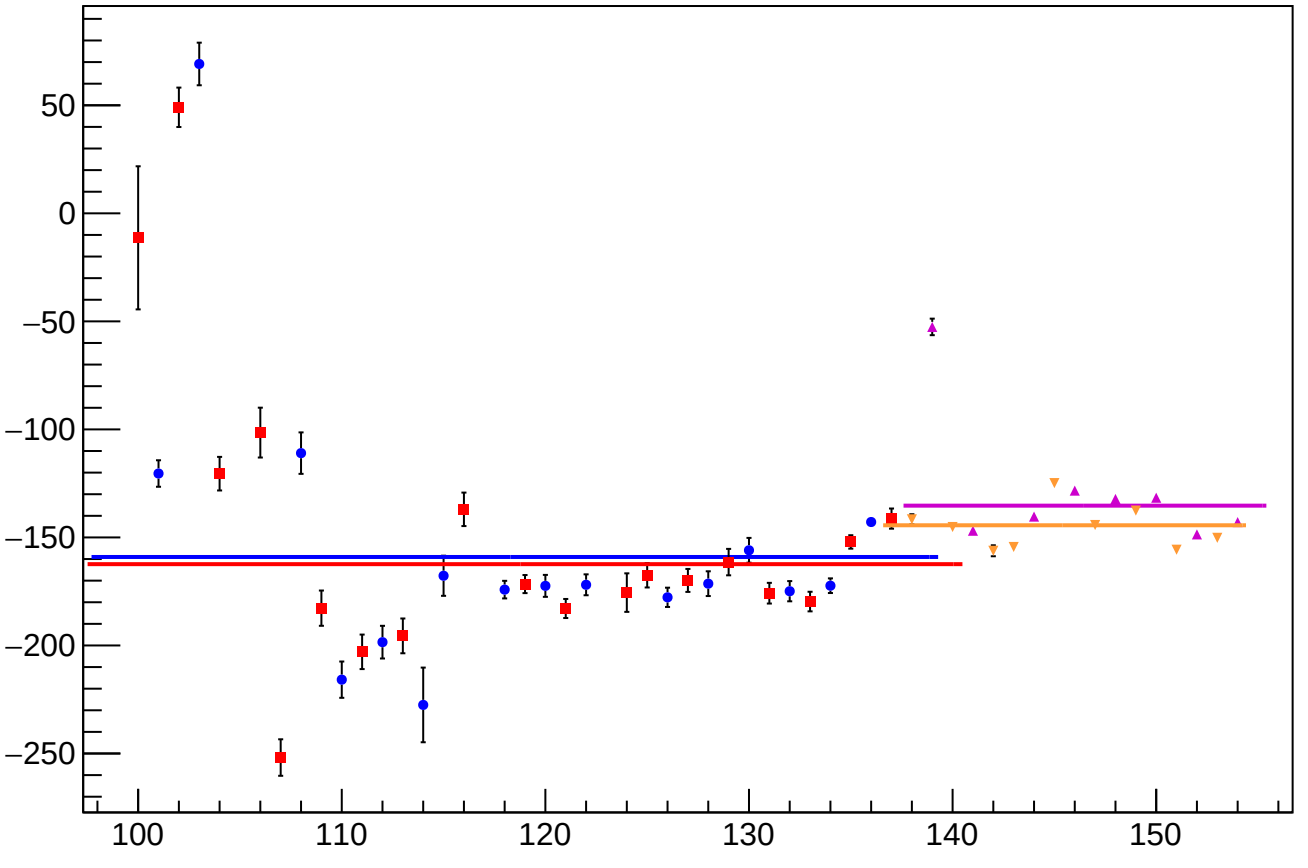
Left: -150.096+/-0.576 χ^2/NDF: 629.7/16

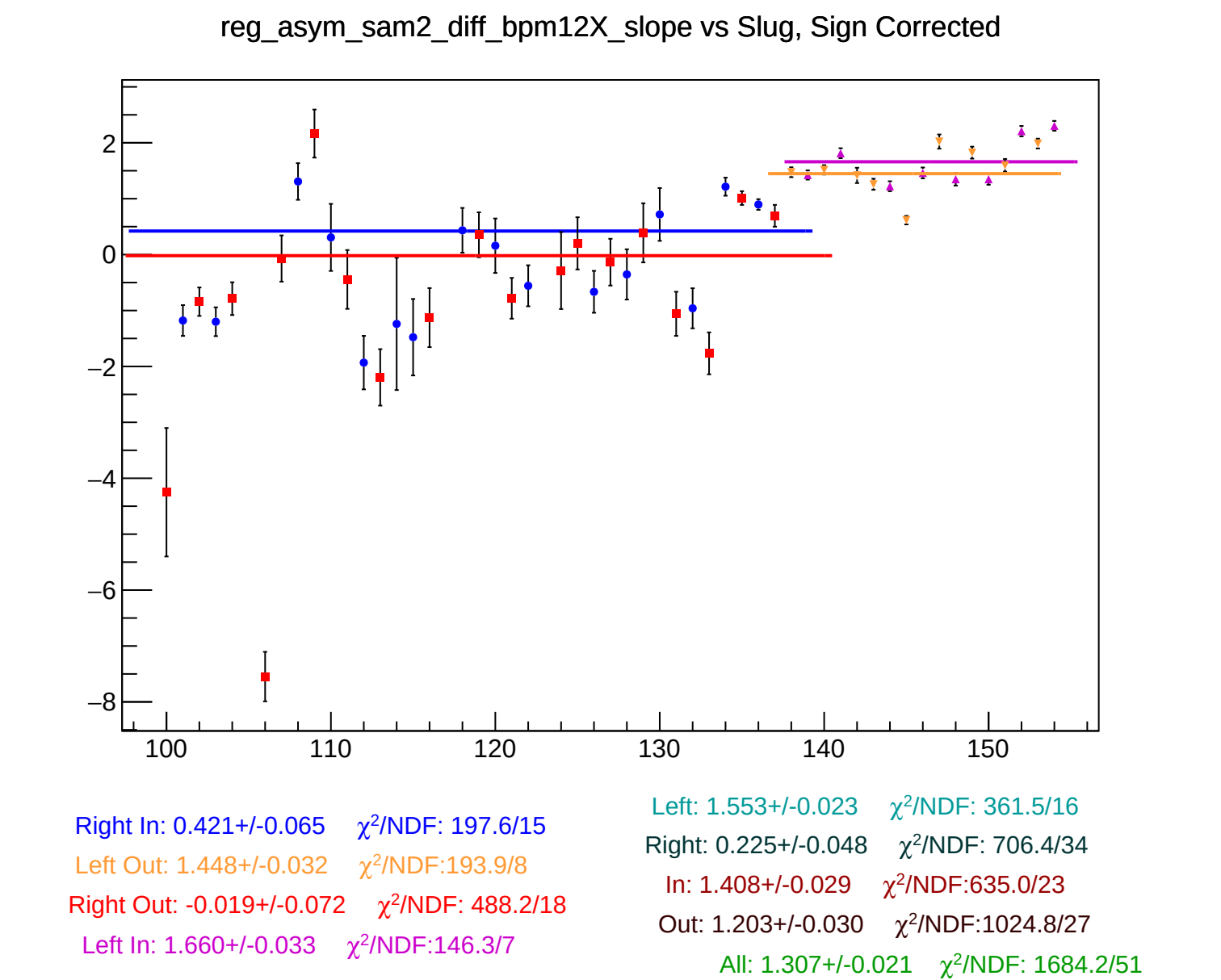
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

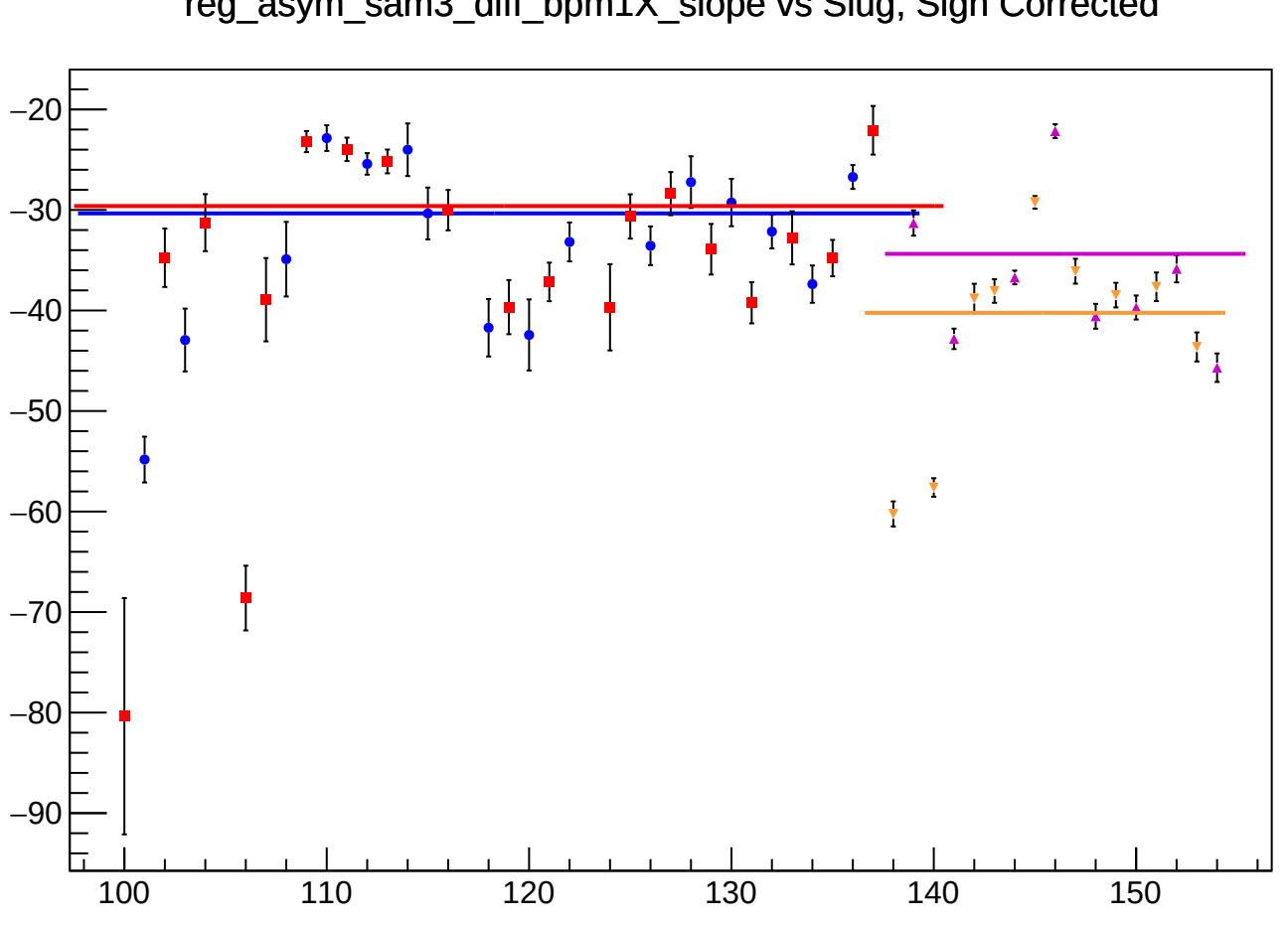
In: -168.628+/-0.680 χ^2/NDF:2762.8/23

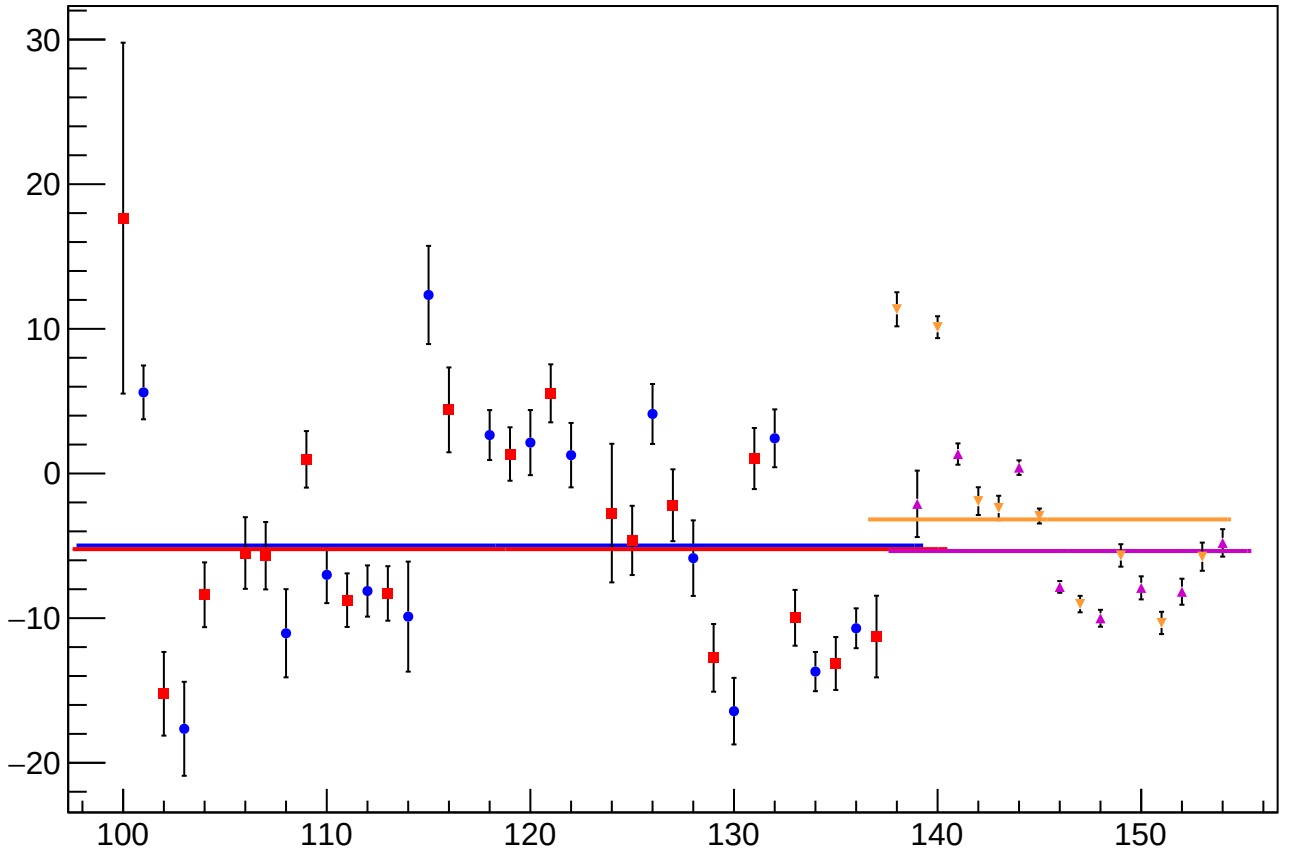
Out: -166.469+/-0.677 χ^2/NDF:2567.7/27

All: -167.544+/-0.480 χ^2/NDF: 5335.5/51


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: -135.291+/-0.711 χ²/NDF:589.2/7
Left: -140.021+/-0.492 χ²/NDF: 892.1/16
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -141.273+/-0.615 χ²/NDF:1686.2/23
Out: -148.147+/-0.606 χ²/NDF:1236.4/27
All: -144.758+/-0.432 χ²/NDF: 2986.0/51


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: 1.660+/-0.033 χ²/NDF:146.3/7
Left: 1.553+/-0.023 χ²/NDF: 361.5/16
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.408+/-0.029 χ²/NDF:635.0/23
Out: 1.203+/-0.030 χ²/NDF:1024.8/27
All: 1.307+/-0.021 χ²/NDF: 1684.2/51


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: -34.367+/-0.348 χ²/NDF:509.3/7
Left: -37.222+/-0.250 χ²/NDF: 1589.5/16
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -32.931+/-0.279 χ²/NDF:810.5/23
Out: -36.124+/-0.280 χ²/NDF:1612.2/27
All: -34.523+/-0.198 χ²/NDF: 2487.8/51



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: -5.358+/-0.230 χ^2/NDF:337.5/7

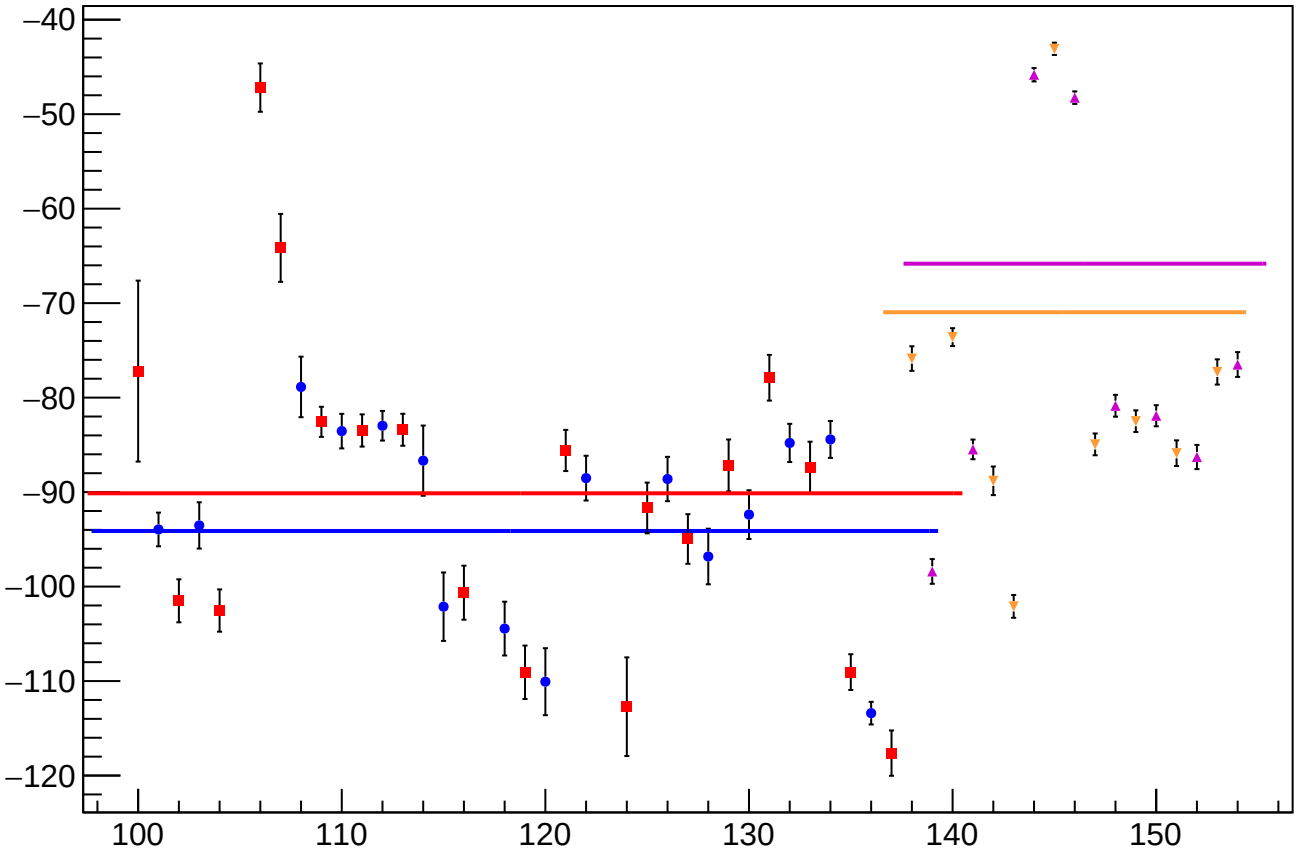
Left: -4.352+/-0.169 χ^2/NDF: 1051.7/16

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -5.294+/-0.209 χ^2/NDF:575.3/23

Out: -3.552+/-0.225 χ^2/NDF:821.6/27

All: -4.484+/-0.153 χ^2/NDF: 1429.1/51



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: -65.823+/-0.343 χ^2/NDF:3174.4/7

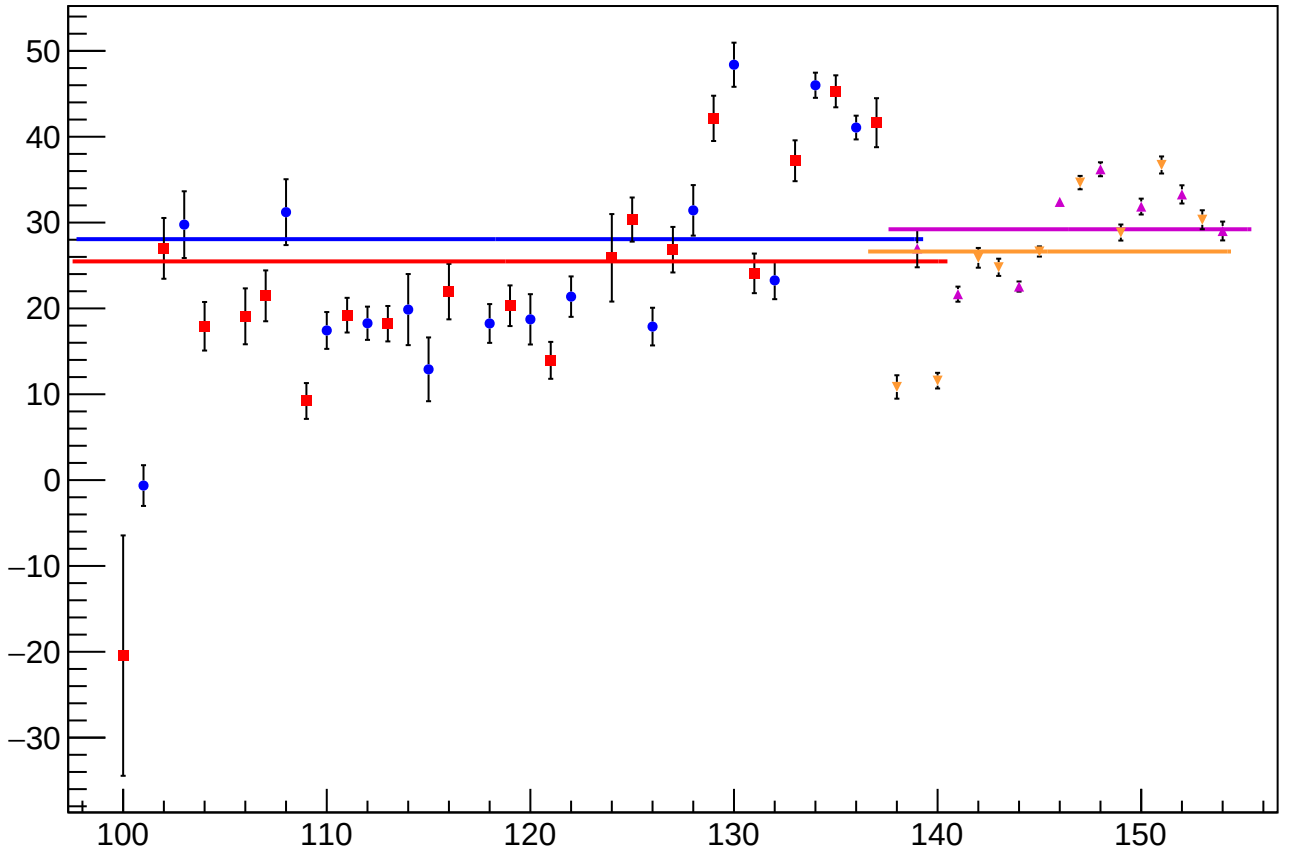
Left: -68.282+/-0.248 χ^2/NDF: 6336.8/16

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -74.011+/-0.289 χ^2/NDF:5613.5/23

Out: -76.768+/-0.299 χ^2/NDF:4712.7/27

All: -75.343+/-0.208 χ^2/NDF: 10370.2/51



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.630+/-0.302 χ^2/NDF:635.1/8

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 29.220+/-0.282 χ^2/NDF:338.6/7

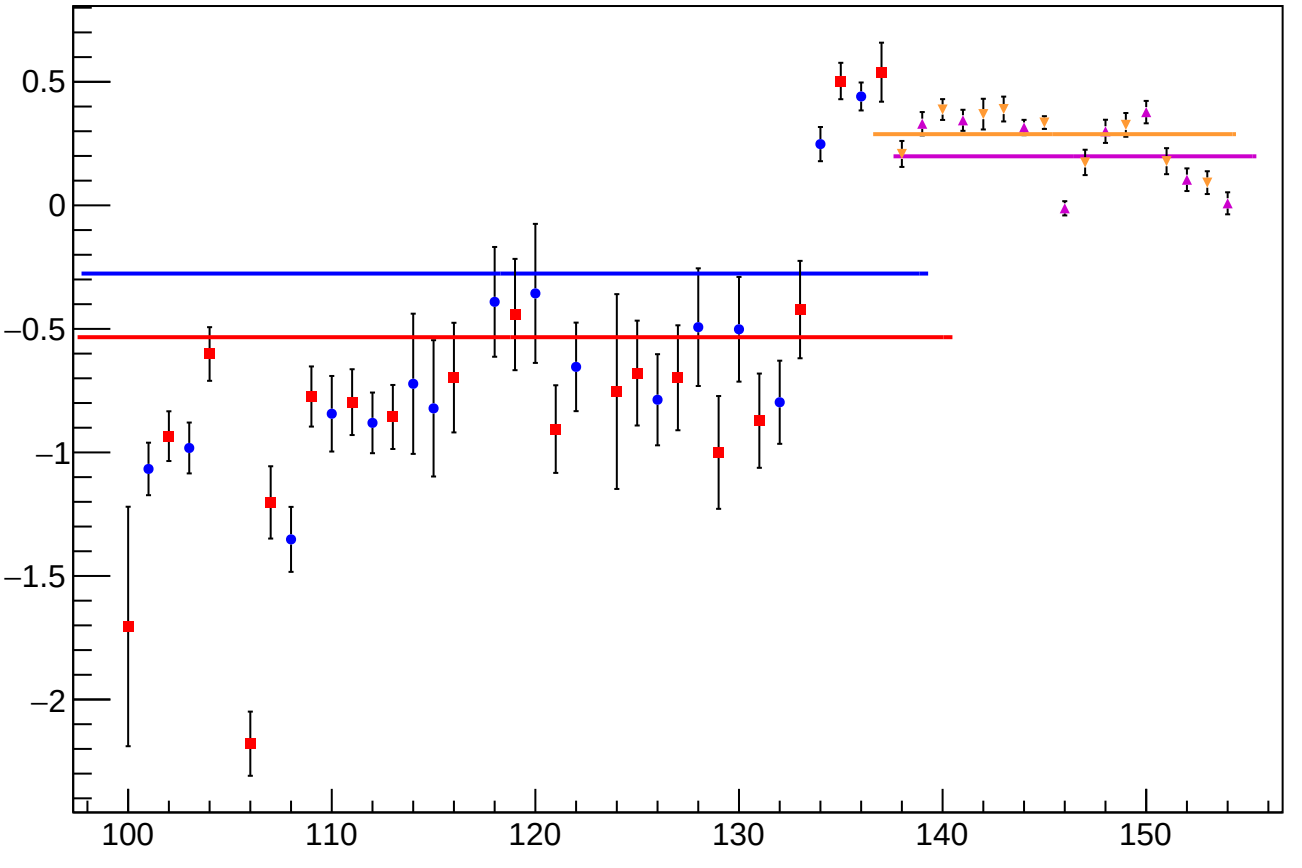
Left: 28.017+/-0.206 χ^2/NDF: 1013.1/16

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.994+/-0.252 χ^2/NDF:925.0/23

Out: 26.391+/-0.269 χ^2/NDF:992.8/27

All: 27.775+/-0.184 χ^2/NDF: 1967.6/51



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: 0.198+/-0.014 χ^2/NDF:129.4/7

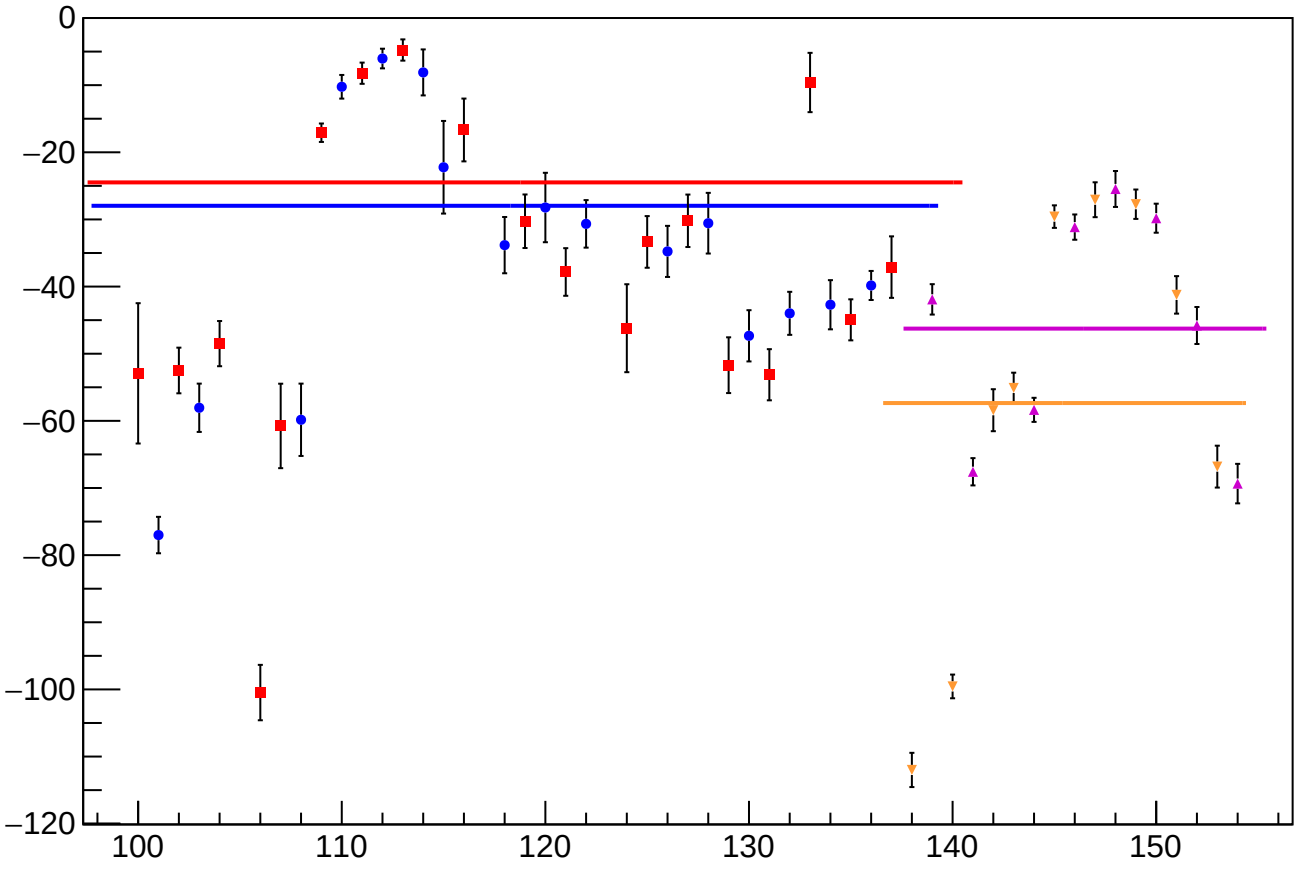
Left: 0.241+/-0.010 χ^2/NDF: 194.2/16

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.117+/-0.013 χ^2/NDF:783.9/23

Out: 0.153+/-0.013 χ^2/NDF:1078.4/27

All: 0.134+/-0.009 χ^2/NDF: 1866.1/51



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: -46.261+/-0.783 χ^2/NDF:403.7/7

Left: -51.939+/-0.547 χ^2/NDF: 2173.3/16

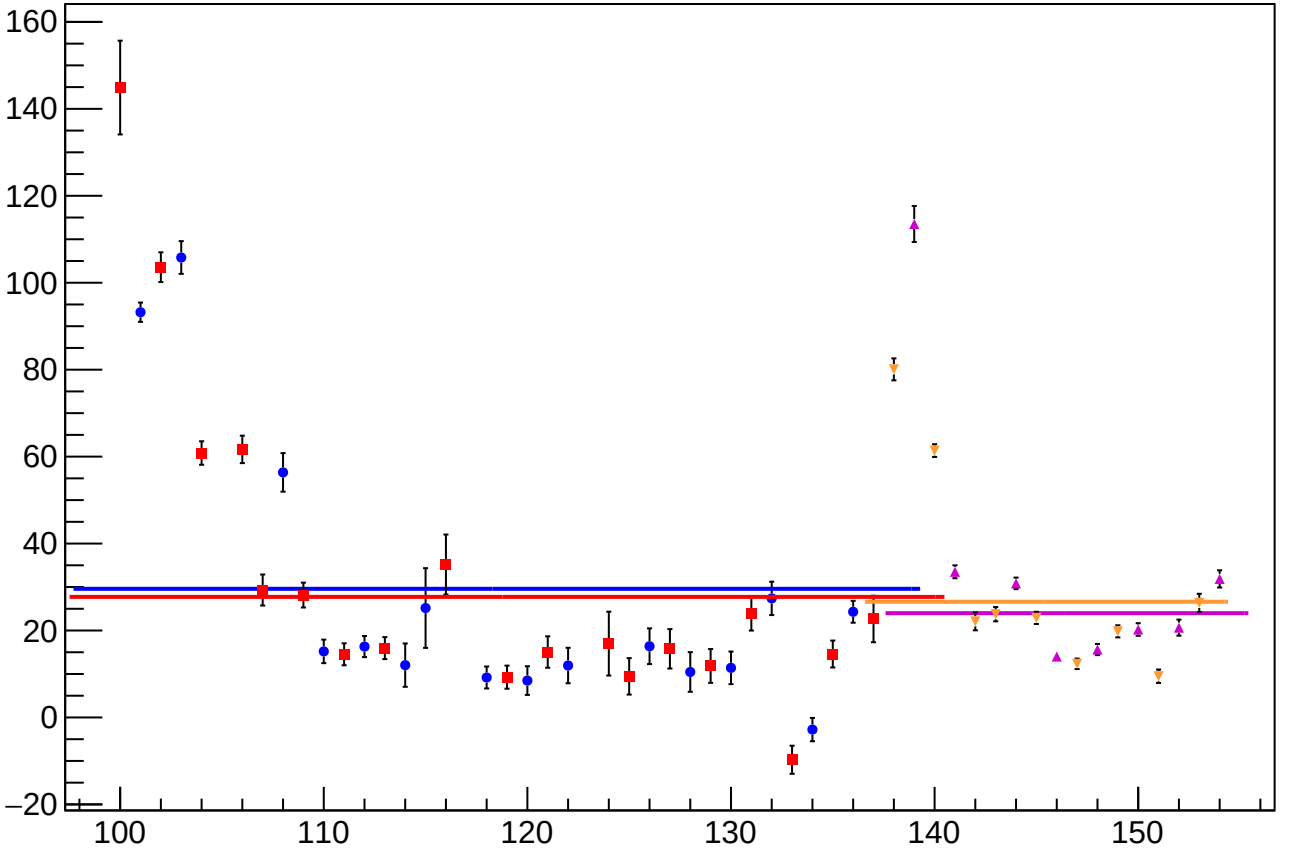
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -36.445+/-0.533 χ^2/NDF:1591.3/23

Out: -38.597+/-0.501 χ^2/NDF:3712.1/27

All: -37.588+/-0.365 χ^2/NDF: 5312.0/51

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 23.990+/-0.537 χ^2/NDF:678.9/7

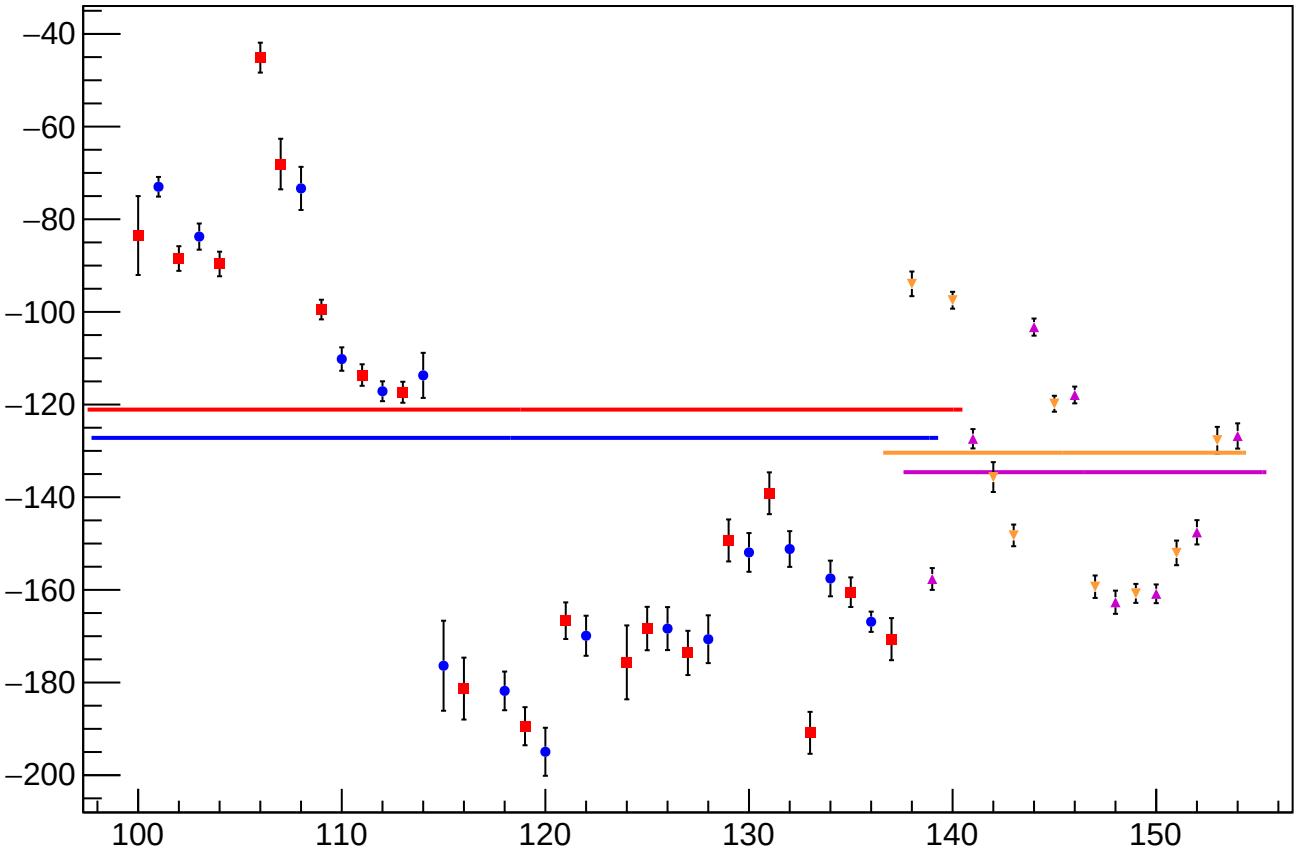
Left: 25.324+/-0.377 χ^2/NDF: 2002.8/16

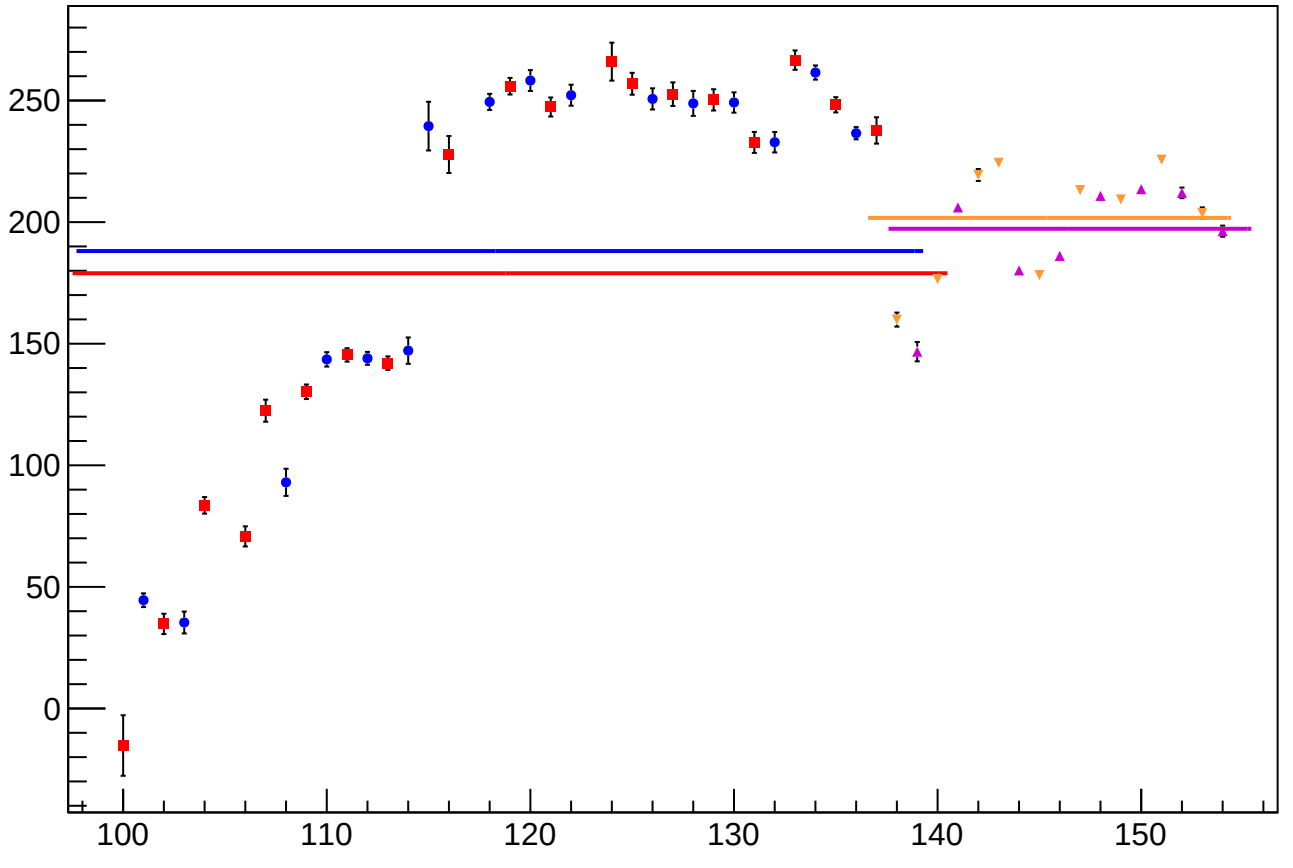
Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 25.707+/-0.447 χ^2/NDF:2378.1/23

Out: 26.959+/-0.440 χ^2/NDF:2498.1/27

All: 26.342+/-0.314 χ^2/NDF: 4880.1/51


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
−160
−180
−200
100
110
120
130
140
150
Right In: -127.190+/-0.829 χ²/NDF: 2178.2/15
Left Out: -130.395+/-0.760 χ²/NDF:1044.6/8
Right Out: -121.086+/-0.798 χ²/NDF: 2397.3/18
Left In: -134.596+/-0.769 χ²/NDF:806.7/7
Left: -132.471+/-0.540 χ²/NDF: 1866.4/16
Right: -124.019+/-0.575 χ²/NDF: 4603.6/34
In: -131.173+/-0.564 χ²/NDF:3027.7/23
Out: -125.966+/-0.550 χ²/NDF:3513.3/27
All: -128.506+/-0.394 χ²/NDF: 6584.7/51



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: 197.274+/-0.649 χ^2/NDF:568.2/7

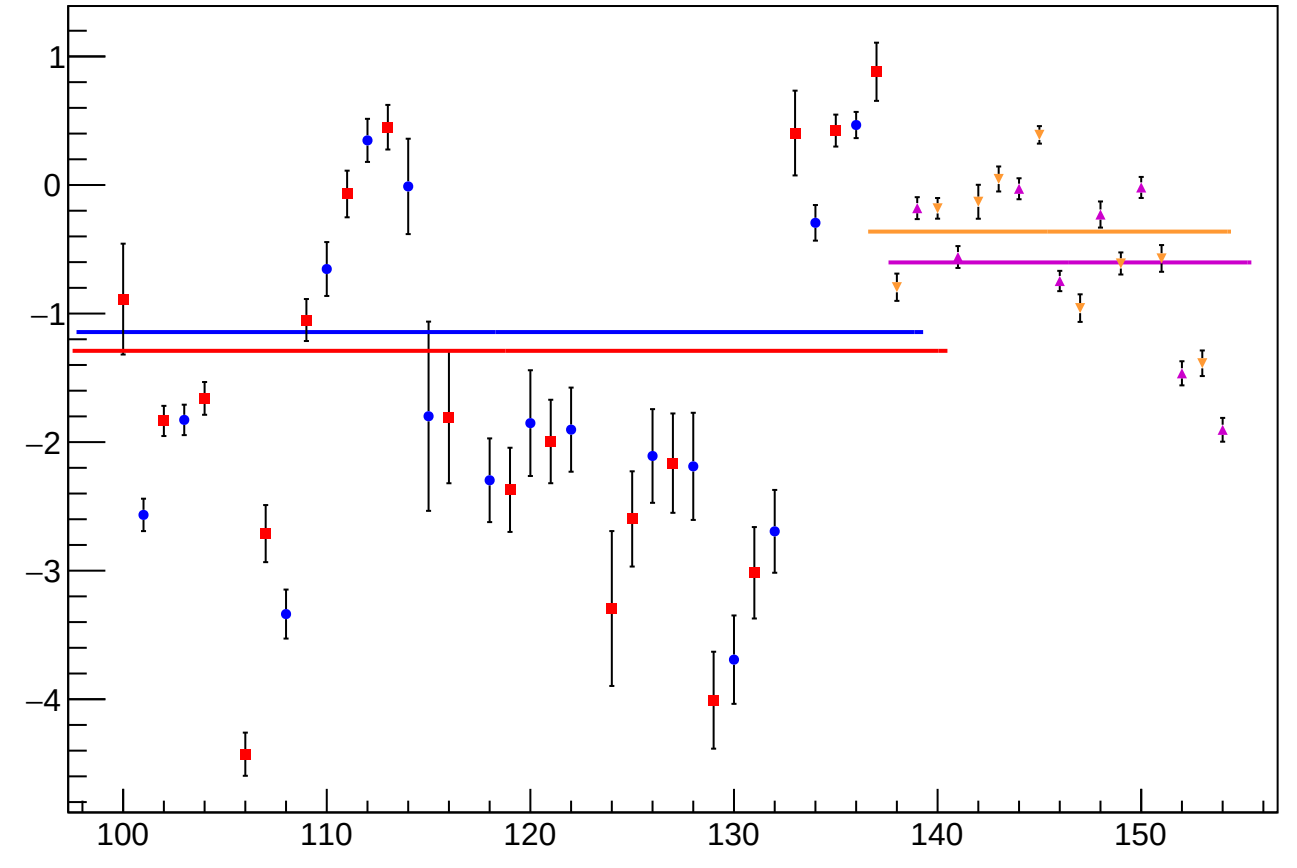
Left: 199.527+/-0.457 χ^2/NDF: 1626.0/16

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 194.217+/-0.530 χ^2/NDF:7753.3/23

Out: 194.136+/-0.525 χ^2/NDF:8121.5/27

All: 194.176+/-0.373 χ^2/NDF: 15874.8/51



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: -0.602+/-0.031 χ^2/NDF:424.1/7

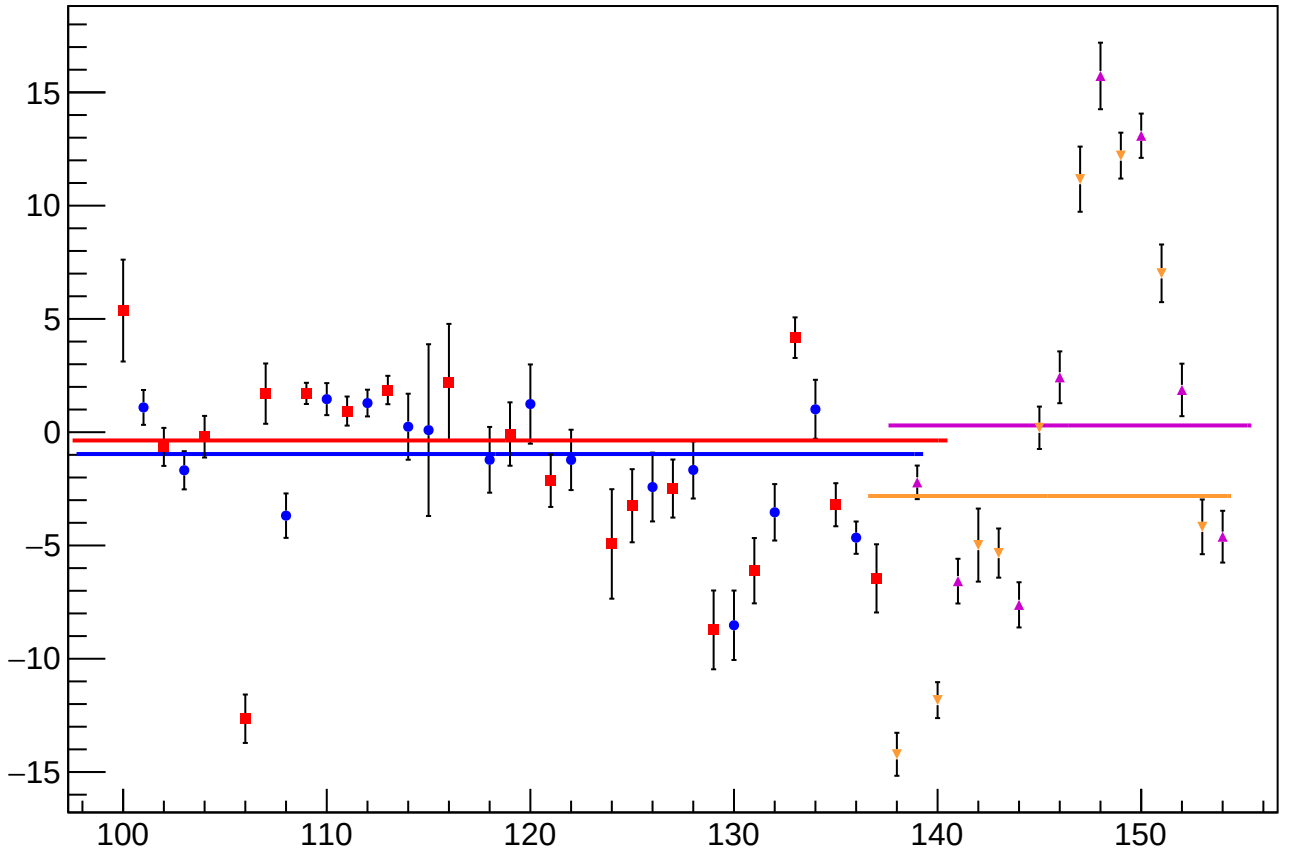
Left: -0.484+/-0.022 χ^2/NDF: 767.7/16

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.759+/-0.026 χ^2/NDF:1301.8/23

Out: -0.640+/-0.026 χ^2/NDF:1579.3/27

All: -0.700+/-0.018 χ^2/NDF: 2891.6/51



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: 0.298+/-0.362 χ^2/NDF:428.5/7

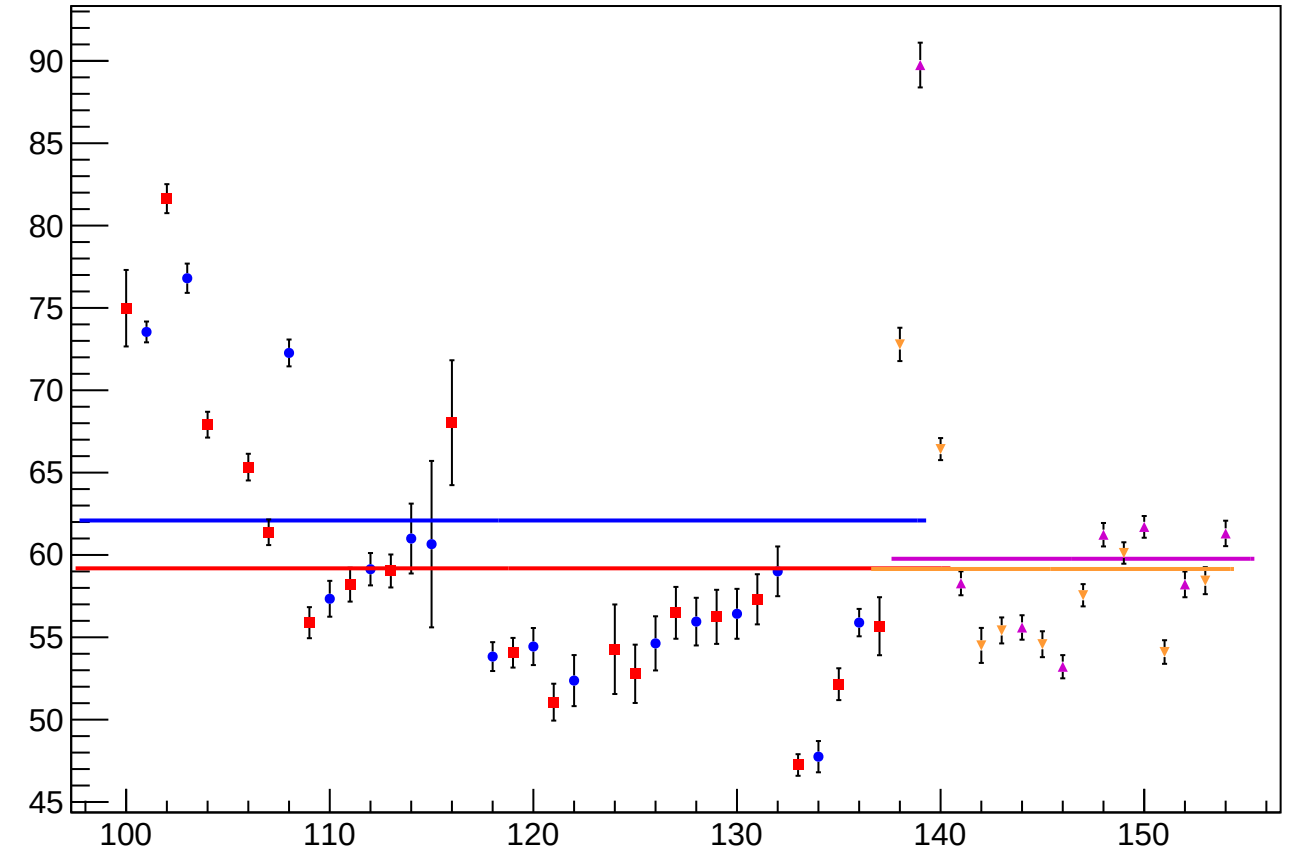
Left: -1.279+/-0.254 χ^2/NDF: 1132.2/16

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.549+/-0.207 χ^2/NDF:539.8/23

Out: -1.056+/-0.190 χ^2/NDF:980.6/27

All: -0.825+/-0.140 χ^2/NDF: 1523.6/51



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: 59.769+/-0.269 χ^2/NDF:629.6/7

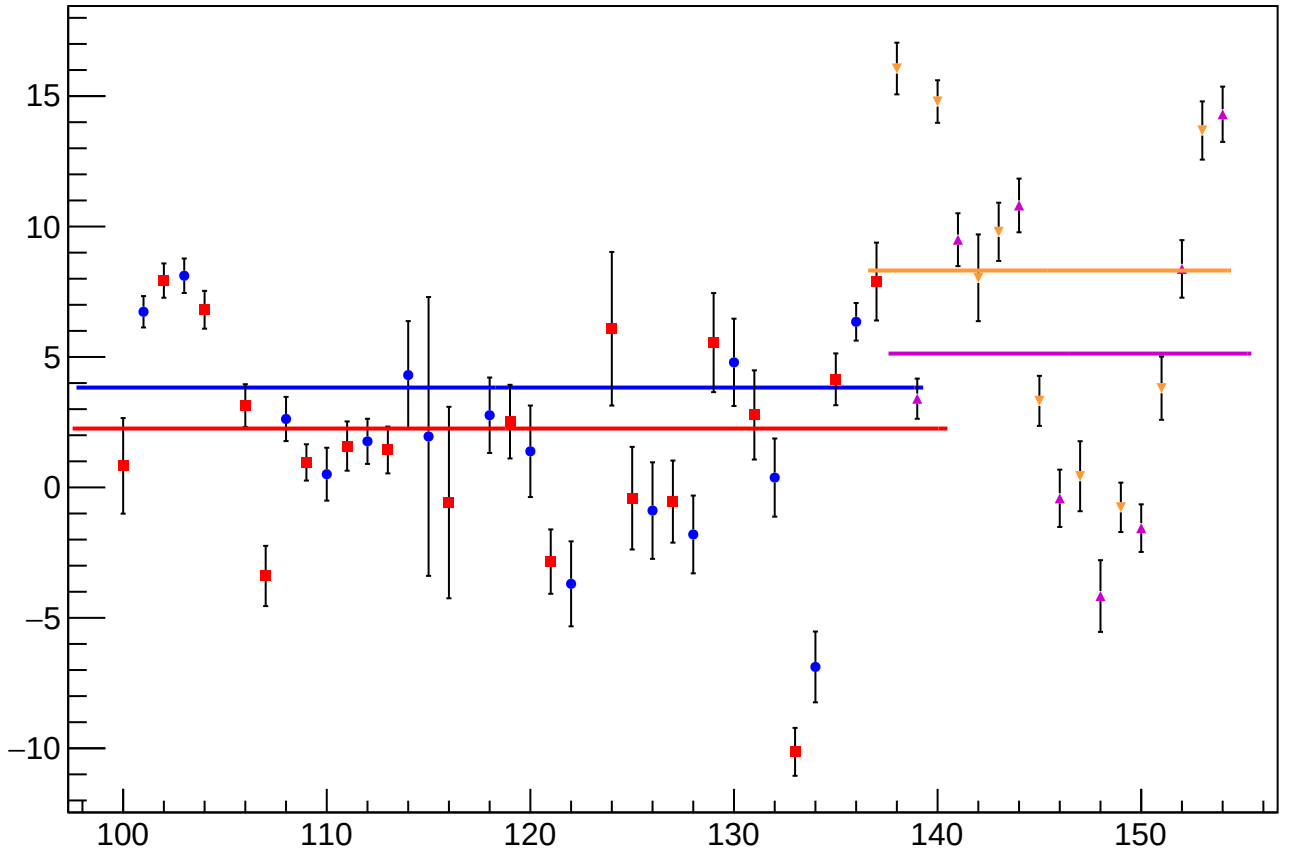
Left: 59.443+/-0.185 χ^2/NDF: 1065.4/16

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 60.946+/-0.189 χ^2/NDF:1968.8/23

Out: 59.169+/-0.176 χ^2/NDF:1835.1/27

All: 59.997+/-0.129 χ^2/NDF: 3851.2/51



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: 5.130+/-0.356 χ^2/NDF:262.6/7

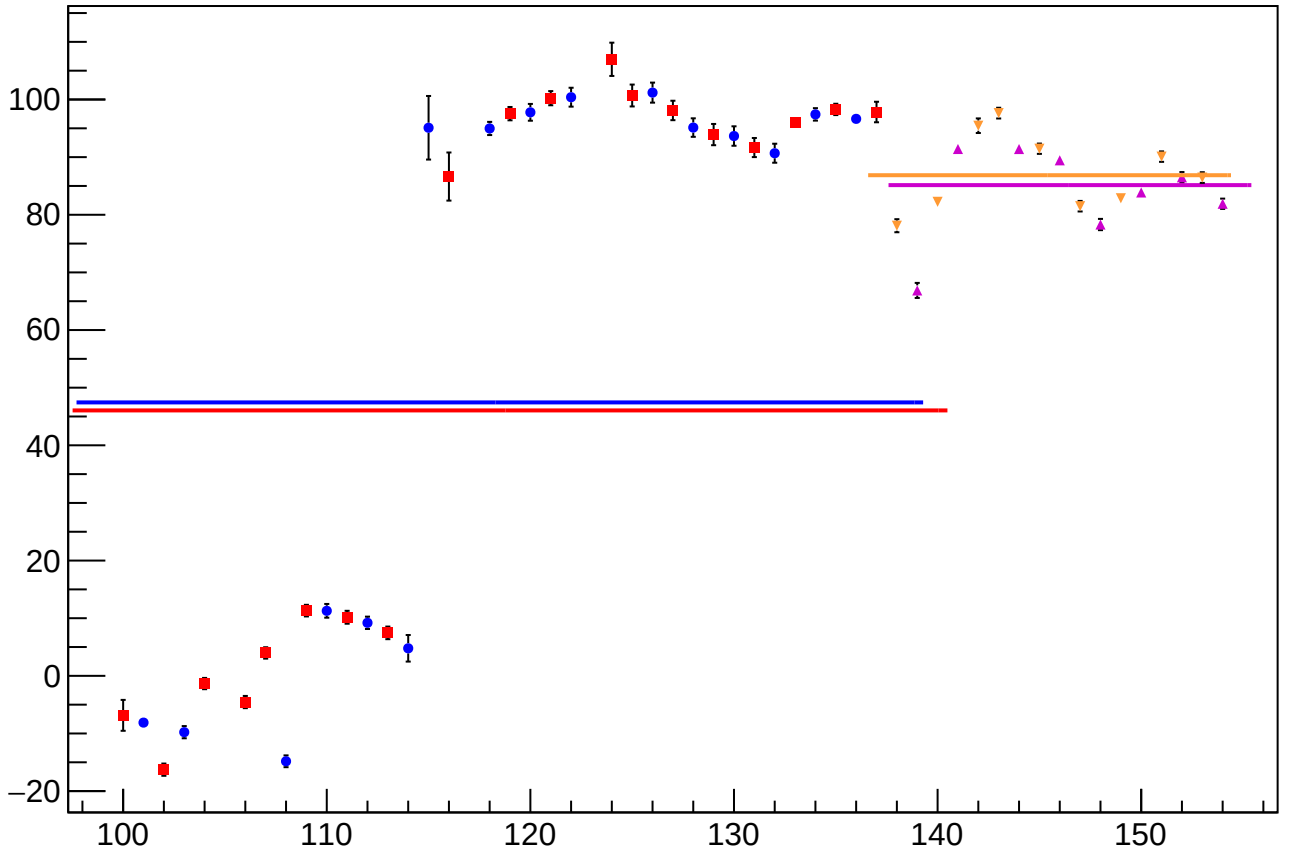
Left: 6.728+/-0.252 χ^2/NDF: 619.1/16

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 4.292+/-0.213 χ^2/NDF:479.8/23

Out: 4.225+/-0.202 χ^2/NDF:884.7/27

All: 4.257+/-0.147 χ^2/NDF: 1364.6/51



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: 85.144+/-0.319 χ^2/NDF:392.9/7

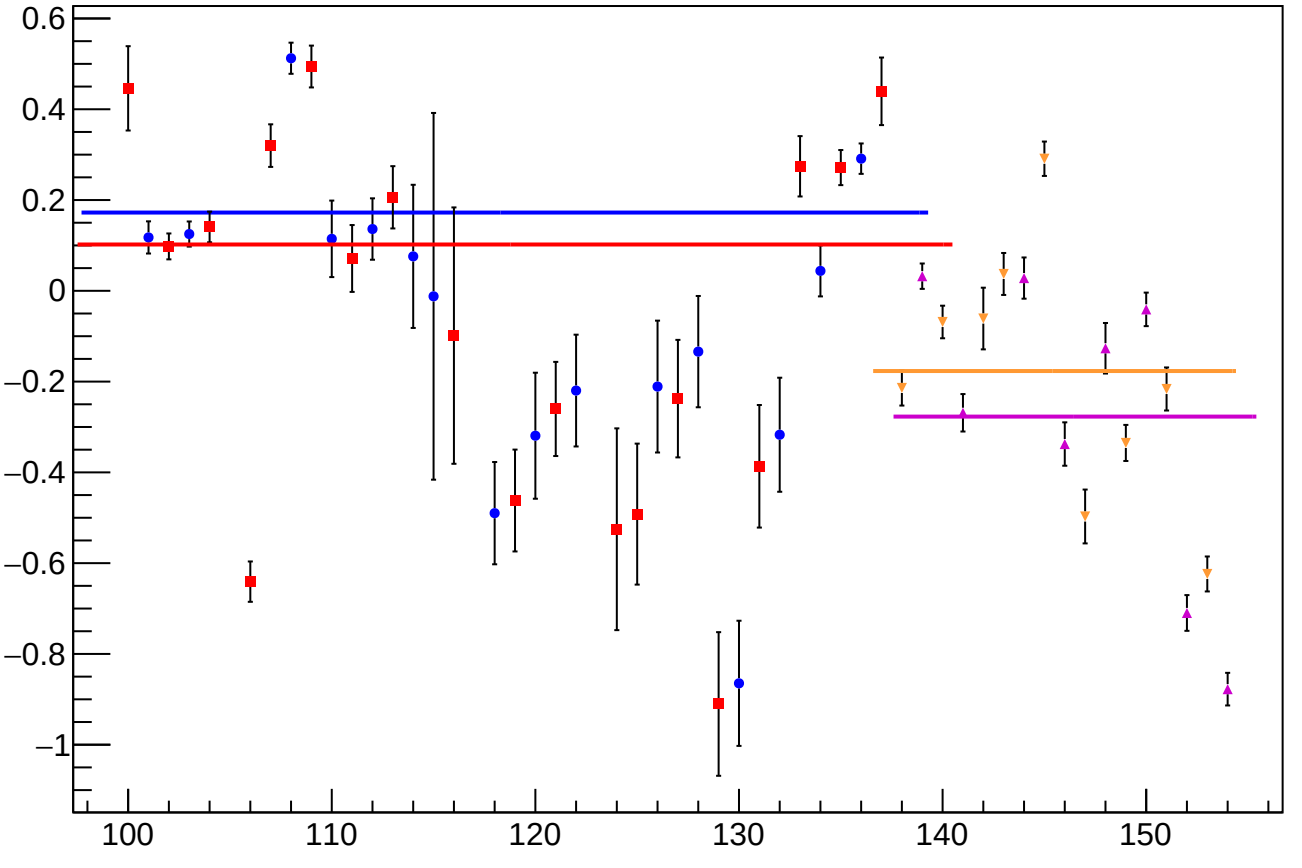
Left: 86.035+/-0.221 χ^2/NDF: 780.5/16

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 65.629+/-0.222 χ^2/NDF:34504.8/23

Out: 64.865+/-0.209 χ^2/NDF:38759.9/27

All: 65.225+/-0.152 χ^2/NDF: 73271.0/51



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: -0.277+/-0.014 χ^2/NDF:617.5/7

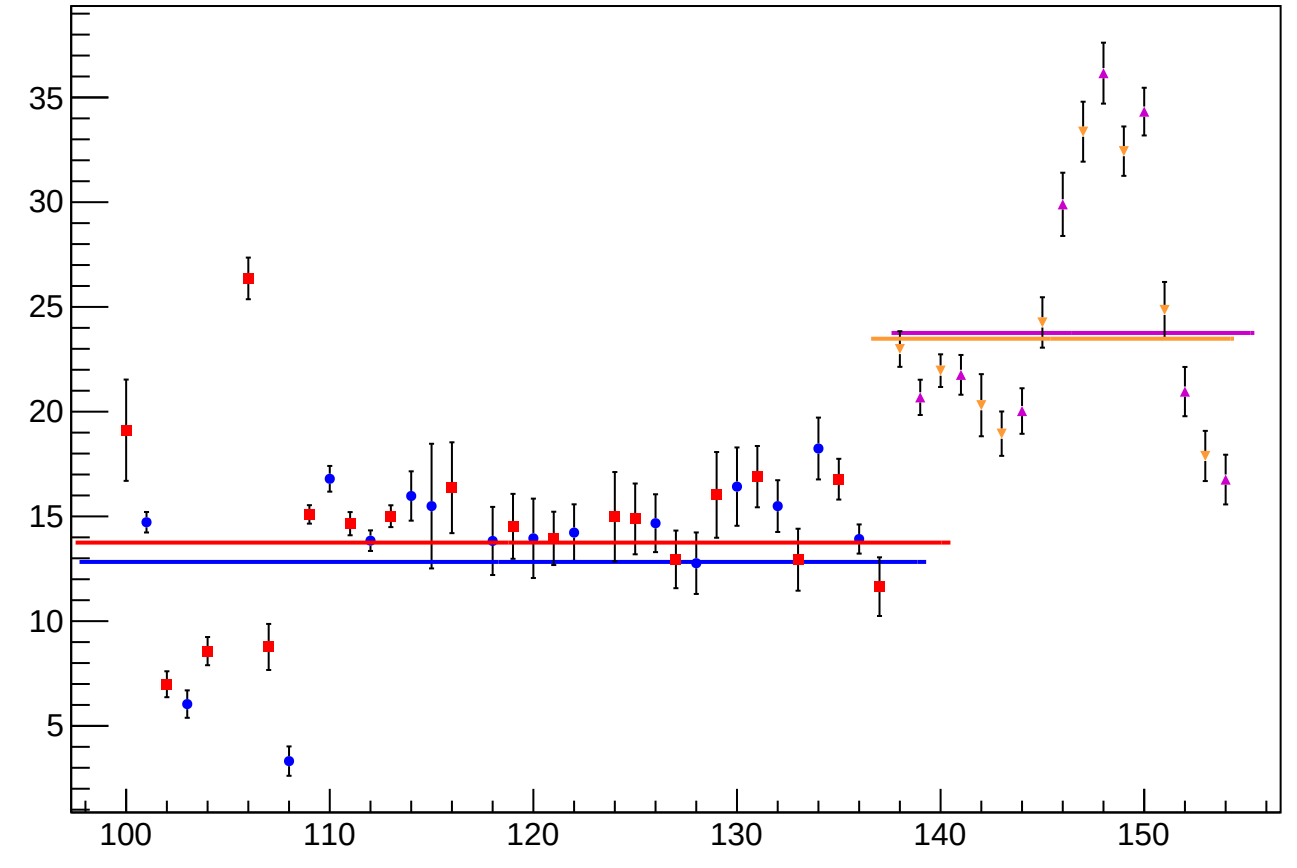
Left: -0.229+/-0.010 χ^2/NDF: 1010.2/16

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.058+/-0.010 χ^2/NDF:1400.4/23

Out: -0.028+/-0.010 χ^2/NDF:1126.9/27

All: -0.043+/-0.007 χ^2/NDF: 2532.0/51



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: 23.757+/-0.393 χ^2/NDF:245.3/7

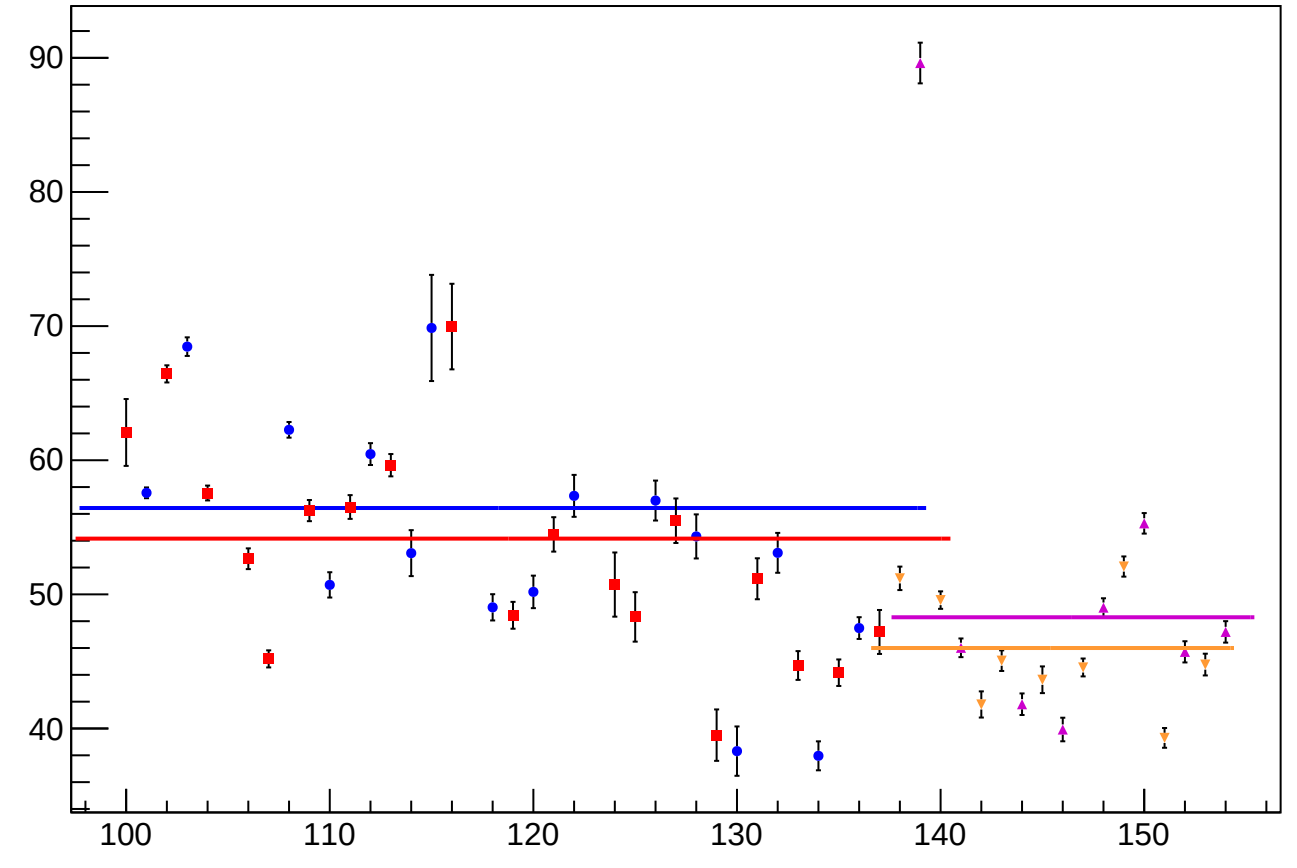
Left: 23.610+/-0.267 χ^2/NDF: 401.3/16

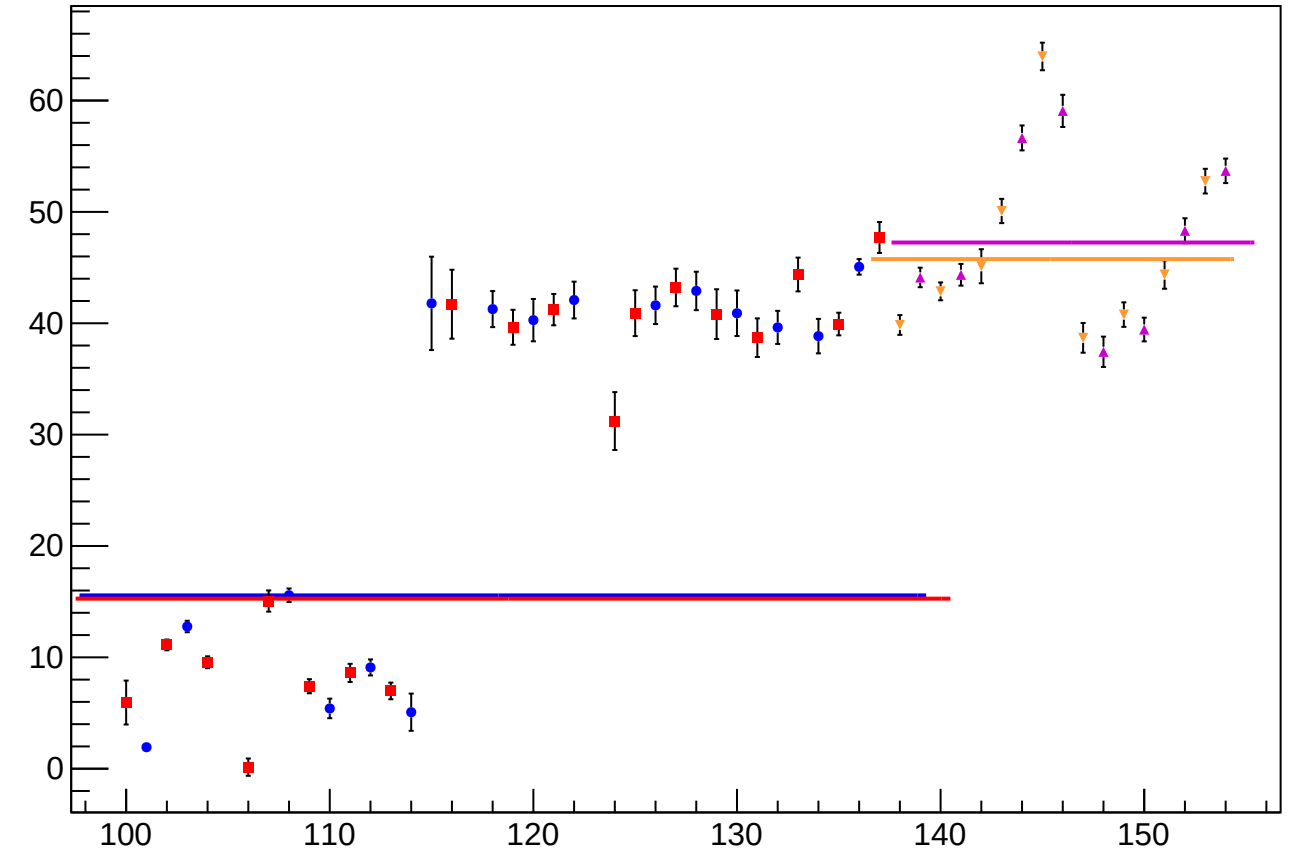
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.330+/-0.188 χ^2/NDF:1230.4/23

Out: 16.074+/-0.178 χ^2/NDF:1102.5/27

All: 15.722+/-0.129 χ^2/NDF: 2341.1/51


reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 56.438+/-0.222 χ²/NDF: 1088.0/15
Left Out: 46.000+/-0.260 χ²/NDF:246.0/8
Right Out: 54.156+/-0.225 χ²/NDF: 1006.6/18
Left In: 48.292+/-0.285 χ²/NDF:1005.6/7
Left: 47.039+/-0.192 χ²/NDF: 1286.9/16
Right: 55.311+/-0.158 χ²/NDF: 2146.9/34
In: 53.371+/-0.175 χ²/NDF:2601.4/23
Out: 50.672+/-0.170 χ²/NDF:1816.4/27
All: 51.981+/-0.122 χ²/NDF: 4540.1/51



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: 47.251+/-0.387 χ^2/NDF:300.1/7

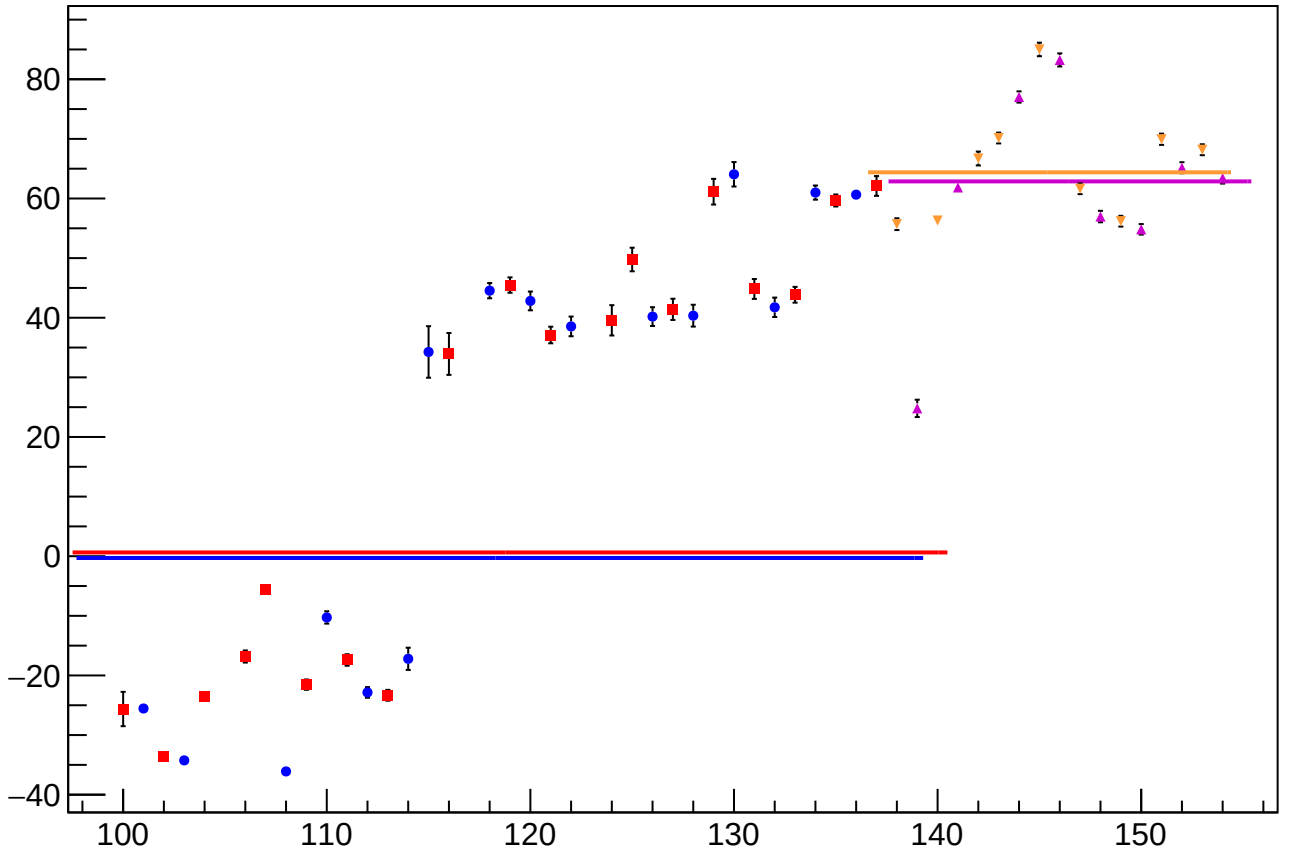
Left: 46.460+/-0.265 χ^2/NDF: 686.8/16

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 22.982+/-0.187 χ^2/NDF:10611.5/23

Out: 23.393+/-0.188 χ^2/NDF:9408.5/27

All: 23.187+/-0.133 χ^2/NDF: 20022.4/51



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: 62.868+/-0.341 χ^2/NDF:1382.1/7

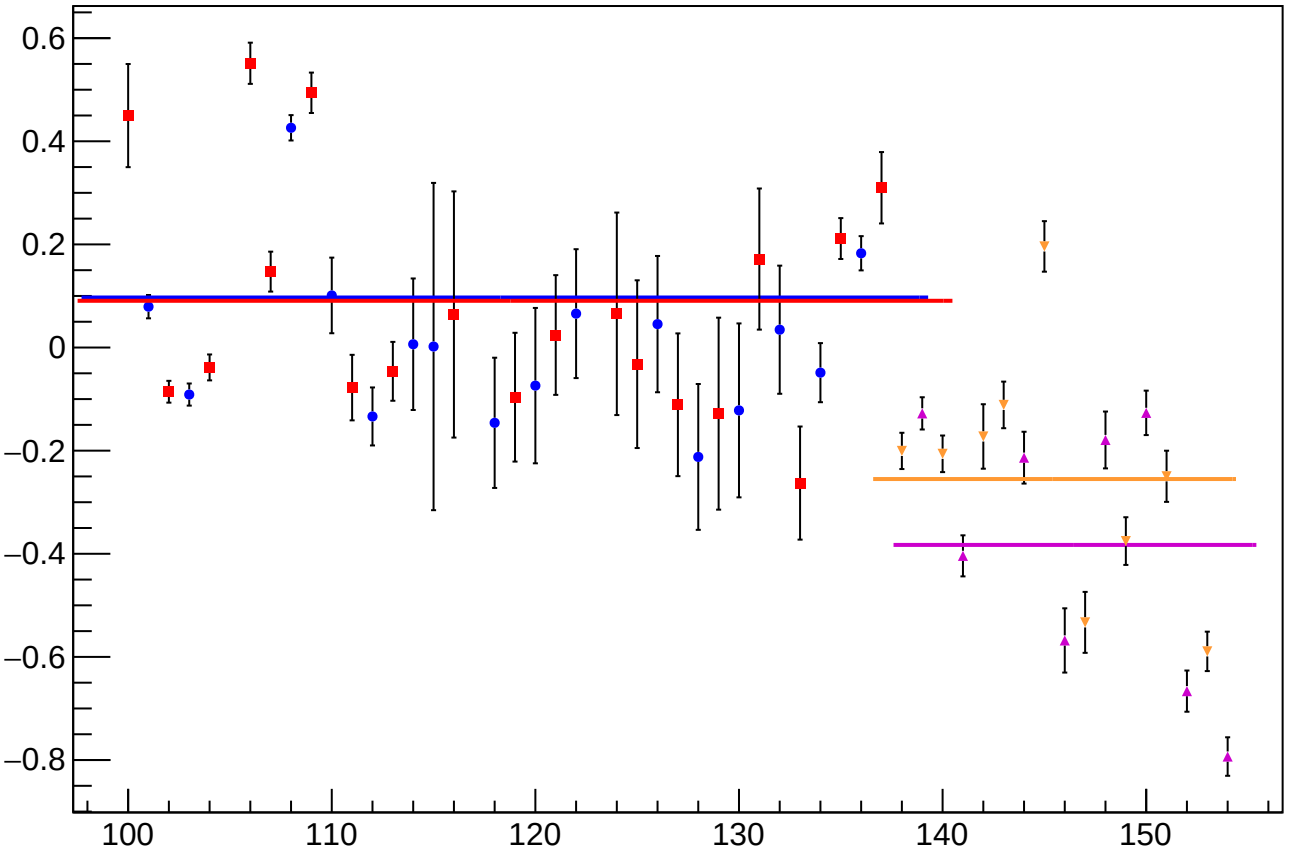
Left: 63.693+/-0.231 χ^2/NDF: 2092.9/16

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 23.044+/-0.208 χ^2/NDF:43988.4/23

Out: 26.970+/-0.202 χ^2/NDF:40892.7/27

All: 25.061+/-0.145 χ^2/NDF: 85064.8/51



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.255+/-0.015 χ^2/NDF:206.3/8

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.383+/-0.015 χ^2/NDF:307.1/7

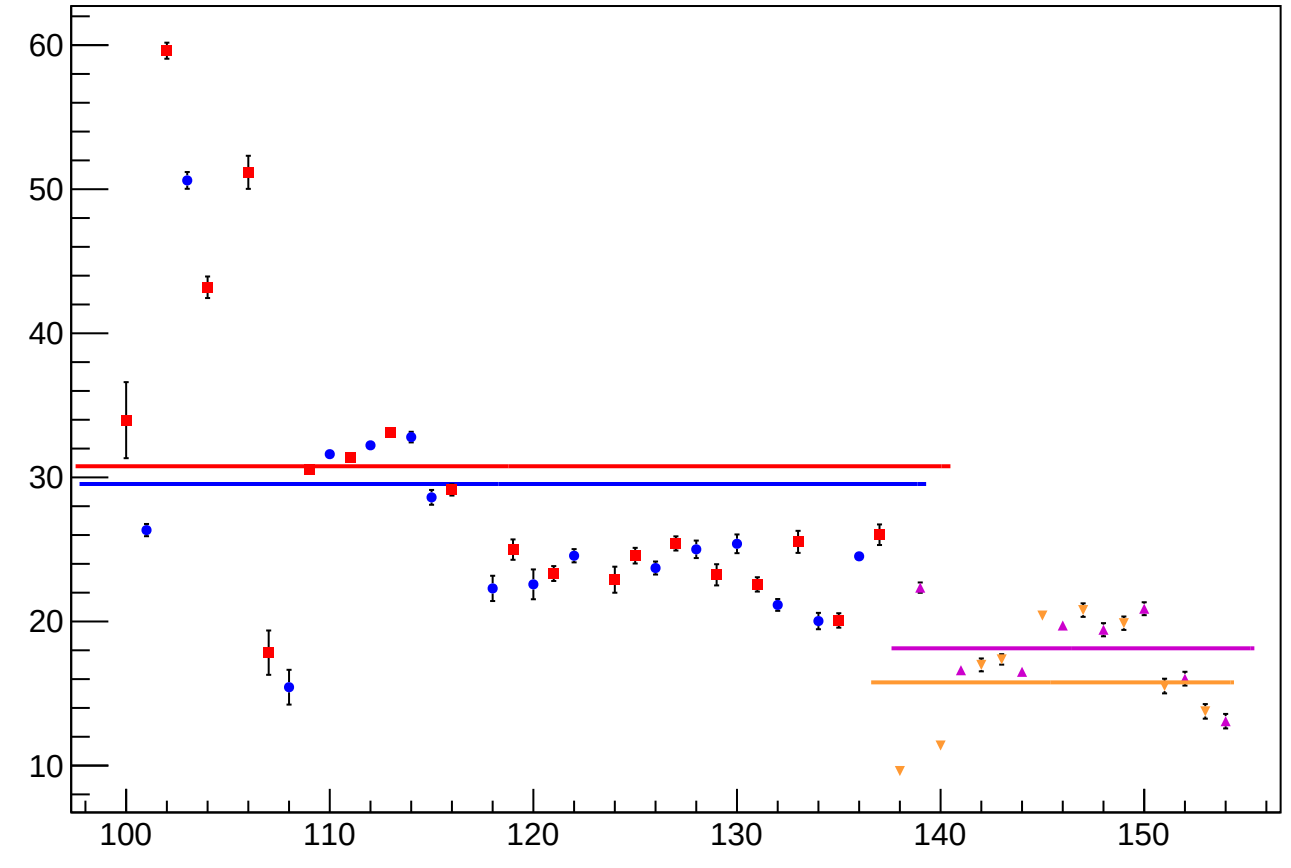
Left: -0.318+/-0.010 χ^2/NDF: 550.6/16

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.077+/-0.009 χ^2/NDF:1269.4/23

Out: -0.039+/-0.009 χ^2/NDF:950.3/27

All: -0.058+/-0.006 χ^2/NDF: 2228.7/51



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: 18.138+/-0.132 χ^2/NDF:383.8/7

Left: 16.881+/-0.090 χ^2/NDF: 1679.5/16

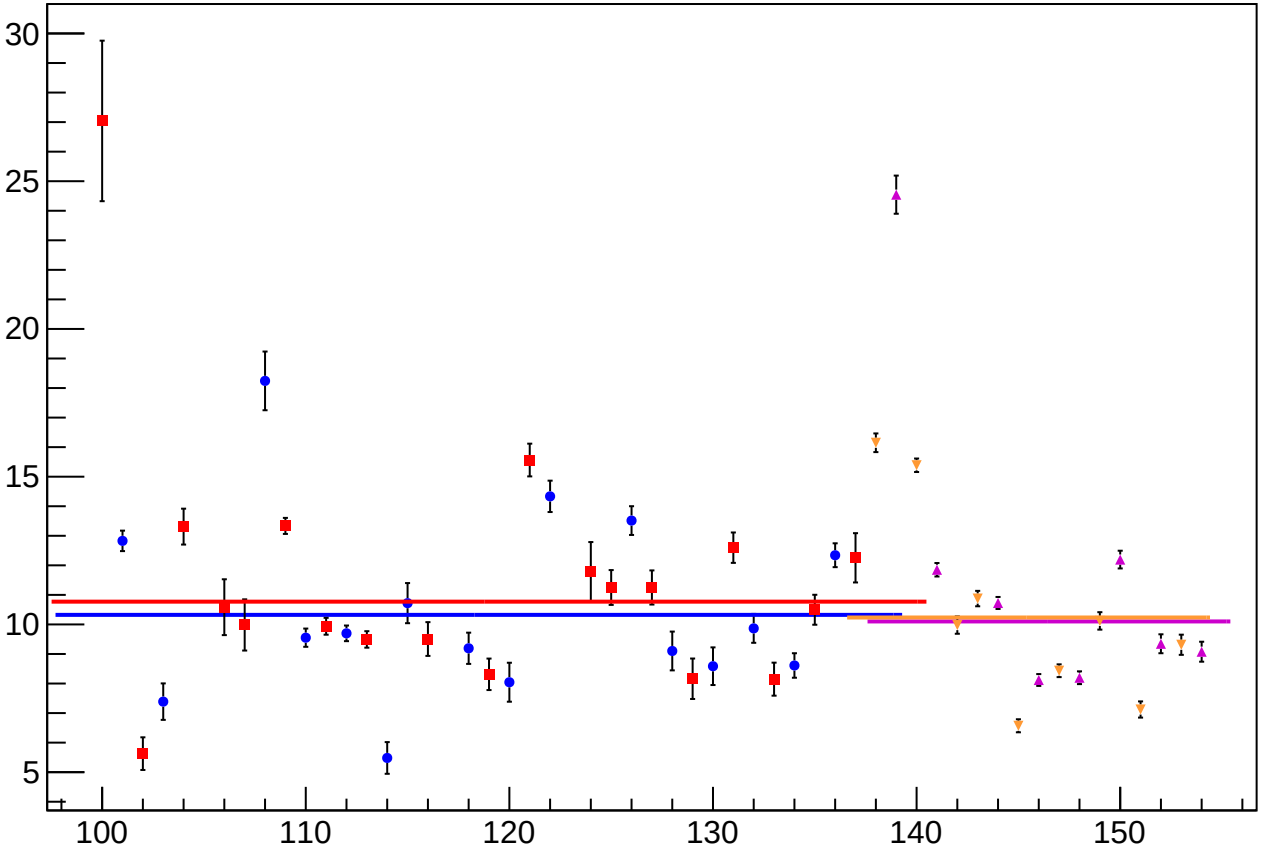
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 25.812+/-0.075 χ^2/NDF:8786.1/23

Out: 26.342+/-0.067 χ^2/NDF:16551.9/27

All: 26.107+/-0.050 χ^2/NDF: 25365.4/51

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.235+/-0.087 χ^2/NDF:1348.6/8

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.101+/-0.091 χ^2/NDF:808.1/7

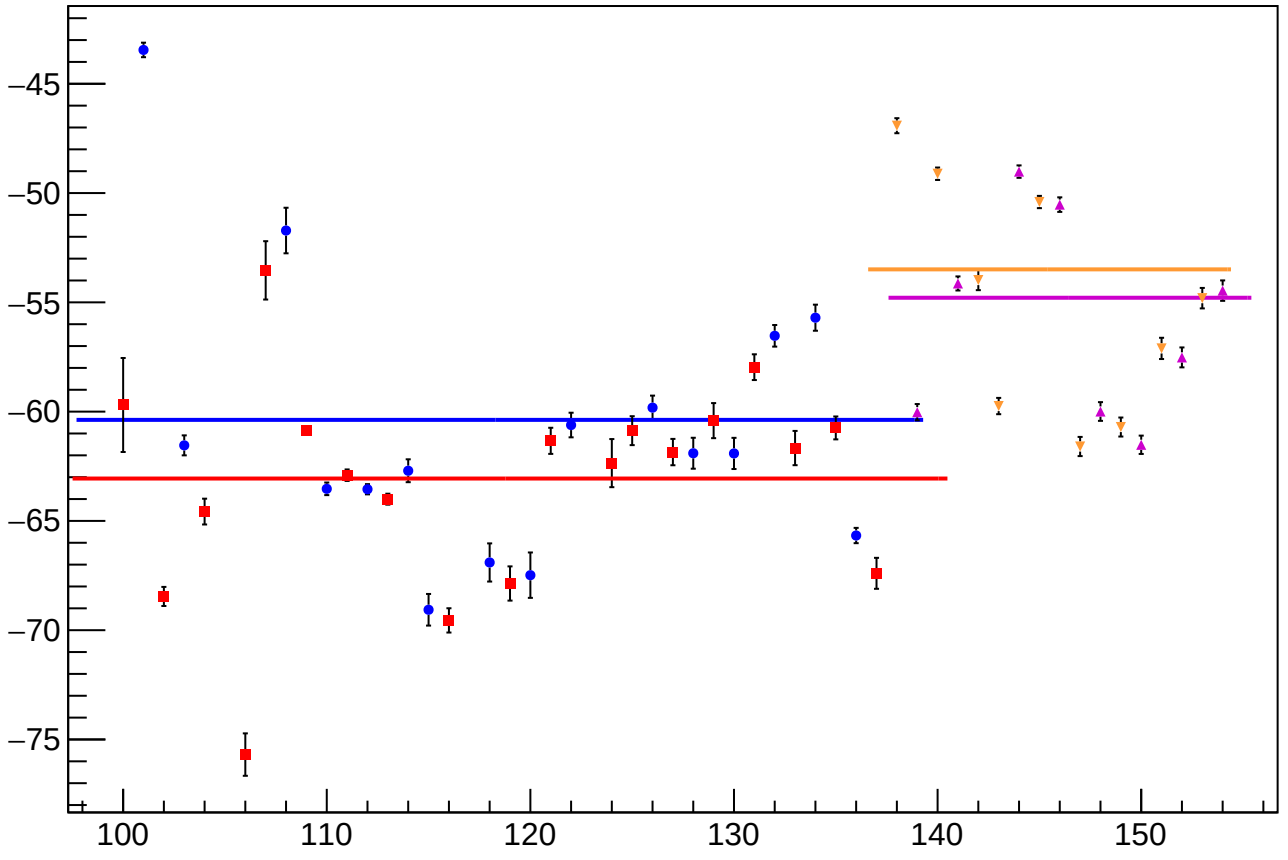
Left: 10.170+/-0.063 χ^2/NDF: 2157.8/16

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.187+/-0.071 χ^2/NDF:1213.0/23

Out: 10.436+/-0.069 χ^2/NDF:1778.5/27

All: 10.315+/-0.050 χ^2/NDF: 2997.8/51



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.491+/-0.124 χ^2/NDF:1684.0/8

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -54.790+/-0.130 χ^2/NDF:1218.8/7

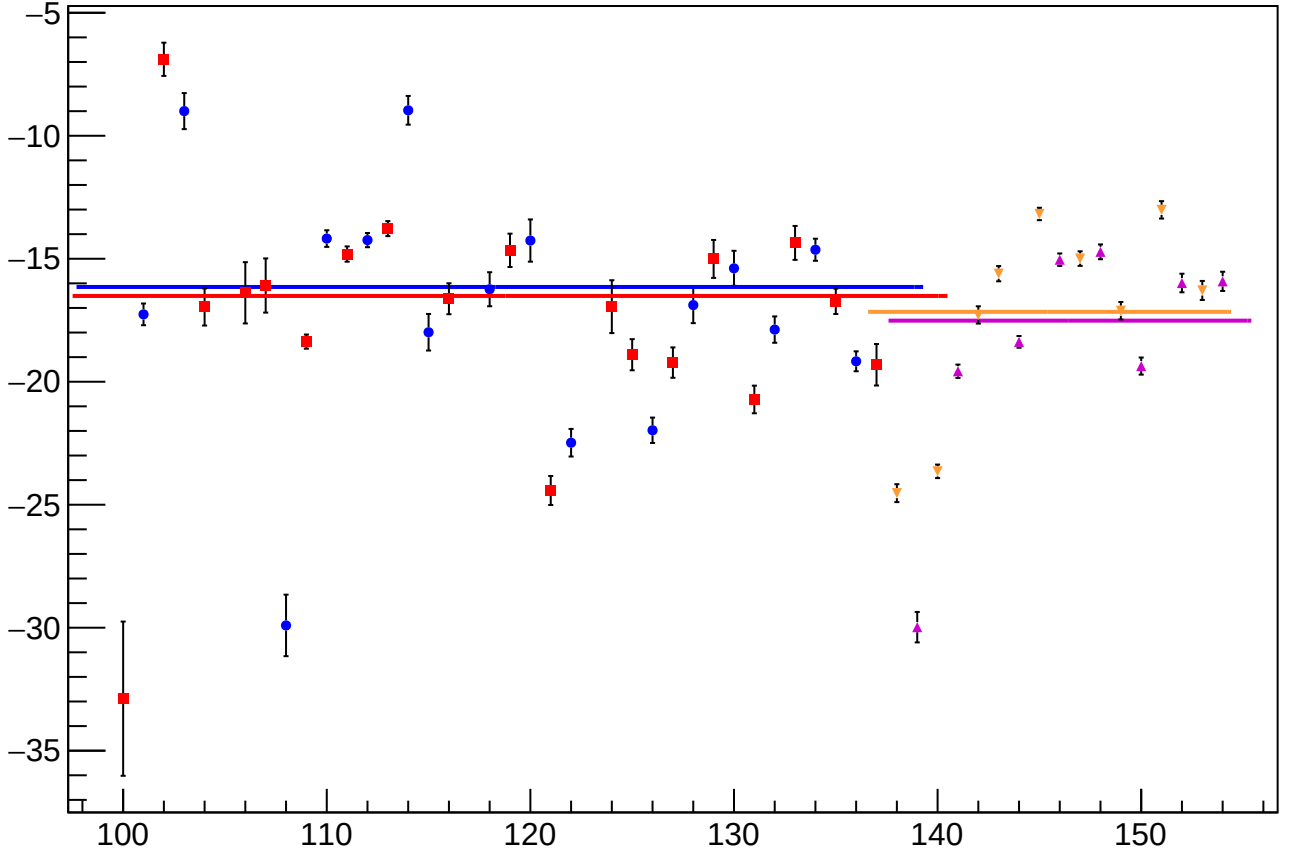
Left: -54.110+/-0.090 χ^2/NDF: 2954.7/16

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.982+/-0.085 χ^2/NDF:5864.7/23

Out: -58.980+/-0.081 χ^2/NDF:5923.5/27

All: -58.506+/-0.059 χ^2/NDF: 11859.9/51



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: -17.516+/-0.110 χ^2/NDF:719.0/7

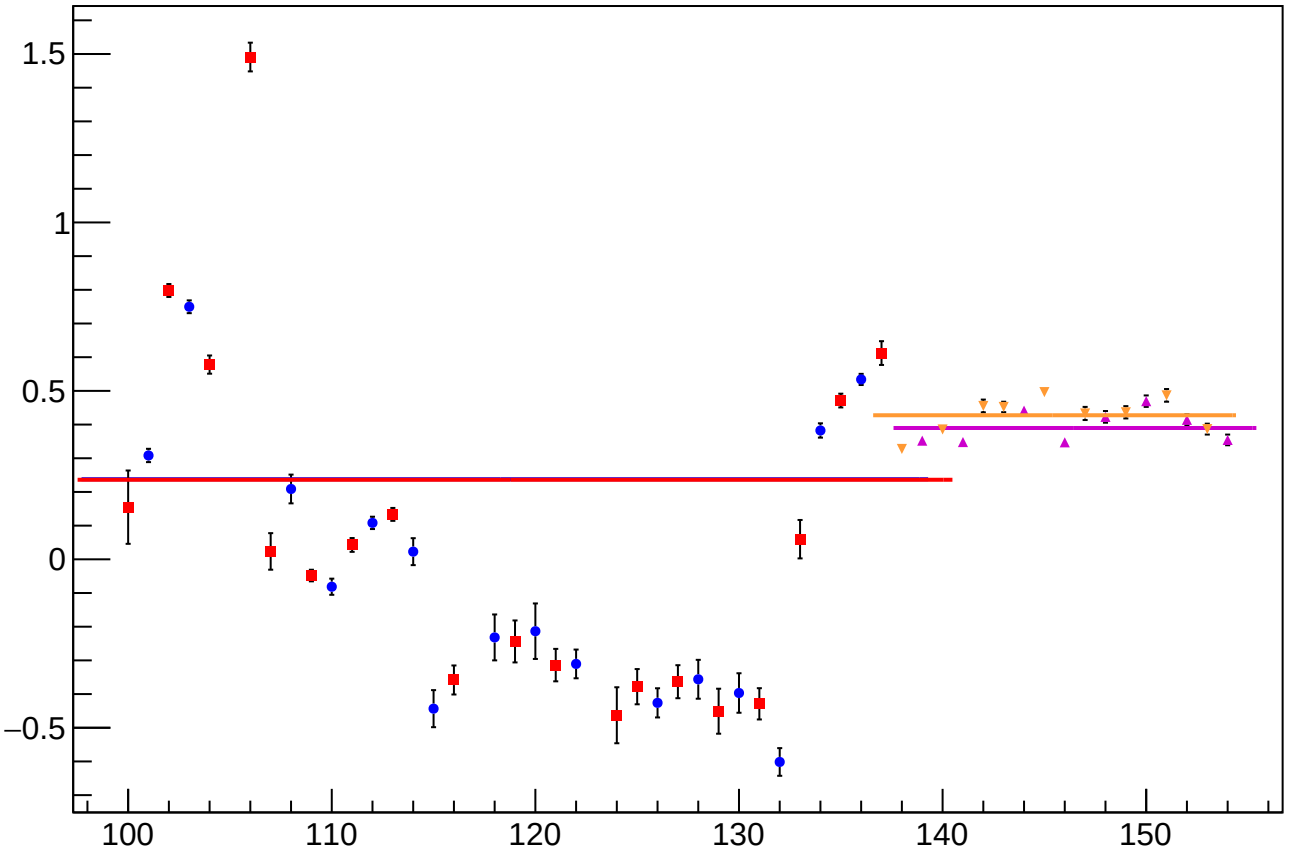
Left: -17.330+/-0.076 χ^2/NDF: 2158.4/16

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.928+/-0.083 χ^2/NDF:1582.2/23

Out: -16.887+/-0.081 χ^2/NDF:2134.3/27

All: -16.907+/-0.058 χ^2/NDF: 3716.6/51



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: 0.390+/-0.005 χ^2/NDF:76.1/7

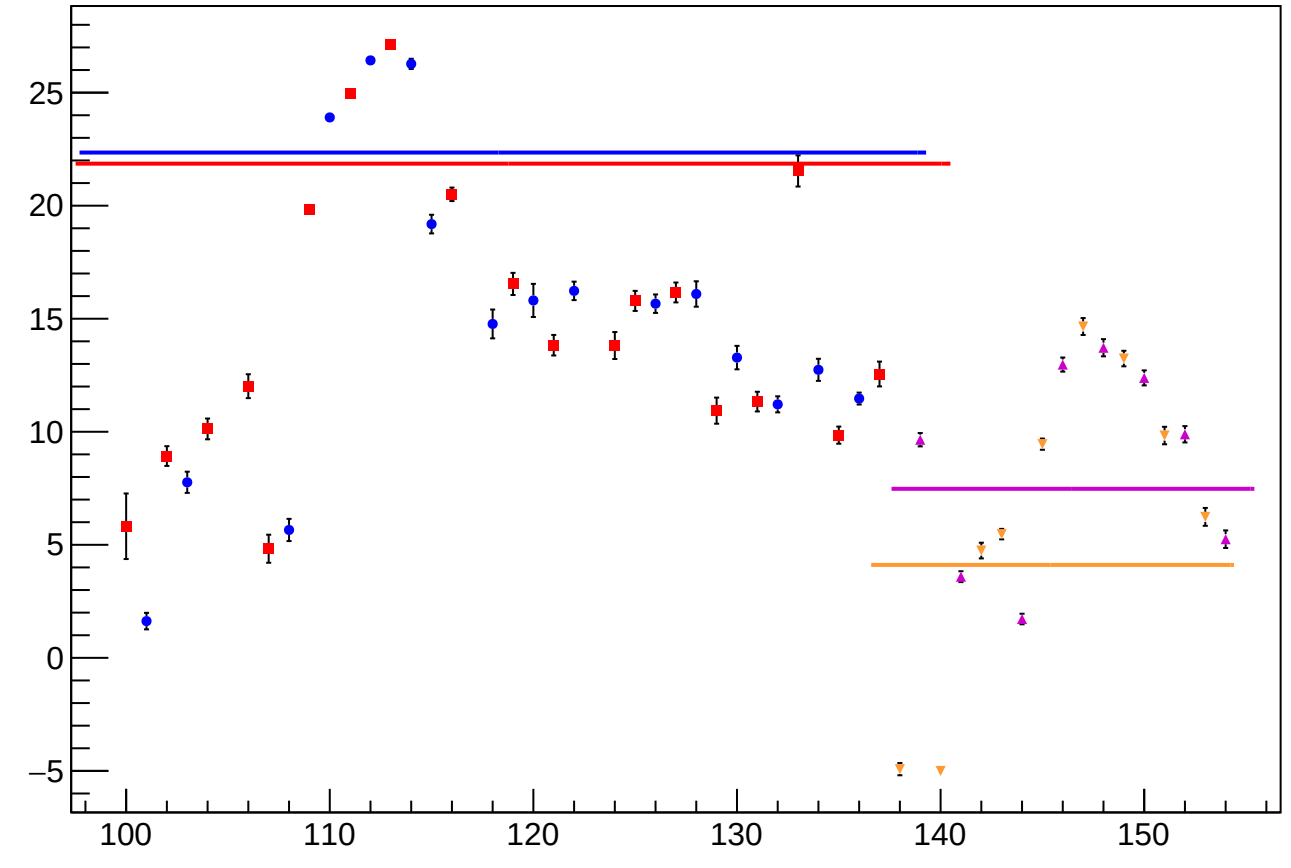
Left: 0.409+/-0.004 χ^2/NDF: 225.5/16

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.336+/-0.004 χ^2/NDF:3009.7/23

Out: 0.363+/-0.004 χ^2/NDF:4198.9/27

All: 0.350+/-0.003 χ^2/NDF: 7228.5/51



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.110+/-0.097 χ^2/NDF:5174.6/8

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 7.477+/-0.107 χ^2/NDF:1801.6/7

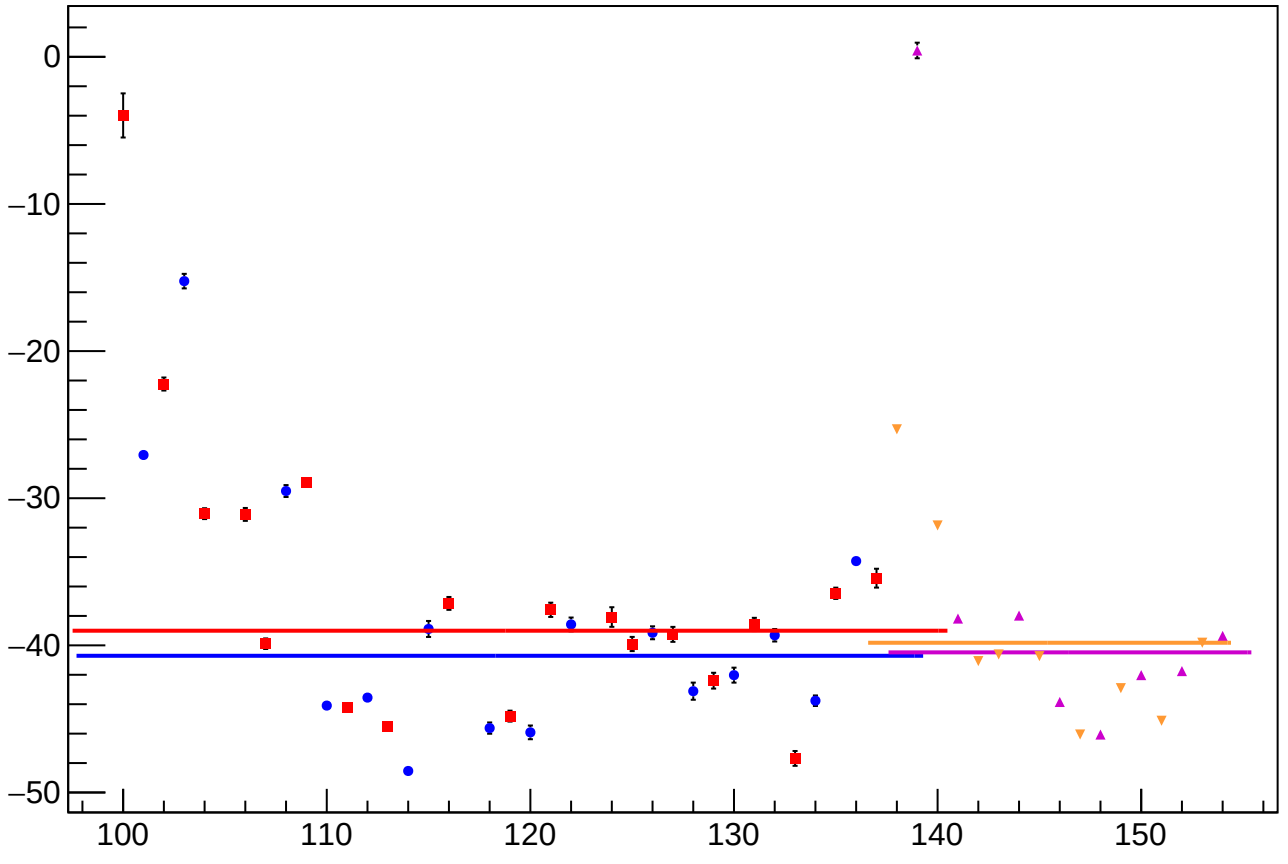
Left: 5.625+/-0.072 χ^2/NDF: 7523.4/16

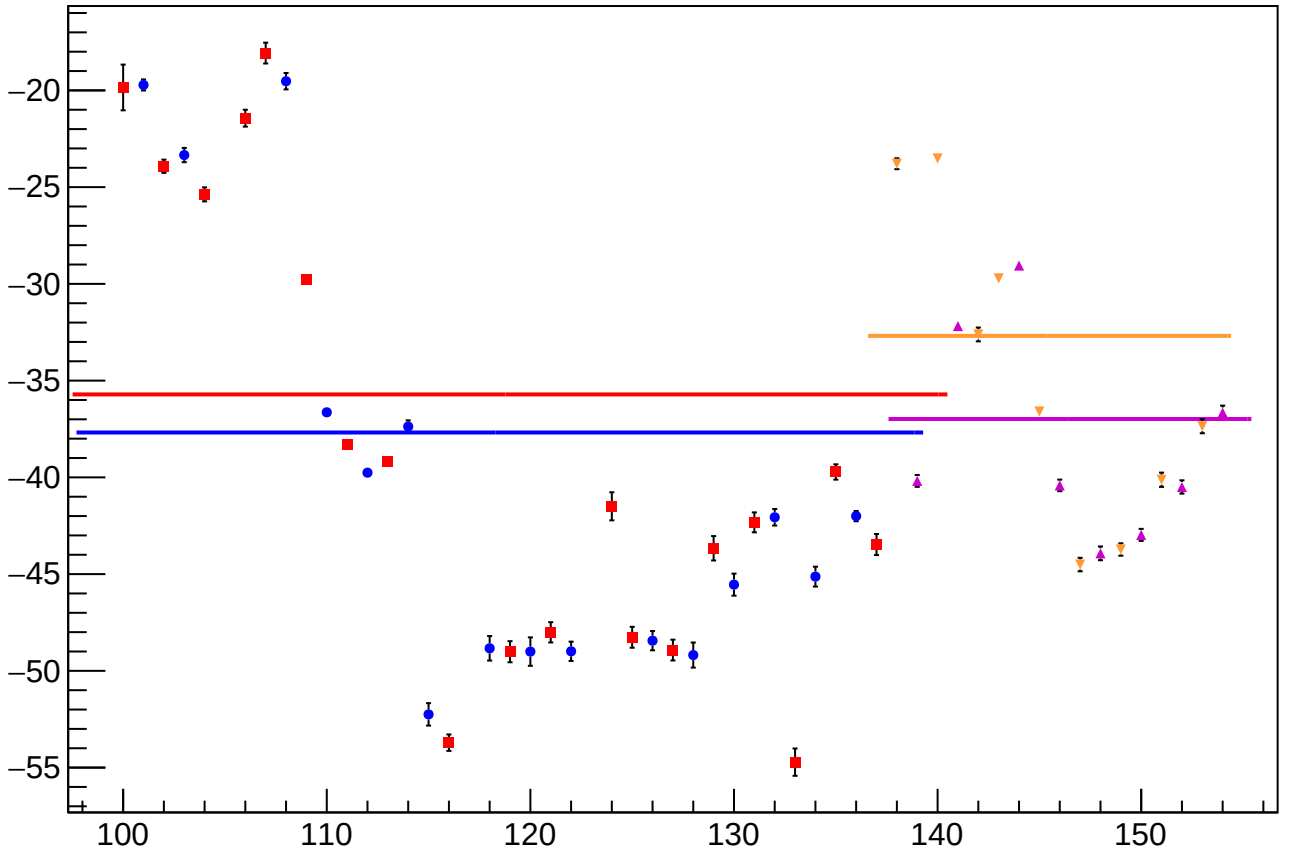
Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

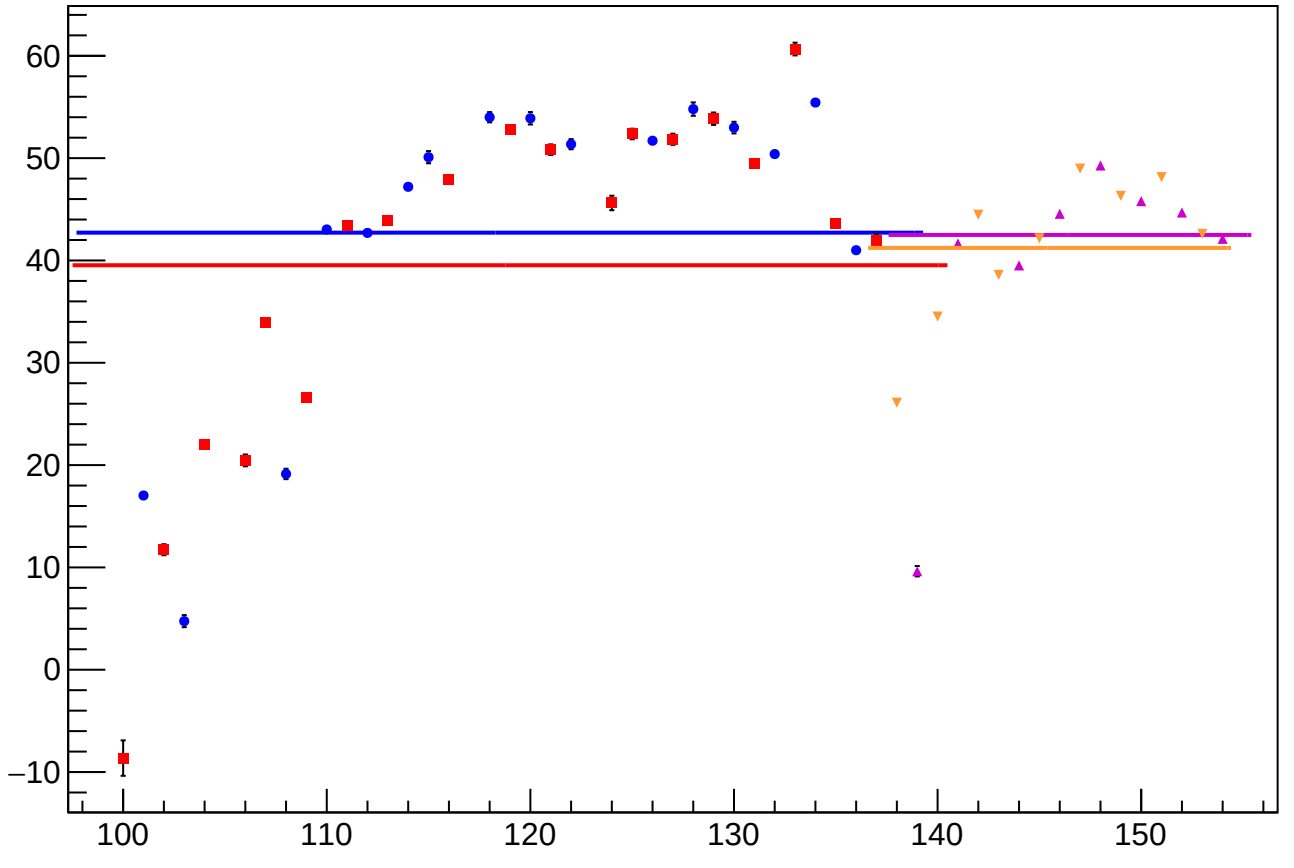
In: 19.090+/-0.050 χ^2/NDF:29299.2/23

Out: 18.542+/-0.042 χ^2/NDF:43351.5/27

All: 18.767+/-0.032 χ^2/NDF: 72721.7/51


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
Right In: -40.709+/-0.076 χ²/NDF: 7780.4/15
Left Out: -39.824+/-0.068 χ²/NDF:7308.5/8
Right Out: -39.005+/-0.071 χ²/NDF: 10101.3/18
Left In: -40.477+/-0.074 χ²/NDF:7696.4/7
Left: -40.122+/-0.050 χ²/NDF: 15047.0/16
Right: -39.794+/-0.052 χ²/NDF: 18148.1/34
In: -40.589+/-0.053 χ²/NDF:15481.5/23
Out: -39.432+/-0.049 χ²/NDF:17479.2/27
All: -39.964+/-0.036 χ²/NDF: 33215.7/51


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: -36.983+/-0.105 χ²/NDF:2567.1/7
Left: -34.653+/-0.071 χ²/NDF: 9482.0/16
Right: -36.564+/-0.048 χ²/NDF: 24532.6/34
In: -37.452+/-0.060 χ²/NDF:13450.5/23
Out: -34.787+/-0.054 χ²/NDF:19966.7/27
All: -35.960+/-0.040 χ²/NDF: 34505.3/51



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: 42.494+/-0.090 χ^2/NDF:5440.1/7

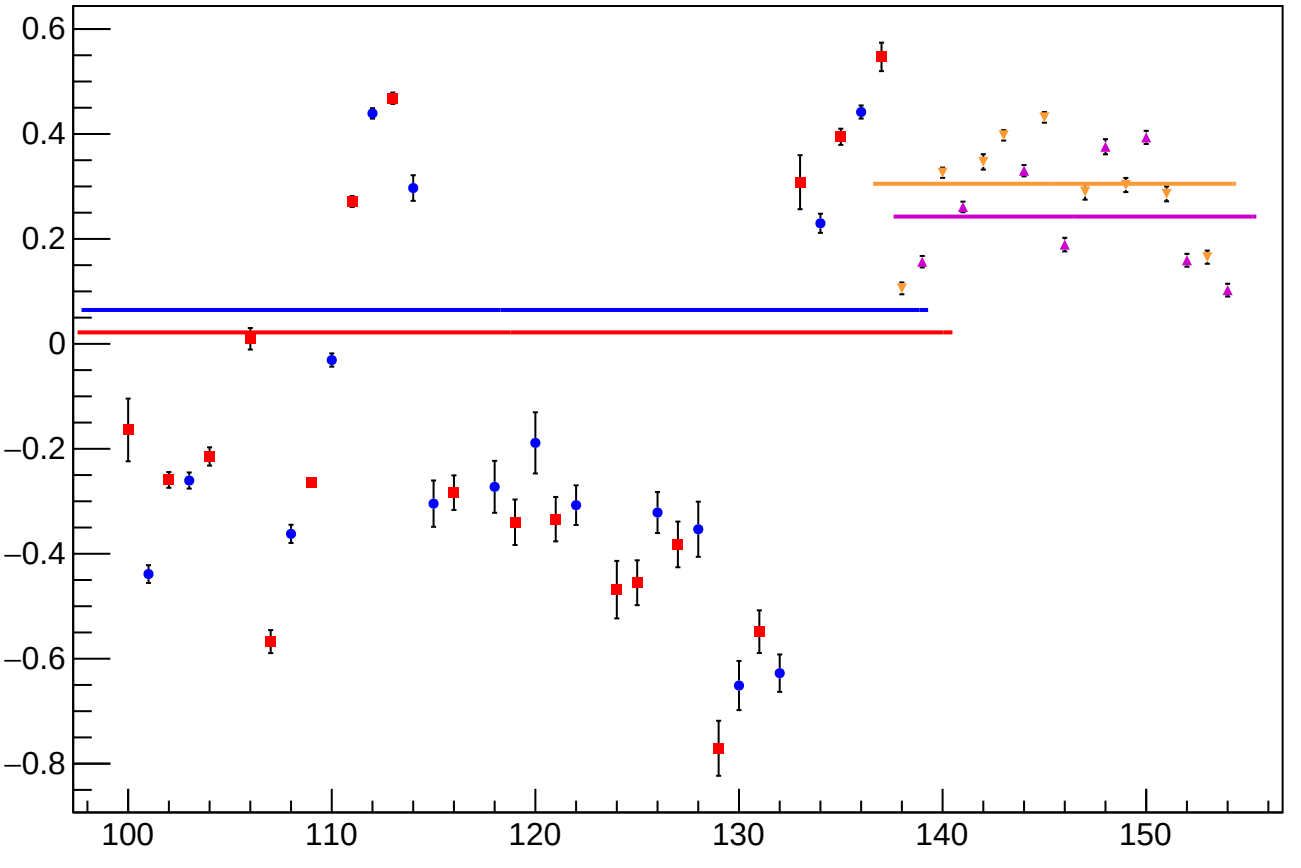
Left: 41.808+/-0.061 χ^2/NDF: 11519.4/16

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.612+/-0.062 χ^2/NDF:20208.3/23

Out: 40.337+/-0.057 χ^2/NDF:24172.5/27

All: 41.378+/-0.042 χ^2/NDF: 45117.9/51



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.305+/-0.004 χ^2/NDF:688.8/8

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.243+/-0.004 χ^2/NDF:554.6/7

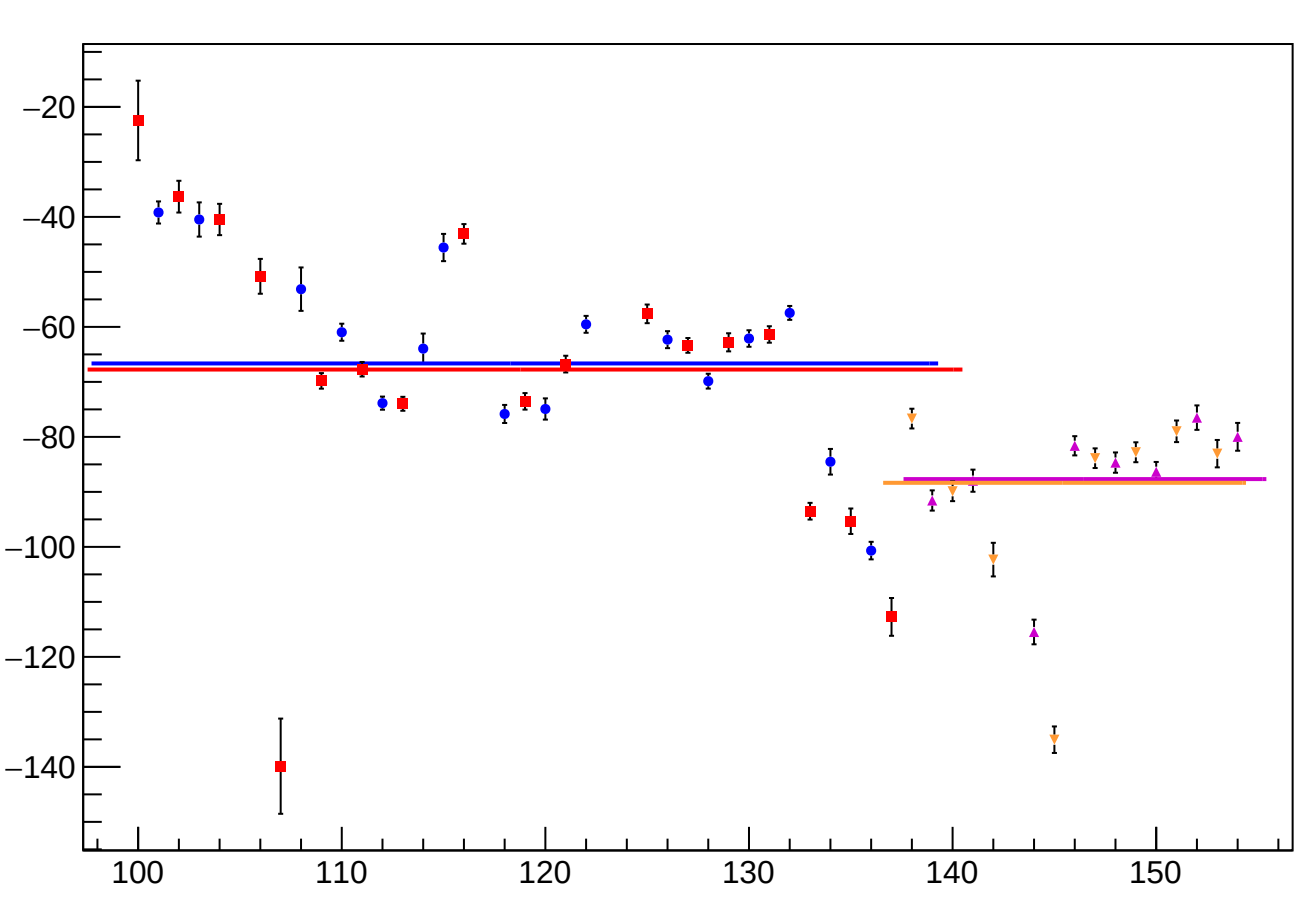
Left: 0.276+/-0.003 χ^2/NDF: 1361.0/16

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

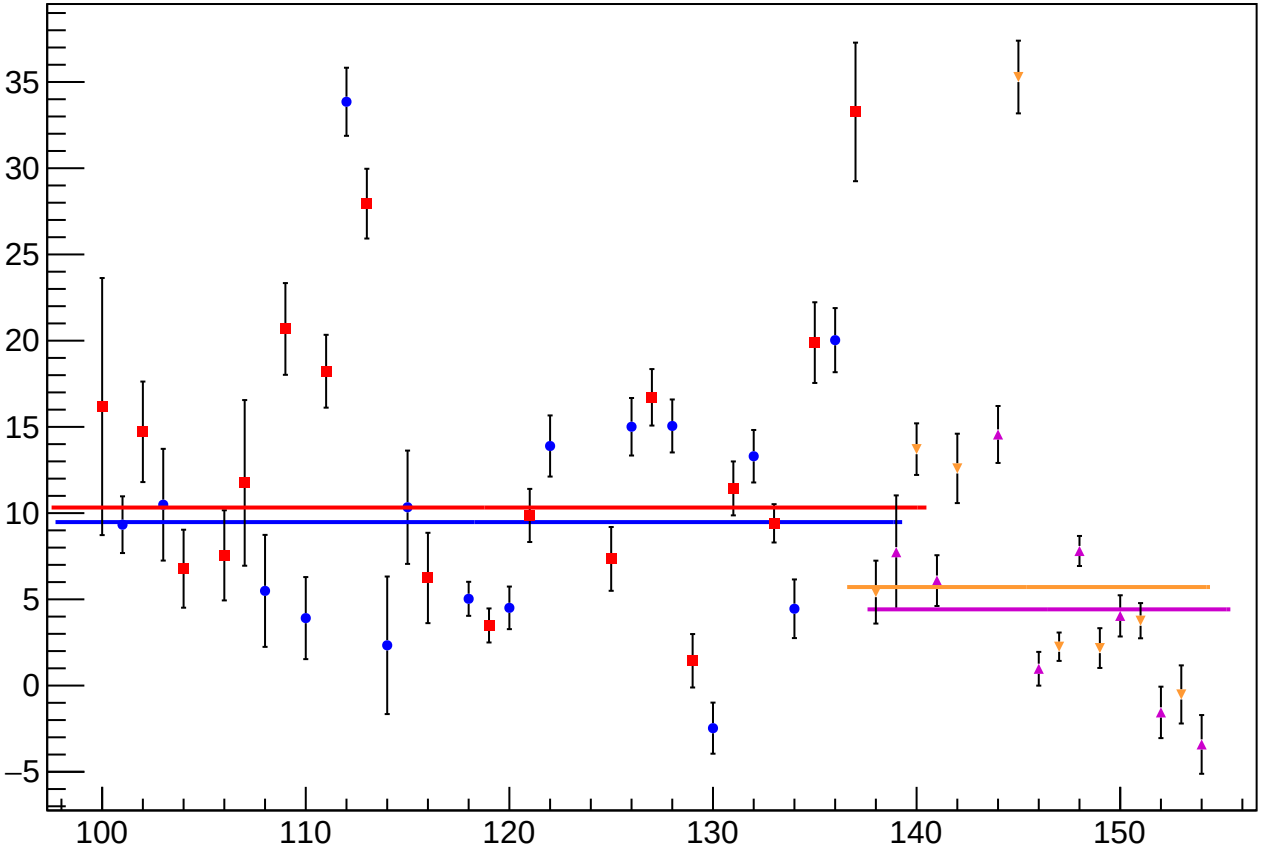
In: 0.167+/-0.003 χ^2/NDF:6826.5/23

Out: 0.178+/-0.003 χ^2/NDF:9388.5/27

All: 0.173+/-0.002 χ^2/NDF: 16221.6/51


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: -87.673+/-0.701 χ²/NDF:207.8/7
Left: -88.003+/-0.502 χ²/NDF: 690.5/15
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -72.322+/-0.364 χ²/NDF:1917.3/23
Out: -72.991+/-0.362 χ²/NDF:2350.4/25
All: -72.658+/-0.257 χ²/NDF: 4269.4/49

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: 4.419+/-0.458 χ^2/NDF:104.8/7

Left: 5.065+/-0.324 χ^2/NDF: 390.3/15

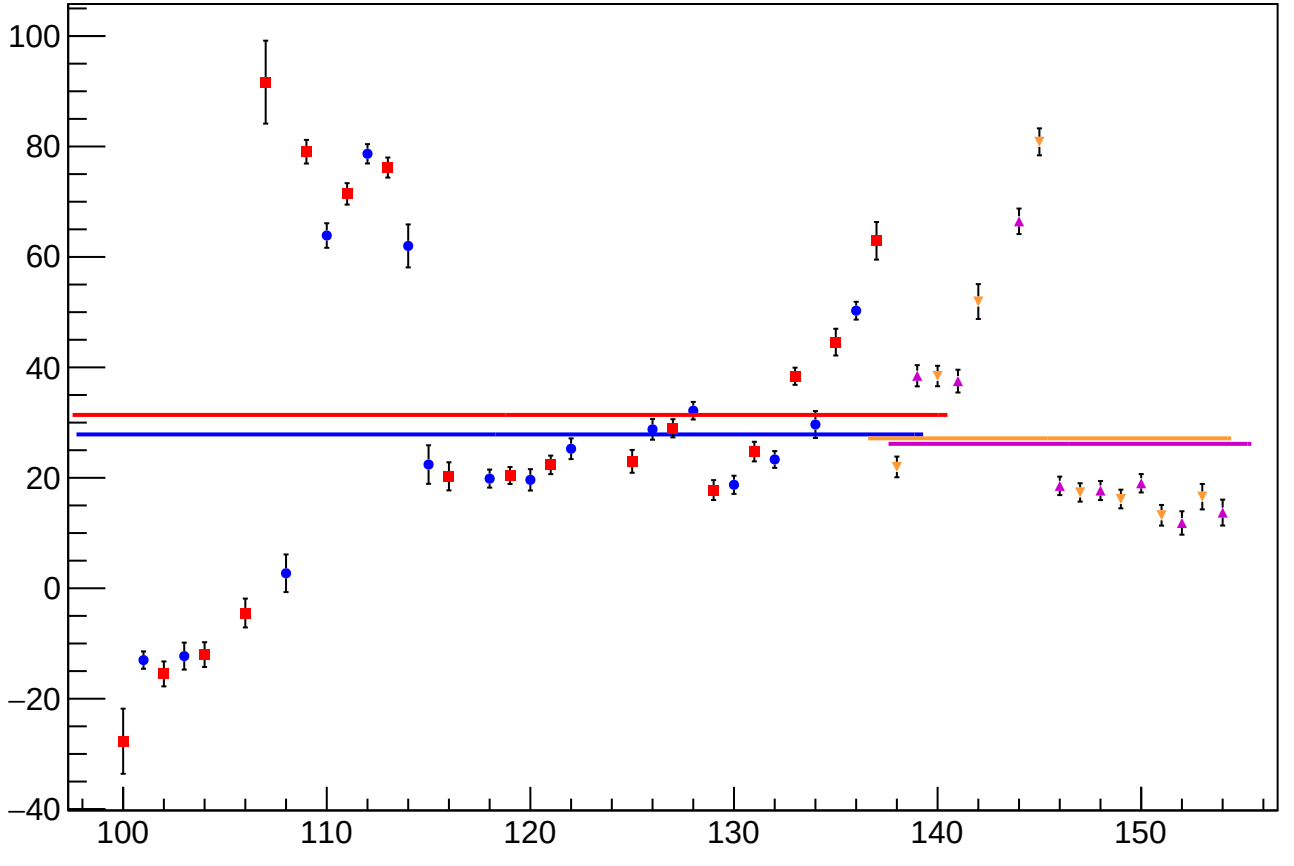
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 7.118+/-0.313 χ^2/NDF:511.9/23

Out: 8.136+/-0.316 χ^2/NDF:598.1/25

All: 7.622+/-0.222 χ^2/NDF: 1115.3/49

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 26.153+/-0.682 χ^2/NDF:513.1/7

Left: 26.638+/-0.489 χ^2/NDF: 1258.1/15

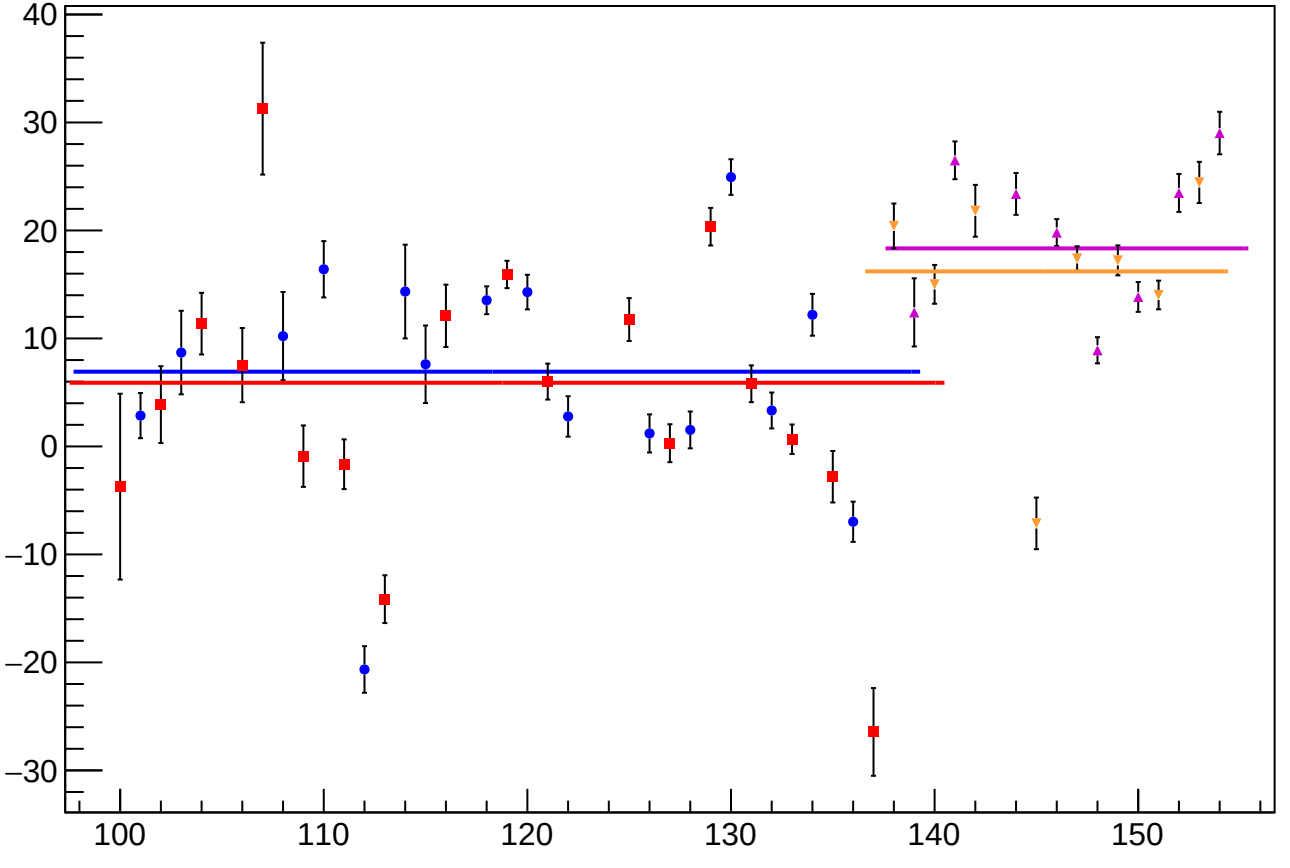
Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 27.290+/-0.394 χ^2/NDF:2991.2/23

Out: 30.014+/-0.400 χ^2/NDF:3780.1/25

All: 28.629+/-0.281 χ^2/NDF: 6794.8/49

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 18.339+/-0.566 χ^2/NDF:142.6/7

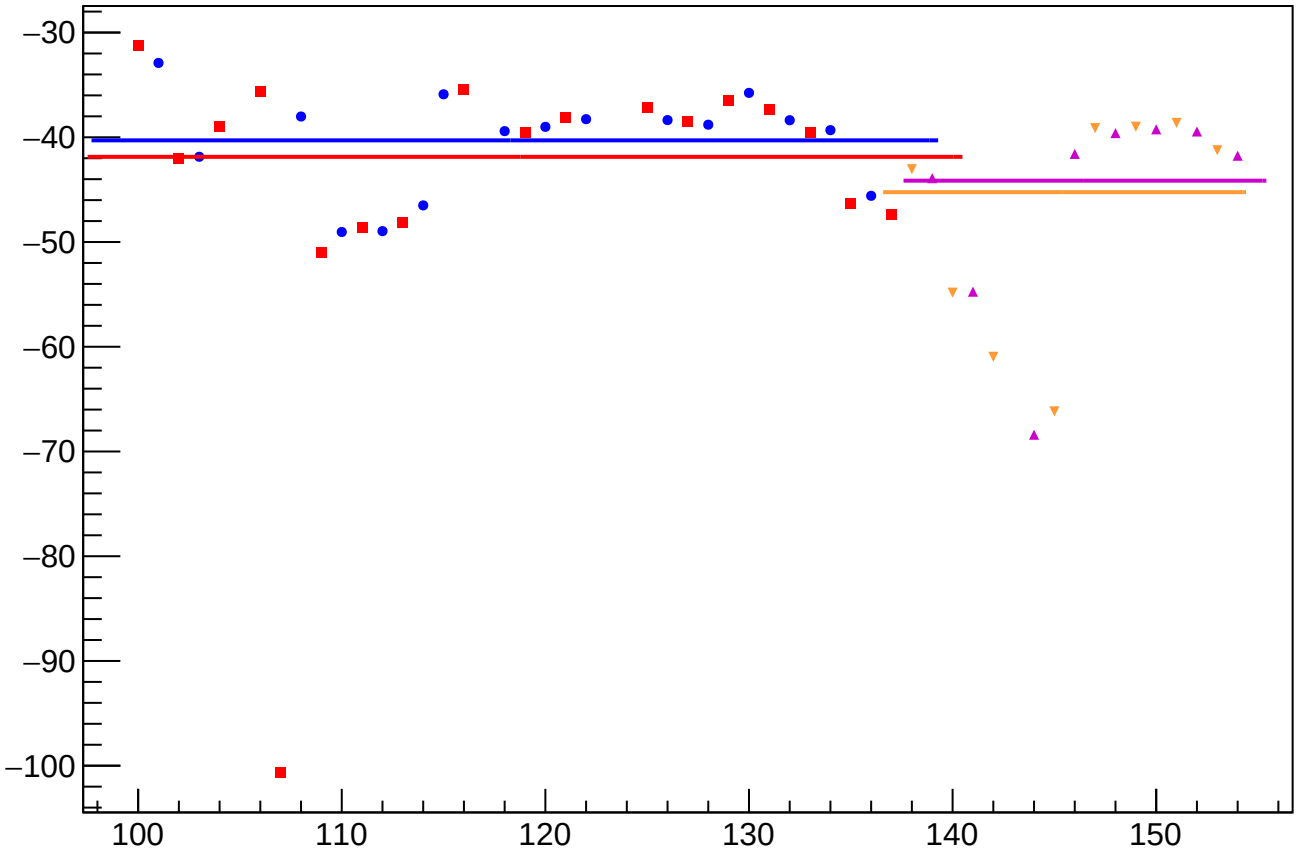
Left: 17.288+/-0.403 χ^2/NDF: 278.0/15

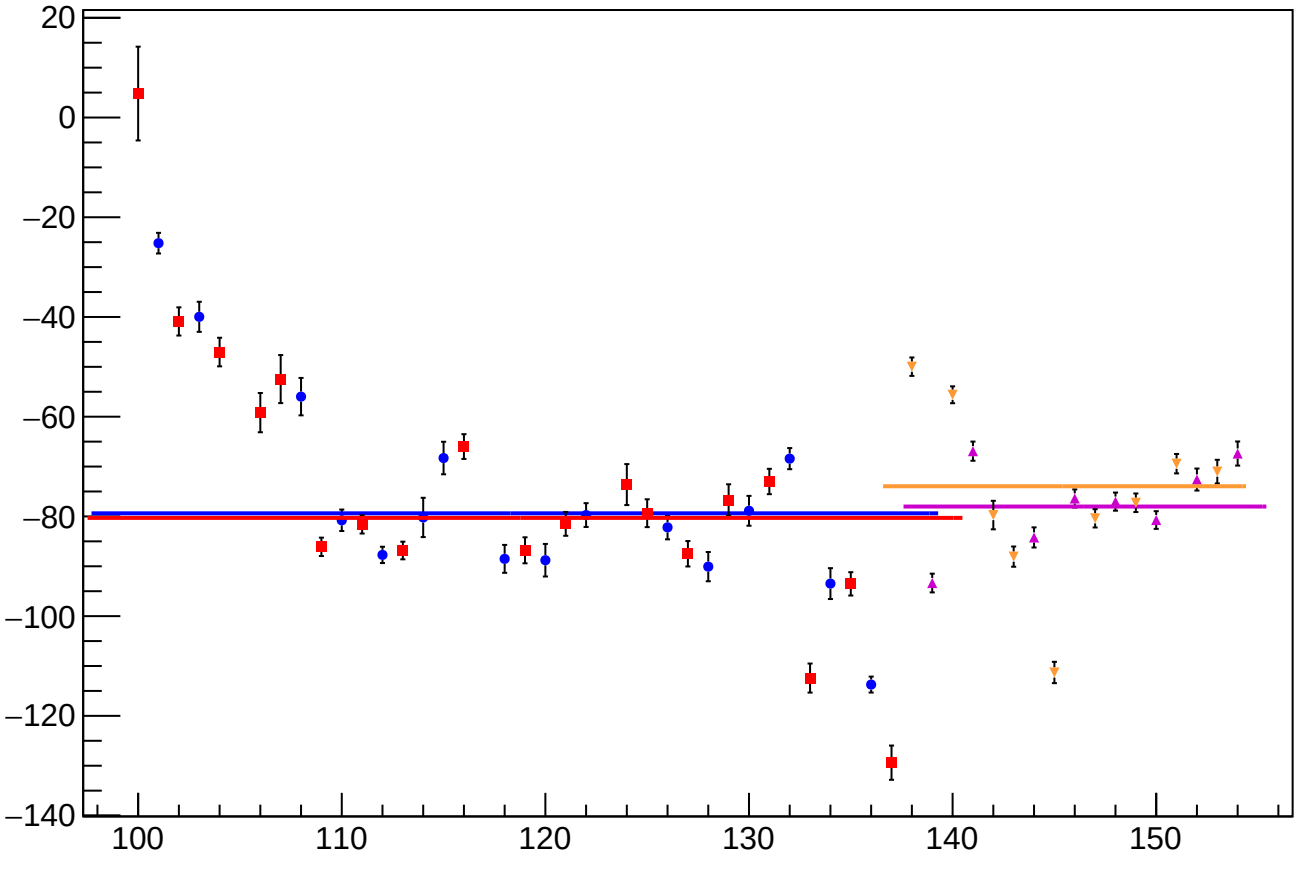
Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 11.877+/-0.373 χ^2/NDF:817.3/23

Out: 10.367+/-0.378 χ^2/NDF:679.2/25

All: 11.132+/-0.265 χ^2/NDF: 1504.6/49


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: -44.143+/-0.027 χ²/NDF:85876.5/7
Left: -44.655+/-0.020 χ²/NDF: 188331.8/15
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -42.523+/-0.020 χ²/NDF:115246.5/23
Out: -43.746+/-0.021 χ²/NDF:166554.7/25
All: -43.105+/-0.015 χ²/NDF: 283517.6/49



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.951+/-0.666 χ^2/NDF:665.7/8

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -78.020+/-0.690 χ^2/NDF:138.1/7

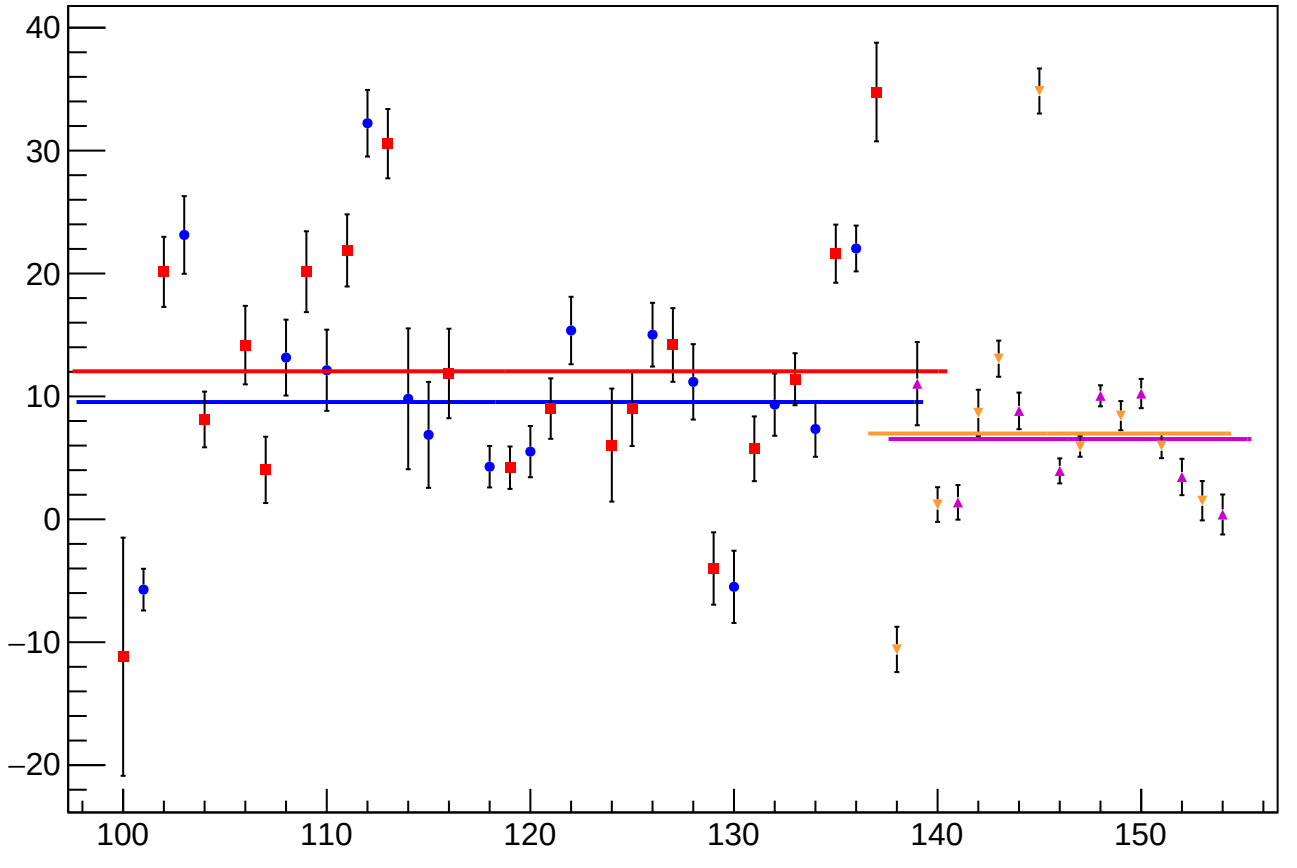
Left: -75.913+/-0.479 χ^2/NDF: 821.8/16

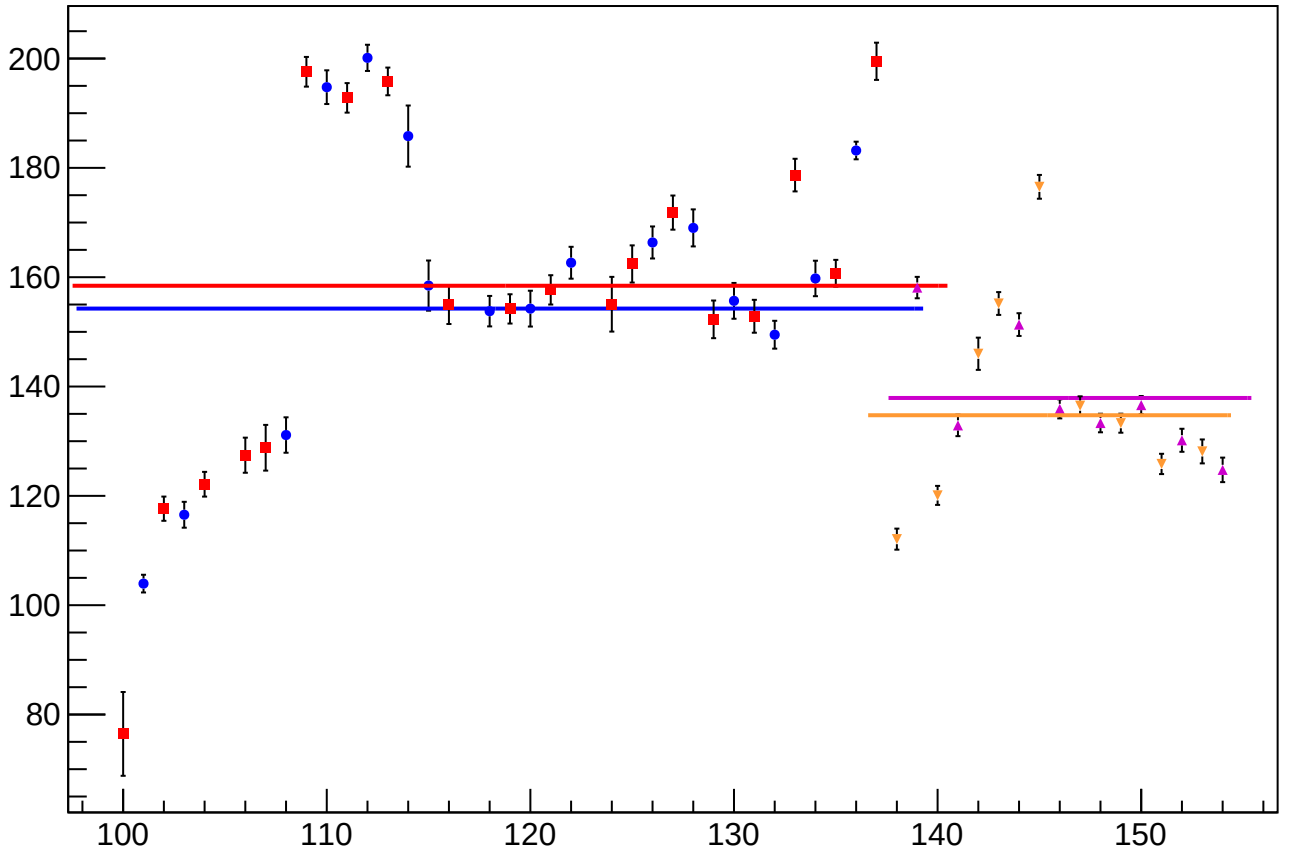
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -78.784+/-0.458 χ^2/NDF:1616.2/23

Out: -77.432+/-0.447 χ^2/NDF:1630.1/27

All: -78.093+/-0.320 χ^2/NDF: 3250.7/51


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 6.981+/-0.434 χ²/NDF:372.5/8
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 6.532+/-0.451 χ²/NDF:69.2/7
Left: 6.765+/-0.313 χ²/NDF: 442.2/16
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 7.571+/-0.365 χ²/NDF:351.6/23
Out: 8.585+/-0.359 χ²/NDF:611.5/27
All: 8.088+/-0.256 χ²/NDF: 967.0/51



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 134.748+/-0.656 χ^2/NDF:721.9/8

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 137.907+/-0.672 χ^2/NDF:211.5/7

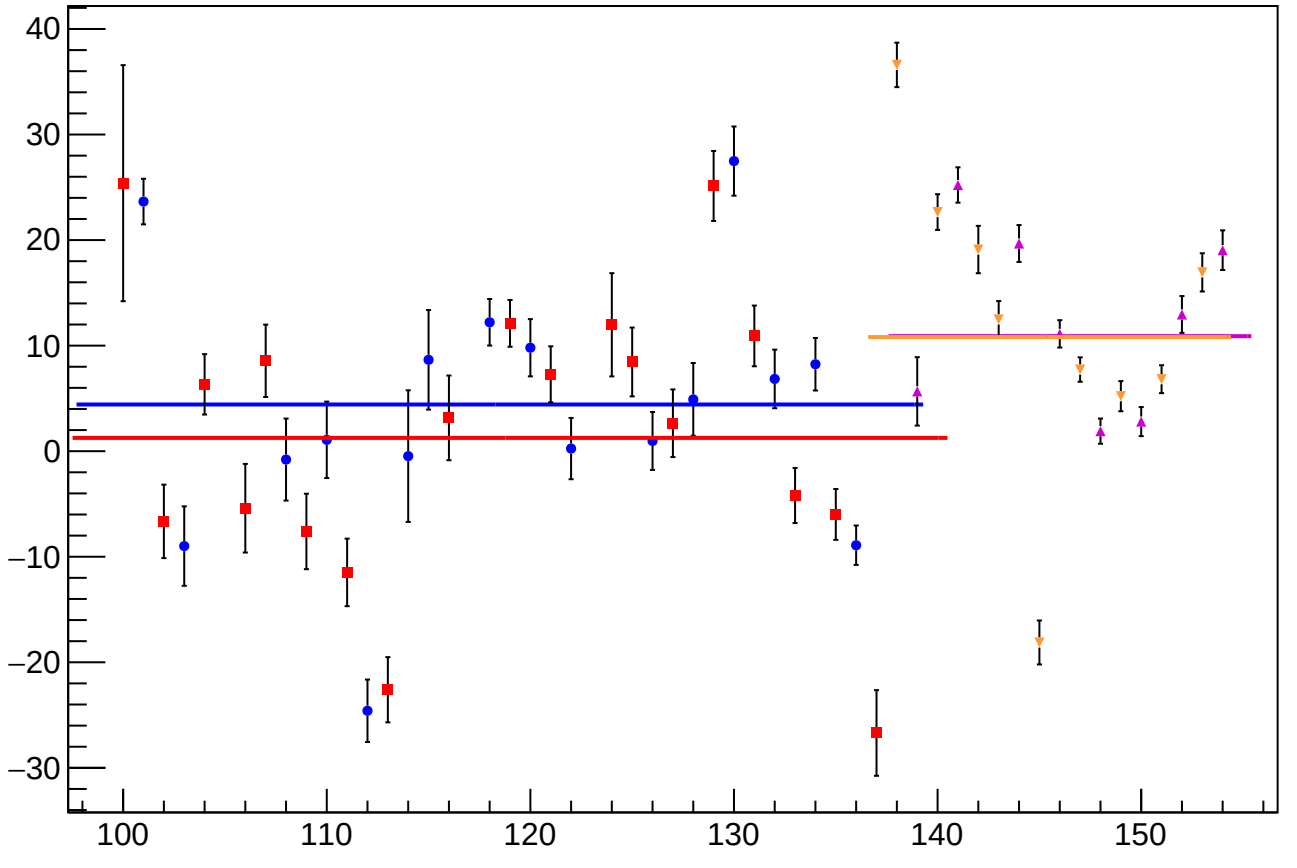
Left: 136.288+/-0.469 χ^2/NDF: 944.8/16

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 146.212+/-0.472 χ^2/NDF:2725.7/23

Out: 146.115+/-0.473 χ^2/NDF:3012.5/27

All: 146.164+/-0.334 χ^2/NDF: 5738.2/51



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: 10.898+/-0.557 χ^2/NDF:212.8/7

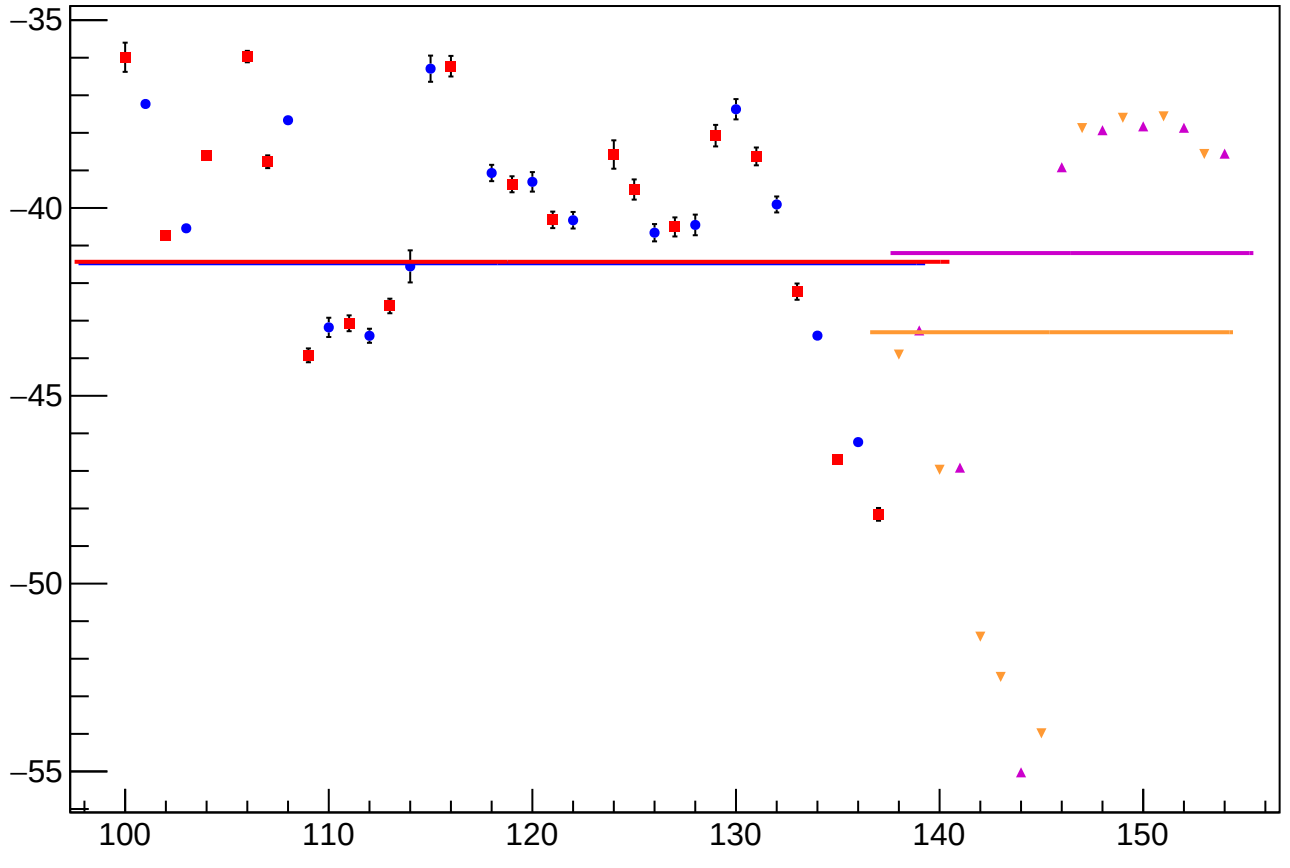
Left: 10.853+/-0.387 χ^2/NDF: 662.4/16

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 8.446+/-0.439 χ^2/NDF:579.9/23

Out: 7.457+/-0.434 χ^2/NDF:825.1/27

All: 7.945+/-0.309 χ^2/NDF: 1407.6/51



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: -41.200+/-0.026 χ^2/NDF:36762.4/7

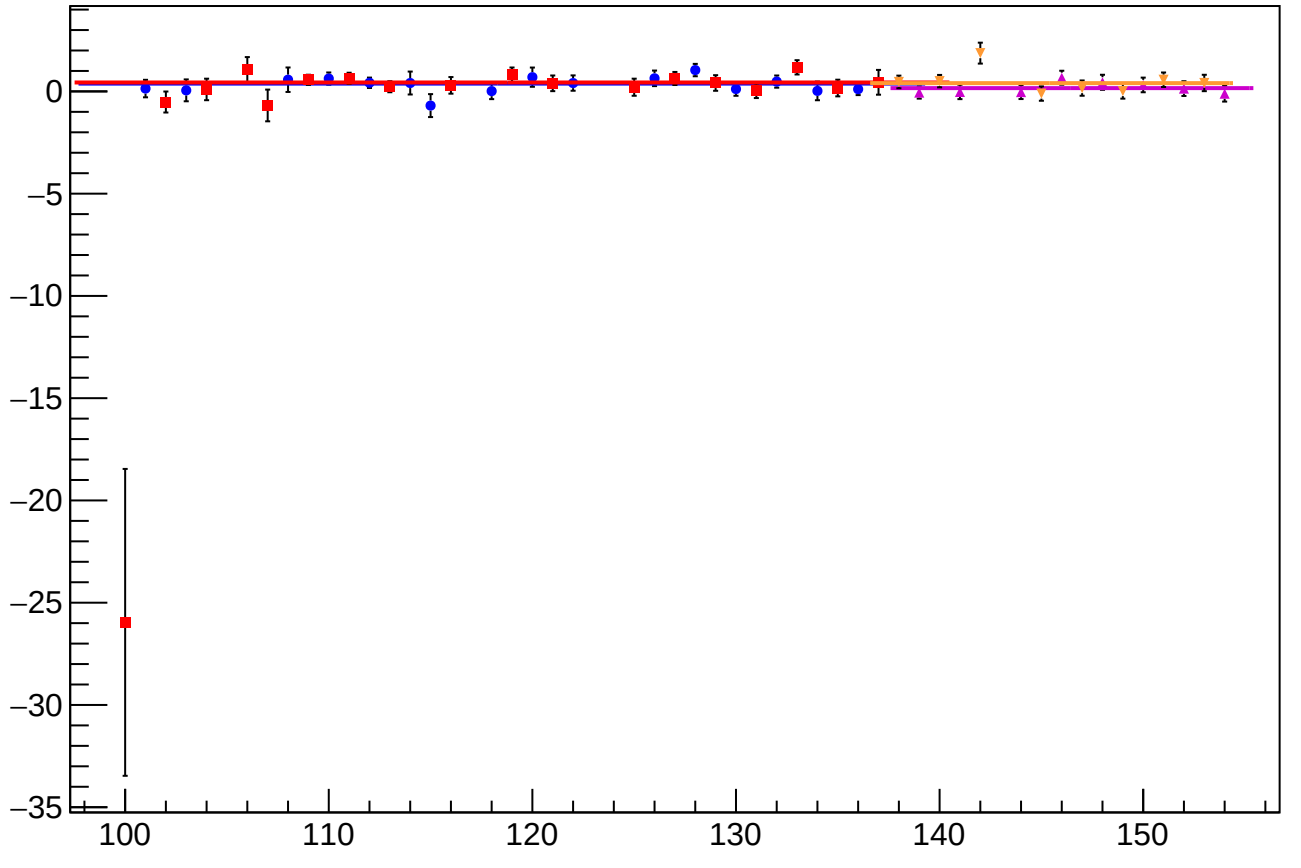
Left: -42.240+/-0.019 χ^2/NDF: 94552.4/16

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -41.289+/-0.022 χ^2/NDF:44708.7/23

Out: -42.718+/-0.022 χ^2/NDF:64420.3/27

All: -41.988+/-0.016 χ^2/NDF: 111249.4/51



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: 0.160+/-0.123 χ^2/NDF:4.6/7

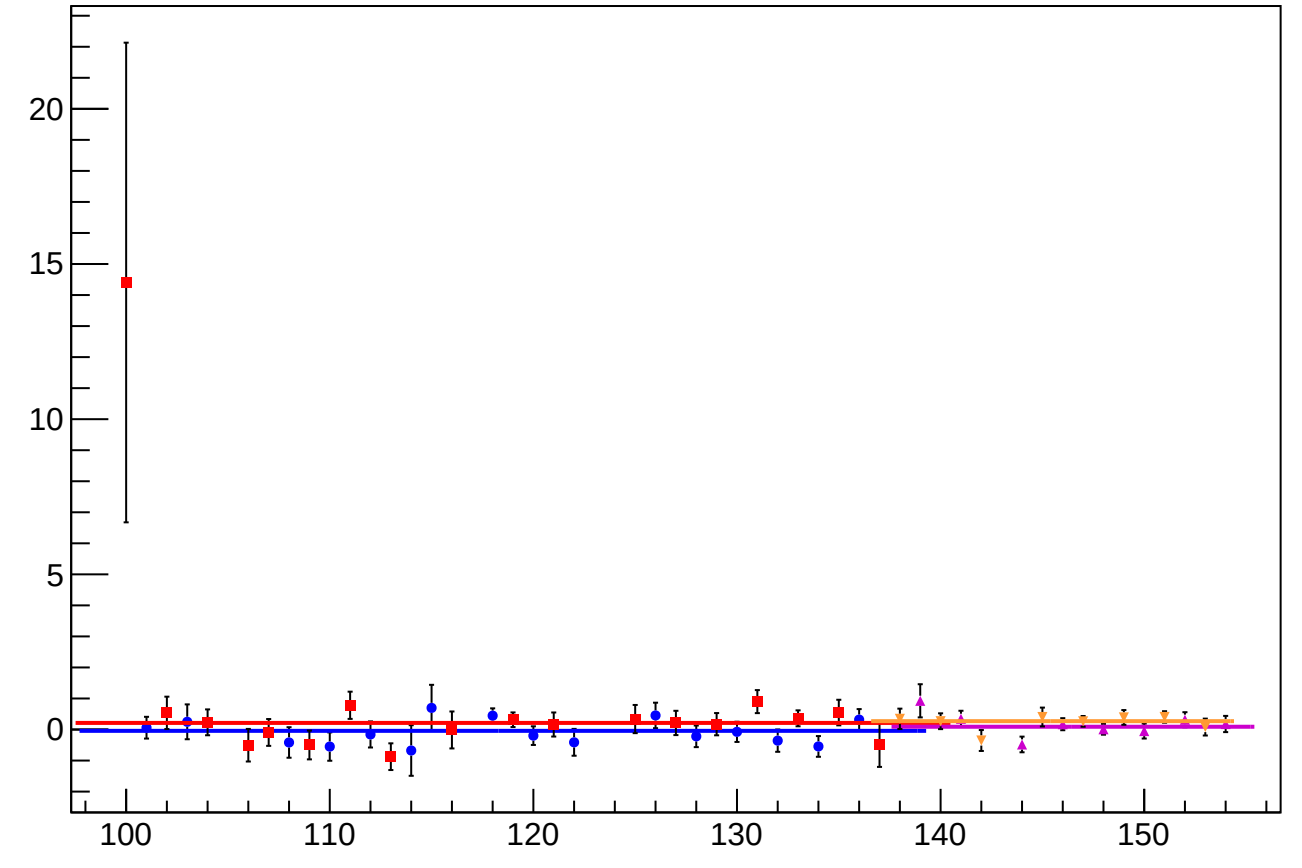
Left: 0.278+/-0.088 χ^2/NDF: 18.7/15

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.302+/-0.074 χ^2/NDF:20.7/23

Out: 0.425+/-0.074 χ^2/NDF:41.2/25

All: 0.364+/-0.052 χ^2/NDF: 63.4/49



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: 0.090+/-0.084 χ^2/NDF:10.3/7

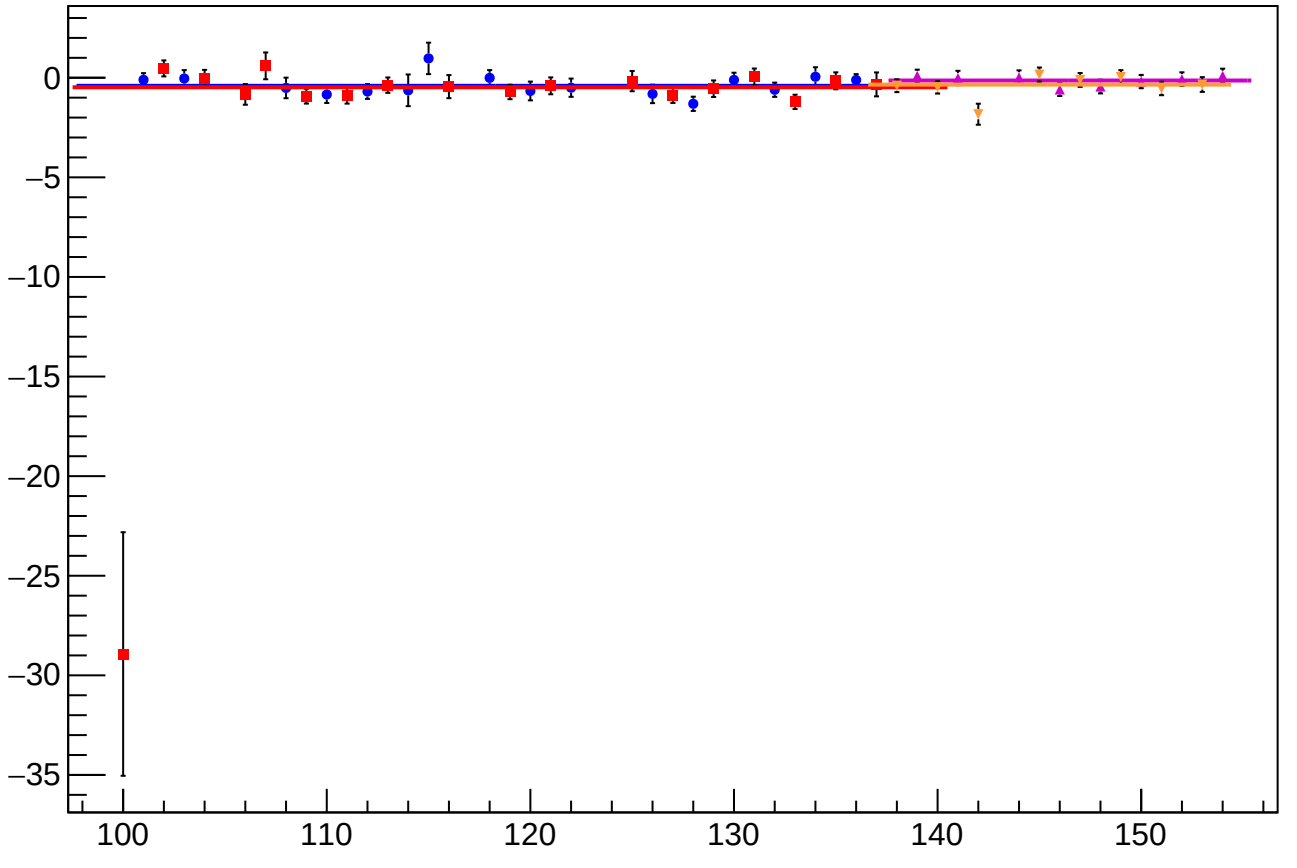
Left: 0.178+/-0.060 χ^2/NDF: 17.5/15

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.031+/-0.063 χ^2/NDF:26.4/23

Out: 0.244+/-0.063 χ^2/NDF:27.6/25

All: 0.136+/-0.045 χ^2/NDF: 59.7/49



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: -0.139+/-0.120 χ^2/NDF:4.1/7

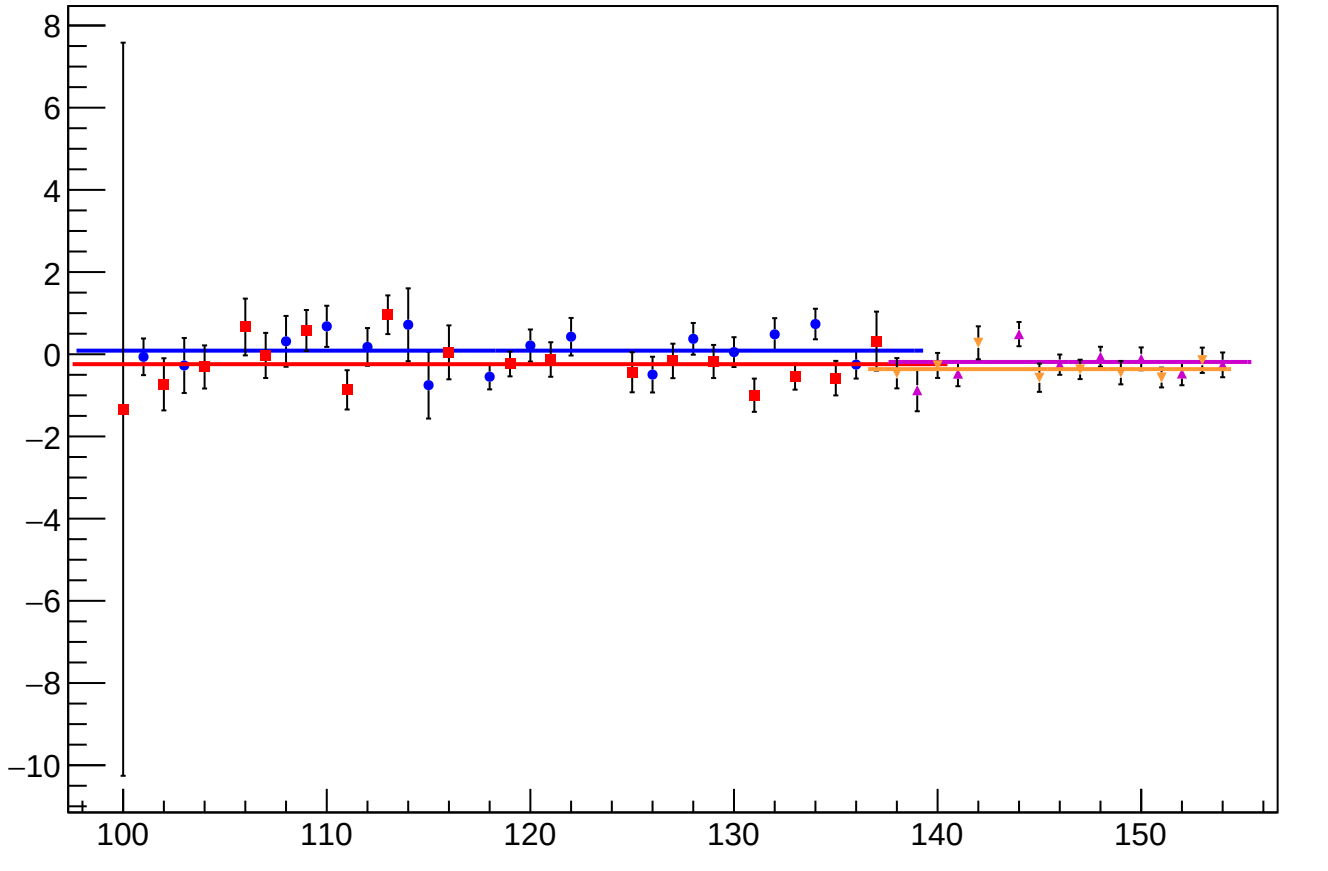
Left: -0.237+/-0.087 χ^2/NDF: 17.6/15

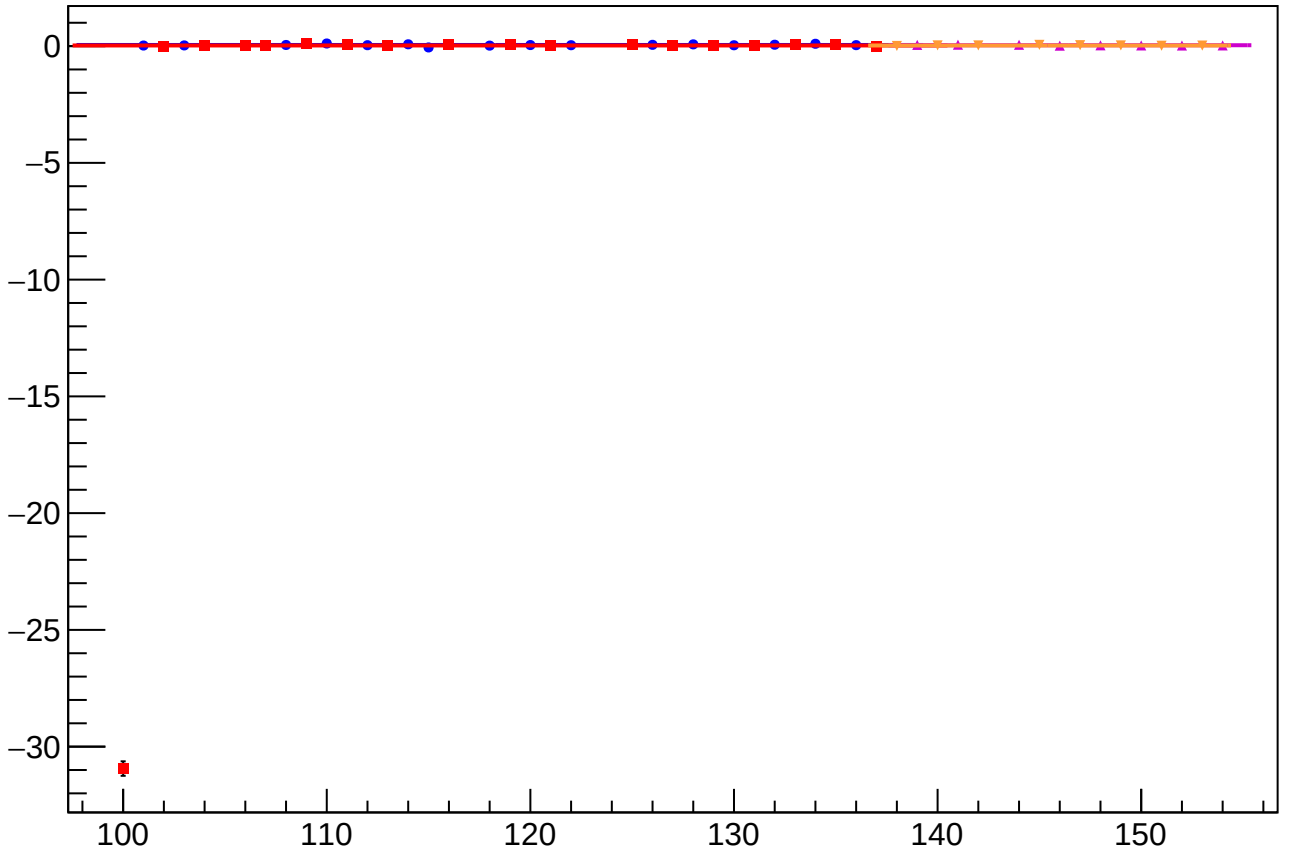
Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.293+/-0.078 χ^2/NDF:24.7/23

Out: -0.423+/-0.080 χ^2/NDF:55.0/25

All: -0.356+/-0.056 χ^2/NDF: 81.1/49


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: -0.187+/-0.102 χ²/NDF:9.4/7
Left: -0.272+/-0.073 χ²/NDF: 15.2/15
Right: -0.075+/-0.077 χ²/NDF: 40.0/33
In: -0.058+/-0.074 χ²/NDF:28.7/23
Out: -0.304+/-0.076 χ²/NDF:24.6/25
All: -0.179+/-0.053 χ²/NDF: 58.7/49



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: 0.038+/-0.005 χ^2/NDF:9.4/7

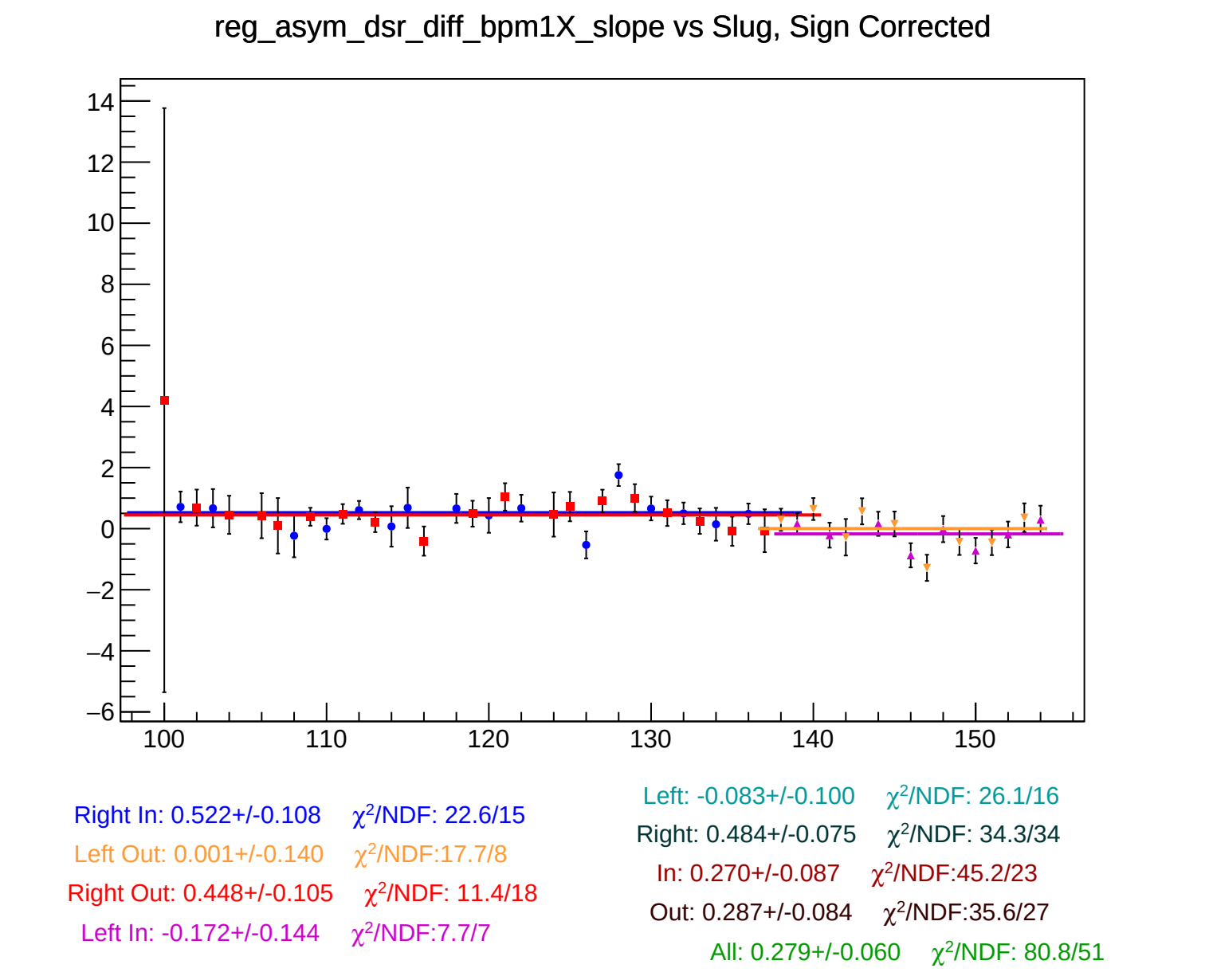
Left: 0.033+/-0.003 χ^2/NDF: 19.8/15

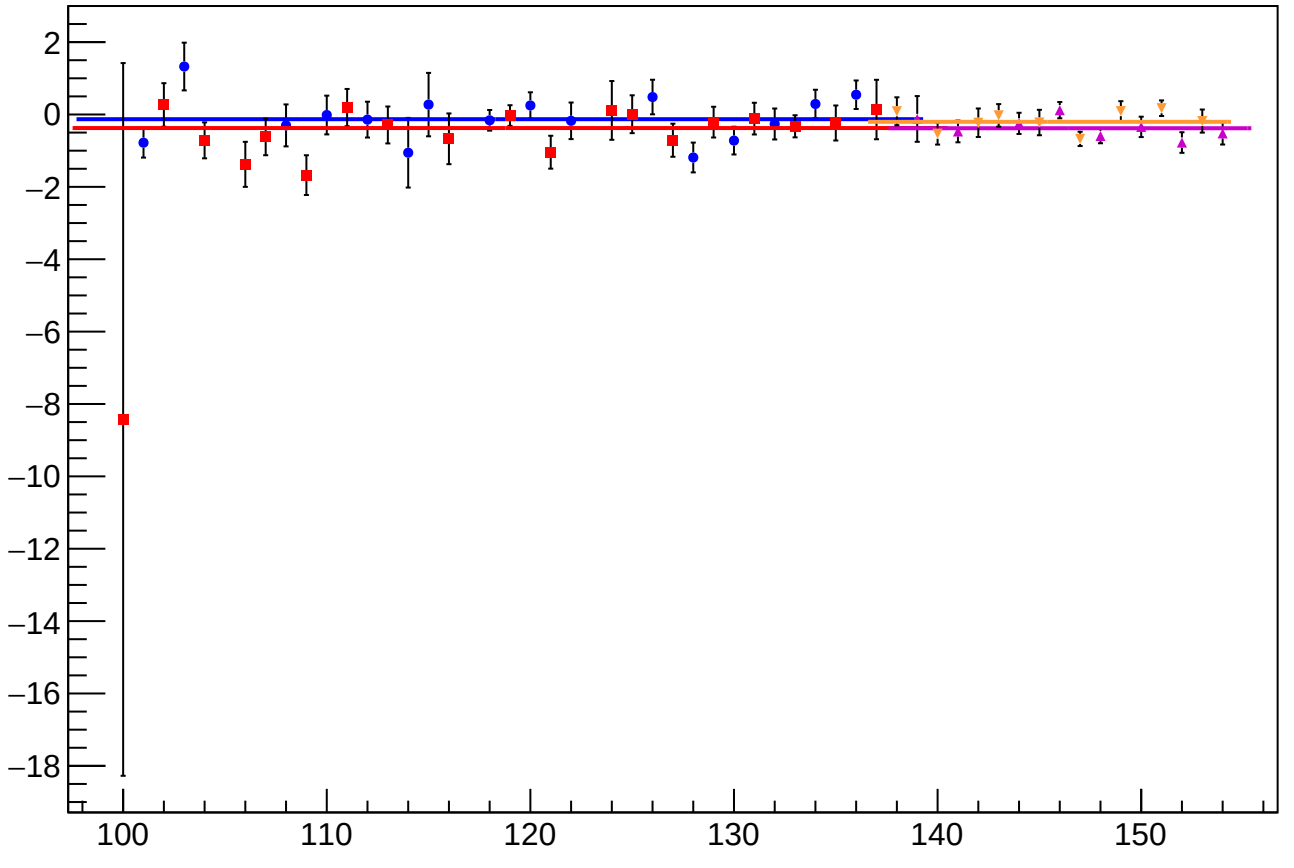
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.042+/-0.004 χ^2/NDF:30.4/23

Out: 0.027+/-0.004 χ^2/NDF:10028.7/25

All: 0.035+/-0.003 χ^2/NDF: 10066.2/49


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: -0.172+/-0.144 χ²/NDF:7.7/7
Left: -0.083+/-0.100 χ²/NDF: 26.1/16
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.270+/-0.087 χ²/NDF:45.2/23
Out: 0.287+/-0.084 χ²/NDF:35.6/27
All: 0.279+/-0.060 χ²/NDF: 80.8/51



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: -0.380+/-0.098 χ^2/NDF:8.7/7

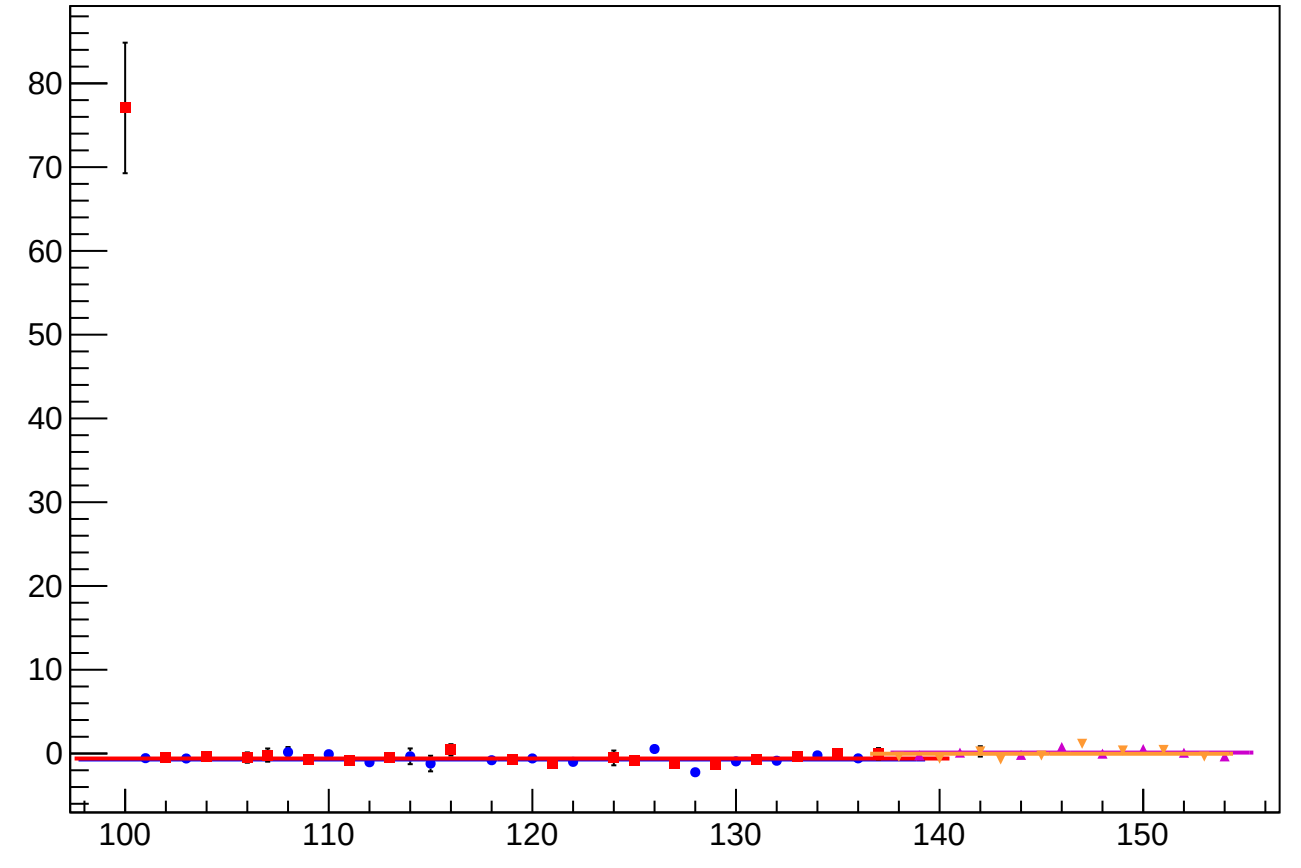
Left: -0.288+/-0.068 χ^2/NDF: 22.4/16

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.272+/-0.073 χ^2/NDF:36.1/23

Out: -0.274+/-0.072 χ^2/NDF:31.6/27

All: -0.273+/-0.051 χ^2/NDF: 67.7/51



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: 0.112+/-0.140 χ^2/NDF:6.6/7

Left: 0.041+/-0.099 χ^2/NDF: 25.2/16

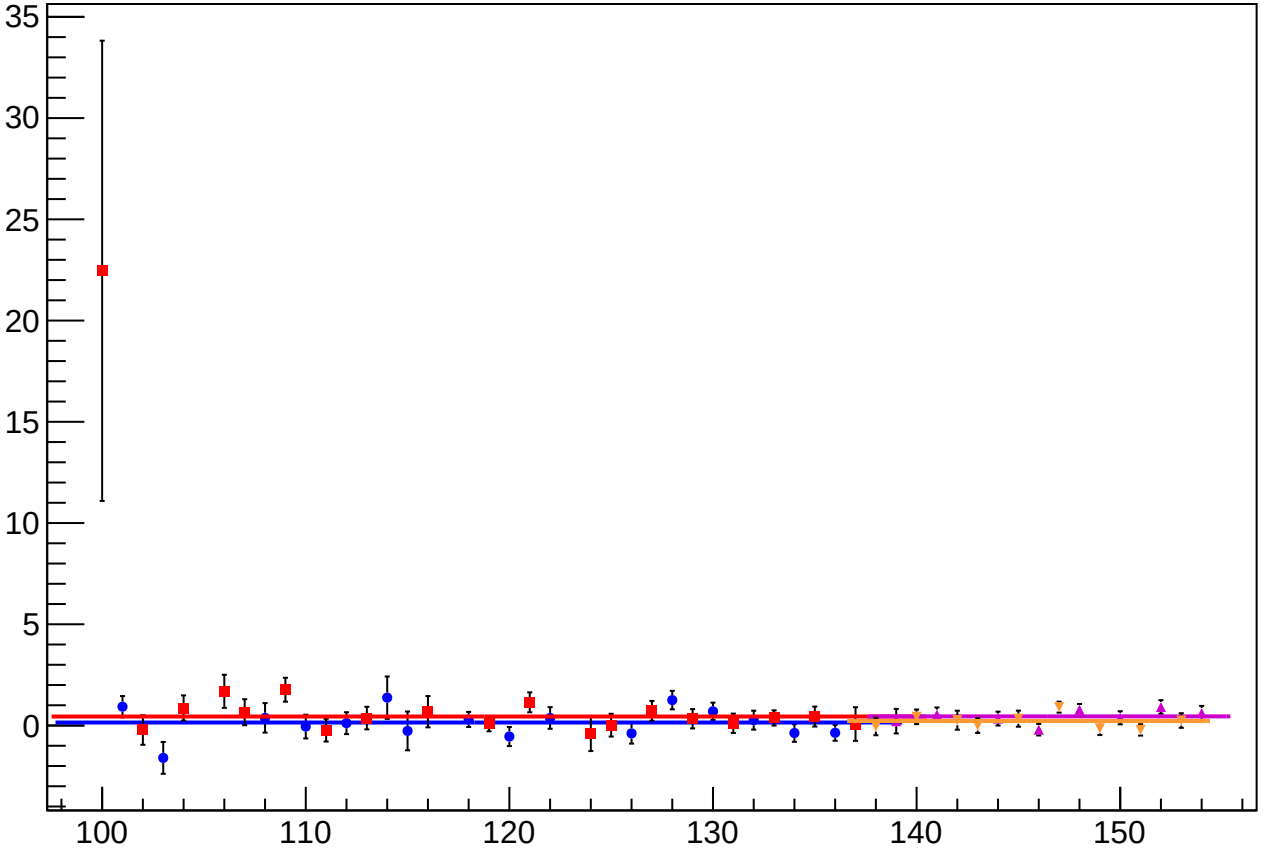
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.359+/-0.092 χ^2/NDF:51.2/23

Out: -0.349+/-0.091 χ^2/NDF:138.6/27

All: -0.354+/-0.065 χ^2/NDF: 189.8/51

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: 0.451+/-0.119 χ^2/NDF:9.2/7

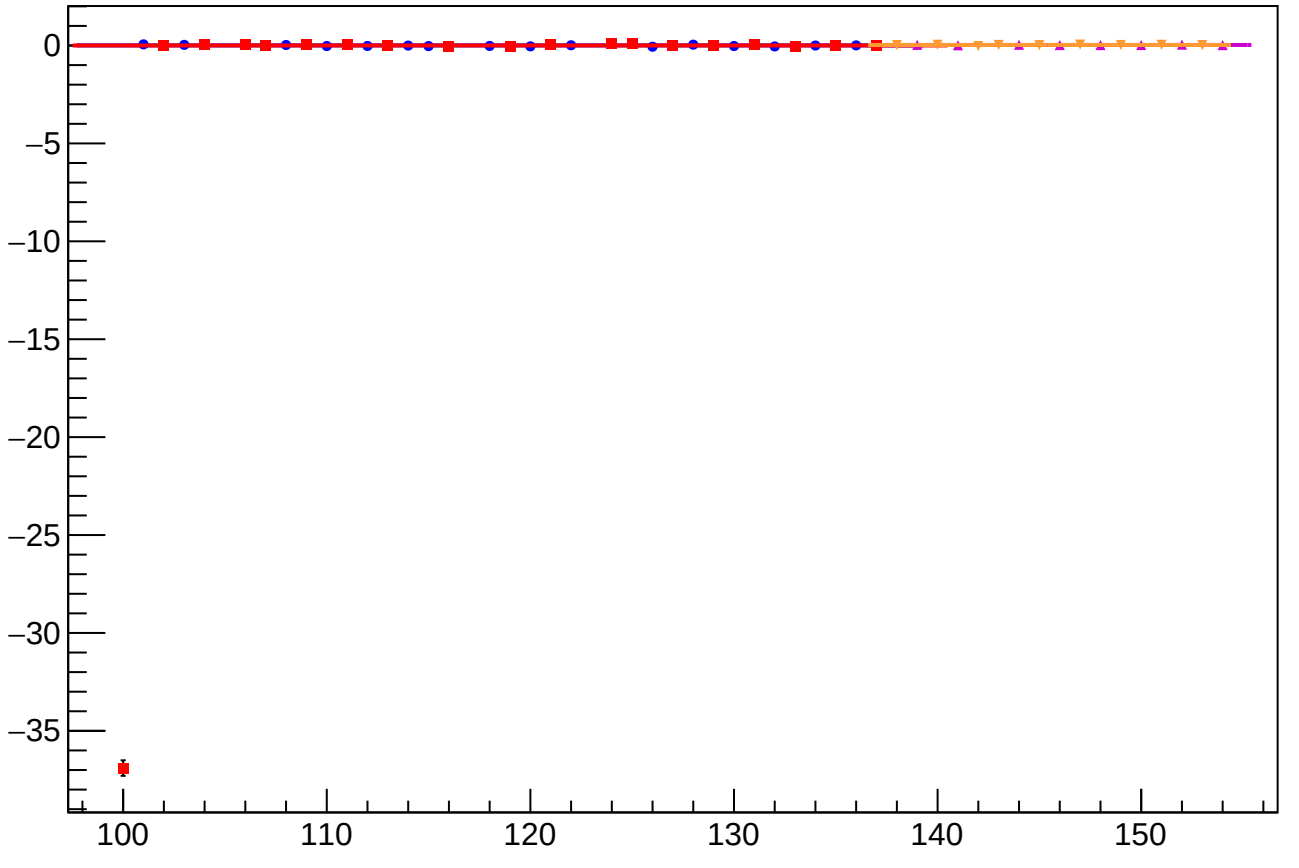
Left: 0.334+/-0.083 χ^2/NDF: 22.3/16

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.310+/-0.087 χ^2/NDF:35.4/23

Out: 0.323+/-0.086 χ^2/NDF:32.6/27

All: 0.317+/-0.061 χ^2/NDF: 68.1/51



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: 0.028+/-0.005 χ^2/NDF:3.2/7

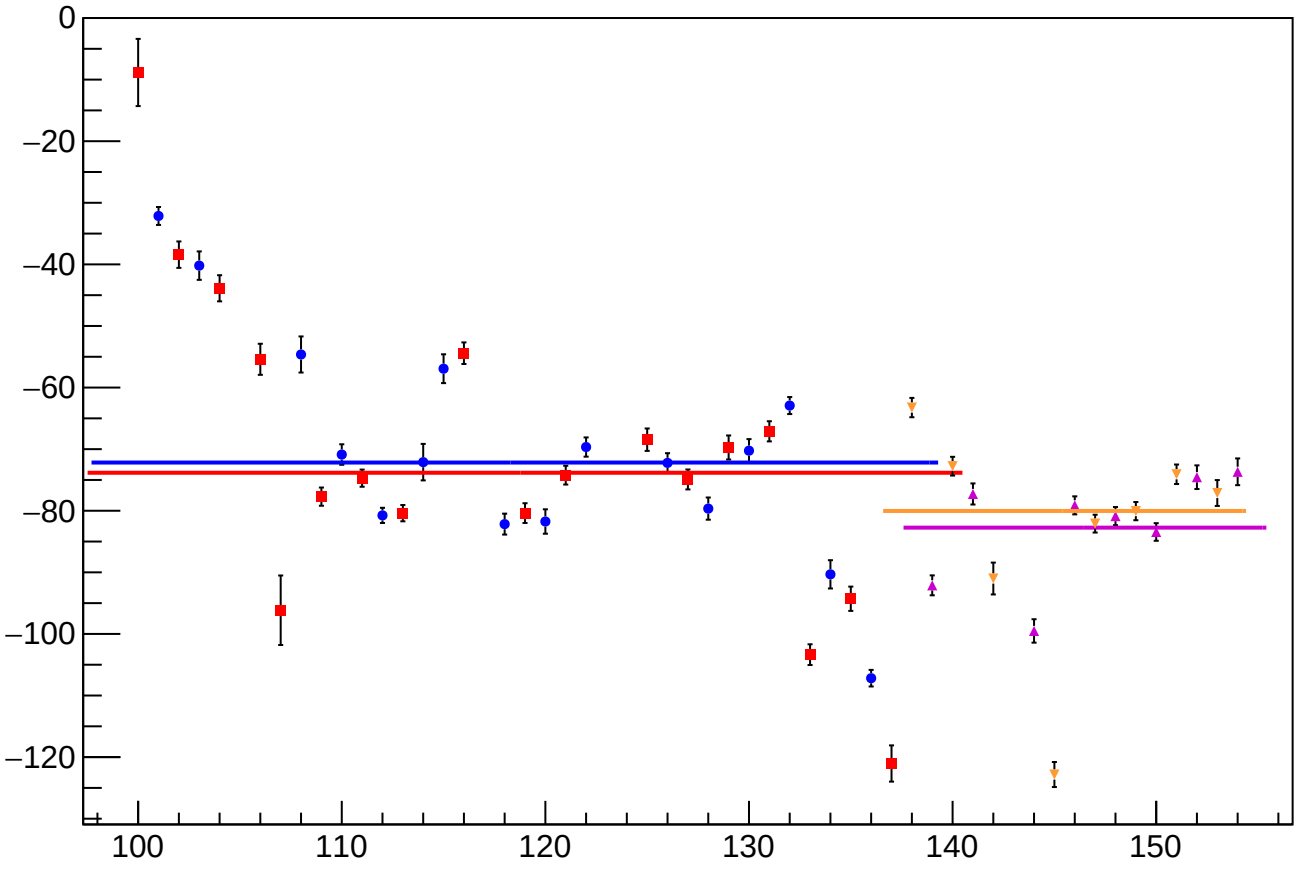
Left: 0.027+/-0.004 χ^2/NDF: 10.8/16

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.020+/-0.004 χ^2/NDF:26.3/23

Out: 0.018+/-0.004 χ^2/NDF:8767.8/27

All: 0.019+/-0.003 χ^2/NDF: 8794.2/51



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: -82.742+/-0.587 χ^2/NDF:165.1/7

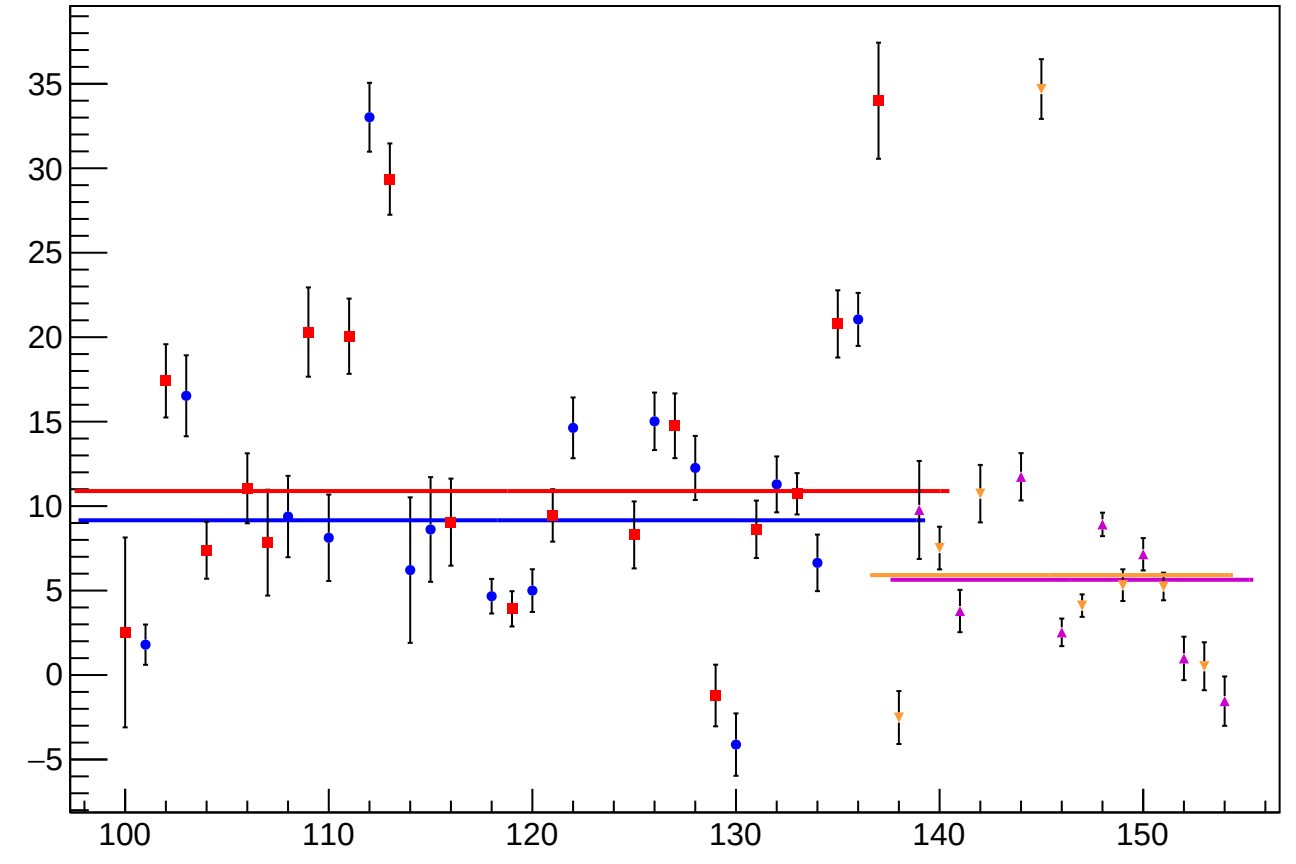
Left: -81.413+/-0.419 χ^2/NDF: 792.2/15

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.883+/-0.348 χ^2/NDF:2311.2/23

Out: -75.946+/-0.350 χ^2/NDF:2245.2/25

All: -75.914+/-0.247 χ^2/NDF: 4556.4/49



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.915+/-0.376 χ^2/NDF:326.5/7

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 5.639+/-0.378 χ^2/NDF:99.8/7

Left: 5.778+/-0.266 χ^2/NDF: 426.5/15

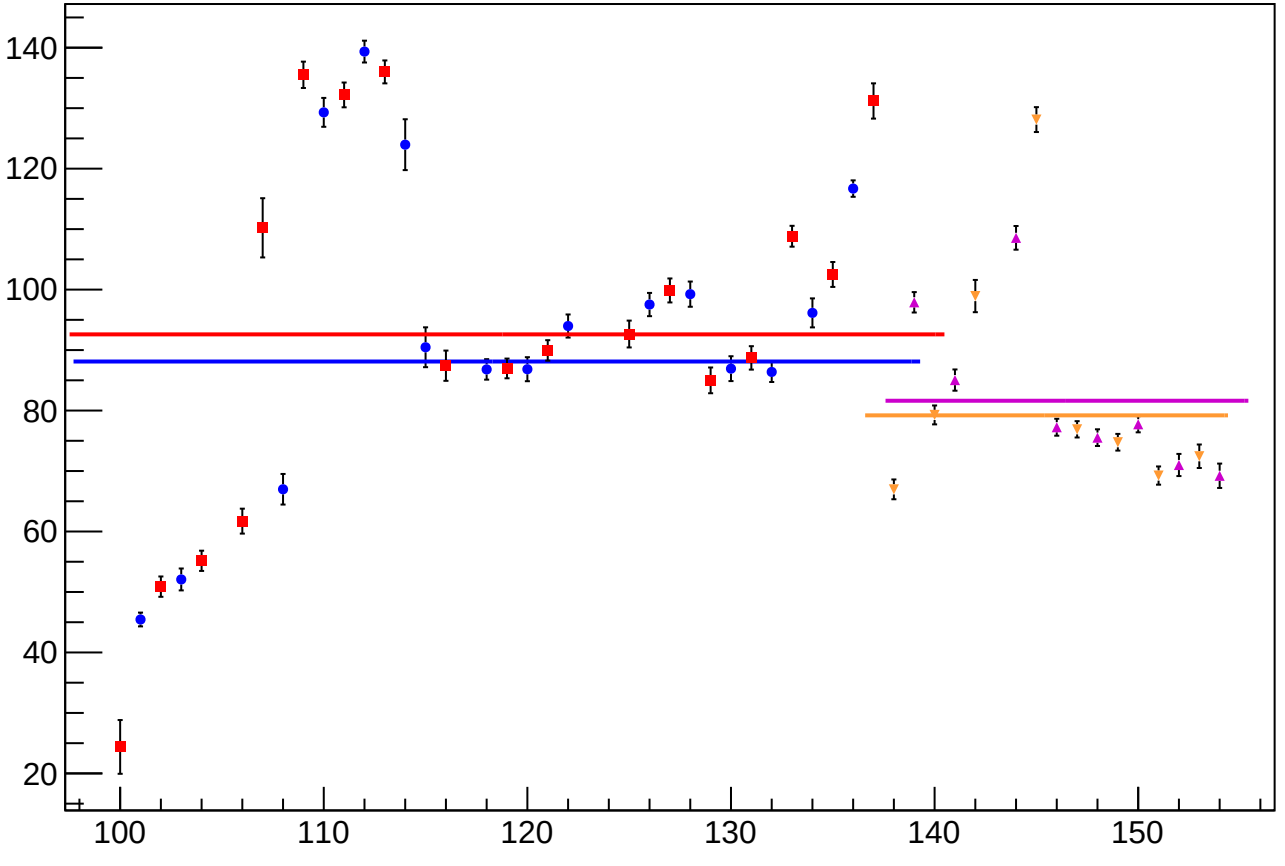
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 7.193+/-0.282 χ^2/NDF:490.2/23

Out: 8.013+/-0.286 χ^2/NDF:690.6/25

All: 7.598+/-0.201 χ^2/NDF: 1185.0/49

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 79.205+/-0.583 χ^2/NDF:744.1/7

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 81.622+/-0.570 χ^2/NDF:395.4/7

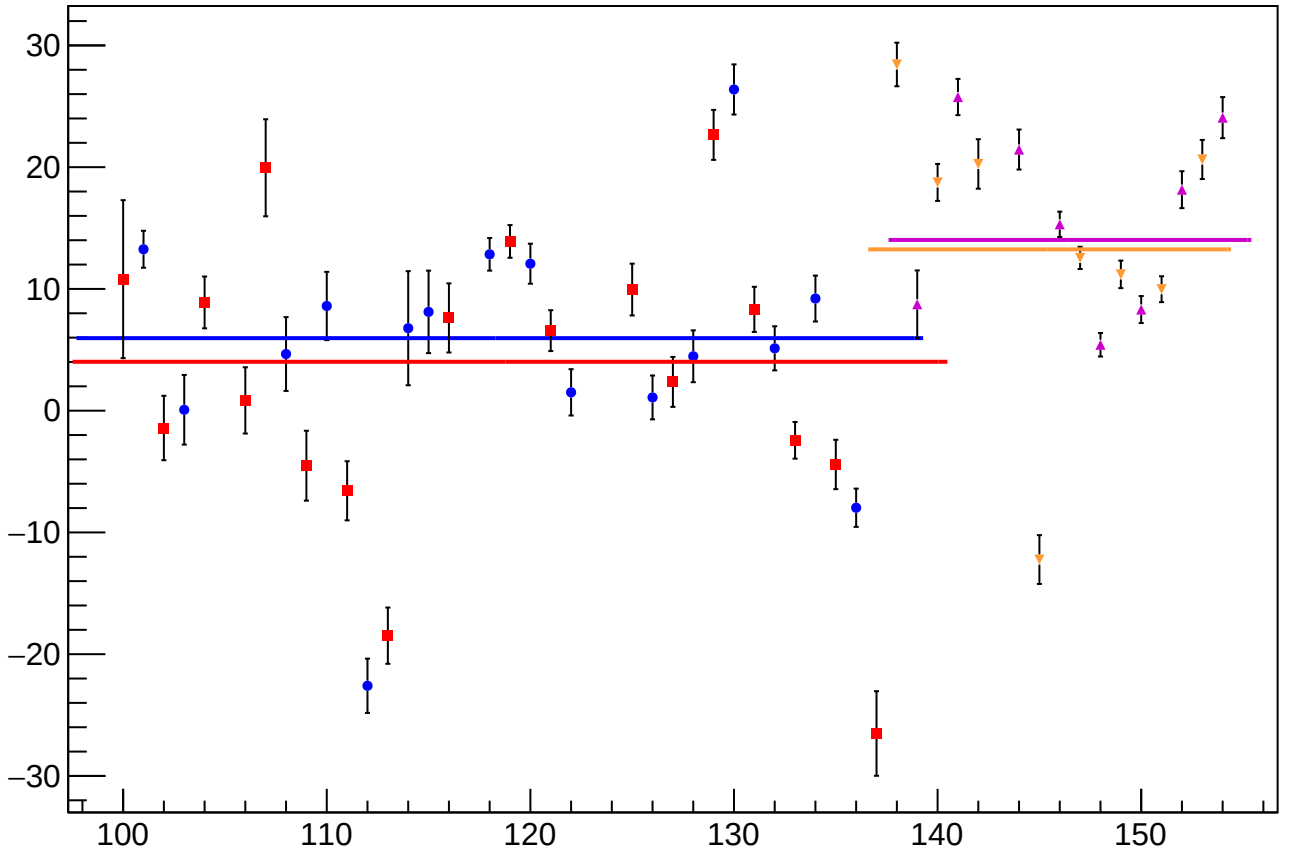
Left: 80.441+/-0.408 χ^2/NDF: 1148.4/15

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 85.493+/-0.362 χ^2/NDF:4034.4/23

Out: 87.148+/-0.372 χ^2/NDF:4267.7/25

All: 86.298+/-0.259 χ^2/NDF: 8312.3/49



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: 14.023+/-0.469 χ^2/NDF:236.5/7

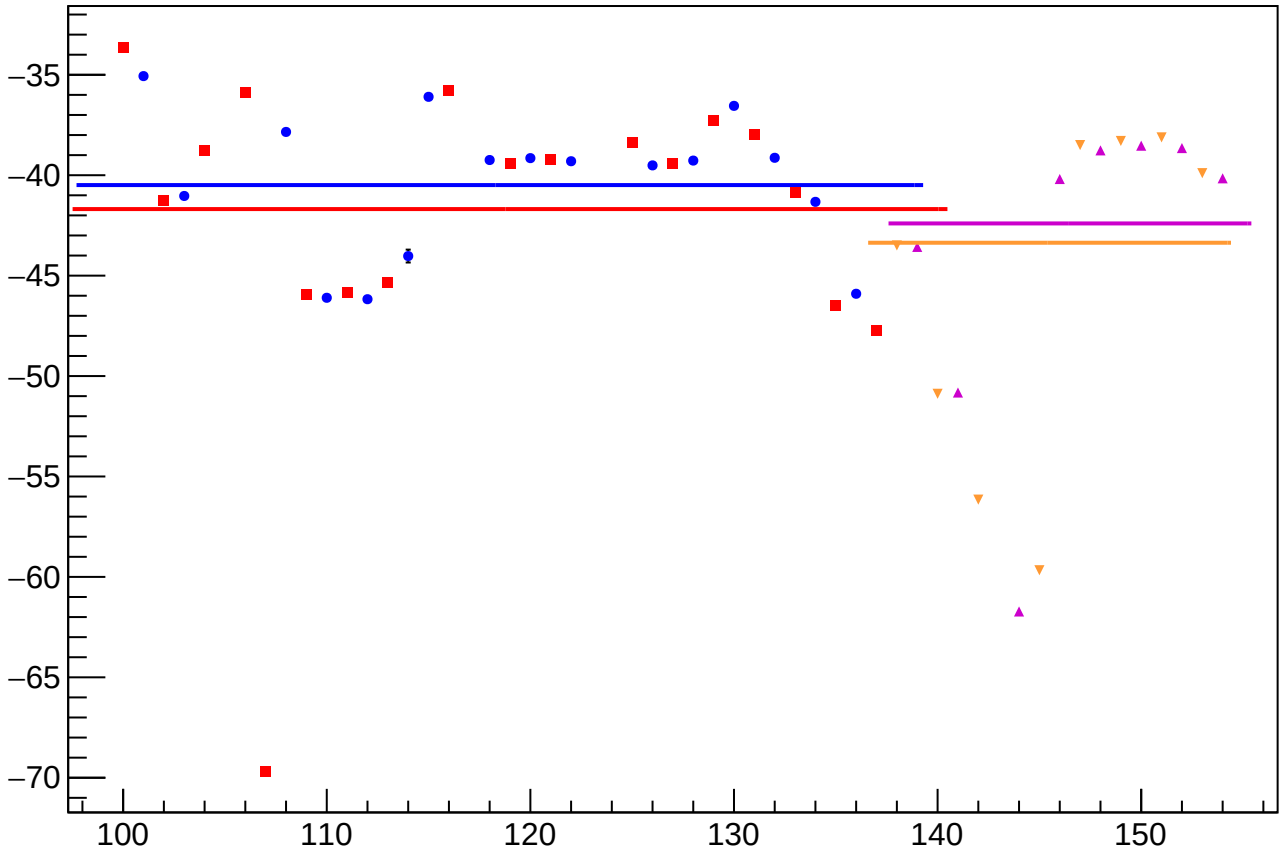
Left: 13.639+/-0.333 χ^2/NDF: 530.6/15

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 10.205+/-0.340 χ^2/NDF:803.2/23

Out: 8.989+/-0.346 χ^2/NDF:887.3/25

All: 9.607+/-0.243 χ^2/NDF: 1696.7/49



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -43.362+/-0.024 χ^2/NDF:90152.3/7

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -42.400+/-0.022 χ^2/NDF:77379.5/7

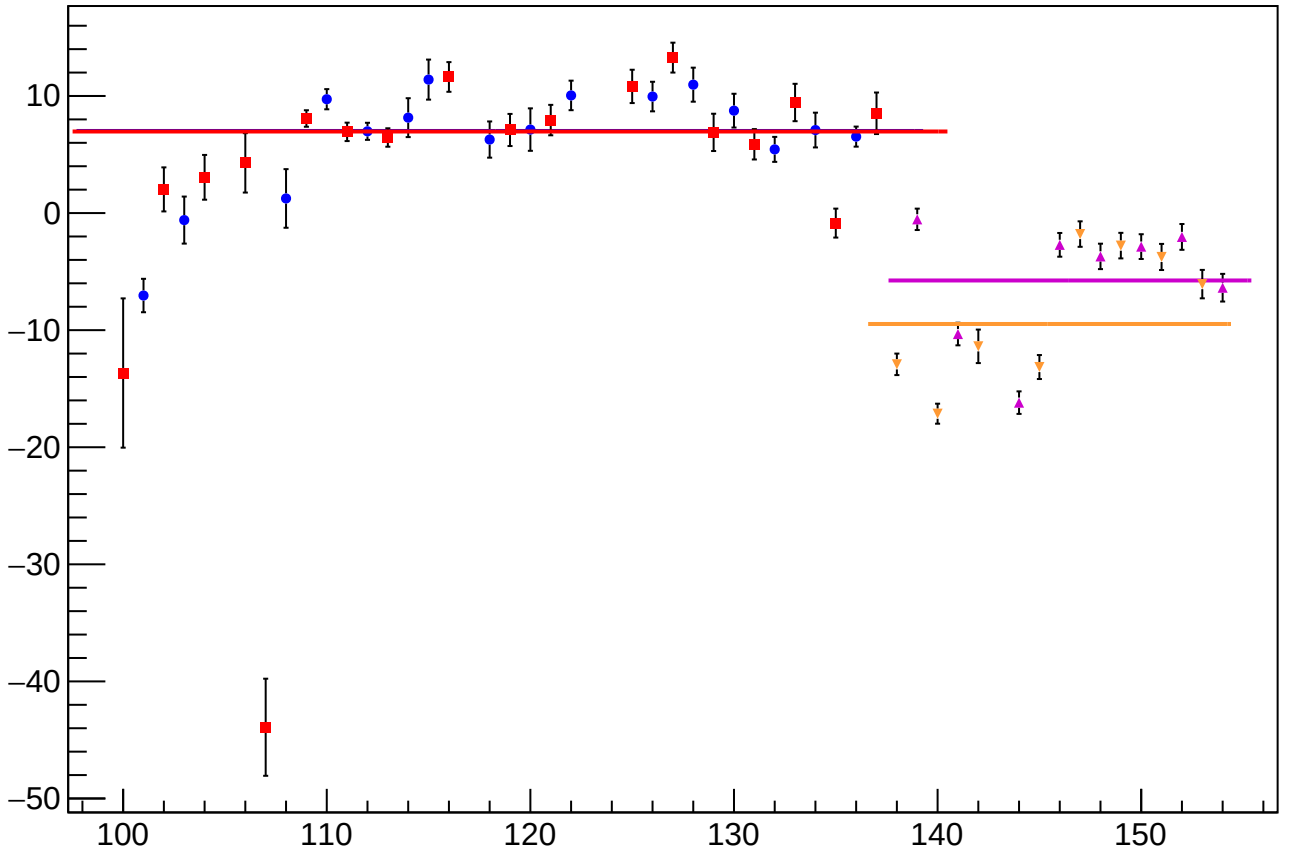
Left: -42.852+/-0.016 χ^2/NDF: 168392.6/15

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.663+/-0.018 χ^2/NDF:98297.9/23

Out: -42.692+/-0.018 χ^2/NDF:128961.8/25

All: -42.152+/-0.013 χ^2/NDF: 228882.4/49



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: -5.757+/-0.363 χ^2/NDF:204.5/7

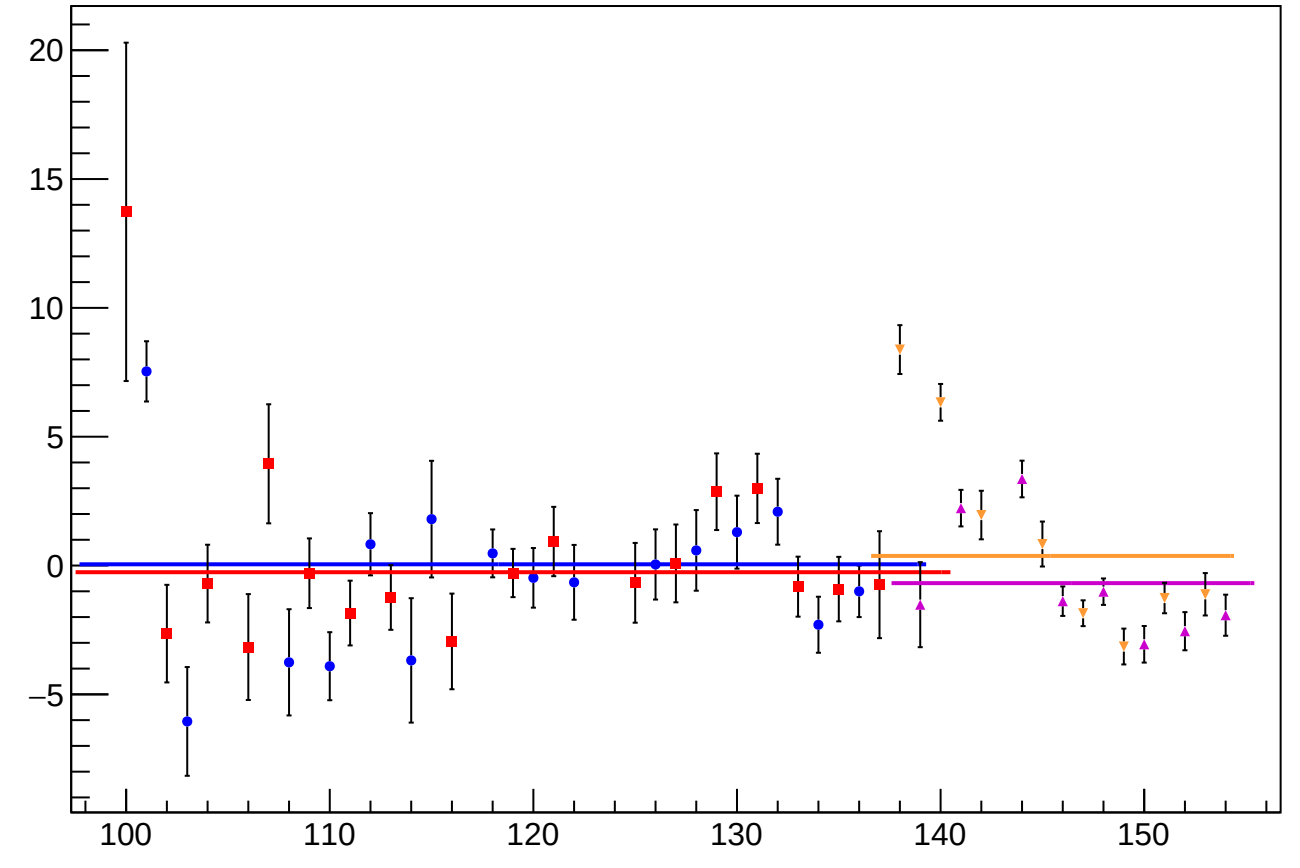
Left: -7.560+/-0.260 χ^2/NDF: 486.1/15

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 1.635+/-0.235 χ^2/NDF:1078.5/23

Out: 0.571+/-0.233 χ^2/NDF:1679.4/25

All: 1.098+/-0.166 χ^2/NDF: 2768.3/49



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.374+/-0.251 χ^2/NDF:200.4/7

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: -0.683+/-0.246 χ^2/NDF:71.3/7

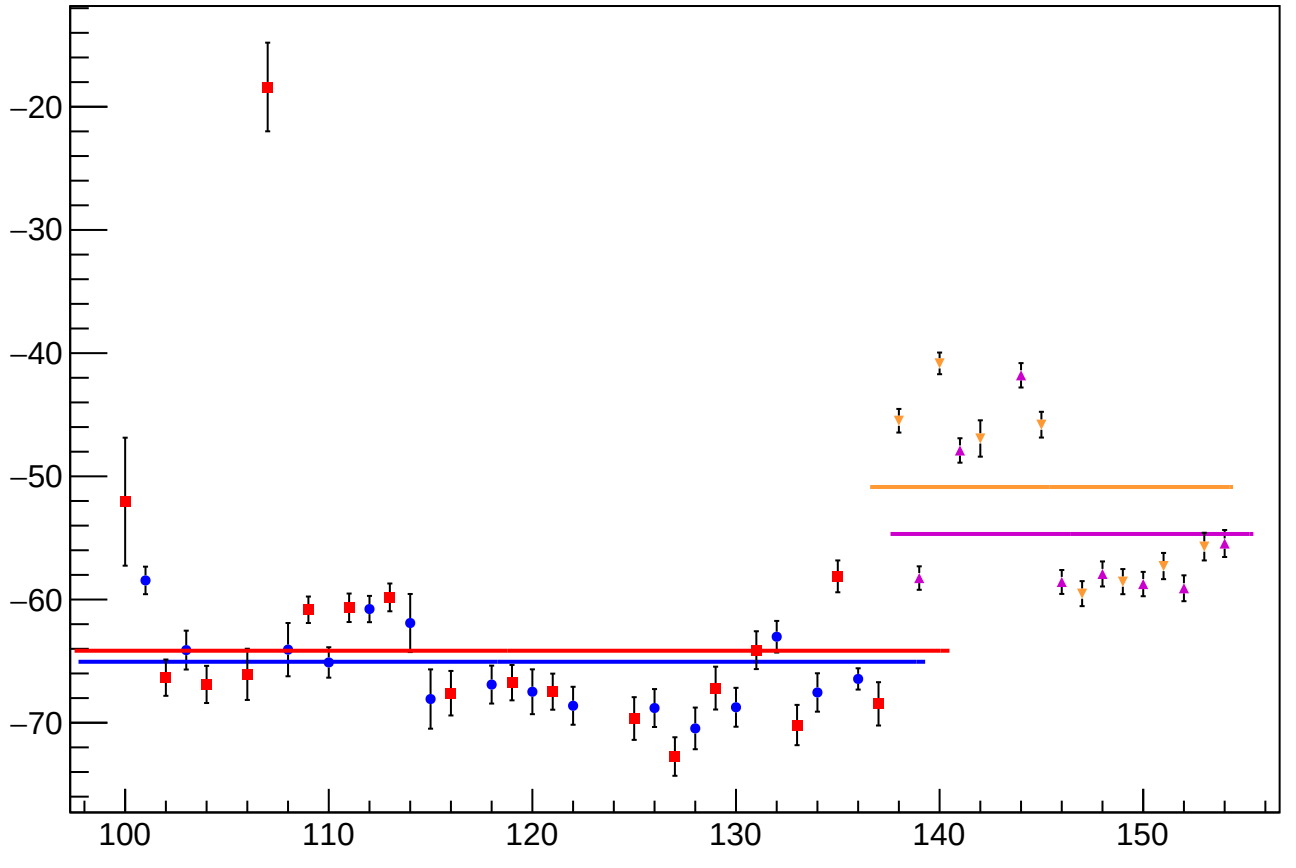
Left: -0.165+/-0.175 χ^2/NDF: 280.7/15

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.423+/-0.197 χ^2/NDF:149.4/23

Out: 0.155+/-0.203 χ^2/NDF:230.2/25

All: -0.142+/-0.141 χ^2/NDF: 383.7/49



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: -54.677+/-0.355 χ^2/NDF:291.3/7

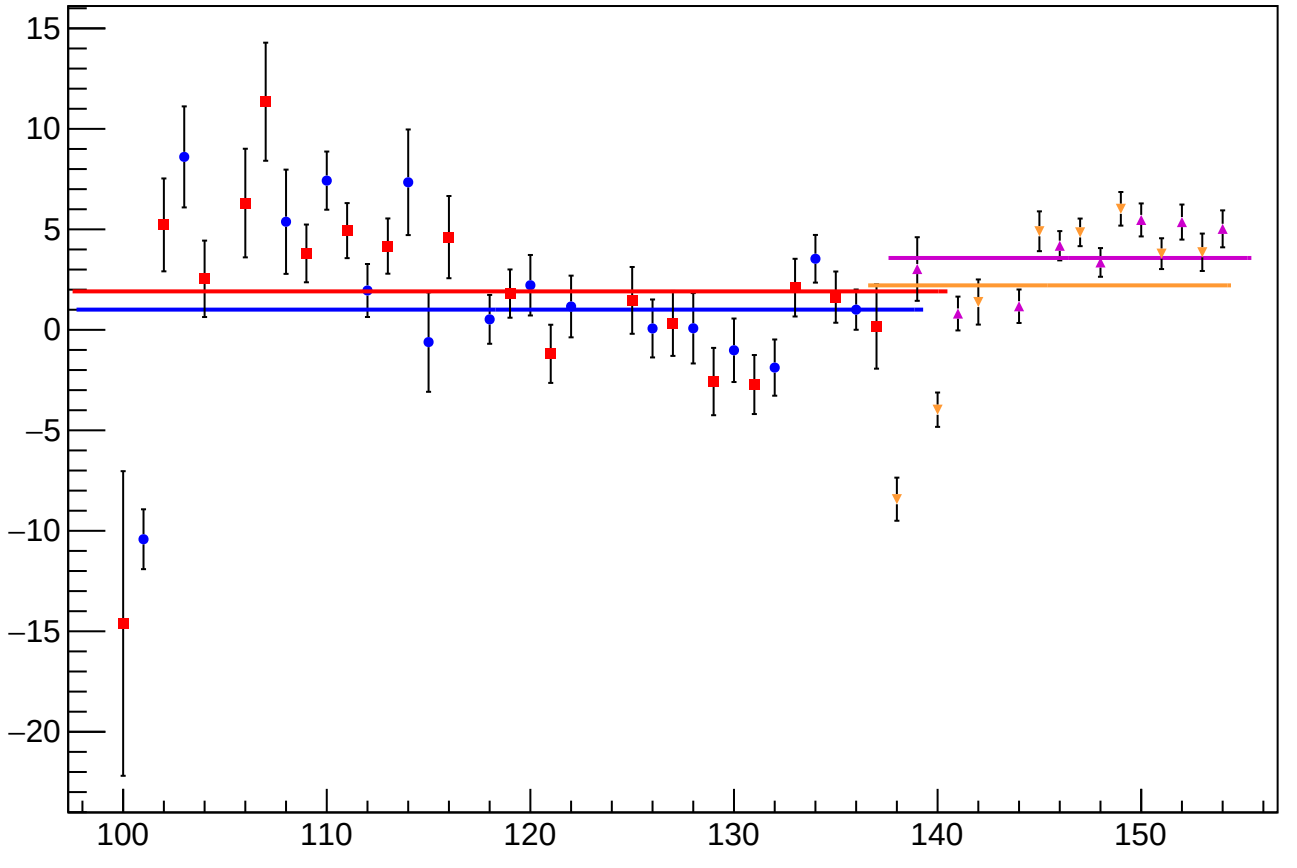
Left: -52.842+/-0.256 χ^2/NDF: 723.4/15

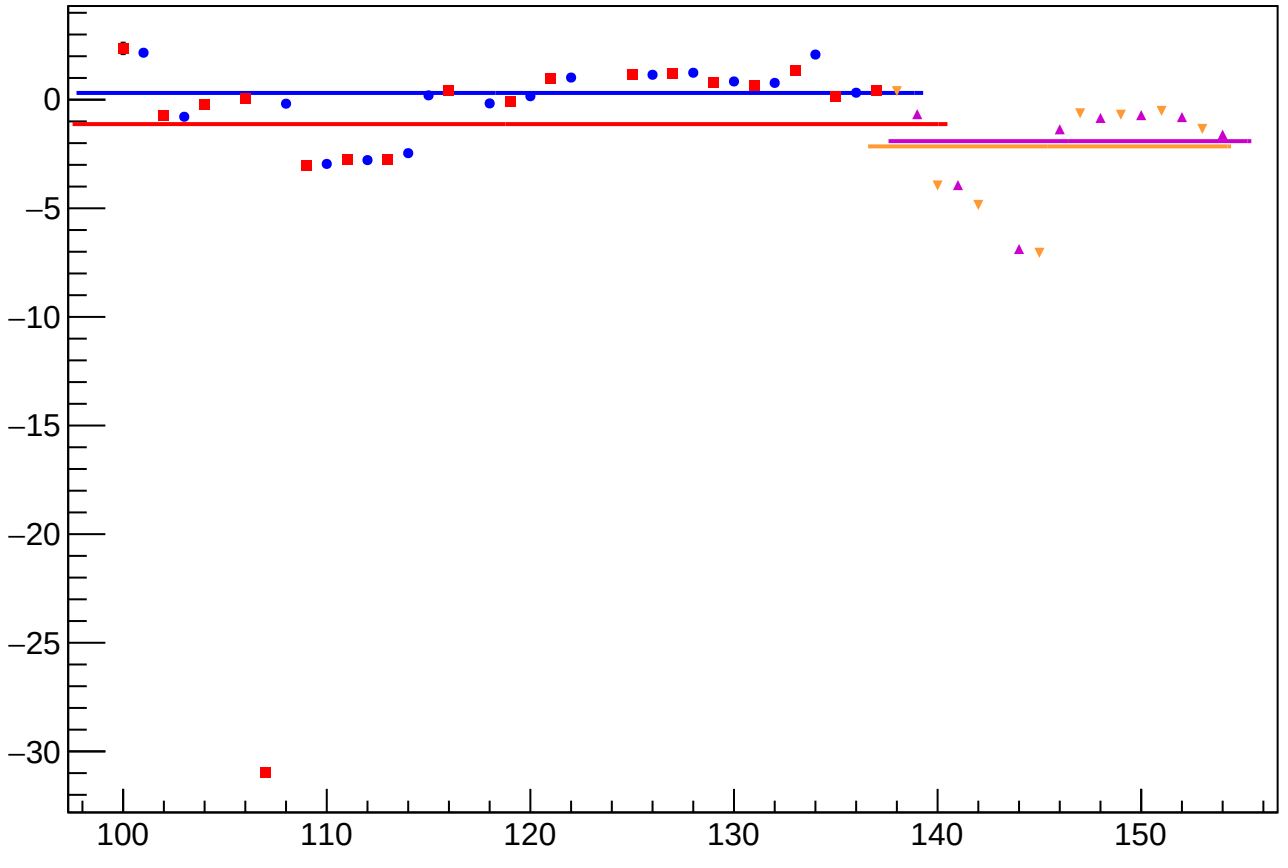
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -59.880+/-0.251 χ^2/NDF:812.1/23

Out: -57.658+/-0.258 χ^2/NDF:1345.0/25

All: -58.800+/-0.180 χ^2/NDF: 2195.4/49


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: 3.576+/-0.300 χ²/NDF:32.0/7
Left: 2.914+/-0.215 χ²/NDF: 243.6/15
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 2.574+/-0.235 χ²/NDF:169.8/23
Out: 2.097+/-0.242 χ²/NDF:256.5/25
All: 2.343+/-0.169 χ²/NDF: 428.3/49



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: -1.908+/-0.014 χ^2/NDF:19069.2/7

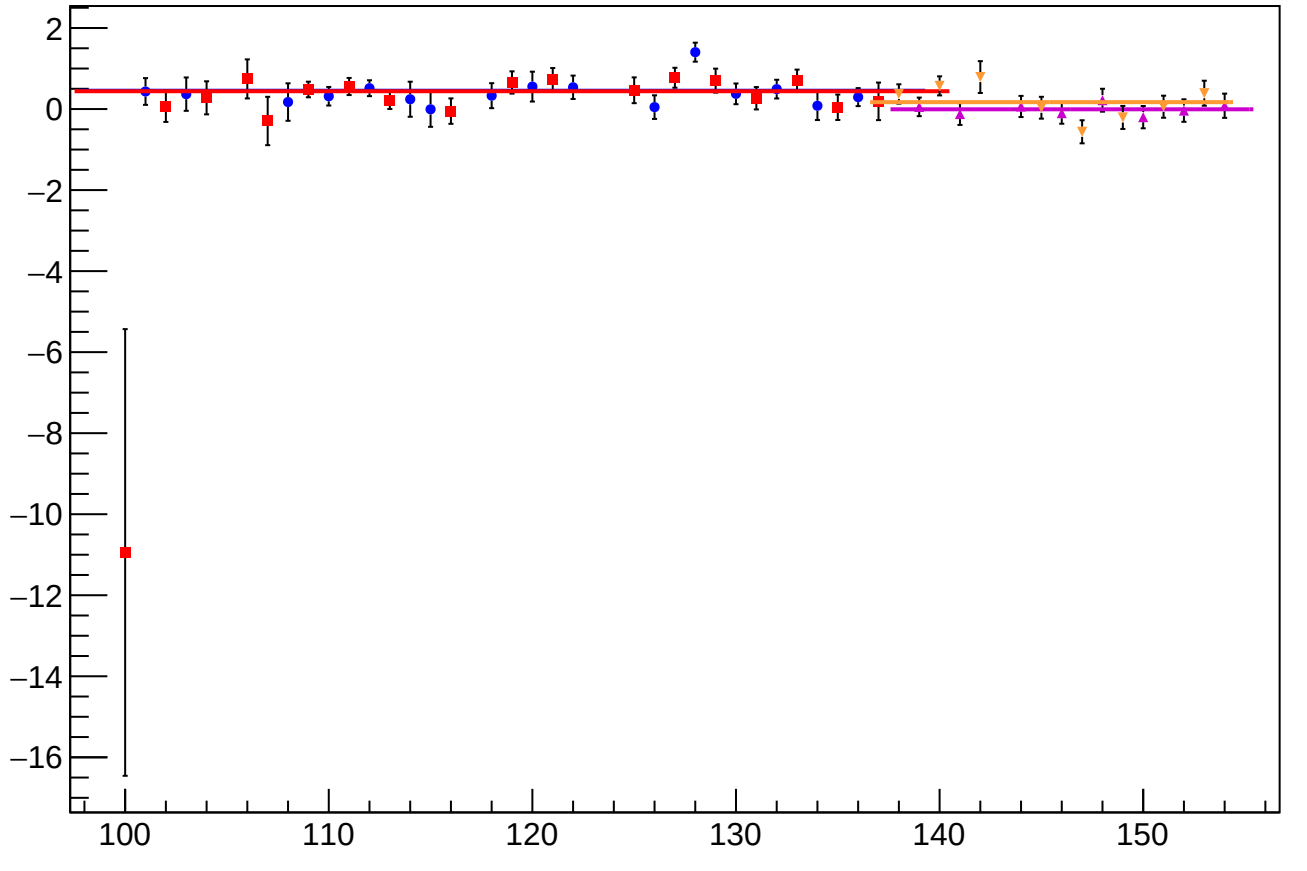
Left: -2.020+/-0.010 χ^2/NDF: 46212.4/15

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.238+/-0.012 χ^2/NDF:31659.2/23

Out: -1.832+/-0.012 χ^2/NDF:74822.1/25

All: -1.515+/-0.008 χ^2/NDF: 107709.3/49



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.170+/-0.098 χ^2/NDF:15.4/7

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.006+/-0.094 χ^2/NDF:1.7/7

Left: 0.079+/-0.068 χ^2/NDF: 18.8/15

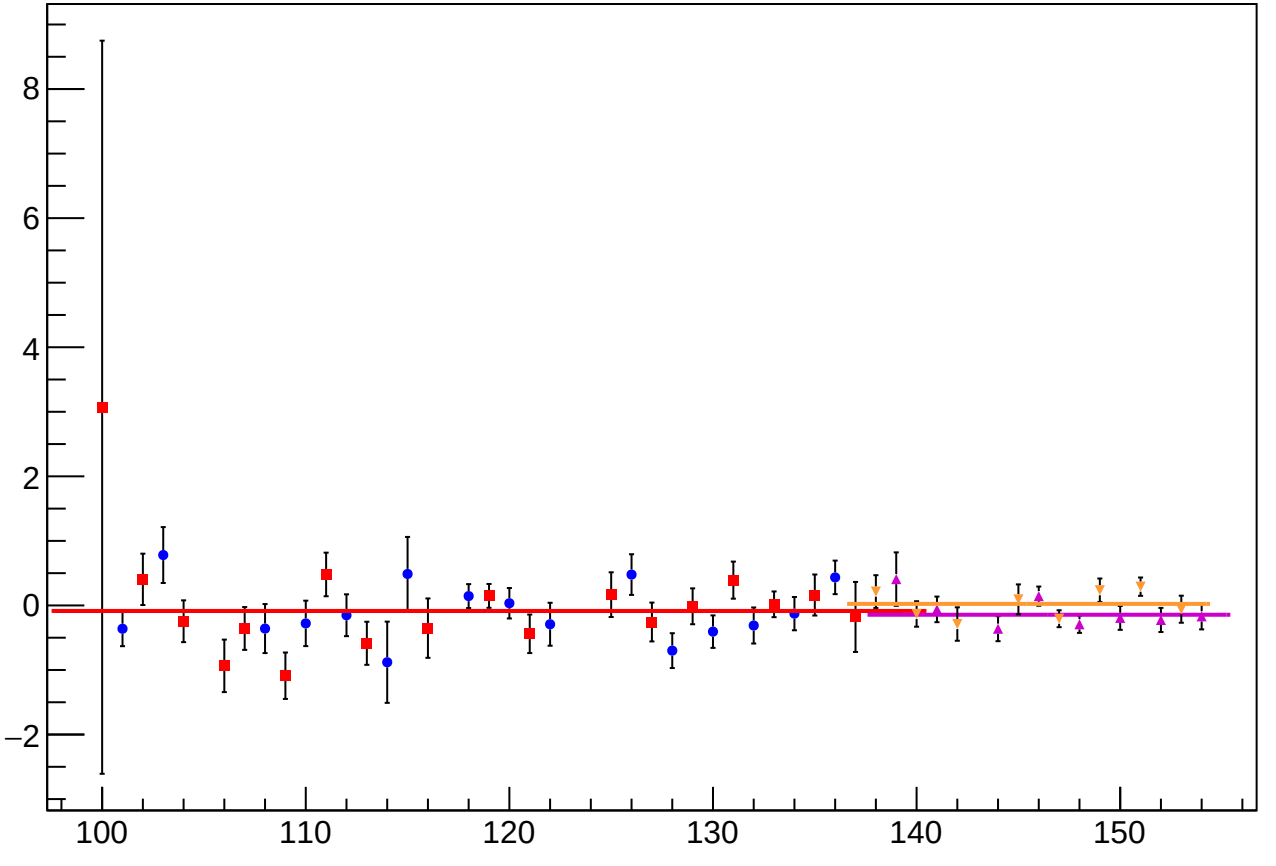
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.286+/-0.057 χ^2/NDF:39.3/23

Out: 0.349+/-0.057 χ^2/NDF:39.0/25

All: 0.318+/-0.040 χ^2/NDF: 79.0/49

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: -0.144+/-0.064 χ^2/NDF:8.5/7

Left: -0.061+/-0.046 χ^2/NDF: 22.7/15

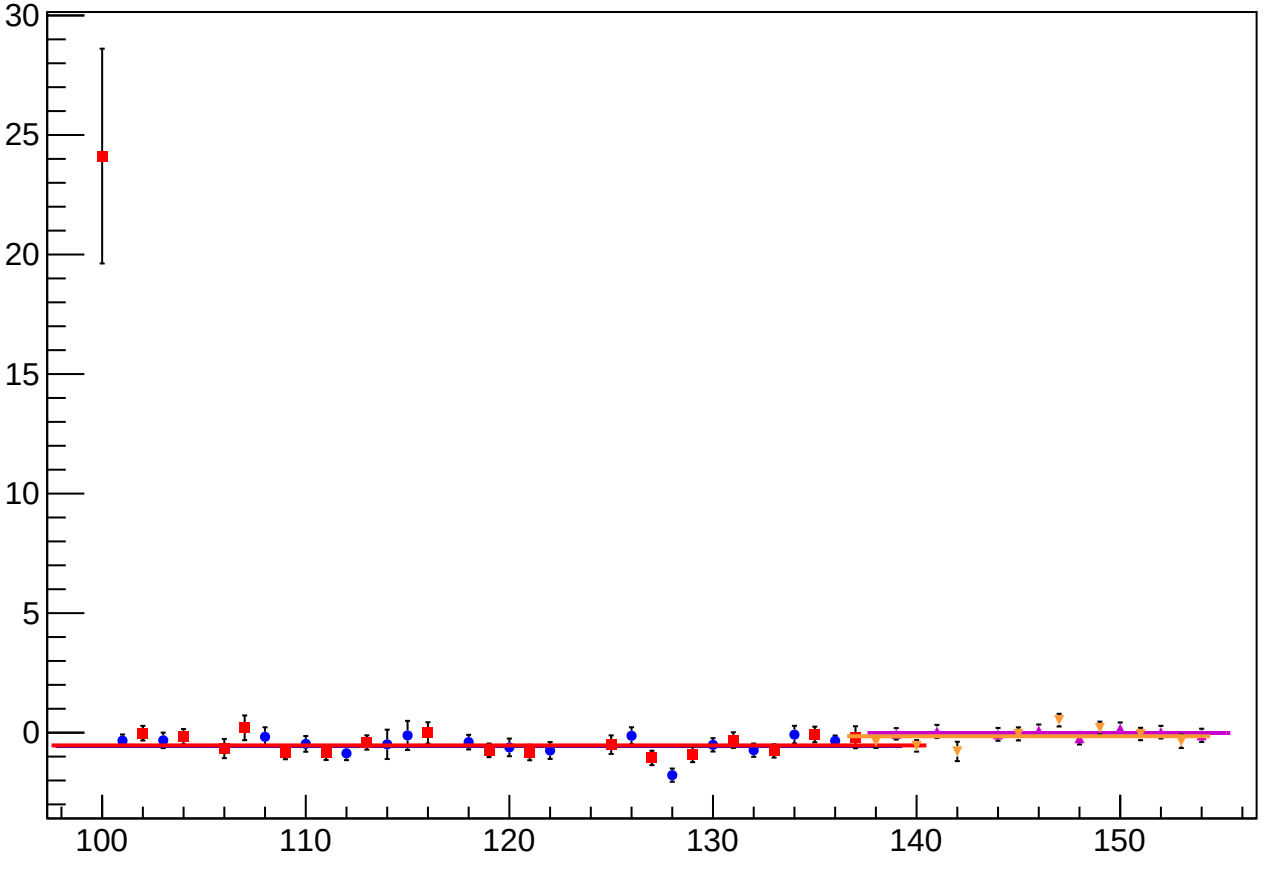
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.119+/-0.048 χ^2/NDF:34.2/23

Out: -0.024+/-0.049 χ^2/NDF:40.0/25

All: -0.072+/-0.034 χ^2/NDF: 76.1/49

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: -0.014+/-0.092 χ^2/NDF:1.6/7

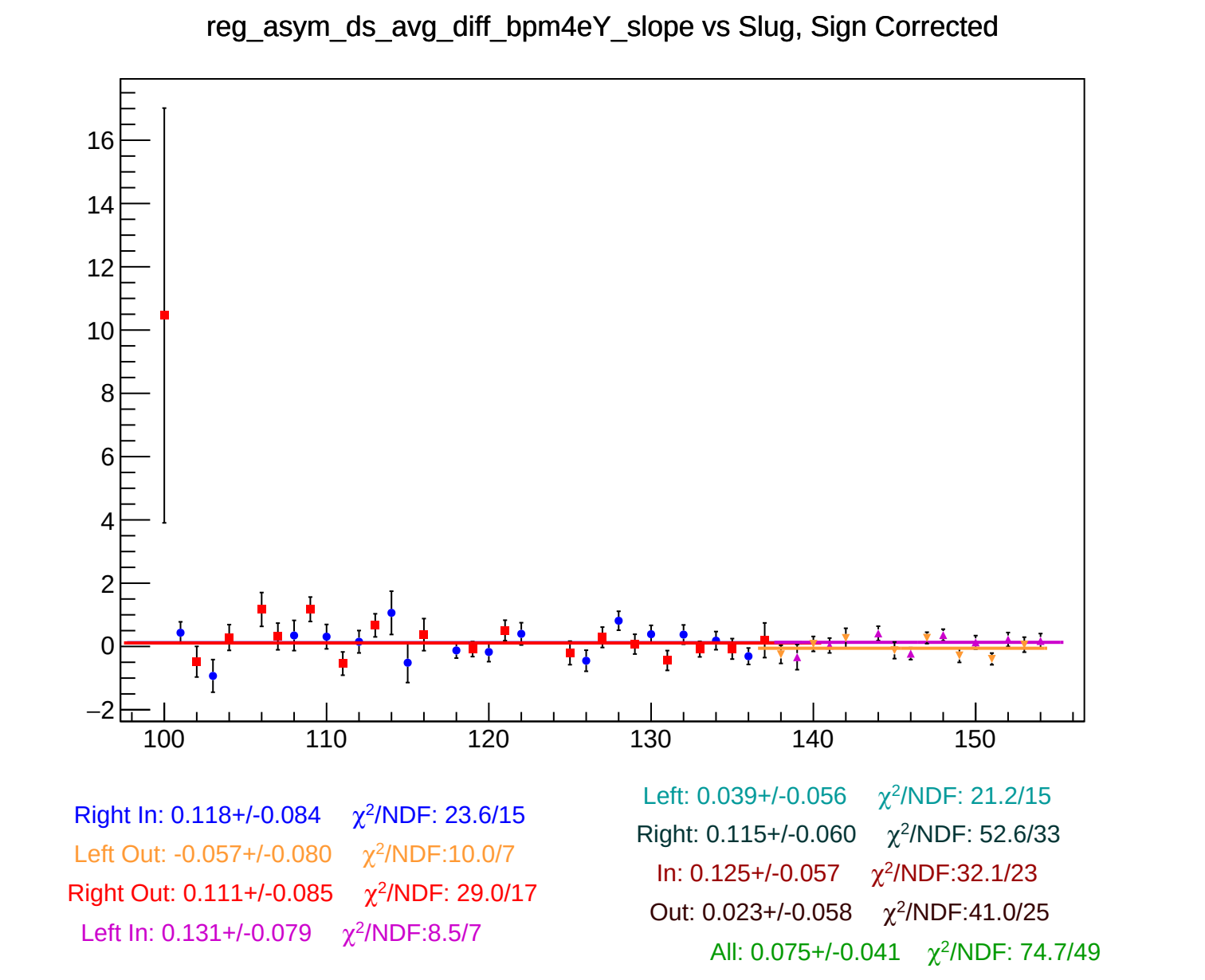
Left: -0.079+/-0.067 χ^2/NDF: 17.8/15

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

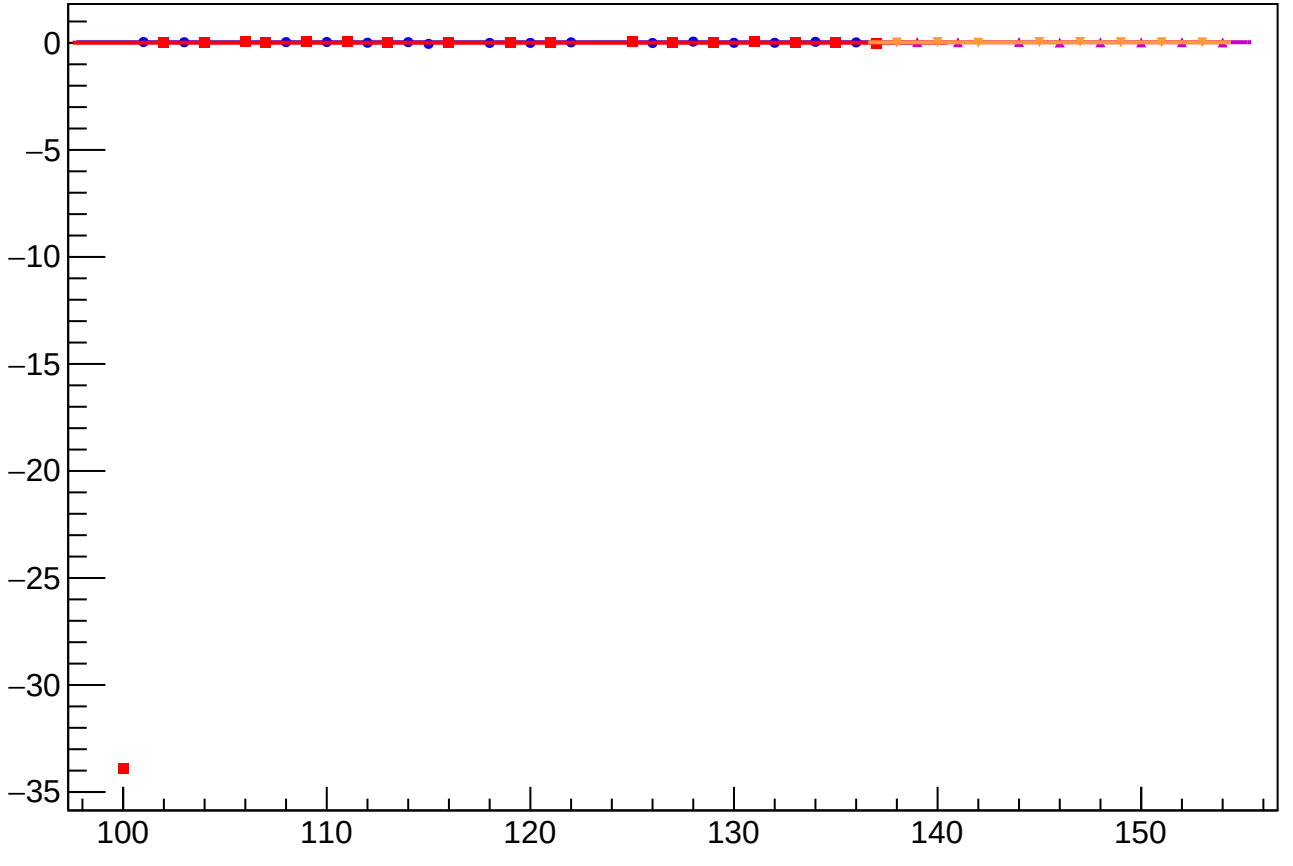
In: -0.326+/-0.060 χ^2/NDF:49.9/23

Out: -0.375+/-0.062 χ^2/NDF:73.6/25

All: -0.350+/-0.043 χ^2/NDF: 123.8/49


reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
16
14
12
10
8
6
4
2
0
−2
100
110
120
130
140
150
Right In: 0.118+/-0.084 χ²/NDF: 23.6/15
Left Out: -0.057+/-0.080 χ²/NDF:10.0/7
Right Out: 0.111+/-0.085 χ²/NDF: 29.0/17
Left In: 0.131+/-0.079 χ²/NDF:8.5/7
Left: 0.039+/-0.056 χ²/NDF: 21.2/15
Right: 0.115+/-0.060 χ²/NDF: 52.6/33
In: 0.125+/-0.057 χ²/NDF:32.1/23
Out: 0.023+/-0.058 χ²/NDF:41.0/25
All: 0.075+/-0.041 χ²/NDF: 74.7/49

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: 0.033+/-0.004 χ^2/NDF:5.6/7

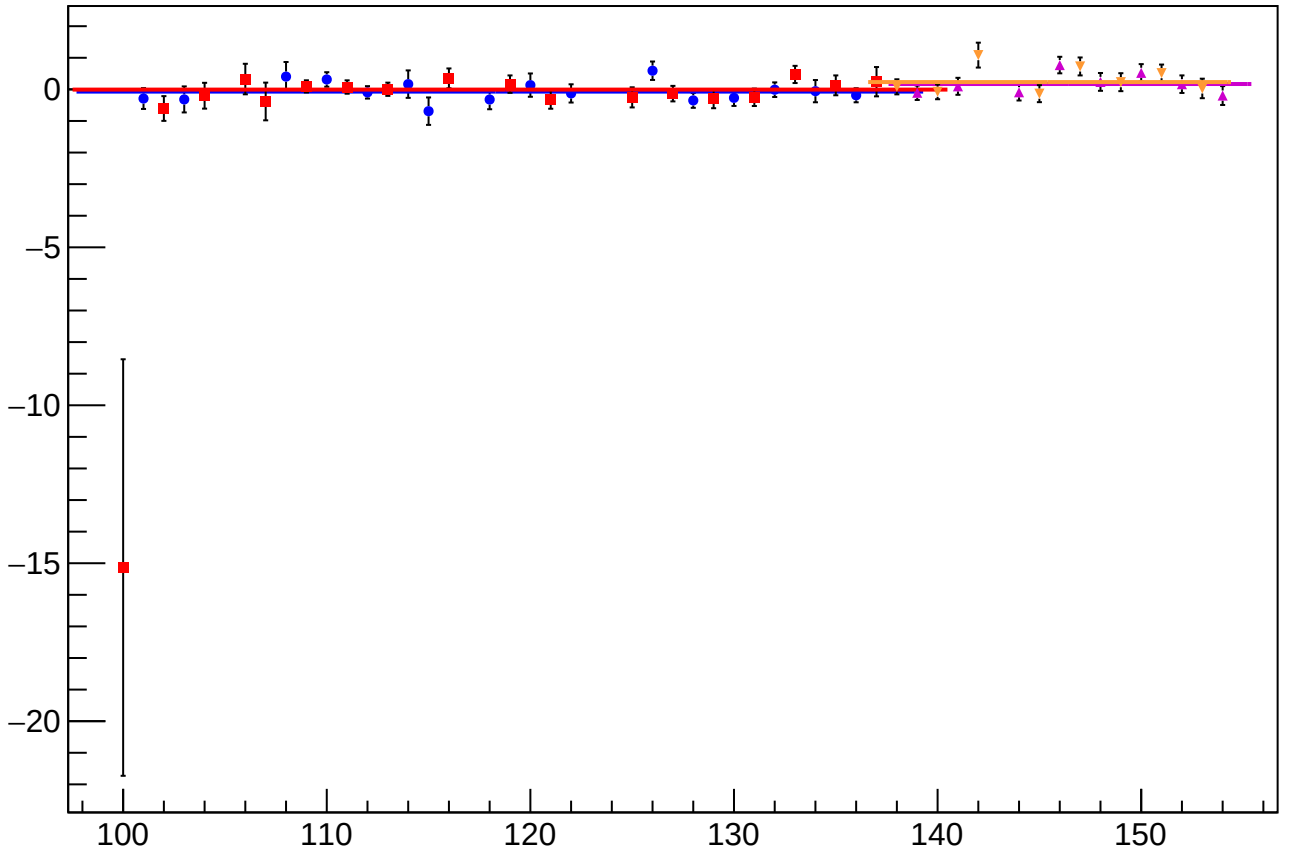
Left: 0.030+/-0.003 χ^2/NDF: 14.5/15

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.003 χ^2/NDF:21.0/23

Out: 0.021+/-0.003 χ^2/NDF:22275.5/25

All: 0.026+/-0.002 χ^2/NDF: 22302.0/49



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: 0.170+/-0.094 χ^2/NDF:11.0/7

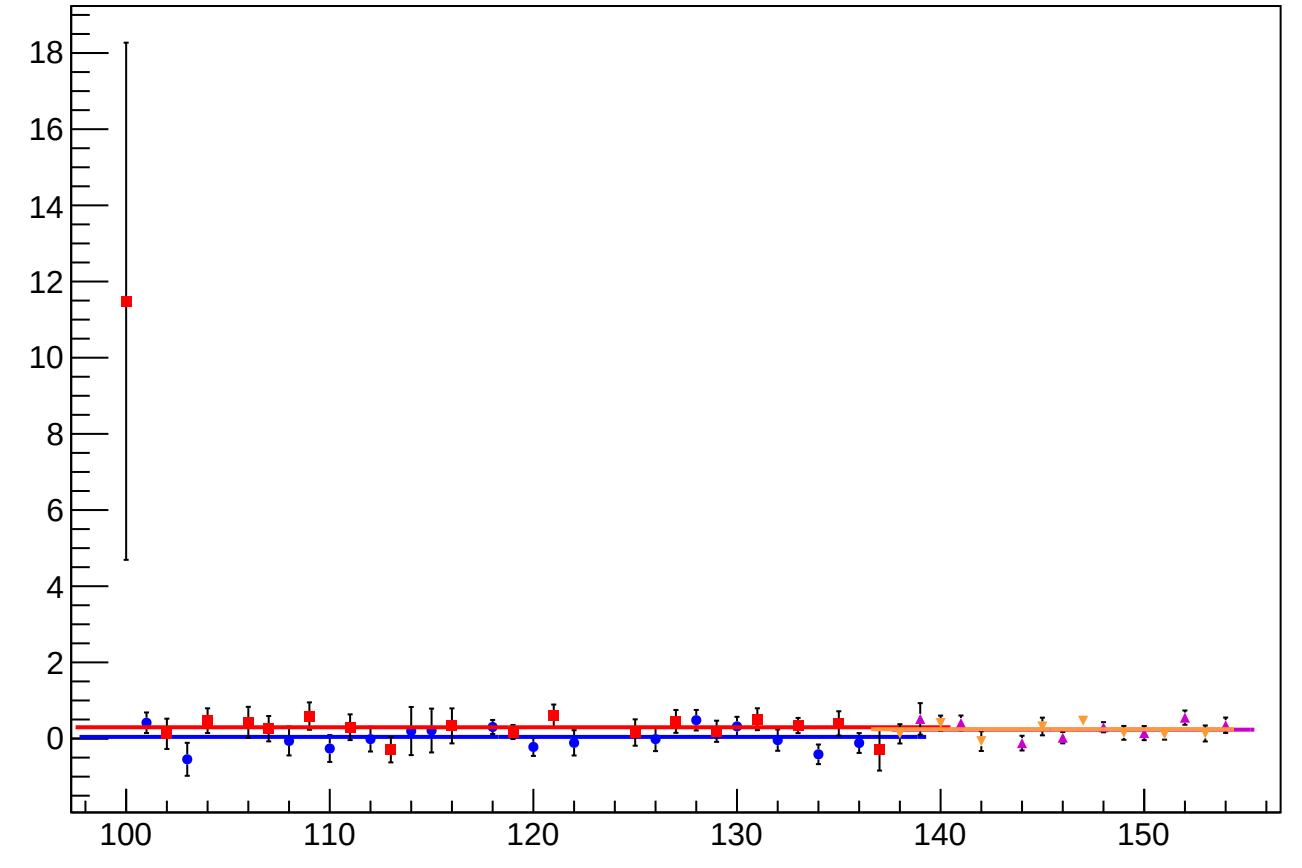
Left: 0.200+/-0.068 χ^2/NDF: 24.4/15

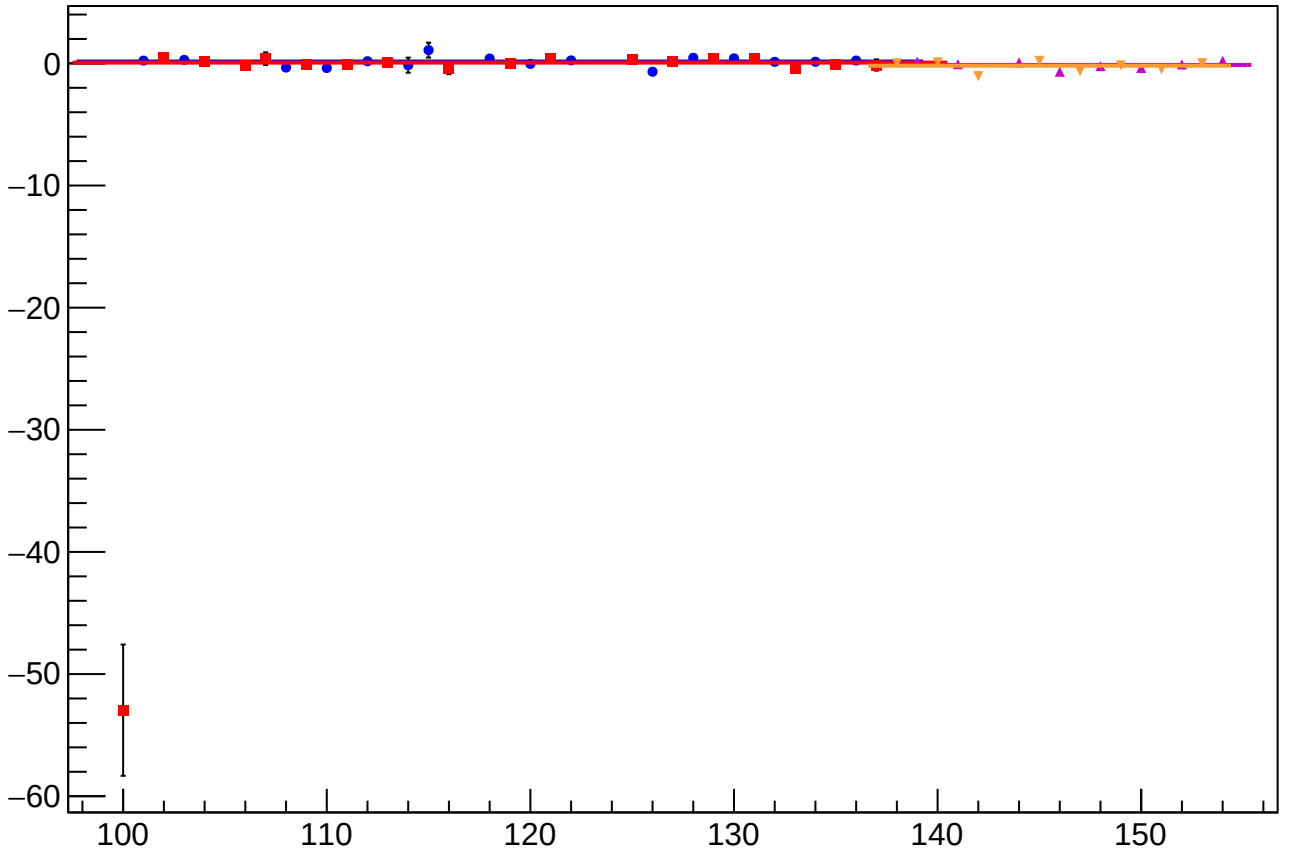
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.017+/-0.057 χ^2/NDF:30.6/23

Out: 0.073+/-0.057 χ^2/NDF:35.3/25

All: 0.045+/-0.040 χ^2/NDF: 66.4/49


reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
100
110
120
130
140
150
Right In: 0.044+/-0.073 χ²/NDF: 15.7/15
Left Out: 0.245+/-0.065 χ²/NDF:6.7/7
Right Out: 0.296+/-0.074 χ²/NDF: 11.0/17
Left In: 0.233+/-0.064 χ²/NDF:10.2/7
Left: 0.239+/-0.046 χ²/NDF: 17.0/15
Right: 0.169+/-0.052 χ²/NDF: 32.6/33
In: 0.150+/-0.048 χ²/NDF:29.7/23
Out: 0.267+/-0.049 χ²/NDF:18.0/25
All: 0.208+/-0.034 χ²/NDF: 50.7/49



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: -0.129+/-0.092 χ^2/NDF:9.3/7

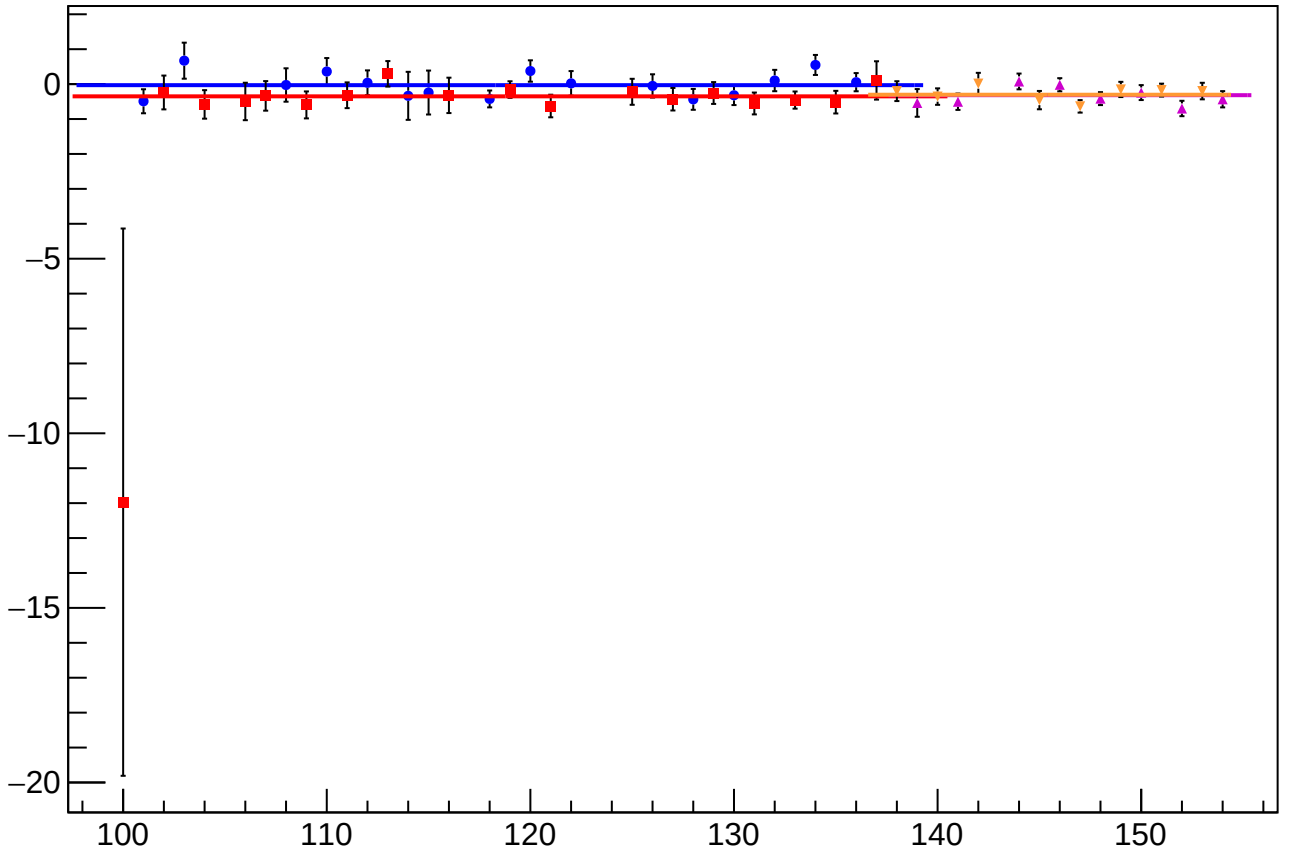
Left: -0.159+/-0.067 χ^2/NDF: 22.5/15

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.033+/-0.060 χ^2/NDF:30.3/23

Out: -0.041+/-0.062 χ^2/NDF:126.5/25

All: -0.003+/-0.043 χ^2/NDF: 157.5/49



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.304+/-0.080 χ^2/NDF:6.2/7

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.317+/-0.079 χ^2/NDF:10.1/7

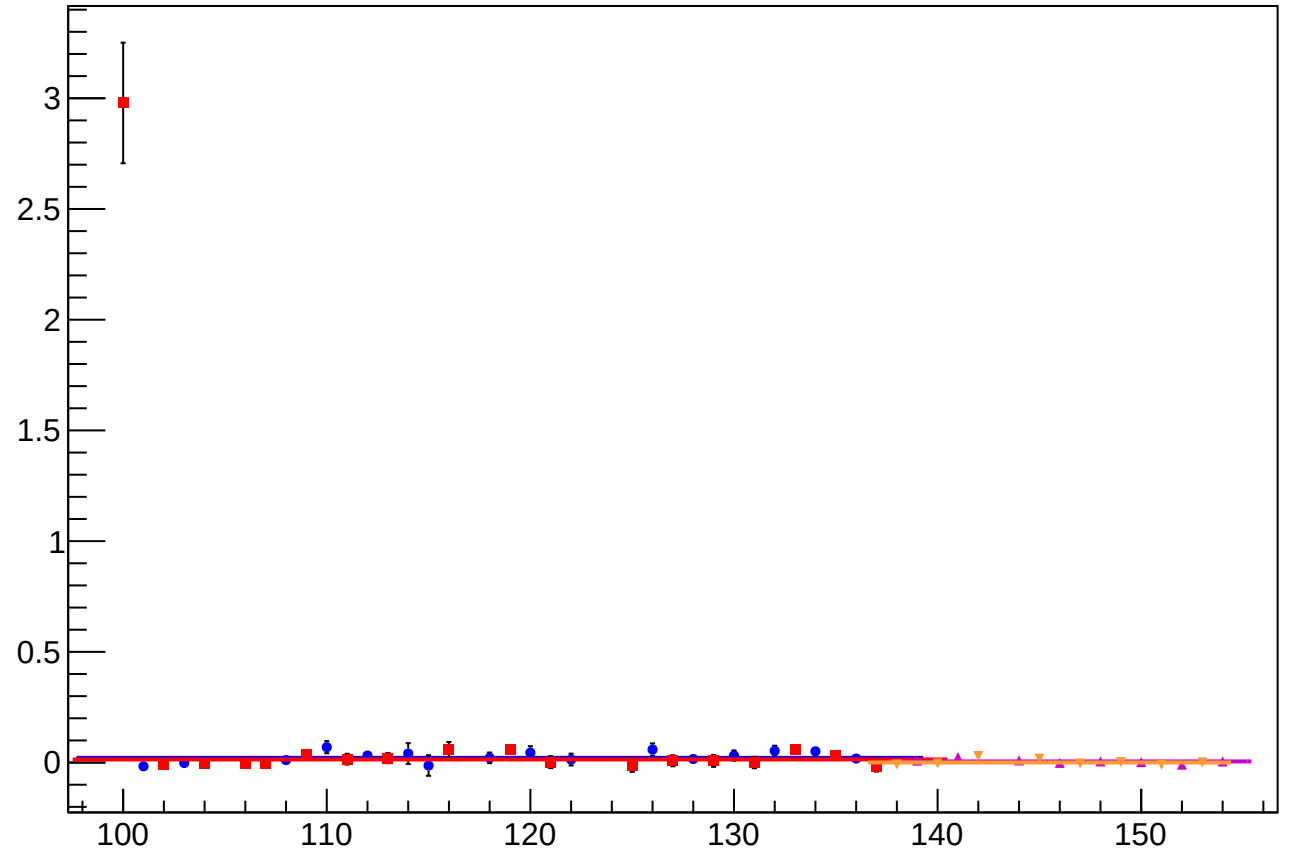
Left: -0.311+/-0.056 χ^2/NDF: 16.4/15

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.183+/-0.057 χ^2/NDF:33.1/23

Out: -0.326+/-0.058 χ^2/NDF:15.8/25

All: -0.253+/-0.041 χ^2/NDF: 52.0/49



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:6.1/7

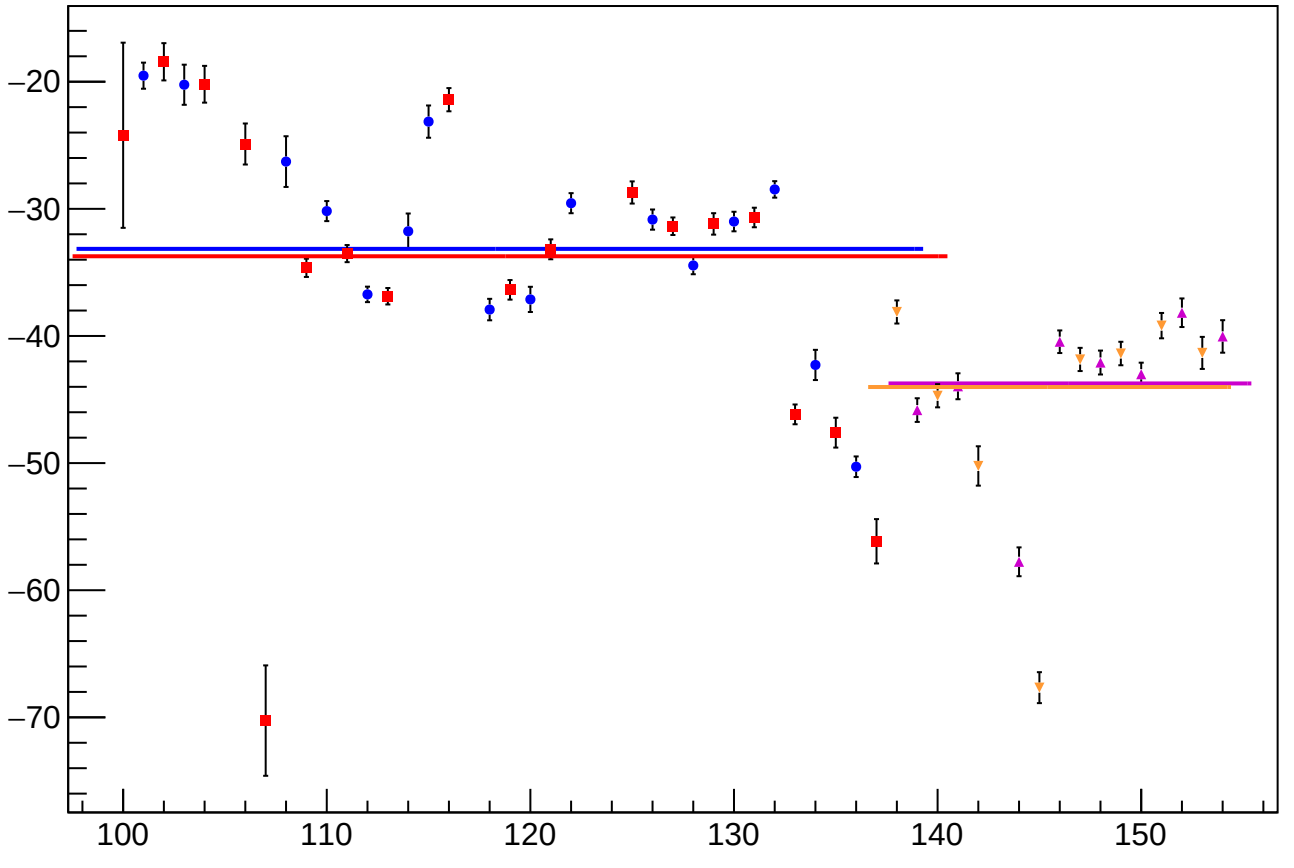
Left: 0.003+/-0.003 χ^2/NDF: 14.6/15

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.011+/-0.003 χ^2/NDF:35.7/23

Out: 0.006+/-0.003 χ^2/NDF:153.4/25

All: 0.008+/-0.002 χ^2/NDF: 190.7/49



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: -43.734+/-0.356 χ^2/NDF:208.3/7

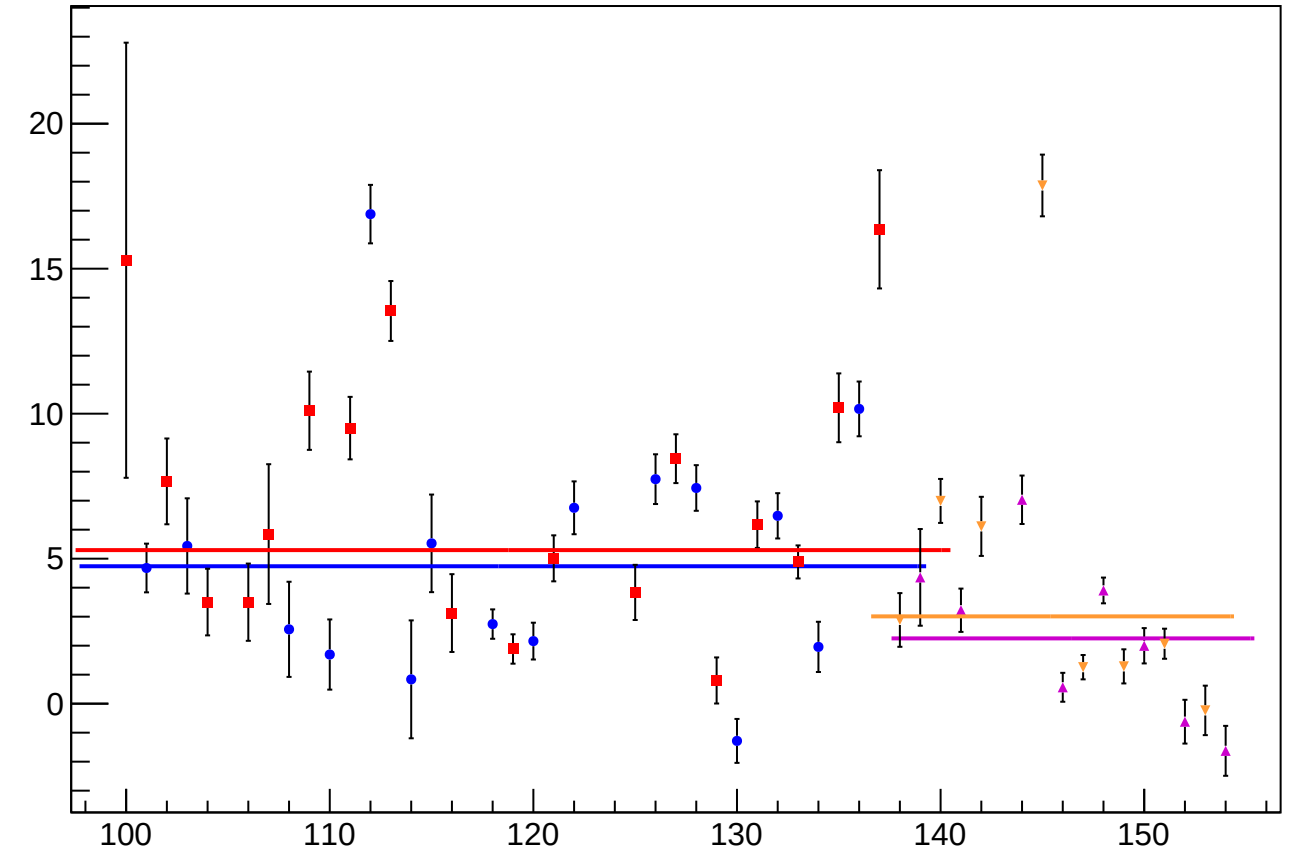
Left: -43.872+/-0.255 χ^2/NDF: 686.5/15

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.037+/-0.186 χ^2/NDF:1866.1/23

Out: -36.379+/-0.185 χ^2/NDF:2216.4/25

All: -36.209+/-0.131 χ^2/NDF: 4084.2/49



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: 2.251+/-0.233 χ^2/NDF:96.3/7

Left: 2.630+/-0.165 χ^2/NDF: 377.2/15

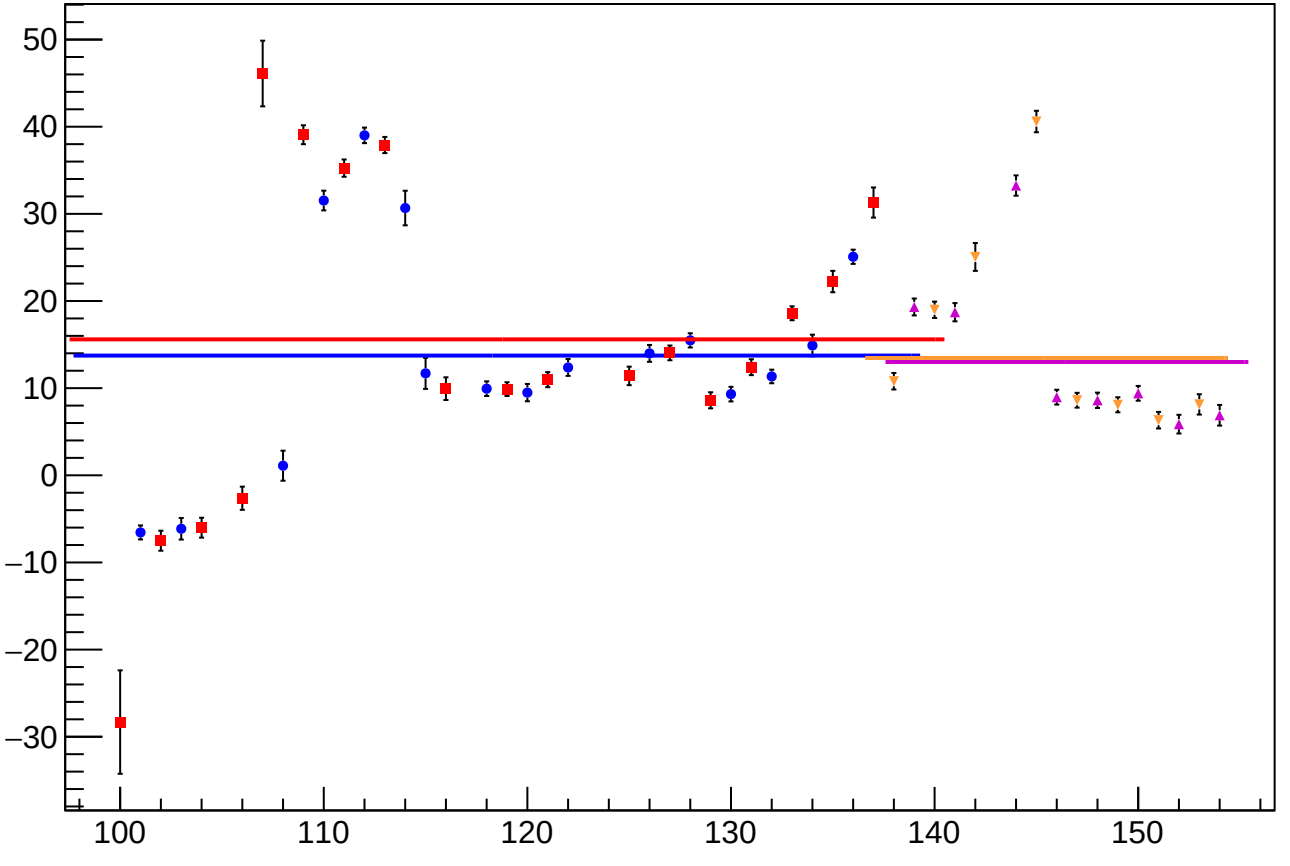
Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.568+/-0.160 χ^2/NDF:486.5/23

Out: 4.201+/-0.161 χ^2/NDF:570.8/25

All: 3.881+/-0.113 χ^2/NDF: 1065.0/49

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: 13.002+/-0.346 χ^2/NDF:509.1/7

Left: 13.227+/-0.248 χ^2/NDF: 1238.7/15

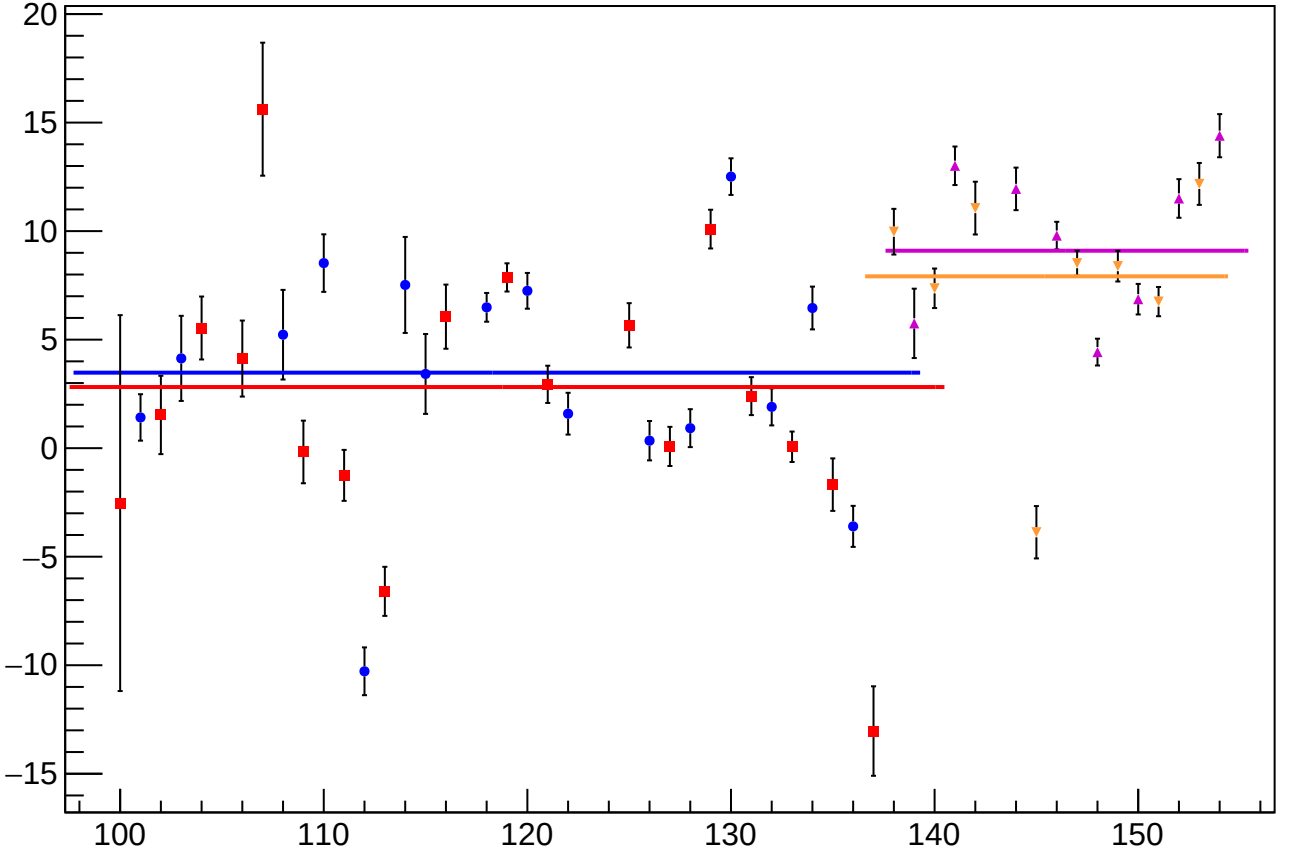
Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.490+/-0.201 χ^2/NDF:2862.0/23

Out: 14.896+/-0.205 χ^2/NDF:3579.0/25

All: 14.180+/-0.143 χ^2/NDF: 6465.0/49

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: 9.097+/-0.288 χ^2/NDF:136.5/7

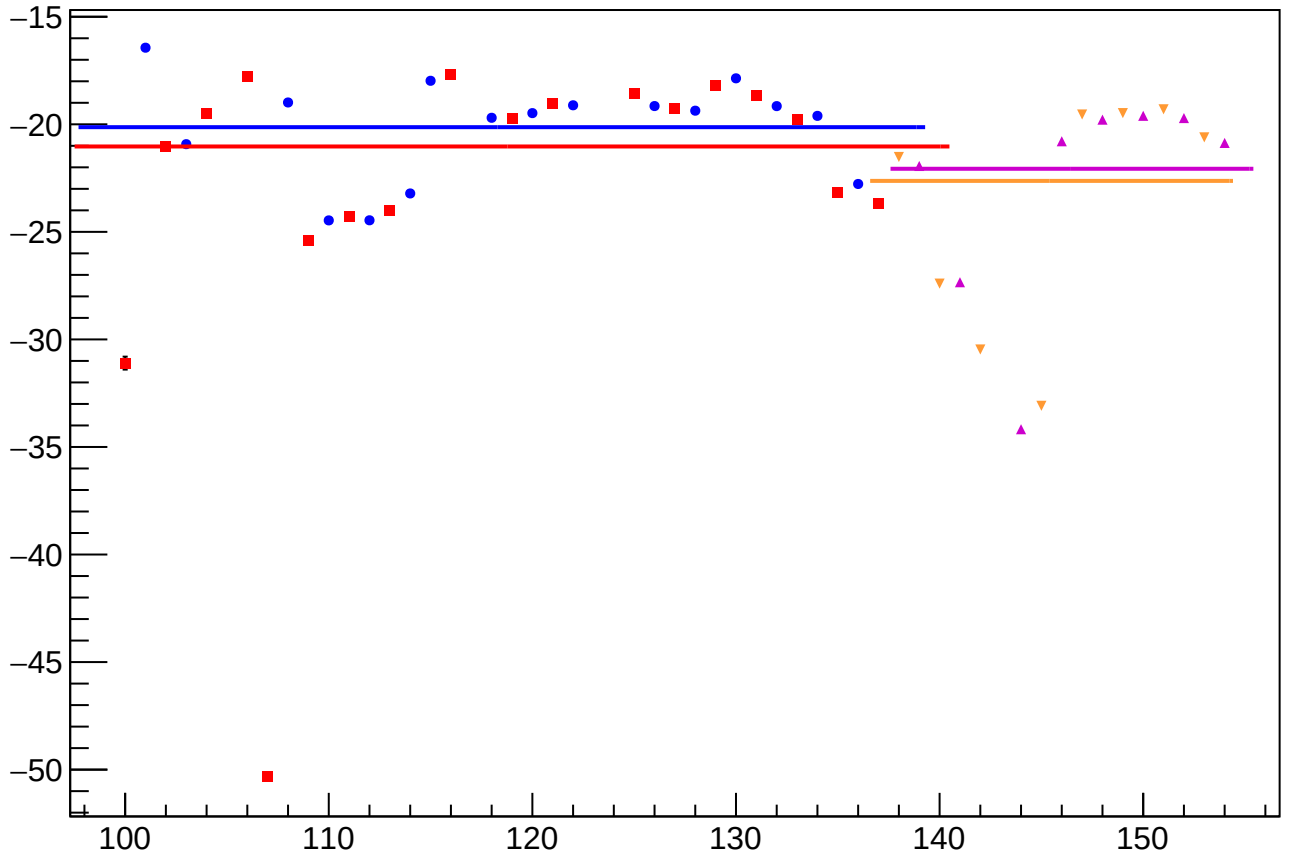
Left: 8.515+/-0.205 χ^2/NDF: 275.2/15

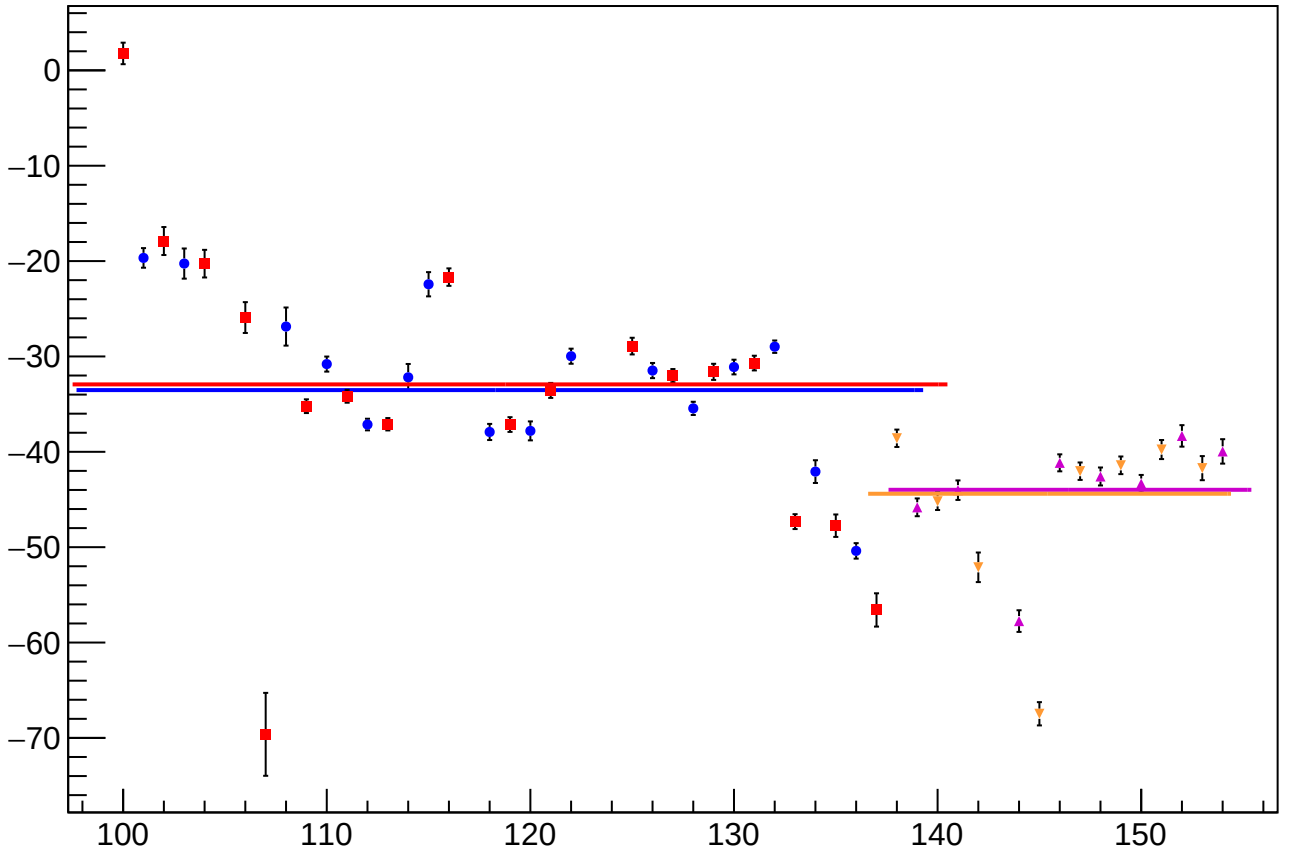
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

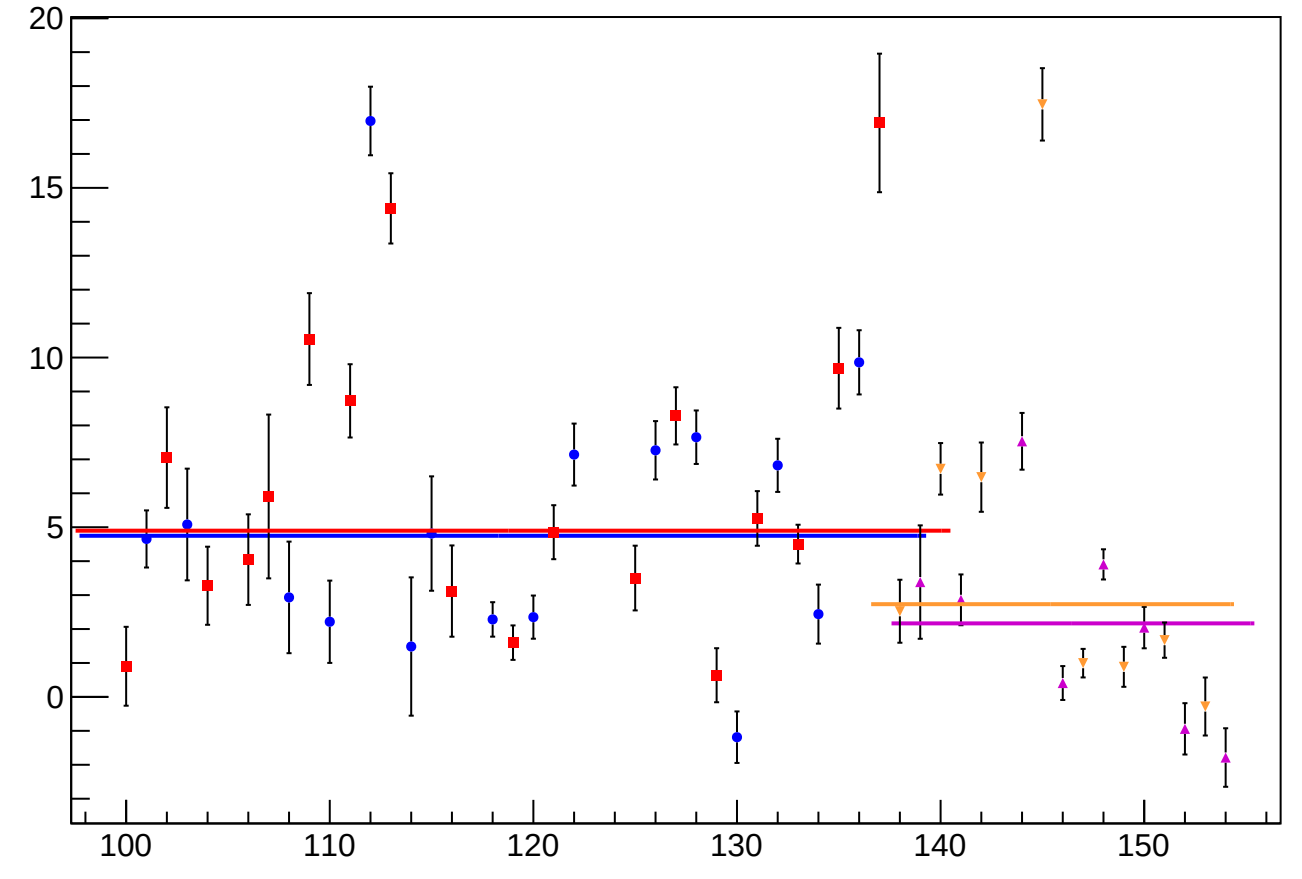
In: 5.938+/-0.190 χ^2/NDF:778.8/23

Out: 5.049+/-0.193 χ^2/NDF:647.7/25

All: 5.500+/-0.135 χ^2/NDF: 1437.3/49


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: -22.067+/-0.014 χ²/NDF:83594.5/7
Left: -22.329+/-0.010 χ²/NDF: 183632.6/15
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -21.258+/-0.010 χ²/NDF:111908.6/23
Out: -21.929+/-0.011 χ²/NDF:162068.1/25
All: -21.577+/-0.008 χ²/NDF: 275967.6/49


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -44.398+/-0.365 χ²/NDF:467.0/7
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -43.983+/-0.356 χ²/NDF:198.6/7
Left: -44.186+/-0.255 χ²/NDF: 666.3/15
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.382+/-0.186 χ²/NDF:1832.7/23
Out: -35.810+/-0.183 χ²/NDF:3374.4/25
All: -36.091+/-0.131 χ²/NDF: 5211.9/49



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.733+/-0.233 χ^2/NDF:275.3/7

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 2.167+/-0.233 χ^2/NDF:108.2/7

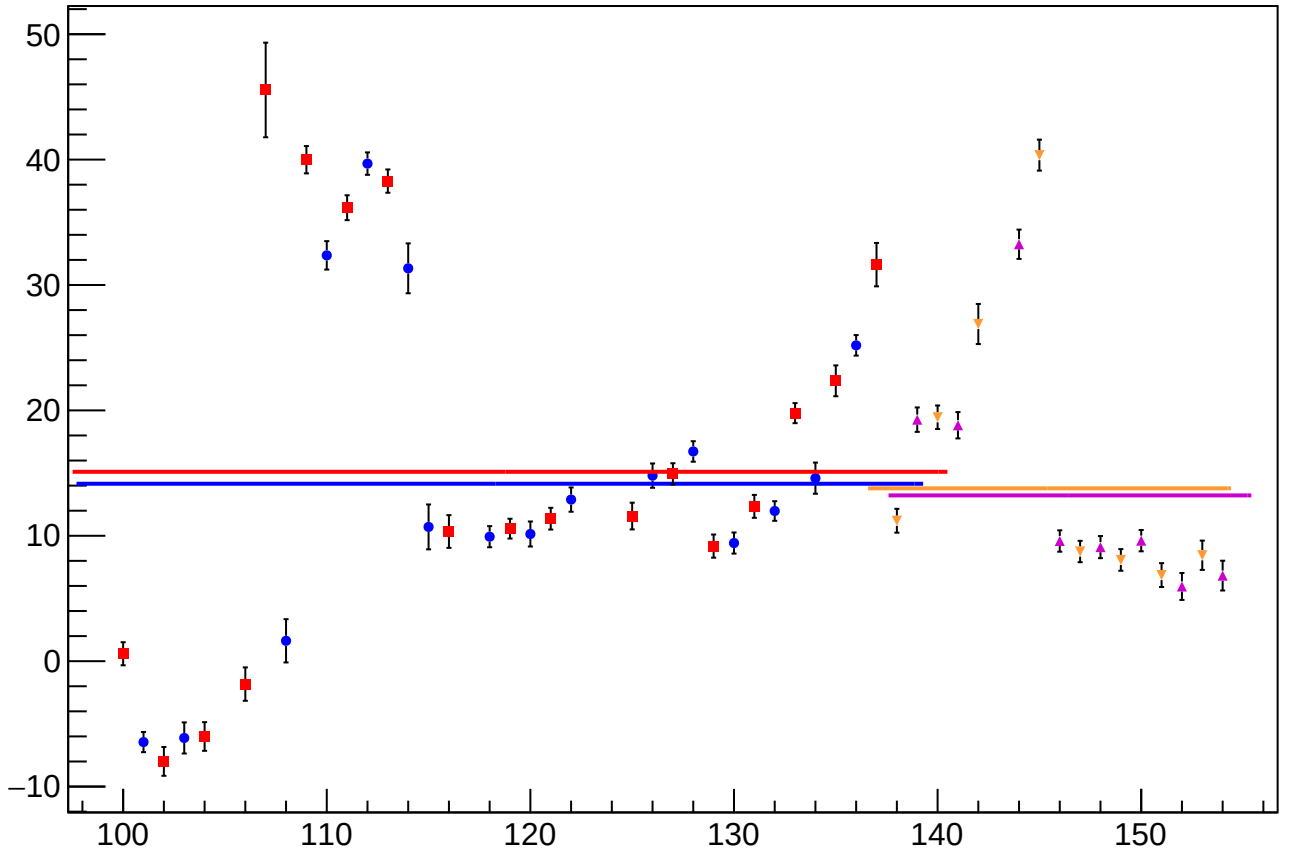
Left: 2.449+/-0.165 χ^2/NDF: 386.4/15

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 3.533+/-0.160 χ^2/NDF:498.9/23

Out: 3.880+/-0.160 χ^2/NDF:593.9/25

All: 3.707+/-0.113 χ^2/NDF: 1095.1/49



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: 13.221+/-0.347 χ^2/NDF:493.3/7

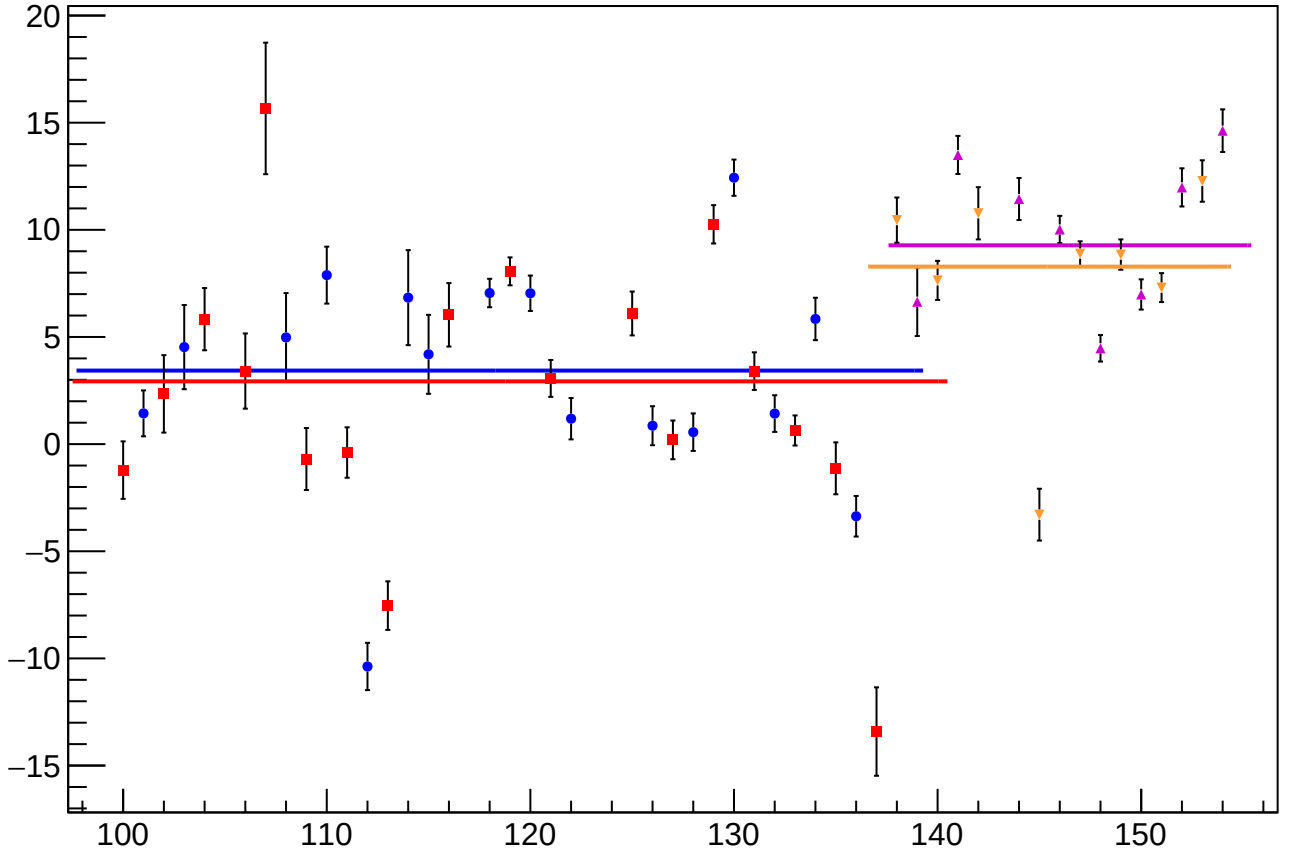
Left: 13.494+/-0.249 χ^2/NDF: 1220.8/15

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 13.836+/-0.201 χ^2/NDF:2900.4/23

Out: 14.688+/-0.200 χ^2/NDF:3837.9/25

All: 14.264+/-0.142 χ^2/NDF: 6747.3/49



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: 9.277+/-0.288 χ^2/NDF:140.4/7

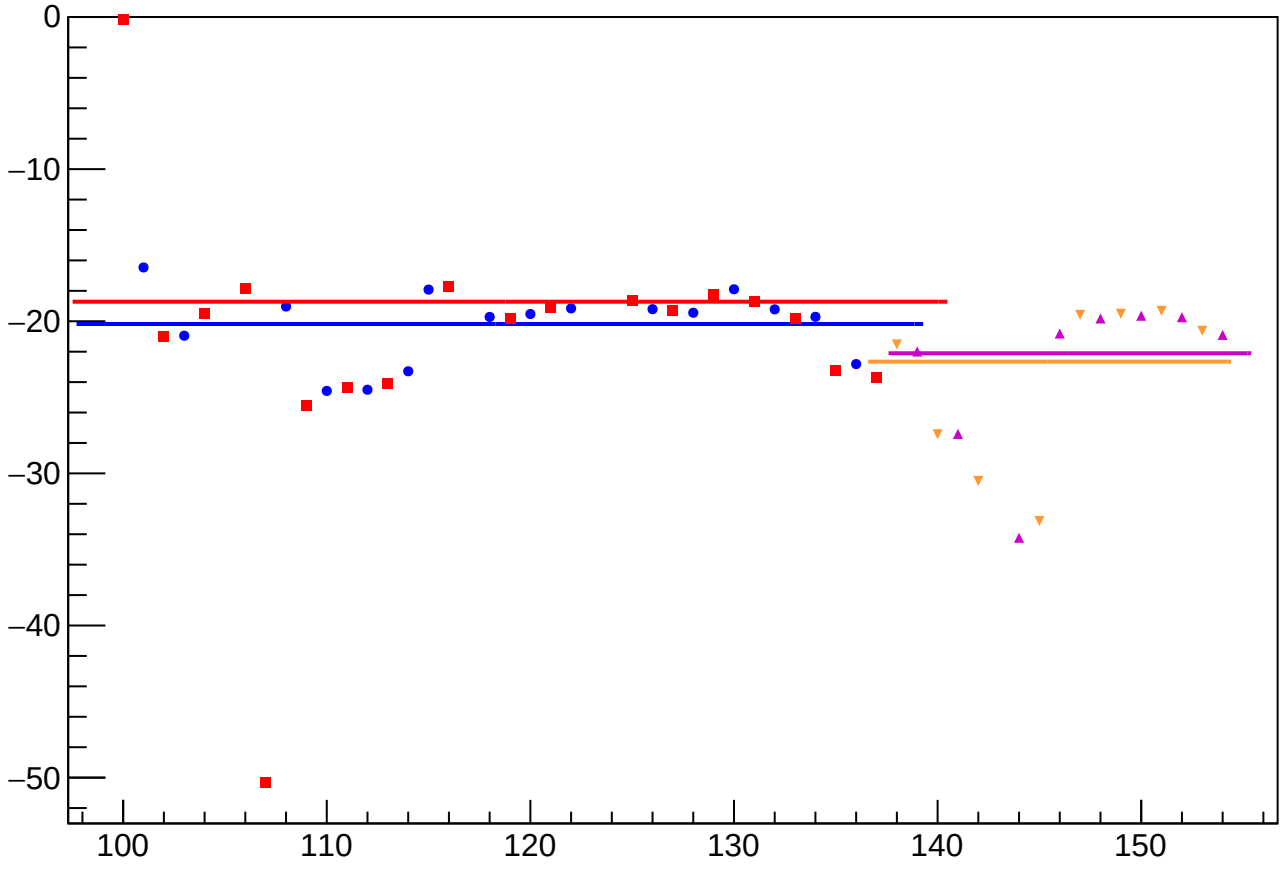
Left: 8.787+/-0.205 χ^2/NDF: 267.7/15

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 5.991+/-0.191 χ^2/NDF:795.9/23

Out: 5.228+/-0.191 χ^2/NDF:681.0/25

All: 5.611+/-0.135 χ^2/NDF: 1484.9/49



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: -22.103+/-0.014 χ^2/NDF:83741.3/7

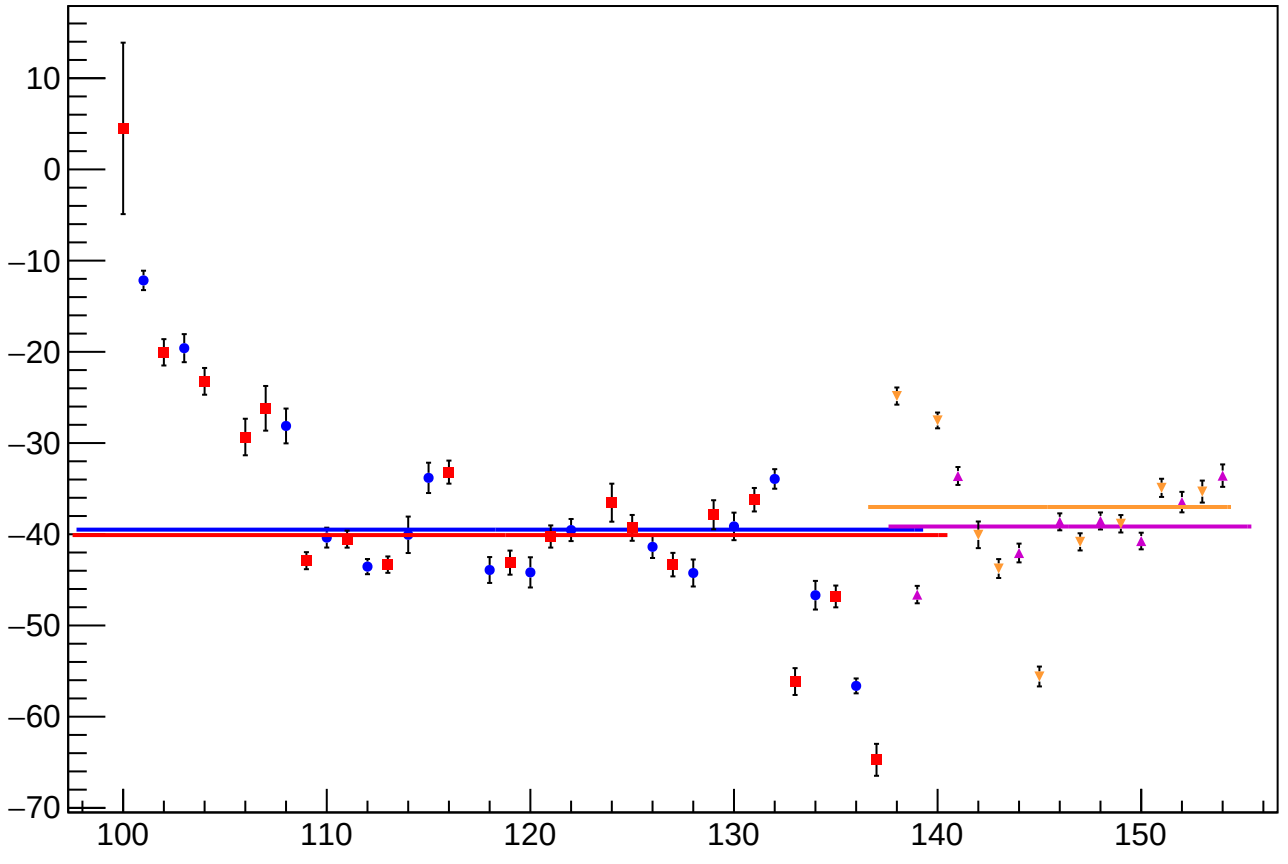
Left: -22.361+/-0.010 χ^2/NDF: 183557.3/15

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.299+/-0.010 χ^2/NDF:111949.2/23

Out: -20.816+/-0.011 χ^2/NDF:367906.9/25

All: -21.063+/-0.007 χ^2/NDF: 480914.5/49



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: -39.150+/-0.353 χ^2/NDF:130.9/7

Left: -38.043+/-0.245 χ^2/NDF: 802.3/16

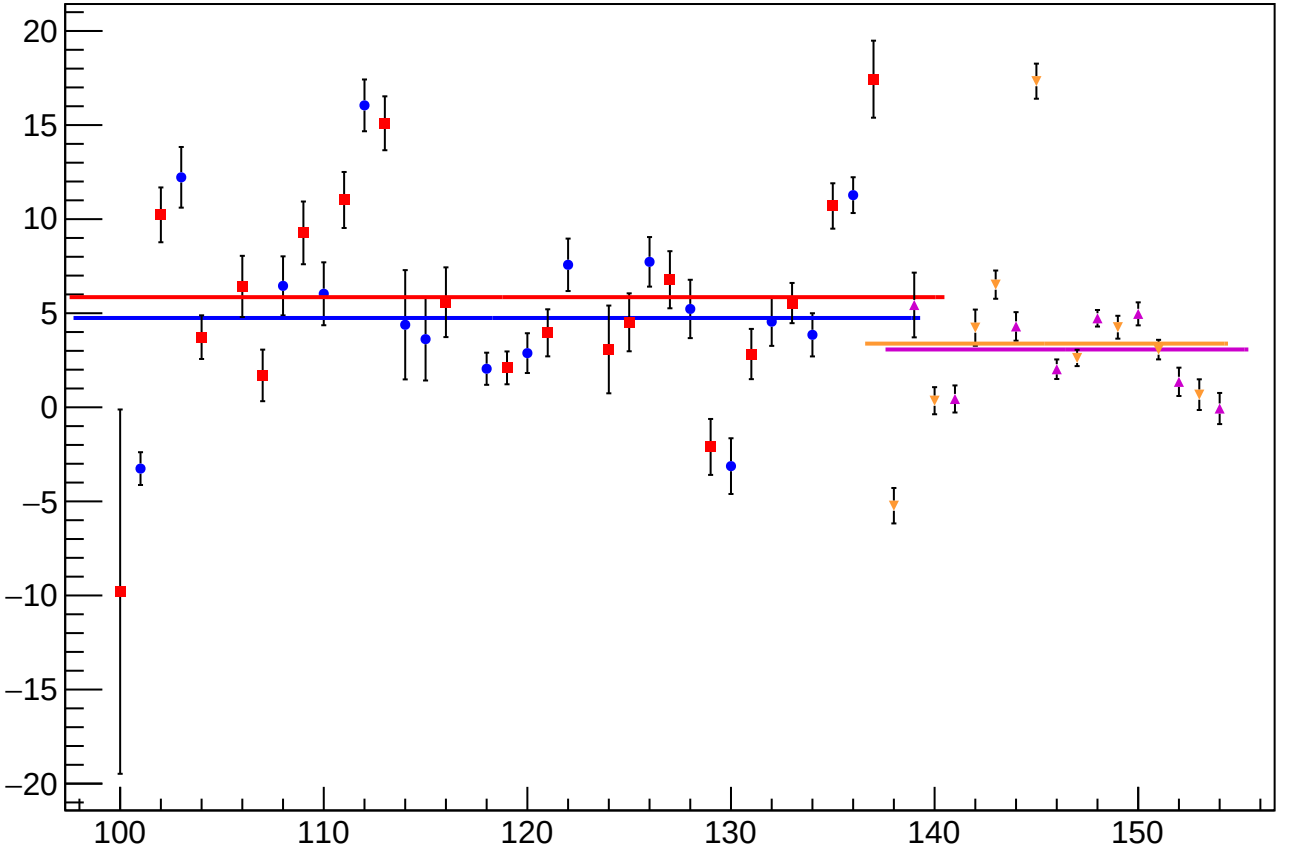
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.343+/-0.233 χ^2/NDF:1548.5/23

Out: -38.708+/-0.228 χ^2/NDF:1532.4/27

All: -39.019+/-0.163 χ^2/NDF: 3084.6/51

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: 3.073+/-0.231 χ^2/NDF:65.3/7

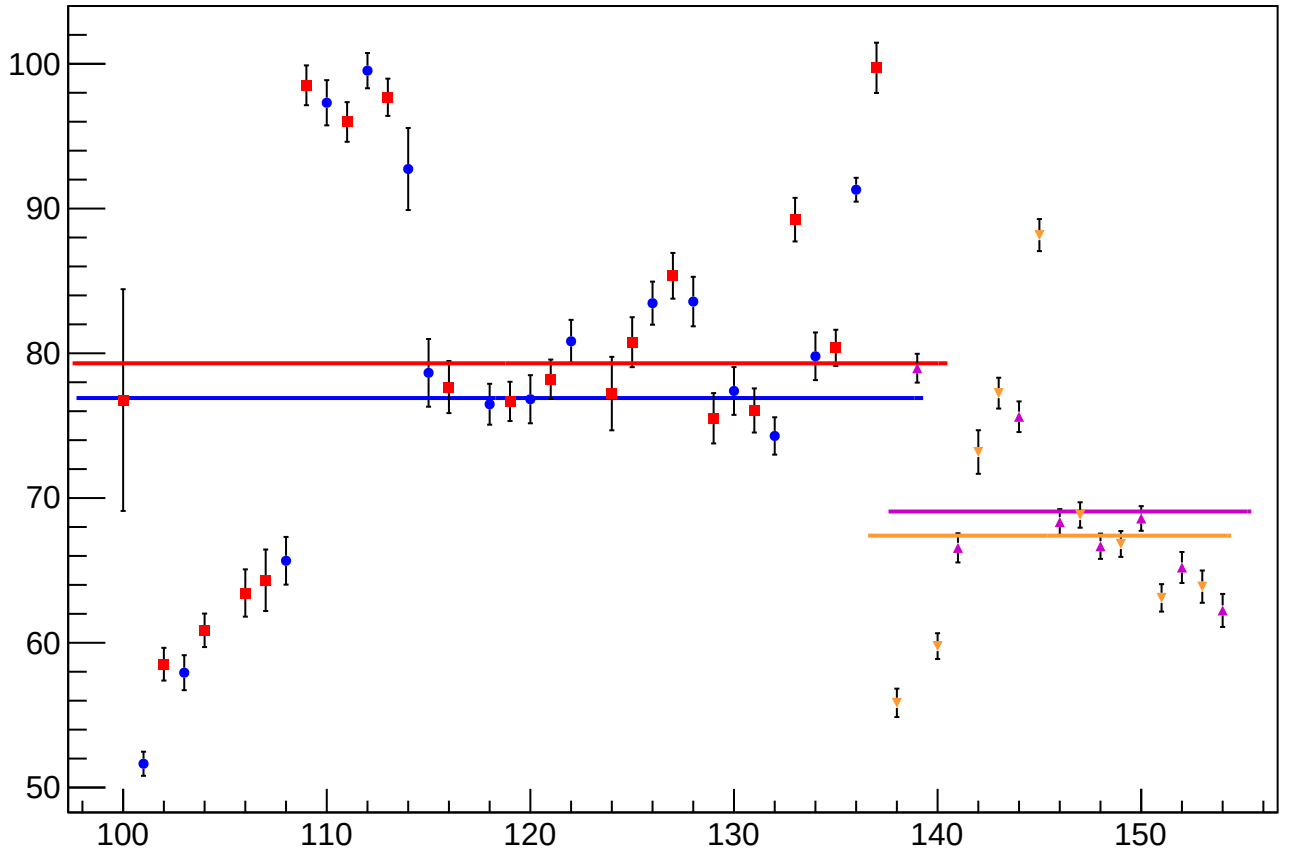
Left: 3.235+/-0.160 χ^2/NDF: 426.3/16

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 3.655+/-0.186 χ^2/NDF:357.5/23

Out: 4.174+/-0.183 χ^2/NDF:587.1/27

All: 3.919+/-0.131 χ^2/NDF: 948.6/51



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: 69.070+/-0.343 χ^2/NDF:200.9/7

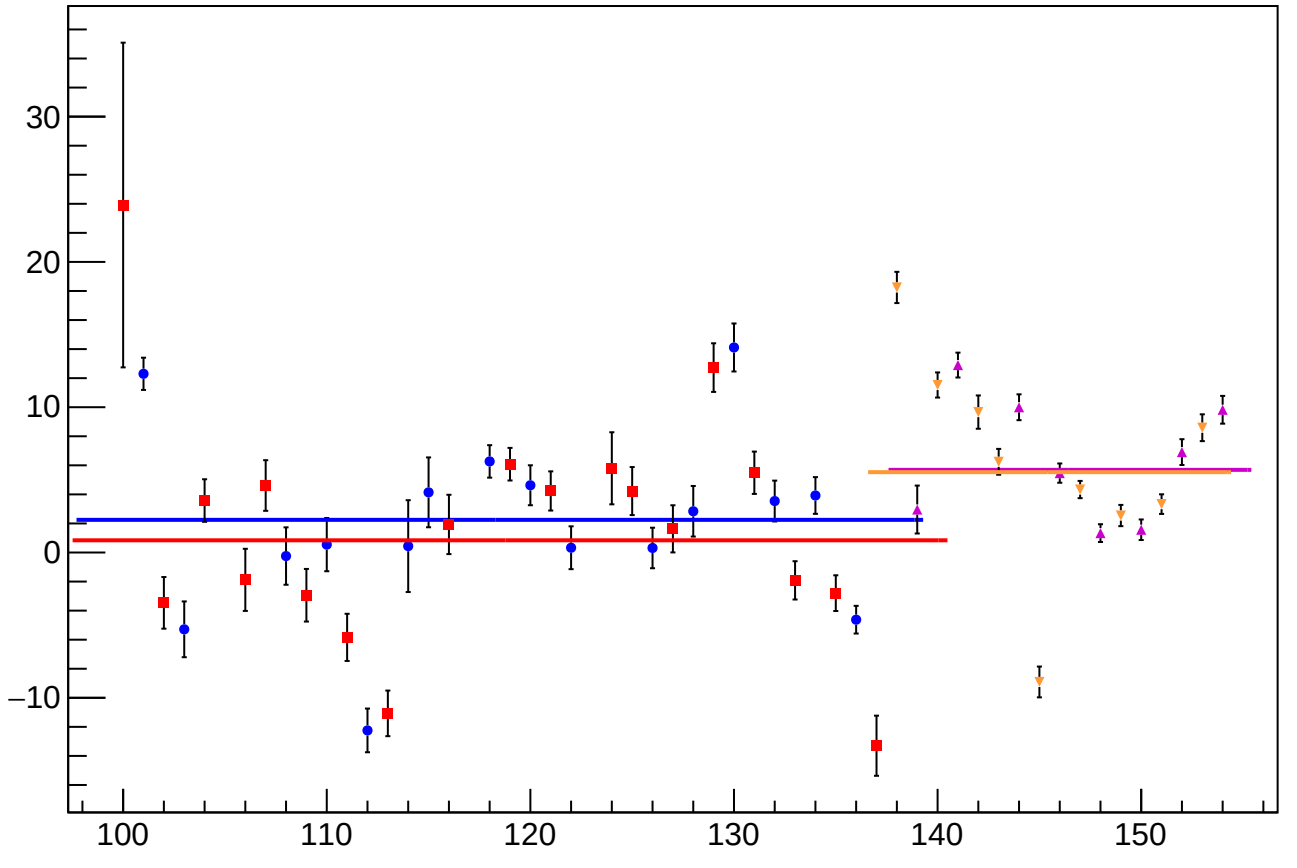
Left: 68.216+/-0.240 χ^2/NDF: 910.0/16

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

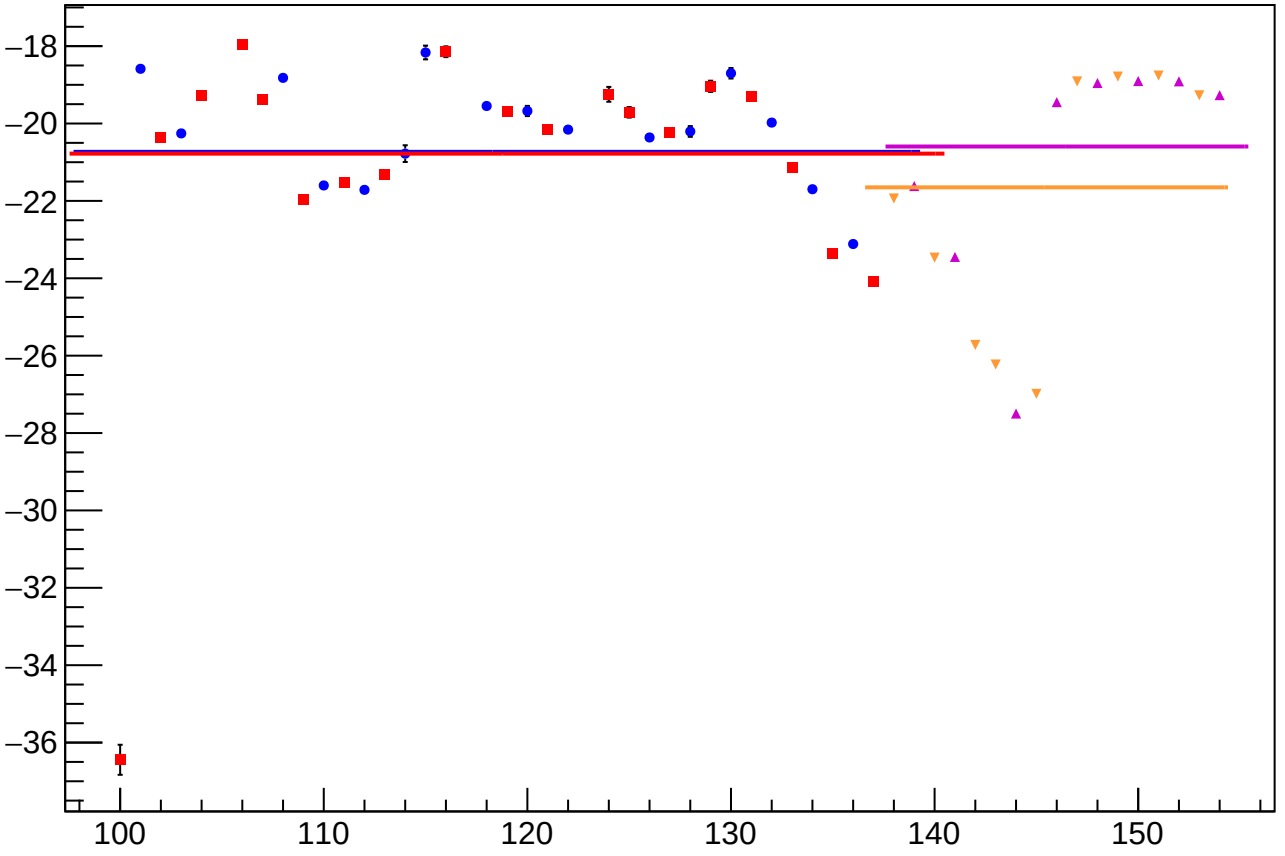
In: 73.064+/-0.240 χ^2/NDF:2582.4/23

Out: 73.133+/-0.241 χ^2/NDF:2801.3/27

All: 73.099+/-0.170 χ^2/NDF: 5383.8/51


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: 5.689+/-0.285 χ²/NDF:202.7/7
Left: 5.607+/-0.198 χ²/NDF: 632.5/16
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 4.377+/-0.224 χ²/NDF:577.9/23
Out: 3.872+/-0.221 χ²/NDF:788.6/27
All: 4.121+/-0.157 χ²/NDF: 1369.1/51

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.650+/-0.014 χ^2/NDF:52583.5/8

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -20.594+/-0.013 χ^2/NDF:35349.5/7

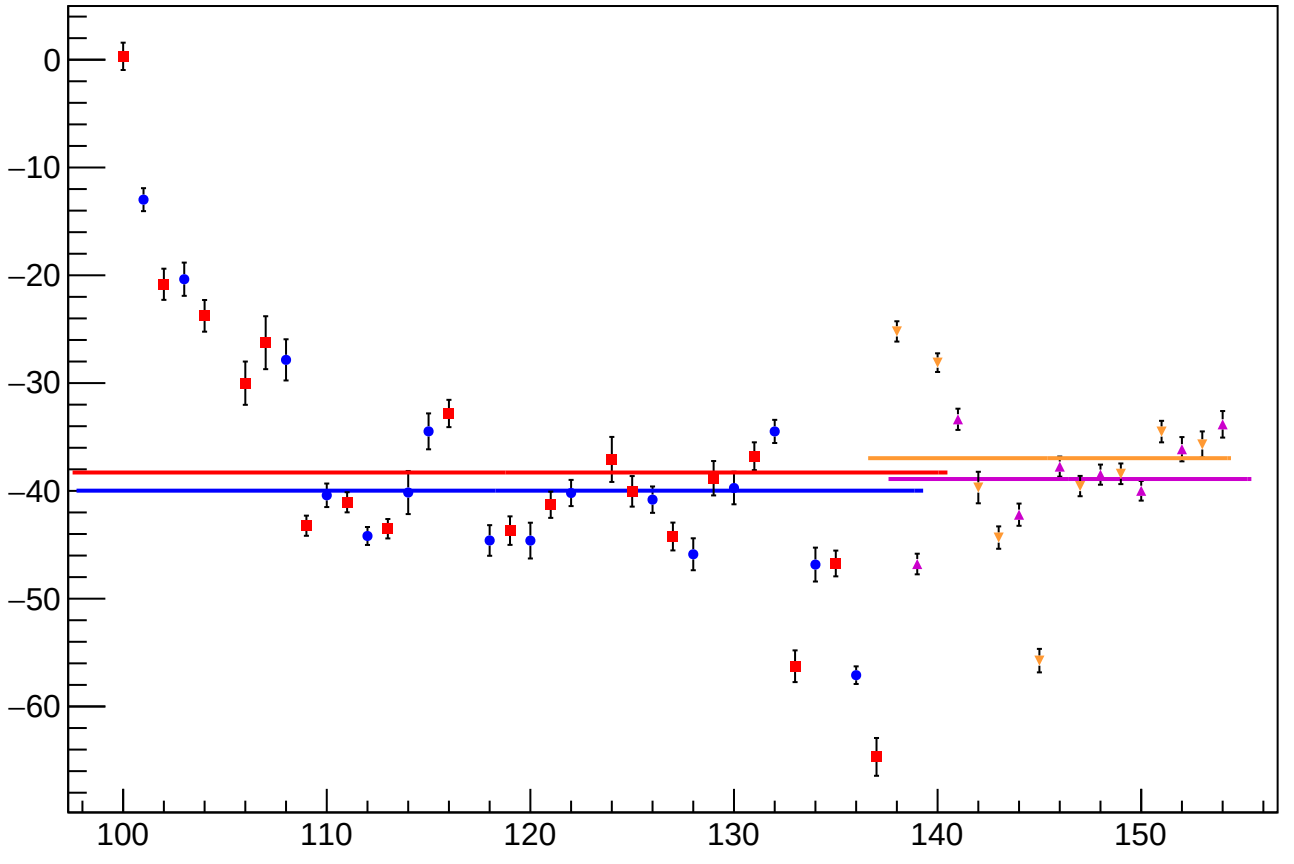
Left: -21.115+/-0.010 χ^2/NDF: 90953.2/16

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.639+/-0.011 χ^2/NDF:43017.7/23

Out: -21.376+/-0.011 χ^2/NDF:63288.2/27

All: -20.999+/-0.008 χ^2/NDF: 108467.0/51



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -36.966+/-0.341 χ^2/NDF:628.0/8

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -38.899+/-0.353 χ^2/NDF:136.1/7

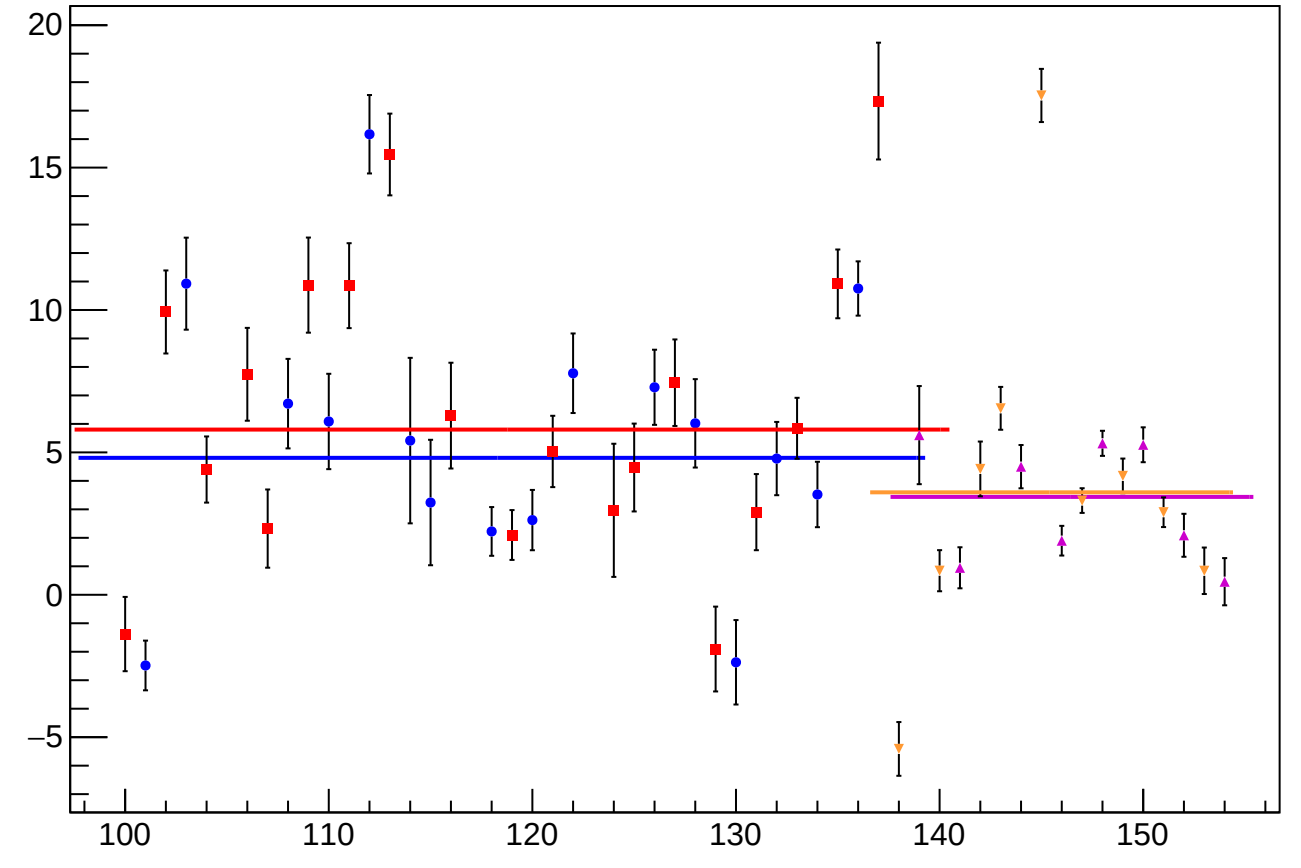
Left: -37.898+/-0.245 χ^2/NDF: 779.5/16

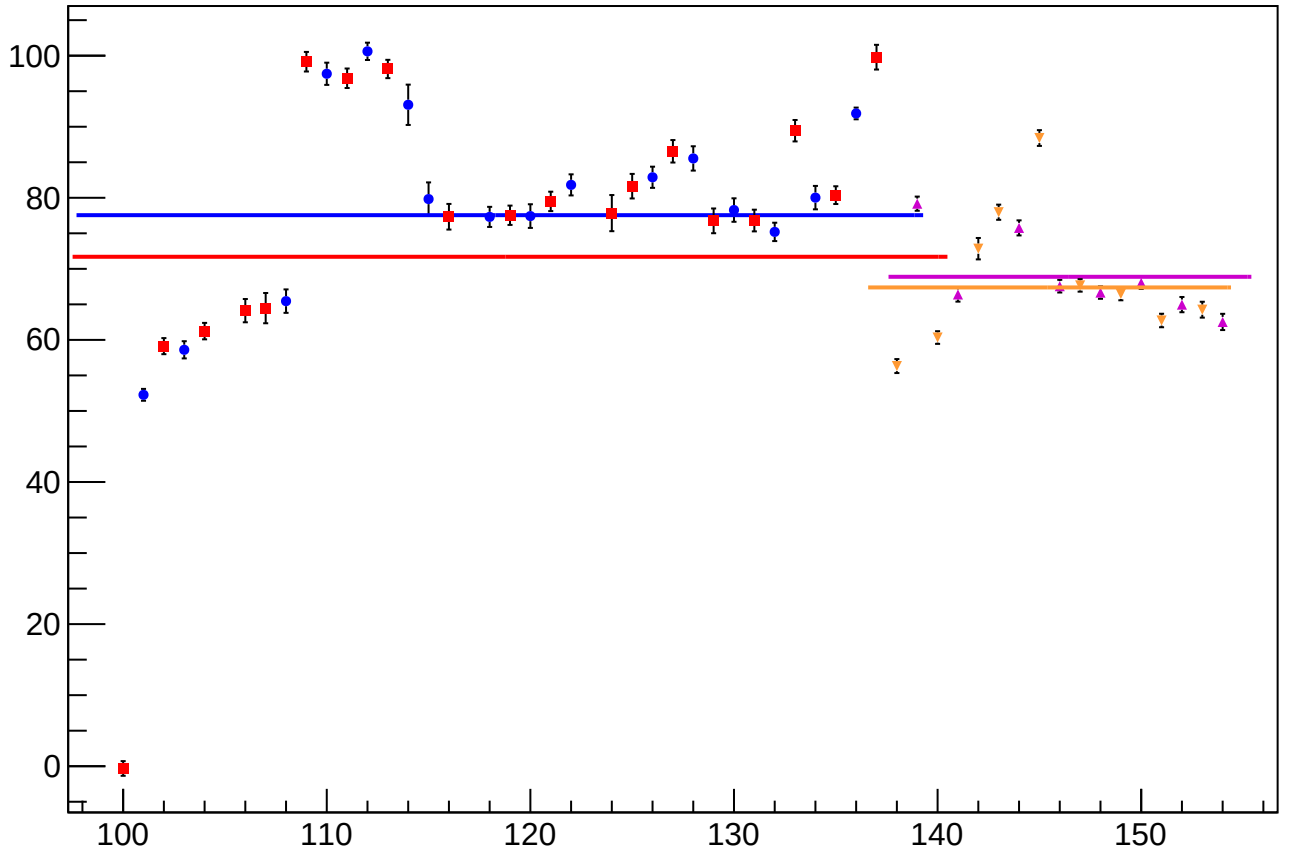
Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -39.508+/-0.233 χ^2/NDF:1539.7/23

Out: -37.717+/-0.225 χ^2/NDF:2410.3/27

All: -38.579+/-0.162 χ^2/NDF: 3980.6/51


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: 3.437+/-0.231 χ²/NDF:67.5/7
Left: 3.520+/-0.160 χ²/NDF: 426.9/16
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 3.914+/-0.187 χ²/NDF:320.2/23
Out: 4.330+/-0.182 χ²/NDF:608.3/27
All: 4.128+/-0.130 χ²/NDF: 931.0/51



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: 68.881+/-0.344 χ^2/NDF:208.5/7

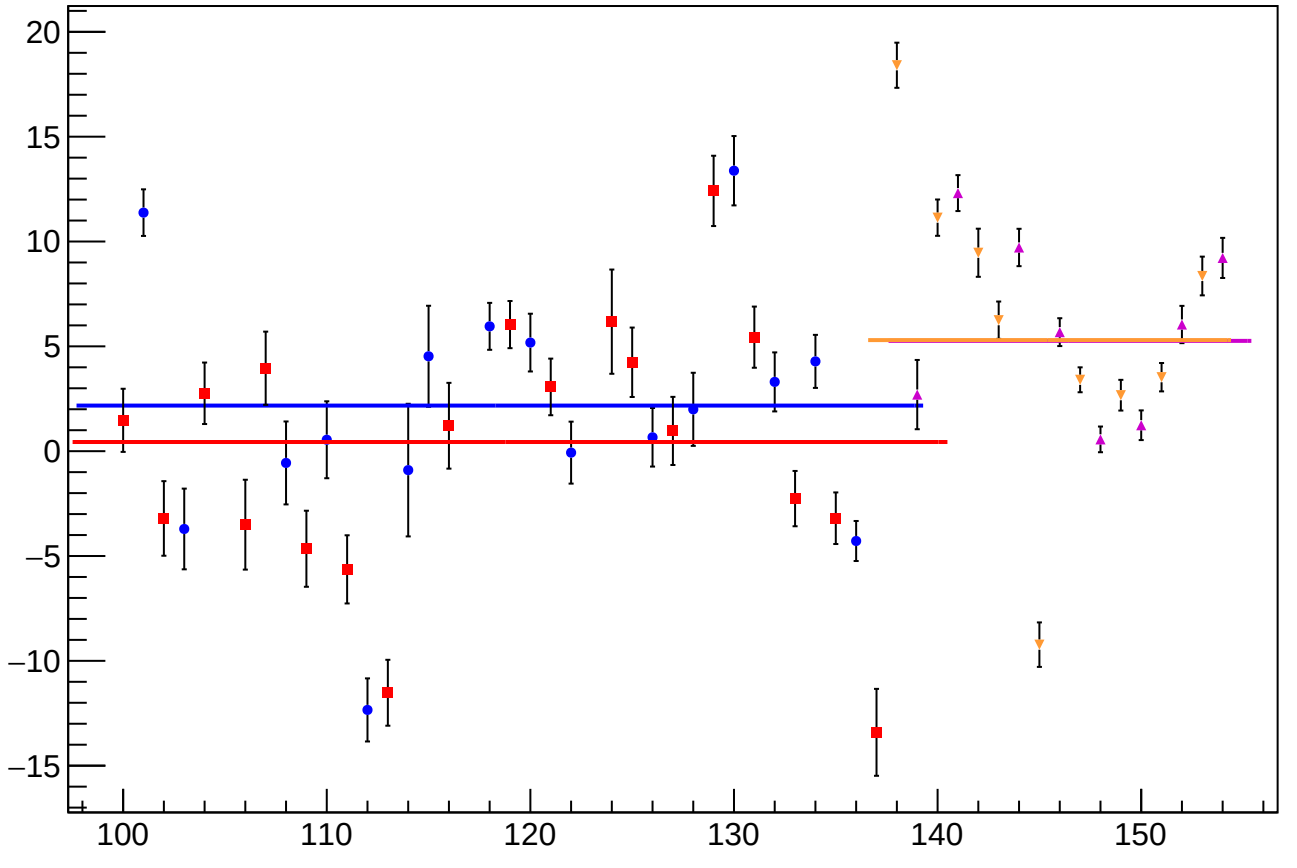
Left: 68.113+/-0.240 χ^2/NDF: 911.1/16

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 73.301+/-0.241 χ^2/NDF:2650.8/23

Out: 69.574+/-0.235 χ^2/NDF:7680.3/27

All: 71.395+/-0.168 χ^2/NDF: 10453.6/51



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: 5.261+/-0.285 χ^2/NDF:204.4/7

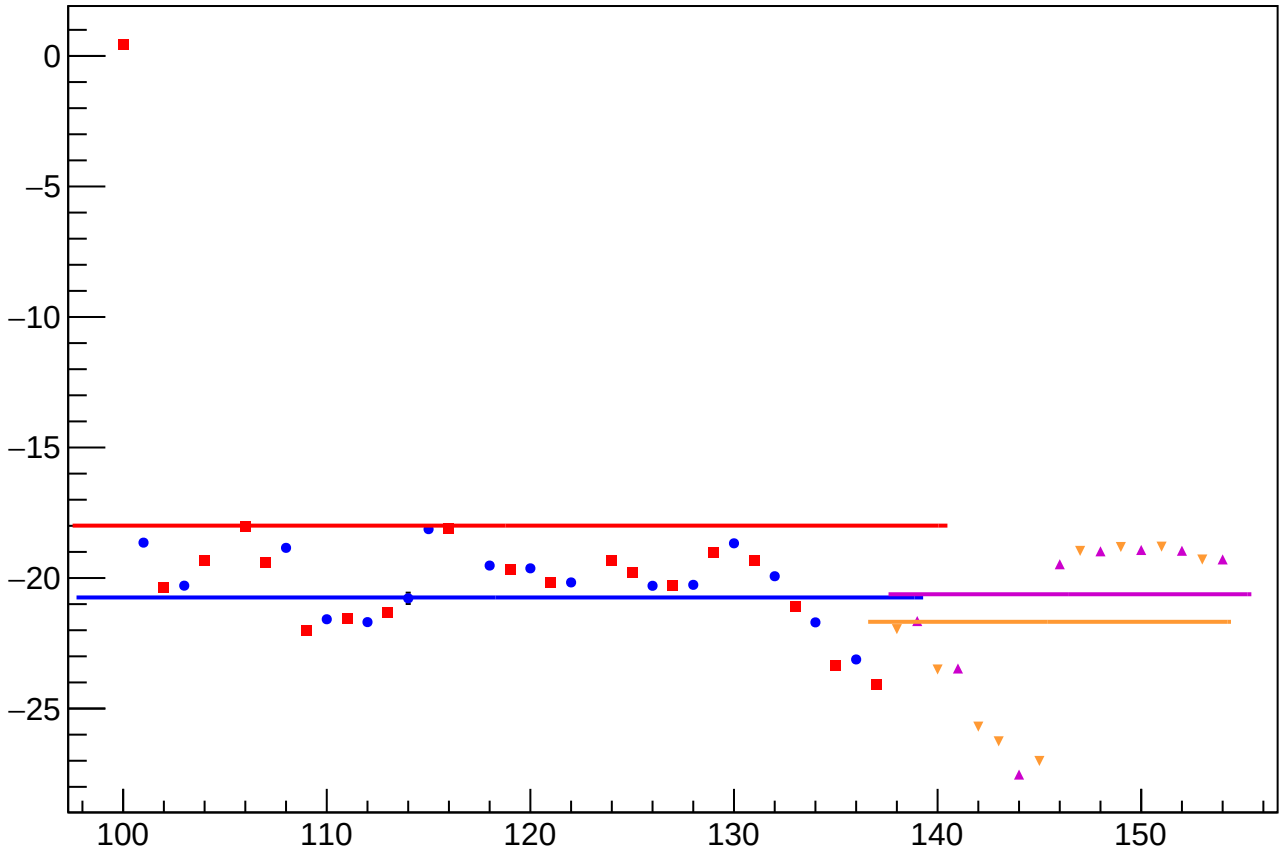
Left: 5.280+/-0.198 χ^2/NDF: 640.6/16

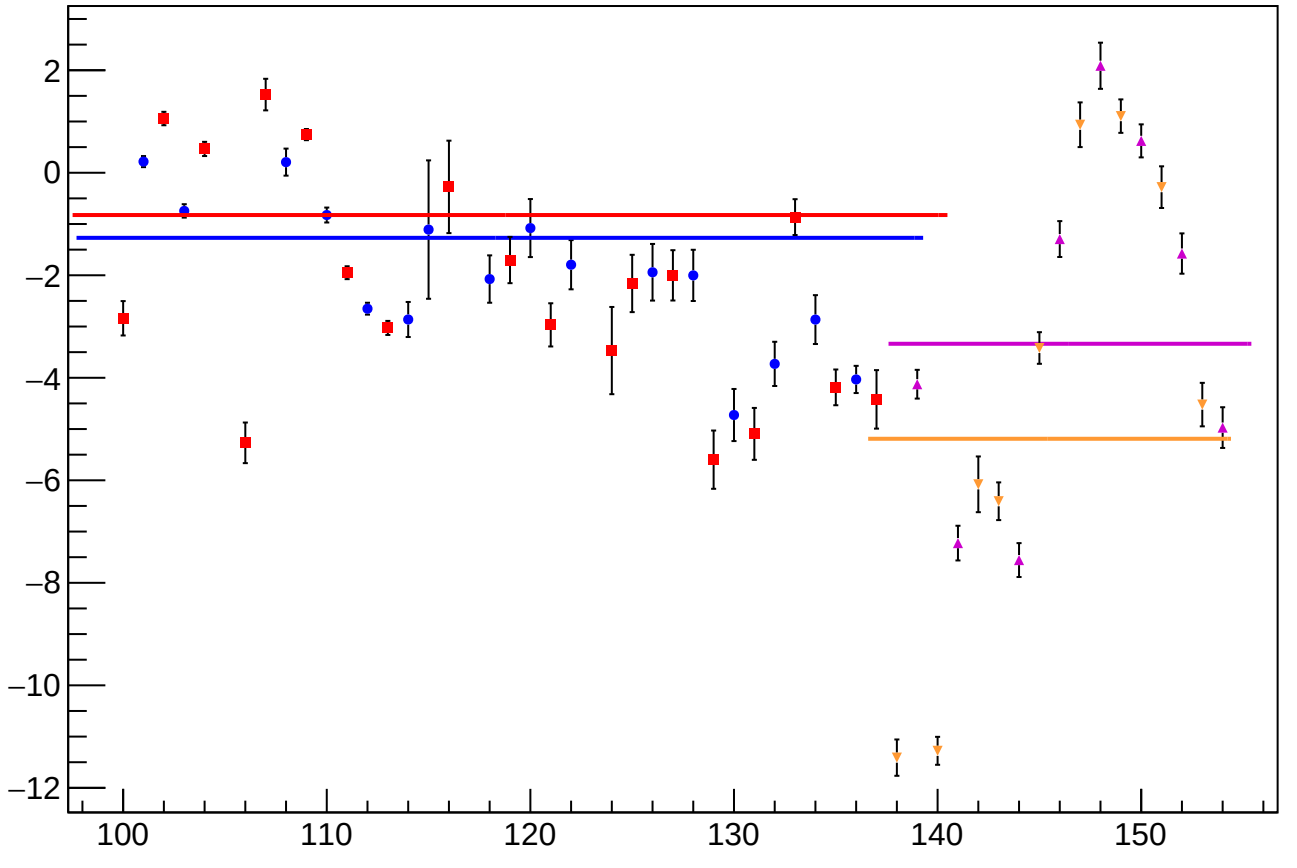
Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 4.084+/-0.225 χ^2/NDF:539.2/23

Out: 3.513+/-0.219 χ^2/NDF:804.5/27

All: 3.792+/-0.157 χ^2/NDF: 1347.1/51


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: -20.622+/-0.014 χ²/NDF:35242.7/7
Left: -21.142+/-0.010 χ²/NDF: 90450.9/16
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.662+/-0.011 χ²/NDF:42783.2/23
Out: -20.406+/-0.011 χ²/NDF:227721.7/27
All: -20.534+/-0.008 χ²/NDF: 270770.9/51



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: -3.336+/-0.123 χ^2/NDF:669.6/7

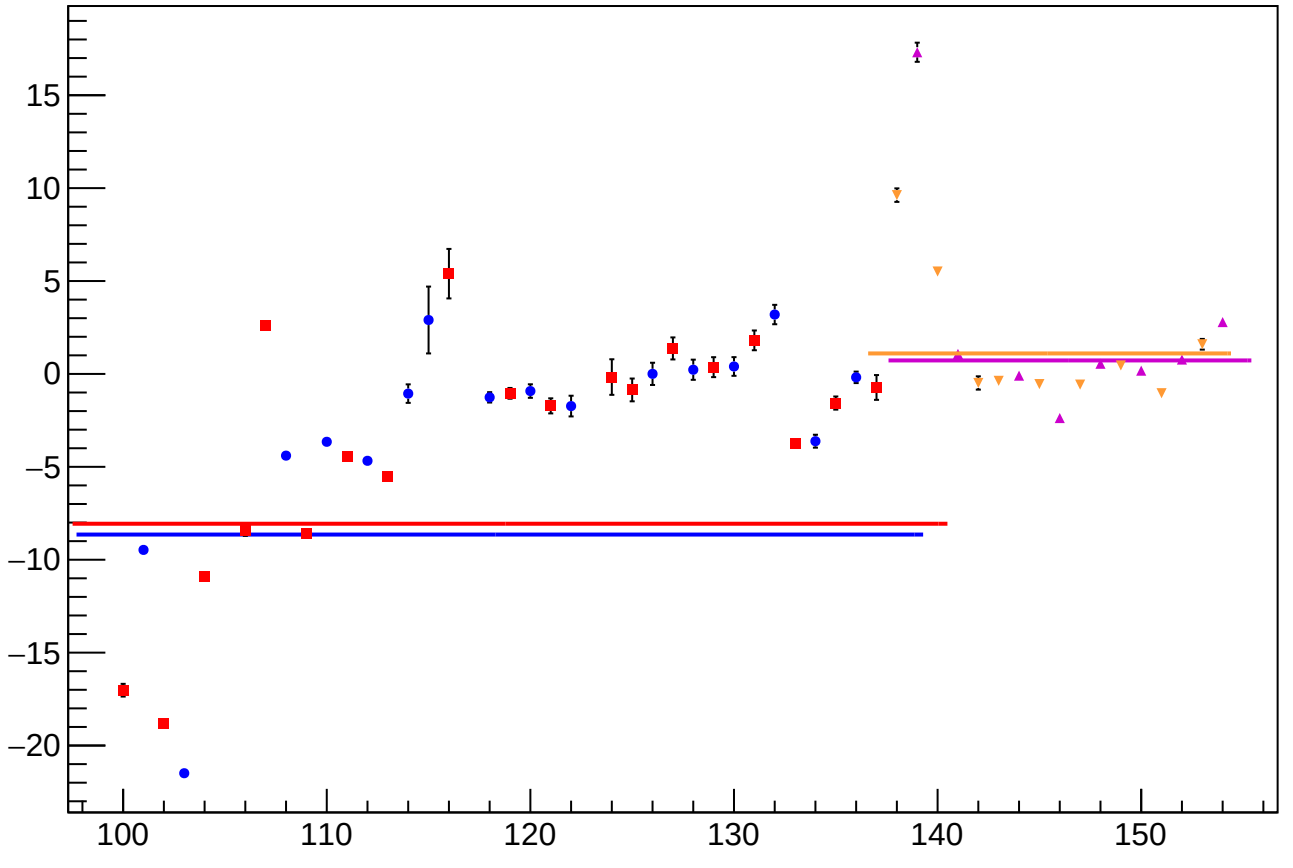
Left: -4.283+/-0.086 χ^2/NDF: 2356.1/16

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.609+/-0.050 χ^2/NDF:1522.1/23

Out: -1.489+/-0.047 χ^2/NDF:4068.2/27

All: -1.546+/-0.034 χ^2/NDF: 5593.4/51



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: 0.726+/-0.088 χ^2/NDF:1328.6/7

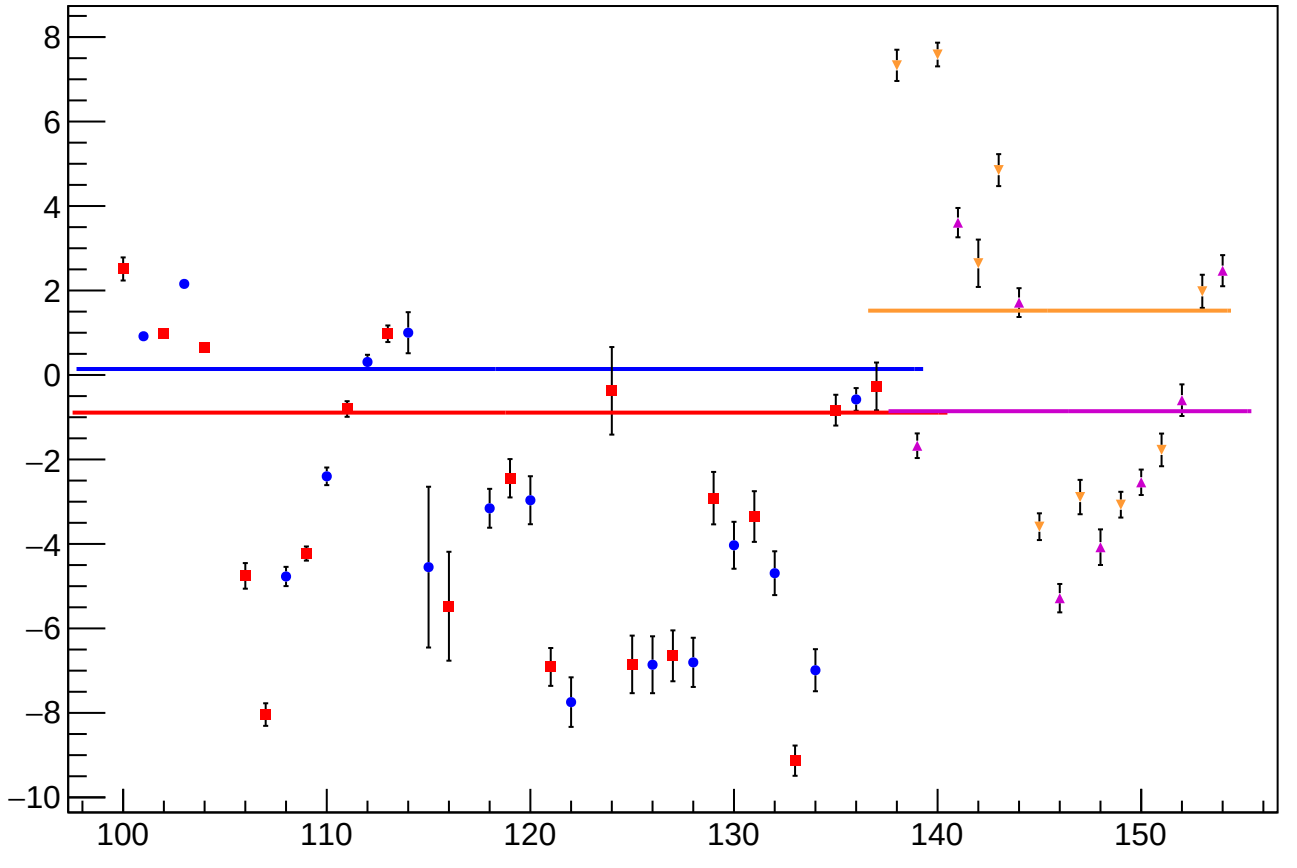
Left: 0.923+/-0.061 χ^2/NDF: 2515.1/16

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.880+/-0.048 χ^2/NDF:23149.7/23

Out: -5.140+/-0.047 χ^2/NDF:23706.1/27

All: -5.507+/-0.034 χ^2/NDF: 46976.3/51



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: -0.857+/-0.121 χ^2/NDF:575.0/7

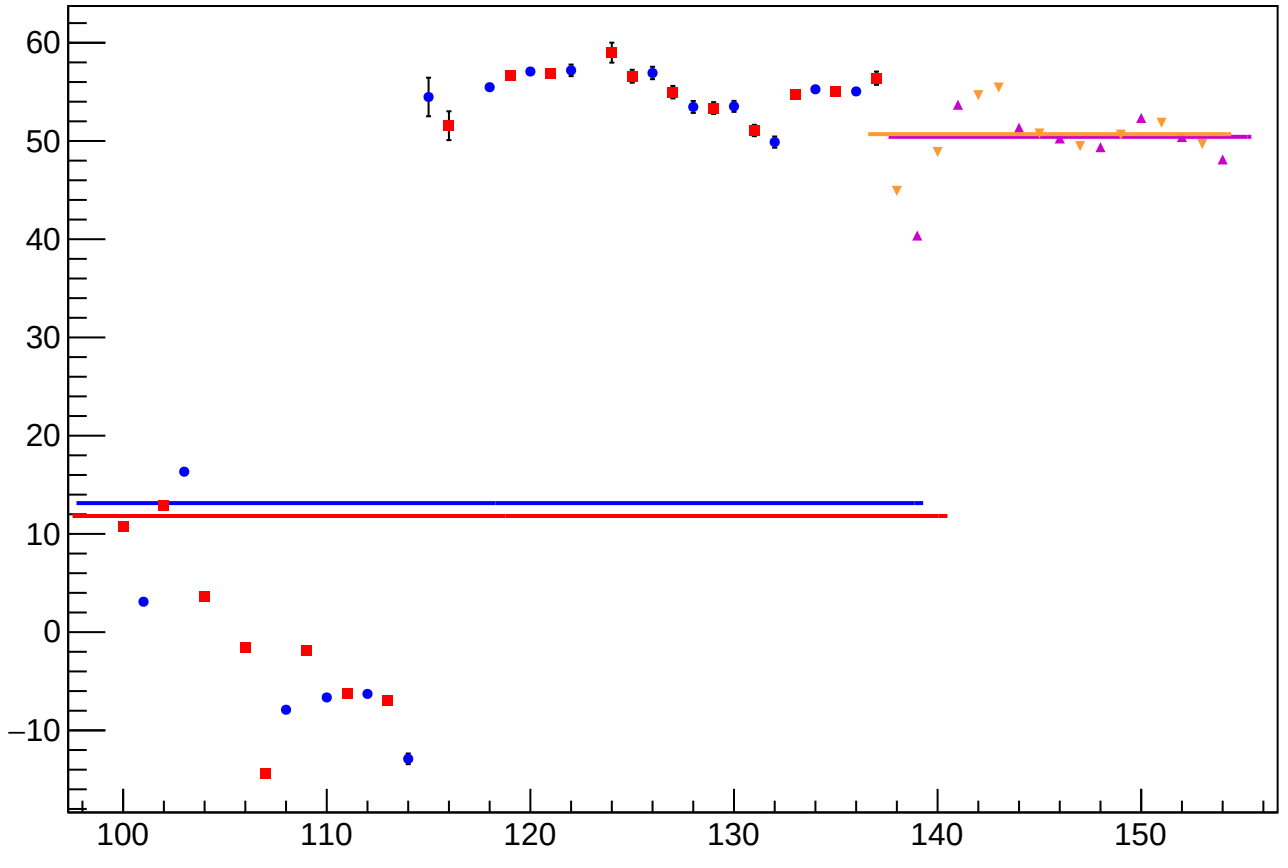
Left: 0.345+/-0.085 χ^2/NDF: 2246.0/16

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: -0.020+/-0.048 χ^2/NDF:2592.2/23

Out: -0.486+/-0.049 χ^2/NDF:4800.2/27

All: -0.251+/-0.034 χ^2/NDF: 7438.3/51



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: 50.422+/-0.105 χ^2/NDF:671.7/7

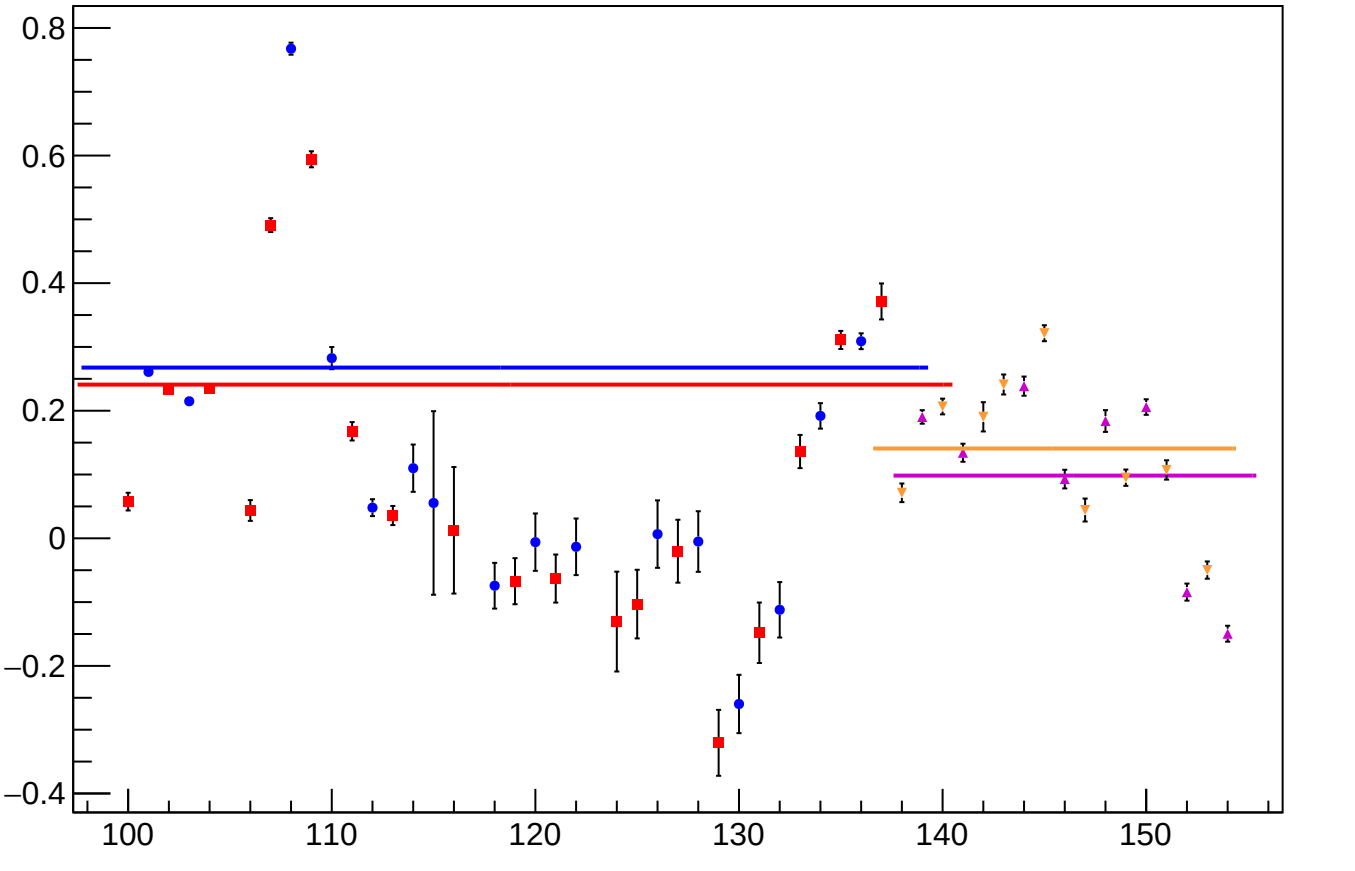
Left: 50.564+/-0.073 χ^2/NDF: 1272.8/16

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 24.084+/-0.057 χ^2/NDF:197674.9/23

Out: 23.779+/-0.056 χ^2/NDF:219738.9/27

All: 23.930+/-0.040 χ^2/NDF: 417428.2/51



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: 0.098+/-0.005 χ^2/NDF:852.3/7

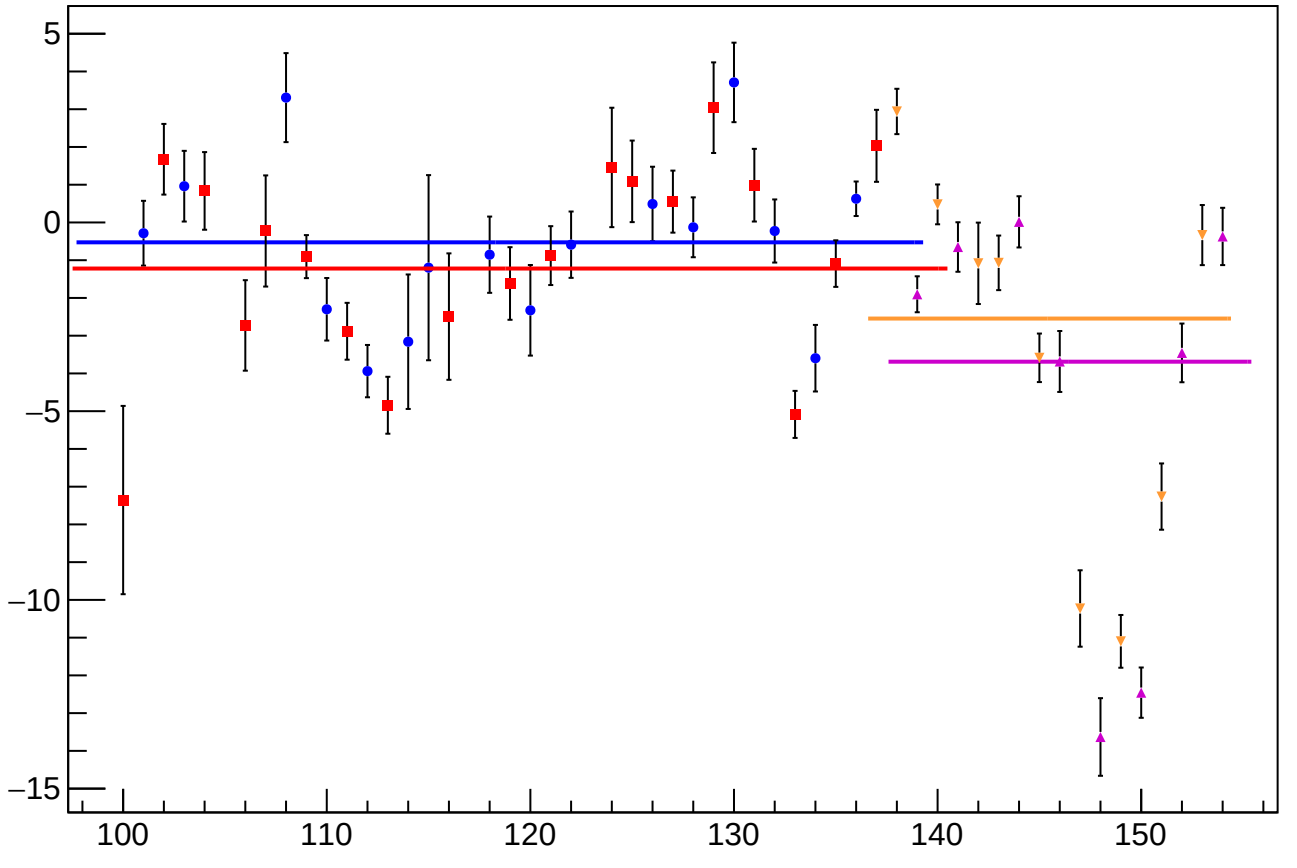
Left: 0.119+/-0.003 χ^2/NDF: 1442.2/16

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.224+/-0.002 χ^2/NDF:5530.5/23

Out: 0.217+/-0.002 χ^2/NDF:3213.1/27

All: 0.220+/-0.002 χ^2/NDF: 8747.8/51



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: -3.689+/-0.242 χ^2/NDF:351.2/7

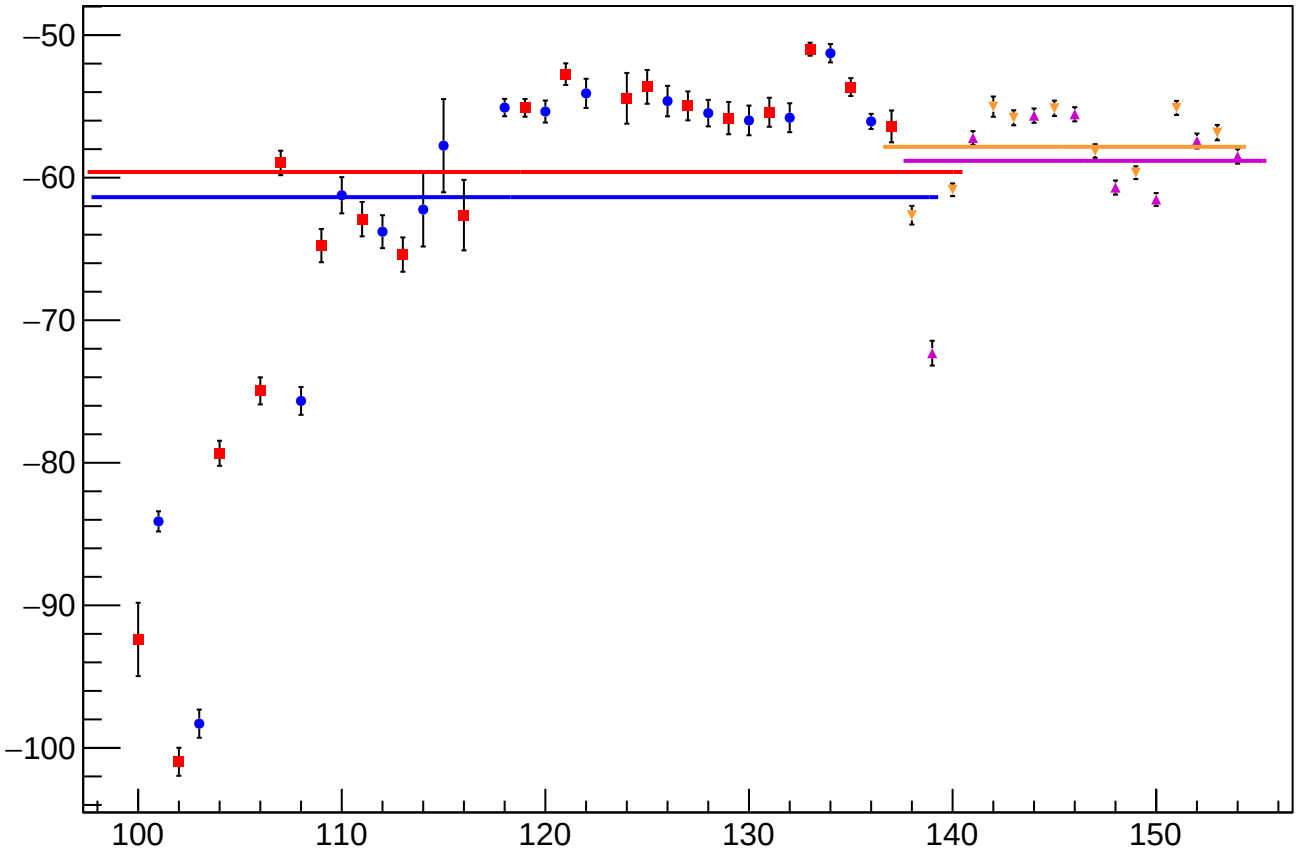
Left: -3.110+/-0.170 χ^2/NDF: 731.2/16

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.934+/-0.162 χ^2/NDF:528.4/23

Out: -1.780+/-0.156 χ^2/NDF:517.4/27

All: -1.854+/-0.112 χ^2/NDF: 1046.3/51



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.836+/-0.174 χ^2/NDF:205.3/8

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -58.821+/-0.183 χ^2/NDF:390.6/7

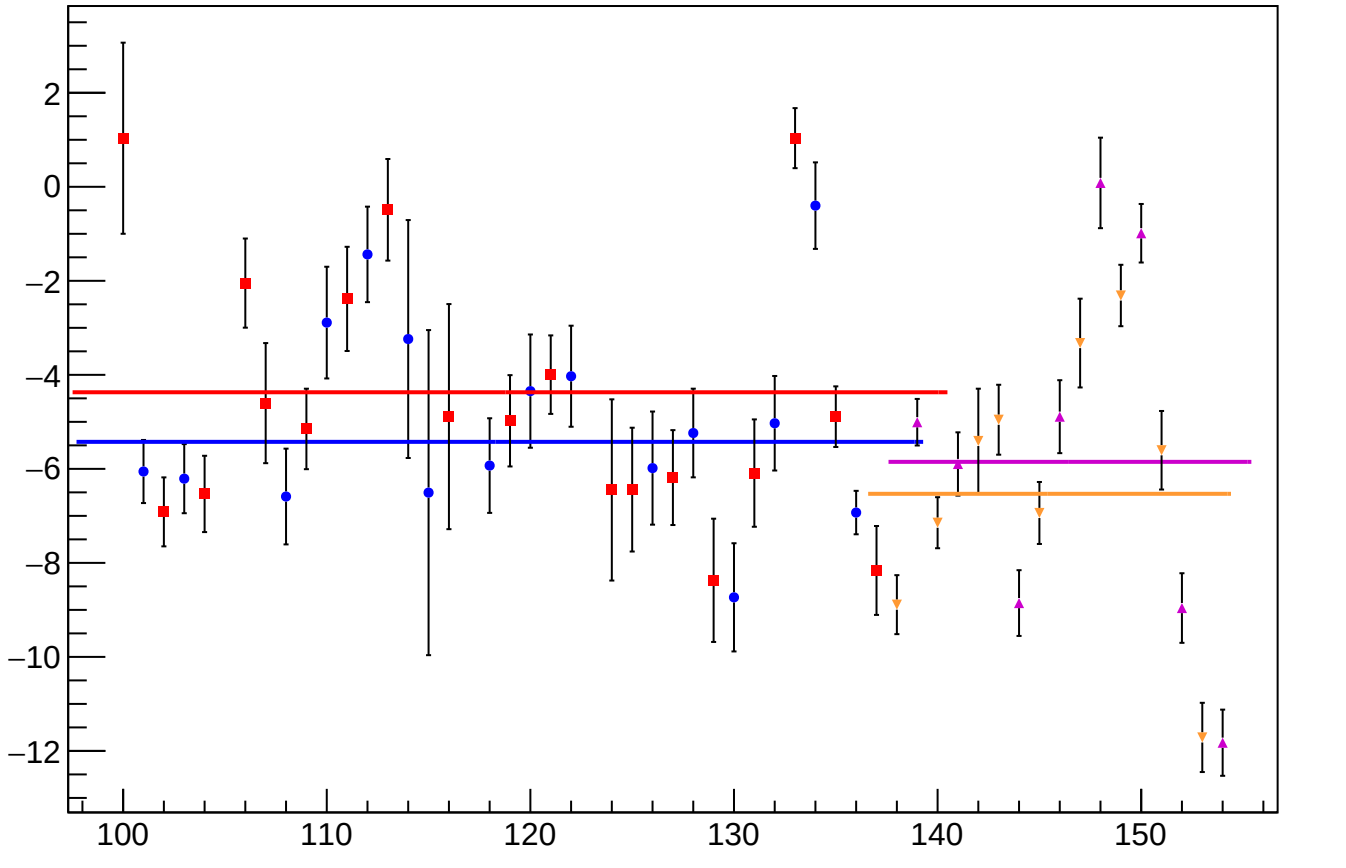
Left: -58.303+/-0.126 χ^2/NDF: 611.2/16

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

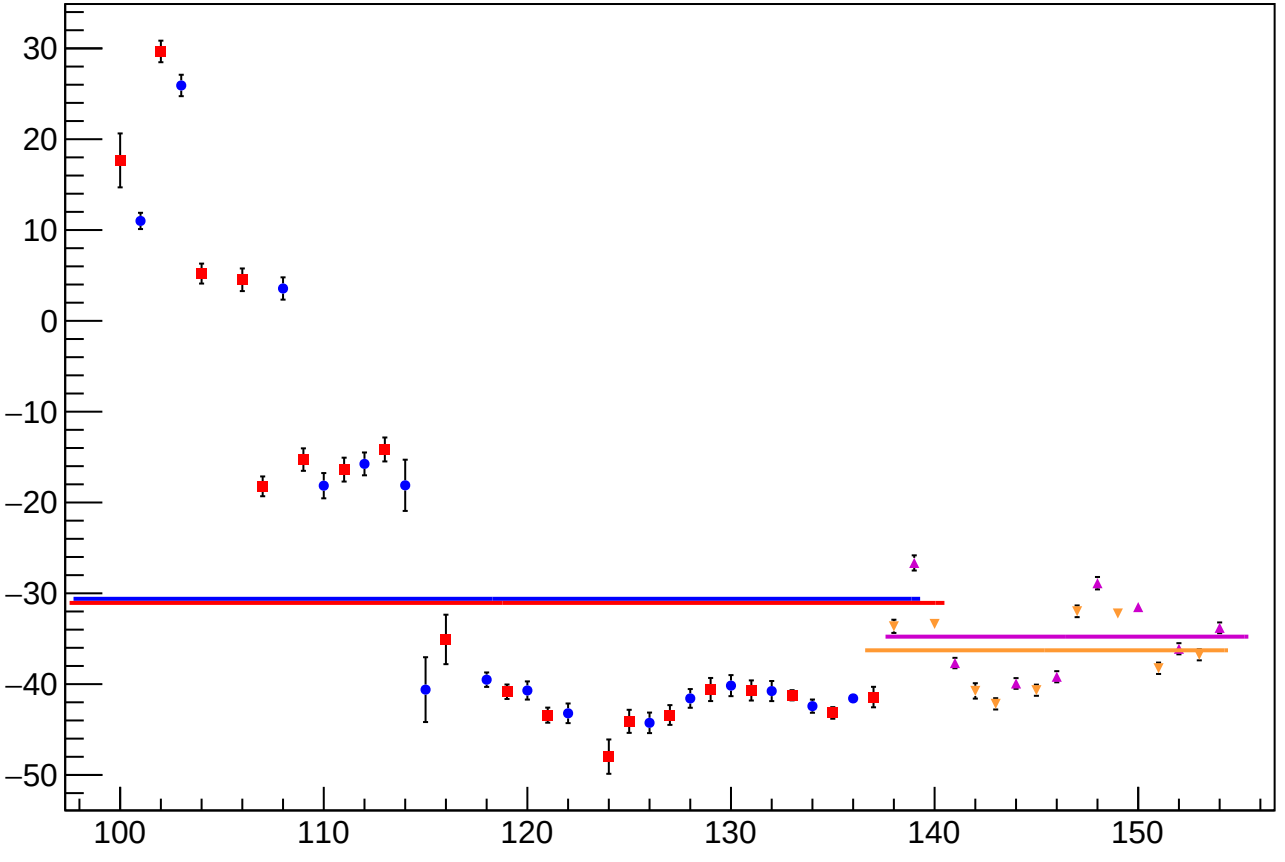
In: -59.867+/-0.140 χ^2/NDF:3821.4/23

Out: -58.566+/-0.133 χ^2/NDF:3669.4/27

All: -59.181+/-0.097 χ^2/NDF: 7536.1/51


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: -5.851+/-0.239 χ²/NDF:211.6/7
Left: -6.192+/-0.169 χ²/NDF: 340.9/16
Right: -4.881+/-0.160 χ²/NDF: 243.4/34
In: -5.630+/-0.166 χ²/NDF:289.2/23
Out: -5.376+/-0.163 χ²/NDF:325.8/27
All: -5.501+/-0.116 χ²/NDF: 616.1/51

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.276+/-0.208 χ^2/NDF:323.1/8

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -34.772+/-0.216 χ^2/NDF:368.7/7

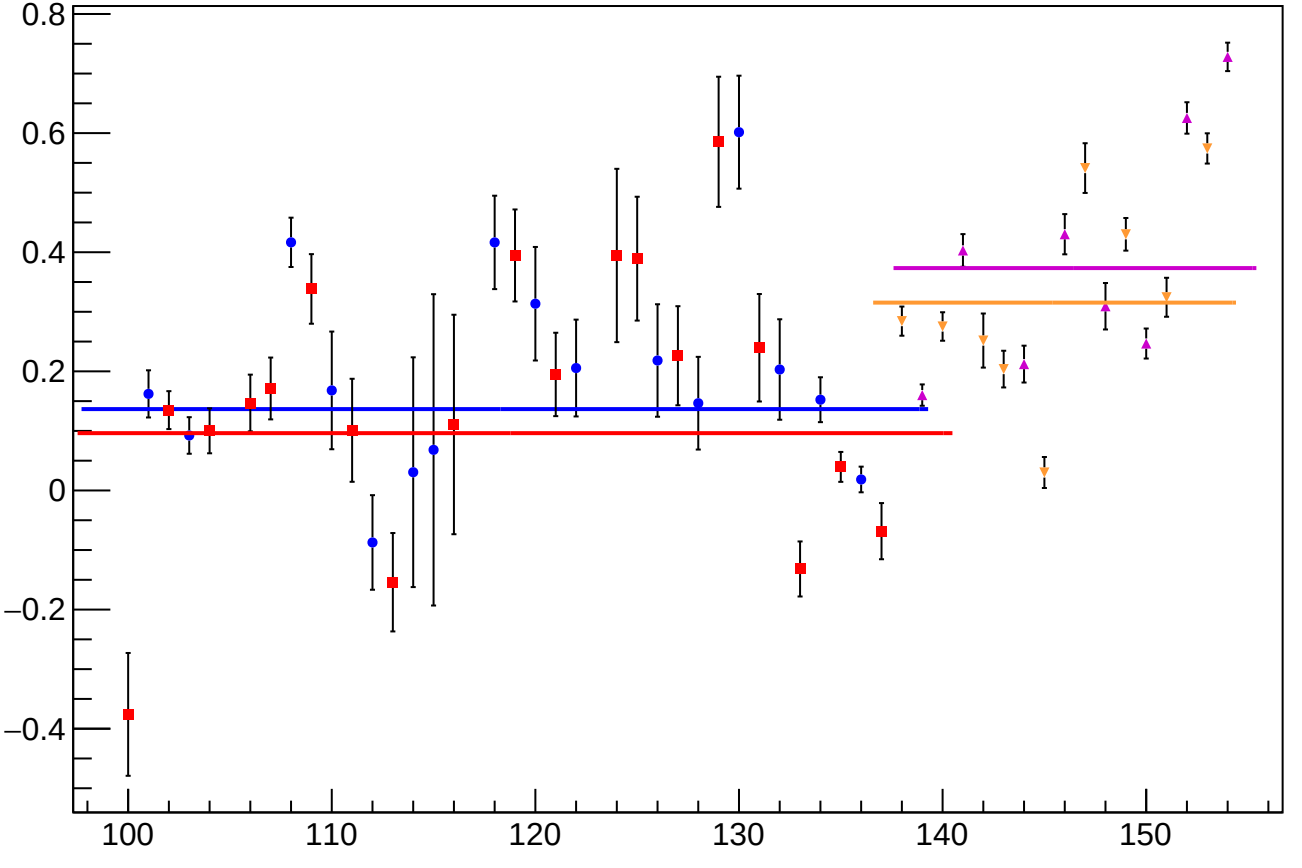
Left: -35.553+/-0.150 χ^2/NDF: 716.8/16

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -32.982+/-0.163 χ^2/NDF:7465.9/23

Out: -34.012+/-0.157 χ^2/NDF:7572.4/27

All: -33.519+/-0.113 χ^2/NDF: 15059.0/51



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.315+/-0.010 χ^2/NDF:290.4/8

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.373+/-0.009 χ^2/NDF:512.5/7

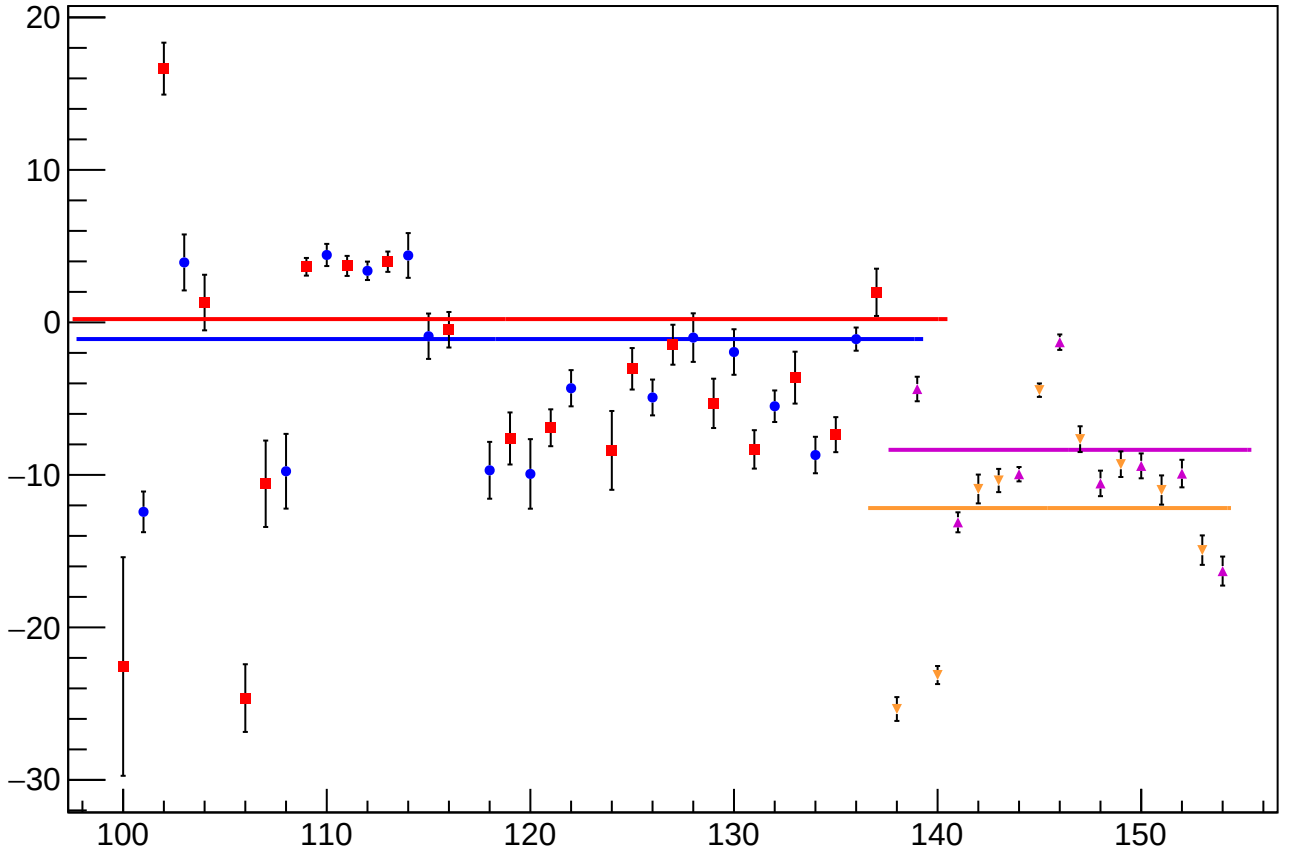
Left: 0.346+/-0.007 χ^2/NDF: 821.9/16

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.290+/-0.007 χ^2/NDF:874.2/23

Out: 0.233+/-0.008 χ^2/NDF:634.4/27

All: 0.262+/-0.005 χ^2/NDF: 1537.9/51



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: -8.356+/-0.239 χ^2/NDF:364.2/7

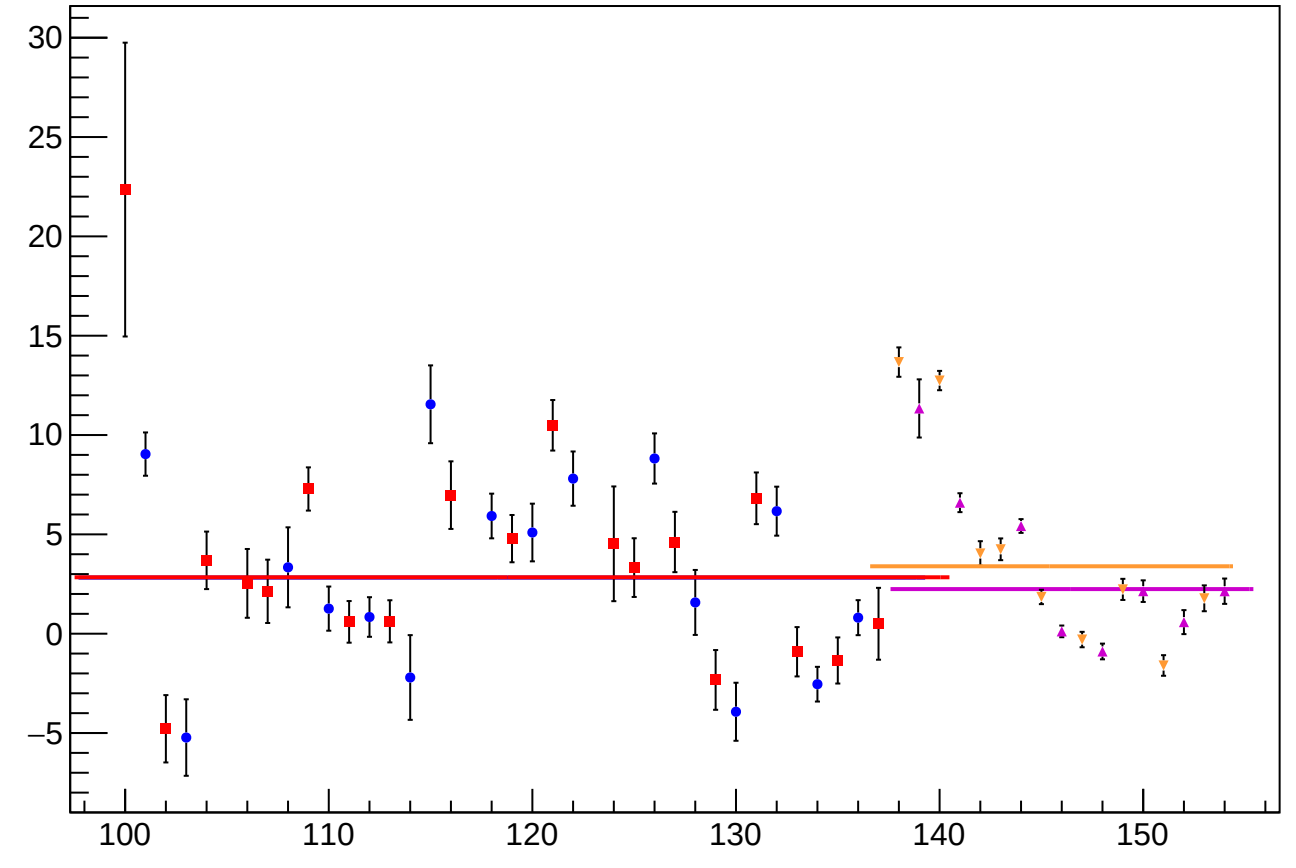
Left: -10.260+/-0.169 χ^2/NDF: 1481.6/16

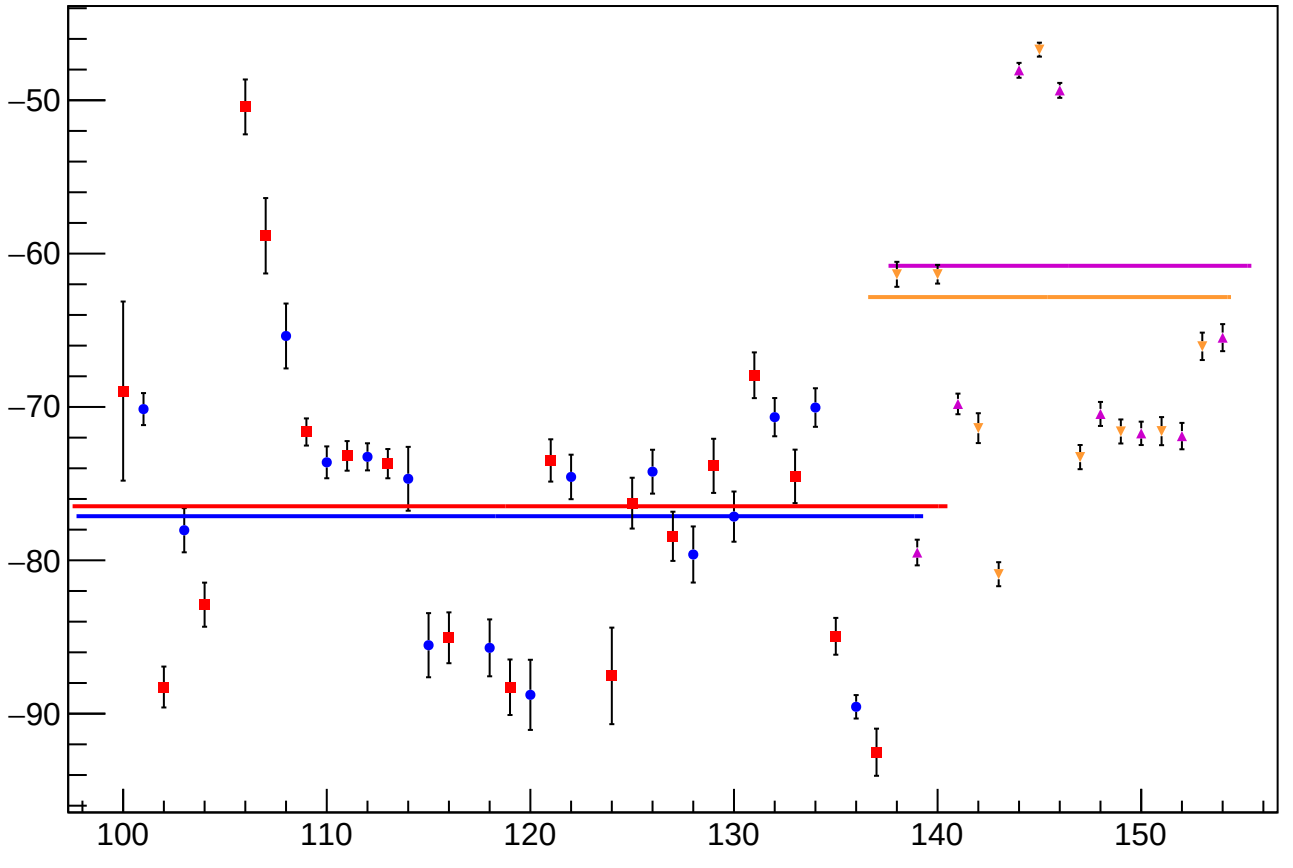
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -5.304+/-0.182 χ^2/NDF:1084.8/23

Out: -6.632+/-0.178 χ^2/NDF:2708.4/27

All: -5.982+/-0.127 χ^2/NDF: 3820.4/51


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: 2.245+/-0.159 χ²/NDF:329.0/7
Left: 2.791+/-0.115 χ²/NDF: 1132.1/16
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 2.363+/-0.142 χ²/NDF:531.3/23
Out: 3.276+/-0.148 χ²/NDF:925.5/27
All: 2.799+/-0.102 χ²/NDF: 1476.7/51



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: -60.795+/-0.235 χ^2/NDF:2470.0/7

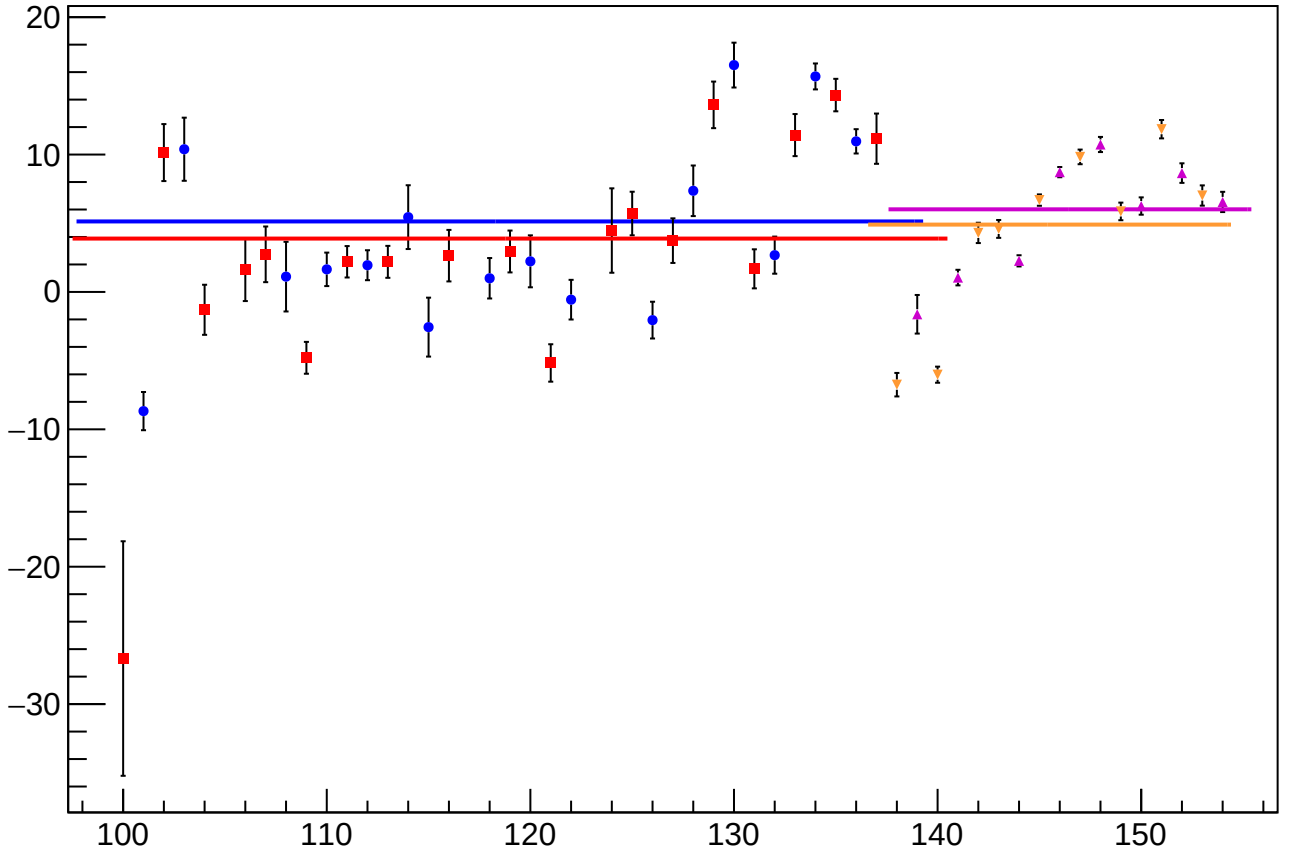
Left: -61.795+/-0.168 χ^2/NDF: 4783.9/16

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.379+/-0.191 χ^2/NDF:4621.1/23

Out: -67.576+/-0.194 χ^2/NDF:4097.7/27

All: -66.969+/-0.136 χ^2/NDF: 8738.2/51



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.902+/-0.203 χ^2/NDF:756.0/8

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 6.013+/-0.194 χ^2/NDF:331.7/7

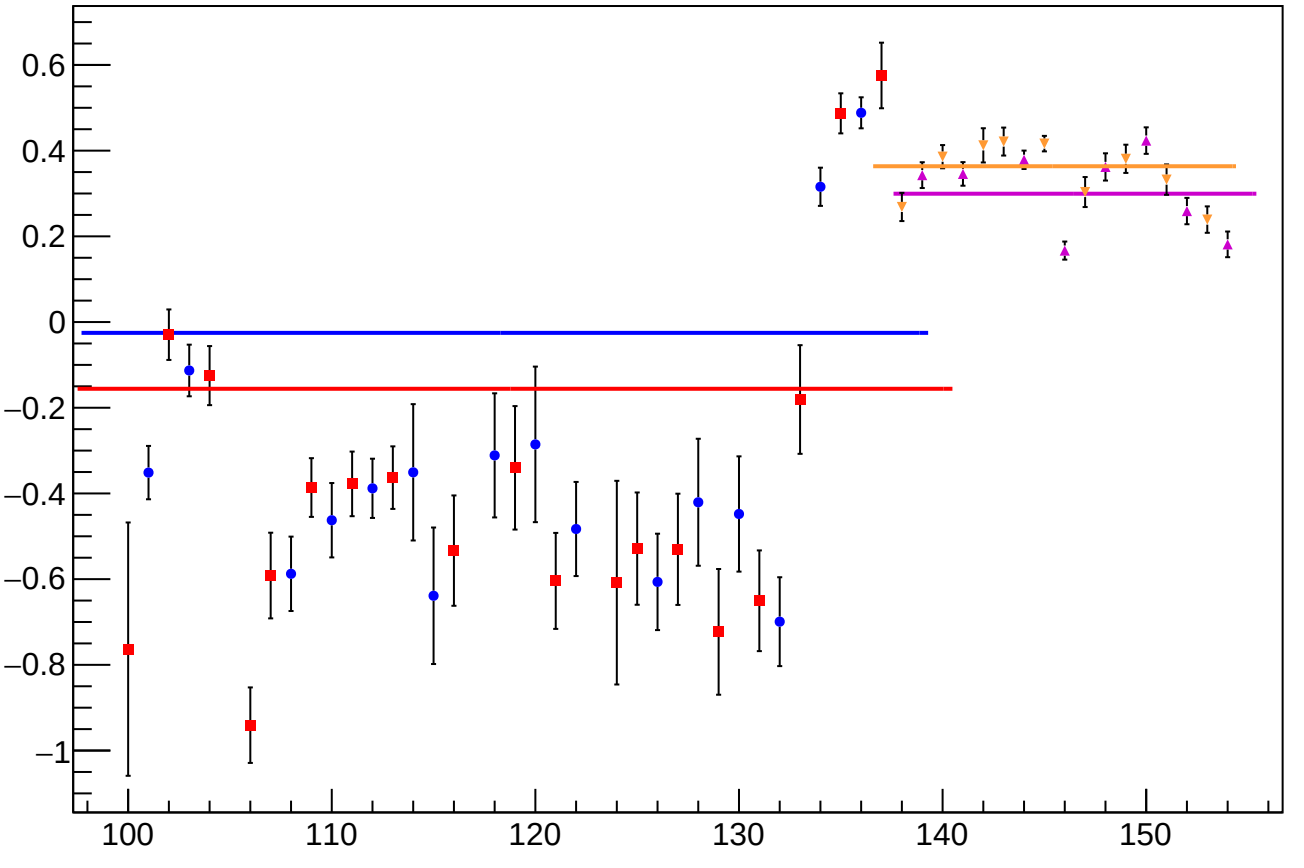
Left: 5.481+/-0.140 χ^2/NDF: 1103.4/16

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 5.806+/-0.170 χ^2/NDF:748.9/23

Out: 4.658+/-0.177 χ^2/NDF:1053.4/27

All: 5.255+/-0.122 χ^2/NDF: 1824.3/51



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: 0.300+/-0.010 χ^2/NDF:95.3/7

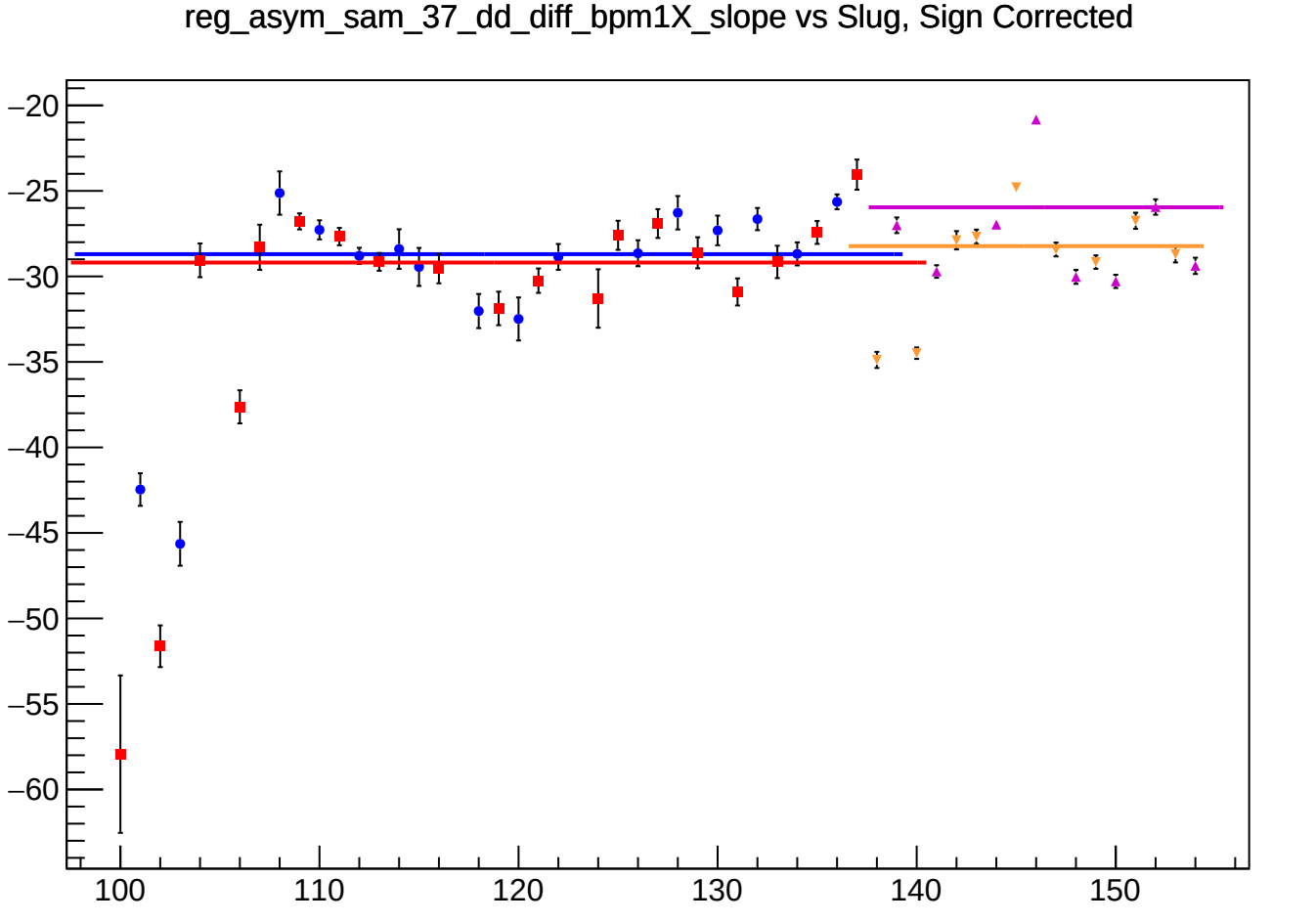
Left: 0.331+/-0.007 χ^2/NDF: 159.9/16

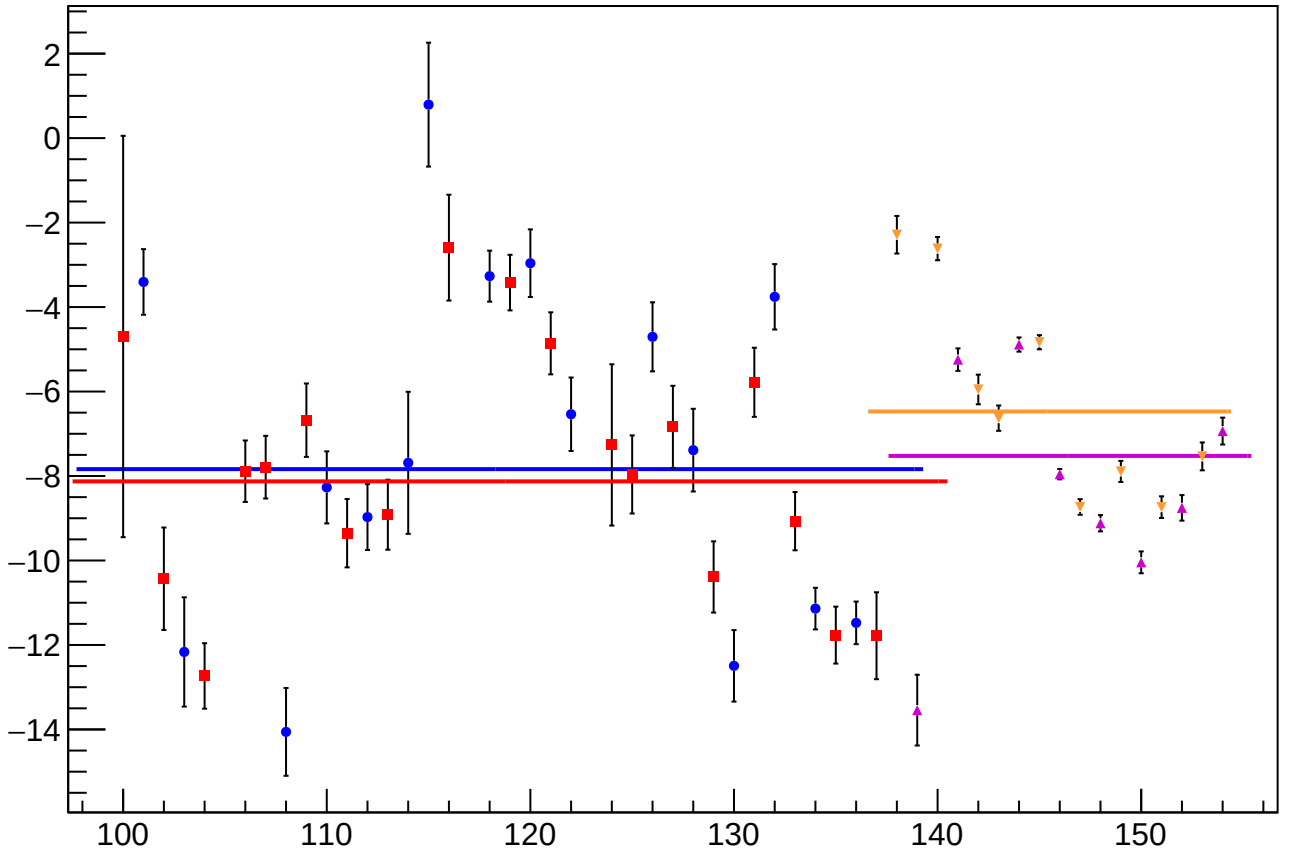
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.234+/-0.009 χ^2/NDF:842.5/23

Out: 0.265+/-0.009 χ^2/NDF:1072.7/27

All: 0.249+/-0.006 χ^2/NDF: 1921.7/51


reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
−45
−50
−55
−60
100
110
120
130
140
150
Right In: -28.698+/-0.186 χ²/NDF: 487.3/15
Left Out: -28.229+/-0.121 χ²/NDF:856.5/8
Right Out: -29.189+/-0.181 χ²/NDF: 557.3/18
Left In: -25.959+/-0.114 χ²/NDF:1025.6/7
Left: -27.026+/-0.083 χ²/NDF: 2068.6/16
Right: -28.950+/-0.130 χ²/NDF: 1048.2/34
In: -26.707+/-0.097 χ²/NDF:1670.7/23
Out: -28.525+/-0.101 χ²/NDF:1433.2/27
All: -27.584+/-0.070 χ²/NDF: 3272.8/51



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: -7.524+/-0.075 χ^2/NDF:566.4/7

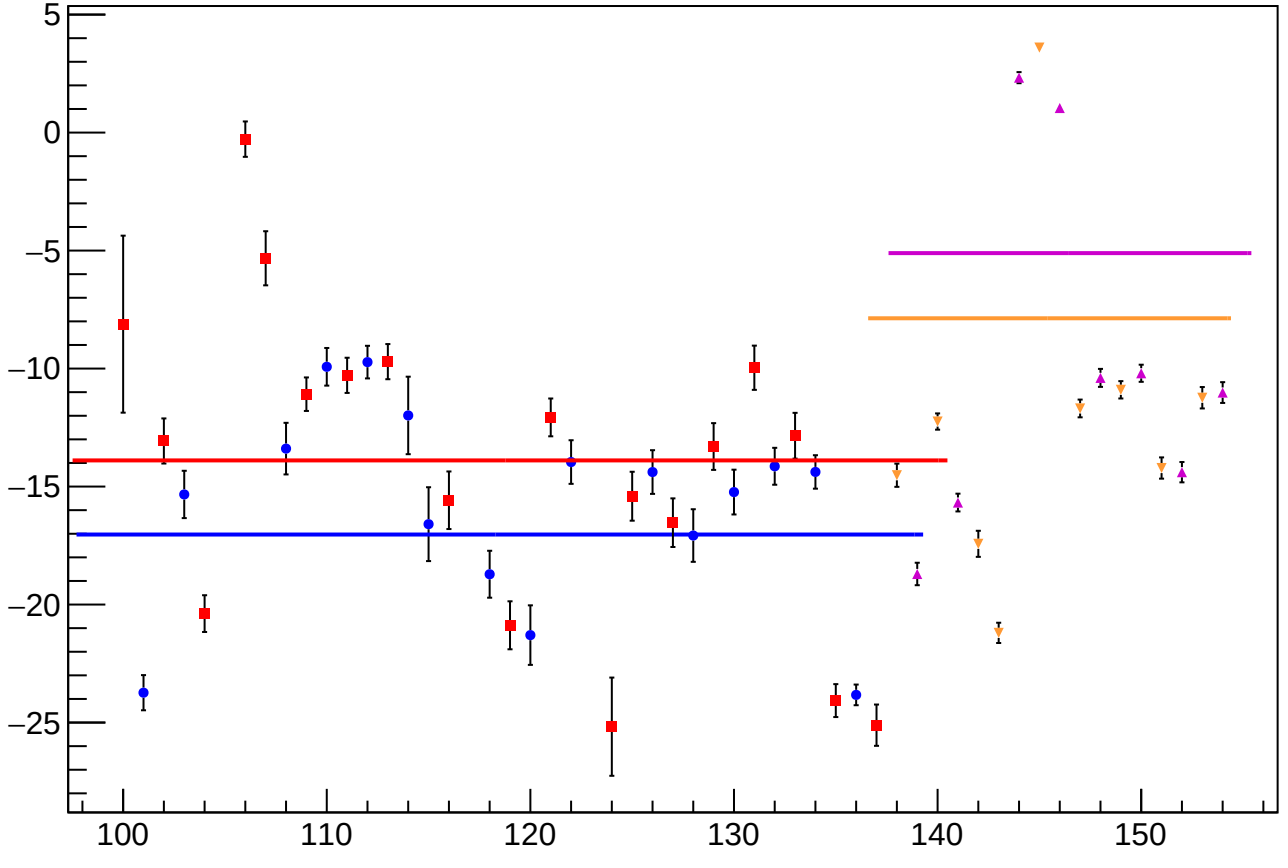
Left: -7.058+/-0.056 χ^2/NDF: 1307.6/16

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.564+/-0.070 χ^2/NDF:951.8/23

Out: -6.726+/-0.077 χ^2/NDF:910.4/27

All: -7.187+/-0.052 χ^2/NDF: 1927.4/51



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -7.869+/-0.121 χ^2/NDF:5074.1/8

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -5.108+/-0.112 χ^2/NDF:4598.4/7

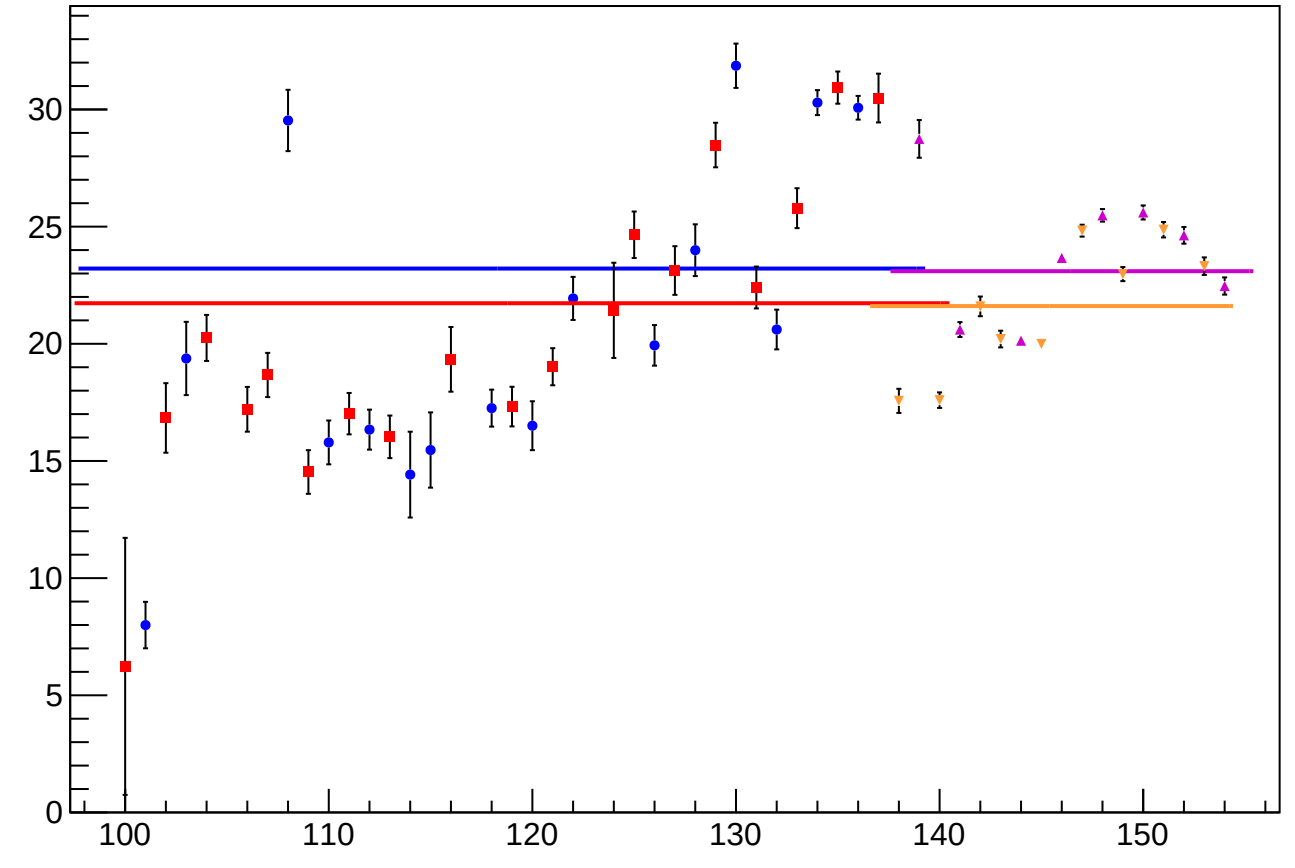
Left: -6.383+/-0.082 χ^2/NDF: 9954.2/16

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -7.755+/-0.099 χ^2/NDF:7723.6/23

Out: -9.372+/-0.105 χ^2/NDF:6712.8/27

All: -8.516+/-0.072 χ^2/NDF: 14562.9/51



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: 23.098+/-0.091 χ^2/NDF:521.1/7

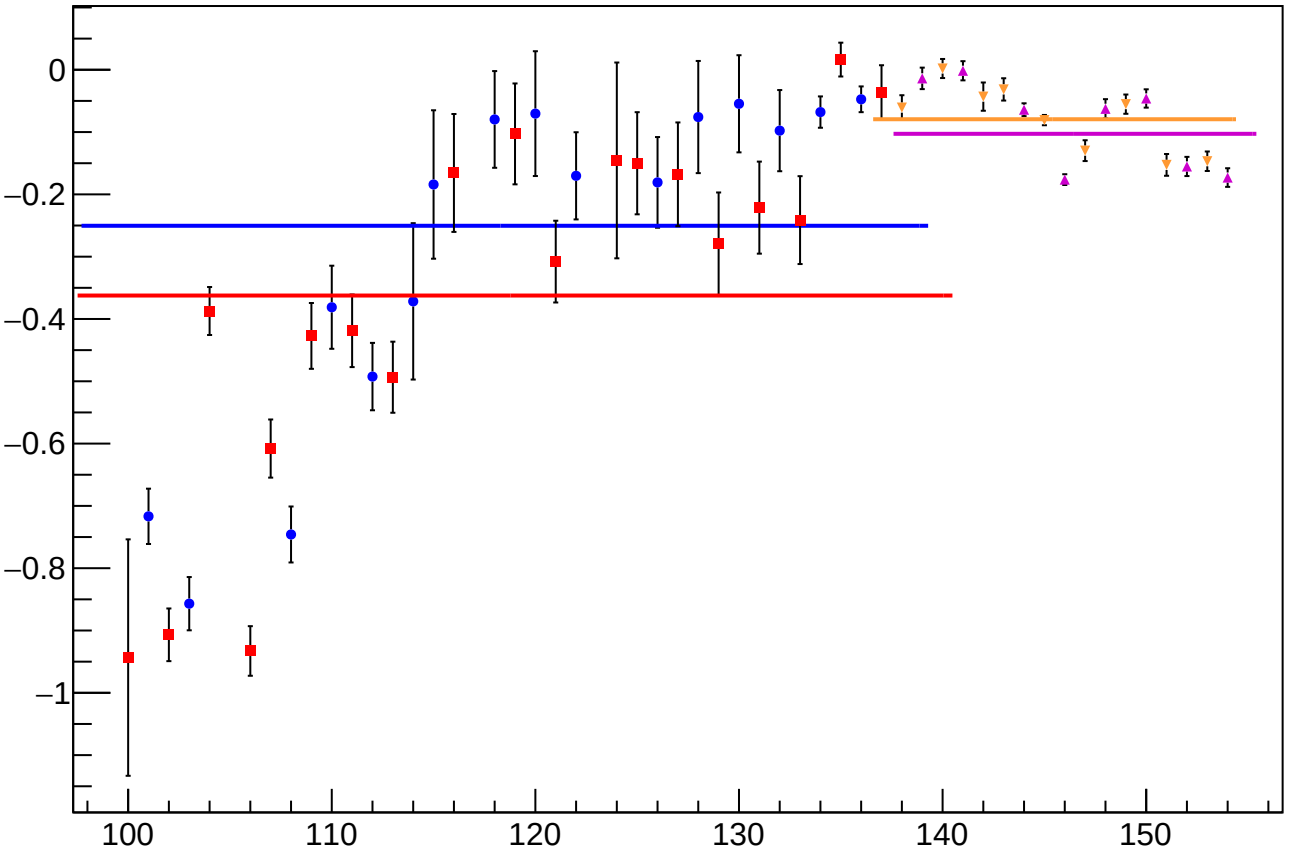
Left: 22.434+/-0.068 χ^2/NDF: 1233.5/16

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.115+/-0.084 χ^2/NDF:1529.5/23

Out: 21.631+/-0.093 χ^2/NDF:1152.6/27

All: 22.443+/-0.062 χ^2/NDF: 2822.4/51



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: -0.103+/-0.005 χ^2/NDF:211.6/7

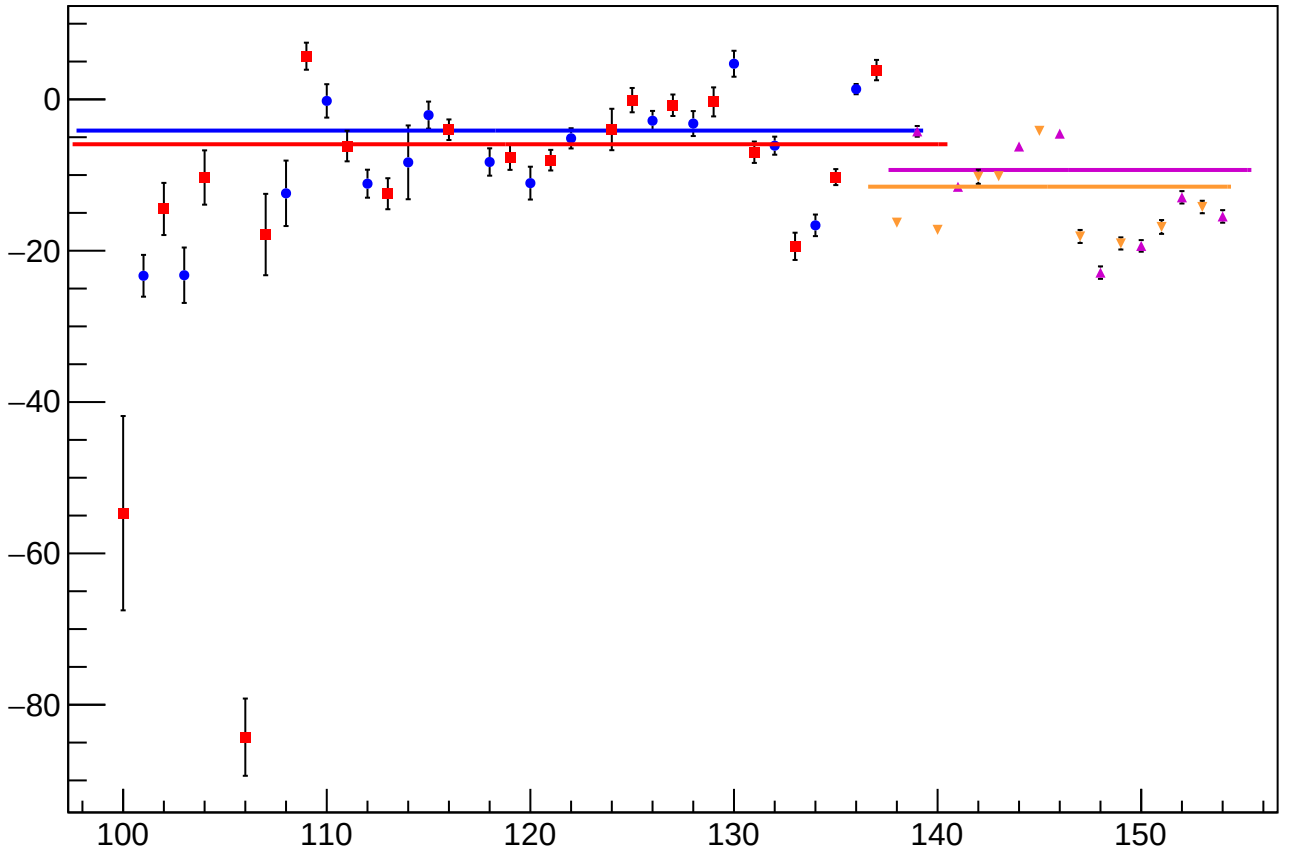
Left: -0.092+/-0.003 χ^2/NDF: 310.4/16

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.122+/-0.004 χ^2/NDF:984.0/23

Out: -0.118+/-0.005 χ^2/NDF:1244.7/27

All: -0.120+/-0.003 χ^2/NDF: 2229.2/51



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: -9.328+/-0.211 χ^2/NDF:773.6/7

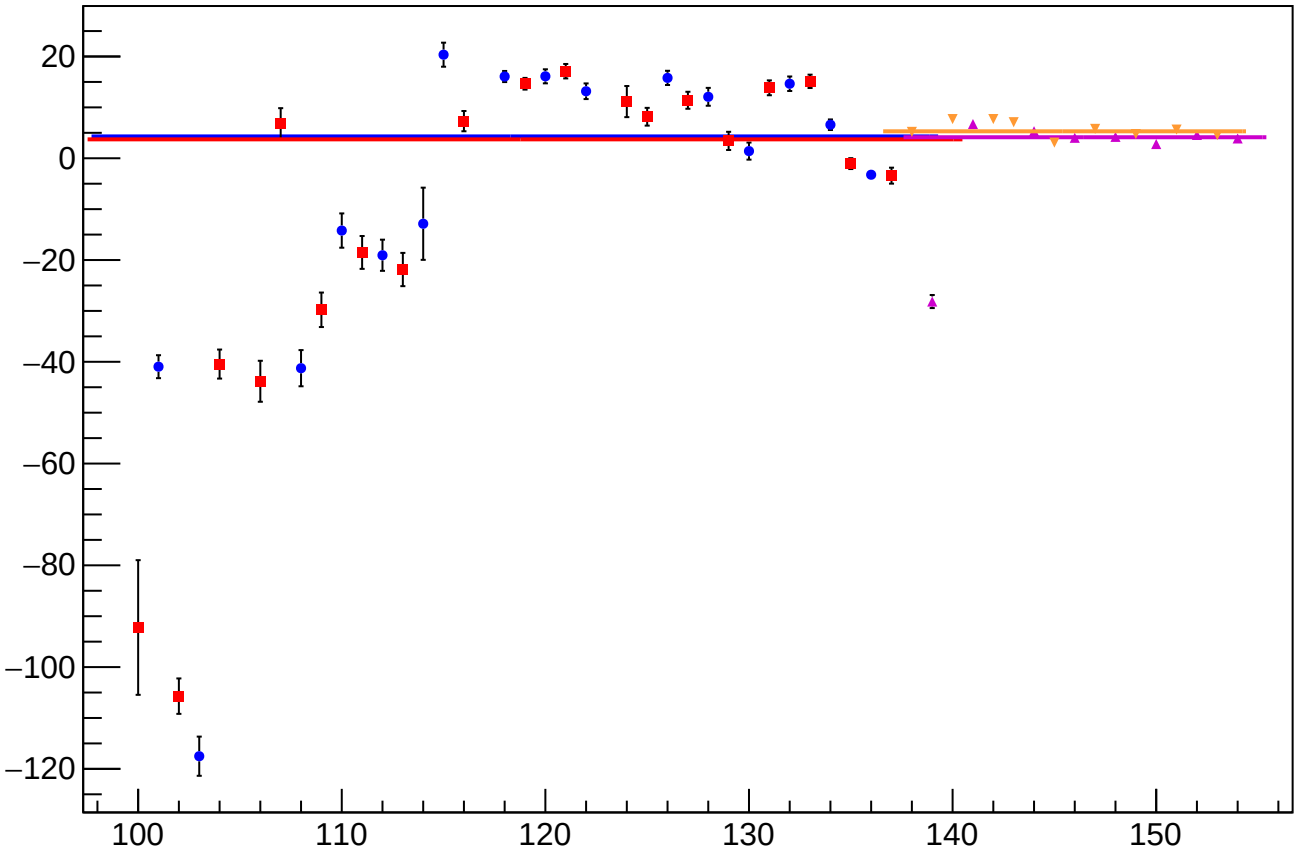
Left: -10.420+/-0.150 χ^2/NDF: 1586.7/16

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -8.108+/-0.185 χ^2/NDF:1203.8/23

Out: -10.328+/-0.189 χ^2/NDF:1390.1/27

All: -9.192+/-0.132 χ^2/NDF: 2664.3/51



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.297+/-0.152 χ^2/NDF:117.7/8

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.131+/-0.143 χ^2/NDF:685.7/7

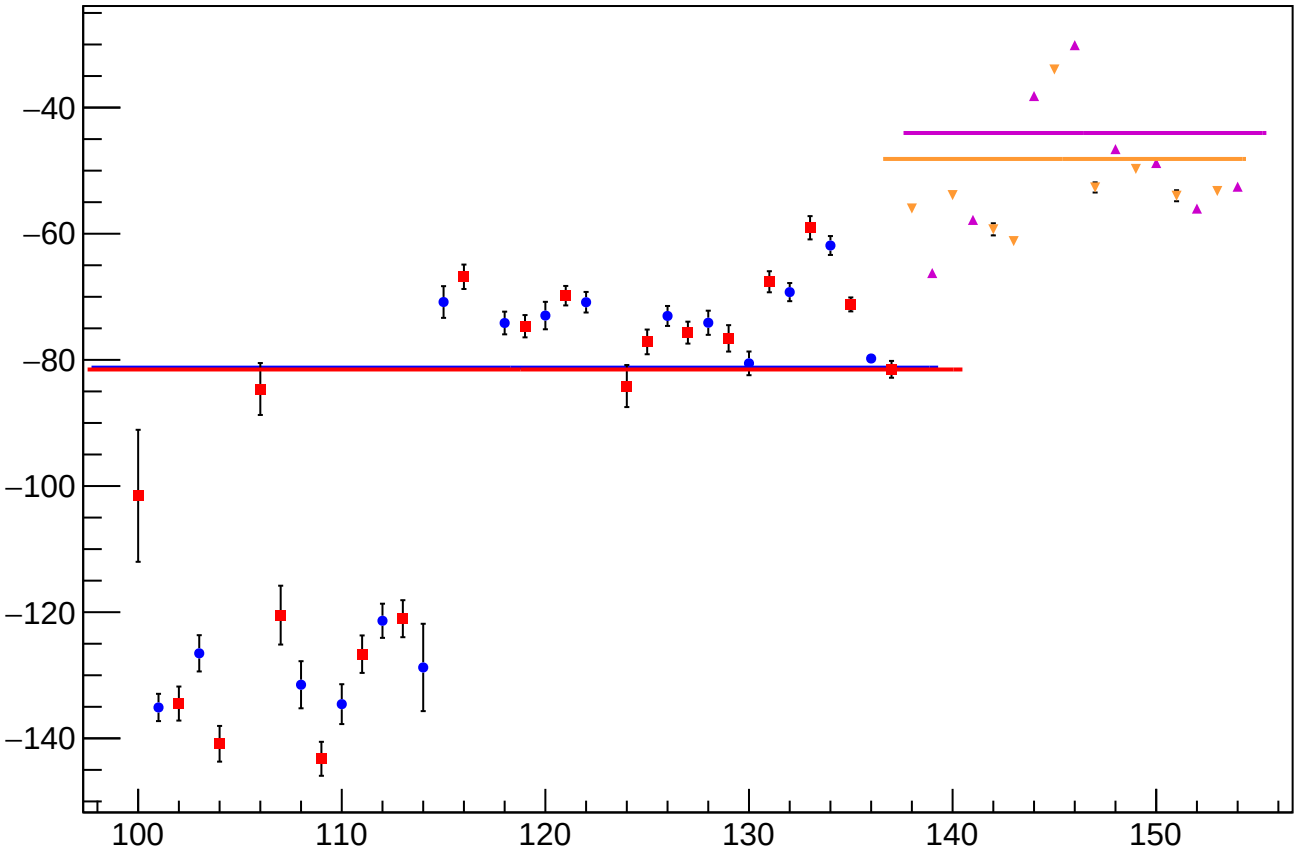
Left: 4.676+/-0.104 χ^2/NDF: 834.6/16

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.151+/-0.134 χ^2/NDF:2855.0/23

Out: 5.115+/-0.143 χ^2/NDF:2137.3/27

All: 4.600+/-0.098 χ^2/NDF: 5016.4/51



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: -44.030+/-0.208 χ^2/NDF:3212.0/7

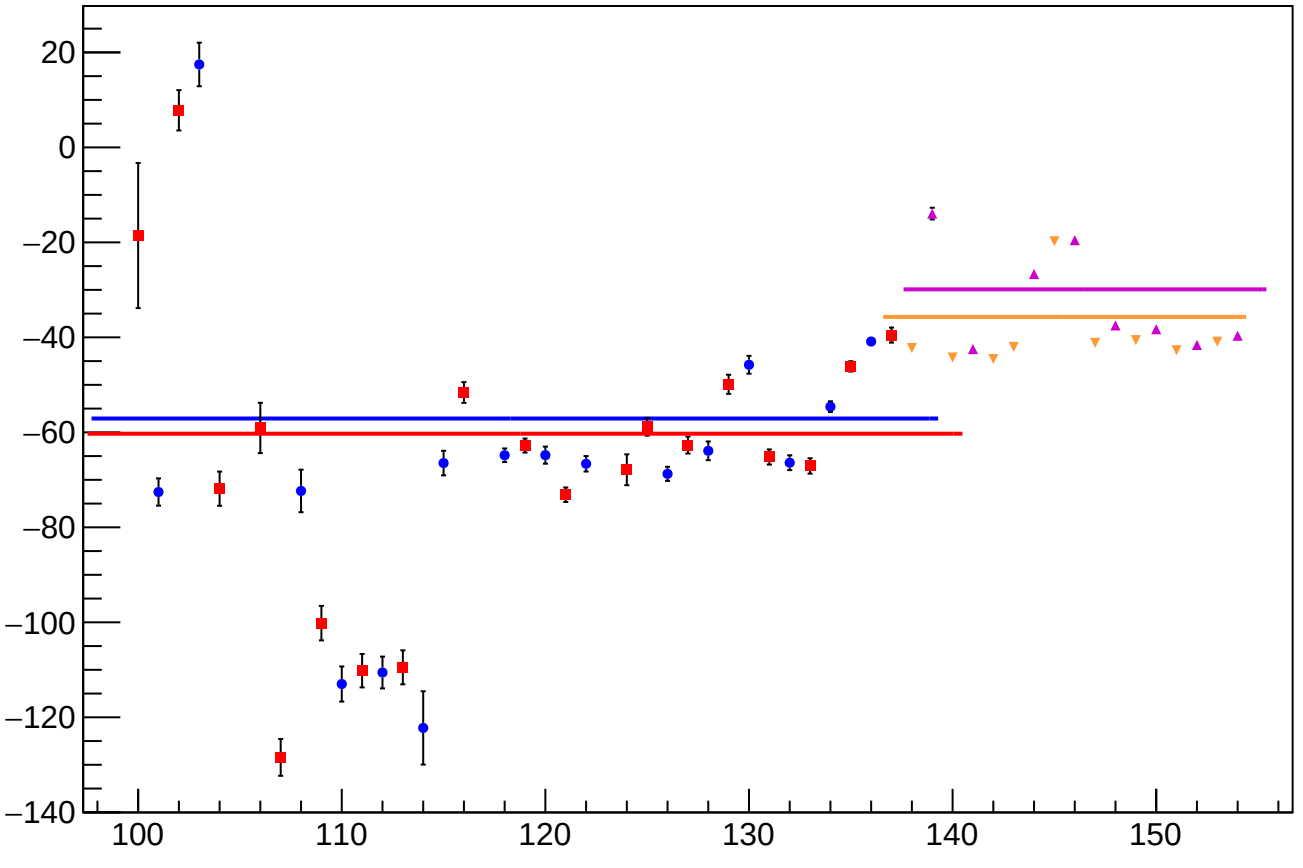
Left: -46.023+/-0.150 χ^2/NDF: 5658.1/16

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.459+/-0.186 χ^2/NDF:11557.4/23

Out: -54.089+/-0.195 χ^2/NDF:8847.6/27

All: -52.715+/-0.135 χ^2/NDF: 20500.3/51



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: -29.892+/-0.173 χ^2/NDF:2856.1/7

Left: -32.632+/-0.126 χ^2/NDF: 6517.8/16

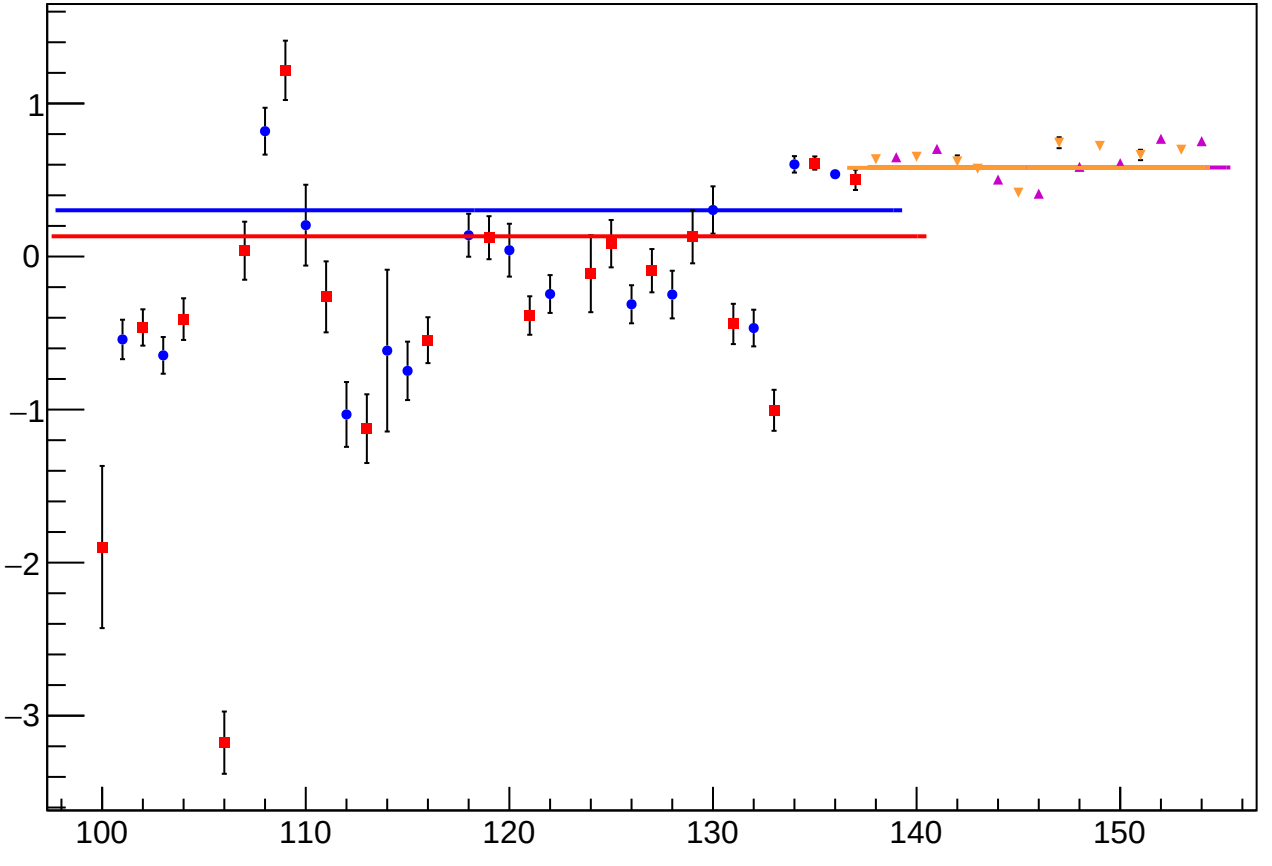
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -33.765+/-0.161 χ^2/NDF:7882.7/23

Out: -38.949+/-0.171 χ^2/NDF:7096.1/27

All: -36.197+/-0.117 χ^2/NDF: 15467.1/51

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.579+/-0.009 χ^2/NDF:198.0/8

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.582+/-0.008 χ^2/NDF:233.6/7

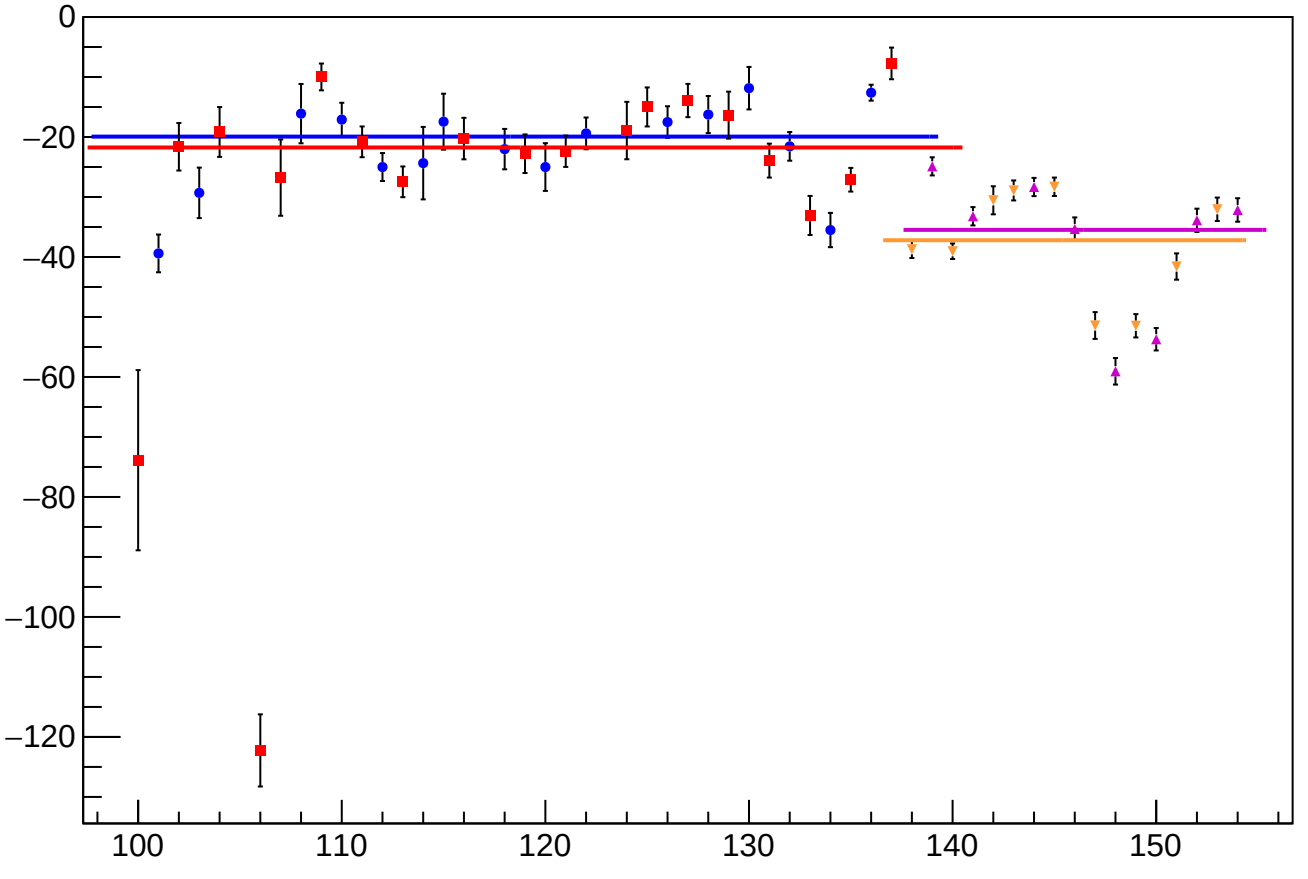
Left: 0.581+/-0.006 χ^2/NDF: 431.7/16

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.548+/-0.008 χ^2/NDF:739.1/23

Out: 0.536+/-0.008 χ^2/NDF:1127.3/27

All: 0.542+/-0.006 χ^2/NDF: 1867.6/51



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: -35.480+/-0.622 χ^2/NDF:285.8/7

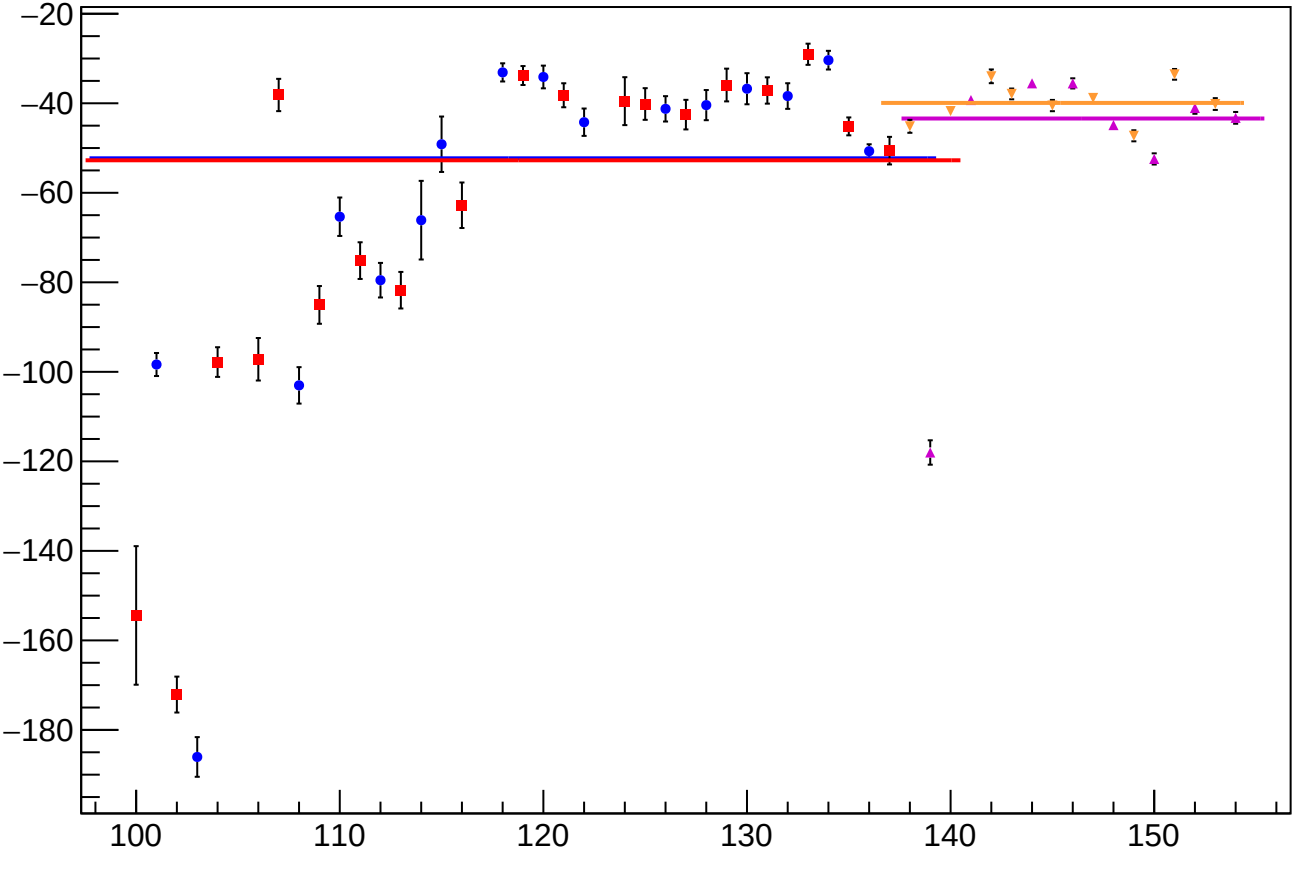
Left: -36.401+/-0.424 χ^2/NDF: 465.0/16

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.568+/-0.463 χ^2/NDF:684.4/23

Out: -31.050+/-0.450 χ^2/NDF:845.8/27

All: -29.844+/-0.323 χ^2/NDF: 1545.0/51



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.918+/-0.410 χ^2/NDF:98.8/8

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -43.403+/-0.438 χ^2/NDF:916.9/7

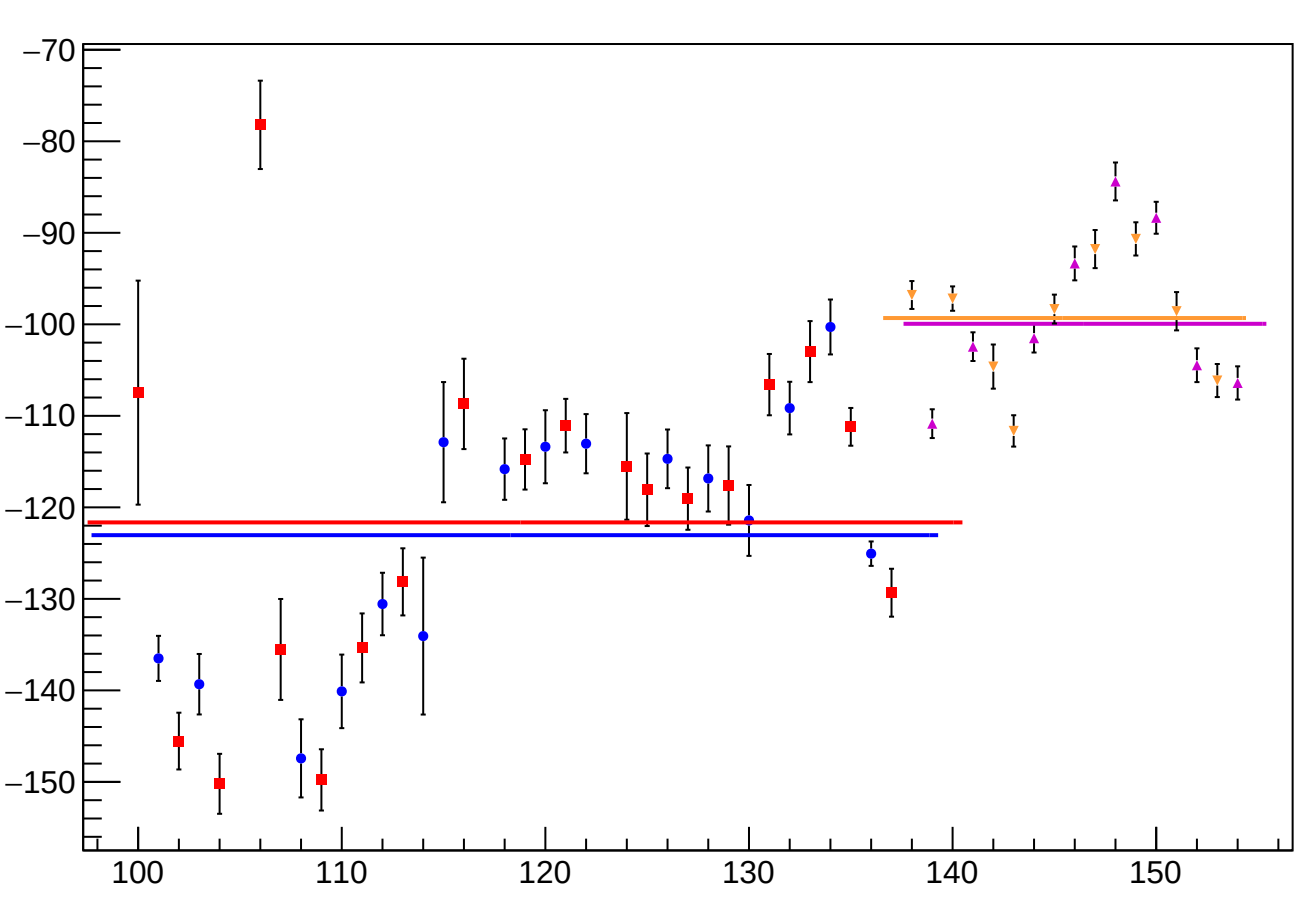
Left: -41.547+/-0.299 χ^2/NDF: 1049.5/16

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -45.863+/-0.372 χ^2/NDF:2809.2/23

Out: -42.879+/-0.360 χ^2/NDF:1987.1/27

All: -44.319+/-0.259 χ^2/NDF: 4829.6/51



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.313+/-0.580 χ^2/NDF:112.5/8

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -99.943+/-0.612 χ^2/NDF:183.6/7

Left: -99.611+/-0.421 χ^2/NDF: 296.7/16

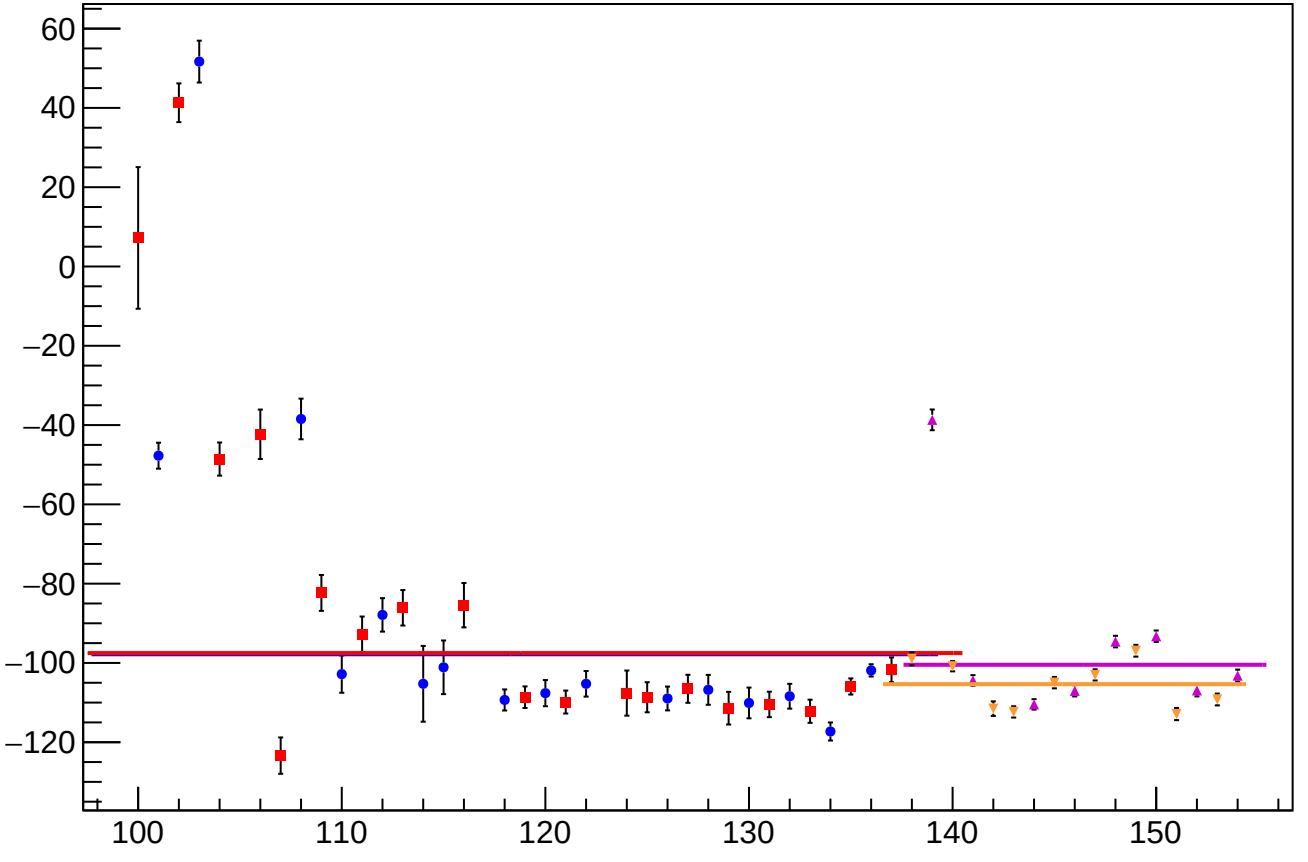
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -109.175+/-0.474 χ^2/NDF:979.7/23

Out: -106.986+/-0.470 χ^2/NDF:1047.0/27

All: -108.070+/-0.334 χ^2/NDF: 2037.5/51

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: -100.464+/-0.528 χ^2/NDF:707.8/7

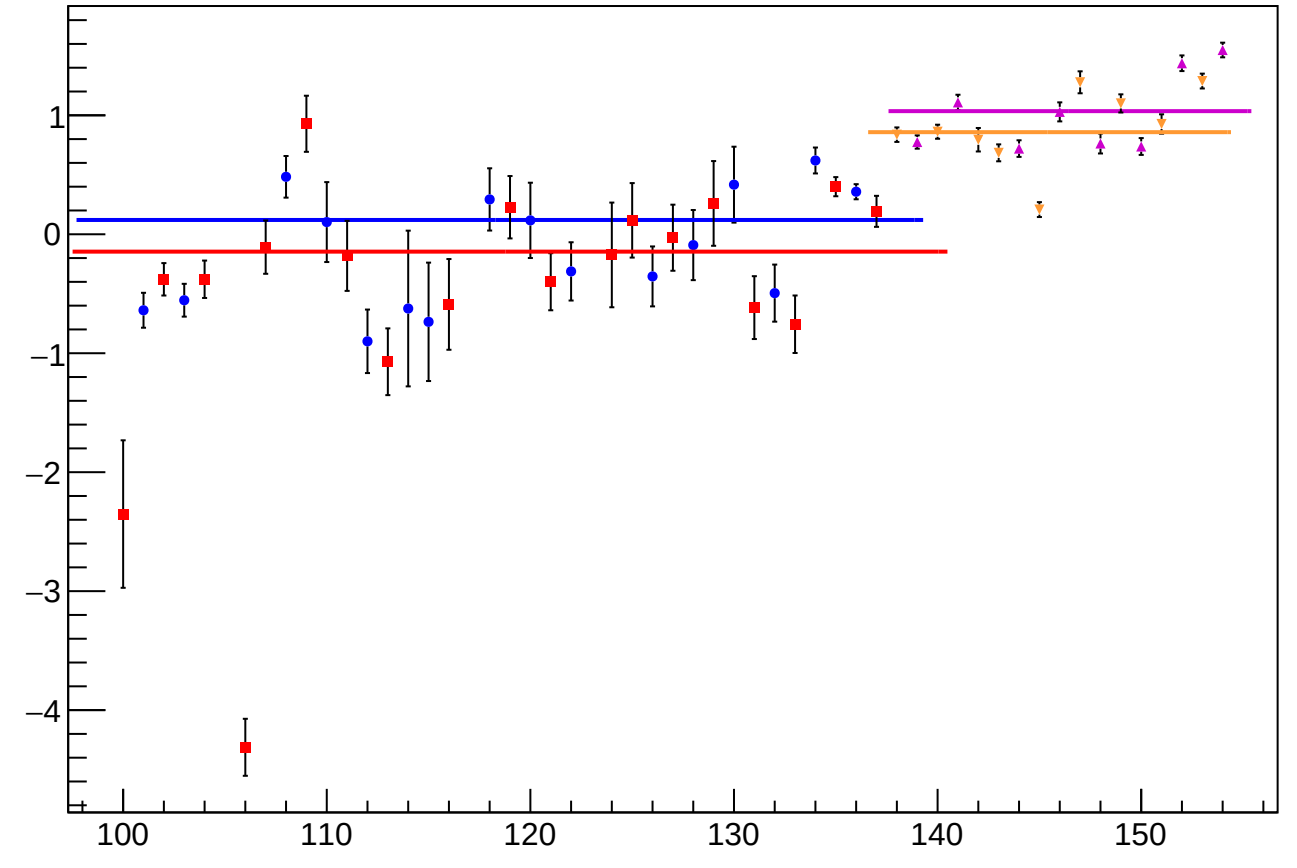
Left: -103.055+/-0.362 χ^2/NDF: 881.5/16

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -99.651+/-0.439 χ^2/NDF:2046.3/23

Out: -103.328+/-0.428 χ^2/NDF:1429.0/27

All: -101.538+/-0.306 χ^2/NDF: 3511.3/51



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.858+/-0.024 χ^2/NDF:193.4/8

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.035+/-0.024 χ^2/NDF:178.0/7

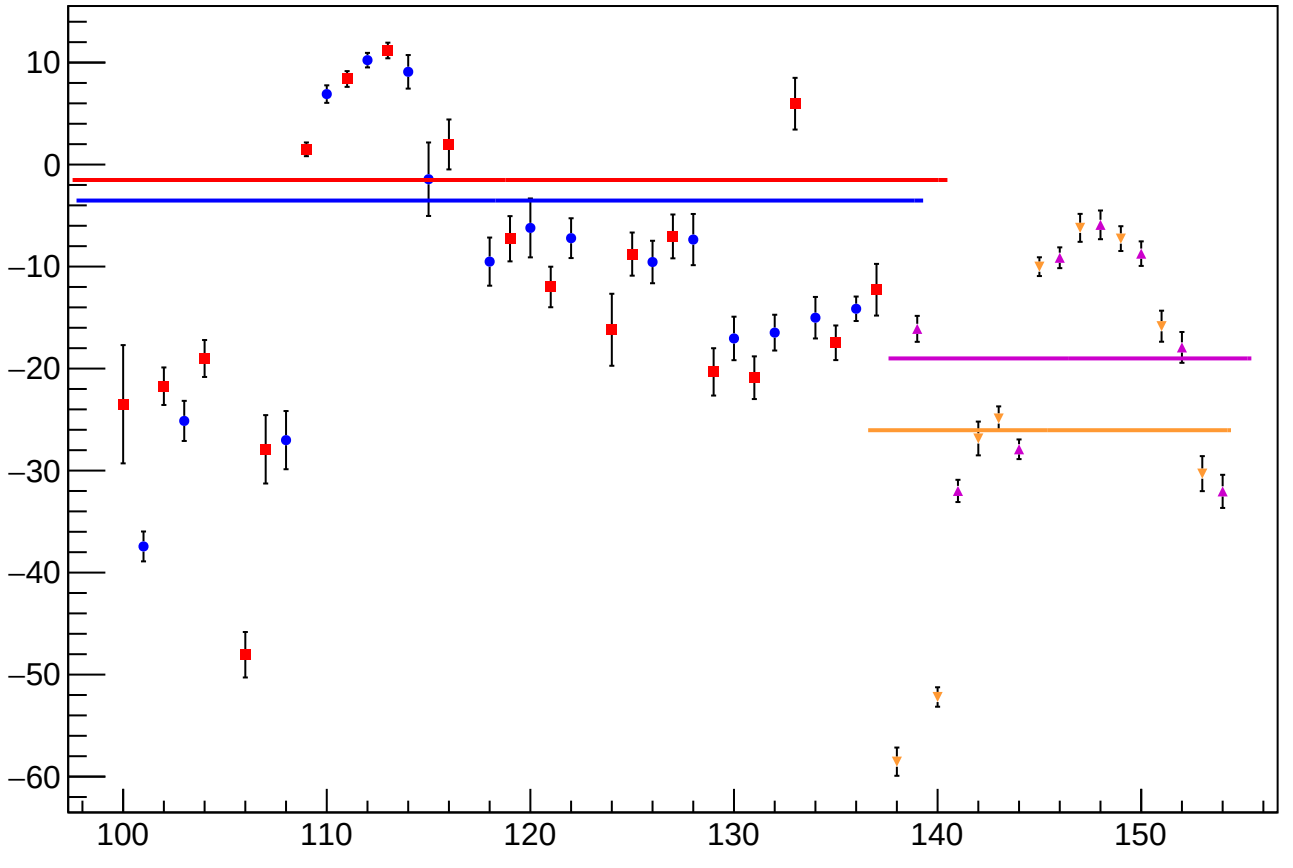
Left: 0.945+/-0.017 χ^2/NDF: 399.3/16

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.806+/-0.021 χ^2/NDF:670.9/23

Out: 0.642+/-0.021 χ^2/NDF:1007.2/27

All: 0.725+/-0.015 χ^2/NDF: 1709.3/51



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: -19.005+/-0.426 χ^2/NDF:550.8/7

Left: -22.630+/-0.297 χ^2/NDF: 2798.9/16

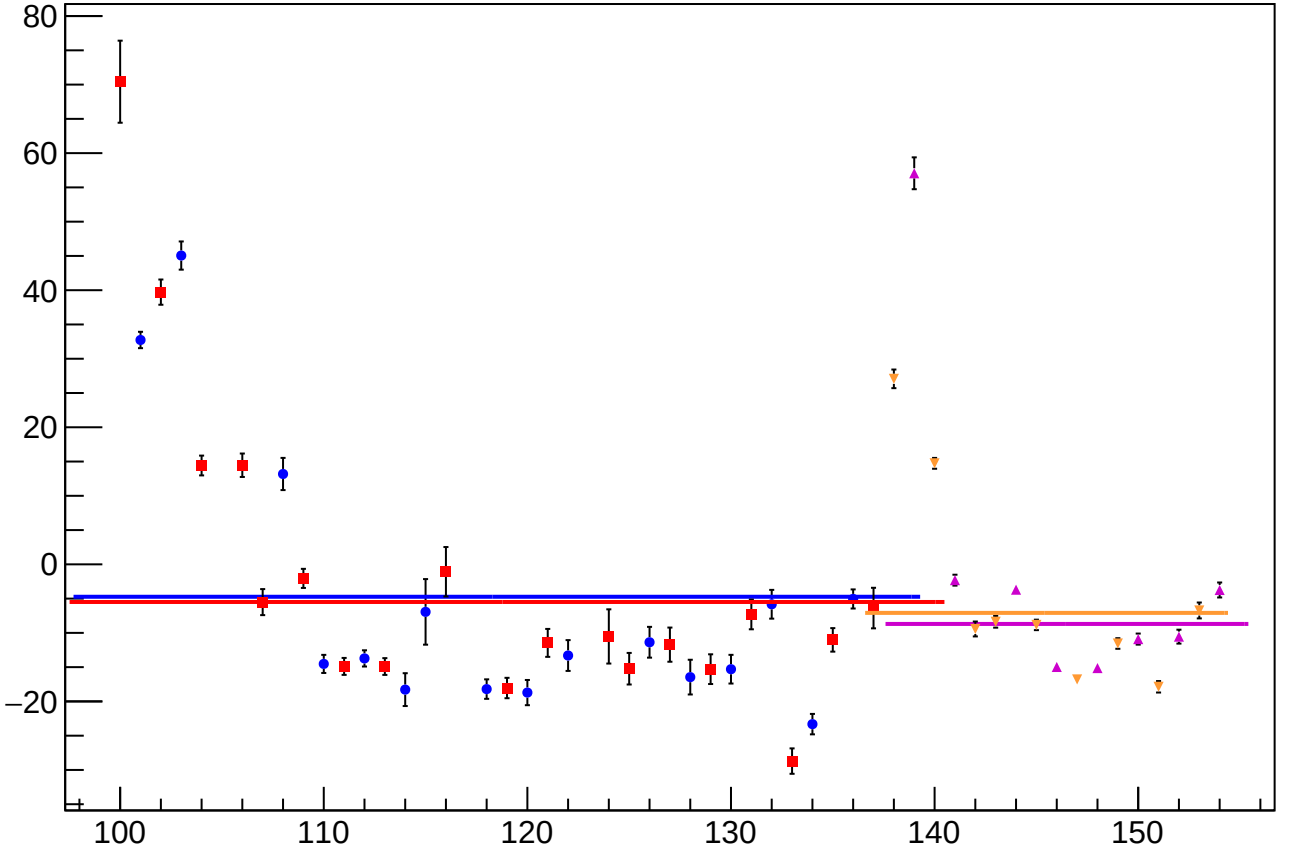
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -10.321+/-0.282 χ^2/NDF:2820.6/23

Out: -11.360+/-0.262 χ^2/NDF:5740.8/27

All: -10.879+/-0.192 χ^2/NDF: 8568.7/51

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.083+/-0.284 χ^2/NDF:1840.2/8

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -8.696+/-0.289 χ^2/NDF:1143.1/7

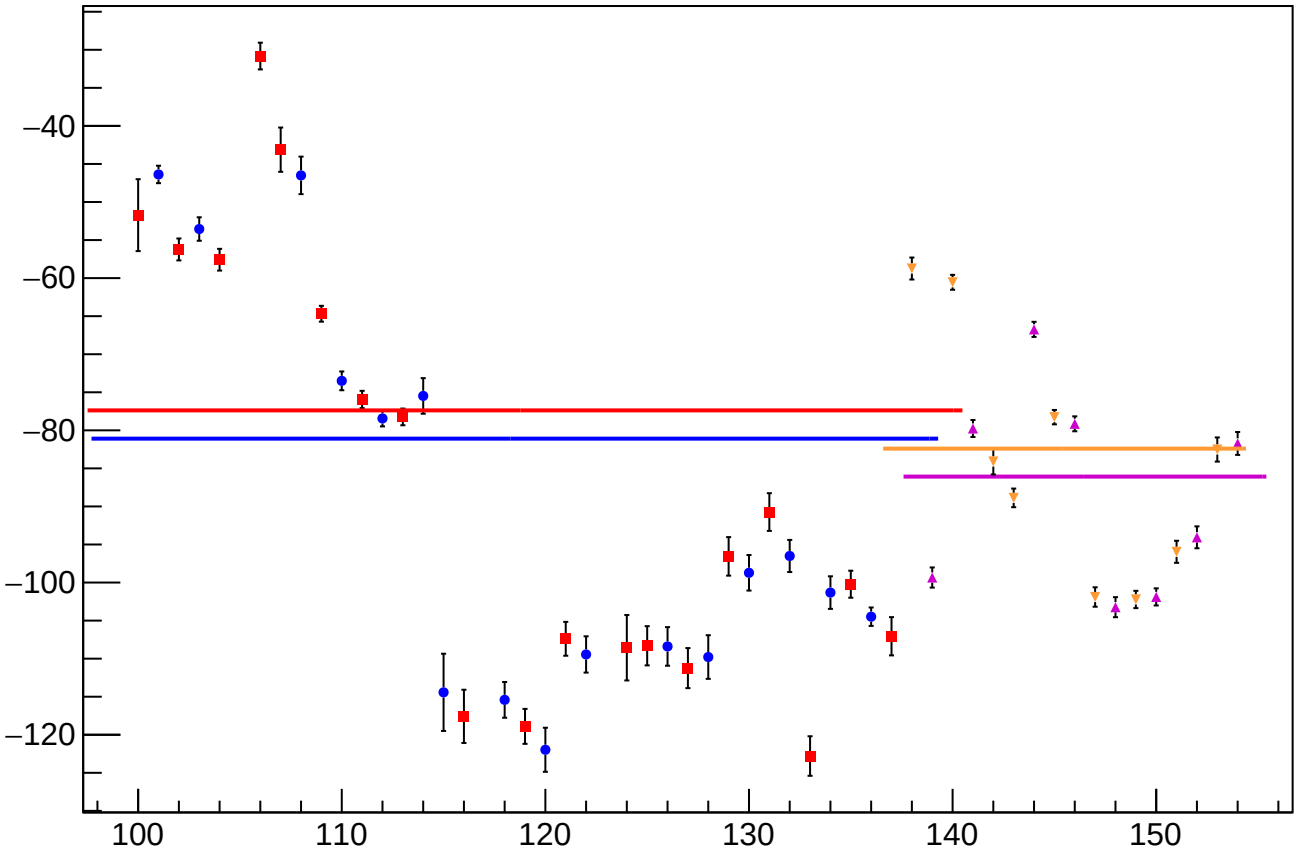
Left: -7.876+/-0.203 χ^2/NDF: 2999.1/16

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.466+/-0.240 χ^2/NDF:3349.5/23

Out: -6.586+/-0.236 χ^2/NDF:3358.5/27

All: -7.018+/-0.168 χ^2/NDF: 6714.9/51



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: -86.079+/-0.418 χ^2/NDF:968.0/7

Left: -84.210+/-0.293 χ^2/NDF: 2444.8/16

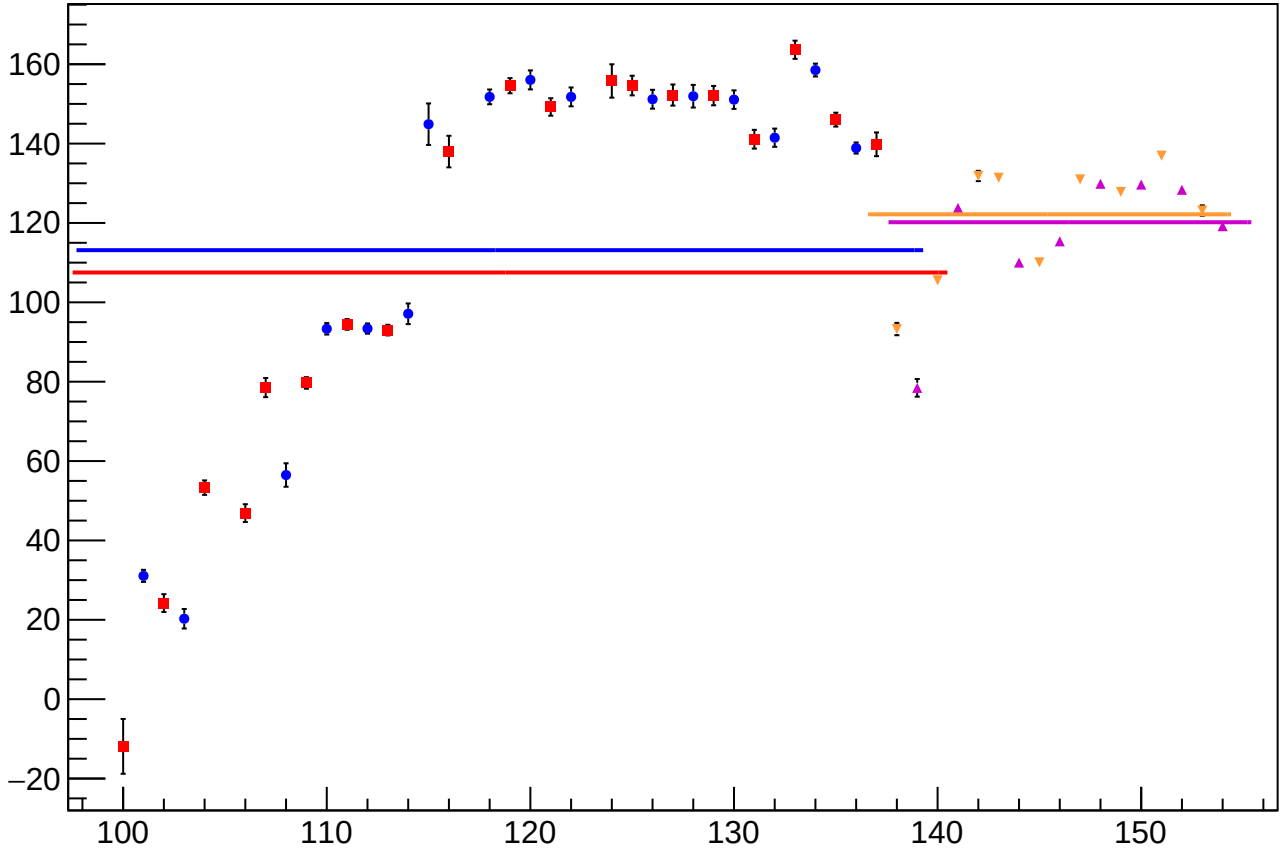
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -83.702+/-0.303 χ^2/NDF:3906.0/23

Out: -79.924+/-0.293 χ^2/NDF:4640.8/27

All: -81.751+/-0.210 χ^2/NDF: 8627.3/51

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.175+/-0.347 χ^2/NDF:1312.0/8

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 120.182+/-0.351 χ^2/NDF:812.5/7

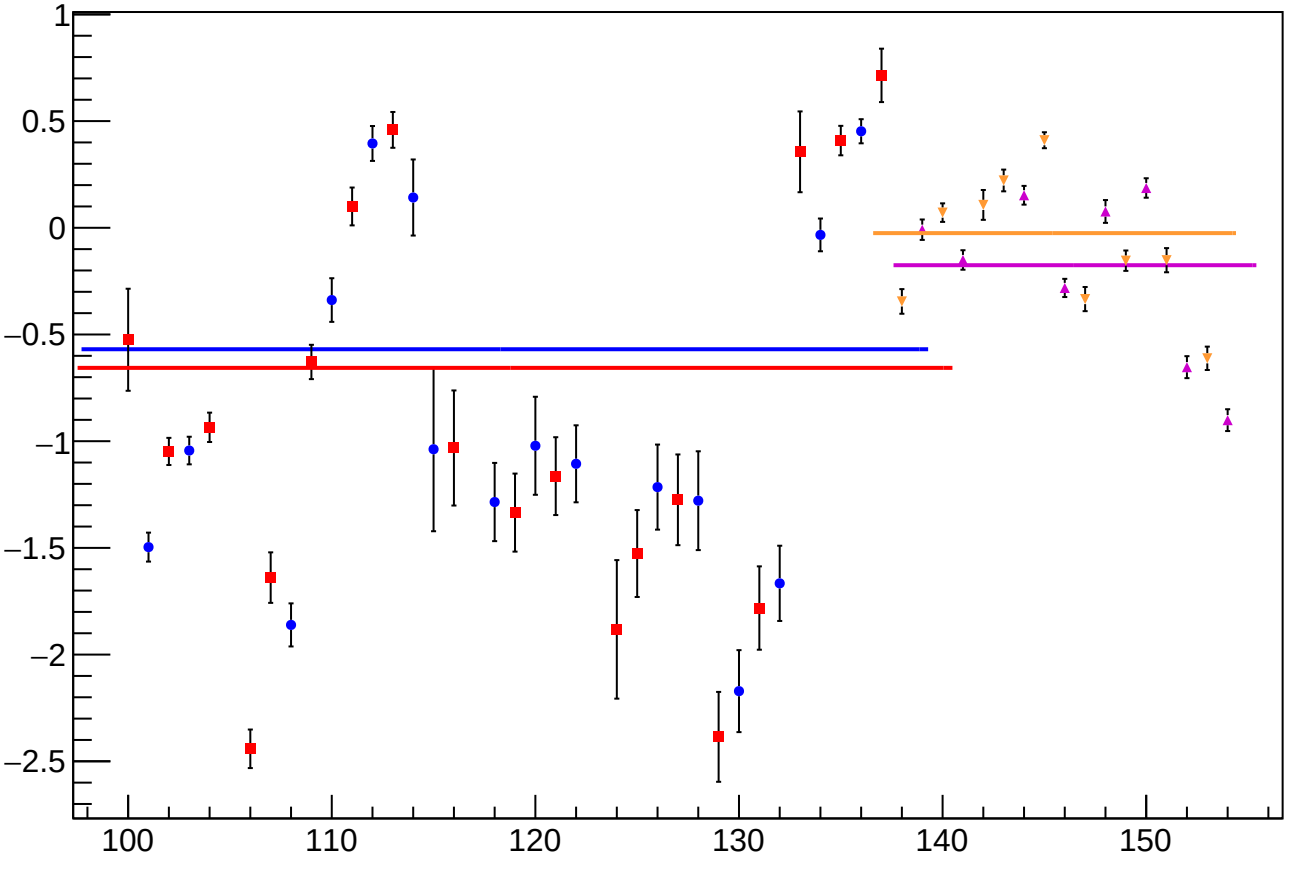
Left: 121.192+/-0.247 χ^2/NDF: 2140.9/16

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 117.788+/-0.285 χ^2/NDF:9153.4/23

Out: 117.144+/-0.281 χ^2/NDF:9470.4/27

All: 117.461+/-0.200 χ^2/NDF: 18626.3/51



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: -0.175+/-0.017 χ^2/NDF:447.3/7

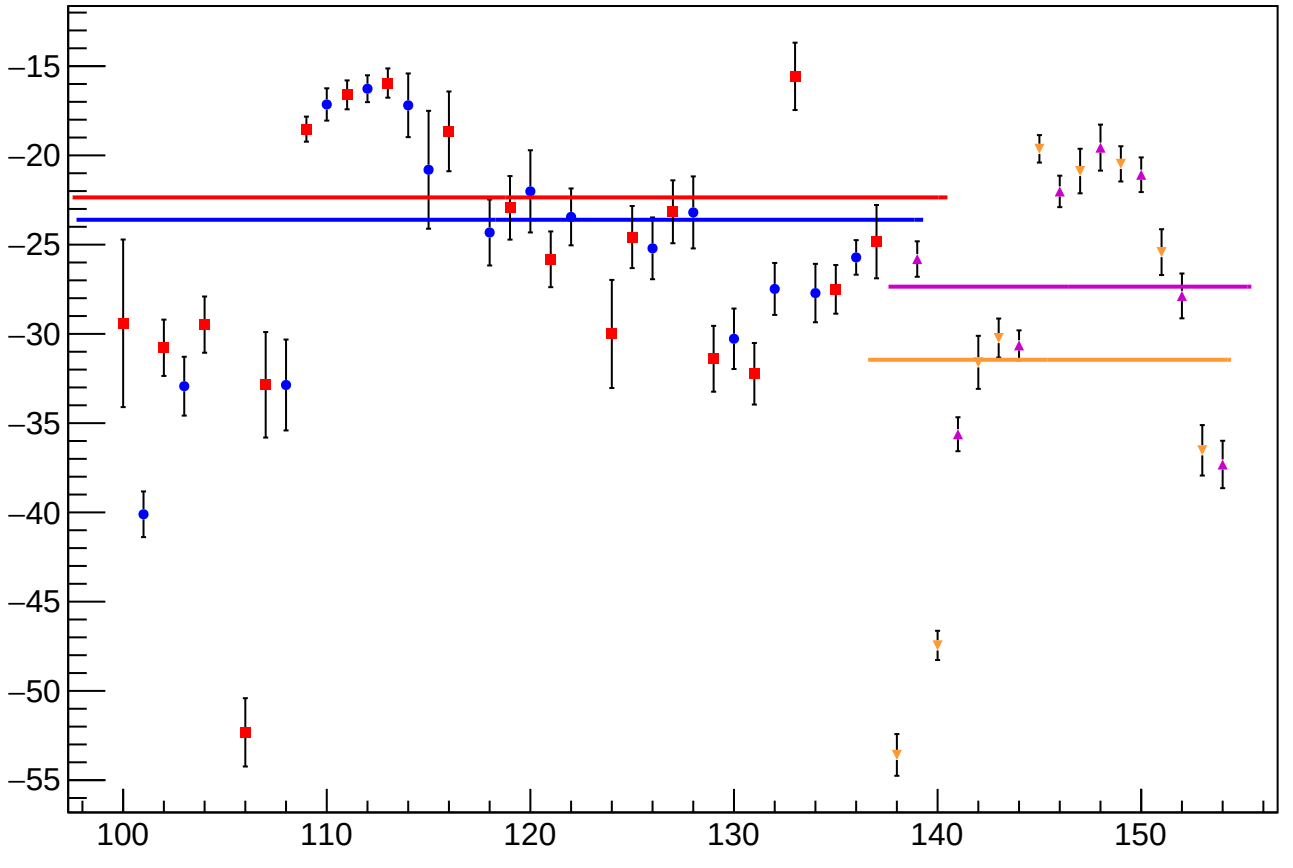
Left: -0.101+/-0.012 χ^2/NDF: 842.6/16

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.292+/-0.014 χ^2/NDF:1708.9/23

Out: -0.220+/-0.014 χ^2/NDF:2104.2/27

All: -0.256+/-0.010 χ^2/NDF: 3826.4/51



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: -27.354+/-0.361 χ^2/NDF:264.7/7

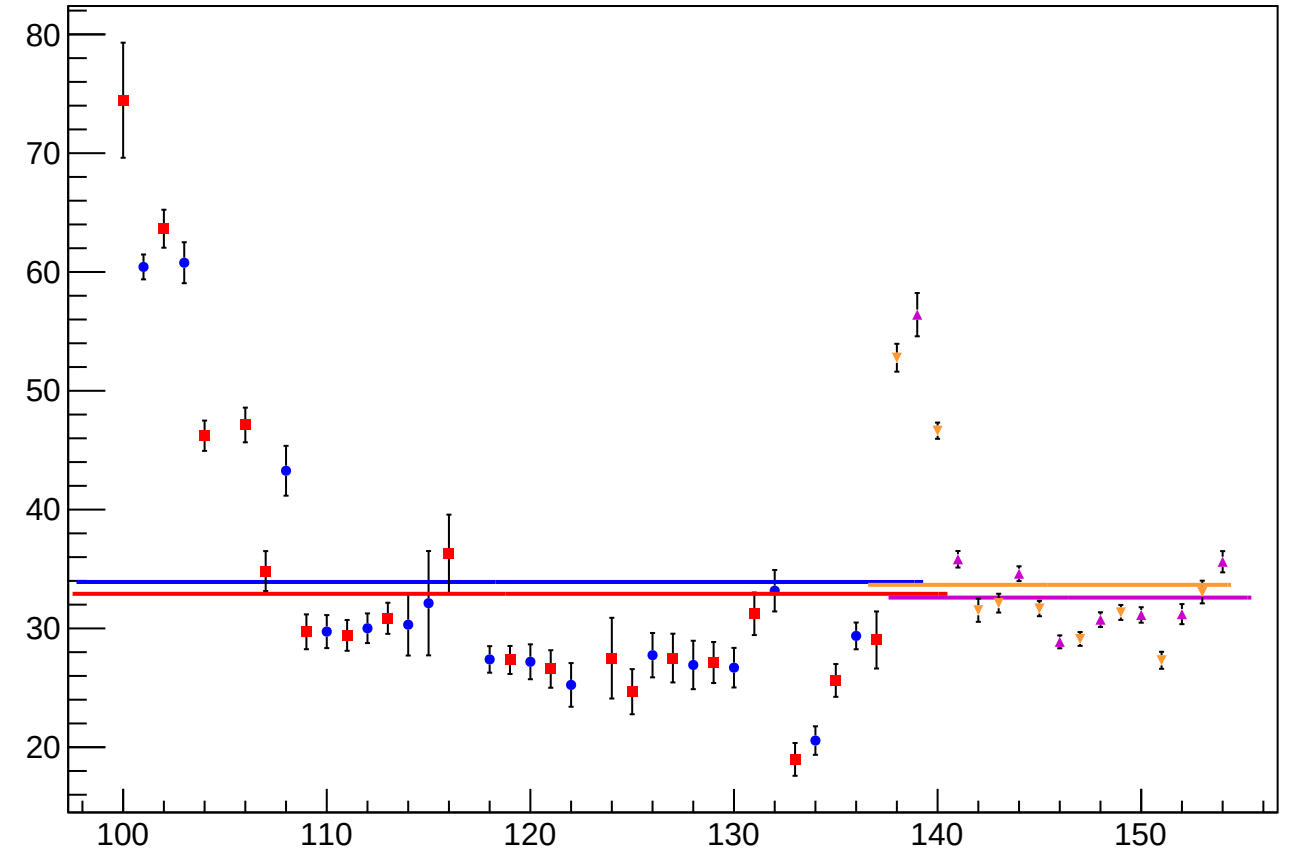
Left: -29.438+/-0.253 χ^2/NDF: 1537.1/16

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.415+/-0.251 χ^2/NDF:727.0/23

Out: -26.466+/-0.238 χ^2/NDF:2119.7/27

All: -25.967+/-0.173 χ^2/NDF: 2855.9/51



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: 32.593+/-0.251 χ^2/NDF:277.7/7

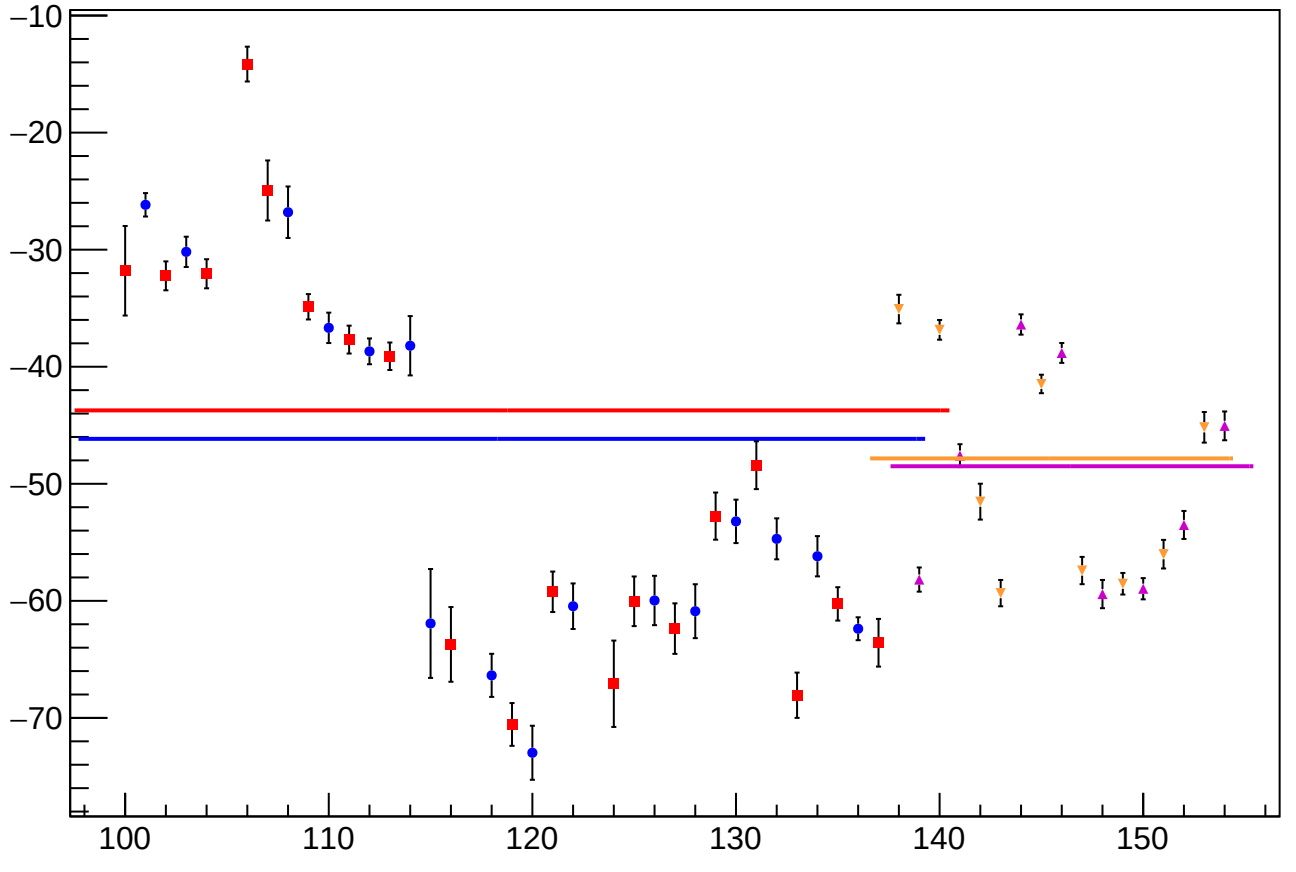
Left: 33.138+/-0.176 χ^2/NDF: 1085.9/16

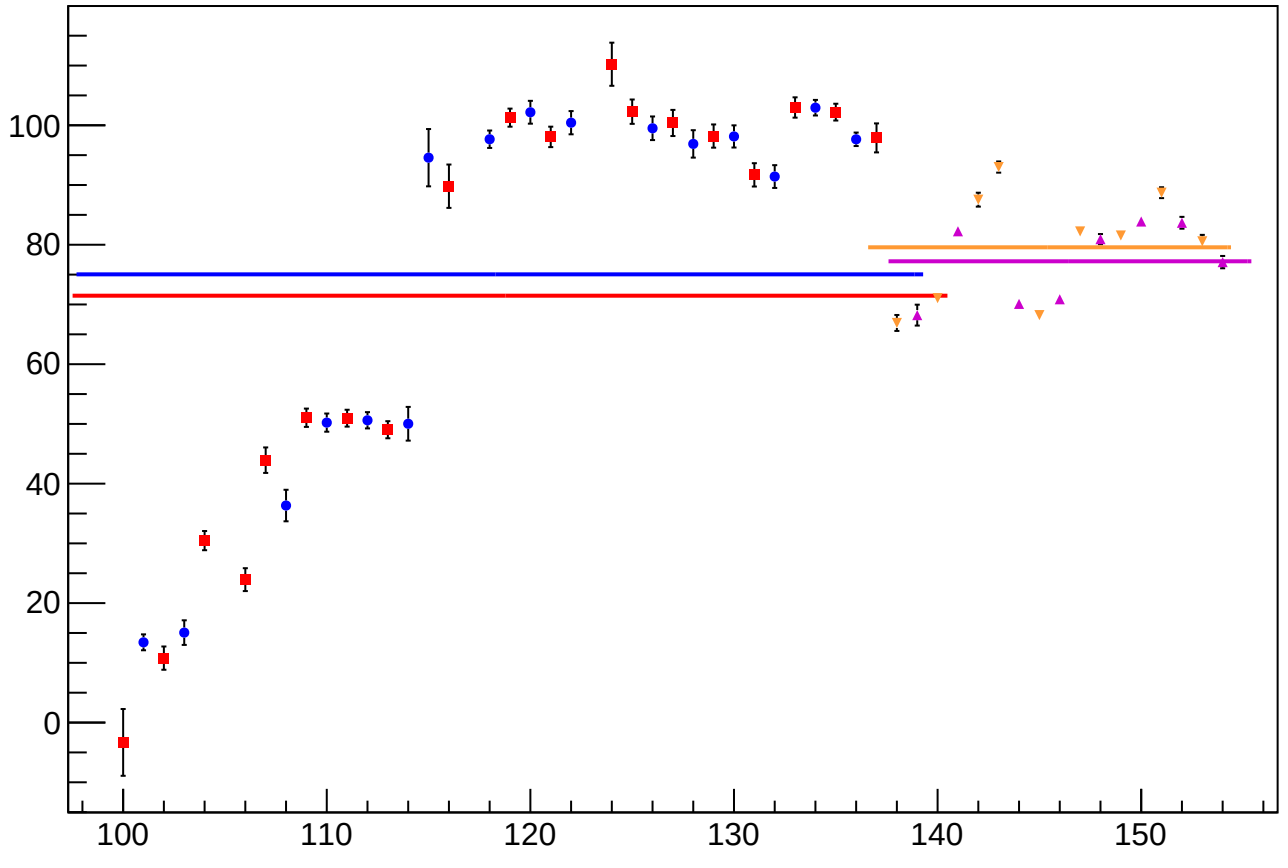
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.999+/-0.208 χ^2/NDF:1470.6/23

Out: 33.437+/-0.206 χ^2/NDF:1676.7/27

All: 33.221+/-0.146 χ^2/NDF: 3149.6/51


reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
Right In: -46.160+/-0.390 χ²/NDF: 1489.6/15
Left Out: -47.832+/-0.352 χ²/NDF:705.9/8
Right Out: -43.730+/-0.378 χ²/NDF: 1663.4/18
Left In: -48.501+/-0.354 χ²/NDF:654.9/7
Left: -48.165+/-0.250 χ²/NDF: 1362.6/16
Right: -44.909+/-0.271 χ²/NDF: 3173.0/34
In: -47.443+/-0.262 χ²/NDF:2164.3/23
Out: -45.929+/-0.258 χ²/NDF:2432.3/27
All: -46.673+/-0.184 χ²/NDF: 4613.5/51



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: 77.228+/-0.302 χ^2/NDF:388.6/7

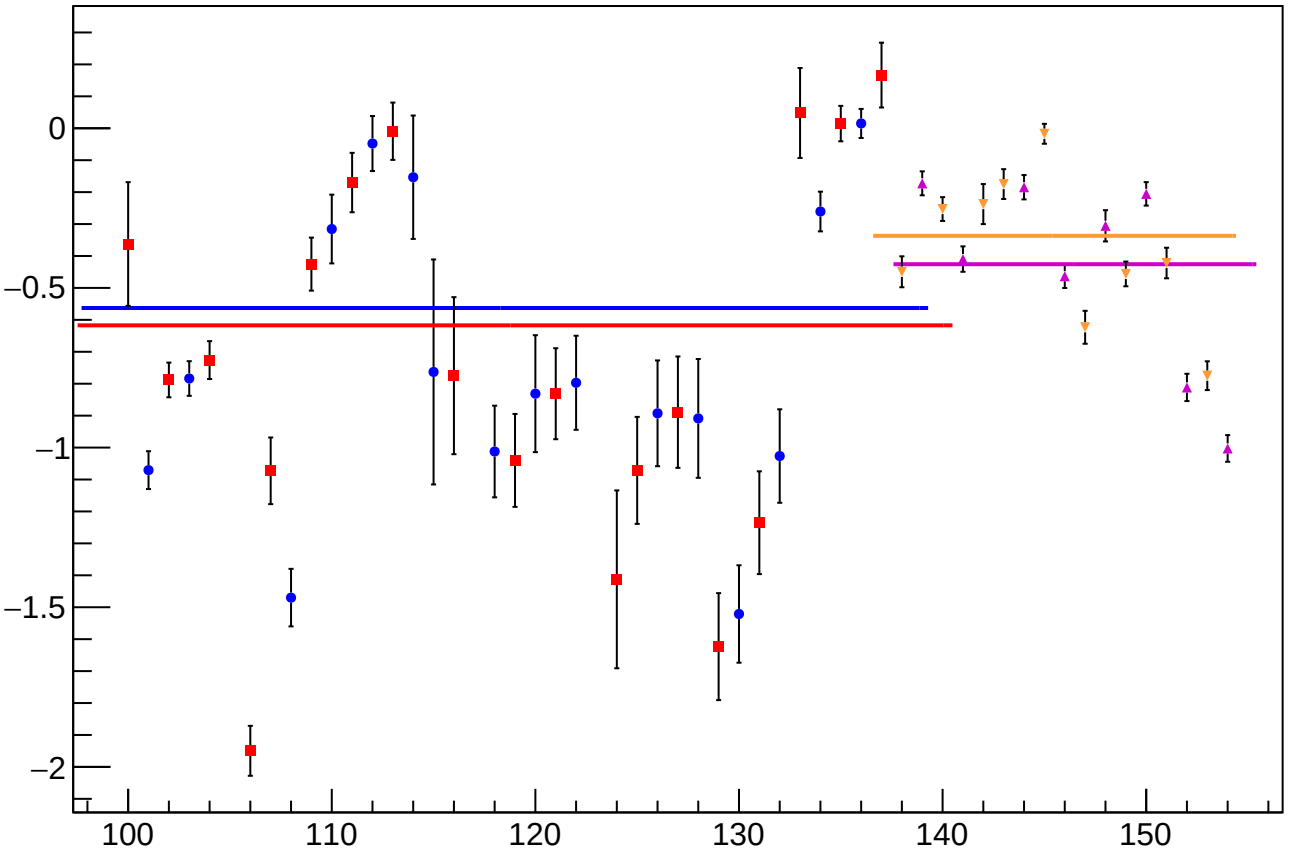
Left: 78.409+/-0.212 χ^2/NDF: 1226.7/16

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 76.501+/-0.246 χ^2/NDF:6234.3/23

Out: 76.890+/-0.245 χ^2/NDF:6678.4/27

All: 76.697+/-0.174 χ^2/NDF: 12914.0/51



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: -0.426+/-0.014 χ^2/NDF:401.2/7

Left: -0.382+/-0.010 χ^2/NDF: 688.6/16

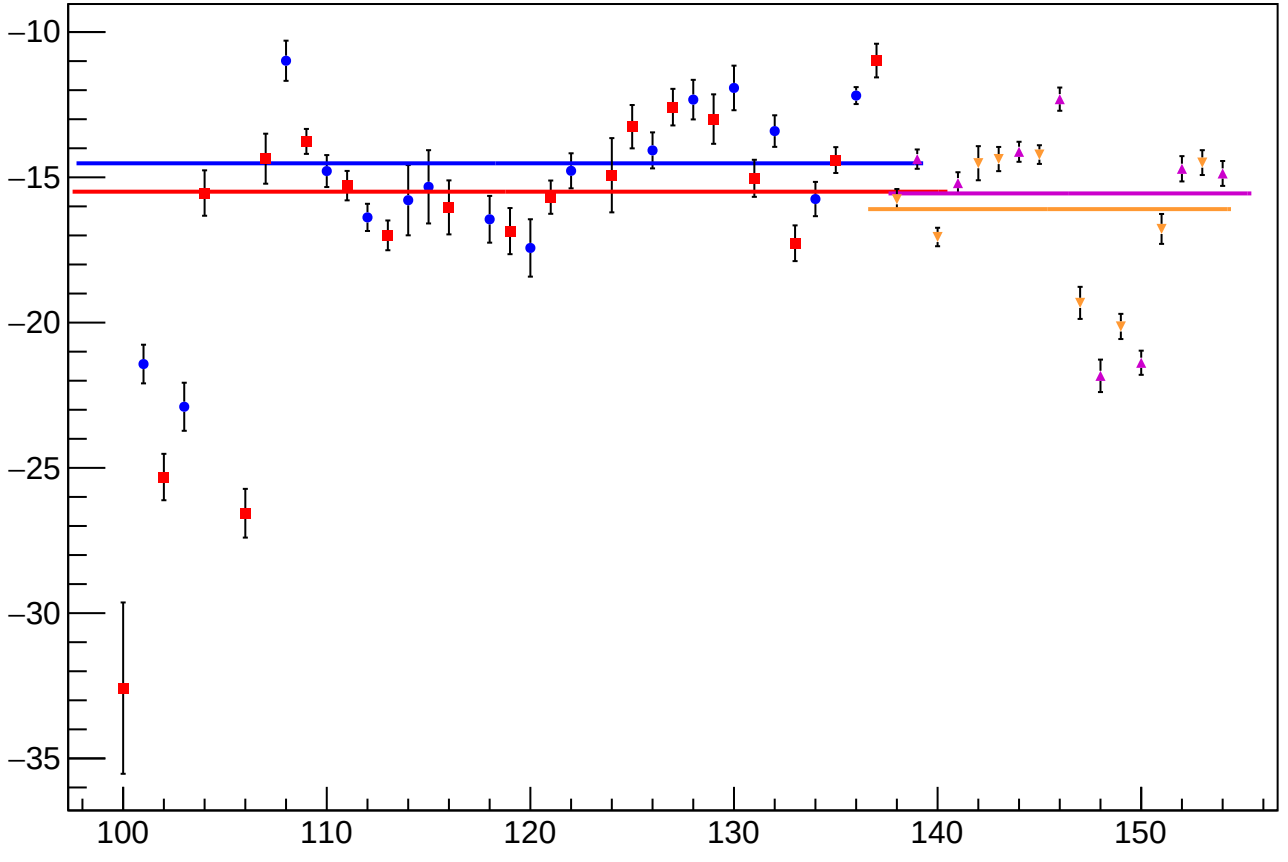
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.465+/-0.012 χ^2/NDF:921.4/23

Out: -0.419+/-0.012 χ^2/NDF:1070.5/27

All: -0.443+/-0.008 χ^2/NDF: 1999.1/51

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: -15.554+/-0.141 χ^2/NDF:425.6/7

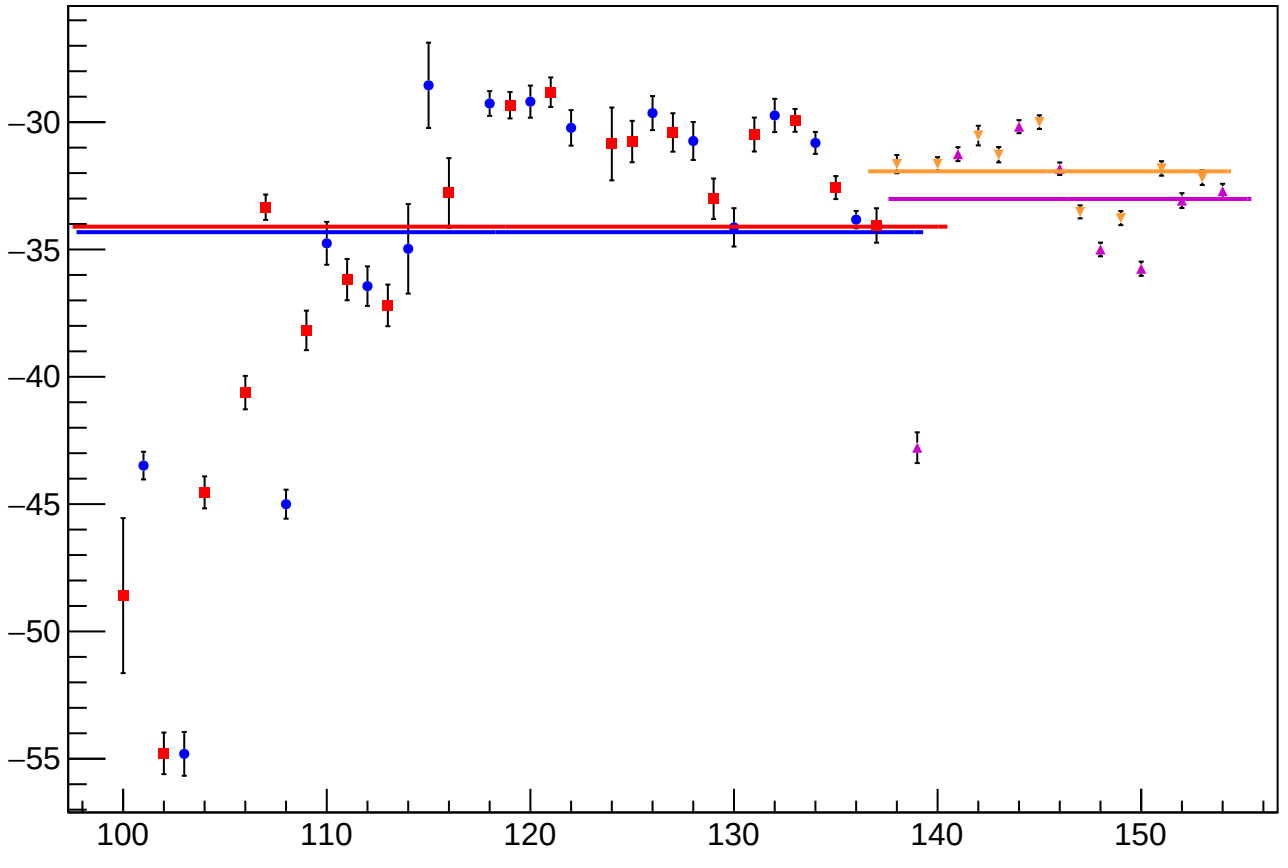
Left: -15.833+/-0.098 χ^2/NDF: 638.5/16

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

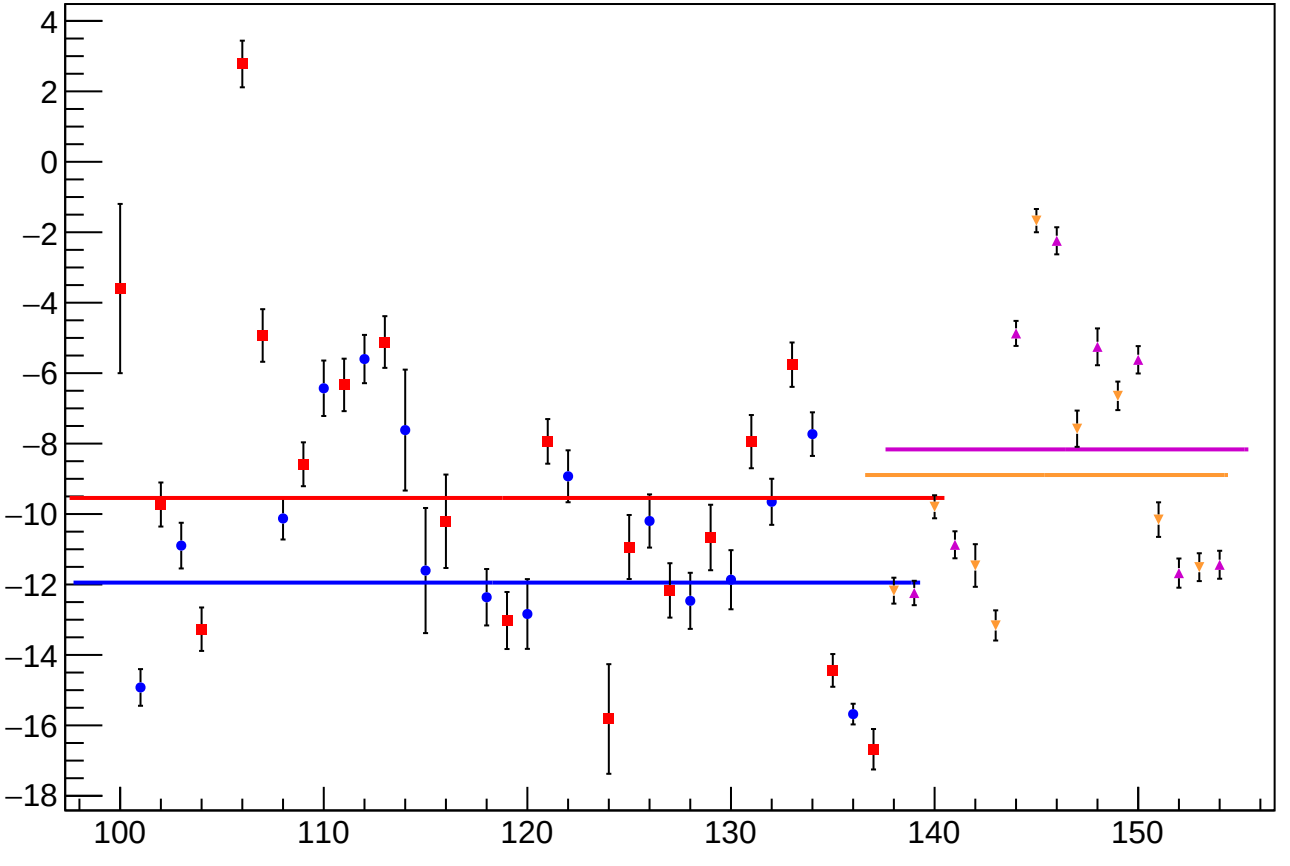
In: -15.067+/-0.102 χ^2/NDF:814.4/23

Out: -15.823+/-0.101 χ^2/NDF:718.0/27

All: -15.452+/-0.072 χ^2/NDF: 1560.1/51


reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−30
−35
−40
−45
−50
−55
100
110
120
130
140
150
Right In: -34.321+/-0.153 χ²/NDF: 1620.5/15
Left Out: -31.931+/-0.097 χ²/NDF:154.4/8
Right Out: -34.104+/-0.154 χ²/NDF: 1434.8/18
Left In: -33.017+/-0.101 χ²/NDF:600.7/7
Left: -32.453+/-0.070 χ²/NDF: 815.2/16
Right: -34.213+/-0.109 χ²/NDF: 3056.3/34
In: -33.411+/-0.084 χ²/NDF:2271.8/23
Out: -32.549+/-0.082 χ²/NDF:1731.4/27
All: -32.969+/-0.059 χ²/NDF: 4056.7/51

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: -8.165+/-0.138 χ^2/NDF:725.1/7

Left: -8.536+/-0.097 χ^2/NDF: 1510.5/16

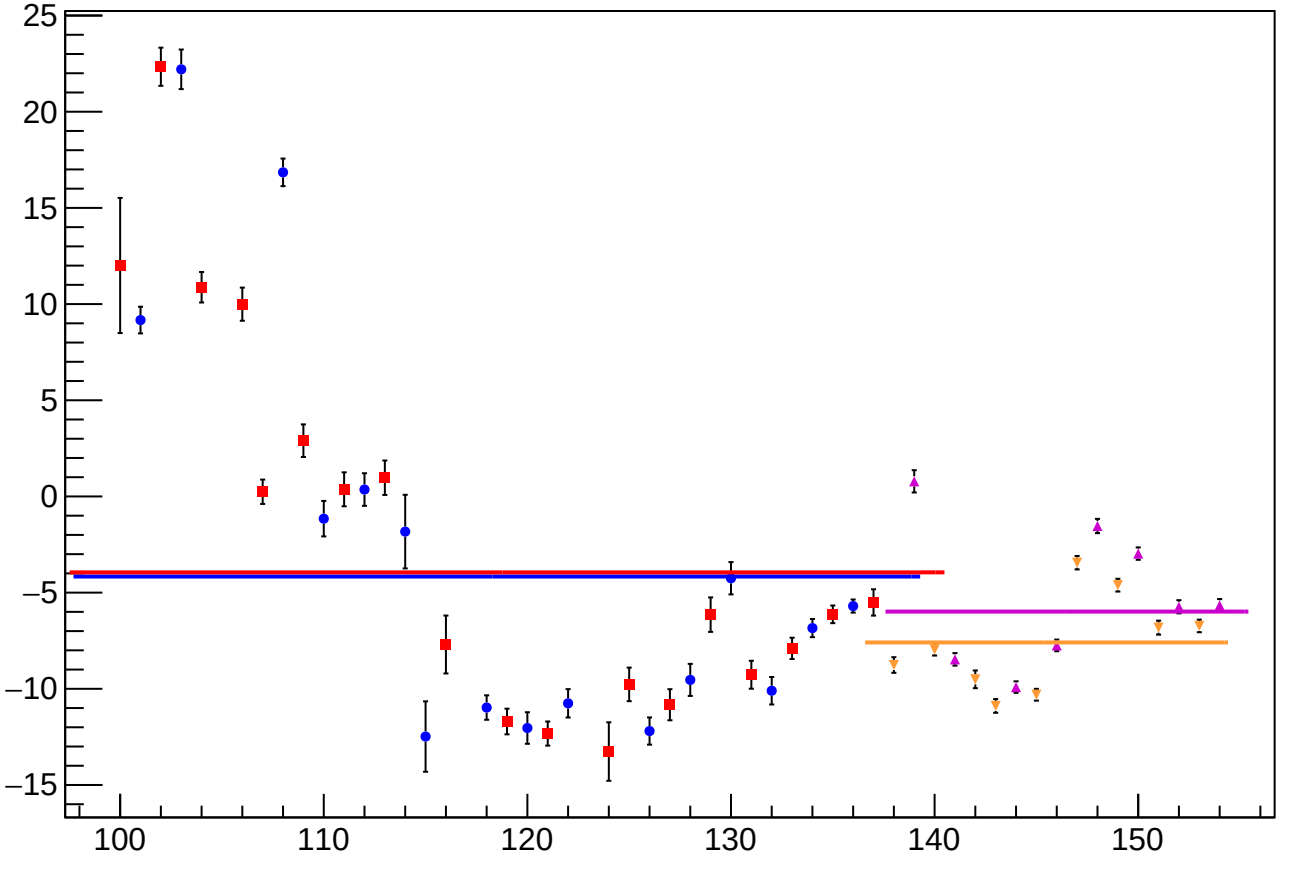
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.781+/-0.105 χ^2/NDF:1474.5/23

Out: -9.154+/-0.105 χ^2/NDF:1627.7/27

All: -9.468+/-0.074 χ^2/NDF: 3120.1/51

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: -5.986+/-0.121 χ^2/NDF:633.2/7

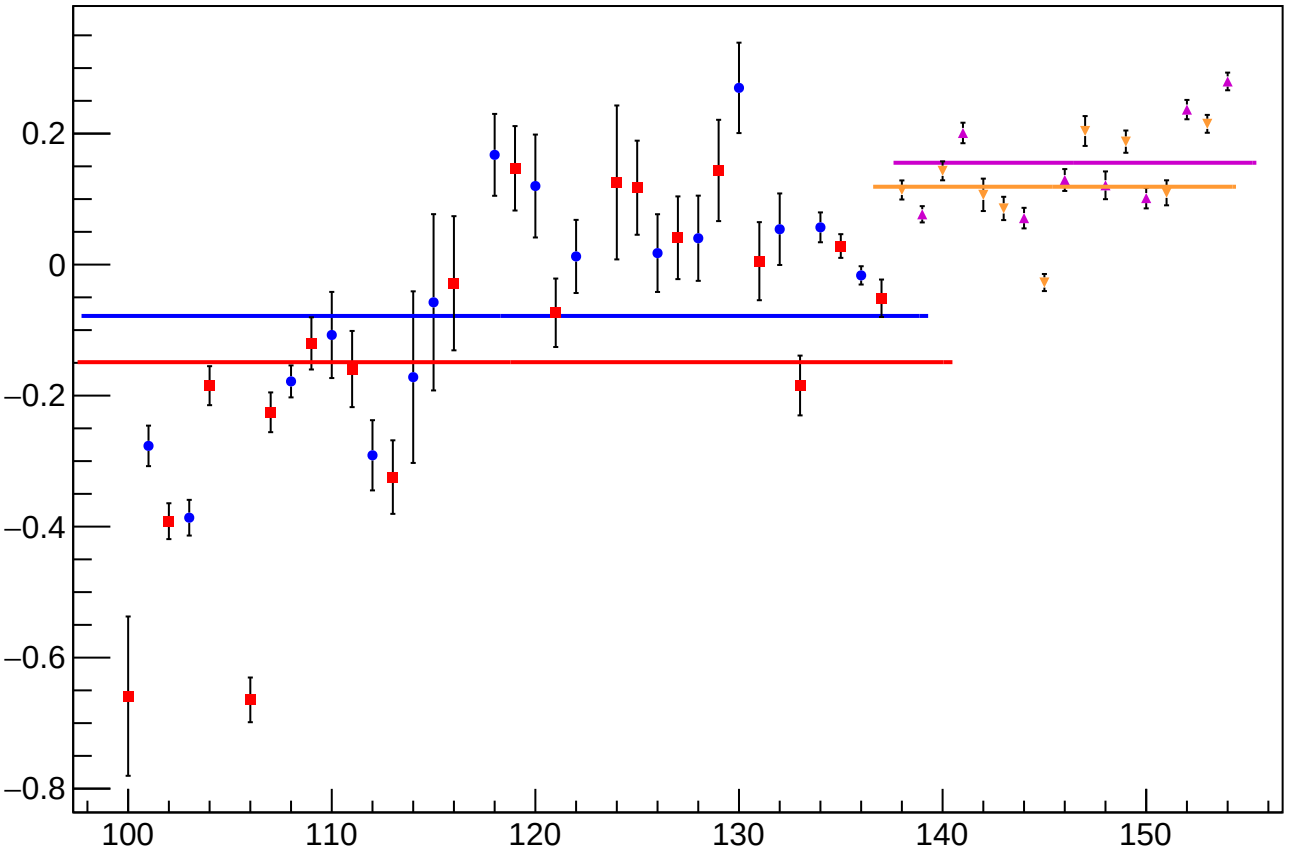
Left: -6.812+/-0.084 χ^2/NDF: 1147.0/16

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -5.385+/-0.099 χ^2/NDF:3233.6/23

Out: -6.475+/-0.097 χ^2/NDF:2830.0/27

All: -5.937+/-0.069 χ^2/NDF: 6125.4/51



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: 0.155+/-0.005 χ^2/NDF:209.4/7

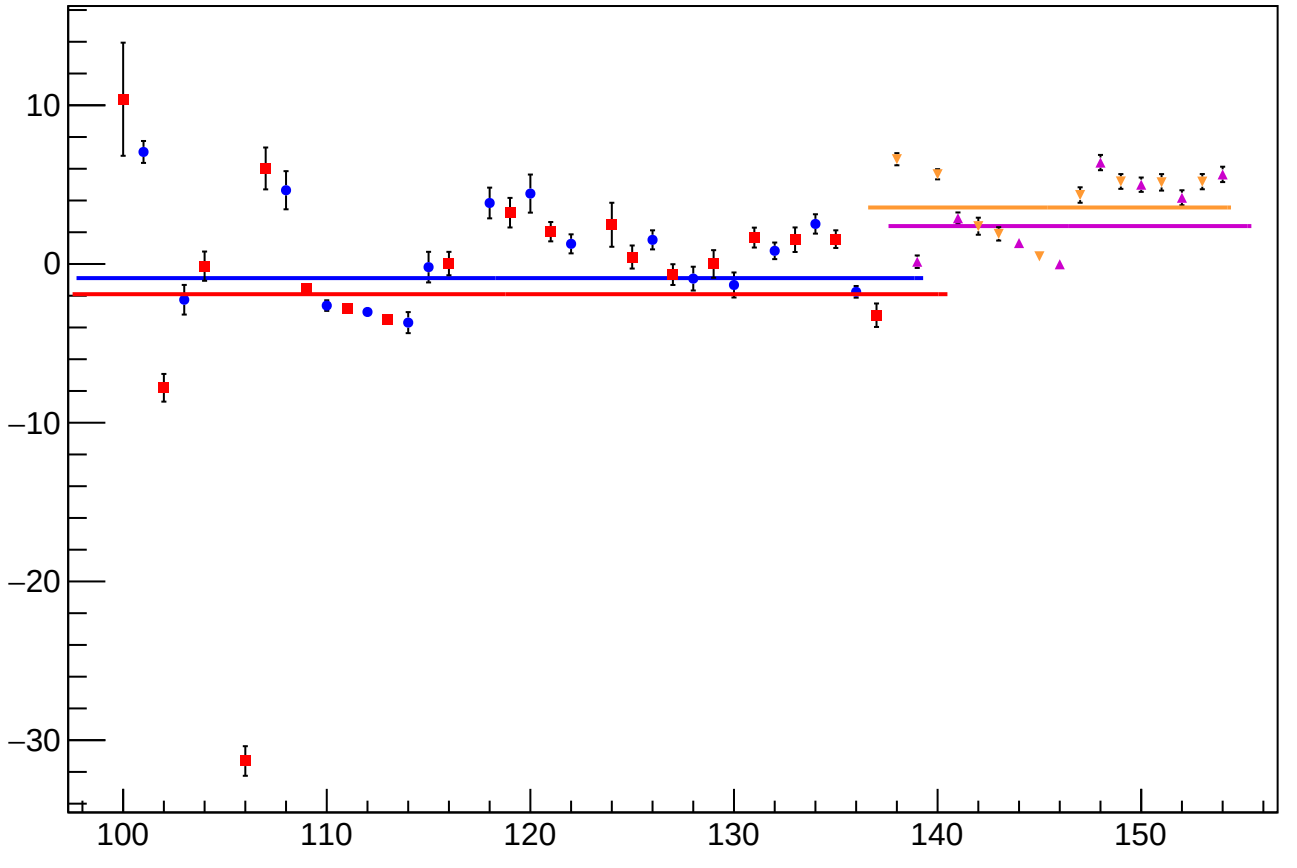
Left: 0.137+/-0.004 χ^2/NDF: 444.7/16

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.089+/-0.005 χ^2/NDF:1062.2/23

Out: 0.048+/-0.005 χ^2/NDF:1377.6/27

All: 0.069+/-0.003 χ^2/NDF: 2480.2/51



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: 2.389+/-0.133 χ^2/NDF:275.5/7

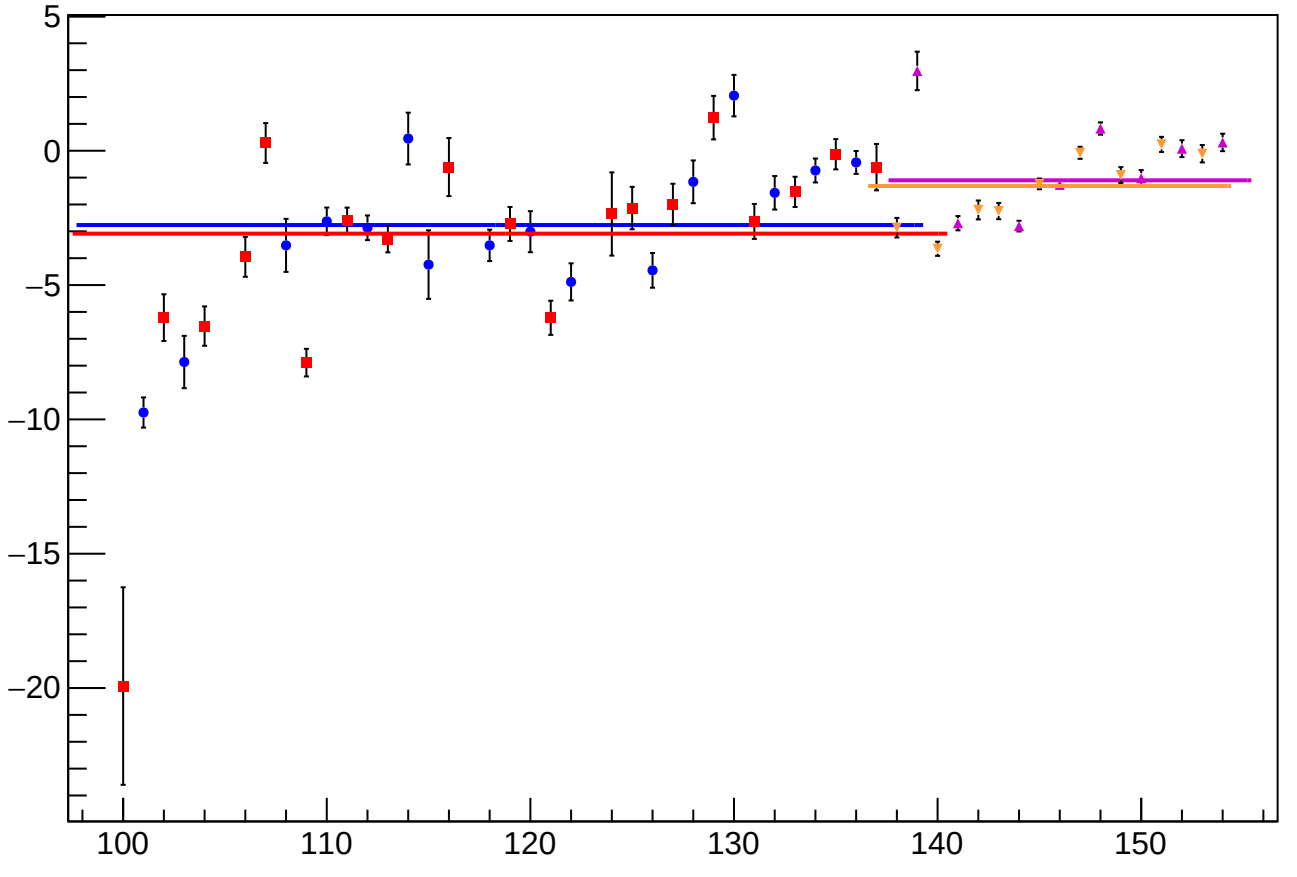
Left: 2.987+/-0.093 χ^2/NDF: 635.2/16

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 0.796+/-0.095 χ^2/NDF:951.8/23

Out: 0.794+/-0.091 χ^2/NDF:2545.9/27

All: 0.795+/-0.066 χ^2/NDF: 3497.7/51



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: -1.101+/-0.090 χ^2/NDF:247.0/7

Left: -1.206+/-0.064 χ^2/NDF: 438.4/16

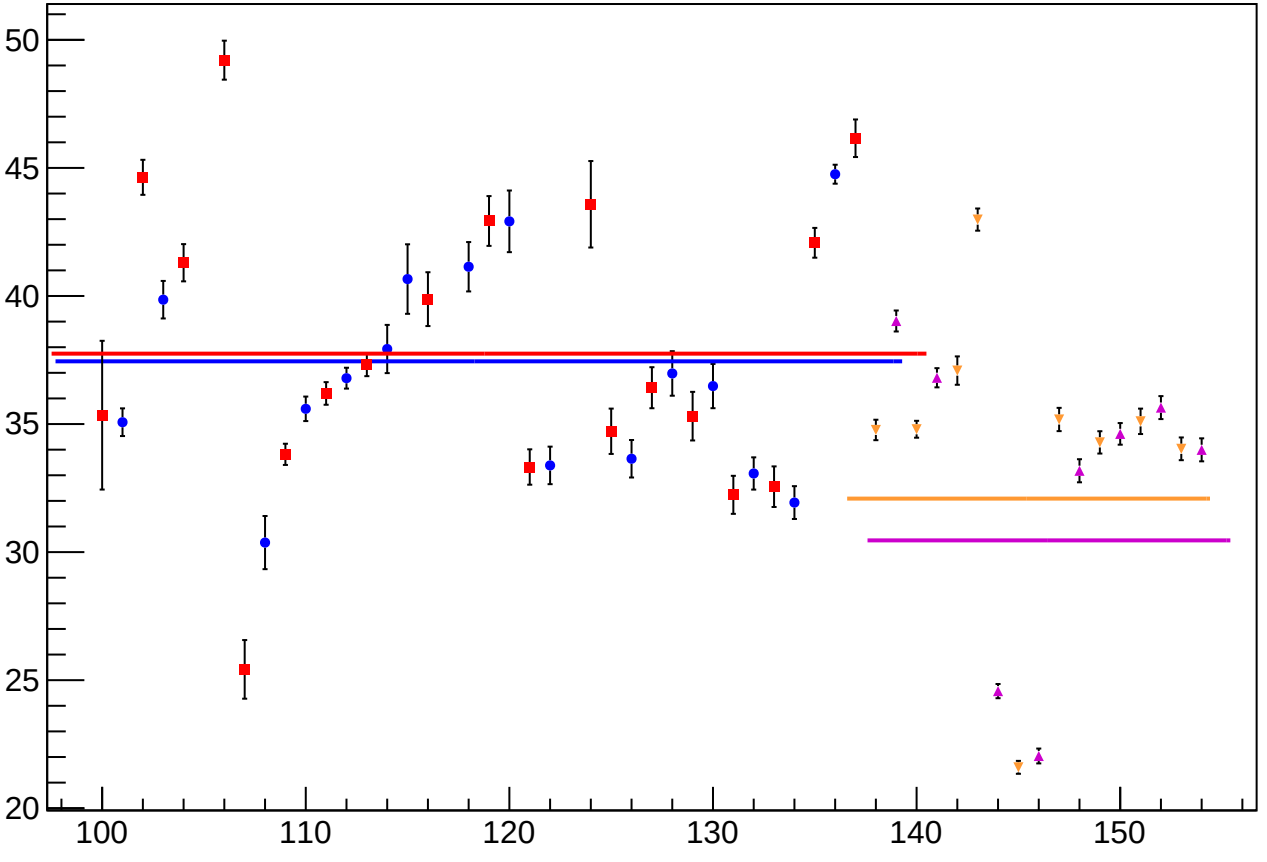
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.517+/-0.078 χ^2/NDF:642.2/23

Out: -1.761+/-0.079 χ^2/NDF:555.7/27

All: -1.638+/-0.056 χ^2/NDF: 1202.7/51

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: 30.458+/-0.131 χ^2/NDF:2344.2/7

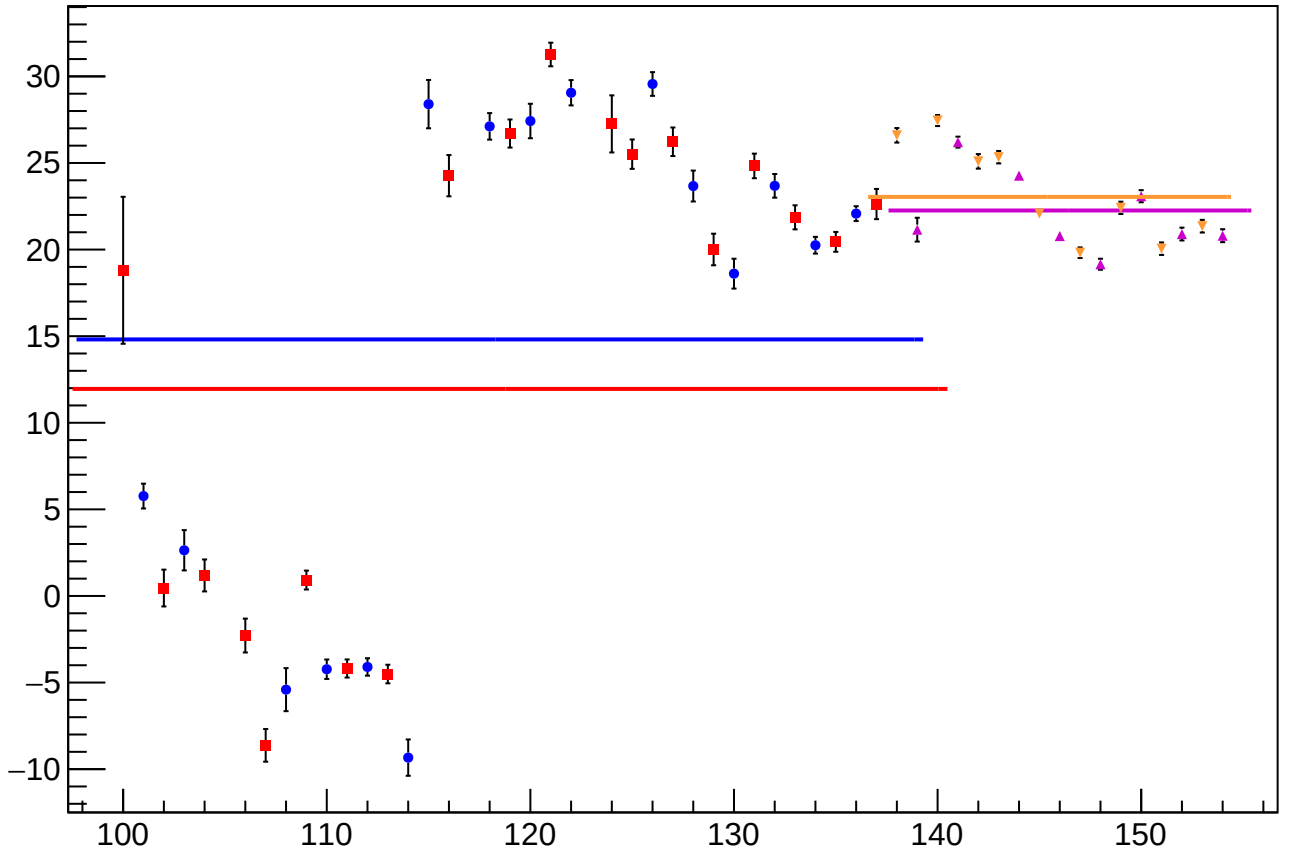
Left: 31.278+/-0.092 χ^2/NDF: 5103.9/16

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.245+/-0.101 χ^2/NDF:4188.8/23

Out: 34.354+/-0.101 χ^2/NDF:4401.3/27

All: 33.803+/-0.072 χ^2/NDF: 8650.2/51



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: 22.257+/-0.110 χ^2/NDF:406.2/7

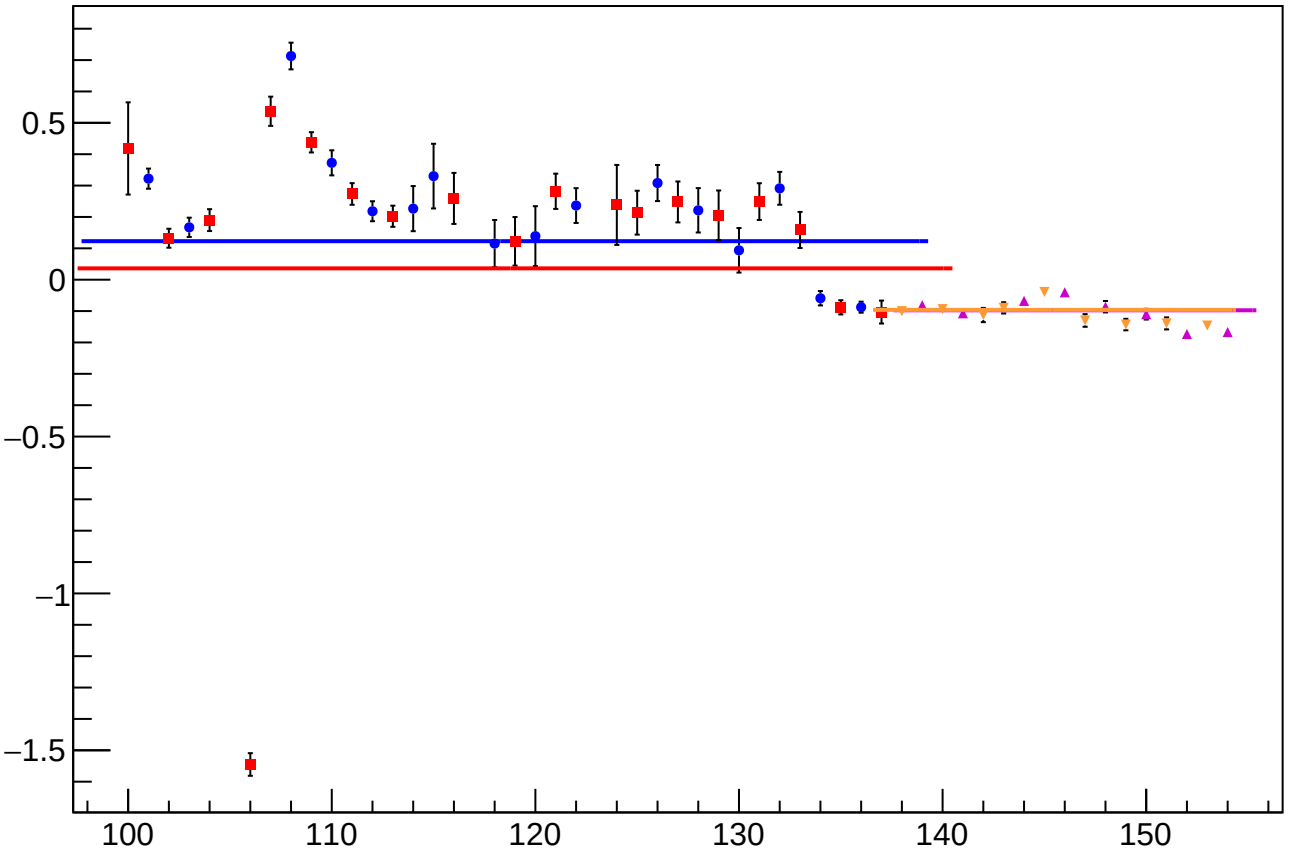
Left: 22.645+/-0.078 χ^2/NDF: 978.6/16

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 20.138+/-0.093 χ^2/NDF:7404.0/23

Out: 19.916+/-0.094 χ^2/NDF:9475.5/27

All: 20.028+/-0.066 χ^2/NDF: 16882.3/51



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: -0.098+/-0.005 χ^2/NDF:72.5/7

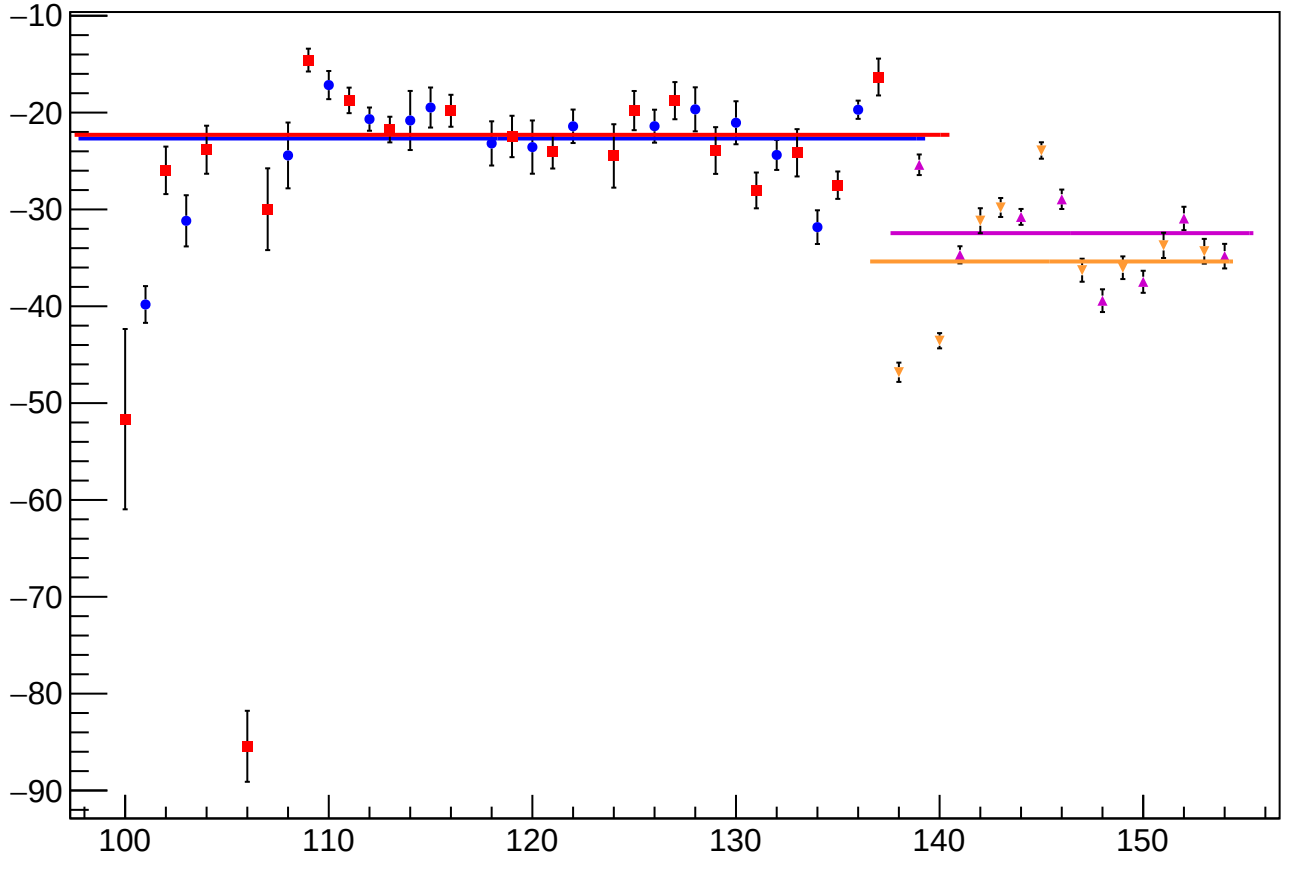
Left: -0.097+/-0.004 χ^2/NDF: 130.8/16

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.046+/-0.005 χ^2/NDF:1011.0/23

Out: -0.066+/-0.005 χ^2/NDF:2614.9/27

All: -0.056+/-0.003 χ^2/NDF: 3636.2/51



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: -32.449+/-0.367 χ^2/NDF:126.6/7

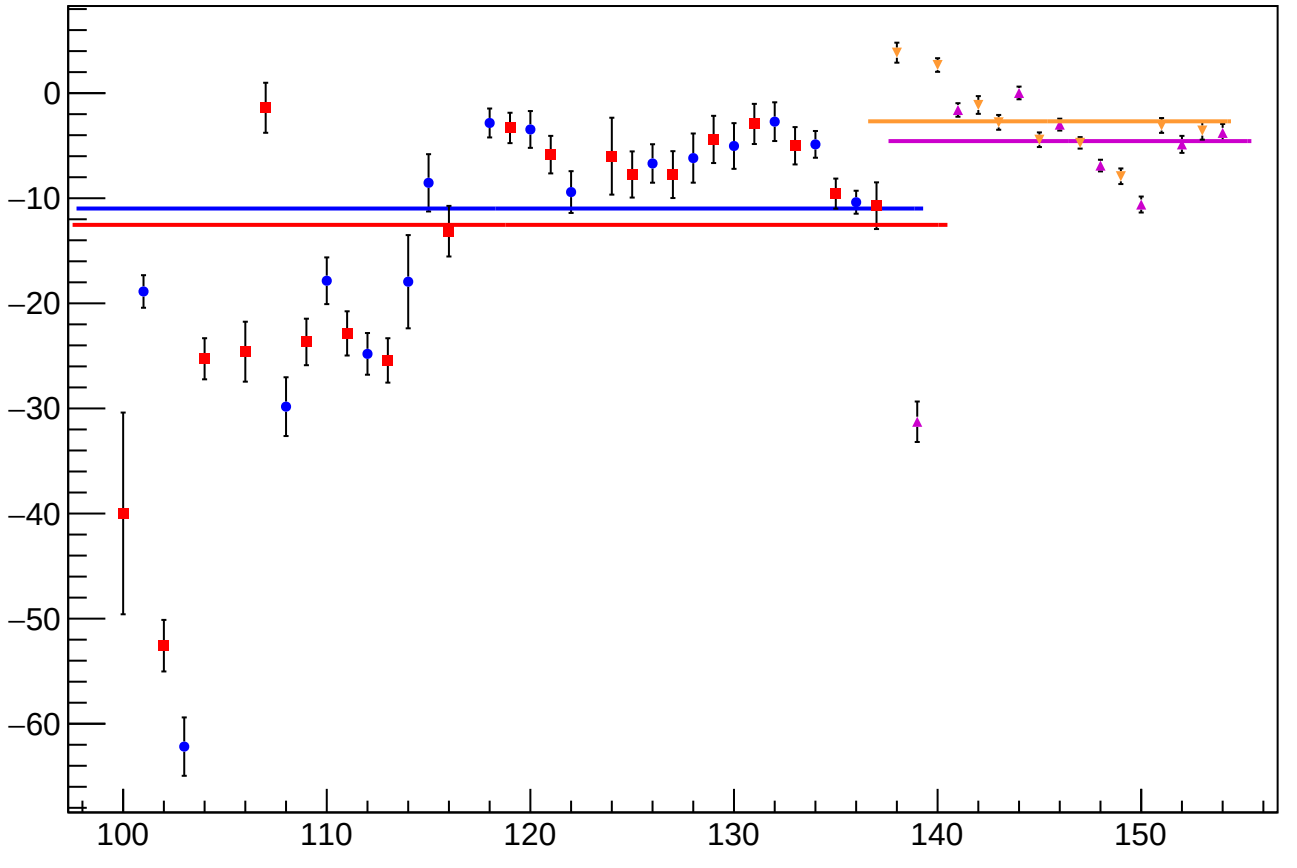
Left: -33.991+/-0.252 χ^2/NDF: 628.6/16

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -28.383+/-0.280 χ^2/NDF:576.5/23

Out: -30.285+/-0.271 χ^2/NDF:1425.8/27

All: -29.364+/-0.195 χ^2/NDF: 2026.0/51



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: -4.563+/-0.247 χ^2/NDF:360.3/7

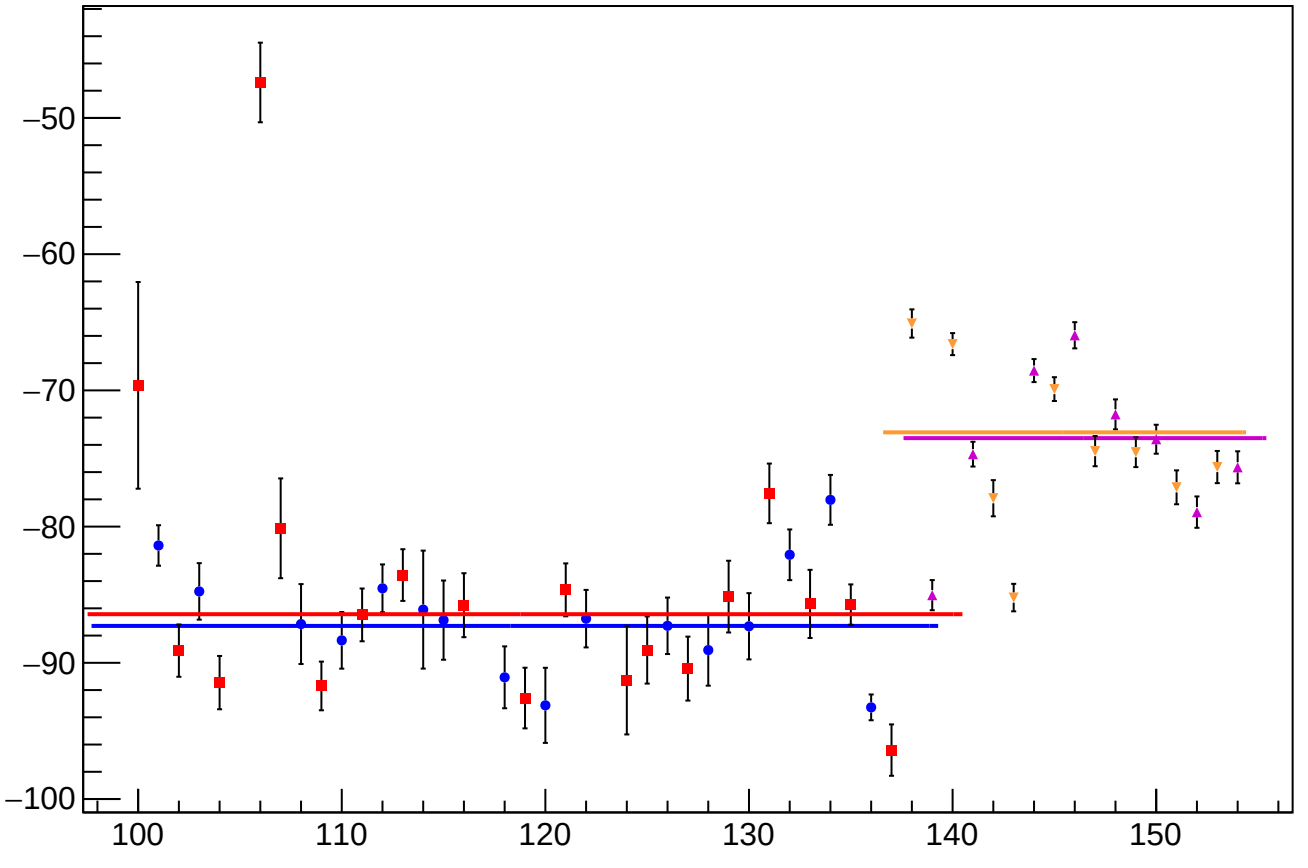
Left: -3.593+/-0.172 χ^2/NDF: 580.3/16

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

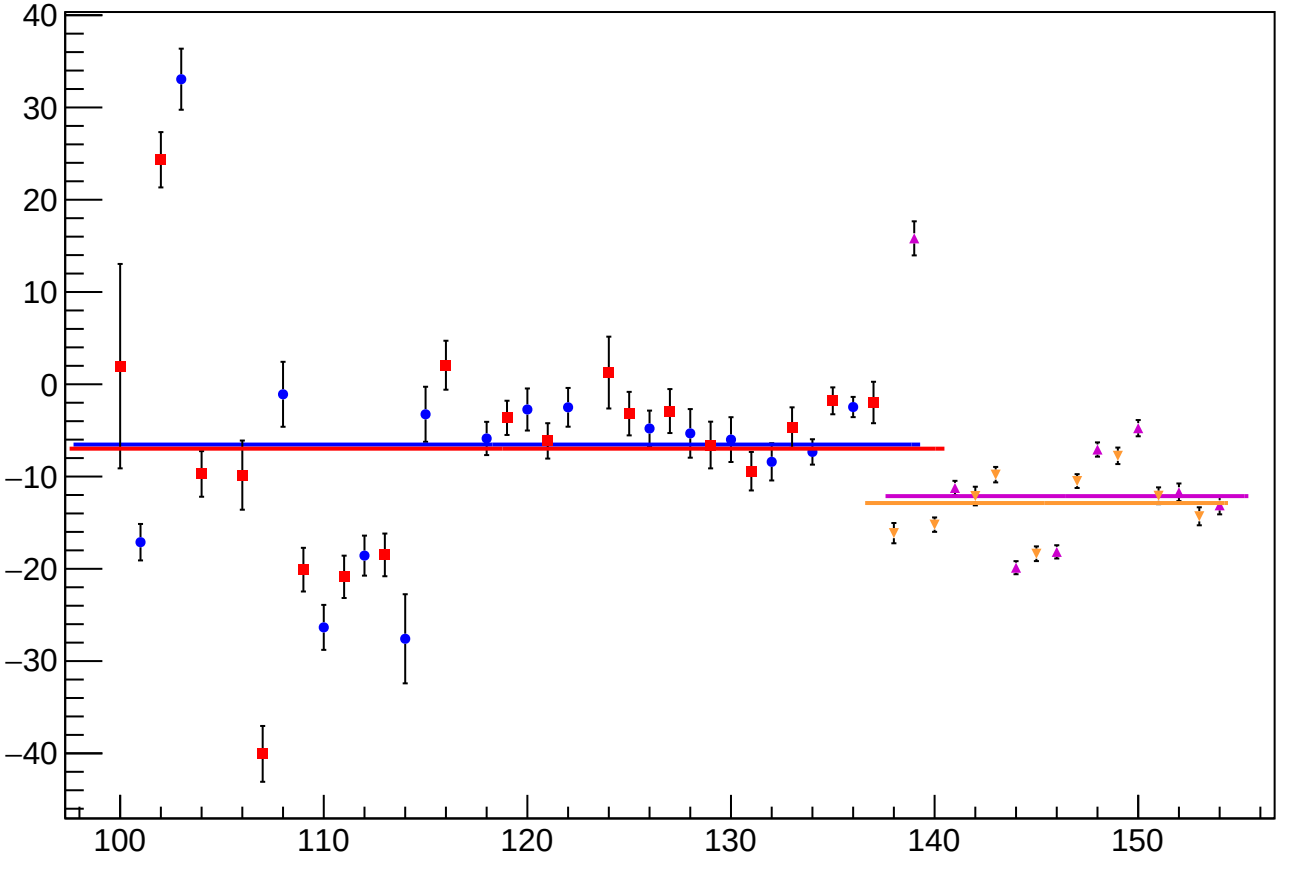
In: -6.028+/-0.217 χ^2/NDF:1102.1/23

Out: -4.633+/-0.214 χ^2/NDF:1098.6/27

All: -5.323+/-0.152 χ^2/NDF: 2221.6/51


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
Right In: -87.291+/-0.481 χ²/NDF: 101.2/15
Left Out: -73.080+/-0.347 χ²/NDF:313.0/8
Right Out: -86.431+/-0.506 χ²/NDF: 264.8/18
Left In: -73.505+/-0.361 χ²/NDF:234.2/7
Left: -73.284+/-0.250 χ²/NDF: 547.9/16
Right: -86.883+/-0.348 χ²/NDF: 367.6/34
In: -78.469+/-0.288 χ²/NDF:861.9/23
Out: -77.345+/-0.286 χ²/NDF:1051.7/27
All: -77.902+/-0.203 χ²/NDF: 1921.3/51

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: -12.121+/-0.302 χ^2/NDF:533.8/7

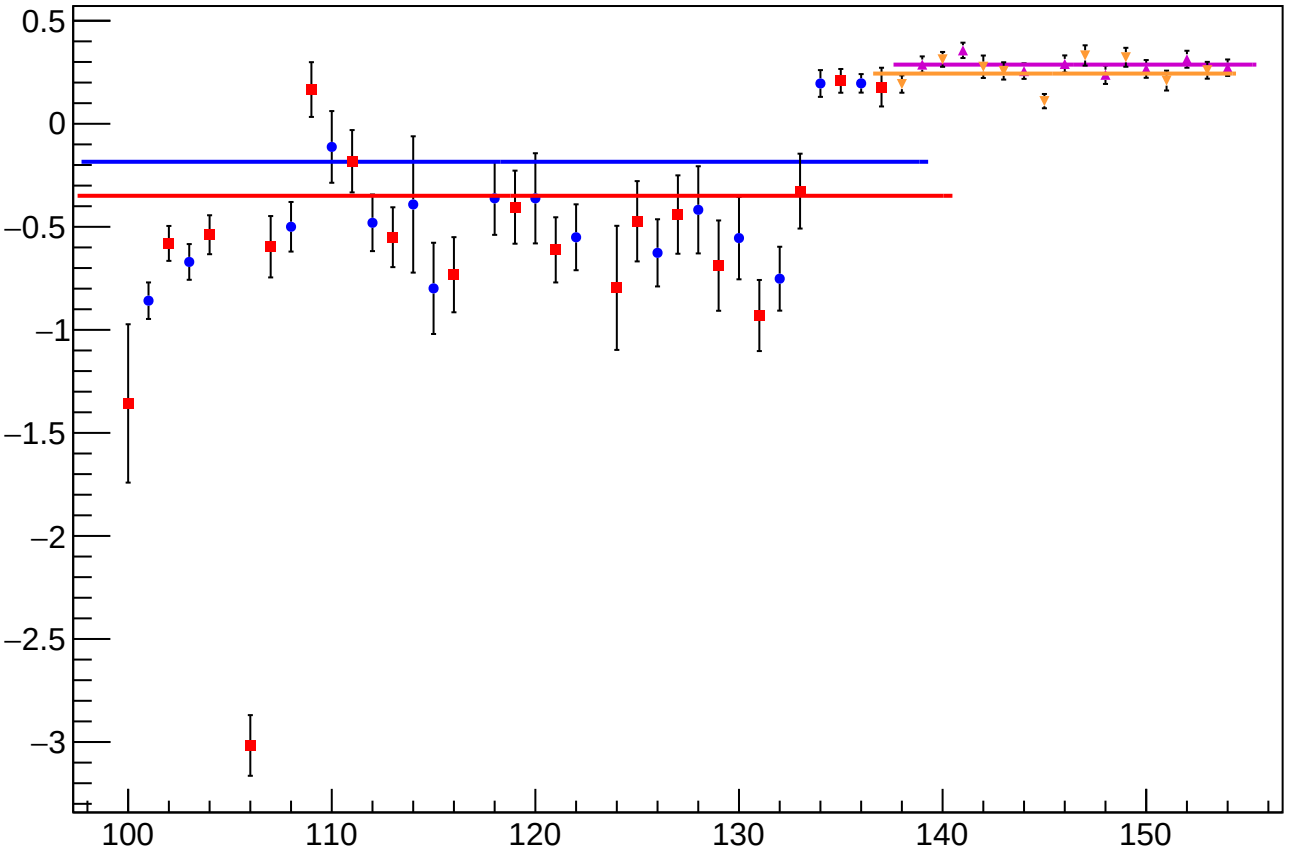
Left: -12.508+/-0.210 χ^2/NDF: 662.1/16

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -10.666+/-0.259 χ^2/NDF:937.2/23

Out: -11.544+/-0.257 χ^2/NDF:585.1/27

All: -11.109+/-0.183 χ^2/NDF: 1528.1/51



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: 0.287+/-0.014 χ^2/NDF:6.1/7

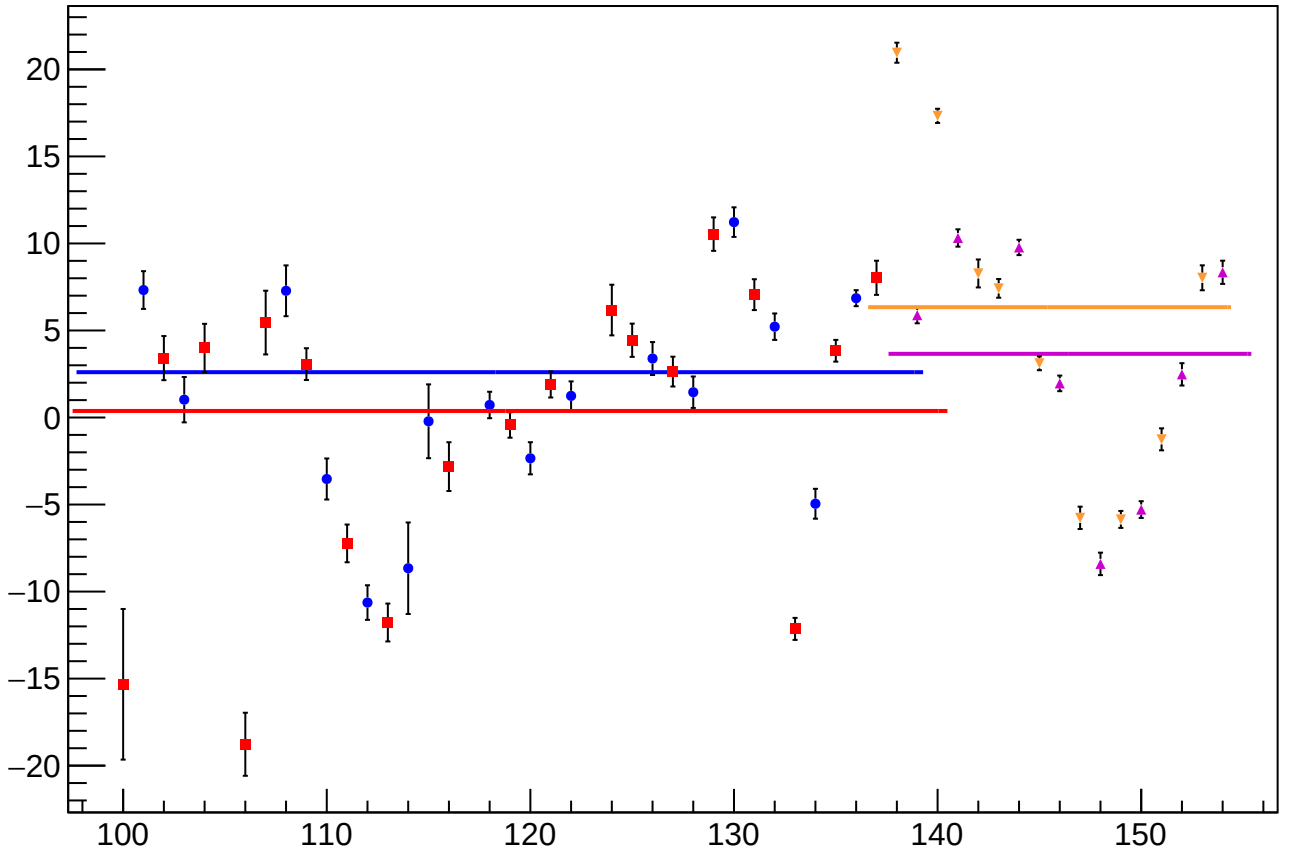
Left: 0.265+/-0.010 χ^2/NDF: 38.1/16

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.183+/-0.013 χ^2/NDF:494.9/23

Out: 0.132+/-0.013 χ^2/NDF:875.6/27

All: 0.157+/-0.009 χ^2/NDF: 1378.6/51



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: 3.659+/-0.182 χ^2/NDF:1156.2/7

Left: 5.026+/-0.127 χ^2/NDF: 3839.6/16

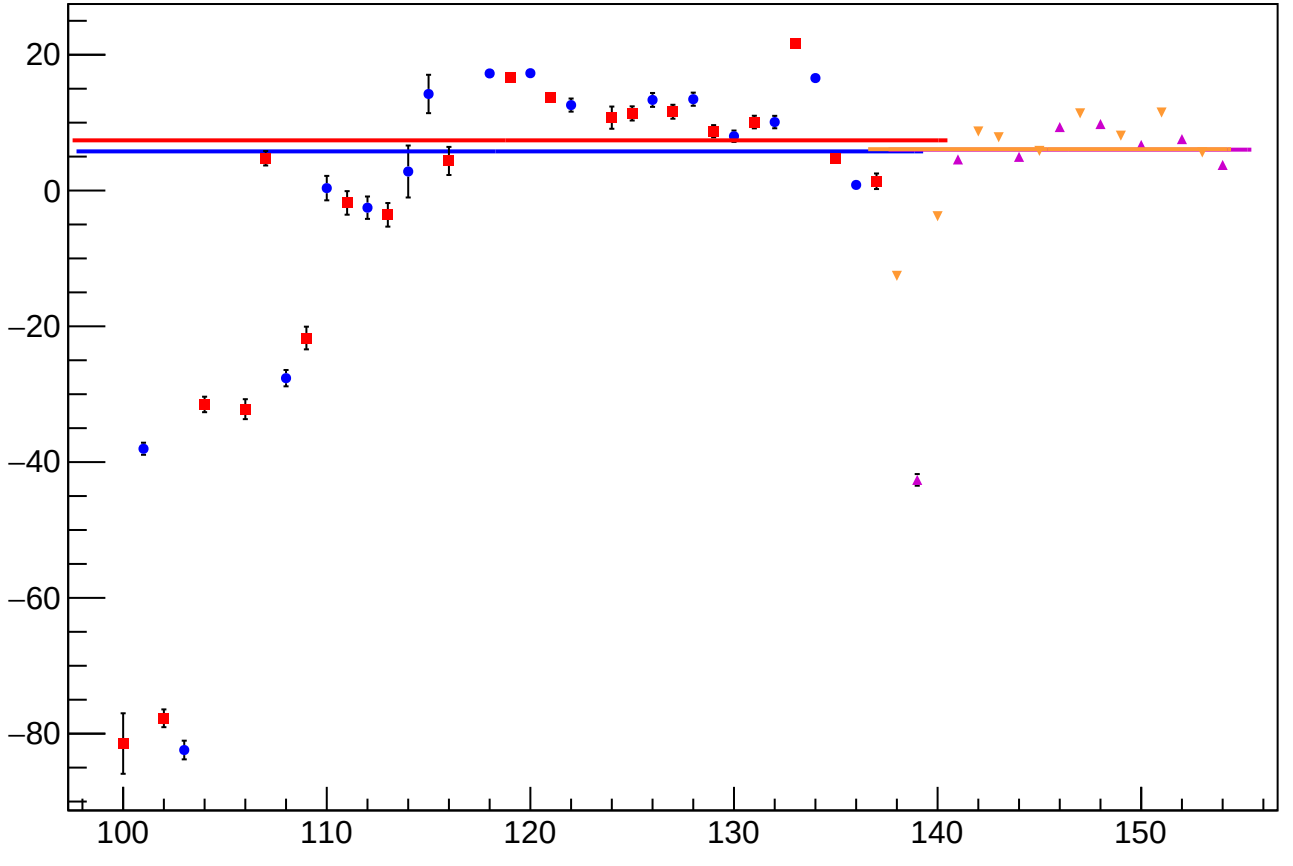
Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 3.239+/-0.141 χ^2/NDF:1742.7/23

Out: 4.002+/-0.139 χ^2/NDF:4041.4/27

All: 3.626+/-0.099 χ^2/NDF: 5798.8/51

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.091+/-0.125 χ^2/NDF:2492.1/8

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.022+/-0.127 χ^2/NDF:3572.0/7

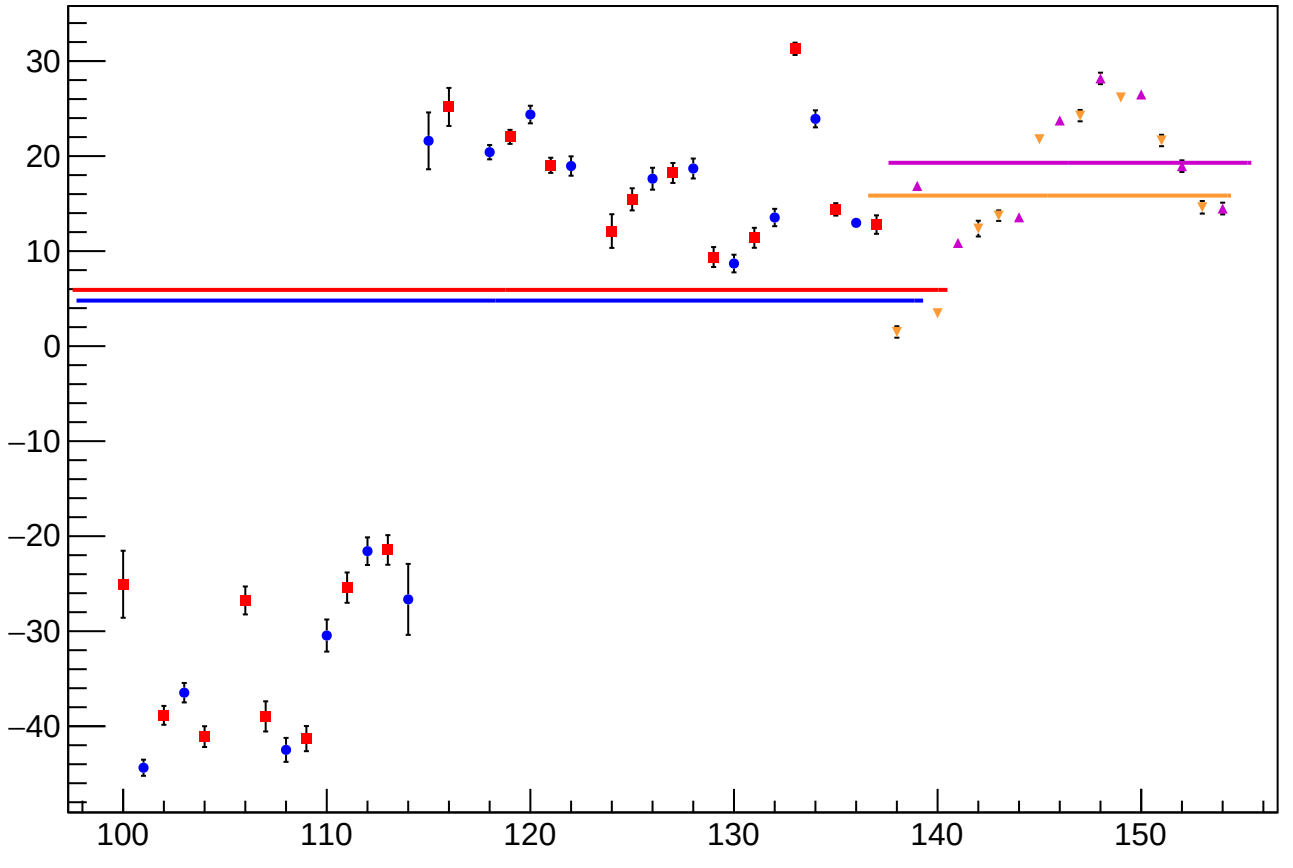
Left: 6.057+/-0.089 χ^2/NDF: 6064.3/16

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.954+/-0.109 χ^2/NDF:12506.9/23

Out: 6.433+/-0.107 χ^2/NDF:10911.3/27

All: 6.198+/-0.076 χ^2/NDF: 23428.1/51



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: 19.295+/-0.179 χ^2/NDF:1095.7/7

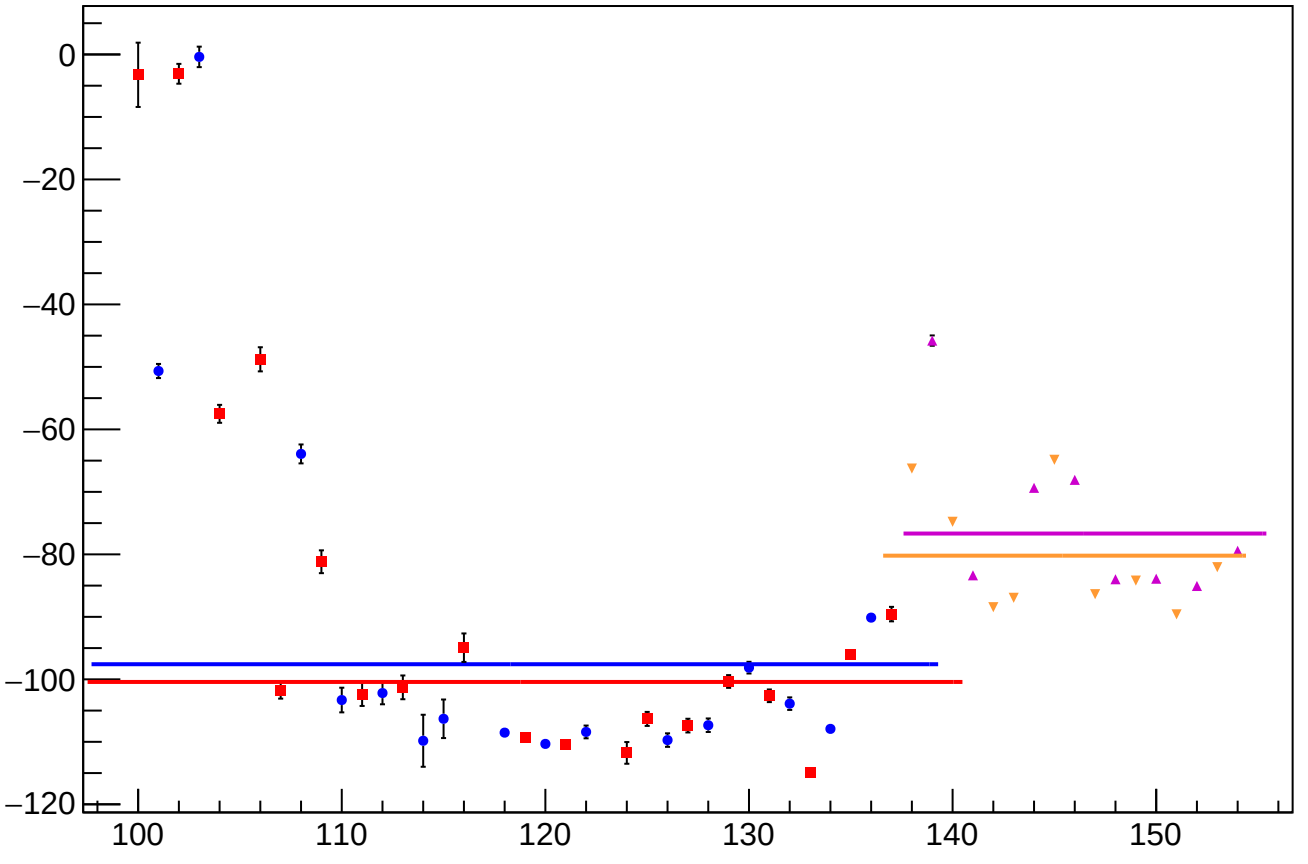
Left: 17.555+/-0.126 χ^2/NDF: 3771.1/16

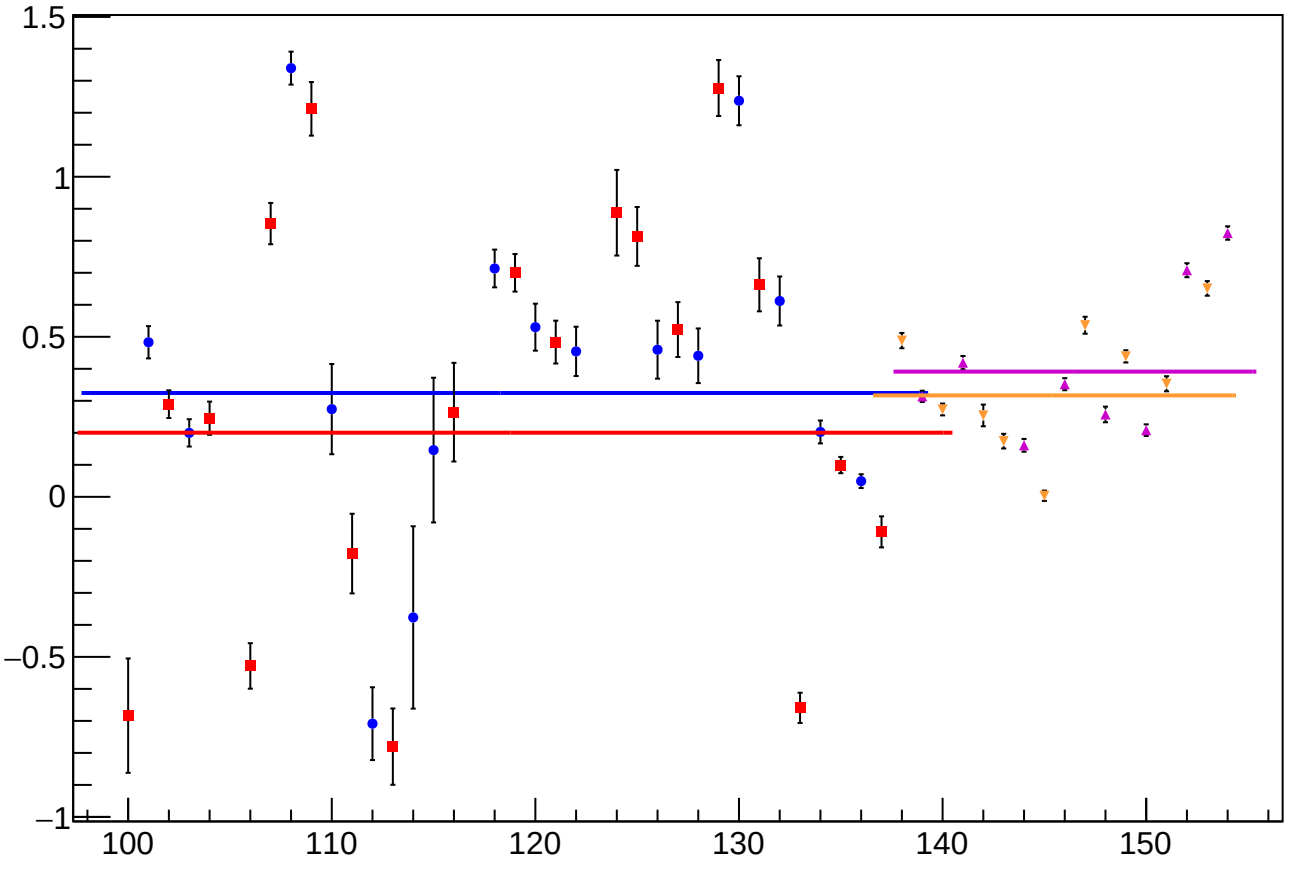
Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 14.045+/-0.143 χ^2/NDF:12972.7/23

Out: 12.338+/-0.143 χ^2/NDF:13653.7/27

All: 13.190+/-0.101 χ^2/NDF: 26697.9/51


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -97.581+/-0.242 χ²/NDF: 7144.2/15
Left Out: -80.209+/-0.151 χ²/NDF:3443.5/8
Right Out: -100.418+/-0.241 χ²/NDF: 7115.7/18
Left In: -76.668+/-0.153 χ²/NDF:3609.7/7
Left: -78.467+/-0.108 χ²/NDF: 7323.7/16
Right: -99.004+/-0.171 χ²/NDF: 14329.0/34
In: -82.676+/-0.130 χ²/NDF:16090.1/23
Out: -85.905+/-0.128 χ²/NDF:15610.0/27
All: -84.311+/-0.091 χ²/NDF: 32014.6/51



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: 0.391+/-0.007 χ^2/NDF:925.2/7

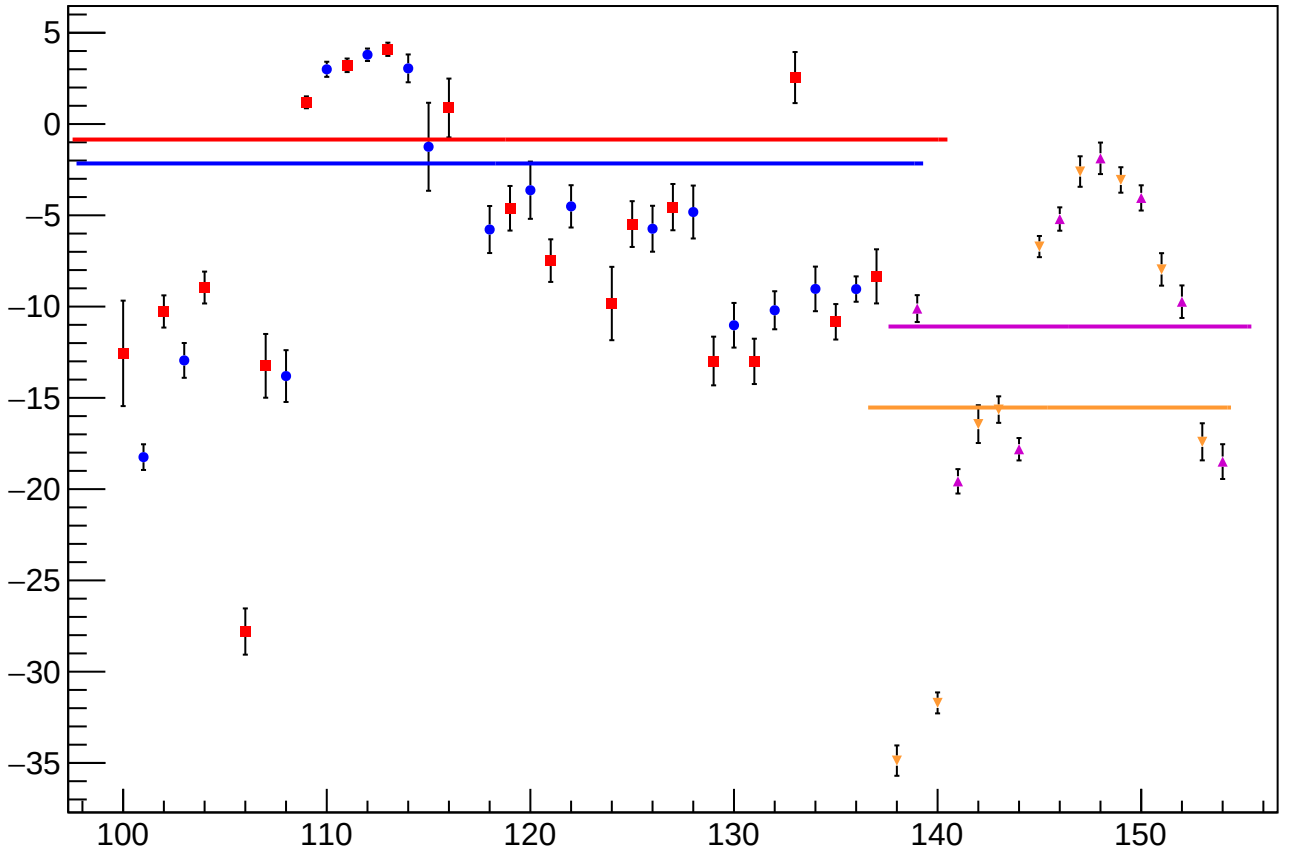
Left: 0.355+/-0.005 χ^2/NDF: 1779.0/16

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.376+/-0.006 χ^2/NDF:1831.3/23

Out: 0.292+/-0.006 χ^2/NDF:2061.8/27

All: 0.335+/-0.004 χ^2/NDF: 3982.2/51



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: -11.092+/-0.258 χ^2/NDF:647.9/7

Left: -13.384+/-0.180 χ^2/NDF: 3001.6/16

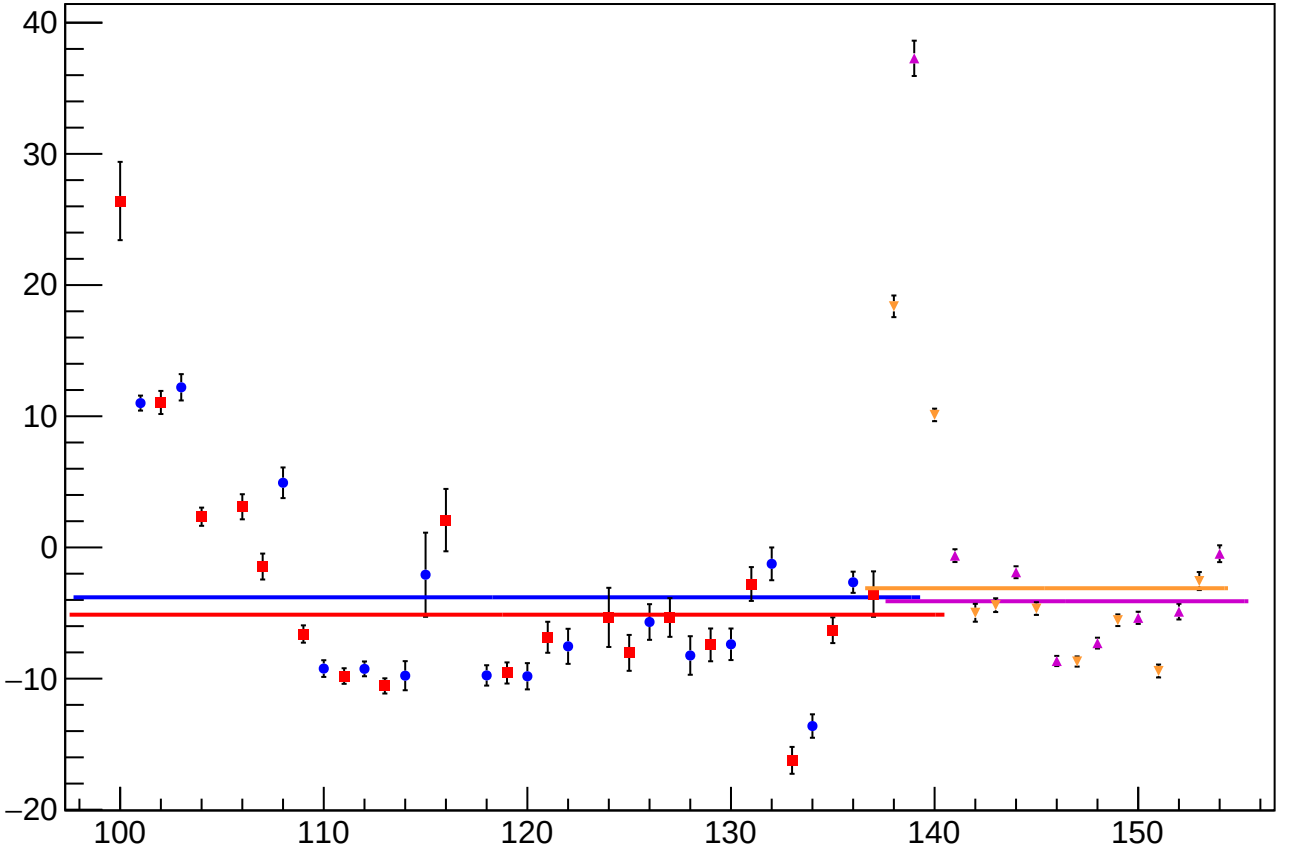
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -5.336+/-0.154 χ^2/NDF:2908.8/23

Out: -5.505+/-0.141 χ^2/NDF:6021.5/27

All: -5.428+/-0.104 χ^2/NDF: 8931.0/51

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: -4.102+/-0.177 χ^2/NDF:1258.0/7

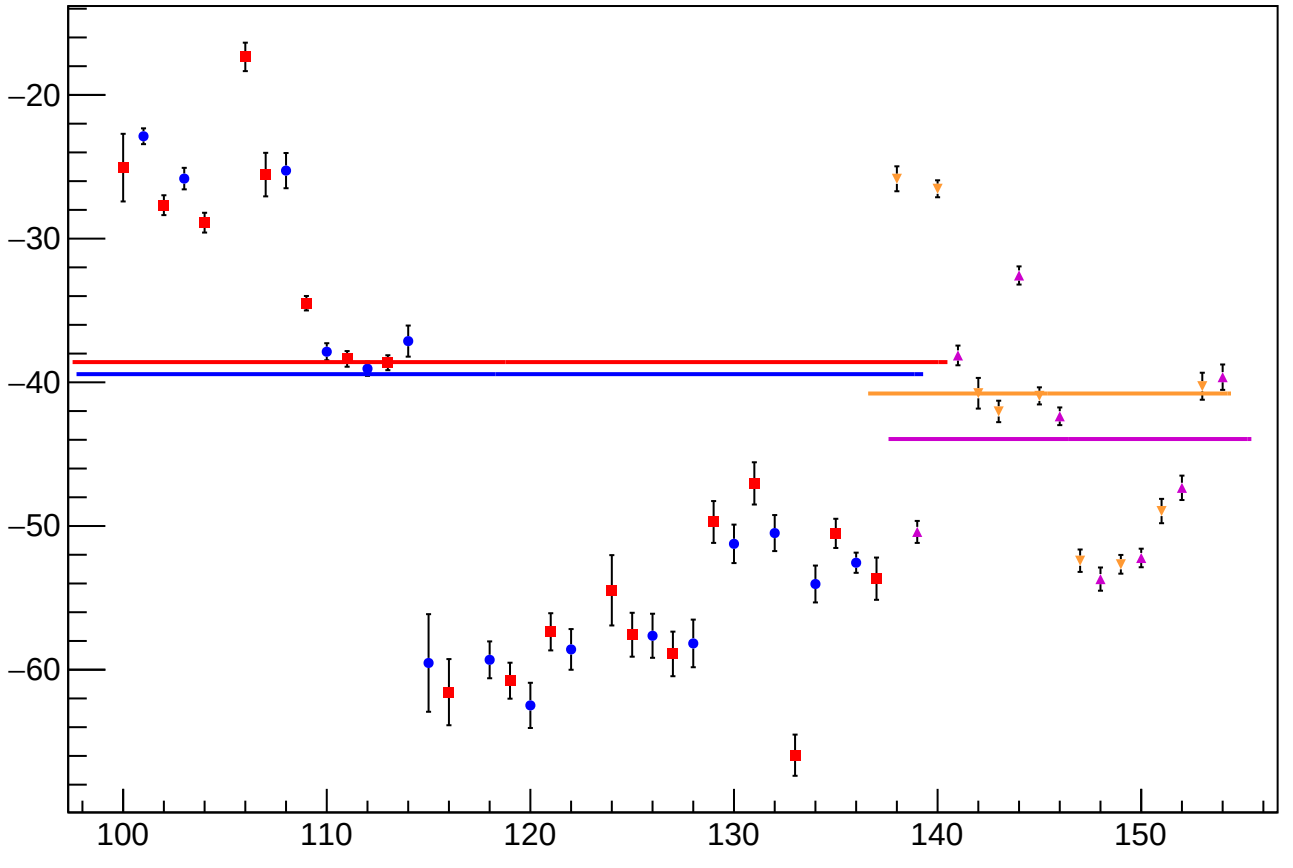
Left: -3.591+/-0.123 χ^2/NDF: 3142.1/16

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.987+/-0.139 χ^2/NDF:2684.6/23

Out: -3.879+/-0.135 χ^2/NDF:2901.1/27

All: -3.931+/-0.097 χ^2/NDF: 5586.0/51



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: -43.946+/-0.253 χ^2/NDF:823.3/7

Left: -42.330+/-0.177 χ^2/NDF: 2433.5/16

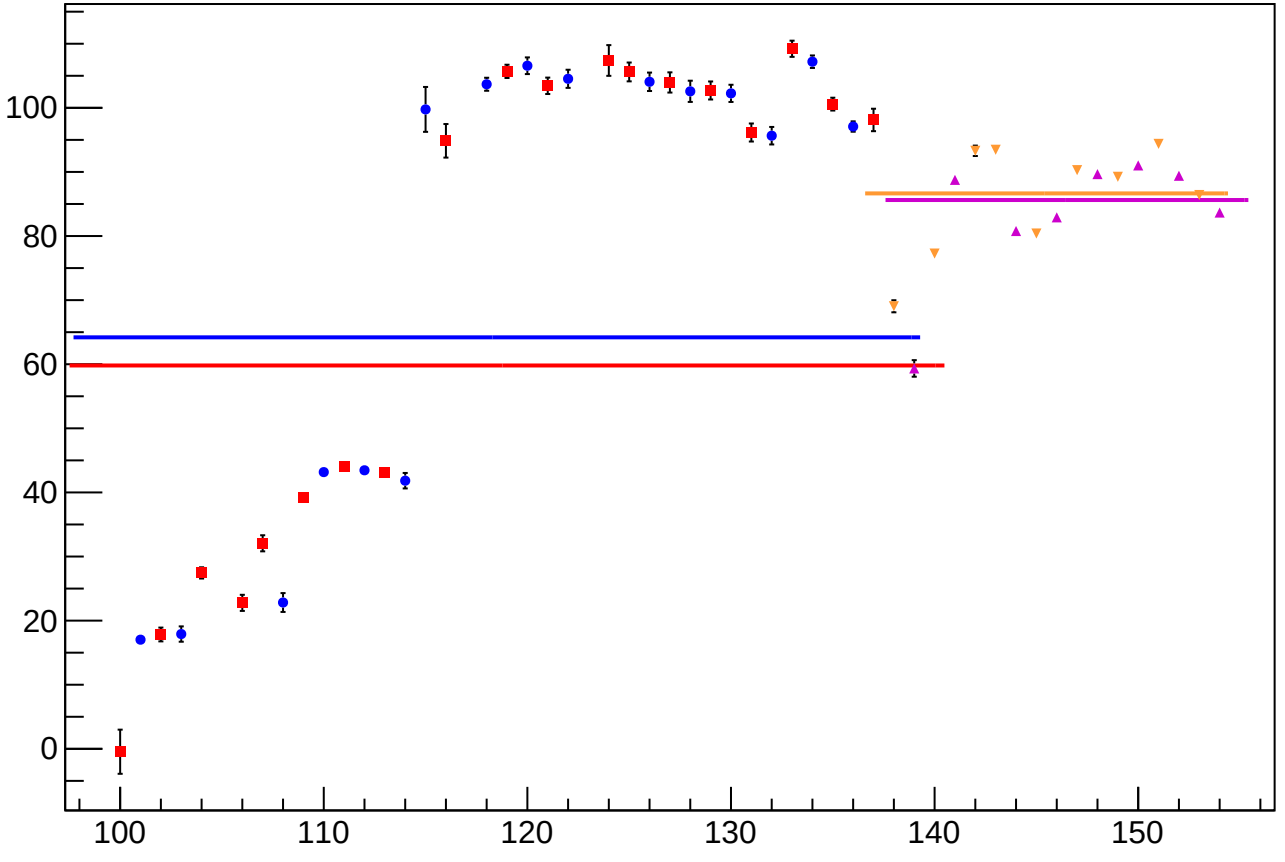
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -41.426+/-0.168 χ^2/NDF:3958.6/23

Out: -39.517+/-0.161 χ^2/NDF:4347.3/27

All: -40.431+/-0.117 χ^2/NDF: 8372.8/51

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: 85.618+/-0.214 χ^2/NDF:744.1/7

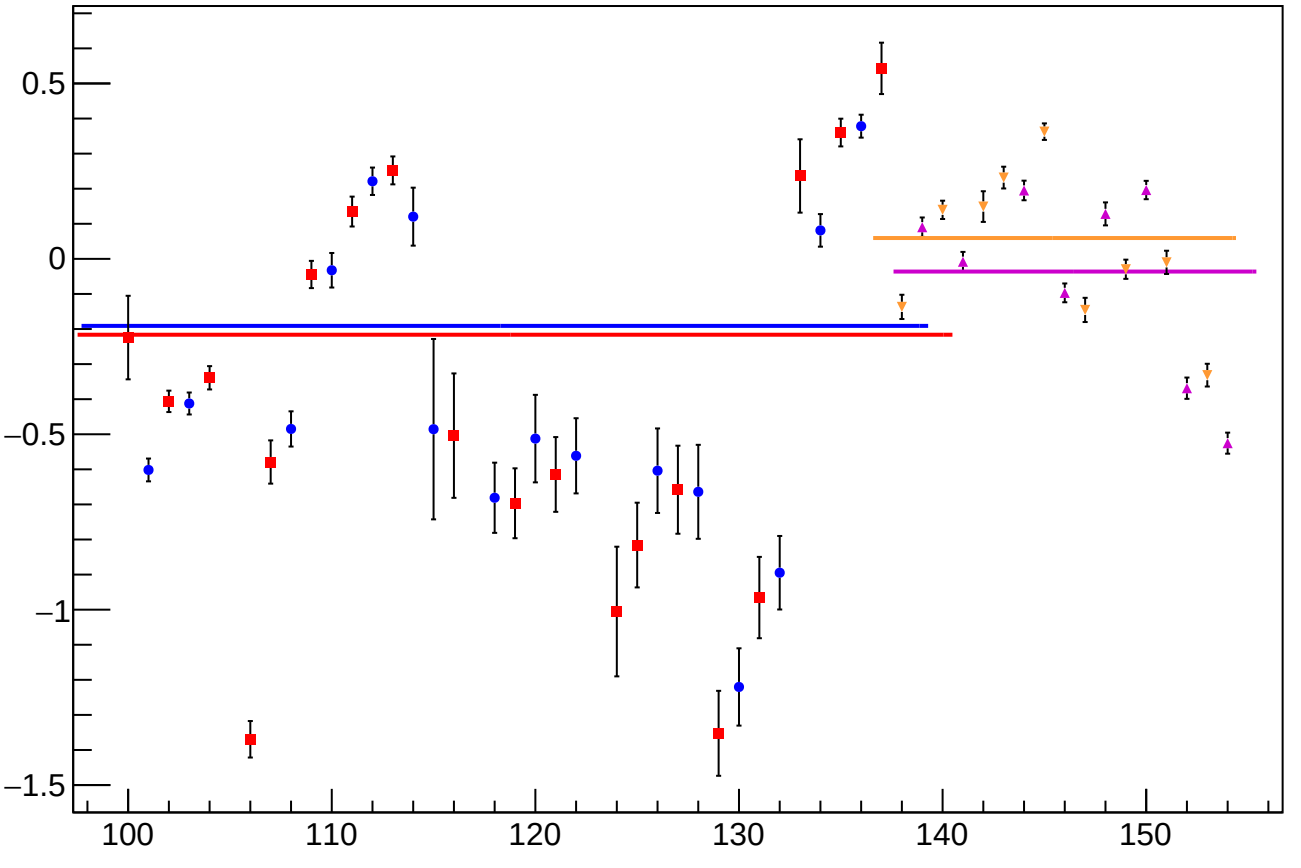
Left: 86.145+/-0.150 χ^2/NDF: 1909.5/16

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 76.857+/-0.165 χ^2/NDF:23431.1/23

Out: 75.512+/-0.160 χ^2/NDF:25399.9/27

All: 76.166+/-0.115 χ^2/NDF: 48865.2/51



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: -0.036+/-0.010 χ^2/NDF:585.7/7

Left: 0.011+/-0.007 χ^2/NDF: 1068.4/16

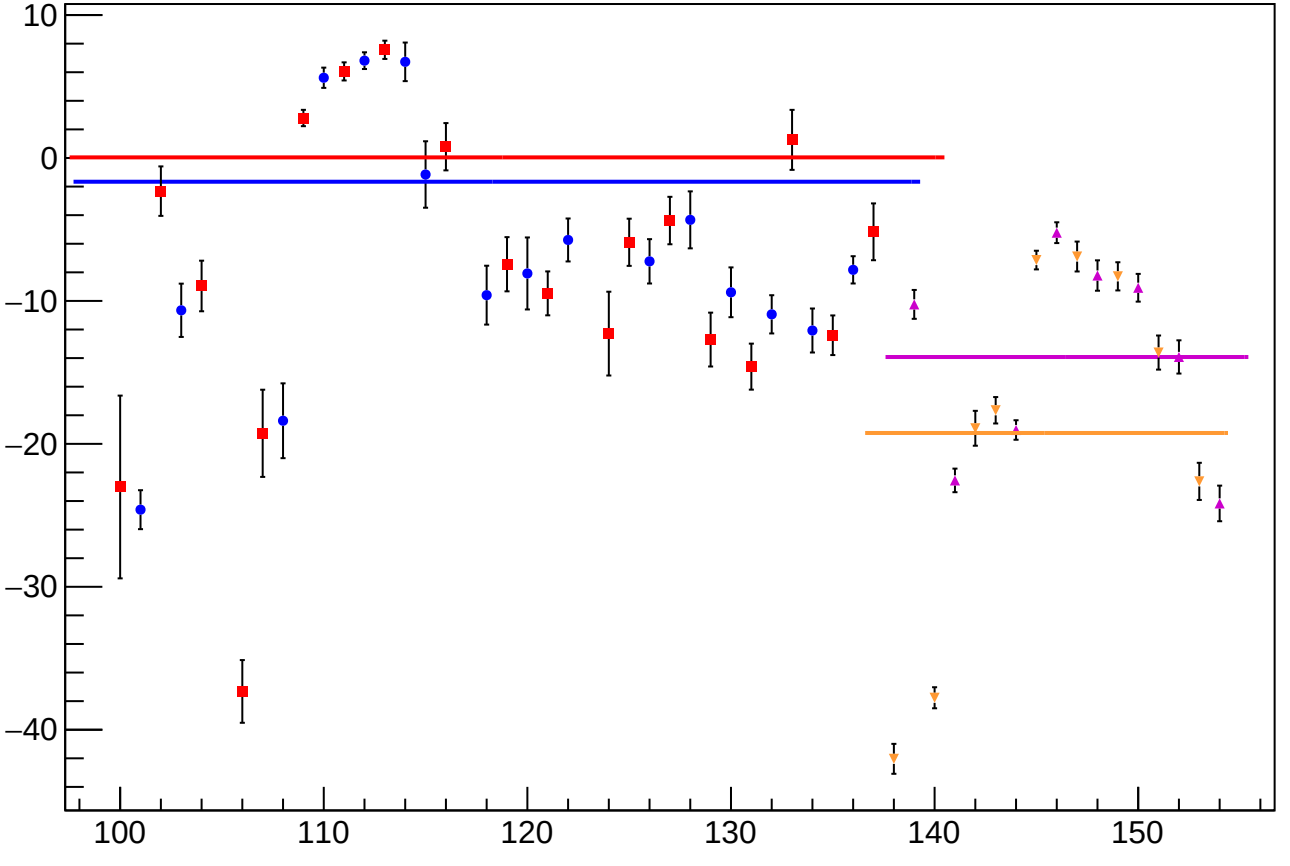
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.092+/-0.008 χ^2/NDF:1589.0/23

Out: -0.046+/-0.008 χ^2/NDF:2087.1/27

All: -0.069+/-0.006 χ^2/NDF: 3692.8/51

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: -13.924+/-0.319 χ^2/NDF:443.0/7

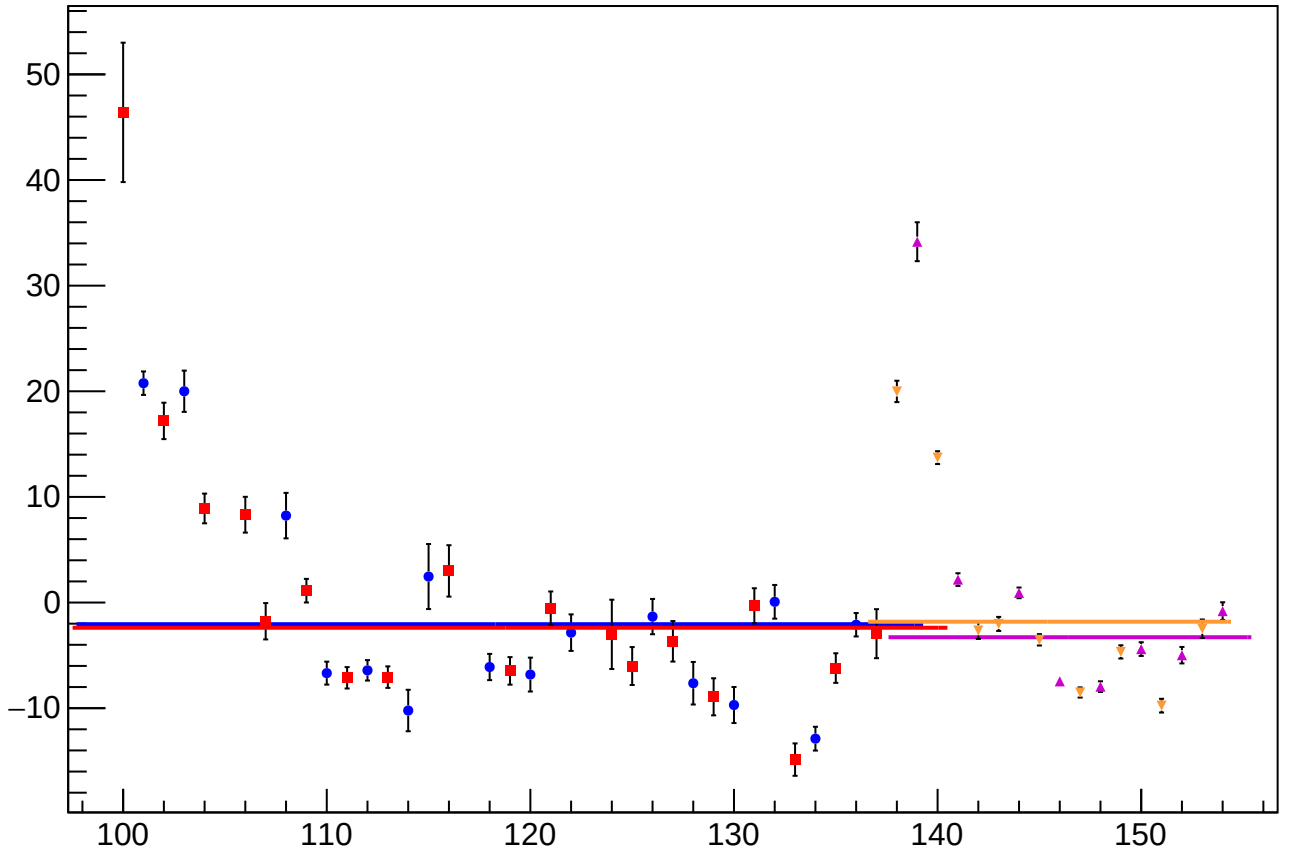
Left: -16.630+/-0.224 χ^2/NDF: 2328.4/16

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -7.575+/-0.222 χ^2/NDF:2107.4/23

Out: -8.580+/-0.210 χ^2/NDF:4767.3/27

All: -8.105+/-0.152 χ^2/NDF: 6885.6/51



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: -3.284+/-0.214 χ^2/NDF:761.2/7

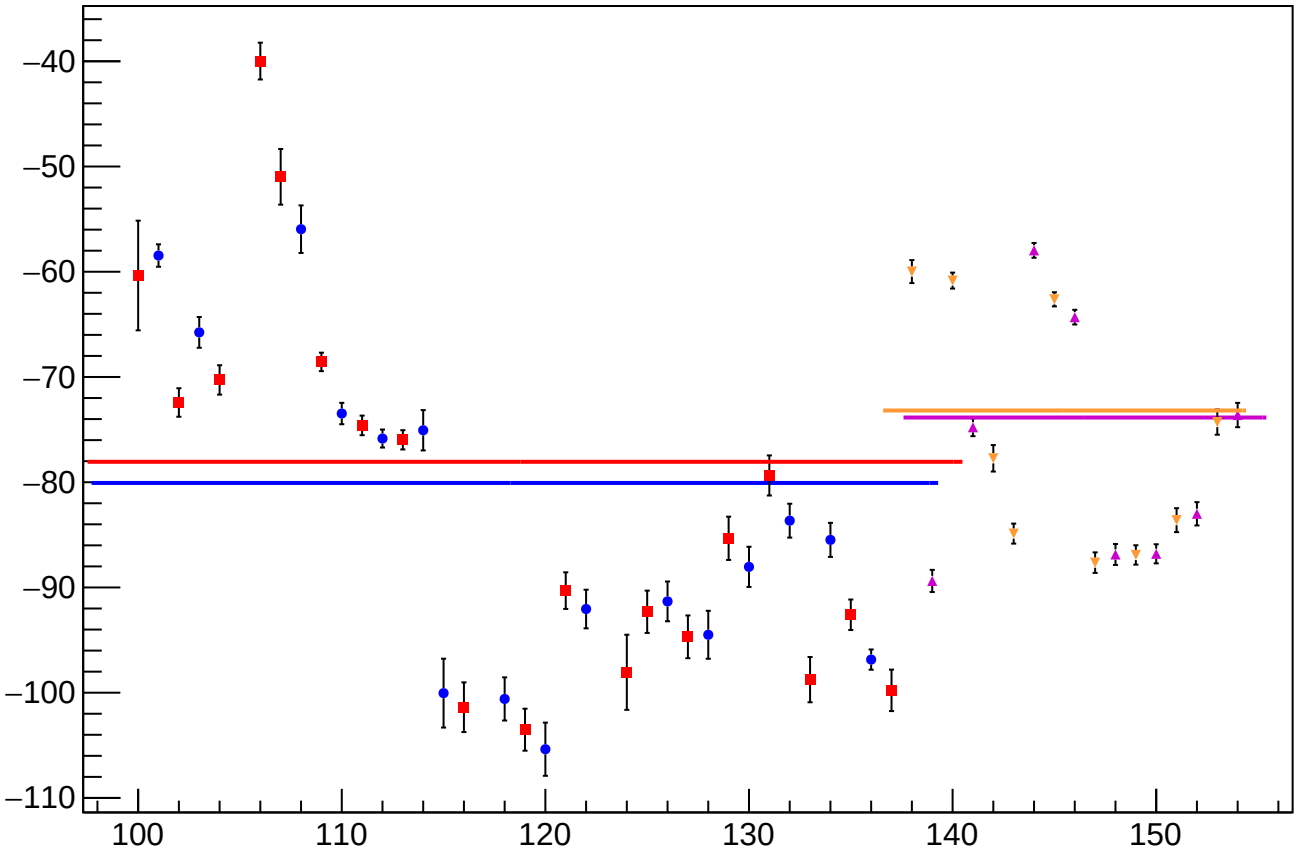
Left: -2.555+/-0.152 χ^2/NDF: 2276.1/16

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.956+/-0.184 χ^2/NDF:1542.0/23

Out: -1.969+/-0.185 χ^2/NDF:1944.4/27

All: -2.465+/-0.130 χ^2/NDF: 3500.7/51



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: -73.852+/-0.314 χ^2/NDF:1357.7/7

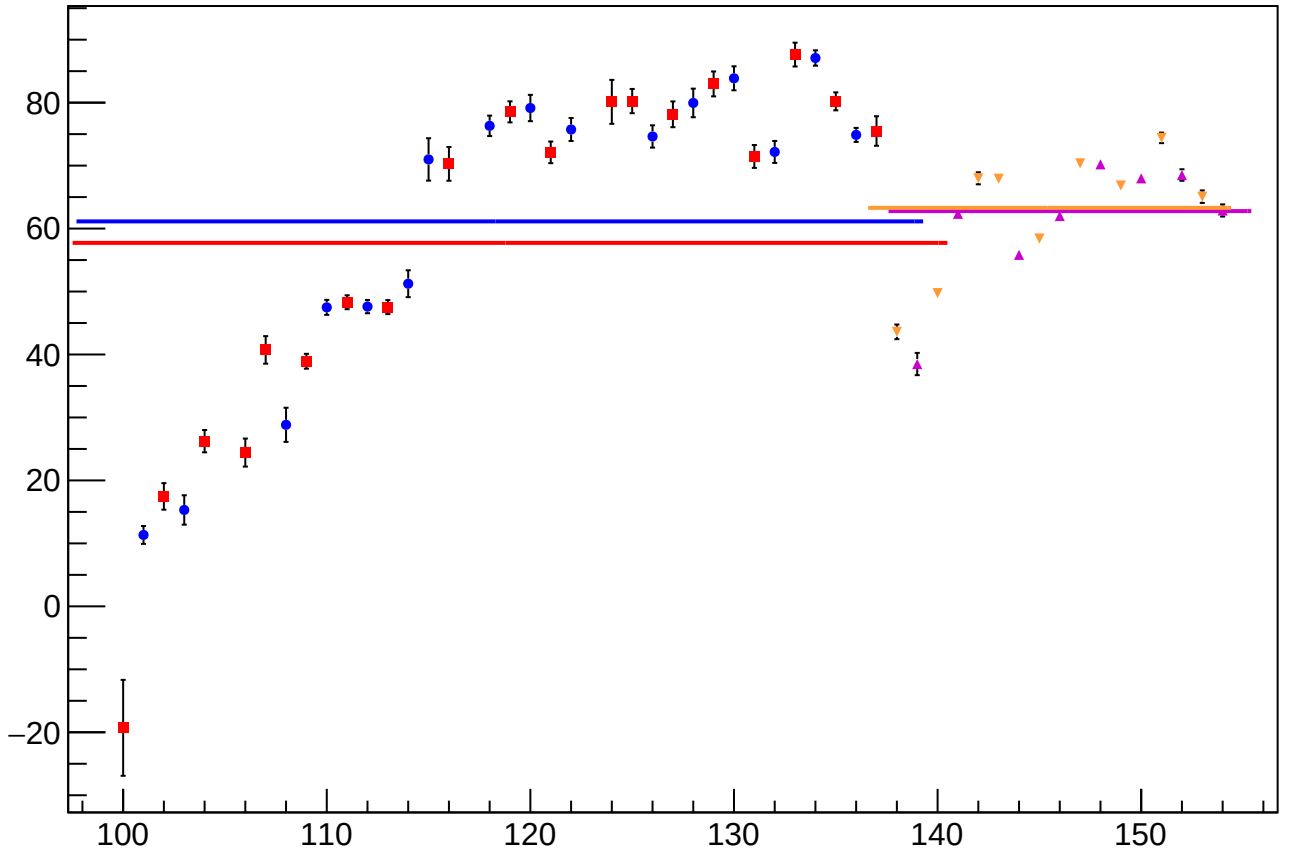
Left: -73.516+/-0.221 χ^2/NDF: 2710.0/16

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.499+/-0.238 χ^2/NDF:2912.0/23

Out: -75.323+/-0.234 χ^2/NDF:3017.9/27

All: -75.902+/-0.167 χ^2/NDF: 5942.4/51



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: 62.778+/-0.261 χ^2/NDF:528.7/7

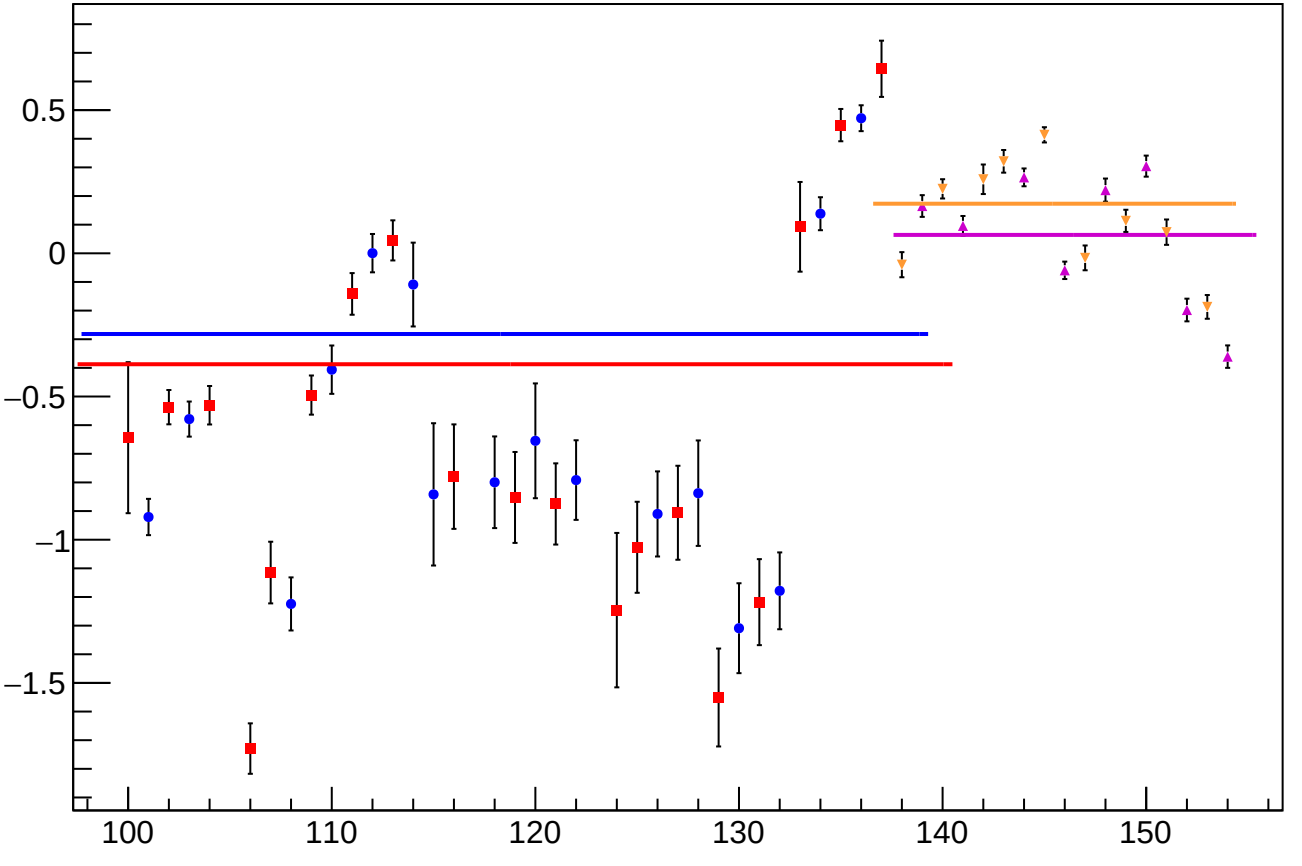
Left: 63.033+/-0.186 χ^2/NDF: 1596.9/16

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 62.288+/-0.219 χ^2/NDF:3769.7/23

Out: 61.610+/-0.220 χ^2/NDF:3976.9/27

All: 61.951+/-0.155 χ^2/NDF: 7751.4/51



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: 0.064+/-0.013 χ^2/NDF:285.1/7

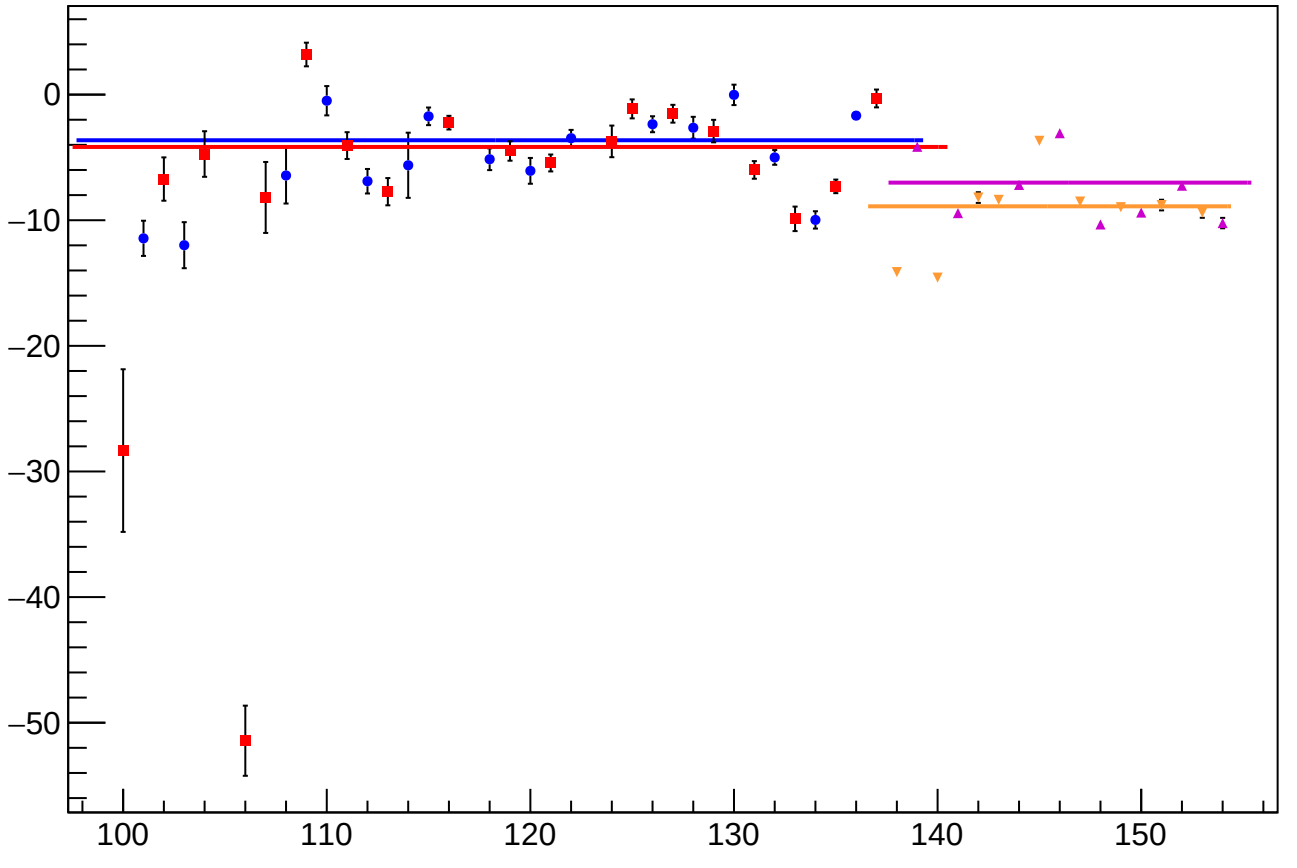
Left: 0.118+/-0.009 χ^2/NDF: 548.4/16

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.024+/-0.011 χ^2/NDF:1204.3/23

Out: 0.031+/-0.011 χ^2/NDF:1533.6/27

All: 0.003+/-0.008 χ^2/NDF: 2750.2/51



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: -7.007+/-0.109 χ^2/NDF:610.8/7

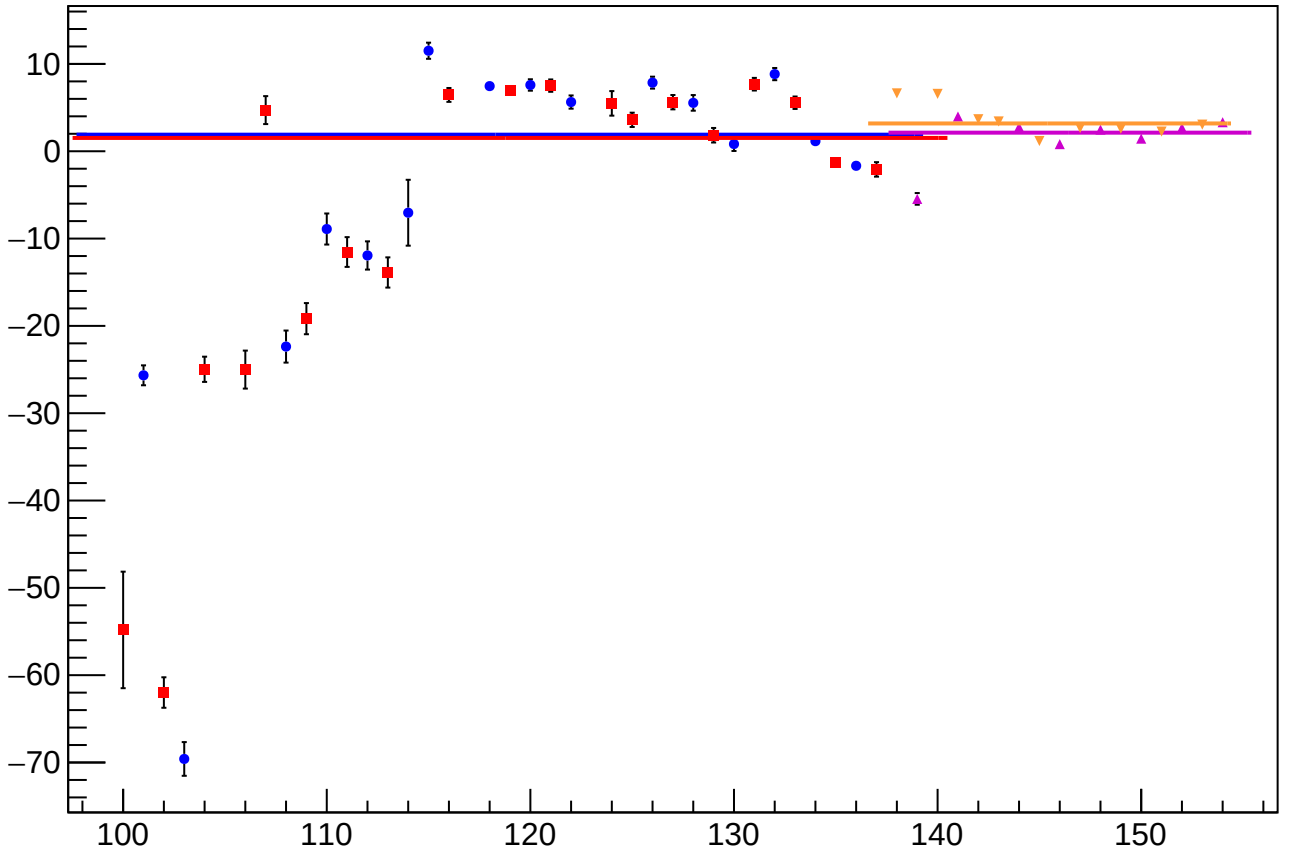
Left: -7.953+/-0.077 χ^2/NDF: 2030.2/16

Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -6.169+/-0.094 χ^2/NDF:1084.8/23

Out: -7.816+/-0.095 χ^2/NDF:2231.6/27

All: -6.983+/-0.067 χ^2/NDF: 3467.5/51



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: 2.129+/-0.073 χ^2/NDF:343.5/7

Left: 2.638+/-0.052 χ^2/NDF: 952.1/16

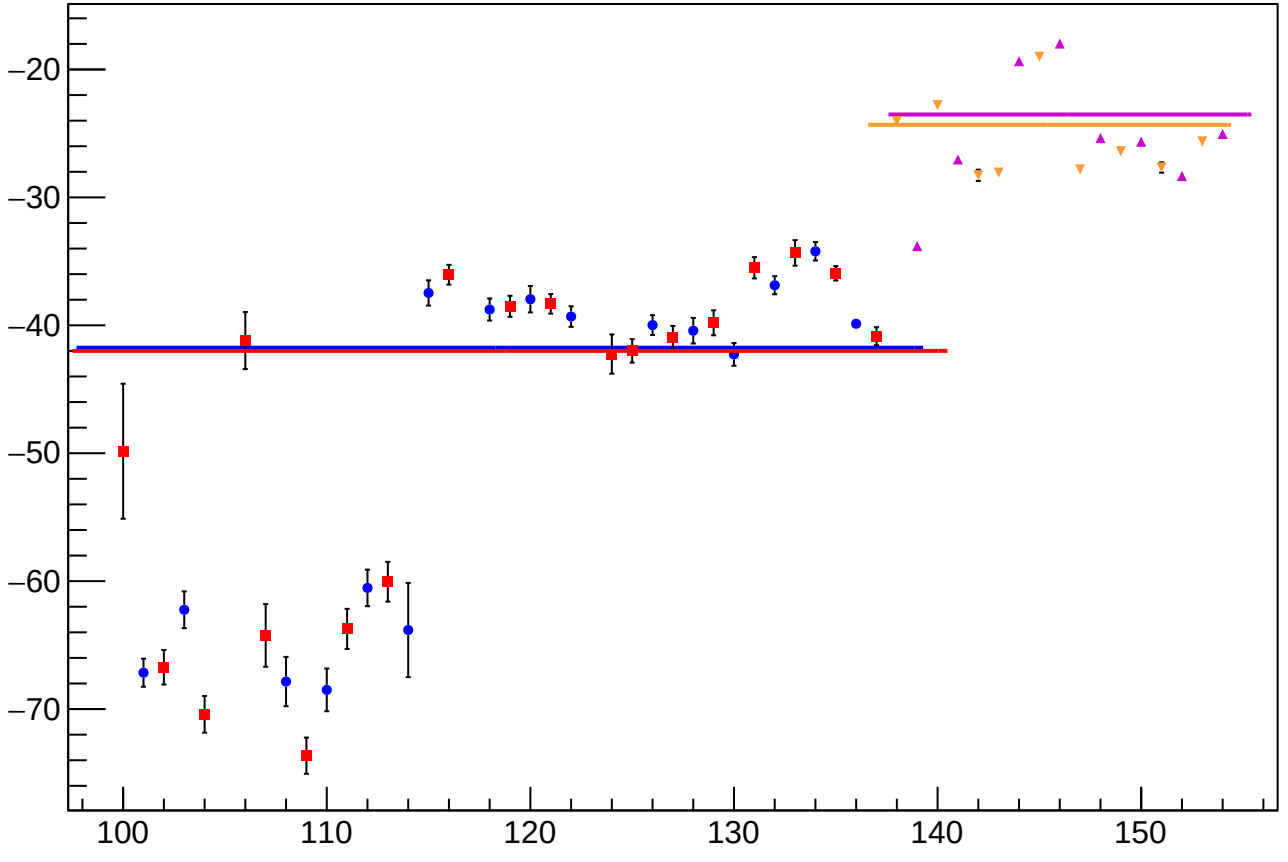
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.099+/-0.068 χ^2/NDF:3183.0/23

Out: 2.992+/-0.071 χ^2/NDF:3122.7/27

All: 2.527+/-0.049 χ^2/NDF: 6388.8/51

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: -23.519+/-0.107 χ^2/NDF:2043.4/7

Left: -23.918+/-0.076 χ^2/NDF: 3111.1/16

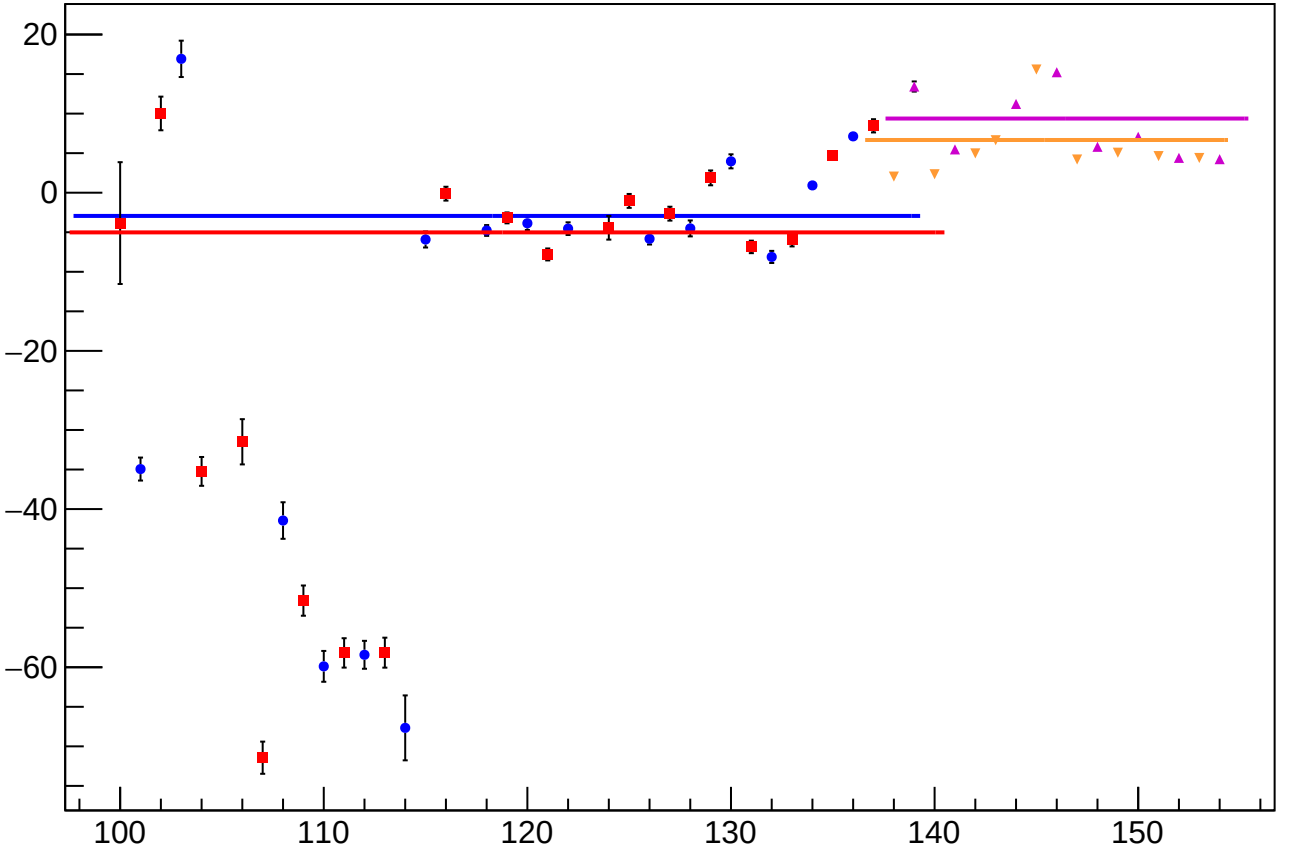
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.334+/-0.095 χ^2/NDF:9774.6/23

Out: -27.574+/-0.098 χ^2/NDF:7916.9/27

All: -27.450+/-0.068 χ^2/NDF: 17694.6/51

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.664+/-0.091 χ^2/NDF:2603.1/8

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 9.376+/-0.089 χ^2/NDF:2306.7/7

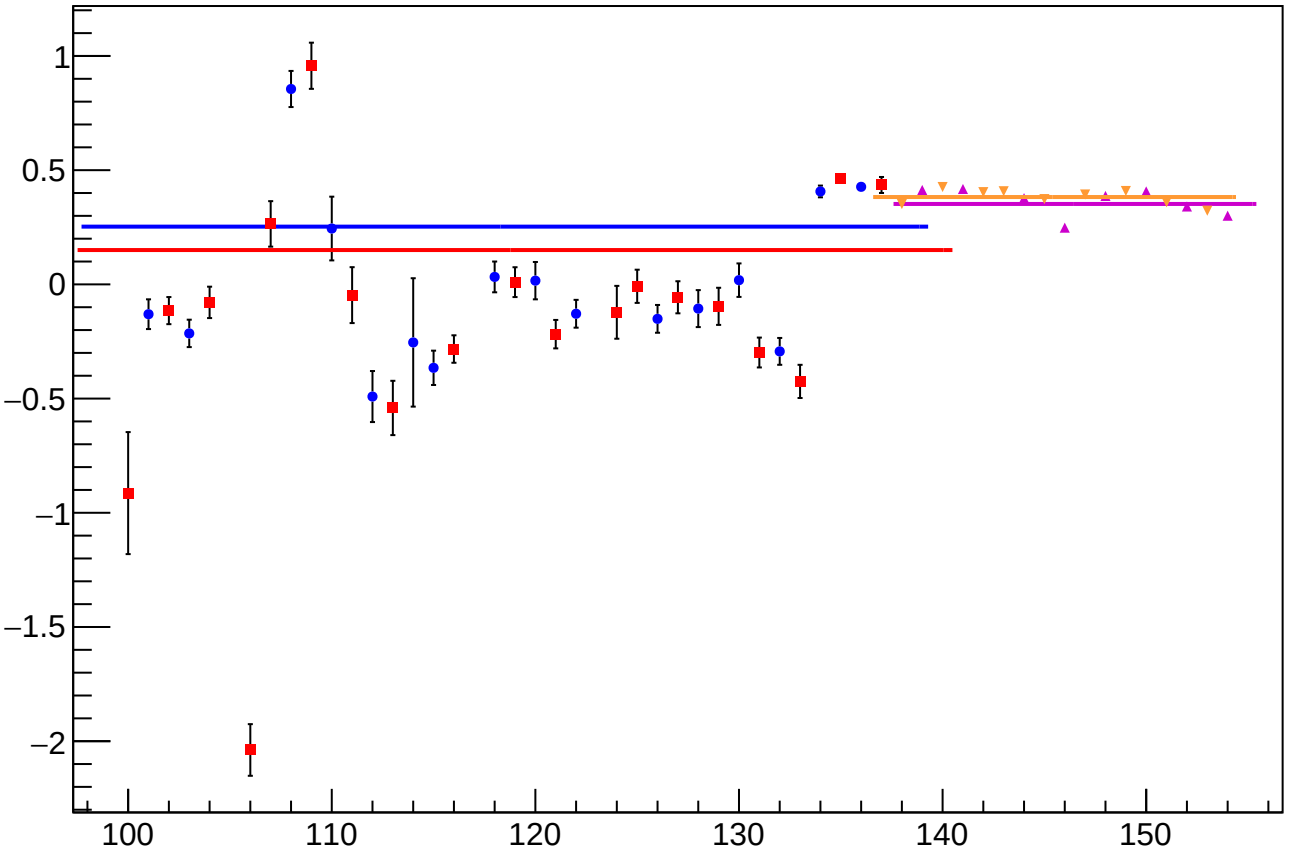
Left: 8.062+/-0.064 χ^2/NDF: 5363.6/16

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.509+/-0.082 χ^2/NDF:8958.1/23

Out: 5.092+/-0.085 χ^2/NDF:9178.3/27

All: 6.350+/-0.059 χ^2/NDF: 18557.1/51



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: 0.352+/-0.004 χ^2/NDF:209.4/7

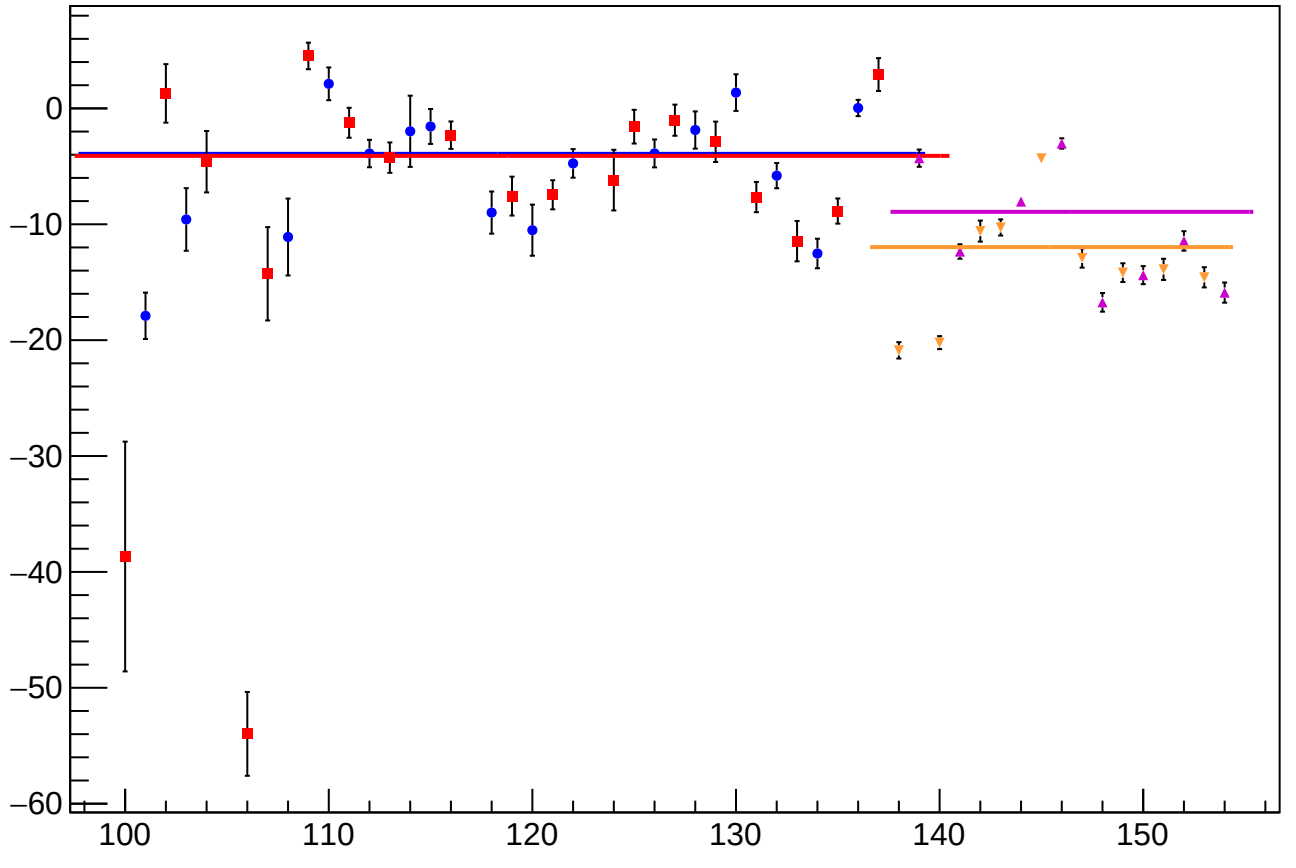
Left: 0.367+/-0.003 χ^2/NDF: 282.6/16

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.340+/-0.004 χ^2/NDF:906.0/23

Out: 0.360+/-0.004 χ^2/NDF:1339.3/27

All: 0.349+/-0.003 χ^2/NDF: 2256.8/51



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: -8.927+/-0.220 χ^2/NDF:462.8/7

Left: -10.438+/-0.156 χ^2/NDF: 1341.8/16

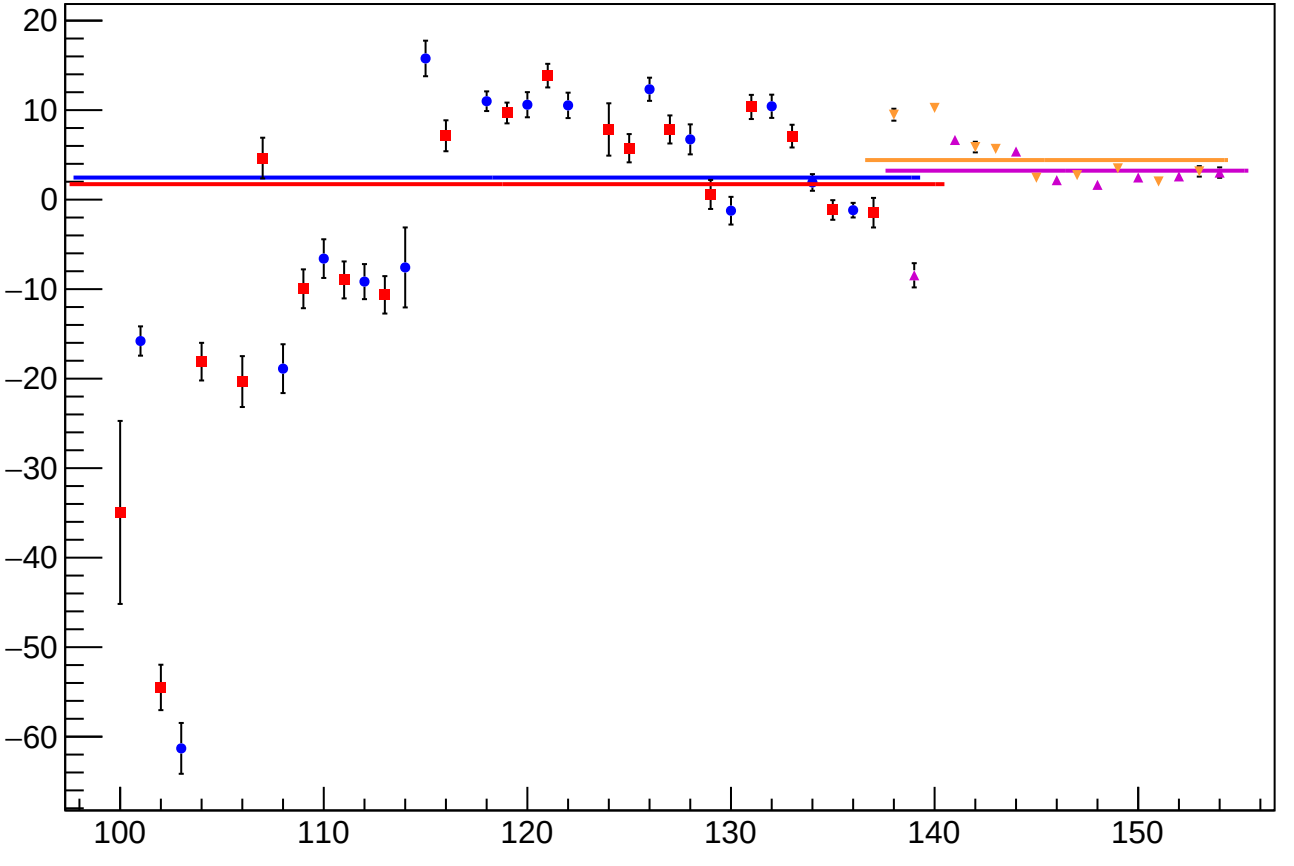
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -7.487+/-0.186 χ^2/NDF:800.4/23

Out: -9.781+/-0.188 χ^2/NDF:1502.4/27

All: -8.618+/-0.132 χ^2/NDF: 2378.1/51

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: 3.234+/-0.147 χ^2/NDF:214.3/7

Left: 3.792+/-0.107 χ^2/NDF: 563.2/16

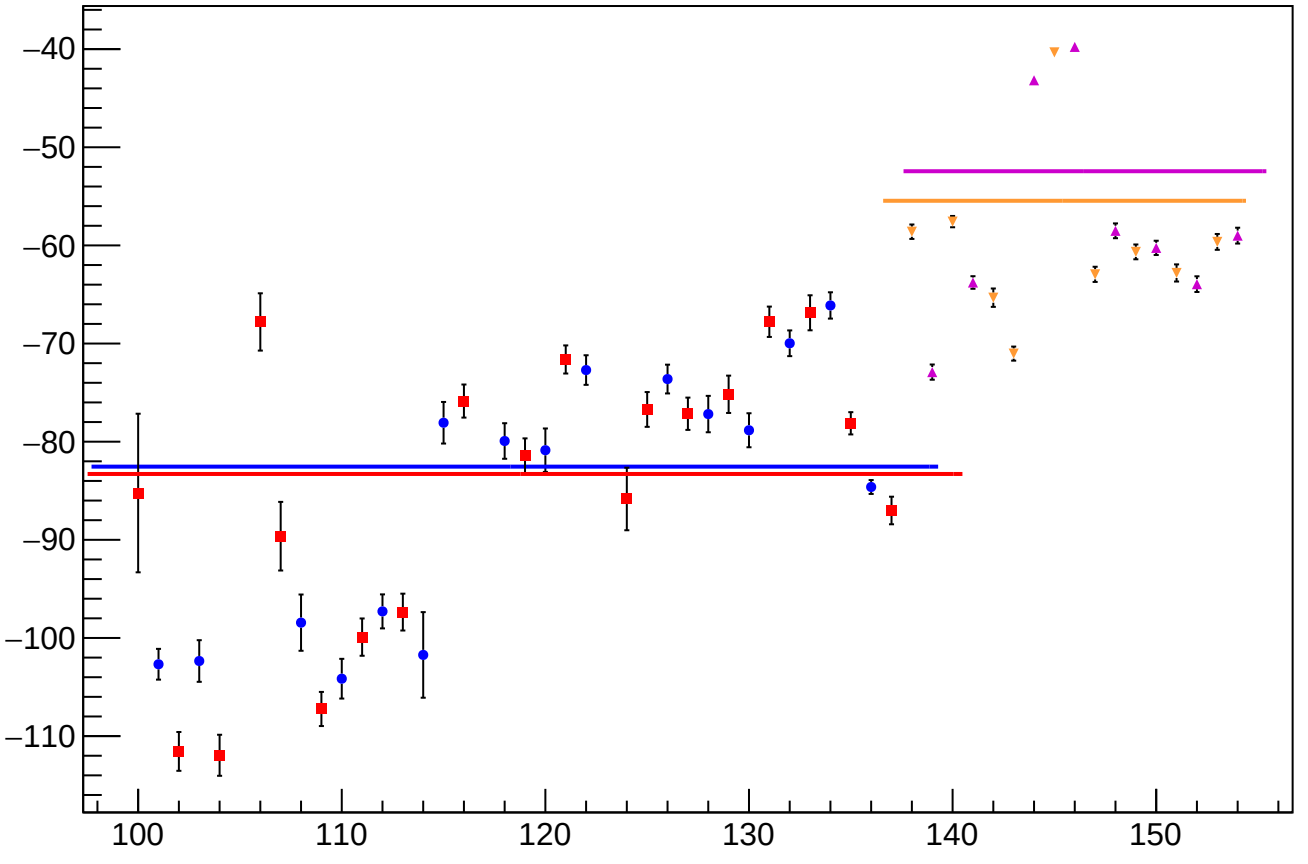
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.123+/-0.136 χ^2/NDF:1265.0/23

Out: 4.043+/-0.144 χ^2/NDF:1343.1/27

All: 3.554+/-0.099 χ^2/NDF: 2629.7/51

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: -52.442+/-0.217 χ^2/NDF:2762.1/7

Left: -53.910+/-0.155 χ^2/NDF: 5094.7/16

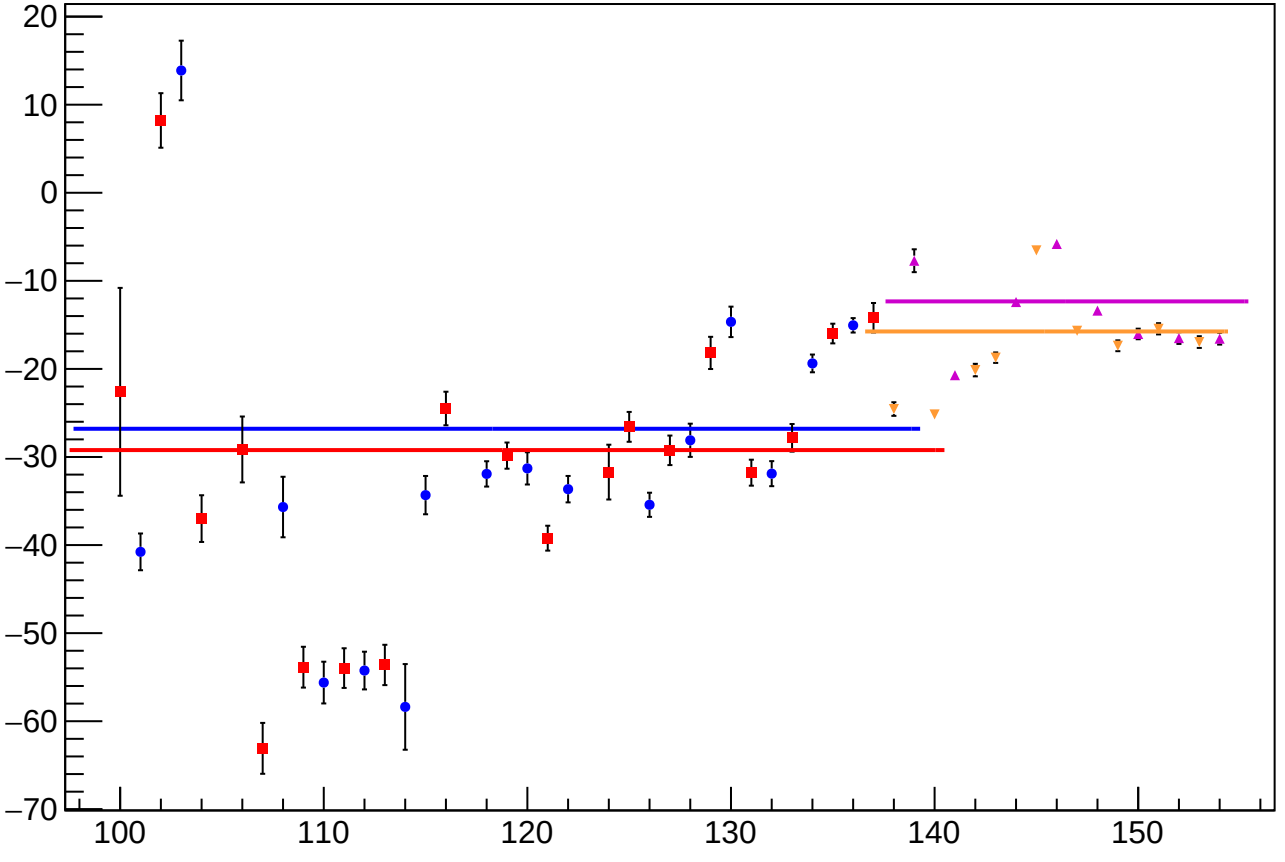
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -59.703+/-0.189 χ^2/NDF:8255.4/23

Out: -61.670+/-0.196 χ^2/NDF:6838.0/27

All: -60.651+/-0.136 χ^2/NDF: 15145.7/51

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: -12.334+/-0.179 χ^2/NDF:758.7/7

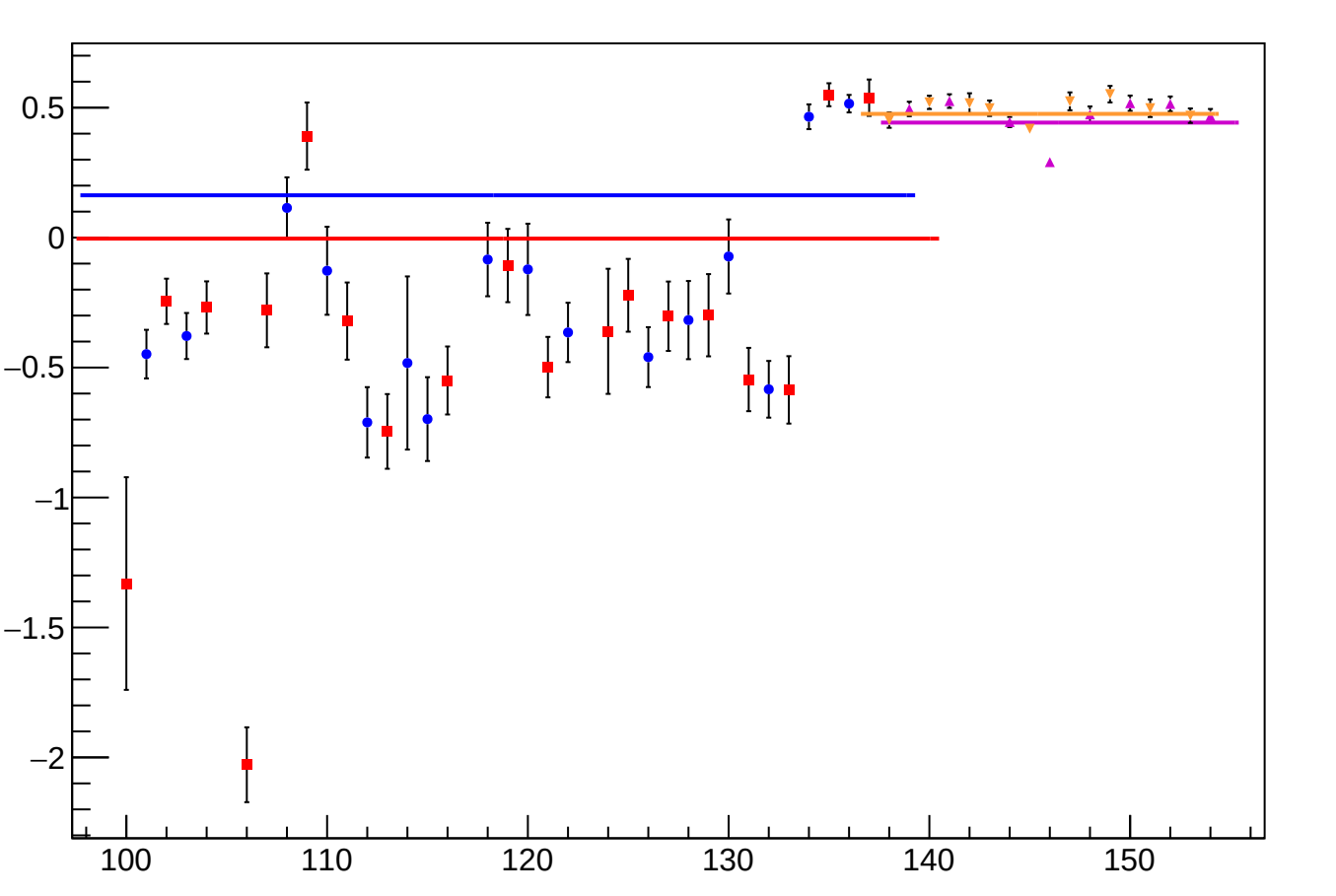
Left: -13.955+/-0.130 χ^2/NDF: 2048.7/16

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -14.801+/-0.163 χ^2/NDF:2830.7/23

Out: -17.911+/-0.173 χ^2/NDF:2898.0/27

All: -16.269+/-0.119 χ^2/NDF: 5899.8/51



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: 0.443+/-0.009 χ^2/NDF:94.2/7

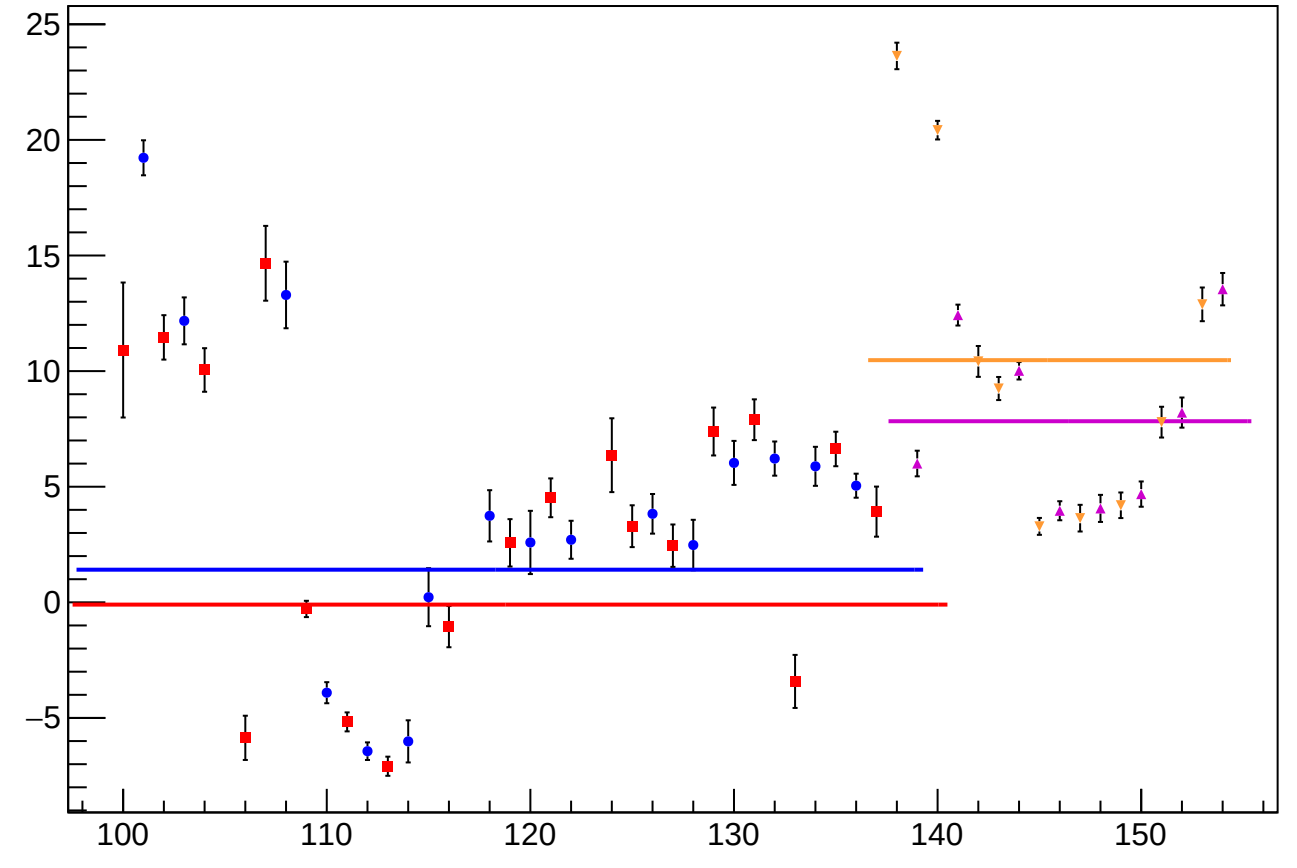
Left: 0.459+/-0.006 χ^2/NDF: 127.3/16

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.402+/-0.008 χ^2/NDF:662.9/23

Out: 0.418+/-0.008 χ^2/NDF:939.4/27

All: 0.410+/-0.006 χ^2/NDF: 1604.2/51



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 10.474+/-0.173 χ^2/NDF:1825.1/8

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 7.833+/-0.177 χ^2/NDF:377.7/7

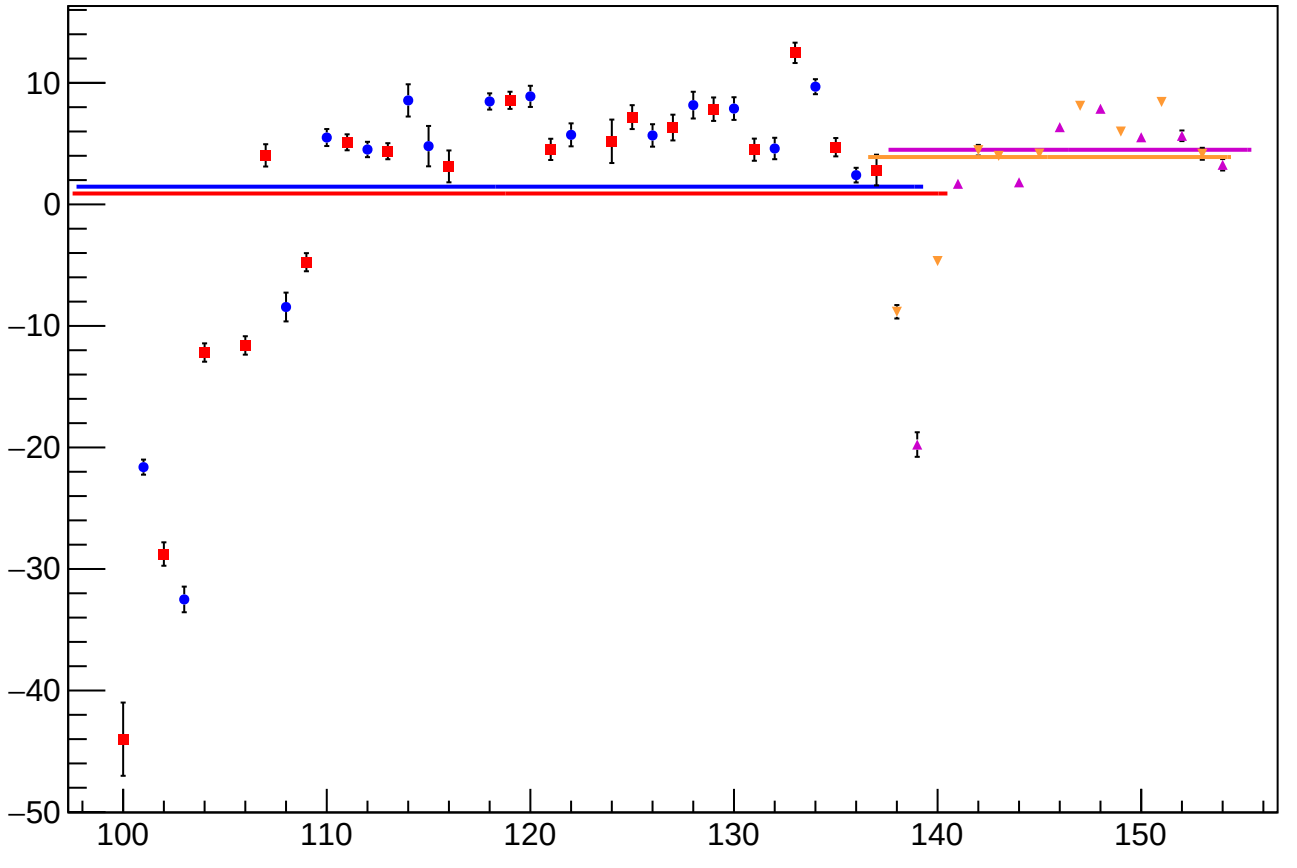
Left: 9.186+/-0.124 χ^2/NDF: 2316.2/16

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 4.722+/-0.127 χ^2/NDF:2533.8/23

Out: 5.009+/-0.120 χ^2/NDF:4899.2/27

All: 4.874+/-0.088 χ^2/NDF: 7435.7/51



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: 4.495+/-0.119 χ^2/NDF:970.3/7

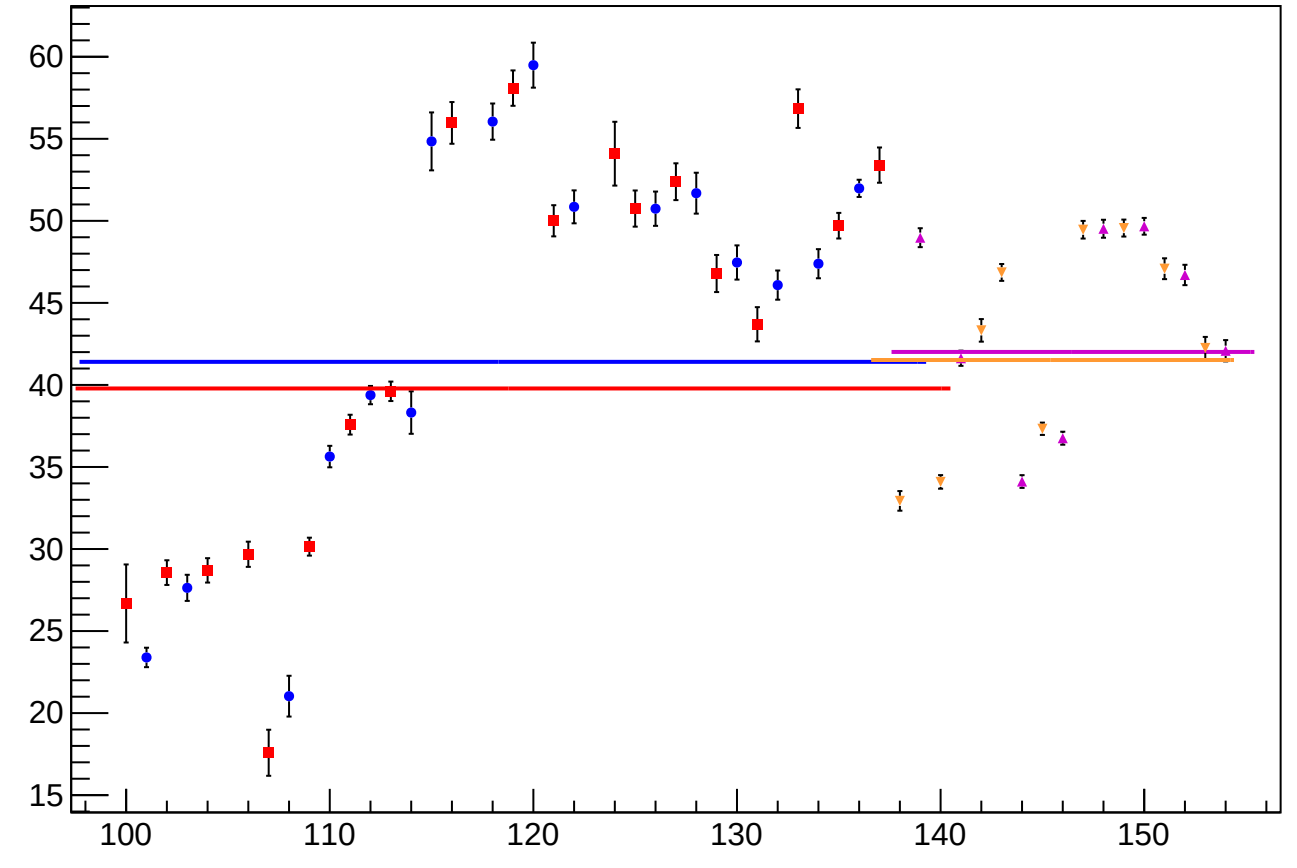
Left: 4.197+/-0.084 χ^2/NDF: 2619.6/16

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.722+/-0.103 χ^2/NDF:4216.5/23

Out: 3.121+/-0.103 χ^2/NDF:4177.3/27

All: 3.422+/-0.073 χ^2/NDF: 8411.0/51



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: 42.011+/-0.175 χ^2/NDF:1205.5/7

Left: 41.763+/-0.123 χ^2/NDF: 2514.0/16

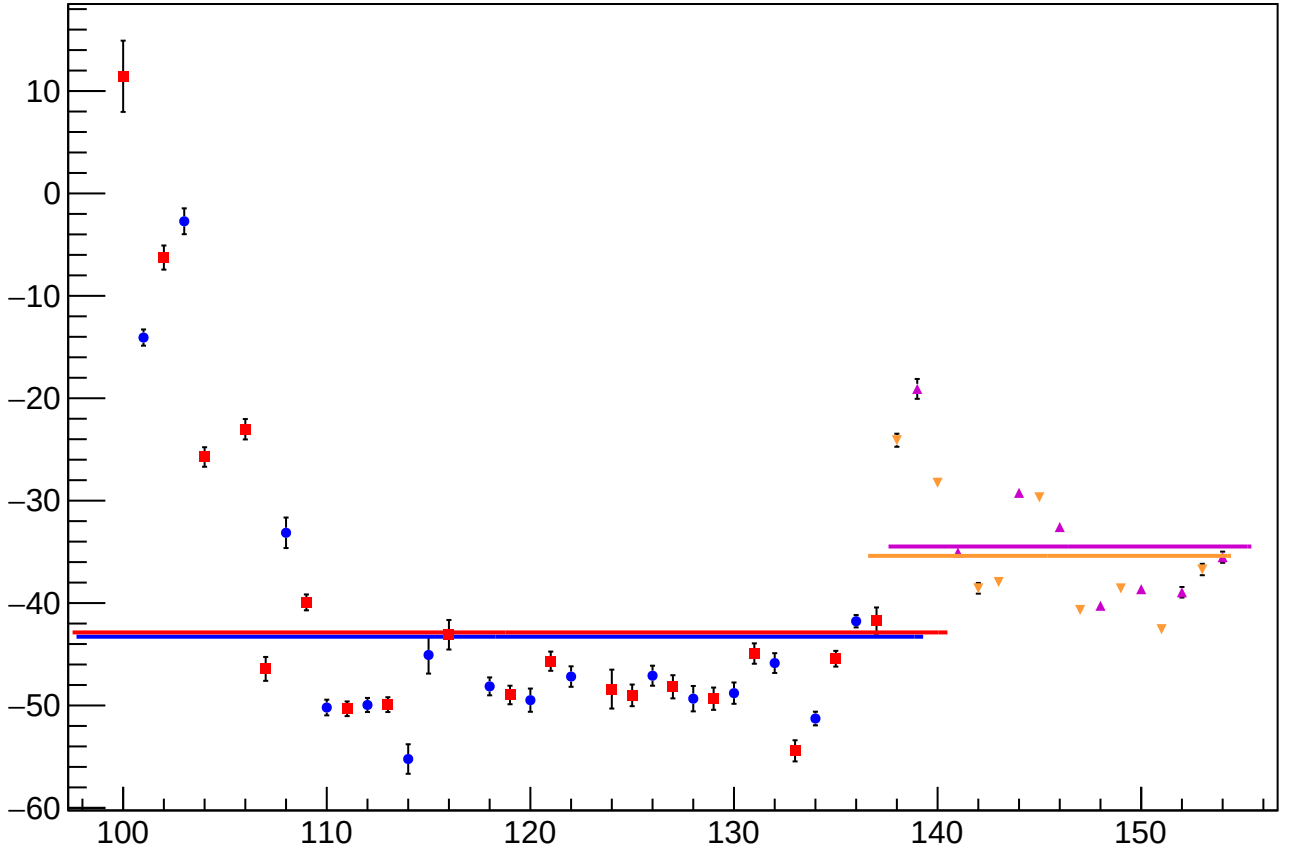
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 41.765+/-0.134 χ^2/NDF:3956.4/23

Out: 40.790+/-0.132 χ^2/NDF:4000.7/27

All: 41.267+/-0.094 χ^2/NDF: 7984.0/51

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: -34.477+/-0.145 χ^2/NDF:953.0/7

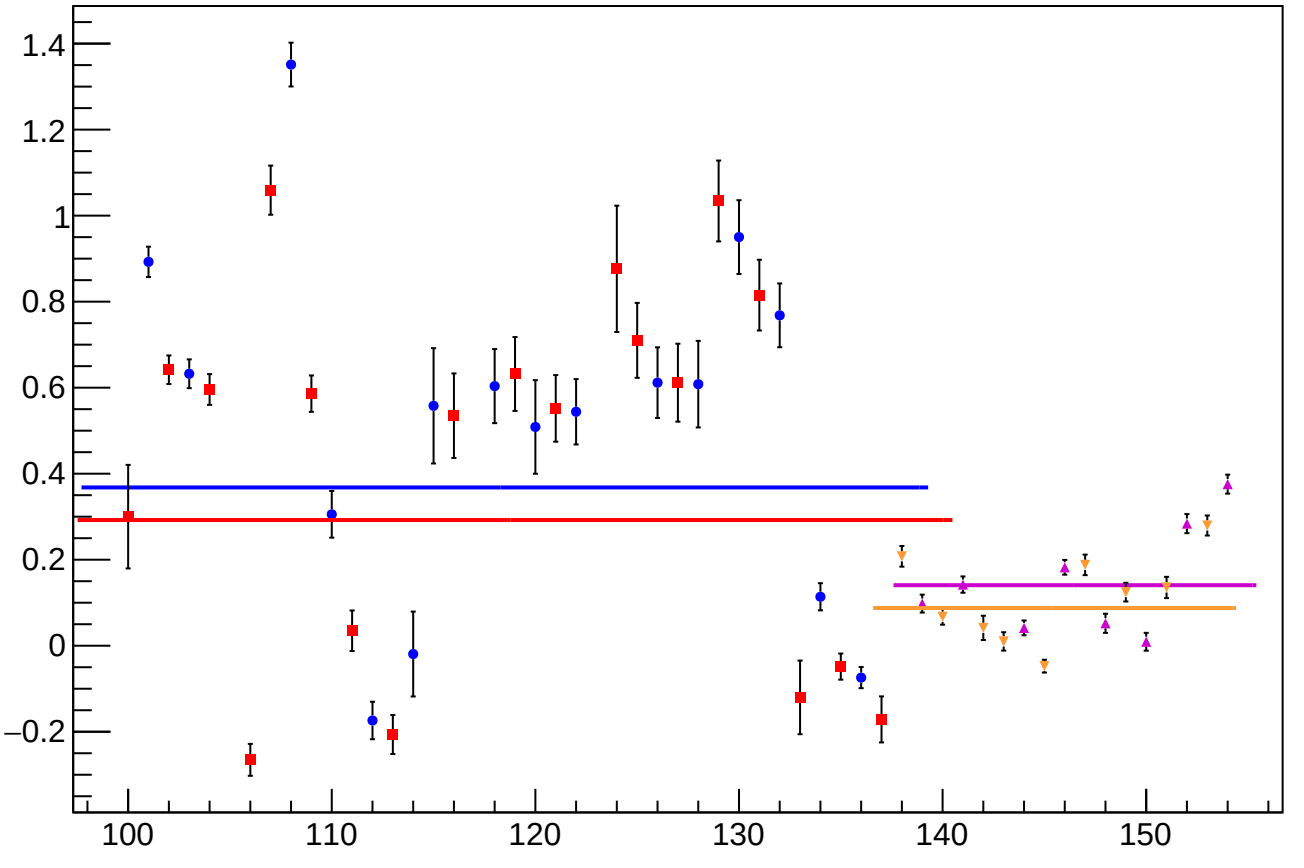
Left: -34.933+/-0.103 χ^2/NDF: 2459.8/16

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -37.000+/-0.123 χ^2/NDF:4990.9/23

Out: -37.542+/-0.123 χ^2/NDF:4700.4/27

All: -37.270+/-0.087 χ^2/NDF: 9701.0/51



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: 0.141+/-0.007 χ^2/NDF:254.9/7

Left: 0.114+/-0.005 χ^2/NDF: 500.1/16

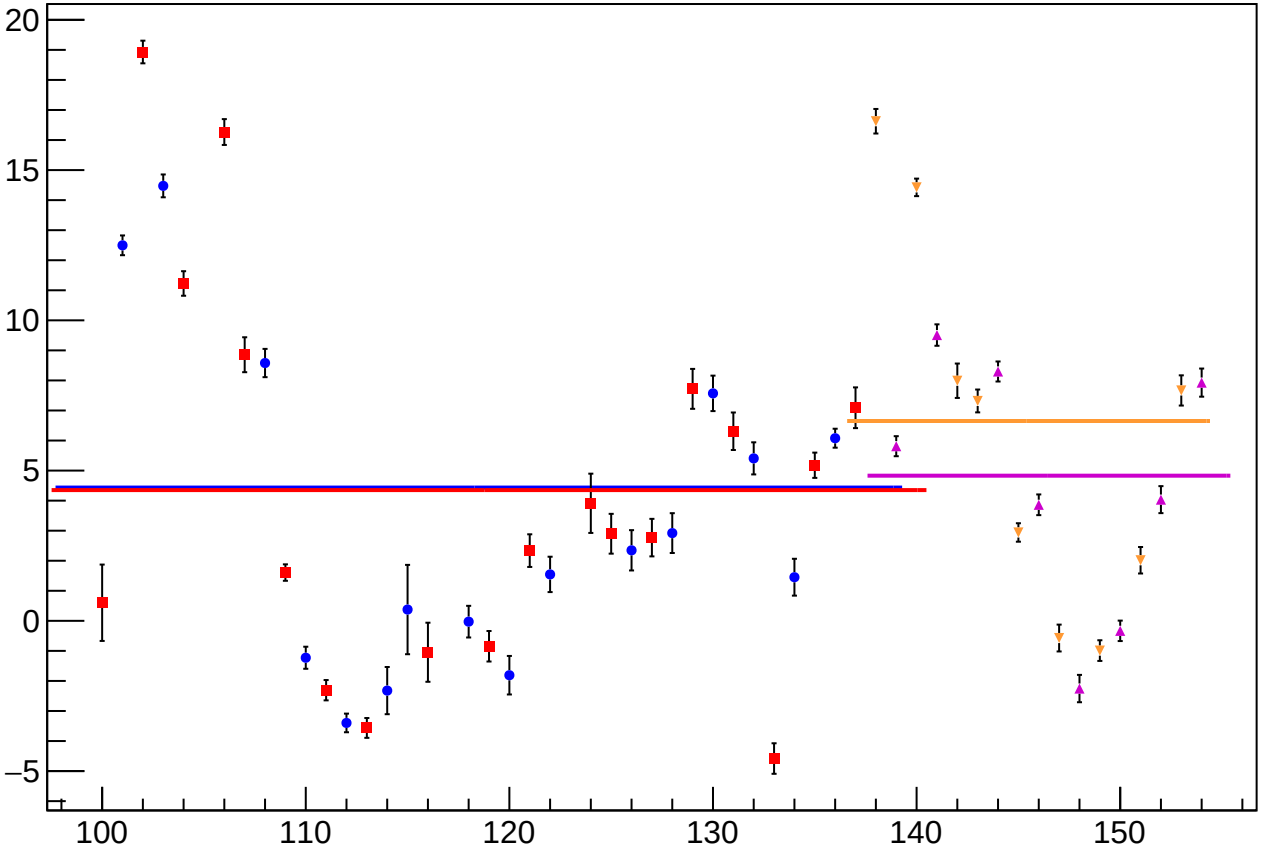
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.197+/-0.006 χ^2/NDF:1836.6/23

Out: 0.140+/-0.006 χ^2/NDF:1629.1/27

All: 0.169+/-0.004 χ^2/NDF: 3510.2/51

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: 4.831+/-0.132 χ^2/NDF:816.3/7

Left: 5.768+/-0.092 χ^2/NDF: 3244.7/16

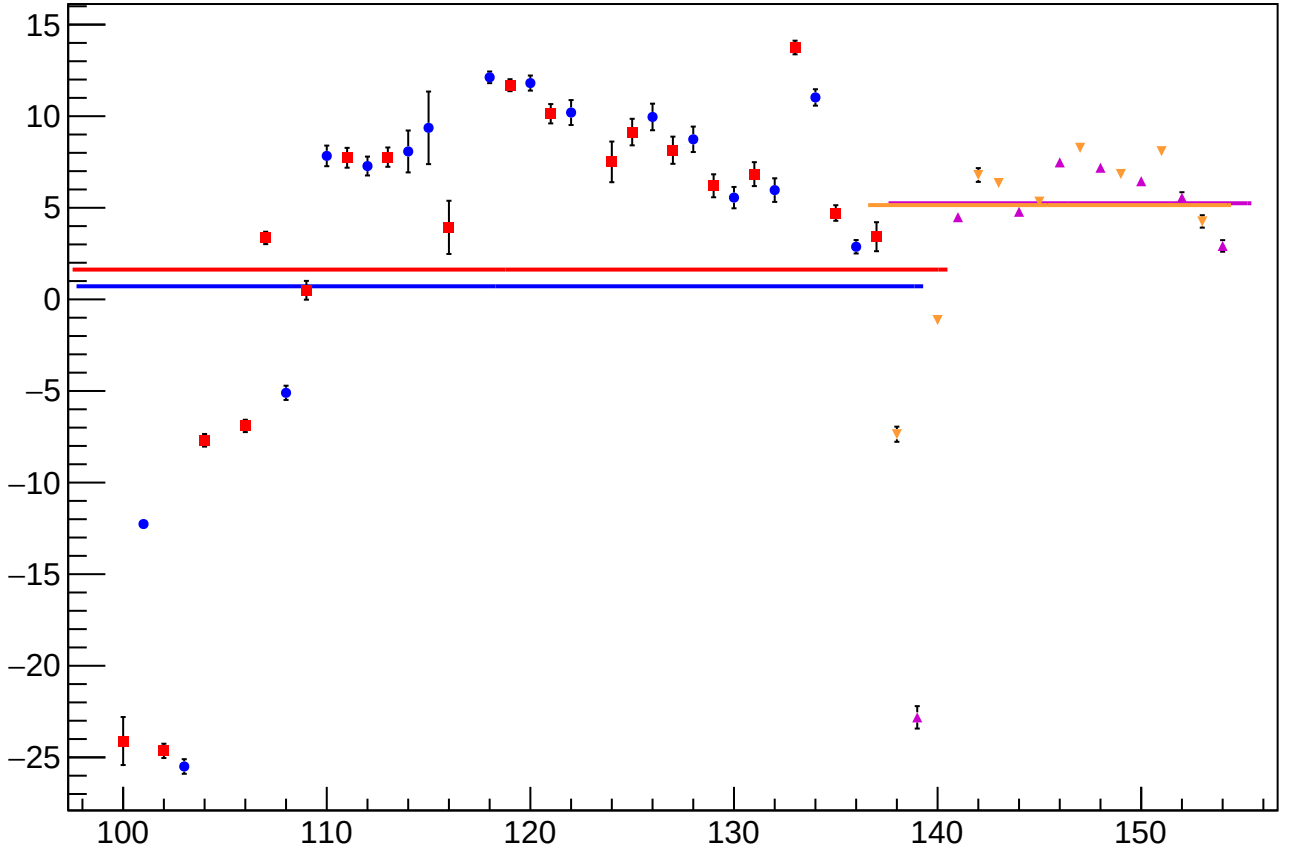
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.609+/-0.088 χ^2/NDF:3443.3/23

Out: 5.317+/-0.083 χ^2/NDF:6722.6/27

All: 4.982+/-0.060 χ^2/NDF: 10200.4/51

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.147+/-0.089 χ^2/NDF:2044.2/8

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.247+/-0.092 χ^2/NDF:2389.7/7

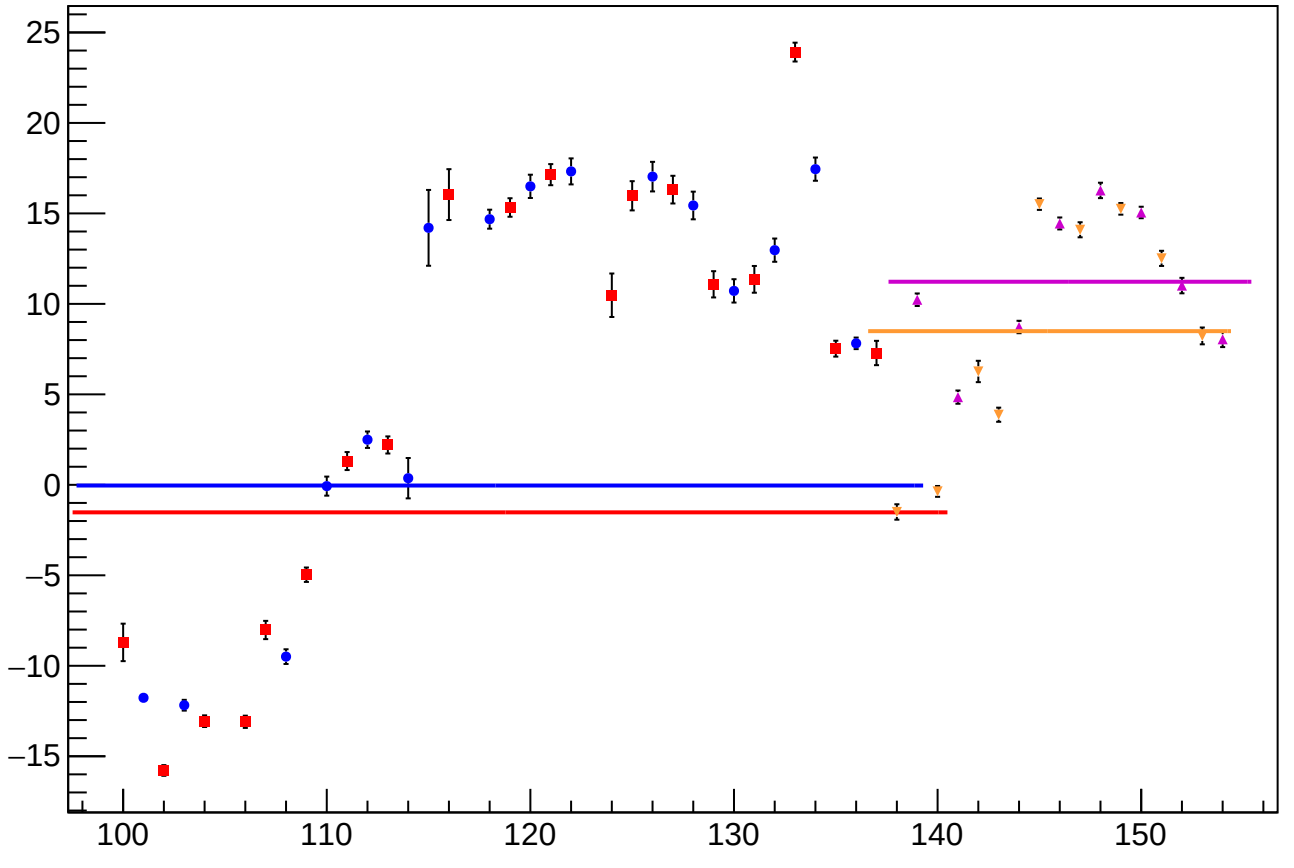
Left: 5.195+/-0.064 χ^2/NDF: 4434.5/16

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.486+/-0.072 χ^2/NDF:13778.3/23

Out: 3.774+/-0.069 χ^2/NDF:11912.7/27

All: 3.636+/-0.050 χ^2/NDF: 25699.3/51



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: 11.224+/-0.130 χ^2/NDF:798.2/7

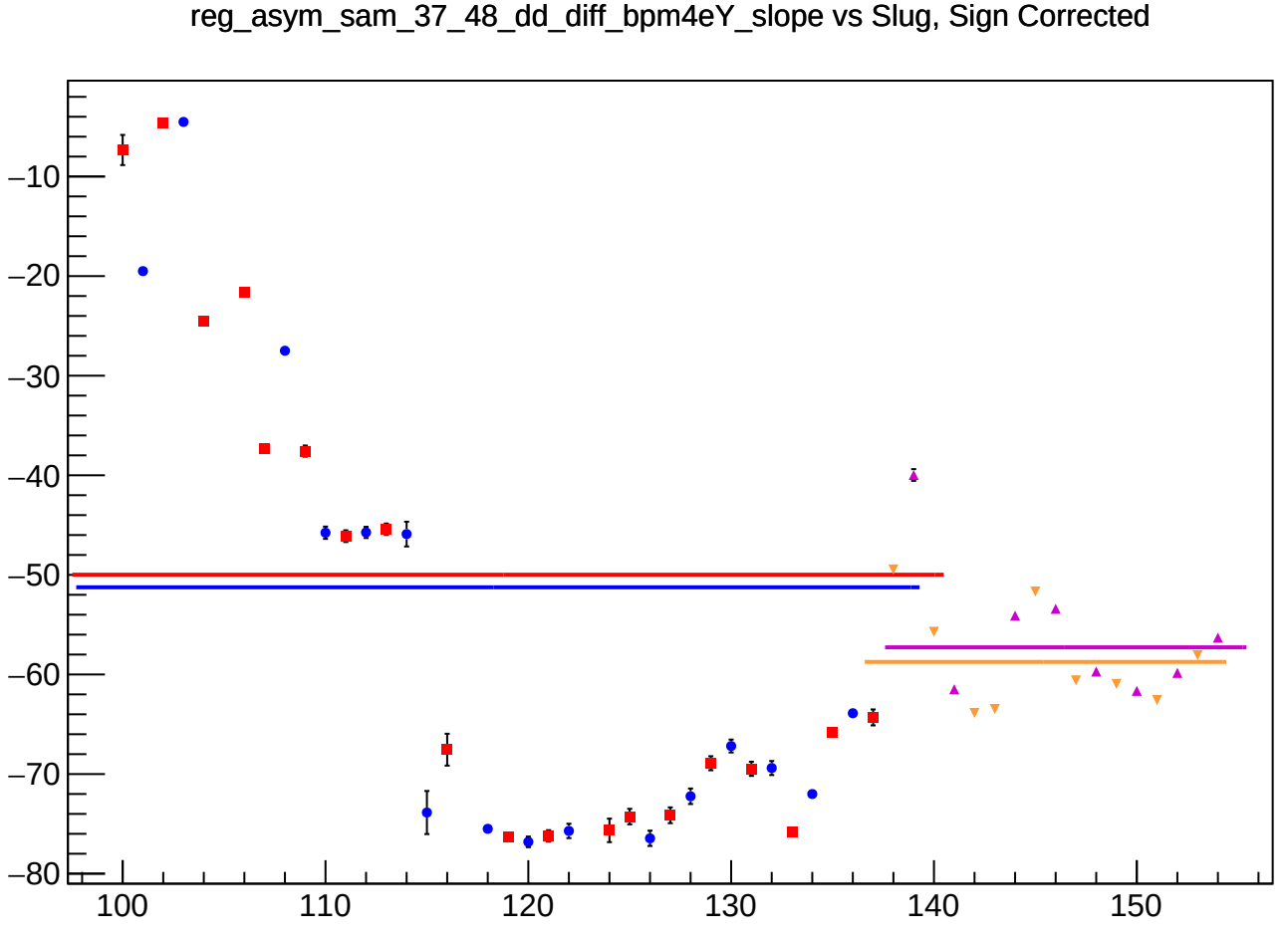
Left: 9.832+/-0.091 χ^2/NDF: 3810.0/16

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.131+/-0.088 χ^2/NDF:14158.5/23

Out: 2.988+/-0.085 χ^2/NDF:18325.2/27

All: 4.029+/-0.061 χ^2/NDF: 32789.9/51



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.737+/-0.108 χ^2/NDF:1687.0/8

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -57.275+/-0.111 χ^2/NDF:1790.0/7

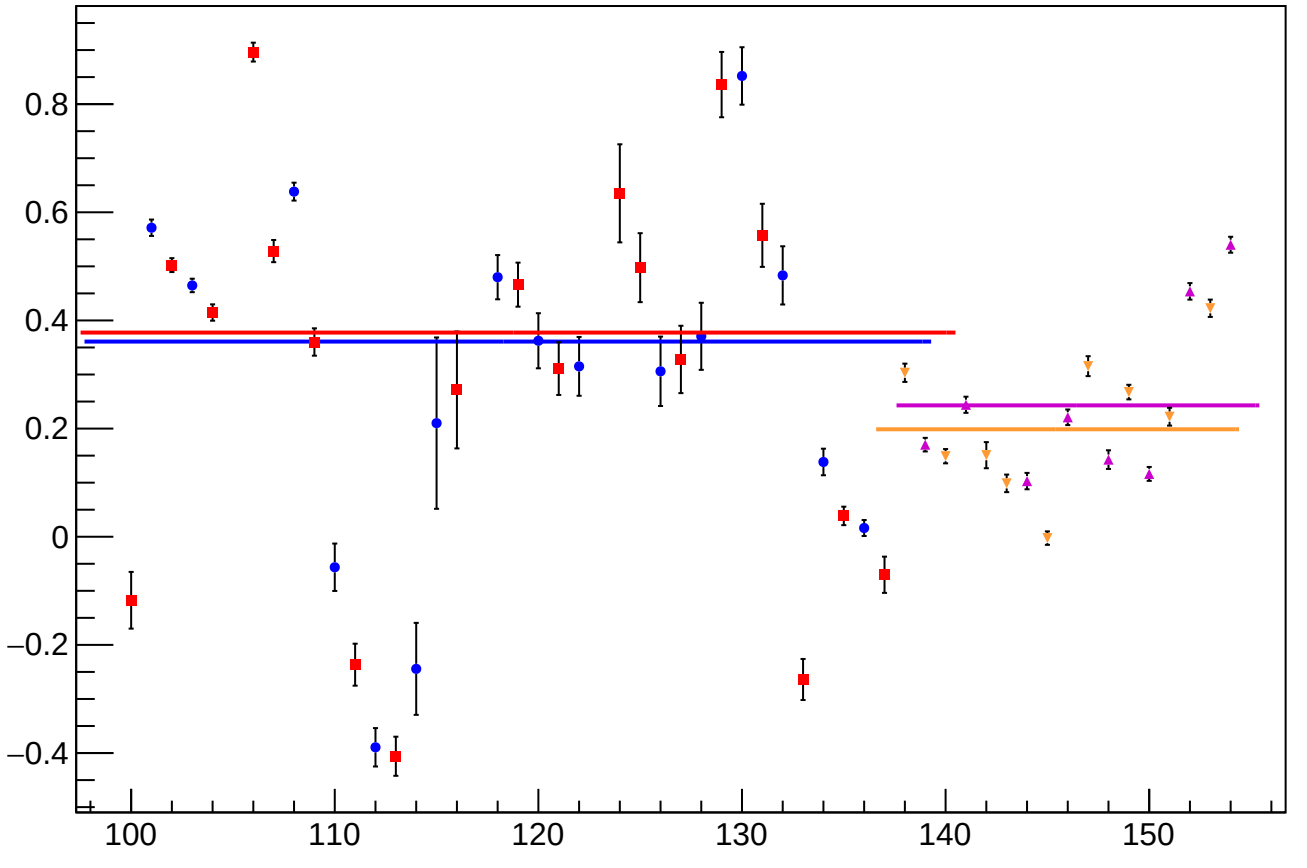
Left: -58.029+/-0.077 χ^2/NDF: 3566.0/16

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -54.852+/-0.086 χ^2/NDF:36734.7/23

Out: -55.189+/-0.083 χ^2/NDF:38248.1/27

All: -55.026+/-0.060 χ^2/NDF: 74990.8/51



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: 0.243+/-0.005 χ^2/NDF:849.0/7

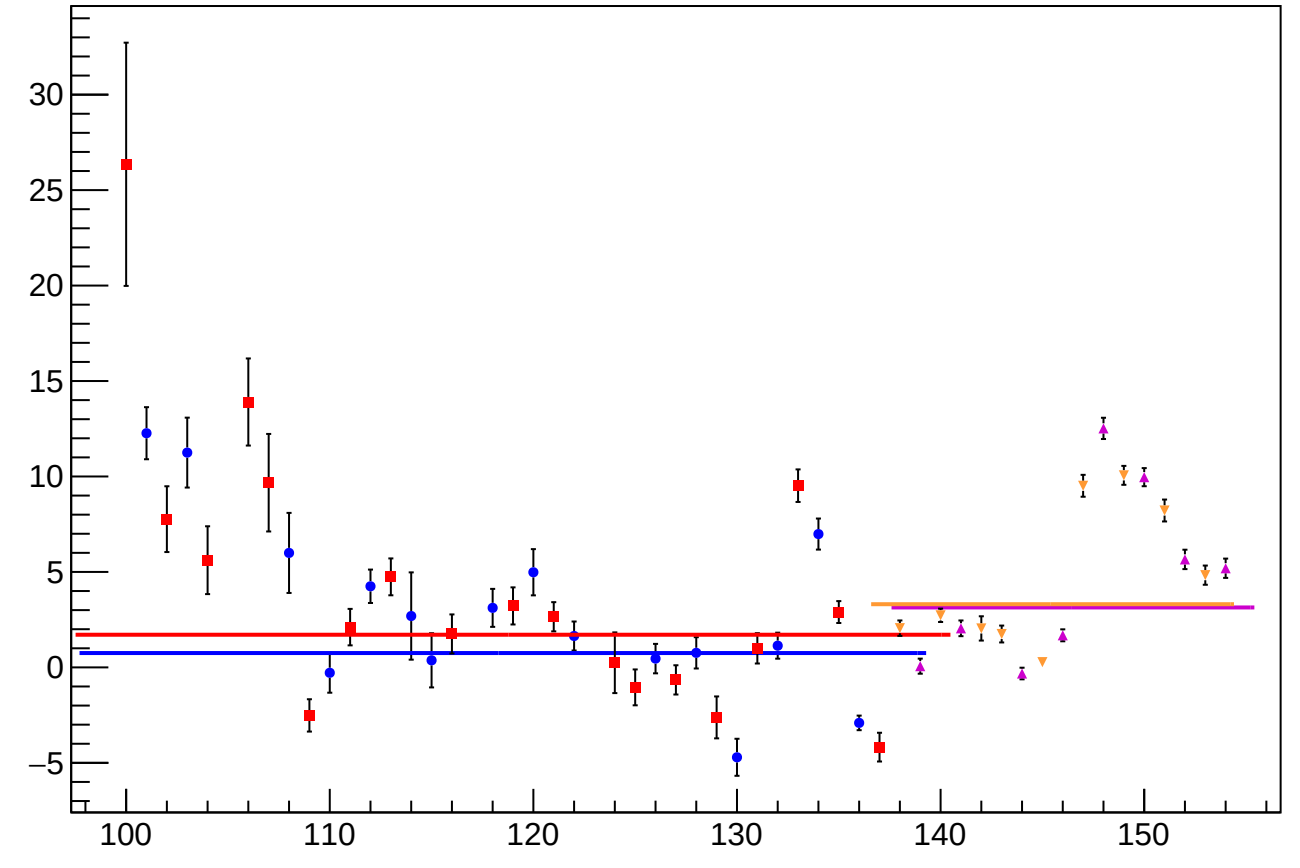
Left: 0.221+/-0.004 χ^2/NDF: 1503.5/16

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

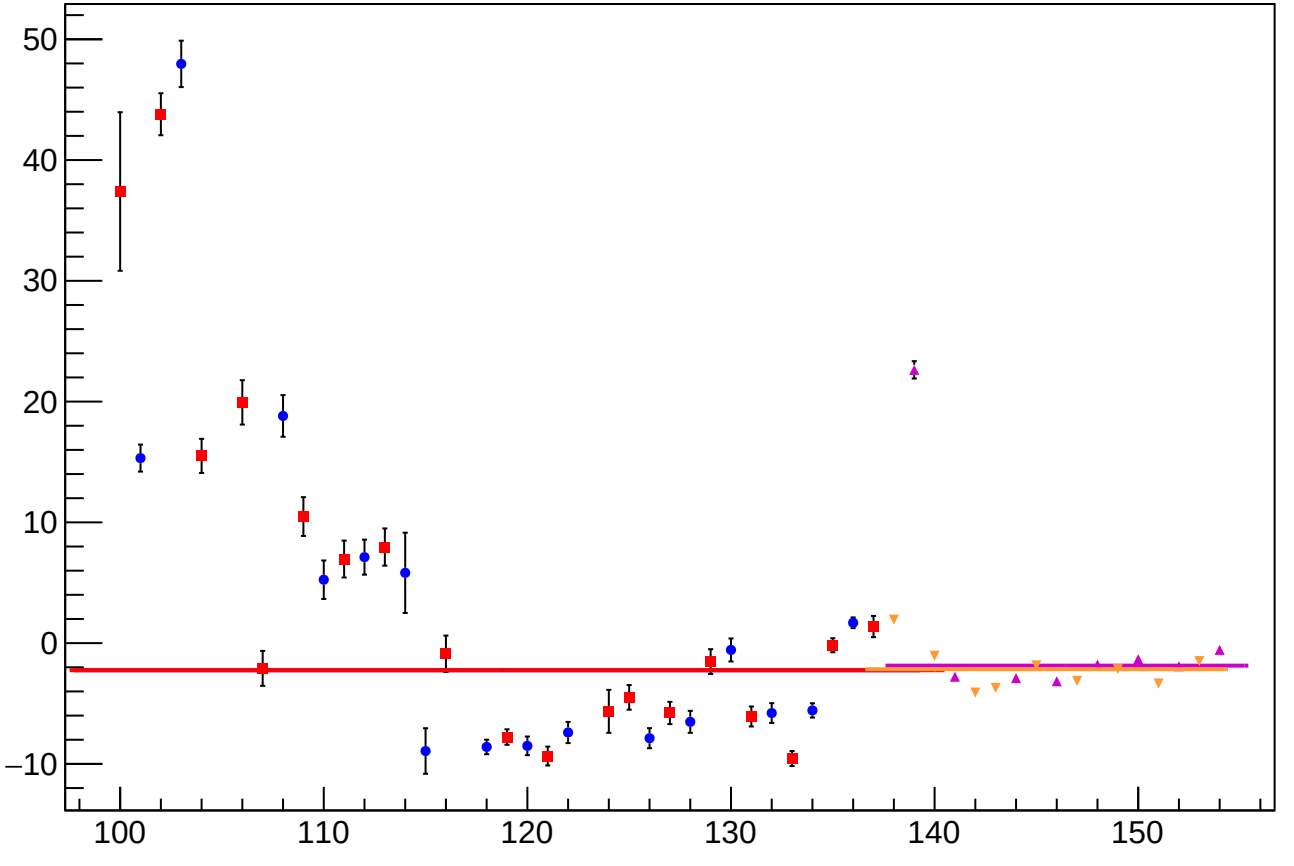
In: 0.289+/-0.004 χ^2/NDF:2917.9/23

Out: 0.274+/-0.004 χ^2/NDF:3905.9/27

All: 0.281+/-0.003 χ^2/NDF: 6831.6/51


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 0.752+/-0.212 χ²/NDF: 330.1/15
Left Out: 3.309+/-0.141 χ²/NDF:546.5/8
Right Out: 1.710+/-0.223 χ²/NDF: 293.8/18
Left In: 3.139+/-0.143 χ²/NDF:750.5/7
Left: 3.226+/-0.100 χ²/NDF: 1297.8/16
Right: 1.208+/-0.154 χ²/NDF: 633.6/34
In: 2.393+/-0.119 χ²/NDF:1167.5/23
Out: 2.853+/-0.119 χ²/NDF:877.2/27
All: 2.622+/-0.084 χ²/NDF: 2052.1/51

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: -1.864+/-0.099 χ^2/NDF:1256.8/7

Left: -2.011+/-0.071 χ^2/NDF: 1462.2/16

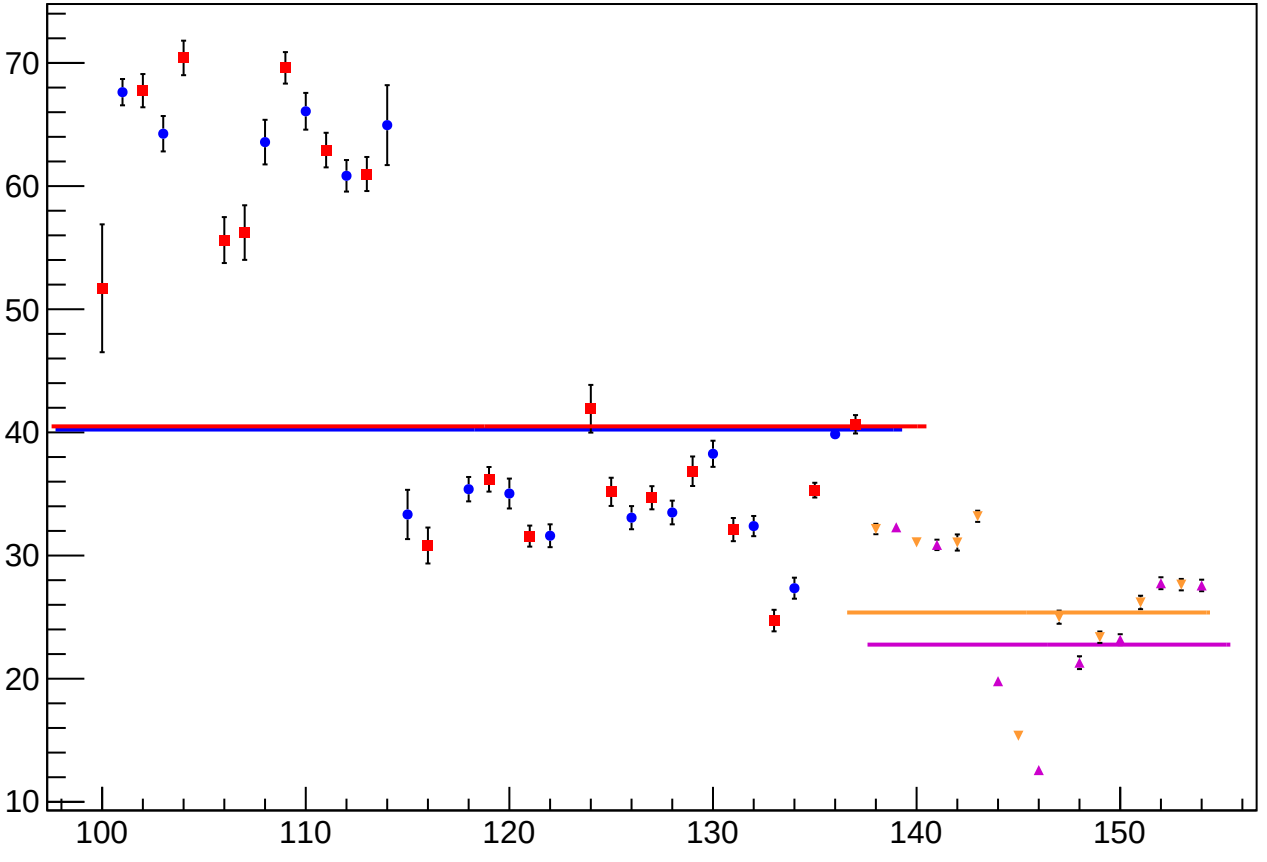
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -1.931+/-0.090 χ^2/NDF:2831.8/23

Out: -2.174+/-0.092 χ^2/NDF:1756.8/27

All: -2.050+/-0.064 χ^2/NDF: 4592.2/51

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: 22.767+/-0.141 χ^2/NDF:2355.7/7

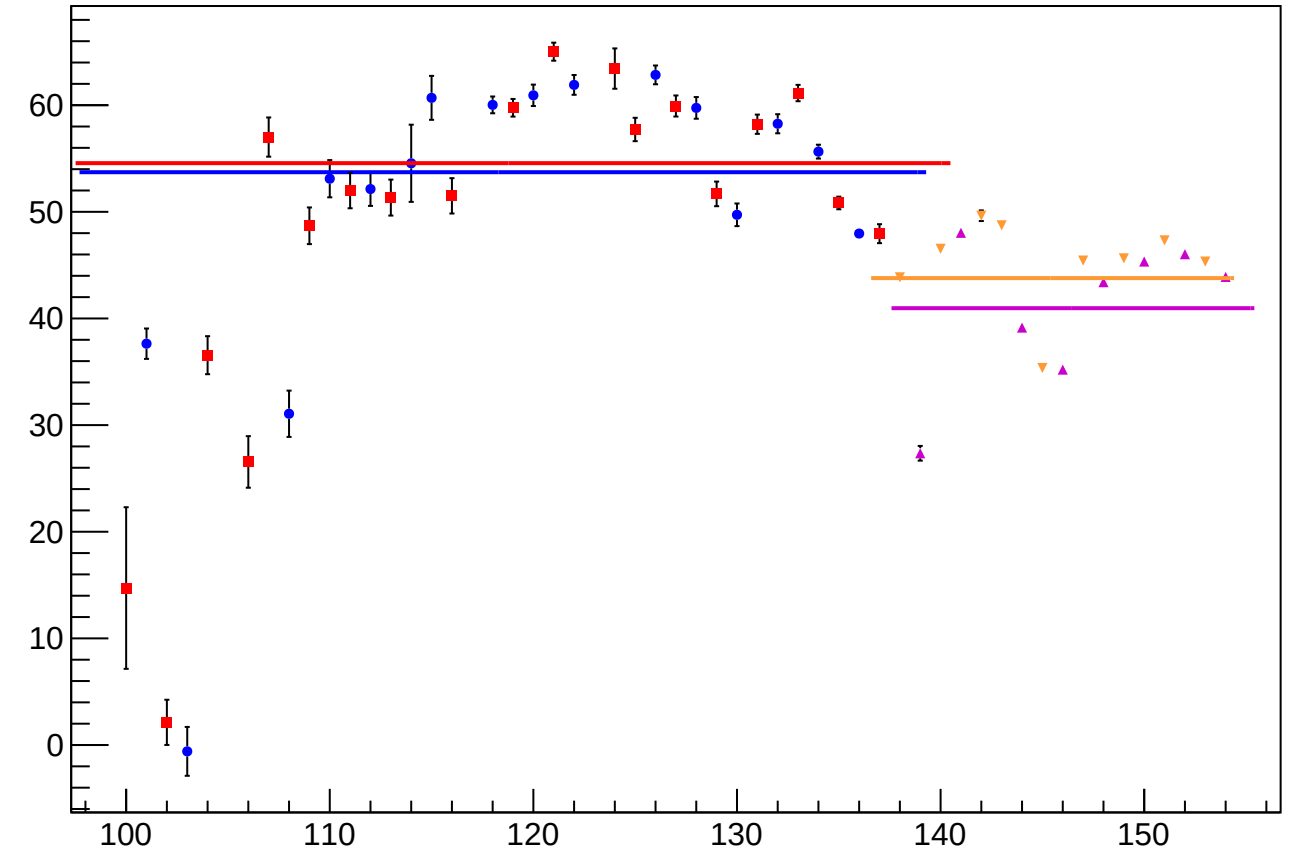
Left: 24.070+/-0.100 χ^2/NDF: 4806.9/16

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.498+/-0.120 χ^2/NDF:8798.9/23

Out: 29.021+/-0.123 χ^2/NDF:7742.4/27

All: 28.244+/-0.086 χ^2/NDF: 16619.6/51



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: 40.964+/-0.120 χ^2/NDF:1816.9/7

Left: 42.360+/-0.085 χ^2/NDF: 3769.2/16

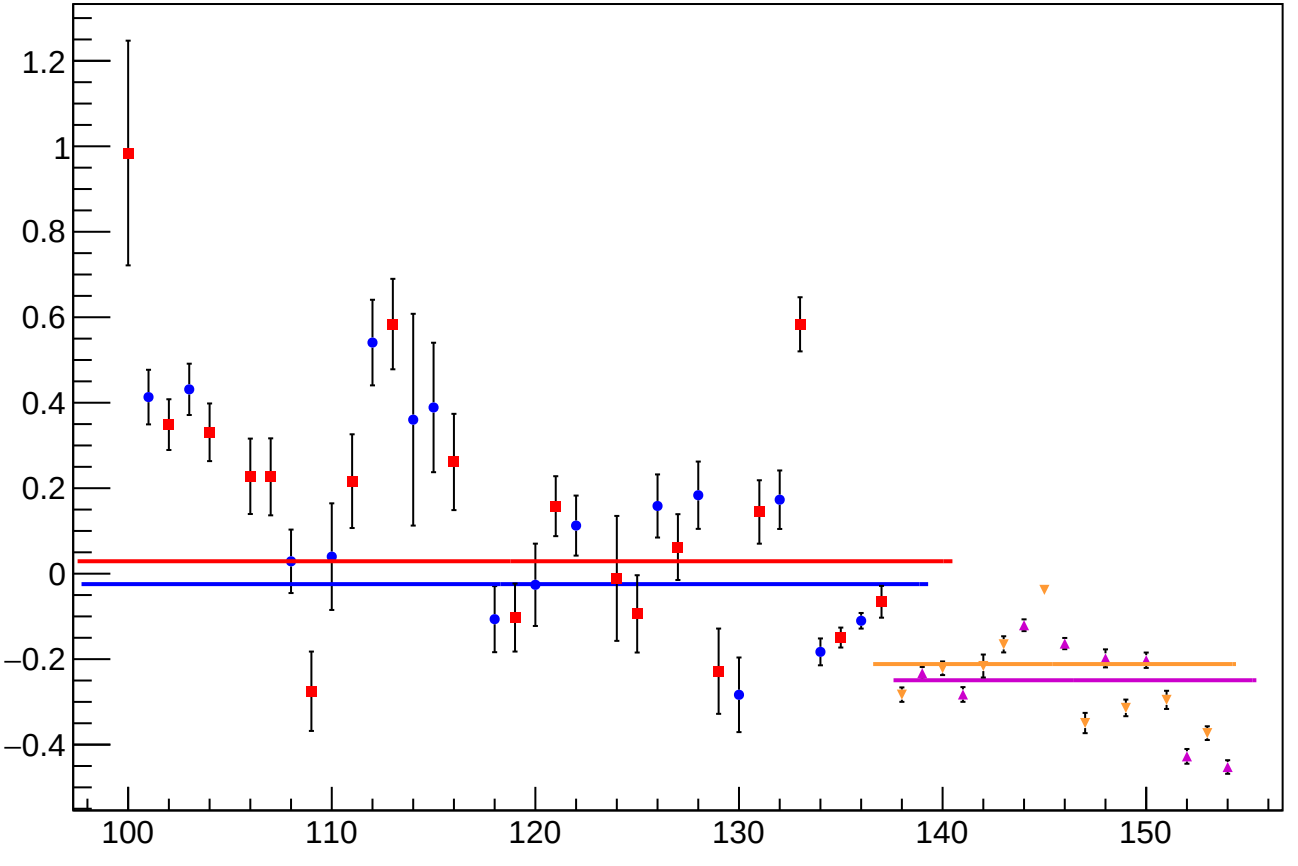
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.530+/-0.107 χ^2/NDF:5453.1/23

Out: 45.758+/-0.110 χ^2/NDF:4468.6/27

All: 44.620+/-0.077 χ^2/NDF: 10132.9/51

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.211+/-0.006 χ^2/NDF:462.2/8

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.249+/-0.006 χ^2/NDF:416.7/7

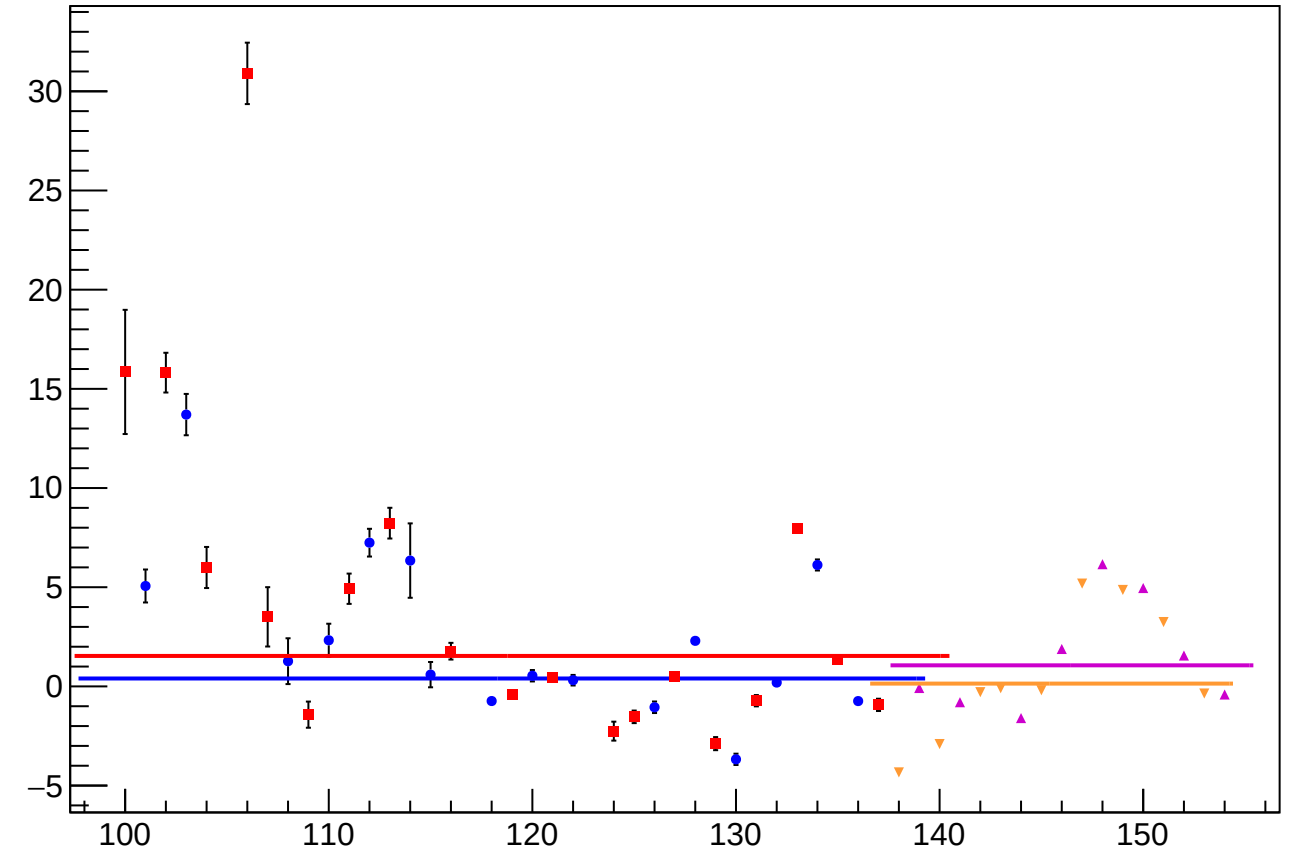
Left: -0.231+/-0.004 χ^2/NDF: 901.3/16

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.213+/-0.005 χ^2/NDF:905.2/23

Out: -0.178+/-0.005 χ^2/NDF:984.3/27

All: -0.196+/-0.004 χ^2/NDF: 1911.7/51



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: 1.062+/-0.051 χ^2/NDF:2320.2/7

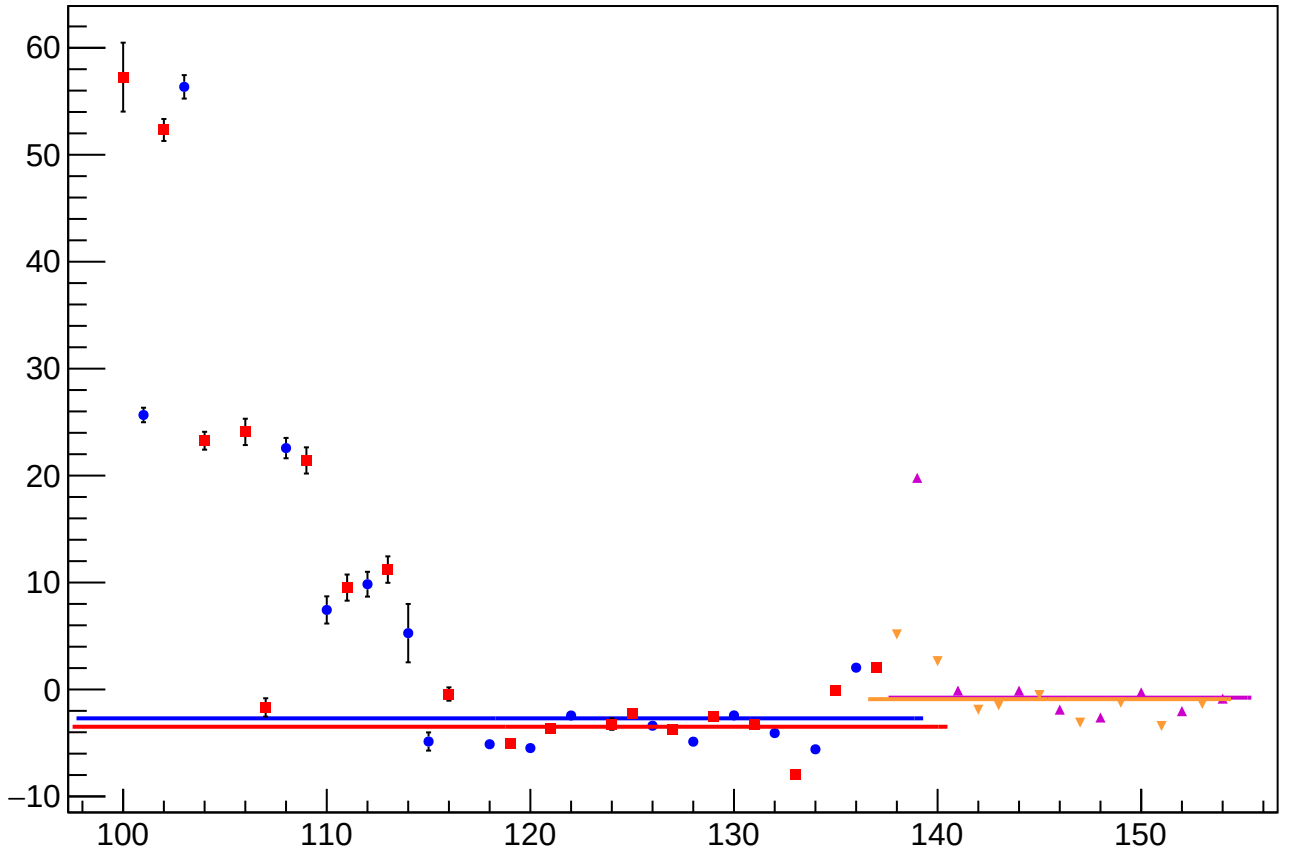
Left: 0.604+/-0.036 χ^2/NDF: 5725.0/16

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.860+/-0.043 χ^2/NDF:3469.1/23

Out: 0.560+/-0.043 χ^2/NDF:5876.2/27

All: 0.711+/-0.030 χ^2/NDF: 9370.1/51



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: -0.765+/-0.036 χ^2/NDF:7405.3/7

Left: -0.833+/-0.025 χ^2/NDF: 11095.2/16

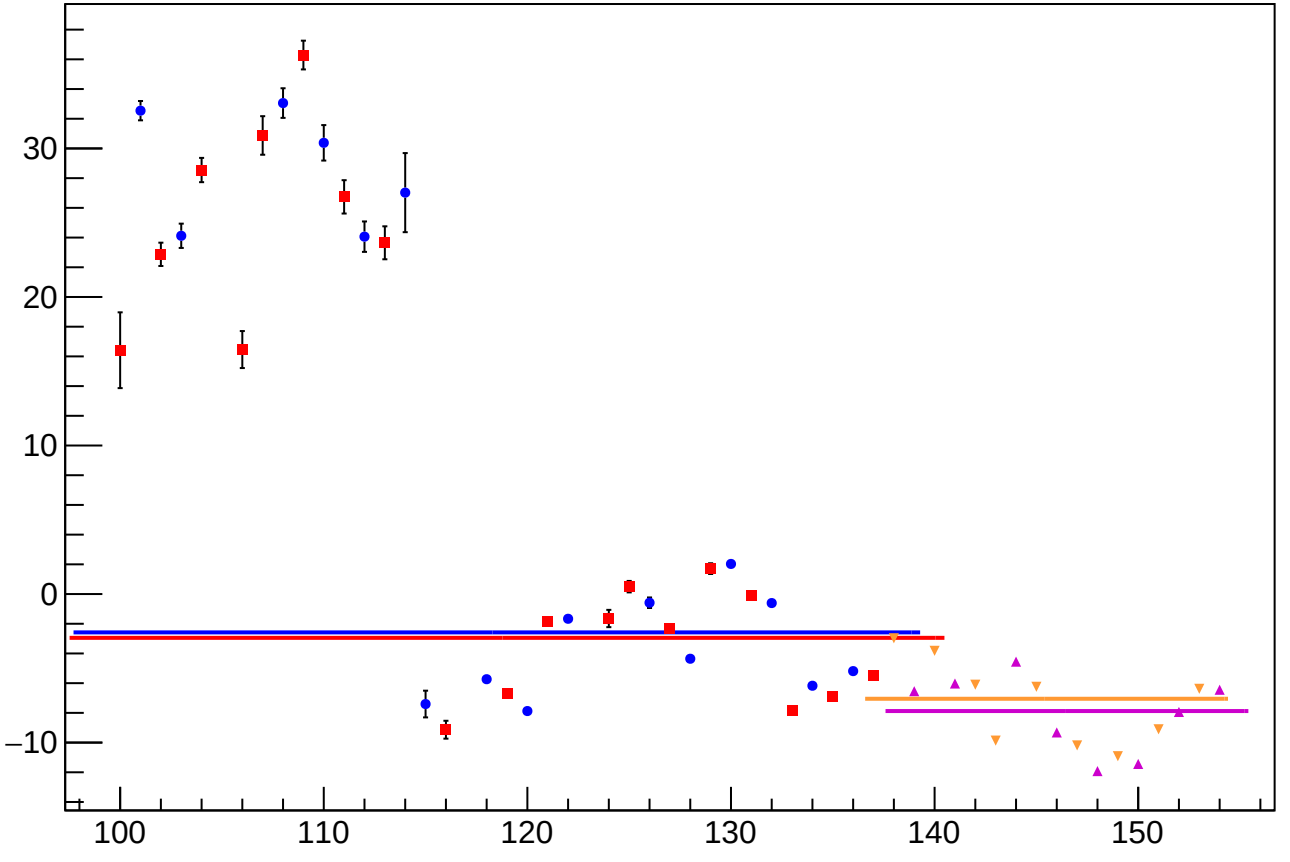
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.155+/-0.032 χ^2/NDF:15105.9/23

Out: -1.442+/-0.032 χ^2/NDF:11892.4/27

All: -1.296+/-0.023 χ^2/NDF: 27038.4/51

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: -7.877+/-0.050 χ^2/NDF:2496.1/7

Left: -7.471+/-0.036 χ^2/NDF: 5370.2/16

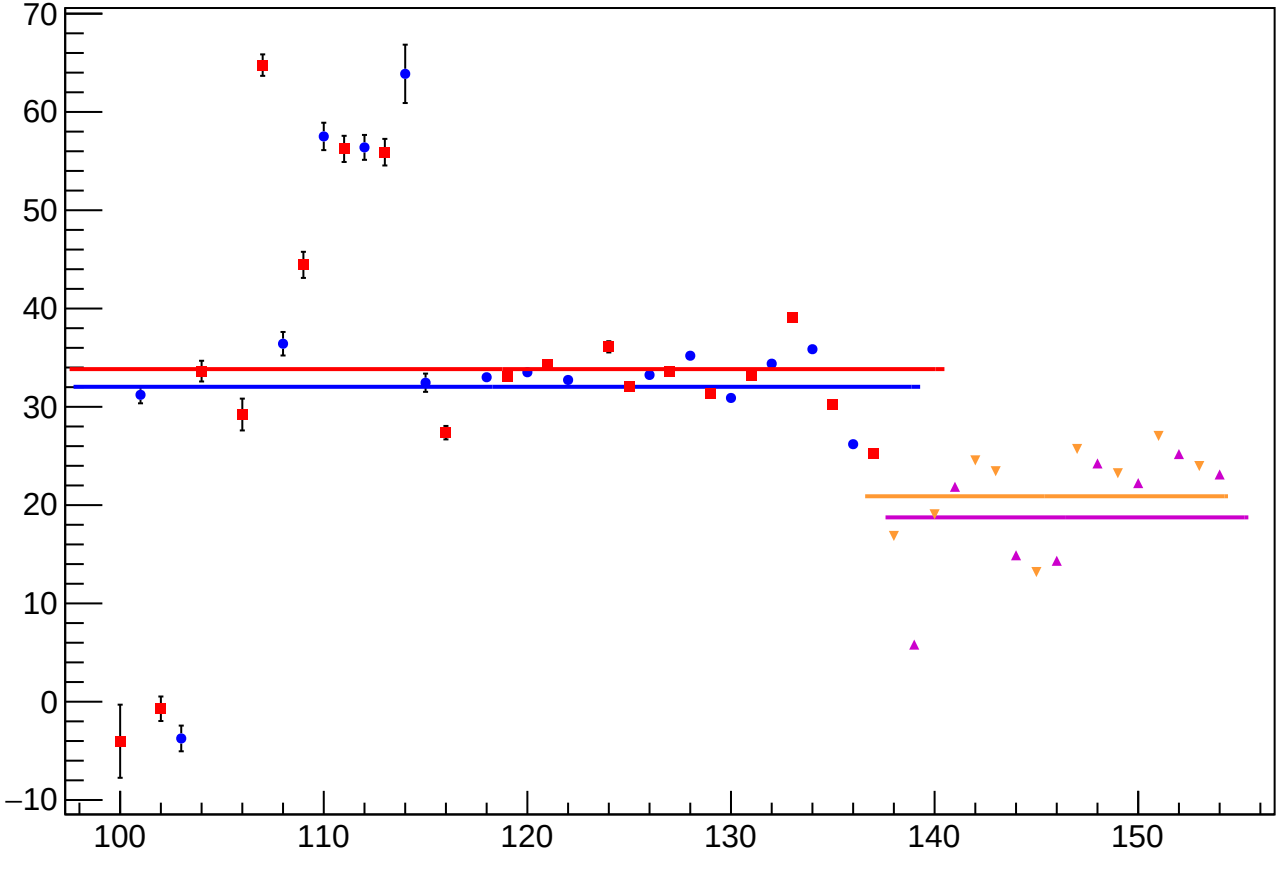
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.462+/-0.043 χ^2/NDF:13632.5/23

Out: -5.960+/-0.044 χ^2/NDF:12649.5/27

All: -6.216+/-0.031 χ^2/NDF: 26349.1/51

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: 18.753+/-0.043 χ^2/NDF:12950.2/7

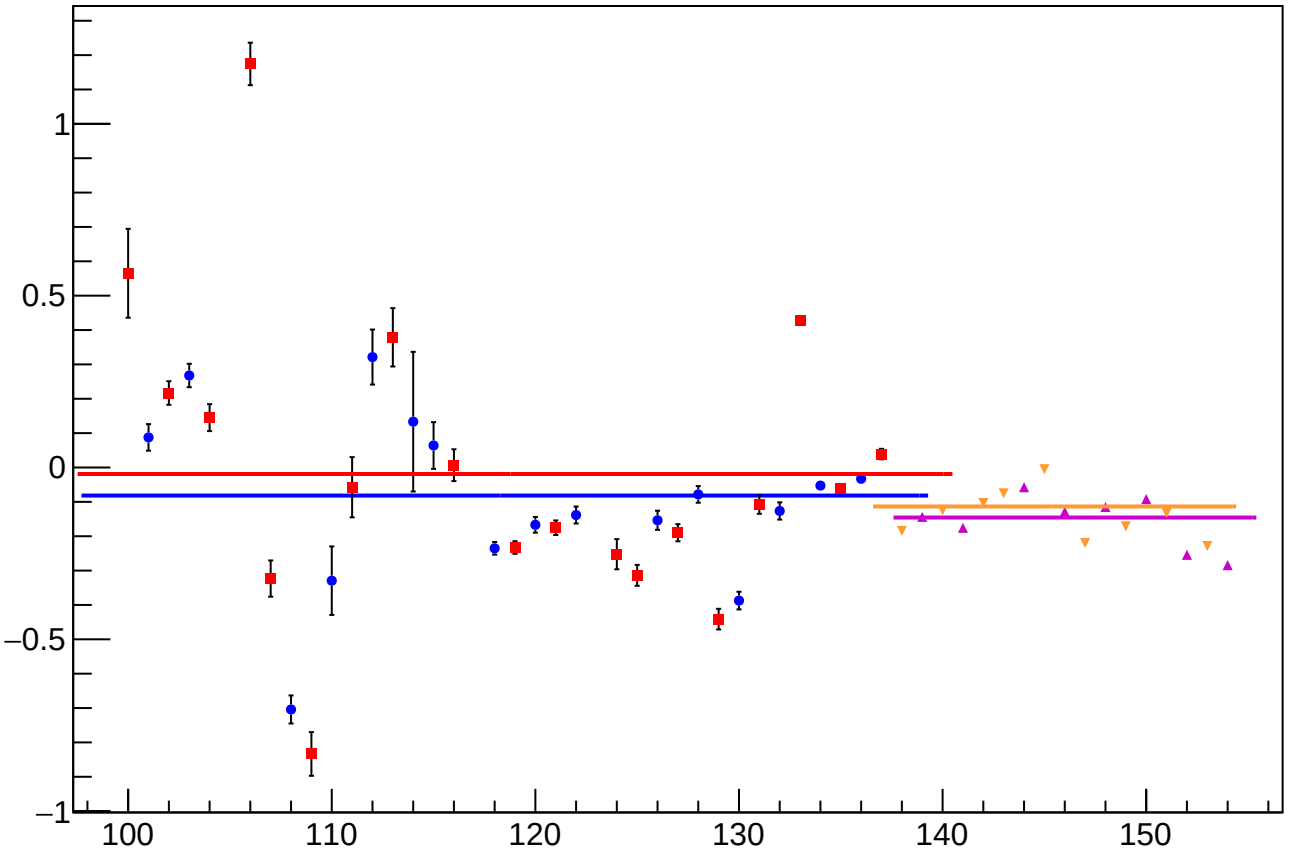
Left: 19.802+/-0.031 χ^2/NDF: 26843.3/16

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.641+/-0.038 χ^2/NDF:37109.2/23

Out: 23.796+/-0.039 χ^2/NDF:36403.1/27

All: 22.699+/-0.027 χ^2/NDF: 75098.7/51



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: -0.146+/-0.002 χ^2/NDF:1196.7/7

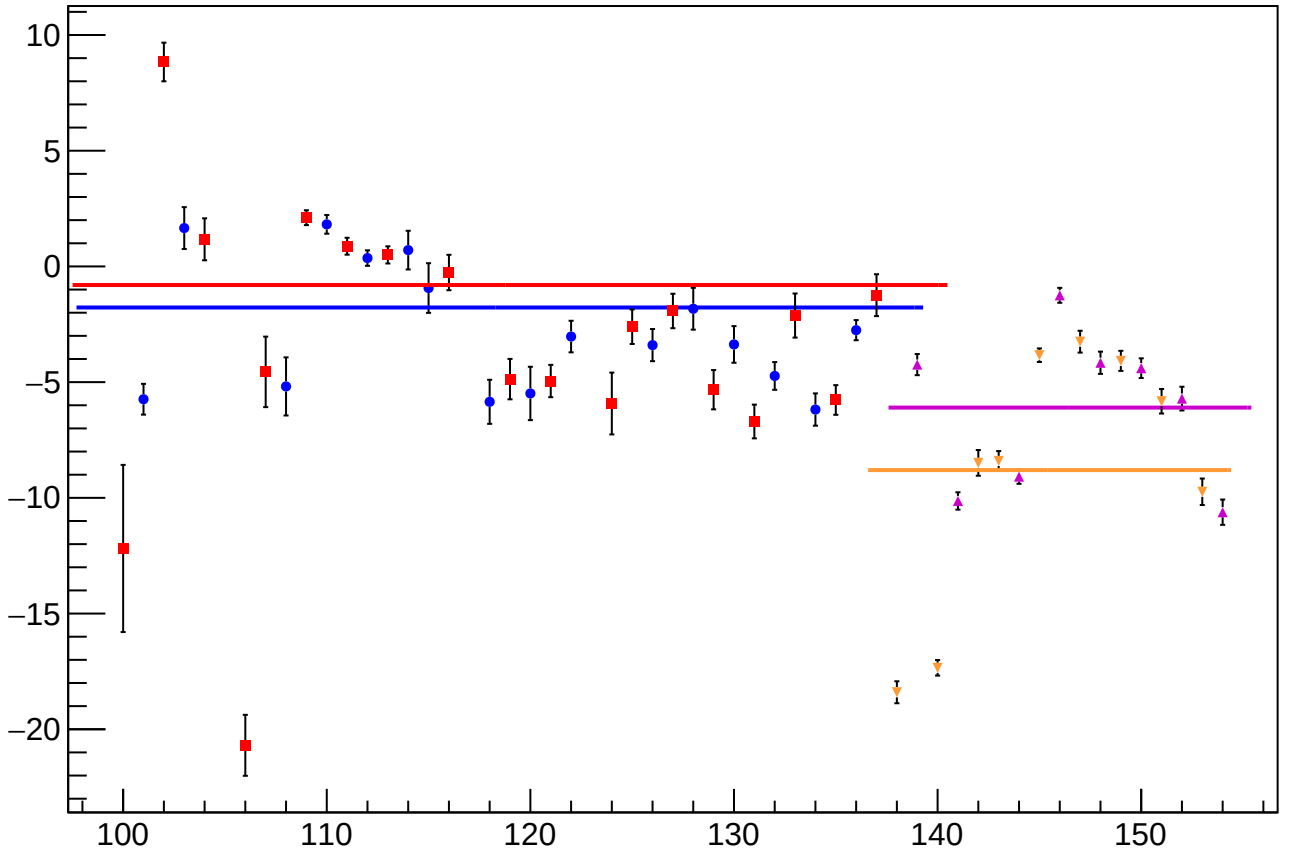
Left: -0.130+/-0.001 χ^2/NDF: 2760.6/16

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.136+/-0.002 χ^2/NDF:2035.3/23

Out: -0.100+/-0.002 χ^2/NDF:3997.6/27

All: -0.119+/-0.001 χ^2/NDF: 6211.5/51



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: -6.100+/-0.143 χ^2/NDF:552.1/7

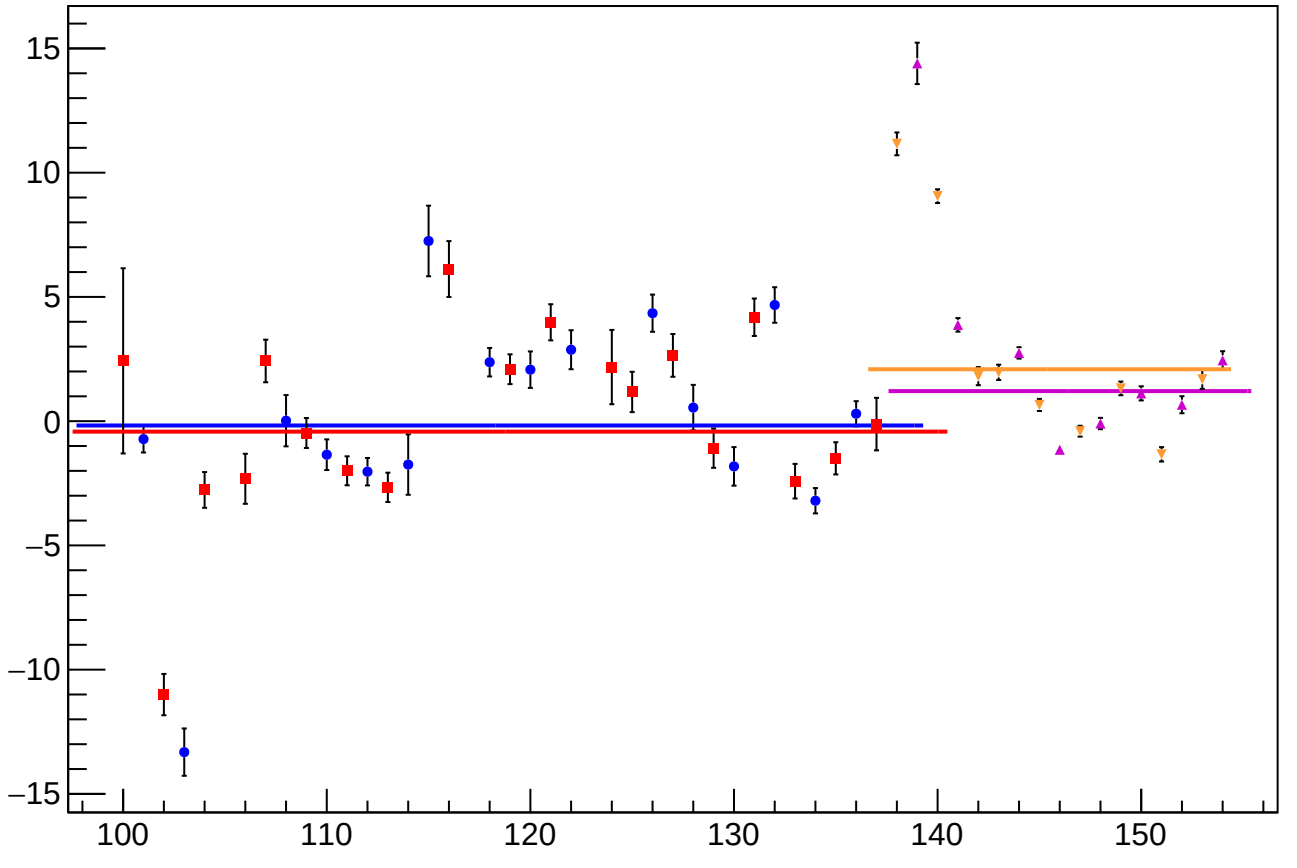
Left: -7.467+/-0.100 χ^2/NDF: 2369.0/16

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -4.141+/-0.106 χ^2/NDF:1264.3/23

Out: -4.996+/-0.102 χ^2/NDF:3894.6/27

All: -4.583+/-0.074 χ^2/NDF: 5192.7/51



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: 1.209+/-0.096 χ^2/NDF:585.3/7

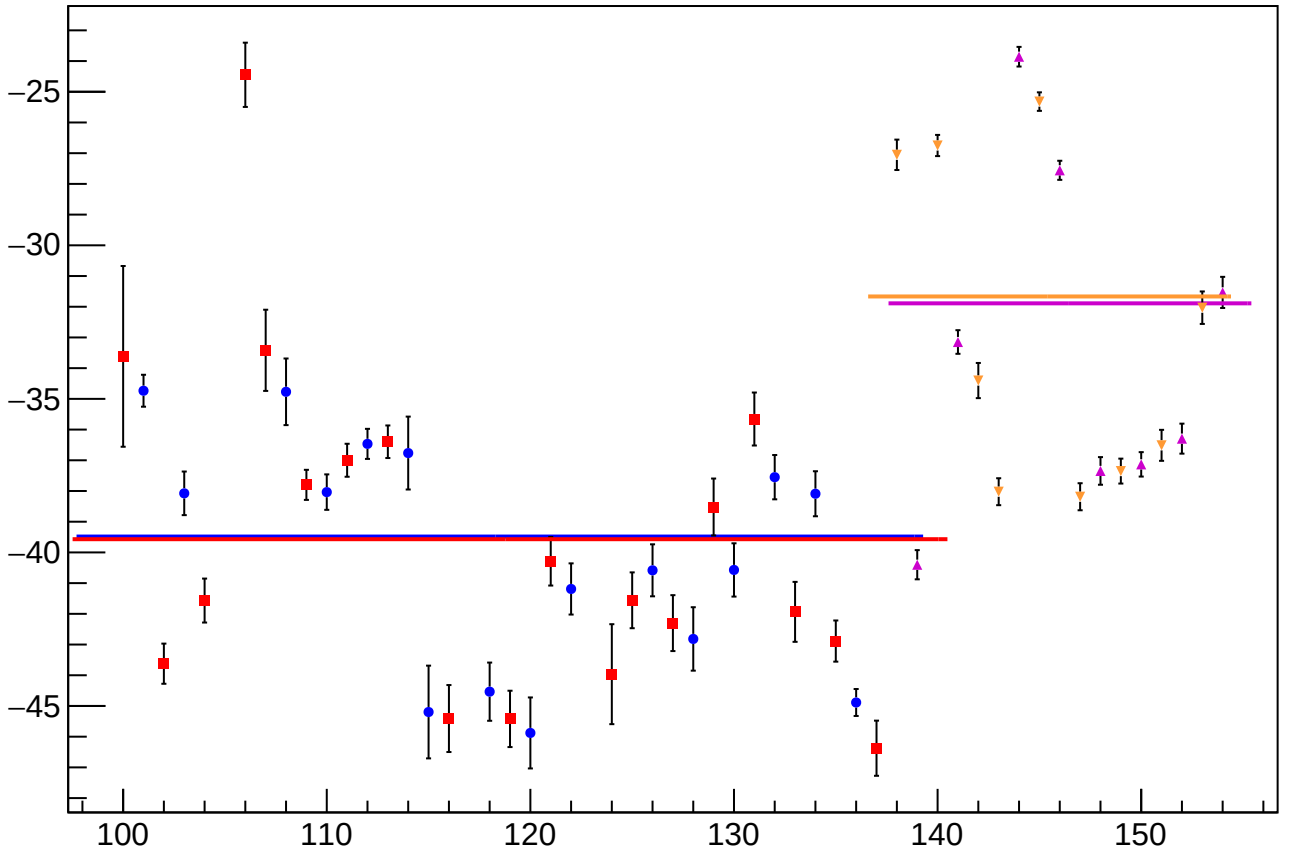
Left: 1.645+/-0.068 χ^2/NDF: 1966.9/16

Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.882+/-0.084 χ^2/NDF:1037.3/23

Out: 1.509+/-0.085 χ^2/NDF:1860.8/27

All: 1.191+/-0.060 χ^2/NDF: 2925.4/51



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: -31.889+/-0.140 χ^2/NDF:1559.0/7

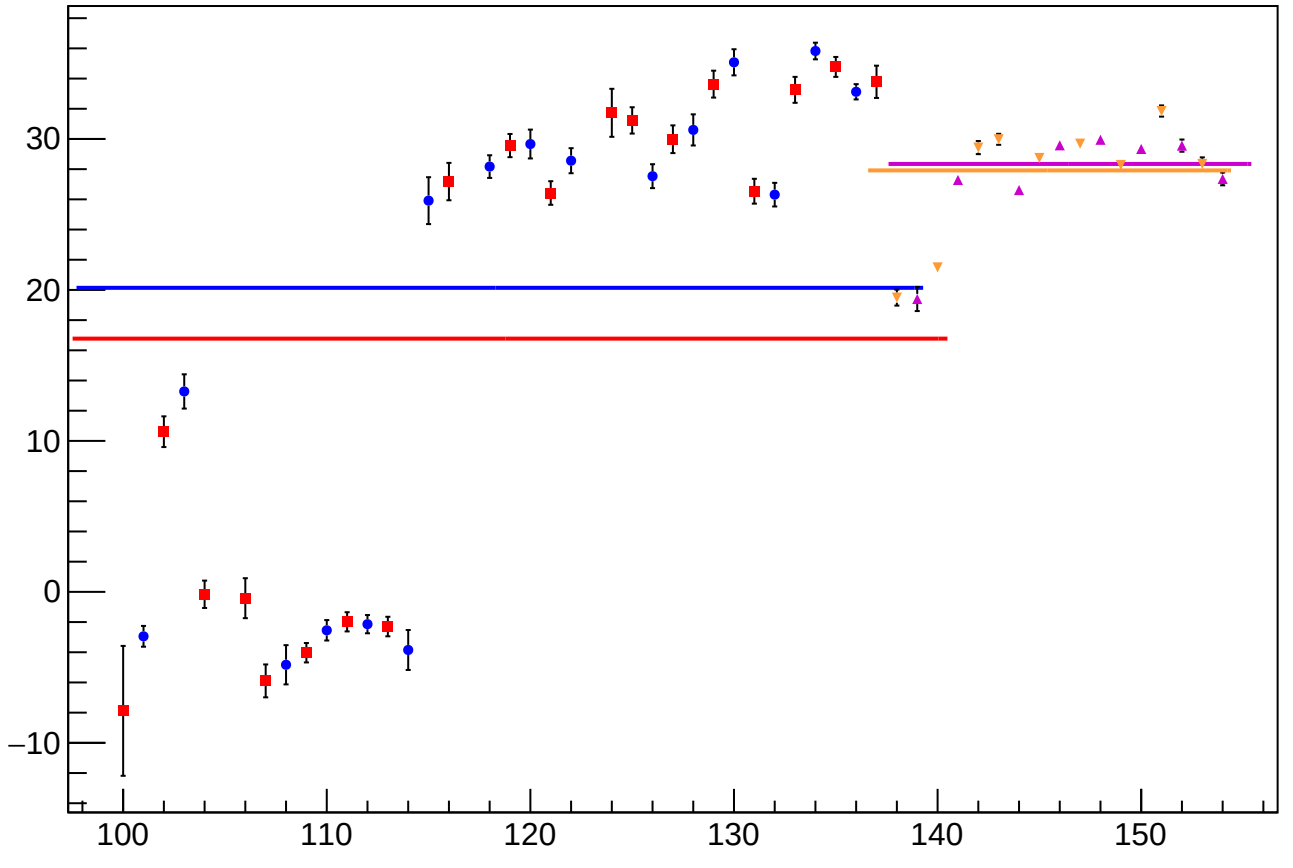
Left: -31.778+/-0.099 χ^2/NDF: 3034.9/16

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.760+/-0.111 χ^2/NDF:3072.8/23

Out: -34.645+/-0.111 χ^2/NDF:3216.7/27

All: -34.702+/-0.078 χ^2/NDF: 6290.0/51



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: 28.346+/-0.117 χ^2/NDF:252.3/7

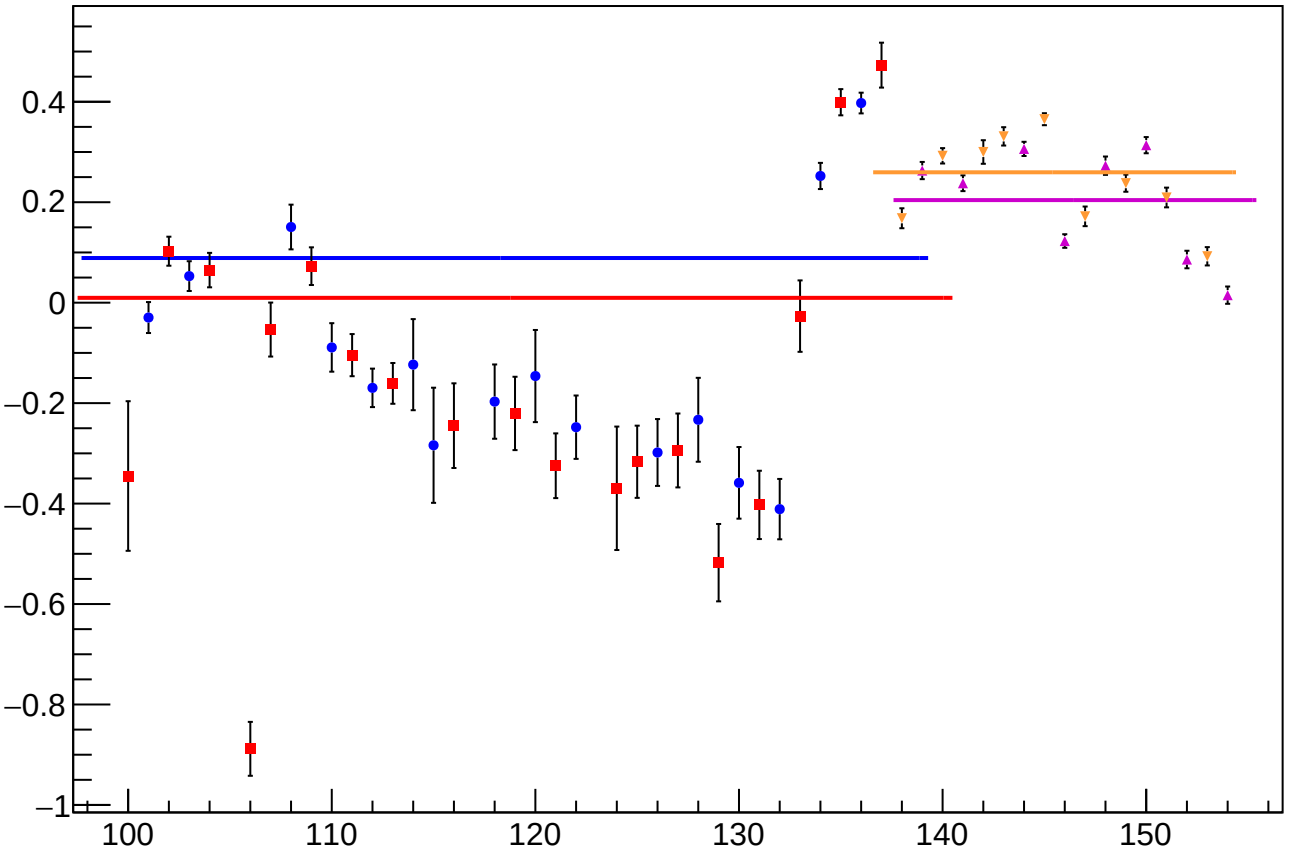
Left: 28.134+/-0.083 χ^2/NDF: 1088.6/16

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.163+/-0.100 χ^2/NDF:8240.6/23

Out: 25.016+/-0.102 χ^2/NDF:9871.2/27

All: 25.598+/-0.072 χ^2/NDF: 18176.1/51



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: 0.204+/-0.006 χ^2/NDF:331.6/7

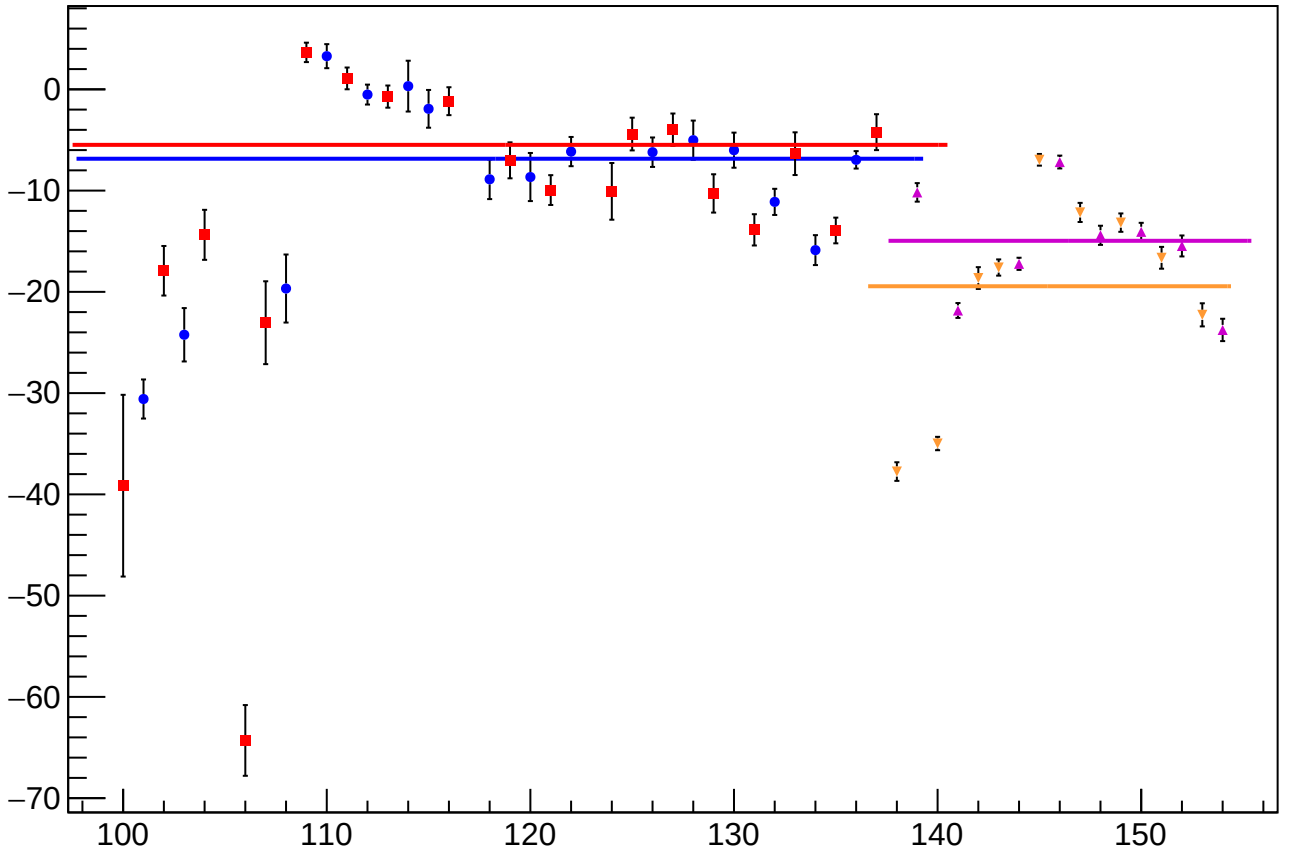
Left: 0.231+/-0.004 χ^2/NDF: 613.7/16

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.178+/-0.005 χ^2/NDF:990.4/23

Out: 0.206+/-0.005 χ^2/NDF:1474.2/27

All: 0.192+/-0.004 χ^2/NDF: 2480.2/51



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: -14.958+/-0.284 χ^2/NDF:344.7/7

Left: -17.241+/-0.199 χ^2/NDF: 2017.4/16

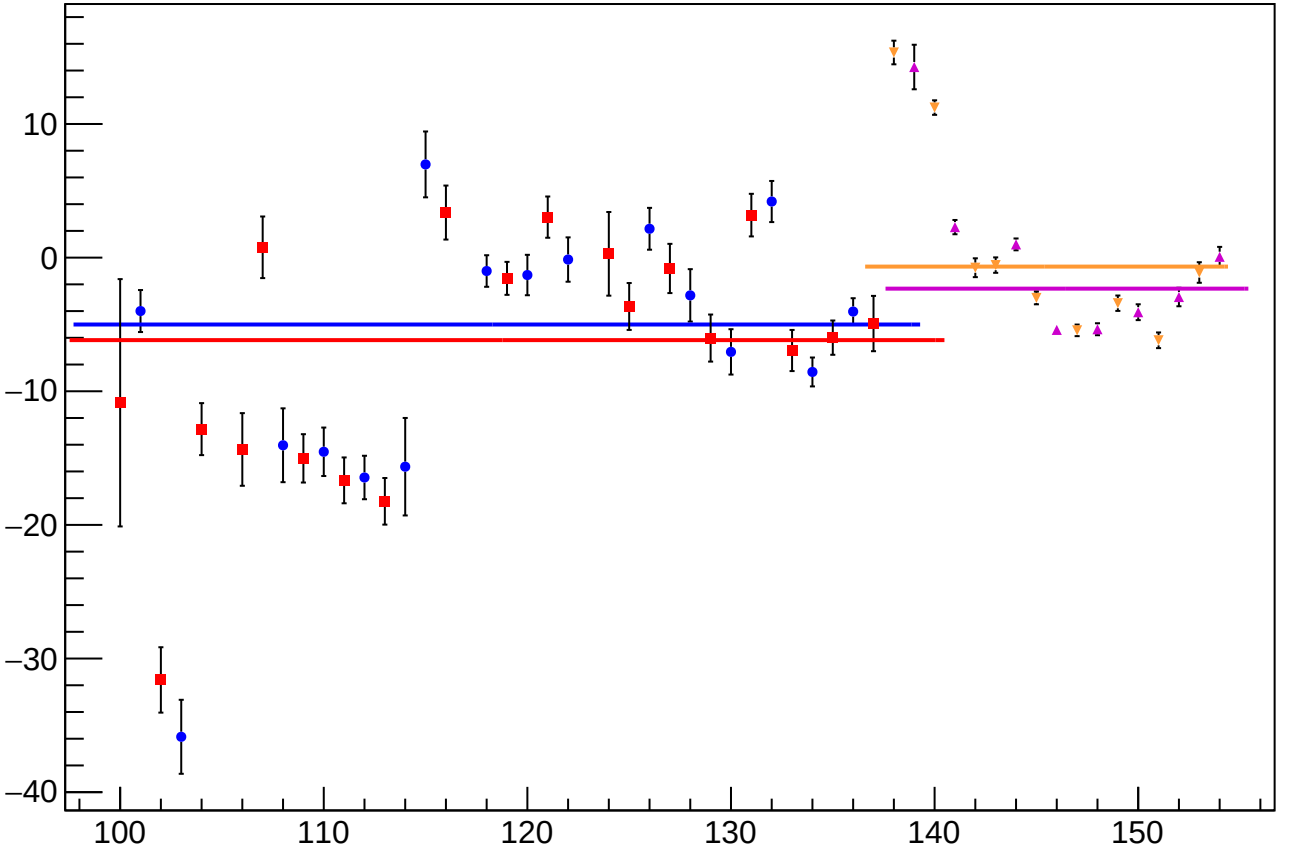
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -12.016+/-0.226 χ^2/NDF:1031.4/23

Out: -14.374+/-0.222 χ^2/NDF:3063.6/27

All: -13.215+/-0.159 χ^2/NDF: 4150.2/51

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.671+/-0.192 χ^2/NDF:1062.6/8

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -2.321+/-0.190 χ^2/NDF:362.8/7

Left: -1.508+/-0.135 χ^2/NDF: 1462.8/16

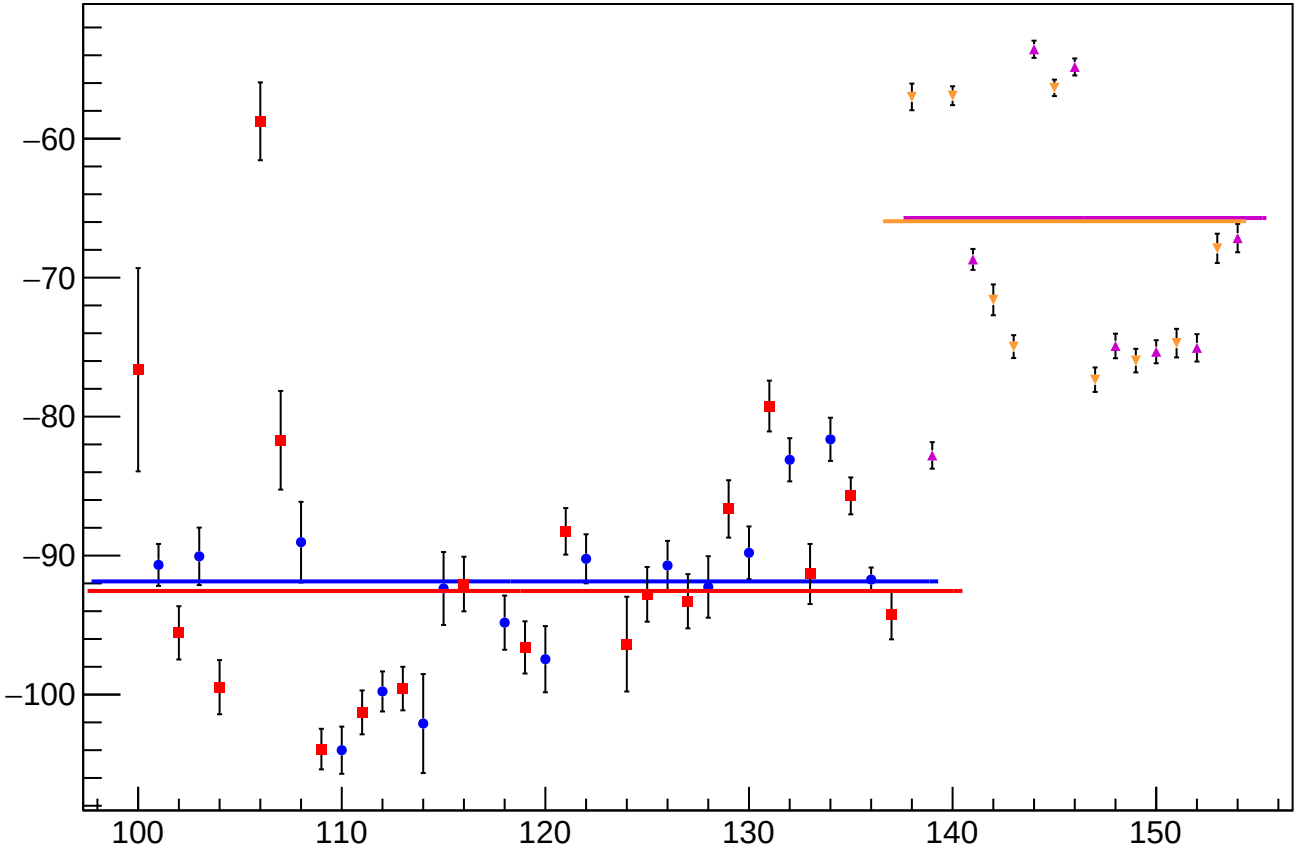
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.823+/-0.171 χ^2/NDF:742.0/23

Out: -1.638+/-0.175 χ^2/NDF:1575.6/27

All: -2.243+/-0.122 χ^2/NDF: 2341.1/51

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: -65.709+/-0.279 χ^2/NDF:1372.6/7

Left: -65.825+/-0.197 χ^2/NDF: 2428.6/16

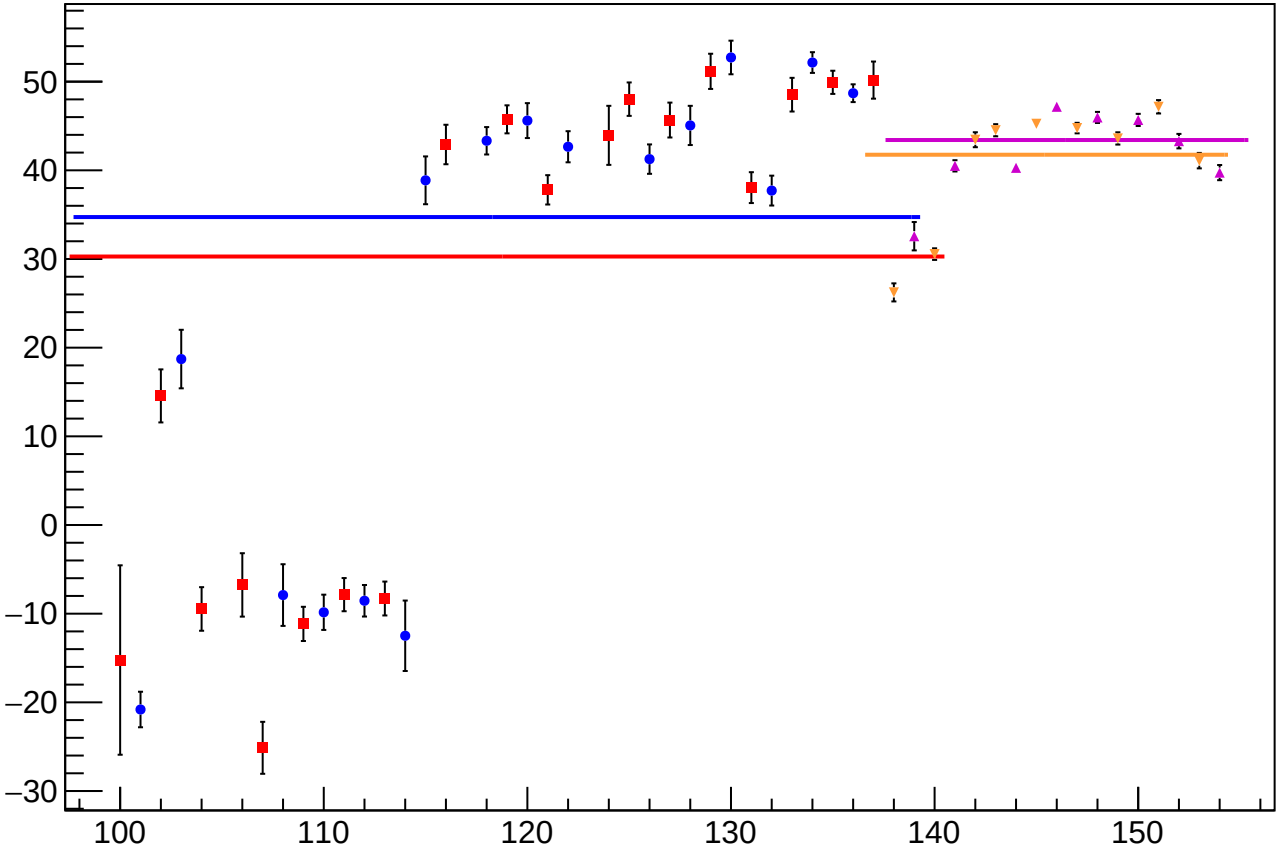
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.601+/-0.233 χ^2/NDF:4204.4/23

Out: -73.561+/-0.235 χ^2/NDF:4060.9/27

All: -73.581+/-0.165 χ^2/NDF: 8265.3/51

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: 43.418+/-0.232 χ^2/NDF:212.8/7

Left: 42.598+/-0.165 χ^2/NDF: 908.7/16

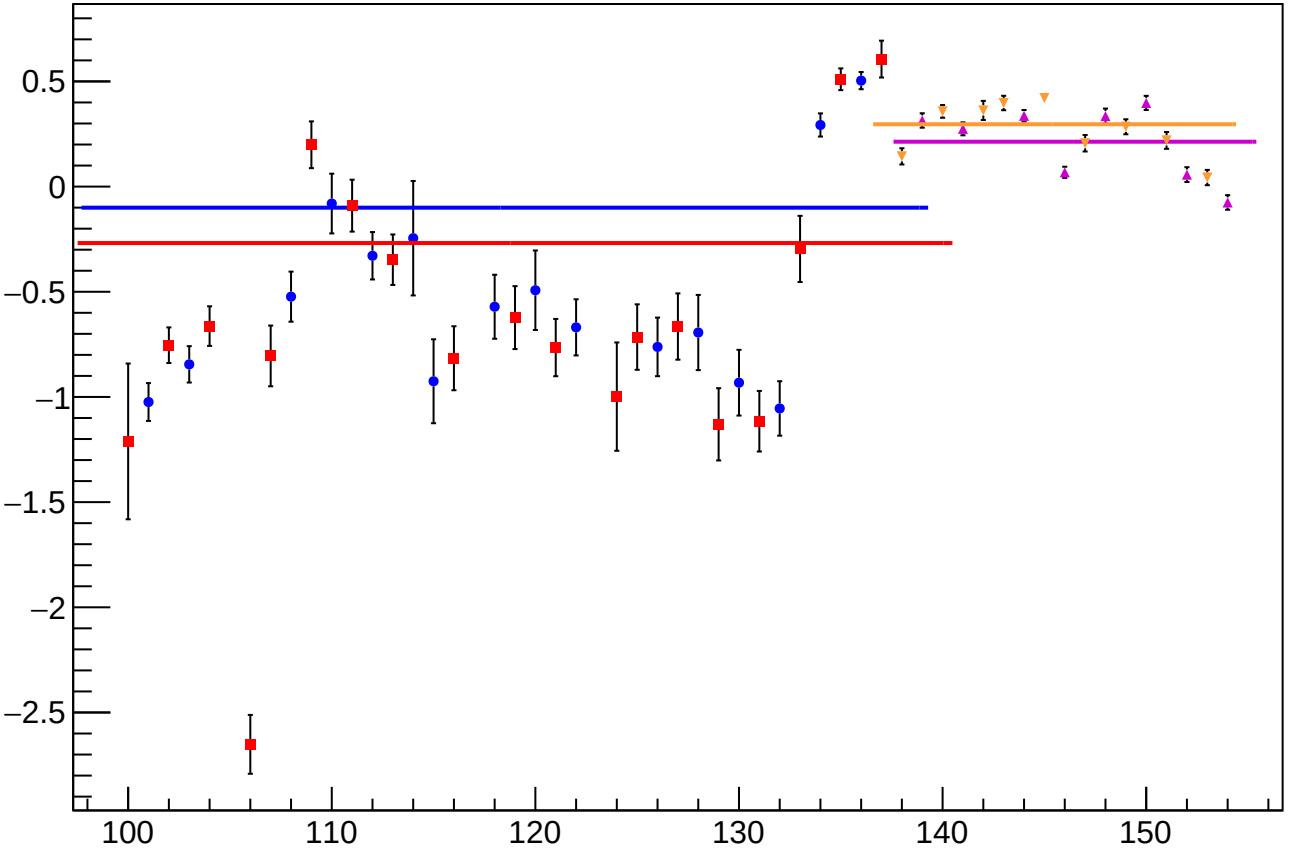
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.545+/-0.205 χ^2/NDF:3325.2/23

Out: 39.448+/-0.210 χ^2/NDF:4064.1/27

All: 40.518+/-0.147 χ^2/NDF: 7440.4/51

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.296+/-0.011 χ^2/NDF:116.2/8

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.213+/-0.011 χ^2/NDF:193.2/7

Left: 0.254+/-0.008 χ^2/NDF: 336.4/16

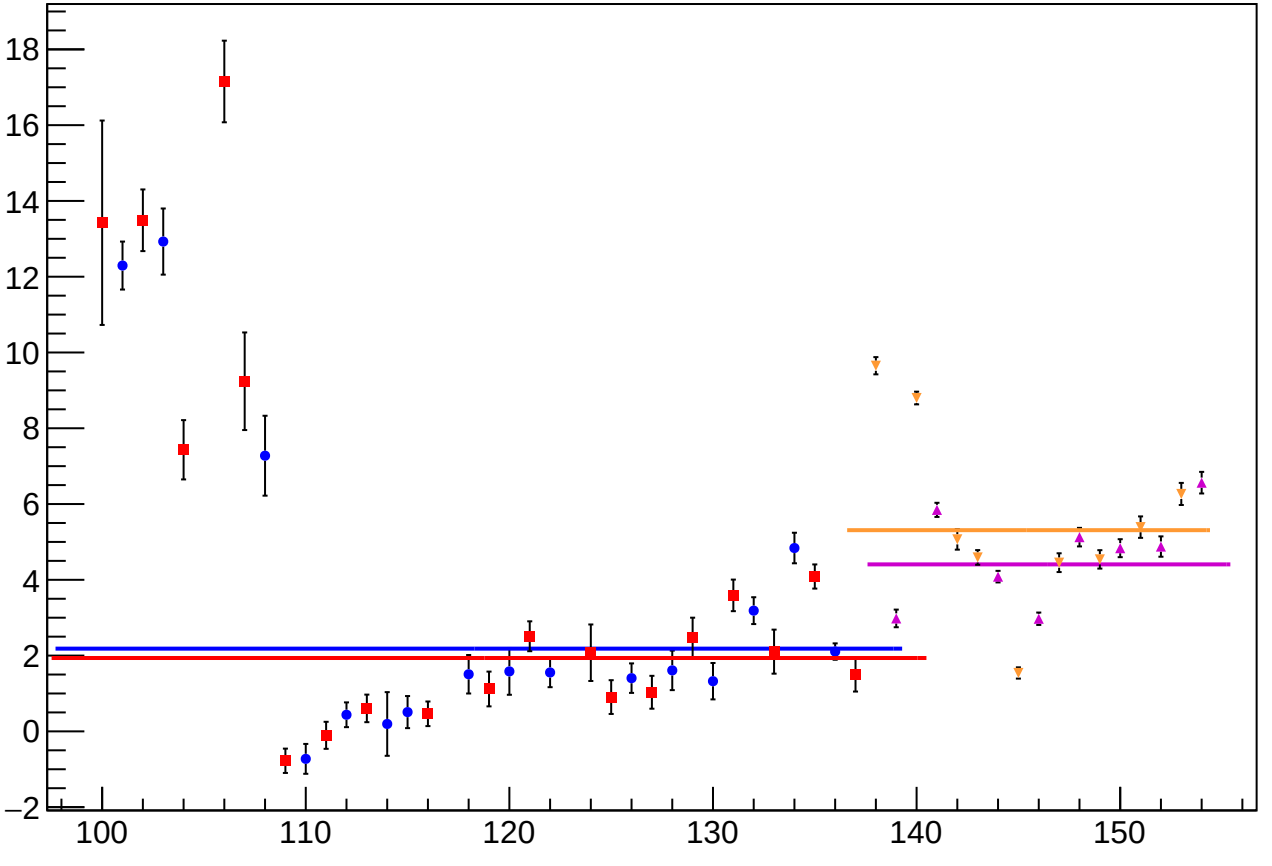
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.157+/-0.010 χ^2/NDF:964.5/23

Out: 0.208+/-0.010 χ^2/NDF:1325.9/27

All: 0.182+/-0.007 χ^2/NDF: 2302.4/51

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: 4.407+/-0.073 χ^2/NDF:250.7/7

Left: 4.870+/-0.051 χ^2/NDF: 1816.0/16

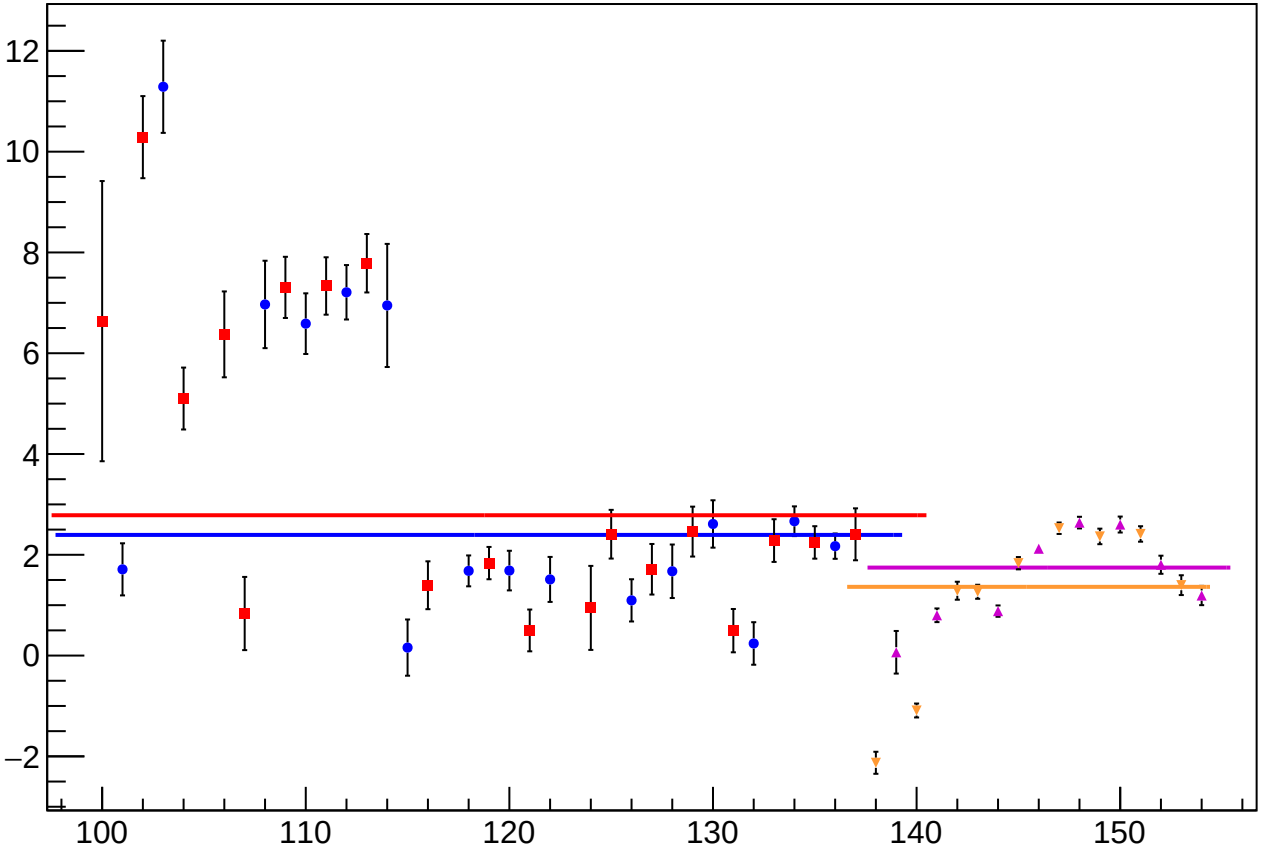
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.684+/-0.060 χ^2/NDF:1152.6/23

Out: 4.256+/-0.059 χ^2/NDF:2907.2/27

All: 3.974+/-0.042 χ^2/NDF: 4106.1/51

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: 1.746+/-0.049 χ^2/NDF:236.0/7

Left: 1.558+/-0.035 χ^2/NDF: 1045.7/16

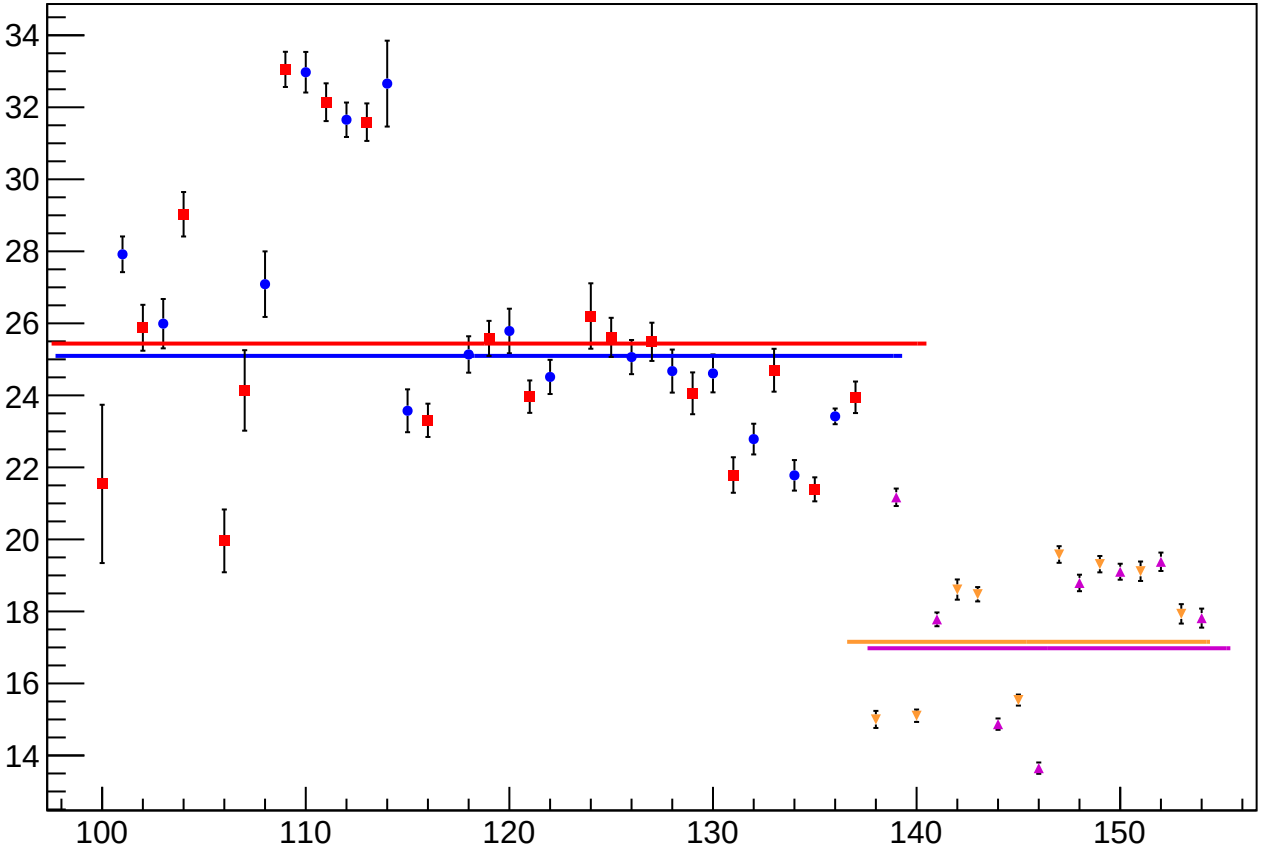
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.855+/-0.044 χ^2/NDF:599.8/23

Out: 1.582+/-0.045 χ^2/NDF:1317.4/27

All: 1.721+/-0.032 χ^2/NDF: 1935.6/51

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: 16.977+/-0.072 χ^2/NDF:1197.9/7

Left: 17.068+/-0.051 χ^2/NDF: 1868.8/16

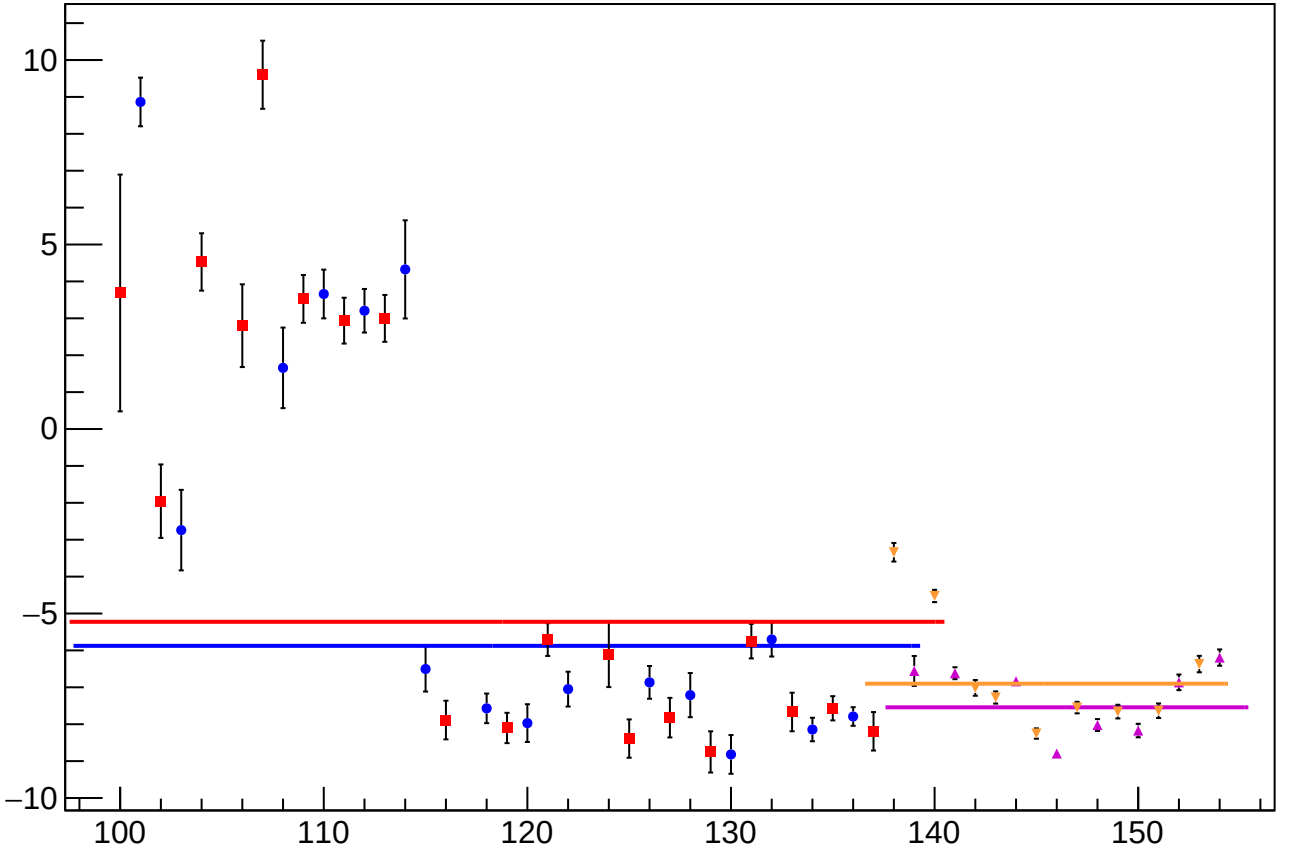
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.182+/-0.061 χ^2/NDF:5296.6/23

Out: 19.207+/-0.062 χ^2/NDF:4900.1/27

All: 19.195+/-0.043 χ^2/NDF: 10196.8/51

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: -7.542+/-0.060 χ^2/NDF:244.2/7

Left: -7.225+/-0.042 χ^2/NDF: 857.2/16

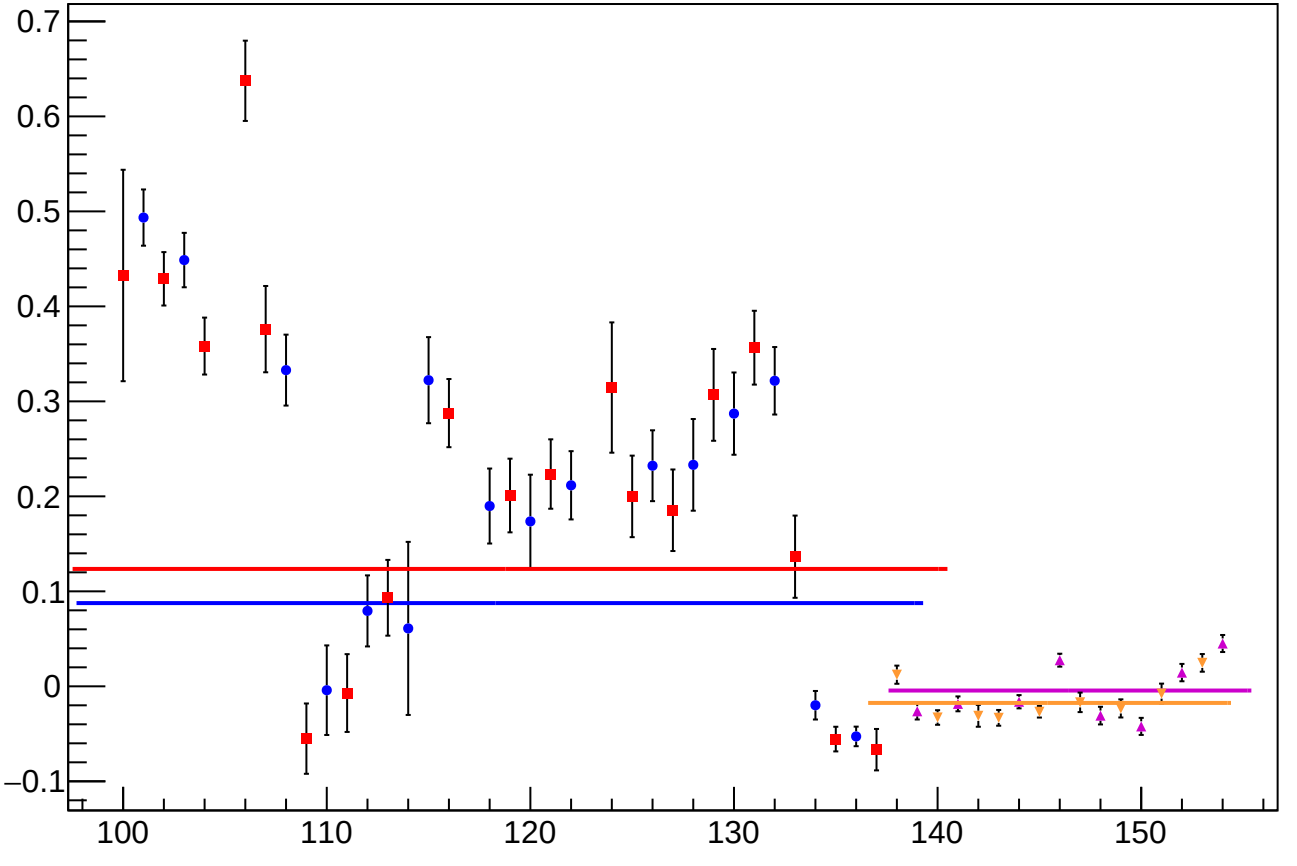
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.216+/-0.053 χ^2/NDF:1648.9/23

Out: -6.605+/-0.054 χ^2/NDF:1985.7/27

All: -6.916+/-0.038 χ^2/NDF: 3698.8/51

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.017+/-0.003 χ^2/NDF:42.8/8

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.004+/-0.003 χ^2/NDF:94.8/7

Left: -0.011+/-0.002 χ^2/NDF: 147.7/16

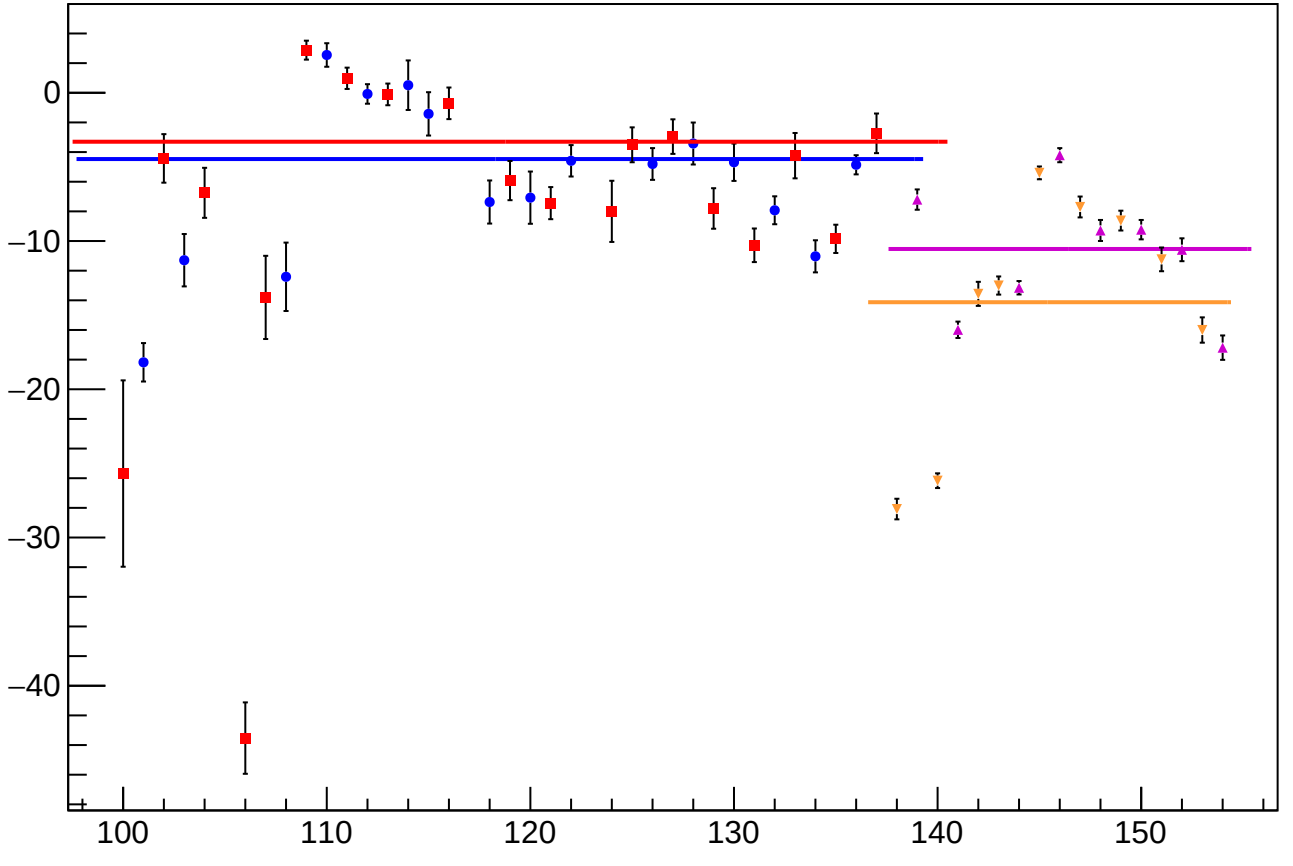
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.010+/-0.003 χ^2/NDF:1026.4/23

Out: 0.002+/-0.003 χ^2/NDF:1125.0/27

All: 0.006+/-0.002 χ^2/NDF: 2156.7/51

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.128+/-0.209 χ^2/NDF:1571.1/8

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.536+/-0.212 χ^2/NDF:403.3/7

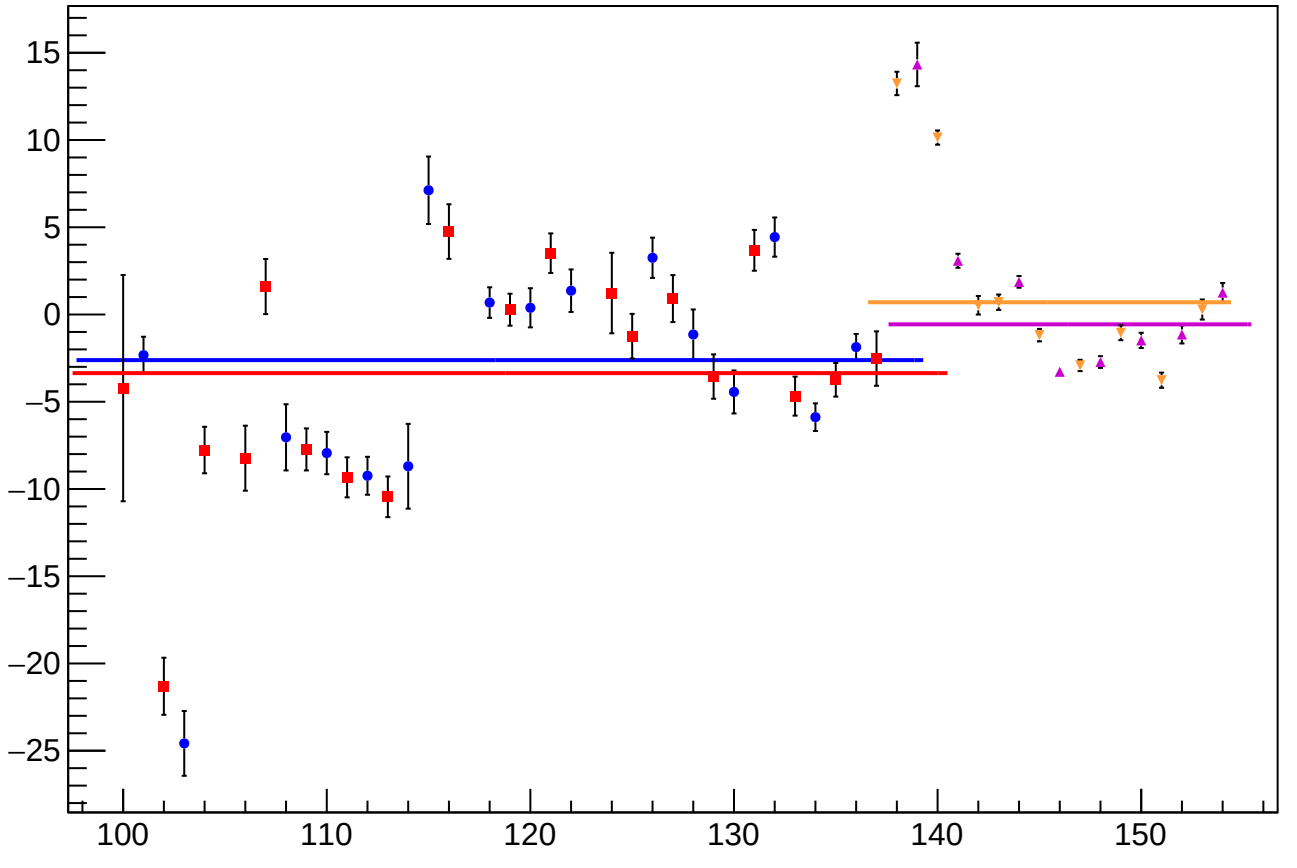
Left: -12.359+/-0.149 χ^2/NDF: 2119.5/16

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -8.201+/-0.167 χ^2/NDF:1049.1/23

Out: -9.890+/-0.163 χ^2/NDF:3204.0/27

All: -9.063+/-0.117 χ^2/NDF: 4305.6/51



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: -0.564+/-0.142 χ^2/NDF:427.4/7

Left: 0.061+/-0.101 χ^2/NDF: 1624.4/16

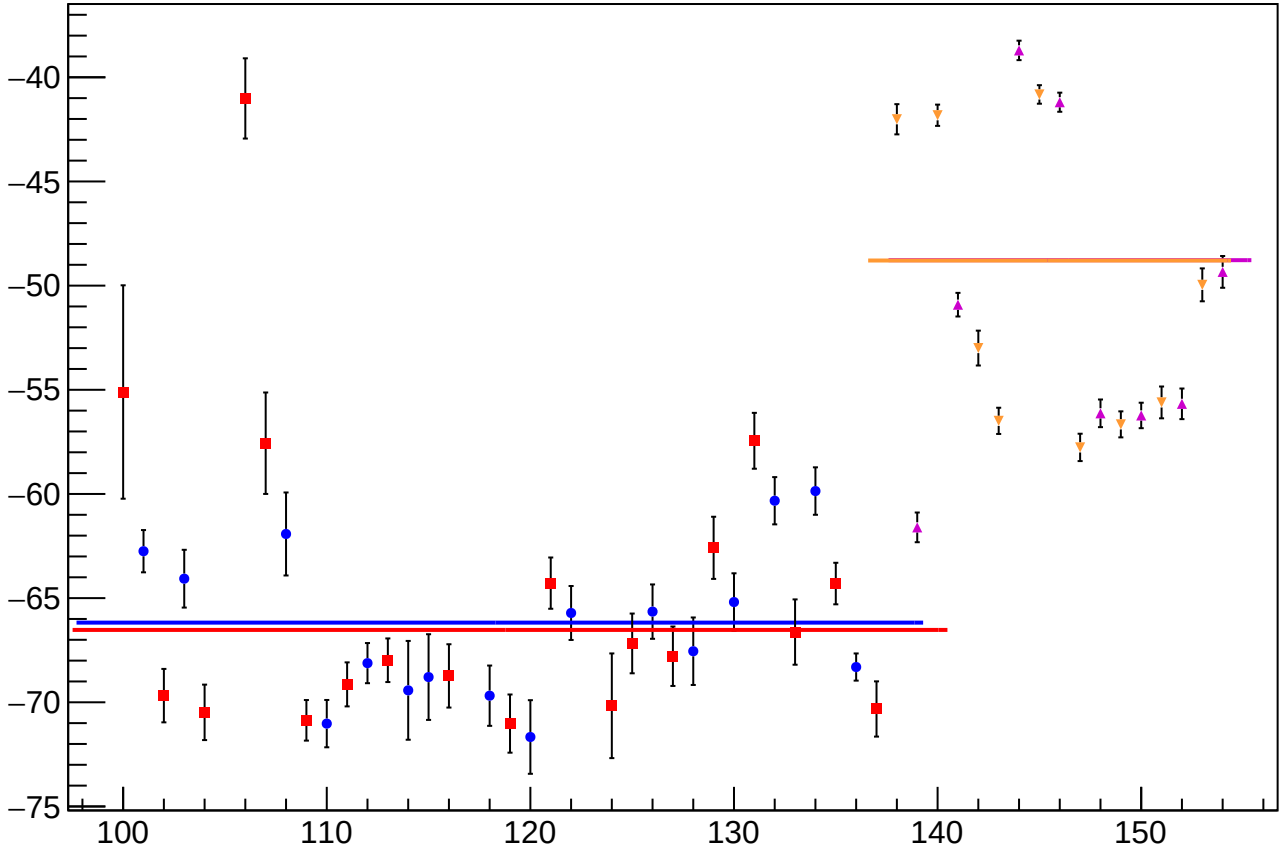
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -0.972+/-0.127 χ^2/NDF:820.7/23

Out: -0.066+/-0.130 χ^2/NDF:1667.5/27

All: -0.527+/-0.091 χ^2/NDF: 2512.9/51

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: -48.778+/-0.209 χ^2/NDF:1436.1/7

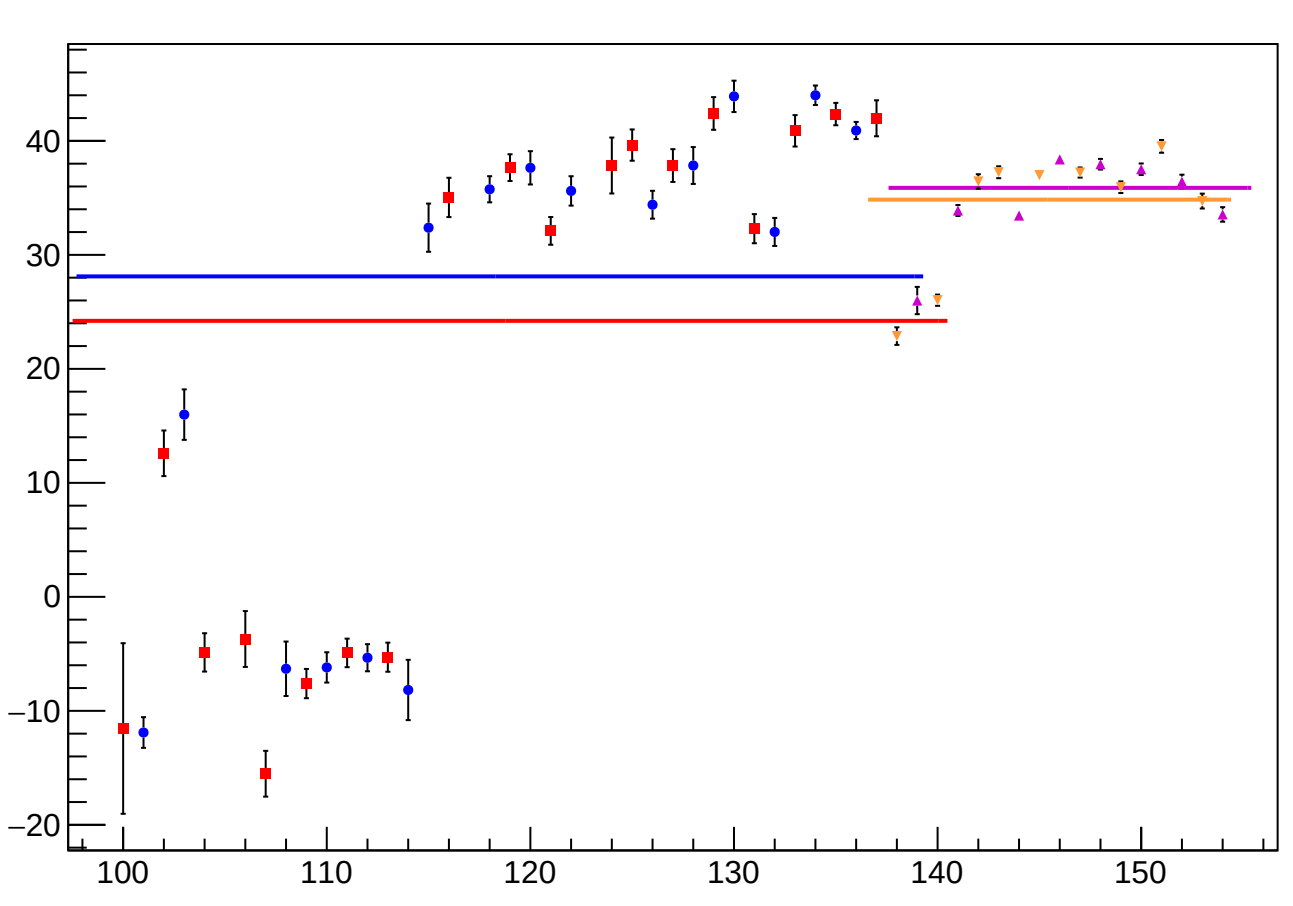
Left: -48.786+/-0.148 χ^2/NDF: 2633.3/16

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.347+/-0.172 χ^2/NDF:3787.5/23

Out: -54.266+/-0.174 χ^2/NDF:3745.5/27

All: -54.307+/-0.122 χ^2/NDF: 7533.0/51



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: 35.879+/-0.174 χ^2/NDF:217.5/7

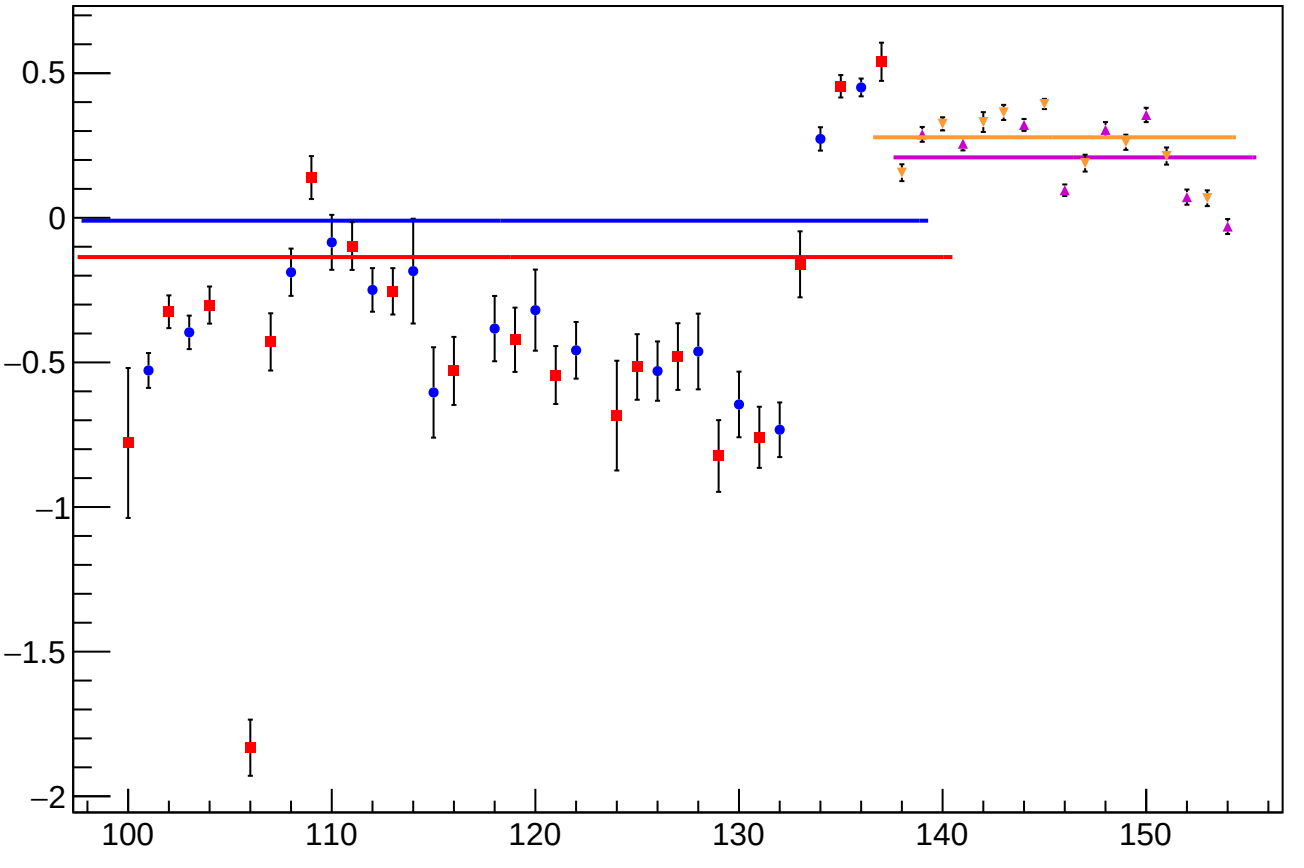
Left: 35.367+/-0.124 χ^2/NDF: 954.4/16

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 34.111+/-0.153 χ^2/NDF:4400.3/23

Out: 32.555+/-0.156 χ^2/NDF:5348.6/27

All: 33.348+/-0.109 χ^2/NDF: 9799.8/51



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.278+/-0.009 χ^2/NDF:152.0/8

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.209+/-0.008 χ^2/NDF:235.9/7

Left: 0.243+/-0.006 χ^2/NDF: 421.5/16

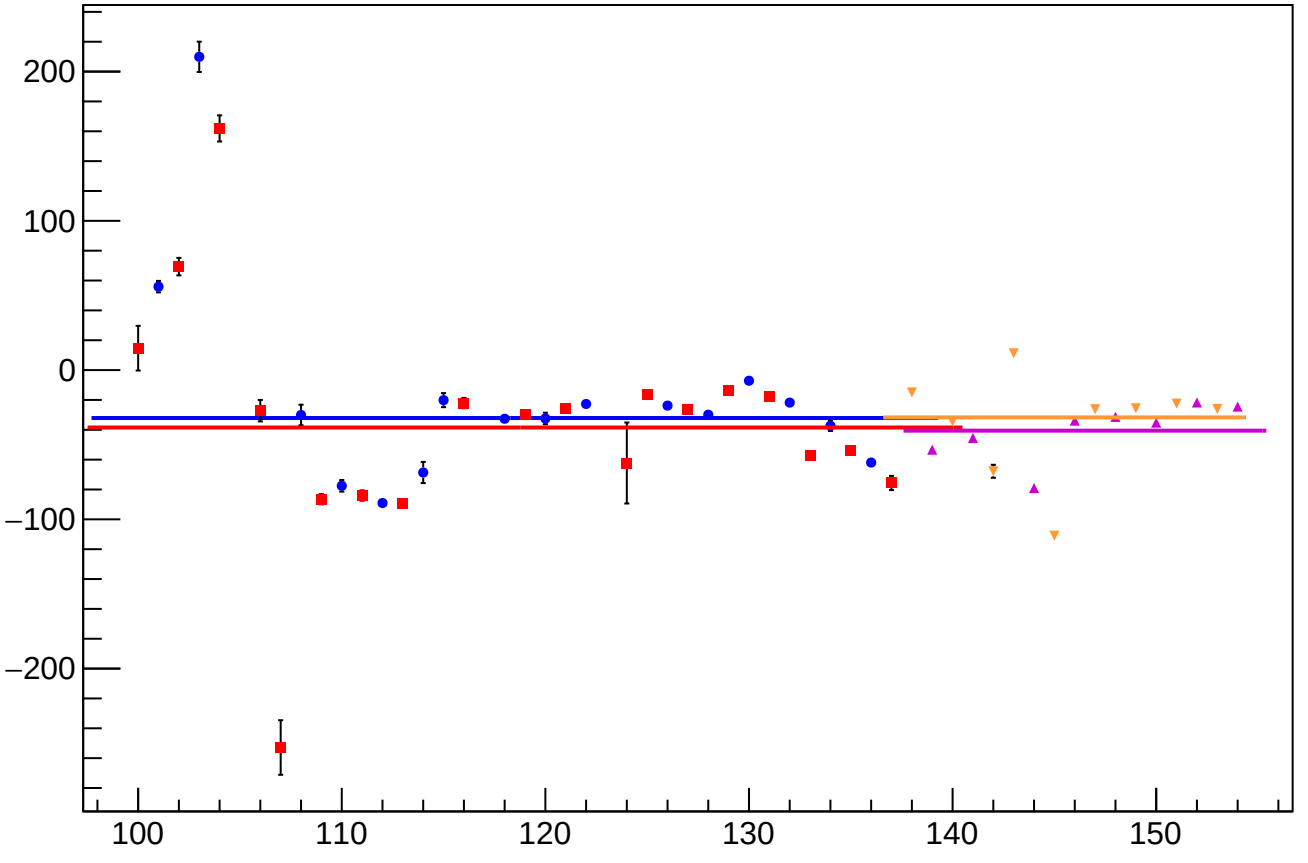
Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.167+/-0.008 χ^2/NDF:952.5/23

Out: 0.208+/-0.008 χ^2/NDF:1371.8/27

All: 0.187+/-0.005 χ^2/NDF: 2338.2/51

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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: -40.573+/-0.981 χ^2/NDF:283.6/7

Left: -36.117+/-0.692 χ^2/NDF: 1242.3/16

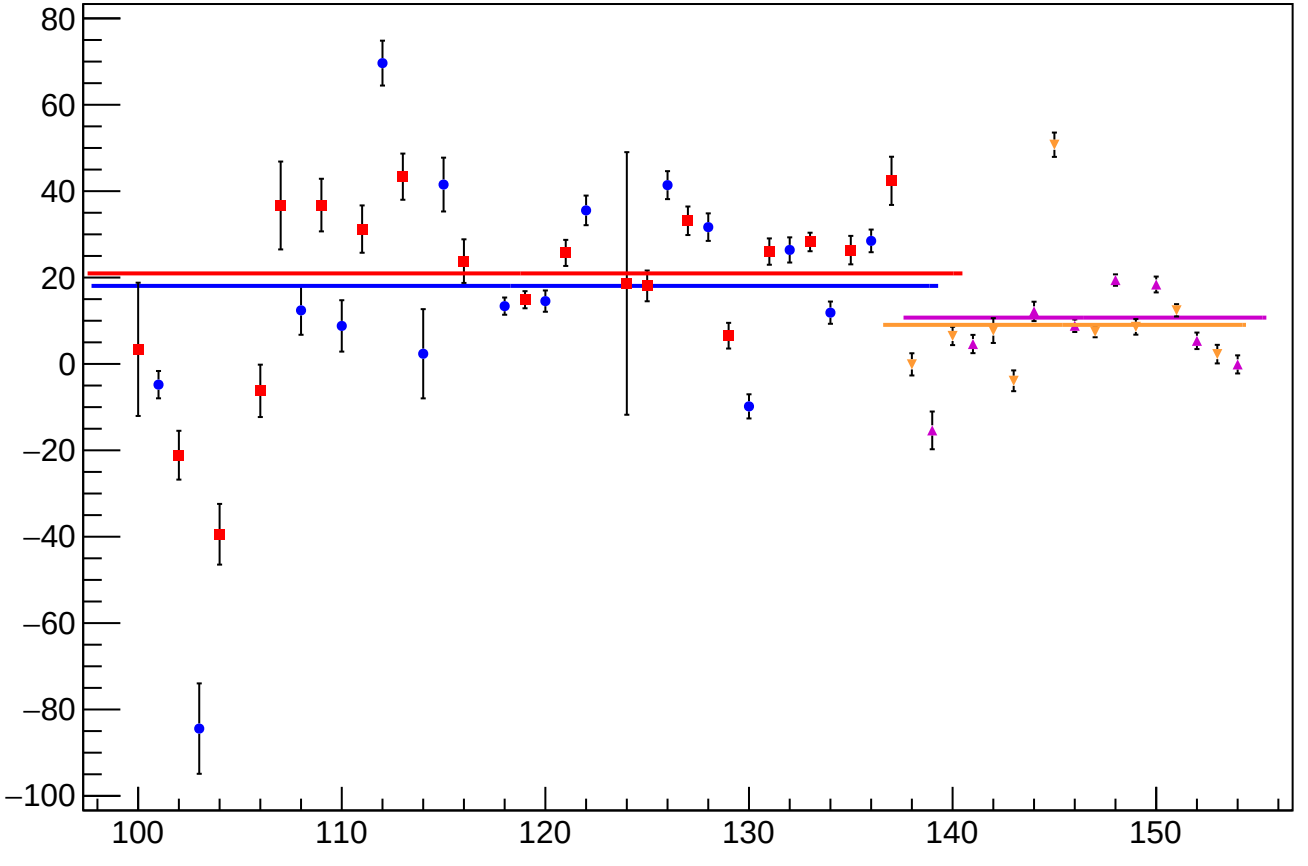
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -35.706+/-0.639 χ^2/NDF:2203.8/23

Out: -35.493+/-0.647 χ^2/NDF:2917.1/27

All: -35.601+/-0.455 χ^2/NDF: 5120.9/51

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: 10.723+/-0.657 χ^2/NDF:141.6/7

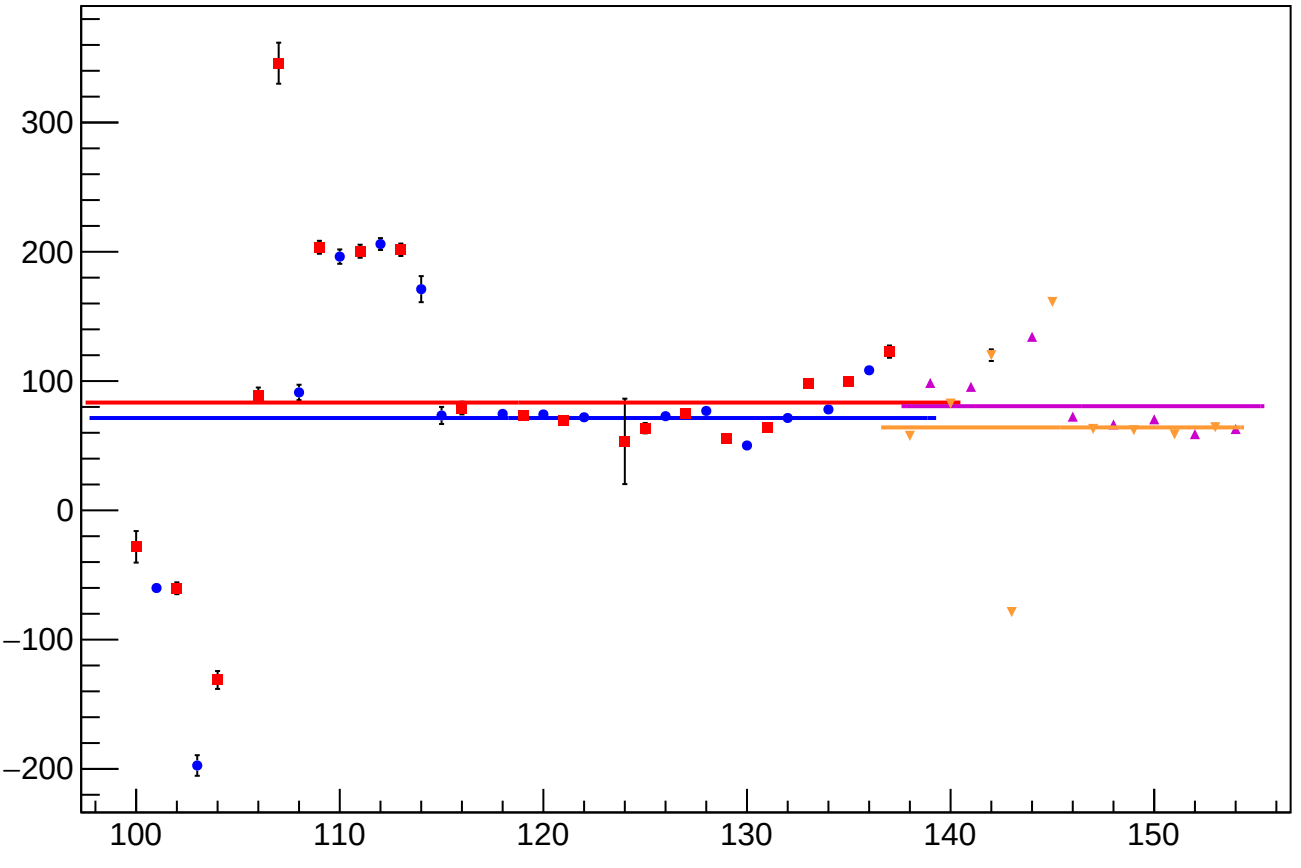
Left: 9.869+/-0.460 χ^2/NDF: 424.6/16

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 13.582+/-0.513 χ^2/NDF:689.9/23

Out: 13.278+/-0.518 χ^2/NDF:663.6/27

All: 13.431+/-0.364 χ^2/NDF: 1353.7/51



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: 80.567+/-0.957 χ^2/NDF:527.6/7

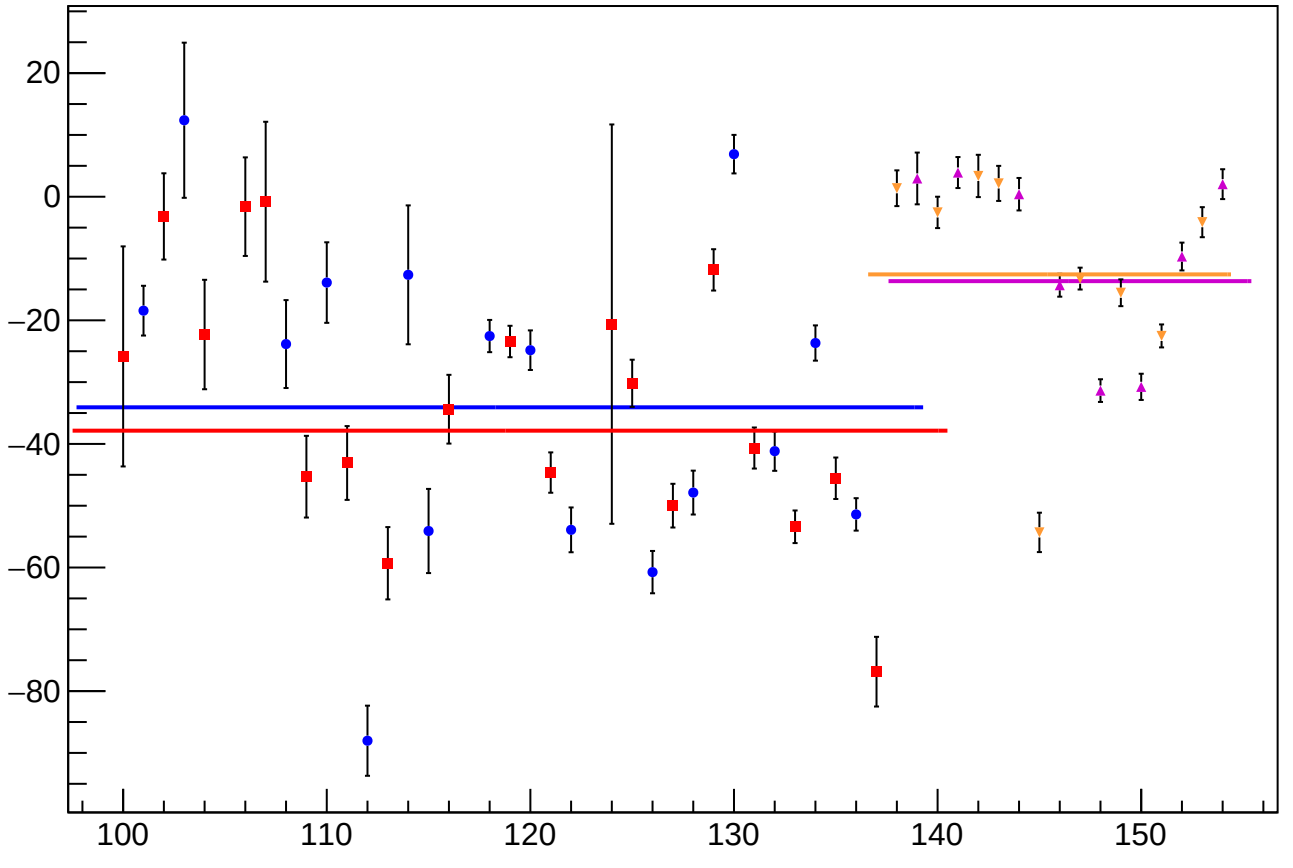
Left: 72.388+/-0.678 χ^2/NDF: 3550.3/16

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 75.870+/-0.667 χ^2/NDF:5394.1/23

Out: 73.520+/-0.688 χ^2/NDF:7368.8/27

All: 74.731+/-0.479 χ^2/NDF: 12769.0/51



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: -13.659+/-0.806 χ^2/NDF:297.1/7

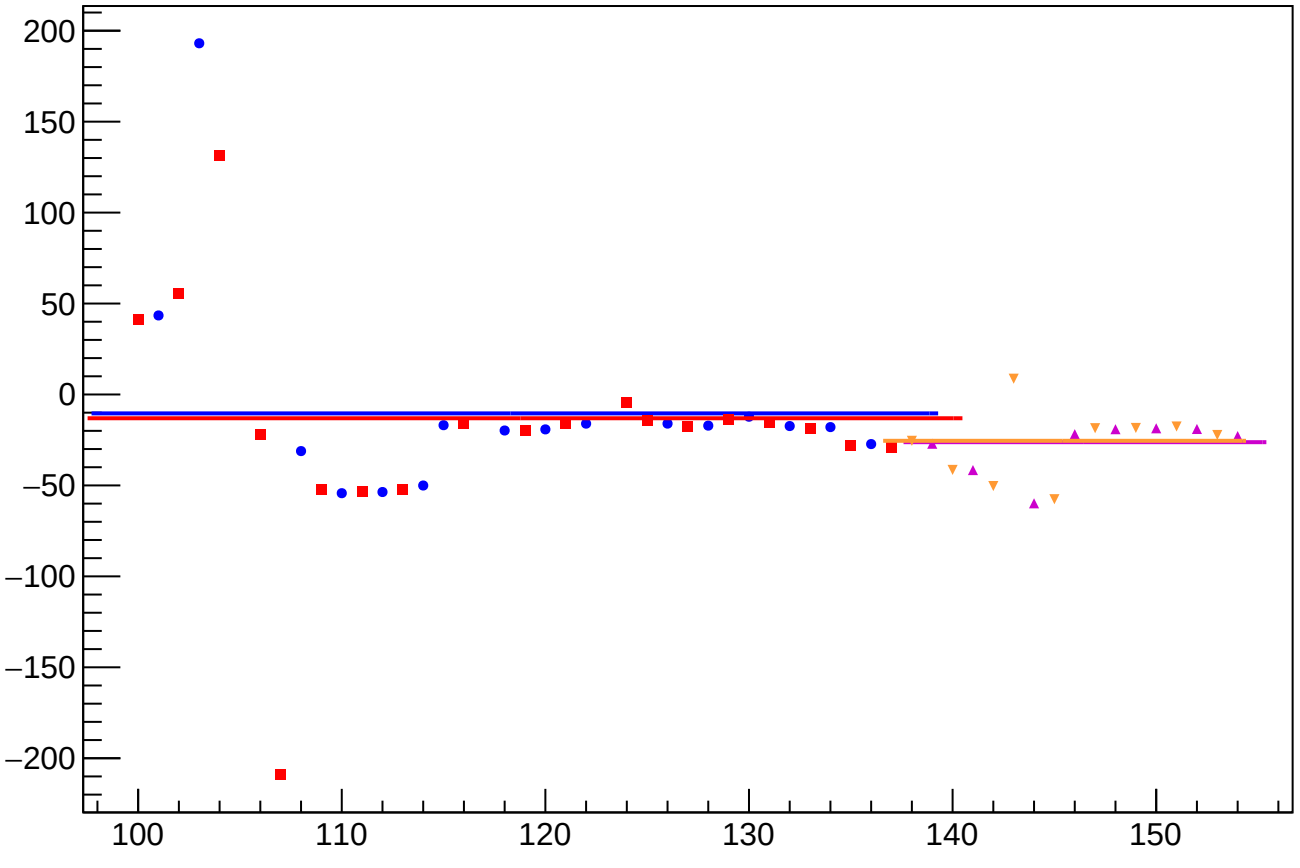
Left: -13.107+/-0.567 χ^2/NDF: 599.9/16

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -22.288+/-0.612 χ^2/NDF:1079.4/23

Out: -22.466+/-0.622 χ^2/NDF:970.5/27

All: -22.375+/-0.436 χ^2/NDF: 2050.0/51



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: -26.226+/-0.037 χ^2/NDF:92322.8/7

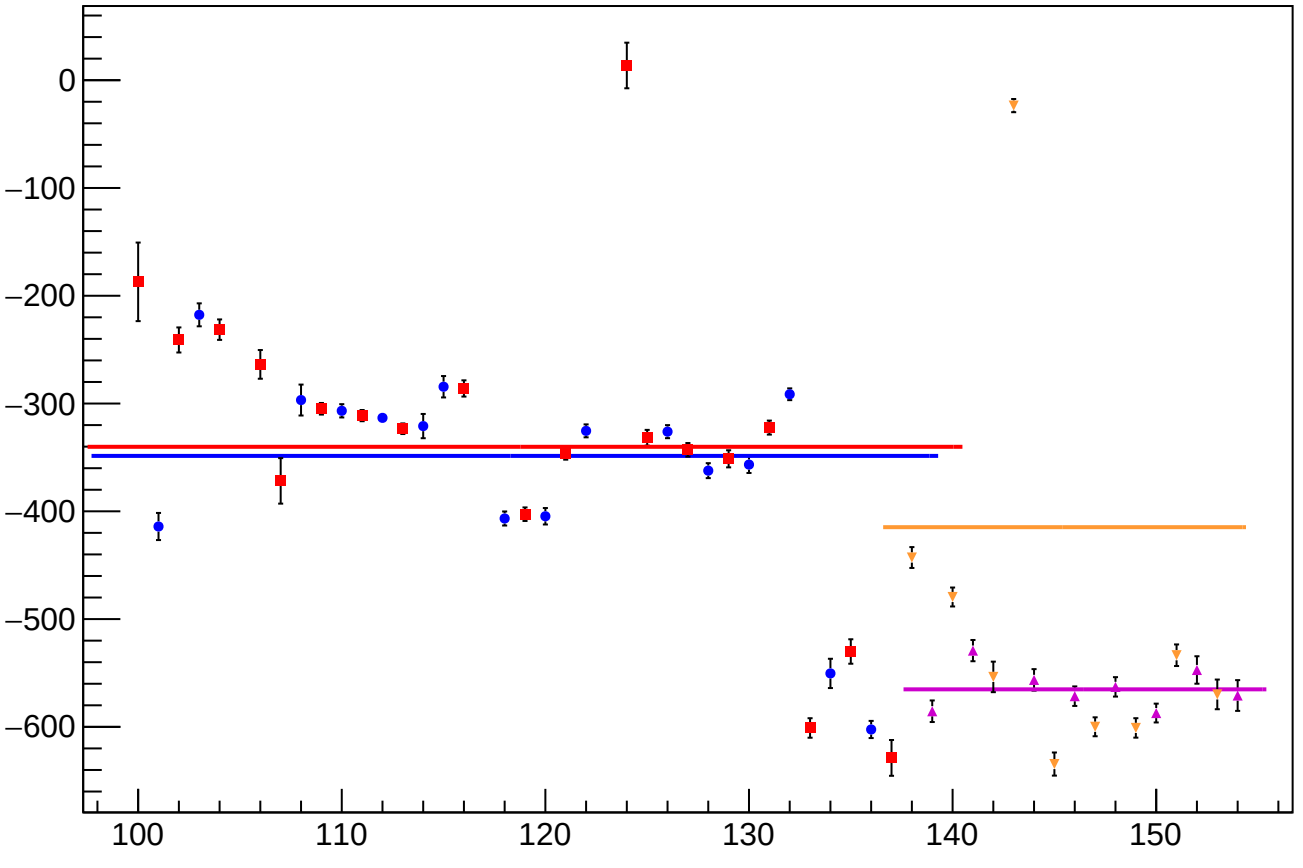
Left: -25.864+/-0.027 χ^2/NDF: 266016.9/16

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.492+/-0.031 χ^2/NDF:669027.0/23

Out: -22.036+/-0.033 χ^2/NDF:651439.0/27

All: -21.748+/-0.023 χ^2/NDF: 1320610.3/51



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: -565.184+/-3.558 χ^2/NDF:27.2/7

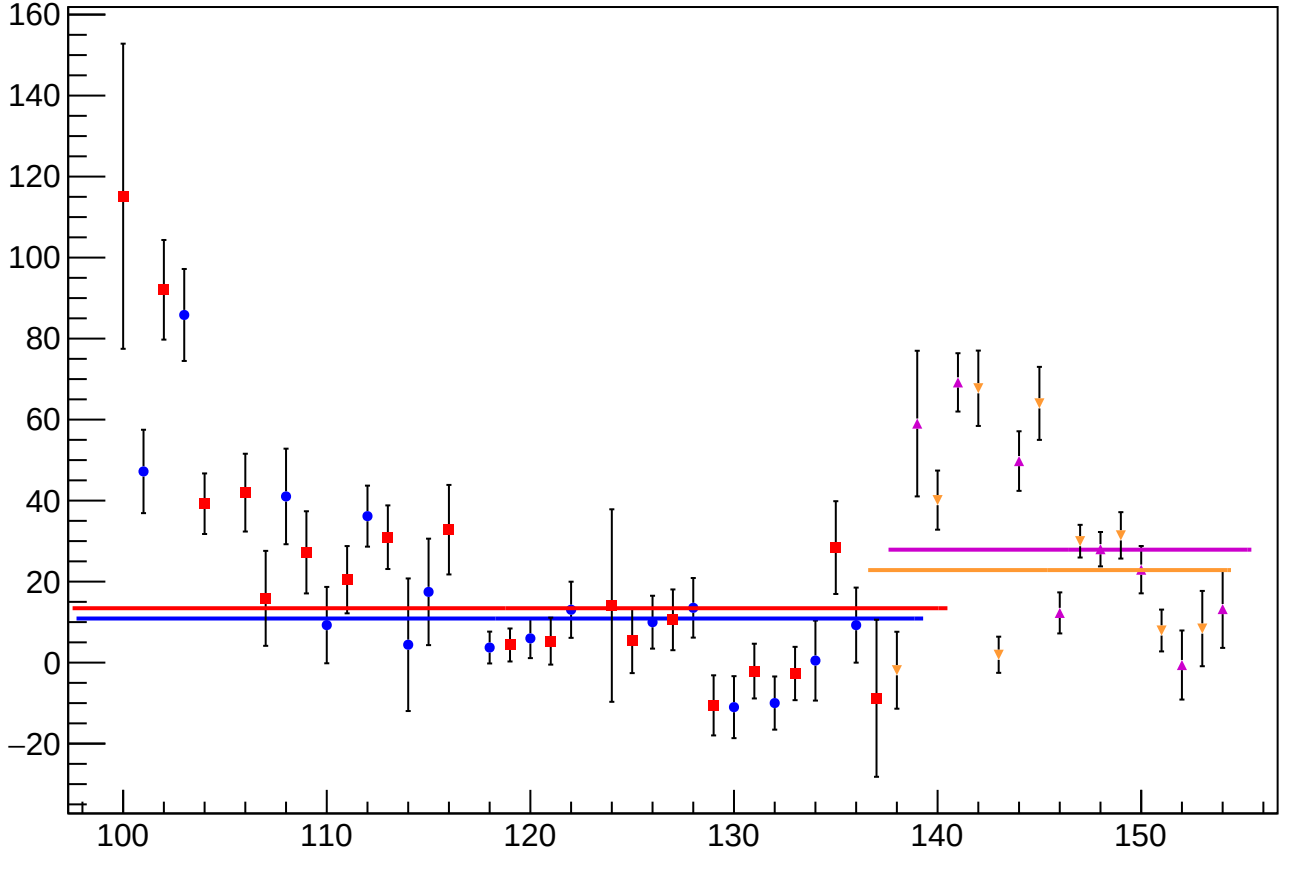
Left: -479.499+/-2.334 χ^2/NDF: 6847.2/16

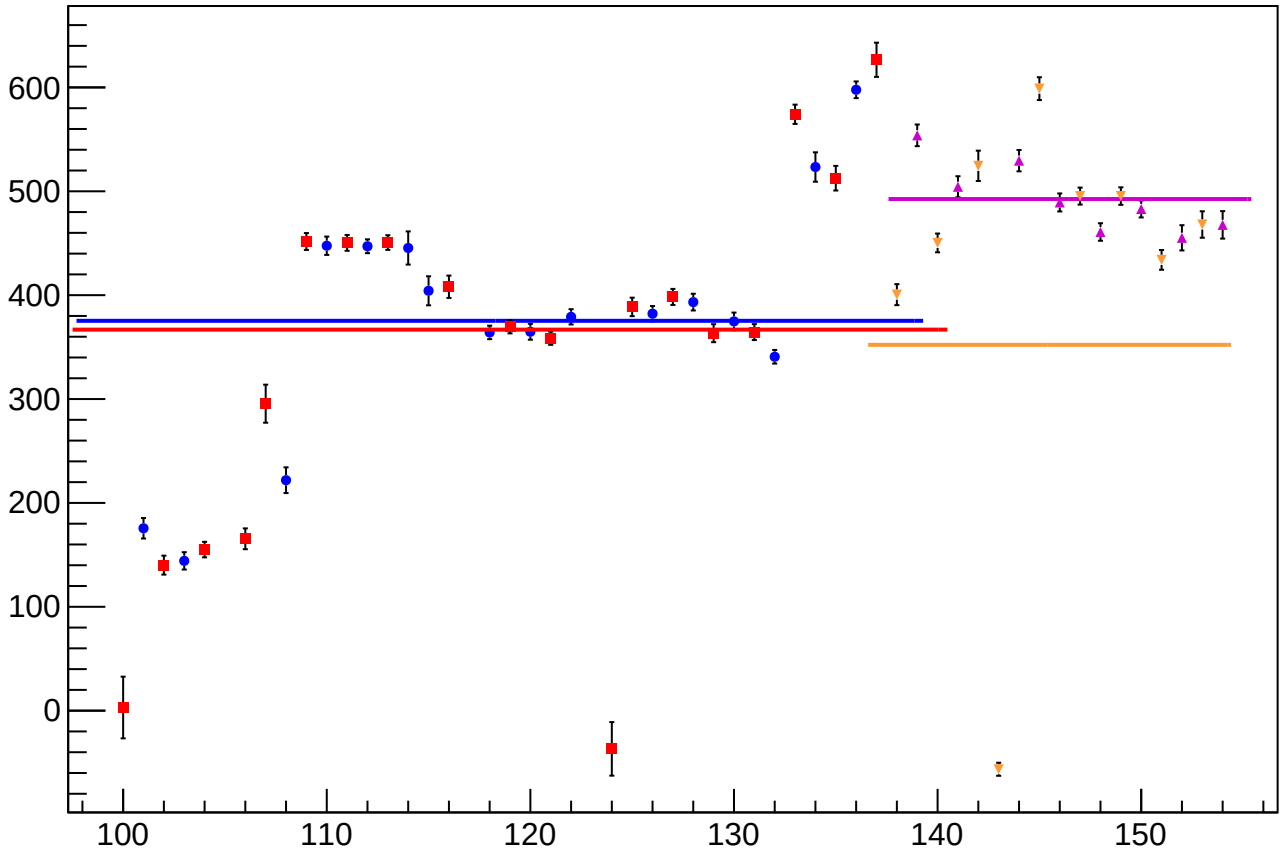
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -393.693+/-1.624 χ^2/NDF:4820.0/23

Out: -358.373+/-1.529 χ^2/NDF:8437.7/27

All: -374.978+/-1.113 χ^2/NDF: 13508.5/51


reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
0
−20
100
110
120
130
140
150
Right In: 10.888+/-1.843 χ²/NDF: 98.2/15
Left Out: 22.844+/-2.021 χ²/NDF:94.6/8
Right Out: 13.427+/-1.854 χ²/NDF: 112.4/18
Left In: 27.883+/-2.299 χ²/NDF:68.4/7
Left: 25.040+/-1.518 χ²/NDF: 165.7/16
Right: 12.149+/-1.307 χ²/NDF: 211.6/34
In: 17.536+/-1.438 χ²/NDF:200.0/23
Out: 17.732+/-1.366 χ²/NDF:218.8/27
All: 17.639+/-0.990 χ²/NDF: 418.7/51



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: 492.557+/-3.464 χ^2/NDF:77.5/7

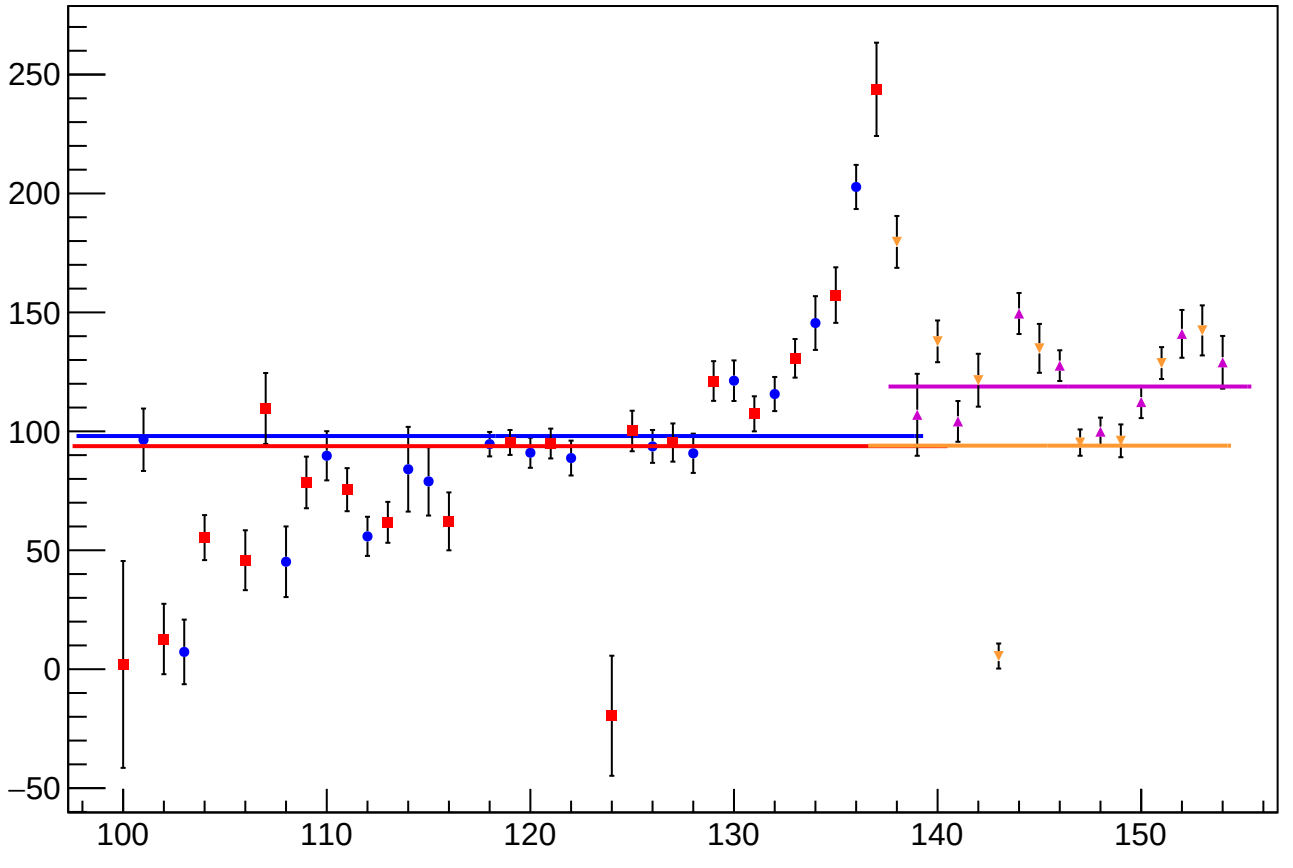
Left: 413.812+/-2.295 χ^2/NDF: 6747.1/16

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 406.886+/-1.798 χ^2/NDF:3363.9/23

Out: 362.309+/-1.704 χ^2/NDF:9305.4/27

All: 383.401+/-1.236 χ^2/NDF: 12993.4/51



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: 118.832+/-2.852 χ^2/NDF:34.8/7

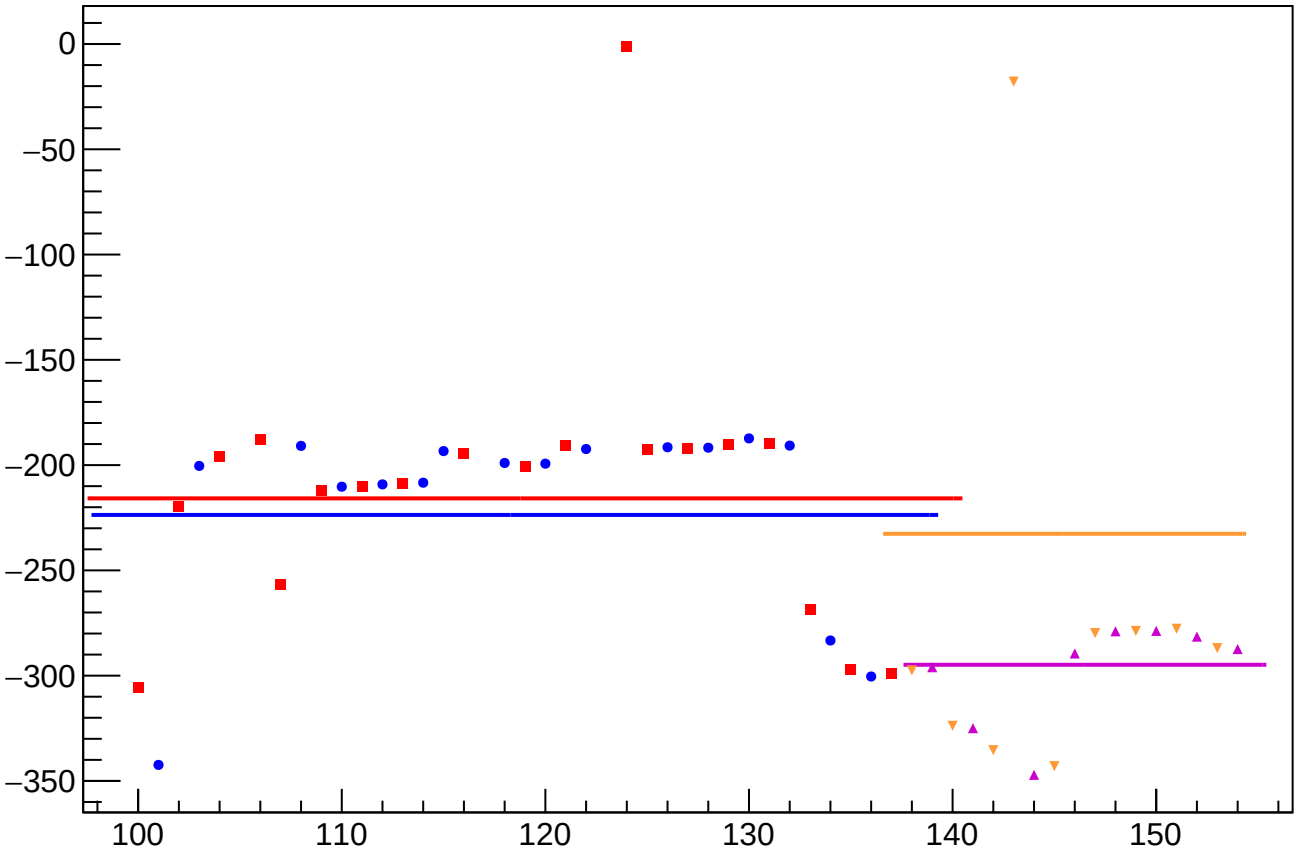
Left: 104.784+/-1.880 χ^2/NDF: 517.0/16

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 105.538+/-1.714 χ^2/NDF:318.3/23

Out: 93.862+/-1.625 χ^2/NDF:676.3/27

All: 99.390+/-1.179 χ^2/NDF: 1019.1/51



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: -294.841+/-0.138 χ^2/NDF:24120.0/7

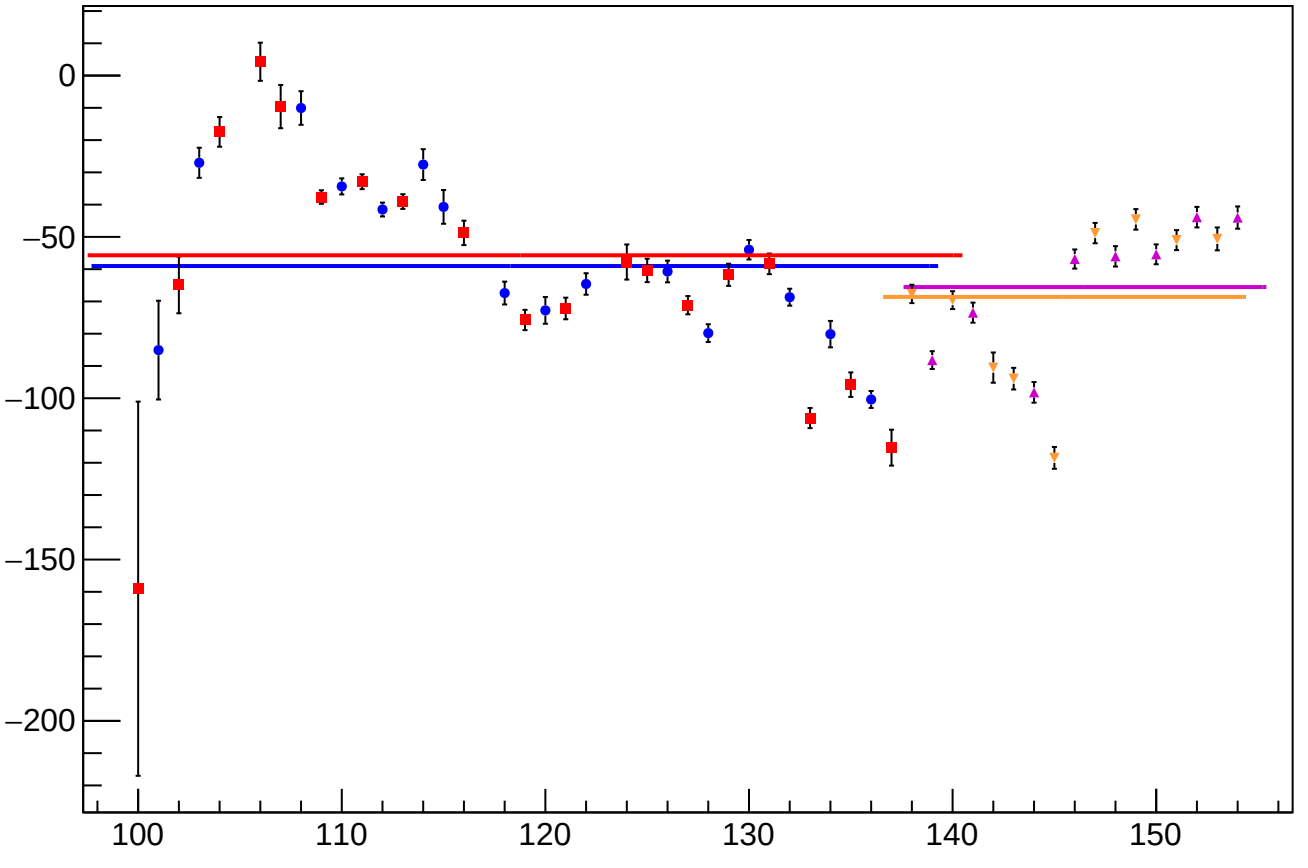
Left: -261.107+/-0.093 χ^2/NDF: 1044125.8/16

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -259.450+/-0.098 χ^2/NDF:278834.3/23

Out: -224.722+/-0.092 χ^2/NDF:998873.6/27

All: -241.083+/-0.067 χ^2/NDF: 1344791.4/51



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: -65.546+/-1.095 χ^2/NDF:291.2/7

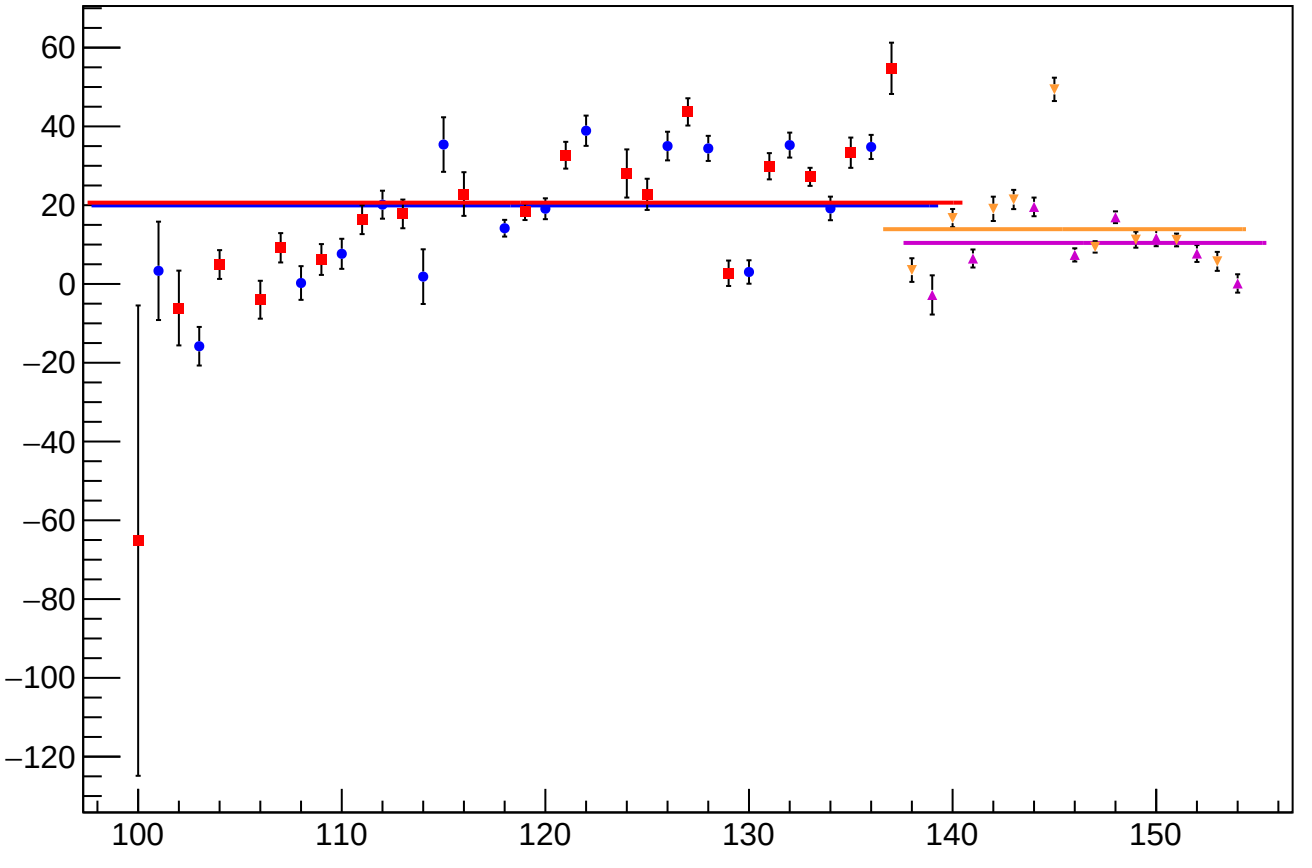
Left: -67.096+/-0.769 χ^2/NDF: 745.4/16

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -61.405+/-0.661 χ^2/NDF:1041.0/23

Out: -60.202+/-0.637 χ^2/NDF:1584.4/27

All: -60.781+/-0.459 χ^2/NDF: 2627.1/51



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: 10.422+/-0.736 χ^2/NDF:68.7/7

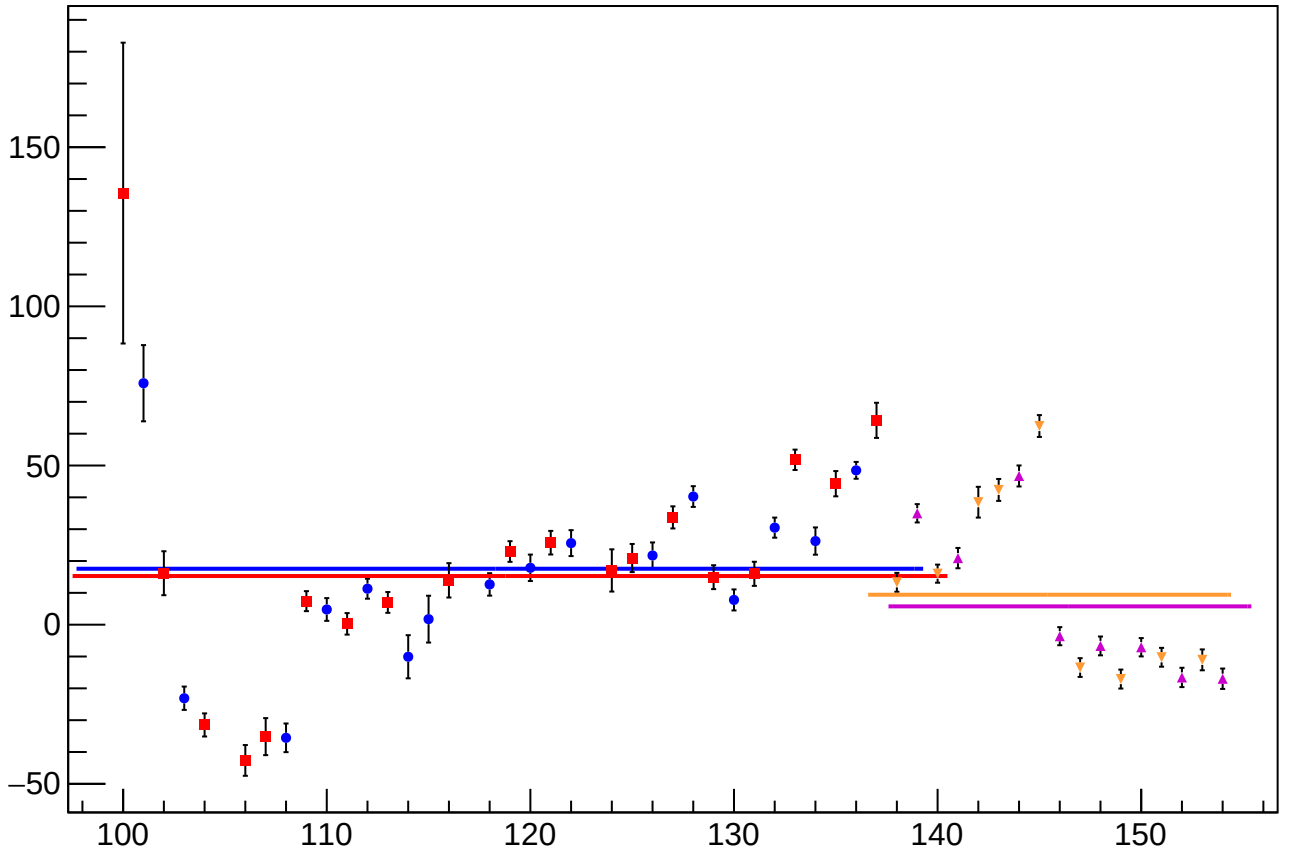
Left: 12.212+/-0.513 χ^2/NDF: 275.0/16

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 14.405+/-0.561 χ^2/NDF:386.0/23

Out: 16.727+/-0.546 χ^2/NDF:456.5/27

All: 15.598+/-0.391 χ^2/NDF: 851.4/51



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: 5.752+/-1.069 χ^2/NDF:433.0/7

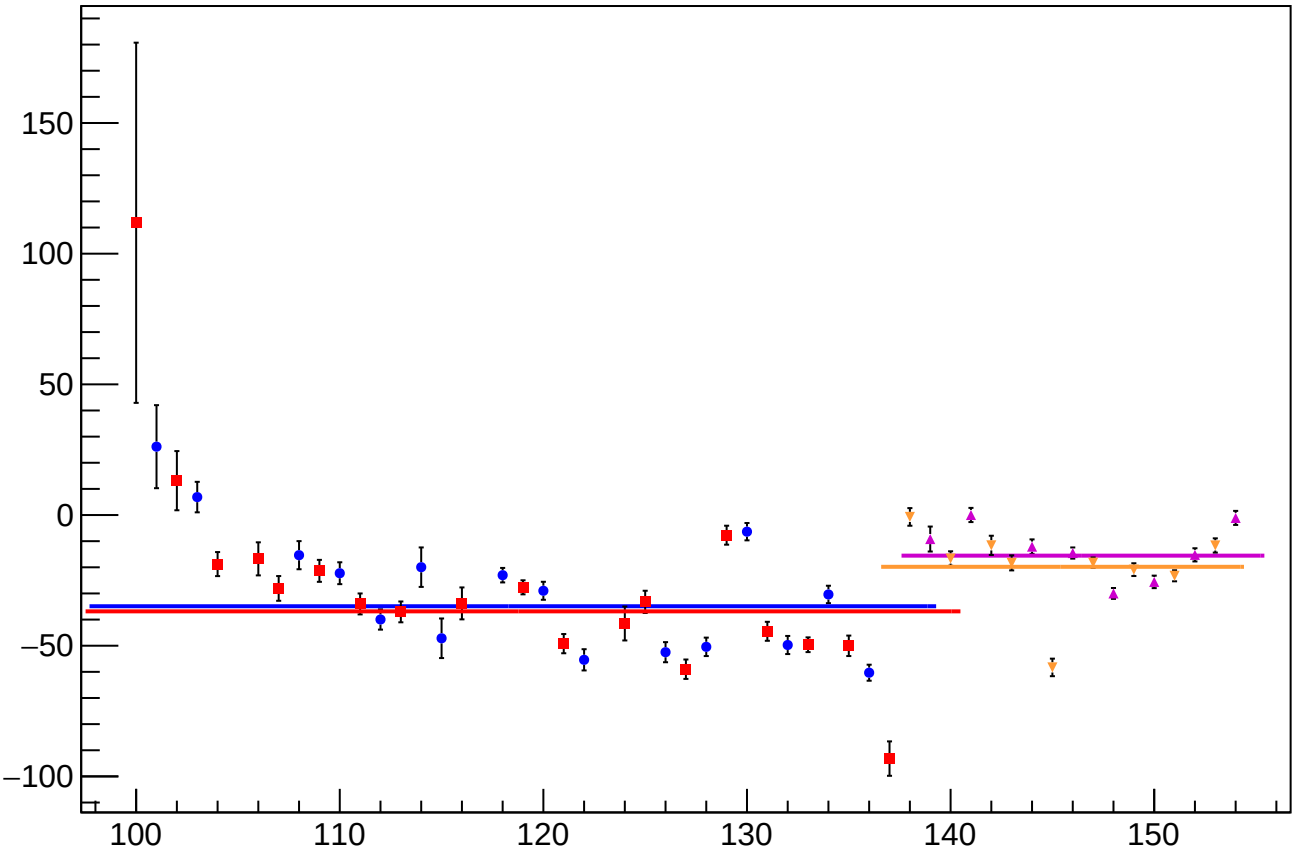
Left: 7.588+/-0.754 χ^2/NDF: 1034.1/16

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 12.315+/-0.713 χ^2/NDF:1047.1/23

Out: 12.724+/-0.702 χ^2/NDF:1342.6/27

All: 12.522+/-0.500 χ^2/NDF: 2389.8/51



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -19.808+/-0.883 χ^2/NDF:182.8/8

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -15.538+/-0.901 χ^2/NDF:131.3/7

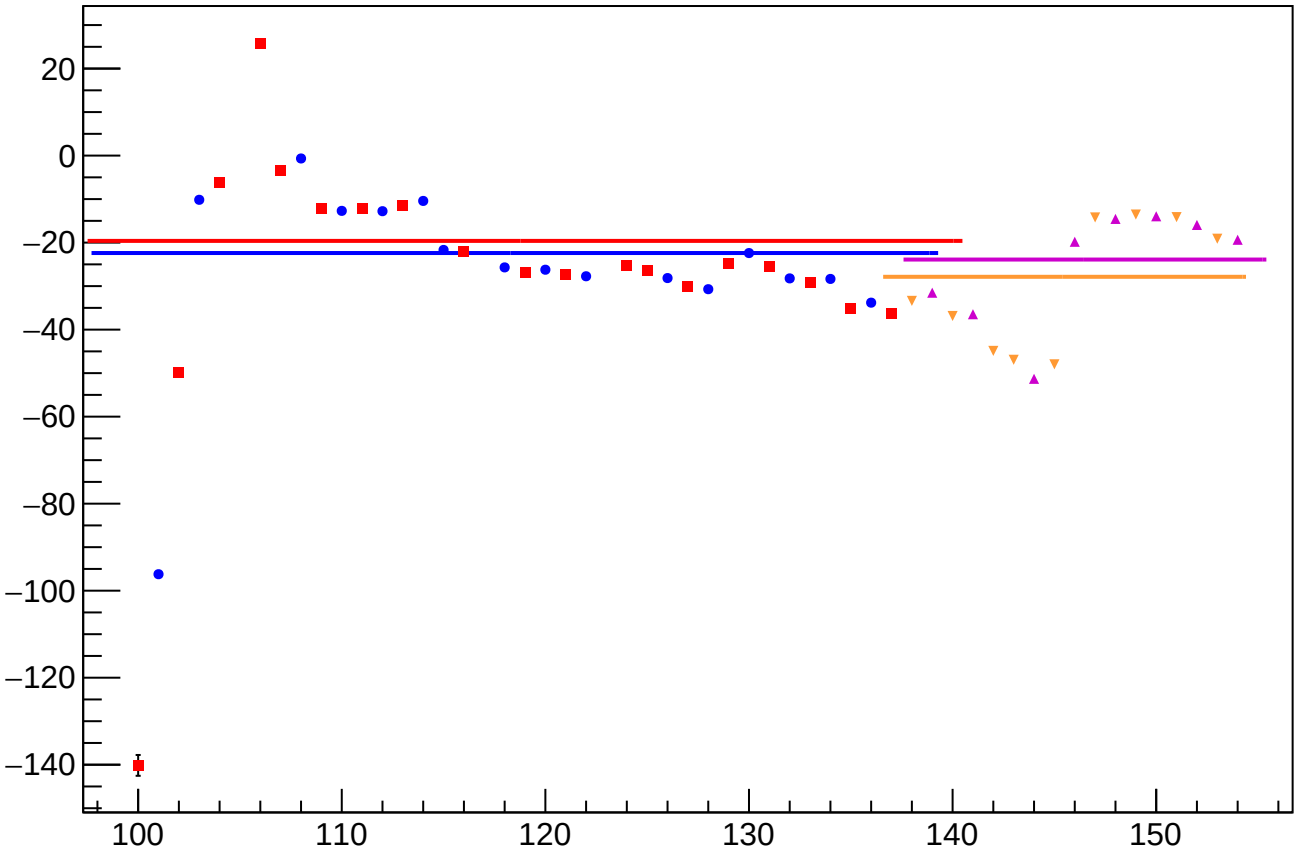
Left: -17.715+/-0.631 χ^2/NDF: 325.6/16

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -24.307+/-0.666 χ^2/NDF:687.1/23

Out: -27.540+/-0.653 χ^2/NDF:653.1/27

All: -25.957+/-0.466 χ^2/NDF: 1352.2/51



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: -23.894+/-0.042 χ^2/NDF:70907.7/7

Left: -25.808+/-0.030 χ^2/NDF: 174176.0/16

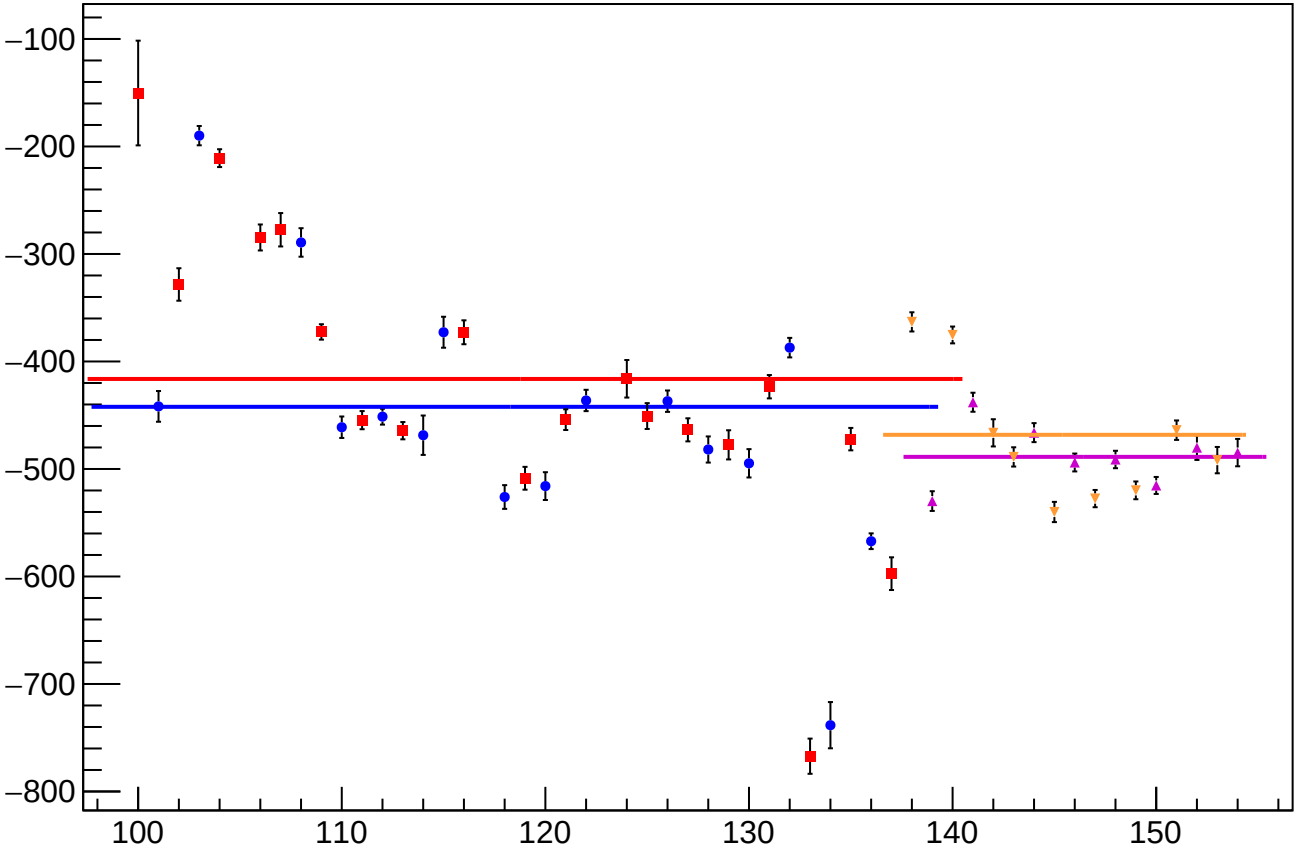
Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -23.389+/-0.034 χ^2/NDF:117866.5/23

Out: -25.026+/-0.035 χ^2/NDF:195390.7/27

All: -24.184+/-0.024 χ^2/NDF: 314395.3/51

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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: -488.727+/-3.212 χ^2/NDF:72.0/7

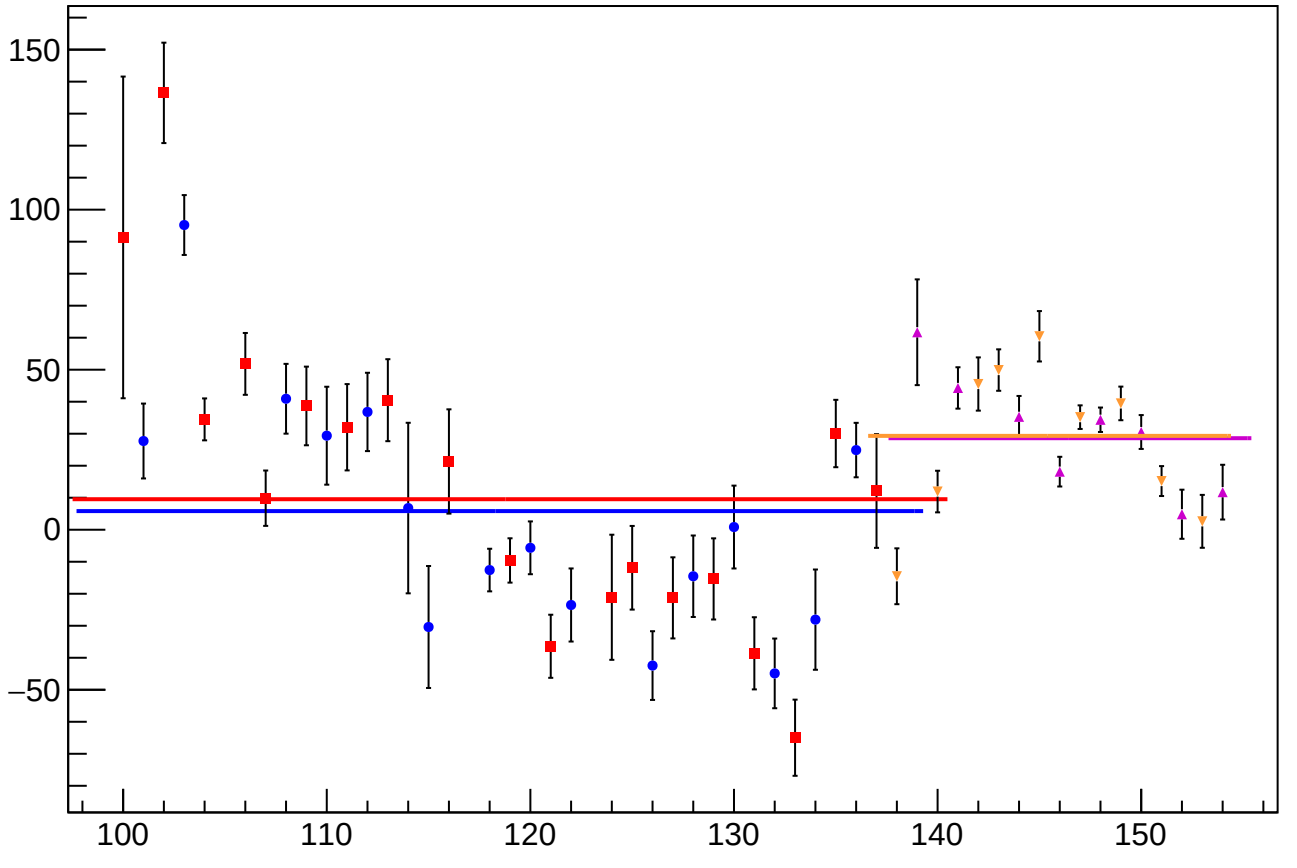
Left: -477.926+/-2.210 χ^2/NDF: 533.9/16

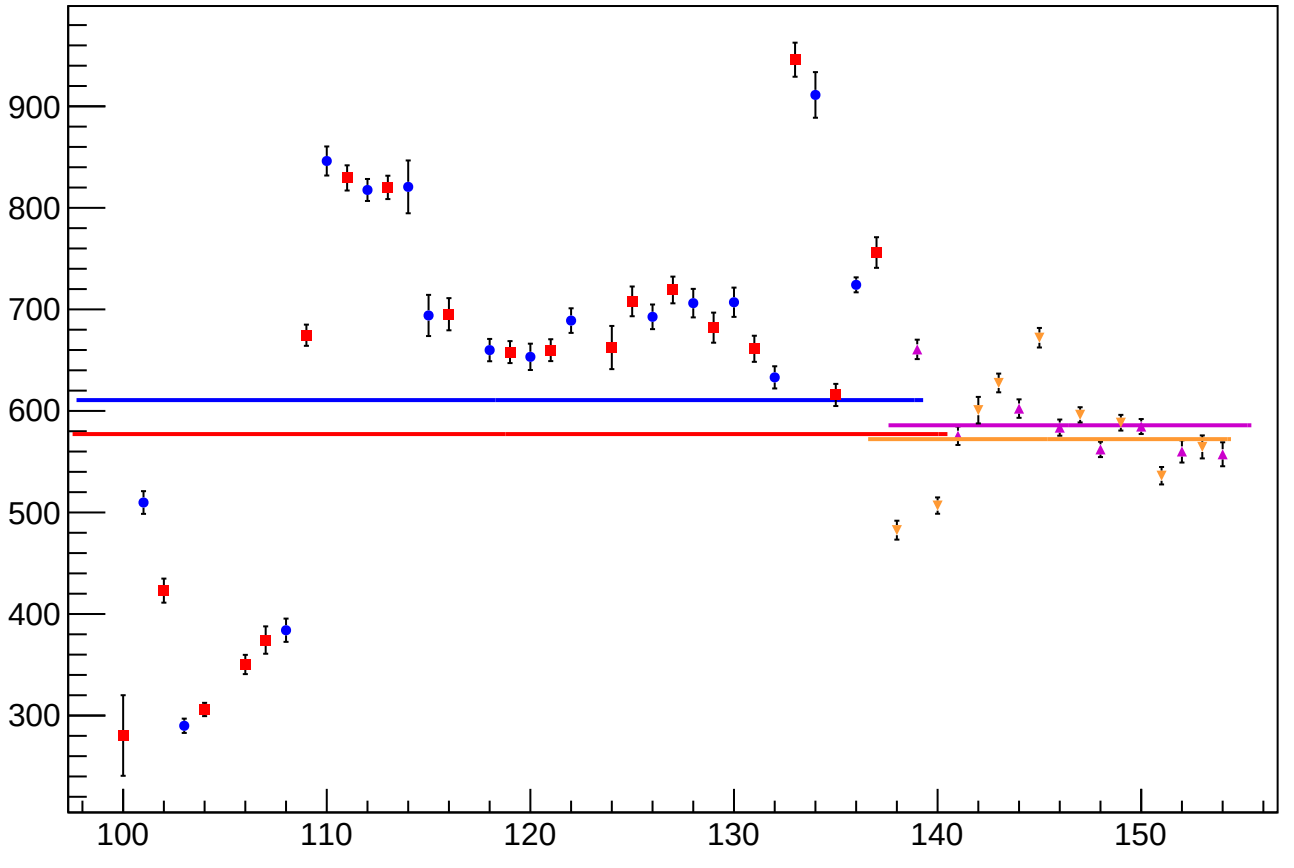
Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -461.300+/-2.059 χ^2/NDF:1784.9/23

Out: -437.411+/-1.942 χ^2/NDF:2367.0/27

All: -448.663+/-1.413 χ^2/NDF: 4223.1/51


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: 28.596+/-2.073 χ²/NDF:31.9/7
Left: 28.982+/-1.423 χ²/NDF: 119.7/16
Right: 7.800+/-1.865 χ²/NDF: 411.3/34
In: 20.259+/-1.651 χ²/NDF:264.2/23
Out: 22.018+/-1.553 χ²/NDF:347.7/27
All: 21.192+/-1.131 χ²/NDF: 612.5/51



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: 585.859+/-3.128 χ^2/NDF:87.0/7

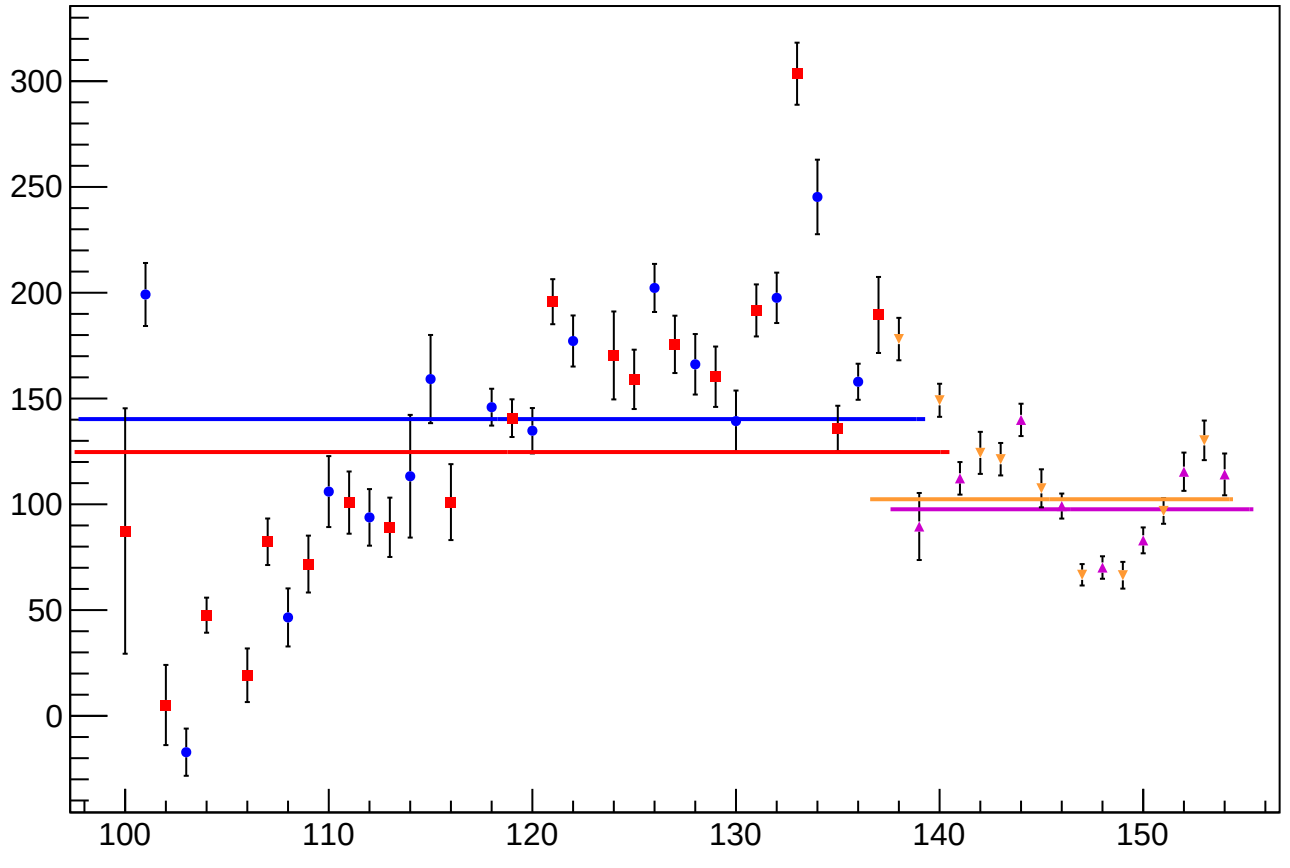
Left: 578.751+/-2.164 χ^2/NDF: 436.6/16

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 599.230+/-2.123 χ^2/NDF:4013.4/23

Out: 574.924+/-2.028 χ^2/NDF:5141.5/27

All: 586.520+/-1.467 χ^2/NDF: 9223.5/51



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: 97.649+/-2.572 χ^2/NDF:73.8/7

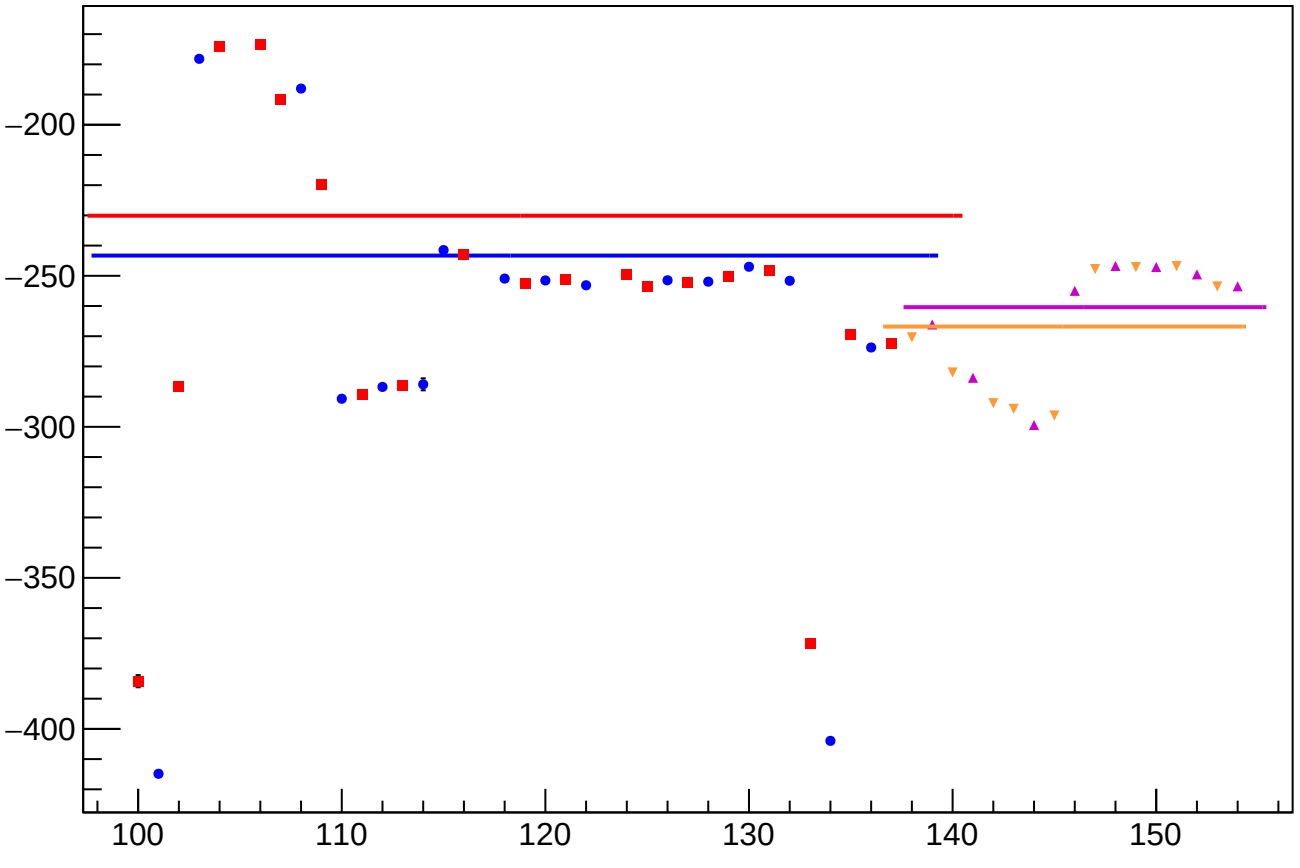
Left: 100.150+/-1.769 χ^2/NDF: 271.4/16

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 114.693+/-1.993 χ^2/NDF:569.0/23

Out: 111.335+/-1.886 χ^2/NDF:738.0/27

All: 112.922+/-1.370 χ^2/NDF: 1308.4/51



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: -260.386+/-0.124 χ^2/NDF:18663.6/7

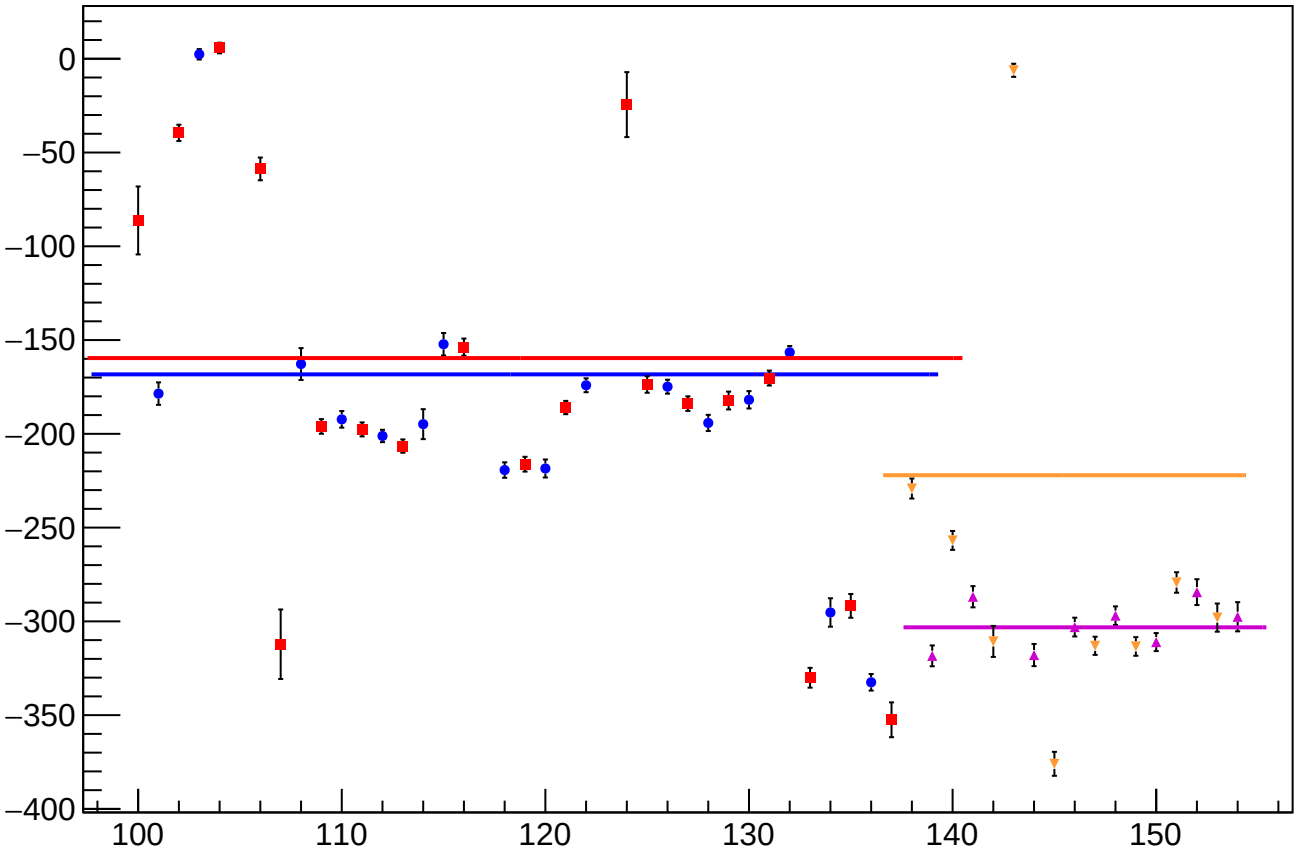
Left: -263.617+/-0.088 χ^2/NDF: 46627.3/16

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -254.090+/-0.099 χ^2/NDF:199123.3/23

Out: -252.824+/-0.097 χ^2/NDF:162733.5/27

All: -253.447+/-0.069 χ^2/NDF: 361940.3/51



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: -303.171+/-1.986 χ^2/NDF:34.2/7

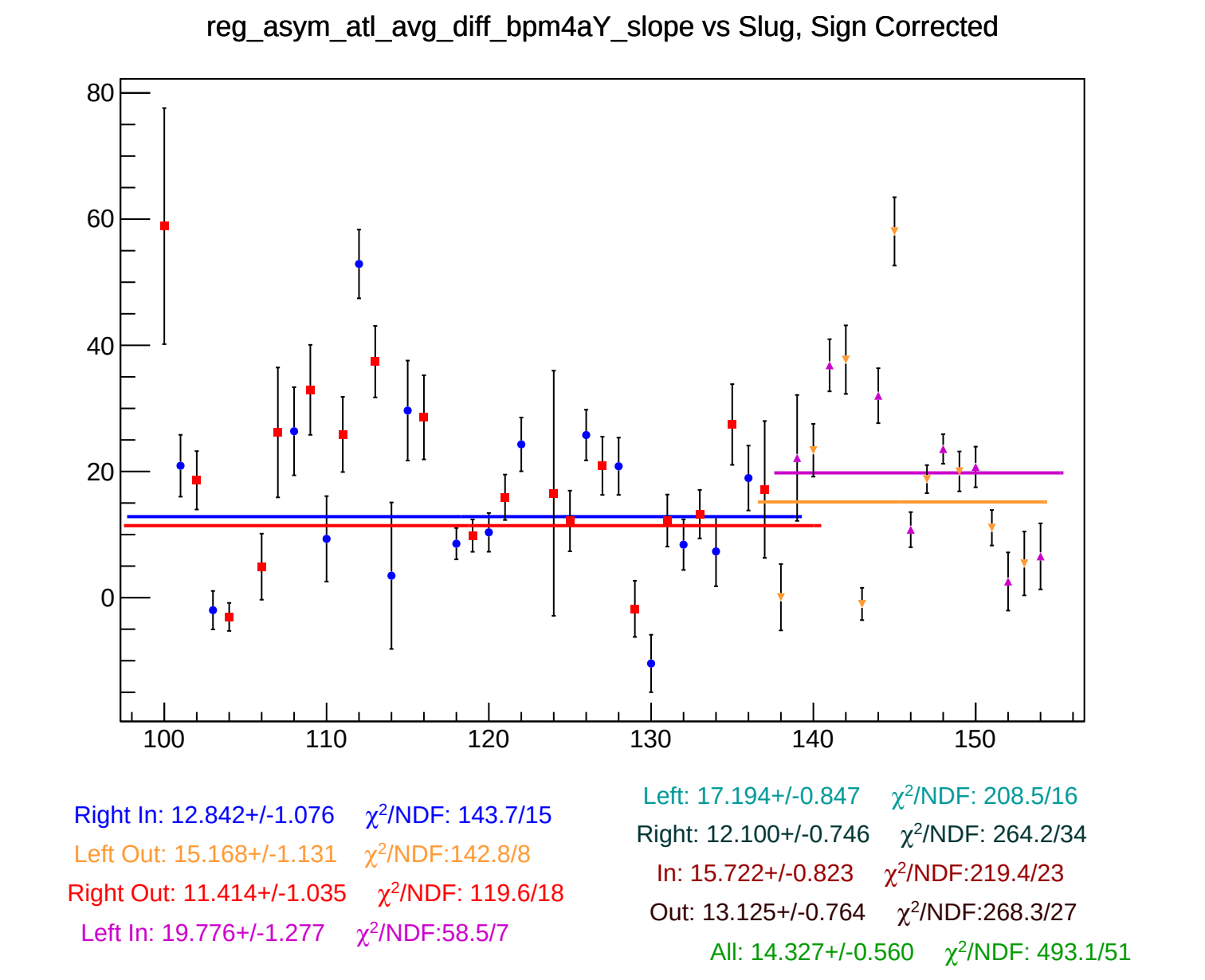
Left: -257.358+/-1.310 χ^2/NDF: 6408.5/16

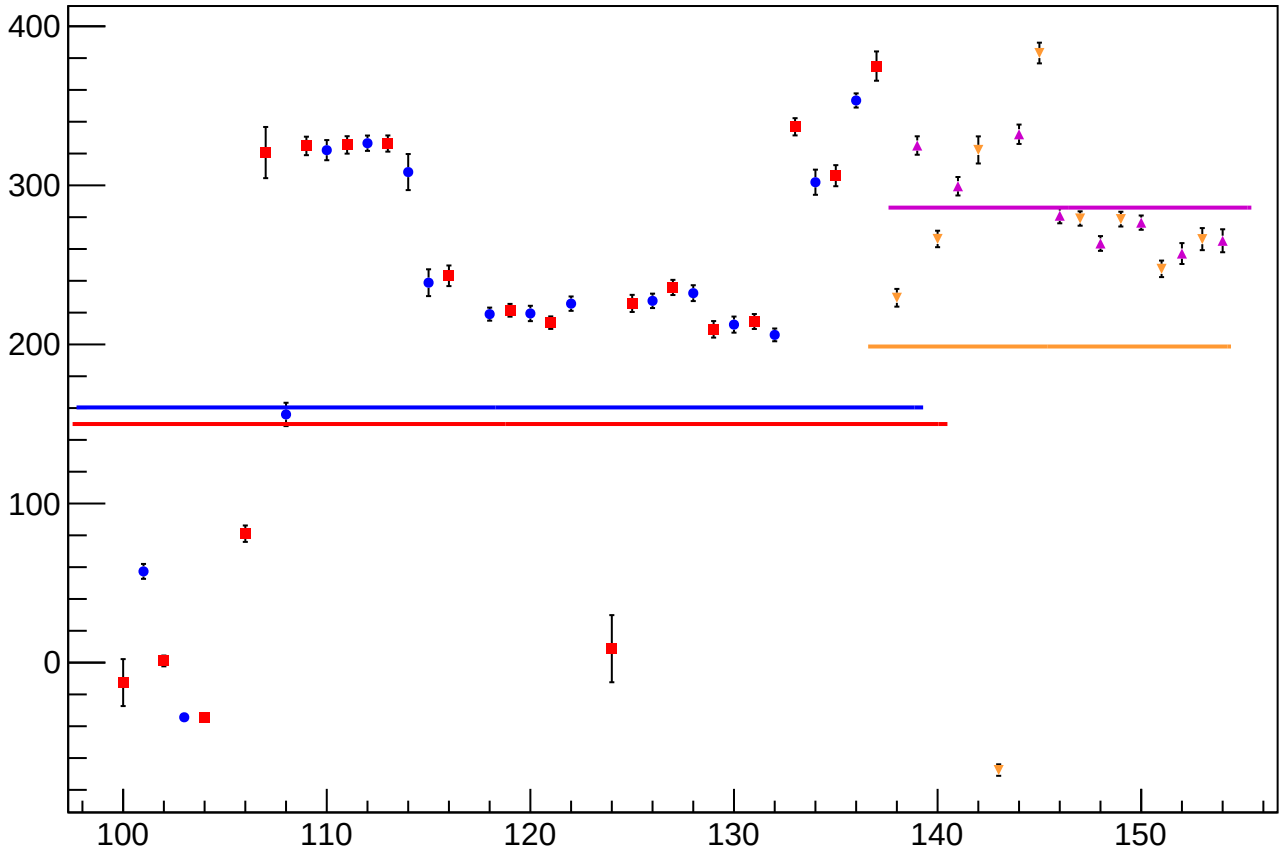
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -198.890+/-0.946 χ^2/NDF:9508.2/23

Out: -176.055+/-0.895 χ^2/NDF:13575.9/27

All: -186.836+/-0.650 χ^2/NDF: 23391.7/51


reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
100
110
120
130
140
150
Right In: 12.842+/-1.076 χ2/NDF: 143.7/15
Left Out: 15.168+/-1.131 χ2/NDF:142.8/8
Right Out: 11.414+/-1.035 χ2/NDF: 119.6/18
Left In: 19.776+/-1.277 χ2/NDF:58.5/7
Left: 17.194+/-0.847 χ2/NDF: 208.5/16
Right: 12.100+/-0.746 χ2/NDF: 264.2/34
In: 15.722+/-0.823 χ2/NDF:219.4/23
Out: 13.125+/-0.764 χ2/NDF:268.3/27
All: 14.327+/-0.560 χ2/NDF: 493.1/51



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: 286.006+/-1.930 χ^2/NDF:164.8/7

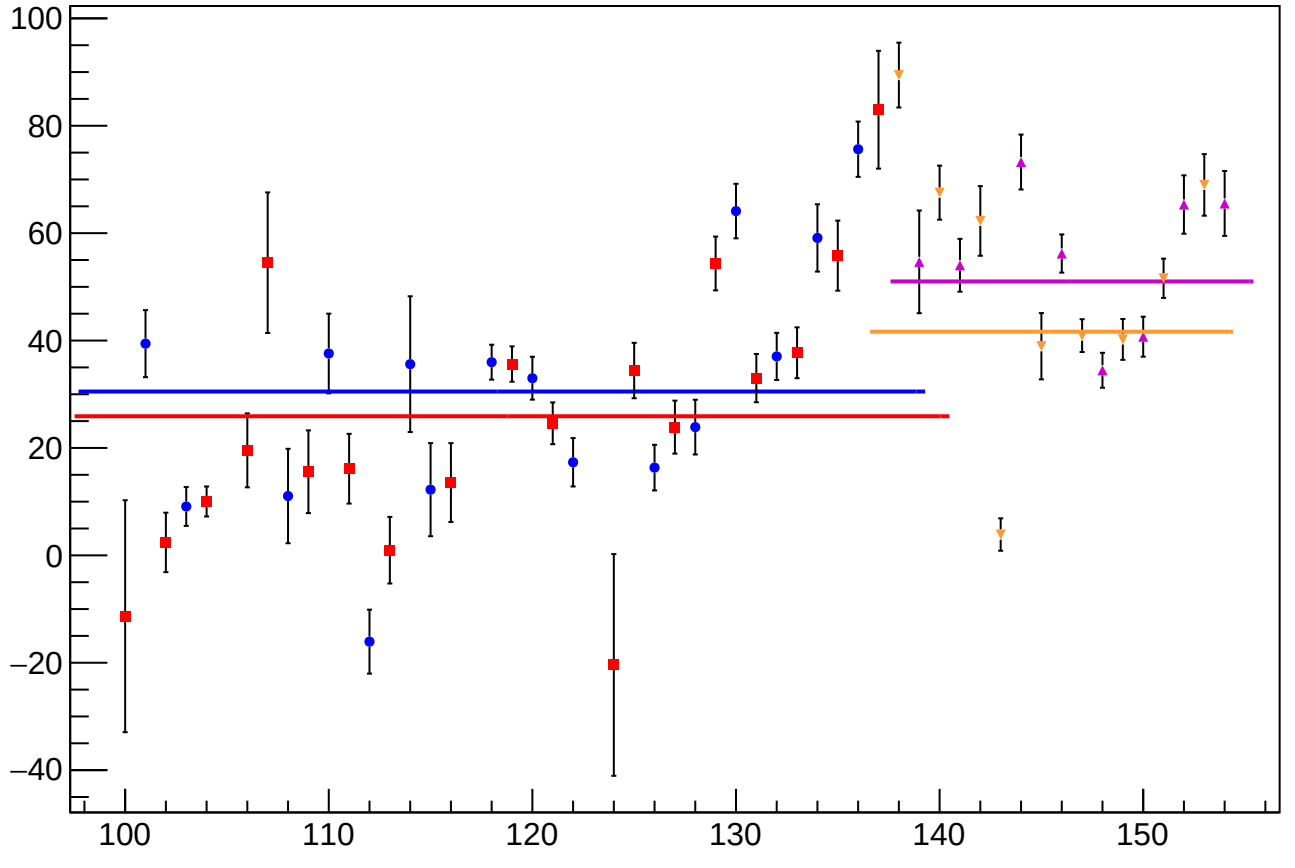
Left: 237.416+/-1.285 χ^2/NDF: 8755.0/16

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 192.844+/-0.981 χ^2/NDF:17255.0/23

Out: 164.204+/-0.931 χ^2/NDF:24282.9/27

All: 177.780+/-0.675 χ^2/NDF: 41986.2/51



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: 51.011+/-1.586 χ^2/NDF:67.8/7

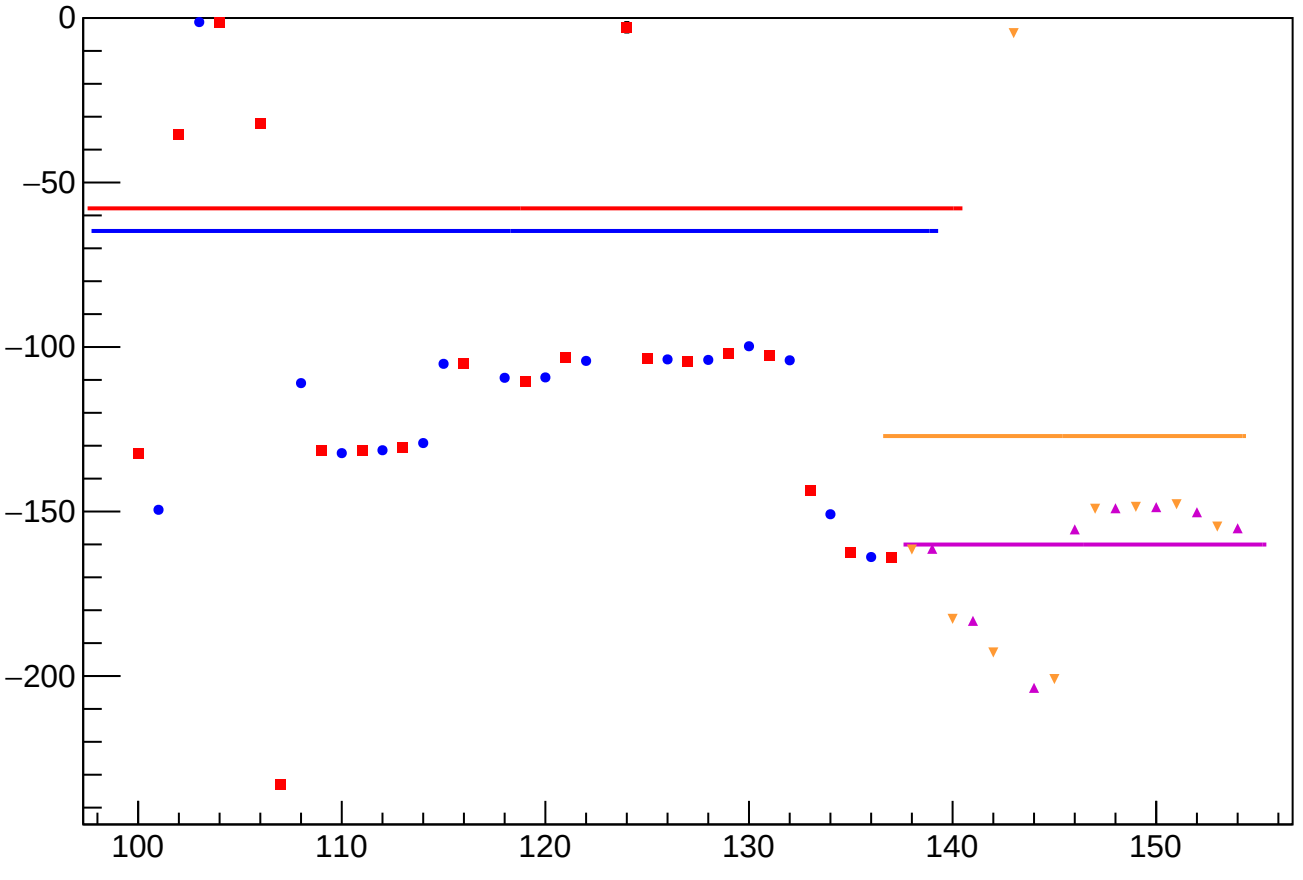
Left: 45.758+/-1.051 χ^2/NDF: 373.9/16

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 38.400+/-0.984 χ^2/NDF:447.5/23

Out: 32.642+/-0.917 χ^2/NDF:546.5/27

All: 35.320+/-0.671 χ^2/NDF: 1012.3/51



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: -160.036+/-0.076 χ^2/NDF:44934.2/7

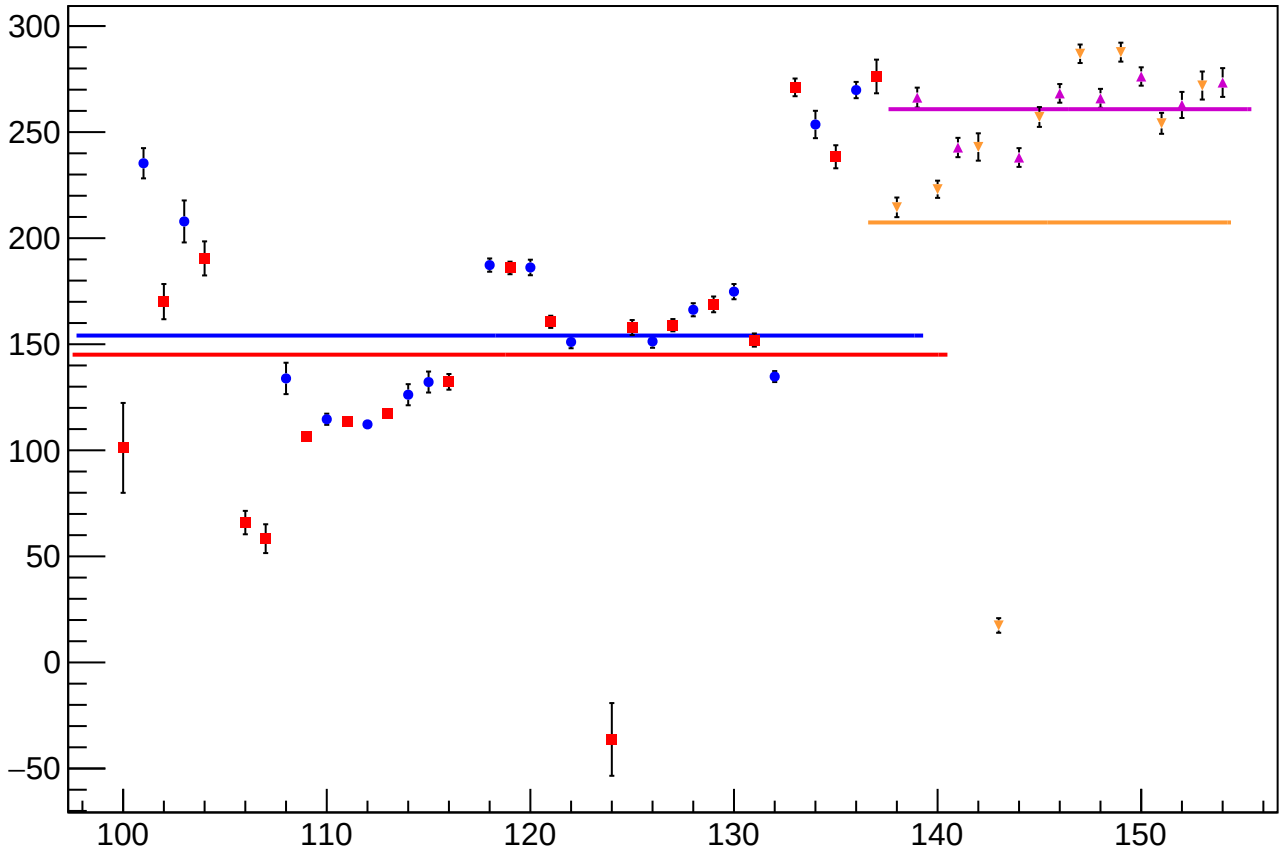
Left: -142.335+/-0.052 χ^2/NDF: 1059461.0/16

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -103.862+/-0.049 χ^2/NDF:2005988.5/23

Out: -87.886+/-0.047 χ^2/NDF:2328502.0/27

All: -95.505+/-0.034 χ^2/NDF: 4390160.1/51



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: 260.805+/-1.695 χ^2/NDF:64.1/7

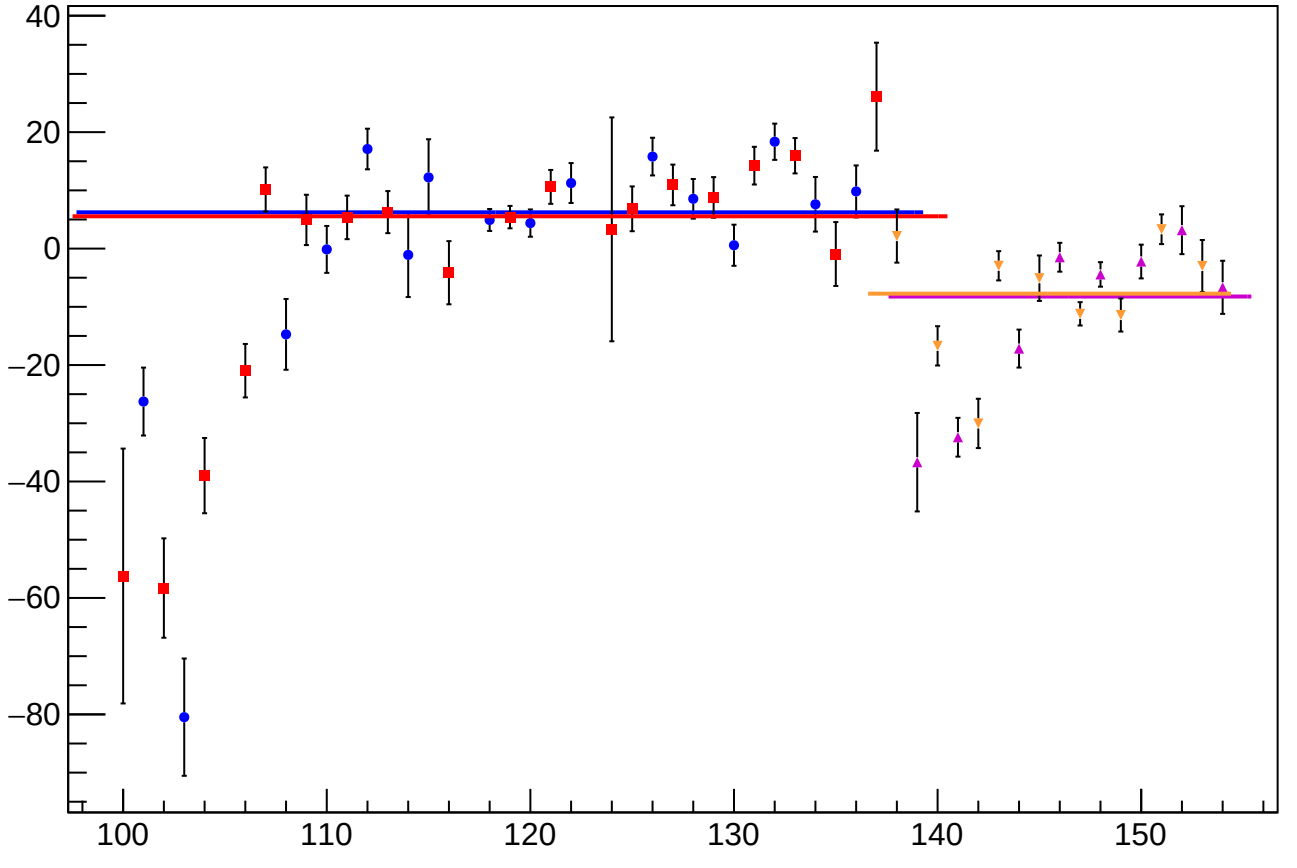
Left: 231.361+/-1.135 χ^2/NDF: 4653.7/16

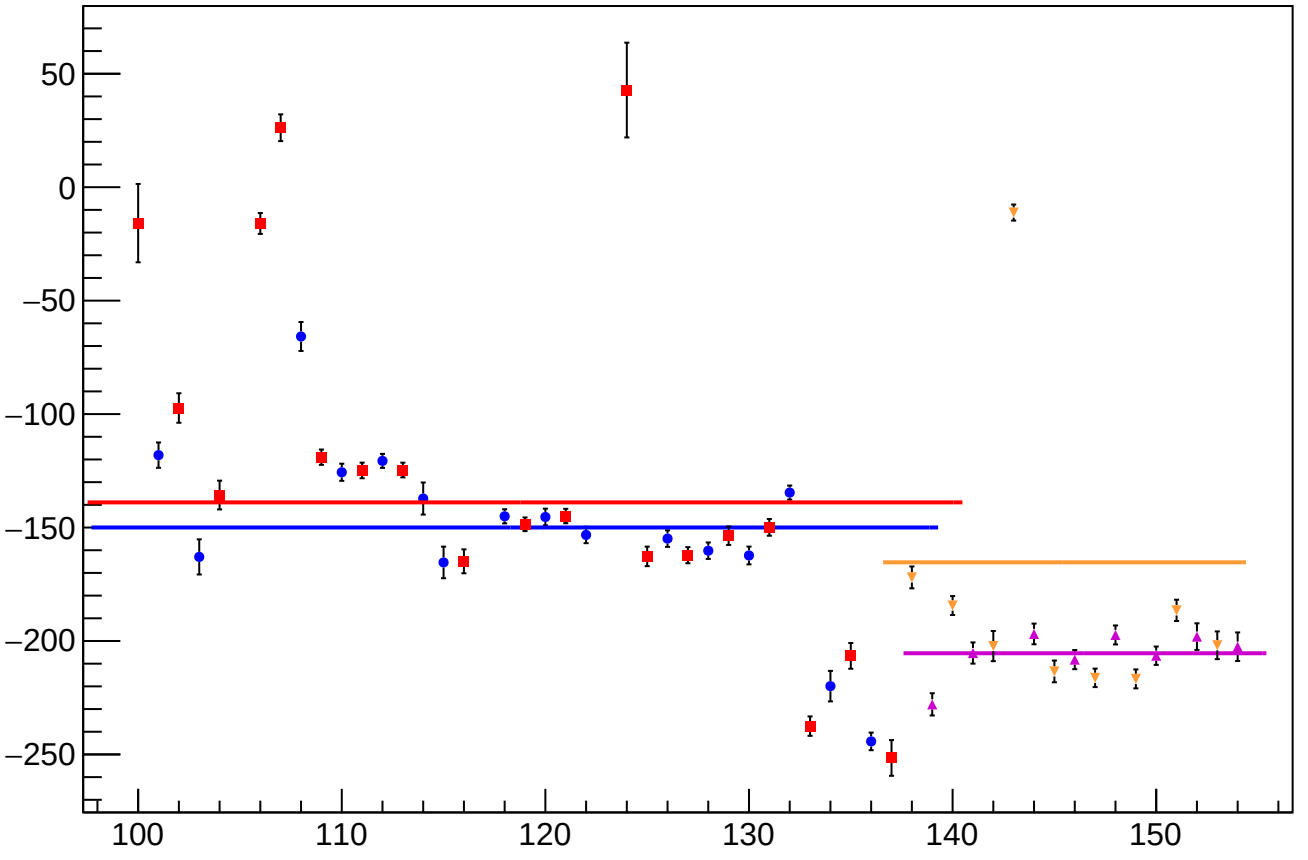
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 176.319+/-0.773 χ^2/NDF:5484.7/23

Out: 159.172+/-0.727 χ^2/NDF:8287.4/27

All: 167.213+/-0.530 χ^2/NDF: 14033.2/51


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: -8.229+/-1.109 χ²/NDF:94.3/7
Left: -7.960+/-0.744 χ²/NDF: 162.5/16
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 0.564+/-0.694 χ²/NDF:359.7/23
Out: -0.296+/-0.666 χ²/NDF:347.4/27
All: 0.116+/-0.480 χ²/NDF: 707.9/51



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: -205.407+/-1.655 χ^2/NDF:30.7/7

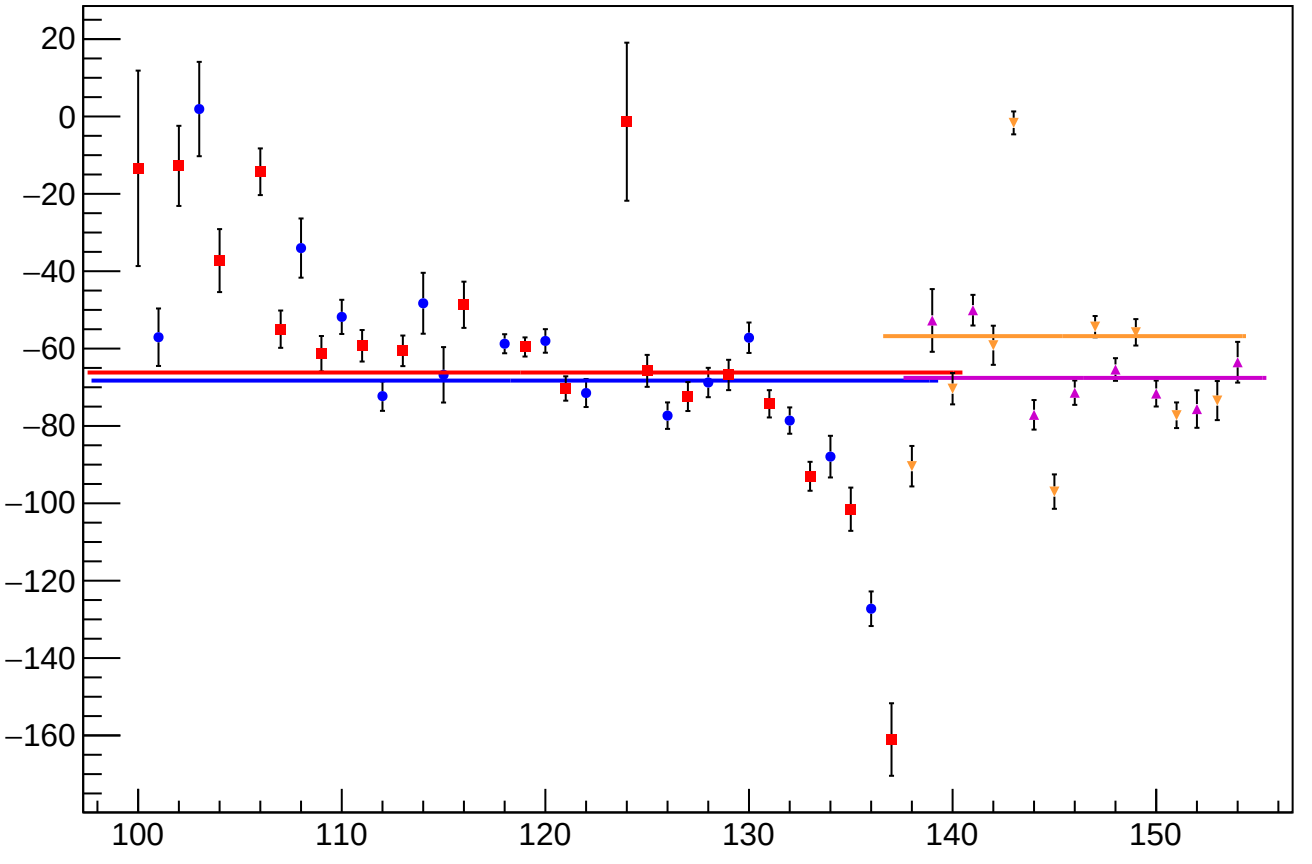
Left: -183.589+/-1.117 χ^2/NDF: 2761.0/16

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -165.353+/-0.872 χ^2/NDF:1940.8/23

Out: -146.860+/-0.831 χ^2/NDF:5374.7/27

All: -155.660+/-0.601 χ^2/NDF: 7551.4/51



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: -67.579+/-1.371 χ^2/NDF:35.9/7

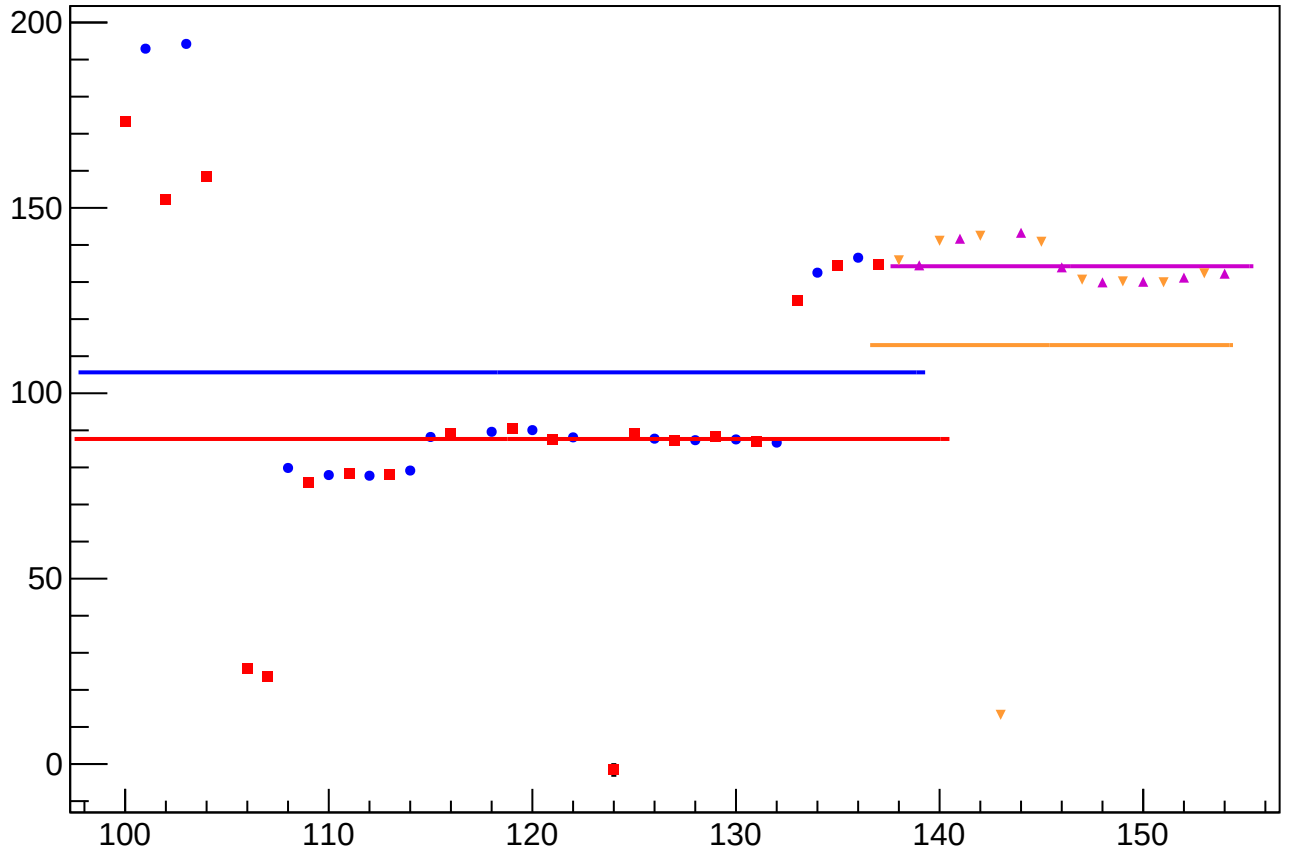
Left: -61.647+/-0.920 χ^2/NDF: 600.6/16

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -68.021+/-0.825 χ^2/NDF:351.5/23

Out: -62.378+/-0.790 χ^2/NDF:923.0/27

All: -65.076+/-0.571 χ^2/NDF: 1298.9/51



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: 134.261+/-0.066 χ^2/NDF:5090.6/7

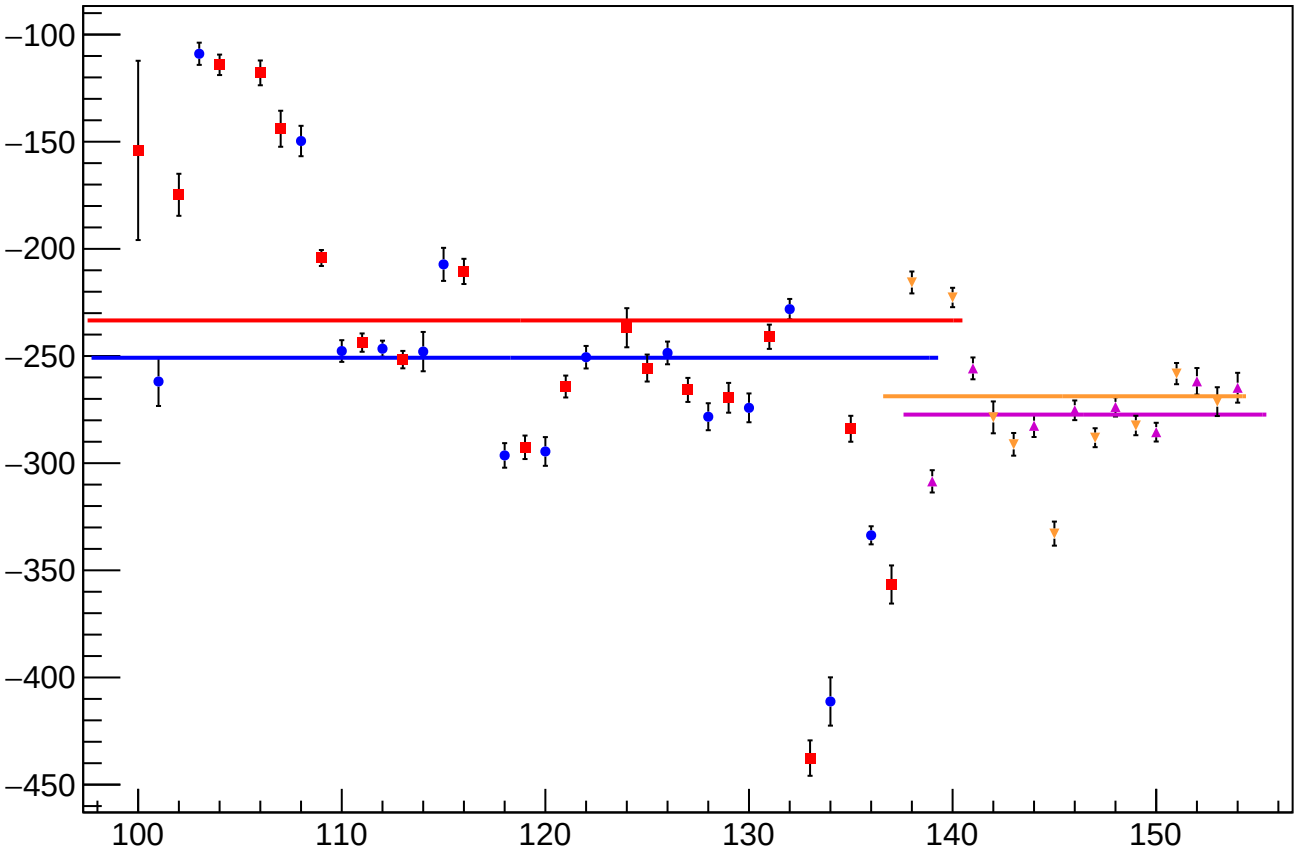
Left: 123.061+/-0.045 χ^2/NDF: 625702.4/16

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 121.012+/-0.048 χ^2/NDF:332396.8/23

Out: 100.983+/-0.045 χ^2/NDF:1018235.3/27

All: 110.356+/-0.033 χ^2/NDF: 1442528.9/51



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: -277.335+/-1.802 χ^2/NDF:68.6/7

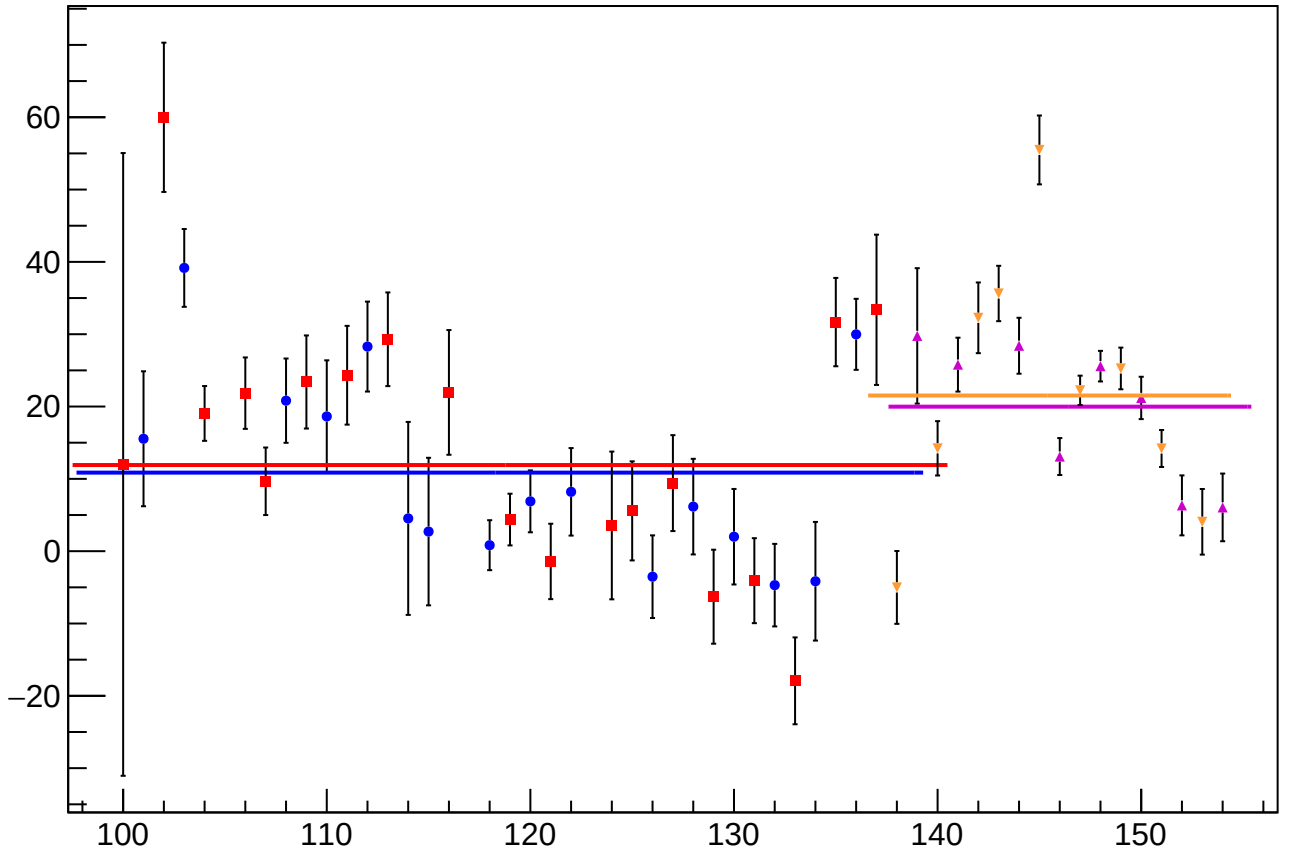
Left: -272.874+/-1.247 χ^2/NDF: 475.2/16

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -261.131+/-1.124 χ^2/NDF:1936.6/23

Out: -246.615+/-1.055 χ^2/NDF:3036.5/27

All: -253.415+/-0.769 χ^2/NDF: 5061.7/51



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: 19.981+/-1.157 χ^2/NDF:42.4/7

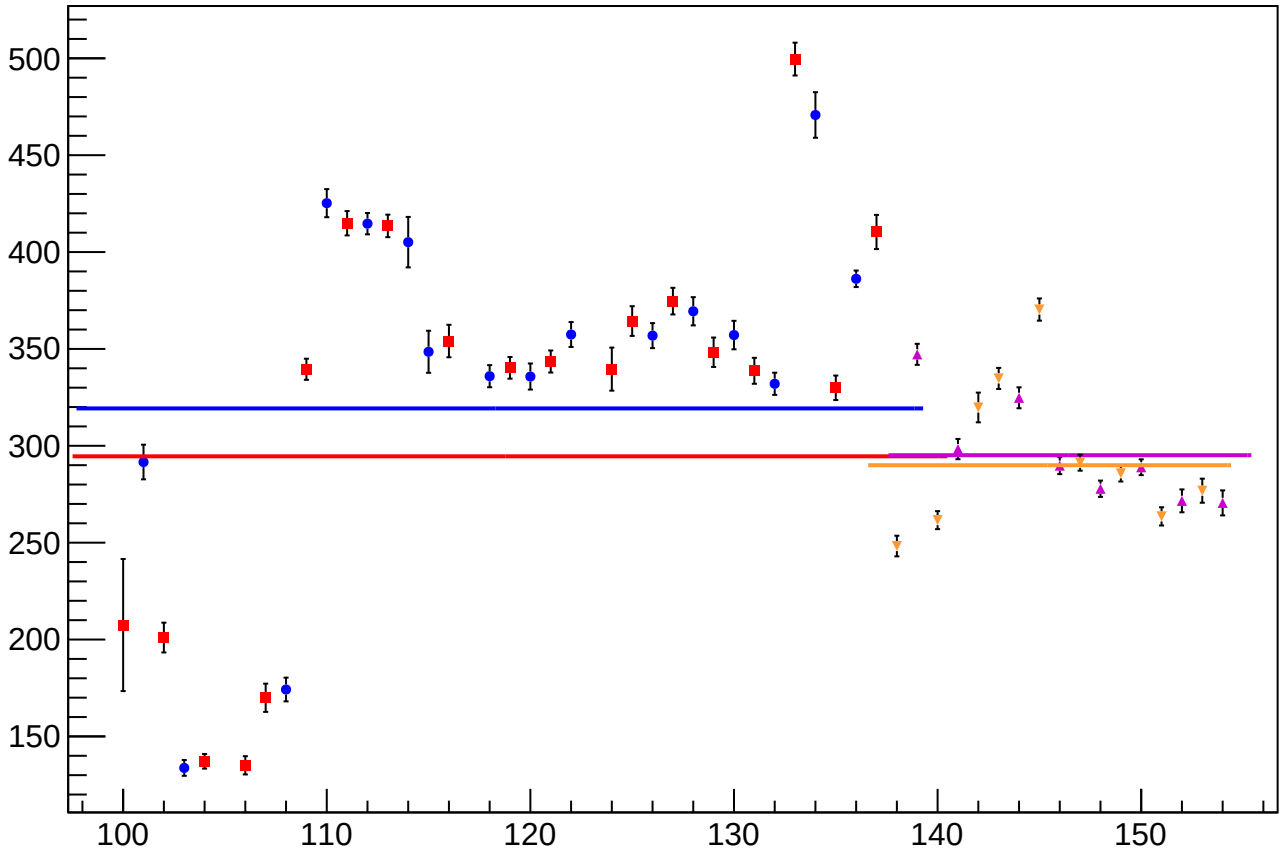
Left: 20.792+/-0.796 χ^2/NDF: 169.1/16

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 16.497+/-0.909 χ^2/NDF:150.8/23

Out: 17.756+/-0.856 χ^2/NDF:267.6/27

All: 17.164+/-0.623 χ^2/NDF: 419.5/51



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: 295.146+/-1.751 χ^2/NDF:173.8/7

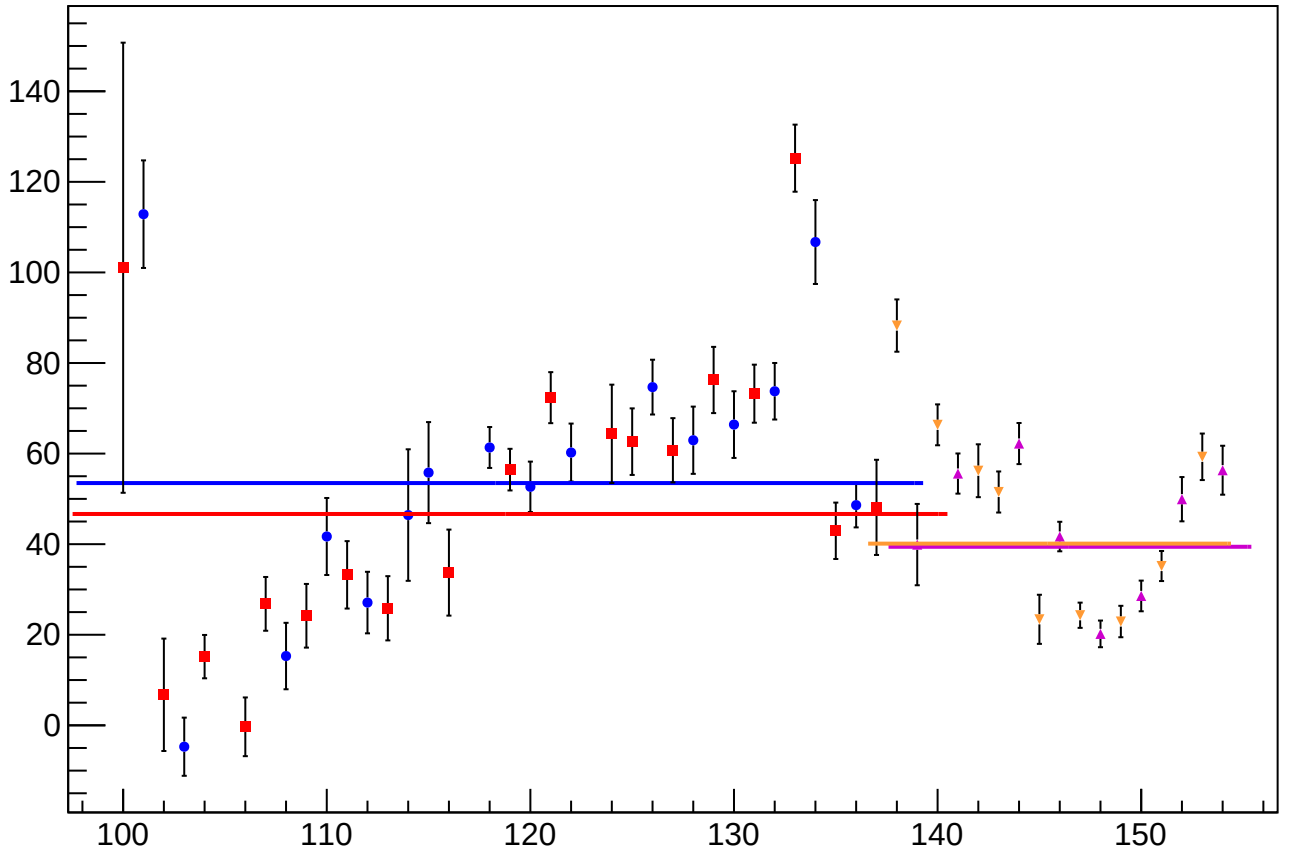
Left: 292.476+/-1.218 χ^2/NDF: 593.5/16

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 308.412+/-1.176 χ^2/NDF:4071.2/23

Out: 292.578+/-1.115 χ^2/NDF:5922.6/27

All: 300.078+/-0.809 χ^2/NDF: 10089.2/51



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: 39.425+/-1.436 χ^2/NDF:106.4/7

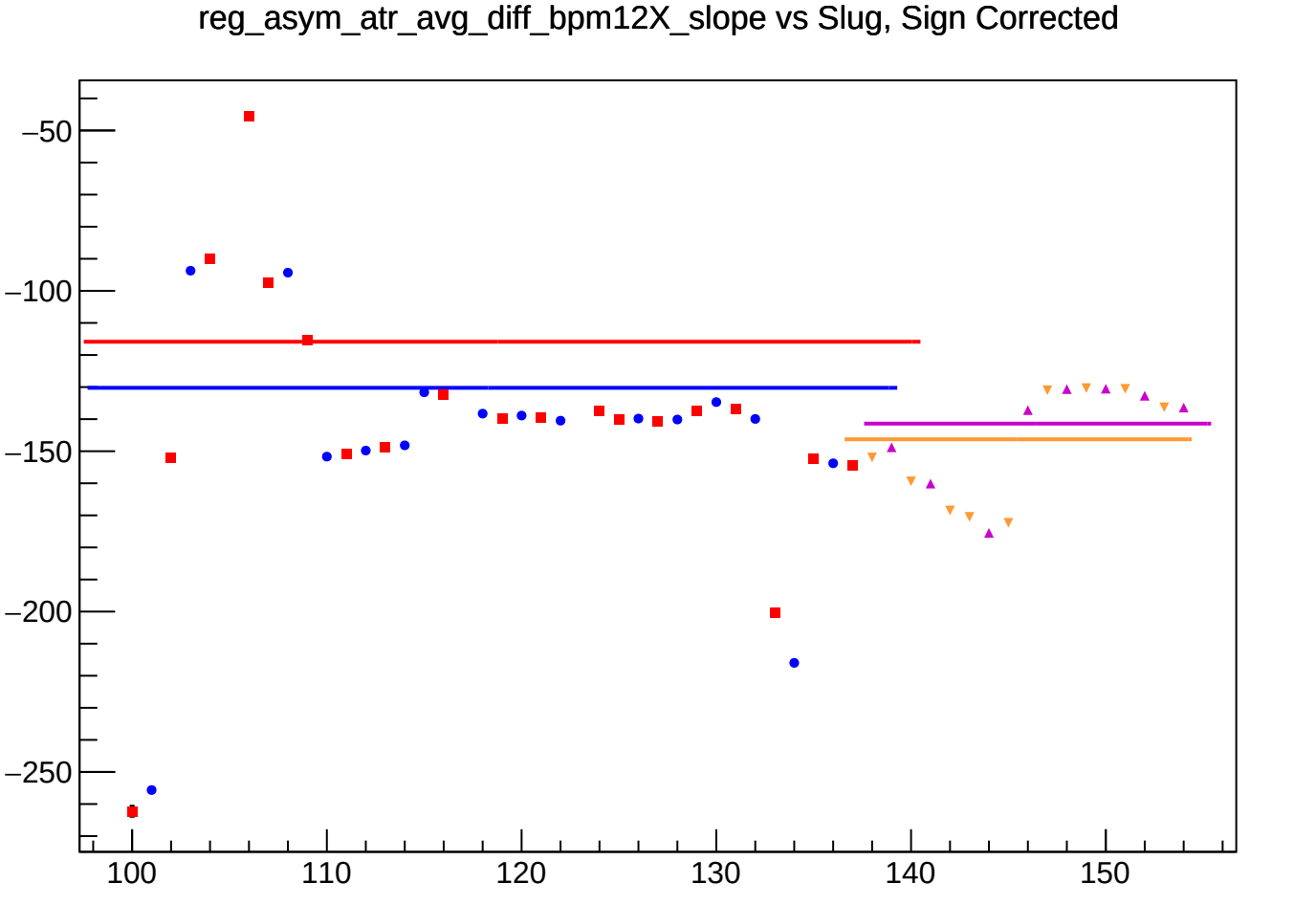
Left: 39.788+/-0.992 χ^2/NDF: 306.2/16

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 45.290+/-1.097 χ^2/NDF:363.6/23

Out: 42.905+/-1.039 χ^2/NDF:535.0/27

All: 44.033+/-0.754 χ^2/NDF: 901.1/51



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: -141.394+/-0.069 χ^2/NDF:39875.0/7

Left: -143.826+/-0.049 χ^2/NDF: 100854.1/16

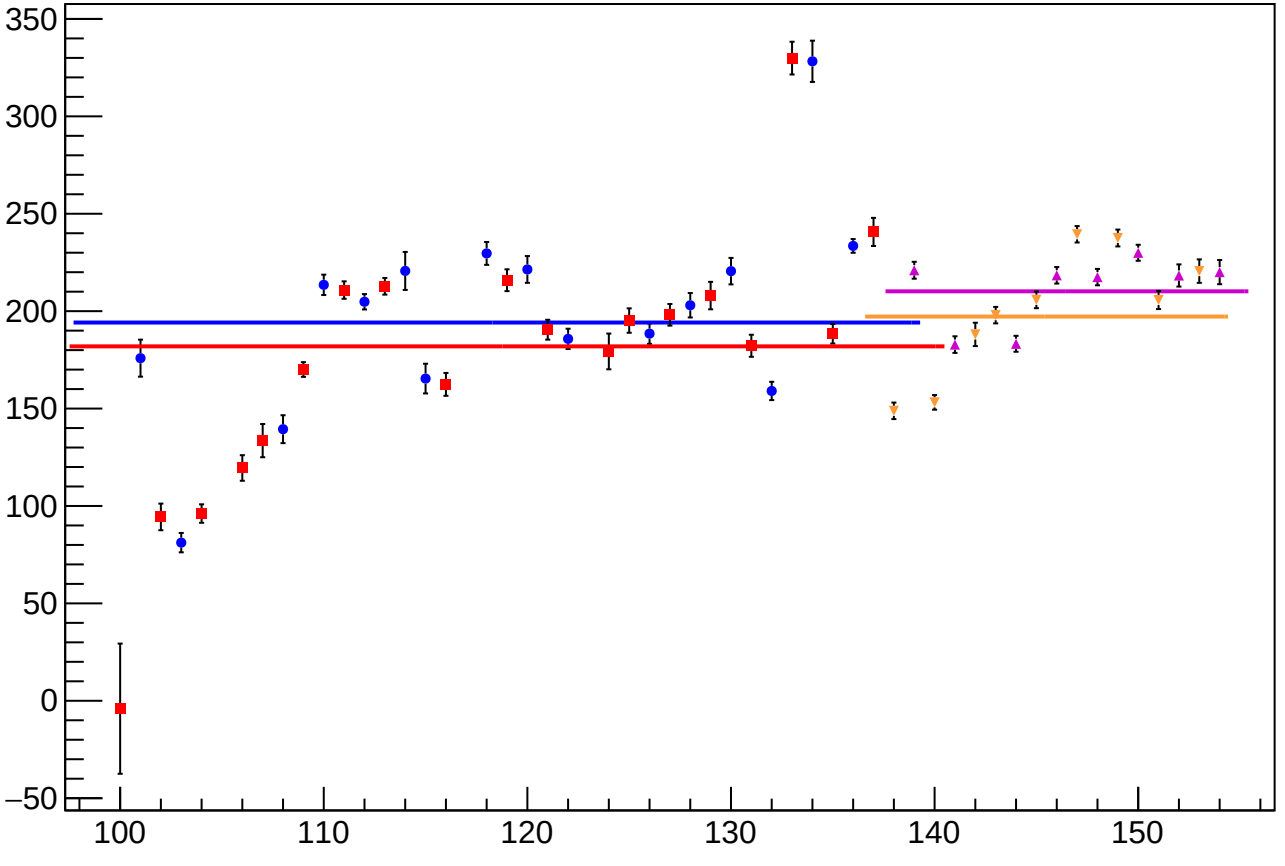
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -137.296+/-0.055 χ^2/NDF:223578.8/23

Out: -134.173+/-0.054 χ^2/NDF:340193.7/27

All: -135.703+/-0.039 χ^2/NDF: 565406.4/51

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: 210.181+/-1.589 χ^2/NDF:125.4/7

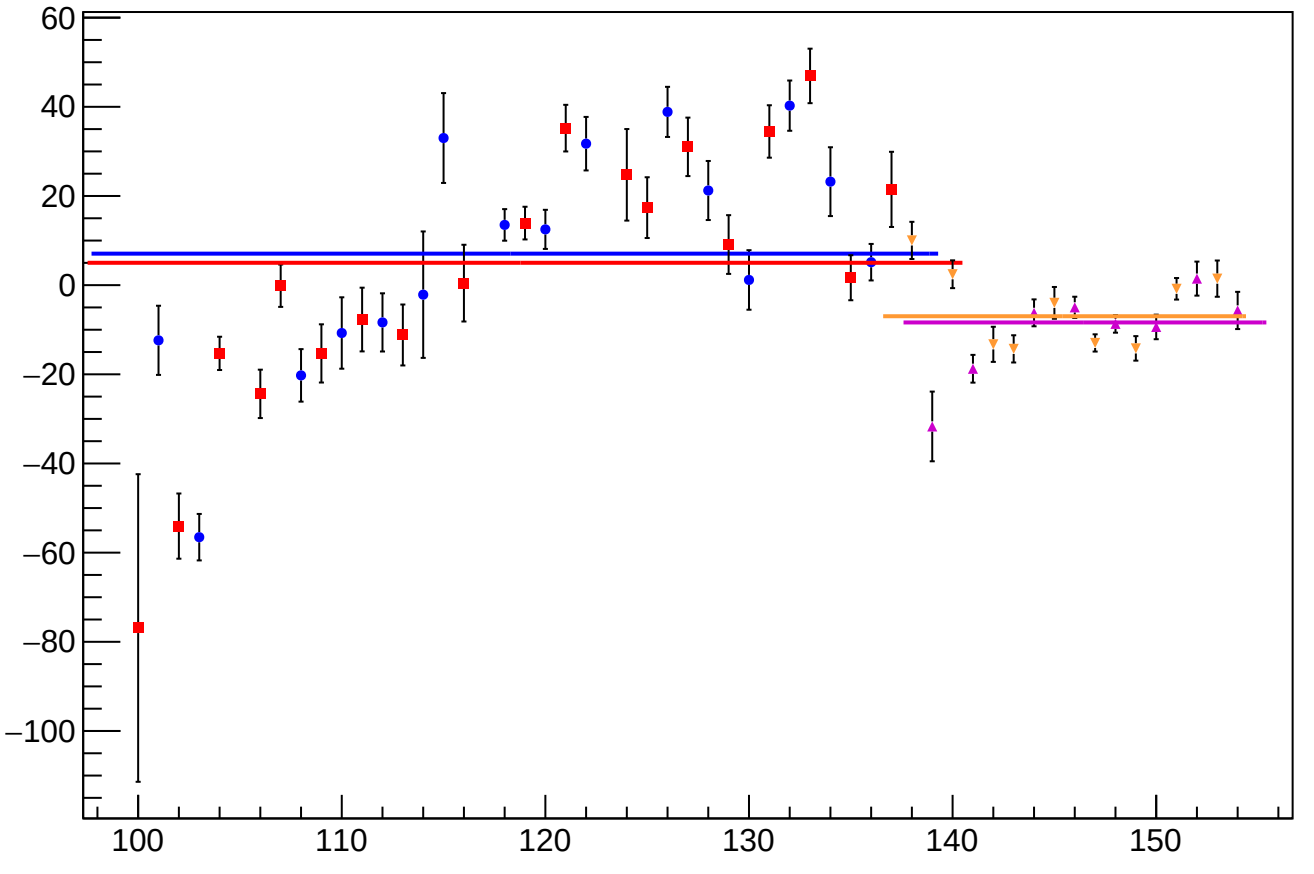
Left: 203.302+/-1.088 χ^2/NDF: 641.3/16

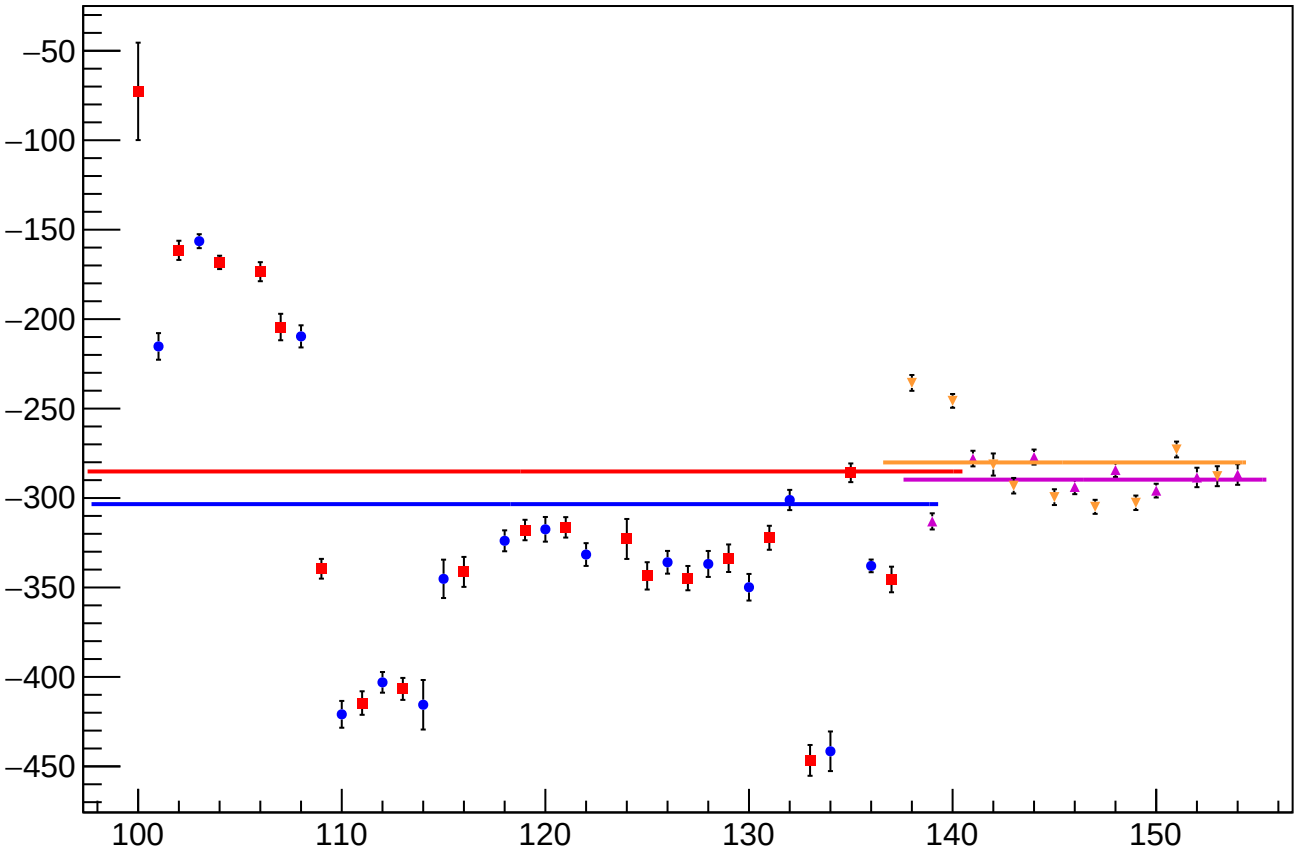
Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 201.202+/-1.053 χ^2/NDF:1217.5/23

Out: 188.650+/-0.990 χ^2/NDF:1744.3/27

All: 194.536+/-0.721 χ^2/NDF: 3037.2/51


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 7.066+/-1.443 χ²/NDF: 292.6/15
Left Out: -6.973+/-0.979 χ²/NDF:62.1/8
Right Out: 5.015+/-1.355 χ²/NDF: 288.5/18
Left In: -8.369+/-1.044 χ²/NDF:29.8/7
Left: -7.627+/-0.714 χ²/NDF: 92.8/16
Right: 5.976+/-0.988 χ²/NDF: 582.2/34
In: -3.067+/-0.846 χ²/NDF:397.5/23
Out: -2.858+/-0.794 χ²/NDF:402.0/27
All: -2.956+/-0.579 χ²/NDF: 799.5/51



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: -289.721+/-1.553 χ^2/NDF:48.7/7

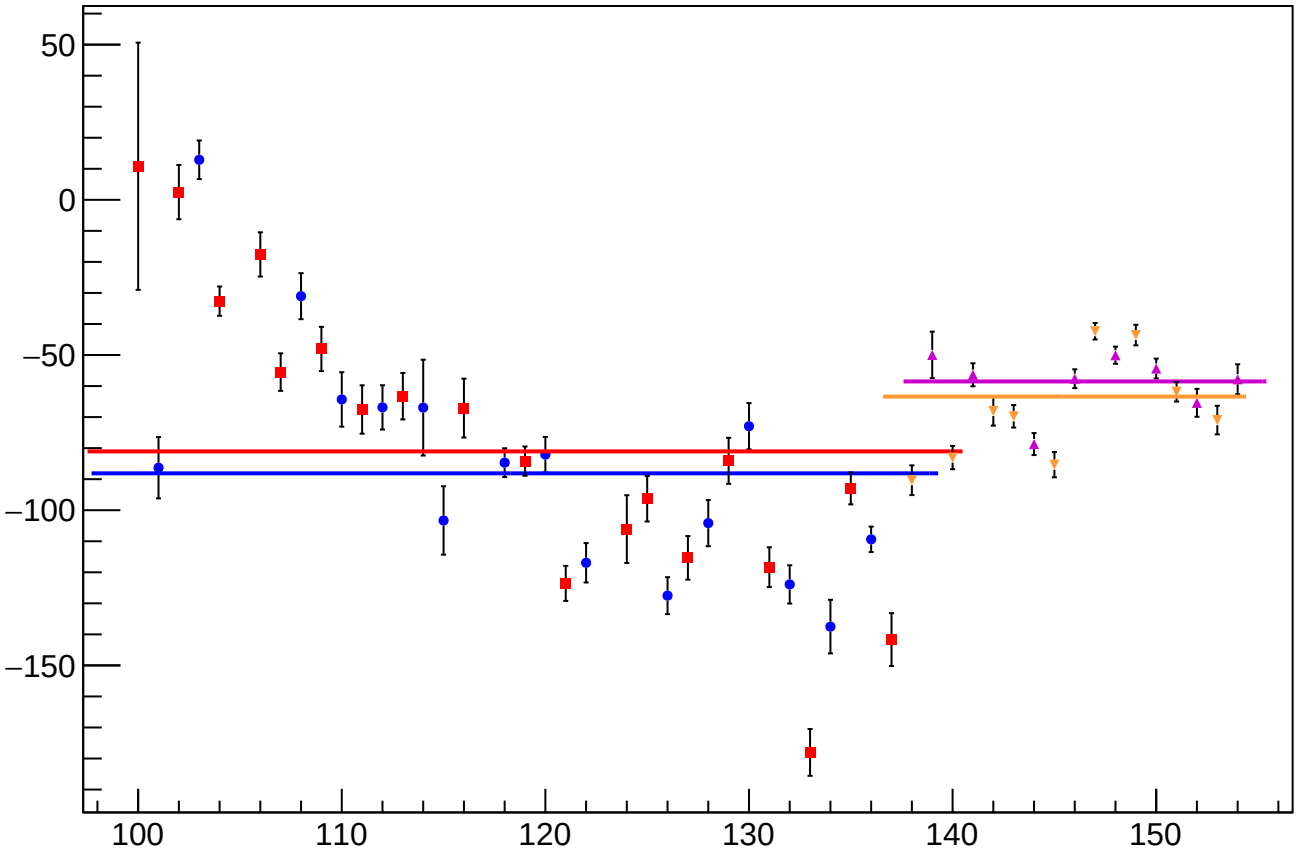
Left: -284.671+/-1.070 χ^2/NDF: 353.5/16

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -296.665+/-1.090 χ^2/NDF:2873.6/23

Out: -282.670+/-1.035 χ^2/NDF:4045.4/27

All: -289.307+/-0.750 χ^2/NDF: 7005.7/51



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: -58.510+/-1.289 χ^2/NDF:47.7/7

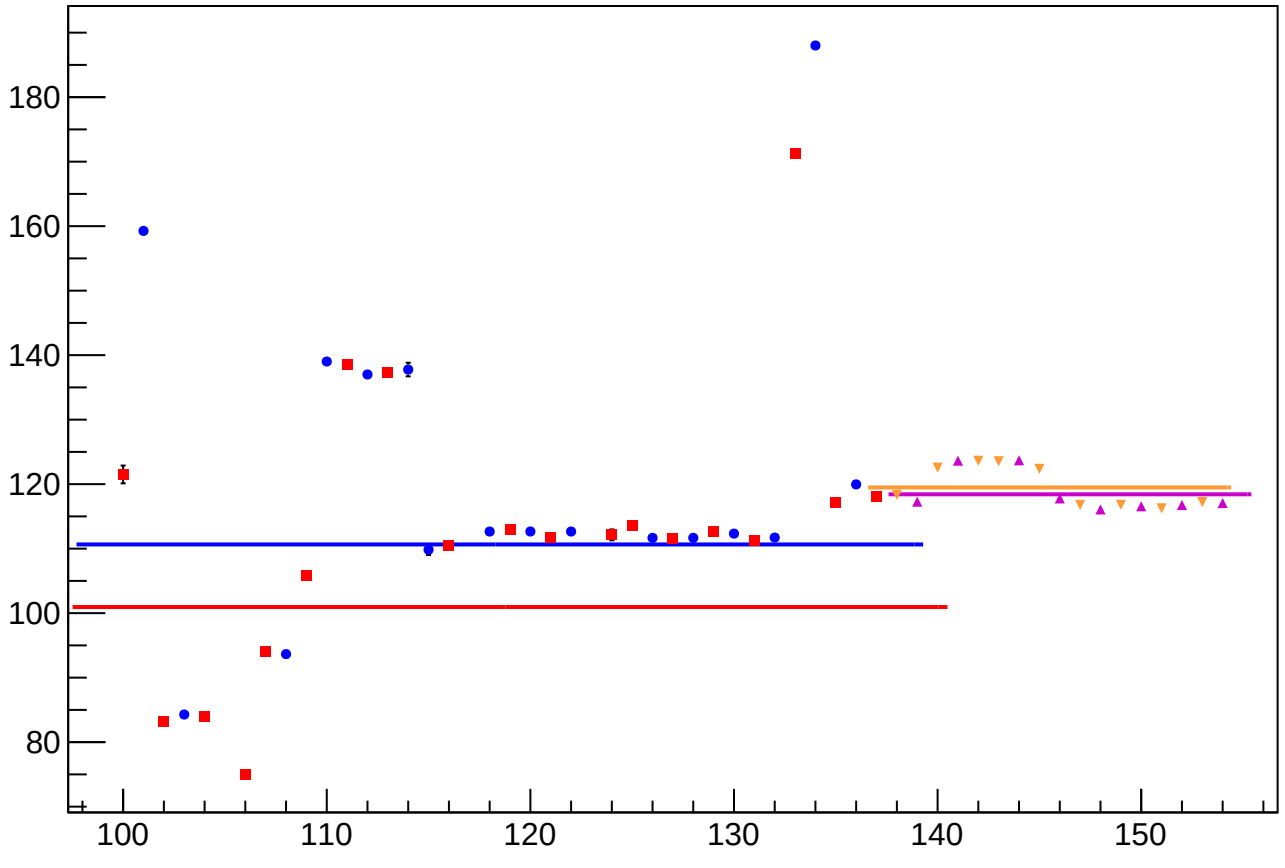
Left: -61.097+/-0.883 χ^2/NDF: 249.5/16

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -69.690+/-1.017 χ^2/NDF:758.8/23

Out: -69.996+/-0.960 χ^2/NDF:951.0/27

All: -69.852+/-0.698 χ^2/NDF: 1709.9/51



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: 118.425+/-0.062 χ^2/NDF:2179.2/7

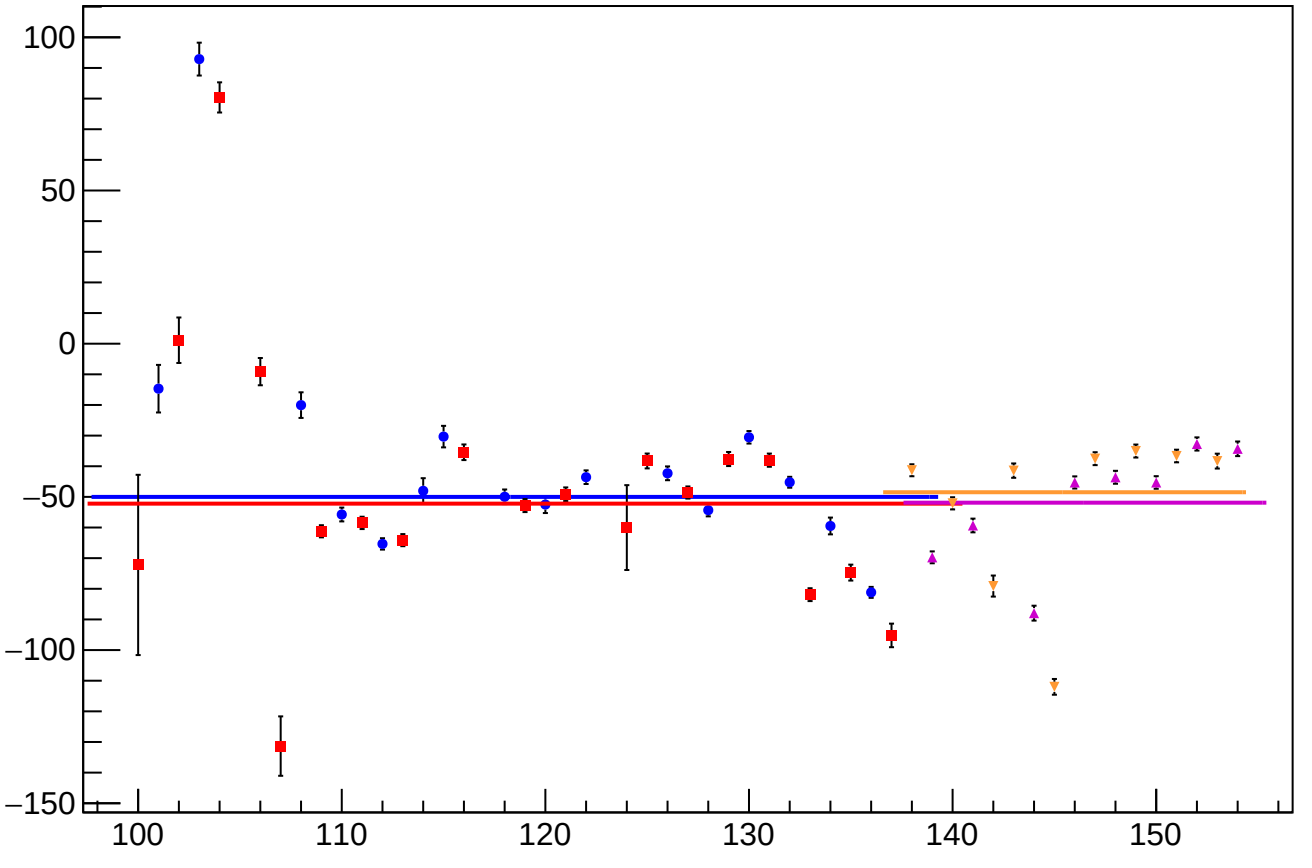
Left: 118.964+/-0.043 χ^2/NDF: 4706.1/16

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.783+/-0.050 χ^2/NDF:91117.5/23

Out: 112.818+/-0.049 χ^2/NDF:97938.5/27

All: 114.256+/-0.035 χ^2/NDF: 190864.0/51



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: -51.894+/-0.758 χ^2/NDF:485.5/7

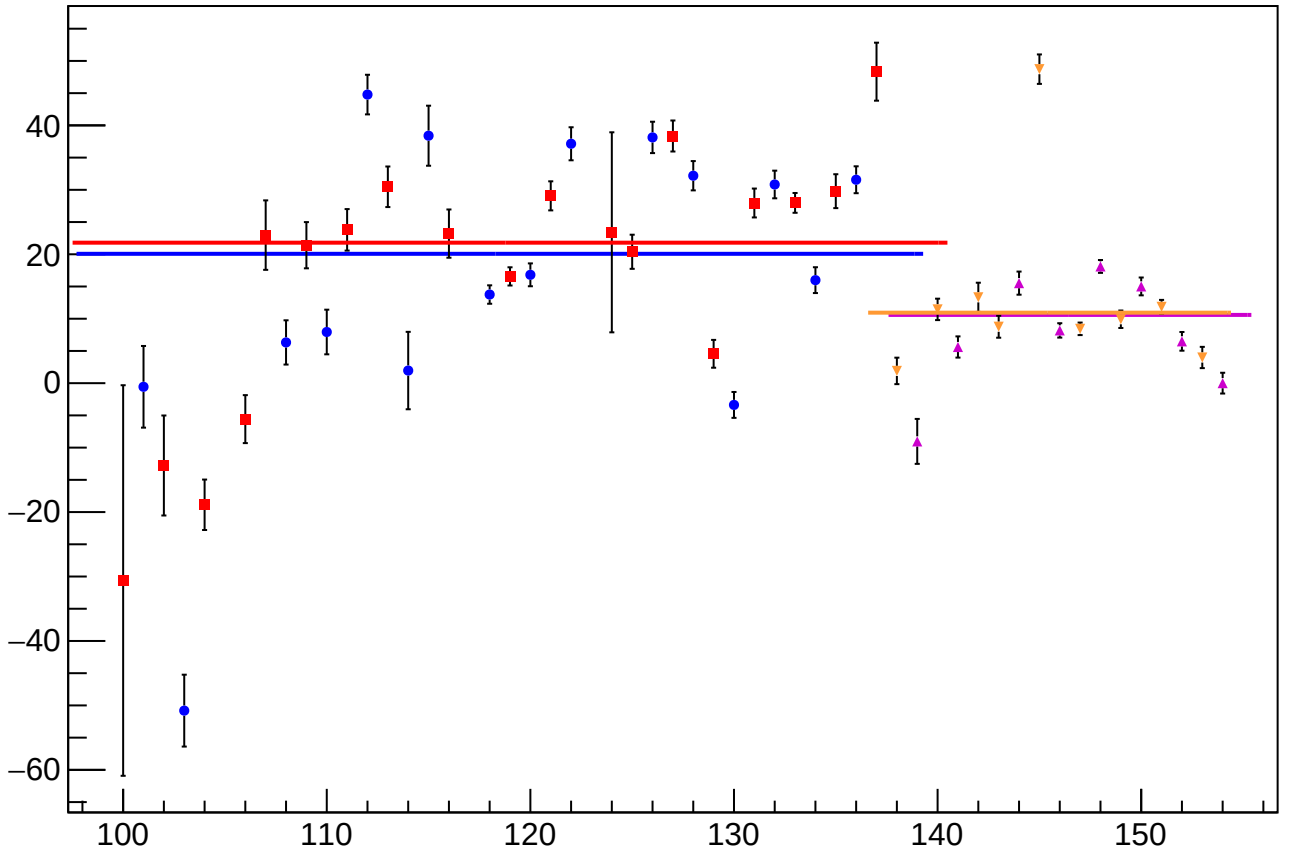
Left: -50.168+/-0.533 χ^2/NDF: 1328.0/16

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -50.749+/-0.475 χ^2/NDF:1816.6/23

Out: -50.737+/-0.471 χ^2/NDF:2417.6/27

All: -50.743+/-0.334 χ^2/NDF: 4234.2/51



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: 10.591+/-0.503 χ^2/NDF:171.2/7

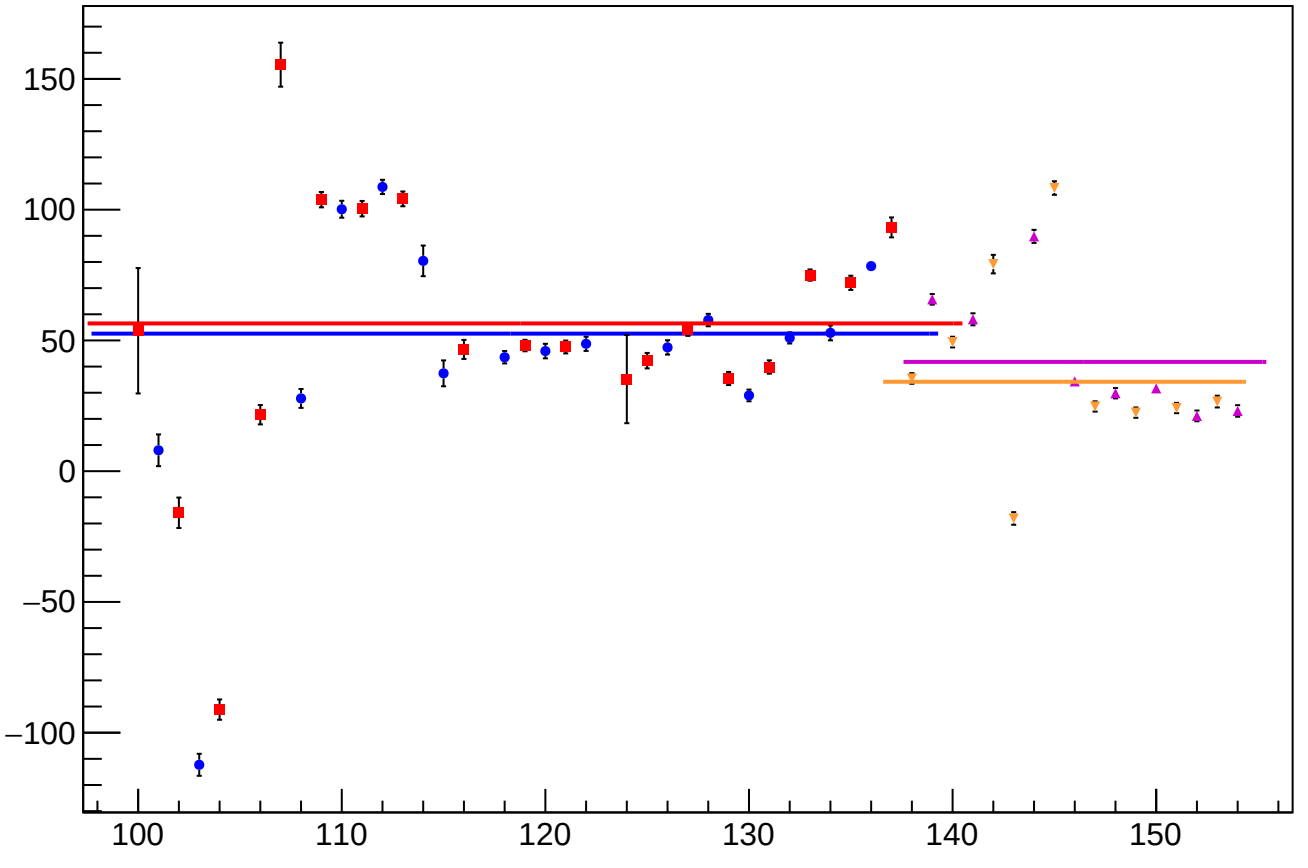
Left: 10.770+/-0.351 χ^2/NDF: 492.7/16

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 14.413+/-0.389 χ^2/NDF:950.7/23

Out: 15.099+/-0.385 χ^2/NDF:905.6/27

All: 14.759+/-0.273 χ^2/NDF: 1857.9/51



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: 41.788+/-0.738 χ^2/NDF:810.2/7

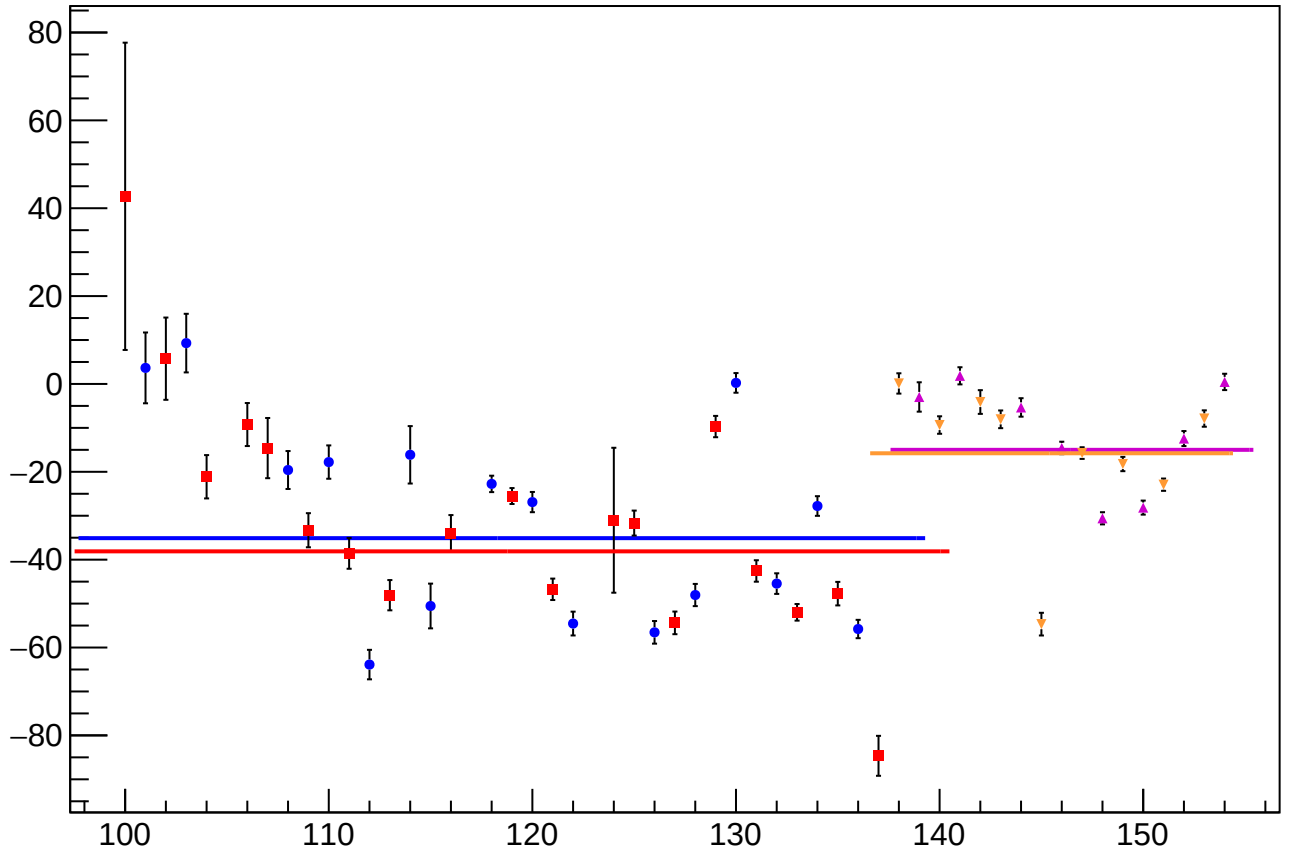
Left: 37.977+/-0.521 χ^2/NDF: 2460.4/16

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 47.508+/-0.506 χ^2/NDF:3583.3/23

Out: 45.812+/-0.509 χ^2/NDF:5041.7/27

All: 46.665+/-0.359 χ^2/NDF: 8630.5/51


reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
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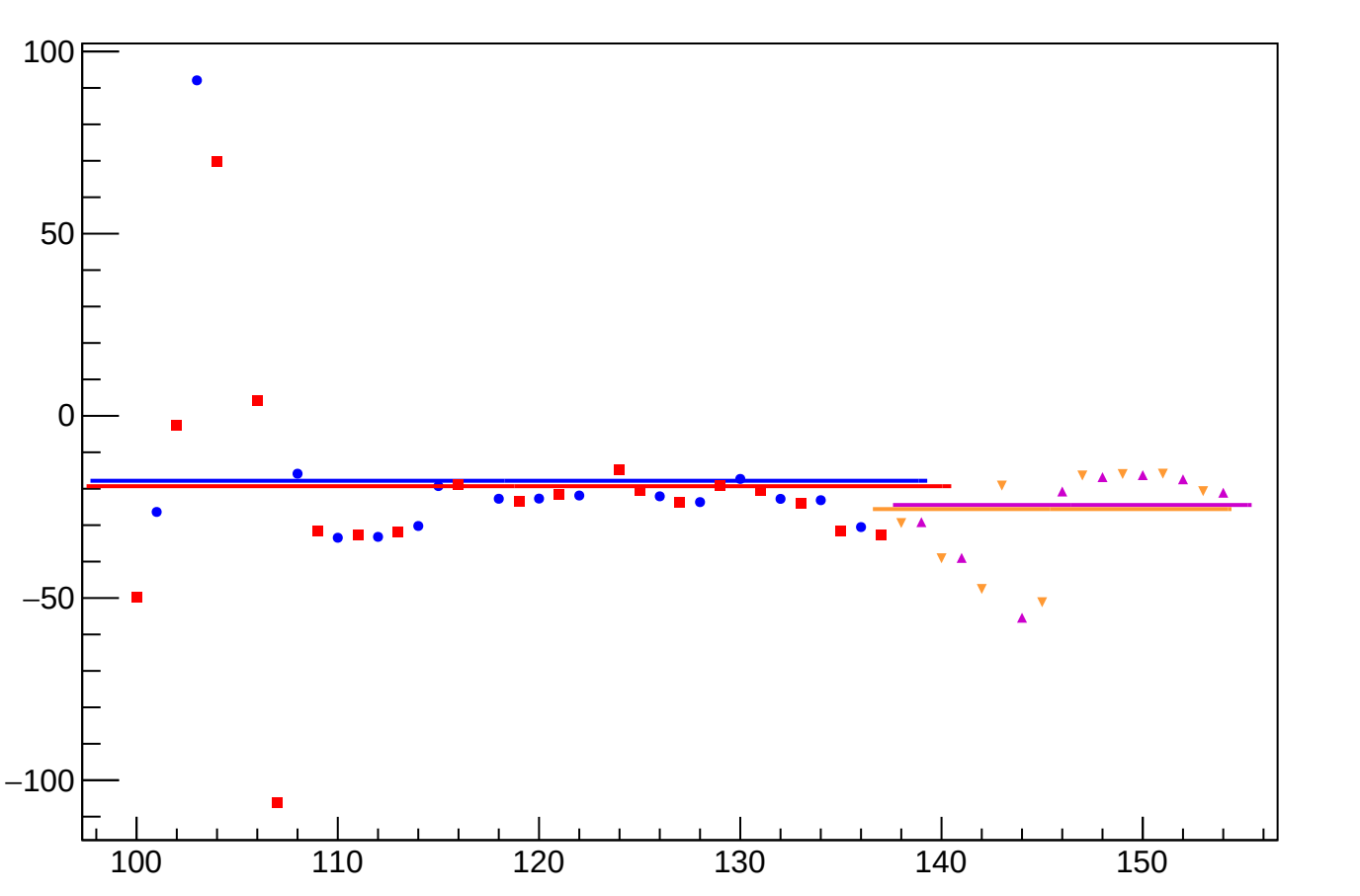
−80
100
110
120
130
140
150
Right In: -35.104+/-0.700 χ²/NDF: 773.2/15
Left Out: -15.783+/-0.607 χ²/NDF:364.1/8
Right Out: -38.109+/-0.714 χ²/NDF: 514.6/18
Left In: -14.998+/-0.618 χ²/NDF:374.0/7
Left: -15.398+/-0.433 χ²/NDF: 738.9/16
Right: -36.577+/-0.500 χ²/NDF: 1296.8/34
In: -23.809+/-0.463 χ²/NDF:1610.6/23
Out: -25.153+/-0.462 χ²/NDF:1446.3/27
All: -24.482+/-0.327 χ²/NDF: 3061.1/51



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: -24.465+/-0.029 χ^2/NDF:137571.8/7

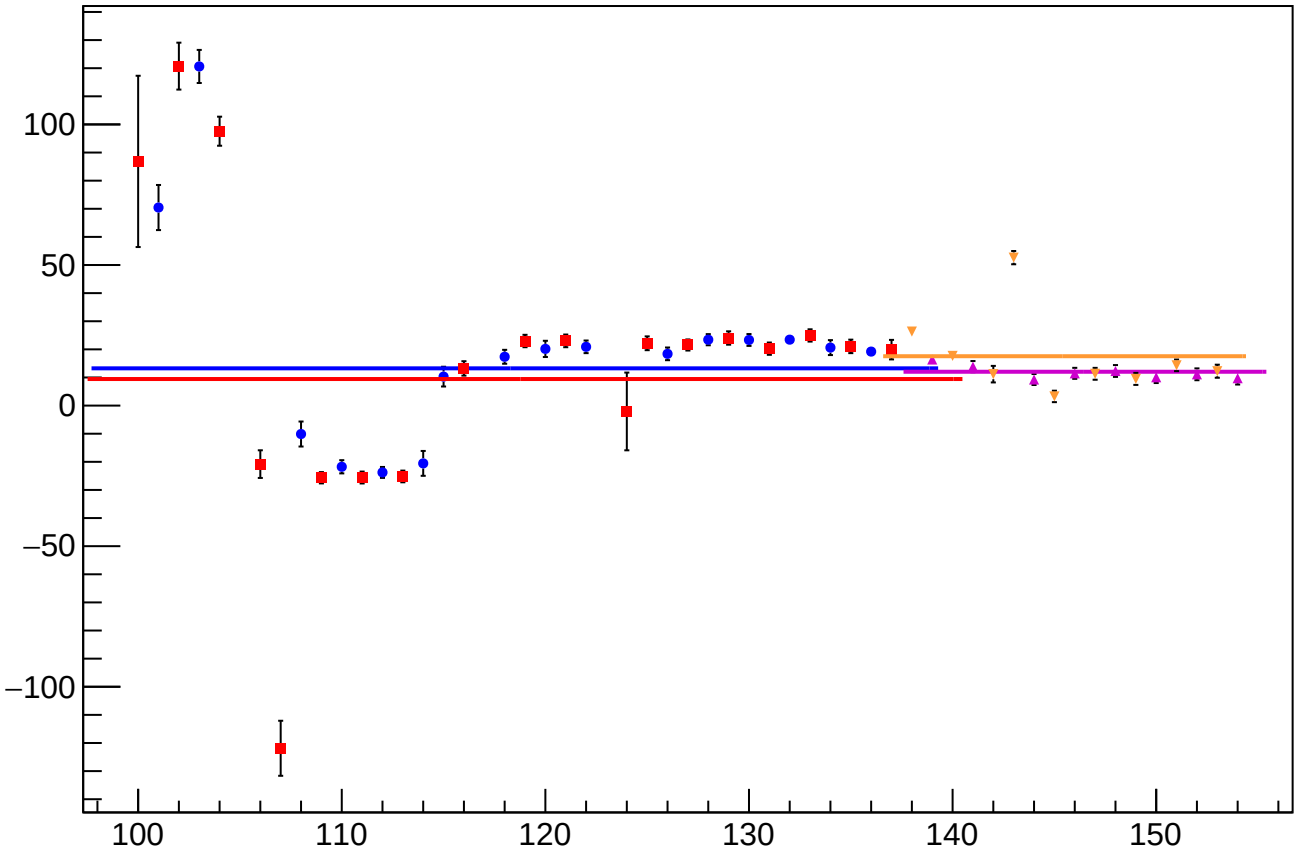
Left: -25.007+/-0.021 χ^2/NDF: 296739.7/16

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -22.438+/-0.024 χ^2/NDF:580113.8/23

Out: -23.745+/-0.025 χ^2/NDF:516160.4/27

All: -23.062+/-0.017 χ^2/NDF: 1097704.4/51



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: 12.035+/-0.708 χ^2/NDF:11.4/7

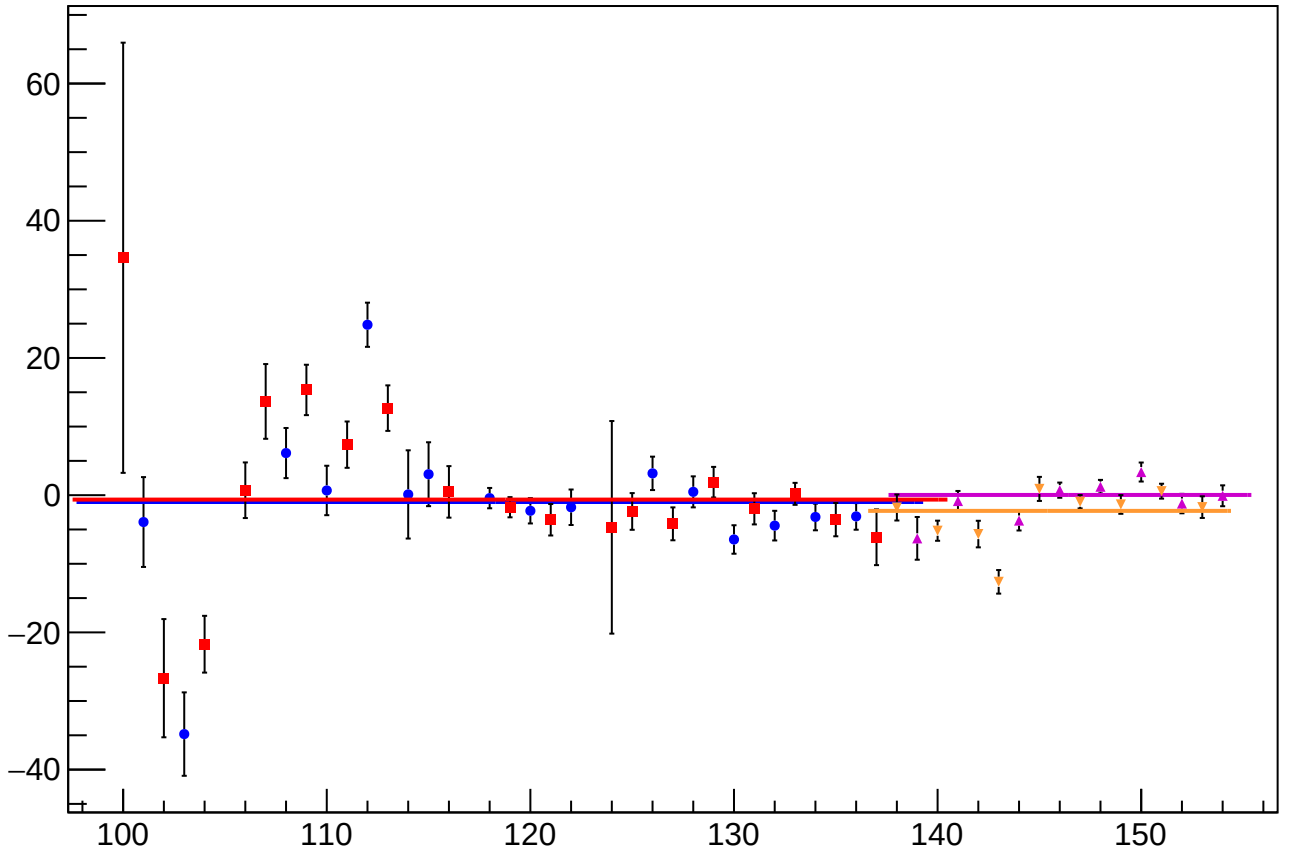
Left: 14.825+/-0.498 χ^2/NDF: 371.8/16

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.728+/-0.464 χ^2/NDF:1195.6/23

Out: 12.979+/-0.462 χ^2/NDF:2241.9/27

All: 12.854+/-0.327 χ^2/NDF: 3437.6/51



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: 0.033+/-0.481 χ^2/NDF:19.6/7

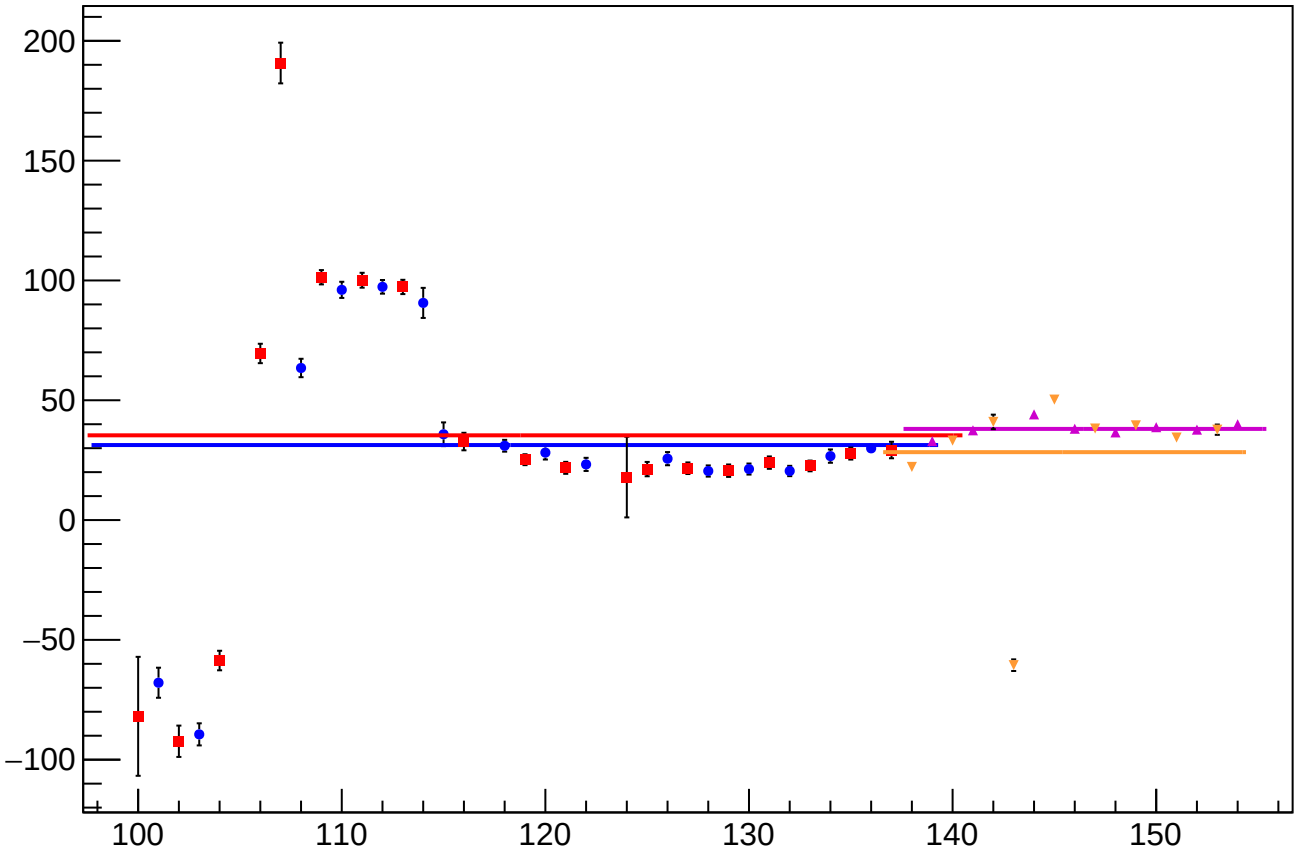
Left: -1.153+/-0.336 χ^2/NDF: 87.5/16

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.353+/-0.380 χ^2/NDF:137.7/23

Out: -1.707+/-0.378 χ^2/NDF:154.6/27

All: -1.033+/-0.268 χ^2/NDF: 298.6/51



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: 38.044+/-0.692 χ^2/NDF:18.8/7

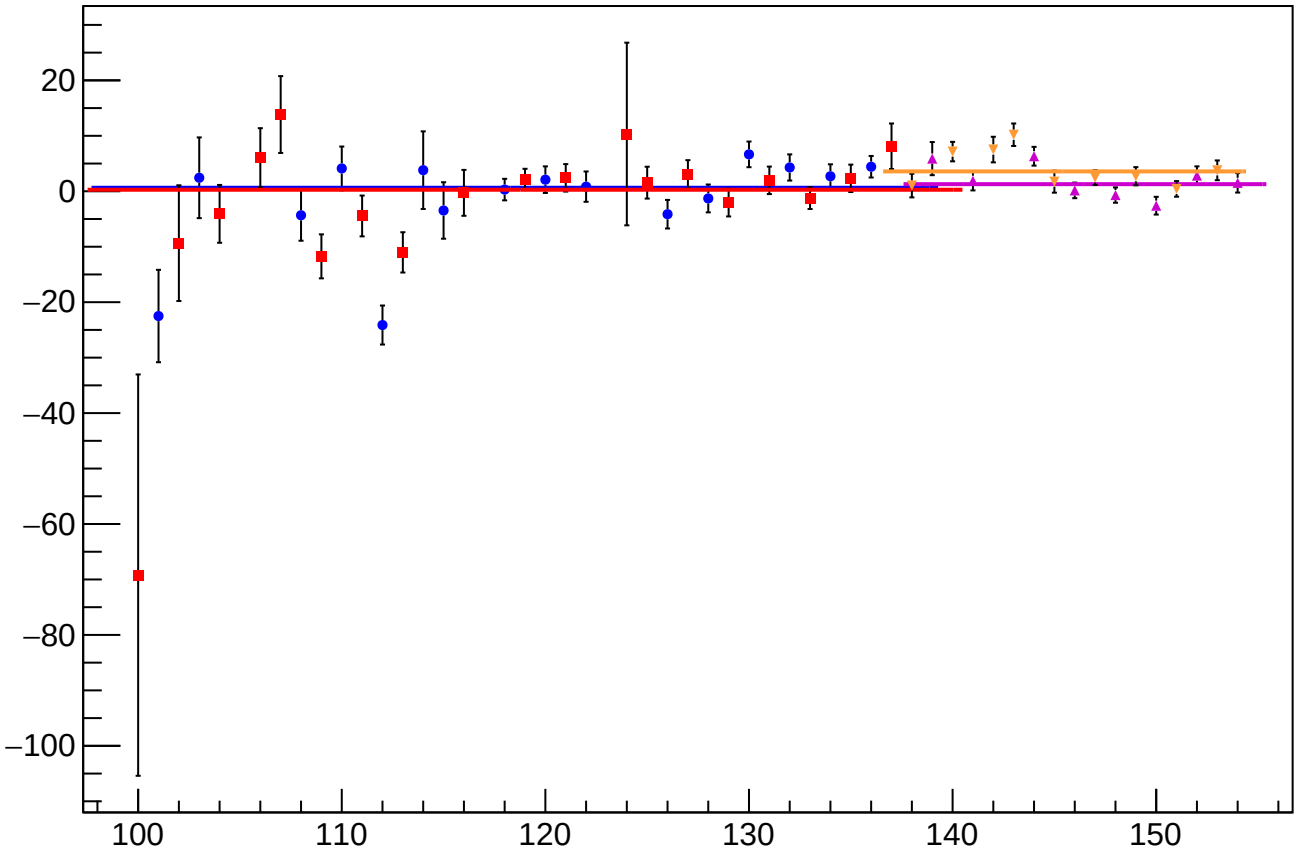
Left: 33.194+/-0.489 χ^2/NDF: 1691.0/16

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.716+/-0.492 χ^2/NDF:2151.5/23

Out: 31.731+/-0.498 χ^2/NDF:4521.3/27

All: 33.241+/-0.350 χ^2/NDF: 6691.0/51


reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
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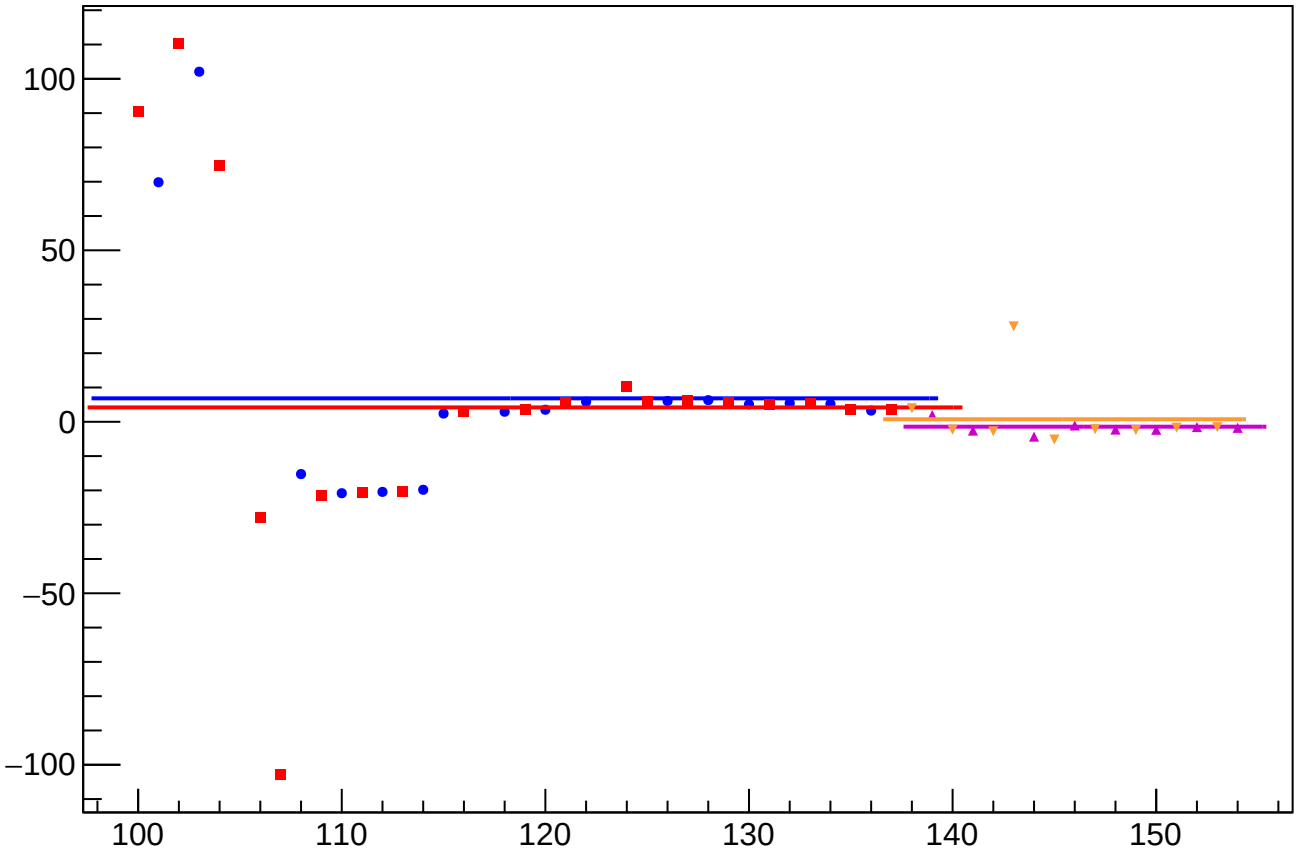
−60
−80
−100
100
110
120
130
140
150
Right In: 0.632+/-0.705 χ²/NDF: 78.4/15
Left Out: 3.582+/-0.579 χ²/NDF:26.0/8
Right Out: 0.274+/-0.726 χ²/NDF: 40.5/18
Left In: 1.281+/-0.588 χ²/NDF:20.8/7
Left: 2.448+/-0.412 χ²/NDF: 54.5/16
Right: 0.459+/-0.506 χ²/NDF: 119.0/34
In: 1.015+/-0.451 χ²/NDF:99.7/23
Out: 2.296+/-0.453 χ²/NDF:79.1/27
All: 1.653+/-0.320 χ²/NDF: 182.9/51



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: -1.429+/-0.027 χ^2/NDF:4355.5/7

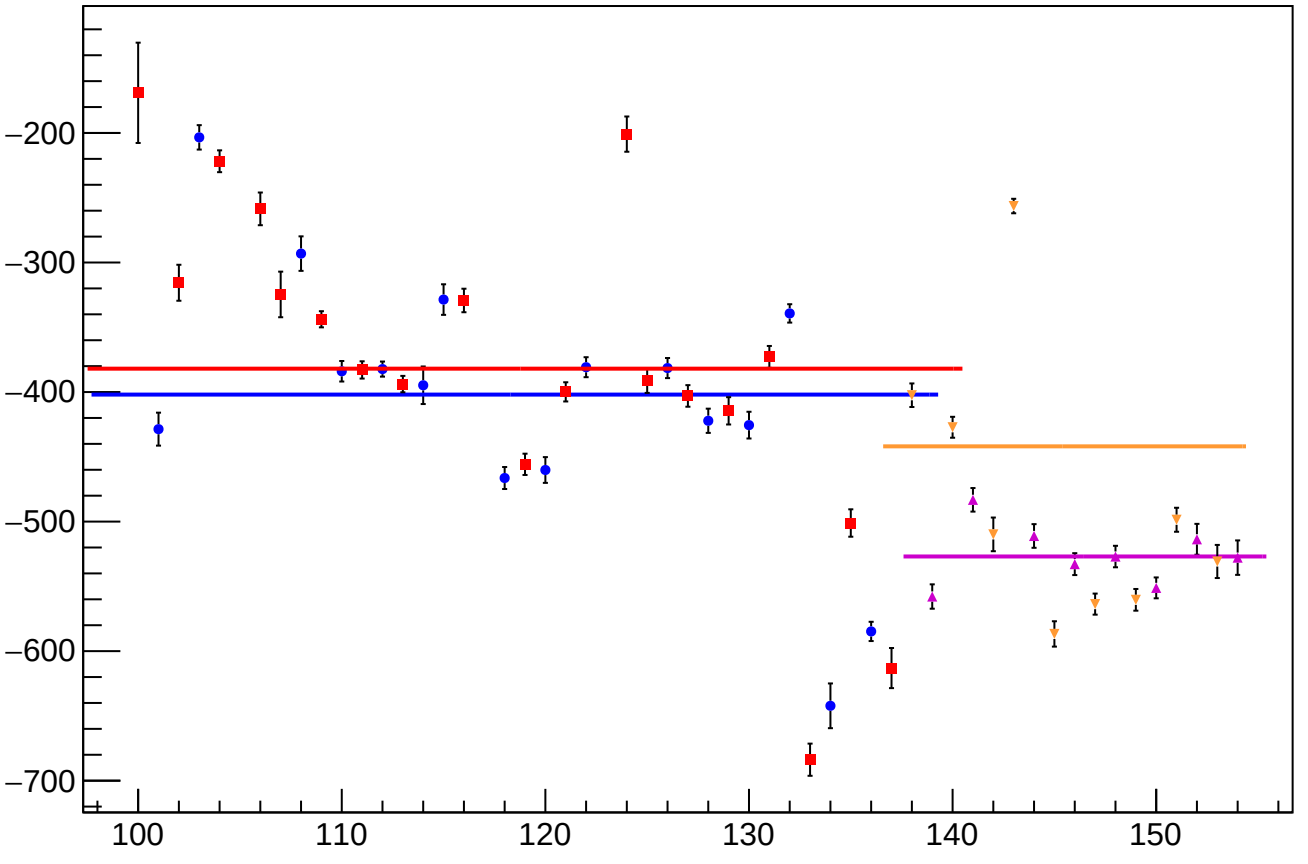
Left: -0.385+/-0.019 χ^2/NDF: 93653.1/16

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.910+/-0.023 χ^2/NDF:352004.0/23

Out: 1.661+/-0.024 χ^2/NDF:524789.4/27

All: 1.267+/-0.016 χ^2/NDF: 877310.1/51



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: -526.924+/-3.296 χ^2/NDF:47.7/7

Left: -478.309+/-2.157 χ^2/NDF: 2309.2/16

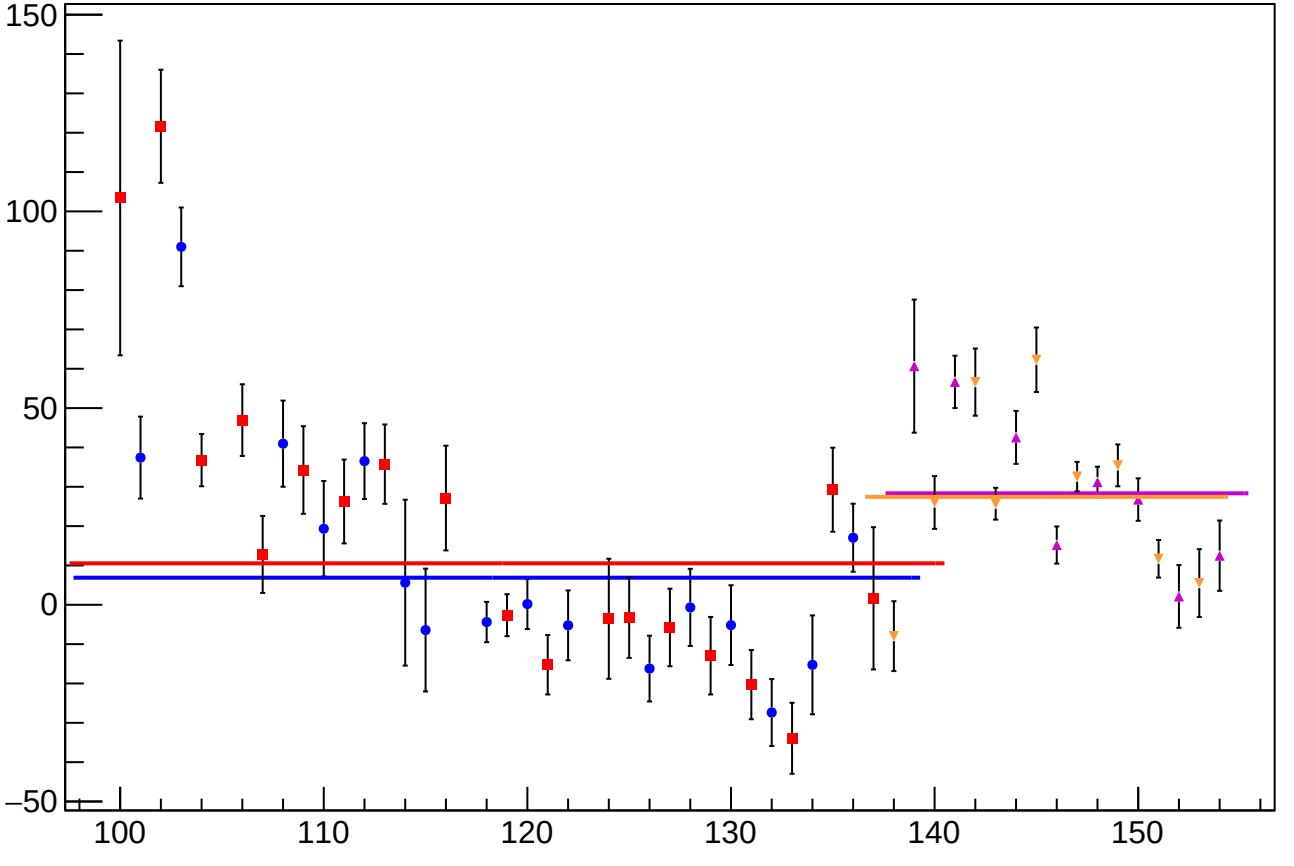
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -441.343+/-1.850 χ^2/NDF:2595.3/23

Out: -403.351+/-1.704 χ^2/NDF:3982.9/27

All: -420.780+/-1.253 χ^2/NDF: 6806.3/51

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: 28.337+/-2.125 χ^2/NDF:48.7/7

Left: 27.826+/-1.400 χ^2/NDF: 116.2/16

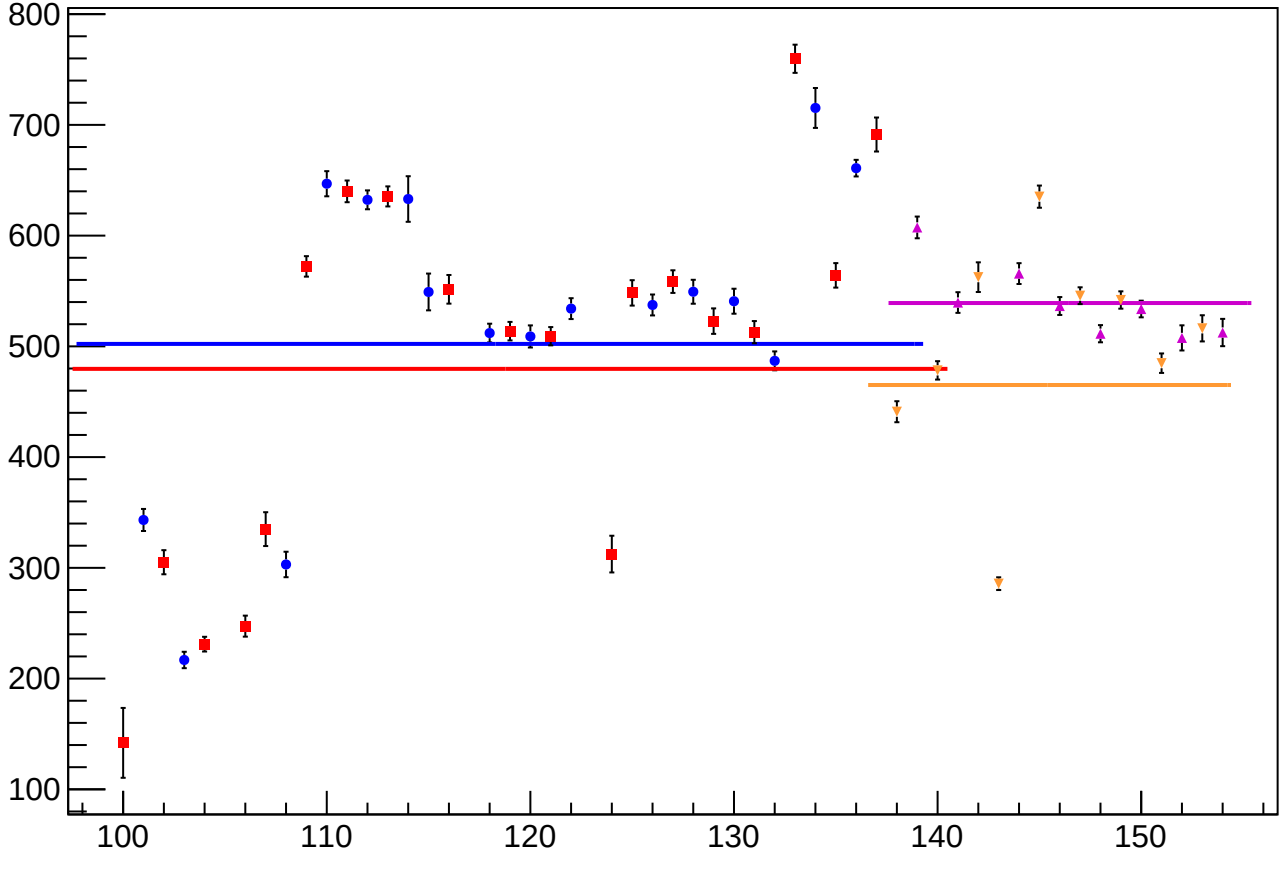
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 18.292+/-1.550 χ^2/NDF:234.8/23

Out: 20.381+/-1.420 χ^2/NDF:281.8/27

All: 19.427+/-1.047 χ^2/NDF: 517.6/51

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 465.103+/-2.826 χ^2/NDF:1558.3/8

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 539.129+/-3.209 χ^2/NDF:82.2/7

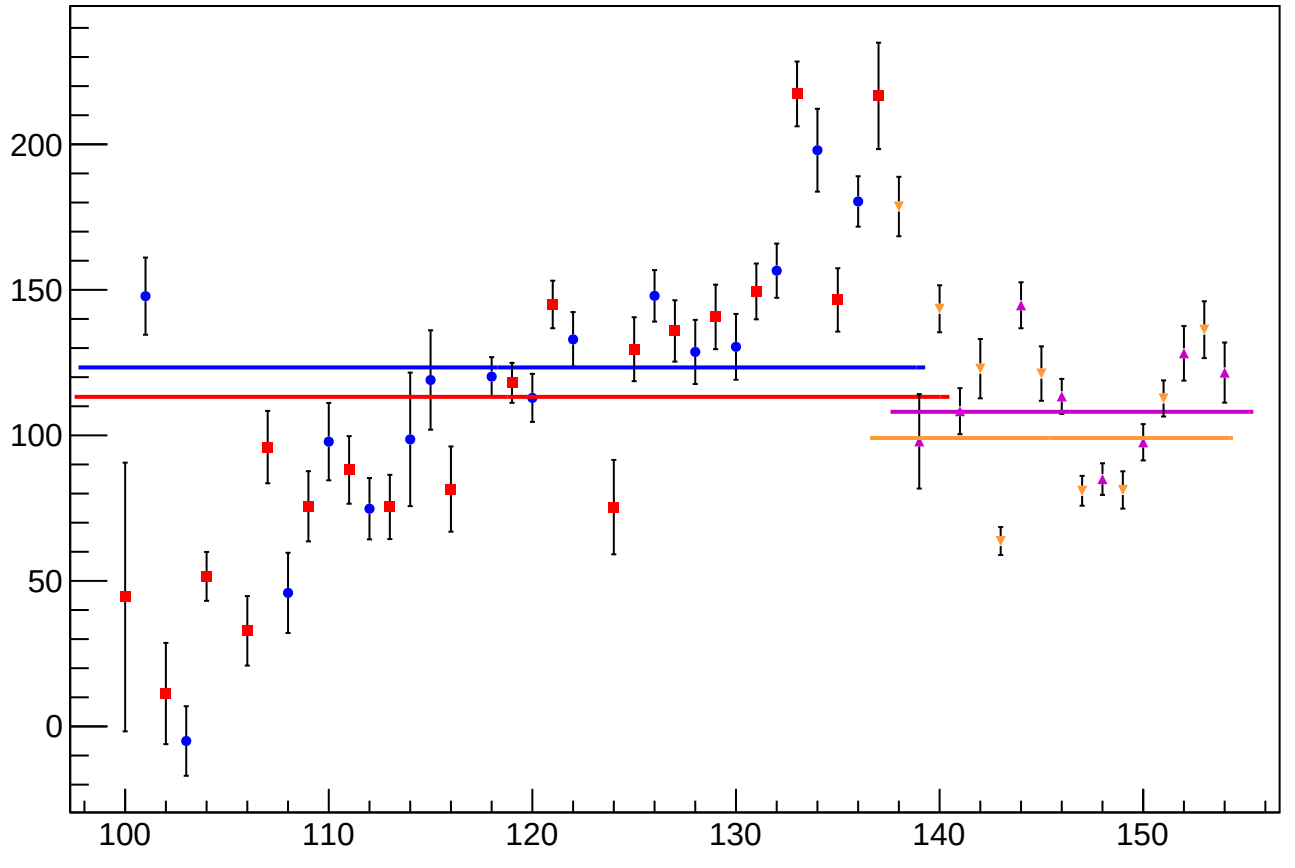
Left: 497.432+/-2.121 χ^2/NDF: 1940.2/16

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 516.106+/-1.969 χ^2/NDF:3299.9/23

Out: 473.573+/-1.829 χ^2/NDF:5712.3/27

All: 493.276+/-1.340 χ^2/NDF: 9262.7/51



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: 108.102+/-2.637 χ^2/NDF:49.9/7

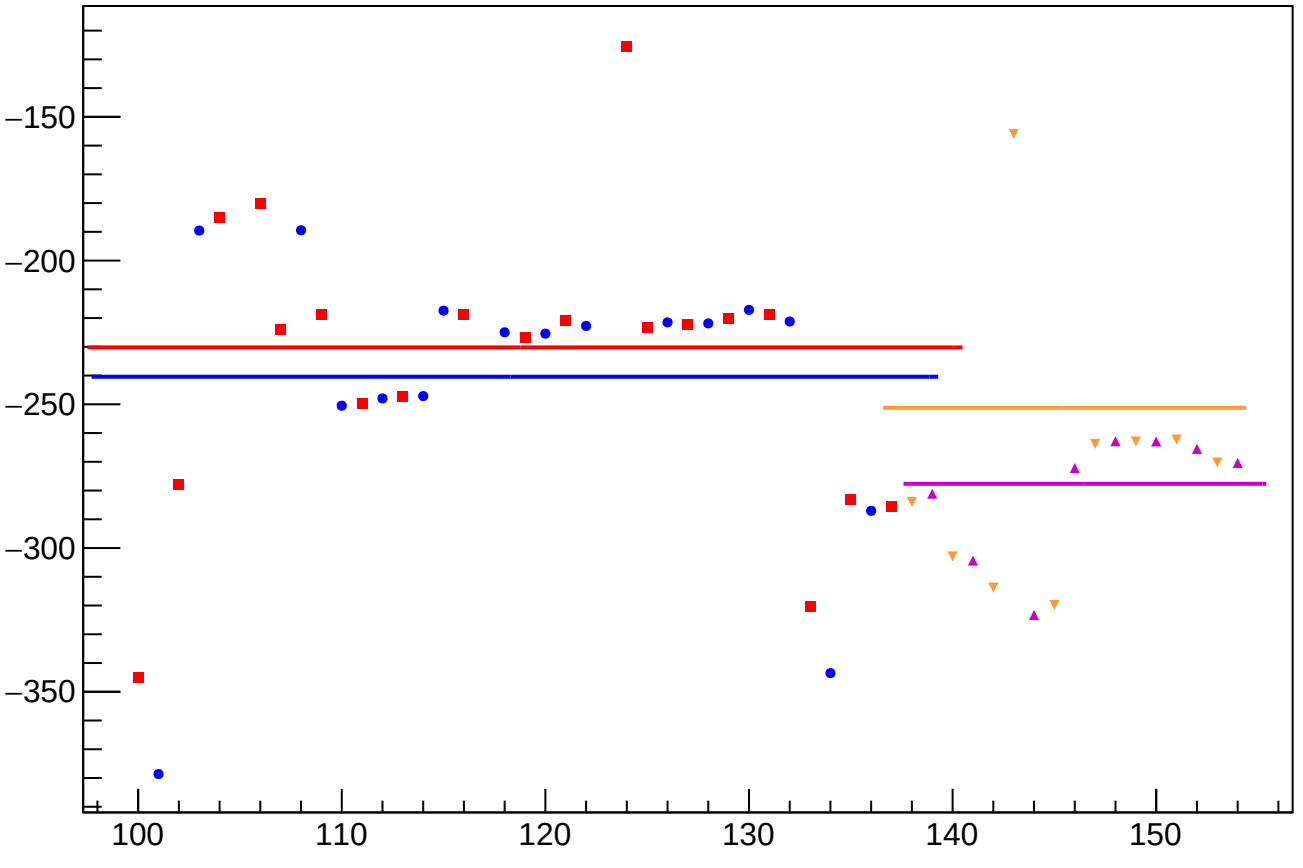
Left: 102.996+/-1.735 χ^2/NDF: 252.8/16

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 115.753+/-1.861 χ^2/NDF:338.0/23

Out: 105.465+/-1.708 χ^2/NDF:559.1/27

All: 110.167+/-1.258 χ^2/NDF: 913.7/51



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: -277.648+/-0.128 χ^2/NDF:22688.9/7

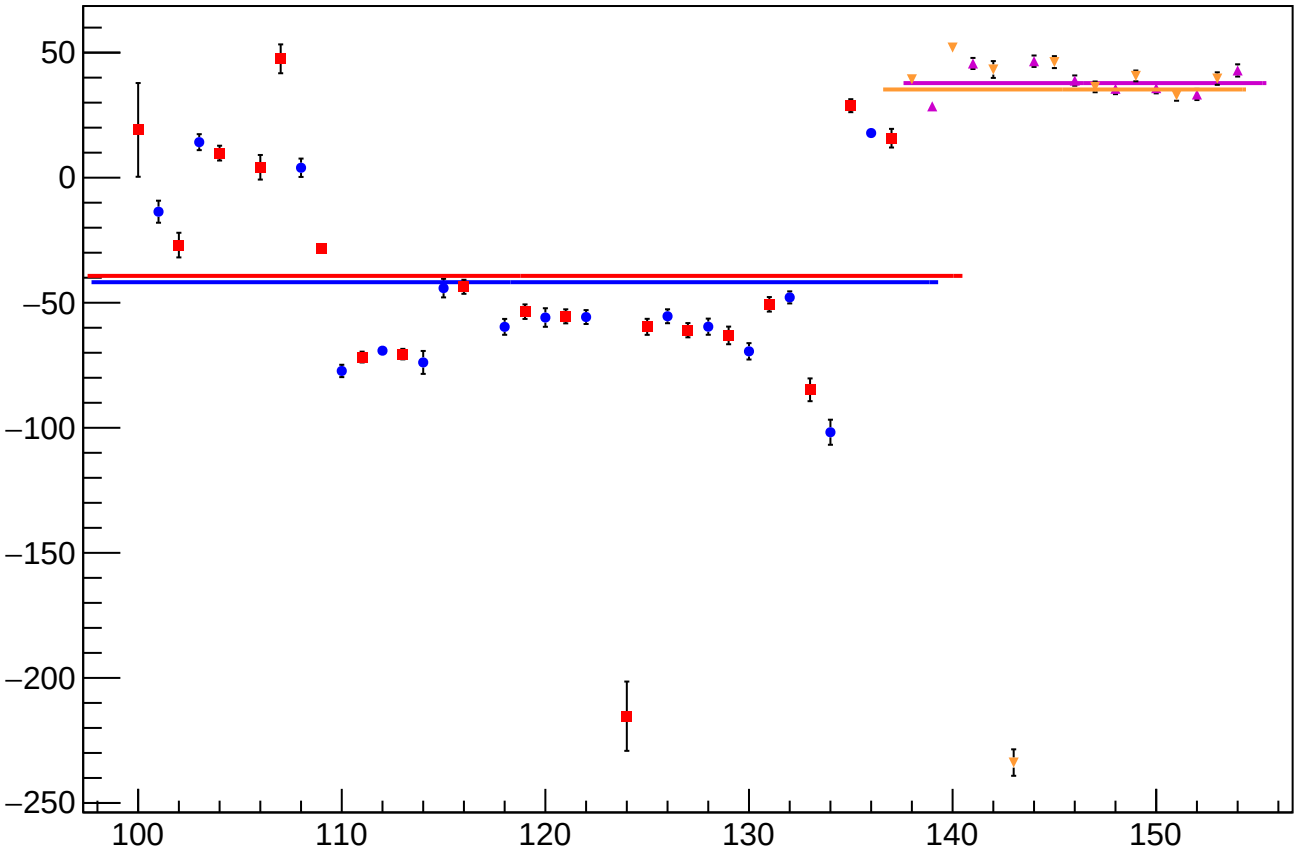
Left: -263.260+/-0.086 χ^2/NDF: 279928.3/16

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -262.098+/-0.097 χ^2/NDF:192438.8/23

Out: -243.057+/-0.091 χ^2/NDF:329866.7/27

All: -251.968+/-0.067 χ^2/NDF: 542666.9/51



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: 37.814+/-0.764 χ^2/NDF:61.2/7

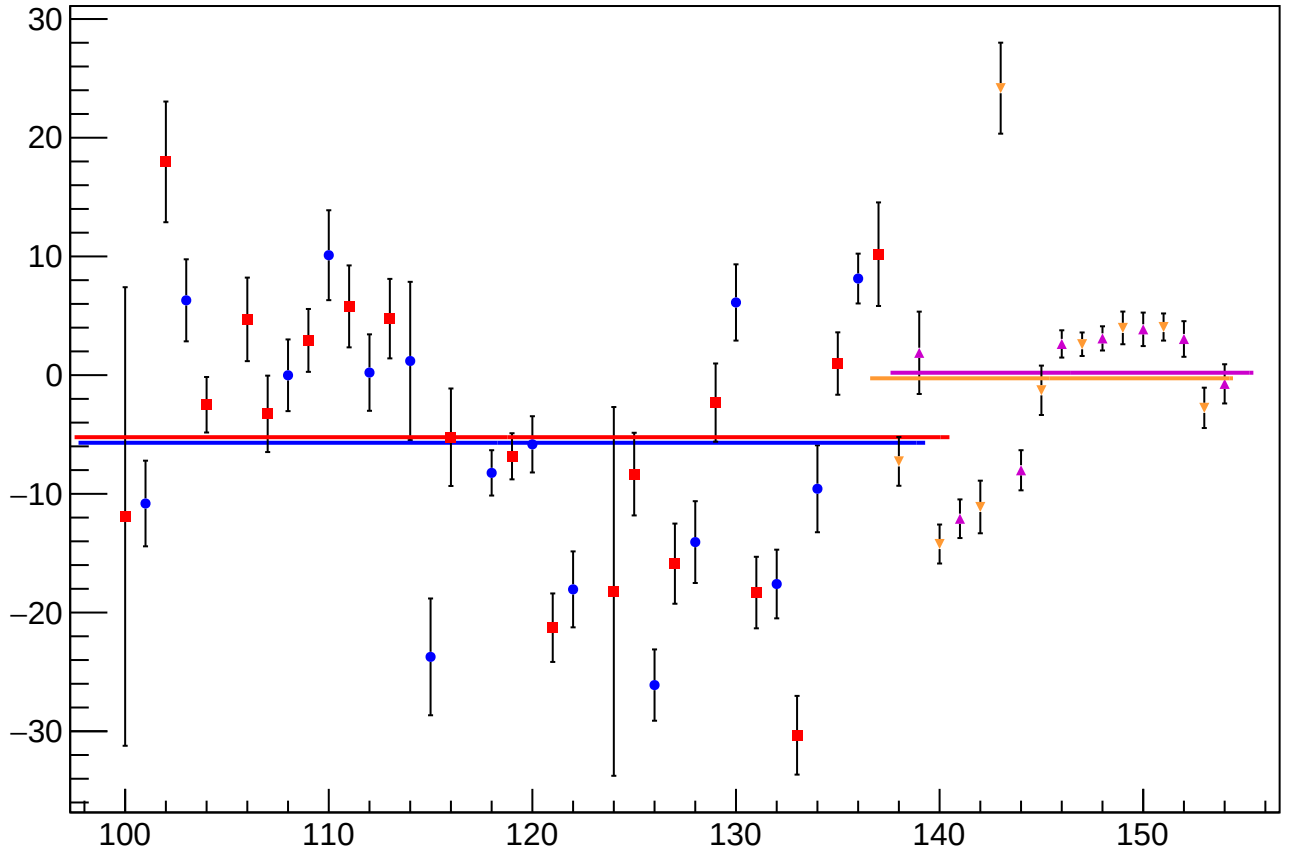
Left: 36.574+/-0.547 χ^2/NDF: 2769.3/16

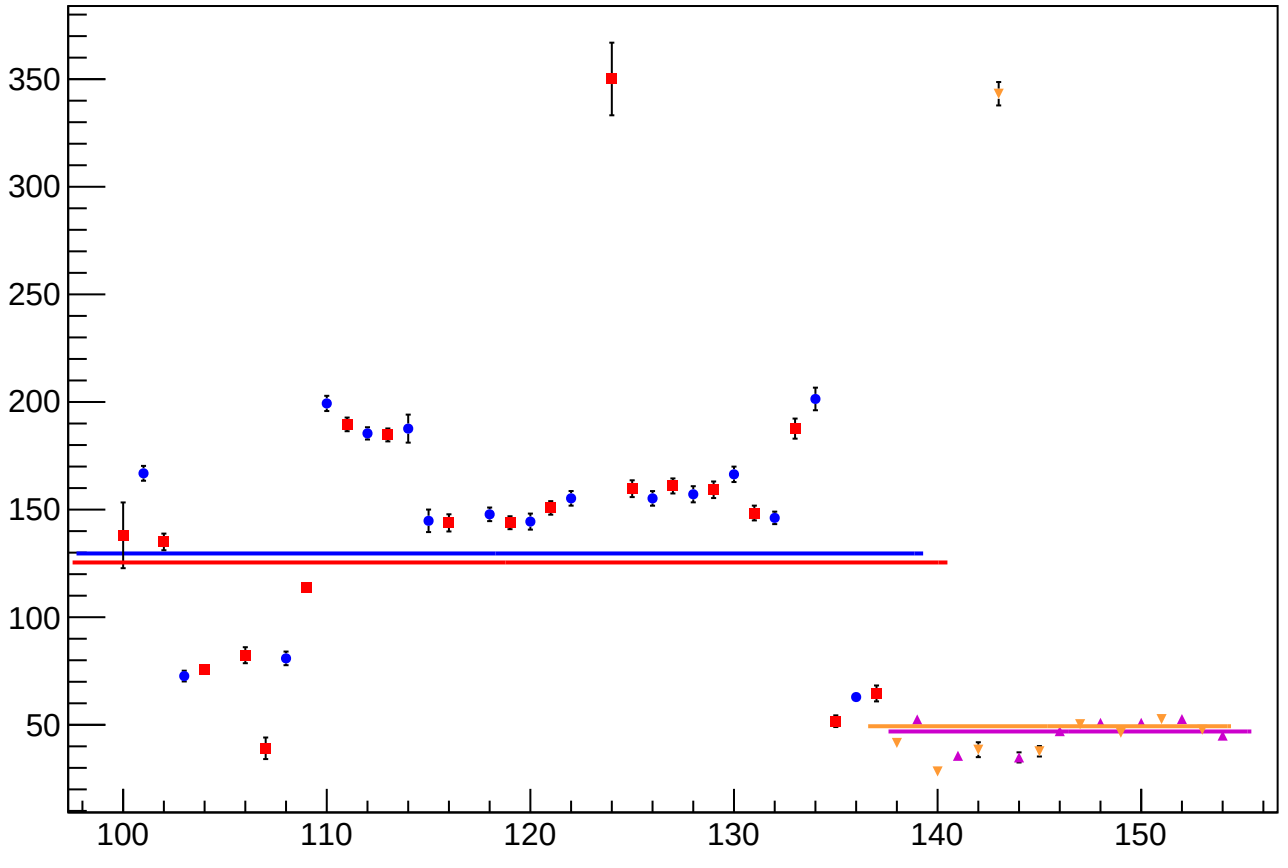
Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -4.162+/-0.525 χ^2/NDF:8194.4/23

Out: -7.327+/-0.514 χ^2/NDF:10333.9/27

All: -5.779+/-0.367 χ^2/NDF: 18546.8/51


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: 0.202+/-0.510 χ²/NDF:104.1/7
Left: -0.030+/-0.362 χ²/NDF: 287.6/16
Right: -5.458+/-0.528 χ²/NDF: 394.3/34
In: -1.653+/-0.422 χ²/NDF:342.9/23
Out: -1.886+/-0.423 χ²/NDF:410.7/27
All: -1.770+/-0.299 χ²/NDF: 753.7/51



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: 46.907+/-0.745 χ^2/NDF:74.9/7

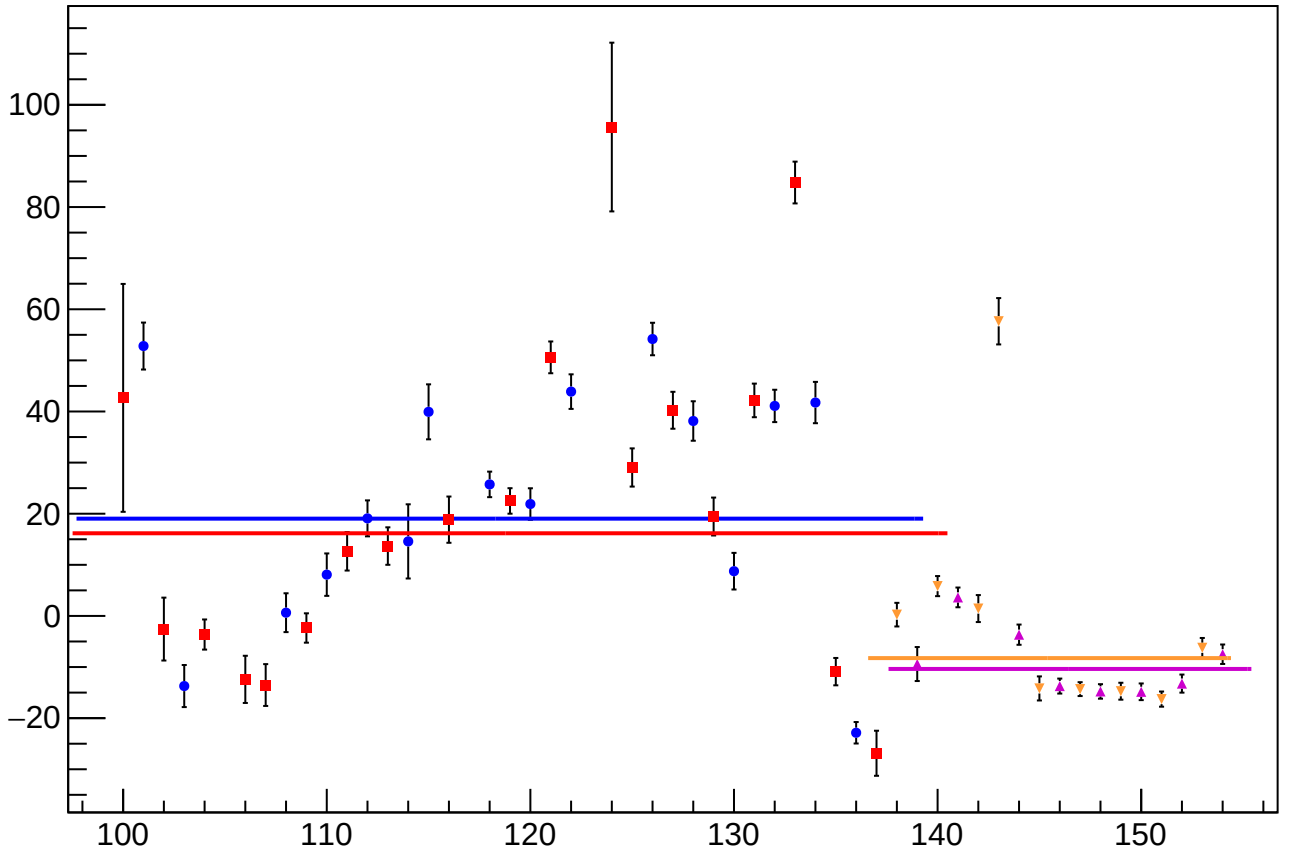
Left: 48.083+/-0.535 χ^2/NDF: 3160.3/16

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 85.269+/-0.545 χ^2/NDF:9422.4/23

Out: 86.429+/-0.551 χ^2/NDF:11341.6/27

All: 85.843+/-0.388 χ^2/NDF: 20766.2/51



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: -10.371+/-0.626 χ^2/NDF:91.5/7

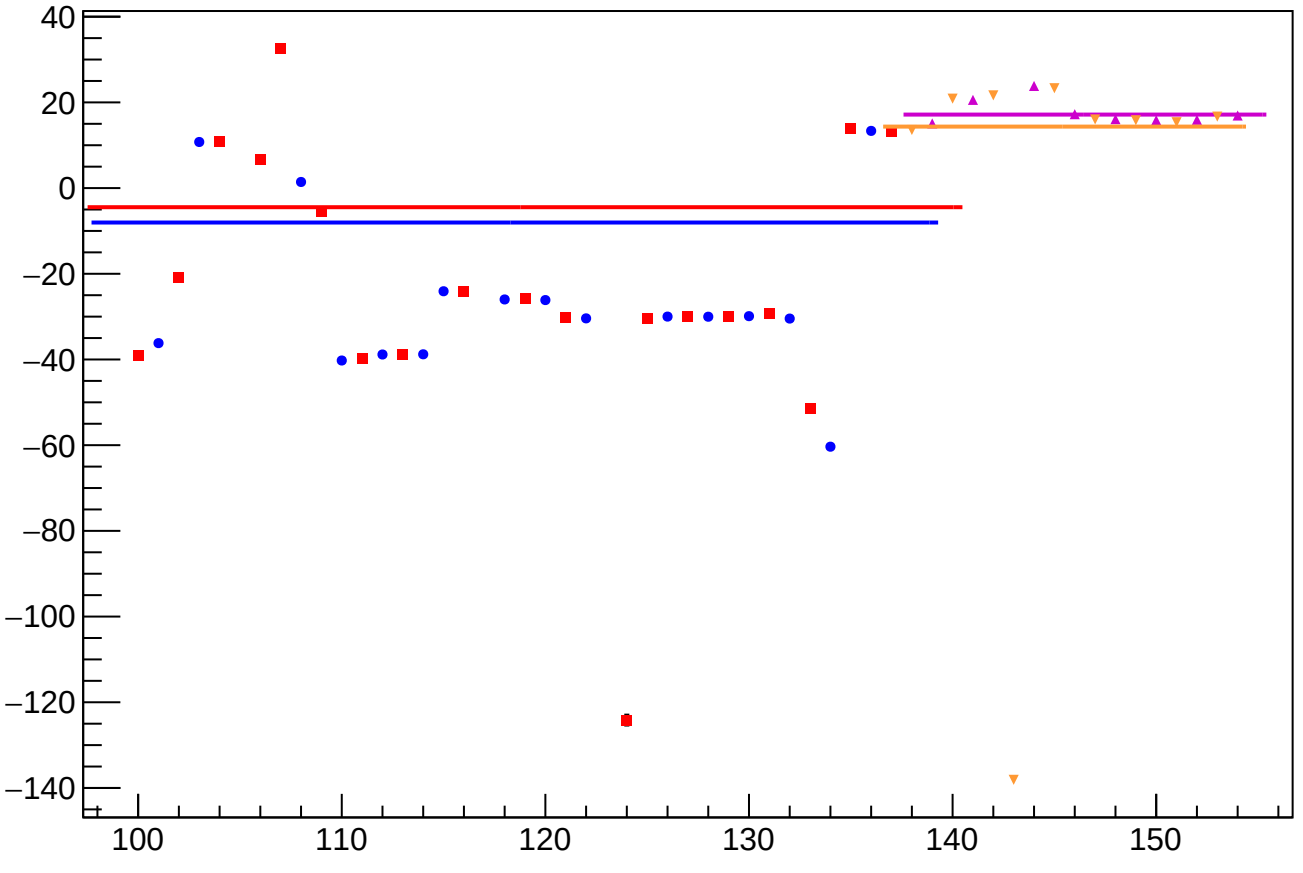
Left: -9.331+/-0.447 χ^2/NDF: 458.8/16

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -0.180+/-0.506 χ^2/NDF:1713.7/23

Out: 0.615+/-0.510 χ^2/NDF:1833.9/27

All: 0.214+/-0.359 χ^2/NDF: 3548.9/51



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: 17.153+/-0.029 χ^2/NDF:6948.5/7

Left: 15.851+/-0.021 χ^2/NDF: 482741.7/16

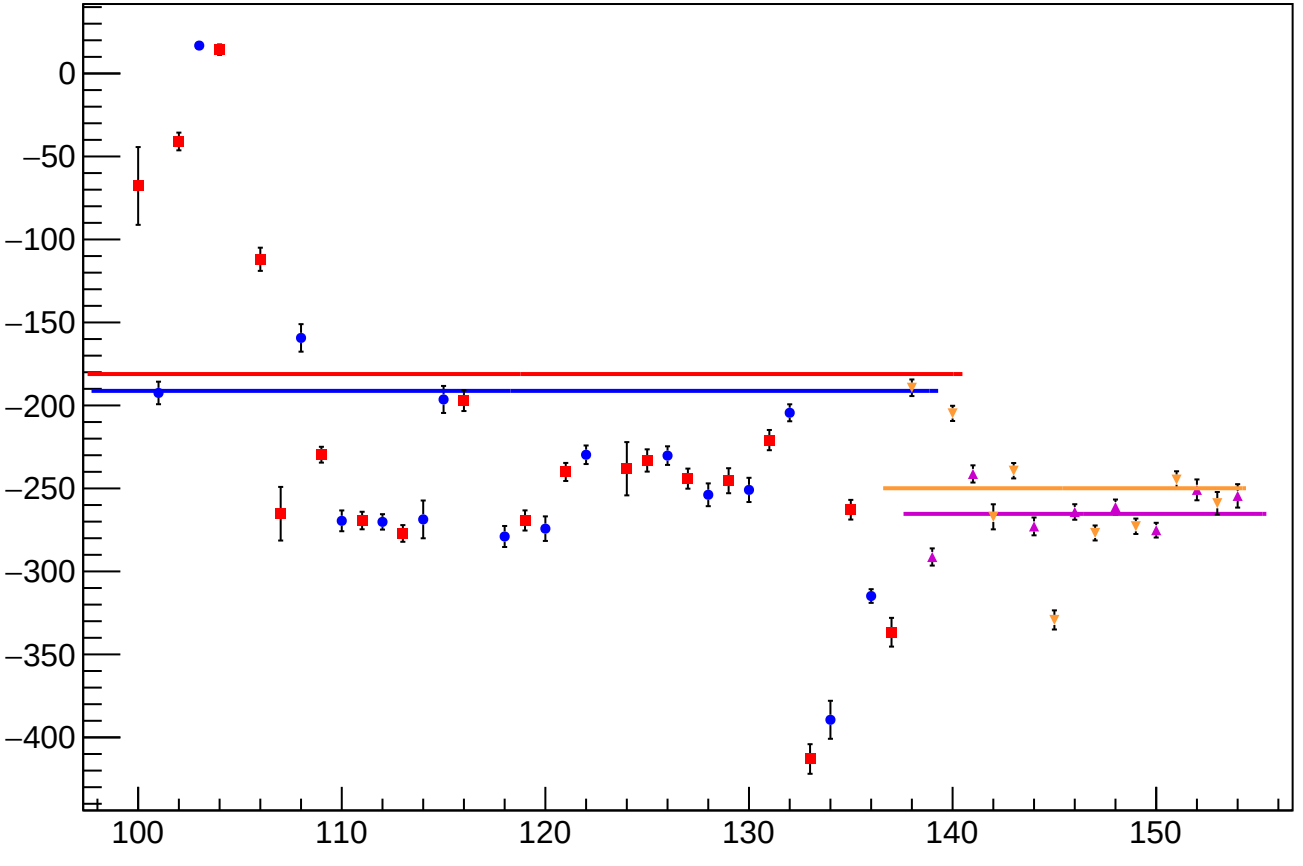
Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 9.967+/-0.024 χ^2/NDF:490794.0/23

Out: 8.595+/-0.026 χ^2/NDF:812001.7/27

All: 9.319+/-0.018 χ^2/NDF: 1304278.4/51

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -265.331+/-1.828 χ^2/NDF:62.1/7

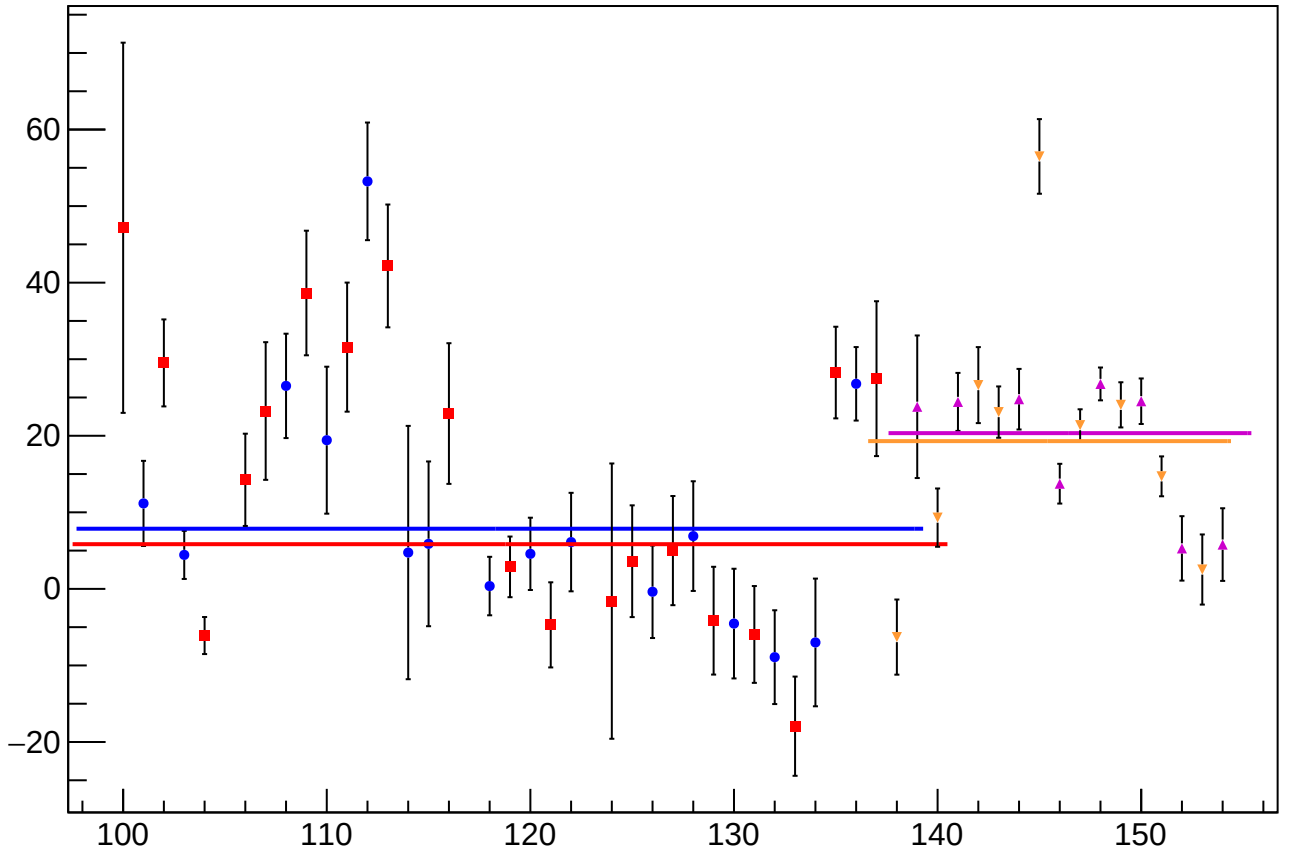
Left: -257.139+/-1.252 χ^2/NDF: 605.9/16

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -219.077+/-1.121 χ^2/NDF:8312.4/23

Out: -208.109+/-1.077 χ^2/NDF:8853.1/27

All: -213.377+/-0.777 χ^2/NDF: 17215.3/51



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 19.300+/-1.101 χ^2/NDF:115.8/8

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 20.344+/-1.174 χ^2/NDF:42.2/7

Left: 19.788+/-0.803 χ^2/NDF: 158.5/16

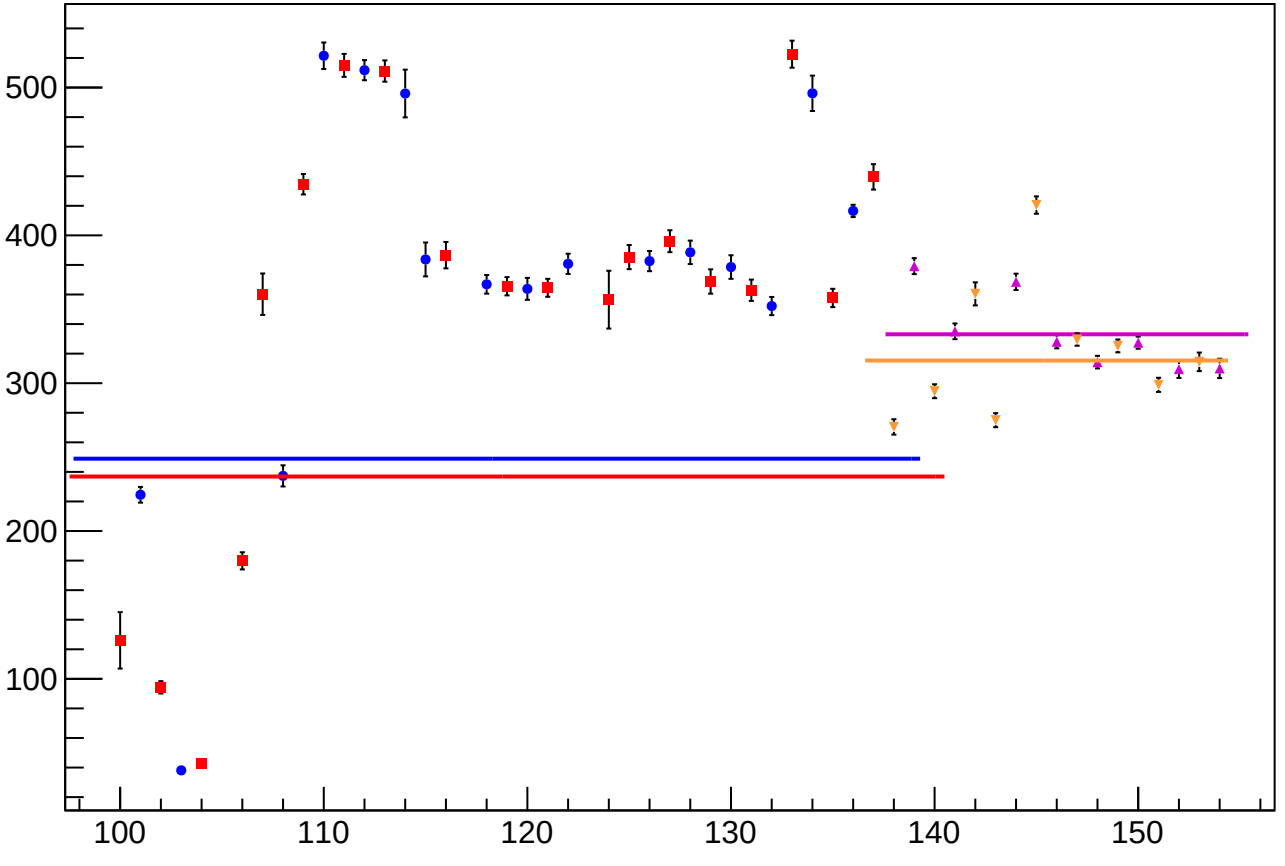
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 15.348+/-0.910 χ^2/NDF:168.3/23

Out: 13.947+/-0.855 χ^2/NDF:317.1/27

All: 14.604+/-0.623 χ^2/NDF: 486.7/51

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.345+/-1.691 χ^2/NDF:546.6/8

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 333.090+/-1.777 χ^2/NDF:164.7/7

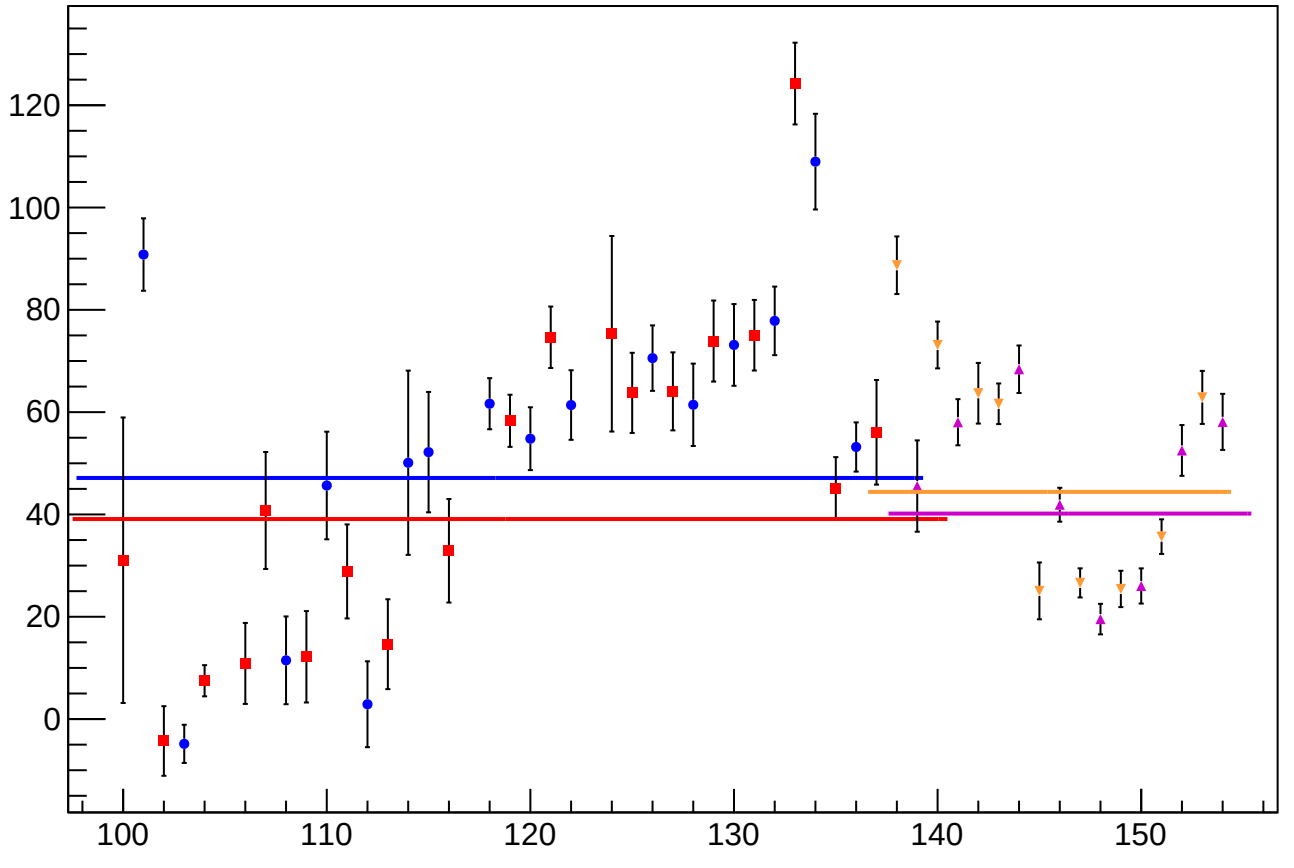
Left: 323.777+/-1.225 χ^2/NDF: 763.6/16

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 281.783+/-1.110 χ^2/NDF:16834.7/23

Out: 268.974+/-1.081 χ^2/NDF:17477.0/27

All: 275.210+/-0.775 χ^2/NDF: 34380.1/51



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: 40.171+/-1.459 χ^2/NDF:134.8/7

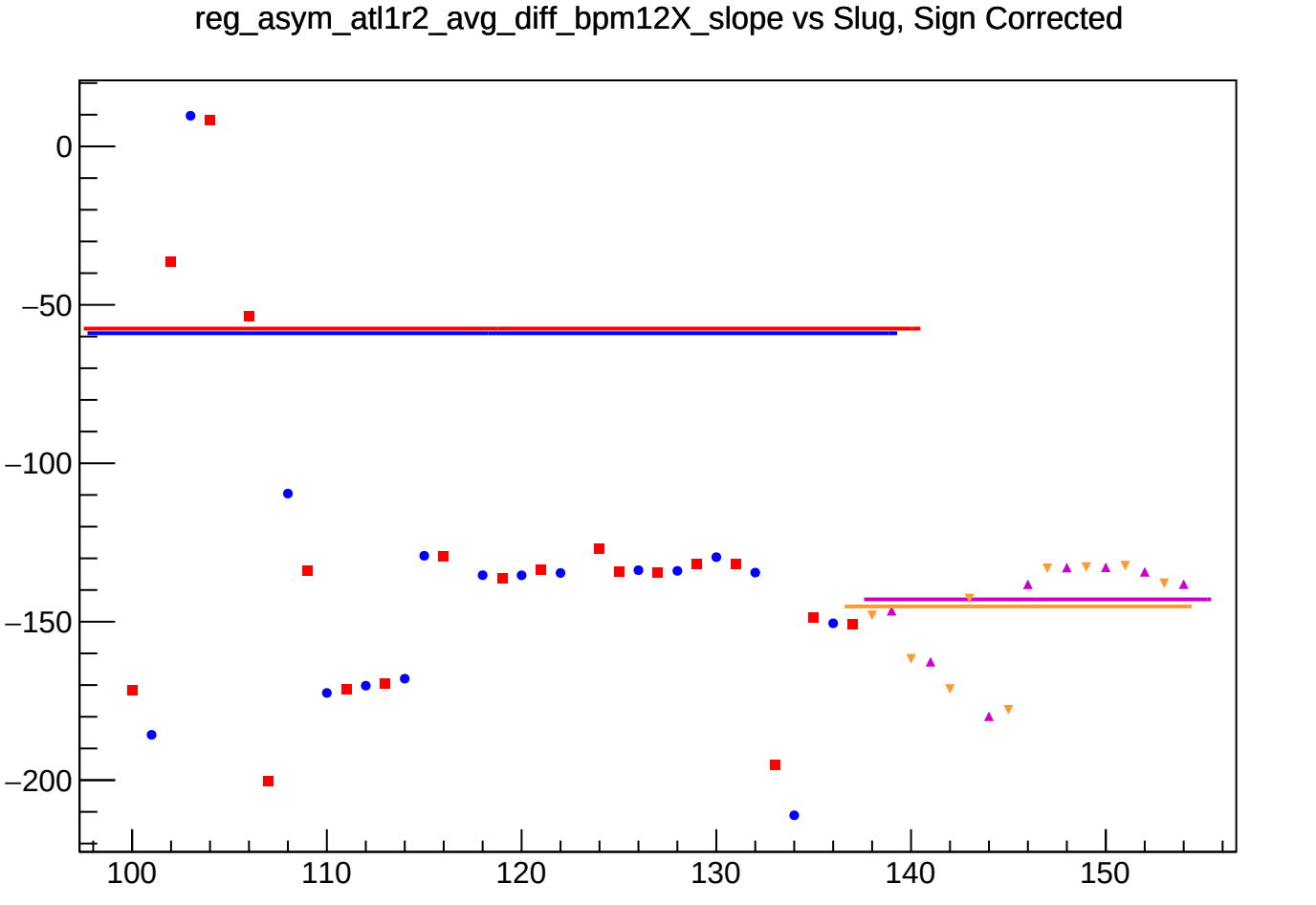
Left: 42.423+/-1.000 χ^2/NDF: 369.1/16

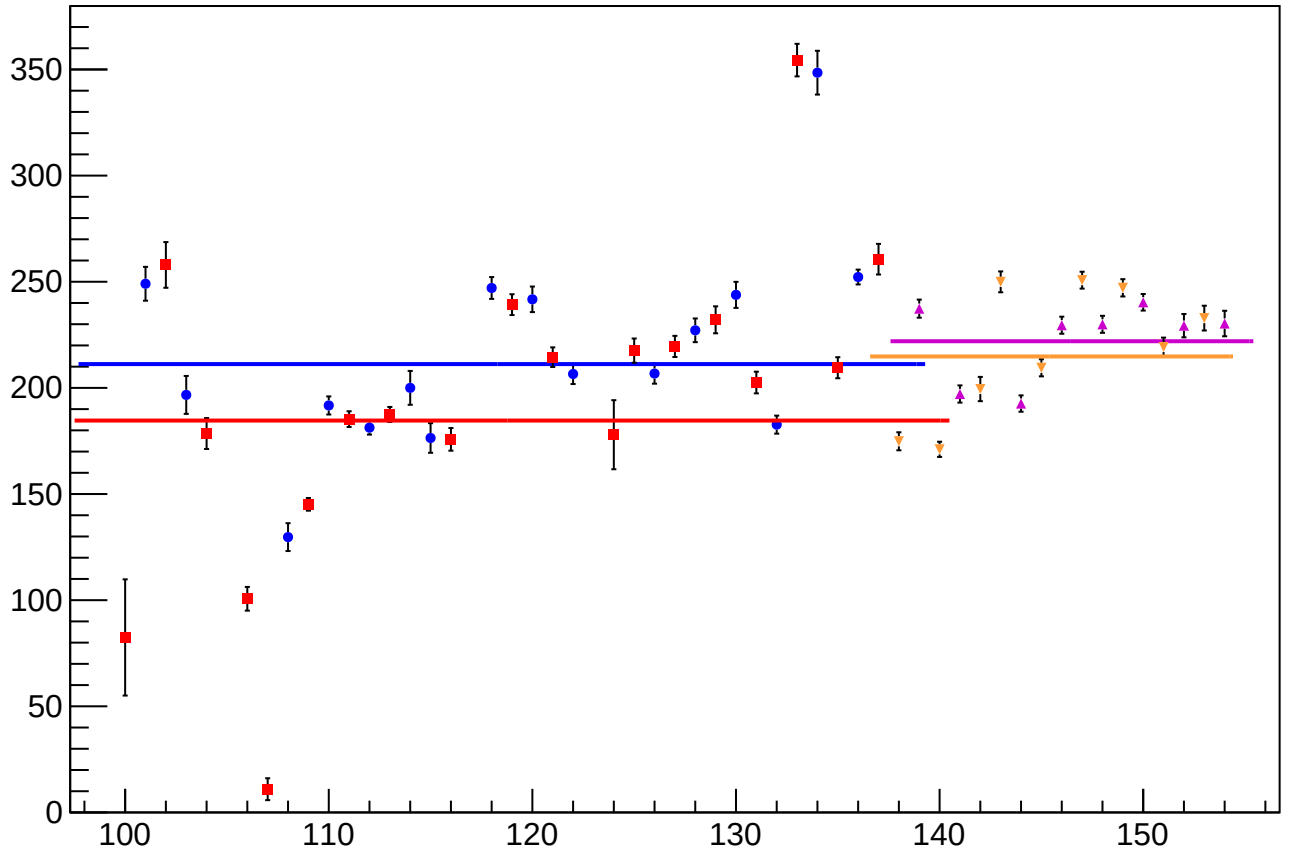
Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 43.190+/-1.098 χ^2/NDF:530.0/23

Out: 42.159+/-1.041 χ^2/NDF:652.6/27

All: 42.647+/-0.755 χ^2/NDF: 1183.1/51


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: -142.956+/-0.070 χ²/NDF:40362.0/7
Left: -144.081+/-0.049 χ²/NDF: 88134.4/16
Right: -58.243+/-0.052 χ²/NDF: 2098582.3/34
In: -102.294+/-0.051 χ²/NDF:1957986.9/23
Out: -104.190+/-0.051 χ²/NDF:1661004.6/27
All: -103.237+/-0.036 χ²/NDF: 3619692.4/51



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: 221.980+/-1.518 χ^2/NDF:141.8/7

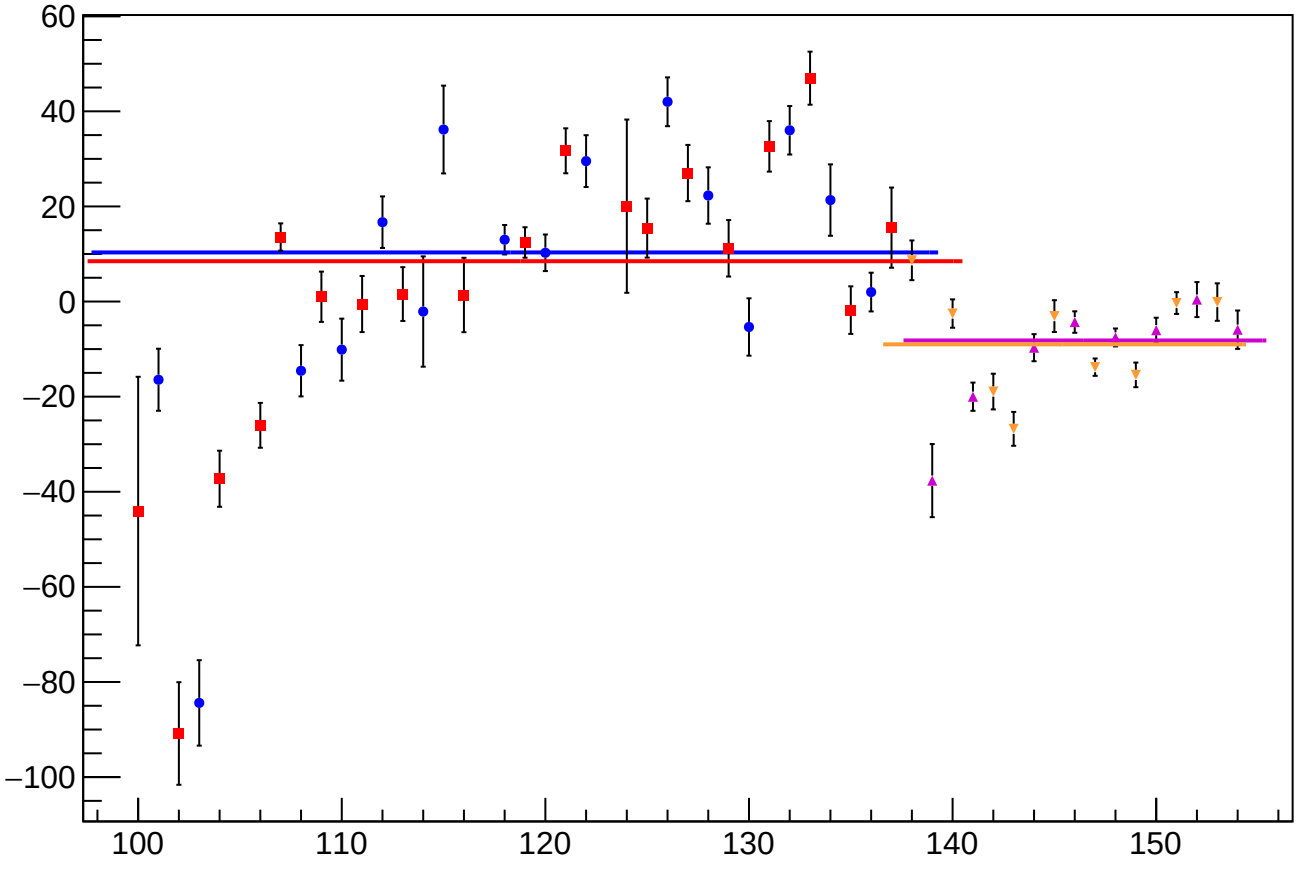
Left: 218.251+/-1.052 χ^2/NDF: 606.2/16

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 215.749+/-0.986 χ^2/NDF:953.9/23

Out: 196.736+/-0.924 χ^2/NDF:3250.0/27

All: 205.627+/-0.674 χ^2/NDF: 4402.0/51



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -9.004+/-0.948 χ^2/NDF:90.2/8

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -8.188+/-0.994 χ^2/NDF:40.4/7

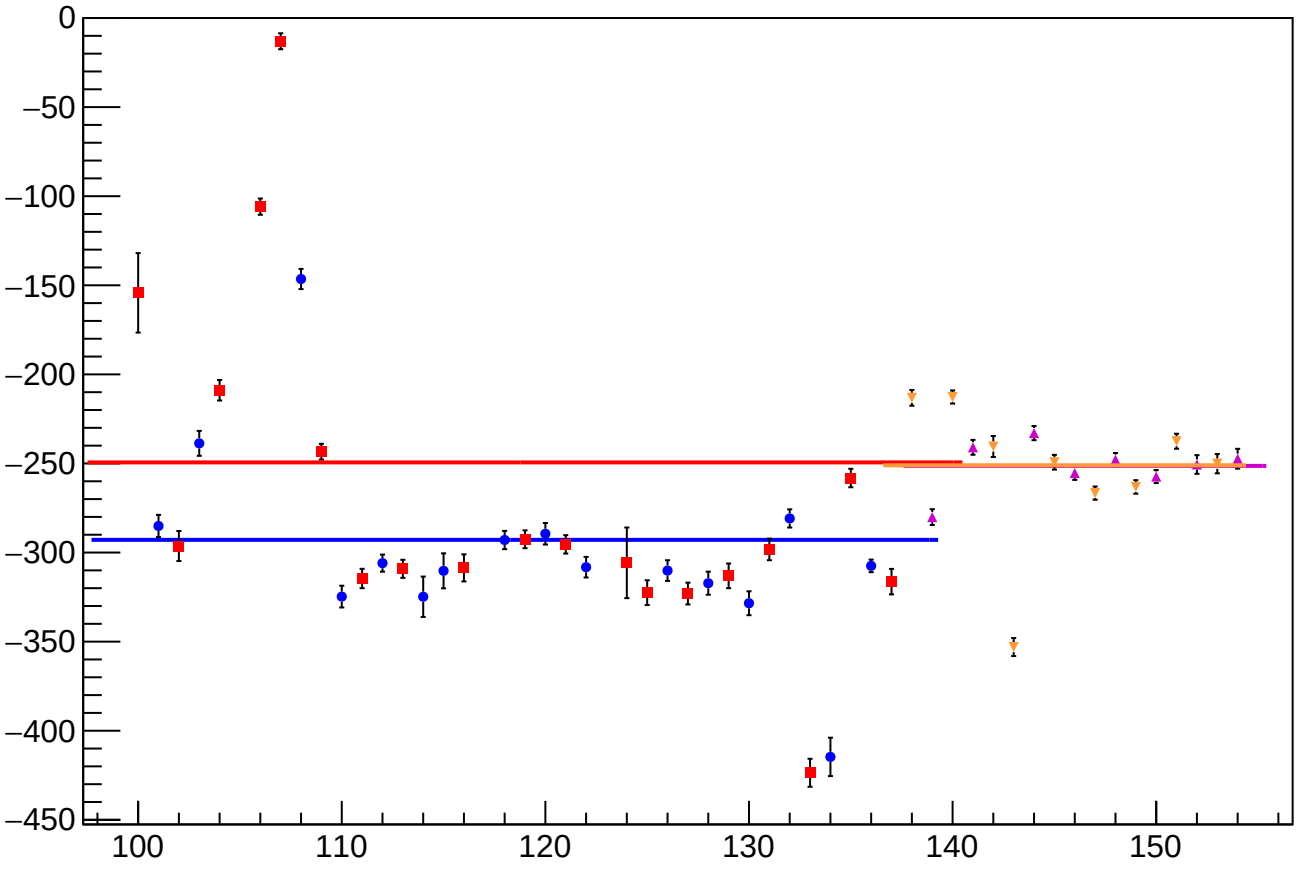
Left: -8.615+/-0.686 χ^2/NDF: 130.9/16

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: -1.569+/-0.797 χ^2/NDF:427.7/23

Out: -2.452+/-0.750 χ^2/NDF:539.9/27

All: -2.037+/-0.546 χ^2/NDF: 968.3/51



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: -251.374+/-1.483 χ^2/NDF:74.9/7

Left: -251.203+/-1.033 χ^2/NDF: 703.7/16

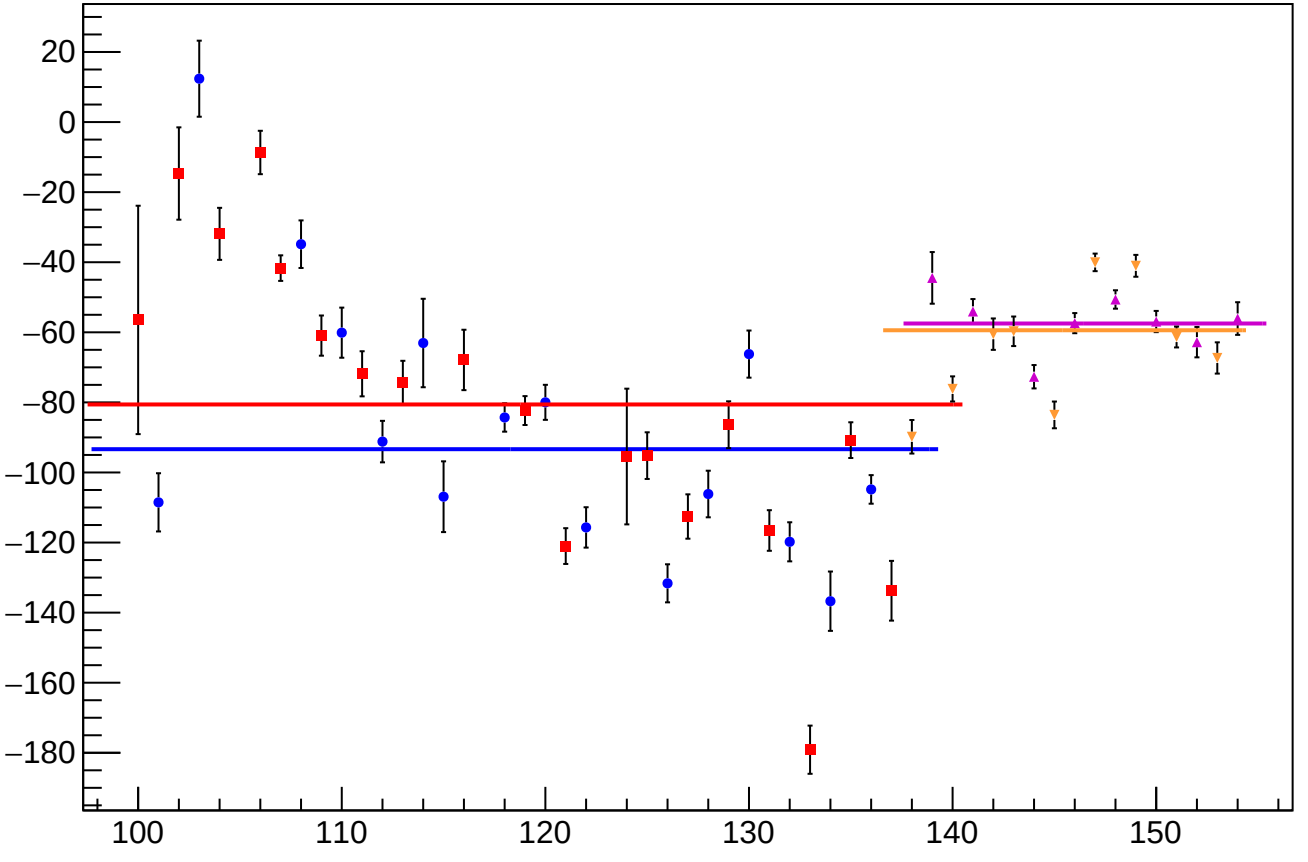
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -272.343+/-1.043 χ^2/NDF:1454.0/23

Out: -250.184+/-0.992 χ^2/NDF:5997.9/27

All: -260.702+/-0.719 χ^2/NDF: 7688.9/51

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: -57.487+/-1.228 χ^2/NDF:33.3/7

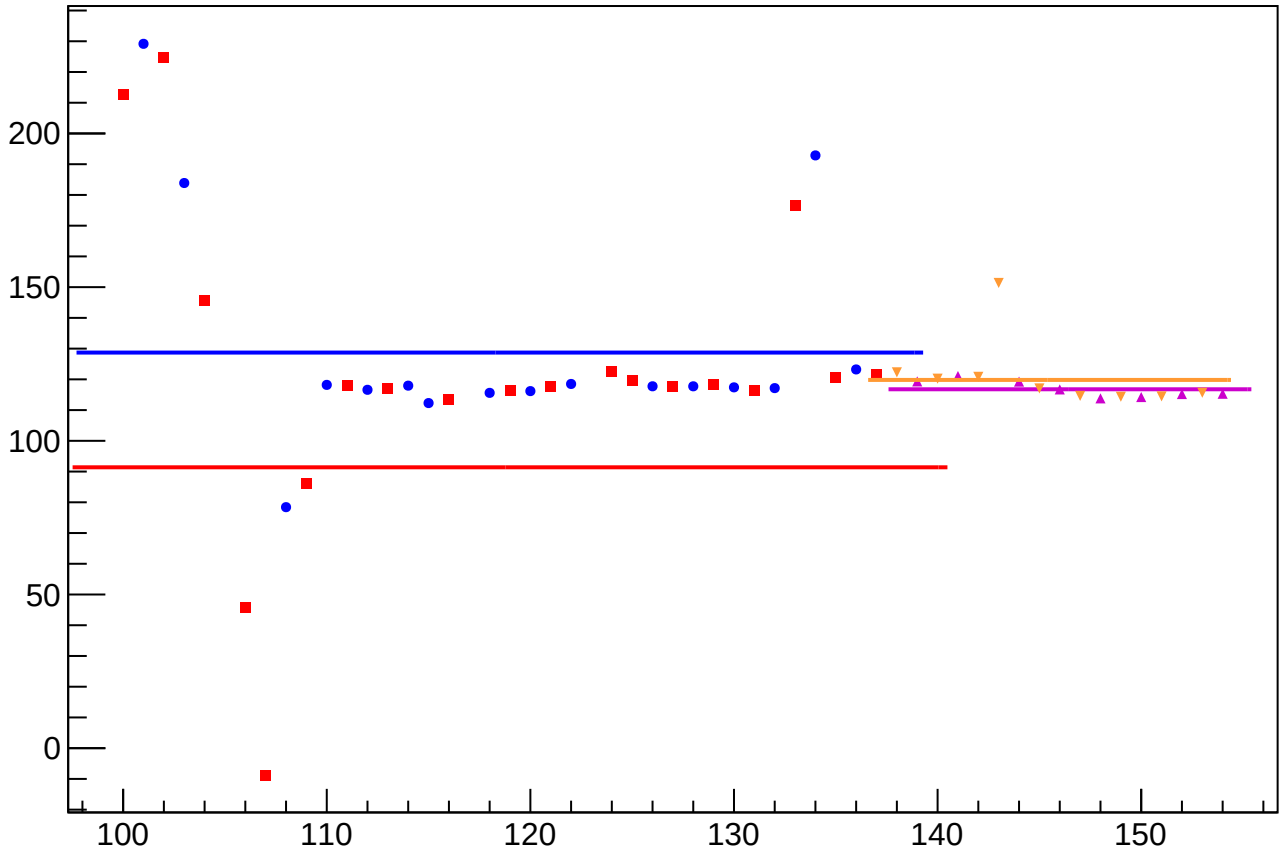
Left: -58.491+/-0.850 χ^2/NDF: 234.9/16

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -71.494+/-0.959 χ^2/NDF:721.7/23

Out: -68.014+/-0.907 χ^2/NDF:1047.1/27

All: -69.659+/-0.659 χ^2/NDF: 1775.7/51



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: 116.771+/-0.059 χ^2/NDF:1896.6/7

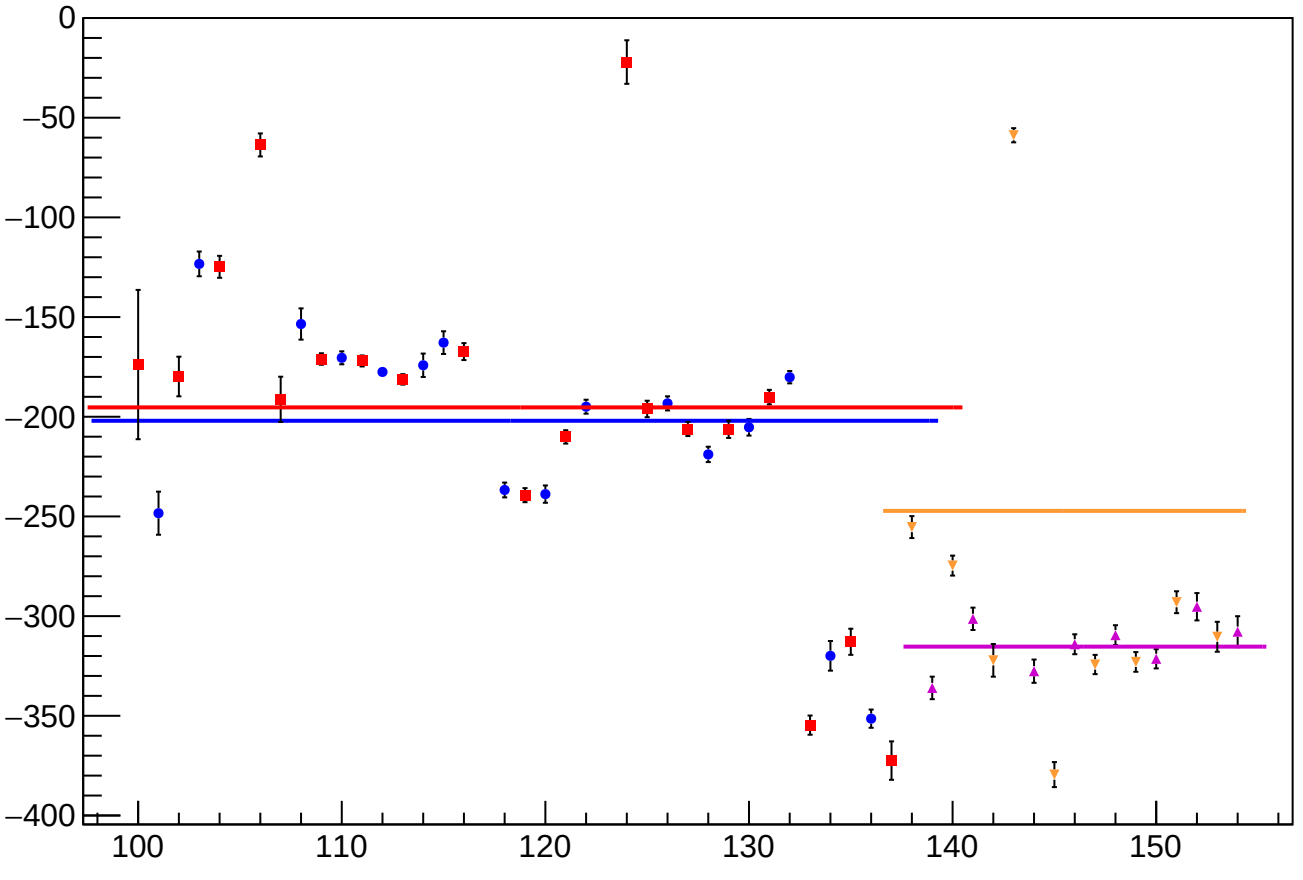
Left: 118.287+/-0.042 χ^2/NDF: 29757.2/16

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 120.405+/-0.049 χ^2/NDF:197912.3/23

Out: 109.611+/-0.047 χ^2/NDF:714340.3/27

All: 114.806+/-0.034 χ^2/NDF: 937252.0/51



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: -315.308+/-1.984 χ^2/NDF:36.6/7

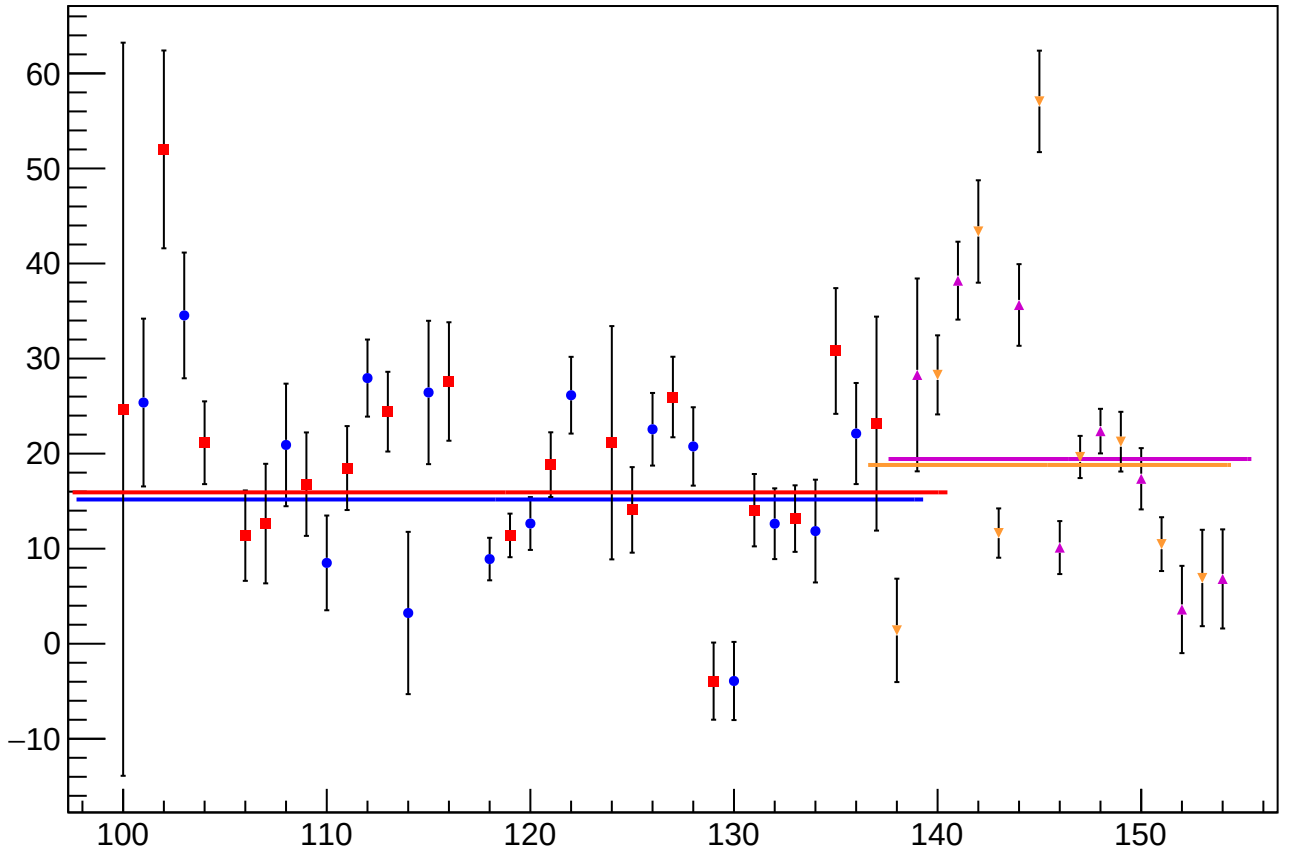
Left: -276.999+/-1.312 χ^2/NDF: 4692.8/16

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -225.855+/-0.910 χ^2/NDF:4651.7/23

Out: -207.597+/-0.851 χ^2/NDF:7766.3/27

All: -216.115+/-0.622 χ^2/NDF: 12632.7/51



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: 19.434+/-1.276 χ^2/NDF:66.9/7

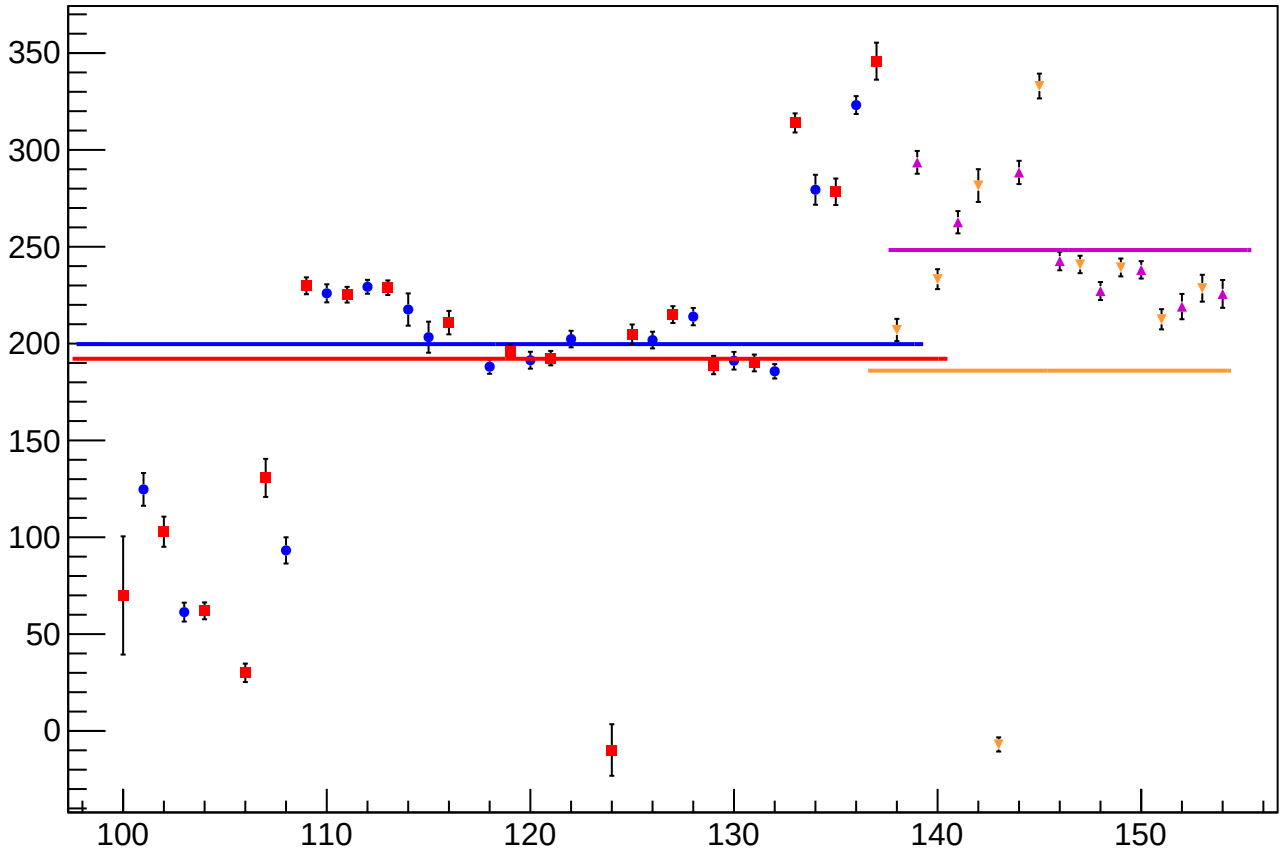
Left: 19.083+/-0.847 χ^2/NDF: 177.1/16

Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 16.891+/-0.810 χ^2/NDF:145.9/23

Out: 17.237+/-0.765 χ^2/NDF:177.2/27

All: 17.074+/-0.556 χ^2/NDF: 323.1/51



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: 248.301+/-1.928 χ^2/NDF:167.0/7

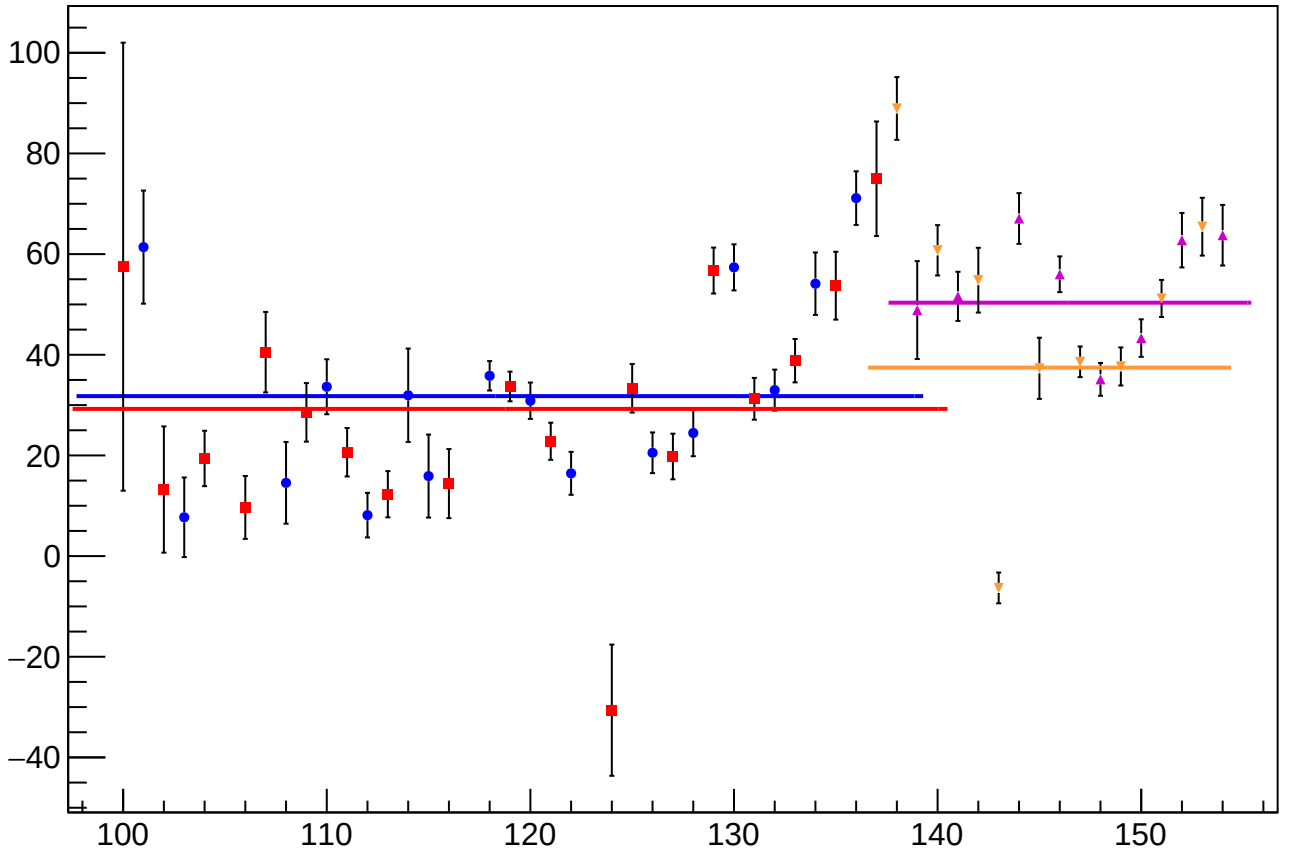
Left: 213.765+/-1.287 χ^2/NDF: 4624.1/16

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 213.212+/-1.016 χ^2/NDF:2727.0/23

Out: 190.273+/-0.958 χ^2/NDF:7664.6/27

All: 201.063+/-0.697 χ^2/NDF: 10661.4/51



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: 50.349+/-1.584 χ^2/NDF:49.2/7

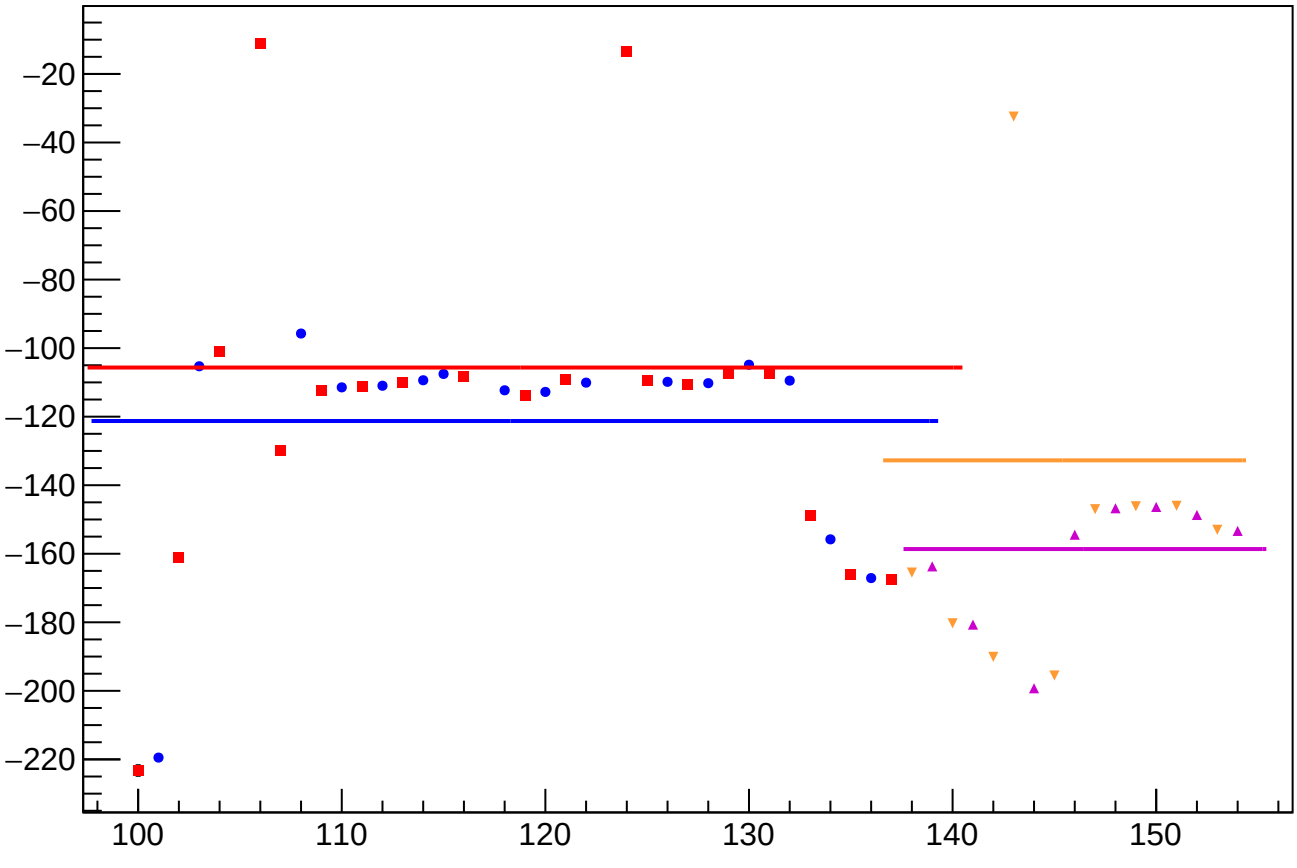
Left: 43.133+/-1.051 χ^2/NDF: 426.3/16

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 38.673+/-0.965 χ^2/NDF:312.6/23

Out: 32.690+/-0.911 χ^2/NDF:500.6/27

All: 35.511+/-0.662 χ^2/NDF: 833.6/51



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: -158.626+/-0.076 χ^2/NDF:43289.9/7

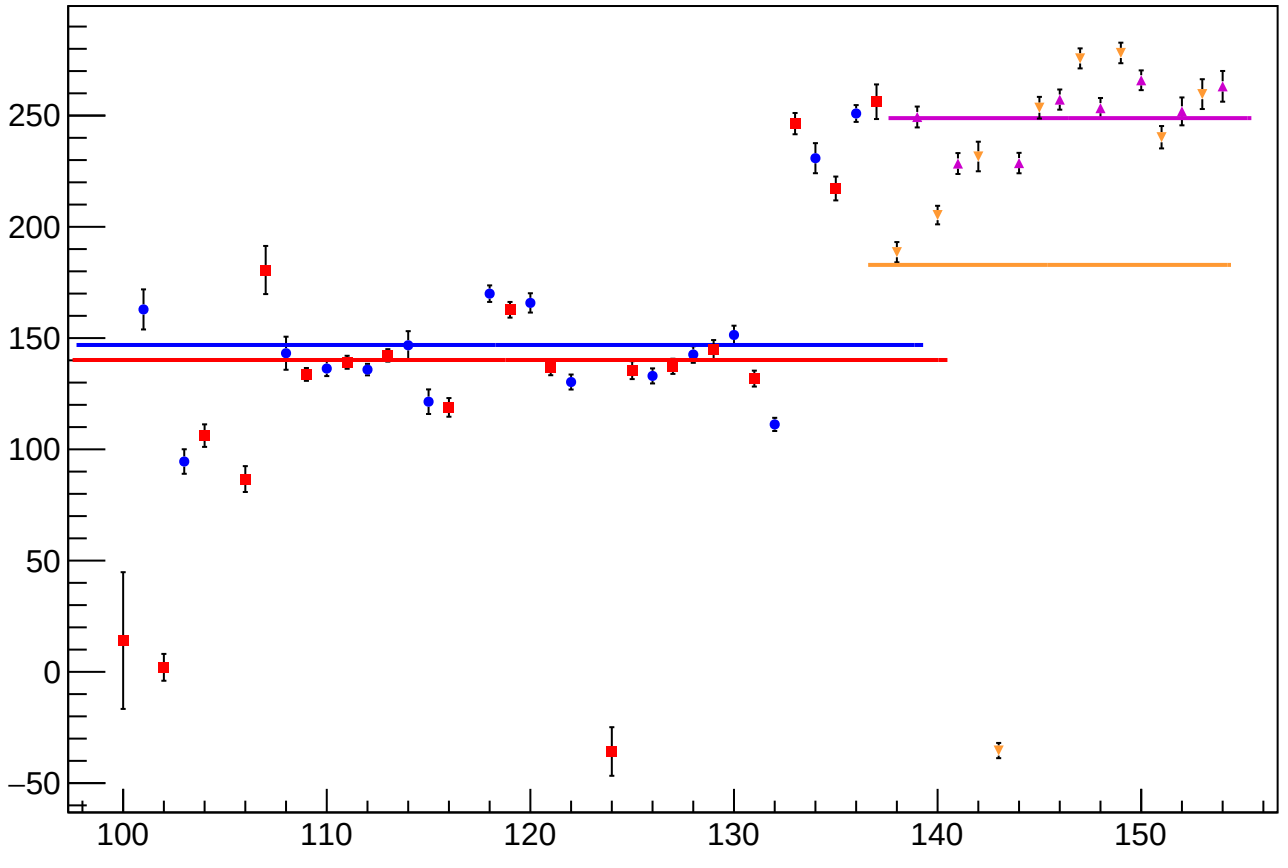
Left: -144.775+/-0.052 χ^2/NDF: 713232.2/16

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -140.621+/-0.055 χ^2/NDF:277881.7/23

Out: -119.852+/-0.052 χ^2/NDF:1032529.5/27

All: -129.563+/-0.038 χ^2/NDF: 1386330.3/51



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: 248.854+/-1.735 χ^2/NDF:61.8/7

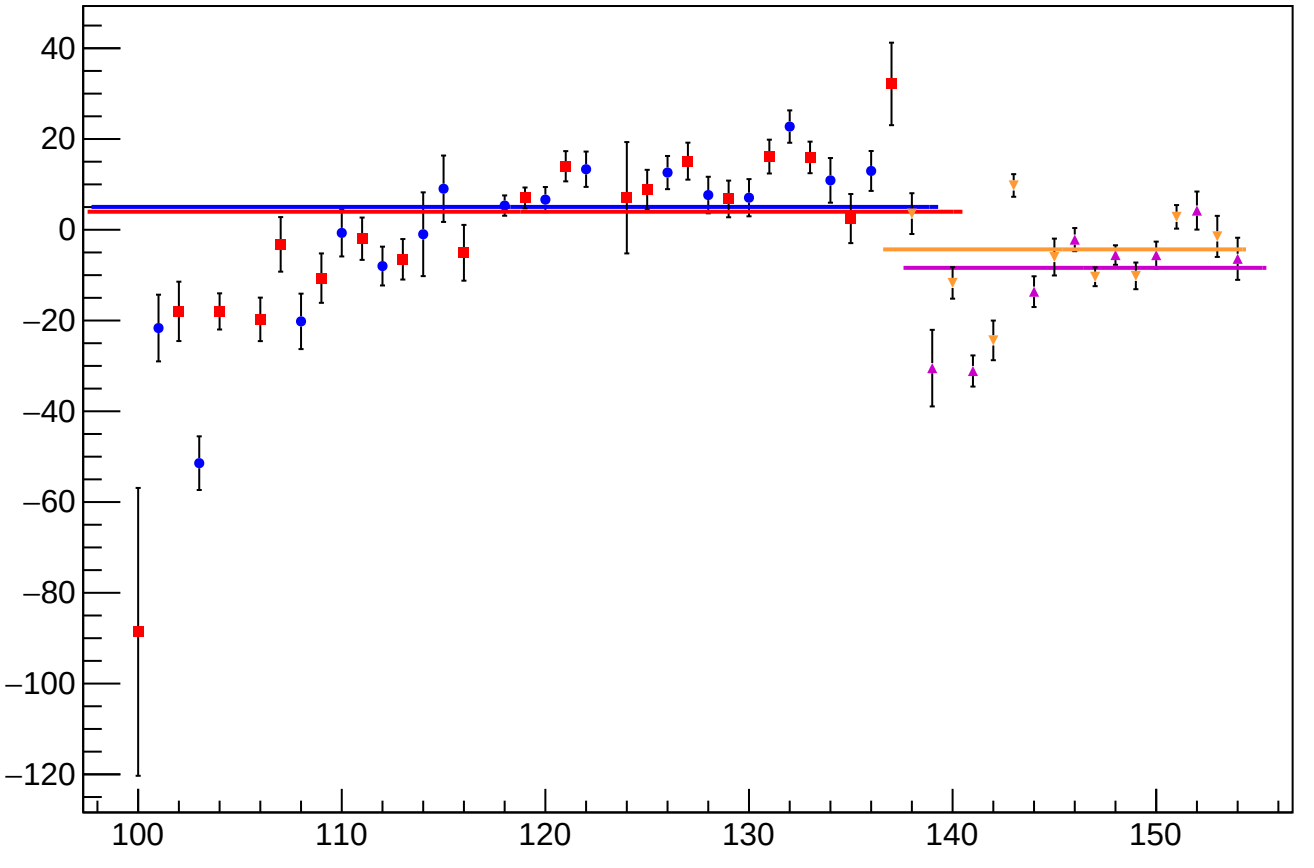
Left: 212.245+/-1.158 χ^2/NDF: 6346.1/16

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 172.446+/-0.869 χ^2/NDF:3950.6/23

Out: 151.960+/-0.817 χ^2/NDF:7980.5/27

All: 161.574+/-0.595 χ^2/NDF: 12226.3/51



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: -8.393+/-1.138 χ^2/NDF:70.9/7

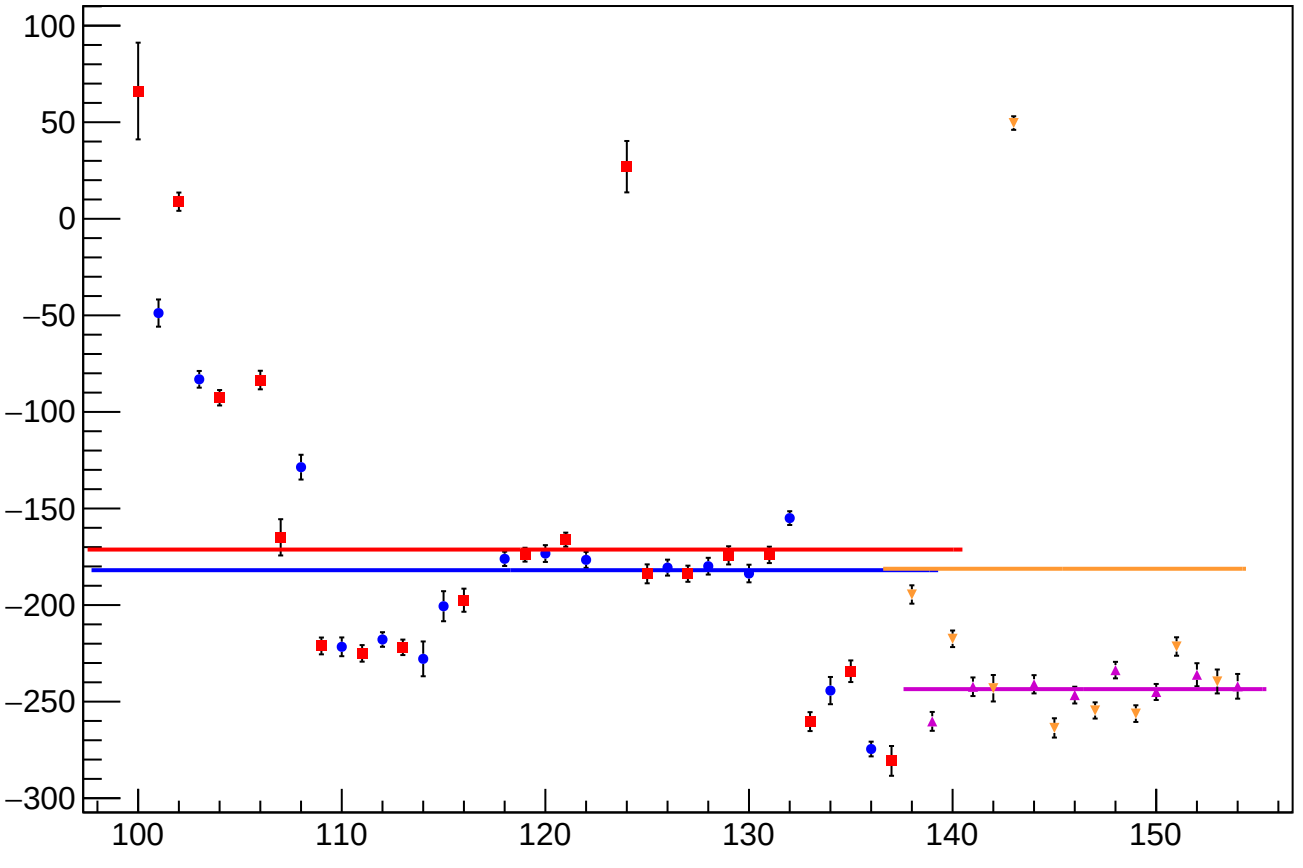
Left: -6.145+/-0.761 χ^2/NDF: 159.2/16

Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: -0.952+/-0.760 χ^2/NDF:319.9/23

Out: -0.126+/-0.720 χ^2/NDF:259.4/27

All: -0.517+/-0.523 χ^2/NDF: 579.9/51



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: -243.527+/-1.695 χ^2/NDF:19.6/7

Left: -209.402+/-1.140 χ^2/NDF: 6267.3/16

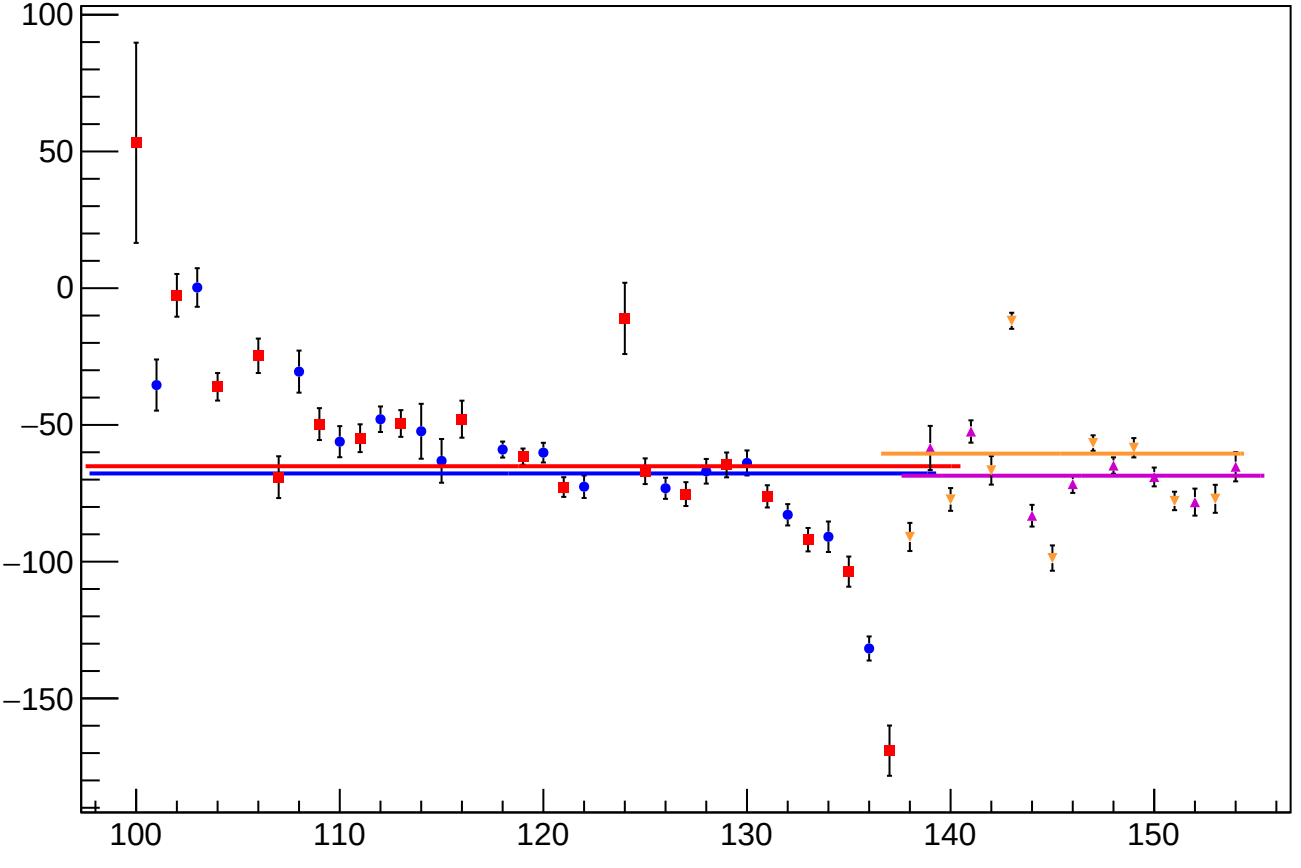
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -201.451+/-0.954 χ^2/NDF:2792.0/23

Out: -174.664+/-0.901 χ^2/NDF:9162.9/27

All: -187.297+/-0.655 χ^2/NDF: 12371.6/51

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -60.491+/-1.265 χ^2/NDF:432.5/8

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -68.568+/-1.407 χ^2/NDF:37.4/7

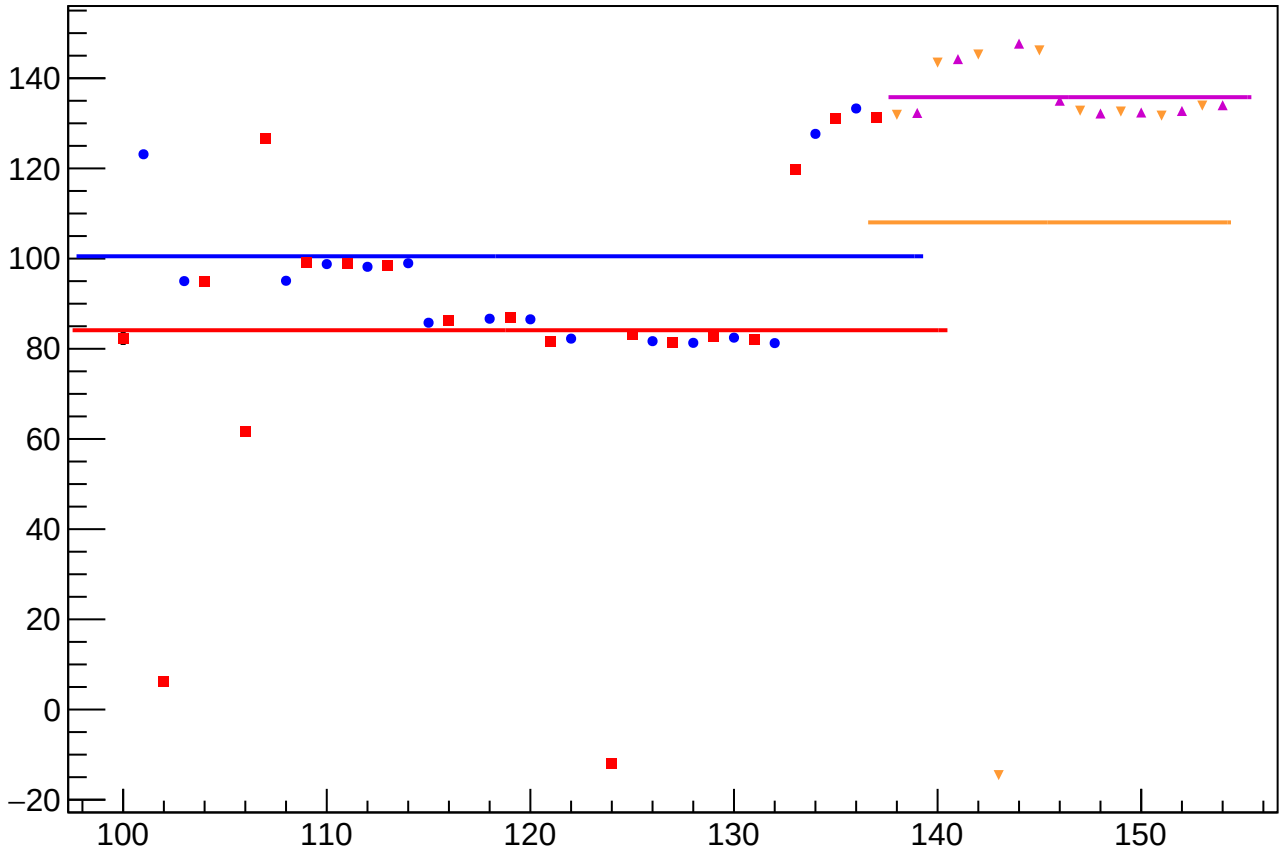
Left: -64.103+/-0.941 χ^2/NDF: 488.2/16

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -68.085+/-0.904 χ^2/NDF:451.7/23

Out: -62.984+/-0.858 χ^2/NDF:868.7/27

All: -65.399+/-0.622 χ^2/NDF: 1337.2/51



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: 135.797+/-0.067 χ^2/NDF:6520.0/7

Left: 121.102+/-0.046 χ^2/NDF: 972841.7/16

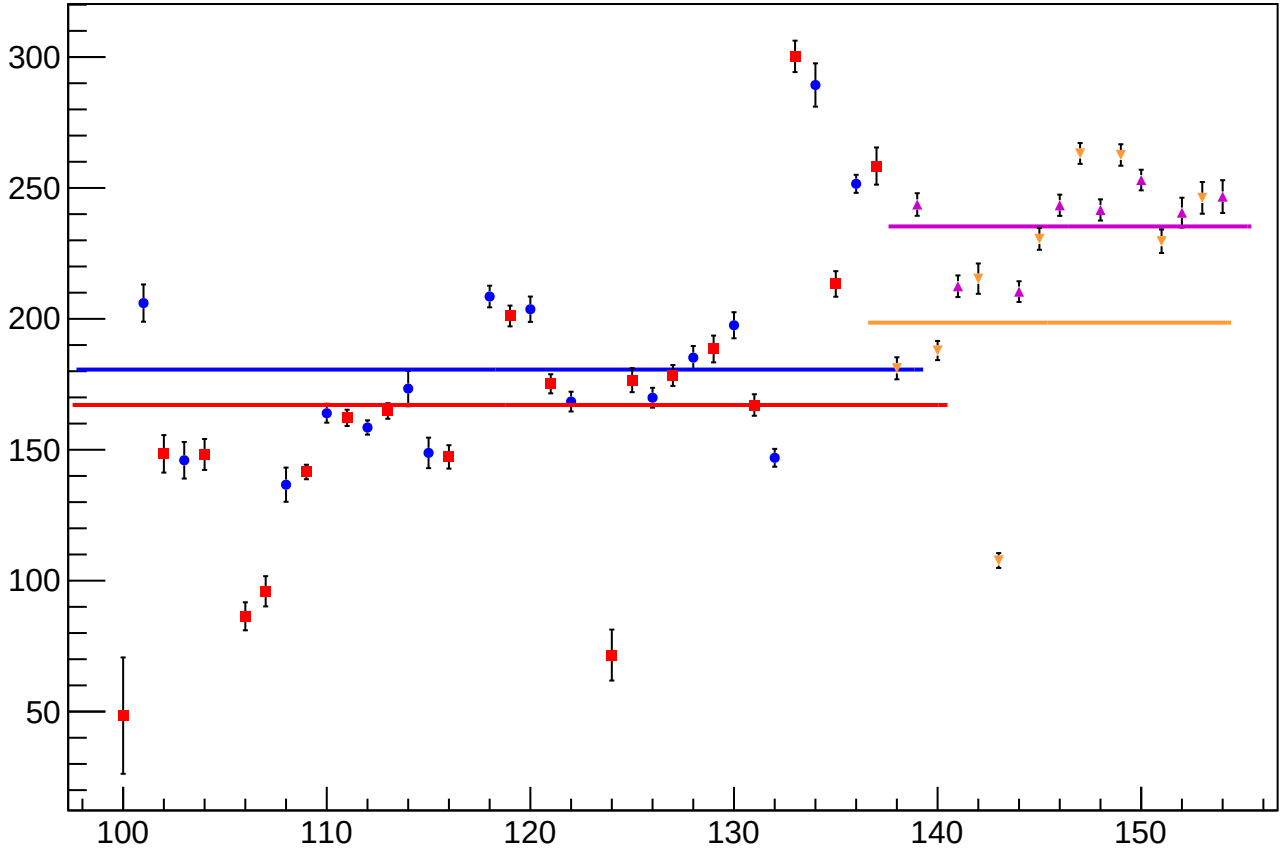
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 119.838+/-0.050 χ^2/NDF:198585.8/23

Out: 97.117+/-0.047 χ^2/NDF:1204725.2/27

All: 107.773+/-0.034 χ^2/NDF: 1514081.1/51

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: 235.304+/-1.546 χ^2/NDF:104.7/7

Left: 214.592+/-1.021 χ^2/NDF: 2153.6/16

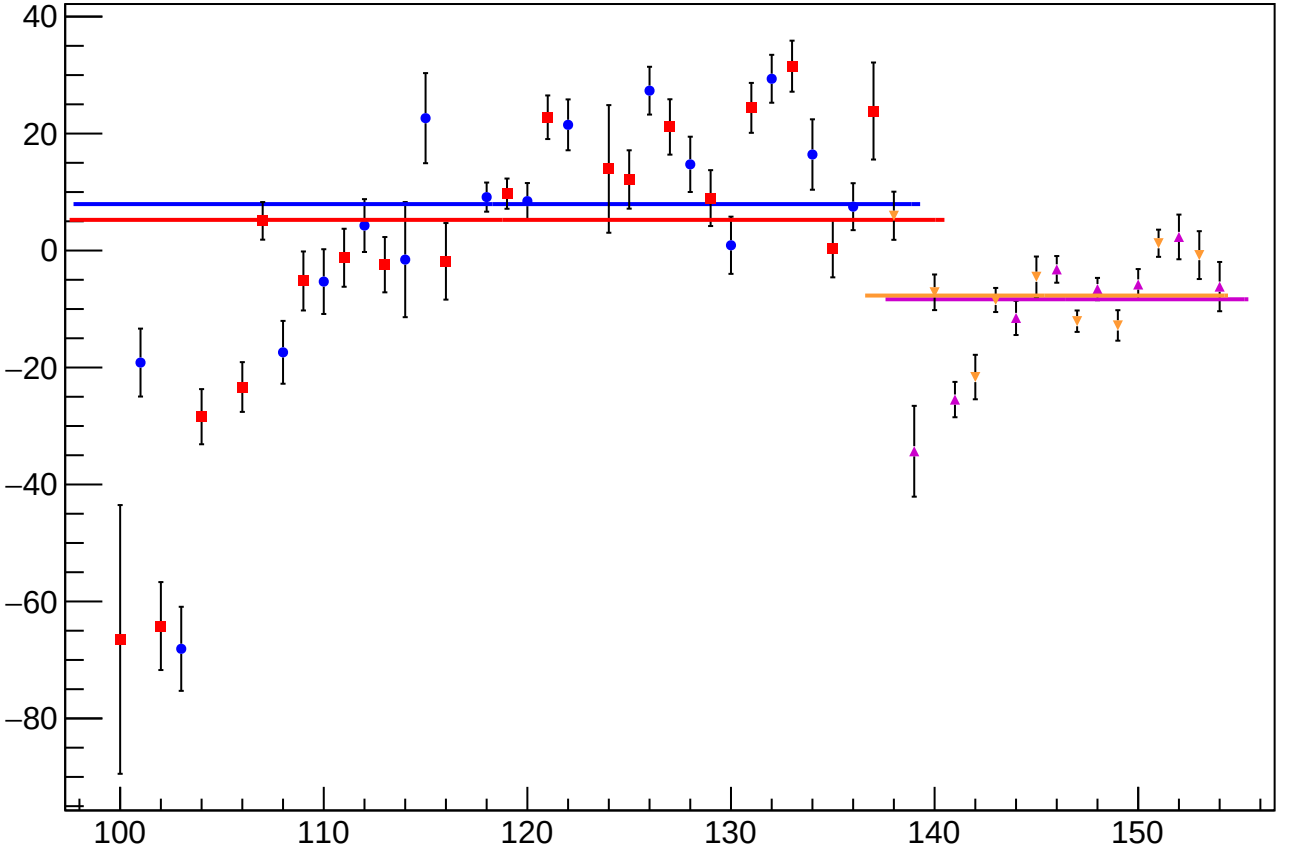
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.786+/-0.891 χ^2/NDF:1933.9/23

Out: 178.436+/-0.816 χ^2/NDF:3557.0/27

All: 187.729+/-0.602 χ^2/NDF: 5774.6/51

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: -8.332+/-1.010 χ^2/NDF:59.4/7

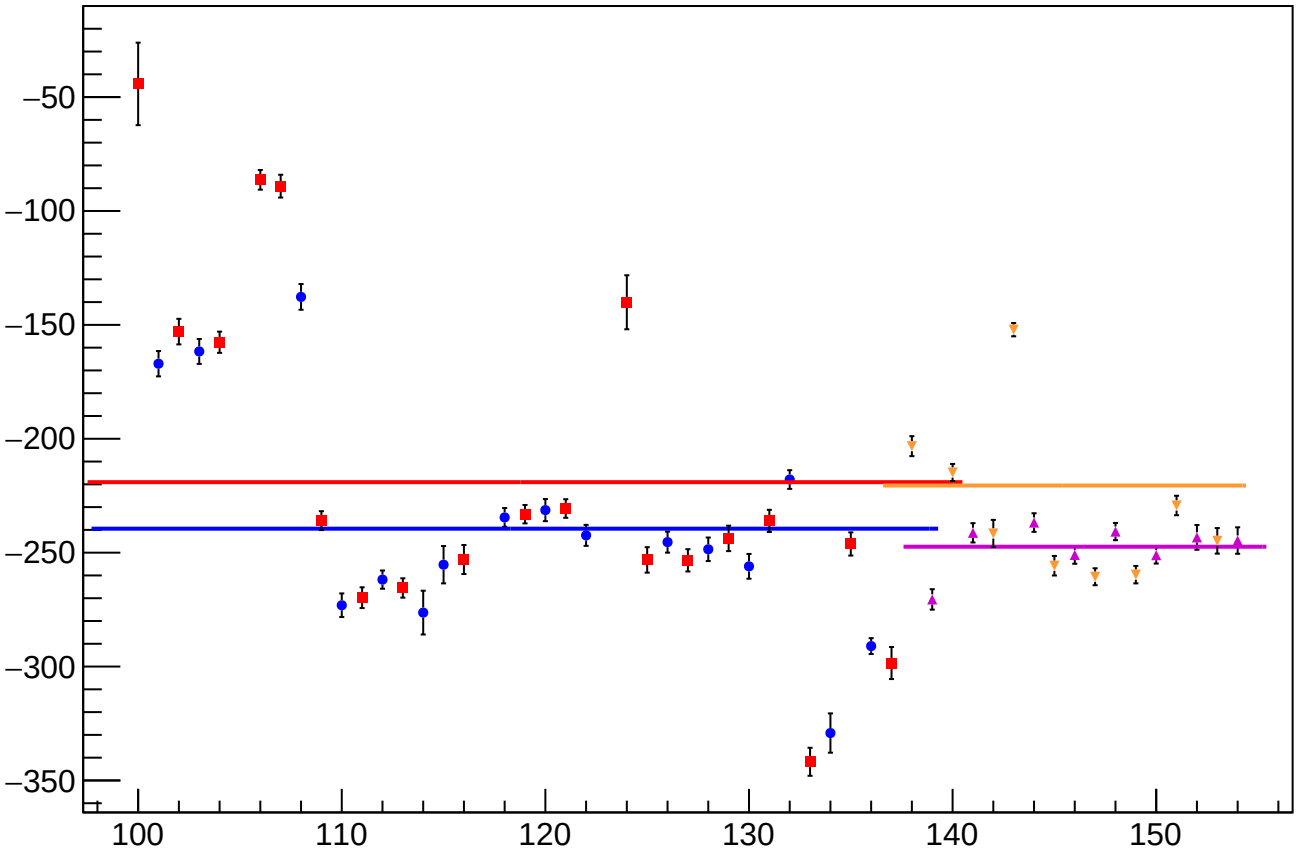
Left: -7.976+/-0.670 χ^2/NDF: 112.3/16

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.983+/-0.748 χ^2/NDF:409.6/23

Out: -2.313+/-0.685 χ^2/NDF:442.3/27

All: -1.707+/-0.505 χ^2/NDF: 853.6/51



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: -247.391+/-1.510 χ^2/NDF:41.1/7

Left: -232.464+/-1.006 χ^2/NDF: 1105.6/16

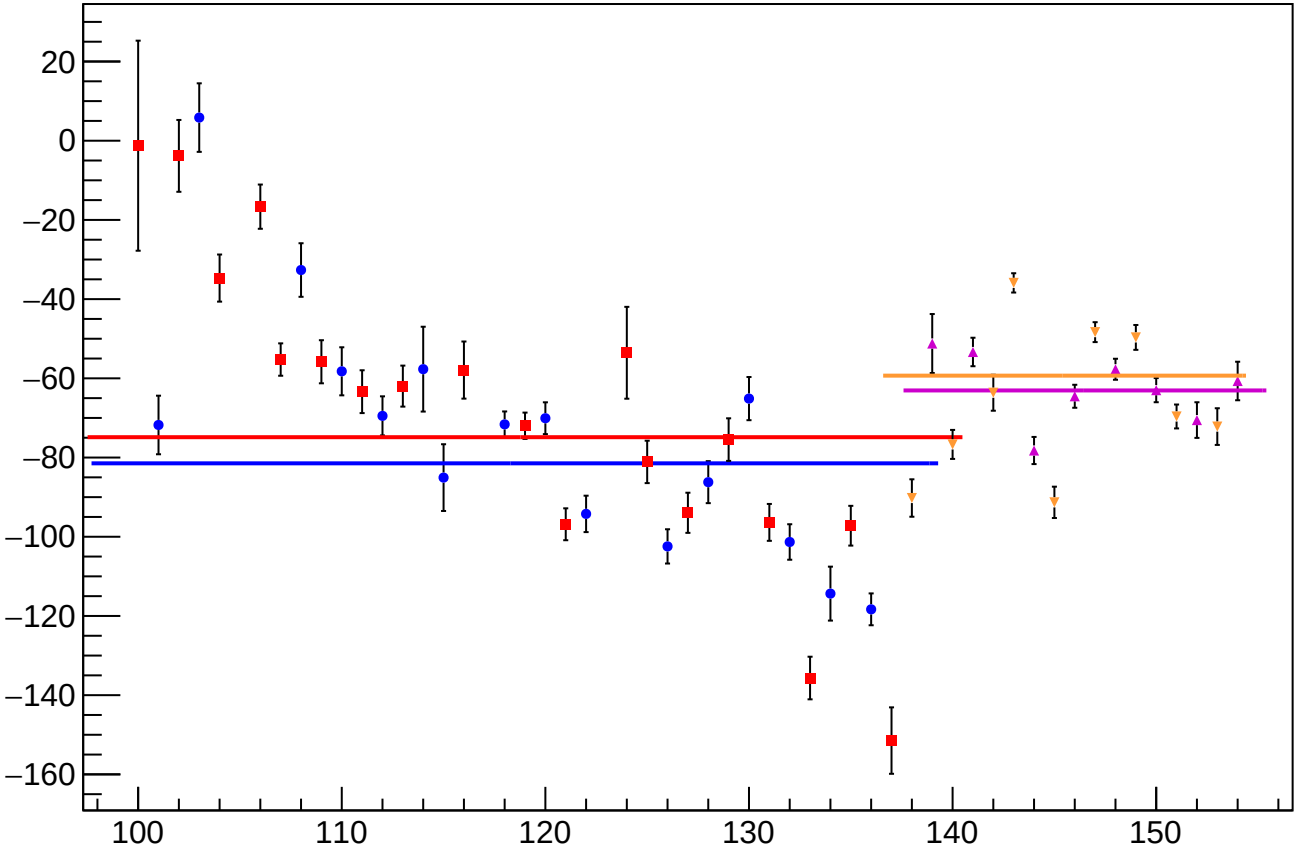
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.677+/-0.961 χ^2/NDF:1219.7/23

Out: -219.689+/-0.887 χ^2/NDF:3938.5/27

All: -230.266+/-0.652 χ^2/NDF: 5467.4/51

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.320+/-1.107 χ^2/NDF:271.9/8

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.057+/-1.249 χ^2/NDF:36.7/7

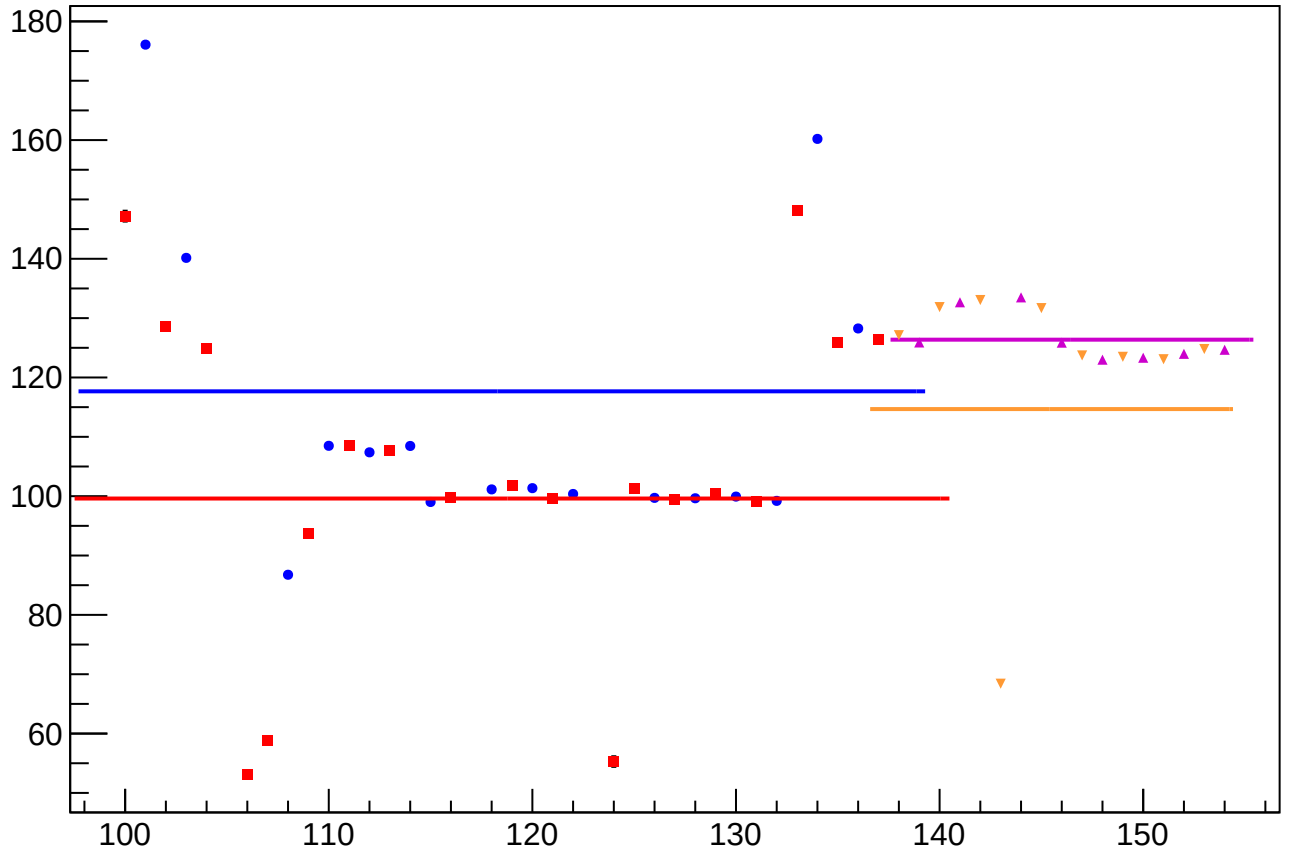
Left: -60.963+/-0.828 χ^2/NDF: 313.6/16

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -71.986+/-0.896 χ^2/NDF:508.5/23

Out: -66.273+/-0.823 χ^2/NDF:936.7/27

All: -68.886+/-0.606 χ^2/NDF: 1467.3/51



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: 126.370+/-0.060 χ^2/NDF:3982.5/7

Left: 120.082+/-0.041 χ^2/NDF: 211294.9/16

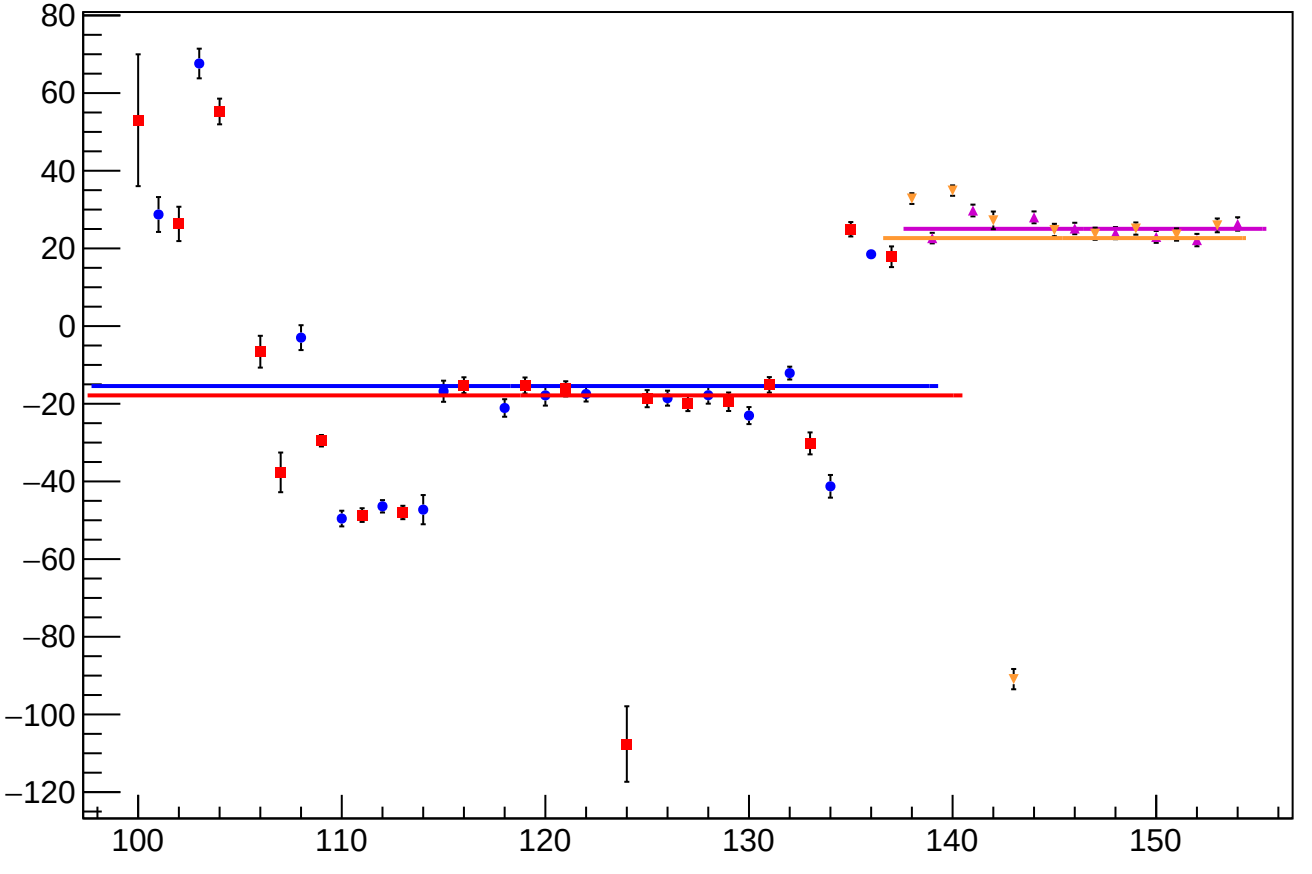
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.144+/-0.048 χ^2/NDF:107165.8/23

Out: 108.866+/-0.044 χ^2/NDF:381404.9/27

All: 115.381+/-0.032 χ^2/NDF: 537393.9/51

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: 25.046+/-0.540 χ^2/NDF:22.7/7

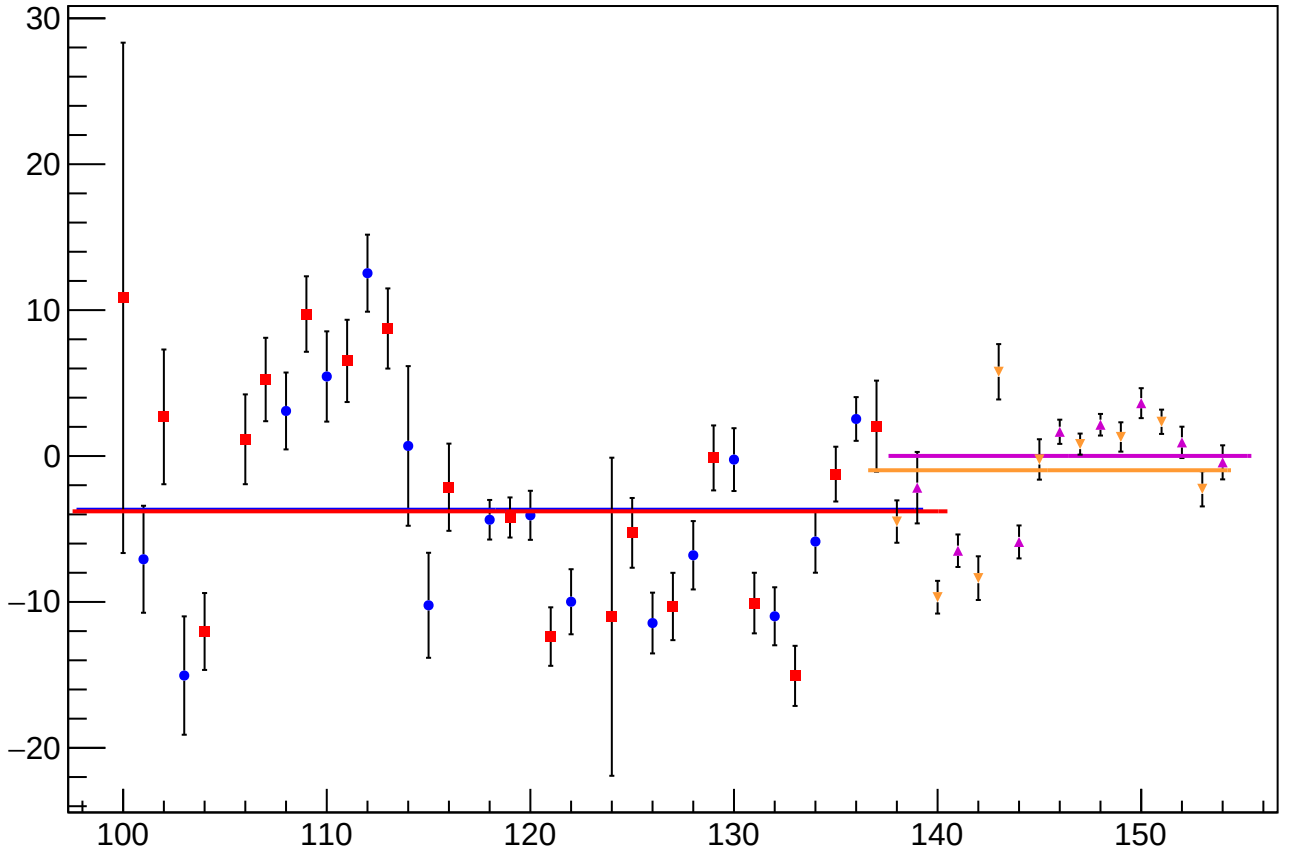
Left: 23.870+/-0.384 χ^2/NDF: 2071.7/16

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

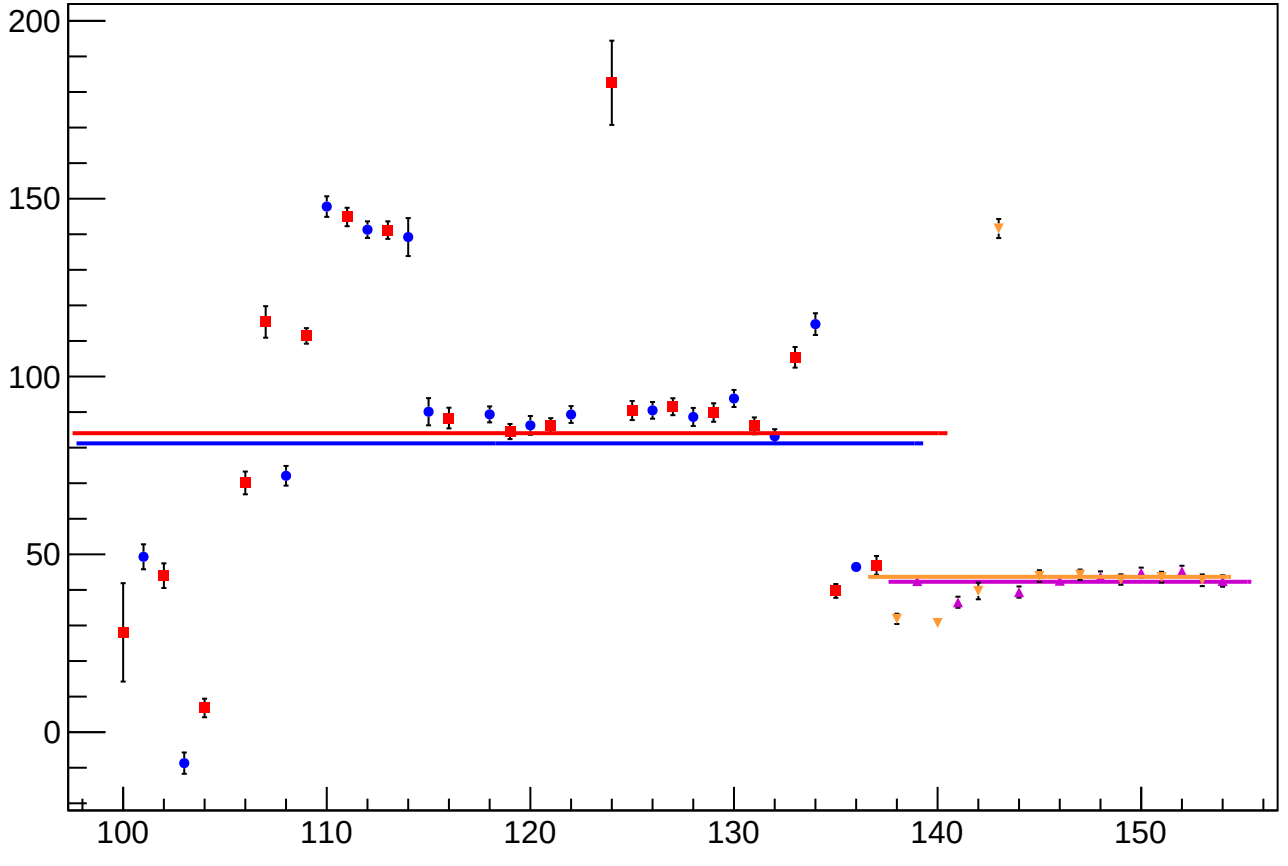
In: 4.774+/-0.381 χ^2/NDF:4962.9/23

Out: 1.727+/-0.381 χ^2/NDF:6991.3/27

All: 3.247+/-0.269 χ^2/NDF: 11986.2/51


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -0.975+/-0.364 χ²/NDF:131.8/8
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: 0.008+/-0.363 χ²/NDF:87.6/7
Left: -0.483+/-0.257 χ²/NDF: 223.1/16
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.106+/-0.303 χ²/NDF:242.8/23
Out: -1.803+/-0.306 χ²/NDF:310.6/27
All: -1.452+/-0.215 χ²/NDF: 556.0/51

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: 42.289+/-0.527 χ^2/NDF:25.2/7

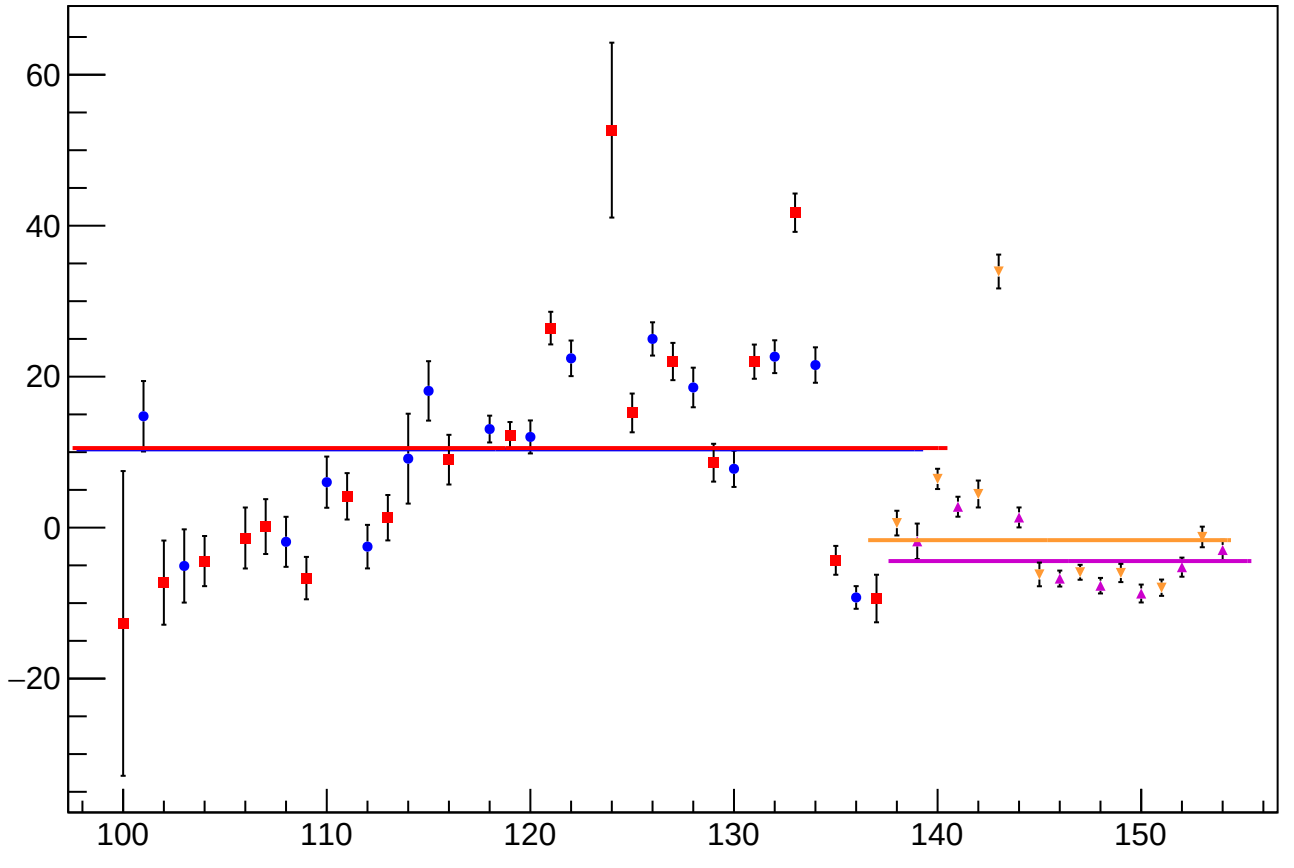
Left: 42.967+/-0.377 χ^2/NDF: 1516.2/16

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 59.023+/-0.398 χ^2/NDF:5597.8/23

Out: 61.190+/-0.406 χ^2/NDF:7126.9/27

All: 60.085+/-0.284 χ^2/NDF: 12739.2/51



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: -4.430+/-0.445 χ^2/NDF:79.6/7

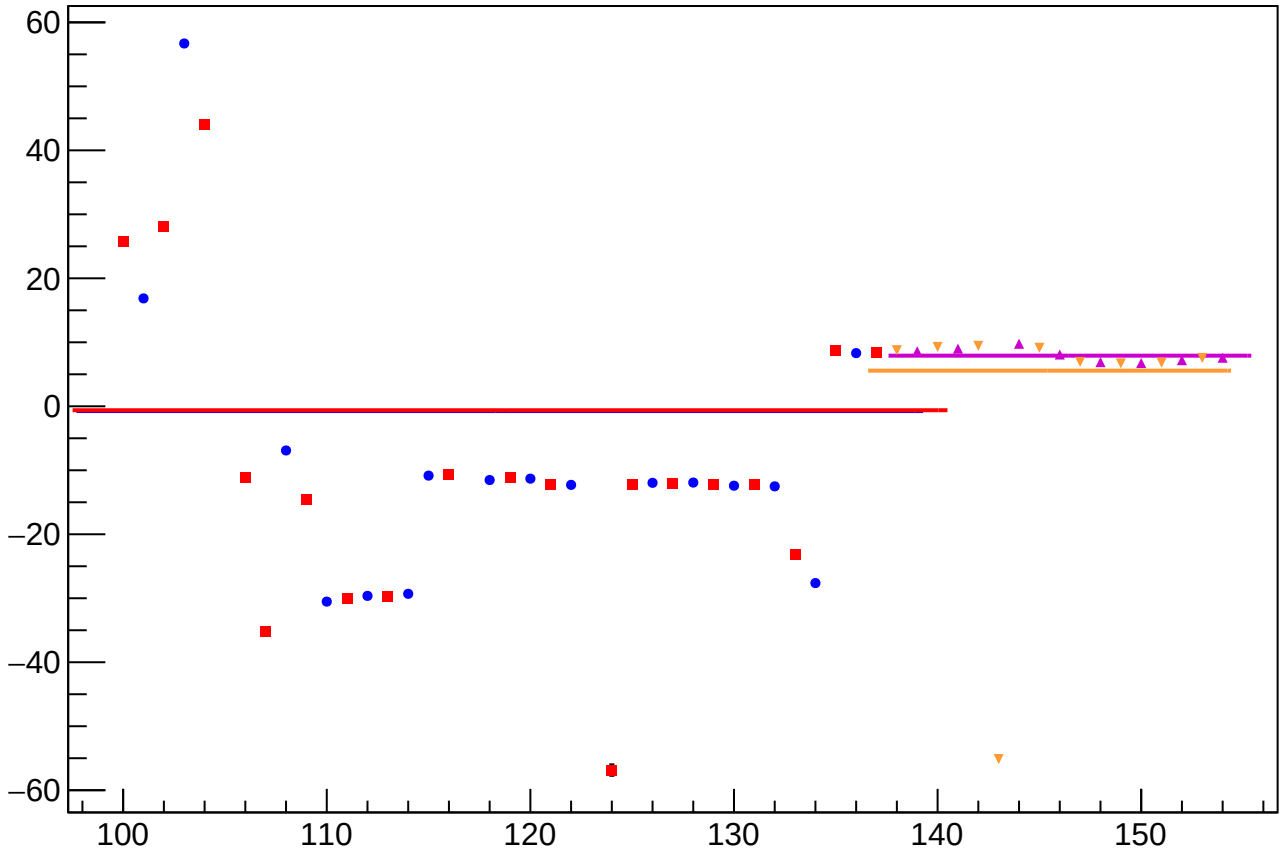
Left: -3.059+/-0.316 χ^2/NDF: 475.2/16

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.530+/-0.363 χ^2/NDF:810.2/23

Out: 2.366+/-0.368 χ^2/NDF:1090.4/27

All: 1.436+/-0.258 χ^2/NDF: 1913.2/51



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: 7.911+/-0.021 χ^2/NDF:2091.0/7

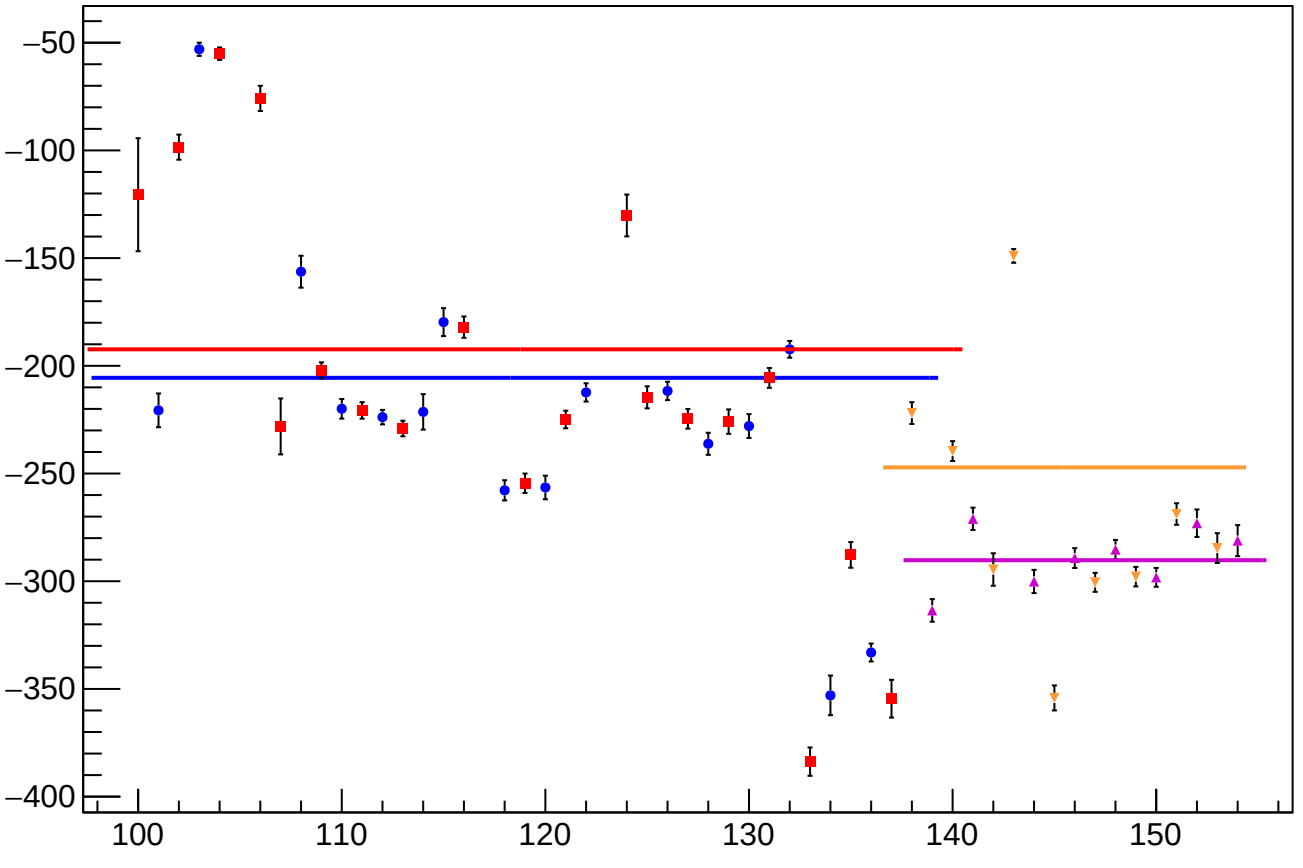
Left: 6.809+/-0.015 χ^2/NDF: 317270.4/16

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.777+/-0.018 χ^2/NDF:413937.3/23

Out: 3.999+/-0.019 χ^2/NDF:646044.3/27

All: 4.936+/-0.013 χ^2/NDF: 1064692.0/51



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: -290.247+/-1.823 χ^2/NDF:50.3/7

Left: -265.872+/-1.202 χ^2/NDF: 2030.0/16

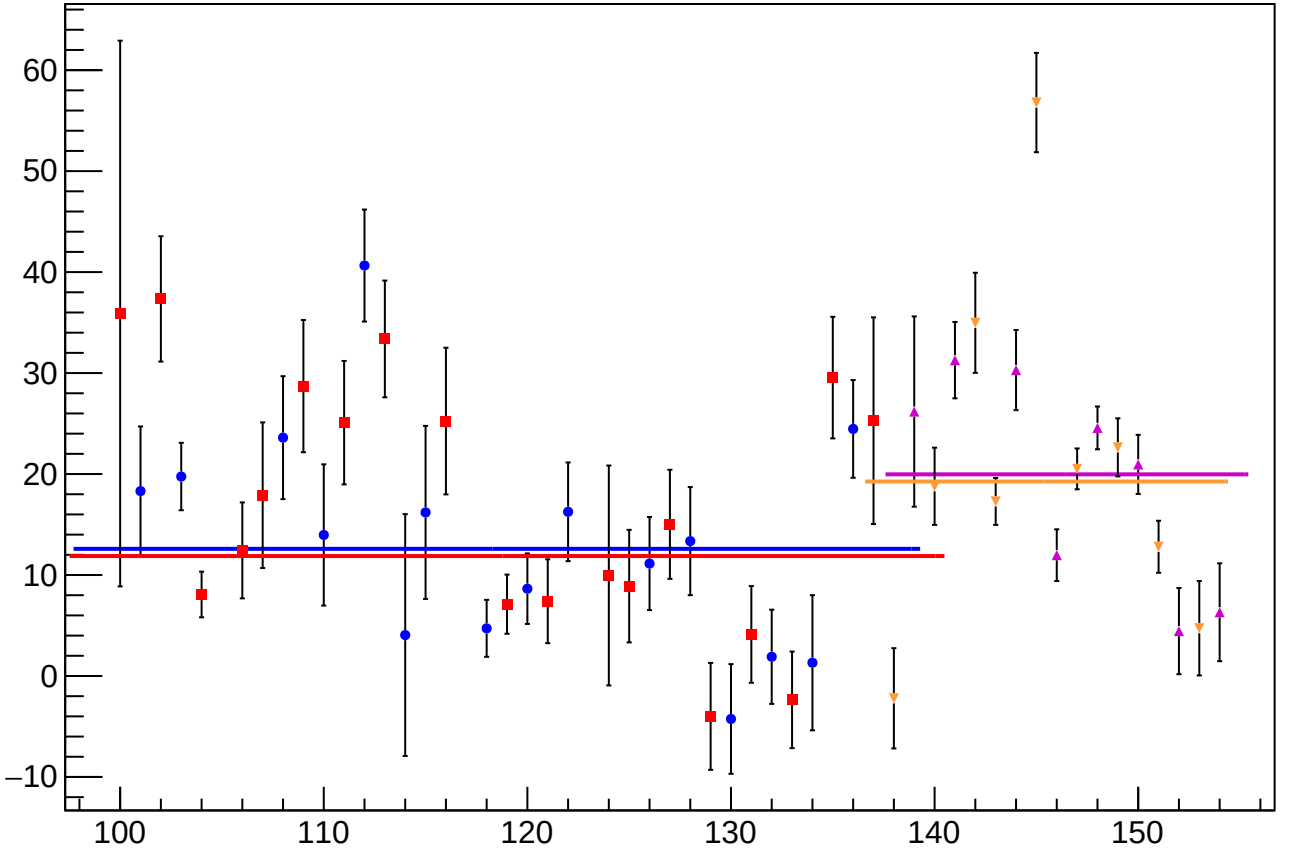
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -230.711+/-0.993 χ^2/NDF:5622.5/23

Out: -210.460+/-0.918 χ^2/NDF:7421.6/27

All: -219.793+/-0.674 χ^2/NDF: 13268.2/51

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: 19.971+/-1.167 χ^2/NDF:51.9/7

Left: 19.572+/-0.773 χ^2/NDF: 157.6/16

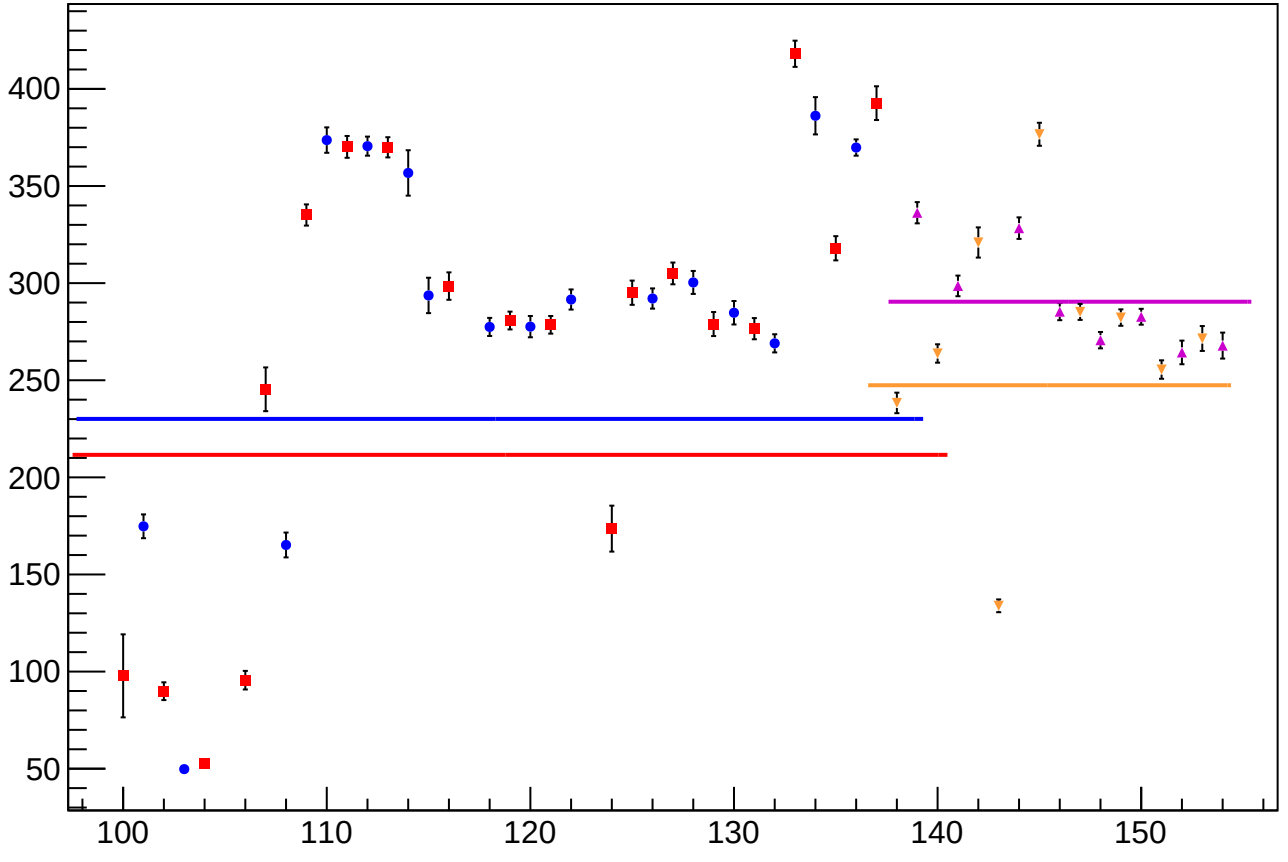
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 16.392+/-0.838 χ^2/NDF:139.8/23

Out: 15.874+/-0.760 χ^2/NDF:213.8/27

All: 16.108+/-0.563 χ^2/NDF: 353.9/51

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: 290.427+/-1.771 χ^2/NDF:176.1/7

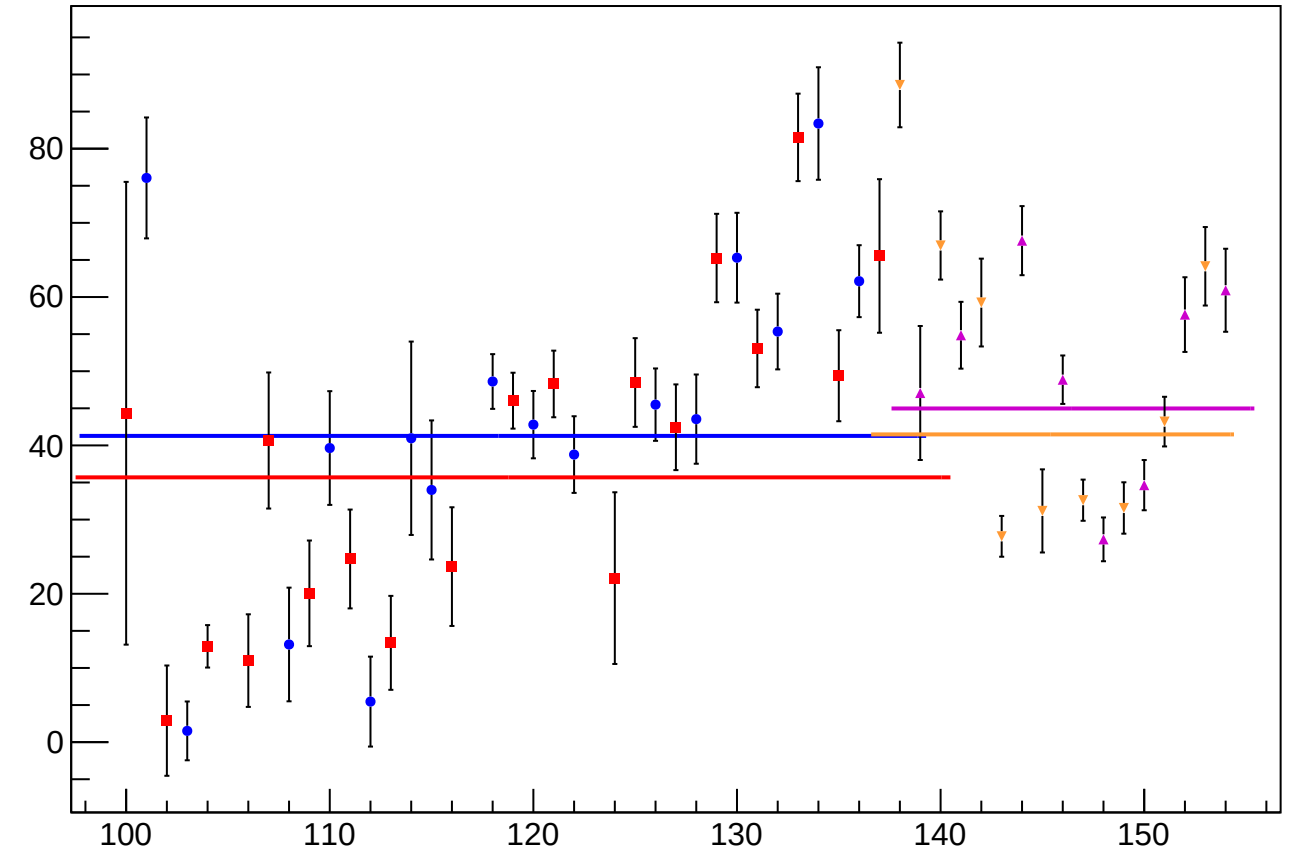
Left: 266.459+/-1.179 χ^2/NDF: 2439.3/16

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 250.357+/-1.027 χ^2/NDF:10322.2/23

Out: 224.646+/-0.953 χ^2/NDF:13734.4/27

All: 236.547+/-0.698 χ^2/NDF: 24393.6/51



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: 44.978+/-1.451 χ^2/NDF:89.4/7

Left: 43.015+/-0.961 χ^2/NDF: 265.9/16

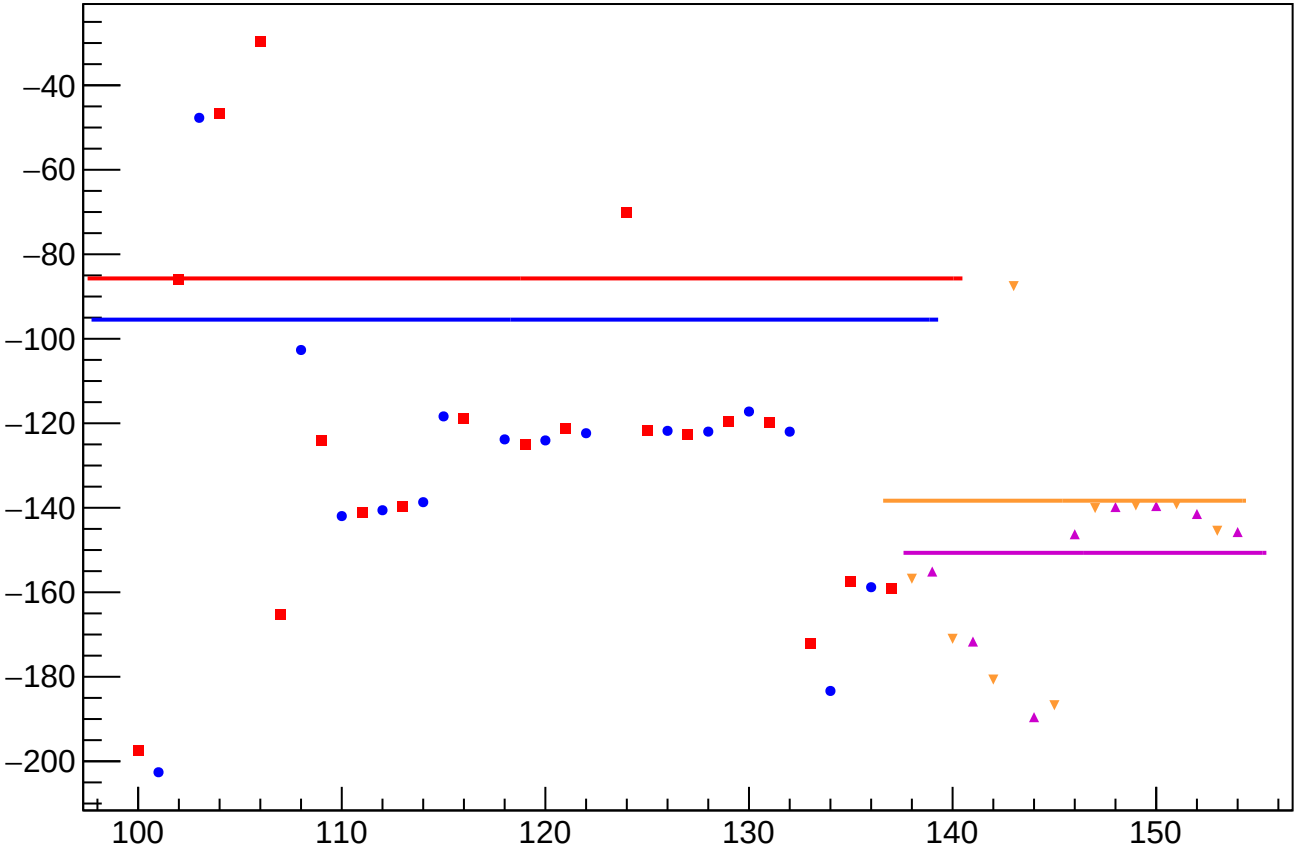
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 43.061+/-1.007 χ^2/NDF:338.5/23

Out: 38.667+/-0.918 χ^2/NDF:436.4/27

All: 40.663+/-0.678 χ^2/NDF: 785.3/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -138.325+/-0.065 χ^2/NDF:229407.9/8

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -150.664+/-0.070 χ^2/NDF:45544.6/7

Left: -144.030+/-0.048 χ^2/NDF: 291538.6/16

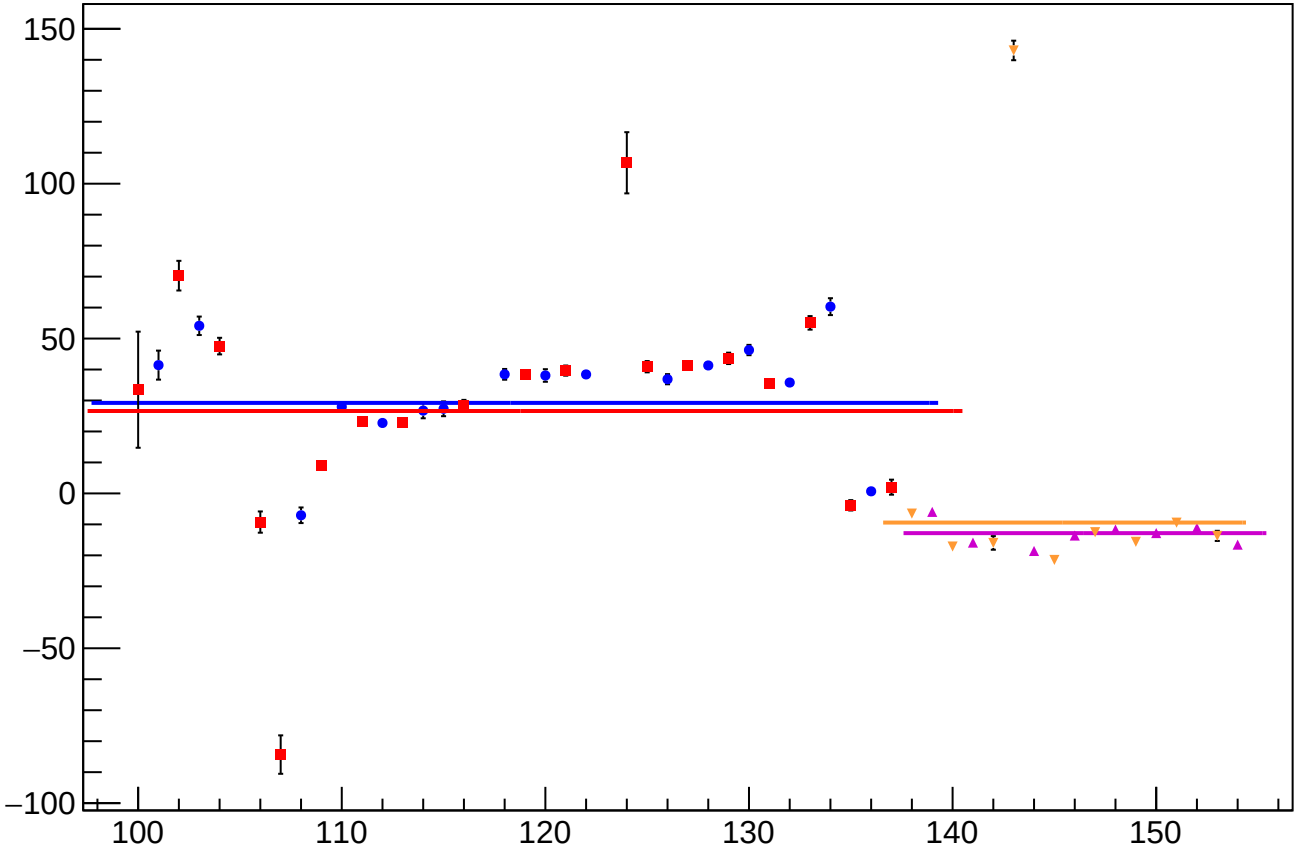
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -122.751+/-0.049 χ^2/NDF:877696.5/23

Out: -112.738+/-0.047 χ^2/NDF:1029166.1/27

All: -117.464+/-0.034 χ^2/NDF: 1928569.8/51

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: -12.827+/-0.501 χ^2/NDF:58.7/7

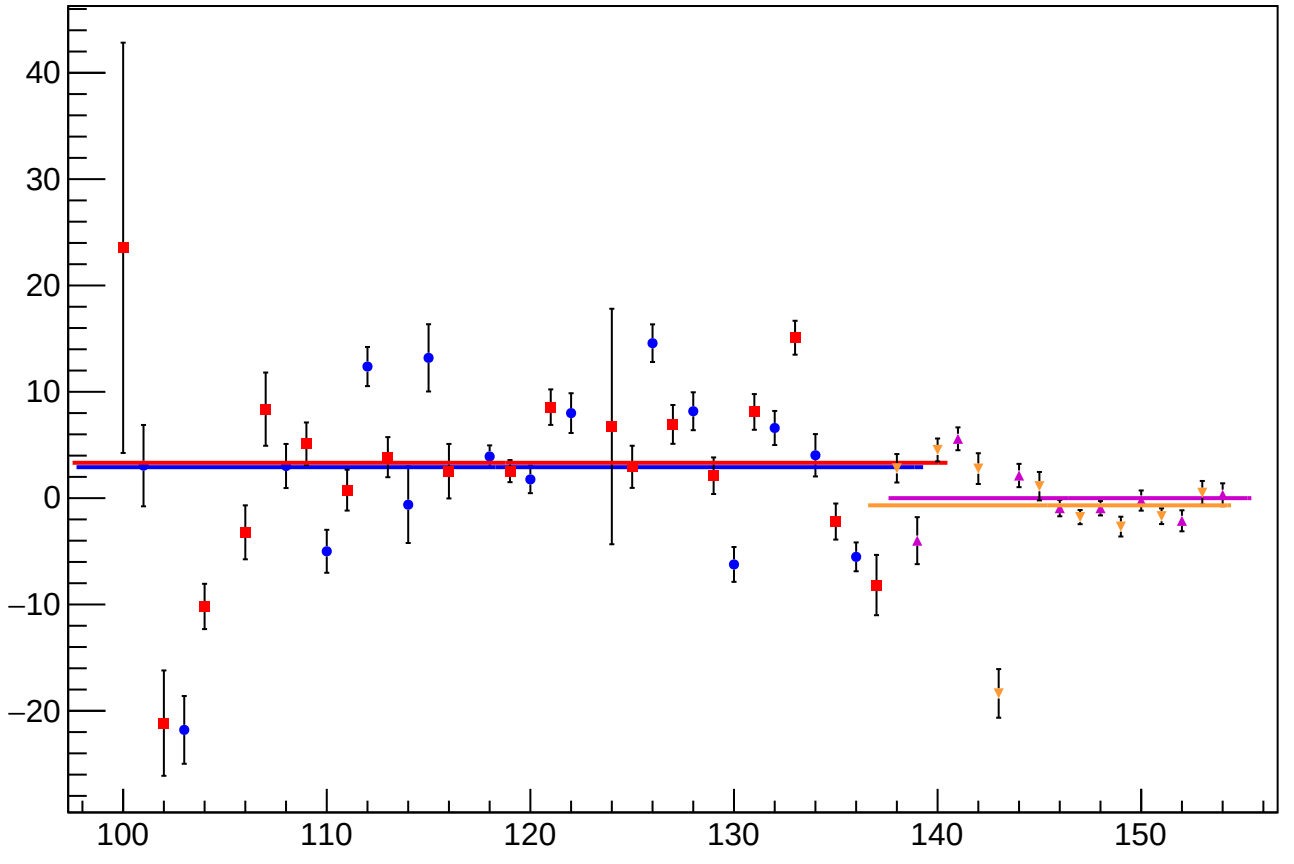
Left: -11.161+/-0.359 χ^2/NDF: 2556.0/16

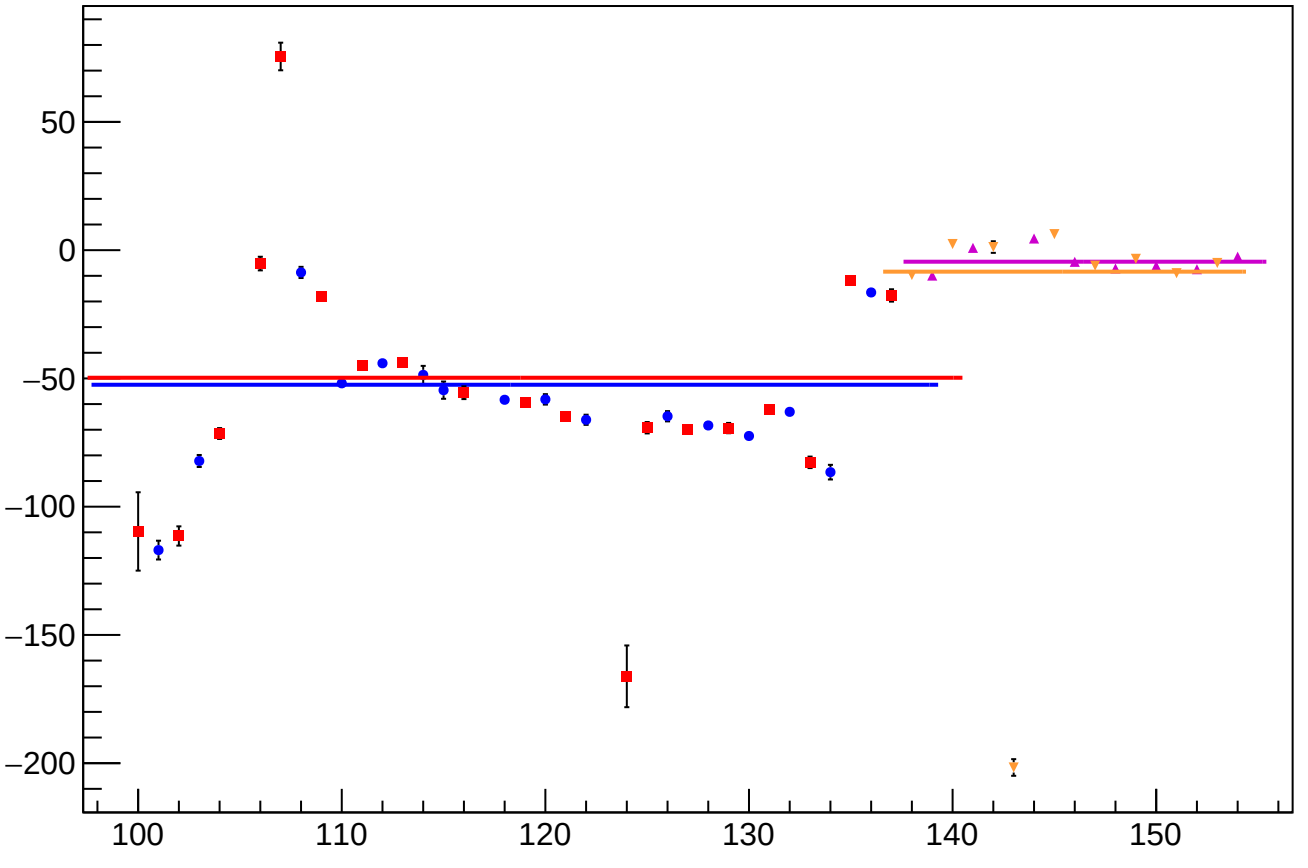
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 11.683+/-0.324 χ^2/NDF:5500.8/23

Out: 12.433+/-0.322 χ^2/NDF:7373.2/27

All: 12.060+/-0.229 χ^2/NDF: 12876.7/51


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.677+/-0.339 χ²/NDF:107.8/8
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.000+/-0.338 χ²/NDF:42.3/7
Left: -0.337+/-0.239 χ²/NDF: 152.0/16
Right: 3.114+/-0.317 χ²/NDF: 432.2/34
In: 1.073+/-0.269 χ²/NDF:319.6/23
Out: 0.760+/-0.272 χ²/NDF:339.5/27
All: 0.918+/-0.191 χ²/NDF: 659.7/51



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: -4.499+/-0.489 χ^2/NDF:77.6/7

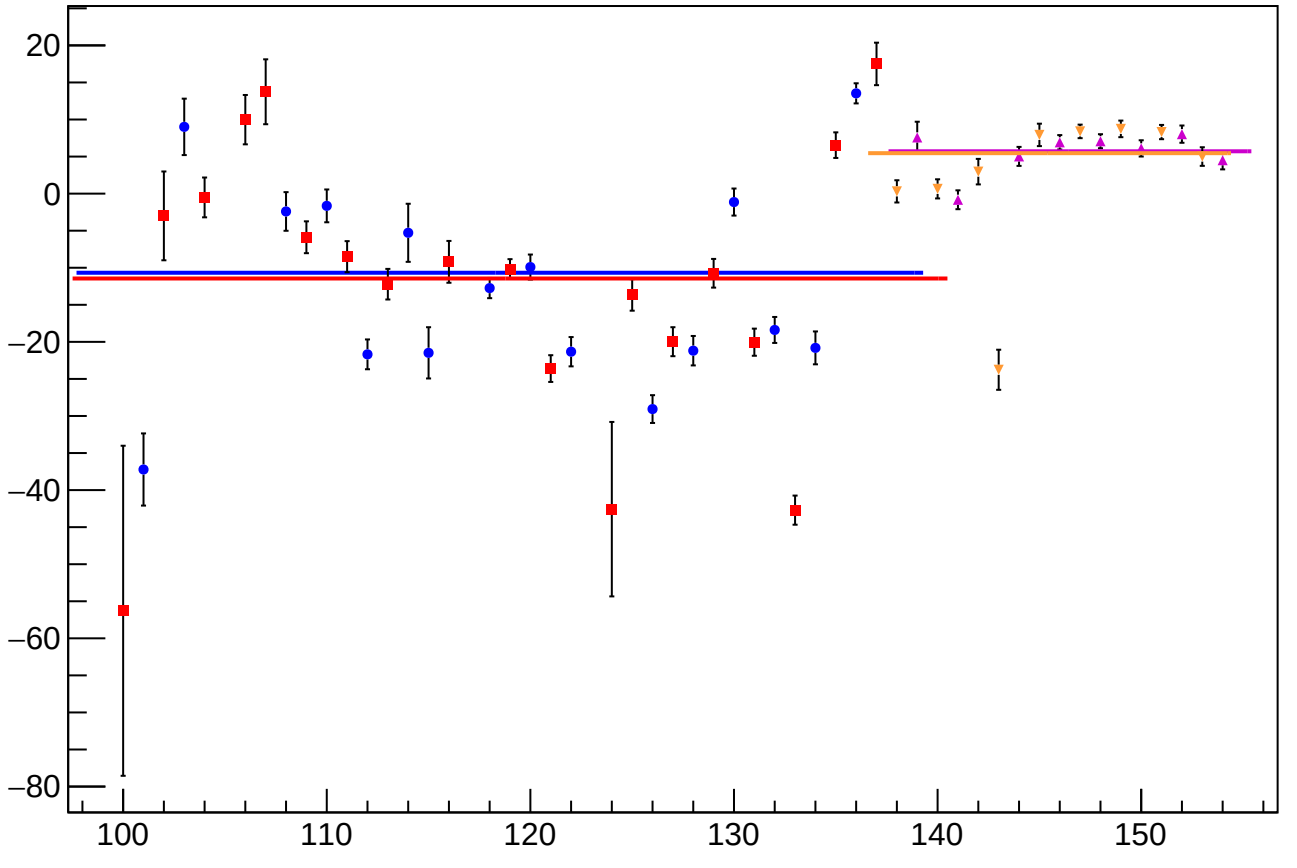
Left: -6.378+/-0.352 χ^2/NDF: 3850.3/16

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -28.566+/-0.346 χ^2/NDF:7226.3/23

Out: -29.514+/-0.353 χ^2/NDF:10177.9/27

All: -29.030+/-0.247 χ^2/NDF: 17407.9/51



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: 5.713+/-0.414 χ^2/NDF:36.1/7

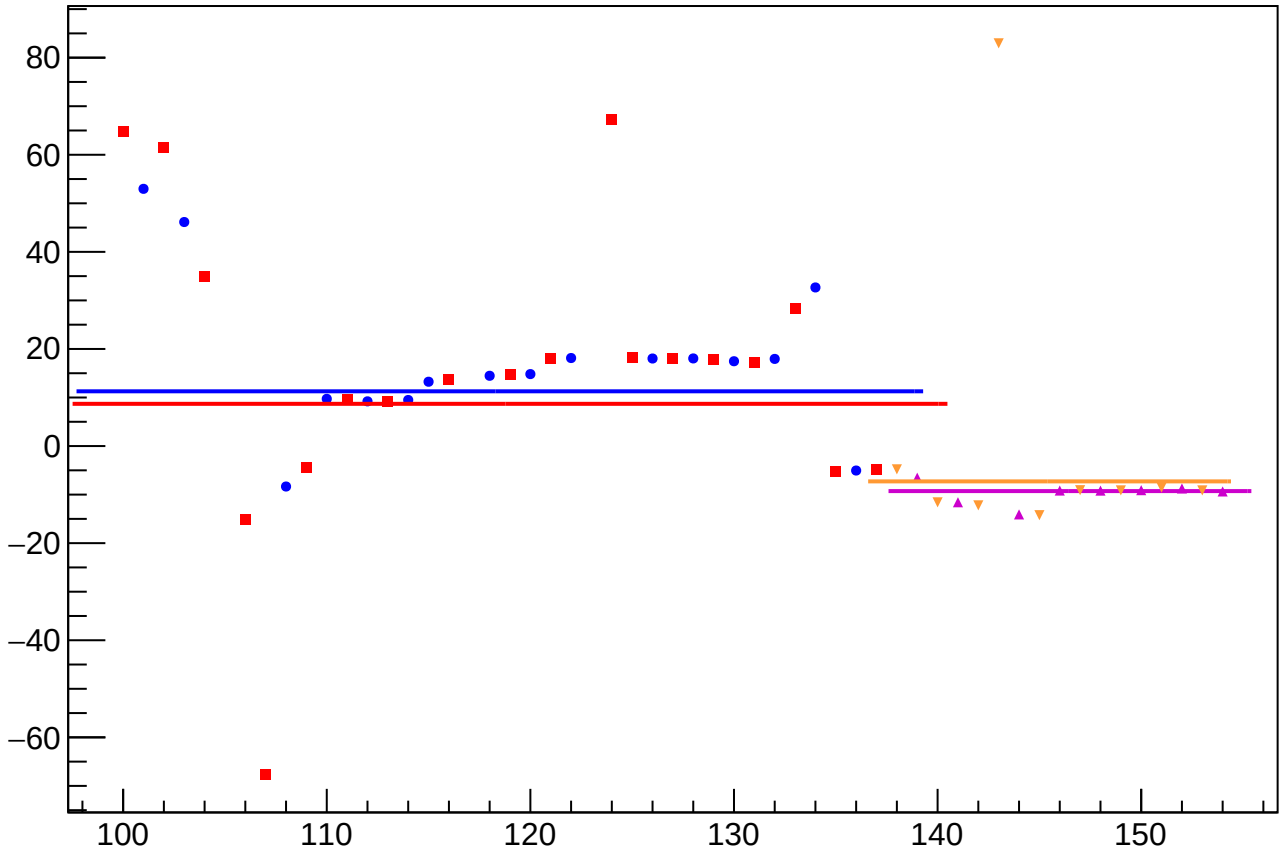
Left: 5.587+/-0.295 χ^2/NDF: 211.2/16

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.867+/-0.320 χ^2/NDF:1331.6/23

Out: -1.279+/-0.326 χ^2/NDF:1486.5/27

All: -1.070+/-0.228 χ^2/NDF: 2818.8/51



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: -9.276+/-0.019 χ^2/NDF:10203.3/7

Left: -8.344+/-0.014 χ^2/NDF: 488317.7/16

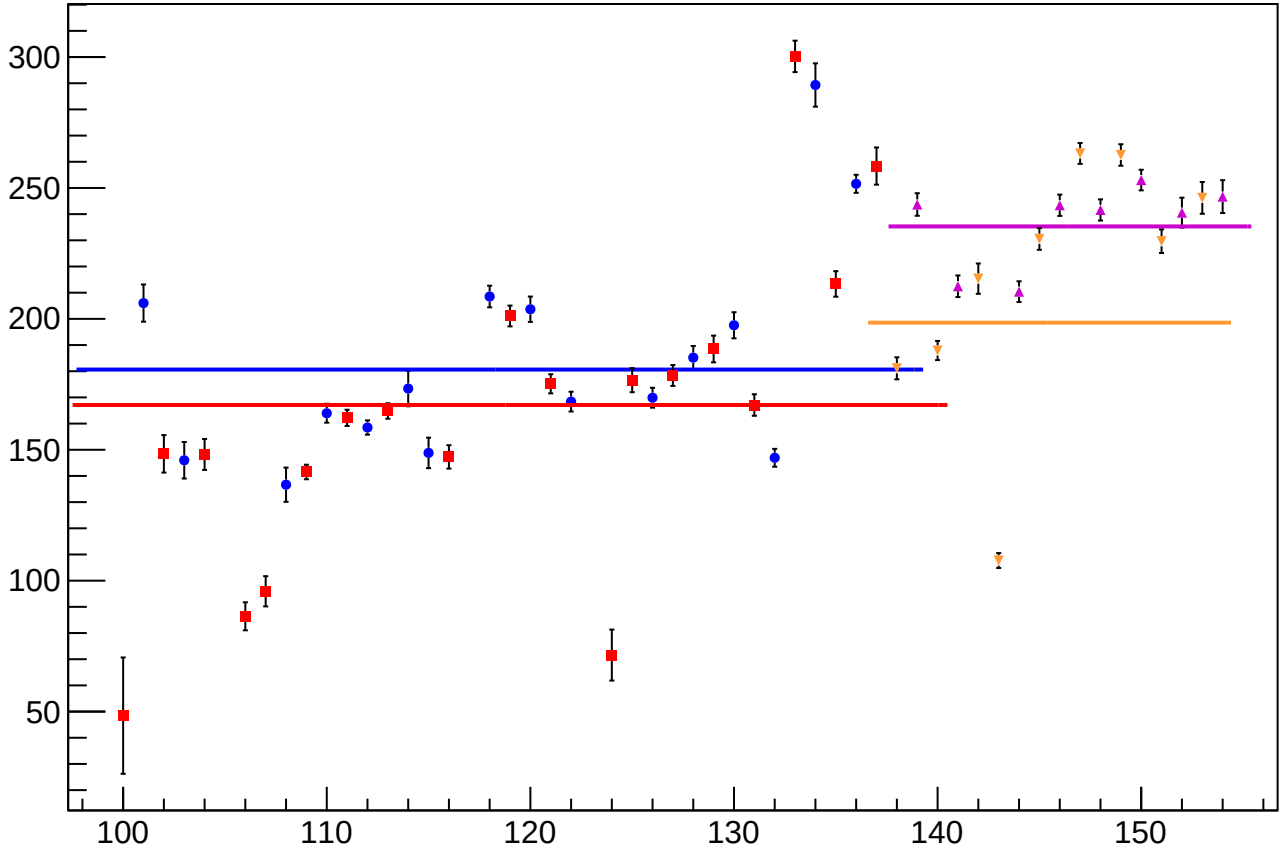
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.370+/-0.016 χ^2/NDF:695777.8/23

Out: -2.559+/-0.017 χ^2/NDF:1091248.6/27

All: -2.990+/-0.012 χ^2/NDF: 1788223.7/51

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: 235.304+/-1.546 χ^2/NDF:104.7/7

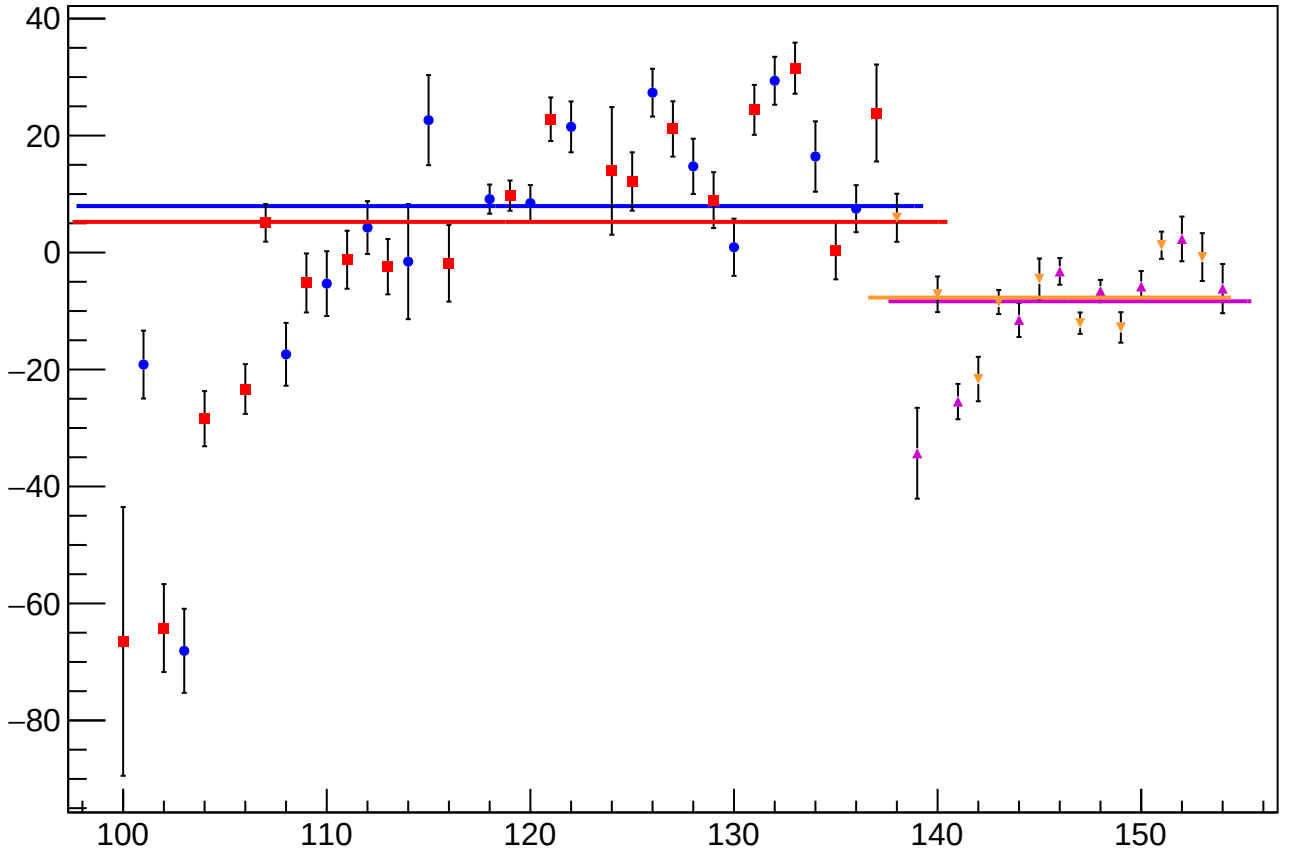
Left: 214.592+/-1.021 χ^2/NDF: 2153.6/16

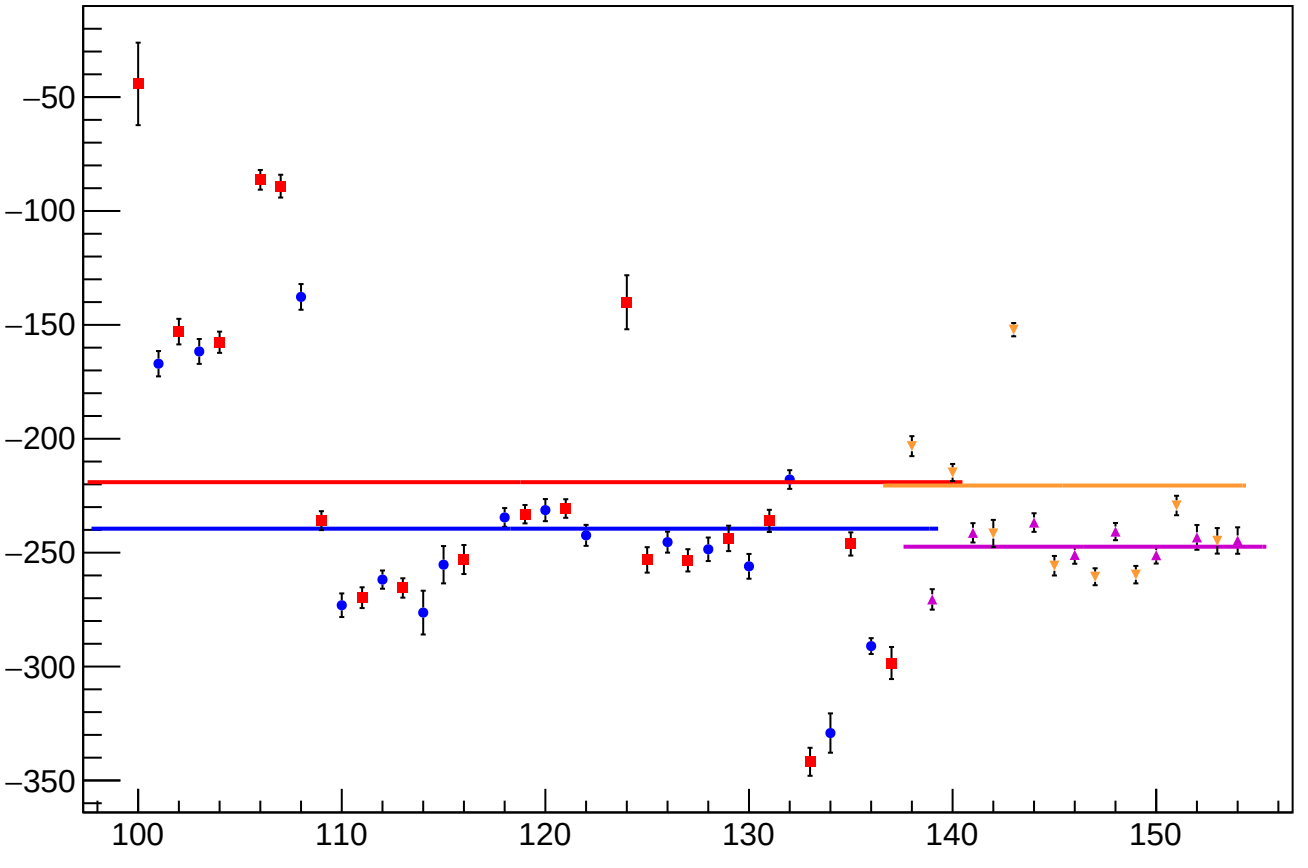
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.786+/-0.891 χ^2/NDF:1933.9/23

Out: 178.436+/-0.816 χ^2/NDF:3557.0/27

All: 187.729+/-0.602 χ^2/NDF: 5774.6/51


reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -7.695+/-0.896 χ²/NDF:52.7/8
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: -8.332+/-1.010 χ²/NDF:59.4/7
Left: -7.976+/-0.670 χ²/NDF: 112.3/16
Right: 6.530+/-0.768 χ²/NDF: 538.9/34
In: -0.983+/-0.748 χ²/NDF:409.6/23
Out: -2.313+/-0.685 χ²/NDF:442.3/27
All: -1.707+/-0.505 χ²/NDF: 853.6/51



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: -247.391+/-1.510 χ^2/NDF:41.1/7

Left: -232.464+/-1.006 χ^2/NDF: 1105.6/16

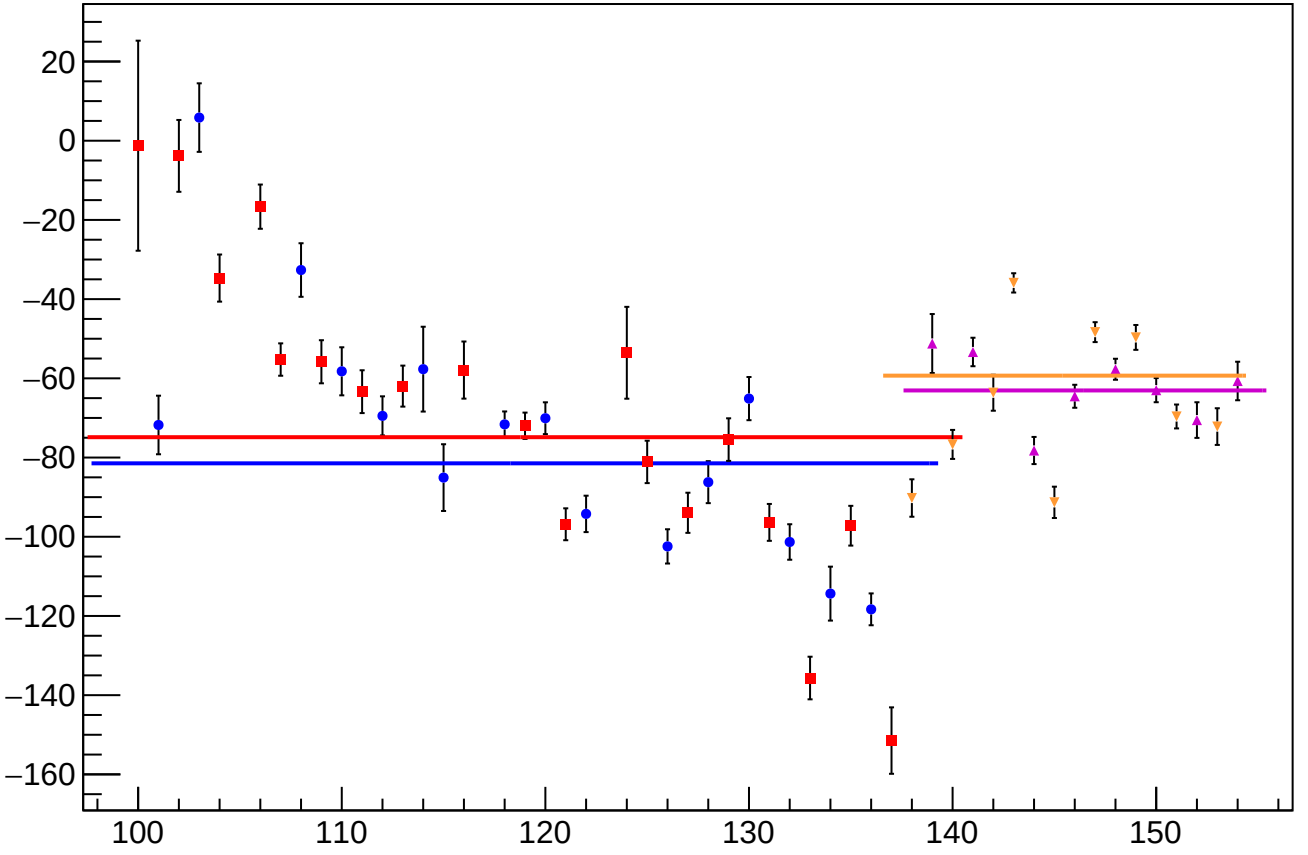
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.677+/-0.961 χ^2/NDF:1219.7/23

Out: -219.689+/-0.887 χ^2/NDF:3938.5/27

All: -230.266+/-0.652 χ^2/NDF: 5467.4/51

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: -63.057+/-1.249 χ^2/NDF:36.7/7

Left: -60.963+/-0.828 χ^2/NDF: 313.6/16

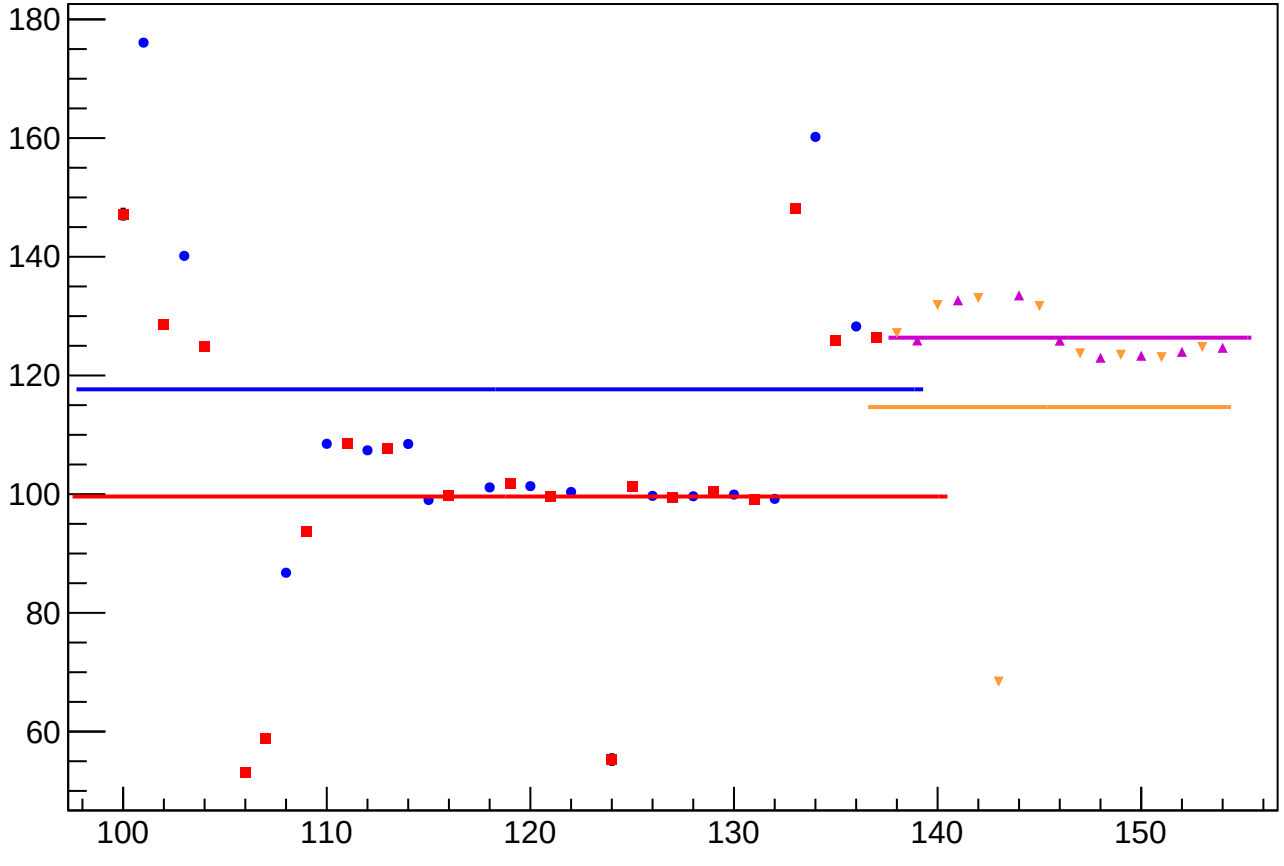
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -71.986+/-0.896 χ^2/NDF:508.5/23

Out: -66.273+/-0.823 χ^2/NDF:936.7/27

All: -68.886+/-0.606 χ^2/NDF: 1467.3/51

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 114.676+/-0.056 χ^2/NDF:186926.2/8

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.370+/-0.060 χ^2/NDF:3982.5/7

Left: 120.082+/-0.041 χ^2/NDF: 211294.9/16

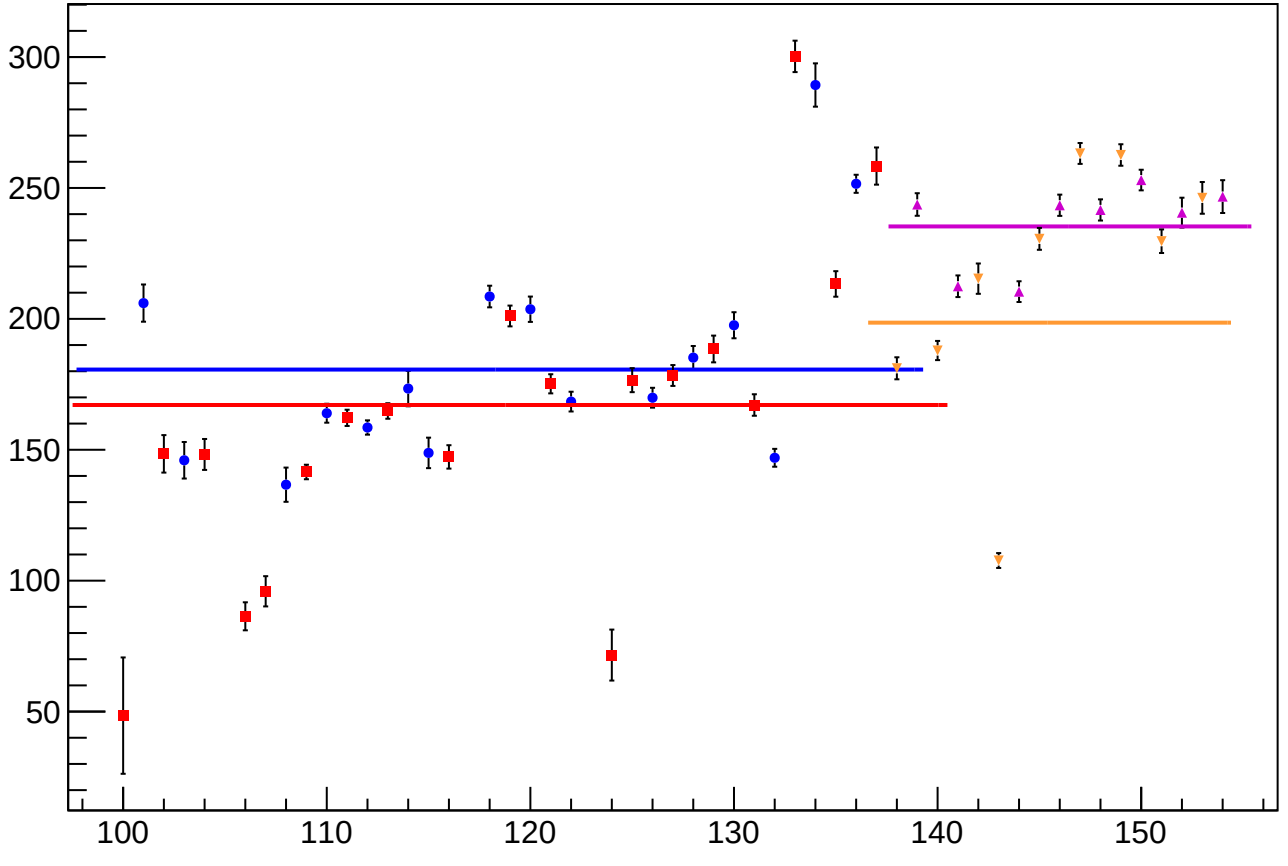
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.144+/-0.048 χ^2/NDF:107165.8/23

Out: 108.866+/-0.044 χ^2/NDF:381404.9/27

All: 115.381+/-0.032 χ^2/NDF: 537393.9/51

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: 235.304+/-1.546 χ^2/NDF:104.7/7

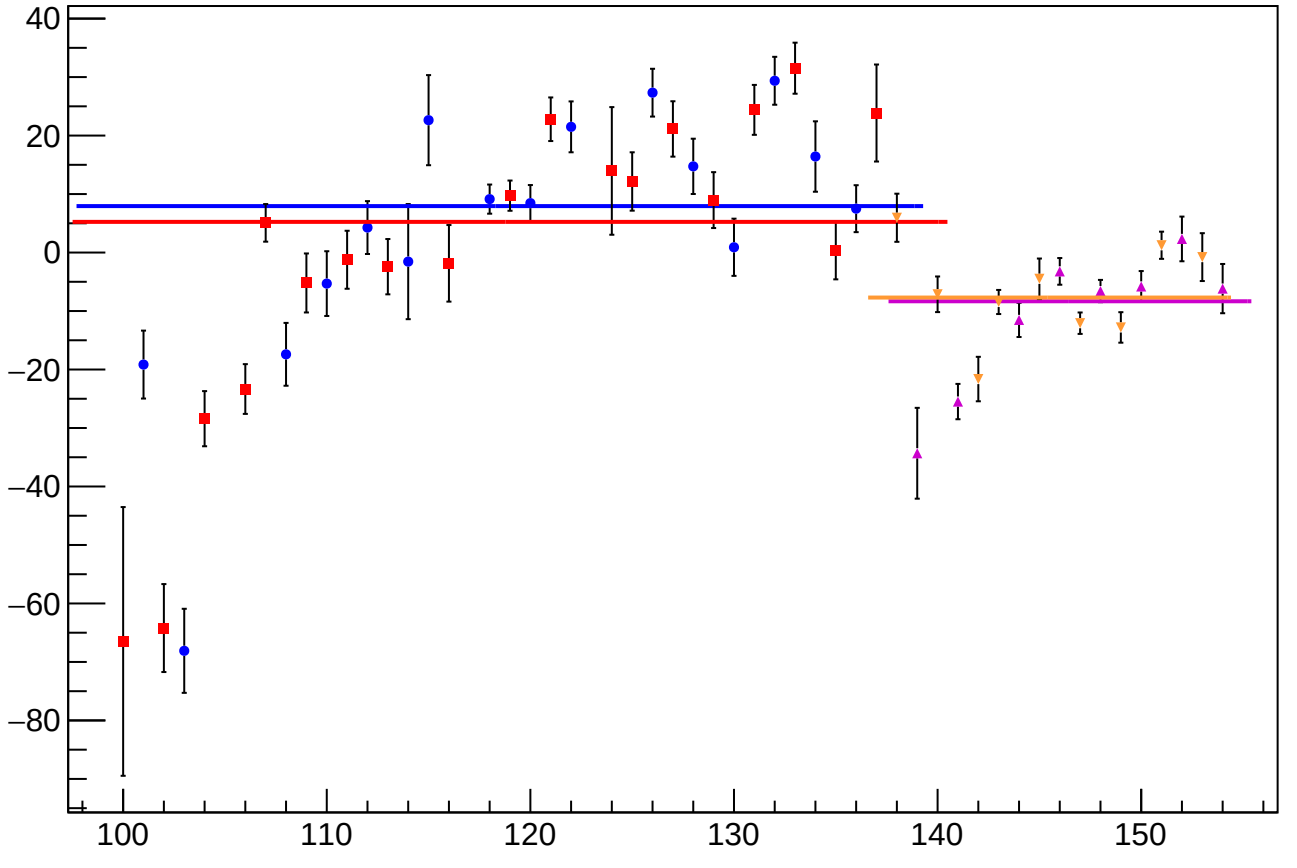
Left: 214.592+/-1.021 χ^2/NDF: 2153.6/16

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.786+/-0.891 χ^2/NDF:1933.9/23

Out: 178.436+/-0.816 χ^2/NDF:3557.0/27

All: 187.729+/-0.602 χ^2/NDF: 5774.6/51



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: -8.332+/-1.010 χ^2/NDF:59.4/7

Left: -7.976+/-0.670 χ^2/NDF: 112.3/16

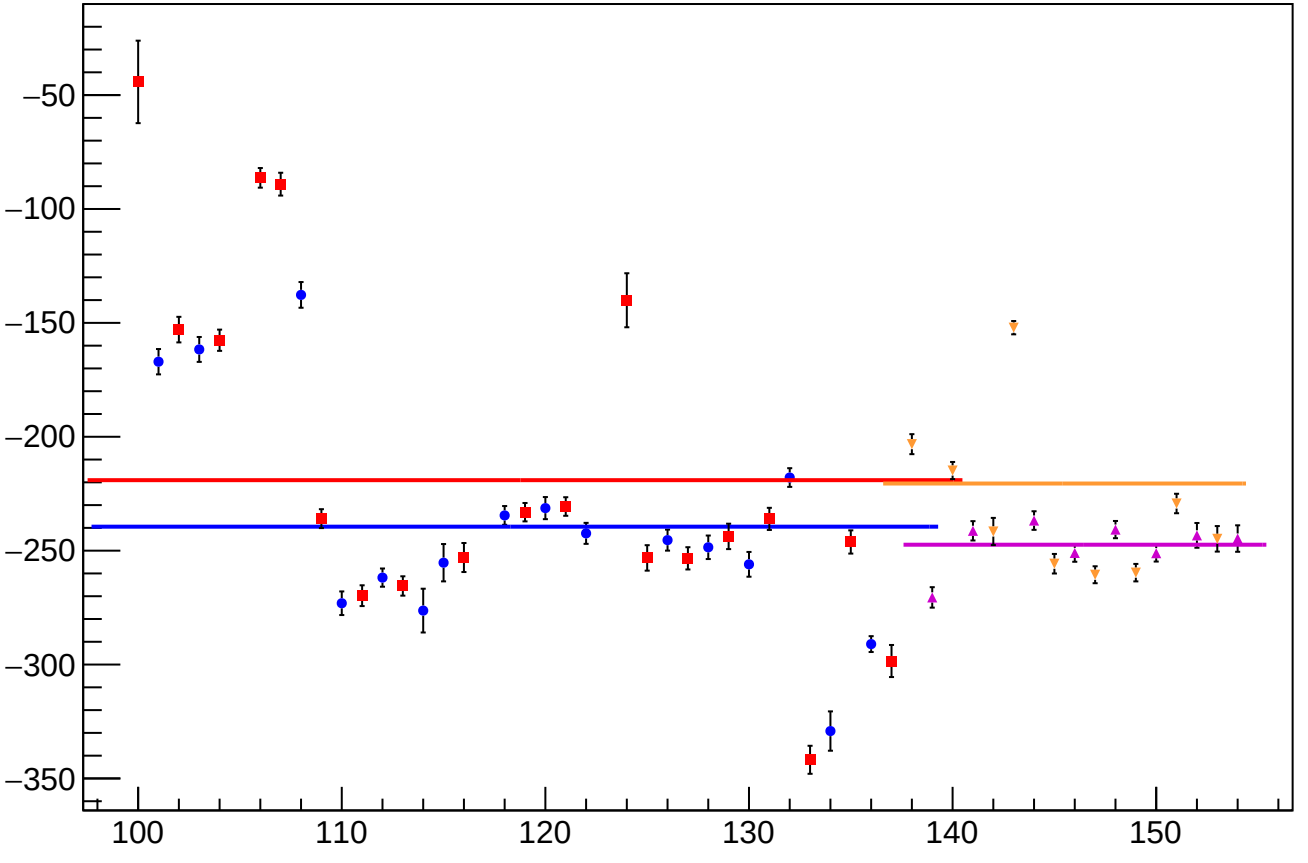
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.983+/-0.748 χ^2/NDF:409.6/23

Out: -2.313+/-0.685 χ^2/NDF:442.3/27

All: -1.707+/-0.505 χ^2/NDF: 853.6/51

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: -247.391+/-1.510 χ^2/NDF:41.1/7

Left: -232.464+/-1.006 χ^2/NDF: 1105.6/16

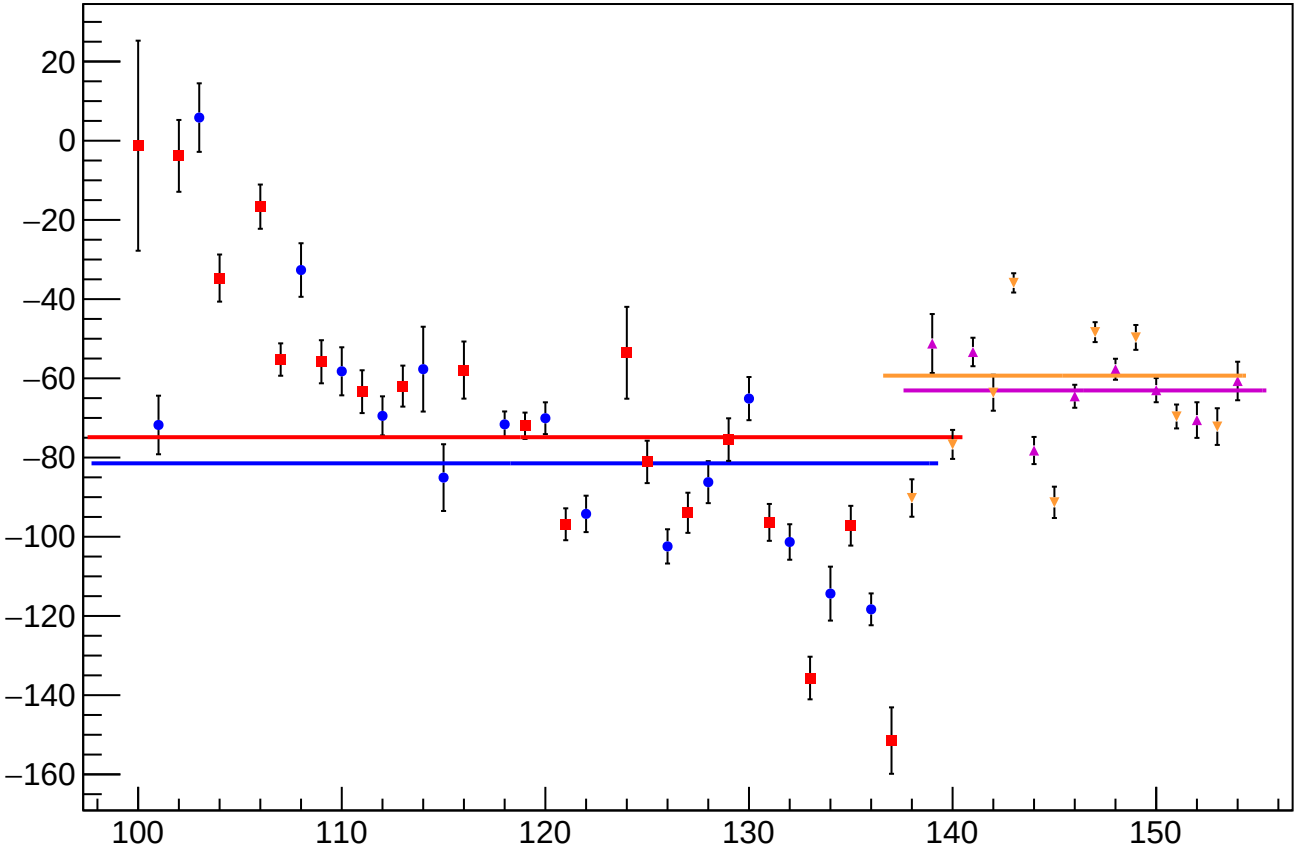
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.677+/-0.961 χ^2/NDF:1219.7/23

Out: -219.689+/-0.887 χ^2/NDF:3938.5/27

All: -230.266+/-0.652 χ^2/NDF: 5467.4/51

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: -63.057+/-1.249 χ^2/NDF:36.7/7

Left: -60.963+/-0.828 χ^2/NDF: 313.6/16

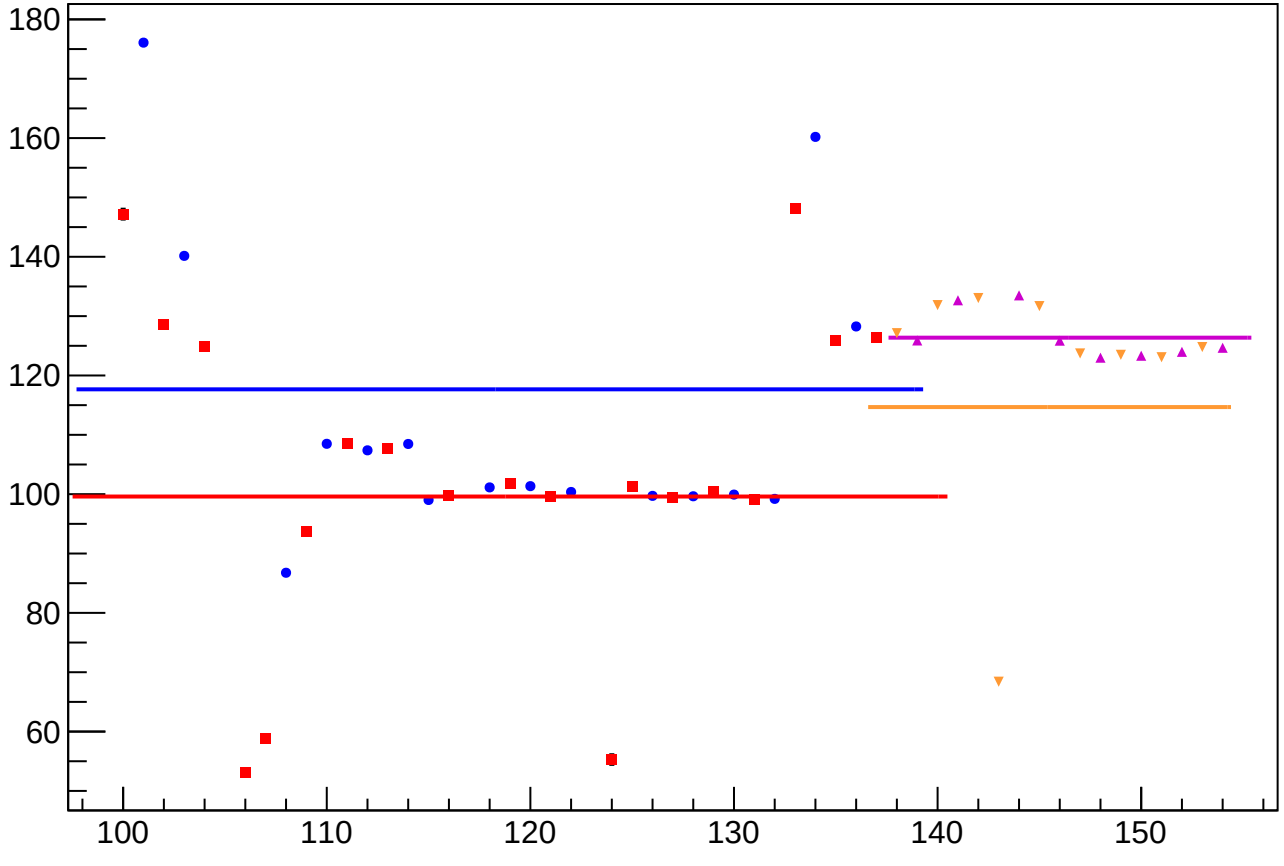
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -71.986+/-0.896 χ^2/NDF:508.5/23

Out: -66.273+/-0.823 χ^2/NDF:936.7/27

All: -68.886+/-0.606 χ^2/NDF: 1467.3/51

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: 126.370+/-0.060 χ^2/NDF:3982.5/7

Left: 120.082+/-0.041 χ^2/NDF: 211294.9/16

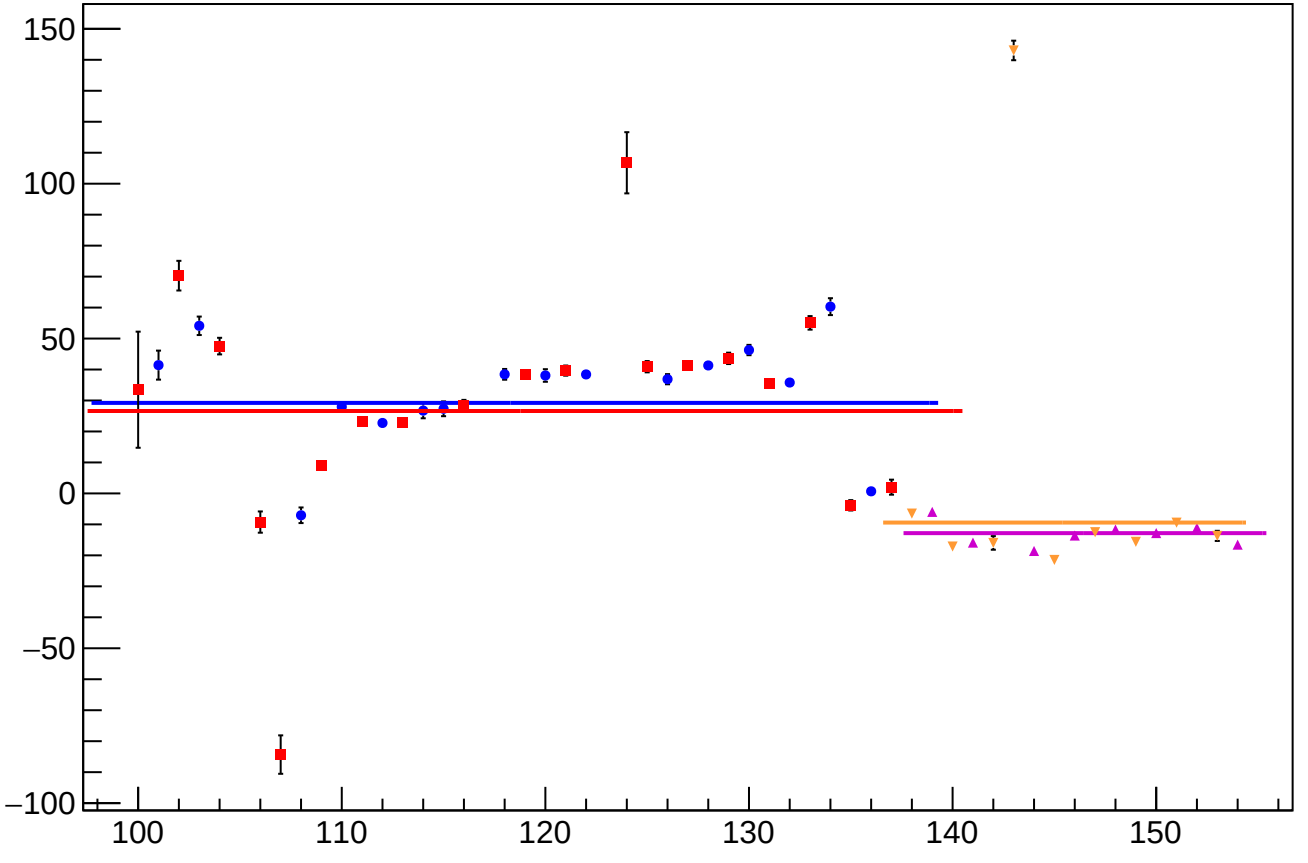
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.144+/-0.048 χ^2/NDF:107165.8/23

Out: 108.866+/-0.044 χ^2/NDF:381404.9/27

All: 115.381+/-0.032 χ^2/NDF: 537393.9/51

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: -12.827+/-0.501 χ^2/NDF:58.7/7

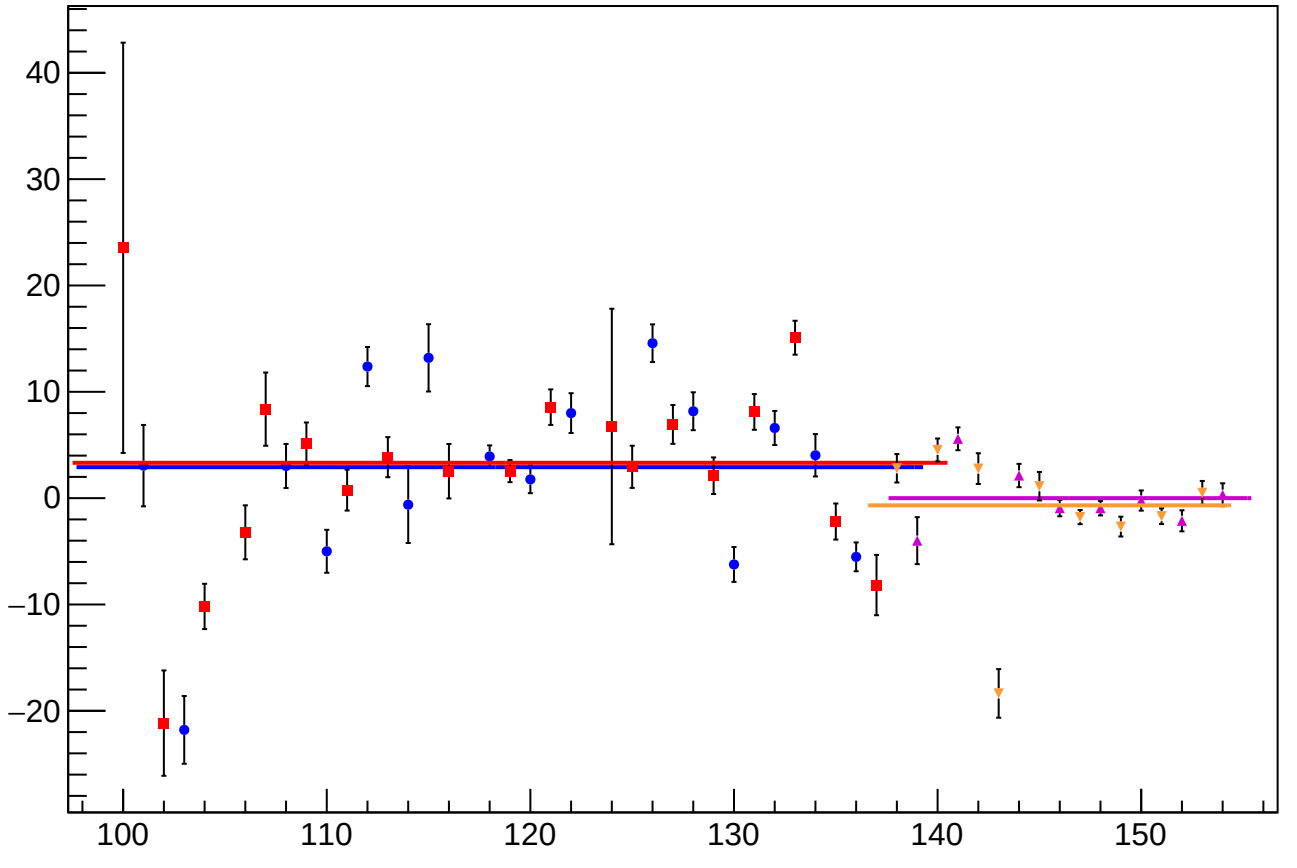
Left: -11.161+/-0.359 χ^2/NDF: 2556.0/16

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 11.683+/-0.324 χ^2/NDF:5500.8/23

Out: 12.433+/-0.322 χ^2/NDF:7373.2/27

All: 12.060+/-0.229 χ^2/NDF: 12876.7/51



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: 0.000+/-0.338 χ^2/NDF:42.3/7

Left: -0.337+/-0.239 χ^2/NDF: 152.0/16

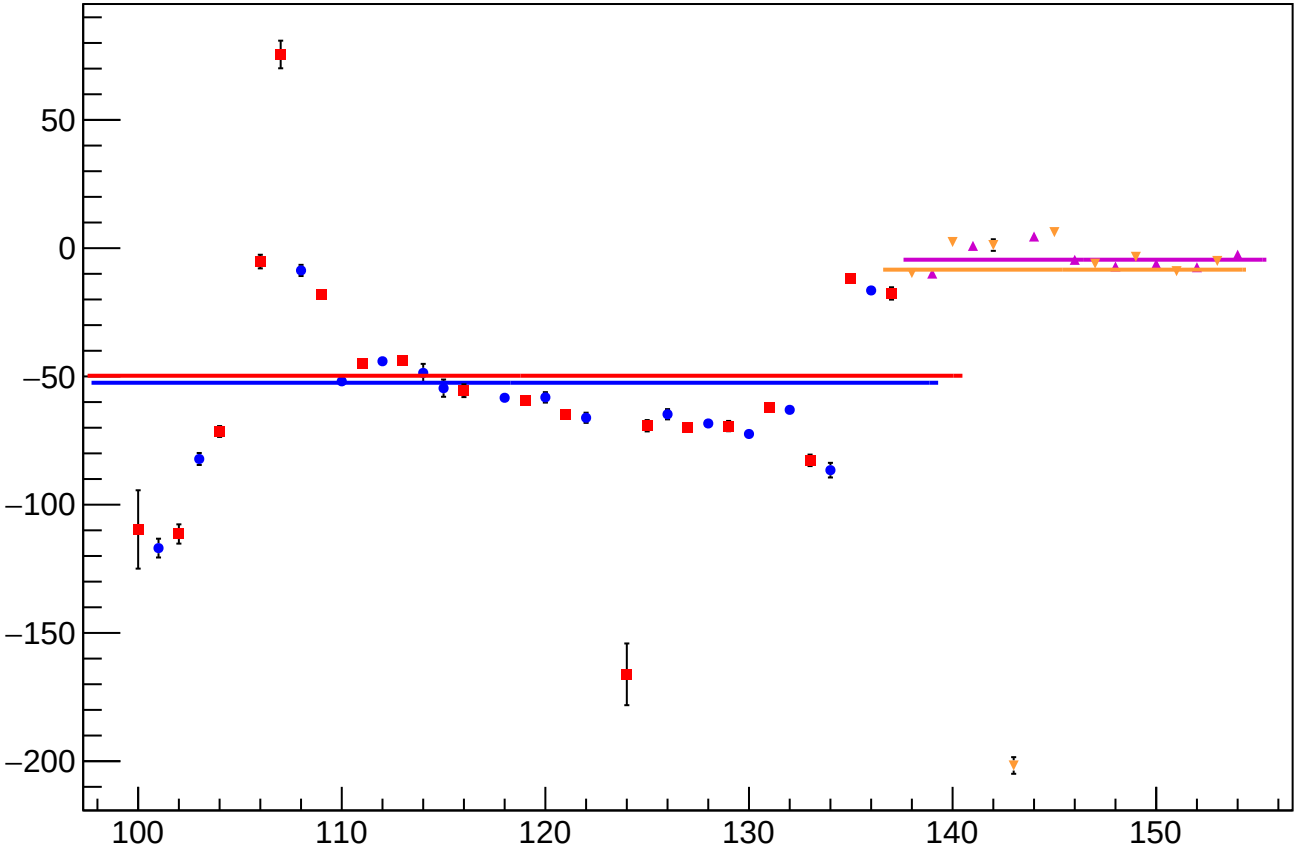
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.073+/-0.269 χ^2/NDF:319.6/23

Out: 0.760+/-0.272 χ^2/NDF:339.5/27

All: 0.918+/-0.191 χ^2/NDF: 659.7/51

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -4.499+/-0.489 χ^2/NDF:77.6/7

Left: -6.378+/-0.352 χ^2/NDF: 3850.3/16

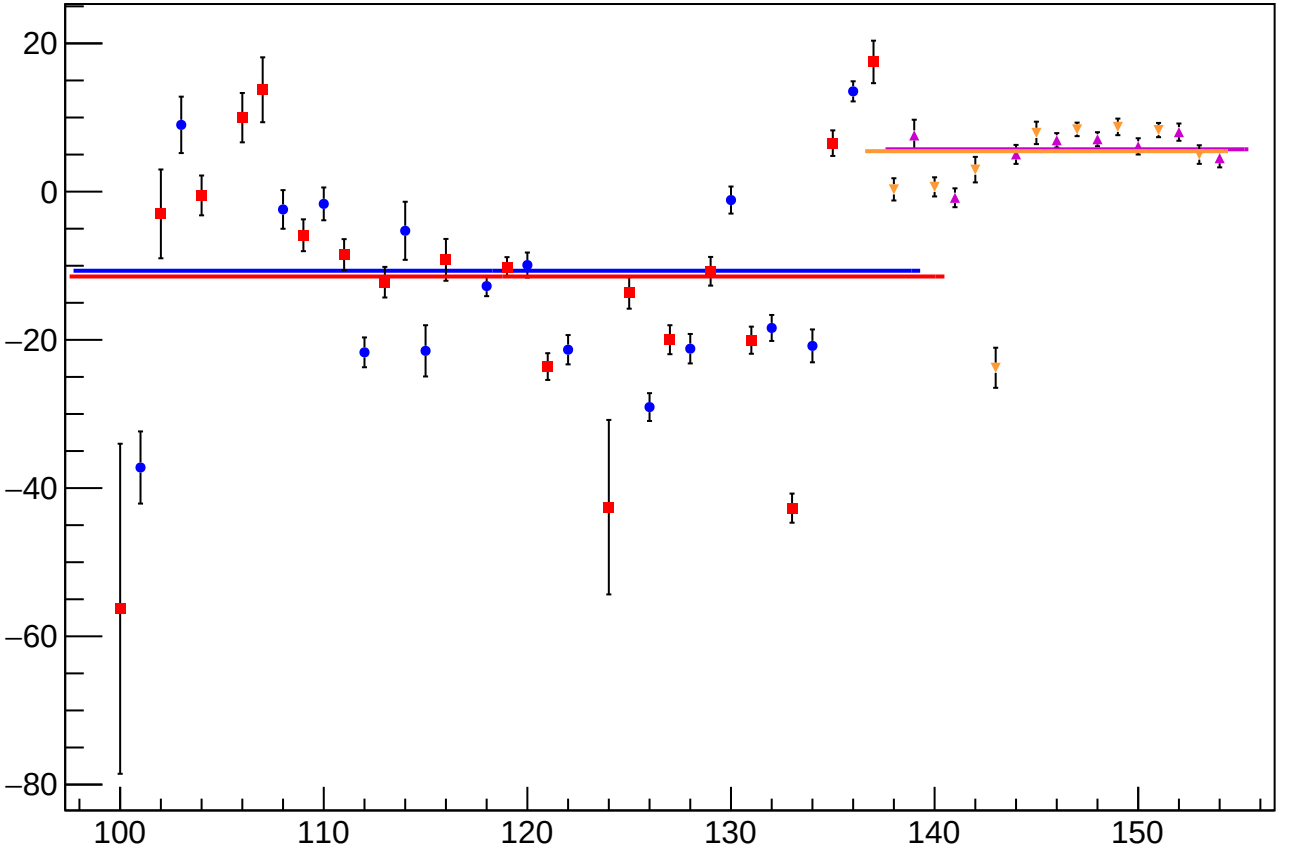
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -28.566+/-0.346 χ^2/NDF:7226.3/23

Out: -29.514+/-0.353 χ^2/NDF:10177.9/27

All: -29.030+/-0.247 χ^2/NDF: 17407.9/51

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: 5.713+/-0.414 χ^2/NDF:36.1/7

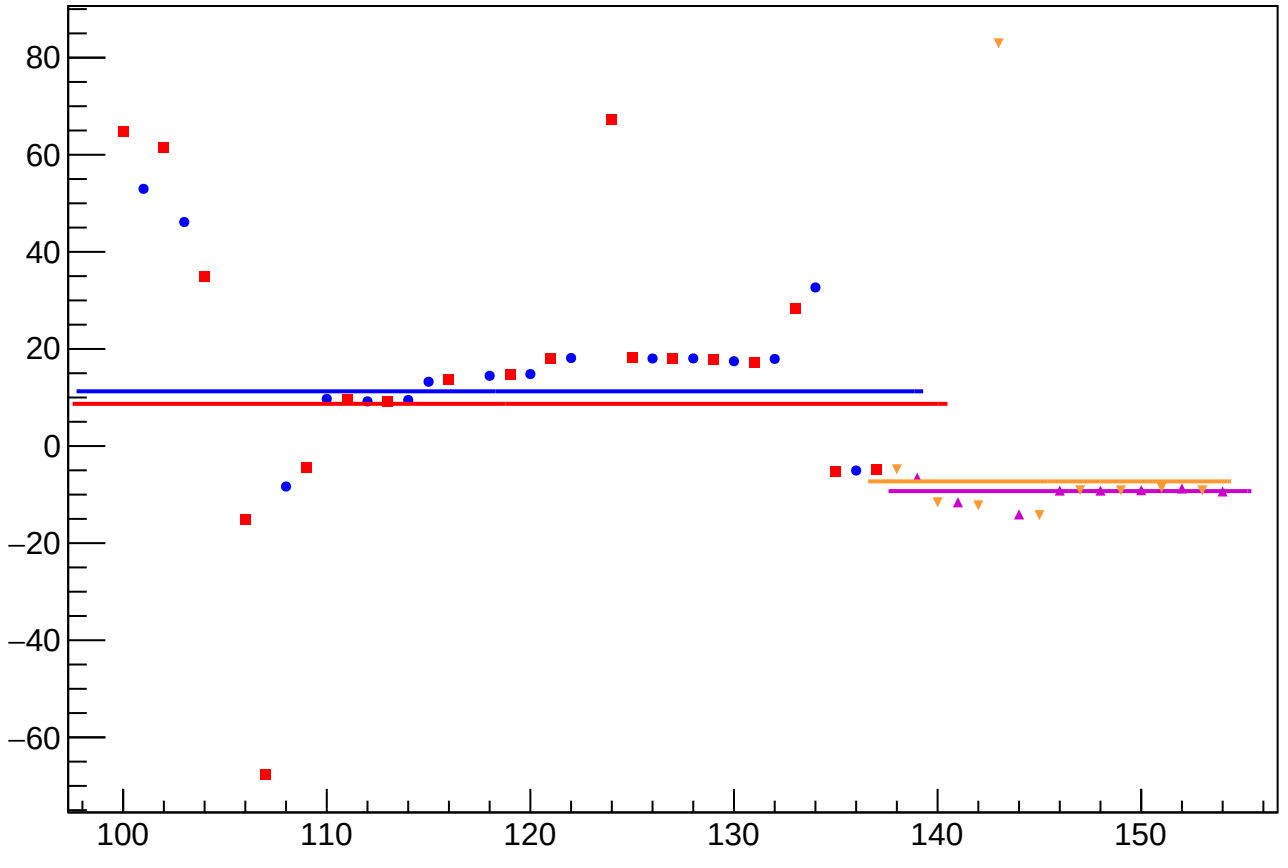
Left: 5.587+/-0.295 χ^2/NDF: 211.2/16

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.867+/-0.320 χ^2/NDF:1331.6/23

Out: -1.279+/-0.326 χ^2/NDF:1486.5/27

All: -1.070+/-0.228 χ^2/NDF: 2818.8/51



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: -9.276+/-0.019 χ^2/NDF:10203.3/7

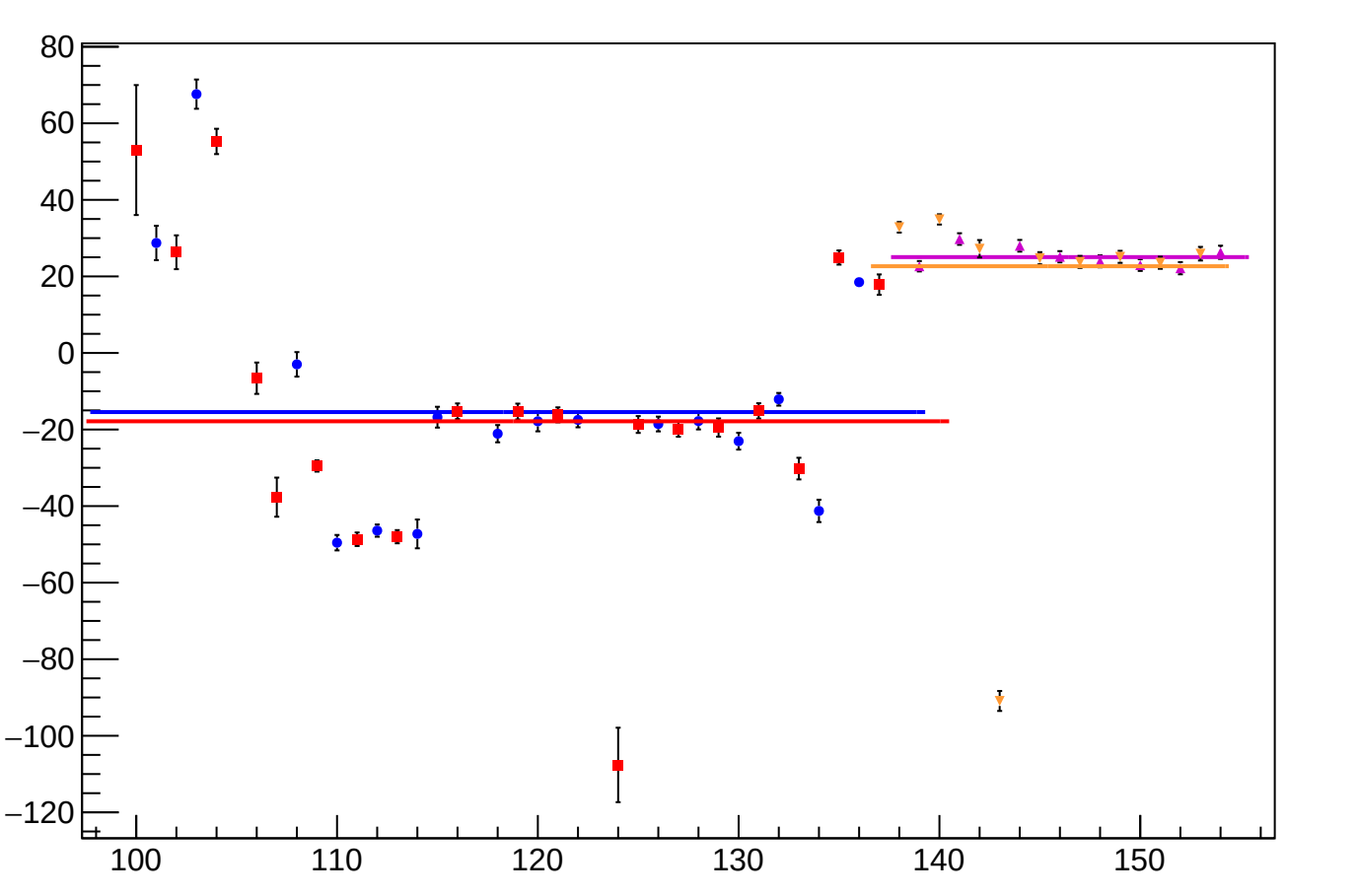
Left: -8.344+/-0.014 χ^2/NDF: 488317.7/16

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.370+/-0.016 χ^2/NDF:695777.8/23

Out: -2.559+/-0.017 χ^2/NDF:1091248.6/27

All: -2.990+/-0.012 χ^2/NDF: 1788223.7/51



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: 25.046+/-0.540 χ^2/NDF:22.7/7

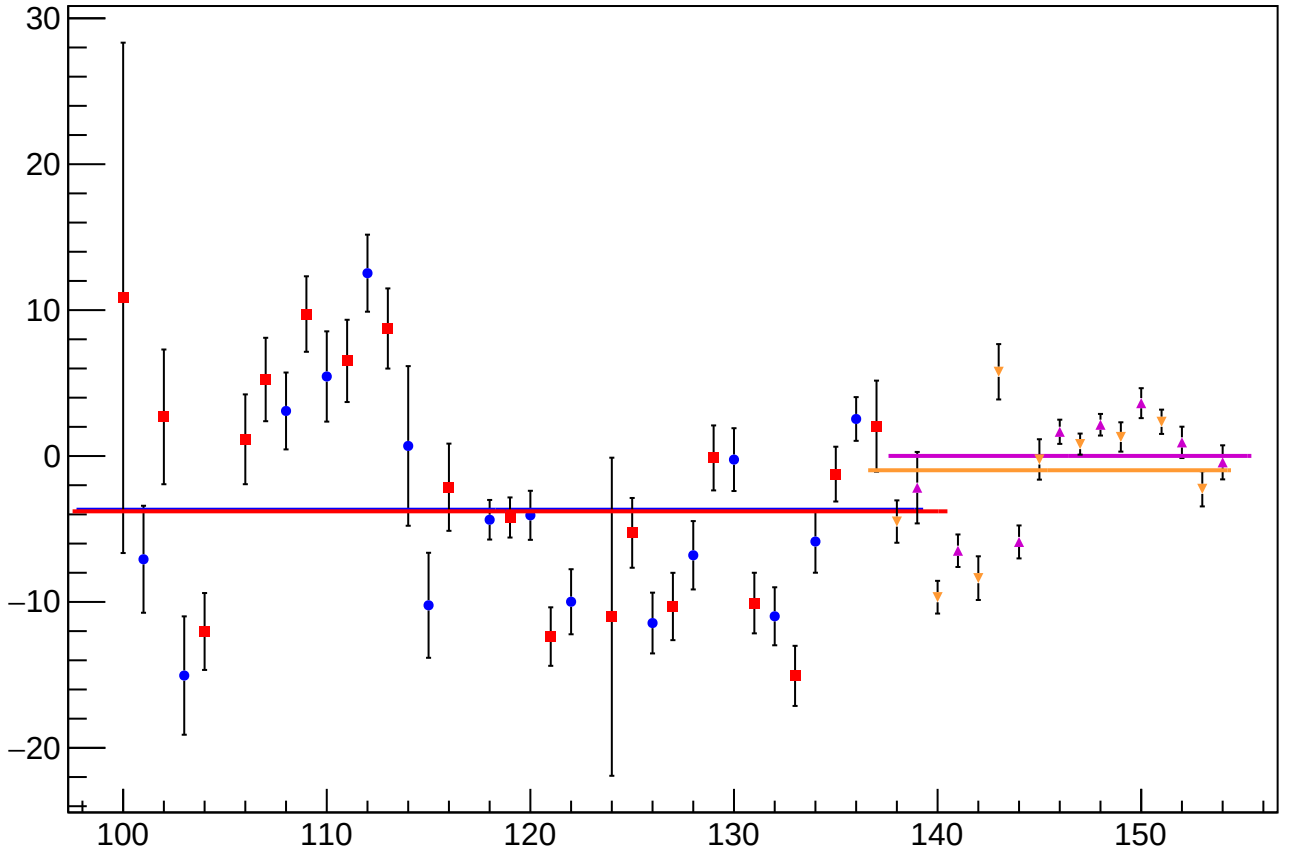
Left: 23.870+/-0.384 χ^2/NDF: 2071.7/16

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 4.774+/-0.381 χ^2/NDF:4962.9/23

Out: 1.727+/-0.381 χ^2/NDF:6991.3/27

All: 3.247+/-0.269 χ^2/NDF: 11986.2/51



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: 0.008+/-0.363 χ^2/NDF:87.6/7

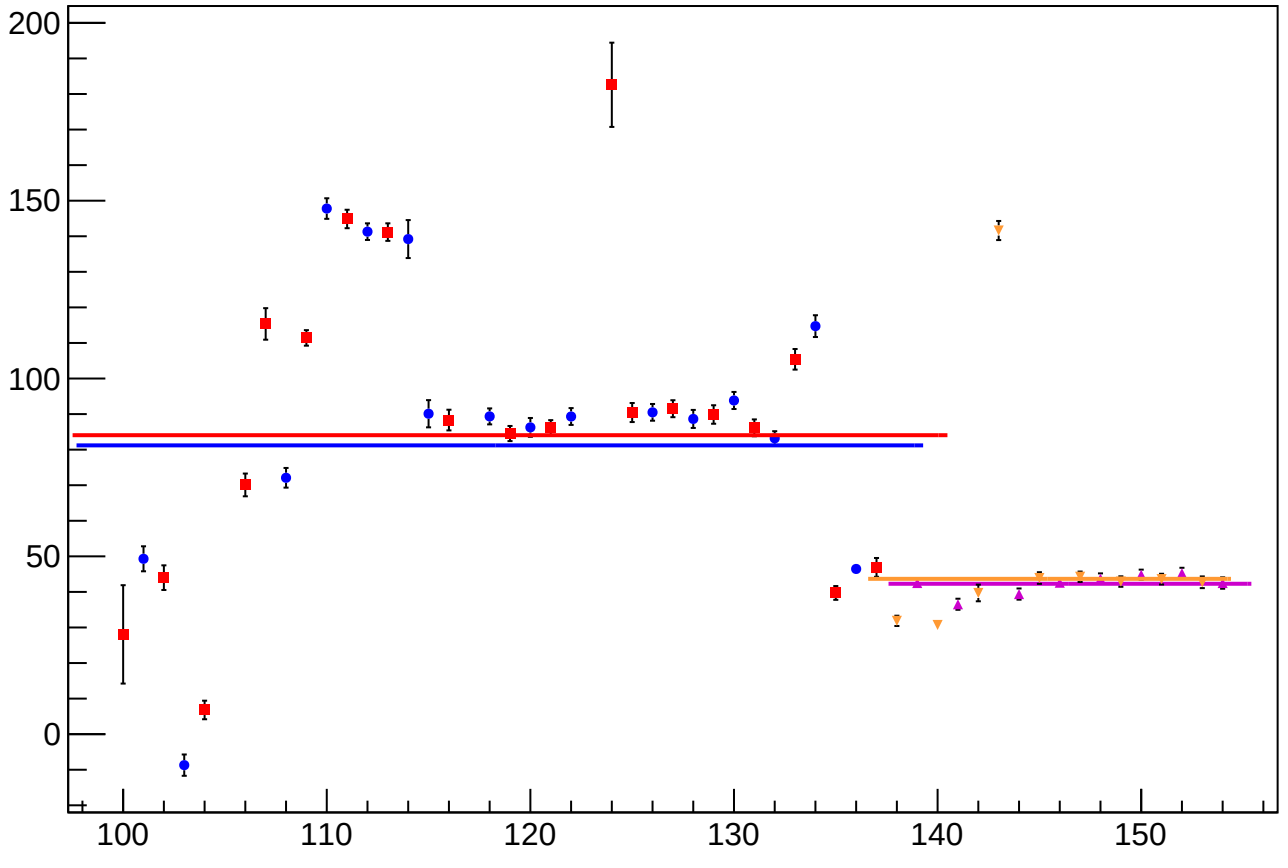
Left: -0.483+/-0.257 χ^2/NDF: 223.1/16

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.106+/-0.303 χ^2/NDF:242.8/23

Out: -1.803+/-0.306 χ^2/NDF:310.6/27

All: -1.452+/-0.215 χ^2/NDF: 556.0/51



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: 42.289+/-0.527 χ^2/NDF:25.2/7

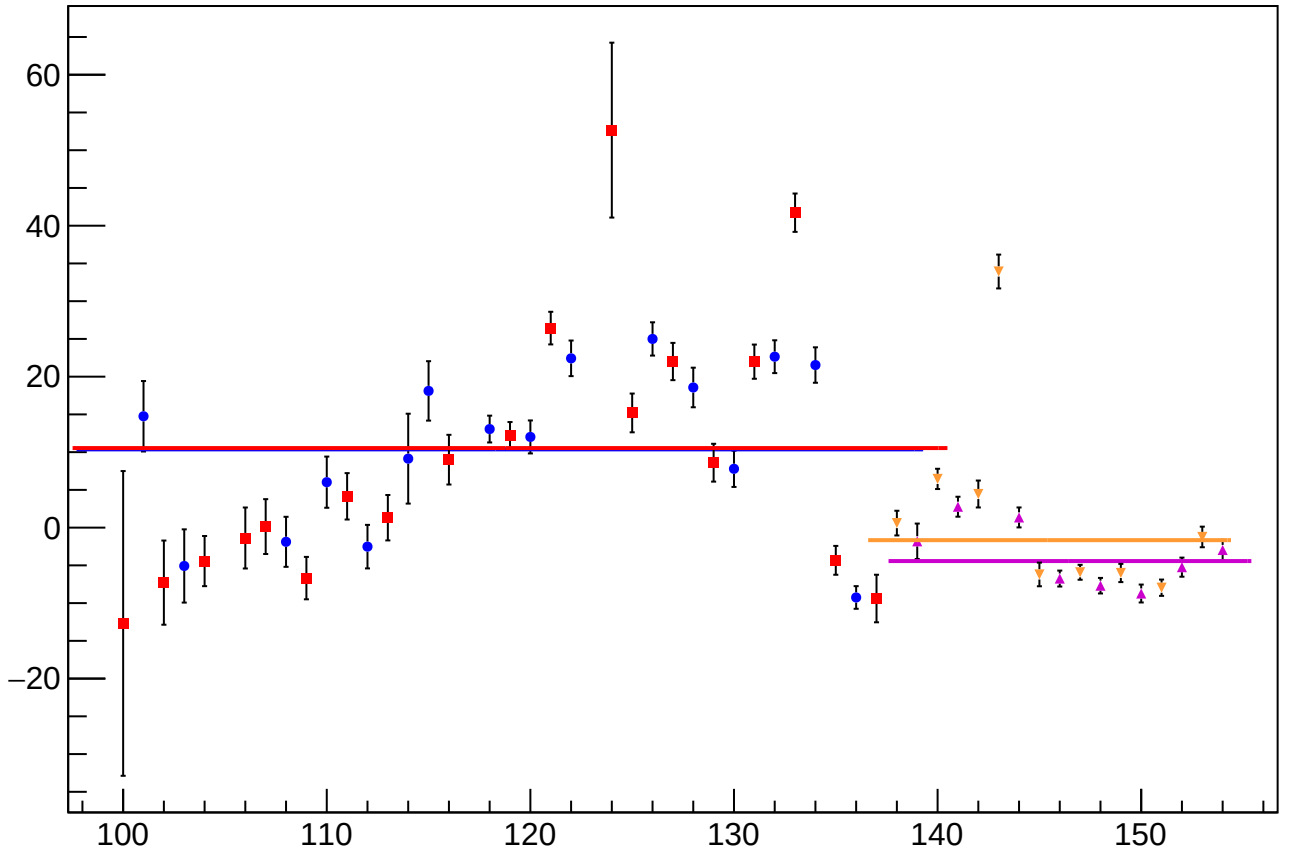
Left: 42.967+/-0.377 χ^2/NDF: 1516.2/16

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

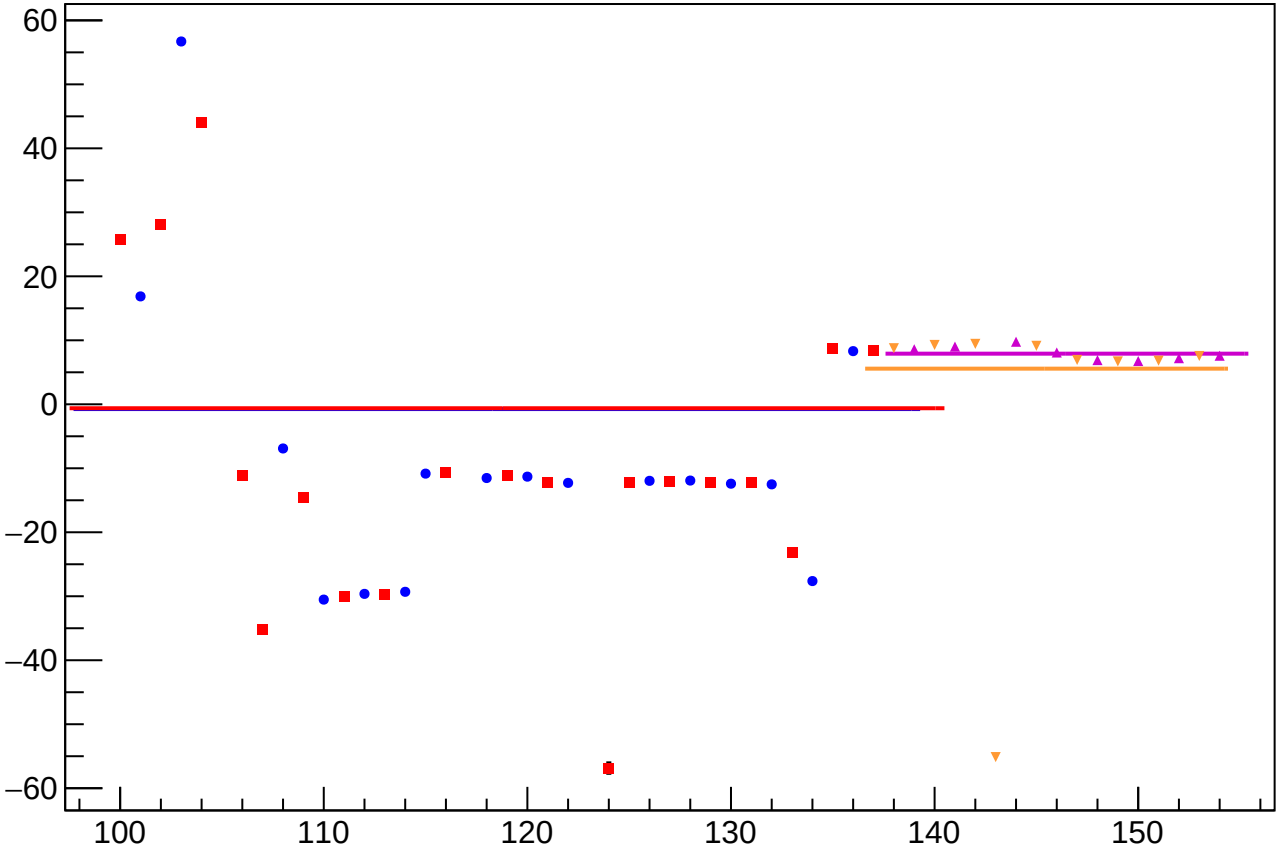
In: 59.023+/-0.398 χ^2/NDF:5597.8/23

Out: 61.190+/-0.406 χ^2/NDF:7126.9/27

All: 60.085+/-0.284 χ^2/NDF: 12739.2/51


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.660+/-0.449 χ²/NDF:376.4/8
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -4.430+/-0.445 χ²/NDF:79.6/7
Left: -3.059+/-0.316 χ²/NDF: 475.2/16
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.530+/-0.363 χ²/NDF:810.2/23
Out: 2.366+/-0.368 χ²/NDF:1090.4/27
All: 1.436+/-0.258 χ²/NDF: 1913.2/51

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: 7.911+/-0.021 χ^2/NDF:2091.0/7

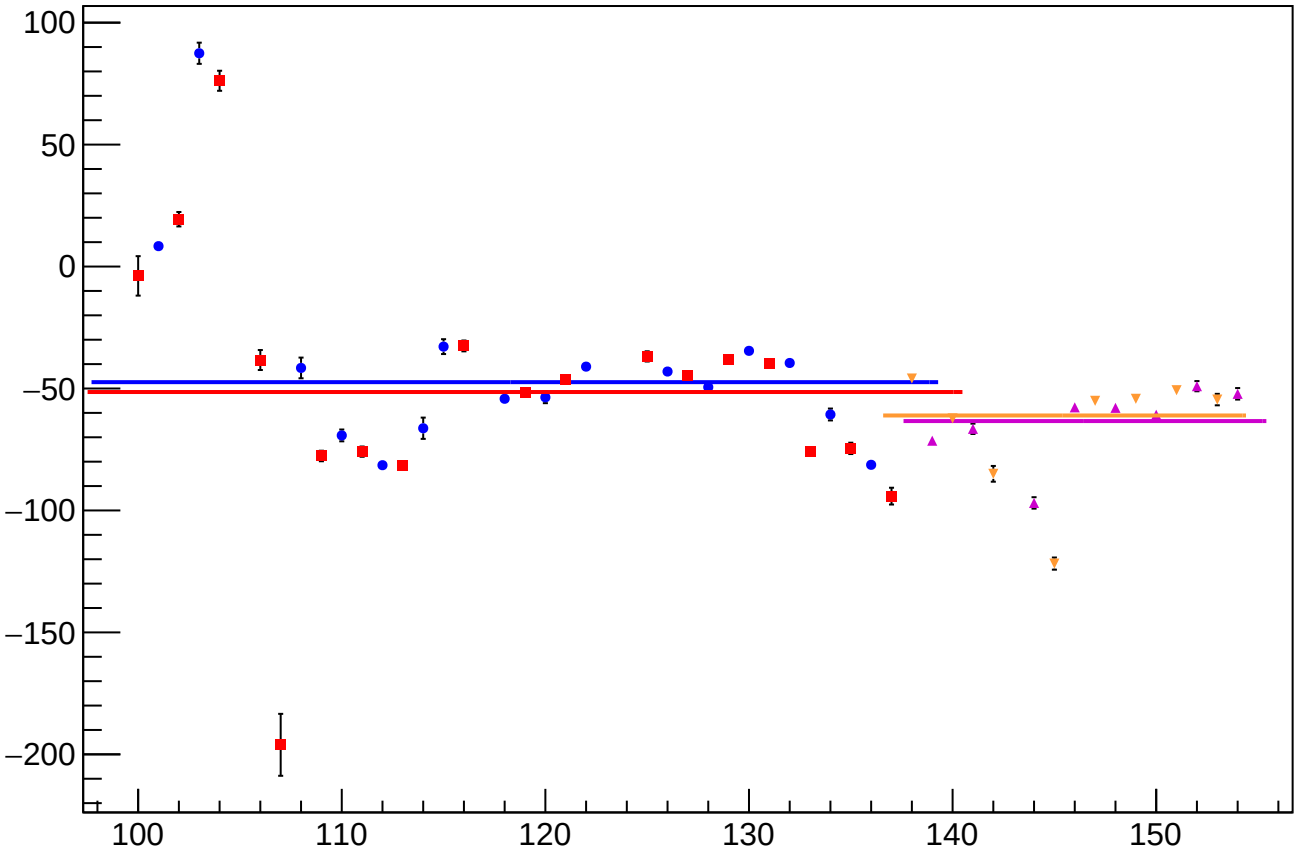
Left: 6.809+/-0.015 χ^2/NDF: 317270.4/16

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.777+/-0.018 χ^2/NDF:413937.3/23

Out: 3.999+/-0.019 χ^2/NDF:646044.3/27

All: 4.936+/-0.013 χ^2/NDF: 1064692.0/51



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -61.061+/-0.731 χ^2/NDF:781.4/7

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -63.353+/-0.707 χ^2/NDF:316.5/7

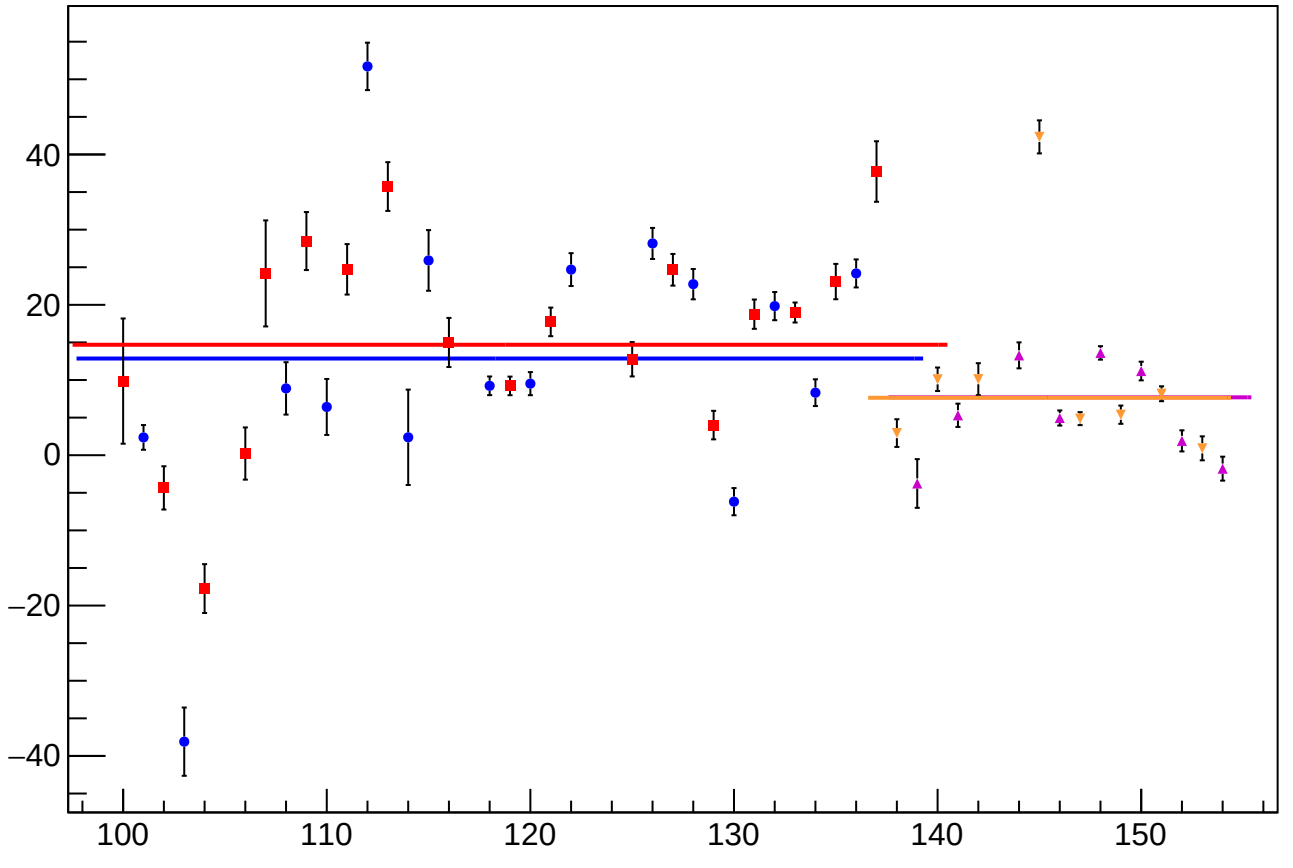
Left: -62.245+/-0.508 χ^2/NDF: 1102.9/15

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -53.208+/-0.427 χ^2/NDF:3409.3/23

Out: -54.881+/-0.437 χ^2/NDF:3765.4/25

All: -54.025+/-0.305 χ^2/NDF: 7182.1/49



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: 7.699+/-0.465 χ^2/NDF:136.7/7

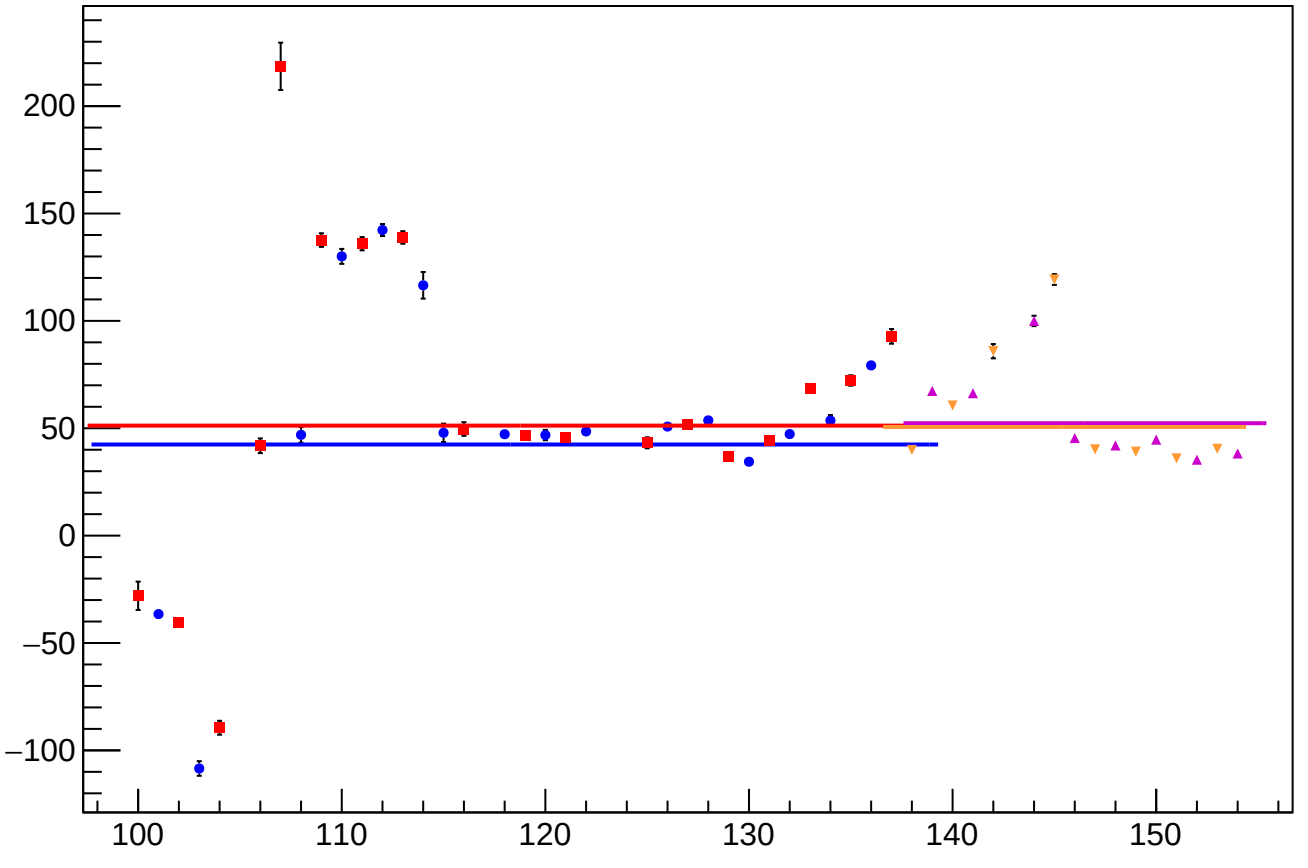
Left: 7.670+/-0.330 χ^2/NDF: 427.8/15

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 9.996+/-0.346 χ^2/NDF:817.1/23

Out: 10.641+/-0.355 χ^2/NDF:751.6/25

All: 10.310+/-0.248 χ^2/NDF: 1570.4/49



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: 52.354+/-0.687 χ^2/NDF:678.6/7

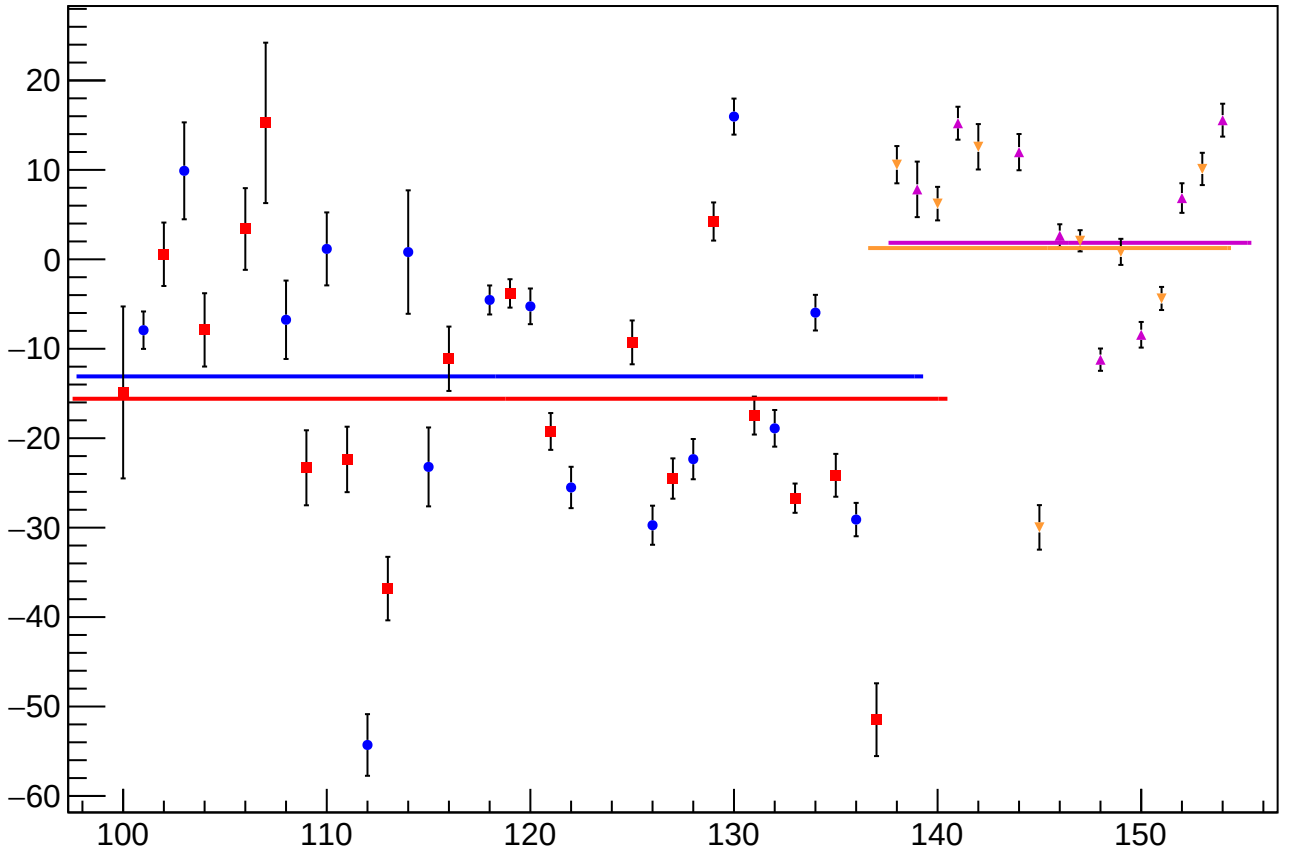
Left: 51.510+/-0.495 χ^2/NDF: 1761.4/15

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 46.596+/-0.445 χ^2/NDF:7968.3/23

Out: 50.959+/-0.466 χ^2/NDF:7691.3/25

All: 48.679+/-0.322 χ^2/NDF: 15705.5/49



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: 1.847+/-0.573 χ^2/NDF:307.8/7

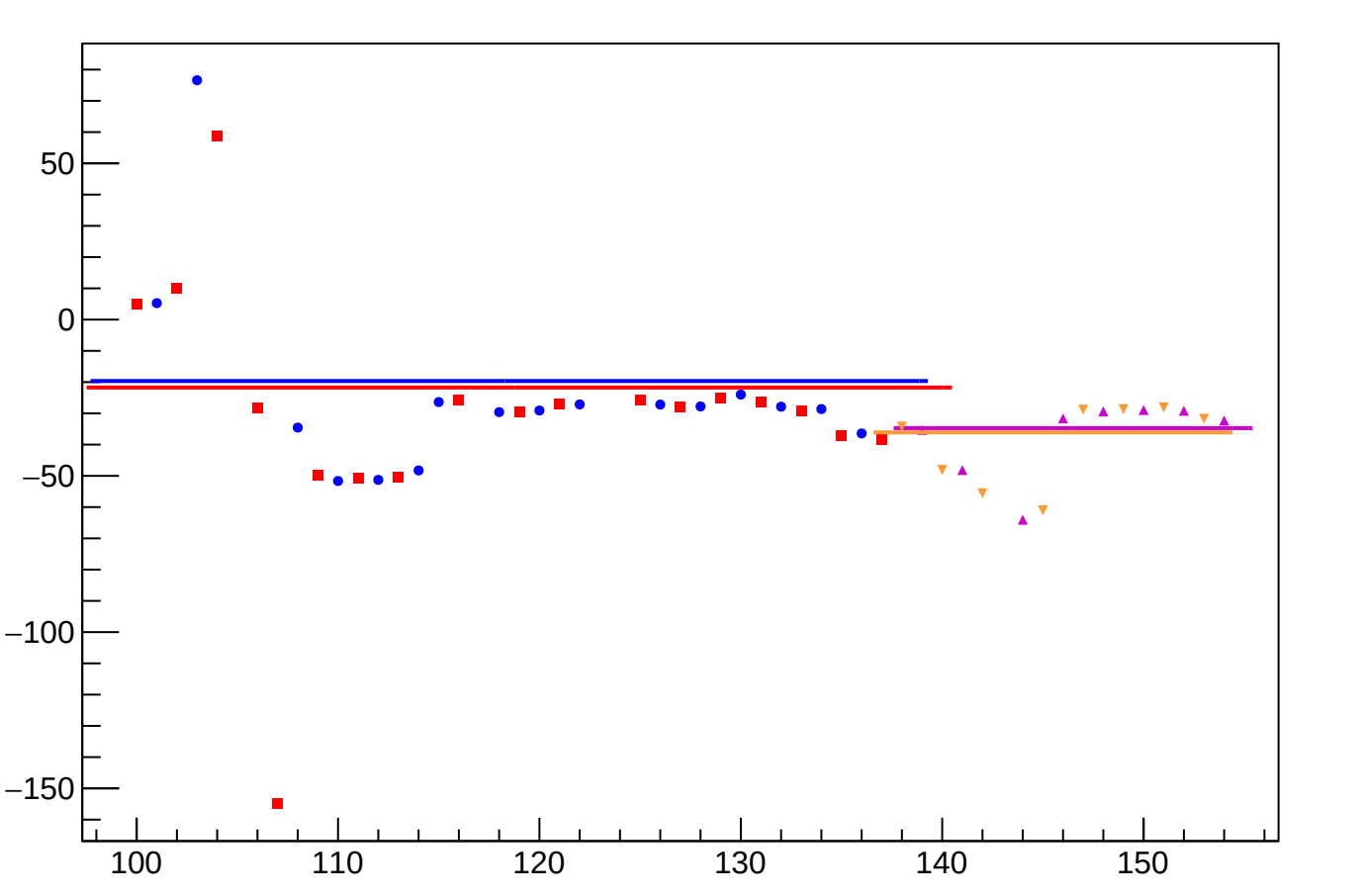
Left: 1.559+/-0.409 χ^2/NDF: 556.3/15

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

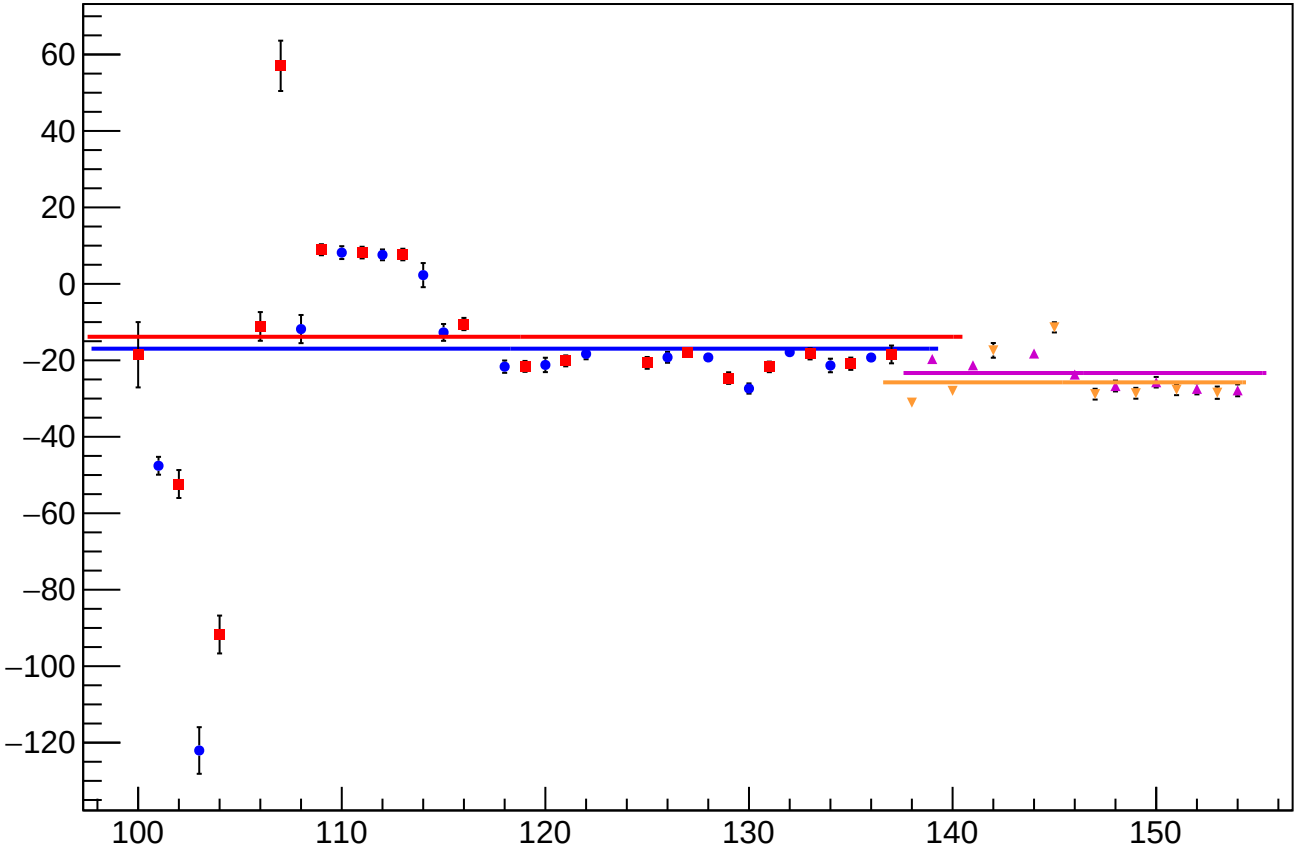
In: -5.285+/-0.414 χ^2/NDF:1271.9/23

Out: -6.586+/-0.428 χ^2/NDF:1035.9/25

All: -5.915+/-0.298 χ^2/NDF: 2312.5/49


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: -19.644+/-0.036 χ²/NDF: 646925.7/15
Left Out: -36.088+/-0.029 χ²/NDF:138243.8/7
Right Out: -21.730+/-0.039 χ²/NDF: 546659.9/17
Left In: -34.728+/-0.027 χ²/NDF:117492.8/7
Left: -35.356+/-0.020 χ²/NDF: 256927.9/15
Right: -20.610+/-0.026 χ²/NDF: 1195130.0/33
In: -29.375+/-0.022 χ²/NDF:876974.1/23
Out: -30.978+/-0.023 χ²/NDF:772703.6/25
All: -30.116+/-0.016 χ²/NDF: 1652244.4/49

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -25.760+/-0.490 χ^2/NDF:171.7/7

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -23.314+/-0.474 χ^2/NDF:53.5/7

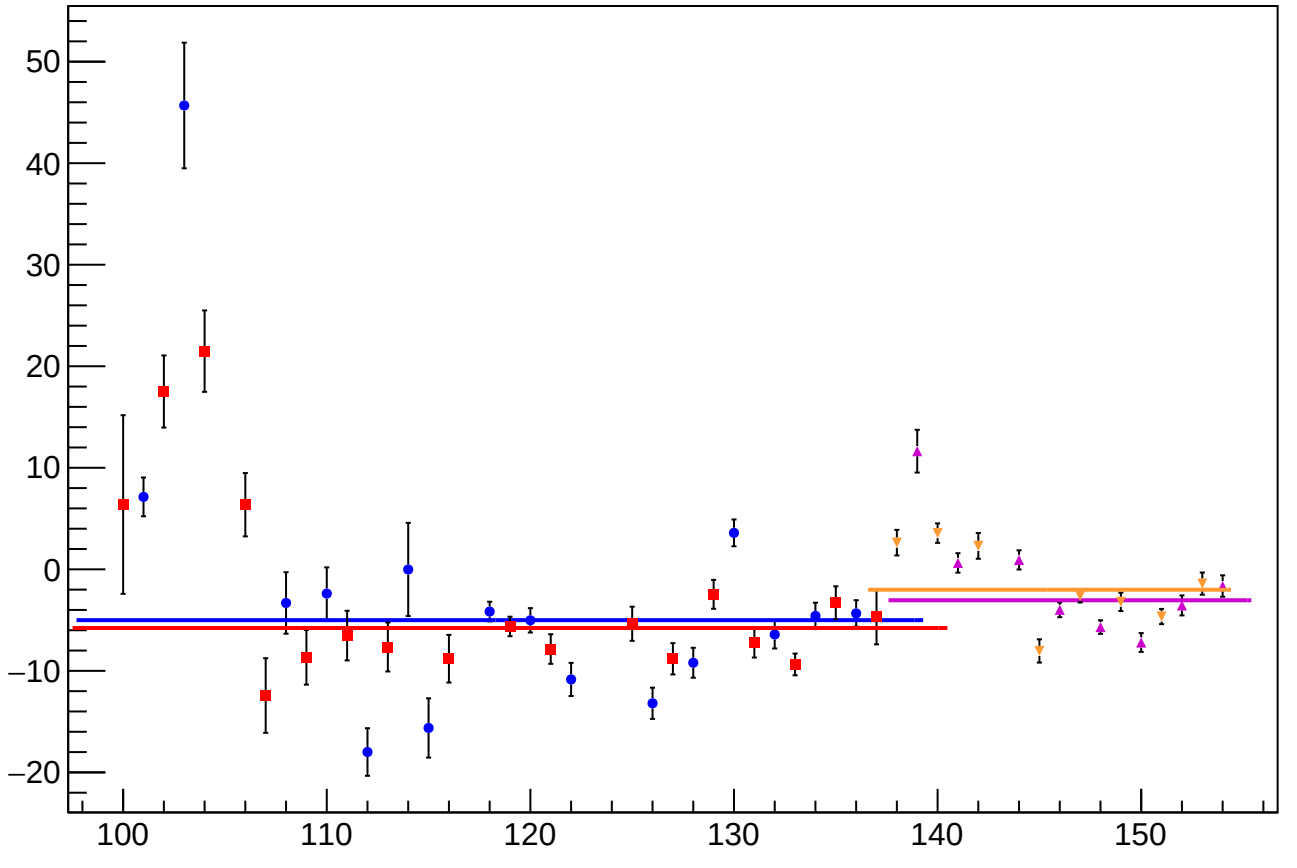
Left: -24.496+/-0.341 χ^2/NDF: 238.0/15

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -19.625+/-0.307 χ^2/NDF:1286.2/23

Out: -18.730+/-0.314 χ^2/NDF:1853.3/25

All: -19.188+/-0.220 χ^2/NDF: 3143.6/49



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.012+/-0.328 χ^2/NDF:101.8/7

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -3.047+/-0.322 χ^2/NDF:120.4/7

Left: -2.539+/-0.230 χ^2/NDF: 227.3/15

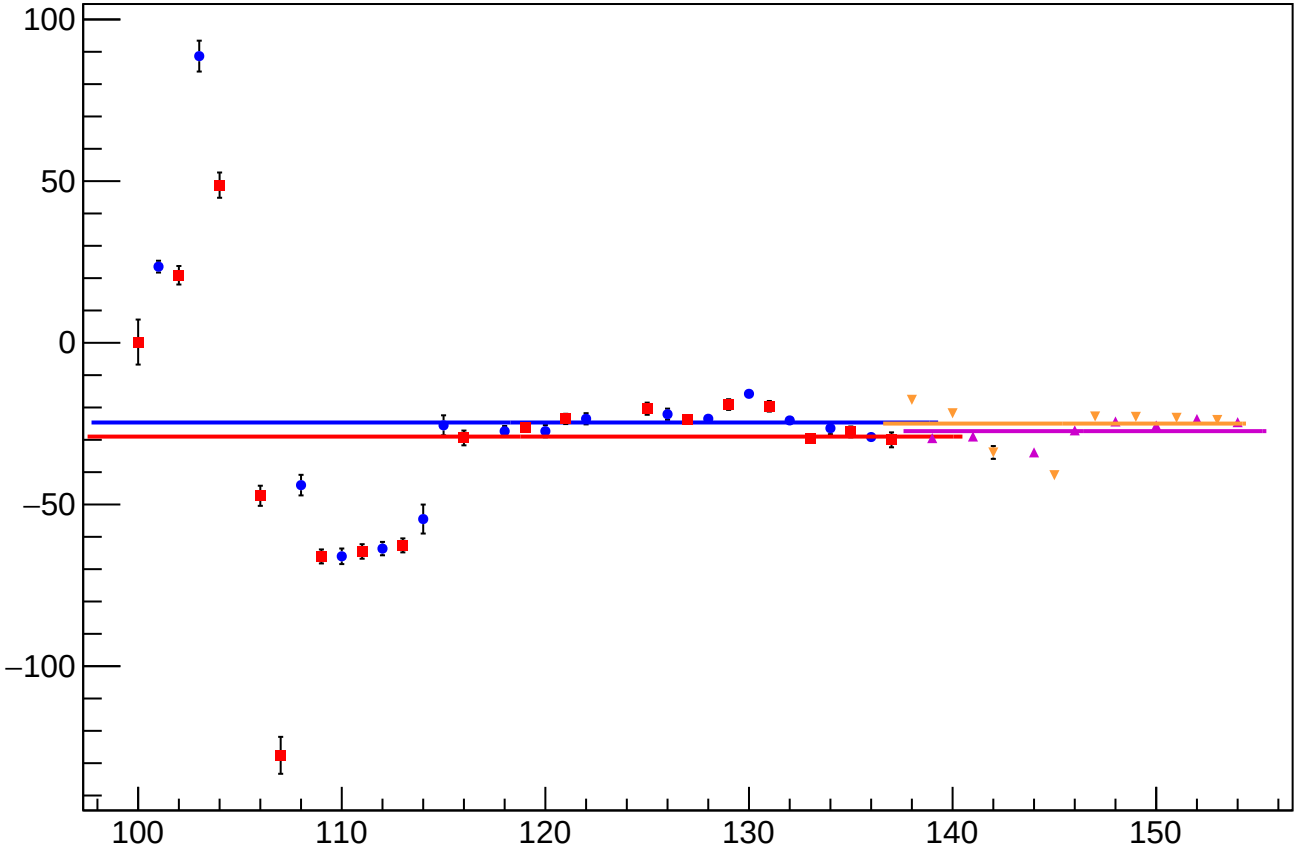
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.814+/-0.251 χ^2/NDF:382.7/23

Out: -3.441+/-0.258 χ^2/NDF:291.2/25

All: -3.633+/-0.180 χ^2/NDF: 675.0/49

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: -27.313+/-0.464 χ^2/NDF:47.5/7

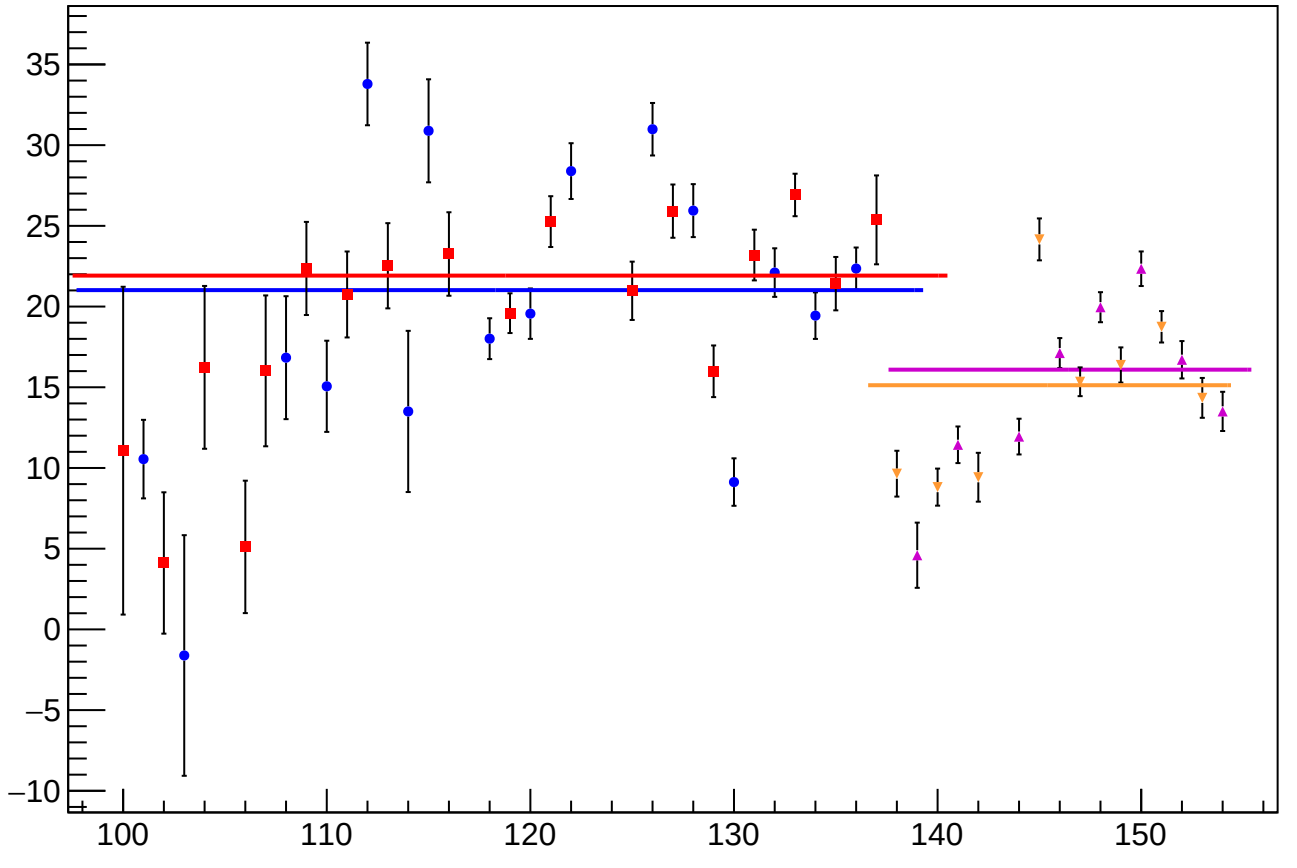
Left: -26.191+/-0.335 χ^2/NDF: 266.4/15

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -25.950+/-0.325 χ^2/NDF:2116.2/23

Out: -27.023+/-0.339 χ^2/NDF:2194.3/25

All: -26.464+/-0.235 χ^2/NDF: 4315.8/49



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: 16.091+/-0.394 χ^2/NDF:120.7/7

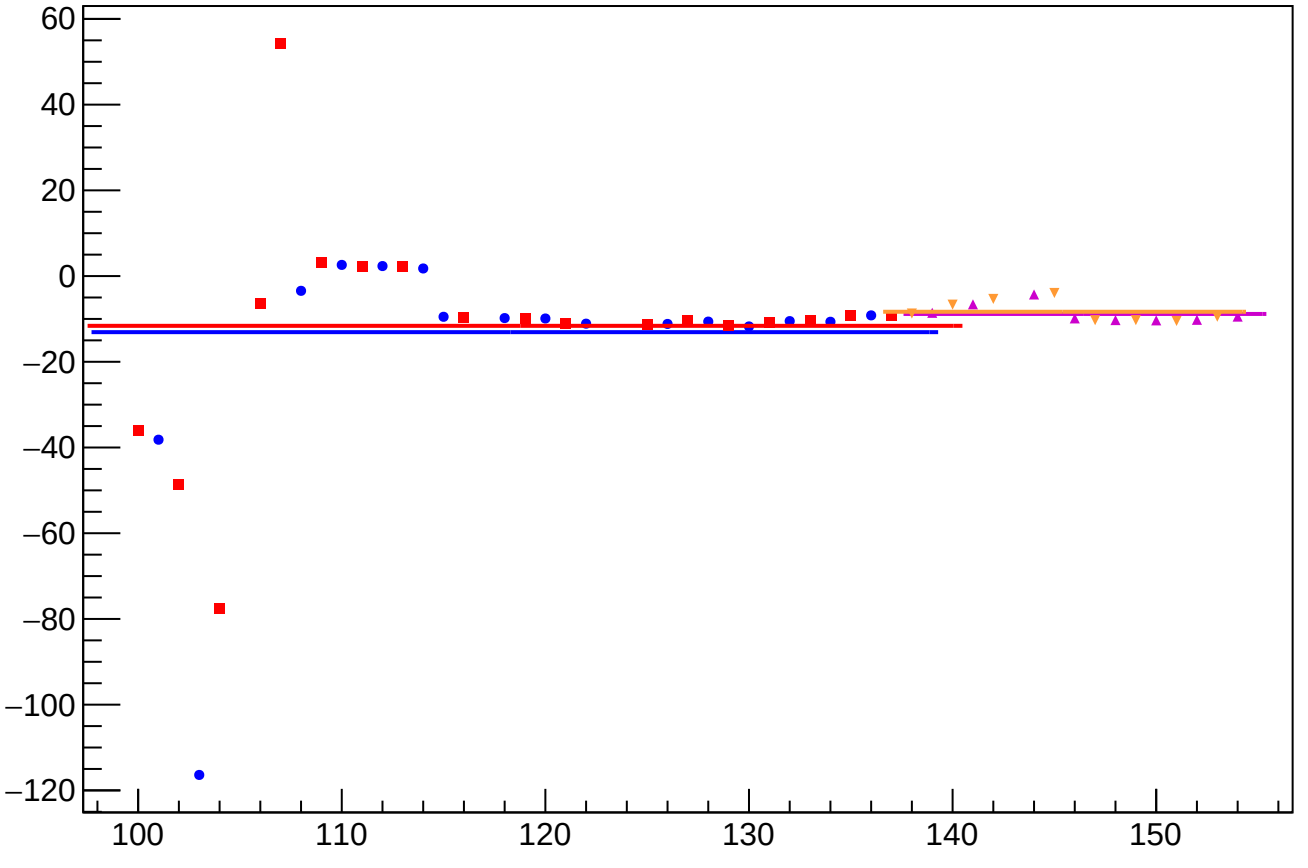
Left: 15.622+/-0.282 χ^2/NDF: 247.0/15

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.184+/-0.299 χ^2/NDF:396.9/23

Out: 17.961+/-0.309 χ^2/NDF:323.3/25

All: 18.076+/-0.215 χ^2/NDF: 720.4/49



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.327+/-0.020 χ^2/NDF:13632.4/7

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -8.838+/-0.018 χ^2/NDF:10535.0/7

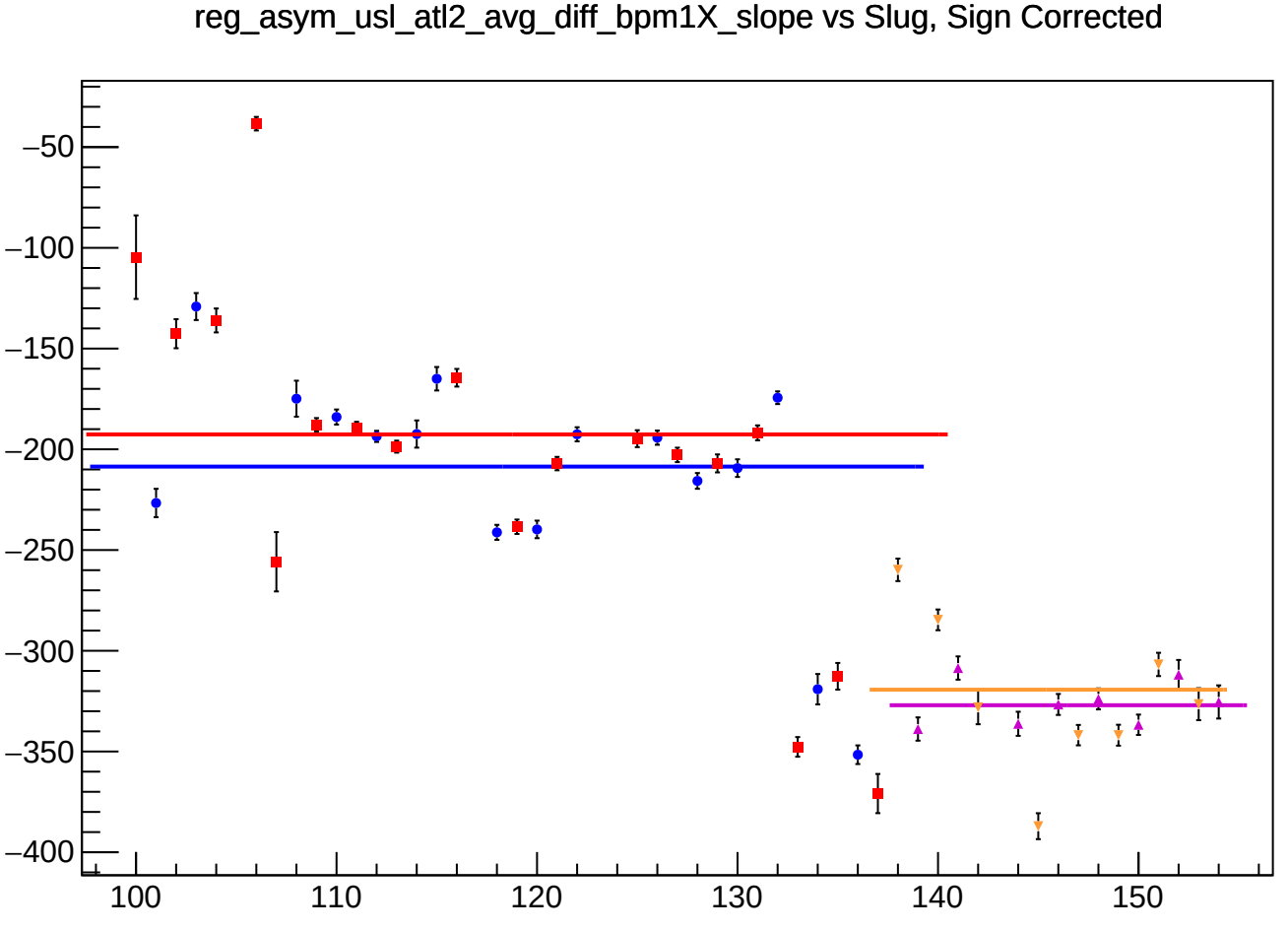
Left: -8.601+/-0.013 χ^2/NDF: 24534.4/15

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.066+/-0.015 χ^2/NDF:371373.2/23

Out: -9.264+/-0.017 χ^2/NDF:335886.4/25

All: -9.696+/-0.011 χ^2/NDF: 708531.6/49



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -319.323+/-2.085 χ^2/NDF:315.0/7

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -327.034+/-2.065 χ^2/NDF:25.2/7

Left: -323.214+/-1.467 χ^2/NDF: 347.1/15

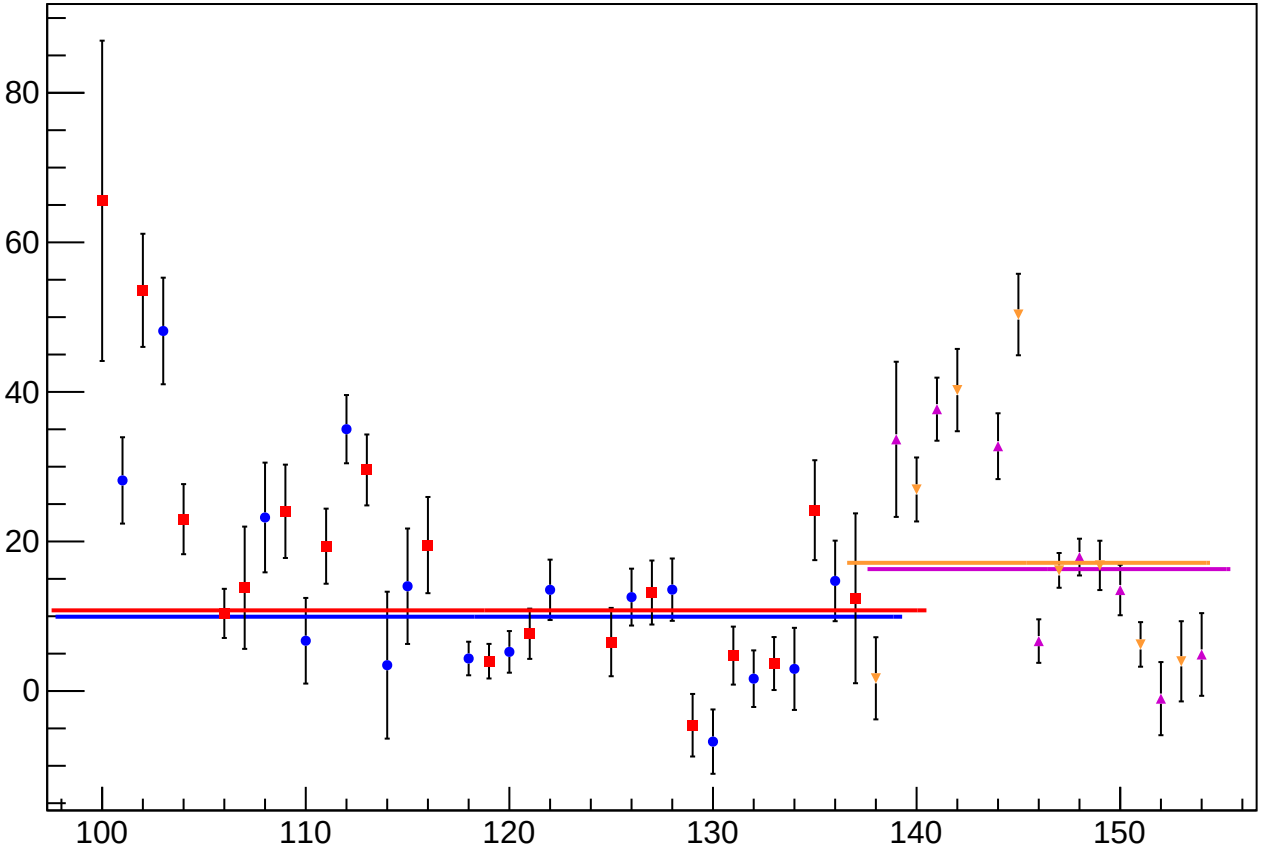
Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -233.519+/-0.948 χ^2/NDF:4372.7/23

Out: -216.274+/-0.901 χ^2/NDF:7526.4/25

All: -224.460+/-0.653 χ^2/NDF: 12073.1/49

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 16.303+/-1.333 χ^2/NDF:71.3/7

Left: 16.730+/-0.936 χ^2/NDF: 159.1/15

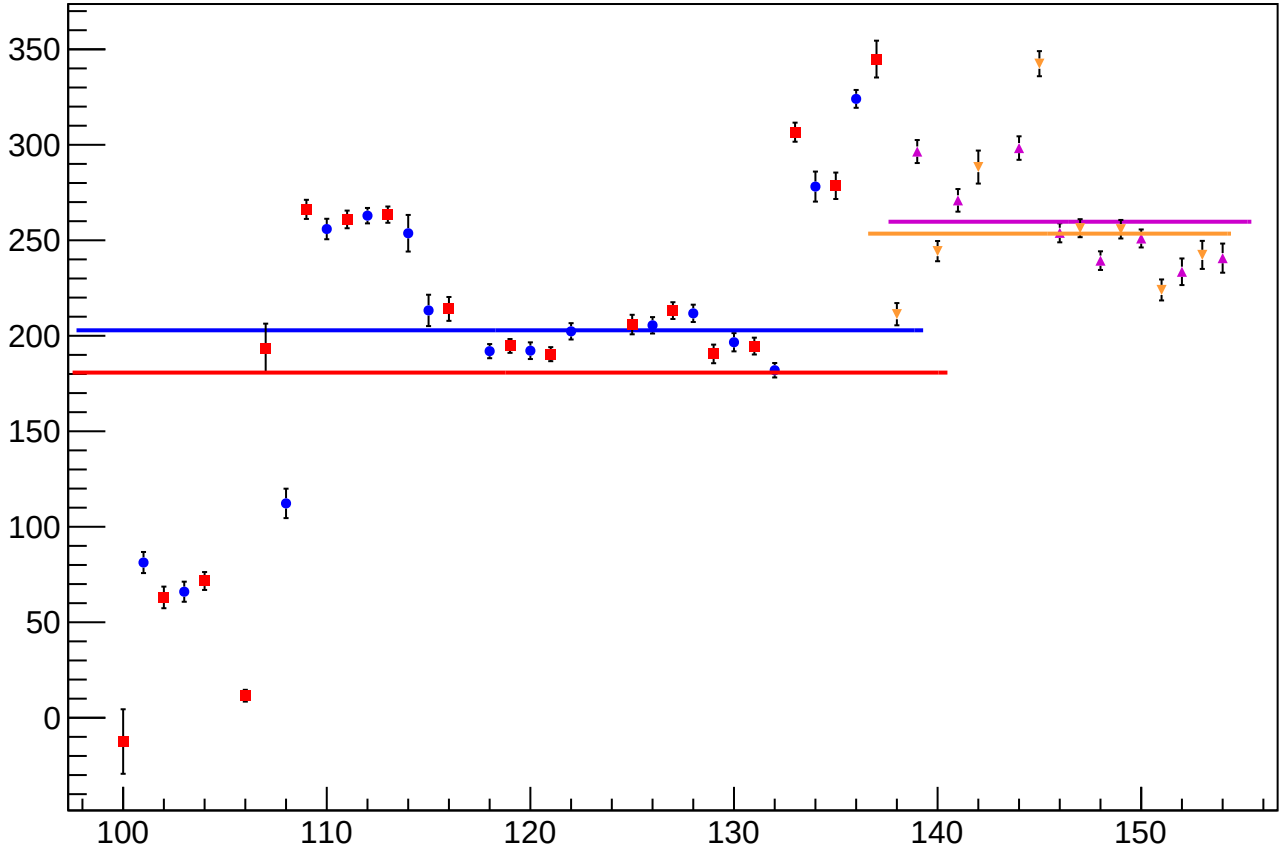
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 12.420+/-0.832 χ^2/NDF:191.8/23

Out: 13.246+/-0.817 χ^2/NDF:207.0/25

All: 12.841+/-0.583 χ^2/NDF: 399.3/49

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: 259.720+/-2.010 χ^2/NDF:122.7/7

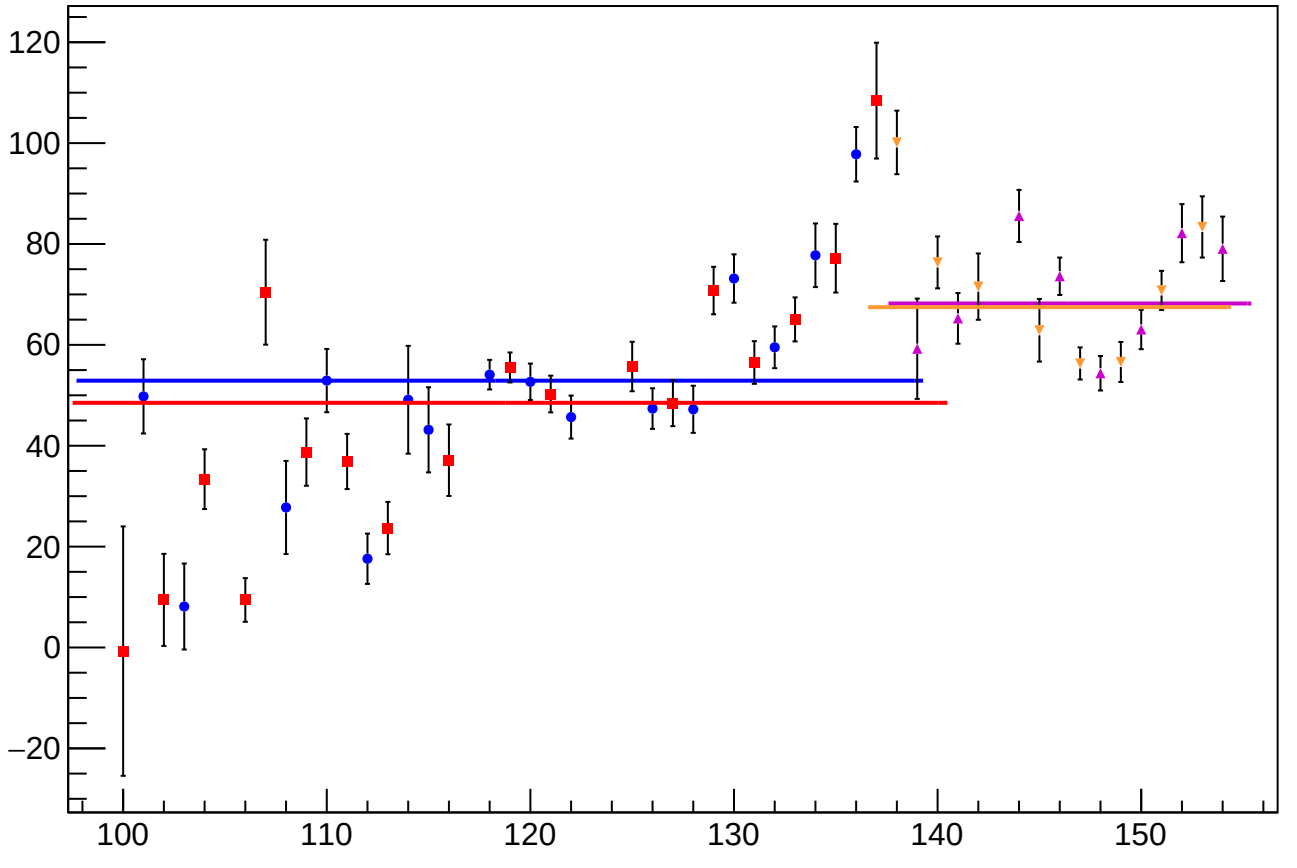
Left: 256.648+/-1.431 χ^2/NDF: 414.1/15

Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 218.283+/-1.046 χ^2/NDF:3170.1/23

Out: 198.157+/-0.997 χ^2/NDF:7604.0/25

All: 207.737+/-0.722 χ^2/NDF: 10967.9/49



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: 68.201+/-1.654 χ^2/NDF:41.4/7

Left: 67.837+/-1.168 χ^2/NDF: 99.6/15

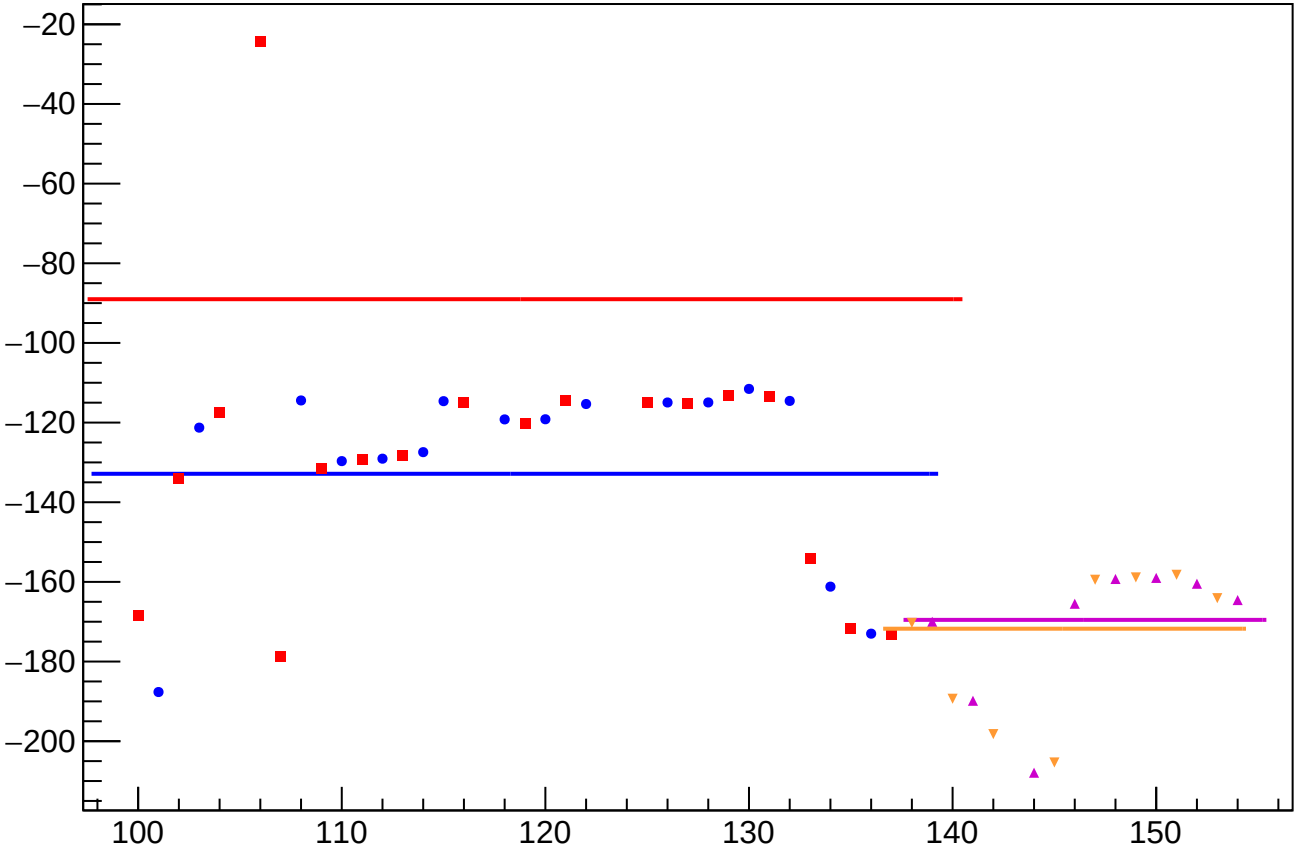
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 58.415+/-0.993 χ^2/NDF:294.5/23

Out: 55.177+/-0.978 χ^2/NDF:383.9/25

All: 56.771+/-0.697 χ^2/NDF: 683.7/49

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: -169.535+/-0.080 χ^2/NDF:34131.0/7

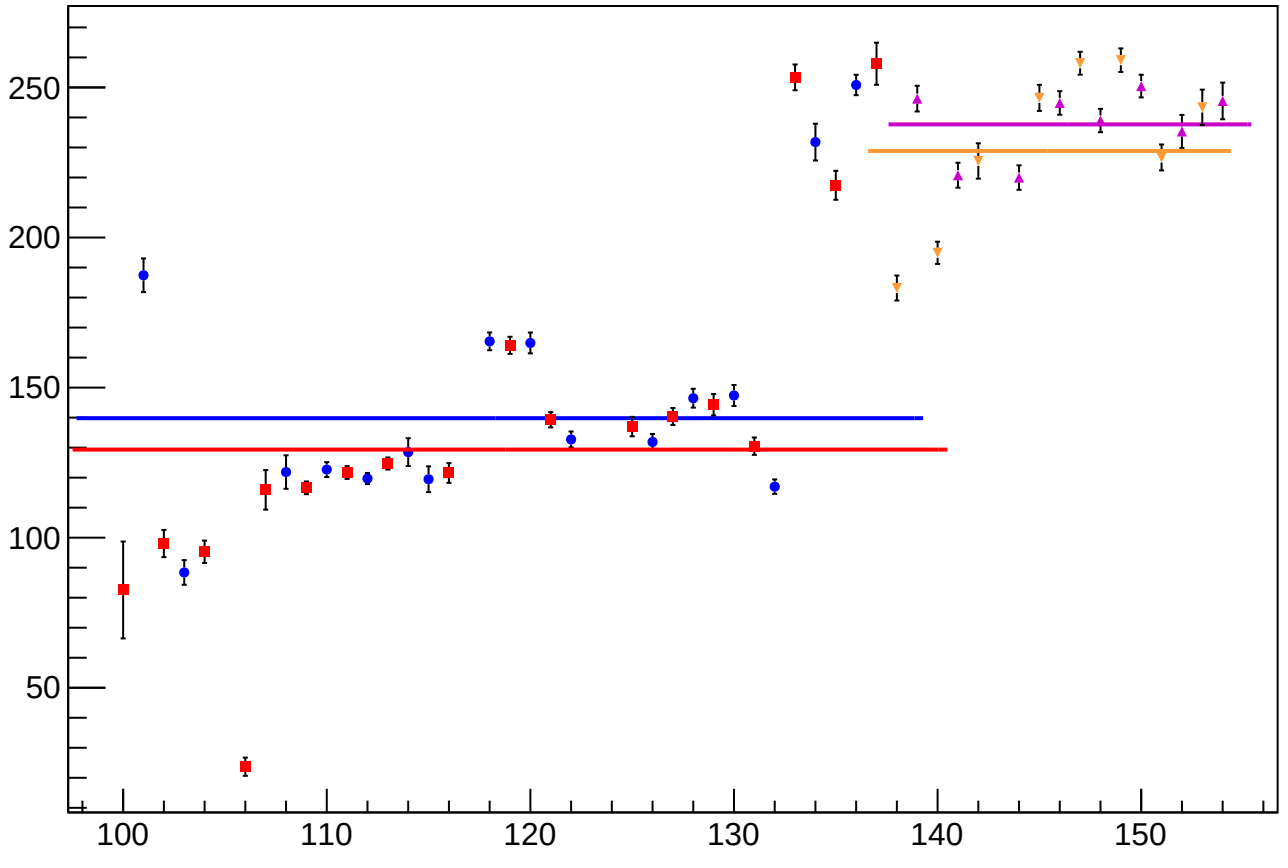
Left: -170.588+/-0.058 χ^2/NDF: 74476.5/15

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -151.572+/-0.057 χ^2/NDF:231356.2/23

Out: -119.577+/-0.051 χ^2/NDF:1382056.6/25

All: -133.808+/-0.038 χ^2/NDF: 1788766.3/49



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: 237.692+/-1.519 χ^2/NDF:56.1/7

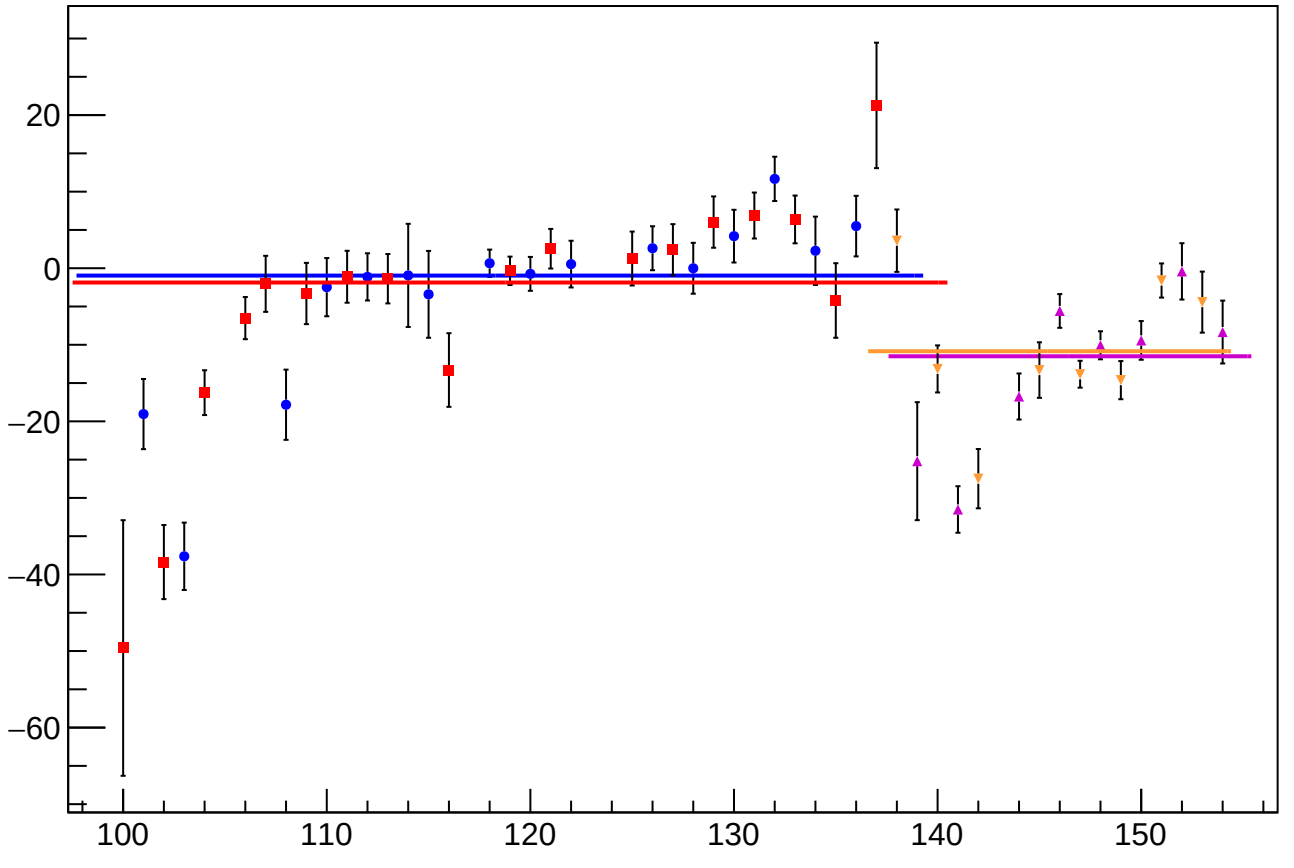
Left: 233.290+/-1.077 χ^2/NDF: 418.8/15

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 160.423+/-0.697 χ^2/NDF:5298.8/23

Out: 148.011+/-0.662 χ^2/NDF:6914.2/25

All: 153.895+/-0.480 χ^2/NDF: 12379.7/49



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: -11.501+/-0.985 χ^2/NDF:67.8/7

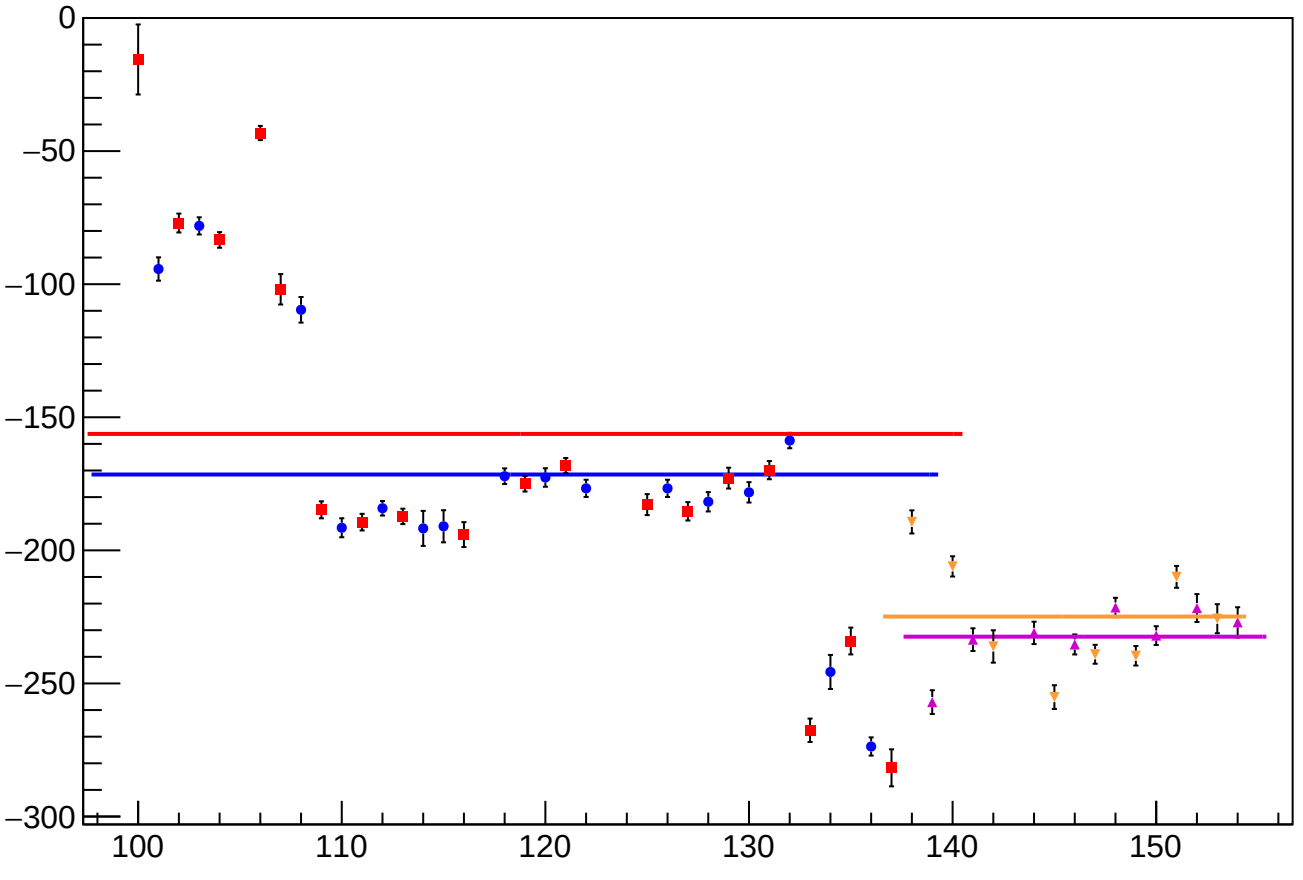
Left: -11.166+/-0.692 χ^2/NDF: 125.0/15

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -5.202+/-0.625 χ^2/NDF:262.2/23

Out: -5.405+/-0.610 χ^2/NDF:241.9/25

All: -5.306+/-0.436 χ^2/NDF: 504.2/49



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: -232.432+/-1.481 χ^2/NDF:45.3/7

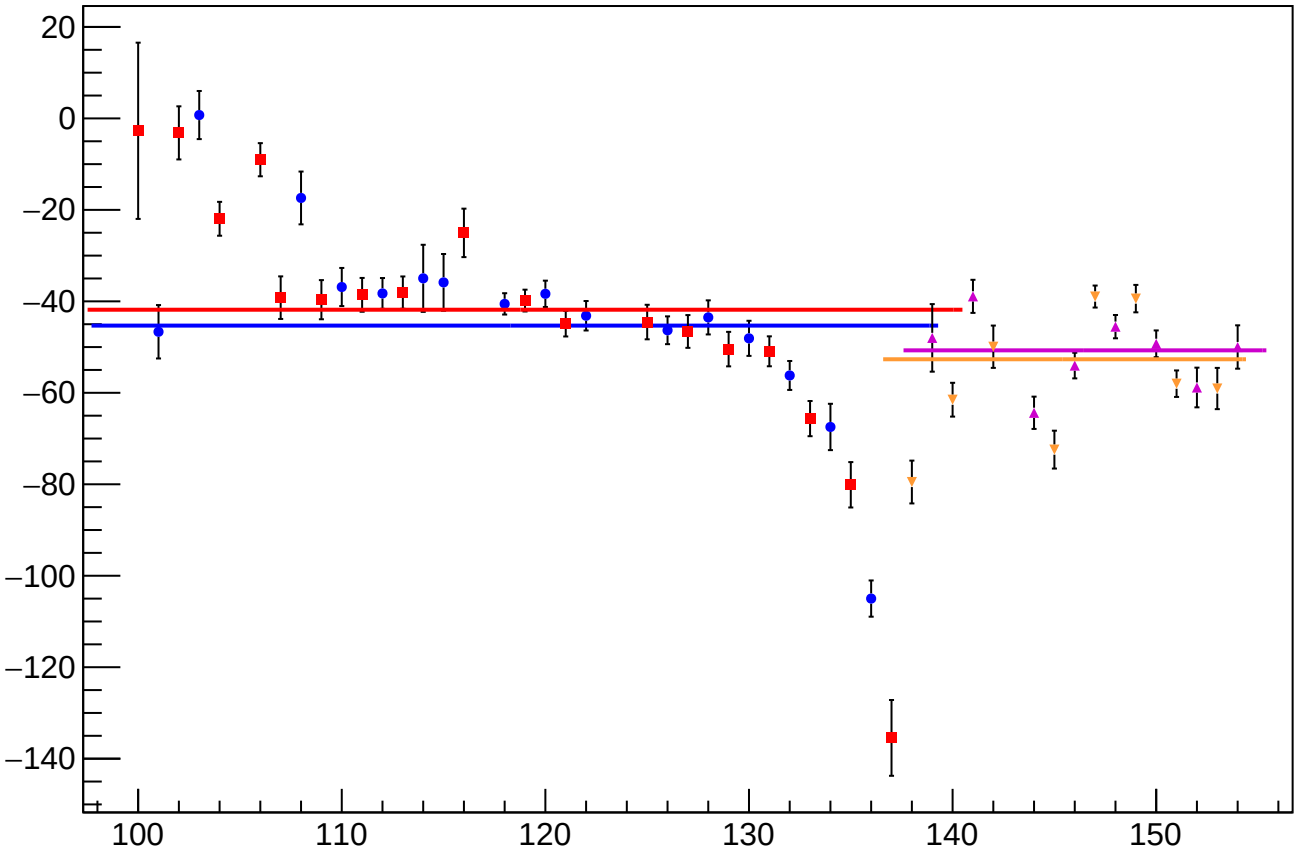
Left: -228.694+/-1.053 χ^2/NDF: 244.6/15

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

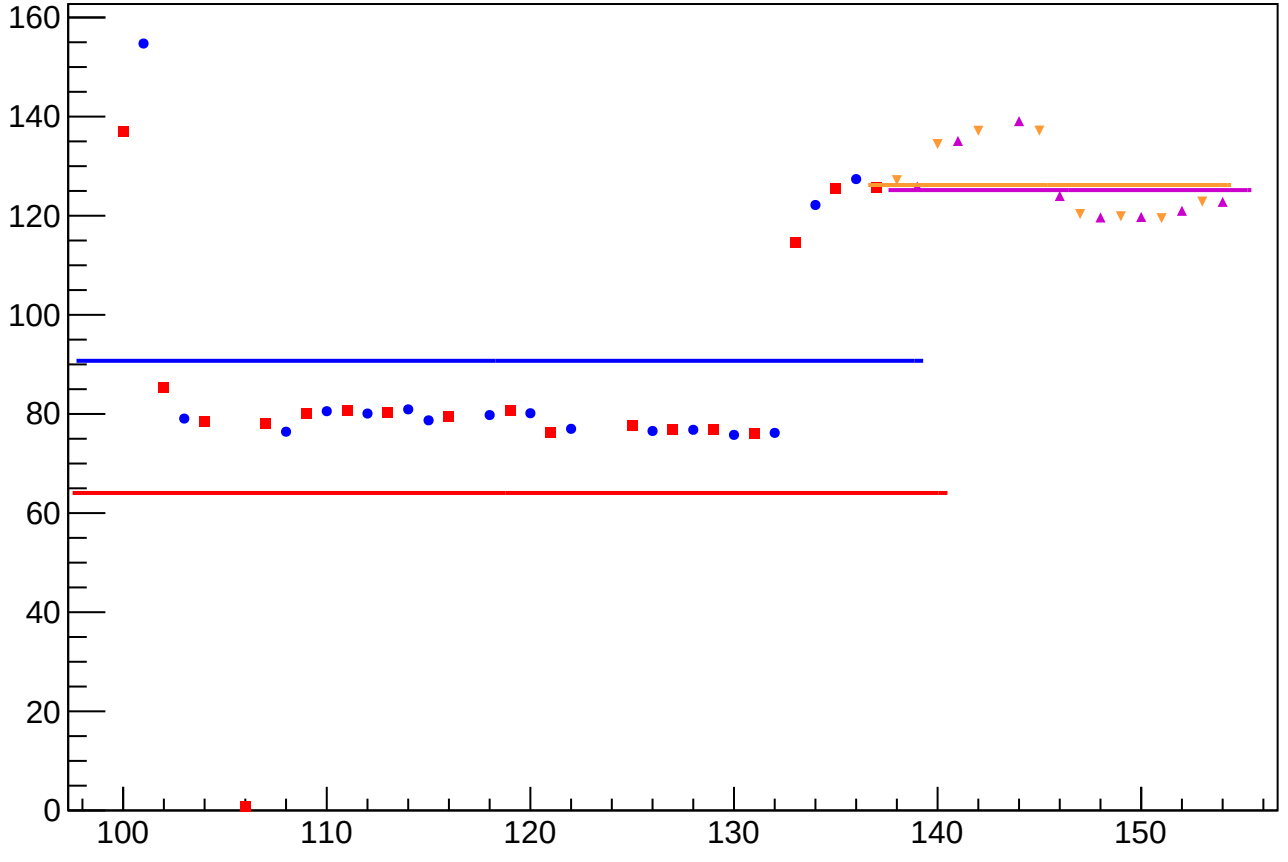
In: -188.122+/-0.773 χ^2/NDF:3719.2/23

Out: -172.899+/-0.737 χ^2/NDF:6680.8/25

All: -180.149+/-0.534 χ^2/NDF: 10603.0/49


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: -50.714+/-1.221 χ²/NDF:35.1/7
Left: -51.694+/-0.862 χ²/NDF: 155.6/15
Right: -43.515+/-0.653 χ²/NDF: 803.4/33
In: -47.311+/-0.744 χ²/NDF:429.5/23
Out: -45.718+/-0.728 χ²/NDF:584.4/25
All: -46.498+/-0.520 χ²/NDF: 1016.2/49

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: 125.171+/-0.059 χ^2/NDF:12251.3/7

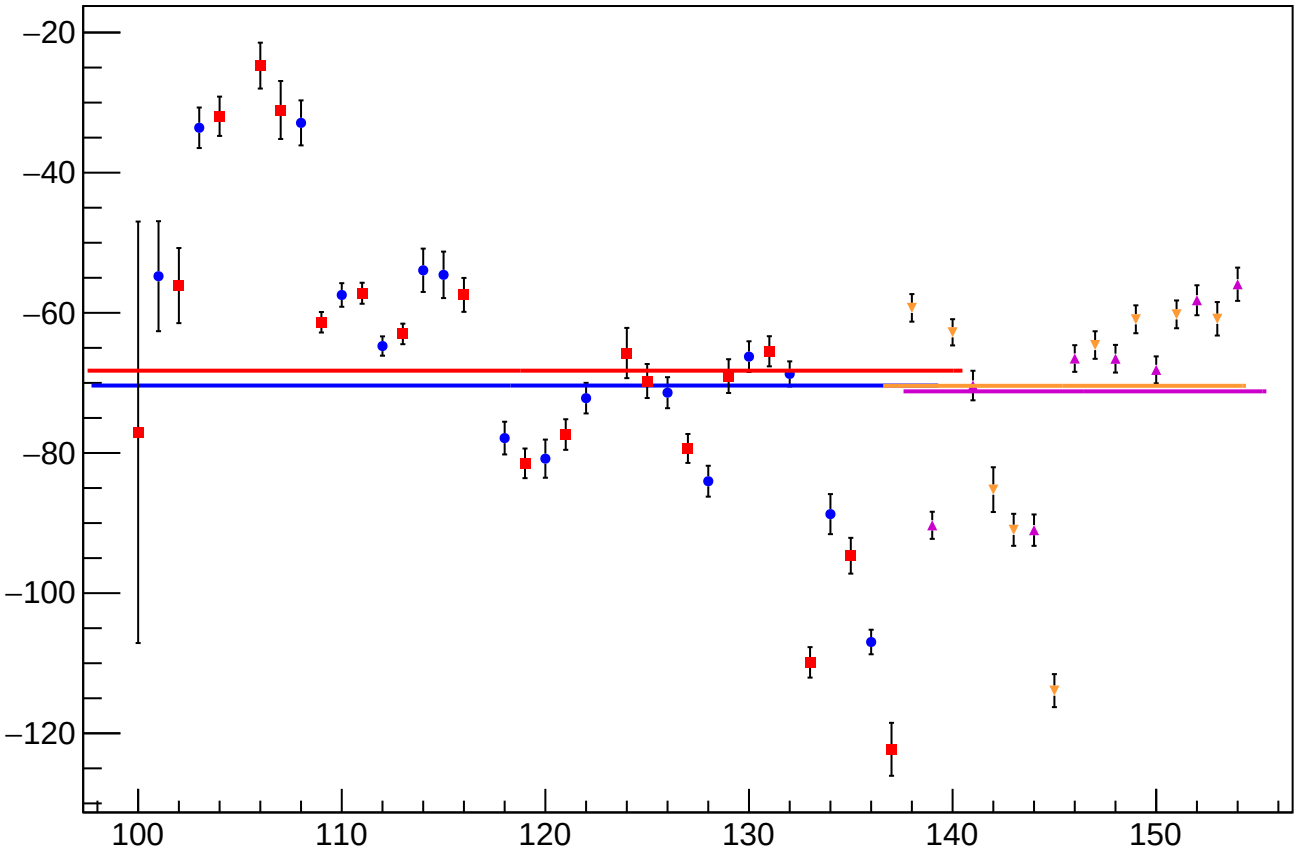
Left: 125.658+/-0.043 χ^2/NDF: 25627.5/15

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 107.842+/-0.041 χ^2/NDF:345773.4/23

Out: 88.306+/-0.038 χ^2/NDF:1294141.7/25

All: 97.345+/-0.028 χ^2/NDF: 1759083.8/49



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: -71.205+/-0.727 χ^2/NDF:268.6/7

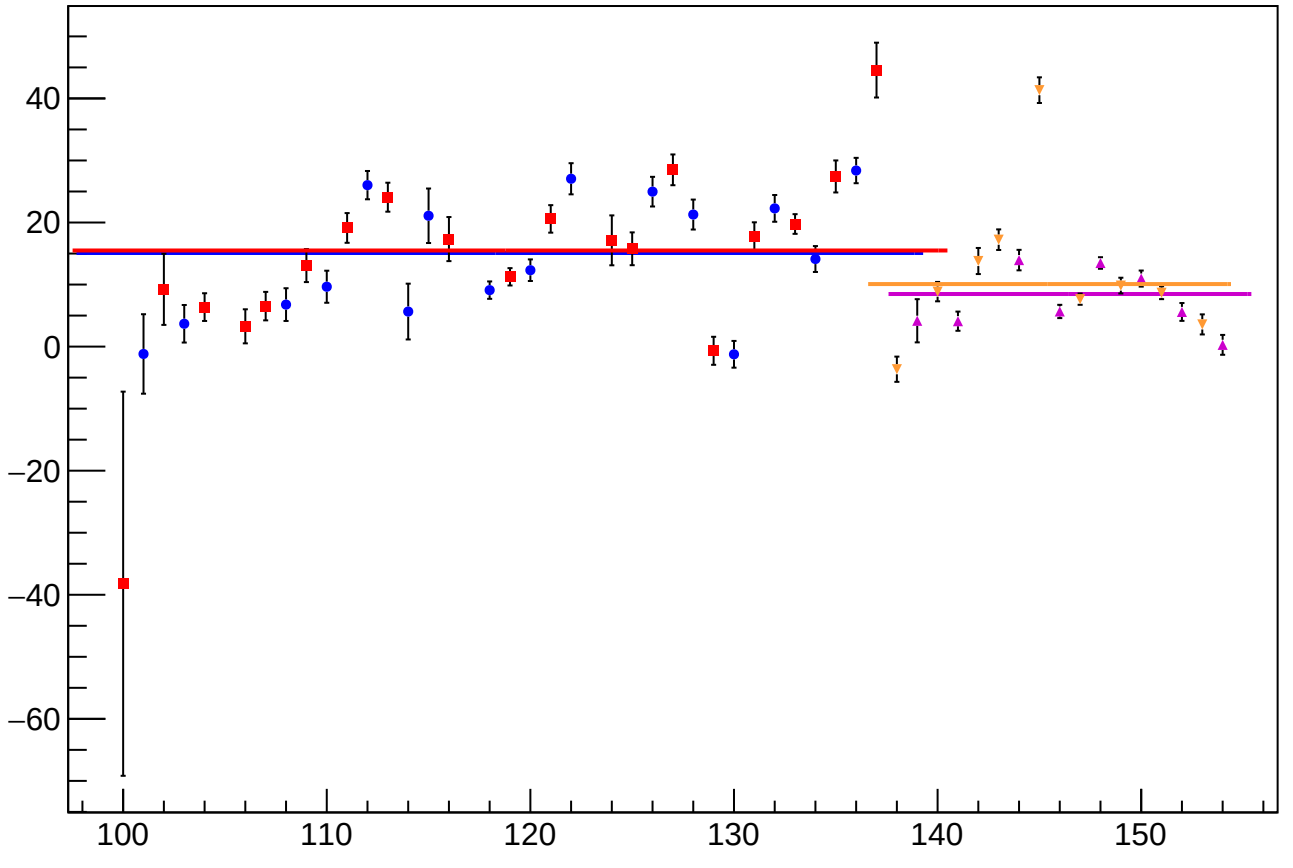
Left: -70.803+/-0.510 χ^2/NDF: 835.2/16

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -70.682+/-0.443 χ^2/NDF:1244.3/23

Out: -69.012+/-0.424 χ^2/NDF:1877.9/27

All: -69.811+/-0.306 χ^2/NDF: 3129.7/51



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: 8.477+/-0.479 χ^2/NDF:90.1/7

Left: 9.303+/-0.333 χ^2/NDF: 417.2/16

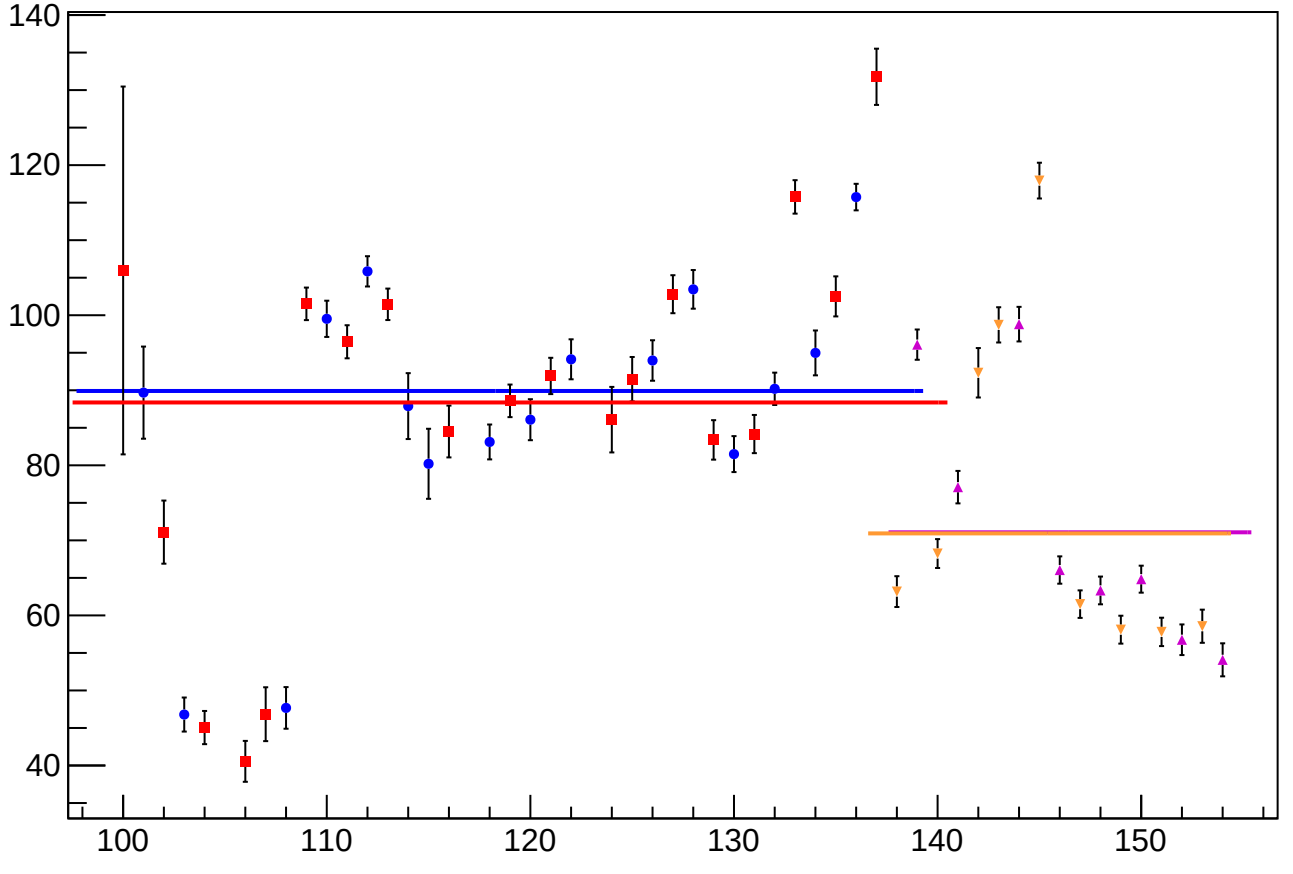
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 11.153+/-0.369 χ^2/NDF:409.8/23

Out: 12.293+/-0.357 χ^2/NDF:616.1/27

All: 11.743+/-0.257 χ^2/NDF: 1030.8/51

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 70.928+/-0.702 χ^2/NDF:741.0/8

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 71.073+/-0.707 χ^2/NDF:452.4/7

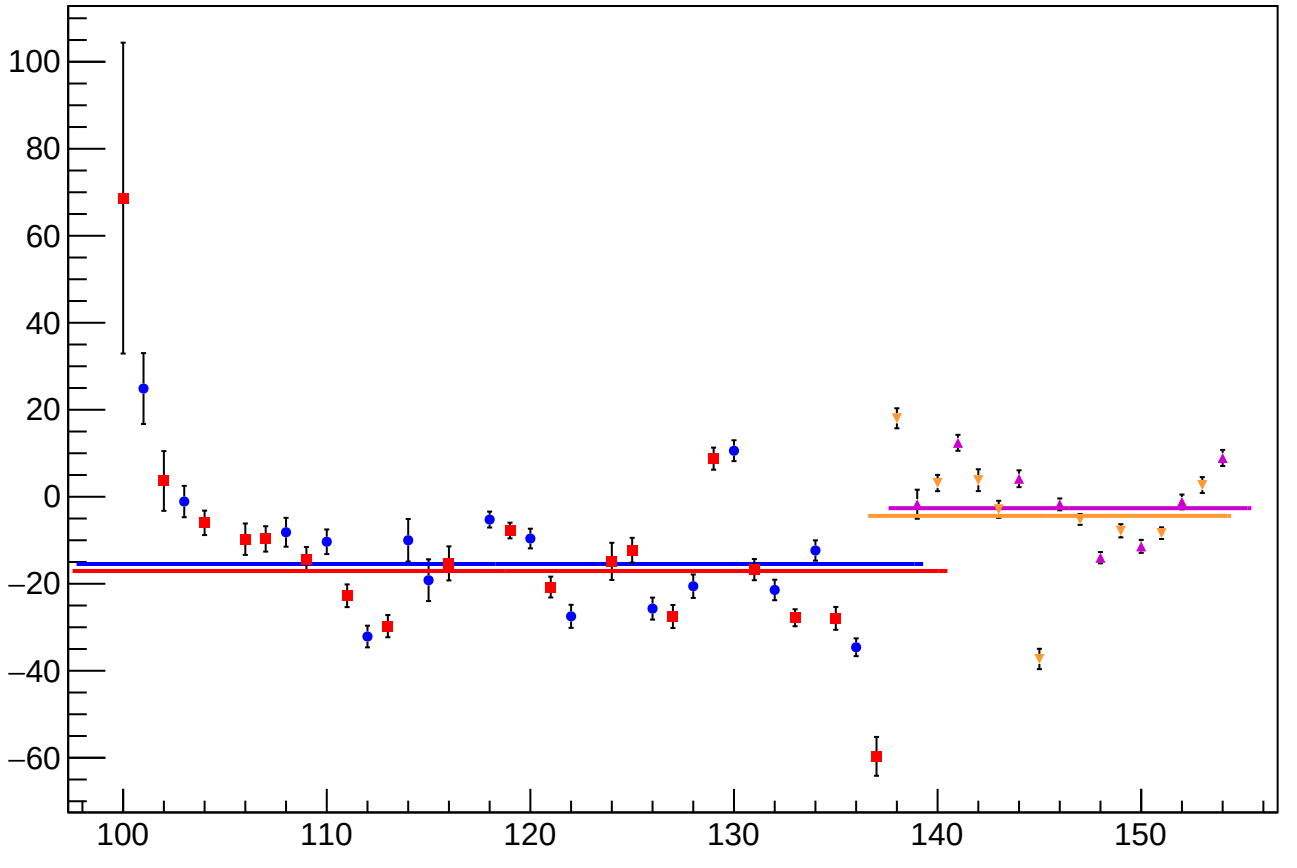
Left: 71.000+/-0.498 χ^2/NDF: 1193.4/16

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 81.421+/-0.475 χ^2/NDF:1789.4/23

Out: 80.768+/-0.464 χ^2/NDF:2378.0/27

All: 81.086+/-0.332 χ^2/NDF: 4168.4/51



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: -2.623+/-0.590 χ^2/NDF:231.0/7

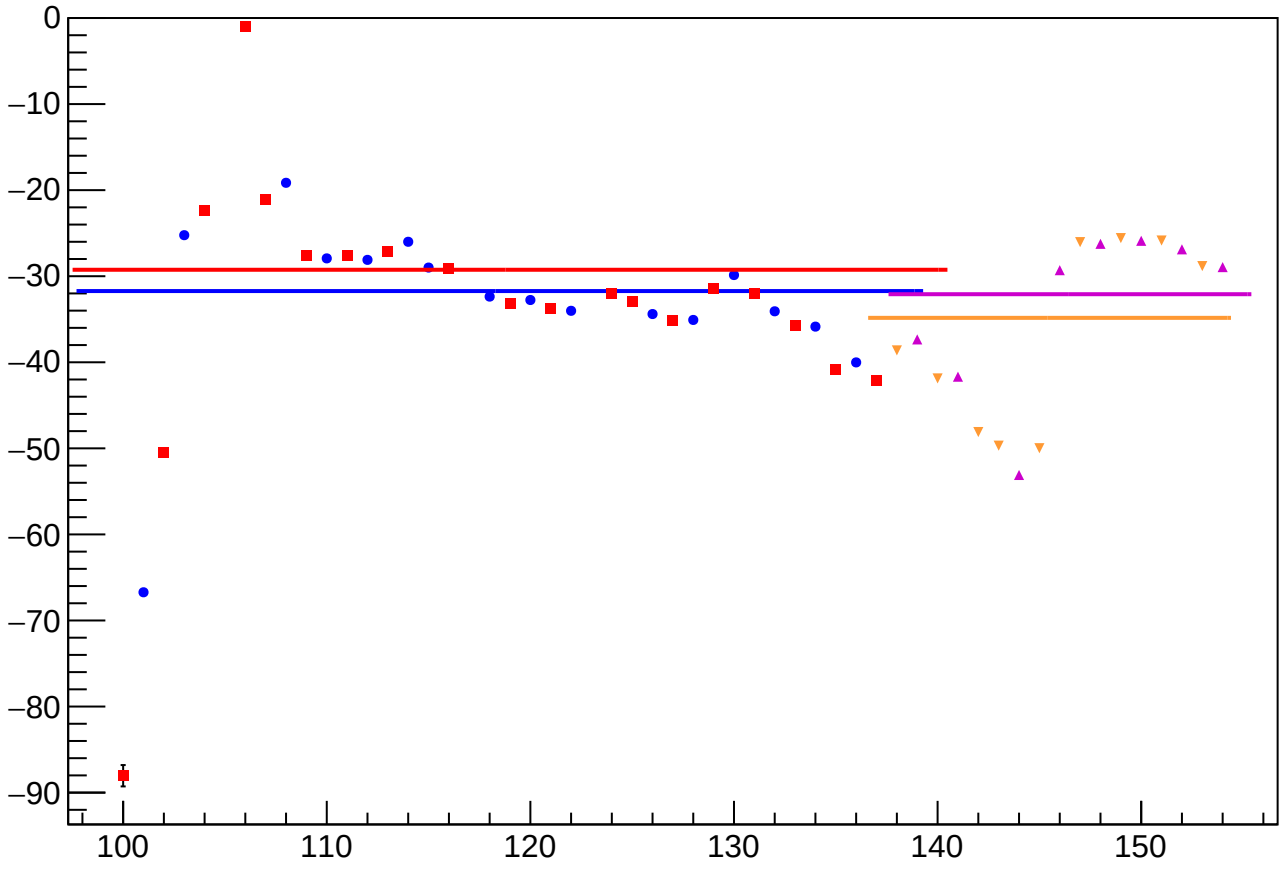
Left: -3.530+/-0.412 χ^2/NDF: 584.8/16

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -8.267+/-0.441 χ^2/NDF:825.8/23

Out: -10.036+/-0.429 χ^2/NDF:925.2/27

All: -9.176+/-0.308 χ^2/NDF: 1759.2/51



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: -32.091+/-0.028 χ^2/NDF:79995.8/7

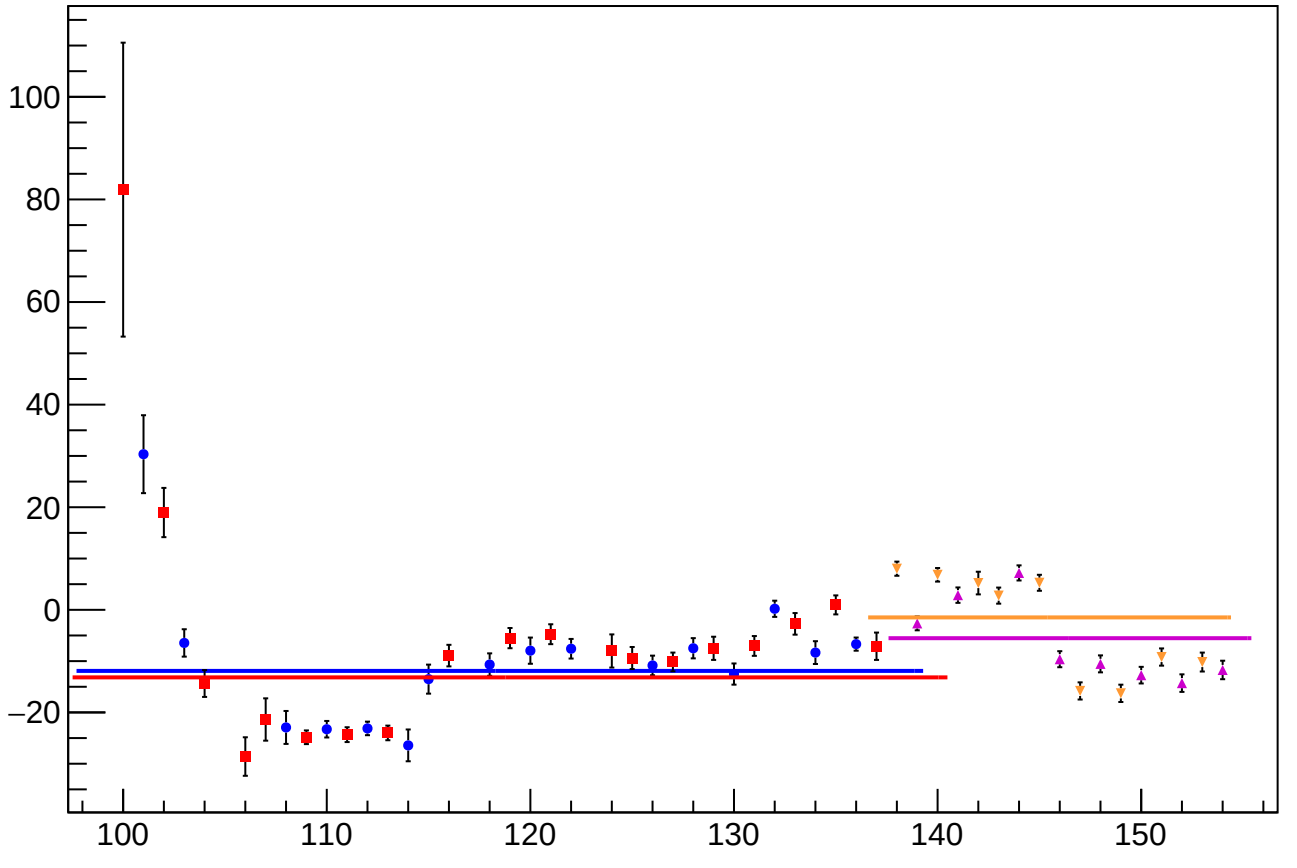
Left: -33.421+/-0.020 χ^2/NDF: 199301.2/16

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -31.967+/-0.022 χ^2/NDF:119692.1/23

Out: -32.855+/-0.023 χ^2/NDF:223390.1/27

All: -32.402+/-0.016 χ^2/NDF: 343851.2/51



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: -5.529+/-0.554 χ^2/NDF:184.1/7

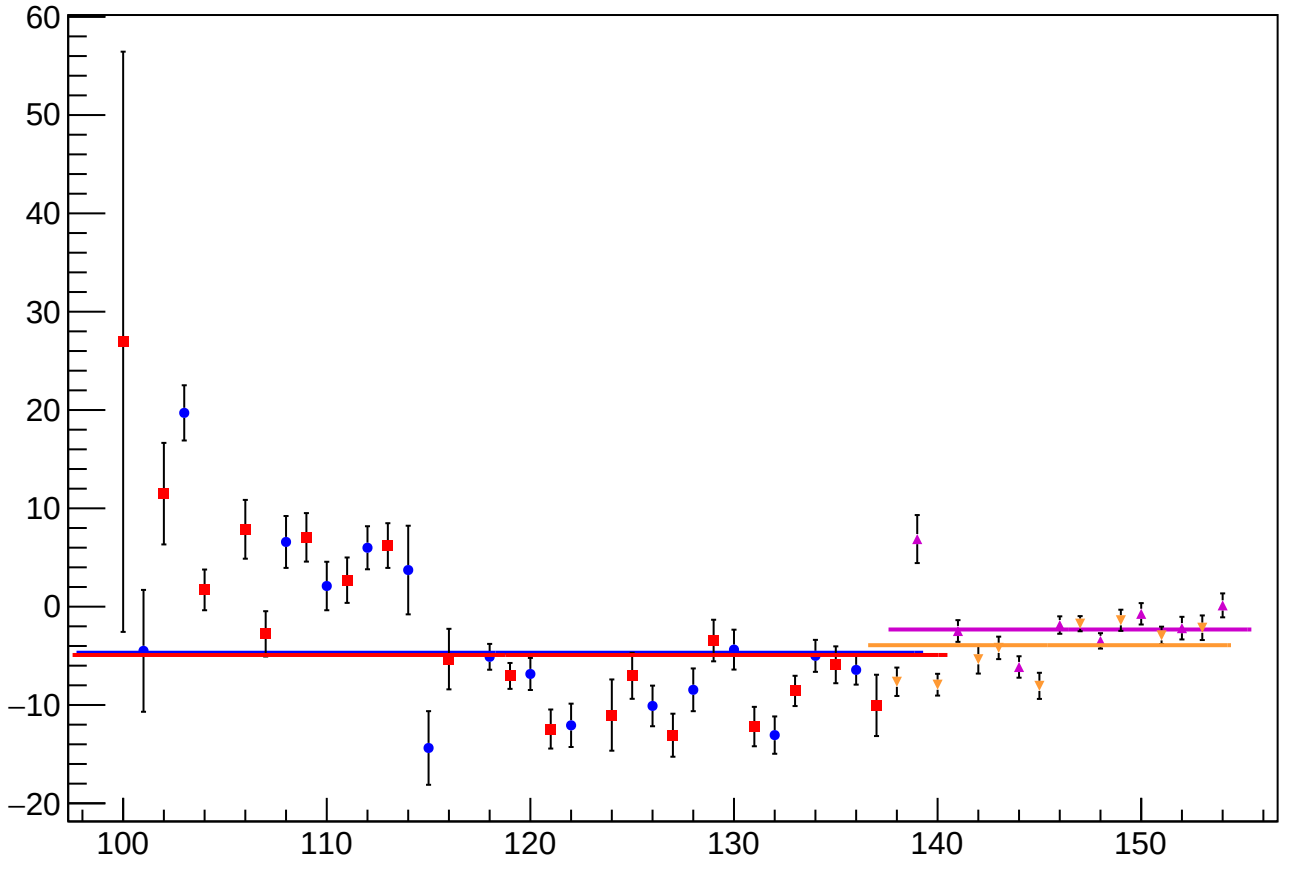
Left: -3.438+/-0.385 χ^2/NDF: 527.4/16

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -9.065+/-0.370 χ^2/NDF:539.5/23

Out: -7.968+/-0.358 χ^2/NDF:1001.0/27

All: -8.499+/-0.257 χ^2/NDF: 1545.1/51



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: -2.322+/-0.378 χ^2/NDF:35.1/7

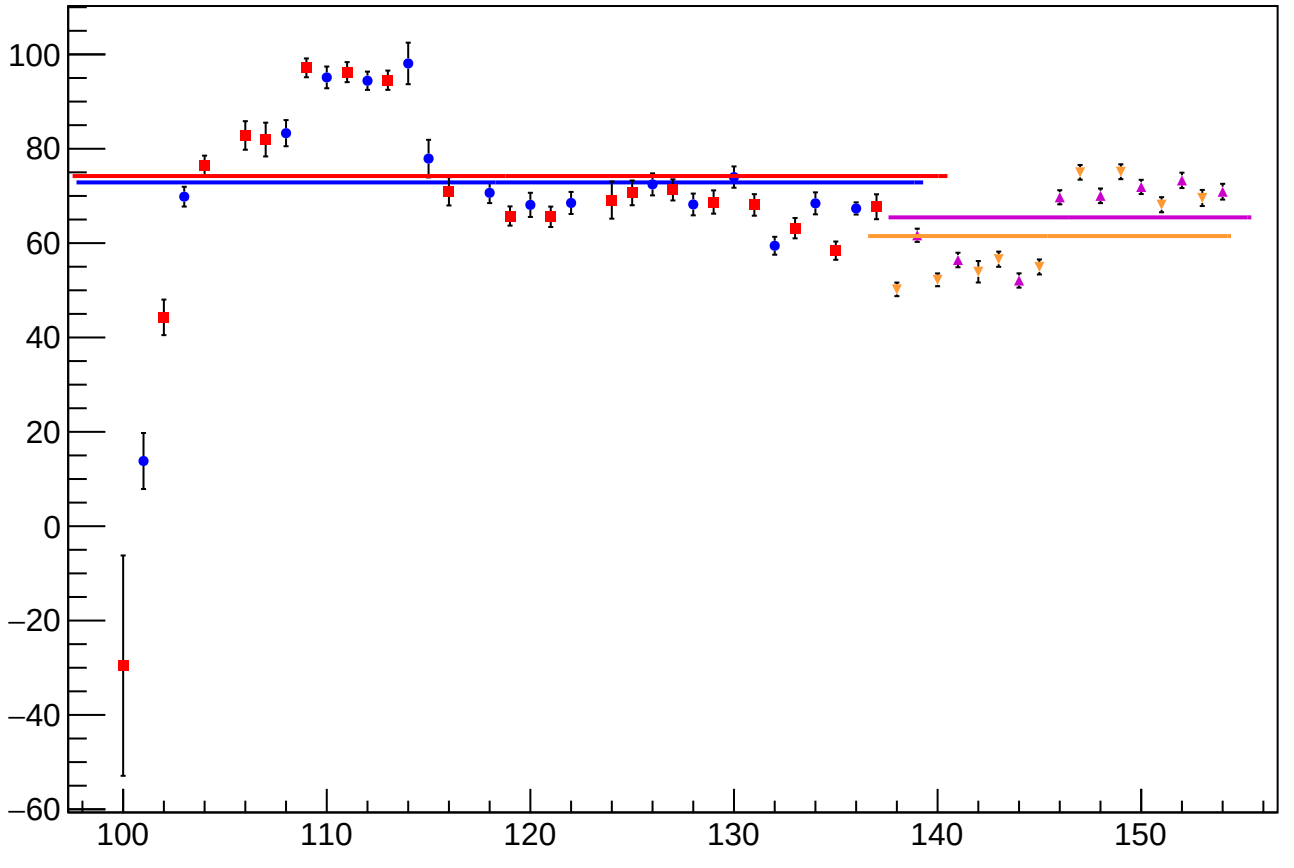
Left: -3.151+/-0.262 χ^2/NDF: 91.8/16

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.145+/-0.305 χ^2/NDF:227.8/23

Out: -4.251+/-0.297 χ^2/NDF:205.8/27

All: -3.713+/-0.213 χ^2/NDF: 440.3/51



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: 65.456+/-0.543 χ^2/NDF:188.0/7

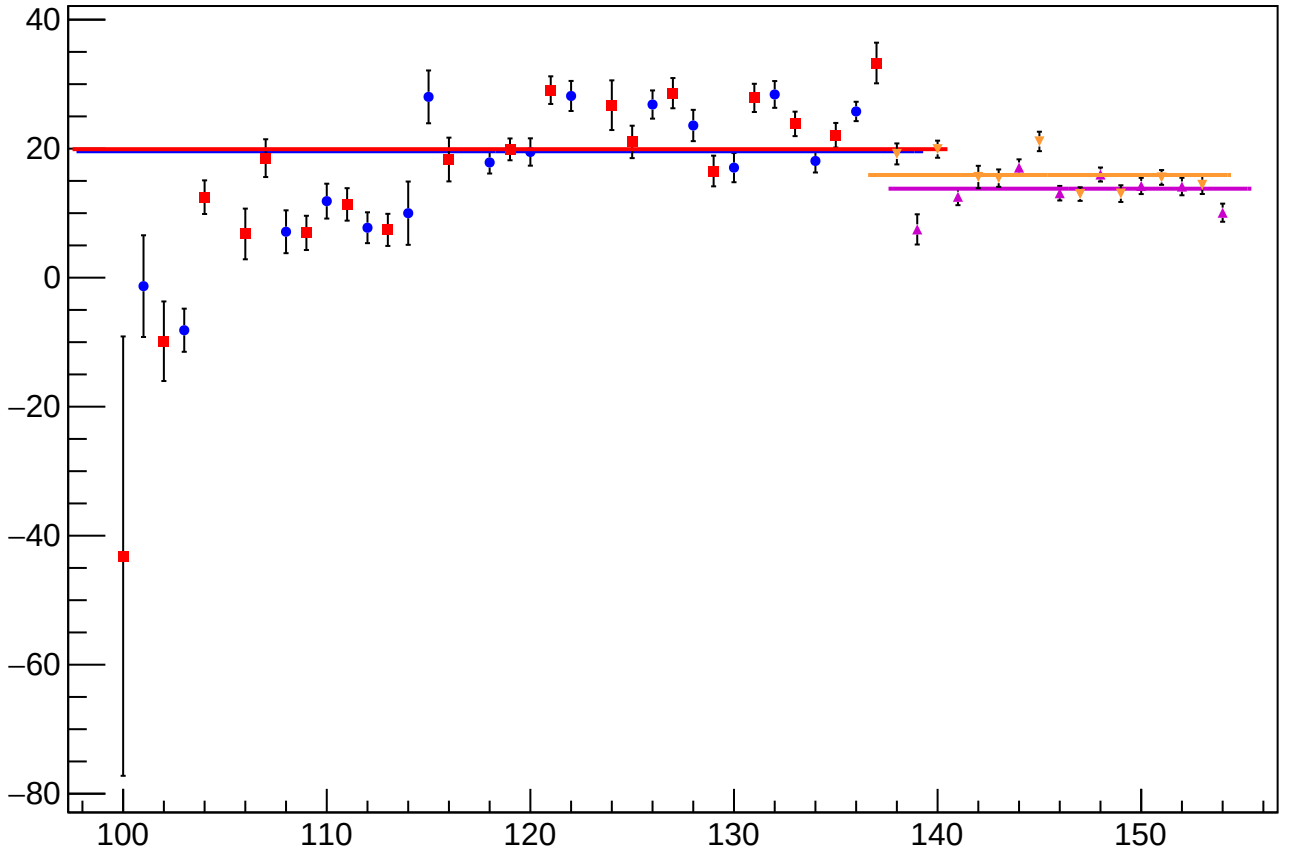
Left: 63.434+/-0.380 χ^2/NDF: 549.5/16

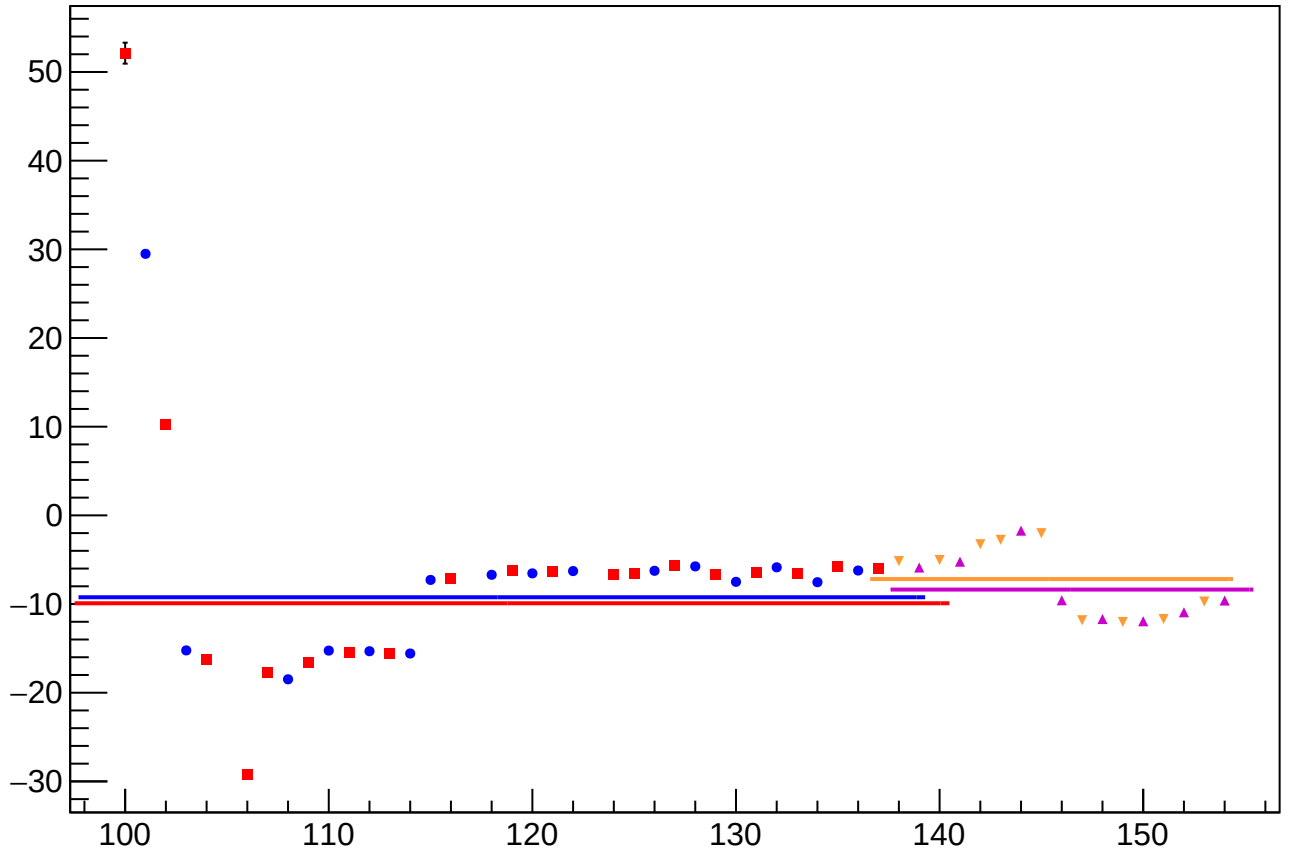
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 69.011+/-0.392 χ^2/NDF:728.0/23

Out: 67.500+/-0.386 χ^2/NDF:1190.9/27

All: 68.245+/-0.275 χ^2/NDF: 1926.5/51


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 19.598+/-0.585 χ²/NDF: 196.0/15
Left Out: 15.917+/-0.446 χ²/NDF:39.3/8
Right Out: 19.919+/-0.585 χ²/NDF: 181.3/18
Left In: 13.794+/-0.461 χ²/NDF:26.4/7
Left: 14.891+/-0.321 χ²/NDF: 76.7/16
Right: 19.759+/-0.414 χ²/NDF: 377.5/34
In: 16.018+/-0.362 χ²/NDF:283.0/23
Out: 17.387+/-0.355 χ²/NDF:250.2/27
All: 16.717+/-0.253 χ²/NDF: 540.6/51



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -7.181+/-0.022 χ^2/NDF:32364.5/8

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -8.369+/-0.021 χ^2/NDF:23508.6/7

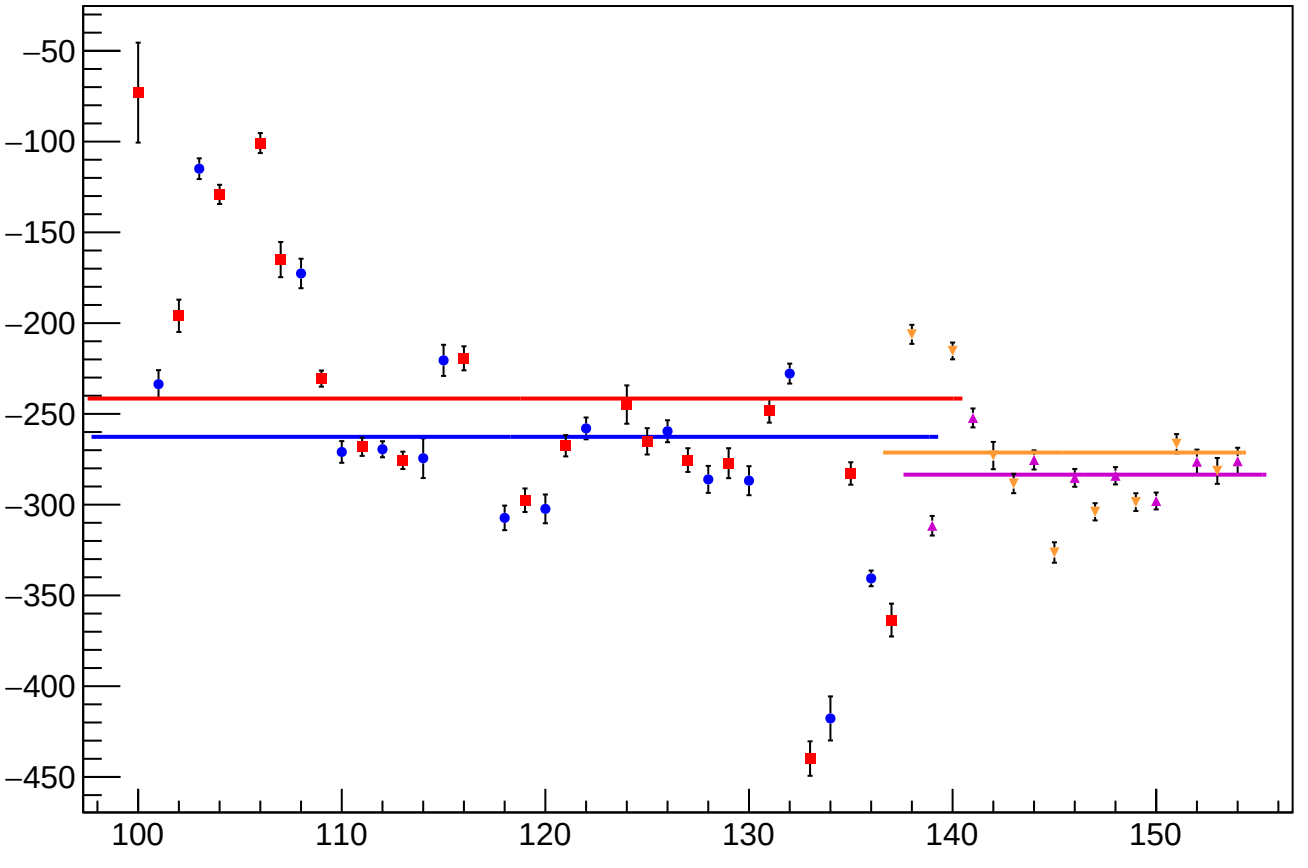
Left: -7.784+/-0.015 χ^2/NDF: 57421.9/16

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -8.623+/-0.018 χ^2/NDF:55159.2/23

Out: -7.948+/-0.018 χ^2/NDF:90754.8/27

All: -8.294+/-0.013 χ^2/NDF: 146615.4/51



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -271.294+/-1.798 χ^2/NDF:488.6/8

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -283.489+/-1.893 χ^2/NDF:77.3/7

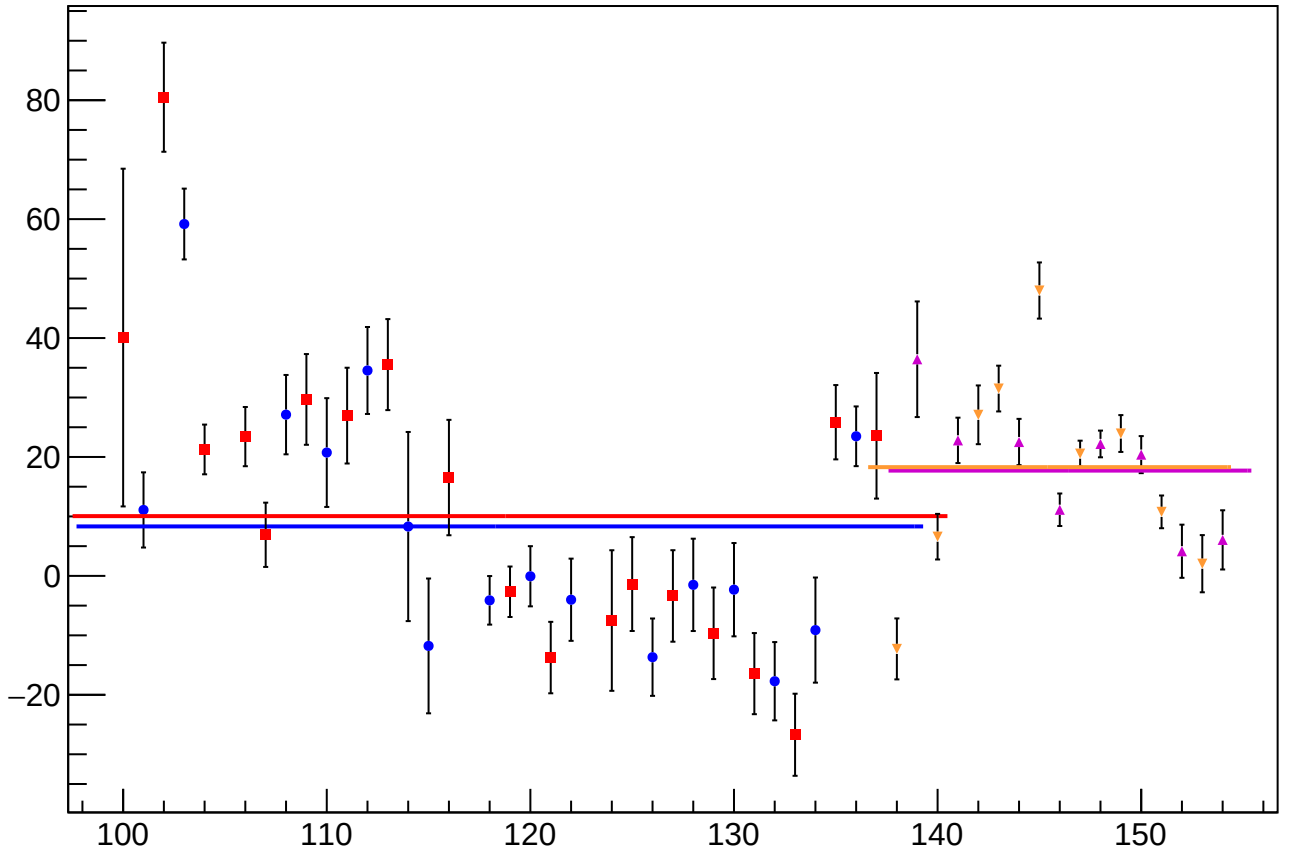
Left: -277.079+/-1.304 χ^2/NDF: 587.7/16

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -271.418+/-1.228 χ^2/NDF:1601.8/23

Out: -253.814+/-1.155 χ^2/NDF:2788.0/27

All: -262.074+/-0.841 χ^2/NDF: 4498.9/51



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: 17.708+/-1.221 χ^2/NDF:32.2/7

Left: 18.014+/-0.839 χ^2/NDF: 155.0/16

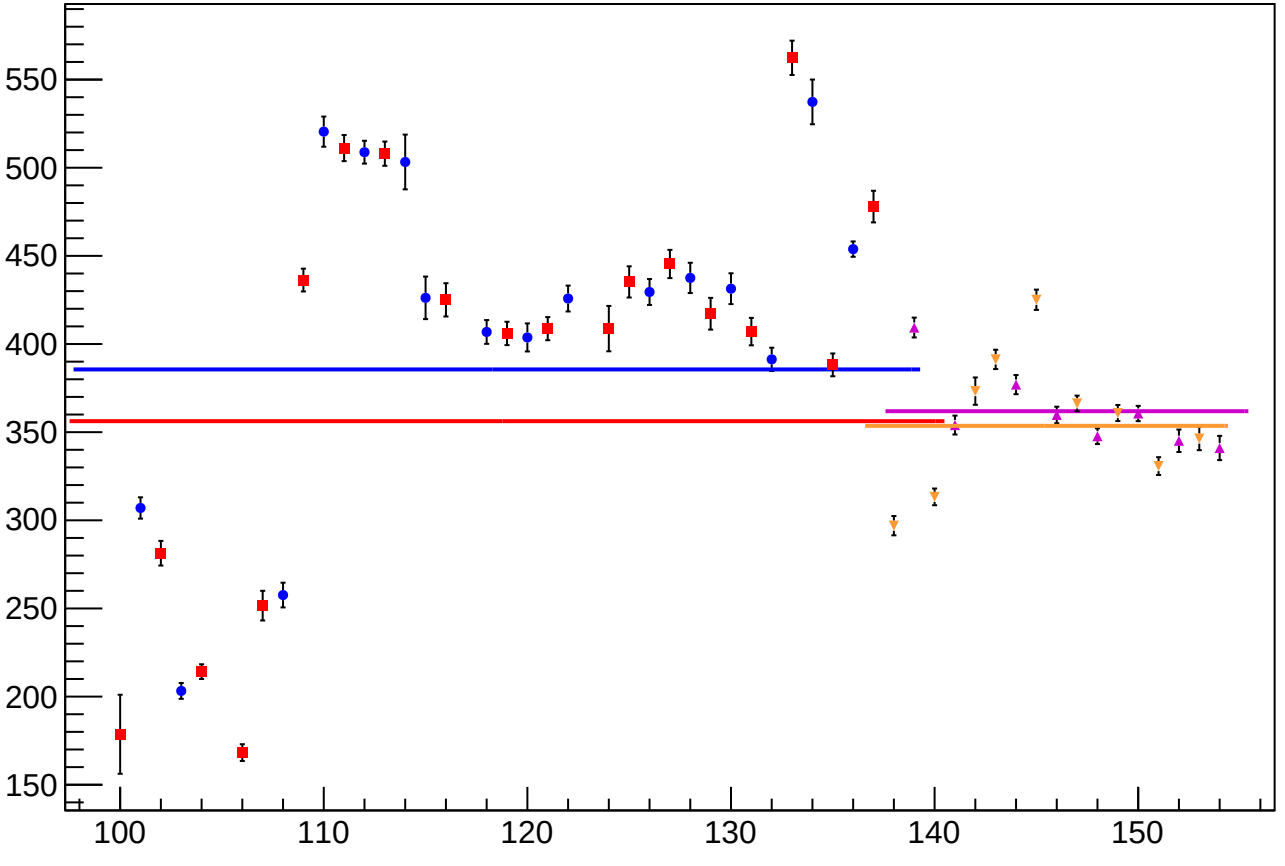
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 14.370+/-0.980 χ^2/NDF:210.9/23

Out: 15.319+/-0.924 χ^2/NDF:328.4/27

All: 14.873+/-0.672 χ^2/NDF: 539.8/51

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 353.586+/-1.769 χ^2/NDF:419.7/8

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 361.898+/-1.842 χ^2/NDF:107.5/7

Left: 357.574+/-1.276 χ^2/NDF: 537.8/16

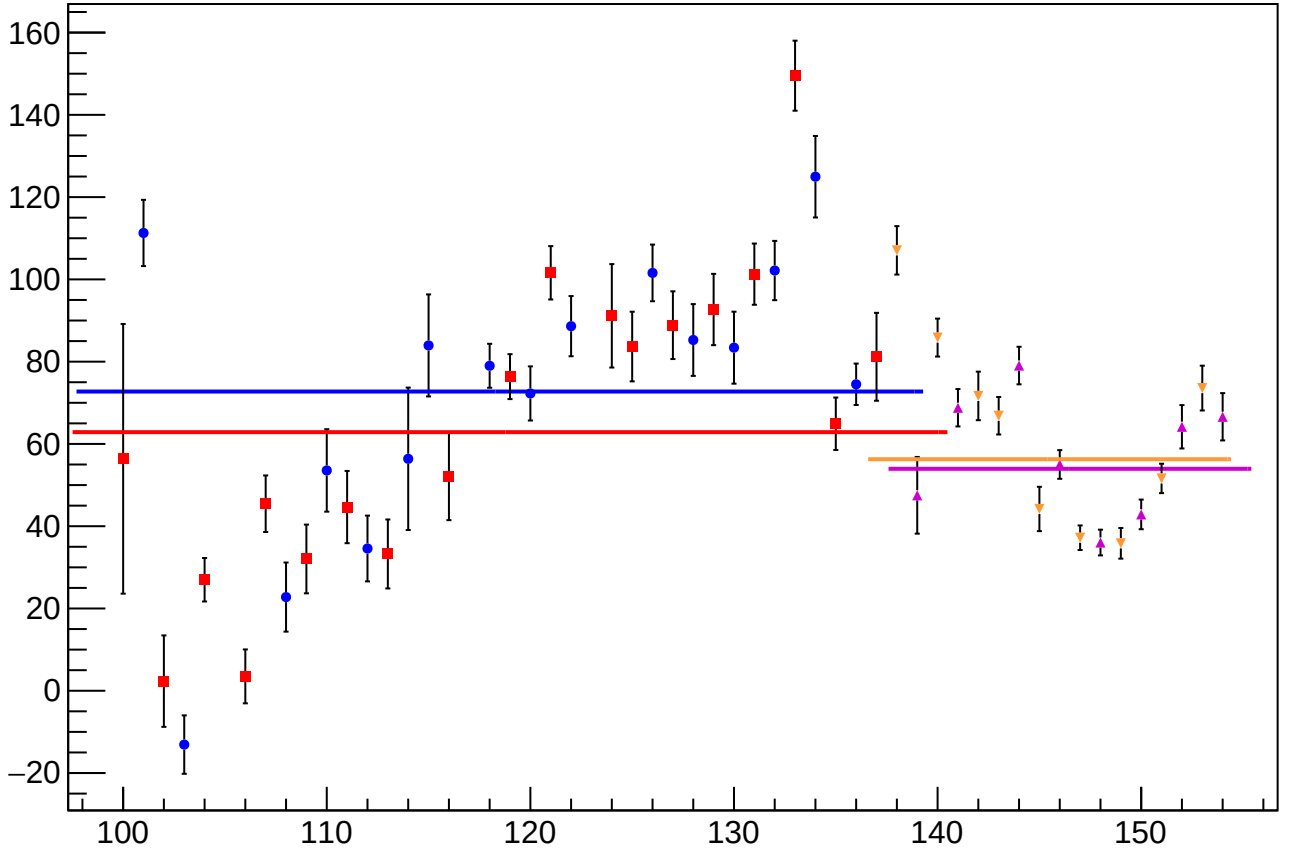
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 374.405+/-1.266 χ^2/NDF:3567.9/23

Out: 355.011+/-1.205 χ^2/NDF:5691.2/27

All: 364.233+/-0.873 χ^2/NDF: 9382.2/51

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: 53.958+/-1.515 χ^2/NDF:92.4/7

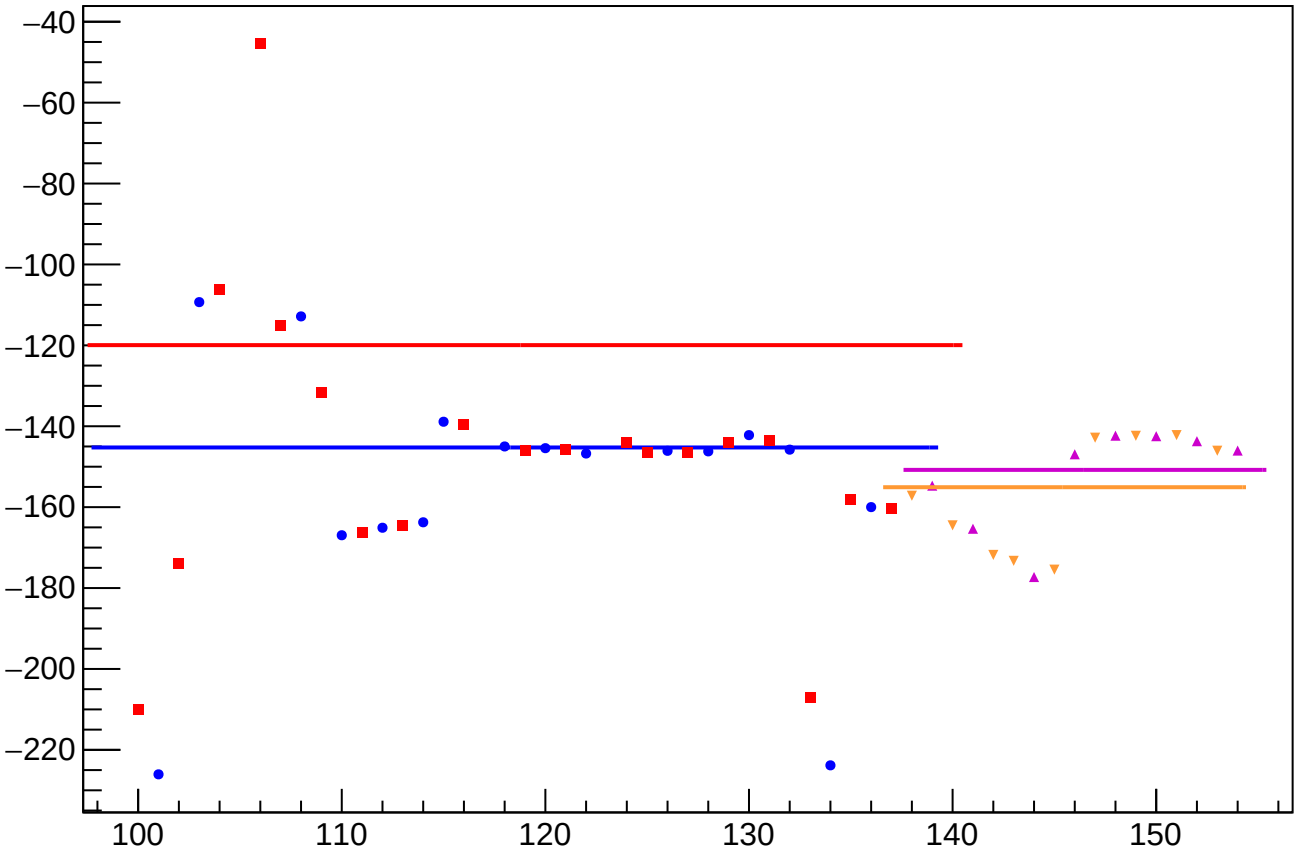
Left: 55.180+/-1.043 χ^2/NDF: 308.8/16

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 61.272+/-1.184 χ^2/NDF:456.6/23

Out: 58.858+/-1.123 χ^2/NDF:627.0/27

All: 60.001+/-0.815 χ^2/NDF: 1085.7/51



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: -150.785+/-0.073 χ^2/NDF:22777.9/7

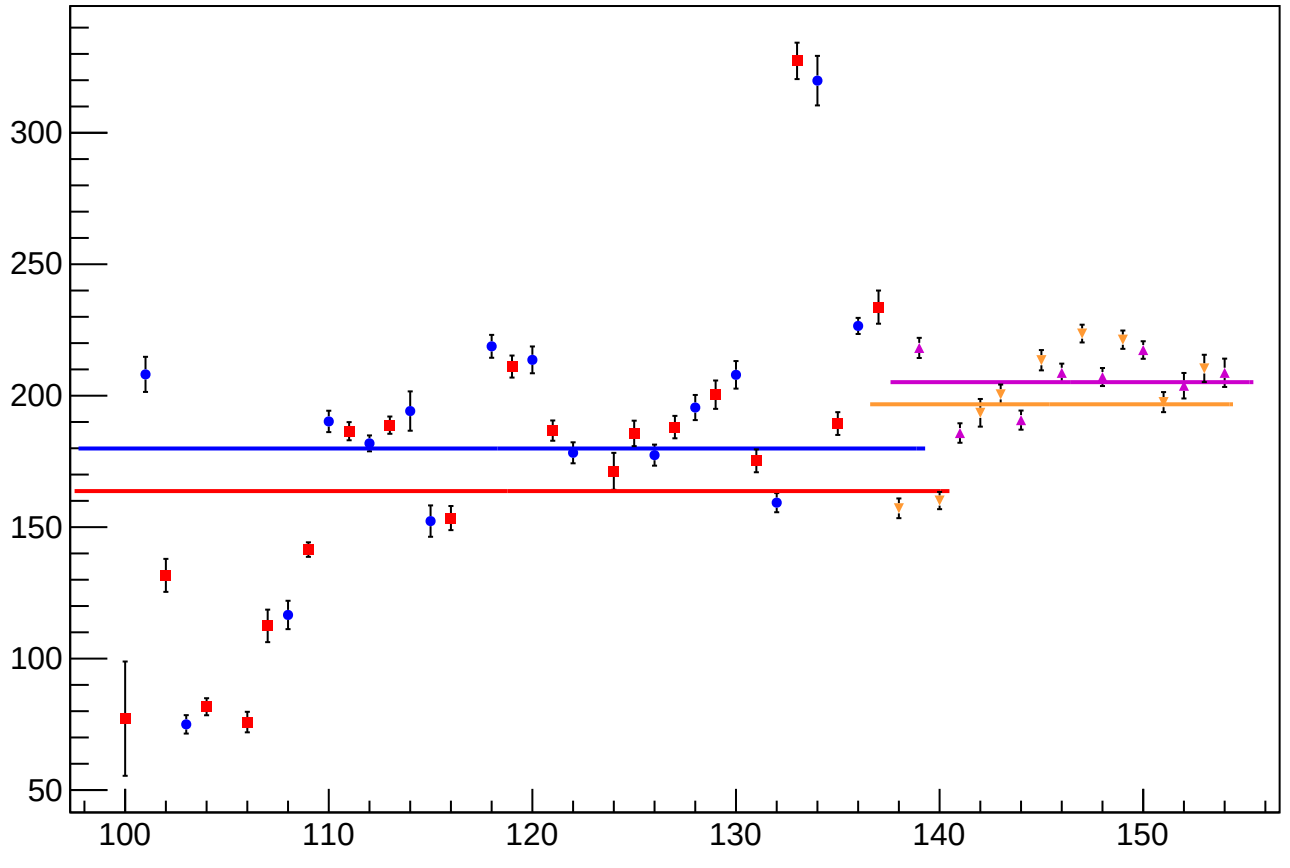
Left: -152.935+/-0.052 χ^2/NDF: 57640.1/16

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -148.814+/-0.059 χ^2/NDF:156879.0/23

Out: -140.972+/-0.056 χ^2/NDF:396788.7/27

All: -144.737+/-0.041 χ^2/NDF: 562959.9/51



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: 205.152+/-1.348 χ^2/NDF:69.9/7

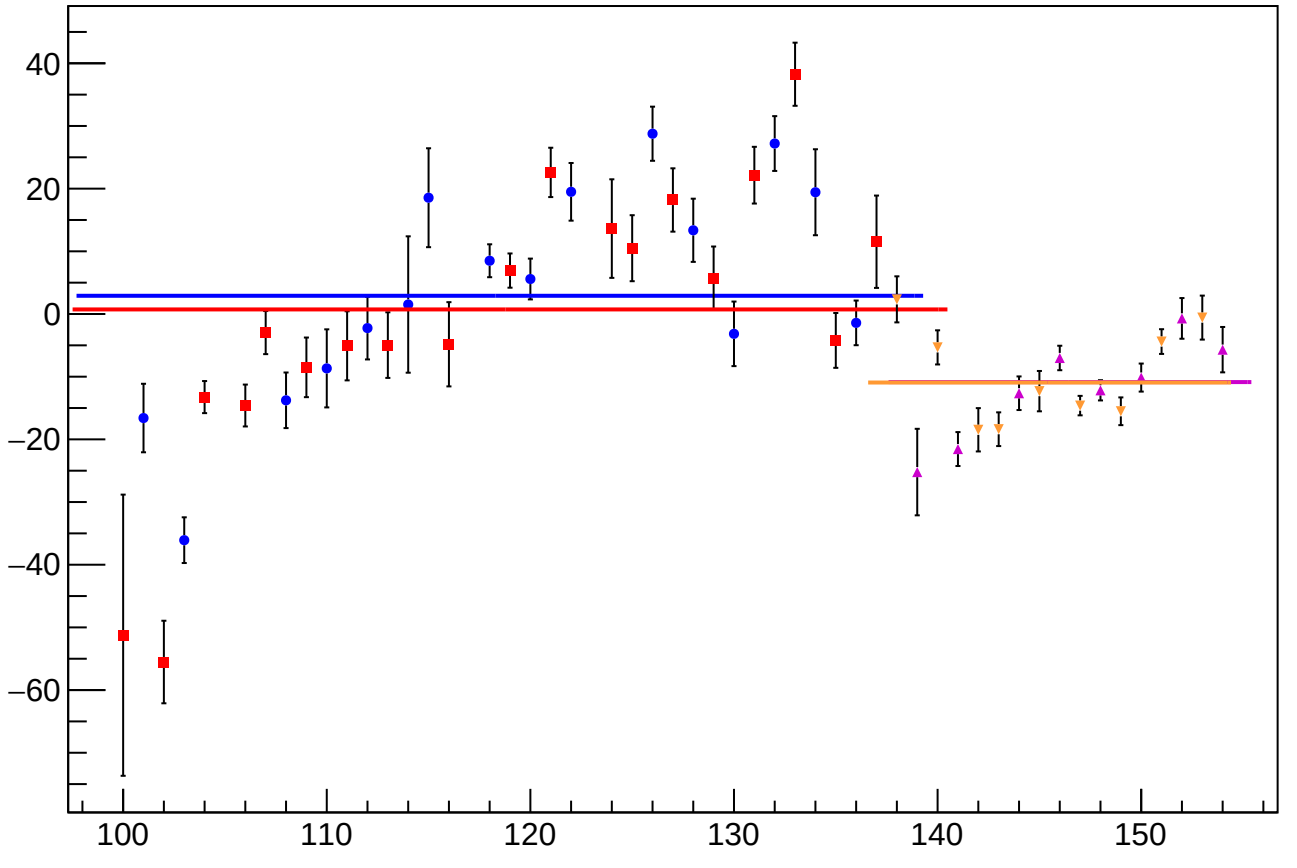
Left: 200.708+/-0.926 χ^2/NDF: 466.9/16

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 189.879+/-0.847 χ^2/NDF:2014.7/23

Out: 176.304+/-0.787 χ^2/NDF:3208.2/27

All: 182.597+/-0.577 χ^2/NDF: 5360.7/51



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.931+/-0.821 χ^2/NDF:59.5/8

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -10.861+/-0.872 χ^2/NDF:36.8/7

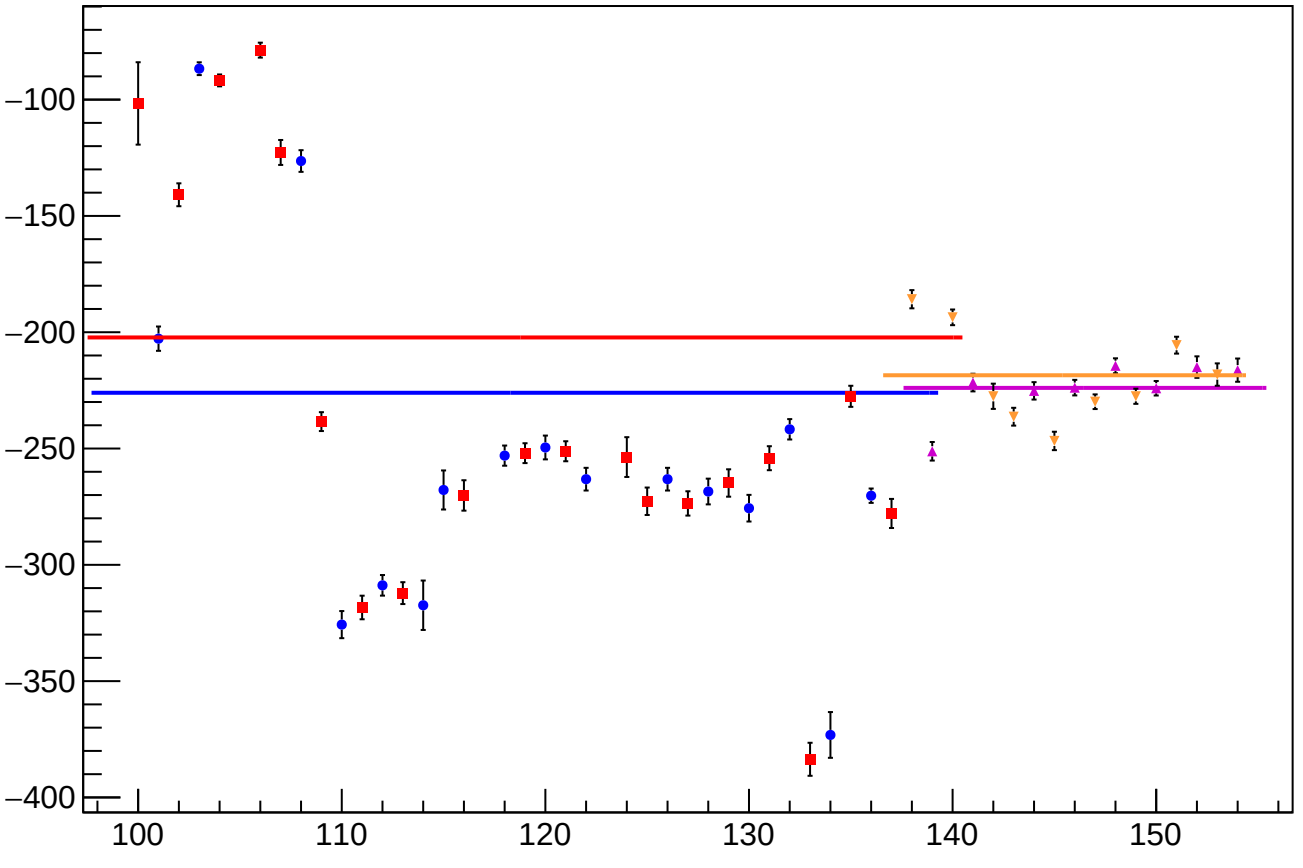
Left: -10.898+/-0.598 χ^2/NDF: 96.3/16

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -5.573+/-0.685 χ^2/NDF:380.0/23

Out: -6.306+/-0.637 χ^2/NDF:413.2/27

All: -5.966+/-0.467 χ^2/NDF: 793.8/51



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: -223.930+/-1.313 χ^2/NDF:61.9/7

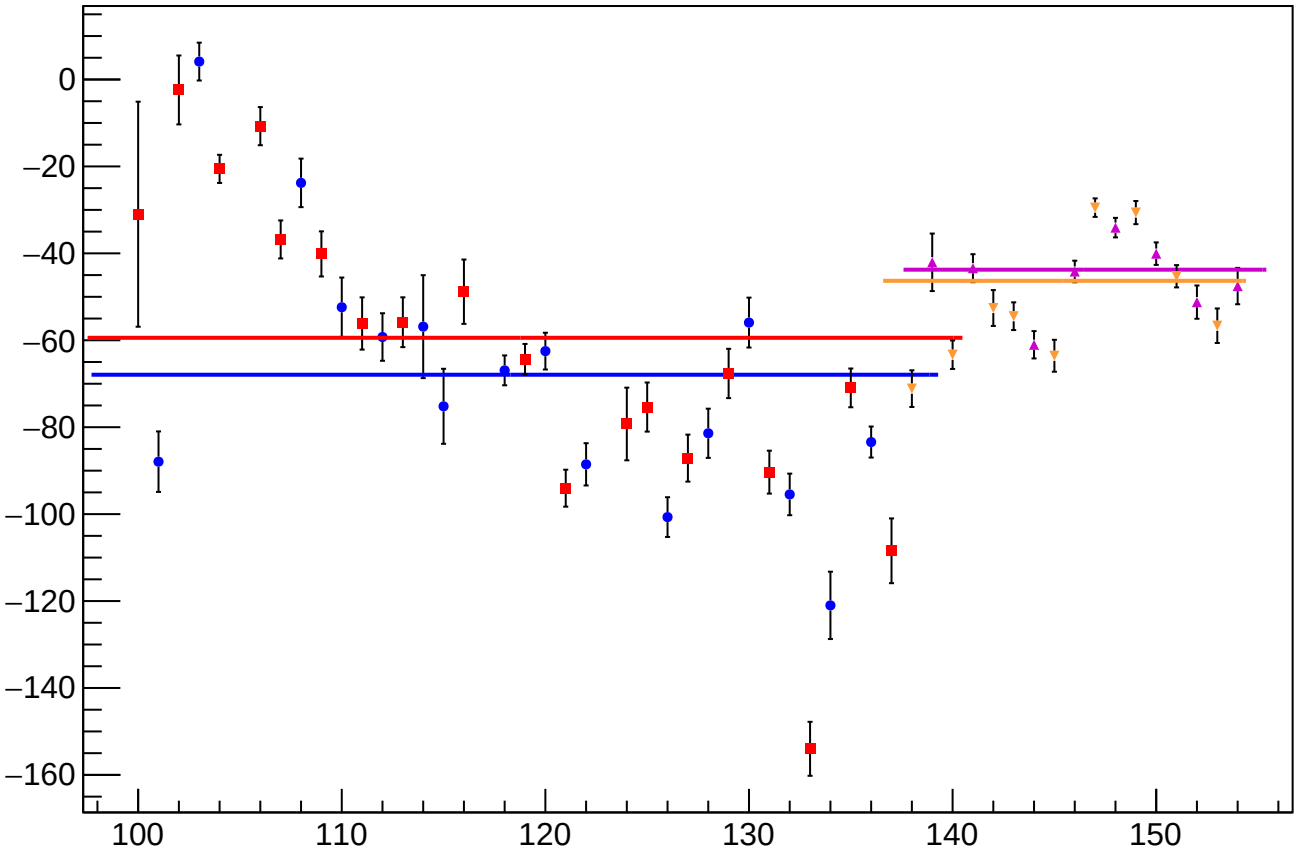
Left: -221.094+/-0.908 χ^2/NDF: 304.1/16

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -225.095+/-0.876 χ^2/NDF:4602.4/23

Out: -209.209+/-0.822 χ^2/NDF:7019.8/27

All: -216.649+/-0.599 χ^2/NDF: 11797.2/51



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -46.316+/-1.022 χ^2/NDF:196.6/8

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -43.759+/-1.081 χ^2/NDF:55.5/7

Left: -45.110+/-0.743 χ^2/NDF: 255.0/16

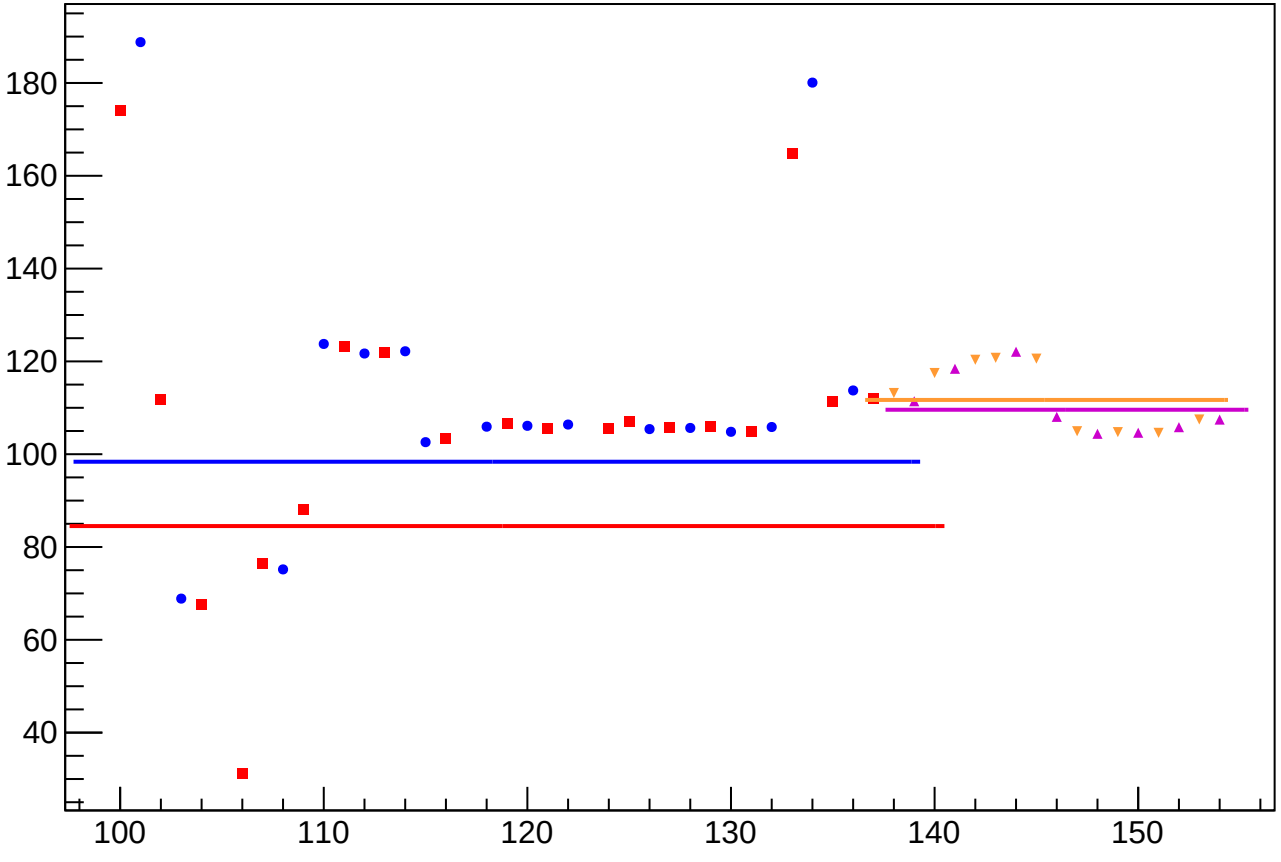
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -53.843+/-0.826 χ^2/NDF:797.9/23

Out: -51.912+/-0.774 χ^2/NDF:1061.7/27

All: -52.815+/-0.564 χ^2/NDF: 1862.5/51

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: 109.581+/-0.052 χ^2/NDF:12860.6/7

Left: 110.647+/-0.037 χ^2/NDF: 31189.6/16

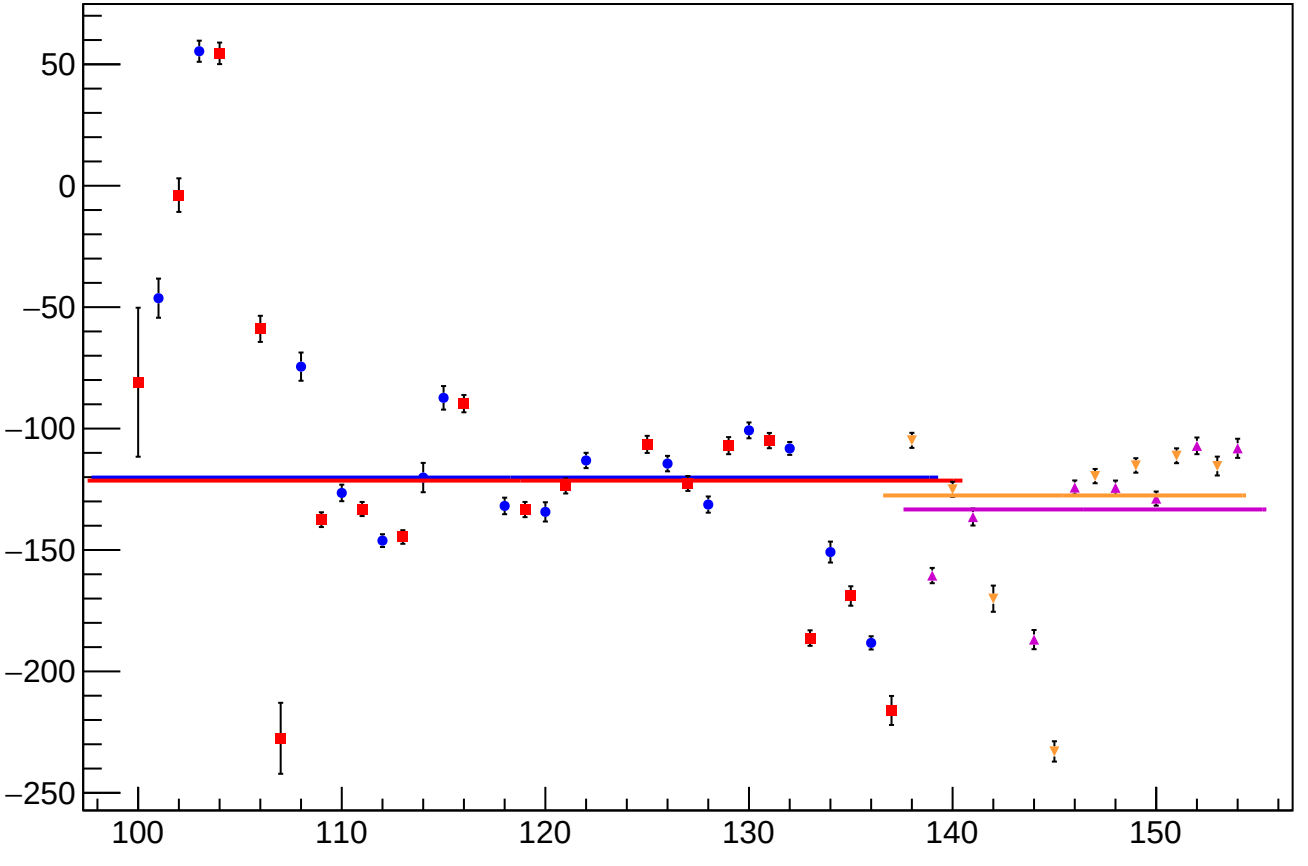
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.274+/-0.041 χ^2/NDF:258997.1/23

Out: 100.238+/-0.039 χ^2/NDF:402701.1/27

All: 102.657+/-0.028 χ^2/NDF: 669560.1/51

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -127.540+/-1.196 χ^2/NDF:813.0/7

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -133.301+/-1.159 χ^2/NDF:379.4/7

Left: -130.511+/-0.832 χ^2/NDF: 1204.3/15

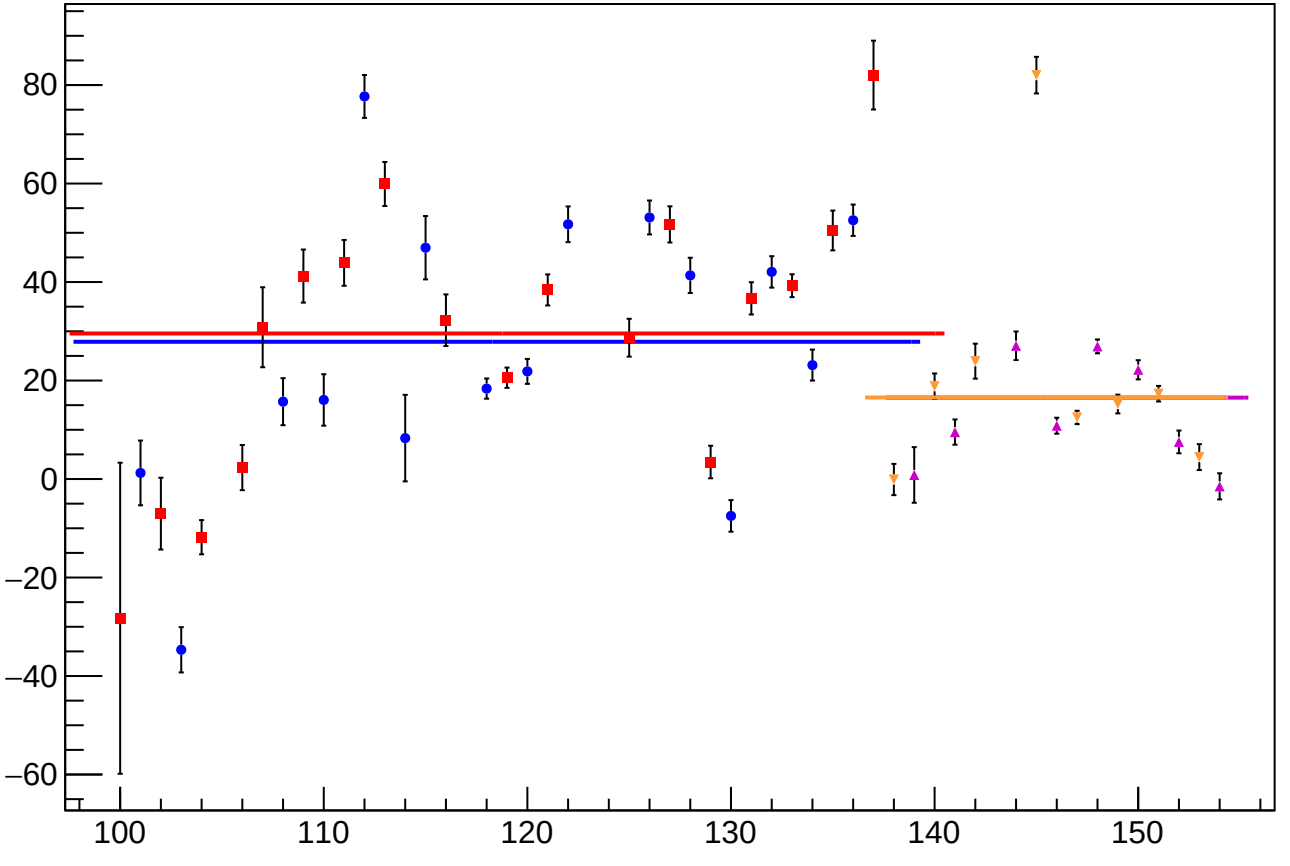
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -125.049+/-0.706 χ^2/NDF:3151.2/23

Out: -123.554+/-0.706 χ^2/NDF:3956.4/25

All: -124.302+/-0.499 χ^2/NDF: 7109.9/49

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: 16.528+/-0.750 χ^2/NDF:164.9/7

Left: 16.542+/-0.531 χ^2/NDF: 539.0/15

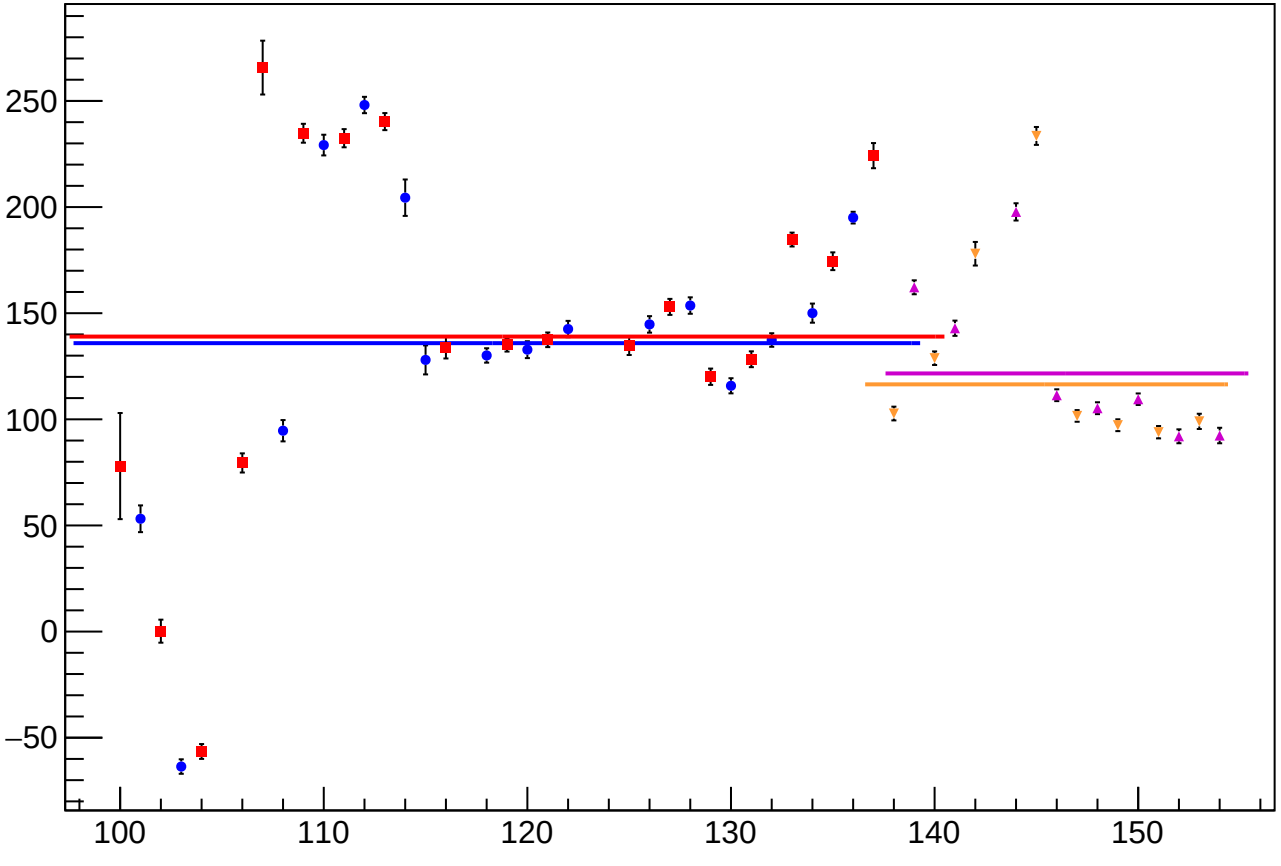
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 21.248+/-0.573 χ^2/NDF:959.8/23

Out: 21.982+/-0.575 χ^2/NDF:995.9/25

All: 21.614+/-0.406 χ^2/NDF: 1956.5/49

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: 121.619+/-1.124 χ^2/NDF:751.9/7

Left: 119.137+/-0.809 χ^2/NDF: 1846.8/15

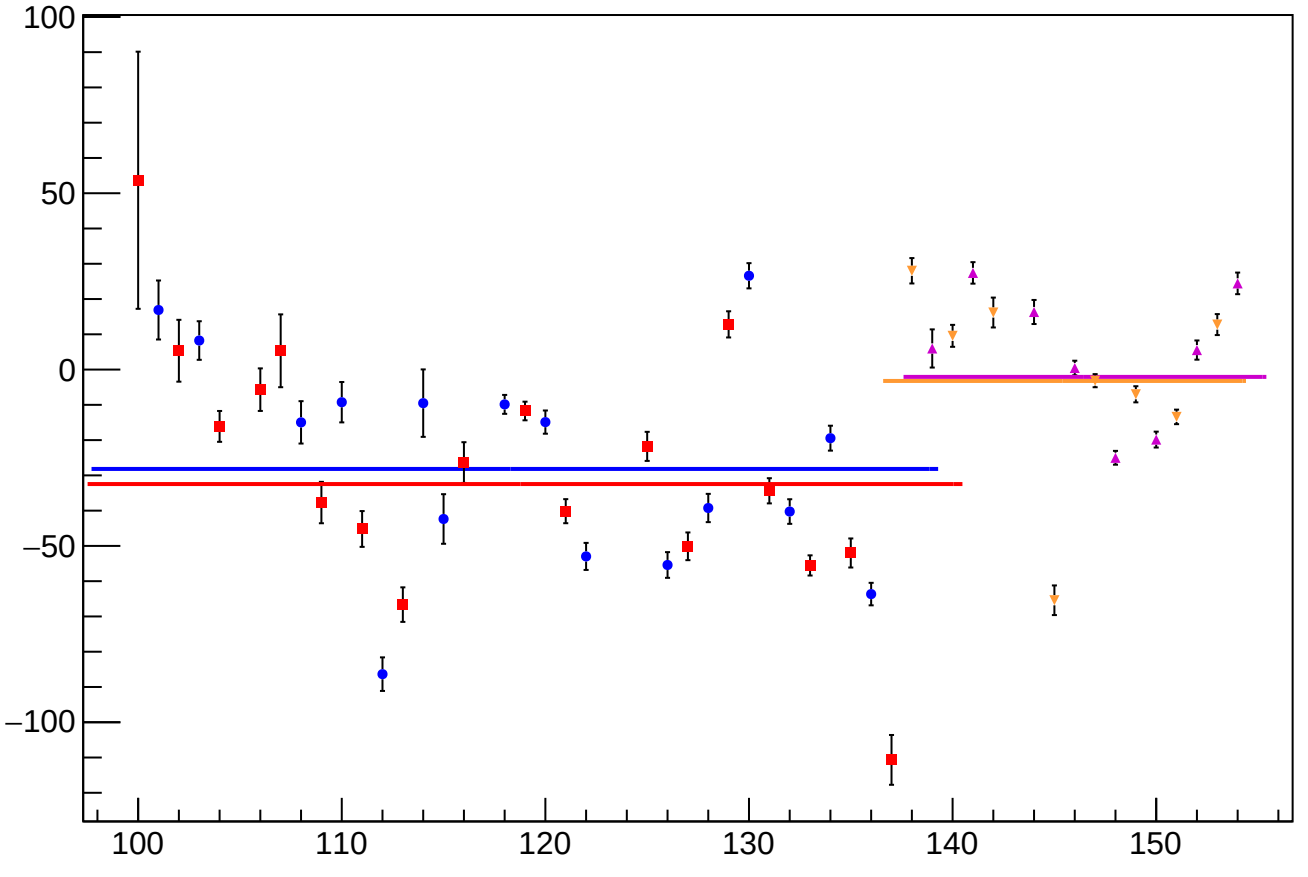
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 129.591+/-0.746 χ^2/NDF:6305.5/23

Out: 129.447+/-0.758 χ^2/NDF:7456.7/25

All: 129.520+/-0.532 χ^2/NDF: 13762.2/49

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -3.225+/-0.944 χ^2/NDF:388.2/7

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.075+/-0.928 χ^2/NDF:408.4/7

Left: -2.640+/-0.662 χ^2/NDF: 797.4/15

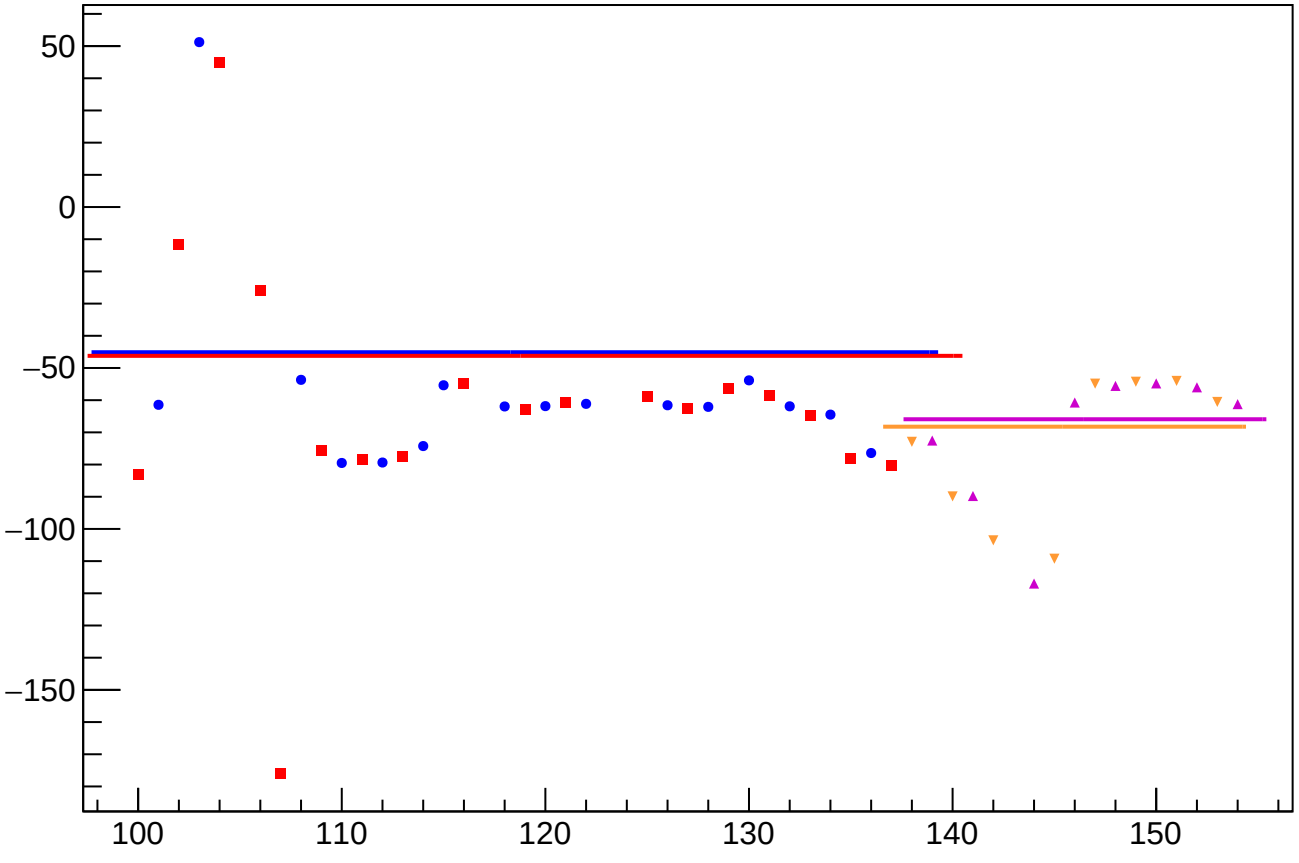
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -13.871+/-0.687 χ^2/NDF:1556.9/23

Out: -16.609+/-0.695 χ^2/NDF:1408.1/25

All: -15.224+/-0.489 χ^2/NDF: 2972.8/49

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: -65.926+/-0.044 χ^2/NDF:136690.2/7

Left: -66.995+/-0.032 χ^2/NDF: 292690.3/15

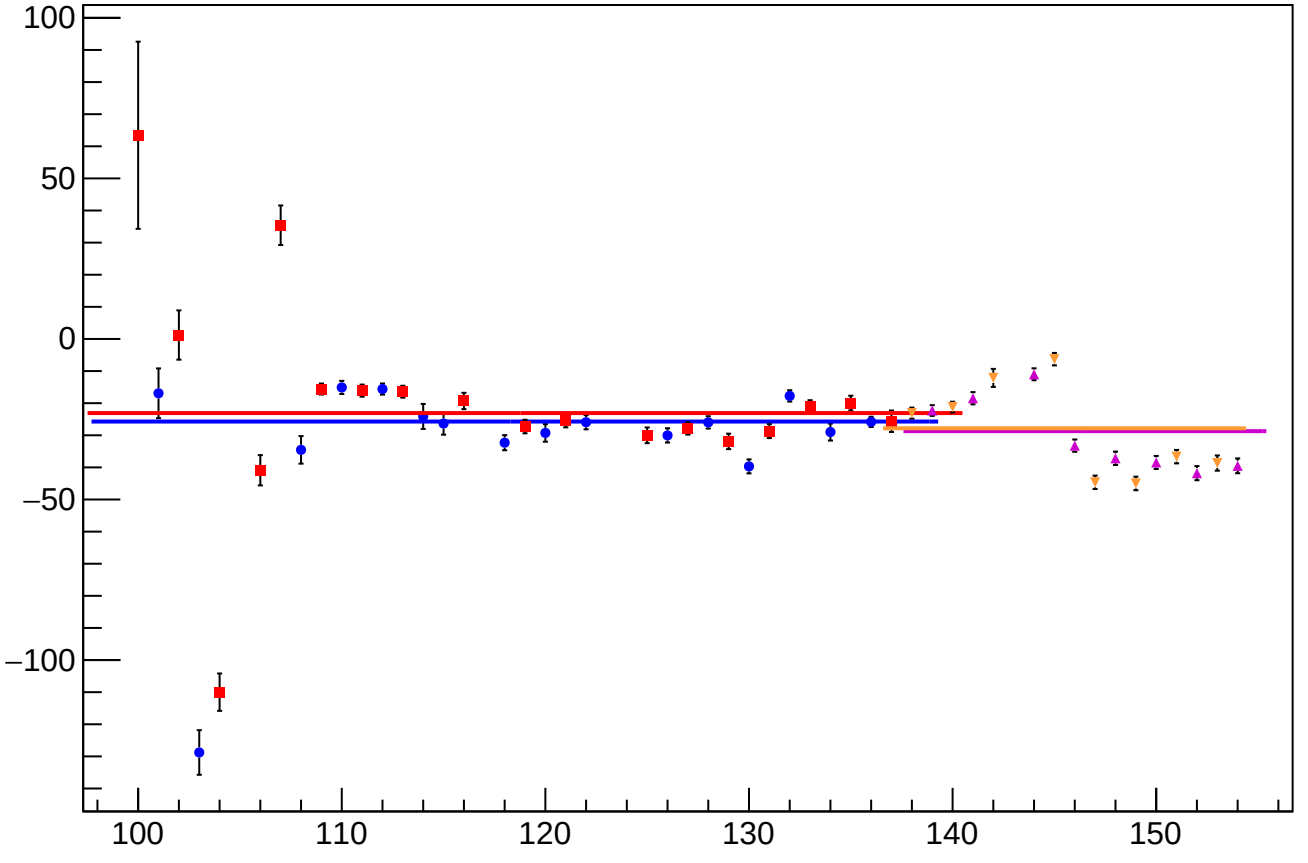
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.680+/-0.035 χ^2/NDF:790029.7/23

Out: -60.235+/-0.038 χ^2/NDF:727017.8/25

All: -59.410+/-0.026 χ^2/NDF: 1517948.3/49

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: -28.712+/-0.697 χ^2/NDF:236.6/7

Left: -28.281+/-0.500 χ^2/NDF: 583.5/15

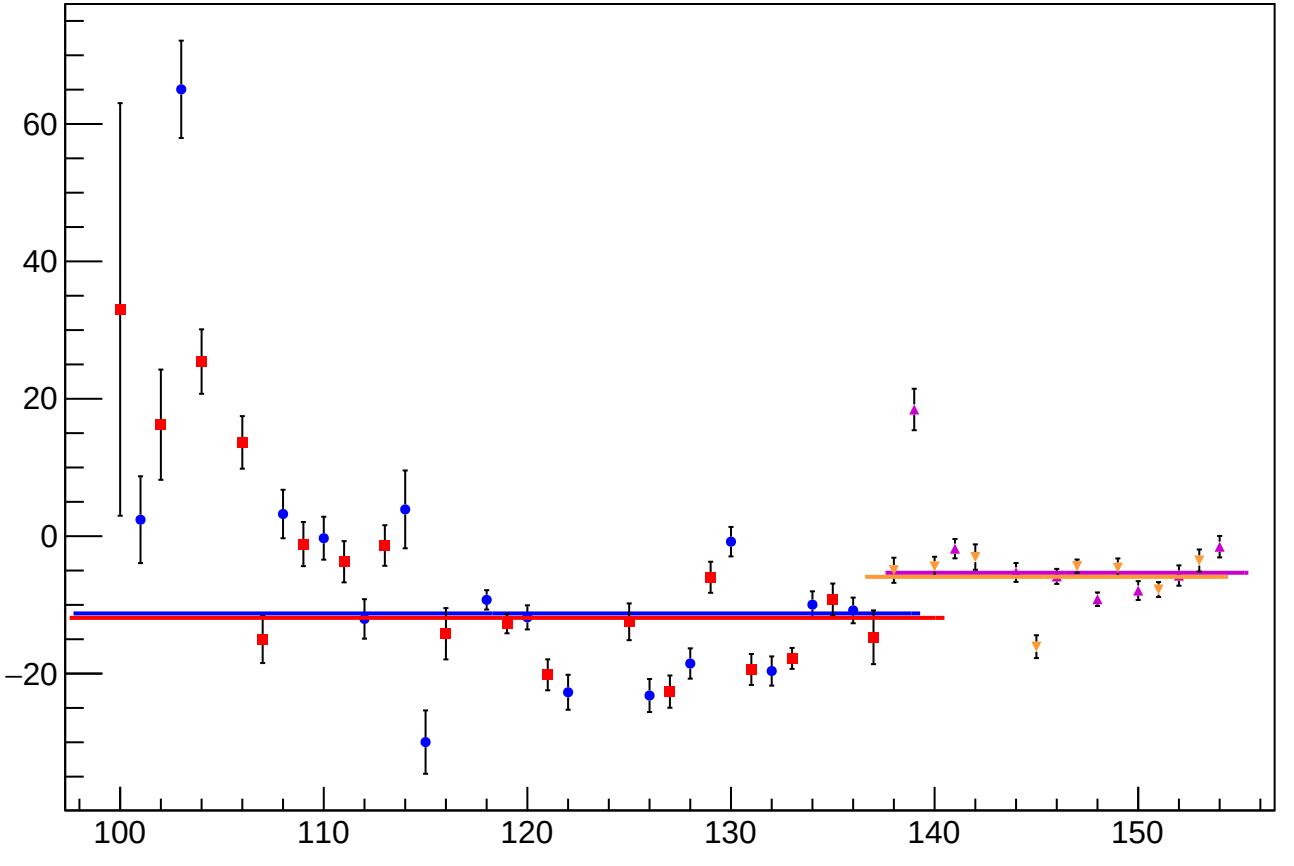
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -26.971+/-0.450 χ^2/NDF:610.3/23

Out: -24.958+/-0.452 χ^2/NDF:809.6/25

All: -25.968+/-0.319 χ^2/NDF: 1429.9/49

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: -5.325+/-0.476 χ^2/NDF:93.3/7

Left: -5.620+/-0.339 χ^2/NDF: 143.9/15

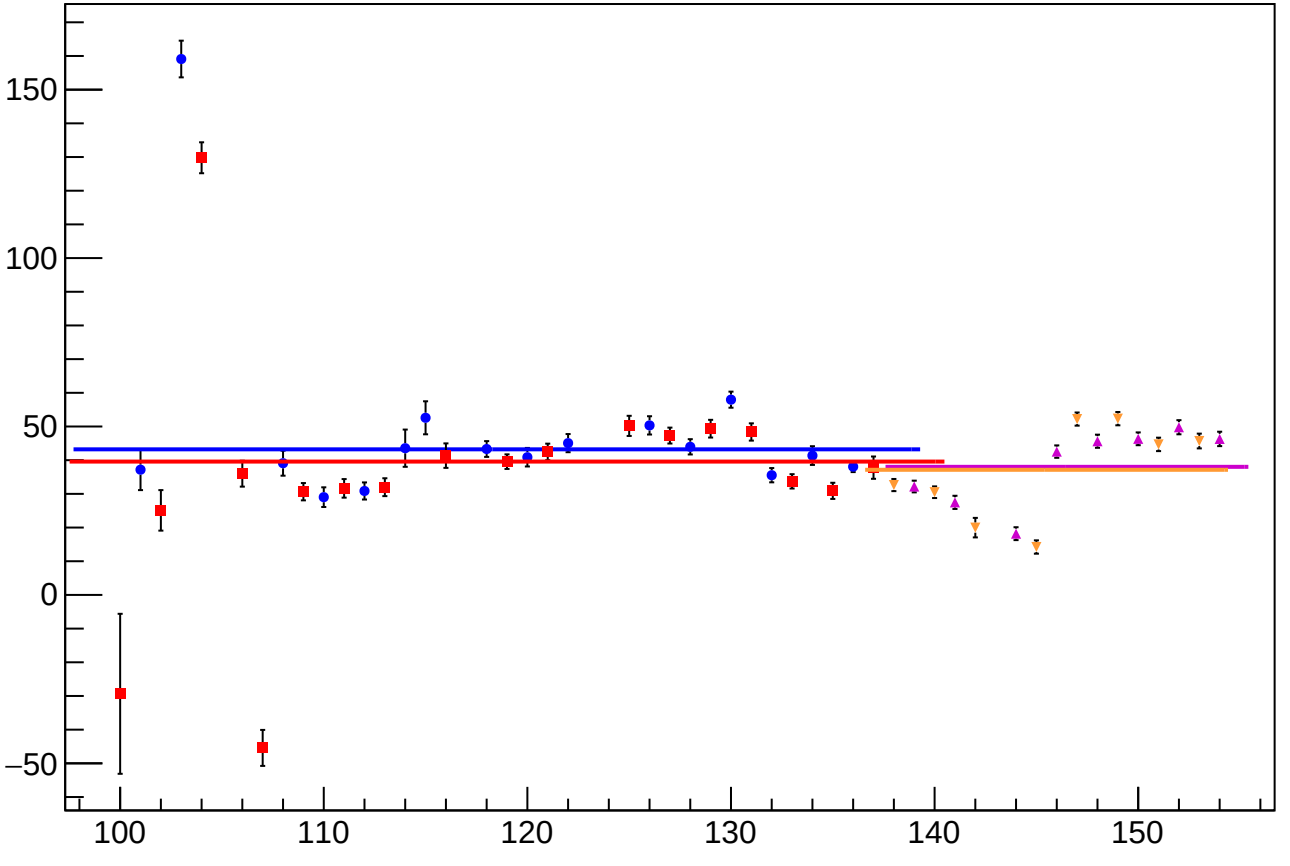
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.613+/-0.373 χ^2/NDF:424.2/23

Out: -8.229+/-0.377 χ^2/NDF:333.6/25

All: -7.917+/-0.265 χ^2/NDF: 759.1/49

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: 38.027+/-0.683 χ^2/NDF:234.5/7

Left: 37.603+/-0.492 χ^2/NDF: 573.5/15

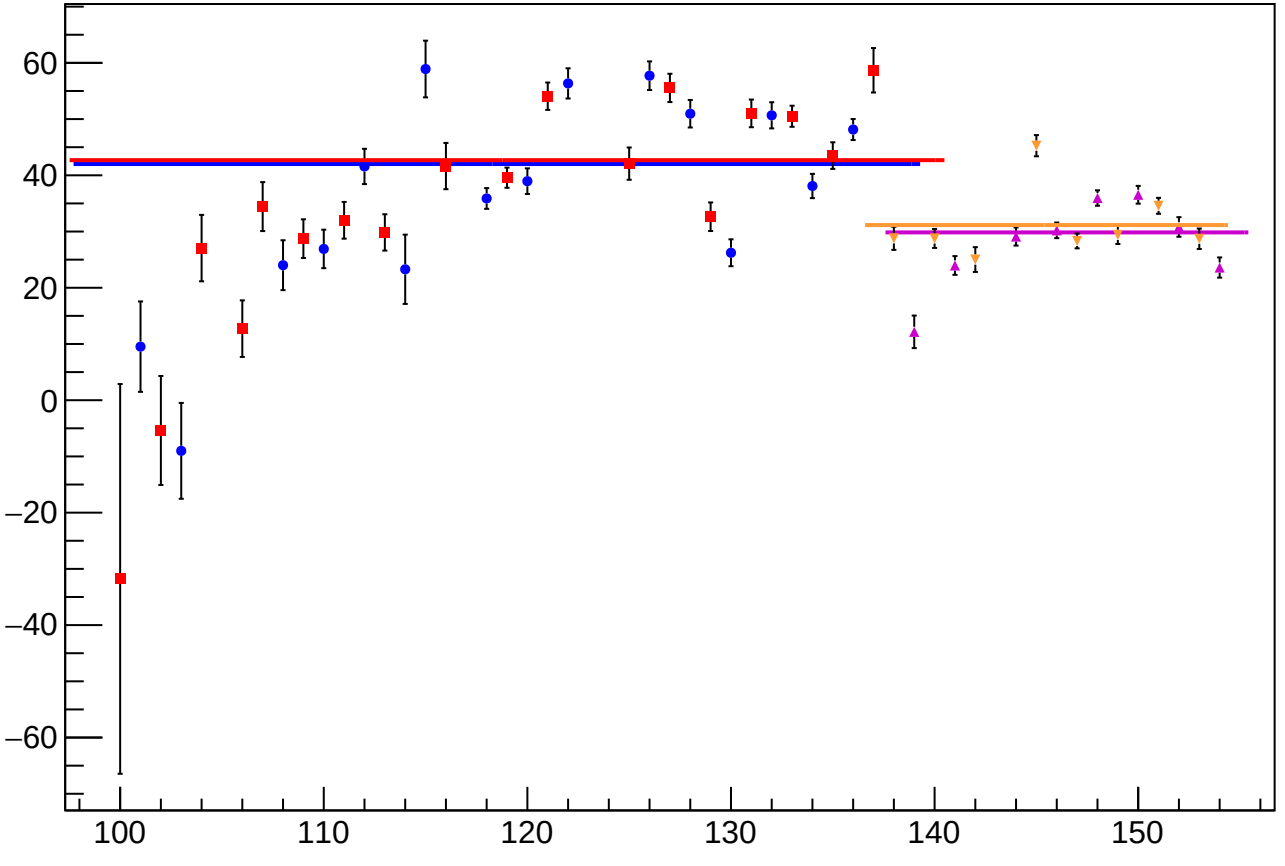
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 40.643+/-0.481 χ^2/NDF:839.6/23

Out: 38.409+/-0.492 χ^2/NDF:1098.3/25

All: 39.552+/-0.344 χ^2/NDF: 1948.5/49

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: 29.844+/-0.582 χ^2/NDF:100.3/7

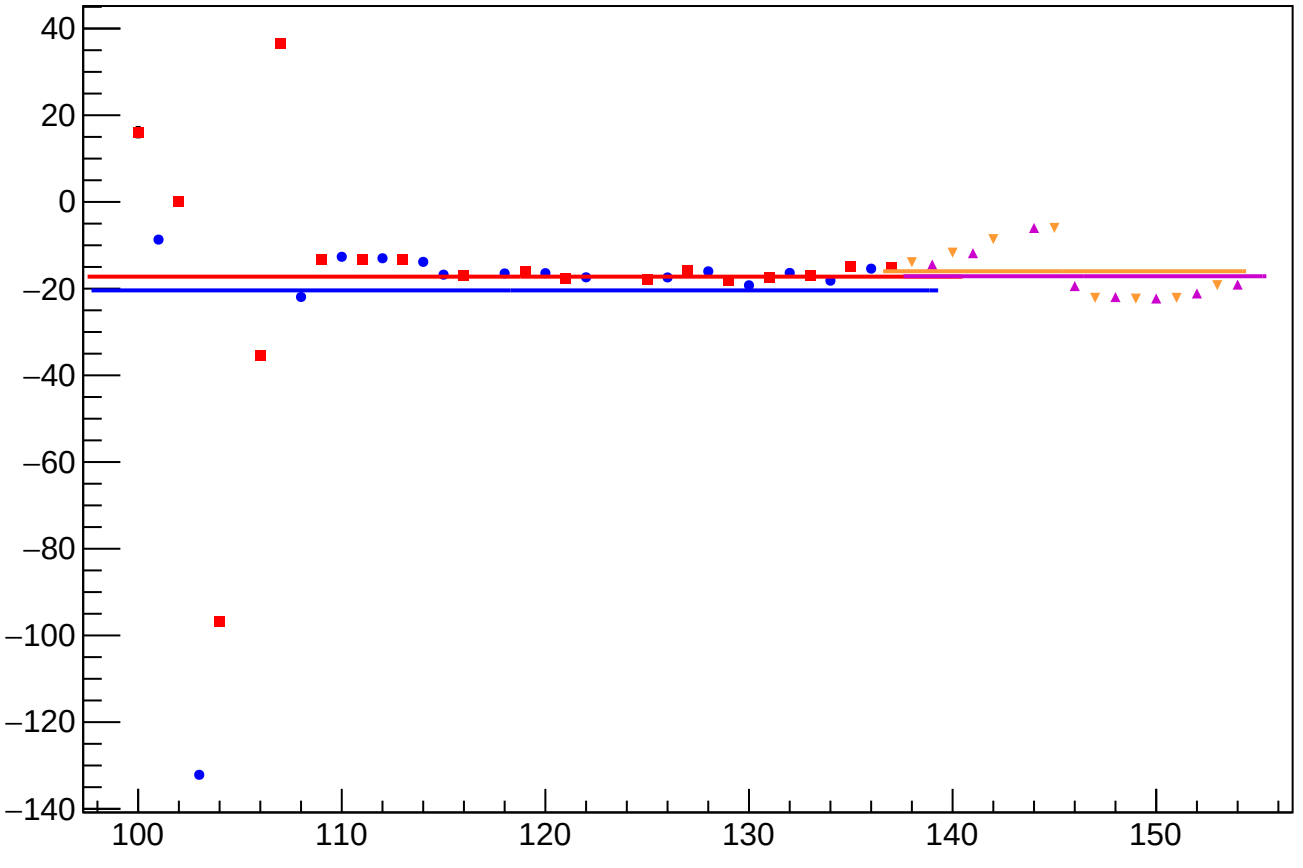
Left: 30.484+/-0.416 χ^2/NDF: 183.3/15

Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 34.950+/-0.443 χ^2/NDF:556.6/23

Out: 36.032+/-0.452 χ^2/NDF:470.2/25

All: 35.481+/-0.316 χ^2/NDF: 1029.7/49



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: -17.141+/-0.027 χ^2/NDF:35812.6/7

Left: -16.606+/-0.019 χ^2/NDF: 79818.1/15

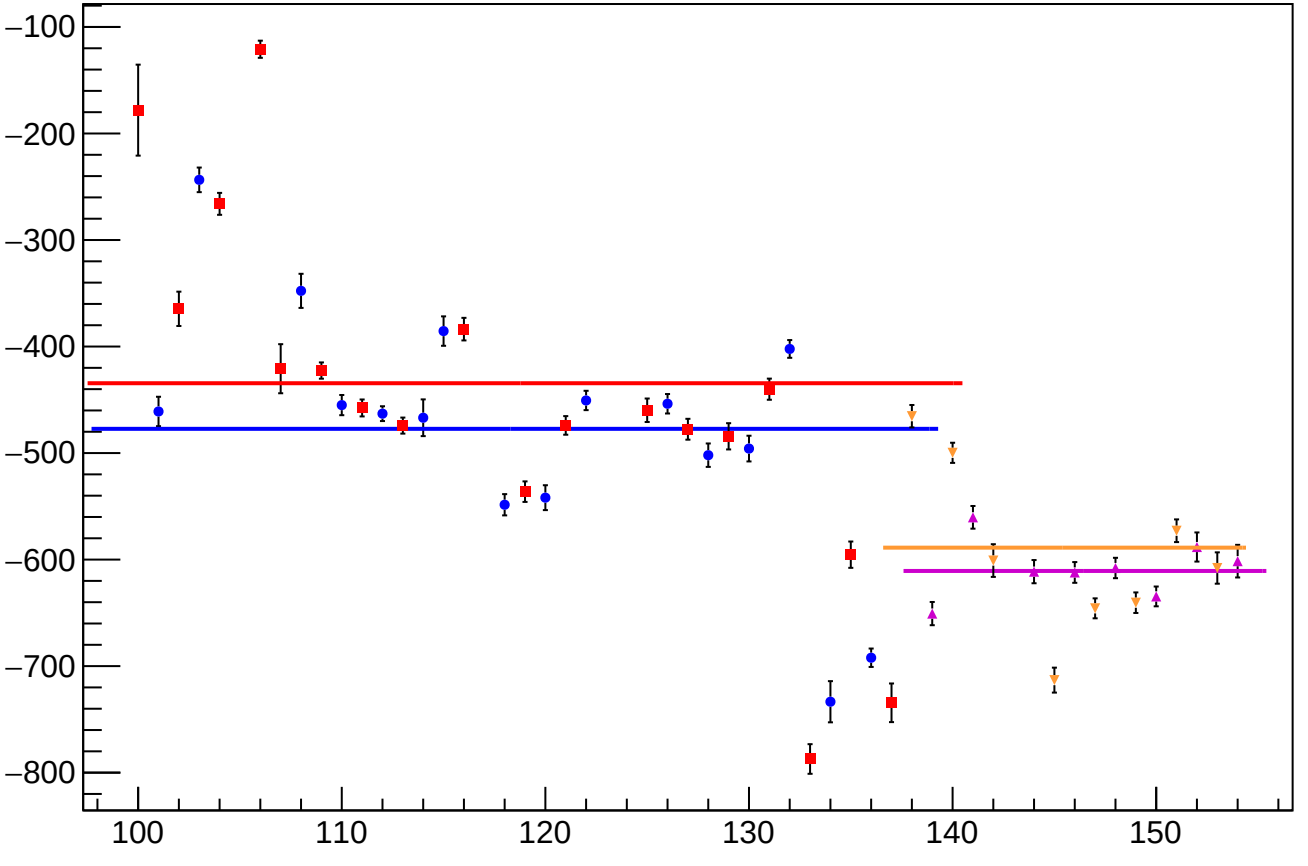
Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -18.081+/-0.022 χ^2/NDF:285742.3/23

Out: -16.359+/-0.024 χ^2/NDF:248357.1/25

All: -17.276+/-0.016 χ^2/NDF: 536842.8/49

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -588.794+/-3.854 χ^2/NDF:409.3/7

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -610.669+/-3.825 χ^2/NDF:45.6/7

Left: -599.814+/-2.715 χ^2/NDF: 471.2/15

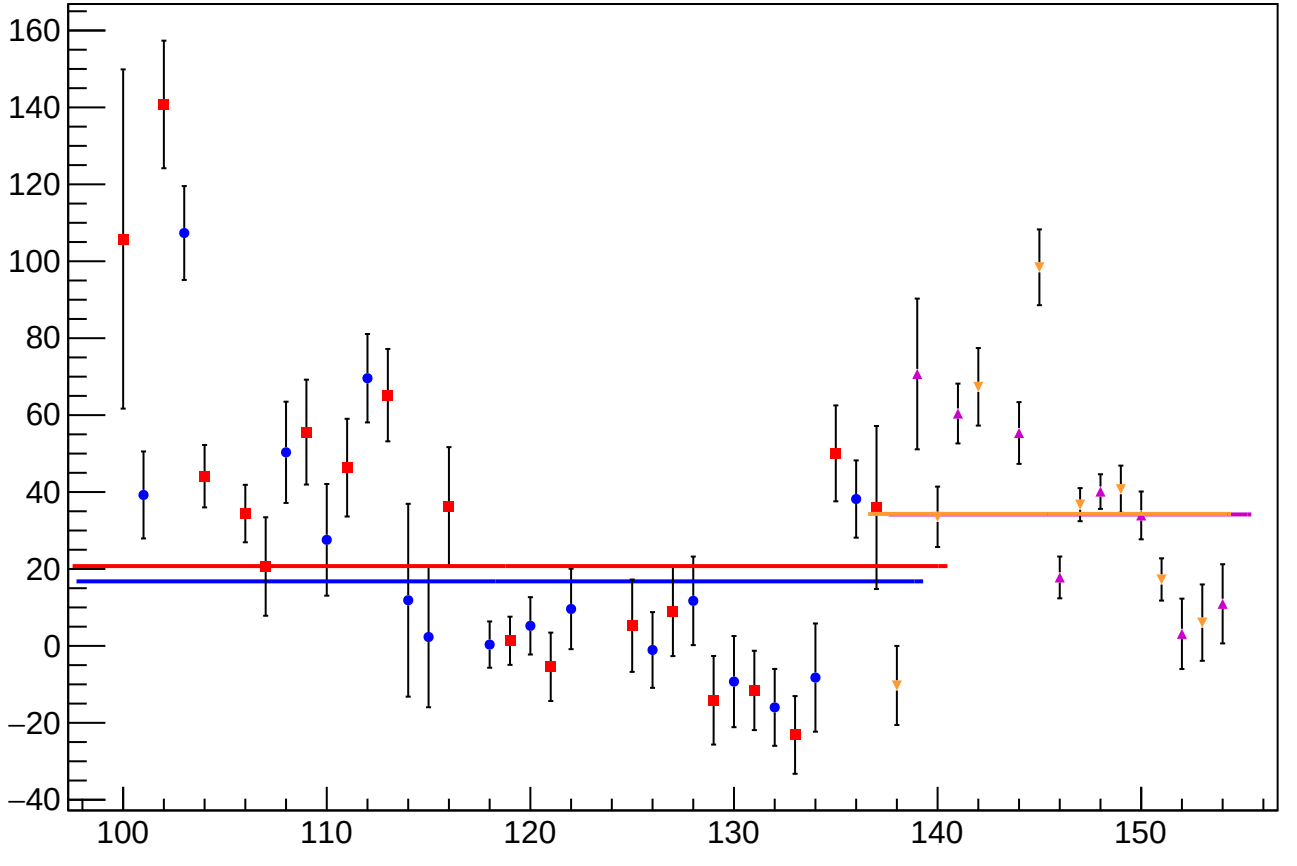
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -520.151+/-2.169 χ^2/NDF:2381.9/23

Out: -479.220+/-2.076 χ^2/NDF:4709.9/25

All: -498.789+/-1.500 χ^2/NDF: 7277.7/49

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: 34.176+/-2.461 χ^2/NDF:49.3/7

Left: 34.248+/-1.728 χ^2/NDF: 140.3/15

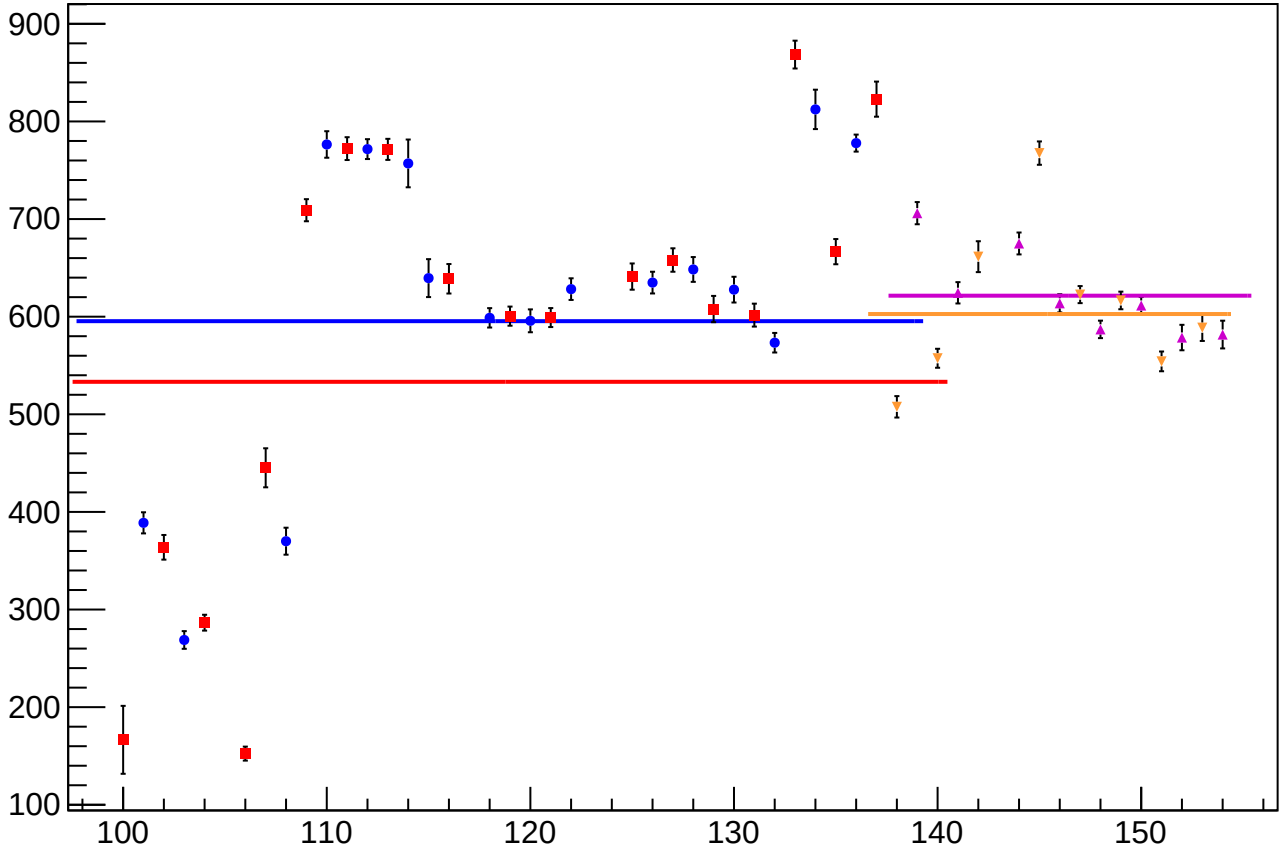
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 26.135+/-1.805 χ^2/NDF:197.3/23

Out: 27.864+/-1.758 χ^2/NDF:263.9/25

All: 27.023+/-1.259 χ^2/NDF: 461.7/49

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: 621.507+/-3.721 χ^2/NDF:113.7/7

Left: 612.232+/-2.648 χ^2/NDF: 458.3/15

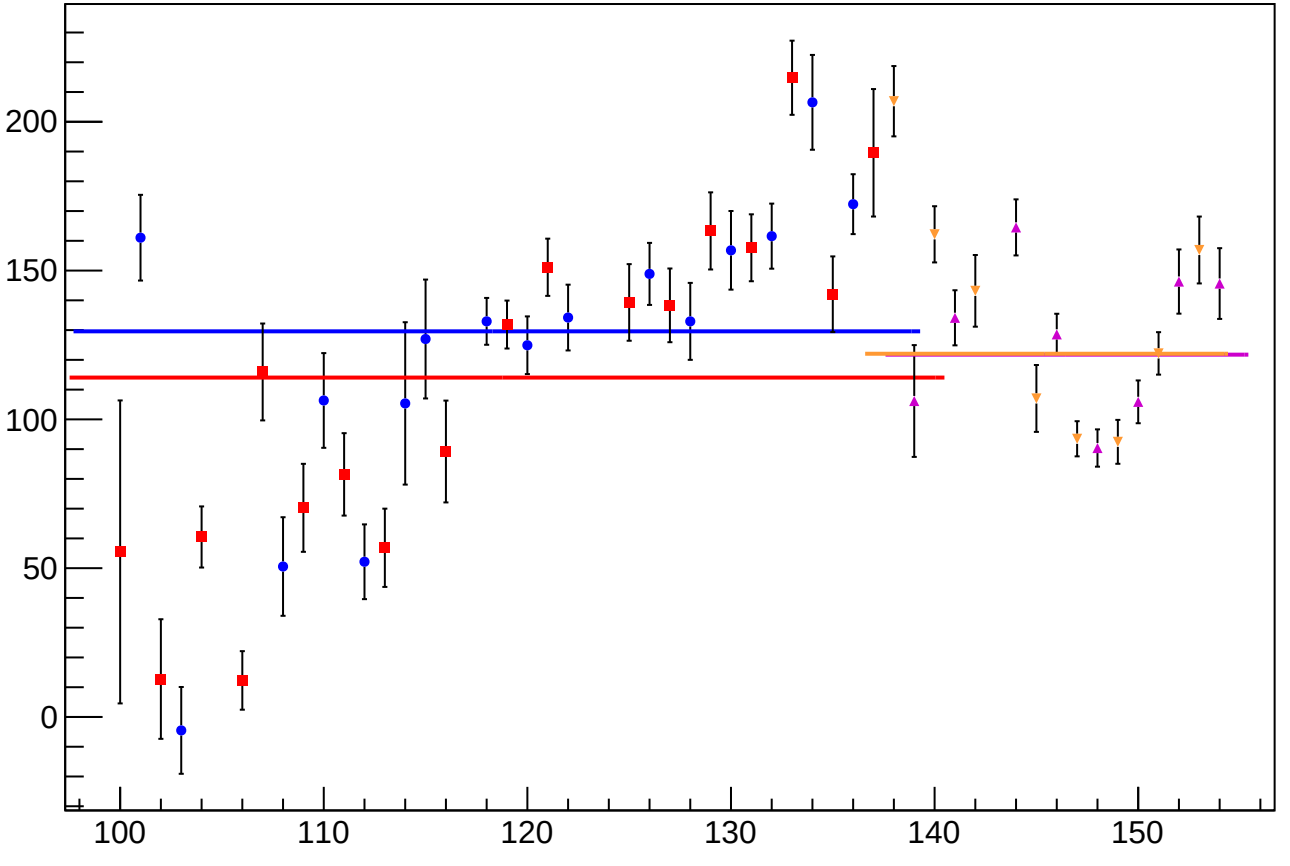
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 605.394+/-2.302 χ^2/NDF:3203.8/23

Out: 557.371+/-2.219 χ^2/NDF:7056.7/25

All: 580.505+/-1.598 χ^2/NDF: 10486.1/49

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: 121.746+/-3.056 χ^2/NDF:63.2/7

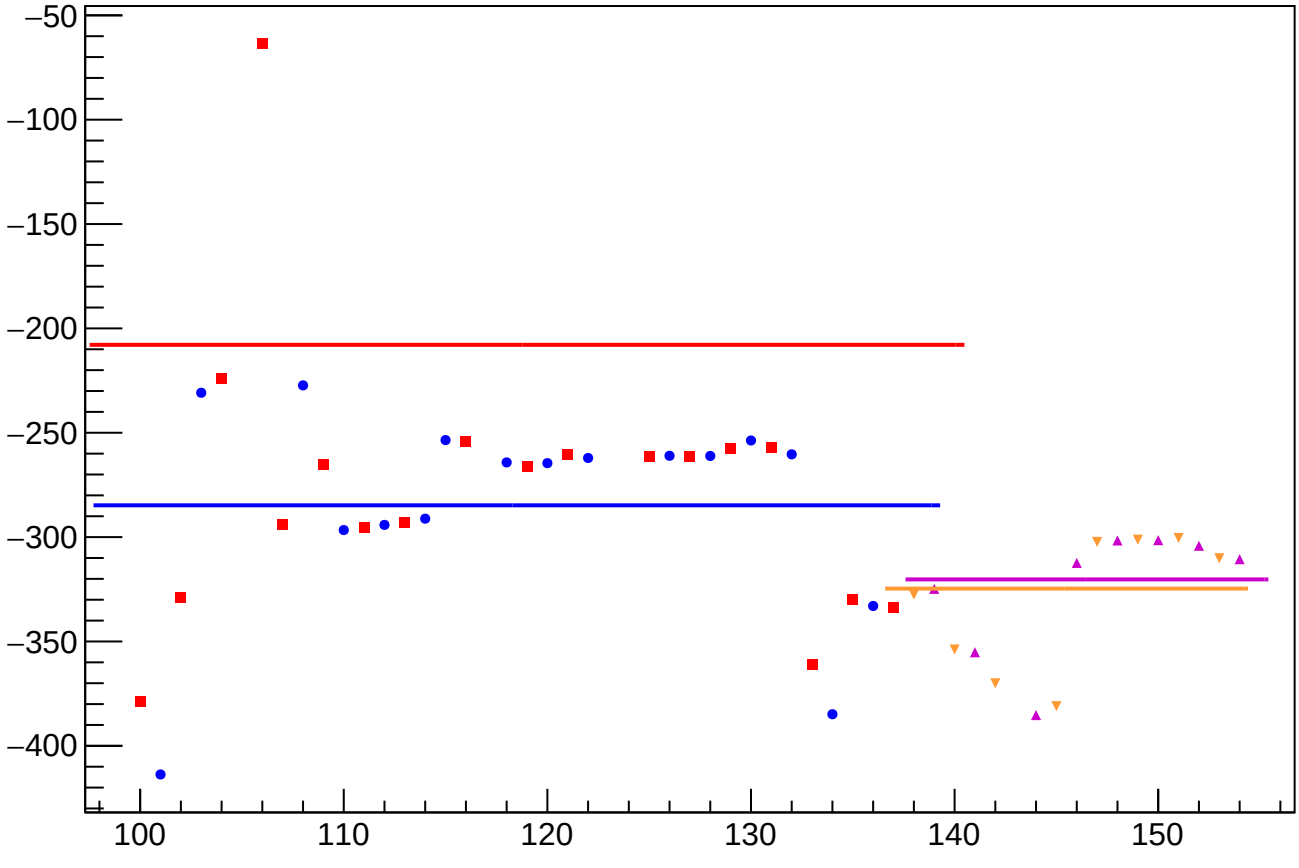
Left: 121.900+/-2.157 χ^2/NDF: 186.8/15

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 125.634+/-2.169 χ^2/NDF:277.7/23

Out: 117.958+/-2.129 χ^2/NDF:463.1/25

All: 121.723+/-1.519 χ^2/NDF: 747.2/49



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: -320.270+/-0.148 χ^2/NDF:30408.5/7

Left: -322.363+/-0.107 χ^2/NDF: 66111.7/15

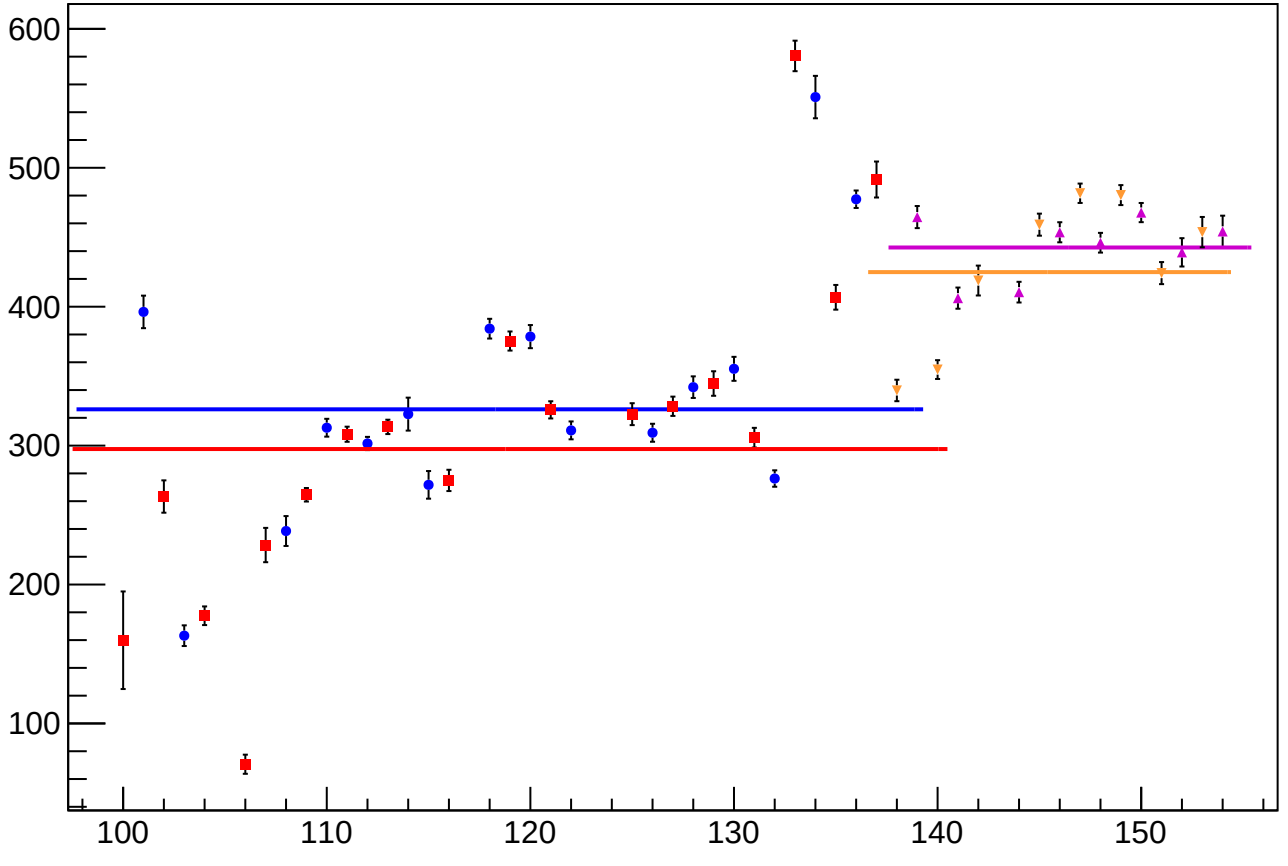
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.744+/-0.114 χ^2/NDF:158406.1/23

Out: -263.843+/-0.107 χ^2/NDF:867057.1/25

All: -283.627+/-0.078 χ^2/NDF: 1097312.0/49

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: 442.620+/-2.791 χ^2/NDF:66.1/7

Left: 433.804+/-1.978 χ^2/NDF: 466.7/15

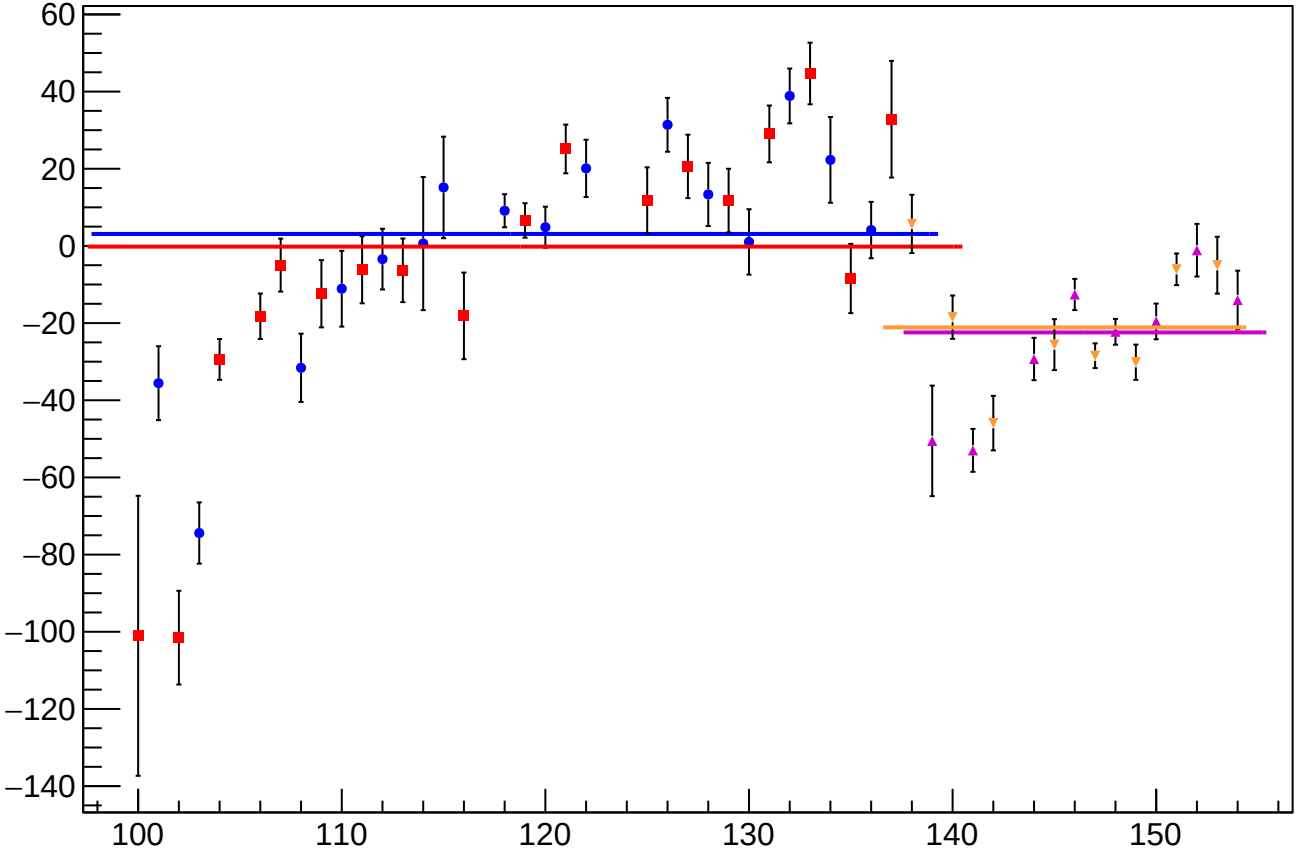
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 361.878+/-1.546 χ^2/NDF:2916.7/23

Out: 332.810+/-1.475 χ^2/NDF:4649.1/25

All: 346.662+/-1.067 χ^2/NDF: 7750.9/49

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: -22.418+/-1.806 χ^2/NDF:52.8/7

Left: -21.755+/-1.268 χ^2/NDF: 106.2/15

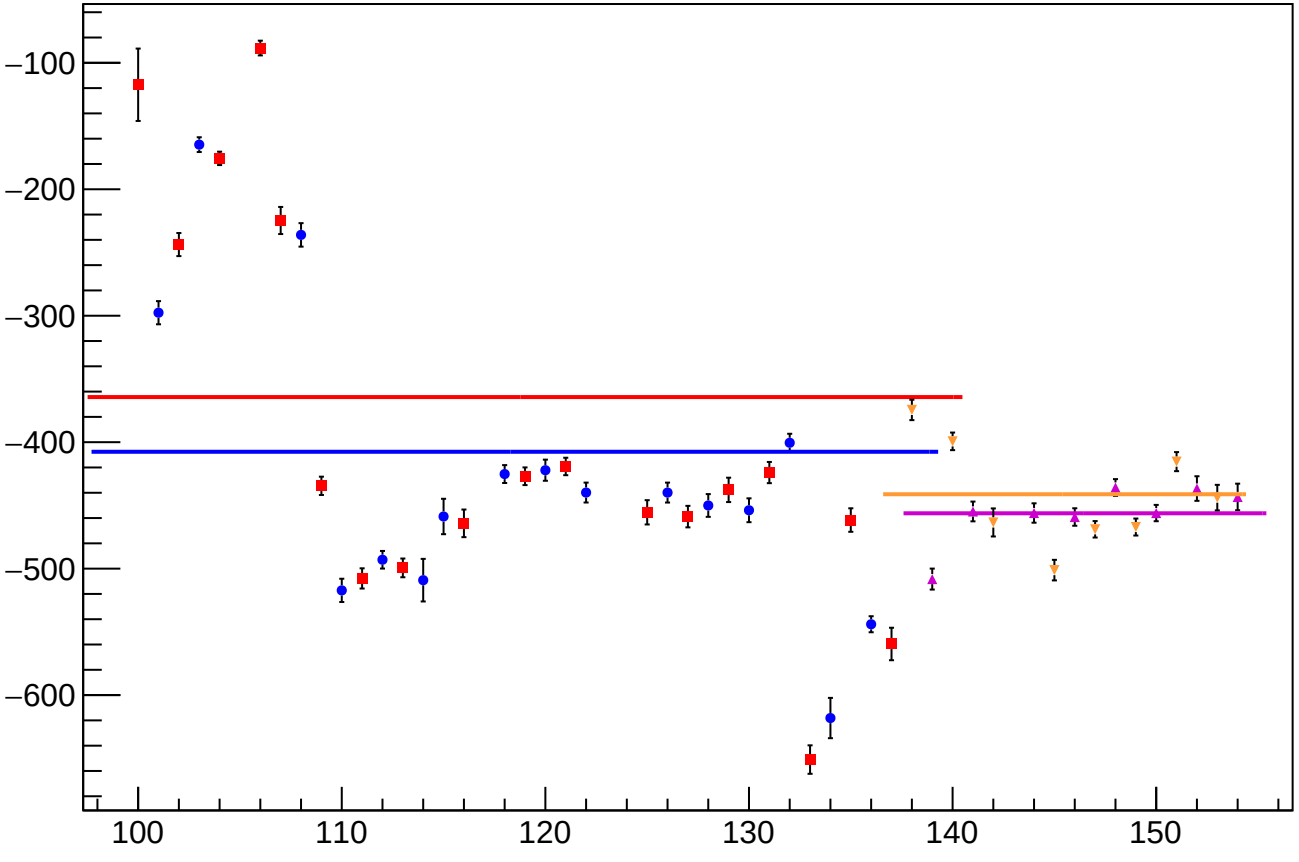
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -10.252+/-1.306 χ^2/NDF:332.6/23

Out: -10.712+/-1.262 χ^2/NDF:327.0/25

All: -10.490+/-0.908 χ^2/NDF: 659.7/49

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: -456.236+/-2.720 χ^2/NDF:54.5/7

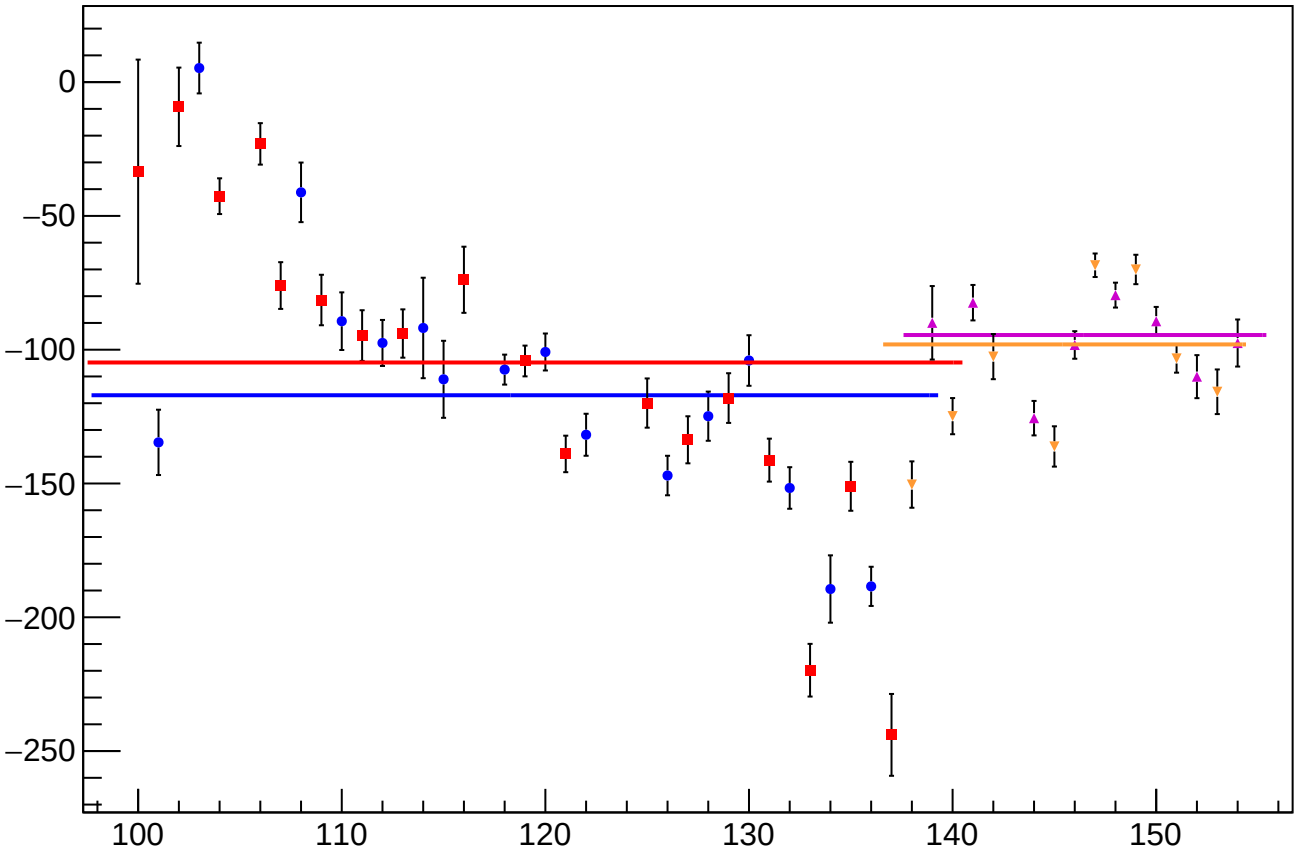
Left: -448.780+/-1.933 χ^2/NDF: 277.6/15

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -425.462+/-1.649 χ^2/NDF:3537.5/23

Out: -389.937+/-1.586 χ^2/NDF:6950.0/25

All: -407.006+/-1.143 χ^2/NDF: 10728.6/49



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: -94.513+/-2.239 χ^2/NDF:42.3/7

Left: -96.279+/-1.579 χ^2/NDF: 198.4/15

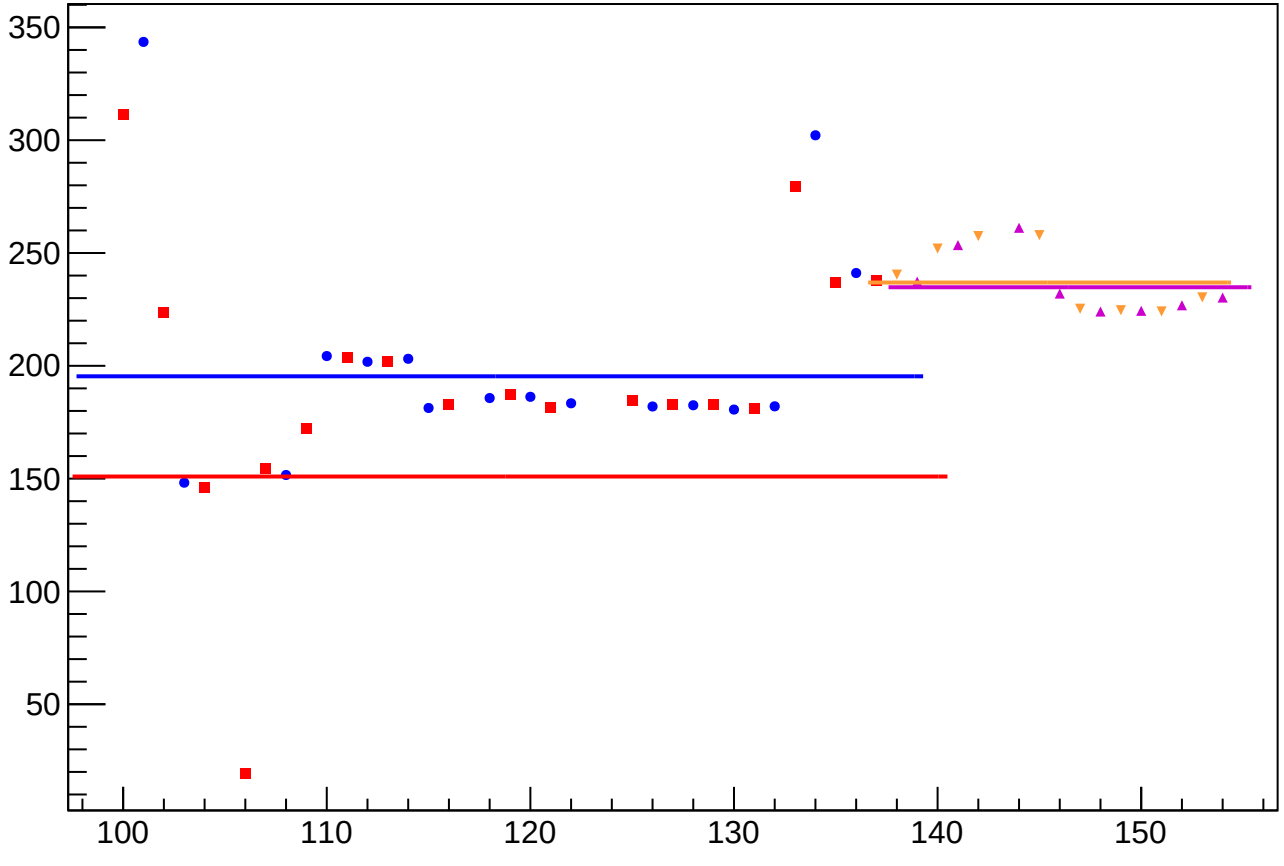
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -105.994+/-1.567 χ^2/NDF:501.7/23

Out: -101.619+/-1.525 χ^2/NDF:734.9/25

All: -103.746+/-1.093 χ^2/NDF: 1240.5/49

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: 234.823+/-0.108 χ^2/NDF:13342.0/7

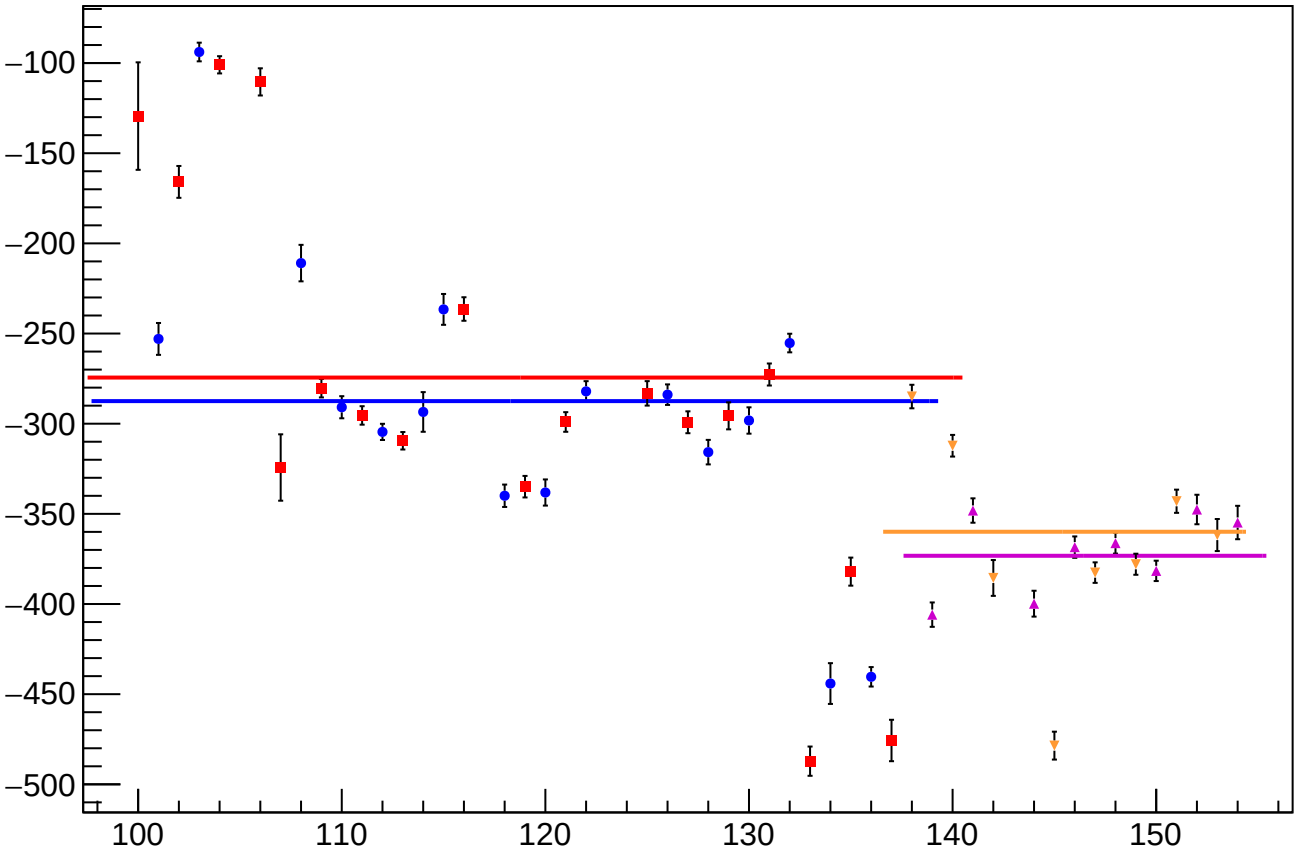
Left: 235.823+/-0.078 χ^2/NDF: 27953.1/15

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 217.857+/-0.082 χ^2/NDF:247510.5/23

Out: 192.776+/-0.079 χ^2/NDF:810102.1/25

All: 204.883+/-0.057 χ^2/NDF: 1106350.6/49



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: -373.252+/-2.363 χ^2/NDF:68.9/7

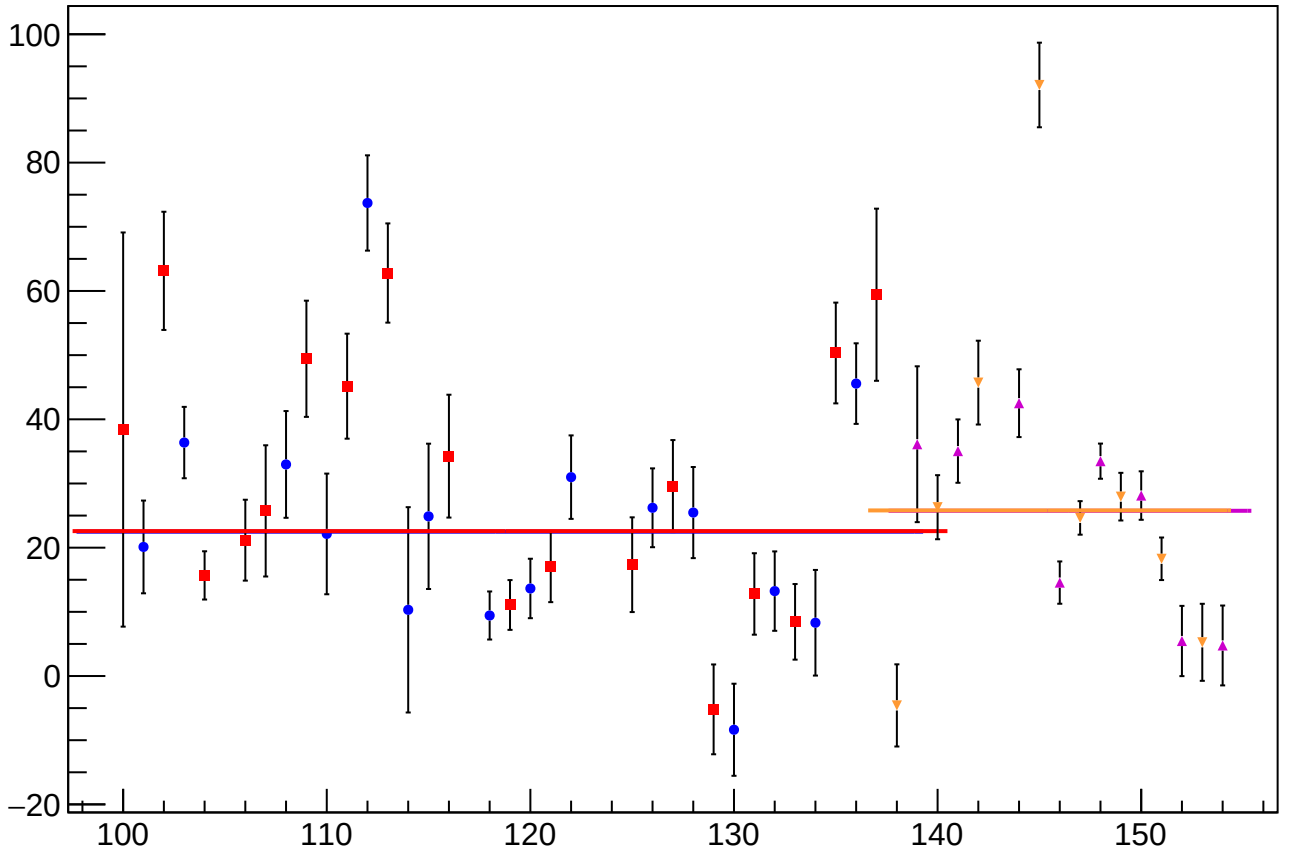
Left: -366.665+/-1.680 χ^2/NDF: 553.9/15

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -314.705+/-1.331 χ^2/NDF:3665.1/23

Out: -299.761+/-1.301 χ^2/NDF:4783.1/25

All: -307.064+/-0.931 χ^2/NDF: 8512.6/49



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: 25.746+/-1.511 χ^2/NDF:59.3/7

Left: 25.775+/-1.062 χ^2/NDF: 209.8/15

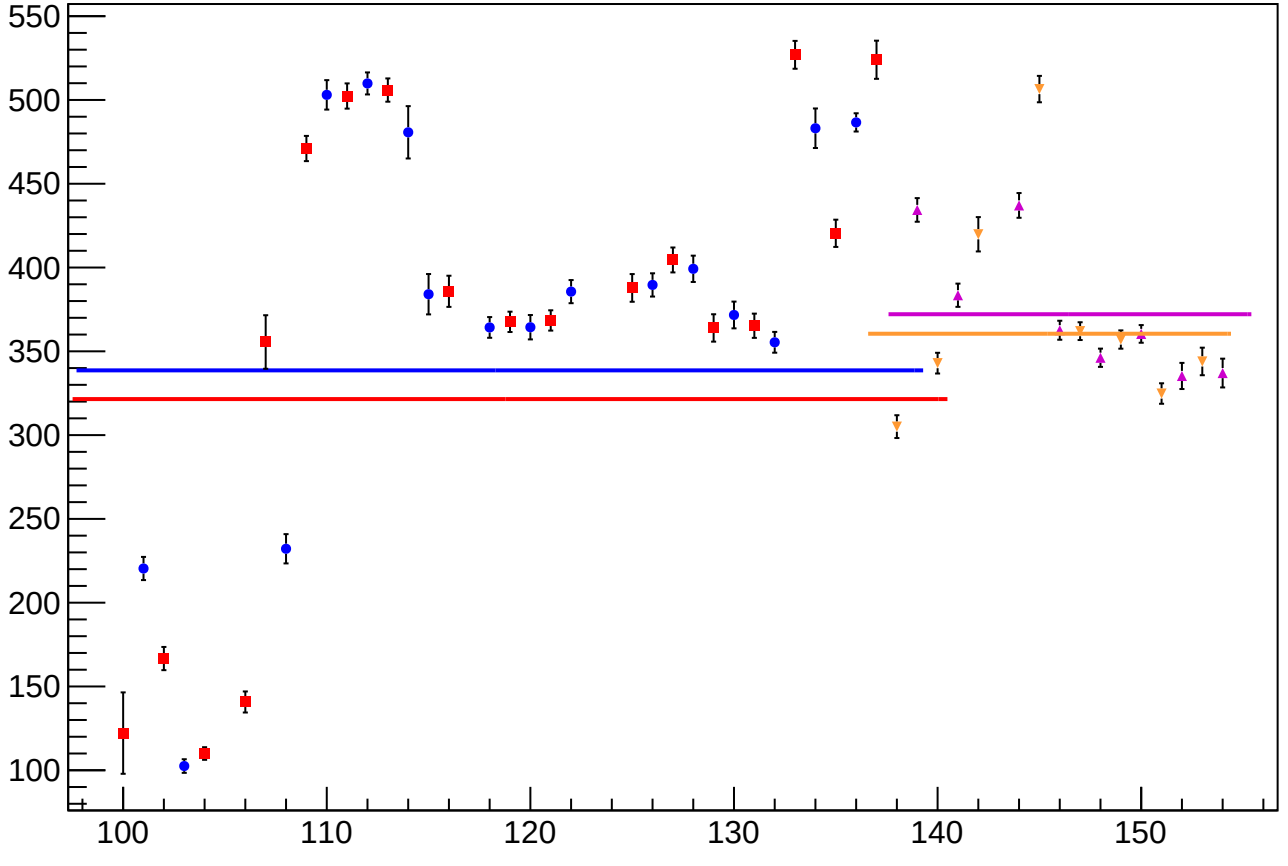
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 24.233+/-1.105 χ^2/NDF:172.9/23

Out: 24.273+/-1.082 χ^2/NDF:276.0/25

All: 24.253+/-0.773 χ^2/NDF: 448.9/49

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: 372.135+/-2.294 χ^2/NDF:227.4/7

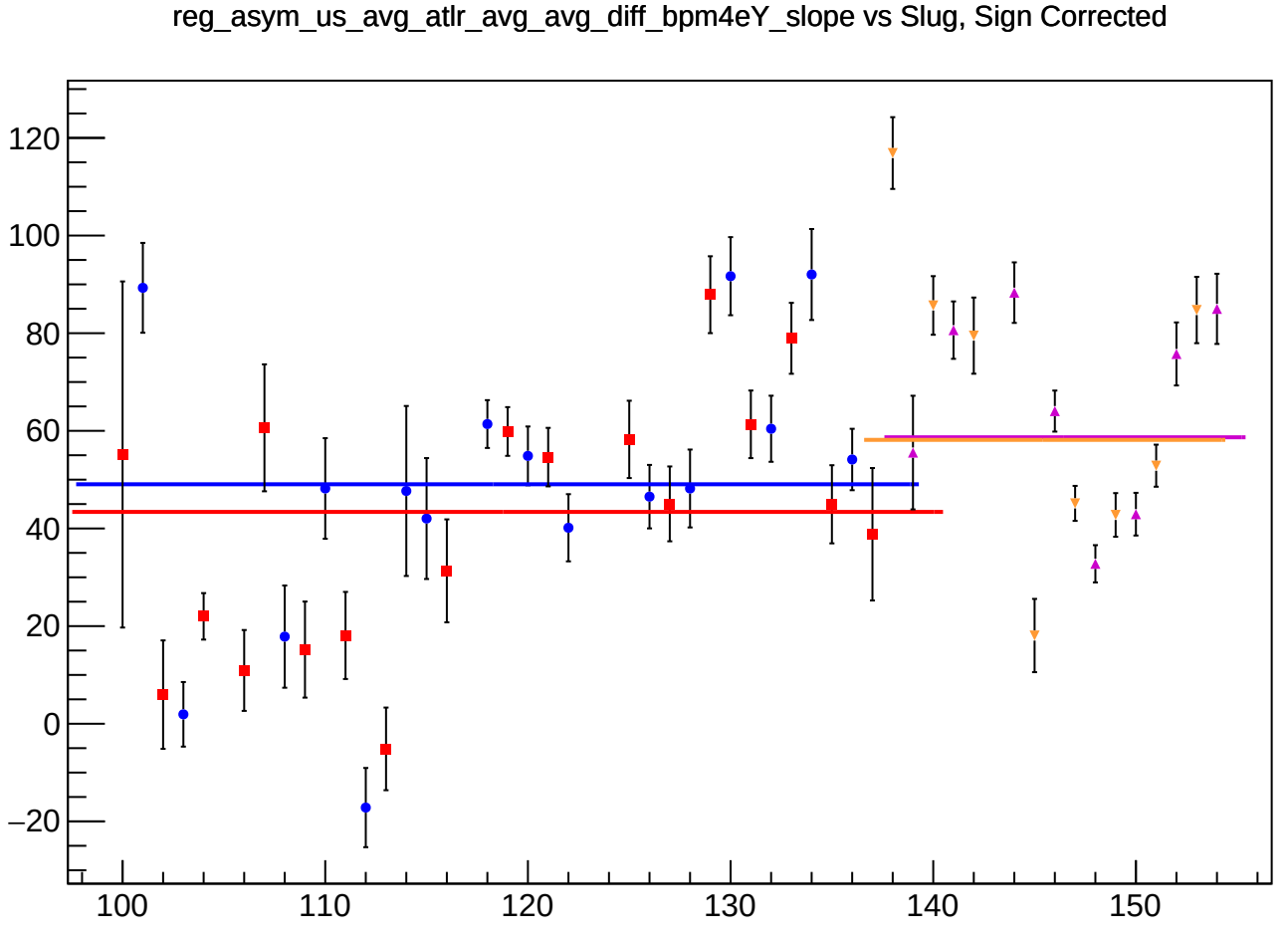
Left: 366.409+/-1.635 χ^2/NDF: 730.2/15

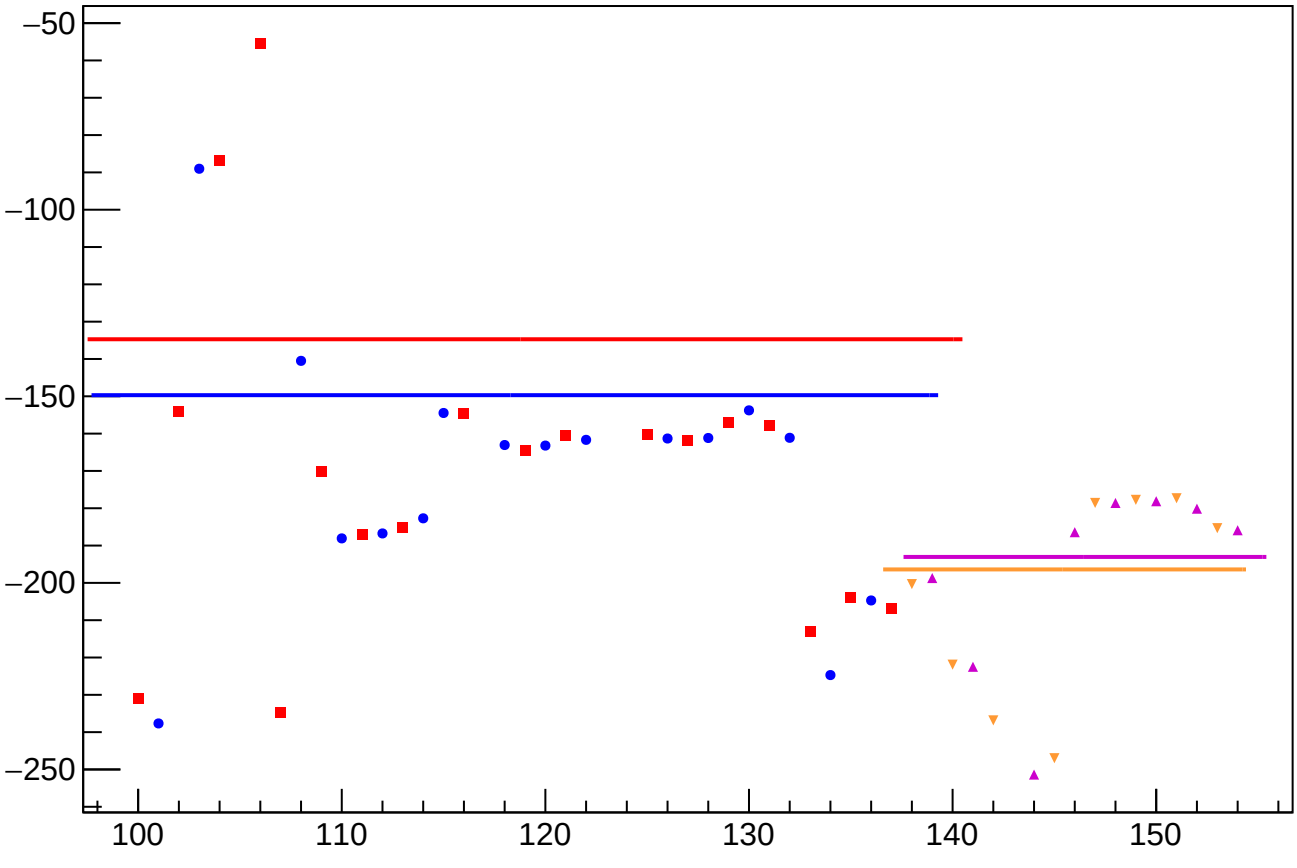
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 350.943+/-1.390 χ^2/NDF:6405.0/23

Out: 334.982+/-1.370 χ^2/NDF:8394.1/25

All: 342.846+/-0.976 χ^2/NDF: 14865.9/49


reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
120
100
80
60
40
20
0
−20
100
110
120
130
140
150
Right In: 49.053+/-1.882 χ²/NDF: 207.9/15
Left Out: 58.151+/-1.877 χ²/NDF:162.8/7
Right Out: 43.392+/-1.834 χ²/NDF: 180.0/17
Left In: 58.678+/-1.879 χ²/NDF:118.0/7
Left: 58.414+/-1.328 χ²/NDF: 280.8/15
Right: 46.149+/-1.314 χ²/NDF: 392.6/33
In: 53.875+/-1.330 χ²/NDF:339.0/23
Out: 50.600+/-1.312 χ²/NDF:374.4/25
All: 52.215+/-0.934 χ²/NDF: 716.5/49



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: -193.046+/-0.091 χ^2/NDF:54826.1/7

Left: -194.630+/-0.066 χ^2/NDF: 119777.5/15

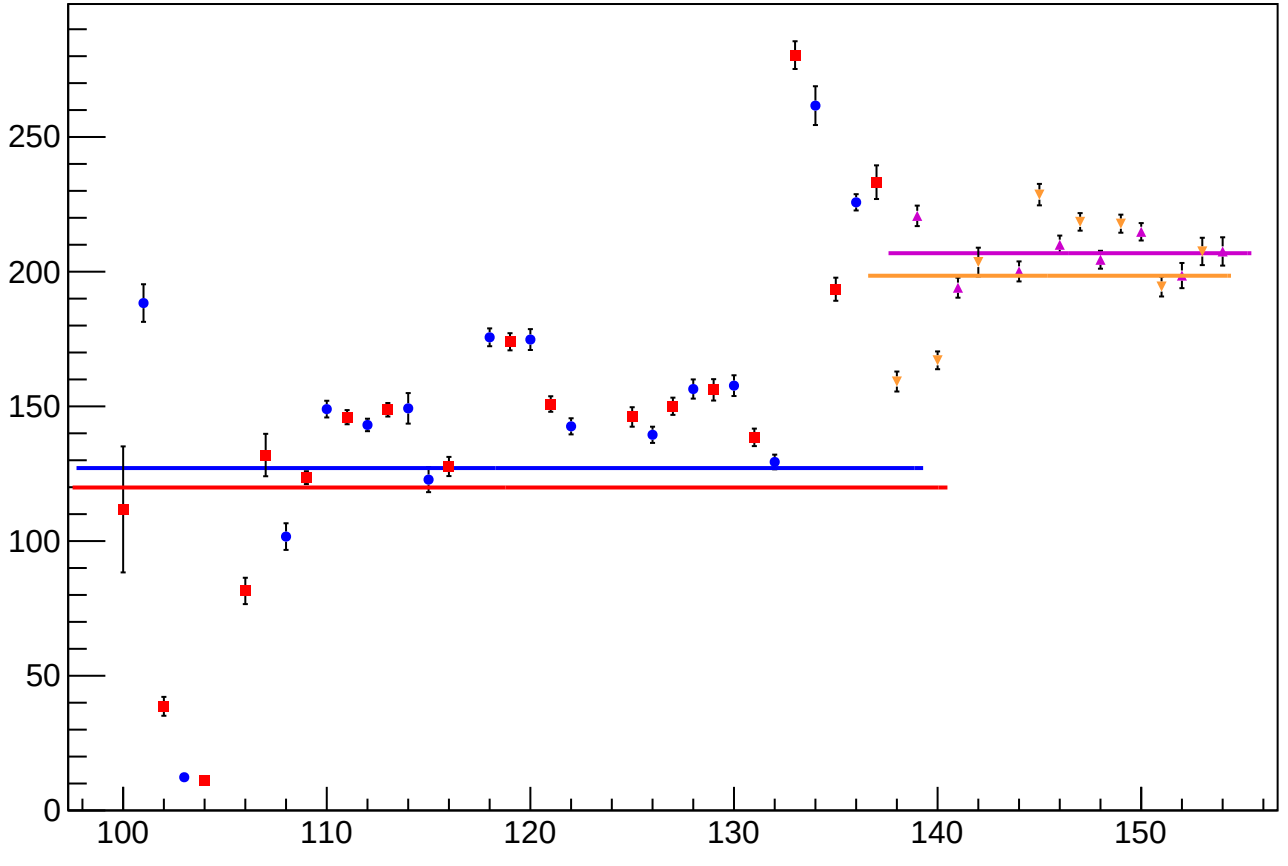
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -173.615+/-0.068 χ^2/NDF:413293.2/23

Out: -165.909+/-0.068 χ^2/NDF:581459.9/25

All: -169.802+/-0.048 χ^2/NDF: 1001202.8/49

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 198.497+/-1.338 χ^2/NDF:335.9/7

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 206.860+/-1.326 χ^2/NDF:39.1/7

Left: 202.718+/-0.942 χ^2/NDF: 394.7/15

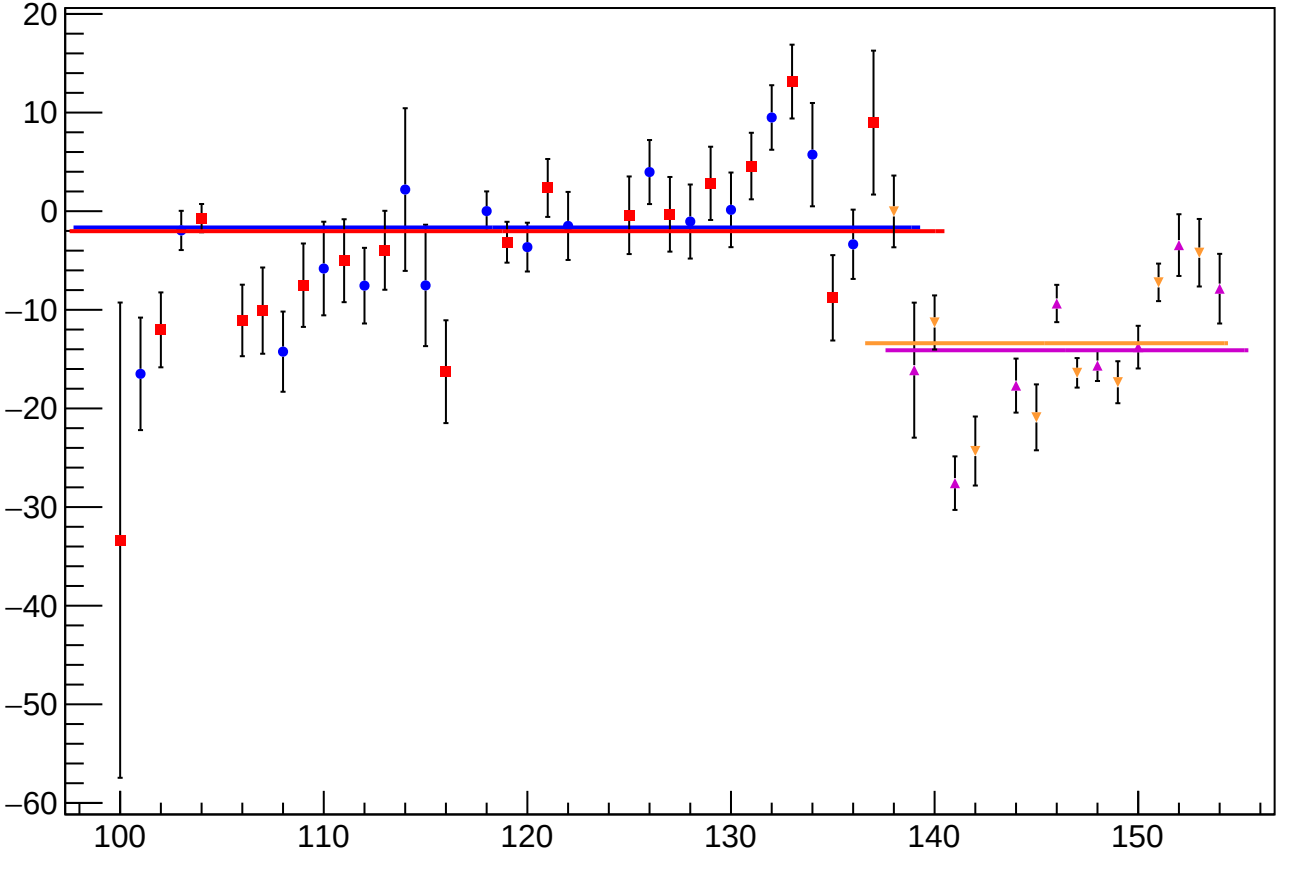
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 148.815+/-0.692 χ^2/NDF:8836.8/23

Out: 139.598+/-0.670 χ^2/NDF:9570.7/25

All: 144.061+/-0.481 χ^2/NDF: 18499.1/49

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: -14.101+/-0.853 χ^2/NDF:48.5/7

Left: -13.740+/-0.599 χ^2/NDF: 102.9/15

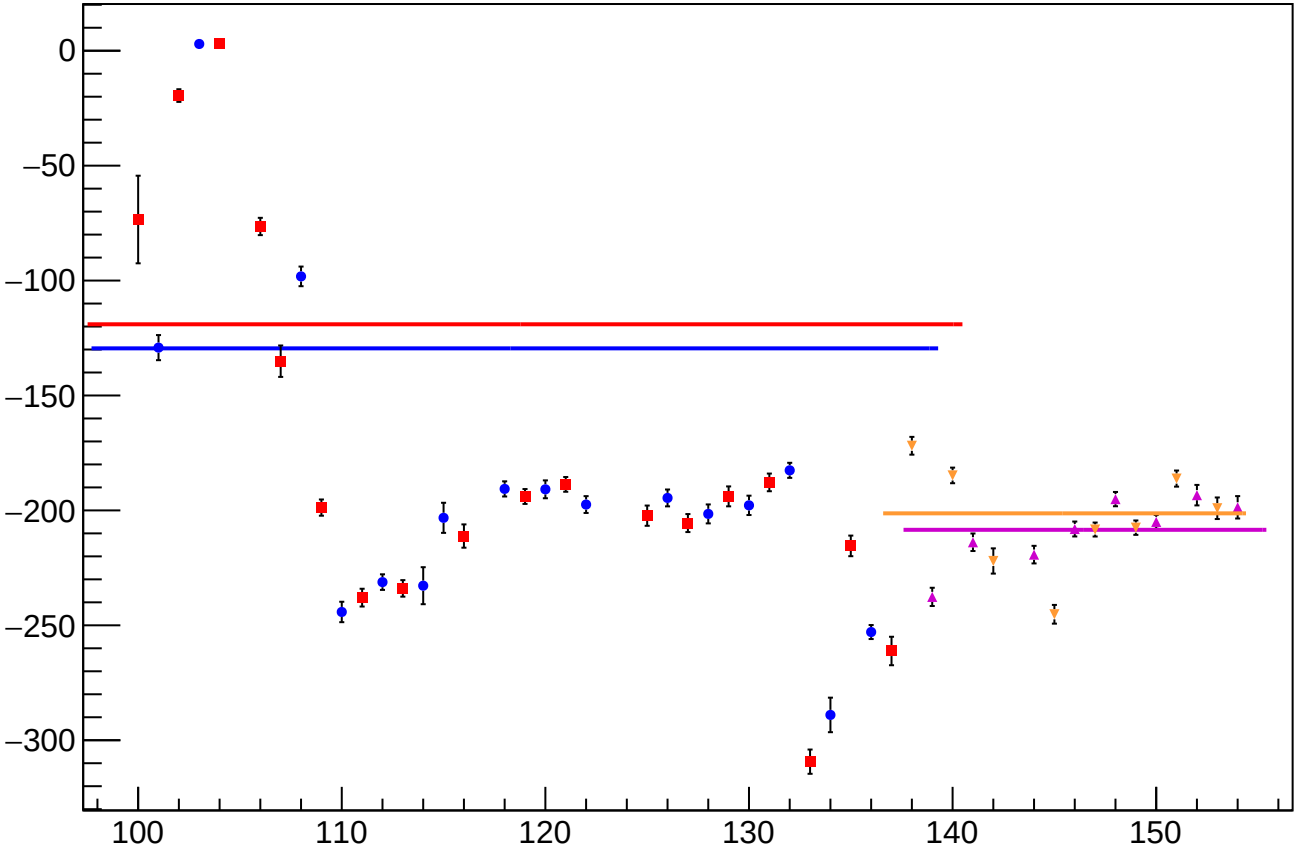
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -7.726+/-0.596 χ^2/NDF:196.6/23

Out: -7.198+/-0.569 χ^2/NDF:211.7/25

All: -7.450+/-0.411 χ^2/NDF: 408.7/49

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -208.448+/-1.290 χ^2/NDF:99.4/7

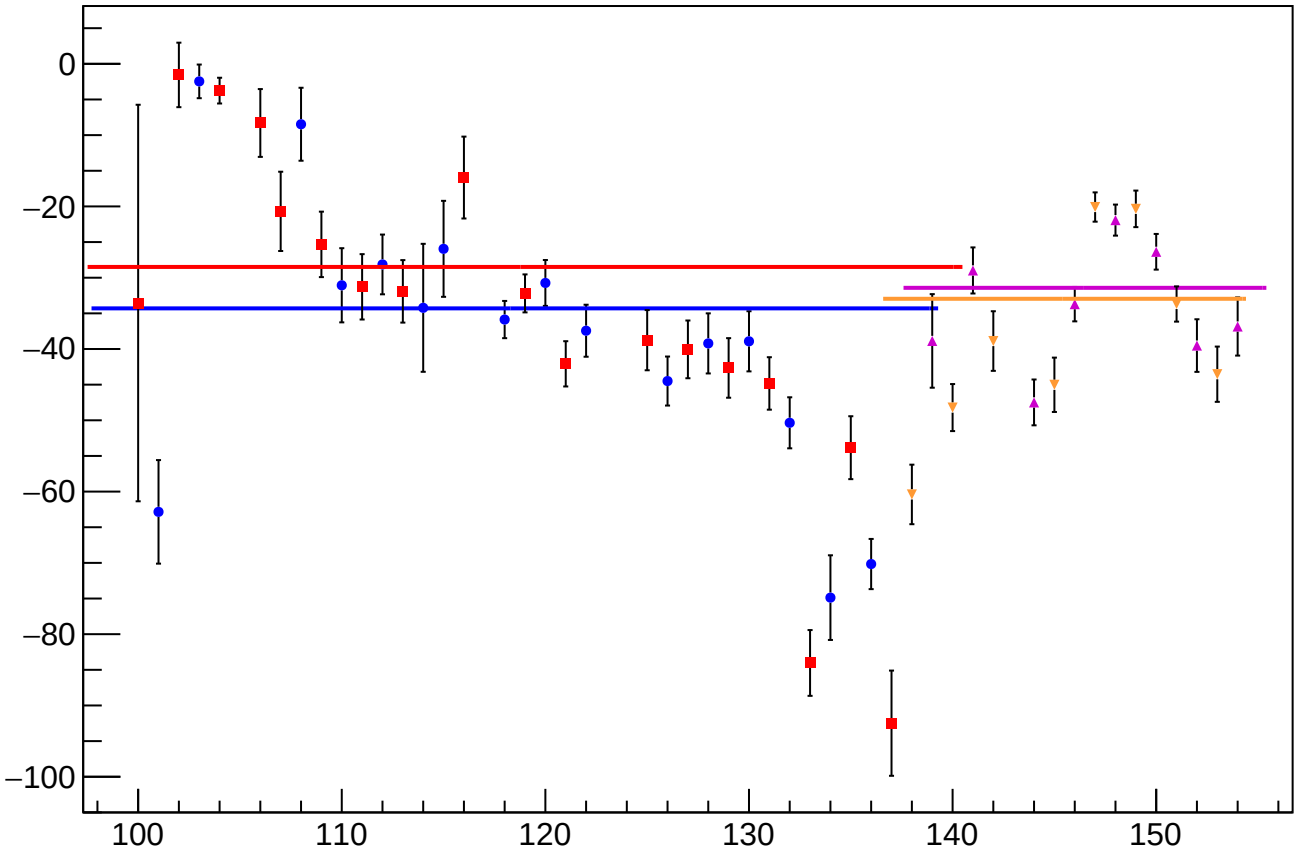
Left: -204.918+/-0.918 χ^2/NDF: 354.7/15

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -153.266+/-0.708 χ^2/NDF:17406.7/23

Out: -141.930+/-0.690 χ^2/NDF:19269.9/25

All: -147.458+/-0.494 χ^2/NDF: 36808.1/49



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -32.955+/-1.057 χ^2/NDF:147.6/7

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -31.419+/-1.059 χ^2/NDF:57.5/7

Left: -32.188+/-0.748 χ^2/NDF: 206.2/15

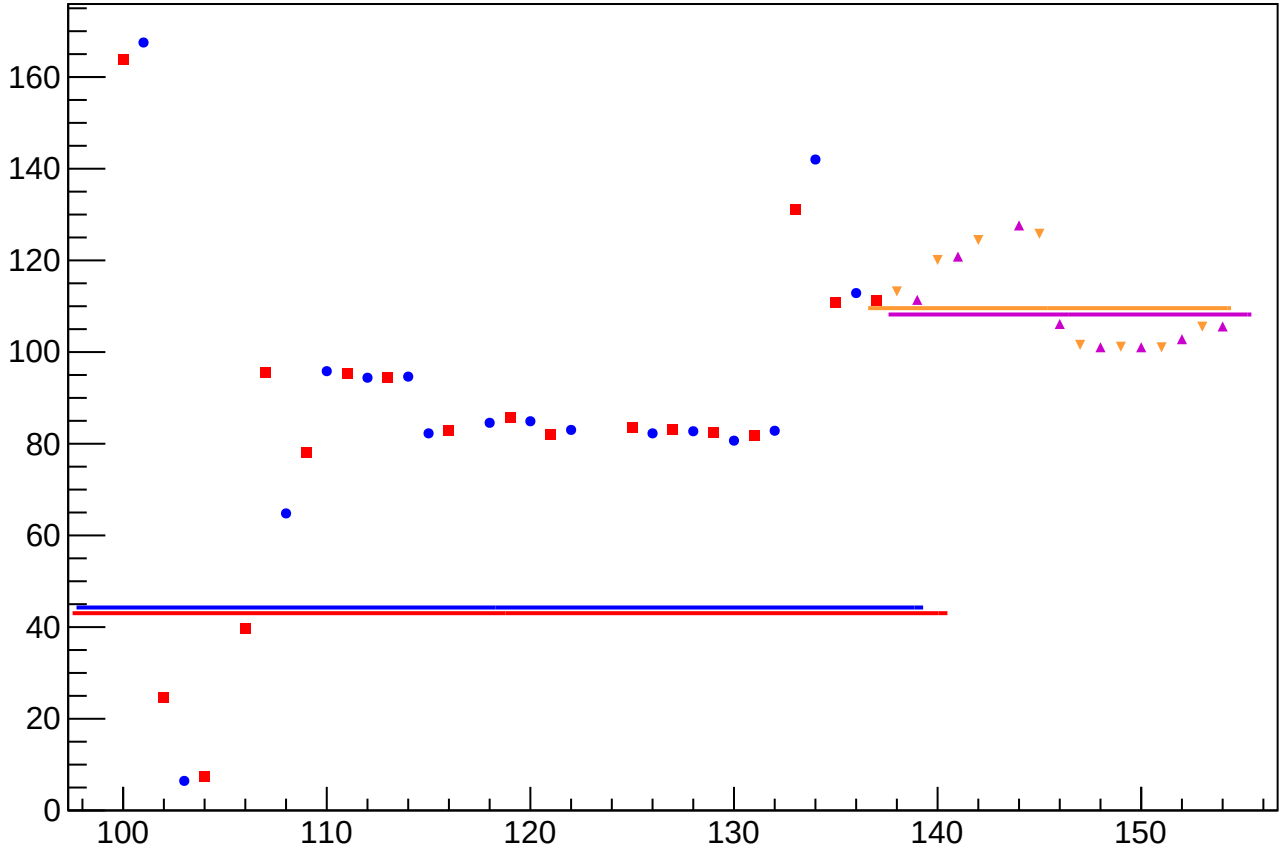
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -32.989+/-0.714 χ^2/NDF:472.8/23

Out: -30.382+/-0.688 χ^2/NDF:725.9/25

All: -31.637+/-0.496 χ^2/NDF: 1205.7/49

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: 108.196+/-0.051 χ^2/NDF:28127.4/7

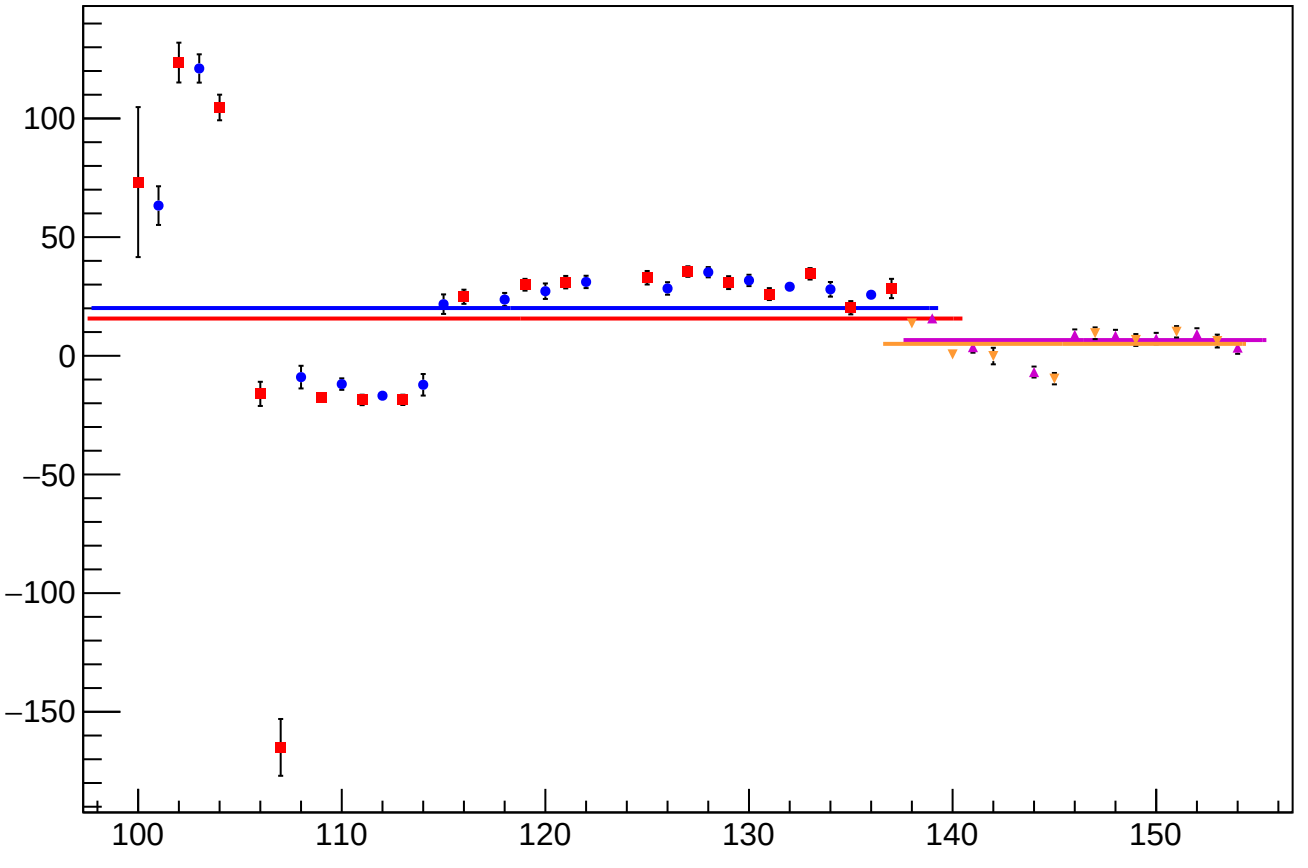
Left: 108.854+/-0.037 χ^2/NDF: 60276.8/15

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 72.096+/-0.034 χ^2/NDF:1993736.5/23

Out: 70.439+/-0.035 χ^2/NDF:1736036.5/25

All: 71.286+/-0.024 χ^2/NDF: 3730950.0/49



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: 6.625+/-0.828 χ^2/NDF:60.5/7

Left: 5.857+/-0.597 χ^2/NDF: 131.9/15

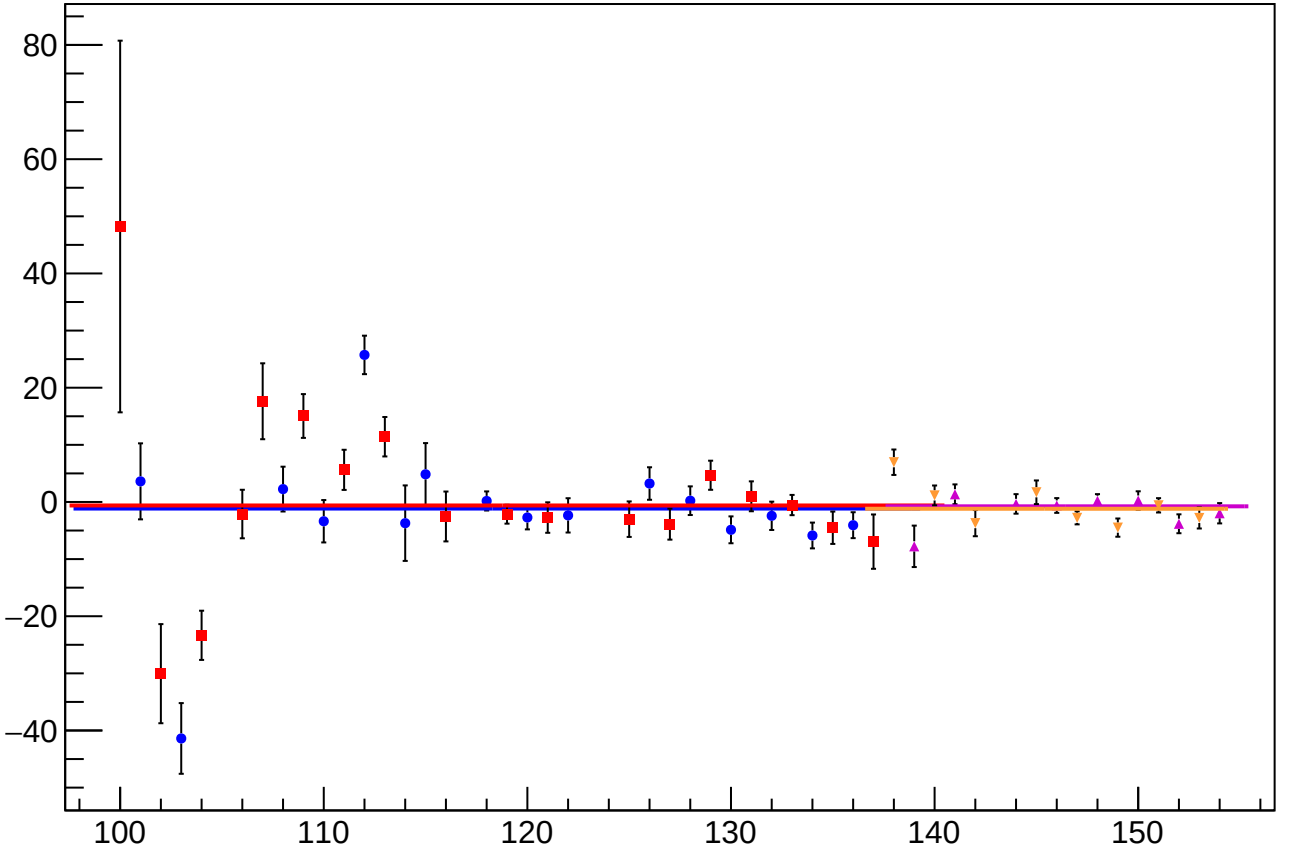
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 14.619+/-0.529 χ^2/NDF:1265.8/23

Out: 11.581+/-0.534 χ^2/NDF:1937.9/25

All: 13.116+/-0.376 χ^2/NDF: 3220.0/49

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.189+/-0.572 χ^2/NDF:25.6/7

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.763+/-0.563 χ^2/NDF:10.2/7

Left: -0.972+/-0.402 χ^2/NDF: 36.1/15

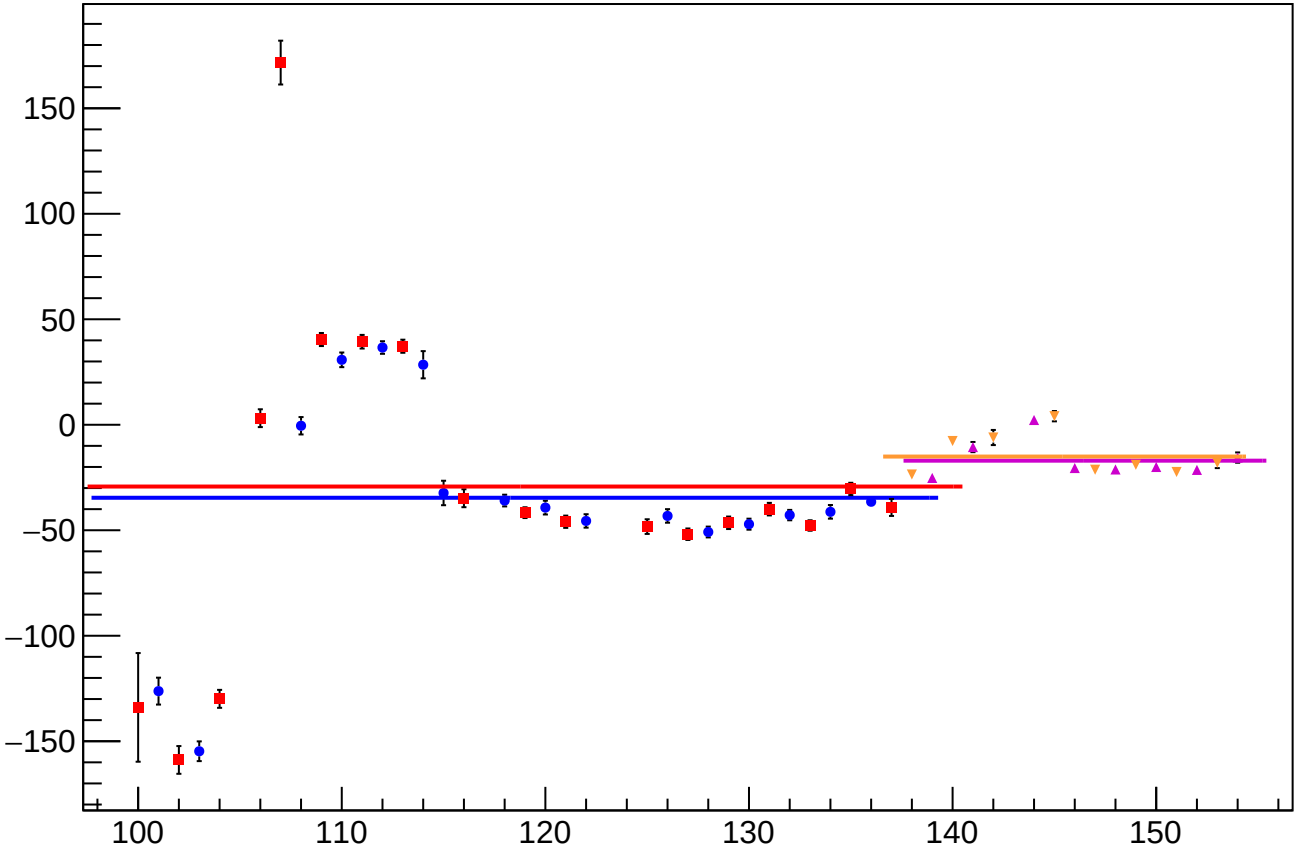
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.915+/-0.439 χ^2/NDF:132.3/23

Out: -0.964+/-0.446 χ^2/NDF:119.4/25

All: -0.939+/-0.313 χ^2/NDF: 251.6/49

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: -17.017+/-0.810 χ^2/NDF:99.8/7

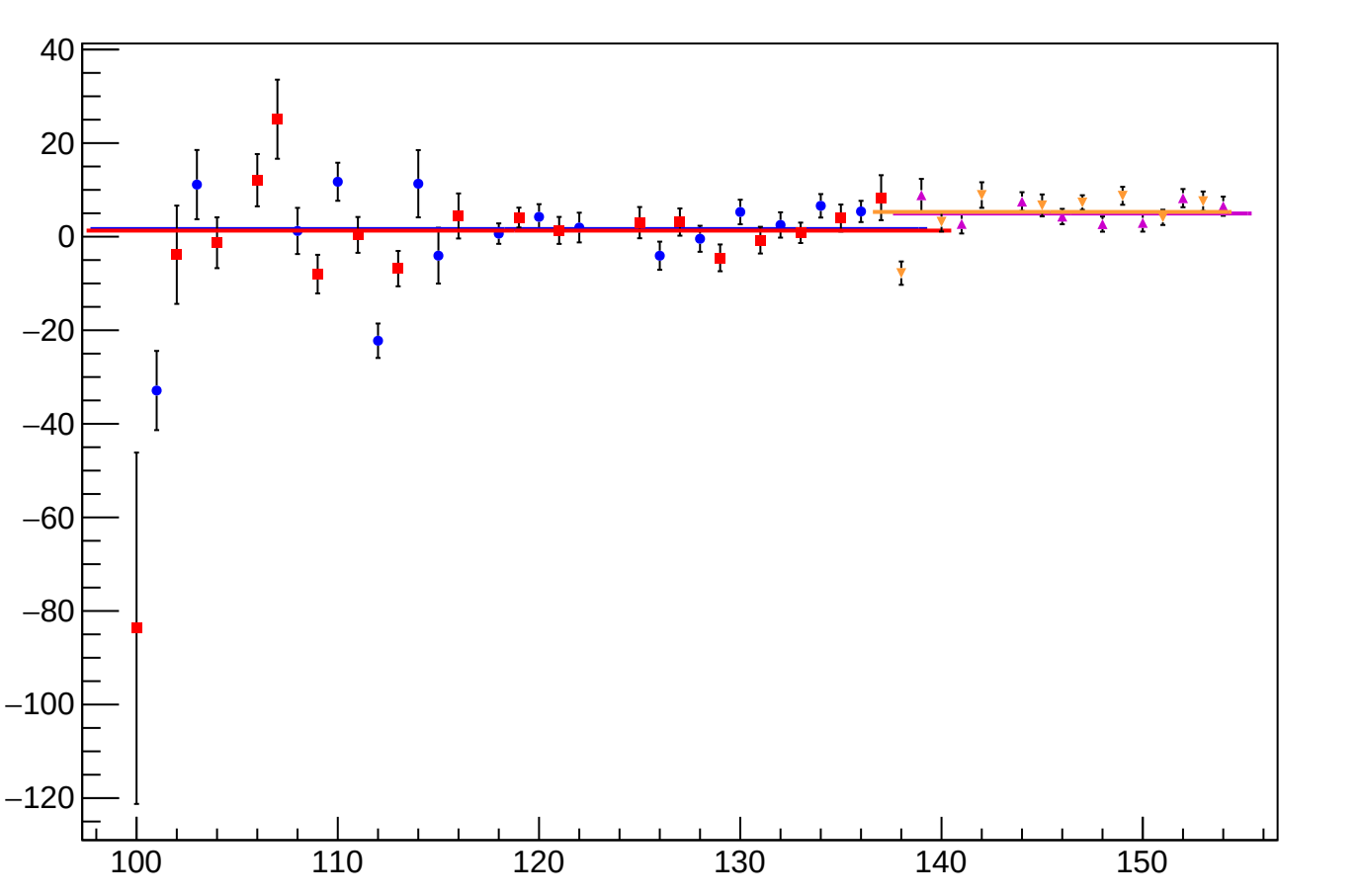
Left: -16.086+/-0.585 χ^2/NDF: 219.0/15

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

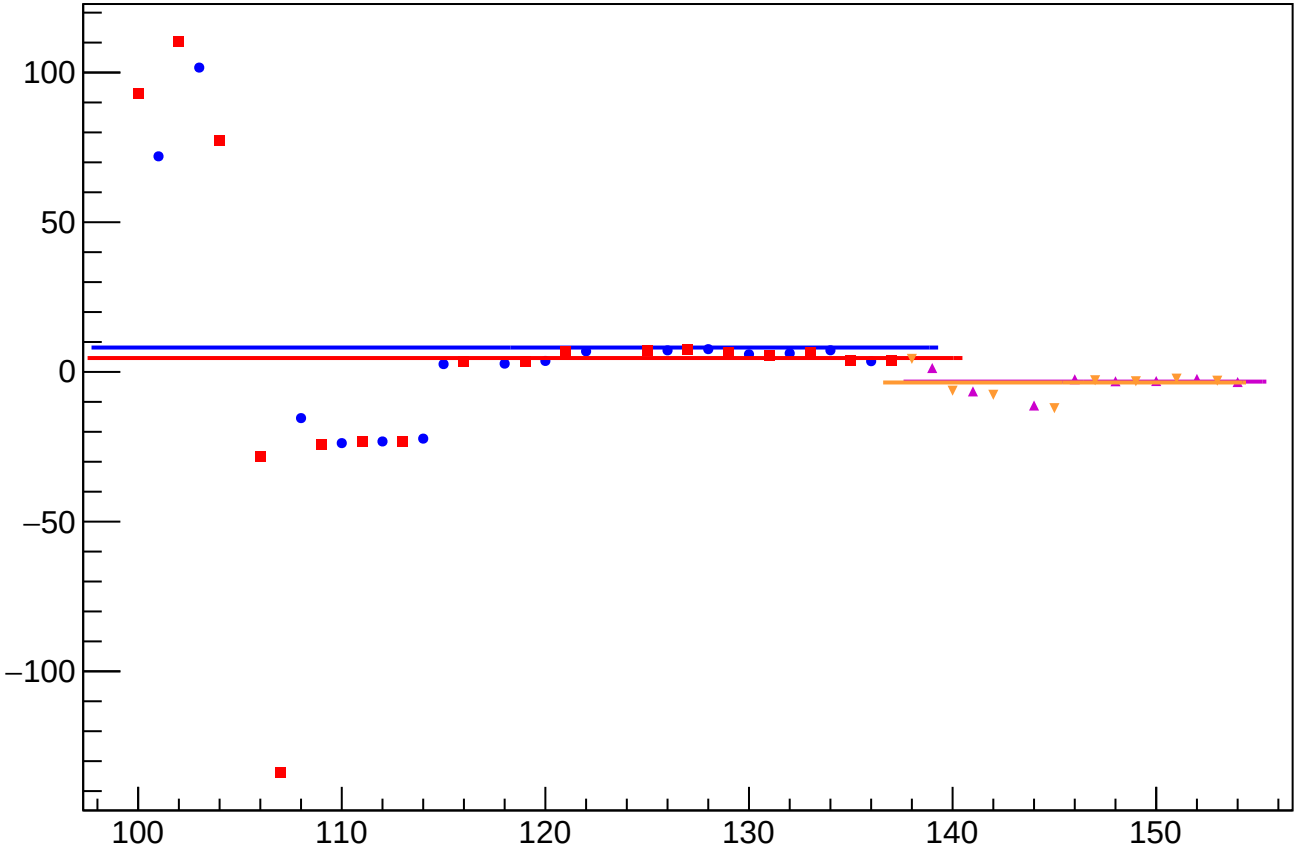
In: -26.073+/-0.564 χ^2/NDF:2400.7/23

Out: -22.575+/-0.581 χ^2/NDF:3346.4/25

All: -24.376+/-0.405 χ^2/NDF: 5765.7/49


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: 1.630+/-0.797 χ²/NDF: 83.3/15
Left Out: 5.287+/-0.707 χ²/NDF:37.2/7
Right Out: 1.298+/-0.817 χ²/NDF: 37.5/17
Left In: 4.952+/-0.688 χ²/NDF:10.7/7
Left: 5.115+/-0.493 χ²/NDF: 48.1/15
Right: 1.468+/-0.570 χ²/NDF: 120.9/33
In: 3.532+/-0.521 χ²/NDF:104.0/23
Out: 3.577+/-0.535 χ²/NDF:88.4/25
All: 3.554+/-0.373 χ²/NDF: 192.3/49

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: -3.233+/-0.031 χ^2/NDF:10646.7/7

Left: -3.368+/-0.023 χ^2/NDF: 29044.6/15

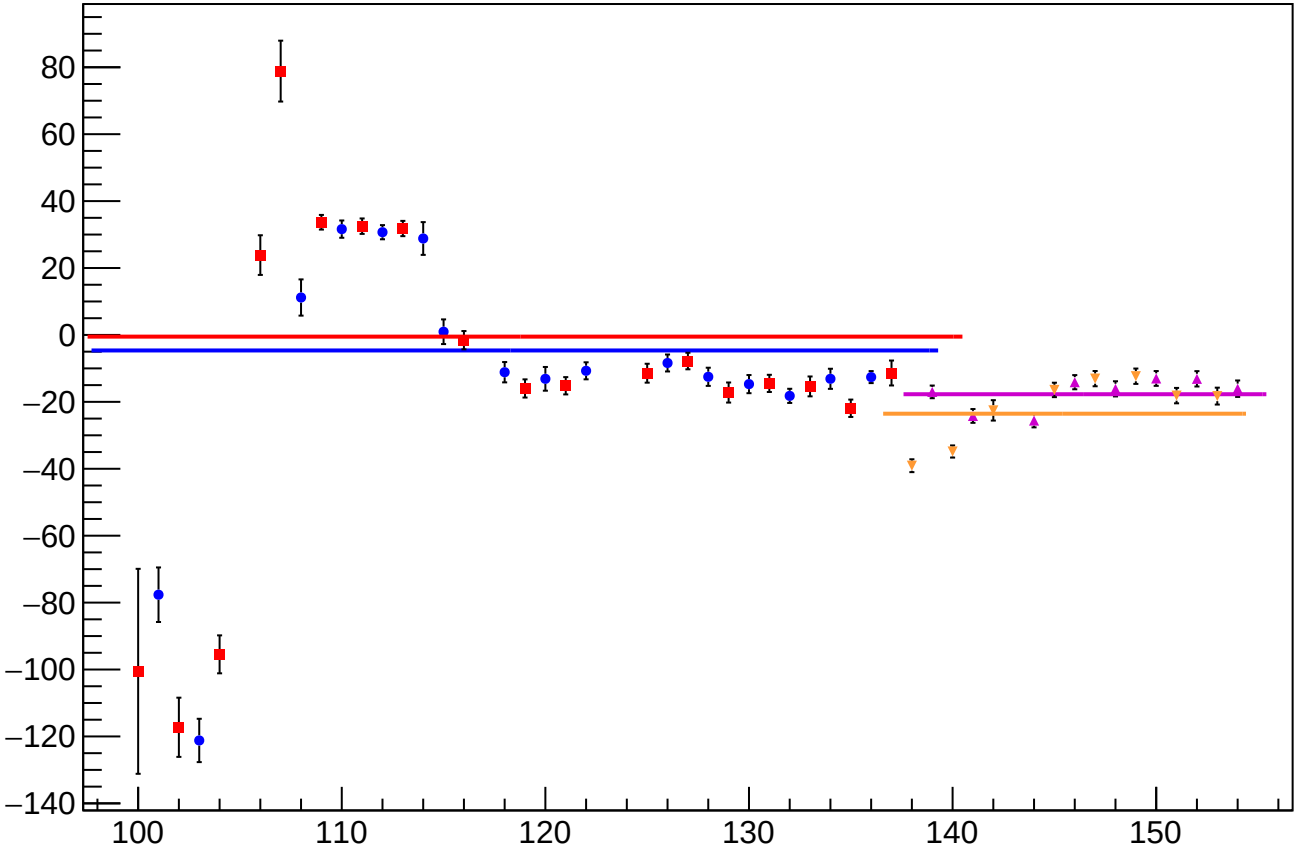
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 0.153+/-0.026 χ^2/NDF:362869.6/23

Out: -1.056+/-0.028 χ^2/NDF:482565.6/25

All: -0.407+/-0.019 χ^2/NDF: 846406.3/49

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -23.542+/-0.785 χ^2/NDF:169.8/7

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.720+/-0.760 χ^2/NDF:37.3/7

Left: -20.538+/-0.546 χ^2/NDF: 235.5/15

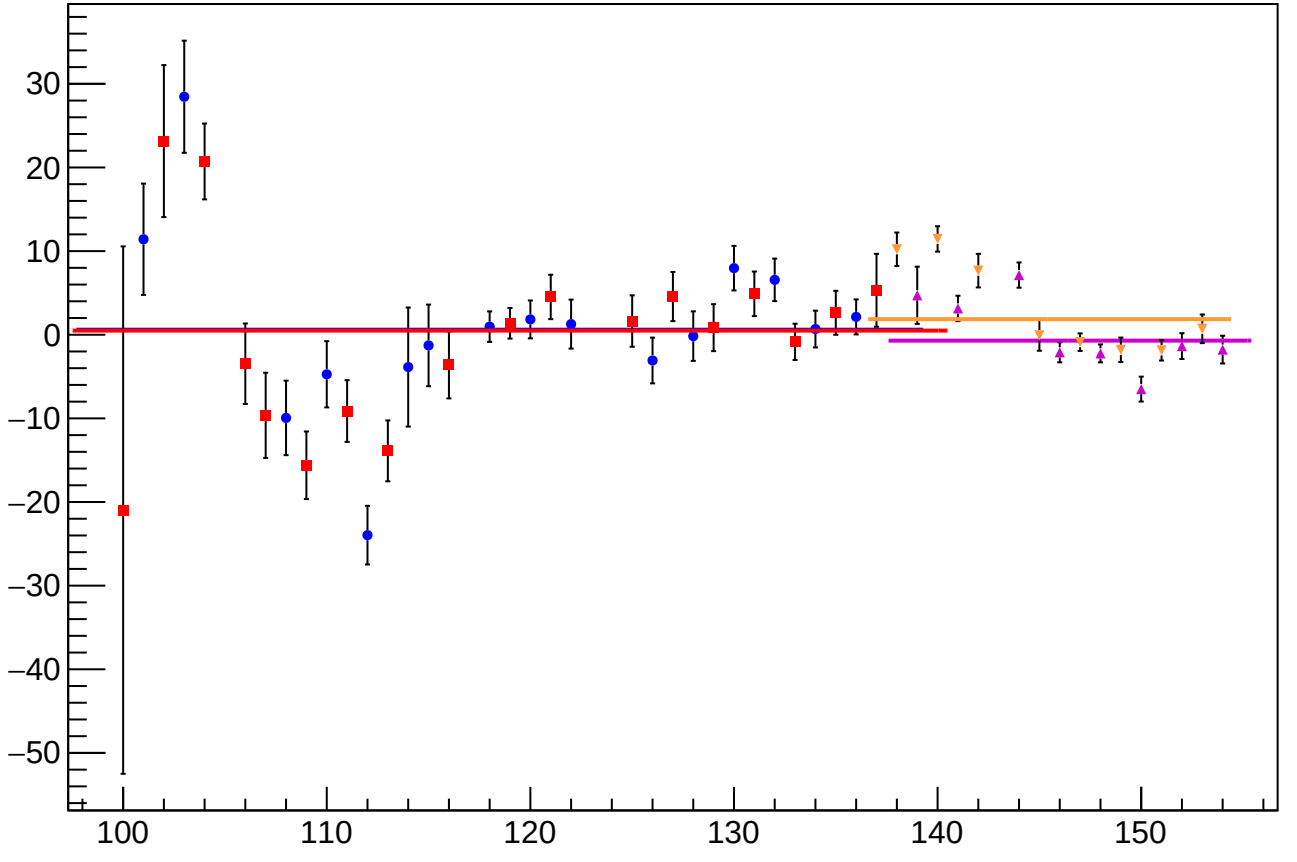
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -10.749+/-0.519 χ^2/NDF:1241.4/23

Out: -10.888+/-0.527 χ^2/NDF:2100.9/25

All: -10.818+/-0.370 χ^2/NDF: 3342.4/49

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: -0.703+/-0.515 χ^2/NDF:55.1/7

Left: 0.554+/-0.368 χ^2/NDF: 157.0/15

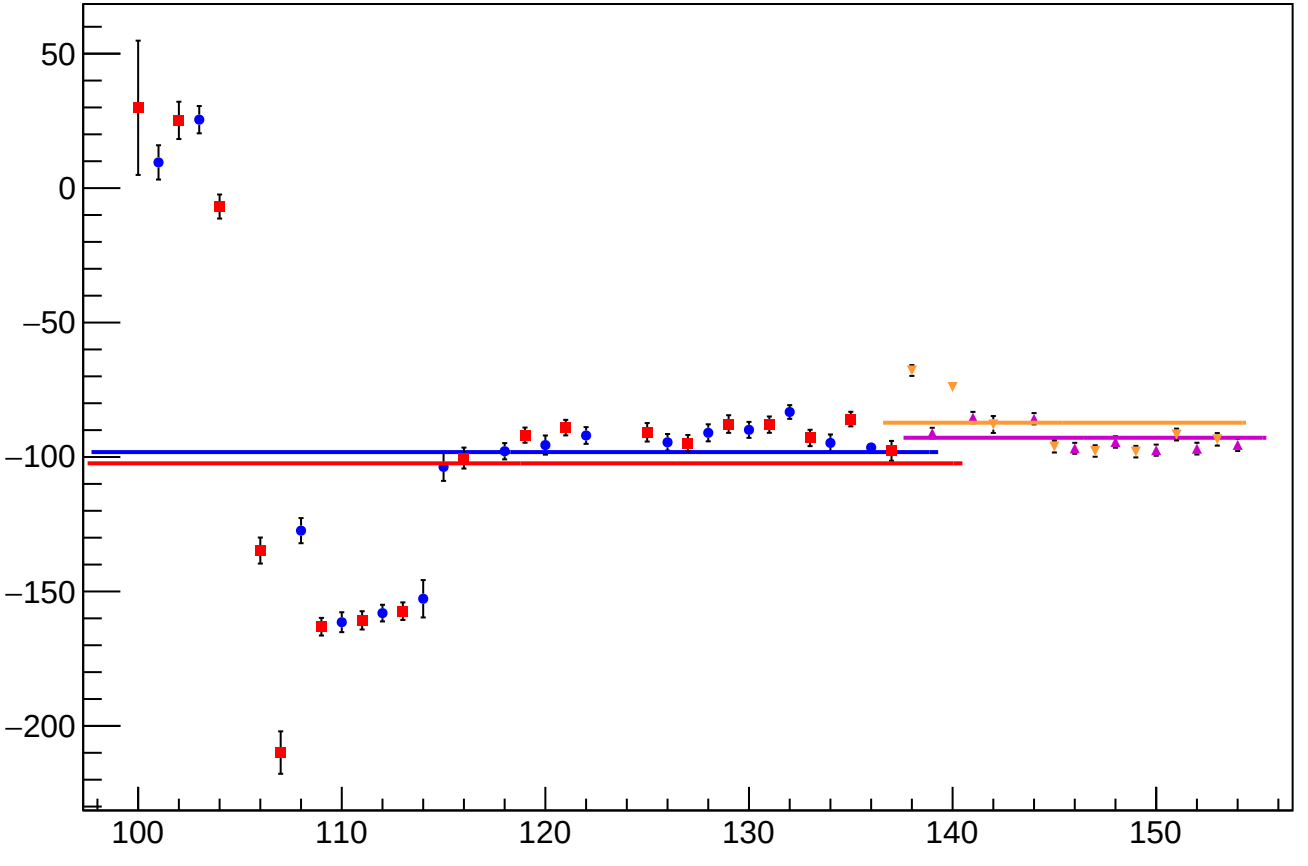
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: -0.266+/-0.420 χ^2/NDF:150.1/23

Out: 1.416+/-0.431 χ^2/NDF:172.1/25

All: 0.553+/-0.301 χ^2/NDF: 330.0/49

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -87.241+/-0.774 χ^2/NDF:221.0/7

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -92.842+/-0.744 χ^2/NDF:38.7/7

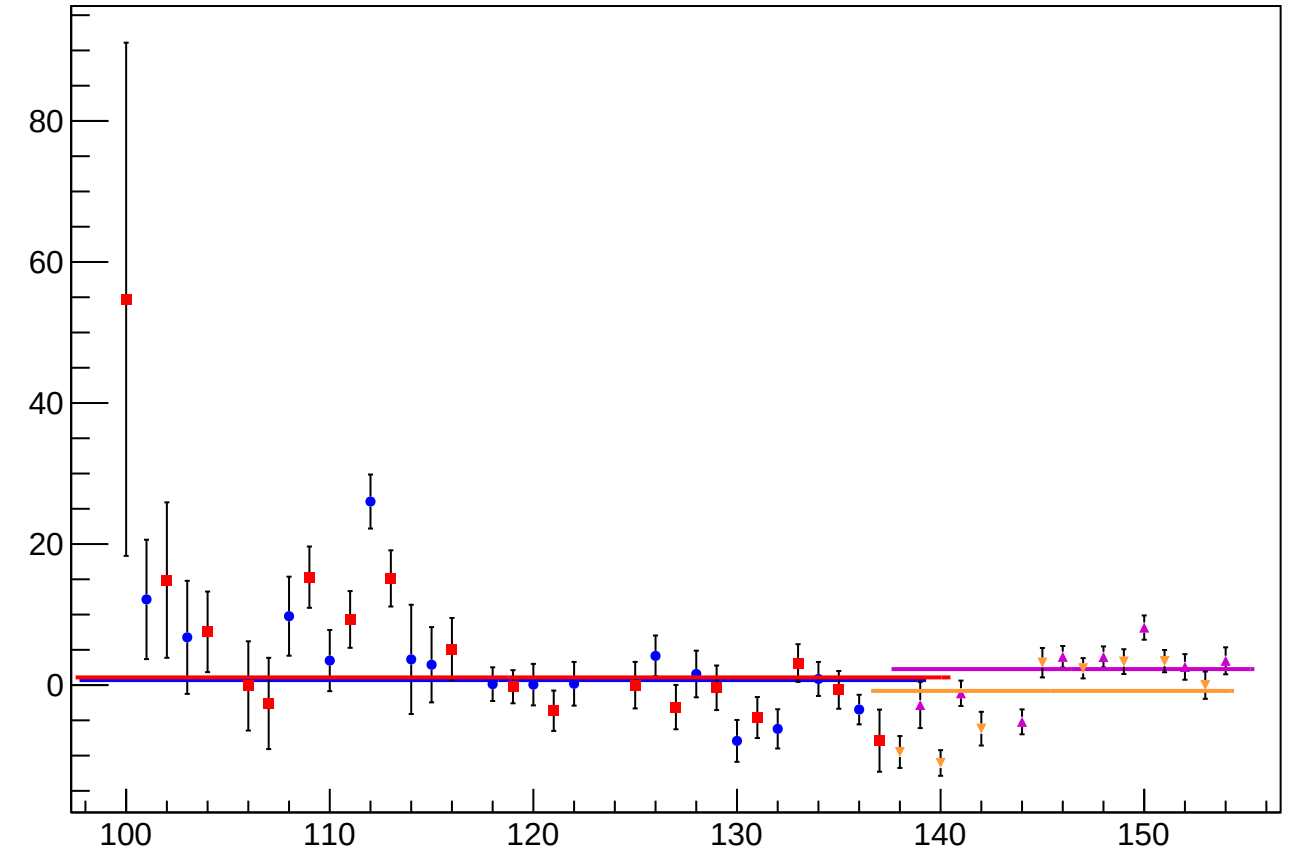
Left: -90.151+/-0.536 χ^2/NDF: 287.0/15

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.271+/-0.549 χ^2/NDF:1762.0/23

Out: -94.201+/-0.568 χ^2/NDF:2514.3/25

All: -94.754+/-0.395 χ^2/NDF: 4278.1/49



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: 2.268+/-0.630 χ^2/NDF:38.8/7

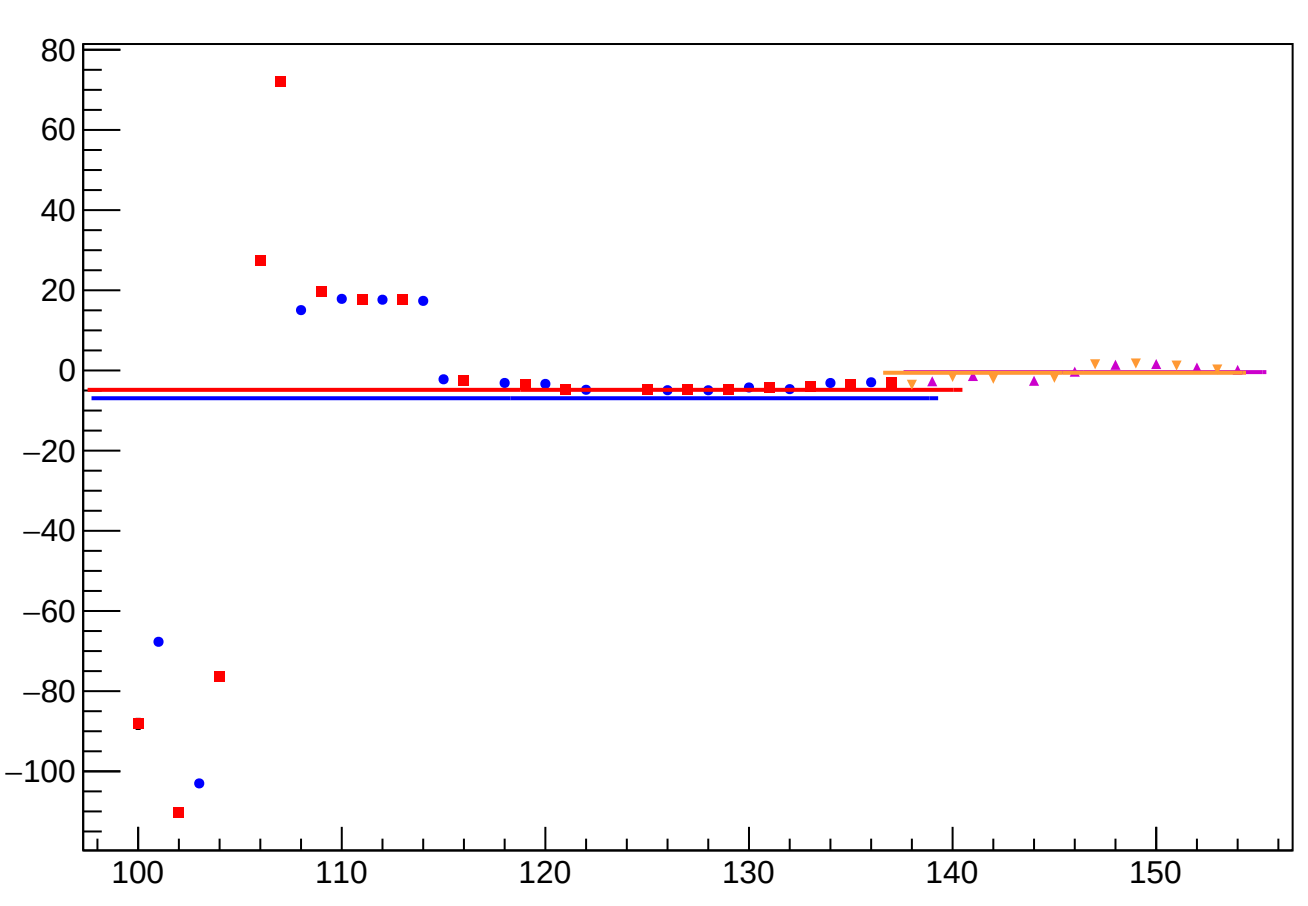
Left: 0.766+/-0.452 χ^2/NDF: 123.4/15

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 1.691+/-0.500 χ^2/NDF:110.6/23

Out: -0.128+/-0.517 χ^2/NDF:123.7/25

All: 0.812+/-0.359 χ^2/NDF: 240.8/49



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.570+/-0.031 χ^2/NDF:3631.3/7

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.411+/-0.029 χ^2/NDF:3002.8/7

Left: -0.485+/-0.021 χ^2/NDF: 6648.1/15

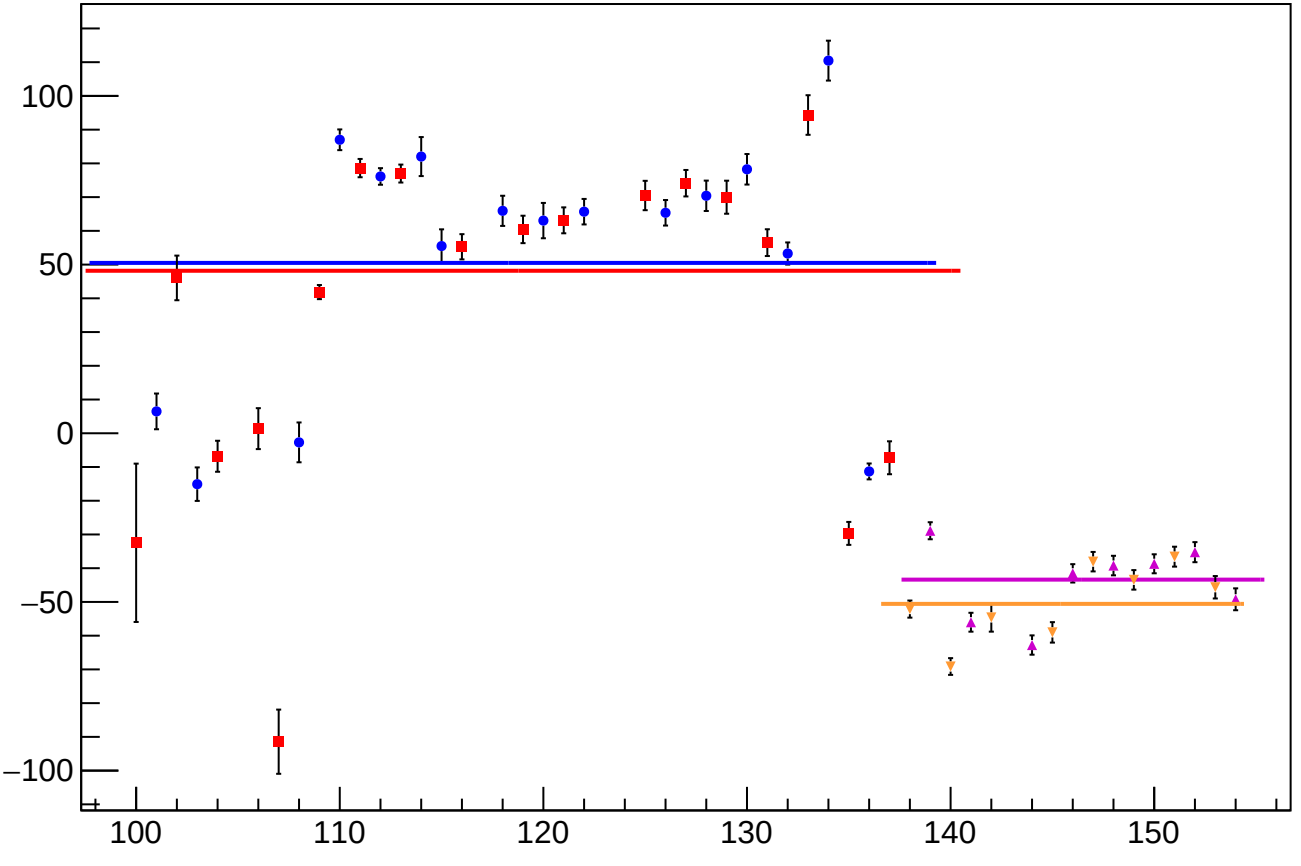
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -2.126+/-0.025 χ^2/NDF:281472.1/23

Out: -1.675+/-0.027 χ^2/NDF:347822.6/25

All: -1.918+/-0.018 χ^2/NDF: 629446.7/49

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: -43.386+/-1.002 χ^2/NDF:115.3/7

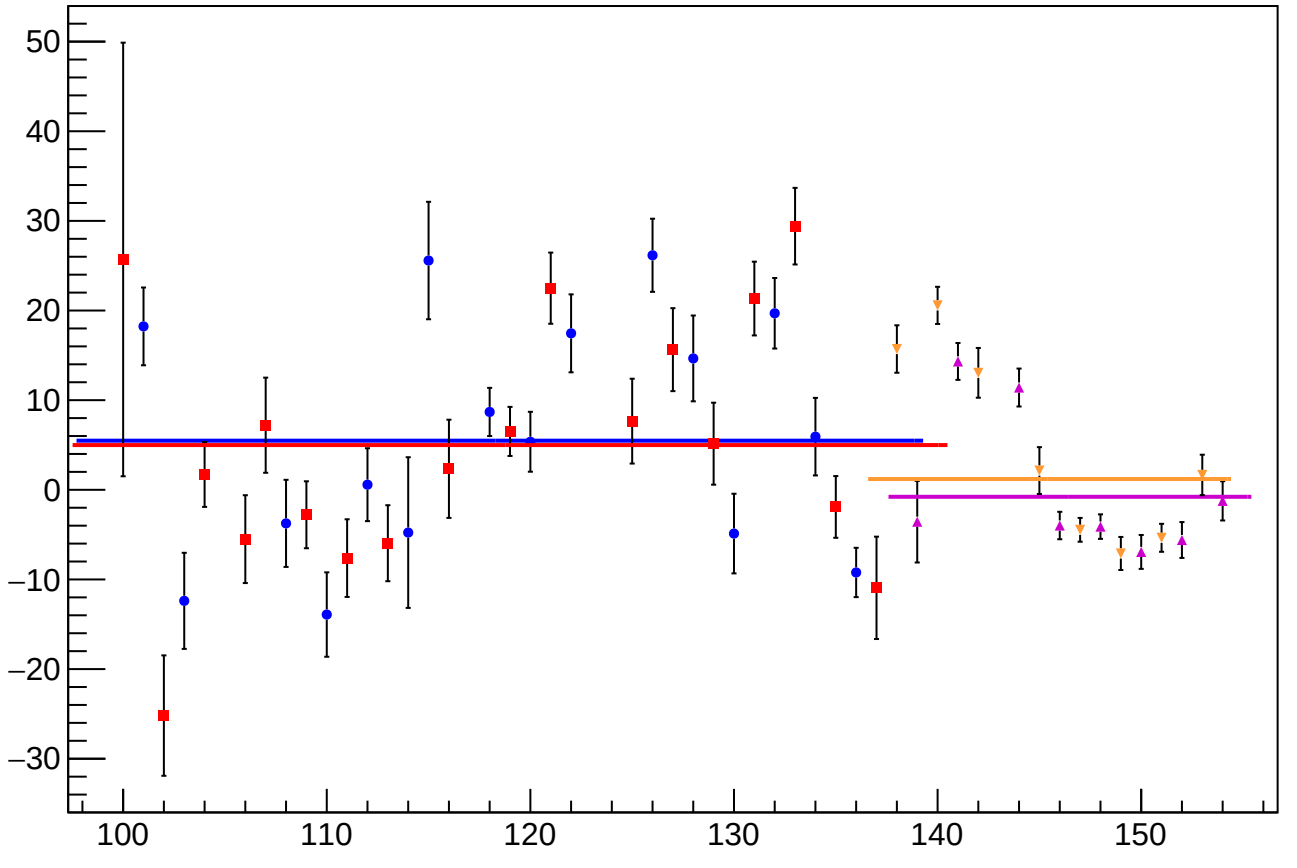
Left: -46.854+/-0.721 χ^2/NDF: 254.6/15

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 5.325+/-0.695 χ^2/NDF:6170.7/23

Out: 5.041+/-0.686 χ^2/NDF:6729.0/25

All: 5.181+/-0.488 χ^2/NDF: 12899.8/49



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: -0.779+/-0.673 χ^2/NDF:114.3/7

Left: 0.192+/-0.481 χ^2/NDF: 310.4/15

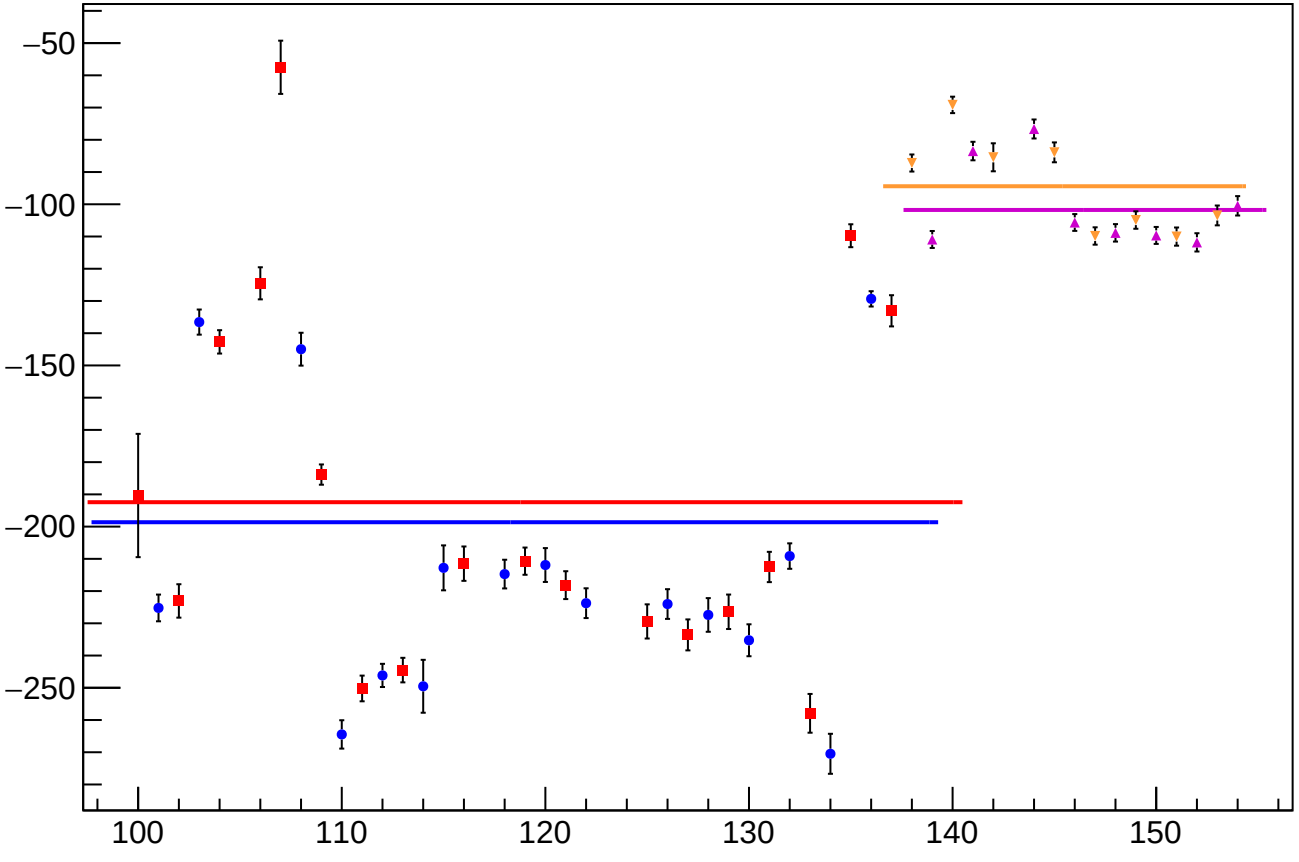
Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 1.117+/-0.562 χ^2/NDF:278.6/23

Out: 2.381+/-0.570 χ^2/NDF:333.2/25

All: 1.740+/-0.400 χ^2/NDF: 614.3/49

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -94.409+/-1.020 χ^2/NDF:208.4/7

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.763+/-0.979 χ^2/NDF:156.2/7

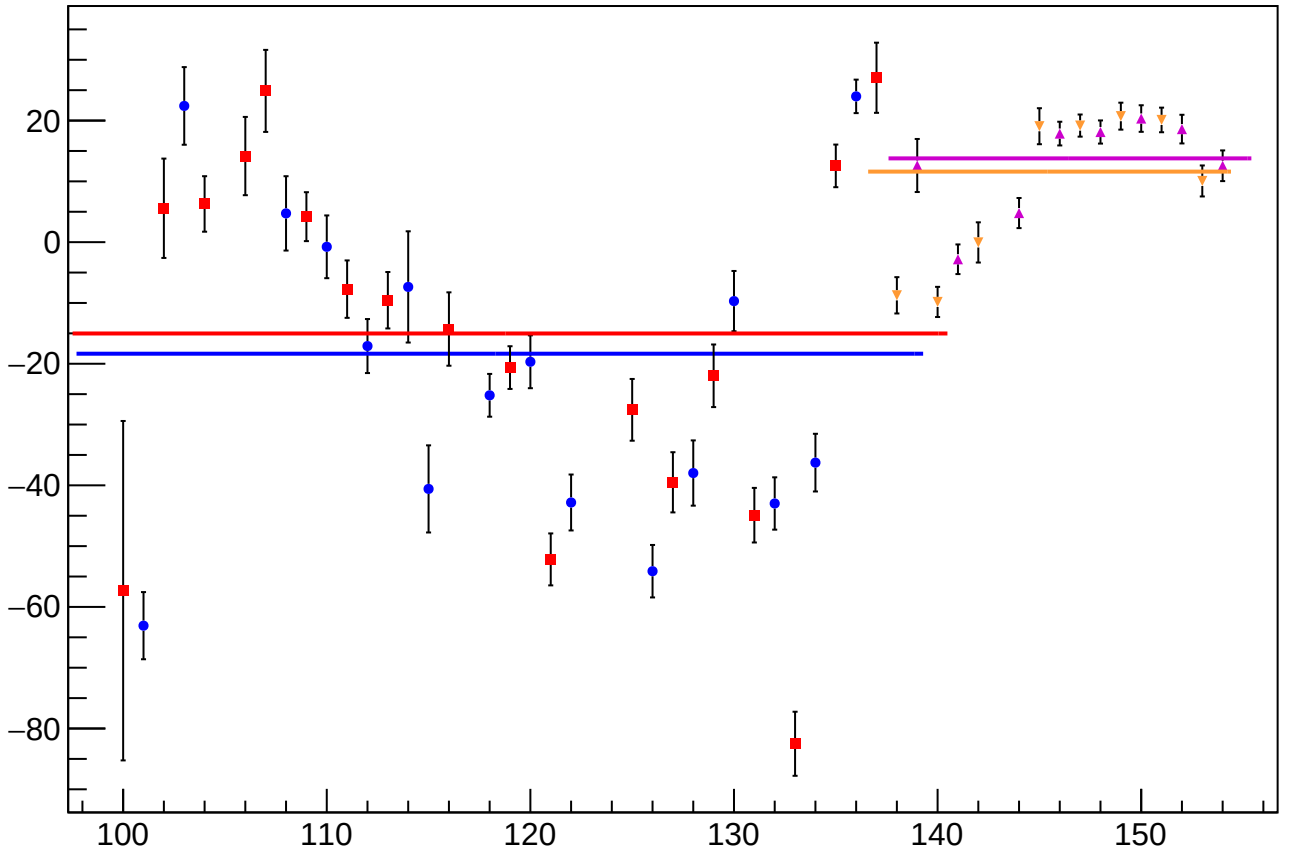
Left: -98.238+/-0.706 χ^2/NDF: 391.6/15

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

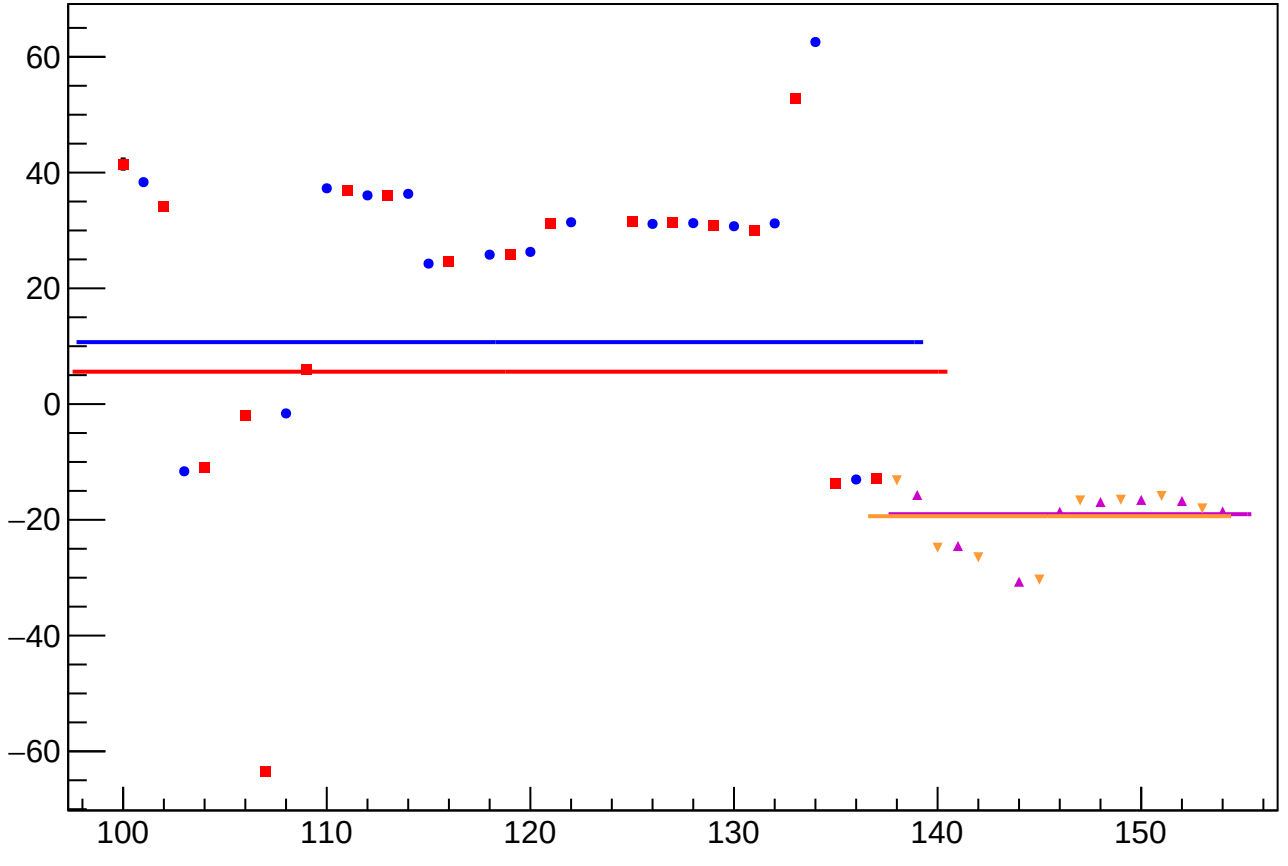
In: -145.307+/-0.726 χ^2/NDF:6560.6/23

Out: -140.645+/-0.742 χ^2/NDF:6701.0/25

All: -143.024+/-0.519 χ^2/NDF: 13281.7/49


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -18.348+/-1.159 χ²/NDF: 543.9/15
Left Out: 11.606+/-0.850 χ²/NDF:192.0/7
Right Out: -15.021+/-1.162 χ²/NDF: 546.4/17
Left In: 13.780+/-0.825 χ²/NDF:82.6/7
Left: 12.726+/-0.592 χ²/NDF: 278.0/15
Right: -16.688+/-0.821 χ²/NDF: 1094.5/33
In: 2.979+/-0.672 χ²/NDF:1136.2/23
Out: 2.318+/-0.686 χ²/NDF:1080.6/25
All: 2.655+/-0.480 χ²/NDF: 2217.3/49

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: -19.026+/-0.038 χ^2/NDF:12729.4/7

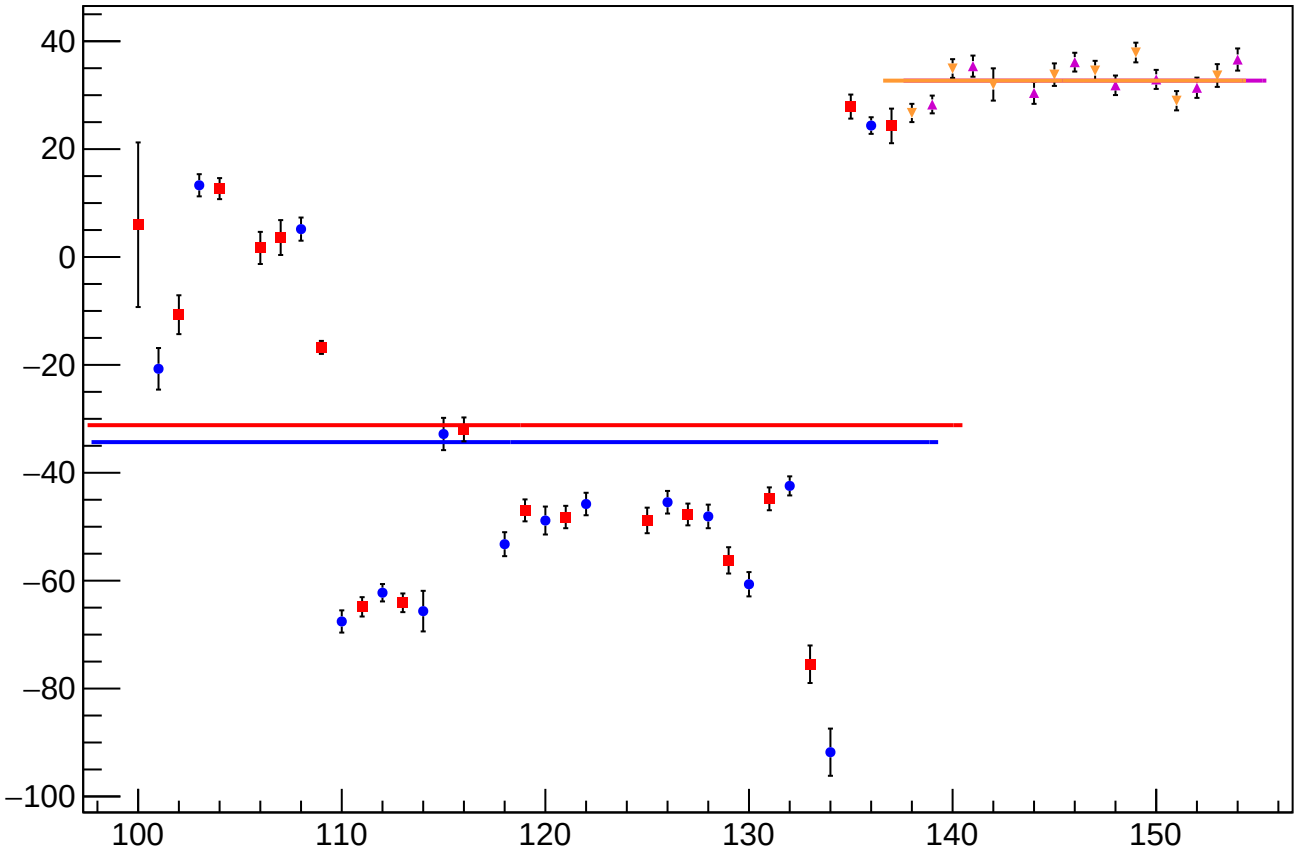
Left: -19.186+/-0.028 χ^2/NDF: 30664.2/15

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -11.038+/-0.033 χ^2/NDF:340952.0/23

Out: -11.998+/-0.035 χ^2/NDF:281409.9/25

All: -11.490+/-0.024 χ^2/NDF: 622770.5/49



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 32.695+/-0.680 χ^2/NDF:28.3/7

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.698+/-0.653 χ^2/NDF:18.6/7

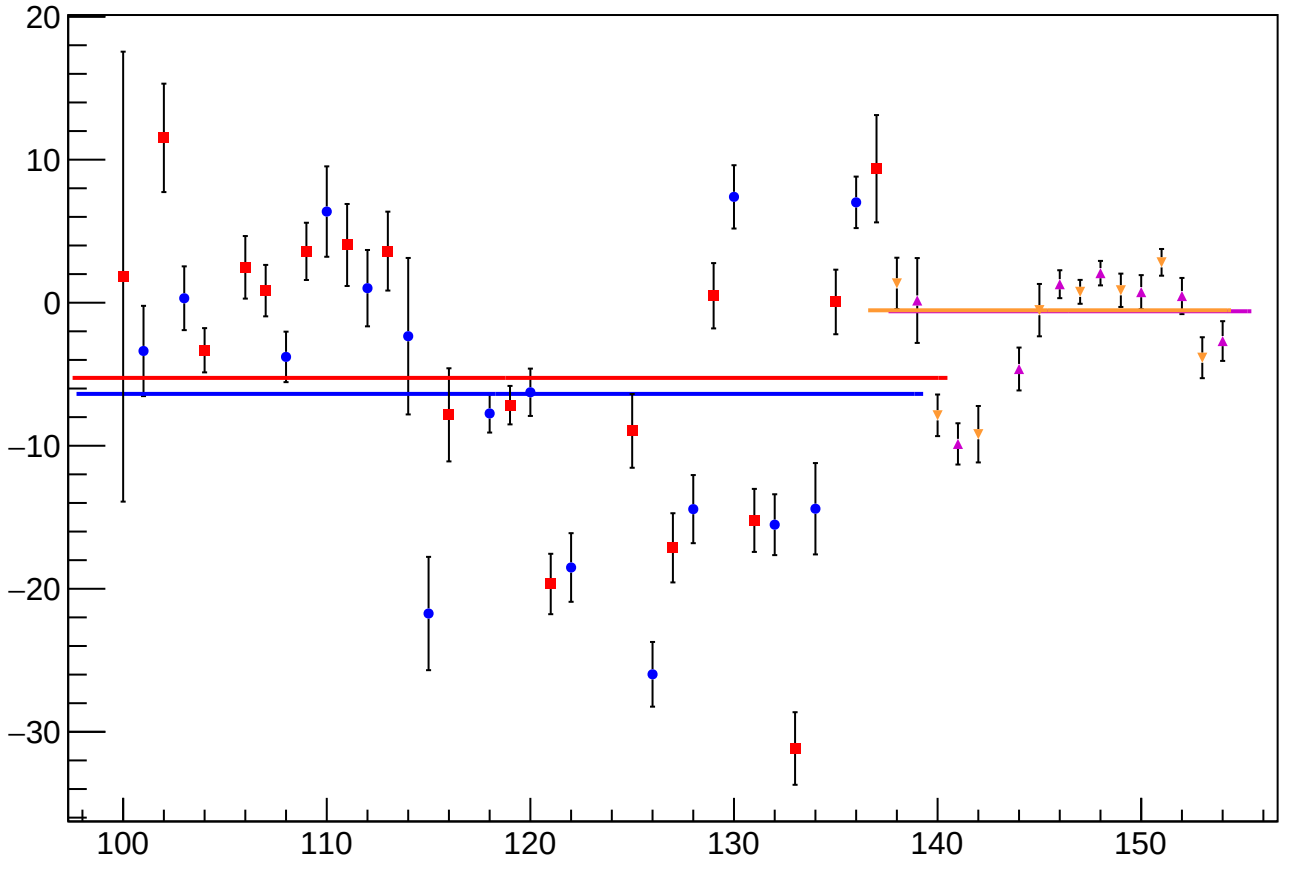
Left: 32.697+/-0.471 χ^2/NDF: 46.9/15

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -6.611+/-0.420 χ^2/NDF:9706.0/23

Out: -7.840+/-0.411 χ^2/NDF:8832.1/25

All: -7.238+/-0.294 χ^2/NDF: 18542.5/49



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: -0.599+/-0.434 χ^2/NDF:66.3/7

Left: -0.566+/-0.309 χ^2/NDF: 134.3/15

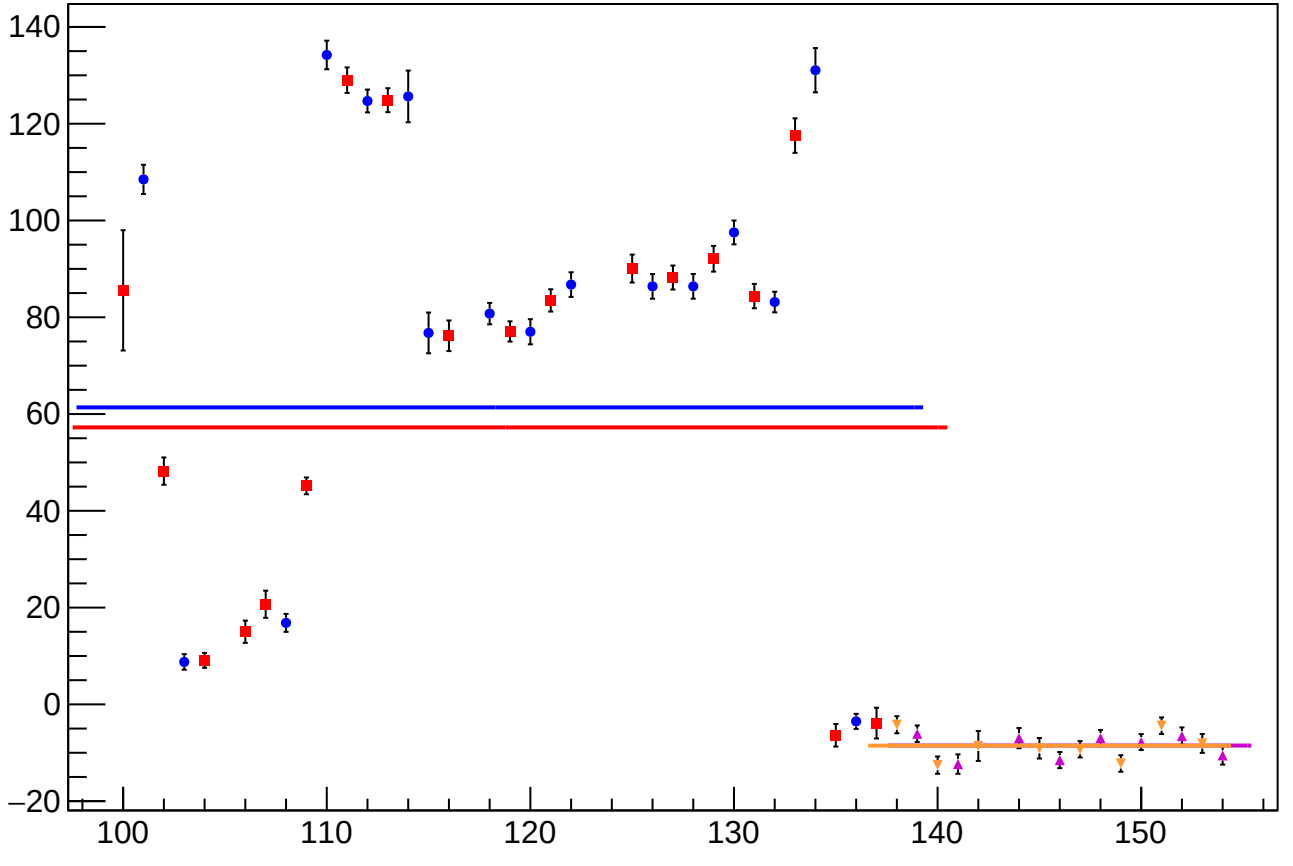
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.798+/-0.342 χ^2/NDF:417.3/23

Out: -2.454+/-0.340 χ^2/NDF:427.6/25

All: -2.625+/-0.241 χ^2/NDF: 845.4/49

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: -8.509+/-0.635 χ^2/NDF:12.7/7

Left: -8.517+/-0.459 χ^2/NDF: 34.7/15

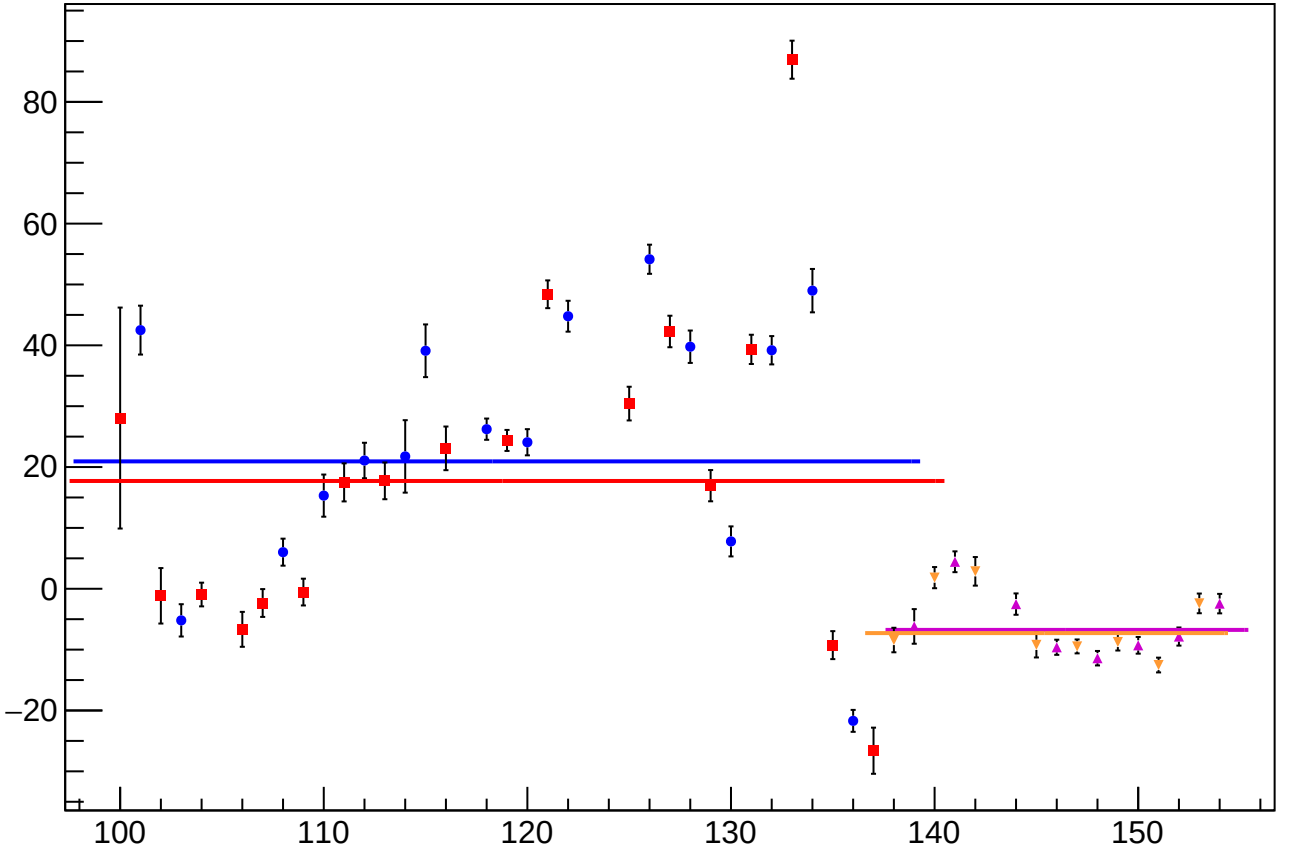
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 28.754+/-0.434 χ^2/NDF:12534.3/23

Out: 28.810+/-0.437 χ^2/NDF:10843.9/25

All: 28.782+/-0.308 χ^2/NDF: 23378.2/49

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -7.284+/-0.548 χ^2/NDF:79.8/7

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.759+/-0.533 χ^2/NDF:80.5/7

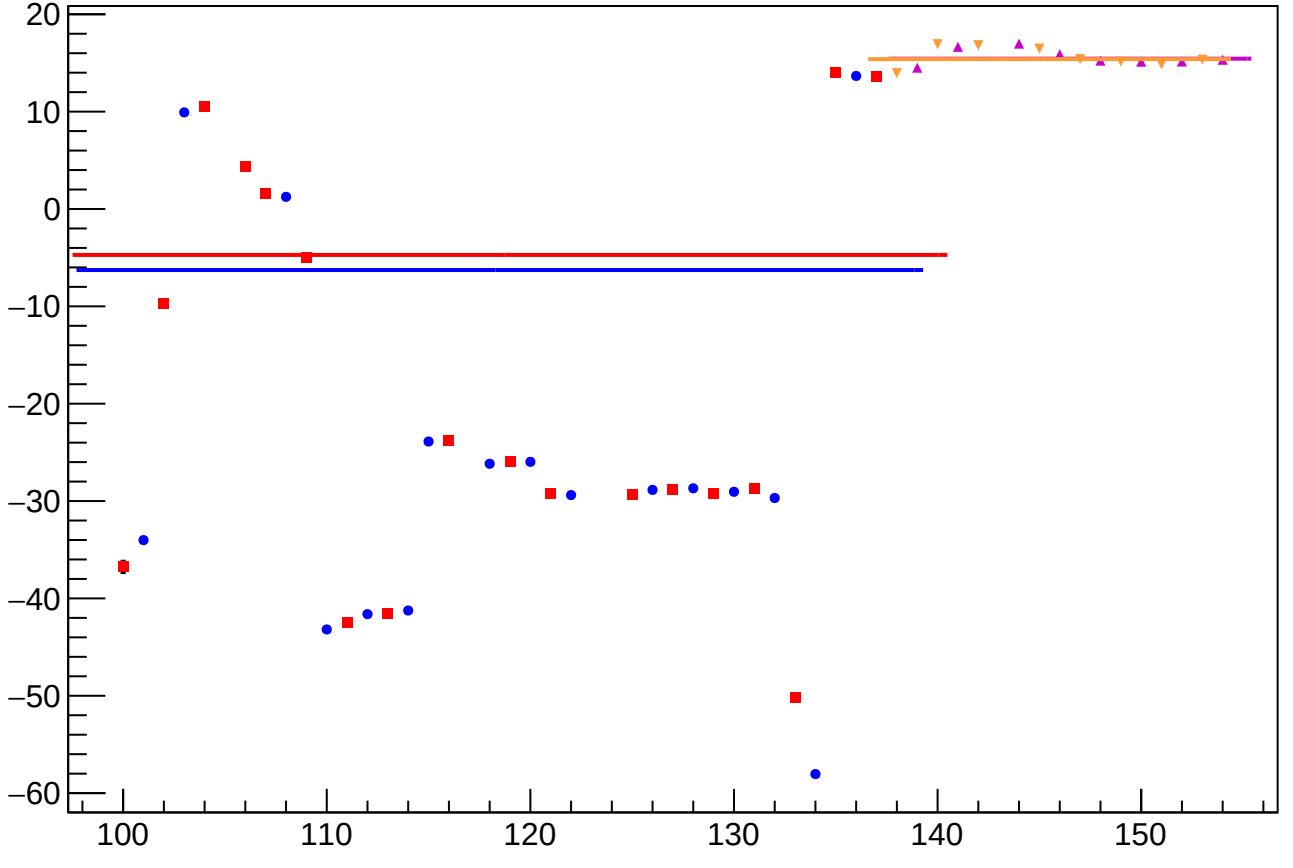
Left: -7.015+/-0.382 χ^2/NDF: 160.8/15

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 4.588+/-0.410 χ^2/NDF:2430.2/23

Out: 3.723+/-0.410 χ^2/NDF:2476.9/25

All: 4.156+/-0.290 χ^2/NDF: 4909.3/49



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: 15.438+/-0.025 χ^2/NDF:819.4/7

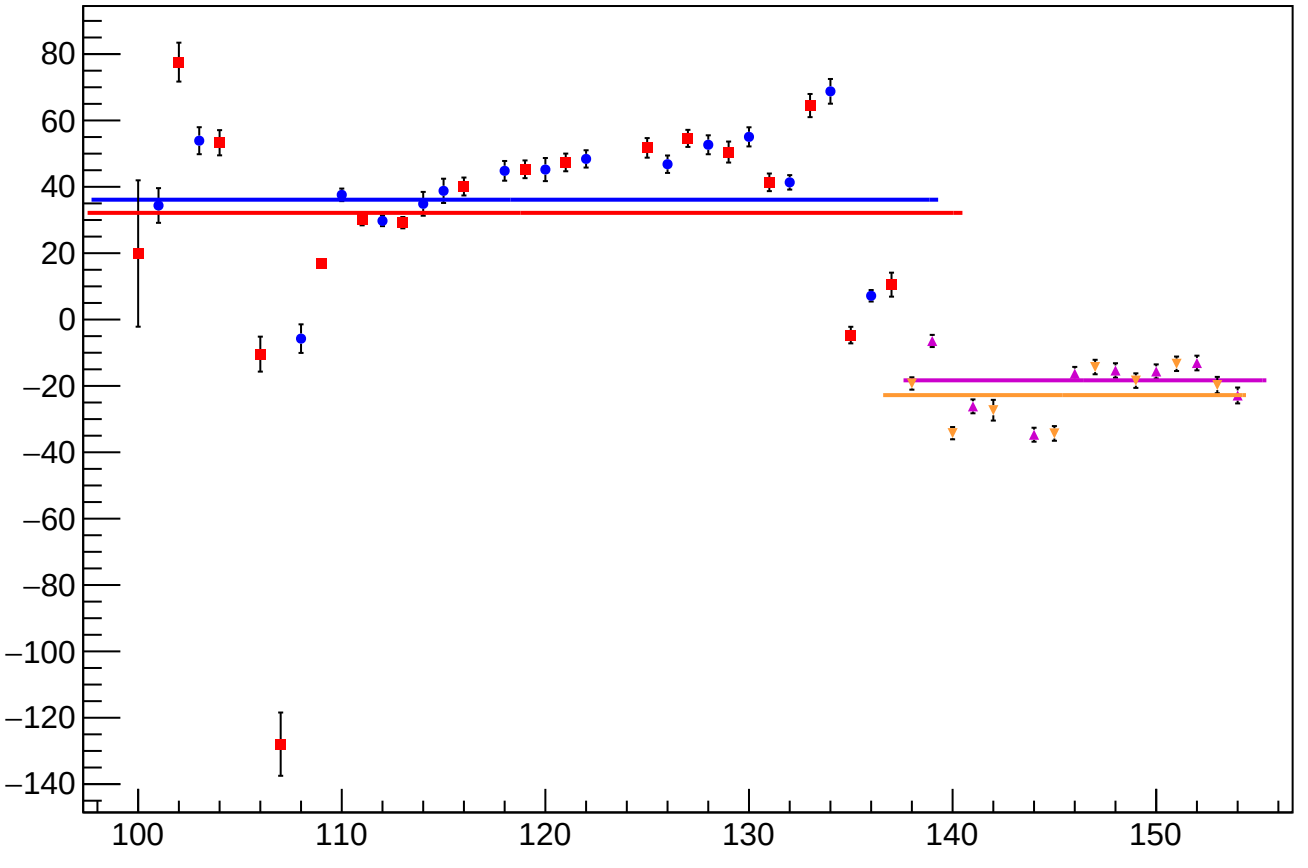
Left: 15.417+/-0.018 χ^2/NDF: 2005.3/15

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 7.786+/-0.020 χ^2/NDF:684568.7/23

Out: 7.610+/-0.021 χ^2/NDF:526362.0/25

All: 7.703+/-0.014 χ^2/NDF: 1210968.0/49



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -22.771+/-0.772 χ^2/NDF:110.5/7

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -18.315+/-0.745 χ^2/NDF:130.1/7

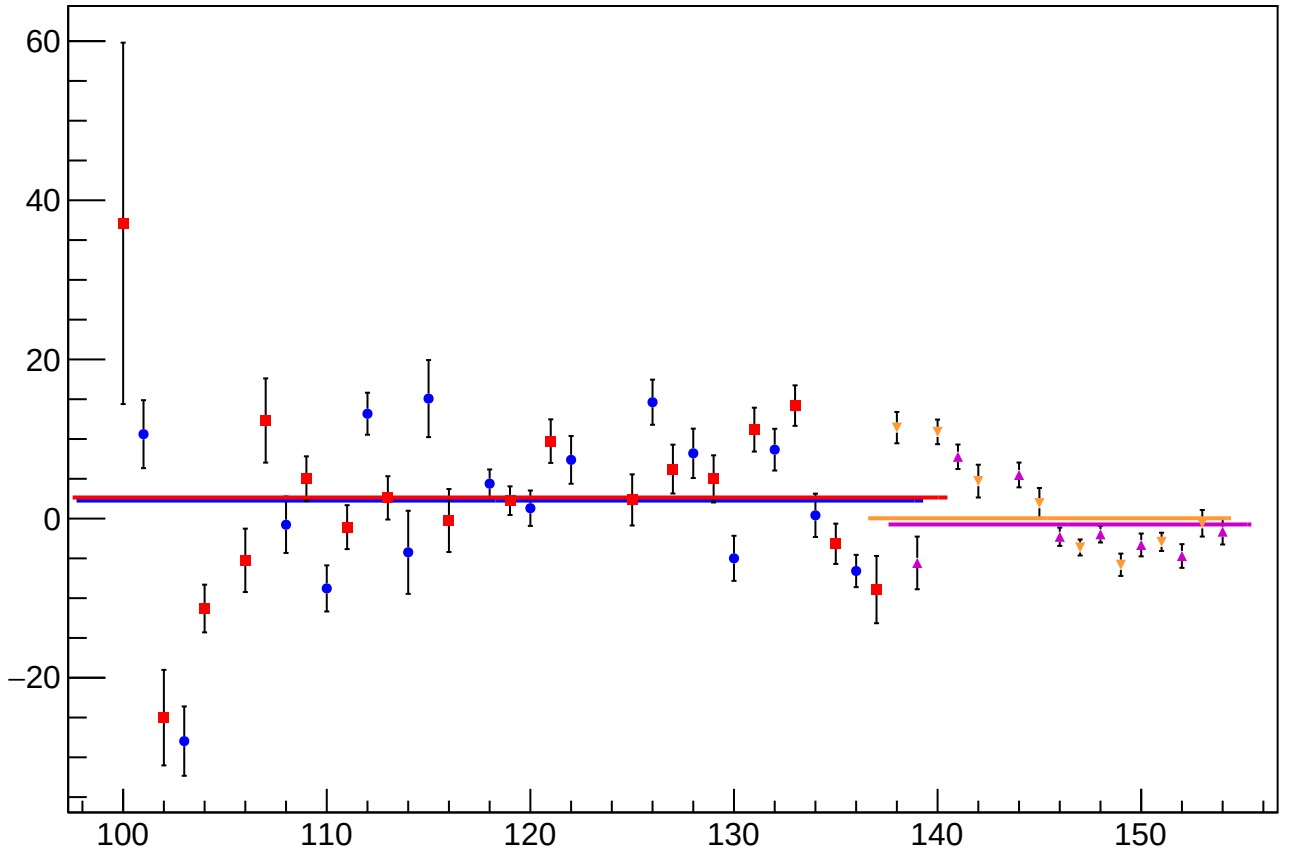
Left: -20.464+/-0.536 χ^2/NDF: 257.9/15

Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 12.327+/-0.493 χ^2/NDF:3758.4/23

Out: 10.172+/-0.488 χ^2/NDF:4260.4/25

All: 11.240+/-0.347 χ^2/NDF: 8028.5/49



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: -0.738+/-0.504 χ^2/NDF:62.5/7

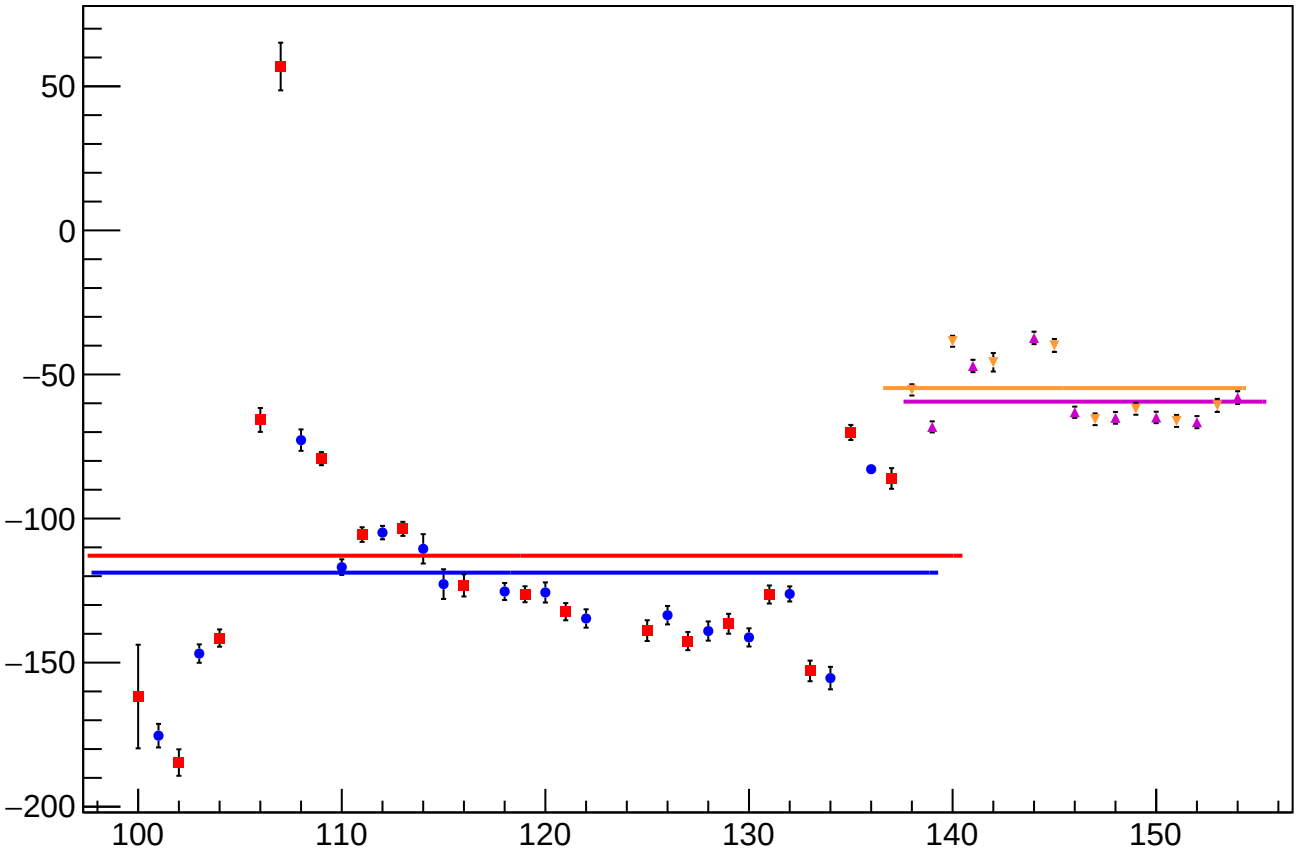
Left: -0.356+/-0.359 χ^2/NDF: 190.0/15

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.283+/-0.409 χ^2/NDF:226.6/23

Out: 0.927+/-0.417 χ^2/NDF:242.3/25

All: 0.599+/-0.292 χ^2/NDF: 470.2/49



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: -59.434+/-0.728 χ^2/NDF:189.0/7

Left: -57.180+/-0.526 χ^2/NDF: 410.3/15

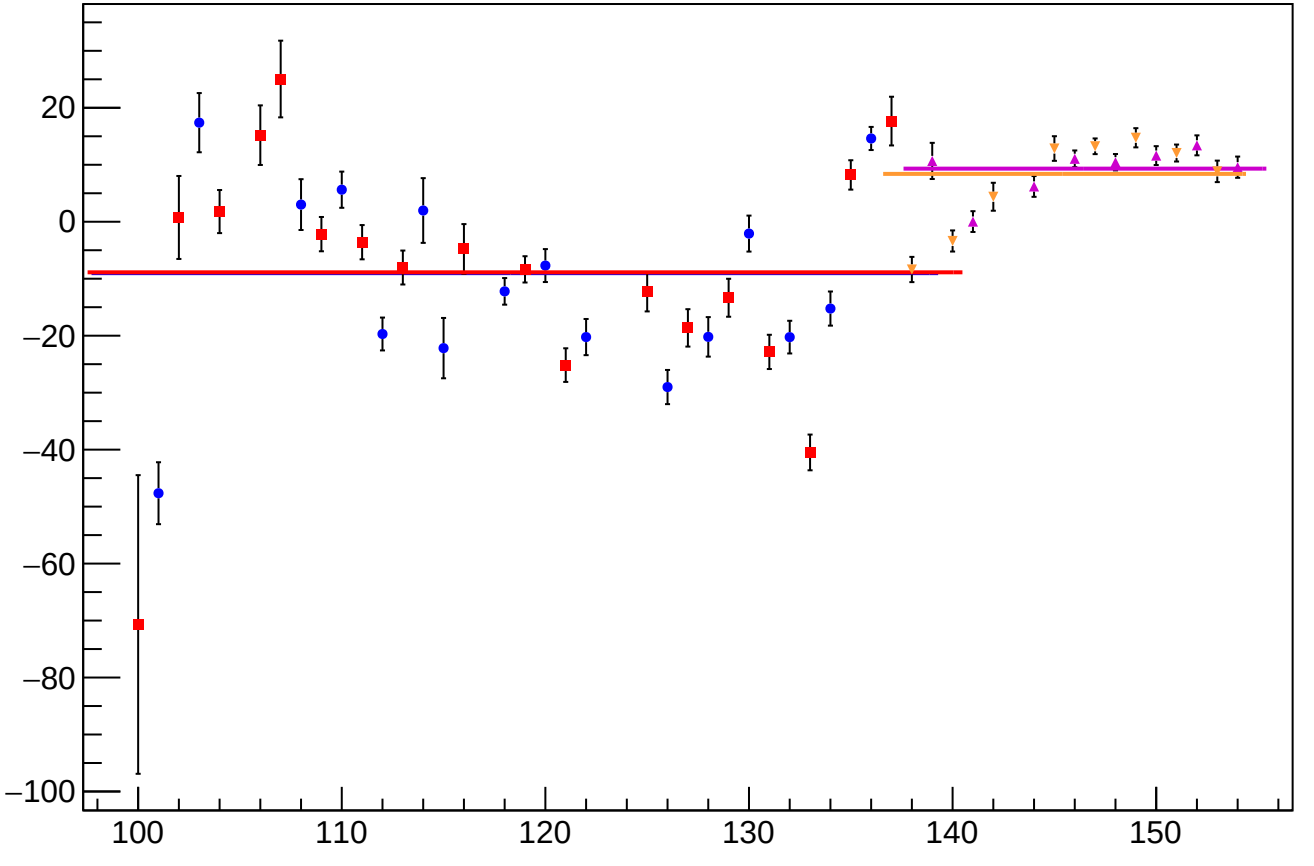
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -87.962+/-0.525 χ^2/NDF:4501.3/23

Out: -83.751+/-0.537 χ^2/NDF:4992.2/25

All: -85.907+/-0.375 χ^2/NDF: 9524.9/49

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: 9.320+/-0.616 χ^2/NDF:38.5/7

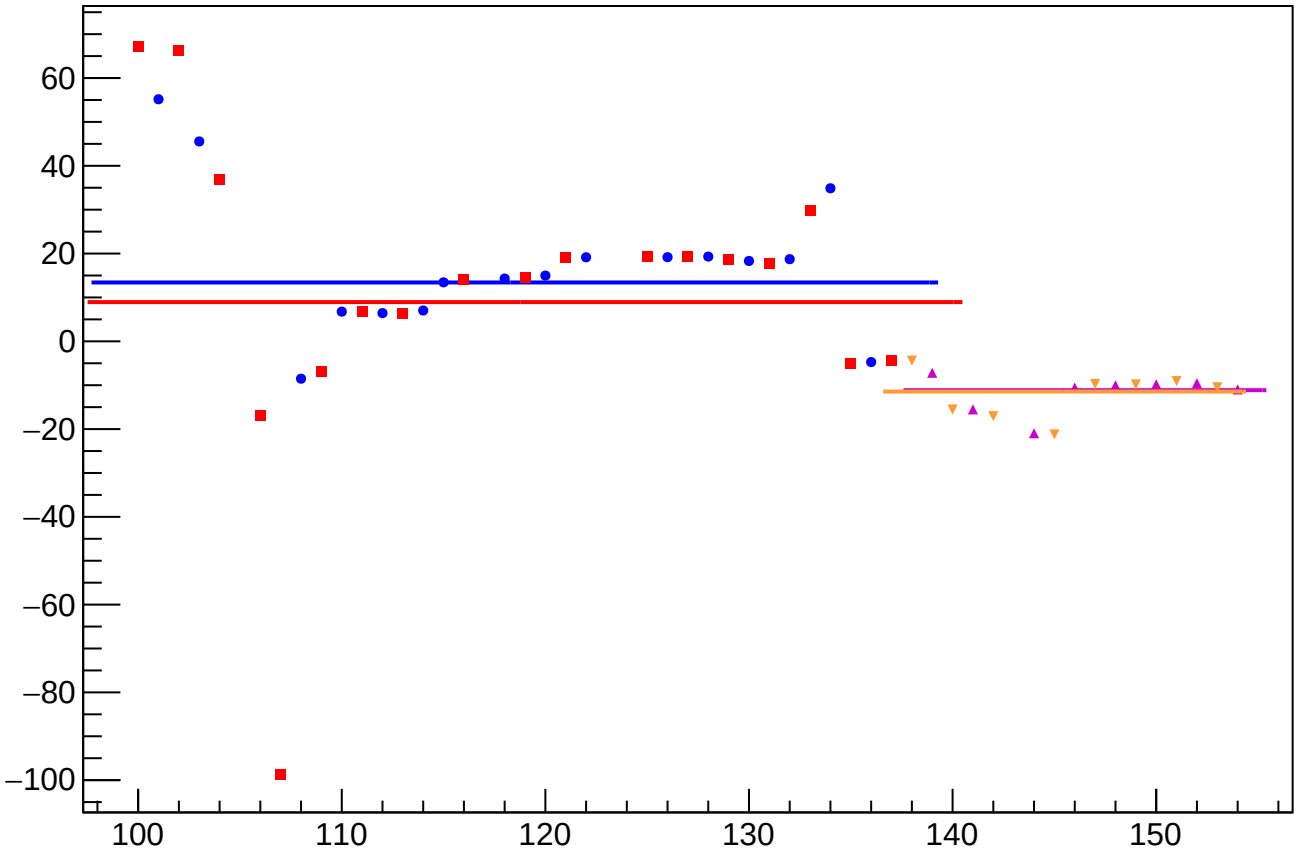
Left: 8.872+/-0.442 χ^2/NDF: 176.9/15

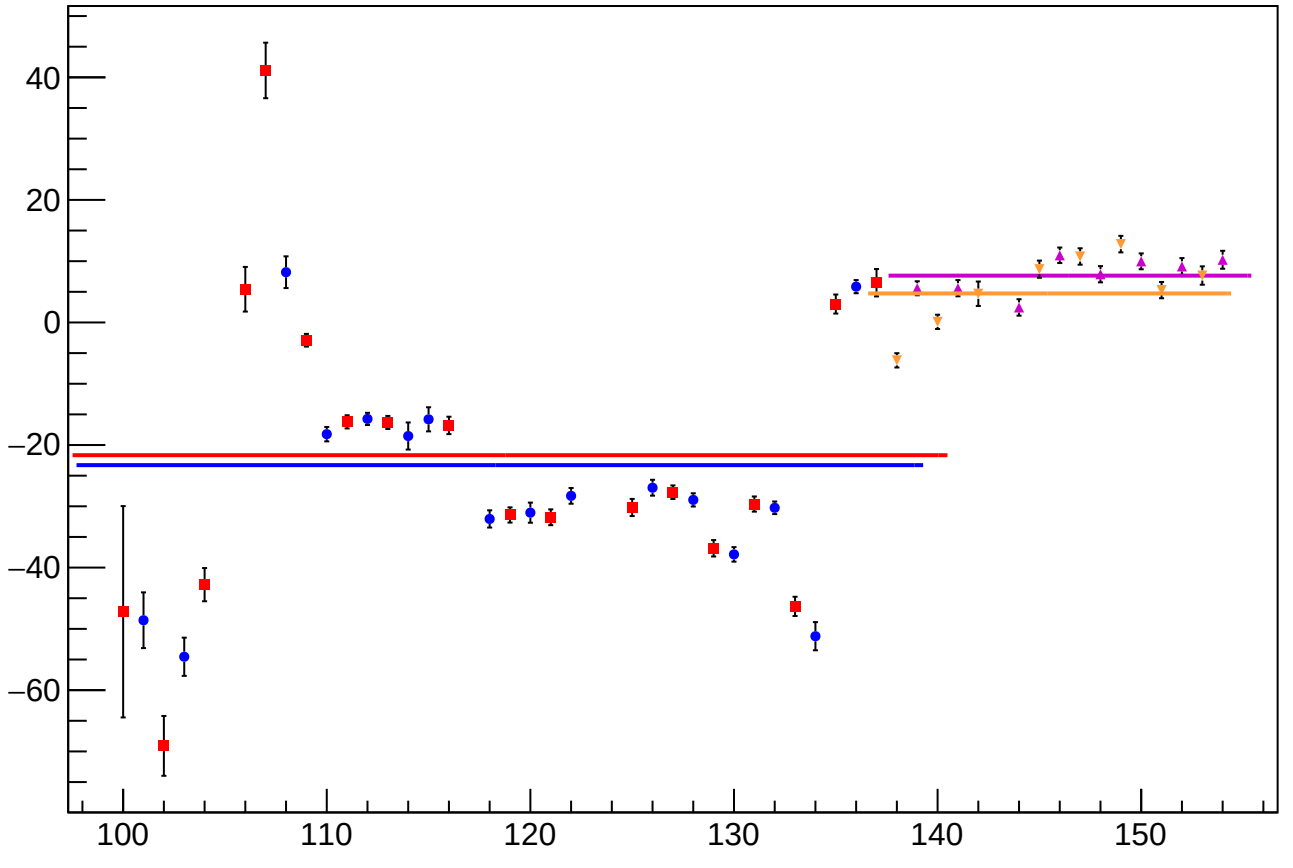
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.441+/-0.487 χ^2/NDF:728.6/23

Out: 1.838+/-0.499 χ^2/NDF:738.0/25

All: 2.147+/-0.349 χ^2/NDF: 1467.3/49


reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 13.412+/-0.045 χ²/NDF: 183707.4/15
Left Out: -11.439+/-0.031 χ²/NDF:26457.8/7
Right Out: 8.943+/-0.047 χ²/NDF: 291126.5/17
Left In: -11.131+/-0.028 χ²/NDF:17112.0/7
Left: -11.274+/-0.021 χ²/NDF: 43624.3/15
Right: 11.280+/-0.033 χ²/NDF: 479481.6/33
In: -4.228+/-0.024 χ²/NDF:411964.5/23
Out: -5.443+/-0.026 χ²/NDF:448098.0/25
All: -4.794+/-0.018 χ²/NDF: 861255.6/49



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: 7.641+/-0.462 χ^2/NDF:35.1/7

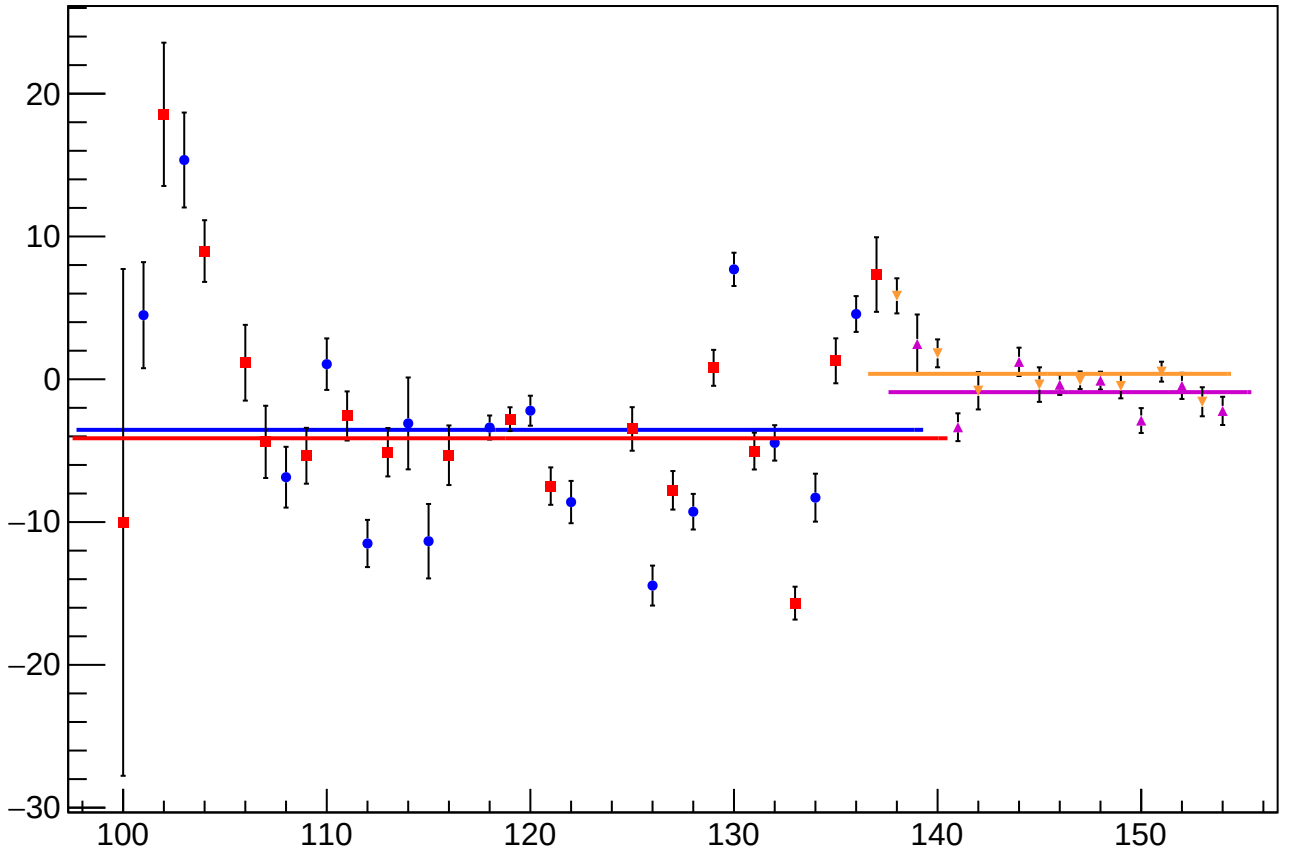
Left: 6.242+/-0.333 χ^2/NDF: 225.4/15

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -11.983+/-0.279 χ^2/NDF:4448.3/23

Out: -12.570+/-0.281 χ^2/NDF:3973.6/25

All: -12.275+/-0.198 χ^2/NDF: 8424.1/49



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: -0.901+/-0.311 χ^2/NDF:23.0/7

Left: -0.272+/-0.222 χ^2/NDF: 59.8/15

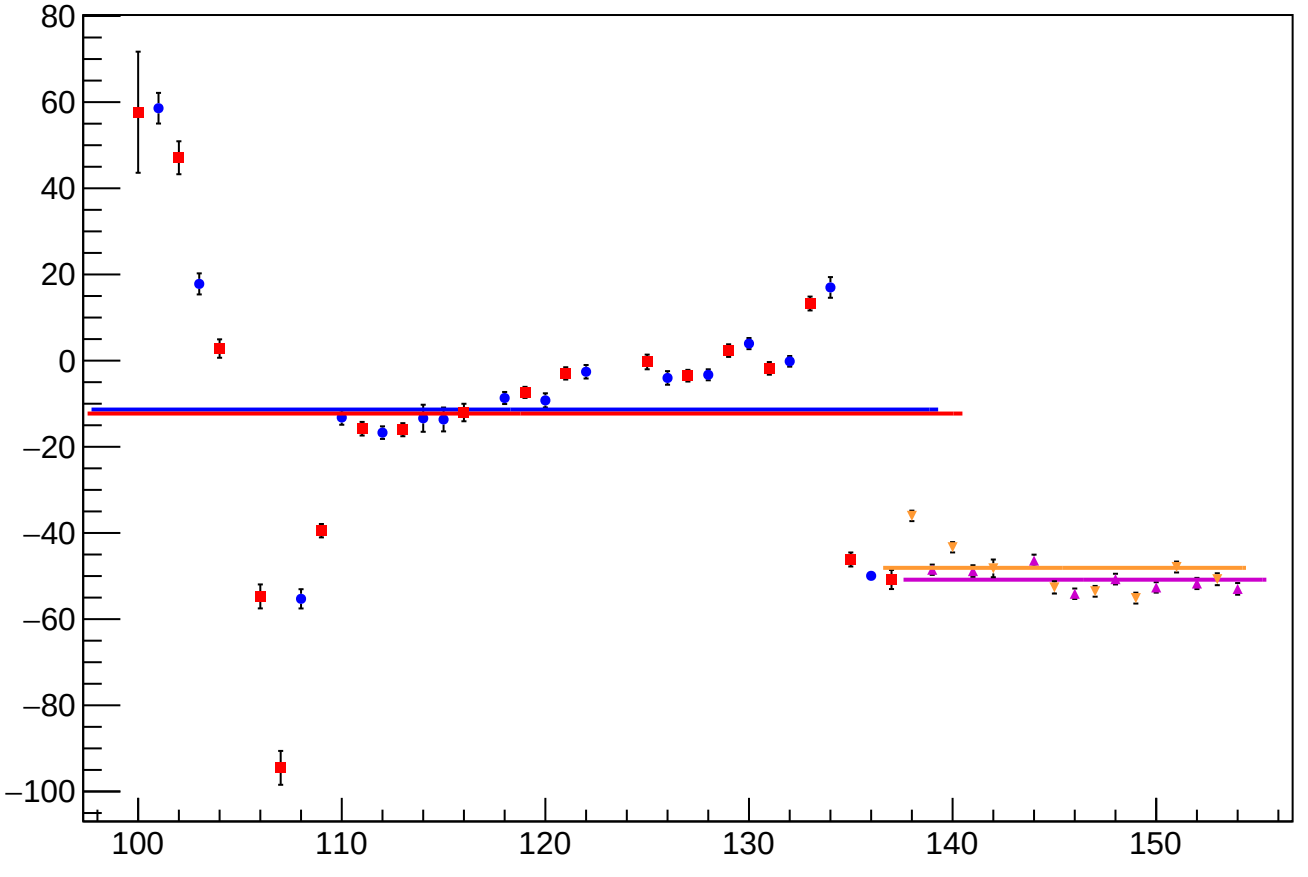
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.018+/-0.236 χ^2/NDF:370.3/23

Out: -1.521+/-0.241 χ^2/NDF:341.6/25

All: -1.775+/-0.168 χ^2/NDF: 714.1/49

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.095+/-0.471 χ^2/NDF:177.8/7

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.845+/-0.451 χ^2/NDF:28.6/7

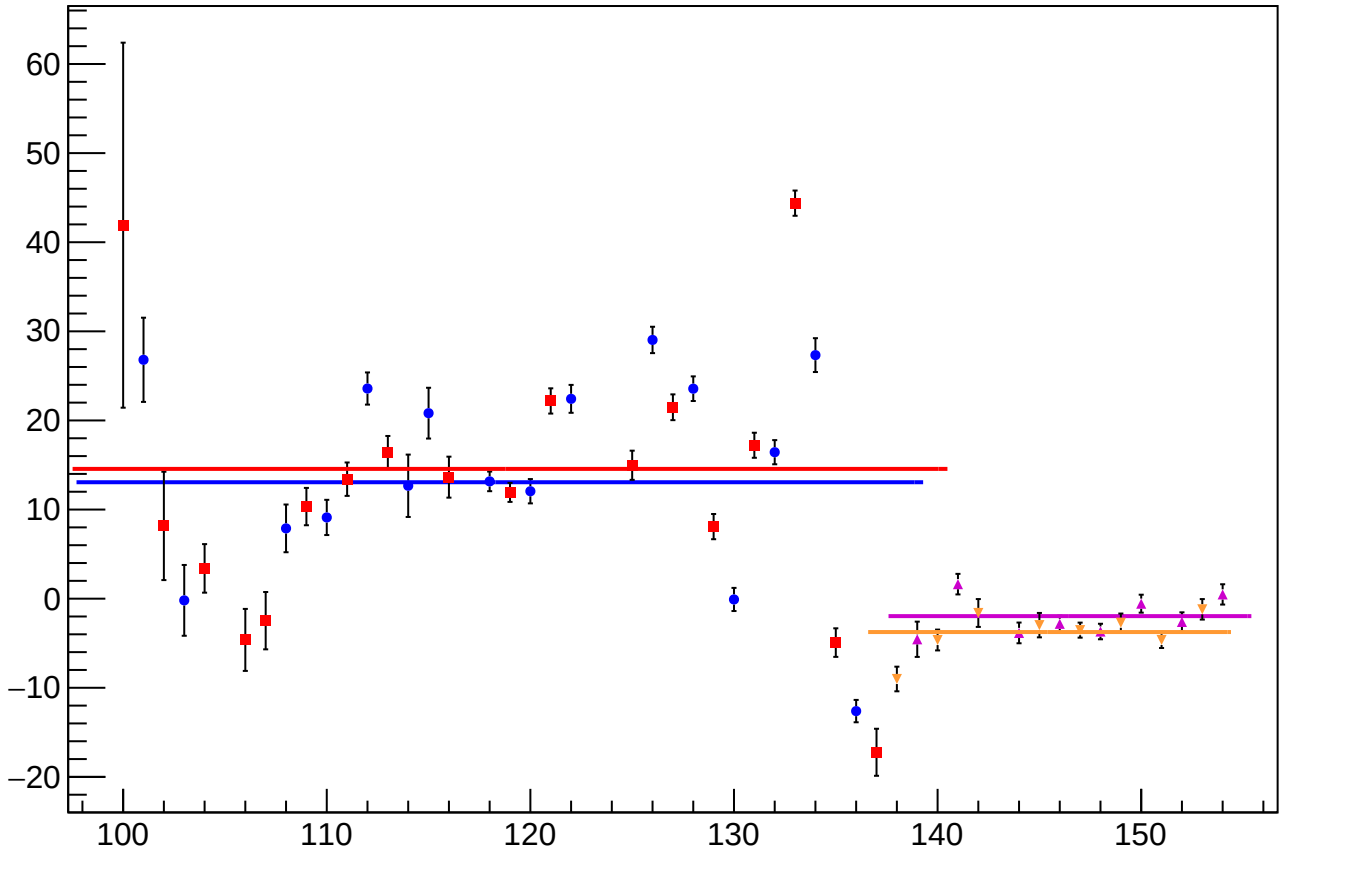
Left: -49.529+/-0.326 χ^2/NDF: 224.2/15

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

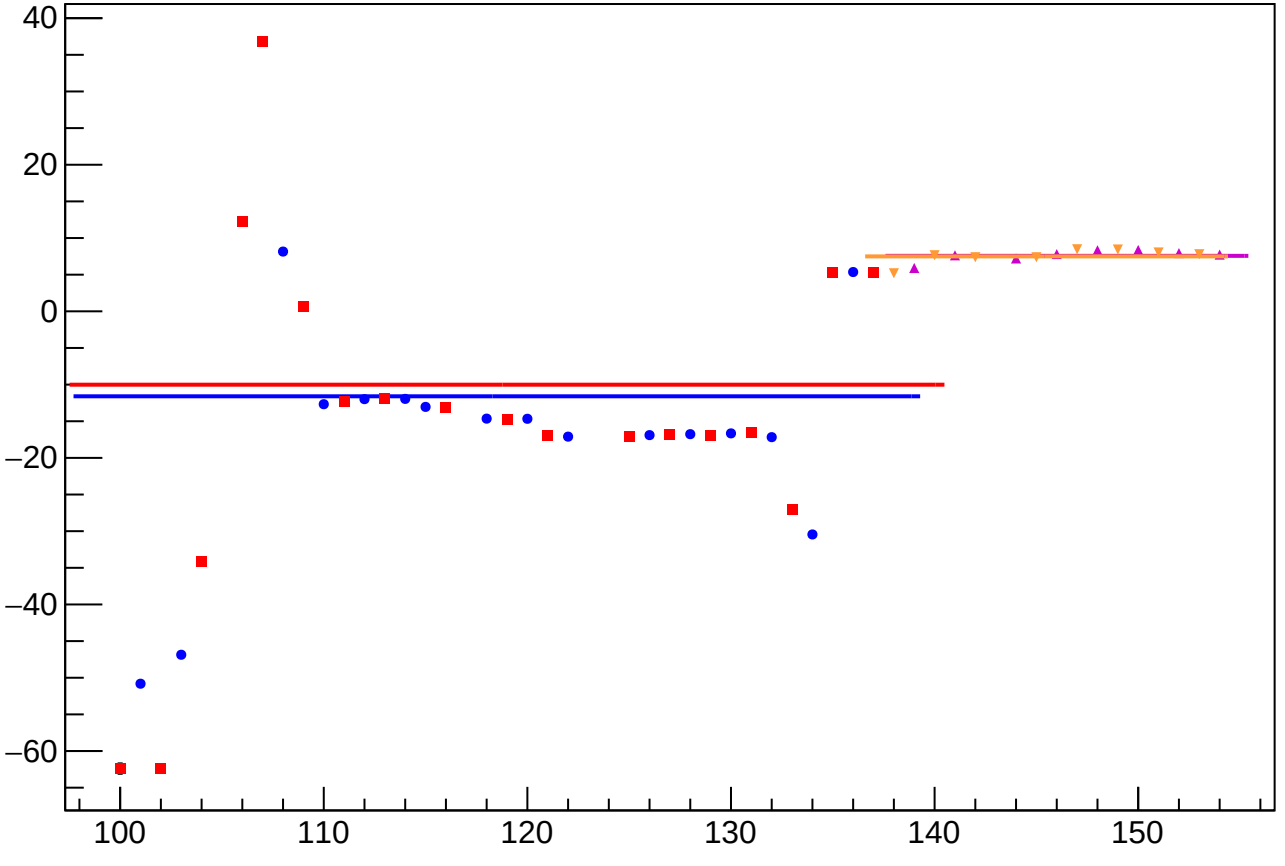
In: -29.026+/-0.302 χ^2/NDF:6930.6/23

Out: -27.869+/-0.310 χ^2/NDF:6038.8/25

All: -28.464+/-0.216 χ^2/NDF: 12976.5/49


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 13.066+/-0.415 χ²/NDF: 863.4/15
Left Out: -3.745+/-0.392 χ²/NDF:24.3/7
Right Out: 14.563+/-0.423 χ²/NDF: 903.1/17
Left In: -1.958+/-0.381 χ²/NDF:25.7/7
Left: -2.826+/-0.273 χ²/NDF: 60.7/15
Right: 13.801+/-0.296 χ²/NDF: 1772.9/33
In: 4.911+/-0.280 χ²/NDF:1601.5/23
Out: 4.719+/-0.287 χ²/NDF:1937.0/25
All: 4.817+/-0.201 χ²/NDF: 3538.7/49

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 7.569+/-0.018 χ^2/NDF:2146.2/7

Left: 7.535+/-0.013 χ^2/NDF: 5259.7/15

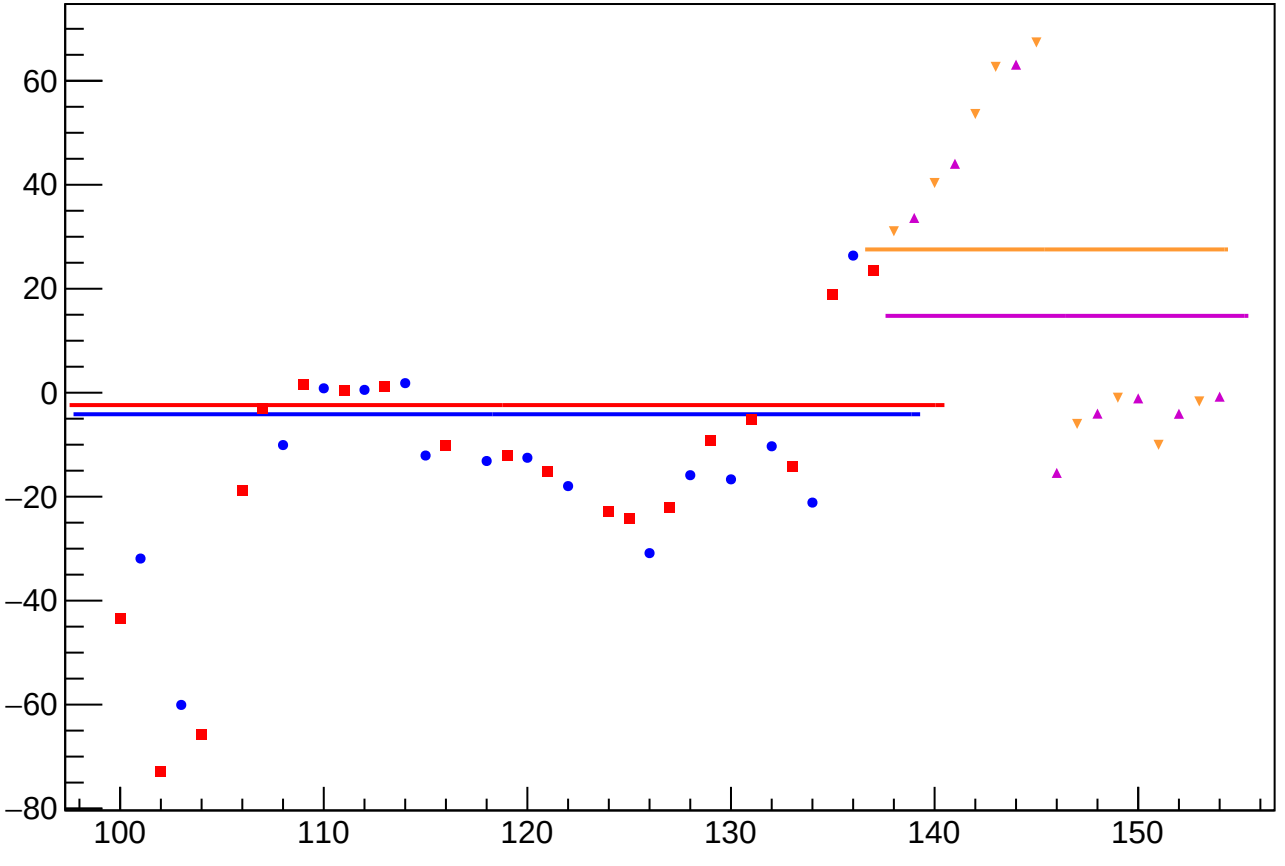
Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 1.684+/-0.015 χ^2/NDF:730334.8/23

Out: 1.840+/-0.016 χ^2/NDF:674853.2/25

All: 1.757+/-0.011 χ^2/NDF: 1405241.9/49

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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: 14.783+/-0.081 χ^2/NDF:90256.9/7

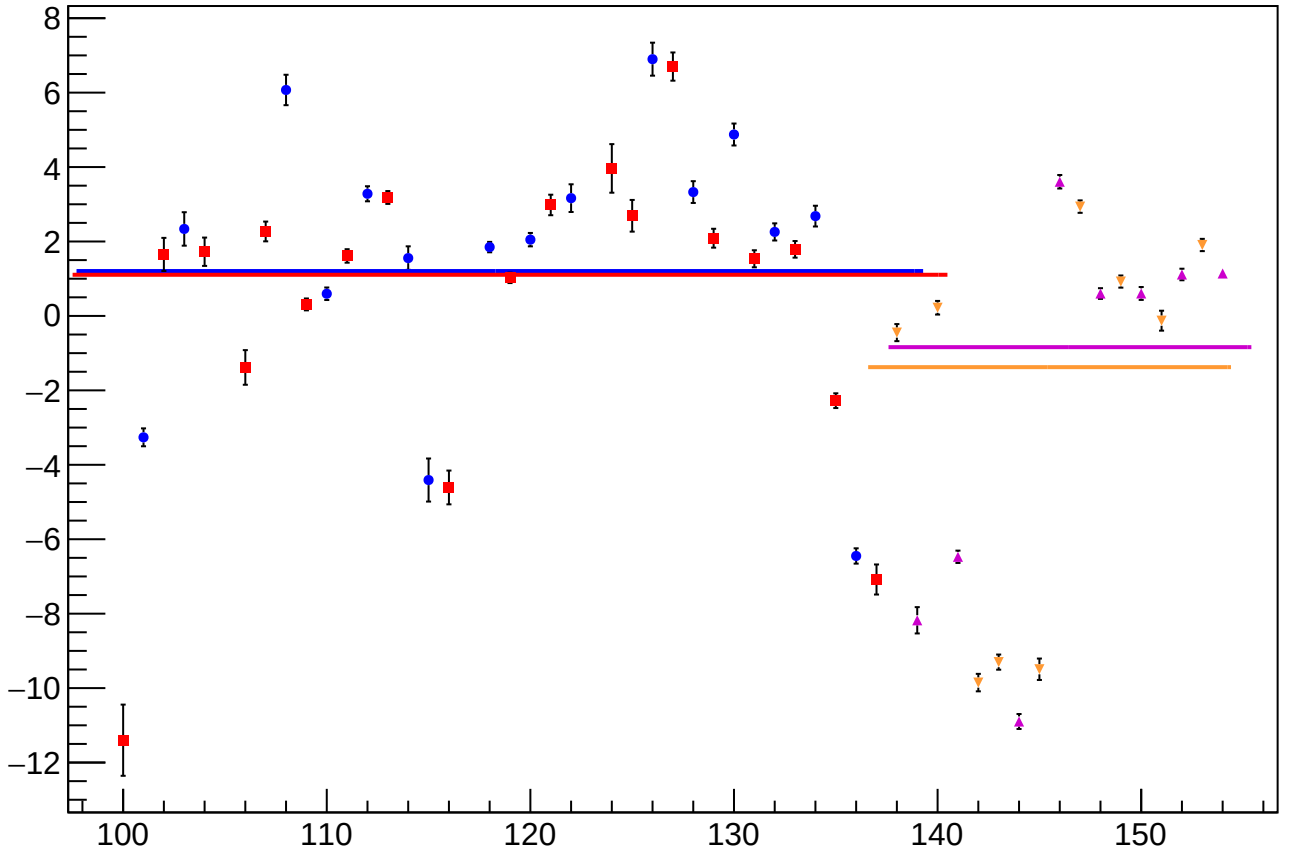
Left: 20.322+/-0.061 χ^2/NDF: 180039.9/16

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 1.817+/-0.045 χ^2/NDF:203261.8/23

Out: 3.616+/-0.041 χ^2/NDF:244030.3/27

All: 2.800+/-0.030 χ^2/NDF: 448155.8/51



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: -0.839+/-0.057 χ^2/NDF:5367.8/7

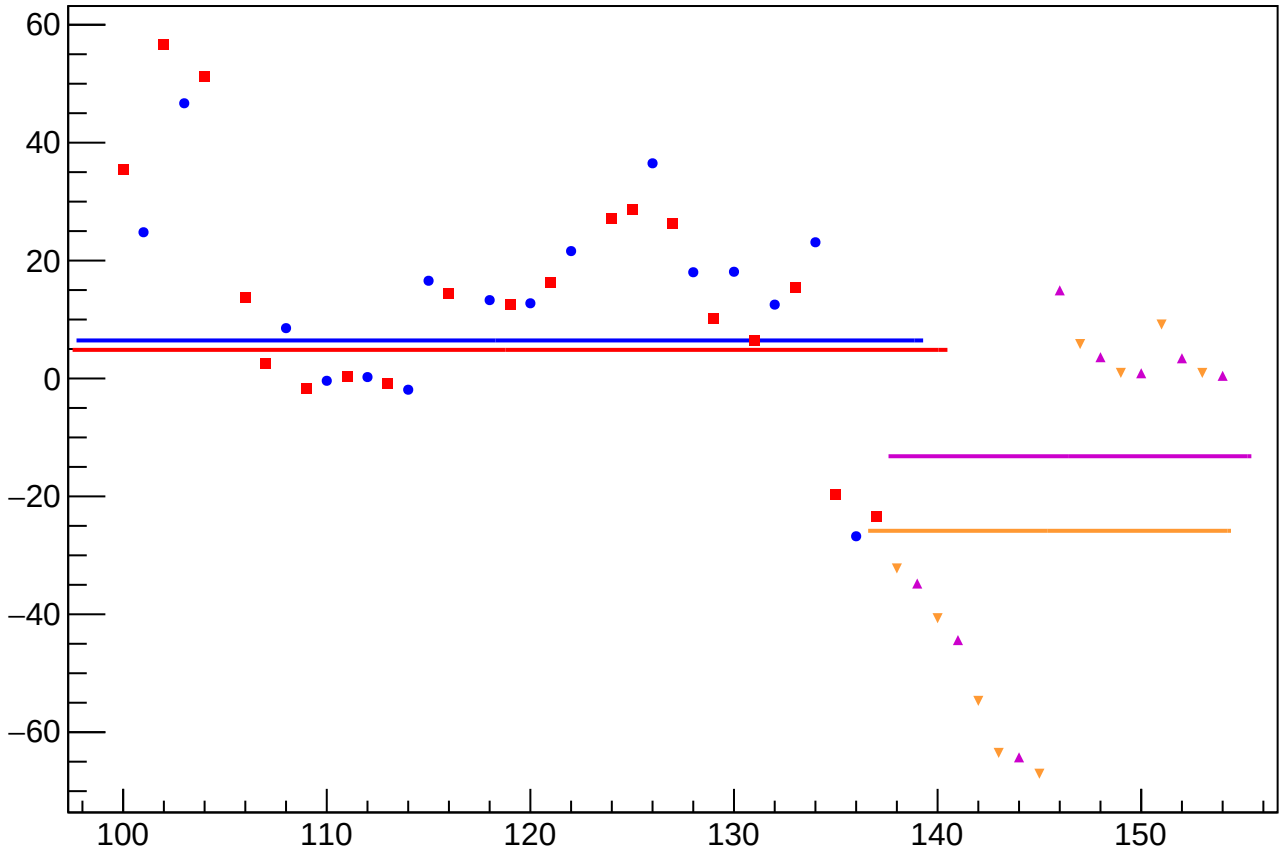
Left: -1.065+/-0.043 χ^2/NDF: 10391.9/16

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.115+/-0.041 χ^2/NDF:8563.1/23

Out: 0.048+/-0.043 χ^2/NDF:7375.4/27

All: 0.083+/-0.030 χ^2/NDF: 15939.8/51



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: -13.190+/-0.078 χ^2/NDF:92412.9/7

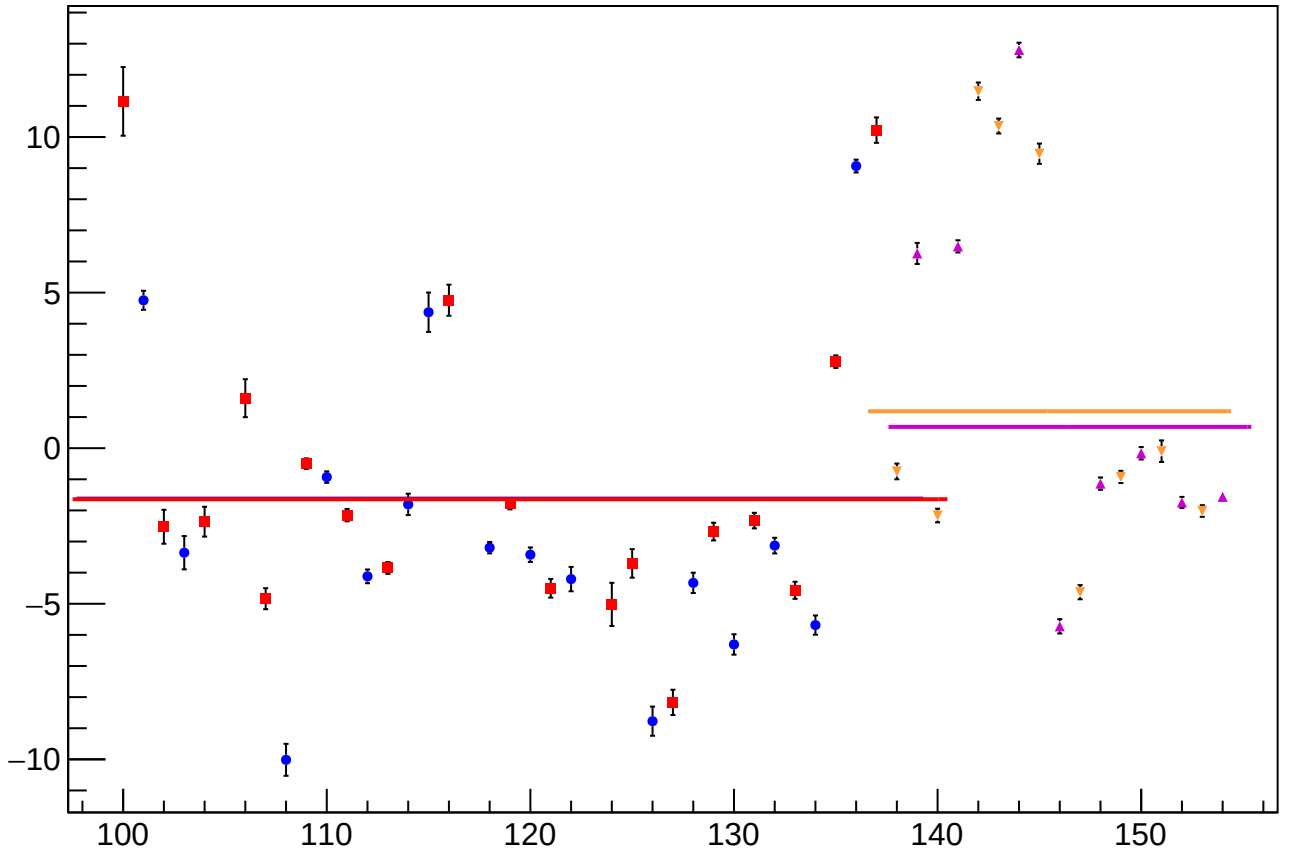
Left: -18.520+/-0.059 χ^2/NDF: 186154.7/16

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -1.622+/-0.050 χ^2/NDF:200383.4/23

Out: -4.198+/-0.050 χ^2/NDF:237338.1/27

All: -2.920+/-0.035 χ^2/NDF: 439056.3/51



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: 0.685+/-0.067 χ^2/NDF:5190.0/7

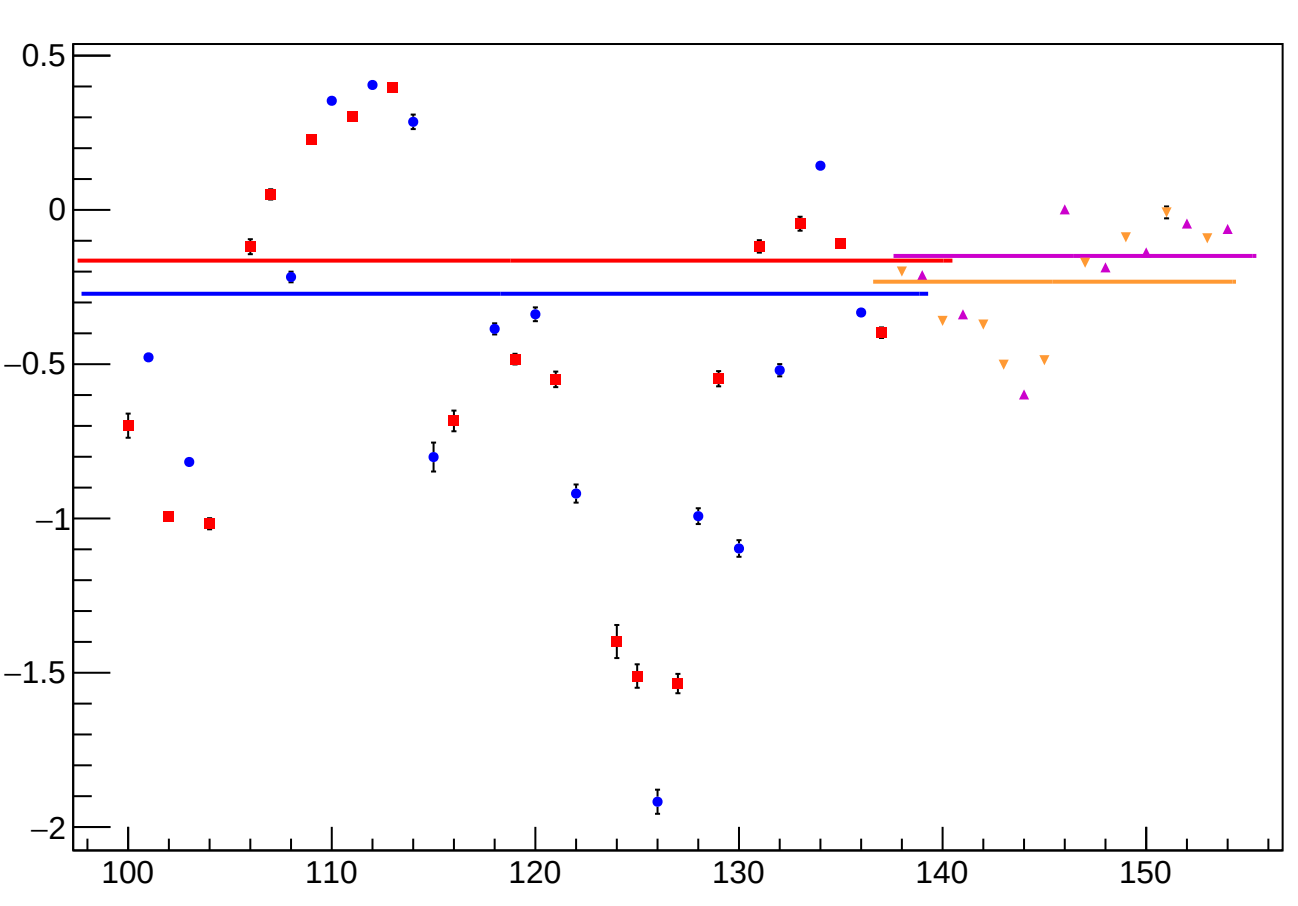
Left: 0.894+/-0.051 χ^2/NDF: 10032.5/16

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.428+/-0.048 χ^2/NDF:10283.6/23

Out: -0.517+/-0.050 χ^2/NDF:8043.0/27

All: -0.471+/-0.035 χ^2/NDF: 18328.2/51



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: -0.149+/-0.003 χ^2/NDF:2408.1/7

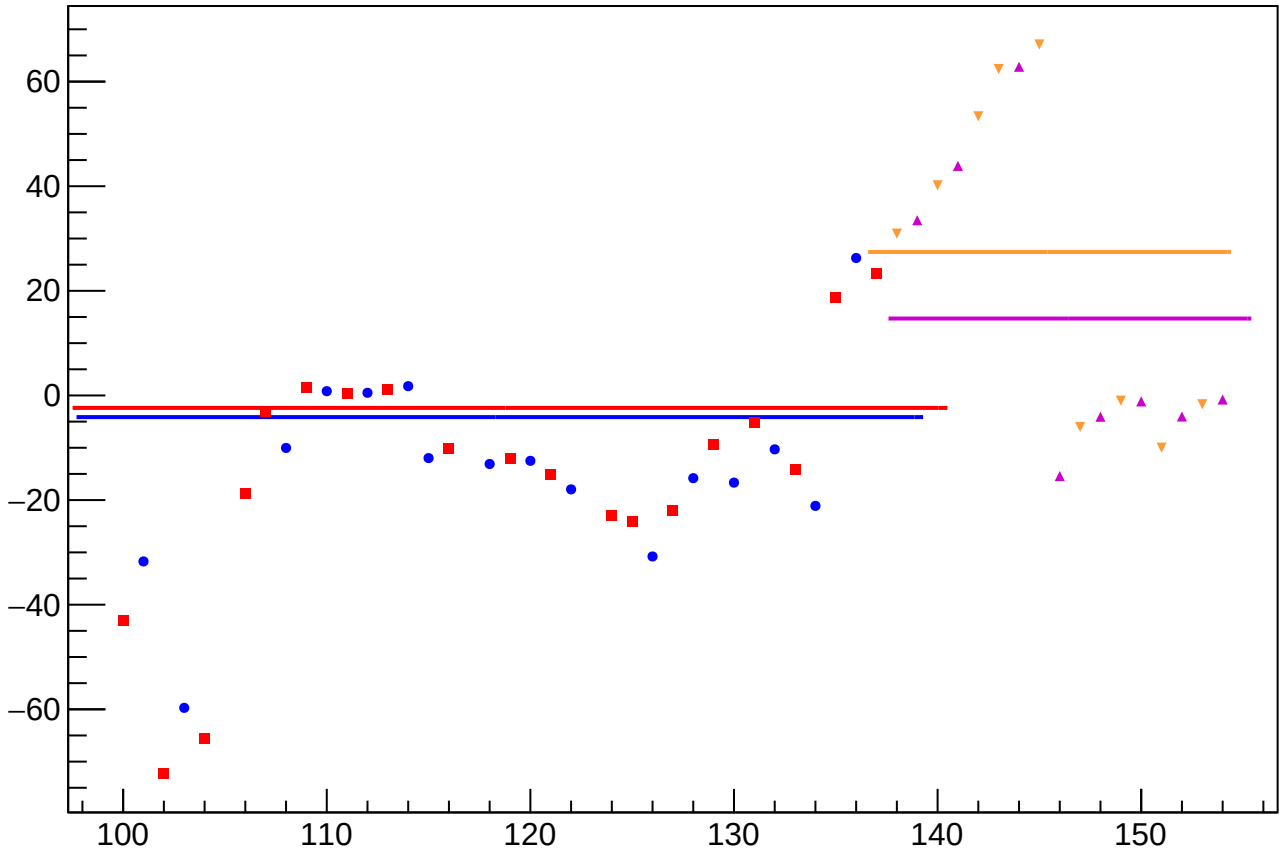
Left: -0.182+/-0.002 χ^2/NDF: 4547.2/16

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.189+/-0.002 χ^2/NDF:15043.5/23

Out: -0.200+/-0.003 χ^2/NDF:17480.7/27

All: -0.194+/-0.002 χ^2/NDF: 32534.0/51



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: 14.706+/-0.080 χ^2/NDF:90226.2/7

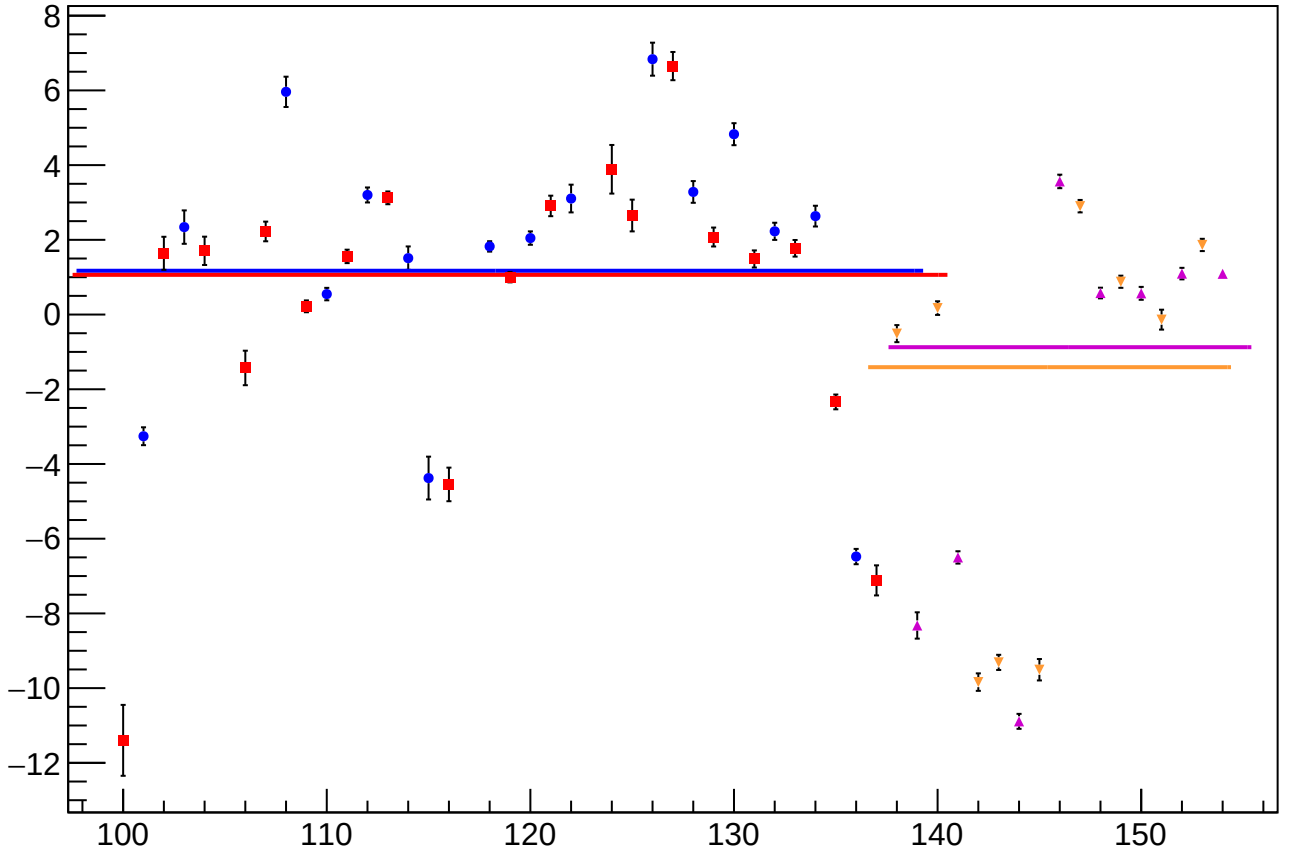
Left: 20.225+/-0.060 χ^2/NDF: 179934.9/16

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 1.772+/-0.045 χ^2/NDF:203182.6/23

Out: 3.563+/-0.041 χ^2/NDF:243827.9/27

All: 2.751+/-0.030 χ^2/NDF: 447875.5/51



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: -0.874+/-0.056 χ^2/NDF:5388.2/7

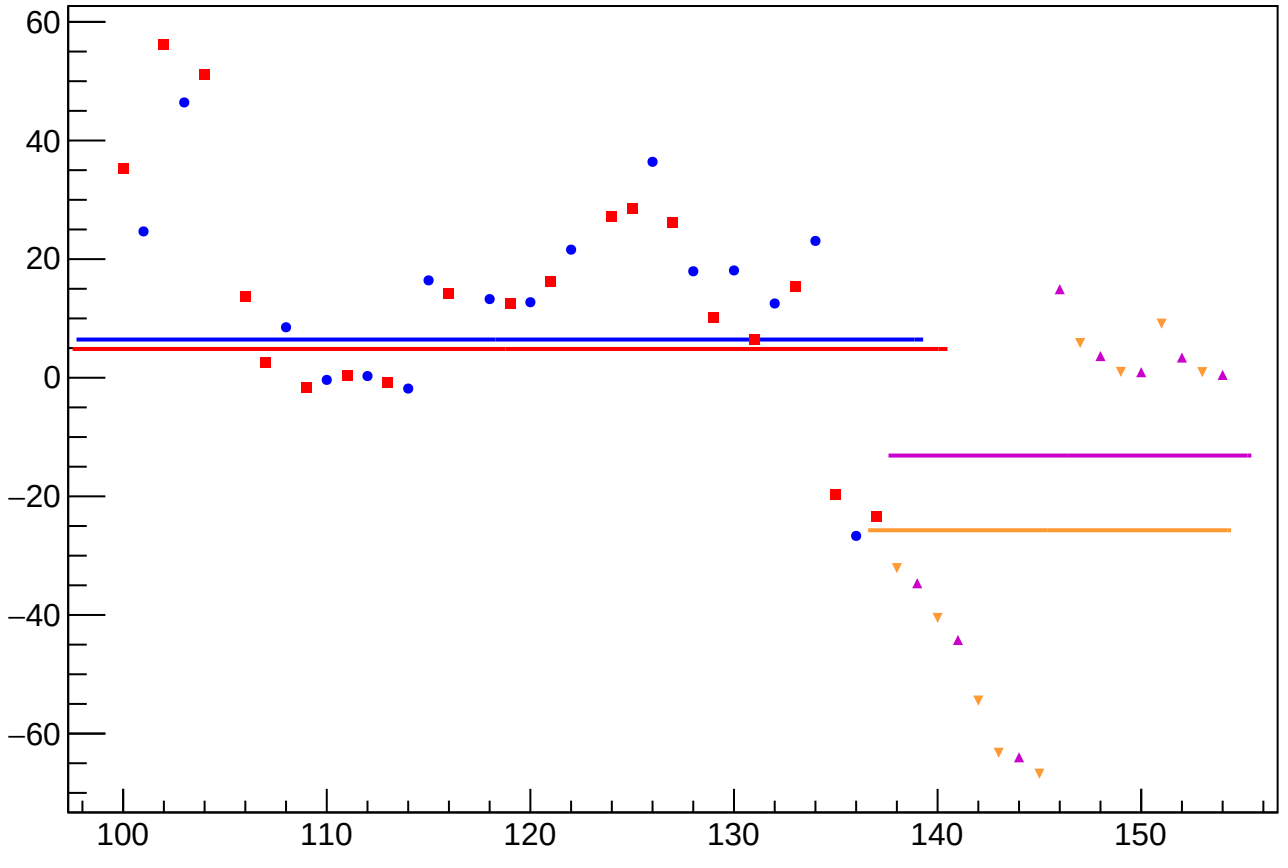
Left: -1.099+/-0.043 χ^2/NDF: 10412.6/16

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.083+/-0.041 χ^2/NDF:8589.4/23

Out: 0.011+/-0.043 χ^2/NDF:7384.9/27

All: 0.049+/-0.030 χ^2/NDF: 15975.7/51



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: -13.119+/-0.078 χ^2/NDF:92371.7/7

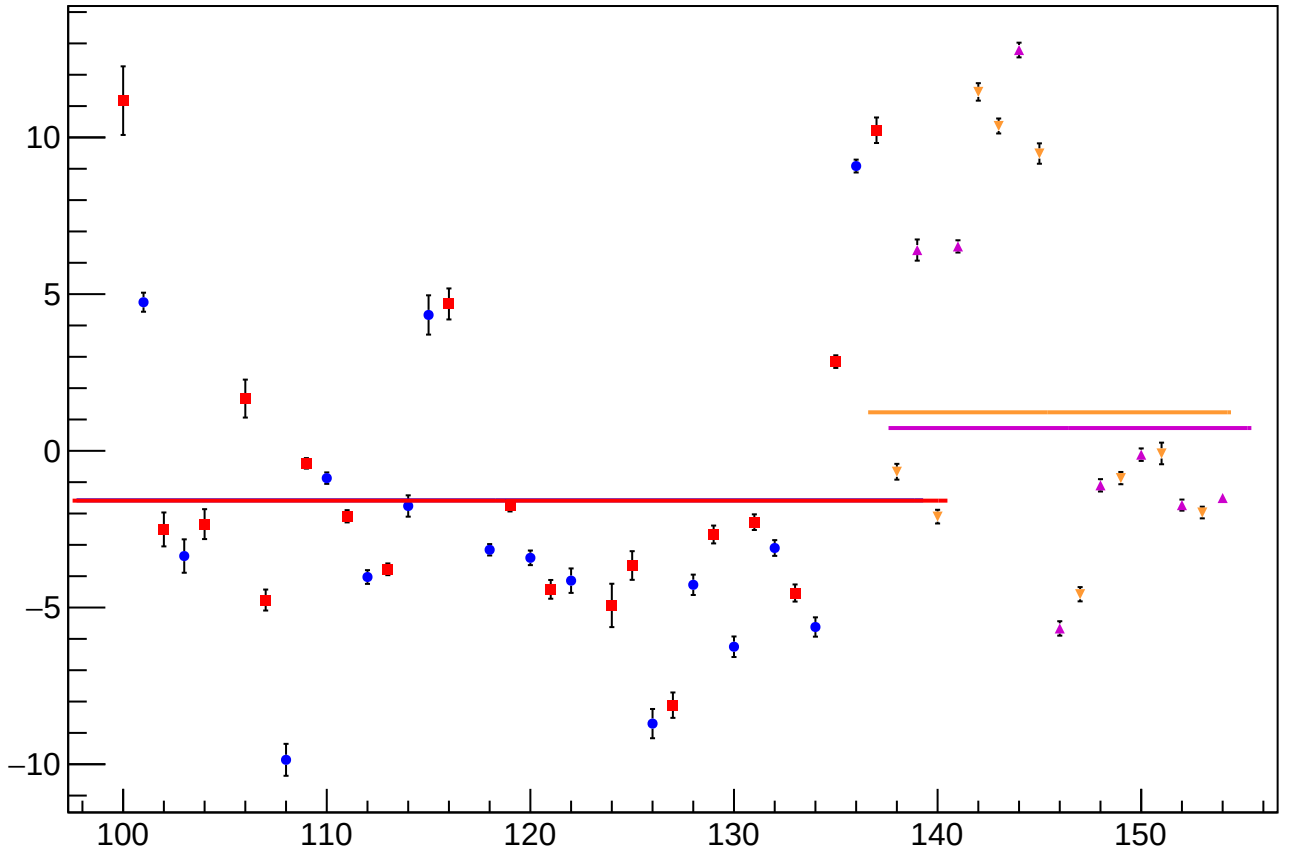
Left: -18.429+/-0.059 χ^2/NDF: 186030.3/16

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -1.576+/-0.050 χ^2/NDF:200291.2/23

Out: -4.137+/-0.049 χ^2/NDF:237142.8/27

All: -2.867+/-0.035 χ^2/NDF: 438765.8/51



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: 0.727+/-0.067 χ^2/NDF:5207.1/7

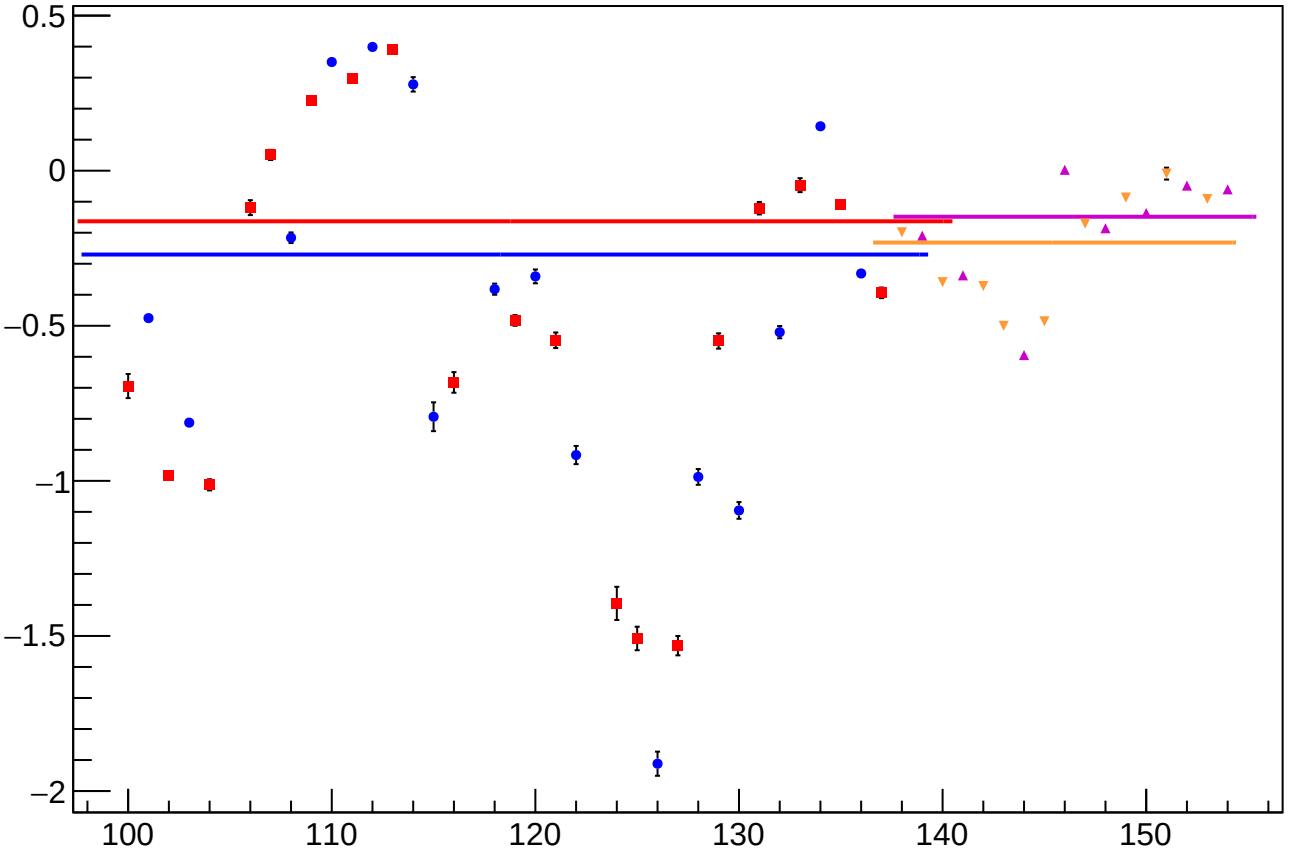
Left: 0.936+/-0.051 χ^2/NDF: 10044.0/16

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.389+/-0.048 χ^2/NDF:10304.9/23

Out: -0.472+/-0.050 χ^2/NDF:8048.6/27

All: -0.429+/-0.035 χ^2/NDF: 18354.9/51



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: -0.148+/-0.003 χ^2/NDF:2393.3/7

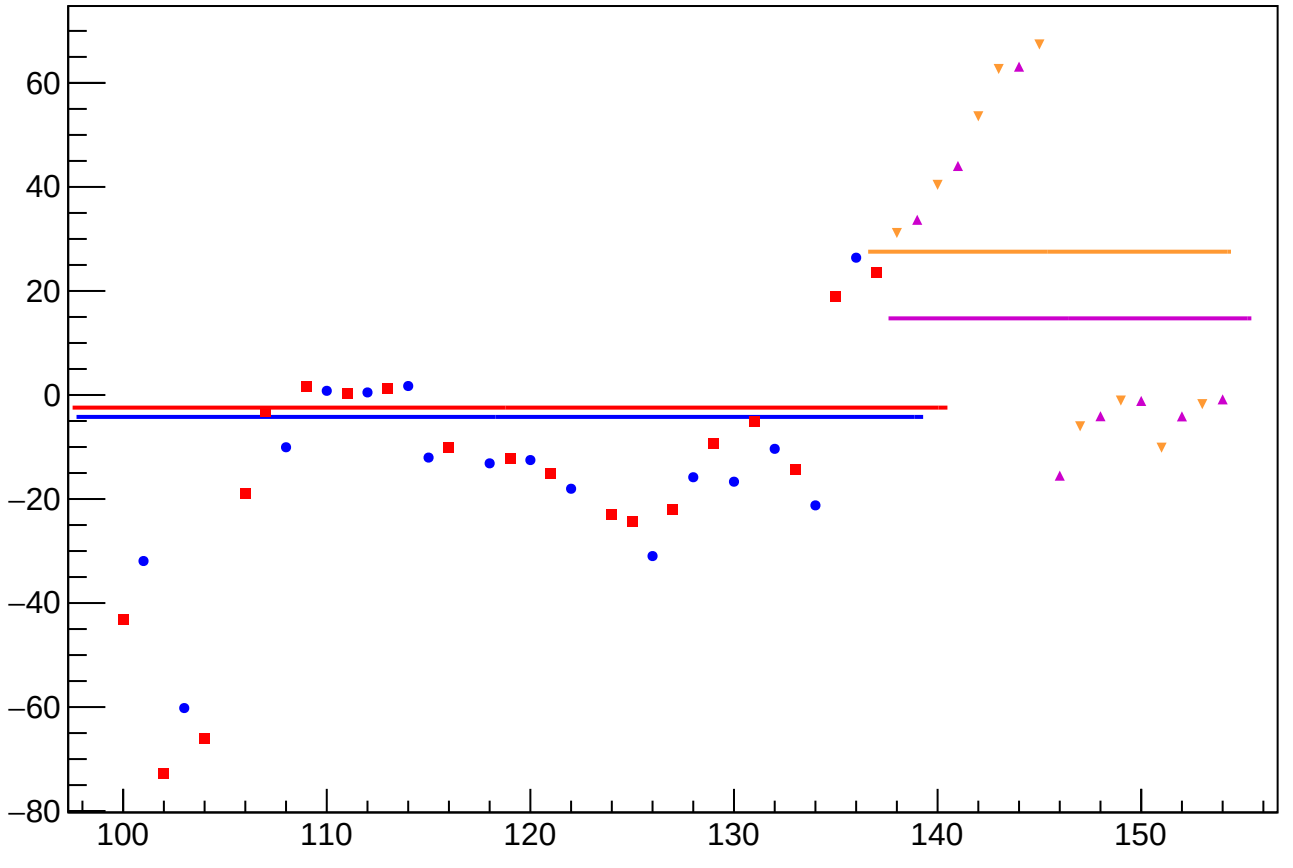
Left: -0.181+/-0.002 χ^2/NDF: 4545.5/16

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.188+/-0.002 χ^2/NDF:15015.2/23

Out: -0.199+/-0.003 χ^2/NDF:17509.0/27

All: -0.193+/-0.002 χ^2/NDF: 32533.5/51



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: 14.733+/-0.081 χ^2/NDF:90414.2/7

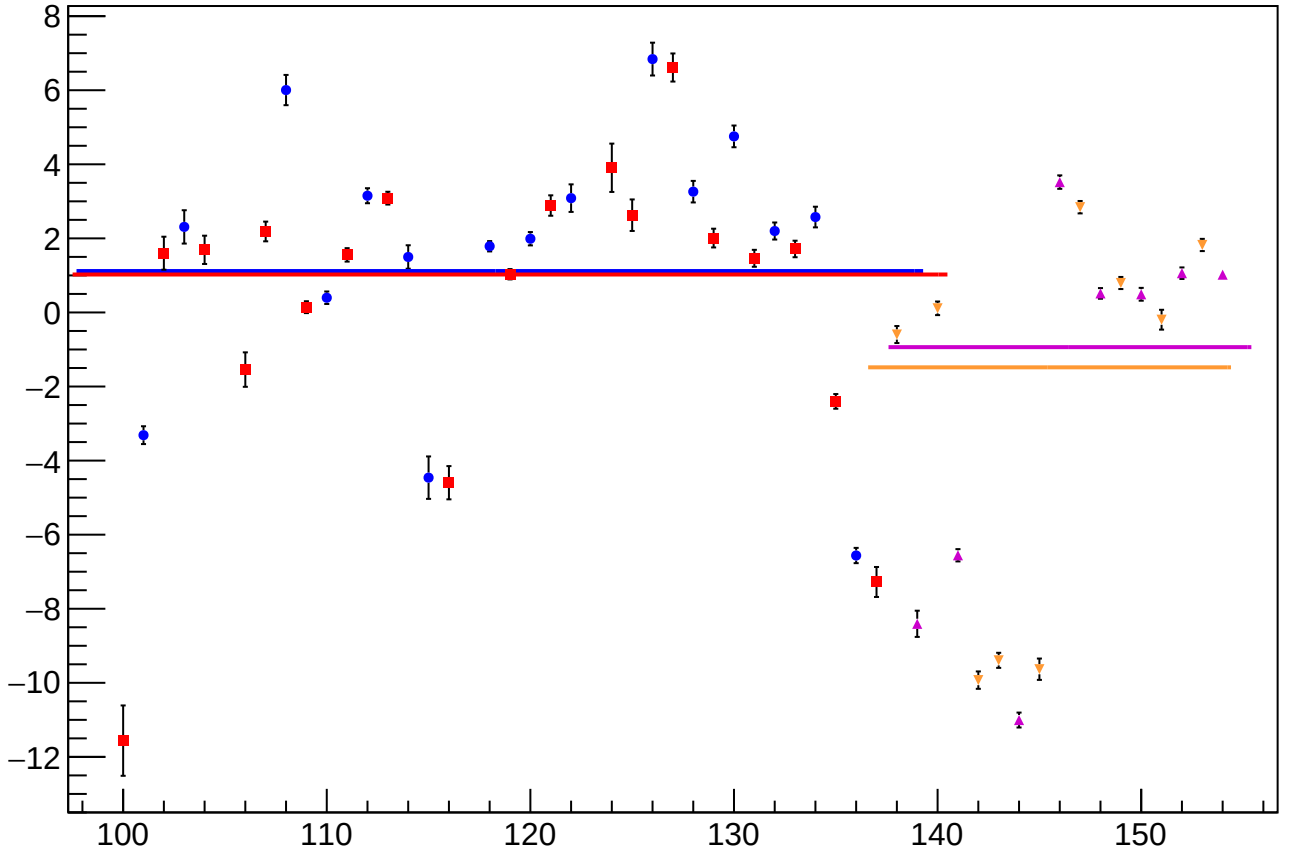
Left: 20.288+/-0.061 χ^2/NDF: 180407.0/16

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 1.752+/-0.045 χ^2/NDF:203397.2/23

Out: 3.578+/-0.041 χ^2/NDF:244198.1/27

All: 2.749+/-0.031 χ^2/NDF: 448482.7/51



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: -0.937+/-0.057 χ^2/NDF:5374.0/7

Left: -1.166+/-0.043 χ^2/NDF: 10390.2/16

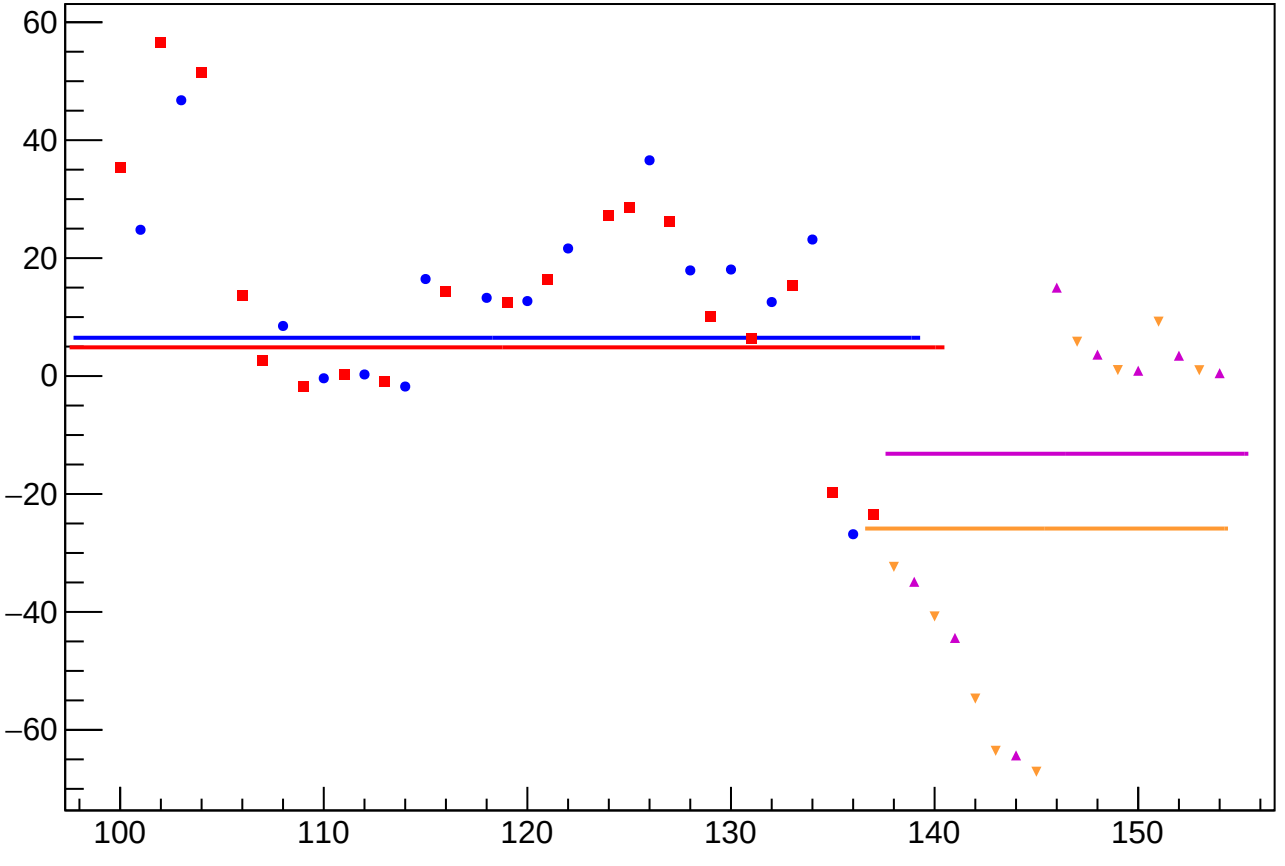
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.023+/-0.041 χ^2/NDF:8582.1/23

Out: -0.043+/-0.043 χ^2/NDF:7406.0/27

All: -0.008+/-0.030 χ^2/NDF: 15989.4/51

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -25.858+/-0.092 χ^2/NDF:82857.2/8

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -13.175+/-0.078 χ^2/NDF:92560.6/7

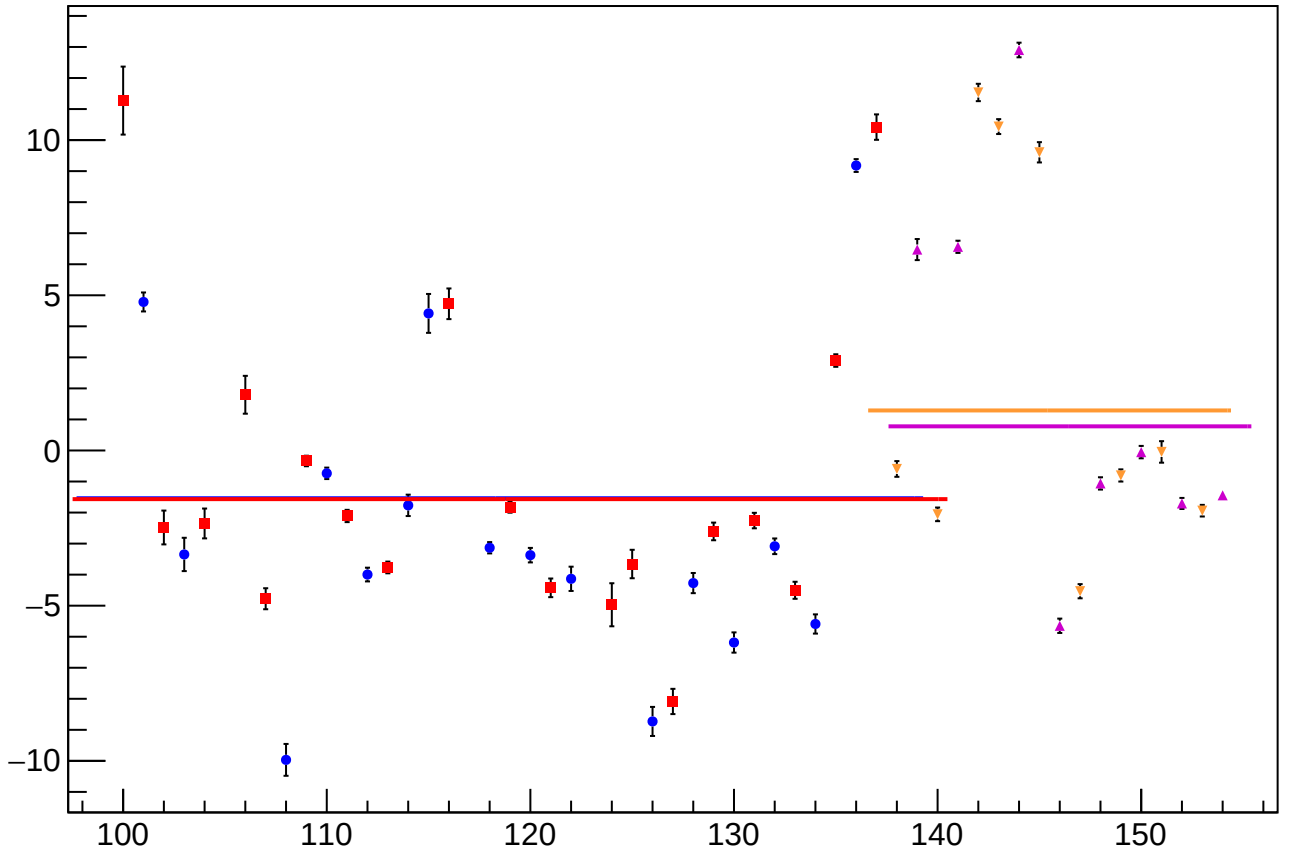
Left: -18.518+/-0.059 χ^2/NDF: 186523.9/16

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -1.588+/-0.050 χ^2/NDF:200538.9/23

Out: -4.190+/-0.050 χ^2/NDF:237552.0/27

All: -2.898+/-0.035 χ^2/NDF: 439450.5/51



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: 0.778+/-0.067 χ^2/NDF:5197.2/7

Left: 0.991+/-0.051 χ^2/NDF: 10026.6/16

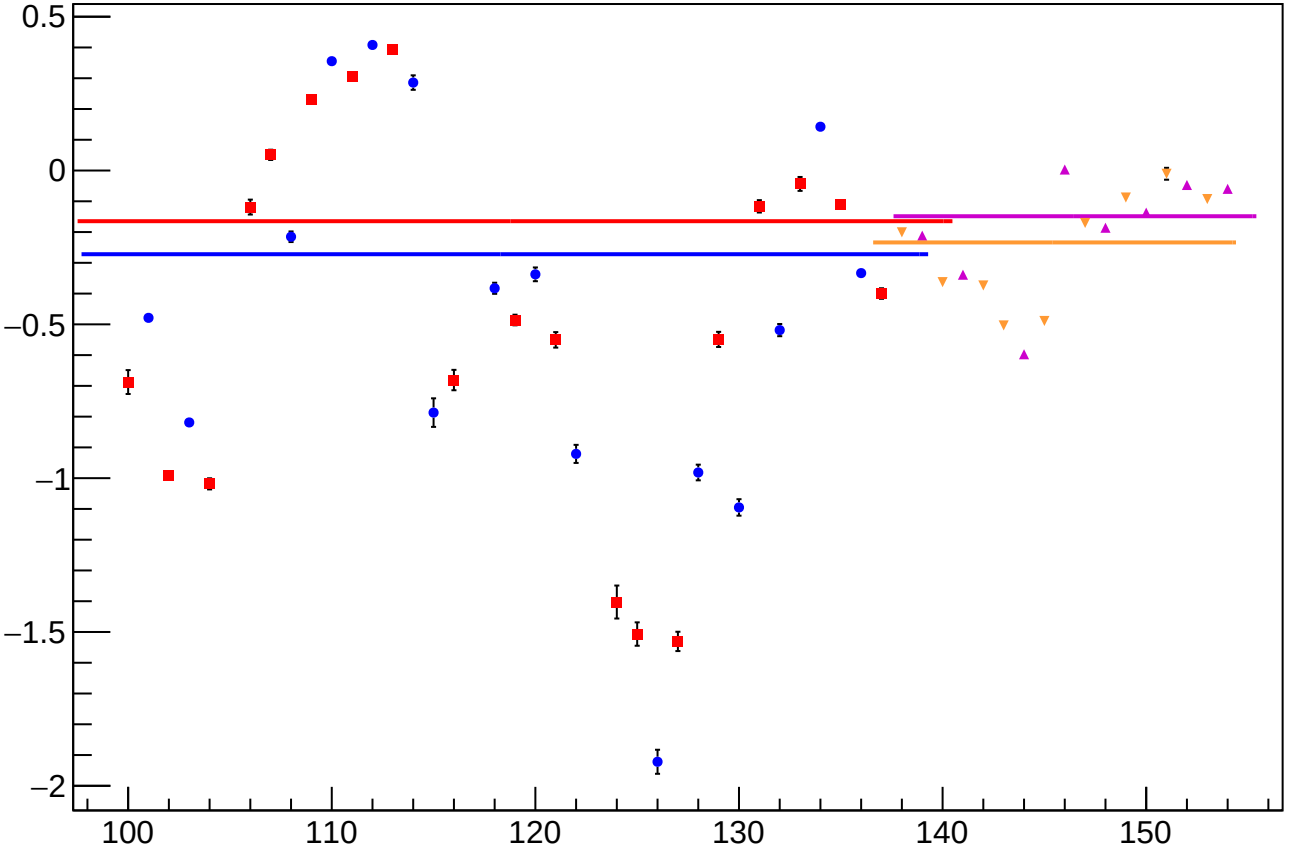
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.342+/-0.048 χ^2/NDF:10306.8/23

Out: -0.433+/-0.050 χ^2/NDF:8078.8/27

All: -0.386+/-0.035 χ^2/NDF: 18387.3/51

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: -0.149+/-0.003 χ^2/NDF:2409.2/7

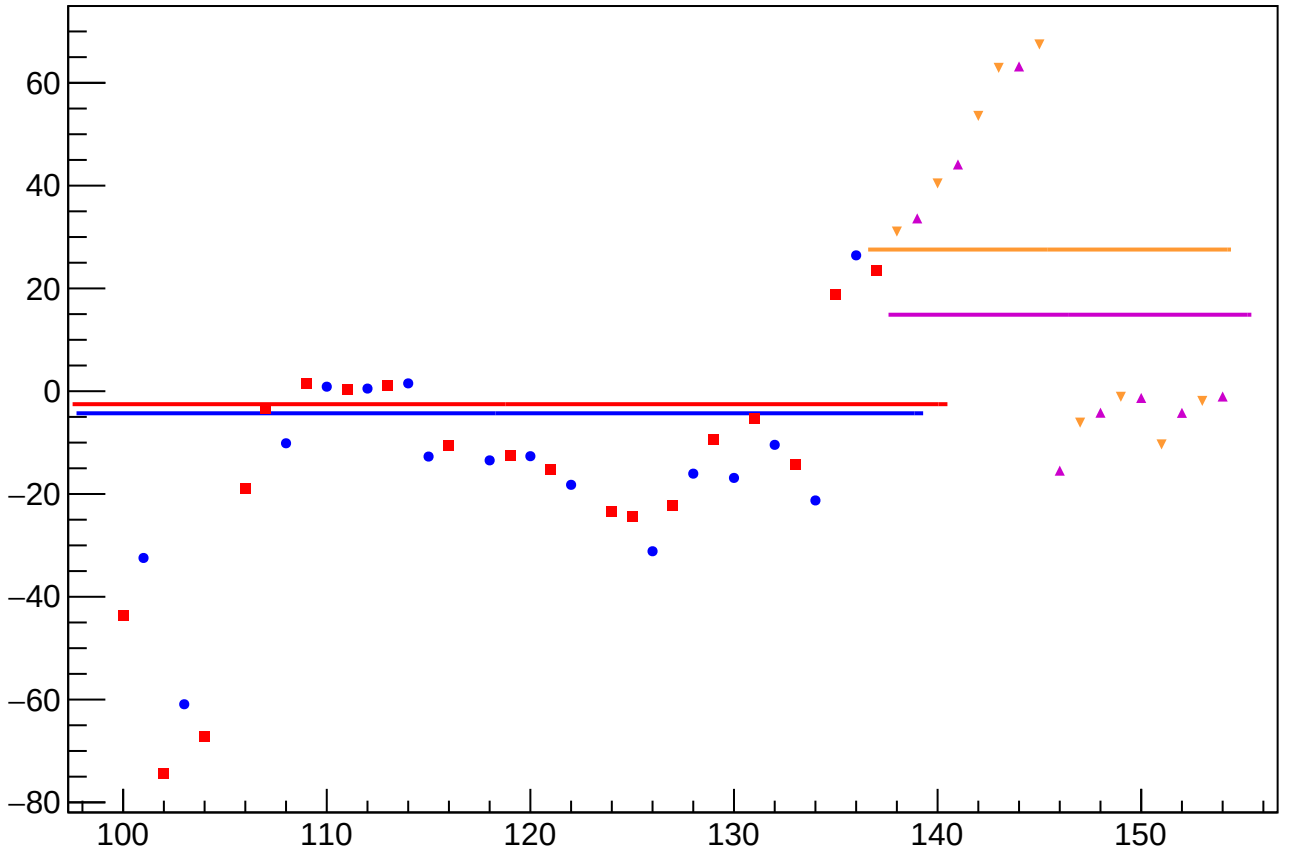
Left: -0.182+/-0.002 χ^2/NDF: 4577.3/16

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.189+/-0.002 χ^2/NDF:15067.8/23

Out: -0.201+/-0.003 χ^2/NDF:17494.0/27

All: -0.194+/-0.002 χ^2/NDF: 32573.4/51



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 27.563+/-0.093 χ^2/NDF:78051.9/8

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 14.882+/-0.082 χ^2/NDF:88685.0/7

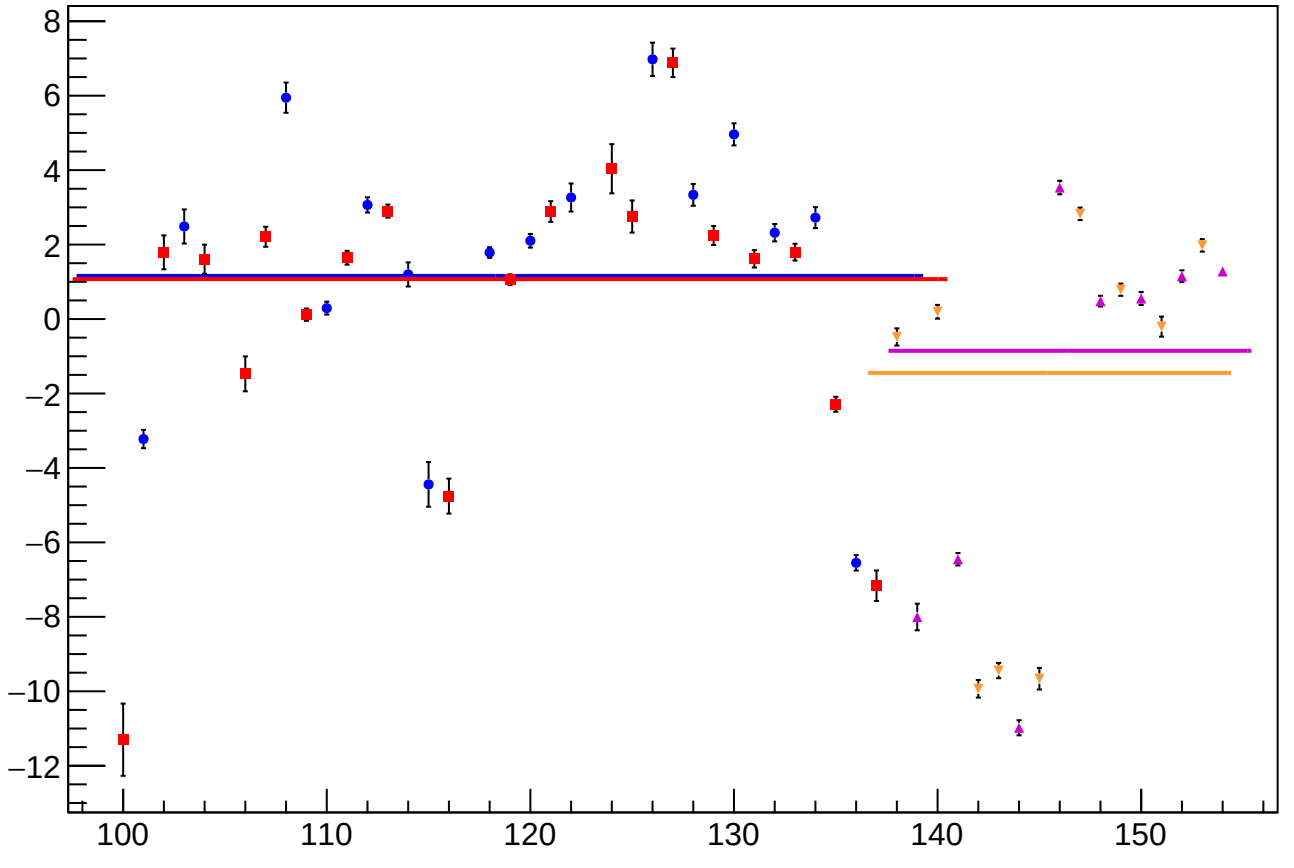
Left: 20.429+/-0.062 χ^2/NDF: 177162.2/16

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 1.751+/-0.046 χ^2/NDF:200233.4/23

Out: 3.628+/-0.042 χ^2/NDF:240923.5/27

All: 2.774+/-0.031 χ^2/NDF: 442060.4/51



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: -0.853+/-0.058 χ^2/NDF:5267.0/7

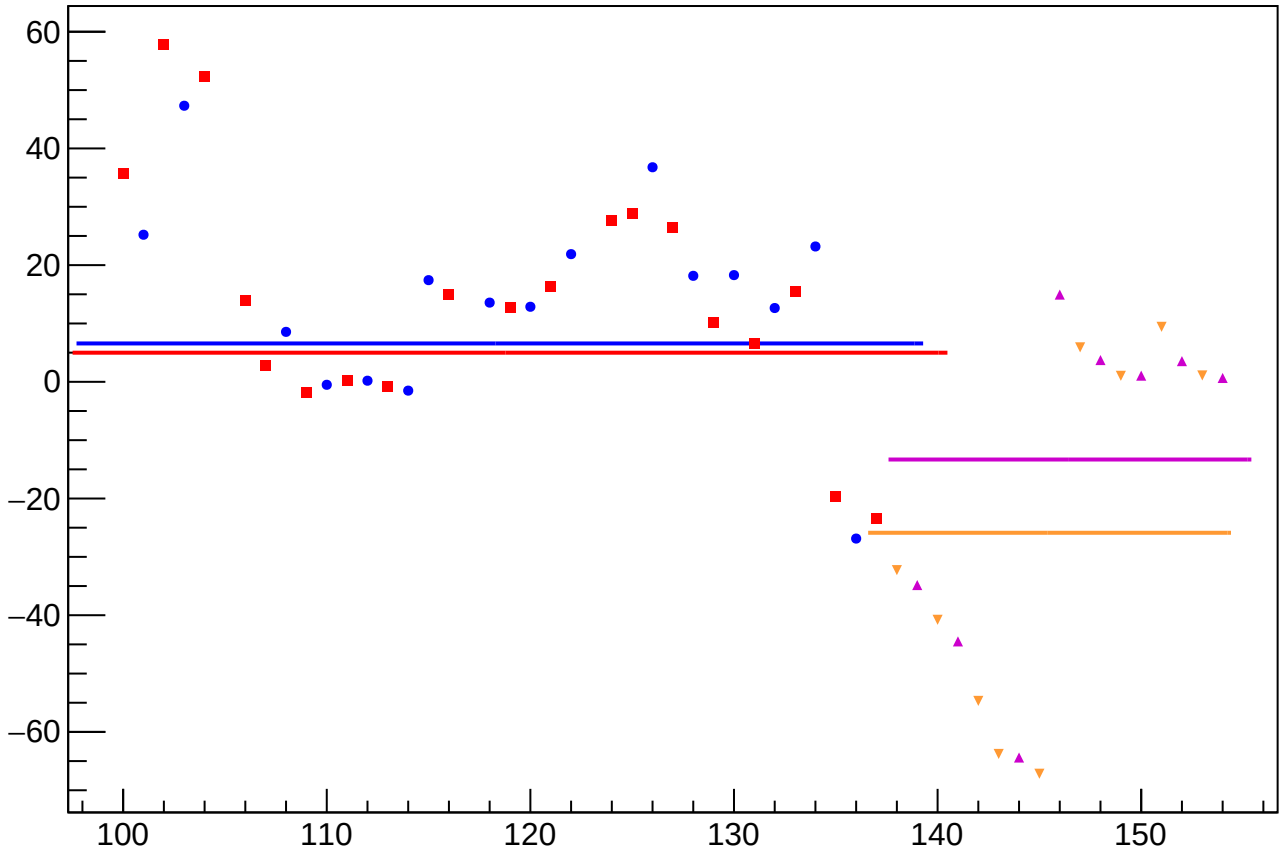
Left: -1.105+/-0.044 χ^2/NDF: 10263.9/16

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.086+/-0.042 χ^2/NDF:8386.6/23

Out: -0.013+/-0.044 χ^2/NDF:7305.9/27

All: 0.039+/-0.030 χ^2/NDF: 15695.2/51



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: -13.316+/-0.080 χ^2/NDF:90813.8/7

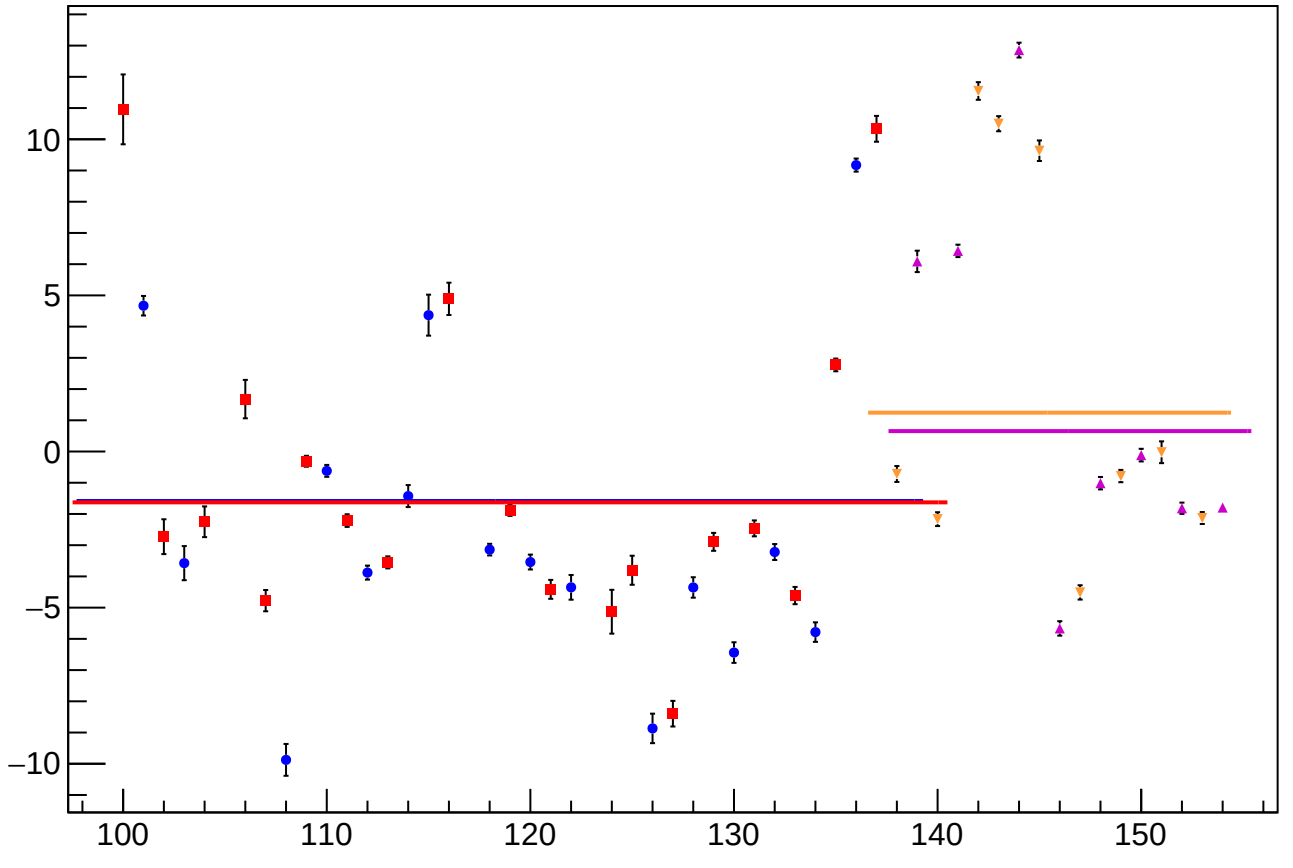
Left: -18.658+/-0.060 χ^2/NDF: 183171.7/16

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -1.589+/-0.051 χ^2/NDF:197402.4/23

Out: -4.246+/-0.051 χ^2/NDF:234325.0/27

All: -2.928+/-0.036 χ^2/NDF: 433096.5/51



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: 0.654+/-0.069 χ^2/NDF:5115.7/7

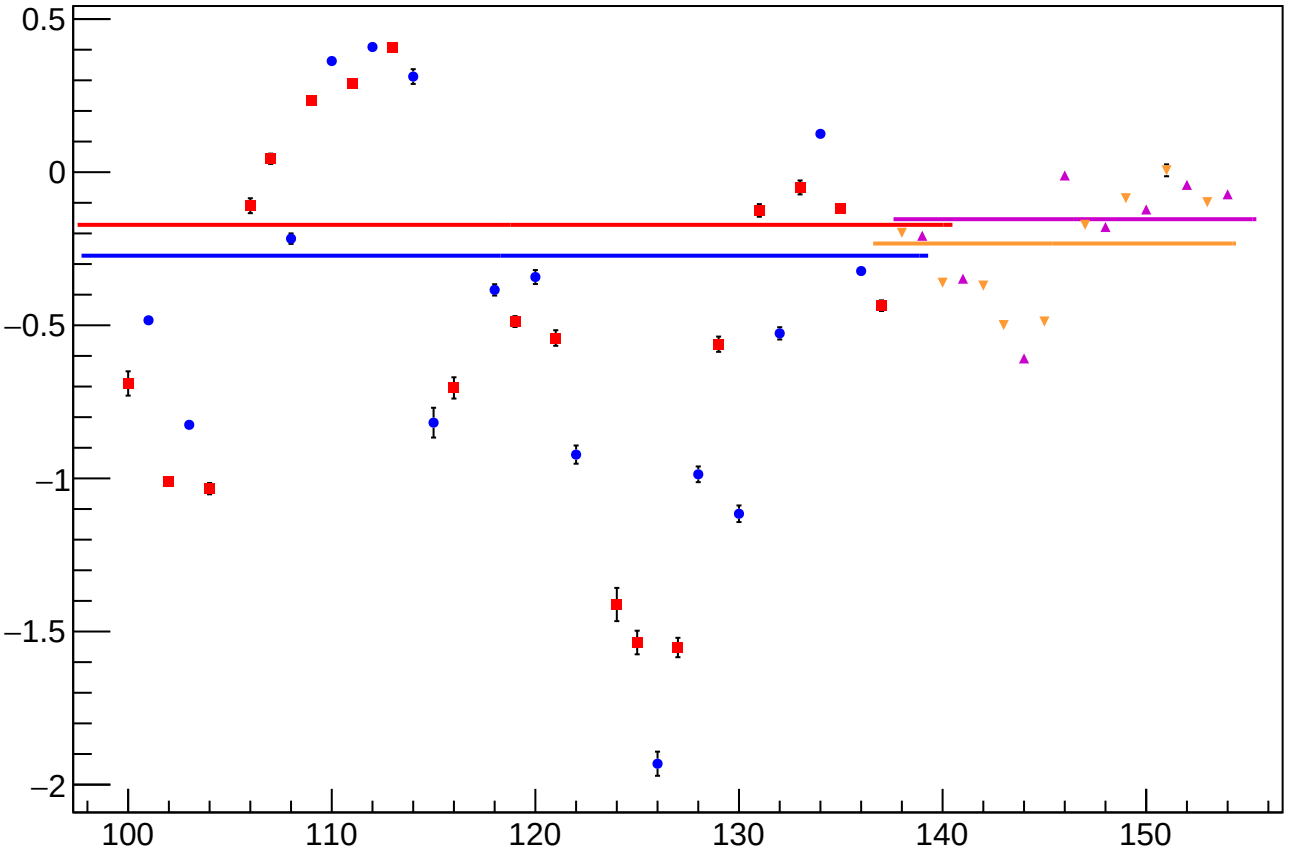
Left: 0.903+/-0.052 χ^2/NDF: 9938.2/16

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.429+/-0.049 χ^2/NDF:10105.1/23

Out: -0.475+/-0.051 χ^2/NDF:7977.7/27

All: -0.451+/-0.035 χ^2/NDF: 18083.3/51



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: -0.154+/-0.003 χ^2/NDF:2352.4/7

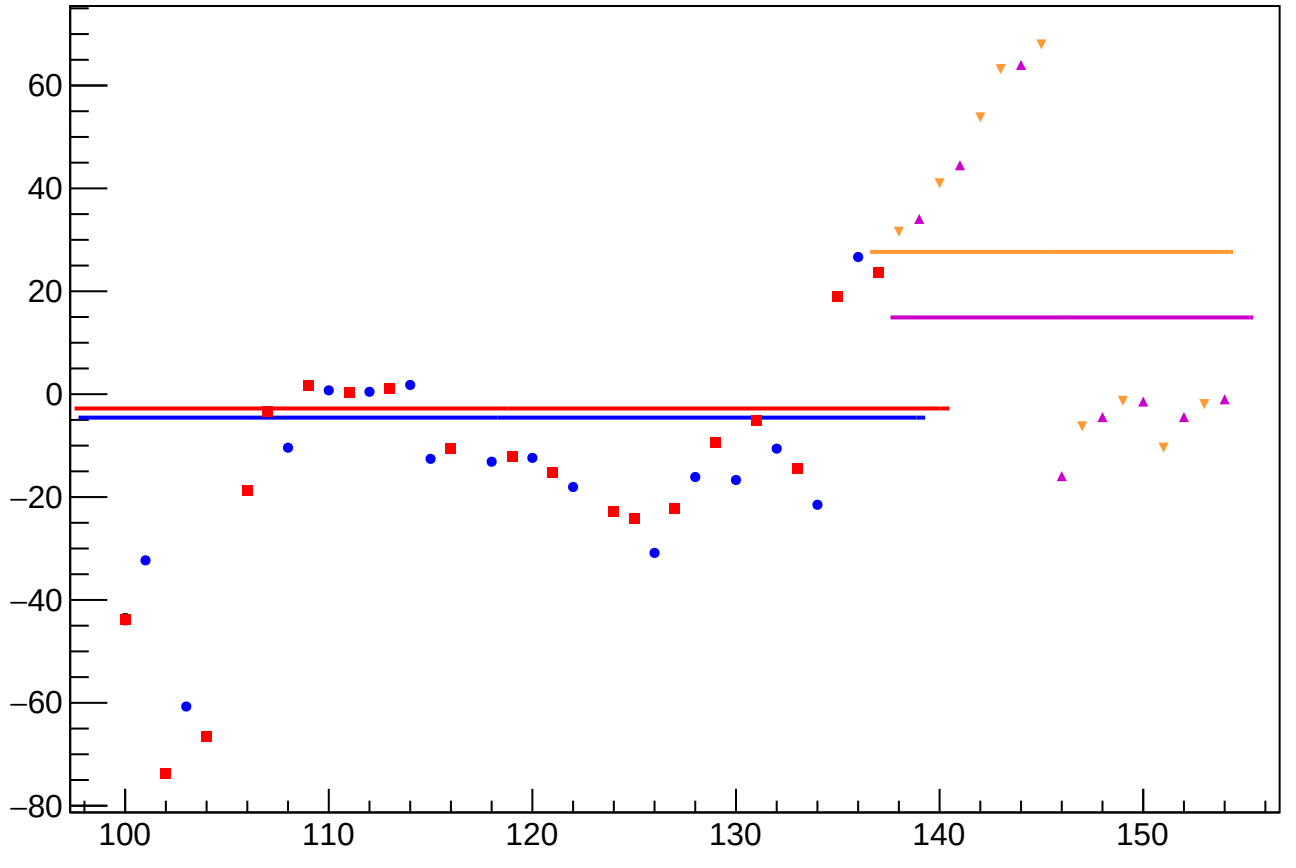
Left: -0.185+/-0.002 χ^2/NDF: 4410.1/16

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.193+/-0.002 χ^2/NDF:14744.5/23

Out: -0.204+/-0.003 χ^2/NDF:17226.0/27

All: -0.198+/-0.002 χ^2/NDF: 31980.7/51



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: 14.917+/-0.084 χ^2/NDF:87970.4/7

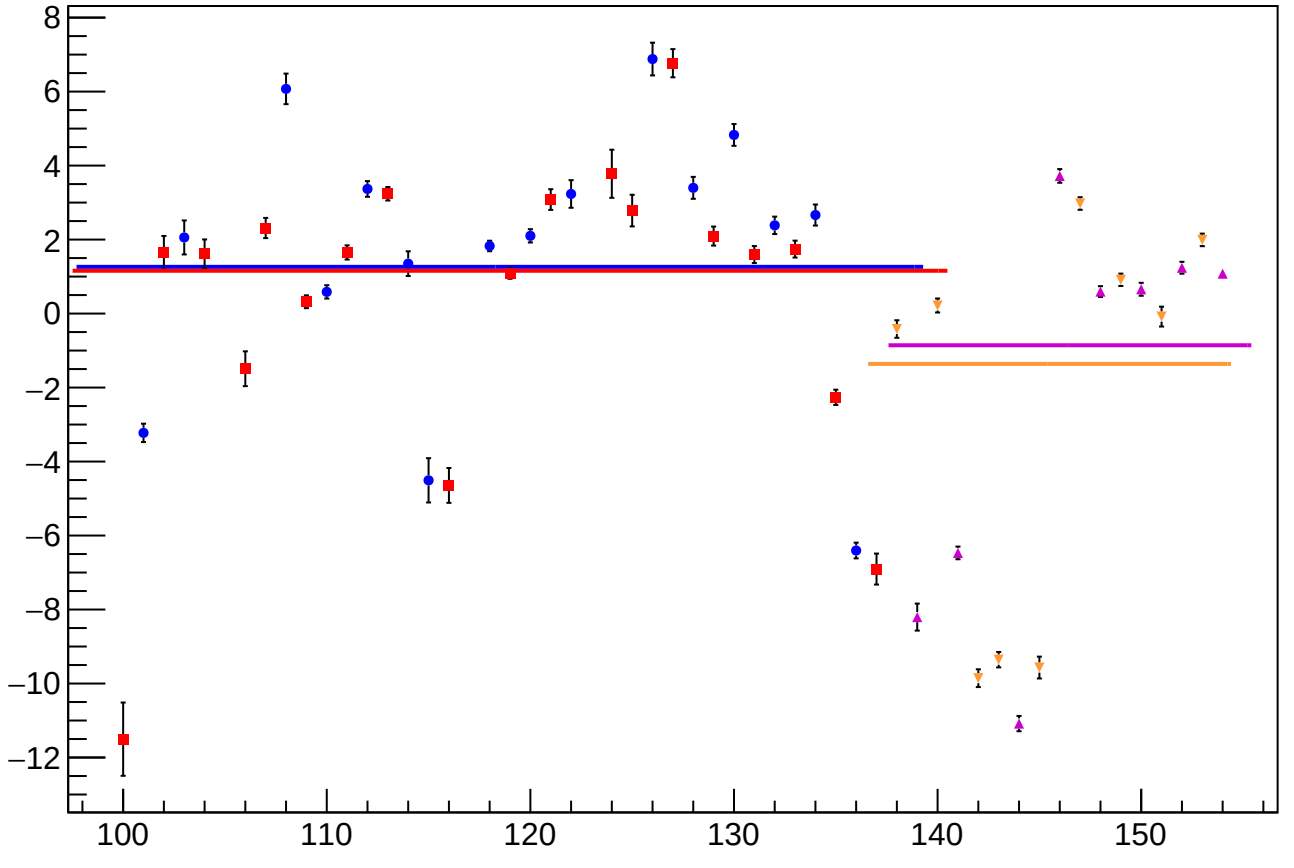
Left: 20.492+/-0.063 χ^2/NDF: 175587.2/16

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 1.597+/-0.047 χ^2/NDF:197749.6/23

Out: 3.541+/-0.043 χ^2/NDF:237113.3/27

All: 2.651+/-0.032 χ^2/NDF: 435791.4/51



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: -0.857+/-0.059 χ^2/NDF:5179.1/7

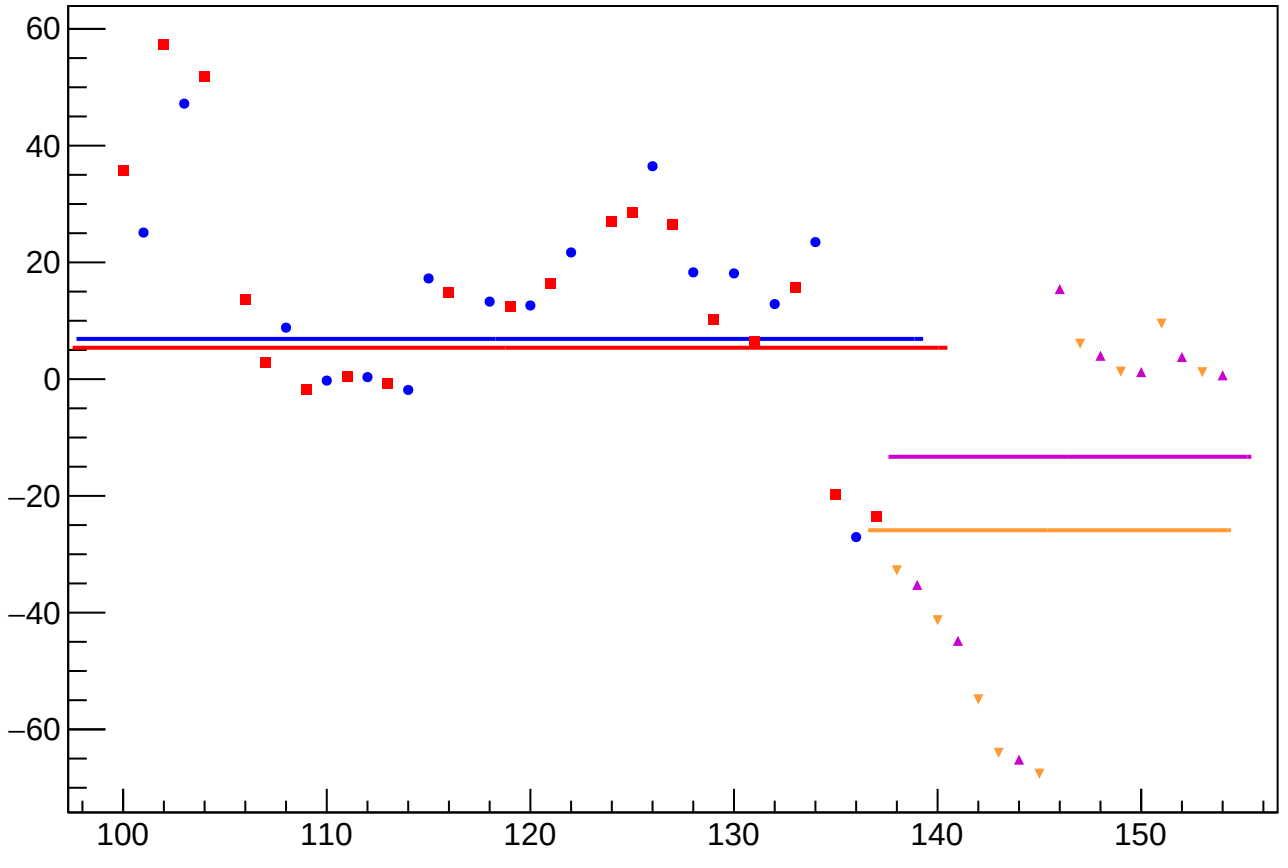
Left: -1.071+/-0.044 χ^2/NDF: 10034.5/16

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.142+/-0.043 χ^2/NDF:8240.8/23

Out: 0.074+/-0.045 χ^2/NDF:7095.2/27

All: 0.109+/-0.031 χ^2/NDF: 15337.2/51



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: -13.299+/-0.081 χ^2/NDF:90017.2/7

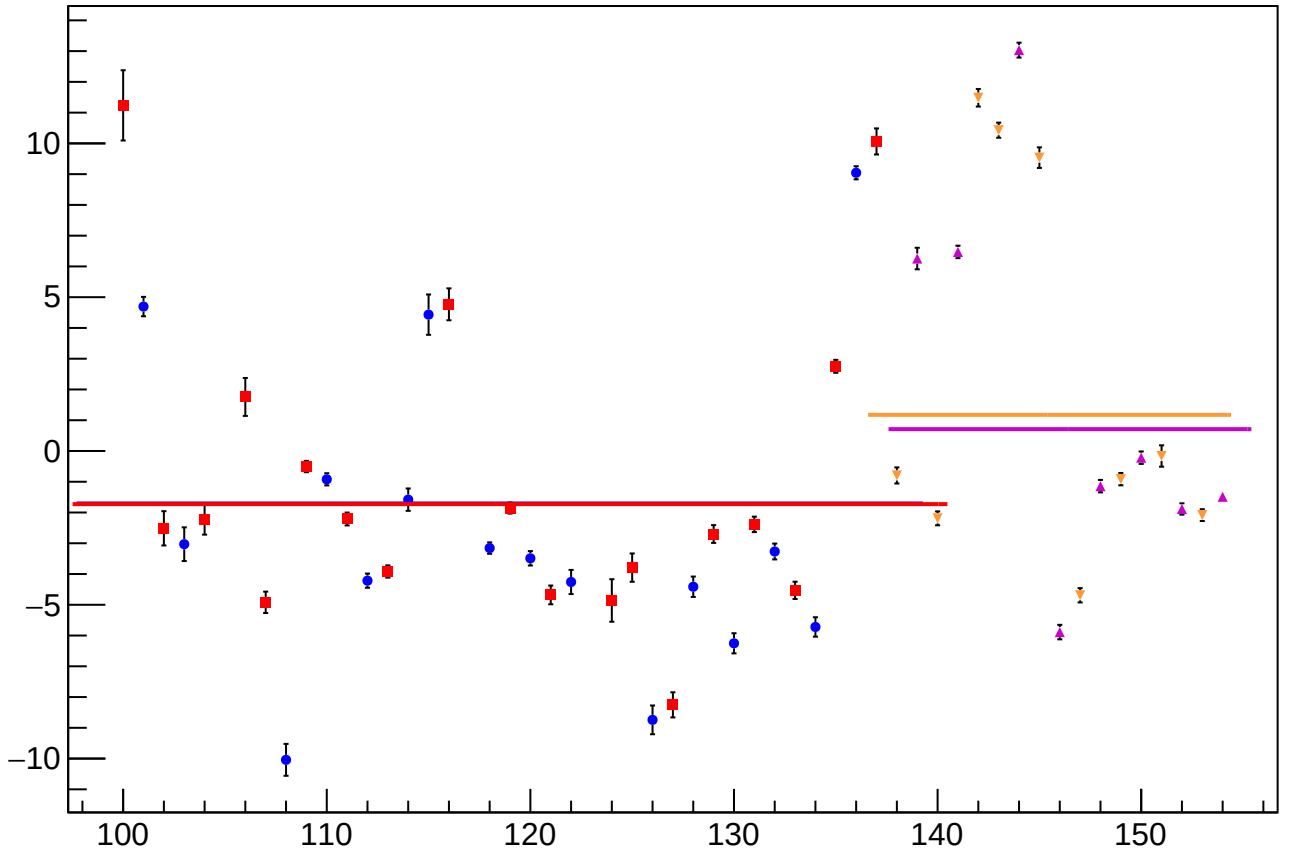
Left: -18.659+/-0.061 χ^2/NDF: 181390.5/16

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -1.369+/-0.052 χ^2/NDF:194840.9/23

Out: -4.033+/-0.052 χ^2/NDF:230659.7/27

All: -2.707+/-0.037 χ^2/NDF: 426829.7/51



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: 0.710+/-0.070 χ^2/NDF:5027.6/7

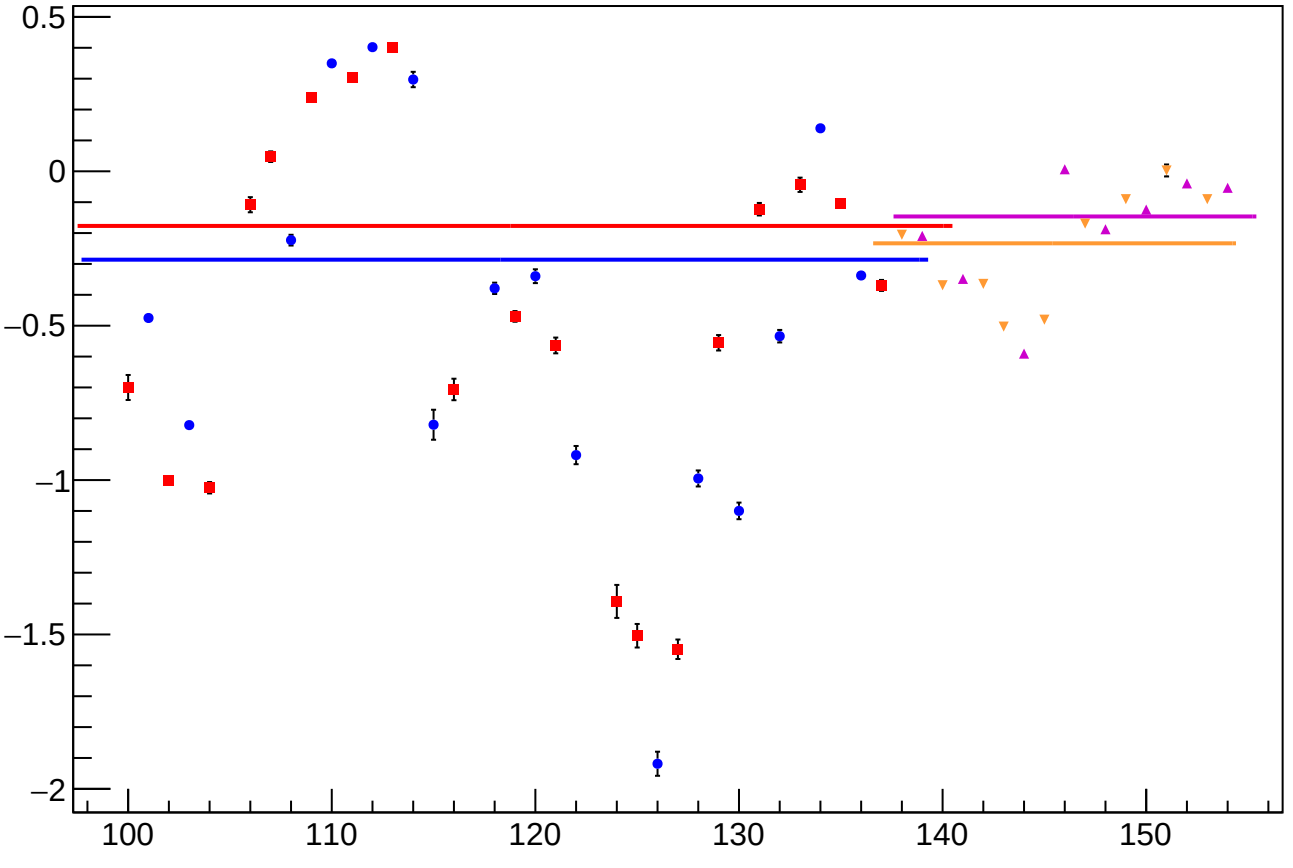
Left: 0.906+/-0.053 χ^2/NDF: 9709.6/16

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.466+/-0.050 χ^2/NDF:9903.4/23

Out: -0.561+/-0.052 χ^2/NDF:7730.4/27

All: -0.512+/-0.036 χ^2/NDF: 17635.5/51



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: -0.146+/-0.003 χ^2/NDF:2338.9/7

Left: -0.180+/-0.002 χ^2/NDF: 4415.6/16

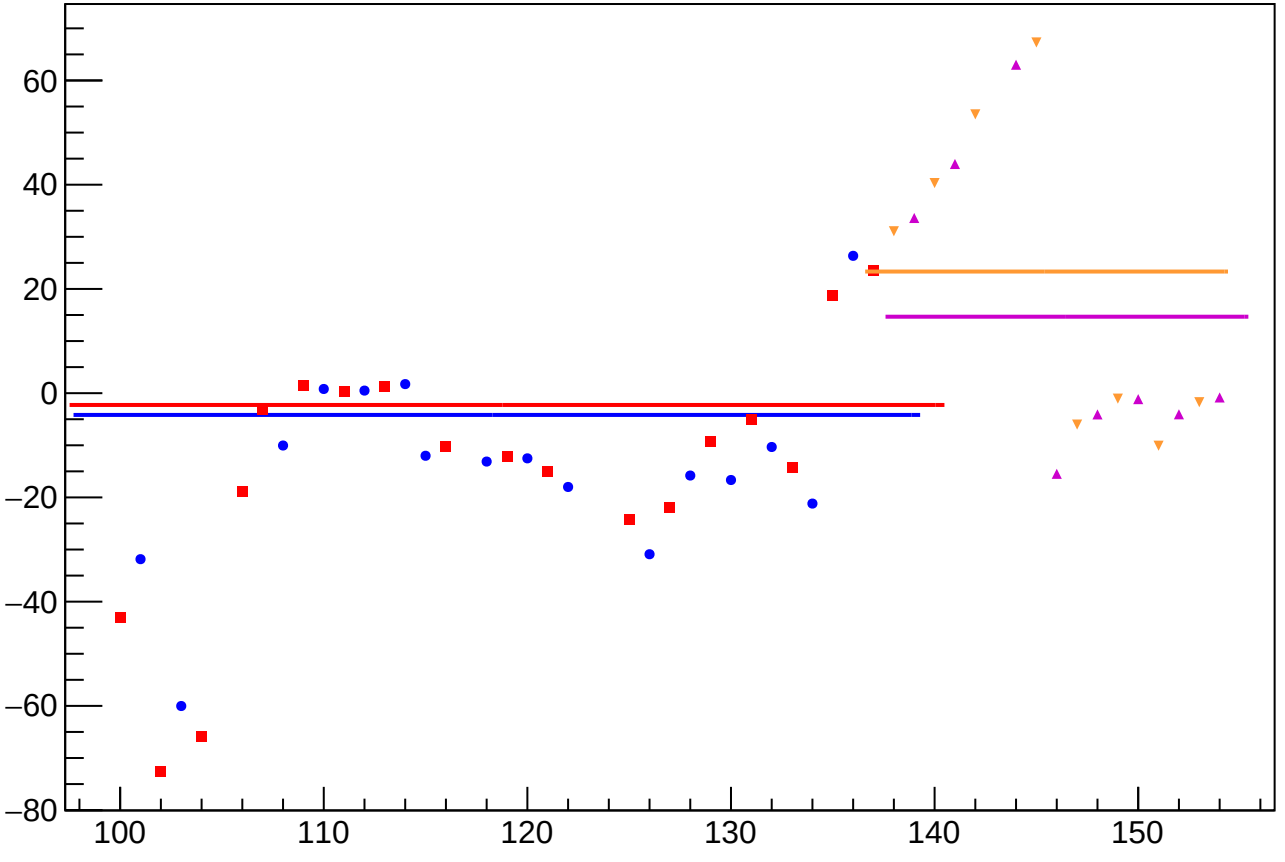
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.192+/-0.002 χ^2/NDF:14416.7/23

Out: -0.207+/-0.003 χ^2/NDF:16621.5/27

All: -0.199+/-0.002 χ^2/NDF: 31053.7/51

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: 14.672+/-0.080 χ^2/NDF:90644.9/7

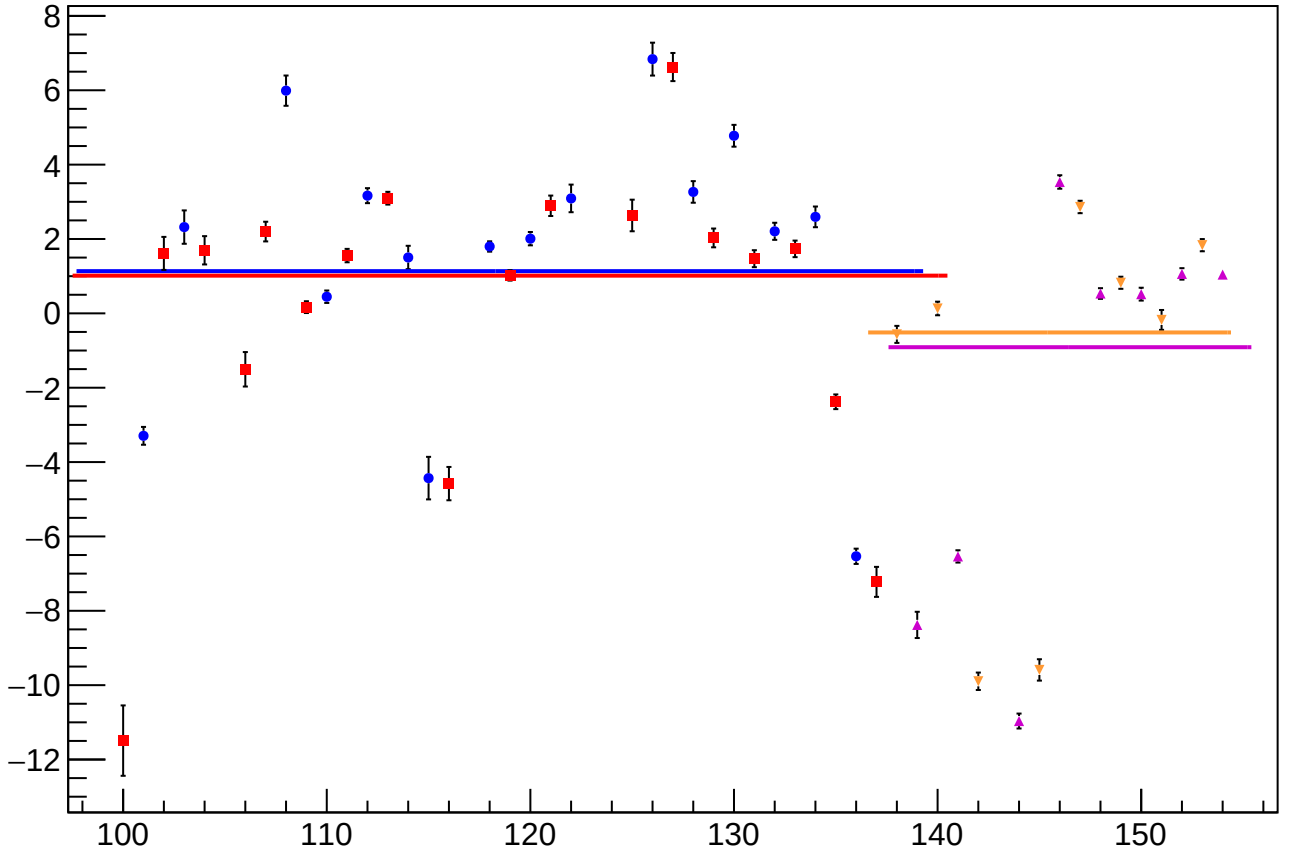
Left: 18.187+/-0.062 χ^2/NDF: 157315.7/15

Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 1.756+/-0.045 χ^2/NDF:203727.4/23

Out: 2.422+/-0.042 χ^2/NDF:198145.9/25

All: 2.116+/-0.031 χ^2/NDF: 401991.4/49



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: -0.910+/-0.056 χ^2/NDF:5391.2/7

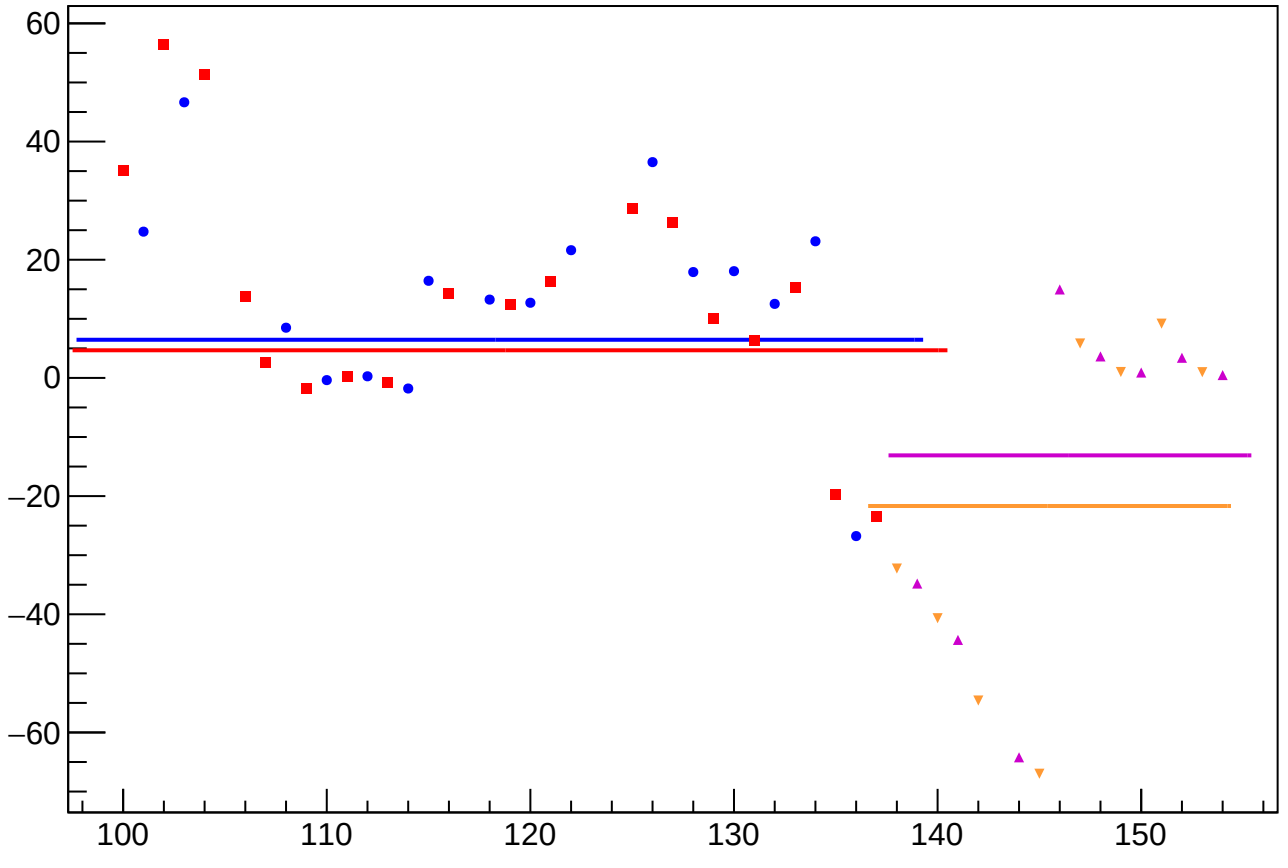
Left: -0.755+/-0.044 χ^2/NDF: 8704.1/15

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.045+/-0.041 χ^2/NDF:8602.9/23

Out: 0.403+/-0.044 χ^2/NDF:5171.7/25

All: 0.211+/-0.030 χ^2/NDF: 13809.7/49



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: -13.107+/-0.078 χ^2/NDF:92783.4/7

Left: -16.497+/-0.060 χ^2/NDF: 161971.3/15

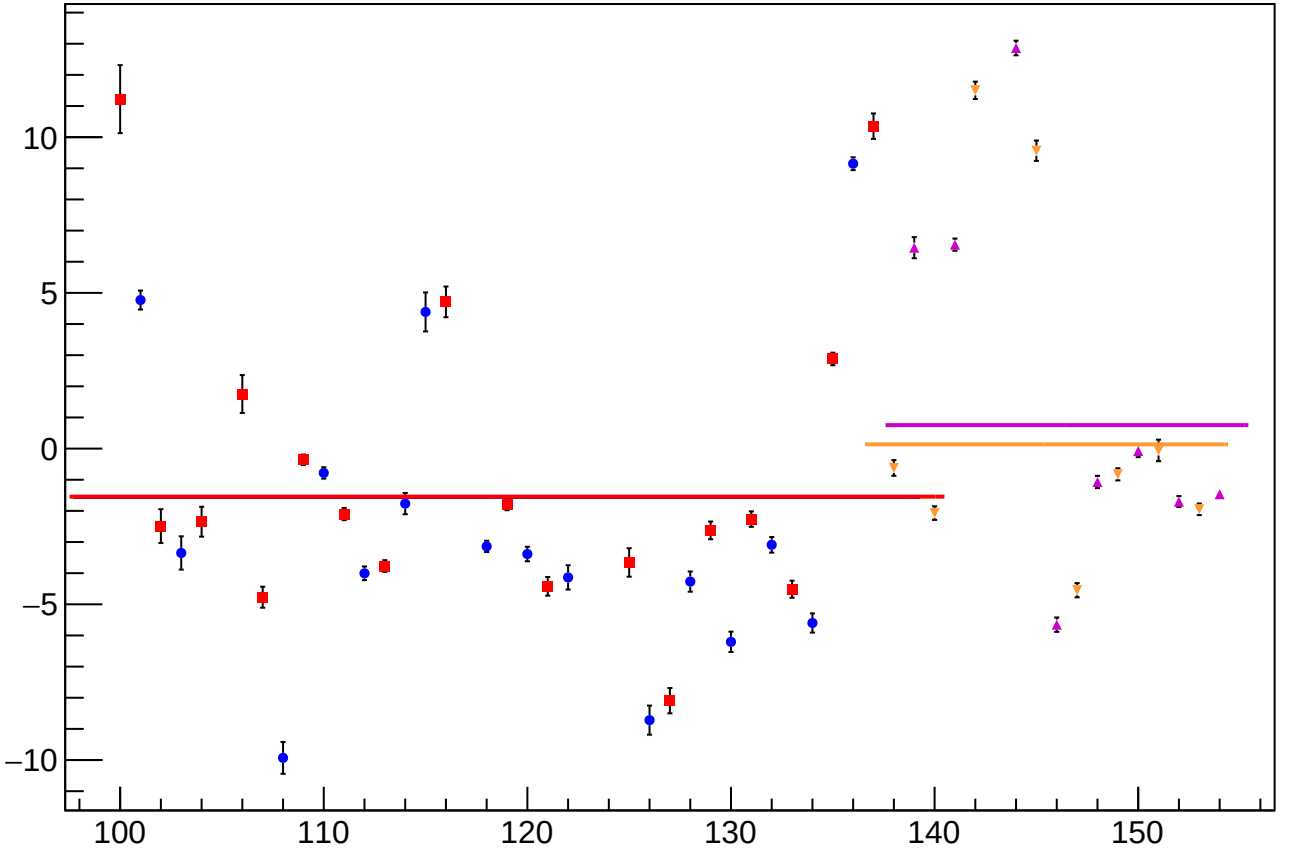
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -1.582+/-0.050 χ^2/NDF:200852.9/23

Out: -2.549+/-0.050 χ^2/NDF:193339.6/25

All: -2.061+/-0.035 χ^2/NDF: 394378.6/49

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: 0.754+/-0.067 χ^2/NDF:5212.3/7

Left: 0.515+/-0.052 χ^2/NDF: 8422.4/15

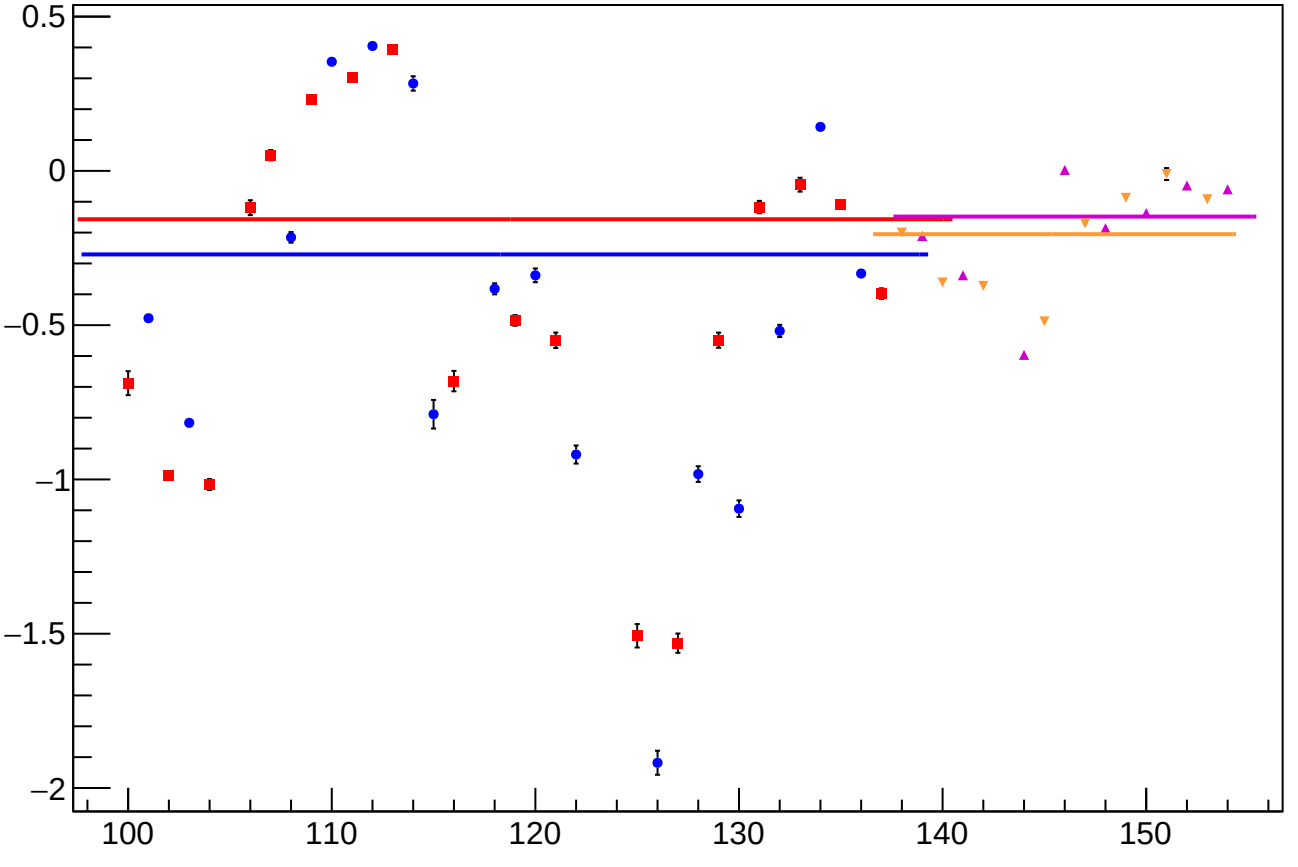
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.359+/-0.048 χ^2/NDF:10328.5/23

Out: -0.921+/-0.051 χ^2/NDF:5900.7/25

All: -0.622+/-0.035 χ^2/NDF: 16293.0/49

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: -0.148+/-0.003 χ^2/NDF:2412.7/7

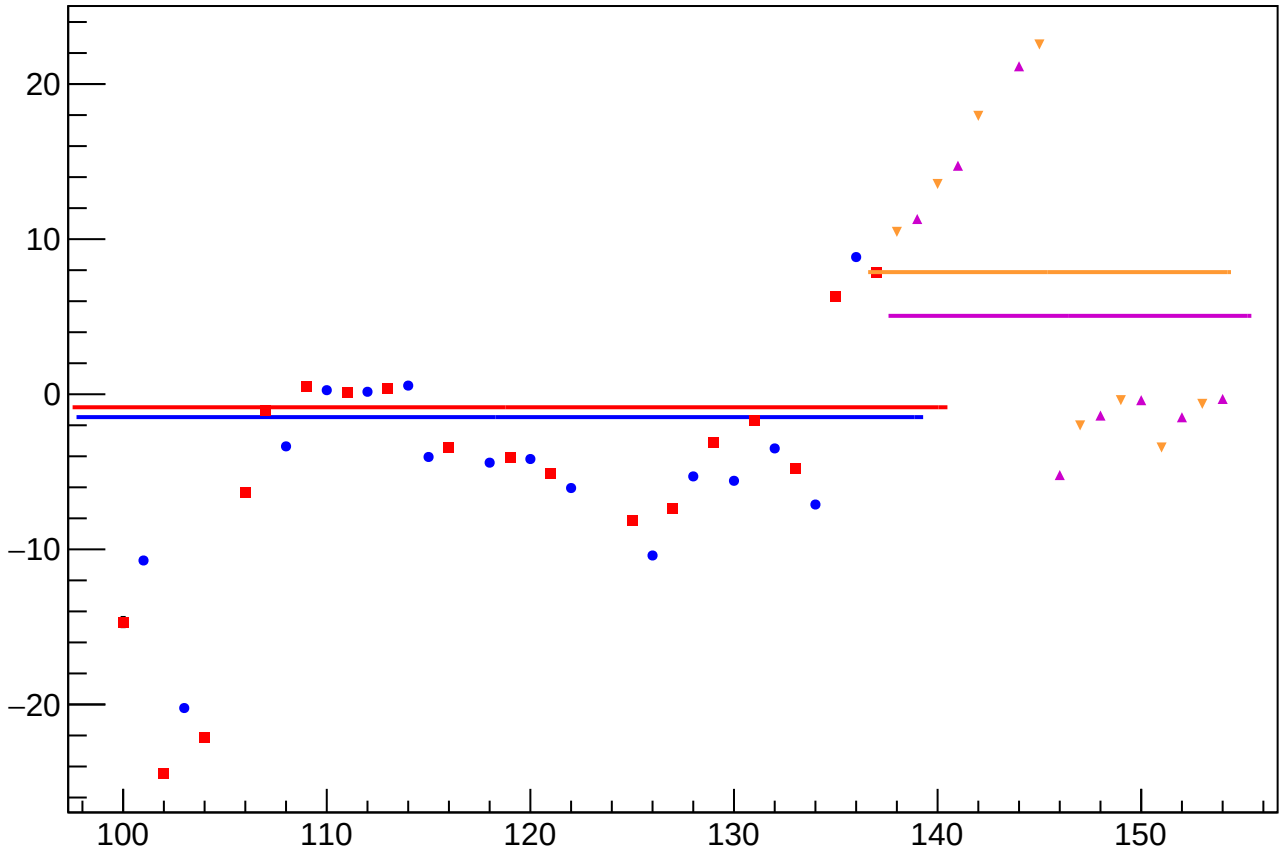
Left: -0.169+/-0.002 χ^2/NDF: 3819.8/15

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.188+/-0.002 χ^2/NDF:15100.4/23

Out: -0.181+/-0.003 χ^2/NDF:16363.7/25

All: -0.185+/-0.002 χ^2/NDF: 31467.9/49



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: 5.056+/-0.028 χ^2/NDF:88135.0/7

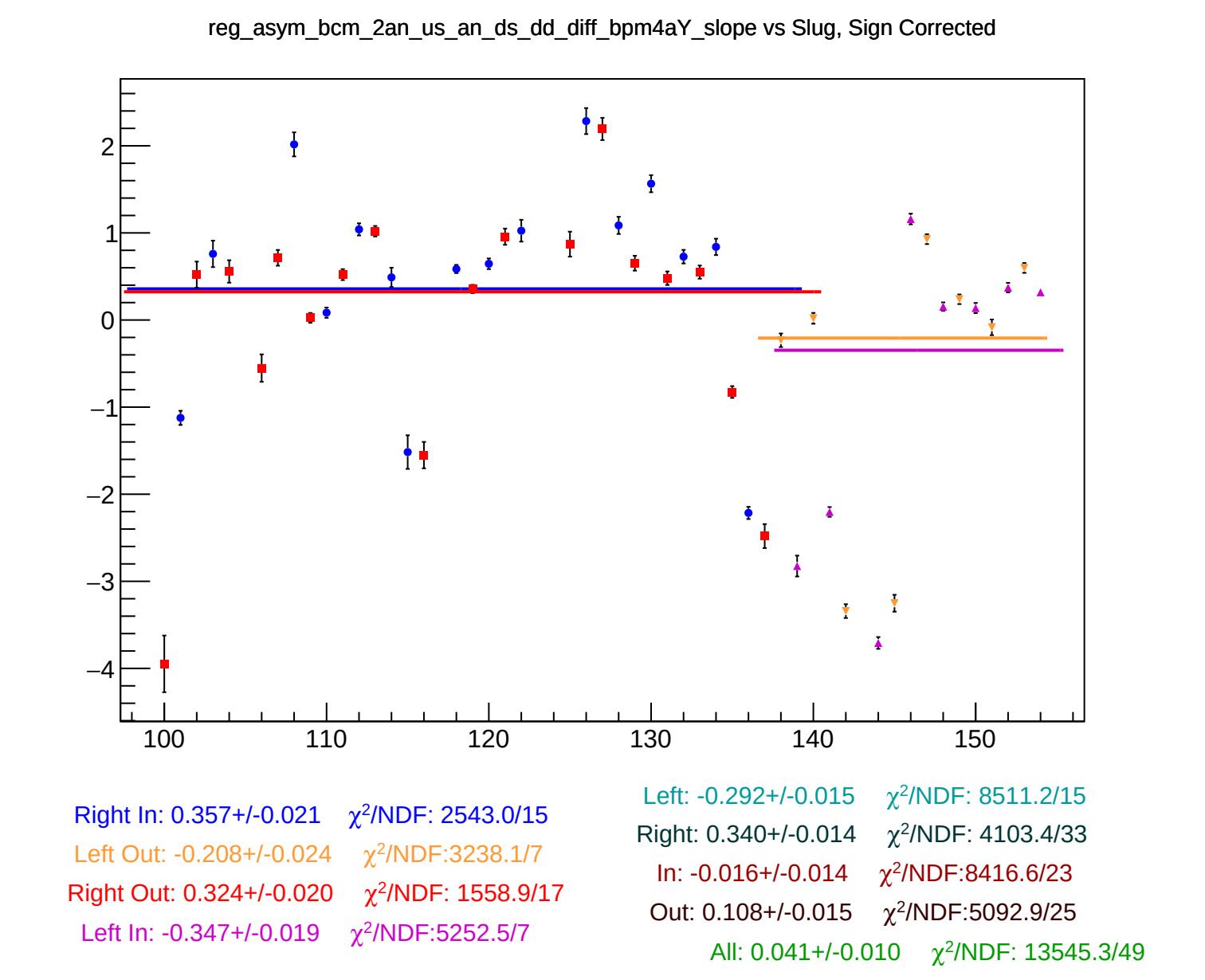
Left: 6.213+/-0.021 χ^2/NDF: 153274.0/15

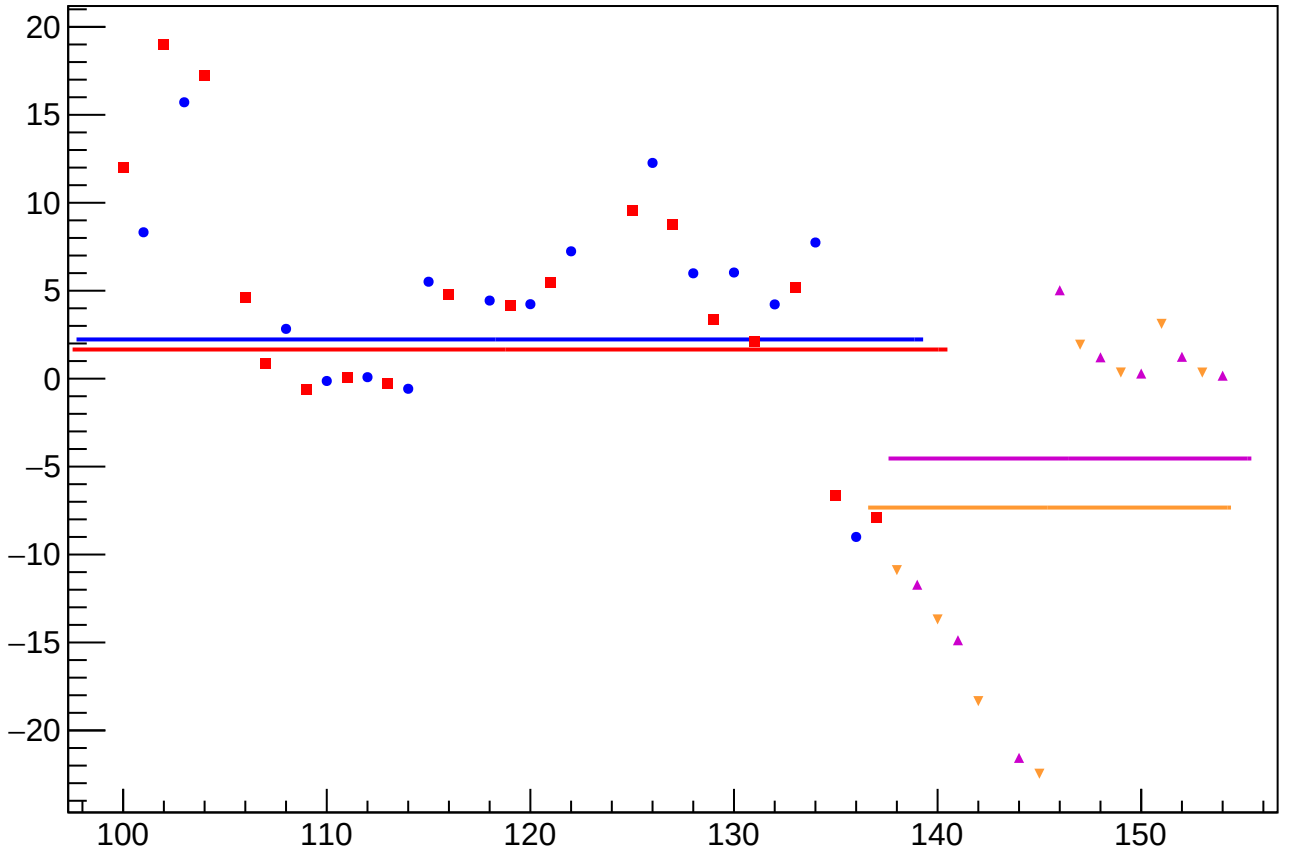
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.584+/-0.016 χ^2/NDF:200120.7/23

Out: 0.818+/-0.014 χ^2/NDF:195021.4/25

All: 0.709+/-0.011 χ^2/NDF: 395263.9/49


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: -0.347+/-0.019 χ²/NDF:5252.5/7
Left: -0.292+/-0.015 χ²/NDF: 8511.2/15
Right: 0.340+/-0.014 χ²/NDF: 4103.4/33
In: -0.016+/-0.014 χ²/NDF:8416.6/23
Out: 0.108+/-0.015 χ²/NDF:5092.9/25
All: 0.041+/-0.010 χ²/NDF: 13545.3/49



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: -4.540+/-0.027 χ^2/NDF:90338.3/7

Left: -5.659+/-0.021 χ^2/NDF: 157963.5/15

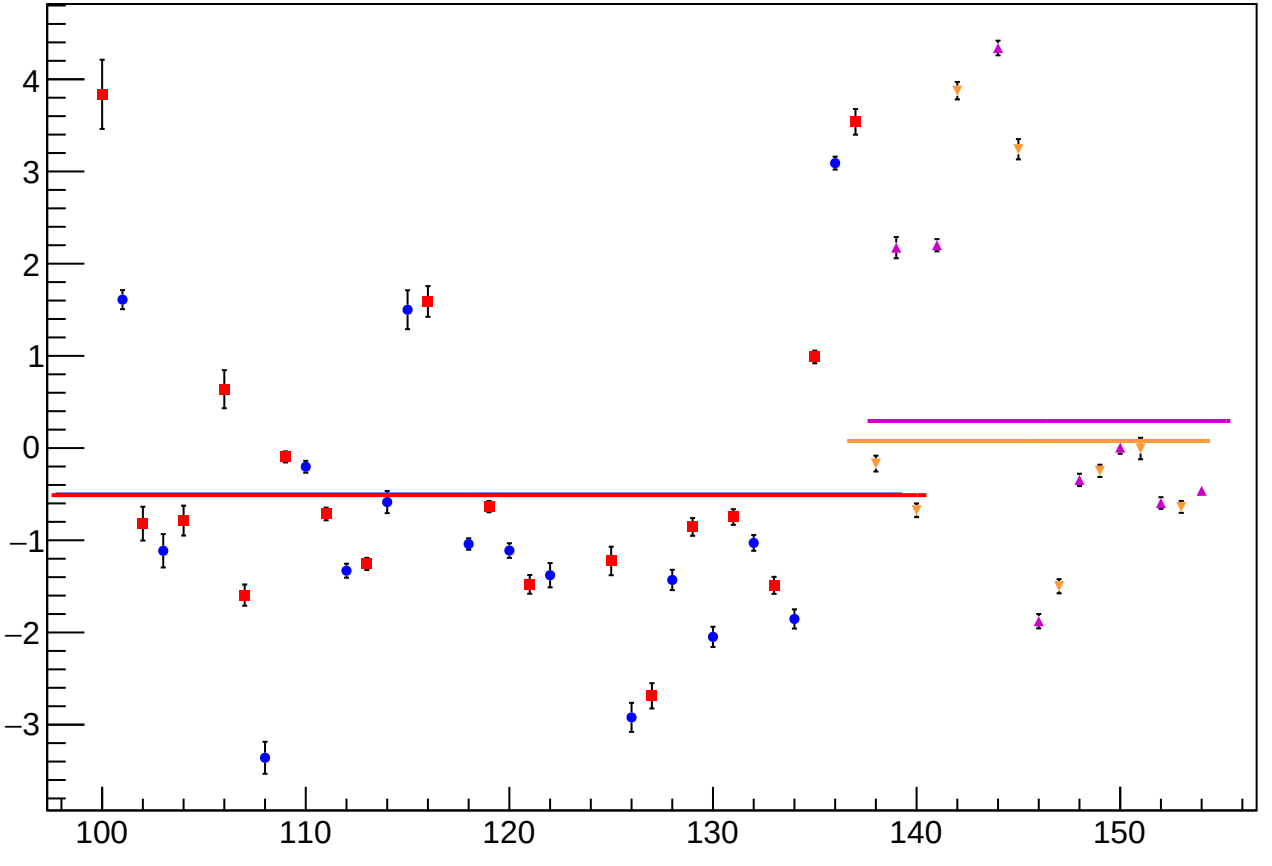
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.538+/-0.017 χ^2/NDF:197339.5/23

Out: -0.868+/-0.017 χ^2/NDF:190339.4/25

All: -0.701+/-0.012 χ^2/NDF: 387862.7/49

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: 0.294+/-0.023 χ^2/NDF:5086.1/7

Left: 0.209+/-0.018 χ^2/NDF: 8246.0/15

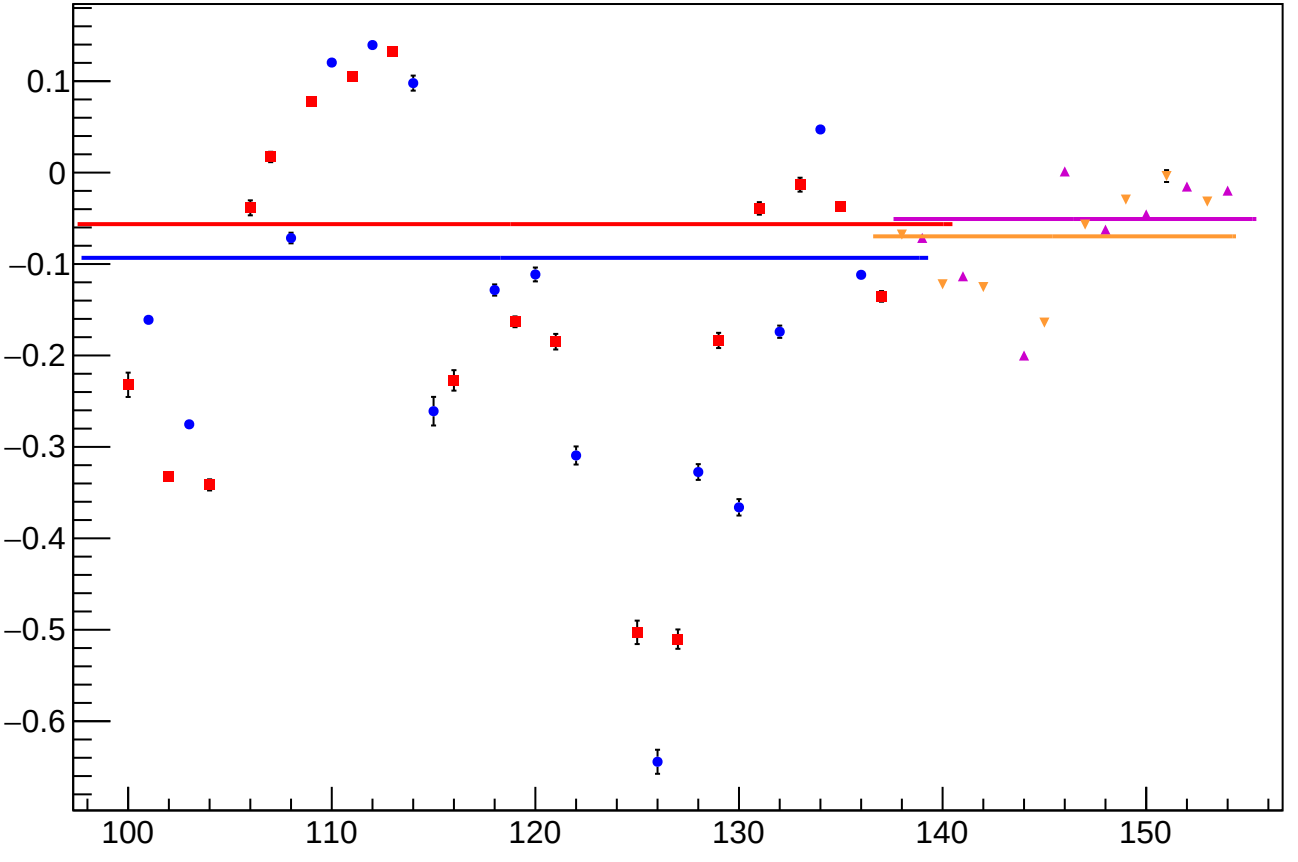
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.094+/-0.017 χ^2/NDF:10115.1/23

Out: -0.289+/-0.018 χ^2/NDF:5812.0/25

All: -0.185+/-0.012 χ^2/NDF: 15992.6/49

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: -0.051+/-0.001 χ^2/NDF:2350.6/7

Left: -0.058+/-0.001 χ^2/NDF: 3722.6/15

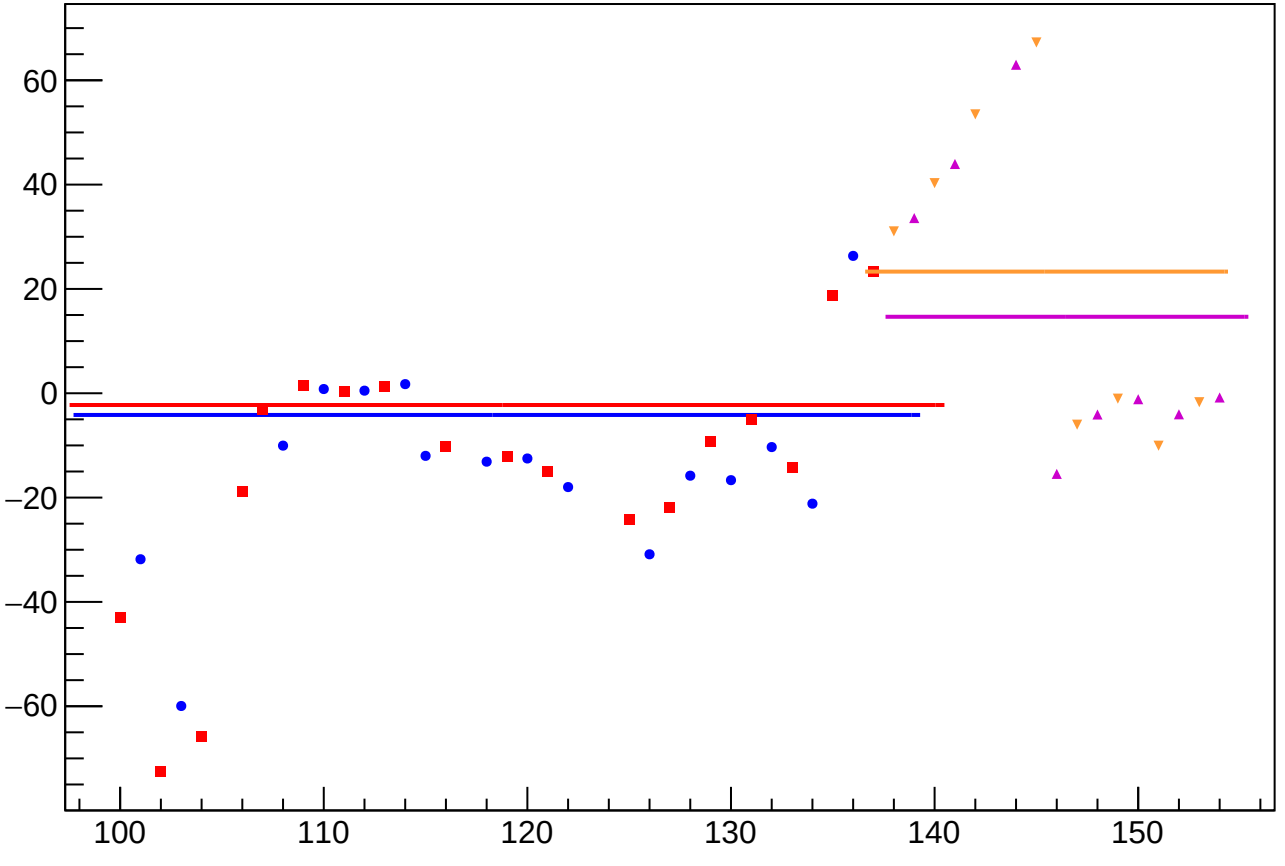
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.065+/-0.001 χ^2/NDF:14697.7/23

Out: -0.063+/-0.001 χ^2/NDF:15746.8/25

All: -0.064+/-0.001 χ^2/NDF: 30446.3/49

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: 14.663+/-0.080 χ^2/NDF:90650.7/7

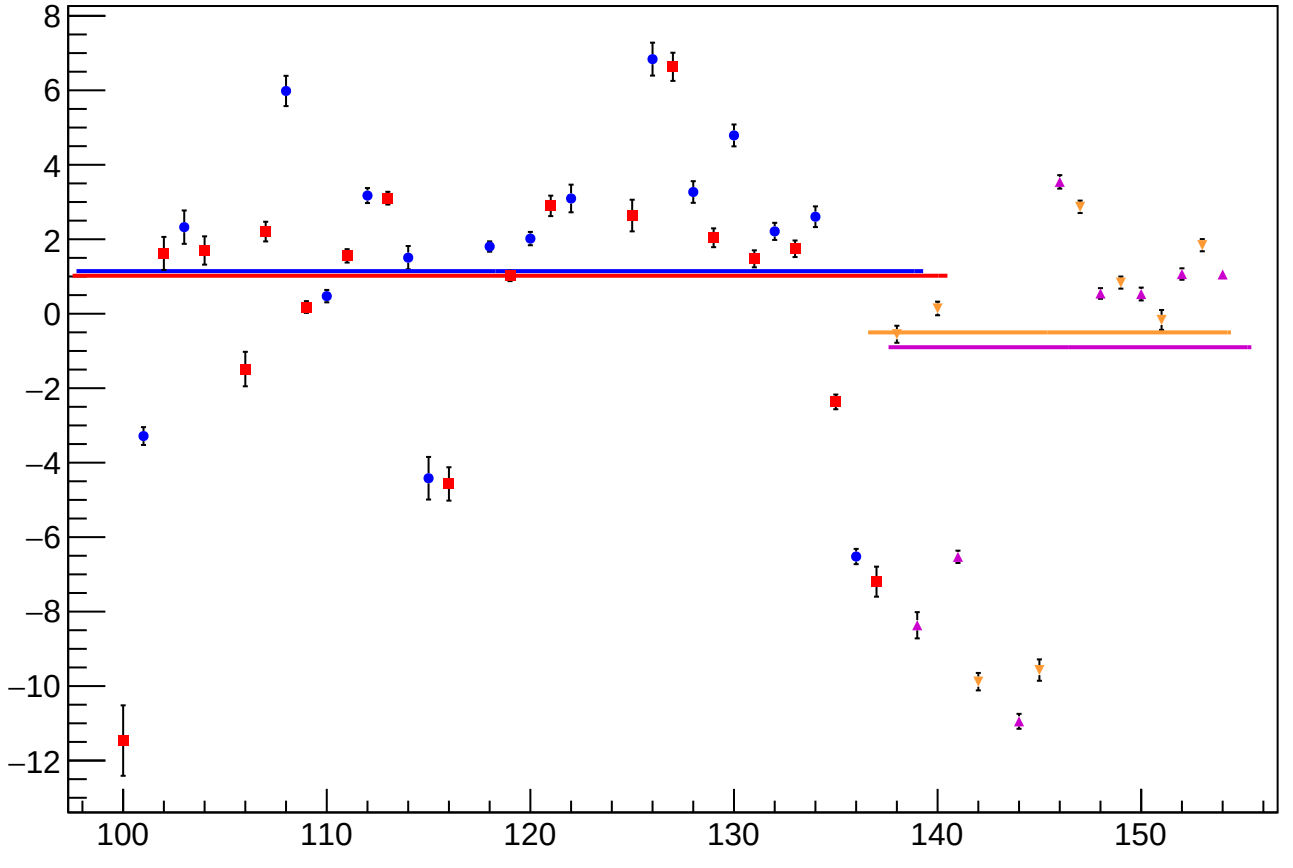
Left: 18.175+/-0.062 χ^2/NDF: 157308.3/15

Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 1.759+/-0.045 χ^2/NDF:203742.5/23

Out: 2.422+/-0.042 χ^2/NDF:198142.3/25

All: 2.117+/-0.031 χ^2/NDF: 402001.8/49



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: -0.899+/-0.056 χ^2/NDF:5395.2/7

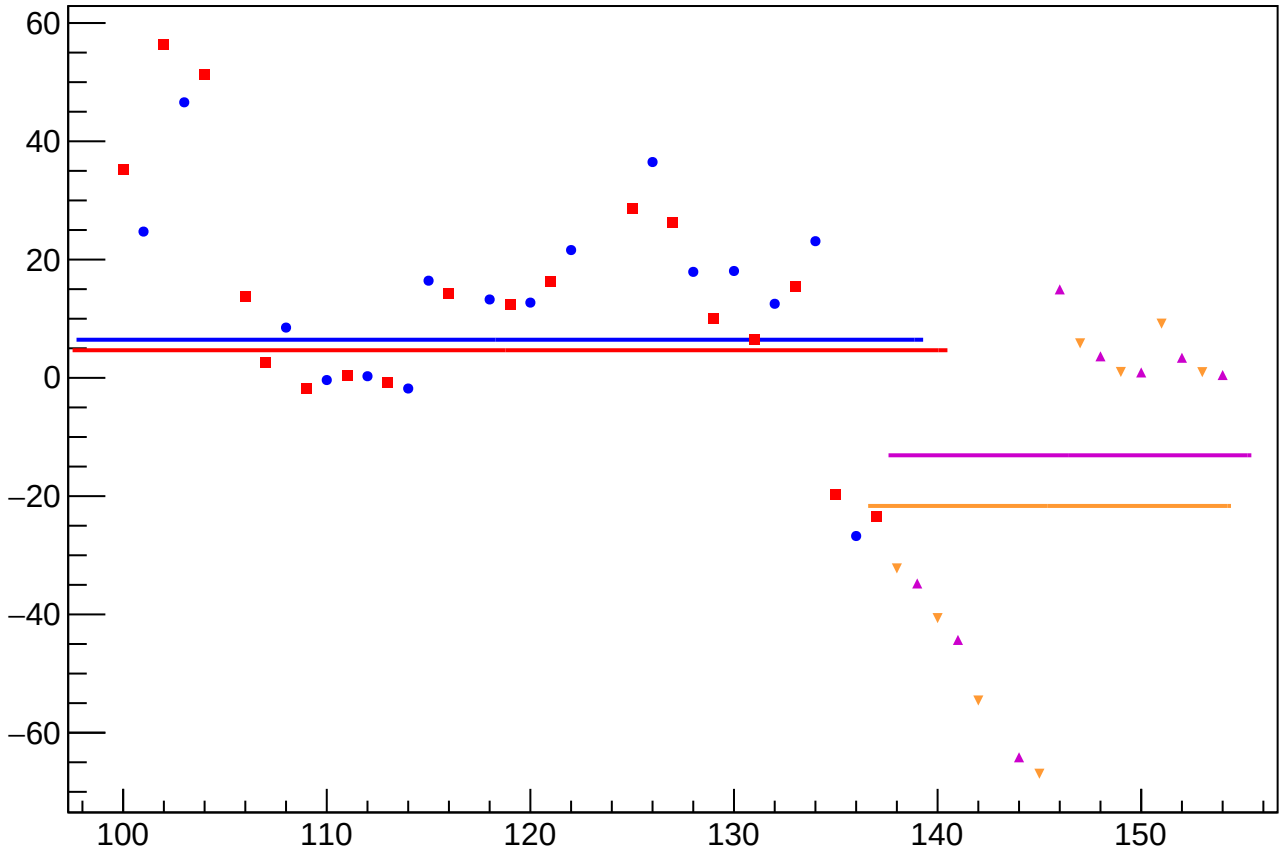
Left: -0.743+/-0.044 χ^2/NDF: 8709.1/15

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.055+/-0.041 χ^2/NDF:8606.4/23

Out: 0.412+/-0.044 χ^2/NDF:5169.2/25

All: 0.220+/-0.030 χ^2/NDF: 13810.7/49



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: -13.093+/-0.078 χ^2/NDF:92788.1/7

Left: -16.480+/-0.060 χ^2/NDF: 161961.7/15

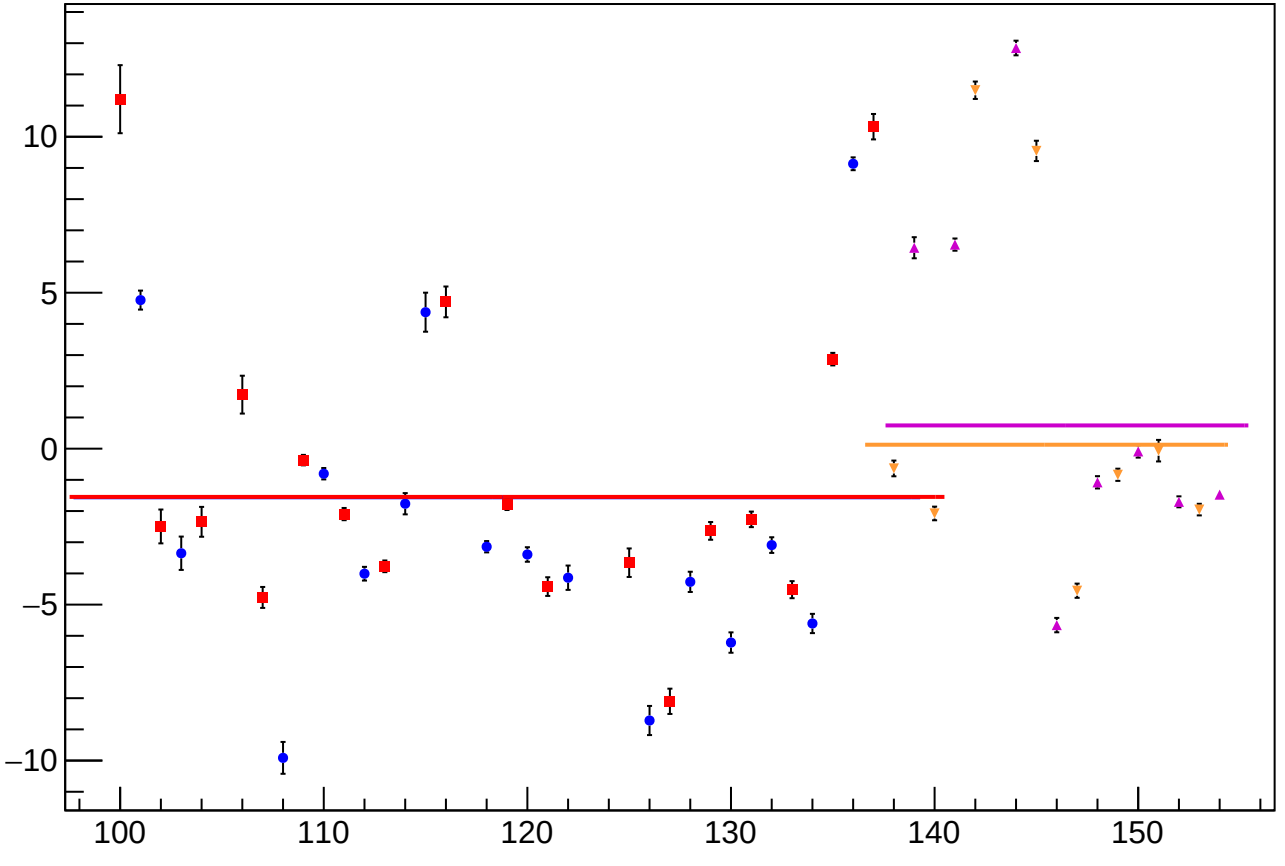
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -1.580+/-0.050 χ^2/NDF:200861.8/23

Out: -2.542+/-0.050 χ^2/NDF:193329.1/25

All: -2.057+/-0.035 χ^2/NDF: 394375.9/49

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: 0.745+/-0.067 χ^2/NDF:5215.5/7

Left: 0.505+/-0.052 χ^2/NDF: 8426.3/15

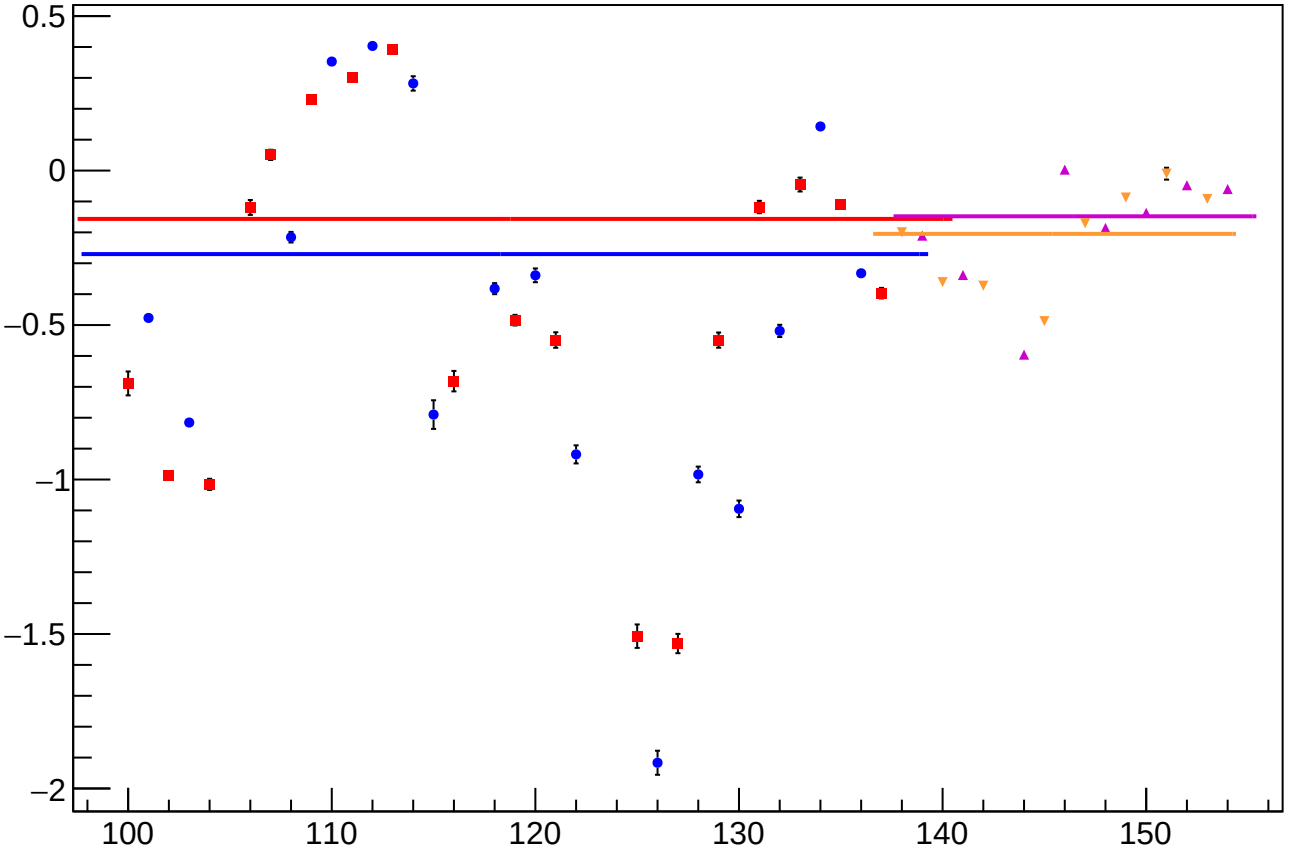
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.367+/-0.048 χ^2/NDF:10331.0/23

Out: -0.927+/-0.051 χ^2/NDF:5897.0/25

All: -0.630+/-0.035 χ^2/NDF: 16291.6/49

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: -0.148+/-0.003 χ^2/NDF:2411.2/7

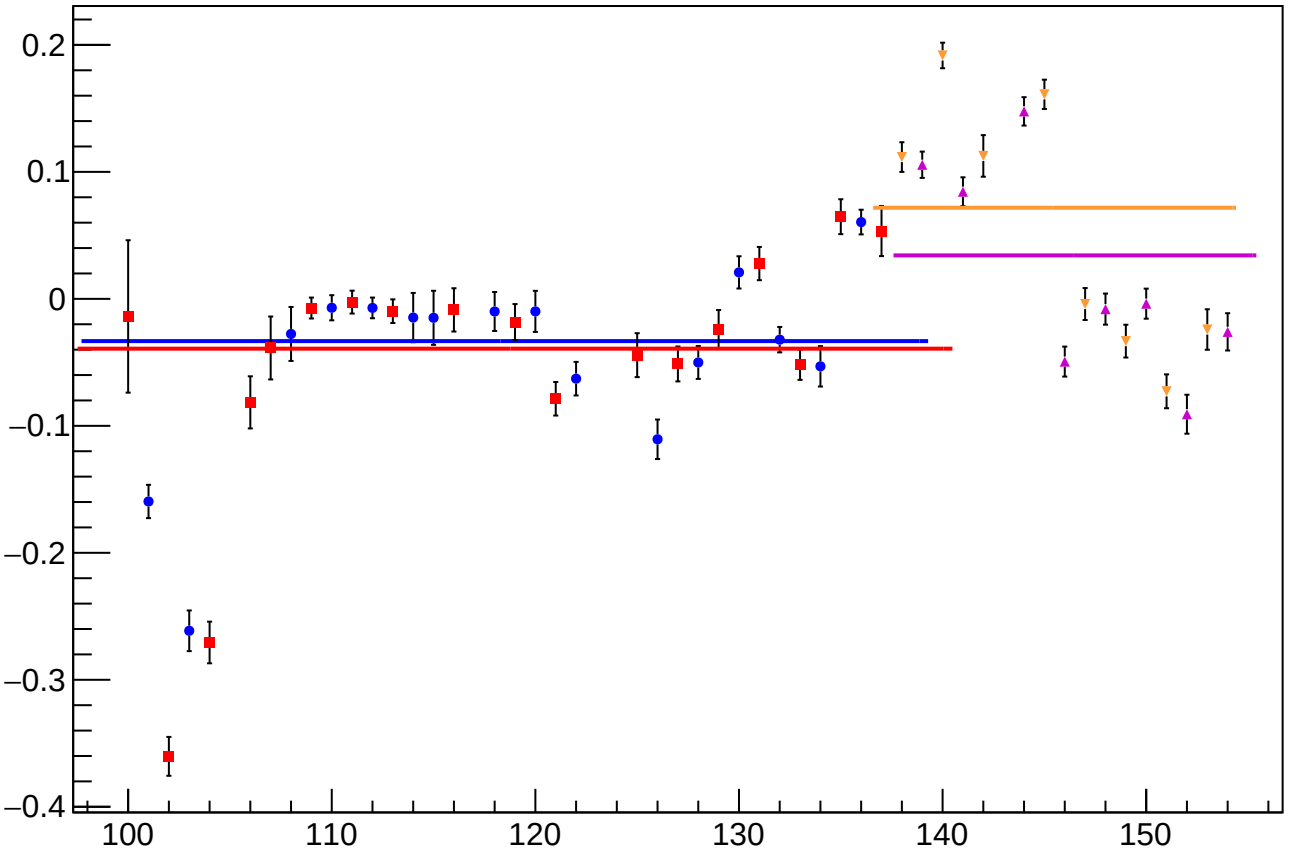
Left: -0.169+/-0.002 χ^2/NDF: 3817.2/15

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.188+/-0.002 χ^2/NDF:15098.0/23

Out: -0.181+/-0.003 χ^2/NDF:16375.1/25

All: -0.185+/-0.002 χ^2/NDF: 31477.2/49



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: 0.034+/-0.004 χ^2/NDF:325.9/7

Left: 0.052+/-0.003 χ^2/NDF: 839.1/15

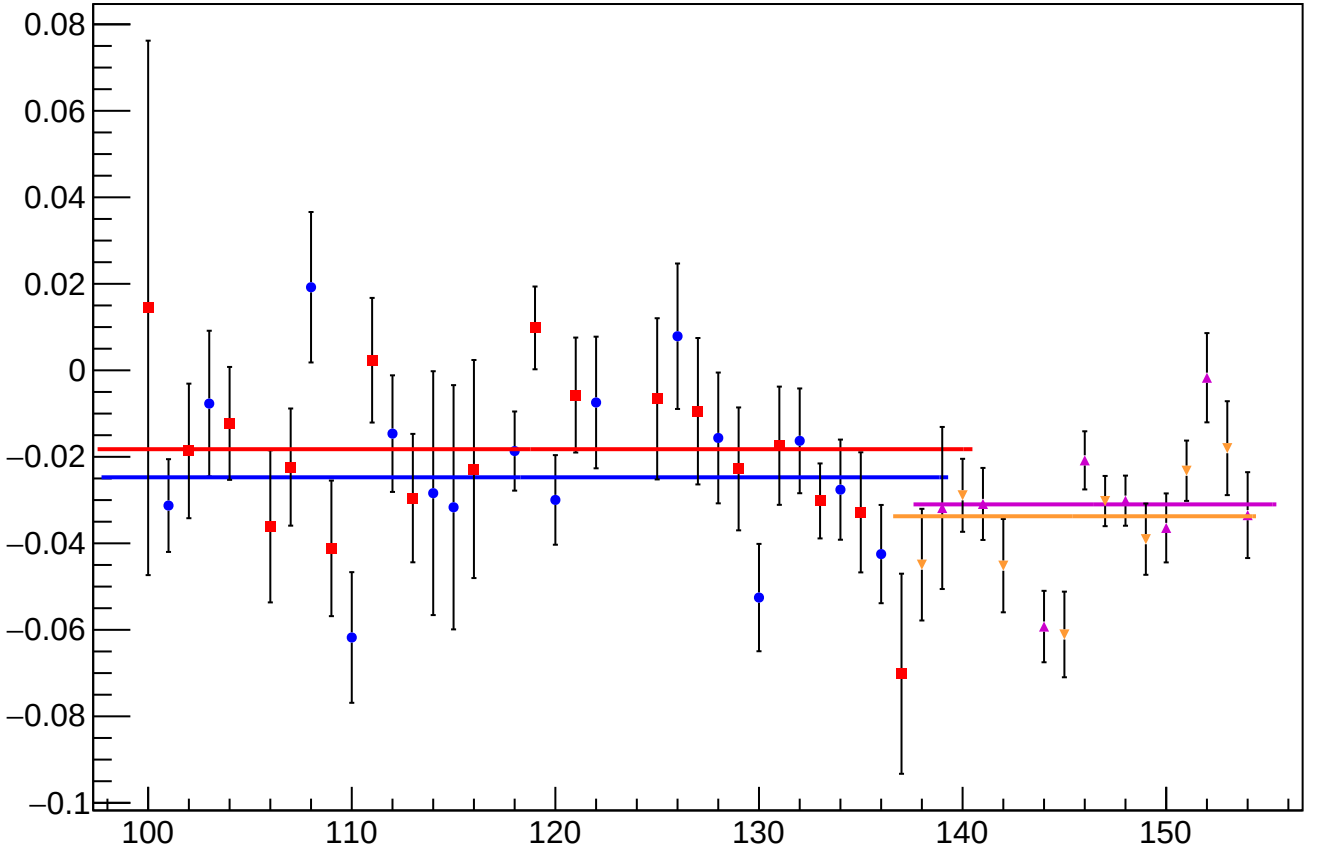
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.003 χ^2/NDF:949.2/23

Out: -0.002+/-0.003 χ^2/NDF:1694.4/25

All: -0.005+/-0.002 χ^2/NDF: 2647.3/49

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:22.6/7

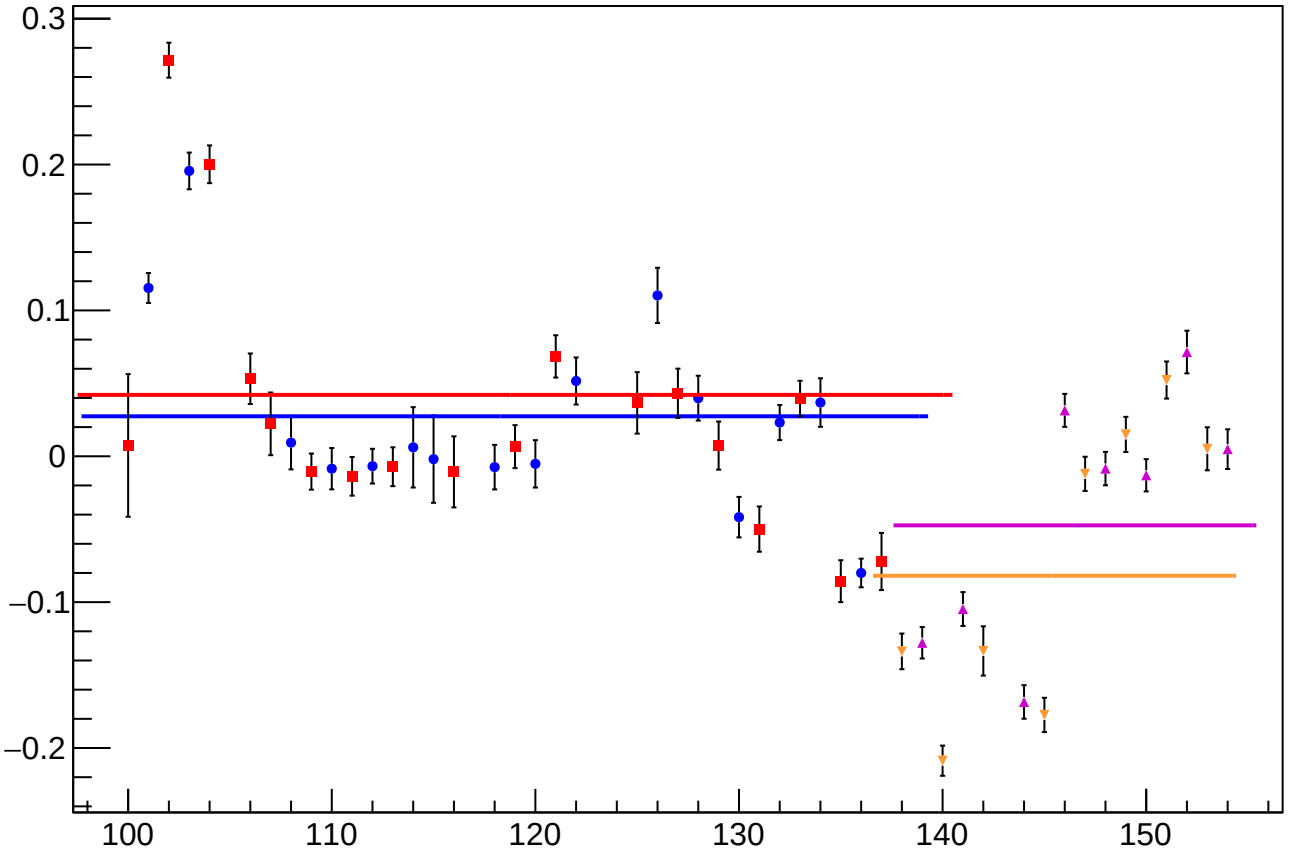
Left: -0.032+/-0.002 χ^2/NDF: 38.0/15

Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.028+/-0.002 χ^2/NDF:53.2/23

Out: -0.027+/-0.002 χ^2/NDF:51.5/25

All: -0.028+/-0.002 χ^2/NDF: 104.9/49



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: -0.047+/-0.004 χ^2/NDF:341.3/7

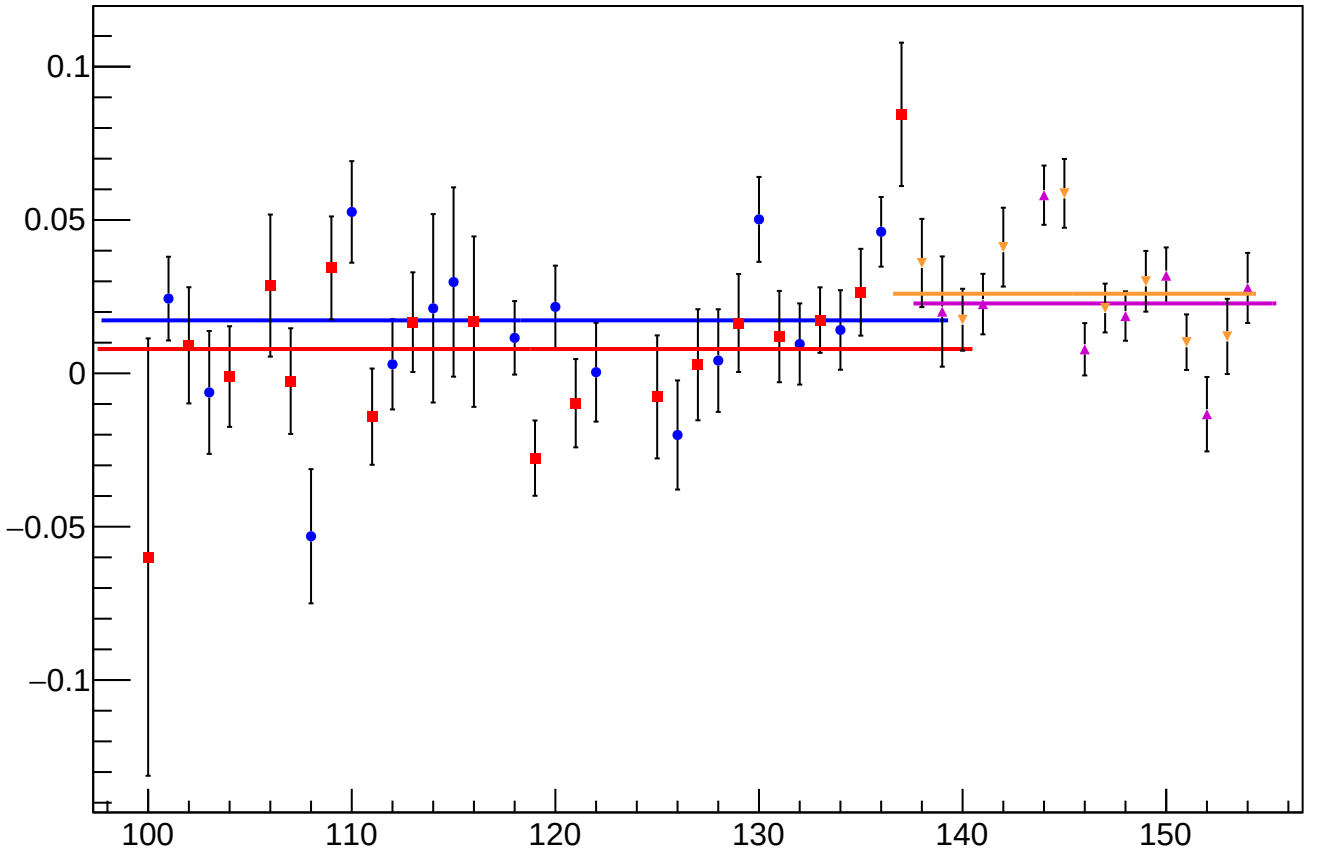
Left: -0.064+/-0.003 χ^2/NDF: 863.0/15

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.003 χ^2/NDF:972.2/23

Out: -0.008+/-0.003 χ^2/NDF:1694.4/25

All: -0.006+/-0.002 χ^2/NDF: 2667.7/49



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.026+/-0.004 χ^2/NDF:15.9/7

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.023+/-0.004 χ^2/NDF:26.7/7

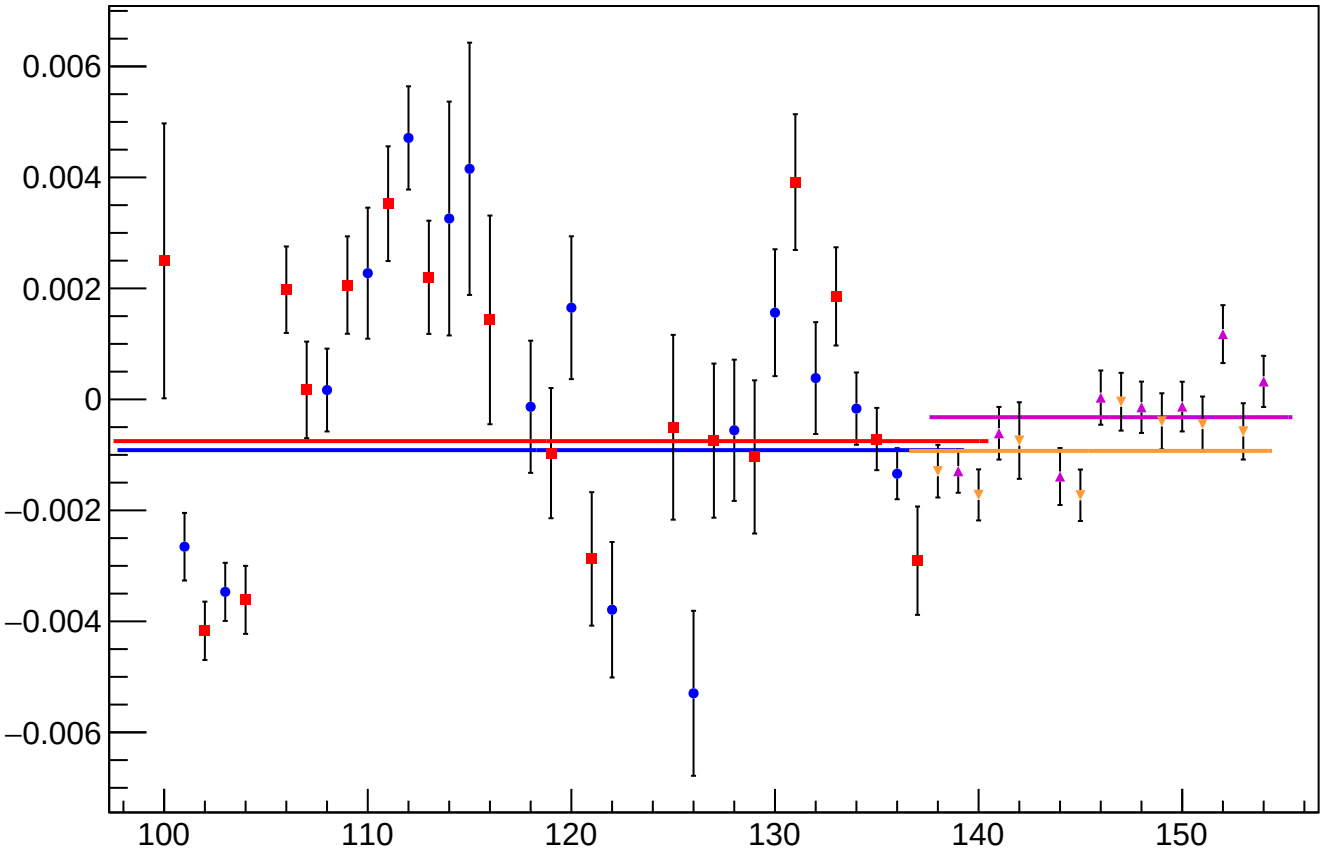
Left: 0.024+/-0.003 χ^2/NDF: 43.0/15

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.020+/-0.003 χ^2/NDF:64.5/23

Out: 0.017+/-0.003 χ^2/NDF:58.6/25

All: 0.019+/-0.002 χ^2/NDF: 123.6/49



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:22.0/7

Left: -0.001+/-0.000 χ^2/NDF: 40.4/15

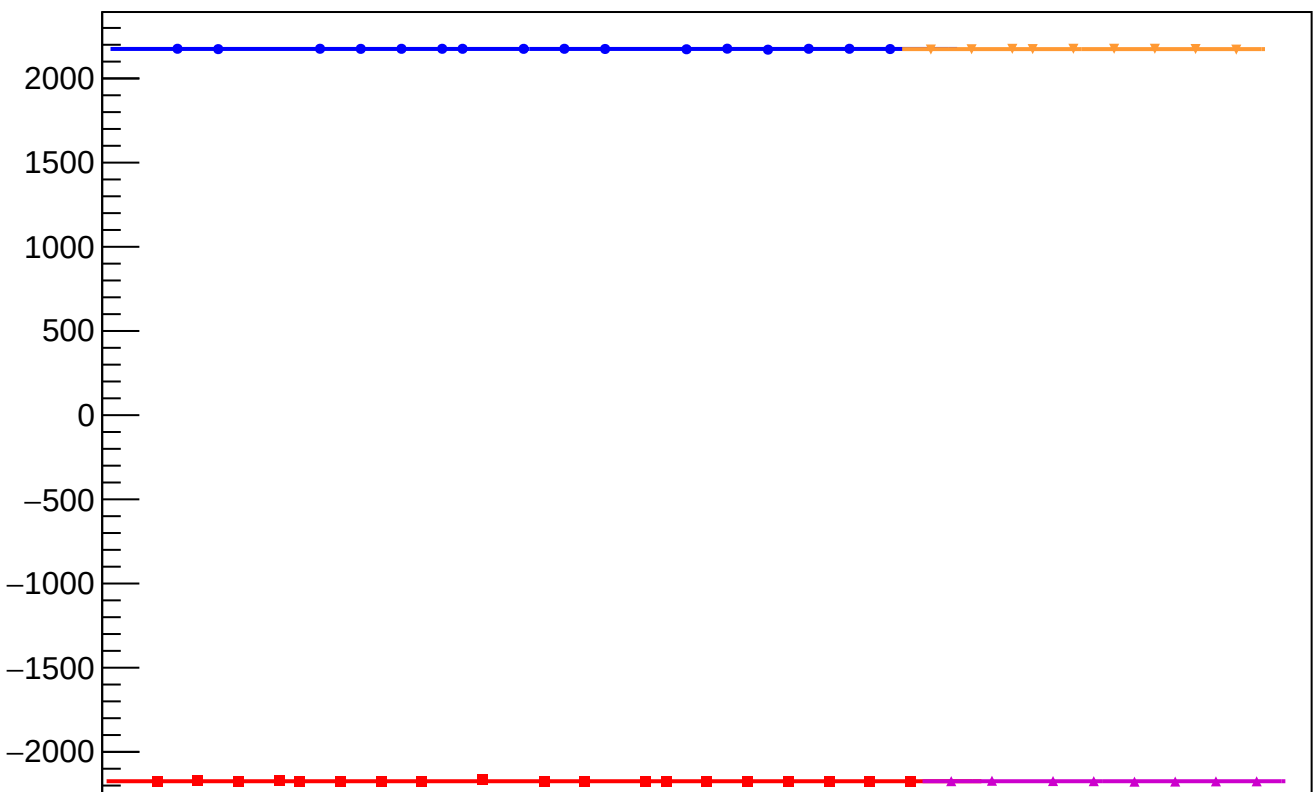
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:141.0/23

Out: -0.001+/-0.000 χ^2/NDF:160.0/25

All: -0.001+/-0.000 χ^2/NDF: 303.8/49

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: -2174.310+/-0.000 χ^2/NDF:191103521528394734154365485973 5040.0/7

Left: 10.377+/-0.000 χ^2/NDF: 690664821811553 94

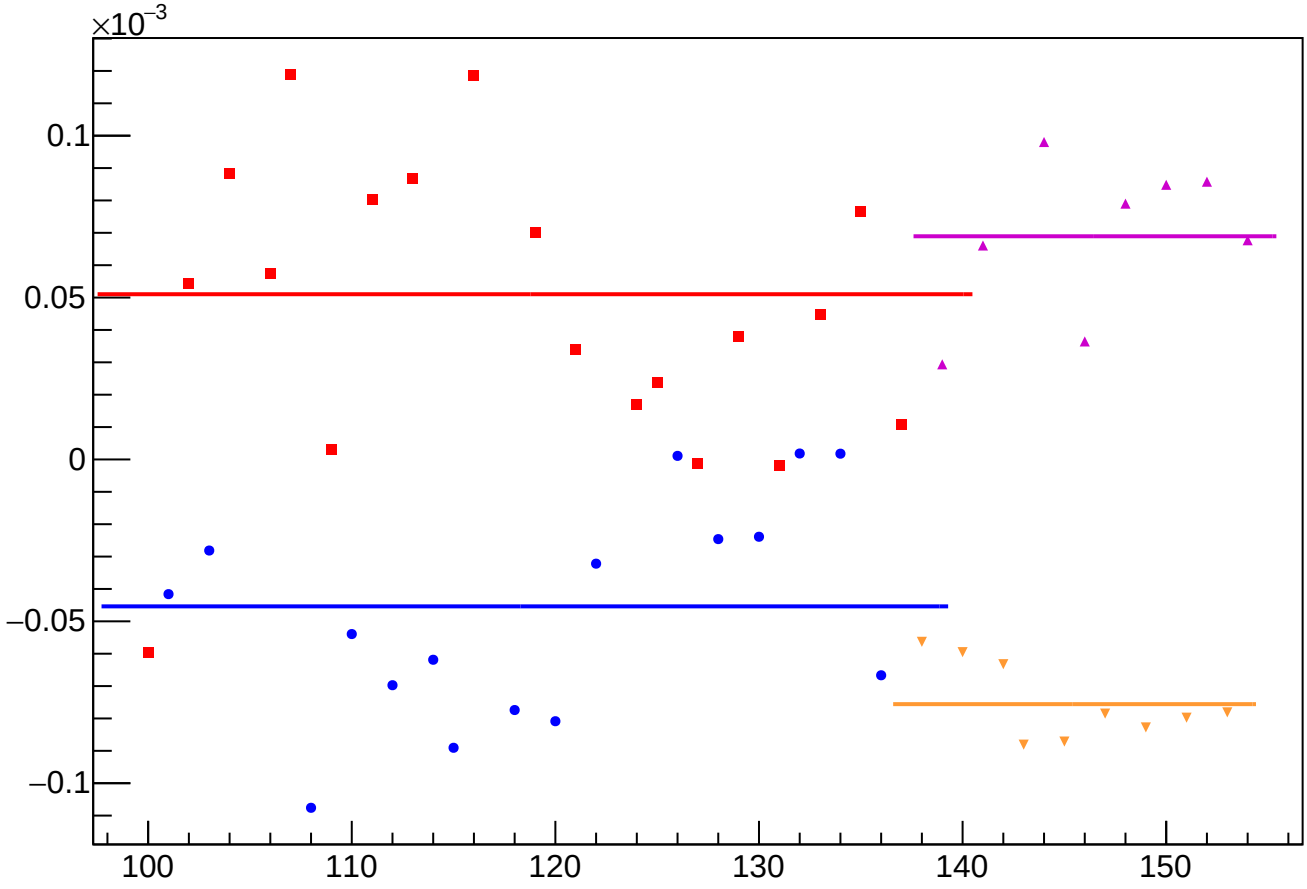
Right: -31.373+/-0.000 χ^2/NDF: 71117910490761 11

In: 21.186+/-0.000 χ^2/NDF:694236830427296475

Out: -42.168+/-0.000 χ^2/NDF:707438793376623 2

All: -10.801+/-0.000 χ^2/NDF: 140197310559

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 7131320813781223777239040.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9112108667444081459200.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 10119559107206471011532800.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3674828415480353815265280.0/7

Left: -0.000+/-0.000 χ^2/NDF: 80862215206696164

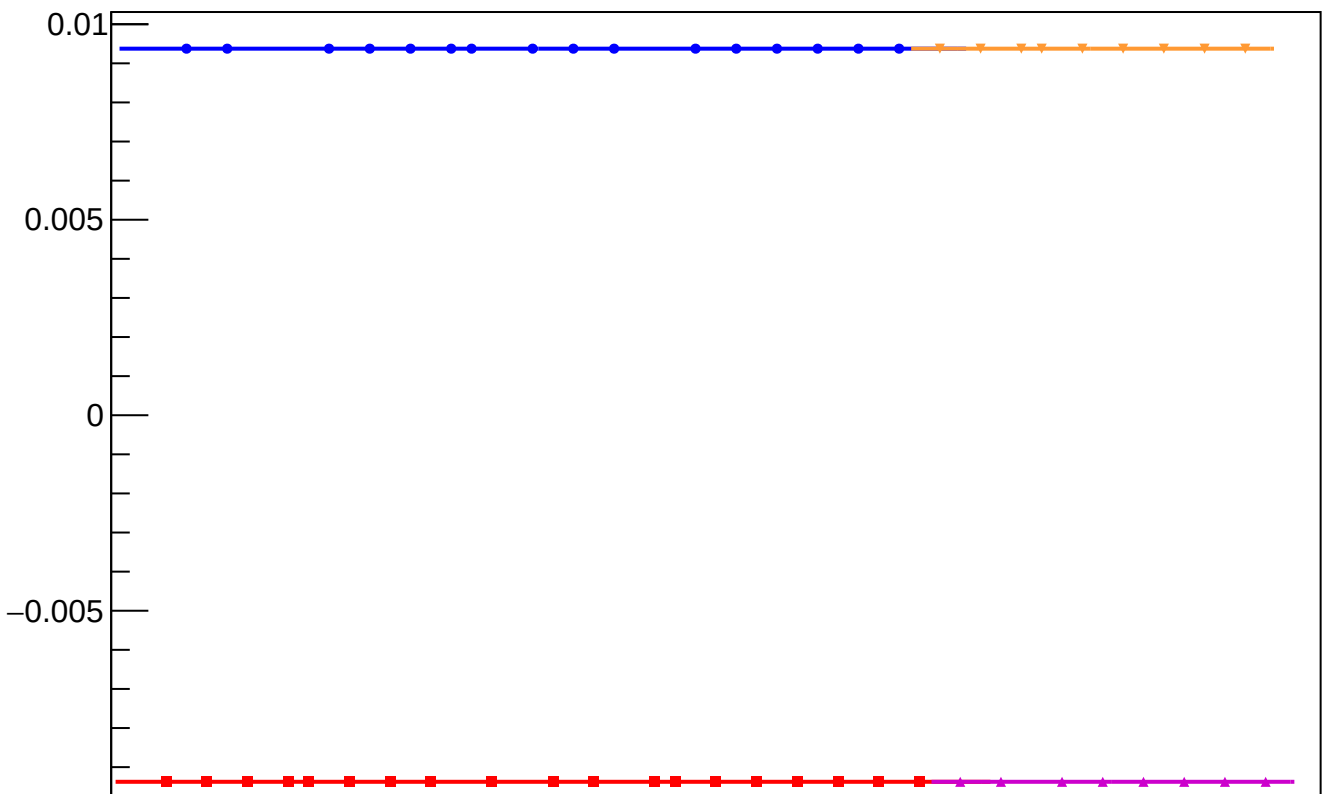
Right: 0.000+/-0.000 χ^2/NDF: 52193568733401849

In: 0.000+/-0.000 χ^2/NDF:5875777620080080988

Out: -0.000+/-0.000 χ^2/NDF:71003676131185544

All: -0.000+/-0.000 χ^2/NDF: 1334402089820

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:0.0/7

Left: 0.000+/-0.000 χ^2/NDF: 128405255390143305

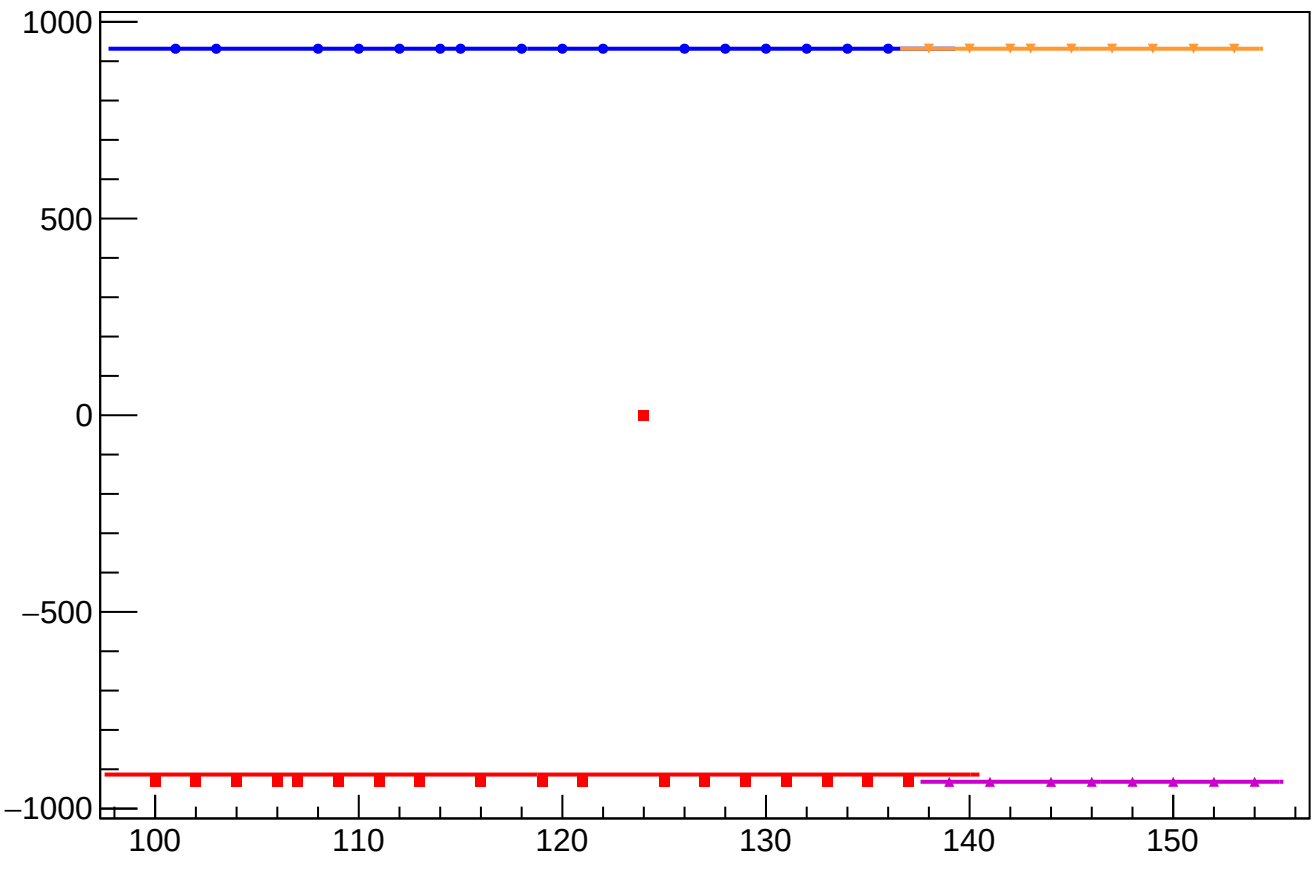
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.000+/-0.000 χ^2/NDF:129011702784400161

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: -0.000+/-0.000 χ^2/NDF: 2605890335160

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



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: -931.786+/-0.000 χ^2/NDF:31146593056474939299071336120320.0/7

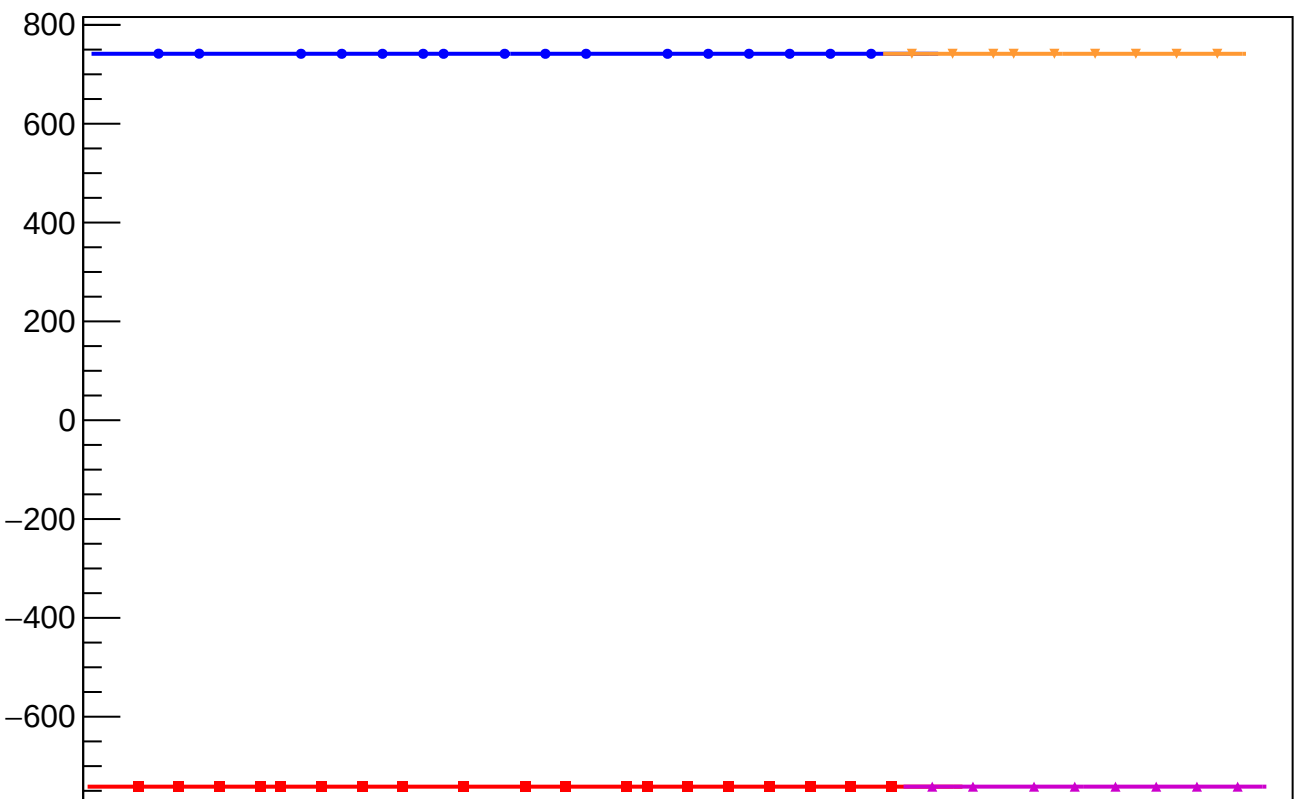
Left: 4.471+/-0.000 χ^2/NDF: 126846754312415565

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 8.878+/-0.000 χ^2/NDF:1274415823386837197

Out: -8.697+/-0.000 χ^2/NDF:12865853960474484

All: 0.005+/-0.000 χ^2/NDF: 2561230131321



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.522+/-0.000 χ^2/NDF:673161559749347832418868920 32.0/8

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Left In: -741.521+/-0.000 χ^2/NDF:689355496166535390348527534 08.0/7

Left: 3.553+/-0.000 χ^2/NDF: 803319175519964482

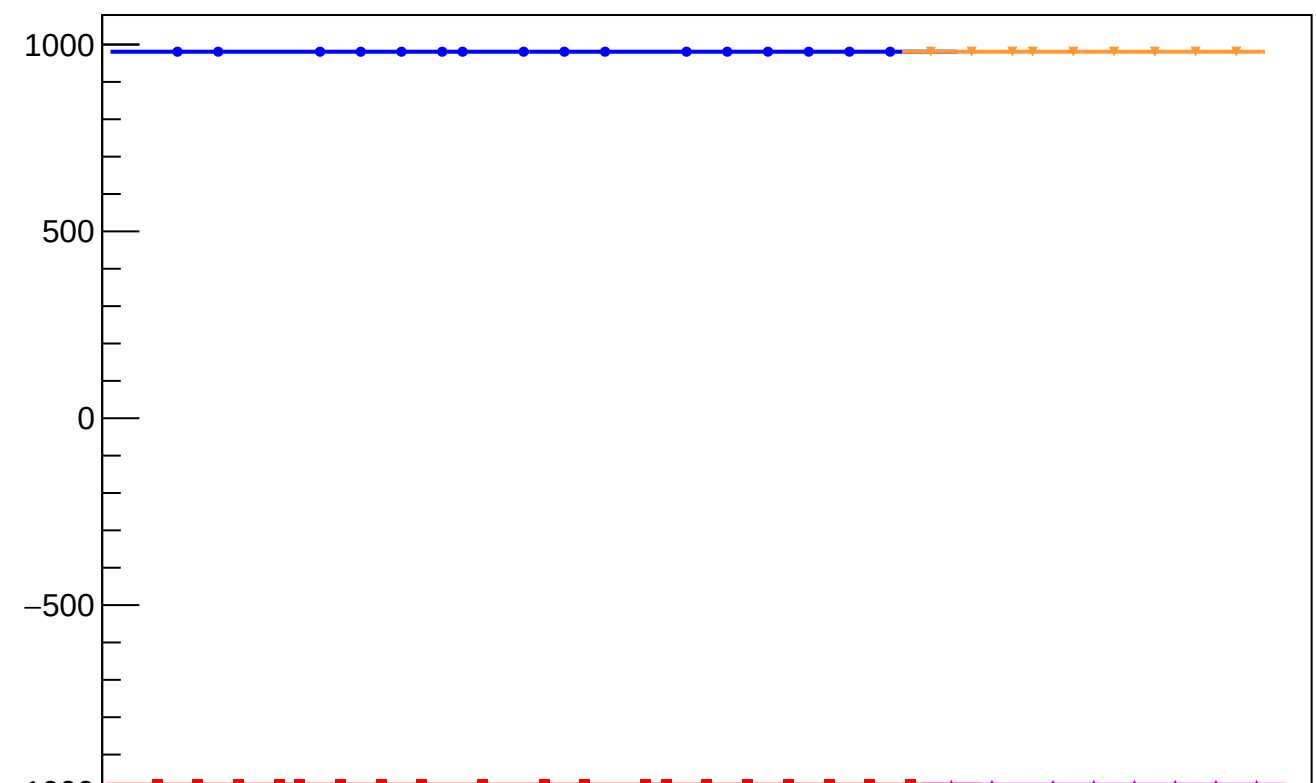
Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: 7.096+/-0.000 χ^2/NDF:807163755036190911 4

Out: -14.393+/-0.000 χ^2/NDF:822885063771683 7

All: -3.753+/-0.000 χ^2/NDF: 1630391055526

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.780+/-0.000 χ^2/NDF:5069711764922690603780837212160.0/8

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

Left In: -980.794+/-0.000 χ^2/NDF:92179540846510483101417524428 8.0/7

Left: 4.692+/-0.000 χ^2/NDF: 140536683933233736

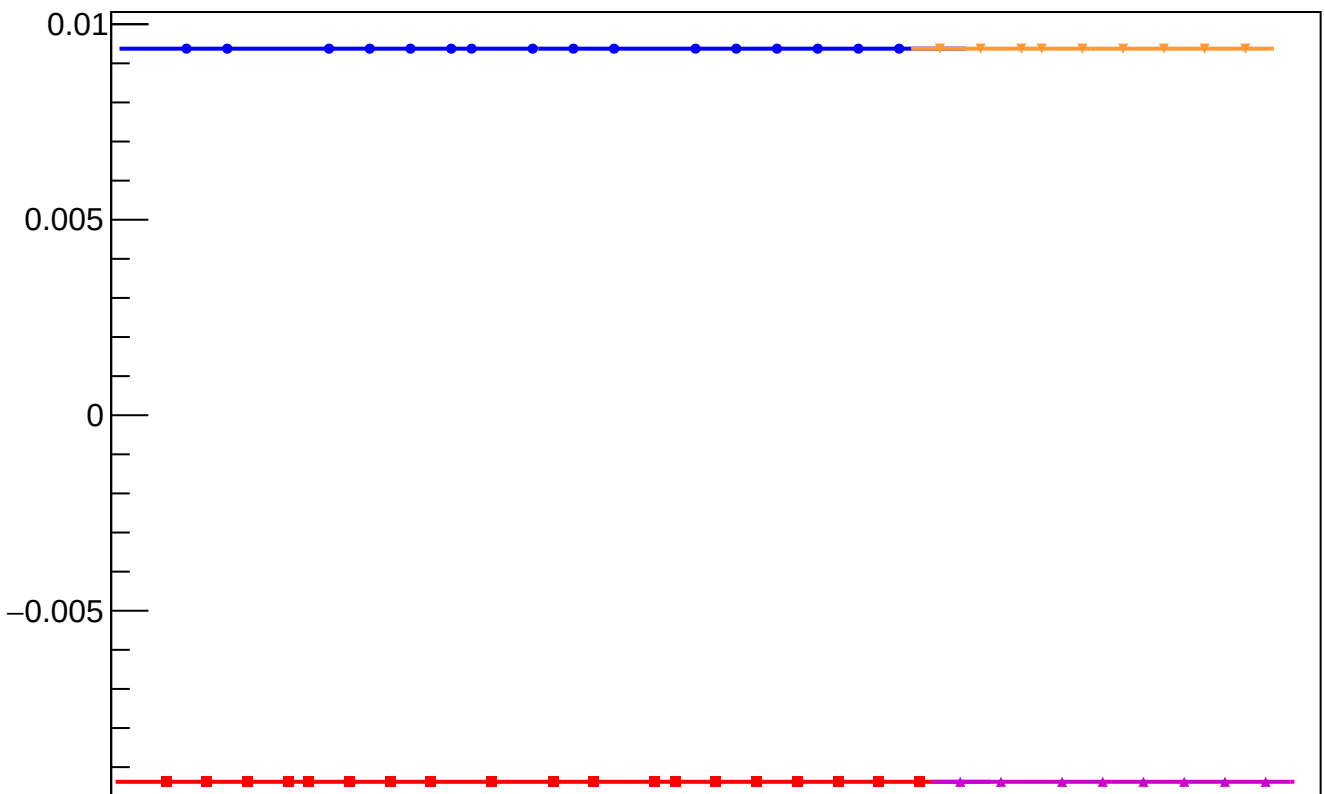
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: 9.359+/-0.000 χ^2/NDF:1412038344934454251

Out: -18.971+/-0.000 χ^2/NDF:1439387144137409

All: -4.945+/-0.000 χ^2/NDF: 2852020356028

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:0.0/7

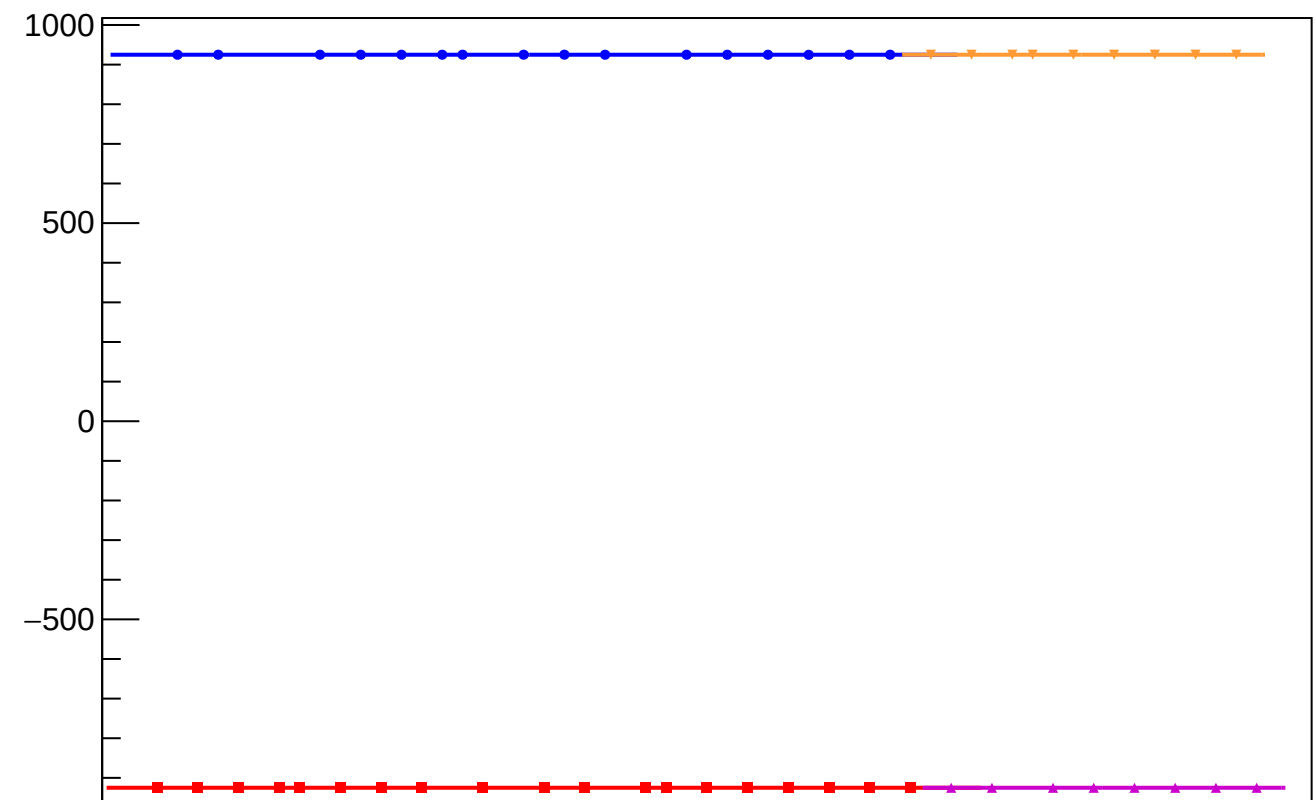
Left: 0.000+/-0.000 χ^2/NDF: 128405255390143305

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.000+/-0.000 χ^2/NDF:129011702784400161

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: -0.000+/-0.000 χ^2/NDF: 2605890335160



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: -925.001+/-0.000 χ^2/NDF:35289806204067524165076883865 6.0/7

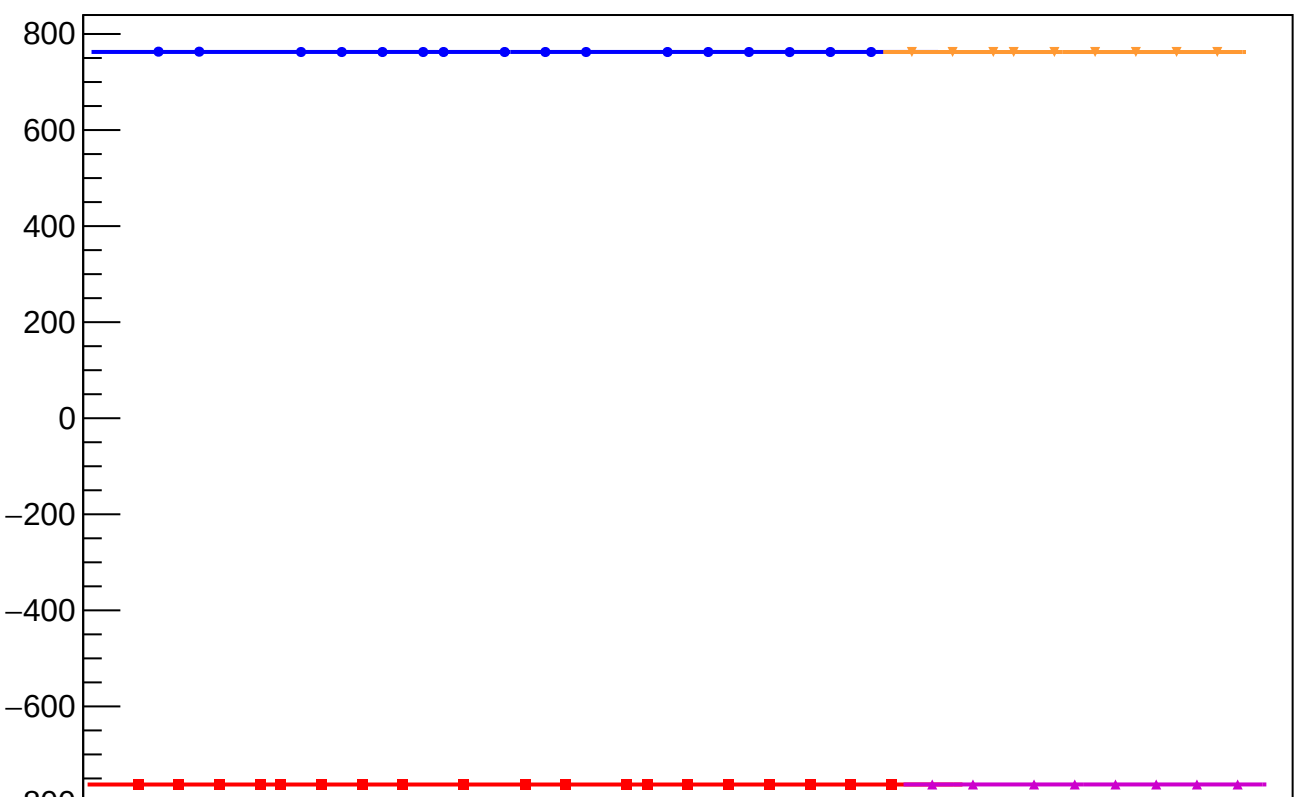
Left: 4.432+/-0.000 χ^2/NDF: 125004157728944212

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: 8.804+/-0.000 χ^2/NDF:125589841302416315

Out: -17.906+/-0.000 χ^2/NDF:1280355171352829

All: -4.681+/-0.000 χ^2/NDF: 2536782344743



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.498+/-0.000 χ^2/NDF:7456810133330584938919598489 6.0/8

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374 8864.0/18

Left In: -762.500+/-0.000 χ^2/NDF:617754260167345437039929589 76.0/7

Left: 3.652+/-0.000 χ^2/NDF: 8494126958456125 50

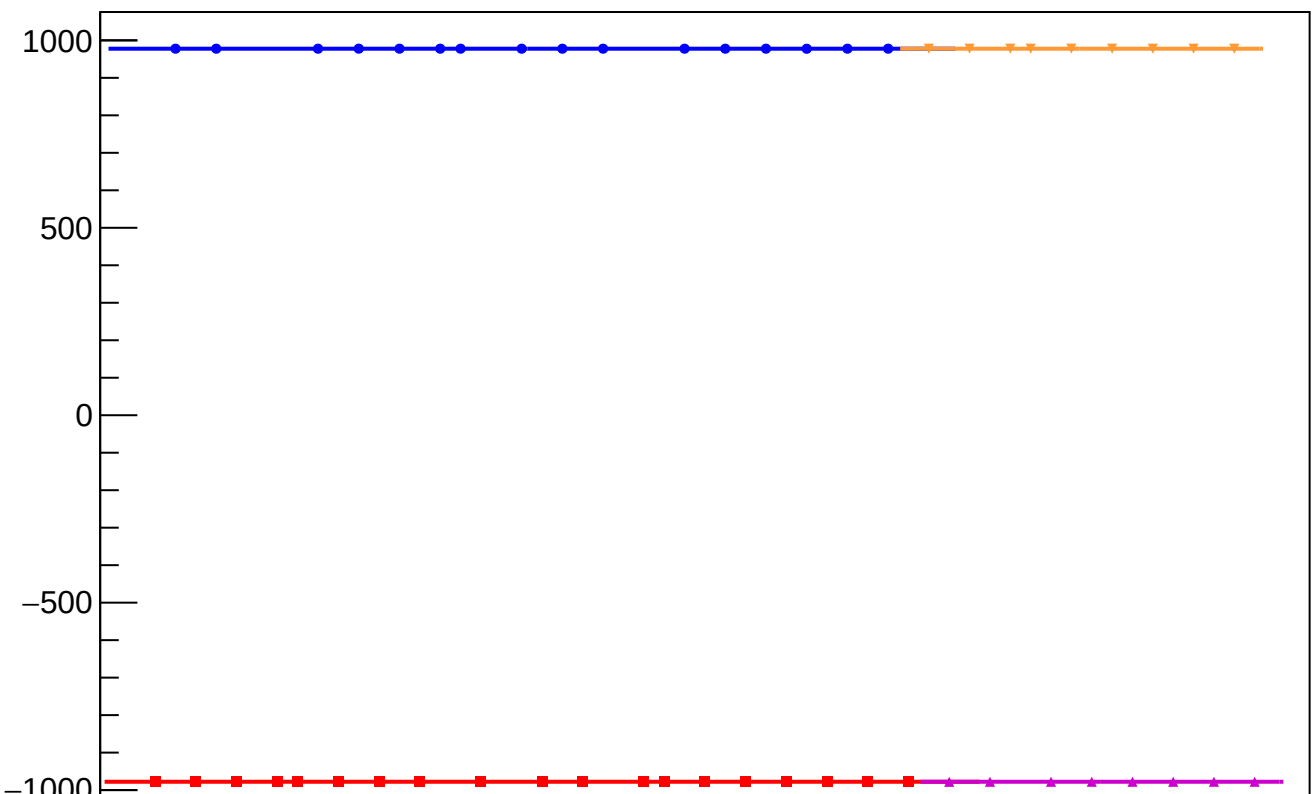
Right: -11.159+/-0.000 χ^2/NDF: 87451027463926 38

In: 7.328+/-0.000 χ^2/NDF:8535508903168202348

Out: -14.832+/-0.000 χ^2/NDF:870170681582704 8

All: -3.861+/-0.000 χ^2/NDF: 172408554177 8

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: 178222687781691472632796623672.0/18

Left In: -977.748+/-0.000 χ^2/NDF:84099846731081770708656508108 8.0/7

Left: 4.688+/-0.000 χ^2/NDF: 139668166737181291

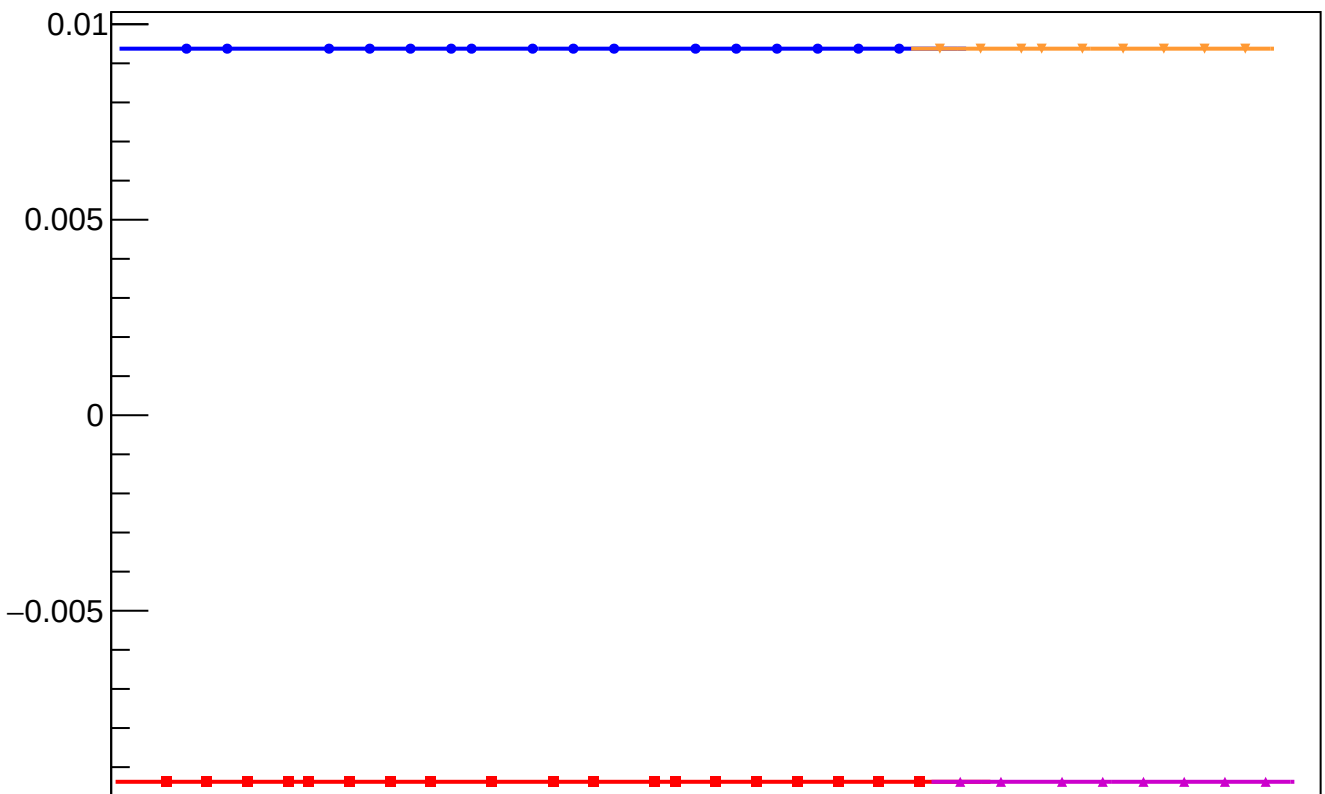
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 9.325+/-0.000 χ^2/NDF:140326969314029149

Out: -18.937+/-0.000 χ^2/NDF:1430590967238793

All: -4.944+/-0.000 χ^2/NDF: 2834452677355

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/8

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/7

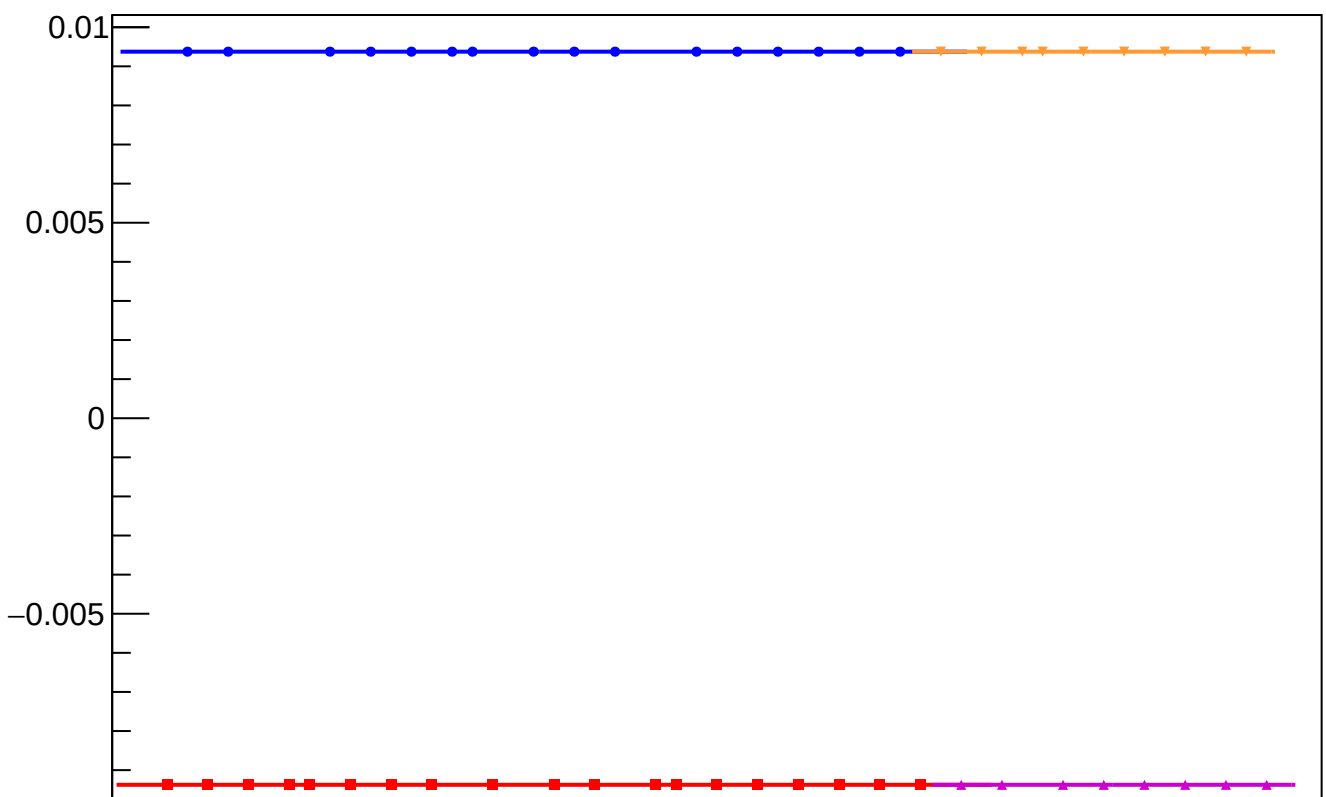
Left: 0.000+/-0.000 χ^2/NDF: 128405255390143305

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.000+/-0.000 χ^2/NDF:129011702784400161

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: -0.000+/-0.000 χ^2/NDF: 2605890335160



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:0.0/7

Left: 0.000+/-0.000 χ^2/NDF: 128405255390143305

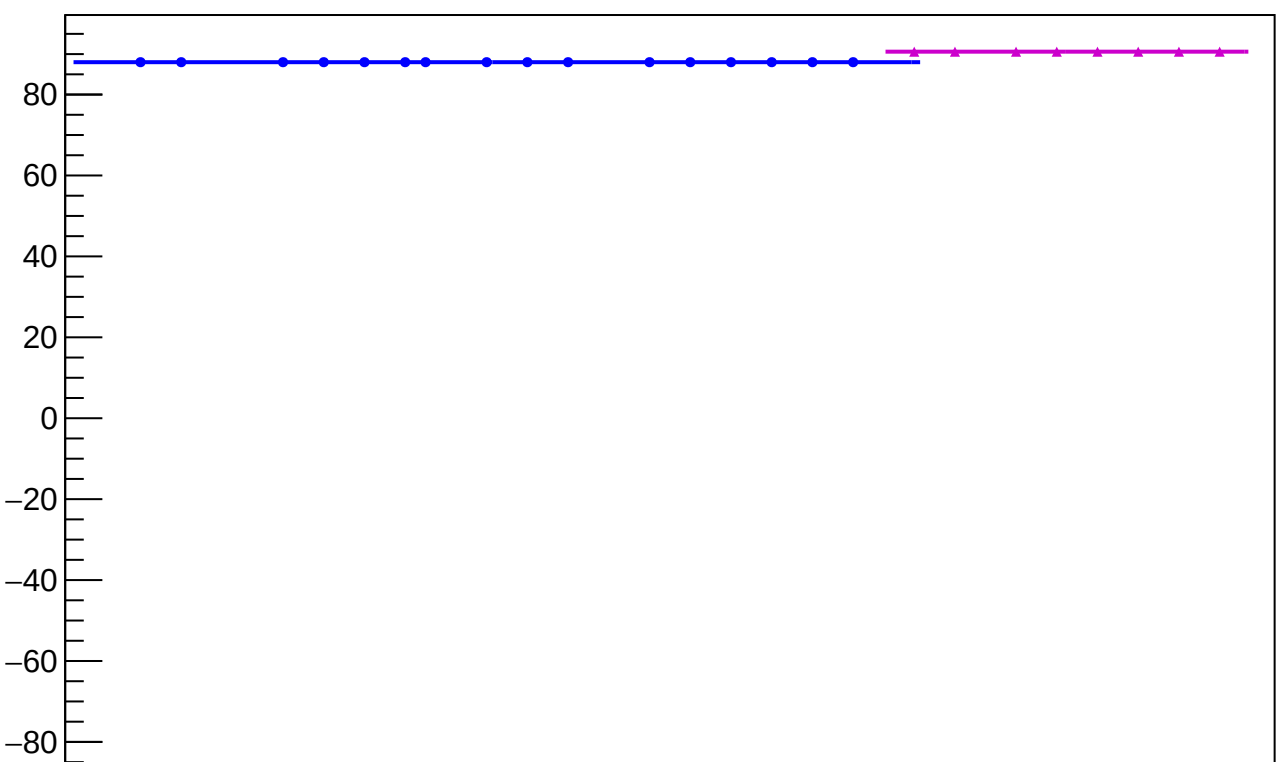
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.000+/-0.000 χ^2/NDF:129011702784400161

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: -0.000+/-0.000 χ^2/NDF: 2605890335160

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:403089.0/7

Left: -0.434+/-0.000 χ^2/NDF: 11991952526969159

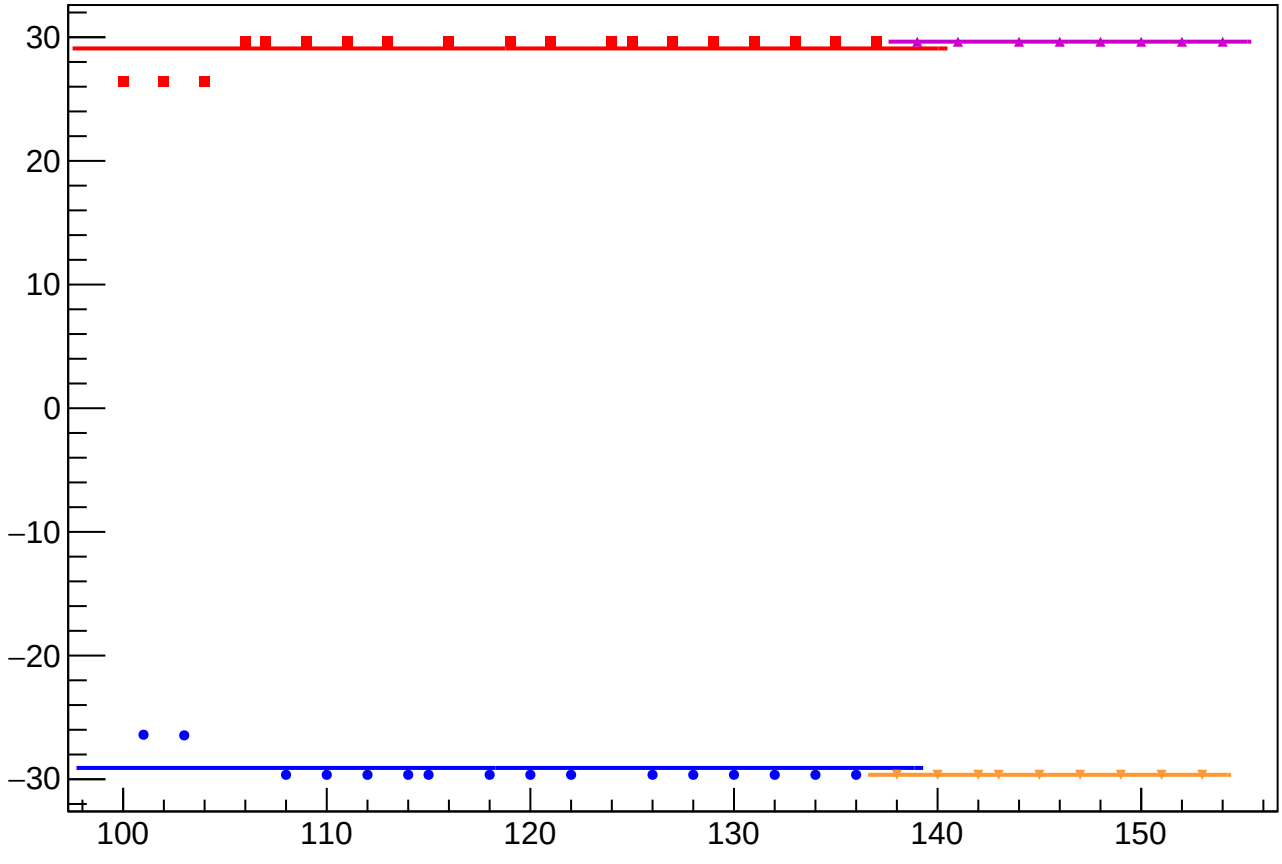
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.288+/-0.000 χ^2/NDF:247801164194550209

Out: -89.276+/-0.000 χ^2/NDF:2521064884366083

All: -0.868+/-0.000 χ^2/NDF: 2363752152262

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: 1125238156749692849797805899776000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:24524.1/7

Left: -0.142+/-0.000 χ^2/NDF: 12835631765143694

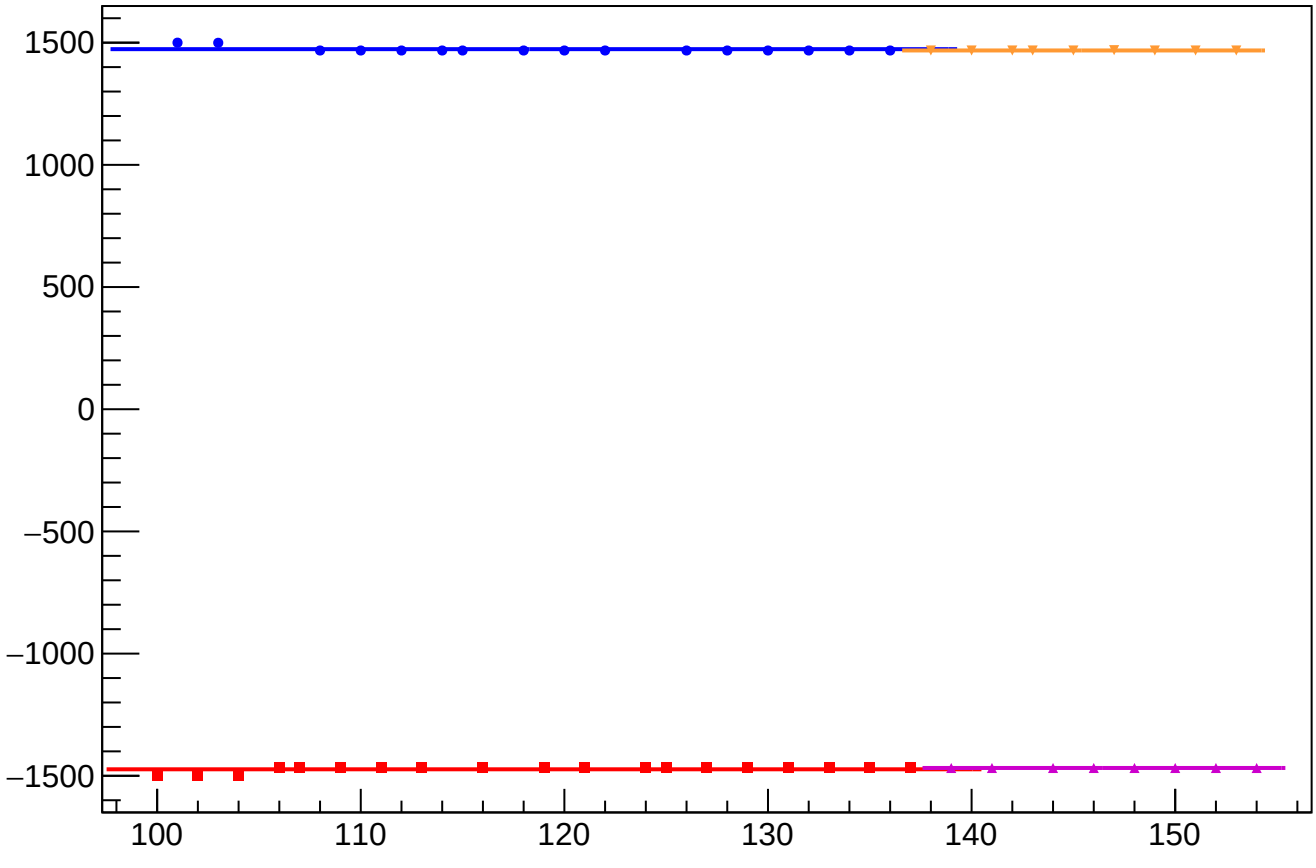
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: -0.002+/-0.000 χ^2/NDF:126667238448924677

Out: 0.295+/-0.000 χ^2/NDF:129166786300960238

All: 0.148+/-0.000 χ^2/NDF: 2558405793958 4

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.140+/-0.000 χ^2/NDF:13028439164723760984316916950630 4.0/8

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: -1467.984+/-0.000 χ^2/NDF:54774140284438614081202552832.0/7

Left: 7.112+/-0.000 χ^2/NDF: 3148685032562578 41

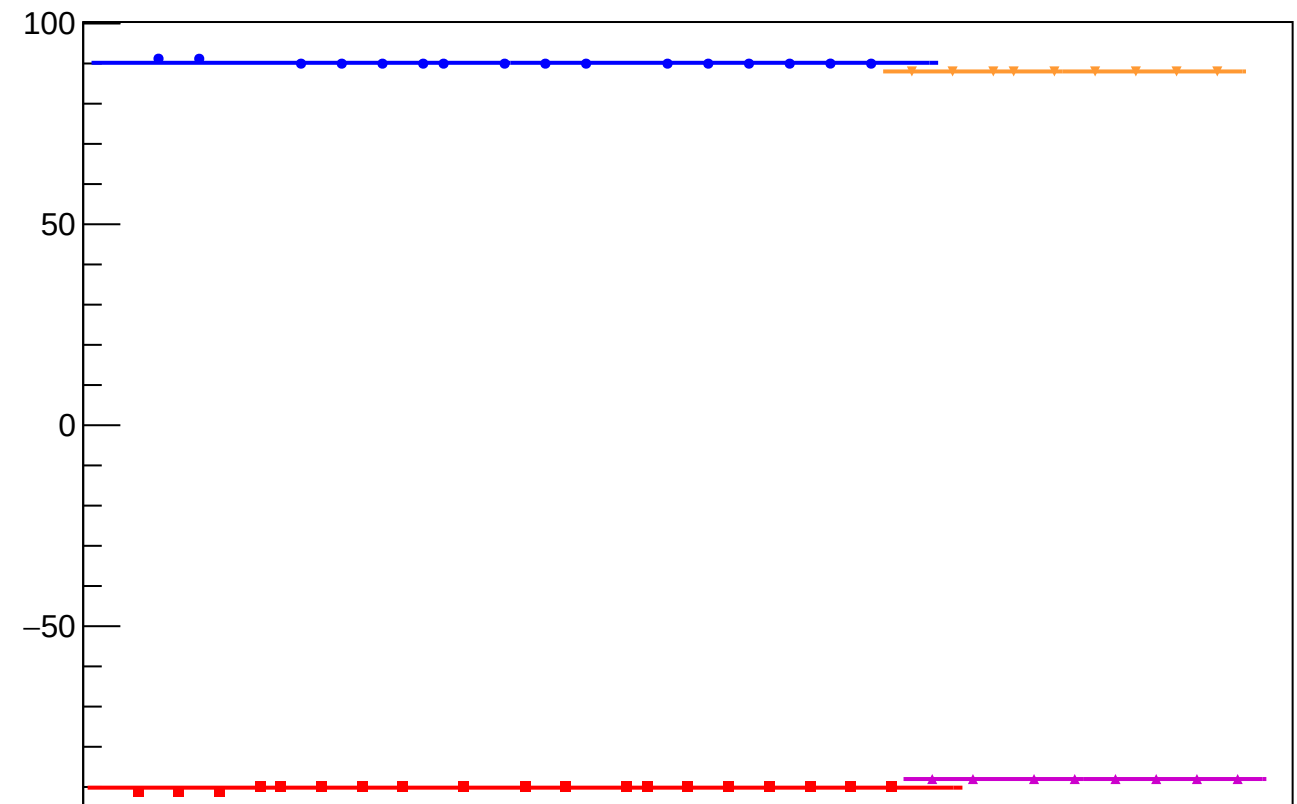
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: 16.768+/-0.000 χ^2/NDF:31751529477500477 8

Out: -31.118+/-0.000 χ^2/NDF:3237137258486467

All: -7.410+/-0.000 χ^2/NDF: 641398976844 3

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:369767.5/7

Left: 0.422+/-0.000 χ^2/NDF: 113190482992649118

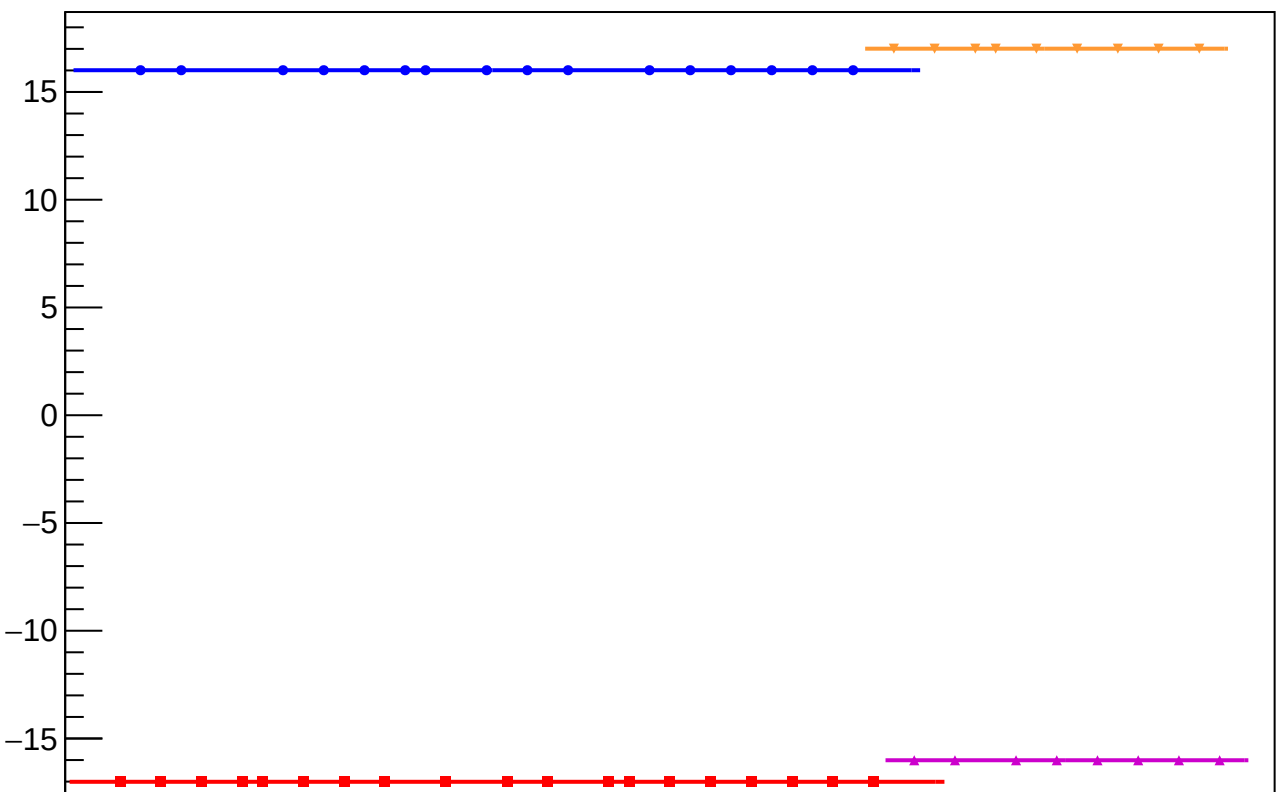
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 1.926+/-0.000 χ^2/NDF:1165241783980089288

Out: -2.800+/-0.000 χ^2/NDF:11878722971101111

All: -0.460+/-0.000 χ^2/NDF: 2354769366666

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:44428.6/7

Left: 0.208+/-0.000 χ^2/NDF: 369470863852664129

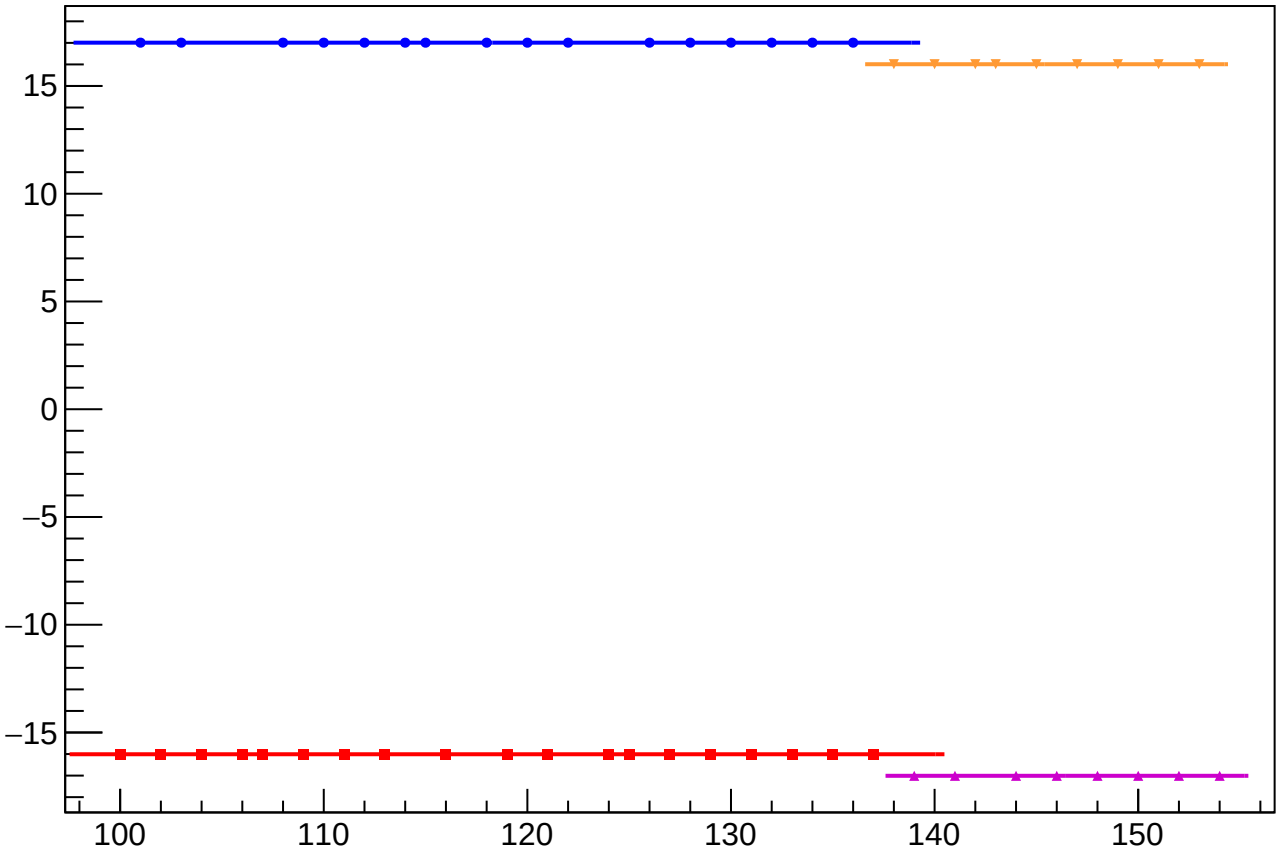
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 0.138+/-0.000 χ^2/NDF:3567432085415548406

Out: -0.338+/-0.000 χ^2/NDF:39302289930087042

All: -0.097+/-0.000 χ^2/NDF: 7499219051076

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:3433.1/7

Left: -0.523+/-0.000 χ^2/NDF: 39575558926467248

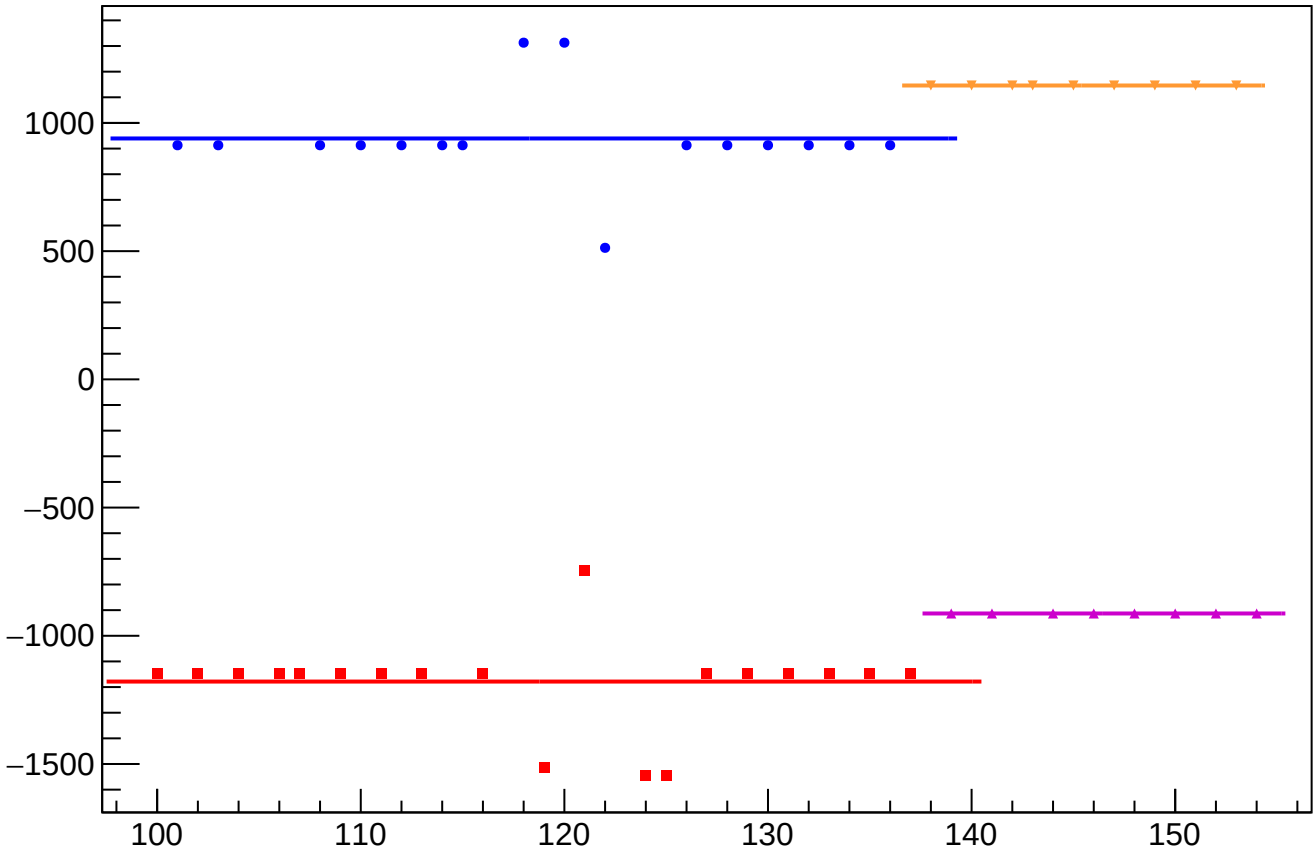
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -0.237+/-0.000 χ^2/NDF:41480251093044438

Out: -0.367+/-0.000 χ^2/NDF:38014967887874362

All: -0.303+/-0.000 χ^2/NDF: 7949644317968

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 121.441+/-0.000 χ^2/NDF: 1548440775978832

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:2362637310371118266540097536.0/8

In: 22.059+/-0.000 χ^2/NDF:128034063307213318

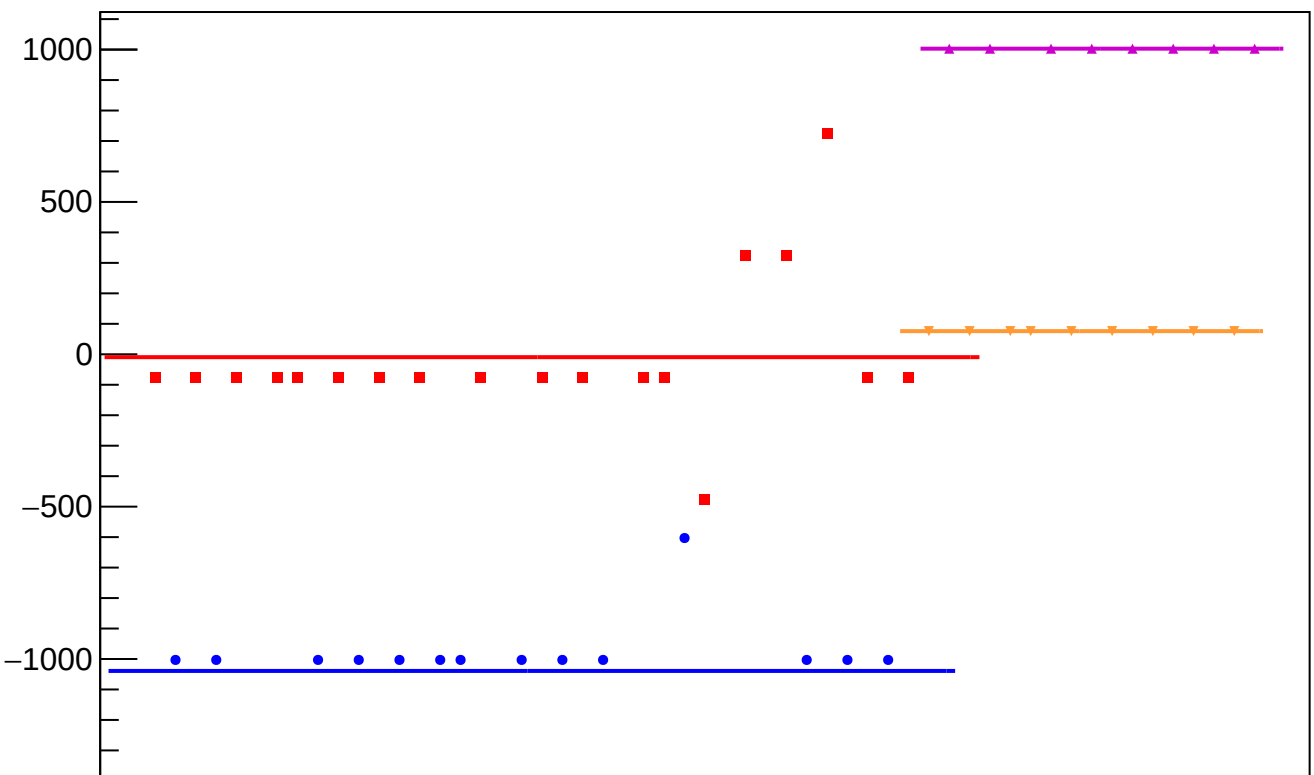
Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: -38.767+/-0.000 χ^2/NDF:2043607549904473

Left In: -912.993+/-0.000 χ^2/NDF:895463428391774027692533504.0/7

All: -8.651+/-0.000 χ^2/NDF: 3326690417622

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 537.279+/-0.000 χ^2/NDF: 3138484399512138

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.010+/-0.000 χ^2/NDF:2842920180082777870605221888.0/8

In: -27.821+/-0.000 χ^2/NDF:15532533713641663

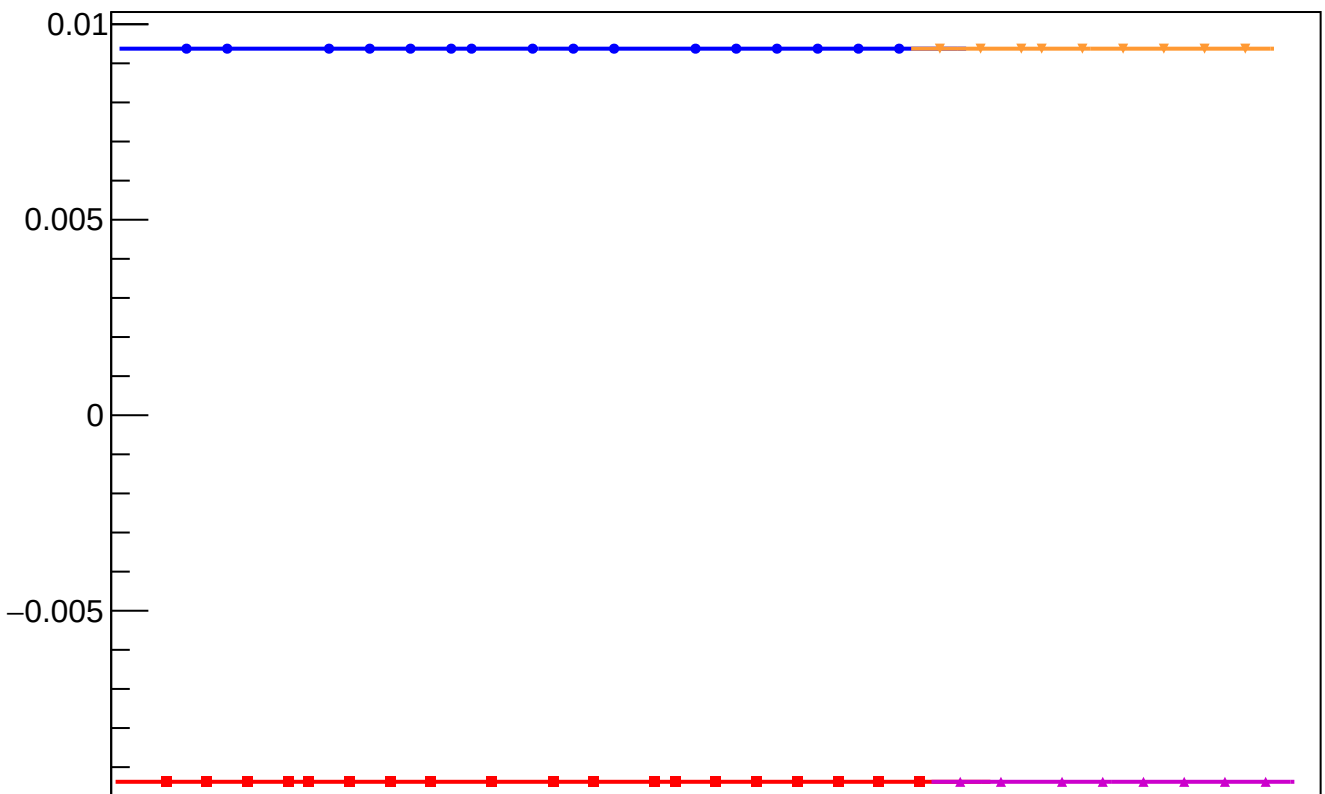
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Out: 32.463+/-0.000 χ^2/NDF:4878840850234862

Left In: 1002.989+/-0.000 χ^2/NDF:12857480800158452513190707200.0/7

All: 2.615+/-0.000 χ^2/NDF: 1604735353954

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/8

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/7

Left: 0.000+/-0.000 χ^2/NDF: 128405255390143305

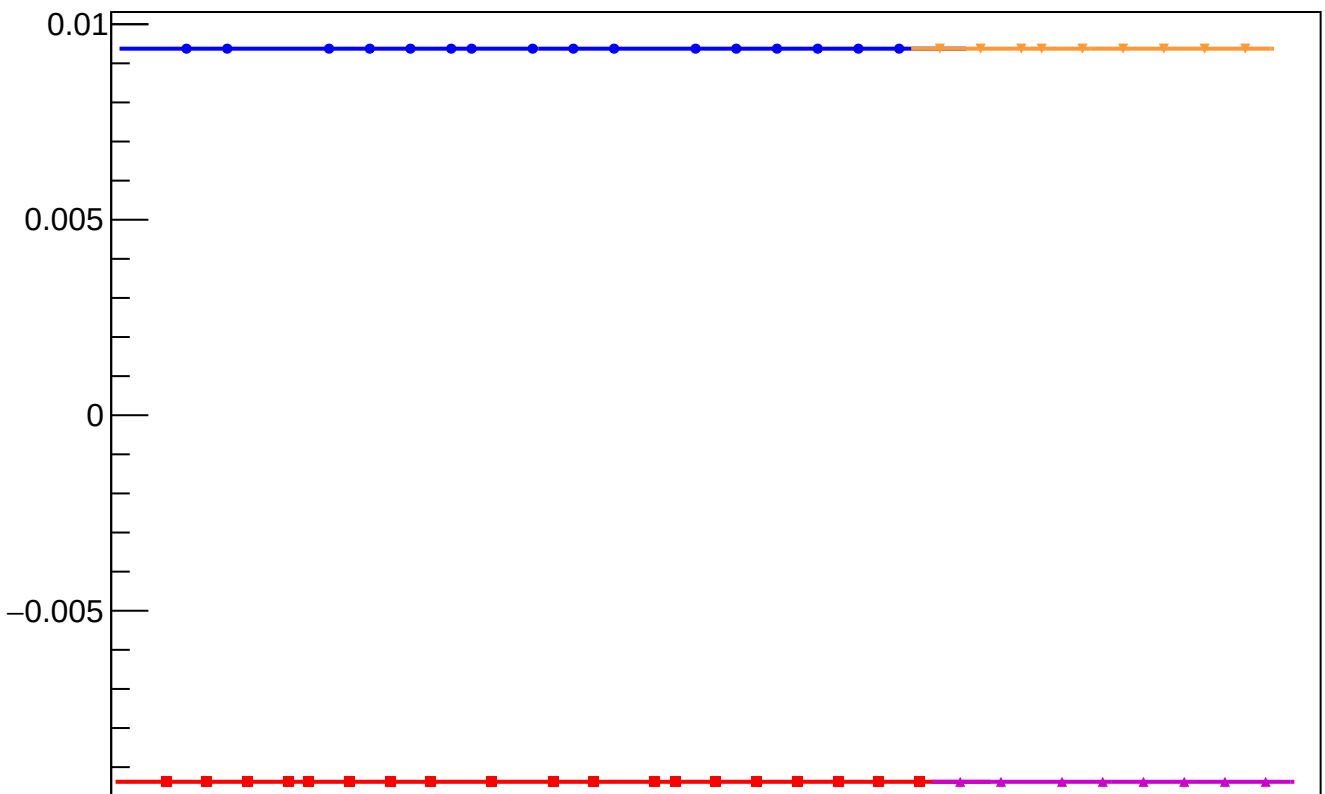
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.000+/-0.000 χ^2/NDF:129011702784400161

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: -0.000+/-0.000 χ^2/NDF: 2605890335160

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:0.0/7

Left: 0.000+/-0.000 χ^2/NDF: 128405255390143305

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.000+/-0.000 χ^2/NDF:129011702784400161

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: -0.000+/-0.000 χ^2/NDF: 2605890335160