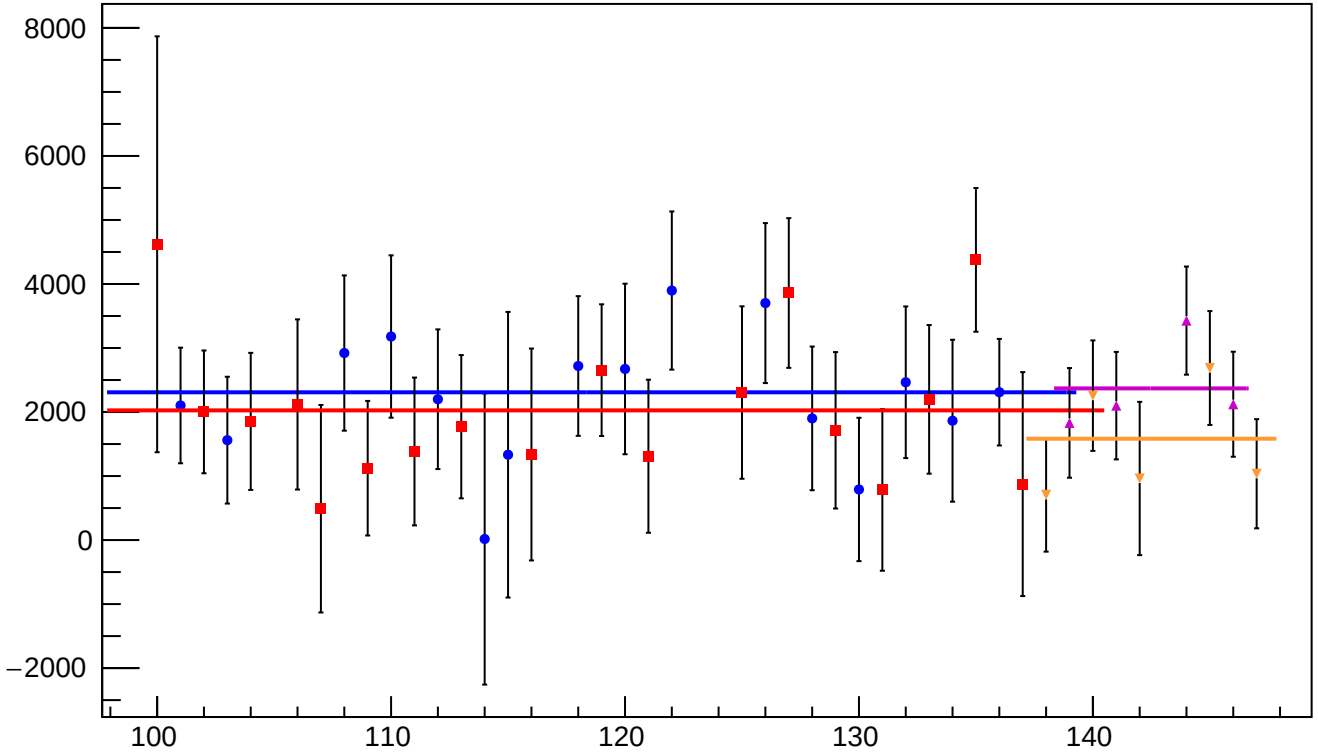
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1583.323+/-409.895 χ^2/NDF:3.8/4

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

Left In: 2369.112+/-419.961 χ^2/NDF:2.2/3

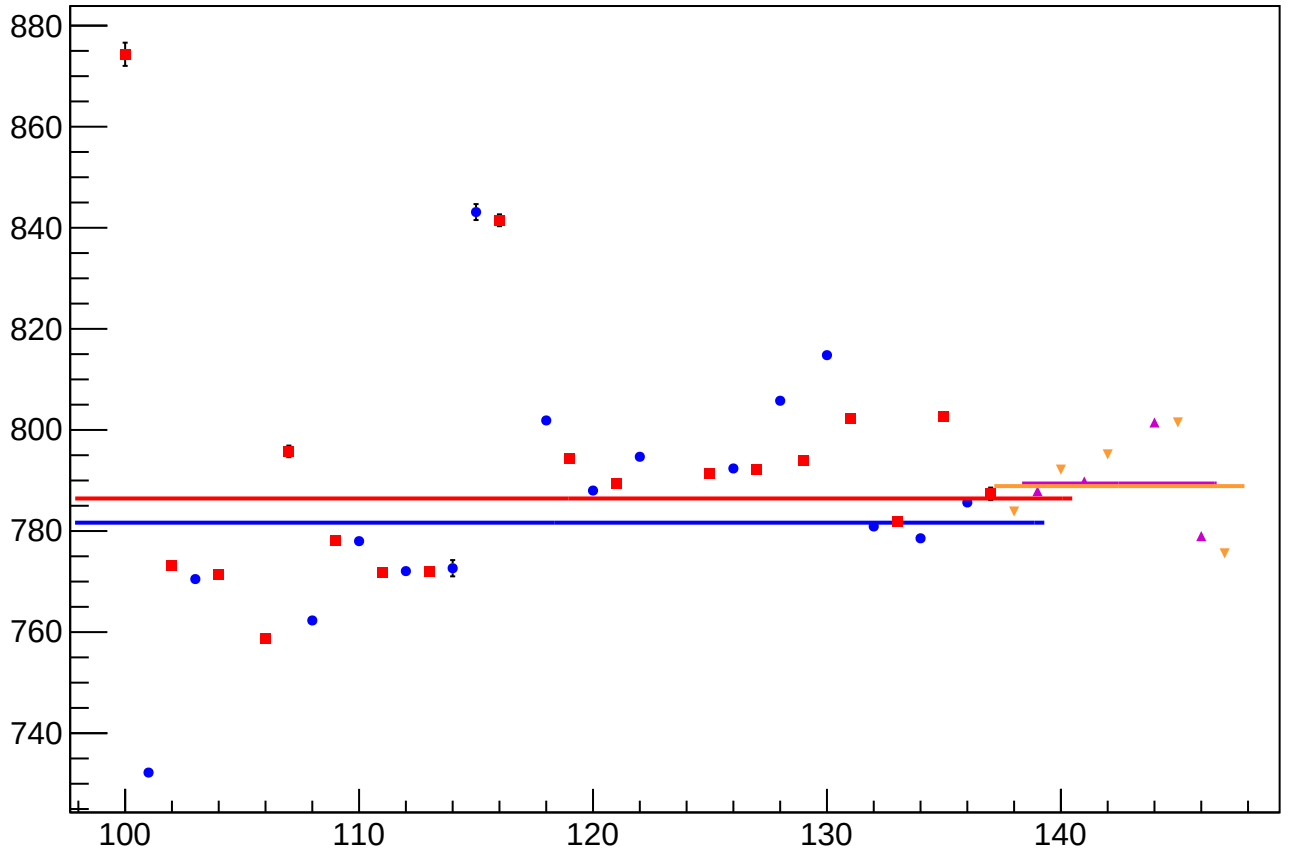
Left: 1966.688+/-293.334 χ^2/NDF: 7.8/8

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

In: 2327.876+/-238.873 χ^2/NDF:10.0/19

Out: 1878.221+/-236.630 χ^2/NDF:16.5/22

All: 2100.928+/-168.110 χ^2/NDF: 28.3/42



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

Left Out: 788.891+/-0.290 χ^2/NDF:1036.6/4

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

Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

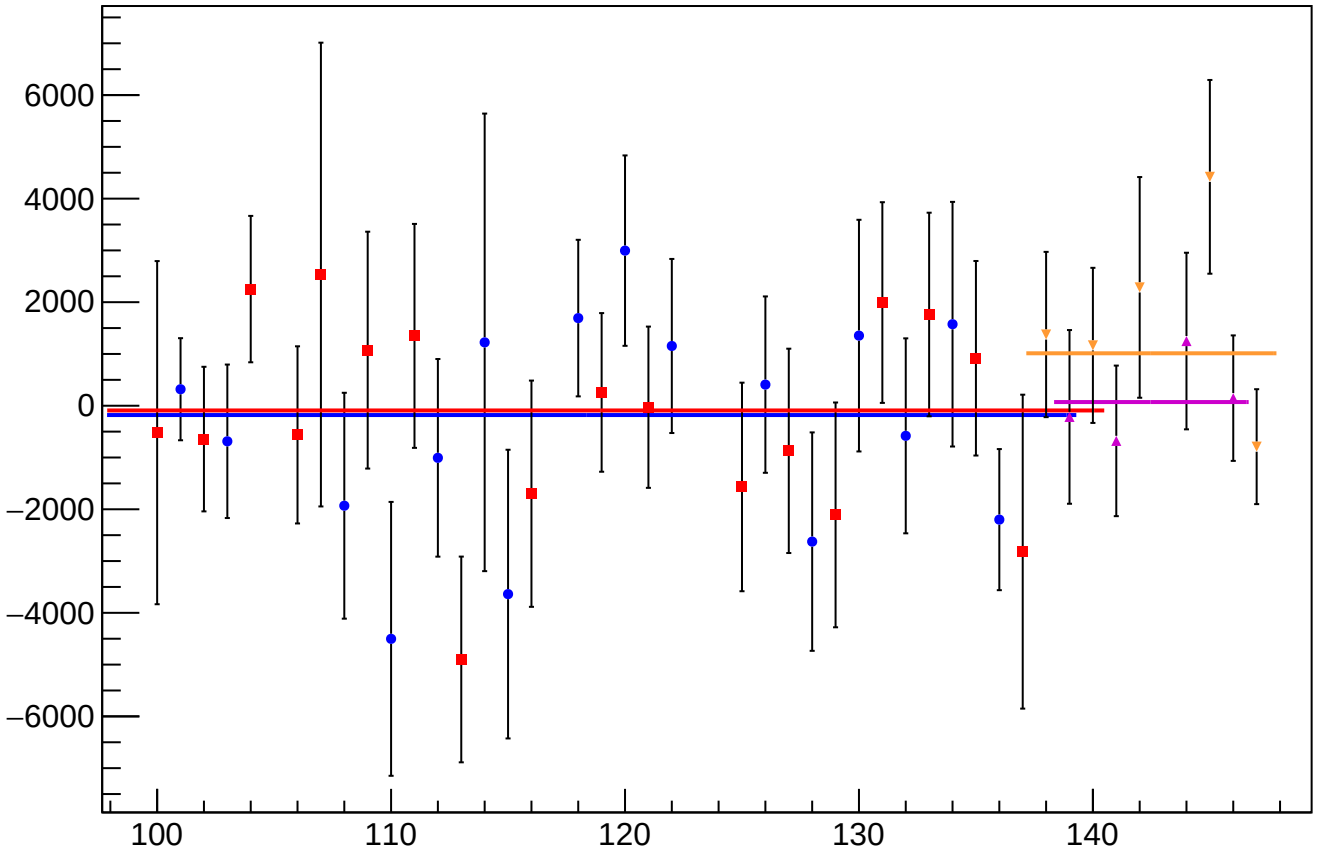
Left: 789.140+/-0.207 χ^2/NDF: 1775.3/8

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

In: 784.160+/-0.169 χ^2/NDF:13516.6/19

Out: 787.259+/-0.167 χ^2/NDF:8285.7/22

All: 785.724+/-0.119 χ^2/NDF: 21972.2/42



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

Left Out: 1012.813+/-681.048 χ^2/NDF:6.4/4

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

Left In: 71.035+/-734.604 χ^2/NDF:0.8/3

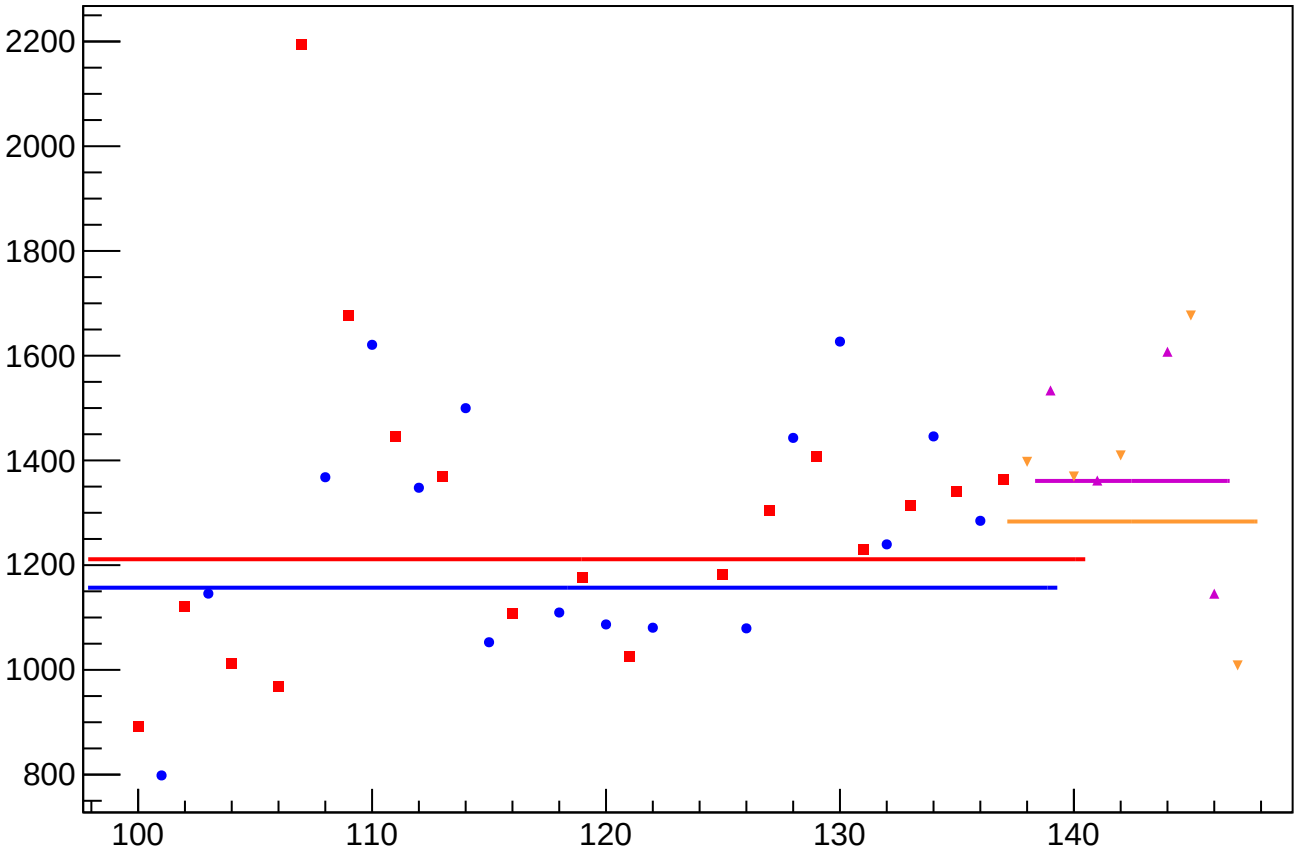
Left: 577.502+/-499.435 χ^2/NDF: 8.0/8

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

In: -113.495+/-377.956 χ^2/NDF:16.3/19

Out: 249.242+/-378.226 χ^2/NDF:23.4/22

All: 67.744+/-267.351 χ^2/NDF: 40.1/42



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

Left Out: 1283.352+/-0.482 χ^2/NDF:234850.5/4

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

Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

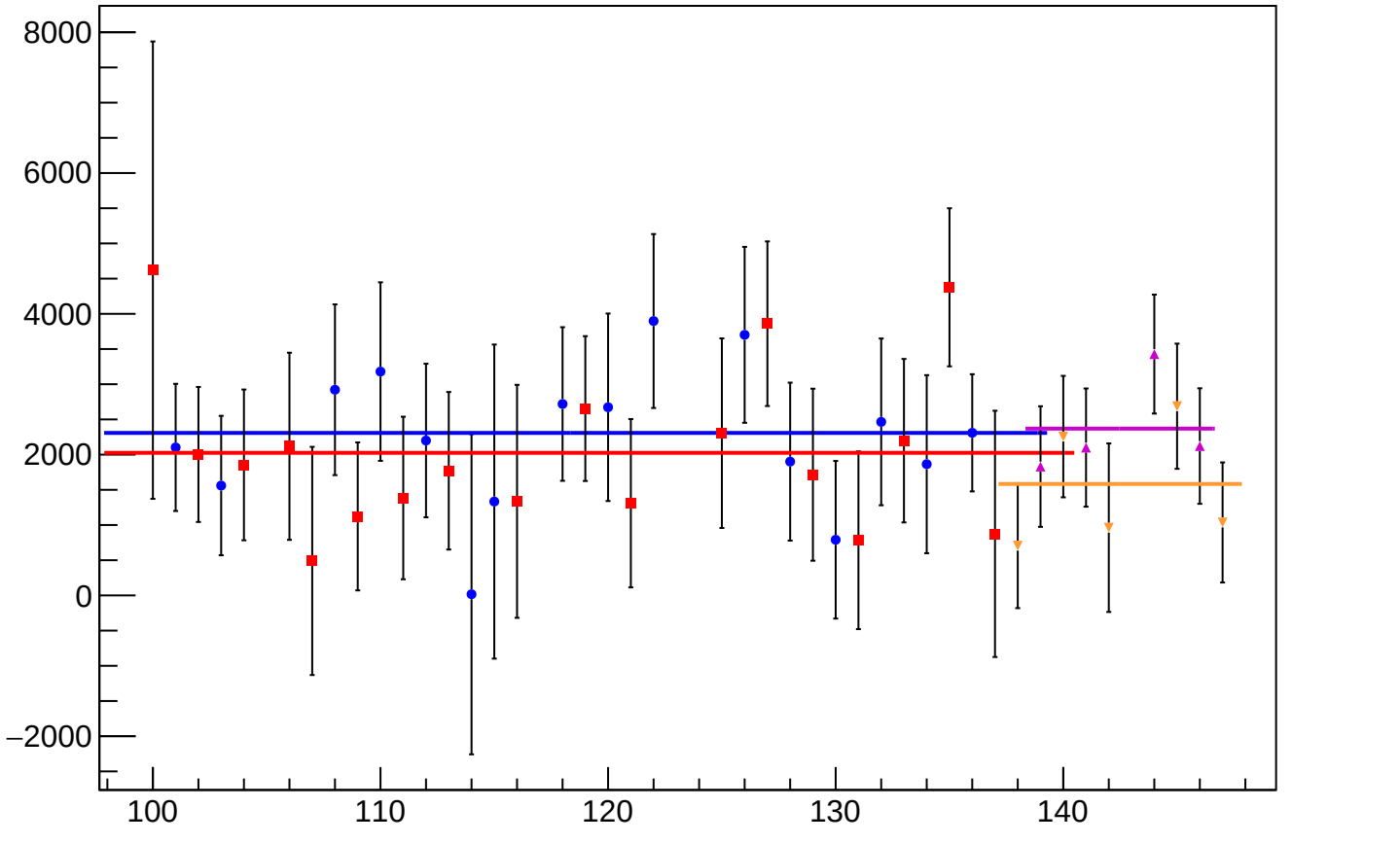
Left: 1319.164+/-0.353 χ^2/NDF: 373028.2/8

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

In: 1210.919+/-0.267 χ^2/NDF:808609.4/19

Out: 1233.498+/-0.267 χ^2/NDF:648062.0/22

All: 1222.200+/-0.189 χ^2/NDF: 1460237.7/42



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

Left Out: 1583.323+/-409.895 χ^2/NDF:3.8/4

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

Left In: 2369.112+/-419.961 χ^2/NDF:2.2/3

Left: 1966.688+/-293.334 χ^2/NDF: 7.8/8

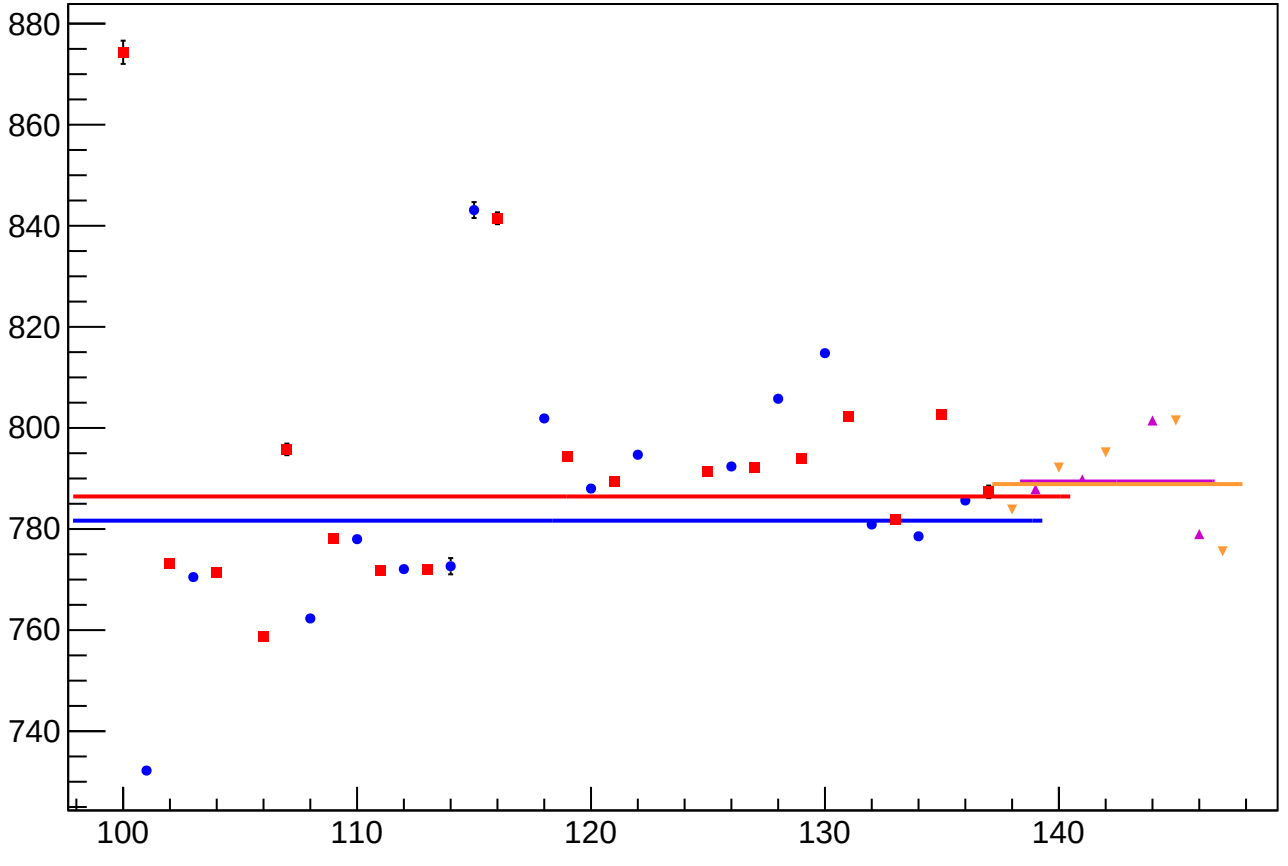
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2327.876+/-238.873 χ^2/NDF:10.0/19

Out: 1878.221+/-236.630 χ^2/NDF:16.5/22

All: 2100.928+/-168.110 χ^2/NDF: 28.3/42

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 788.891+/-0.290 χ^2/NDF:1036.6/4

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

Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

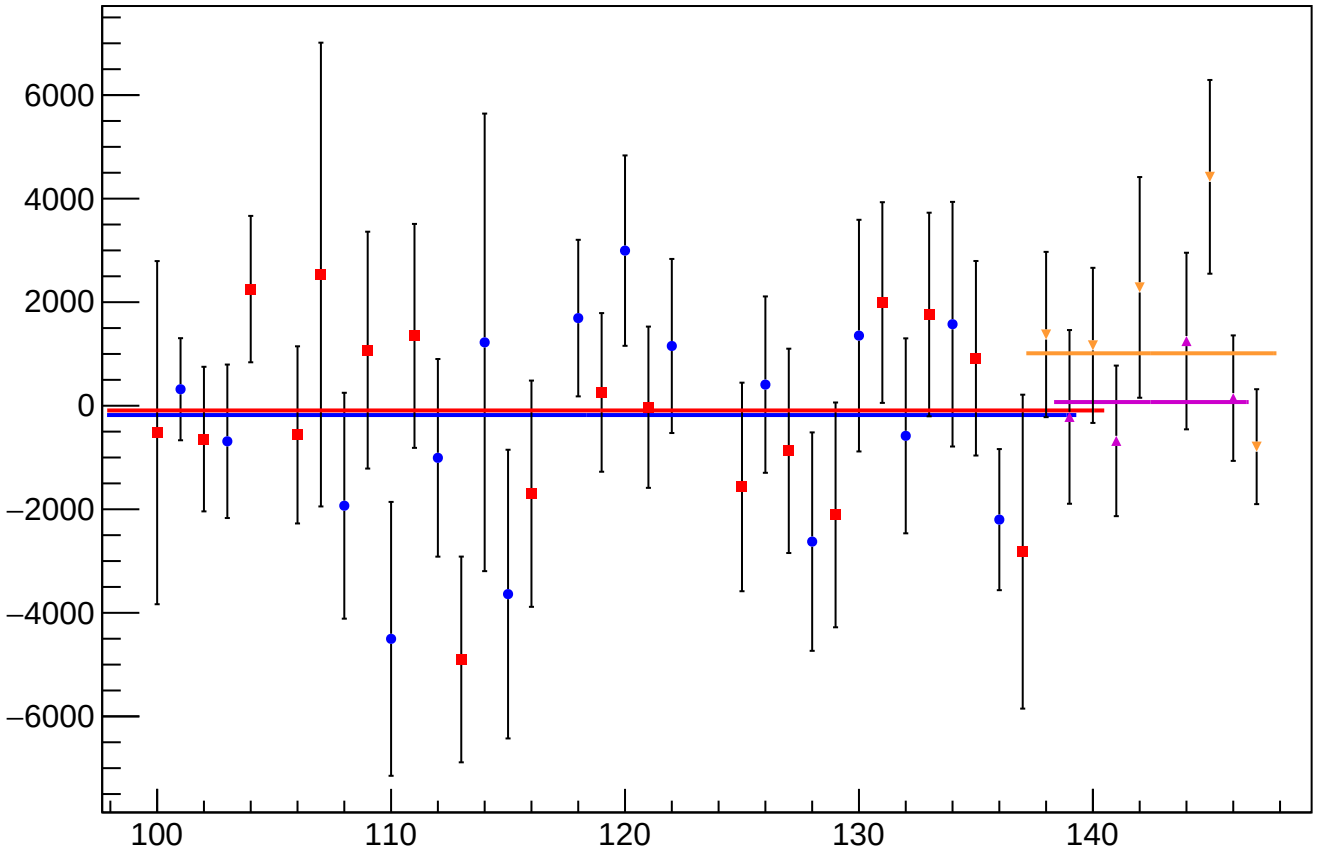
Left: 789.140+/-0.207 χ^2/NDF: 1775.3/8

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

In: 784.160+/-0.169 χ^2/NDF:13516.6/19

Out: 787.259+/-0.167 χ^2/NDF:8285.7/22

All: 785.724+/-0.119 χ^2/NDF: 21972.2/42



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

Left Out: 1012.813+/-681.048 χ^2/NDF:6.4/4

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

Left In: 71.035+/-734.604 χ^2/NDF:0.8/3

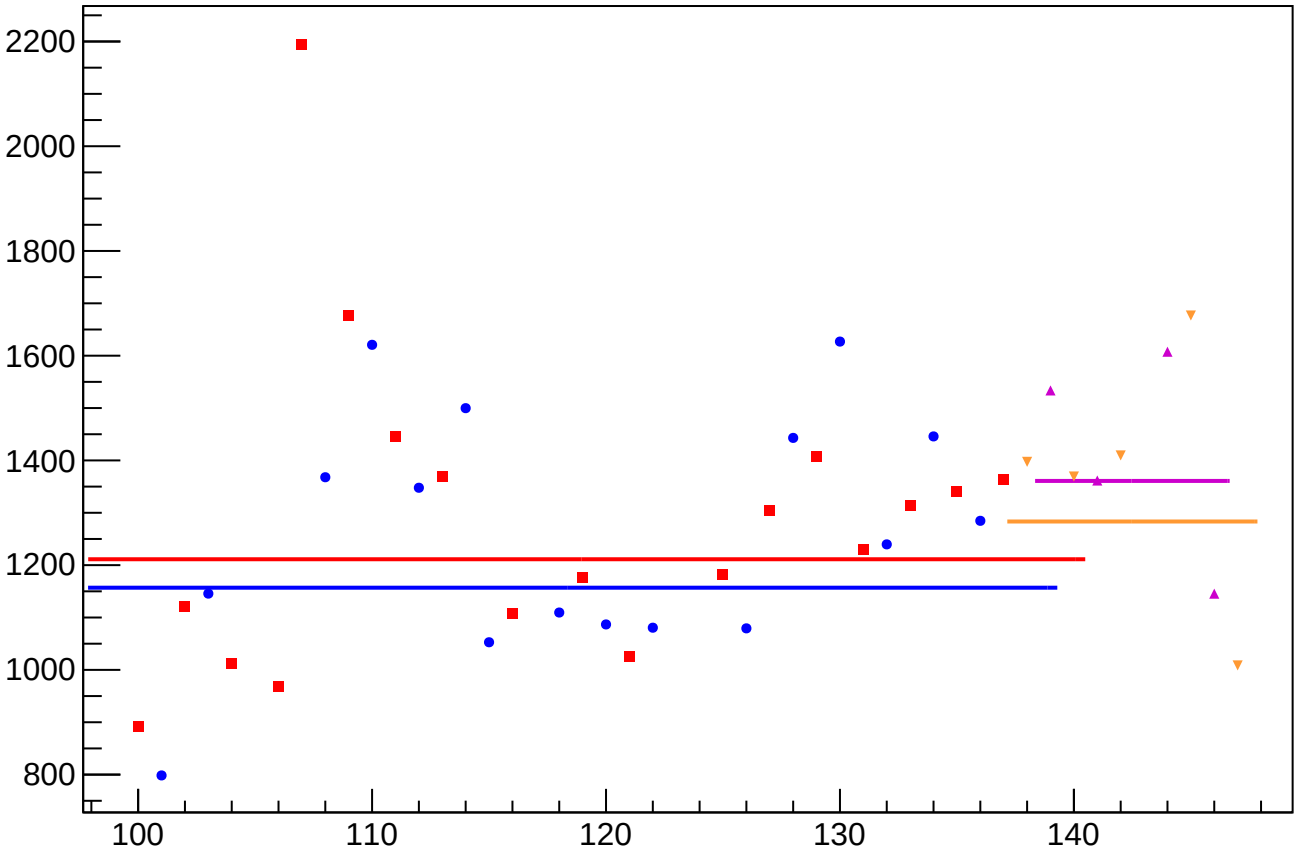
Left: 577.502+/-499.435 χ^2/NDF: 8.0/8

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

In: -113.495+/-377.956 χ^2/NDF:16.3/19

Out: 249.242+/-378.226 χ^2/NDF:23.4/22

All: 67.744+/-267.351 χ^2/NDF: 40.1/42



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

Left Out: 1283.352+/-0.482 χ^2/NDF:234850.5/4

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

Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

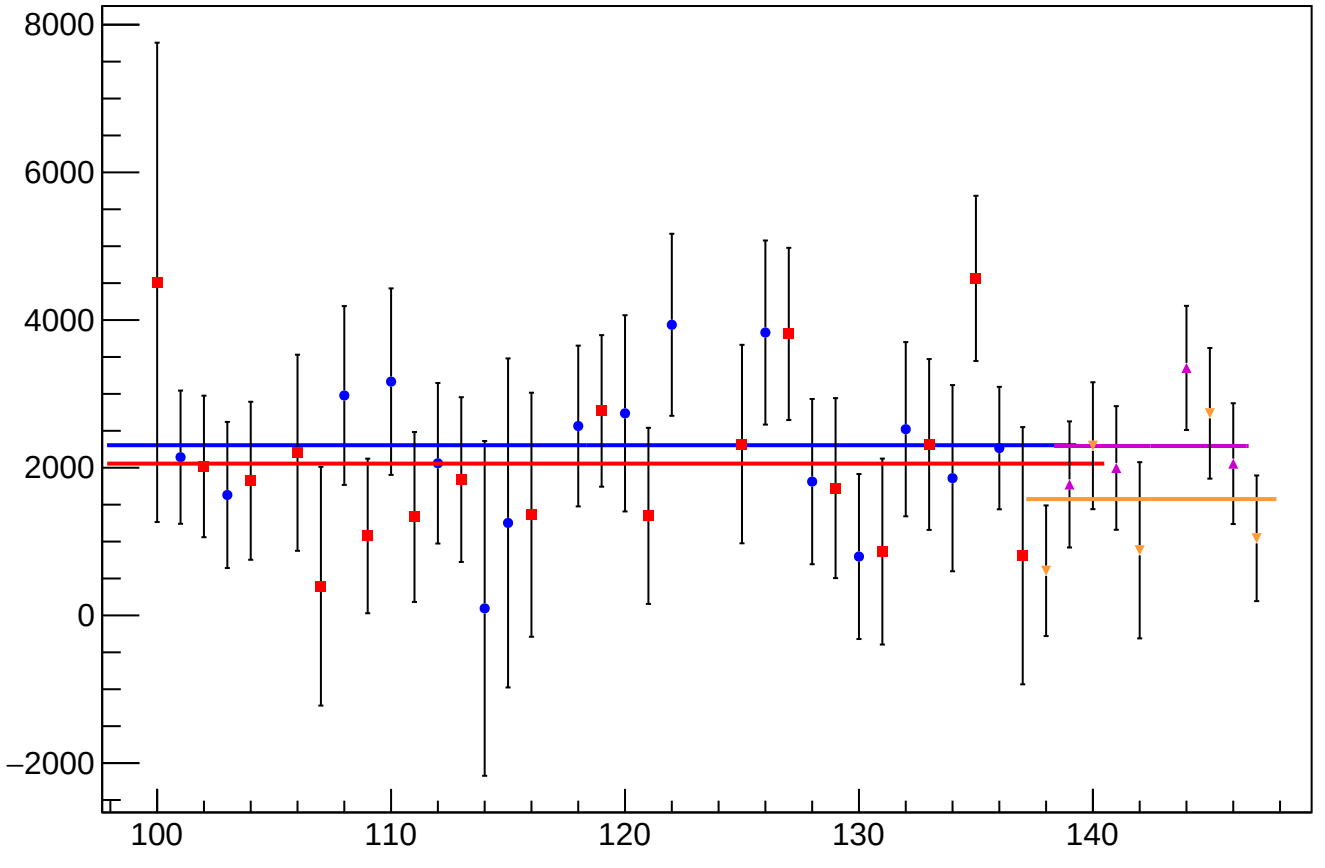
Left: 1319.164+/-0.353 χ^2/NDF: 373028.2/8

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

In: 1210.919+/-0.267 χ^2/NDF:808609.4/19

Out: 1233.498+/-0.267 χ^2/NDF:648062.0/22

All: 1222.200+/-0.189 χ^2/NDF: 1460237.7/42



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

Left Out: 1575.596+/-408.511 χ^2/NDF:4.4/4

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

Left In: 2294.202+/-418.626 χ^2/NDF:2.2/3

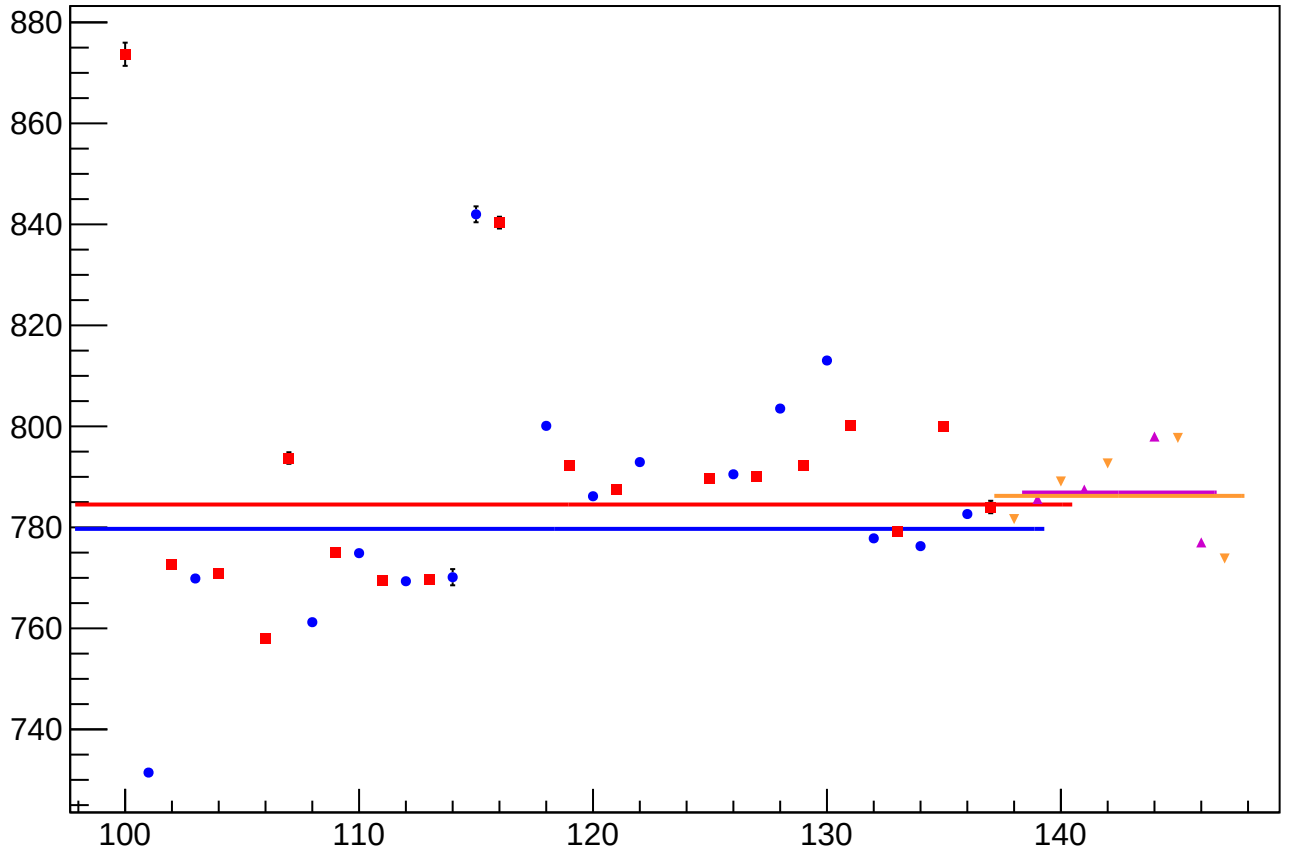
Left: 1926.112+/-292.371 χ^2/NDF: 8.0/8

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

In: 2301.403+/-238.222 χ^2/NDF:10.2/19

Out: 1895.474+/-235.978 χ^2/NDF:18.2/22

All: 2096.518+/-167.650 χ^2/NDF: 29.9/42



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

Left Out: 786.237+/-0.289 χ^2/NDF:895.3/4

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

Left In: 786.900+/-0.296 χ^2/NDF:644.6/3

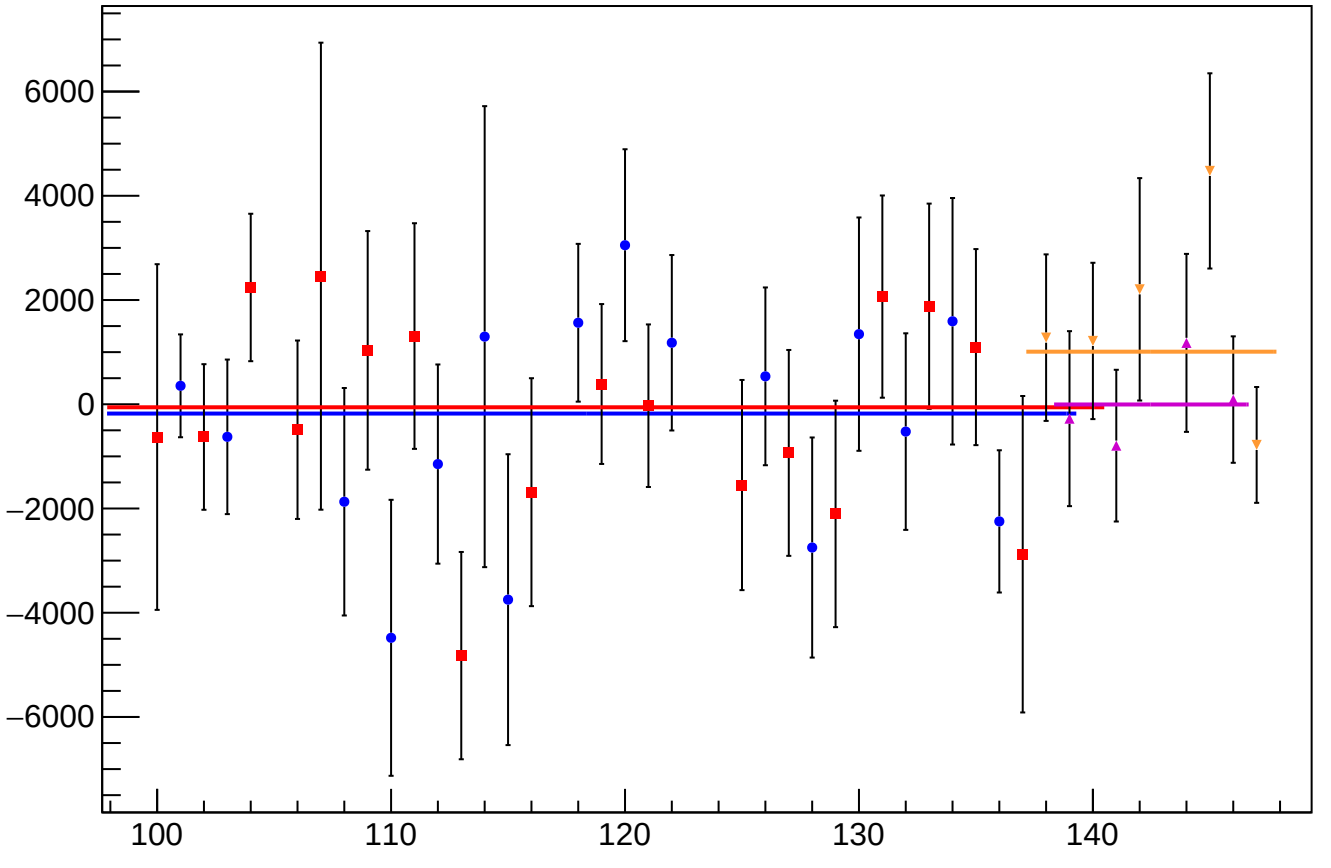
Left: 786.560+/-0.207 χ^2/NDF: 1542.5/8

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

In: 782.033+/-0.168 χ^2/NDF:13104.6/19

Out: 785.096+/-0.167 χ^2/NDF:8078.7/22

All: 783.579+/-0.119 χ^2/NDF: 21350.3/42



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

Left Out: 1008.798+/-681.844 χ^2/NDF:6.4/4

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

Left In: -4.239+/-735.349 χ^2/NDF:0.8/3

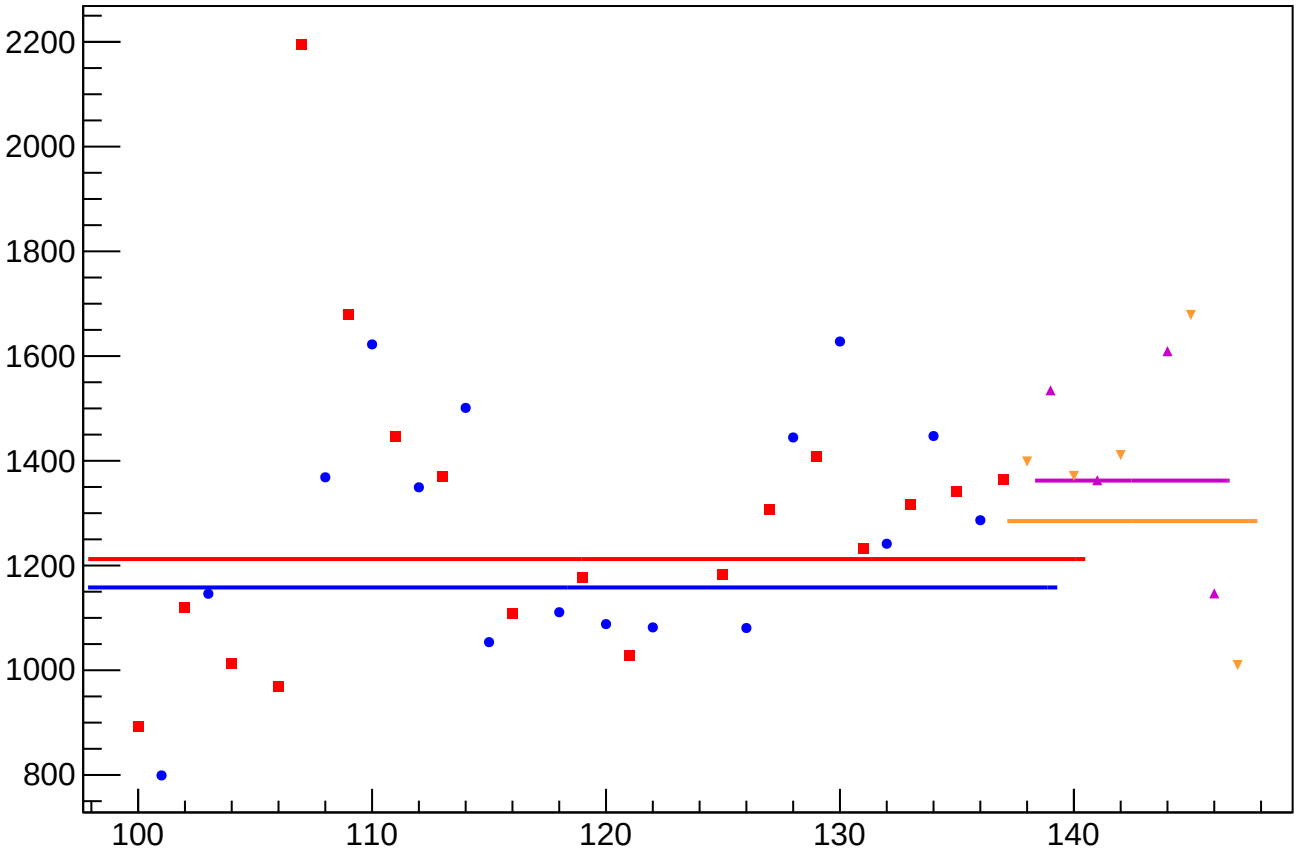
Left: 540.471+/-499.983 χ^2/NDF: 8.2/8

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

In: -132.339+/-378.339 χ^2/NDF:16.5/19

Out: 270.871+/-378.595 χ^2/NDF:23.3/22

All: 69.130+/-267.617 χ^2/NDF: 40.4/42



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

Left Out: 1284.896+/-0.482 χ^2/NDF:234508.2/4

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

Left In: 1362.239+/-0.520 χ^2/NDF:126044.5/3

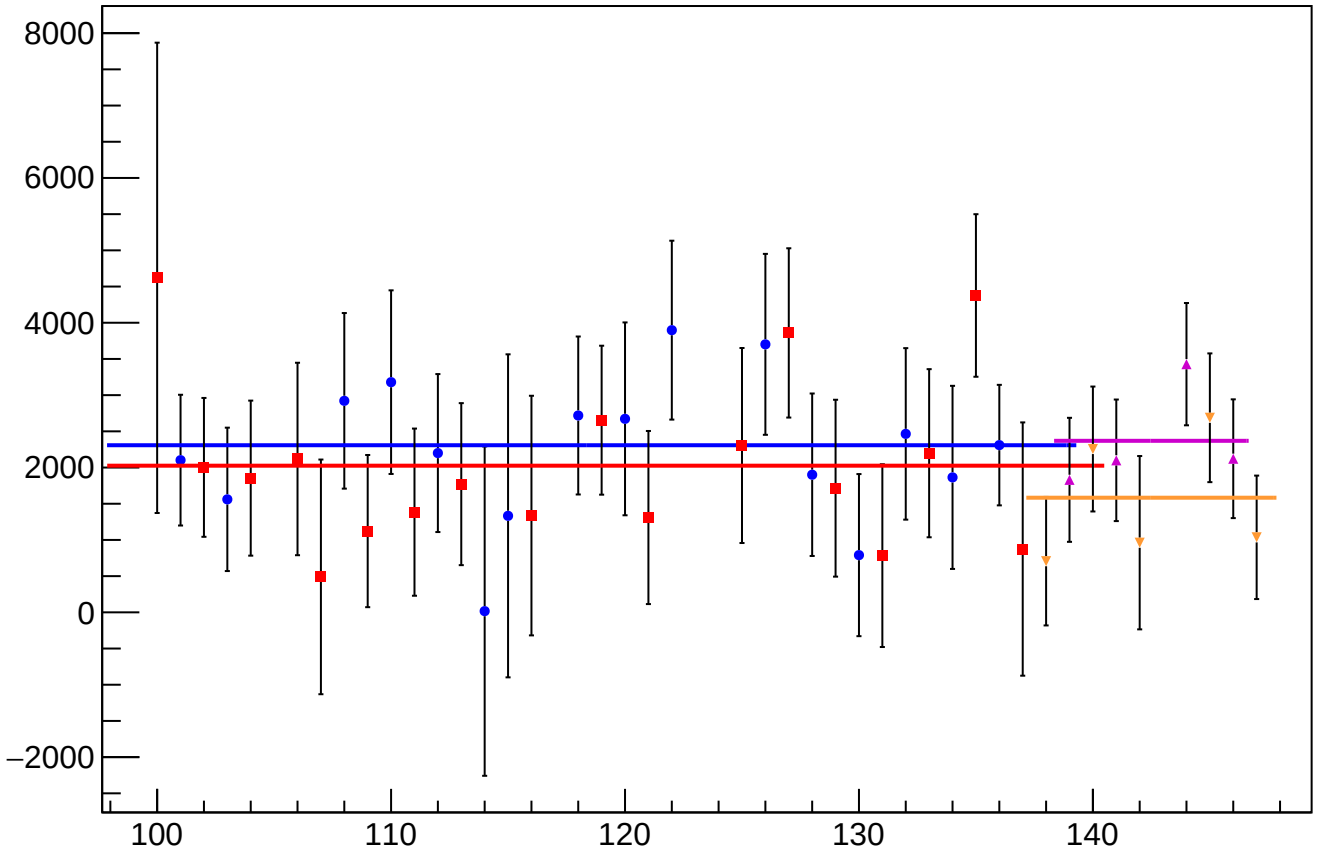
Left: 1320.652+/-0.354 χ^2/NDF: 372449.5/8

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

In: 1212.163+/-0.268 χ^2/NDF:808484.3/19

Out: 1234.714+/-0.268 χ^2/NDF:648108.1/22

All: 1223.431+/-0.189 χ^2/NDF: 1460142.7/42



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

Left Out: 1583.323+/-409.895 χ^2/NDF:3.8/4

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

Left In: 2369.112+/-419.961 χ^2/NDF:2.2/3

Left: 1966.688+/-293.334 χ^2/NDF: 7.8/8

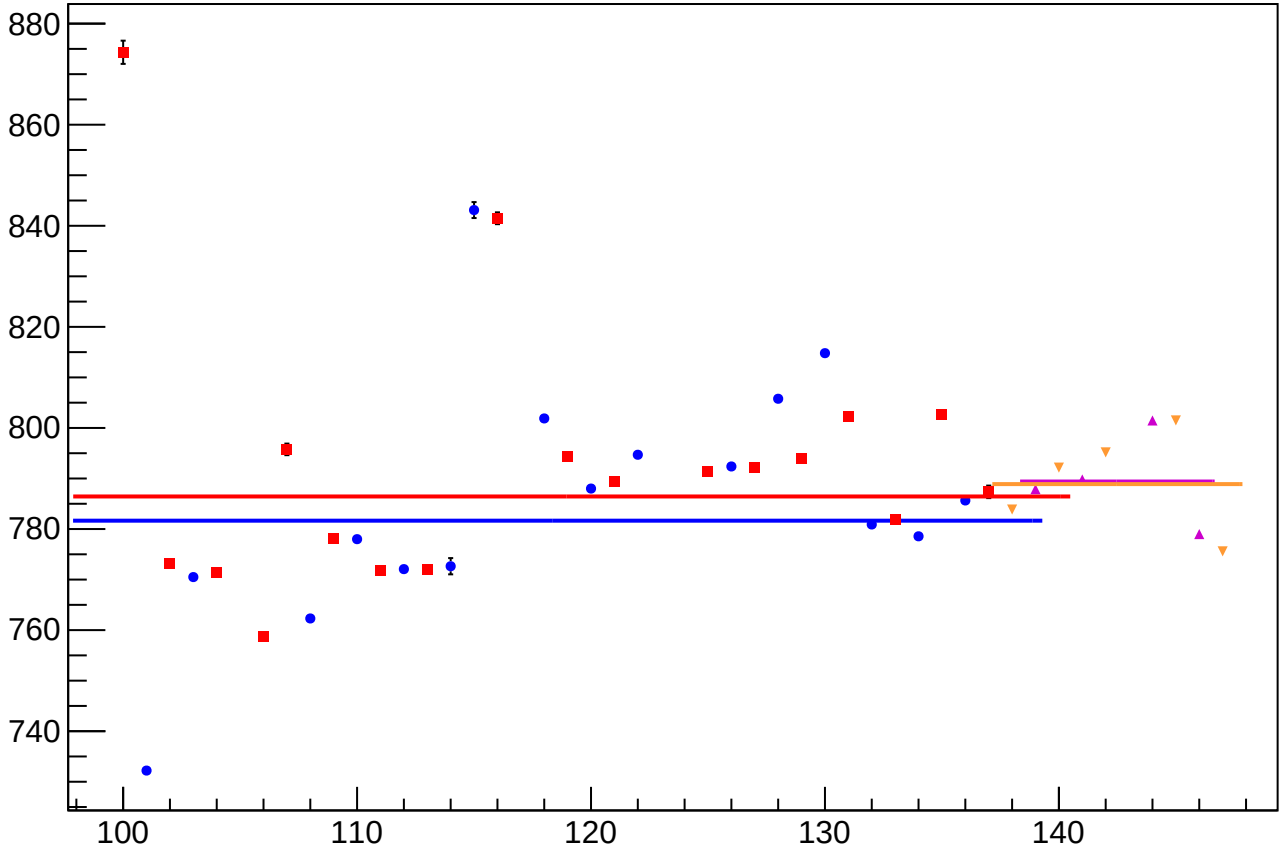
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2327.876+/-238.873 χ^2/NDF:10.0/19

Out: 1878.221+/-236.630 χ^2/NDF:16.5/22

All: 2100.928+/-168.110 χ^2/NDF: 28.3/42

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 788.891+/-0.290 χ^2/NDF:1036.6/4

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

Left In: 789.401+/-0.297 χ^2/NDF:737.2/3

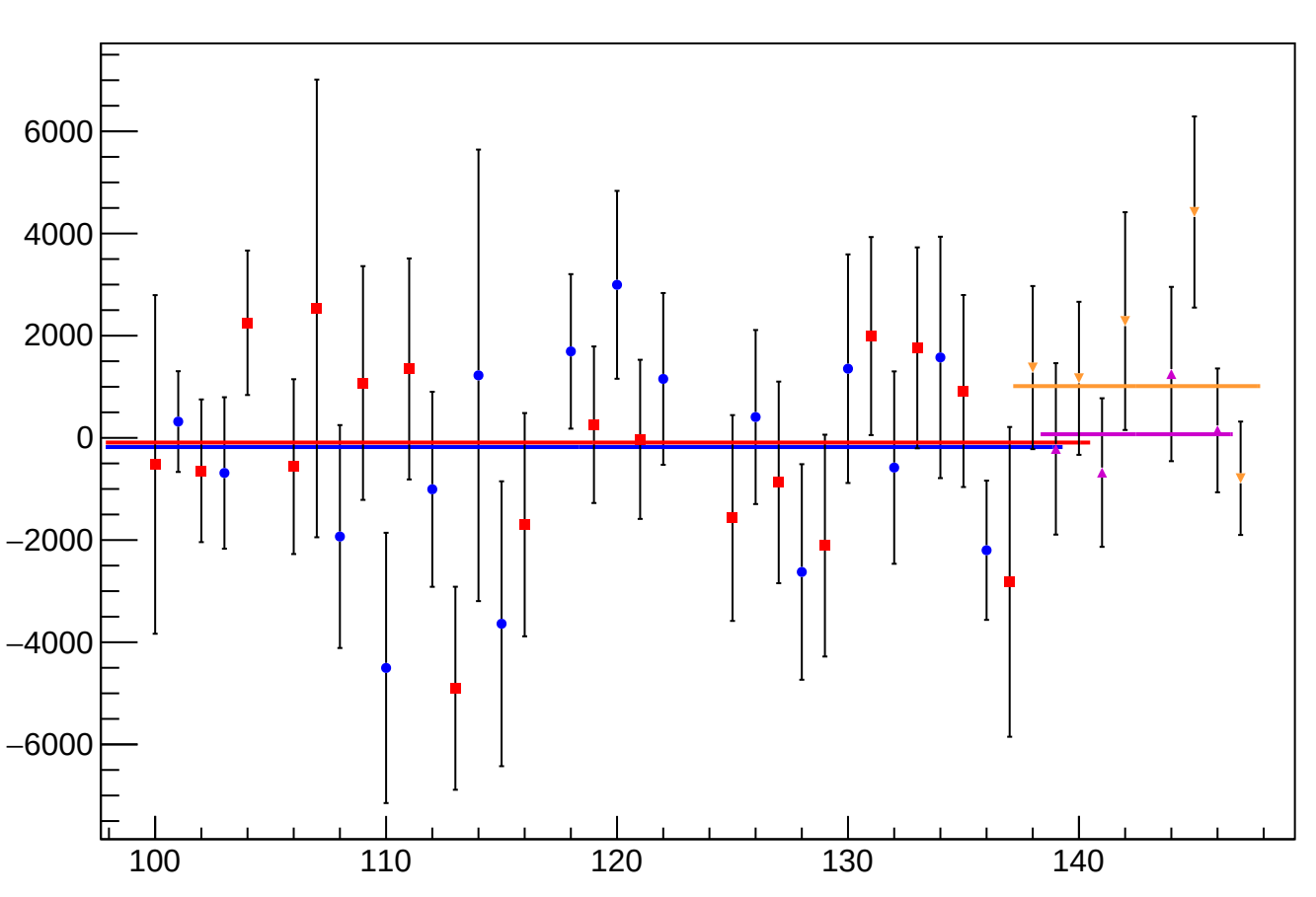
Left: 789.140+/-0.207 χ^2/NDF: 1775.3/8

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

In: 784.160+/-0.169 χ^2/NDF:13516.6/19

Out: 787.259+/-0.167 χ^2/NDF:8285.7/22

All: 785.724+/-0.119 χ^2/NDF: 21972.2/42



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

Left Out: 1012.813+/-681.048 χ^2/NDF:6.4/4

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

Left In: 71.035+/-734.604 χ^2/NDF:0.8/3

Left: 577.502+/-499.435 χ^2/NDF: 8.0/8

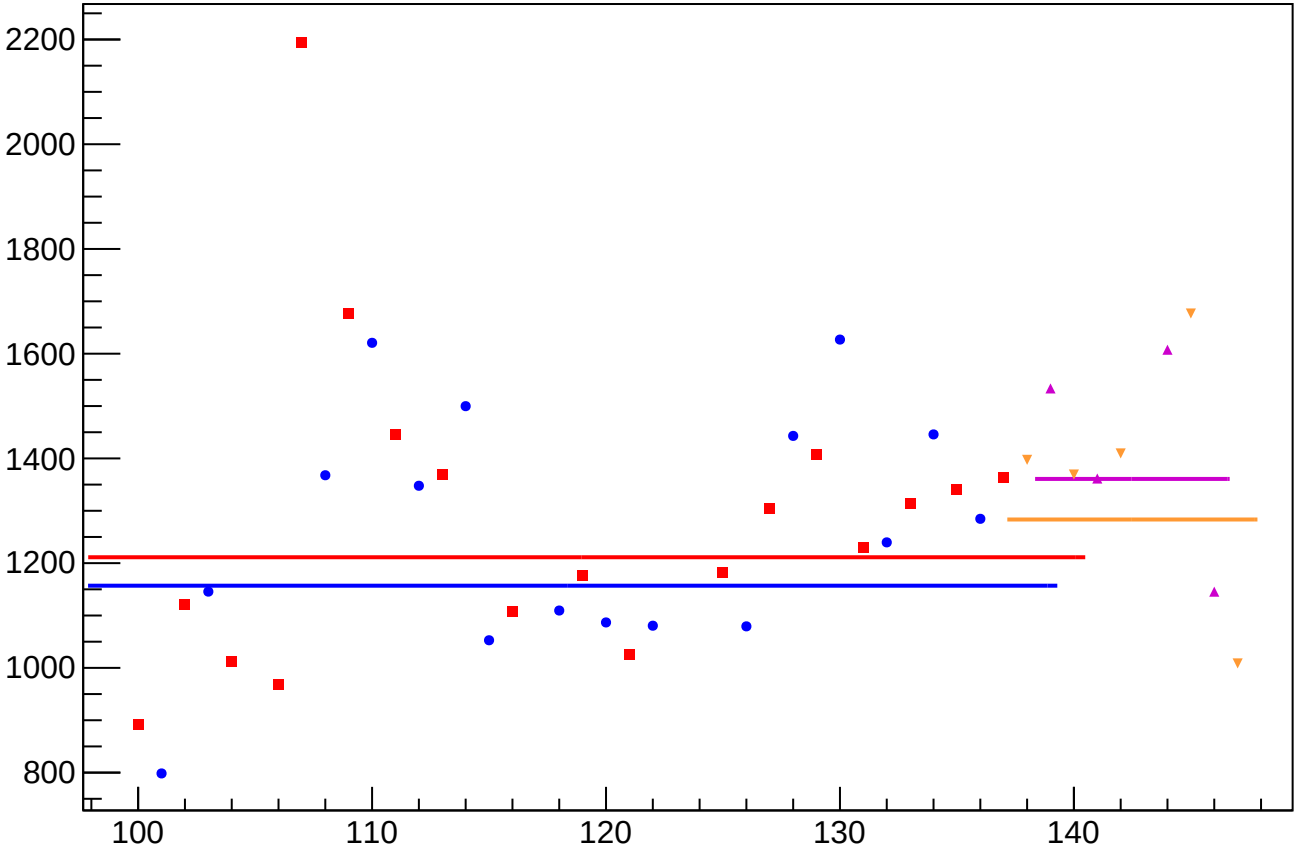
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -113.495+/-377.956 χ^2/NDF:16.3/19

Out: 249.242+/-378.226 χ^2/NDF:23.4/22

All: 67.744+/-267.351 χ^2/NDF: 40.1/42

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1283.352+/-0.482 χ^2/NDF:234850.5/4

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

Left In: 1360.830+/-0.519 χ^2/NDF:126213.6/3

Left: 1319.164+/-0.353 χ^2/NDF: 373028.2/8

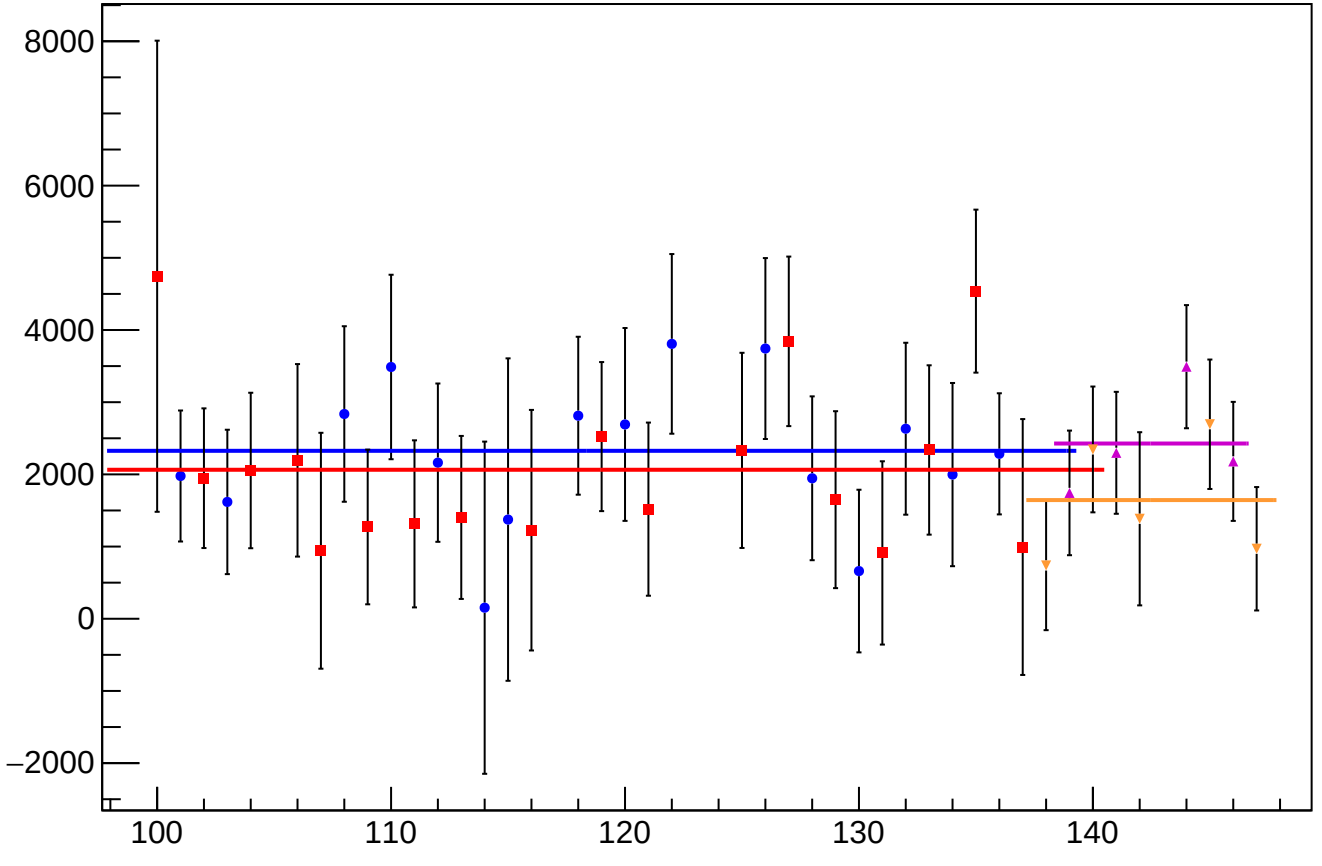
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1210.919+/-0.267 χ^2/NDF:808609.4/19

Out: 1233.498+/-0.267 χ^2/NDF:648062.0/22

All: 1222.200+/-0.189 χ^2/NDF: 1460237.7/42

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1644.011+/-412.753 χ^2/NDF:3.7/4

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

Left In: 2427.523+/-422.952 χ^2/NDF:2.3/3

Left: 2026.206+/-295.400 χ^2/NDF: 7.8/8

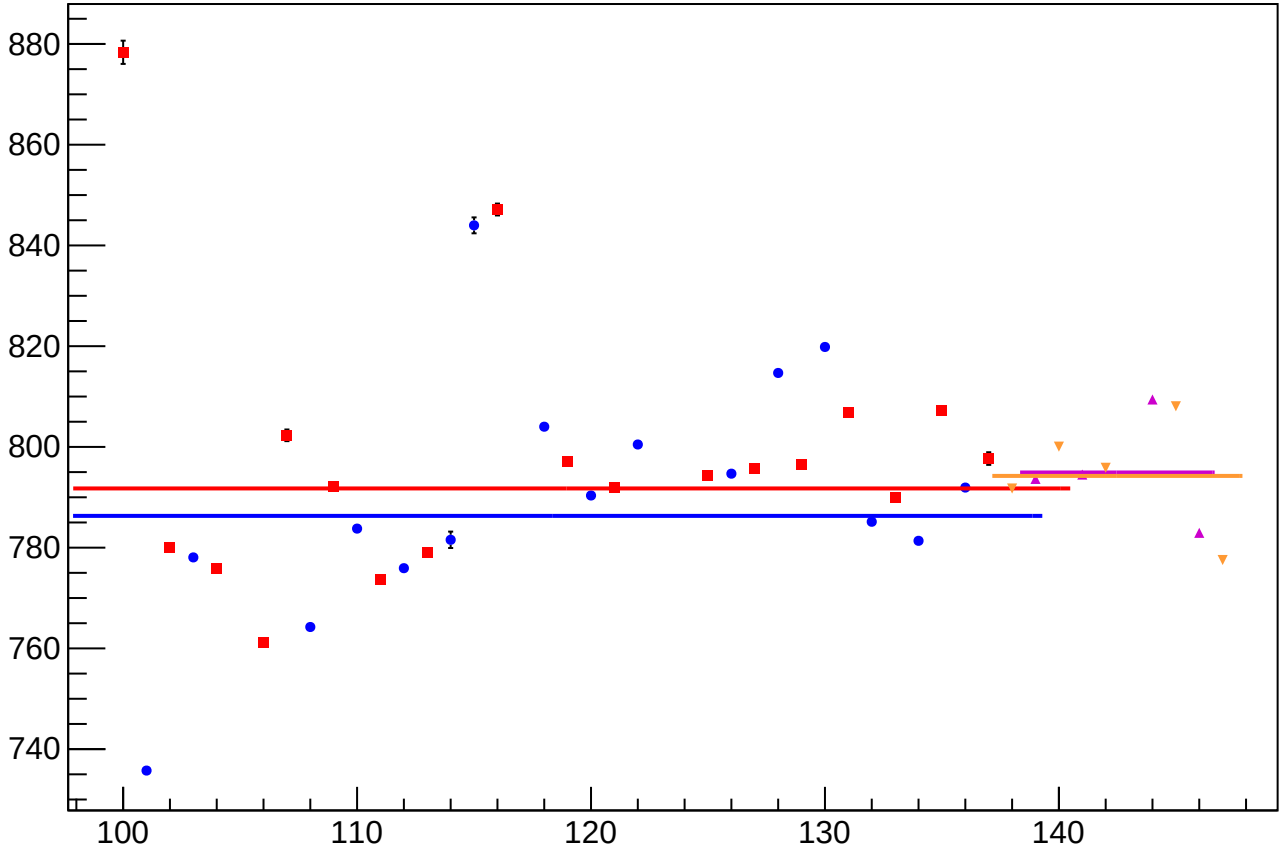
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2359.088+/-240.394 χ^2/NDF:10.5/19

Out: 1924.033+/-238.265 χ^2/NDF:16.0/22

All: 2139.625+/-169.226 χ^2/NDF: 28.2/42

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 794.245+/-0.292 χ^2/NDF:1346.7/4

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

Left In: 794.925+/-0.299 χ^2/NDF:1004.5/3

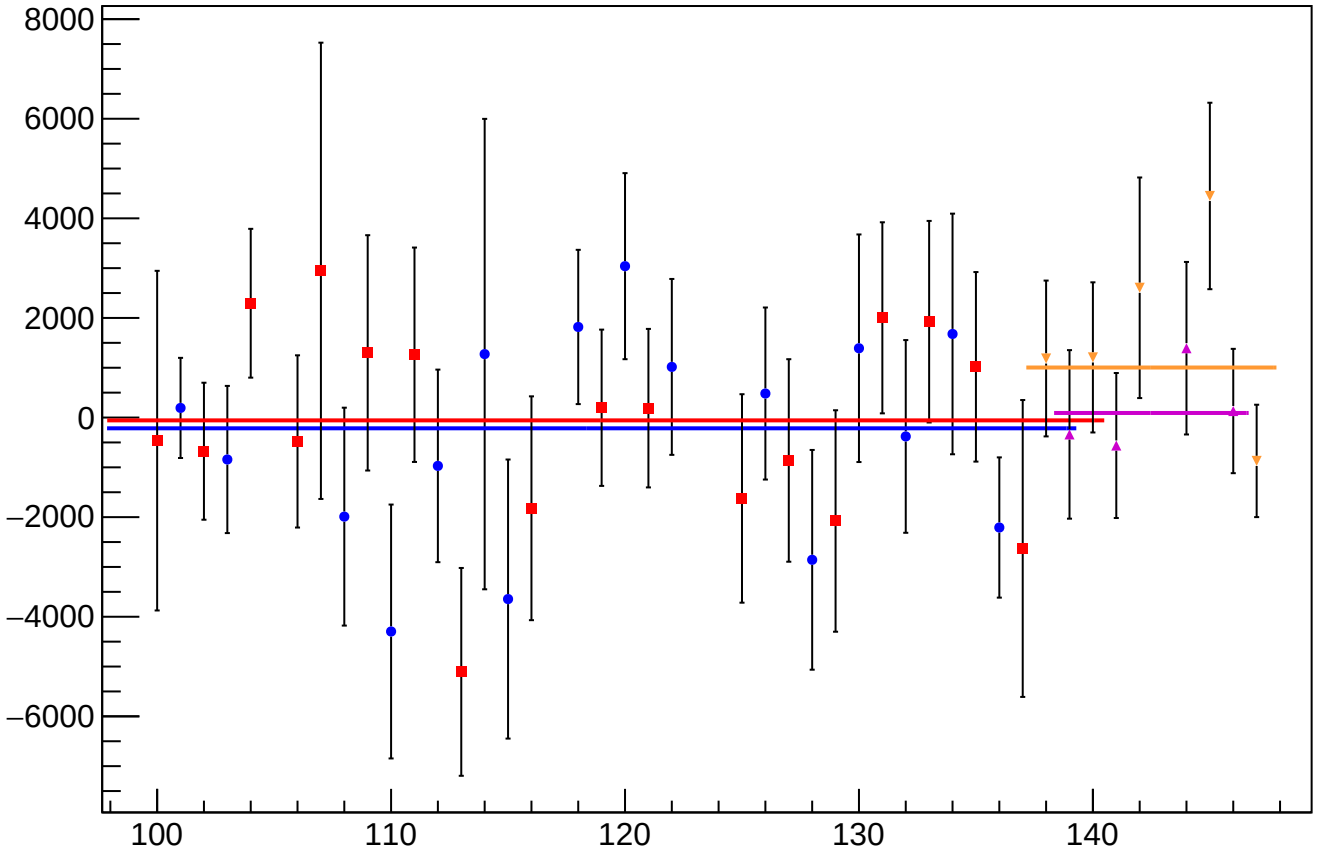
Left: 794.577+/-0.209 χ^2/NDF: 2353.8/8

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

In: 789.093+/-0.170 χ^2/NDF:14137.4/19

Out: 792.586+/-0.168 χ^2/NDF:8410.2/22

All: 790.855+/-0.120 χ^2/NDF: 22760.6/42



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

Left Out: 1004.528+/-686.296 χ^2/NDF:6.7/4

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

Left In: 91.794+/-746.201 χ^2/NDF:0.8/3

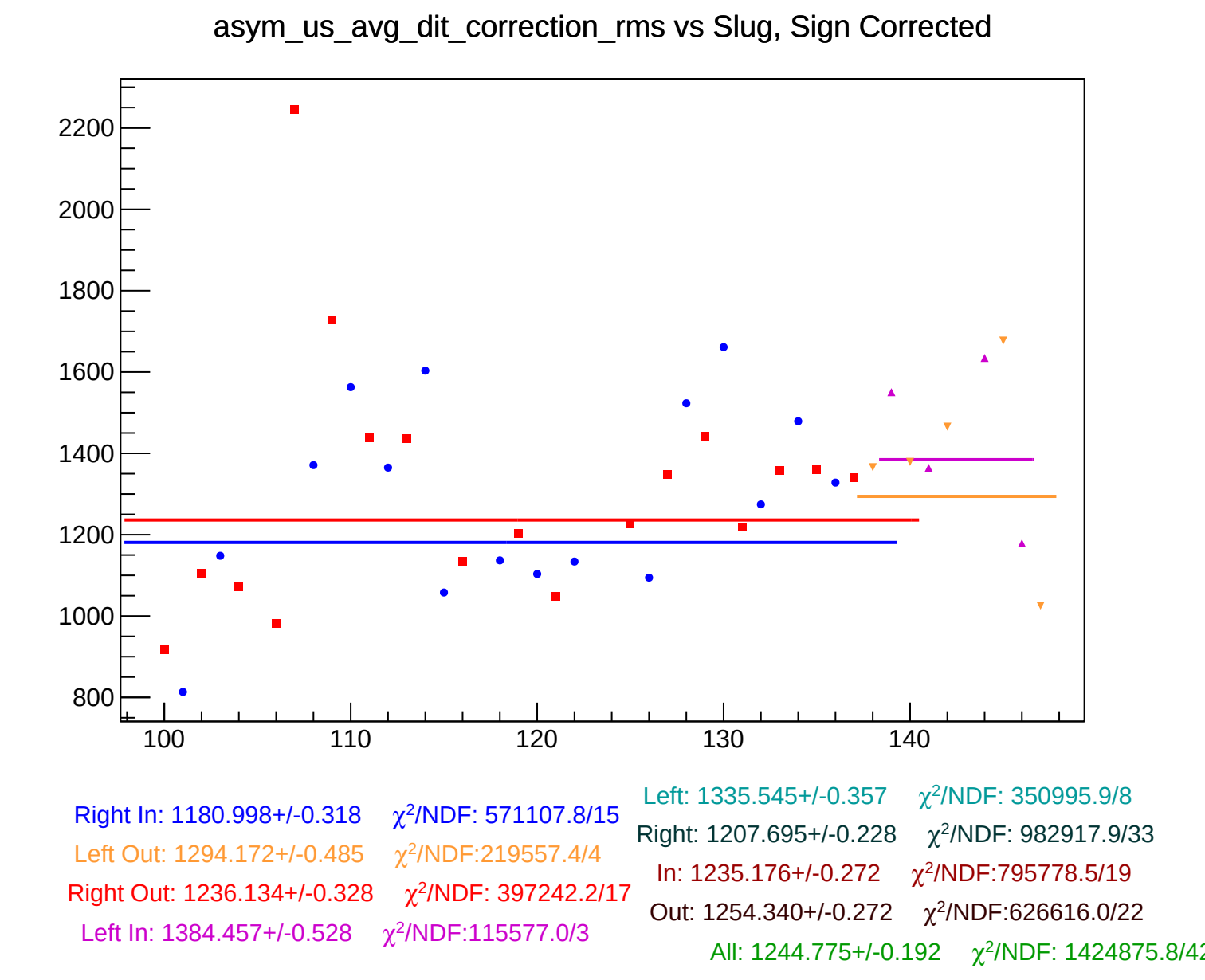
Left: 586.264+/-505.137 χ^2/NDF: 8.3/8

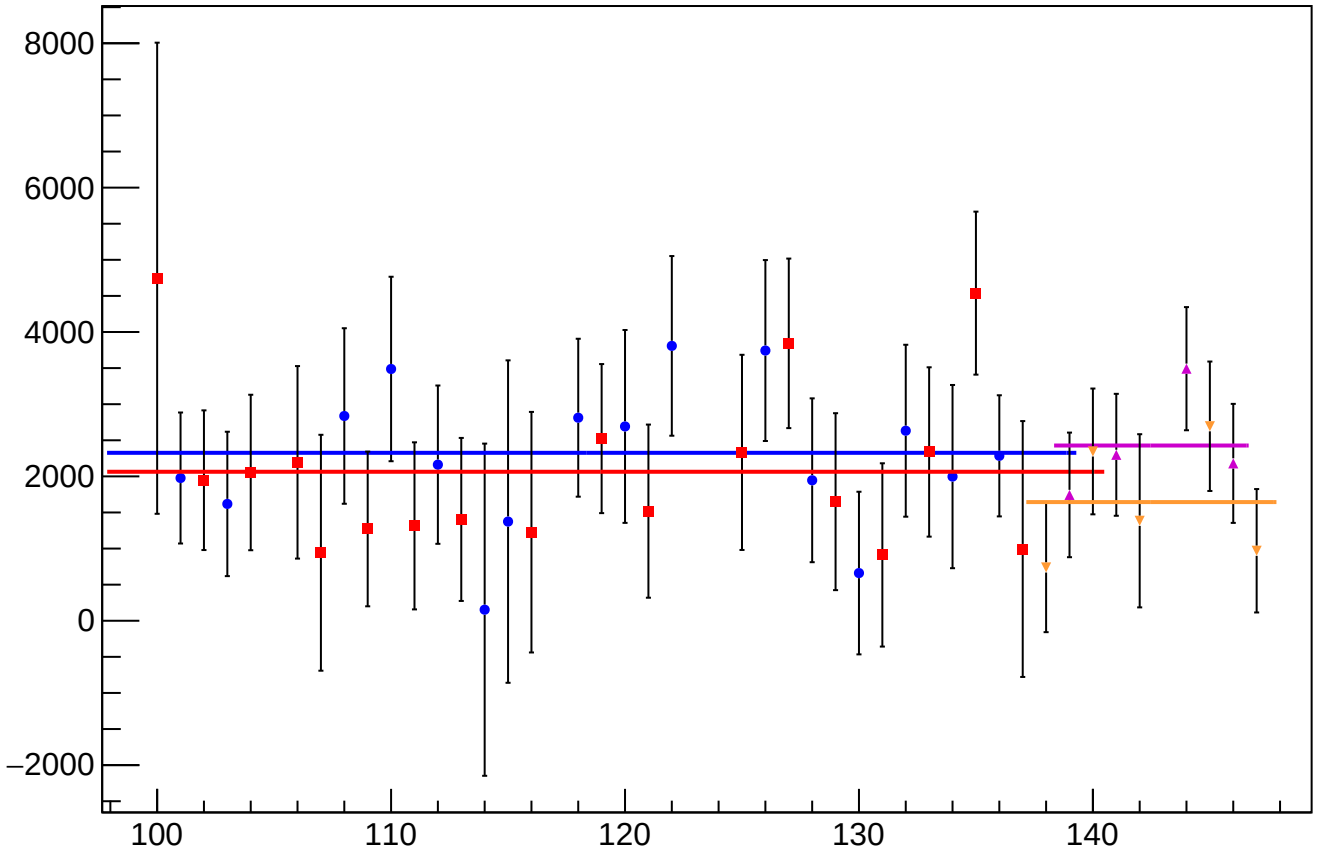
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -134.174+/-385.061 χ^2/NDF:16.2/19

Out: 276.134+/-384.379 χ^2/NDF:23.5/22

All: 71.344+/-272.038 χ^2/NDF: 40.3/42


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1294.172+/-0.485 χ²/NDF:219557.4/4
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1384.457+/-0.528 χ²/NDF:115577.0/3
Left: 1335.545+/-0.357 χ²/NDF: 350995.9/8
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1235.176+/-0.272 χ²/NDF:795778.5/19
Out: 1254.340+/-0.272 χ²/NDF:626616.0/22
All: 1244.775+/-0.192 χ²/NDF: 1424875.8/42



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

Left Out: 1644.013+/-412.753 χ^2/NDF:3.7/4

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

Left In: 2427.522+/-422.952 χ^2/NDF:2.3/3

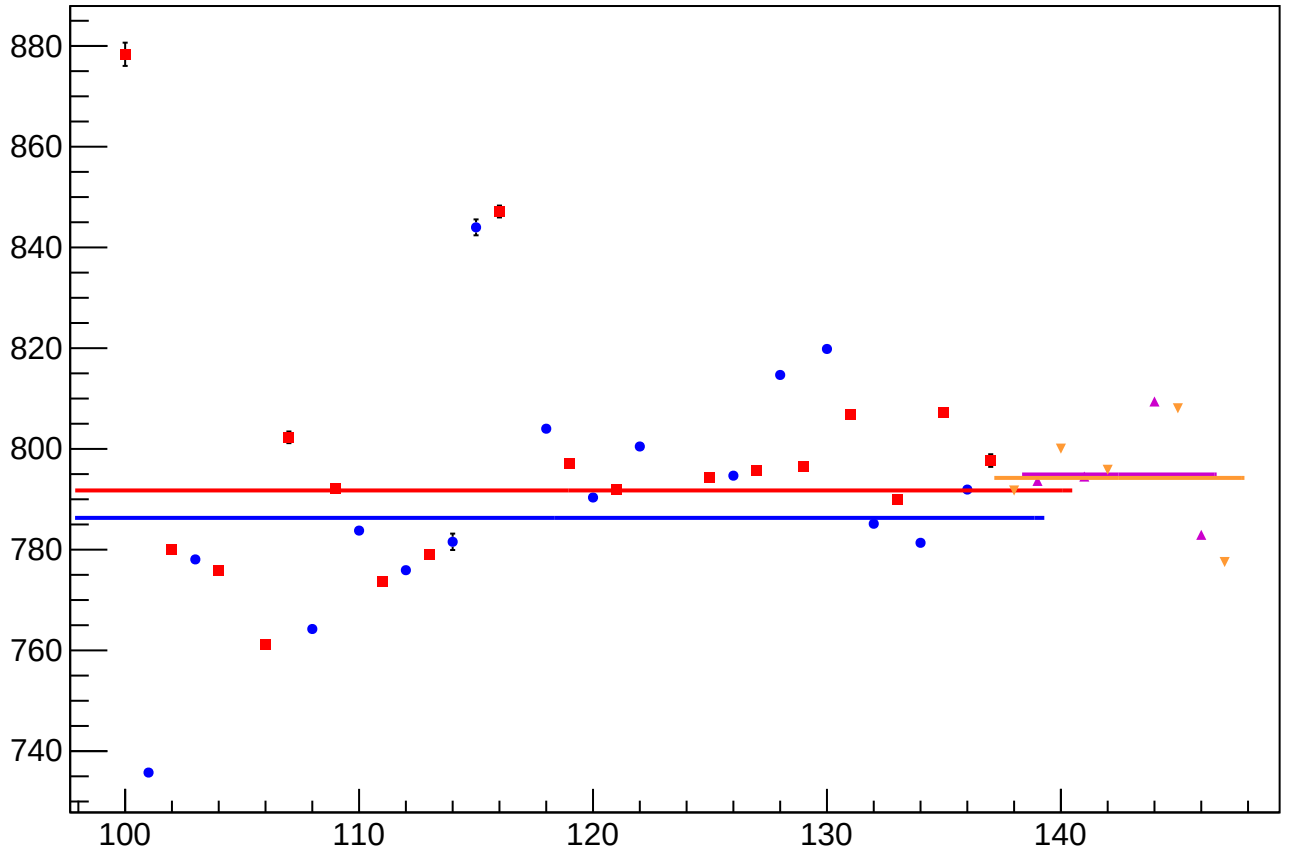
Left: 2026.206+/-295.400 χ^2/NDF: 7.8/8

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

In: 2359.087+/-240.394 χ^2/NDF:10.5/19

Out: 1924.032+/-238.265 χ^2/NDF:16.0/22

All: 2139.624+/-169.226 χ^2/NDF: 28.2/42



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

Left Out: 794.245+/-0.292 χ^2/NDF:1346.6/4

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

Left In: 794.925+/-0.299 χ^2/NDF:1004.5/3

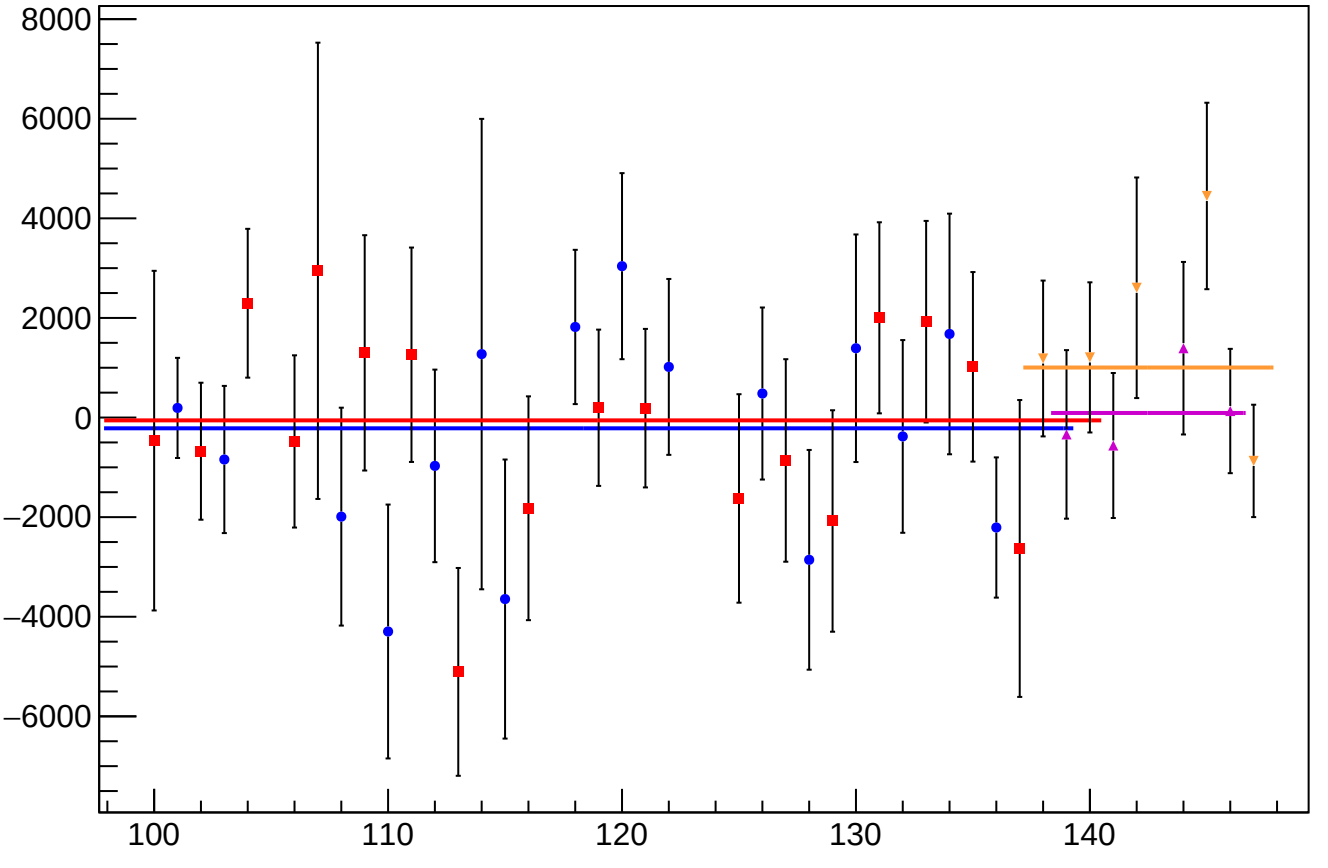
Left: 794.577+/-0.209 χ^2/NDF: 2353.8/8

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

In: 789.093+/-0.170 χ^2/NDF:14137.3/19

Out: 792.586+/-0.168 χ^2/NDF:8410.2/22

All: 790.855+/-0.120 χ^2/NDF: 22760.5/42



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

Left Out: 1004.526+/-686.297 χ^2/NDF:6.7/4

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

Left In: 91.793+/-746.203 χ^2/NDF:0.8/3

Left: 586.262+/-505.138 χ^2/NDF: 8.3/8

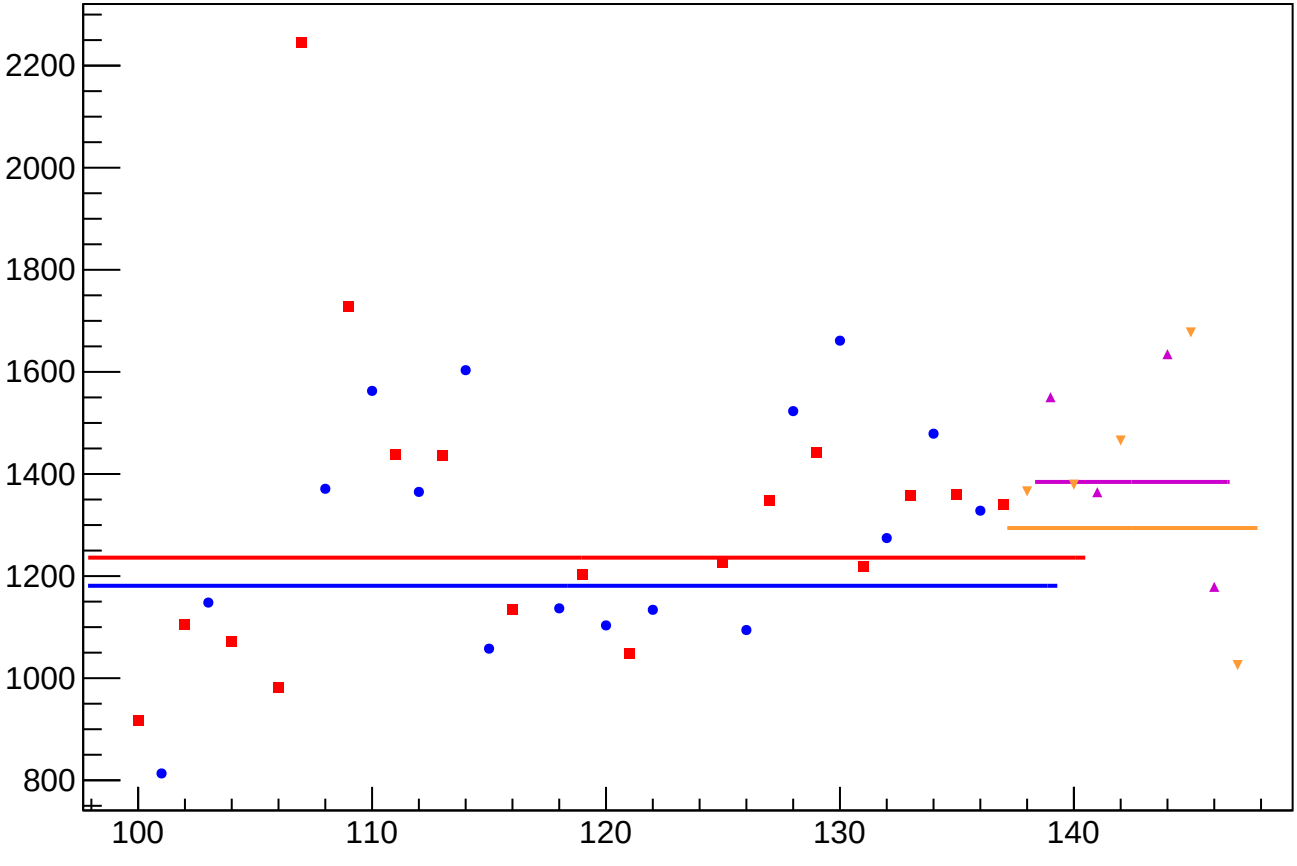
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -134.174+/-385.060 χ^2/NDF:16.2/19

Out: 276.132+/-384.378 χ^2/NDF:23.5/22

All: 71.343+/-272.037 χ^2/NDF: 40.3/42

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1294.174+/-0.485 χ^2/NDF:219558.5/4

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

Left In: 1384.460+/-0.528 χ^2/NDF:115577.6/3

Left: 1335.548+/-0.357 χ^2/NDF: 350997.6/8

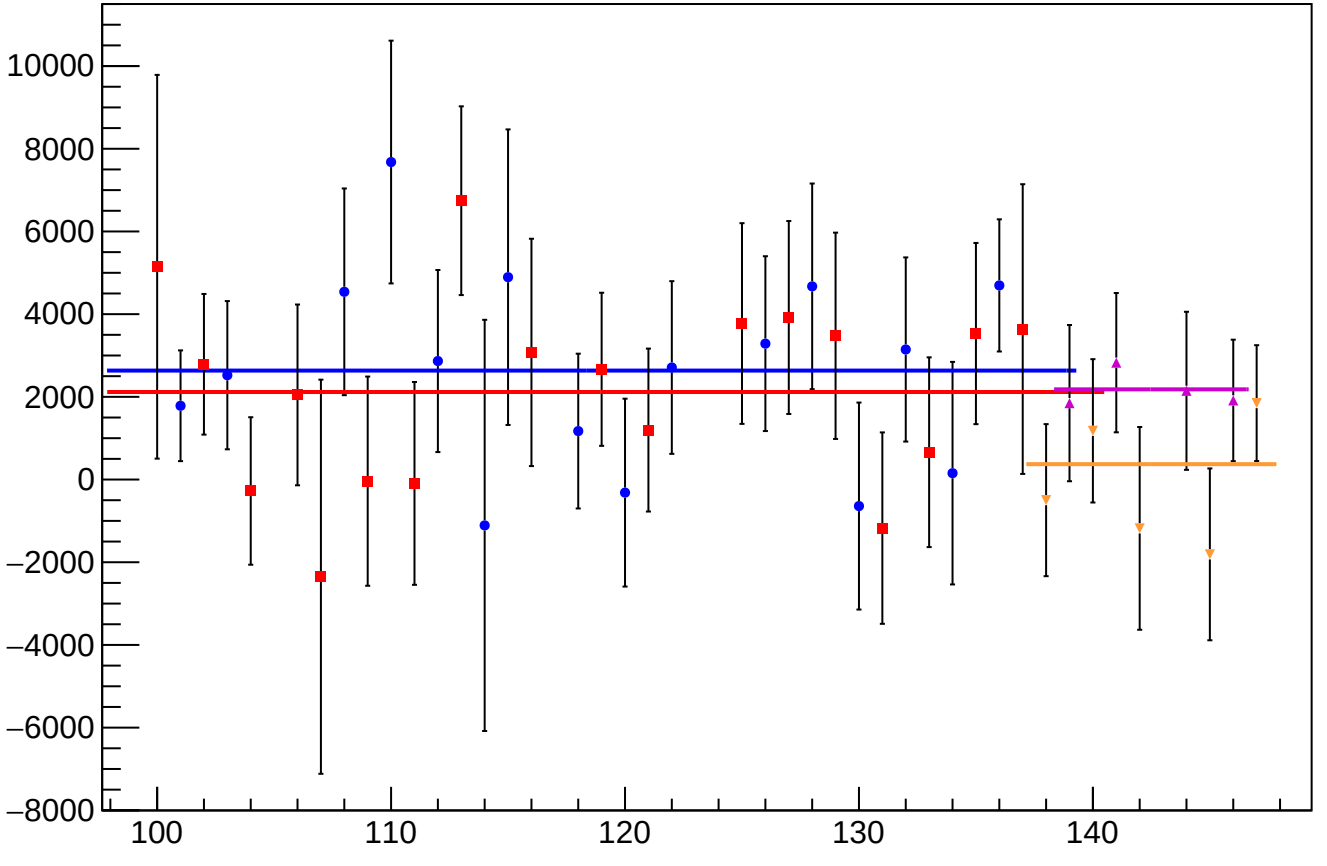
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1235.174+/-0.272 χ^2/NDF:795782.9/19

Out: 1254.338+/-0.272 χ^2/NDF:626617.5/22

All: 1244.773+/-0.192 χ^2/NDF: 1424881.7/42

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 371.866+/-806.786 χ^2/NDF:3.1/4

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

Left In: 2181.628+/-854.462 χ^2/NDF:0.2/3

Left: 1224.852+/-586.614 χ^2/NDF: 5.6/8

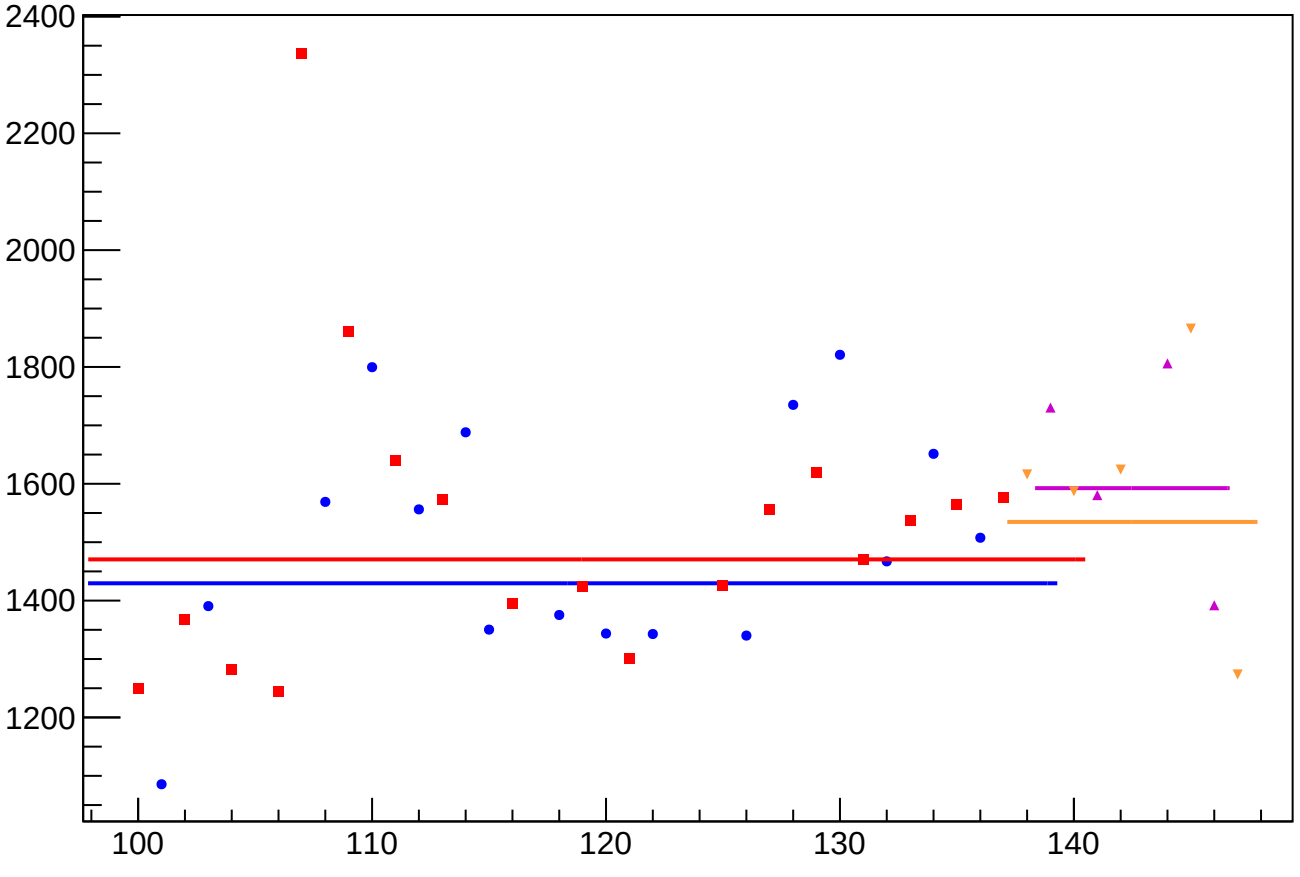
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2506.563+/-455.293 χ^2/NDF:12.7/19

Out: 1566.869+/-453.023 χ^2/NDF:20.0/22

All: 2034.368+/-321.135 χ^2/NDF: 34.8/42

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1534.684+/-0.570 χ^2/NDF:128648.1/4

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

Left In: 1592.529+/-0.604 χ^2/NDF:72993.9/3

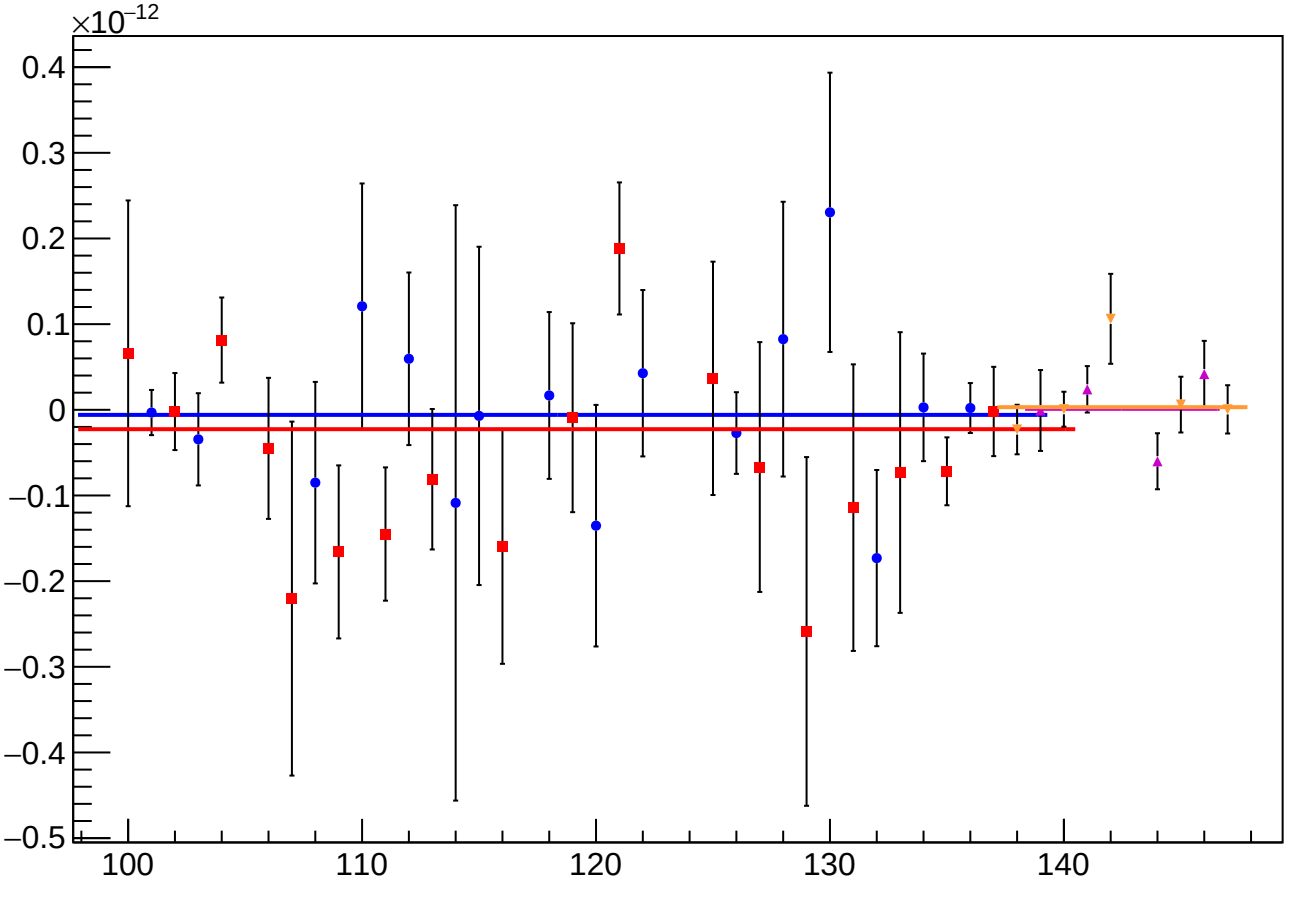
Left: 1561.948+/-0.415 χ^2/NDF: 206487.9/8

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

In: 1475.897+/-0.322 χ^2/NDF:418419.9/19

Out: 1490.782+/-0.320 χ^2/NDF:355364.9/22

All: 1483.377+/-0.227 χ^2/NDF: 774858.9/42



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/4

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

Left In: 0.000+/-0.000 χ^2/NDF:5.3/3

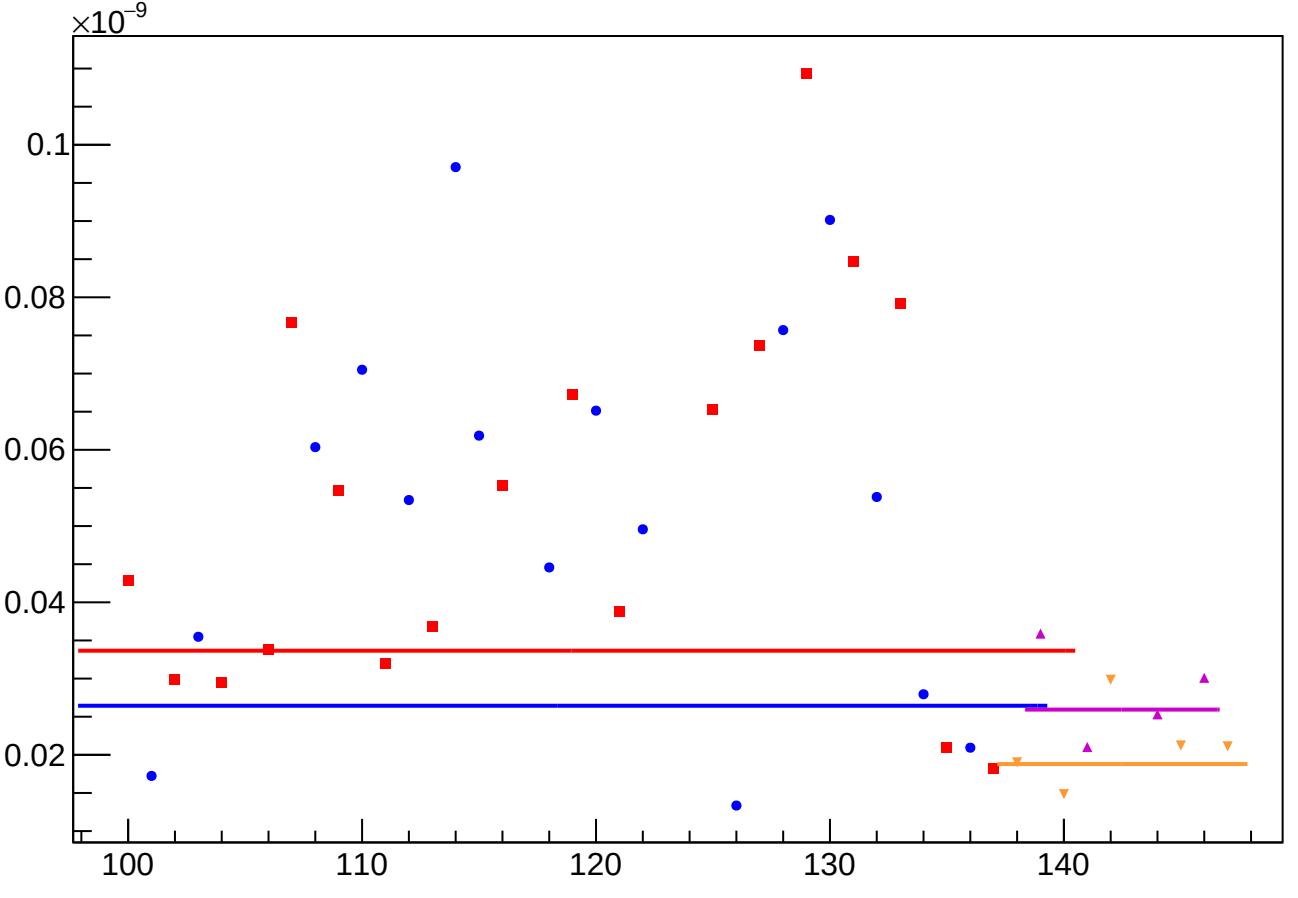
Left: 0.000+/-0.000 χ^2/NDF: 10.0/8

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

In: -0.000+/-0.000 χ^2/NDF:13.9/19

Out: -0.000+/-0.000 χ^2/NDF:29.1/22

All: -0.000+/-0.000 χ^2/NDF: 43.1/42



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

Left Out: 0.000+/-0.000 χ^2/NDF:188637.9/4

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

Left In: 0.000+/-0.000 χ^2/NDF:178420.8/3

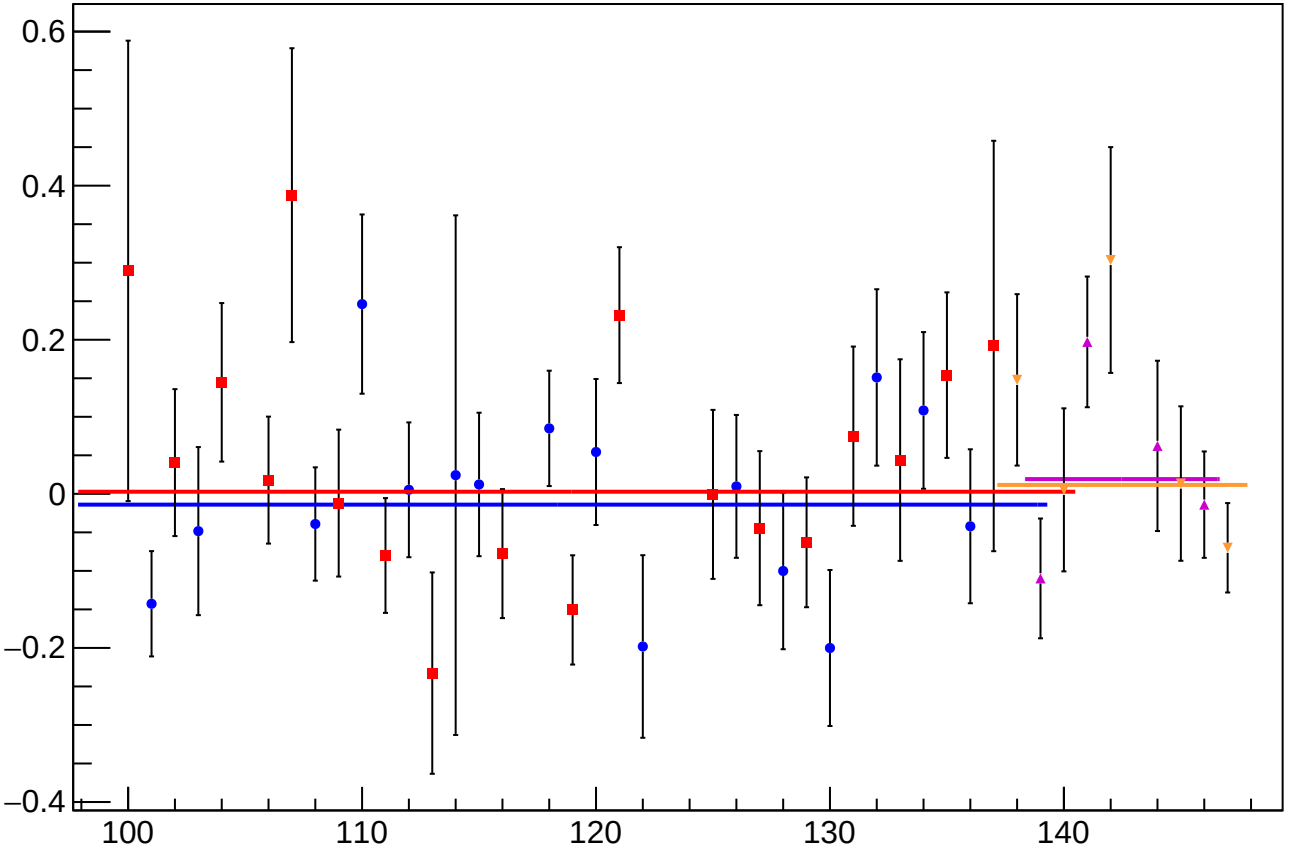
Left: 0.000+/-0.000 χ^2/NDF: 591074.5/8

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

In: 0.000+/-0.000 χ^2/NDF:2317860.0/19

Out: 0.000+/-0.000 χ^2/NDF:2796566.1/22

All: 0.000+/-0.000 χ^2/NDF: 5168545.5/42



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

Left In: 0.019+/-0.041 χ^2/NDF:7.5/3

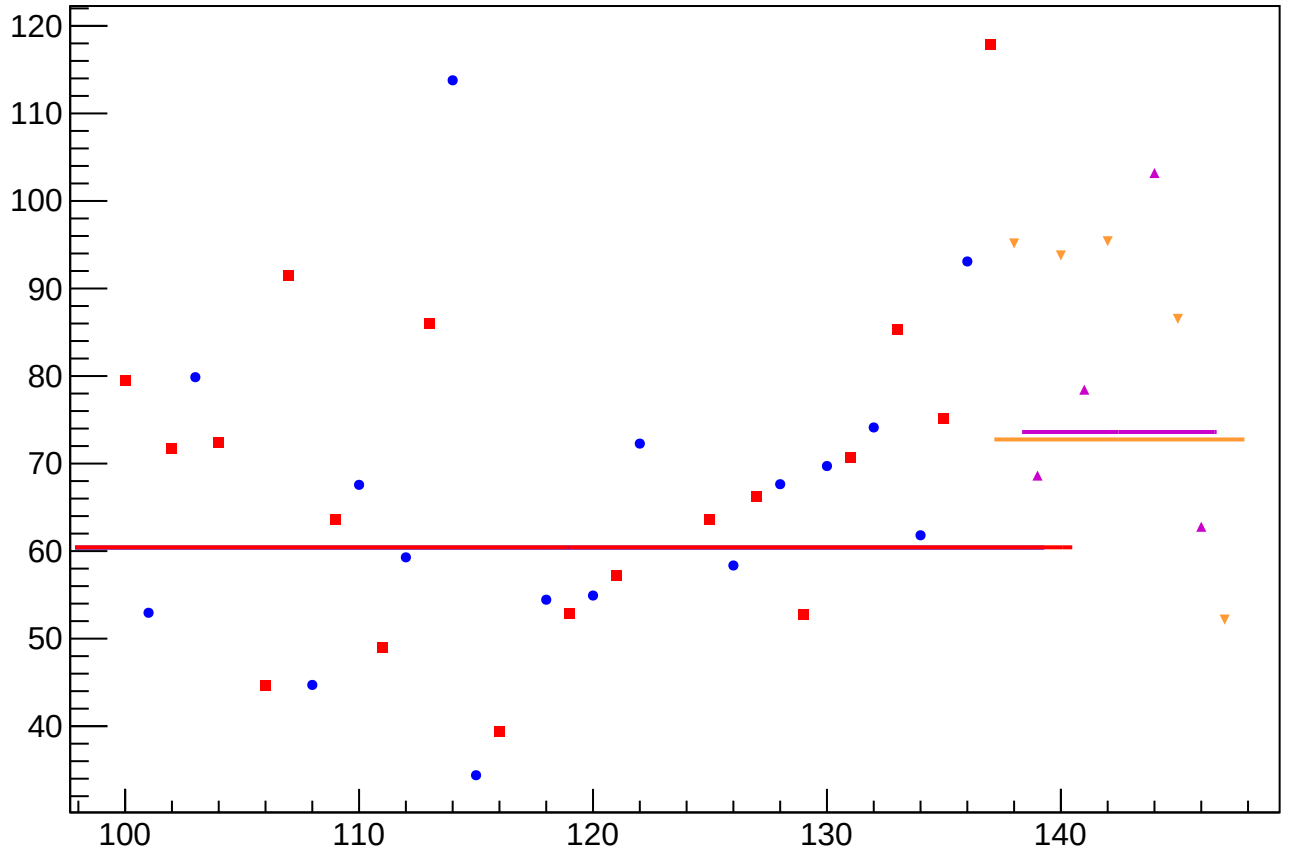
Left: 0.015+/-0.029 χ^2/NDF: 15.0/8

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

In: -0.006+/-0.021 χ^2/NDF:29.4/19

Out: 0.005+/-0.020 χ^2/NDF:35.2/22

All: -0.000+/-0.015 χ^2/NDF: 64.8/42



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

Left Out: 72.753+/-0.029 χ^2/NDF:497068.0/4

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

Left In: 73.608+/-0.029 χ^2/NDF:207137.4/3

Left: 73.175+/-0.020 χ^2/NDF: 704647.0/8

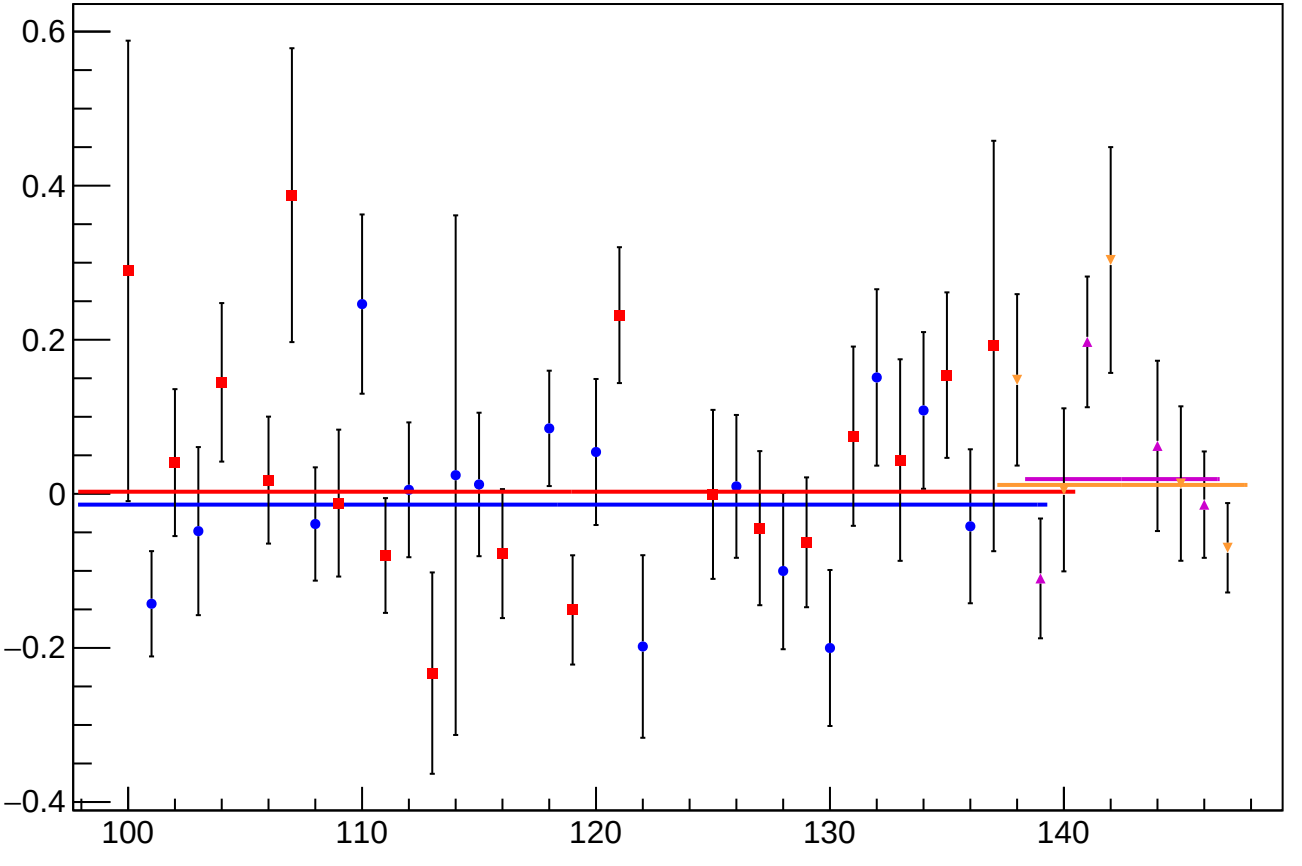
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 63.746+/-0.015 χ^2/NDF:1065584.5/19

Out: 63.609+/-0.014 χ^2/NDF:1346314.2/22

All: 63.677+/-0.010 χ^2/NDF: 2411943.3/42

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

Left In: 0.019+/-0.041 χ^2/NDF:7.5/3

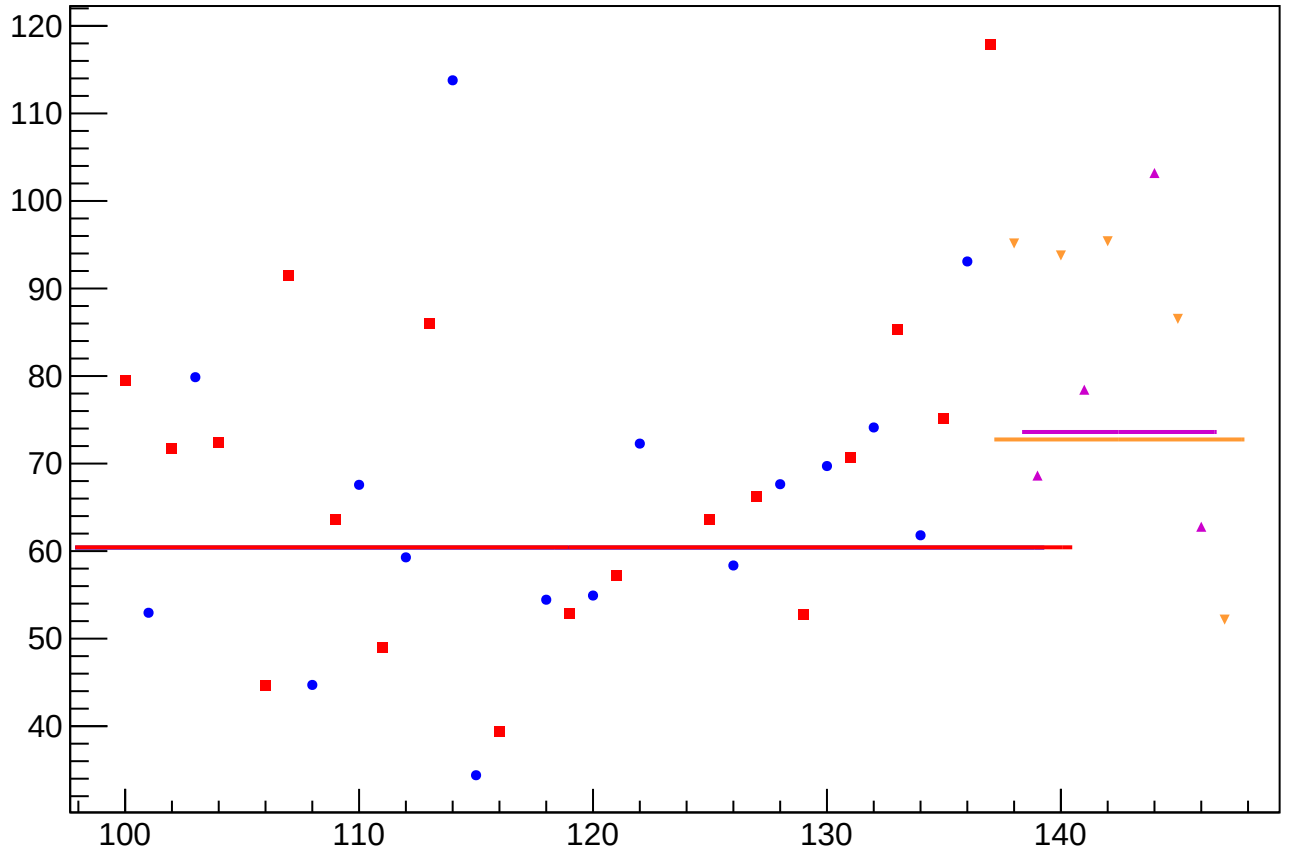
Left: 0.015+/-0.029 χ^2/NDF: 15.0/8

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

In: -0.006+/-0.021 χ^2/NDF:29.4/19

Out: 0.005+/-0.020 χ^2/NDF:35.2/22

All: -0.000+/-0.015 χ^2/NDF: 64.8/42



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

Left Out: 72.753+/-0.029 χ^2/NDF:497068.0/4

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

Left In: 73.608+/-0.029 χ^2/NDF:207137.4/3

Left: 73.175+/-0.020 χ^2/NDF: 704647.0/8

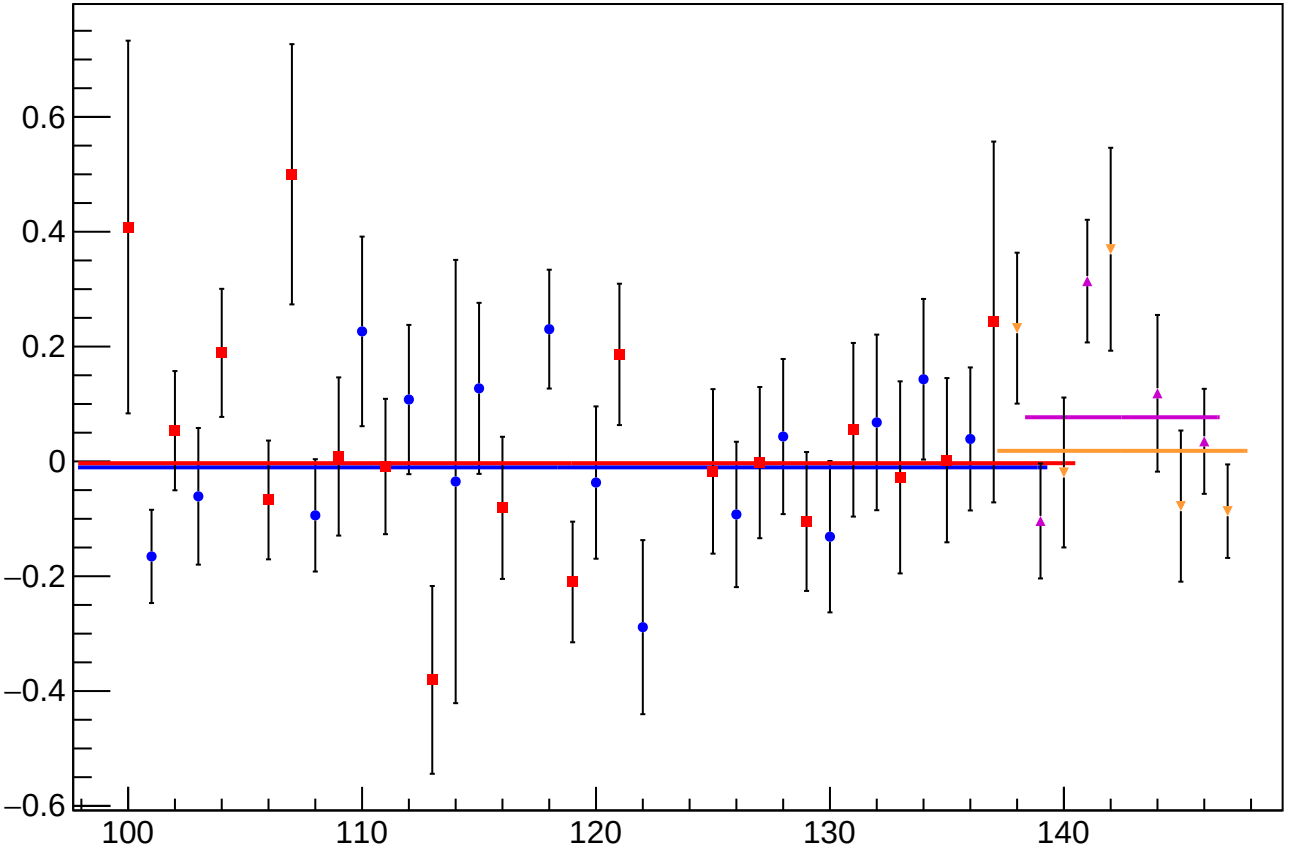
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 63.746+/-0.015 χ^2/NDF:1065584.5/19

Out: 63.609+/-0.014 χ^2/NDF:1346314.2/22

All: 63.677+/-0.010 χ^2/NDF: 2411943.3/42

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.018+/-0.053 χ^2/NDF:8.9/4

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

Left In: 0.077+/-0.053 χ^2/NDF:8.5/3

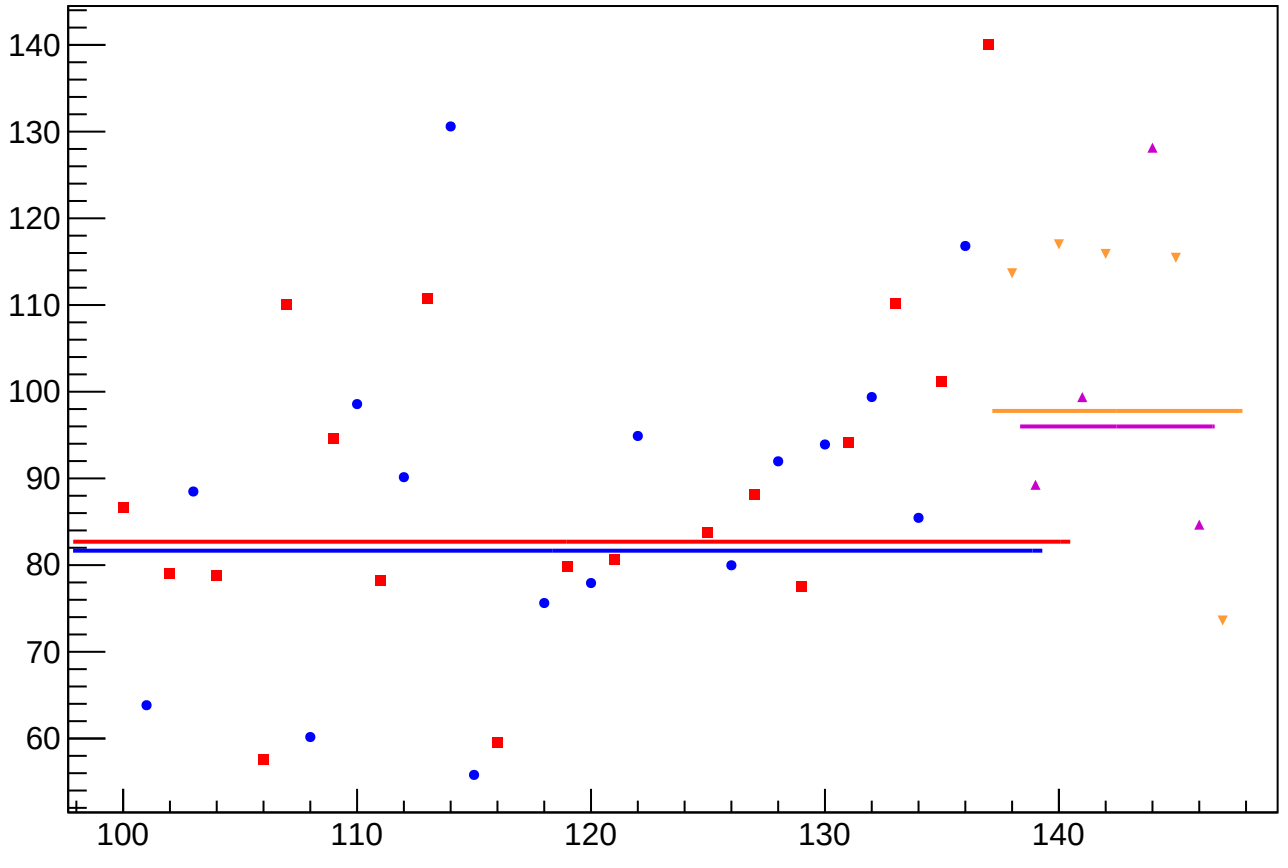
Left: 0.048+/-0.037 χ^2/NDF: 18.0/8

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

In: 0.013+/-0.027 χ^2/NDF:30.7/19

Out: 0.003+/-0.027 χ^2/NDF:32.7/22

All: 0.008+/-0.019 χ^2/NDF: 63.4/42



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

Left Out: 97.784+/-0.037 χ^2/NDF:305766.3/4

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

Left In: 95.992+/-0.037 χ^2/NDF:152751.2/3

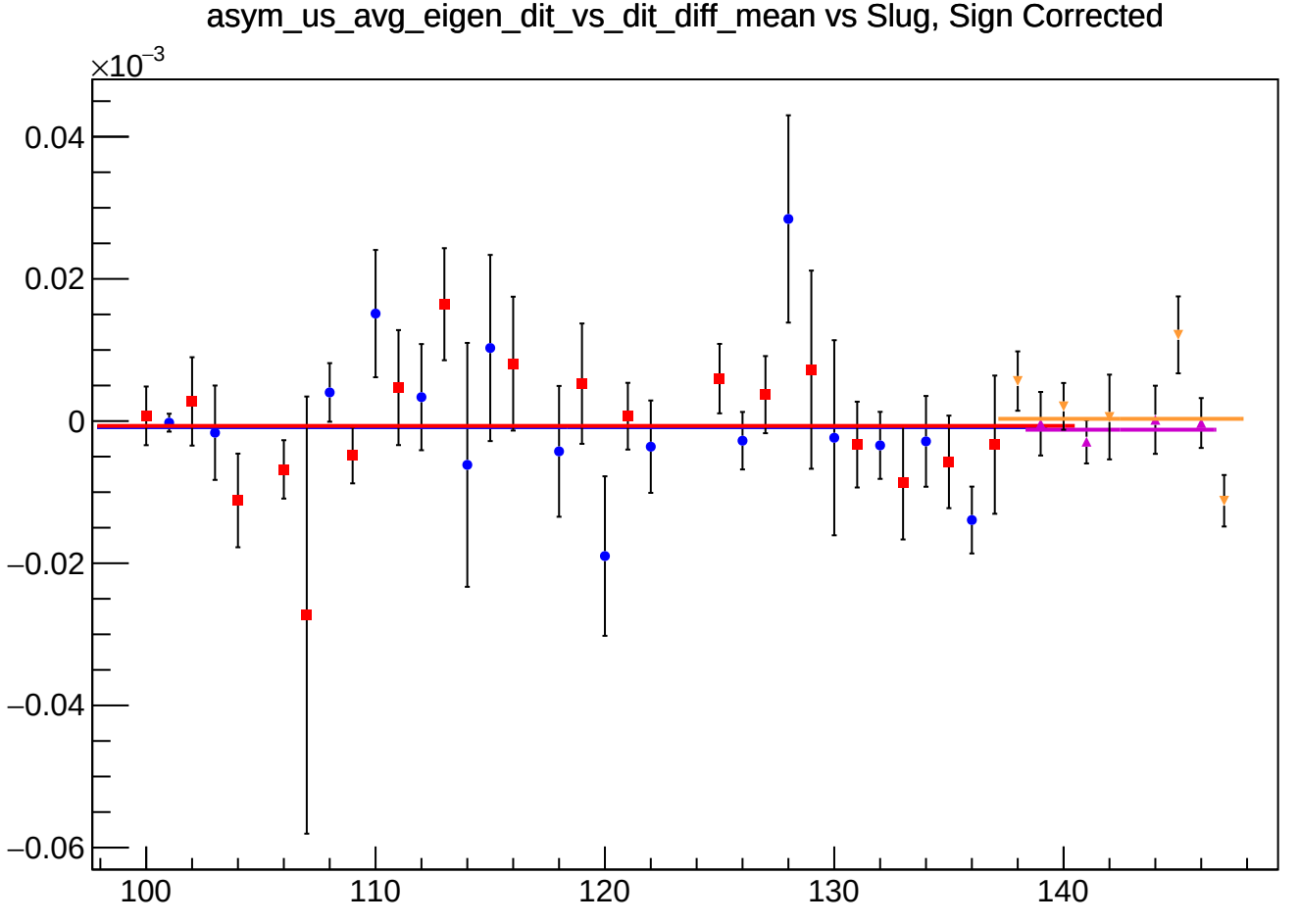
Left: 96.884+/-0.026 χ^2/NDF: 459670.5/8

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

In: 85.458+/-0.019 χ^2/NDF:823447.7/19

Out: 86.692+/-0.019 χ^2/NDF:898316.1/22

All: 86.072+/-0.014 χ^2/NDF: 1723826.8/42



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/4

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

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

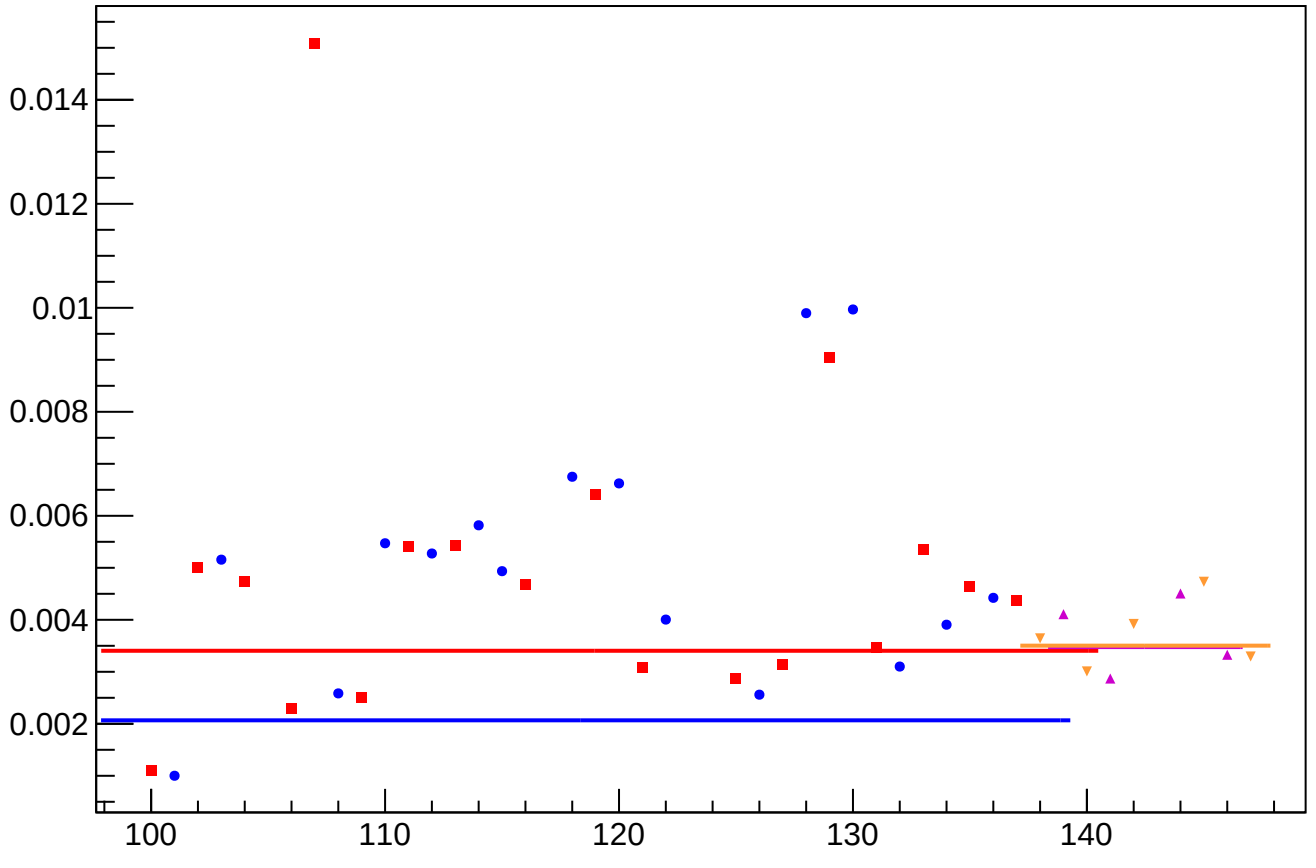
Left: -0.000+/-0.000 χ^2/NDF: 17.6/8

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

In: -0.000+/-0.000 χ^2/NDF:21.8/19

Out: -0.000+/-0.000 χ^2/NDF:35.3/22

All: -0.000+/-0.000 χ^2/NDF: 57.3/42



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

Left Out: 0.004+/-0.000 χ^2/NDF:167195.0/4

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

Left In: 0.003+/-0.000 χ^2/NDF:214167.4/3

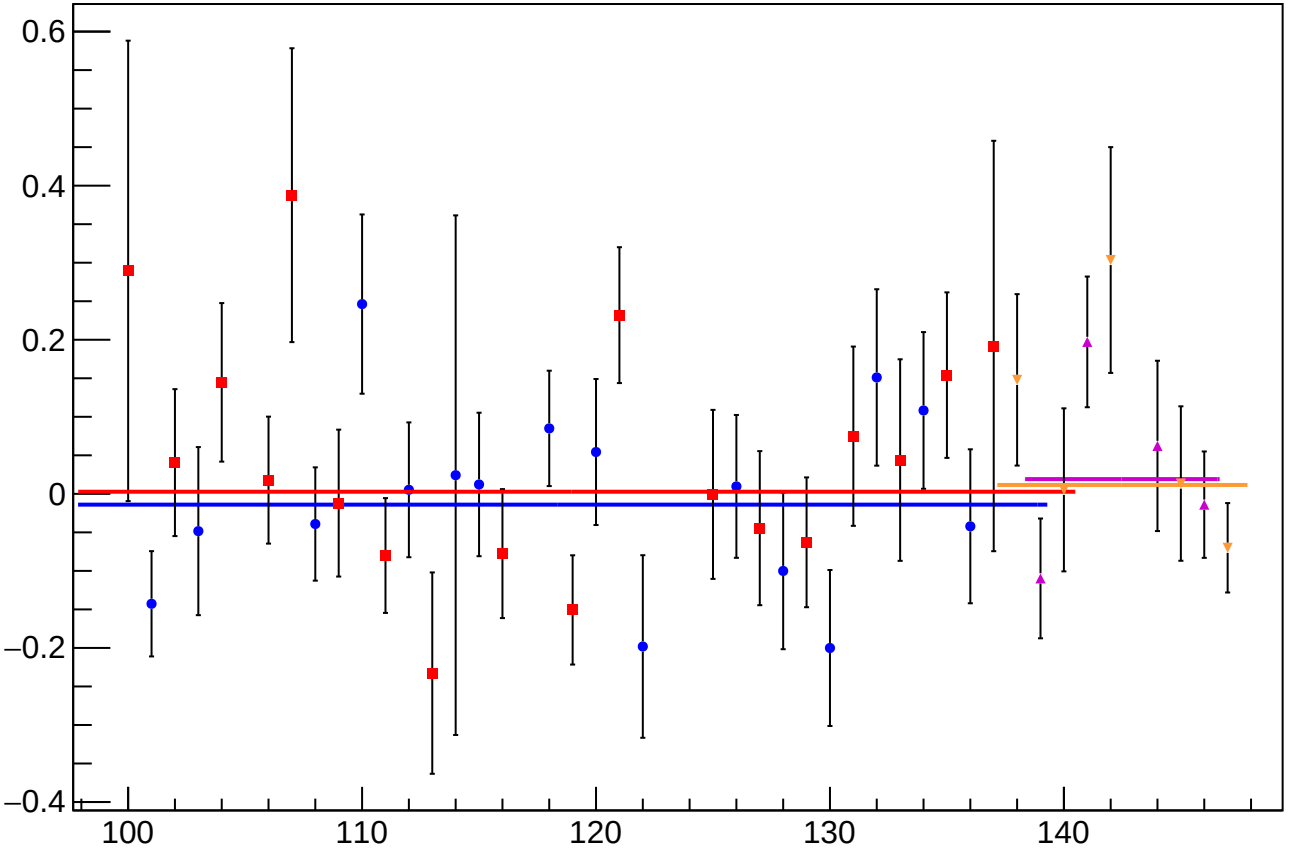
Left: 0.003+/-0.000 χ^2/NDF: 381577.5/8

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

In: 0.002+/-0.000 χ^2/NDF:6896216.7/19

Out: 0.003+/-0.000 χ^2/NDF:2662030.1/22

All: 0.003+/-0.000 χ^2/NDF: 10644222.4/42



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

Left In: 0.019+/-0.041 χ^2/NDF:7.5/3

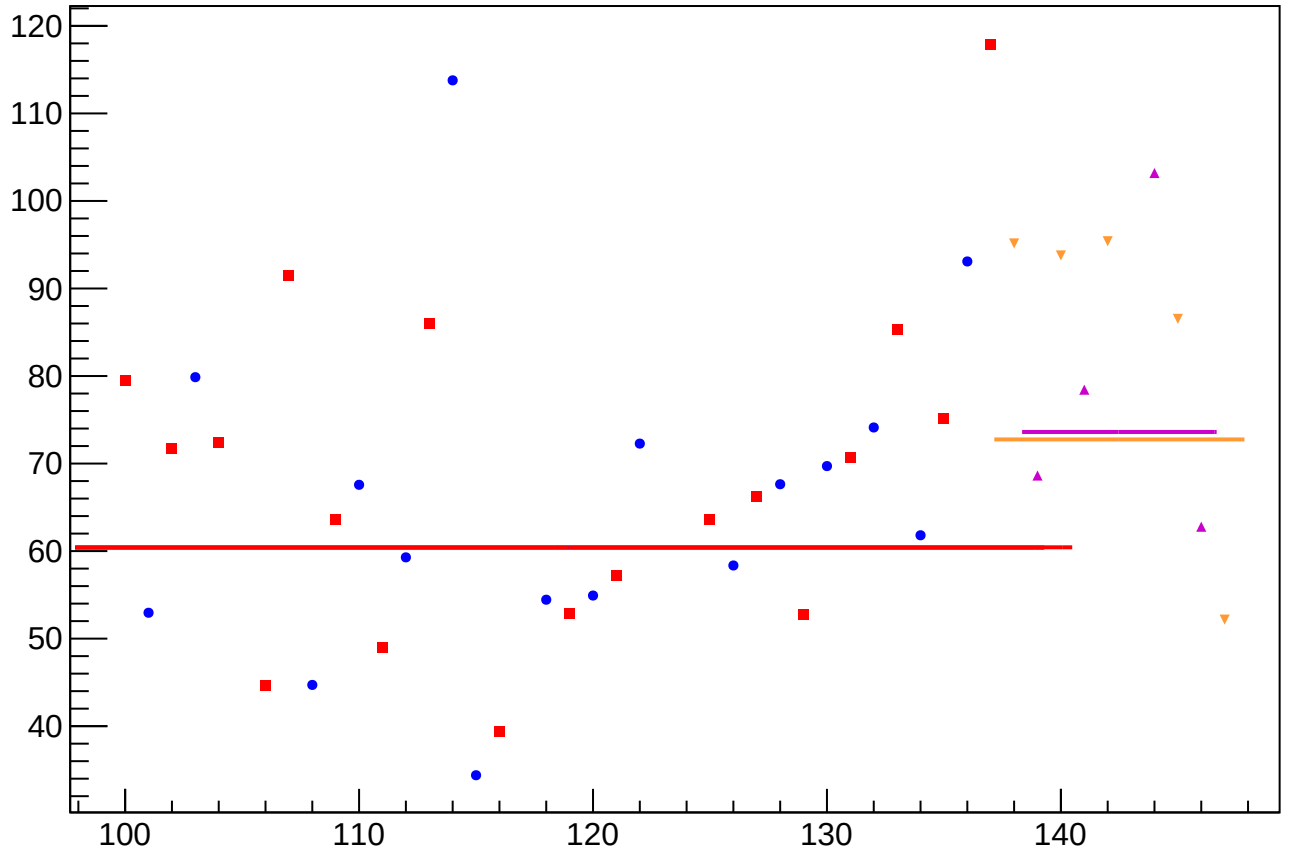
Left: 0.015+/-0.029 χ^2/NDF: 15.0/8

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

In: -0.006+/-0.021 χ^2/NDF:29.4/19

Out: 0.005+/-0.020 χ^2/NDF:35.2/22

All: -0.000+/-0.015 χ^2/NDF: 64.8/42



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

Left Out: 72.753+/-0.029 χ^2/NDF:497062.9/4

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

Left In: 73.608+/-0.029 χ^2/NDF:207127.6/3

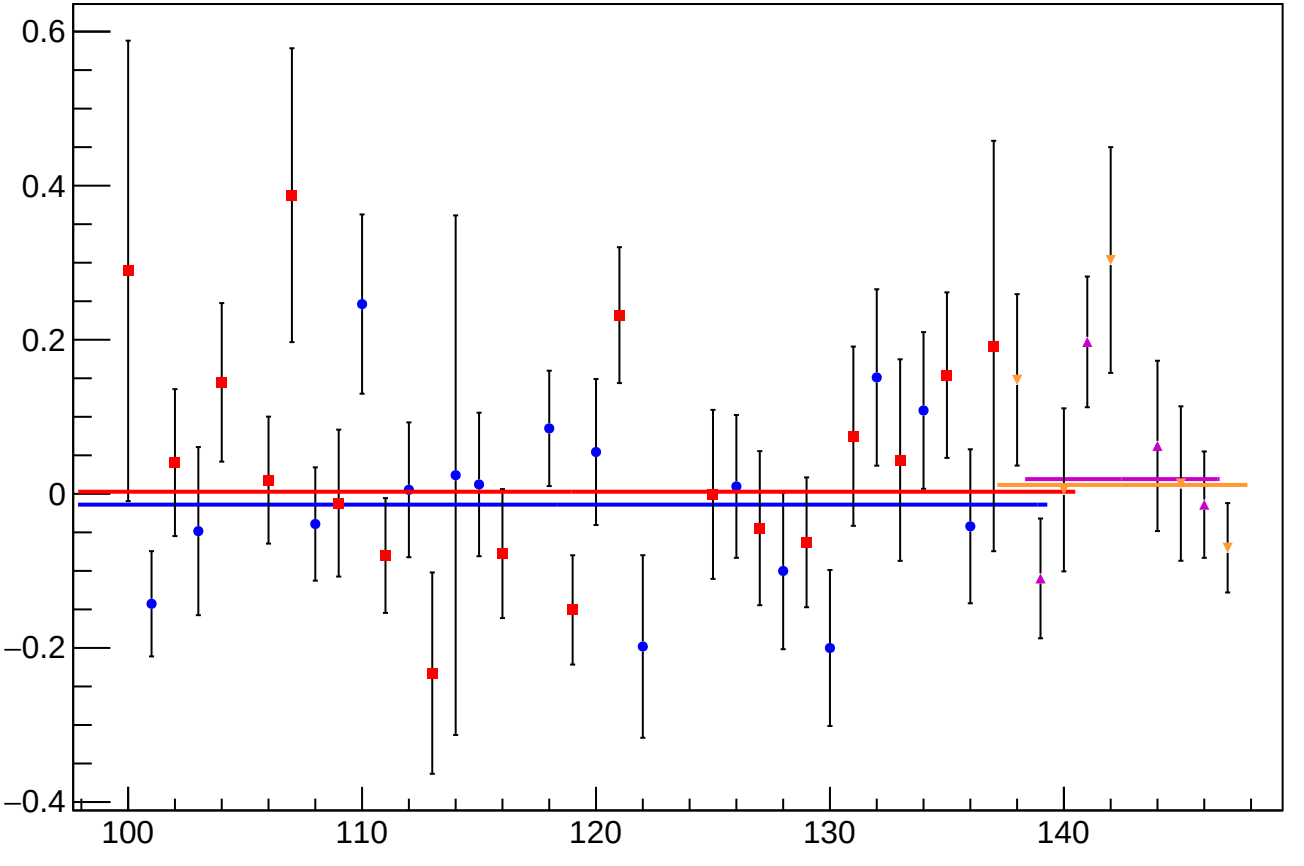
Left: 73.175+/-0.020 χ^2/NDF: 704632.3/8

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

In: 63.745+/-0.015 χ^2/NDF:1065630.0/19

Out: 63.607+/-0.014 χ^2/NDF:1346382.4/22

All: 63.676+/-0.010 χ^2/NDF: 2412057.2/42



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

Left Out: 0.012+/-0.040 χ^2/NDF:7.5/4

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

Left In: 0.019+/-0.041 χ^2/NDF:7.5/3

Left: 0.015+/-0.029 χ^2/NDF: 15.0/8

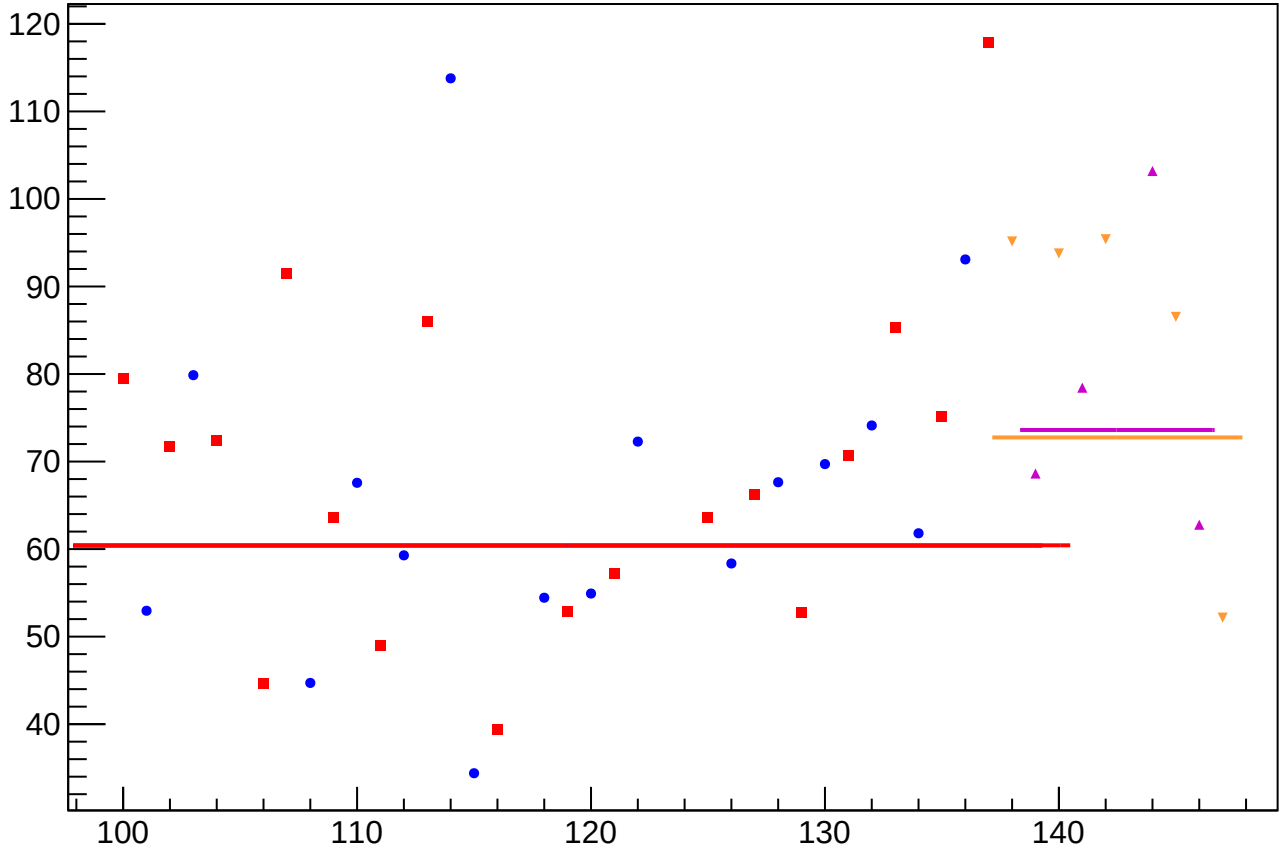
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.006+/-0.021 χ^2/NDF:29.4/19

Out: 0.005+/-0.020 χ^2/NDF:35.2/22

All: -0.000+/-0.015 χ^2/NDF: 64.8/42

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: 72.753+/-0.029 χ^2/NDF:497062.9/4

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

Left In: 73.608+/-0.029 χ^2/NDF:207127.6/3

Left: 73.175+/-0.020 χ^2/NDF: 704632.3/8

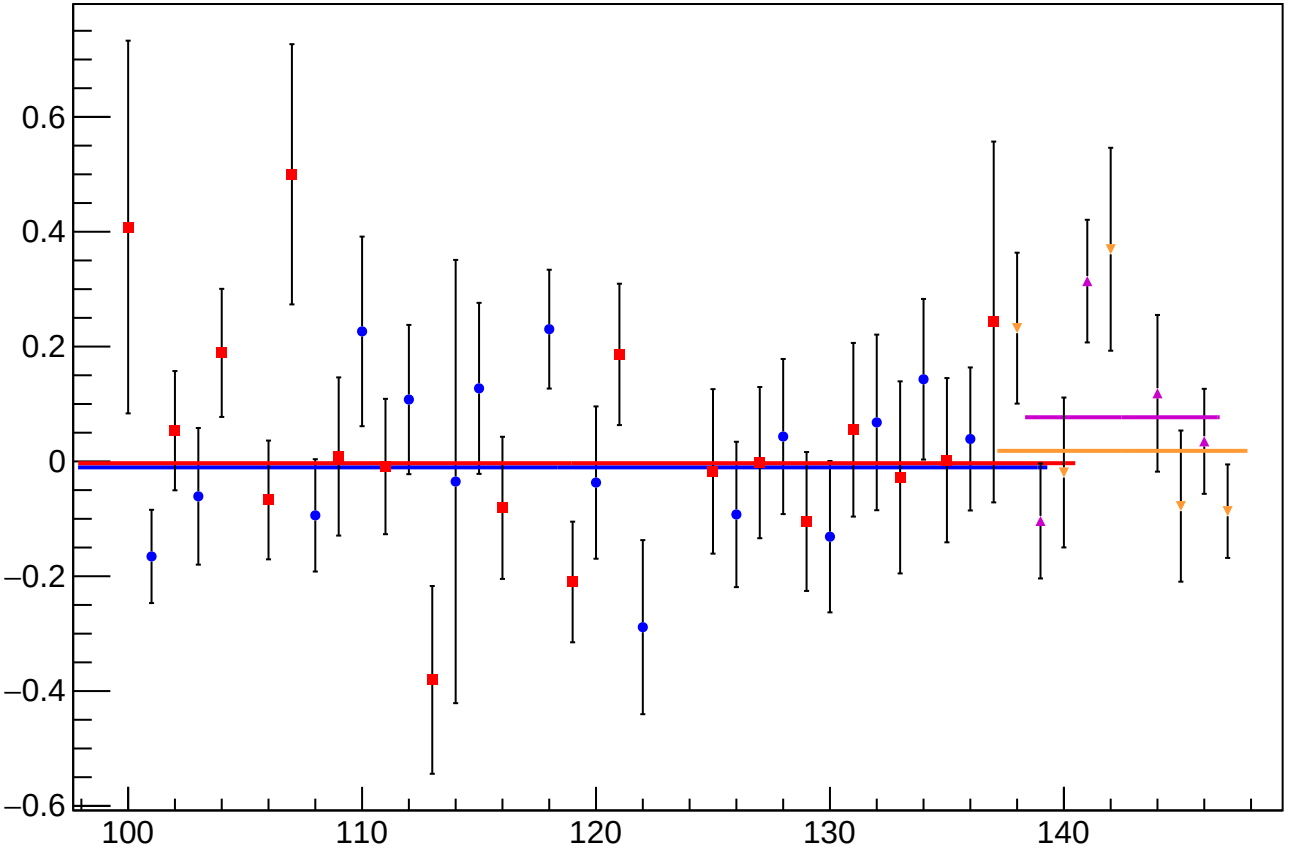
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 63.745+/-0.015 χ^2/NDF:1065630.0/19

Out: 63.607+/-0.014 χ^2/NDF:1346382.4/22

All: 63.676+/-0.010 χ^2/NDF: 2412057.2/42

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: 0.018+/-0.053 χ^2/NDF:8.9/4

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

Left In: 0.077+/-0.053 χ^2/NDF:8.5/3

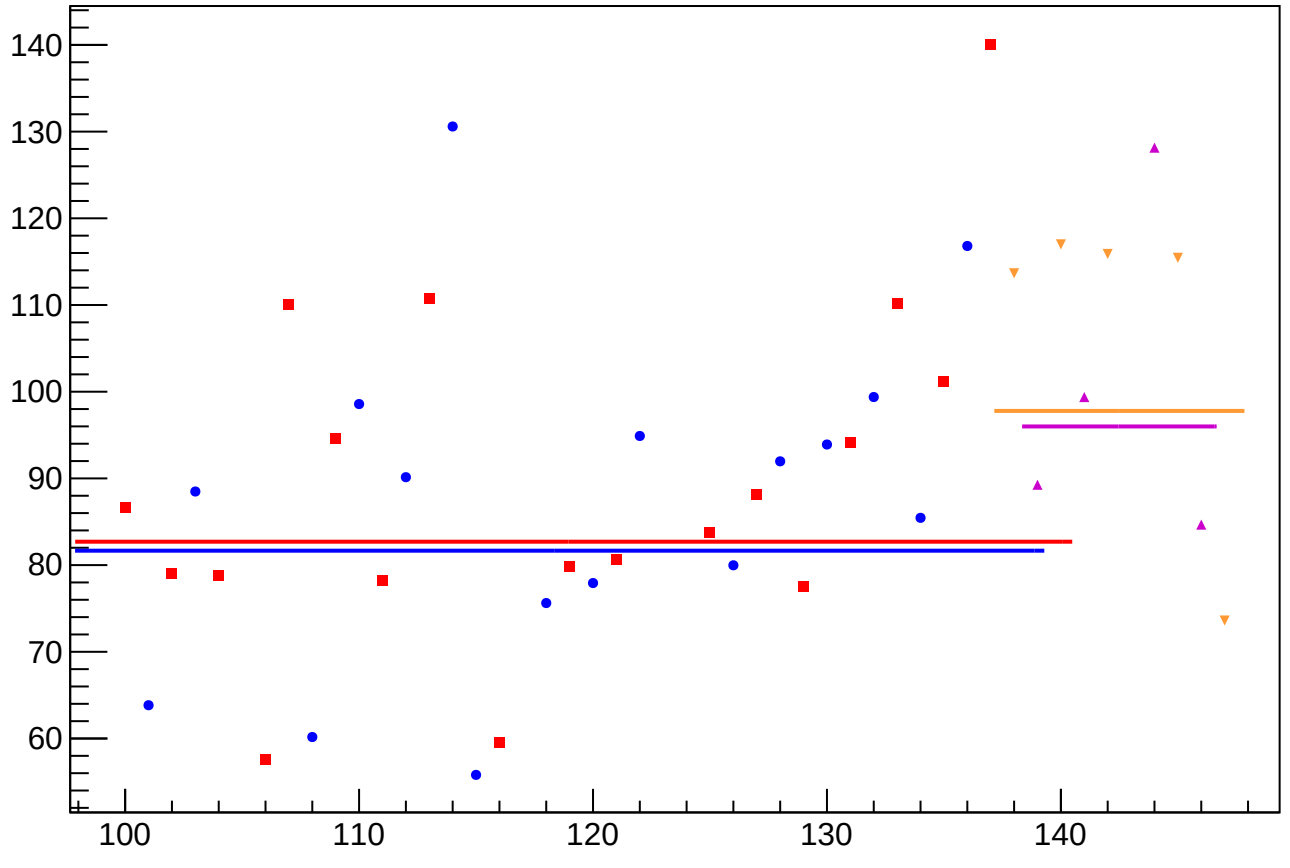
Left: 0.048+/-0.037 χ^2/NDF: 18.0/8

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

In: 0.013+/-0.027 χ^2/NDF:30.7/19

Out: 0.003+/-0.027 χ^2/NDF:32.7/22

All: 0.008+/-0.019 χ^2/NDF: 63.4/42



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

Left Out: 97.784+/-0.037 χ^2/NDF:305763.0/4

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

Left In: 95.992+/-0.037 χ^2/NDF:152746.3/3

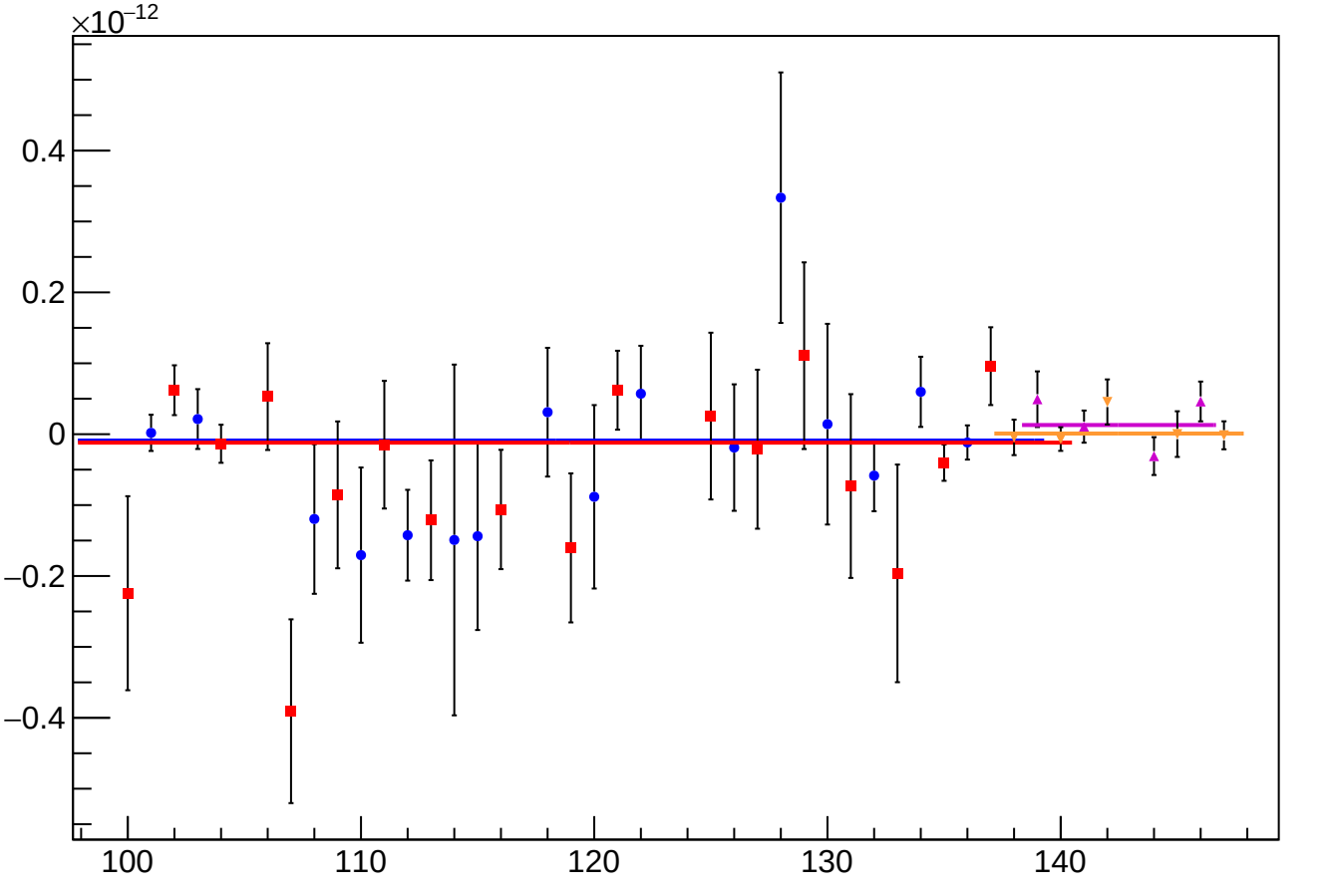
Left: 96.884+/-0.026 χ^2/NDF: 459662.1/8

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

In: 85.457+/-0.019 χ^2/NDF:823448.8/19

Out: 86.691+/-0.019 χ^2/NDF:898329.6/22

All: 86.071+/-0.014 χ^2/NDF: 1723840.8/42



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

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/4

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

Left In: 0.000+/-0.000 χ^2/NDF:5.0/3

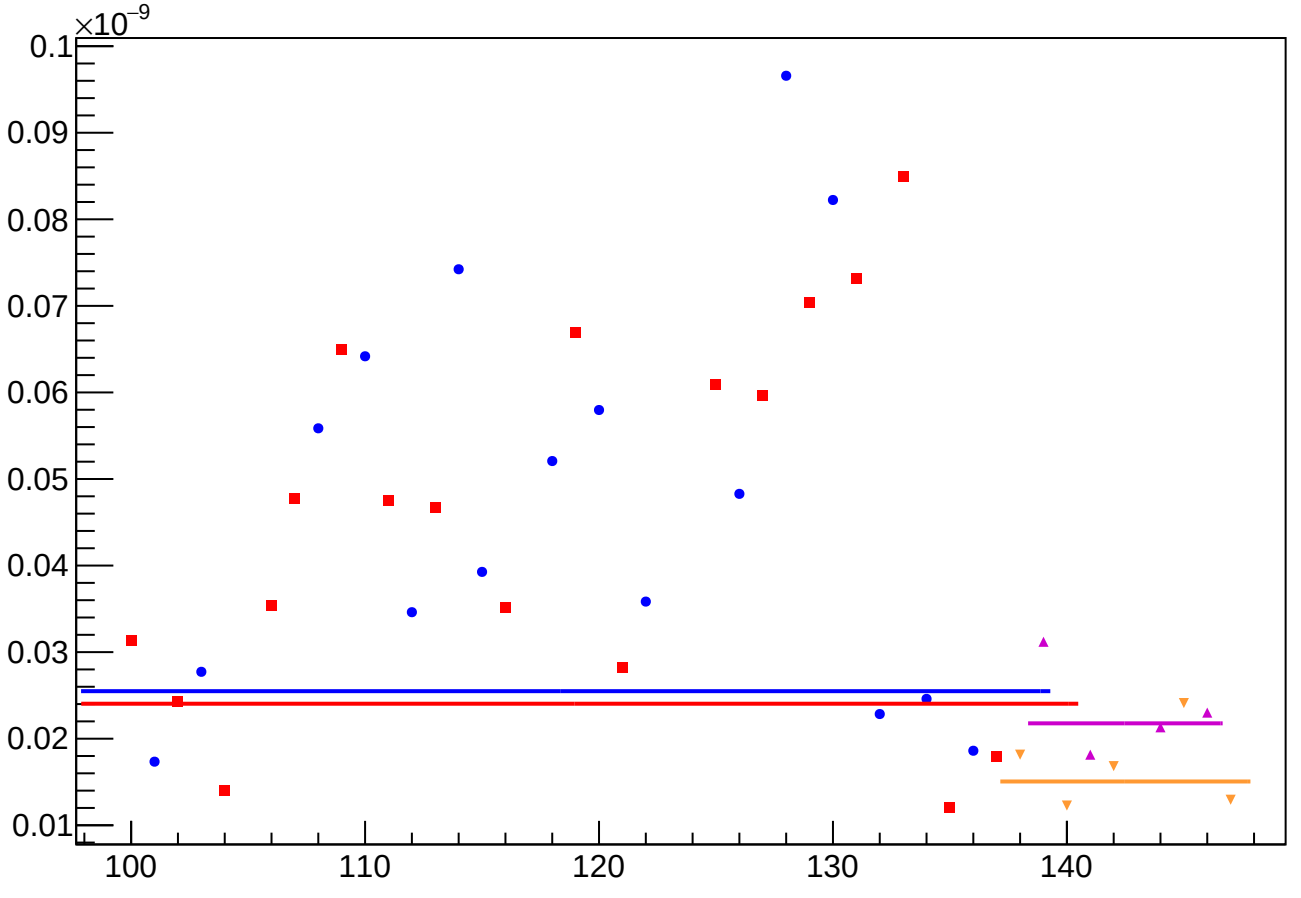
Left: 0.000+/-0.000 χ^2/NDF: 7.7/8

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

In: 0.000+/-0.000 χ^2/NDF:23.7/19

Out: -0.000+/-0.000 χ^2/NDF:33.9/22

All: -0.000+/-0.000 χ^2/NDF: 57.8/42



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

Left Out: 0.000+/-0.000 χ^2/NDF:273697.3/4

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

Left In: 0.000+/-0.000 χ^2/NDF:170731.7/3

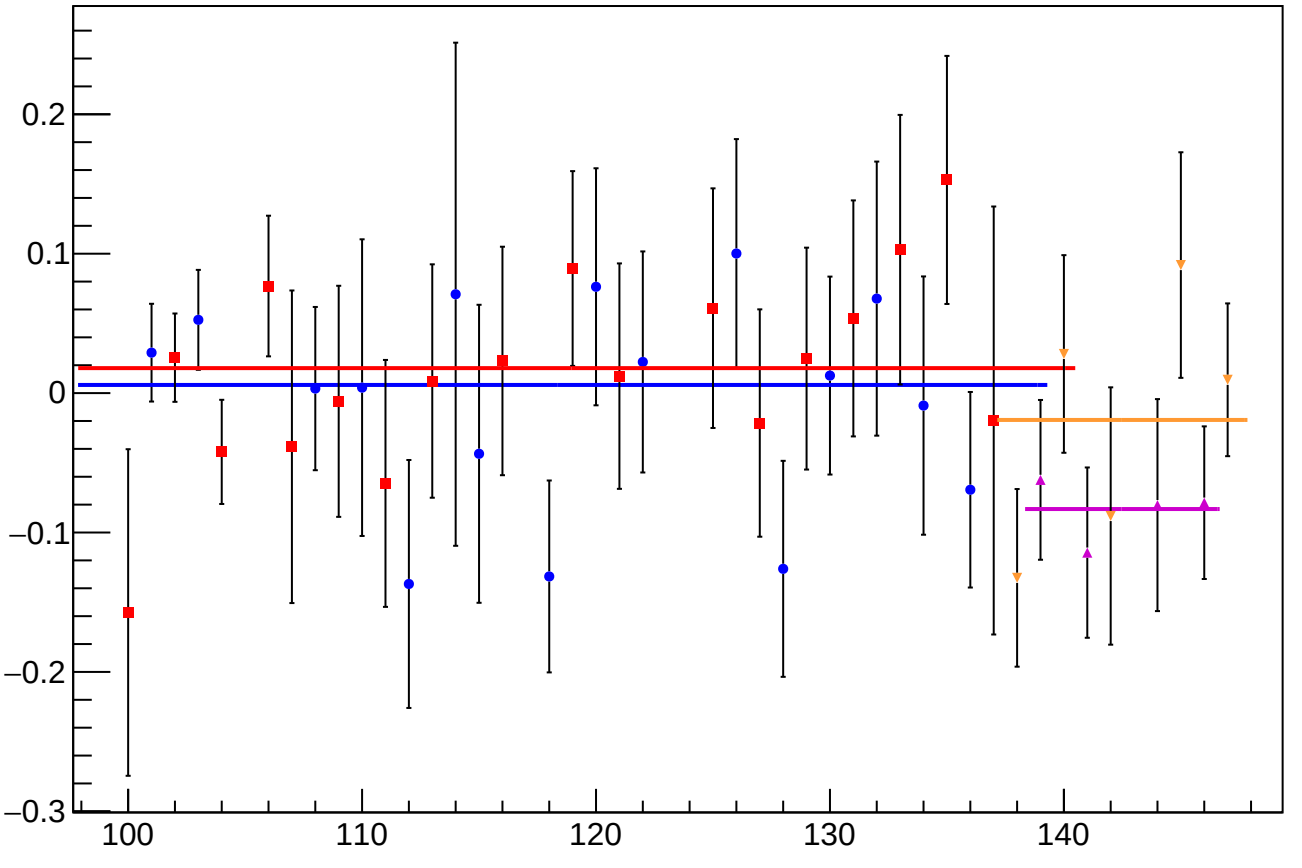
Left: 0.000+/-0.000 χ^2/NDF: 752988.6/8

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

In: 0.000+/-0.000 χ^2/NDF:2246271.7/19

Out: 0.000+/-0.000 χ^2/NDF:3930049.1/22

All: 0.000+/-0.000 χ^2/NDF: 6545812.2/42



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

Left Out: -0.019+/-0.031 χ^2/NDF:6.3/4

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

Left In: -0.083+/-0.030 χ^2/NDF:0.4/3

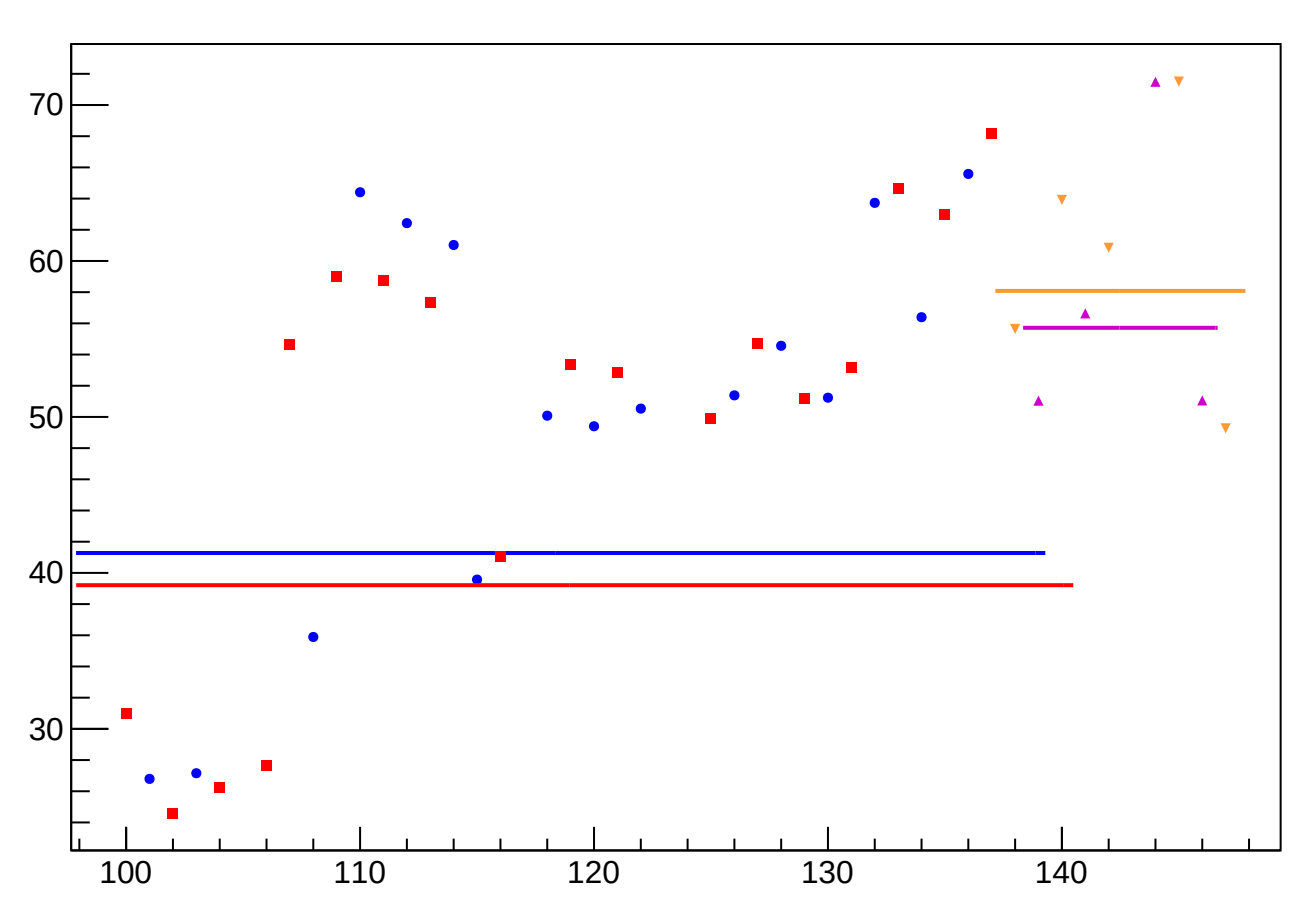
Left: -0.052+/-0.022 χ^2/NDF: 8.9/8

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.015 χ^2/NDF:22.6/19

Out: 0.010+/-0.014 χ^2/NDF:19.8/22

All: -0.002+/-0.010 χ^2/NDF: 43.9/42



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

Left Out: 58.082+/-0.022 χ^2/NDF:125061.6/4

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

Left In: 55.716+/-0.022 χ^2/NDF:114334.3/3

Left: 56.882+/-0.015 χ^2/NDF: 245350.3/8

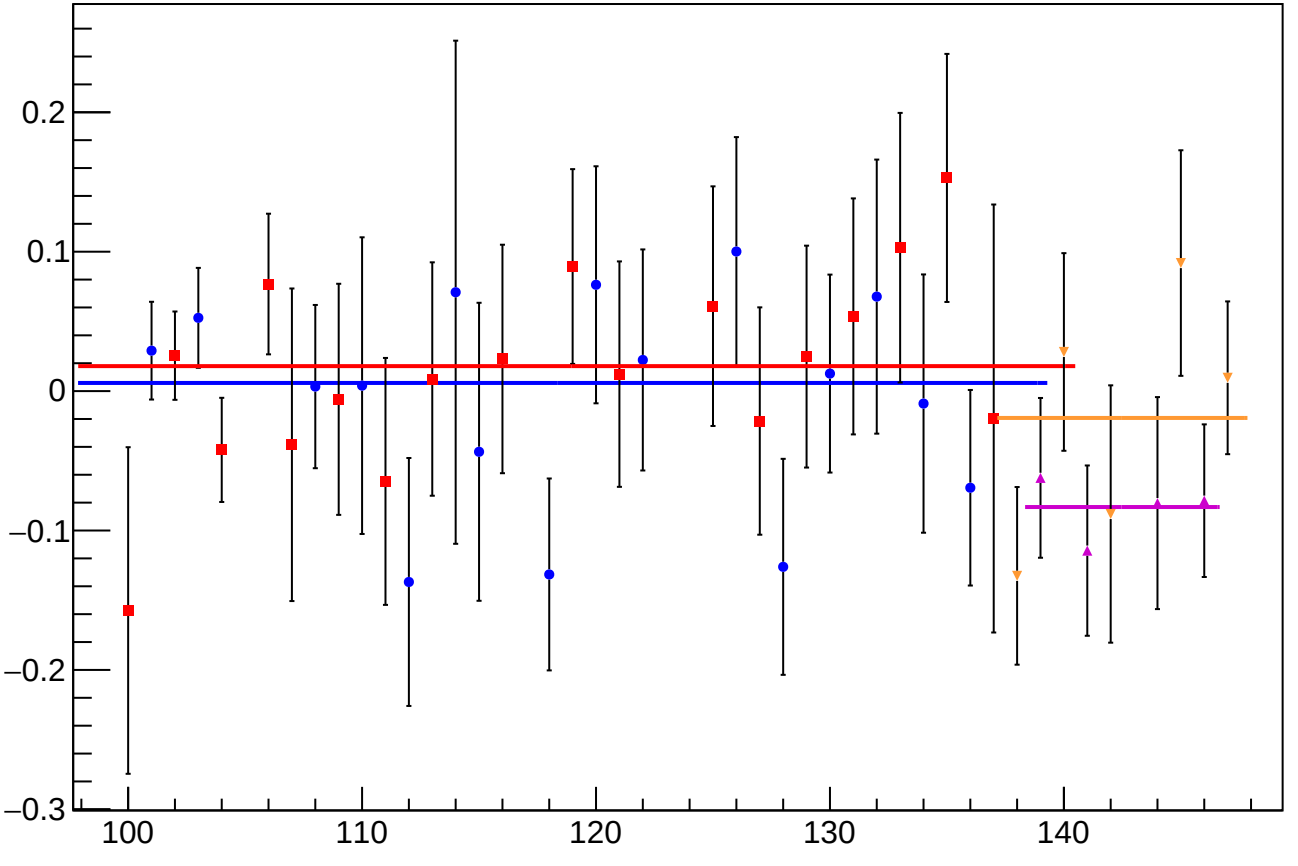
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 44.564+/-0.010 χ^2/NDF:1967144.3/19

Out: 43.101+/-0.010 χ^2/NDF:2537837.9/22

All: 43.806+/-0.007 χ^2/NDF: 4515482.8/42

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: -0.019+/-0.031 χ^2/NDF:6.3/4

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

Left In: -0.083+/-0.030 χ^2/NDF:0.4/3

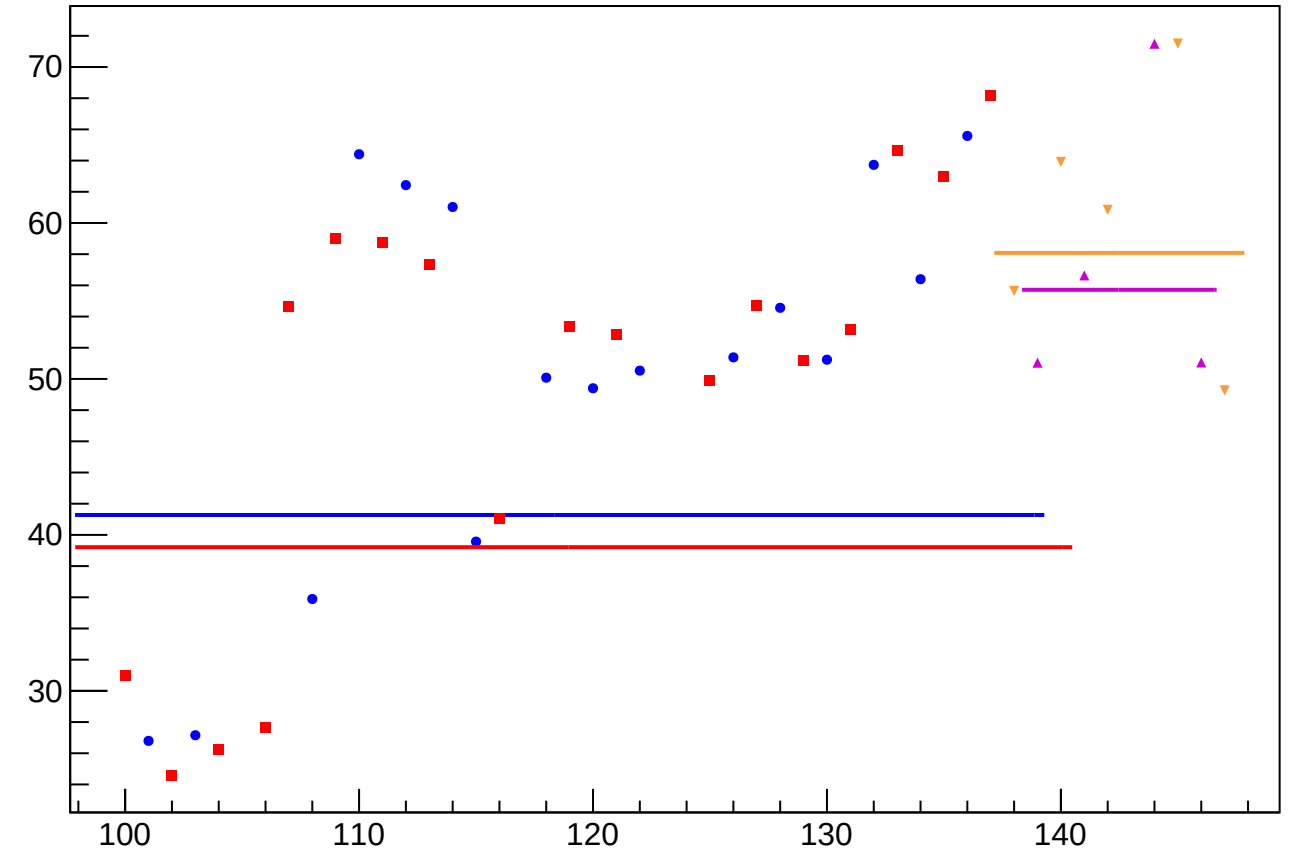
Left: -0.052+/-0.022 χ^2/NDF: 8.9/8

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.014+/-0.015 χ^2/NDF:22.6/19

Out: 0.010+/-0.014 χ^2/NDF:19.8/22

All: -0.002+/-0.010 χ^2/NDF: 43.9/42



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

Left Out: 58.082+/-0.022 χ^2/NDF:125061.6/4

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

Left In: 55.716+/-0.022 χ^2/NDF:114334.3/3

Left: 56.882+/-0.015 χ^2/NDF: 245350.3/8

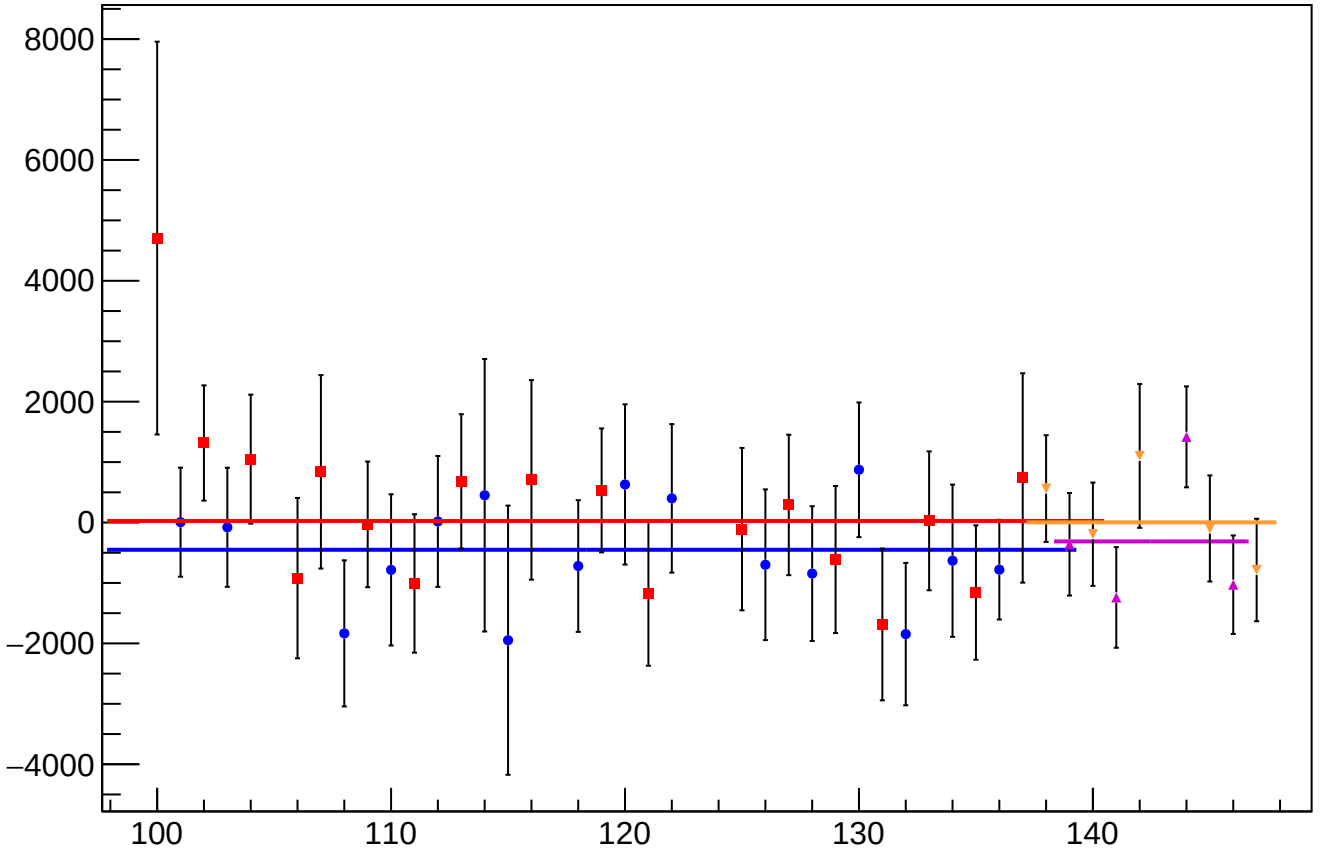
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 44.564+/-0.010 χ^2/NDF:1967144.3/19

Out: 43.101+/-0.010 χ^2/NDF:2537837.9/22

All: 43.806+/-0.007 χ^2/NDF: 4515482.8/42

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 2.638+/-406.713 χ^2/NDF:2.2/4

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

Left In: -312.528+/-416.306 χ^2/NDF:6.3/3

Left: -151.272+/-290.922 χ^2/NDF: 8.8/8

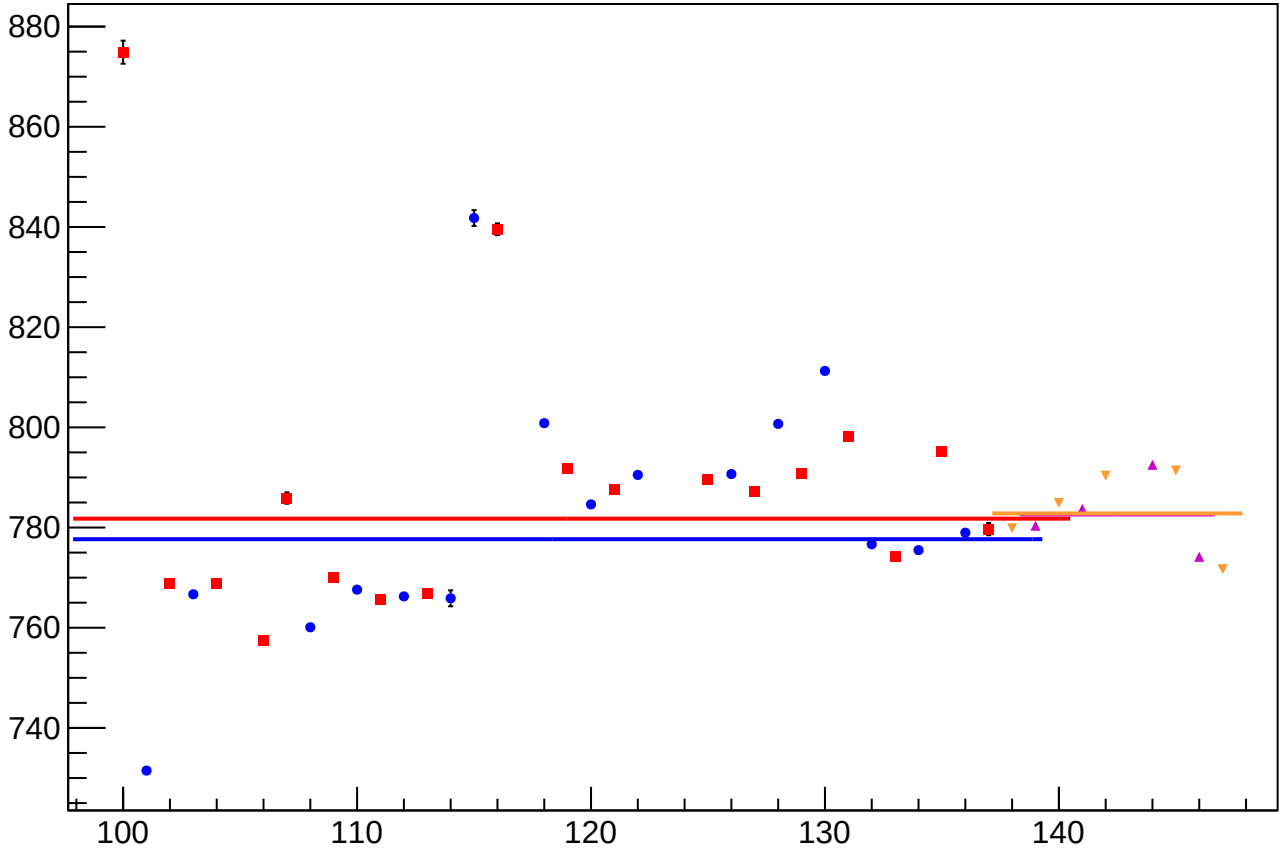
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -405.948+/-237.375 χ^2/NDF:13.3/19

Out: 18.261+/-235.082 χ^2/NDF:13.9/22

All: -191.785+/-167.033 χ^2/NDF: 28.8/42

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 782.815+/-0.288 χ^2/NDF:650.3/4

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

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

Left: 782.715+/-0.206 χ^2/NDF: 1165.2/8

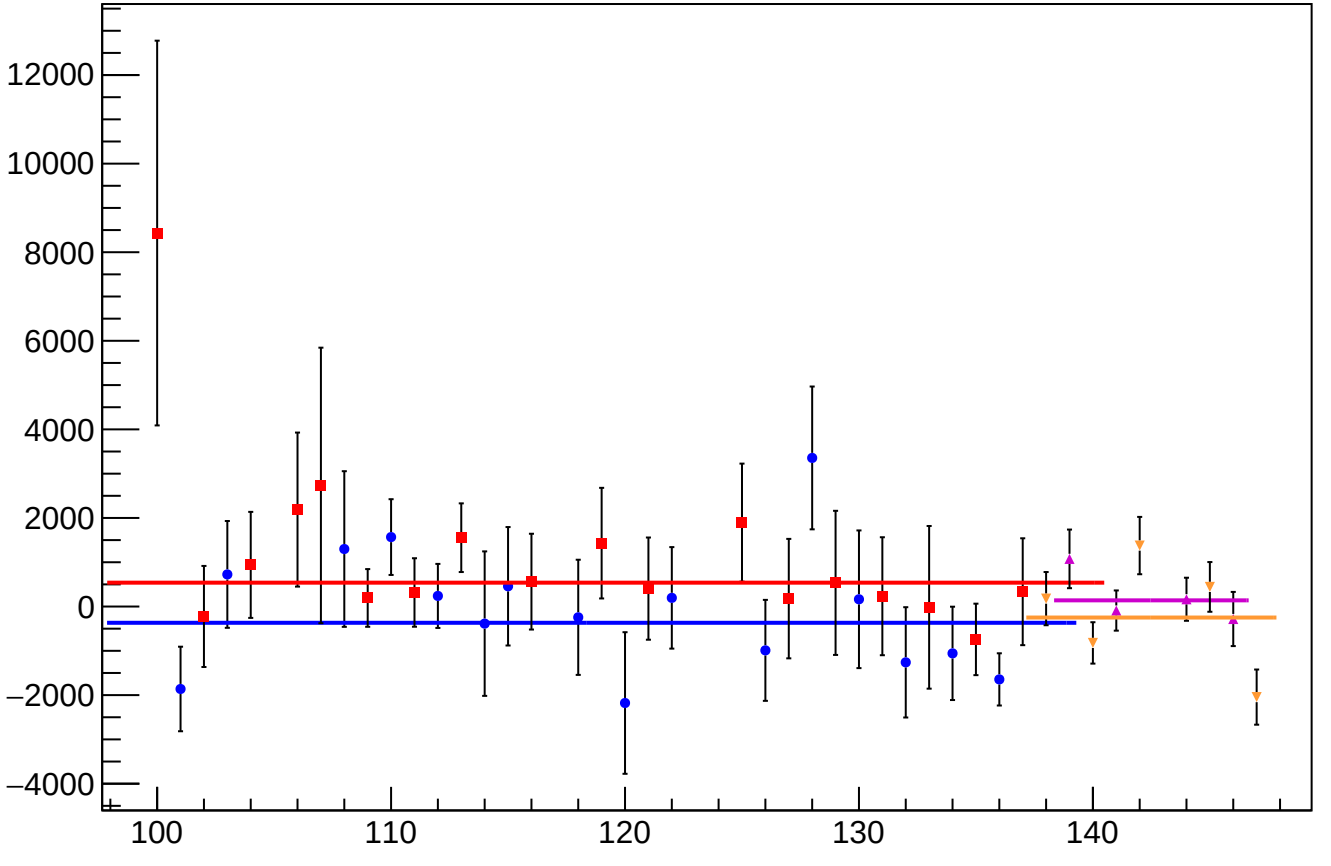
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 779.279+/-0.168 χ^2/NDF:12759.7/19

Out: 782.123+/-0.166 χ^2/NDF:8285.3/22

All: 780.715+/-0.118 χ^2/NDF: 21190.0/42

asym_us_dd_reg_correction_mean vs Slug, Sign Corrected



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

Left Out: -248.360+/-254.086 χ^2/NDF:18.1/4

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

Left In: 139.569+/-266.865 χ^2/NDF:2.7/3

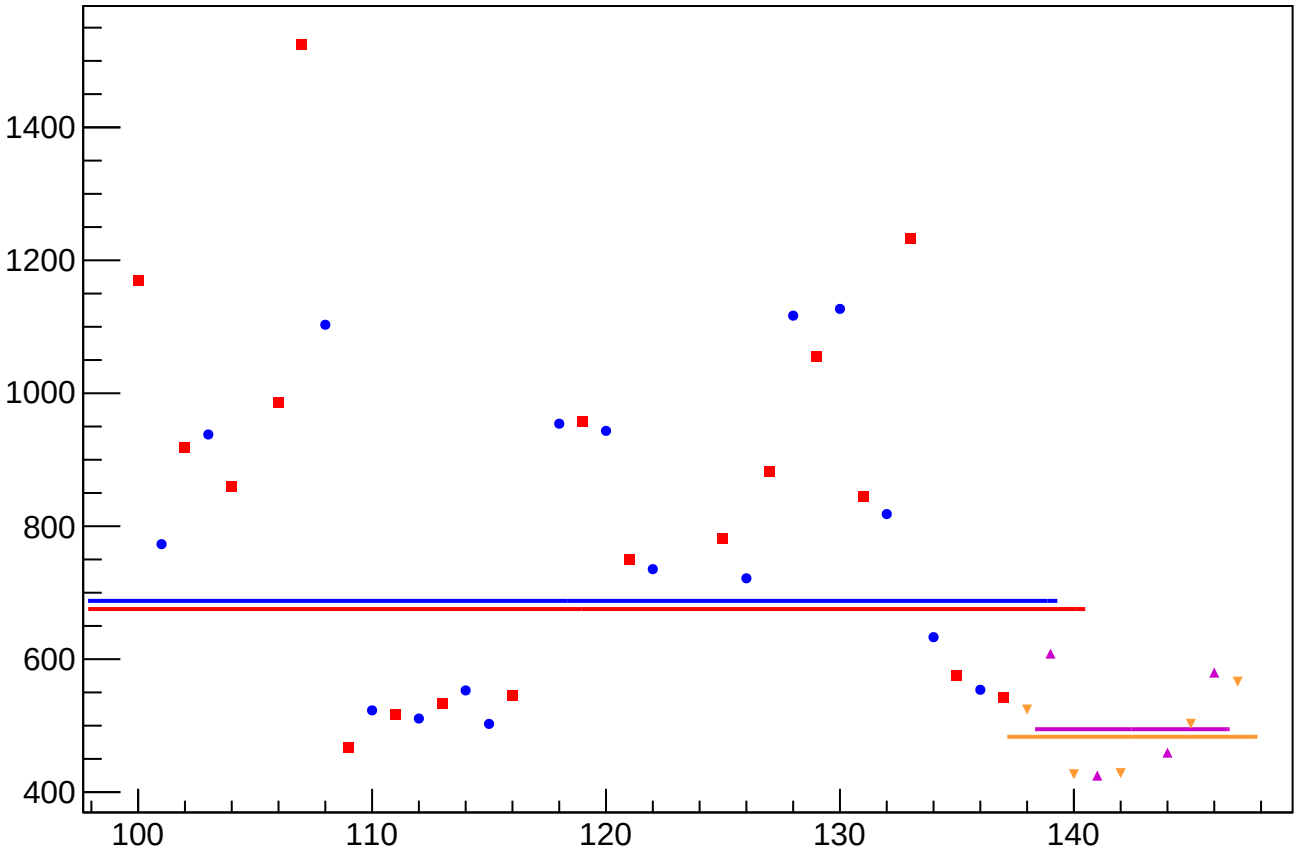
Left: -63.906+/-184.018 χ^2/NDF: 22.0/8

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

In: -113.878+/-188.643 χ^2/NDF:27.8/19

Out: 131.835+/-182.705 χ^2/NDF:34.5/22

All: 12.907+/-131.241 χ^2/NDF: 63.2/42



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

Left Out: 483.268+/-0.180 χ^2/NDF:90406.6/4

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

Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

Left: 488.694+/-0.130 χ^2/NDF: 248037.3/8

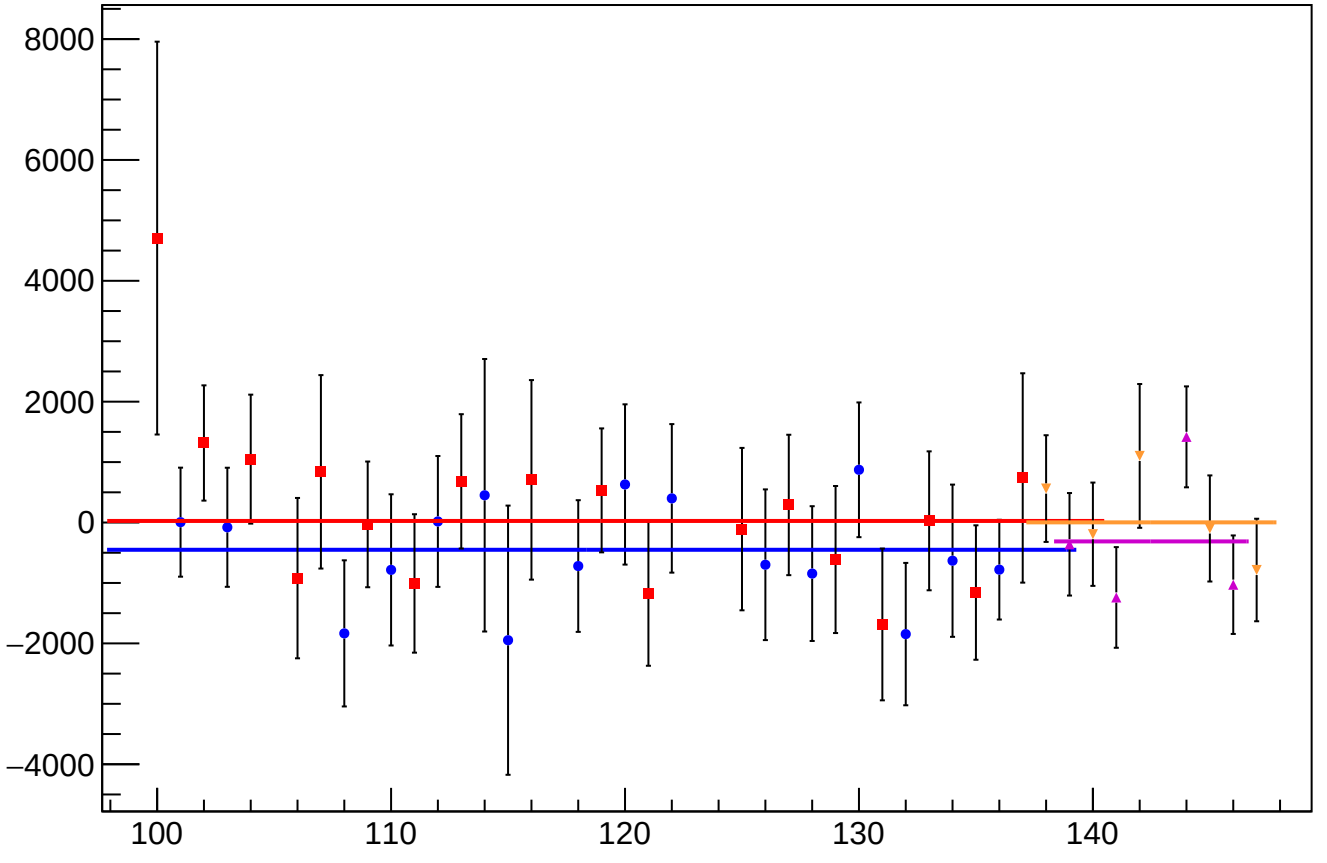
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 591.259+/-0.133 χ^2/NDF:1711181.6/19

Out: 576.061+/-0.129 χ^2/NDF:1955753.2/22

All: 583.417+/-0.093 χ^2/NDF: 3673632.6/42

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 2.638+/-406.713 χ^2/NDF:2.2/4

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

Left In: -312.528+/-416.306 χ^2/NDF:6.3/3

Left: -151.272+/-290.922 χ^2/NDF: 8.8/8

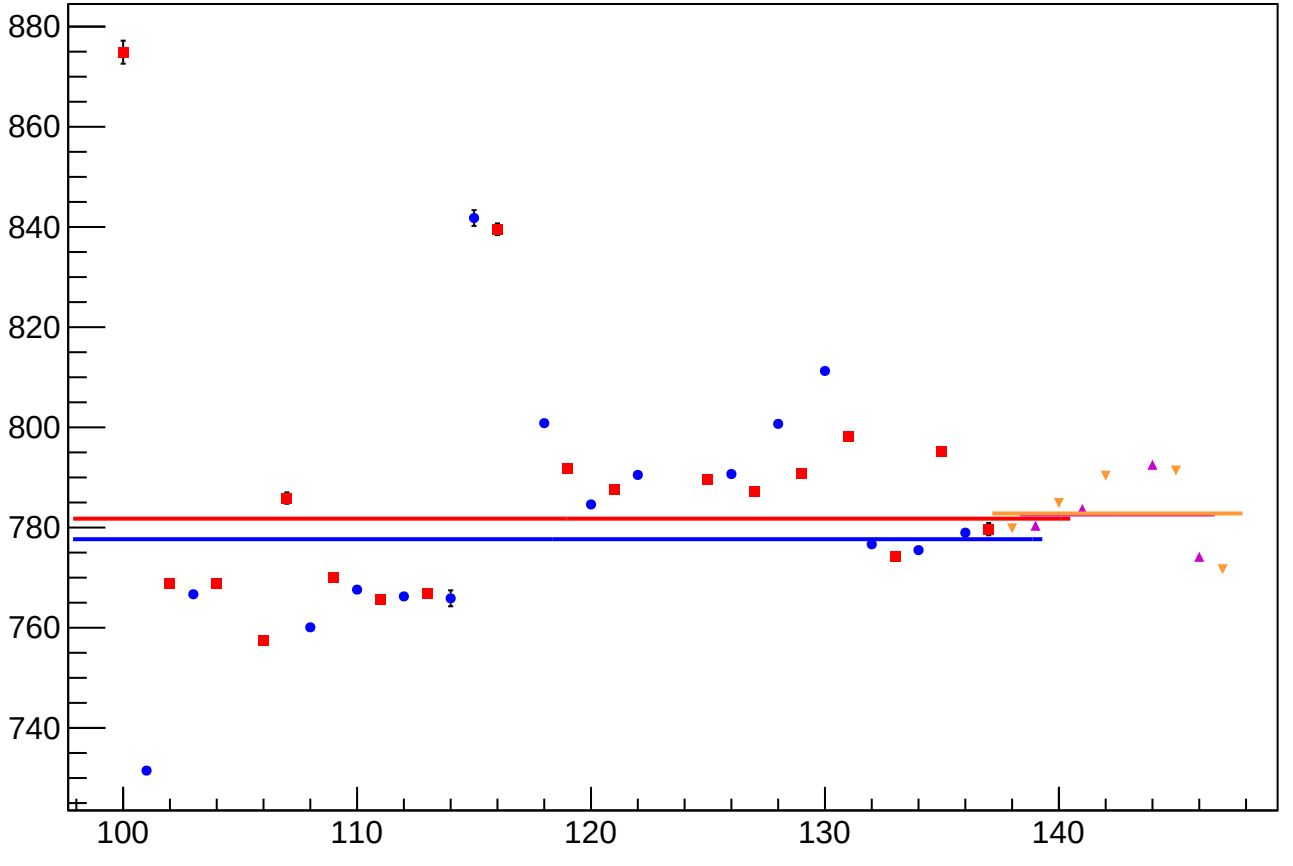
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -405.948+/-237.375 χ^2/NDF:13.3/19

Out: 18.261+/-235.082 χ^2/NDF:13.9/22

All: -191.785+/-167.033 χ^2/NDF: 28.8/42

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 782.815+/-0.288 χ^2/NDF:650.3/4

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

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

Left: 782.715+/-0.206 χ^2/NDF: 1165.2/8

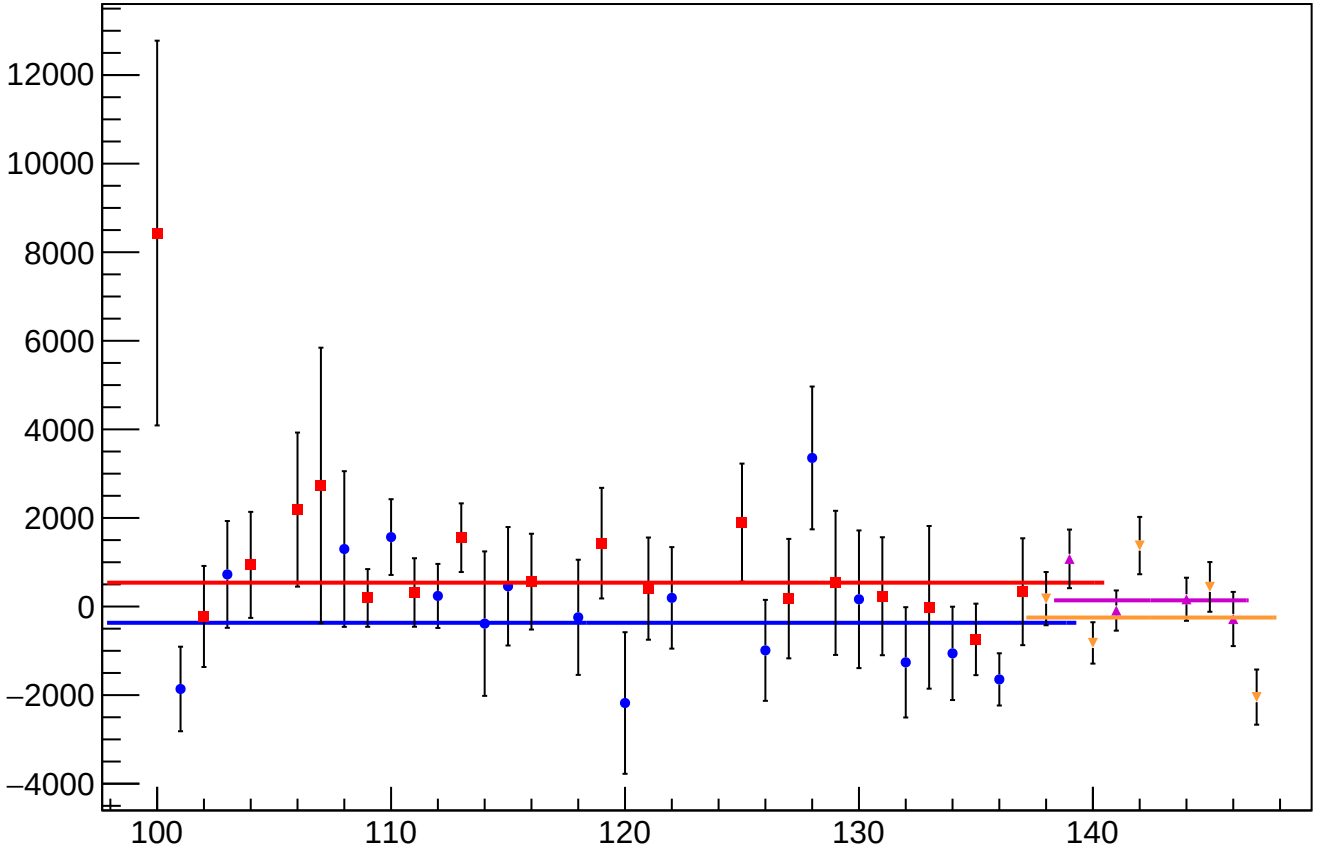
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 779.279+/-0.168 χ^2/NDF:12759.7/19

Out: 782.123+/-0.166 χ^2/NDF:8285.3/22

All: 780.715+/-0.118 χ^2/NDF: 21190.0/42

asym_us_dd_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -248.360+/-254.086 χ^2/NDF:18.1/4

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

Left In: 139.569+/-266.865 χ^2/NDF:2.7/3

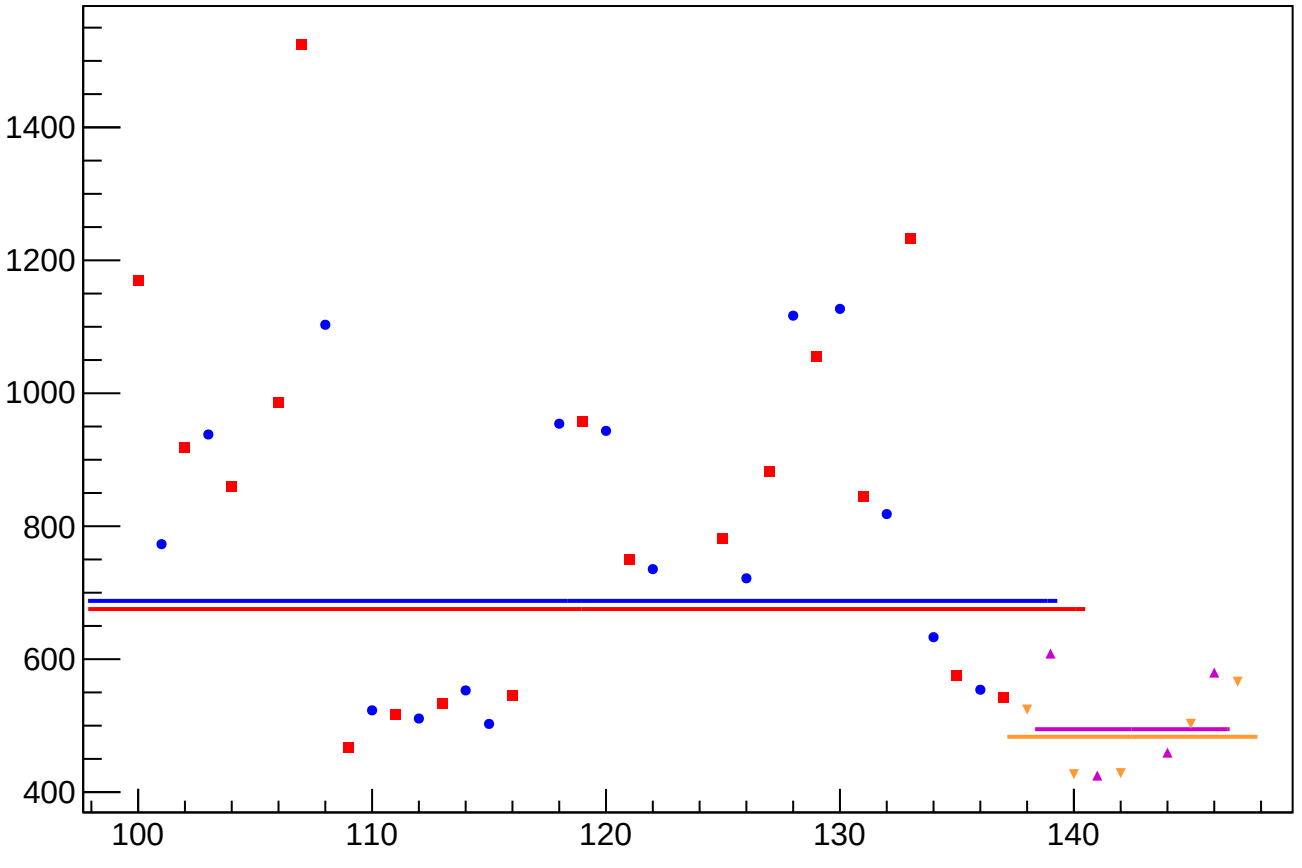
Left: -63.906+/-184.018 χ^2/NDF: 22.0/8

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

In: -113.878+/-188.643 χ^2/NDF:27.8/19

Out: 131.835+/-182.705 χ^2/NDF:34.5/22

All: 12.907+/-131.241 χ^2/NDF: 63.2/42



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

Left Out: 483.268+/-0.180 χ^2/NDF:90406.6/4

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

Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

Left: 488.694+/-0.130 χ^2/NDF: 248037.3/8

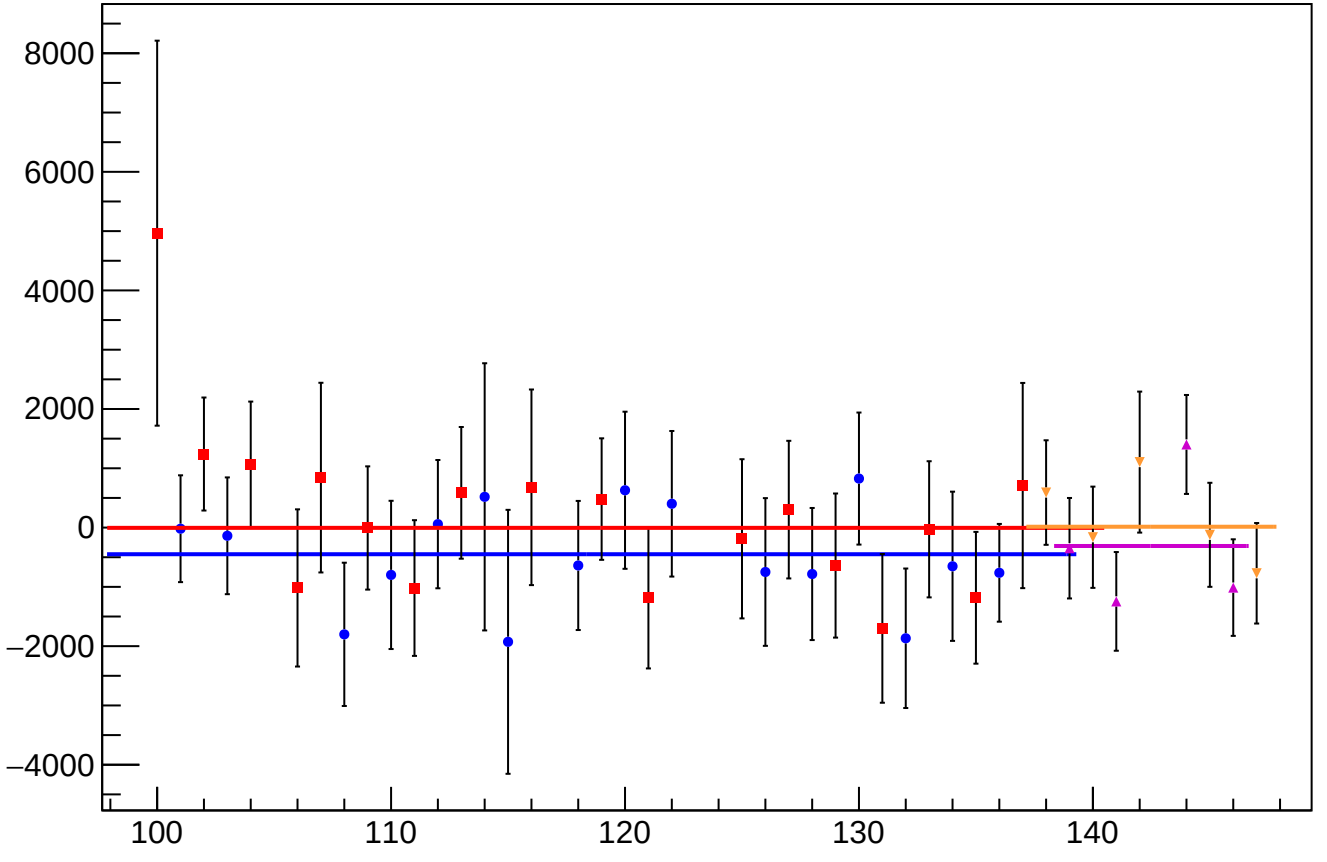
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 591.259+/-0.133 χ^2/NDF:1711181.6/19

Out: 576.061+/-0.129 χ^2/NDF:1955753.2/22

All: 583.417+/-0.093 χ^2/NDF: 3673632.6/42

overload_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 14.245+/-406.343 χ^2/NDF:2.2/4

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

Left In: -310.554+/-415.975 χ^2/NDF:6.2/3

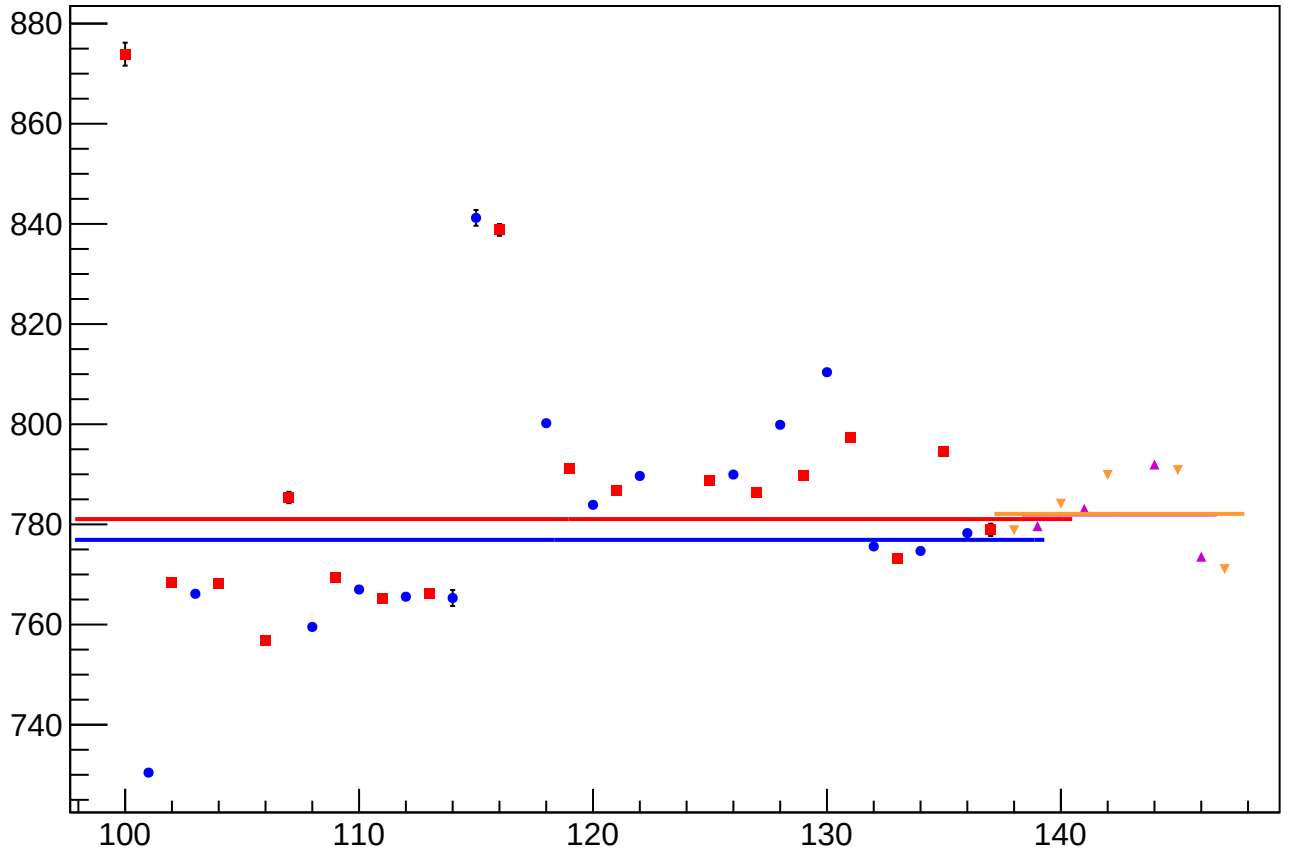
Left: -144.351+/-290.673 χ^2/NDF: 8.7/8

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

In: -404.290+/-237.158 χ^2/NDF:13.0/19

Out: 1.666+/-234.867 χ^2/NDF:14.0/22

All: -199.342+/-166.880 χ^2/NDF: 28.6/42



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

Left Out: 782.103+/-0.287 χ^2/NDF:661.5/4

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

Left In: 781.987+/-0.294 χ^2/NDF:518.5/3

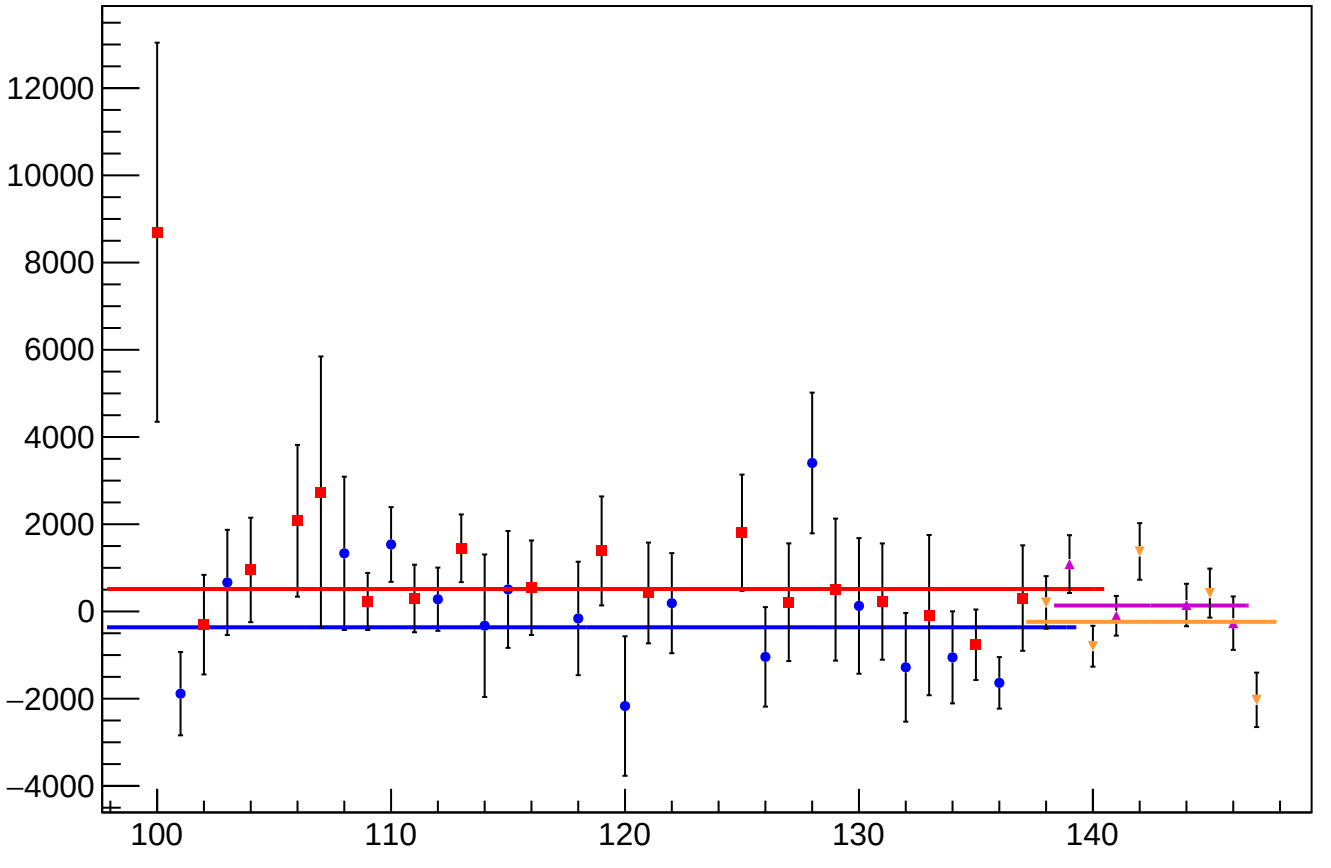
Left: 782.046+/-0.206 χ^2/NDF: 1180.0/8

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

In: 778.562+/-0.168 χ^2/NDF:12842.9/19

Out: 781.409+/-0.166 χ^2/NDF:8256.0/22

All: 779.999+/-0.118 χ^2/NDF: 21244.4/42



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

Left Out: -237.591+/-254.718 χ^2/NDF:17.7/4

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

Left In: 135.982+/-267.417 χ^2/NDF:2.8/3

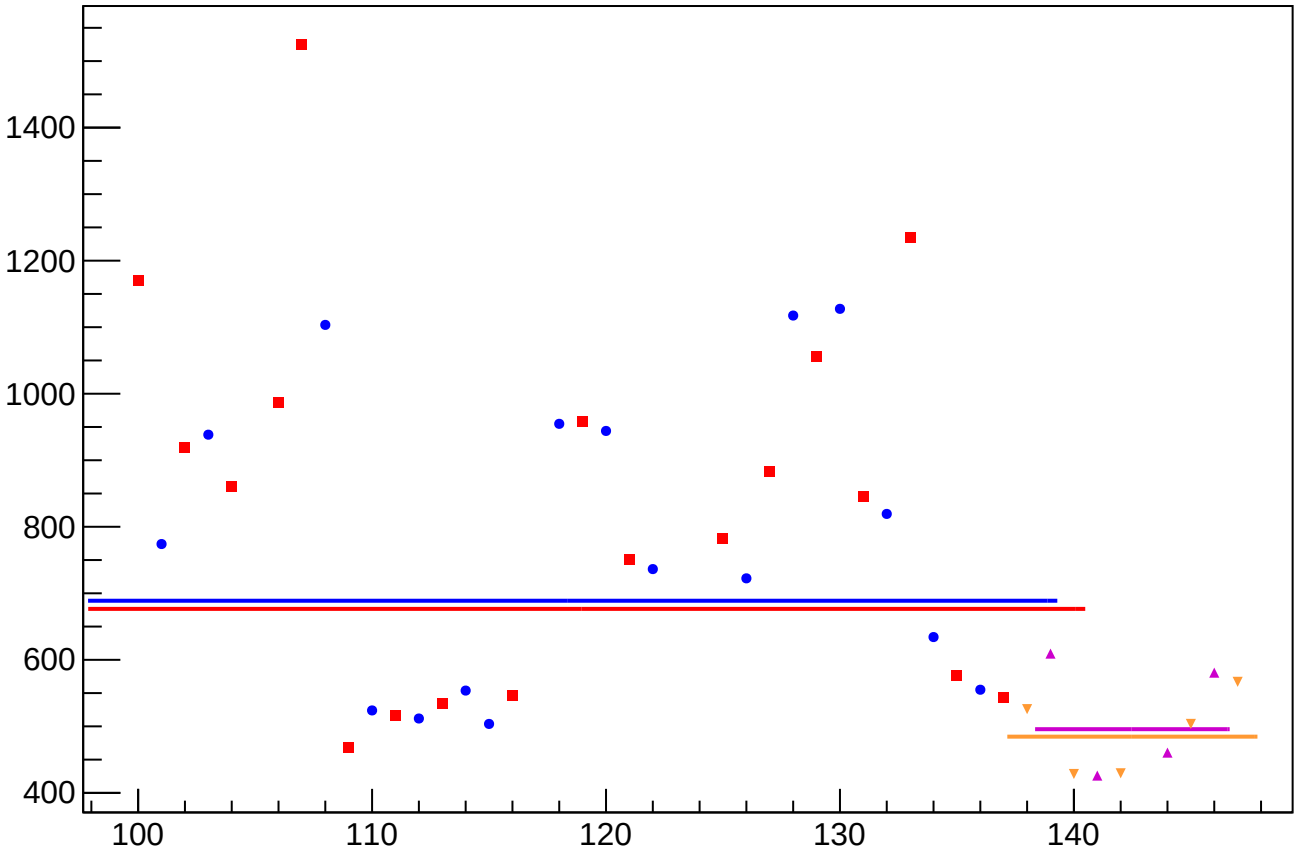
Left: -59.885+/-184.439 χ^2/NDF: 21.5/8

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

In: -113.724+/-188.975 χ^2/NDF:27.9/19

Out: 126.380+/-183.072 χ^2/NDF:33.4/22

All: 10.137+/-131.489 χ^2/NDF: 62.1/42



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

Left Out: 484.523+/-0.180 χ^2/NDF:89709.3/4

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

Left In: 495.750+/-0.189 χ^2/NDF:154724.6/3

Left: 489.864+/-0.130 χ^2/NDF: 246282.4/8

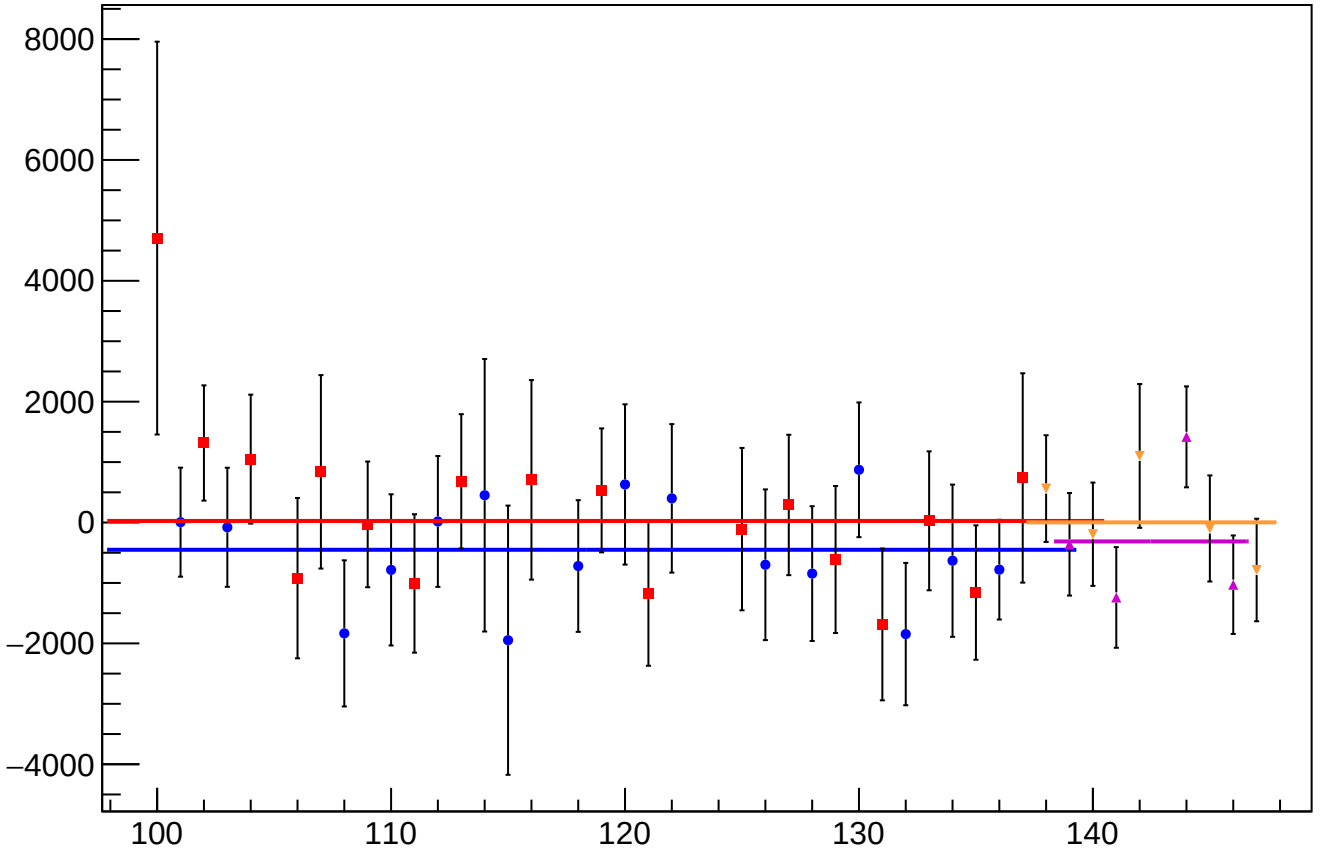
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 592.409+/-0.134 χ^2/NDF:1704789.0/19

Out: 577.366+/-0.129 χ^2/NDF:1947379.4/22

All: 584.649+/-0.093 χ^2/NDF: 3658706.4/42

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 2.638+/-406.713 χ^2/NDF:2.2/4

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

Left In: -312.528+/-416.306 χ^2/NDF:6.3/3

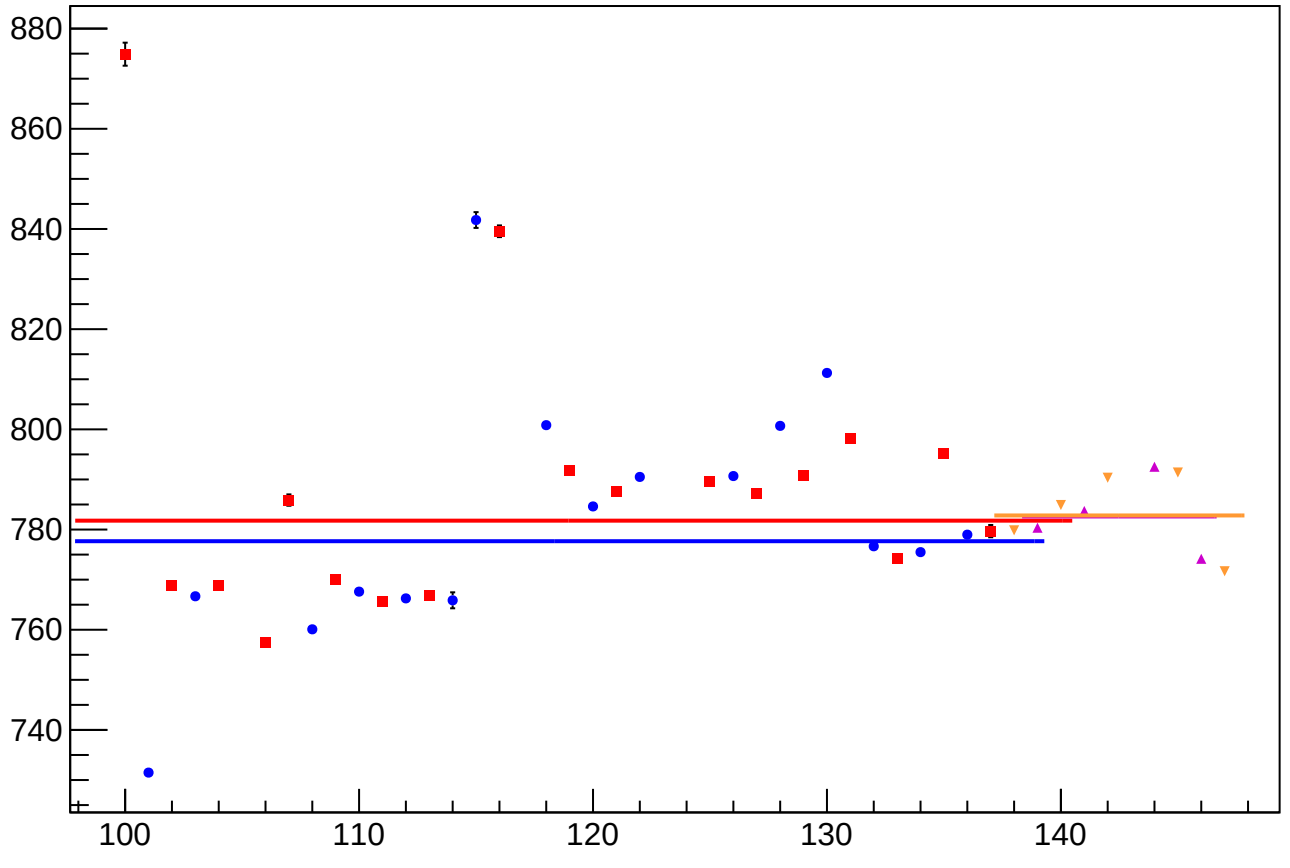
Left: -151.272+/-290.922 χ^2/NDF: 8.8/8

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

In: -405.948+/-237.375 χ^2/NDF:13.3/19

Out: 18.261+/-235.082 χ^2/NDF:13.9/22

All: -191.785+/-167.033 χ^2/NDF: 28.8/42



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

Left Out: 782.815+/-0.288 χ^2/NDF:650.3/4

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

Left In: 782.610+/-0.294 χ^2/NDF:514.6/3

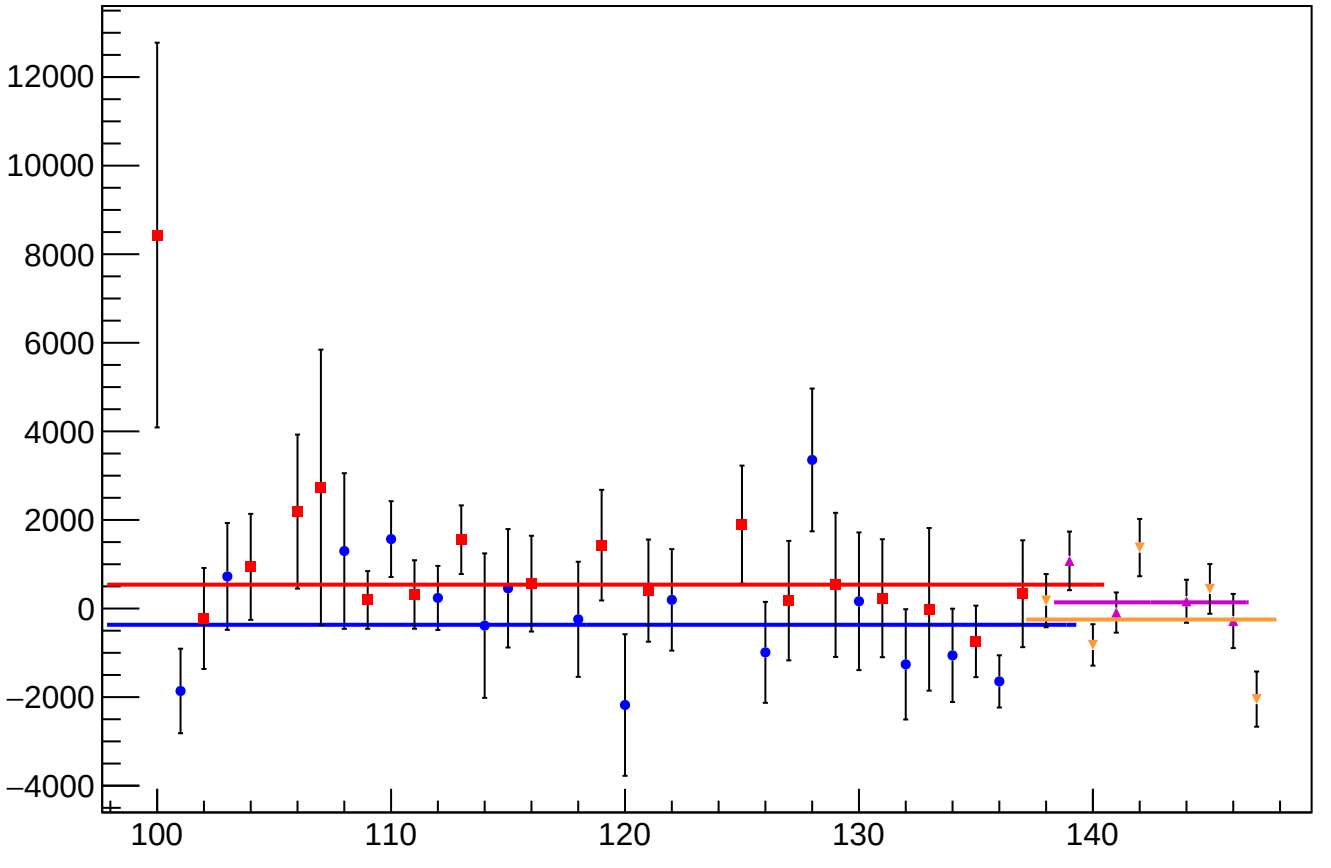
Left: 782.715+/-0.206 χ^2/NDF: 1165.2/8

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

In: 779.279+/-0.168 χ^2/NDF:12759.7/19

Out: 782.123+/-0.166 χ^2/NDF:8285.3/22

All: 780.715+/-0.118 χ^2/NDF: 21190.0/42



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

Left Out: -248.360+/-254.086 χ^2/NDF:18.1/4

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

Left In: 139.569+/-266.865 χ^2/NDF:2.7/3

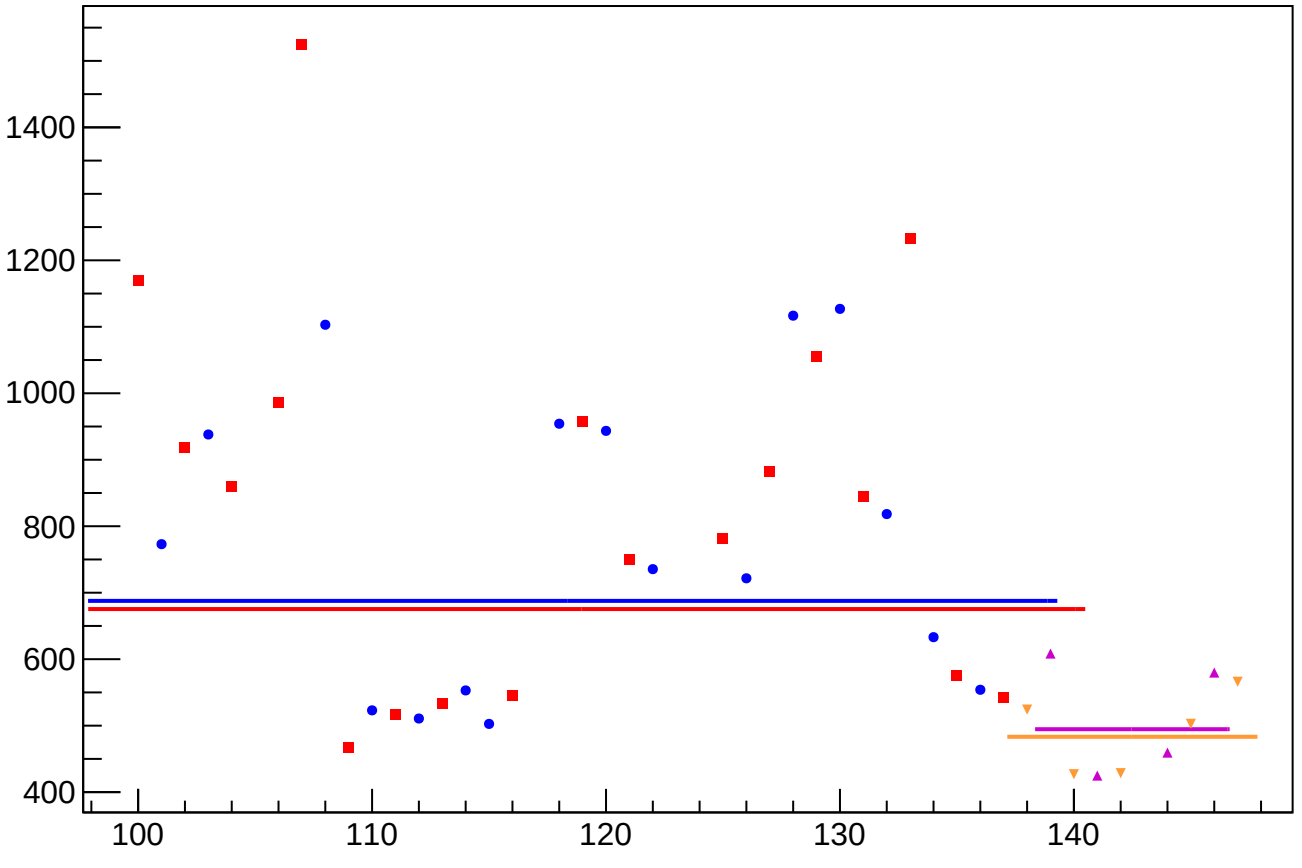
Left: -63.906+/-184.018 χ^2/NDF: 22.0/8

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

In: -113.878+/-188.643 χ^2/NDF:27.8/19

Out: 131.835+/-182.705 χ^2/NDF:34.5/22

All: 12.907+/-131.241 χ^2/NDF: 63.2/42



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

Left Out: 483.268+/-0.180 χ^2/NDF:90406.6/4

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

Left In: 494.680+/-0.189 χ^2/NDF:155712.3/3

Left: 488.694+/-0.130 χ^2/NDF: 248037.3/8

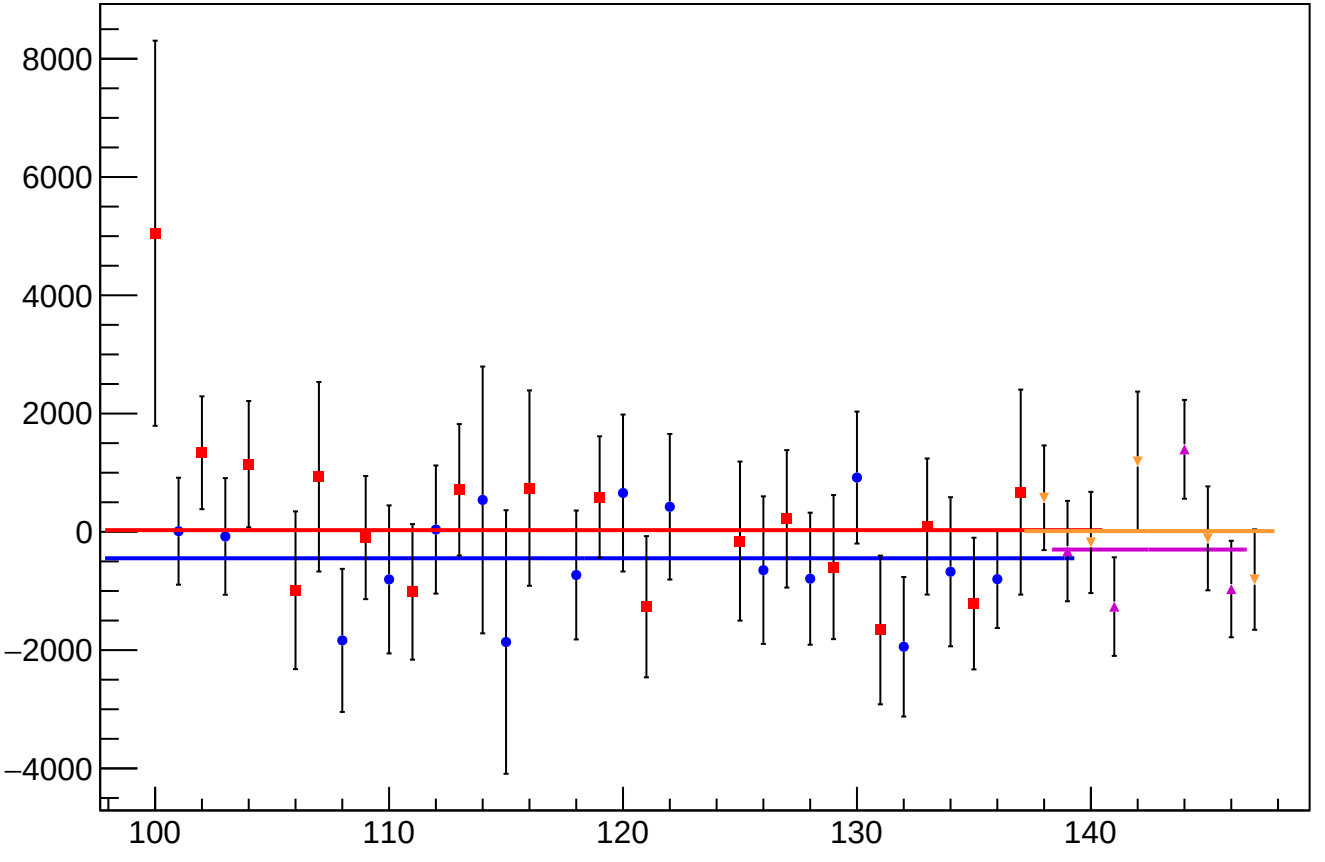
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 591.259+/-0.133 χ^2/NDF:1711181.6/19

Out: 576.061+/-0.129 χ^2/NDF:1955753.2/22

All: 583.417+/-0.093 χ^2/NDF: 3673632.6/42

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 12.703+/-406.945 χ^2/NDF:2.4/4

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

Left In: -299.554+/-416.684 χ^2/NDF:6.1/3

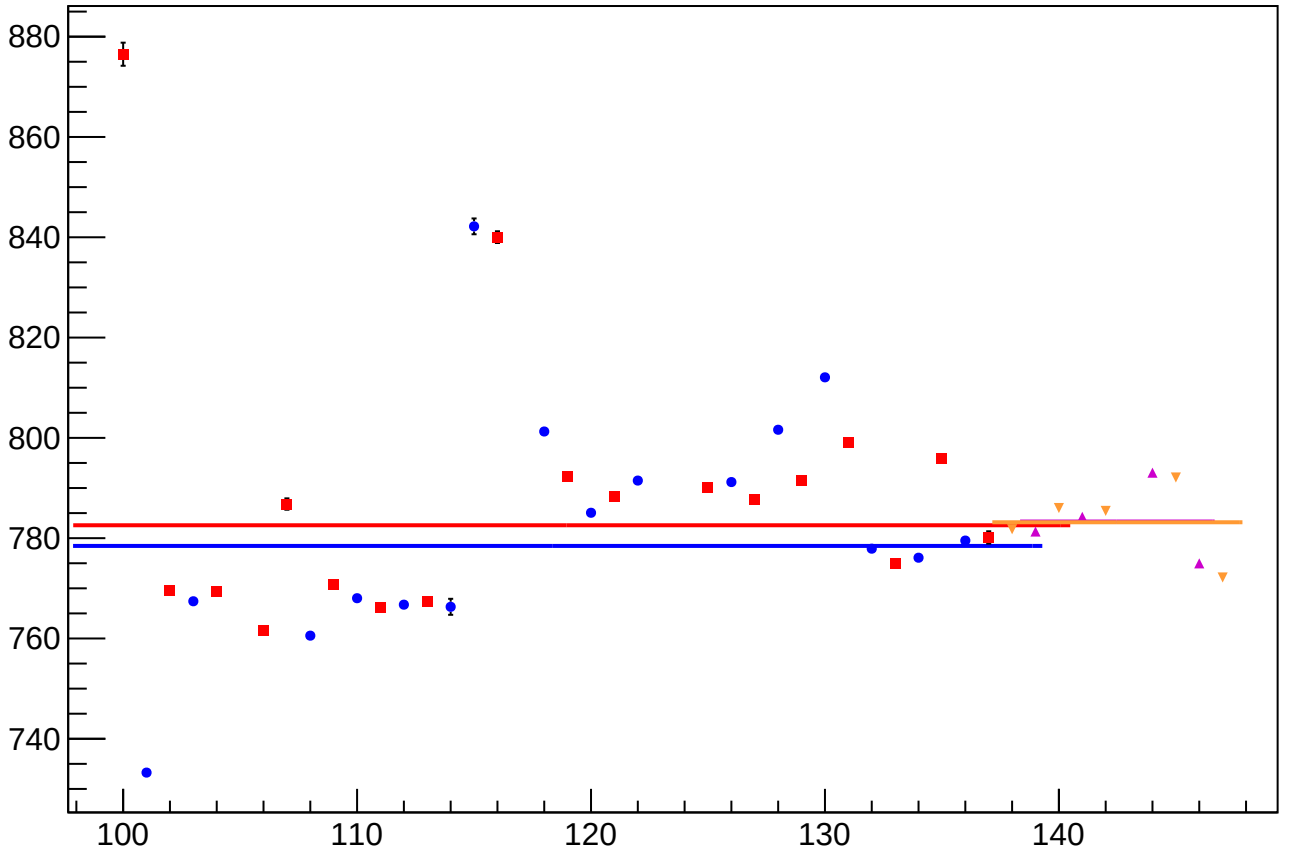
Left: -139.734+/-291.136 χ^2/NDF: 8.8/8

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

In: -398.826+/-237.605 χ^2/NDF:13.5/19

Out: 23.410+/-235.286 χ^2/NDF:15.0/22

All: -185.637+/-167.186 χ^2/NDF: 30.1/42



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

Left Out: 783.173+/-0.288 χ^2/NDF:577.0/4

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

Left In: 783.321+/-0.295 χ^2/NDF:494.2/3

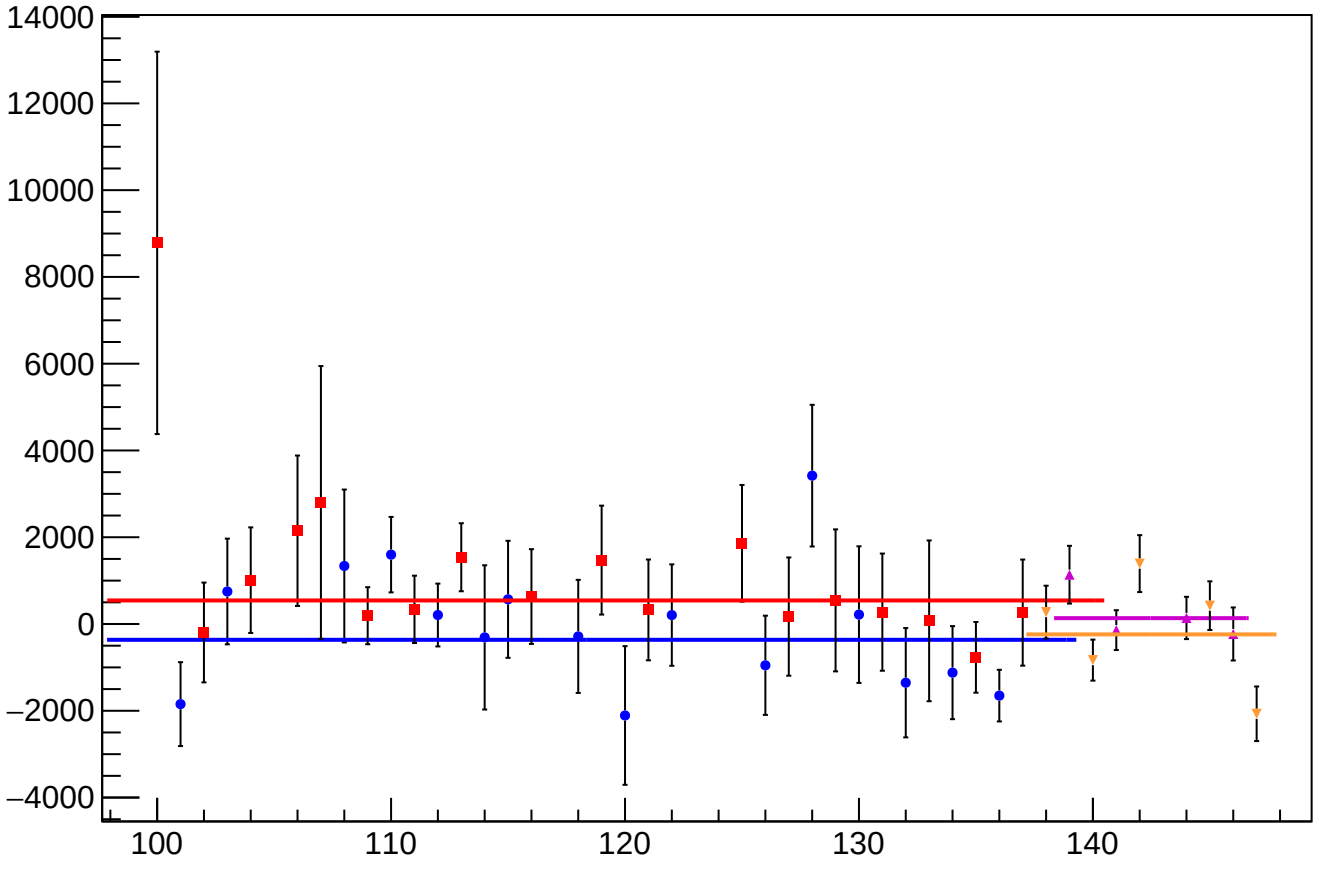
Left: 783.245+/-0.206 χ^2/NDF: 1071.4/8

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

In: 780.038+/-0.168 χ^2/NDF:12473.5/19

Out: 782.775+/-0.166 χ^2/NDF:8061.3/22

All: 781.420+/-0.118 χ^2/NDF: 20668.8/42



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

Left Out: -239.391+/-256.531 χ^2/NDF:18.3/4

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

Left In: 134.881+/-268.295 χ^2/NDF:3.0/3

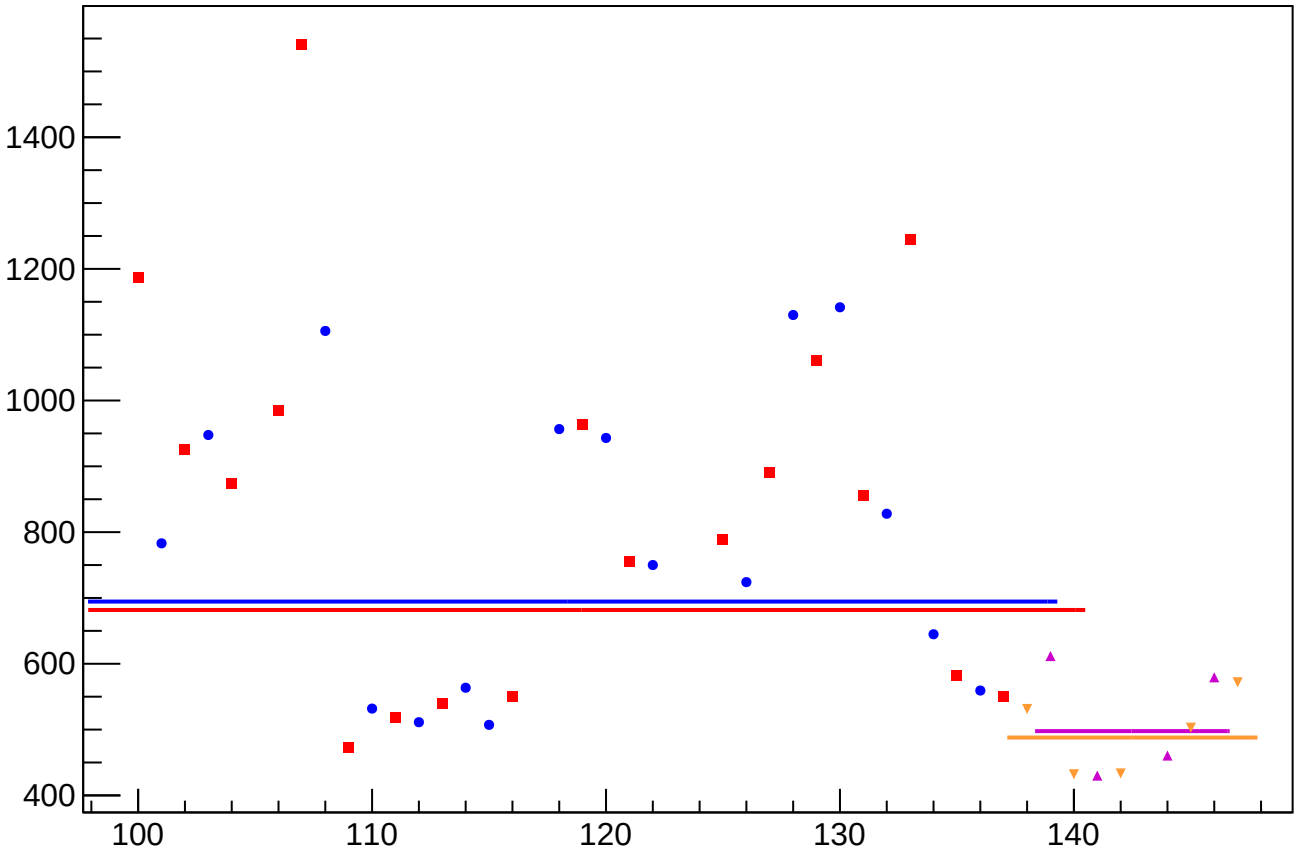
Left: -60.639+/-185.414 χ^2/NDF: 22.3/8

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

In: -113.601+/-190.073 χ^2/NDF:28.0/19

Out: 138.642+/-184.408 χ^2/NDF:34.6/22

All: 16.336+/-132.354 χ^2/NDF: 63.5/42



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

Left Out: 487.922+/-0.181 χ^2/NDF:88881.4/4

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

Left In: 497.675+/-0.190 χ^2/NDF:149514.8/3

Left: 492.580+/-0.131 χ^2/NDF: 239776.8/8

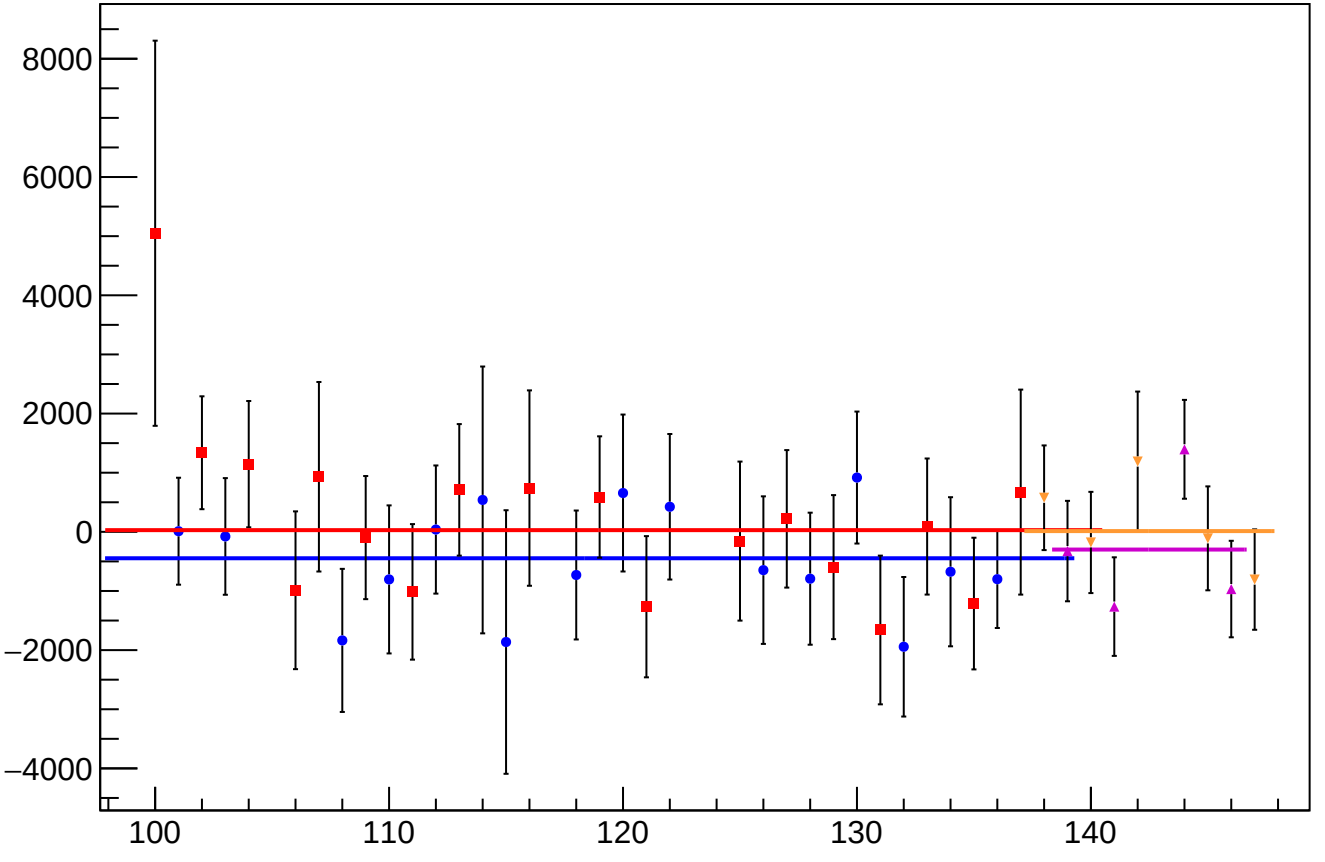
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

In: 595.725+/-0.134 χ^2/NDF:1715669.9/19

Out: 581.587+/-0.130 χ^2/NDF:1951933.2/22

All: 588.442+/-0.094 χ^2/NDF: 3673303.1/42

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 12.701+/-406.945 χ^2/NDF:2.4/4

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

Left In: -299.552+/-416.684 χ^2/NDF:6.1/3

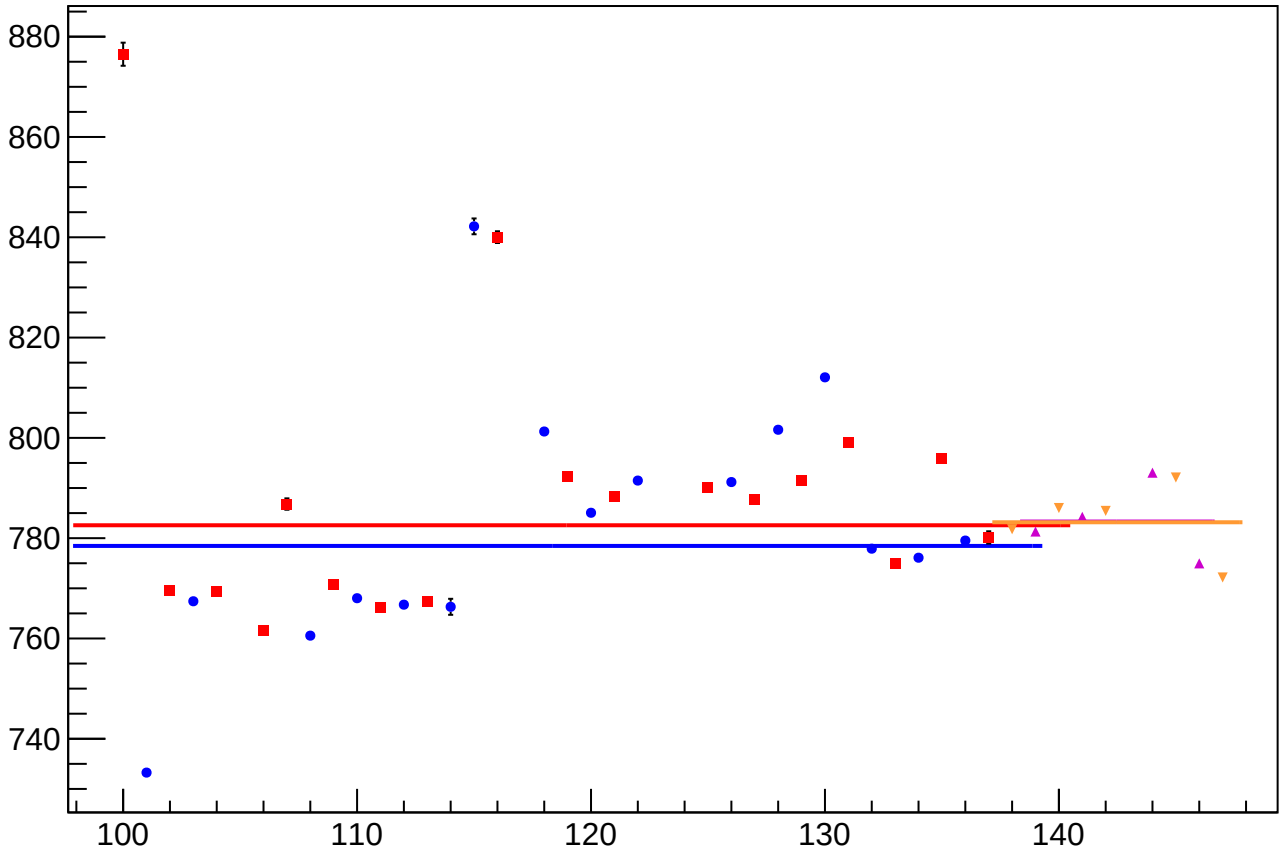
Left: -139.734+/-291.136 χ^2/NDF: 8.8/8

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

In: -398.825+/-237.605 χ^2/NDF:13.5/19

Out: 23.409+/-235.286 χ^2/NDF:15.0/22

All: -185.638+/-167.186 χ^2/NDF: 30.1/42



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

Left Out: 783.173+/-0.288 χ^2/NDF:577.0/4

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

Left In: 783.321+/-0.295 χ^2/NDF:494.2/3

Left: 783.245+/-0.206 χ^2/NDF: 1071.4/8

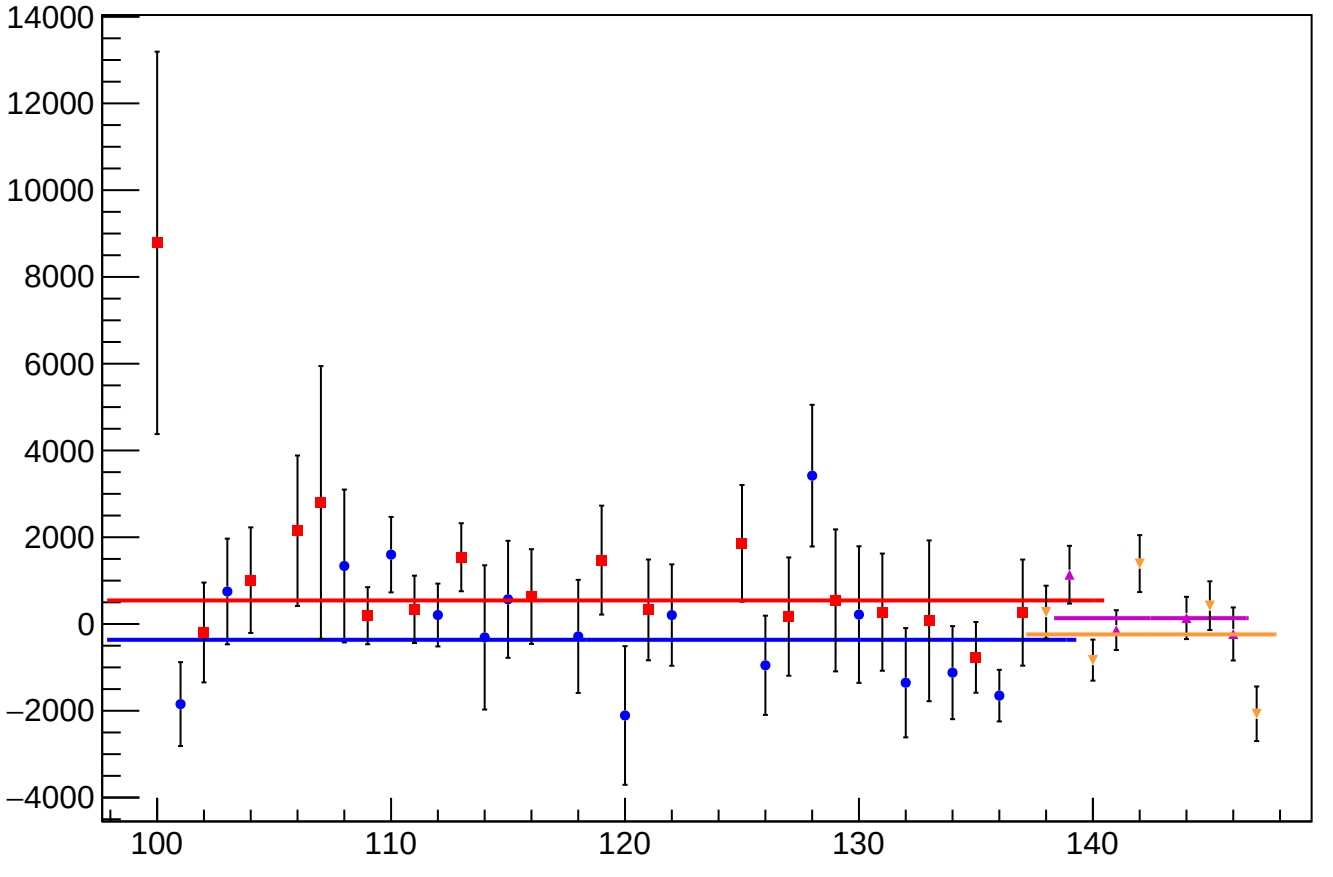
Right: 780.522+/-0.144 χ^2/NDF: 19480.0/33

In: 780.038+/-0.168 χ^2/NDF:12473.4/19

Out: 782.775+/-0.166 χ^2/NDF:8061.3/22

All: 781.420+/-0.118 χ^2/NDF: 20668.7/42

asym_us_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -239.391+/-256.531 χ^2/NDF:18.3/4

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

Left In: 134.879+/-268.294 χ^2/NDF:3.0/3

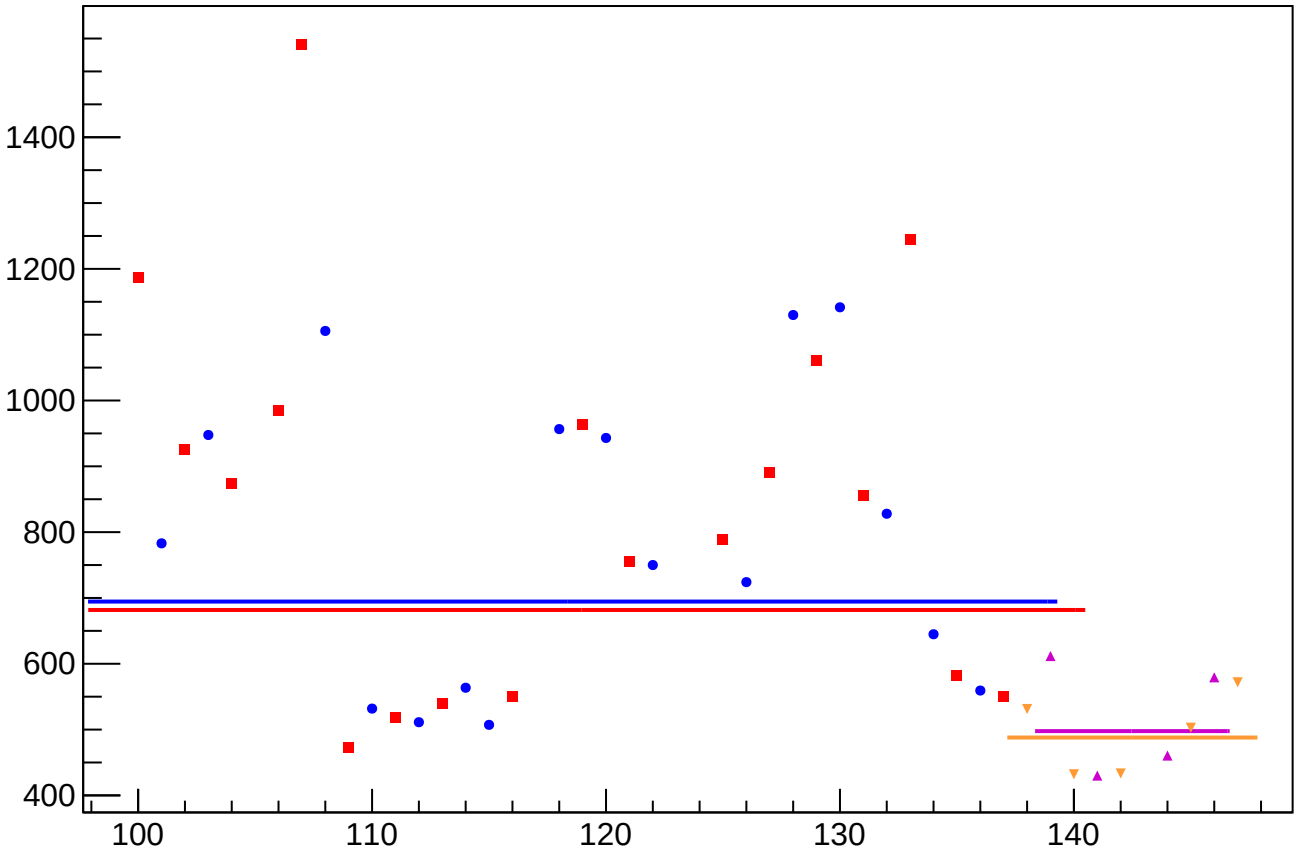
Left: -60.641+/-185.414 χ^2/NDF: 22.3/8

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

In: -113.600+/-190.072 χ^2/NDF:28.0/19

Out: 138.643+/-184.408 χ^2/NDF:34.6/22

All: 16.336+/-132.353 χ^2/NDF: 63.5/42



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

Left Out: 487.922+/-0.181 χ^2/NDF:88887.2/4

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

Left In: 497.674+/-0.190 χ^2/NDF:149521.7/3

Left: 492.579+/-0.131 χ^2/NDF: 239789.4/8

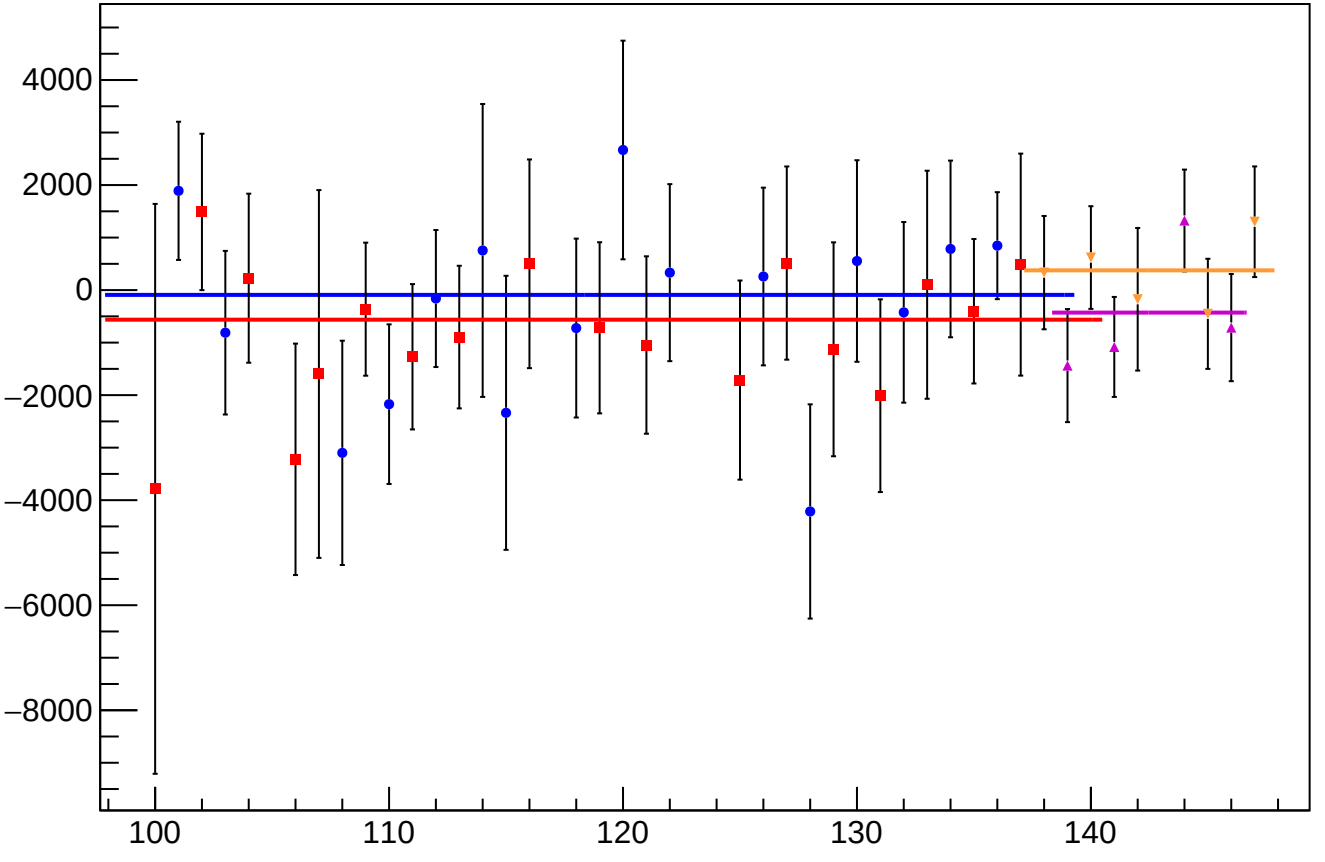
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 595.723+/-0.134 χ^2/NDF:1715675.7/19

Out: 581.585+/-0.130 χ^2/NDF:1951946.4/22

All: 588.440+/-0.094 χ^2/NDF: 3673322.0/42

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 375.837+/-484.584 χ^2/NDF:1.6/4

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

Left In: -428.502+/-500.616 χ^2/NDF:4.7/3

Left: -13.247+/-348.183 χ^2/NDF: 7.7/8

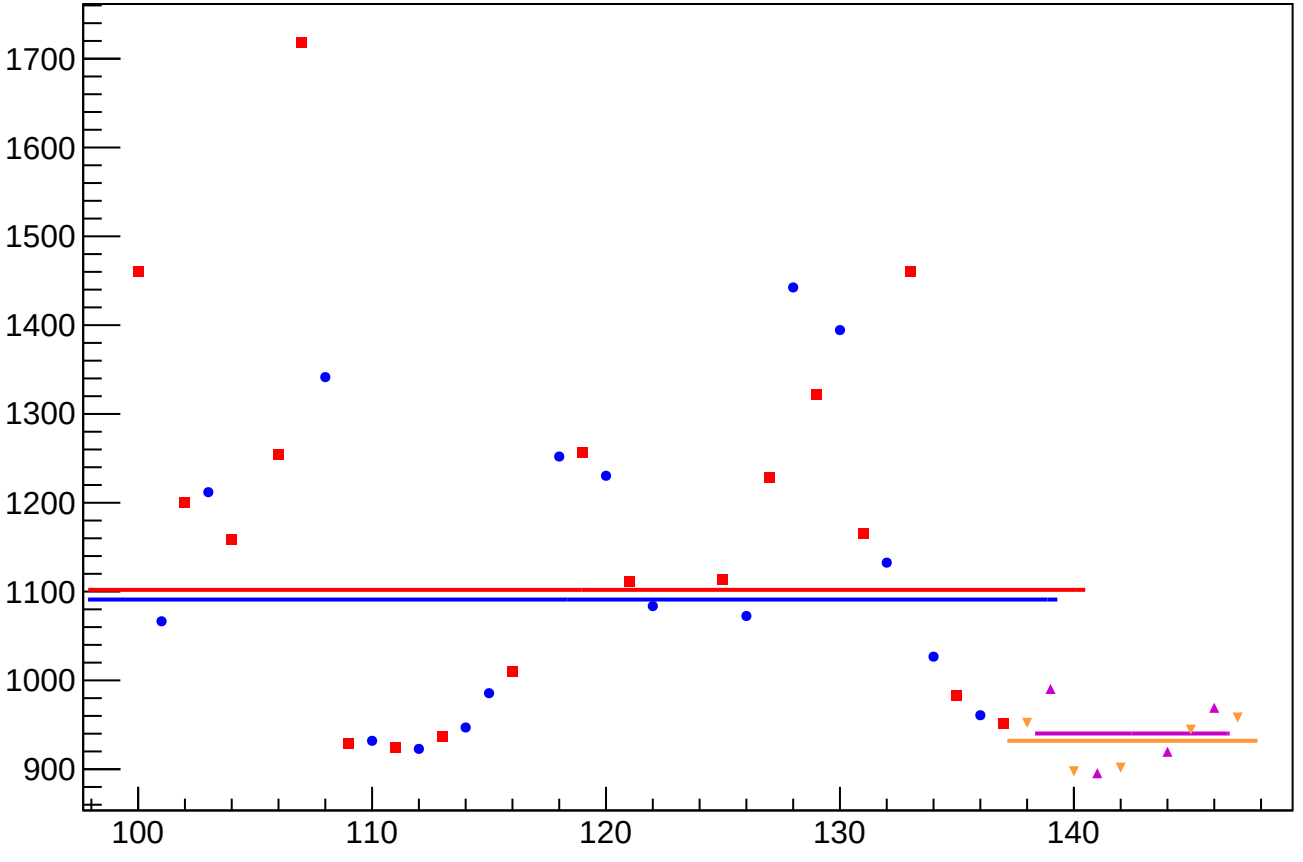
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -226.661+/-317.177 χ^2/NDF:19.5/19

Out: -169.744+/-313.693 χ^2/NDF:10.3/22

All: -197.888+/-223.036 χ^2/NDF: 29.8/42

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 931.990+/-0.343 χ^2/NDF:5681.1/4

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

Left In: 940.188+/-0.354 χ^2/NDF:11264.0/3

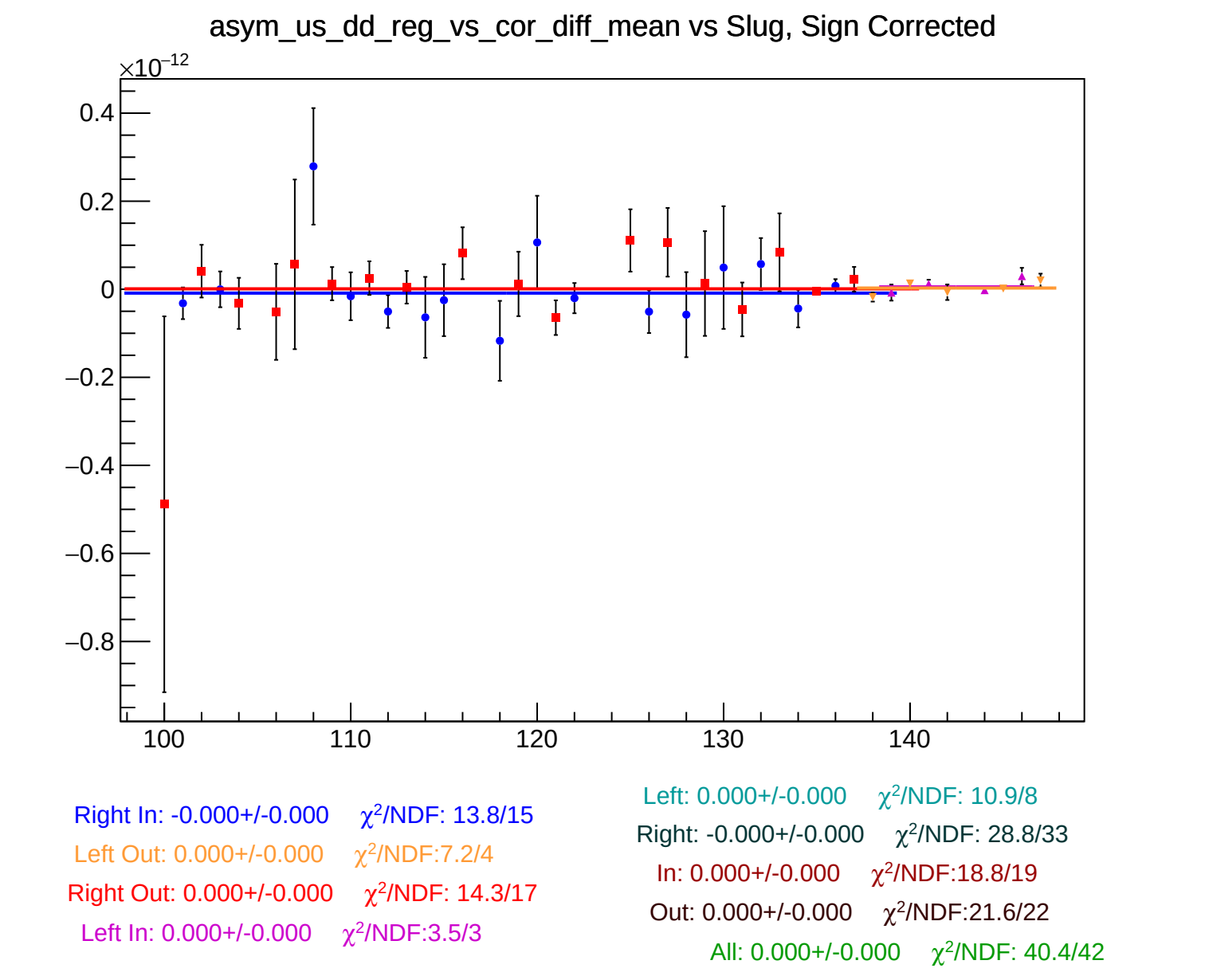
Left: 935.955+/-0.246 χ^2/NDF: 17222.0/8

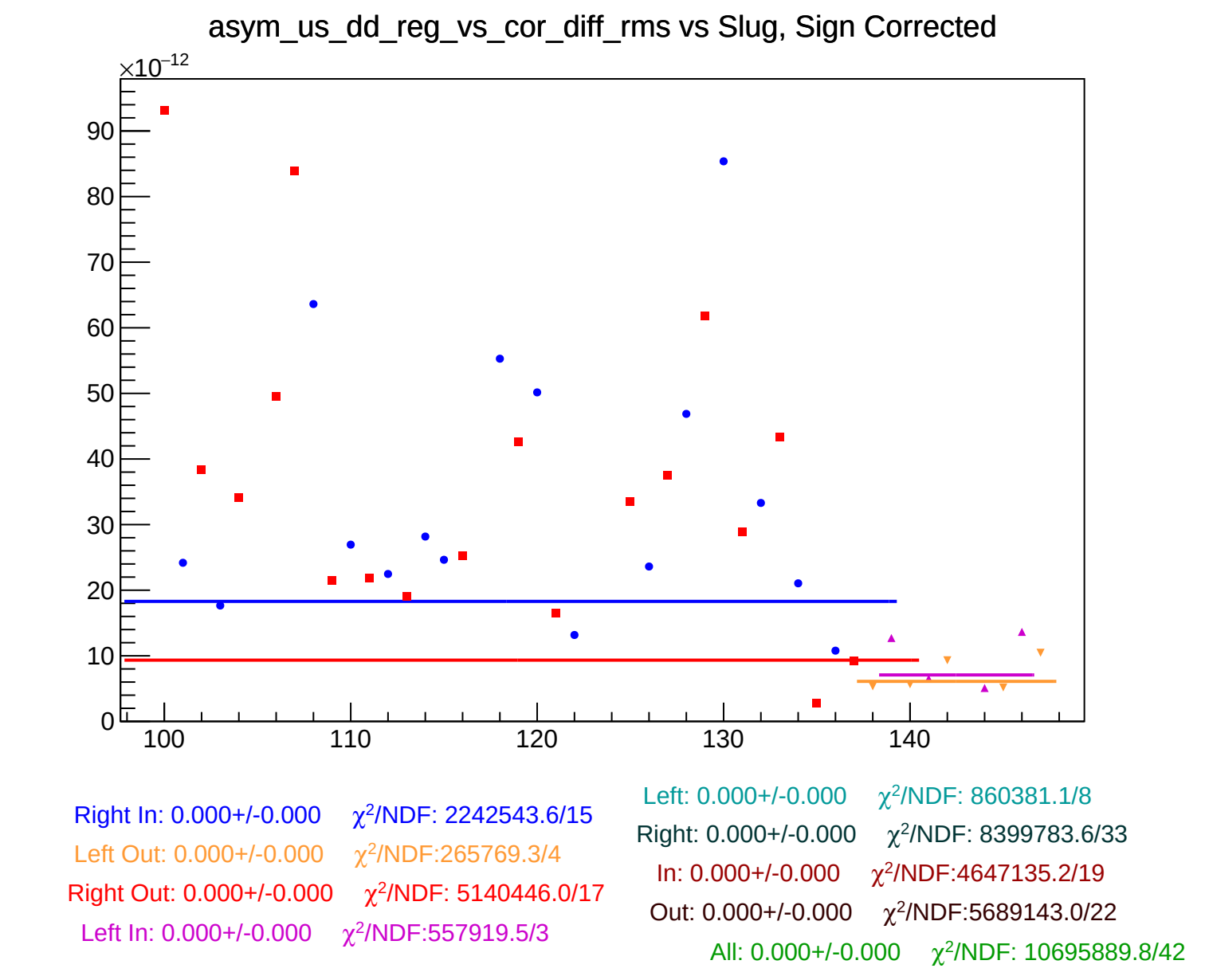
Right: 1096.476+/-0.205 χ^2/NDF: 606118.2/33

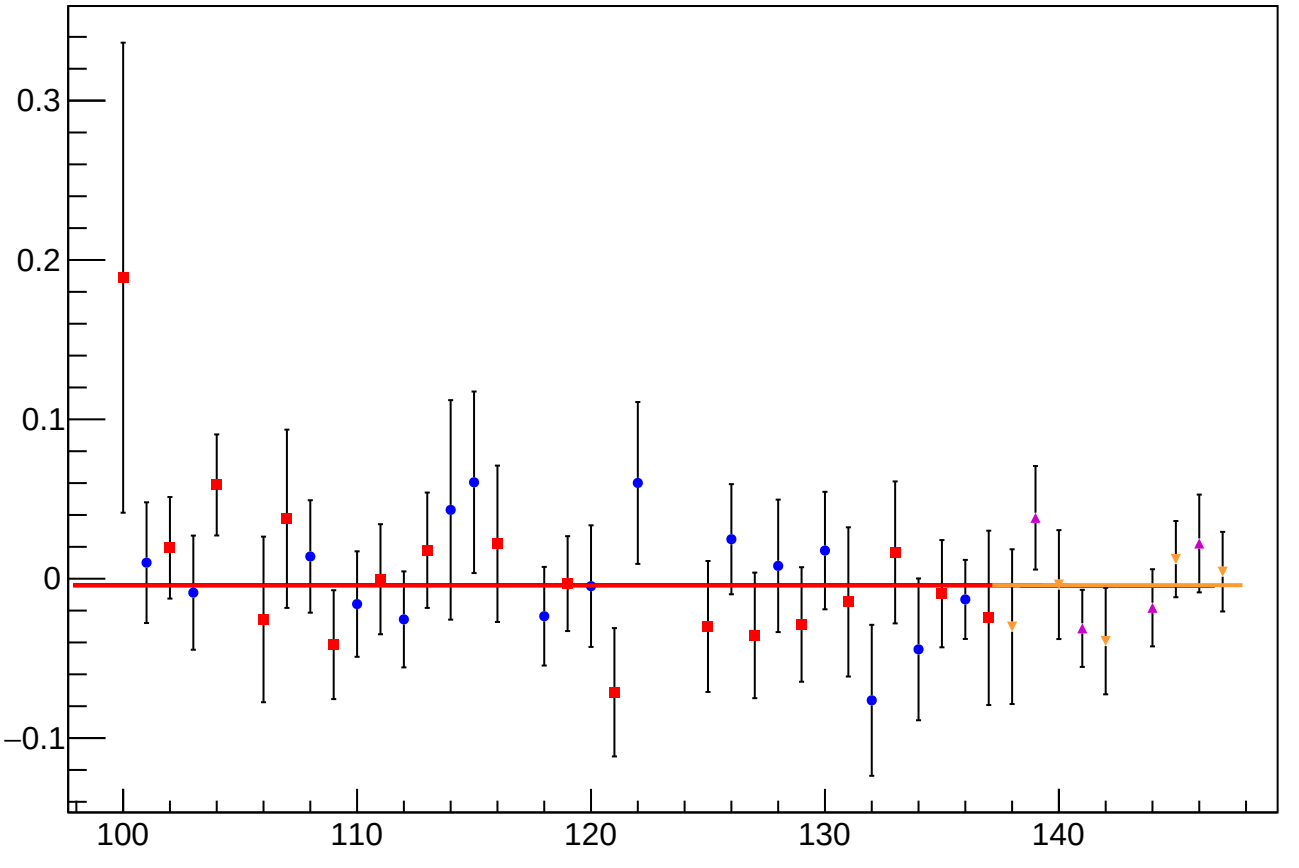
In: 1030.486+/-0.224 χ^2/NDF:397275.7/19

Out: 1030.729+/-0.222 χ^2/NDF:476722.9/22

All: 1030.609+/-0.158 χ^2/NDF: 873999.2/42


asym_us_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 13.8/15
Left Out: 0.000+/-0.000 χ²/NDF:7.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 14.3/17
Left In: 0.000+/-0.000 χ²/NDF:3.5/3
Left: 0.000+/-0.000 χ²/NDF: 10.9/8
Right: -0.000+/-0.000 χ²/NDF: 28.8/33
In: 0.000+/-0.000 χ²/NDF:18.8/19
Out: 0.000+/-0.000 χ²/NDF:21.6/22
All: 0.000+/-0.000 χ²/NDF: 40.4/42


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
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:265769.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:557919.5/3
Left: 0.000+/-0.000 χ²/NDF: 860381.1/8
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:4647135.2/19
Out: 0.000+/-0.000 χ²/NDF:5689143.0/22
All: 0.000+/-0.000 χ²/NDF: 10695889.8/42



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

Left In: -0.005+/-0.014 χ^2/NDF:4.0/3

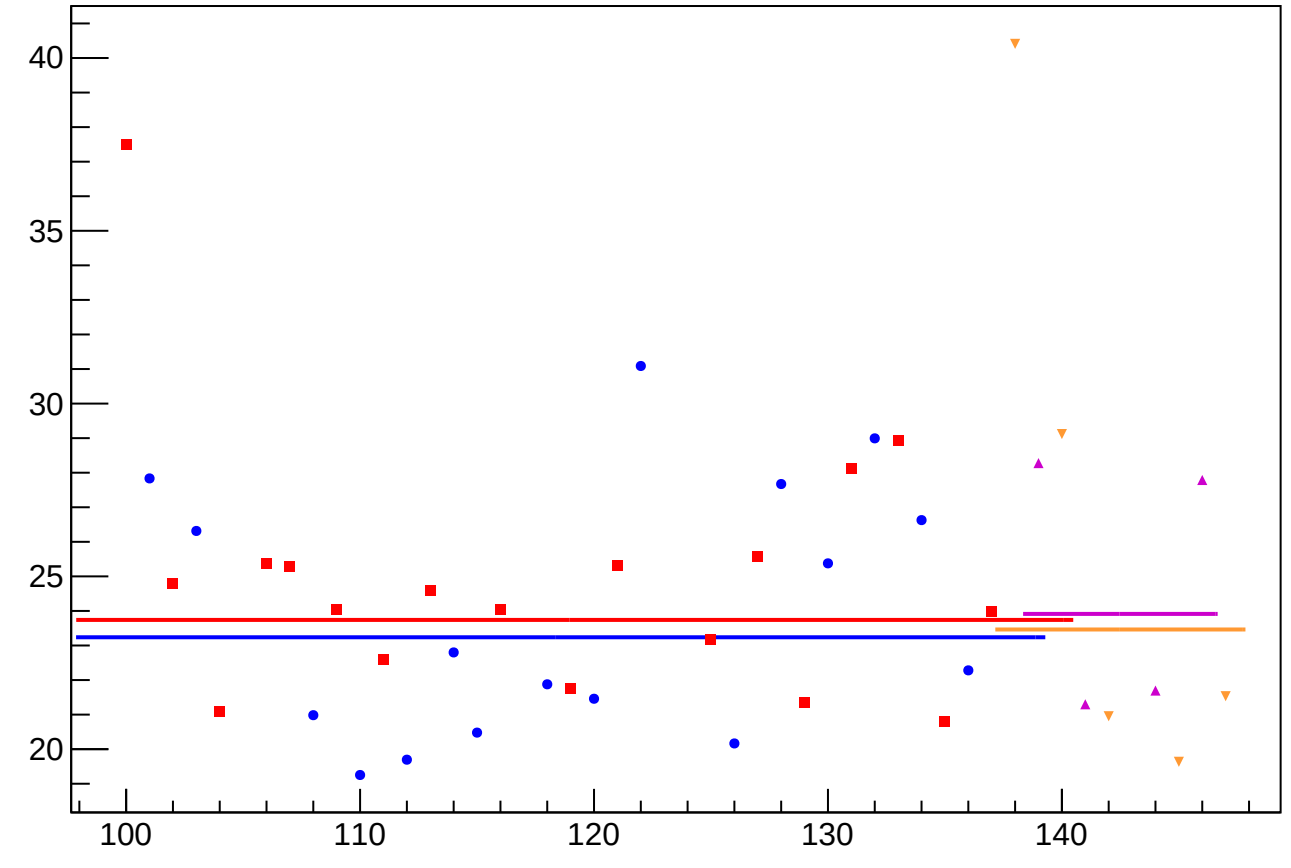
Left: -0.004+/-0.010 χ^2/NDF: 6.0/8

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

In: -0.004+/-0.008 χ^2/NDF:13.2/19

Out: -0.004+/-0.008 χ^2/NDF:15.5/22

All: -0.004+/-0.005 χ^2/NDF: 28.7/42



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

Left Out: 23.463+/-0.010 χ^2/NDF:372796.2/4

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

Left In: 23.914+/-0.010 χ^2/NDF:108197.4/3

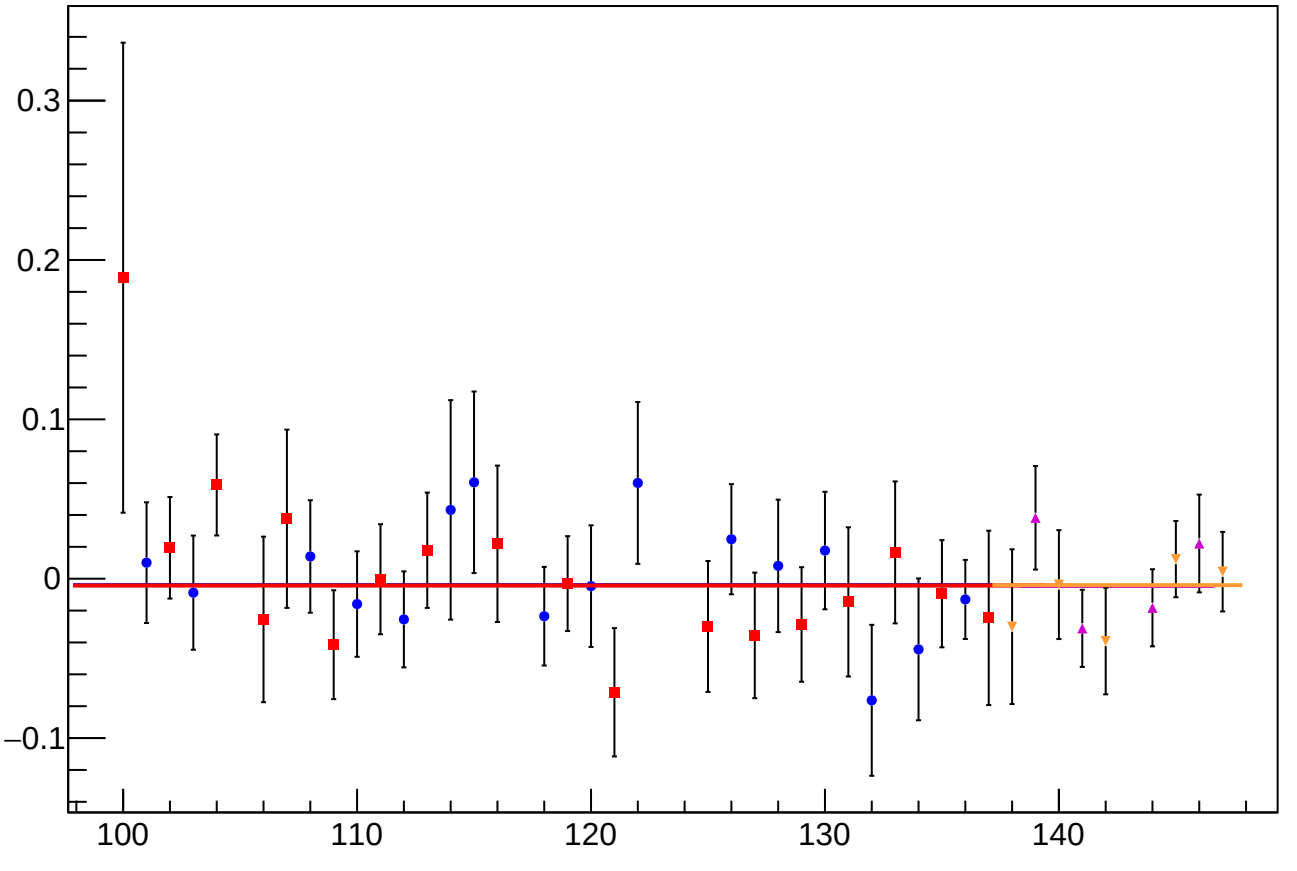
Left: 23.687+/-0.007 χ^2/NDF: 482107.2/8

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

In: 23.453+/-0.005 χ^2/NDF:370819.7/19

Out: 23.650+/-0.005 χ^2/NDF:499553.1/22

All: 23.551+/-0.004 χ^2/NDF: 871040.3/42



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

Left In: -0.005+/-0.014 χ^2/NDF:4.0/3

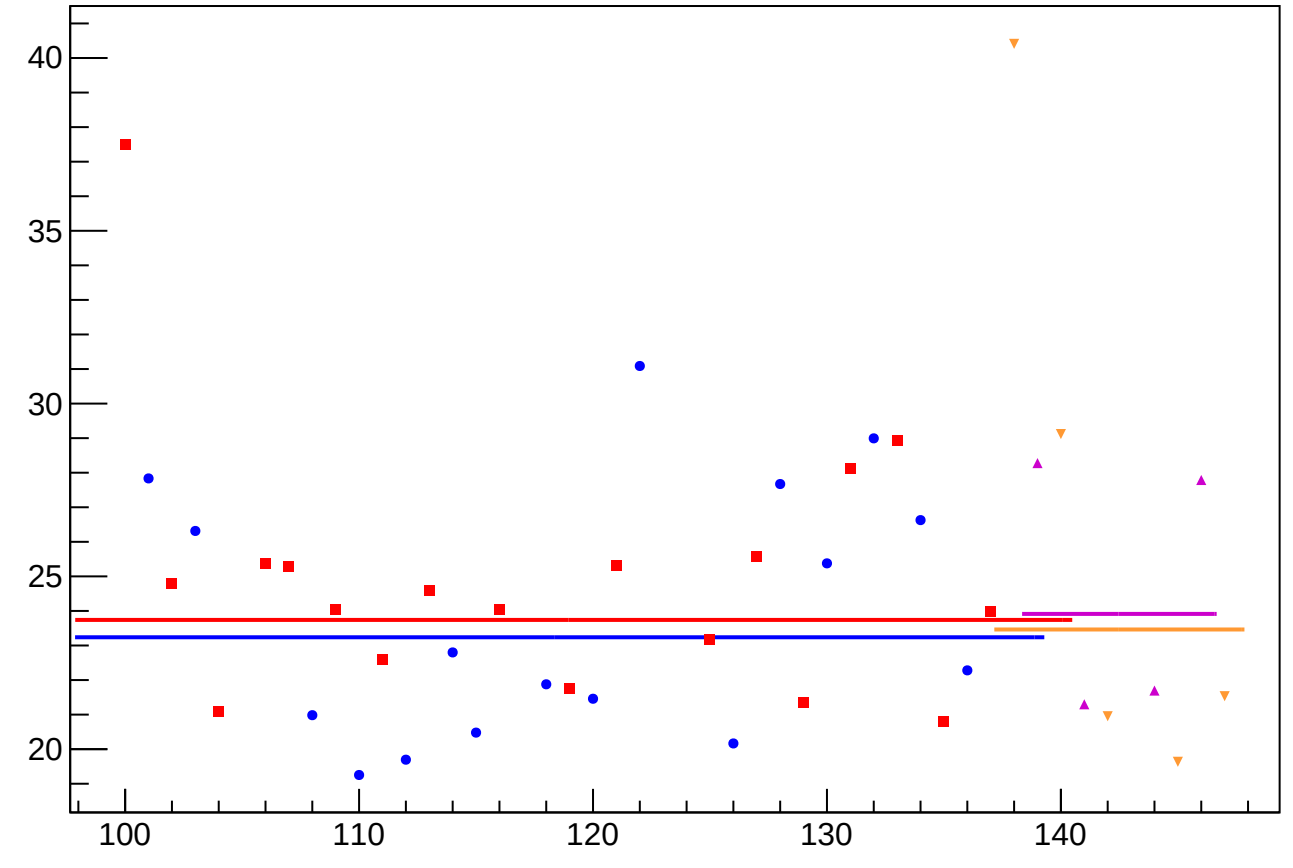
Left: -0.004+/-0.010 χ^2/NDF: 6.0/8

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

In: -0.004+/-0.008 χ^2/NDF:13.2/19

Out: -0.004+/-0.008 χ^2/NDF:15.5/22

All: -0.004+/-0.005 χ^2/NDF: 28.7/42



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

Left Out: 23.463+/-0.010 χ^2/NDF:372796.2/4

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

Left In: 23.914+/-0.010 χ^2/NDF:108197.4/3

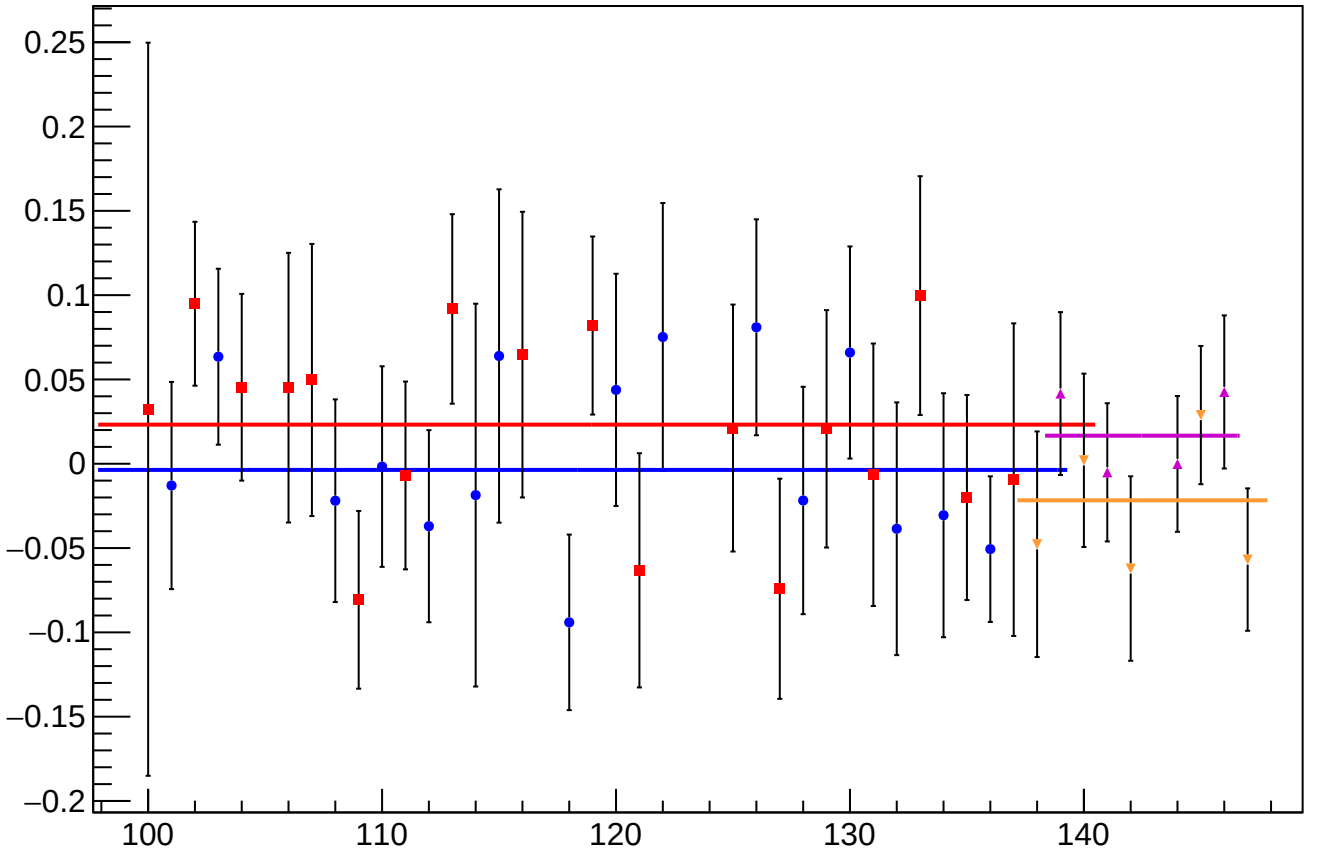
Left: 23.687+/-0.007 χ^2/NDF: 482107.2/8

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

In: 23.453+/-0.005 χ^2/NDF:370819.7/19

Out: 23.650+/-0.005 χ^2/NDF:499553.1/22

All: 23.551+/-0.004 χ^2/NDF: 871040.3/42



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

Left Out: -0.022+/-0.022 χ^2/NDF:3.1/4

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

Left In: 0.017+/-0.022 χ^2/NDF:1.0/3

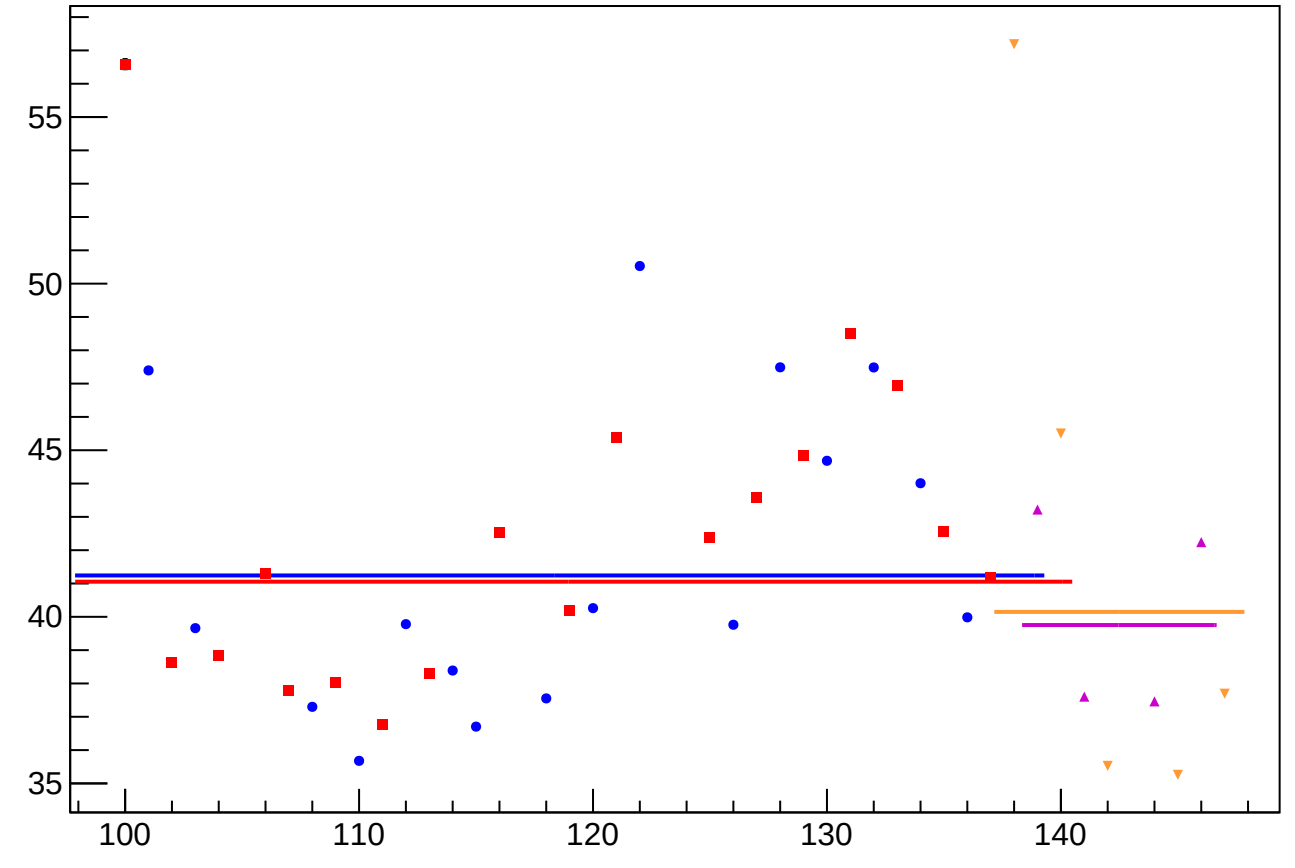
Left: -0.002+/-0.015 χ^2/NDF: 5.7/8

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.003+/-0.013 χ^2/NDF:13.3/19

Out: 0.008+/-0.013 χ^2/NDF:21.3/22

All: 0.006+/-0.009 χ^2/NDF: 34.7/42



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

Left Out: 40.148+/-0.015 χ^2/NDF:200859.2/4

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

Left In: 39.753+/-0.015 χ^2/NDF:28277.9/3

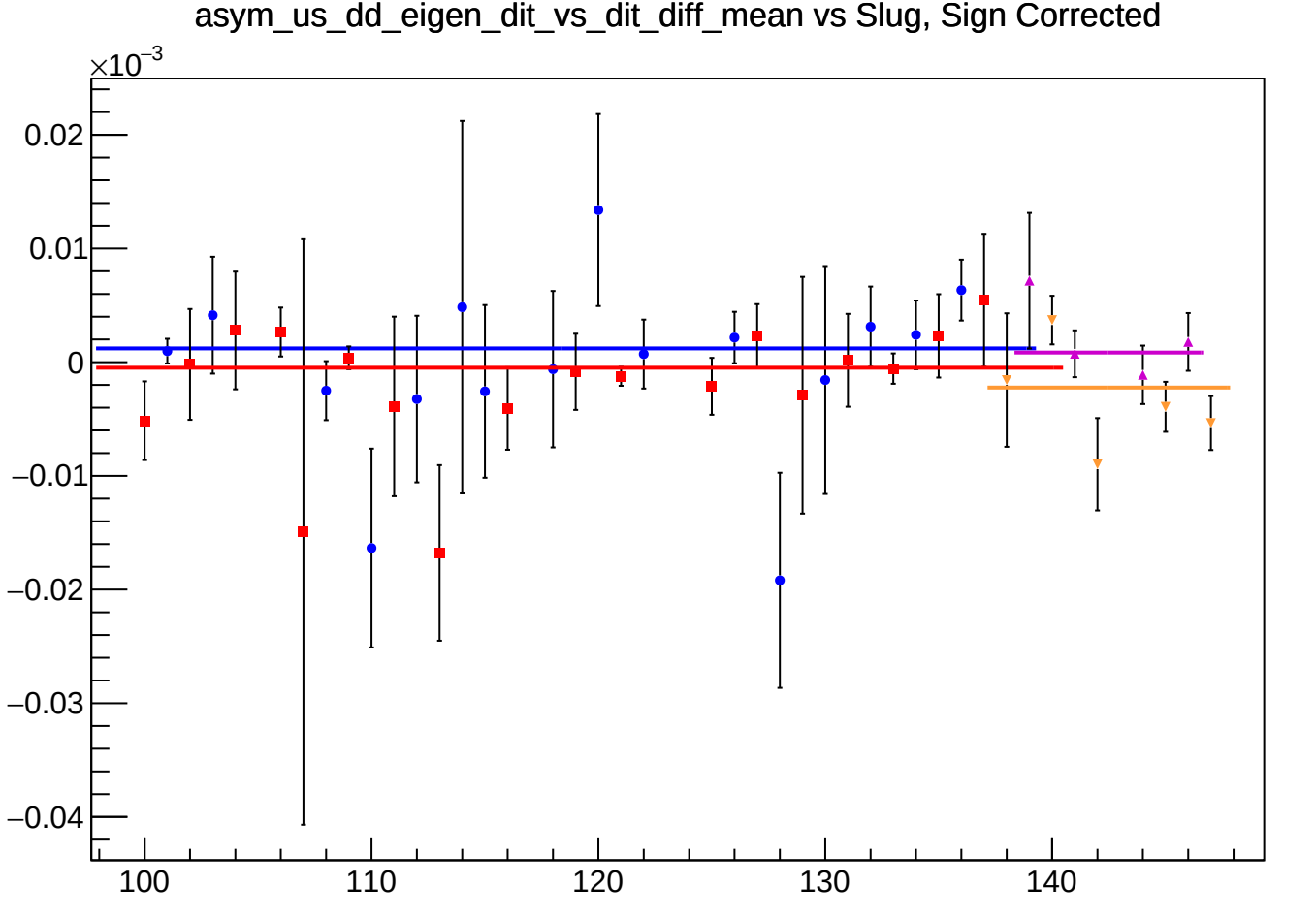
Left: 39.949+/-0.011 χ^2/NDF: 229465.5/8

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

In: 40.728+/-0.009 χ^2/NDF:169725.9/19

Out: 40.751+/-0.009 χ^2/NDF:299707.6/22

All: 40.740+/-0.006 χ^2/NDF: 469436.7/42



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/4

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

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

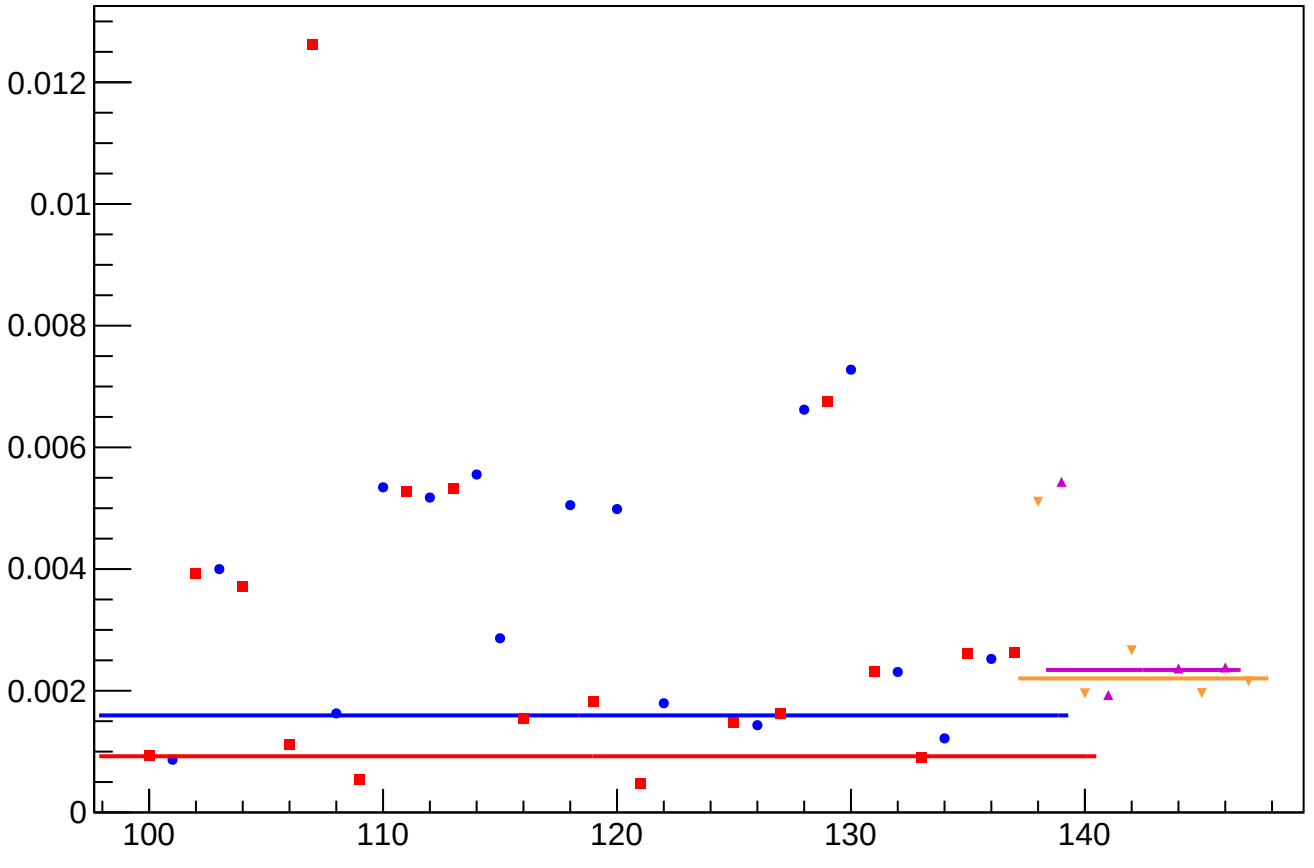
Left: -0.000+/-0.000 χ^2/NDF: 17.6/8

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:20.2/19

Out: -0.000+/-0.000 χ^2/NDF:29.6/22

All: -0.000+/-0.000 χ^2/NDF: 55.3/42



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

Left Out: 0.002+/-0.000 χ^2/NDF:565994.7/4

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

Left In: 0.002+/-0.000 χ^2/NDF:617695.2/3

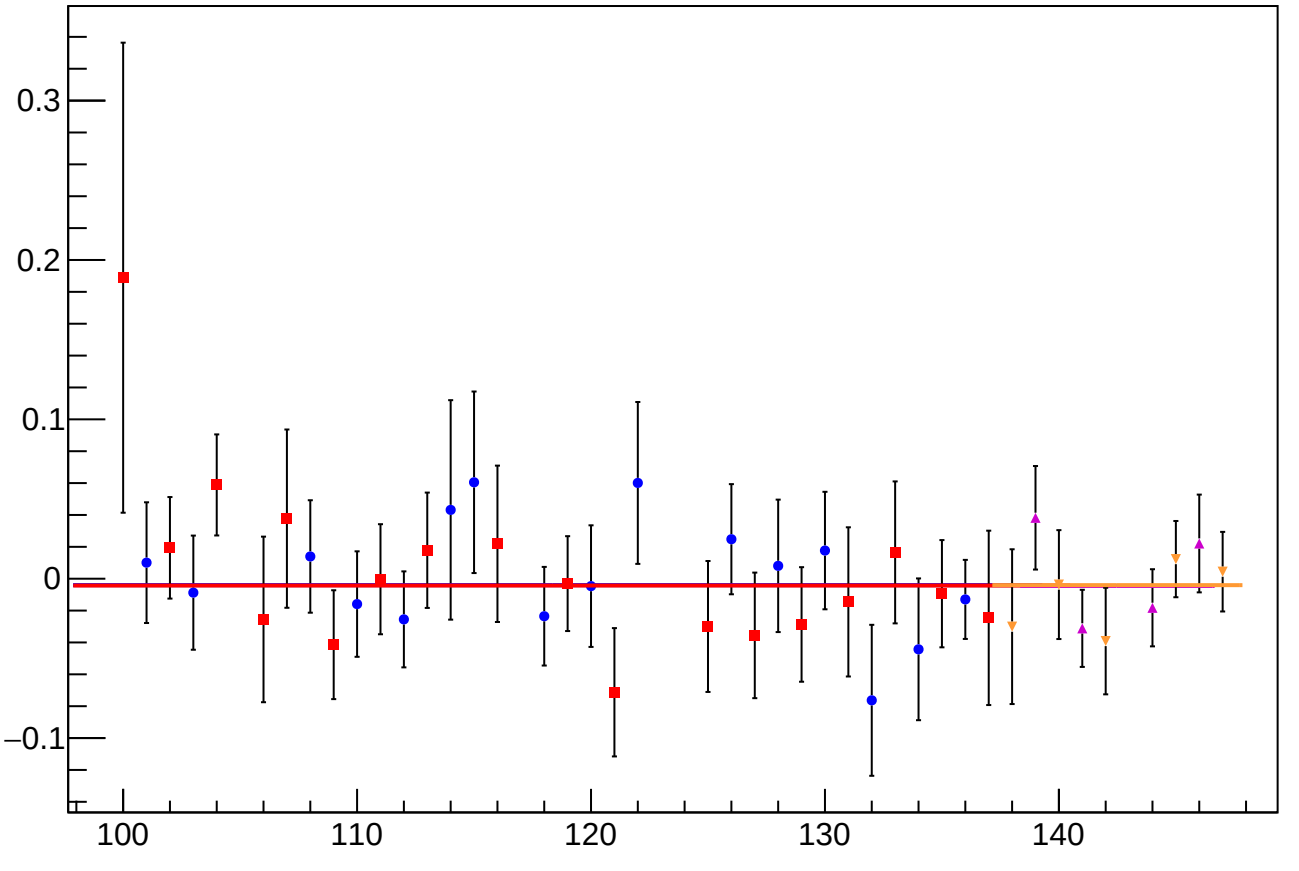
Left: 0.002+/-0.000 χ^2/NDF: 1195801.2/8

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

In: 0.002+/-0.000 χ^2/NDF:5861752.8/19

Out: 0.001+/-0.000 χ^2/NDF:8282324.1/22

All: 0.001+/-0.000 χ^2/NDF: 15536209.9/42



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

Left In: -0.005+/-0.014 χ^2/NDF:4.0/3

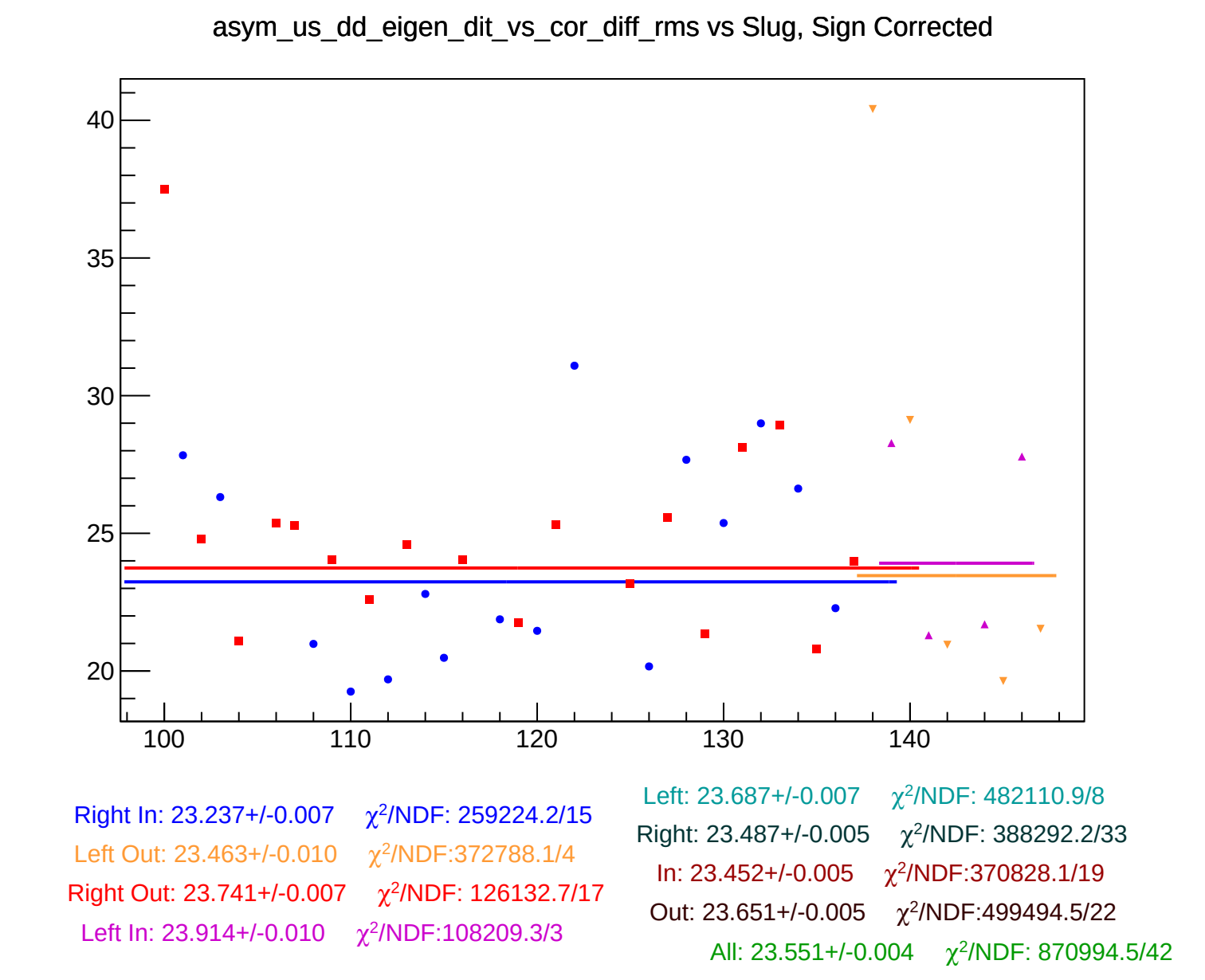
Left: -0.004+/-0.010 χ^2/NDF: 6.0/8

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

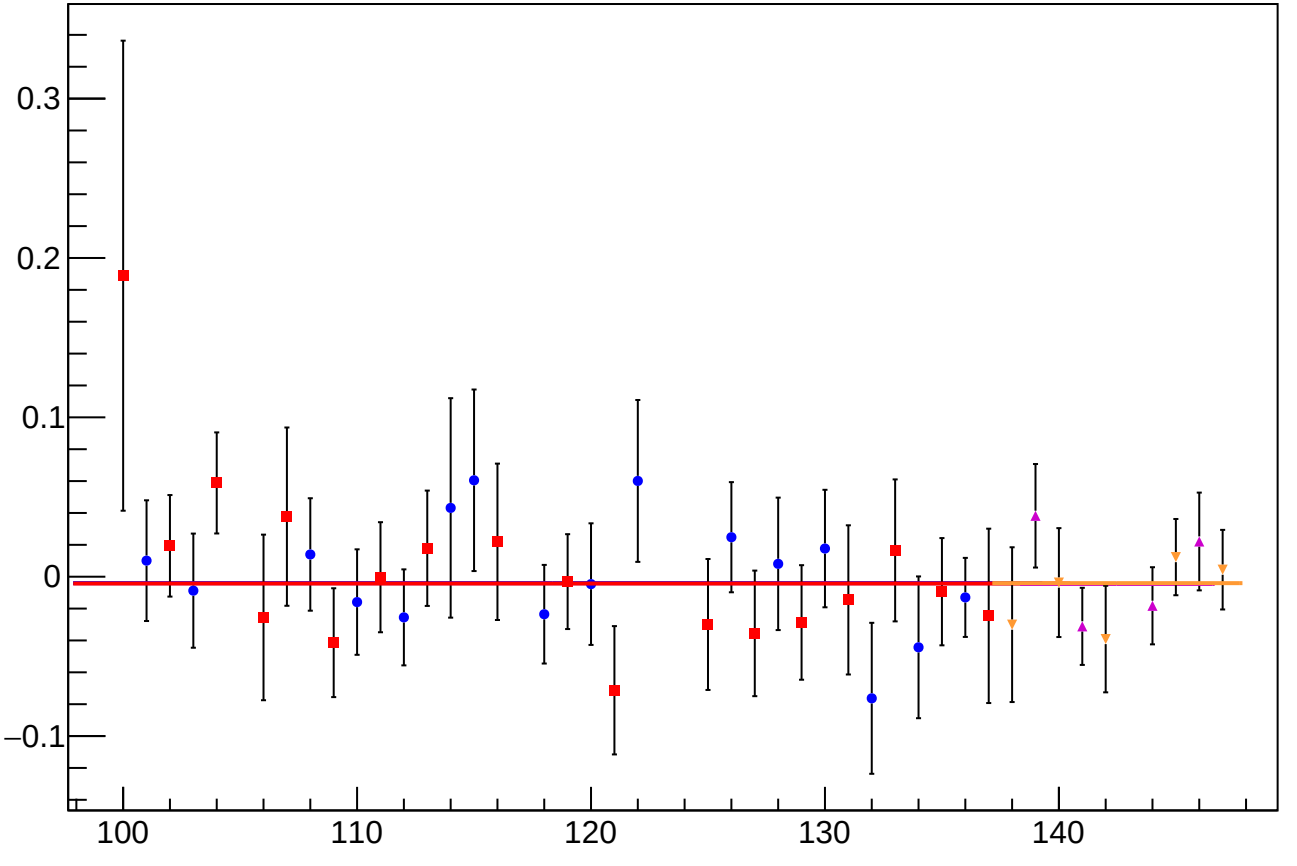
In: -0.004+/-0.008 χ^2/NDF:13.2/19

Out: -0.004+/-0.008 χ^2/NDF:15.5/22

All: -0.004+/-0.005 χ^2/NDF: 28.7/42


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.463+/-0.010 χ²/NDF:372788.1/4
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.914+/-0.010 χ²/NDF:108209.3/3
Left: 23.687+/-0.007 χ²/NDF: 482110.9/8
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.452+/-0.005 χ²/NDF:370828.1/19
Out: 23.651+/-0.005 χ²/NDF:499494.5/22
All: 23.551+/-0.004 χ²/NDF: 870994.5/42

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.004+/-0.013 χ^2/NDF:2.0/4

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

Left In: -0.005+/-0.014 χ^2/NDF:4.0/3

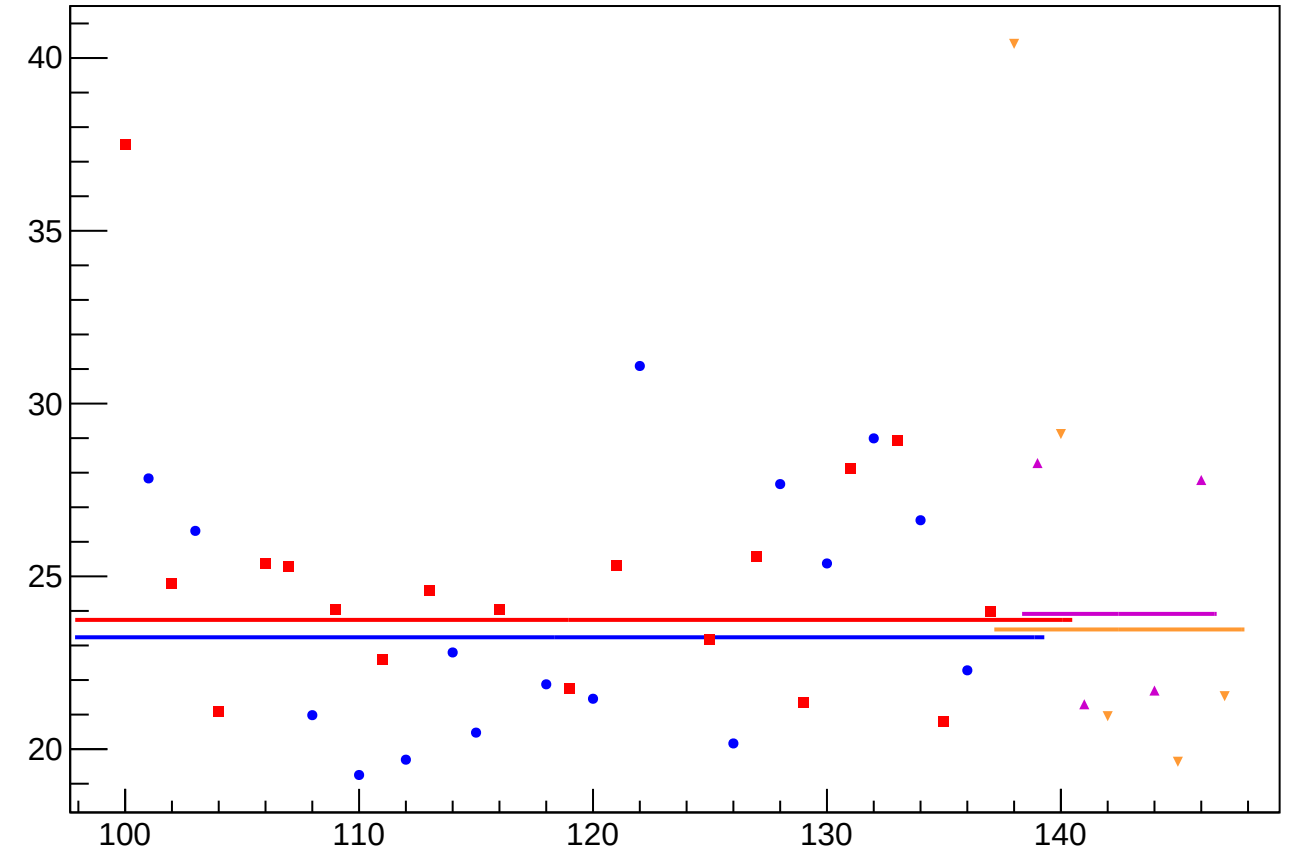
Left: -0.004+/-0.010 χ^2/NDF: 6.0/8

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

In: -0.004+/-0.008 χ^2/NDF:13.2/19

Out: -0.004+/-0.008 χ^2/NDF:15.5/22

All: -0.004+/-0.005 χ^2/NDF: 28.7/42



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

Left Out: 23.463+/-0.010 χ^2/NDF:372788.1/4

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

Left In: 23.914+/-0.010 χ^2/NDF:108209.3/3

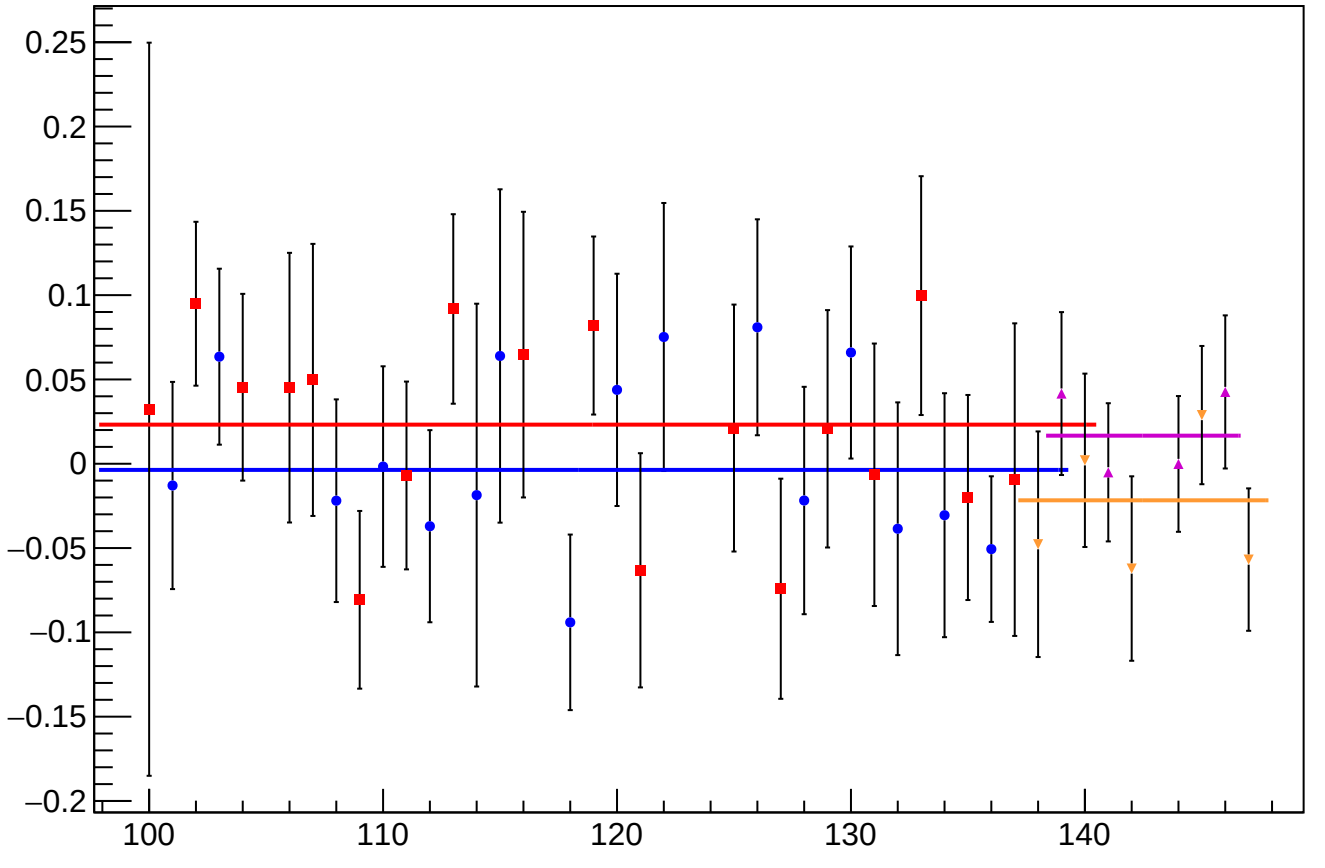
Left: 23.687+/-0.007 χ^2/NDF: 482110.9/8

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

In: 23.452+/-0.005 χ^2/NDF:370828.1/19

Out: 23.651+/-0.005 χ^2/NDF:499494.5/22

All: 23.551+/-0.004 χ^2/NDF: 870994.5/42



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

Left Out: -0.022+/-0.022 χ^2/NDF:3.1/4

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

Left In: 0.017+/-0.022 χ^2/NDF:1.0/3

Left: -0.002+/-0.015 χ^2/NDF: 5.7/8

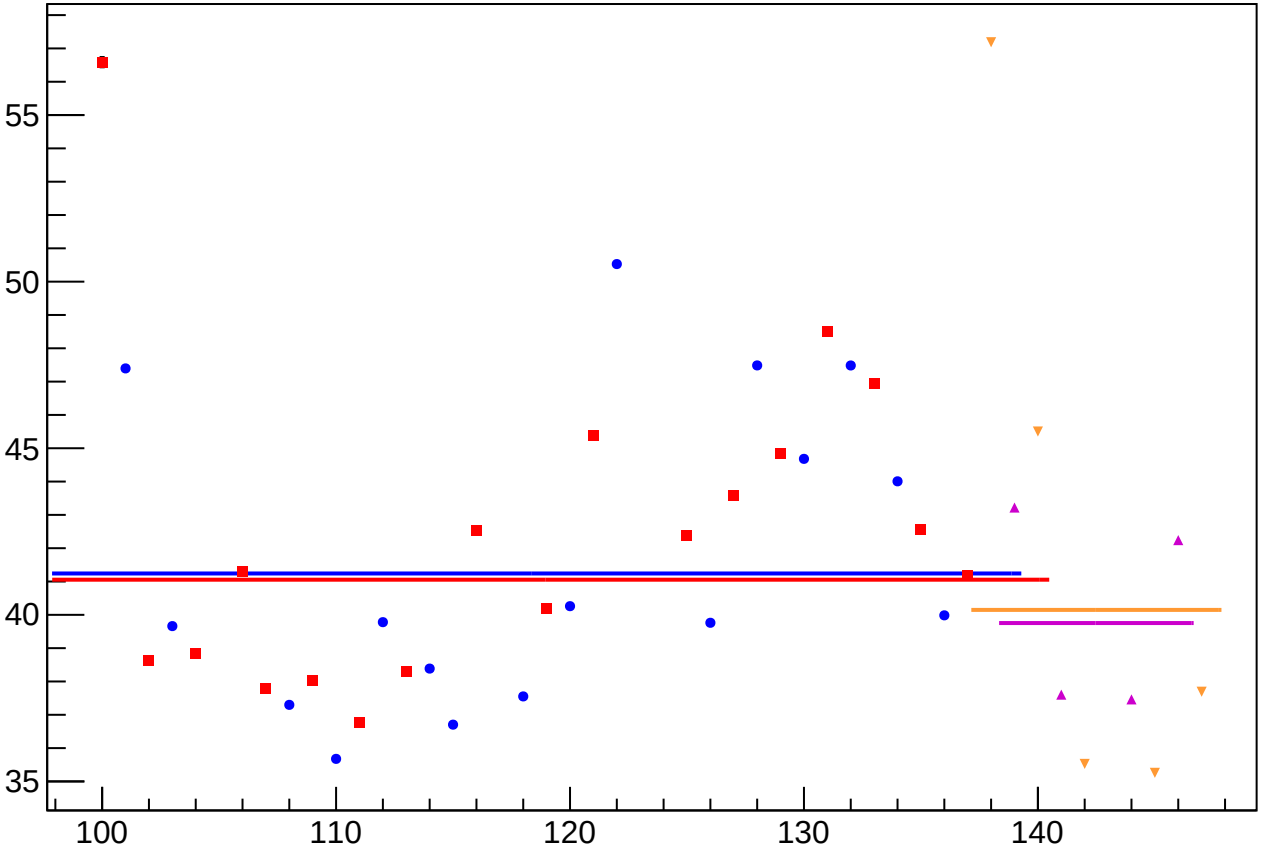
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.003+/-0.013 χ^2/NDF:13.3/19

Out: 0.008+/-0.013 χ^2/NDF:21.3/22

All: 0.006+/-0.009 χ^2/NDF: 34.7/42

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: 40.148+/-0.015 χ^2/NDF:200858.5/4

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

Left In: 39.754+/-0.015 χ^2/NDF:28282.3/3

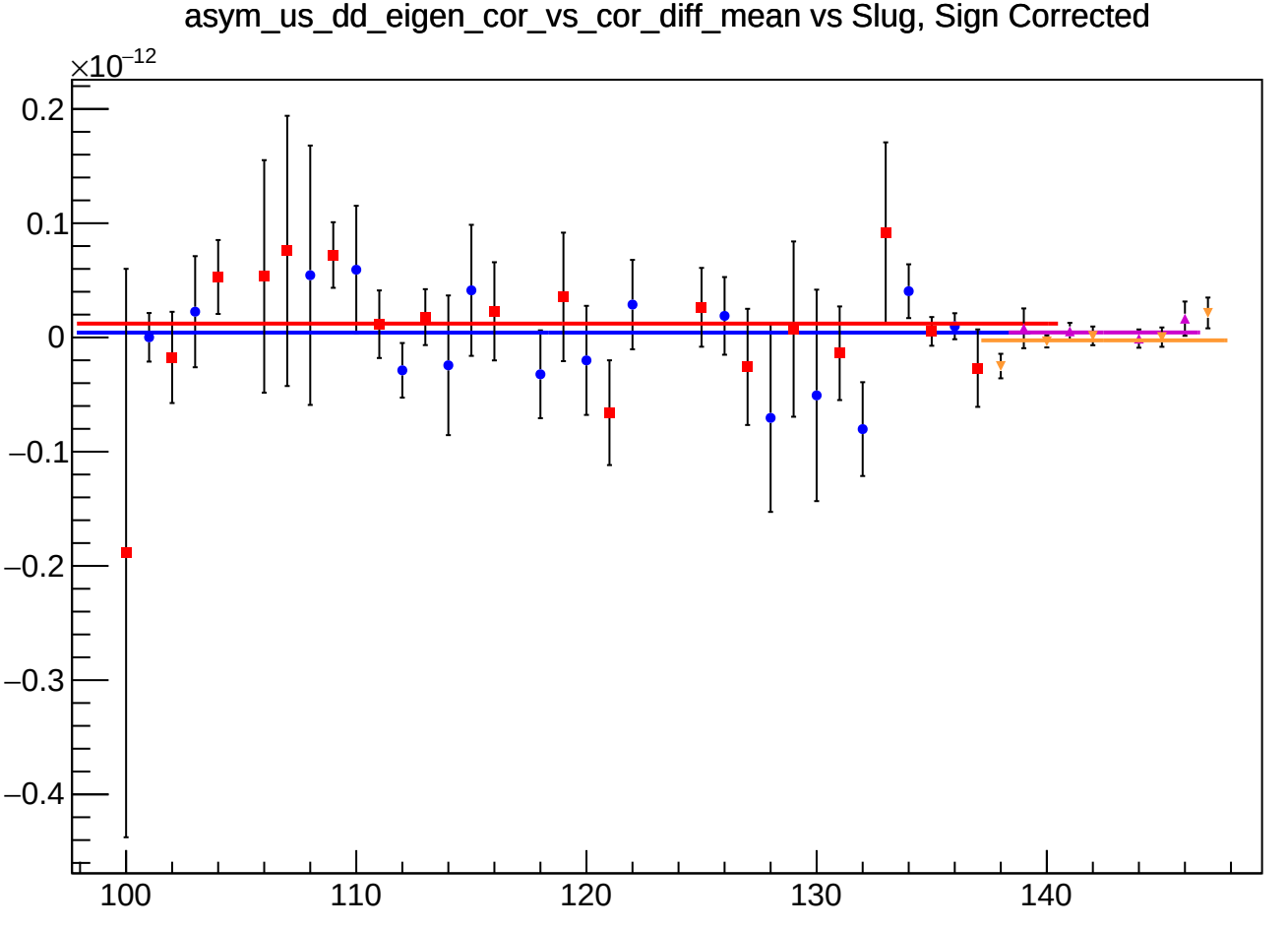
Left: 39.949+/-0.011 χ^2/NDF: 229469.1/8

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

In: 40.728+/-0.009 χ^2/NDF:169705.0/19

Out: 40.751+/-0.009 χ^2/NDF:299695.3/22

All: 40.740+/-0.006 χ^2/NDF: 469403.5/42



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/4

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

Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

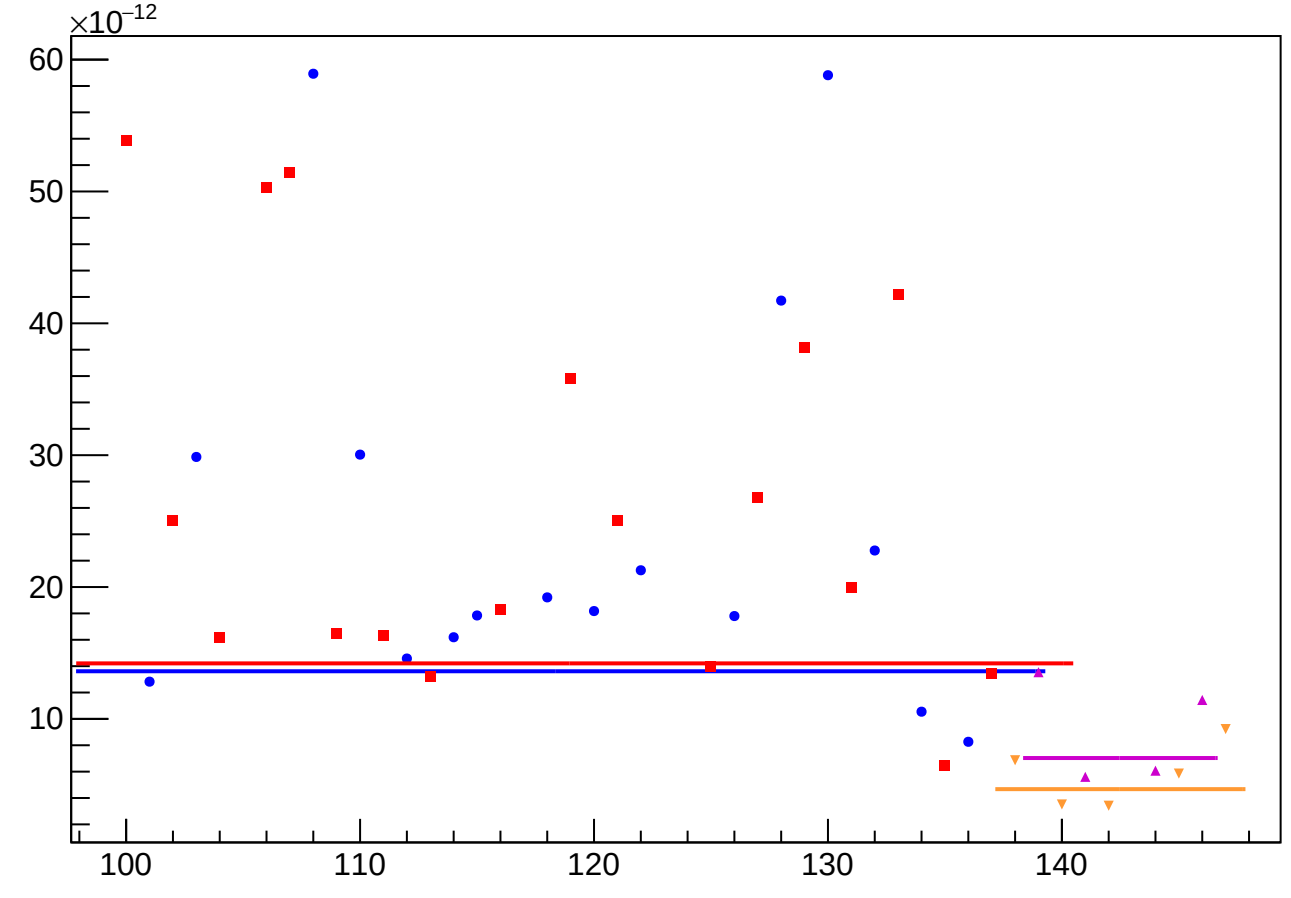
Left: -0.000+/-0.000 χ^2/NDF: 10.4/8

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:14.8/19

Out: -0.000+/-0.000 χ^2/NDF:25.4/22

All: 0.000+/-0.000 χ^2/NDF: 40.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 2188622.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:495494.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2471664.5/17

Left In: 0.000+/-0.000 χ^2/NDF:555039.2/3

Left: 0.000+/-0.000 χ^2/NDF: 1354460.7/8

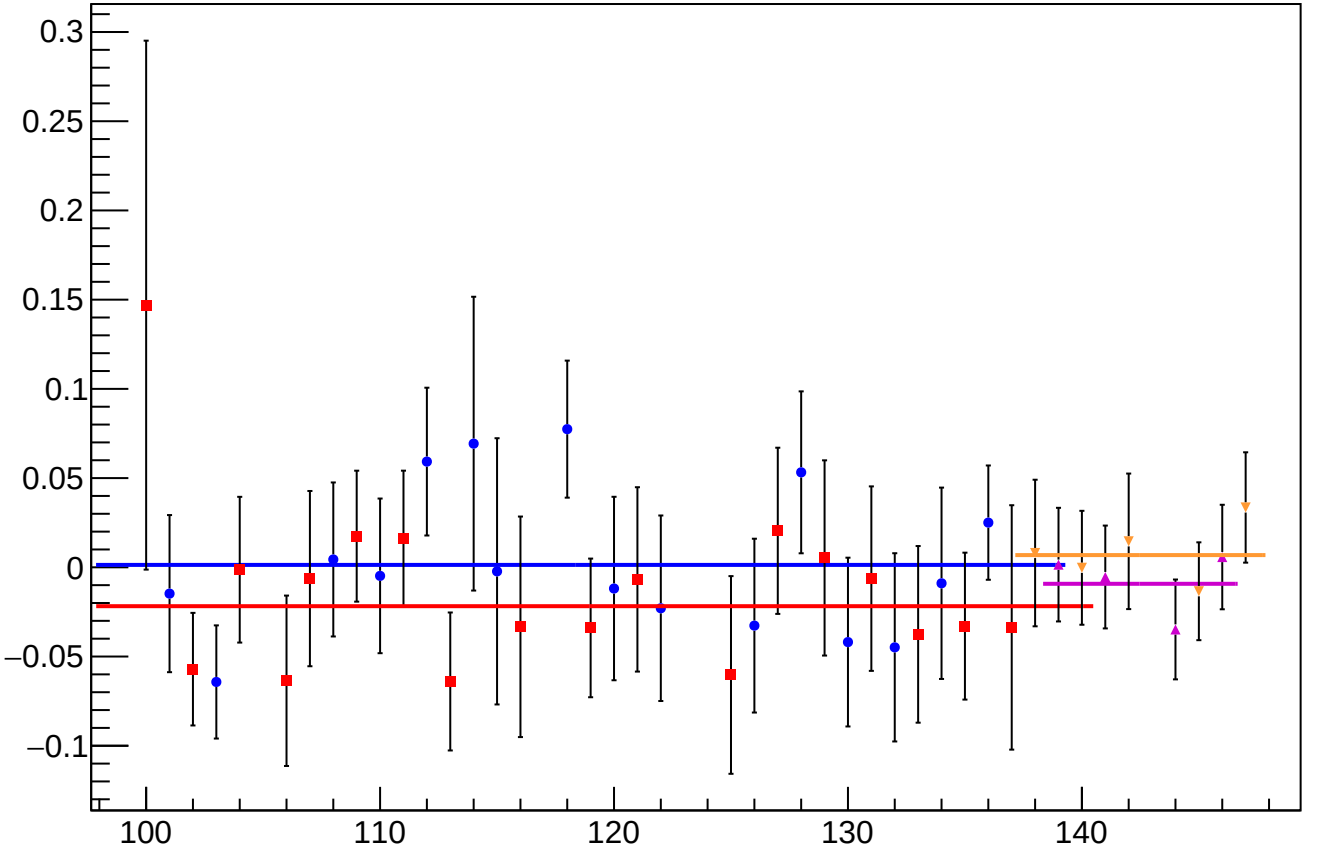
Right: 0.000+/-0.000 χ^2/NDF: 4666493.6/33

In: 0.000+/-0.000 χ^2/NDF:3848026.4/19

Out: 0.000+/-0.000 χ^2/NDF:5448726.3/22

All: 0.000+/-0.000 χ^2/NDF: 9845925.3/42

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: 0.007+/-0.015 χ^2/NDF:1.4/4

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

Left In: -0.009+/-0.015 χ^2/NDF:1.2/3

Left: -0.001+/-0.010 χ^2/NDF: 3.2/8

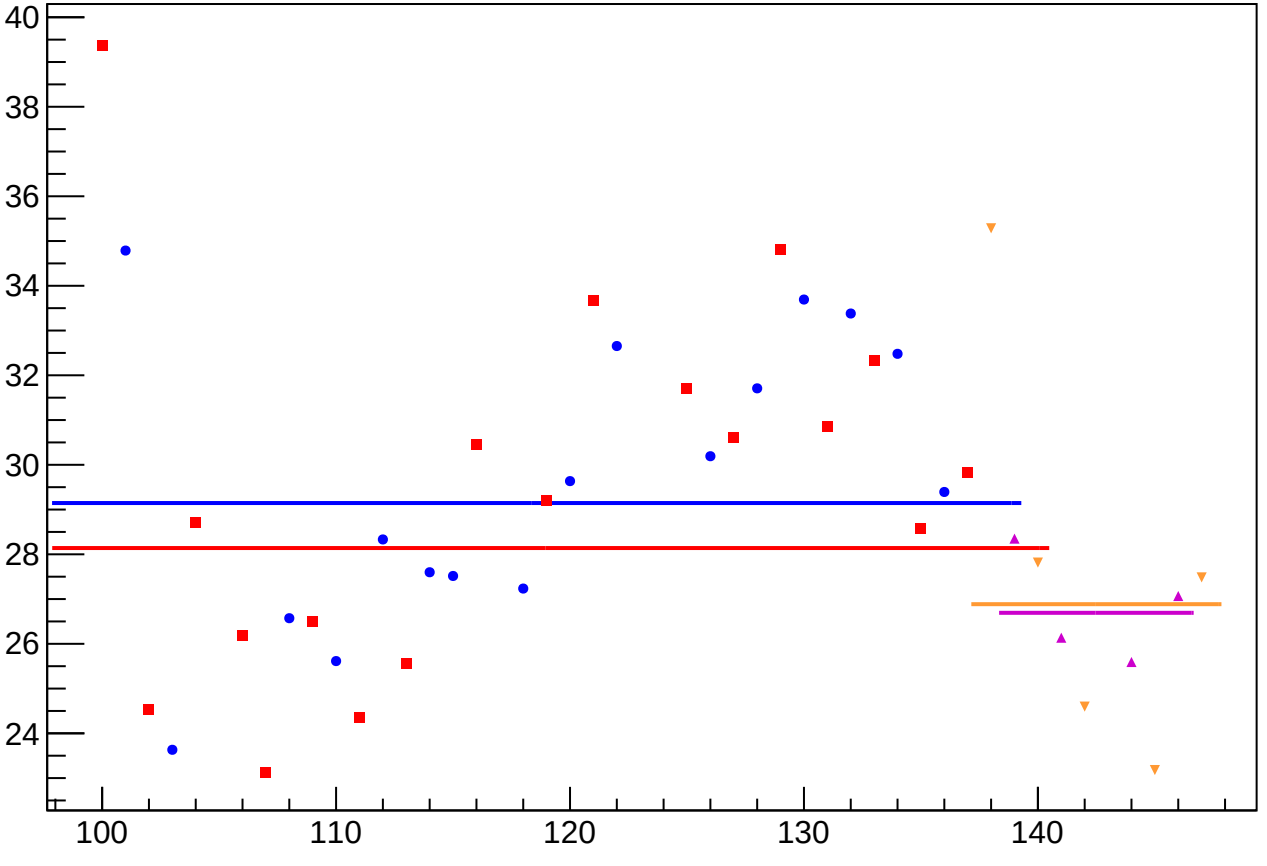
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: -0.003+/-0.009 χ^2/NDF:16.8/19

Out: -0.012+/-0.009 χ^2/NDF:12.9/22

All: -0.007+/-0.006 χ^2/NDF: 30.3/42

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: 26.886+/-0.010 χ^2/NDF:129886.6/4

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

Left In: 26.693+/-0.010 χ^2/NDF:9580.1/3

Left: 26.789+/-0.007 χ^2/NDF: 139639.5/8

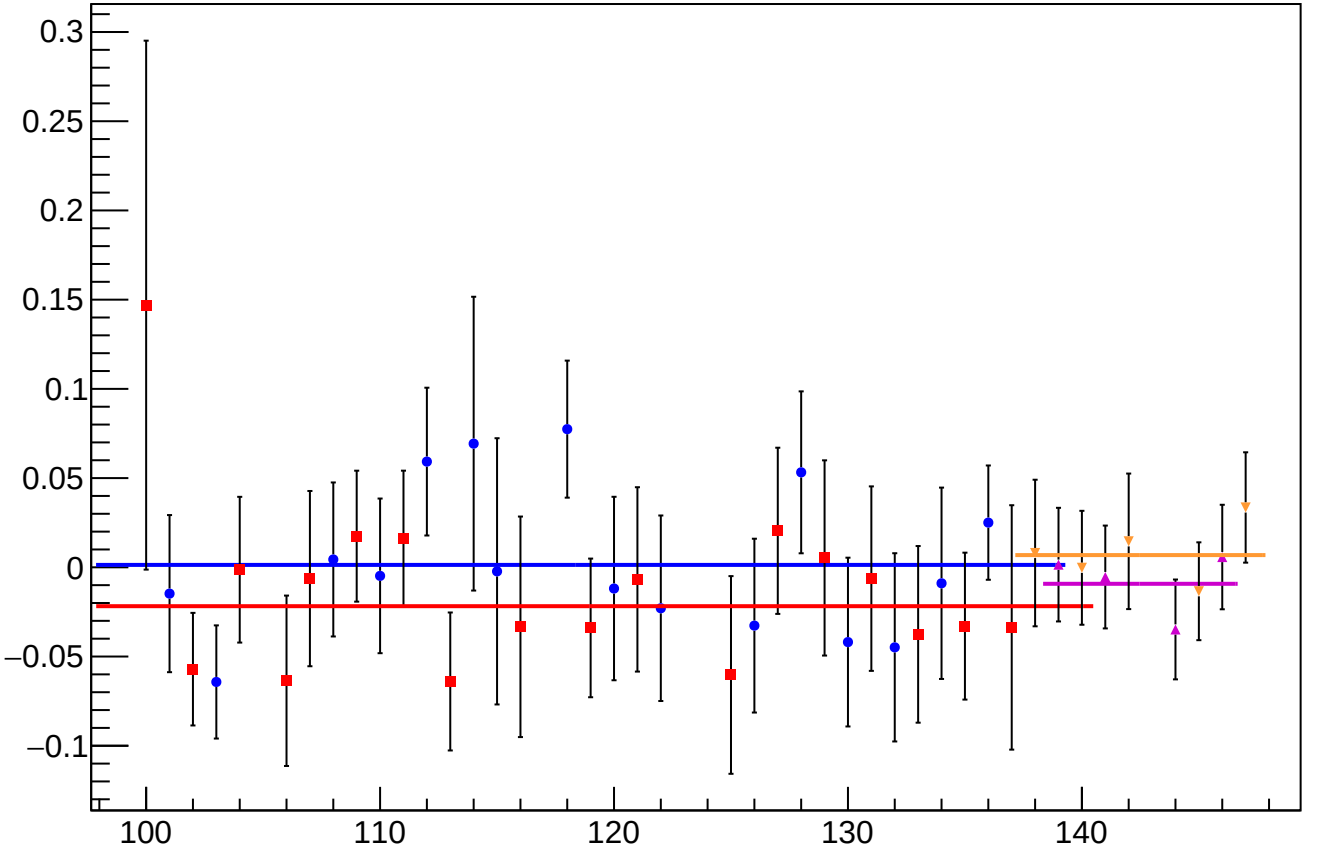
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.243+/-0.006 χ^2/NDF:221706.0/19

Out: 27.700+/-0.006 χ^2/NDF:326482.6/22

All: 27.965+/-0.004 χ^2/NDF: 551983.6/42

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: 0.007+/-0.015 χ^2/NDF:1.4/4

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

Left In: -0.009+/-0.015 χ^2/NDF:1.2/3

Left: -0.001+/-0.010 χ^2/NDF: 3.2/8

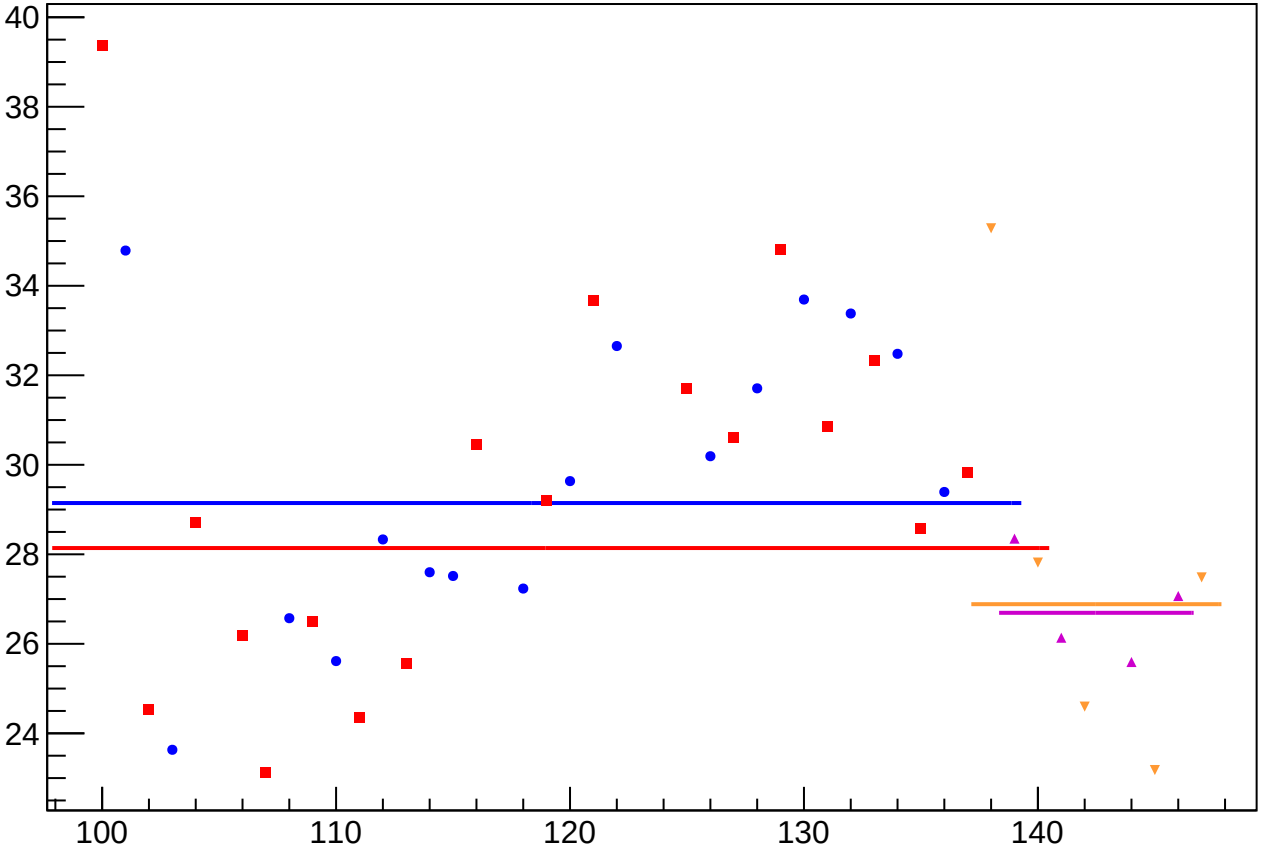
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: -0.003+/-0.009 χ^2/NDF:16.8/19

Out: -0.012+/-0.009 χ^2/NDF:12.9/22

All: -0.007+/-0.006 χ^2/NDF: 30.3/42

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 26.886+/-0.010 χ^2/NDF:129886.6/4

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

Left In: 26.693+/-0.010 χ^2/NDF:9580.1/3

Left: 26.789+/-0.007 χ^2/NDF: 139639.5/8

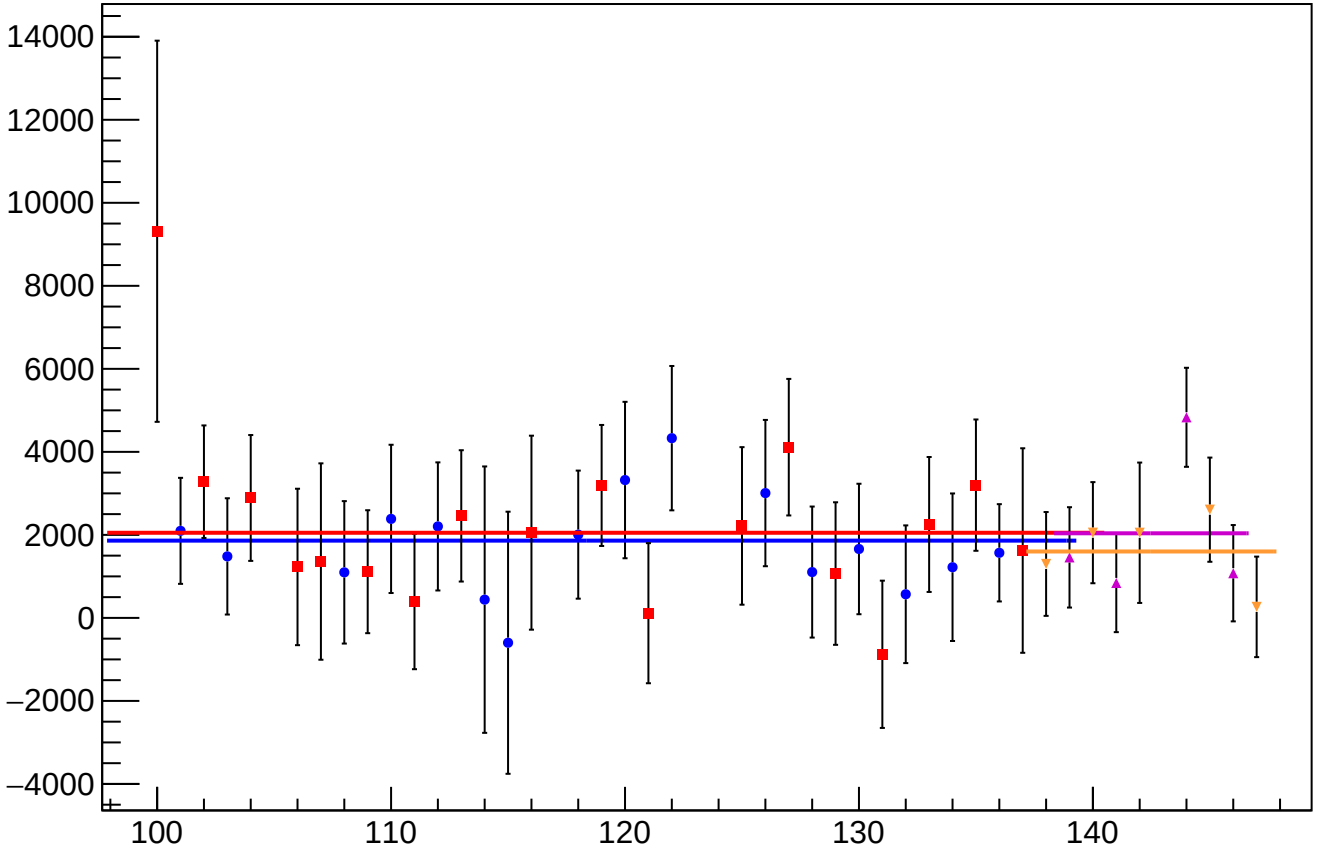
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.243+/-0.006 χ^2/NDF:221706.0/19

Out: 27.700+/-0.006 χ^2/NDF:326482.6/22

All: 27.965+/-0.004 χ^2/NDF: 551983.6/42

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1600.144+/-579.293 χ^2/NDF:2.1/4

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

Left In: 2038.301+/-593.176 χ^2/NDF:7.4/3

Left: 1814.035+/-414.443 χ^2/NDF: 9.8/8

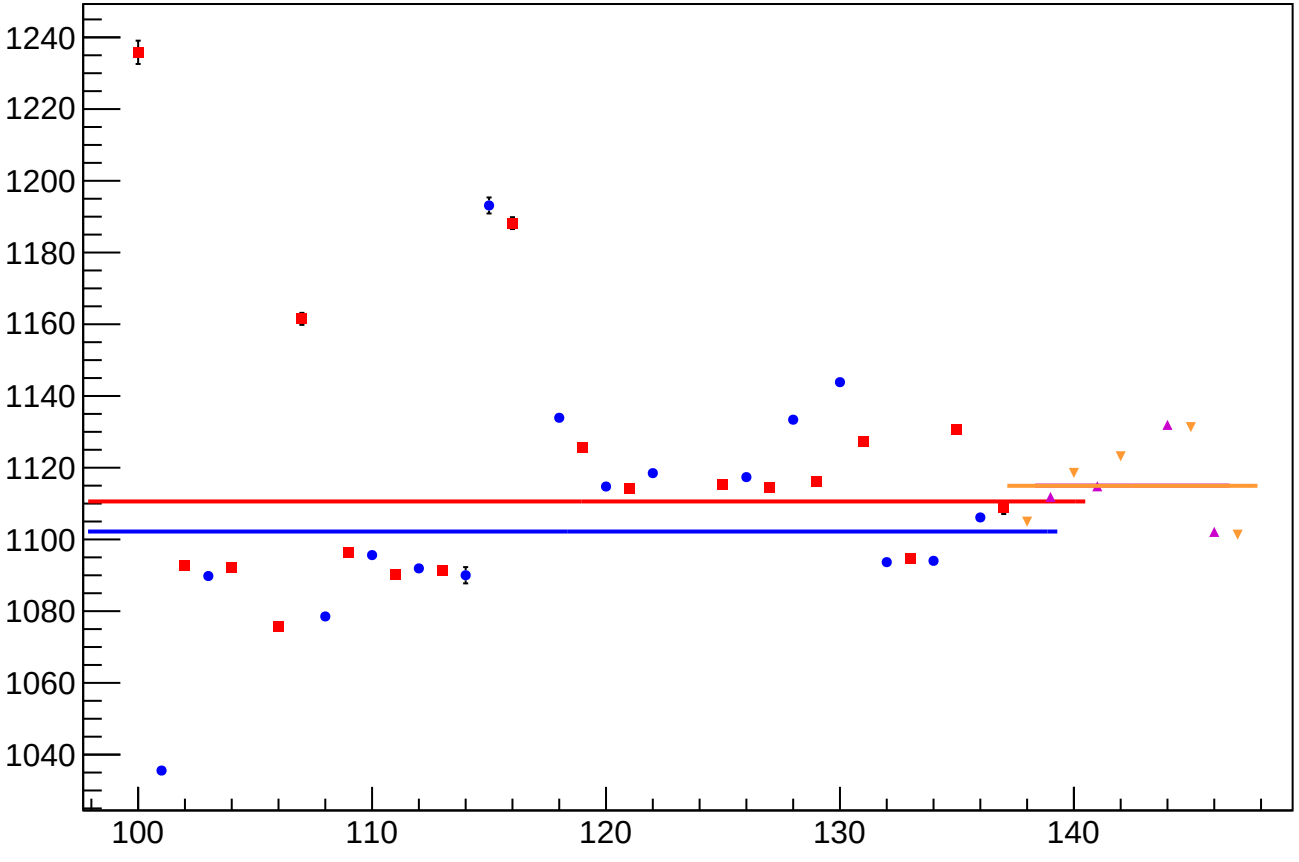
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1918.586+/-337.009 χ^2/NDF:12.8/19

Out: 1900.792+/-334.252 χ^2/NDF:15.1/22

All: 1909.616+/-237.321 χ^2/NDF: 27.9/42

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.952+/-0.410 χ^2/NDF:785.8/4

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

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

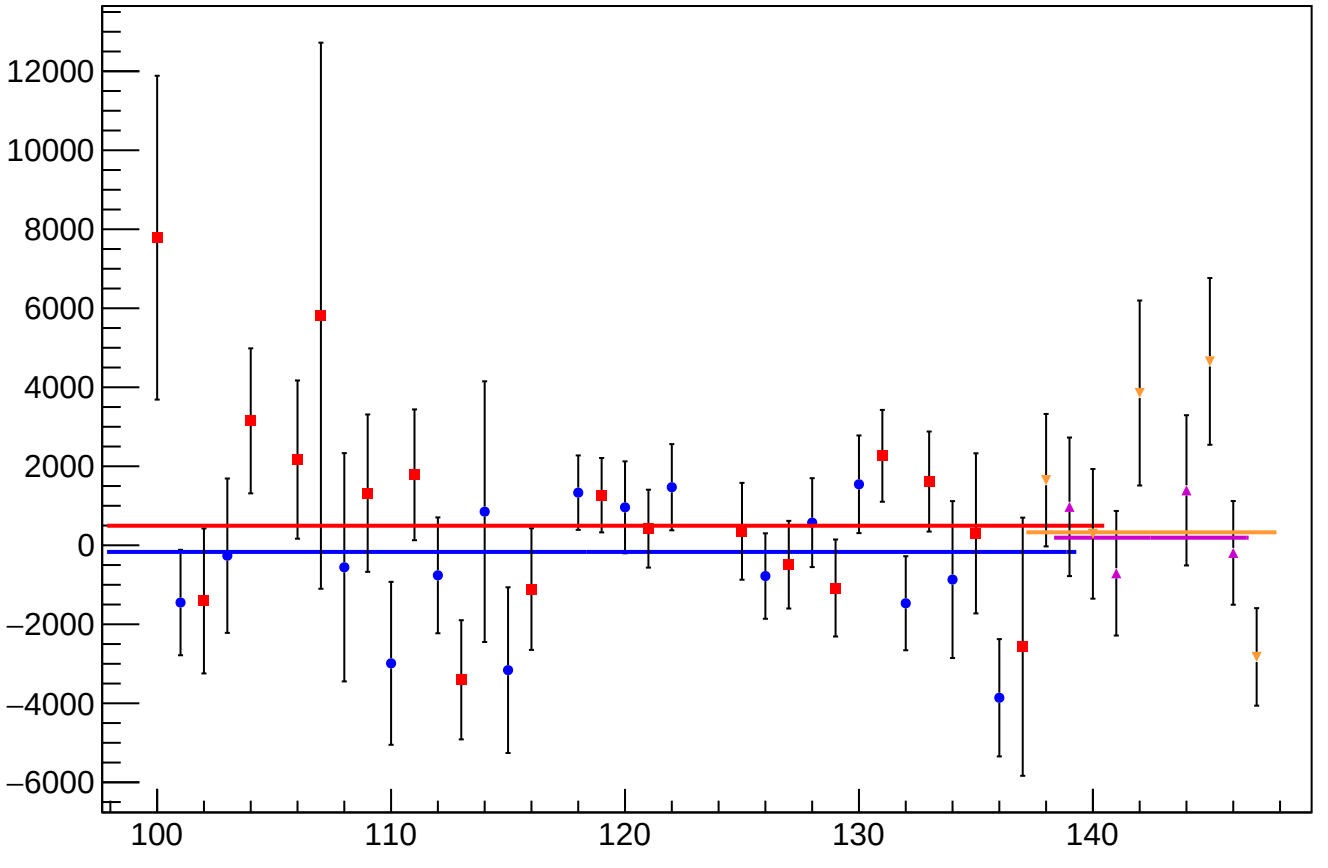
Left: 1114.983+/-0.293 χ^2/NDF: 1450.0/8

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

In: 1106.340+/-0.238 χ^2/NDF:12644.8/19

Out: 1112.043+/-0.236 χ^2/NDF:8557.4/22

All: 1109.215+/-0.168 χ^2/NDF: 21490.9/42



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

Left Out: 328.561+/-747.426 χ^2/NDF:13.6/4

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

Left In: 192.383+/-794.553 χ^2/NDF:1.0/3

Left: 264.630+/-544.408 χ^2/NDF: 14.6/8

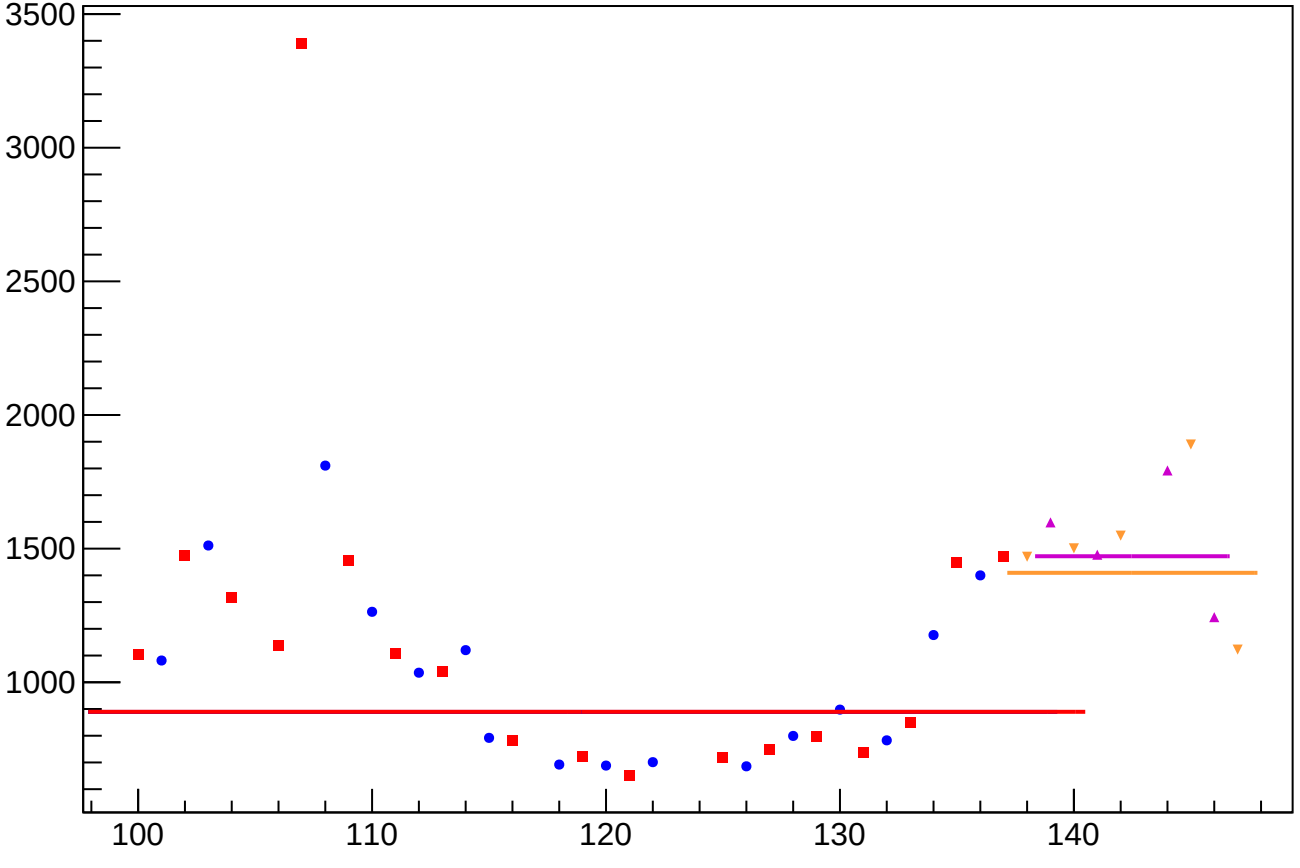
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -110.619+/-316.796 χ^2/NDF:22.2/19

Out: 465.901+/-313.281 χ^2/NDF:36.9/22

All: 180.858+/-222.756 χ^2/NDF: 60.8/42

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1409.511+/-0.529 χ^2/NDF:227653.5/4

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

Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

Left: 1438.635+/-0.385 χ^2/NDF: 361837.5/8

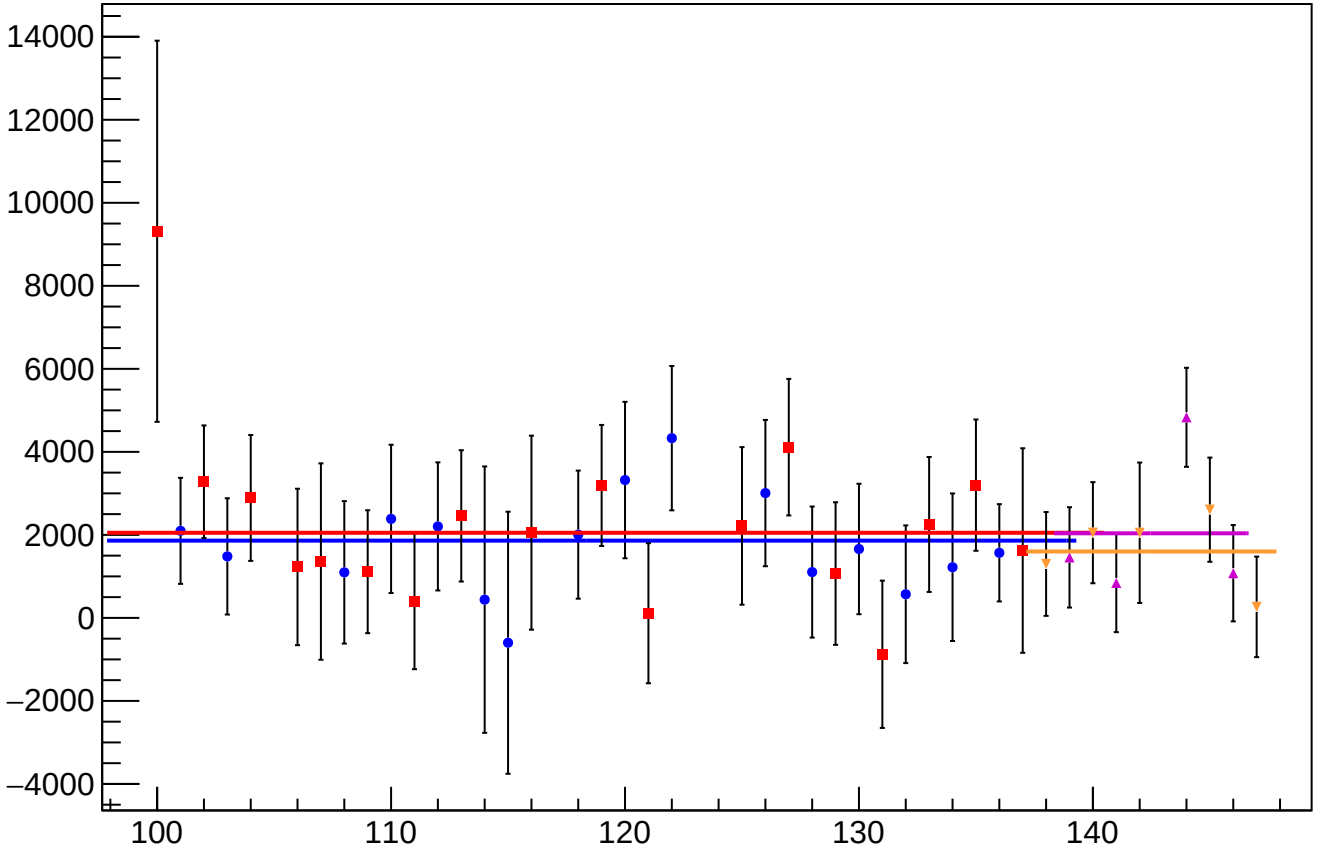
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 981.571+/-0.224 χ^2/NDF:2164808.0/19

Out: 980.839+/-0.222 χ^2/NDF:2371490.8/22

All: 981.201+/-0.158 χ^2/NDF: 4536304.1/42

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1600.144+/-579.293 χ^2/NDF:2.1/4

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

Left In: 2038.301+/-593.176 χ^2/NDF:7.4/3

Left: 1814.035+/-414.443 χ^2/NDF: 9.8/8

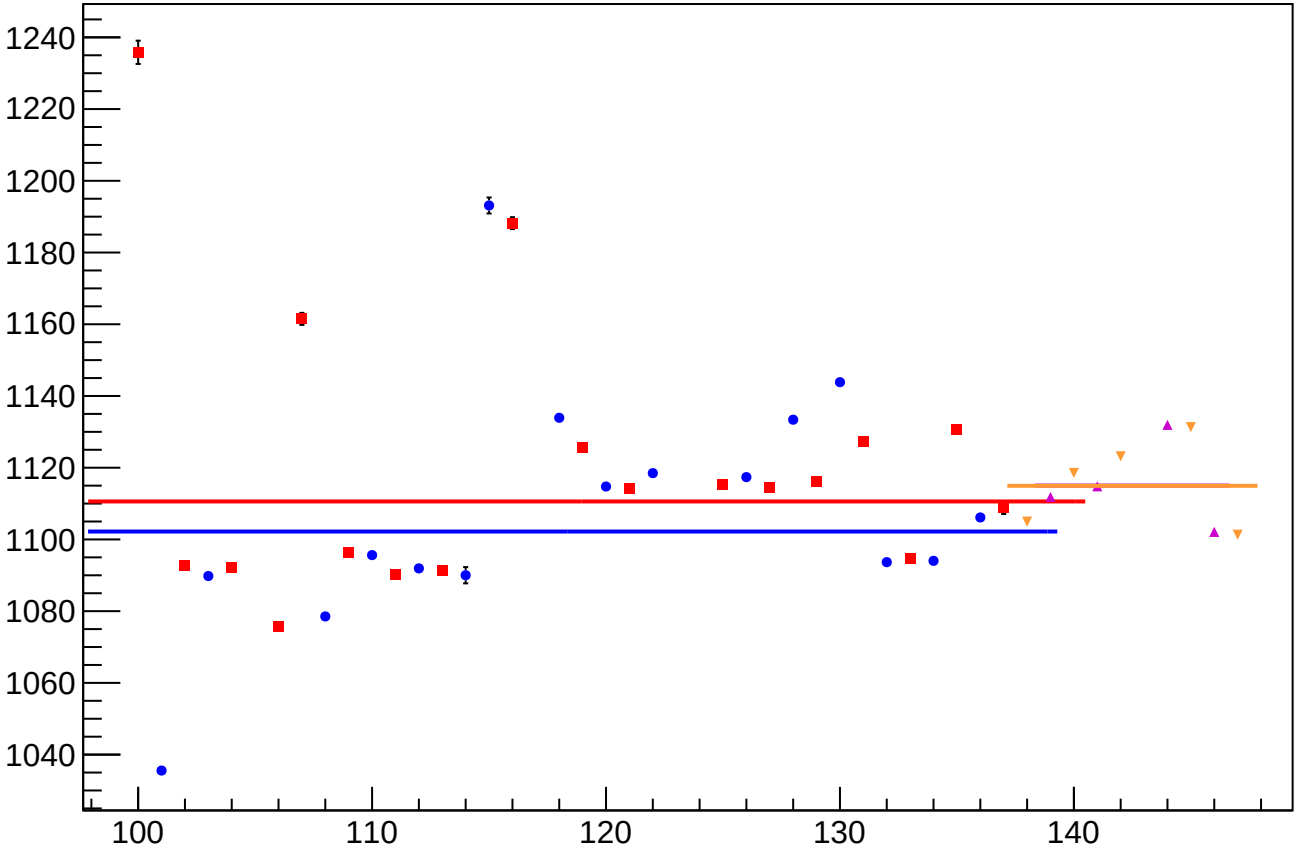
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1918.586+/-337.009 χ^2/NDF:12.8/19

Out: 1900.792+/-334.252 χ^2/NDF:15.1/22

All: 1909.616+/-237.321 χ^2/NDF: 27.9/42

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.952+/-0.410 χ^2/NDF:785.8/4

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

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

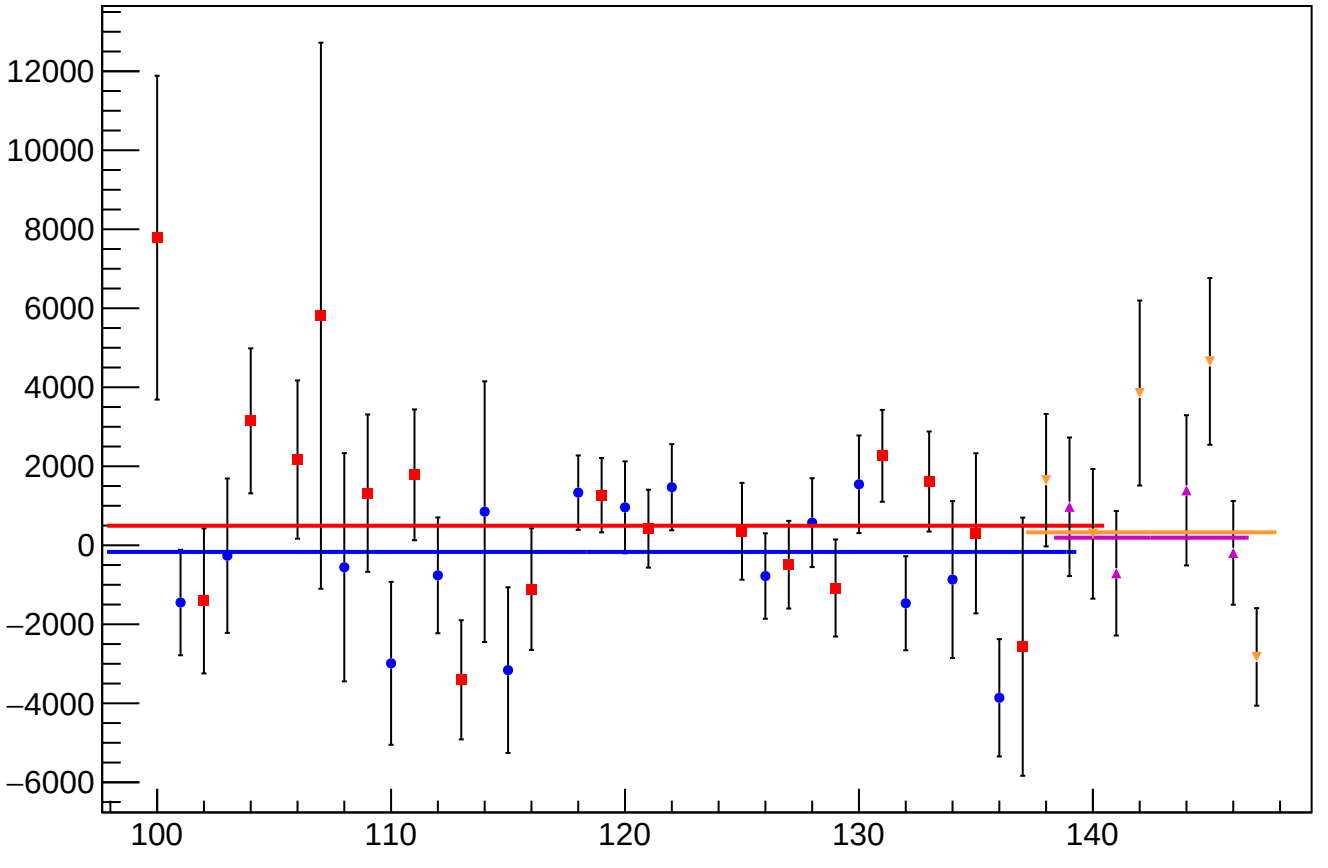
Left: 1114.983+/-0.293 χ^2/NDF: 1450.0/8

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

In: 1106.340+/-0.238 χ^2/NDF:12644.8/19

Out: 1112.043+/-0.236 χ^2/NDF:8557.4/22

All: 1109.215+/-0.168 χ^2/NDF: 21490.9/42



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

Left Out: 328.561+/-747.426 χ^2/NDF:13.6/4

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

Left In: 192.383+/-794.553 χ^2/NDF:1.0/3

Left: 264.630+/-544.408 χ^2/NDF: 14.6/8

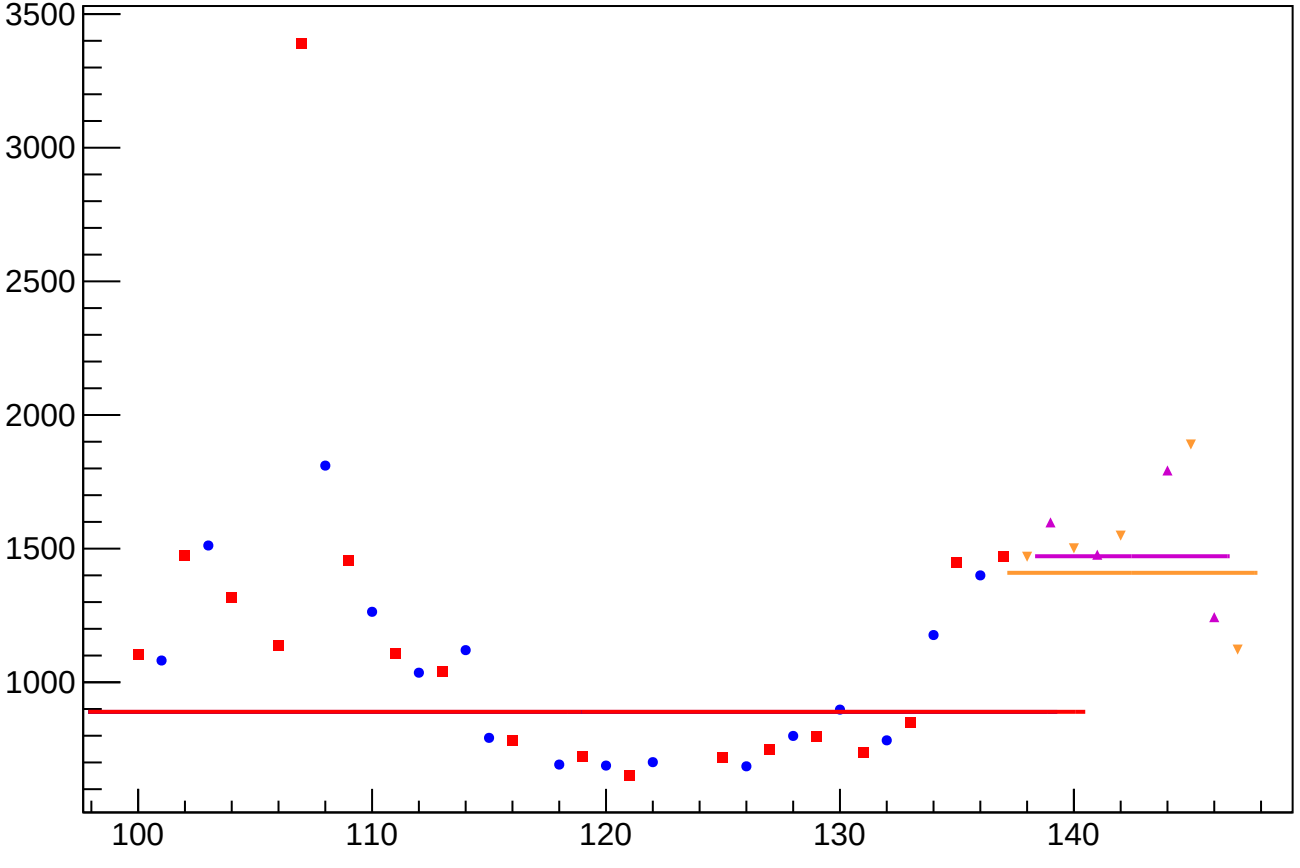
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -110.619+/-316.796 χ^2/NDF:22.2/19

Out: 465.901+/-313.281 χ^2/NDF:36.9/22

All: 180.858+/-222.756 χ^2/NDF: 60.8/42

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1409.511+/-0.529 χ^2/NDF:227653.5/4

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

Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

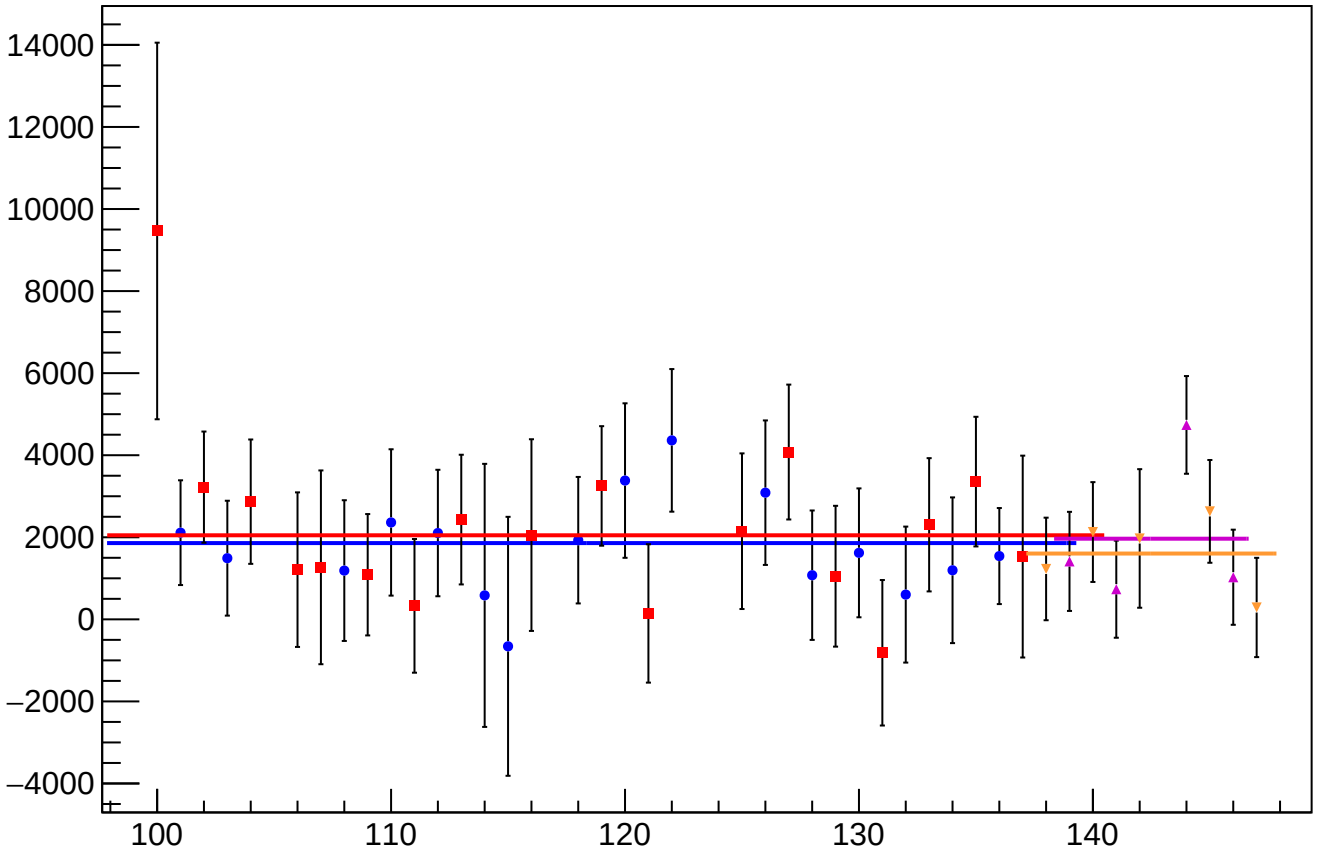
Left: 1438.635+/-0.385 χ^2/NDF: 361837.5/8

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

In: 981.571+/-0.224 χ^2/NDF:2164808.0/19

Out: 980.839+/-0.222 χ^2/NDF:2371490.8/22

All: 981.201+/-0.158 χ^2/NDF: 4536304.1/42



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

Left Out: 1603.670+/-578.542 χ^2/NDF:2.2/4

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

Left In: 1965.388+/-592.413 χ^2/NDF:7.4/3

Left: 1780.245+/-413.908 χ^2/NDF: 9.7/8

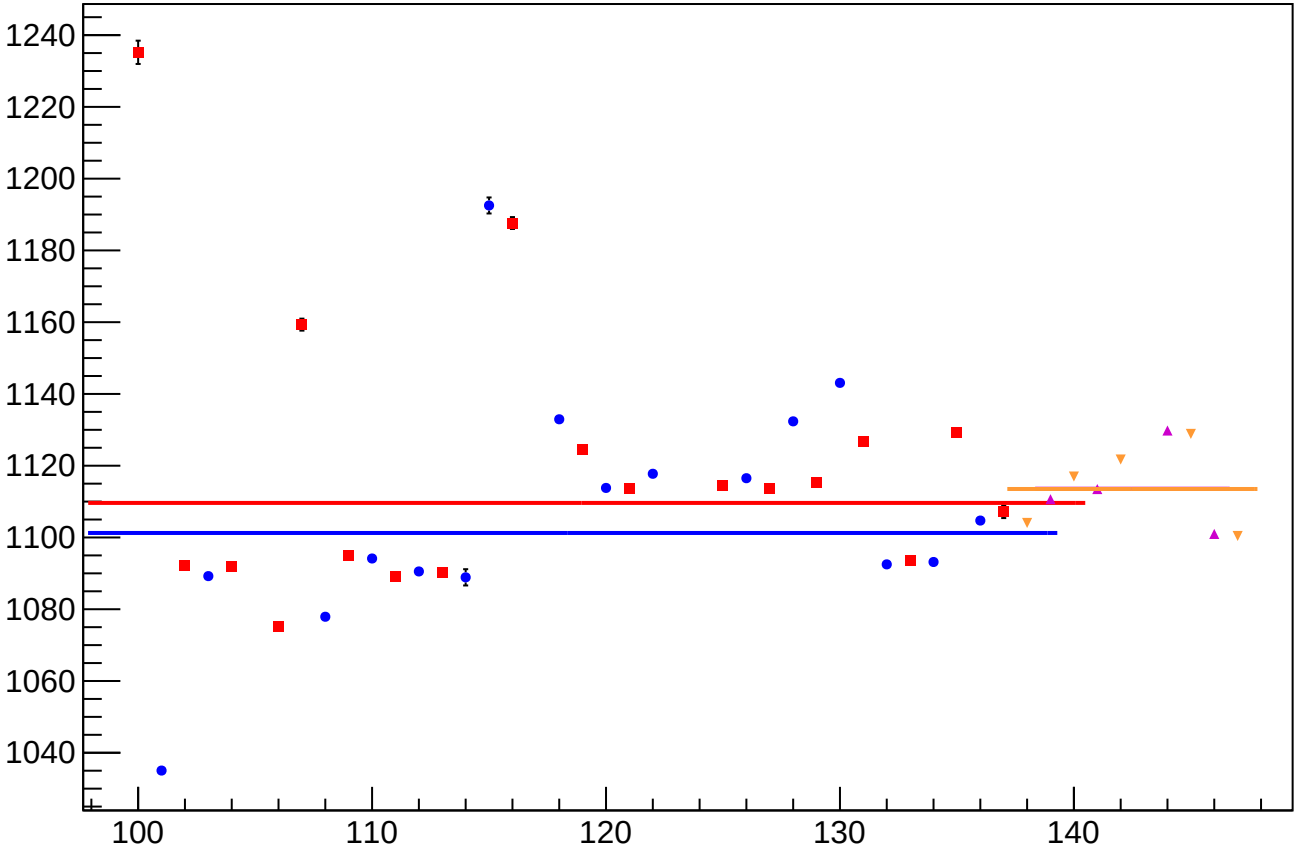
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1893.145+/-336.672 χ^2/NDF:12.8/19

Out: 1900.435+/-333.914 χ^2/NDF:15.3/22

All: 1896.820+/-237.082 χ^2/NDF: 28.1/42

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1113.513+/-0.409 χ^2/NDF:713.1/4

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

Left In: 1113.586+/-0.419 χ^2/NDF:619.1/3

Left: 1113.549+/-0.293 χ^2/NDF: 1332.2/8

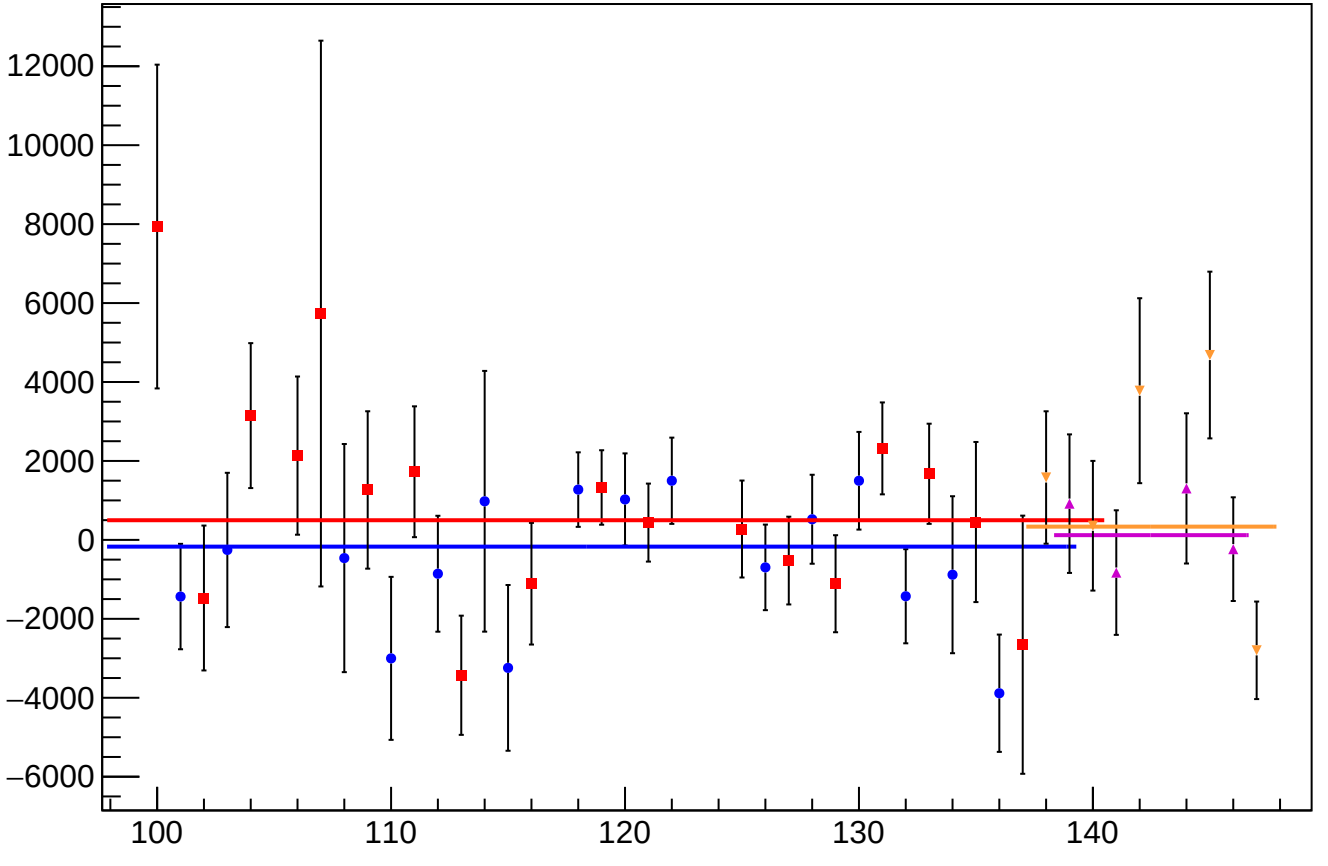
Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

In: 1105.237+/-0.238 χ^2/NDF:12514.1/19

Out: 1110.923+/-0.236 χ^2/NDF:8446.3/22

All: 1108.103+/-0.168 χ^2/NDF: 21247.9/42

asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: 335.709+/-747.960 χ^2/NDF:13.4/4

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

Left In: 119.811+/-795.099 χ^2/NDF:1.0/3

Left: 234.349+/-544.790 χ^2/NDF: 14.5/8

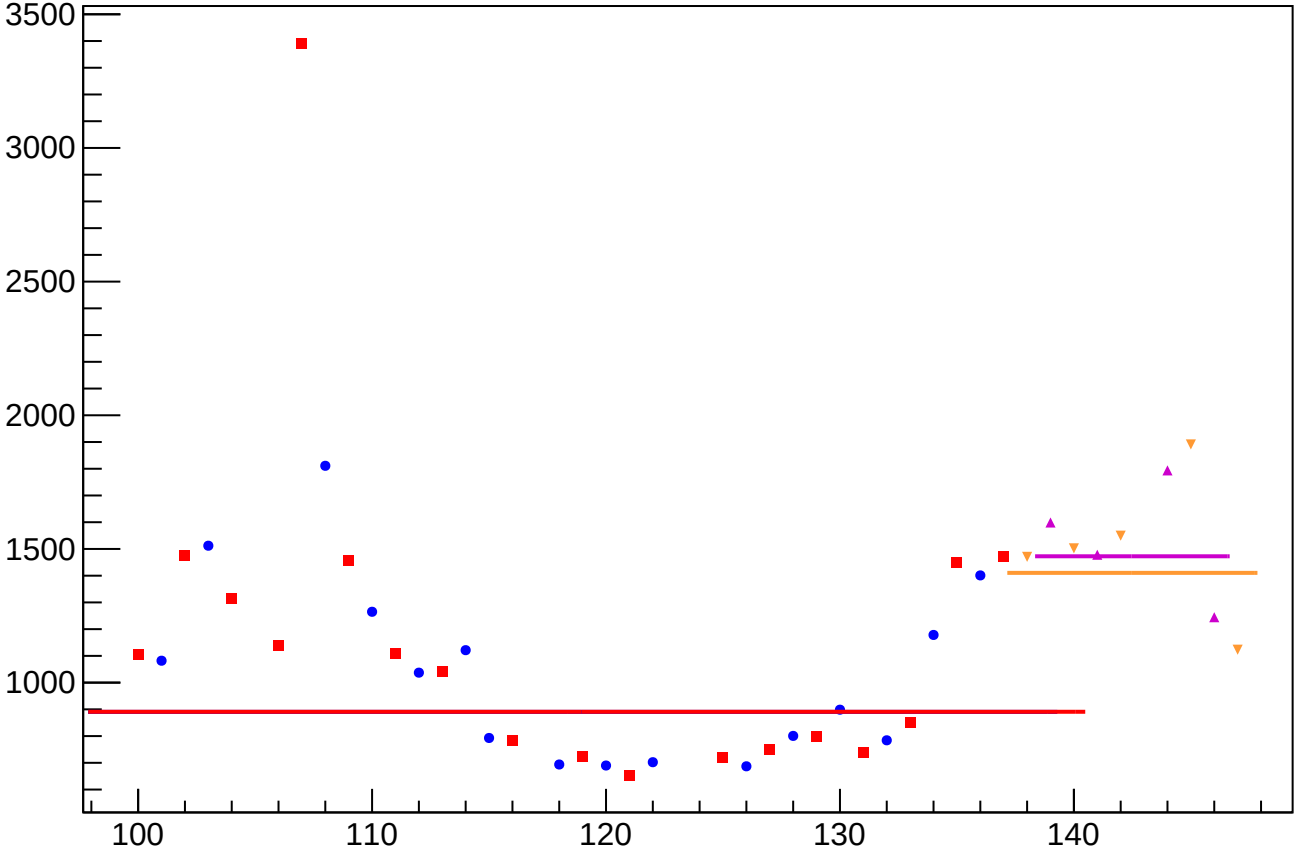
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: -124.643+/-317.247 χ^2/NDF:22.1/19

Out: 469.417+/-313.703 χ^2/NDF:37.3/22

All: 175.723+/-223.064 χ^2/NDF: 61.2/42

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1410.539+/-0.529 χ^2/NDF:227549.2/4

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

Left In: 1472.577+/-0.562 χ^2/NDF:127631.4/3

Left: 1439.665+/-0.385 χ^2/NDF: 361640.3/8

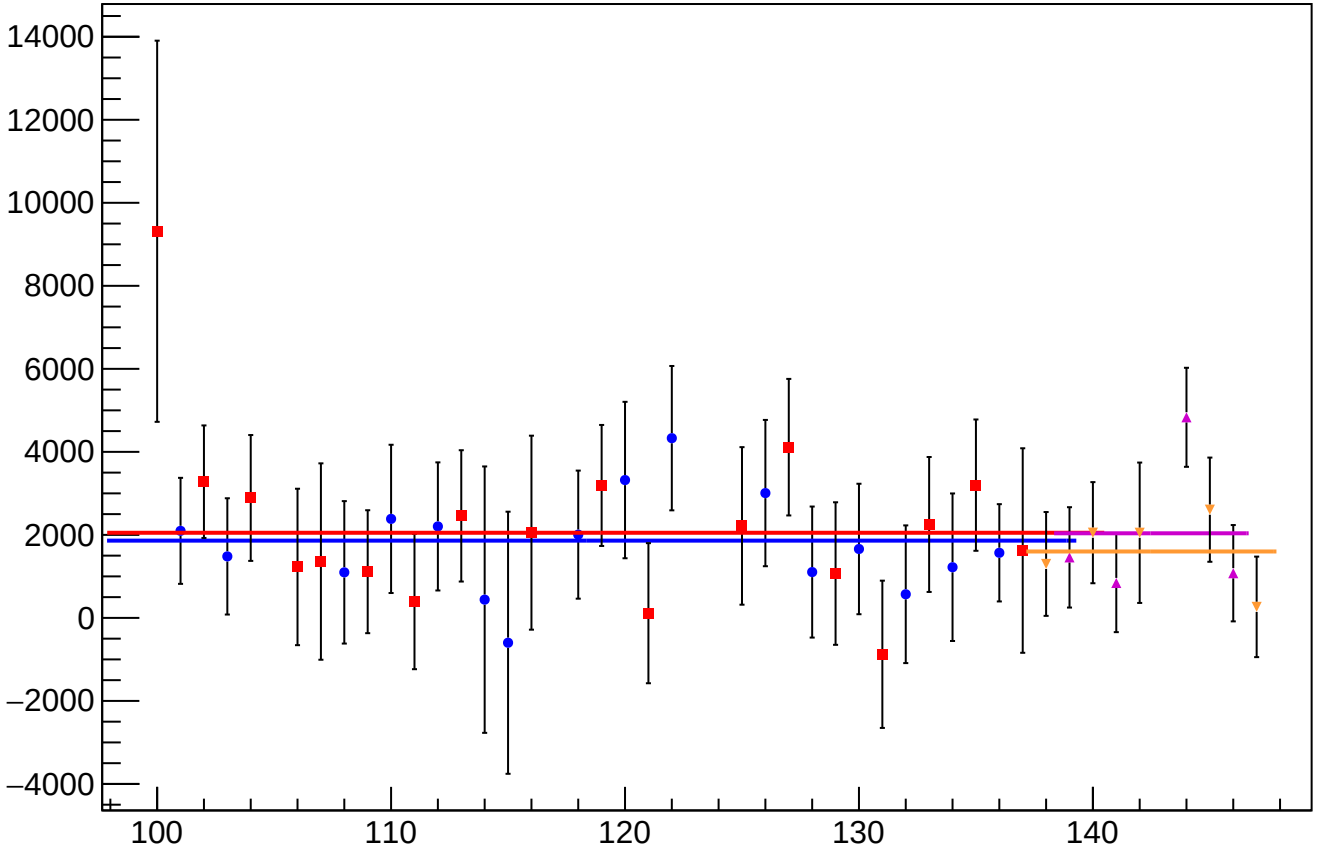
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 983.164+/-0.224 χ^2/NDF:2157626.4/19

Out: 982.339+/-0.222 χ^2/NDF:2364760.3/22

All: 982.747+/-0.158 χ^2/NDF: 4522393.6/42

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1600.144+/-579.293 χ^2/NDF:2.1/4

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

Left In: 2038.301+/-593.176 χ^2/NDF:7.4/3

Left: 1814.035+/-414.443 χ^2/NDF: 9.8/8

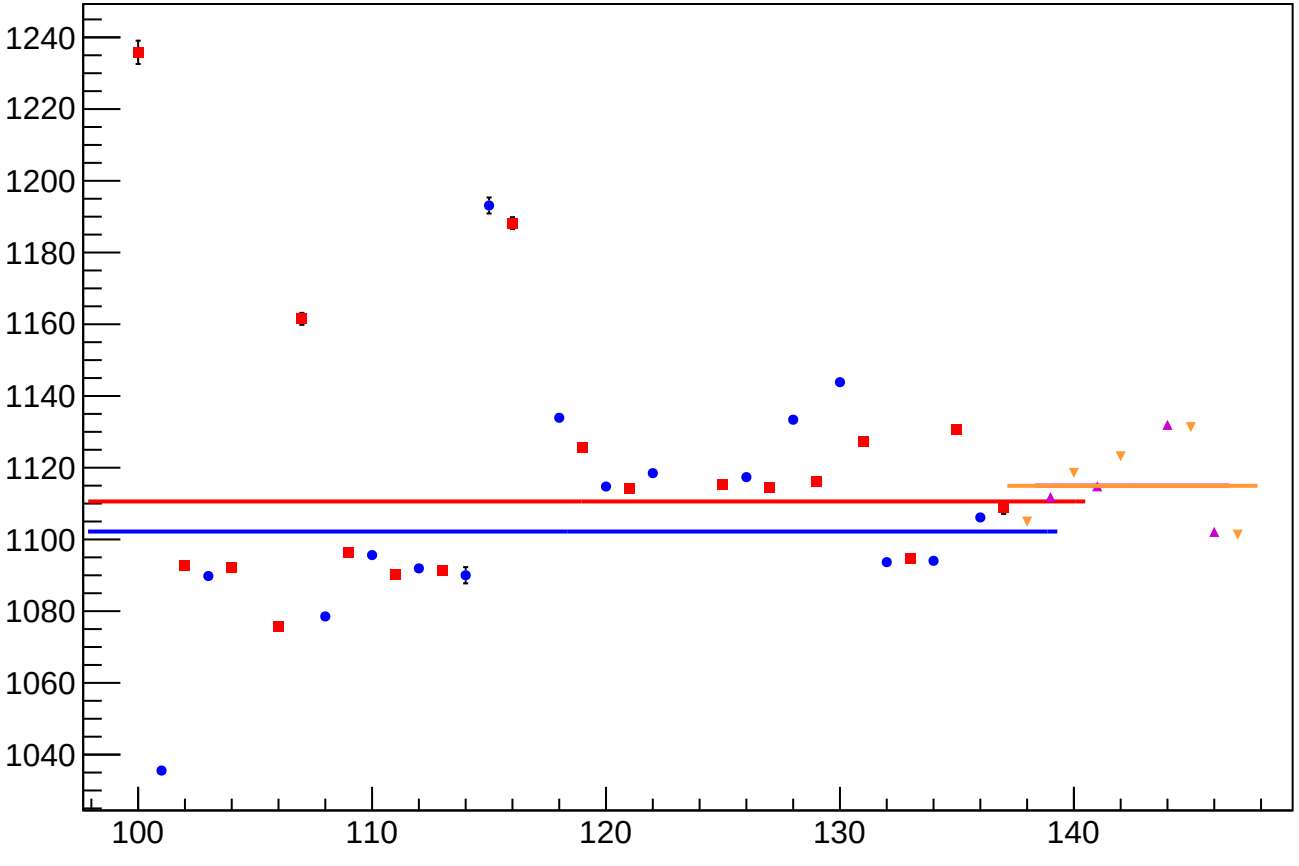
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1918.586+/-337.009 χ^2/NDF:12.8/19

Out: 1900.792+/-334.252 χ^2/NDF:15.1/22

All: 1909.616+/-237.321 χ^2/NDF: 27.9/42

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1114.952+/-0.410 χ^2/NDF:785.8/4

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

Left In: 1115.015+/-0.419 χ^2/NDF:664.2/3

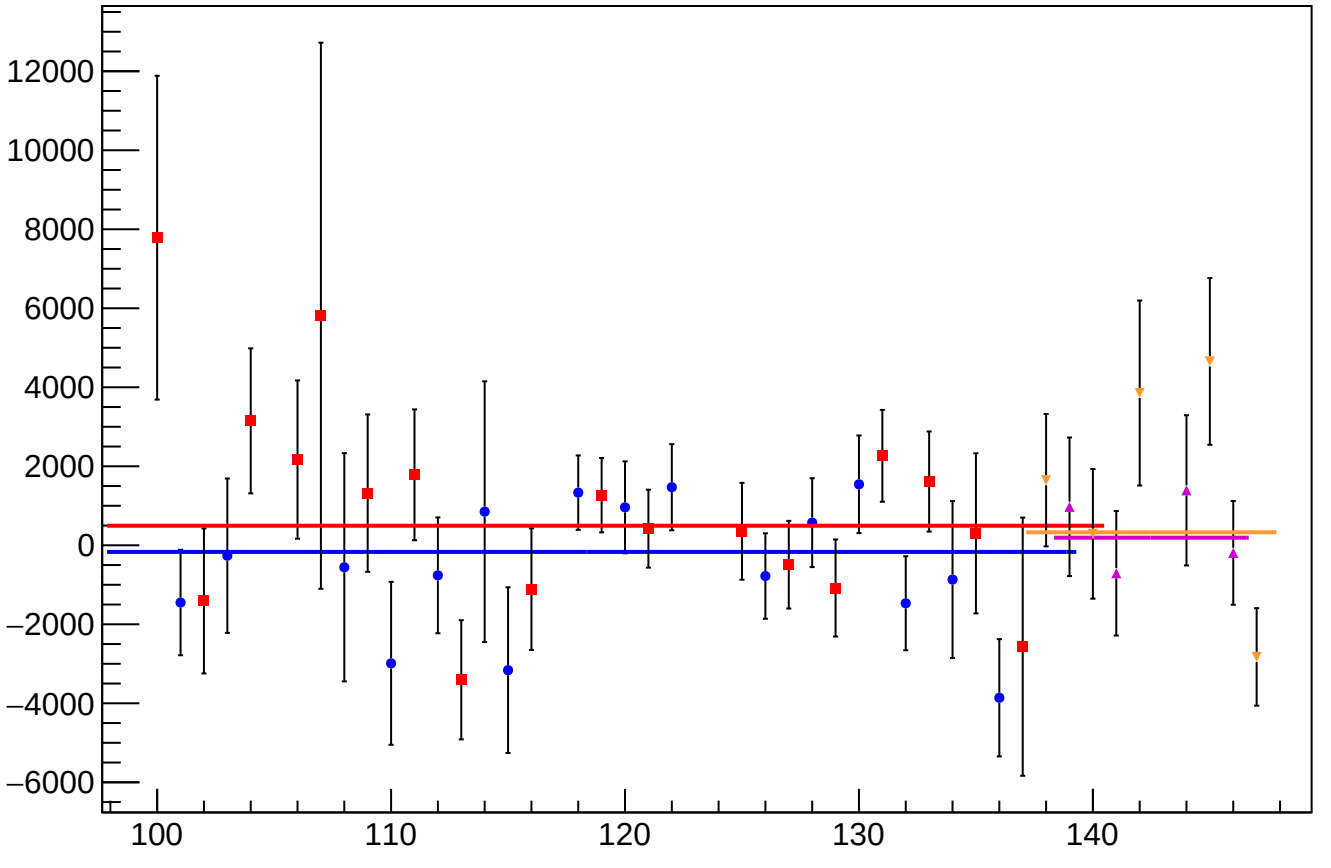
Left: 1114.983+/-0.293 χ^2/NDF: 1450.0/8

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

In: 1106.340+/-0.238 χ^2/NDF:12644.8/19

Out: 1112.043+/-0.236 χ^2/NDF:8557.4/22

All: 1109.215+/-0.168 χ^2/NDF: 21490.9/42



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

Left Out: 328.561+/-747.426 χ^2/NDF:13.6/4

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

Left In: 192.383+/-794.553 χ^2/NDF:1.0/3

Left: 264.630+/-544.408 χ^2/NDF: 14.6/8

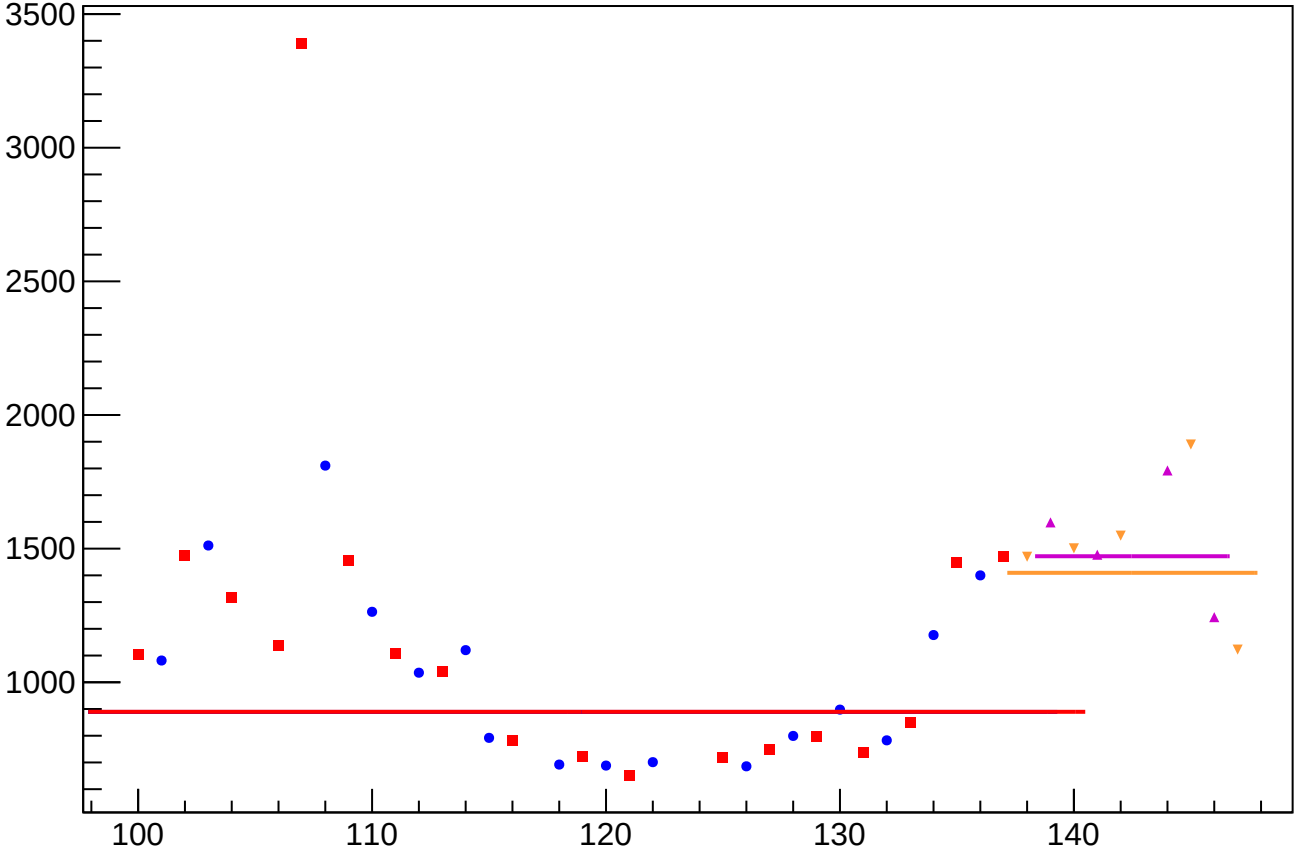
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -110.619+/-316.796 χ^2/NDF:22.2/19

Out: 465.901+/-313.281 χ^2/NDF:36.9/22

All: 180.858+/-222.756 χ^2/NDF: 60.8/42

asym_usl_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1409.511+/-0.529 χ^2/NDF:227653.5/4

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

Left In: 1471.548+/-0.562 χ^2/NDF:127715.6/3

Left: 1438.635+/-0.385 χ^2/NDF: 361837.5/8

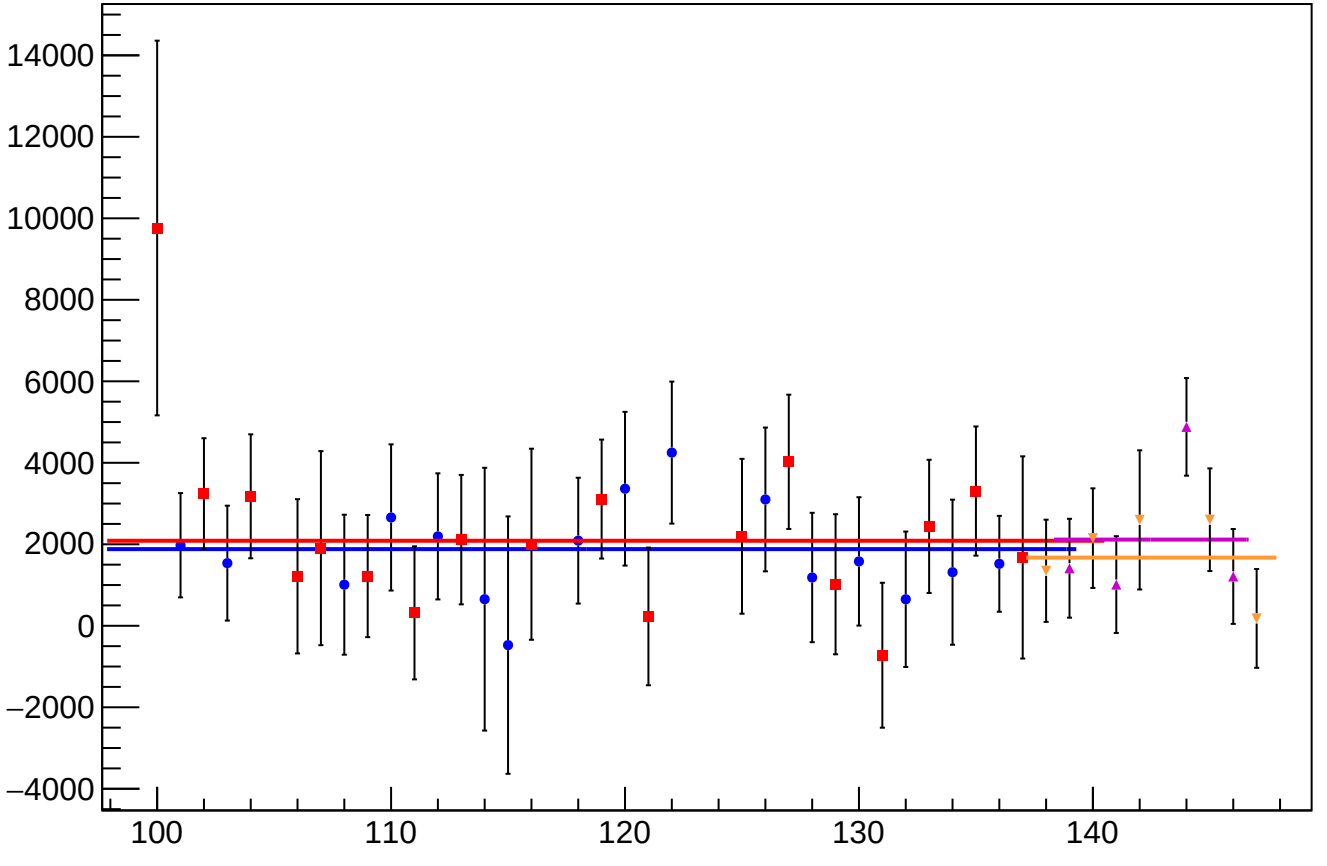
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 981.571+/-0.224 χ^2/NDF:2164808.0/19

Out: 980.839+/-0.222 χ^2/NDF:2371490.8/22

All: 981.201+/-0.158 χ^2/NDF: 4536304.1/42

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1673.418+/-581.345 χ^2/NDF:2.6/4

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 2115.384+/-595.141 χ^2/NDF:7.1/3

Left: 1889.219+/-415.865 χ^2/NDF: 10.0/8

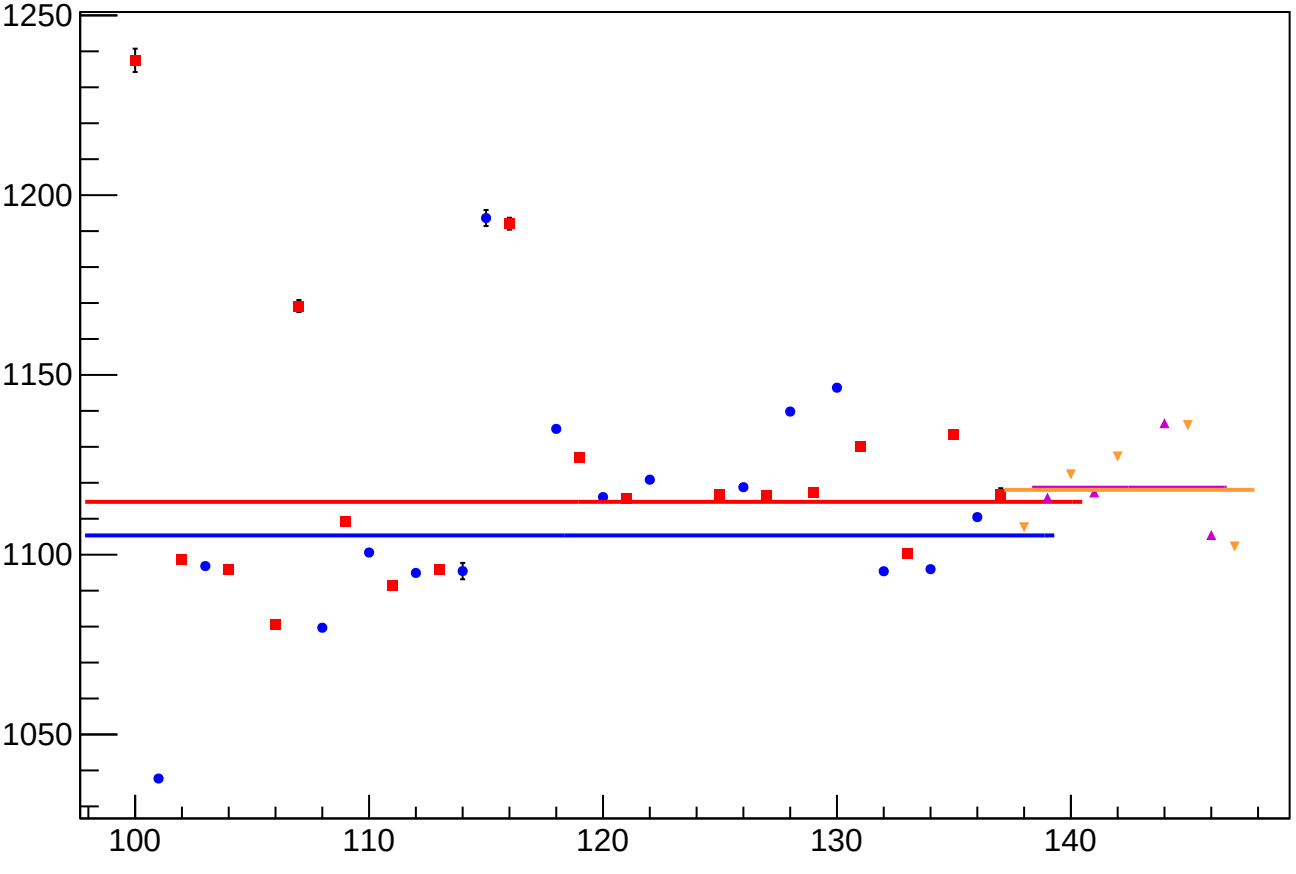
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1956.966+/-338.025 χ^2/NDF:12.4/19

Out: 1949.192+/-335.483 χ^2/NDF:15.3/22

All: 1953.050+/-238.116 χ^2/NDF: 27.7/42

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1118.042+/-0.411 χ^2/NDF:967.8/4

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1118.635+/-0.421 χ^2/NDF:717.5/3

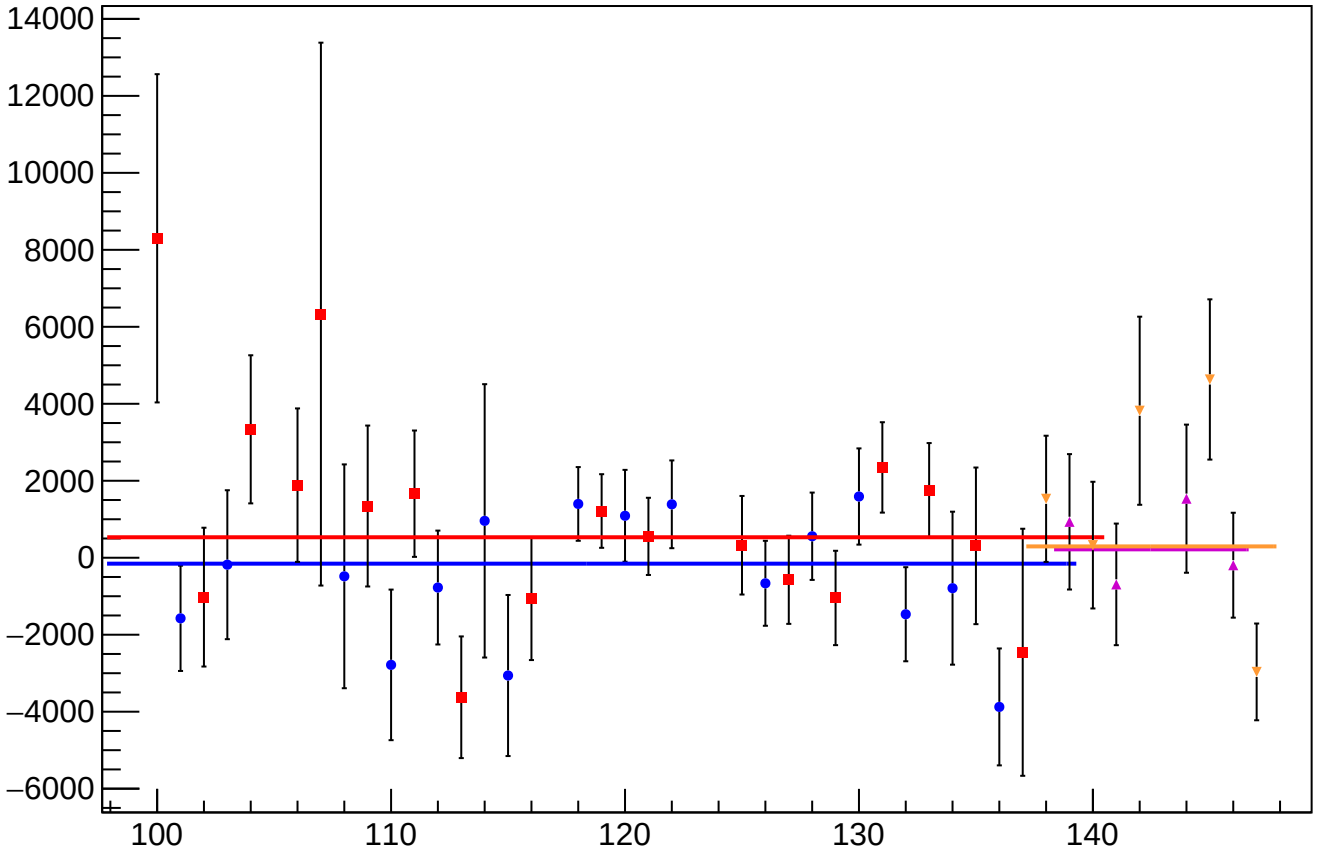
Left: 1118.331+/-0.294 χ^2/NDF: 1686.4/8

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

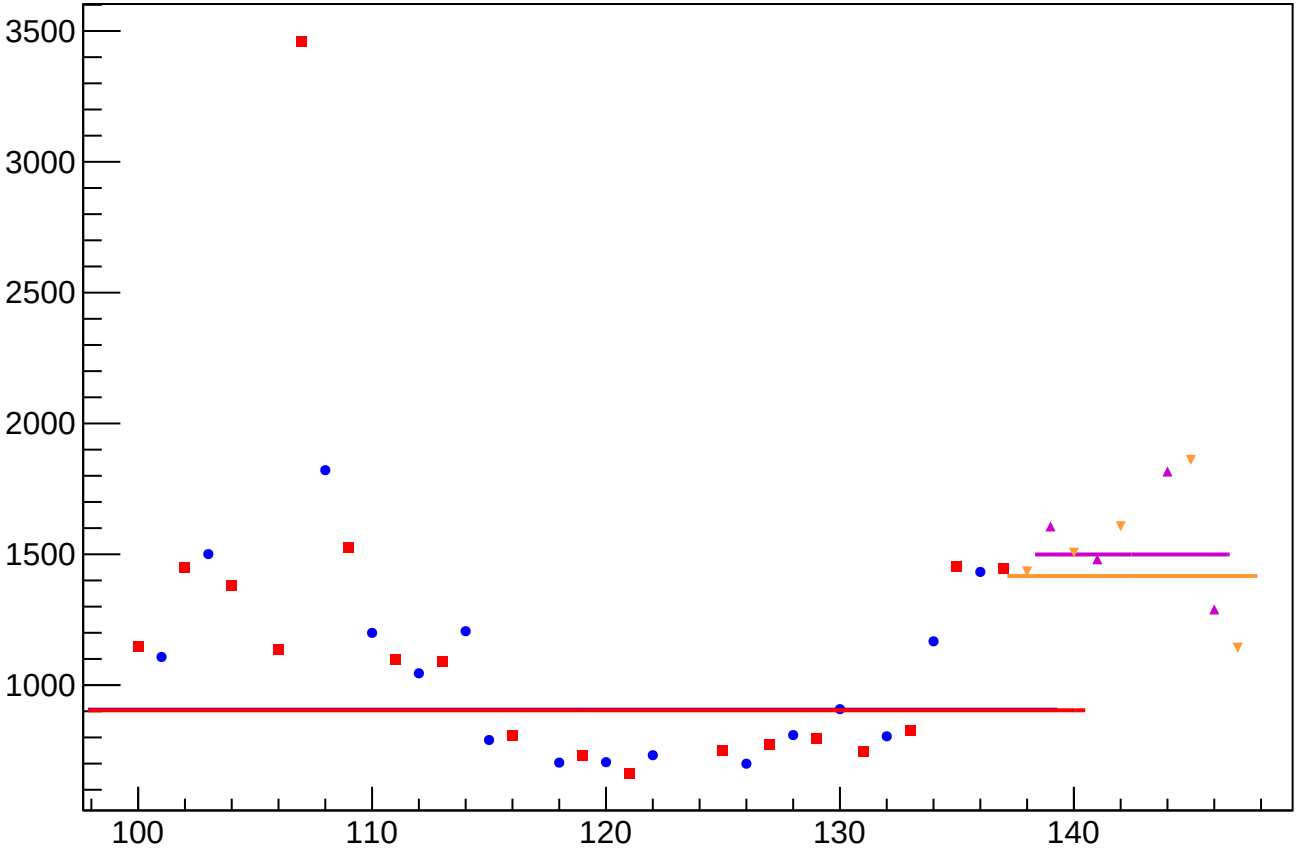
In: 1109.639+/-0.239 χ^2/NDF:12723.0/19

Out: 1115.816+/-0.237 χ^2/NDF:8342.1/22

All: 1112.751+/-0.168 χ^2/NDF: 21401.5/42


asym_usl_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: 294.416+/-751.078 χ²/NDF:13.7/4
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 218.129+/-807.823 χ²/NDF:1.1/3
Left: 259.046+/-550.060 χ²/NDF: 14.8/8
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: -94.812+/-322.170 χ²/NDF:21.7/19
Out: 489.659+/-317.548 χ²/NDF:37.0/22
All: 201.645+/-226.157 χ²/NDF: 60.4/42

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1416.925+/-0.531 χ^2/NDF:204221.3/4

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1499.261+/-0.571 χ^2/NDF:109449.7/3

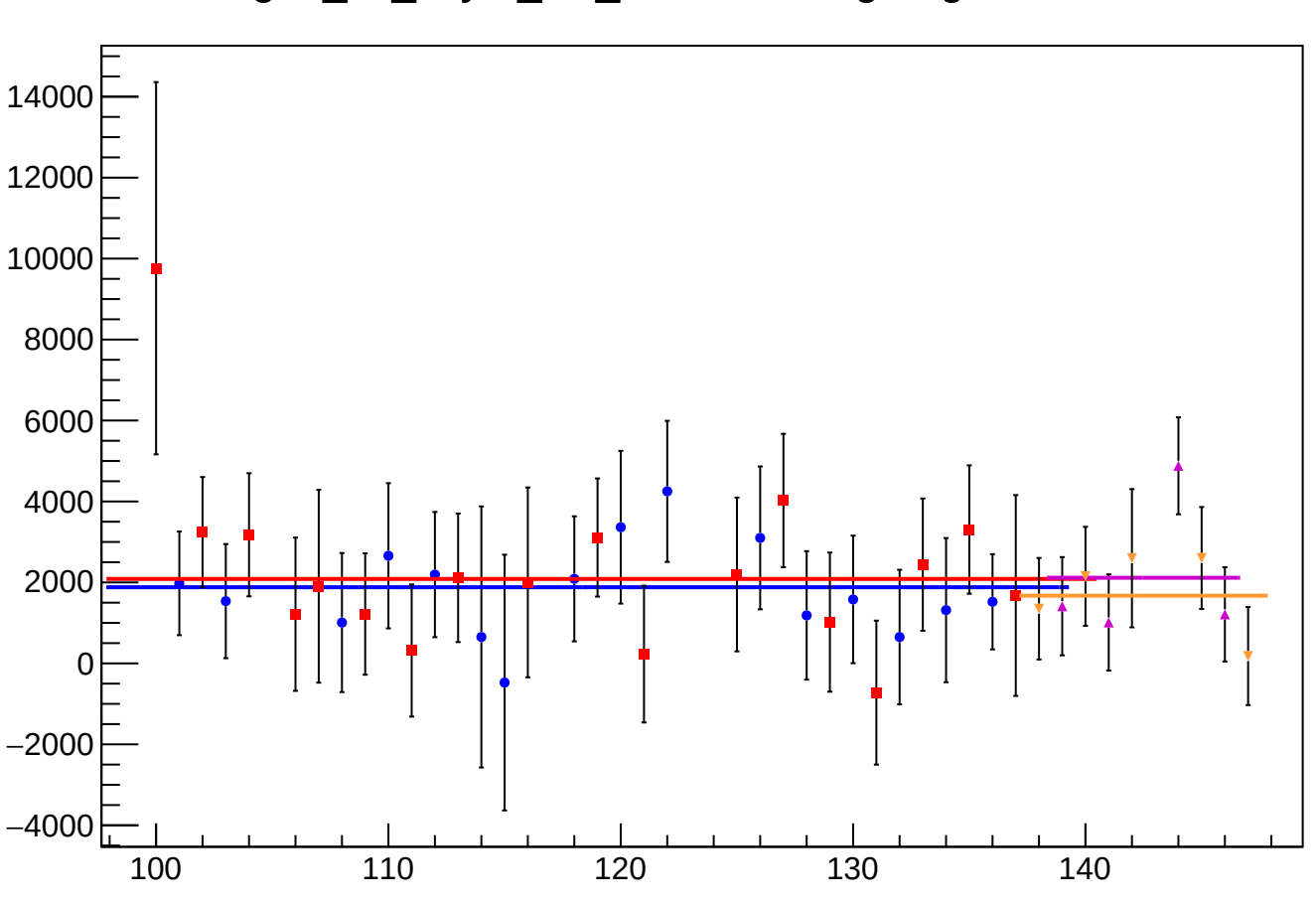
Left: 1455.100+/-0.389 χ^2/NDF: 324814.8/8

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

In: 1000.389+/-0.228 χ^2/NDF:2095883.1/19

Out: 995.484+/-0.225 χ^2/NDF:2310964.2/22

All: 997.901+/-0.160 χ^2/NDF: 4407082.5/42



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1673.418+/-581.345 χ^2/NDF:2.6/4

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 2115.385+/-595.141 χ^2/NDF:7.1/3

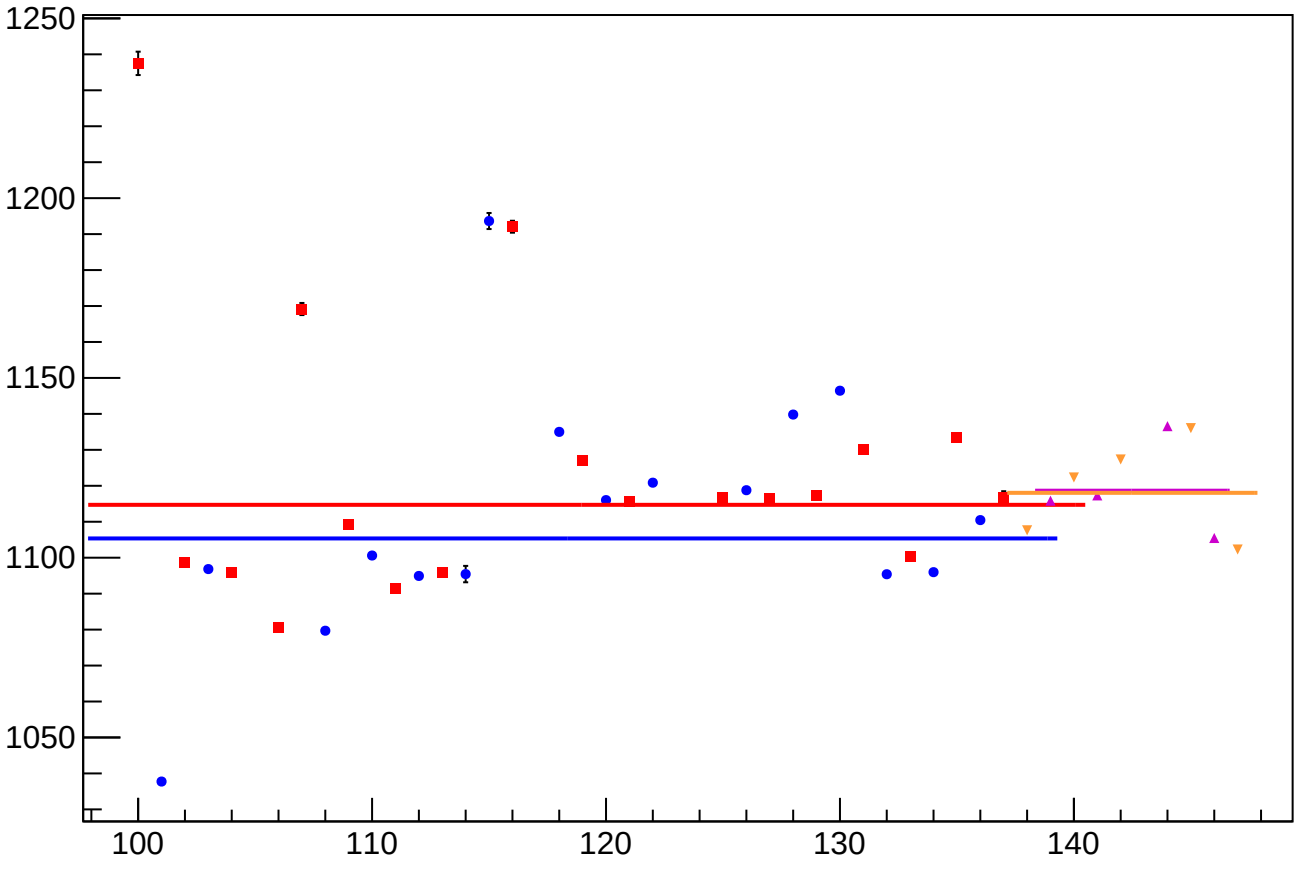
Left: 1889.220+/-415.865 χ^2/NDF: 10.0/8

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

In: 1956.966+/-338.025 χ^2/NDF:12.4/19

Out: 1949.190+/-335.483 χ^2/NDF:15.3/22

All: 1953.049+/-238.116 χ^2/NDF: 27.7/42



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1118.042+/-0.411 χ^2/NDF:967.8/4

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1118.635+/-0.421 χ^2/NDF:717.5/3

Left: 1118.331+/-0.294 χ^2/NDF: 1686.4/8

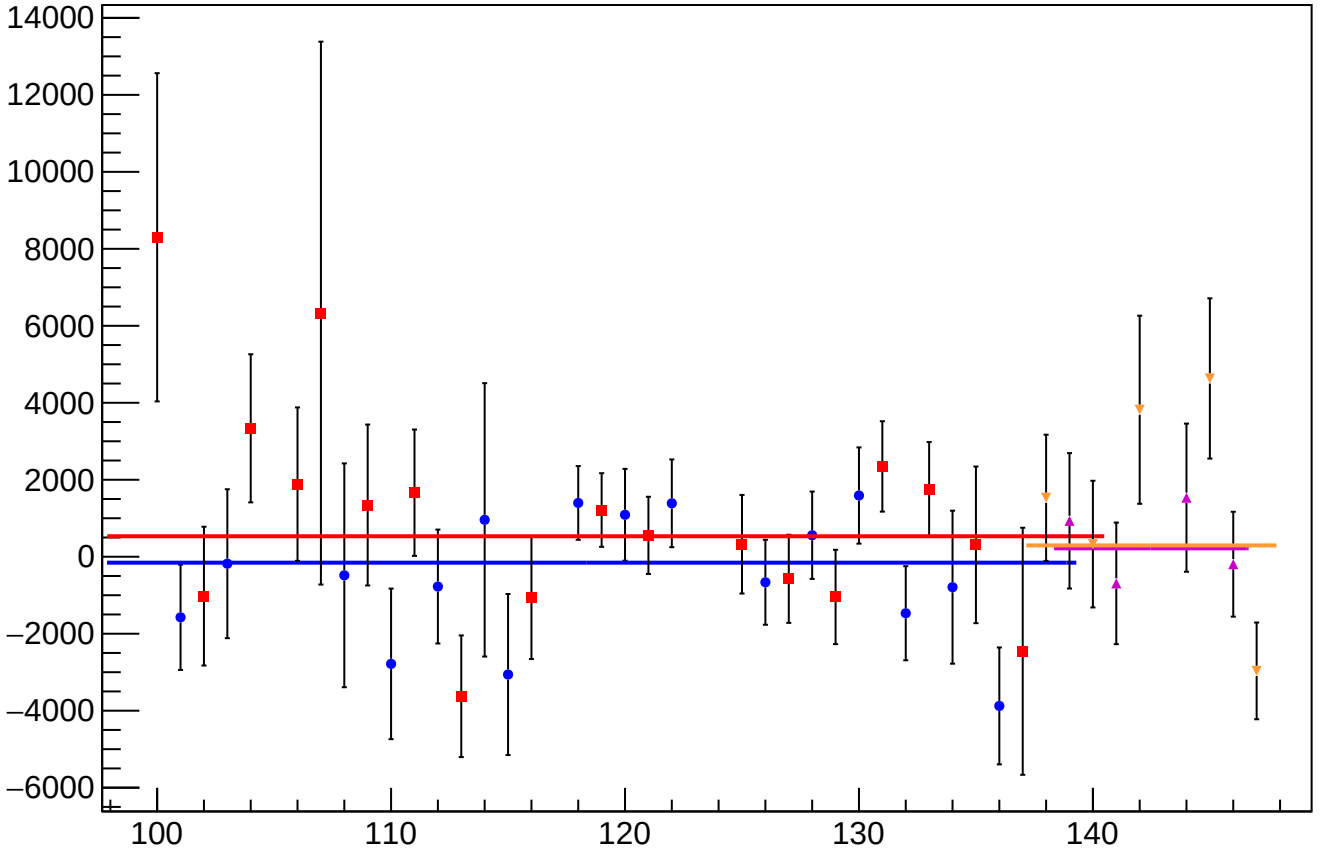
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1109.639+/-0.239 χ^2/NDF:12723.0/19

Out: 1115.816+/-0.237 χ^2/NDF:8342.0/22

All: 1112.751+/-0.168 χ^2/NDF: 21401.5/42

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: 294.414+/-751.079 χ^2/NDF:13.7/4

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 218.130+/-807.824 χ^2/NDF:1.1/3

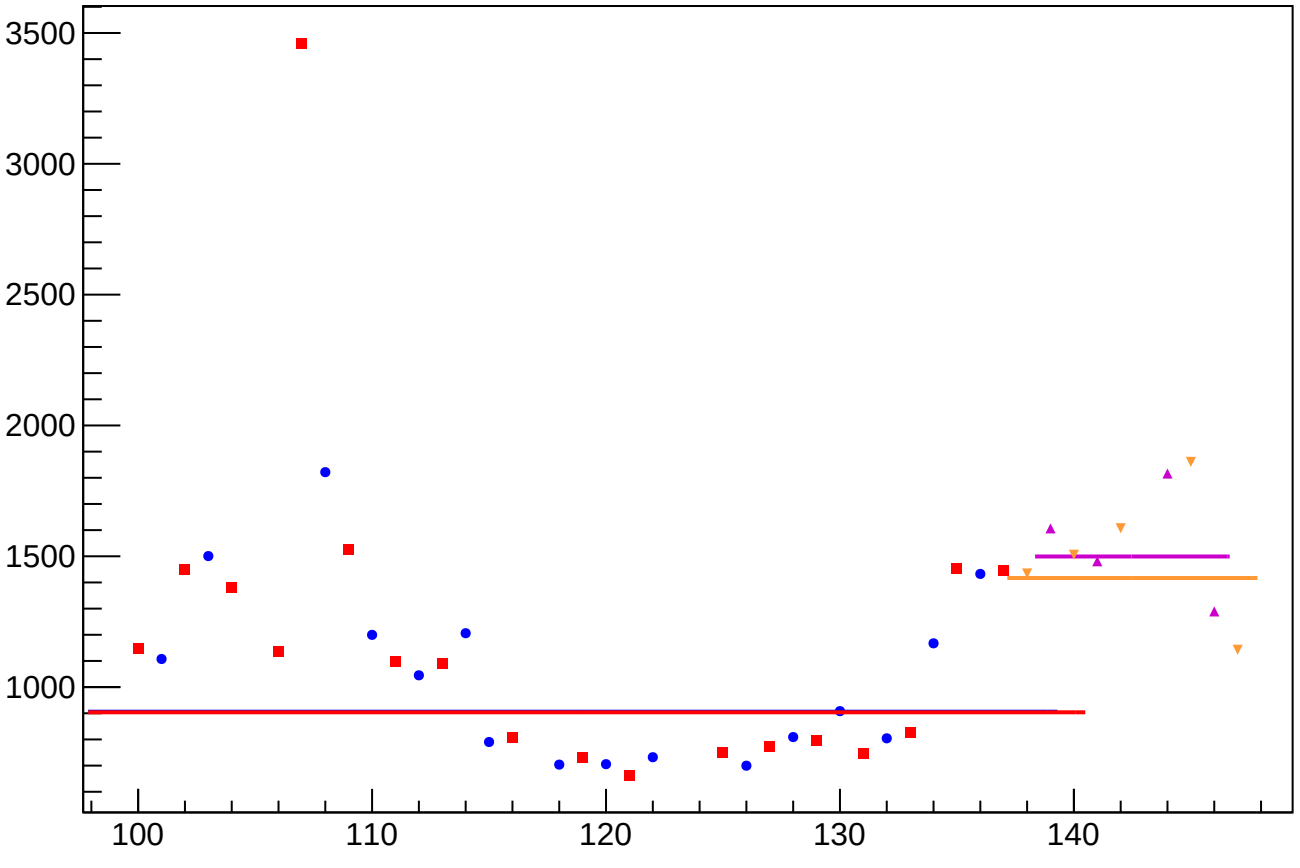
Left: 259.046+/-550.061 χ^2/NDF: 14.8/8

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

In: -94.811+/-322.169 χ^2/NDF:21.7/19

Out: 489.658+/-317.548 χ^2/NDF:37.0/22

All: 201.646+/-226.157 χ^2/NDF: 60.4/42



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1416.927+/-0.531 χ^2/NDF:204220.2/4

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1499.263+/-0.571 χ^2/NDF:109449.5/3

Left: 1455.102+/-0.389 χ^2/NDF: 324813.4/8

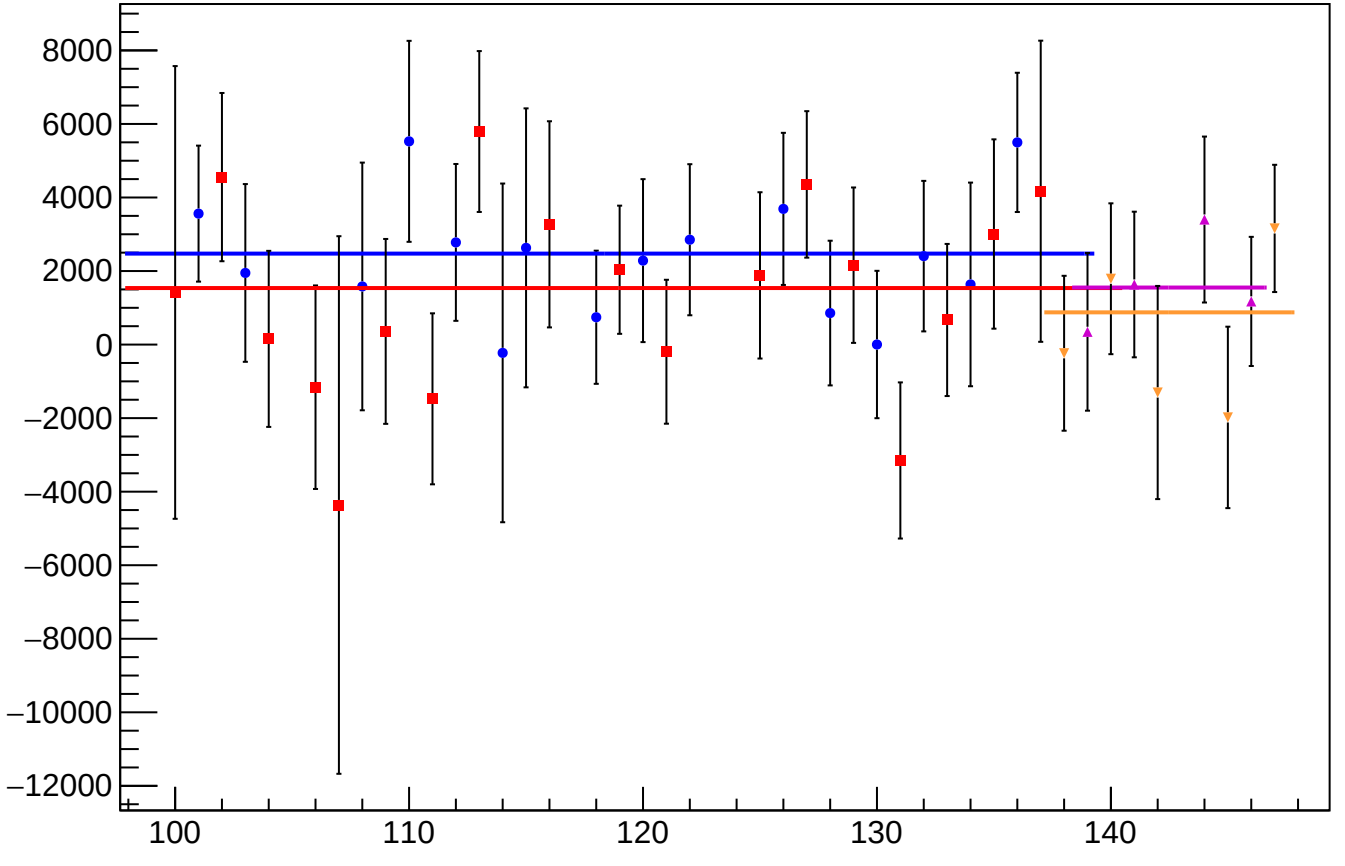
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1000.387+/-0.228 χ^2/NDF:2095898.4/19

Out: 995.482+/-0.225 χ^2/NDF:2310978.3/22

All: 997.899+/-0.160 χ^2/NDF: 4407111.9/42

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 876.454+/-962.038 χ^2/NDF:4.1/4

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1551.279+/-1003.437 χ^2/NDF:1.0/3

Left: 1199.659+/-694.438 χ^2/NDF: 5.4/8

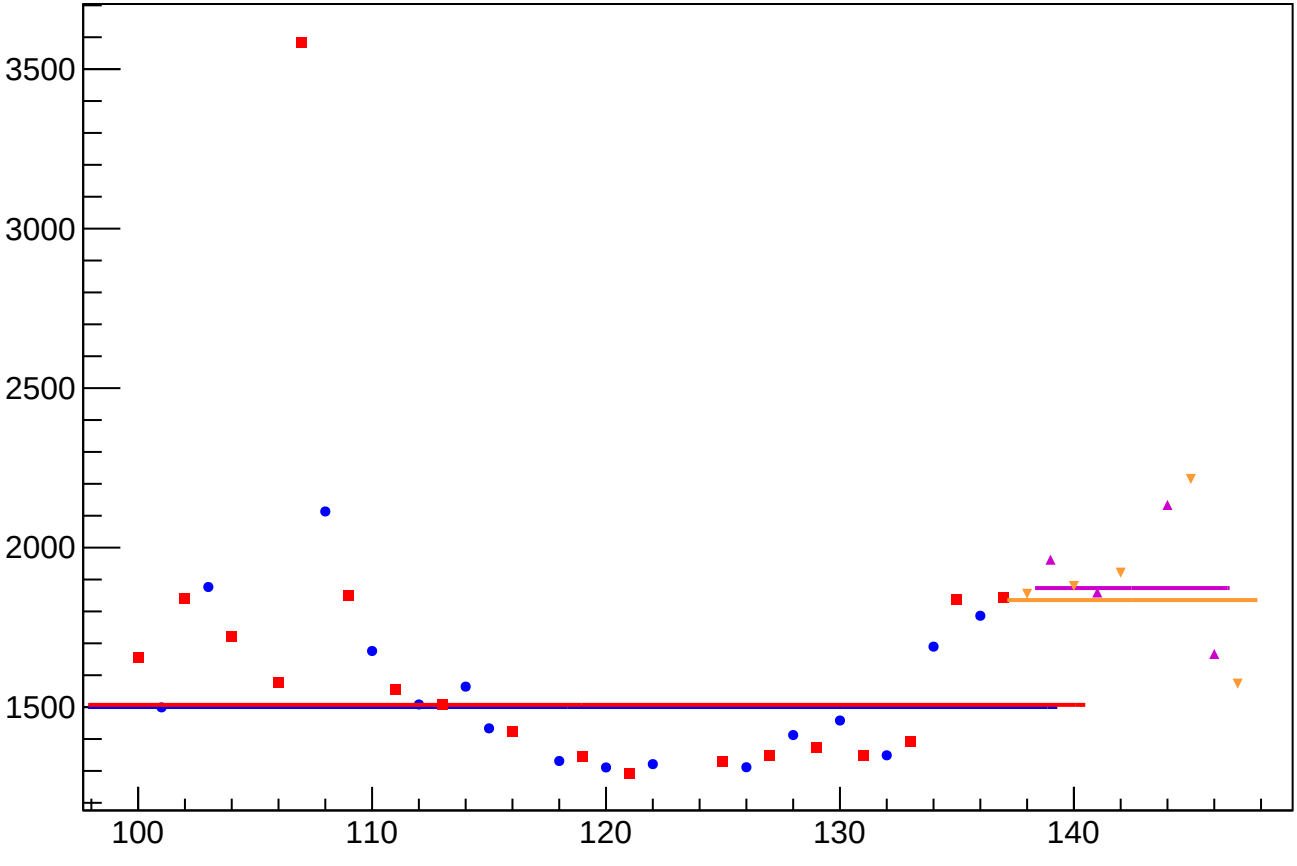
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 2253.246+/-490.861 χ^2/NDF:9.9/19

Out: 1368.565+/-486.266 χ^2/NDF:23.0/22

All: 1806.746+/-345.455 χ^2/NDF: 34.5/42

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1835.562+/-0.680 χ^2/NDF:96077.3/4

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1873.261+/-0.710 χ^2/NDF:57890.9/3

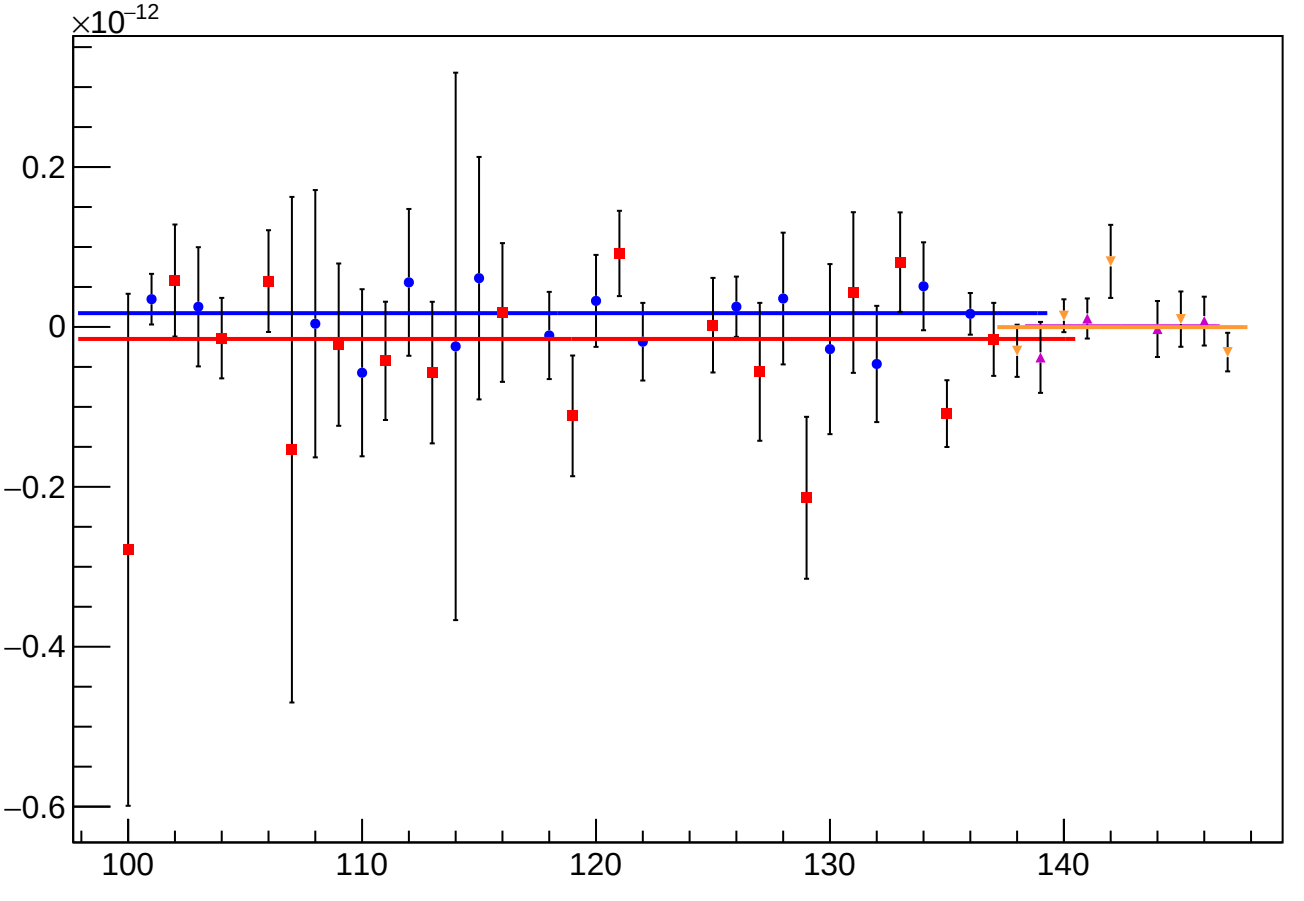
Left: 1853.618+/-0.491 χ^2/NDF: 155439.2/8

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

In: 1589.607+/-0.347 χ^2/NDF:526777.2/19

Out: 1591.015+/-0.344 χ^2/NDF:670883.7/22

All: 1590.318+/-0.244 χ^2/NDF: 1197669.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

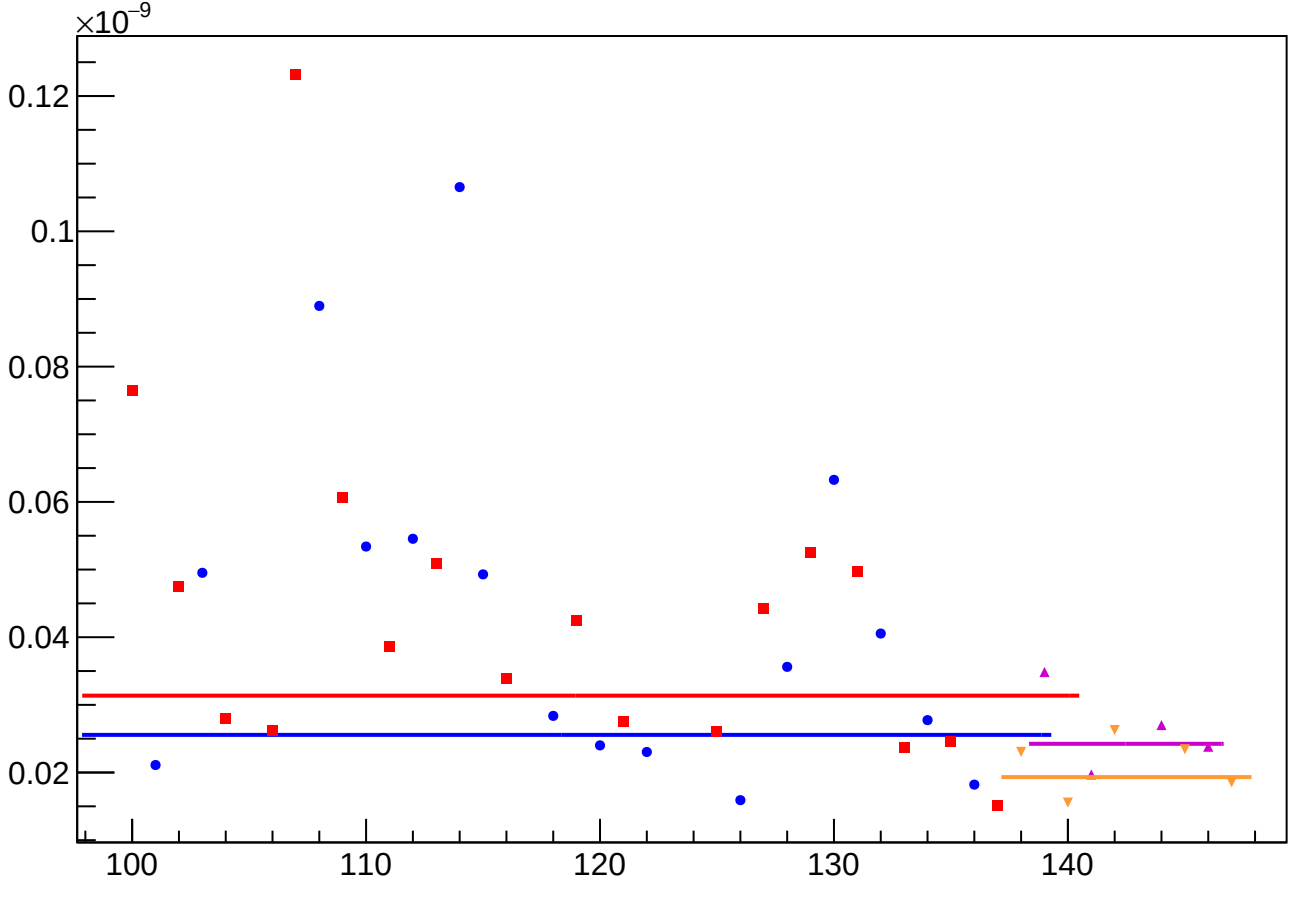
Left: 0.000+/-0.000 χ^2/NDF: 7.3/8

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:5.0/19

Out: -0.000+/-0.000 χ^2/NDF:28.1/22

All: 0.000+/-0.000 χ^2/NDF: 34.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:170213.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:192692.9/3

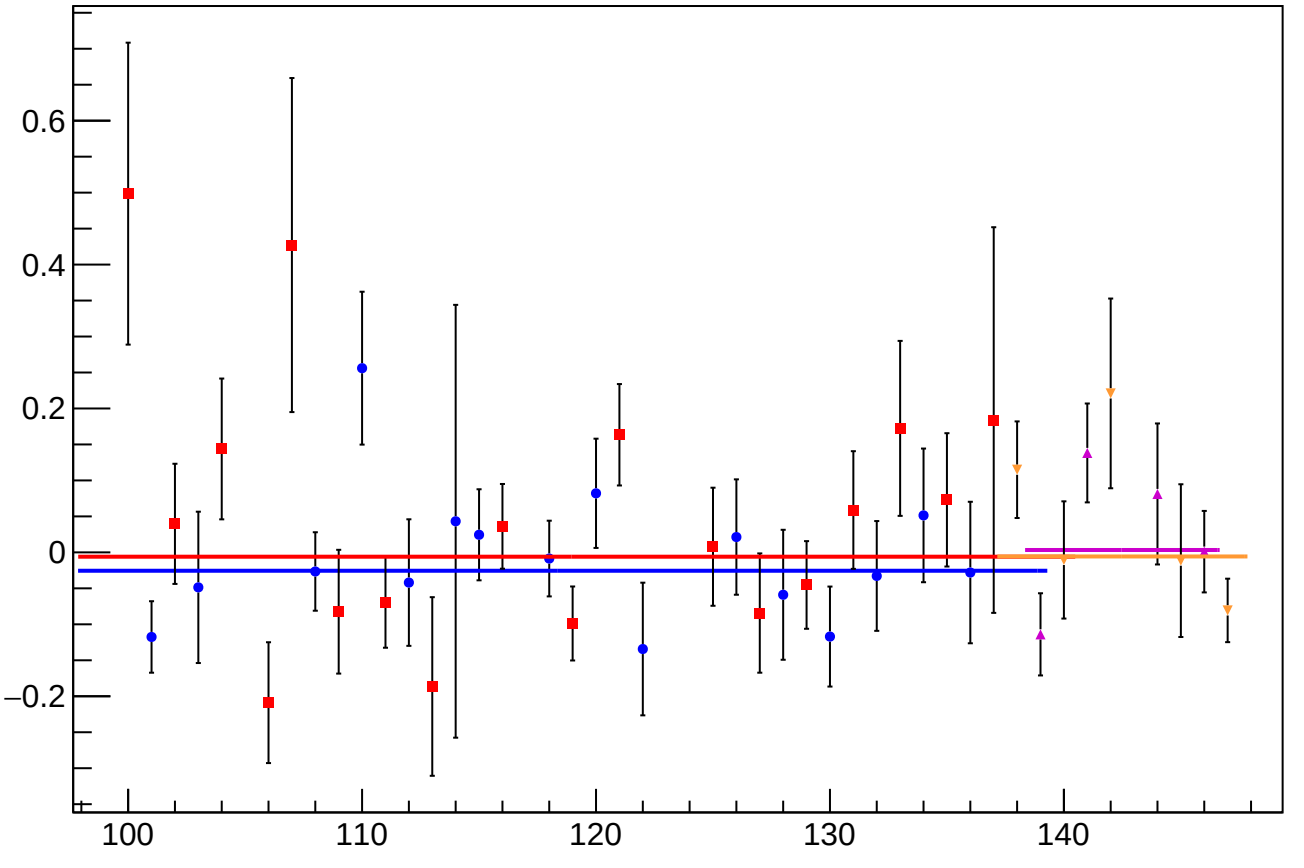
Left: 0.000+/-0.000 χ^2/NDF: 481424.5/8

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

In: 0.000+/-0.000 χ^2/NDF:1908530.2/19

Out: 0.000+/-0.000 χ^2/NDF:2094262.3/22

All: 0.000+/-0.000 χ^2/NDF: 4015288.4/42



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.003+/-0.033 χ^2/NDF:8.7/3

Left: -0.001+/-0.023 χ^2/NDF: 17.8/8

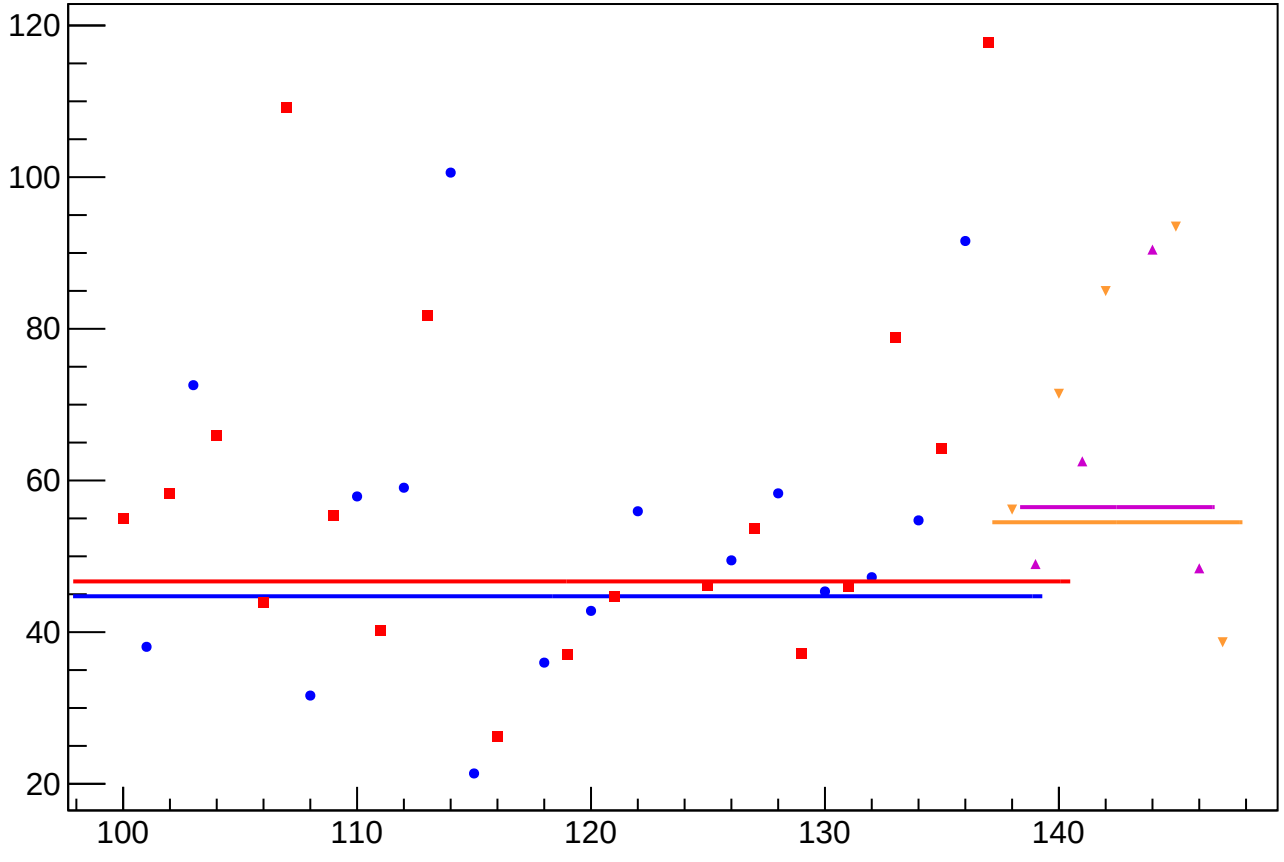
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.018+/-0.016 χ^2/NDF:26.9/19

Out: -0.006+/-0.016 χ^2/NDF:45.6/22

All: -0.012+/-0.012 χ^2/NDF: 72.8/42

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: 54.492+/-0.022 χ^2/NDF:721862.6/4

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 56.487+/-0.023 χ^2/NDF:330732.4/3

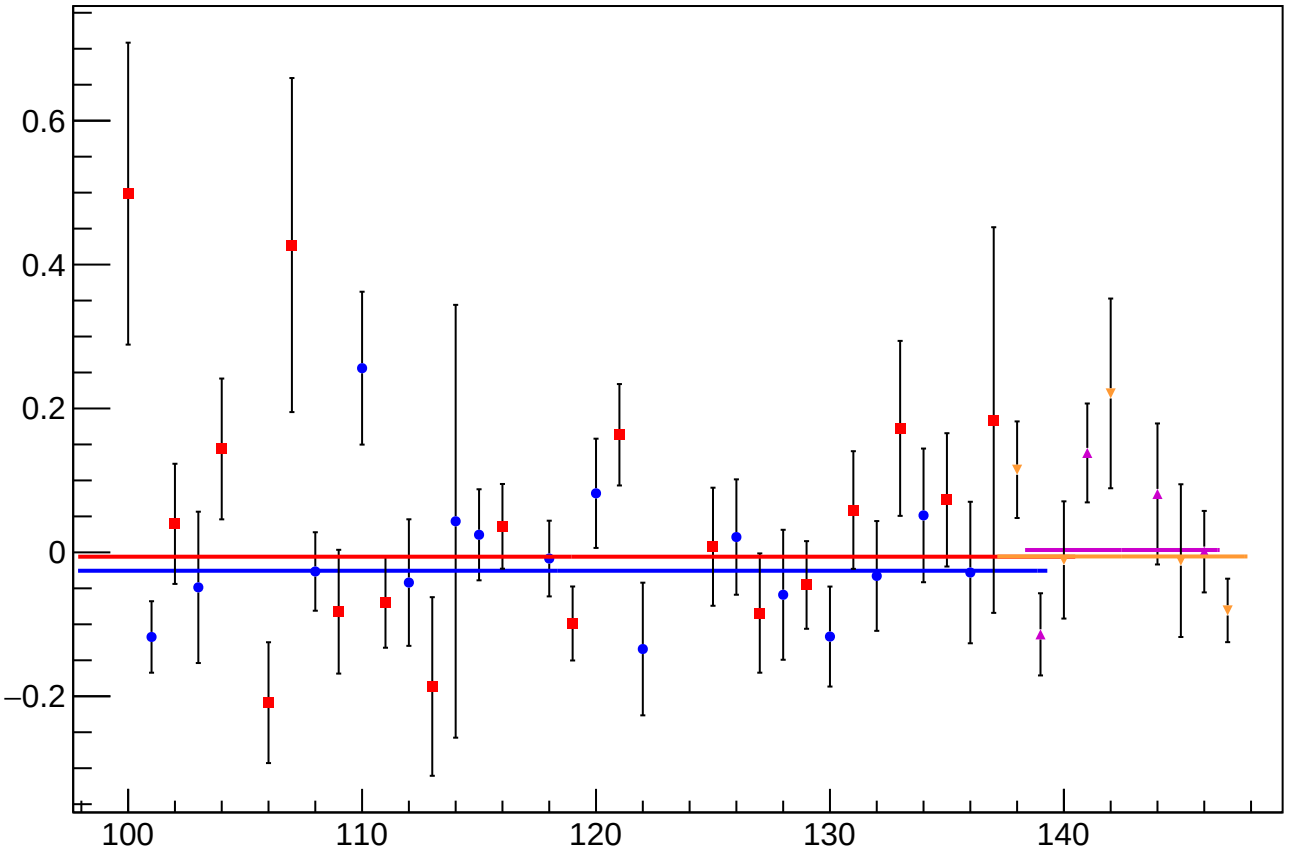
Left: 55.440+/-0.016 χ^2/NDF: 1056500.7/8

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

In: 47.643+/-0.012 χ^2/NDF:1859518.8/19

Out: 48.873+/-0.012 χ^2/NDF:2007876.6/22

All: 48.251+/-0.008 χ^2/NDF: 3873038.2/42



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.003+/-0.033 χ^2/NDF:8.7/3

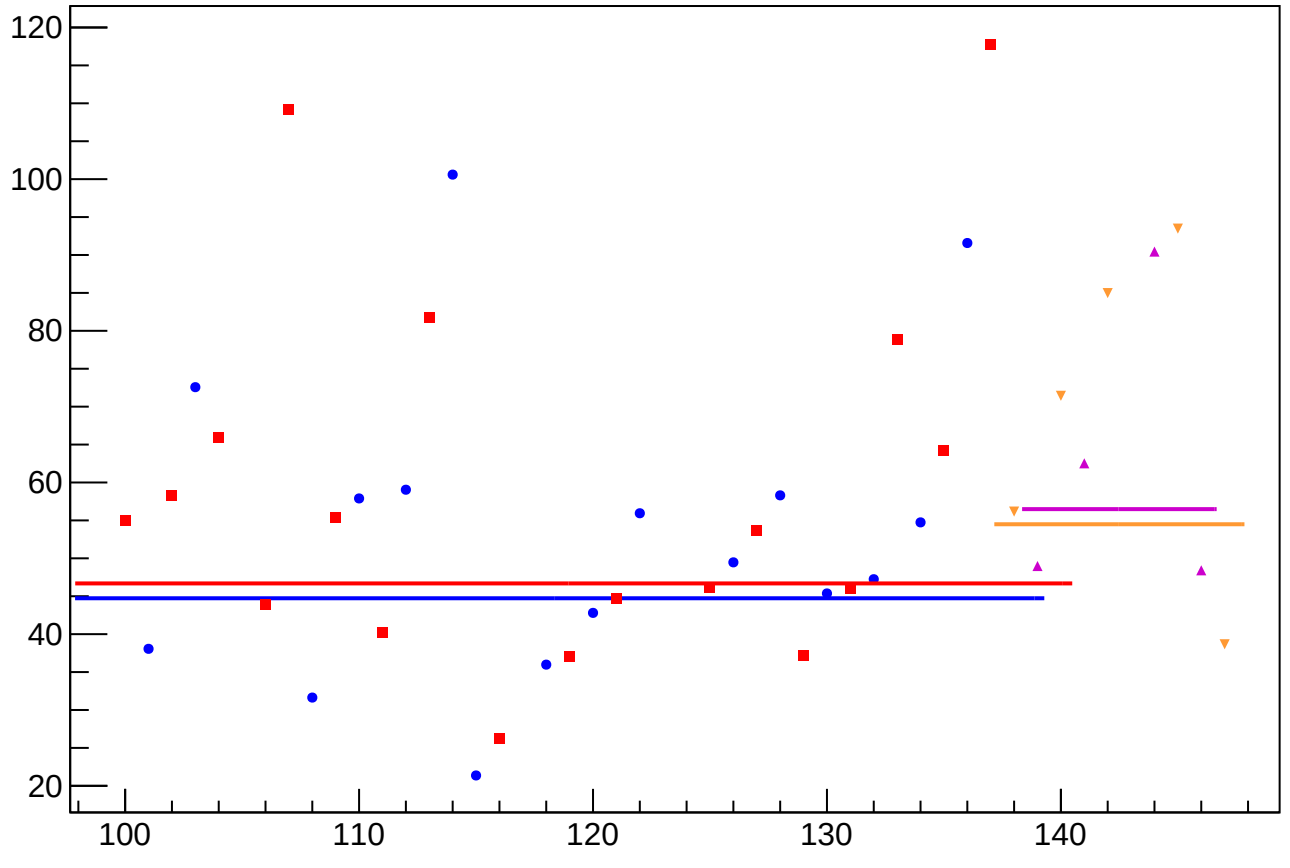
Left: -0.001+/-0.023 χ^2/NDF: 17.8/8

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

In: -0.018+/-0.016 χ^2/NDF:26.9/19

Out: -0.006+/-0.016 χ^2/NDF:45.6/22

All: -0.012+/-0.012 χ^2/NDF: 72.8/42



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 54.492+/-0.022 χ^2/NDF:721862.6/4

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 56.487+/-0.023 χ^2/NDF:330732.4/3

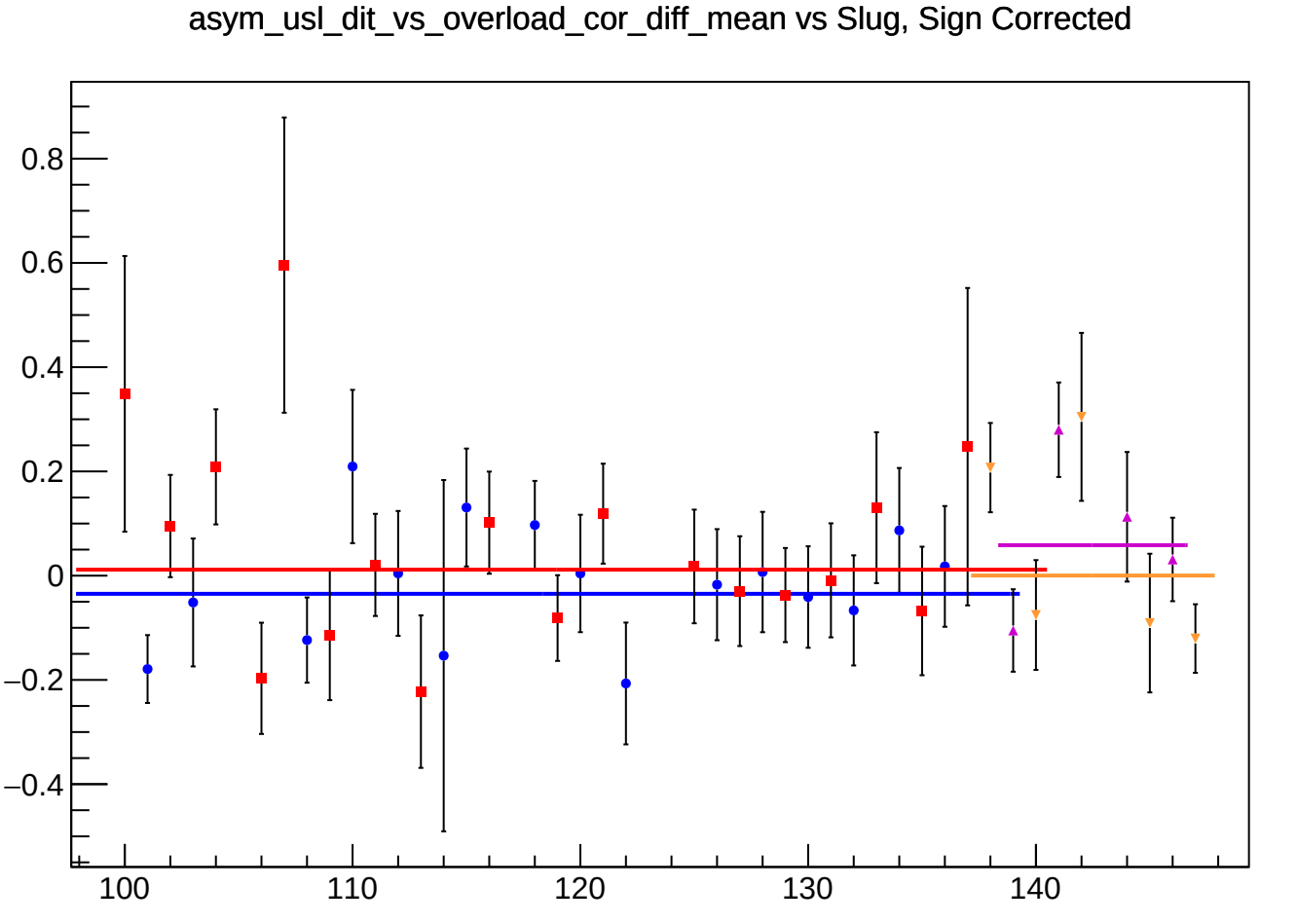
Left: 55.440+/-0.016 χ^2/NDF: 1056500.7/8

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

In: 47.643+/-0.012 χ^2/NDF:1859518.8/19

Out: 48.873+/-0.012 χ^2/NDF:2007876.6/22

All: 48.251+/-0.008 χ^2/NDF: 3873038.2/42



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: 0.000+/-0.043 χ^2/NDF:13.8/4

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.059+/-0.045 χ^2/NDF:10.6/3

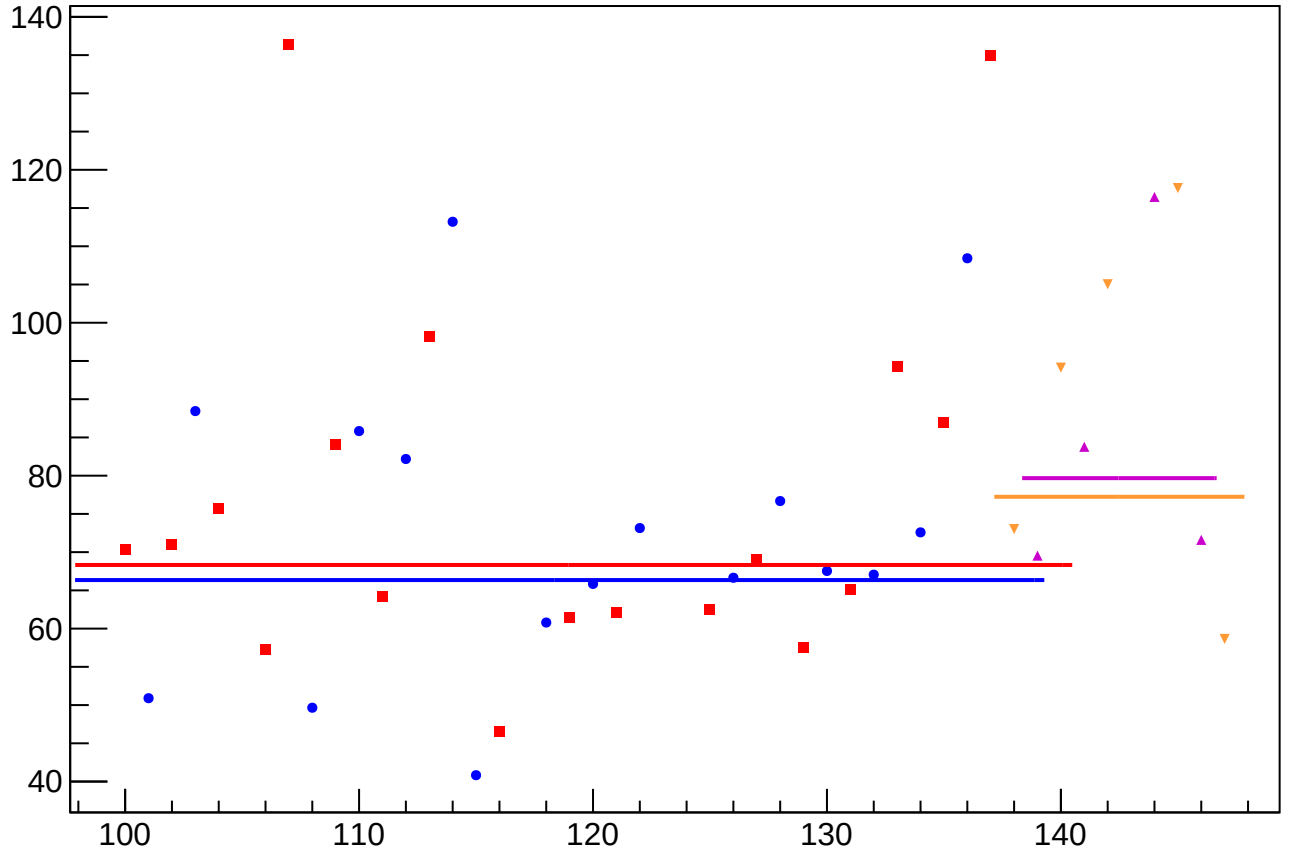
Left: 0.028+/-0.031 χ^2/NDF: 25.2/8

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

In: -0.011+/-0.023 χ^2/NDF:31.3/19

Out: 0.008+/-0.023 χ^2/NDF:36.6/22

All: -0.001+/-0.016 χ^2/NDF: 68.2/42



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 77.240+/-0.030 χ^2/NDF:460044.9/4

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 79.678+/-0.032 χ^2/NDF:232352.8/3

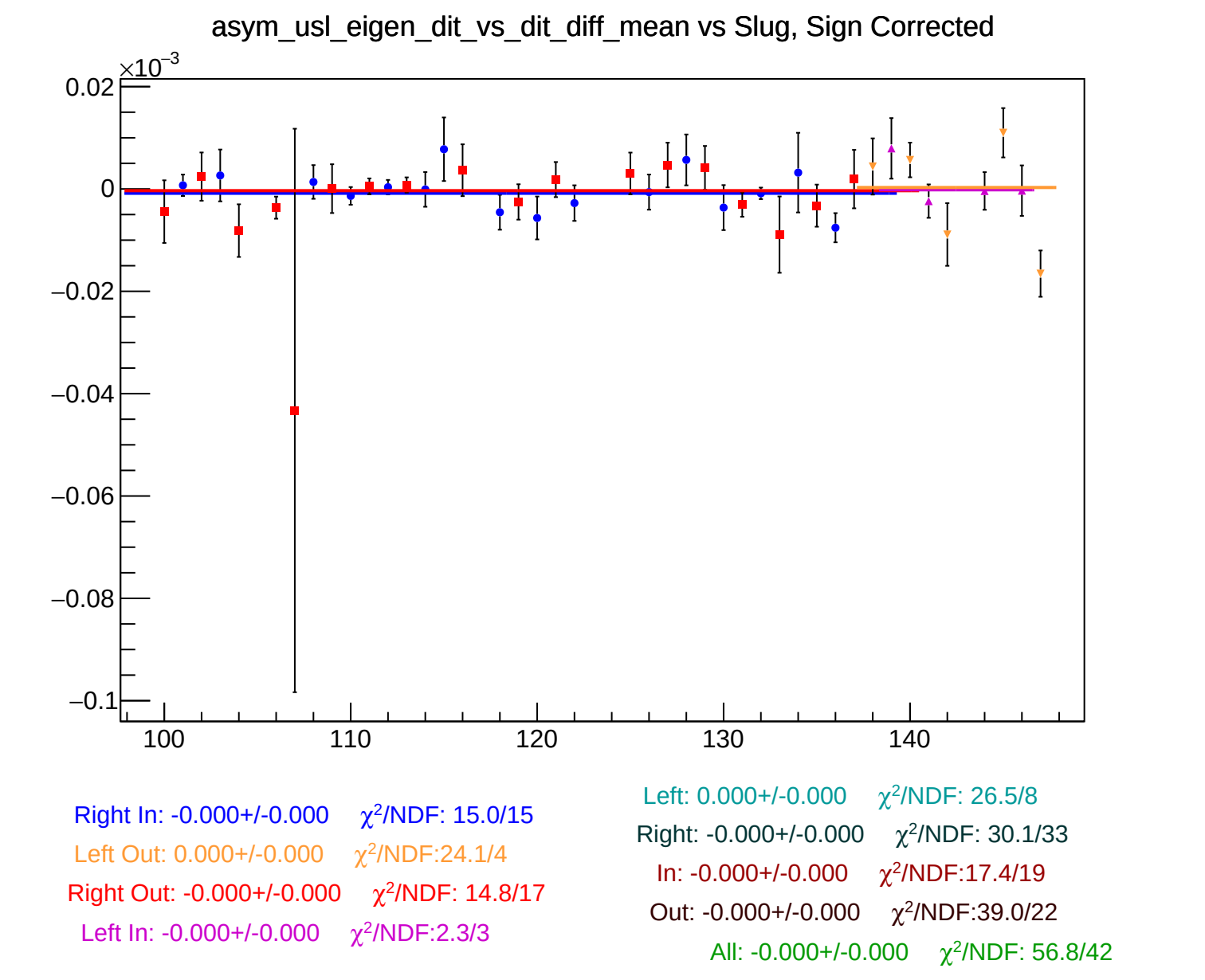
Left: 78.400+/-0.022 χ^2/NDF: 695524.9/8

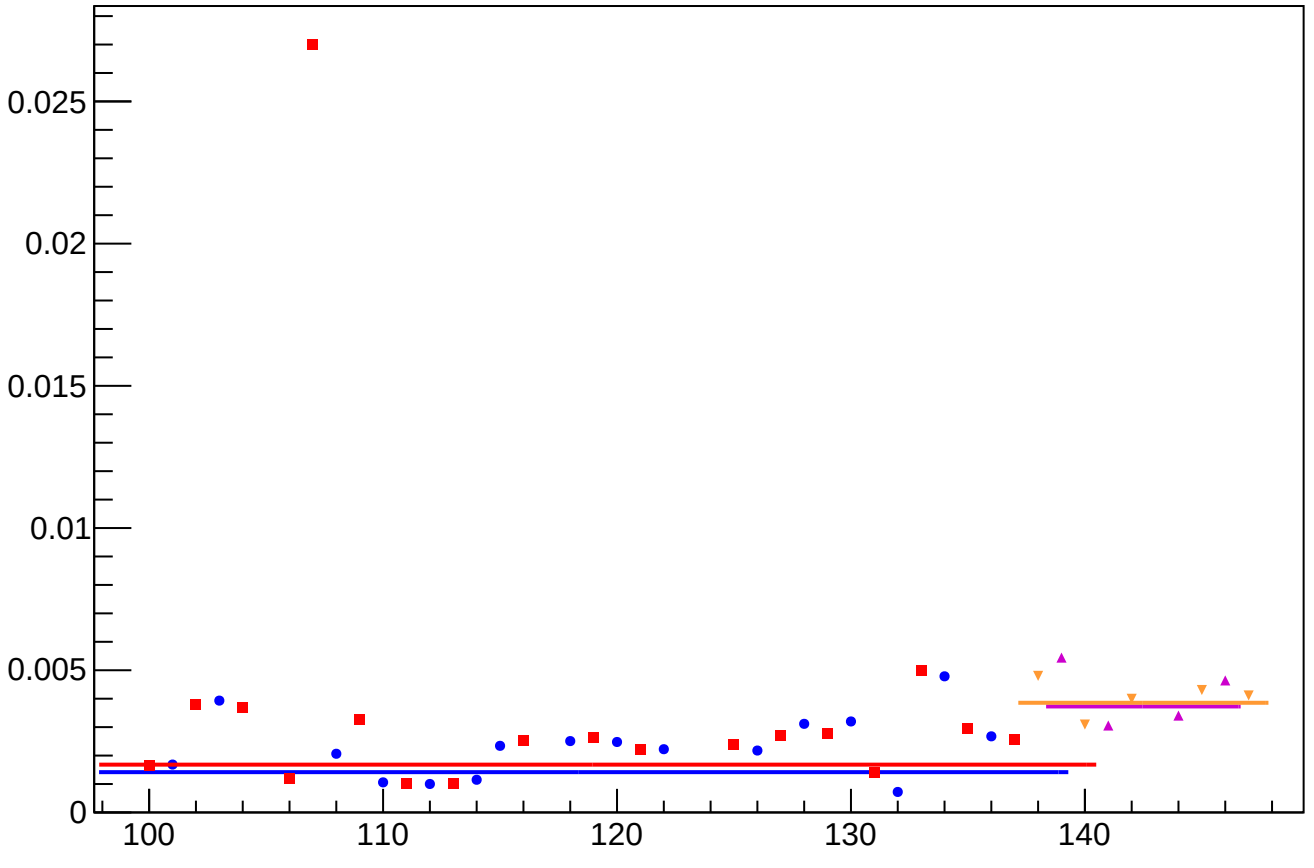
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 69.780+/-0.016 χ^2/NDF:1137524.1/19

Out: 70.871+/-0.016 χ^2/NDF:1152528.3/22

All: 70.323+/-0.011 χ^2/NDF: 2292364.6/42


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
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: 0.000+/-0.000 χ²/NDF:24.1/4
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: -0.000+/-0.000 χ²/NDF:2.3/3
Left: 0.000+/-0.000 χ²/NDF: 26.5/8
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:17.4/19
Out: -0.000+/-0.000 χ²/NDF:39.0/22
All: -0.000+/-0.000 χ²/NDF: 56.8/42



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:186706.1/4

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:336687.9/3

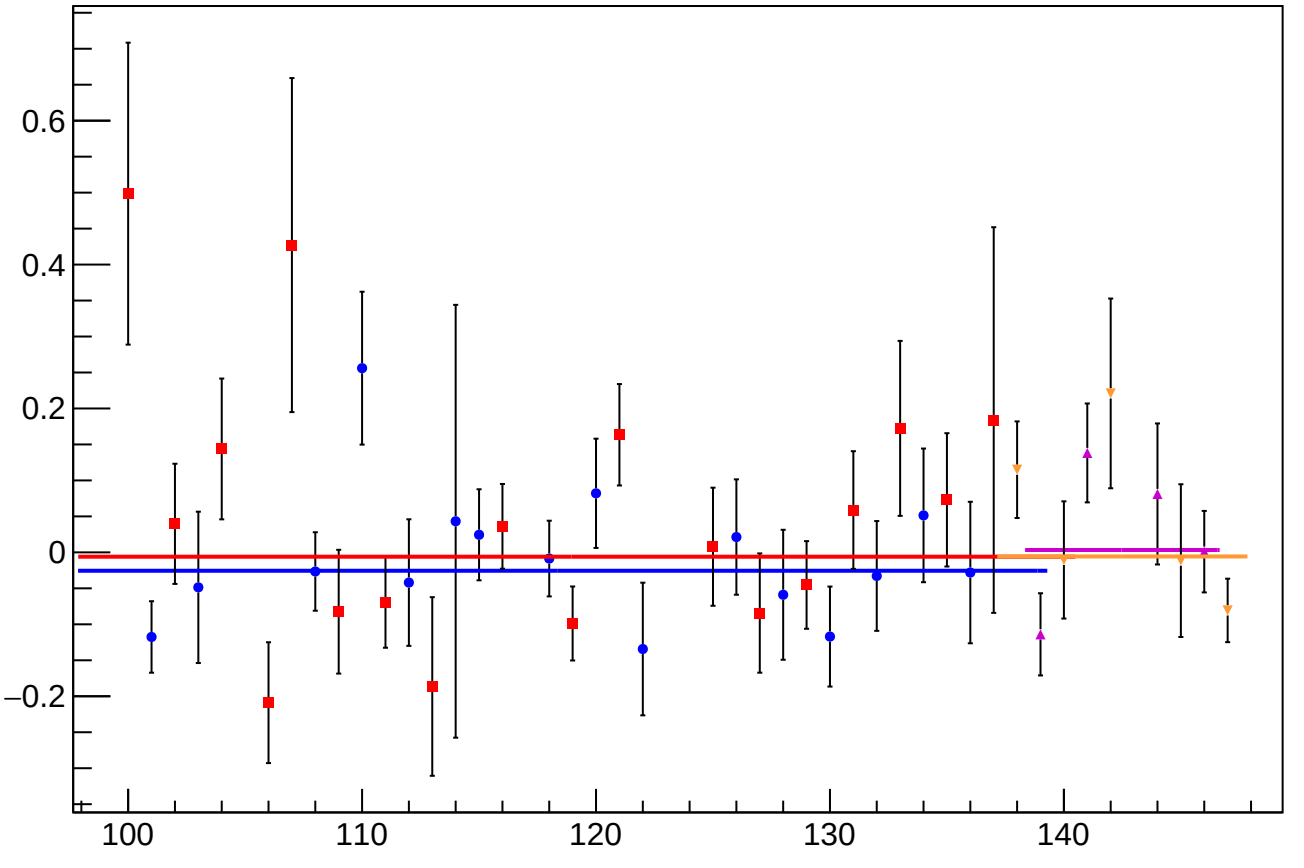
Left: 0.004+/-0.000 χ^2/NDF: 527378.0/8

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

In: 0.002+/-0.000 χ^2/NDF:6208560.7/19

Out: 0.002+/-0.000 χ^2/NDF:5624892.6/22

All: 0.002+/-0.000 χ^2/NDF: 12078178.1/42



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.003+/-0.033 χ^2/NDF:8.7/3

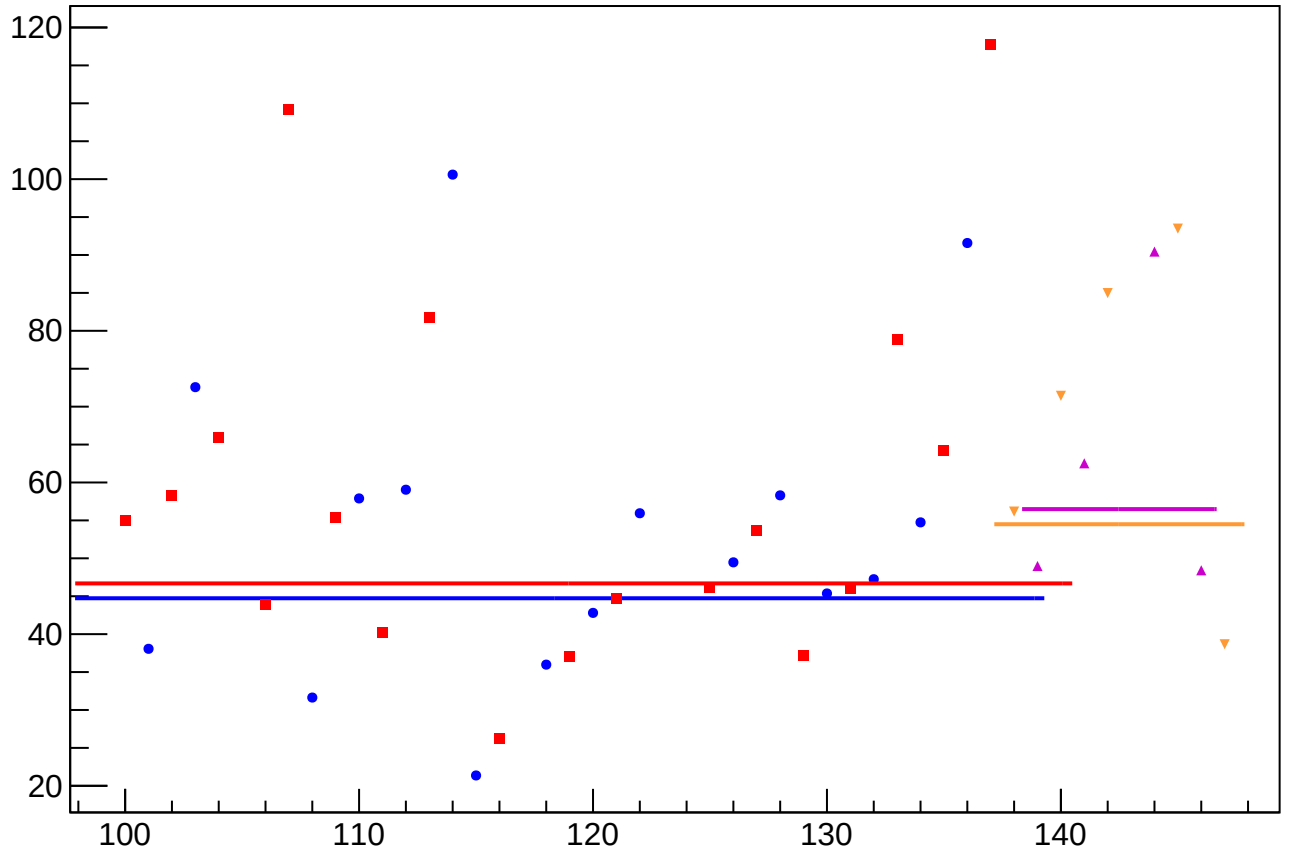
Left: -0.001+/-0.023 χ^2/NDF: 17.8/8

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

In: -0.018+/-0.016 χ^2/NDF:26.9/19

Out: -0.006+/-0.016 χ^2/NDF:45.6/22

All: -0.012+/-0.012 χ^2/NDF: 72.8/42



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 54.493+/-0.022 χ^2/NDF:721812.0/4

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 56.488+/-0.023 χ^2/NDF:330711.4/3

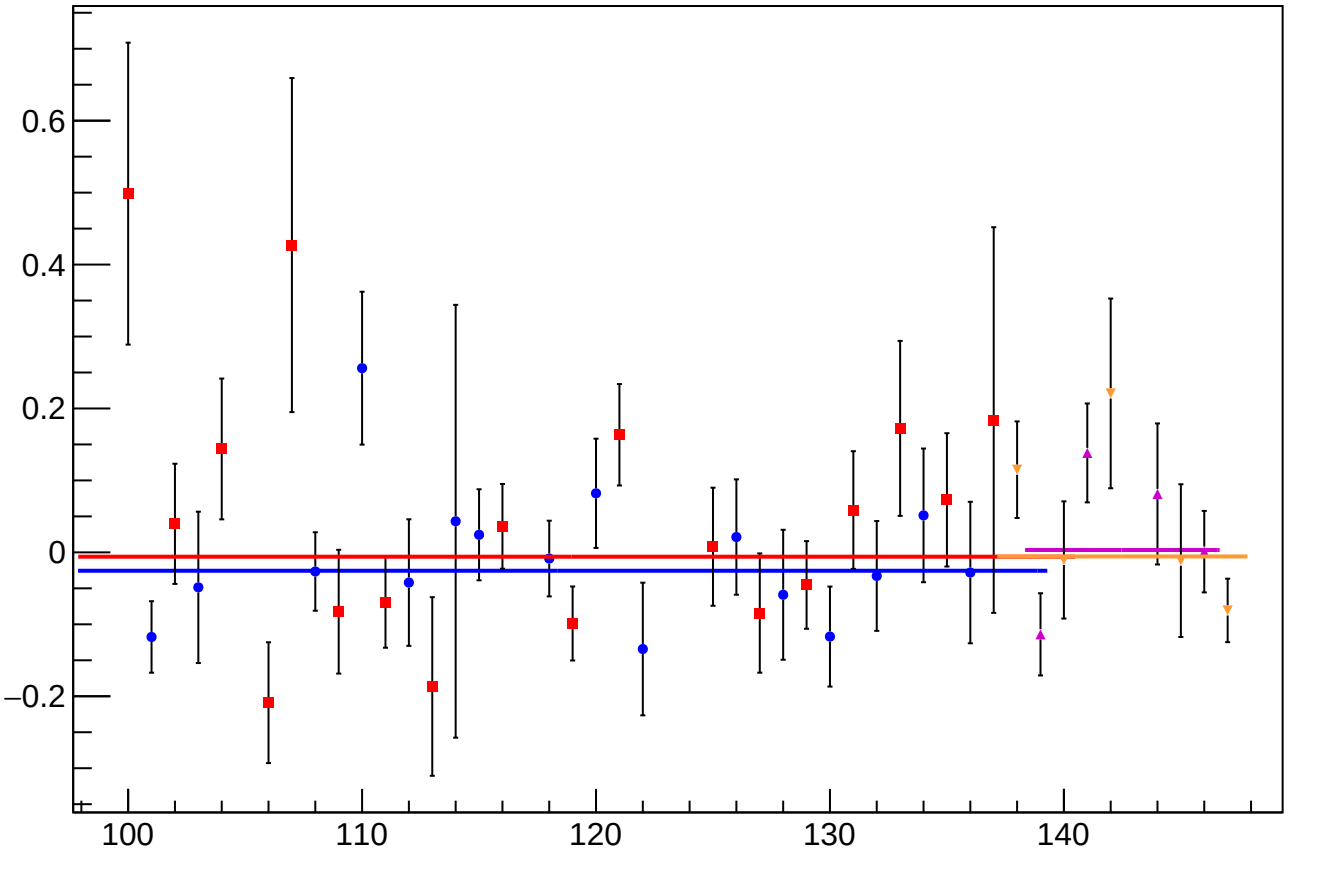
Left: 55.440+/-0.016 χ^2/NDF: 1056428.2/8

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

In: 47.643+/-0.012 χ^2/NDF:1859604.0/19

Out: 48.872+/-0.012 χ^2/NDF:2007902.2/22

All: 48.251+/-0.008 χ^2/NDF: 3873150.1/42



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.006+/-0.031 χ^2/NDF:9.1/4

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: 0.003+/-0.033 χ^2/NDF:8.7/3

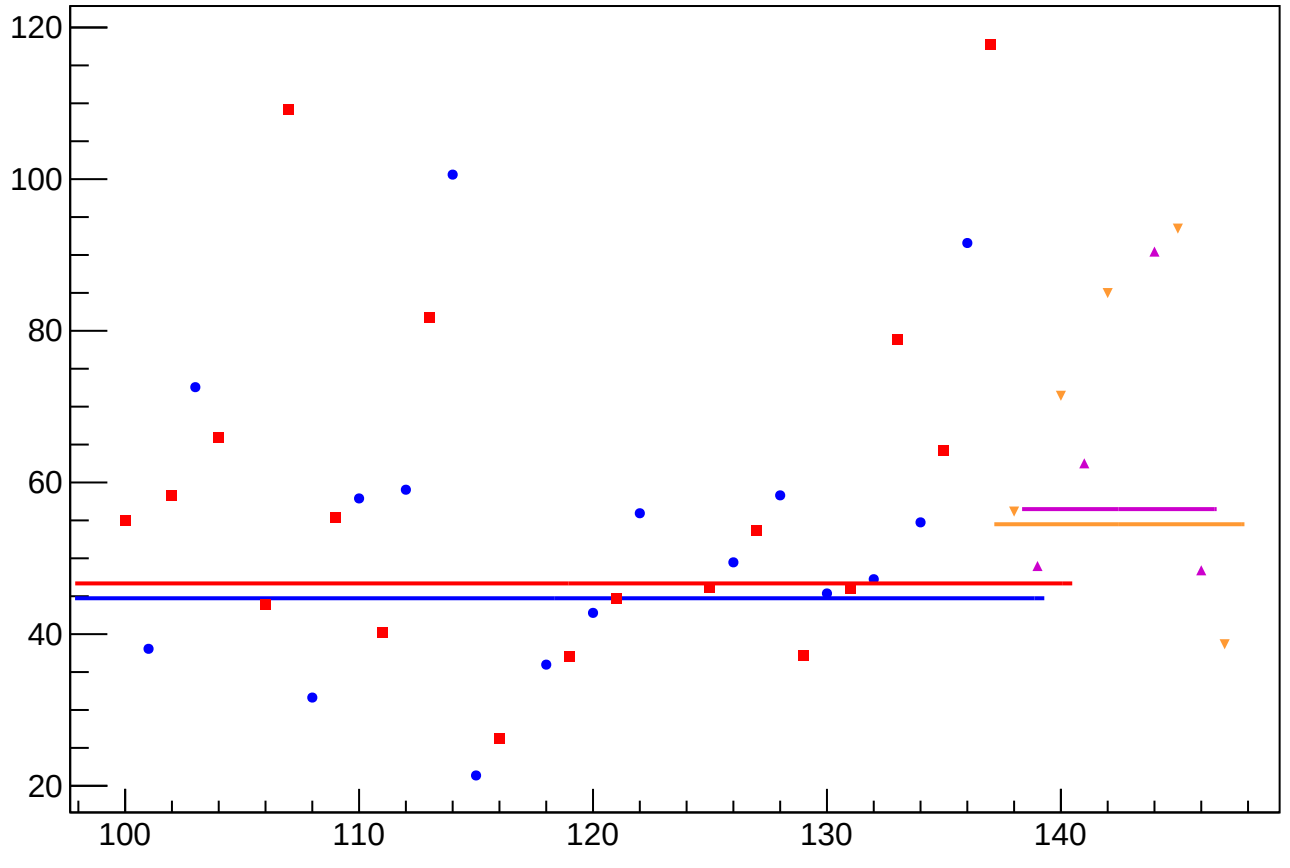
Left: -0.001+/-0.023 χ^2/NDF: 17.8/8

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

In: -0.018+/-0.016 χ^2/NDF:26.9/19

Out: -0.006+/-0.016 χ^2/NDF:45.6/22

All: -0.012+/-0.012 χ^2/NDF: 72.8/42



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 54.493+/-0.022 χ^2/NDF:721812.0/4

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 56.488+/-0.023 χ^2/NDF:330711.4/3

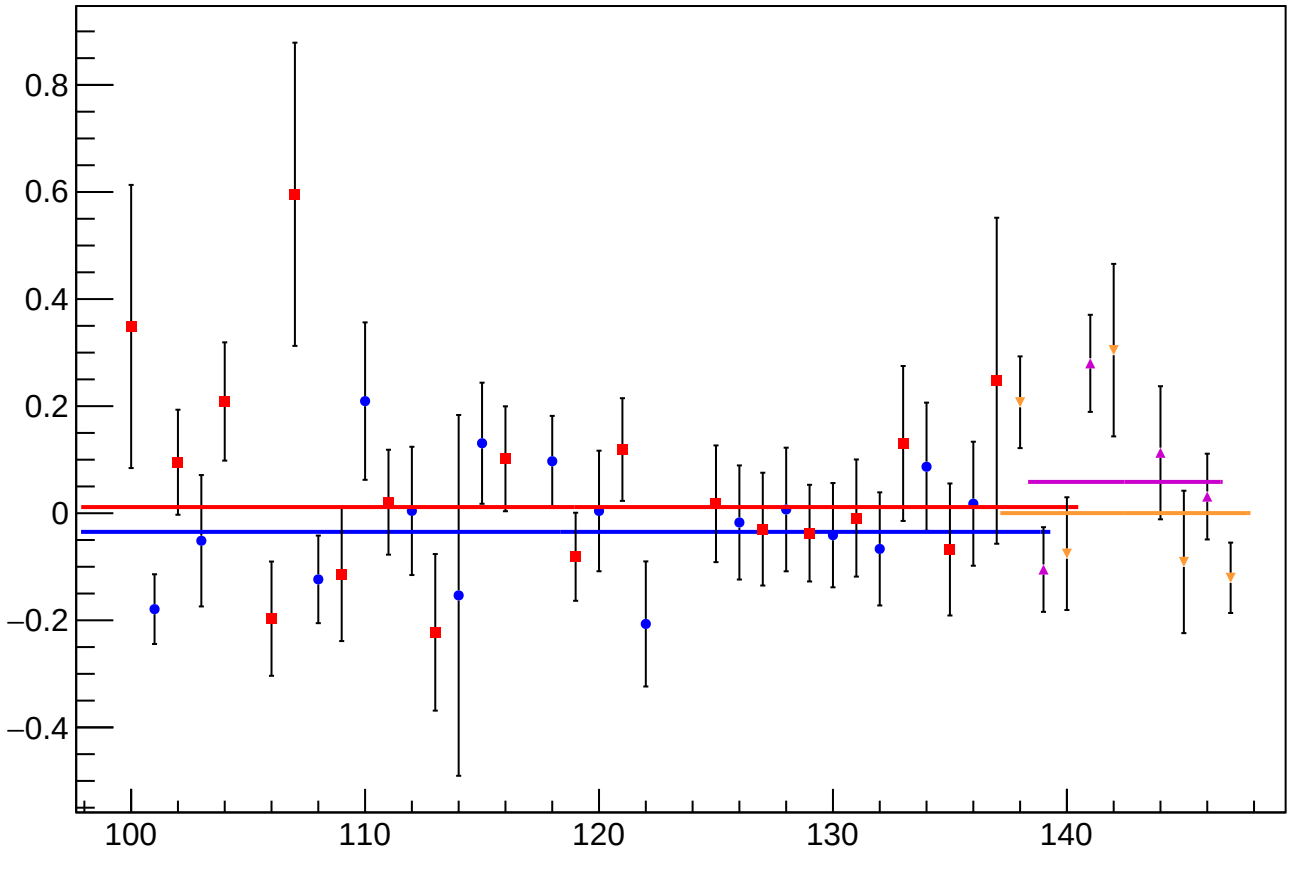
Left: 55.440+/-0.016 χ^2/NDF: 1056428.2/8

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

In: 47.643+/-0.012 χ^2/NDF:1859604.0/19

Out: 48.872+/-0.012 χ^2/NDF:2007902.2/22

All: 48.251+/-0.008 χ^2/NDF: 3873150.1/42



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: 0.000+/-0.043 χ^2/NDF:13.8/4

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.059+/-0.045 χ^2/NDF:10.6/3

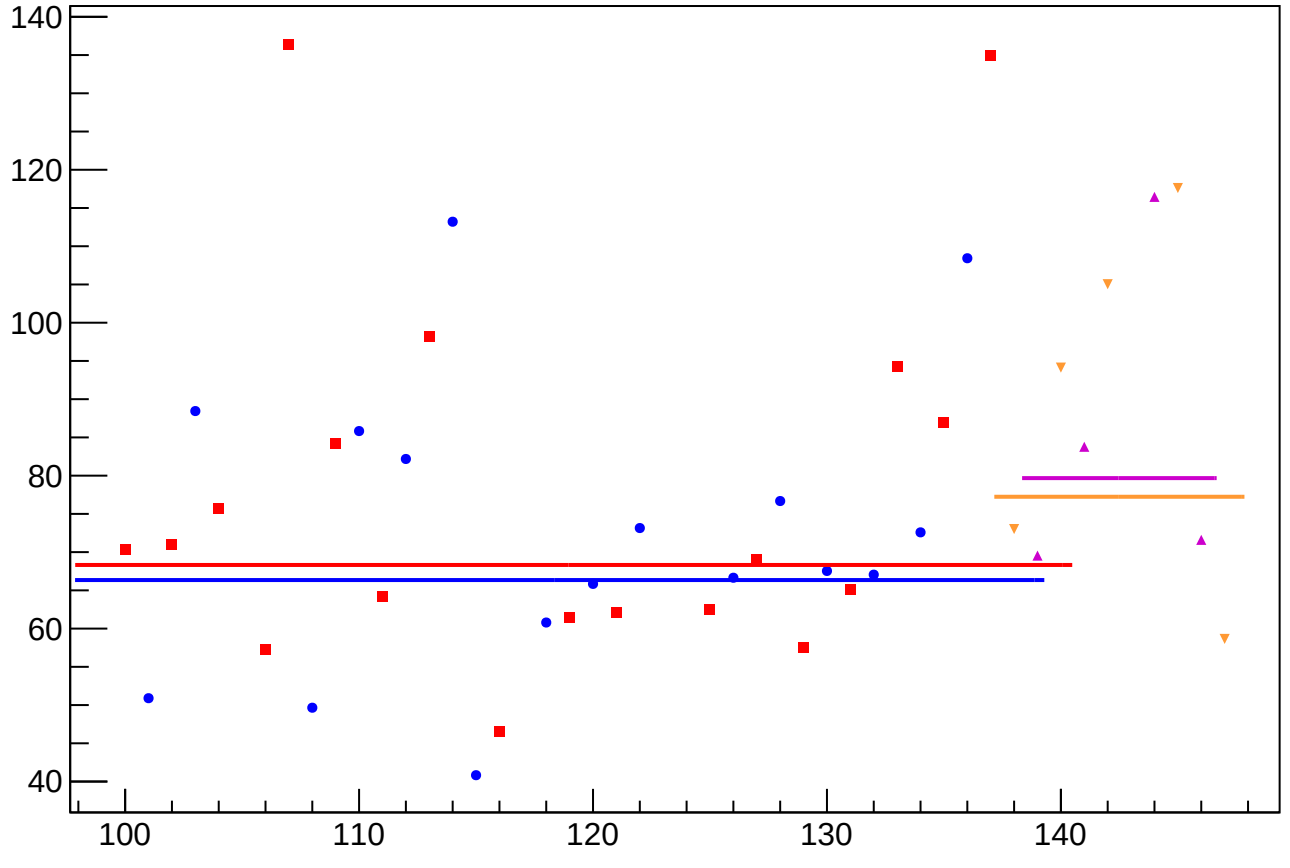
Left: 0.028+/-0.031 χ^2/NDF: 25.2/8

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

In: -0.011+/-0.023 χ^2/NDF:31.3/19

Out: 0.008+/-0.023 χ^2/NDF:36.6/22

All: -0.001+/-0.016 χ^2/NDF: 68.2/42



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 77.241+/-0.030 χ^2/NDF:460026.3/4

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 79.678+/-0.032 χ^2/NDF:232344.0/3

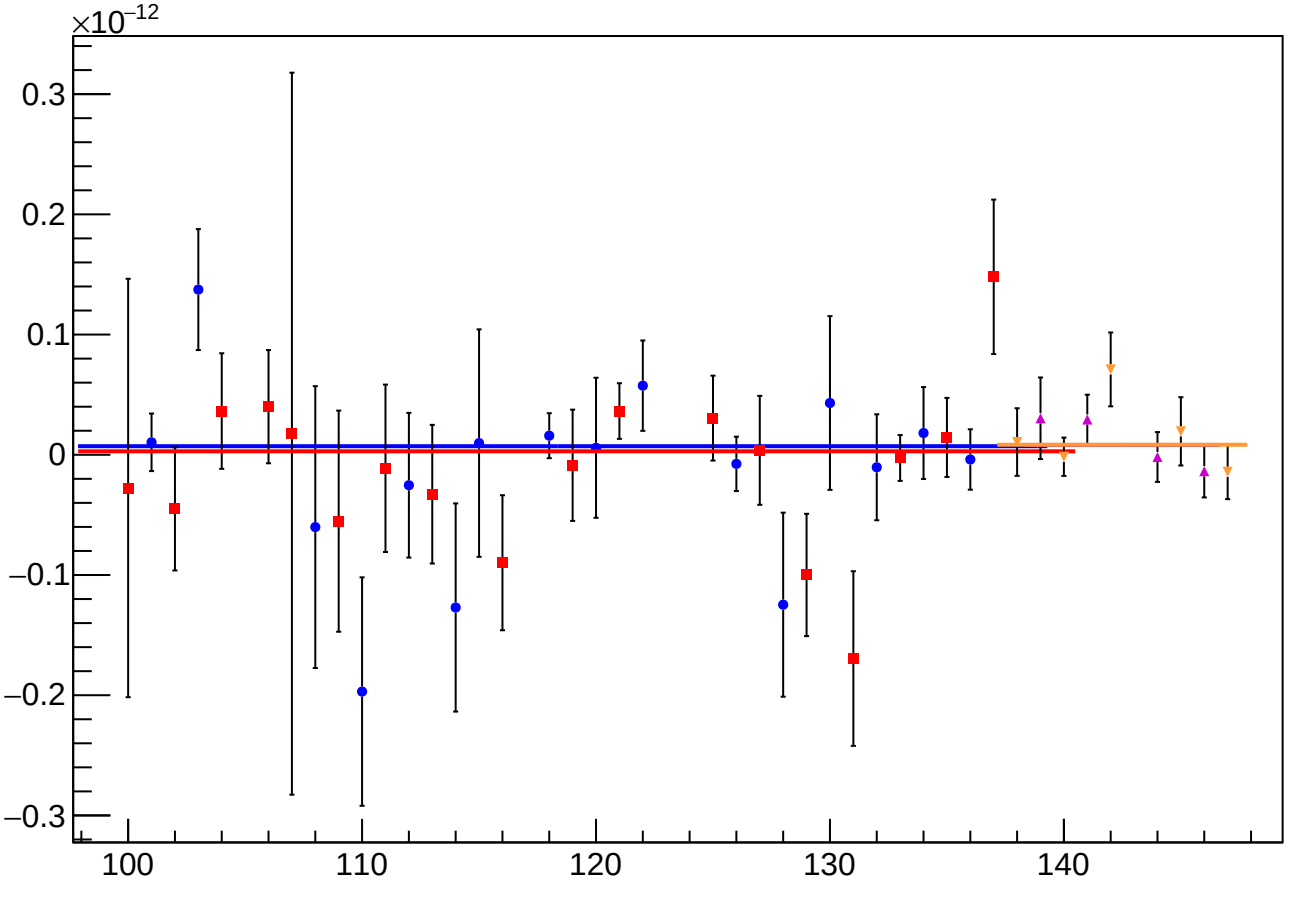
Left: 78.401+/-0.022 χ^2/NDF: 695497.4/8

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

In: 69.779+/-0.016 χ^2/NDF:1137537.9/19

Out: 70.870+/-0.016 χ^2/NDF:1152520.3/22

All: 70.322+/-0.011 χ^2/NDF: 2292370.0/42



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/4

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

Left In: 0.000+/-0.000 χ^2/NDF:2.7/3

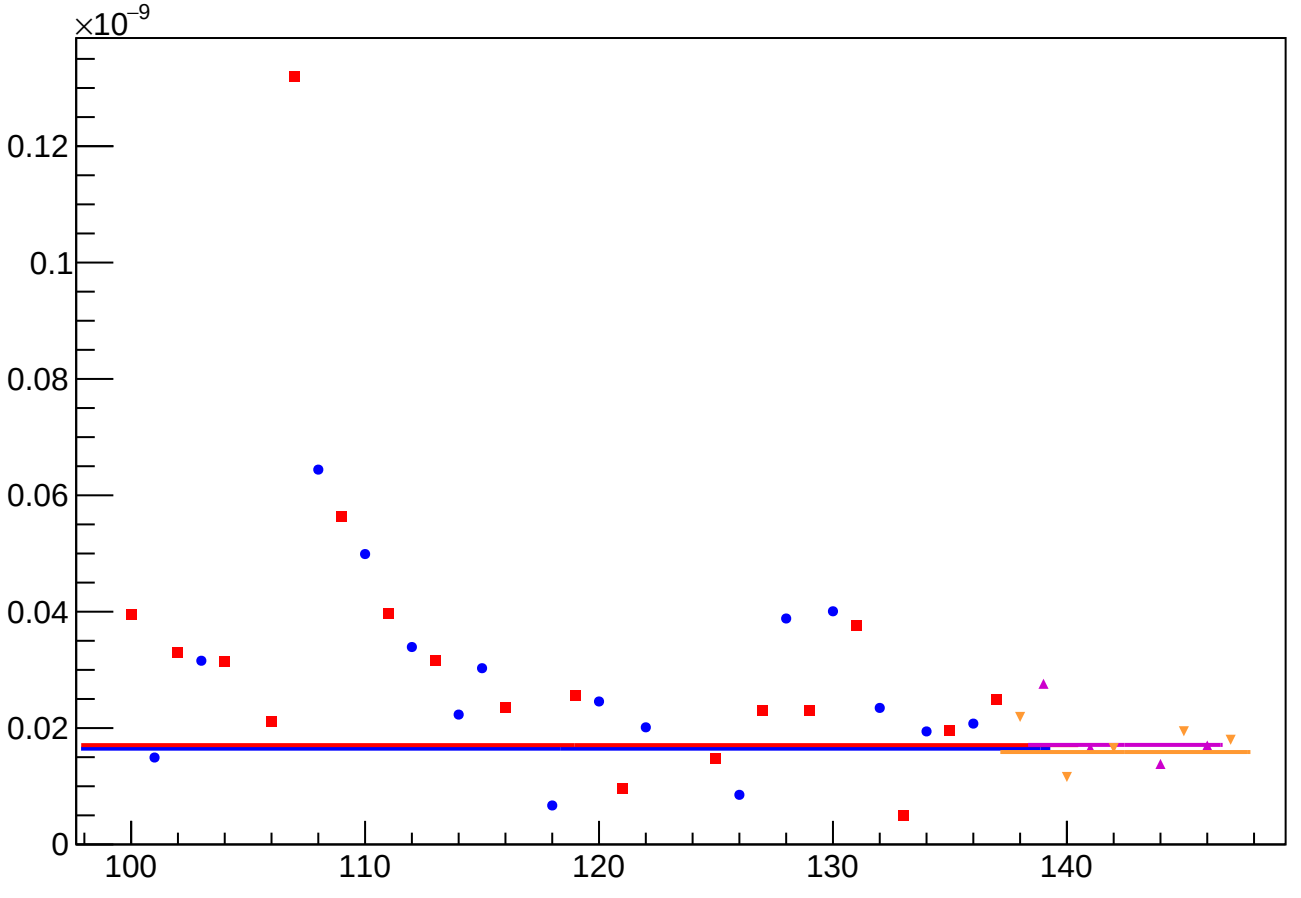
Left: 0.000+/-0.000 χ^2/NDF: 8.4/8

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:23.2/19

Out: 0.000+/-0.000 χ^2/NDF:29.2/22

All: 0.000+/-0.000 χ^2/NDF: 52.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:286277.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:242940.0/3

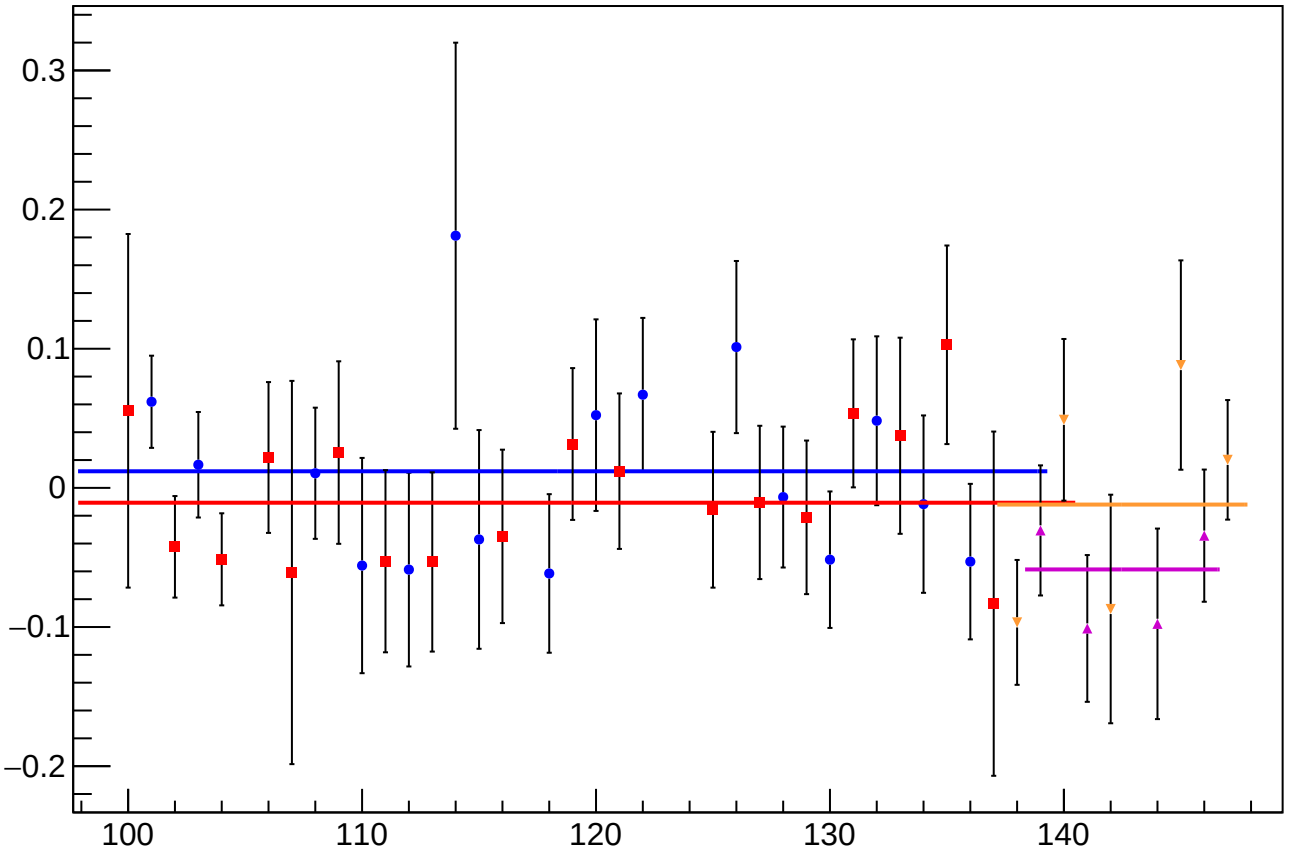
Left: 0.000+/-0.000 χ^2/NDF: 541904.3/8

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

In: 0.000+/-0.000 χ^2/NDF:2592712.6/19

Out: 0.000+/-0.000 χ^2/NDF:3091514.9/22

All: 0.000+/-0.000 χ^2/NDF: 5685111.8/42



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.025 χ^2/NDF:7.8/4

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.059+/-0.026 χ^2/NDF:1.6/3

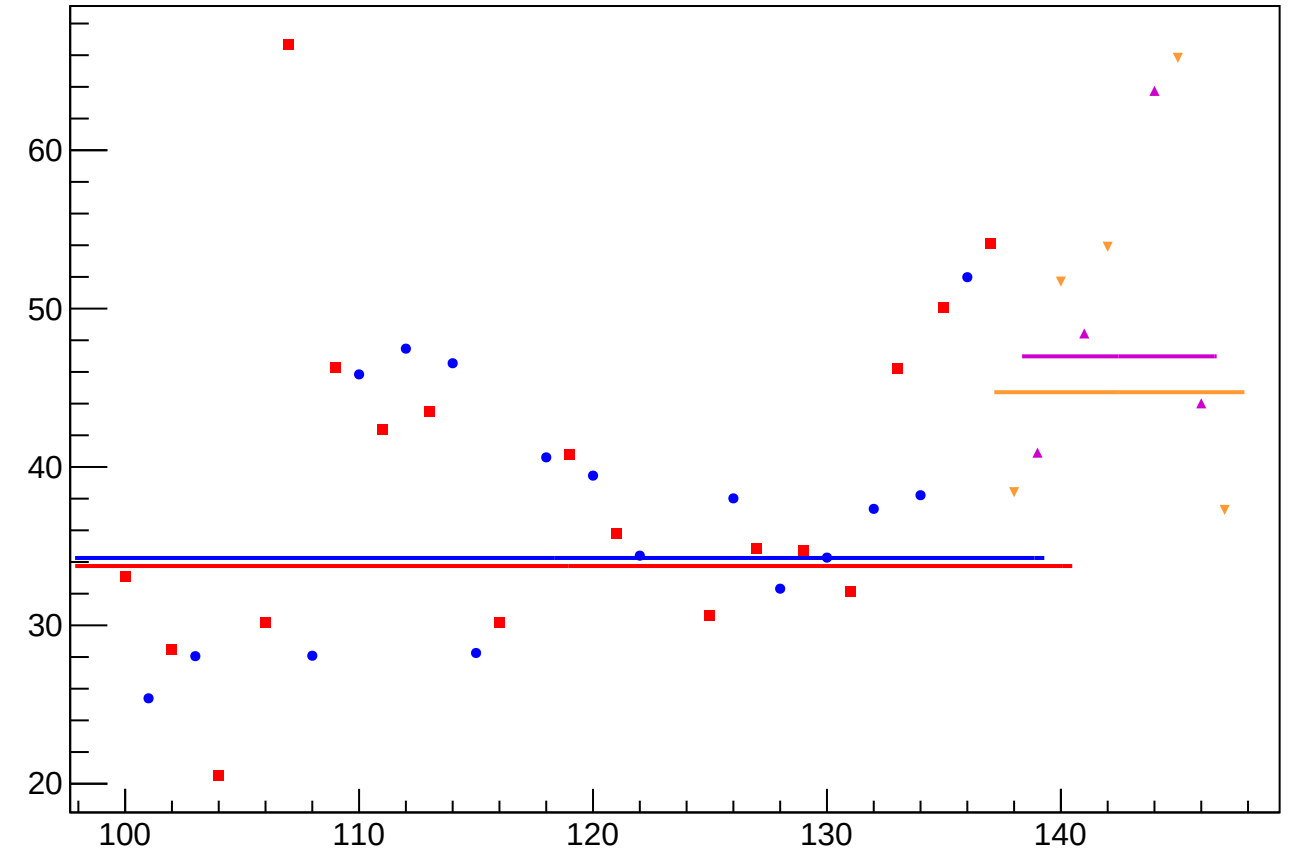
Left: -0.034+/-0.018 χ^2/NDF: 11.1/8

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.003+/-0.012 χ^2/NDF:22.1/19

Out: -0.011+/-0.012 χ^2/NDF:17.8/22

All: -0.007+/-0.008 χ^2/NDF: 40.0/42



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 44.721+/-0.017 χ^2/NDF:310833.7/4

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 46.985+/-0.018 χ^2/NDF:163017.4/3

Left: 45.785+/-0.013 χ^2/NDF: 481853.9/8

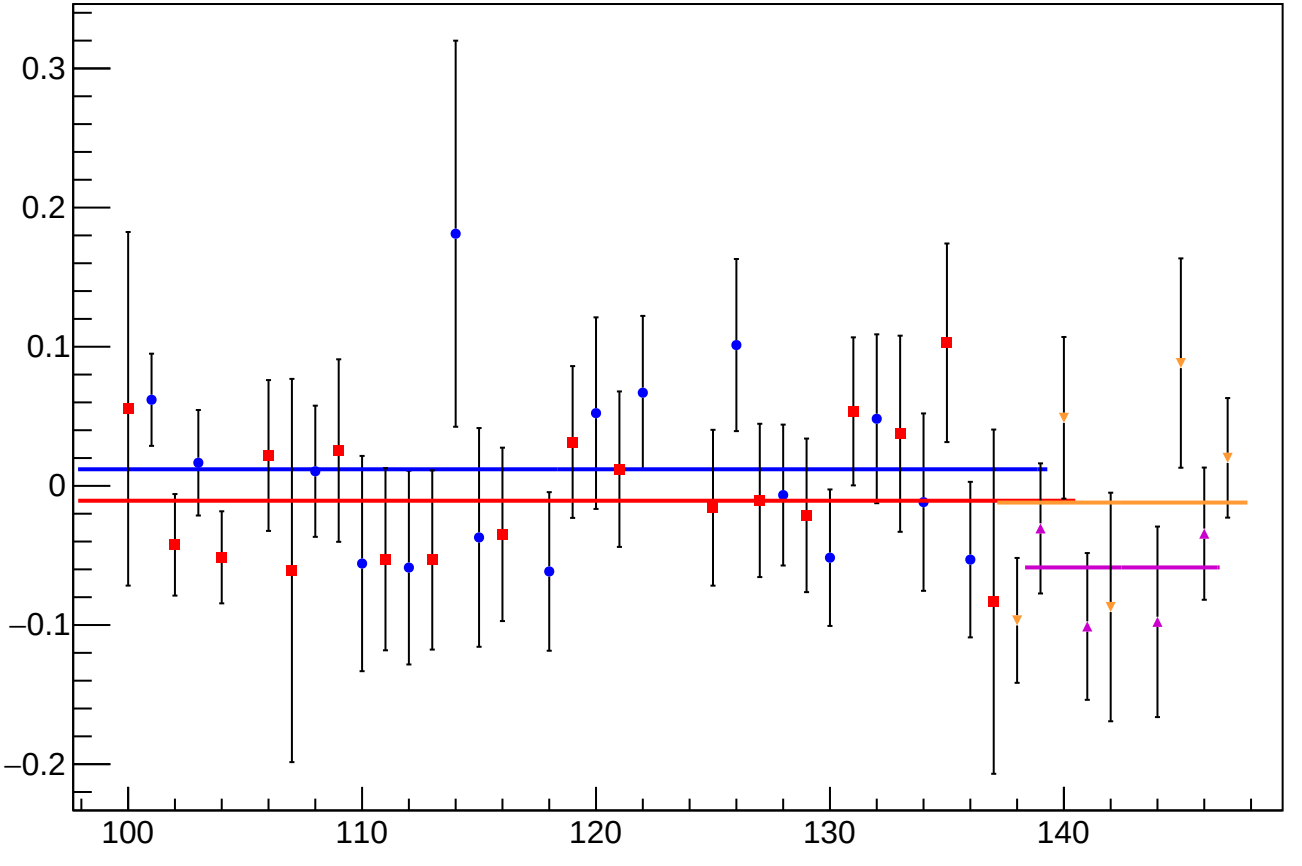
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 36.985+/-0.009 χ^2/NDF:1174181.1/19

Out: 36.278+/-0.008 χ^2/NDF:1530303.5/22

All: 36.623+/-0.006 χ^2/NDF: 2707998.4/42

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.025 χ^2/NDF:7.8/4

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.059+/-0.026 χ^2/NDF:1.6/3

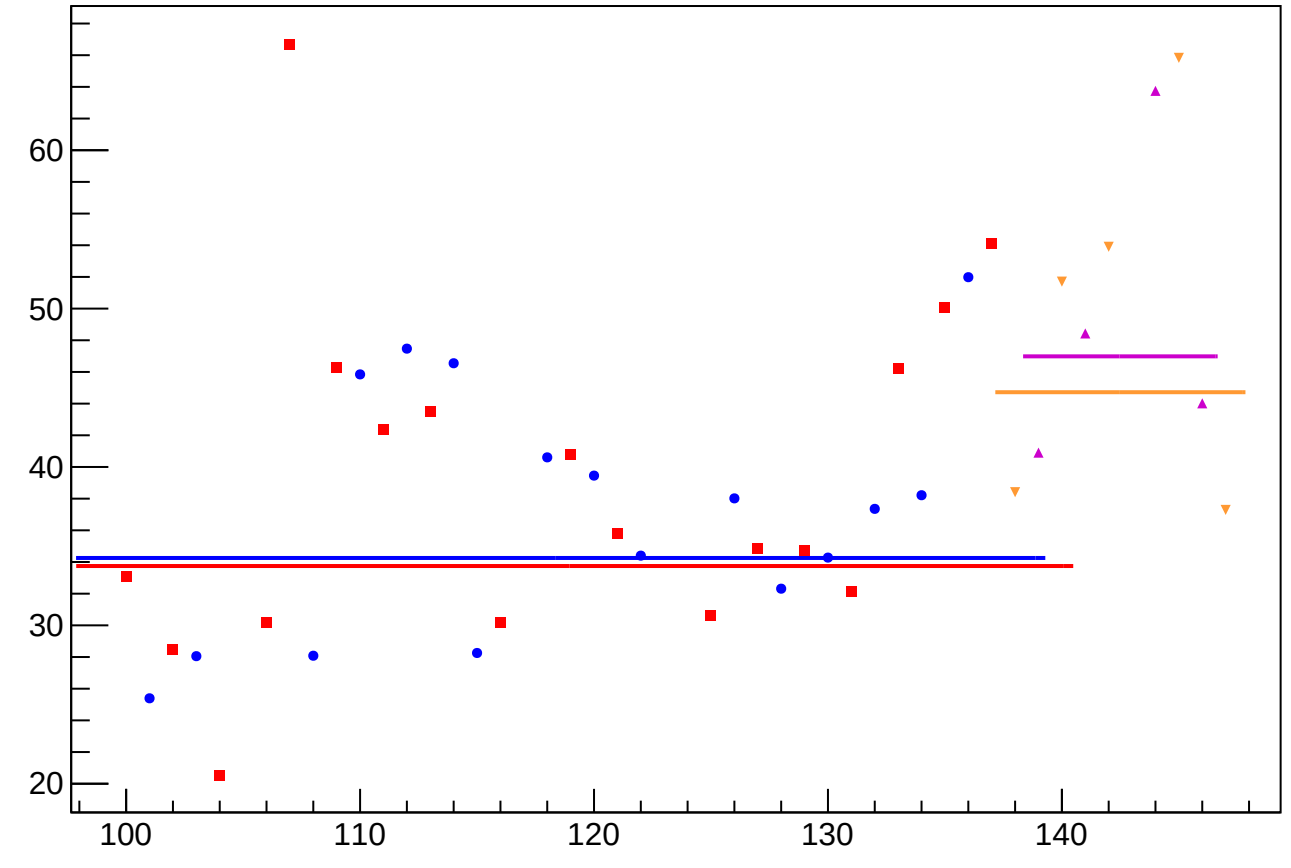
Left: -0.034+/-0.018 χ^2/NDF: 11.1/8

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.003+/-0.012 χ^2/NDF:22.1/19

Out: -0.011+/-0.012 χ^2/NDF:17.8/22

All: -0.007+/-0.008 χ^2/NDF: 40.0/42



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 44.721+/-0.017 χ^2/NDF:310833.7/4

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 46.985+/-0.018 χ^2/NDF:163017.4/3

Left: 45.785+/-0.013 χ^2/NDF: 481853.9/8

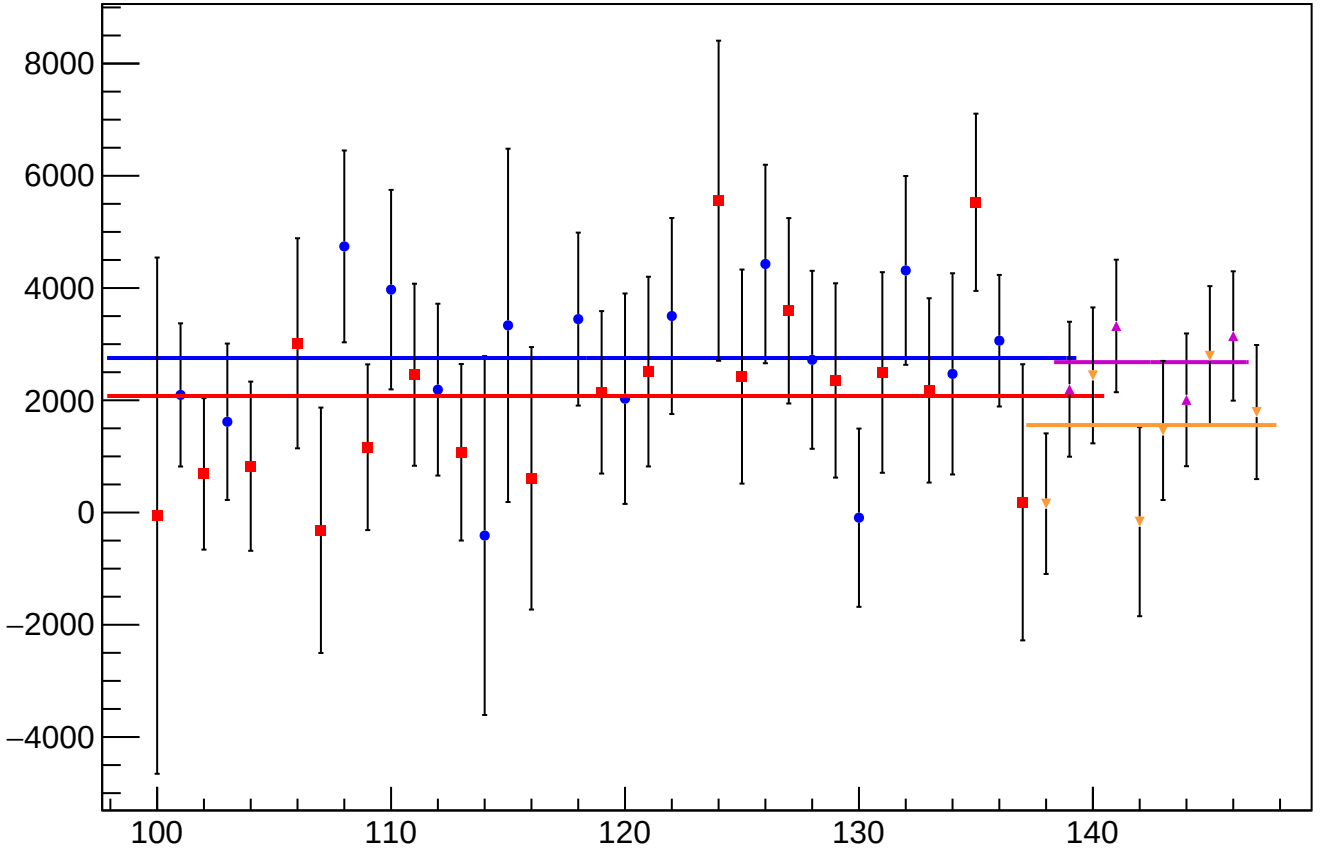
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 36.985+/-0.009 χ^2/NDF:1174181.1/19

Out: 36.278+/-0.008 χ^2/NDF:1530303.5/22

All: 36.623+/-0.006 χ^2/NDF: 2707998.4/42

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1558.477+/-522.006 χ^2/NDF:3.9/5

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2679.555+/-589.505 χ^2/NDF:0.9/3

Left: 2051.186+/-390.809 χ^2/NDF: 6.8/9

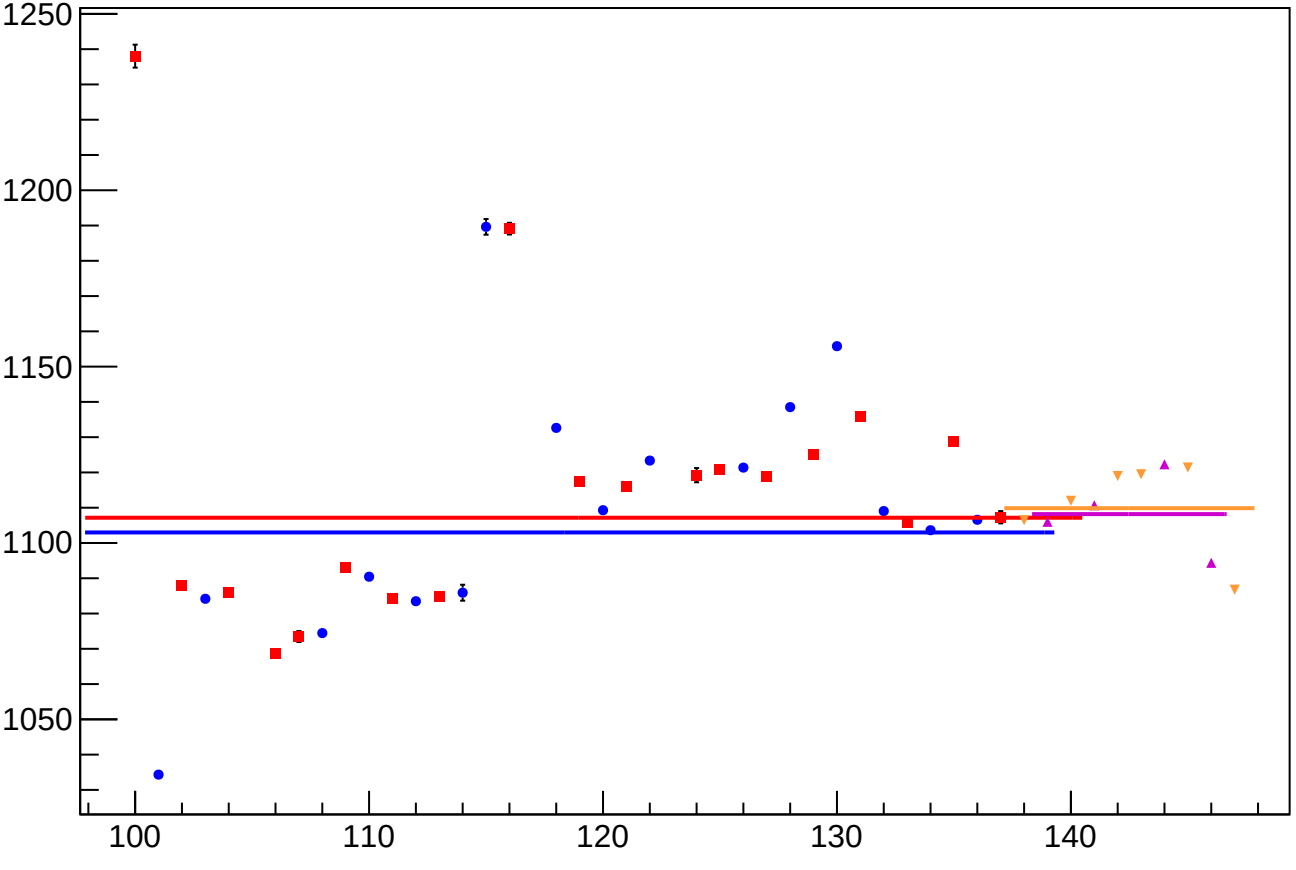
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2729.151+/-336.505 χ^2/NDF:10.5/19

Out: 1882.553+/-319.391 χ^2/NDF:17.0/24

All: 2283.776+/-231.658 χ^2/NDF: 30.8/44

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.866+/-0.369 χ^2/NDF:1119.7/5

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

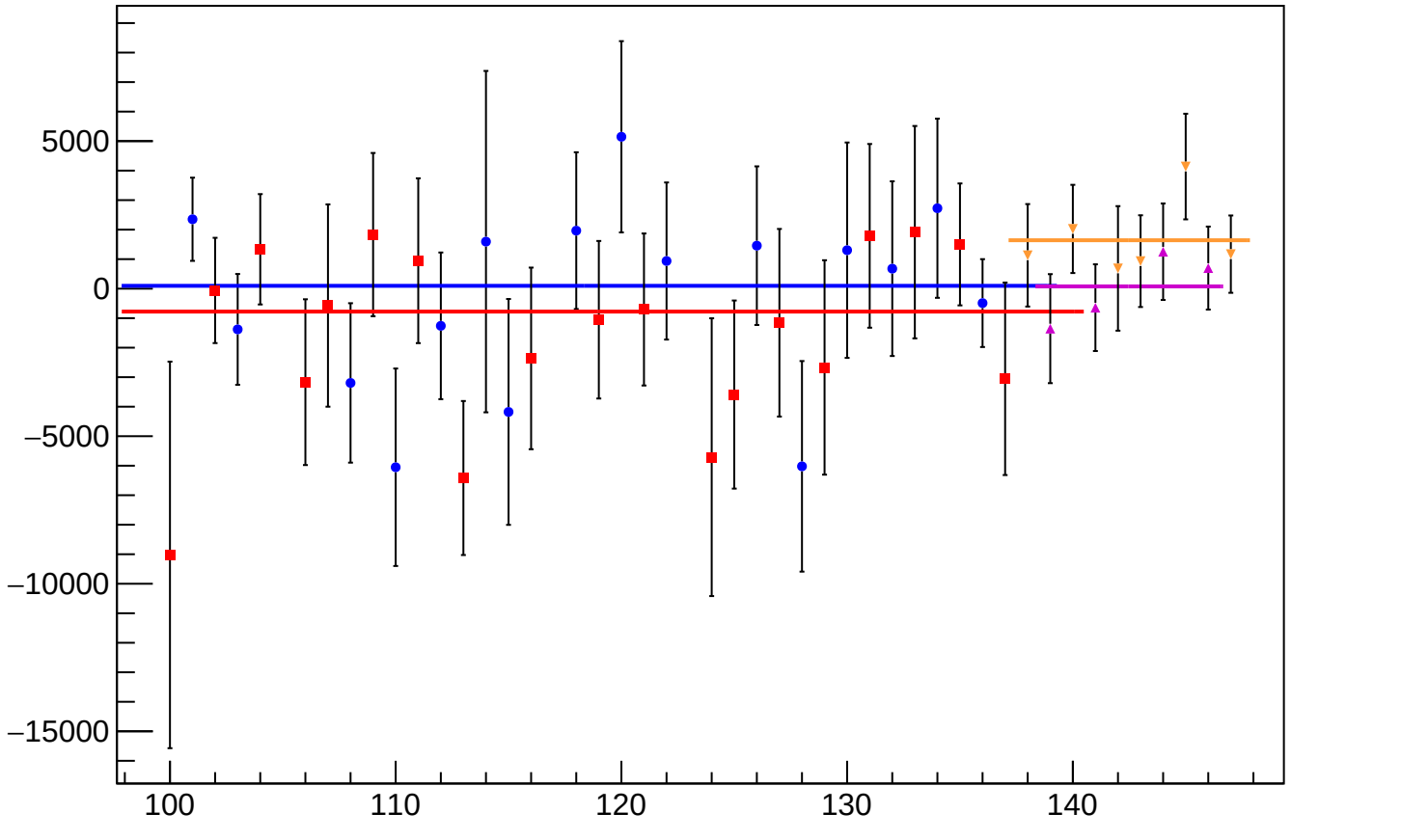
Left: 1109.128+/-0.276 χ^2/NDF: 1716.7/9

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

In: 1104.682+/-0.238 χ^2/NDF:13916.6/19

Out: 1108.173+/-0.226 χ^2/NDF:9836.7/24

All: 1106.518+/-0.164 χ^2/NDF: 23866.5/44



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1640.302+/-657.530 χ^2/NDF:2.6/5

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 76.767+/-781.740 χ^2/NDF:1.6/3

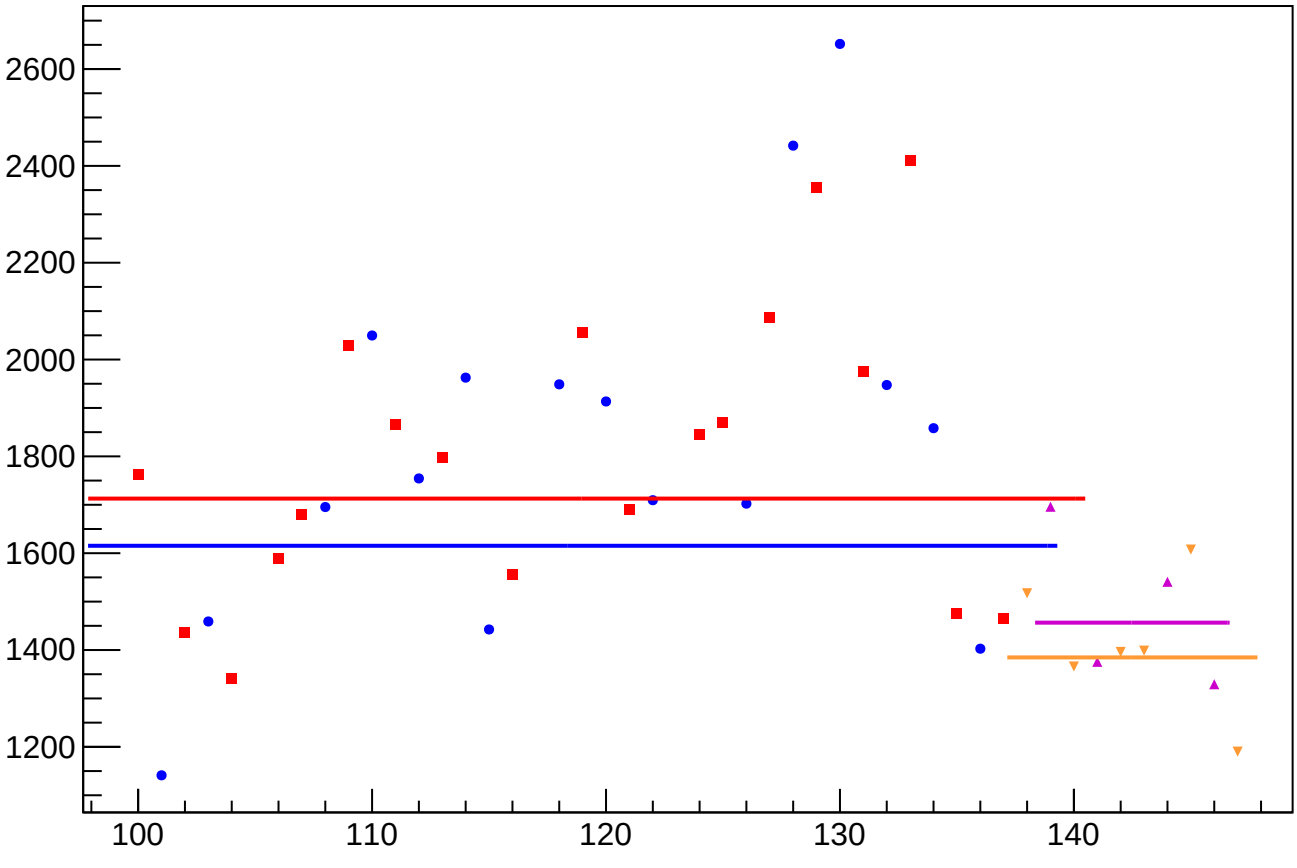
Left: 992.471+/-503.199 χ^2/NDF: 6.5/9

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

In: 88.574+/-484.851 χ^2/NDF:18.5/19

Out: 393.263+/-457.500 χ^2/NDF:24.7/24

All: 249.754+/-332.751 χ^2/NDF: 43.4/44



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1384.727+/-0.465 χ^2/NDF:87303.6/5

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

Left: 1414.480+/-0.356 χ^2/NDF: 158555.3/9

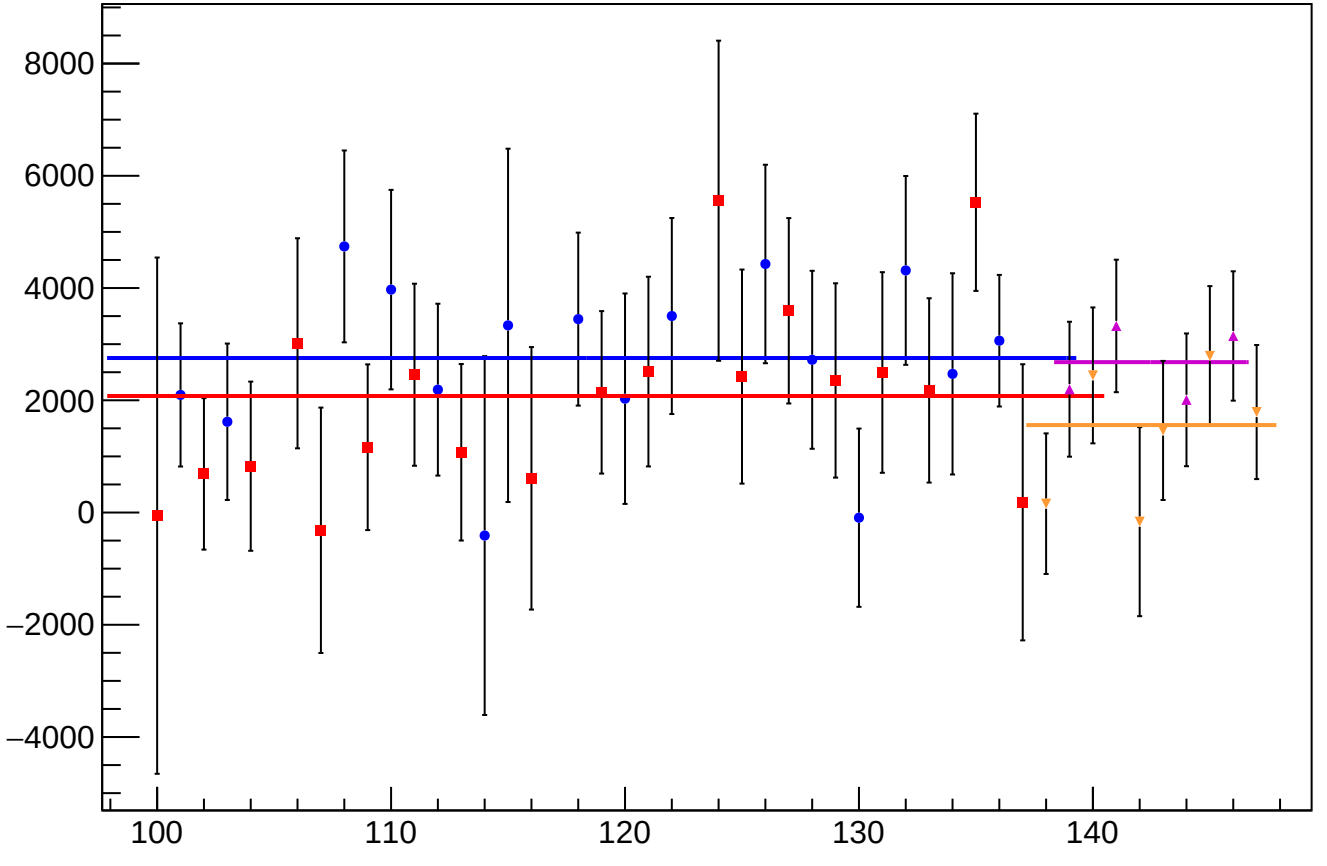
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1554.237+/-0.343 χ^2/NDF:805767.0/19

Out: 1553.973+/-0.324 χ^2/NDF:772222.1/24

All: 1554.097+/-0.235 χ^2/NDF: 1577989.4/44

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1558.477+/-522.006 χ^2/NDF:3.9/5

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2679.555+/-589.505 χ^2/NDF:0.9/3

Left: 2051.186+/-390.809 χ^2/NDF: 6.8/9

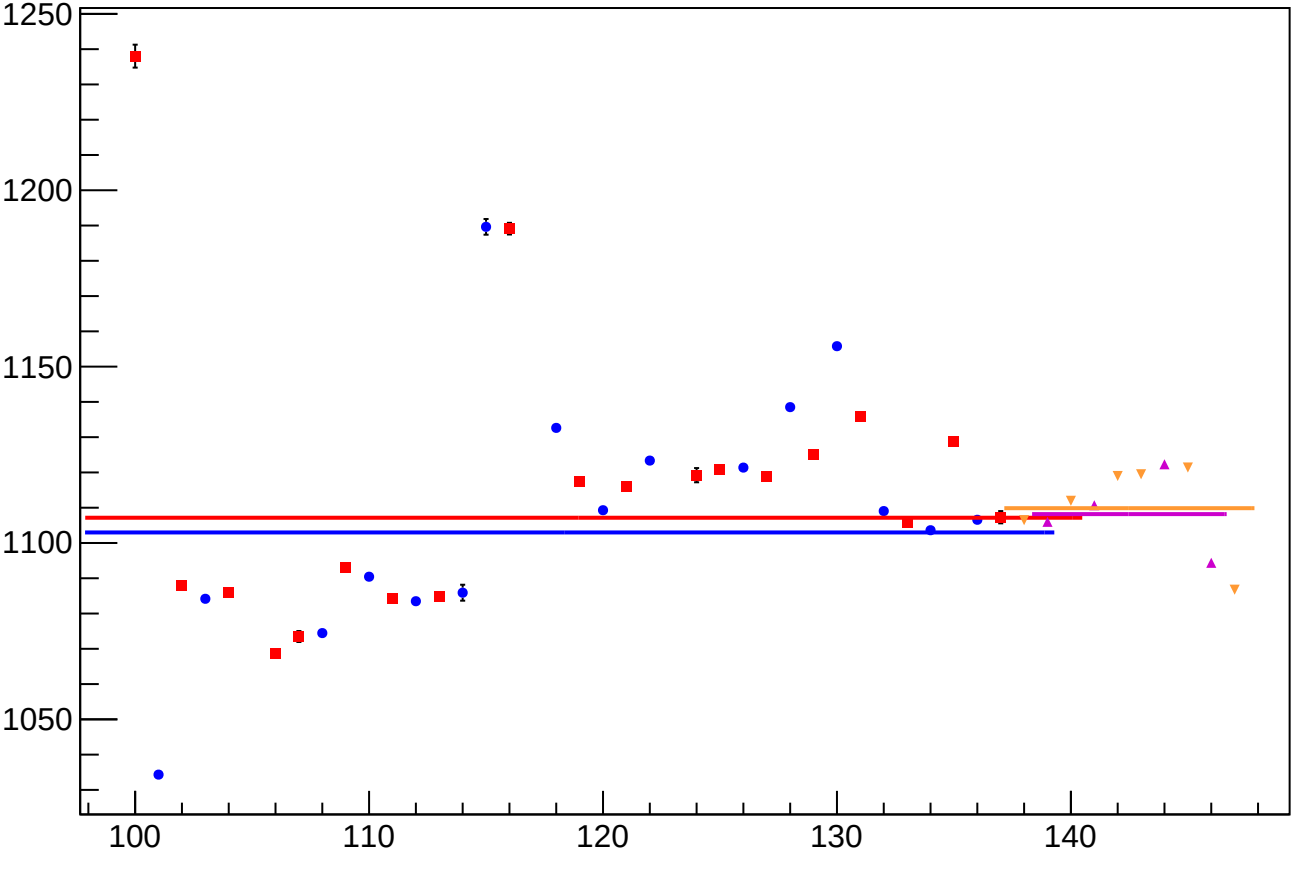
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2729.151+/-336.505 χ^2/NDF:10.5/19

Out: 1882.553+/-319.391 χ^2/NDF:17.0/24

All: 2283.776+/-231.658 χ^2/NDF: 30.8/44

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.866+/-0.369 χ^2/NDF:1119.7/5

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

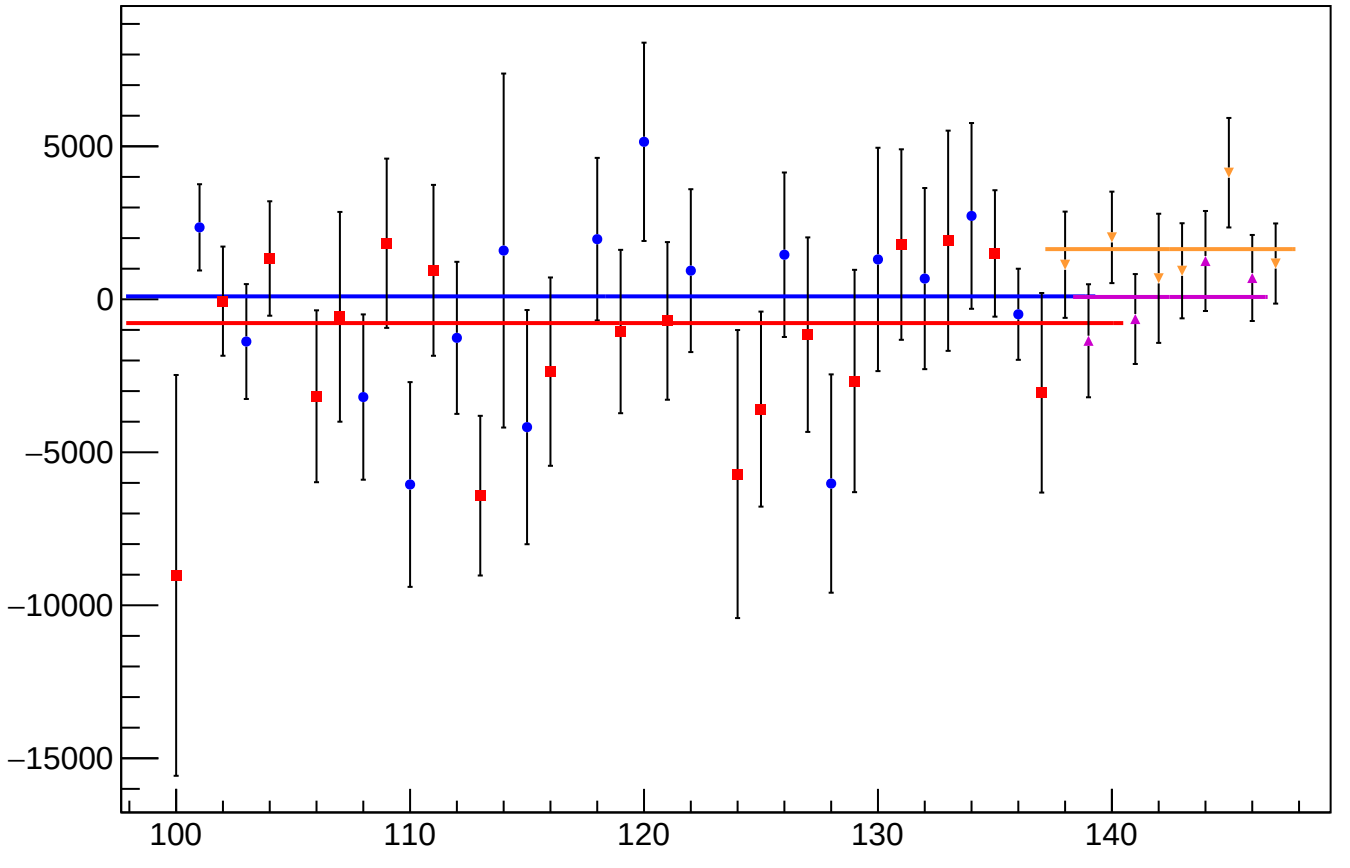
Left: 1109.128+/-0.276 χ^2/NDF: 1716.7/9

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

In: 1104.682+/-0.238 χ^2/NDF:13916.6/19

Out: 1108.173+/-0.226 χ^2/NDF:9836.7/24

All: 1106.518+/-0.164 χ^2/NDF: 23866.5/44



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1640.302+/-657.530 χ^2/NDF:2.6/5

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 76.767+/-781.740 χ^2/NDF:1.6/3

Left: 992.471+/-503.199 χ^2/NDF: 6.5/9

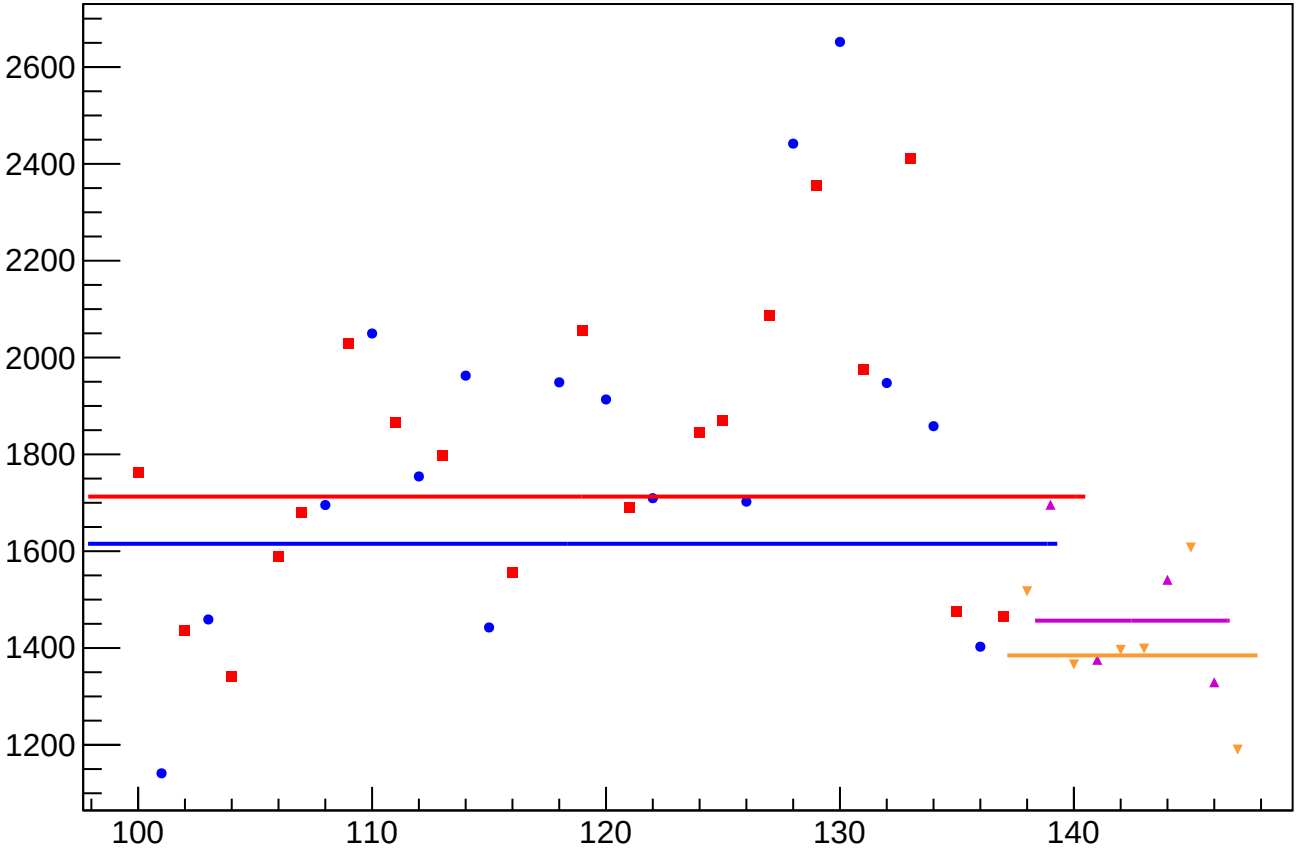
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 88.574+/-484.851 χ^2/NDF:18.5/19

Out: 393.263+/-457.500 χ^2/NDF:24.7/24

All: 249.754+/-332.751 χ^2/NDF: 43.4/44

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1384.727+/-0.465 χ^2/NDF:87303.6/5

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

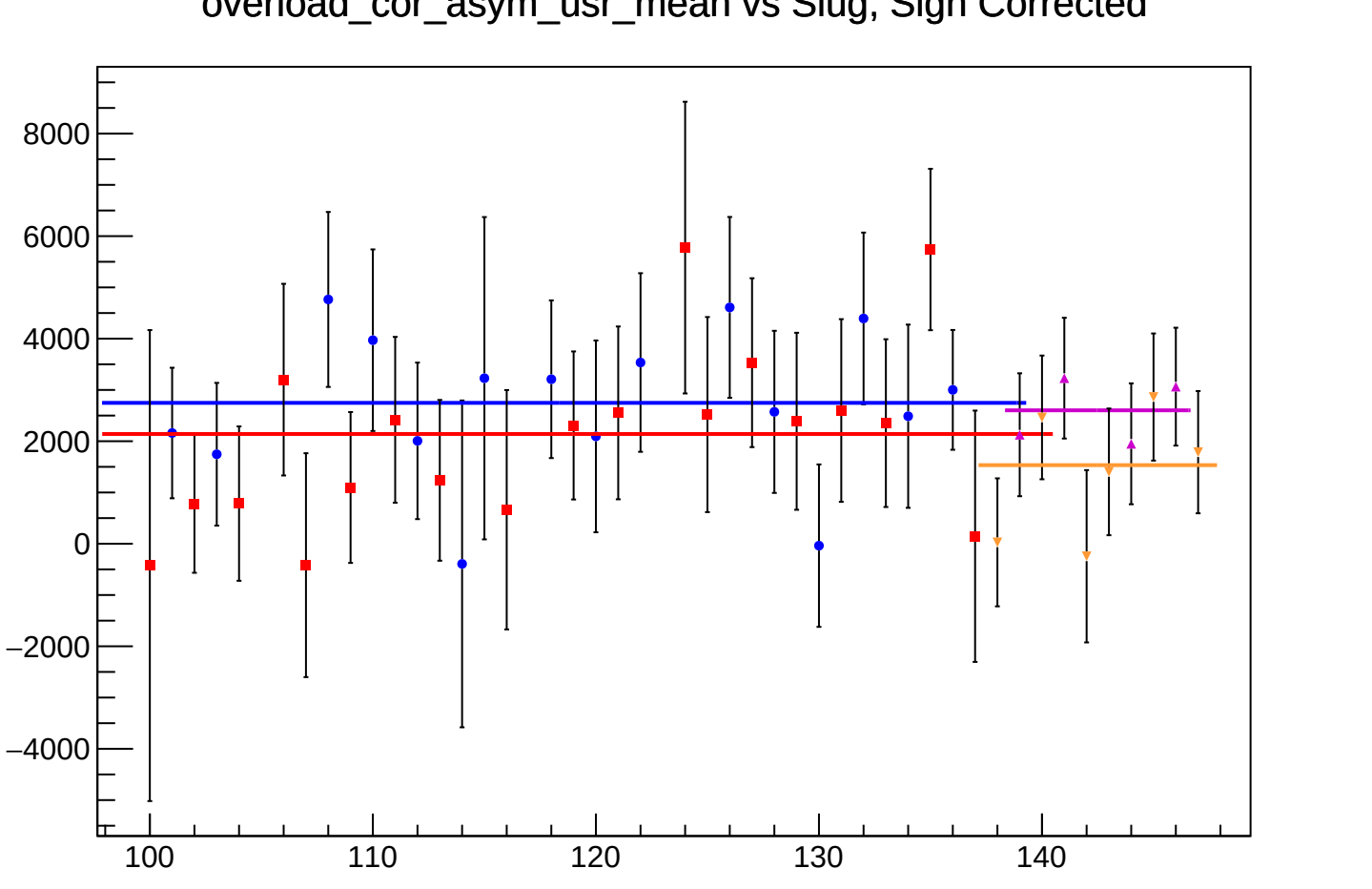
Left: 1414.480+/-0.356 χ^2/NDF: 158555.3/9

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

In: 1554.237+/-0.343 χ^2/NDF:805767.0/19

Out: 1553.973+/-0.324 χ^2/NDF:772222.1/24

All: 1554.097+/-0.235 χ^2/NDF: 1577989.4/44



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1533.207+/-520.456 χ^2/NDF:4.4/5

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2602.411+/-587.901 χ^2/NDF:0.9/3

Left: 2002.987+/-389.691 χ^2/NDF: 7.1/9

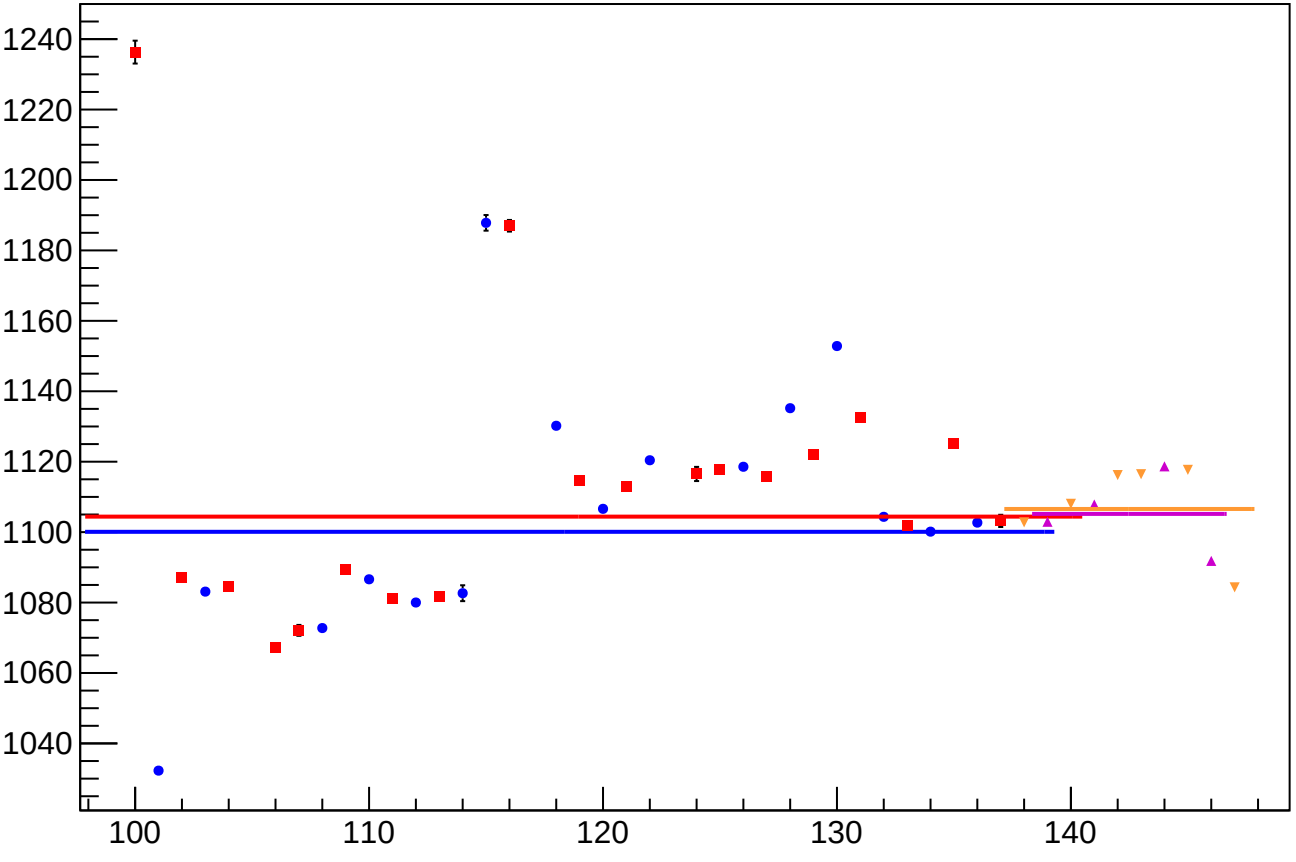
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2700.514+/-335.610 χ^2/NDF:10.5/19

Out: 1913.434+/-318.537 χ^2/NDF:18.8/24

All: 2286.446+/-231.040 χ^2/NDF: 32.1/44

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1106.576+/-0.368 χ^2/NDF:1072.6/5

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1105.175+/-0.416 χ^2/NDF:549.1/3

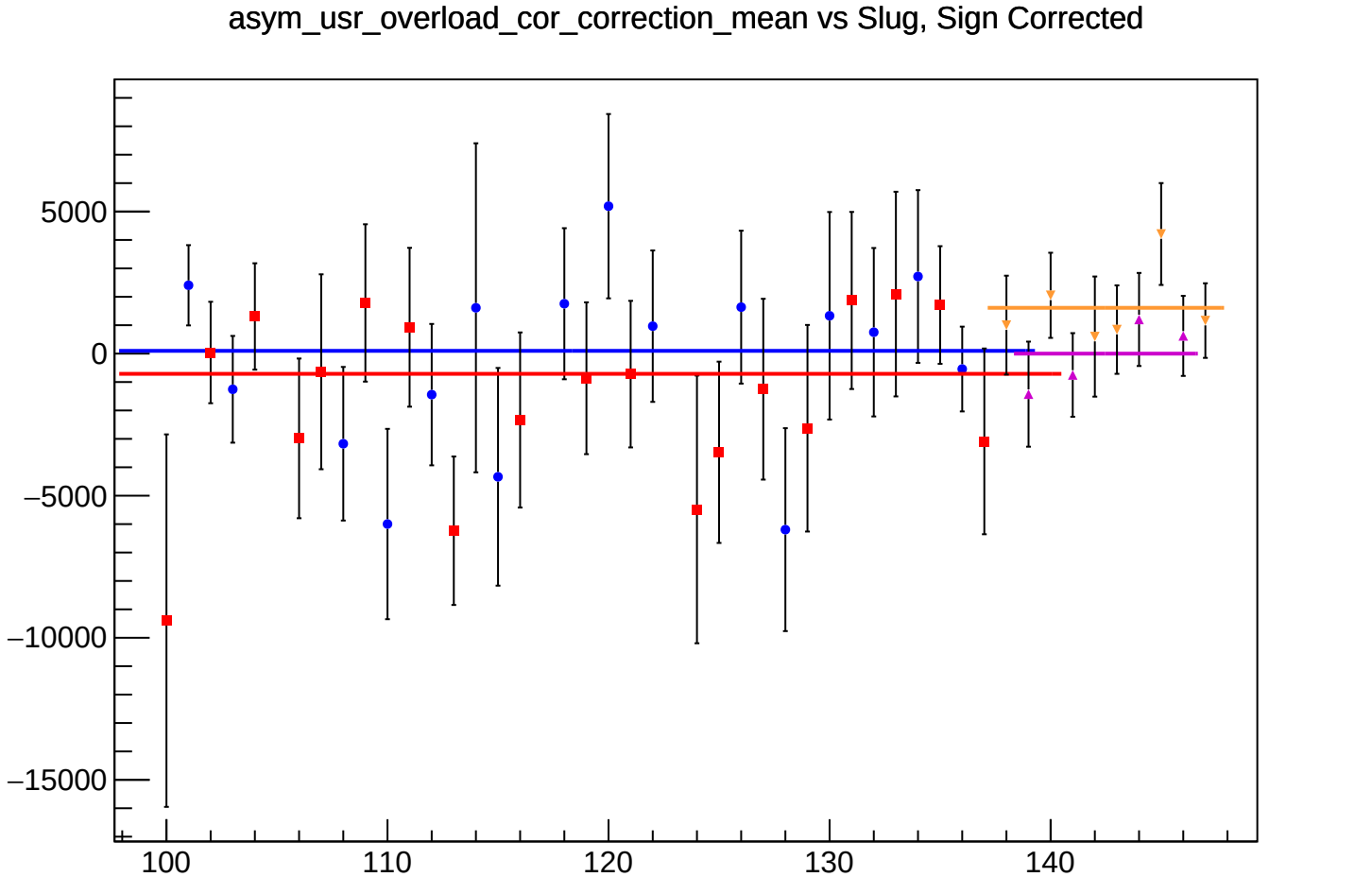
Left: 1105.960+/-0.276 χ^2/NDF: 1628.0/9

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

In: 1101.747+/-0.237 χ^2/NDF:13727.1/19

Out: 1105.217+/-0.225 χ^2/NDF:9637.9/24

All: 1103.573+/-0.163 χ^2/NDF: 23477.4/44



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

Left Out: 1611.737+/-658.752 χ^2/NDF:2.9/5

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

Left In: -0.807+/-782.969 χ^2/NDF:1.6/3

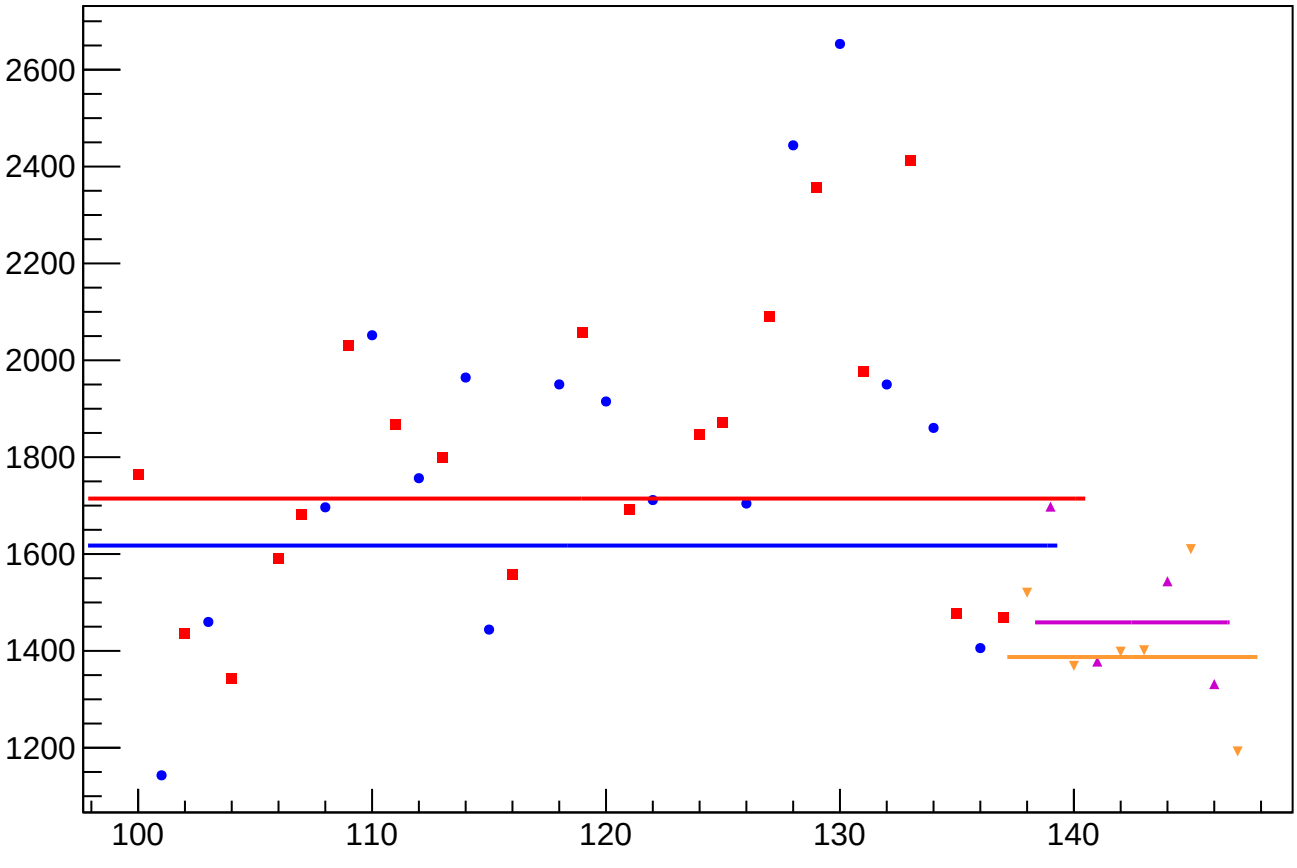
Left: 943.375+/-504.074 χ^2/NDF: 7.0/9

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

In: 59.658+/-485.521 χ^2/NDF:18.8/19

Out: 412.307+/-458.142 χ^2/NDF:24.2/24

All: 246.206+/-333.214 χ^2/NDF: 43.4/44



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1387.342+/-0.466 χ^2/NDF:87167.2/5

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1458.874+/-0.554 χ^2/NDF:61193.8/3

Left: 1416.990+/-0.356 χ^2/NDF: 158135.3/9

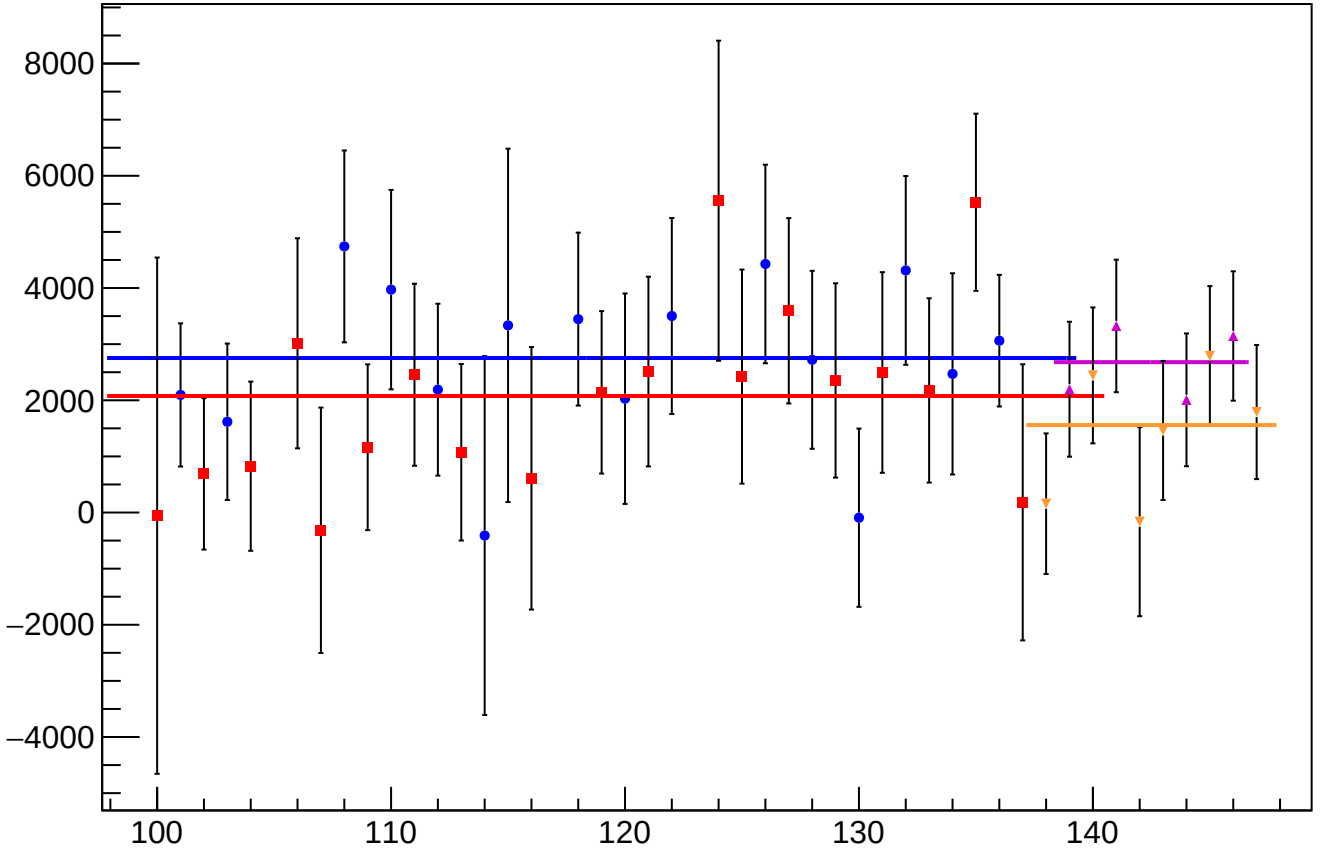
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1556.498+/-0.343 χ^2/NDF:803437.8/19

Out: 1556.265+/-0.324 χ^2/NDF:769585.4/24

All: 1556.375+/-0.236 χ^2/NDF: 1573023.4/44

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1558.477+/-522.006 χ^2/NDF:3.9/5

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2679.555+/-589.505 χ^2/NDF:0.9/3

Left: 2051.186+/-390.809 χ^2/NDF: 6.8/9

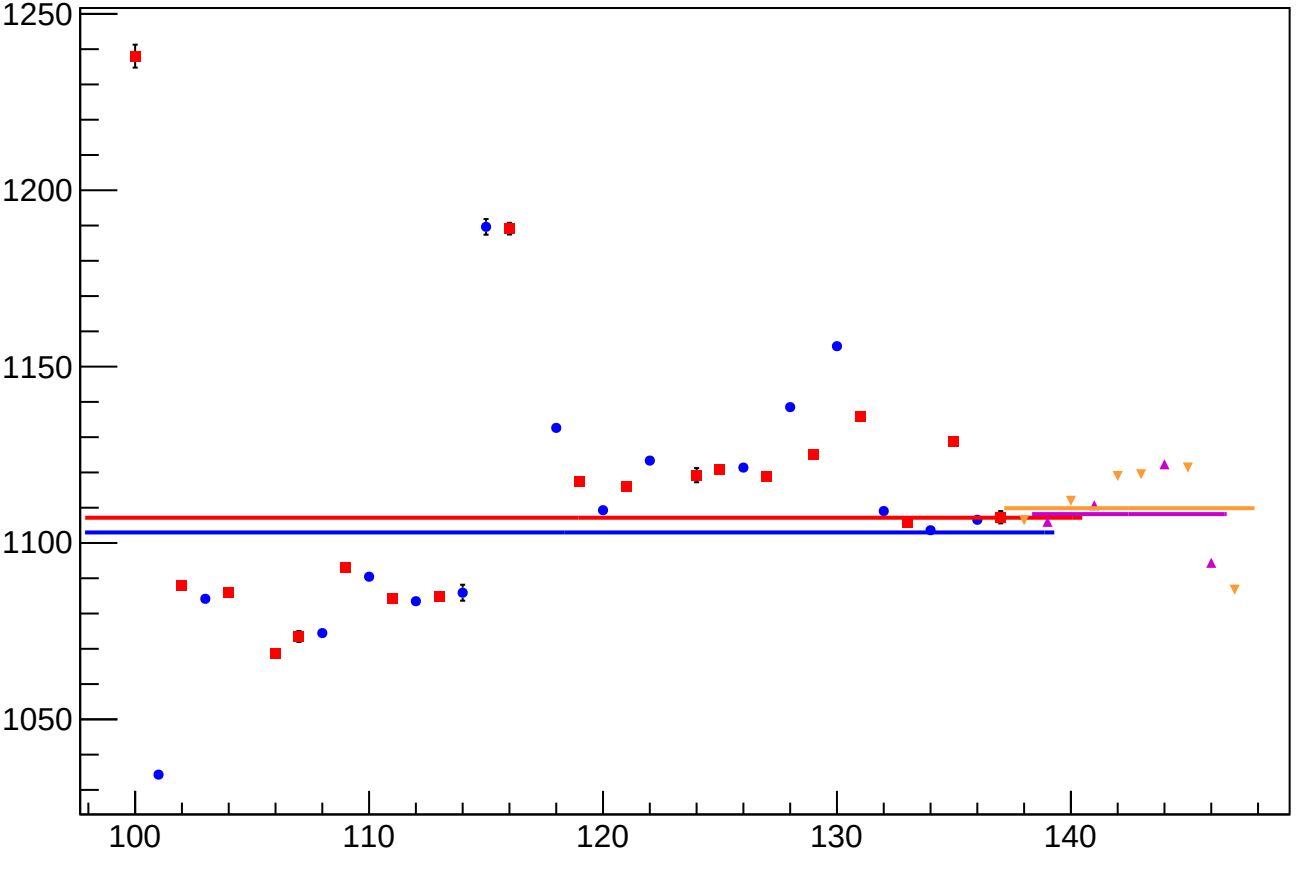
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2729.151+/-336.505 χ^2/NDF:10.5/19

Out: 1882.553+/-319.391 χ^2/NDF:17.0/24

All: 2283.776+/-231.658 χ^2/NDF: 30.8/44

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1109.866+/-0.369 χ^2/NDF:1119.7/5

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1108.187+/-0.417 χ^2/NDF:587.9/3

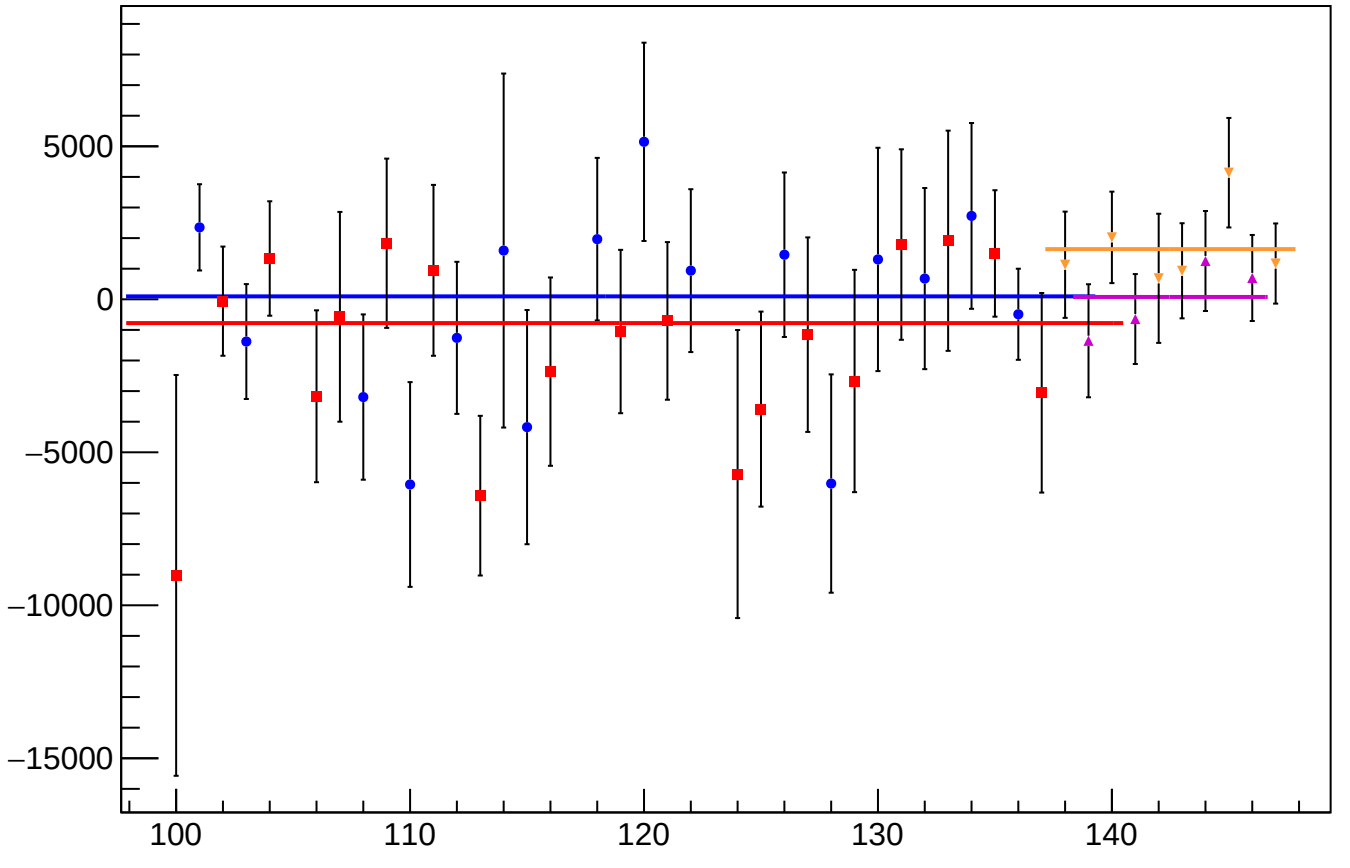
Left: 1109.128+/-0.276 χ^2/NDF: 1716.7/9

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

In: 1104.682+/-0.238 χ^2/NDF:13916.6/19

Out: 1108.173+/-0.226 χ^2/NDF:9836.7/24

All: 1106.518+/-0.164 χ^2/NDF: 23866.5/44



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1640.302+/-657.530 χ^2/NDF:2.6/5

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 76.767+/-781.740 χ^2/NDF:1.6/3

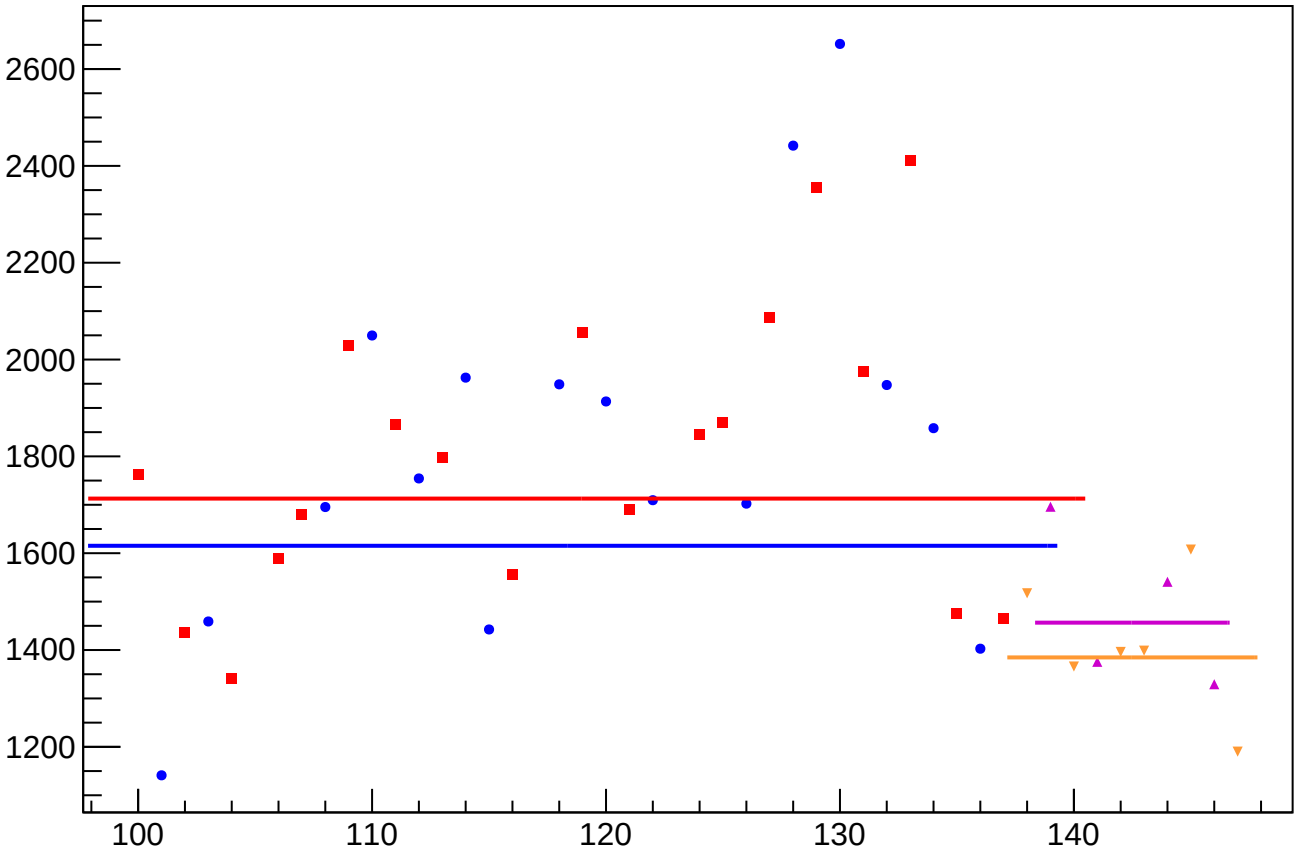
Left: 992.471+/-503.199 χ^2/NDF: 6.5/9

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

In: 88.574+/-484.851 χ^2/NDF:18.5/19

Out: 393.263+/-457.500 χ^2/NDF:24.7/24

All: 249.754+/-332.751 χ^2/NDF: 43.4/44



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1384.727+/-0.465 χ^2/NDF:87303.6/5

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1456.536+/-0.553 χ^2/NDF:61368.0/3

Left: 1414.480+/-0.356 χ^2/NDF: 158555.3/9

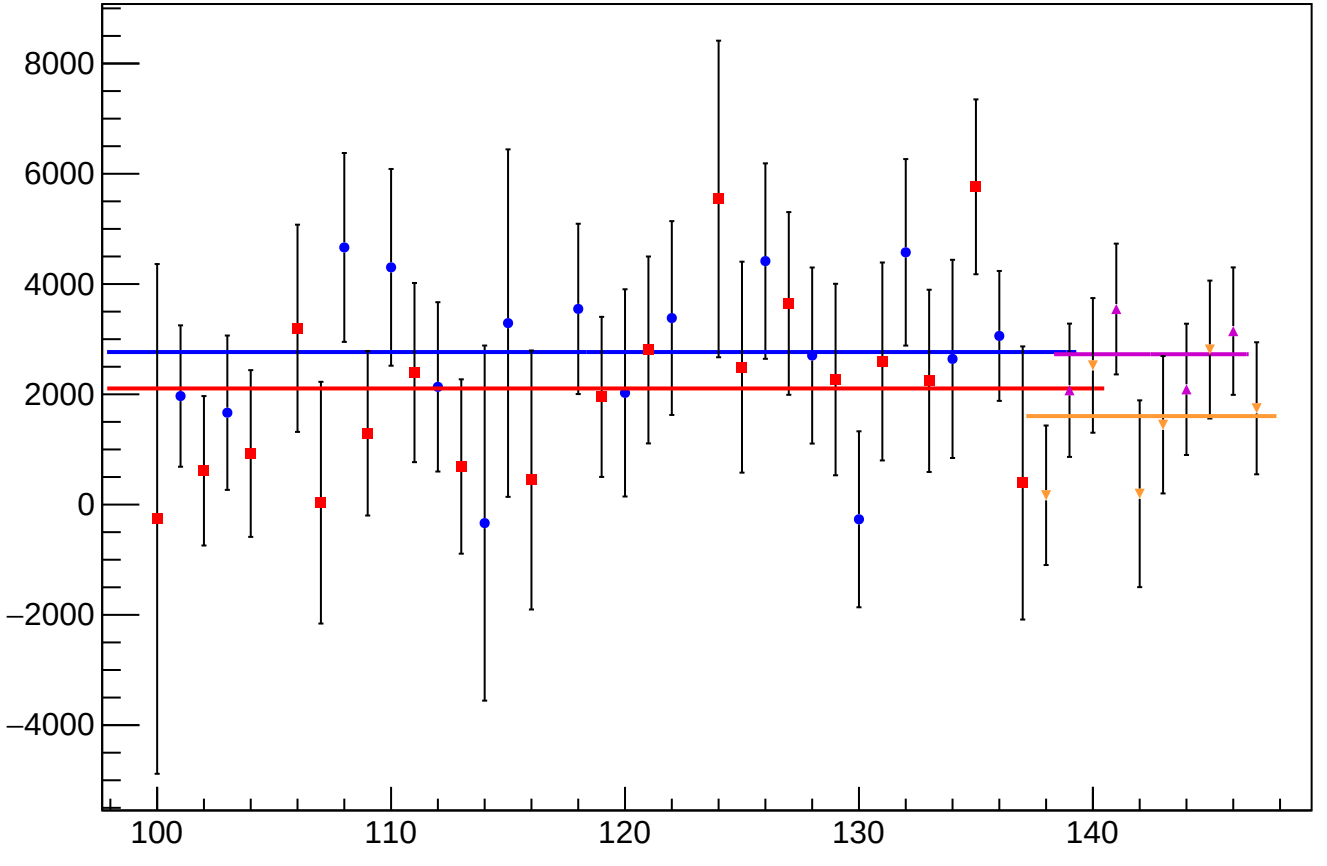
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1554.237+/-0.343 χ^2/NDF:805767.0/19

Out: 1553.973+/-0.324 χ^2/NDF:772222.1/24

All: 1554.097+/-0.235 χ^2/NDF: 1577989.4/44

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1604.647+/-525.219 χ^2/NDF:3.5/5

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2727.042+/-592.406 χ^2/NDF:1.2/3

Left: 2098.613+/-393.003 χ^2/NDF: 6.7/9

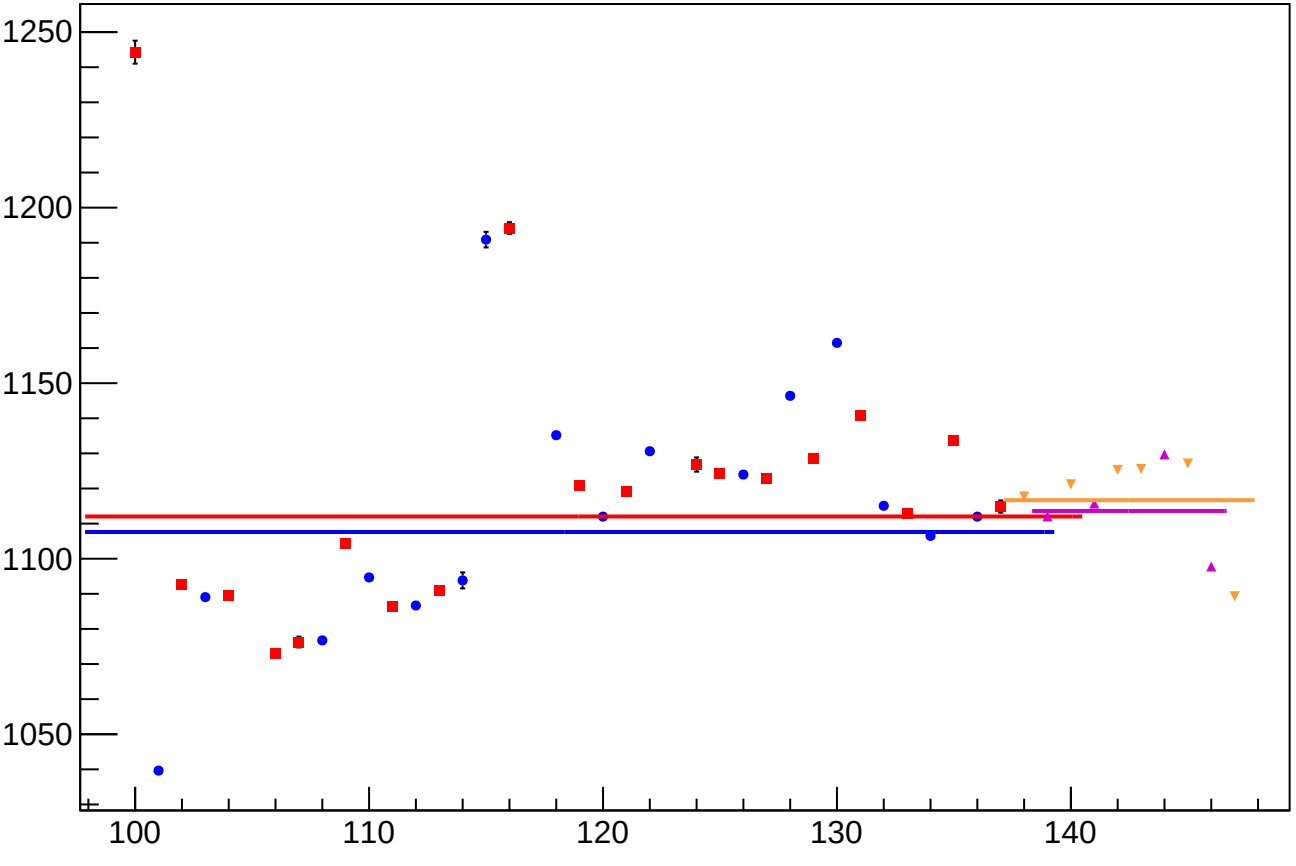
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2753.761+/-338.000 χ^2/NDF:11.5/19

Out: 1918.938+/-321.012 χ^2/NDF:17.4/24

All: 2314.844+/-232.764 χ^2/NDF: 32.2/44

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1116.668+/-0.371 χ^2/NDF:1366.5/5

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1113.599+/-0.419 χ^2/NDF:750.2/3

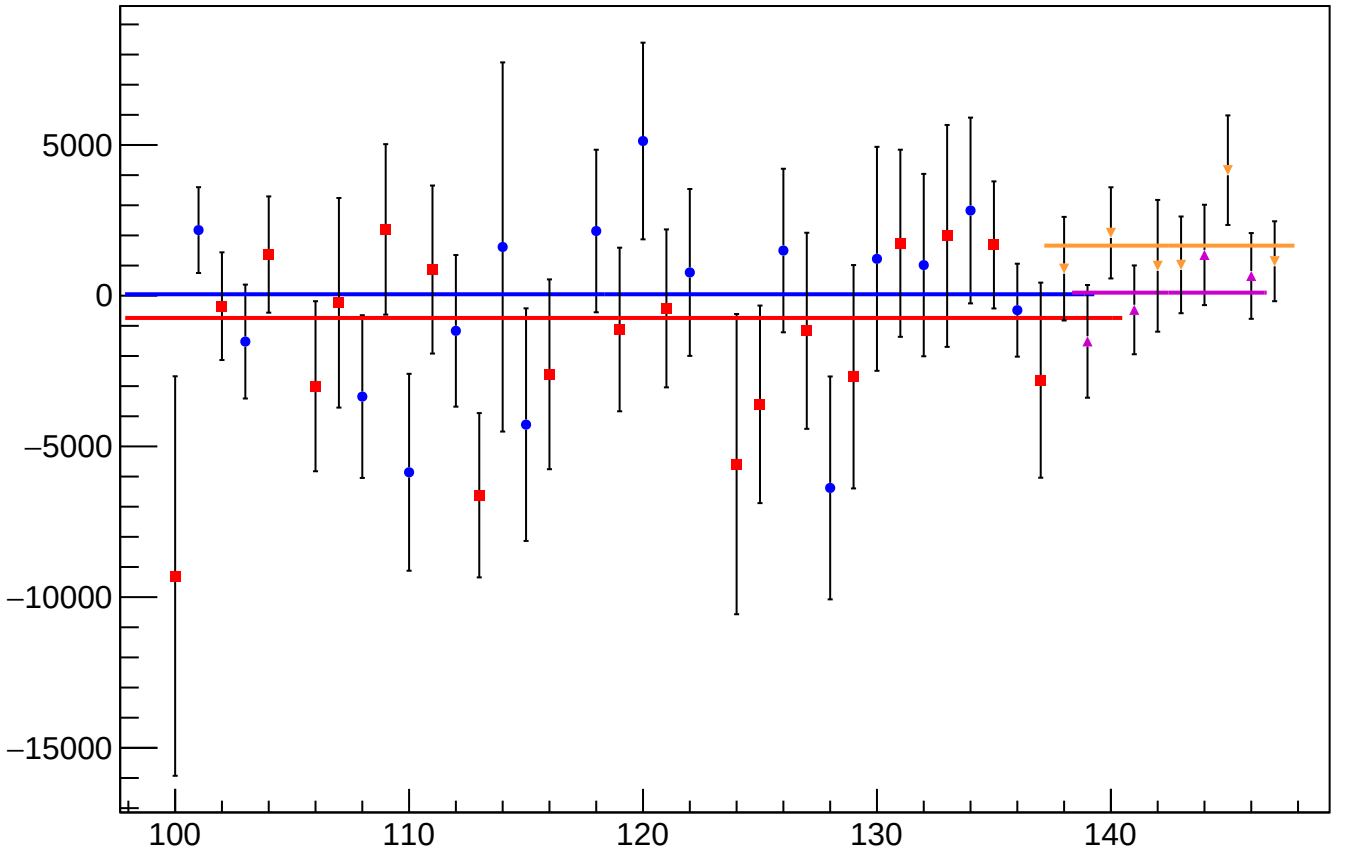
Left: 1115.317+/-0.278 χ^2/NDF: 2146.8/9

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

In: 1109.562+/-0.239 χ^2/NDF:14108.7/19

Out: 1113.762+/-0.227 χ^2/NDF:10117.7/24

All: 1111.770+/-0.165 χ^2/NDF: 24388.8/44



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1661.686+/-667.409 χ^2/NDF:2.6/5

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 101.434+/-790.243 χ^2/NDF:1.6/3

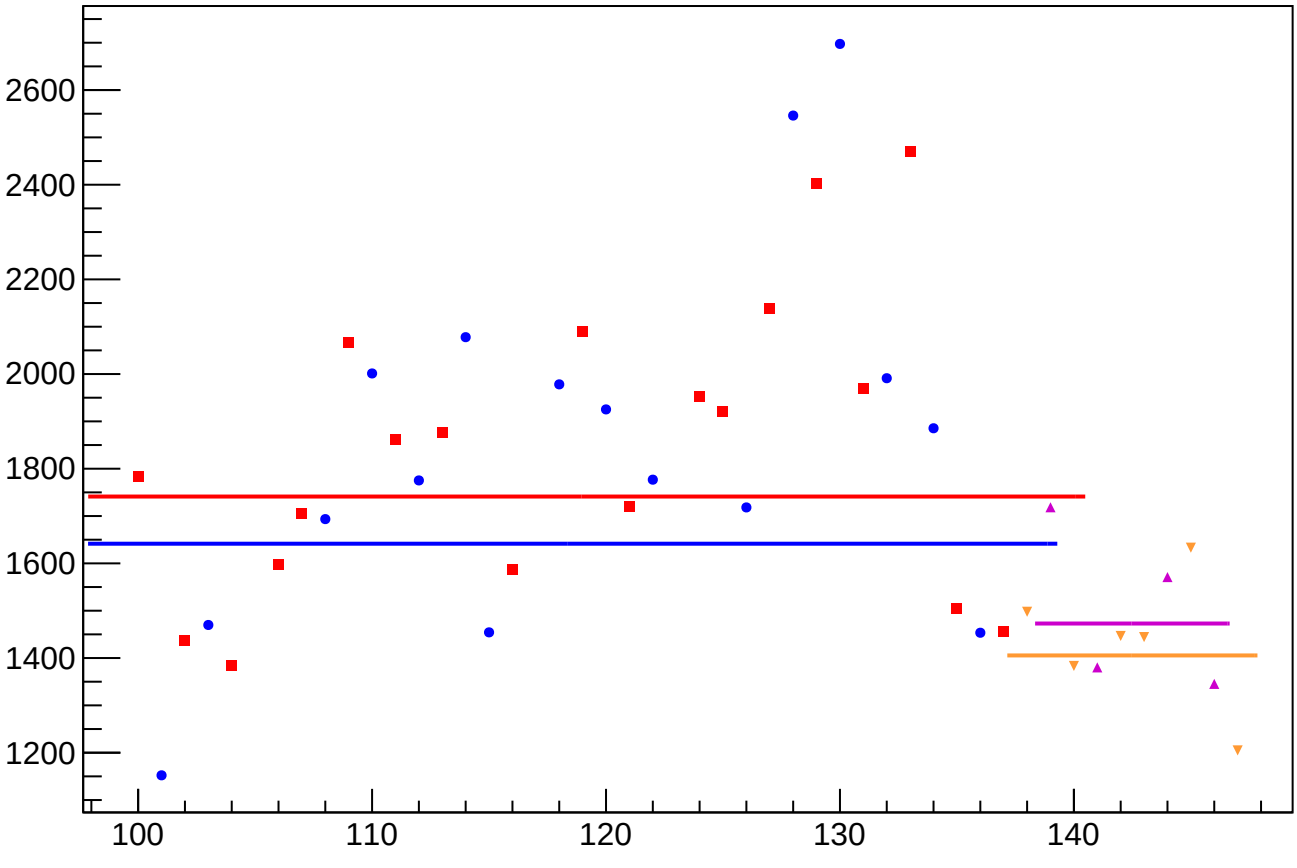
Left: 1012.113+/-509.891 χ^2/NDF: 6.5/9

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

In: 68.574+/-491.685 χ^2/NDF:18.5/19

Out: 425.969+/-464.840 χ^2/NDF:24.2/24

All: 257.294+/-337.783 χ^2/NDF: 43.0/44



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1405.496+/-0.472 χ^2/NDF:85233.6/5

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1472.913+/-0.559 χ^2/NDF:65422.9/3

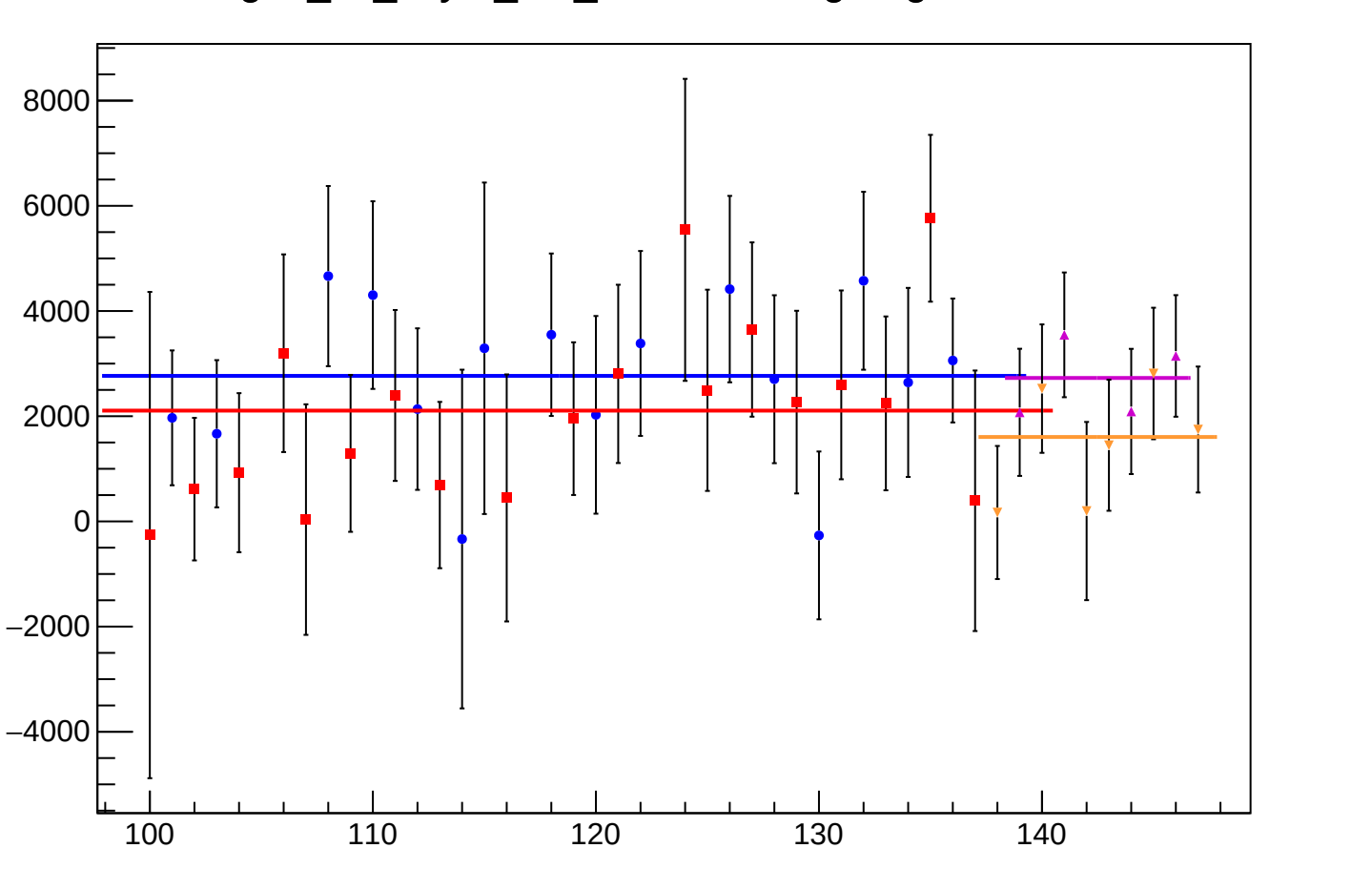
Left: 1433.563+/-0.361 χ^2/NDF: 159152.7/9

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

In: 1576.259+/-0.348 χ^2/NDF:822545.6/19

Out: 1578.353+/-0.329 χ^2/NDF:784119.7/24

All: 1577.365+/-0.239 χ^2/NDF: 1606684.5/44



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1604.649+/-525.219 χ^2/NDF:3.5/5

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2727.039+/-592.406 χ^2/NDF:1.2/3

Left: 2098.613+/-393.003 χ^2/NDF: 6.7/9

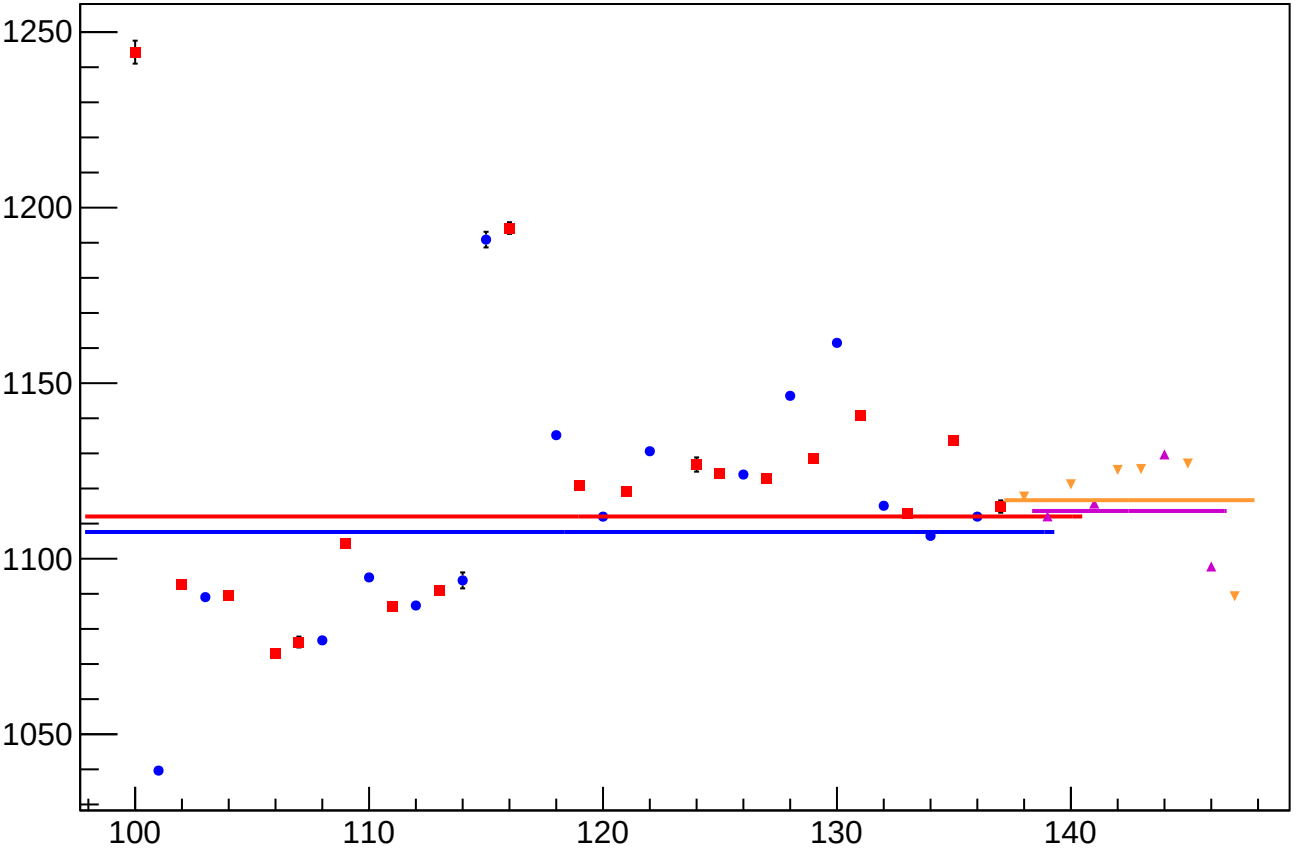
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2753.759+/-338.000 χ^2/NDF:11.5/19

Out: 1918.940+/-321.012 χ^2/NDF:17.4/24

All: 2314.844+/-232.764 χ^2/NDF: 32.2/44

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1116.668+/-0.371 χ^2/NDF:1366.5/5

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1113.599+/-0.419 χ^2/NDF:750.2/3

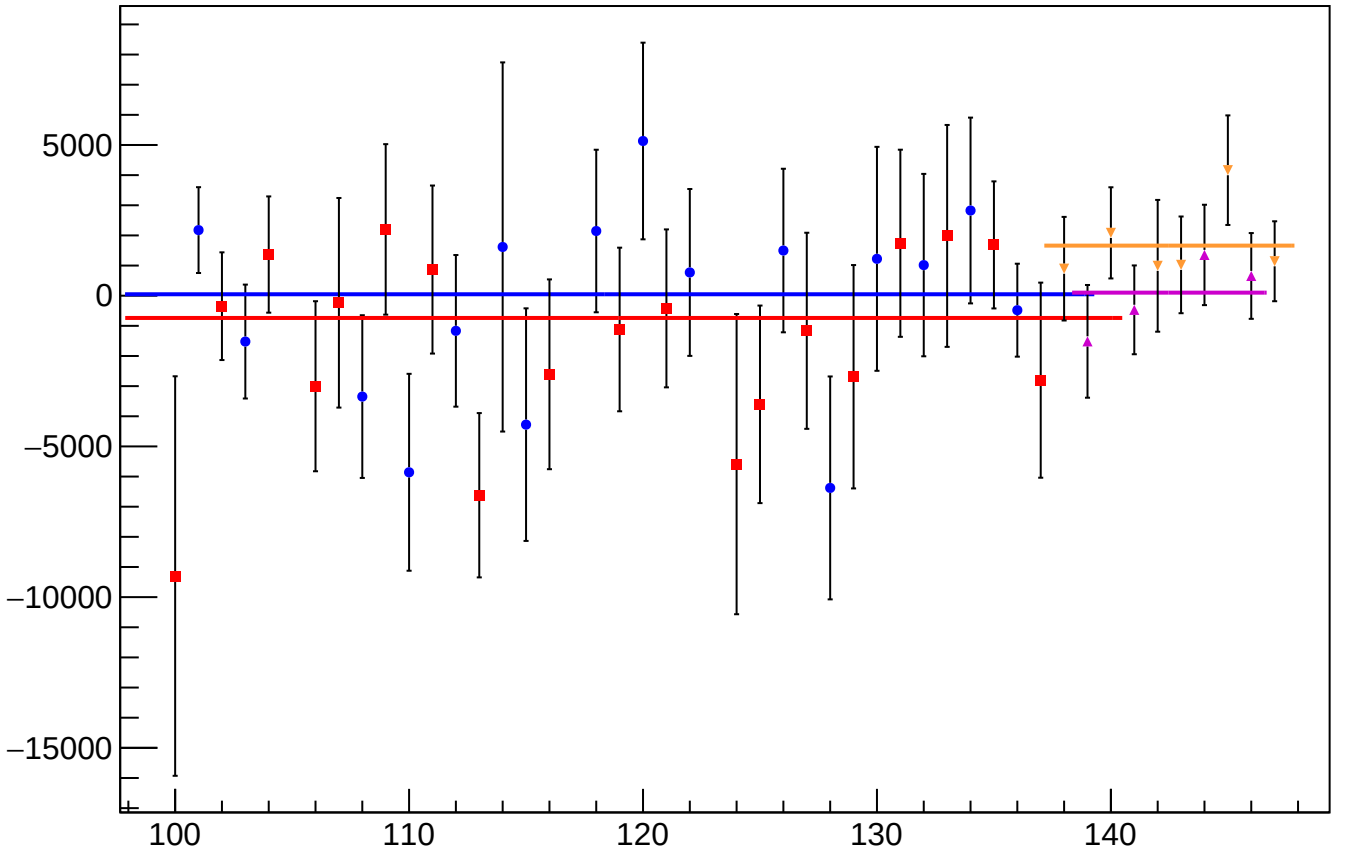
Left: 1115.317+/-0.278 χ^2/NDF: 2146.8/9

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

In: 1109.562+/-0.239 χ^2/NDF:14108.6/19

Out: 1113.762+/-0.227 χ^2/NDF:10117.7/24

All: 1111.770+/-0.165 χ^2/NDF: 24388.7/44



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1661.687+/-667.411 χ^2/NDF:2.6/5

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 101.432+/-790.245 χ^2/NDF:1.6/3

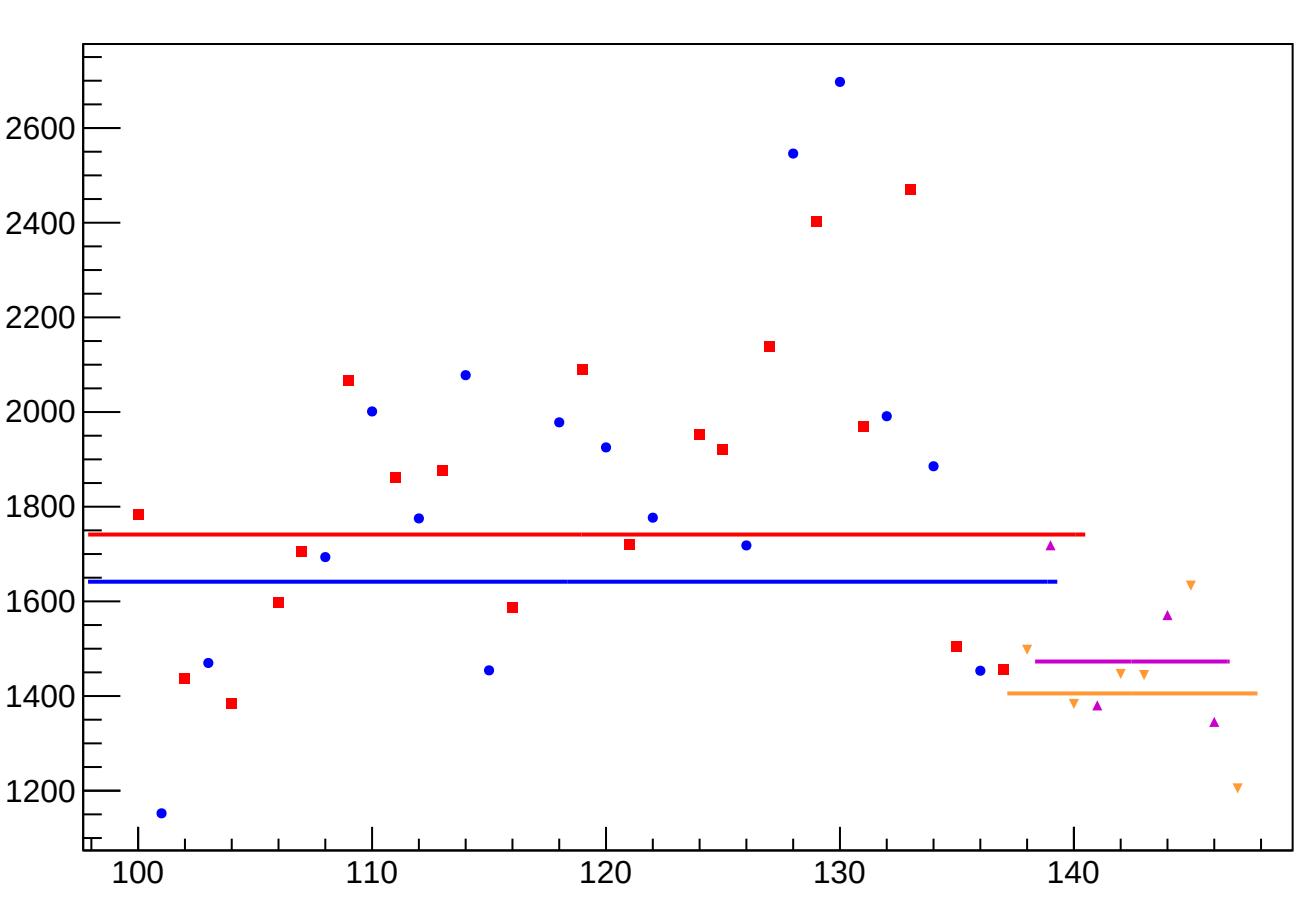
Left: 1012.113+/-509.892 χ^2/NDF: 6.5/9

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

In: 68.570+/-491.685 χ^2/NDF:18.5/19

Out: 425.963+/-464.840 χ^2/NDF:24.2/24

All: 257.289+/-337.783 χ^2/NDF: 43.0/44



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1405.499+/-0.472 χ^2/NDF:85235.2/5

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1472.916+/-0.559 χ^2/NDF:65424.7/3

Left: 1433.567+/-0.361 χ^2/NDF: 159156.1/9

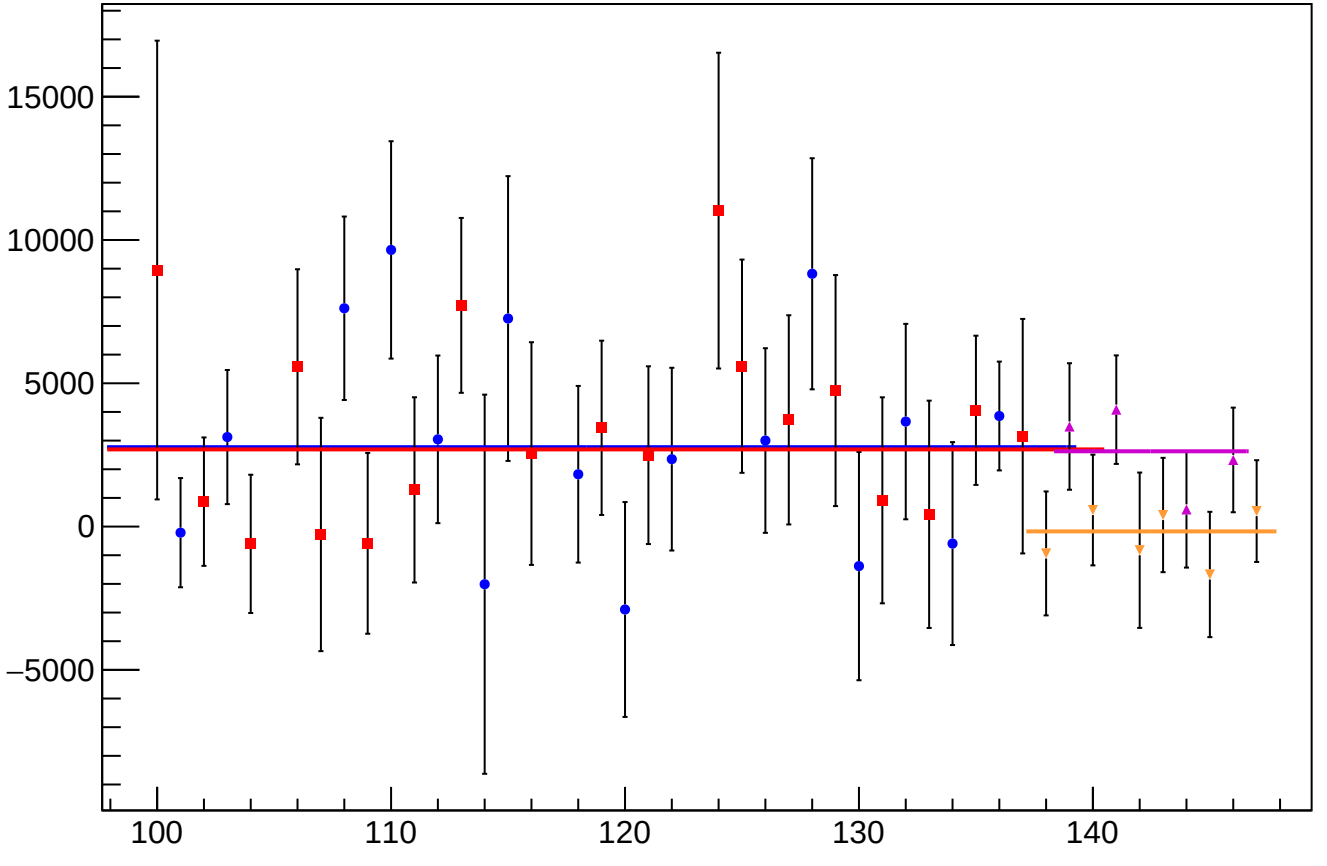
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1576.259+/-0.348 χ^2/NDF:822531.5/19

Out: 1578.355+/-0.329 χ^2/NDF:784101.9/24

All: 1577.366+/-0.239 χ^2/NDF: 1606652.6/44

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: -167.937+/-846.431 χ^2/NDF:1.0/5

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2627.058+/-986.779 χ^2/NDF:1.8/3

Left: 1016.826+/-642.459 χ^2/NDF: 7.4/9

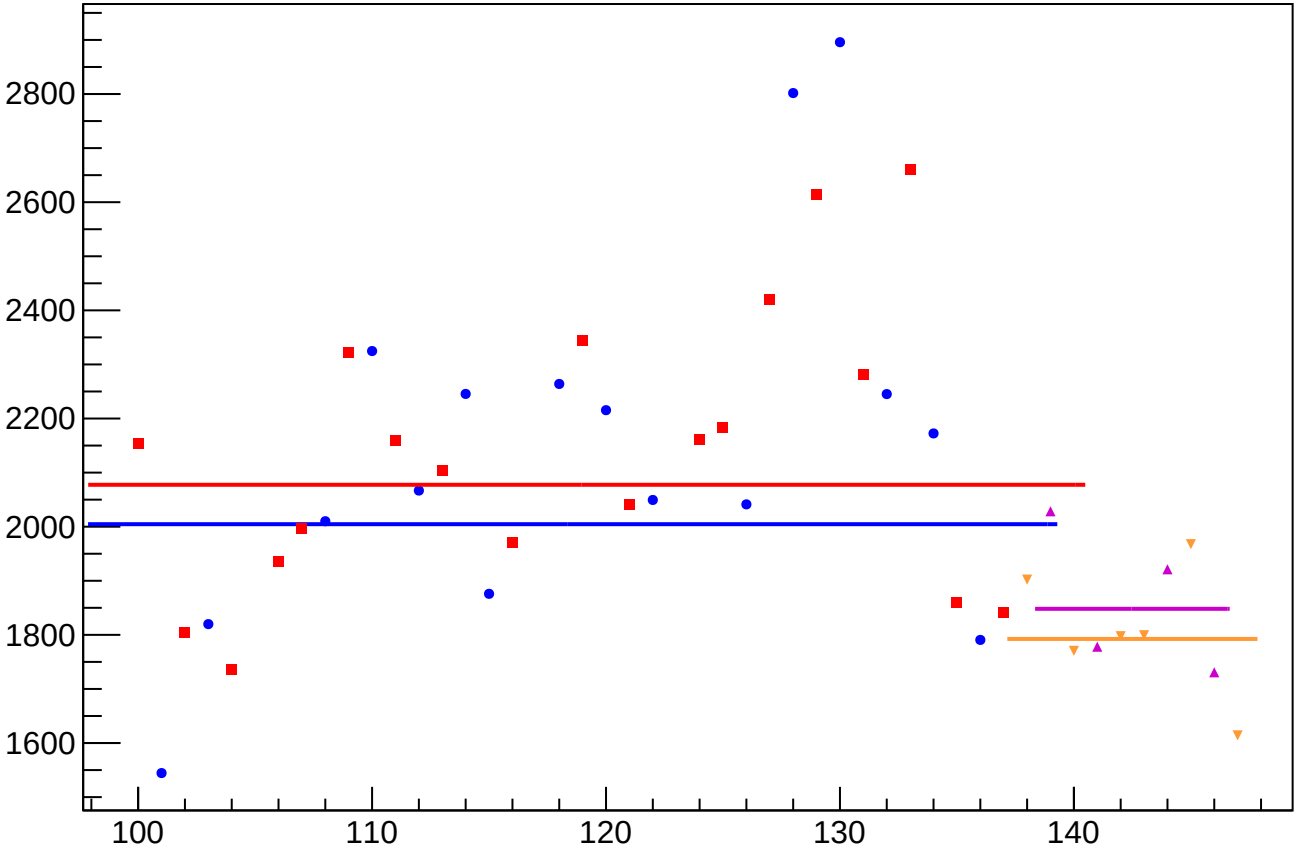
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2717.003+/-600.677 χ^2/NDF:18.2/19

Out: 1405.135+/-567.855 χ^2/NDF:19.9/24

All: 2024.251+/-412.650 χ^2/NDF: 40.6/44

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1792.479+/-0.599 χ^2/NDF:38460.1/5

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1848.144+/-0.698 χ^2/NDF:26951.0/3

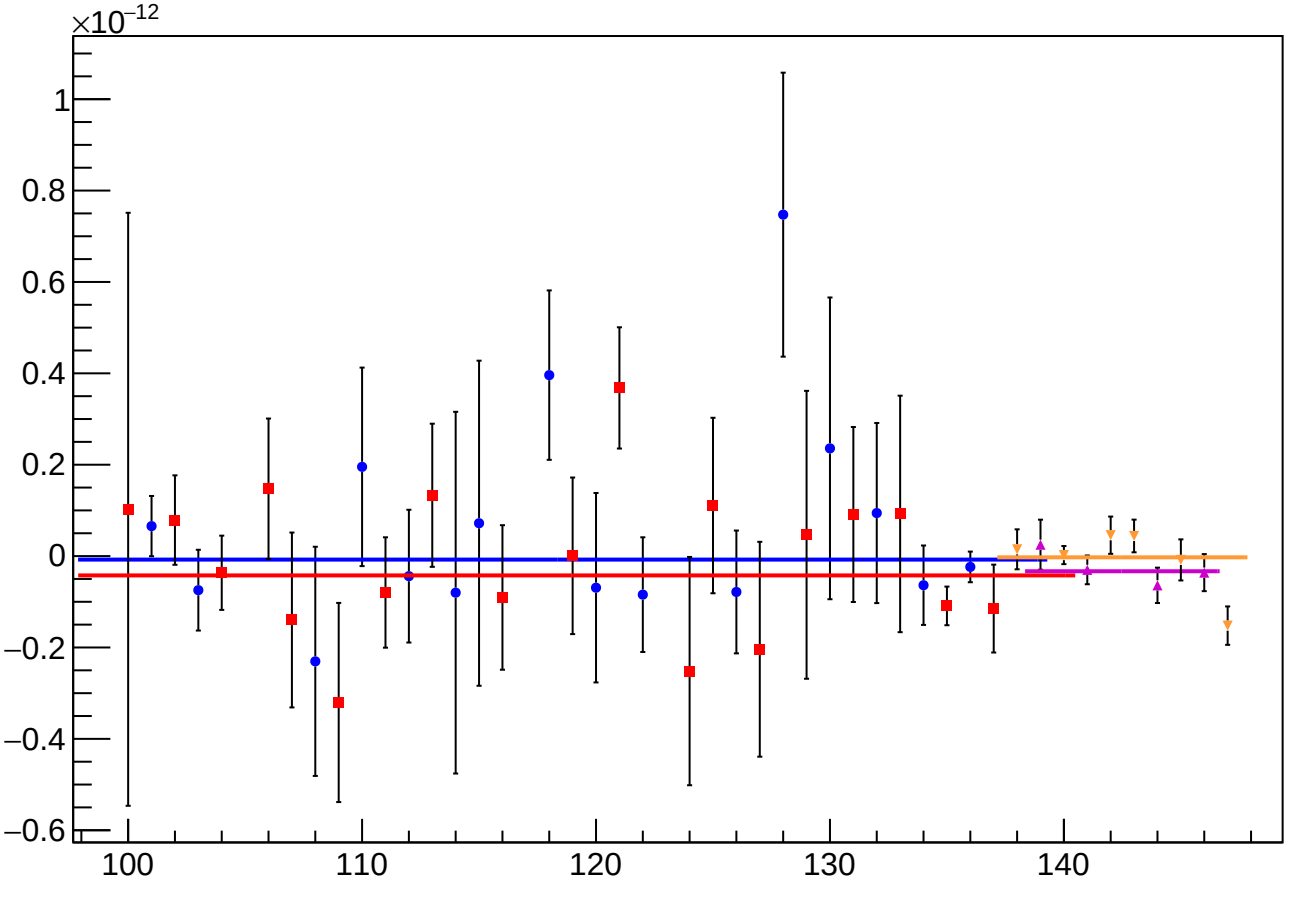
Left: 1816.075+/-0.454 χ^2/NDF: 69077.7/9

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

In: 1946.648+/-0.425 χ^2/NDF:446179.9/19

Out: 1949.217+/-0.402 χ^2/NDF:393651.0/24

All: 1948.005+/-0.292 χ^2/NDF: 839850.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

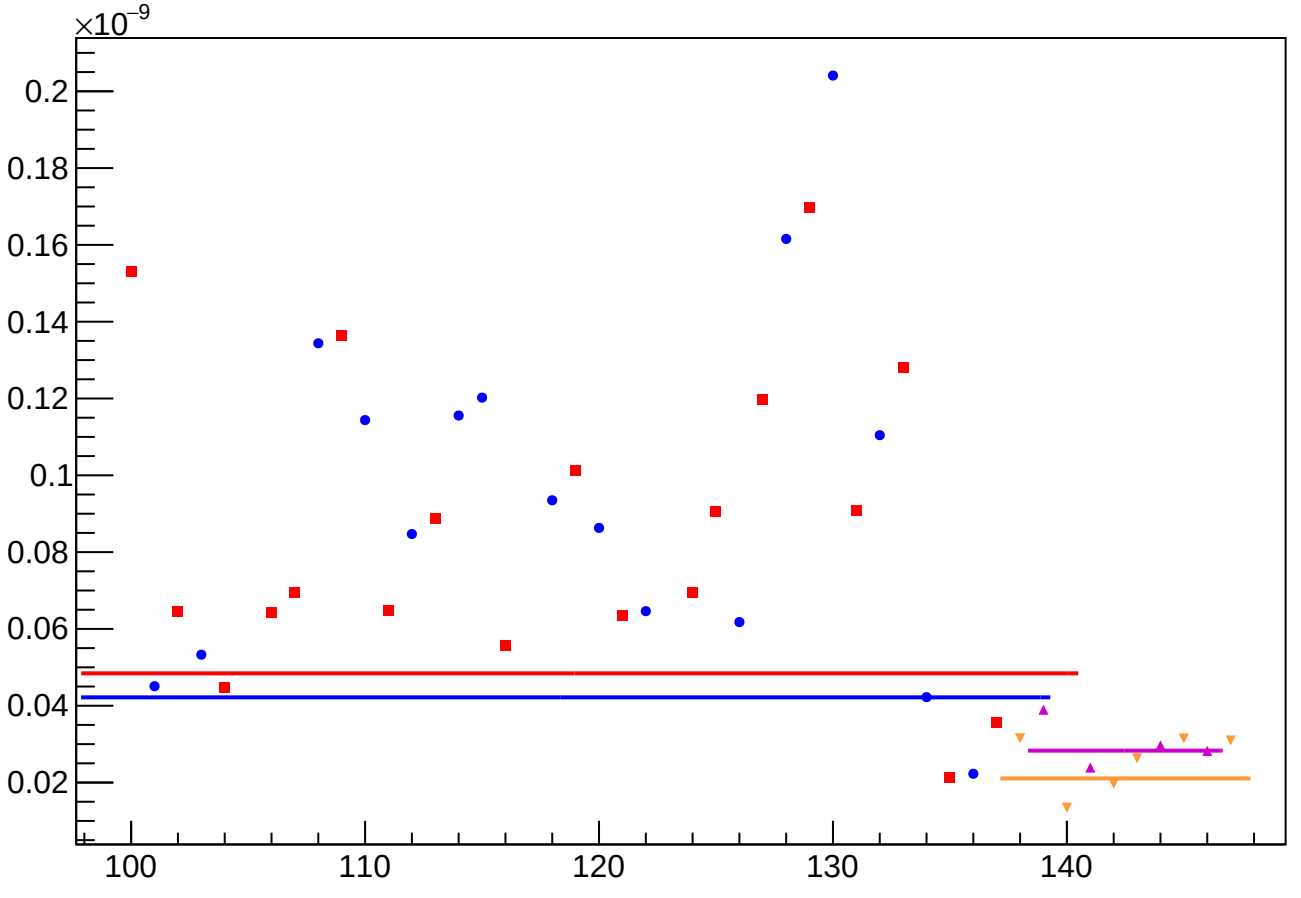
Left: -0.000+/-0.000 χ^2/NDF: 19.4/9

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

In: -0.000+/-0.000 χ^2/NDF:18.9/19

Out: -0.000+/-0.000 χ^2/NDF:39.5/24

All: -0.000+/-0.000 χ^2/NDF: 58.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:673726.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:117498.6/3

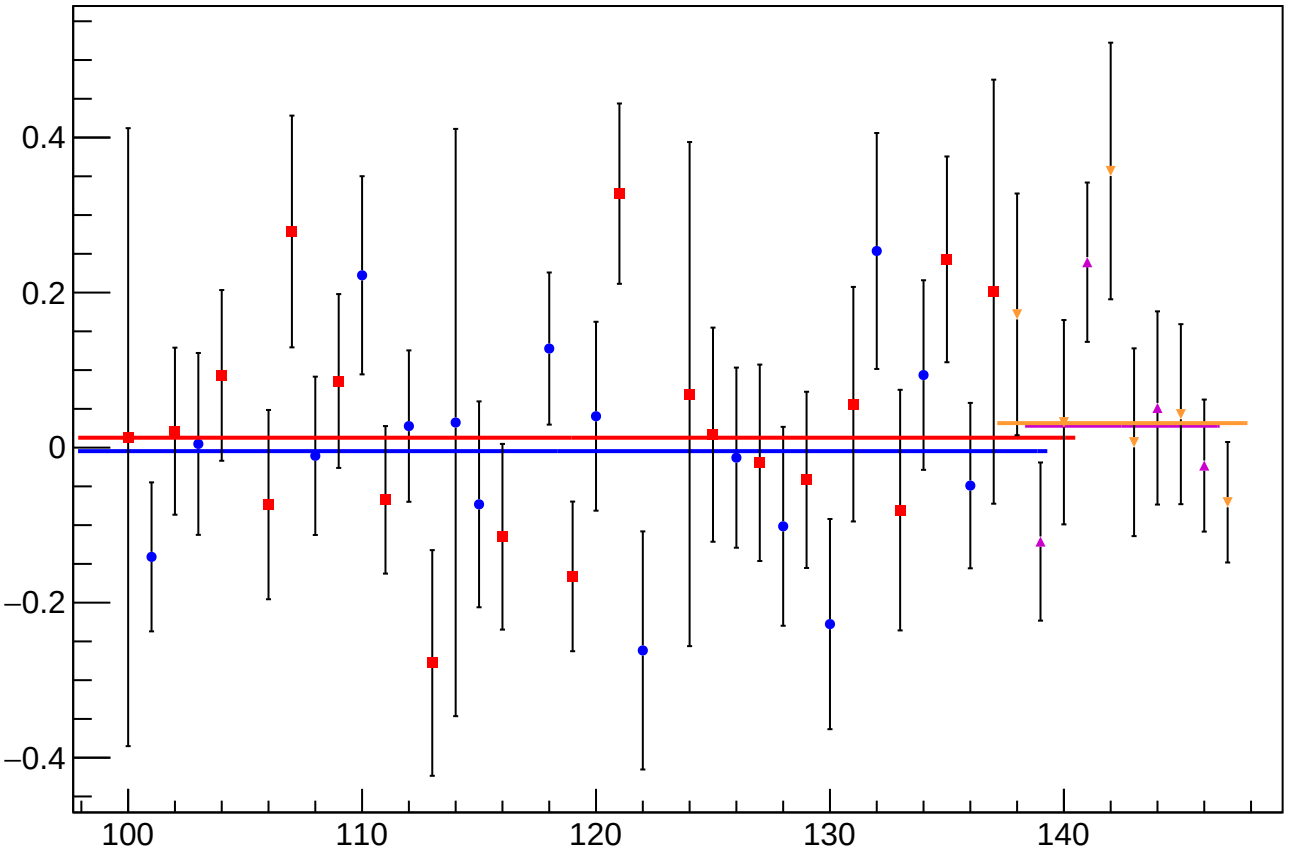
Left: 0.000+/-0.000 χ^2/NDF: 977471.0/9

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

In: 0.000+/-0.000 χ^2/NDF:3447230.2/19

Out: 0.000+/-0.000 χ^2/NDF:4922360.6/24

All: 0.000+/-0.000 χ^2/NDF: 8648266.5/44



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.050 χ^2/NDF:6.8/3

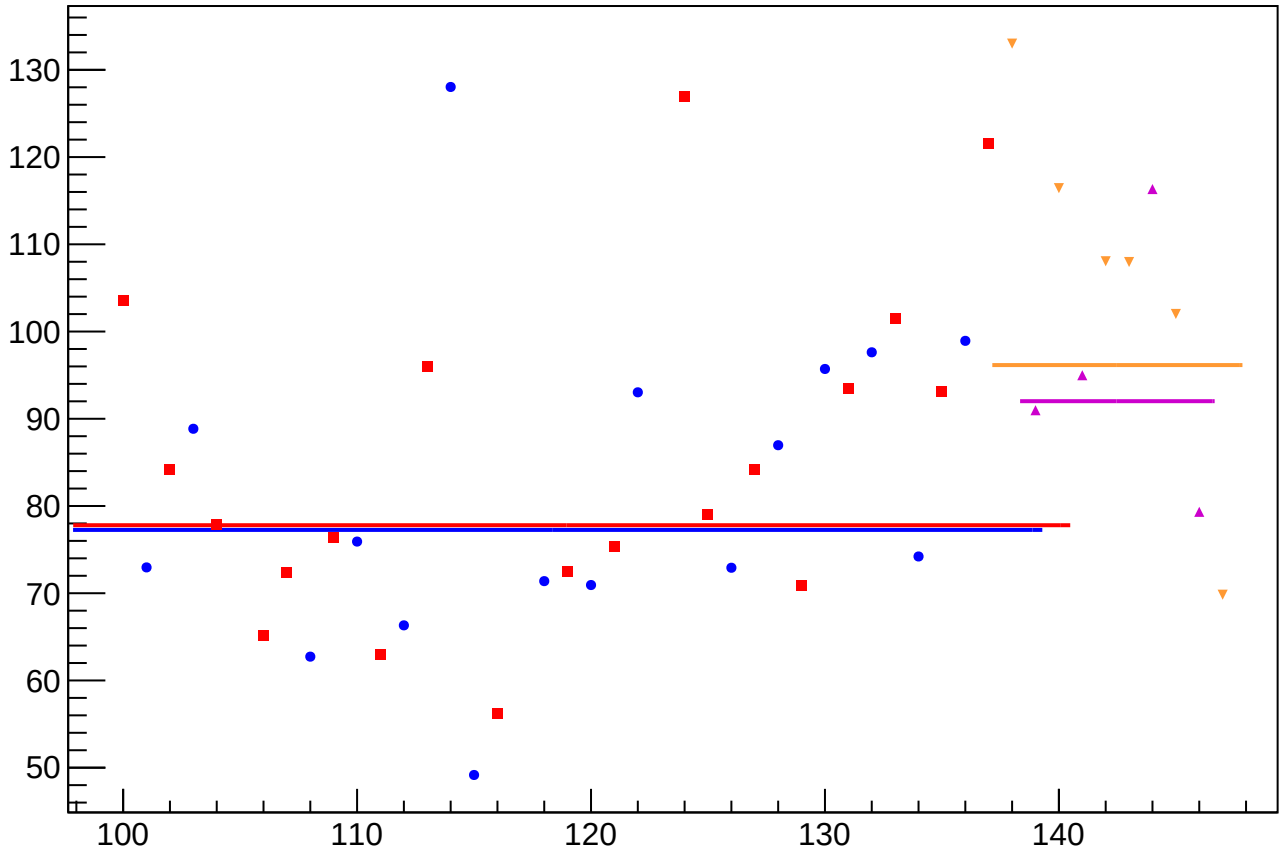
Left: 0.030+/-0.035 χ^2/NDF: 13.2/9

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.004+/-0.026 χ^2/NDF:24.4/19

Out: 0.018+/-0.025 χ^2/NDF:32.0/24

All: 0.011+/-0.018 χ^2/NDF: 56.6/44



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 96.155+/-0.034 χ^2/NDF:423014.3/5

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.016+/-0.036 χ^2/NDF:122377.8/3

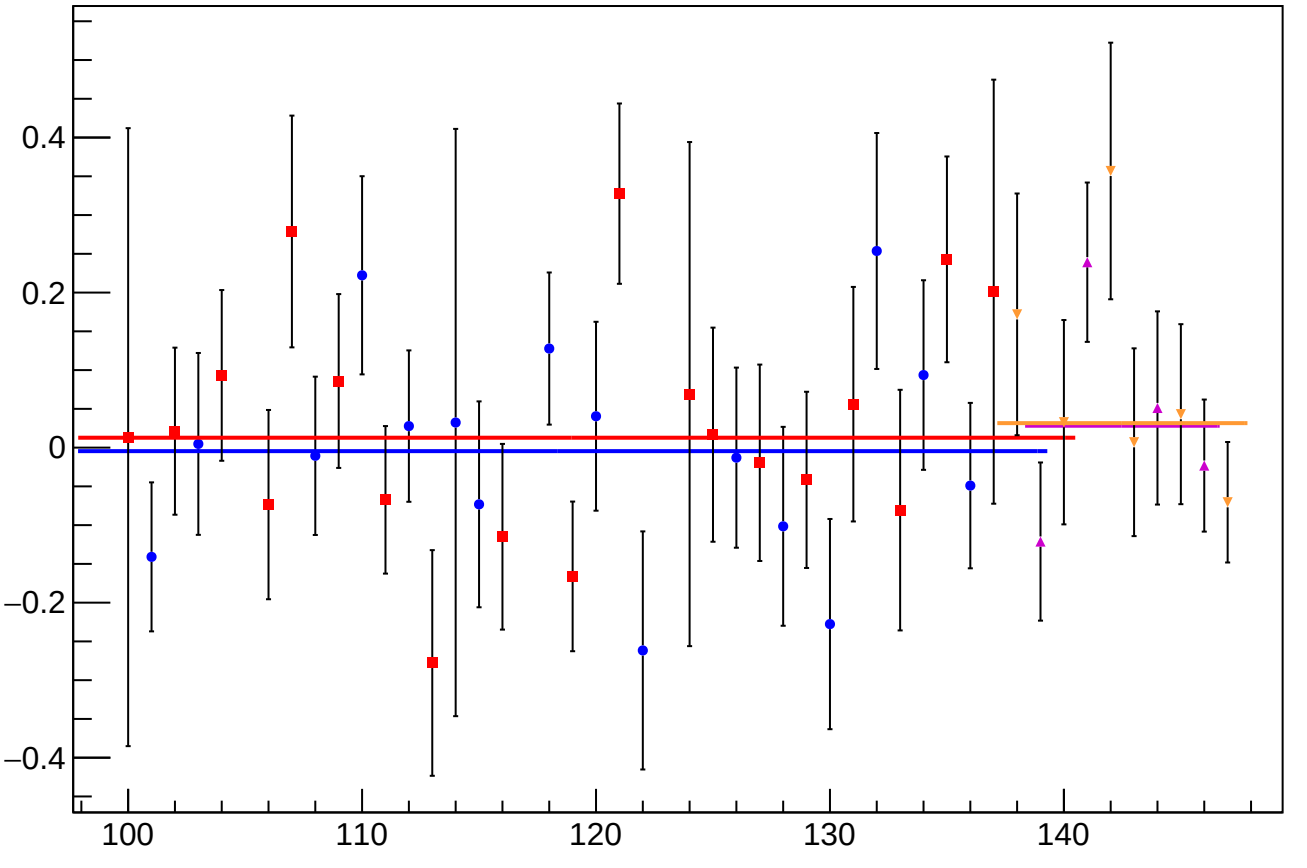
Left: 94.210+/-0.024 χ^2/NDF: 552528.4/9

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

In: 81.124+/-0.018 χ^2/NDF:668000.7/19

Out: 82.962+/-0.018 χ^2/NDF:1034163.4/24

All: 82.065+/-0.013 χ^2/NDF: 1707353.5/44



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.050 χ^2/NDF:6.8/3

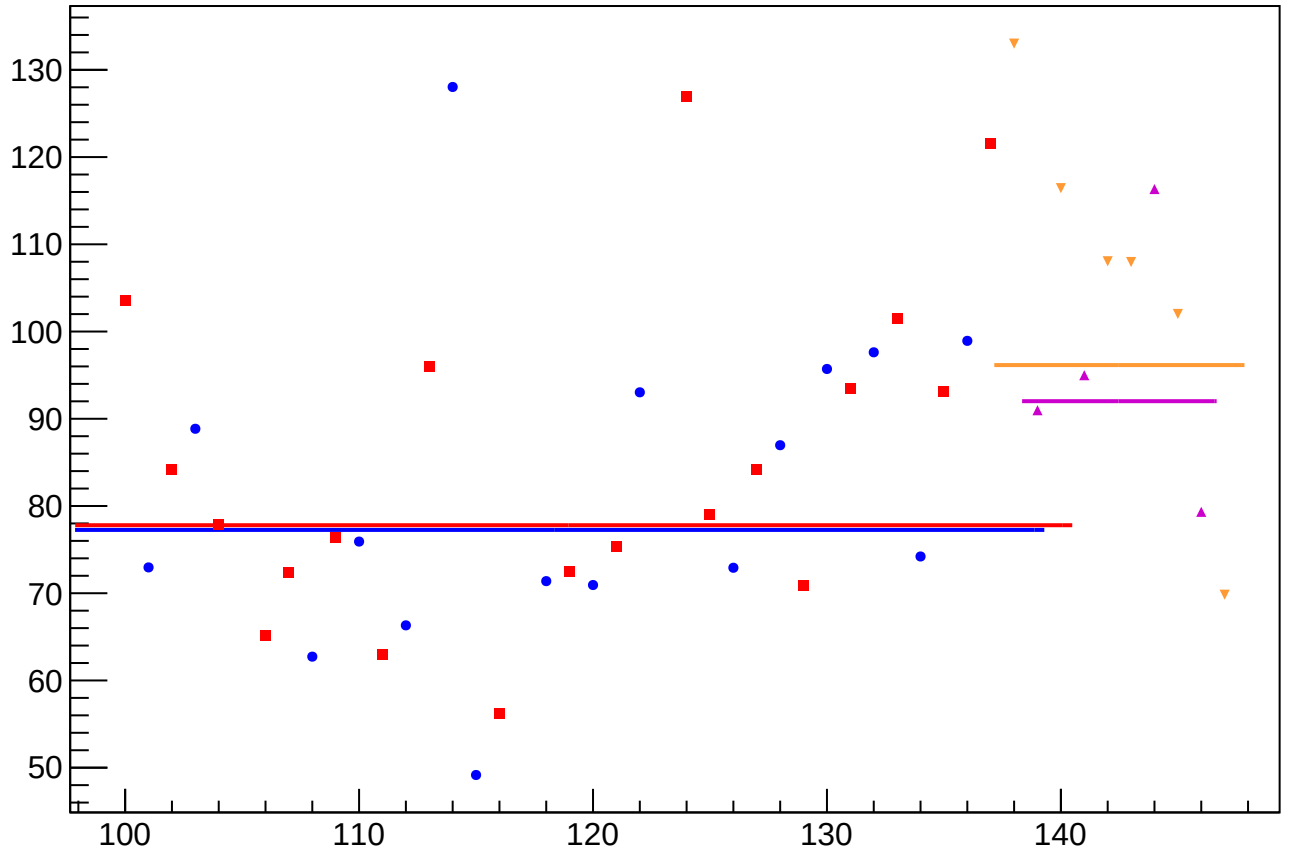
Left: 0.030+/-0.035 χ^2/NDF: 13.2/9

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.004+/-0.026 χ^2/NDF:24.4/19

Out: 0.018+/-0.025 χ^2/NDF:32.0/24

All: 0.011+/-0.018 χ^2/NDF: 56.6/44



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 96.155+/-0.034 χ^2/NDF:423014.3/5

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 92.016+/-0.036 χ^2/NDF:122377.8/3

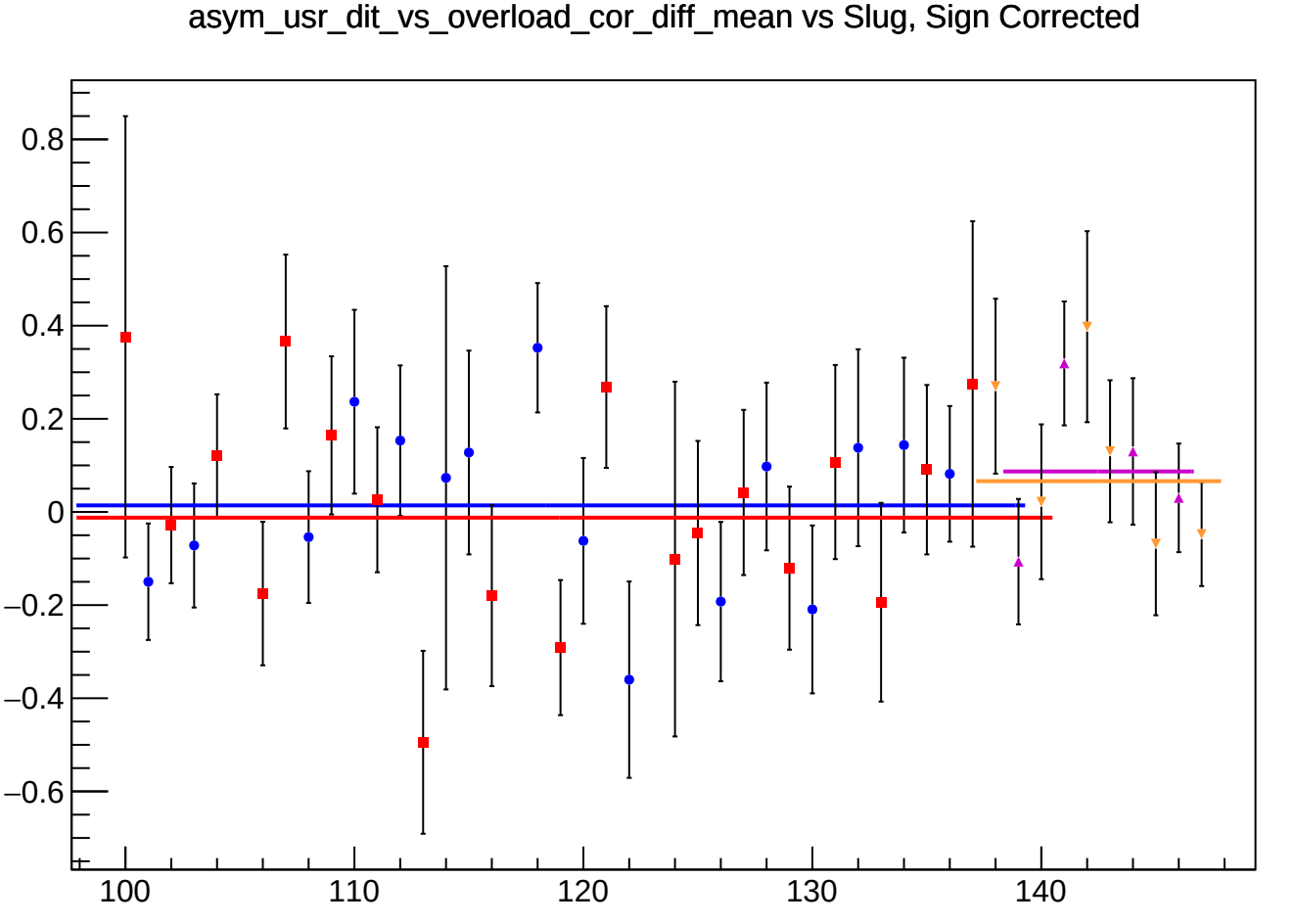
Left: 94.210+/-0.024 χ^2/NDF: 552528.4/9

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

In: 81.124+/-0.018 χ^2/NDF:668000.7/19

Out: 82.962+/-0.018 χ^2/NDF:1034163.4/24

All: 82.065+/-0.013 χ^2/NDF: 1707353.5/44



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

Left Out: 0.066+/-0.063 χ^2/NDF:5.8/5

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

Left In: 0.087+/-0.067 χ^2/NDF:5.4/3

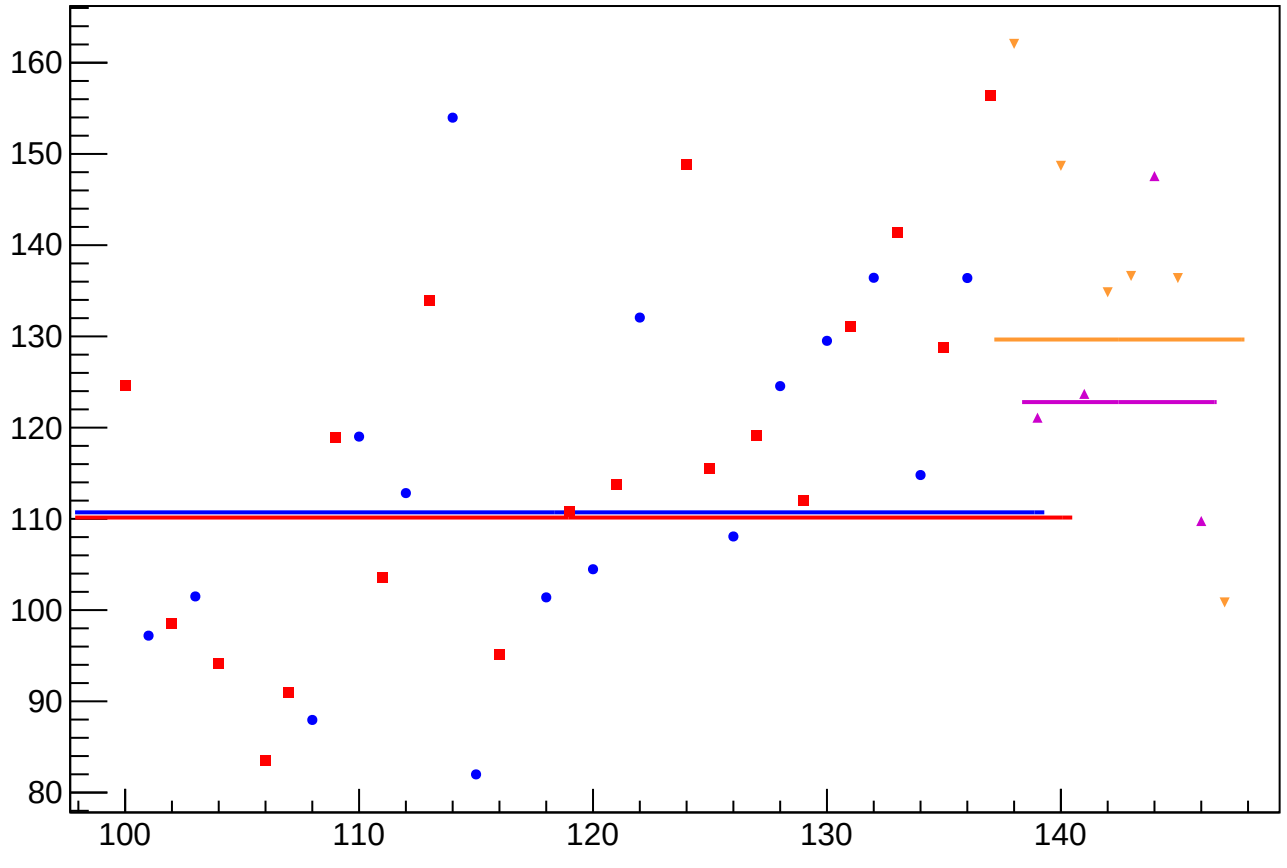
Left: 0.076+/-0.046 χ^2/NDF: 11.3/9

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.035+/-0.036 χ^2/NDF:24.5/19

Out: 0.011+/-0.035 χ^2/NDF:30.7/24

All: 0.023+/-0.025 χ^2/NDF: 55.4/44



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 129.659+/-0.044 χ^2/NDF:228655.8/5

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 122.800+/-0.047 χ^2/NDF:75063.5/3

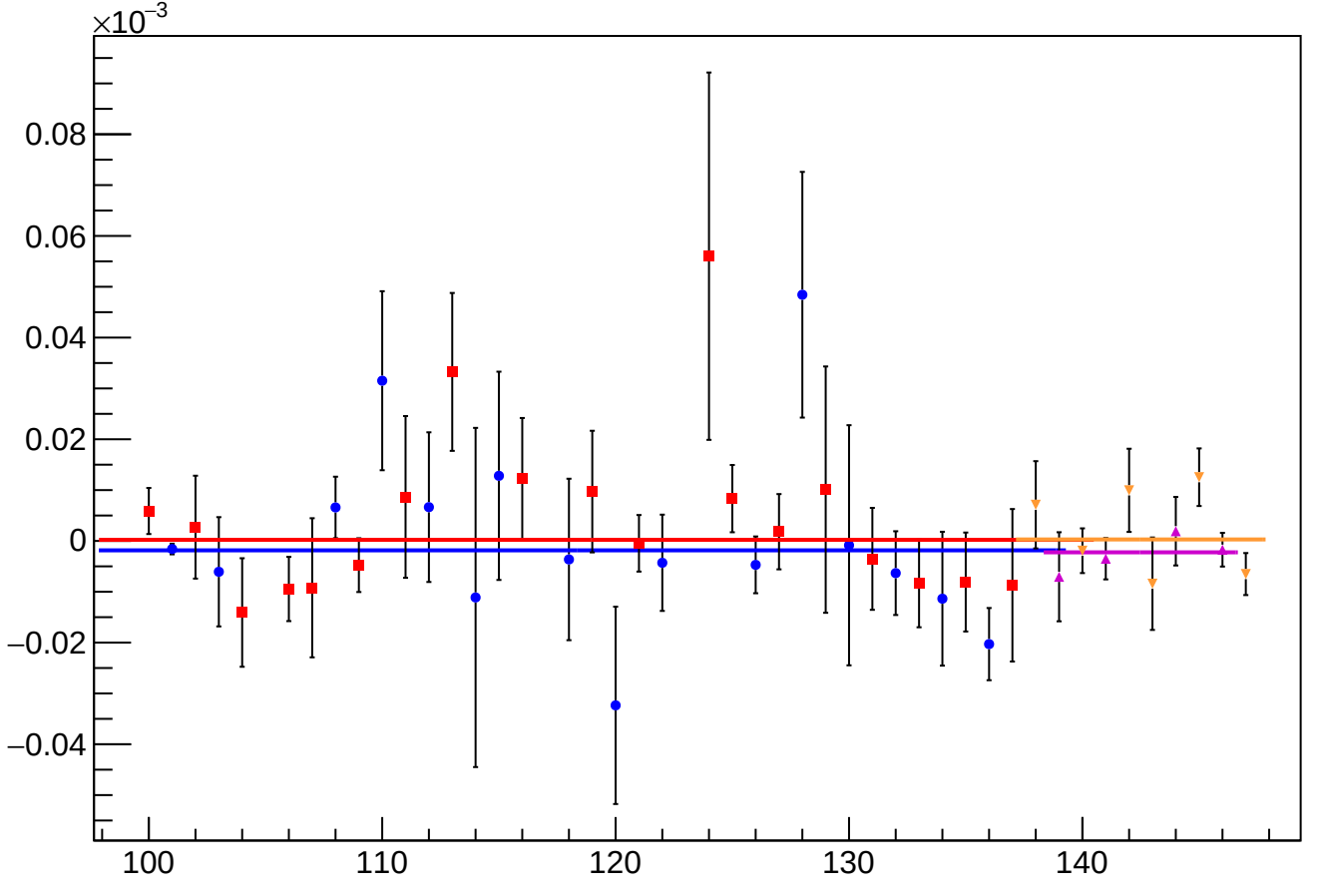
Left: 126.432+/-0.032 χ^2/NDF: 314963.7/9

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

In: 114.188+/-0.025 χ^2/NDF:422022.7/19

Out: 116.047+/-0.024 χ^2/NDF:690362.3/24

All: 115.149+/-0.018 χ^2/NDF: 1115192.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/3

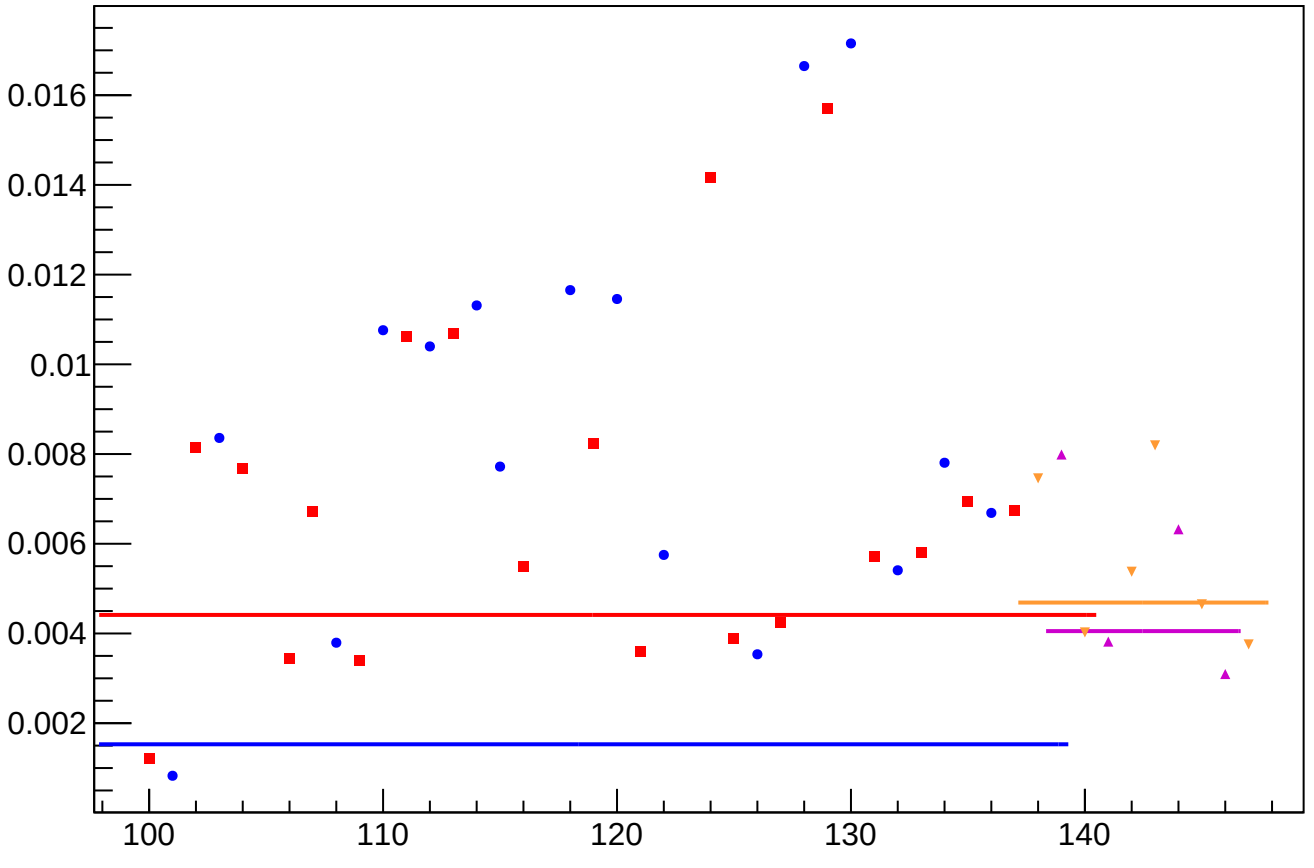
Left: -0.000+/-0.000 χ^2/NDF: 12.0/9

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

In: -0.000+/-0.000 χ^2/NDF:22.2/19

Out: 0.000+/-0.000 χ^2/NDF:30.5/24

All: -0.000+/-0.000 χ^2/NDF: 54.2/44



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

Left Out: 0.005+/-0.000 χ^2/NDF:667327.6/5

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

Left In: 0.004+/-0.000 χ^2/NDF:803985.2/3

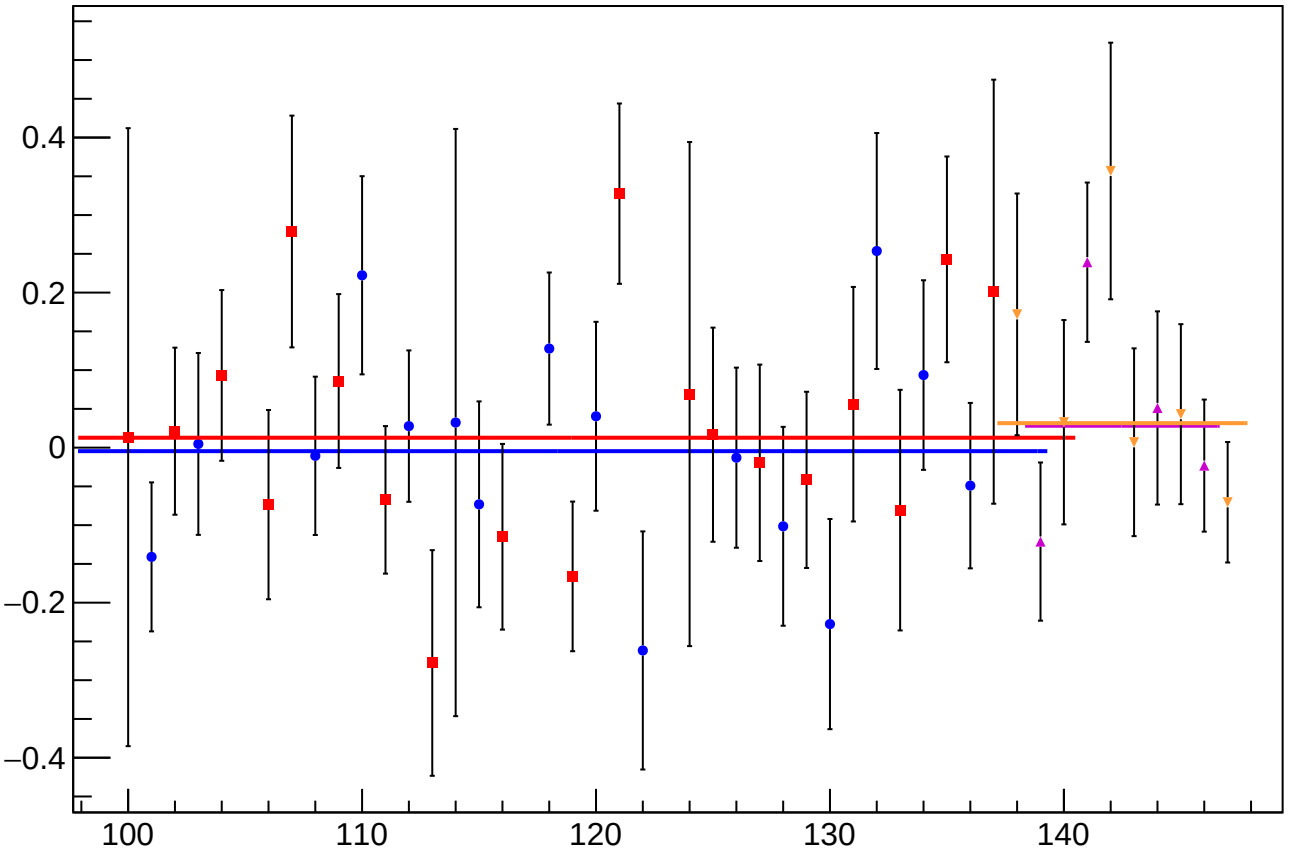
Left: 0.004+/-0.000 χ^2/NDF: 1545903.7/9

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

In: 0.002+/-0.000 χ^2/NDF:12045382.9/19

Out: 0.005+/-0.000 χ^2/NDF:4071911.2/24

All: 0.003+/-0.000 χ^2/NDF: 20652960.5/44



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.050 χ^2/NDF:6.8/3

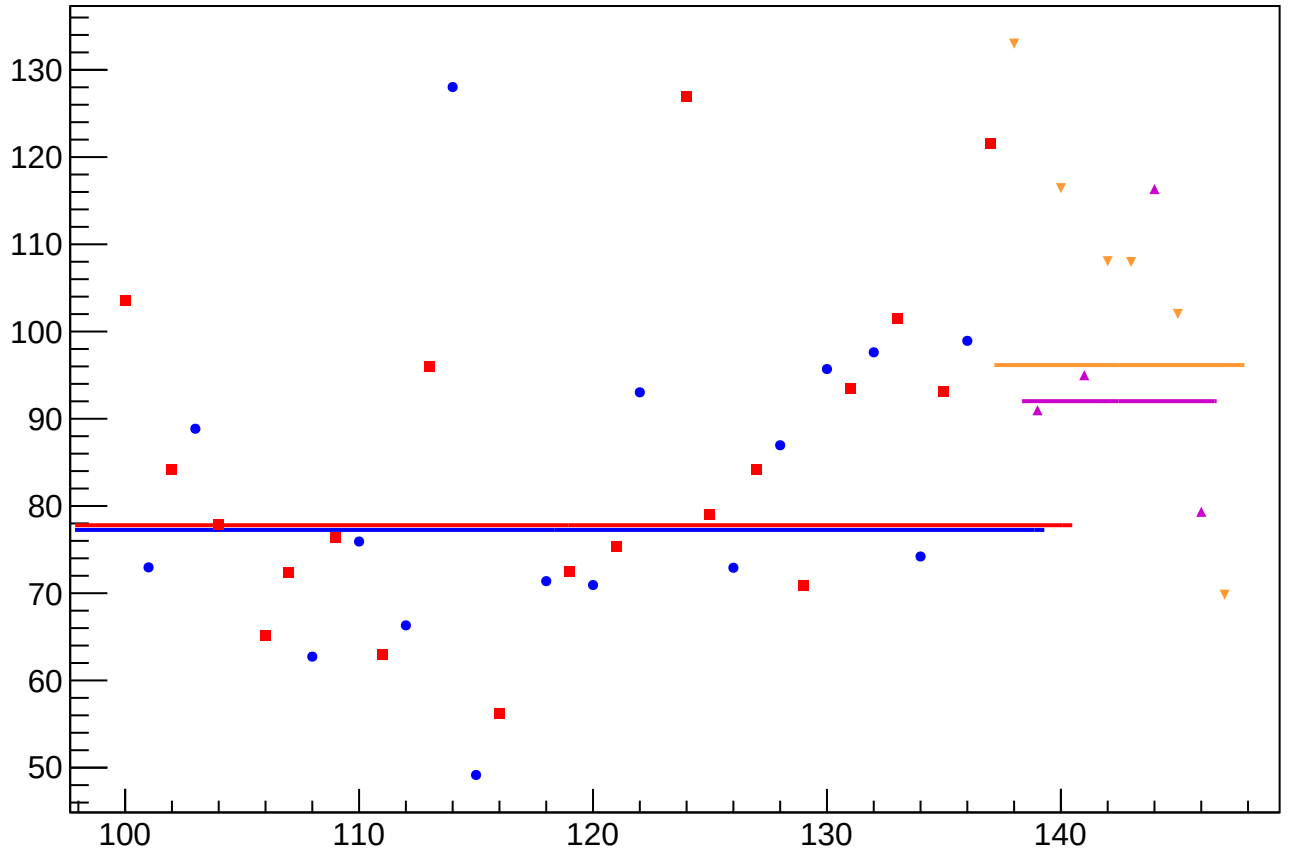
Left: 0.030+/-0.035 χ^2/NDF: 13.2/9

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.004+/-0.026 χ^2/NDF:24.4/19

Out: 0.018+/-0.025 χ^2/NDF:32.0/24

All: 0.011+/-0.018 χ^2/NDF: 56.6/44



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 96.155+/-0.034 χ^2/NDF:423028.6/5

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.017+/-0.036 χ^2/NDF:122378.2/3

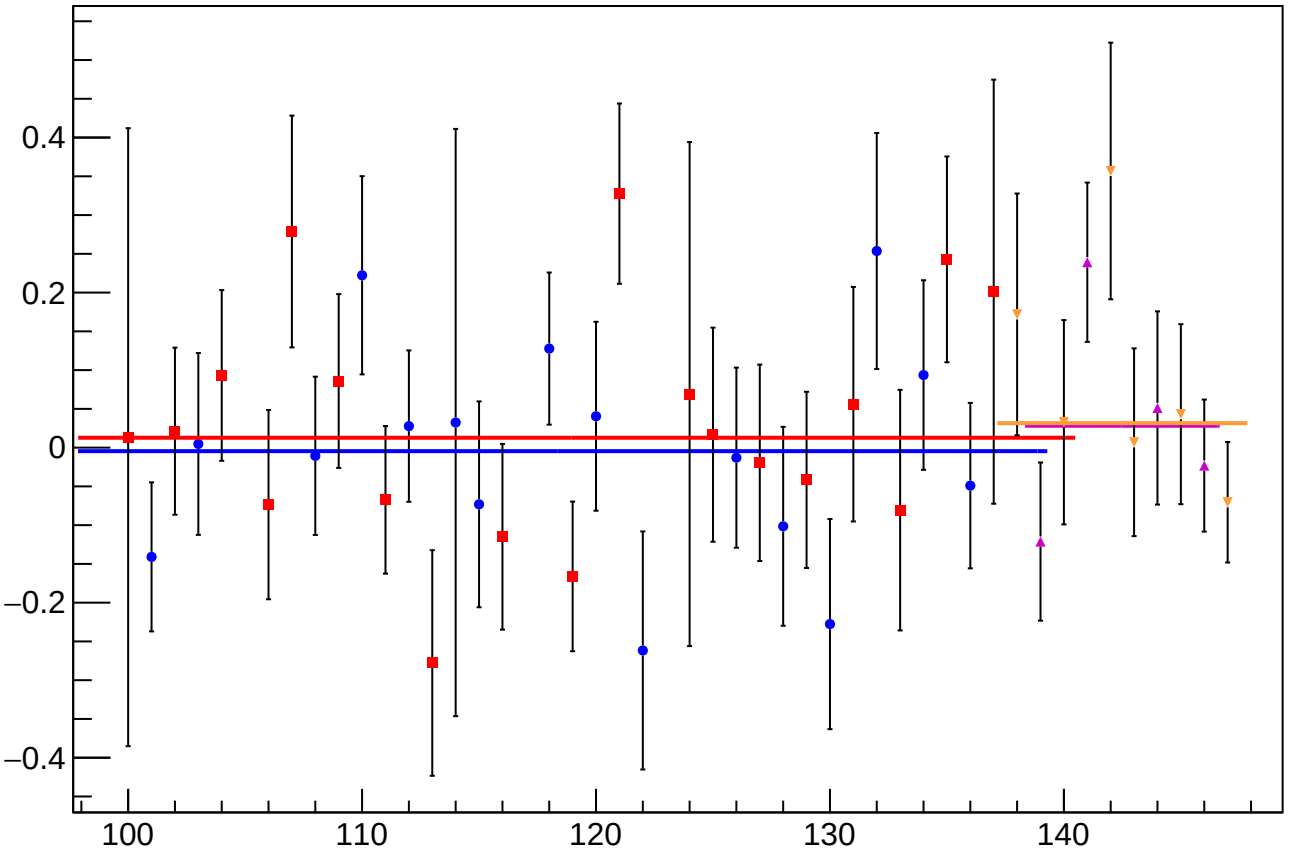
Left: 94.210+/-0.024 χ^2/NDF: 552541.8/9

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

In: 81.123+/-0.018 χ^2/NDF:668020.9/19

Out: 82.960+/-0.018 χ^2/NDF:1034213.1/24

All: 82.064+/-0.013 χ^2/NDF: 1707423.1/44



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.032+/-0.048 χ^2/NDF:6.4/5

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.028+/-0.050 χ^2/NDF:6.8/3

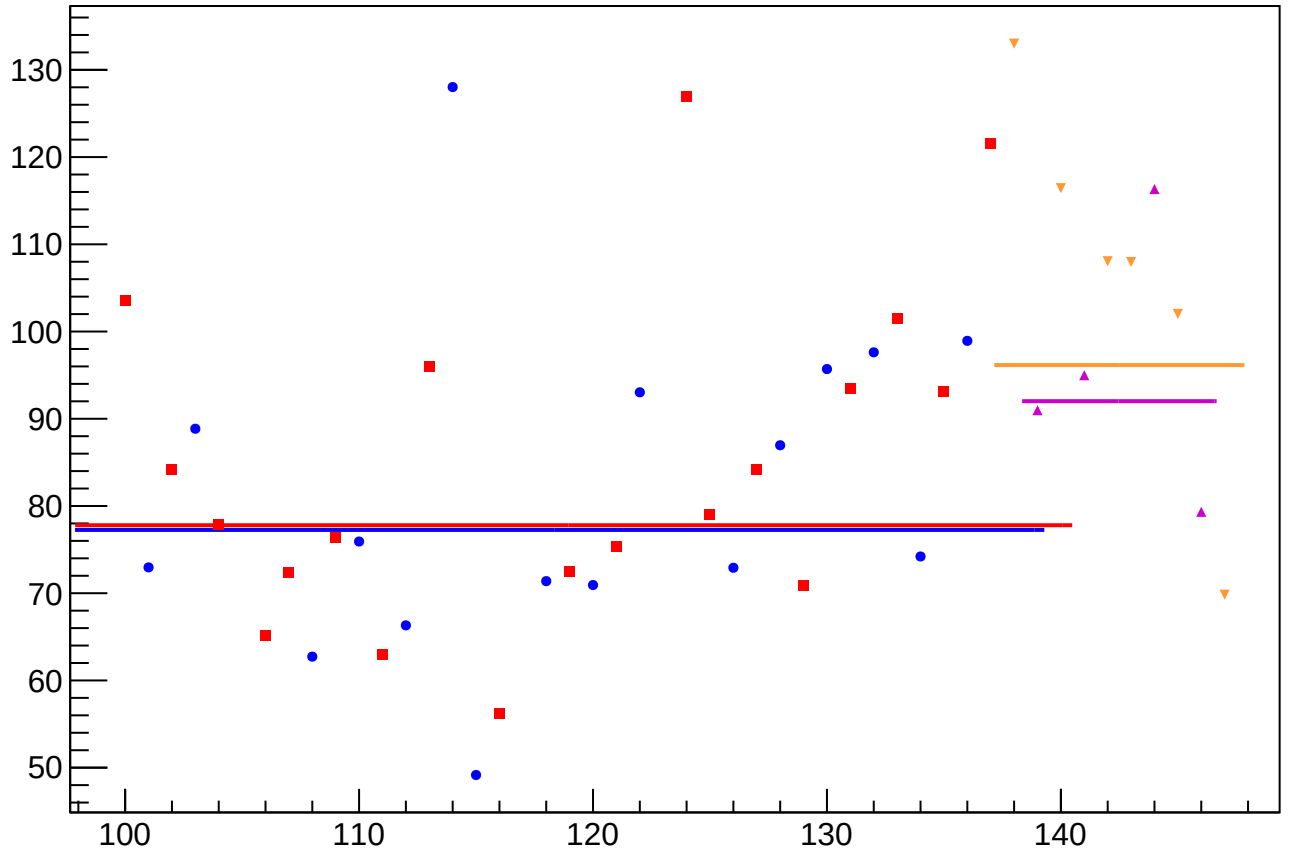
Left: 0.030+/-0.035 χ^2/NDF: 13.2/9

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.004+/-0.026 χ^2/NDF:24.4/19

Out: 0.018+/-0.025 χ^2/NDF:32.0/24

All: 0.011+/-0.018 χ^2/NDF: 56.6/44



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 96.155+/-0.034 χ^2/NDF:423028.6/5

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 92.017+/-0.036 χ^2/NDF:122378.2/3

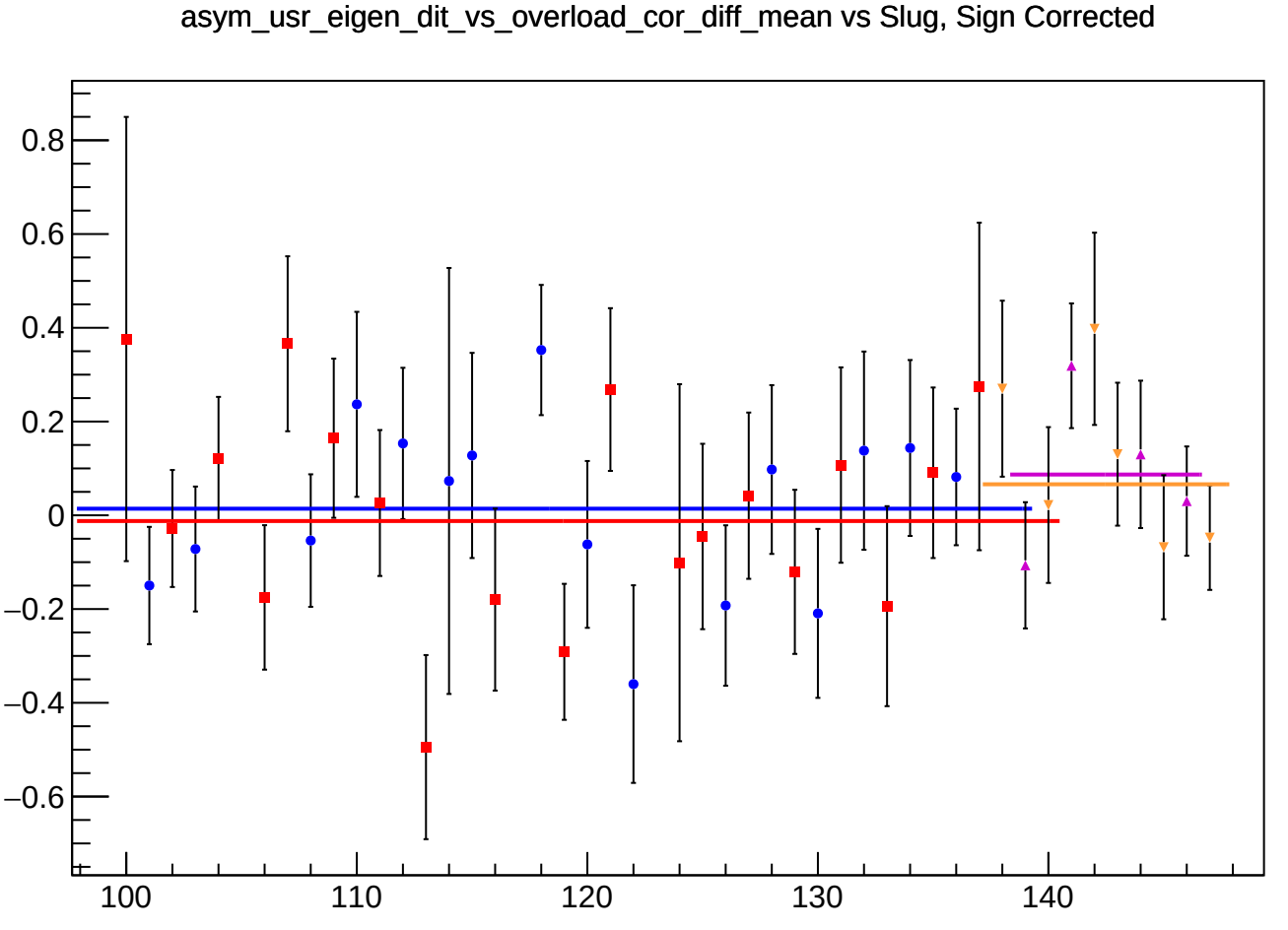
Left: 94.210+/-0.024 χ^2/NDF: 552541.8/9

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

In: 81.123+/-0.018 χ^2/NDF:668020.9/19

Out: 82.960+/-0.018 χ^2/NDF:1034213.1/24

All: 82.064+/-0.013 χ^2/NDF: 1707423.1/44



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

Left Out: 0.066+/-0.063 χ^2/NDF:5.8/5

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

Left In: 0.087+/-0.067 χ^2/NDF:5.4/3

Left: 0.076+/-0.046 χ^2/NDF: 11.3/9

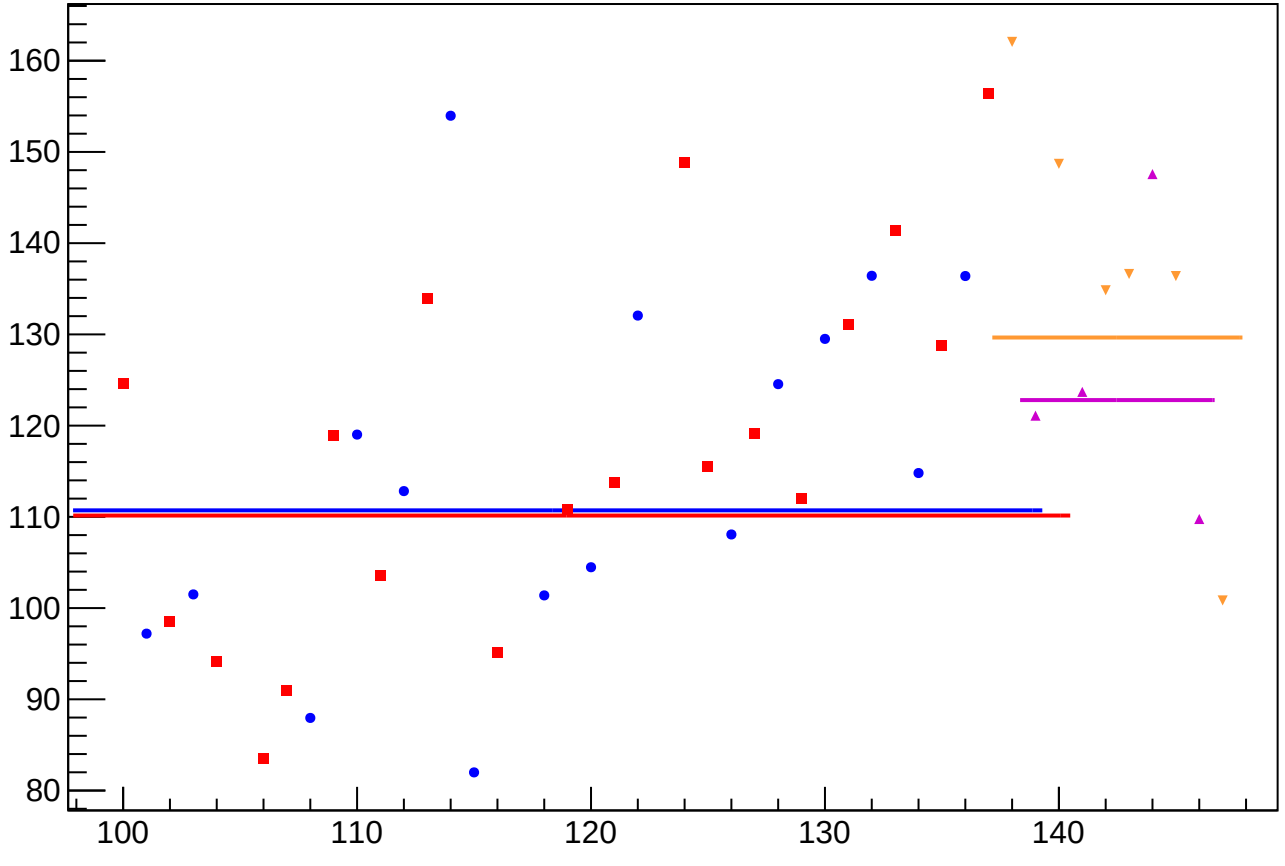
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.035+/-0.036 χ^2/NDF:24.5/19

Out: 0.011+/-0.035 χ^2/NDF:30.7/24

All: 0.023+/-0.025 χ^2/NDF: 55.4/44

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: 129.659+/-0.044 χ^2/NDF:228659.4/5

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

Left In: 122.801+/-0.047 χ^2/NDF:75063.7/3

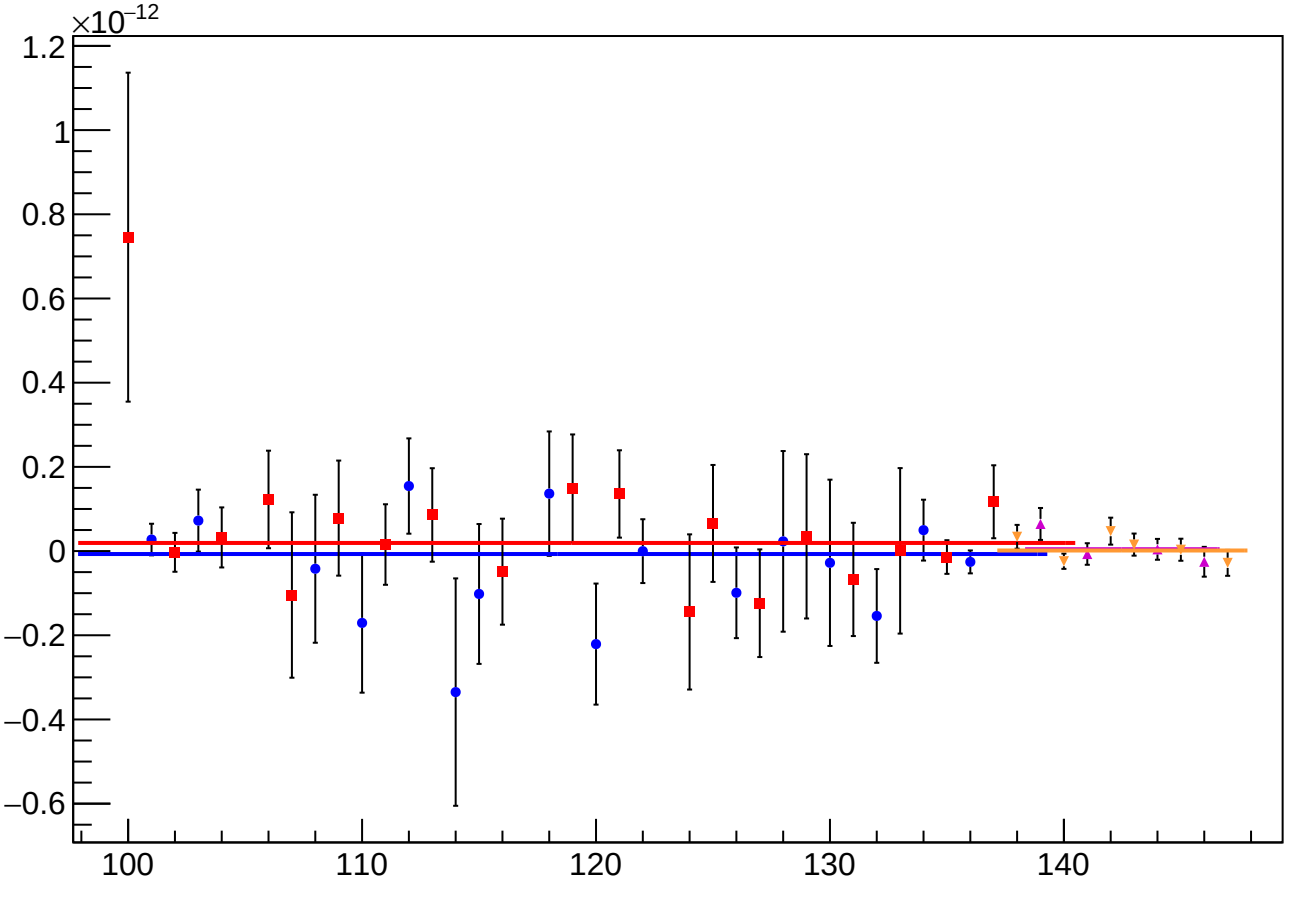
Left: 126.433+/-0.032 χ^2/NDF: 314966.5/9

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

In: 114.187+/-0.025 χ^2/NDF:422008.1/19

Out: 116.047+/-0.024 χ^2/NDF:690348.2/24

All: 115.148+/-0.018 χ^2/NDF: 1115164.2/44



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/3

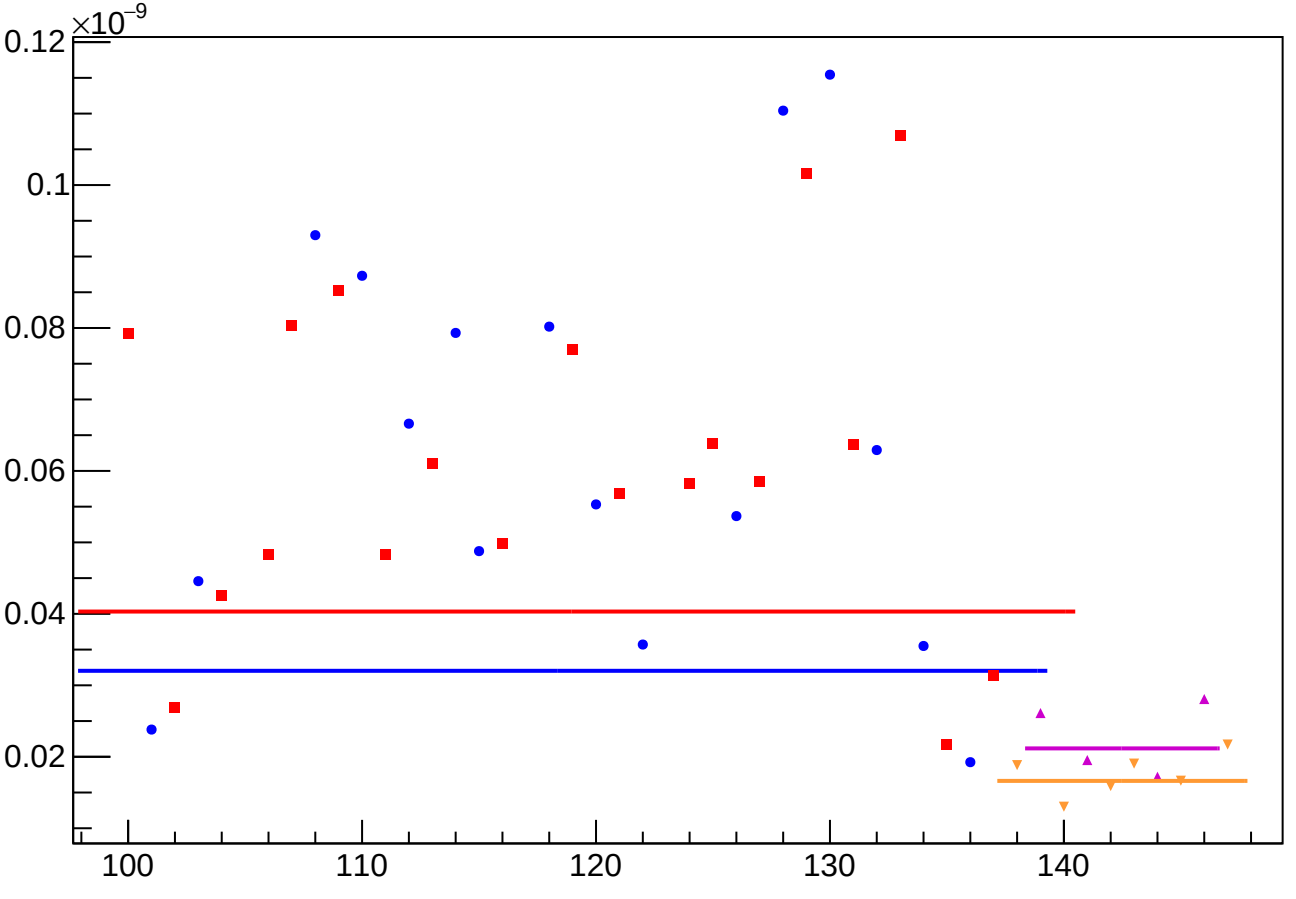
Left: 0.000+/-0.000 χ^2/NDF: 10.0/9

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:17.3/19

Out: 0.000+/-0.000 χ^2/NDF:19.7/24

All: 0.000+/-0.000 χ^2/NDF: 37.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:164317.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:169471.2/3

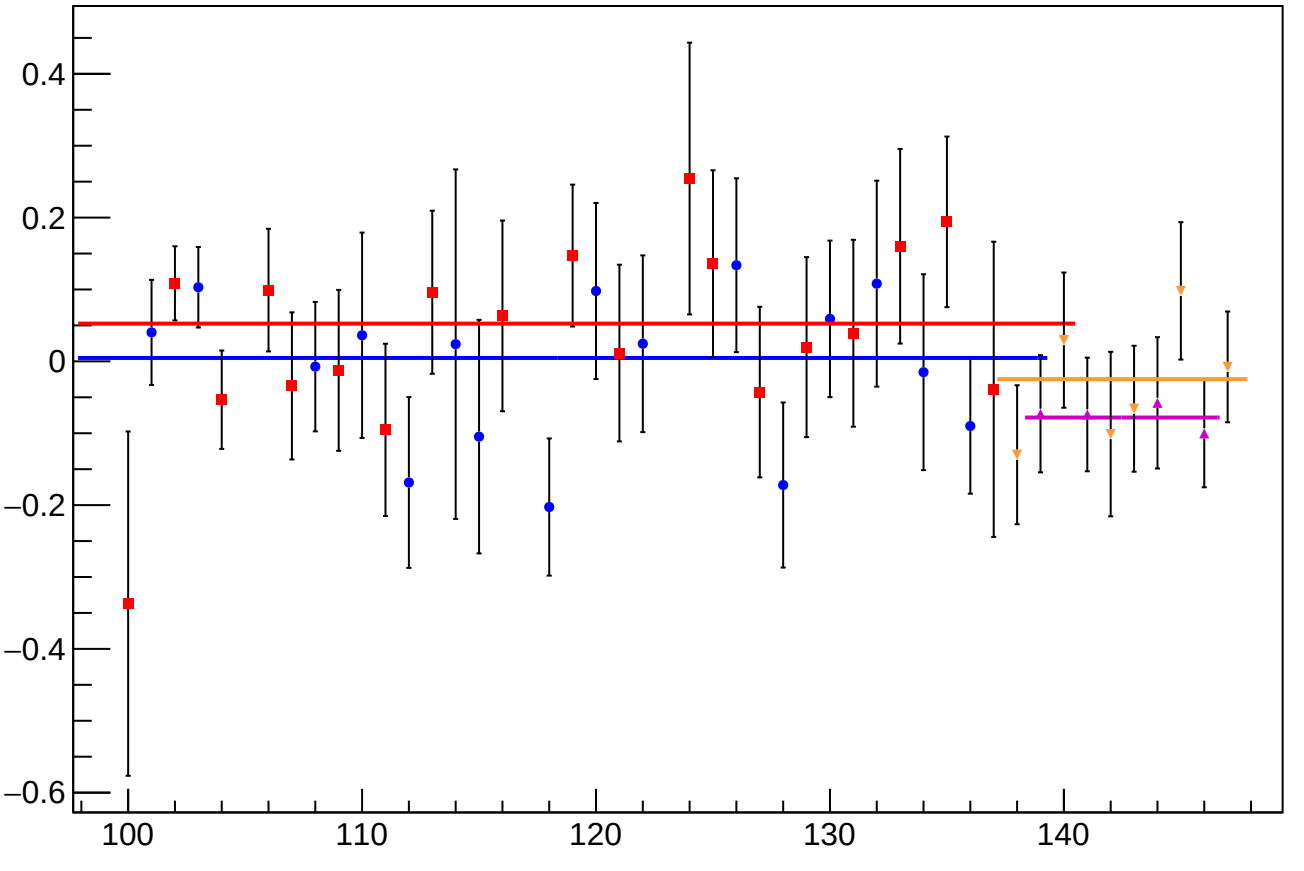
Left: 0.000+/-0.000 χ^2/NDF: 461518.0/9

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

In: 0.000+/-0.000 χ^2/NDF:3068435.5/19

Out: 0.000+/-0.000 χ^2/NDF:4056645.1/24

All: 0.000+/-0.000 χ^2/NDF: 7294382.9/44



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.025+/-0.038 χ^2/NDF:3.9/5

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.078+/-0.041 χ^2/NDF:0.1/3

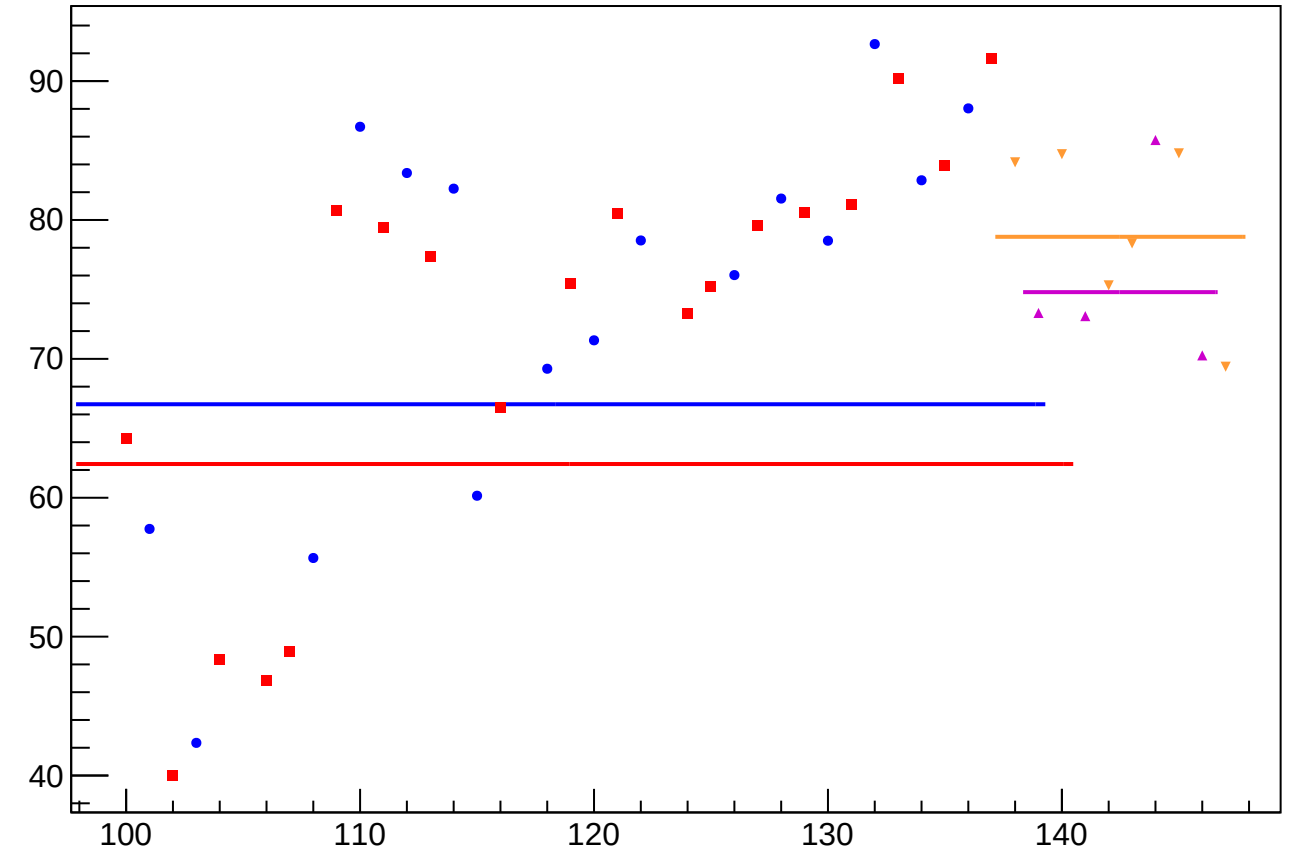
Left: -0.050+/-0.028 χ^2/NDF: 5.0/9

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.019+/-0.022 χ^2/NDF:19.7/19

Out: 0.030+/-0.020 χ^2/NDF:21.7/24

All: 0.007+/-0.015 χ^2/NDF: 44.2/44



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 78.788+/-0.027 χ^2/NDF:53441.8/5

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.805+/-0.029 χ^2/NDF:37782.5/3

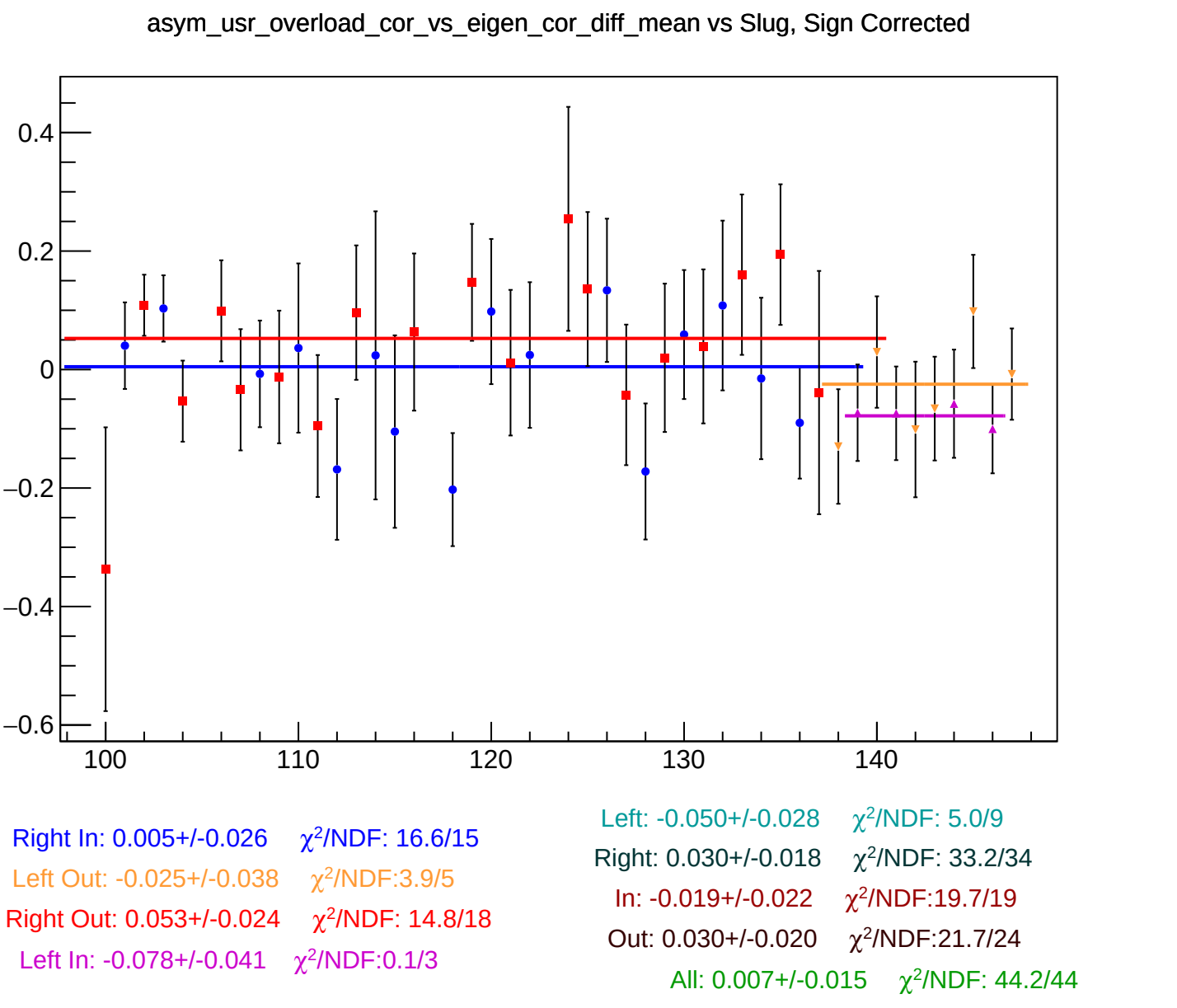
Left: 76.942+/-0.020 χ^2/NDF: 101589.8/9

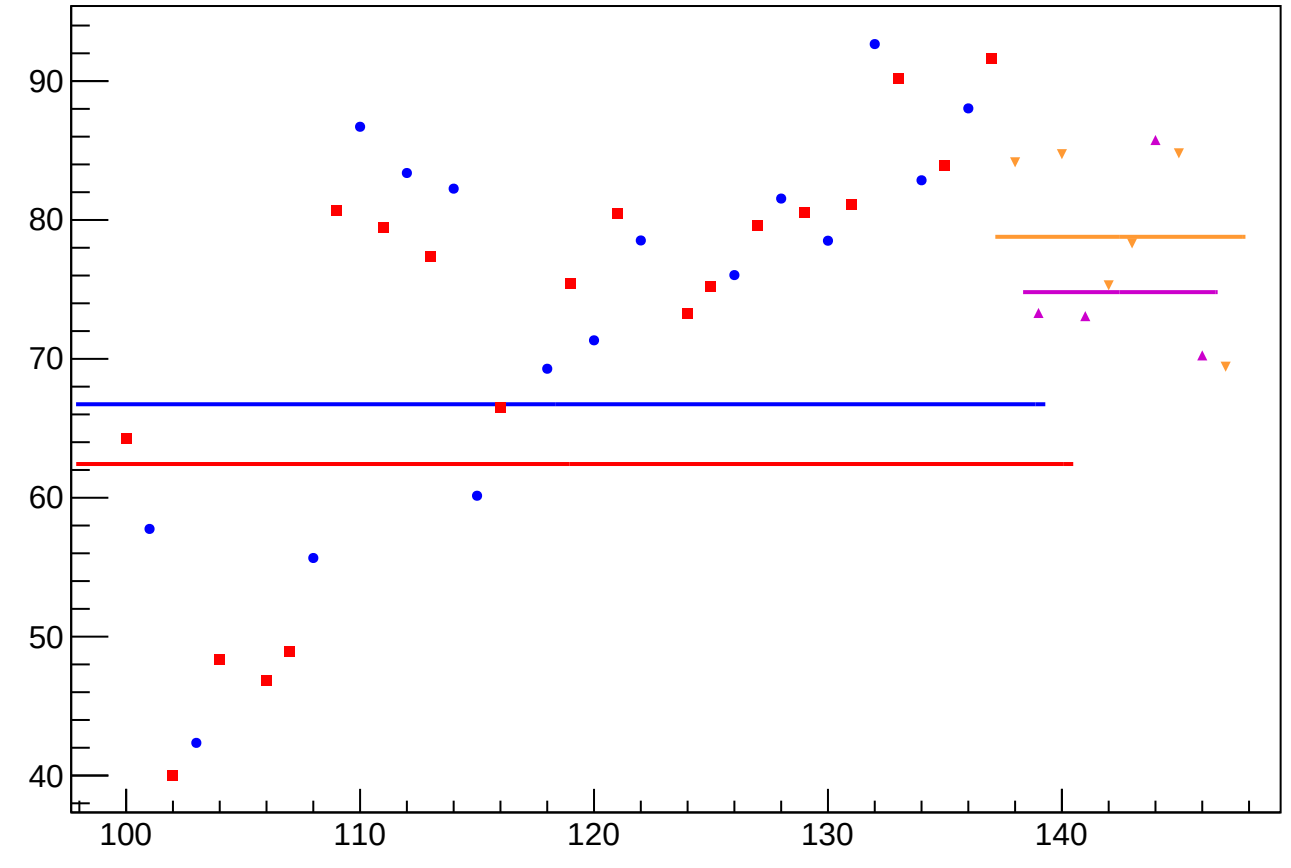
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.073+/-0.015 χ^2/NDF:910872.0/19

Out: 67.176+/-0.014 χ^2/NDF:1435212.8/24

All: 68.056+/-0.011 χ^2/NDF: 2354184.3/44


asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: -0.025+/-0.038 χ²/NDF:3.9/5
Right Out: 0.053+/-0.024 χ²/NDF: 14.8/18
Left In: -0.078+/-0.041 χ²/NDF:0.1/3
Left: -0.050+/-0.028 χ²/NDF: 5.0/9
Right: 0.030+/-0.018 χ²/NDF: 33.2/34
In: -0.019+/-0.022 χ²/NDF:19.7/19
Out: 0.030+/-0.020 χ²/NDF:21.7/24
All: 0.007+/-0.015 χ²/NDF: 44.2/44



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 78.788+/-0.027 χ^2/NDF:53441.8/5

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 74.805+/-0.029 χ^2/NDF:37782.5/3

Left: 76.942+/-0.020 χ^2/NDF: 101589.8/9

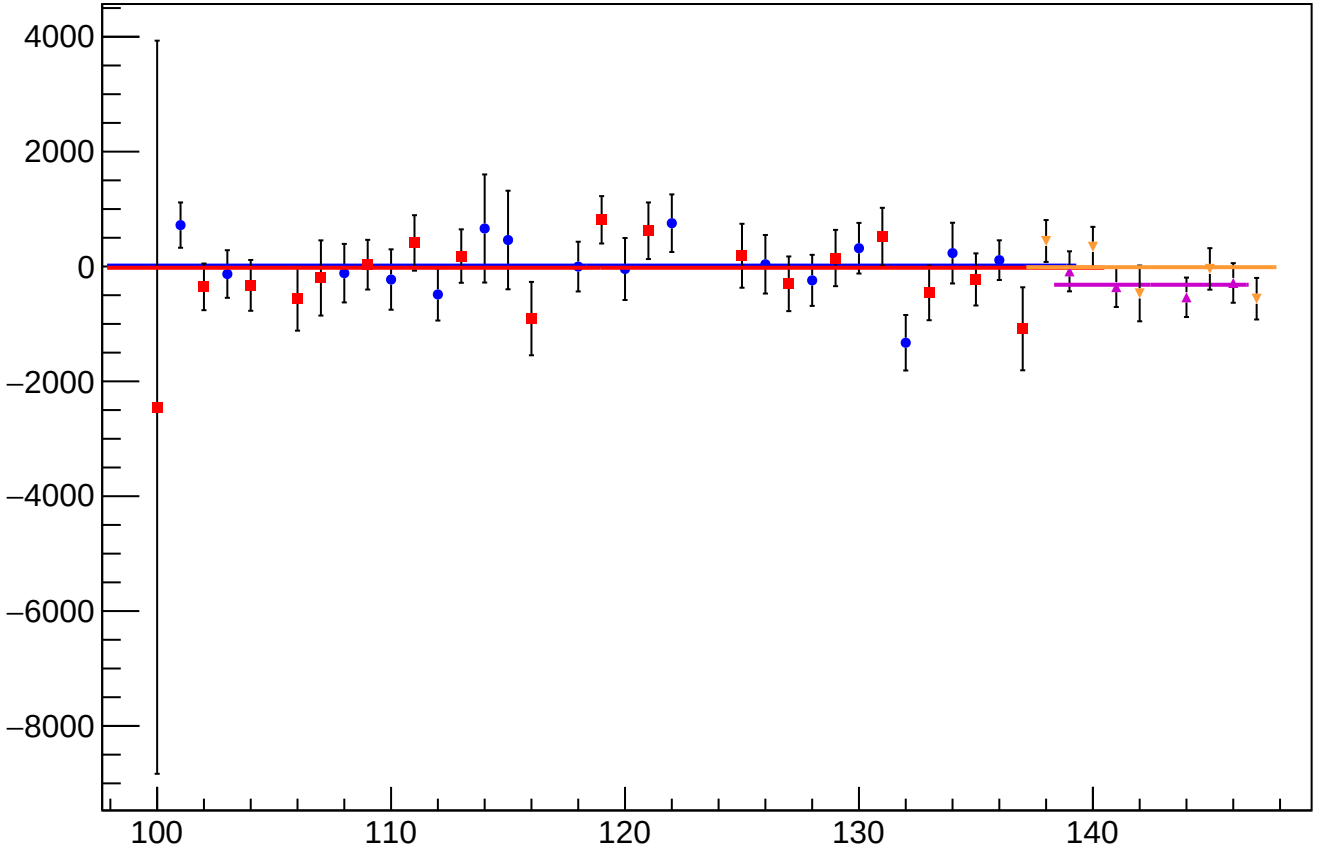
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.073+/-0.015 χ^2/NDF:910872.0/19

Out: 67.176+/-0.014 χ^2/NDF:1435212.8/24

All: 68.056+/-0.011 χ^2/NDF: 2354184.3/44

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -12.192+/-168.292 χ^2/NDF:5.8/4

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -318.022+/-172.914 χ^2/NDF:0.9/3

Left: -160.965+/-120.601 χ^2/NDF: 8.3/8

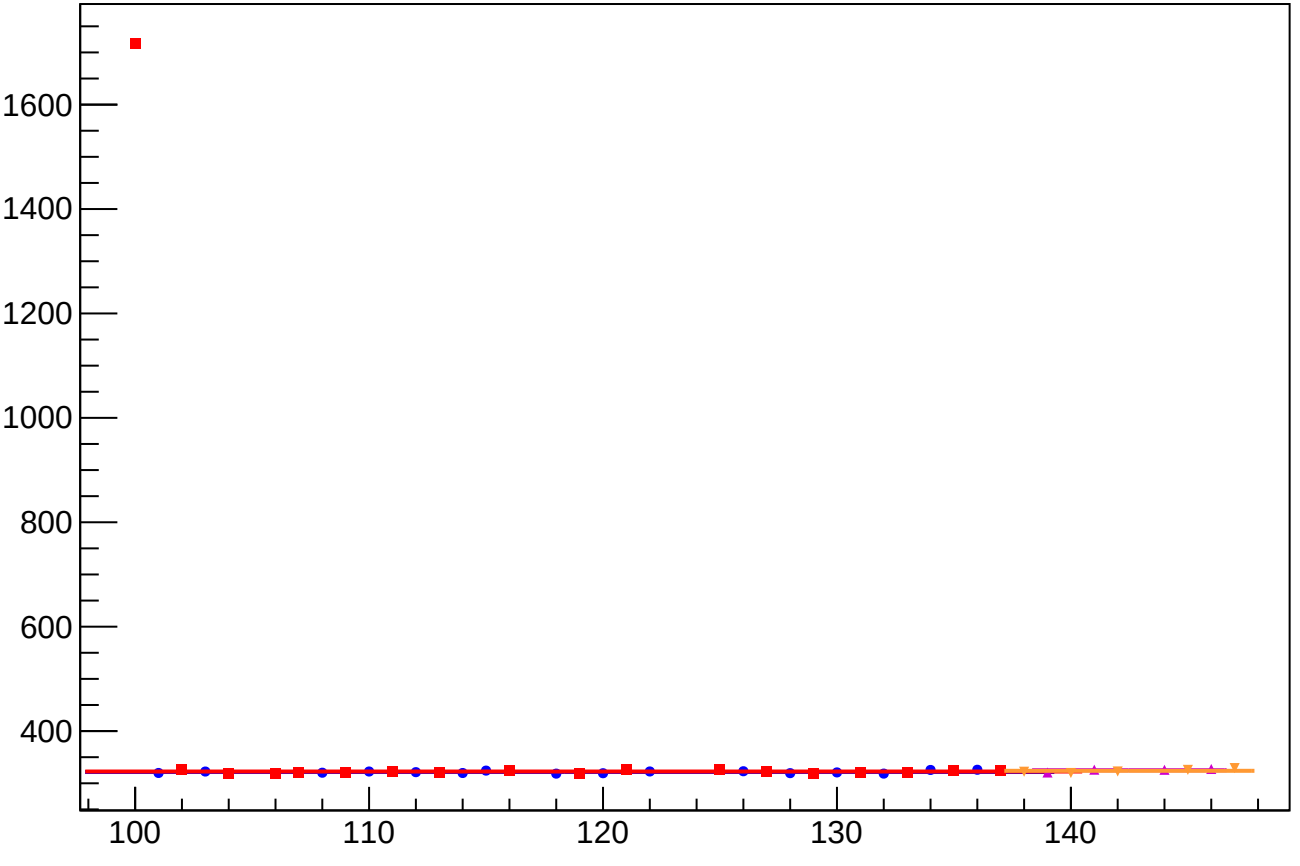
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -92.209+/-98.269 χ^2/NDF:19.9/19

Out: -18.819+/-97.278 χ^2/NDF:21.8/22

All: -55.142+/-69.134 χ^2/NDF: 42.0/42

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.912+/-0.119 χ^2/NDF:814.9/4

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 325.062+/-0.122 χ^2/NDF:439.4/3

Left: 324.472+/-0.085 χ^2/NDF: 1299.7/8

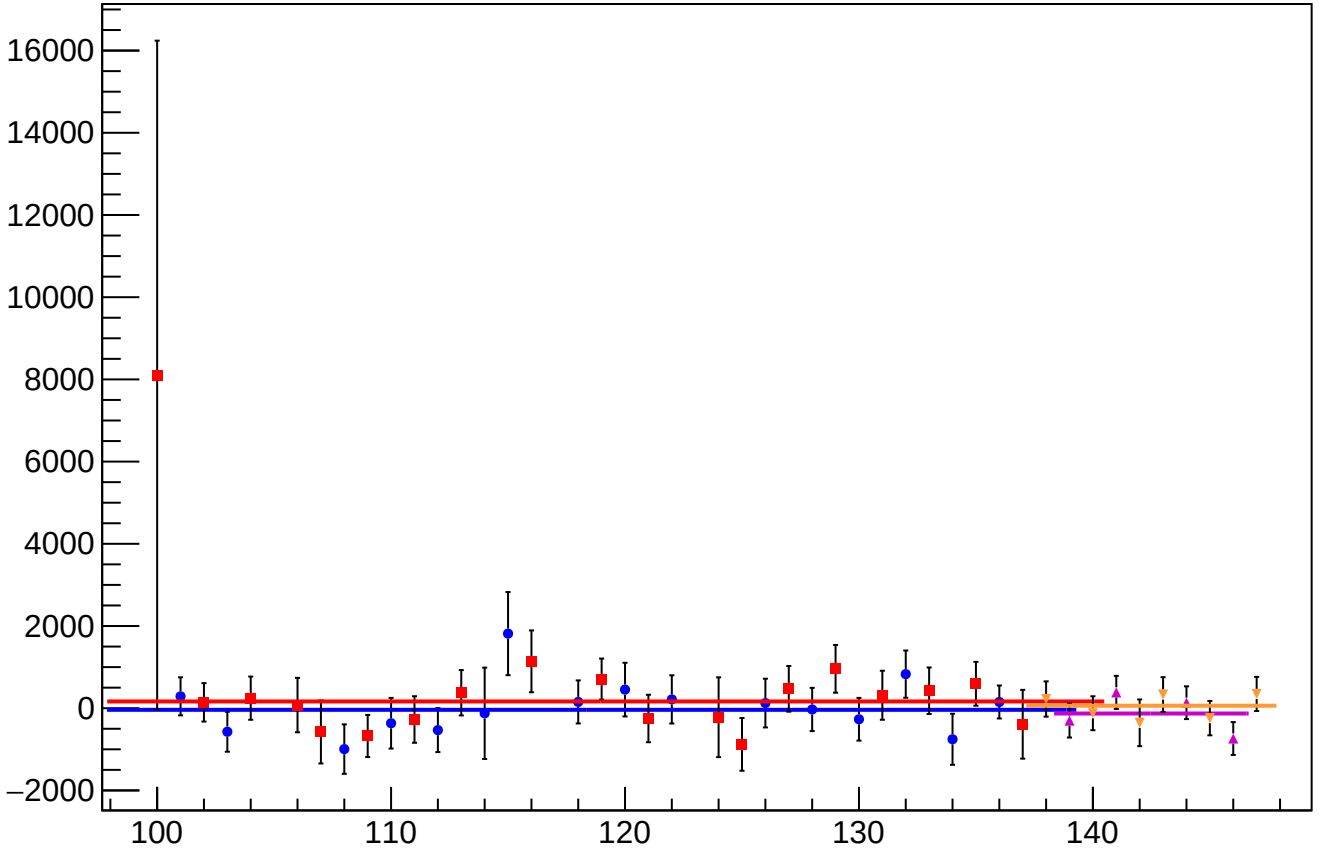
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.721+/-0.069 χ^2/NDF:1803.9/19

Out: 323.007+/-0.069 χ^2/NDF:97793.7/22

All: 322.865+/-0.049 χ^2/NDF: 99606.2/42

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 60.597+/-178.057 χ^2/NDF:2.3/5

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -128.780+/-201.565 χ^2/NDF:4.6/3

Left: -22.409+/-133.446 χ^2/NDF: 7.3/9

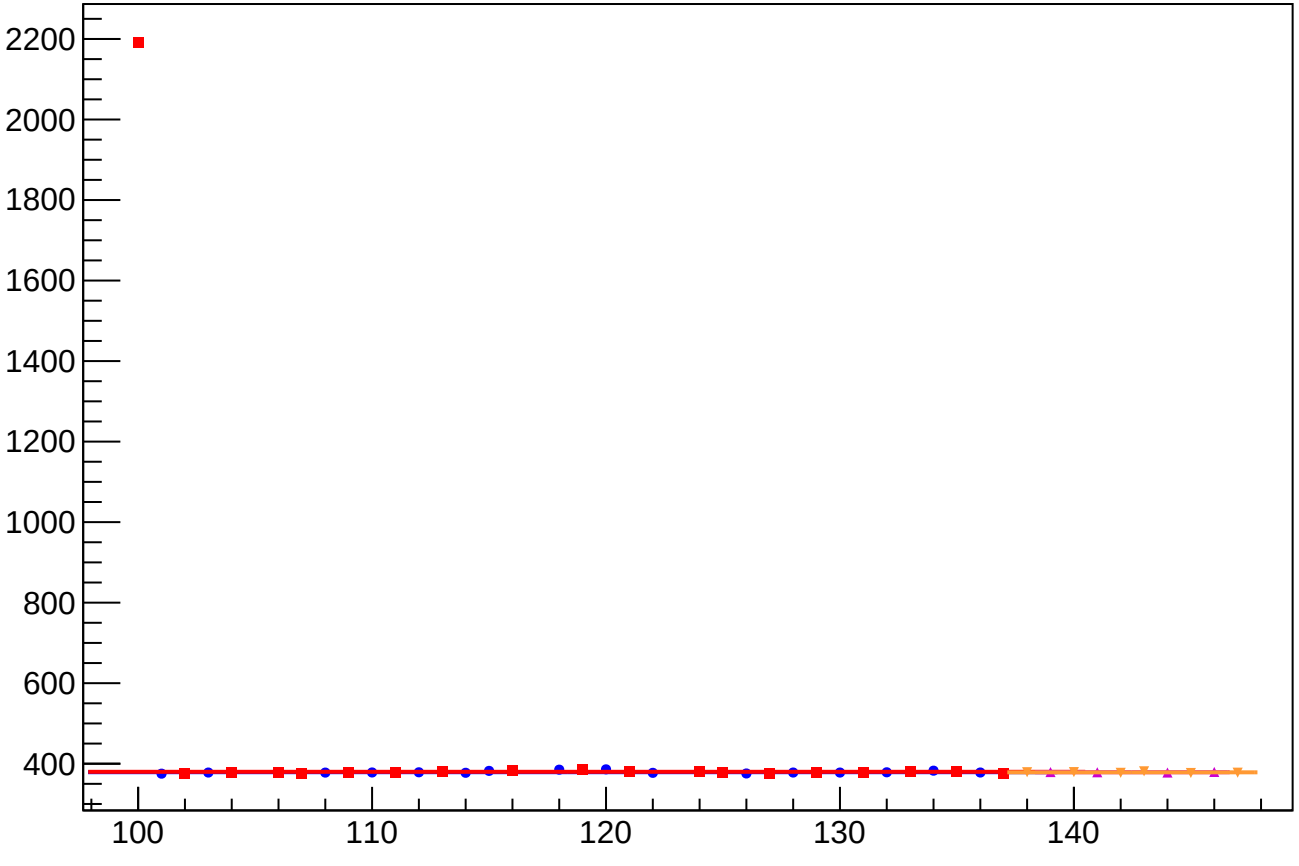
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -68.362+/-115.383 χ^2/NDF:18.4/19

Out: 125.256+/-109.549 χ^2/NDF:17.6/24

All: 33.466+/-79.445 χ^2/NDF: 37.5/44

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.583+/-0.126 χ^2/NDF:122.7/5

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.916+/-0.143 χ^2/NDF:15.7/3

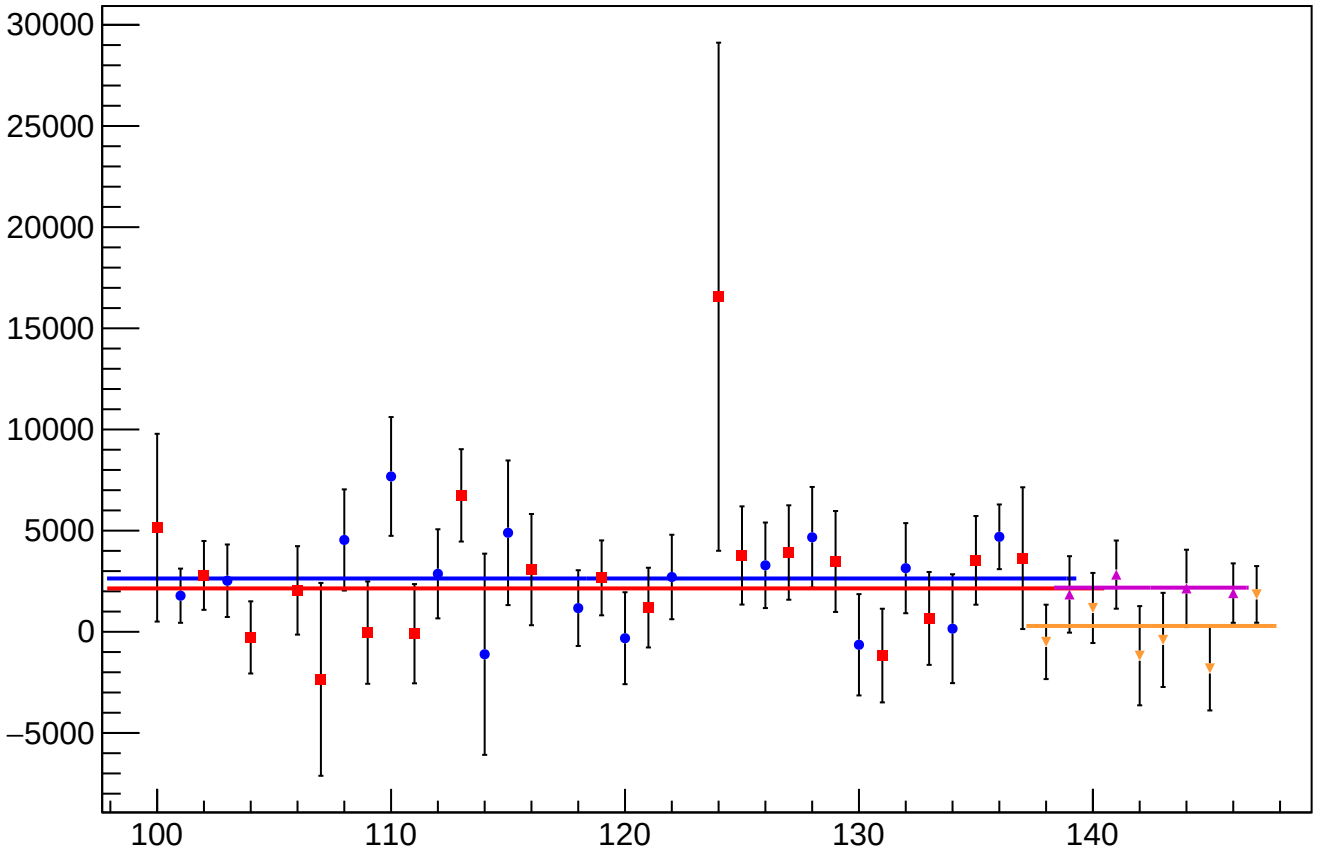
Left: 378.729+/-0.094 χ^2/NDF: 141.5/9

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

In: 378.912+/-0.082 χ^2/NDF:866.9/19

Out: 379.388+/-0.077 χ^2/NDF:99809.9/24

All: 379.162+/-0.056 χ^2/NDF: 100694.7/44



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

Left Out: 289.001+/-762.262 χ^2/NDF:3.2/5

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 2181.628+/-854.462 χ^2/NDF:0.2/3

Left: 1127.730+/-568.815 χ^2/NDF: 6.1/9

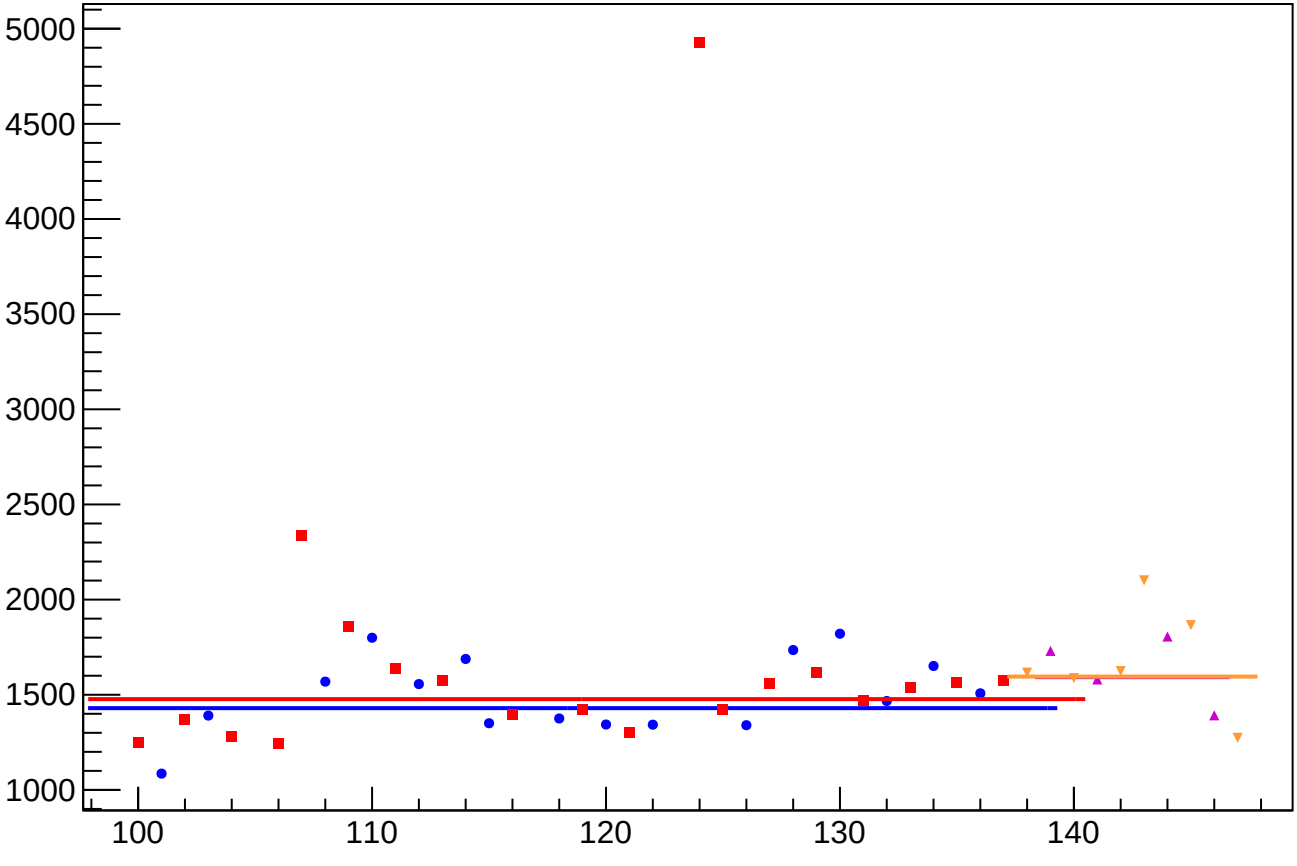
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2506.563+/-455.293 χ^2/NDF:12.7/19

Out: 1513.894+/-444.395 χ^2/NDF:22.1/24

All: 1998.206+/-318.018 χ^2/NDF: 37.2/44

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1595.481+/-0.539 χ^2/NDF:234468.6/5

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1592.529+/-0.604 χ^2/NDF:72993.9/3

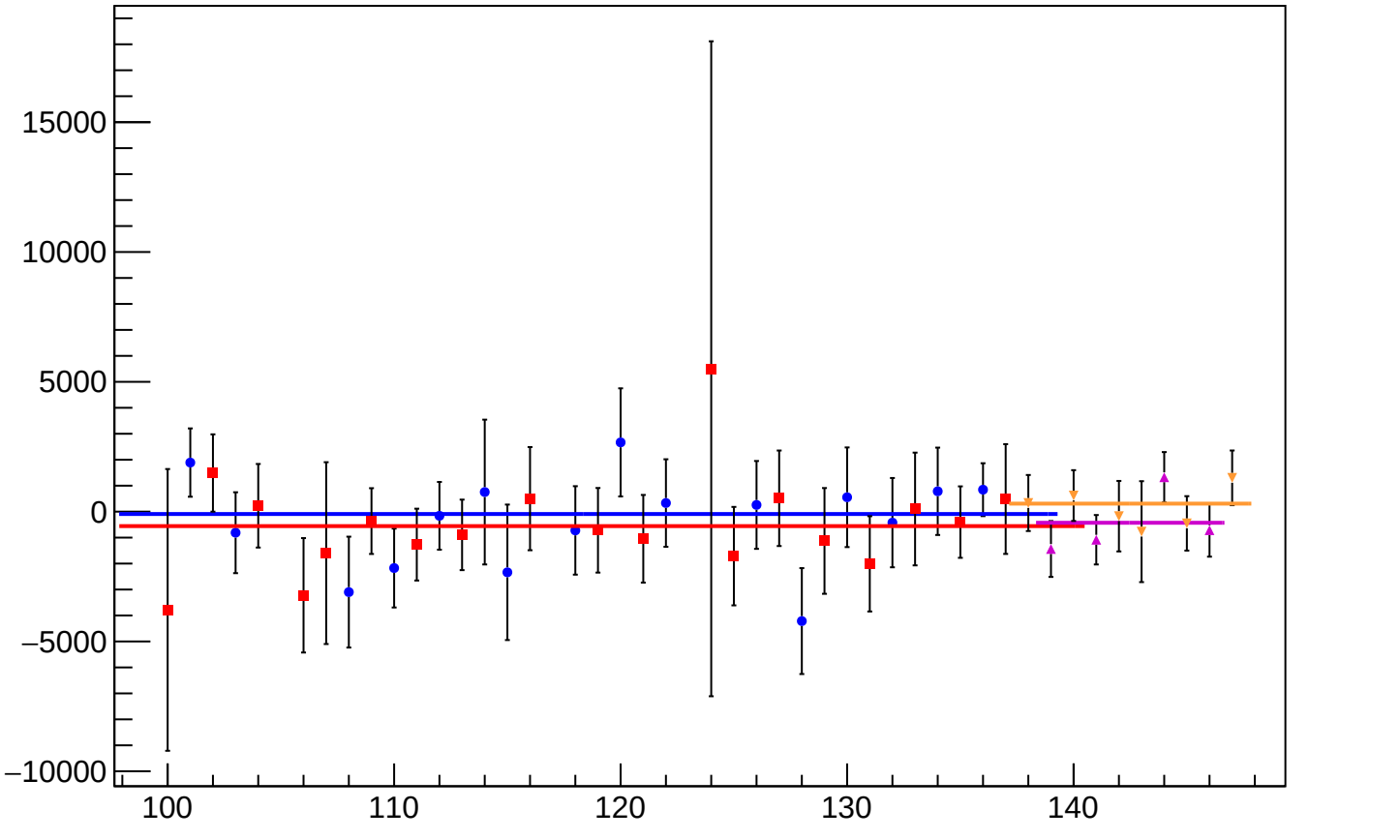
Left: 1594.173+/-0.402 χ^2/NDF: 307475.8/9

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

In: 1475.897+/-0.322 χ^2/NDF:418419.9/19

Out: 1517.353+/-0.314 χ^2/NDF:635727.8/24

All: 1497.127+/-0.225 χ^2/NDF: 1062638.9/44



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

Left Out: 308.712+/-470.184 χ^2/NDF:2.0/5

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -428.502+/-500.616 χ^2/NDF:4.7/3

Left: -36.808+/-342.724 χ^2/NDF: 7.8/9

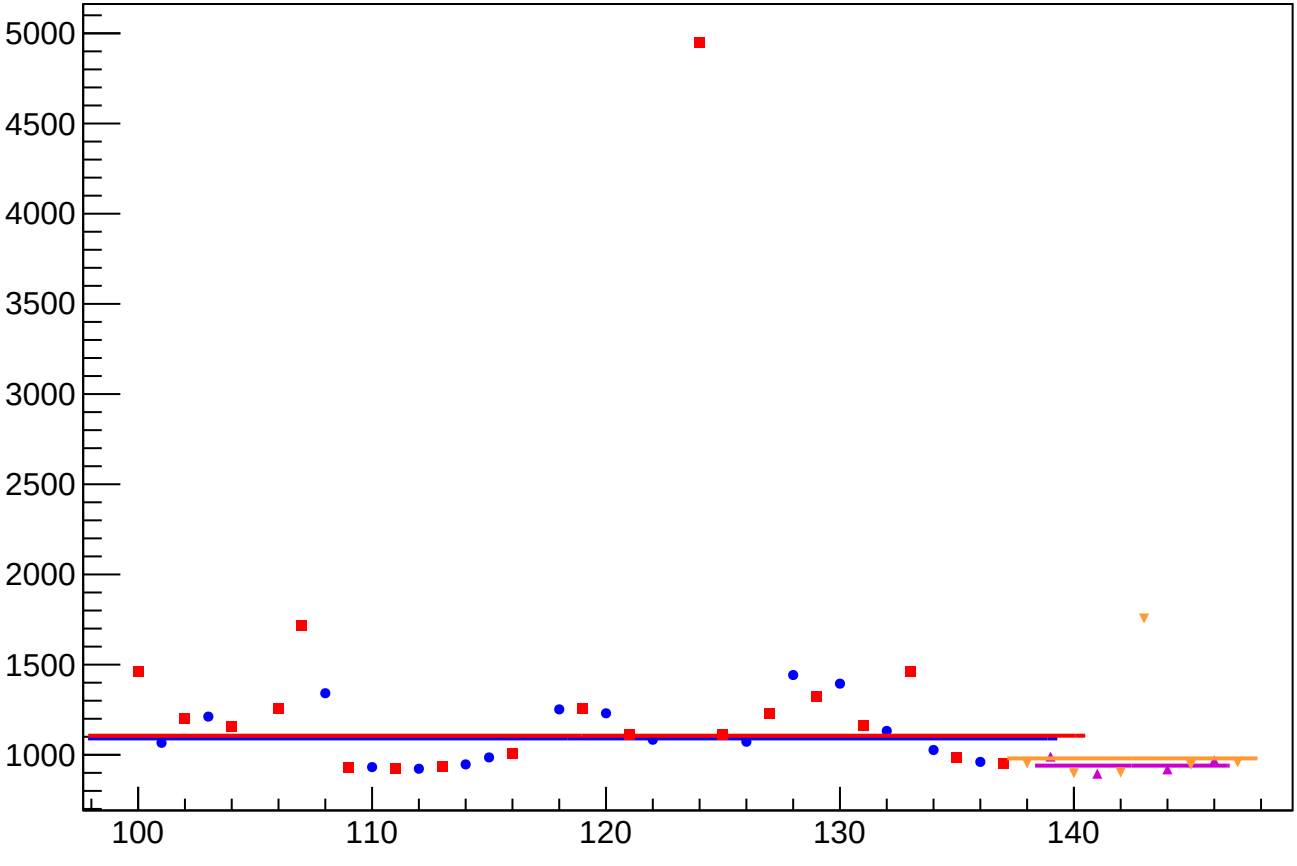
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -226.661+/-317.177 χ^2/NDF:19.5/19

Out: -181.580+/-309.591 χ^2/NDF:10.6/24

All: -203.575+/-221.547 χ^2/NDF: 30.1/44

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 980.206+/-0.332 χ^2/NDF:343882.0/5

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 940.188+/-0.354 χ^2/NDF:11264.0/3

Left: 961.450+/-0.242 χ^2/NDF: 361936.3/9

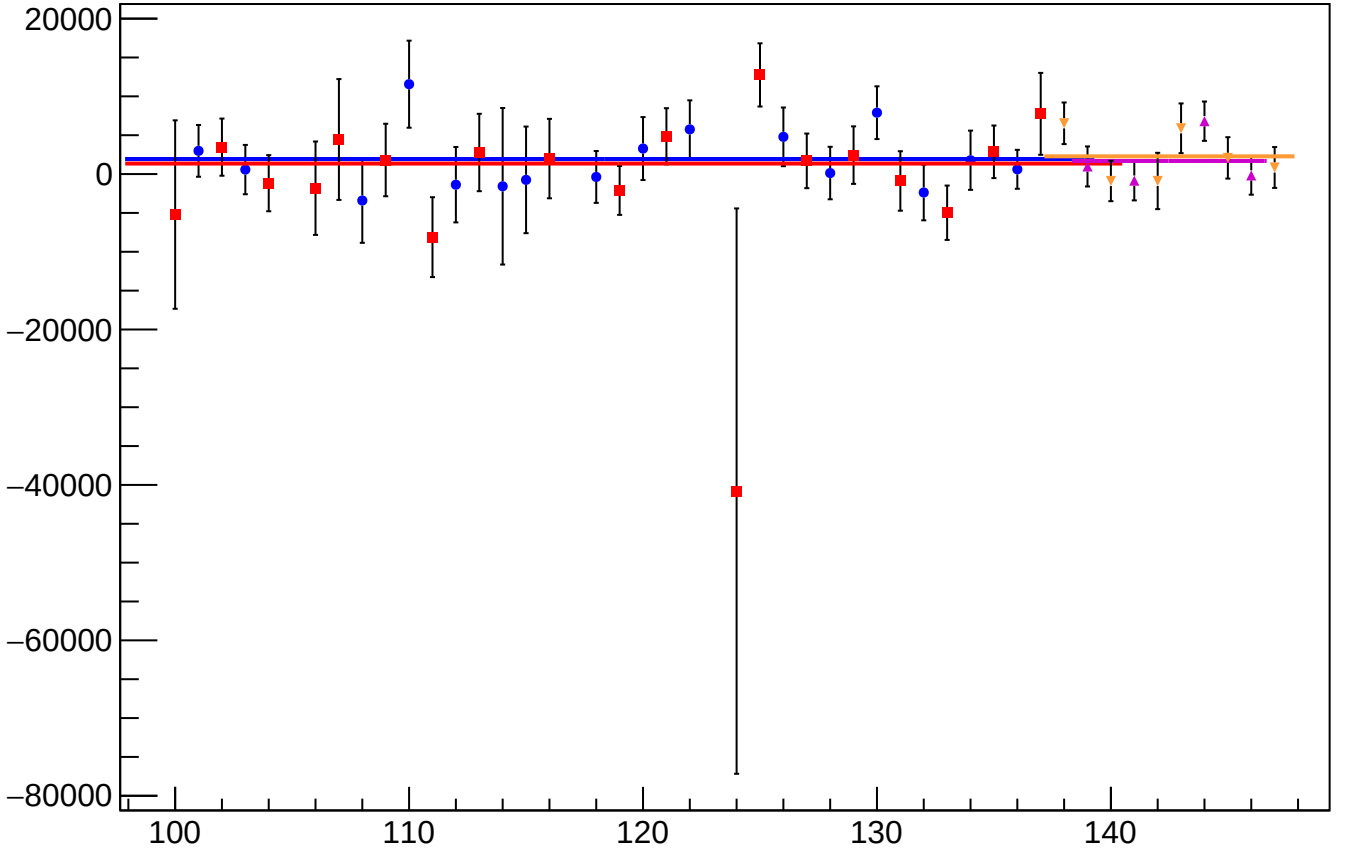
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1030.486+/-0.224 χ^2/NDF:397275.7/19

Out: 1051.488+/-0.219 χ^2/NDF:939130.7/24

All: 1041.241+/-0.157 χ^2/NDF: 1340896.9/44

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2281.114+/-1156.965 χ^2/NDF:6.4/5

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1685.215+/-1265.894 χ^2/NDF:5.7/3

Left: 2009.901+/-854.016 χ^2/NDF: 12.2/9

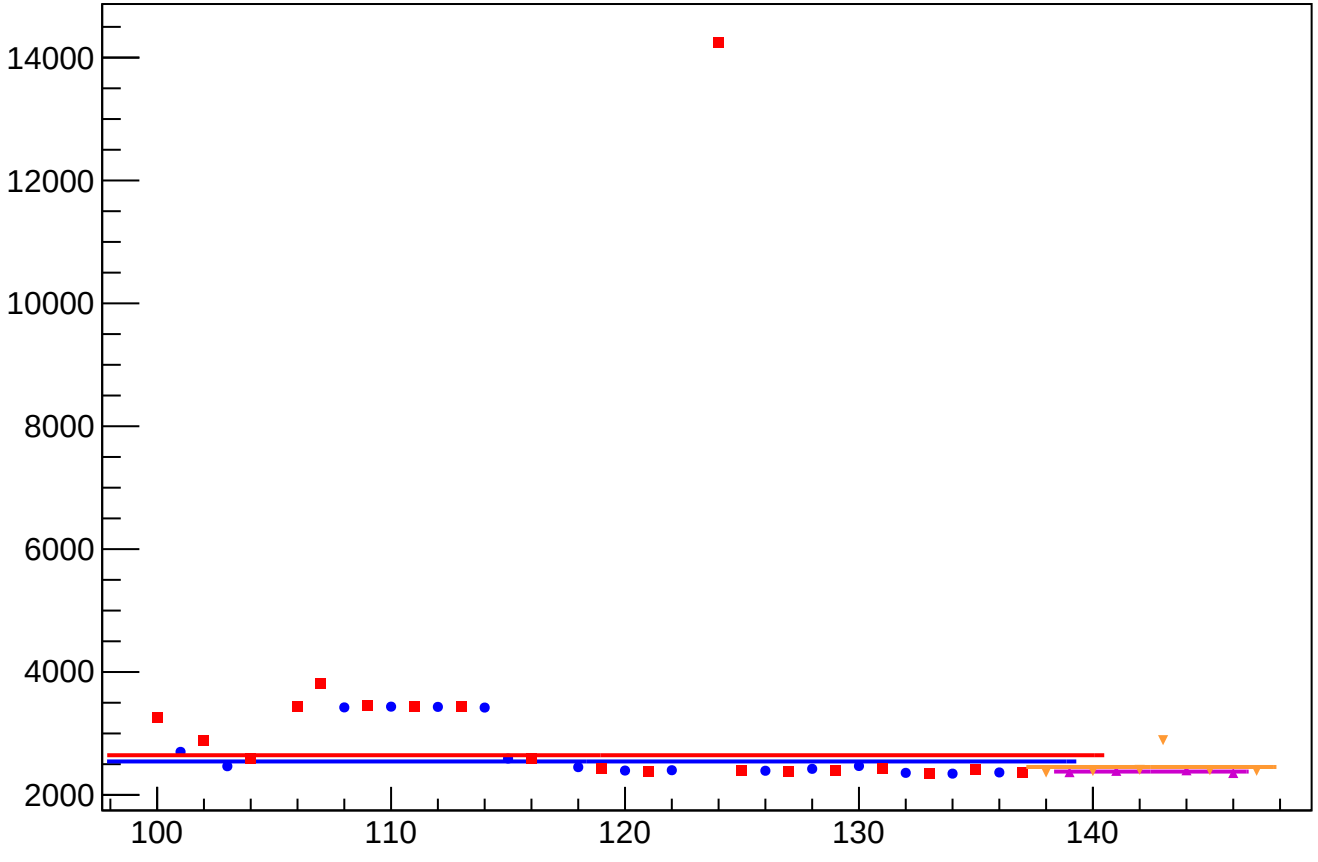
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1847.673+/-761.129 χ^2/NDF:18.0/19

Out: 1743.325+/-750.057 χ^2/NDF:28.5/24

All: 1794.734+/-534.242 χ^2/NDF: 46.5/44

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2454.201+/-0.818 χ^2/NDF:43023.2/5

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

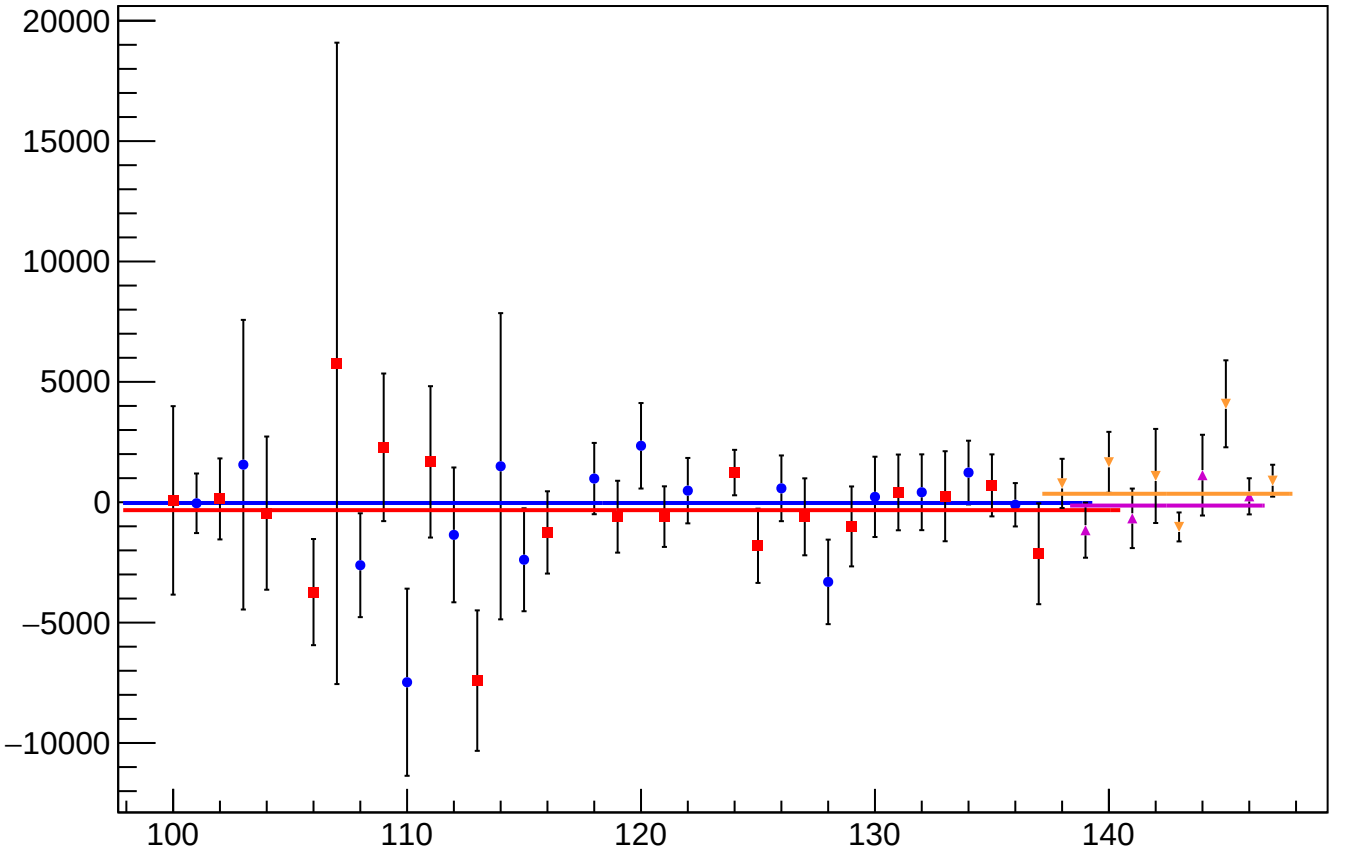
Left: 2420.314+/-0.604 χ^2/NDF: 47176.6/9

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2484.886+/-0.538 χ^2/NDF:247605.8/19

Out: 2565.184+/-0.530 χ^2/NDF:611734.5/24

All: 2525.623+/-0.378 χ^2/NDF: 870633.5/44



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 351.747+/-372.756 χ^2/NDF:11.6/5

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -138.582+/-530.775 χ^2/NDF:1.8/3

Left: 189.792+/-305.046 χ^2/NDF: 14.0/9

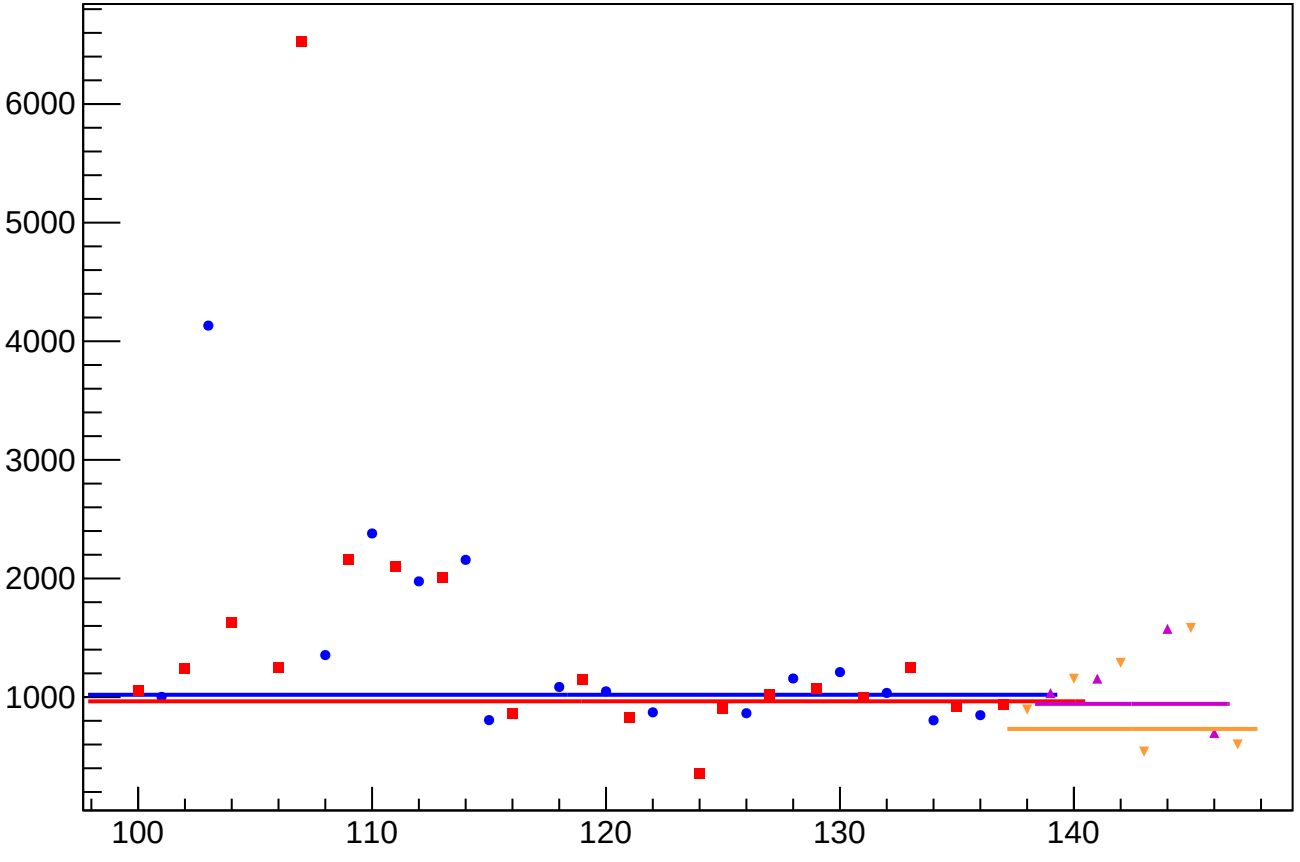
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -70.798+/-322.339 χ^2/NDF:15.6/19

Out: 34.374+/-272.246 χ^2/NDF:28.8/24

All: -9.414+/-207.989 χ^2/NDF: 44.5/44

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 731.593+/-0.264 χ^2/NDF:1162067.3/5

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 942.715+/-0.375 χ^2/NDF:569251.6/3

Left: 801.326+/-0.216 χ^2/NDF: 1943231.1/9

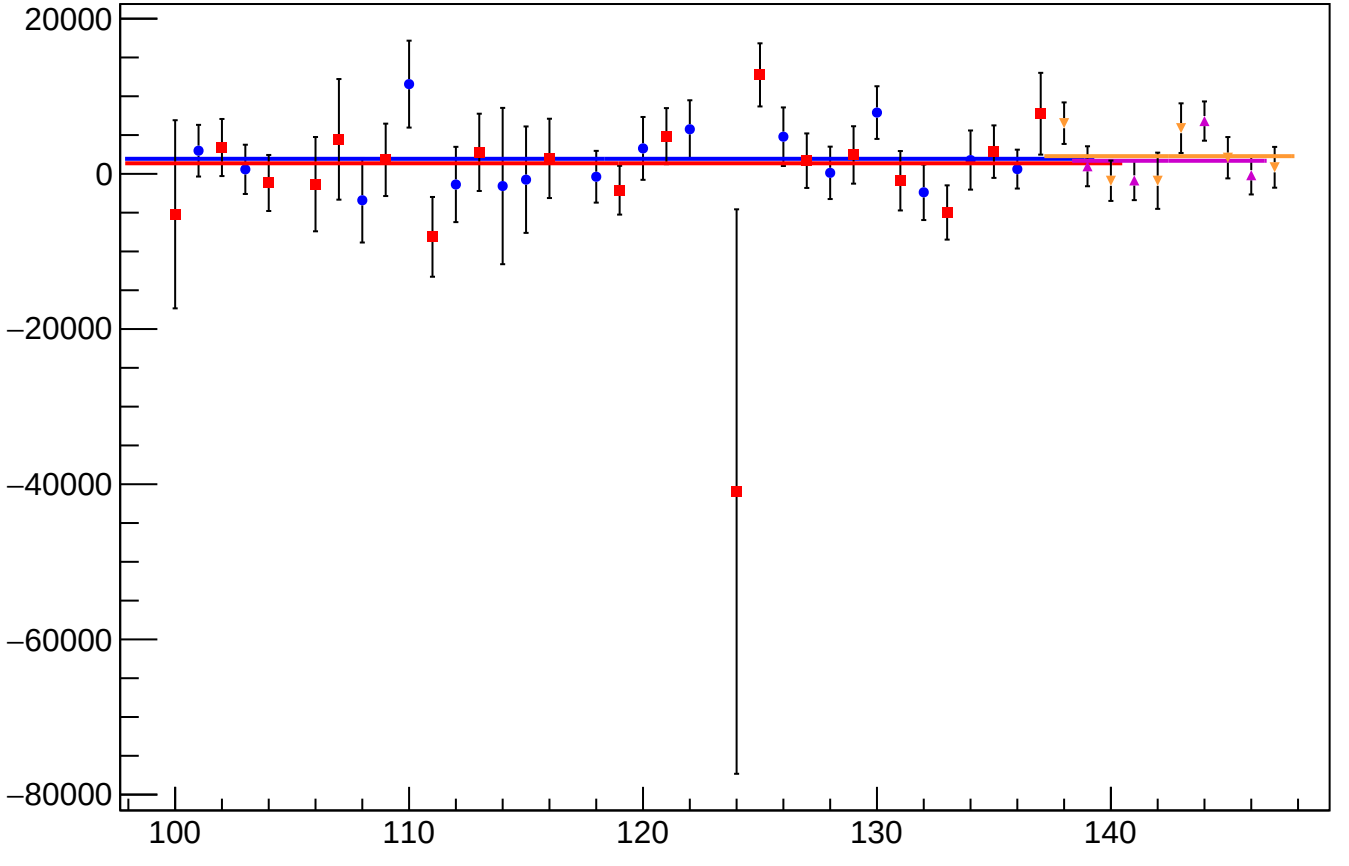
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 991.195+/-0.228 χ^2/NDF:1960432.5/19

Out: 840.205+/-0.193 χ^2/NDF:3835353.2/24

All: 903.069+/-0.147 χ^2/NDF: 6051915.6/44

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2280.954+/-1156.965 χ^2/NDF:6.4/5

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1685.359+/-1265.894 χ^2/NDF:5.7/3

Left: 2009.880+/-854.016 χ^2/NDF: 12.2/9

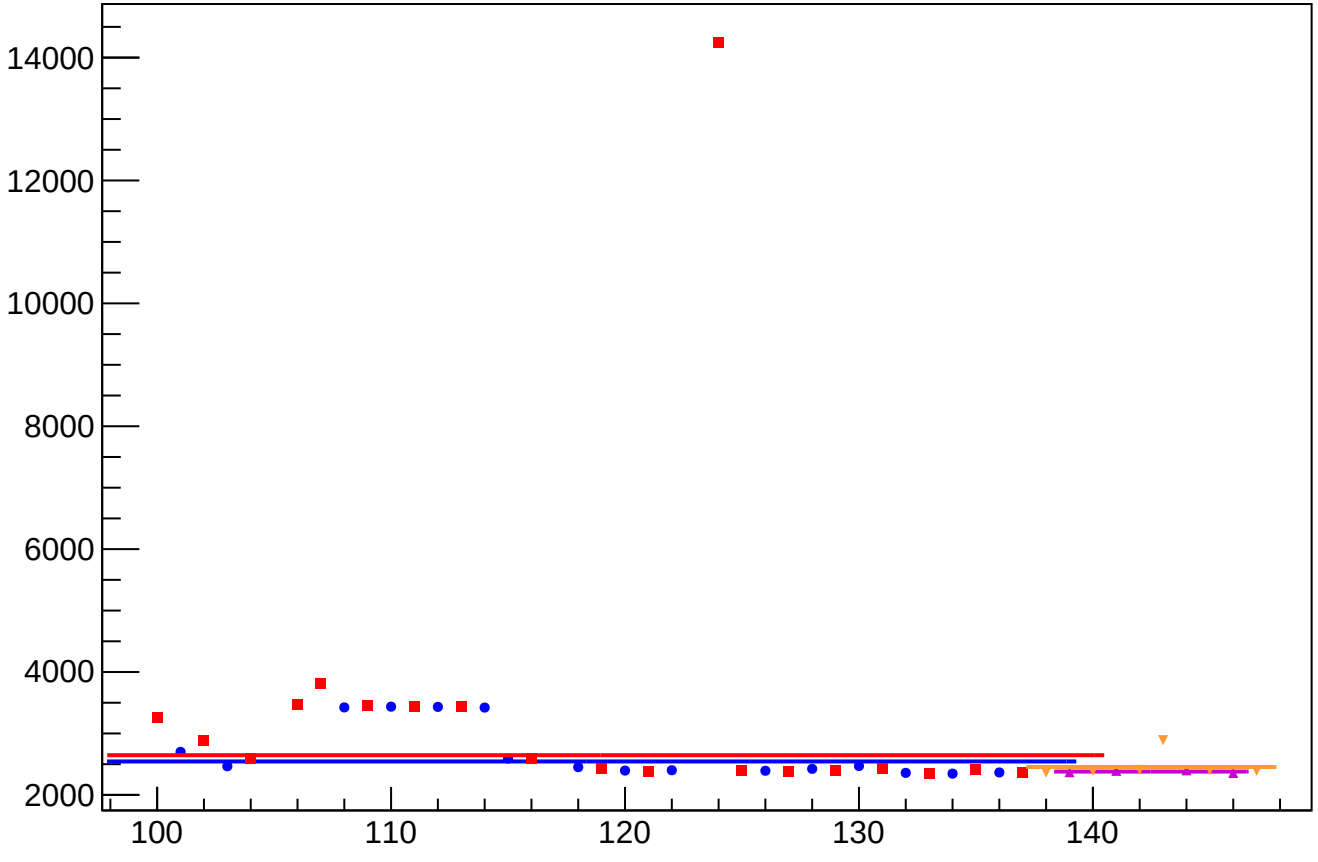
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1847.948+/-761.129 χ^2/NDF:18.0/19

Out: 1748.995+/-750.190 χ^2/NDF:28.4/24

All: 1797.755+/-534.290 χ^2/NDF: 46.4/44

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2454.201+/-0.818 χ^2/NDF:43023.2/5

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

Left: 2420.314+/-0.604 χ^2/NDF: 47176.6/9

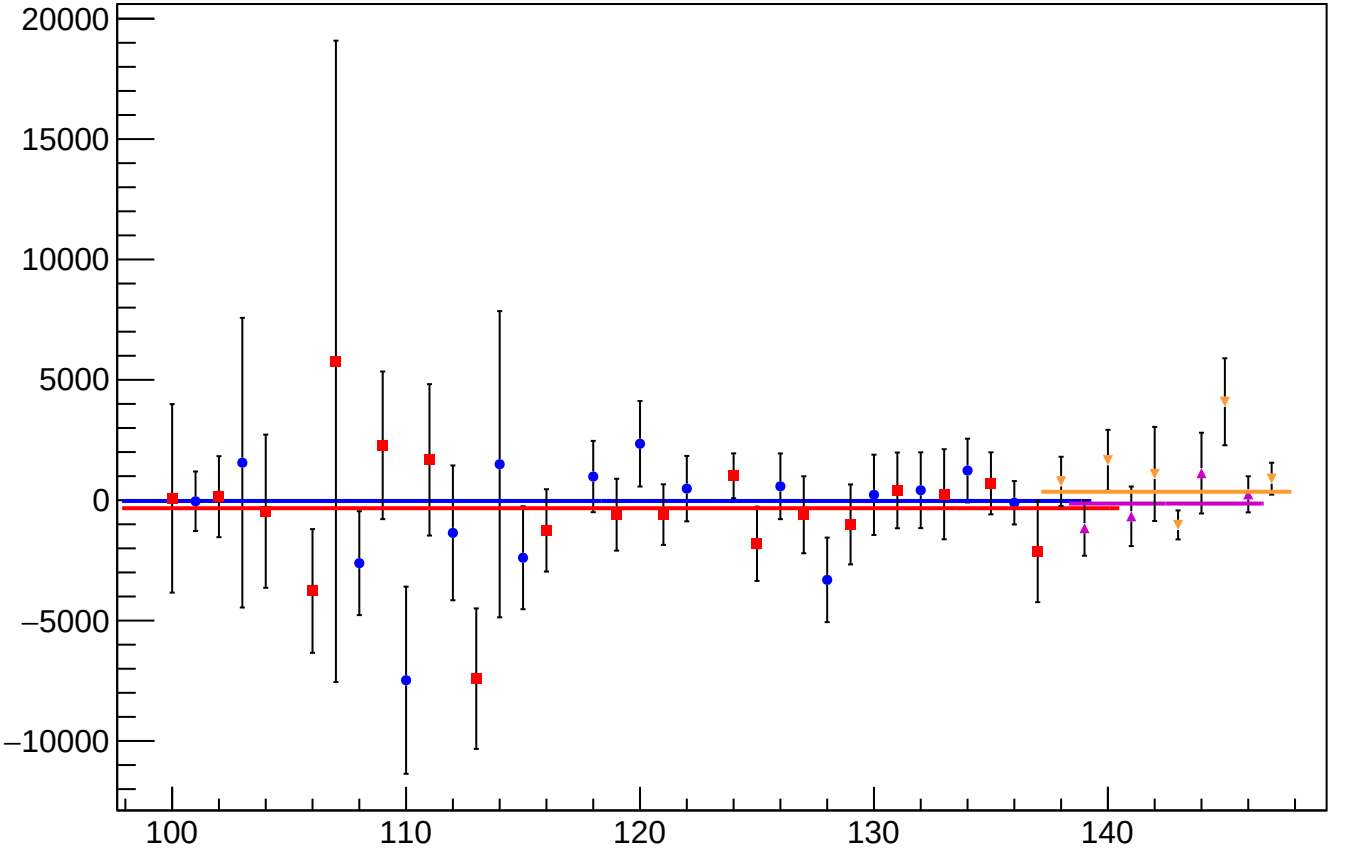
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2484.886+/-0.538 χ^2/NDF:247605.8/19

Out: 2565.478+/-0.530 χ^2/NDF:614492.7/24

All: 2525.765+/-0.378 χ^2/NDF: 873472.5/44

asym_atl1_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 351.657+/-372.765 χ^2/NDF:11.6/5

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -138.795+/-530.772 χ^2/NDF:1.8/3

Left: 189.654+/-305.050 χ^2/NDF: 14.0/9

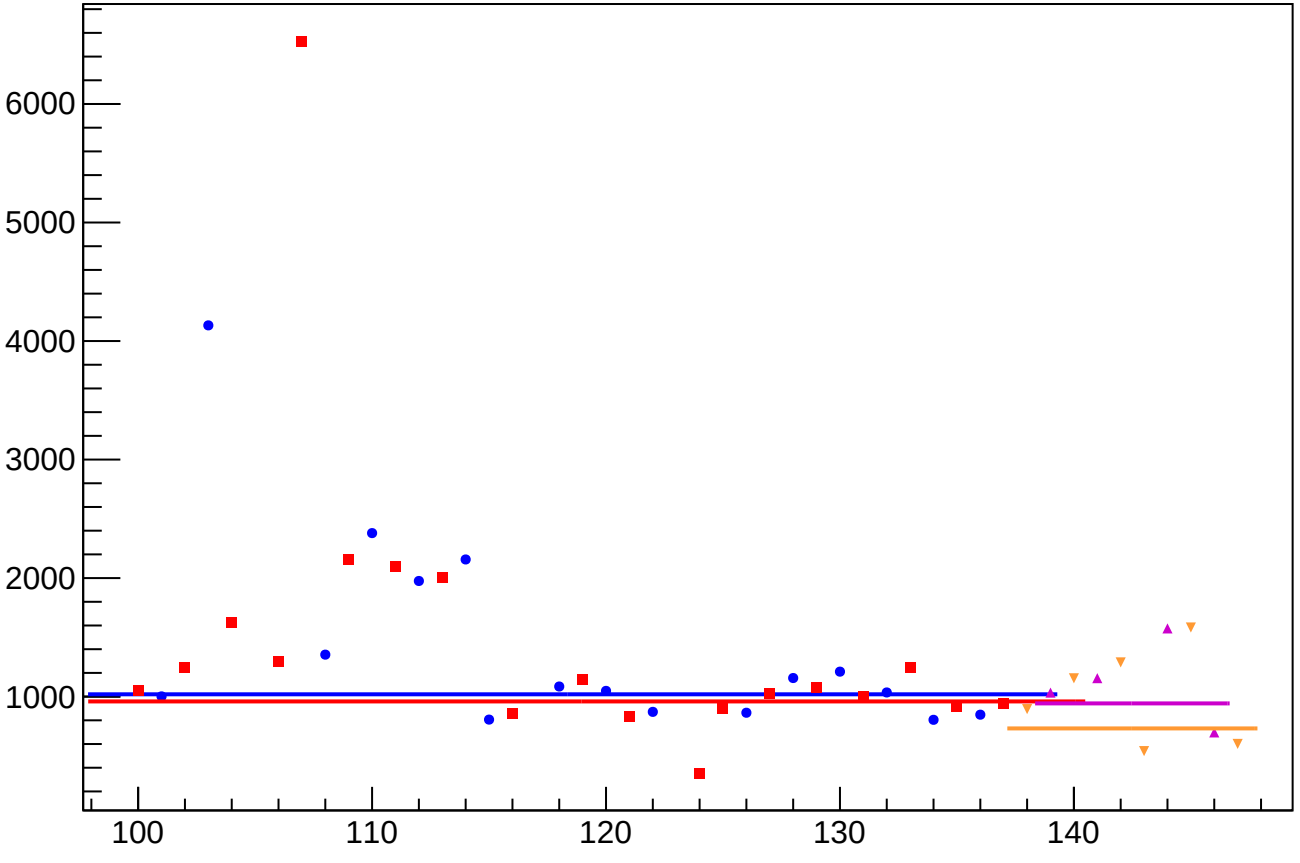
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -70.916+/-322.337 χ^2/NDF:15.6/19

Out: 33.344+/-272.494 χ^2/NDF:27.5/24

All: -10.110+/-208.098 χ^2/NDF: 43.2/44

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.615+/-0.264 χ^2/NDF:1161991.5/5

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 942.706+/-0.375 χ^2/NDF:569276.1/3

Left: 801.341+/-0.216 χ^2/NDF: 1943114.6/9

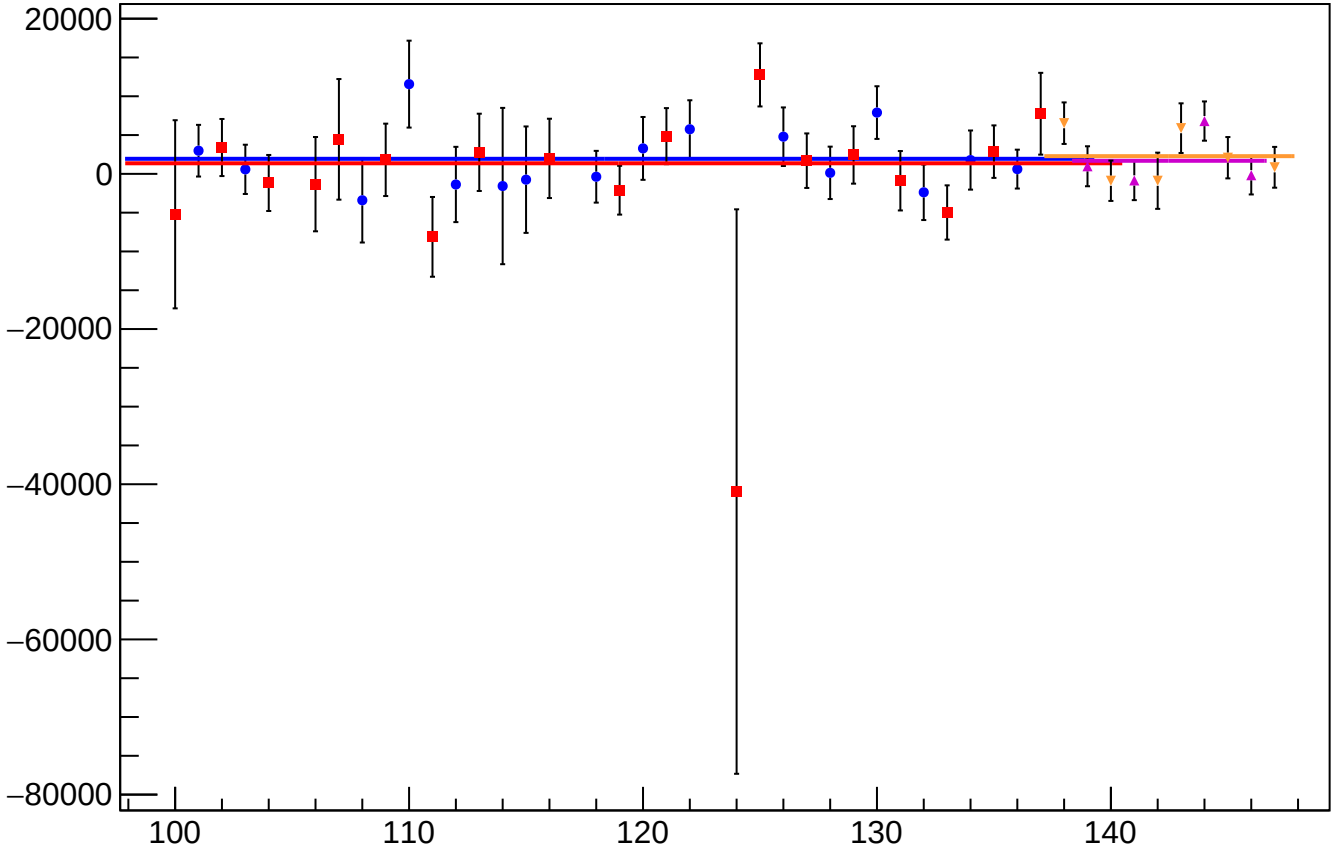
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 991.186+/-0.228 χ^2/NDF:1960452.8/19

Out: 837.653+/-0.193 χ^2/NDF:3853990.5/24

All: 901.644+/-0.147 χ^2/NDF: 6079075.8/44

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2280.954+/-1156.965 χ^2/NDF:6.4/5

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1685.359+/-1265.894 χ^2/NDF:5.7/3

Left: 2009.880+/-854.016 χ^2/NDF: 12.2/9

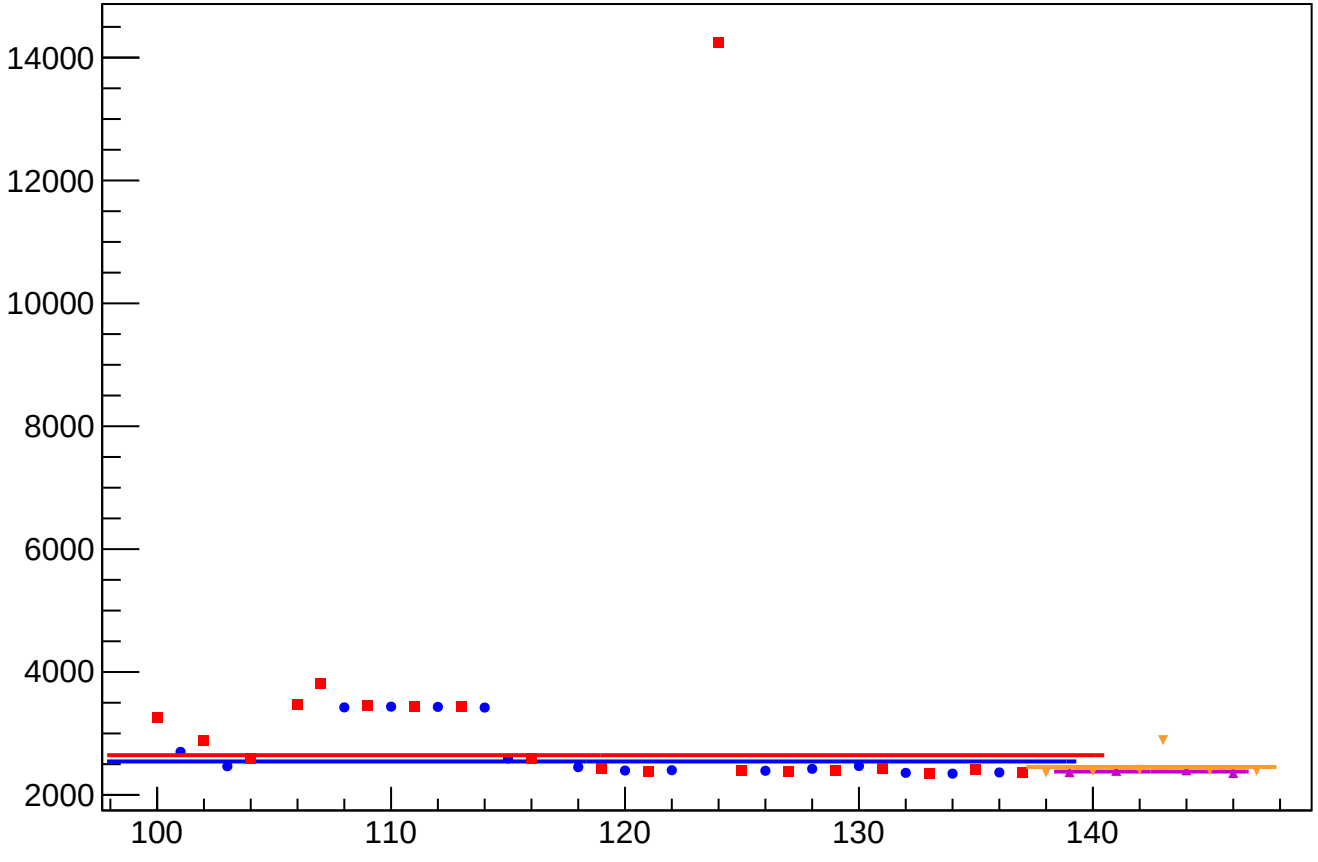
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1847.948+/-761.129 χ^2/NDF:18.0/19

Out: 1748.995+/-750.190 χ^2/NDF:28.4/24

All: 1797.755+/-534.290 χ^2/NDF: 46.4/44

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2454.201+/-0.818 χ^2/NDF:43023.2/5

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2379.746+/-0.895 χ^2/NDF:383.7/3

Left: 2420.314+/-0.604 χ^2/NDF: 47176.6/9

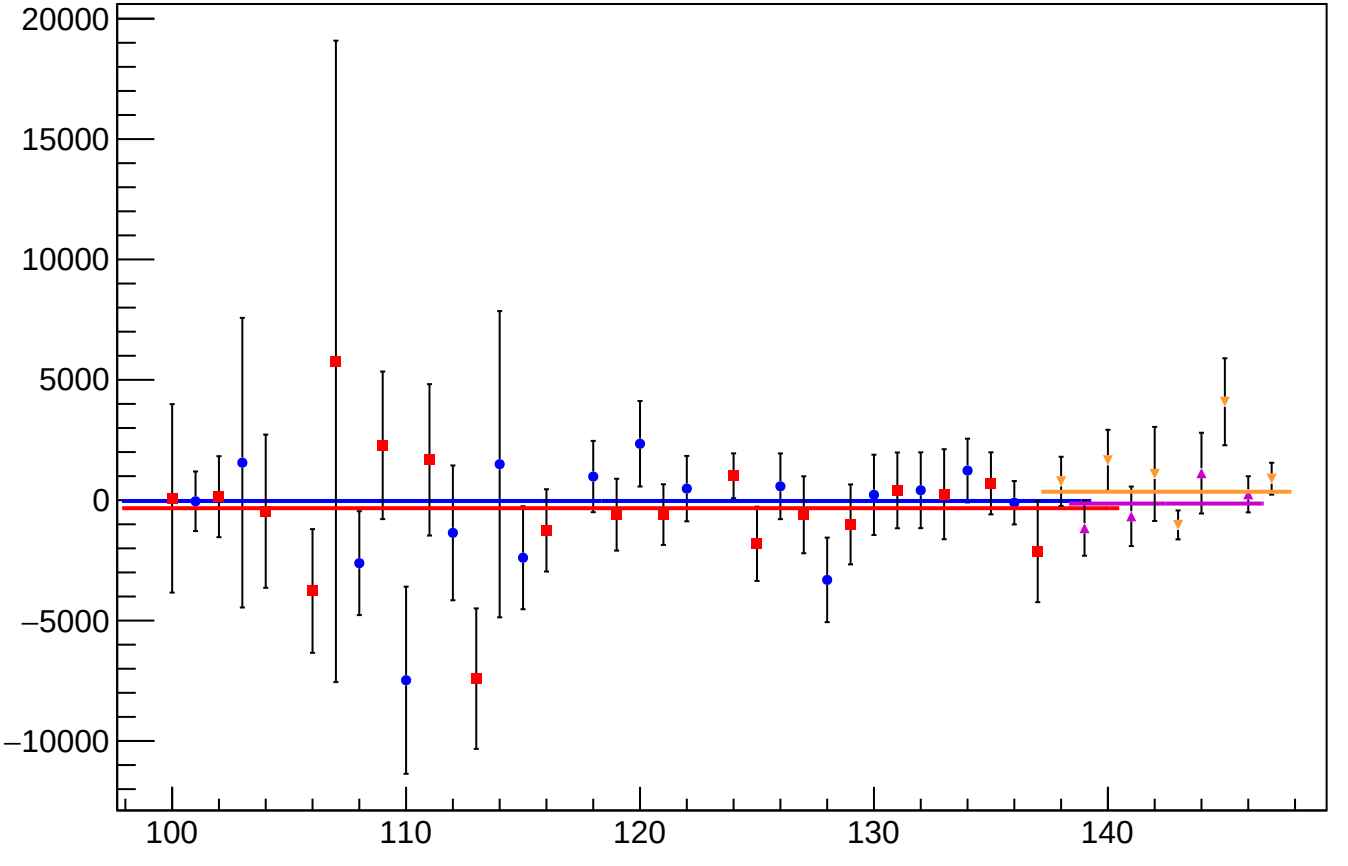
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2484.886+/-0.538 χ^2/NDF:247605.8/19

Out: 2565.478+/-0.530 χ^2/NDF:614492.7/24

All: 2525.765+/-0.378 χ^2/NDF: 873472.5/44

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 351.657+/-372.765 χ^2/NDF:11.6/5

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -138.795+/-530.772 χ^2/NDF:1.8/3

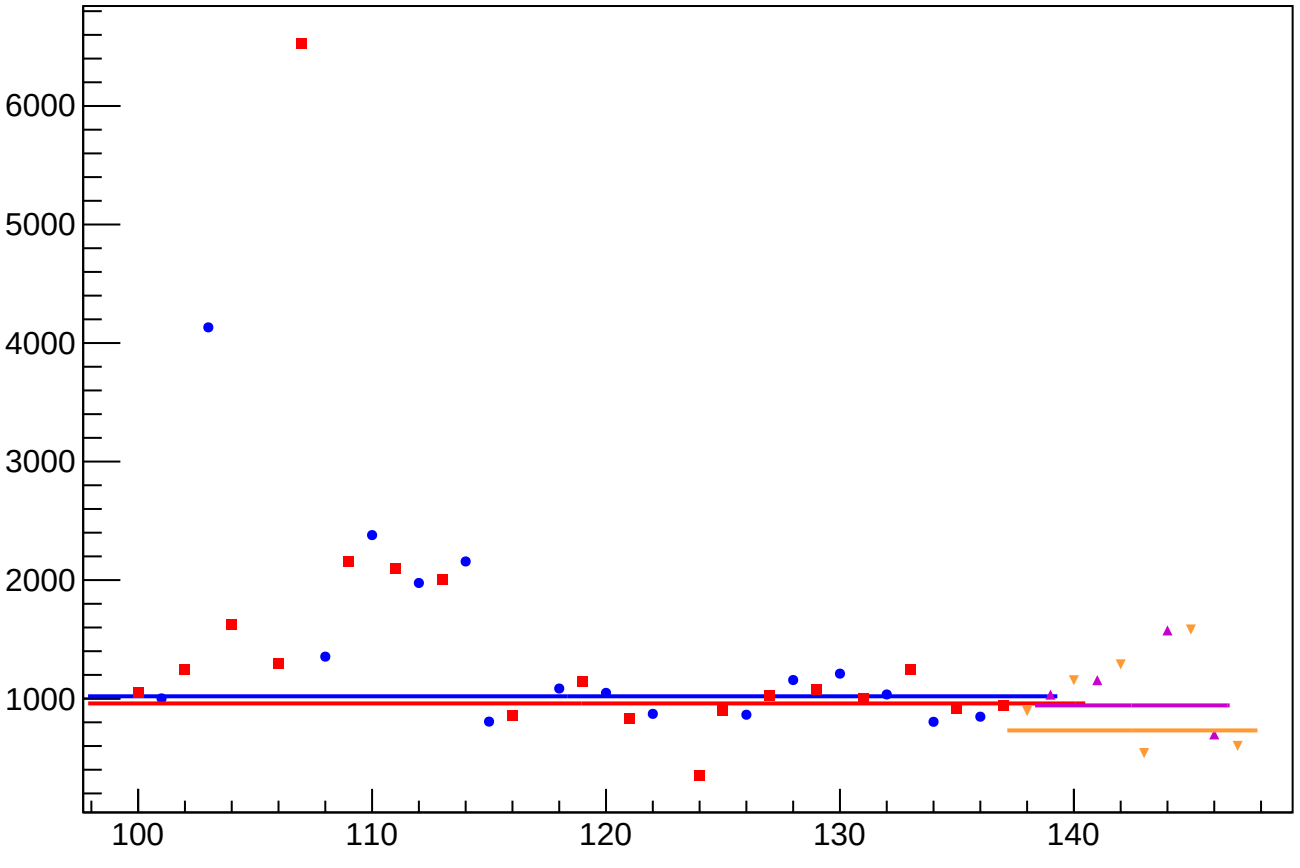
Left: 189.654+/-305.050 χ^2/NDF: 14.0/9

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -70.916+/-322.337 χ^2/NDF:15.6/19

Out: 33.344+/-272.494 χ^2/NDF:27.5/24

All: -10.110+/-208.098 χ^2/NDF: 43.2/44



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.615+/-0.264 χ^2/NDF:1161991.5/5

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 942.706+/-0.375 χ^2/NDF:569276.1/3

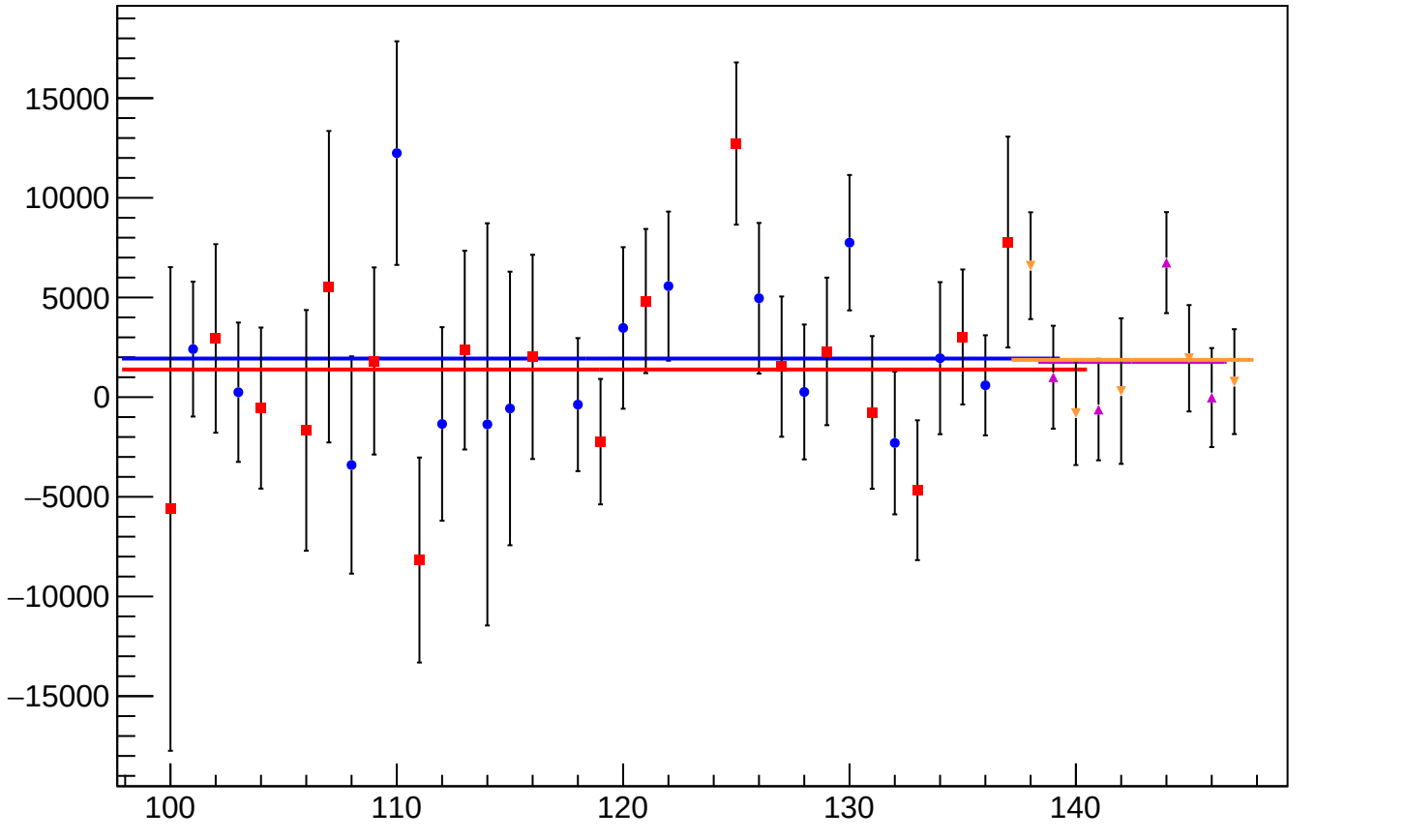
Left: 801.341+/-0.216 χ^2/NDF: 1943114.6/9

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 991.186+/-0.228 χ^2/NDF:1960452.8/19

Out: 837.653+/-0.193 χ^2/NDF:3853990.5/24

All: 901.644+/-0.147 χ^2/NDF: 6079075.8/44



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1870.643+/-1243.656 χ^2/NDF:4.5/4

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1769.617+/-1267.828 χ^2/NDF:5.4/3

Left: 1821.102+/-887.820 χ^2/NDF: 9.9/8

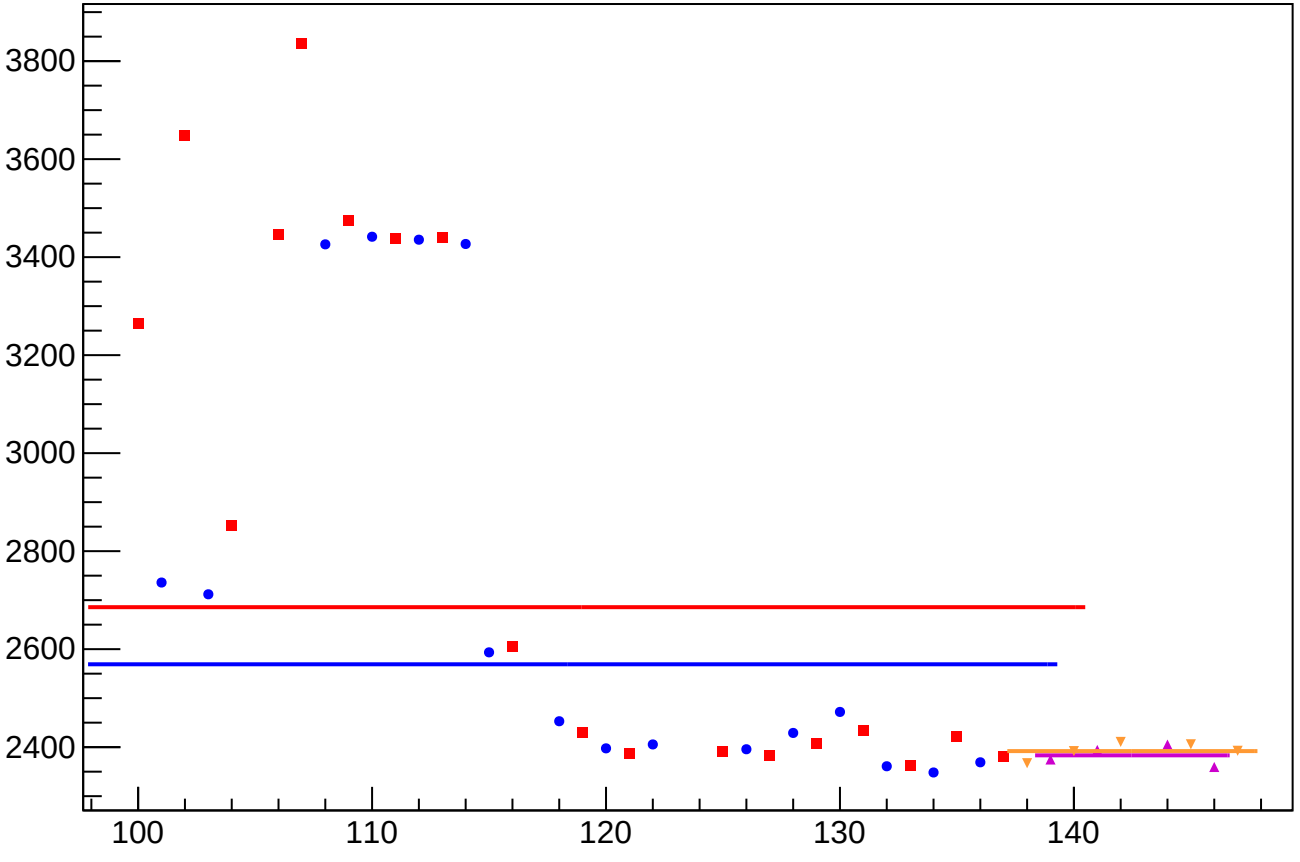
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1875.176+/-766.522 χ^2/NDF:17.7/19

Out: 1579.336+/-783.601 χ^2/NDF:24.4/22

All: 1730.515+/-547.951 χ^2/NDF: 42.2/42

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2391.970+/-0.879 χ^2/NDF:277.0/4

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2383.338+/-0.896 χ^2/NDF:392.3/3

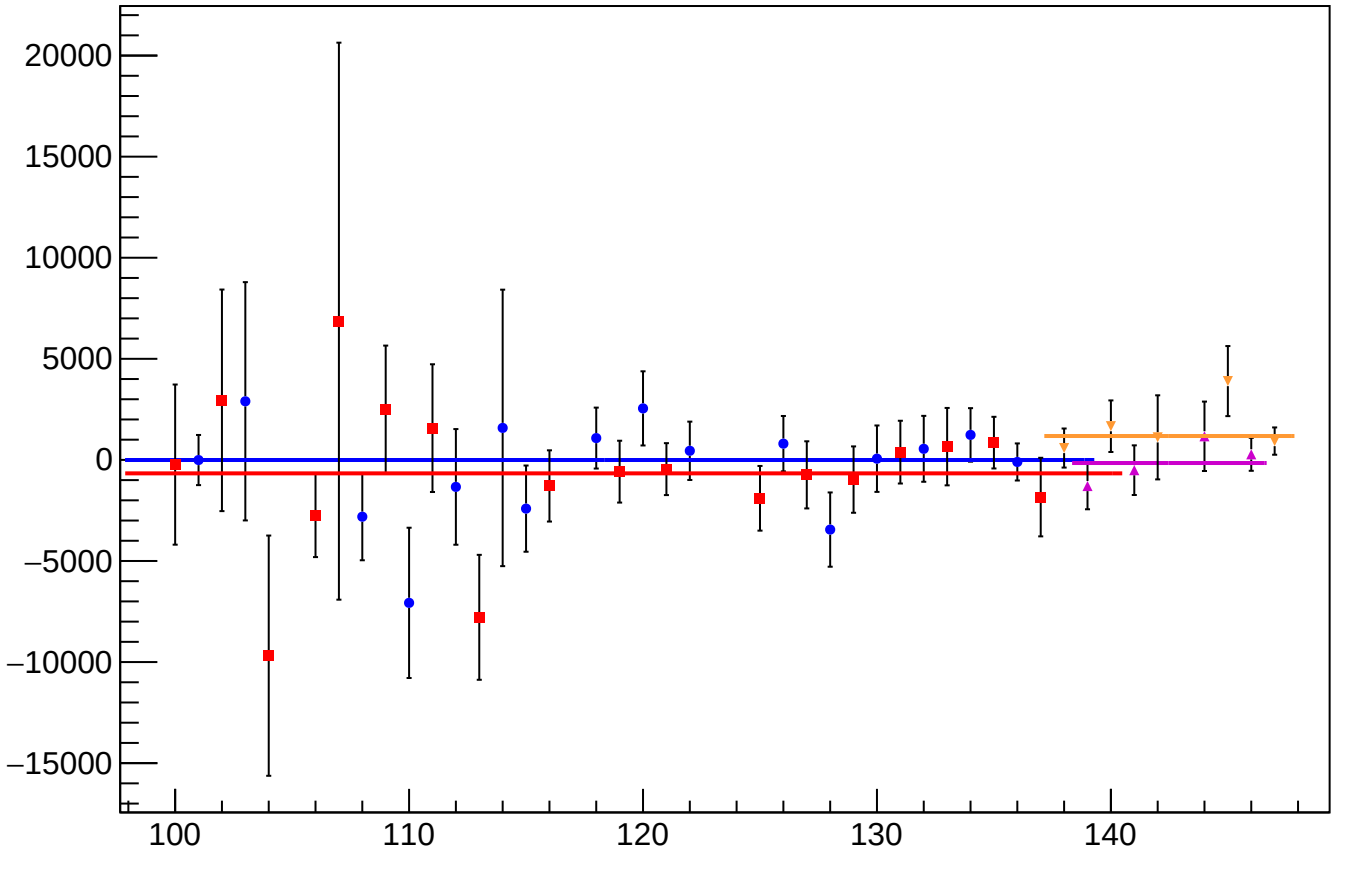
Left: 2387.737+/-0.628 χ^2/NDF: 716.5/8

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2501.217+/-0.542 χ^2/NDF:257130.0/19

Out: 2569.074+/-0.554 χ^2/NDF:486803.7/22

All: 2534.398+/-0.387 χ^2/NDF: 751598.0/42



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1181.290+/-474.309 χ^2/NDF:3.1/4

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -154.097+/-553.549 χ^2/NDF:1.9/3

Left: 615.936+/-360.174 χ^2/NDF: 8.4/8

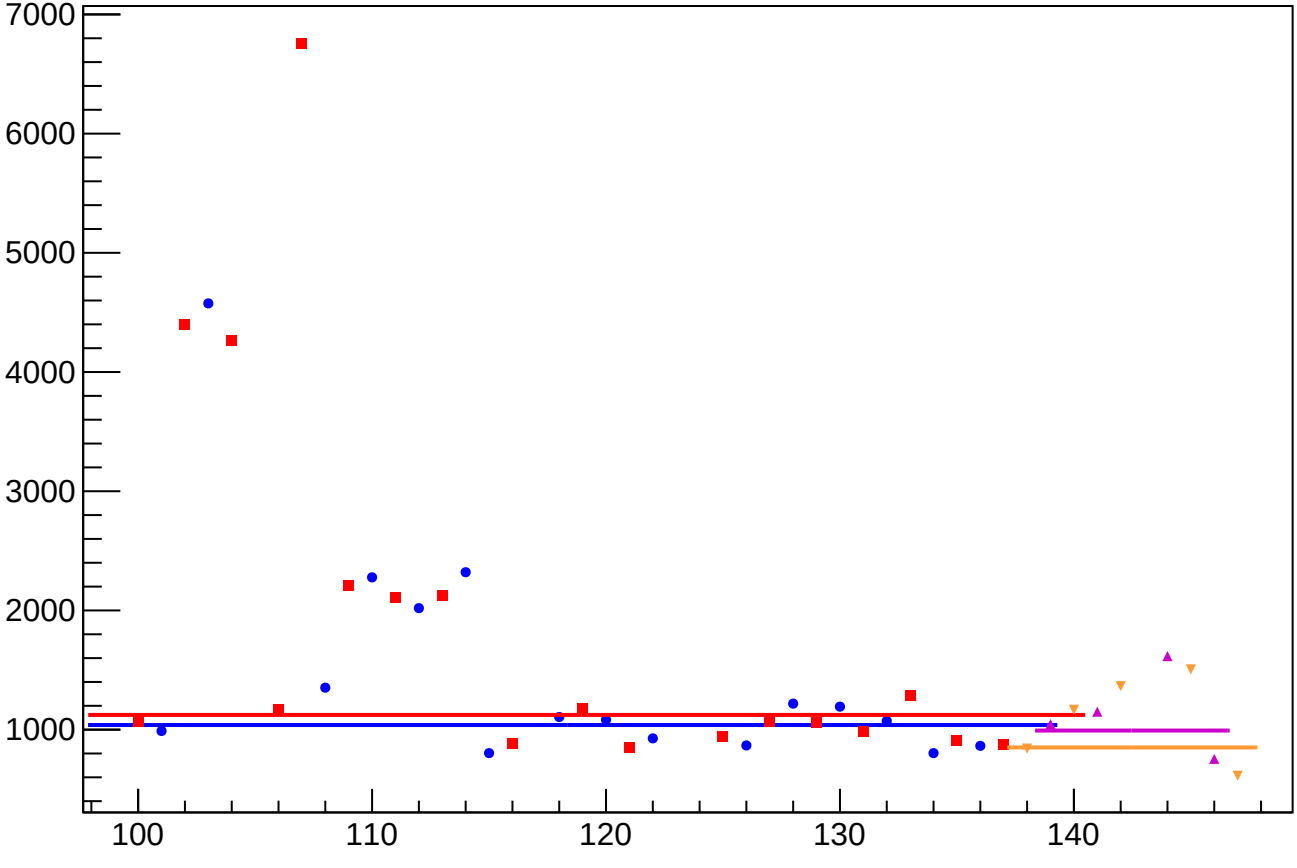
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -58.301+/-330.632 χ^2/NDF:16.5/19

Out: 230.412+/-330.401 χ^2/NDF:25.3/22

All: 86.156+/-233.711 χ^2/NDF: 42.2/42

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 850.522+/-0.335 χ^2/NDF:777414.4/4

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 992.441+/-0.391 χ^2/NDF:471808.9/3

Left: 910.606+/-0.255 χ^2/NDF: 1325028.4/8

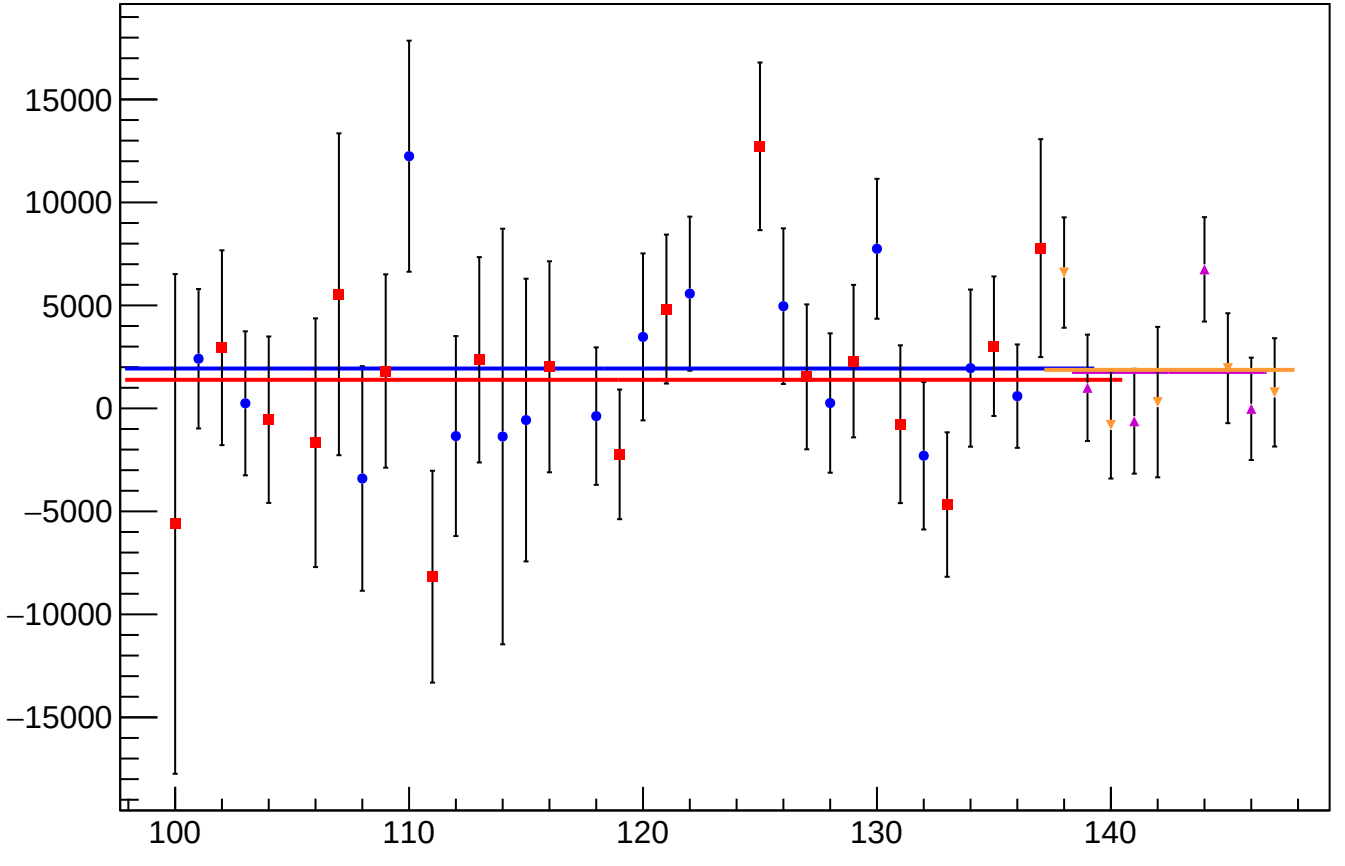
Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 1022.263+/-0.234 χ^2/NDF:2020564.2/19

Out: 991.026+/-0.234 χ^2/NDF:3653867.2/22

All: 1006.633+/-0.165 χ^2/NDF: 5683363.4/42

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1870.647+/-1243.656 χ^2/NDF:4.5/4

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1769.616+/-1267.828 χ^2/NDF:5.4/3

Left: 1821.104+/-887.820 χ^2/NDF: 9.9/8

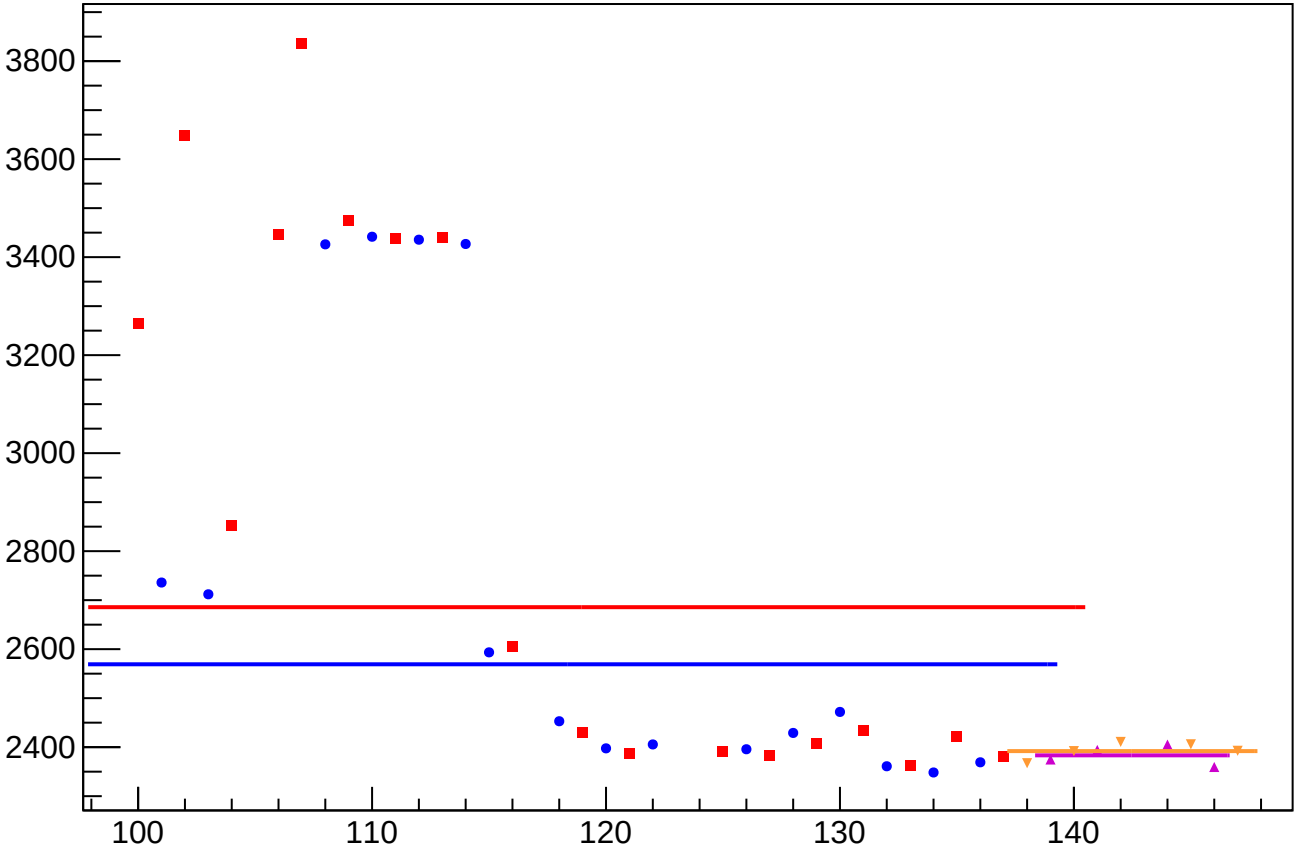
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1875.174+/-766.522 χ^2/NDF:17.7/19

Out: 1579.336+/-783.601 χ^2/NDF:24.4/22

All: 1730.514+/-547.951 χ^2/NDF: 42.2/42

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2391.970+/-0.879 χ^2/NDF:277.0/4

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2383.338+/-0.896 χ^2/NDF:392.3/3

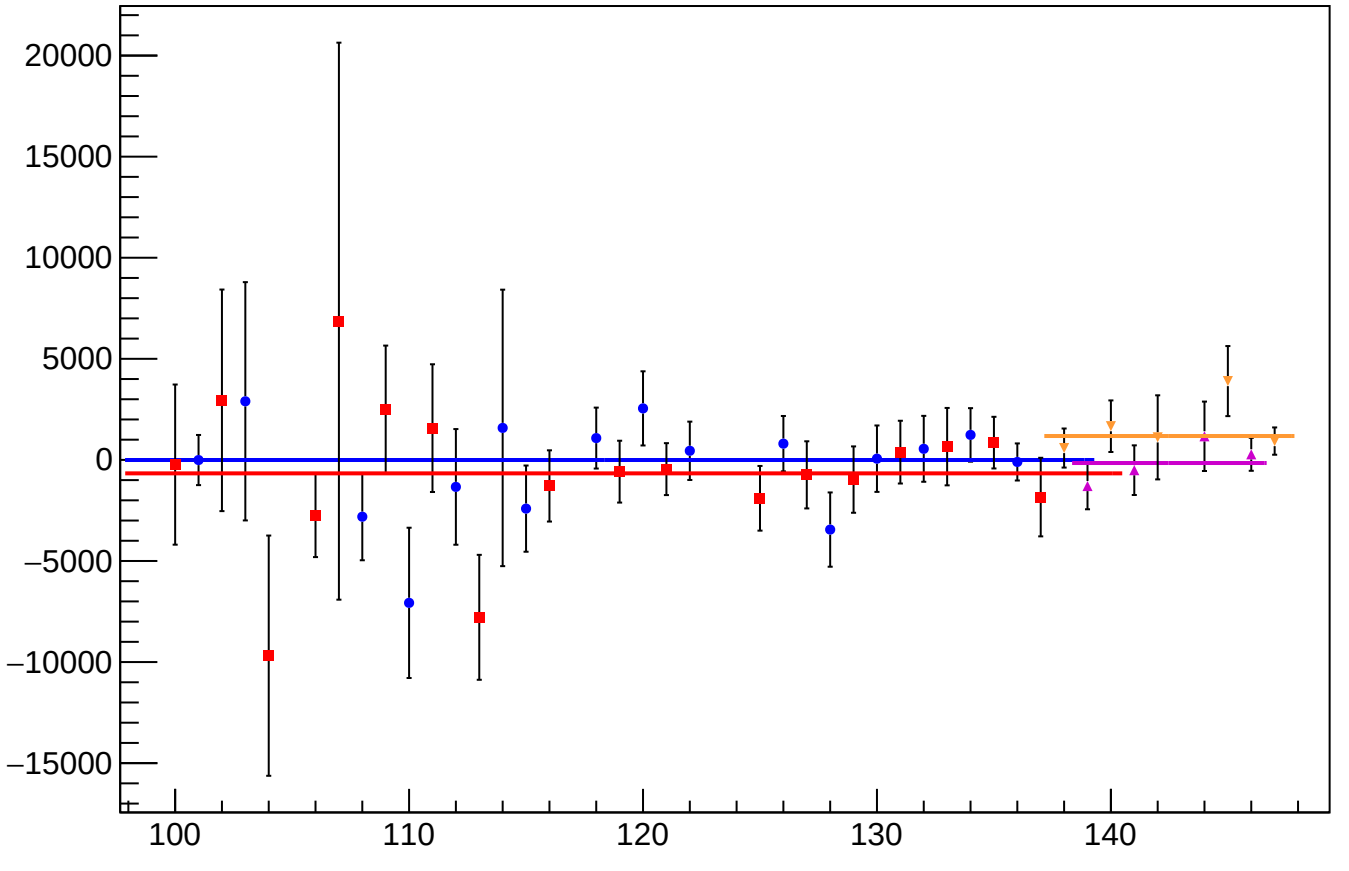
Left: 2387.737+/-0.628 χ^2/NDF: 716.5/8

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2501.216+/-0.542 χ^2/NDF:257129.7/19

Out: 2569.074+/-0.554 χ^2/NDF:486802.9/22

All: 2534.397+/-0.387 χ^2/NDF: 751596.9/42



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 1181.291+/-474.310 χ^2/NDF:3.1/4

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -154.099+/-553.550 χ^2/NDF:1.9/3

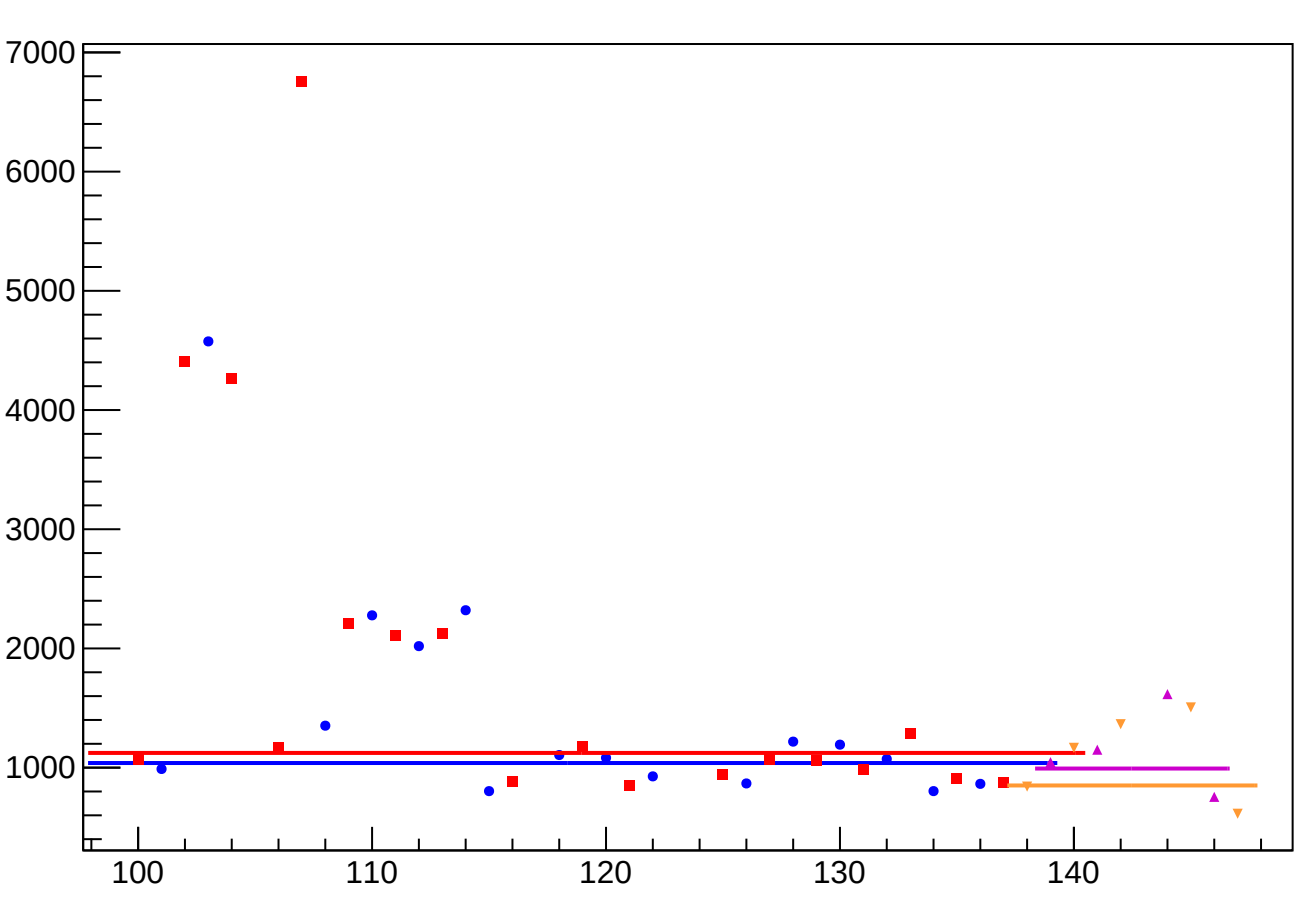
Left: 615.936+/-360.175 χ^2/NDF: 8.4/8

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -58.303+/-330.632 χ^2/NDF:16.5/19

Out: 230.411+/-330.402 χ^2/NDF:25.3/22

All: 86.154+/-233.711 χ^2/NDF: 42.2/42



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 850.524+/-0.335 χ^2/NDF:777412.4/4

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 992.442+/-0.391 χ^2/NDF:471809.2/3

Left: 910.607+/-0.255 χ^2/NDF: 1325026.3/8

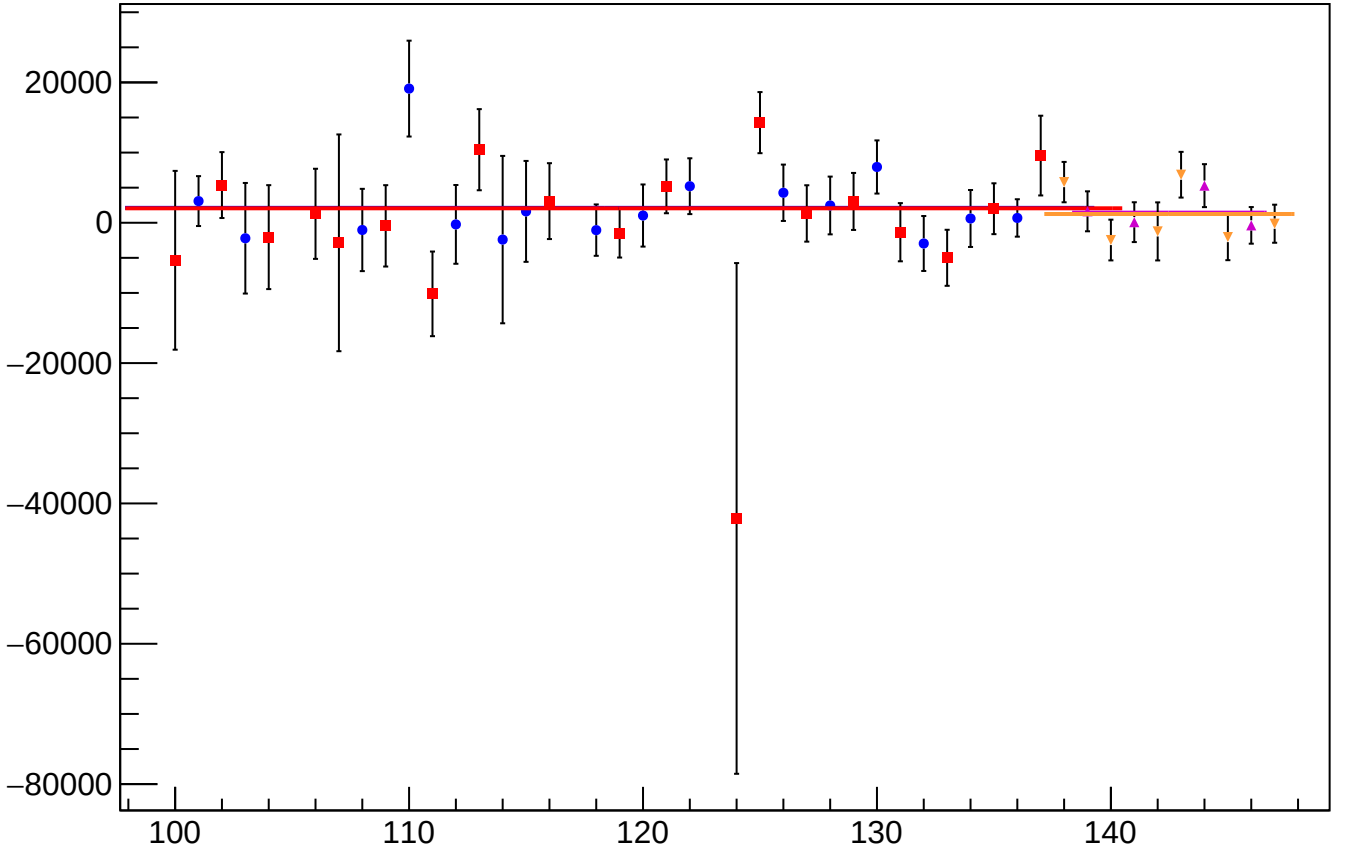
Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 1022.264+/-0.234 χ^2/NDF:2020558.1/19

Out: 991.027+/-0.234 χ^2/NDF:3653860.1/22

All: 1006.634+/-0.165 χ^2/NDF: 5683350.2/42

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1247.552+/-1269.492 χ^2/NDF:8.7/5

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1439.679+/-1412.923 χ^2/NDF:2.3/3

Left: 1333.372+/-944.316 χ^2/NDF: 11.0/9

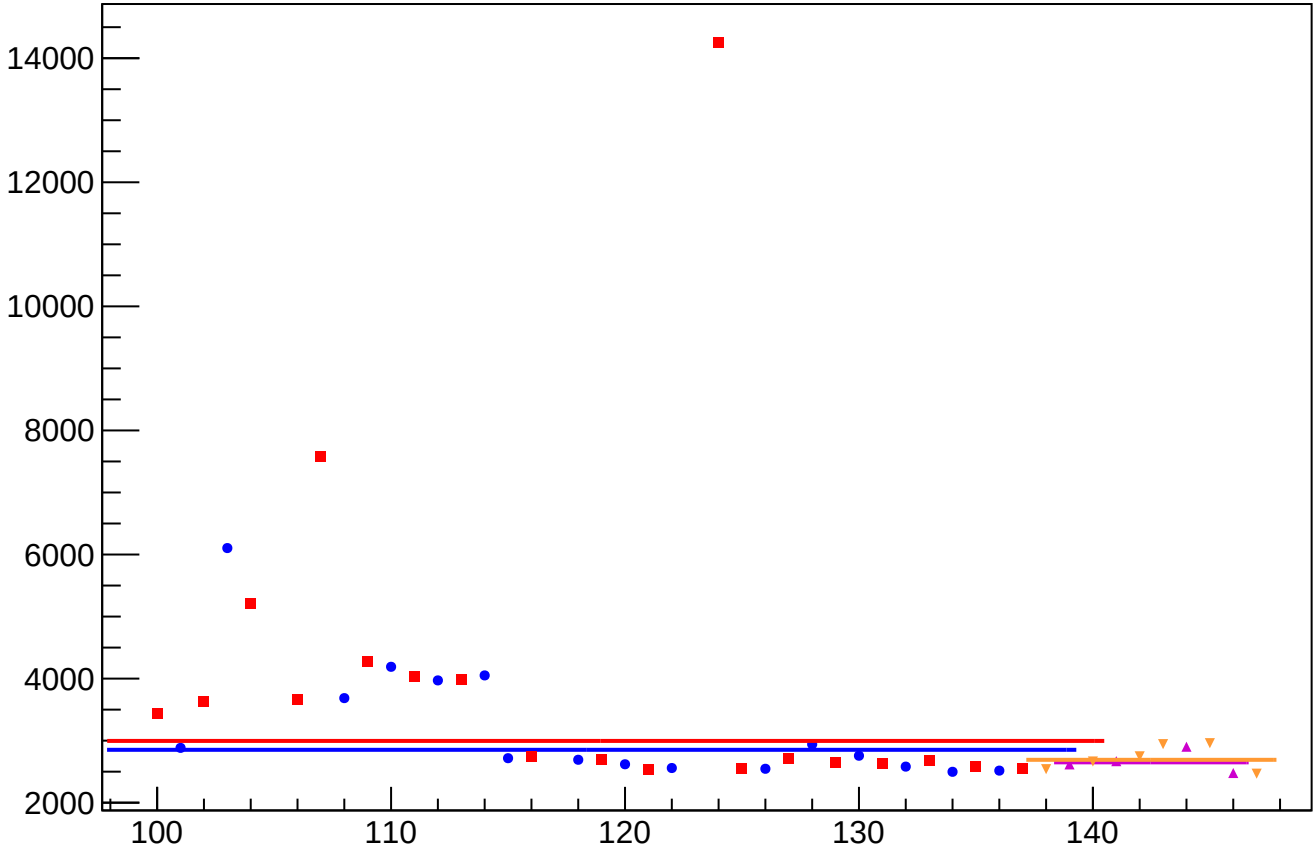
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1868.978+/-860.395 χ^2/NDF:15.8/19

Out: 1698.295+/-846.882 χ^2/NDF:33.3/24

All: 1782.286+/-603.557 χ^2/NDF: 49.1/44

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2690.956+/-0.898 χ^2/NDF:44900.4/5

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2650.230+/-0.999 χ^2/NDF:22568.7/3

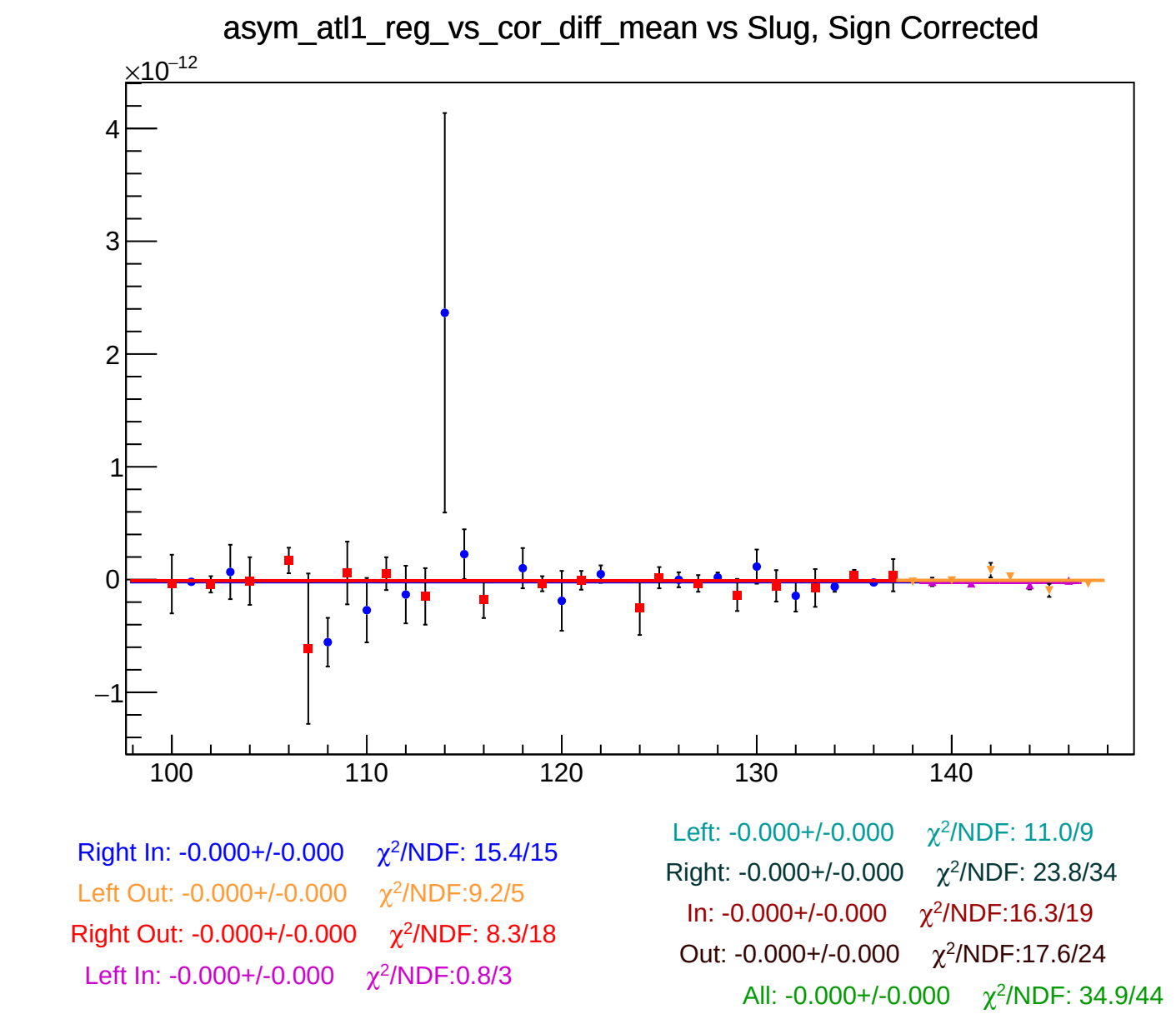
Left: 2672.764+/-0.668 χ^2/NDF: 68388.5/9

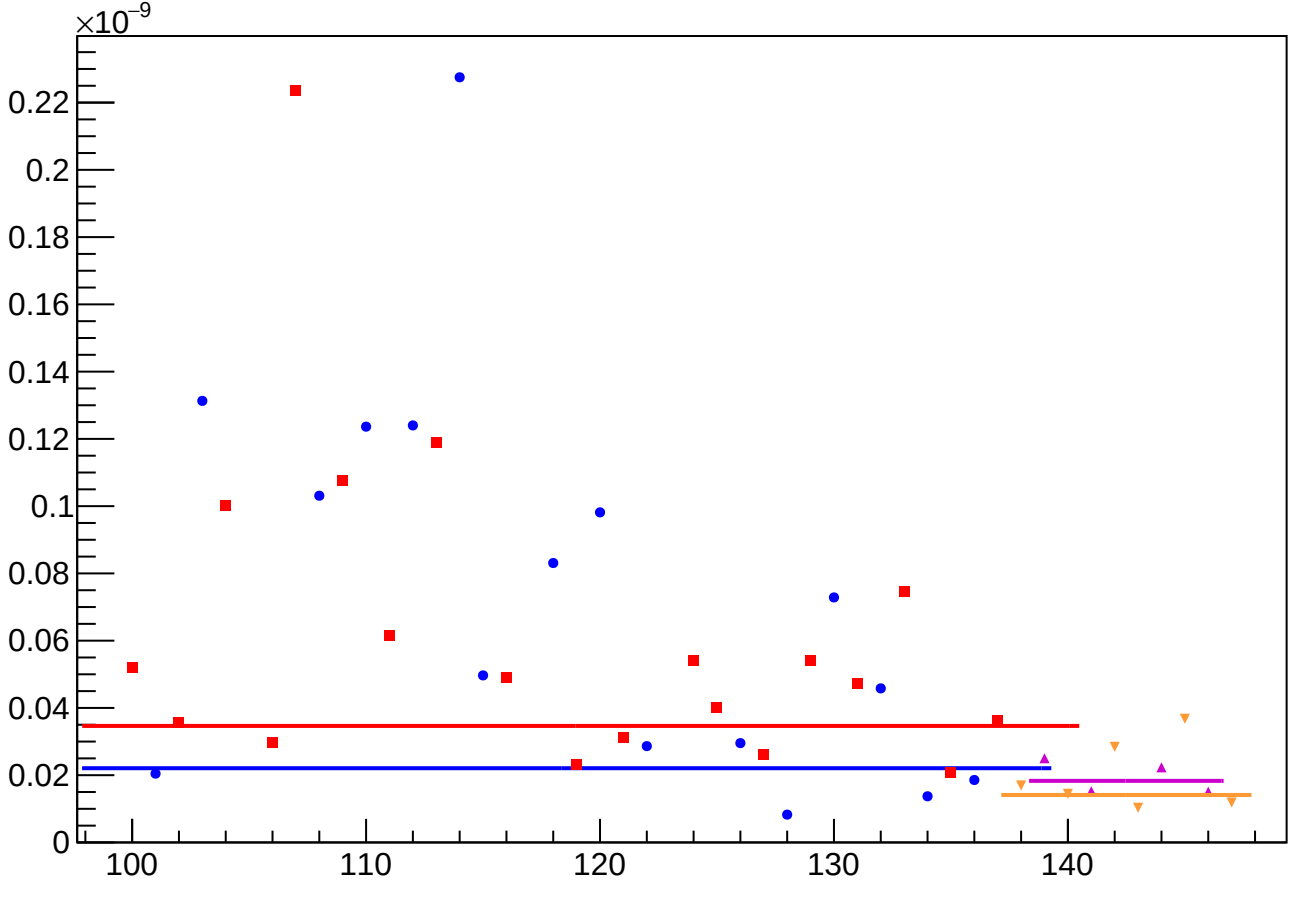
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2777.310+/-0.608 χ^2/NDF:696997.9/19

Out: 2859.984+/-0.599 χ^2/NDF:1087956.4/24

All: 2819.301+/-0.427 χ^2/NDF: 1794333.5/44


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:9.2/5
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:0.8/3
Left: -0.000+/-0.000 χ²/NDF: 11.0/9
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:16.3/19
Out: -0.000+/-0.000 χ²/NDF:17.6/24
All: -0.000+/-0.000 χ²/NDF: 34.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:523934.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:134045.3/3

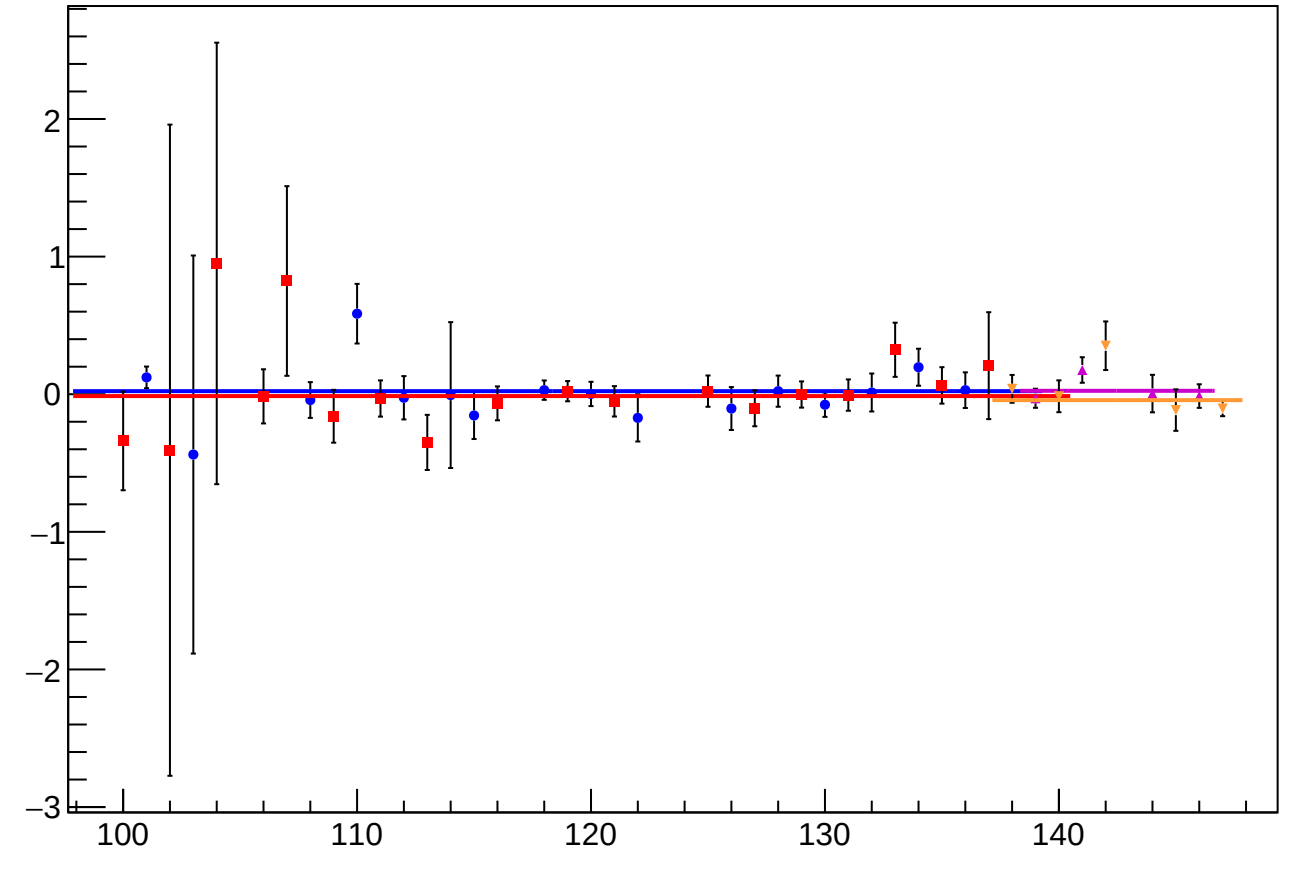
Left: 0.000+/-0.000 χ^2/NDF: 749100.4/9

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2528883.1/19

Out: 0.000+/-0.000 χ^2/NDF:2938662.7/24

All: 0.000+/-0.000 χ^2/NDF: 5518693.8/44



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.025+/-0.044 χ^2/NDF:3.5/3

Left: -0.011+/-0.030 χ^2/NDF: 11.9/8

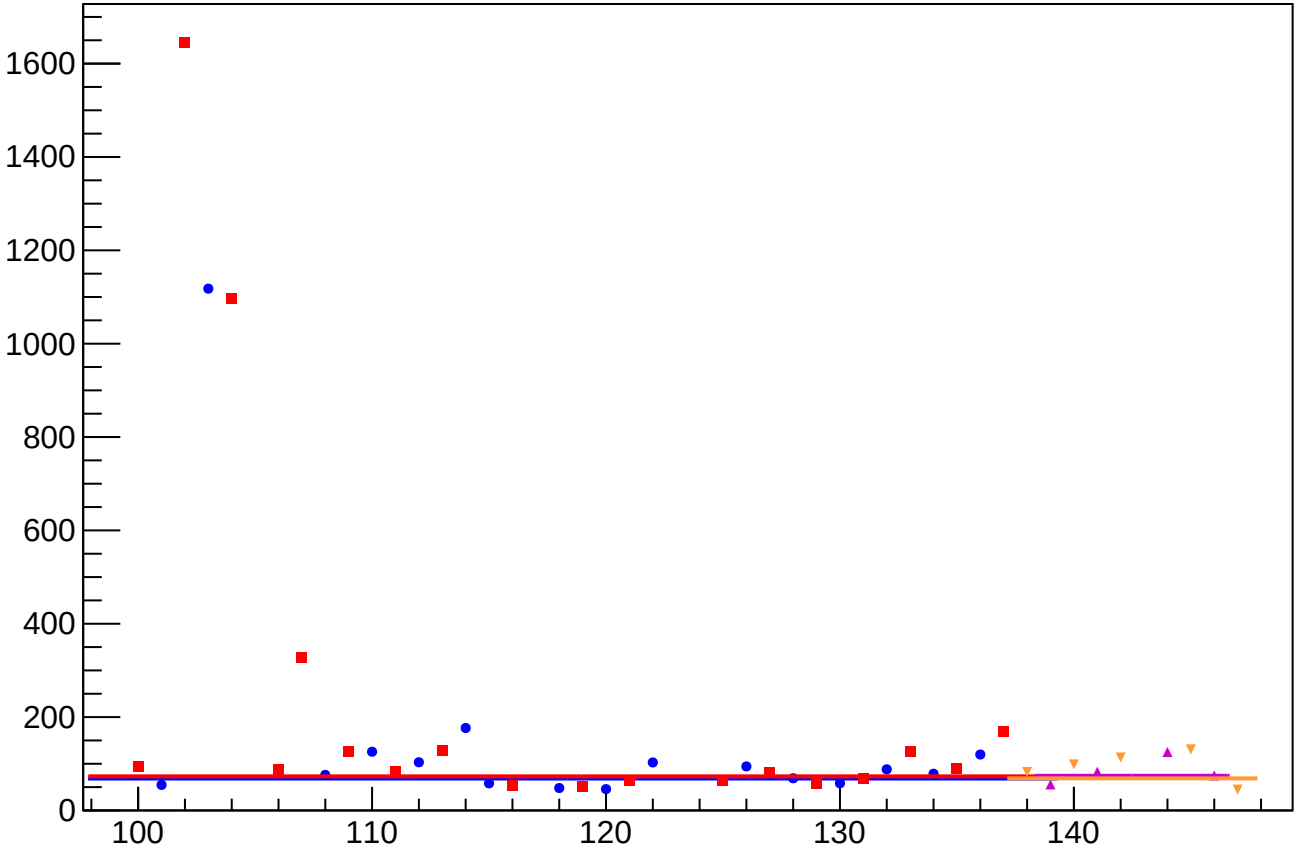
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.023+/-0.025 χ^2/NDF:18.3/19

Out: -0.025+/-0.026 χ^2/NDF:18.3/22

All: 0.000+/-0.018 χ^2/NDF: 38.4/42

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 68.673+/-0.030 χ^2/NDF:1012209.6/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 74.253+/-0.031 χ^2/NDF:439598.8/3

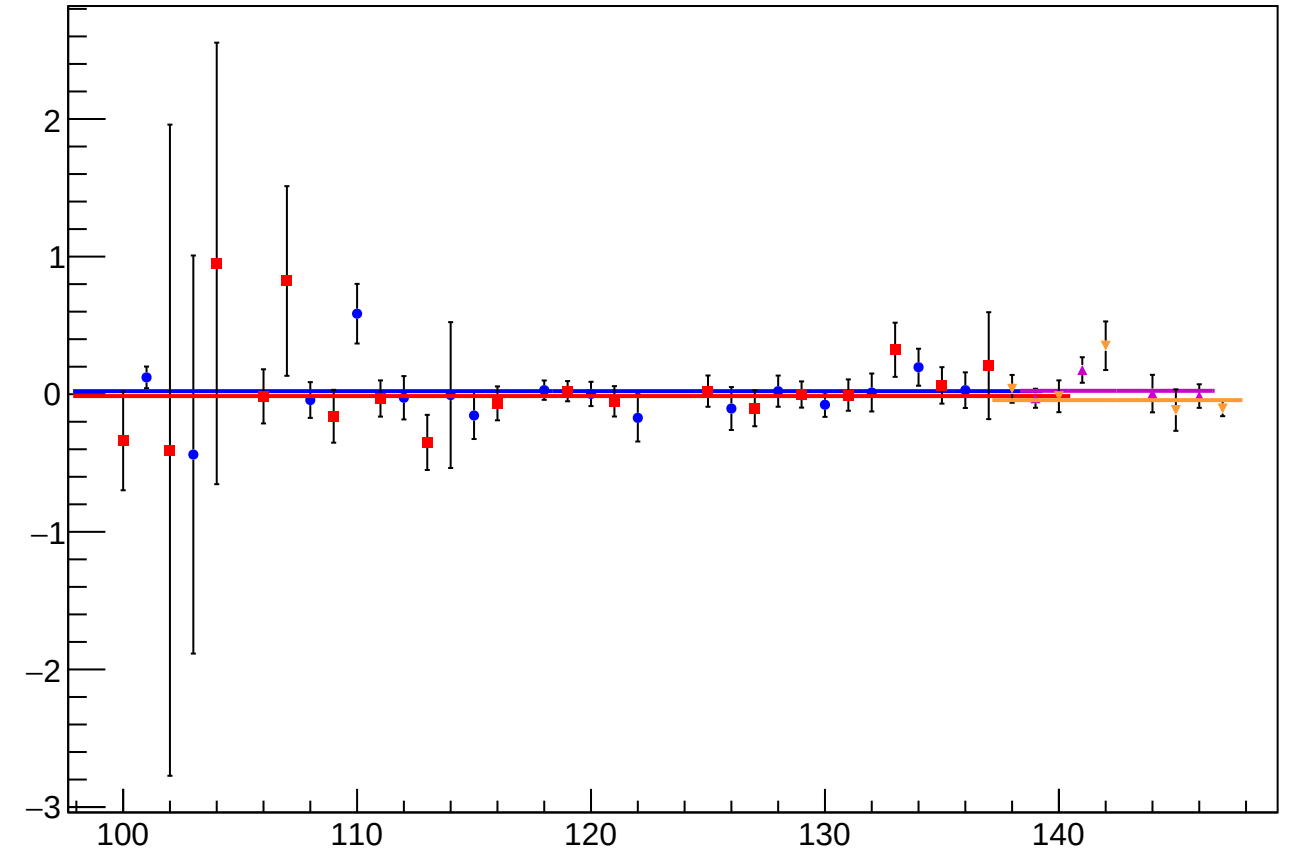
Left: 71.317+/-0.021 χ^2/NDF: 1468673.9/8

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 70.286+/-0.018 χ^2/NDF:2741469.5/19

Out: 71.354+/-0.018 χ^2/NDF:3938841.5/22

All: 70.794+/-0.013 χ^2/NDF: 6682063.9/42



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.025+/-0.044 χ^2/NDF:3.5/3

Left: -0.011+/-0.030 χ^2/NDF: 11.9/8

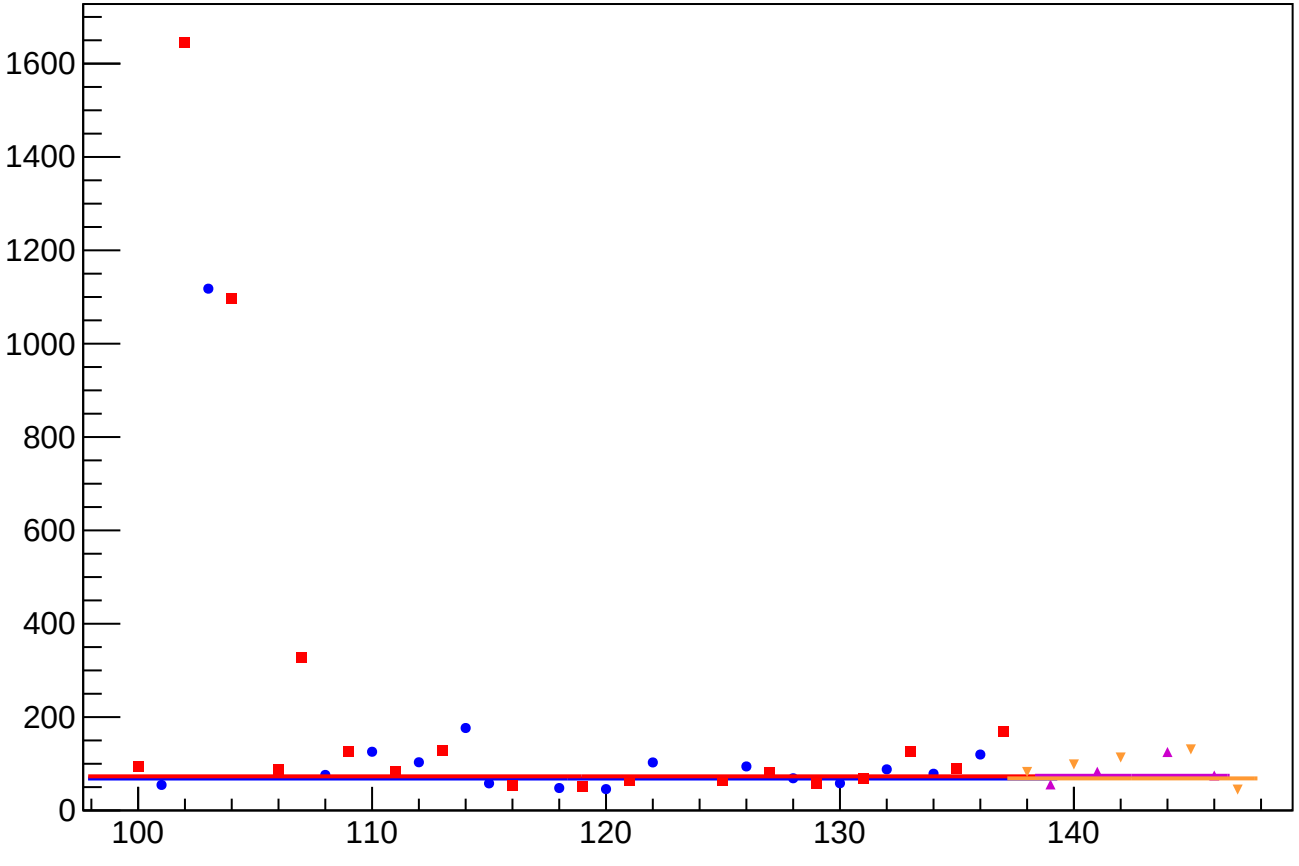
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.023+/-0.025 χ^2/NDF:18.3/19

Out: -0.025+/-0.026 χ^2/NDF:18.3/22

All: 0.000+/-0.018 χ^2/NDF: 38.4/42

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 68.673+/-0.030 χ^2/NDF:1012209.6/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 74.253+/-0.031 χ^2/NDF:439598.8/3

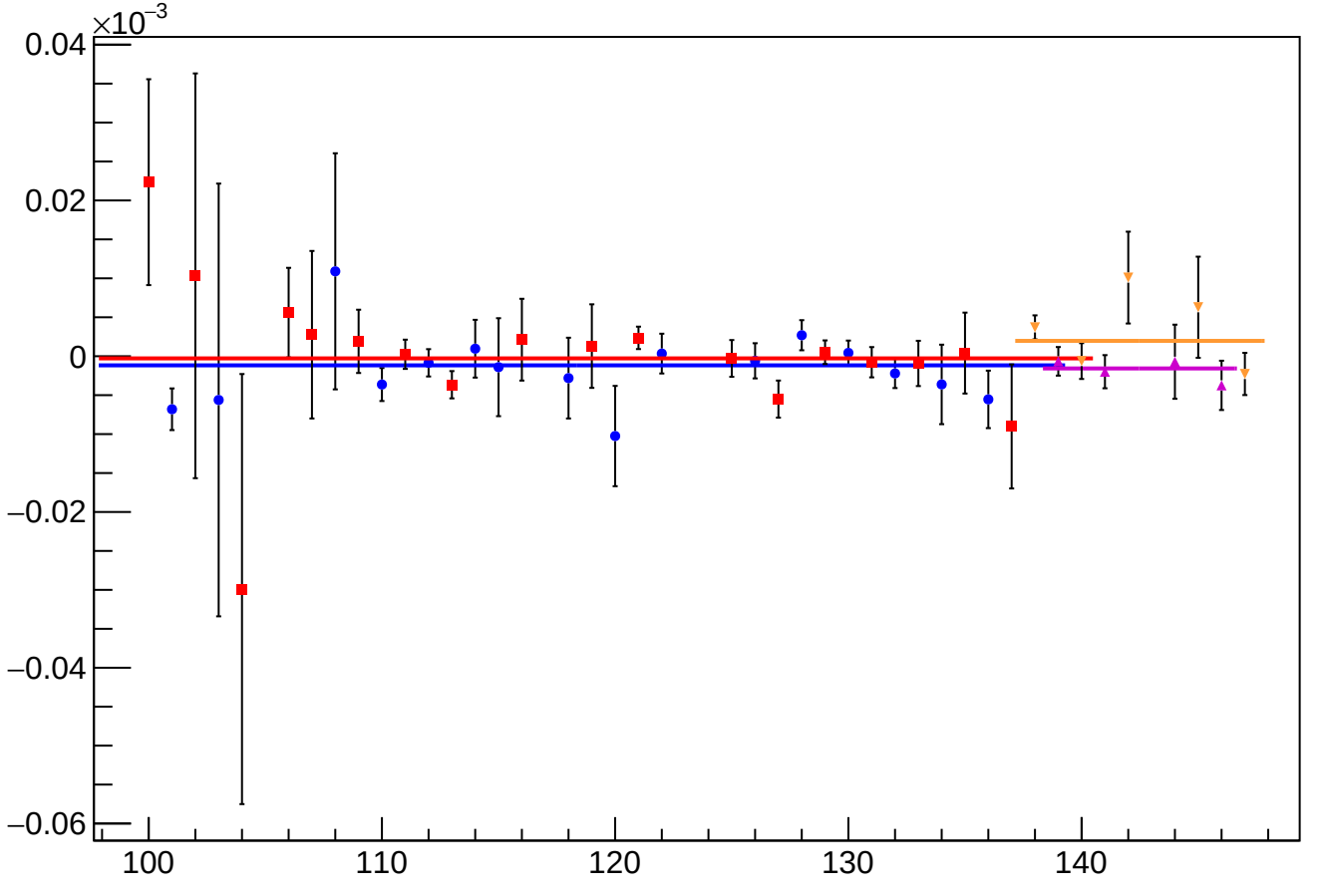
Left: 71.317+/-0.021 χ^2/NDF: 1468673.9/8

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 70.286+/-0.018 χ^2/NDF:2741469.5/19

Out: 71.354+/-0.018 χ^2/NDF:3938841.5/22

All: 70.794+/-0.013 χ^2/NDF: 6682063.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:0.8/3

Left: 0.000+/-0.000 χ^2/NDF: 12.7/8

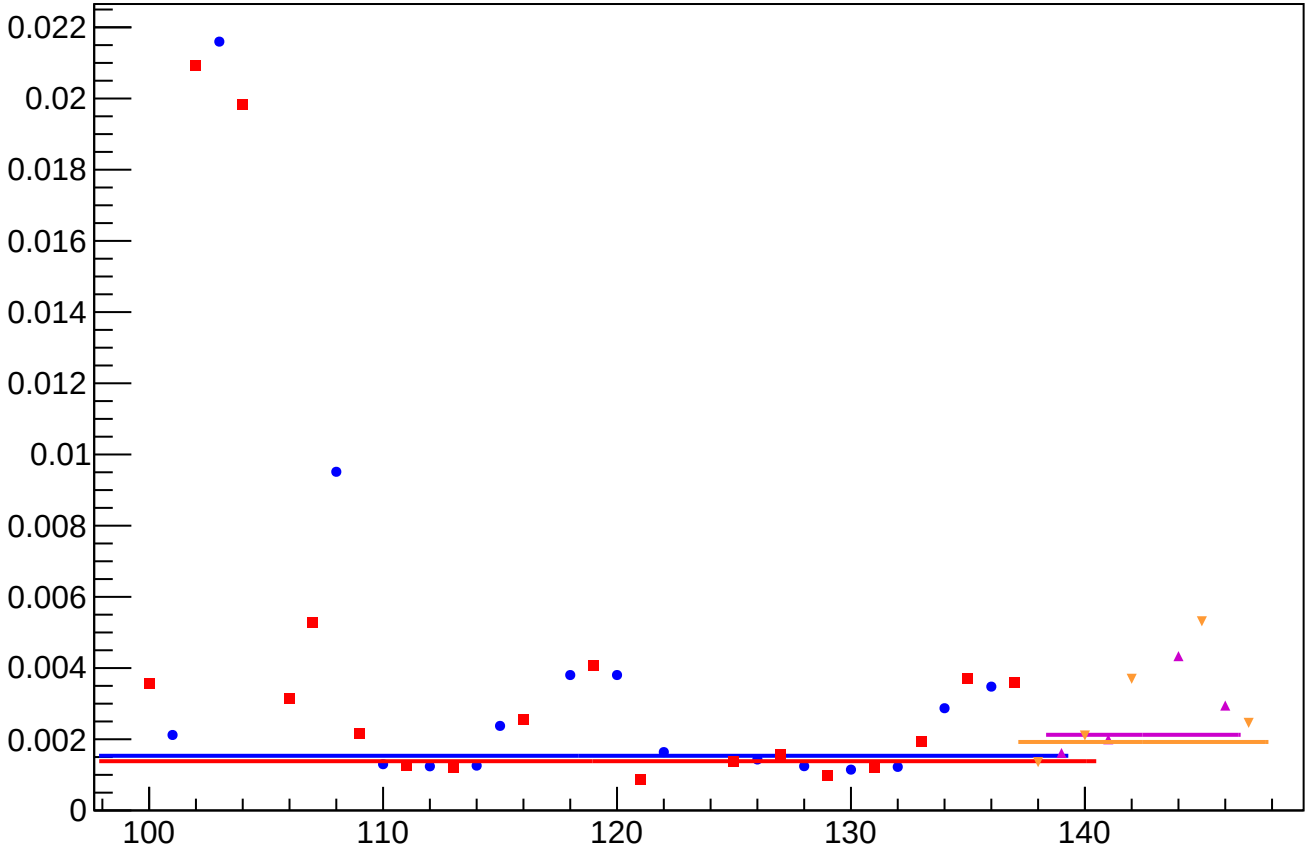
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:17.2/19

Out: 0.000+/-0.000 χ^2/NDF:29.9/22

All: -0.000+/-0.000 χ^2/NDF: 50.7/42

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1088777.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:728391.1/3

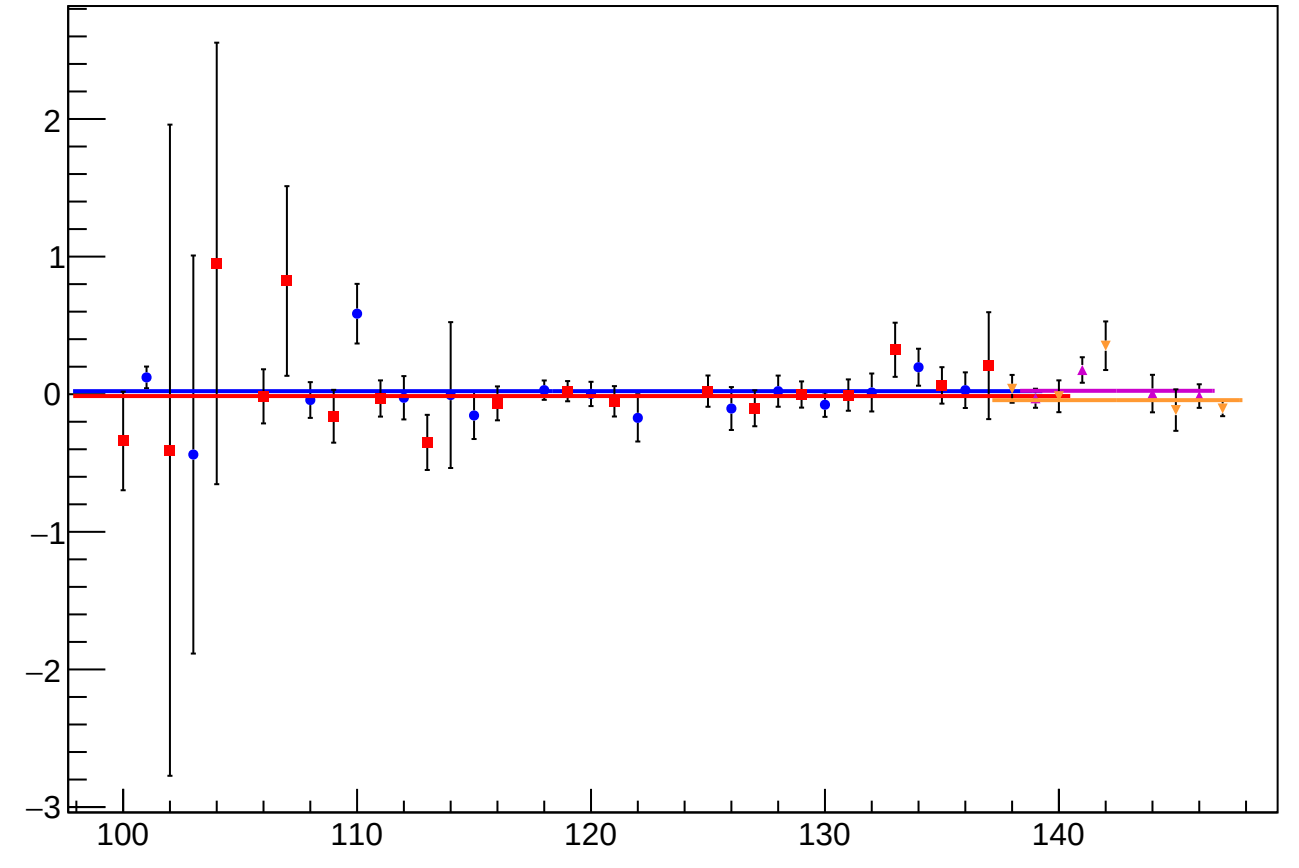
Left: 0.002+/-0.000 χ^2/NDF: 1846489.3/8

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:4458248.8/19

Out: 0.002+/-0.000 χ^2/NDF:5711144.4/22

All: 0.002+/-0.000 χ^2/NDF: 10243080.3/42



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.025+/-0.044 χ^2/NDF:3.5/3

Left: -0.011+/-0.030 χ^2/NDF: 11.9/8

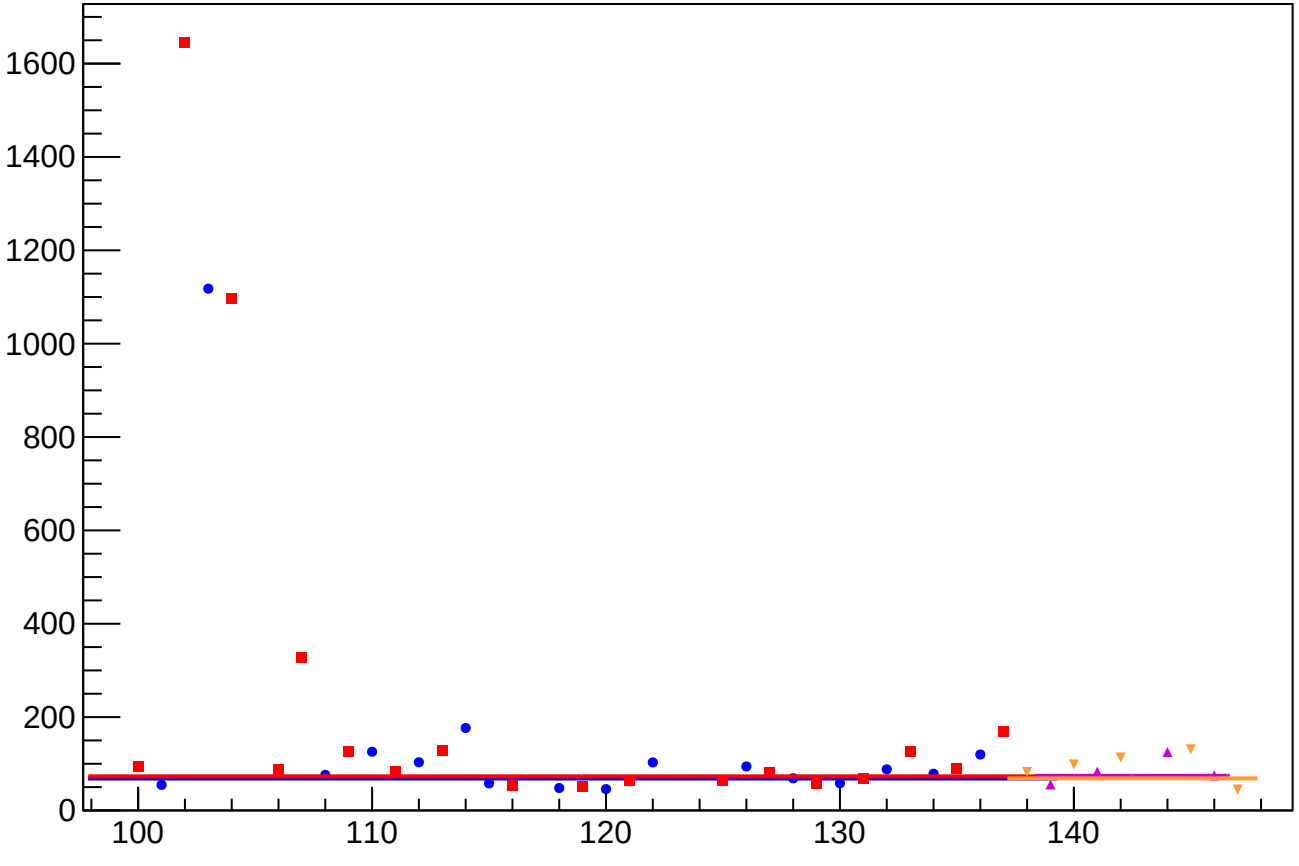
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.023+/-0.025 χ^2/NDF:18.3/19

Out: -0.025+/-0.026 χ^2/NDF:18.3/22

All: 0.000+/-0.018 χ^2/NDF: 38.4/42

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 68.676+/-0.030 χ^2/NDF:1012089.0/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 74.253+/-0.031 χ^2/NDF:439597.5/3

Left: 71.319+/-0.021 χ^2/NDF: 1468537.7/8

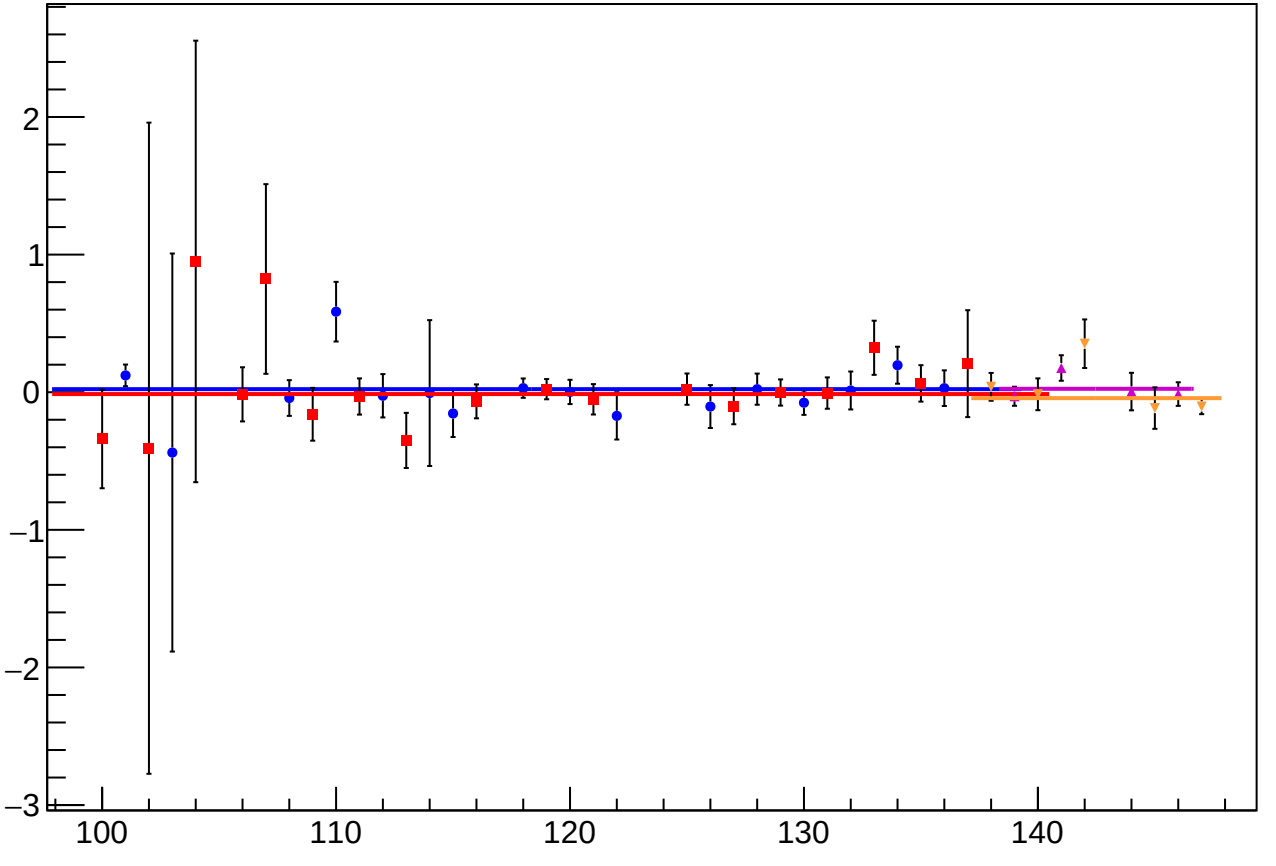
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 70.285+/-0.018 χ^2/NDF:2741562.1/19

Out: 71.355+/-0.018 χ^2/NDF:3938716.8/22

All: 70.794+/-0.013 χ^2/NDF: 6682036.1/42

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: -0.043+/-0.042 χ^2/NDF:7.2/4

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.025+/-0.044 χ^2/NDF:3.5/3

Left: -0.011+/-0.030 χ^2/NDF: 11.9/8

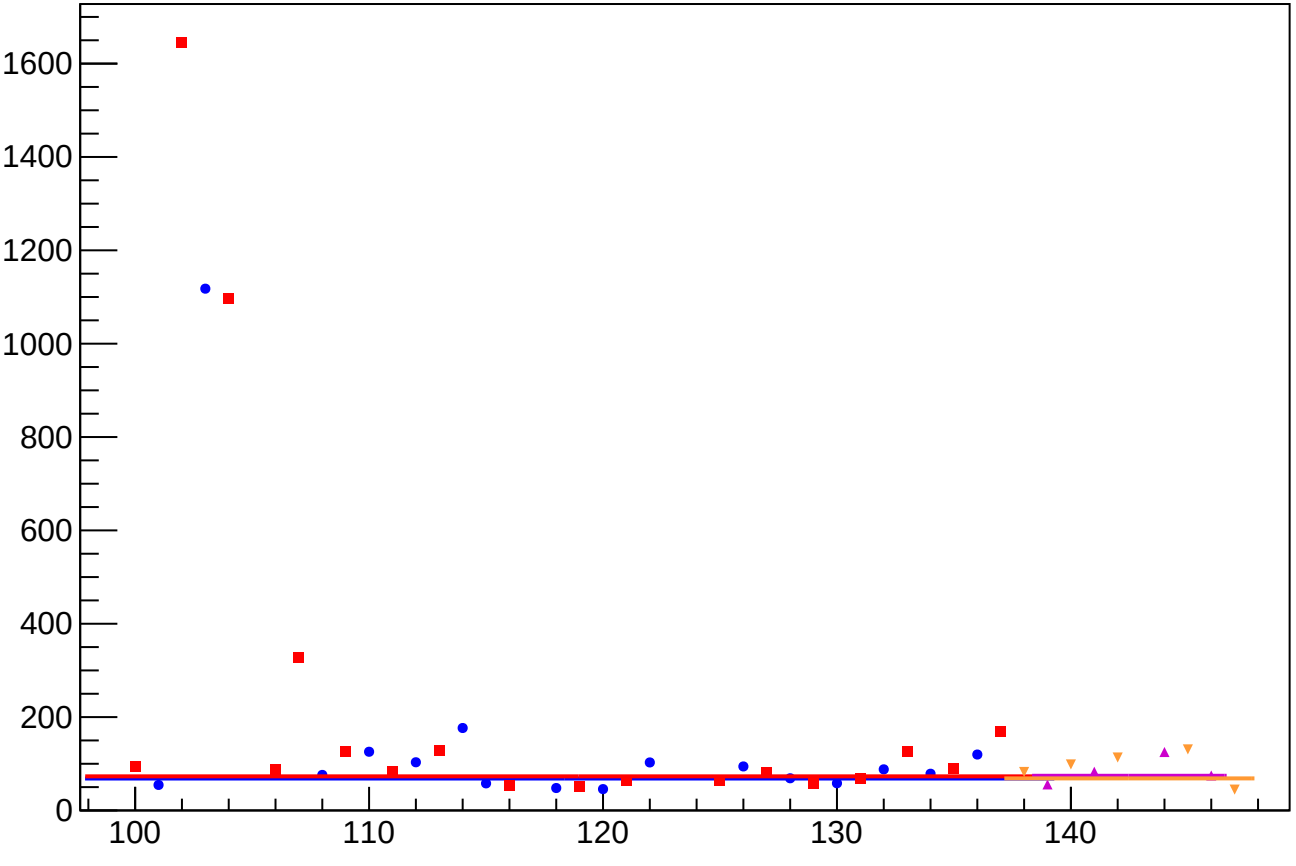
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.023+/-0.025 χ^2/NDF:18.3/19

Out: -0.025+/-0.026 χ^2/NDF:18.3/22

All: 0.000+/-0.018 χ^2/NDF: 38.4/42

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: 68.676+/-0.030 χ^2/NDF:1012089.0/4

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 74.253+/-0.031 χ^2/NDF:439597.5/3

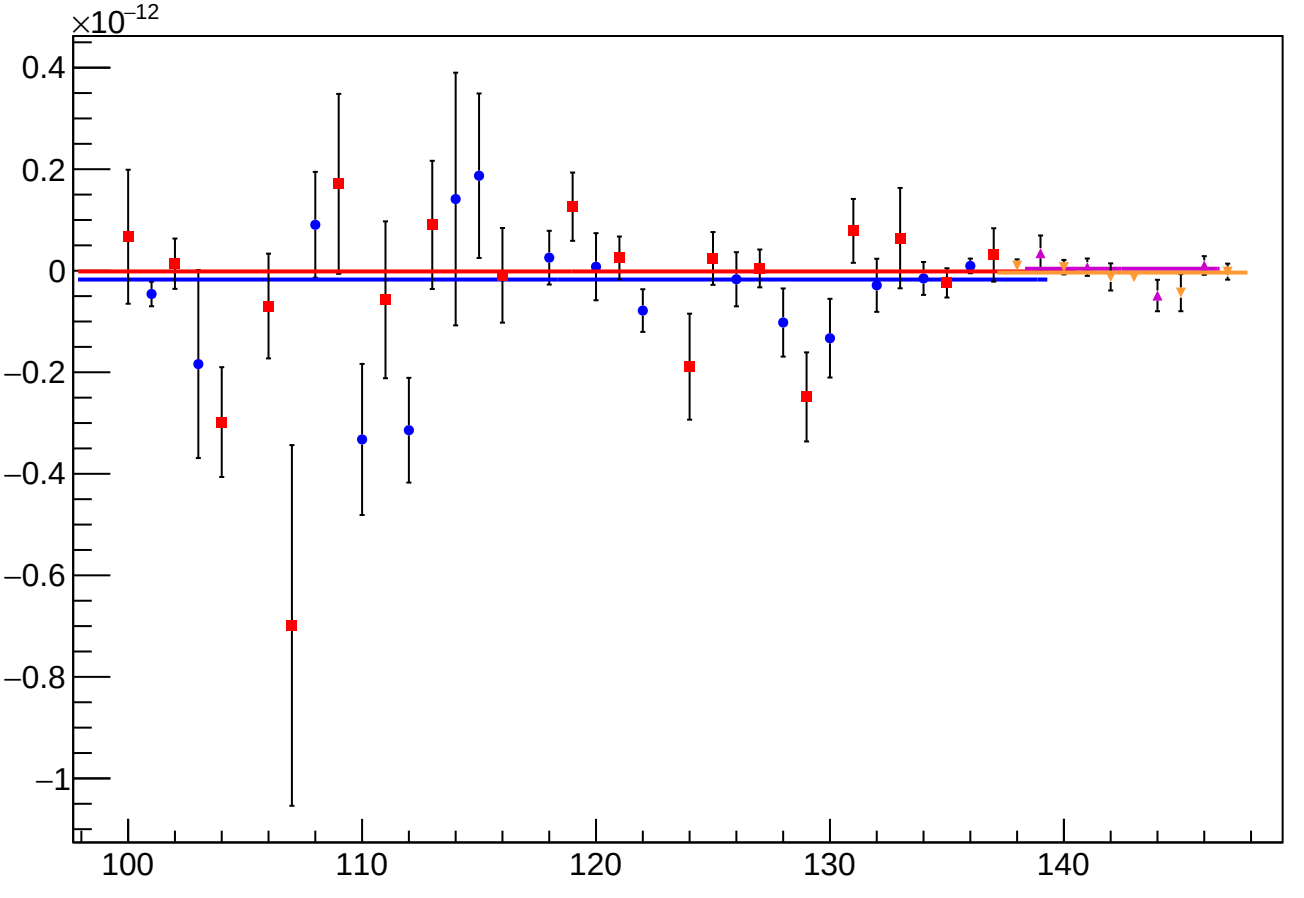
Left: 71.319+/-0.021 χ^2/NDF: 1468537.7/8

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 70.285+/-0.018 χ^2/NDF:2741562.1/19

Out: 71.355+/-0.018 χ^2/NDF:3938716.8/22

All: 70.794+/-0.013 χ^2/NDF: 6682036.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/3

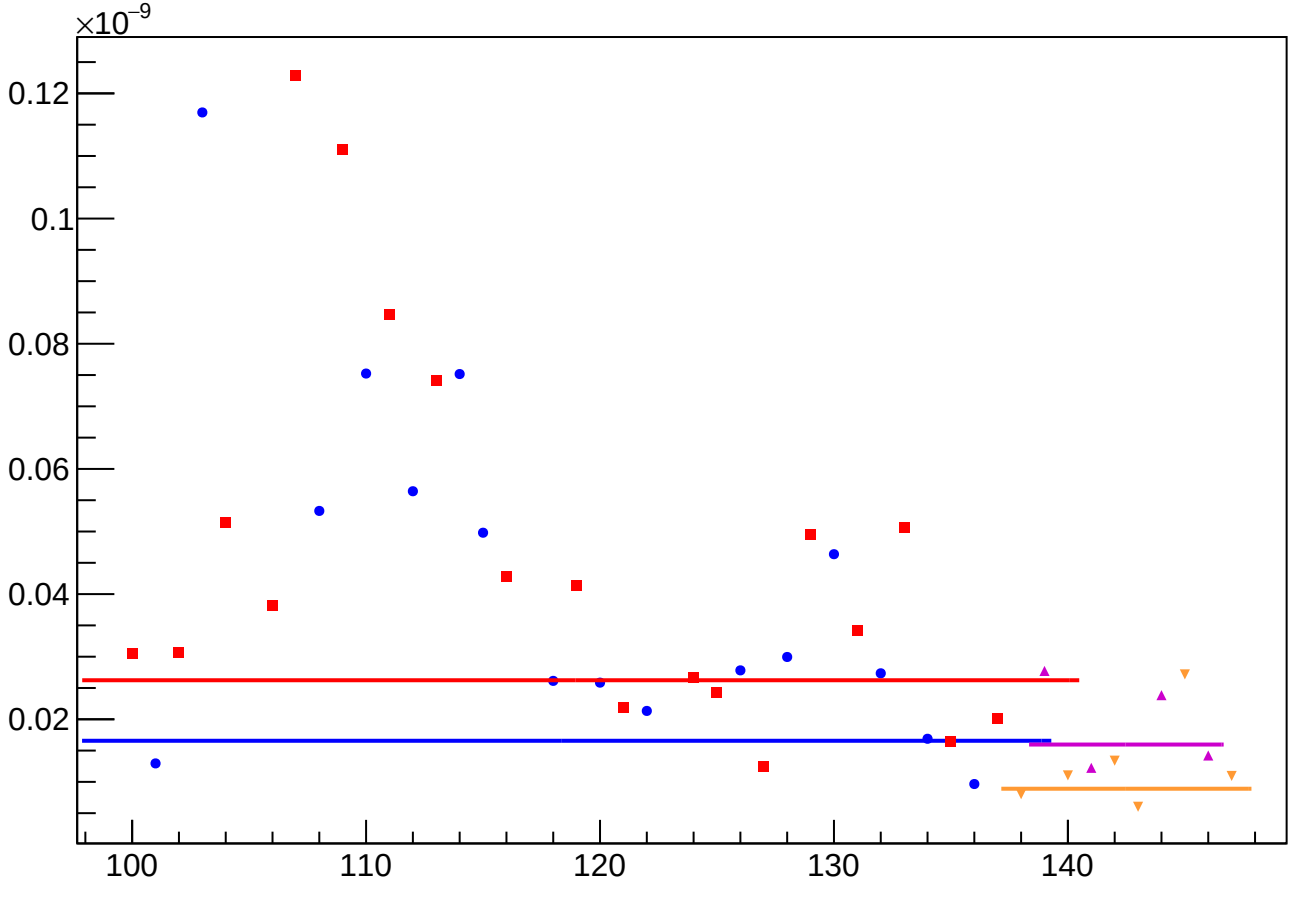
Left: -0.000+/-0.000 χ^2/NDF: 8.1/9

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:34.1/19

Out: -0.000+/-0.000 χ^2/NDF:36.2/24

All: -0.000+/-0.000 χ^2/NDF: 70.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:832824.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:470072.9/3

Left: 0.000+/-0.000 χ^2/NDF: 1942565.0/9

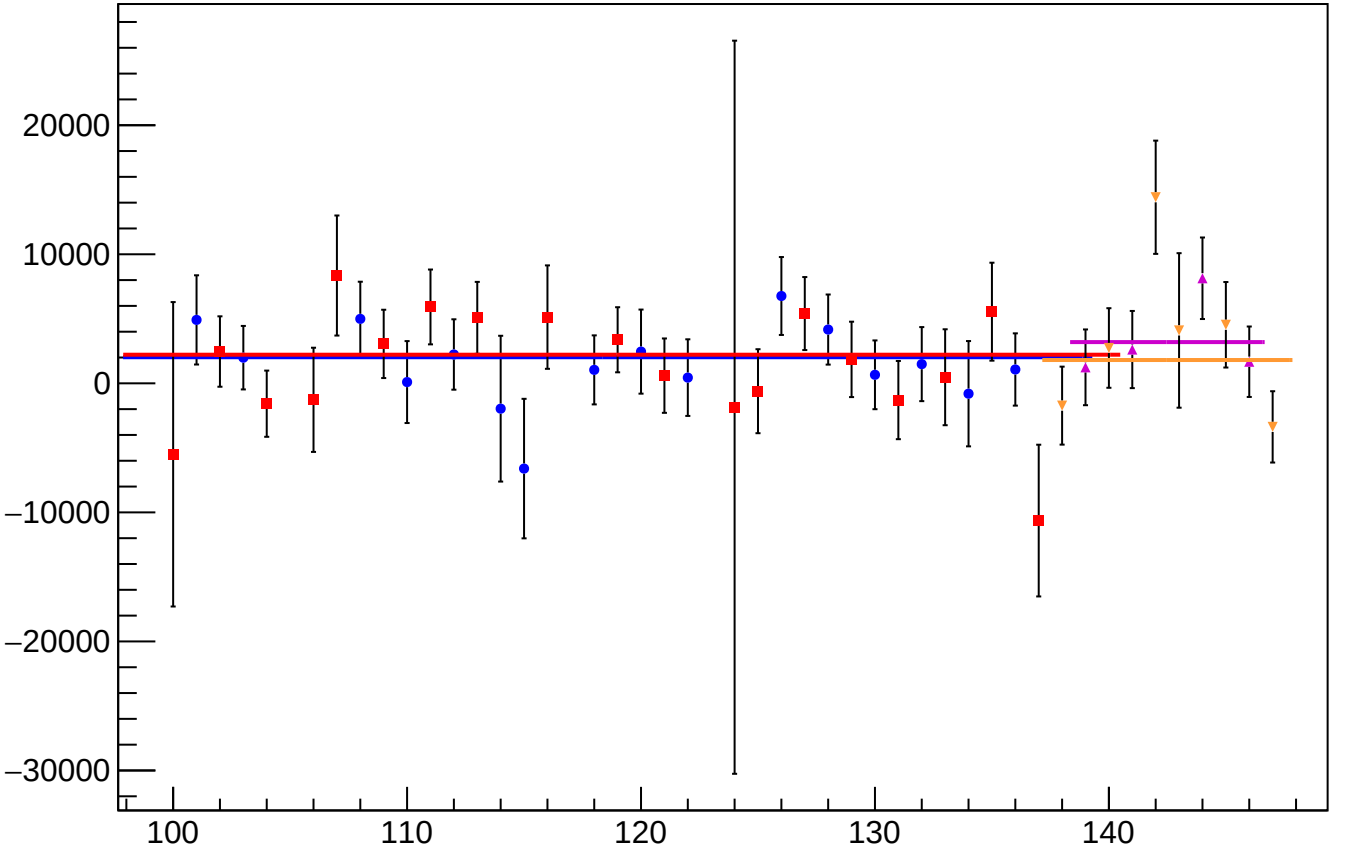
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3296778.1/19

Out: 0.000+/-0.000 χ^2/NDF:5704921.4/24

All: 0.000+/-0.000 χ^2/NDF: 9564360.2/44

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 1805.992+/-1391.116 χ^2/NDF:14.1/5

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 3194.912+/-1470.622 χ^2/NDF:3.2/3

Left: 2461.894+/-1010.606 χ^2/NDF: 17.8/9

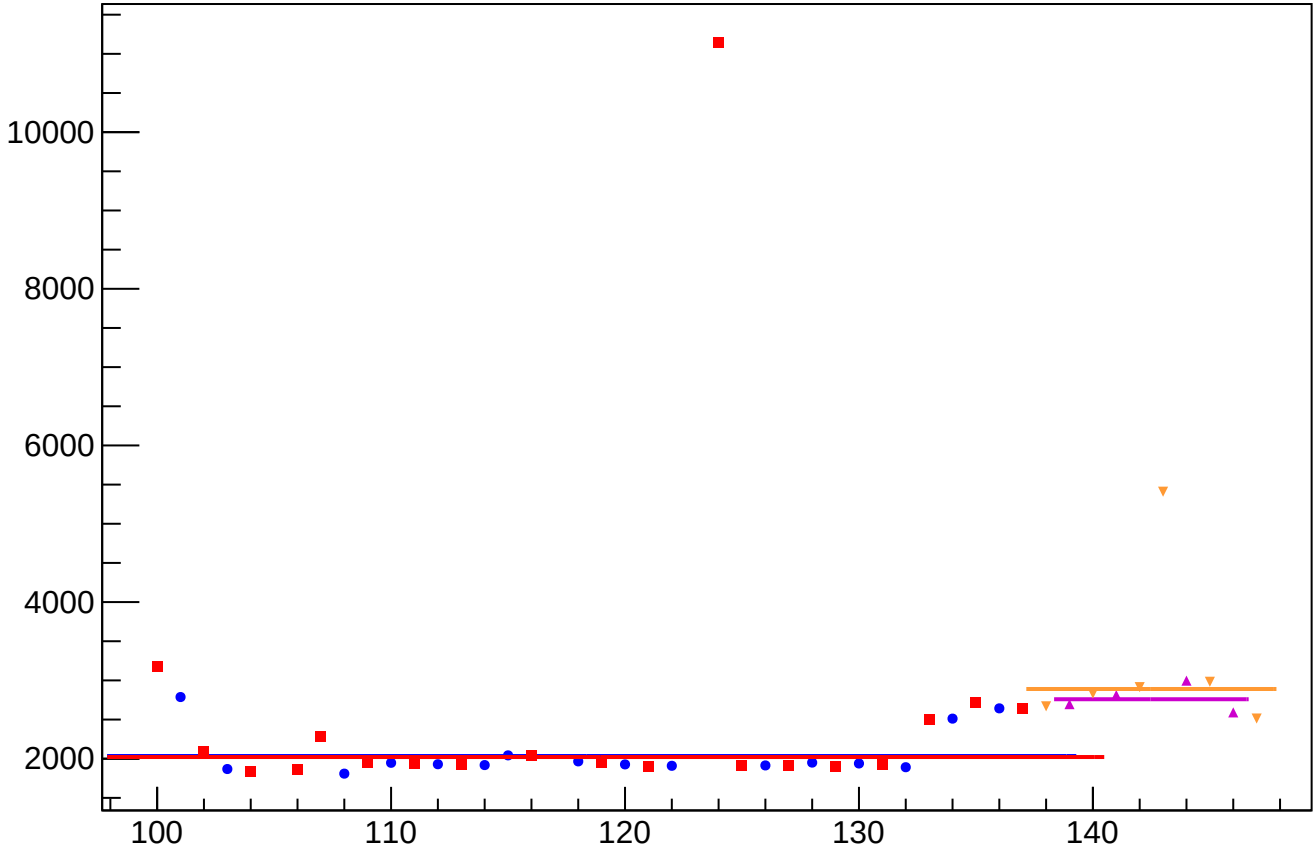
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2272.005+/-678.219 χ^2/NDF:13.3/19

Out: 2123.465+/-664.343 χ^2/NDF:32.3/24

All: 2196.200+/-474.591 χ^2/NDF: 45.6/44

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2890.237+/-0.984 χ^2/NDF:404390.8/5

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

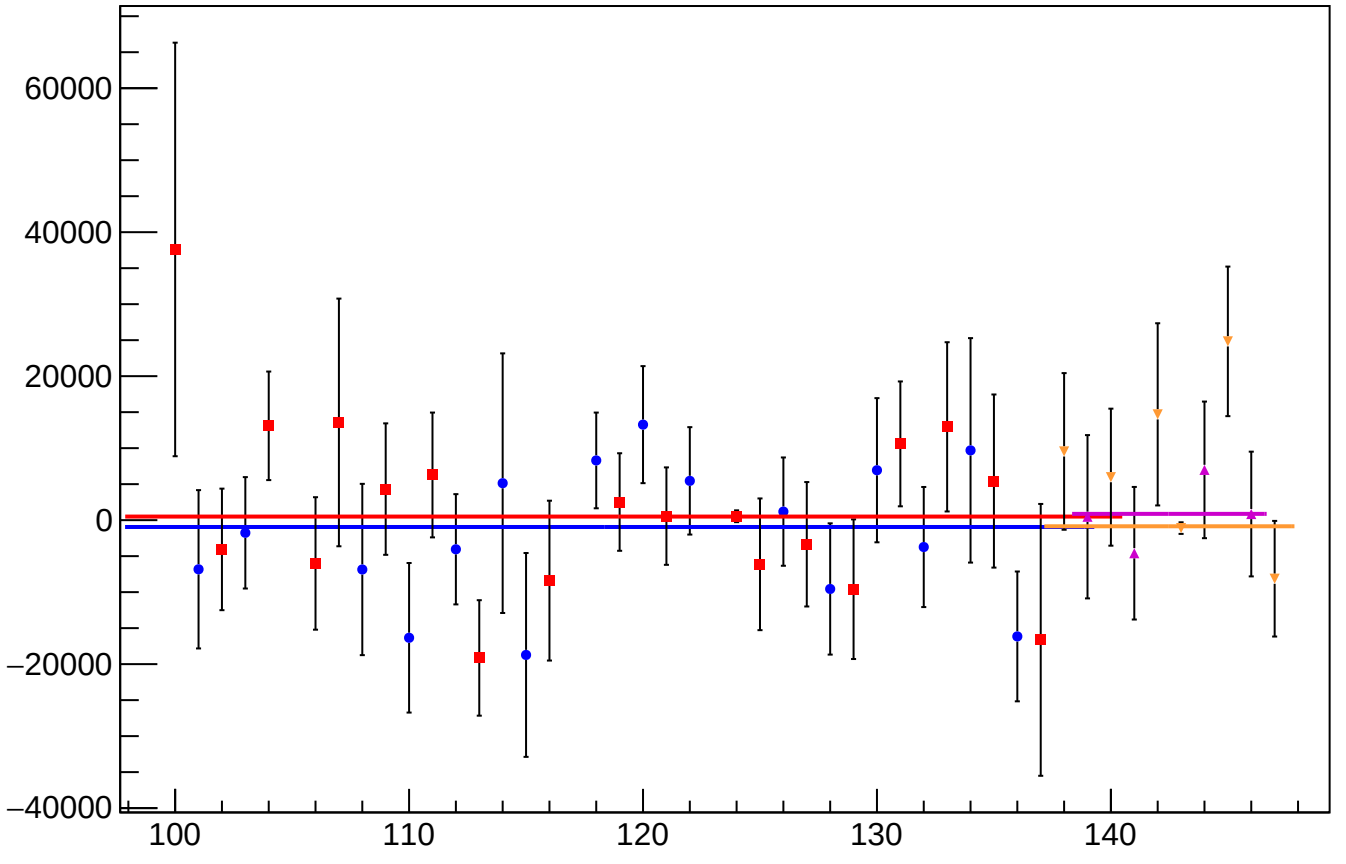
Left: 2828.449+/-0.715 χ^2/NDF: 433161.4/9

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2188.407+/-0.480 χ^2/NDF:666322.1/19

Out: 2219.663+/-0.470 χ^2/NDF:1396738.9/24

All: 2204.358+/-0.336 χ^2/NDF: 2065228.7/44



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -852.192+/-794.191 χ^2/NDF:10.0/5

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 871.797+/-4767.472 χ^2/NDF:0.8/3

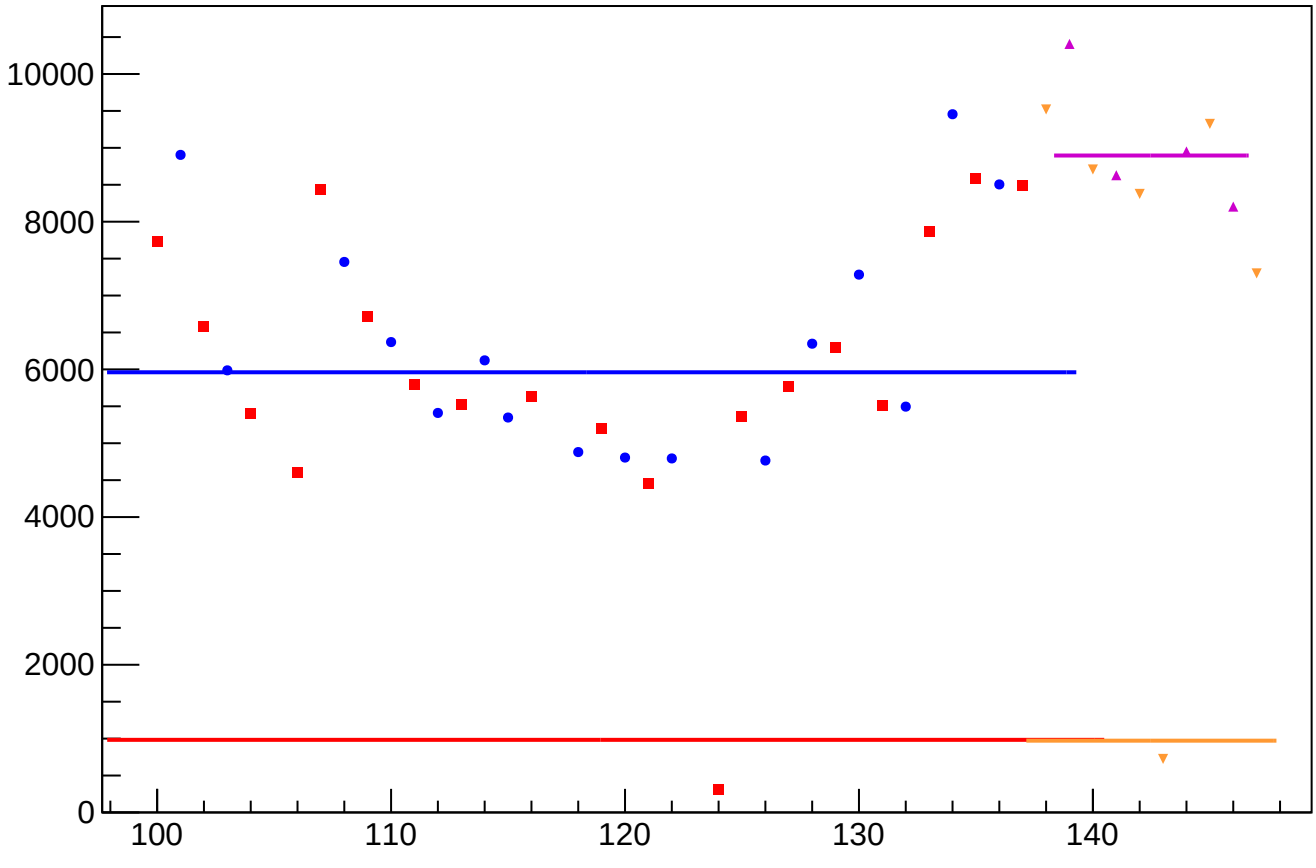
Left: -805.642+/-783.395 χ^2/NDF: 10.9/9

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -611.667+/-2055.804 χ^2/NDF:16.2/19

Out: -155.055+/-552.191 χ^2/NDF:29.9/24

All: -185.782+/-533.289 χ^2/NDF: 46.2/44



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 972.128+/-0.562 χ^2/NDF:5962851.6/5

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8896.149+/-3.371 χ^2/NDF:50009.5/3

Left: 1186.087+/-0.554 χ^2/NDF: 11388834.9/9

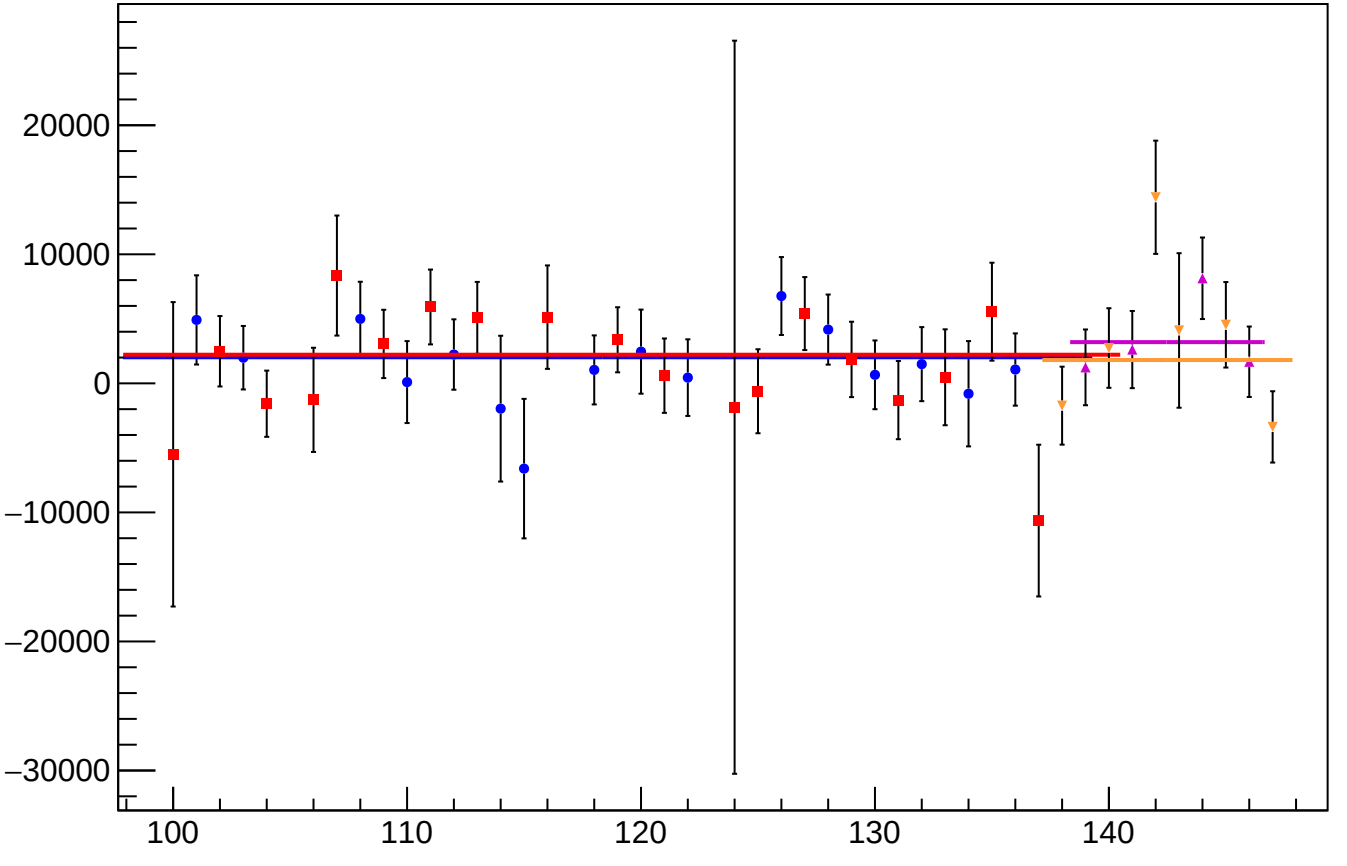
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6506.618+/-1.454 χ^2/NDF:1356476.9/19

Out: 977.908+/-0.390 χ^2/NDF:17379746.4/24

All: 1349.944+/-0.377 χ^2/NDF: 32227721.3/4

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 1806.338+/-1391.116 χ^2/NDF:14.1/5

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3195.013+/-1470.622 χ^2/NDF:3.2/3

Left: 2462.124+/-1010.606 χ^2/NDF: 17.8/9

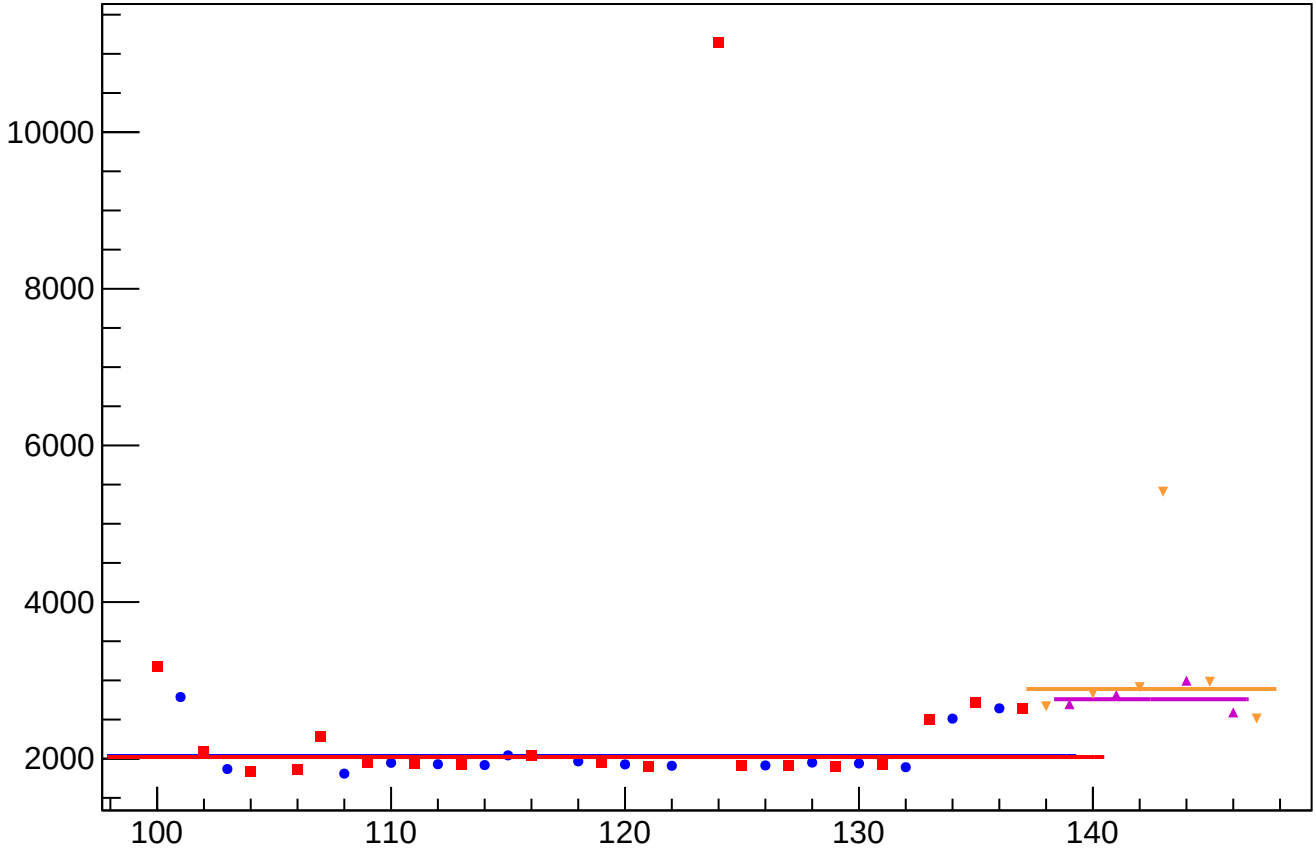
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2272.126+/-678.219 χ^2/NDF:13.4/19

Out: 2124.962+/-664.348 χ^2/NDF:32.3/24

All: 2197.023+/-474.593 χ^2/NDF: 45.6/44

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2890.237+/-0.984 χ^2/NDF:404390.8/5

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

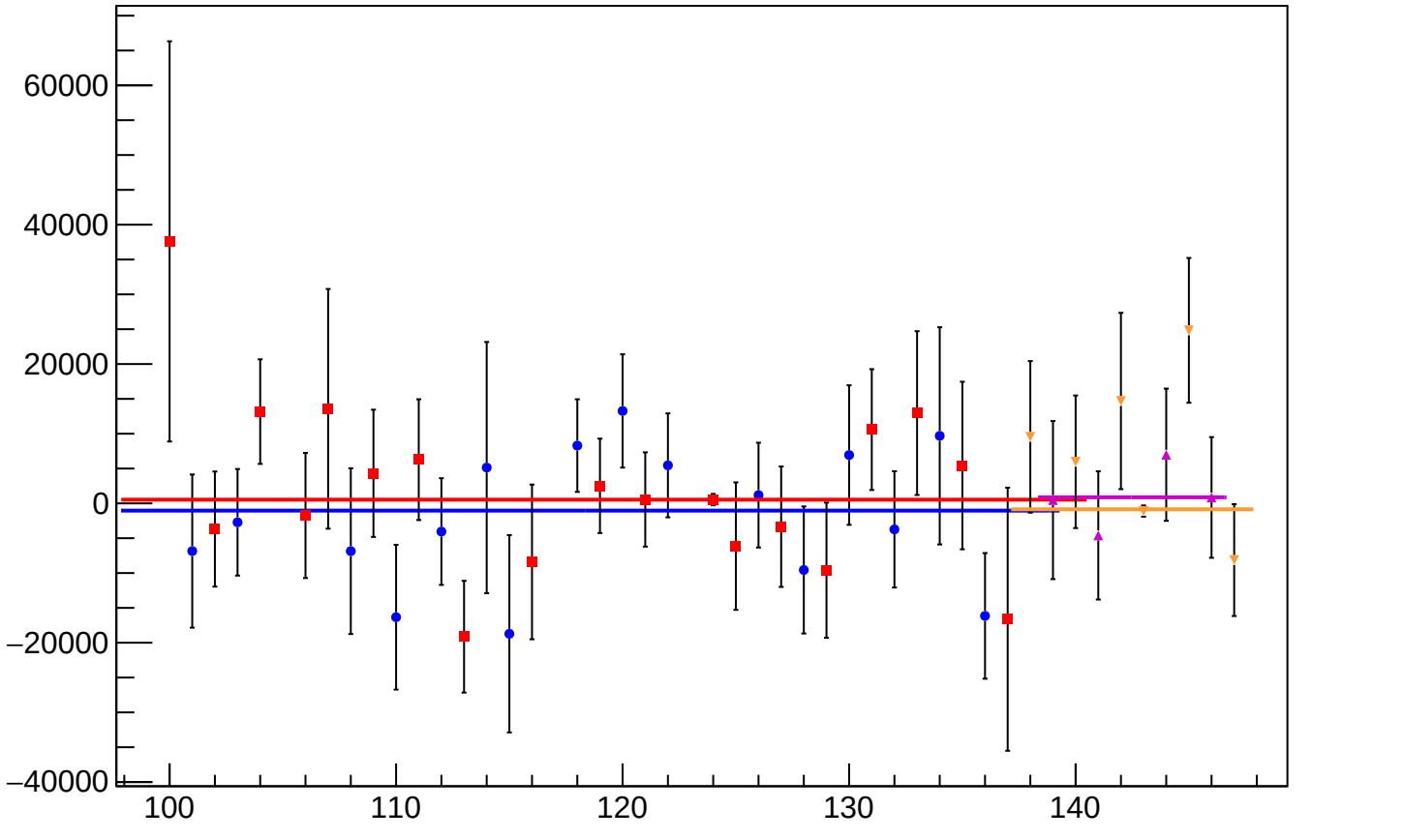
Left: 2828.449+/-0.715 χ^2/NDF: 433161.4/9

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2188.407+/-0.480 χ^2/NDF:666322.0/19

Out: 2219.682+/-0.470 χ^2/NDF:1396718.0/24

All: 2204.368+/-0.336 χ^2/NDF: 2065210.5/44



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -851.980+/-794.116 χ^2/NDF:10.0/5

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 871.806+/-4767.466 χ^2/NDF:0.8/3

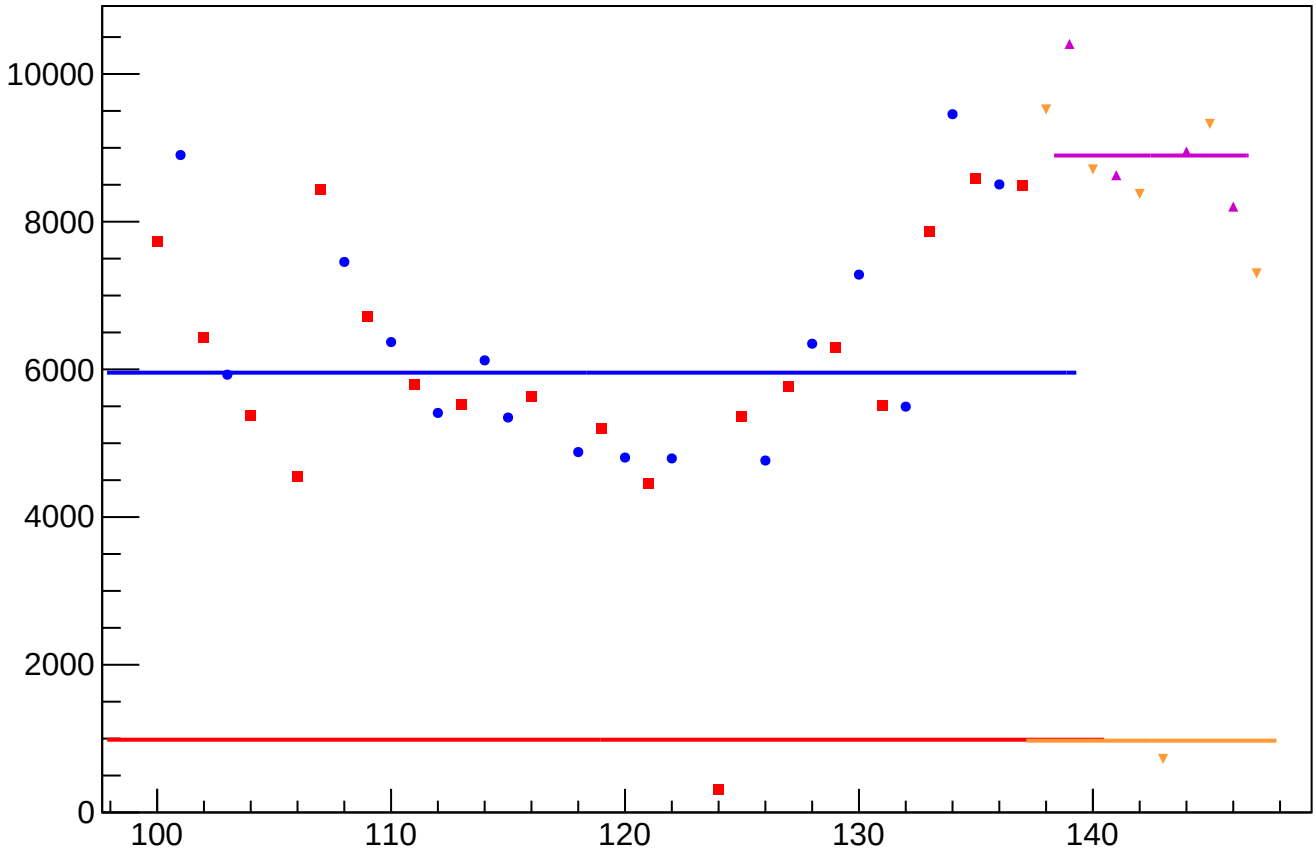
Left: -805.443+/-783.324 χ^2/NDF: 10.9/9

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -683.428+/-2054.076 χ^2/NDF:16.3/19

Out: -137.502+/-552.040 χ^2/NDF:29.6/24

All: -174.277+/-533.123 χ^2/NDF: 45.9/44



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 972.015+/-0.562 χ^2/NDF:5962992.7/5

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8896.137+/-3.371 χ^2/NDF:50010.0/3

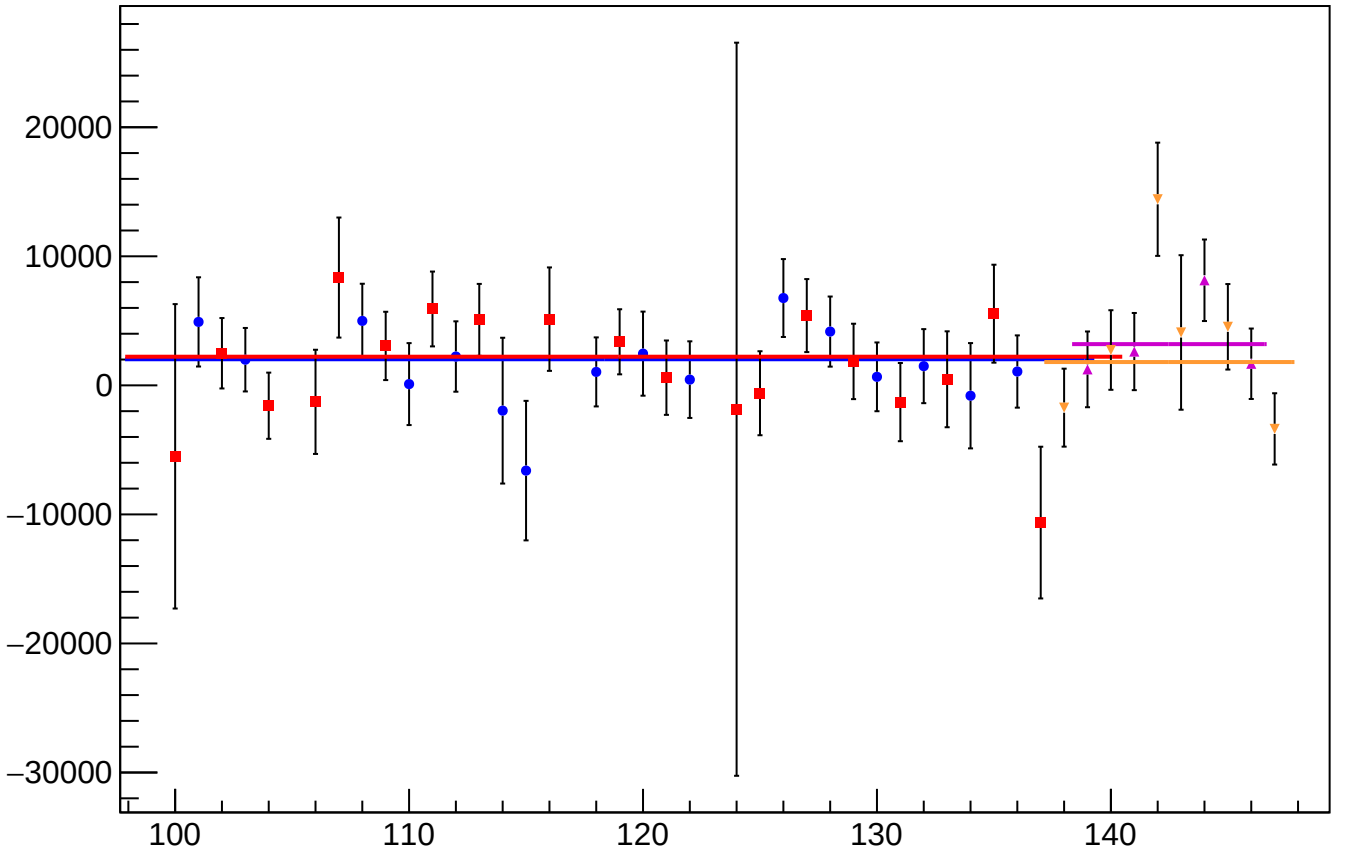
Left: 1185.939+/-0.554 χ^2/NDF: 11389154.1/9

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6501.495+/-1.452 χ^2/NDF:1358758.7/19

Out: 978.748+/-0.390 χ^2/NDF:17376114.0/24

All: 1350.777+/-0.377 χ^2/NDF: 32218911.4/4



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 1806.338+/-1391.116 χ^2/NDF:14.1/5

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3195.013+/-1470.622 χ^2/NDF:3.2/3

Left: 2462.124+/-1010.606 χ^2/NDF: 17.8/9

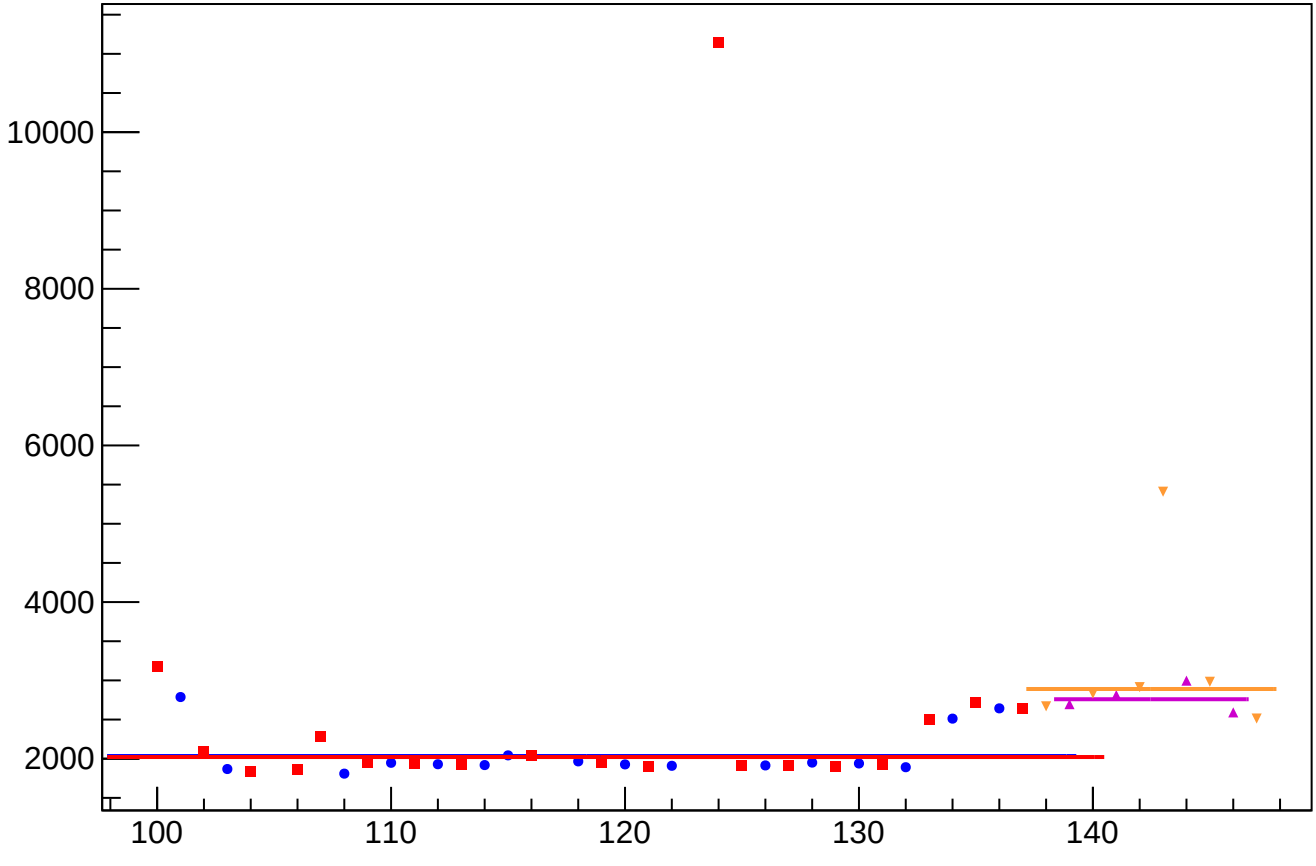
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2272.126+/-678.219 χ^2/NDF:13.4/19

Out: 2124.962+/-664.348 χ^2/NDF:32.3/24

All: 2197.023+/-474.593 χ^2/NDF: 45.6/44

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2890.237+/-0.984 χ^2/NDF:404390.8/5

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2759.397+/-1.040 χ^2/NDF:20415.6/3

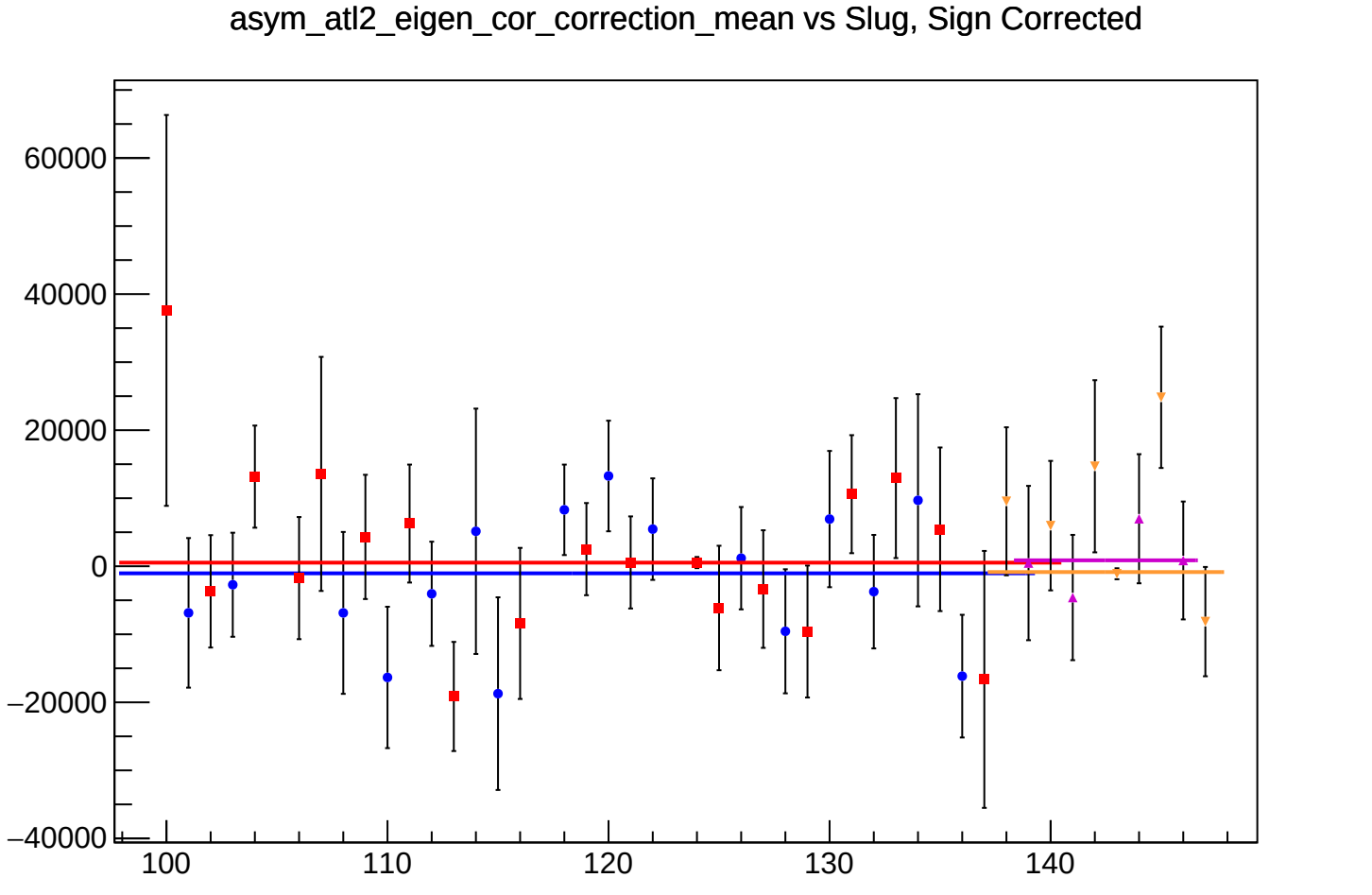
Left: 2828.449+/-0.715 χ^2/NDF: 433161.4/9

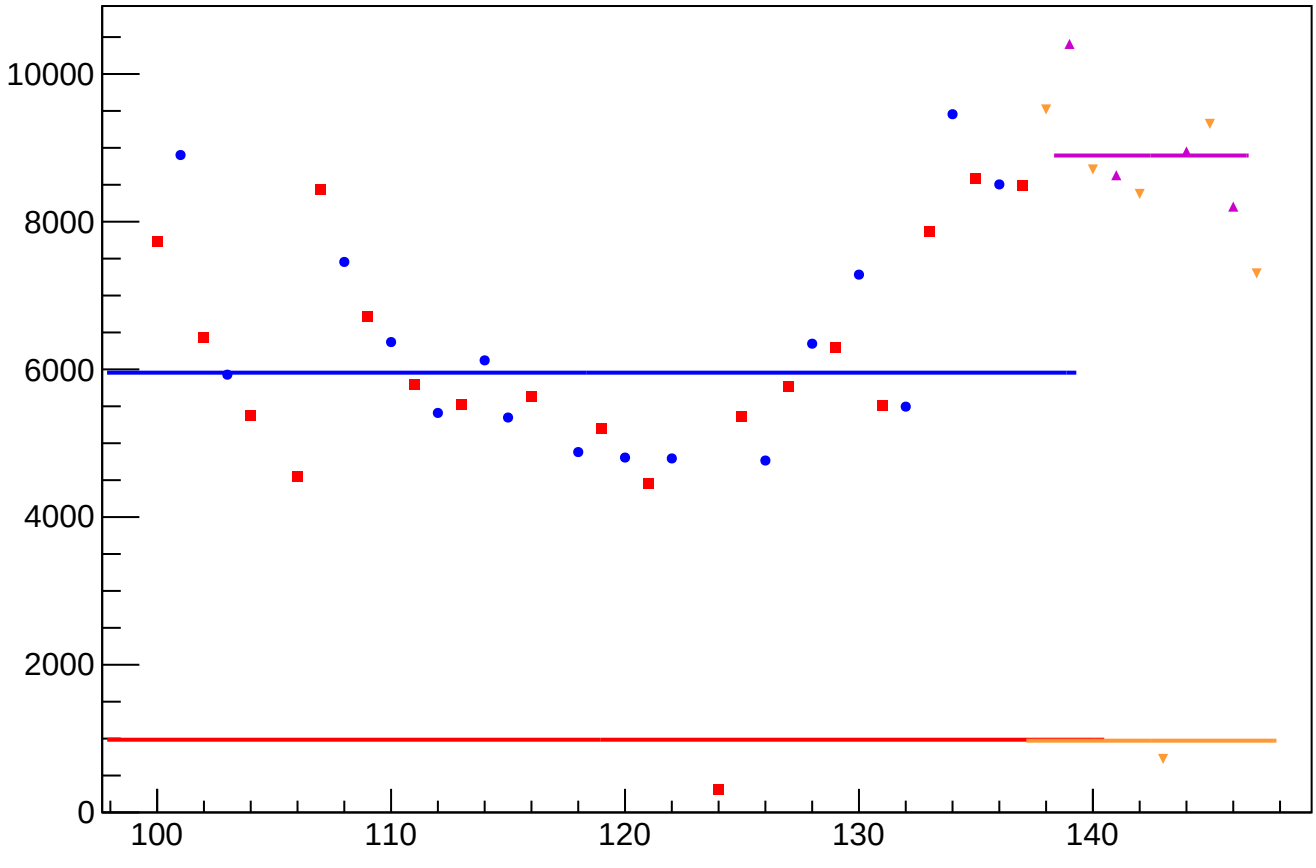
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2188.407+/-0.480 χ^2/NDF:666322.0/19

Out: 2219.682+/-0.470 χ^2/NDF:1396718.0/24

All: 2204.368+/-0.336 χ^2/NDF: 2065210.5/44


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -851.980+/-794.116 χ²/NDF:10.0/5
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 871.806+/-4767.466 χ²/NDF:0.8/3
Left: -805.443+/-783.324 χ²/NDF: 10.9/9
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -683.428+/-2054.076 χ²/NDF:16.3/19
Out: -137.502+/-552.040 χ²/NDF:29.6/24
All: -174.277+/-533.123 χ²/NDF: 45.9/44



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 972.015+/-0.562 χ^2/NDF:5962992.7/5

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8896.137+/-3.371 χ^2/NDF:50010.0/3

Left: 1185.939+/-0.554 χ^2/NDF: 11389154.1/9

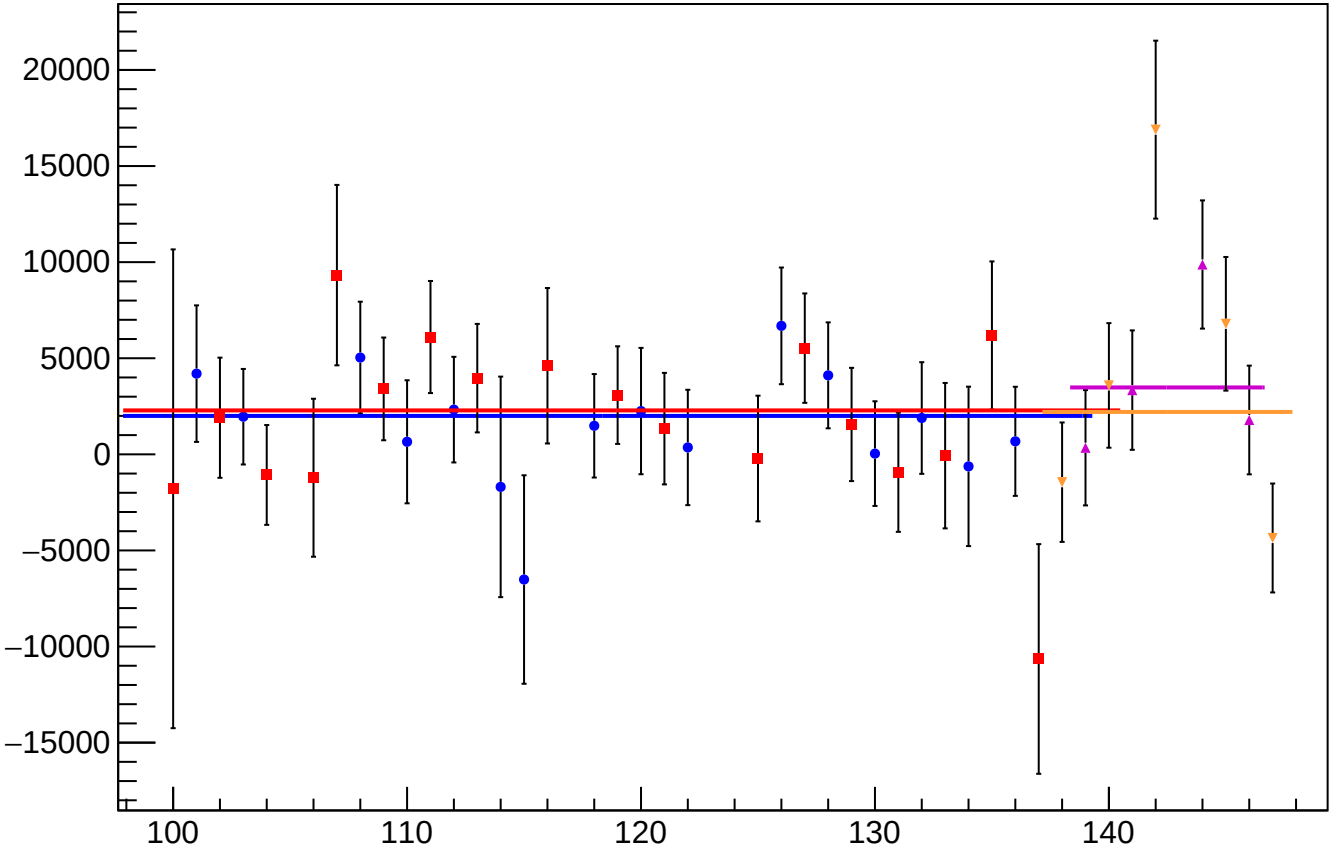
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6501.495+/-1.452 χ^2/NDF:1358758.7/19

Out: 978.748+/-0.390 χ^2/NDF:17376114.0/24

All: 1350.777+/-0.377 χ^2/NDF: 32218911.4/4

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 2206.373+/-1486.224 χ^2/NDF:18.7/4

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3480.680+/-1525.624 χ^2/NDF:5.1/3

Left: 2826.859+/-1064.576 χ^2/NDF: 24.2/8

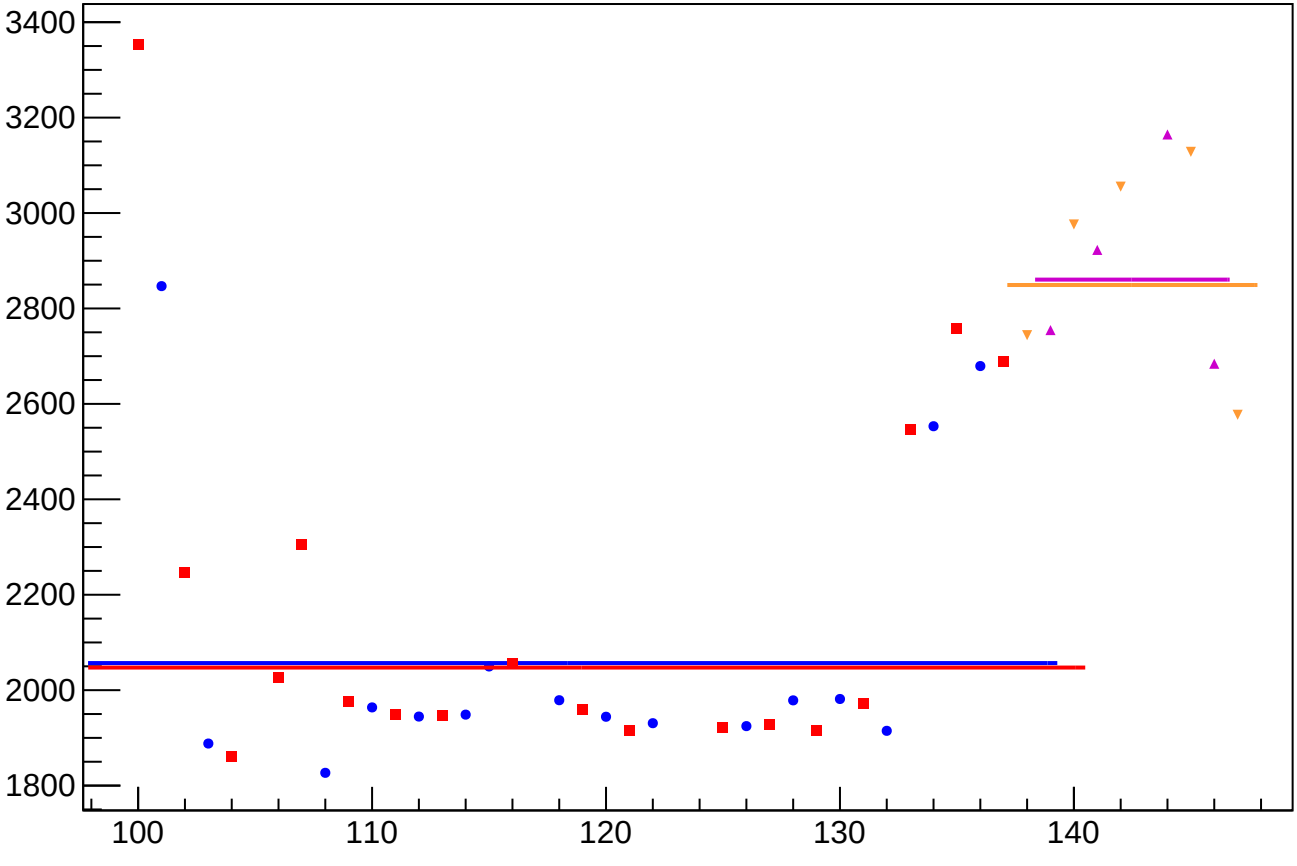
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2302.182+/-689.922 χ^2/NDF:14.9/19

Out: 2269.026+/-684.599 χ^2/NDF:35.4/22

All: 2285.475+/-485.956 χ^2/NDF: 50.3/42

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2849.155+/-1.051 χ^2/NDF:40635.6/4

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2860.469+/-1.079 χ^2/NDF:27695.7/3

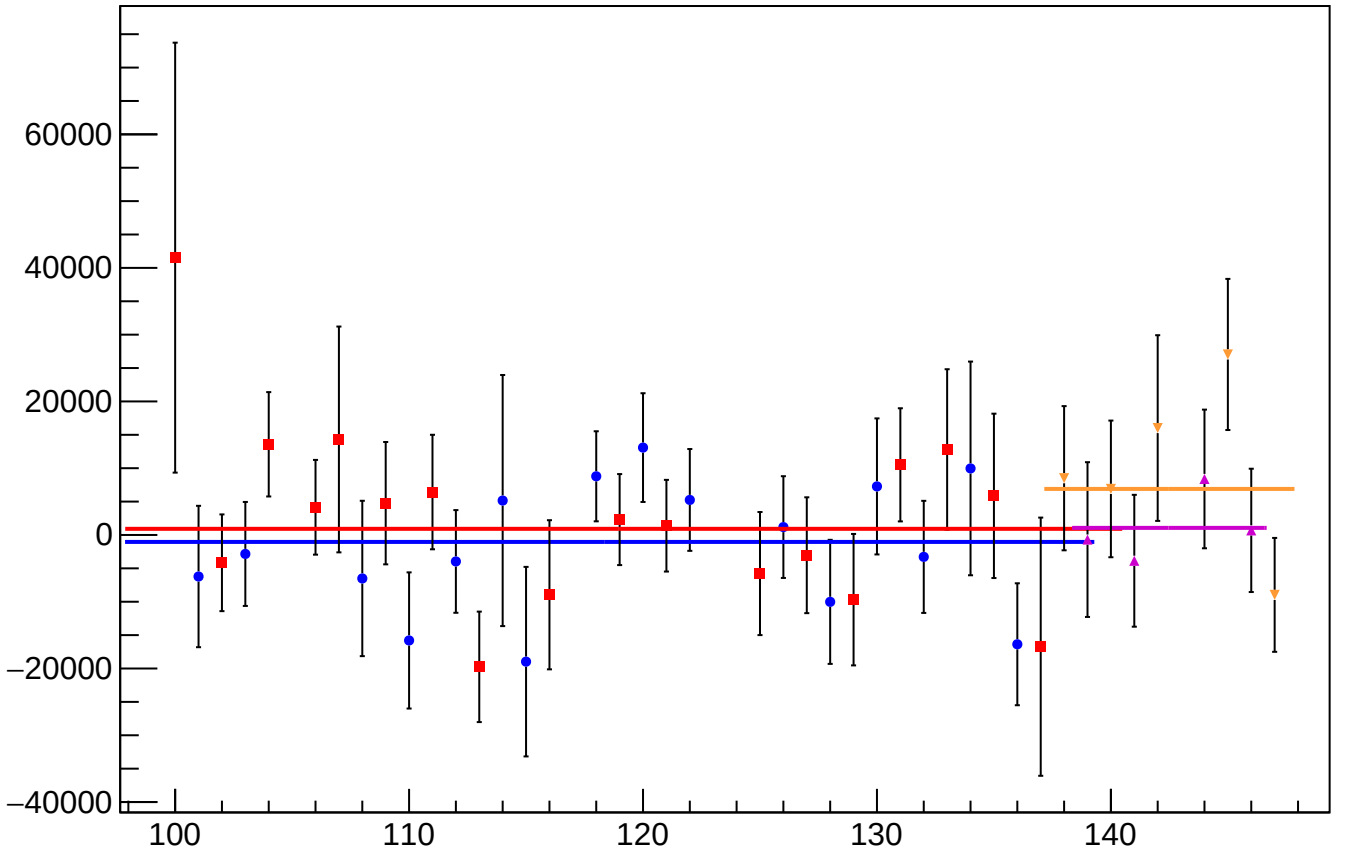
Left: 2854.664+/-0.753 χ^2/NDF: 68387.8/8

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2221.151+/-0.488 χ^2/NDF:739650.8/19

Out: 2217.112+/-0.484 χ^2/NDF:695985.9/22

All: 2219.113+/-0.343 χ^2/NDF: 1435671.3/42



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 6897.159+/-4721.974 χ^2/NDF:7.1/4

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 1062.067+/-5083.115 χ^2/NDF:0.8/3

Left: 4194.240+/-3459.574 χ^2/NDF: 8.6/8

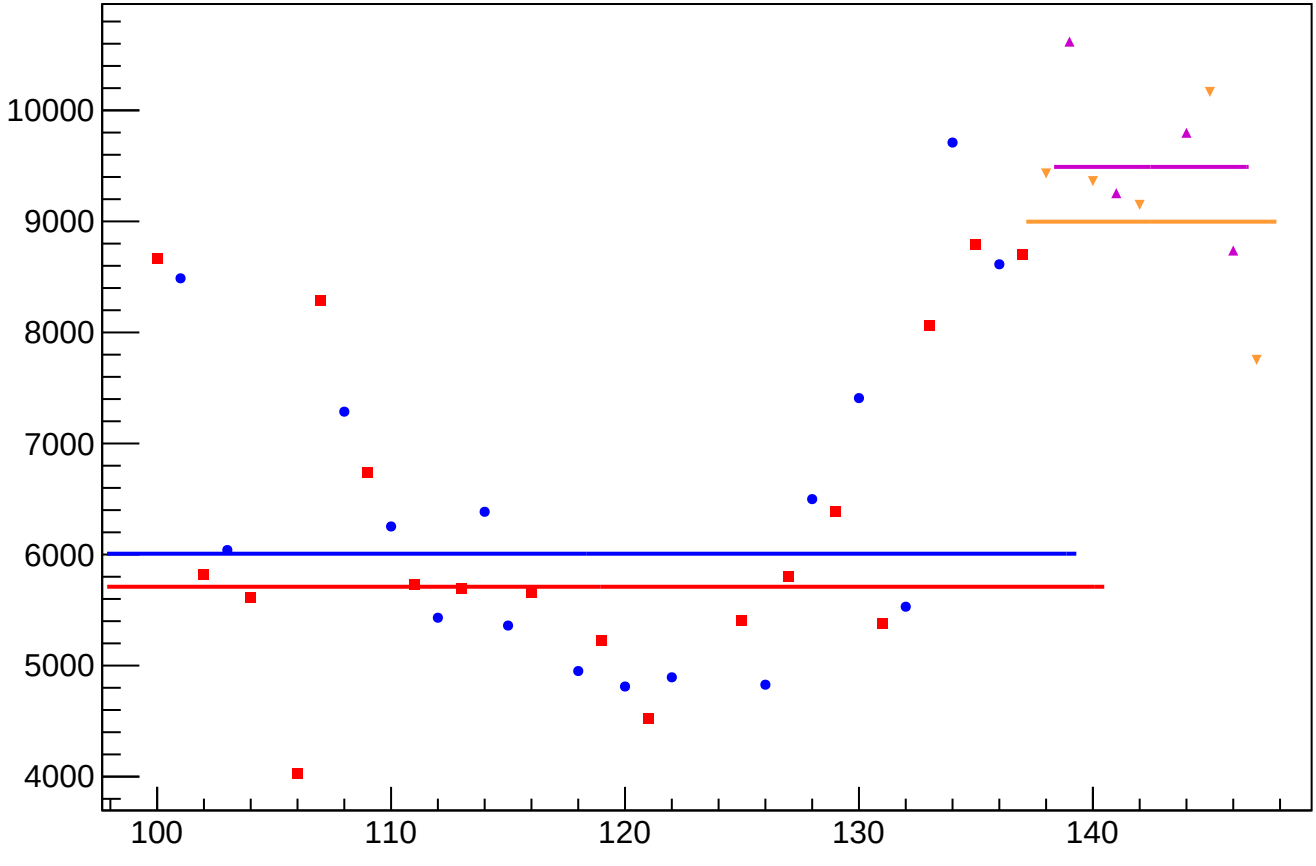
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -686.248+/-2091.390 χ^2/NDF:16.2/19

Out: 1946.799+/-1957.392 χ^2/NDF:26.8/22

All: 717.323+/-1429.111 χ^2/NDF: 43.8/42

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 8997.632+/-3.339 χ^2/NDF:69910.2/4

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9490.786+/-3.594 χ^2/NDF:35166.0/3

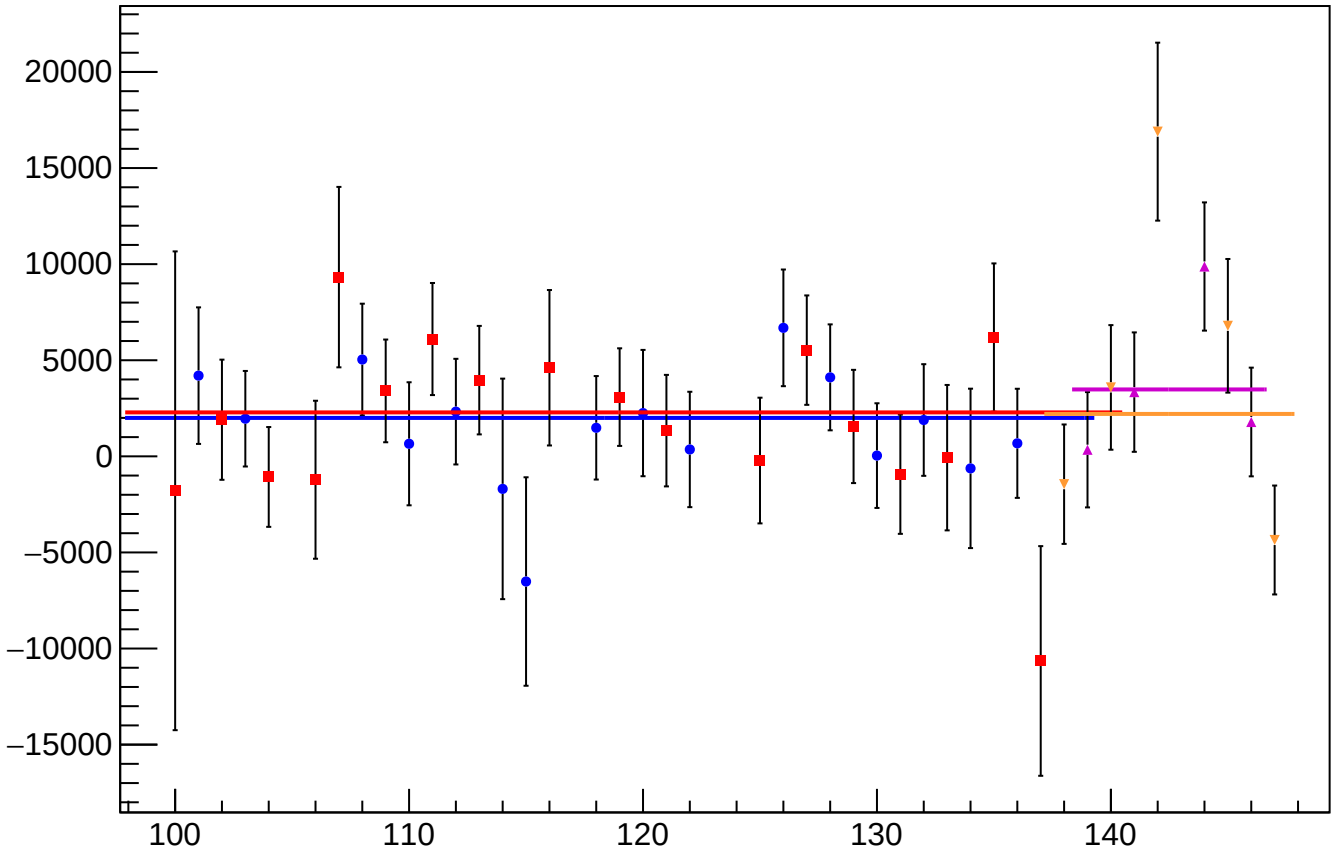
Left: 9226.070+/-2.446 χ^2/NDF: 115181.1/8

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6597.095+/-1.479 χ^2/NDF:1469389.4/19

Out: 6274.846+/-1.384 χ^2/NDF:1408793.9/22

All: 6425.317+/-1.011 χ^2/NDF: 2903494.8/42



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 2206.389+/-1486.226 χ^2/NDF:18.7/4

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 3480.685+/-1525.626 χ^2/NDF:5.1/3

Left: 2826.870+/-1064.577 χ^2/NDF: 24.2/8

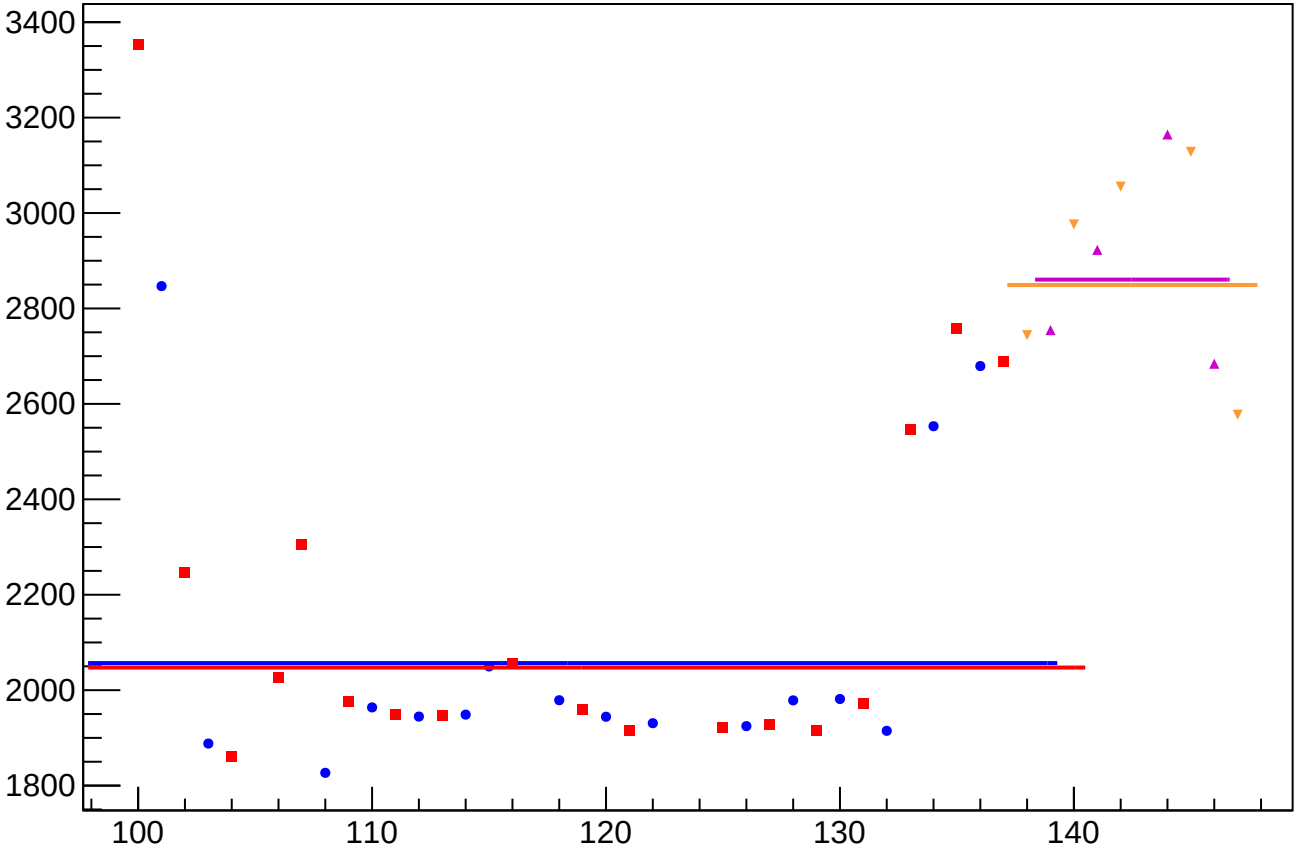
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2302.186+/-689.922 χ^2/NDF:14.9/19

Out: 2269.032+/-684.599 χ^2/NDF:35.4/22

All: 2285.481+/-485.956 χ^2/NDF: 50.3/42

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2849.157+/-1.051 χ^2/NDF:40636.7/4

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2860.472+/-1.079 χ^2/NDF:27695.9/3

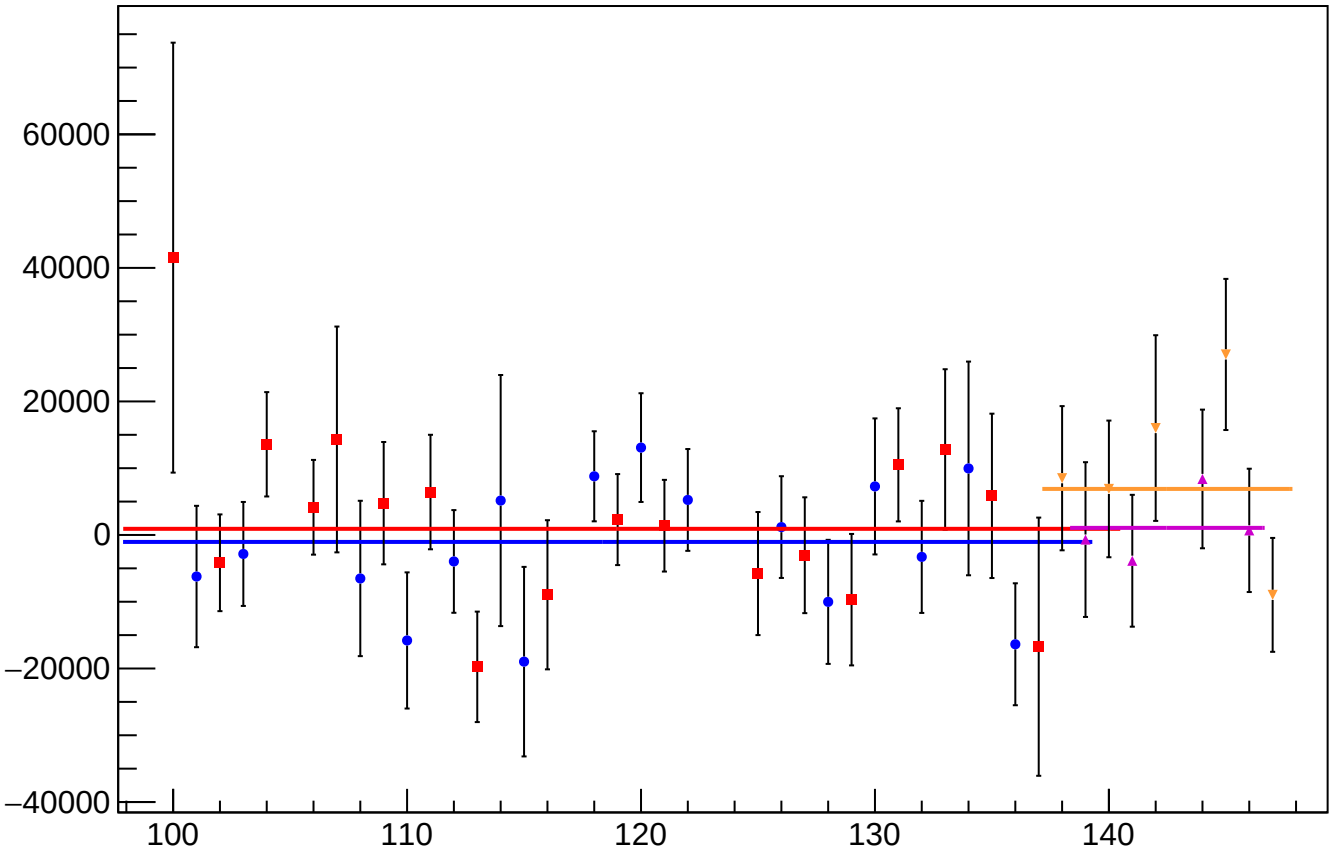
Left: 2854.666+/-0.753 χ^2/NDF: 68389.0/8

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2221.152+/-0.488 χ^2/NDF:739653.5/19

Out: 2217.112+/-0.484 χ^2/NDF:695989.3/22

All: 2219.114+/-0.343 χ^2/NDF: 1435677.4/42



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 6897.162+/-4721.983 χ^2/NDF:7.1/4

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 1062.068+/-5083.125 χ^2/NDF:0.8/3

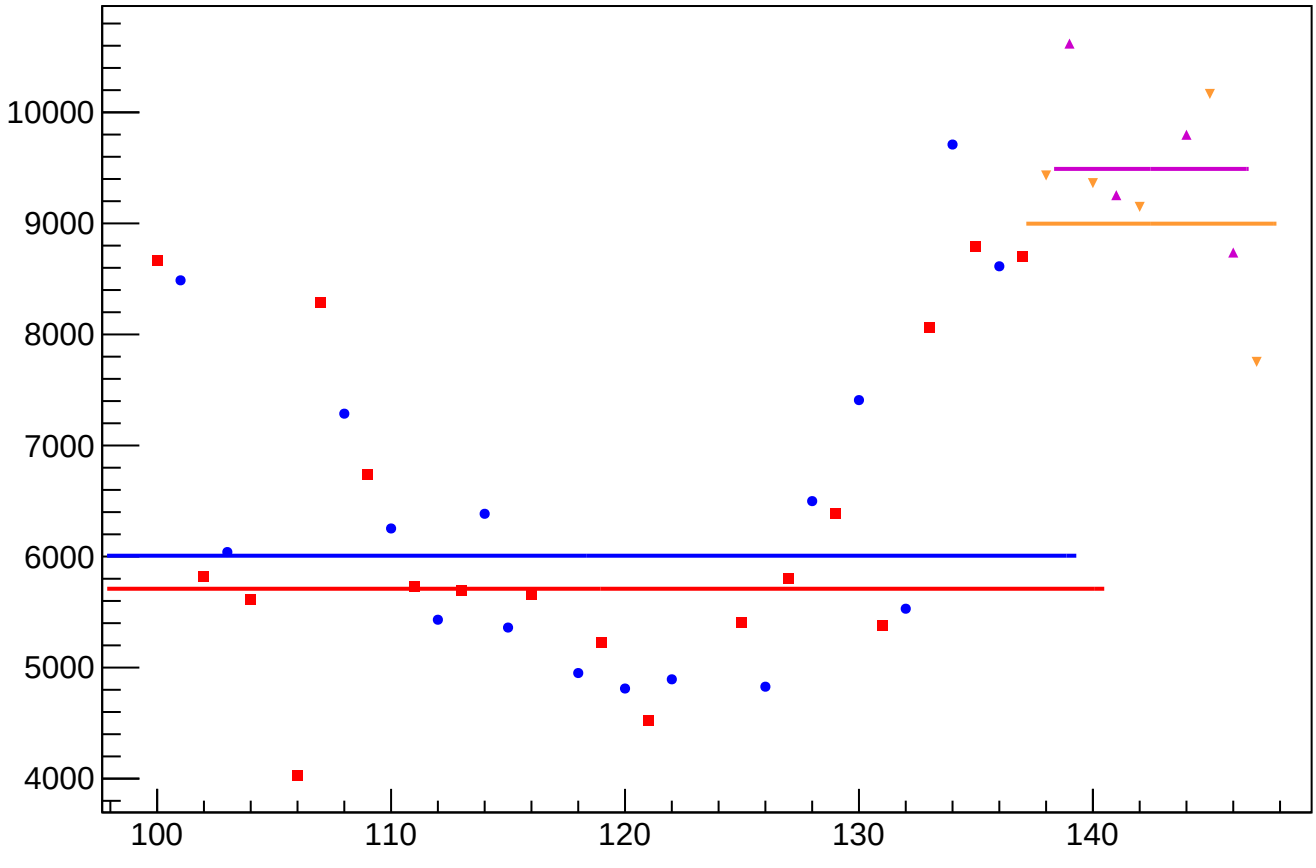
Left: 4194.242+/-3459.581 χ^2/NDF: 8.6/8

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -686.240+/-2091.386 χ^2/NDF:16.2/19

Out: 1946.795+/-1957.388 χ^2/NDF:26.8/22

All: 717.324+/-1429.108 χ^2/NDF: 43.8/42



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 8997.649+/-3.339 χ^2/NDF:69911.9/4

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9490.804+/-3.594 χ^2/NDF:35166.9/3

Left: 9226.087+/-2.446 χ^2/NDF: 115183.8/8

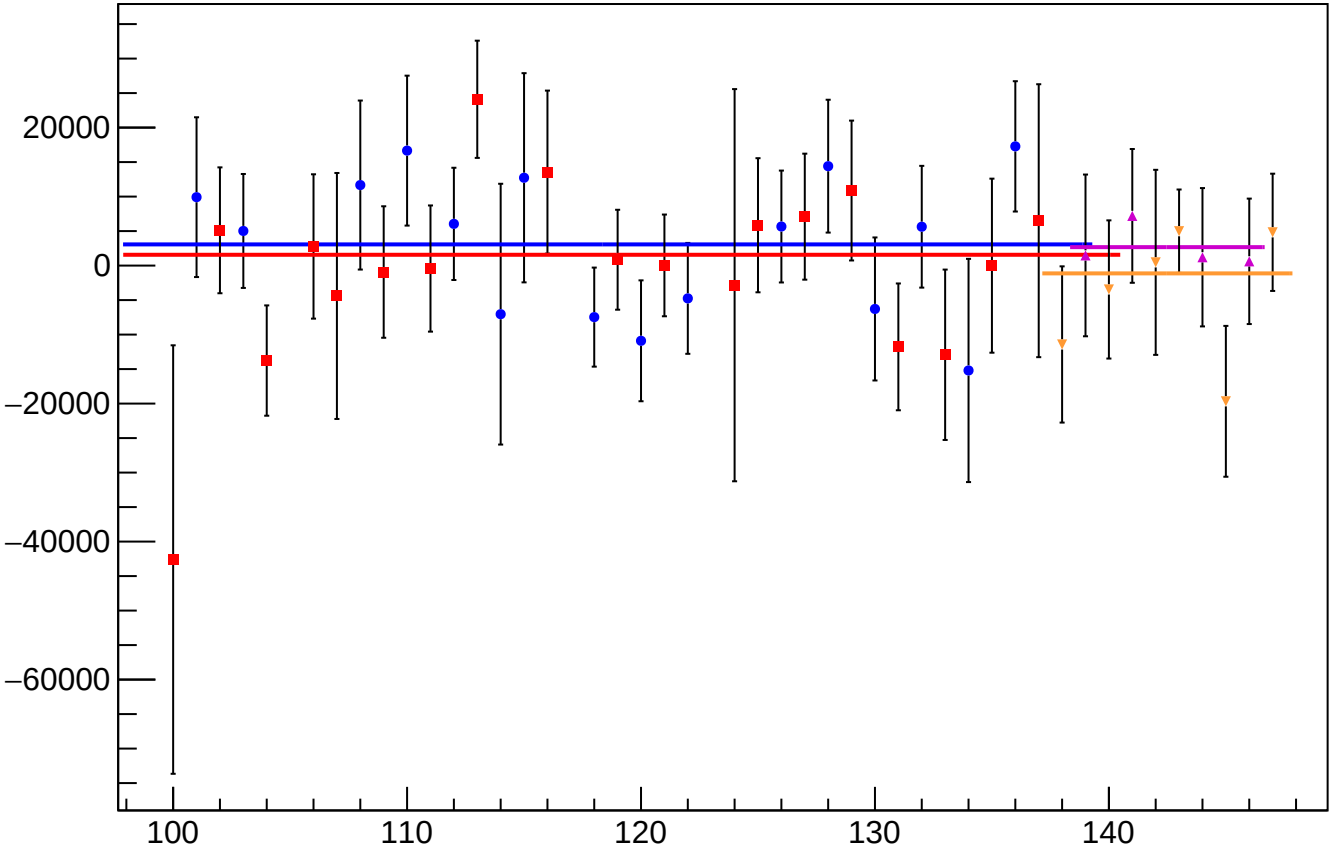
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6597.076+/-1.479 χ^2/NDF:1469413.8/19

Out: 6274.830+/-1.384 χ^2/NDF:1408813.9/22

All: 6425.300+/-1.011 χ^2/NDF: 2903538.9/42

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -1131.099+/-3702.895 χ^2/NDF:5.3/5

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 2672.930+/-5001.598 χ^2/NDF:0.3/3

Left: 215.717+/-2976.055 χ^2/NDF: 6.0/9

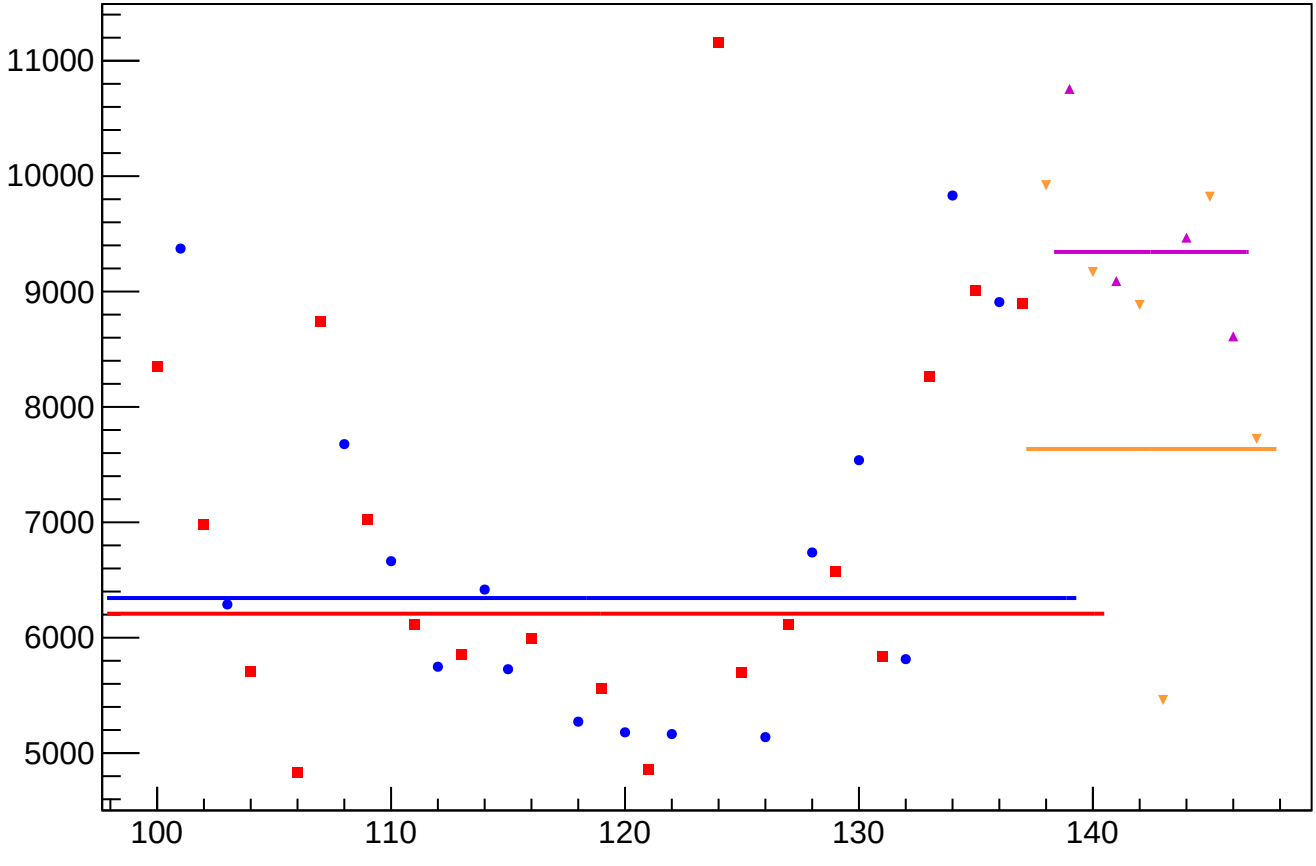
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2994.878+/-2178.933 χ^2/NDF:15.2/19

Out: 799.015+/-1975.635 χ^2/NDF:24.9/24

All: 1789.752+/-1463.593 χ^2/NDF: 40.6/44

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7635.822+/-2.618 χ^2/NDF:485008.1/5

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9343.149+/-3.537 χ^2/NDF:43678.2/3

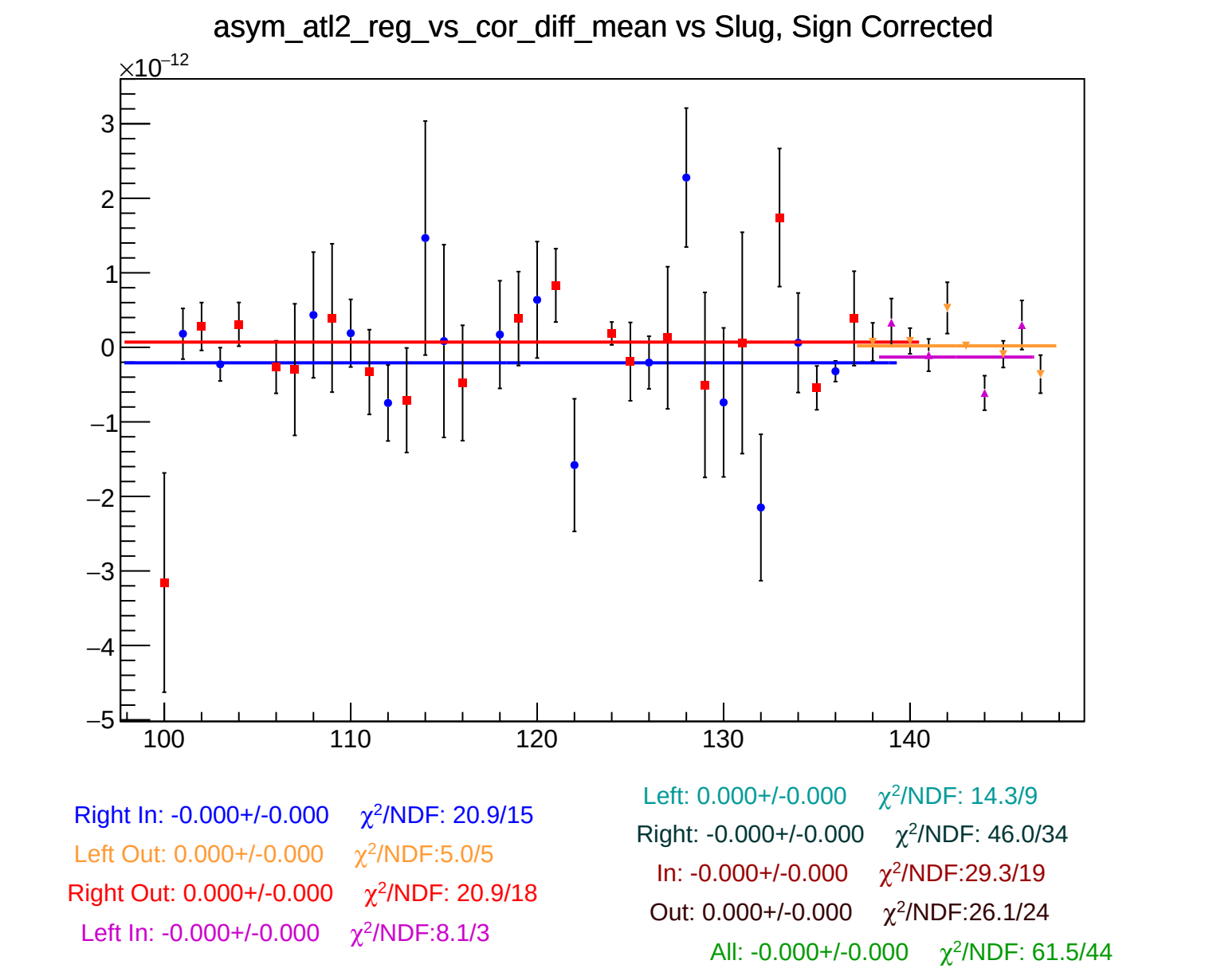
Left: 8240.300+/-2.104 χ^2/NDF: 679223.9/9

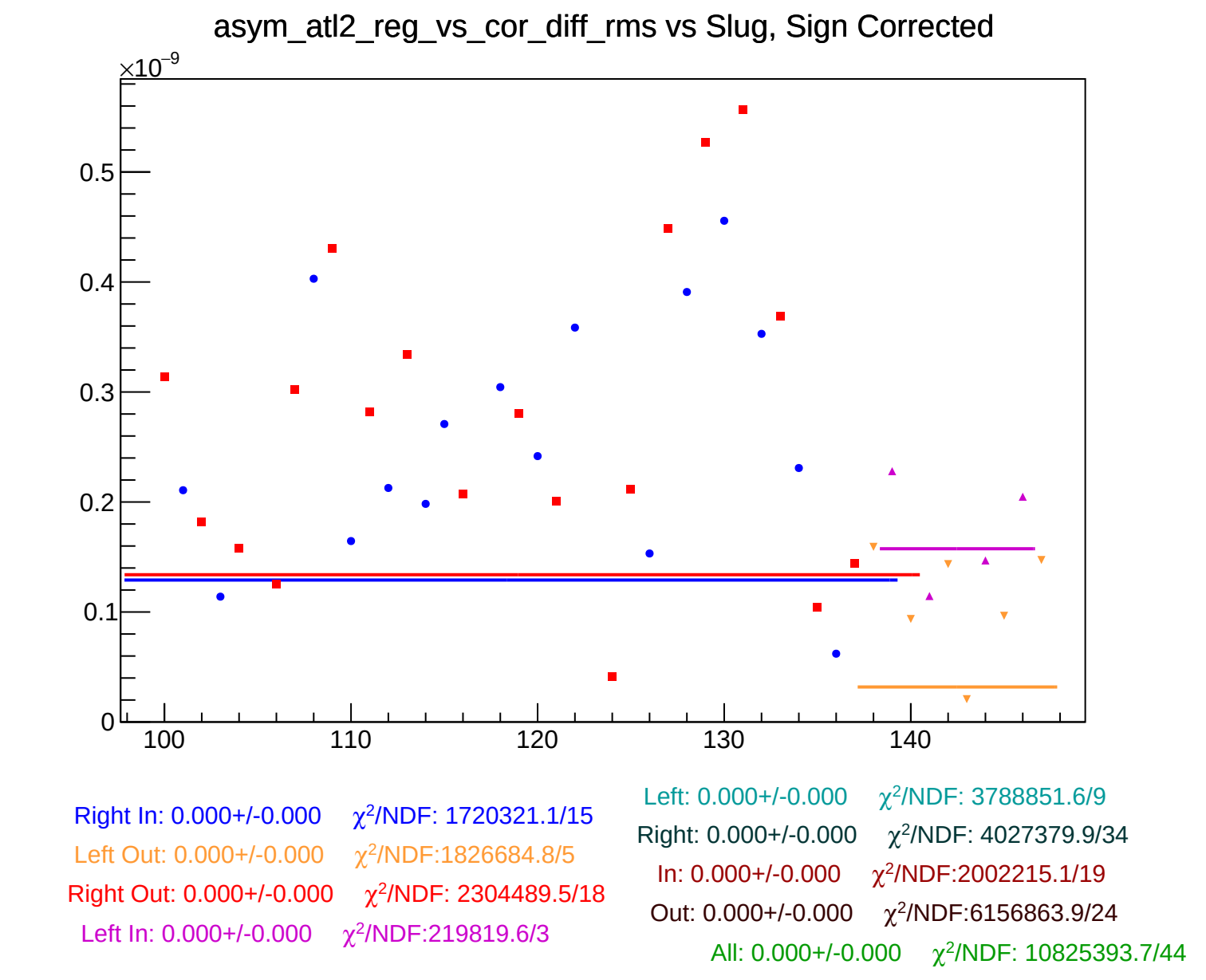
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

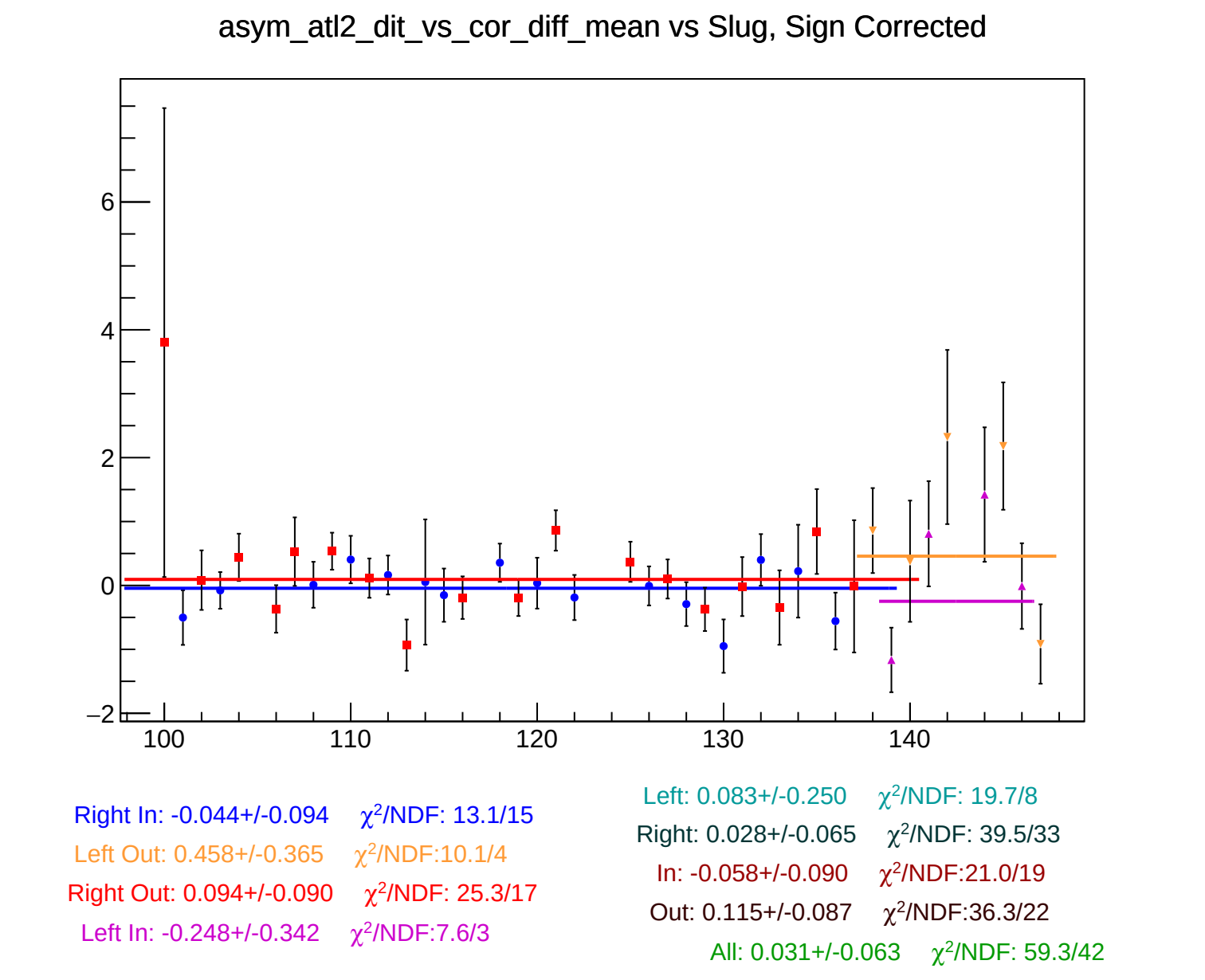
In: 6913.038+/-1.541 χ^2/NDF:1247646.7/19

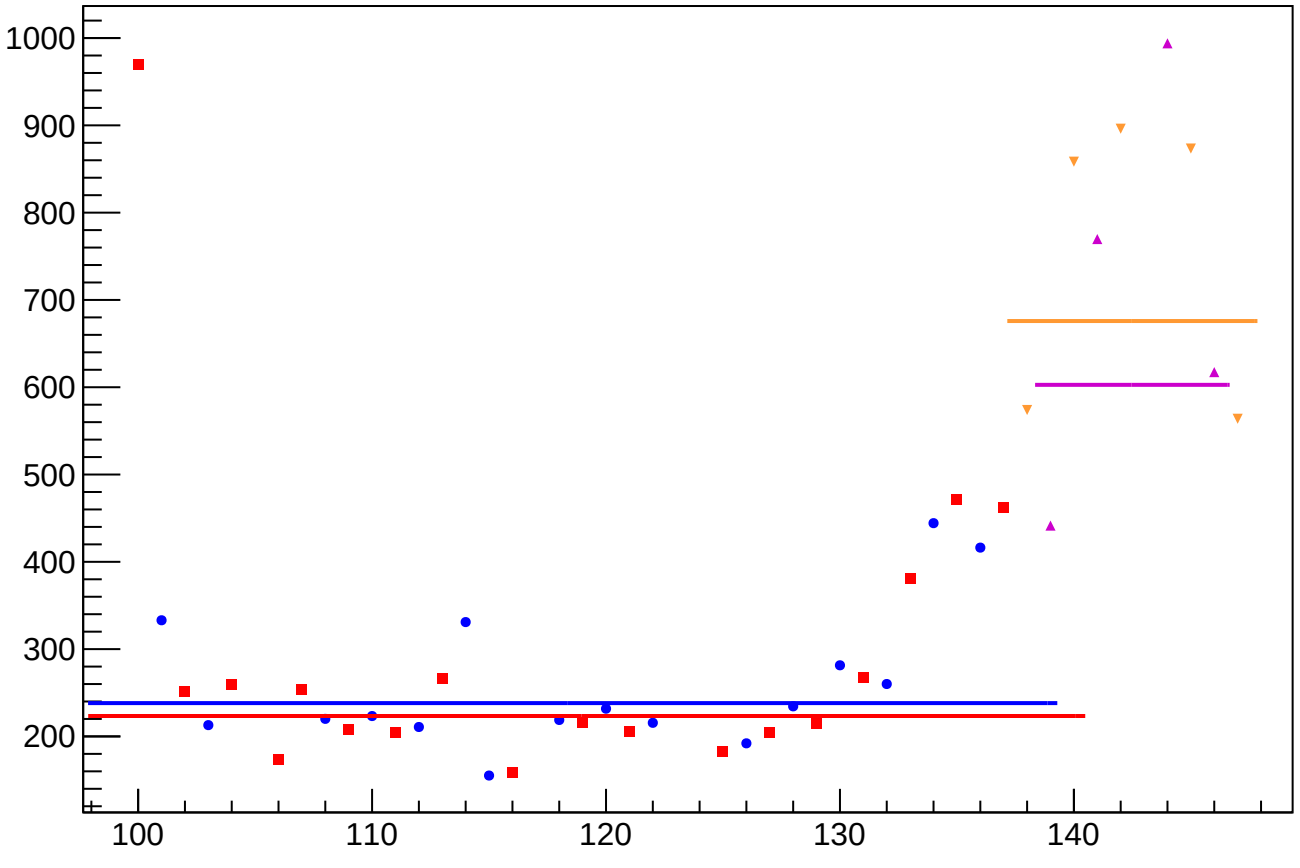
Out: 6614.517+/-1.397 χ^2/NDF:1169538.5/24

All: 6749.204+/-1.035 χ^2/NDF: 2437787.7/44


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
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: -0.000+/-0.000 χ²/NDF:8.1/3
Left: 0.000+/-0.000 χ²/NDF: 14.3/9
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:29.3/19
Out: 0.000+/-0.000 χ²/NDF:26.1/24
All: -0.000+/-0.000 χ²/NDF: 61.5/44


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1826684.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:219819.6/3
Left: 0.000+/-0.000 χ²/NDF: 3788851.6/9
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:2002215.1/19
Out: 0.000+/-0.000 χ²/NDF:6156863.9/24
All: 0.000+/-0.000 χ²/NDF: 10825393.7/44


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 0.458+/-0.365 χ²/NDF:10.1/4
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.248+/-0.342 χ²/NDF:7.6/3
Left: 0.083+/-0.250 χ²/NDF: 19.7/8
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.058+/-0.090 χ²/NDF:21.0/19
Out: 0.115+/-0.087 χ²/NDF:36.3/22
All: 0.031+/-0.063 χ²/NDF: 59.3/42



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 675.835+/-0.258 χ^2/NDF:316874.0/4

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 602.741+/-0.242 χ^2/NDF:563814.6/3

Left: 636.967+/-0.177 χ^2/NDF: 923352.8/8

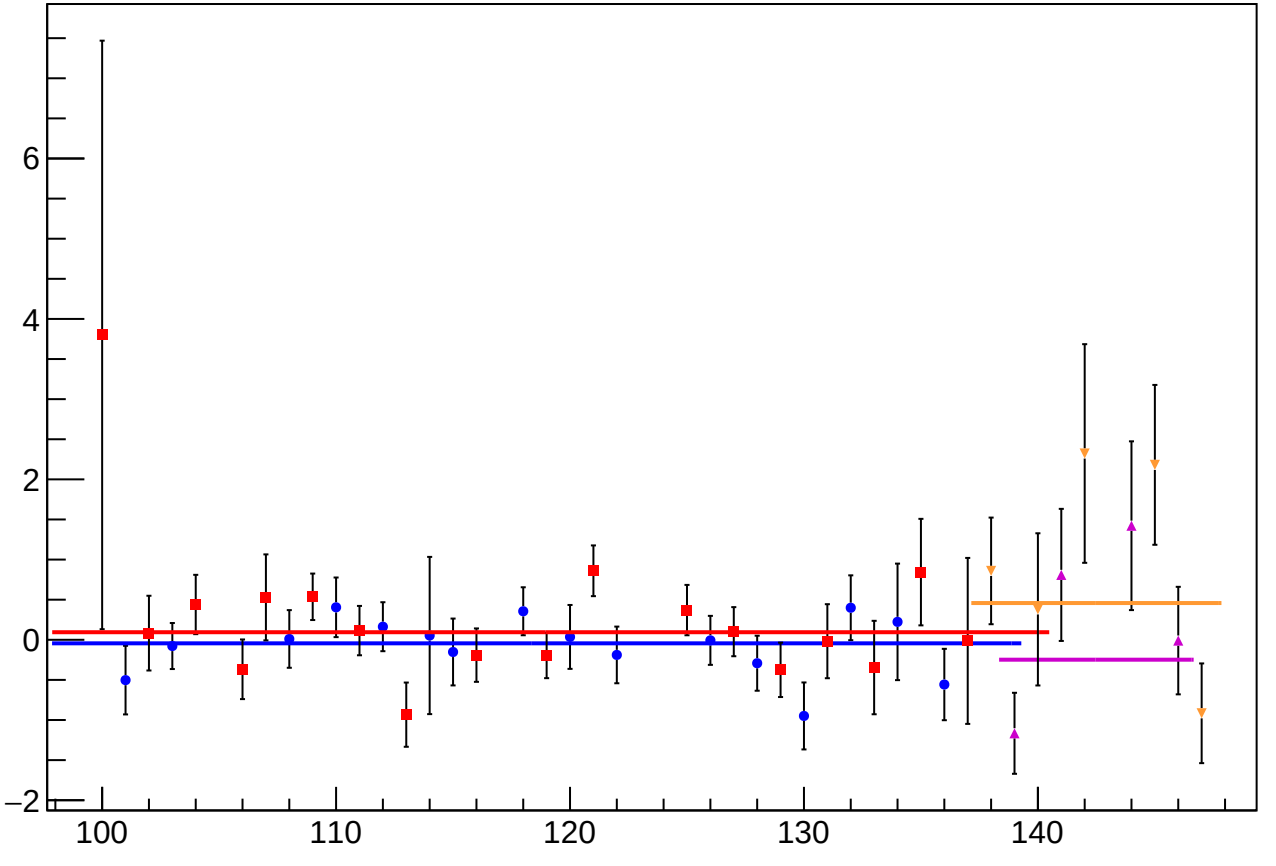
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 263.607+/-0.064 χ^2/NDF:3479539.7/19

Out: 249.347+/-0.062 χ^2/NDF:4077091.9/22

All: 256.232+/-0.044 χ^2/NDF: 7582331.3/42

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: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.248+/-0.342 χ^2/NDF:7.6/3

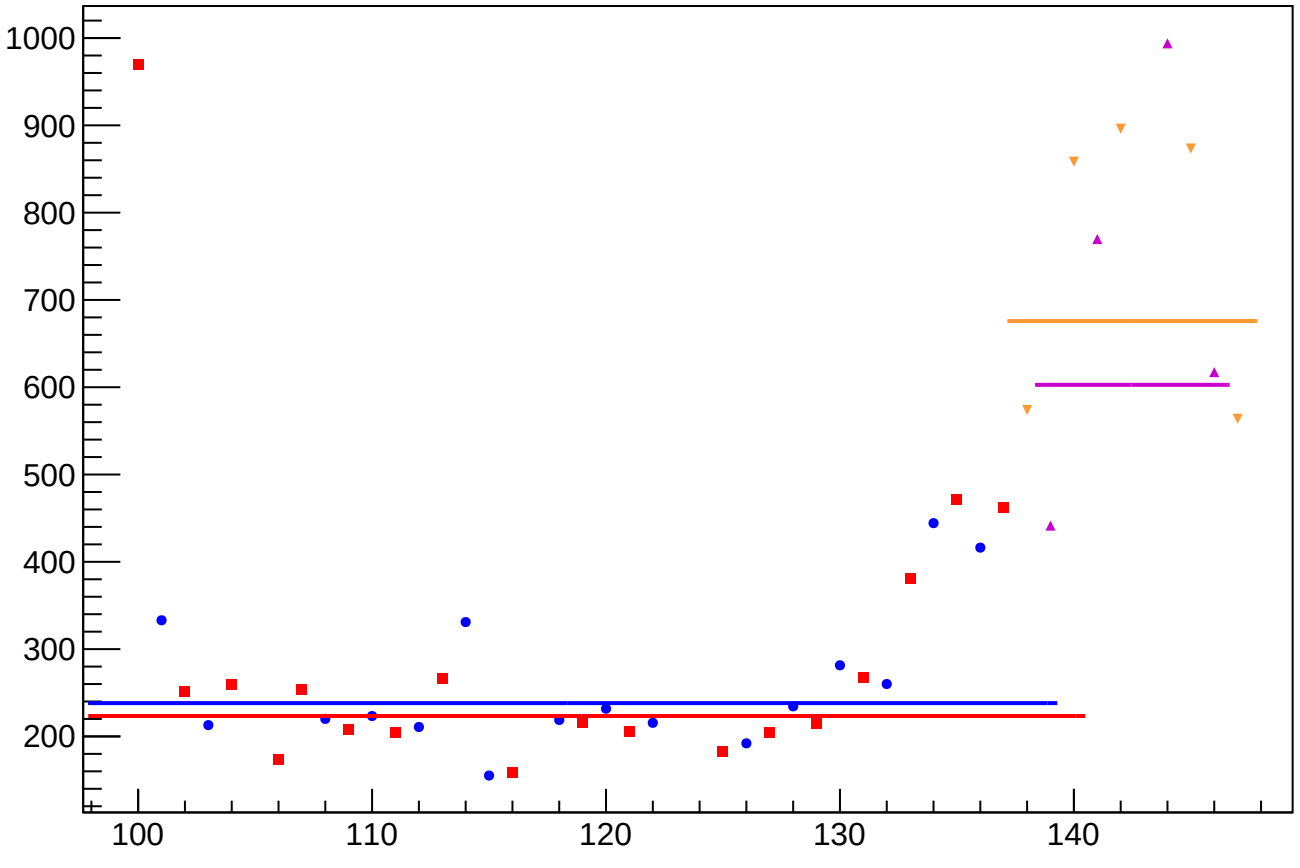
Left: 0.083+/-0.250 χ^2/NDF: 19.7/8

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.058+/-0.090 χ^2/NDF:21.0/19

Out: 0.115+/-0.087 χ^2/NDF:36.3/22

All: 0.031+/-0.063 χ^2/NDF: 59.3/42



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 675.835+/-0.258 χ^2/NDF:316874.0/4

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 602.741+/-0.242 χ^2/NDF:563814.6/3

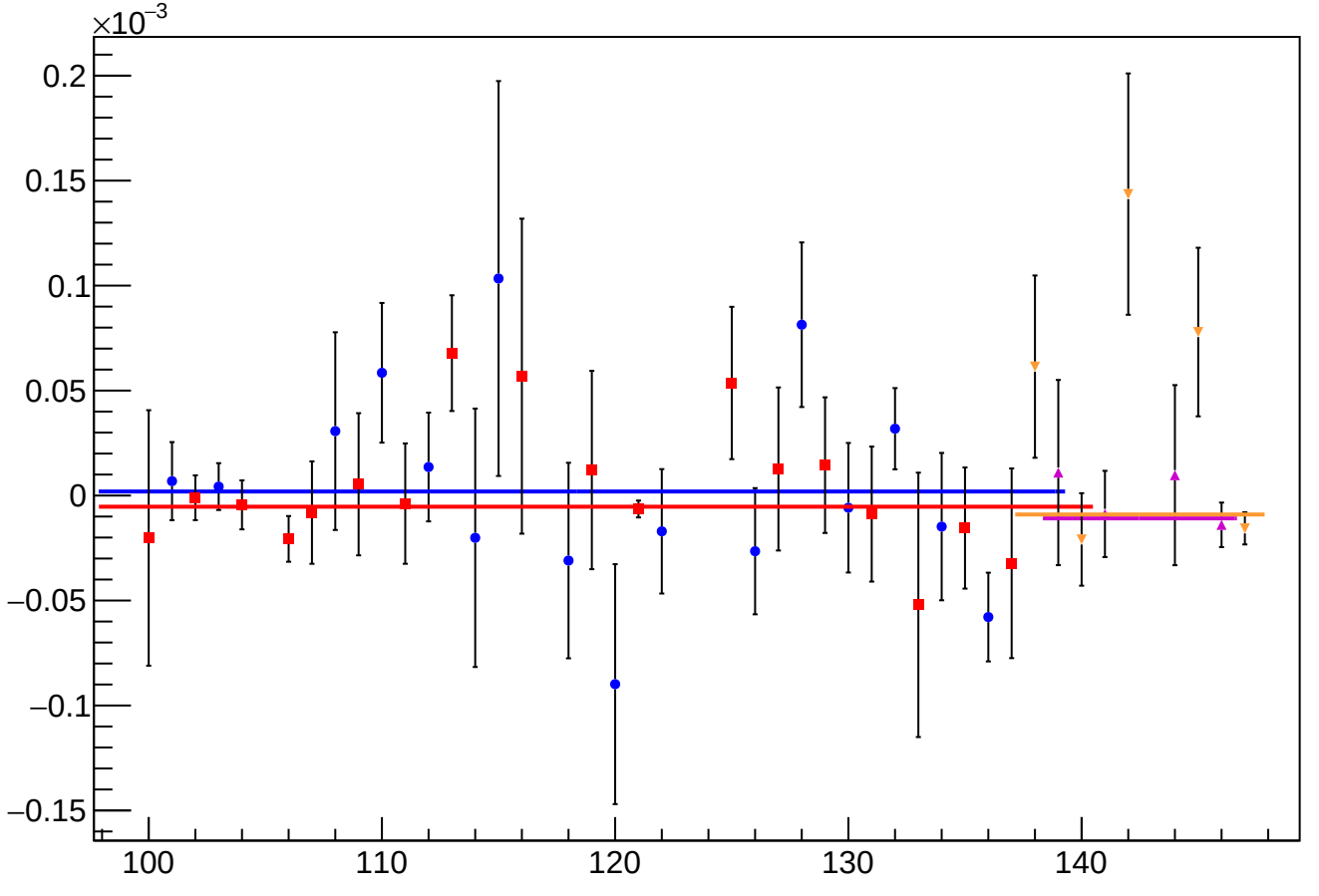
Left: 636.967+/-0.177 χ^2/NDF: 923352.8/8

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 263.607+/-0.064 χ^2/NDF:3479539.7/19

Out: 249.347+/-0.062 χ^2/NDF:4077091.9/22

All: 256.232+/-0.044 χ^2/NDF: 7582331.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/4

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

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

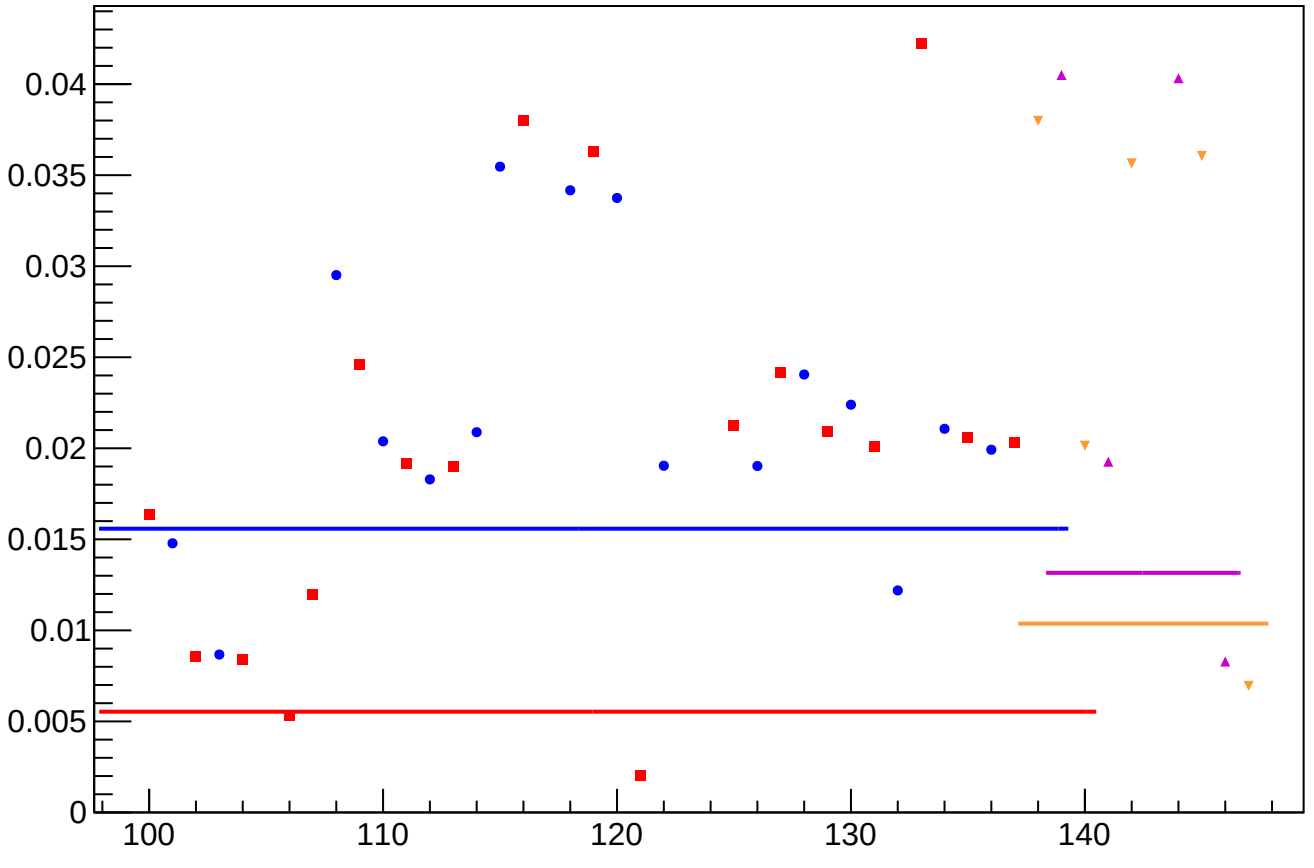
Left: -0.000+/-0.000 χ^2/NDF: 16.0/8

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: -0.000+/-0.000 χ^2/NDF:26.0/19

Out: -0.000+/-0.000 χ^2/NDF:30.2/22

All: -0.000+/-0.000 χ^2/NDF: 56.5/42



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:2806590.7/4

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.013+/-0.000 χ^2/NDF:2168983.5/3

Left: 0.011+/-0.000 χ^2/NDF: 5095448.4/8

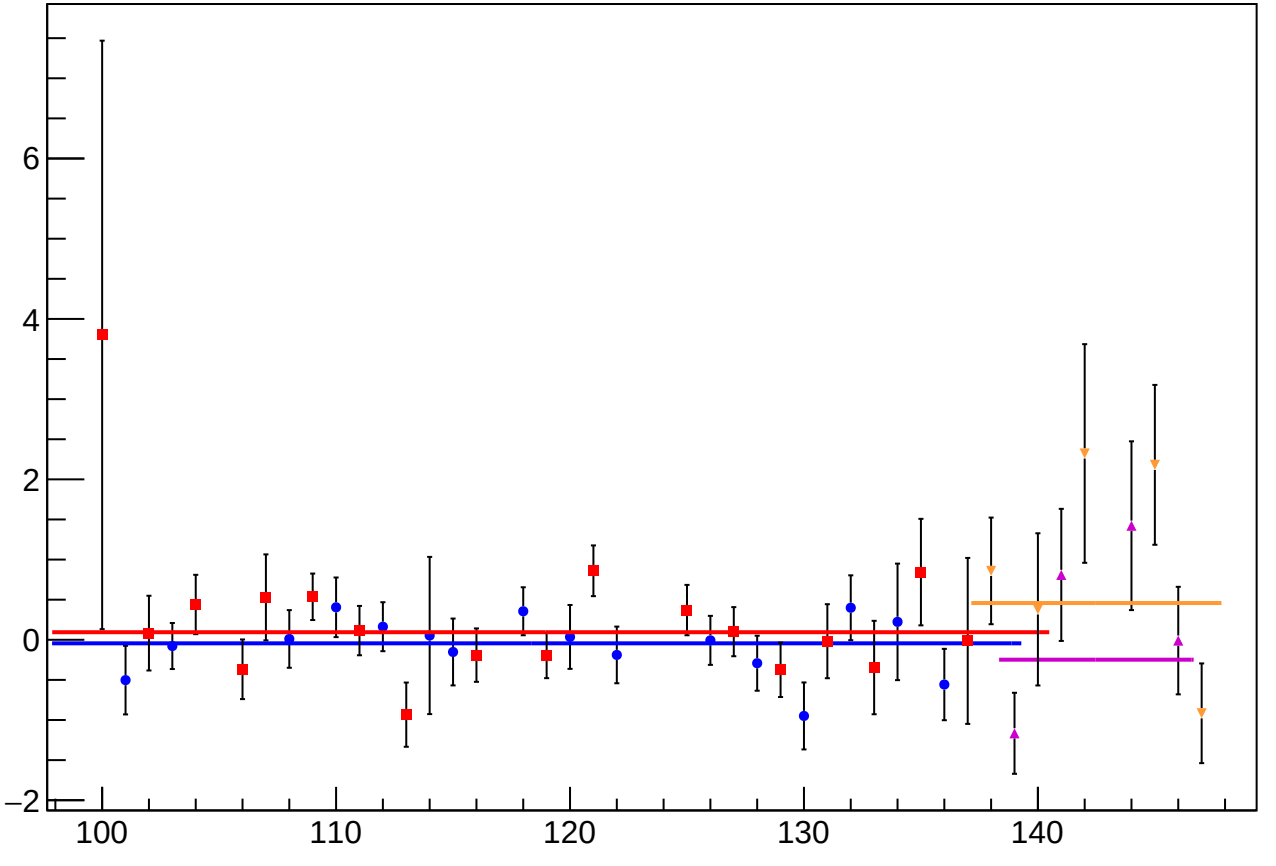
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.015+/-0.000 χ^2/NDF:4340247.8/19

Out: 0.006+/-0.000 χ^2/NDF:11557000.4/22

All: 0.008+/-0.000 χ^2/NDF: 19867700.1/42

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: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.248+/-0.342 χ^2/NDF:7.6/3

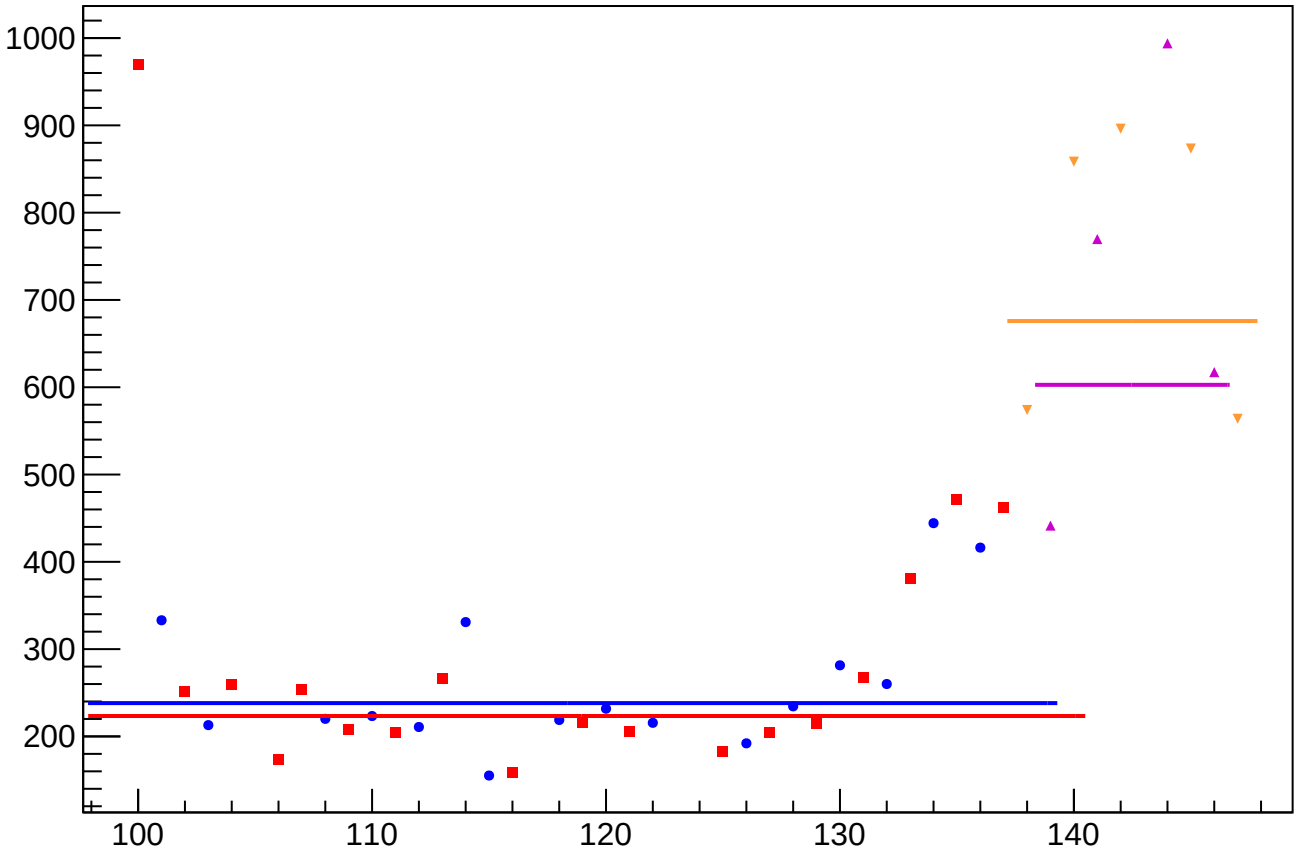
Left: 0.083+/-0.250 χ^2/NDF: 19.7/8

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.058+/-0.090 χ^2/NDF:21.0/19

Out: 0.115+/-0.087 χ^2/NDF:36.3/22

All: 0.031+/-0.063 χ^2/NDF: 59.3/42



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 675.840+/-0.258 χ^2/NDF:316899.9/4

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 602.753+/-0.242 χ^2/NDF:563792.5/3

Left: 636.976+/-0.177 χ^2/NDF: 923347.5/8

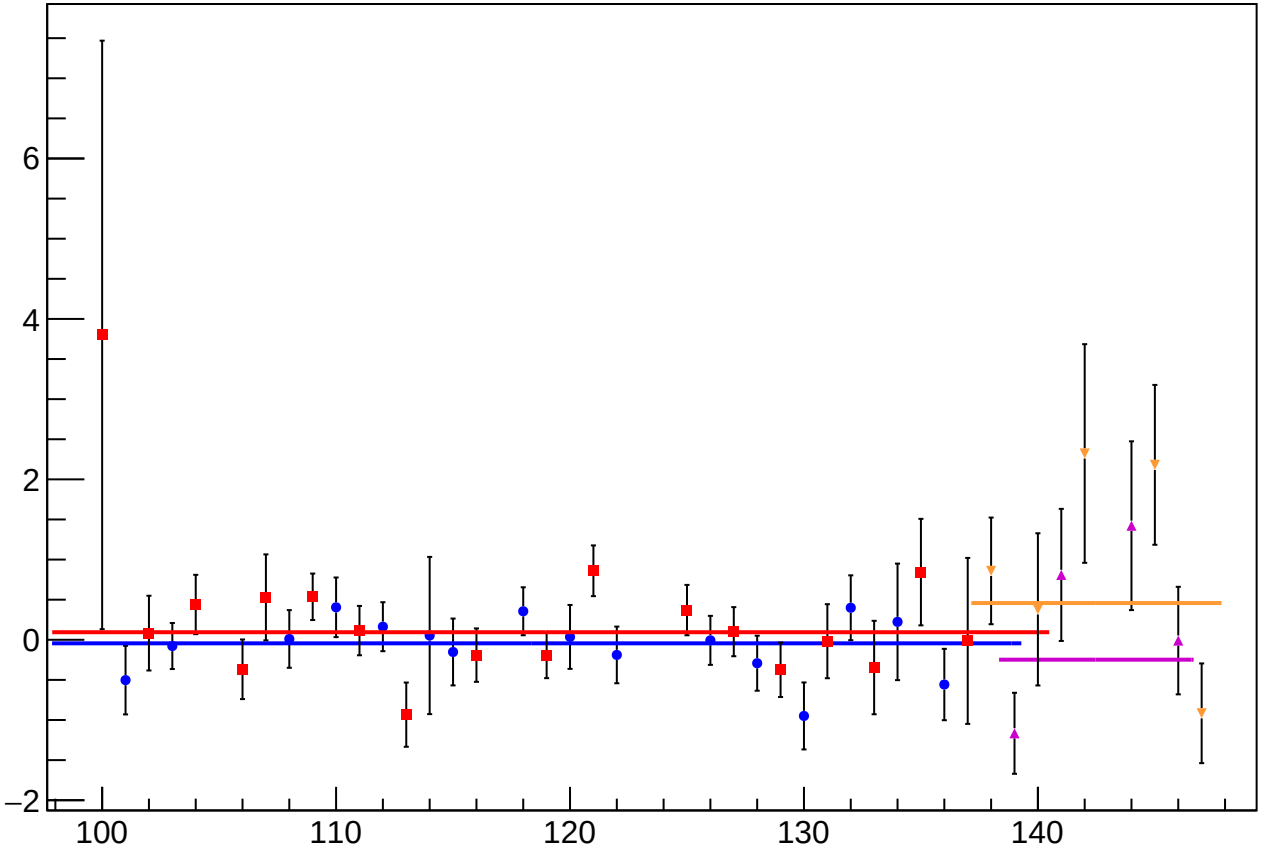
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 263.608+/-0.064 χ^2/NDF:3479539.7/19

Out: 249.348+/-0.062 χ^2/NDF:4077055.0/22

All: 256.233+/-0.044 χ^2/NDF: 7582291.4/42

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: 0.458+/-0.365 χ^2/NDF:10.1/4

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.248+/-0.342 χ^2/NDF:7.6/3

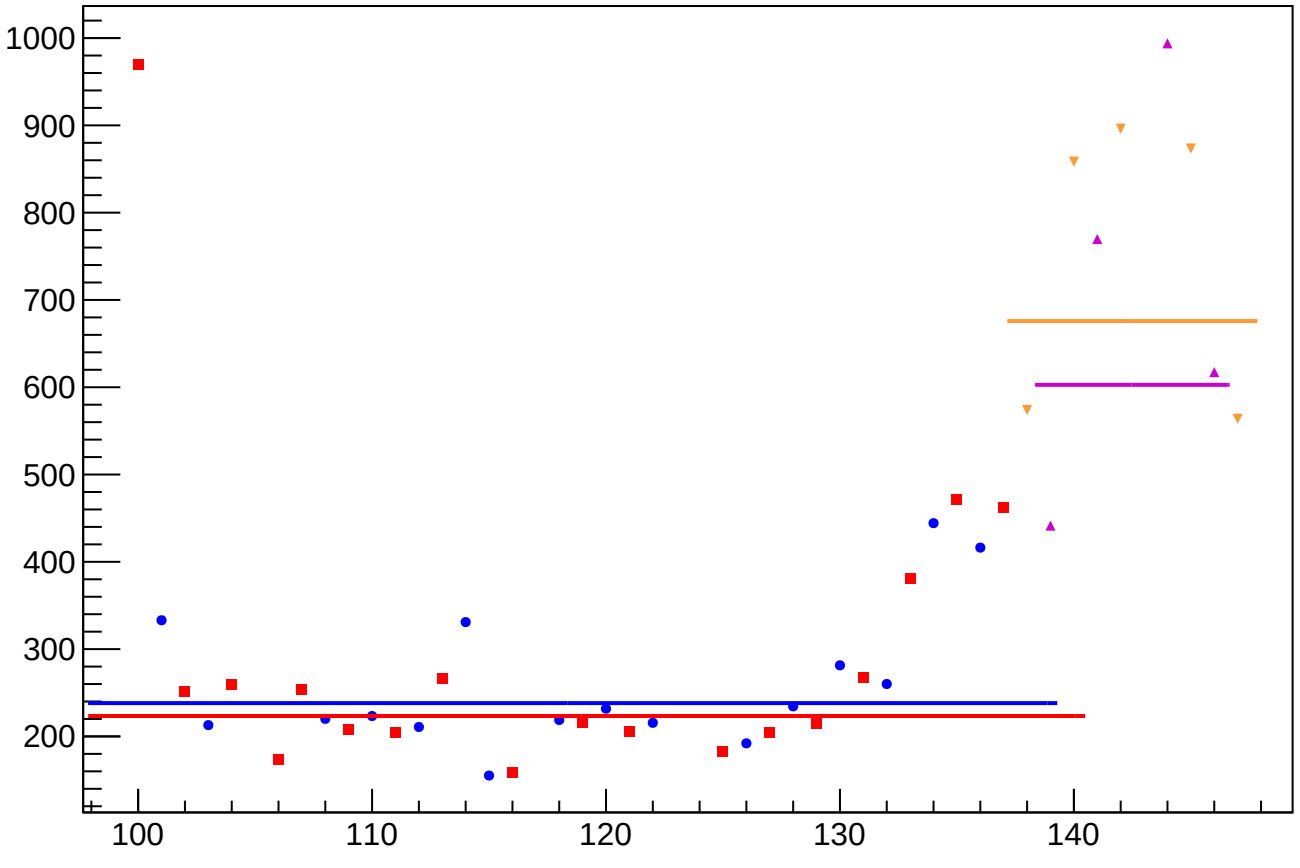
Left: 0.083+/-0.250 χ^2/NDF: 19.7/8

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.058+/-0.090 χ^2/NDF:21.0/19

Out: 0.115+/-0.087 χ^2/NDF:36.3/22

All: 0.031+/-0.063 χ^2/NDF: 59.3/42



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 675.840+/-0.258 χ^2/NDF:316899.9/4

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 602.753+/-0.242 χ^2/NDF:563792.5/3

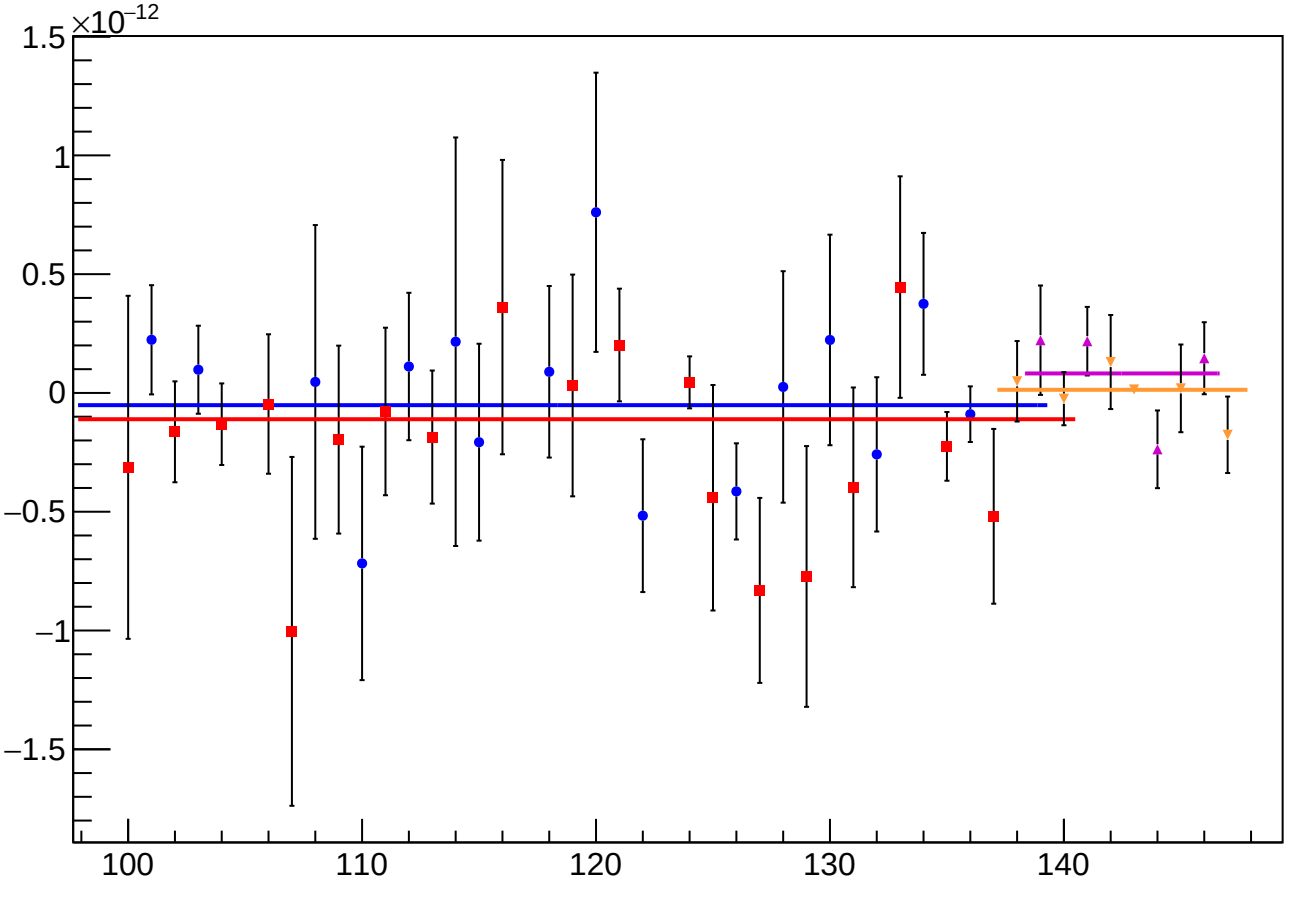
Left: 636.976+/-0.177 χ^2/NDF: 923347.5/8

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 263.608+/-0.064 χ^2/NDF:3479539.7/19

Out: 249.348+/-0.062 χ^2/NDF:4077055.0/22

All: 256.233+/-0.044 χ^2/NDF: 7582291.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/3

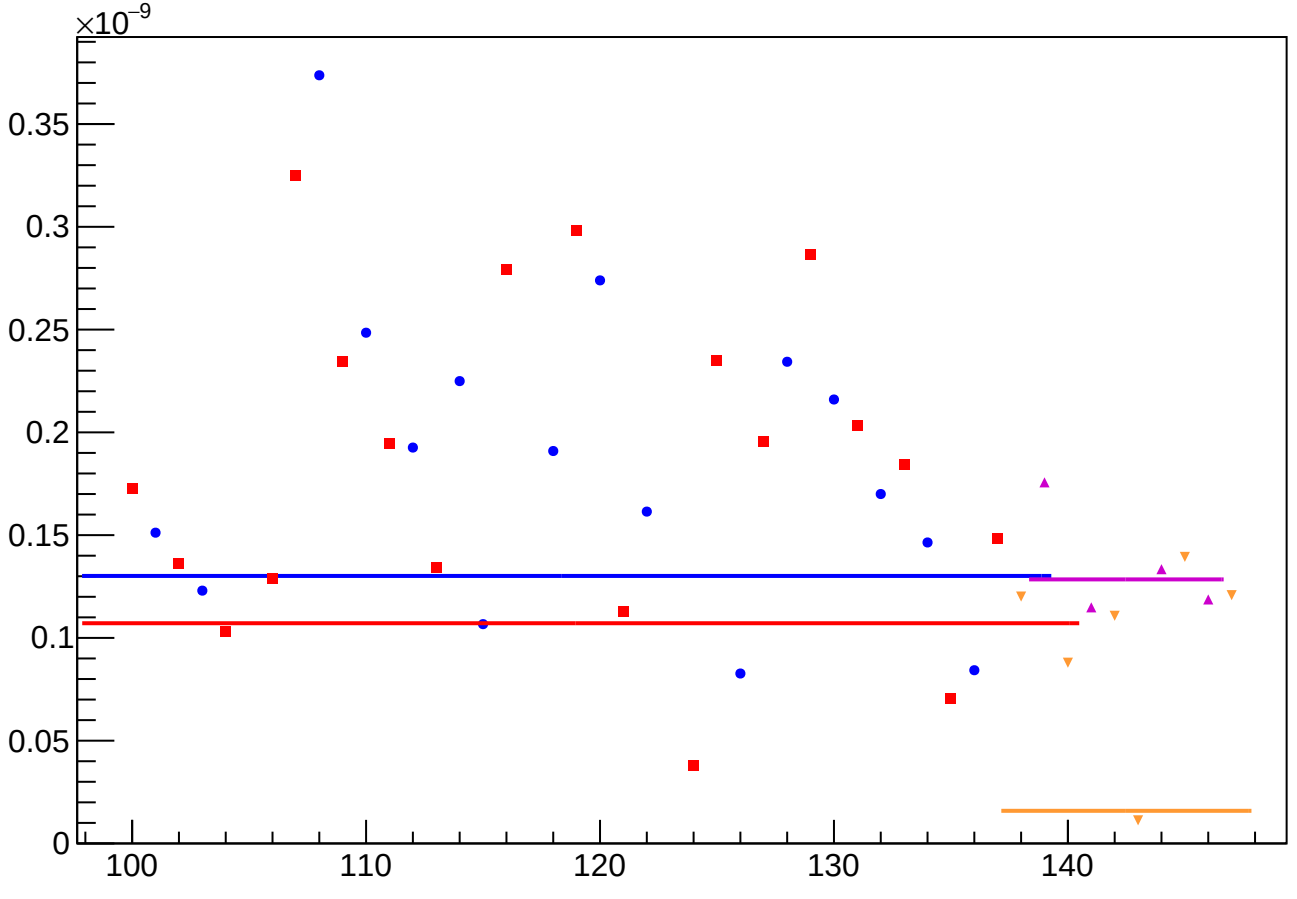
Left: 0.000+/-0.000 χ^2/NDF: 7.8/9

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: 0.000+/-0.000 χ^2/NDF:21.6/19

Out: 0.000+/-0.000 χ^2/NDF:21.4/24

All: 0.000+/-0.000 χ^2/NDF: 43.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3976518.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:111975.9/3

Left: 0.000+/-0.000 χ^2/NDF: 7713044.2/9

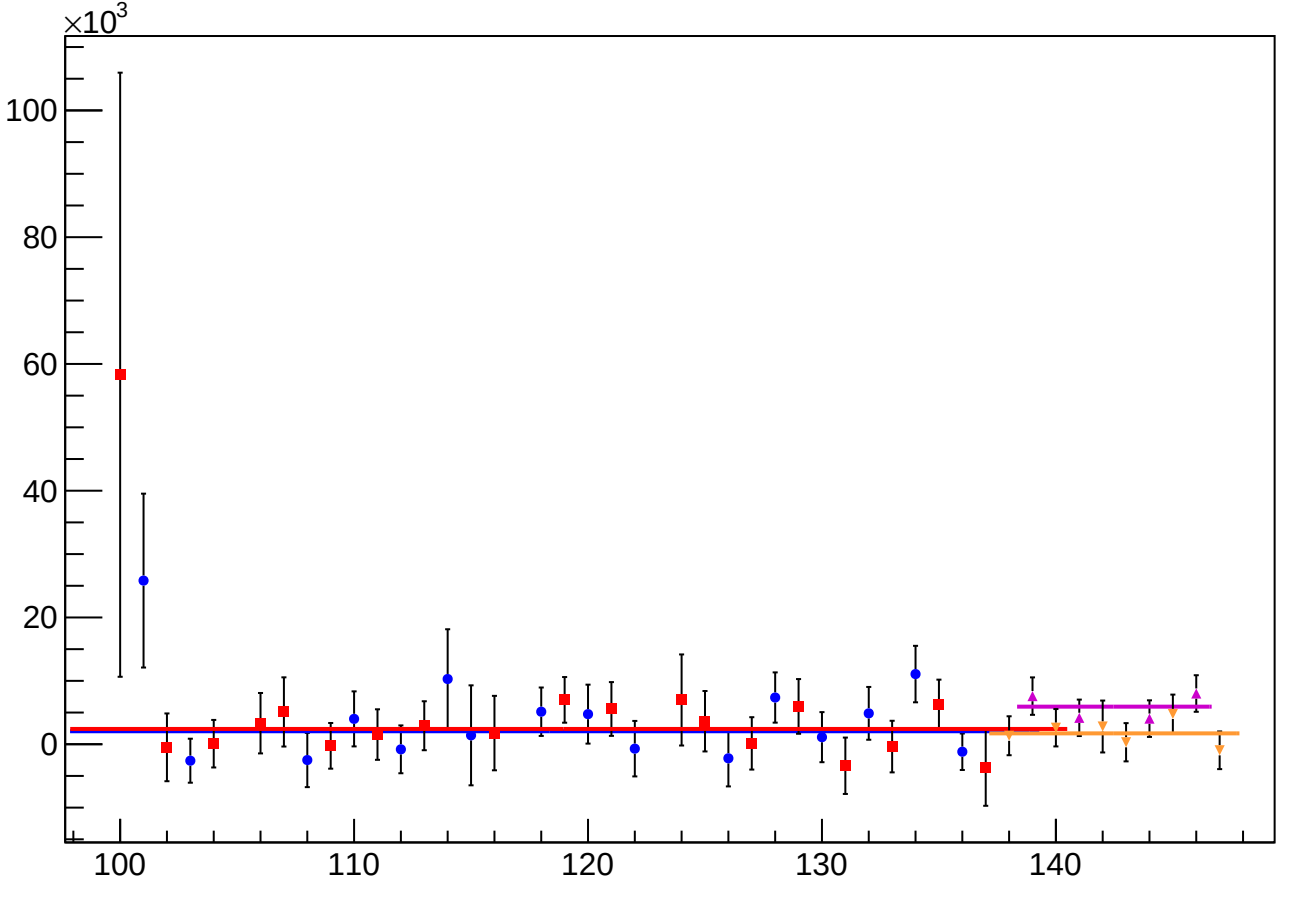
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1446745.5/19

Out: 0.000+/-0.000 χ^2/NDF:11121757.8/24

All: 0.000+/-0.000 χ^2/NDF: 20520366.0/44

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1713.694+/-1279.610 χ^2/NDF:2.2/5

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 5929.200+/-1449.731 χ^2/NDF:1.6/3

Left: 3559.710+/-959.357 χ^2/NDF: 8.6/9

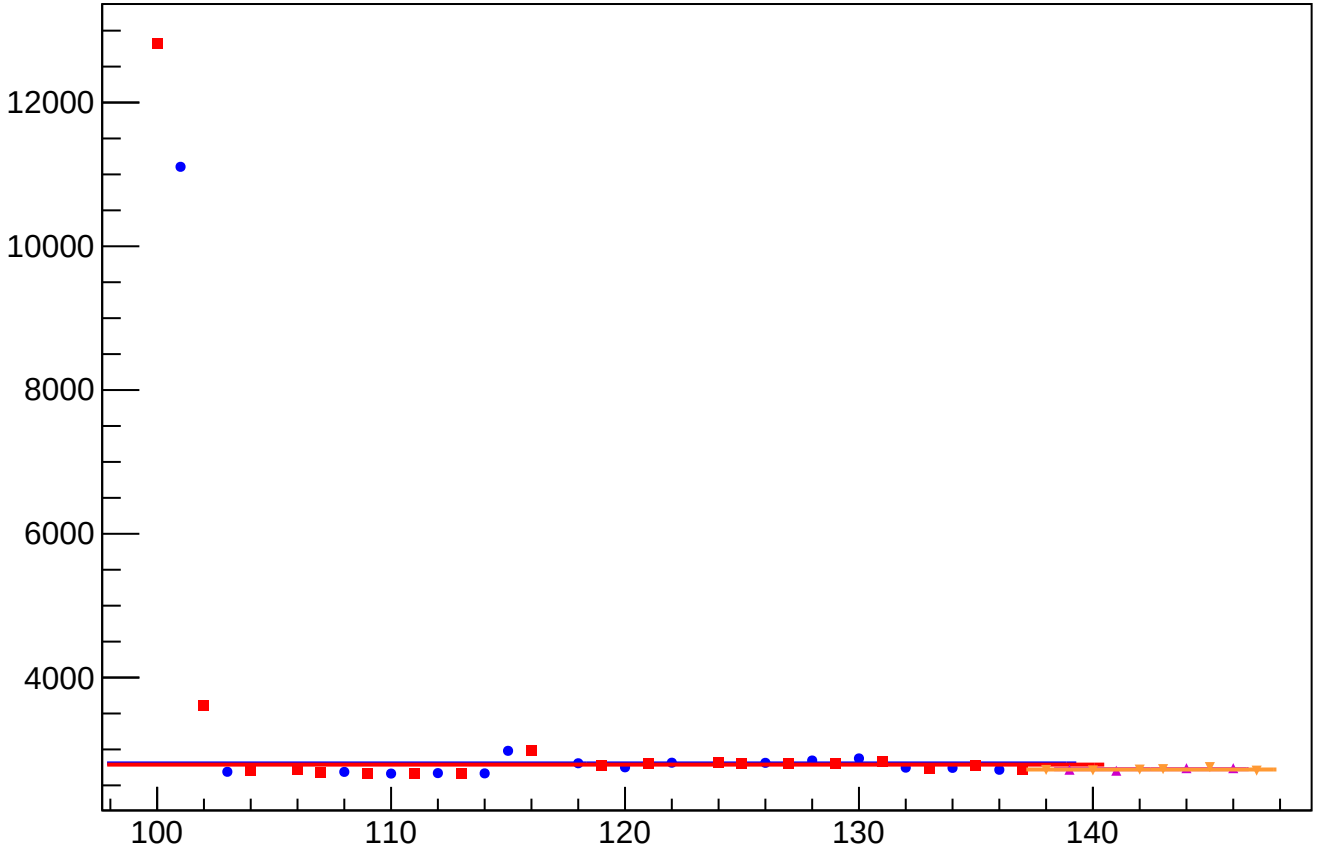
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 3418.302+/-861.111 χ^2/NDF:24.1/19

Out: 2135.592+/-804.939 χ^2/NDF:13.1/24

All: 2733.748+/-588.034 χ^2/NDF: 38.4/44

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2720.790+/-0.905 χ^2/NDF:343.2/5

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

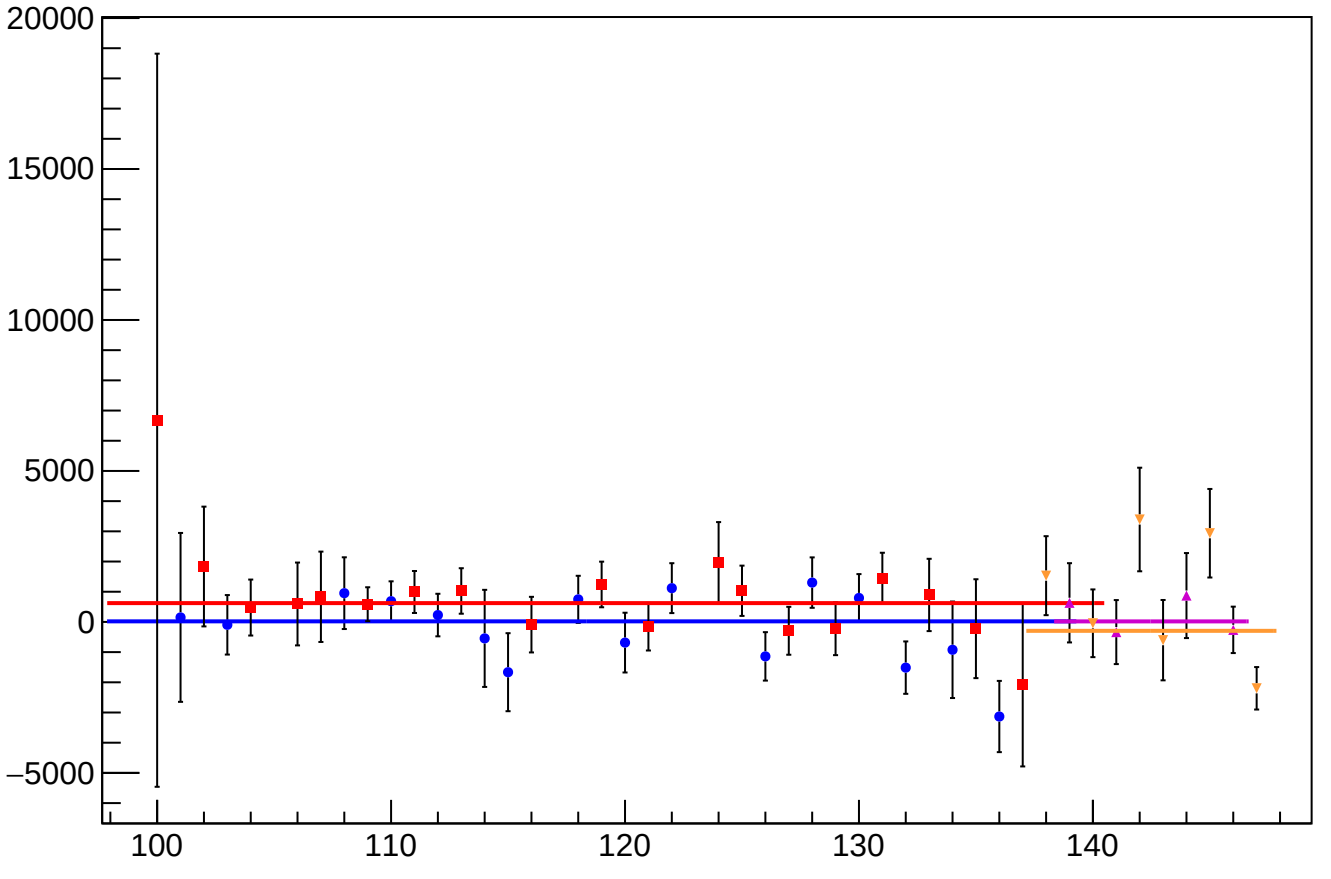
Left: 2722.810+/-0.678 χ^2/NDF: 573.9/9

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2777.205+/-0.609 χ^2/NDF:750405.8/19

Out: 2761.901+/-0.569 χ^2/NDF:150757.6/24

All: 2769.037+/-0.416 χ^2/NDF: 901500.5/44



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -295.174+/-457.780 χ^2/NDF:18.9/5

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 17.317+/-522.166 χ^2/NDF:0.8/3

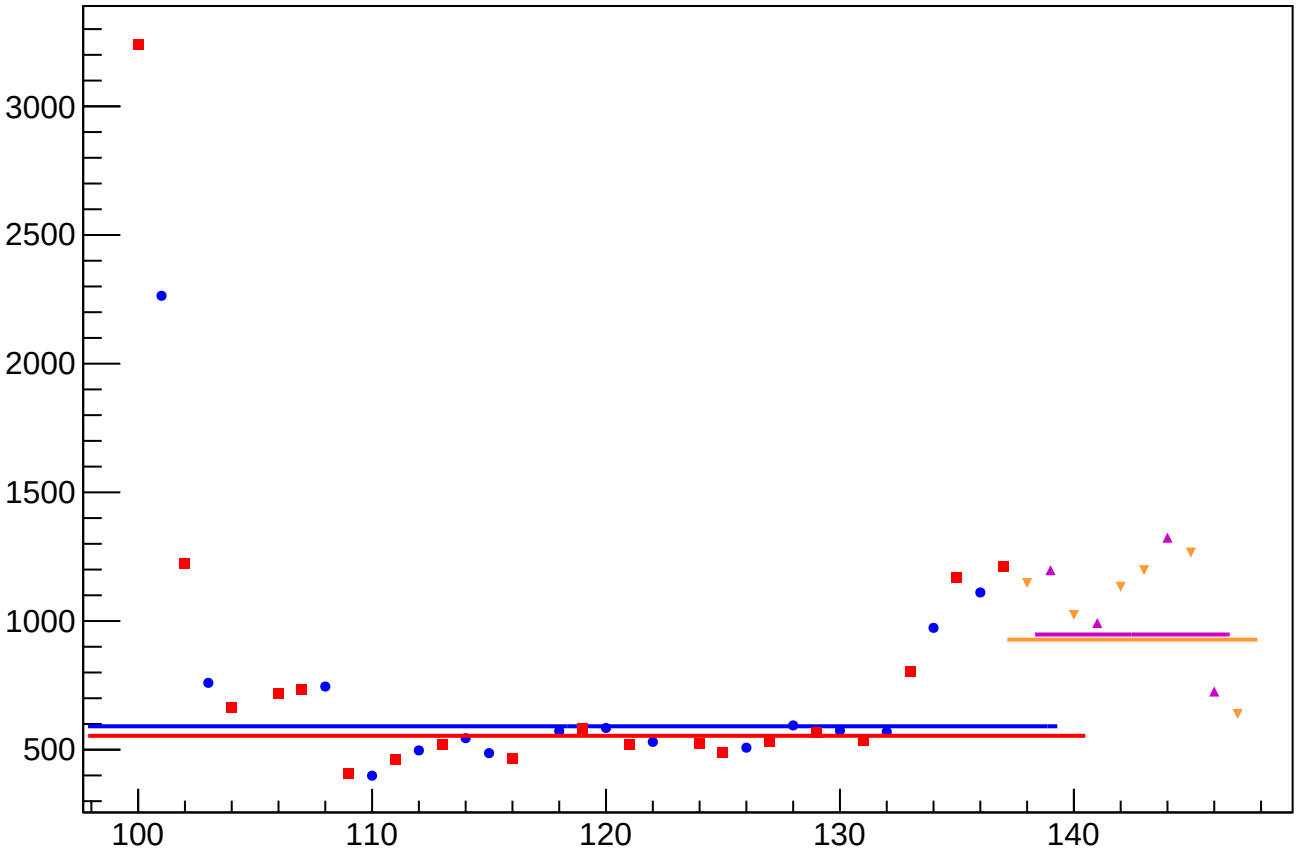
Left: -159.372+/-344.225 χ^2/NDF: 19.9/9

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 18.704+/-213.145 χ^2/NDF:23.6/19

Out: 455.959+/-195.308 χ^2/NDF:31.4/24

All: 256.390+/-143.997 χ^2/NDF: 57.3/44



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 927.592+/-0.324 χ^2/NDF:626238.7/5

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 947.646+/-0.369 χ^2/NDF:385028.8/3

Left: 936.307+/-0.243 χ^2/NDF: 1012935.4/9

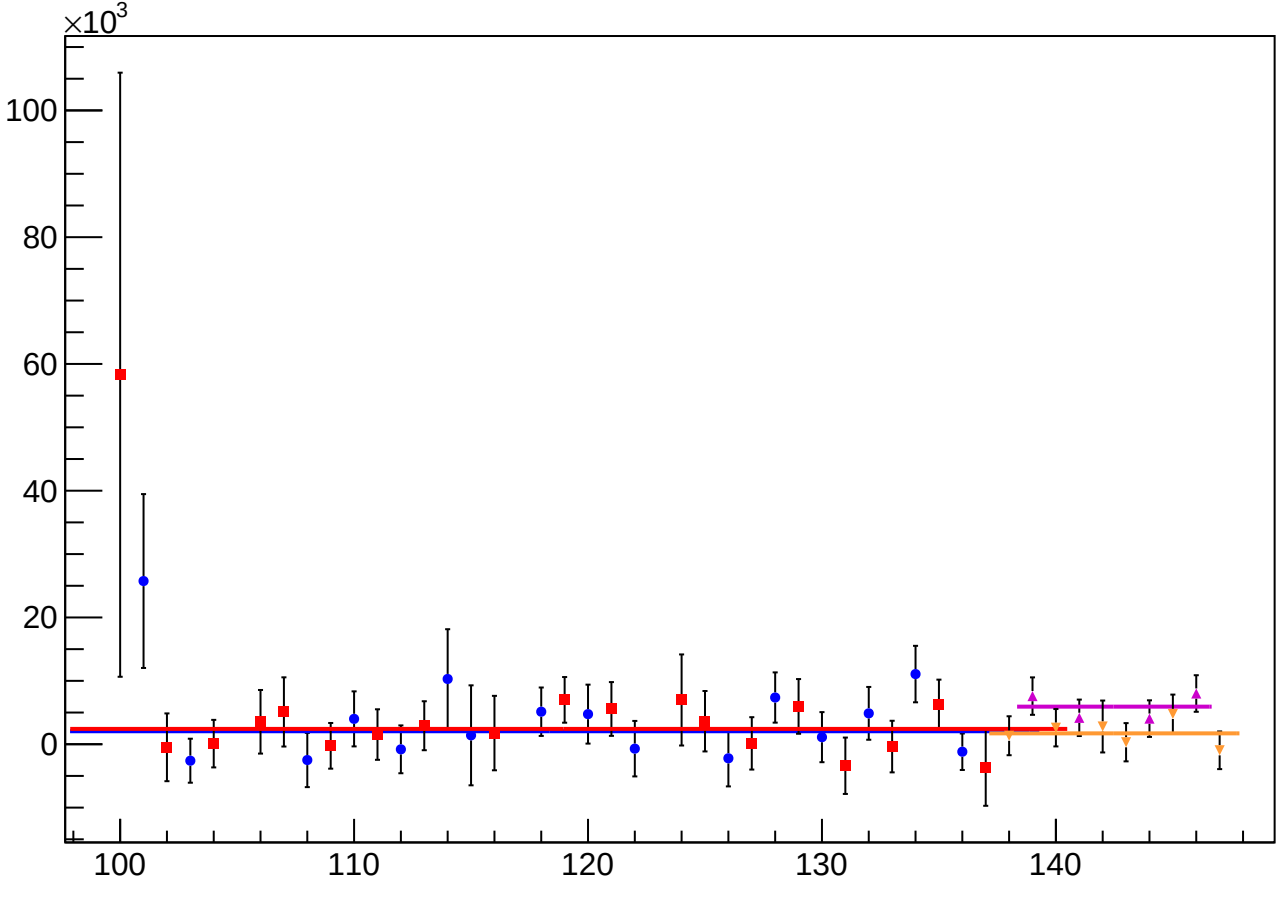
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 650.459+/-0.151 χ^2/NDF:2730062.2/19

Out: 621.987+/-0.138 χ^2/NDF:2832822.9/24

All: 634.982+/-0.102 χ^2/NDF: 5582284.5/44

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1713.795+/-1279.610 χ^2/NDF:2.2/5

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 5929.467+/-1449.731 χ^2/NDF:1.6/3

Left: 3559.884+/-959.357 χ^2/NDF: 8.6/9

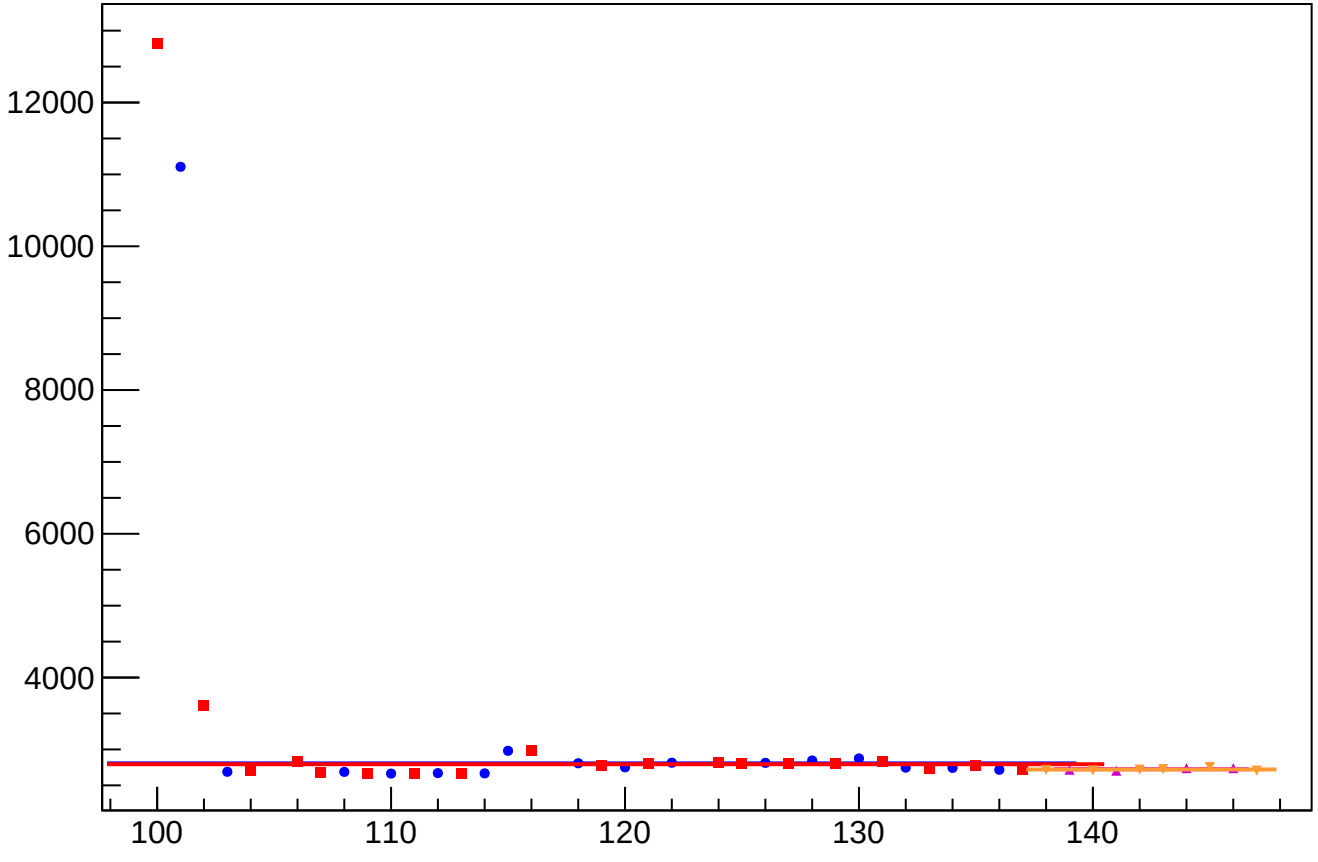
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 3417.874+/-861.111 χ^2/NDF:24.1/19

Out: 2138.514+/-806.057 χ^2/NDF:13.2/24

All: 2735.993+/-588.470 χ^2/NDF: 38.4/44

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.790+/-0.905 χ^2/NDF:343.2/5

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

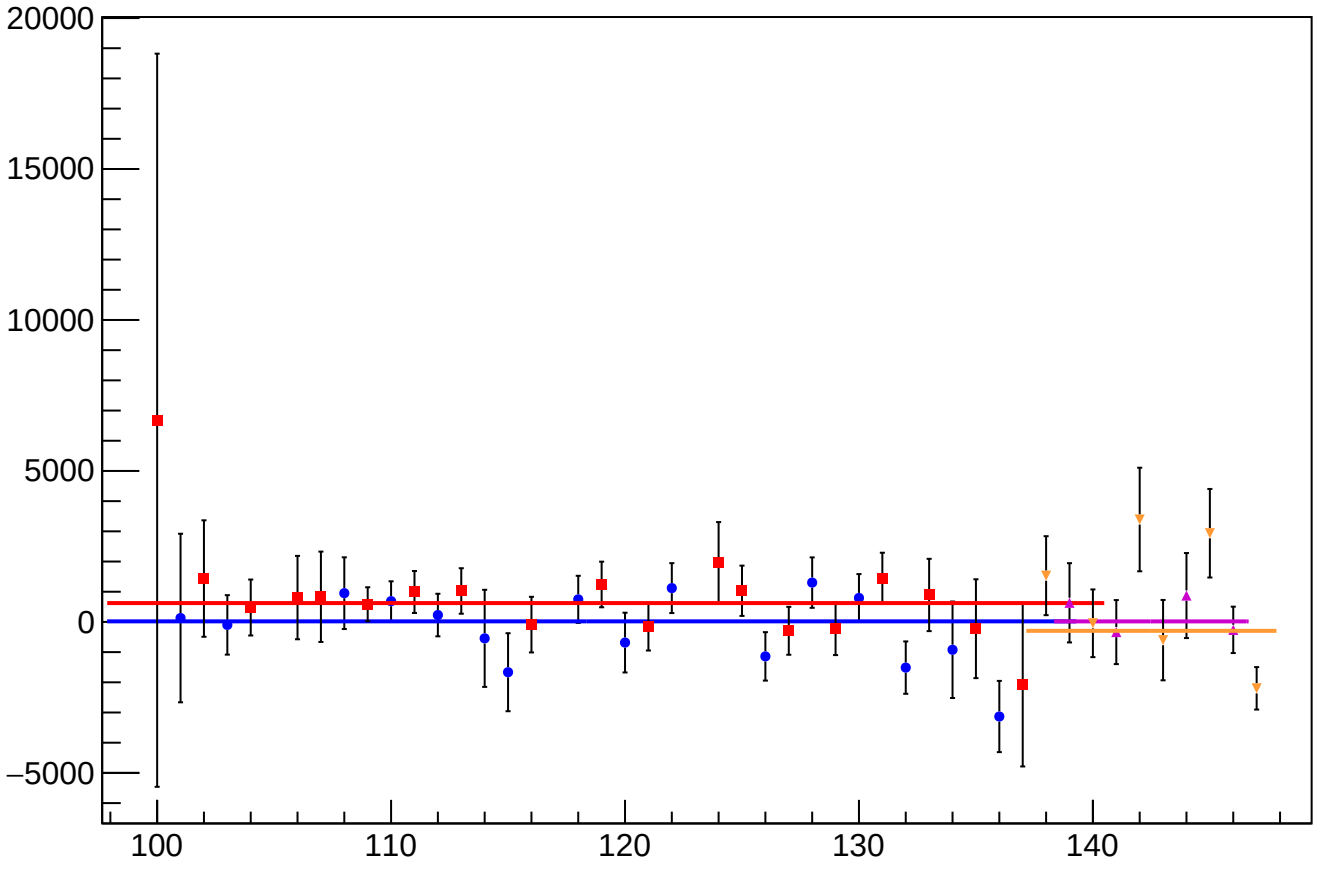
Left: 2722.810+/-0.678 χ^2/NDF: 573.9/9

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2777.205+/-0.609 χ^2/NDF:750404.9/19

Out: 2765.045+/-0.570 χ^2/NDF:151053.3/24

All: 2770.724+/-0.416 χ^2/NDF: 901670.8/44



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -295.498+/-457.784 χ^2/NDF:18.9/5

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 17.305+/-522.167 χ^2/NDF:0.8/3

Left: -159.560+/-344.227 χ^2/NDF: 19.9/9

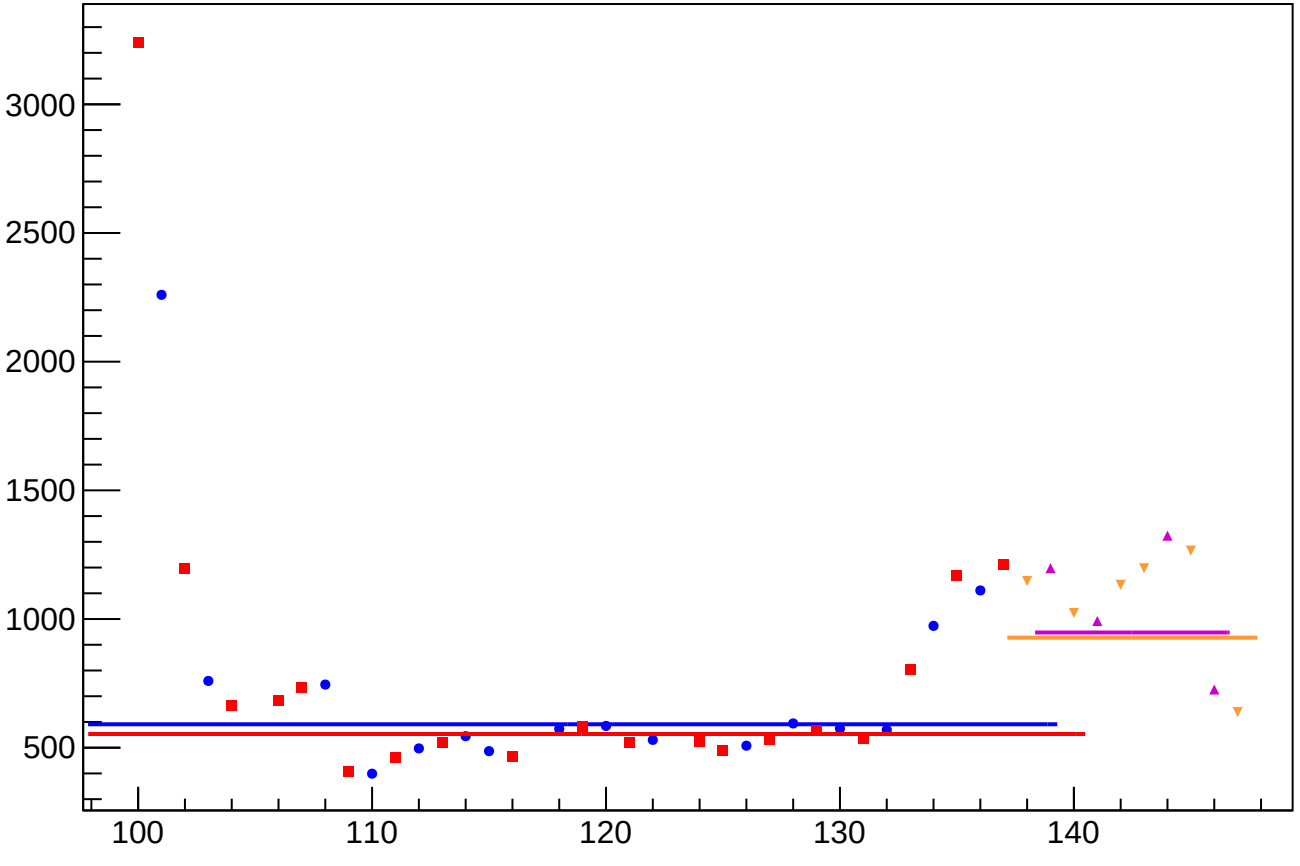
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 18.668+/-213.137 χ^2/NDF:23.6/19

Out: 456.869+/-195.274 χ^2/NDF:31.3/24

All: 256.897+/-143.981 χ^2/NDF: 57.2/44

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 927.601+/-0.324 χ^2/NDF:626158.0/5

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 947.645+/-0.369 χ^2/NDF:385033.4/3

Left: 936.312+/-0.243 χ^2/NDF: 1012857.6/9

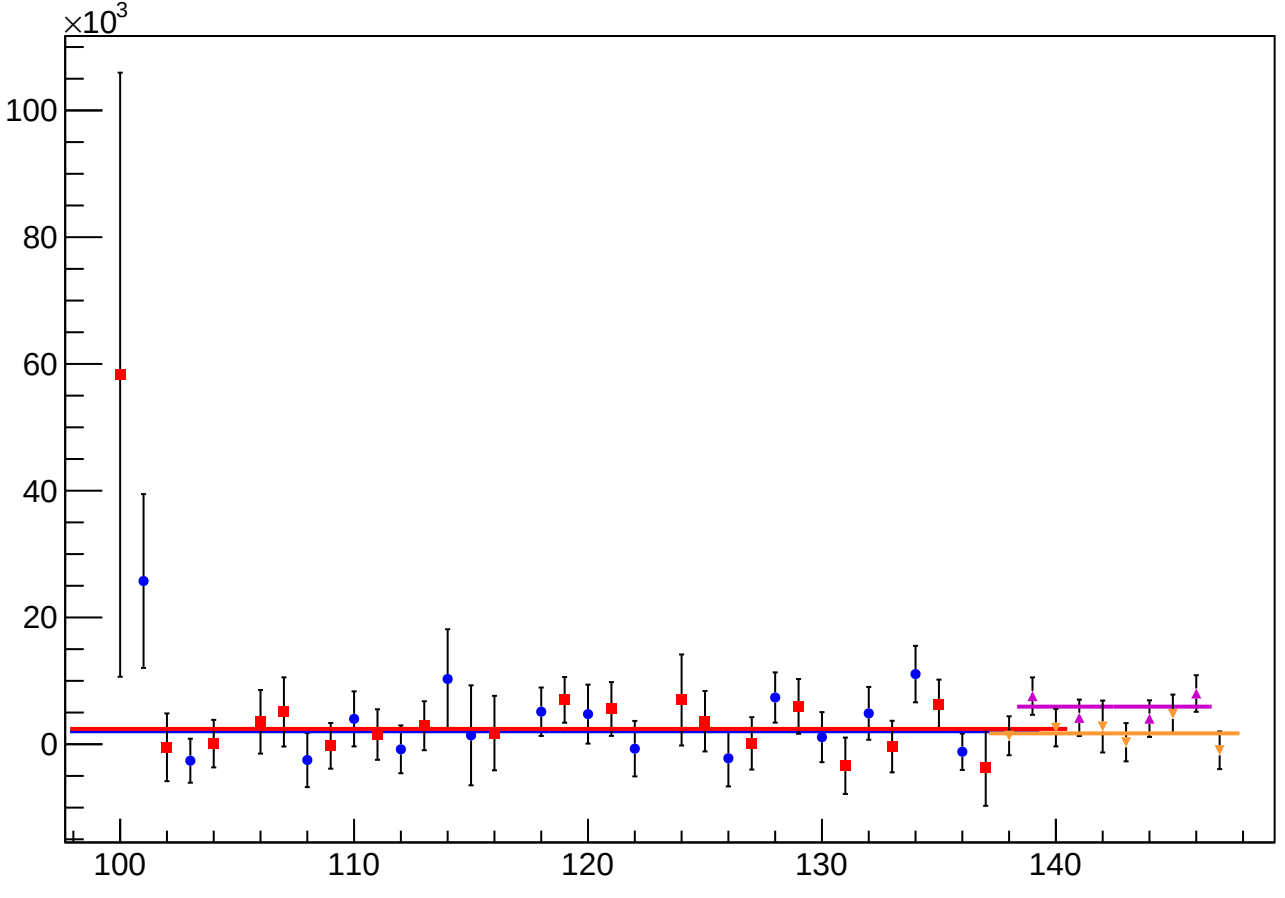
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 650.453+/-0.151 χ^2/NDF:2729053.2/19

Out: 621.352+/-0.138 χ^2/NDF:2821976.2/24

All: 634.632+/-0.102 χ^2/NDF: 5571299.6/44

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1713.795+/-1279.610 χ^2/NDF:2.2/5

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 5929.467+/-1449.731 χ^2/NDF:1.6/3

Left: 3559.884+/-959.357 χ^2/NDF: 8.6/9

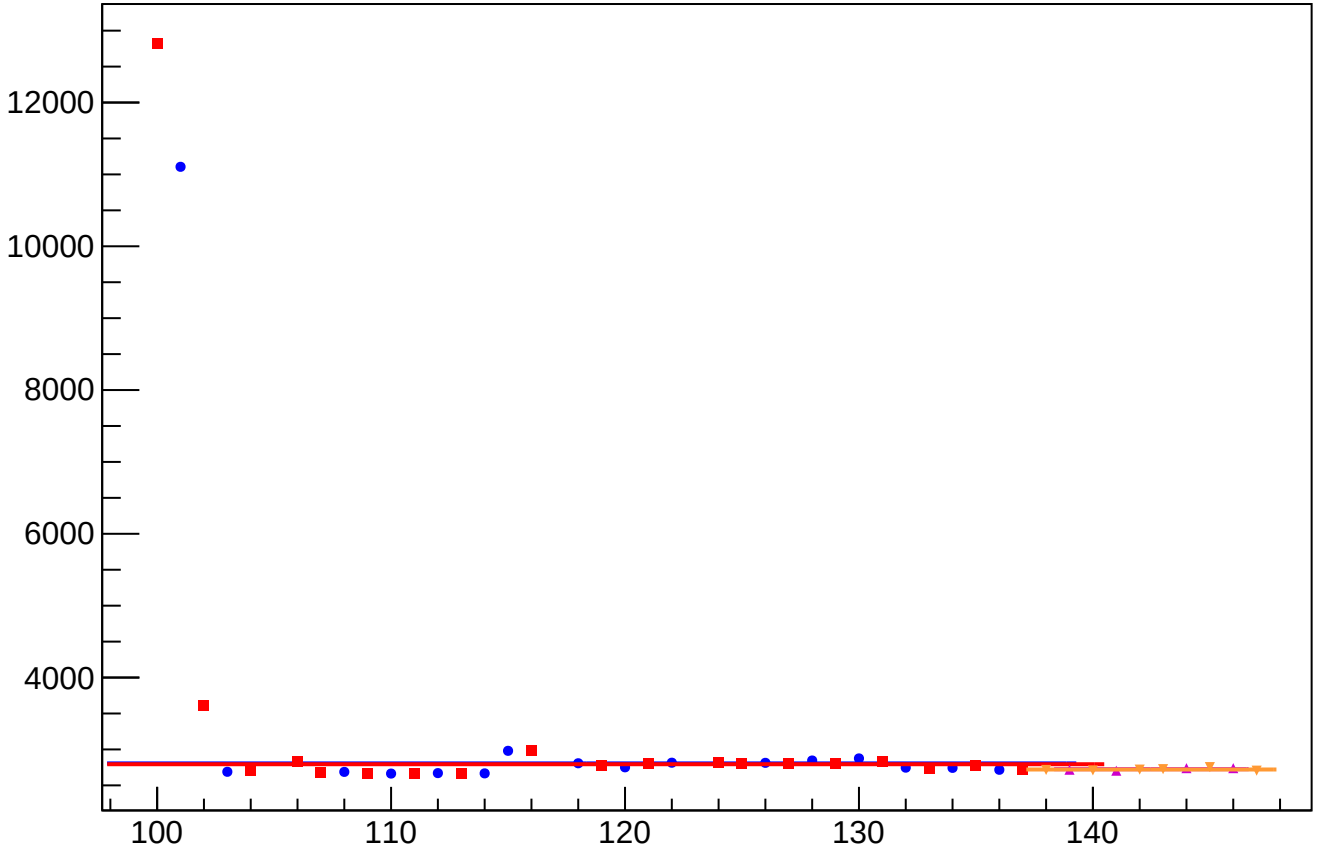
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 3417.874+/-861.111 χ^2/NDF:24.1/19

Out: 2138.514+/-806.057 χ^2/NDF:13.2/24

All: 2735.993+/-588.470 χ^2/NDF: 38.4/44

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2720.790+/-0.905 χ^2/NDF:343.2/5

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2725.402+/-1.025 χ^2/NDF:219.3/3

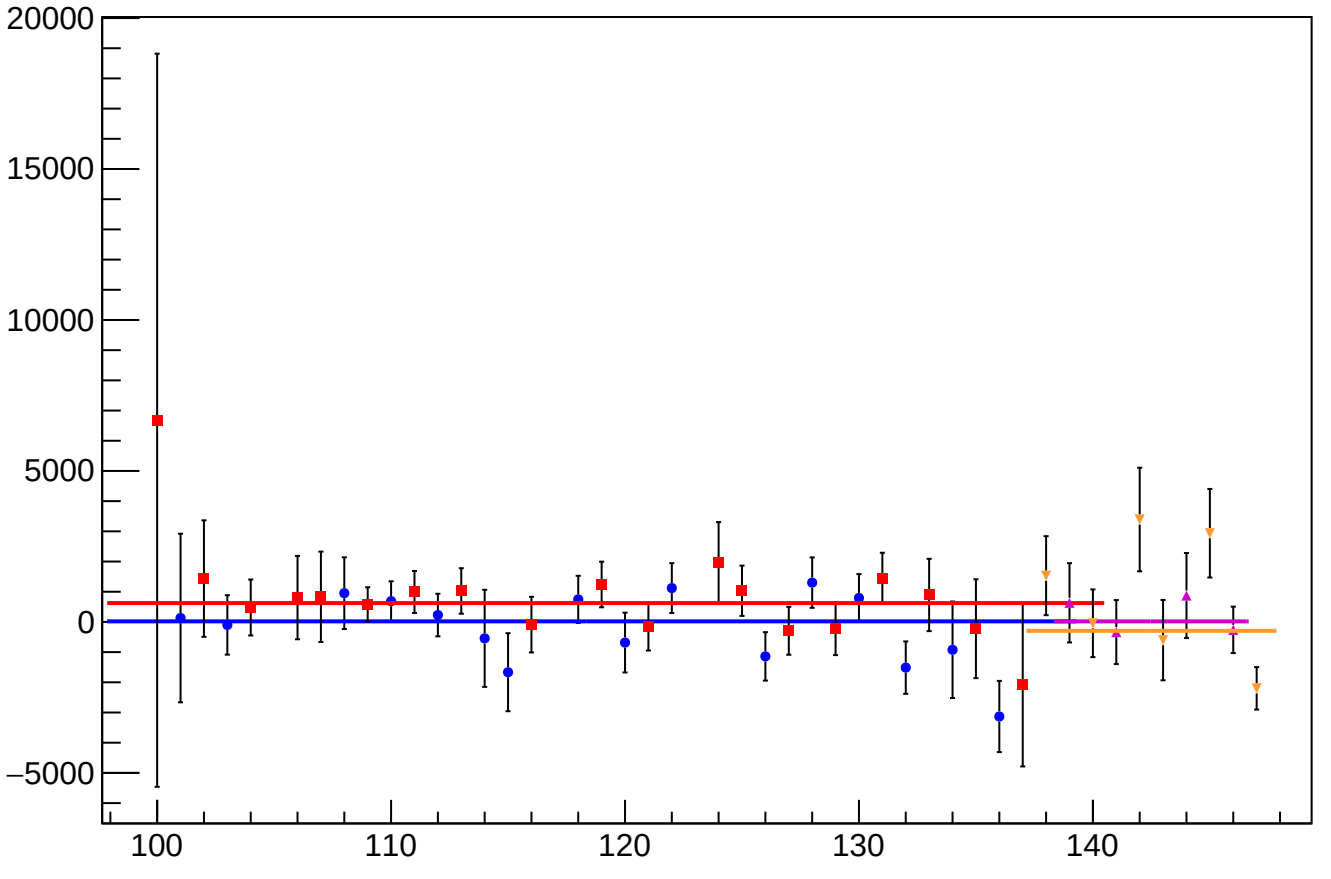
Left: 2722.810+/-0.678 χ^2/NDF: 573.9/9

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2777.205+/-0.609 χ^2/NDF:750404.9/19

Out: 2765.045+/-0.570 χ^2/NDF:151053.3/24

All: 2770.724+/-0.416 χ^2/NDF: 901670.8/44



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -295.498+/-457.784 χ^2/NDF:18.9/5

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 17.305+/-522.167 χ^2/NDF:0.8/3

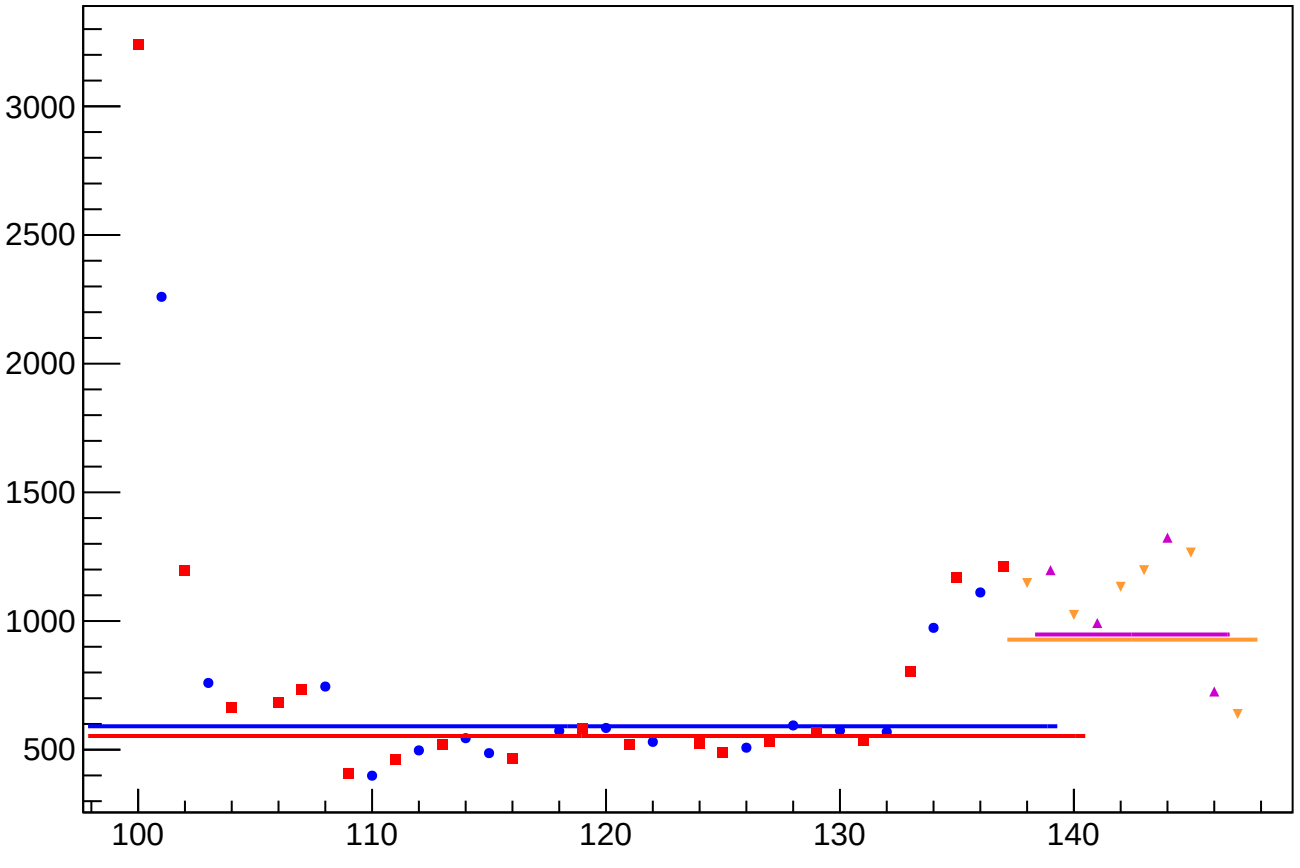
Left: -159.560+/-344.227 χ^2/NDF: 19.9/9

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 18.668+/-213.137 χ^2/NDF:23.6/19

Out: 456.869+/-195.274 χ^2/NDF:31.3/24

All: 256.897+/-143.981 χ^2/NDF: 57.2/44



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 927.601+/-0.324 χ^2/NDF:626158.0/5

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 947.645+/-0.369 χ^2/NDF:385033.4/3

Left: 936.312+/-0.243 χ^2/NDF: 1012857.6/9

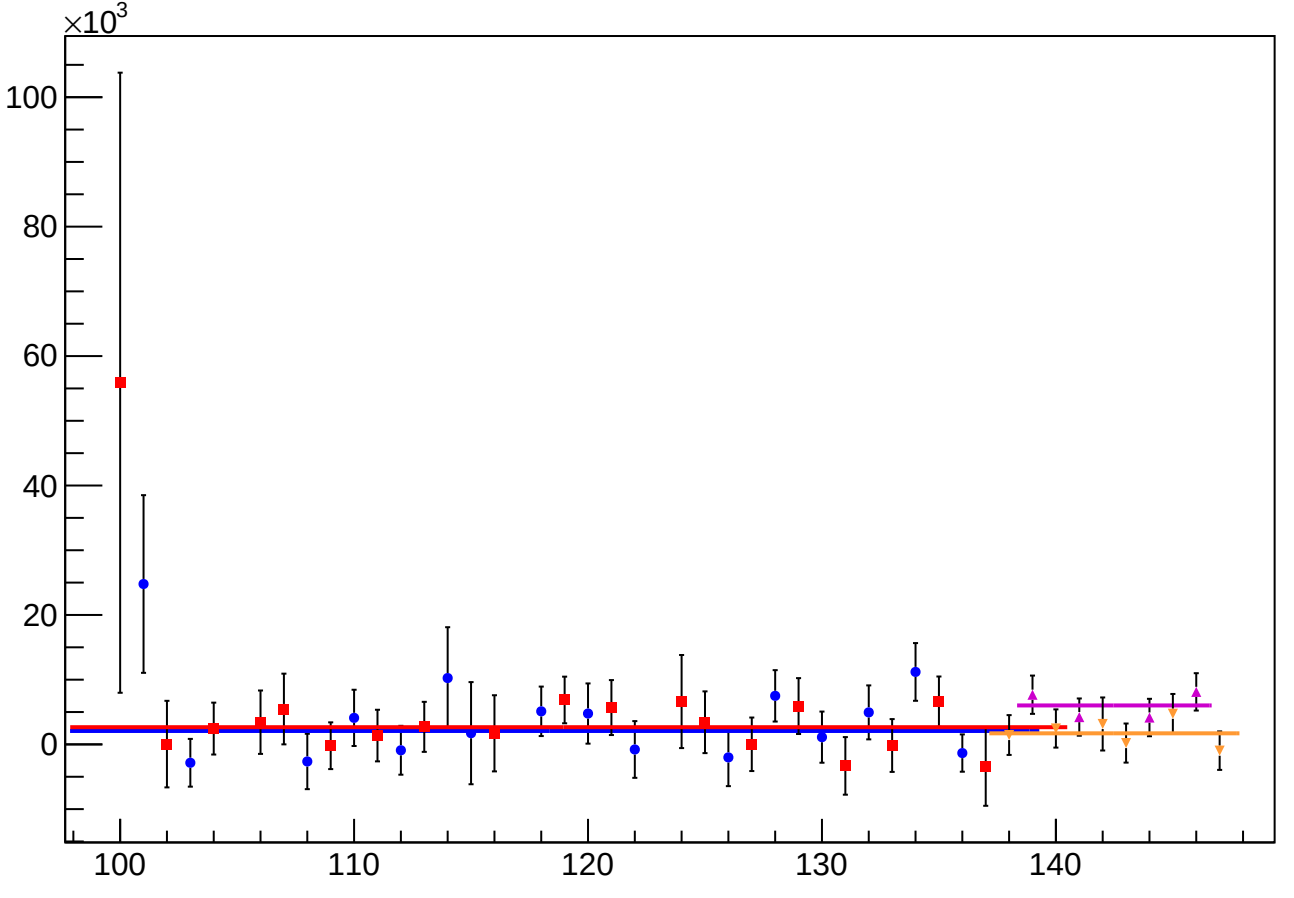
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 650.453+/-0.151 χ^2/NDF:2729053.2/19

Out: 621.352+/-0.138 χ^2/NDF:2821976.2/24

All: 634.632+/-0.102 χ^2/NDF: 5571299.6/44

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1710.404+/-1280.759 χ^2/NDF:2.2/5

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 6019.407+/-1451.078 χ^2/NDF:1.6/3

Left: 3597.297+/-960.232 χ^2/NDF: 8.8/9

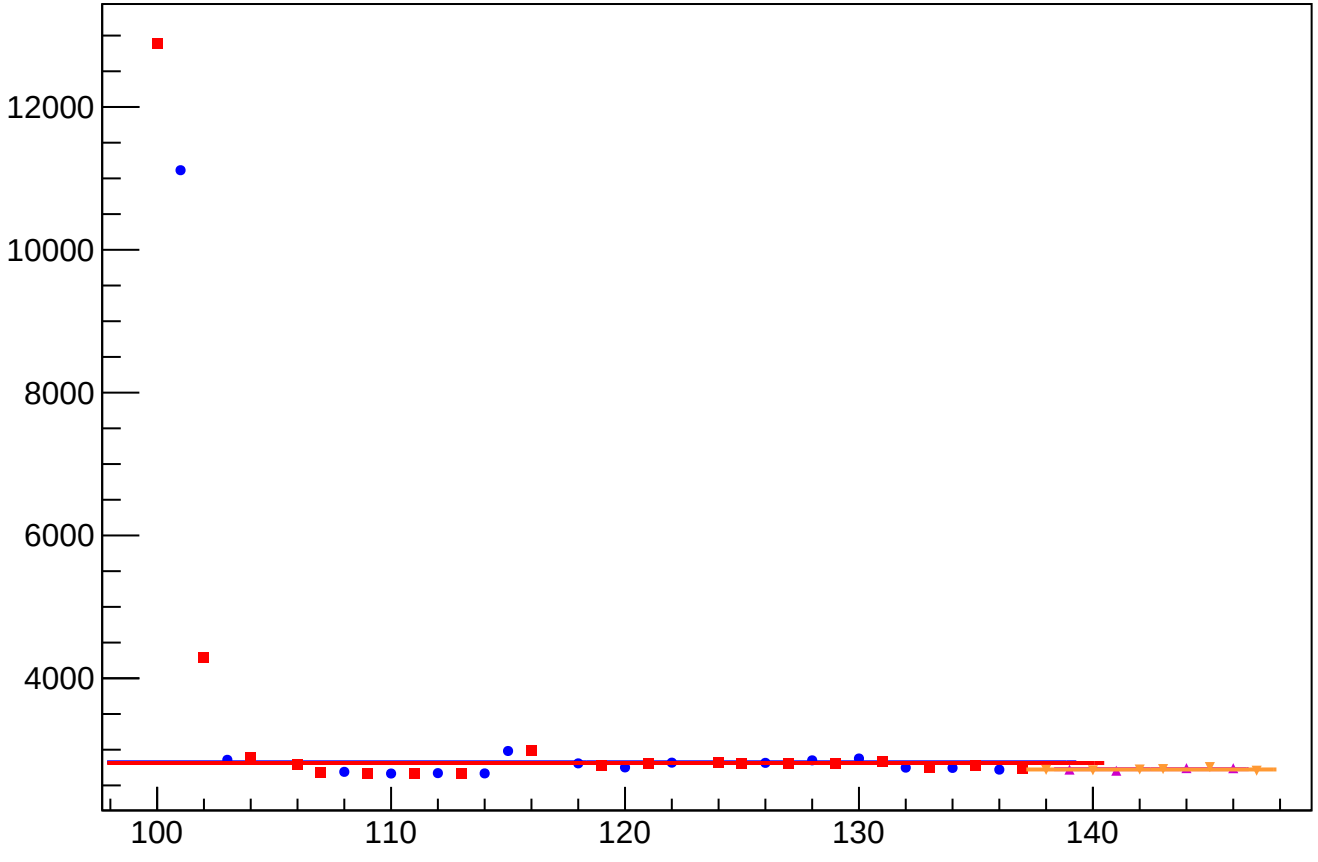
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 3476.212+/-864.919 χ^2/NDF:24.3/19

Out: 2276.748+/-811.939 χ^2/NDF:12.5/24

All: 2838.622+/-591.972 χ^2/NDF: 37.8/44

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2723.225+/-0.906 χ^2/NDF:354.2/5

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2727.907+/-1.026 χ^2/NDF:217.4/3

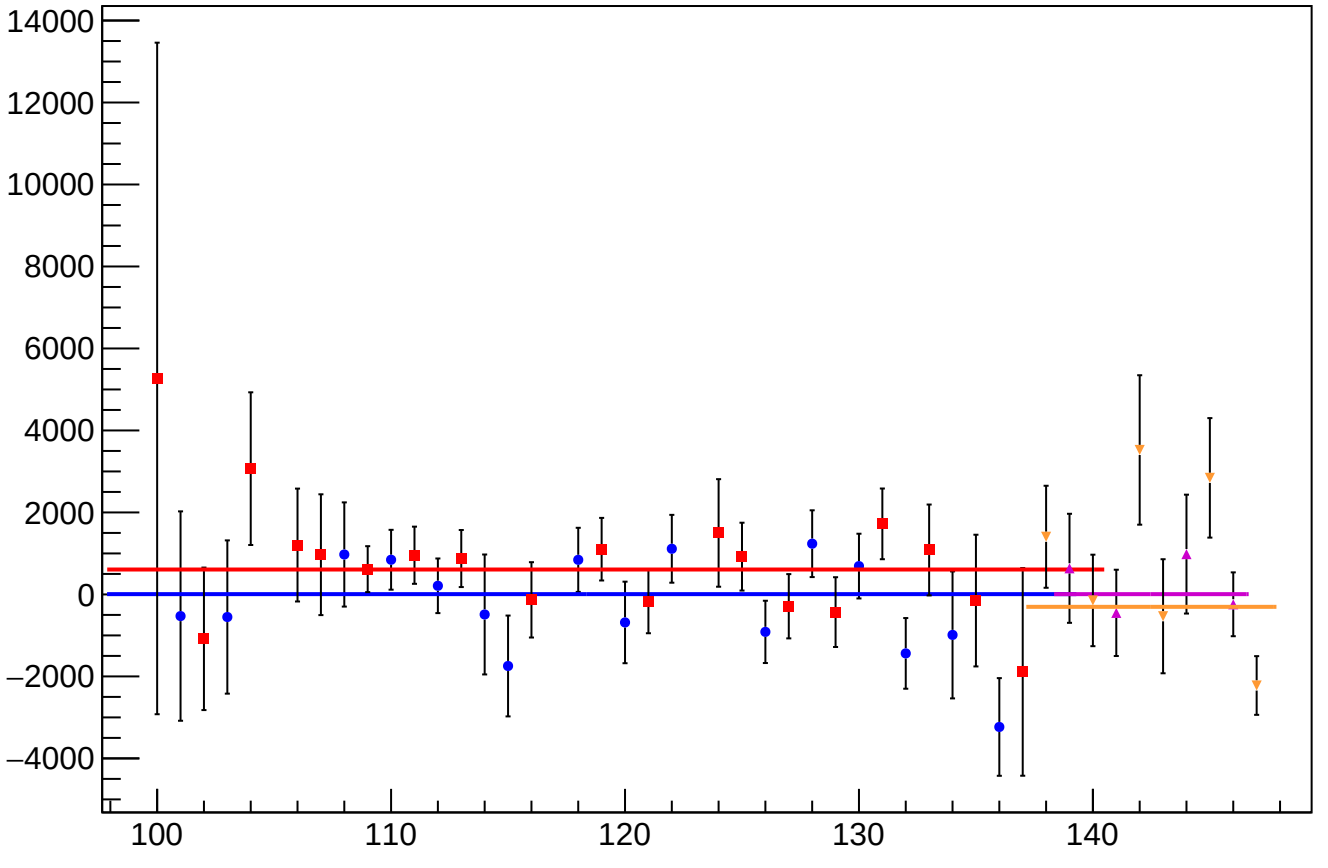
Left: 2725.275+/-0.679 χ^2/NDF: 583.3/9

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2789.504+/-0.612 χ^2/NDF:749723.4/19

Out: 2777.411+/-0.574 χ^2/NDF:206851.5/24

All: 2783.076+/-0.419 χ^2/NDF: 956782.7/44



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -302.812+/-461.862 χ^2/NDF:18.2/5

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 6.778+/-527.554 χ^2/NDF:1.0/3

Left: -168.482+/-347.504 χ^2/NDF: 19.3/9

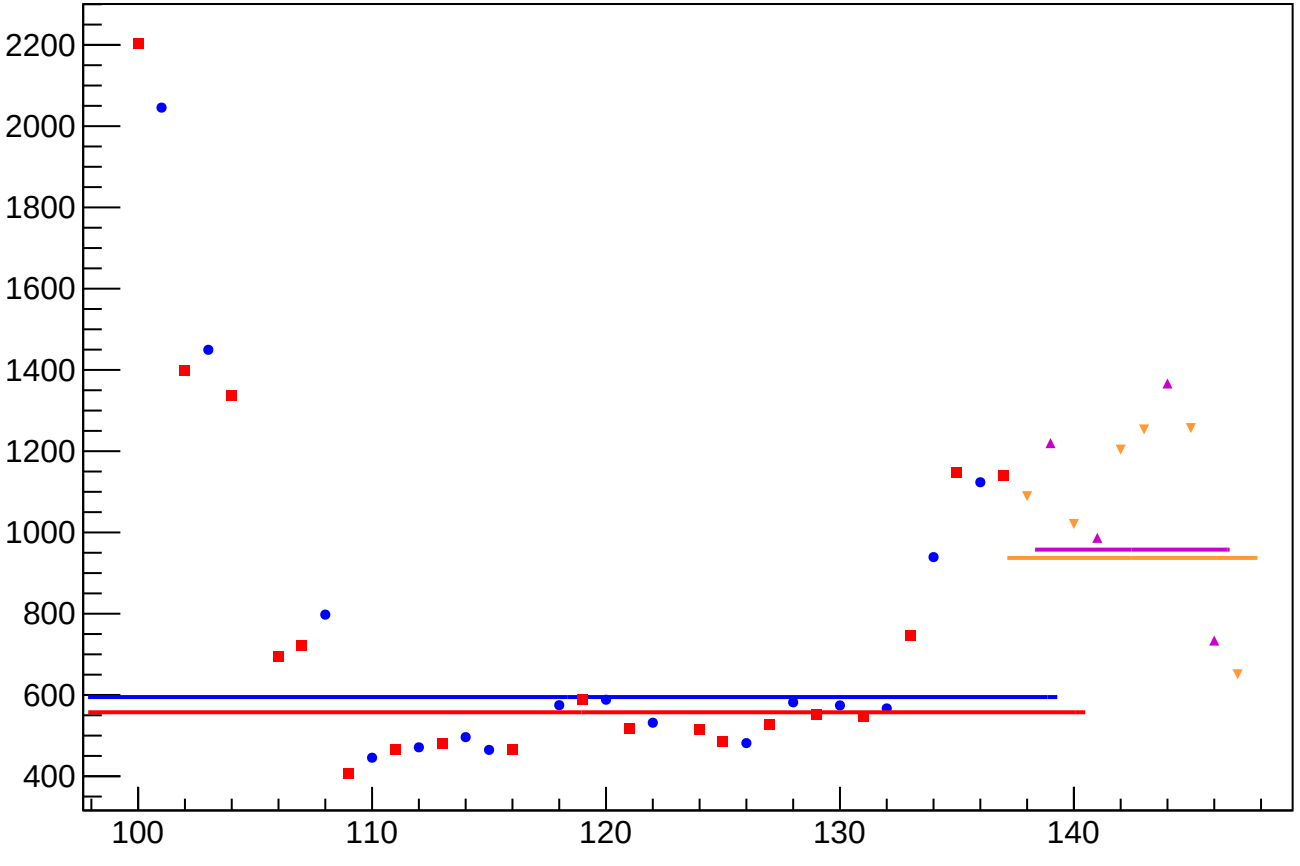
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 7.003+/-216.532 χ^2/NDF:23.8/19

Out: 442.893+/-196.472 χ^2/NDF:33.5/24

All: 246.070+/-145.503 χ^2/NDF: 59.5/44

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 937.363+/-0.327 χ^2/NDF:603180.9/5

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 957.738+/-0.373 χ^2/NDF:403529.9/3

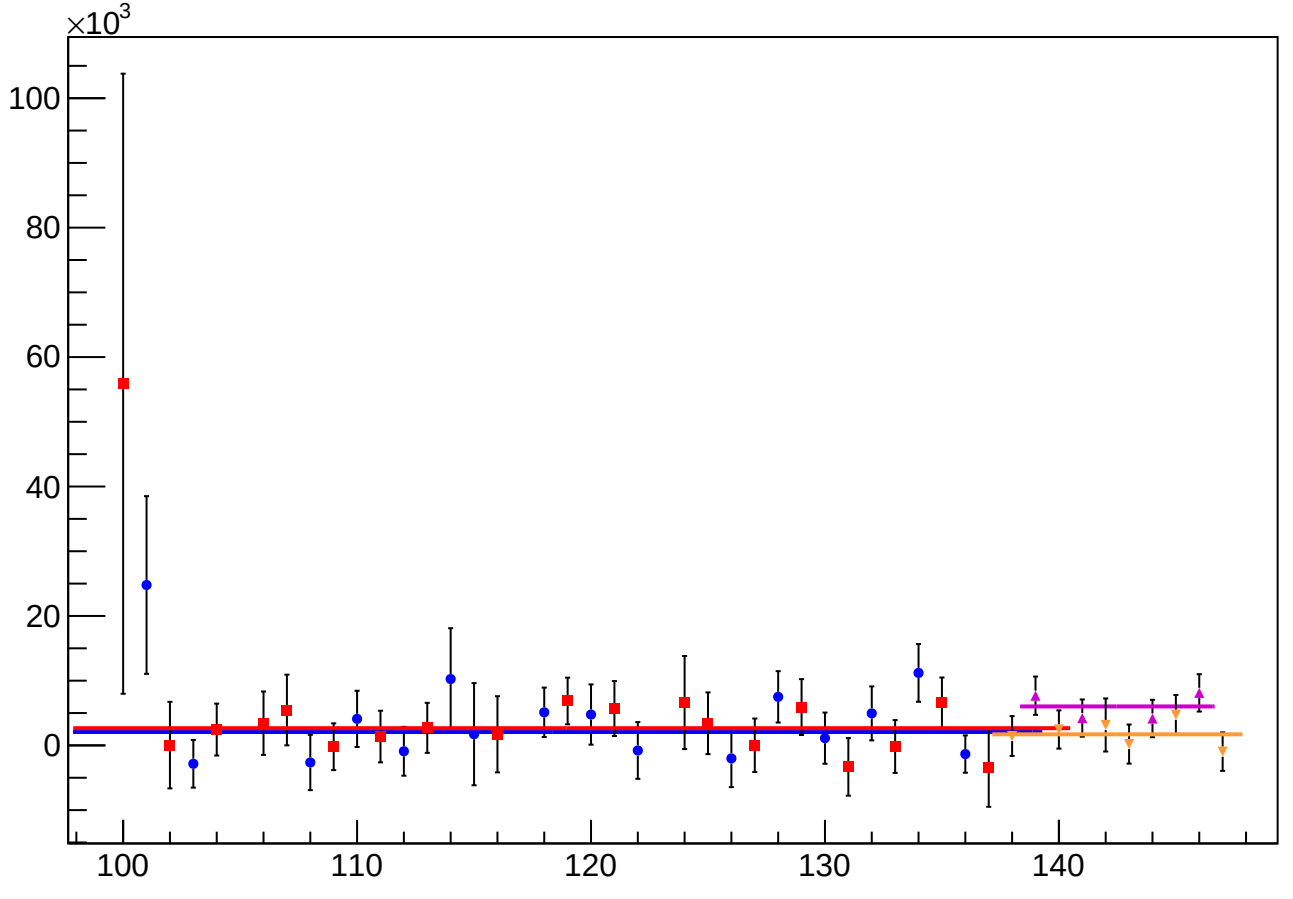
Left: 946.203+/-0.246 χ^2/NDF: 1008399.7/9

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 655.990+/-0.153 χ^2/NDF:3043055.2/19

Out: 626.155+/-0.139 χ^2/NDF:3343157.9/24

All: 639.627+/-0.103 χ^2/NDF: 6407038.9/44



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1710.406+/-1280.759 χ^2/NDF:2.2/5

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 6019.407+/-1451.078 χ^2/NDF:1.6/3

Left: 3597.298+/-960.232 χ^2/NDF: 8.8/9

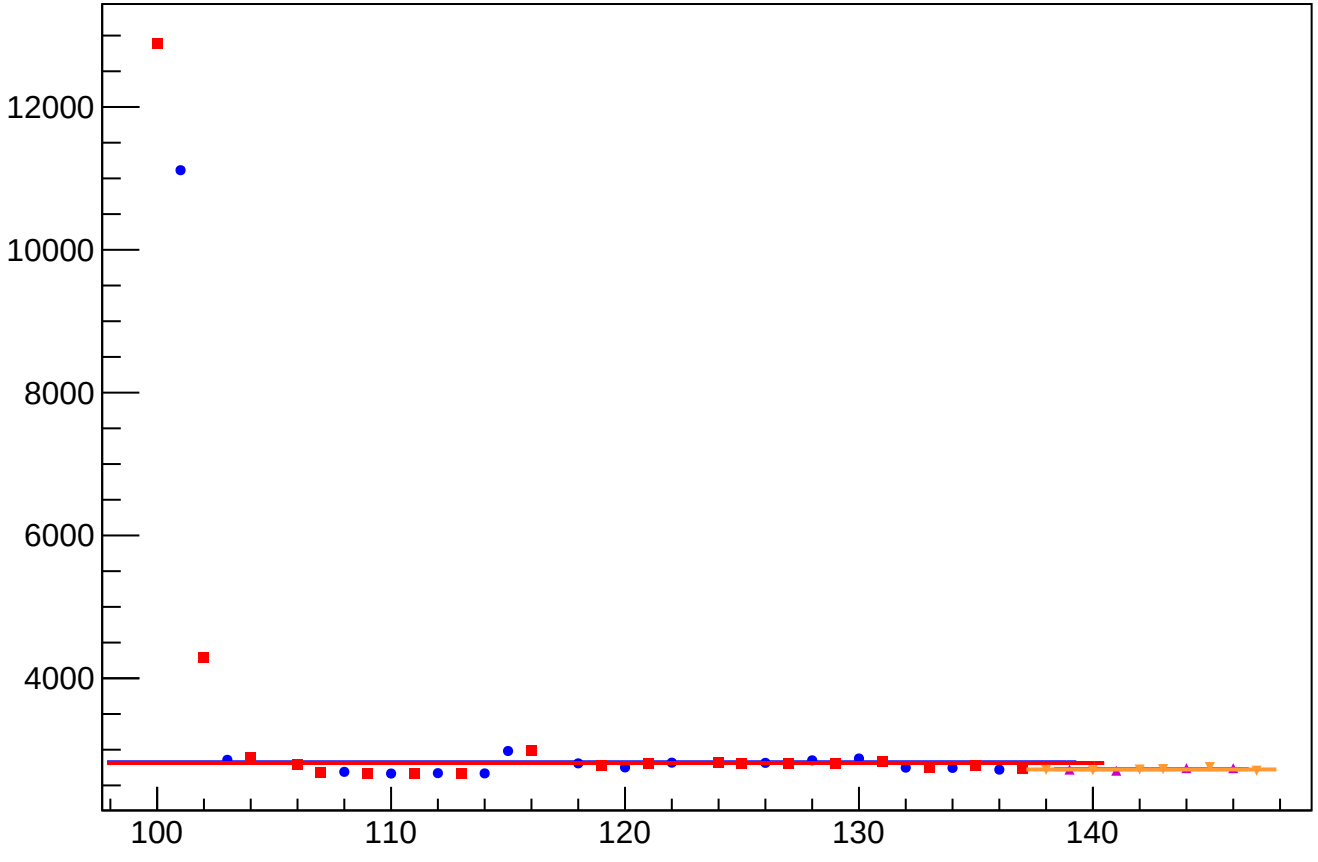
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 3476.212+/-864.919 χ^2/NDF:24.3/19

Out: 2276.748+/-811.939 χ^2/NDF:12.5/24

All: 2838.622+/-591.972 χ^2/NDF: 37.8/44

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2723.225+/-0.906 χ^2/NDF:354.2/5

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2727.907+/-1.026 χ^2/NDF:217.4/3

Left: 2725.275+/-0.679 χ^2/NDF: 583.3/9

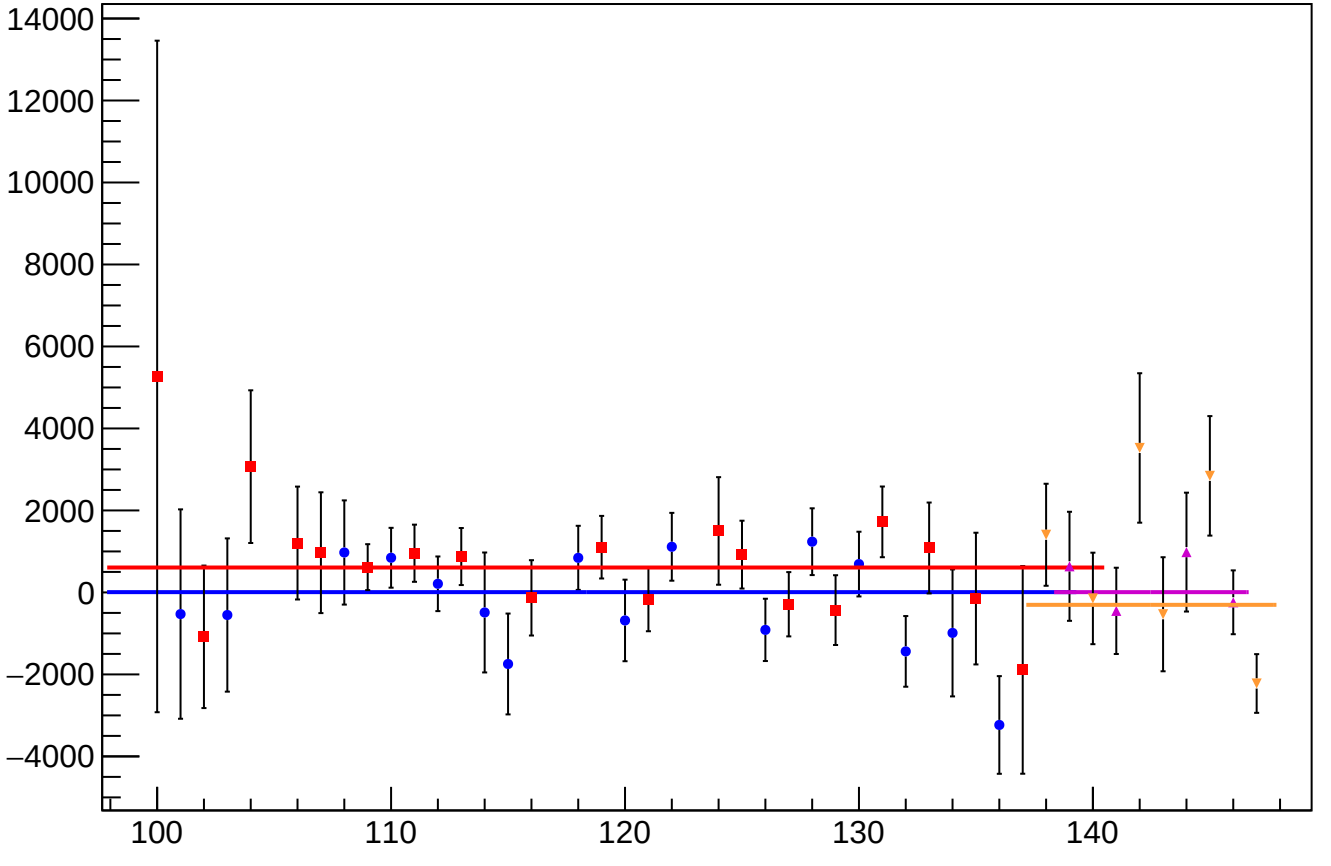
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2789.504+/-0.612 χ^2/NDF:749723.3/19

Out: 2777.411+/-0.574 χ^2/NDF:206851.2/24

All: 2783.076+/-0.419 χ^2/NDF: 956782.4/44

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -302.812+/-461.862 χ^2/NDF:18.2/5

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 6.778+/-527.555 χ^2/NDF:1.0/3

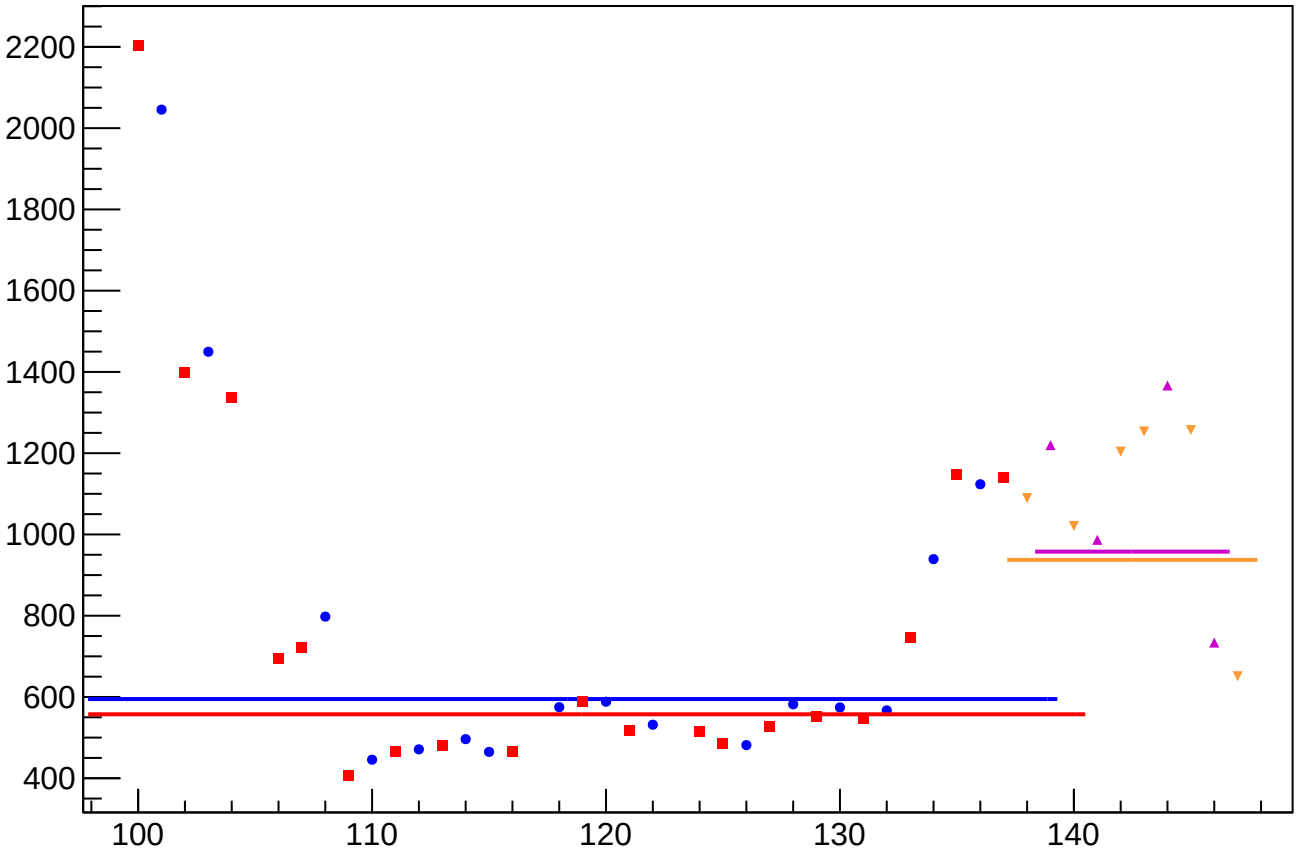
Left: -168.482+/-347.504 χ^2/NDF: 19.3/9

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 7.003+/-216.532 χ^2/NDF:23.8/19

Out: 442.893+/-196.472 χ^2/NDF:33.5/24

All: 246.070+/-145.503 χ^2/NDF: 59.5/44



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 937.363+/-0.327 χ^2/NDF:603181.9/5

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 957.739+/-0.373 χ^2/NDF:403529.7/3

Left: 946.204+/-0.246 χ^2/NDF: 1008400.5/9

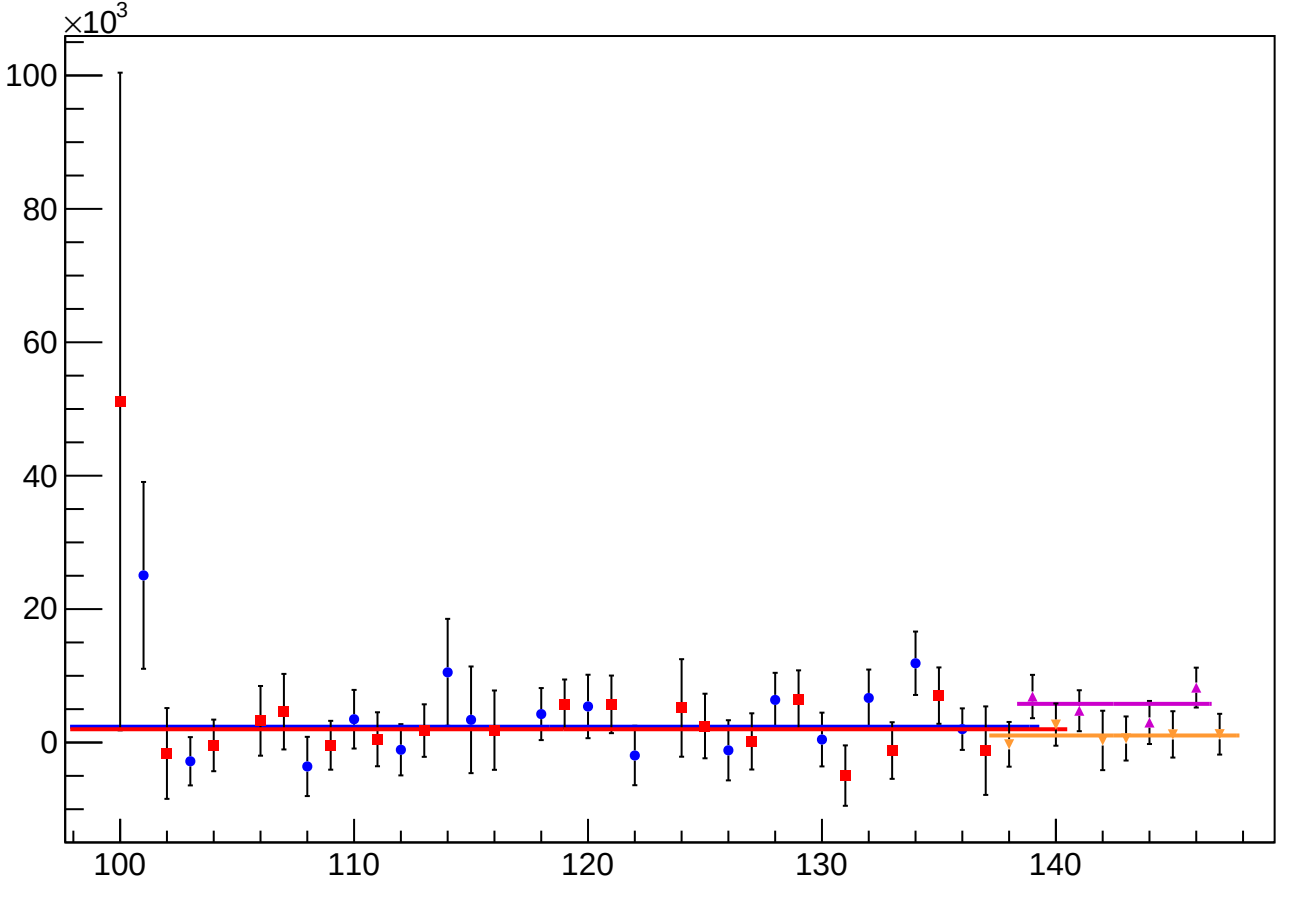
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 655.991+/-0.153 χ^2/NDF:3043049.6/19

Out: 626.155+/-0.139 χ^2/NDF:3343157.1/24

All: 639.627+/-0.103 χ^2/NDF: 6407032.8/44

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1053.888+/-1385.620 χ^2/NDF:0.5/5

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 5794.825+/-1564.233 χ^2/NDF:1.6/3

Left: 3138.342+/-1037.207 χ^2/NDF: 7.3/9

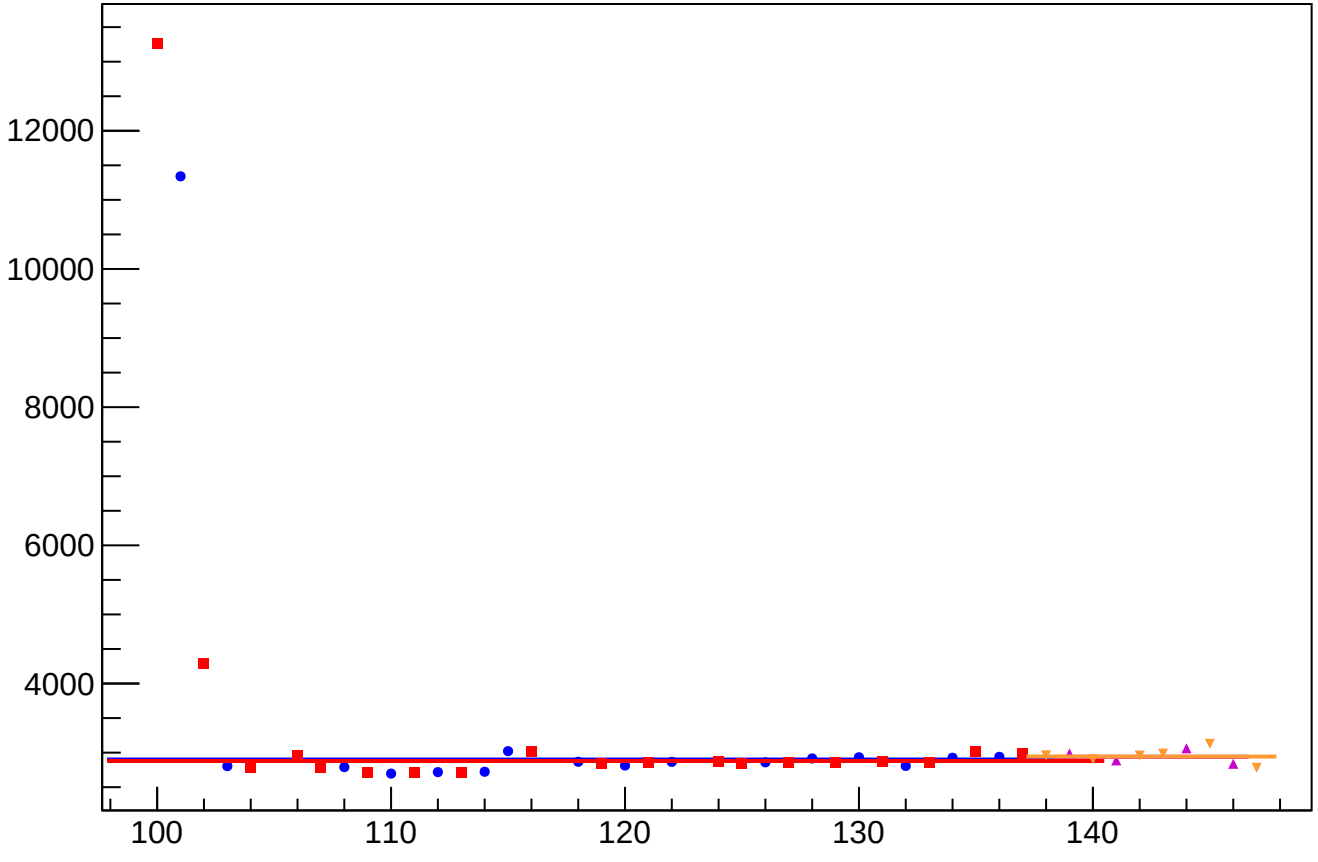
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 3509.893+/-903.177 χ^2/NDF:21.7/19

Out: 1636.287+/-849.509 χ^2/NDF:11.0/24

All: 2515.773+/-618.797 χ^2/NDF: 35.0/44

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2943.171+/-0.980 χ^2/NDF:11959.7/5

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2938.671+/-1.106 χ^2/NDF:6161.6/3

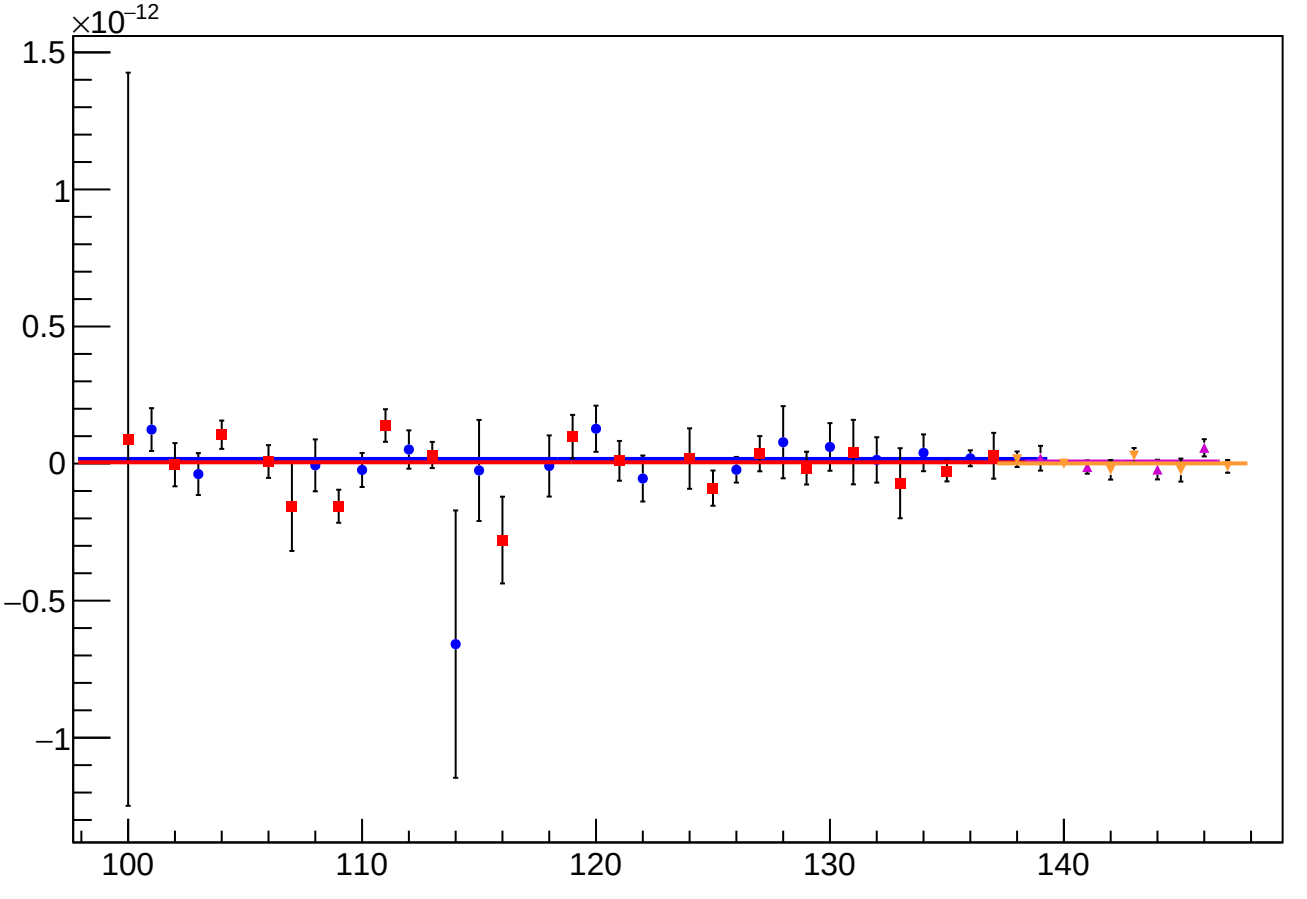
Left: 2941.192+/-0.733 χ^2/NDF: 18130.7/9

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2912.777+/-0.639 χ^2/NDF:748801.9/19

Out: 2903.094+/-0.601 χ^2/NDF:207923.0/24

All: 2907.639+/-0.438 χ^2/NDF: 956846.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/3

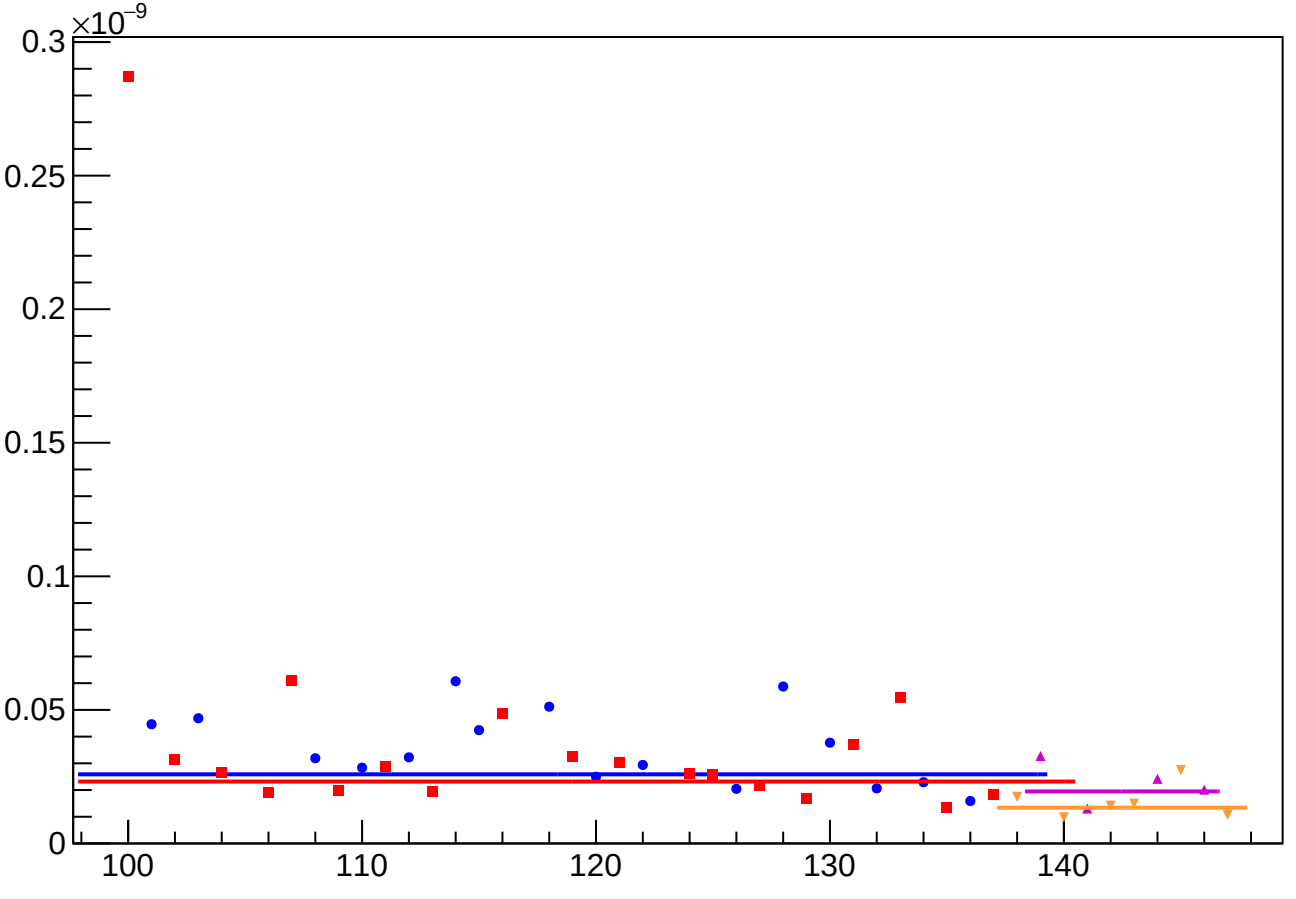
Left: 0.000+/-0.000 χ^2/NDF: 6.4/9

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:13.0/19

Out: 0.000+/-0.000 χ^2/NDF:28.1/24

All: 0.000+/-0.000 χ^2/NDF: 41.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:372568.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:347574.8/3

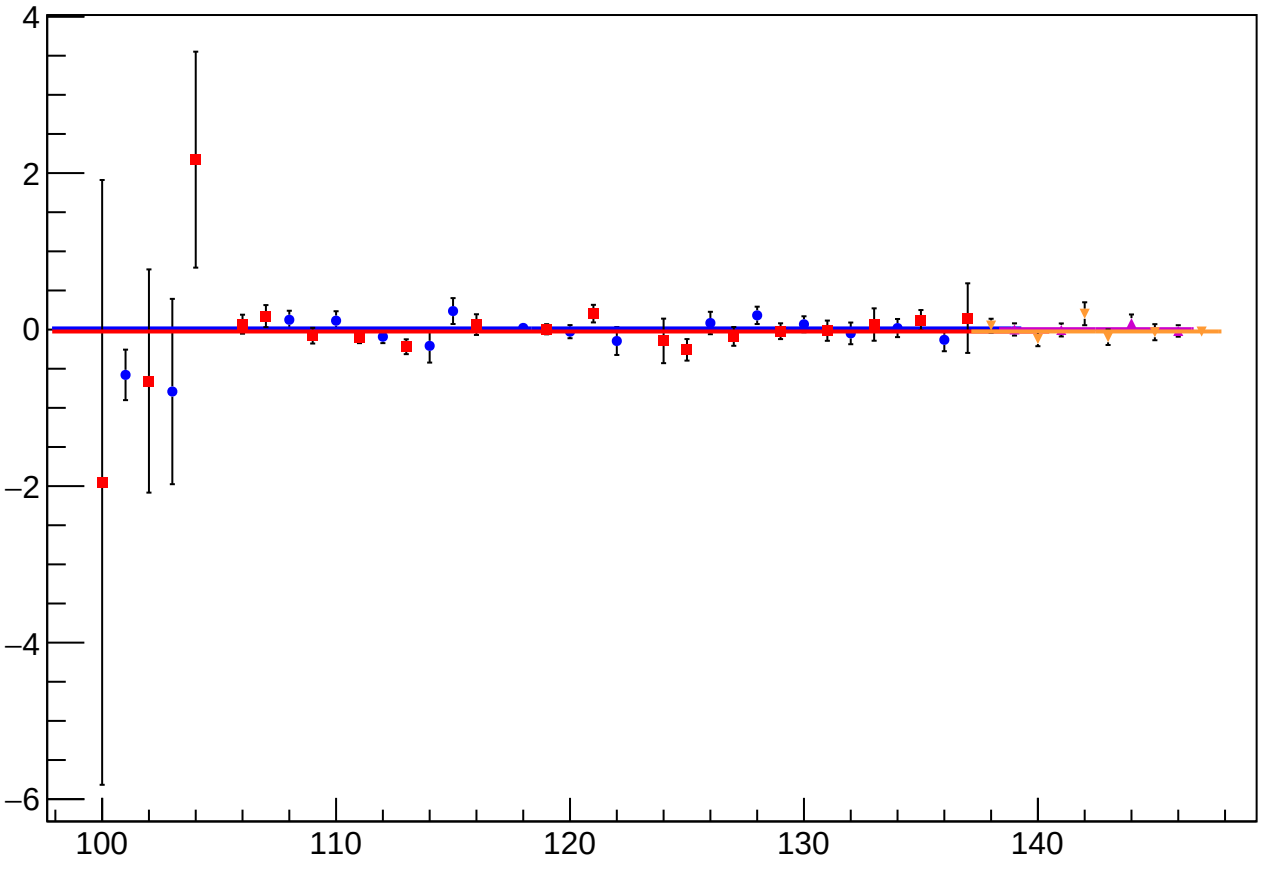
Left: 0.000+/-0.000 χ^2/NDF: 922060.7/9

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1366575.2/19

Out: 0.000+/-0.000 χ^2/NDF:1591606.8/24

All: 0.000+/-0.000 χ^2/NDF: 3294953.6/44



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.005+/-0.042 χ^2/NDF:0.6/3

Left: -0.011+/-0.027 χ^2/NDF: 5.6/9

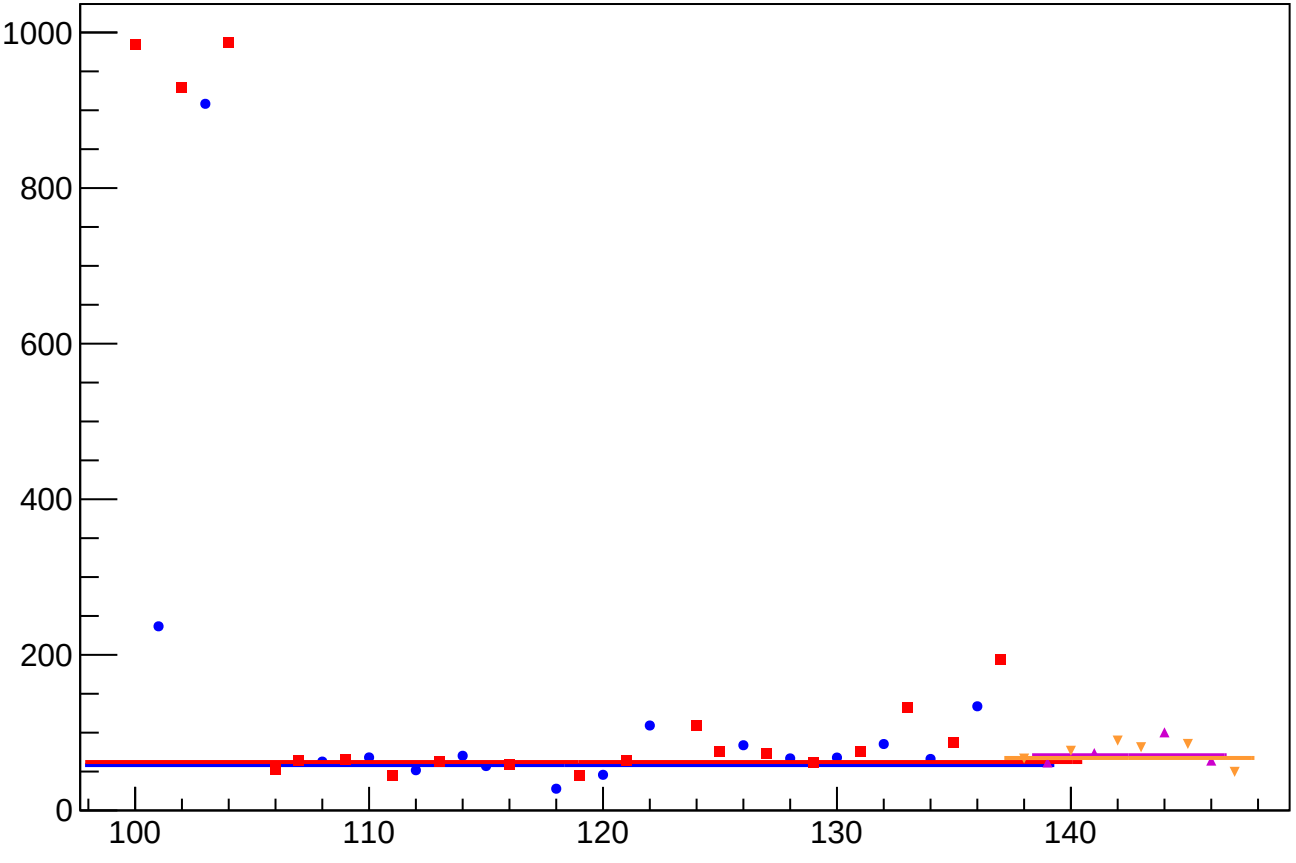
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.023 χ^2/NDF:15.7/19

Out: -0.024+/-0.022 χ^2/NDF:25.6/24

All: -0.007+/-0.016 χ^2/NDF: 42.5/44

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 67.468+/-0.025 χ^2/NDF:350540.6/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 70.948+/-0.029 χ^2/NDF:187956.9/3

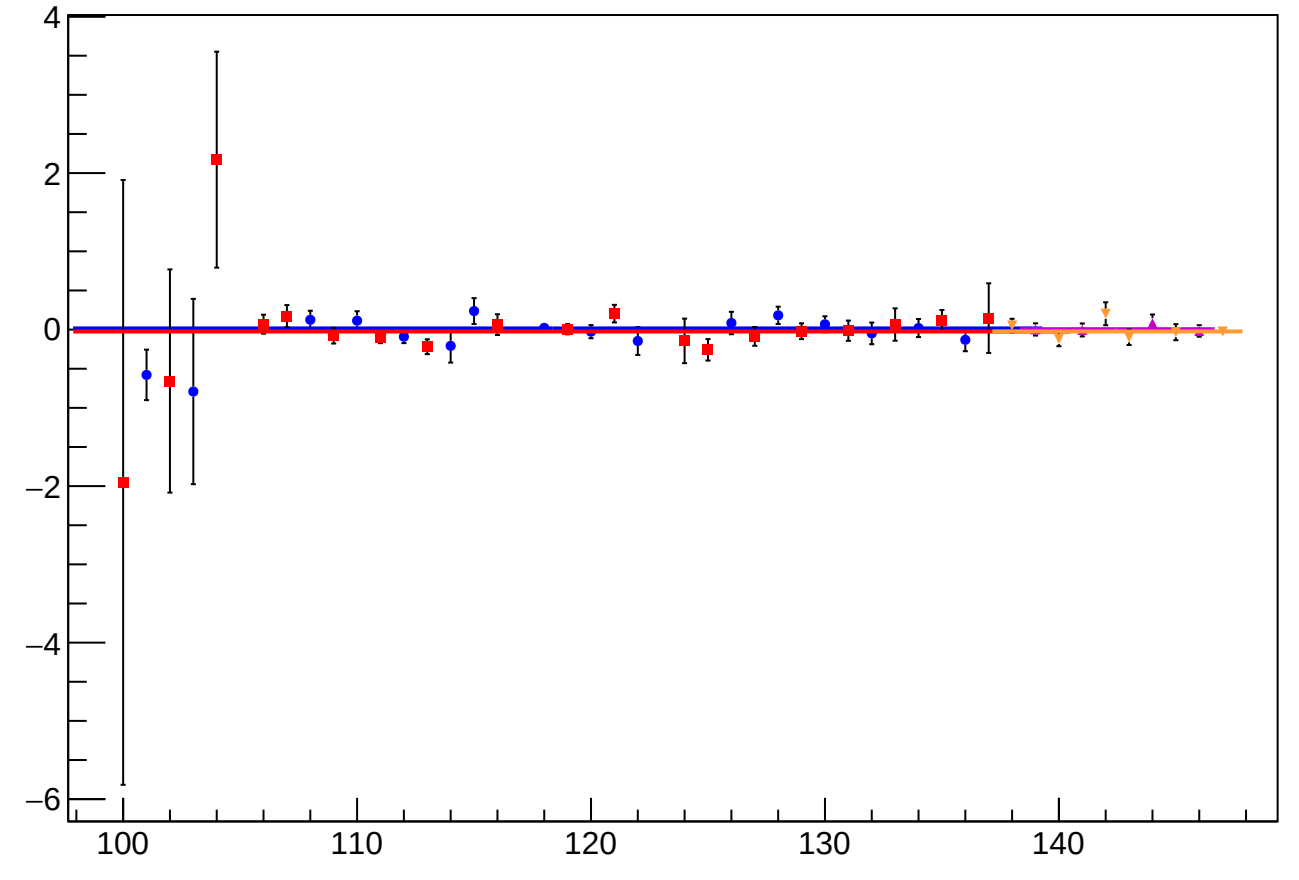
Left: 68.945+/-0.019 χ^2/NDF: 546513.7/9

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 62.206+/-0.016 χ^2/NDF:3575380.5/19

Out: 64.222+/-0.016 χ^2/NDF:3004034.4/24

All: 63.262+/-0.011 χ^2/NDF: 6587359.4/44



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.005+/-0.042 χ^2/NDF:0.6/3

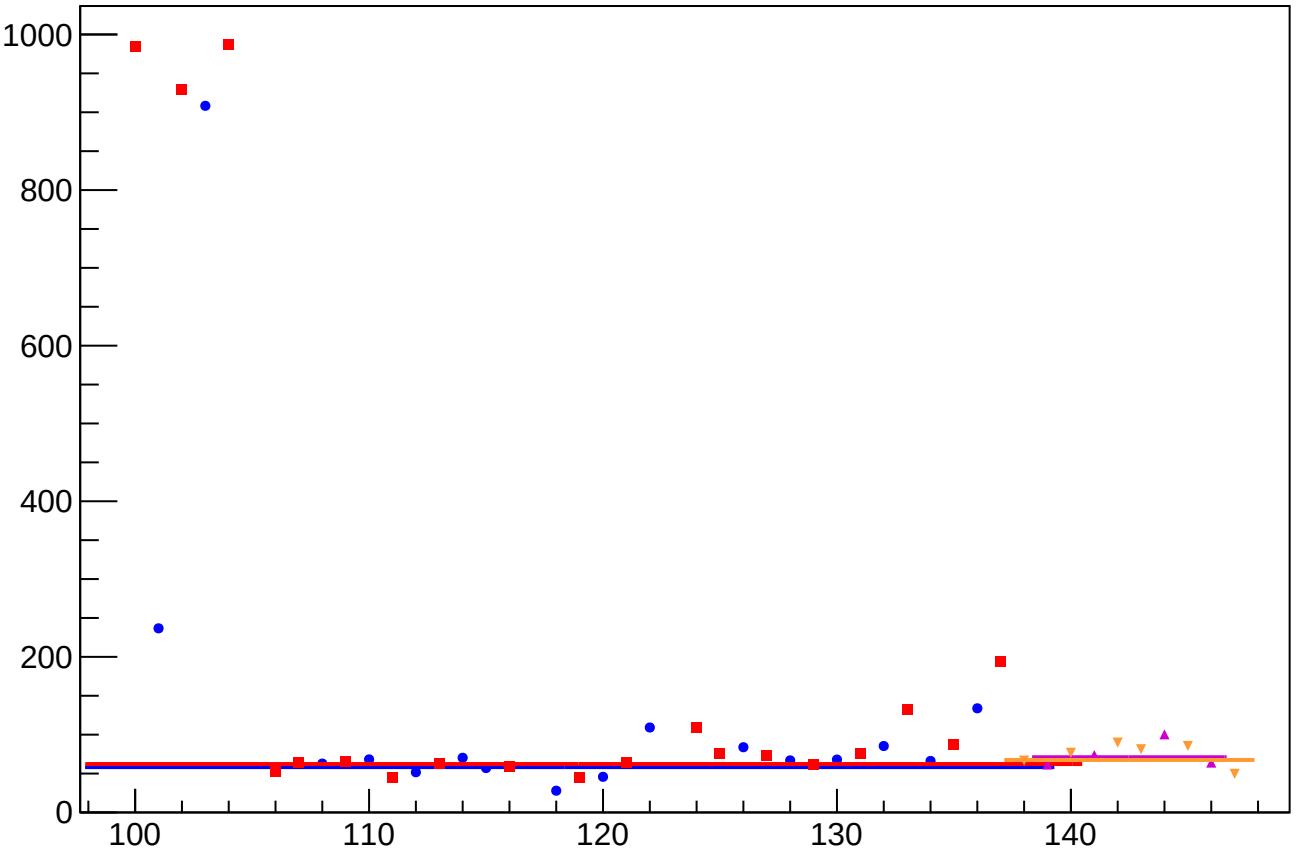
Left: -0.011+/-0.027 χ^2/NDF: 5.6/9

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.023 χ^2/NDF:15.7/19

Out: -0.024+/-0.022 χ^2/NDF:25.6/24

All: -0.007+/-0.016 χ^2/NDF: 42.5/44



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 67.468+/-0.025 χ^2/NDF:350540.6/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 70.948+/-0.029 χ^2/NDF:187956.9/3

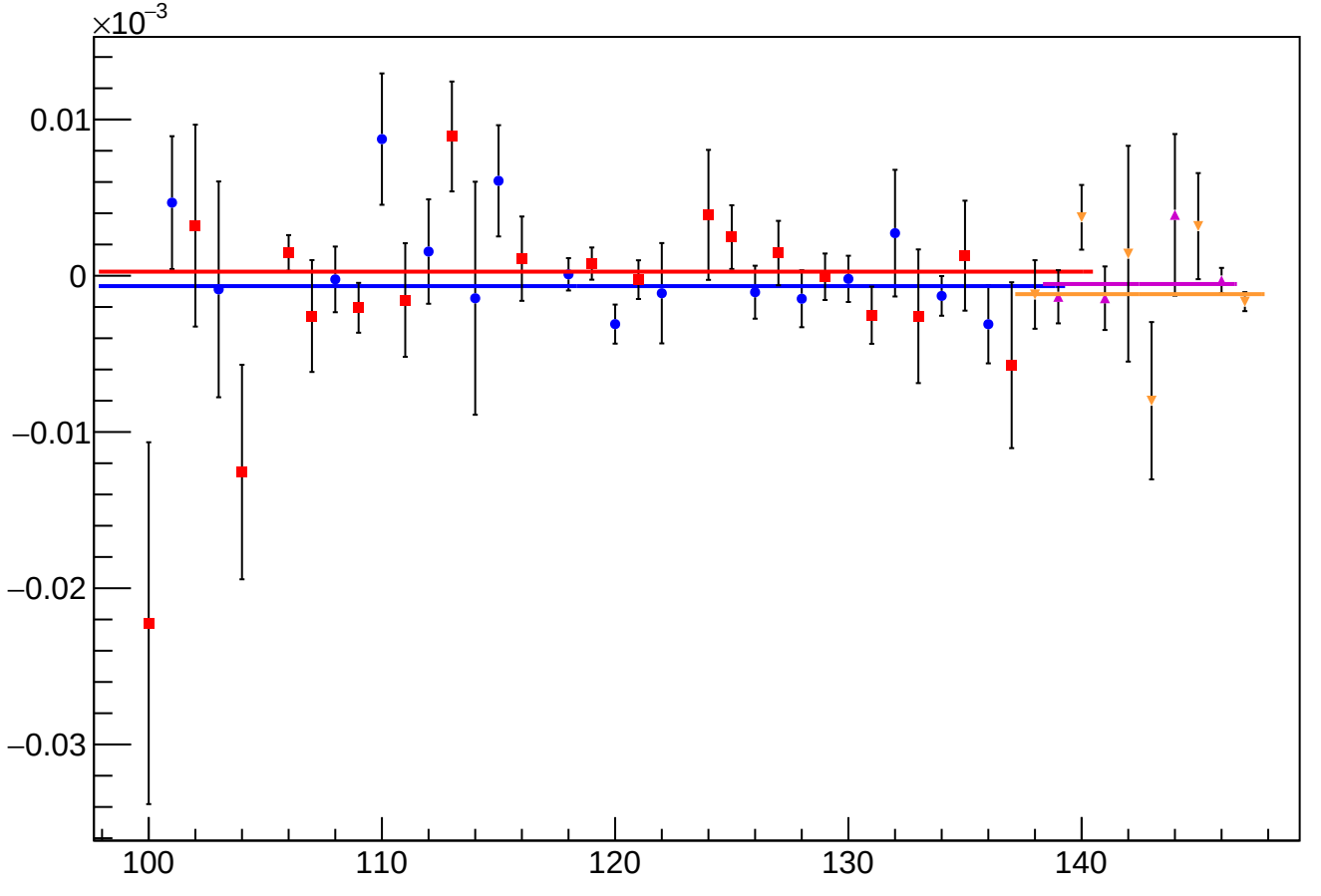
Left: 68.945+/-0.019 χ^2/NDF: 546513.7/9

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 62.206+/-0.016 χ^2/NDF:3575380.5/19

Out: 64.222+/-0.016 χ^2/NDF:3004034.4/24

All: 63.262+/-0.011 χ^2/NDF: 6587359.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

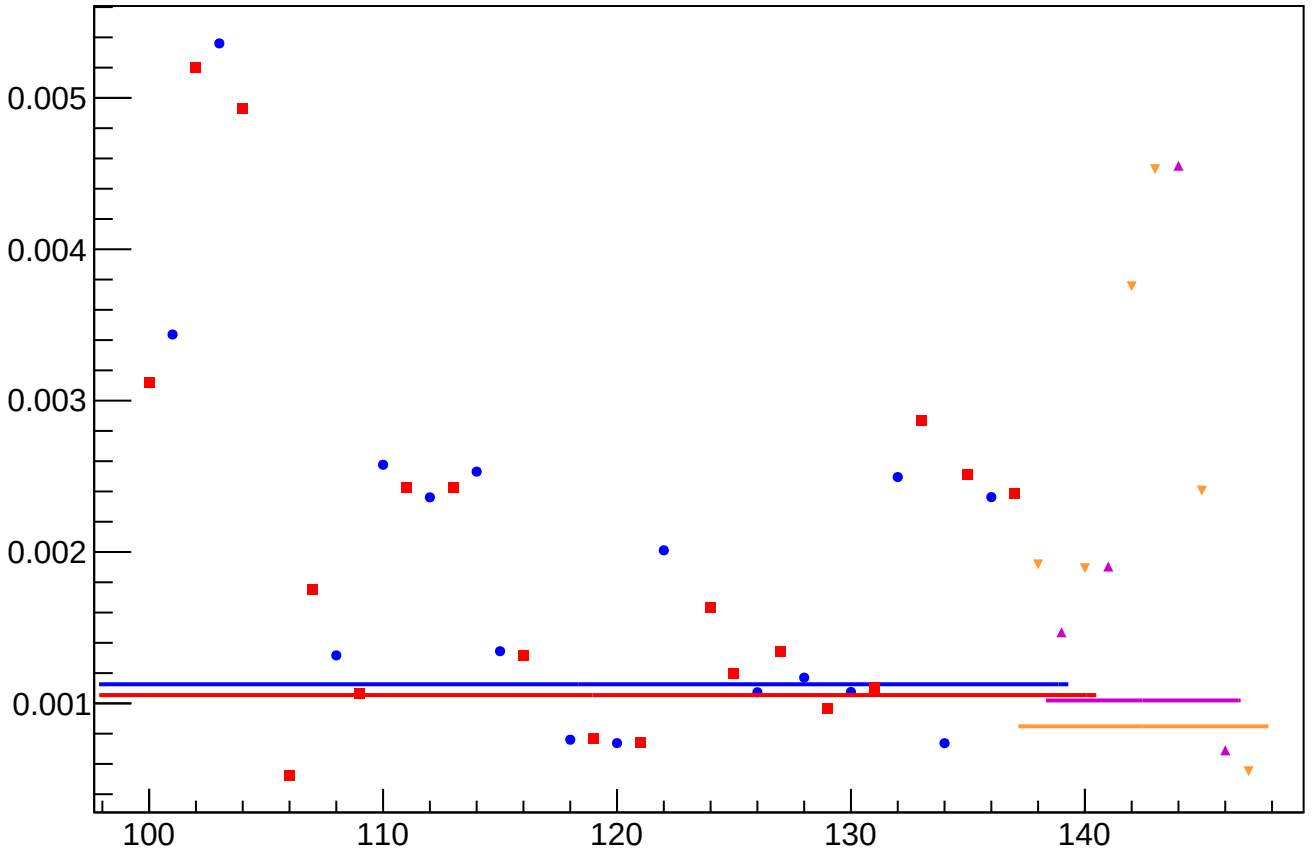
Left: -0.000+/-0.000 χ^2/NDF: 11.7/9

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:18.5/19

Out: -0.000+/-0.000 χ^2/NDF:38.4/24

All: -0.000+/-0.000 χ^2/NDF: 57.2/44



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:3306171.6/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:1782665.1/3

Left: 0.001+/-0.000 χ^2/NDF: 5164991.6/9

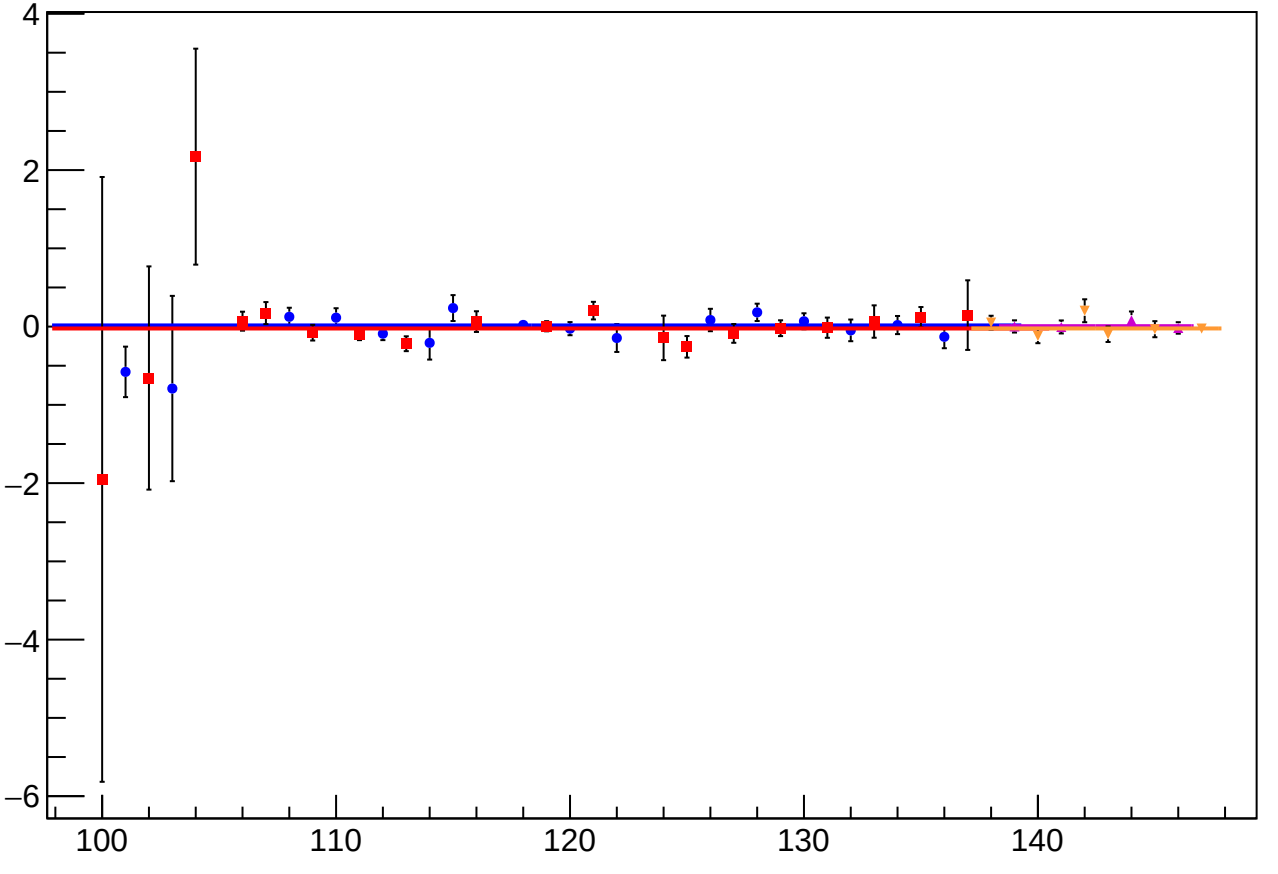
Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:5268041.6/19

Out: 0.001+/-0.000 χ^2/NDF:7319263.6/24

All: 0.001+/-0.000 χ^2/NDF: 12690155.5/44

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.005+/-0.042 χ^2/NDF:0.6/3

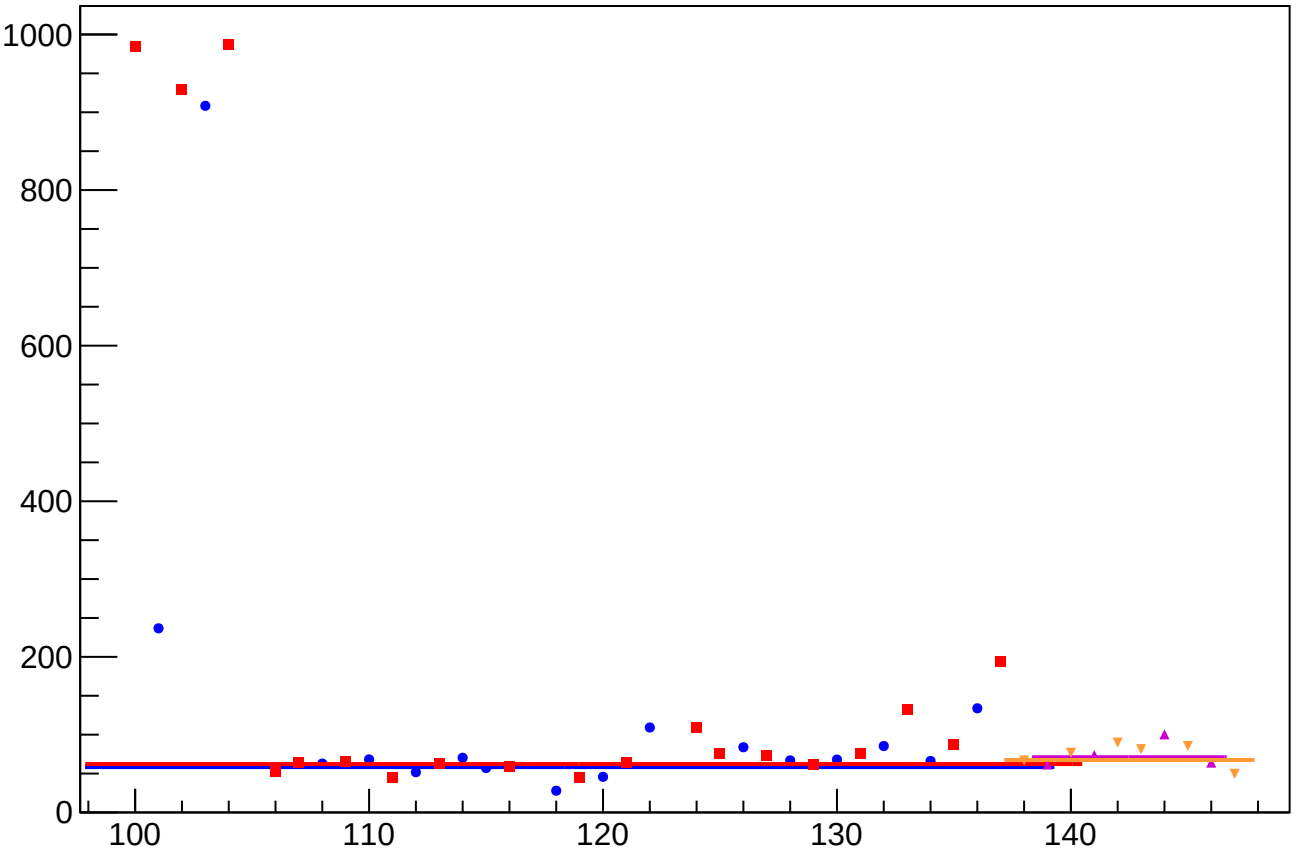
Left: -0.011+/-0.027 χ^2/NDF: 5.6/9

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.023 χ^2/NDF:15.7/19

Out: -0.024+/-0.022 χ^2/NDF:25.6/24

All: -0.007+/-0.016 χ^2/NDF: 42.5/44



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 67.467+/-0.025 χ^2/NDF:350532.1/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 70.949+/-0.029 χ^2/NDF:187954.3/3

Left: 68.945+/-0.019 χ^2/NDF: 546507.0/9

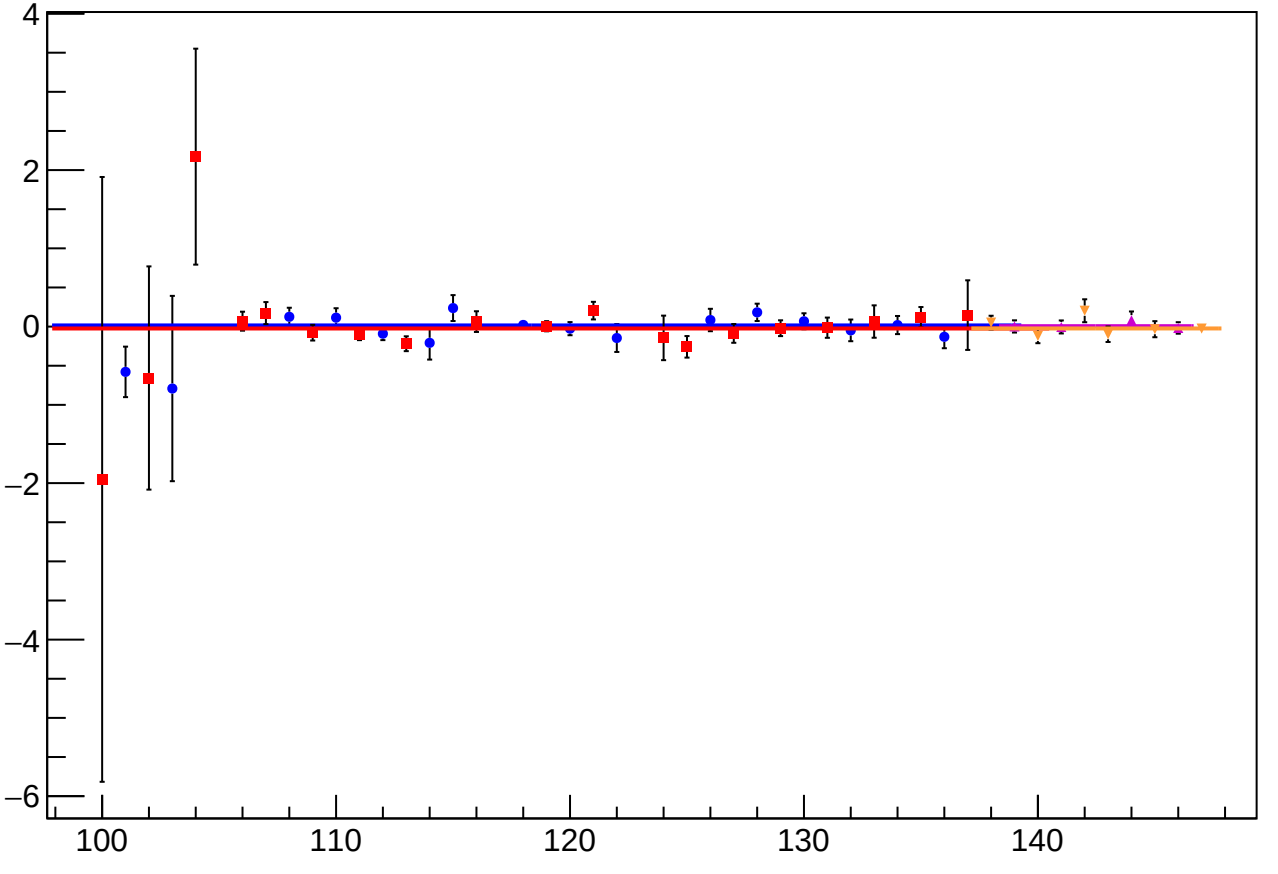
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 62.206+/-0.016 χ^2/NDF:3575486.5/19

Out: 64.222+/-0.016 χ^2/NDF:3004016.4/24

All: 63.262+/-0.011 χ^2/NDF: 6587449.2/44

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: -0.024+/-0.036 χ^2/NDF:4.8/5

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.005+/-0.042 χ^2/NDF:0.6/3

Left: -0.011+/-0.027 χ^2/NDF: 5.6/9

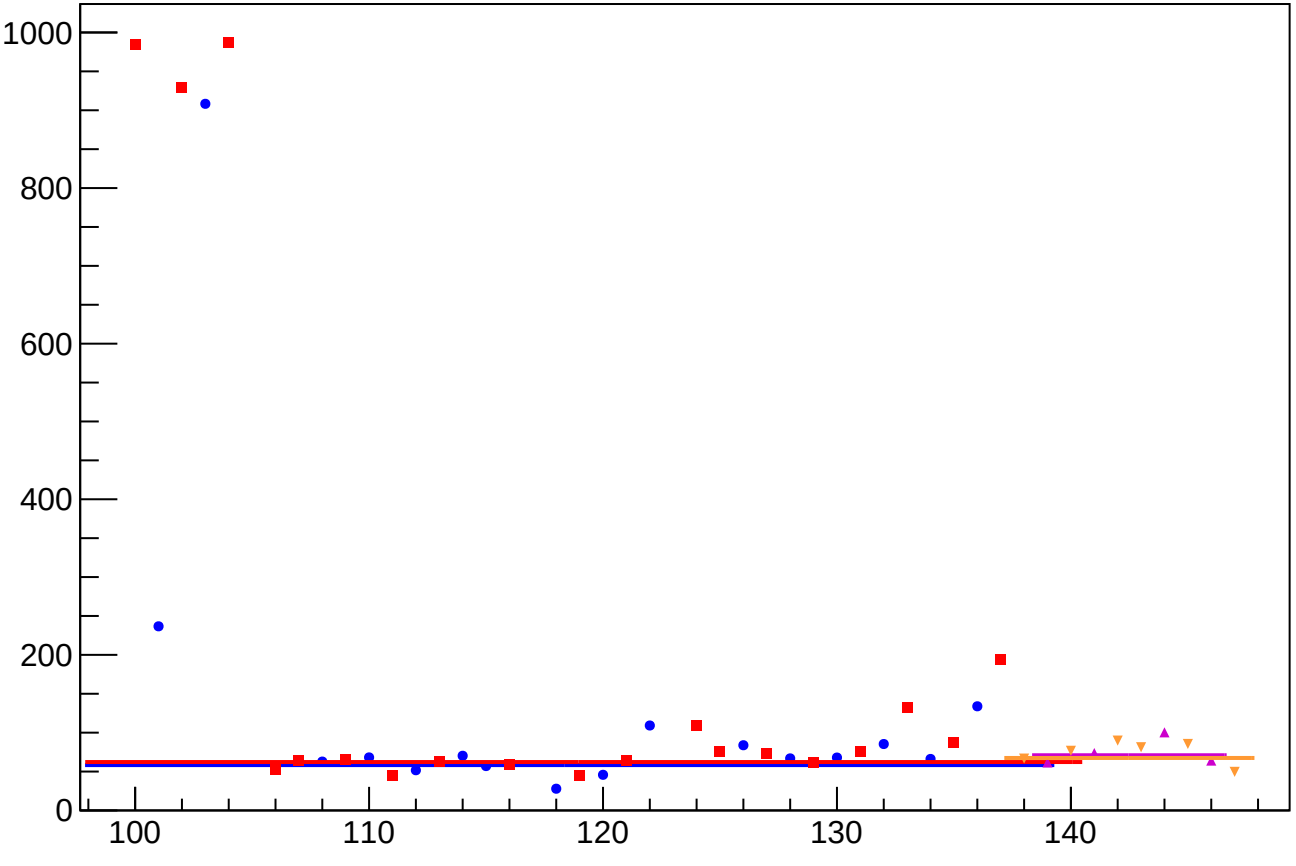
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.012+/-0.023 χ^2/NDF:15.7/19

Out: -0.024+/-0.022 χ^2/NDF:25.6/24

All: -0.007+/-0.016 χ^2/NDF: 42.5/44

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 67.467+/-0.025 χ^2/NDF:350532.1/5

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 70.949+/-0.029 χ^2/NDF:187954.3/3

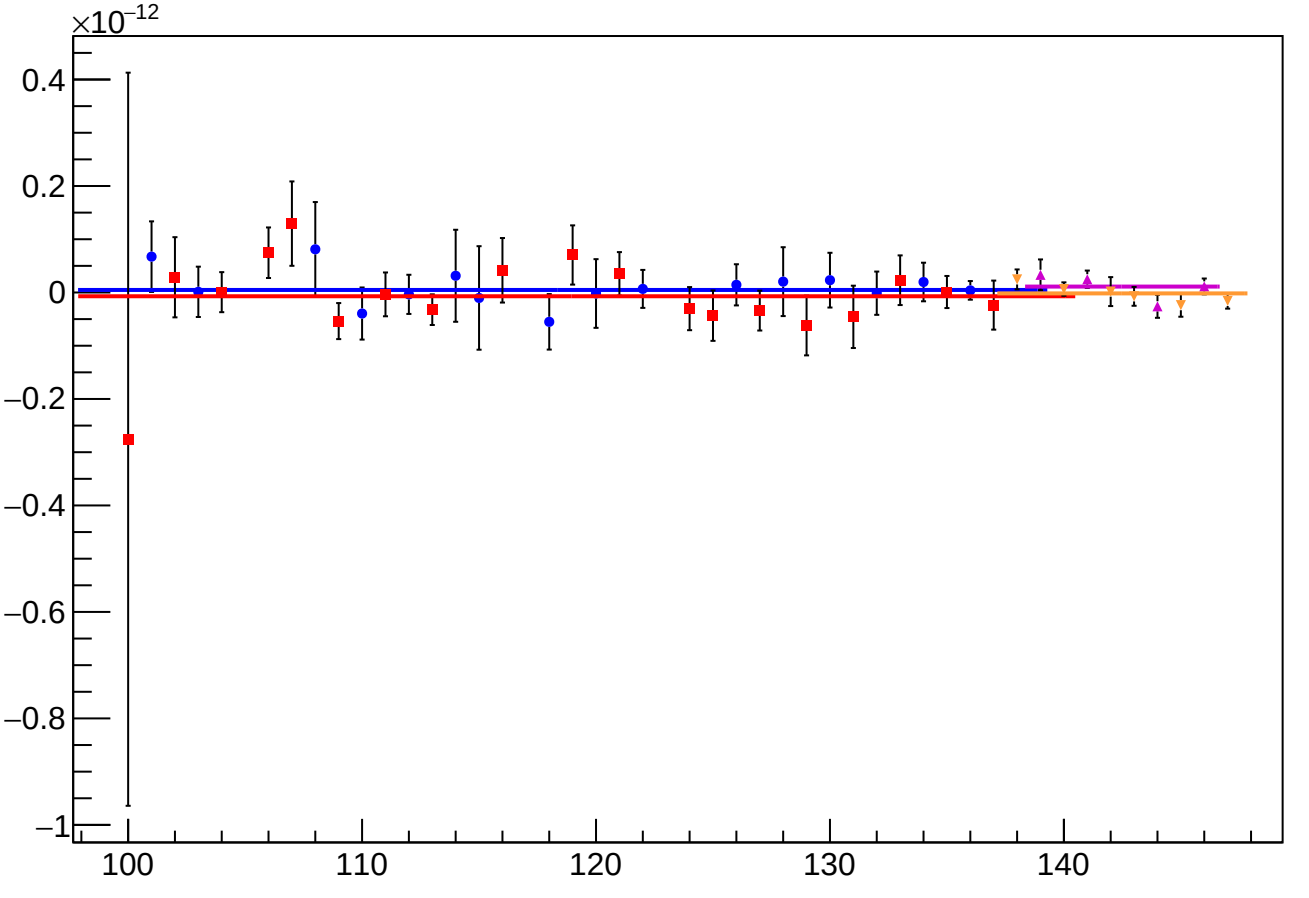
Left: 68.945+/-0.019 χ^2/NDF: 546507.0/9

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 62.206+/-0.016 χ^2/NDF:3575486.5/19

Out: 64.222+/-0.016 χ^2/NDF:3004016.4/24

All: 63.262+/-0.011 χ^2/NDF: 6587449.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/3

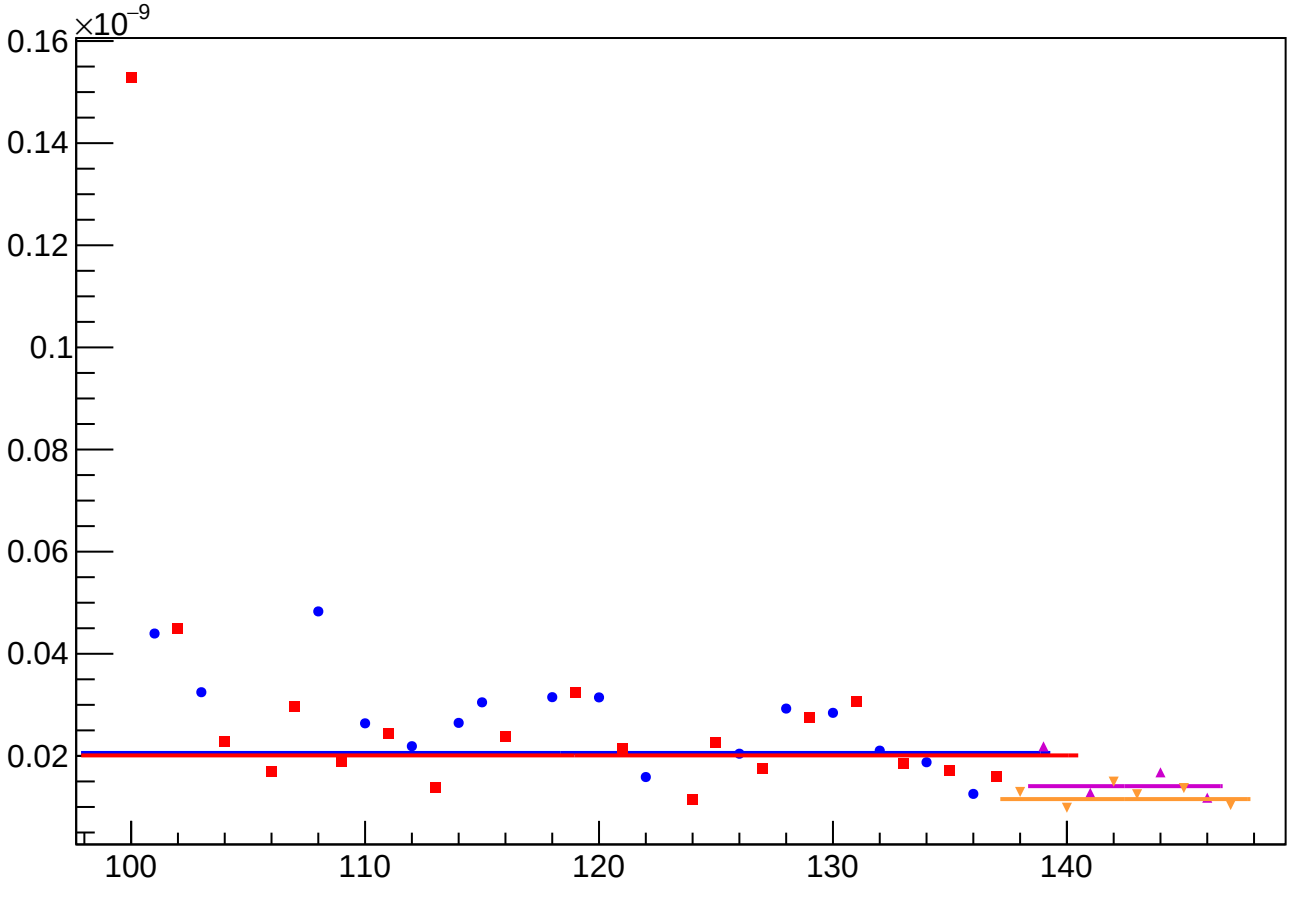
Left: 0.000+/-0.000 χ^2/NDF: 9.9/9

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:8.8/19

Out: -0.000+/-0.000 χ^2/NDF:20.8/24

All: 0.000+/-0.000 χ^2/NDF: 31.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:117275.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:235486.8/3

Left: 0.000+/-0.000 χ^2/NDF: 448008.4/9

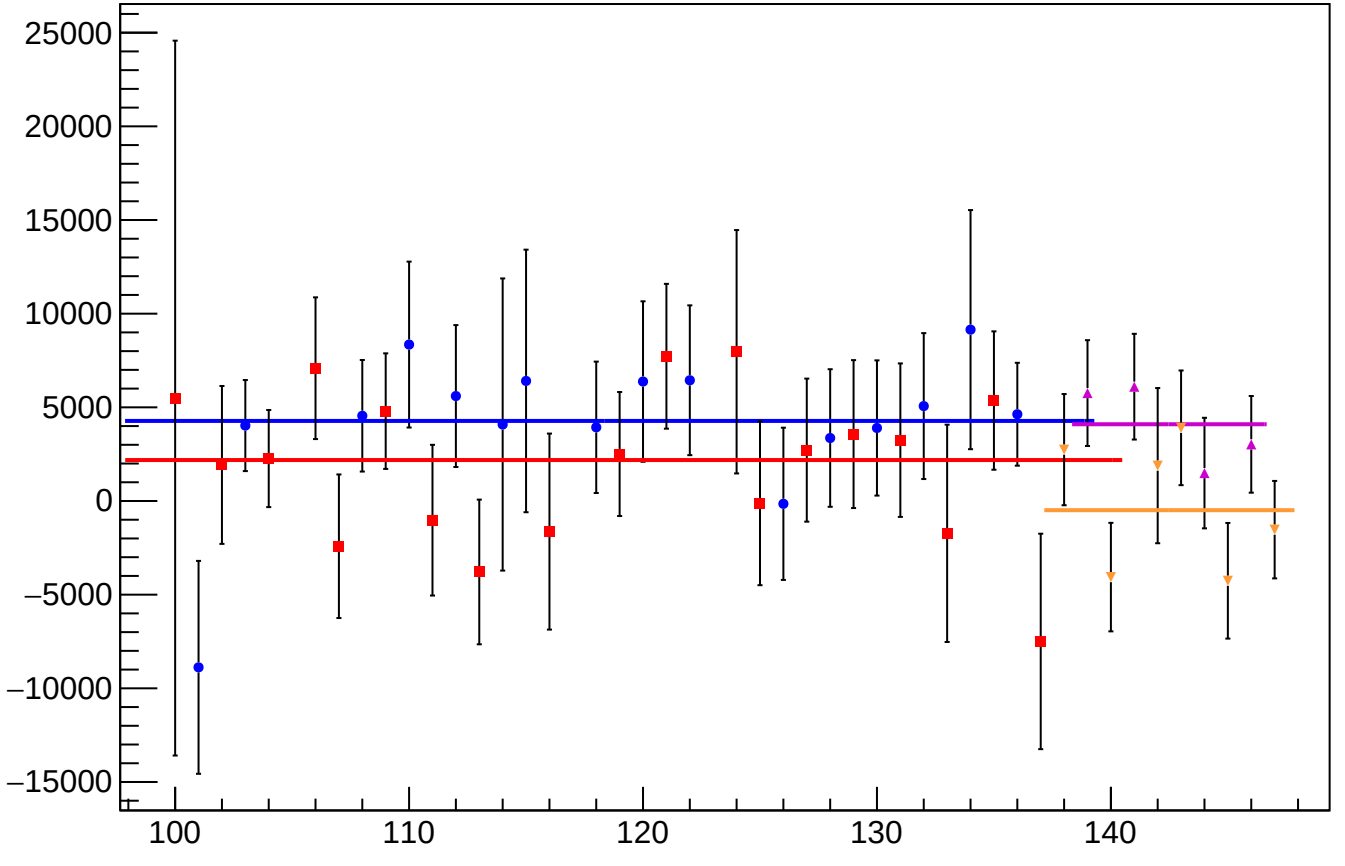
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:1997012.7/19

Out: 0.000+/-0.000 χ^2/NDF:1898750.4/24

All: 0.000+/-0.000 χ^2/NDF: 4078509.5/44

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -490.672+/-1239.913 χ^2/NDF:6.7/5

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 4096.908+/-1392.160 χ^2/NDF:1.8/3

Left: 1538.644+/-925.917 χ^2/NDF: 14.6/9

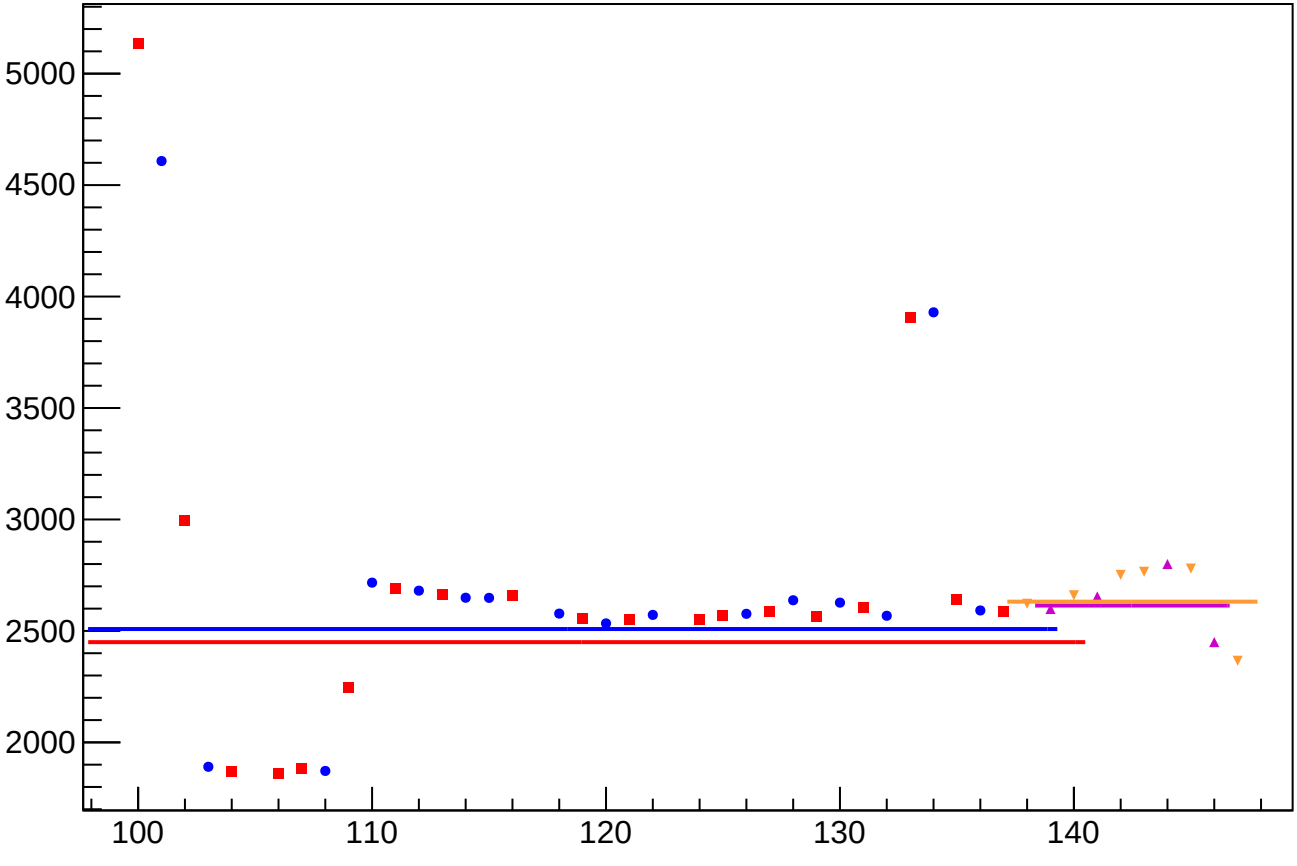
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4217.845+/-785.807 χ^2/NDF:10.7/19

Out: 1232.974+/-739.920 χ^2/NDF:24.6/24

All: 2635.719+/-538.695 χ^2/NDF: 42.9/44

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2631.272+/-0.877 χ^2/NDF:31144.8/5

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

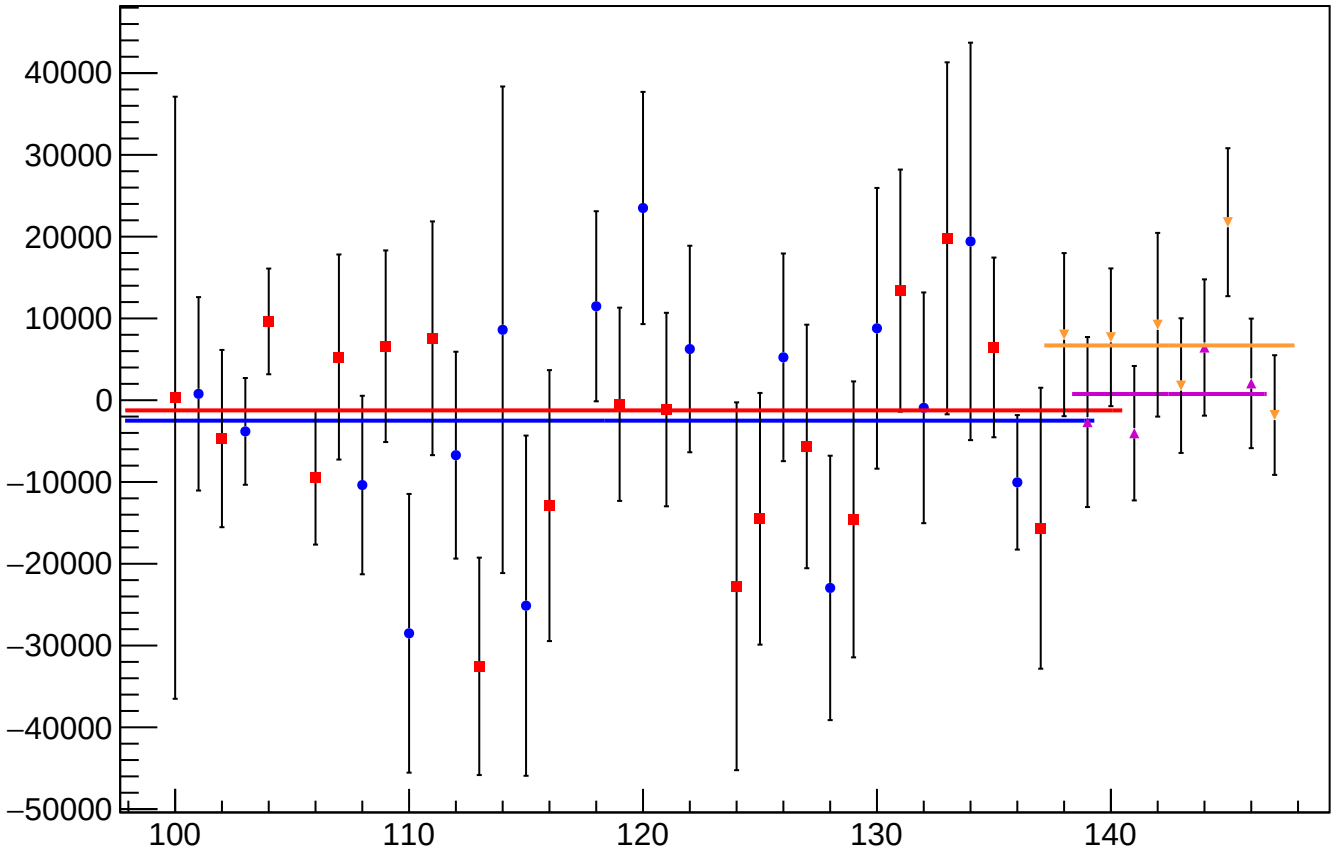
Left: 2623.557+/-0.655 χ^2/NDF: 47825.4/9

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2542.036+/-0.556 χ^2/NDF:635901.6/19

Out: 2514.310+/-0.523 χ^2/NDF:495685.0/24

All: 2527.340+/-0.381 χ^2/NDF: 1132906.3/44



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 6698.170+/-3586.756 χ^2/NDF:4.6/5

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 757.441+/-4287.709 χ^2/NDF:0.9/3

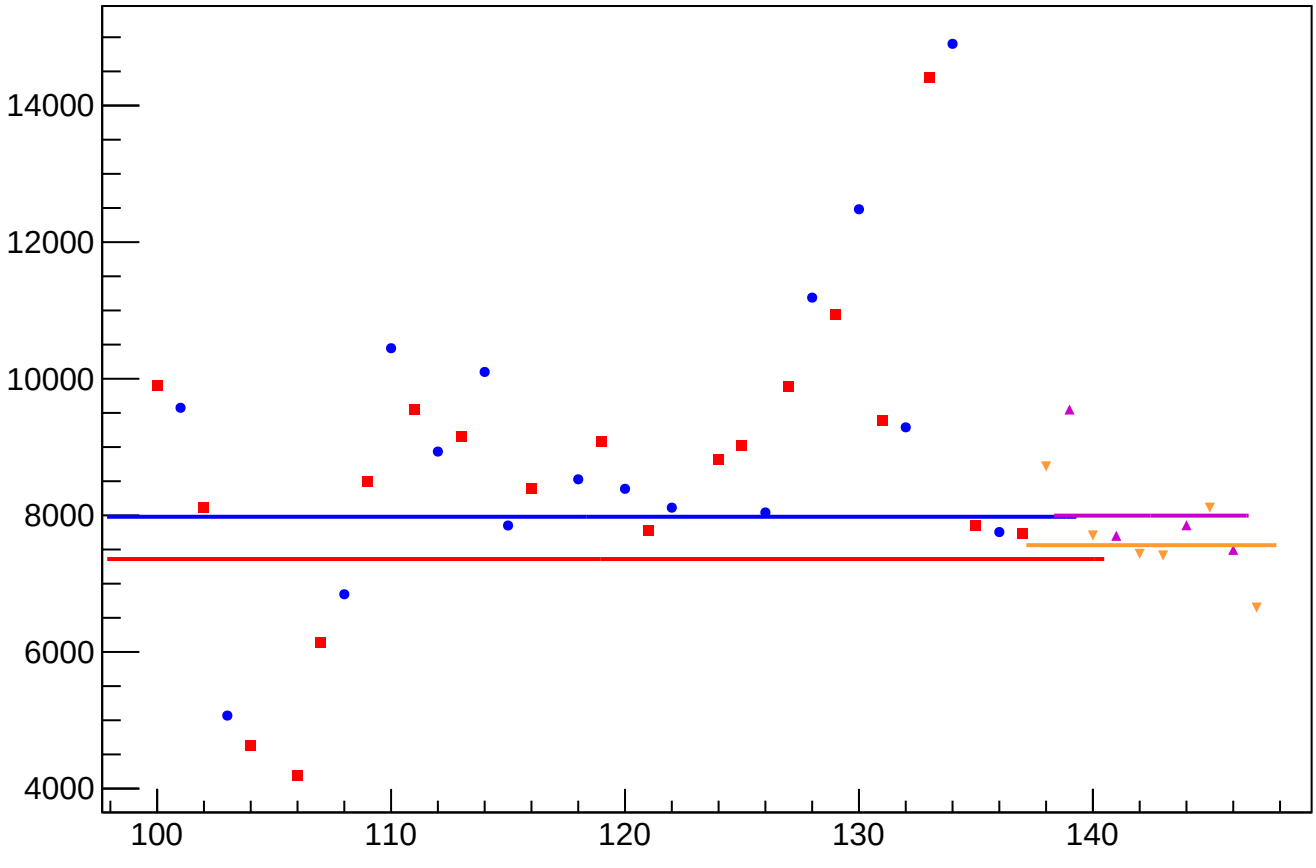
Left: 4252.468+/-2751.105 χ^2/NDF: 6.6/9

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -1393.762+/-2499.133 χ^2/NDF:15.1/19

Out: 1833.179+/-2232.666 χ^2/NDF:24.2/24

All: 400.856+/-1665.000 χ^2/NDF: 40.2/44



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7563.469+/-2.536 χ^2/NDF:66814.2/5

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 7996.222+/-3.032 χ^2/NDF:55840.3/3

Left: 7741.626+/-1.945 χ^2/NDF: 134640.4/9

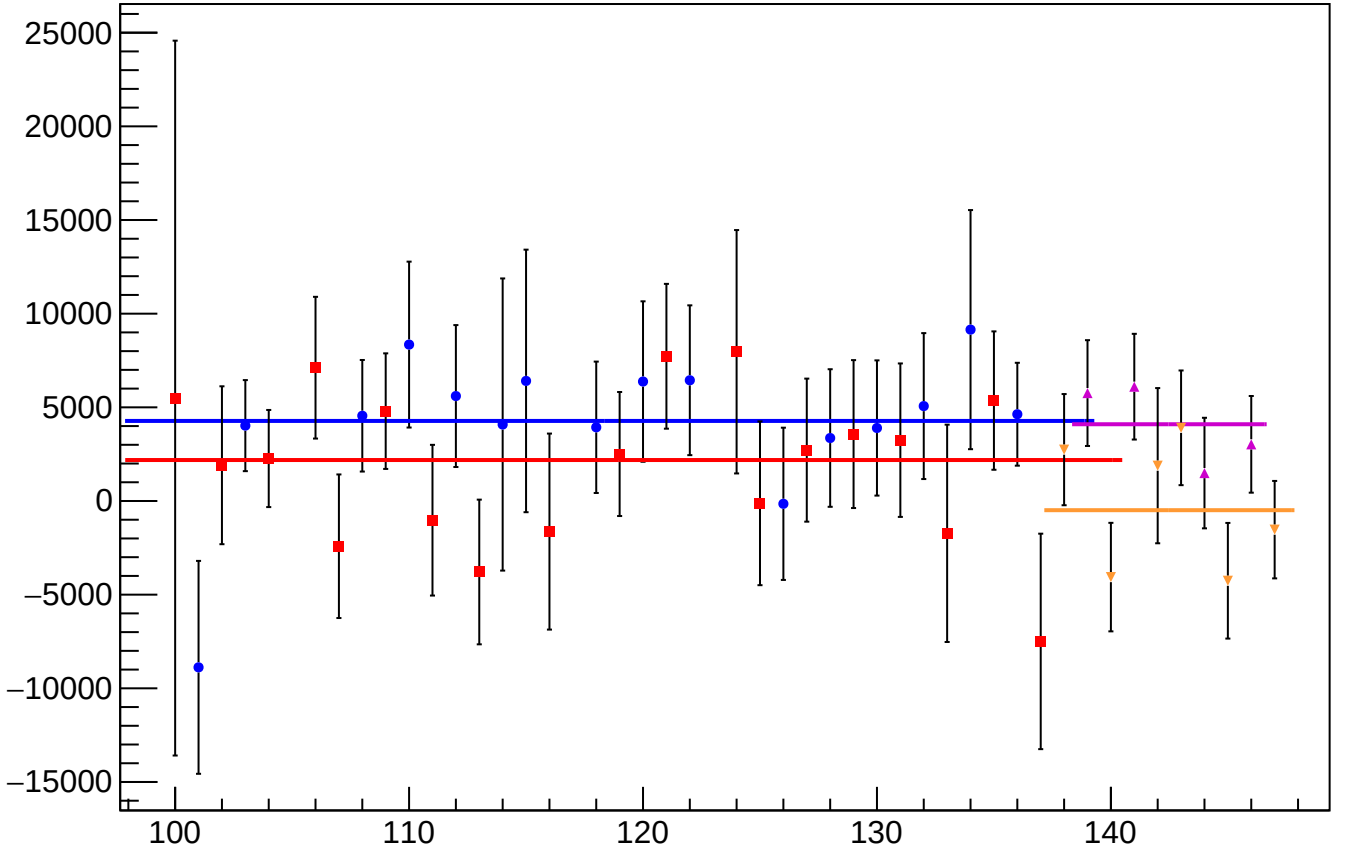
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 7985.173+/-1.767 χ^2/NDF:978944.2/19

Out: 7439.293+/-1.579 χ^2/NDF:1356736.4/24

All: 7681.590+/-1.177 χ^2/NDF: 2388747.8/44

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -490.721+/-1239.913 χ^2/NDF:6.7/5

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 4097.289+/-1392.160 χ^2/NDF:1.8/3

Left: 1538.784+/-925.917 χ^2/NDF: 14.6/9

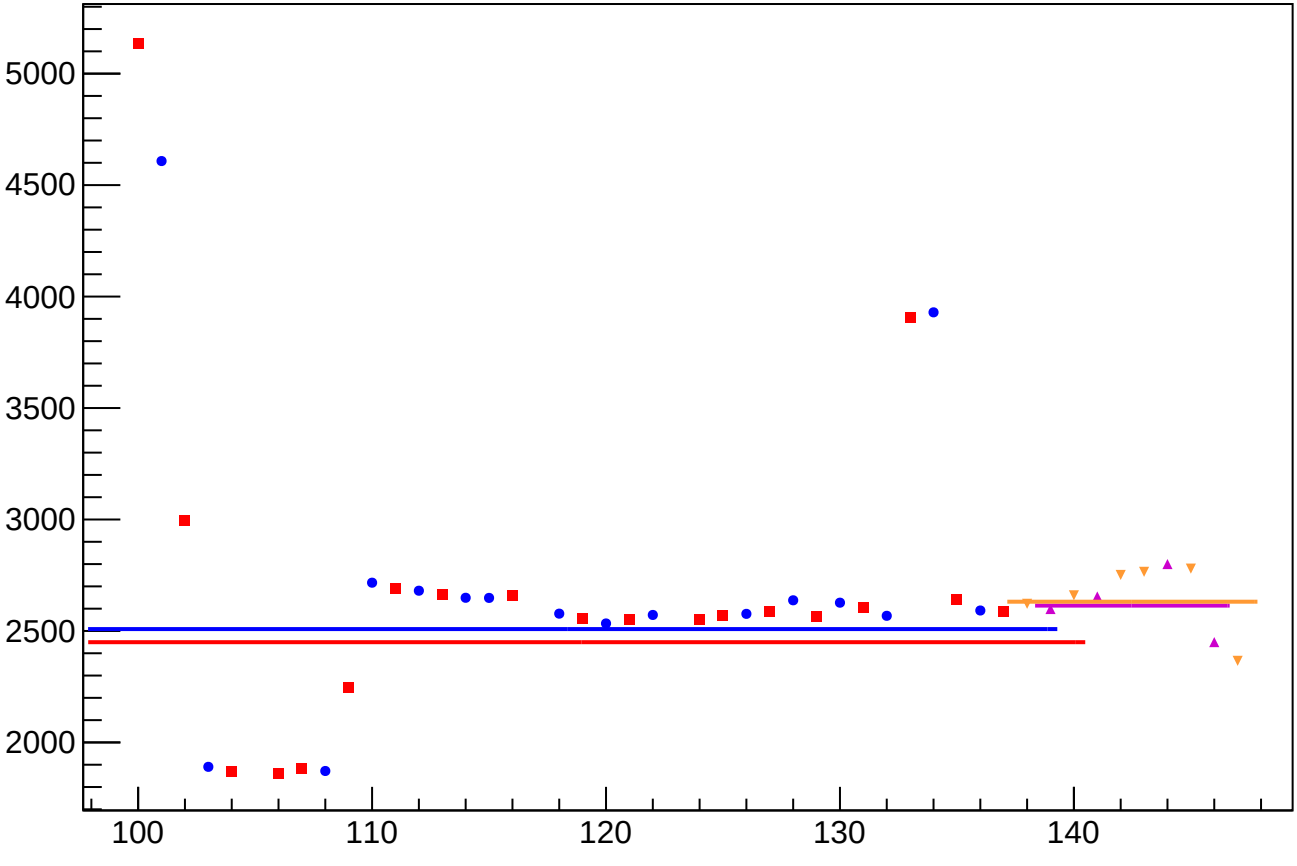
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4217.633+/-785.807 χ^2/NDF:10.7/19

Out: 1233.347+/-739.924 χ^2/NDF:24.6/24

All: 2635.824+/-538.696 χ^2/NDF: 42.9/44

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2631.272+/-0.877 χ^2/NDF:31144.8/5

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

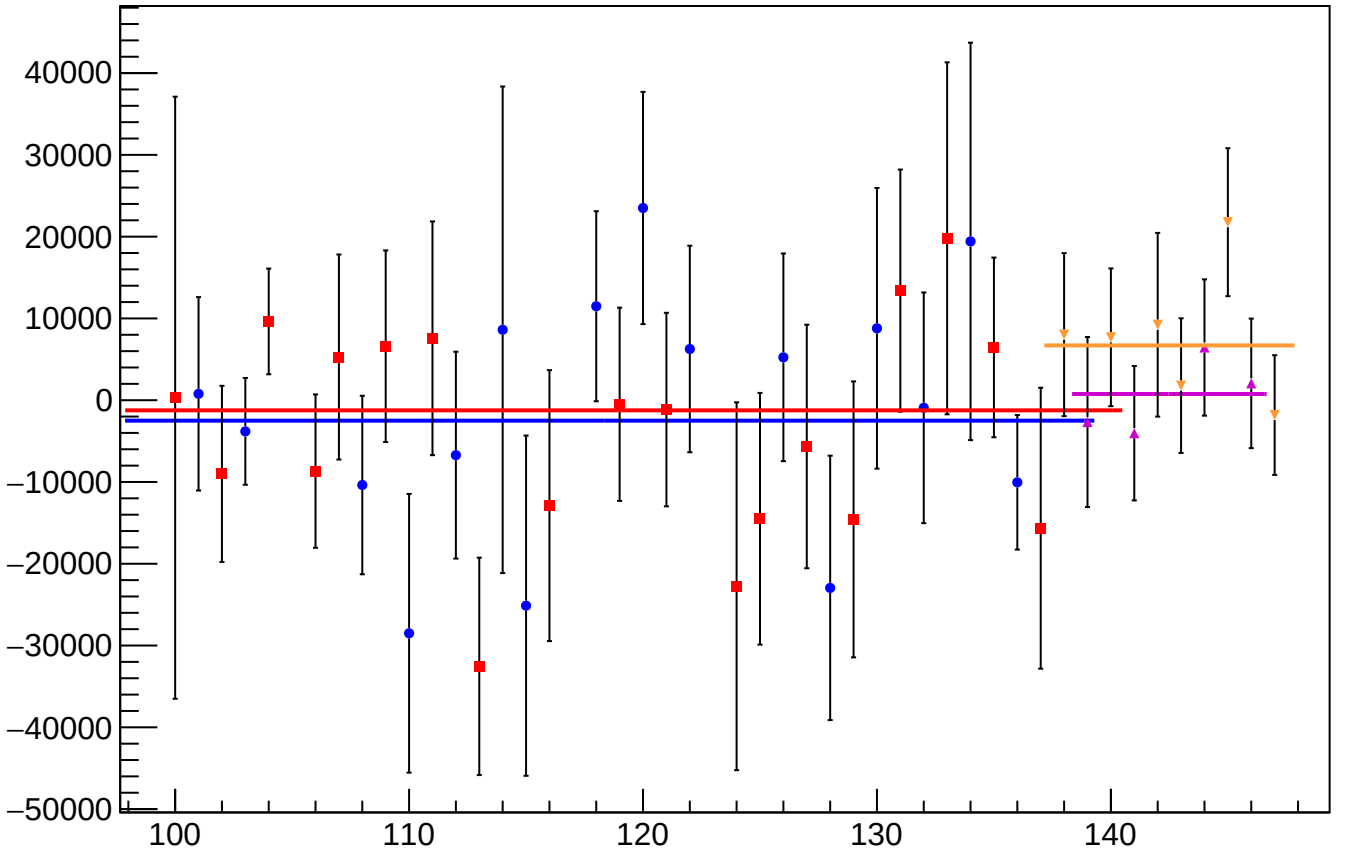
Left: 2623.557+/-0.655 χ^2/NDF: 47825.4/9

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2542.037+/-0.556 χ^2/NDF:635899.2/19

Out: 2514.326+/-0.523 χ^2/NDF:495623.0/24

All: 2527.349+/-0.381 χ^2/NDF: 1132840.5/44



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6698.029+/-3586.745 χ^2/NDF:4.6/5

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 757.623+/-4287.708 χ^2/NDF:0.9/3

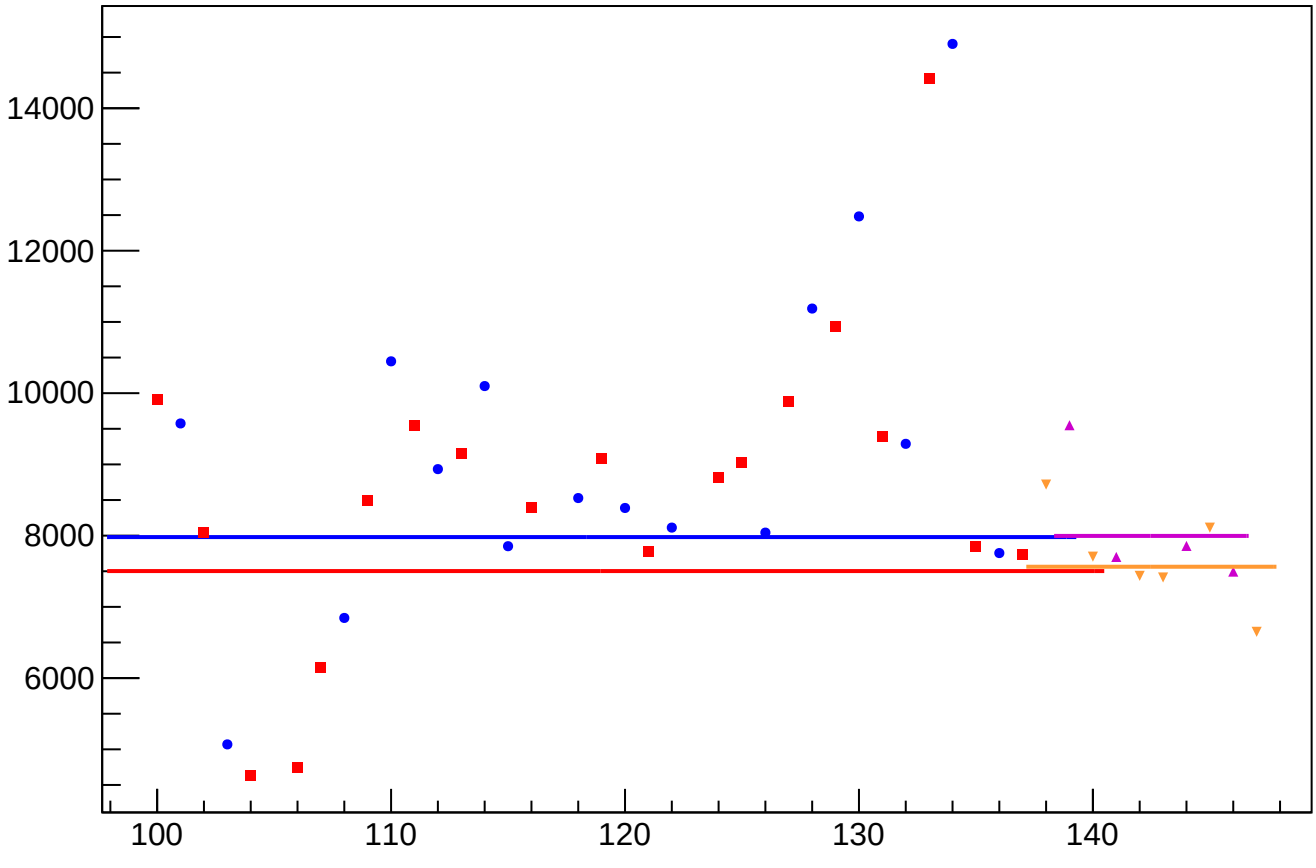
Left: 4252.468+/-2751.100 χ^2/NDF: 6.6/9

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -1393.511+/-2499.180 χ^2/NDF:15.1/19

Out: 1889.443+/-2252.026 χ^2/NDF:24.2/24

All: 418.282+/-1672.997 χ^2/NDF: 40.2/44



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7563.446+/-2.536 χ^2/NDF:66814.0/5

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7996.220+/-3.032 χ^2/NDF:55839.9/3

Left: 7741.612+/-1.945 χ^2/NDF: 134640.9/9

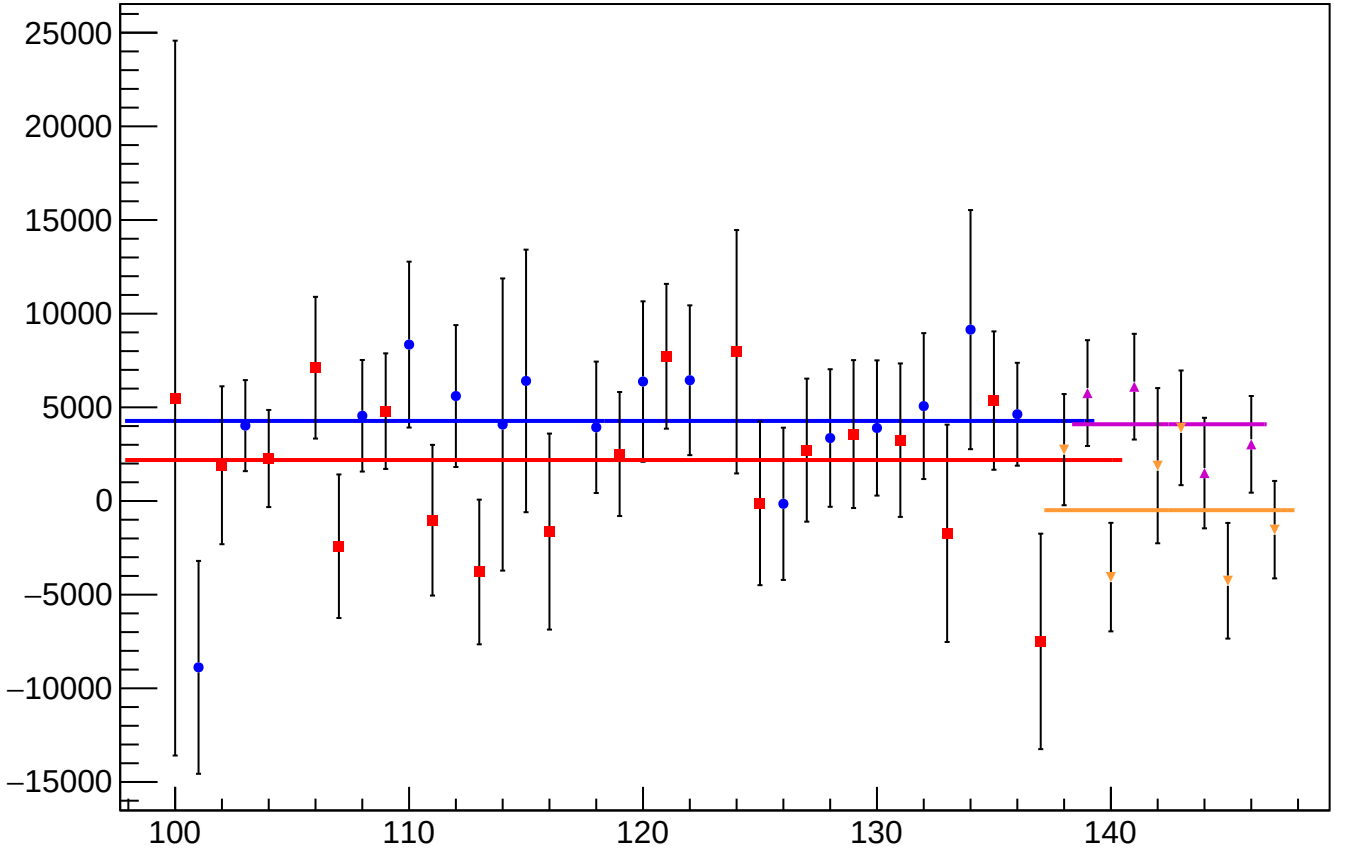
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7985.386+/-1.767 χ^2/NDF:978644.6/19

Out: 7526.639+/-1.592 χ^2/NDF:1202685.2/24

All: 7732.213+/-1.183 χ^2/NDF: 2218519.8/44

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -490.721+/-1239.913 χ^2/NDF:6.7/5

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 4097.289+/-1392.160 χ^2/NDF:1.8/3

Left: 1538.784+/-925.917 χ^2/NDF: 14.6/9

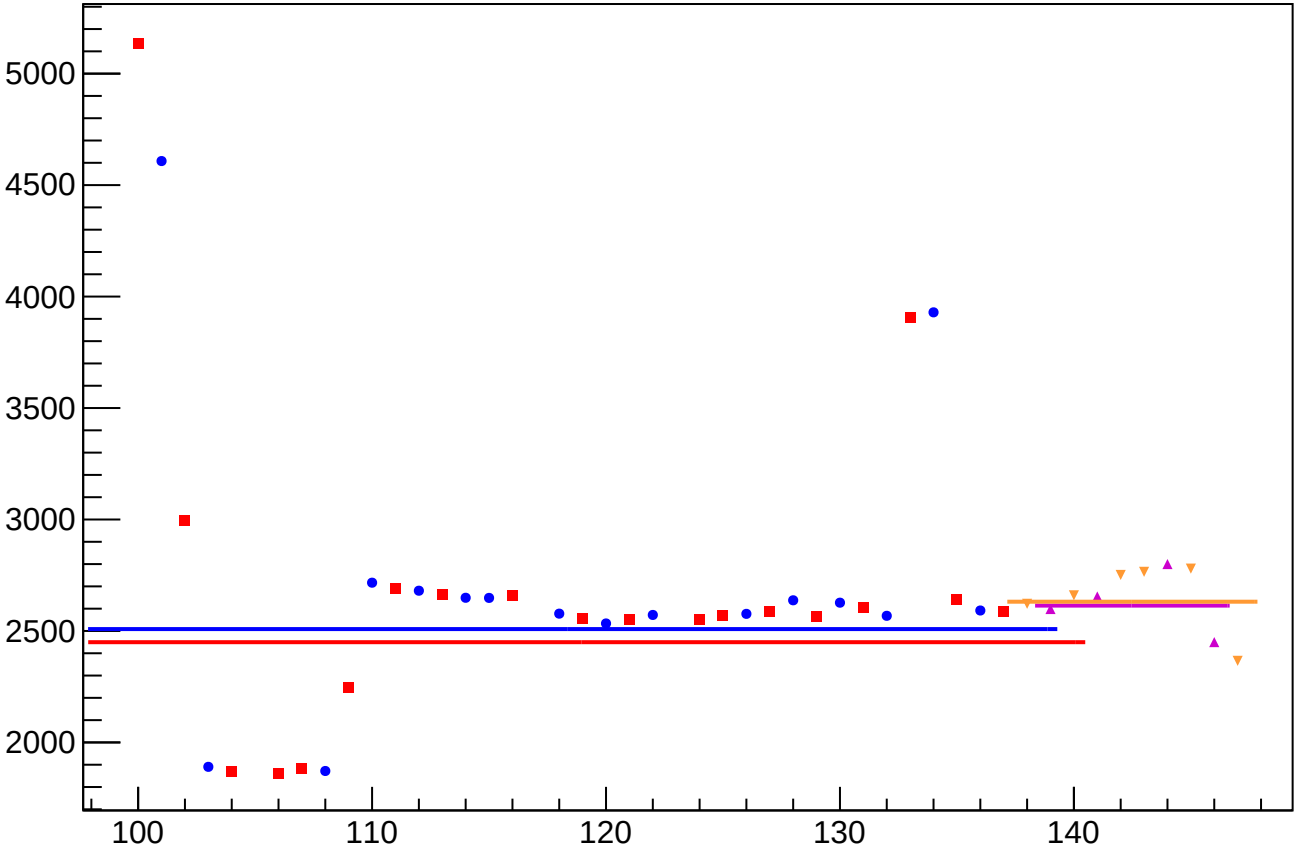
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4217.633+/-785.807 χ^2/NDF:10.7/19

Out: 1233.347+/-739.924 χ^2/NDF:24.6/24

All: 2635.824+/-538.696 χ^2/NDF: 42.9/44

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2631.272+/-0.877 χ^2/NDF:31144.8/5

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2613.832+/-0.984 χ^2/NDF:16505.6/3

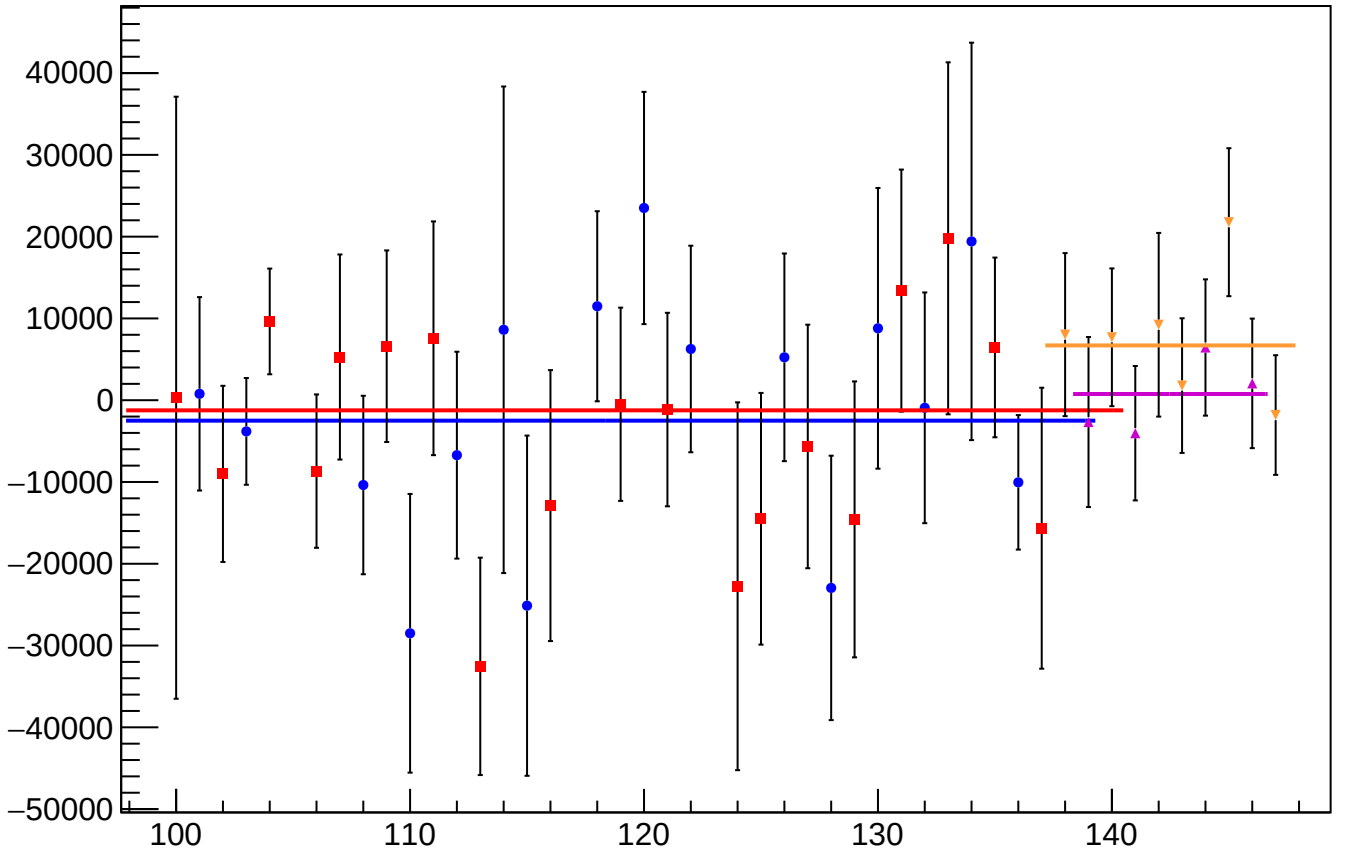
Left: 2623.557+/-0.655 χ^2/NDF: 47825.4/9

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2542.037+/-0.556 χ^2/NDF:635899.2/19

Out: 2514.326+/-0.523 χ^2/NDF:495623.0/24

All: 2527.349+/-0.381 χ^2/NDF: 1132840.5/44



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 6698.029+/-3586.745 χ^2/NDF:4.6/5

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 757.623+/-4287.708 χ^2/NDF:0.9/3

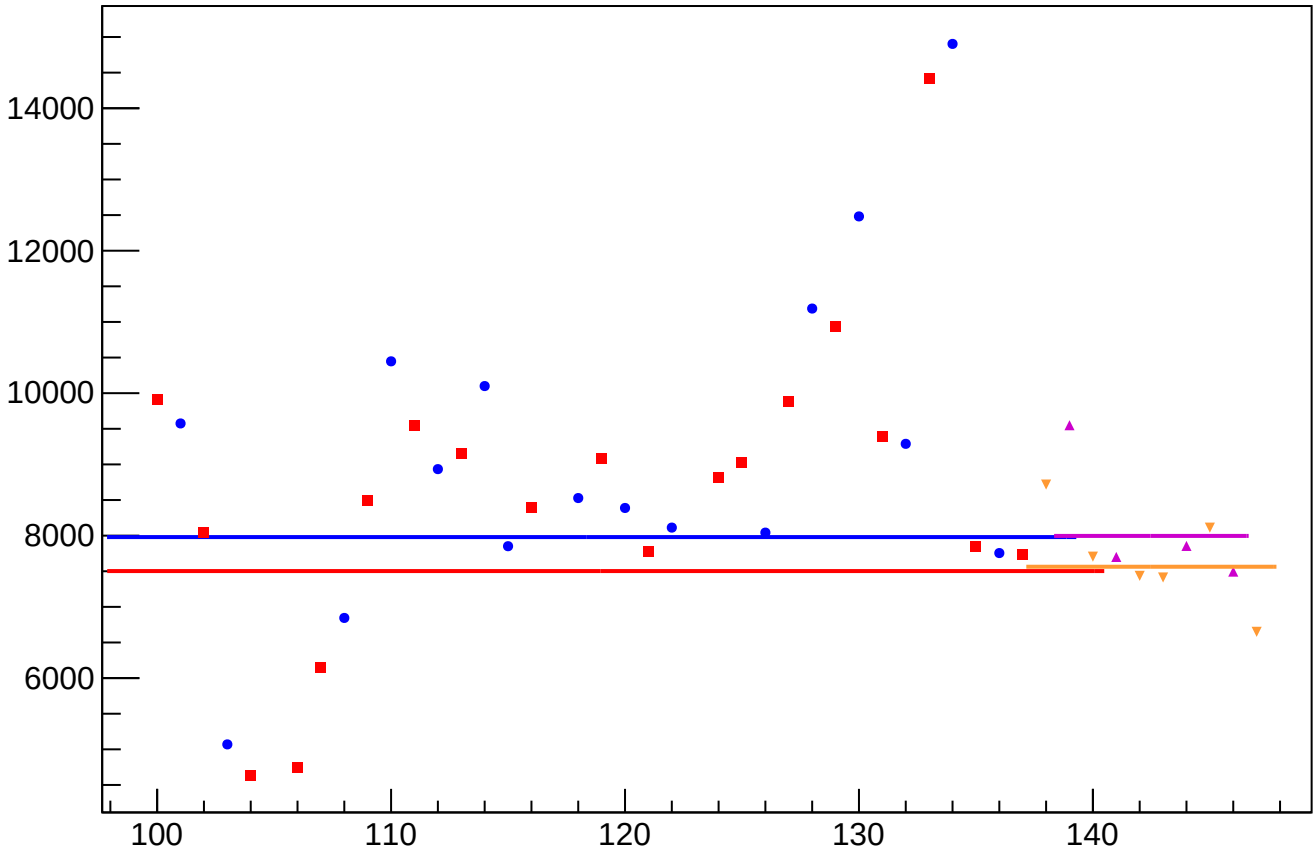
Left: 4252.468+/-2751.100 χ^2/NDF: 6.6/9

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -1393.511+/-2499.180 χ^2/NDF:15.1/19

Out: 1889.443+/-2252.026 χ^2/NDF:24.2/24

All: 418.282+/-1672.997 χ^2/NDF: 40.2/44



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7563.446+/-2.536 χ^2/NDF:66814.0/5

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7996.220+/-3.032 χ^2/NDF:55839.9/3

Left: 7741.612+/-1.945 χ^2/NDF: 134640.9/9

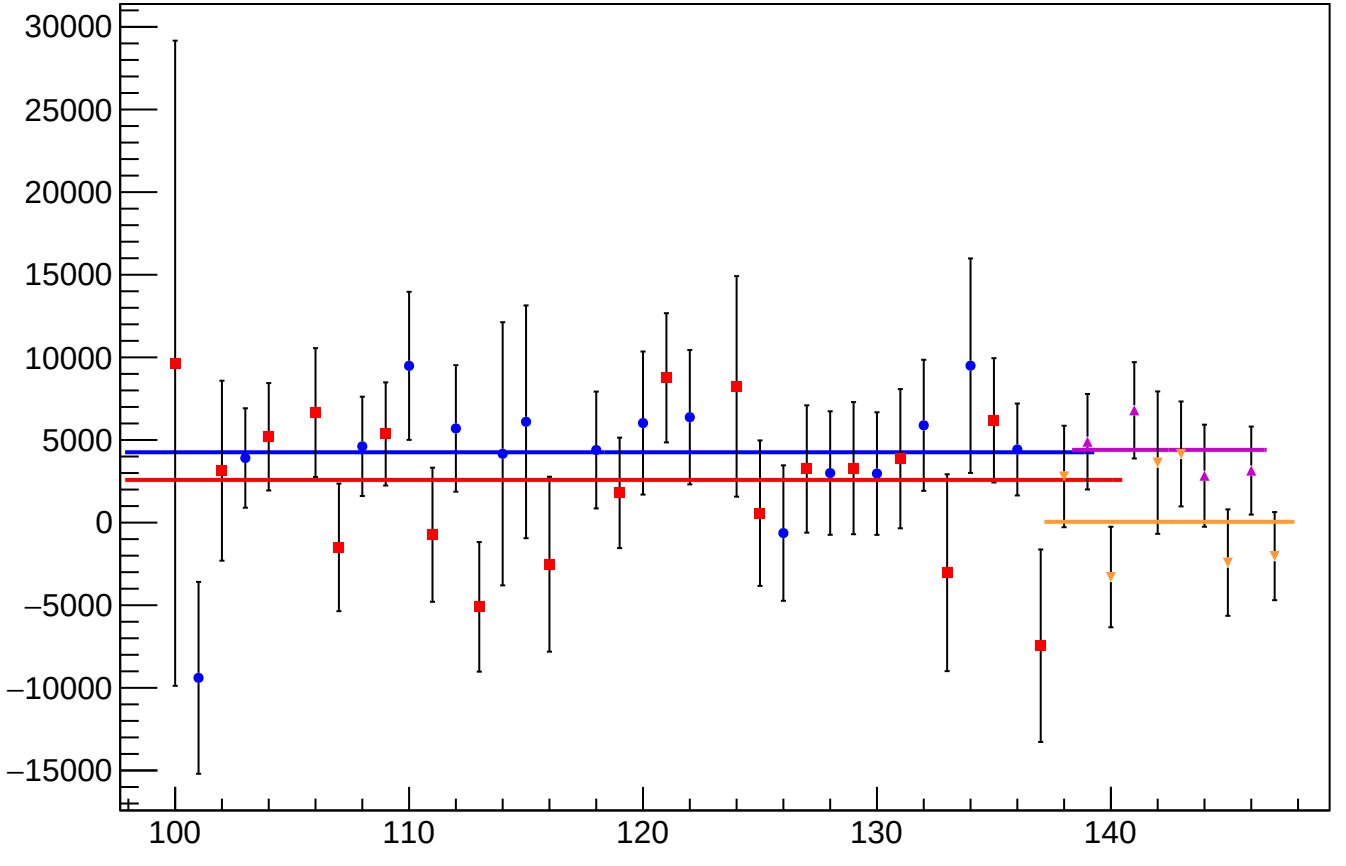
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7985.386+/-1.767 χ^2/NDF:978644.6/19

Out: 7526.639+/-1.592 χ^2/NDF:1202685.2/24

All: 7732.213+/-1.183 χ^2/NDF: 2218519.8/44

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 48.272+/-1286.314 χ^2/NDF:5.6/5

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 4403.058+/-1438.330 χ^2/NDF:1.2/3

Left: 1983.453+/-958.817 χ^2/NDF: 11.8/9

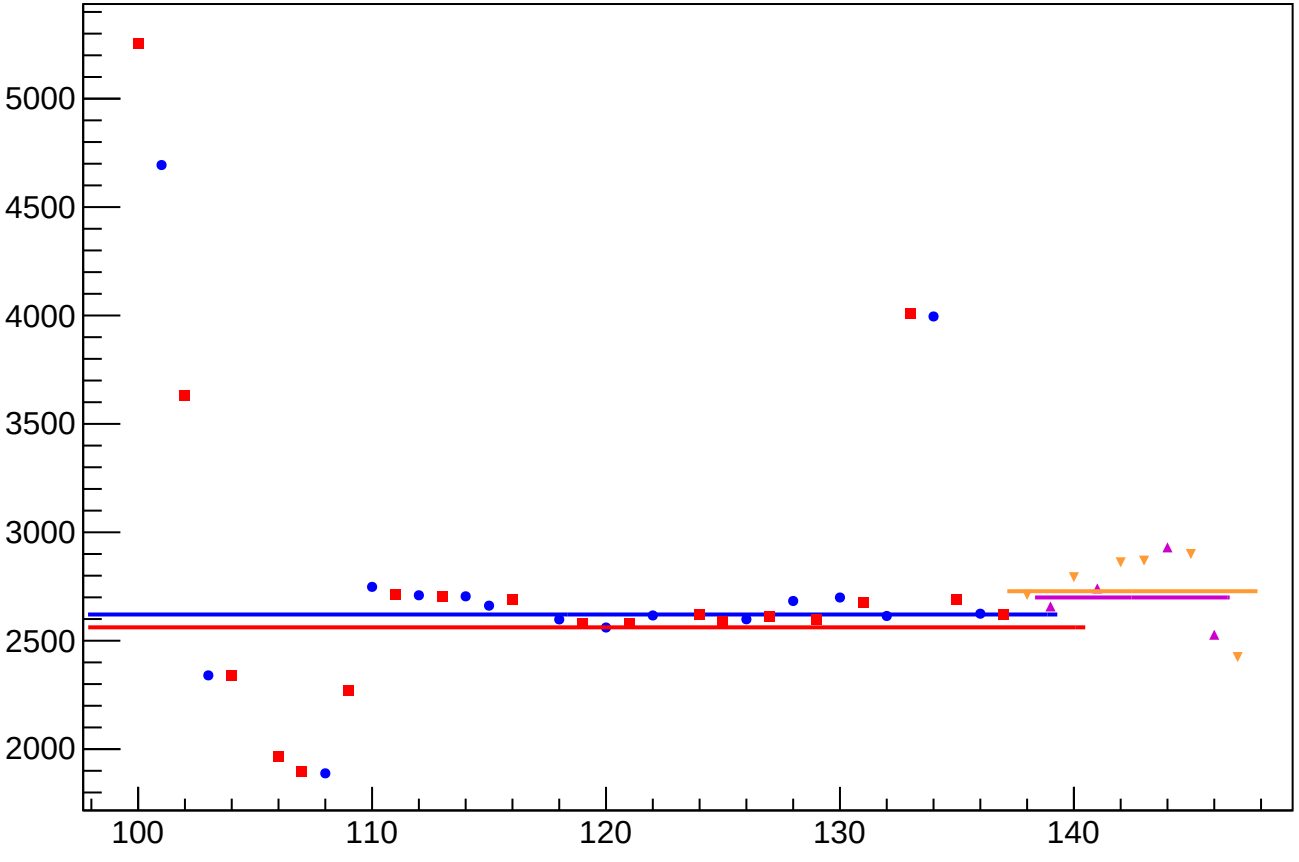
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4303.971+/-815.800 χ^2/NDF:11.2/19

Out: 1669.989+/-772.460 χ^2/NDF:25.7/24

All: 2915.158+/-560.908 χ^2/NDF: 42.4/44

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2728.327+/-0.910 χ^2/NDF:38470.5/5

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2699.479+/-1.017 χ^2/NDF:20348.3/3

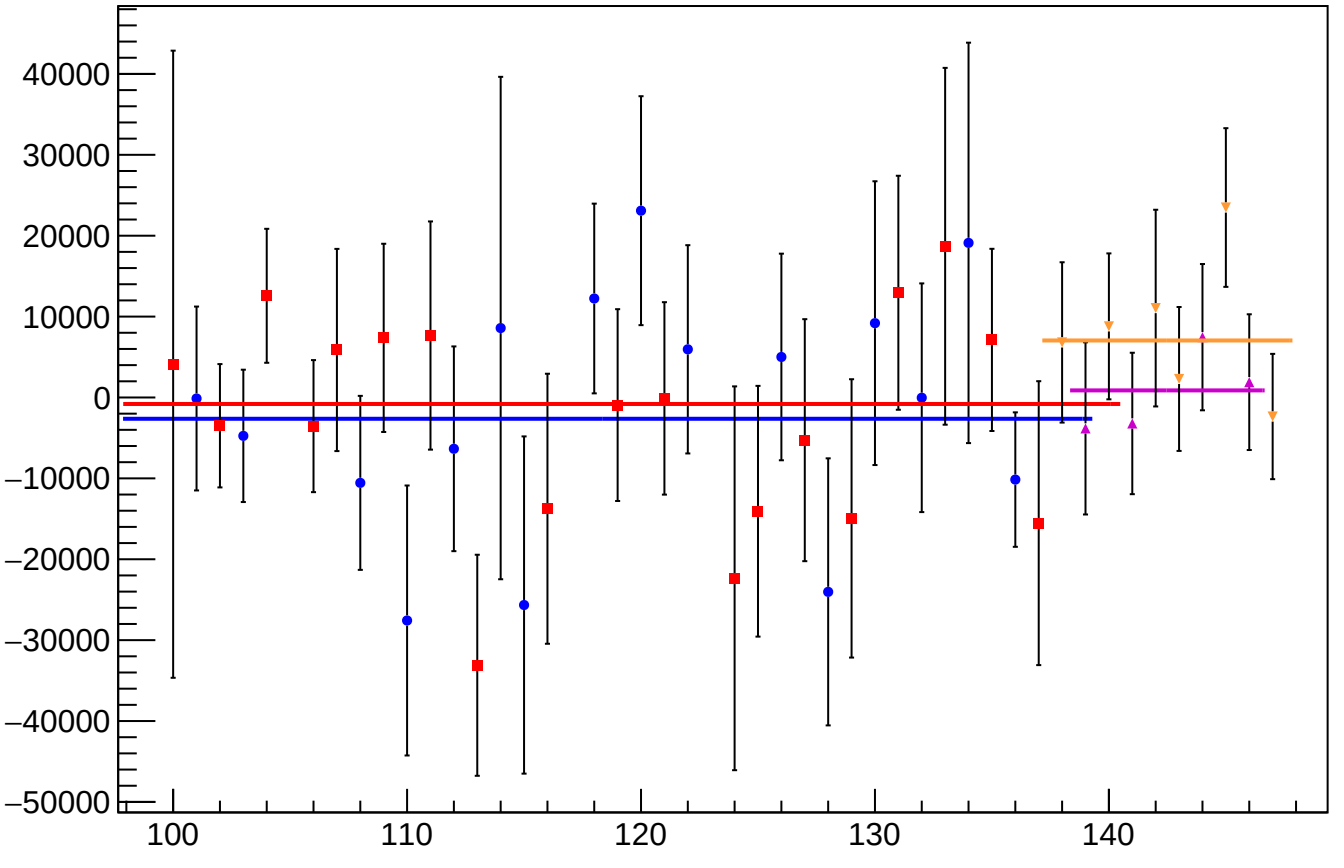
Left: 2715.507+/-0.678 χ^2/NDF: 59265.8/9

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2646.222+/-0.577 χ^2/NDF:510304.8/19

Out: 2621.757+/-0.546 χ^2/NDF:438191.9/24

All: 2633.318+/-0.397 χ^2/NDF: 949445.4/44



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 7048.180+/-3808.685 χ^2/NDF:4.7/5

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 876.102+/-4547.820 χ^2/NDF:1.0/3

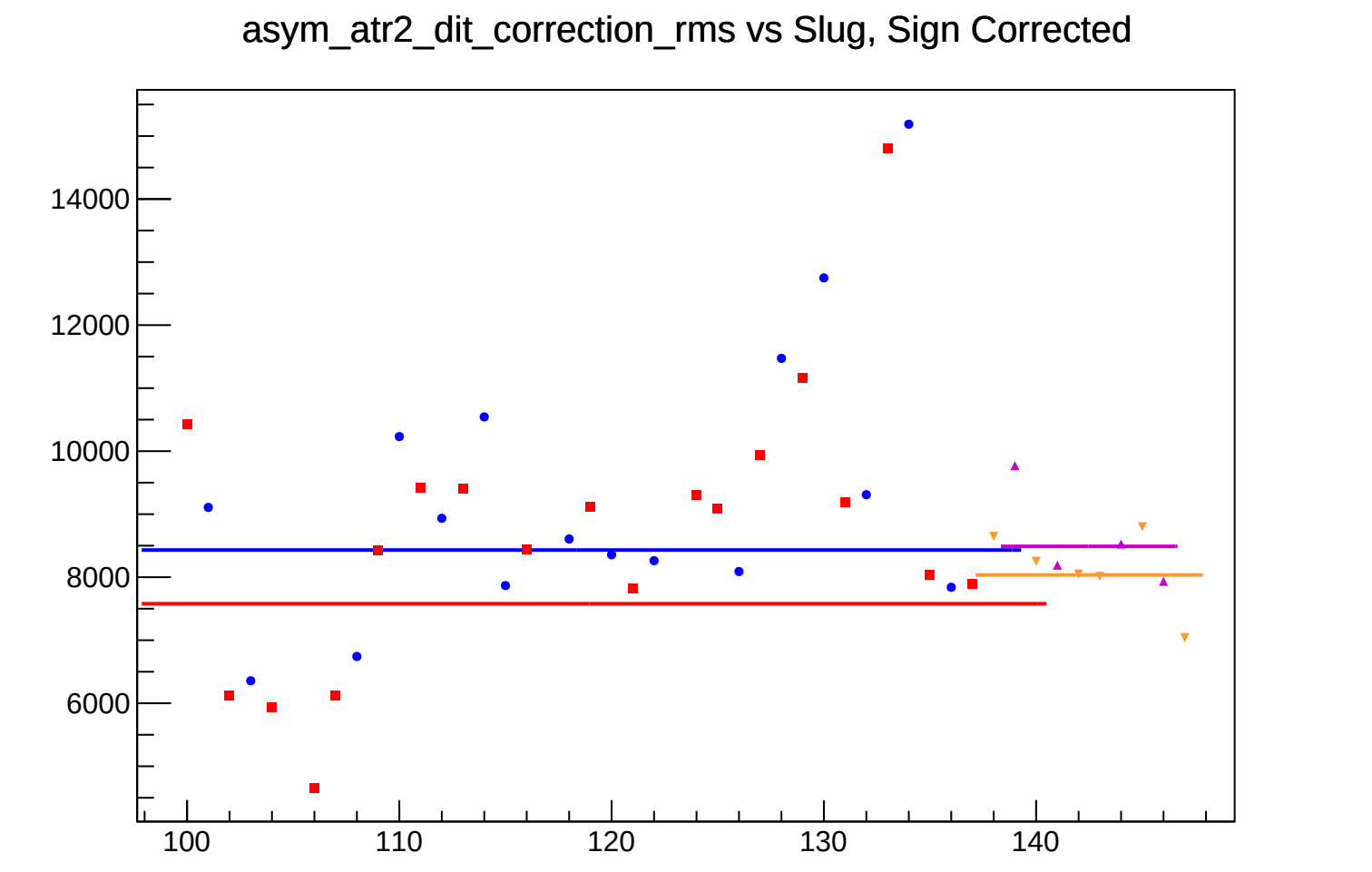
Left: 4503.825+/-2919.957 χ^2/NDF: 6.8/9

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -1464.659+/-2623.349 χ^2/NDF:15.2/19

Out: 2044.272+/-2293.592 χ^2/NDF:22.8/24

All: 524.081+/-1726.704 χ^2/NDF: 39.0/44



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8035.542+/-2.693 χ^2/NDF:54099.6/5

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8489.239+/-3.216 χ^2/NDF:40002.6/3

Left: 8222.572+/-2.065 χ^2/NDF: 105801.5/9

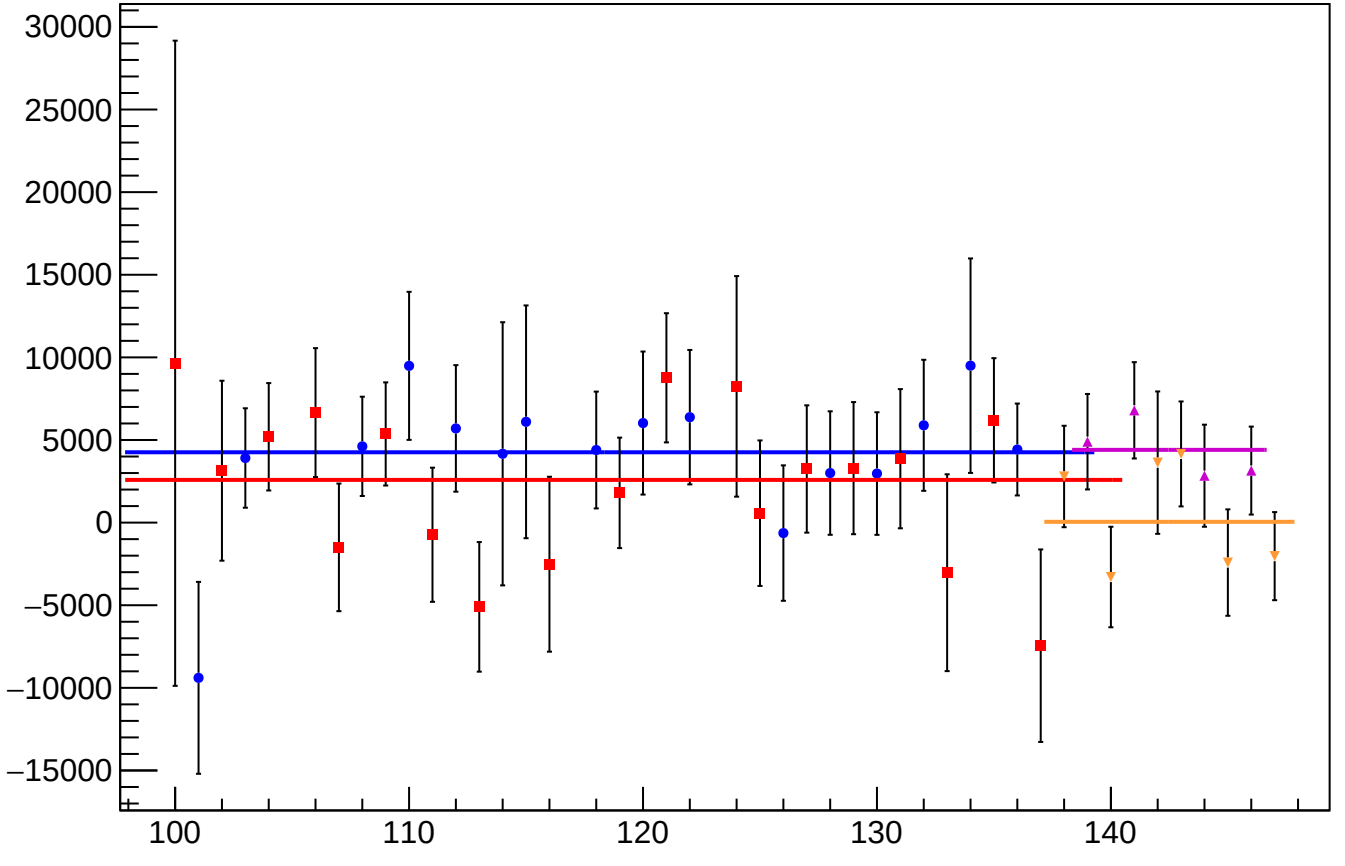
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8450.224+/-1.855 χ^2/NDF:620518.3/19

Out: 7744.634+/-1.622 χ^2/NDF:1046533.2/24

All: 8050.320+/-1.221 χ^2/NDF: 1749053.6/44

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 48.272+/-1286.315 χ^2/NDF:5.6/5

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 4403.044+/-1438.331 χ^2/NDF:1.2/3

Left: 1983.447+/-958.818 χ^2/NDF: 11.8/9

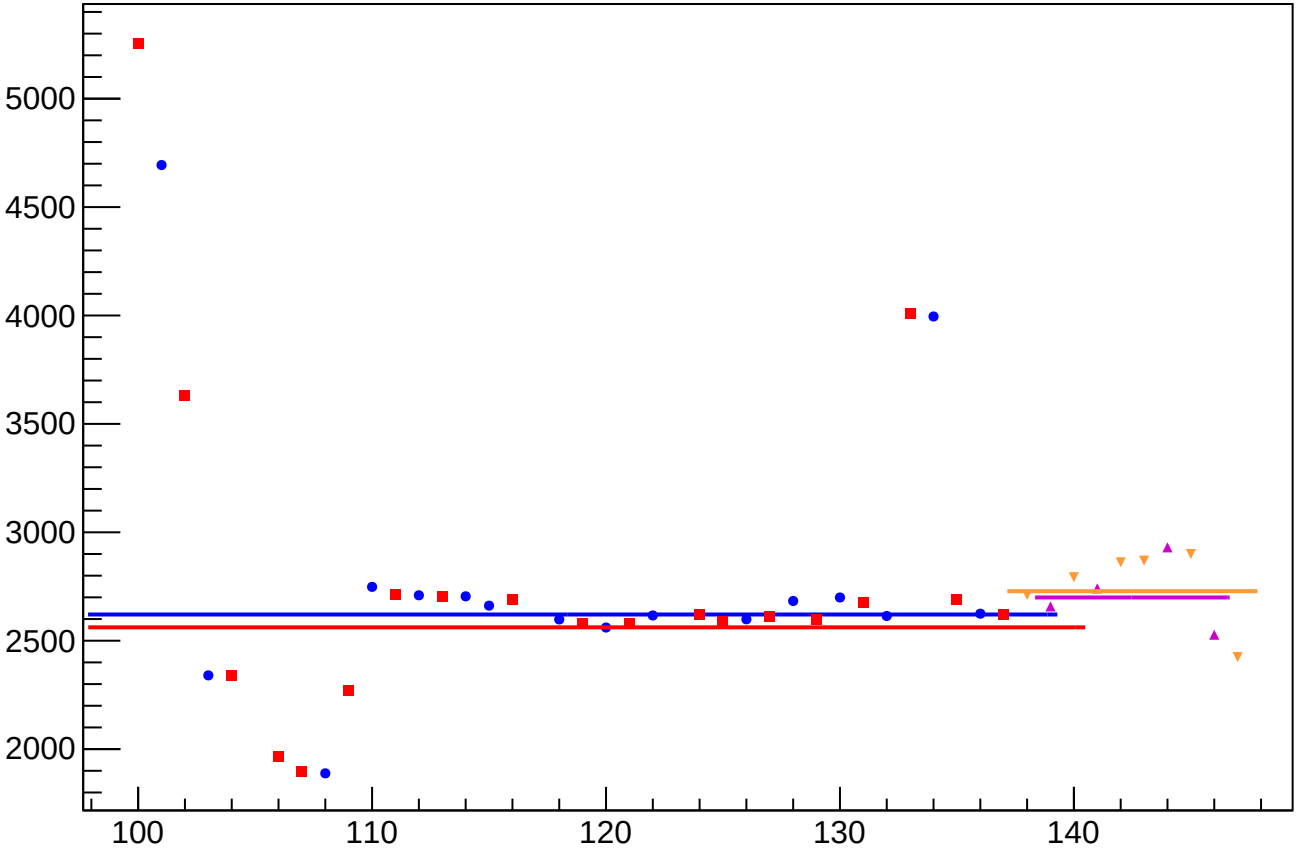
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4303.971+/-815.800 χ^2/NDF:11.2/19

Out: 1669.996+/-772.460 χ^2/NDF:25.7/24

All: 2915.163+/-560.908 χ^2/NDF: 42.4/44

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2728.329+/-0.910 χ^2/NDF:38470.6/5

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2699.481+/-1.017 χ^2/NDF:20348.1/3

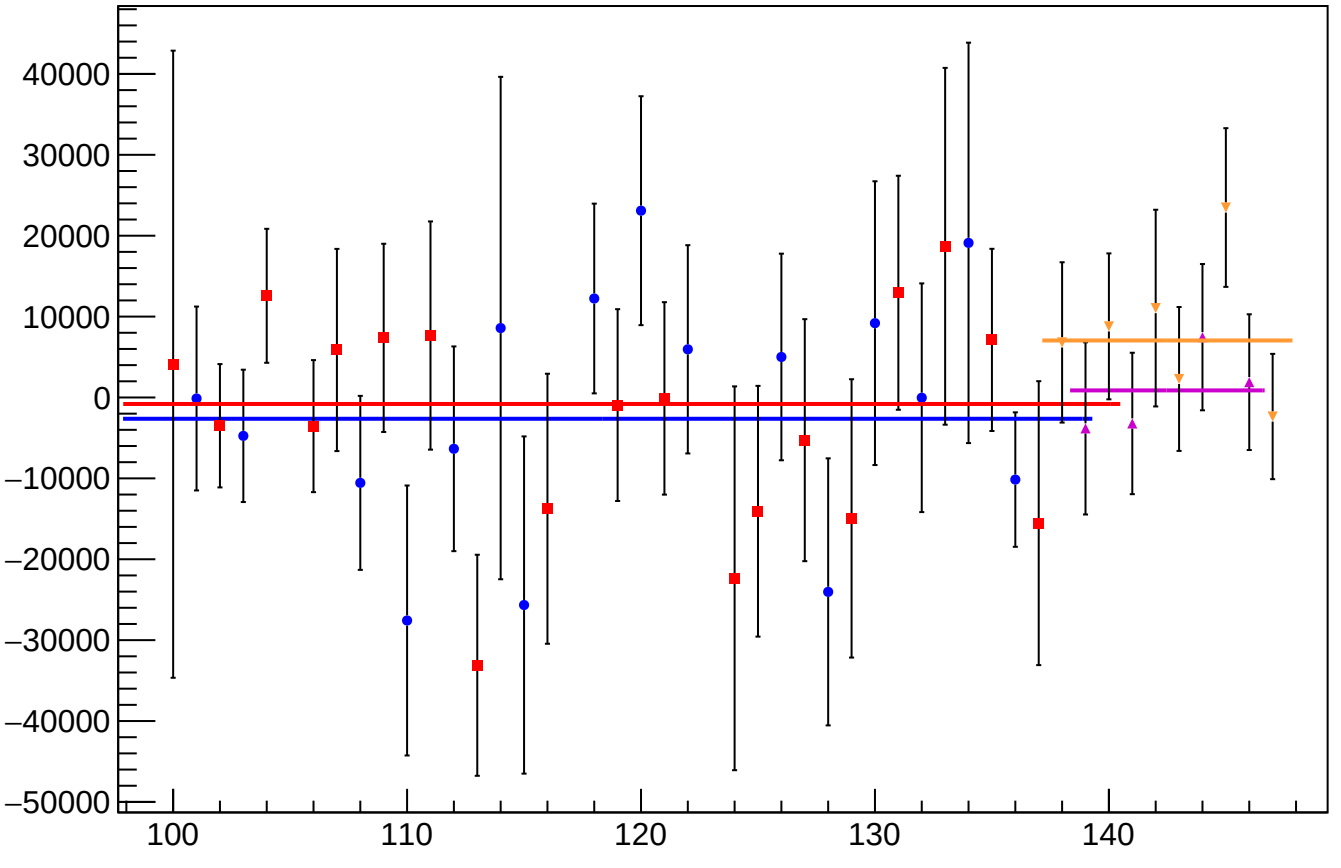
Left: 2715.509+/-0.678 χ^2/NDF: 59265.7/9

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2646.222+/-0.577 χ^2/NDF:510305.1/19

Out: 2621.757+/-0.546 χ^2/NDF:438191.9/24

All: 2633.318+/-0.397 χ^2/NDF: 949445.7/44



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 7048.185+/-3808.690 χ^2/NDF:4.7/5

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 876.083+/-4547.825 χ^2/NDF:1.0/3

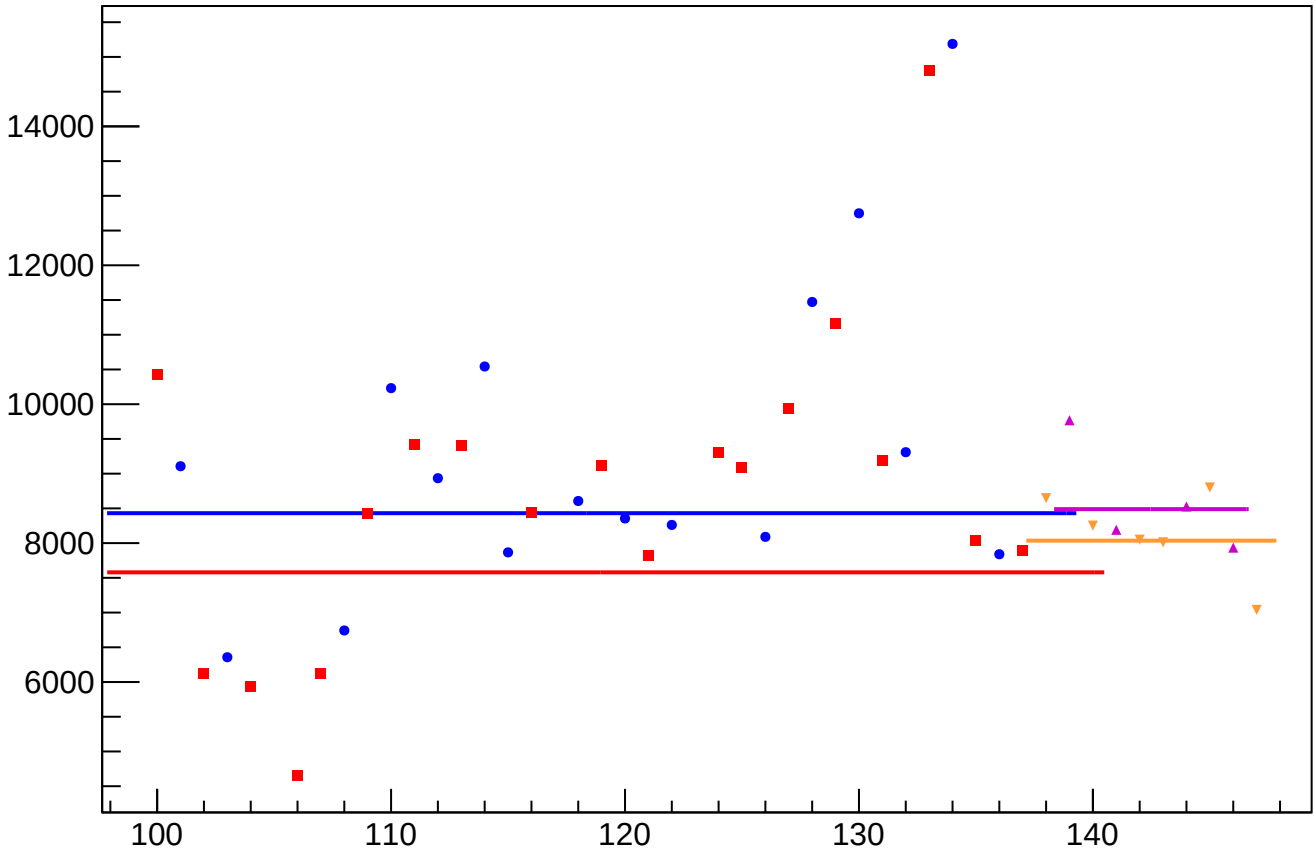
Left: 4503.820+/-2919.961 χ^2/NDF: 6.8/9

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -1464.647+/-2623.348 χ^2/NDF:15.2/19

Out: 2044.265+/-2293.591 χ^2/NDF:22.8/24

All: 524.082+/-1726.703 χ^2/NDF: 39.0/44



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8035.554+/-2.693 χ^2/NDF:54099.6/5

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8489.249+/-3.216 χ^2/NDF:40003.0/3

Left: 8222.583+/-2.065 χ^2/NDF: 105801.8/9

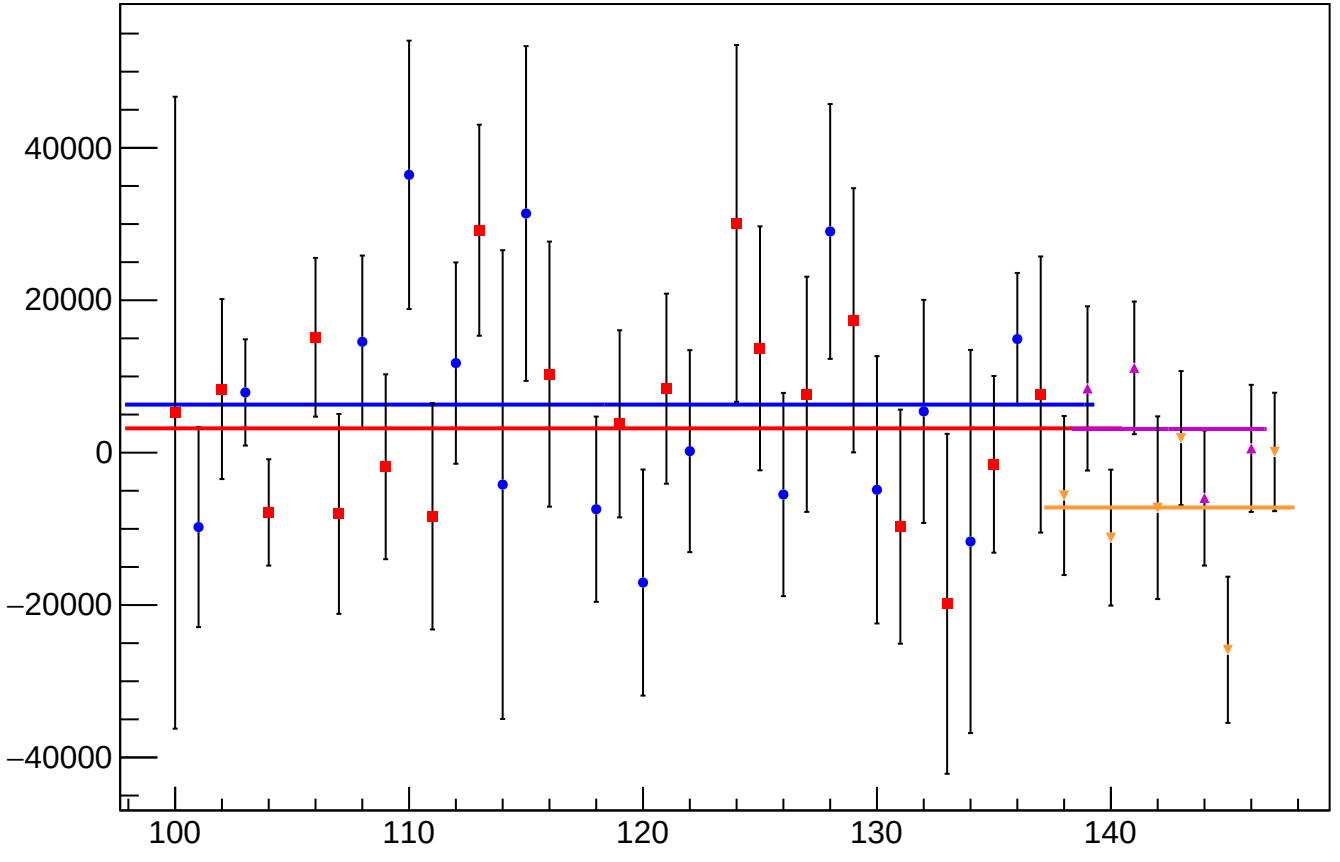
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8450.220+/-1.855 χ^2/NDF:620513.1/19

Out: 7744.630+/-1.622 χ^2/NDF:1046531.3/24

All: 8050.317+/-1.221 χ^2/NDF: 1749046.7/44

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -7196.151+/-3805.034 χ^2/NDF:6.0/5

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 3105.068+/-4521.460 χ^2/NDF:2.2/3

Left: -2925.363+/-2911.310 χ^2/NDF: 11.2/9

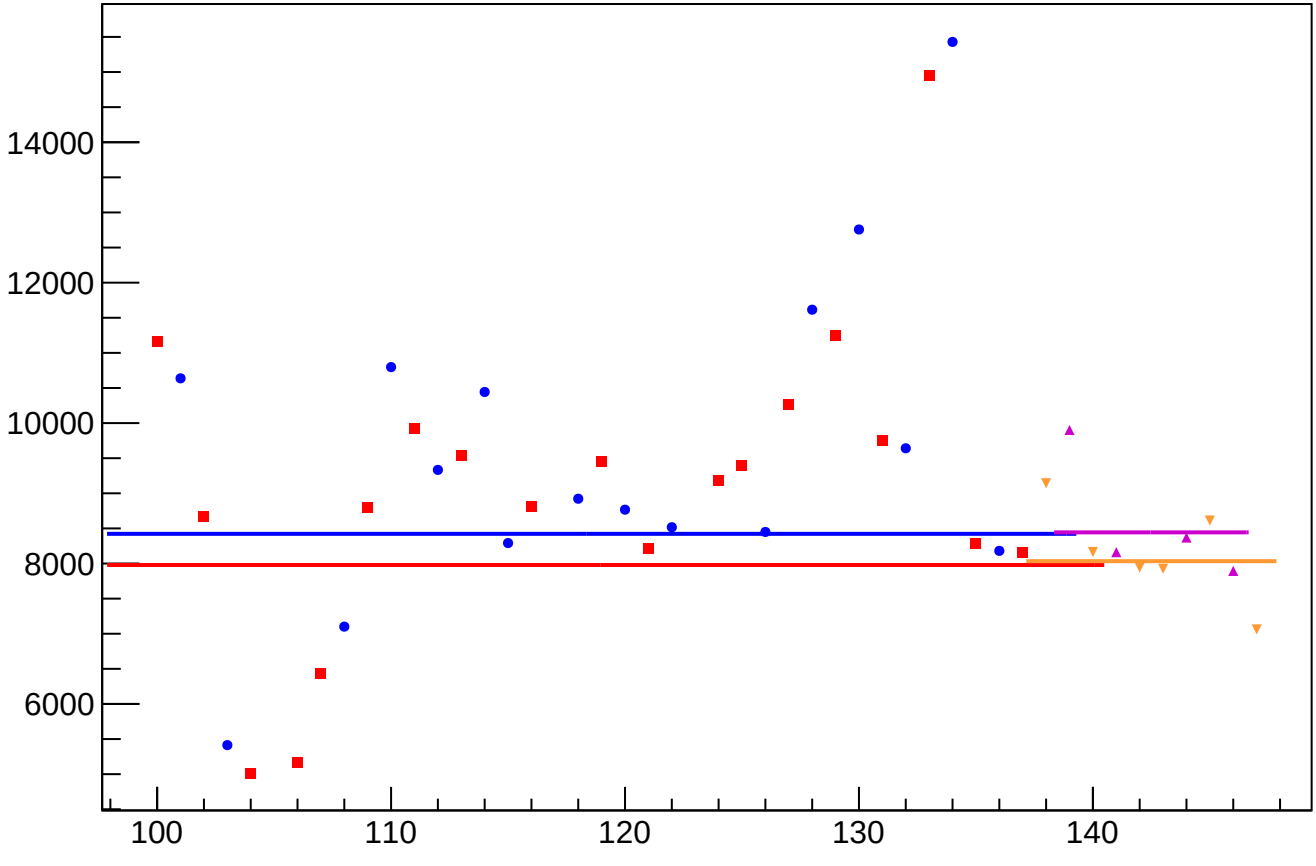
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 5220.816+/-2633.473 χ^2/NDF:17.7/19

Out: -903.406+/-2388.652 χ^2/NDF:24.4/24

All: 1860.867+/-1769.269 χ^2/NDF: 45.0/44

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8033.352+/-2.691 χ^2/NDF:62027.4/5

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8443.768+/-3.197 χ^2/NDF:47533.6/3

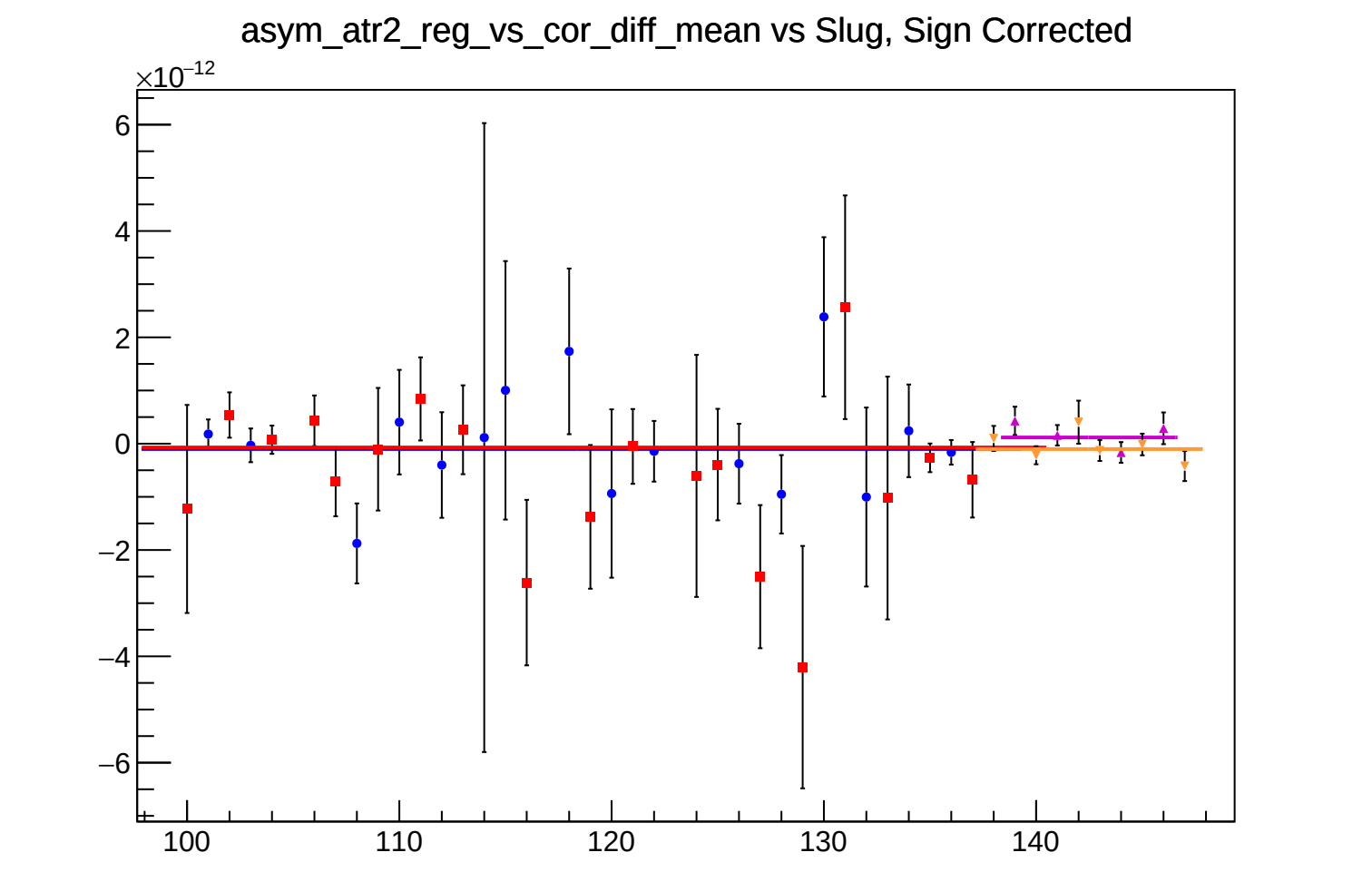
Left: 8203.507+/-2.059 χ^2/NDF: 119207.7/9

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8429.858+/-1.862 χ^2/NDF:929396.1/19

Out: 8000.417+/-1.689 χ^2/NDF:1078293.7/24

All: 8194.250+/-1.251 χ^2/NDF: 2036868.6/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/3

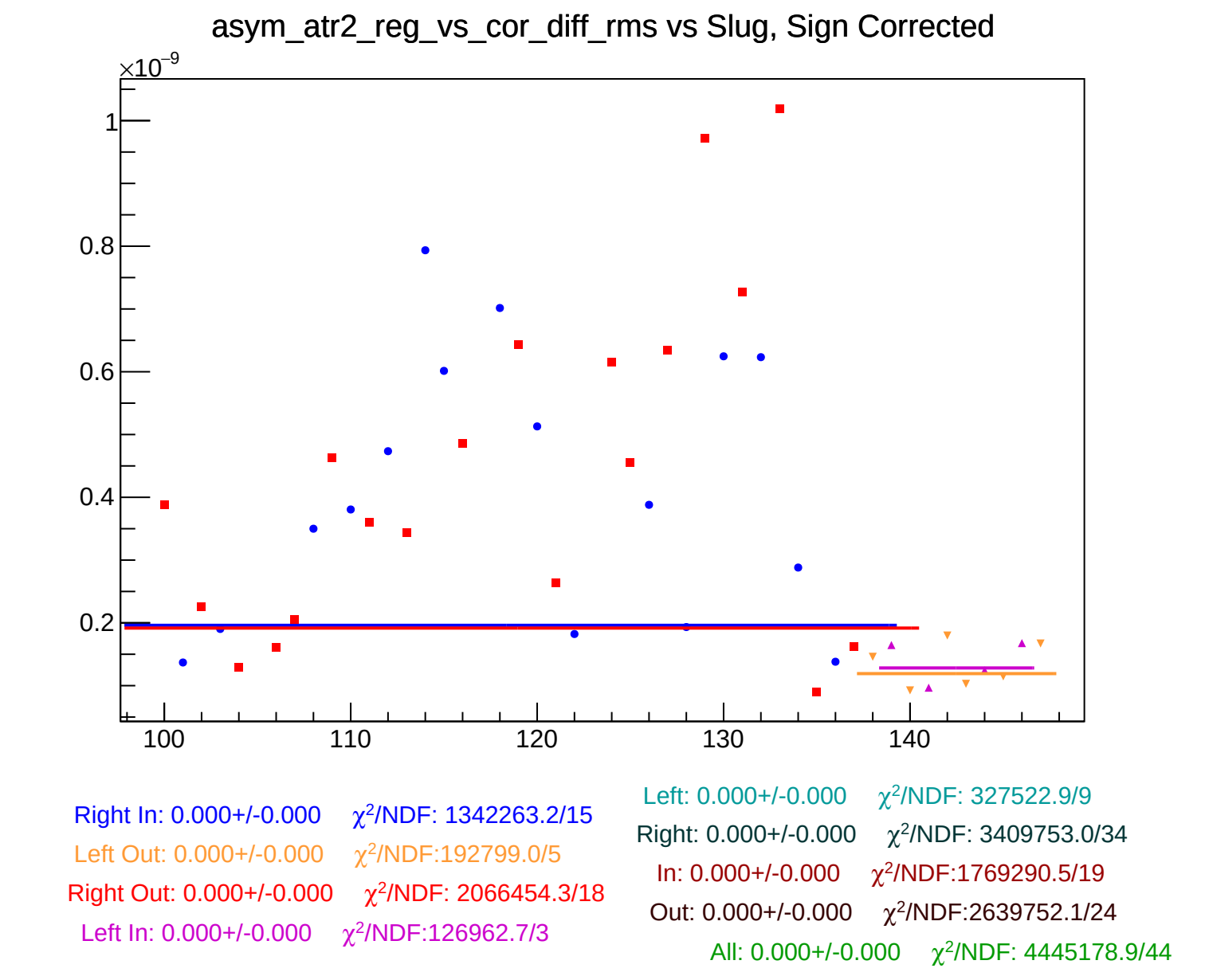
Left: -0.000+/-0.000 χ^2/NDF: 10.3/9

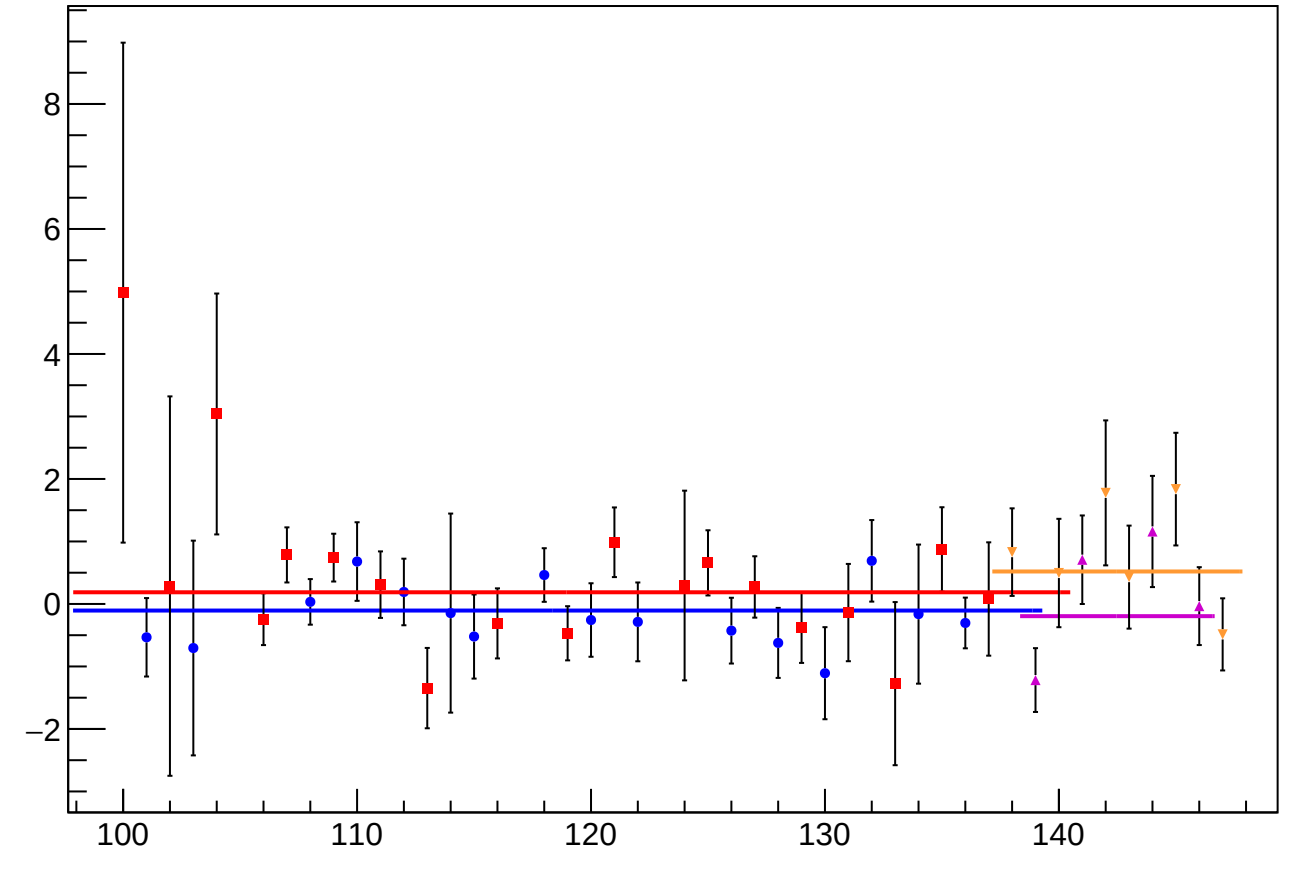
Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: 0.000+/-0.000 χ^2/NDF:19.0/19

Out: -0.000+/-0.000 χ^2/NDF:23.9/24

All: -0.000+/-0.000 χ^2/NDF: 44.0/44


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
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:192799.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:126962.7/3
Left: 0.000+/-0.000 χ²/NDF: 327522.9/9
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:1769290.5/19
Out: 0.000+/-0.000 χ²/NDF:2639752.1/24
All: 0.000+/-0.000 χ²/NDF: 4445178.9/44



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.195+/-0.322 χ^2/NDF:8.0/3

Left: 0.165+/-0.227 χ^2/NDF: 17.1/9

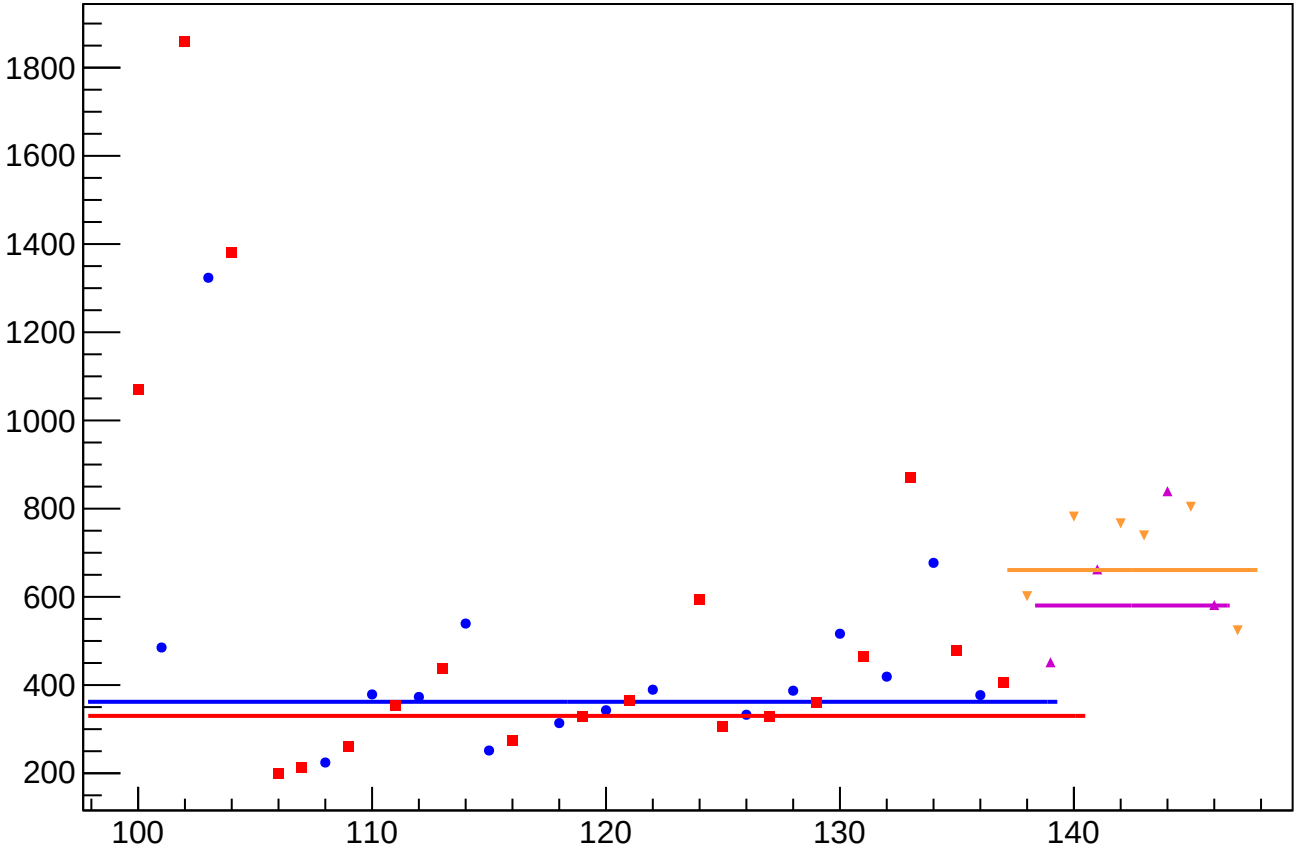
Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.121+/-0.132 χ^2/NDF:17.8/19

Out: 0.239+/-0.126 χ^2/NDF:31.3/24

All: 0.067+/-0.091 χ^2/NDF: 53.0/44

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 660.812+/-0.226 χ^2/NDF:251223.9/5

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 580.394+/-0.227 χ^2/NDF:323510.7/3

Left: 620.907+/-0.160 χ^2/NDF: 637737.7/9

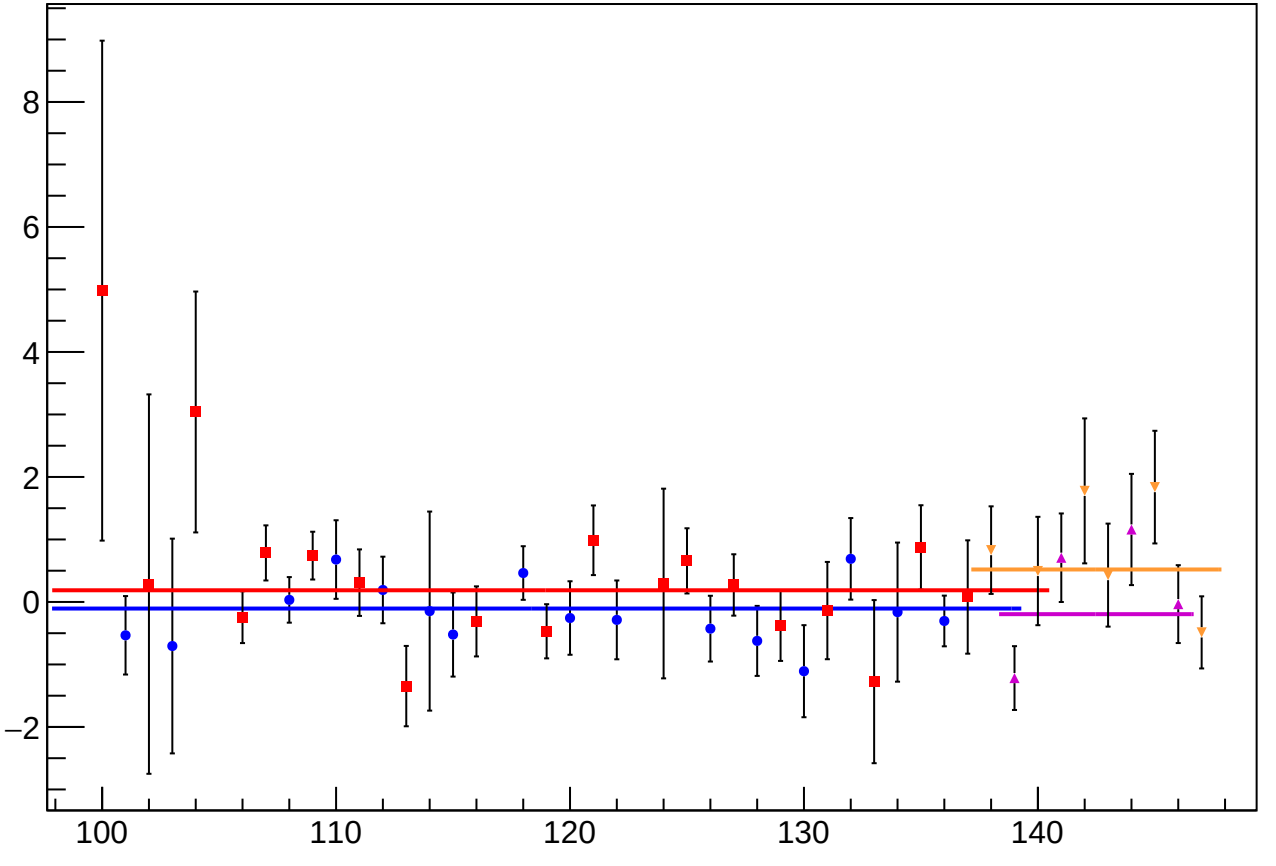
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 398.794+/-0.093 χ^2/NDF:2467659.5/19

Out: 381.800+/-0.089 χ^2/NDF:4309413.6/24

All: 389.920+/-0.064 χ^2/NDF: 6794397.4/44

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: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.195+/-0.322 χ^2/NDF:8.0/3

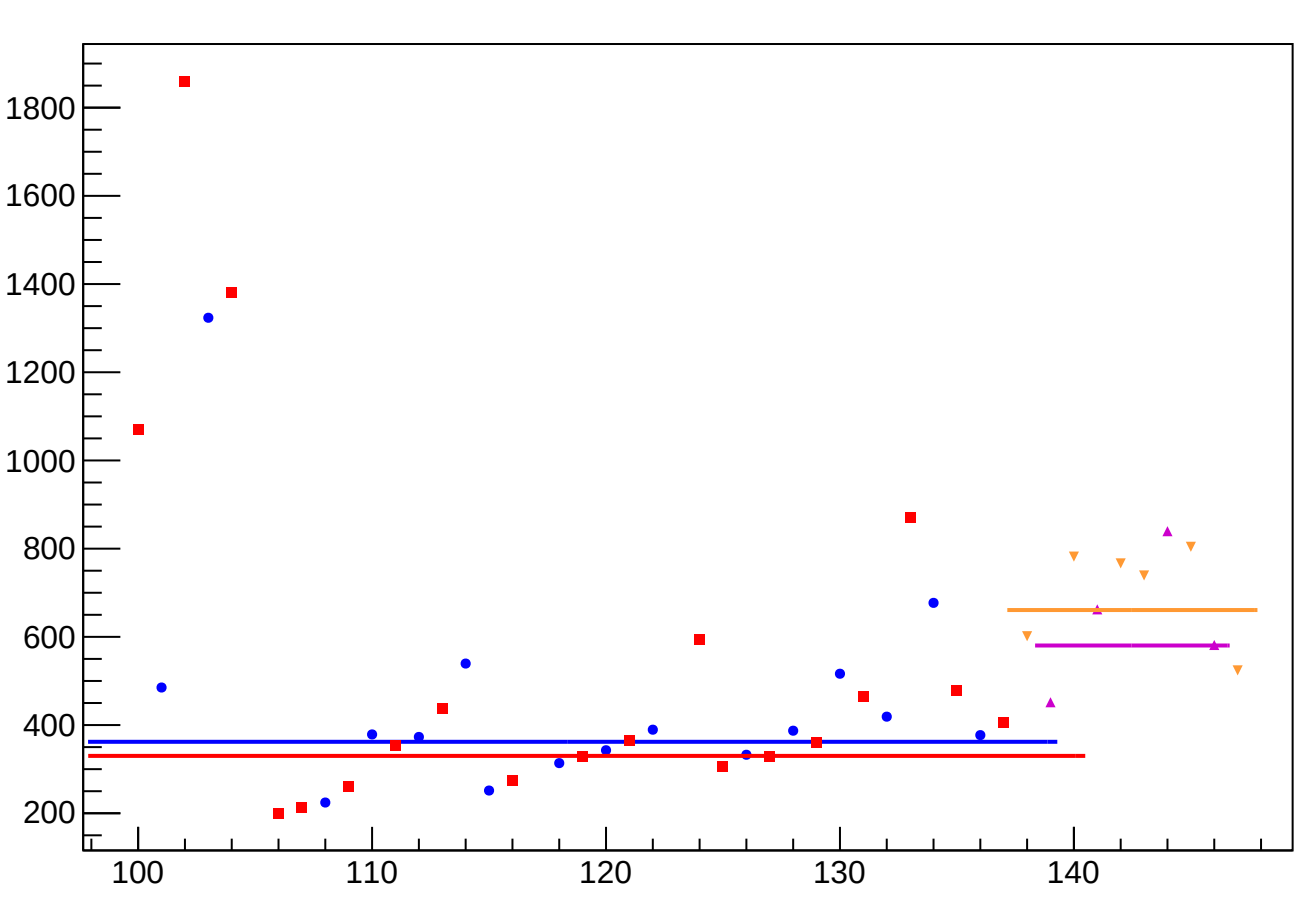
Left: 0.165+/-0.227 χ^2/NDF: 17.1/9

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.121+/-0.132 χ^2/NDF:17.8/19

Out: 0.239+/-0.126 χ^2/NDF:31.3/24

All: 0.067+/-0.091 χ^2/NDF: 53.0/44



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 660.812+/-0.226 χ^2/NDF:251223.9/5

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 580.394+/-0.227 χ^2/NDF:323510.7/3

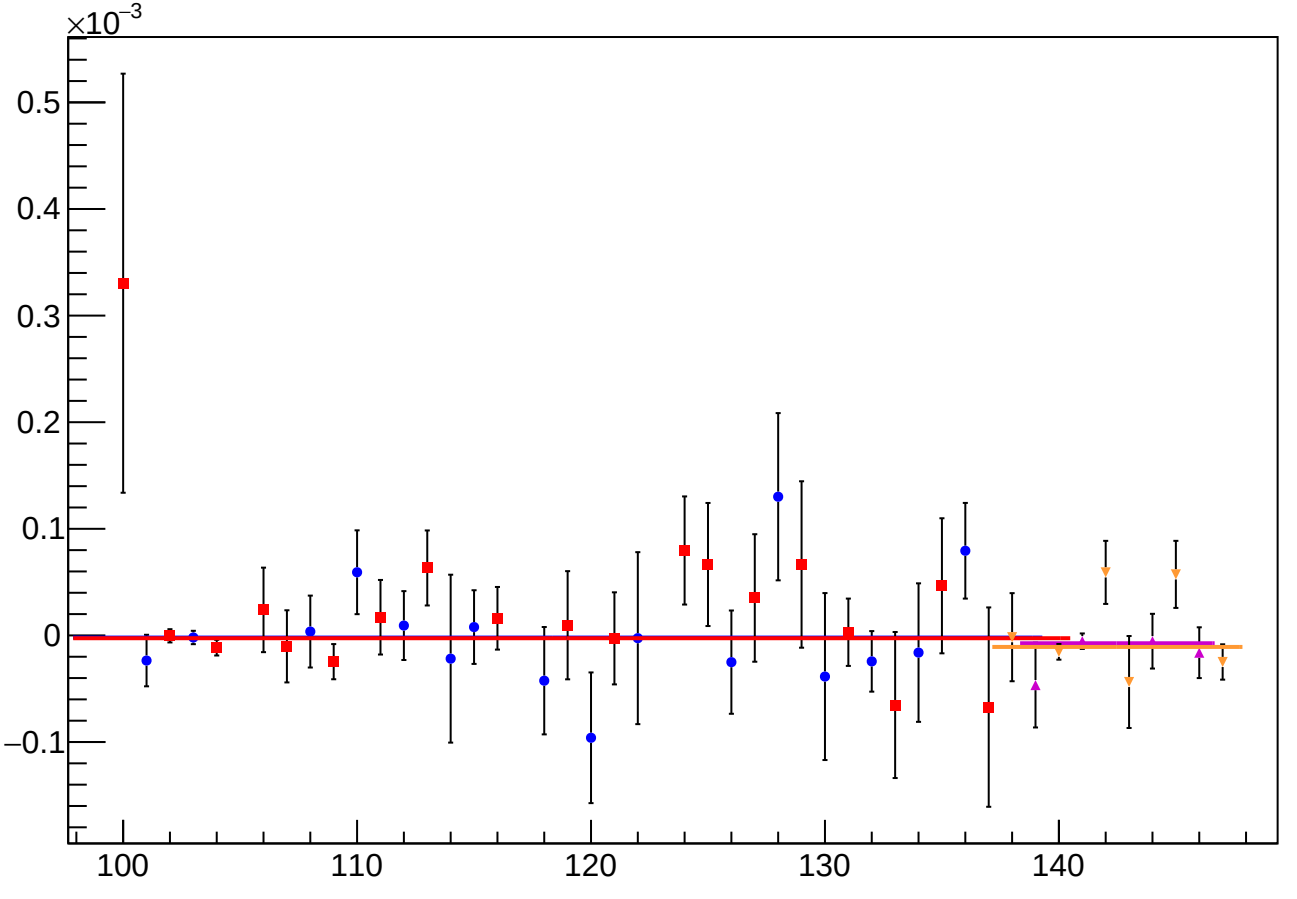
Left: 620.907+/-0.160 χ^2/NDF: 637737.7/9

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 398.794+/-0.093 χ^2/NDF:2467659.5/19

Out: 381.800+/-0.089 χ^2/NDF:4309413.6/24

All: 389.920+/-0.064 χ^2/NDF: 6794397.4/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

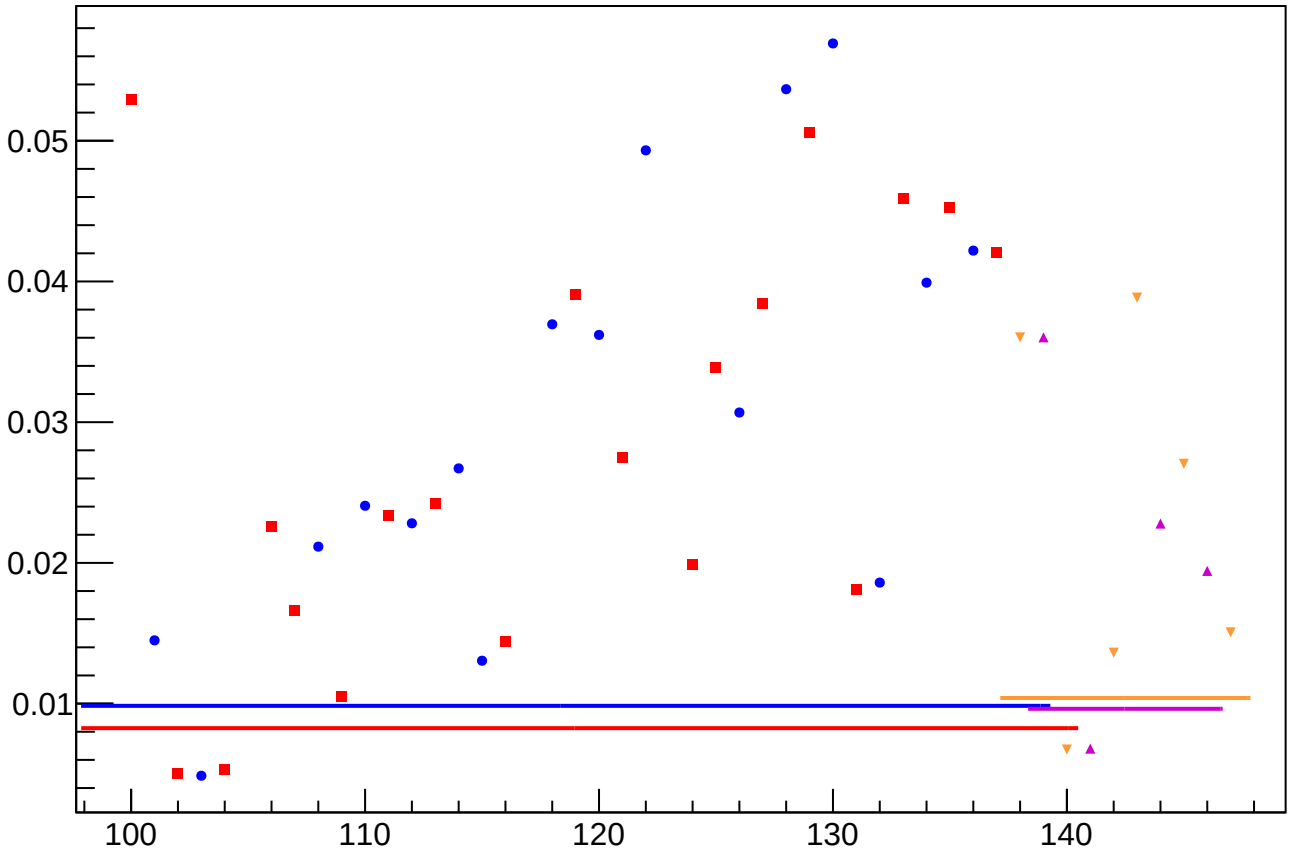
Left: -0.000+/-0.000 χ^2/NDF: 13.3/9

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:15.3/19

Out: -0.000+/-0.000 χ^2/NDF:31.4/24

All: -0.000+/-0.000 χ^2/NDF: 46.8/44



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:2877621.8/5

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.010+/-0.000 χ^2/NDF:2050851.9/3

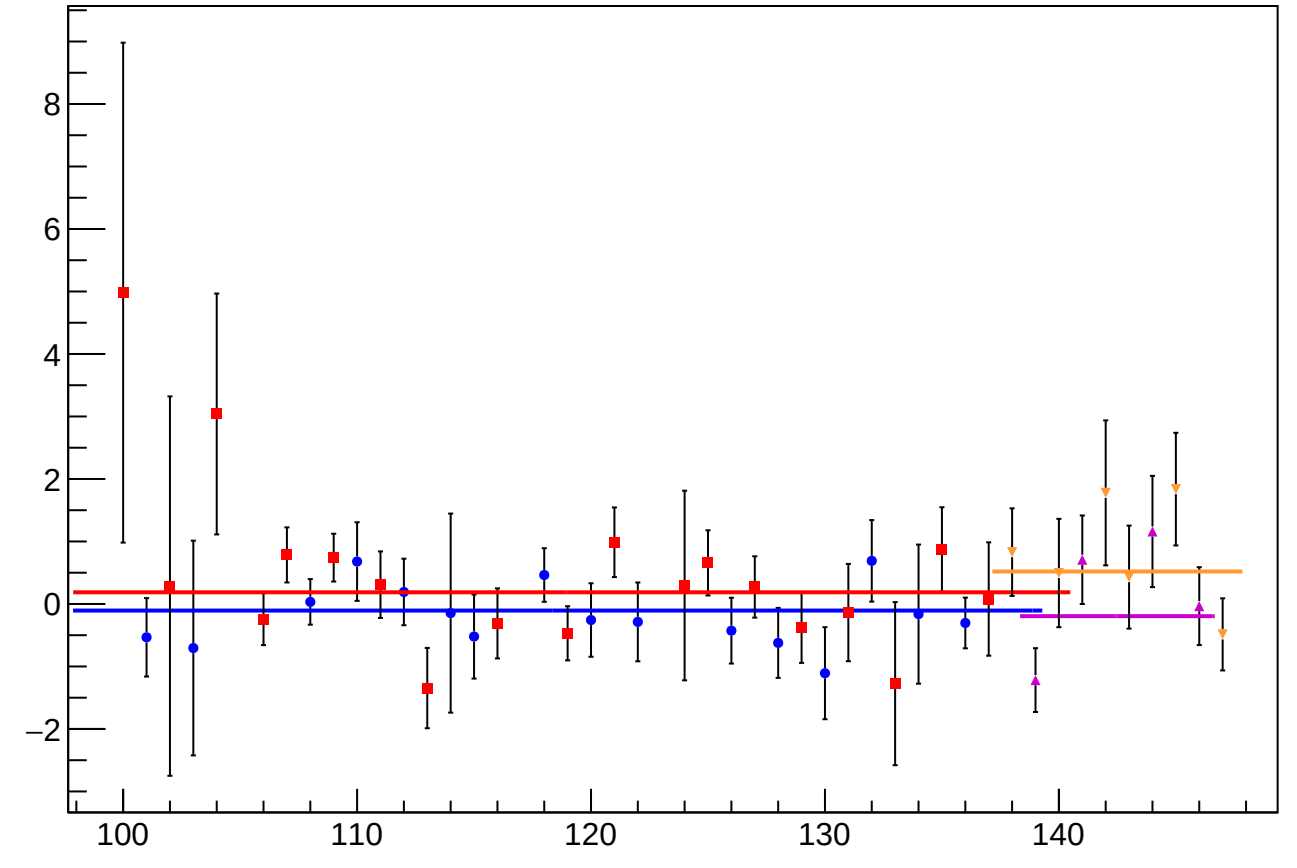
Left: 0.010+/-0.000 χ^2/NDF: 4942745.7/9

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.010+/-0.000 χ^2/NDF:9104454.9/19

Out: 0.009+/-0.000 χ^2/NDF:9779503.8/24

All: 0.009+/-0.000 χ^2/NDF: 18930463.9/44



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.195+/-0.322 χ^2/NDF:8.0/3

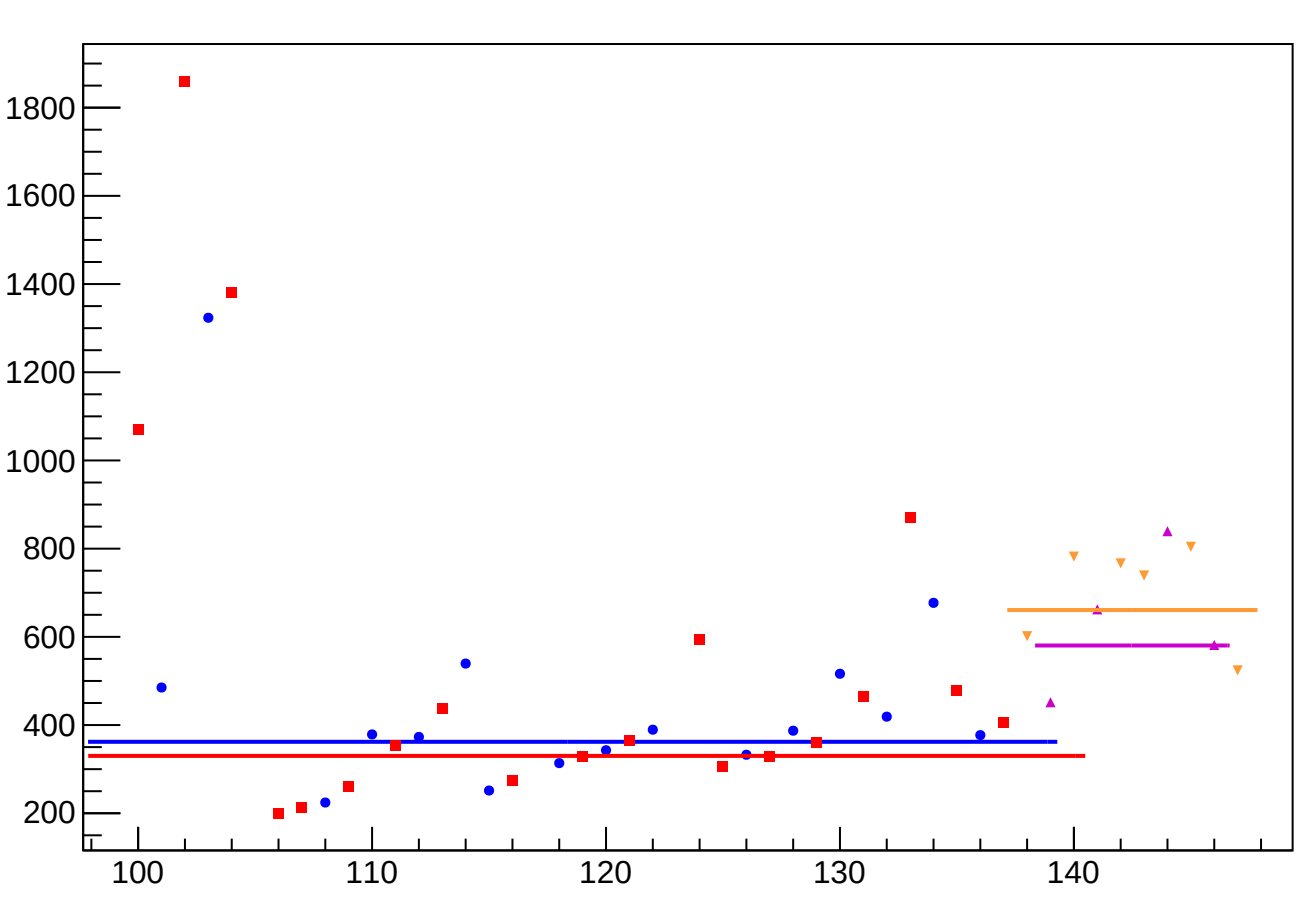
Left: 0.165+/-0.227 χ^2/NDF: 17.1/9

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

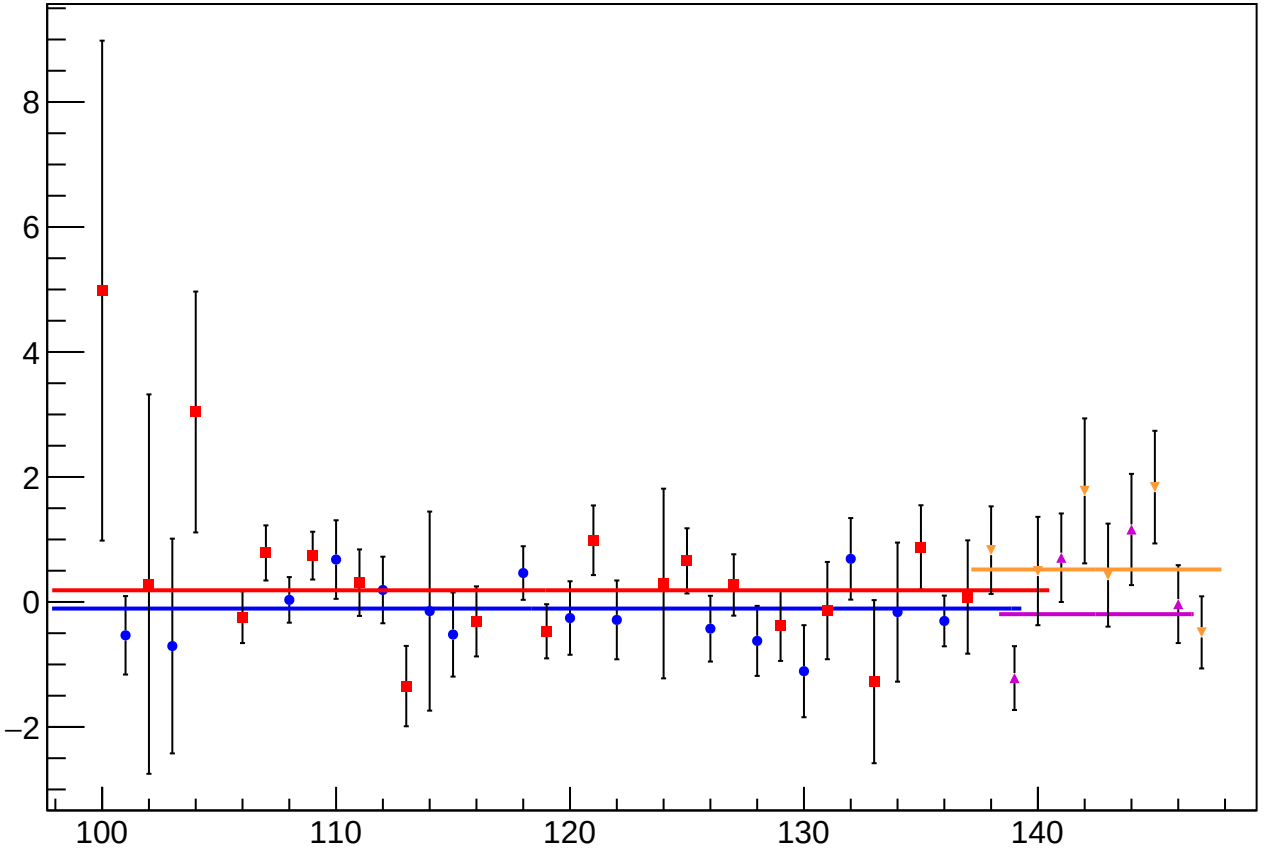
In: -0.121+/-0.132 χ^2/NDF:17.8/19

Out: 0.239+/-0.126 χ^2/NDF:31.3/24

All: 0.067+/-0.091 χ^2/NDF: 53.0/44


asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
Right In: 362.034+/-0.102 χ²/NDF: 1377333.3/15
Left Out: 660.821+/-0.226 χ²/NDF:251212.2/5
Right Out: 330.082+/-0.097 χ²/NDF: 2246503.8/18
Left In: 580.401+/-0.227 χ²/NDF:323497.0/3
Left: 620.916+/-0.160 χ²/NDF: 637713.2/9
Right: 345.235+/-0.070 χ²/NDF: 3675120.0/34
In: 398.792+/-0.093 χ²/NDF:2467708.1/19
Out: 381.799+/-0.089 χ²/NDF:4309471.4/24
All: 389.918+/-0.064 χ²/NDF: 6794502.0/44

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.520+/-0.319 χ^2/NDF:6.6/5

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.195+/-0.322 χ^2/NDF:8.0/3

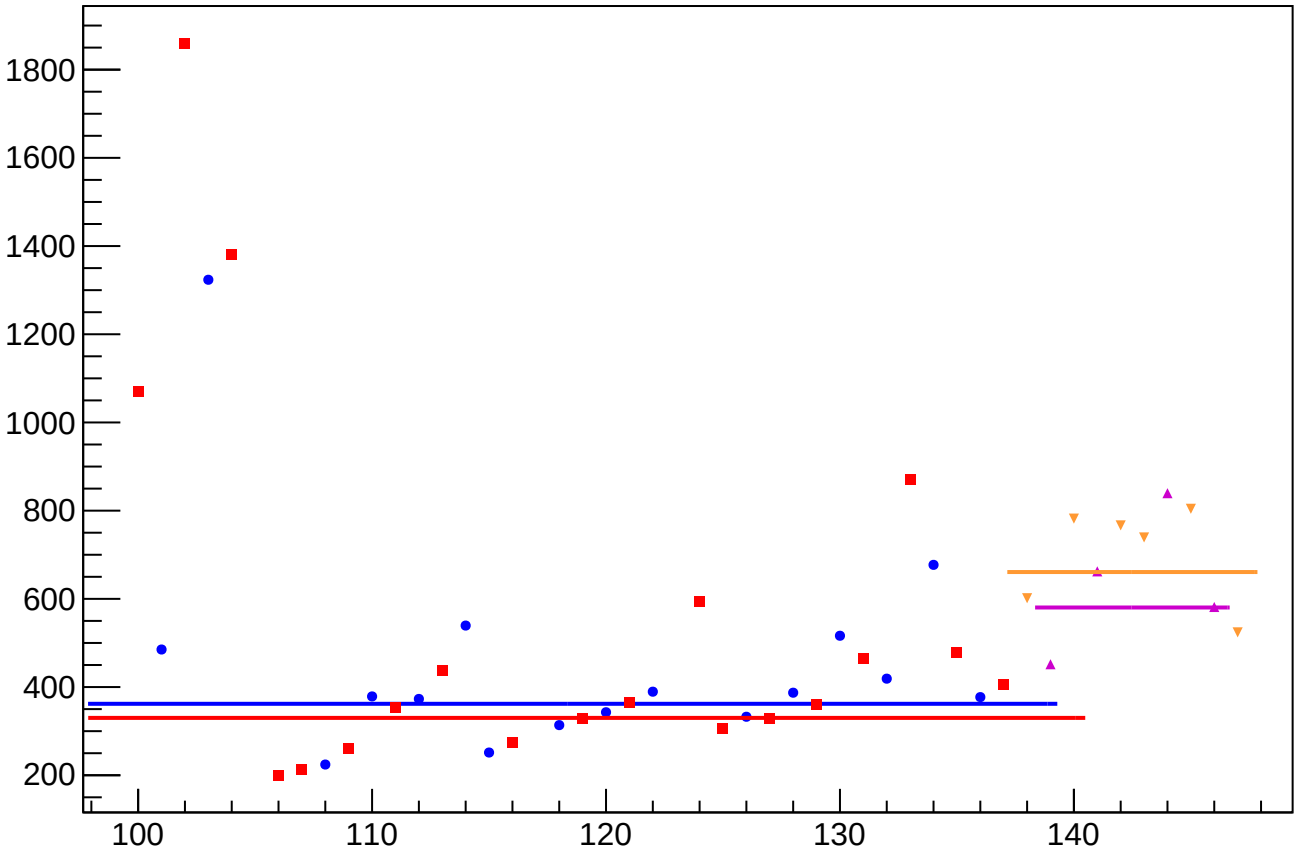
Left: 0.165+/-0.227 χ^2/NDF: 17.1/9

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.121+/-0.132 χ^2/NDF:17.8/19

Out: 0.239+/-0.126 χ^2/NDF:31.3/24

All: 0.067+/-0.091 χ^2/NDF: 53.0/44



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 660.821+/-0.226 χ^2/NDF:251212.2/5

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 580.401+/-0.227 χ^2/NDF:323497.0/3

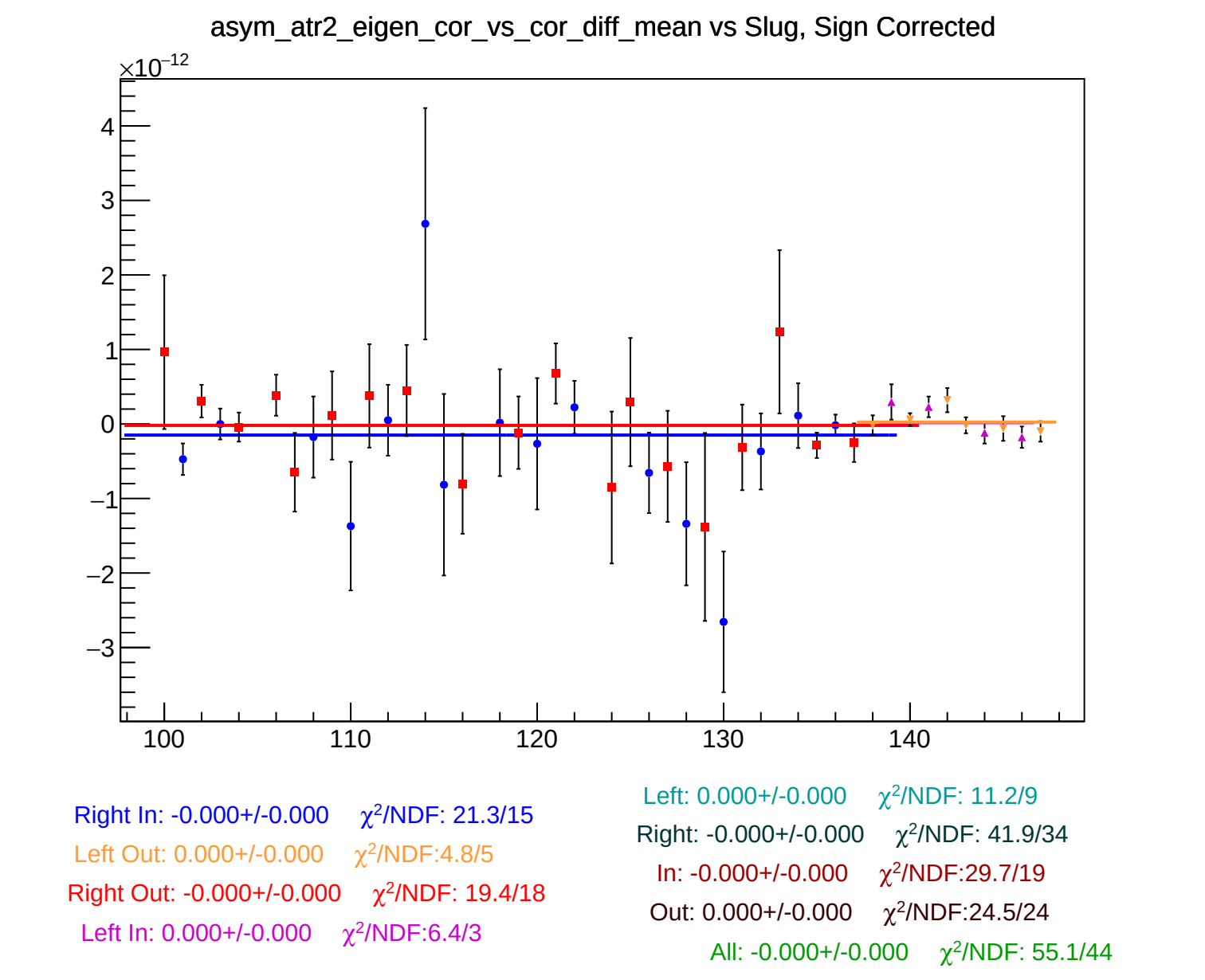
Left: 620.916+/-0.160 χ^2/NDF: 637713.2/9

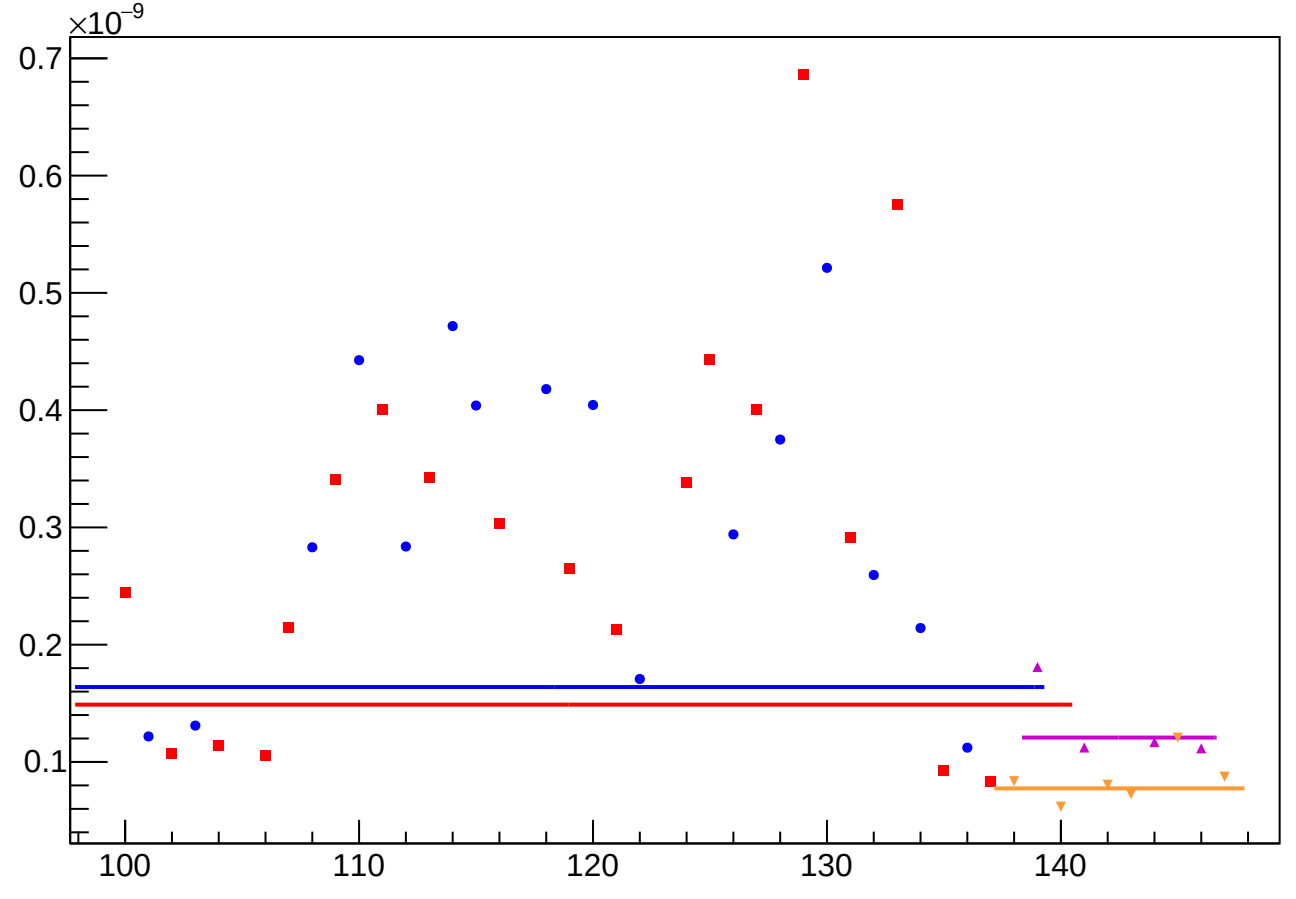
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 398.792+/-0.093 χ^2/NDF:2467708.1/19

Out: 381.799+/-0.089 χ^2/NDF:4309471.4/24

All: 389.918+/-0.064 χ^2/NDF: 6794502.0/44


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
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:4.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:6.4/3
Left: 0.000+/-0.000 χ²/NDF: 11.2/9
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:29.7/19
Out: 0.000+/-0.000 χ²/NDF:24.5/24
All: -0.000+/-0.000 χ²/NDF: 55.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:224486.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:145315.5/3

Left: 0.000+/-0.000 χ^2/NDF: 813598.7/9

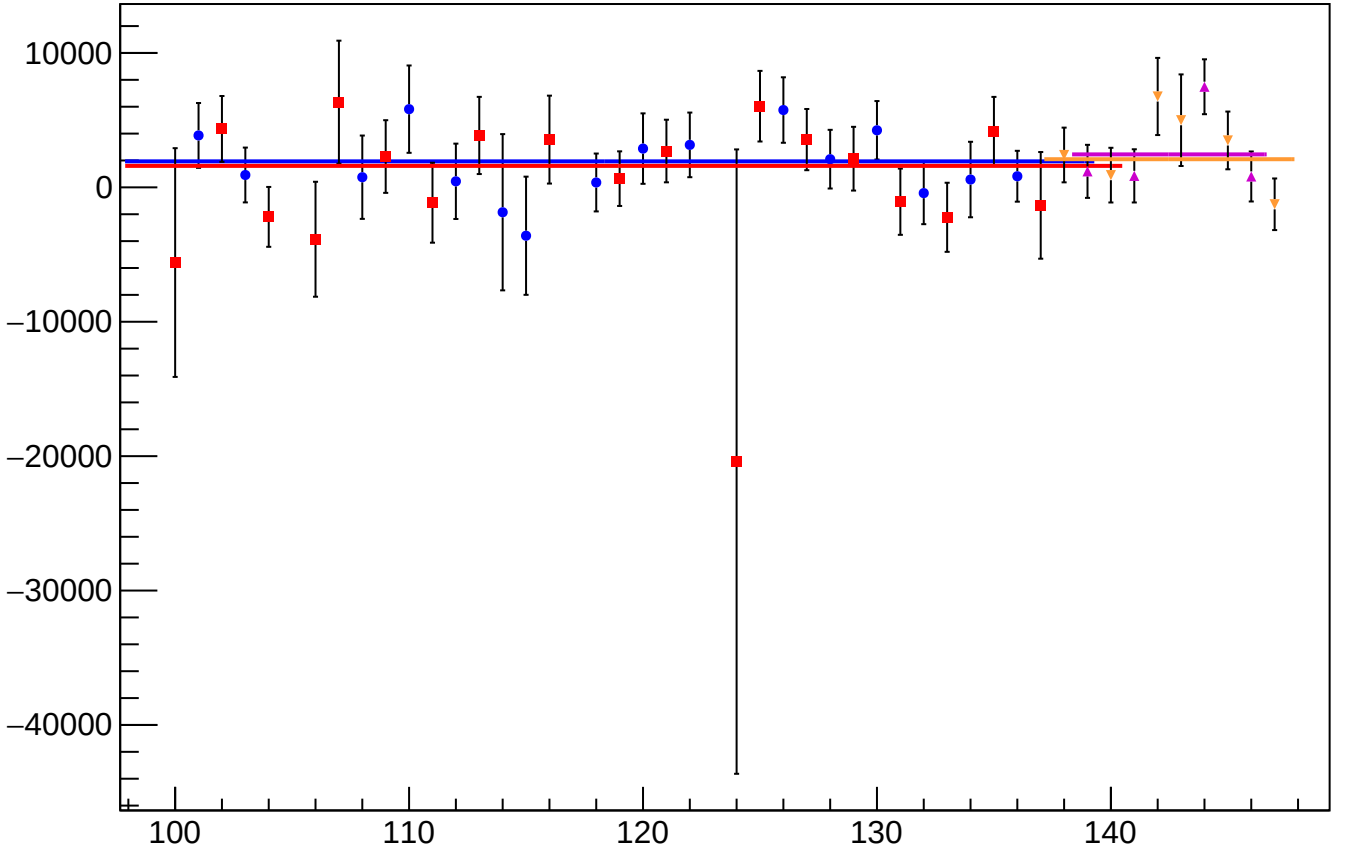
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:2428479.9/19

Out: 0.000+/-0.000 χ^2/NDF:4154939.0/24

All: 0.000+/-0.000 χ^2/NDF: 7330529.5/44

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2093.823+/-921.225 χ^2/NDF:7.2/5

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2452.763+/-980.121 χ^2/NDF:7.9/3

Left: 2262.185+/-671.260 χ^2/NDF: 15.2/9

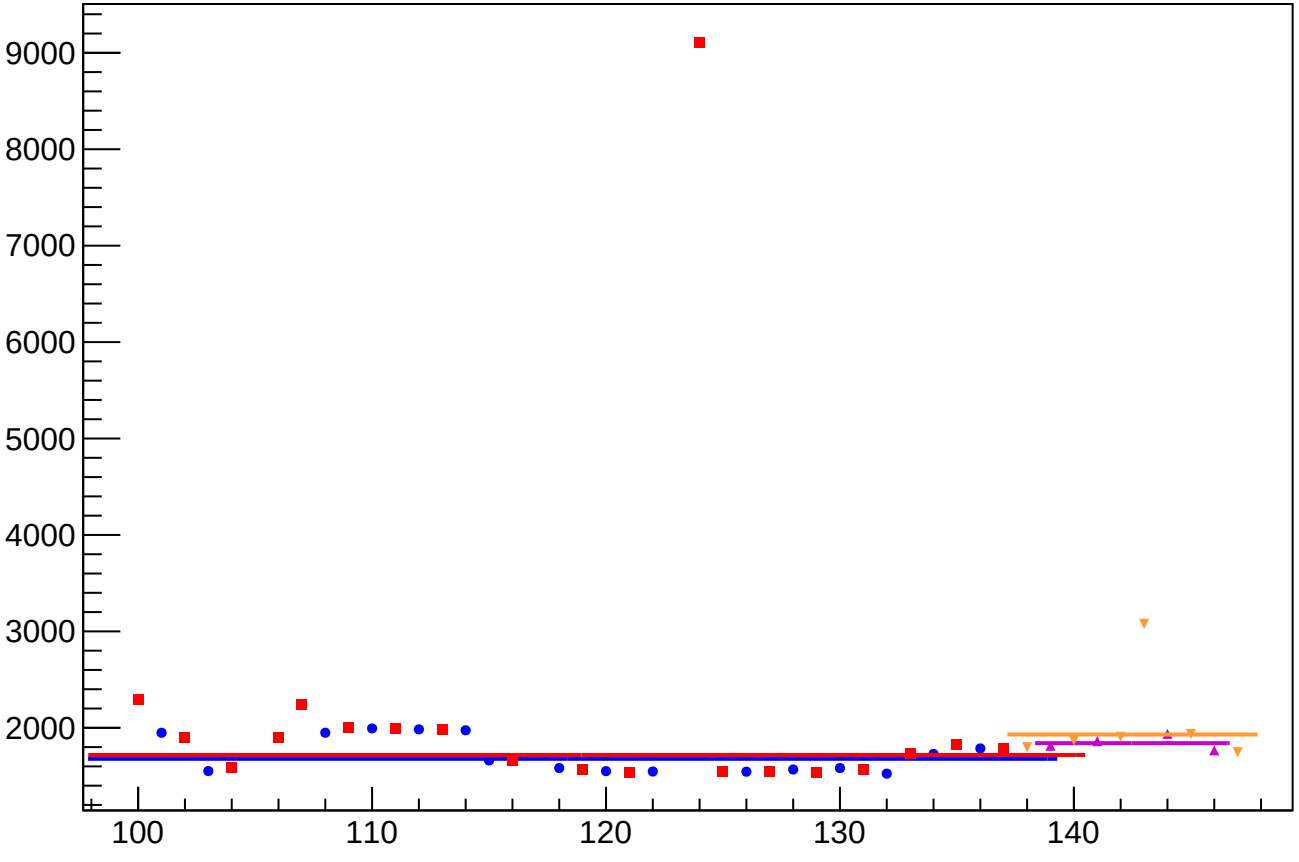
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2085.481+/-528.694 χ^2/NDF:19.0/19

Out: 1760.128+/-526.827 χ^2/NDF:26.8/24

All: 1922.229+/-373.182 χ^2/NDF: 46.0/44

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1930.684+/-0.651 χ^2/NDF:255837.3/5

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

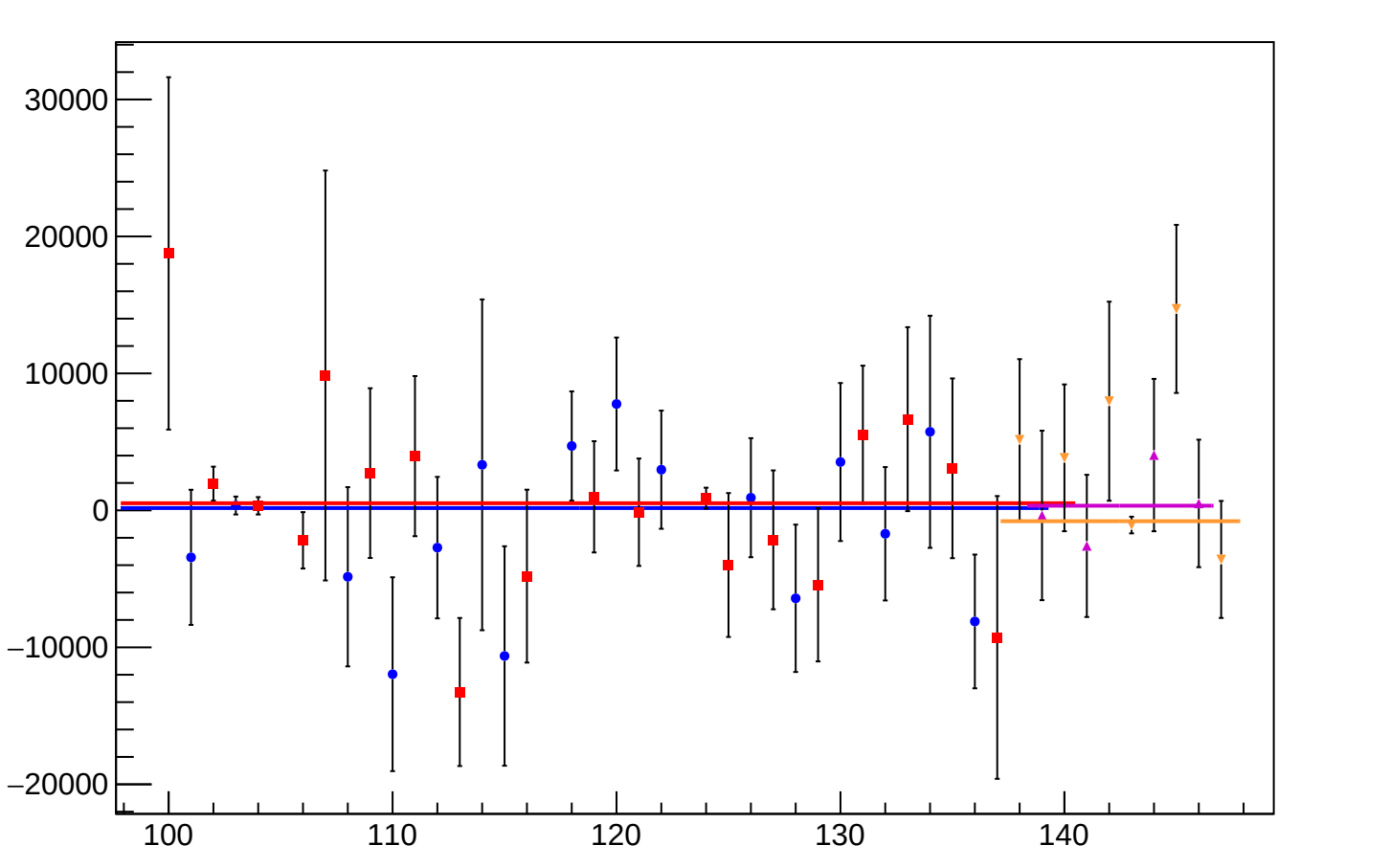
Left: 1888.580+/-0.475 χ^2/NDF: 273014.5/9

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1725.790+/-0.374 χ^2/NDF:188674.5/19

Out: 1787.325+/-0.371 χ^2/NDF:710766.4/24

All: 1756.765+/-0.263 χ^2/NDF: 913078.8/44



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -787.794+/-592.567 χ^2/NDF:10.2/5

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 339.019+/-2656.747 χ^2/NDF:0.8/3

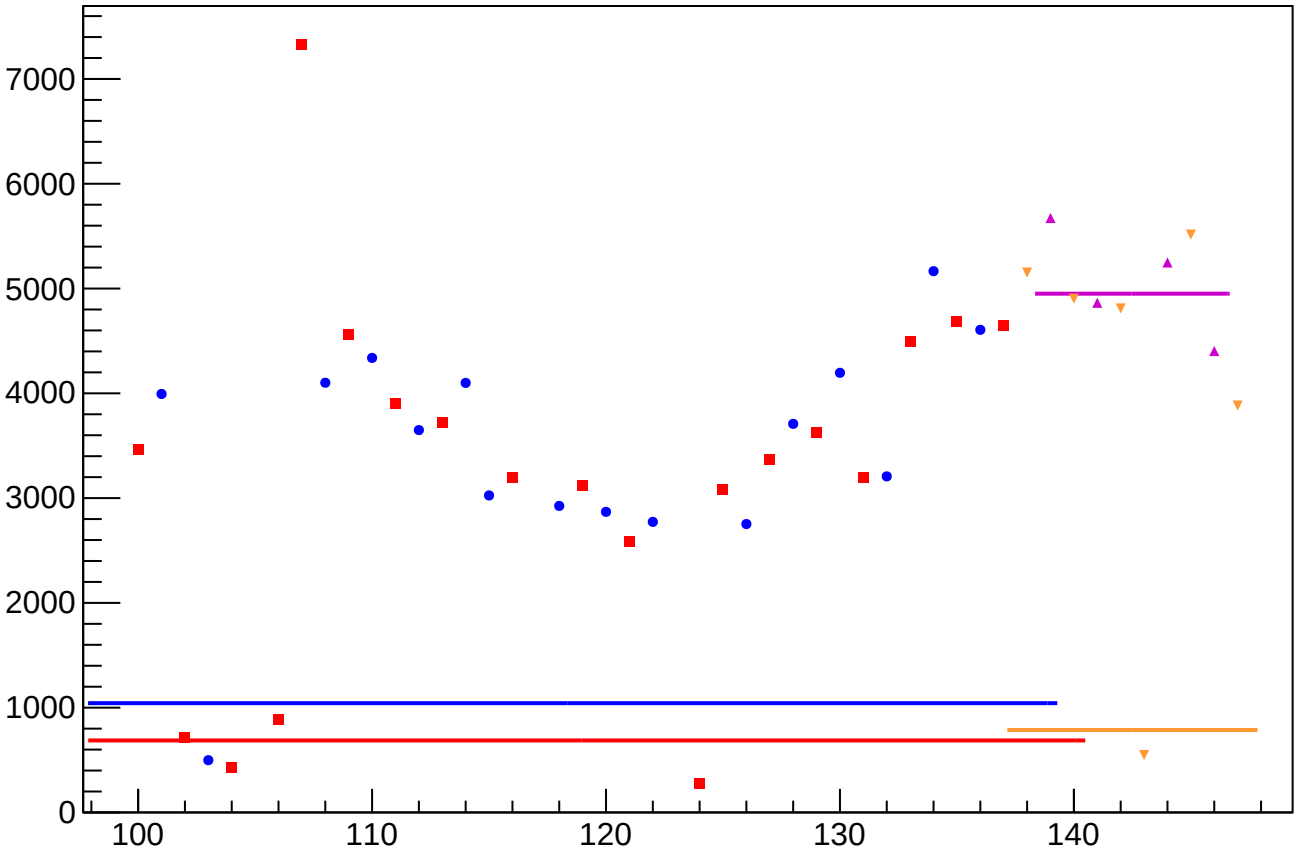
Left: -734.394+/-578.356 χ^2/NDF: 11.2/9

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 176.349+/-577.463 χ^2/NDF:16.6/19

Out: 76.791+/-345.240 χ^2/NDF:32.0/24

All: 103.006+/-296.321 χ^2/NDF: 48.6/44



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 786.803+/-0.419 χ^2/NDF:5435113.8/5

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4950.964+/-1.879 χ^2/NDF:61180.3/3

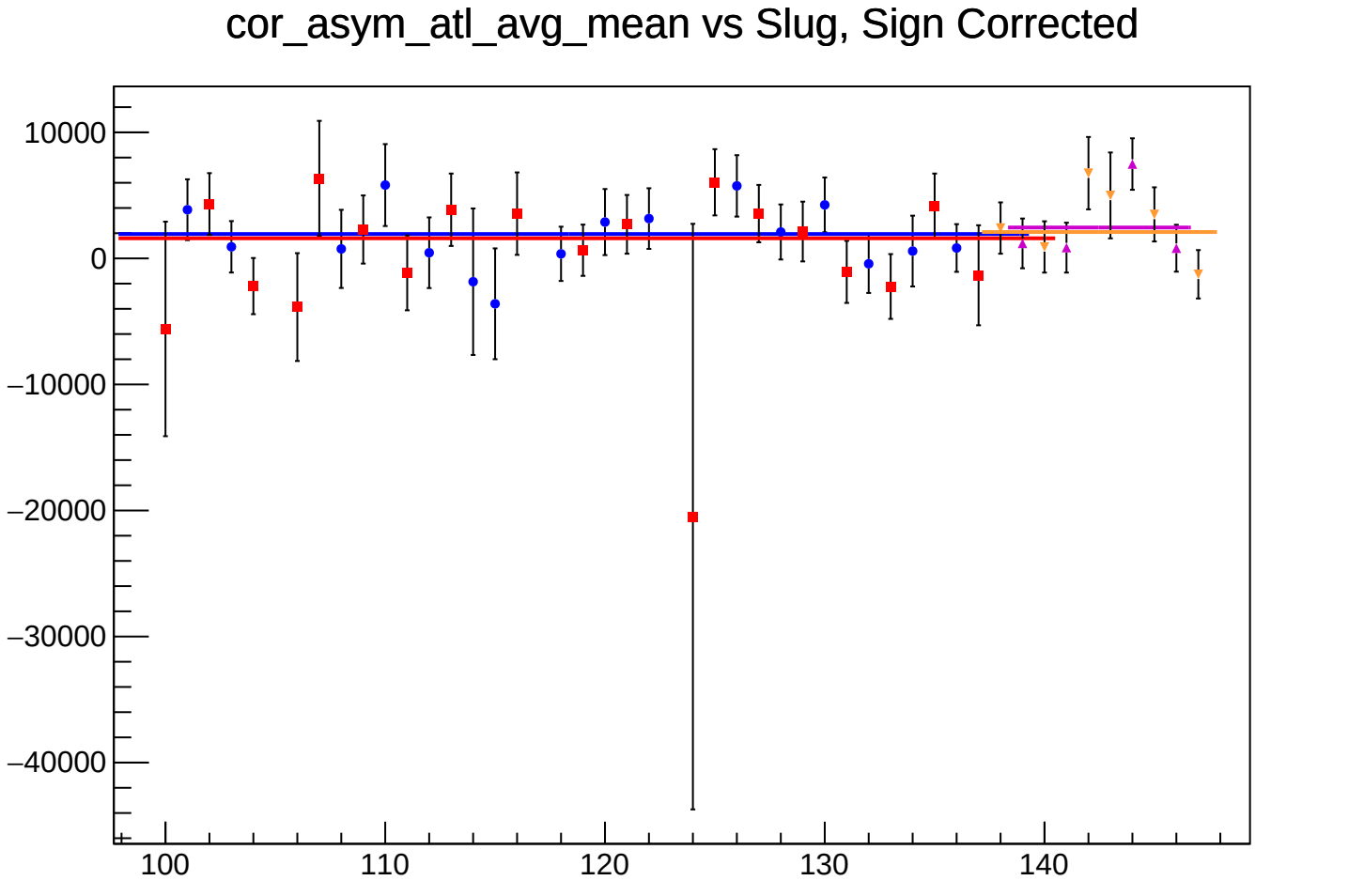
Left: 984.143+/-0.409 χ^2/NDF: 10176874.4/9

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1227.740+/-0.408 χ^2/NDF:12295821.9/19

Out: 721.095+/-0.244 χ^2/NDF:14103872.2/24

All: 854.502+/-0.210 χ^2/NDF: 27533844.2/44



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2093.878+/-921.225 χ^2/NDF:7.2/5

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2452.895+/-980.121 χ^2/NDF:7.9/3

Left: 2262.276+/-671.260 χ^2/NDF: 15.2/9

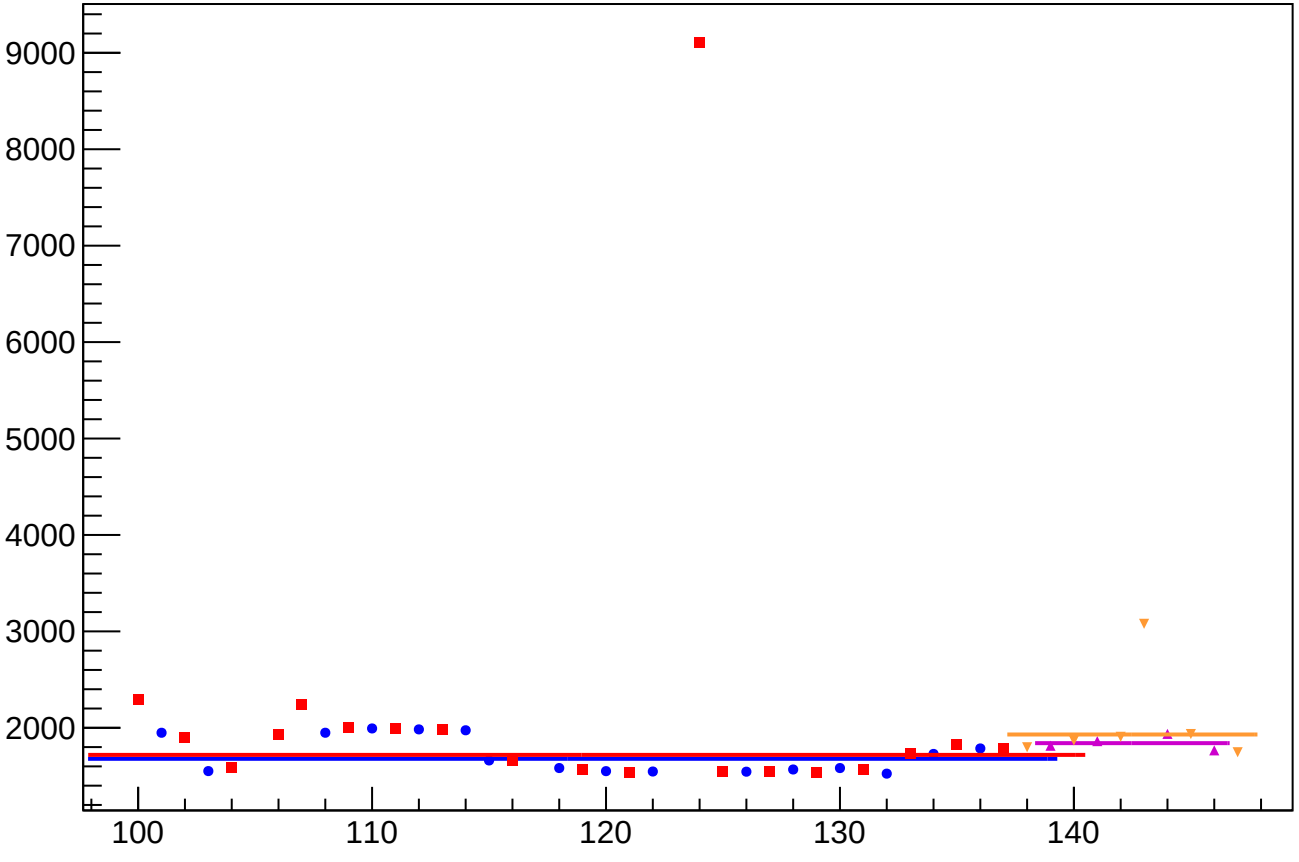
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2085.601+/-528.694 χ^2/NDF:19.0/19

Out: 1758.507+/-526.830 χ^2/NDF:26.8/24

All: 1921.476+/-373.183 χ^2/NDF: 46.0/44

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1930.684+/-0.651 χ^2/NDF:255837.3/5

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

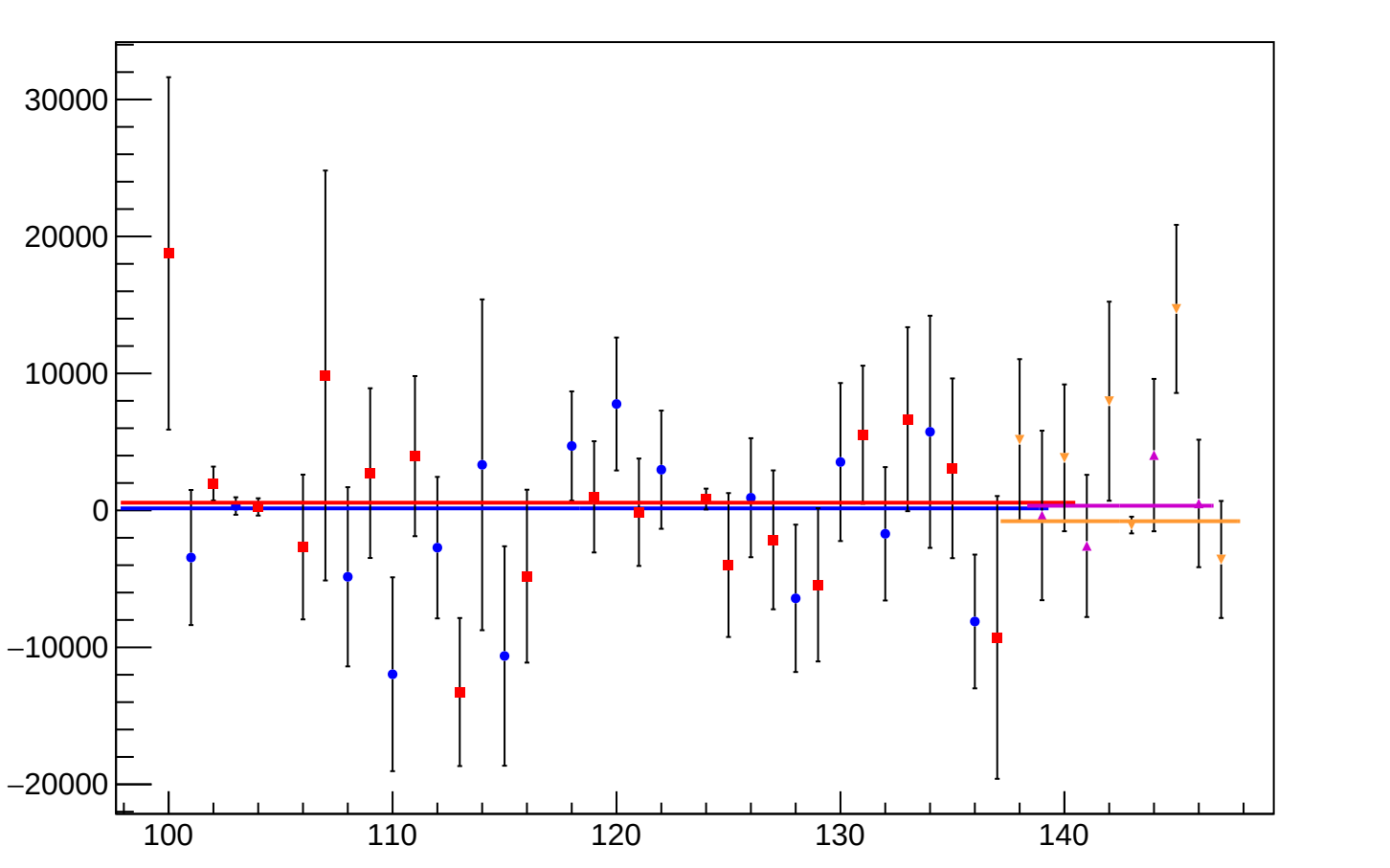
Left: 1888.580+/-0.475 χ^2/NDF: 273014.5/9

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1725.790+/-0.374 χ^2/NDF:188674.7/19

Out: 1787.934+/-0.371 χ^2/NDF:711924.1/24

All: 1757.061+/-0.264 χ^2/NDF: 914503.3/44



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -787.423+/-592.544 χ^2/NDF:10.2/5

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 339.057+/-2656.742 χ^2/NDF:0.8/3

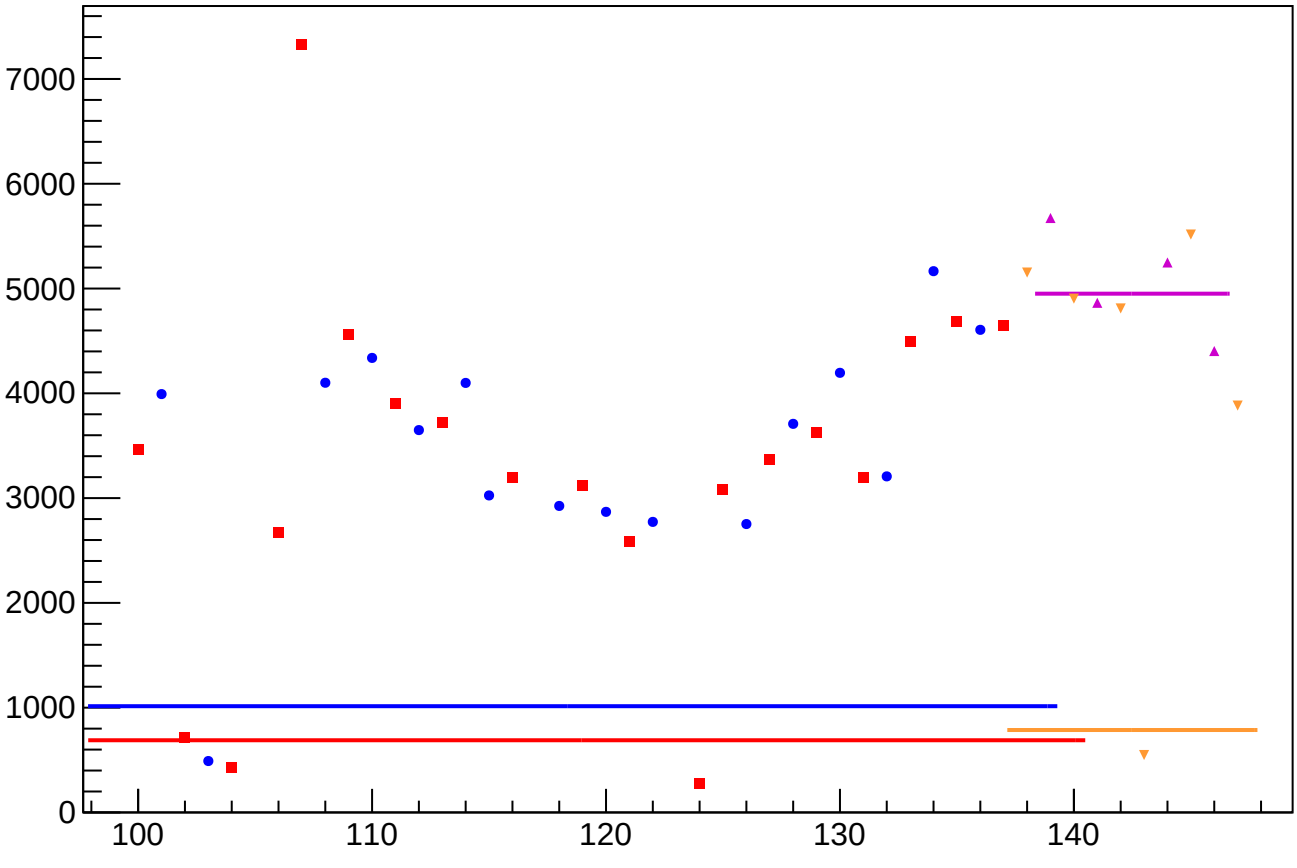
Left: -734.042+/-578.334 χ^2/NDF: 11.2/9

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 155.287+/-566.053 χ^2/NDF:16.6/19

Out: 95.269+/-348.348 χ^2/NDF:30.8/24

All: 111.755+/-296.672 χ^2/NDF: 47.4/44



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 786.764+/-0.419 χ^2/NDF:5435199.0/5

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4950.954+/-1.879 χ^2/NDF:61182.4/3

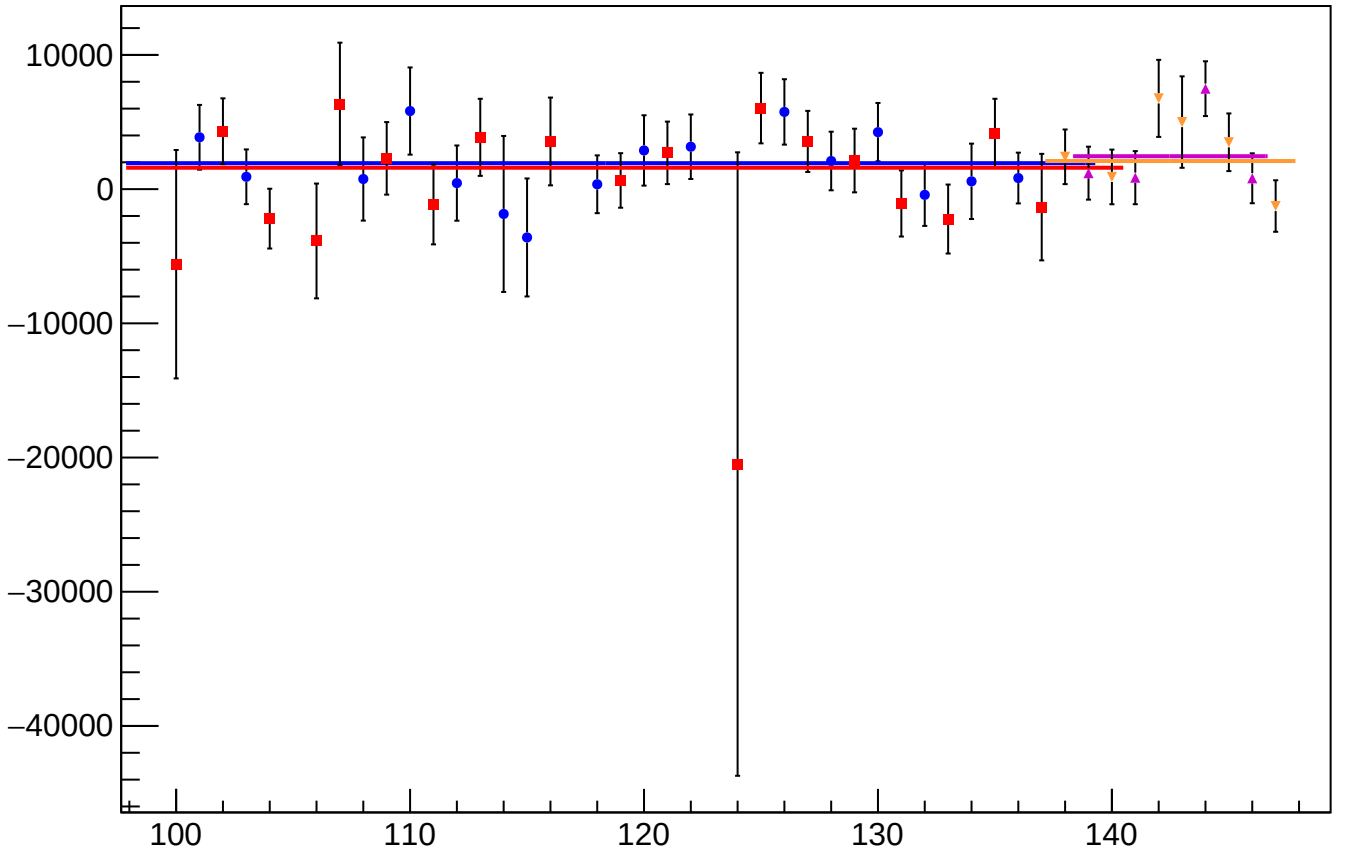
Left: 984.092+/-0.409 χ^2/NDF: 10177059.6/9

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1192.811+/-0.400 χ^2/NDF:12476518.4/19

Out: 722.824+/-0.246 χ^2/NDF:14381150.8/24

All: 851.923+/-0.210 χ^2/NDF: 27857700.2/44



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 2093.878+/-921.225 χ^2/NDF:7.2/5

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2452.895+/-980.121 χ^2/NDF:7.9/3

Left: 2262.276+/-671.260 χ^2/NDF: 15.2/9

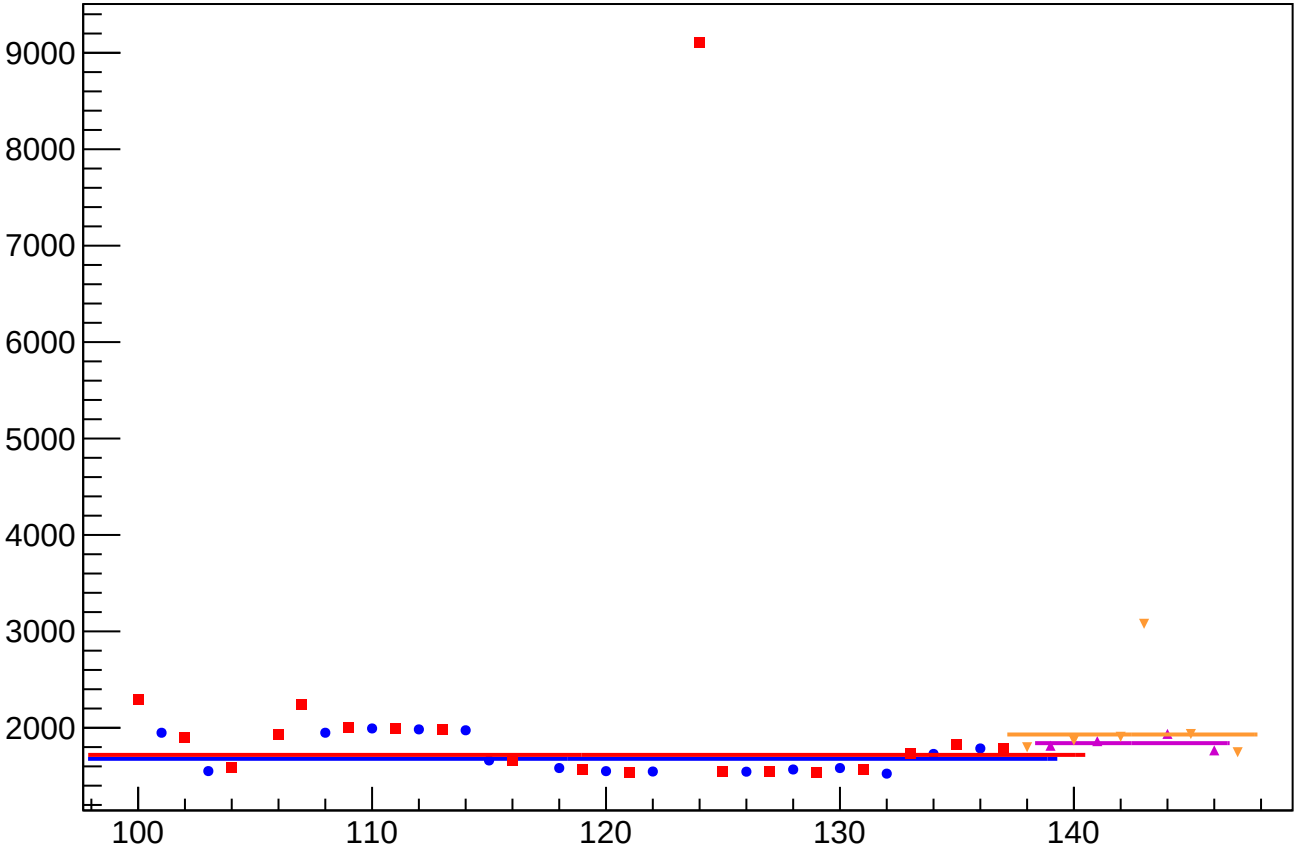
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2085.601+/-528.694 χ^2/NDF:19.0/19

Out: 1758.507+/-526.830 χ^2/NDF:26.8/24

All: 1921.476+/-373.183 χ^2/NDF: 46.0/44

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1930.684+/-0.651 χ^2/NDF:255837.3/5

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1840.921+/-0.693 χ^2/NDF:8270.5/3

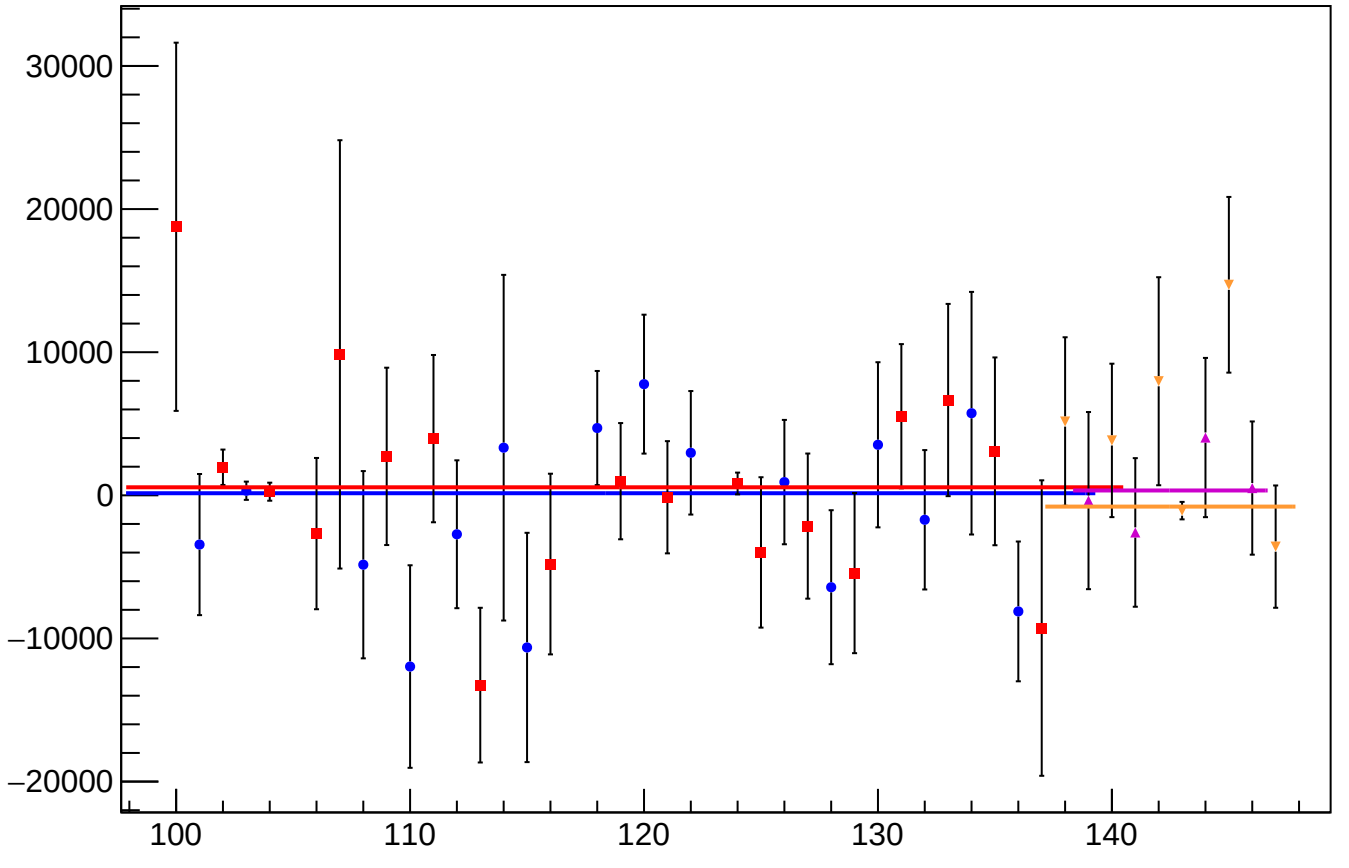
Left: 1888.580+/-0.475 χ^2/NDF: 273014.5/9

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1725.790+/-0.374 χ^2/NDF:188674.7/19

Out: 1787.934+/-0.371 χ^2/NDF:711924.1/24

All: 1757.061+/-0.264 χ^2/NDF: 914503.3/44



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -787.423+/-592.544 χ^2/NDF:10.2/5

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 339.057+/-2656.742 χ^2/NDF:0.8/3

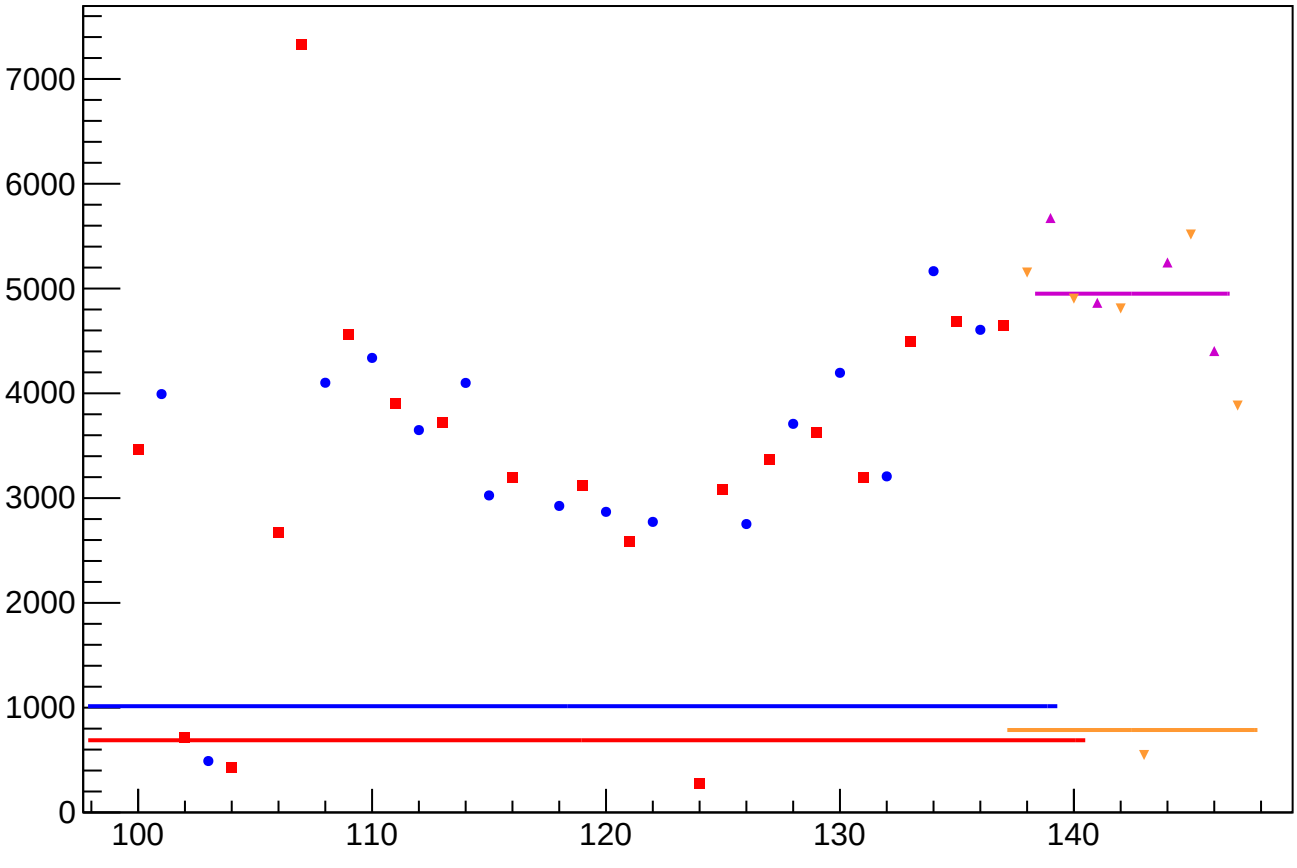
Left: -734.042+/-578.334 χ^2/NDF: 11.2/9

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 155.287+/-566.053 χ^2/NDF:16.6/19

Out: 95.269+/-348.348 χ^2/NDF:30.8/24

All: 111.755+/-296.672 χ^2/NDF: 47.4/44



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 786.764+/-0.419 χ^2/NDF:5435199.0/5

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4950.954+/-1.879 χ^2/NDF:61182.4/3

Left: 984.092+/-0.409 χ^2/NDF: 10177059.6/9

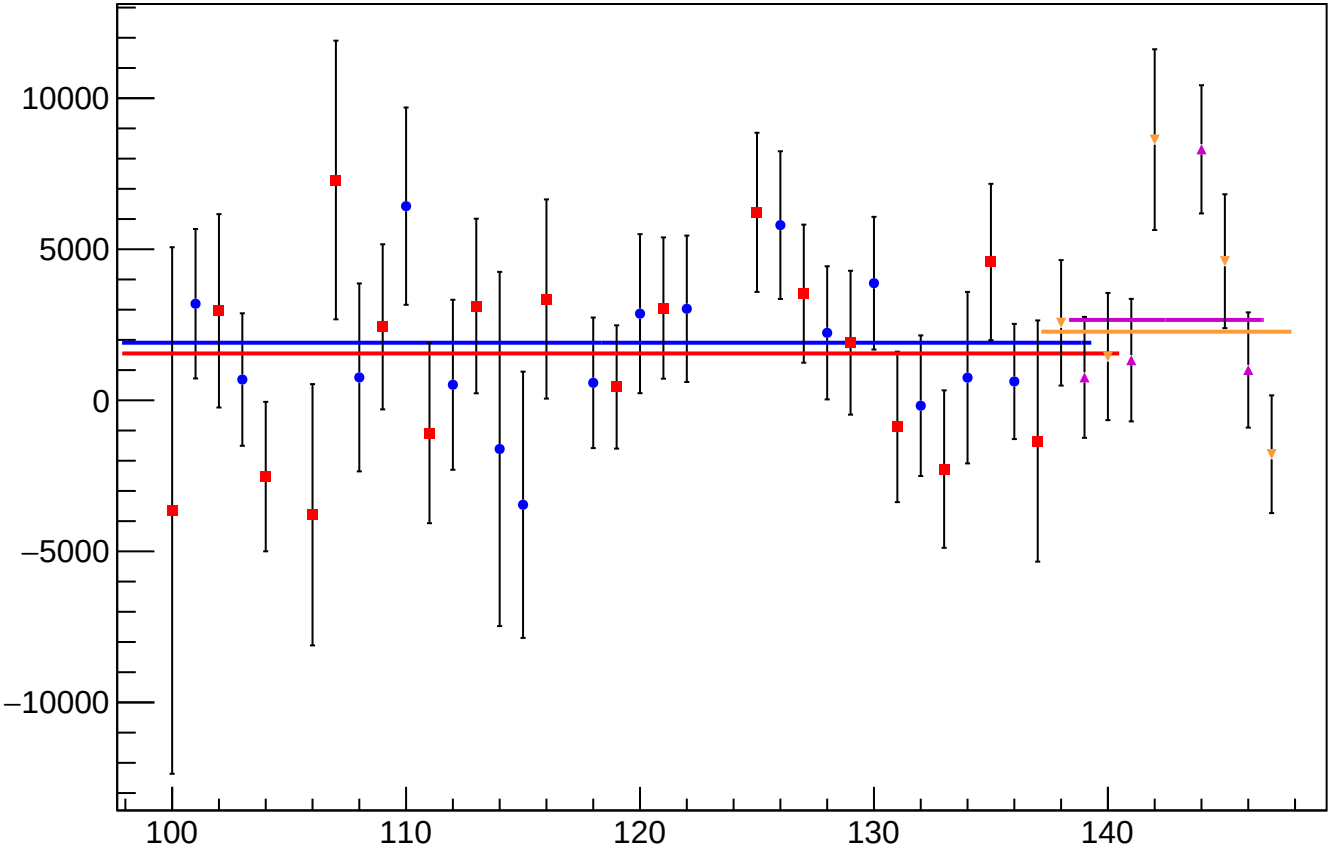
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1192.811+/-0.400 χ^2/NDF:12476518.4/19

Out: 722.824+/-0.246 χ^2/NDF:14381150.8/24

All: 851.923+/-0.210 χ^2/NDF: 27857700.2/44

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2271.383+/-982.431 χ^2/NDF:10.1/4

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2660.906+/-1005.087 χ^2/NDF:9.2/3

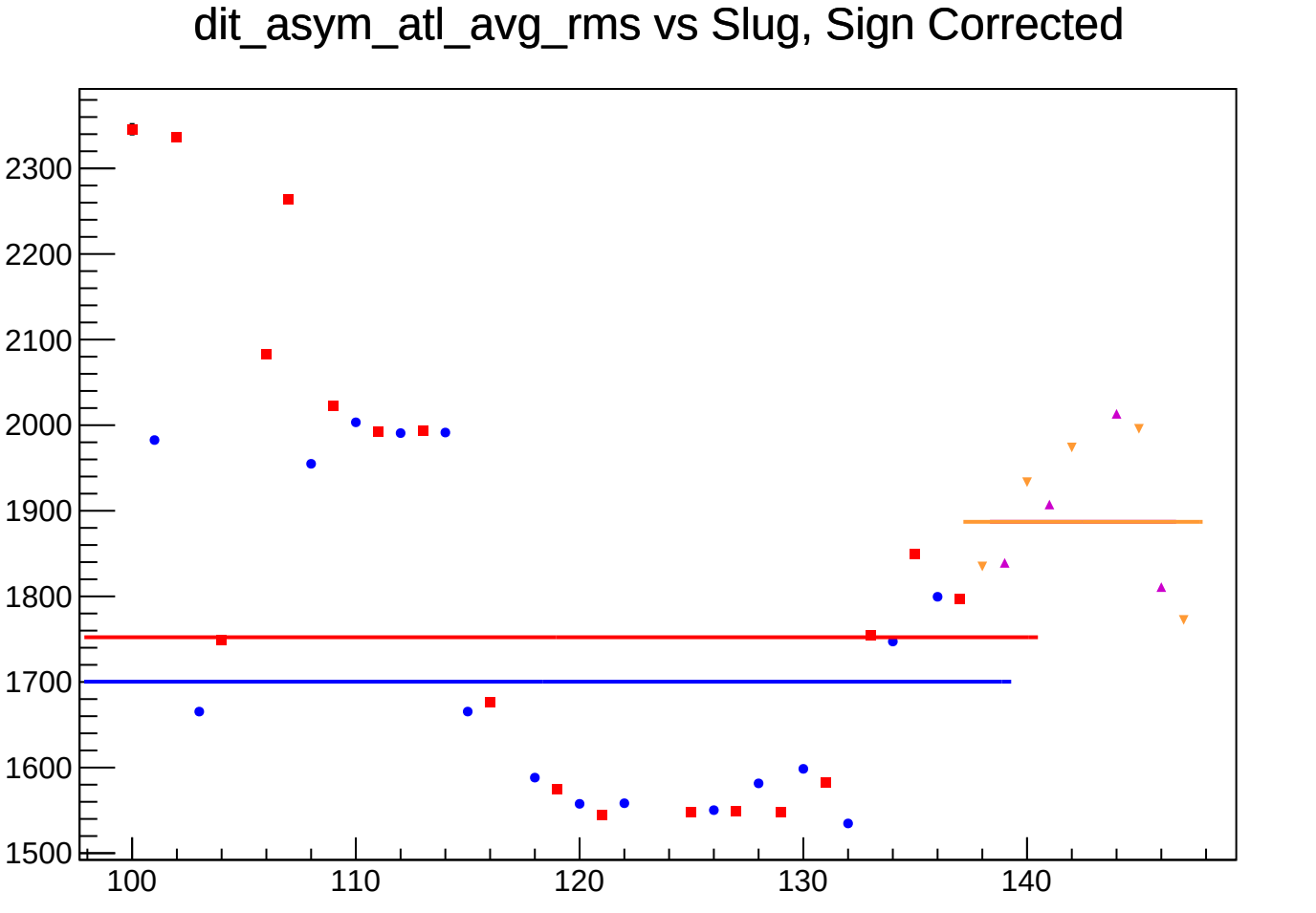
Left: 2461.705+/-702.557 χ^2/NDF: 19.4/8

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2122.203+/-537.700 χ^2/NDF:19.8/19

Out: 1775.502+/-548.453 χ^2/NDF:28.0/22

All: 1952.285+/-383.957 χ^2/NDF: 48.0/42



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1887.102+/-0.695 χ^2/NDF:15645.6/4

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1887.116+/-0.711 χ^2/NDF:11615.8/3

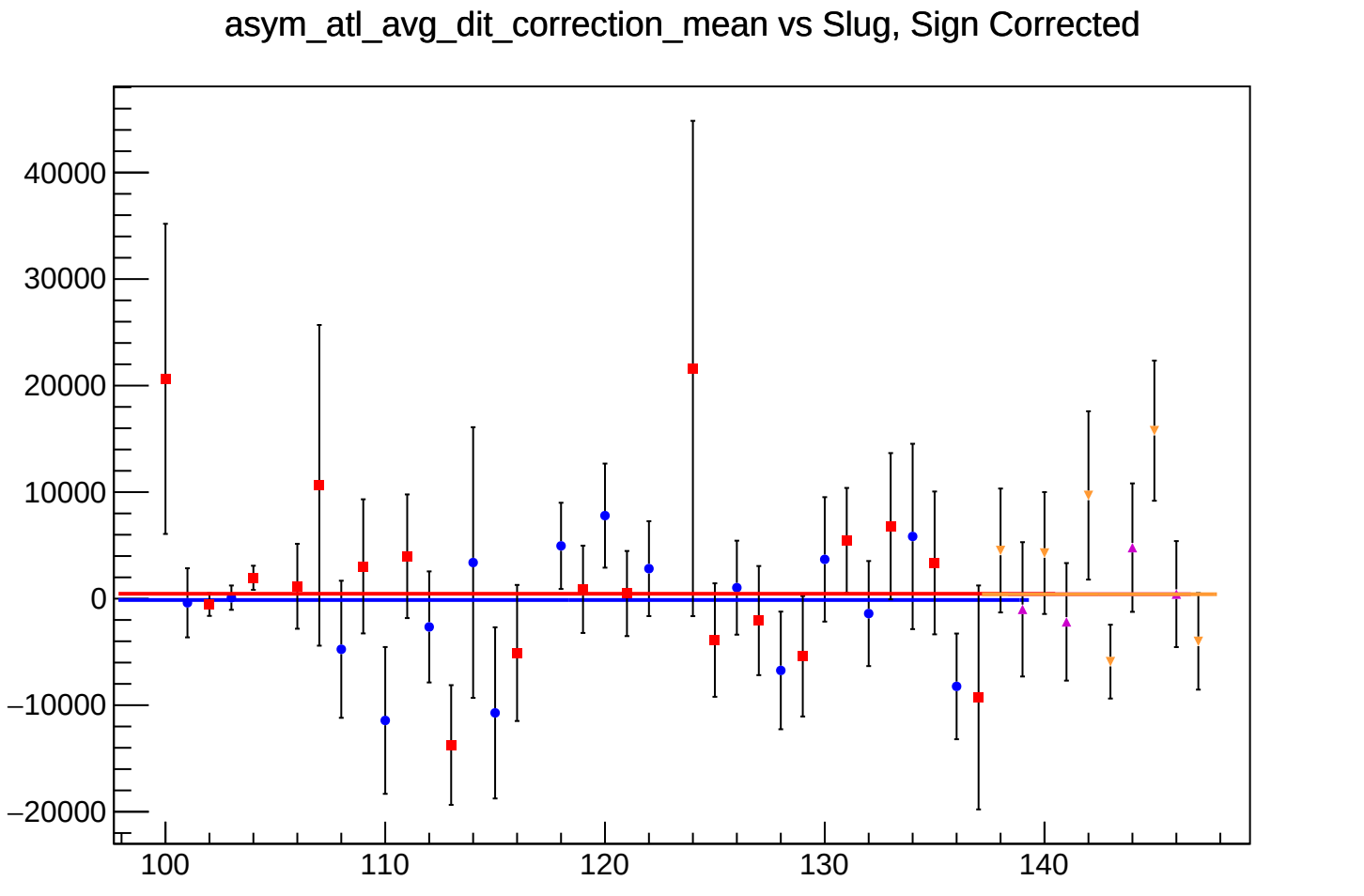
Left: 1887.109+/-0.497 χ^2/NDF: 27261.4/8

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1753.808+/-0.380 χ^2/NDF:196325.1/19

Out: 1794.138+/-0.387 χ^2/NDF:289578.4/22

All: 1773.605+/-0.271 χ^2/NDF: 491426.6/42



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 416.552+/-2079.200 χ^2/NDF:12.1/5

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 416.409+/-2818.067 χ^2/NDF:0.8/3

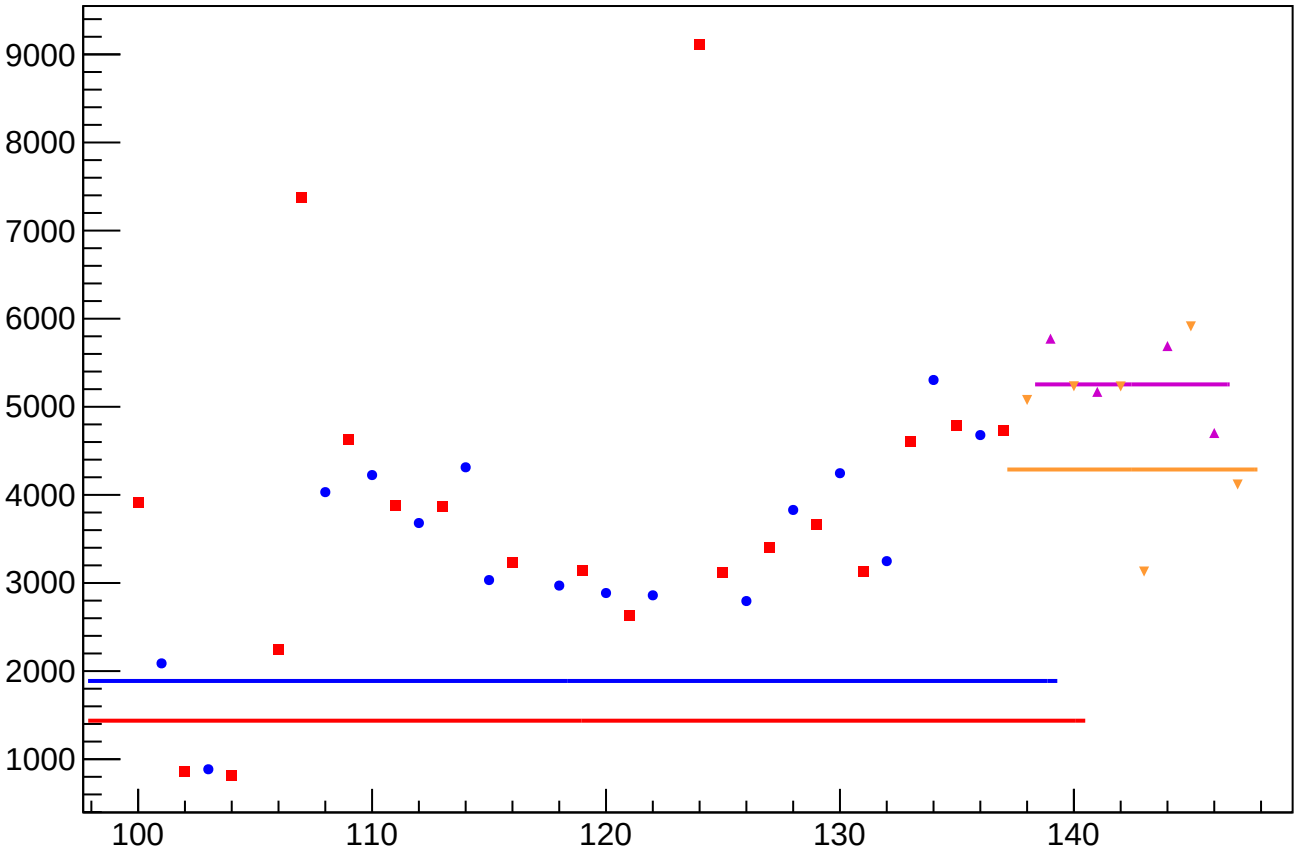
Left: 416.502+/-1673.098 χ^2/NDF: 12.9/9

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -78.549+/-829.232 χ^2/NDF:15.9/19

Out: 455.297+/-645.589 χ^2/NDF:30.6/24

All: 253.833+/-509.409 χ^2/NDF: 46.7/44



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4288.160+/-1.470 χ^2/NDF:468181.7/5

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5254.211+/-1.993 χ^2/NDF:49030.7/3

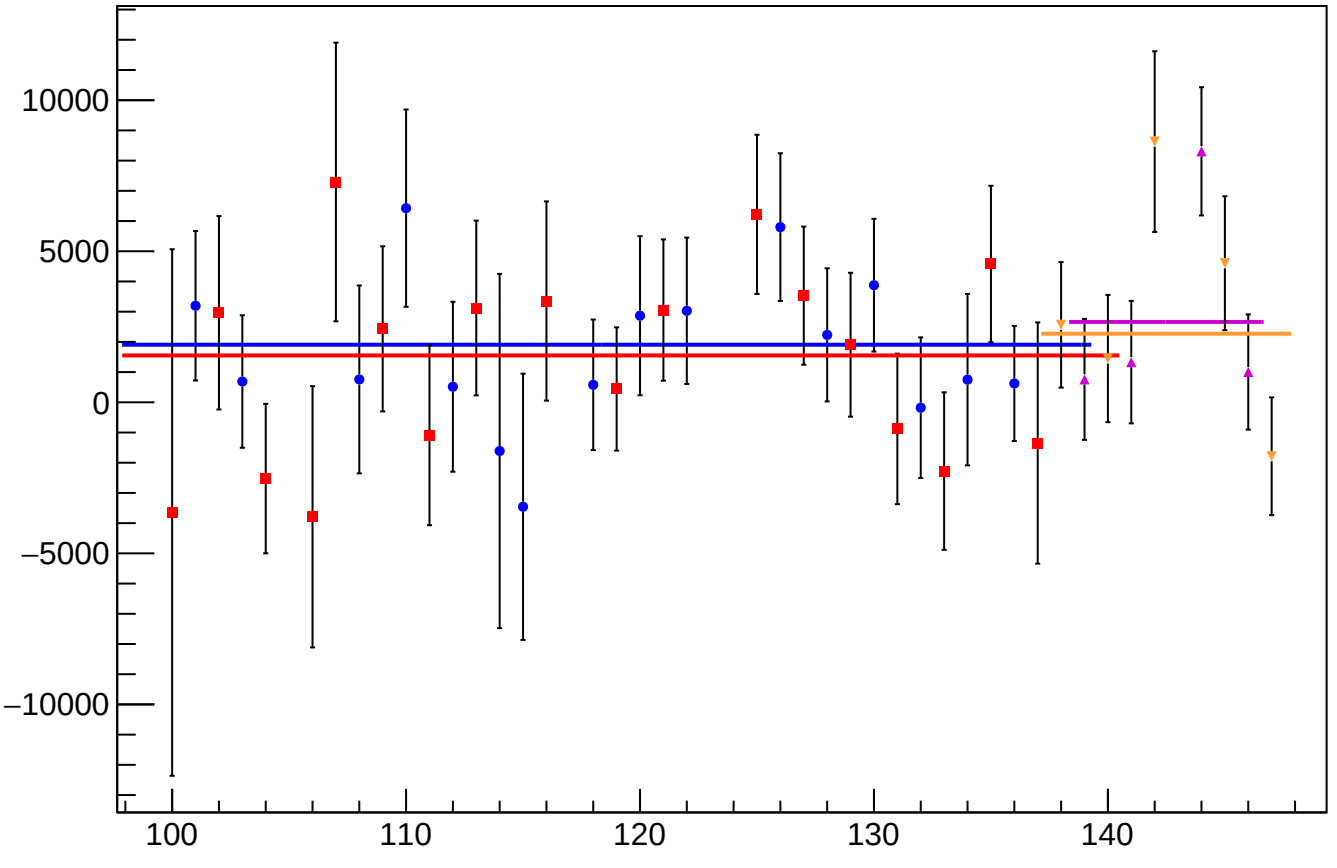
Left: 4628.678+/-1.183 χ^2/NDF: 669399.3/9

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2179.467+/-0.586 χ^2/NDF:7081343.5/19

Out: 1711.976+/-0.457 χ^2/NDF:9830345.8/24

All: 1888.399+/-0.360 χ^2/NDF: 17307461.1/4



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 2271.397+/-982.431 χ^2/NDF:10.1/4

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2660.908+/-1005.087 χ^2/NDF:9.2/3

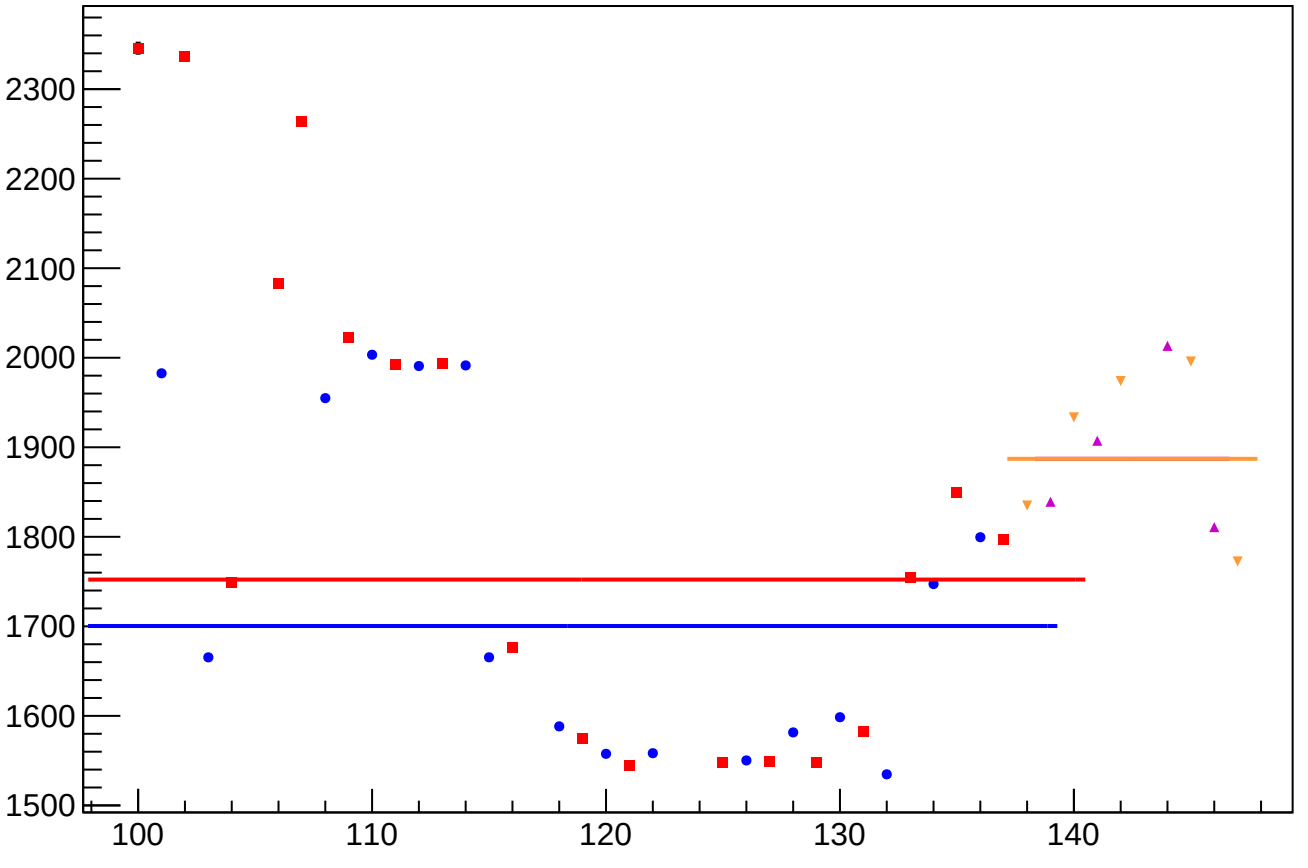
Left: 2461.713+/-702.557 χ^2/NDF: 19.4/8

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2122.202+/-537.701 χ^2/NDF:19.8/19

Out: 1775.504+/-548.453 χ^2/NDF:28.0/22

All: 1952.285+/-383.957 χ^2/NDF: 48.0/42



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1887.104+/-0.695 χ^2/NDF:15646.0/4

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1887.117+/-0.711 χ^2/NDF:11615.9/3

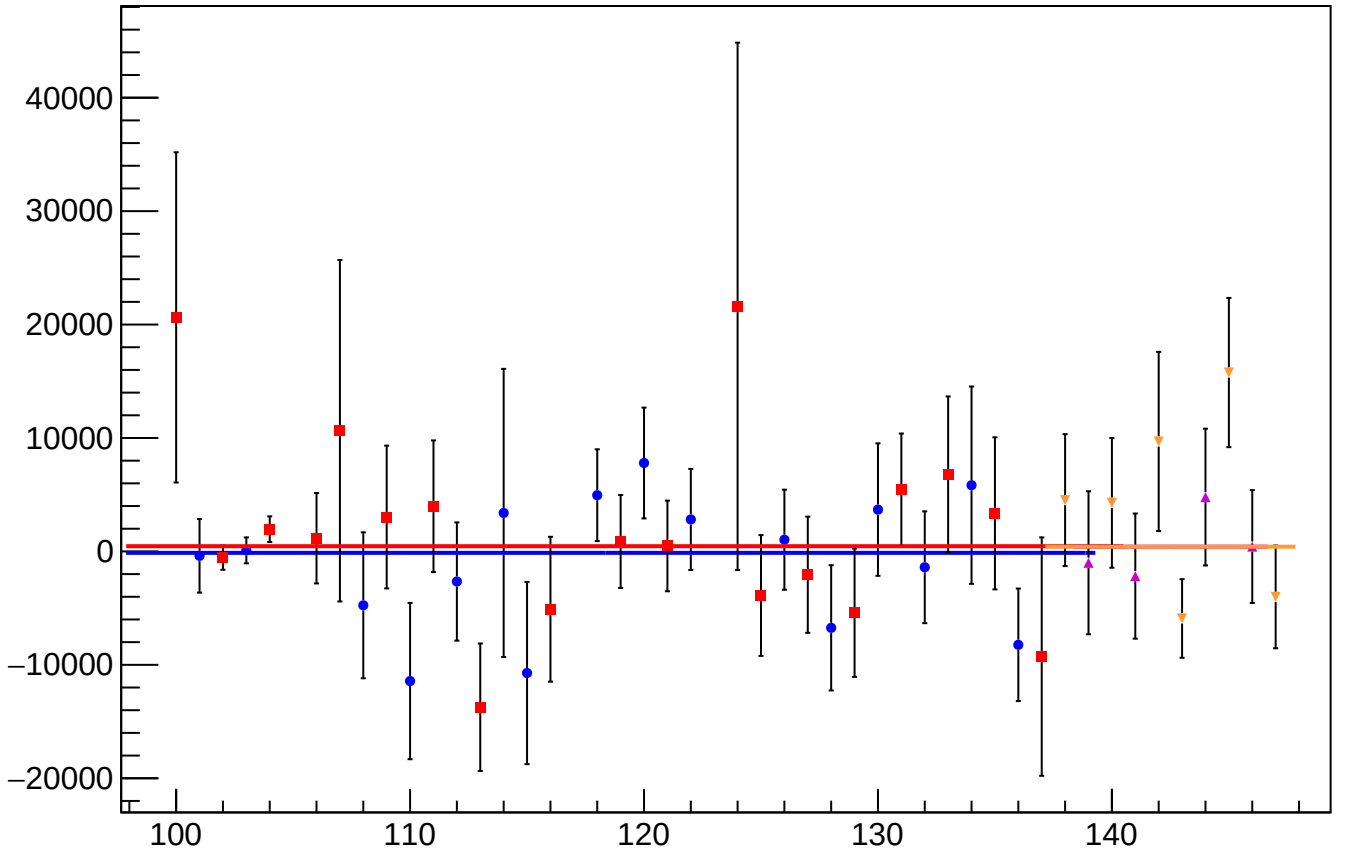
Left: 1887.110+/-0.497 χ^2/NDF: 27261.9/8

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1753.808+/-0.380 χ^2/NDF:196326.3/19

Out: 1794.138+/-0.387 χ^2/NDF:289578.9/22

All: 1773.605+/-0.271 χ^2/NDF: 491428.3/42



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 416.546+/-2079.202 χ^2/NDF:12.1/5

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 416.409+/-2818.072 χ^2/NDF:0.8/3

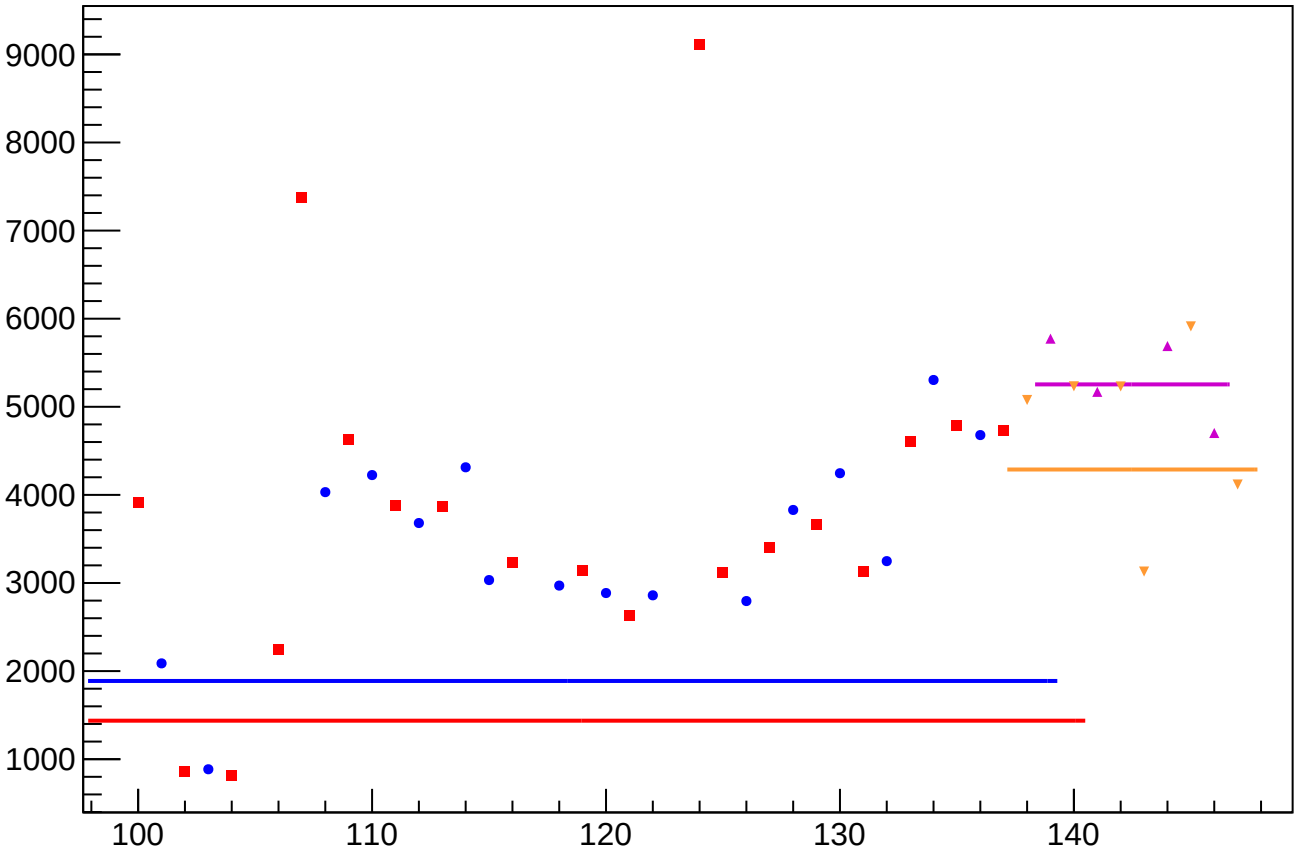
Left: 416.497+/-1673.100 χ^2/NDF: 12.9/9

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -78.546+/-829.227 χ^2/NDF:15.9/19

Out: 455.295+/-645.584 χ^2/NDF:30.6/24

All: 253.834+/-509.406 χ^2/NDF: 46.7/44



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4288.164+/-1.470 χ^2/NDF:468186.3/5

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5254.221+/-1.993 χ^2/NDF:49031.6/3

Left: 4628.684+/-1.183 χ^2/NDF: 669406.2/9

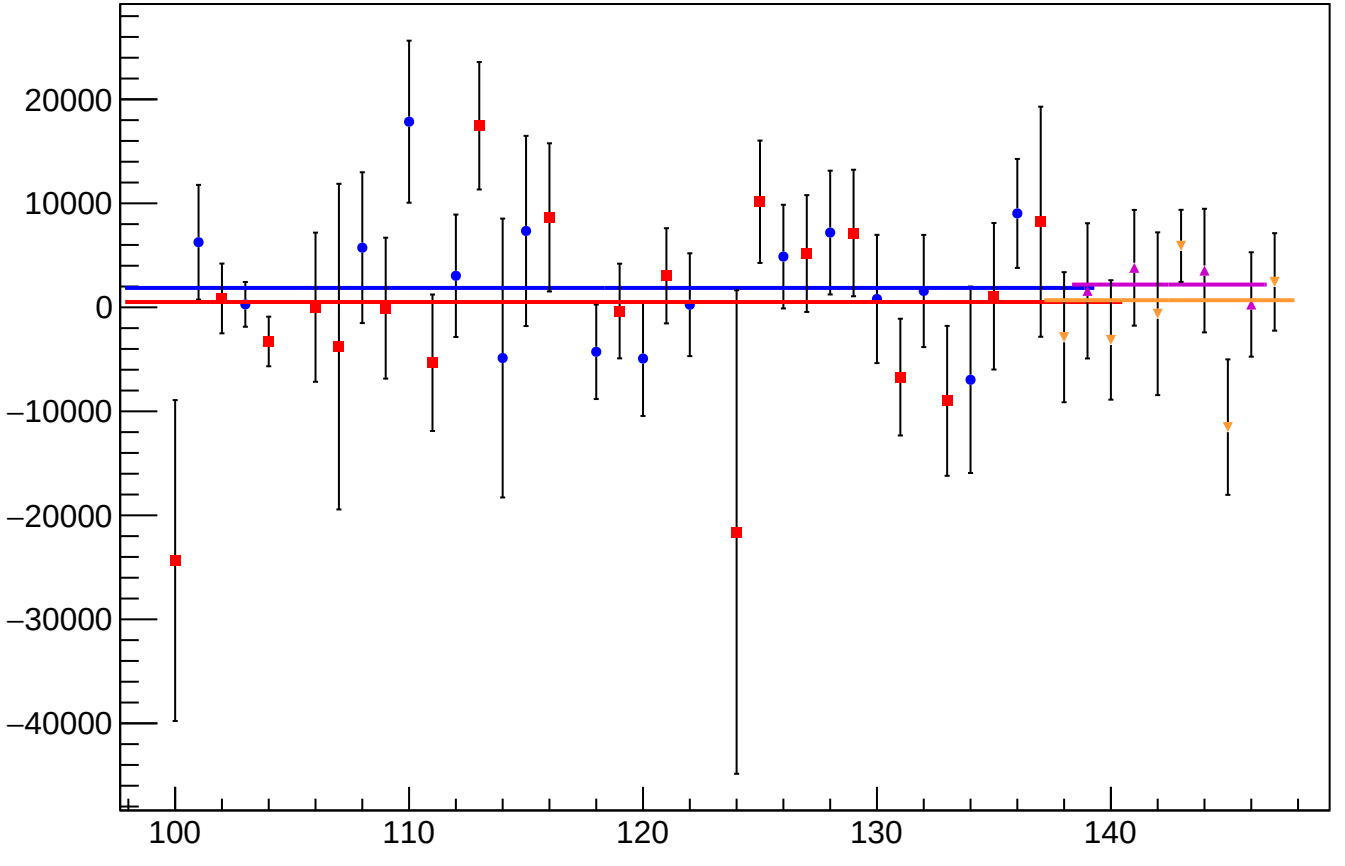
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2179.448+/-0.586 χ^2/NDF:7081415.8/19

Out: 1711.960+/-0.456 χ^2/NDF:9830424.2/24

All: 1888.382+/-0.360 χ^2/NDF: 17307612.3/4

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 684.769+/-2109.849 χ^2/NDF:6.7/5

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 2188.764+/-2840.302 χ^2/NDF:0.3/3

Left: 1219.564+/-1693.694 χ^2/NDF: 7.2/9

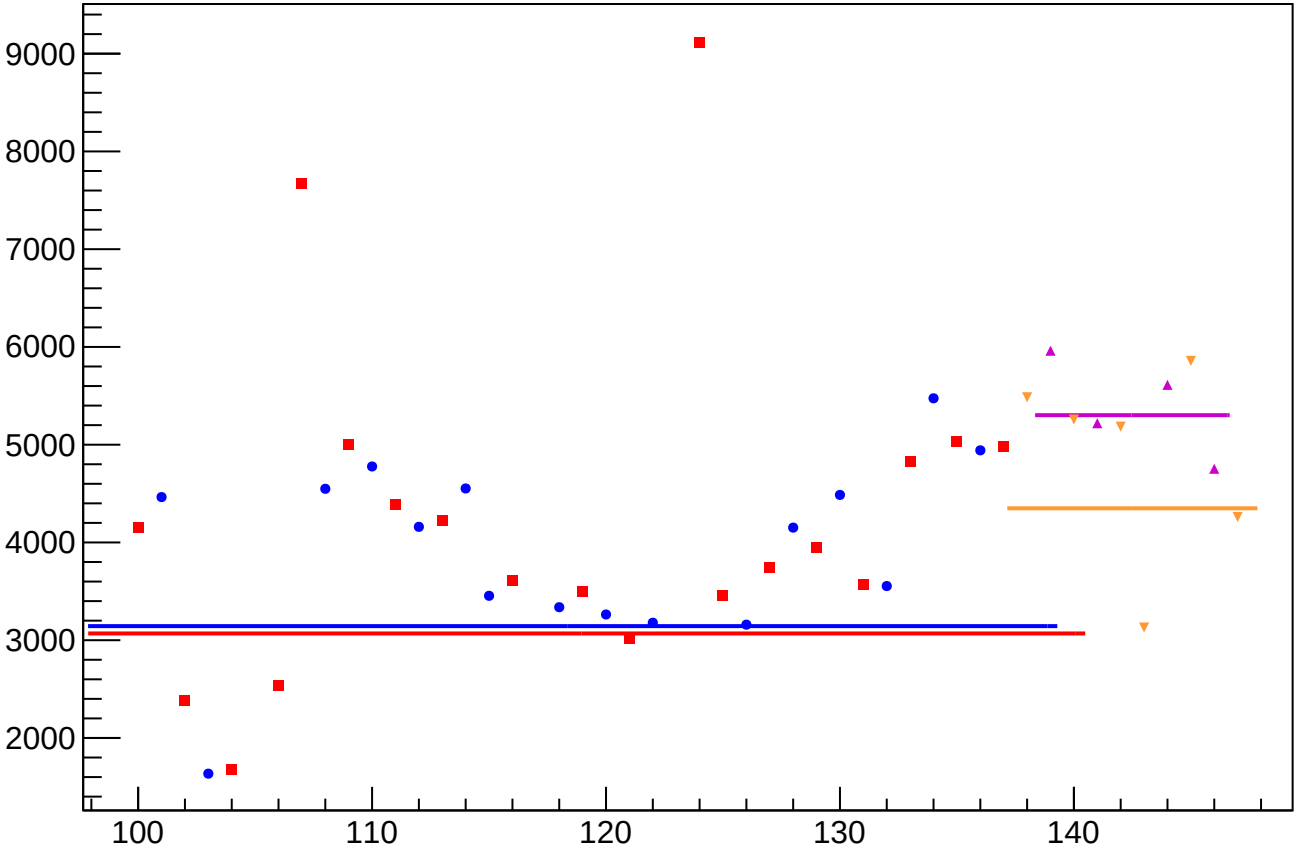
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1919.533+/-1151.136 χ^2/NDF:14.1/19

Out: 556.829+/-1070.009 χ^2/NDF:31.4/24

All: 1188.474+/-783.723 χ^2/NDF: 46.3/44

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4349.593+/-1.492 χ^2/NDF:494478.3/5

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5302.030+/-2.008 χ^2/NDF:50311.8/3

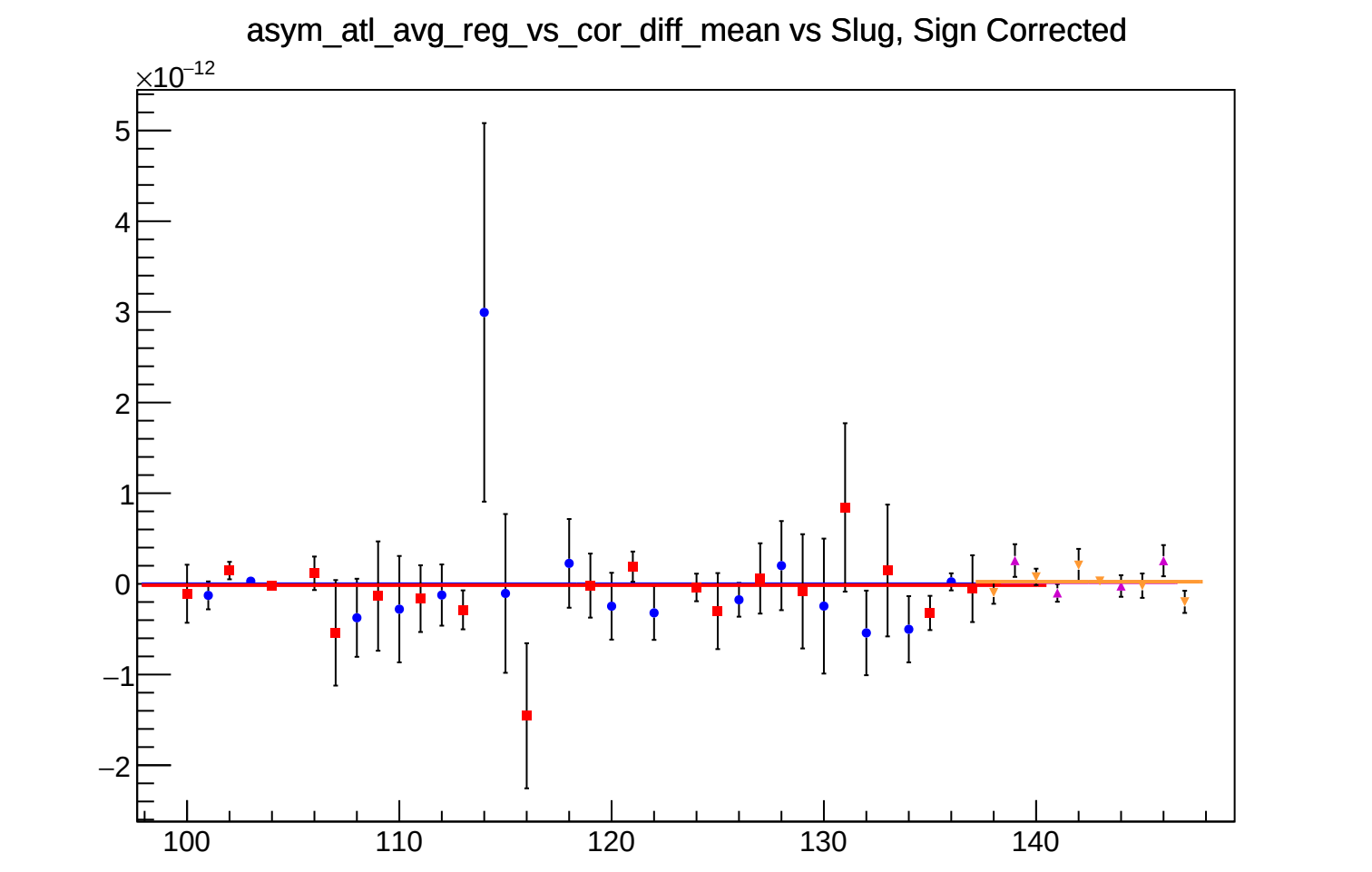
Left: 4688.263+/-1.198 χ^2/NDF: 689714.2/9

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3498.584+/-0.814 χ^2/NDF:2898244.2/19

Out: 3390.817+/-0.748 χ^2/NDF:2927720.2/24

All: 3440.143+/-0.551 χ^2/NDF: 5835470.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/3

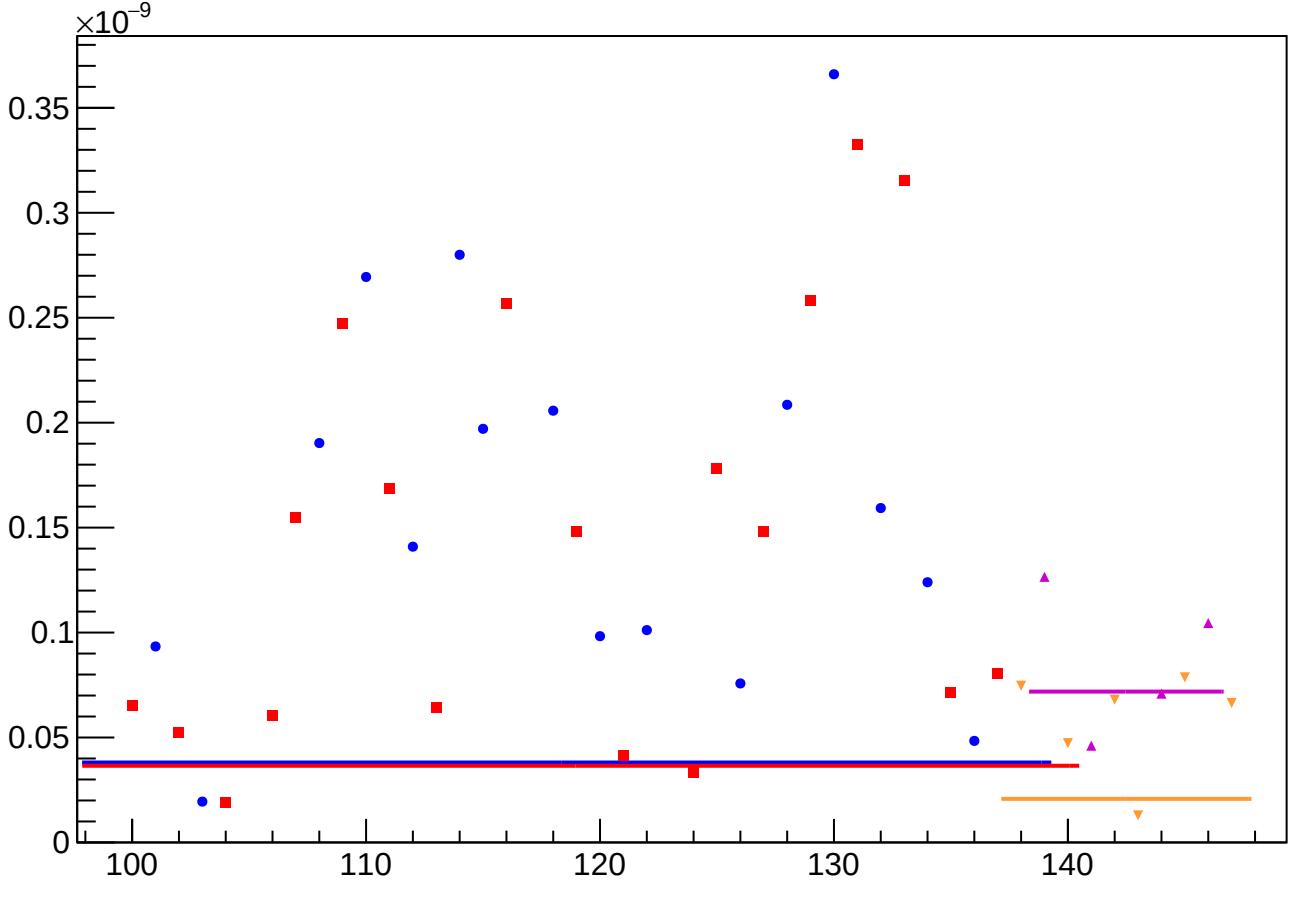
Left: 0.000+/-0.000 χ^2/NDF: 11.1/9

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: 0.000+/-0.000 χ^2/NDF:16.0/19

Out: 0.000+/-0.000 χ^2/NDF:21.7/24

All: 0.000+/-0.000 χ^2/NDF: 37.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1563370.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:396453.8/3

Left: 0.000+/-0.000 χ^2/NDF: 3091359.3/9

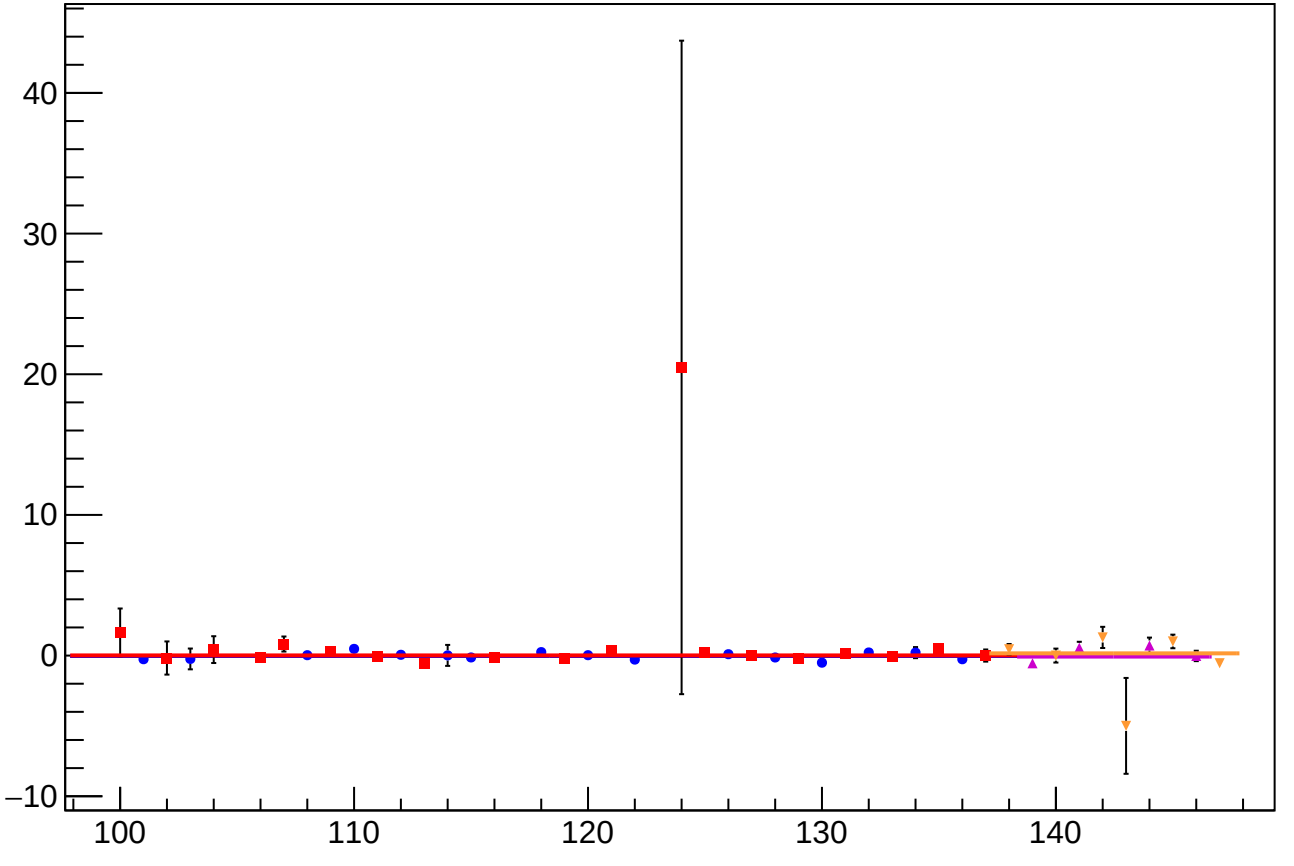
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:3715146.2/19

Out: 0.000+/-0.000 χ^2/NDF:4573590.7/24

All: 0.000+/-0.000 χ^2/NDF: 8934579.2/44

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: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.071+/-0.184 χ^2/NDF:7.3/3

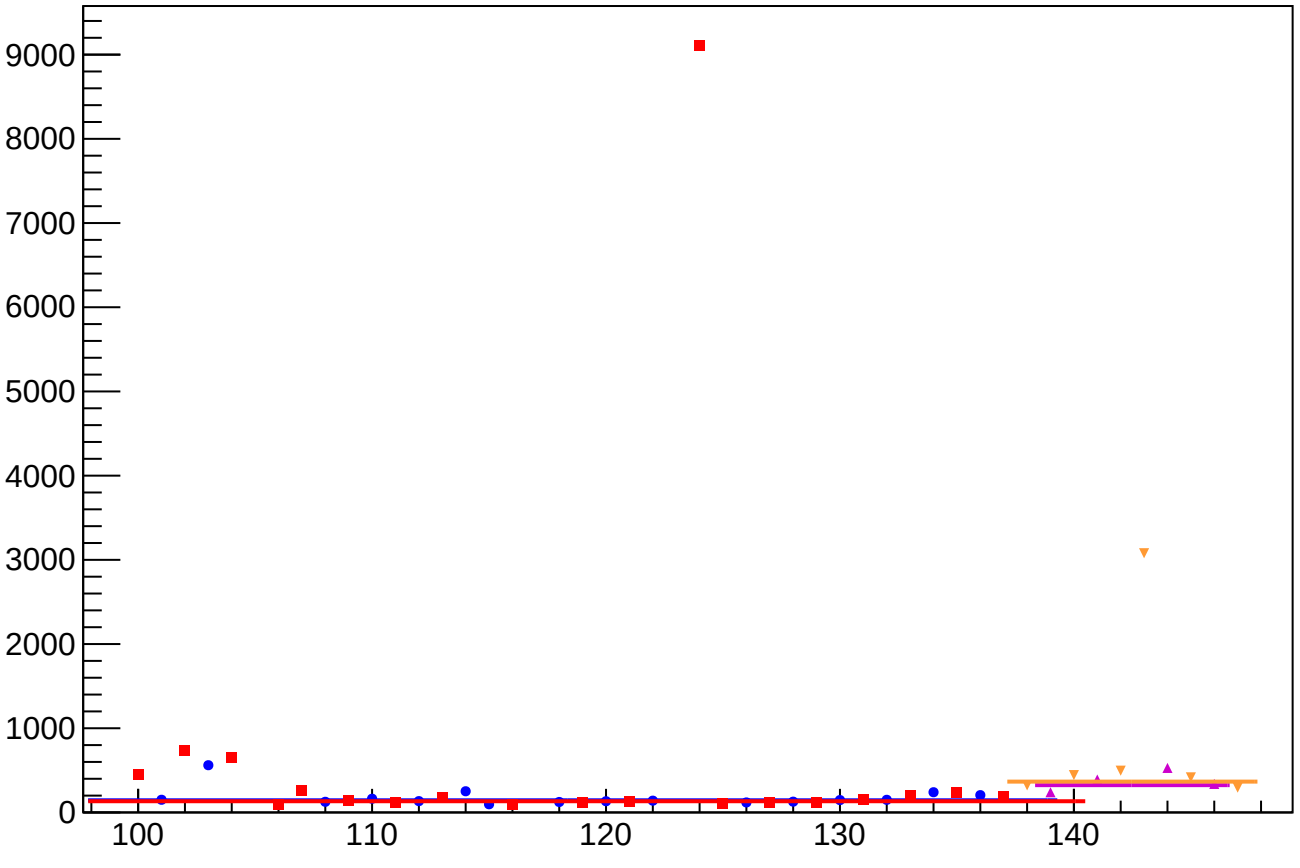
Left: 0.038+/-0.133 χ^2/NDF: 21.0/9

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.032+/-0.055 χ^2/NDF:24.6/19

Out: 0.022+/-0.054 χ^2/NDF:35.3/24

All: -0.005+/-0.039 χ^2/NDF: 60.4/44



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 366.281+/-0.137 χ^2/NDF:1521662.5/5

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.290+/-0.130 χ^2/NDF:511352.1/3

Left: 344.240+/-0.094 χ^2/NDF: 2082523.7/9

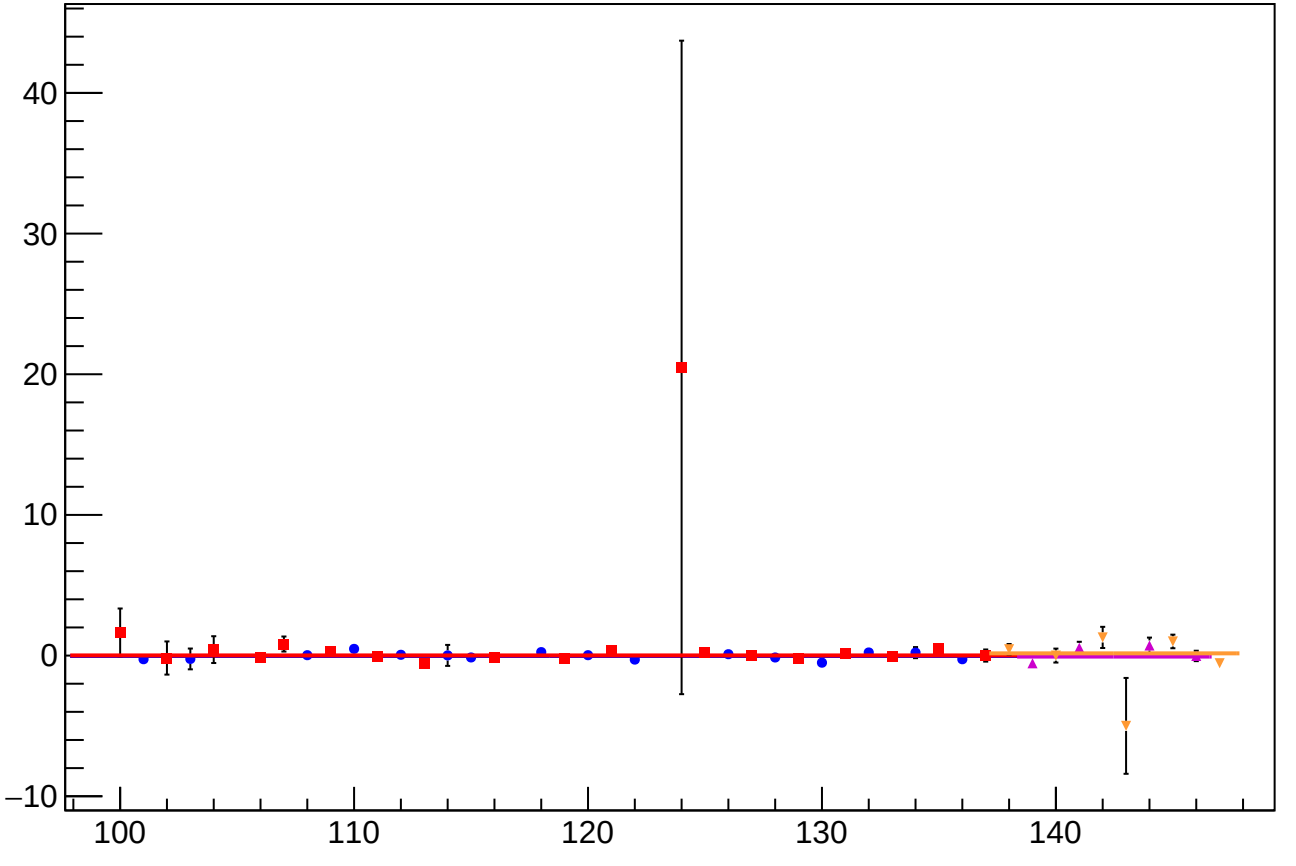
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 160.478+/-0.039 χ^2/NDF:3382723.2/19

Out: 151.591+/-0.038 χ^2/NDF:6418452.5/24

All: 155.959+/-0.027 χ^2/NDF: 9827561.0/44

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: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.071+/-0.184 χ^2/NDF:7.3/3

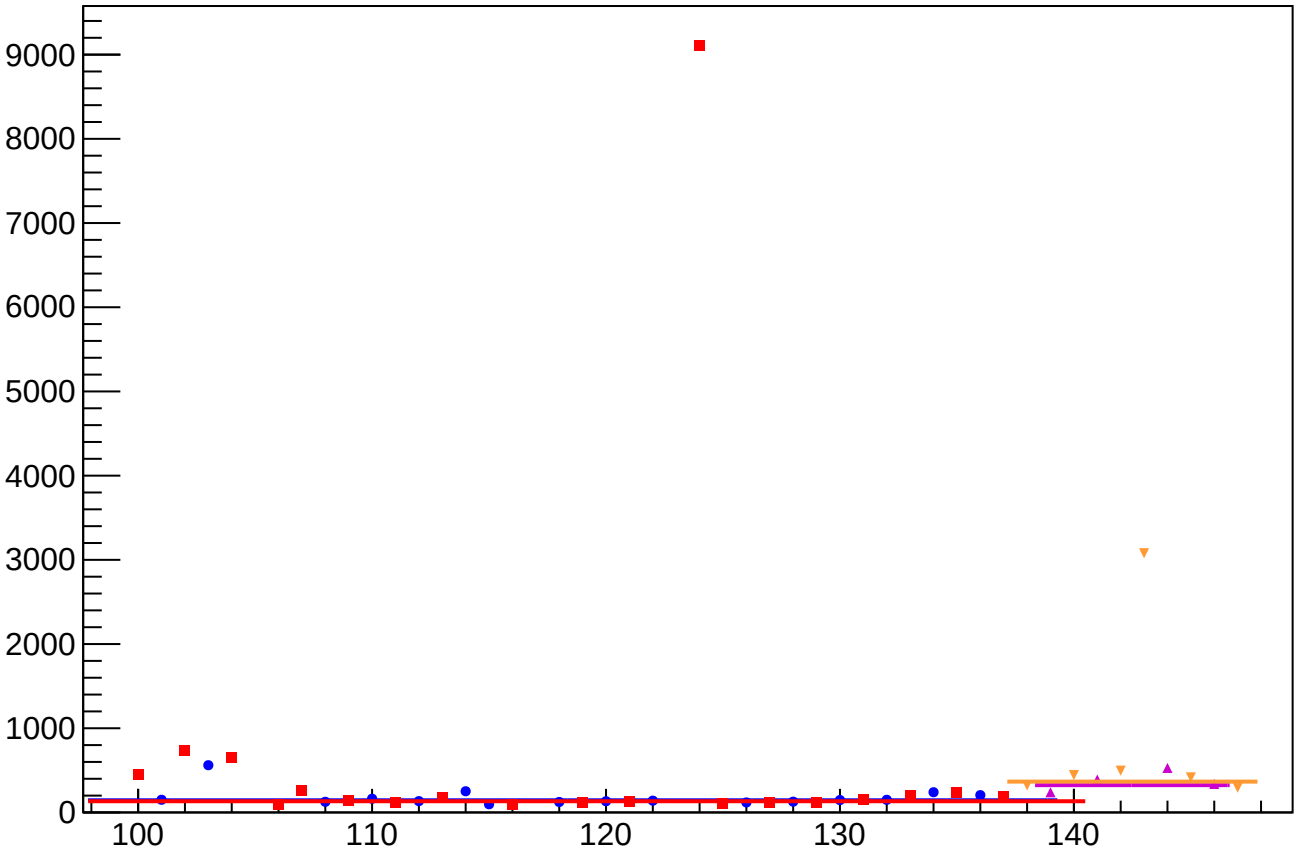
Left: 0.038+/-0.133 χ^2/NDF: 21.0/9

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.032+/-0.055 χ^2/NDF:24.6/19

Out: 0.022+/-0.054 χ^2/NDF:35.3/24

All: -0.005+/-0.039 χ^2/NDF: 60.4/44



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 366.281+/-0.137 χ^2/NDF:1521662.5/5

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.290+/-0.130 χ^2/NDF:511352.1/3

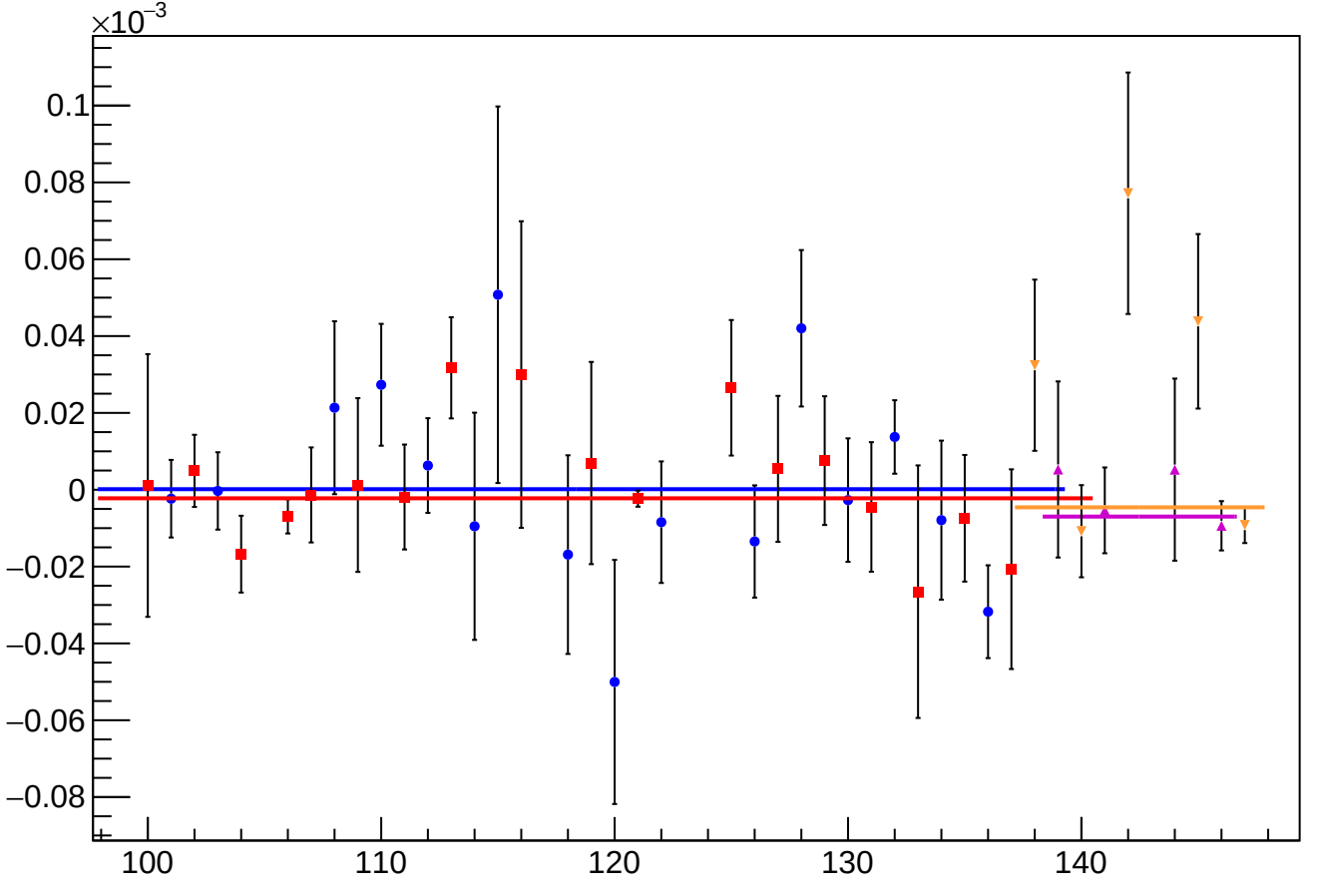
Left: 344.240+/-0.094 χ^2/NDF: 2082523.7/9

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 160.478+/-0.039 χ^2/NDF:3382723.2/19

Out: 151.591+/-0.038 χ^2/NDF:6418452.5/24

All: 155.959+/-0.027 χ^2/NDF: 9827561.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

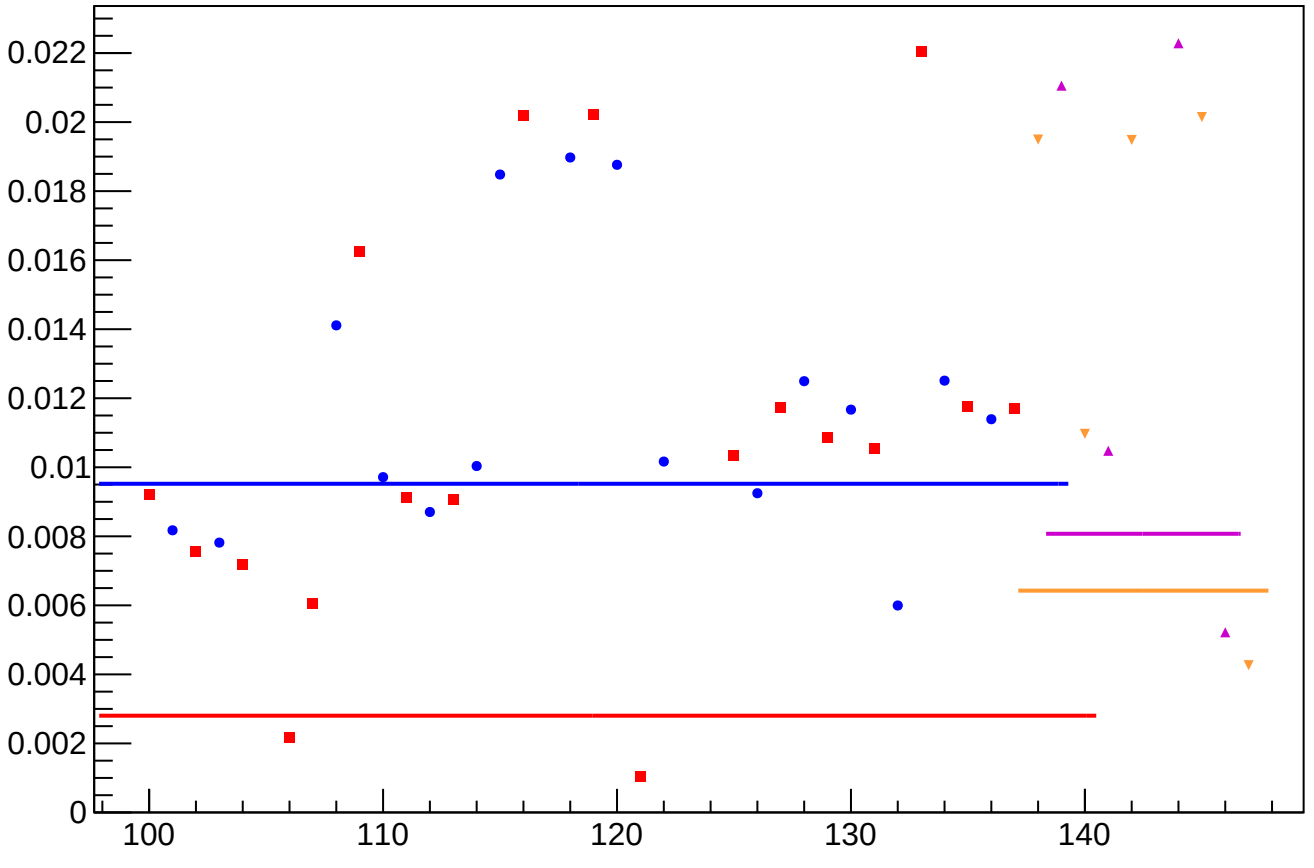
Left: -0.000+/-0.000 χ^2/NDF: 16.1/8

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: -0.000+/-0.000 χ^2/NDF:24.7/19

Out: -0.000+/-0.000 χ^2/NDF:31.2/22

All: -0.000+/-0.000 χ^2/NDF: 55.9/42



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:2472256.8/4

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.008+/-0.000 χ^2/NDF:1849210.6/3

Left: 0.007+/-0.000 χ^2/NDF: 4441305.5/8

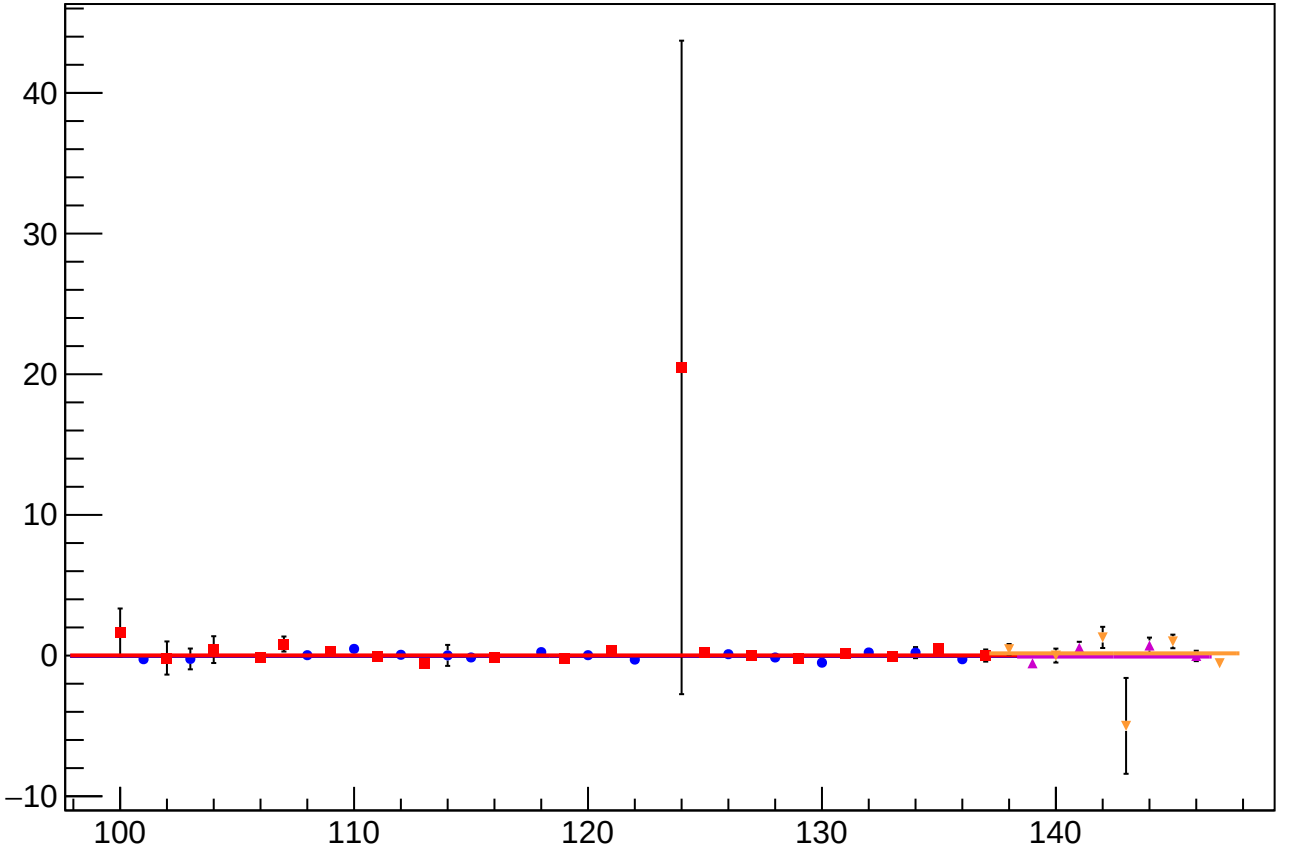
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.009+/-0.000 χ^2/NDF:3082551.1/19

Out: 0.003+/-0.000 χ^2/NDF:12324659.3/22

All: 0.005+/-0.000 χ^2/NDF: 20909326.7/42

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: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.071+/-0.184 χ^2/NDF:7.3/3

Left: 0.038+/-0.133 χ^2/NDF: 21.0/9

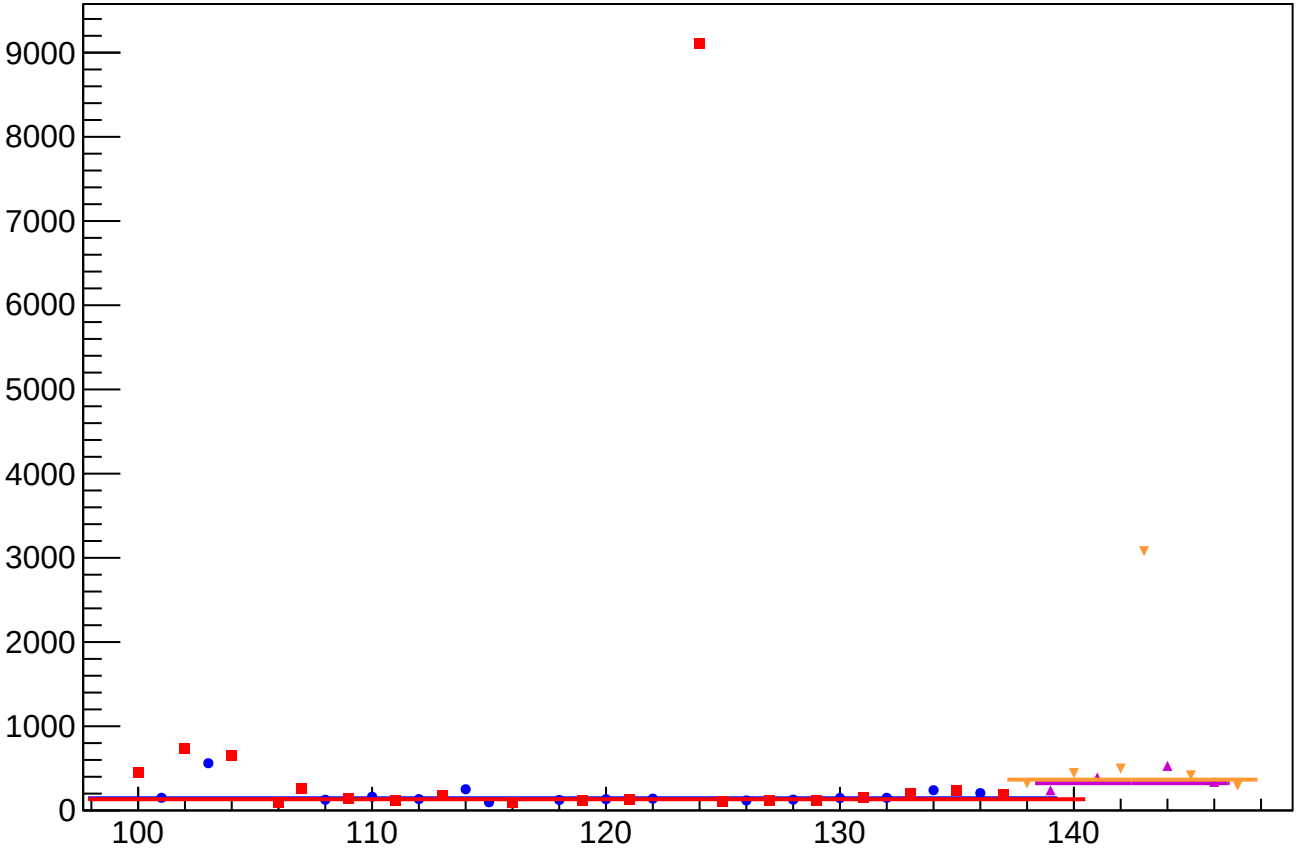
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.032+/-0.055 χ^2/NDF:24.6/19

Out: 0.022+/-0.054 χ^2/NDF:35.3/24

All: -0.005+/-0.039 χ^2/NDF: 60.4/44

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 366.284+/-0.137 χ^2/NDF:1521680.7/5

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.296+/-0.130 χ^2/NDF:511332.8/3

Left: 344.245+/-0.094 χ^2/NDF: 2082514.4/9

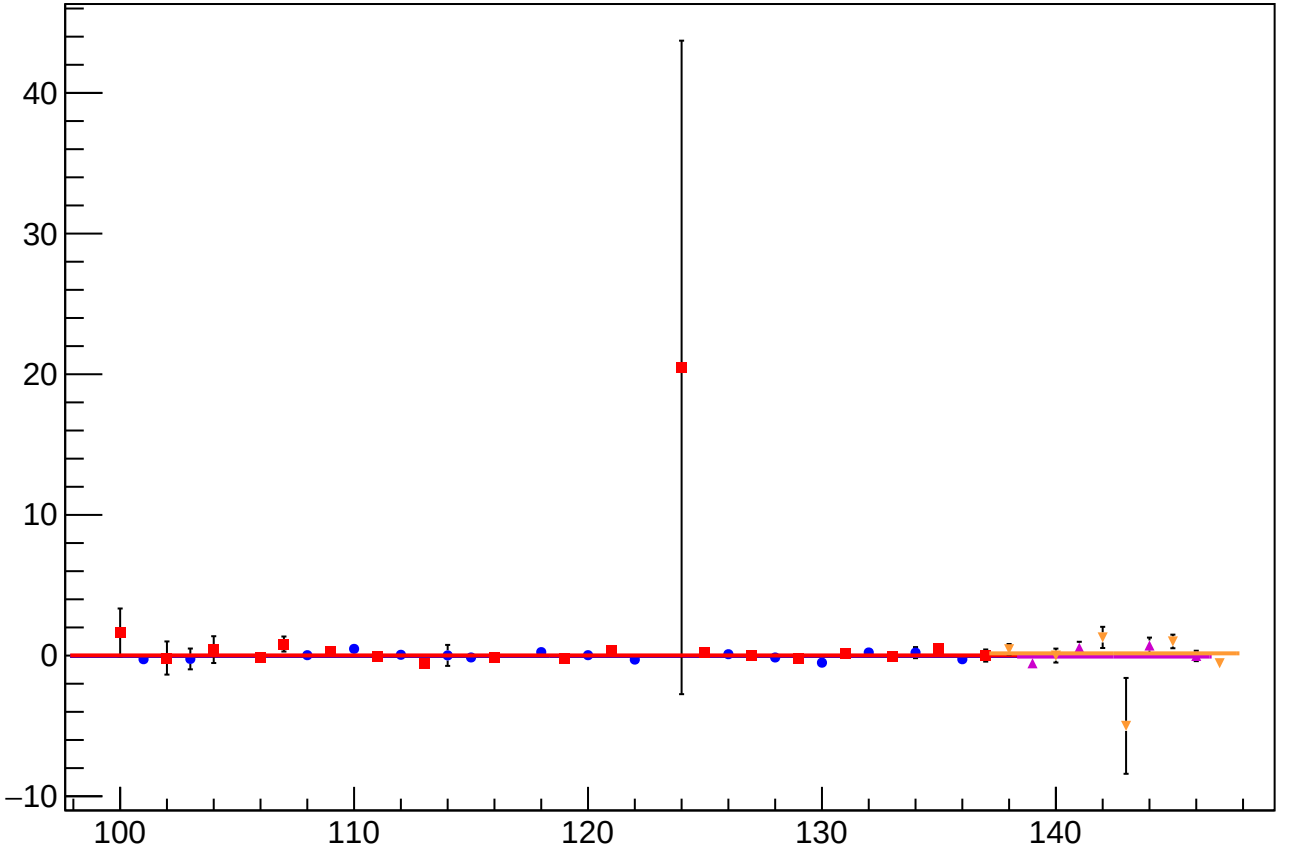
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 160.476+/-0.039 χ^2/NDF:3382821.4/19

Out: 151.590+/-0.038 χ^2/NDF:6418475.3/24

All: 155.958+/-0.027 χ^2/NDF: 9827678.0/44

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: 0.158+/-0.193 χ^2/NDF:13.0/5

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.071+/-0.184 χ^2/NDF:7.3/3

Left: 0.038+/-0.133 χ^2/NDF: 21.0/9

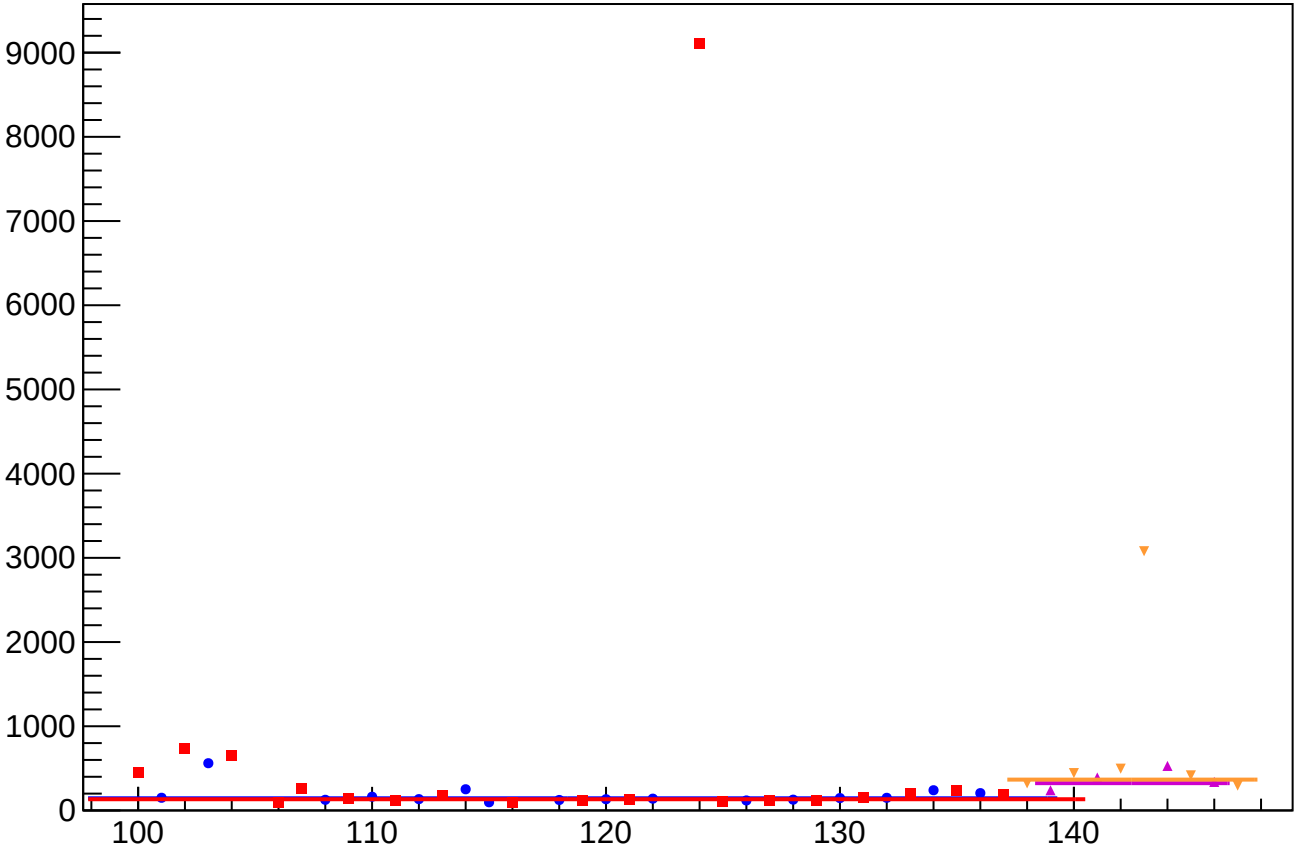
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.032+/-0.055 χ^2/NDF:24.6/19

Out: 0.022+/-0.054 χ^2/NDF:35.3/24

All: -0.005+/-0.039 χ^2/NDF: 60.4/44

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: 366.284+/-0.137 χ^2/NDF:1521680.7/5

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.296+/-0.130 χ^2/NDF:511332.8/3

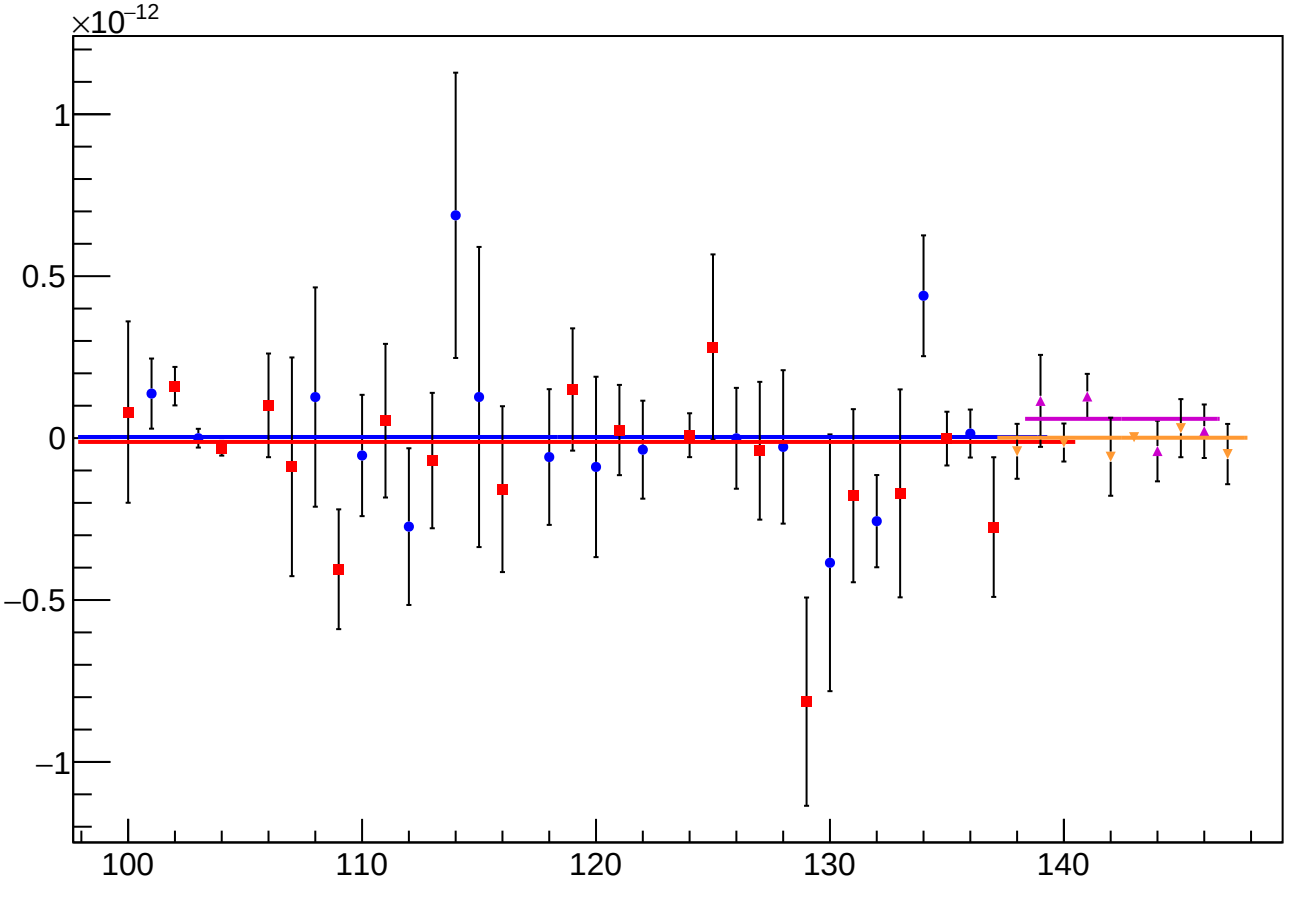
Left: 344.245+/-0.094 χ^2/NDF: 2082514.4/9

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 160.476+/-0.039 χ^2/NDF:3382821.4/19

Out: 151.590+/-0.038 χ^2/NDF:6418475.3/24

All: 155.958+/-0.027 χ^2/NDF: 9827678.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

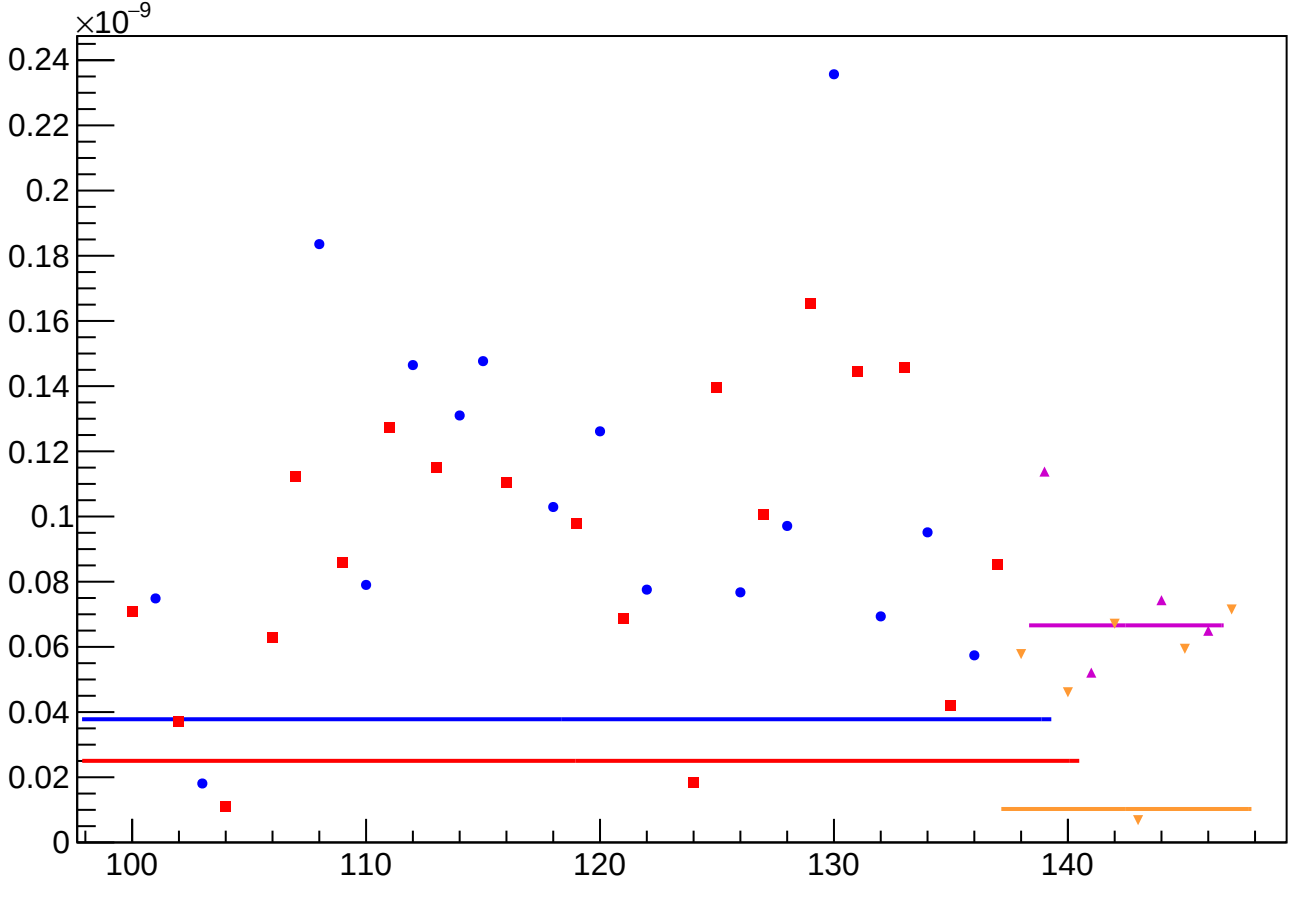
Left: 0.000+/-0.000 χ^2/NDF: 5.1/9

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:19.3/19

Out: -0.000+/-0.000 χ^2/NDF:26.5/24

All: 0.000+/-0.000 χ^2/NDF: 46.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3516414.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:321557.3/3

Left: 0.000+/-0.000 χ^2/NDF: 6958426.0/9

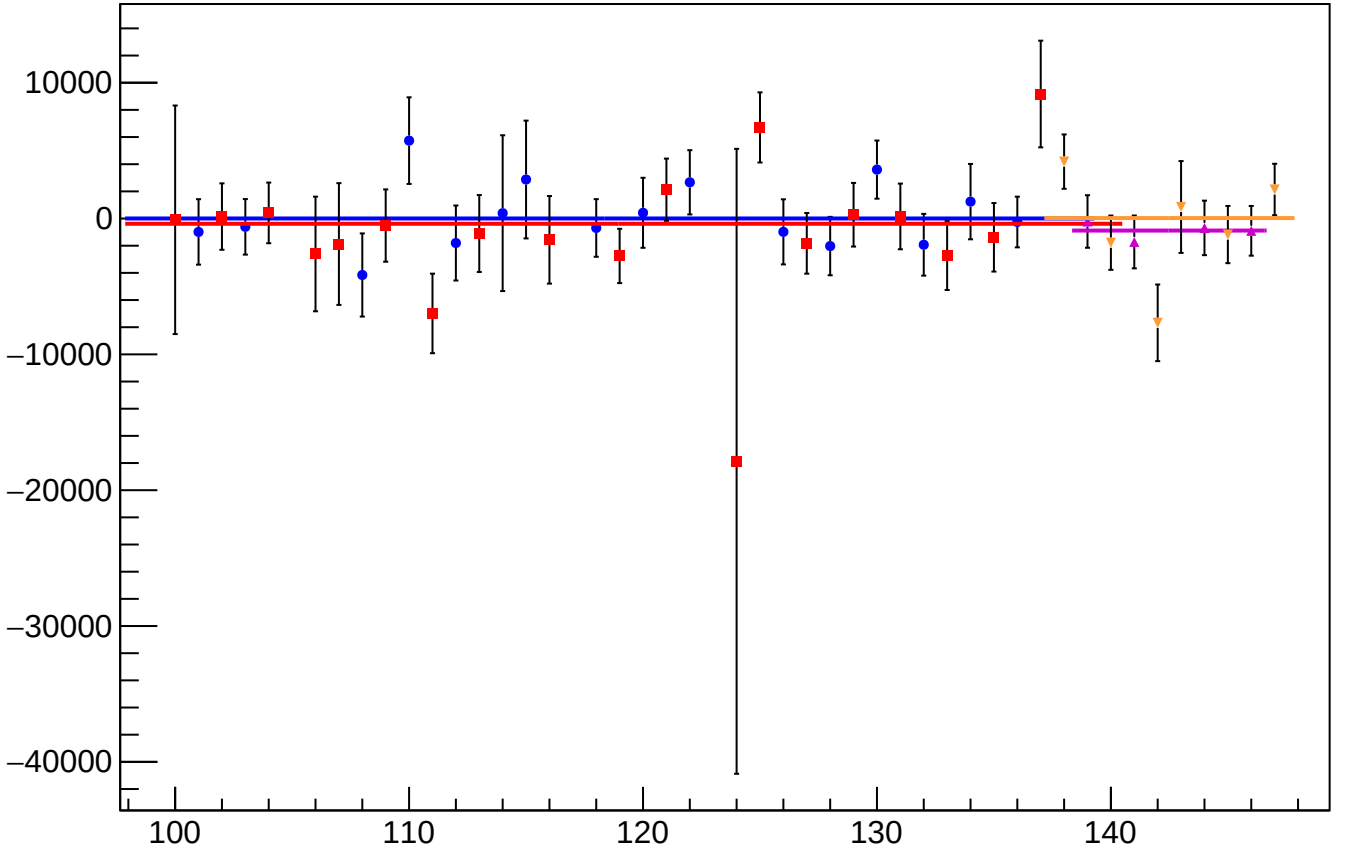
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:4924737.4/19

Out: 0.000+/-0.000 χ^2/NDF:9214621.1/24

All: 0.000+/-0.000 χ^2/NDF: 17848710.6/44

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 33.928+/-906.196 χ^2/NDF:14.2/5

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -884.916+/-962.840 χ^2/NDF:0.3/3

Left: -397.672+/-659.894 χ^2/NDF: 15.0/9

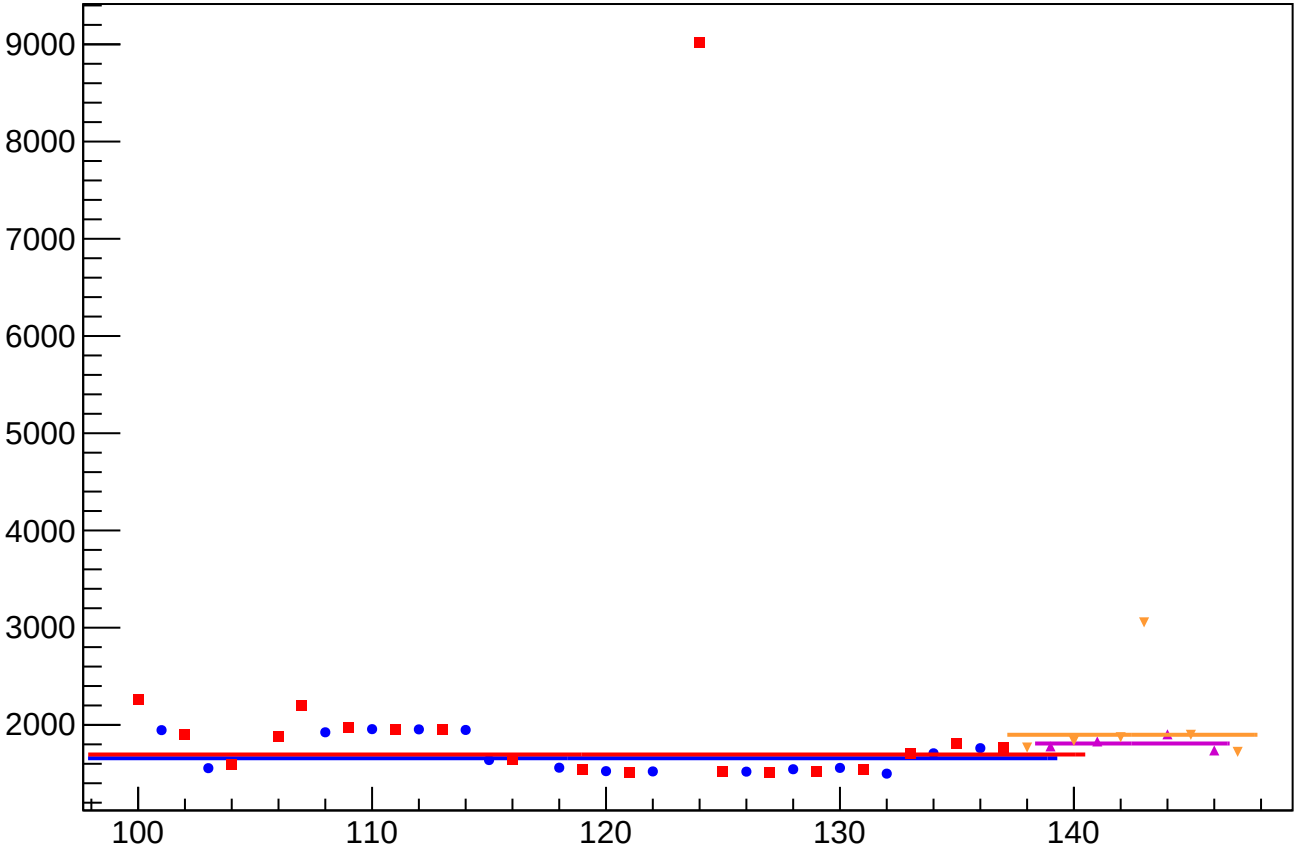
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -256.229+/-521.220 χ^2/NDF:13.4/19

Out: -247.260+/-519.309 χ^2/NDF:38.4/24

All: -251.728+/-367.881 χ^2/NDF: 51.8/44

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1898.538+/-0.641 χ^2/NDF:261882.7/5

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

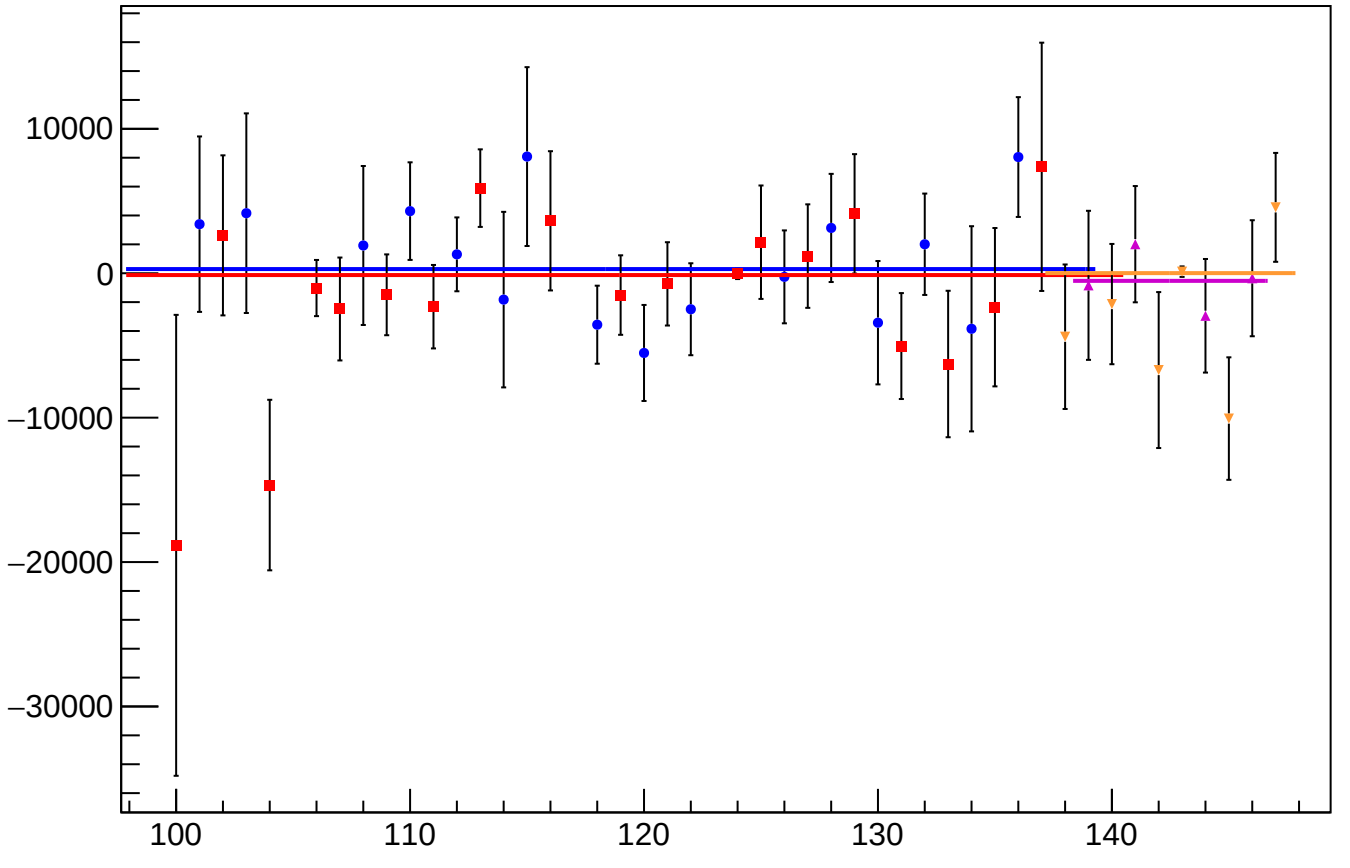
Left: 1856.389+/-0.467 χ^2/NDF: 279272.9/9

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1701.570+/-0.369 χ^2/NDF:187253.4/19

Out: 1761.866+/-0.366 χ^2/NDF:715632.9/24

All: 1731.922+/-0.260 χ^2/NDF: 916359.4/44



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 8.645+/-358.056 χ^2/NDF:9.8/5

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -527.601+/-2104.180 χ^2/NDF:0.8/3

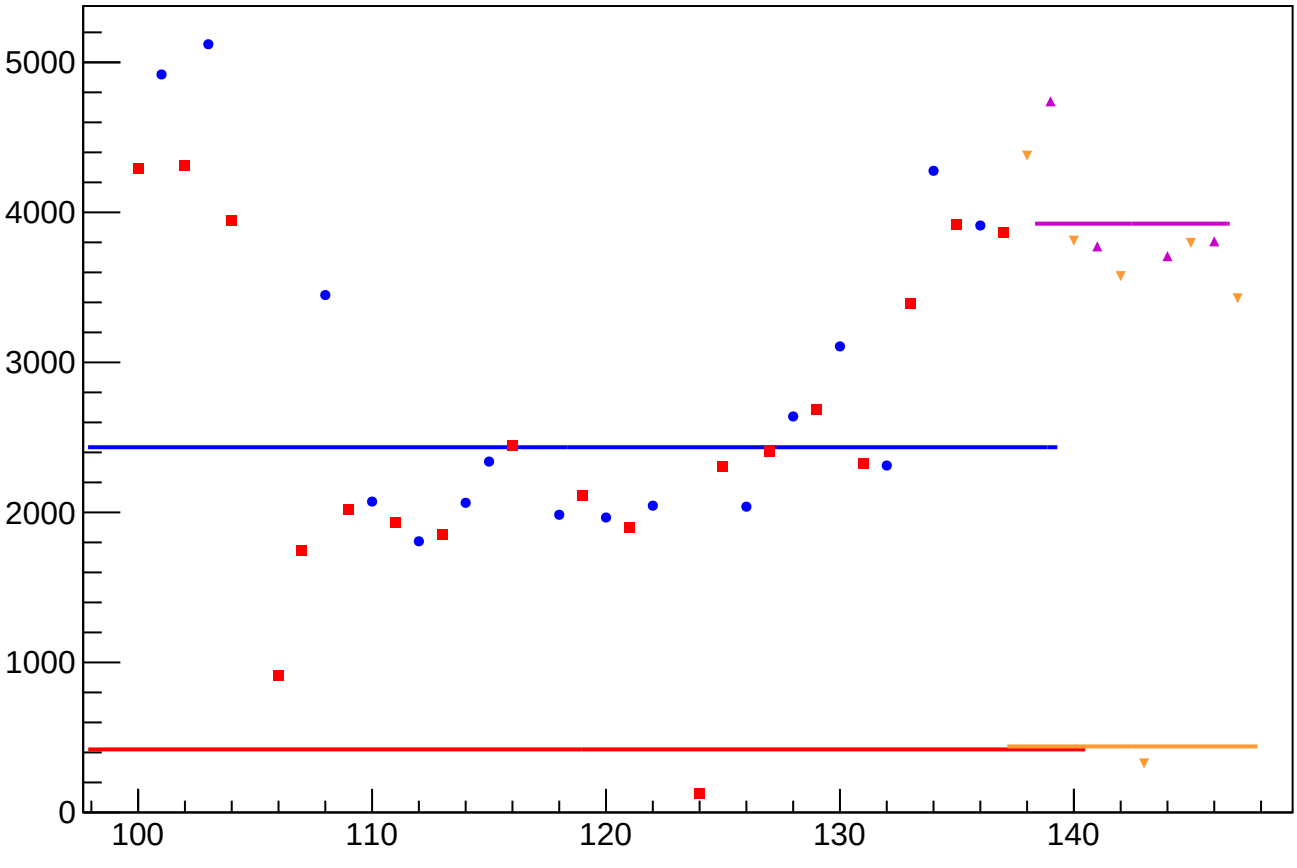
Left: -6.446+/-352.982 χ^2/NDF: 10.6/9

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: 148.266+/-874.201 χ^2/NDF:16.1/19

Out: -65.215+/-240.126 χ^2/NDF:30.7/24

All: -50.238+/-231.550 χ^2/NDF: 46.9/44



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 440.081+/-0.253 χ^2/NDF:5925099.3/5

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 3924.855+/-1.488 χ^2/NDF:60545.1/3

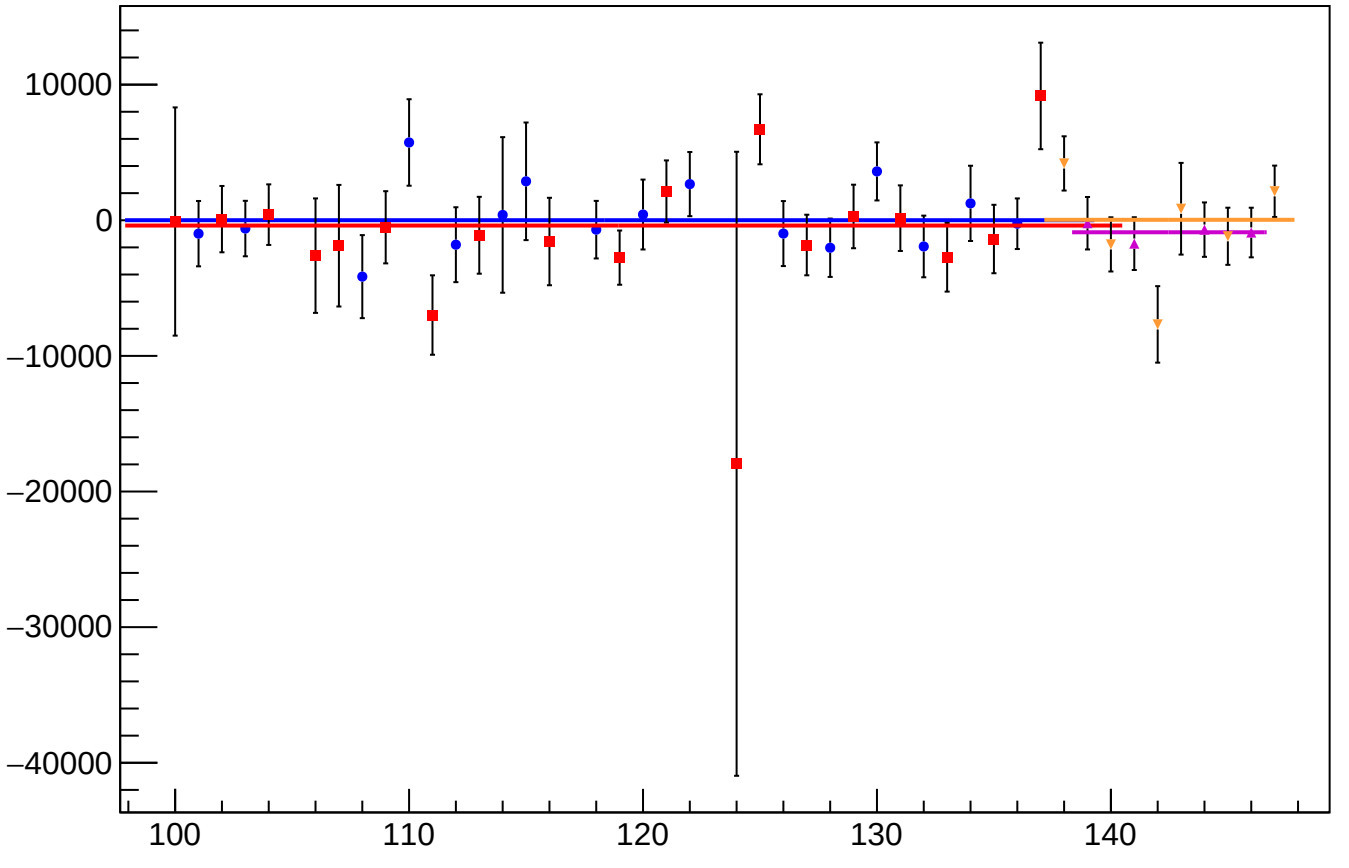
Left: 538.147+/-0.250 χ^2/NDF: 11316744.0/9

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2691.822+/-0.618 χ^2/NDF:2348312.0/19

Out: 429.193+/-0.170 χ^2/NDF:16992434.7/24

All: 587.930+/-0.164 χ^2/NDF: 31798622.6/44



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 33.656+/-906.196 χ^2/NDF:14.2/5

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -884.895+/-962.840 χ^2/NDF:0.3/3

Left: -397.807+/-659.894 χ^2/NDF: 15.0/9

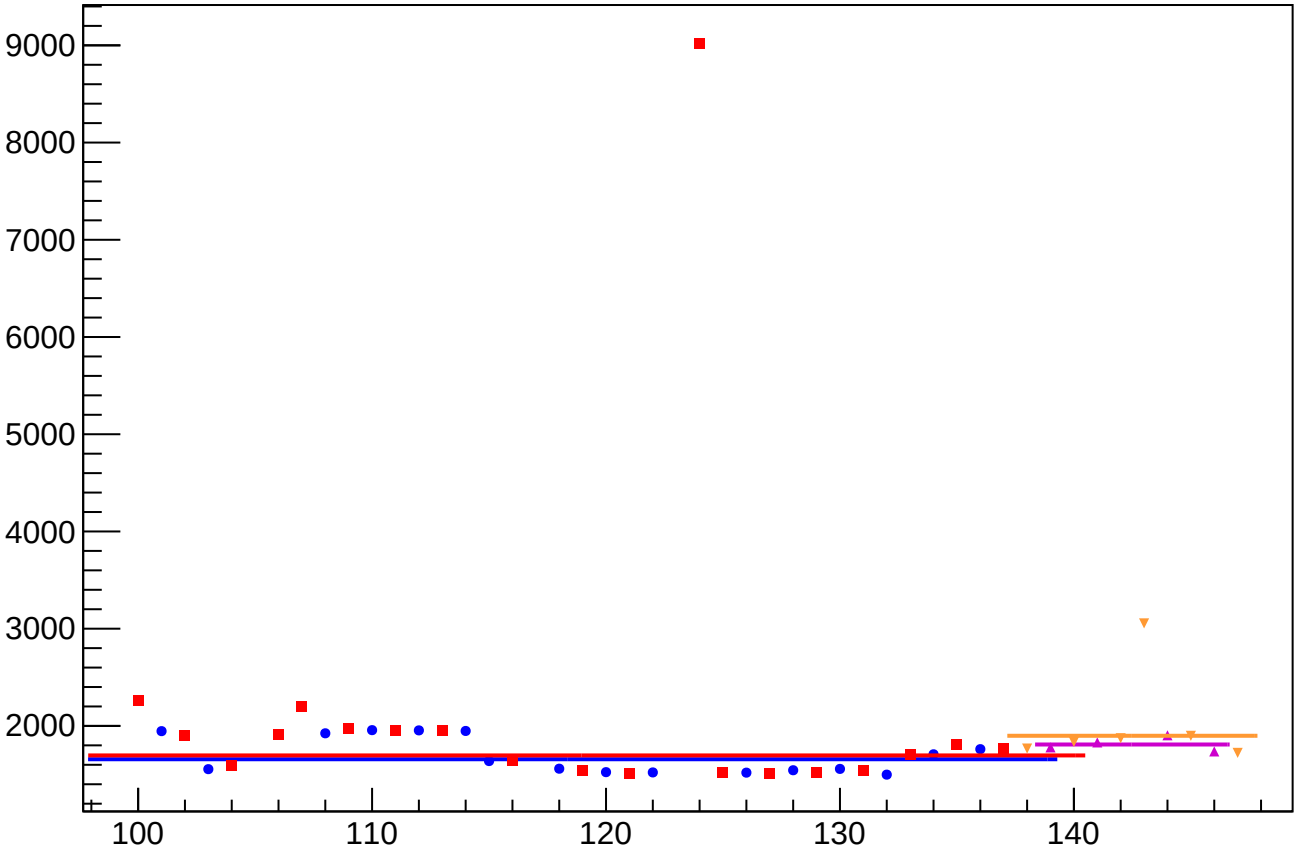
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -256.278+/-521.220 χ^2/NDF:13.4/19

Out: -250.233+/-519.312 χ^2/NDF:38.4/24

All: -253.244+/-367.882 χ^2/NDF: 51.8/44

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1898.538+/-0.641 χ^2/NDF:261882.7/5

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

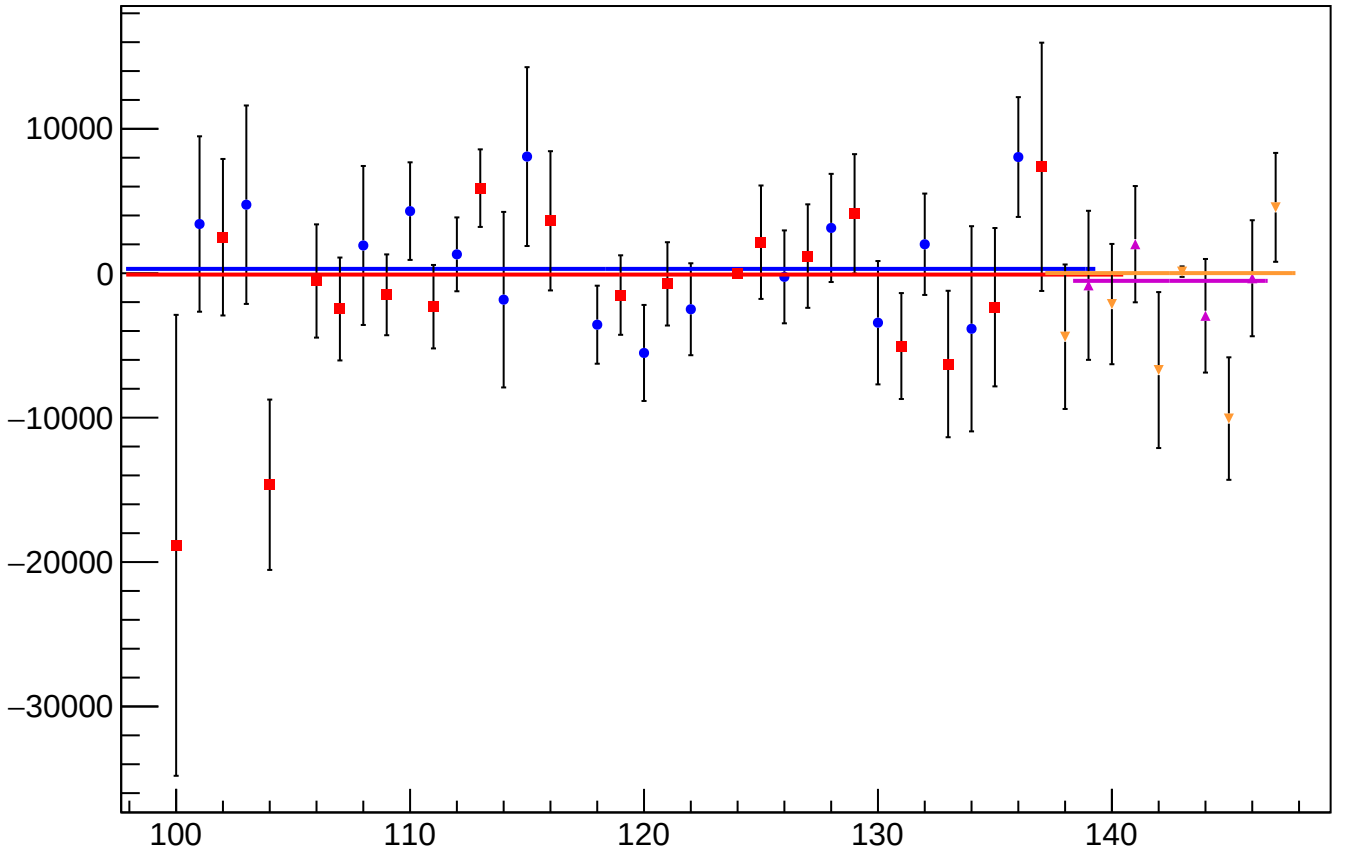
Left: 1856.389+/-0.467 χ^2/NDF: 279272.9/9

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1701.570+/-0.369 χ^2/NDF:187253.5/19

Out: 1762.443+/-0.366 χ^2/NDF:716842.9/24

All: 1732.203+/-0.260 χ^2/NDF: 917824.4/44



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 9.112+/-358.029 χ^2/NDF:9.8/5

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -527.551+/-2104.179 χ^2/NDF:0.8/3

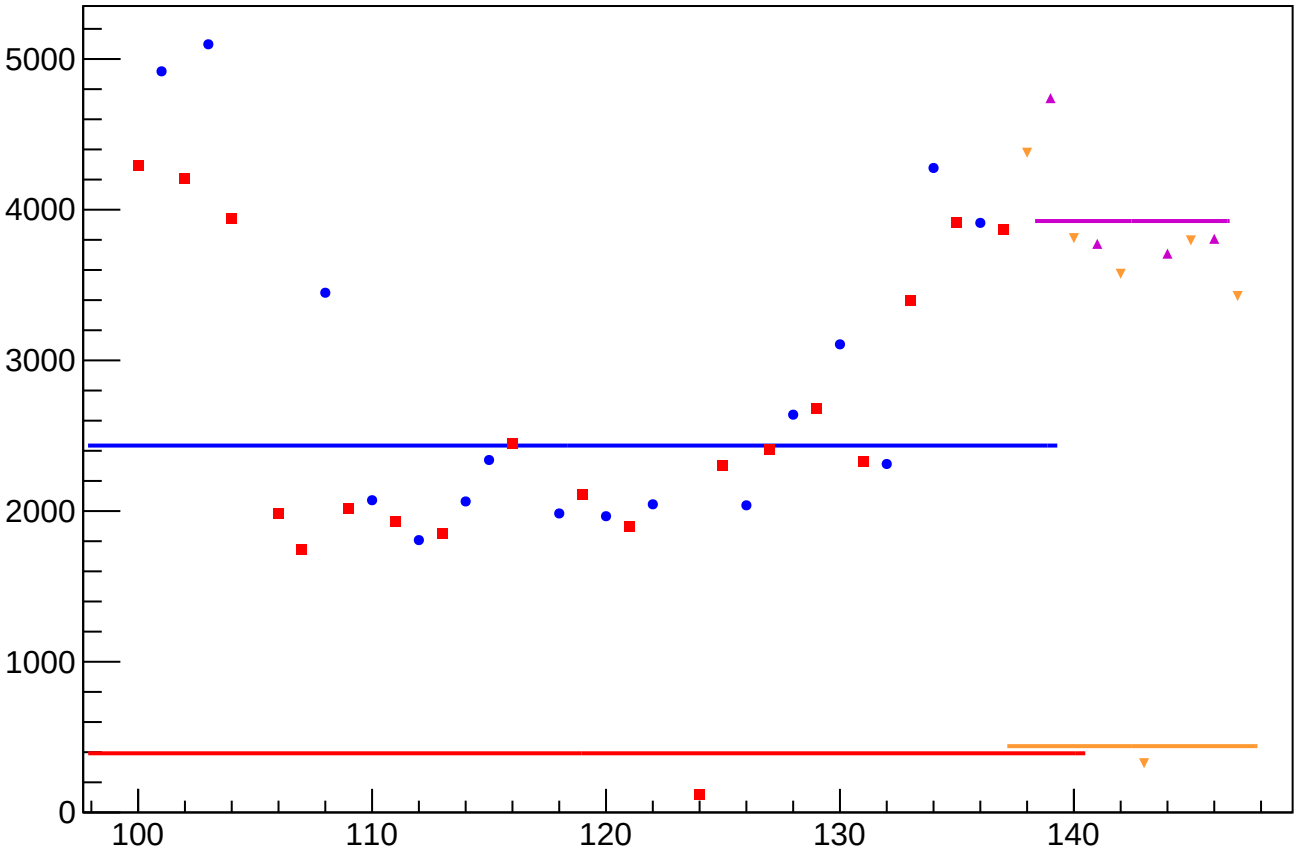
Left: -5.988+/-352.956 χ^2/NDF: 10.6/9

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 158.710+/-874.112 χ^2/NDF:16.2/19

Out: -47.899+/-236.816 χ^2/NDF:30.4/24

All: -33.771+/-228.576 χ^2/NDF: 46.7/44



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 440.036+/-0.253 χ^2/NDF:5925226.9/5

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3924.855+/-1.488 χ^2/NDF:60543.4/3

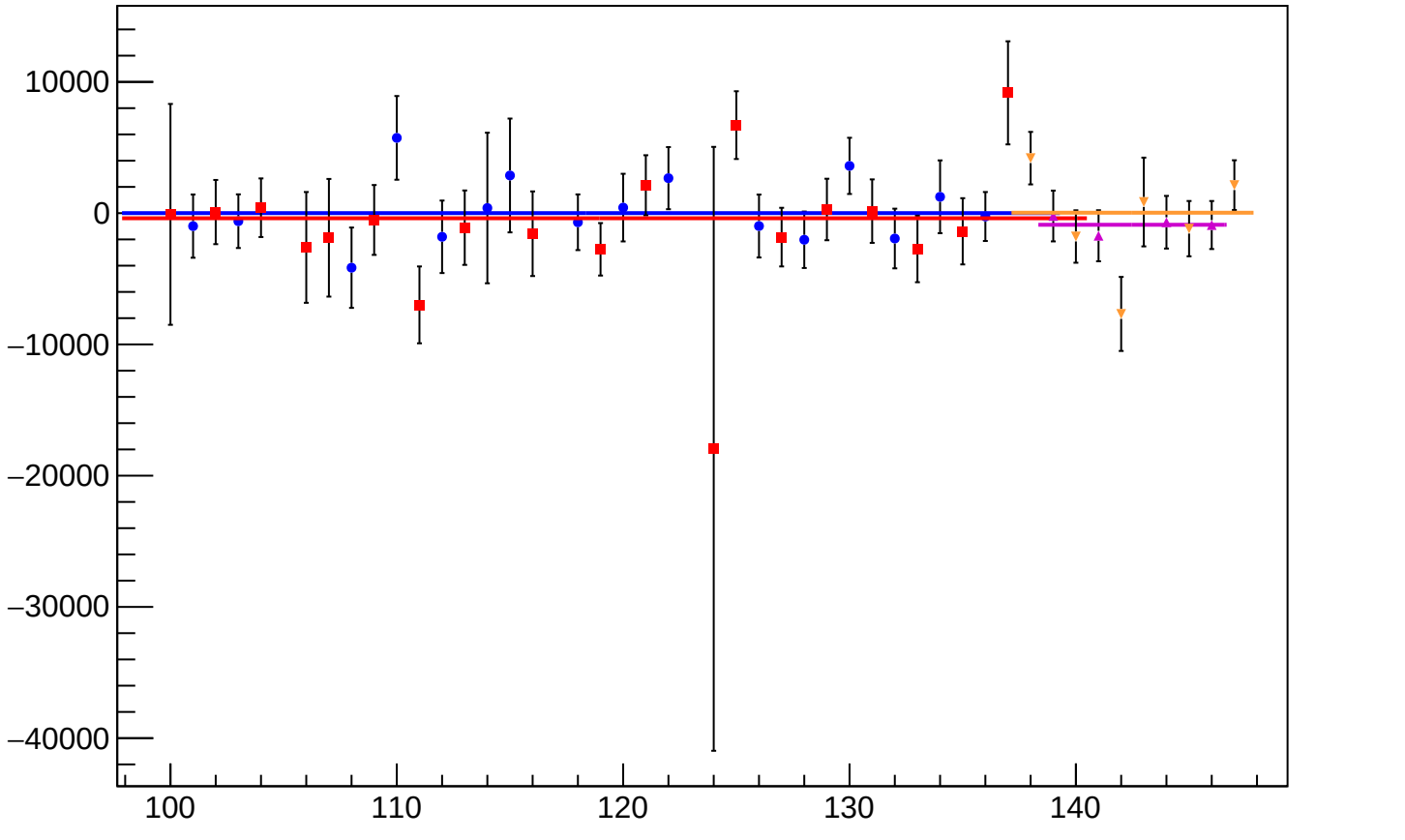
Left: 538.088+/-0.250 χ^2/NDF: 11317034.4/9

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2691.906+/-0.618 χ^2/NDF:2346467.8/19

Out: 413.391+/-0.167 χ^2/NDF:17352926.9/24

All: 569.195+/-0.162 χ^2/NDF: 32359544.3/44



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 33.656+/-906.196 χ^2/NDF:14.2/5

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -884.895+/-962.840 χ^2/NDF:0.3/3

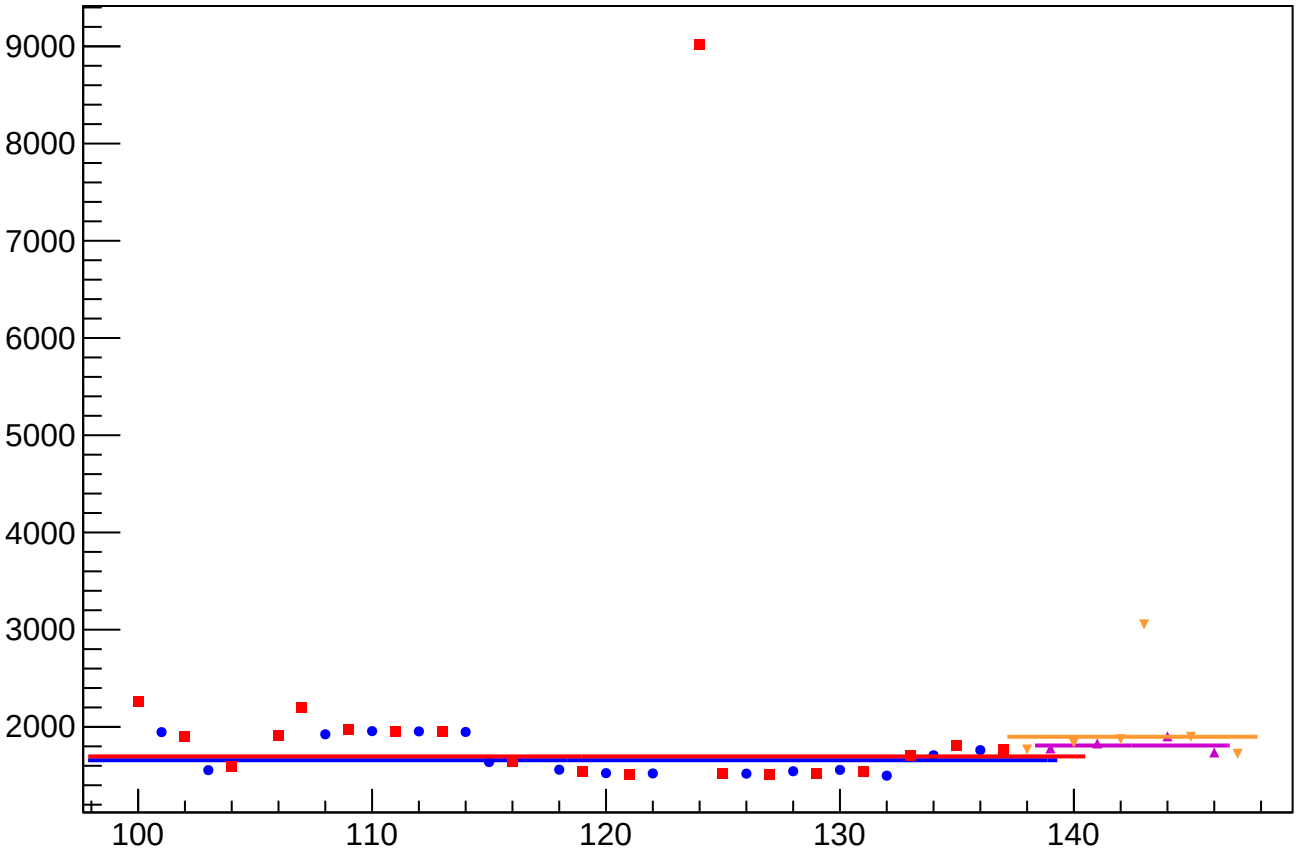
Left: -397.807+/-659.894 χ^2/NDF: 15.0/9

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -256.278+/-521.220 χ^2/NDF:13.4/19

Out: -250.233+/-519.312 χ^2/NDF:38.4/24

All: -253.244+/-367.882 χ^2/NDF: 51.8/44



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1898.538+/-0.641 χ^2/NDF:261882.7/5

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1808.806+/-0.681 χ^2/NDF:8178.9/3

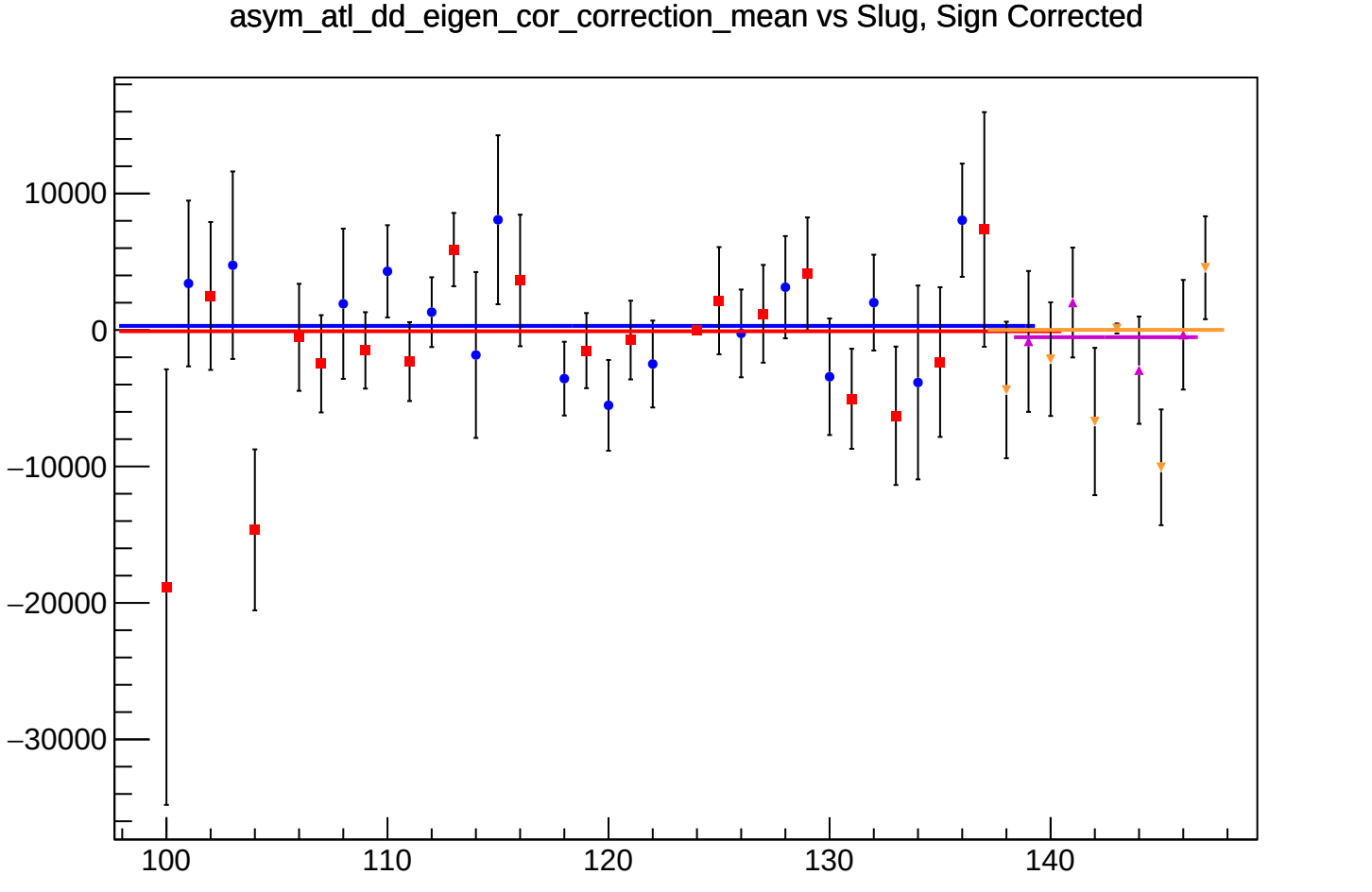
Left: 1856.389+/-0.467 χ^2/NDF: 279272.9/9

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1701.570+/-0.369 χ^2/NDF:187253.5/19

Out: 1762.443+/-0.366 χ^2/NDF:716842.9/24

All: 1732.203+/-0.260 χ^2/NDF: 917824.4/44



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 9.112+/-358.029 χ^2/NDF:9.8/5

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -527.551+/-2104.179 χ^2/NDF:0.8/3

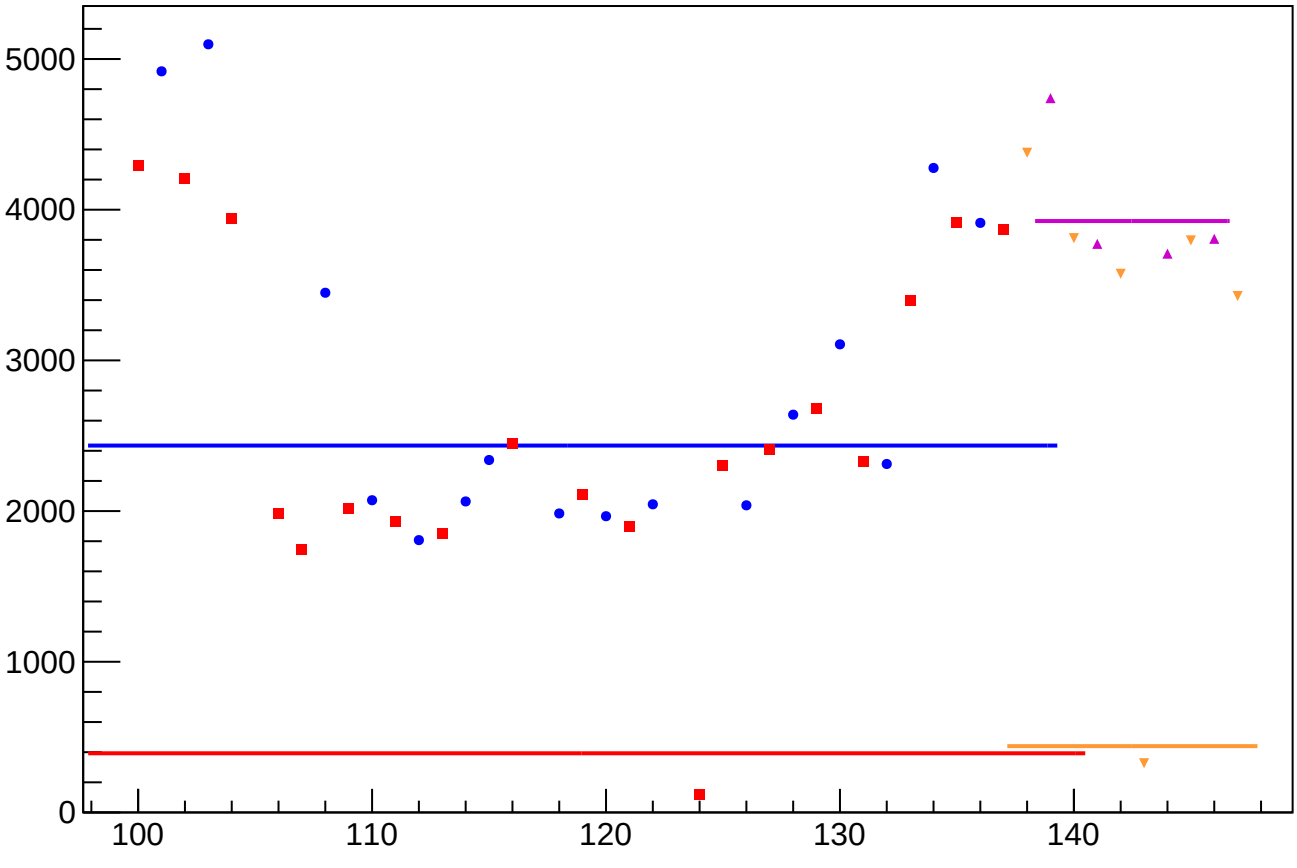
Left: -5.988+/-352.956 χ^2/NDF: 10.6/9

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 158.710+/-874.112 χ^2/NDF:16.2/19

Out: -47.899+/-236.816 χ^2/NDF:30.4/24

All: -33.771+/-228.576 χ^2/NDF: 46.7/44



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 440.036+/-0.253 χ^2/NDF:5925226.9/5

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3924.855+/-1.488 χ^2/NDF:60543.4/3

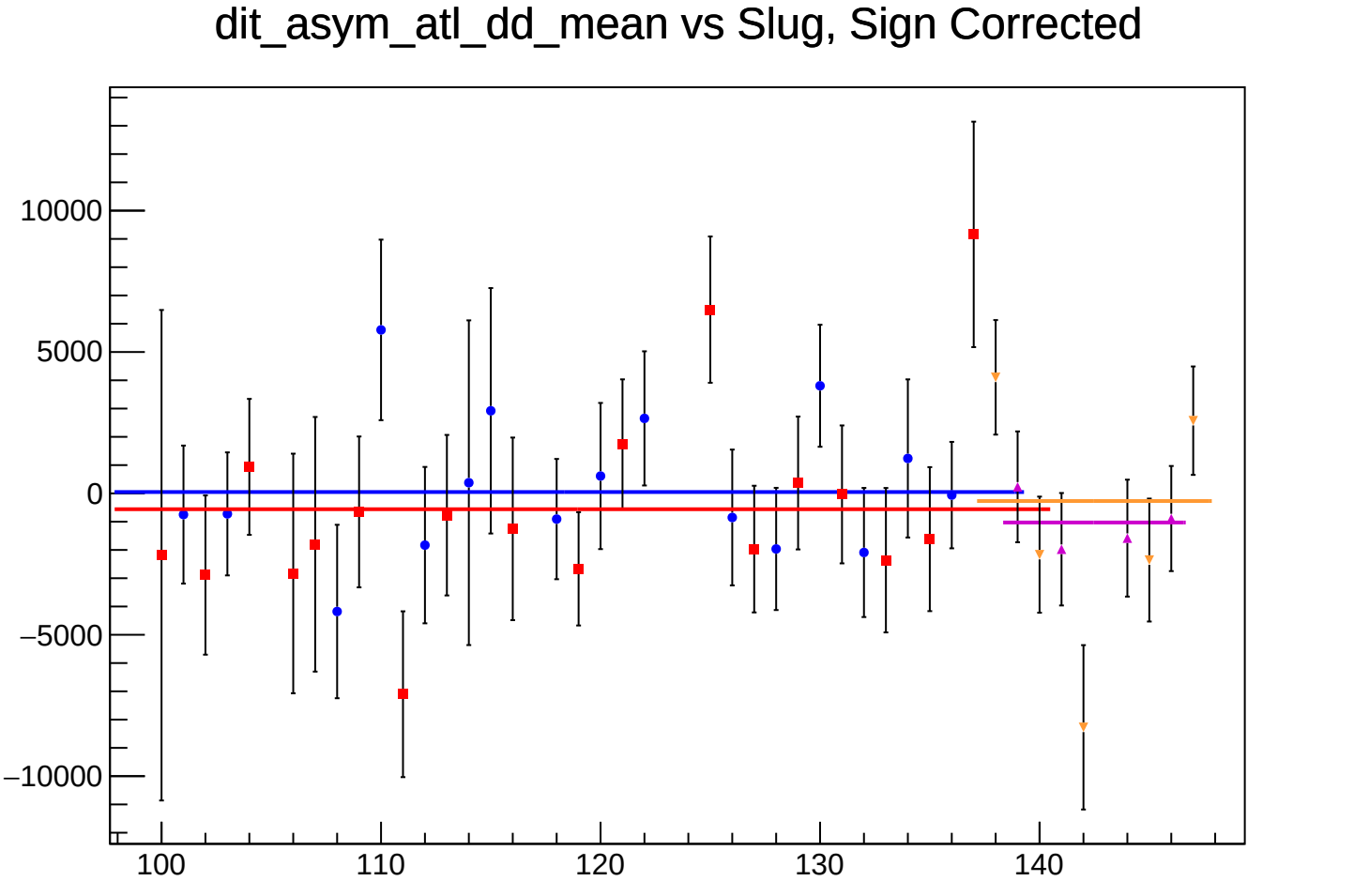
Left: 538.088+/-0.250 χ^2/NDF: 11317034.4/9

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2691.906+/-0.618 χ^2/NDF:2346467.8/19

Out: 413.391+/-0.167 χ^2/NDF:17352926.9/24

All: 569.195+/-0.162 χ^2/NDF: 32359544.3/44



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: -270.086+/-960.887 χ^2/NDF:16.2/4

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -1029.255+/-982.242 χ^2/NDF:0.7/3

Left: -641.329+/-686.875 χ^2/NDF: 17.2/8

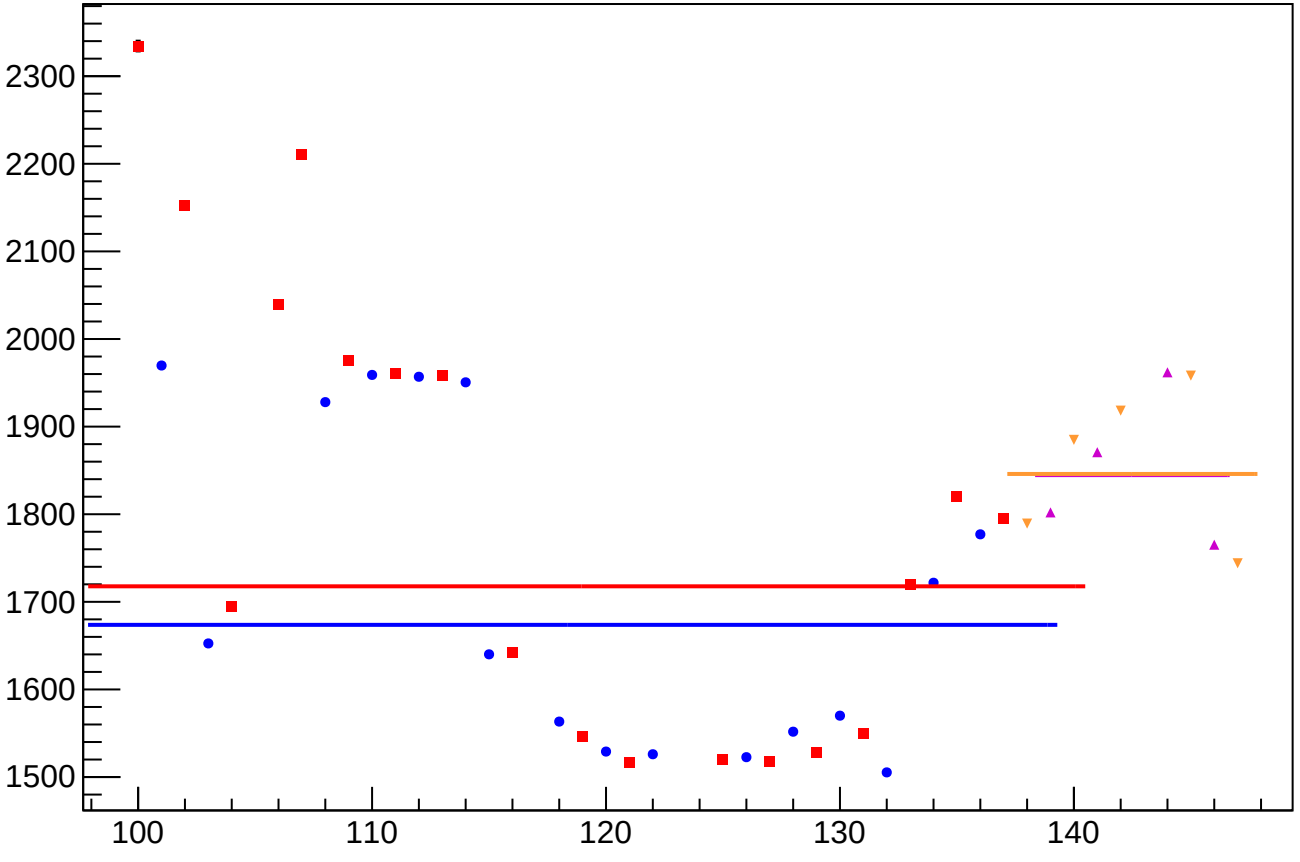
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -263.037+/-527.994 χ^2/NDF:14.4/19

Out: -469.614+/-535.702 χ^2/NDF:39.6/22

All: -364.828+/-376.044 χ^2/NDF: 54.0/42

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1845.962+/-0.679 χ^2/NDF:14509.0/4

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1844.655+/-0.695 χ^2/NDF:11378.8/3

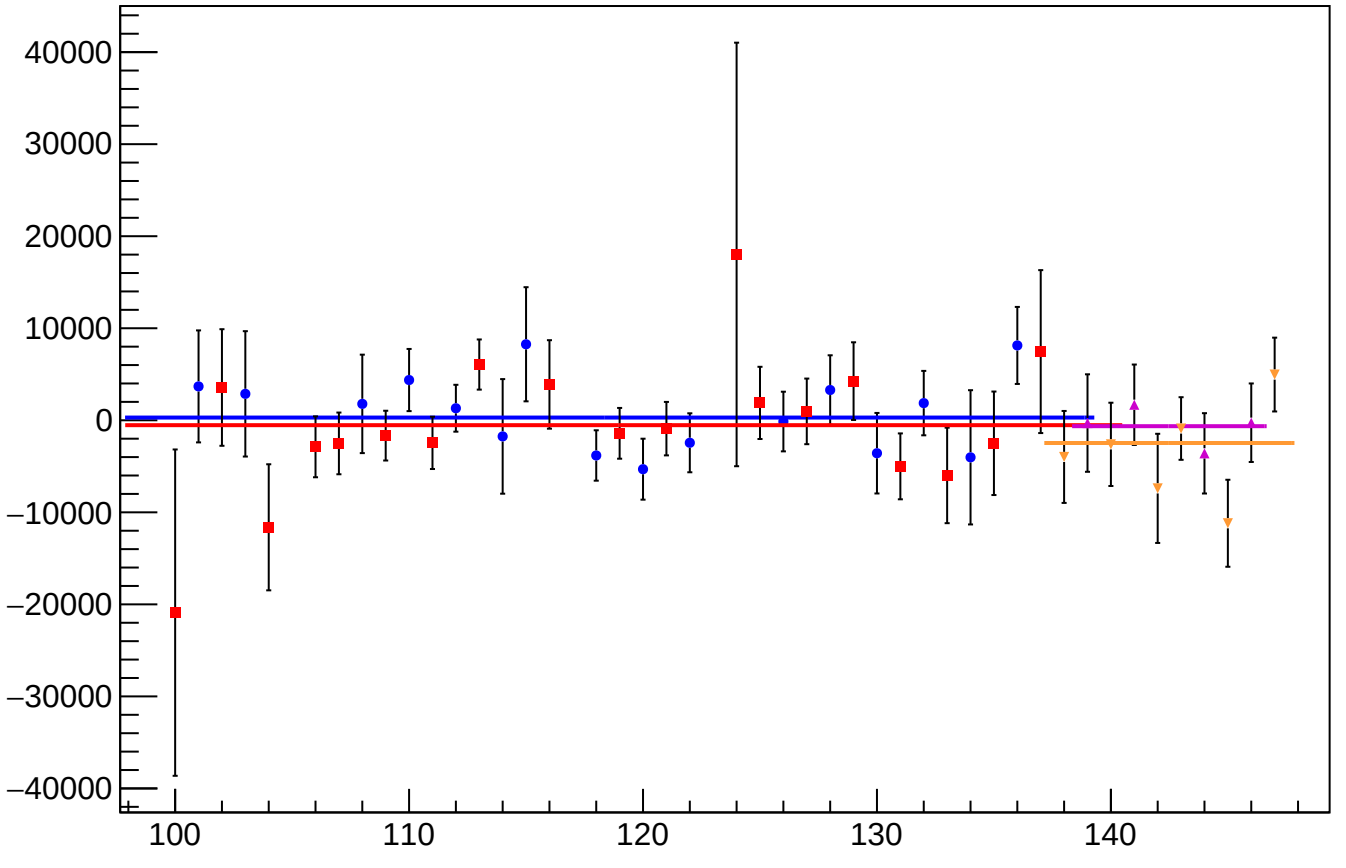
Left: 1845.323+/-0.486 χ^2/NDF: 25889.6/8

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1723.118+/-0.373 χ^2/NDF:195315.7/19

Out: 1757.448+/-0.378 χ^2/NDF:266740.6/22

All: 1740.061+/-0.266 χ^2/NDF: 466229.4/42



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -2467.767+/-1793.878 χ^2/NDF:7.8/5

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -640.685+/-2261.434 χ^2/NDF:0.8/3

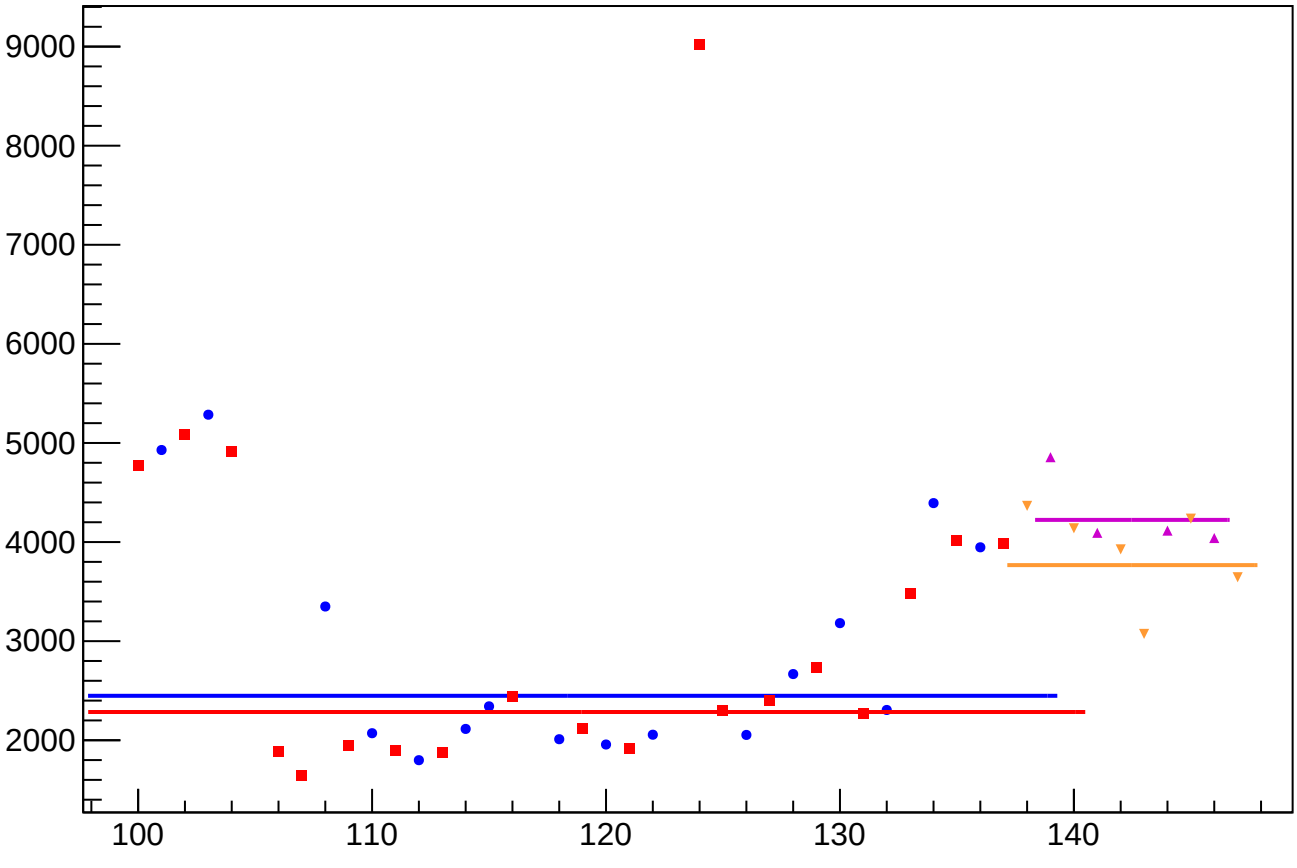
Left: -1762.116+/-1405.400 χ^2/NDF: 9.0/9

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 152.231+/-887.318 χ^2/NDF:16.2/19

Out: -909.410+/-792.926 χ^2/NDF:27.5/24

All: -438.042+/-591.249 χ^2/NDF: 44.5/44



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3767.368+/-1.268 χ^2/NDF:148425.0/5

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4223.739+/-1.599 χ^2/NDF:35242.8/3

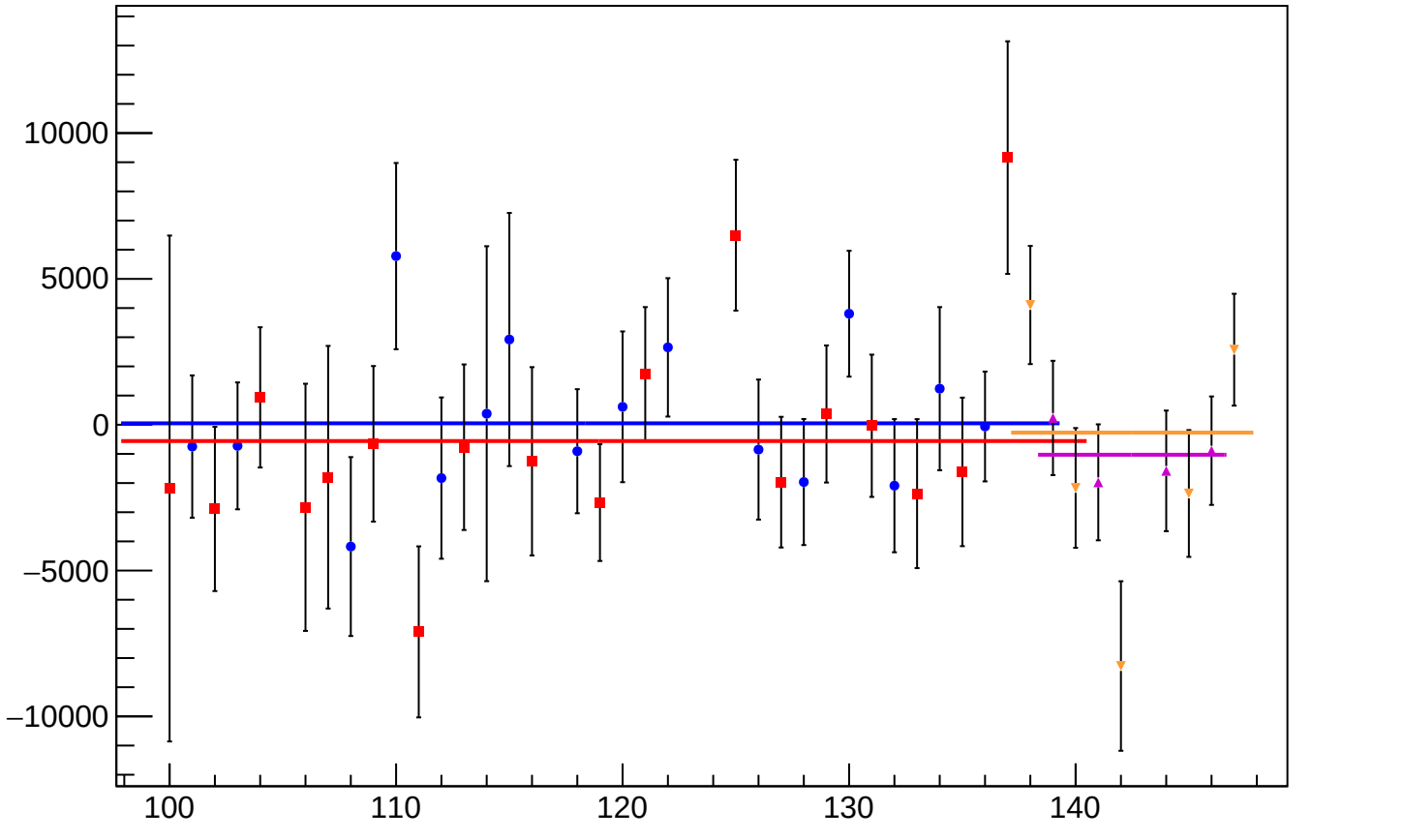
Left: 3943.627+/-0.994 χ^2/NDF: 233661.1/9

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2721.888+/-0.627 χ^2/NDF:2595438.7/19

Out: 2574.685+/-0.561 χ^2/NDF:2796006.4/24

All: 2640.043+/-0.418 χ^2/NDF: 5422049.3/44



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: -270.097+/-960.888 χ^2/NDF:16.2/4

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -1029.260+/-982.242 χ^2/NDF:0.7/3

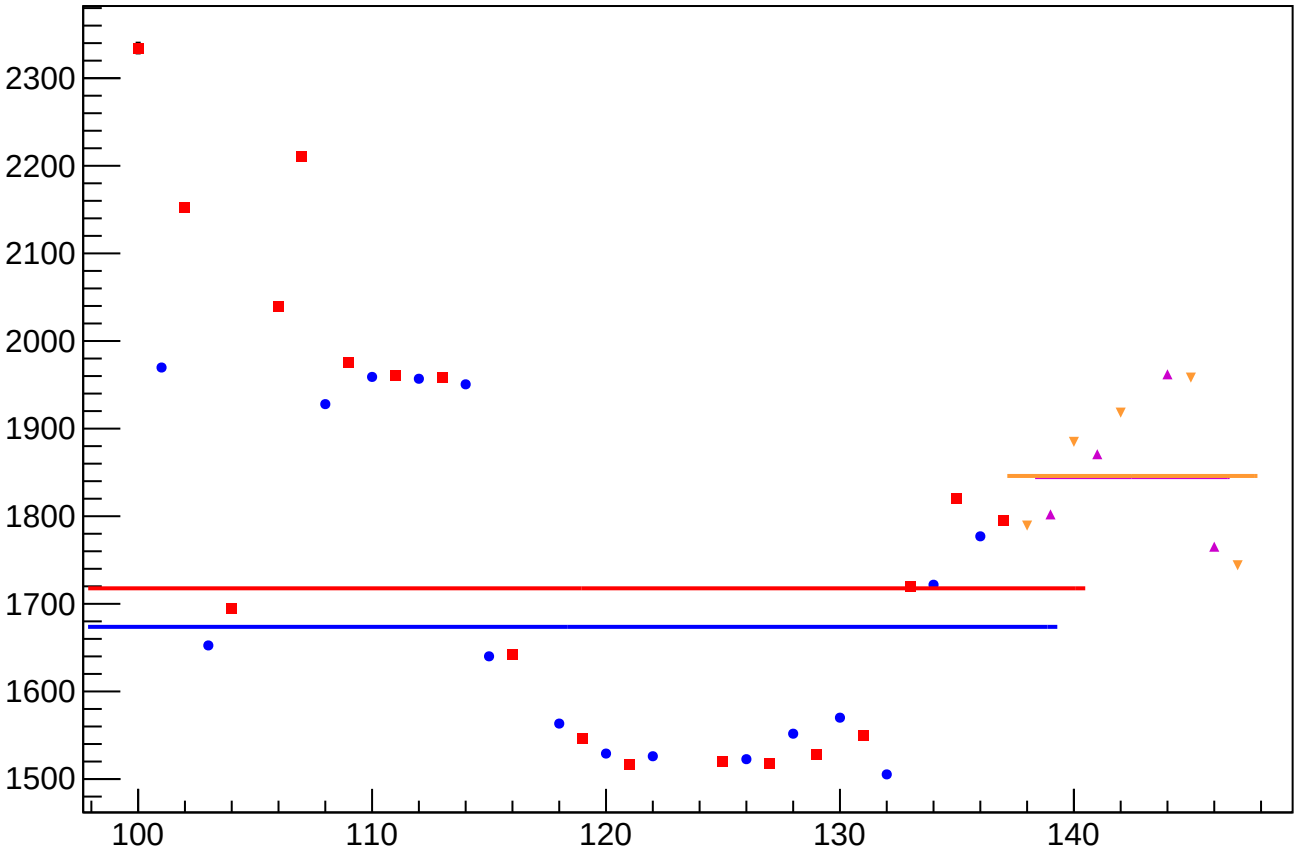
Left: -641.336+/-686.876 χ^2/NDF: 17.2/8

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -263.039+/-527.994 χ^2/NDF:14.4/19

Out: -469.618+/-535.702 χ^2/NDF:39.6/22

All: -364.832+/-376.044 χ^2/NDF: 54.0/42



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1845.963+/-0.679 χ^2/NDF:14509.3/4

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1844.656+/-0.695 χ^2/NDF:11378.9/3

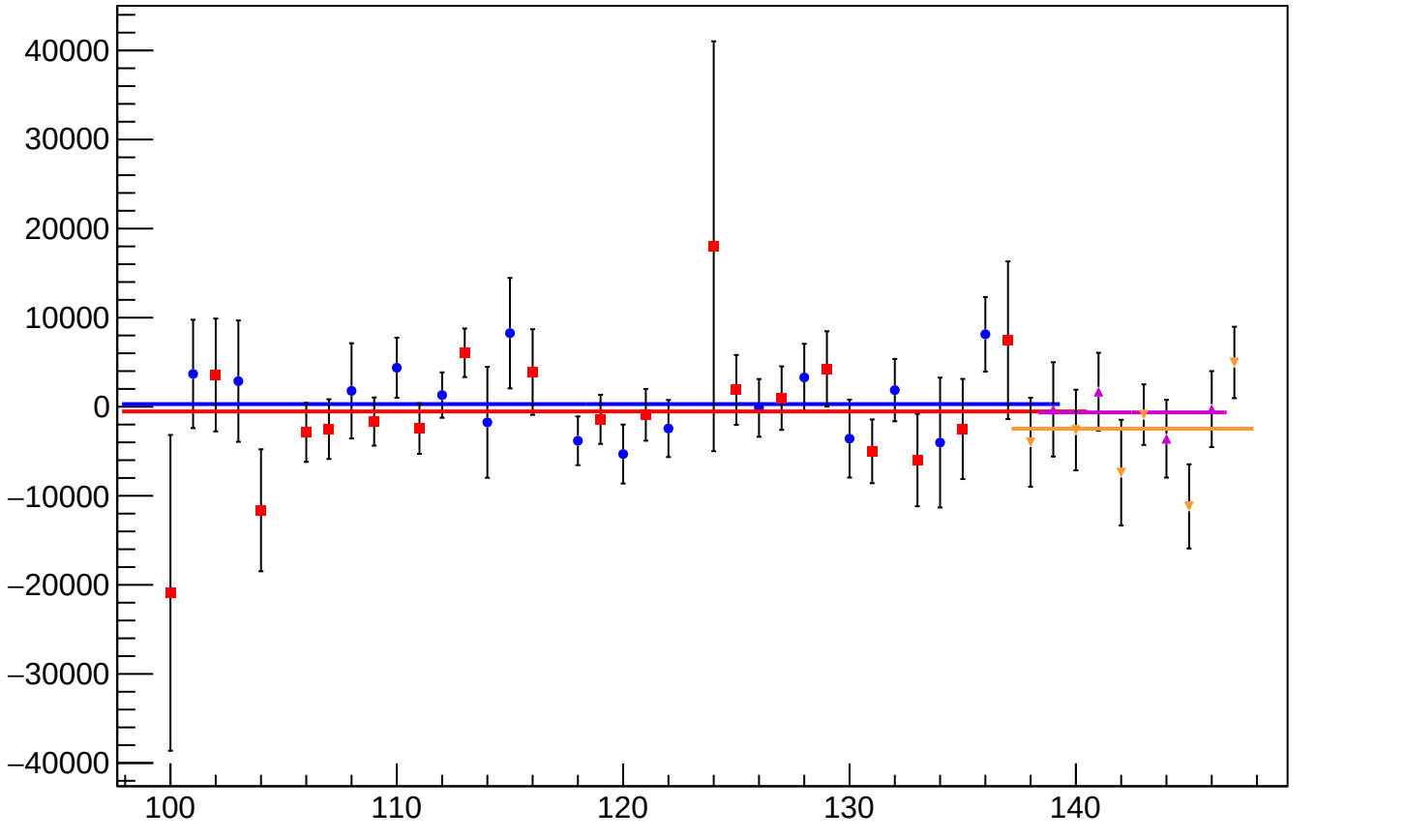
Left: 1845.324+/-0.486 χ^2/NDF: 25890.1/8

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1723.118+/-0.373 χ^2/NDF:195316.5/19

Out: 1757.448+/-0.378 χ^2/NDF:266740.6/22

All: 1740.062+/-0.266 χ^2/NDF: 466230.2/42



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -2467.765+/-1793.881 χ^2/NDF:7.8/5

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -640.687+/-2261.439 χ^2/NDF:0.8/3

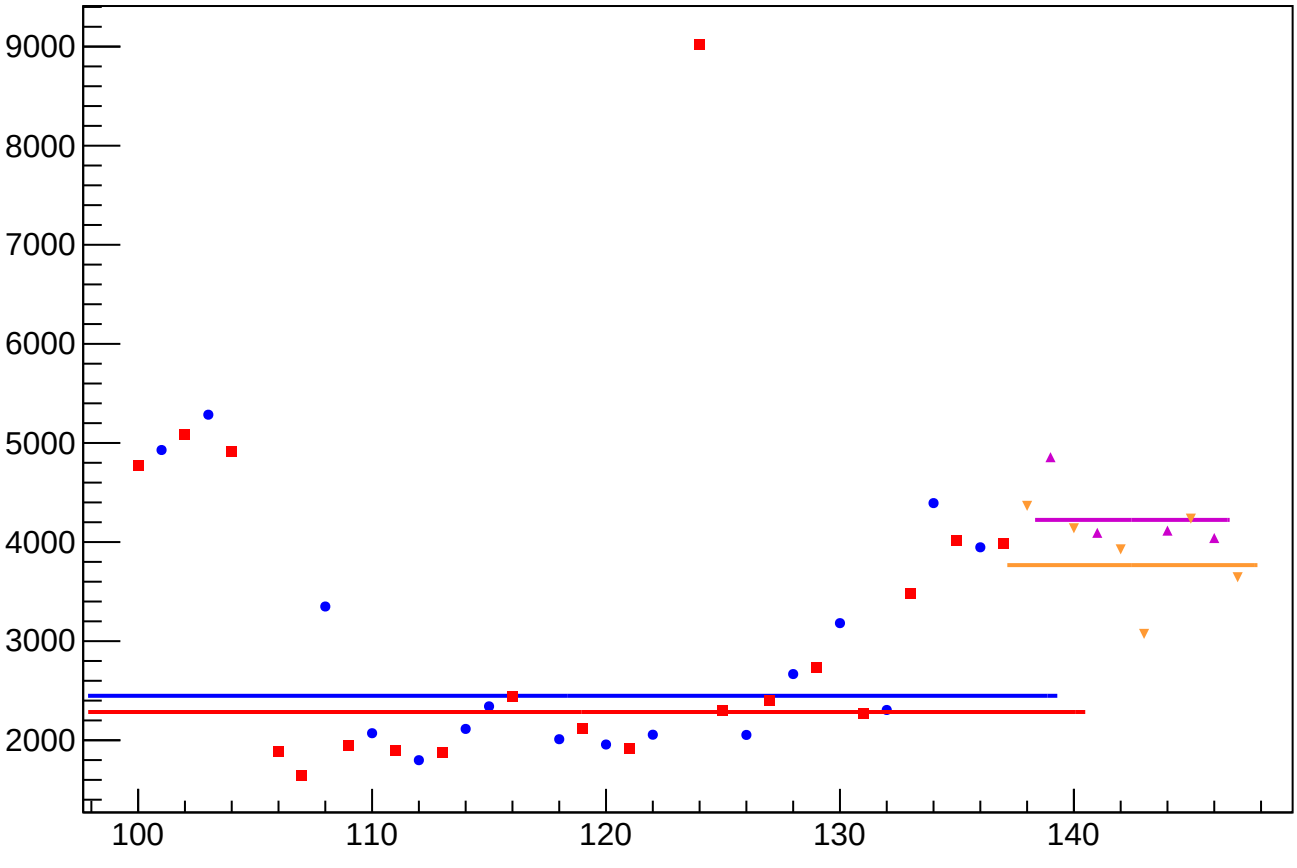
Left: -1762.115+/-1405.403 χ^2/NDF: 9.0/9

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 152.227+/-887.315 χ^2/NDF:16.2/19

Out: -909.408+/-792.924 χ^2/NDF:27.5/24

All: -438.043+/-591.247 χ^2/NDF: 44.5/44



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3767.373+/-1.268 χ^2/NDF:148428.0/5

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4223.748+/-1.599 χ^2/NDF:35243.7/3

Left: 3943.633+/-0.994 χ^2/NDF: 233665.6/9

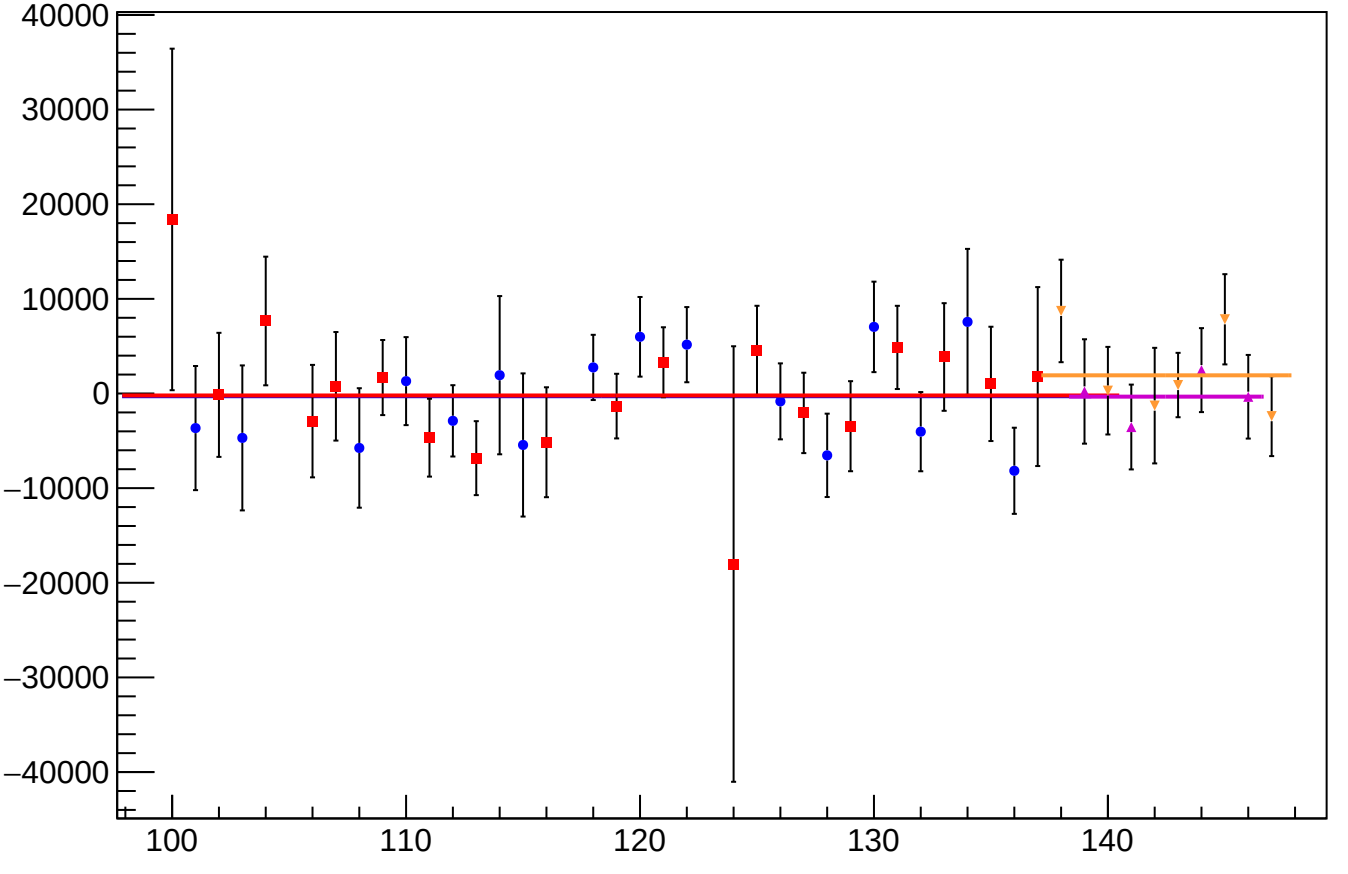
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2721.877+/-0.627 χ^2/NDF:2595472.5/19

Out: 2574.676+/-0.561 χ^2/NDF:2796036.6/24

All: 2640.033+/-0.418 χ^2/NDF: 5422112.6/44

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1920.851+/-1843.731 χ^2/NDF:4.7/5

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: -332.172+/-2326.877 χ^2/NDF:0.9/3

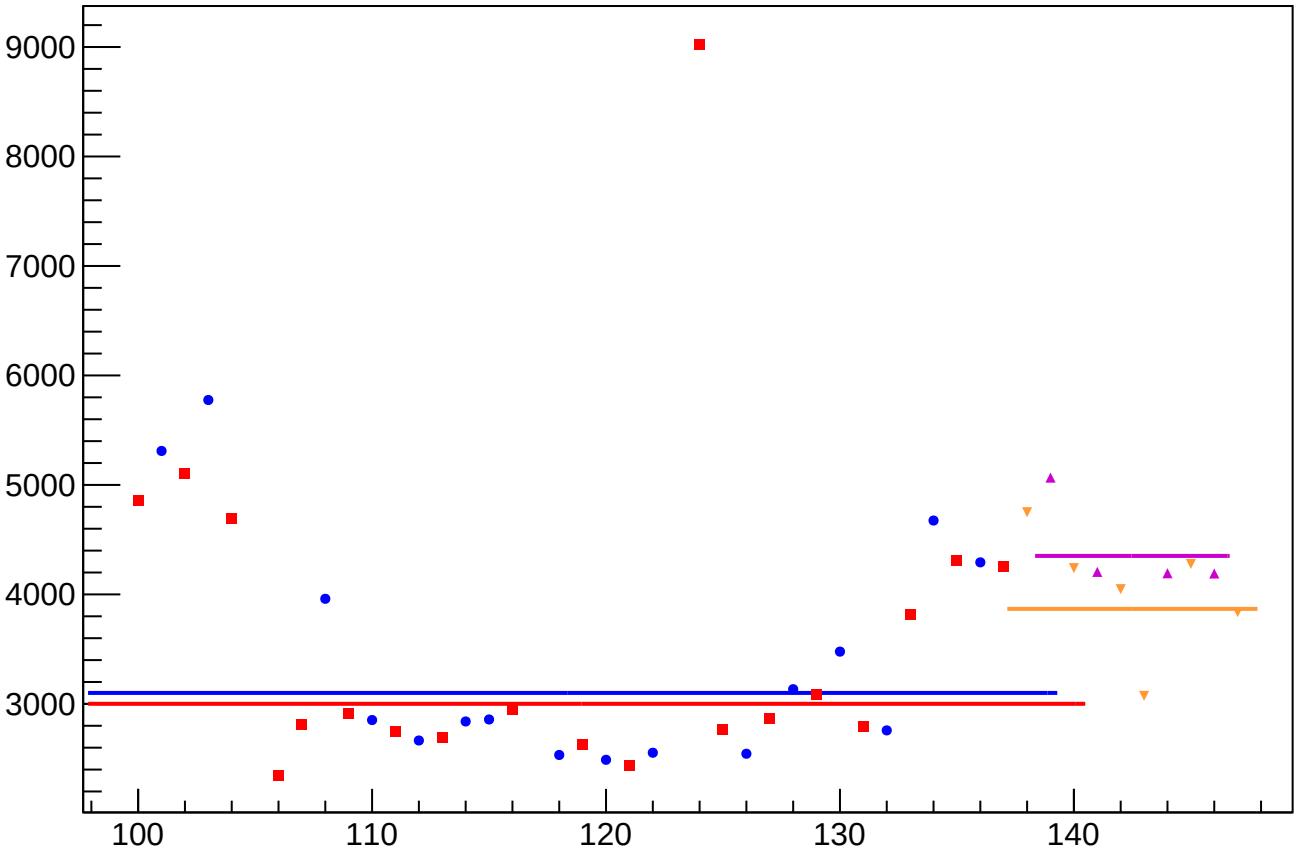
Left: 1051.886+/-1445.080 χ^2/NDF: 6.2/9

Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -296.675+/-1064.656 χ^2/NDF:17.5/19

Out: 389.986+/-978.035 χ^2/NDF:18.5/24

All: 75.722+/-720.254 χ^2/NDF: 36.2/44



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3867.886+/-1.304 χ^2/NDF:191893.8/5

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4351.601+/-1.645 χ^2/NDF:40943.5/3

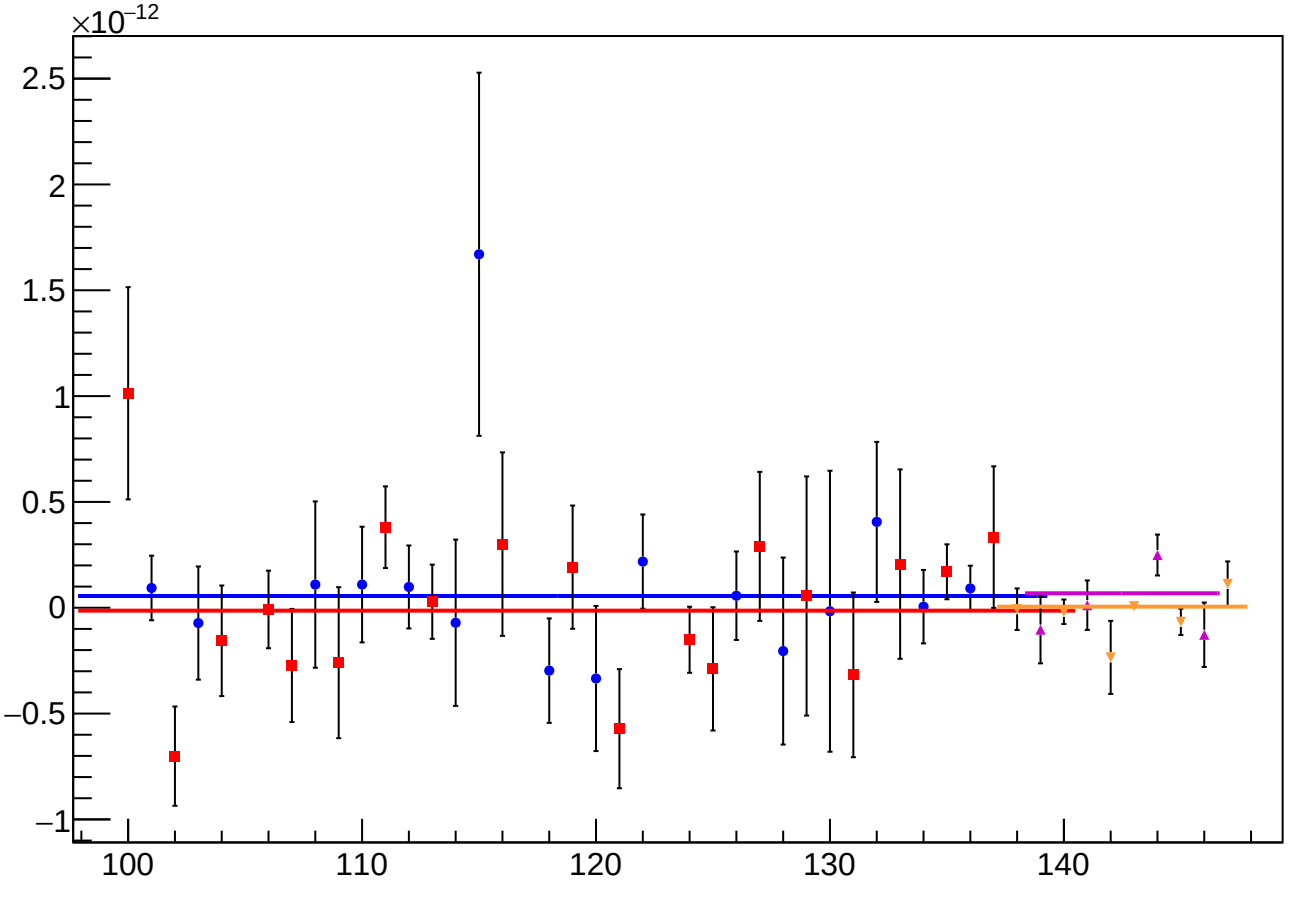
Left: 4054.449+/-1.022 χ^2/NDF: 285931.9/9

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3362.128+/-0.753 χ^2/NDF:1462023.7/19

Out: 3240.019+/-0.685 χ^2/NDF:1318819.8/24

All: 3295.311+/-0.507 χ^2/NDF: 2795239.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/3

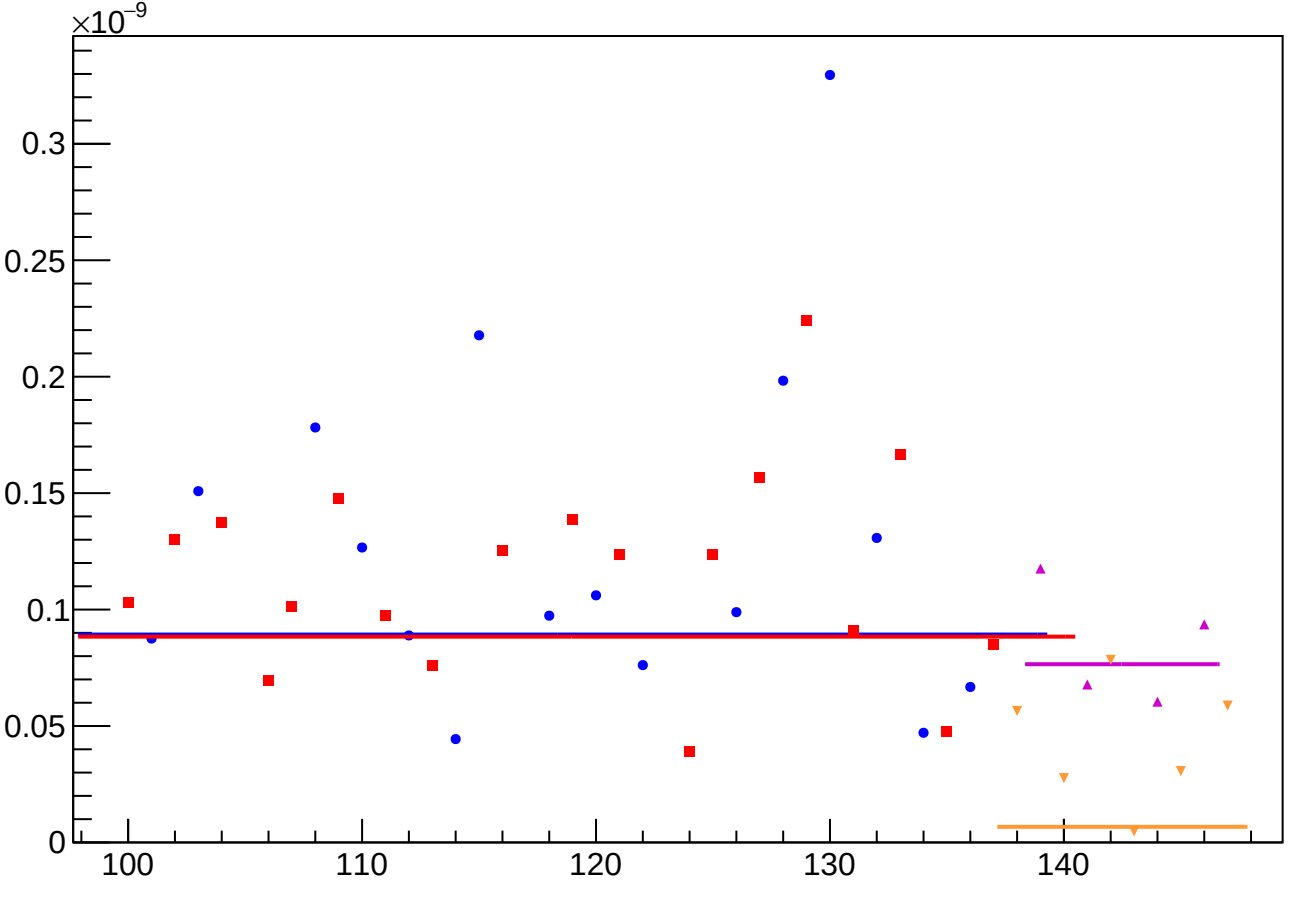
Left: 0.000+/-0.000 χ^2/NDF: 12.1/9

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:15.9/19

Out: 0.000+/-0.000 χ^2/NDF:34.7/24

All: 0.000+/-0.000 χ^2/NDF: 52.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1994901.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:224781.6/3

Left: 0.000+/-0.000 χ^2/NDF: 4733878.8/9

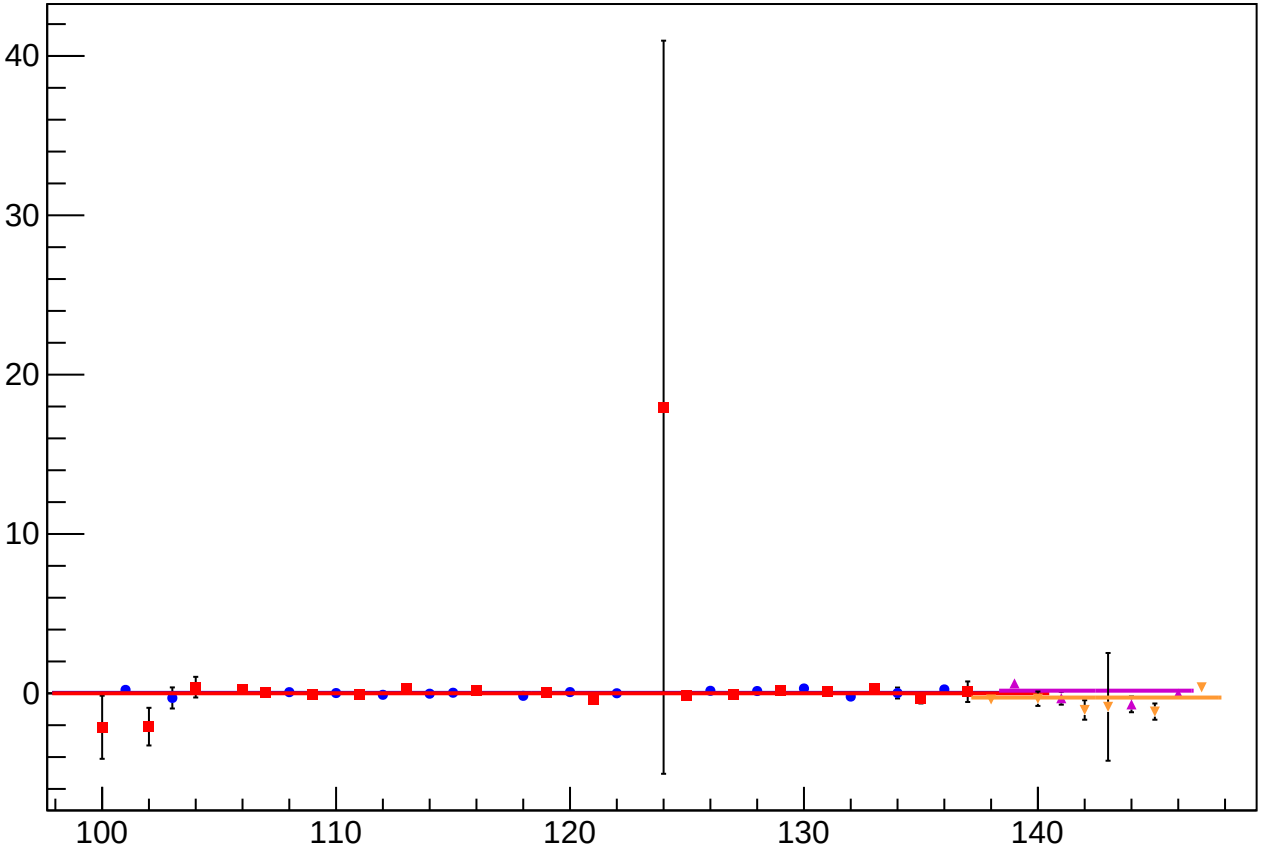
Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1220730.8/19

Out: 0.000+/-0.000 χ^2/NDF:7196165.5/24

All: 0.000+/-0.000 χ^2/NDF: 14607626.8/44

asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.166+/-0.158 χ^2/NDF:8.7/3

Left: -0.034+/-0.116 χ^2/NDF: 21.7/9

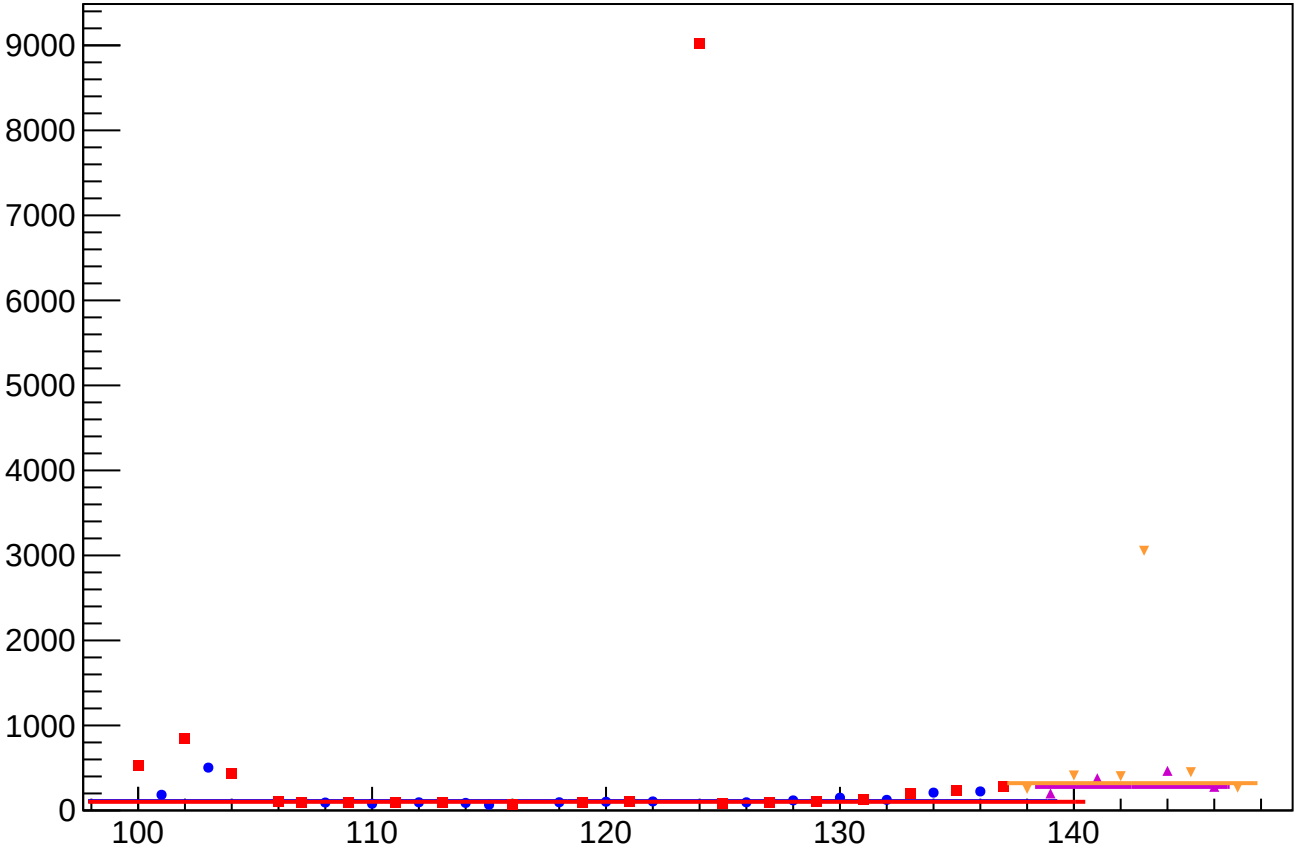
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.044 χ^2/NDF:18.2/19

Out: -0.013+/-0.042 χ^2/NDF:34.3/24

All: 0.012+/-0.030 χ^2/NDF: 53.2/44

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: 321.051+/-0.120 χ^2/NDF:1719919.0/5

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.849+/-0.112 χ^2/NDF:639118.7/3

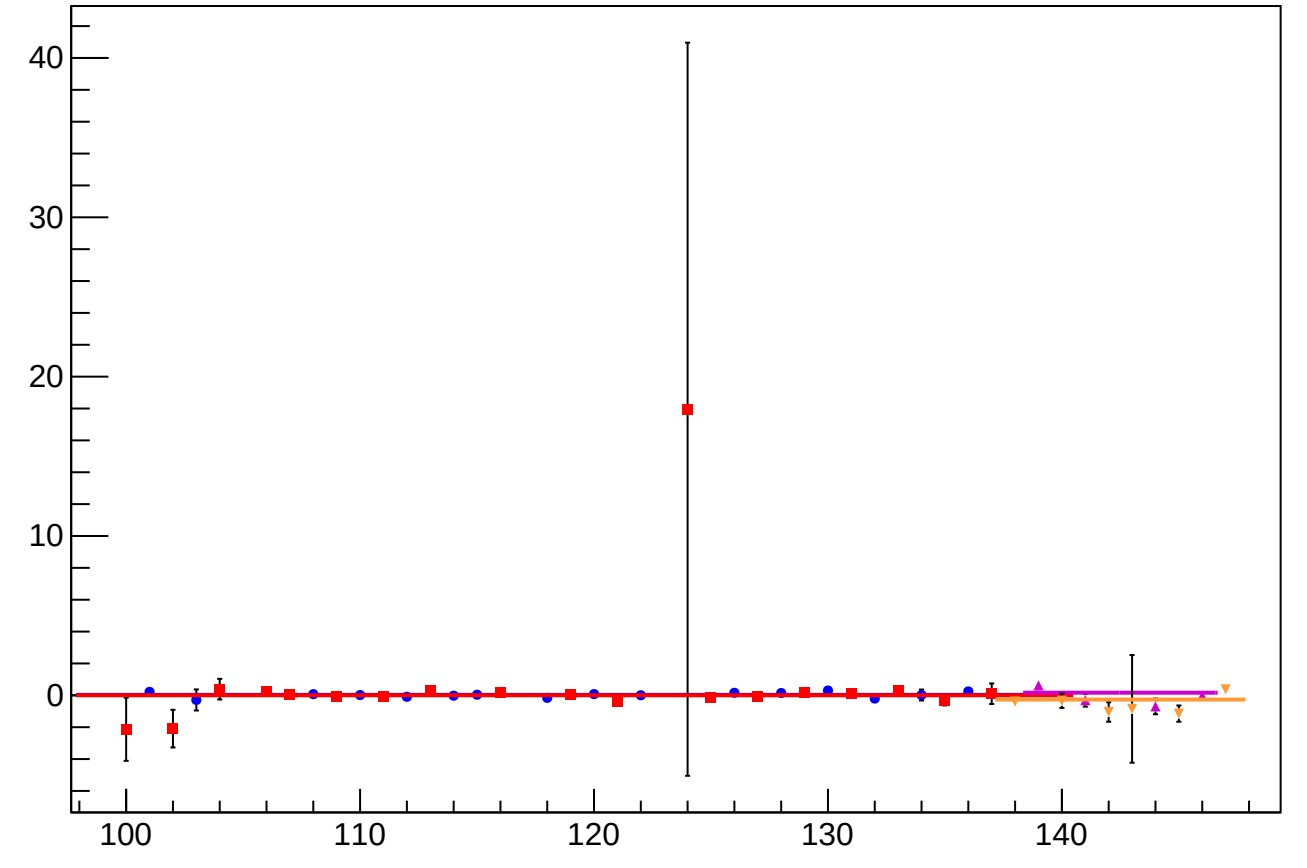
Left: 297.392+/-0.082 χ^2/NDF: 2431437.6/9

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 122.607+/-0.031 χ^2/NDF:4621791.7/19

Out: 115.252+/-0.030 χ^2/NDF:7432758.7/24

All: 118.798+/-0.021 χ^2/NDF: 12084084.8/44



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.166+/-0.158 χ^2/NDF:8.7/3

Left: -0.034+/-0.116 χ^2/NDF: 21.7/9

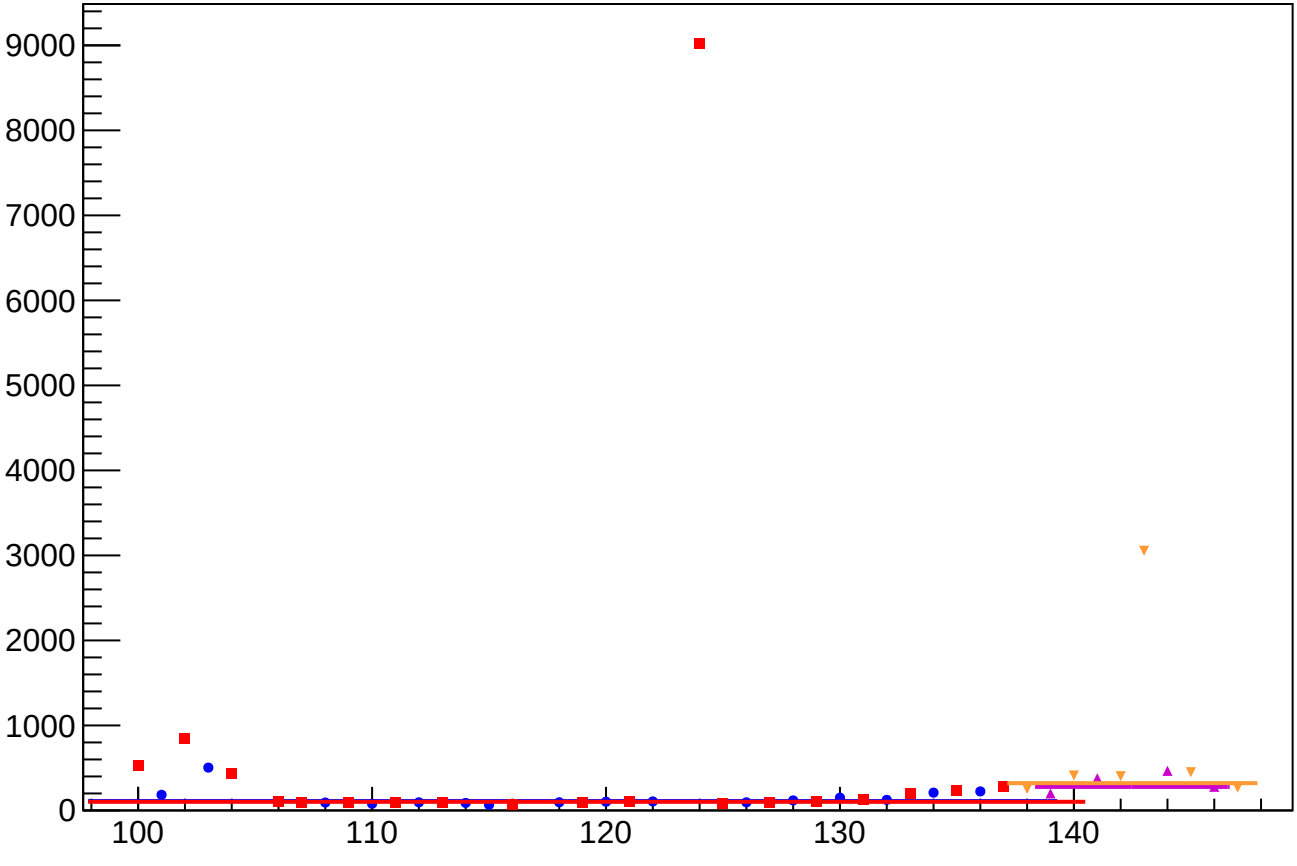
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.044 χ^2/NDF:18.2/19

Out: -0.013+/-0.042 χ^2/NDF:34.3/24

All: 0.012+/-0.030 χ^2/NDF: 53.2/44

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: 321.051+/-0.120 χ^2/NDF:1719919.0/5

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 276.849+/-0.112 χ^2/NDF:639118.7/3

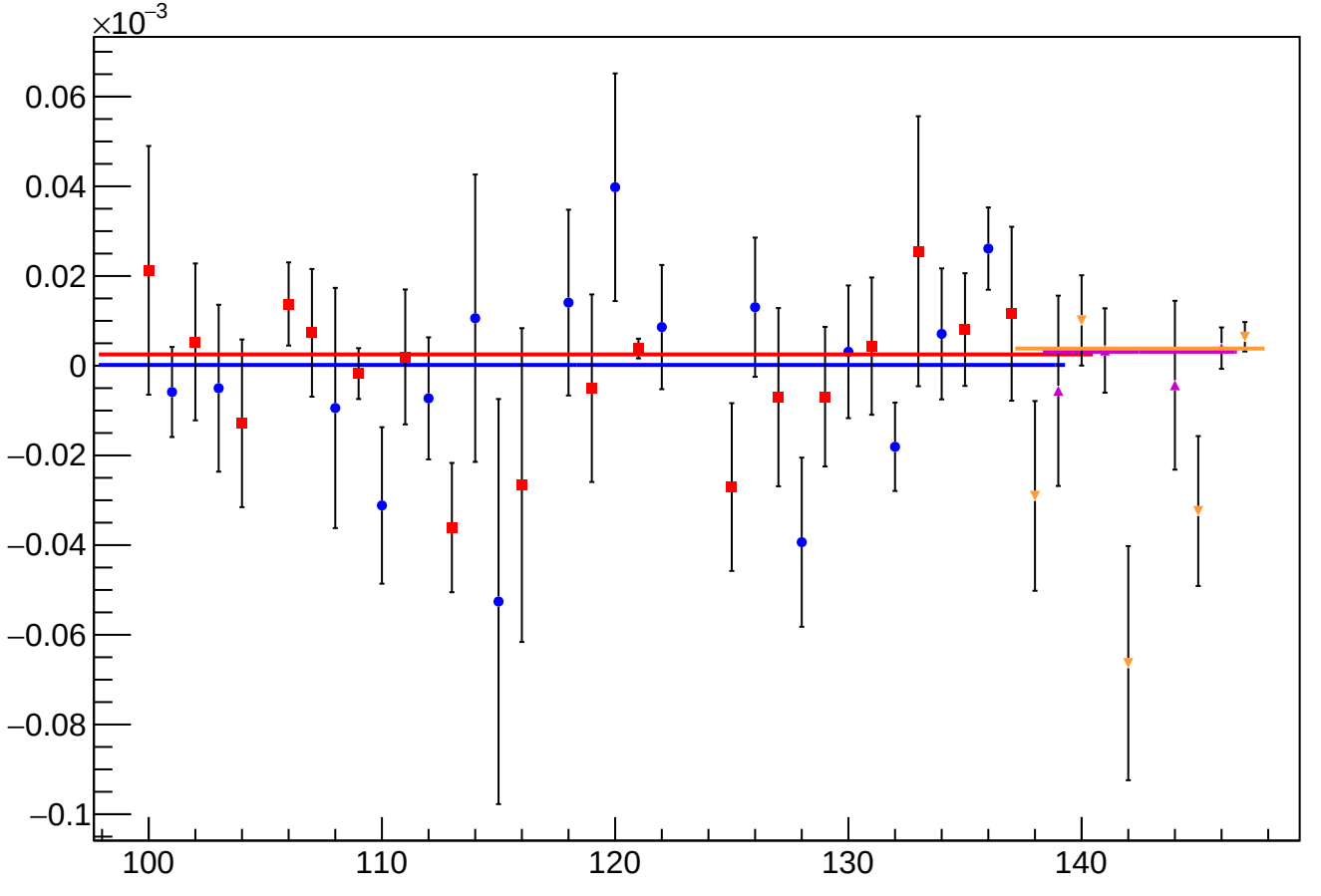
Left: 297.392+/-0.082 χ^2/NDF: 2431437.6/9

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 122.607+/-0.031 χ^2/NDF:4621791.7/19

Out: 115.252+/-0.030 χ^2/NDF:7432758.7/24

All: 118.798+/-0.021 χ^2/NDF: 12084084.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:0.4/3

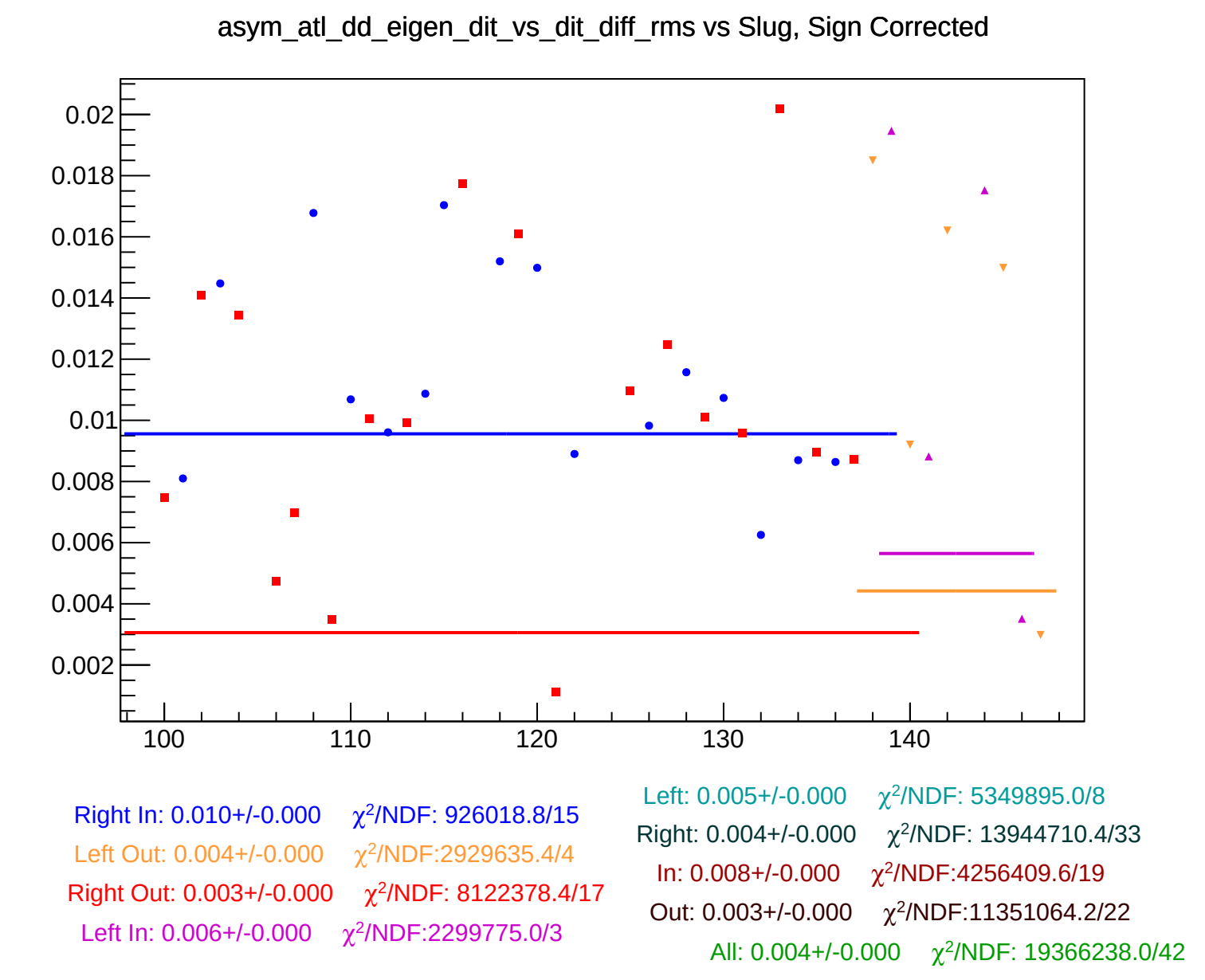
Left: 0.000+/-0.000 χ^2/NDF: 15.7/8

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

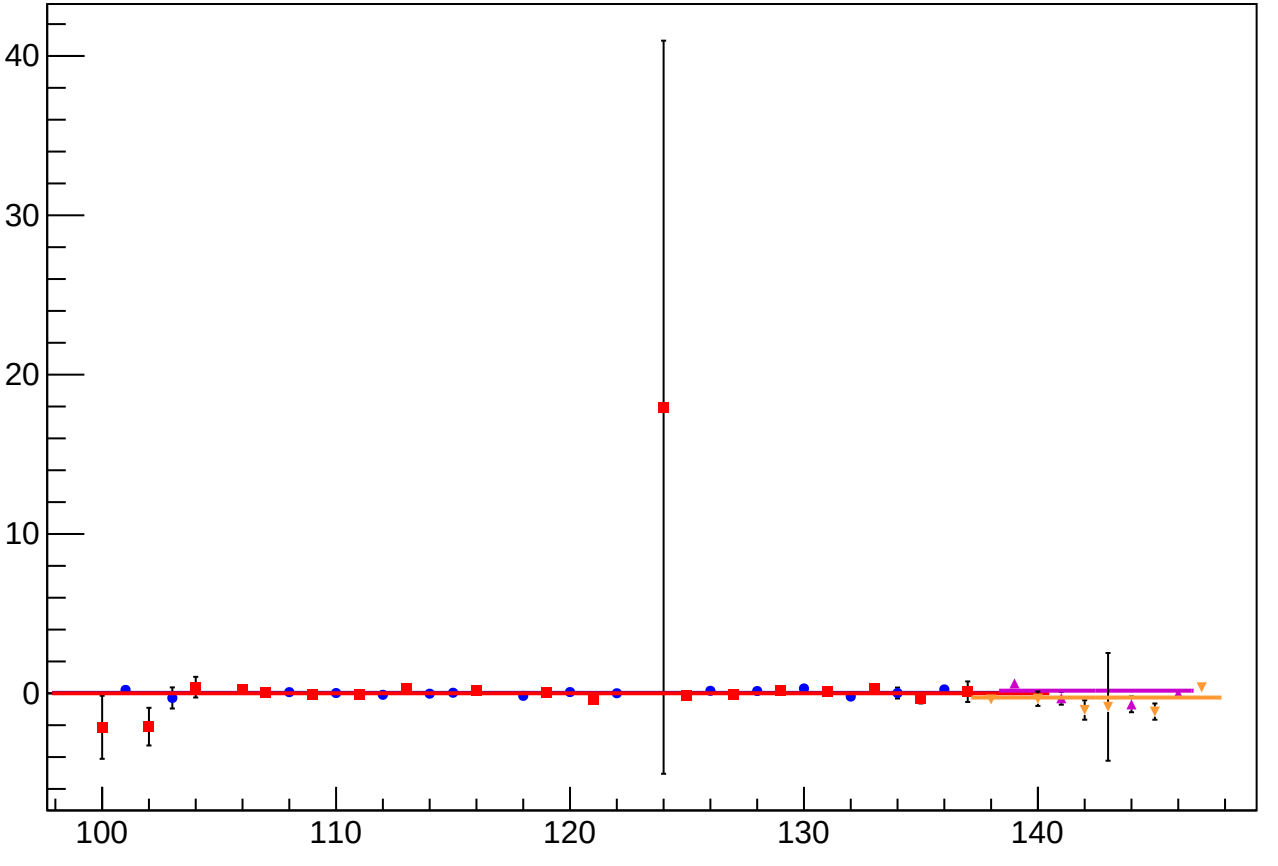
In: 0.000+/-0.000 χ^2/NDF:26.2/19

Out: 0.000+/-0.000 χ^2/NDF:31.3/22

All: 0.000+/-0.000 χ^2/NDF: 57.7/42


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:2929635.4/4
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.006+/-0.000 χ²/NDF:2299775.0/3
Left: 0.005+/-0.000 χ²/NDF: 5349895.0/8
Right: 0.004+/-0.000 χ²/NDF: 13944710.4/33
In: 0.008+/-0.000 χ²/NDF:4256409.6/19
Out: 0.003+/-0.000 χ²/NDF:11351064.2/22
All: 0.004+/-0.000 χ²/NDF: 19366238.0/42

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.166+/-0.158 χ^2/NDF:8.7/3

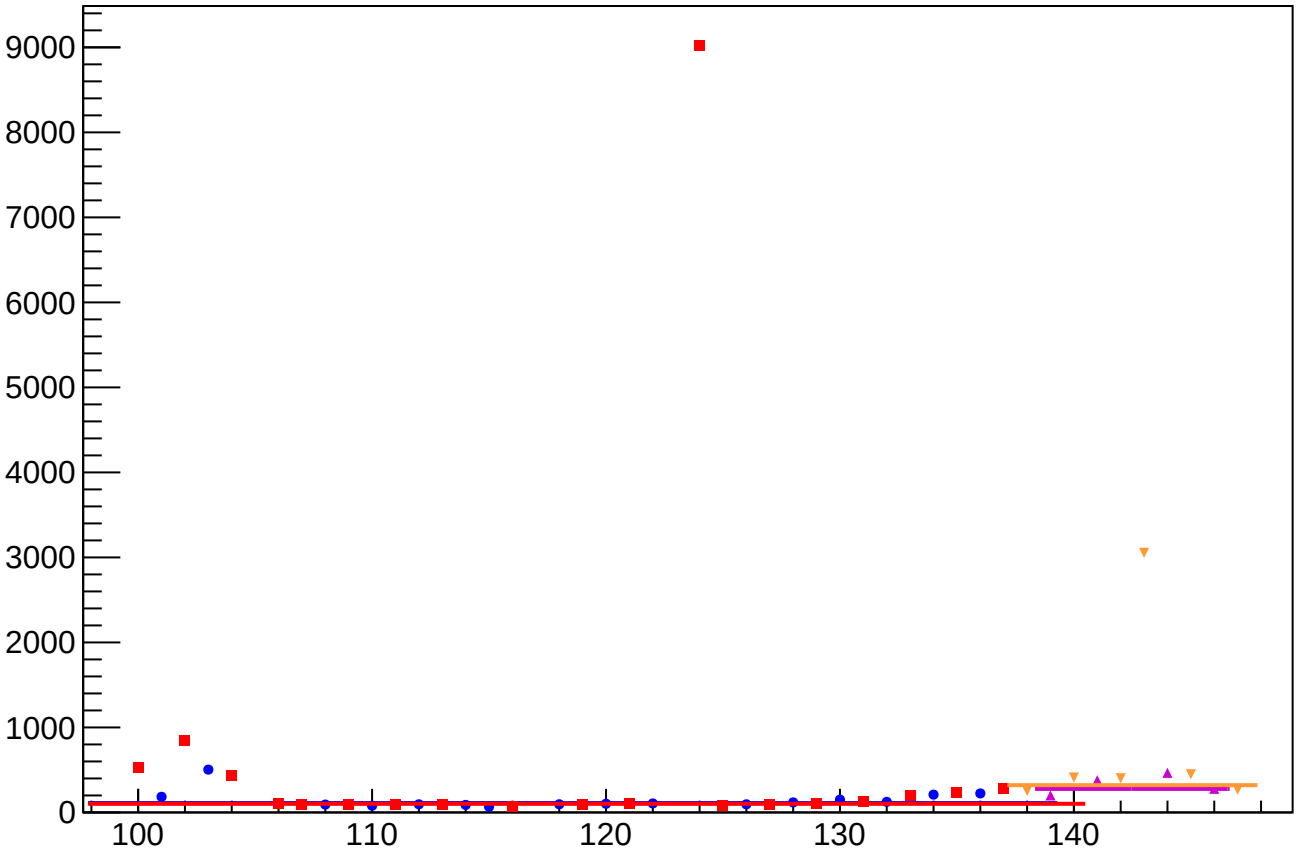
Left: -0.034+/-0.116 χ^2/NDF: 21.7/9

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.044 χ^2/NDF:18.2/19

Out: -0.013+/-0.042 χ^2/NDF:34.3/24

All: 0.012+/-0.030 χ^2/NDF: 53.2/44



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 321.053+/-0.120 χ^2/NDF:1719940.4/5

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.855+/-0.112 χ^2/NDF:639093.5/3

Left: 297.396+/-0.082 χ^2/NDF: 2431421.5/9

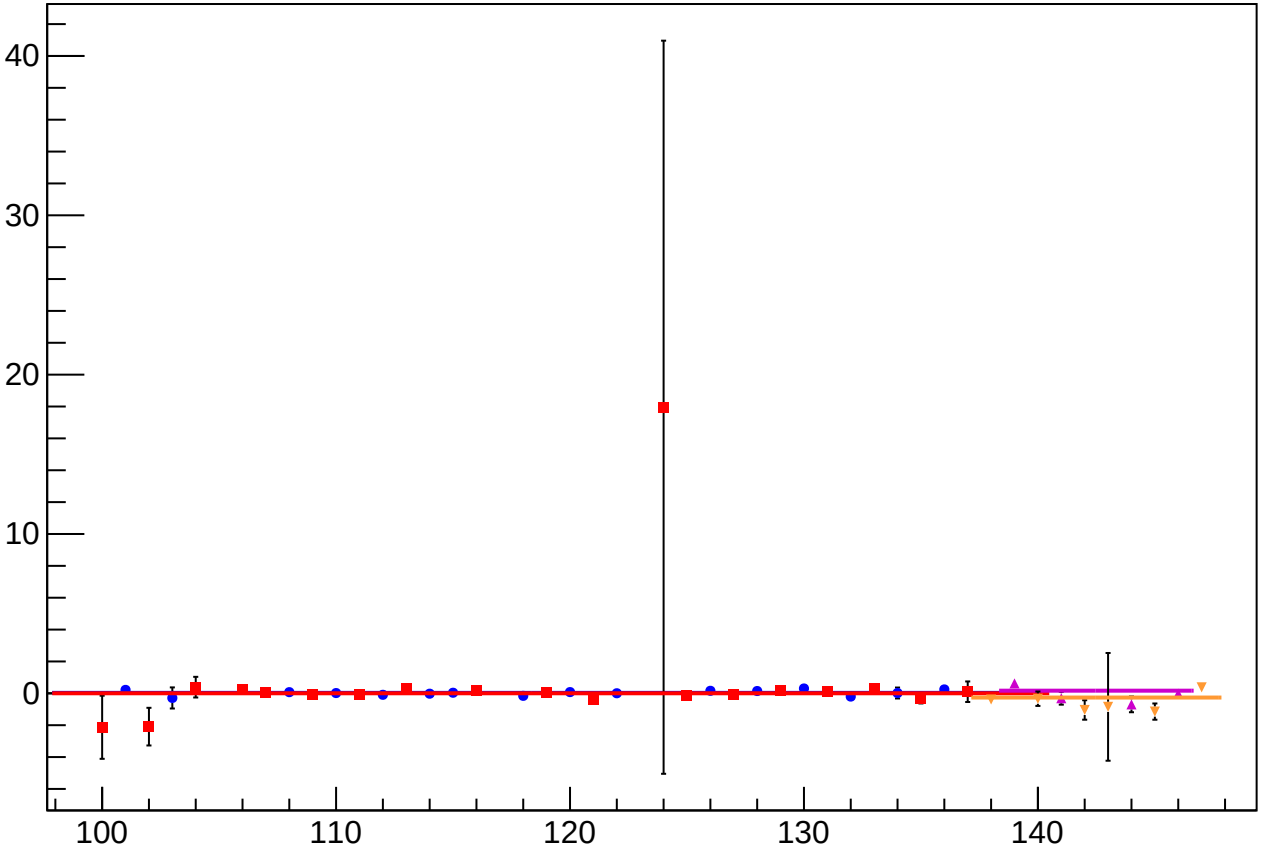
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 122.608+/-0.031 χ^2/NDF:4621743.9/19

Out: 115.254+/-0.030 χ^2/NDF:7432680.6/24

All: 118.799+/-0.021 χ^2/NDF: 12083955.2/44

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: -0.265+/-0.170 χ^2/NDF:9.5/5

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.166+/-0.158 χ^2/NDF:8.7/3

Left: -0.034+/-0.116 χ^2/NDF: 21.7/9

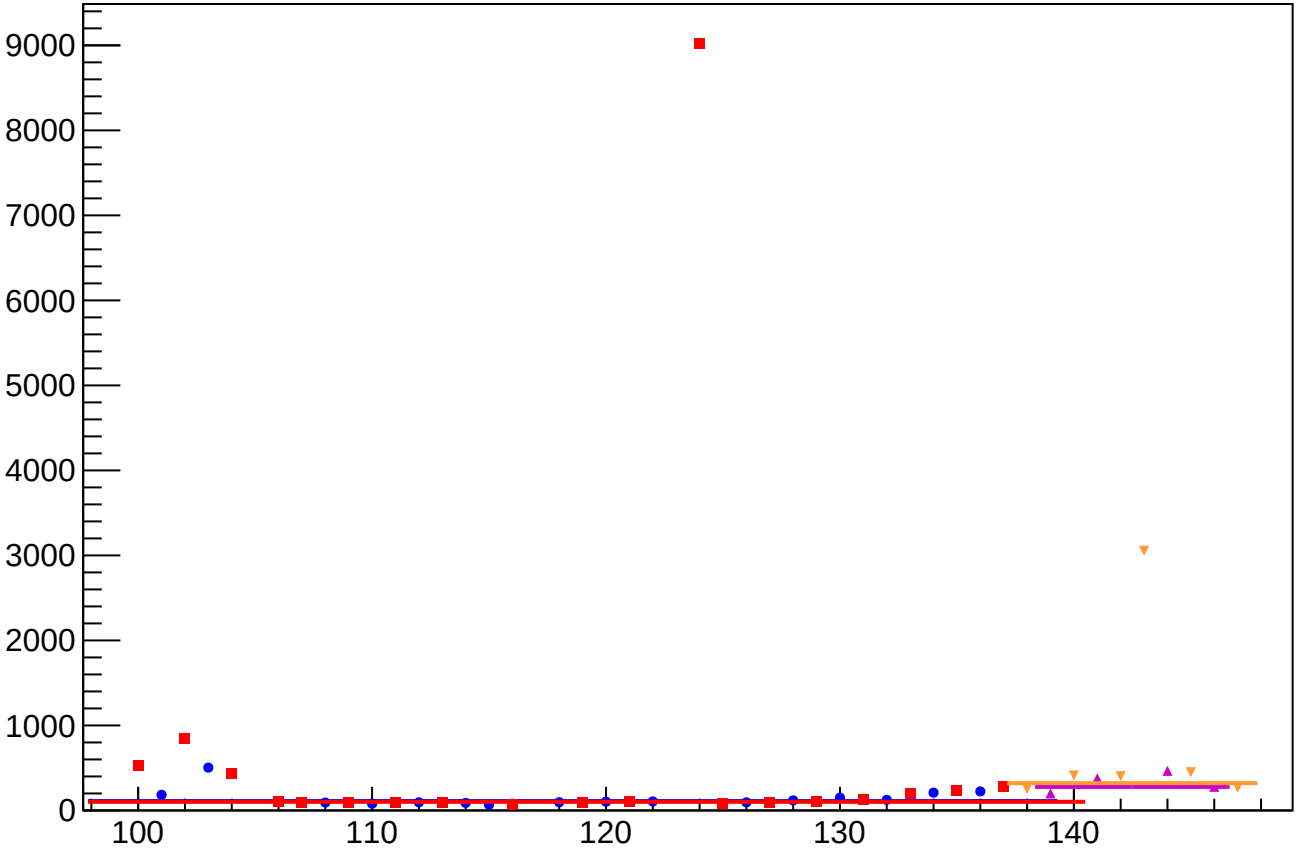
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.039+/-0.044 χ^2/NDF:18.2/19

Out: -0.013+/-0.042 χ^2/NDF:34.3/24

All: 0.012+/-0.030 χ^2/NDF: 53.2/44

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: 321.053+/-0.120 χ^2/NDF:1719940.4/5

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 276.855+/-0.112 χ^2/NDF:639093.5/3

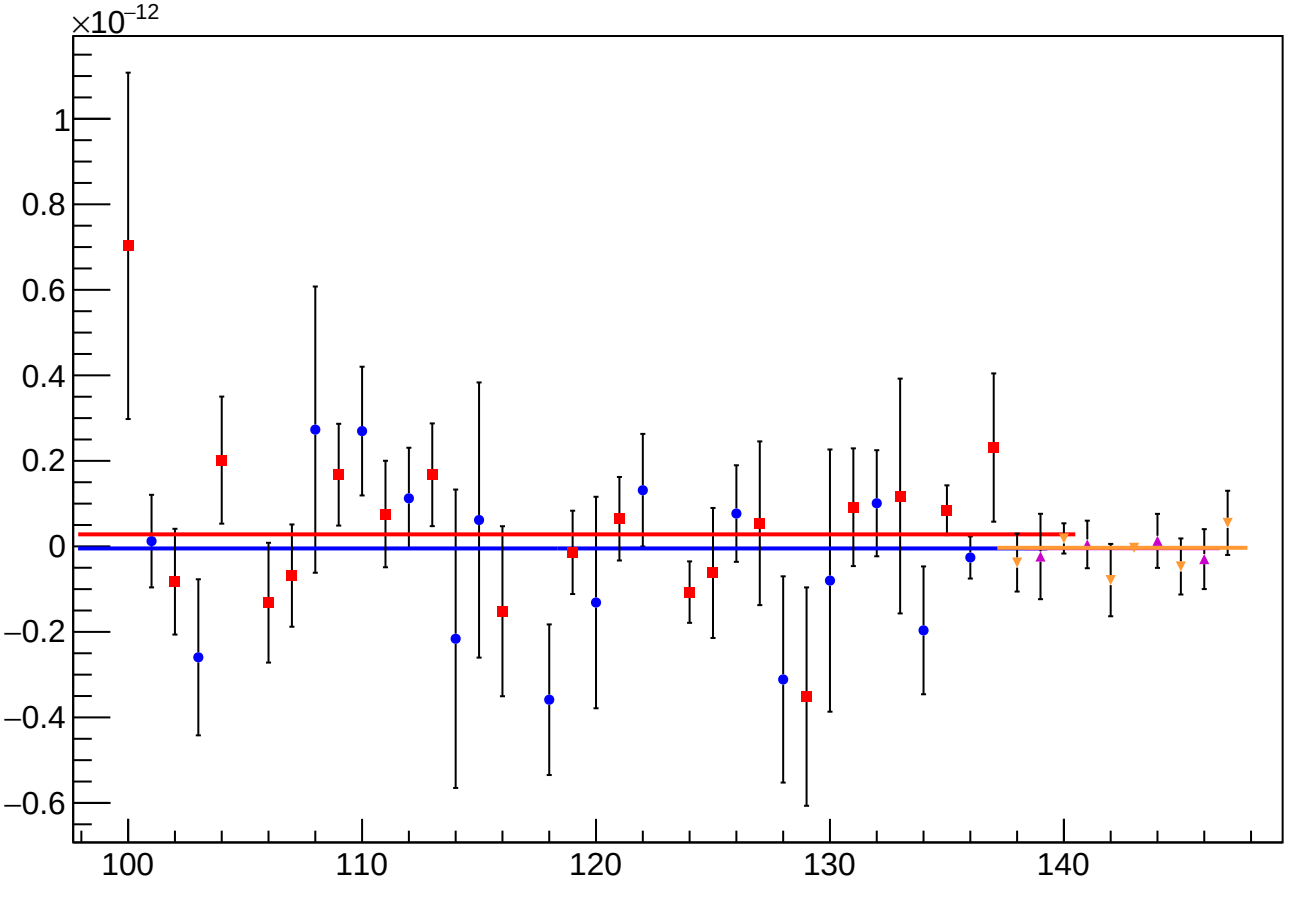
Left: 297.396+/-0.082 χ^2/NDF: 2431421.5/9

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 122.608+/-0.031 χ^2/NDF:4621743.9/19

Out: 115.254+/-0.030 χ^2/NDF:7432680.6/24

All: 118.799+/-0.021 χ^2/NDF: 12083955.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.3/3

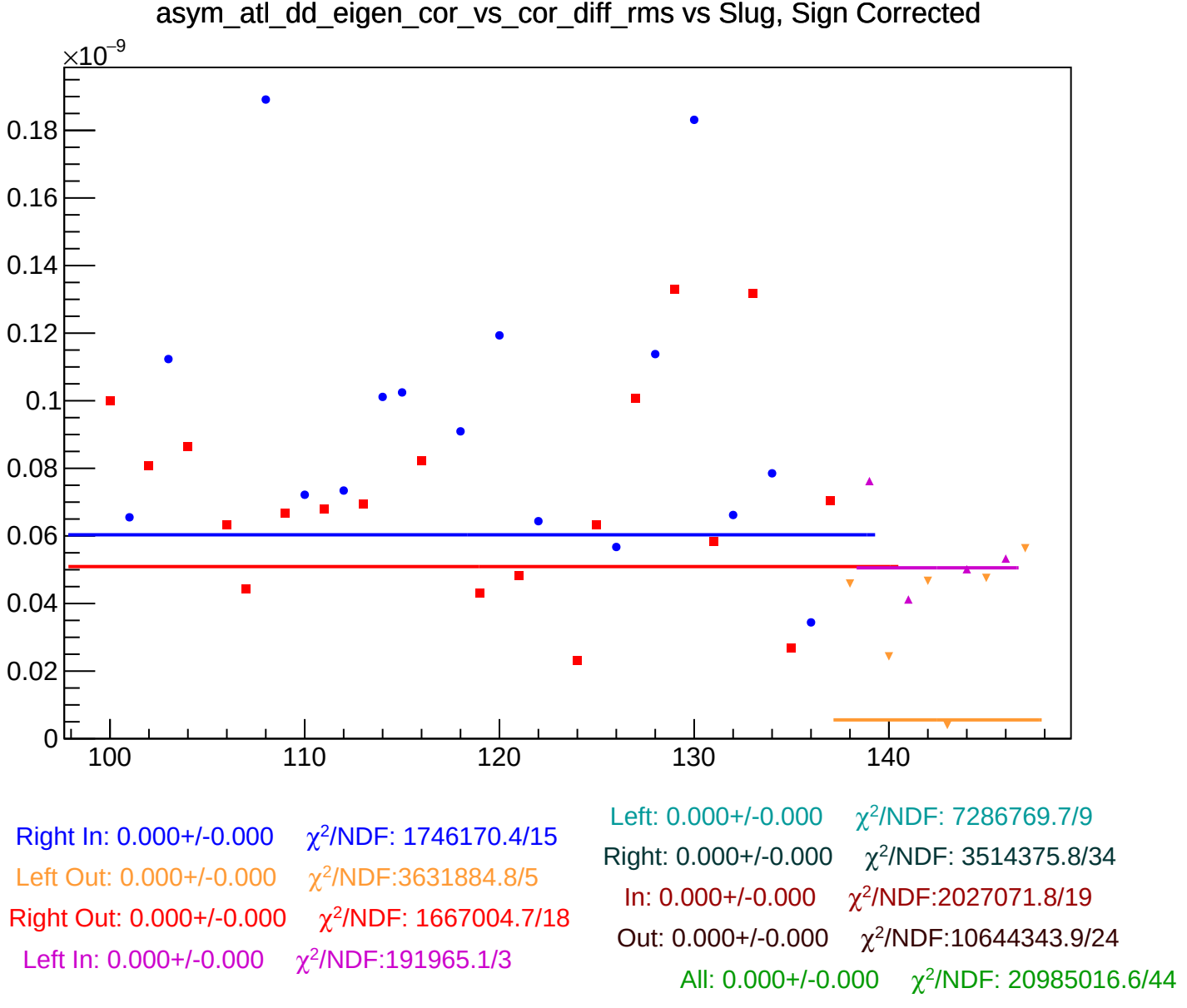
Left: -0.000+/-0.000 χ^2/NDF: 2.8/9

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

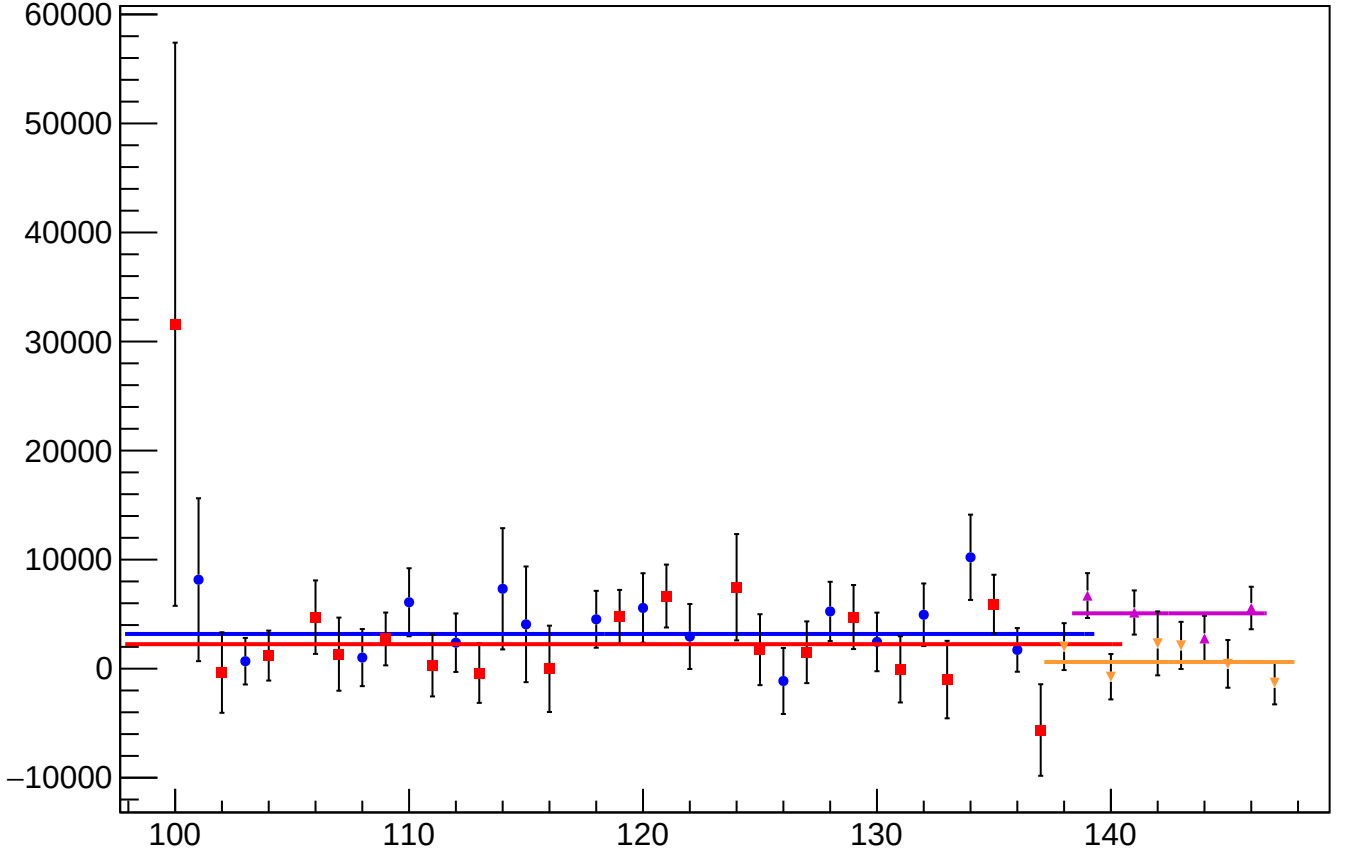
In: -0.000+/-0.000 χ^2/NDF:17.8/19

Out: -0.000+/-0.000 χ^2/NDF:23.4/24

All: -0.000+/-0.000 χ^2/NDF: 41.2/44


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:3631884.8/5
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:191965.1/3
Left: 0.000+/-0.000 χ²/NDF: 7286769.7/9
Right: 0.000+/-0.000 χ²/NDF: 3514375.8/34
In: 0.000+/-0.000 χ²/NDF:2027071.8/19
Out: 0.000+/-0.000 χ²/NDF:10644343.9/24
All: 0.000+/-0.000 χ²/NDF: 20985016.6/44

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 610.512+/-898.048 χ^2/NDF:2.6/5

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 5074.330+/-1012.551 χ^2/NDF:1.9/3

Left: 2575.860+/-671.867 χ^2/NDF: 15.4/9

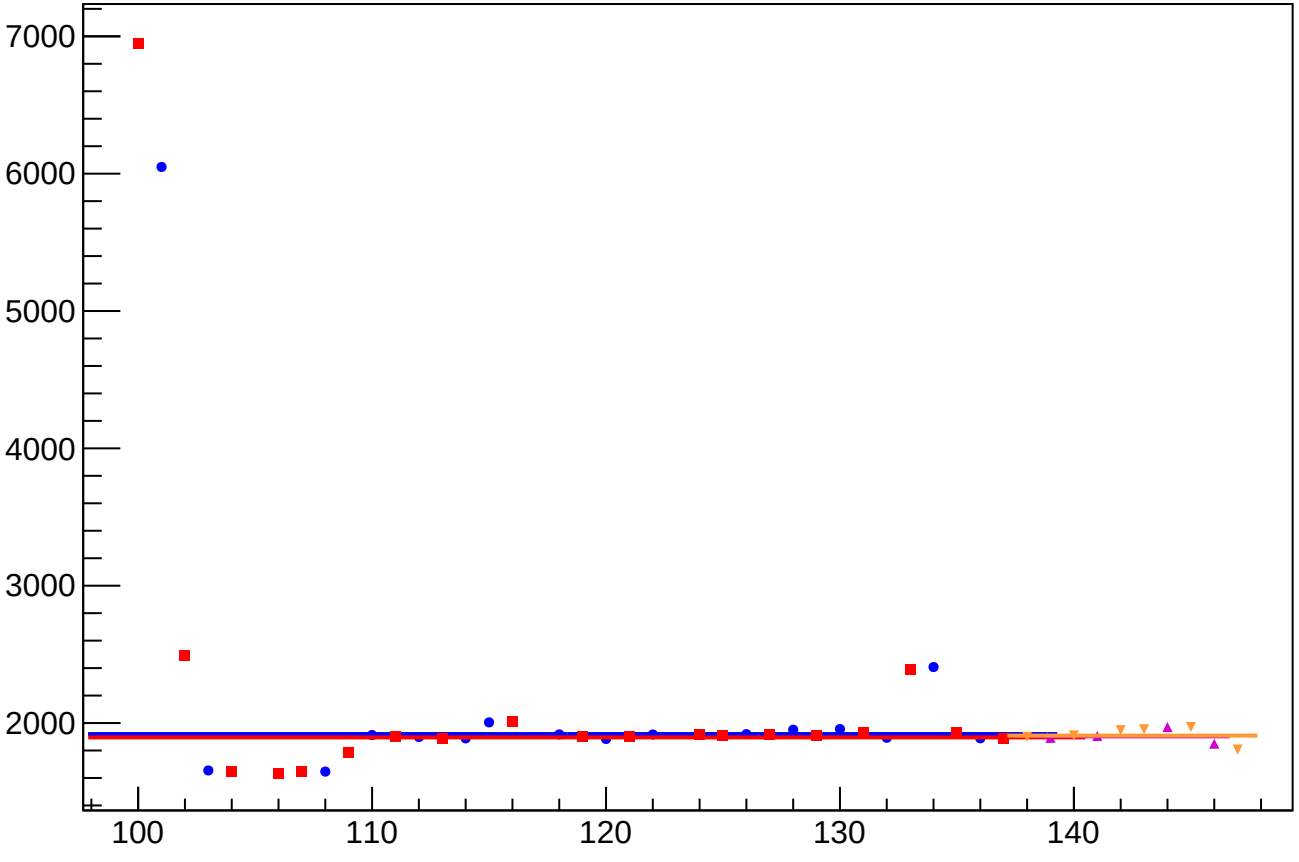
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3831.630+/-592.757 χ^2/NDF:15.9/19

Out: 1615.974+/-557.400 χ^2/NDF:21.2/24

All: 2655.755+/-406.066 χ^2/NDF: 44.5/44

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1908.534+/-0.635 χ^2/NDF:8233.8/5

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

Left: 1906.080+/-0.475 χ^2/NDF: 11950.4/9

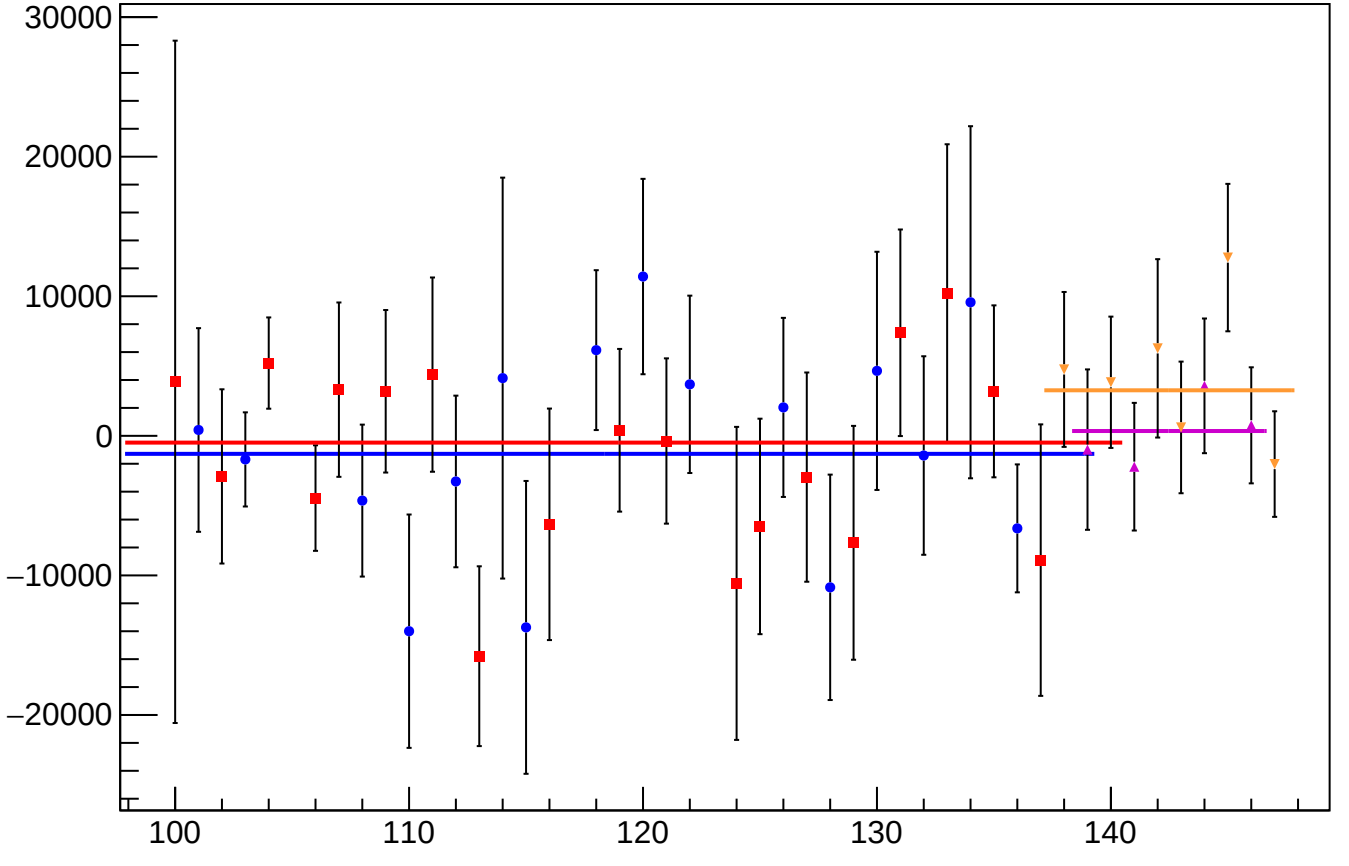
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1914.046+/-0.419 χ^2/NDF:701379.0/19

Out: 1900.415+/-0.393 χ^2/NDF:230773.0/24

All: 1906.797+/-0.287 χ^2/NDF: 932714.5/44

asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 3262.548+/-1988.657 χ^2/NDF:5.8/5

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 345.188+/-2364.185 χ^2/NDF:0.8/3

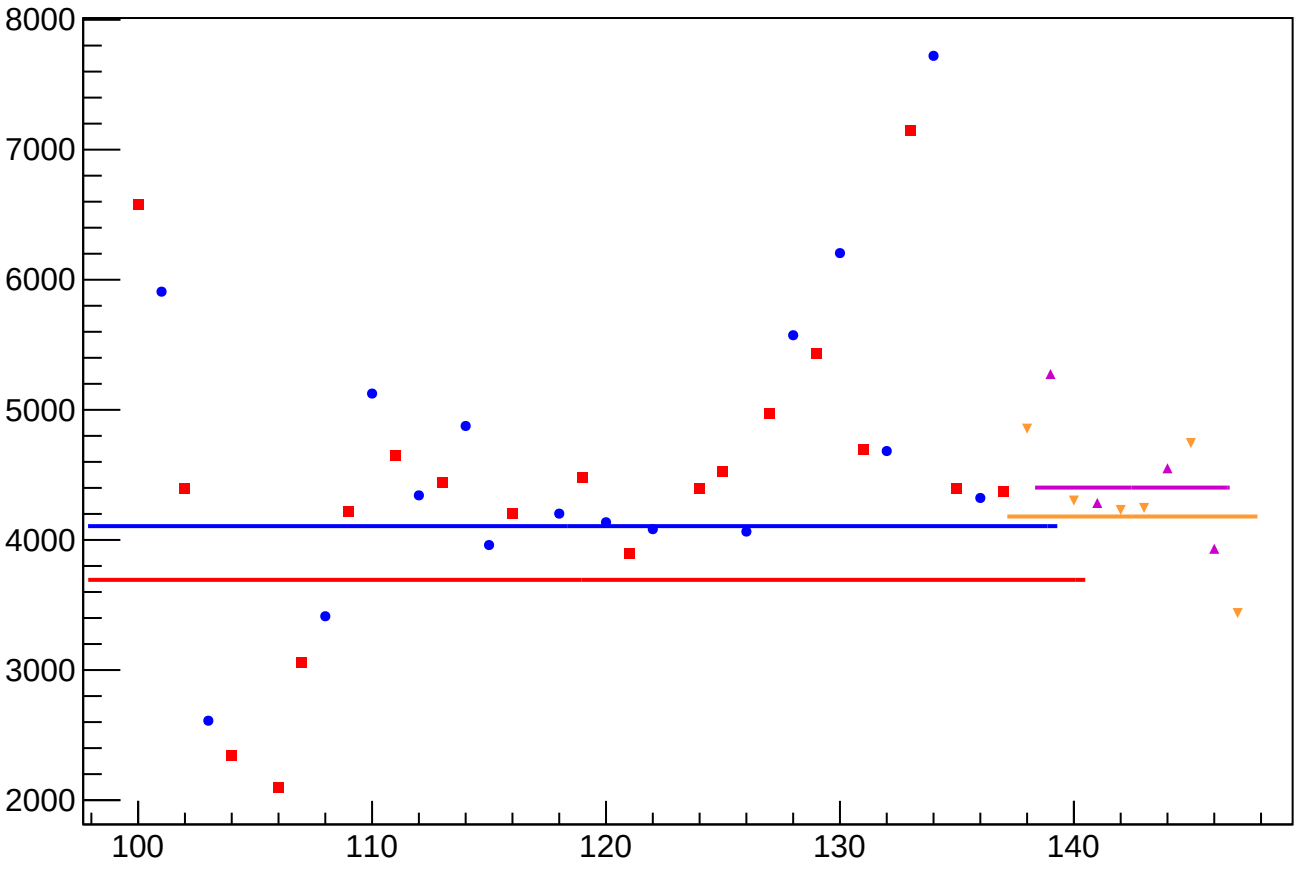
Left: 2053.695+/-1521.855 χ^2/NDF: 7.5/9

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -783.095+/-1316.762 χ^2/NDF:15.4/19

Out: 800.941+/-1164.986 χ^2/NDF:25.4/24

All: 105.437+/-872.518 χ^2/NDF: 41.6/44



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4180.094+/-1.406 χ^2/NDF:131319.9/5

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4402.380+/-1.672 χ^2/NDF:74983.9/3

Left: 4272.202+/-1.076 χ^2/NDF: 216658.0/9

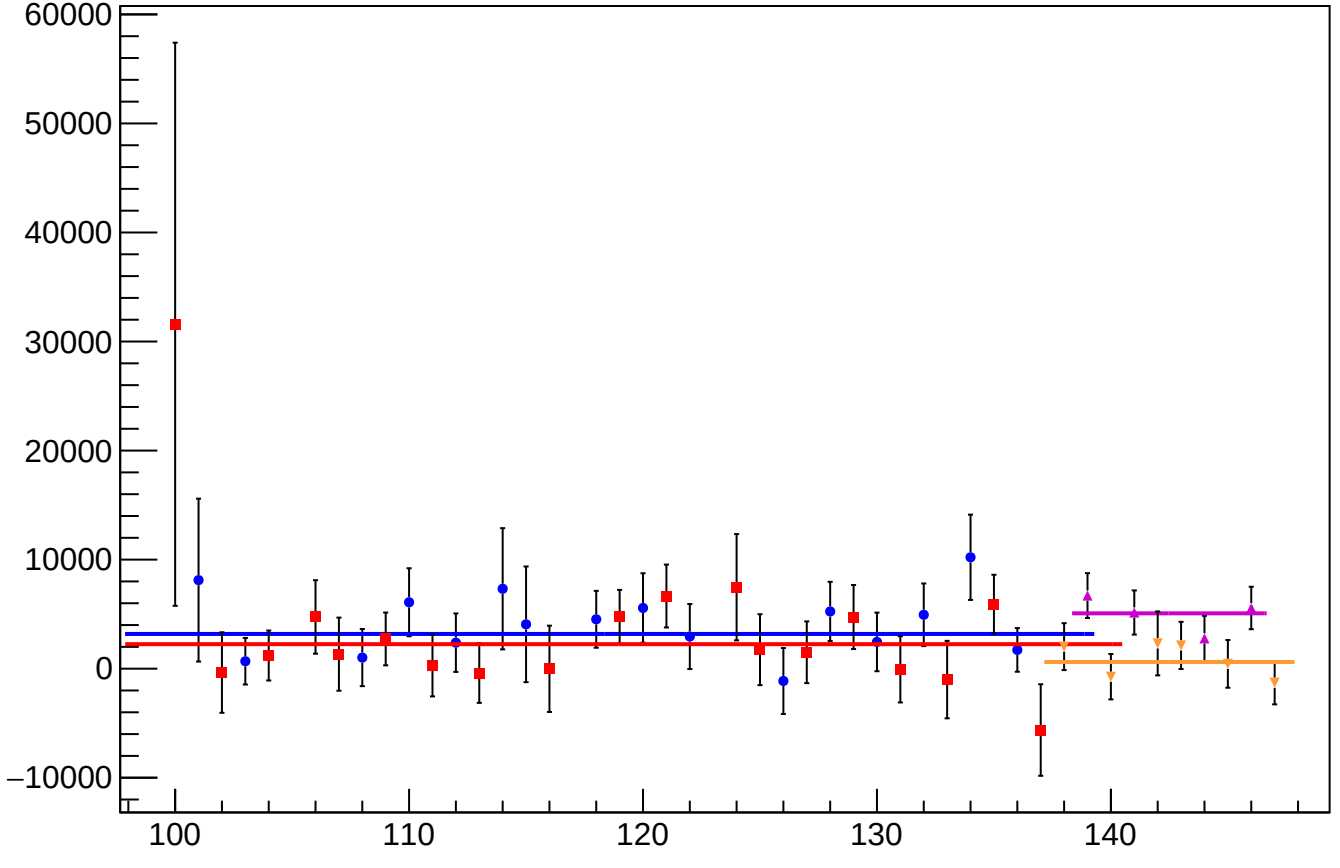
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4198.037+/-0.931 χ^2/NDF:1052774.8/19

Out: 3860.336+/-0.824 χ^2/NDF:1566687.3/24

All: 4008.610+/-0.617 χ^2/NDF: 2693250.5/44

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 610.523+/-898.048 χ^2/NDF:2.6/5

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 5074.645+/-1012.551 χ^2/NDF:1.9/3

Left: 2576.005+/-671.867 χ^2/NDF: 15.4/9

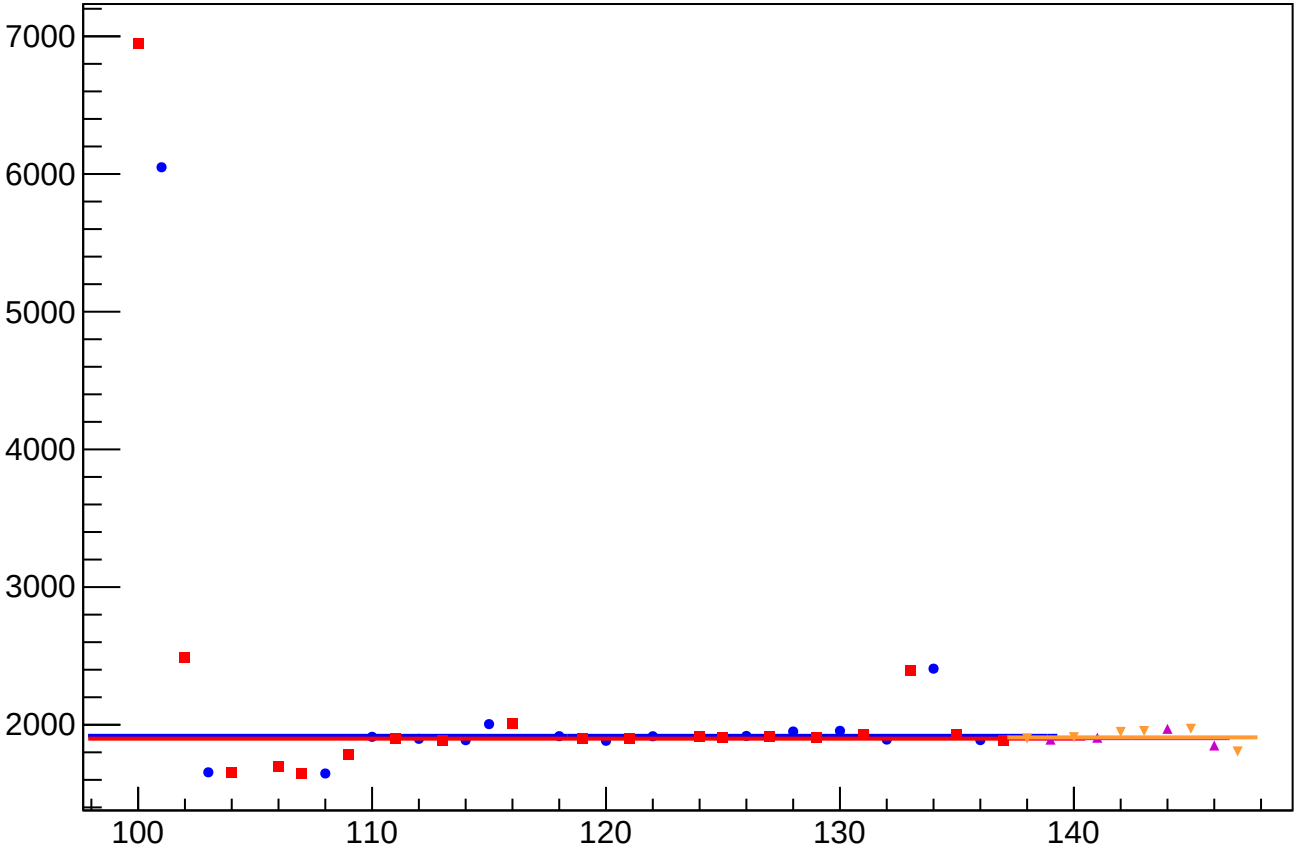
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3831.258+/-592.757 χ^2/NDF:15.9/19

Out: 1616.672+/-557.402 χ^2/NDF:21.2/24

All: 2655.955+/-406.067 χ^2/NDF: 44.5/44

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1908.535+/-0.635 χ^2/NDF:8233.8/5

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

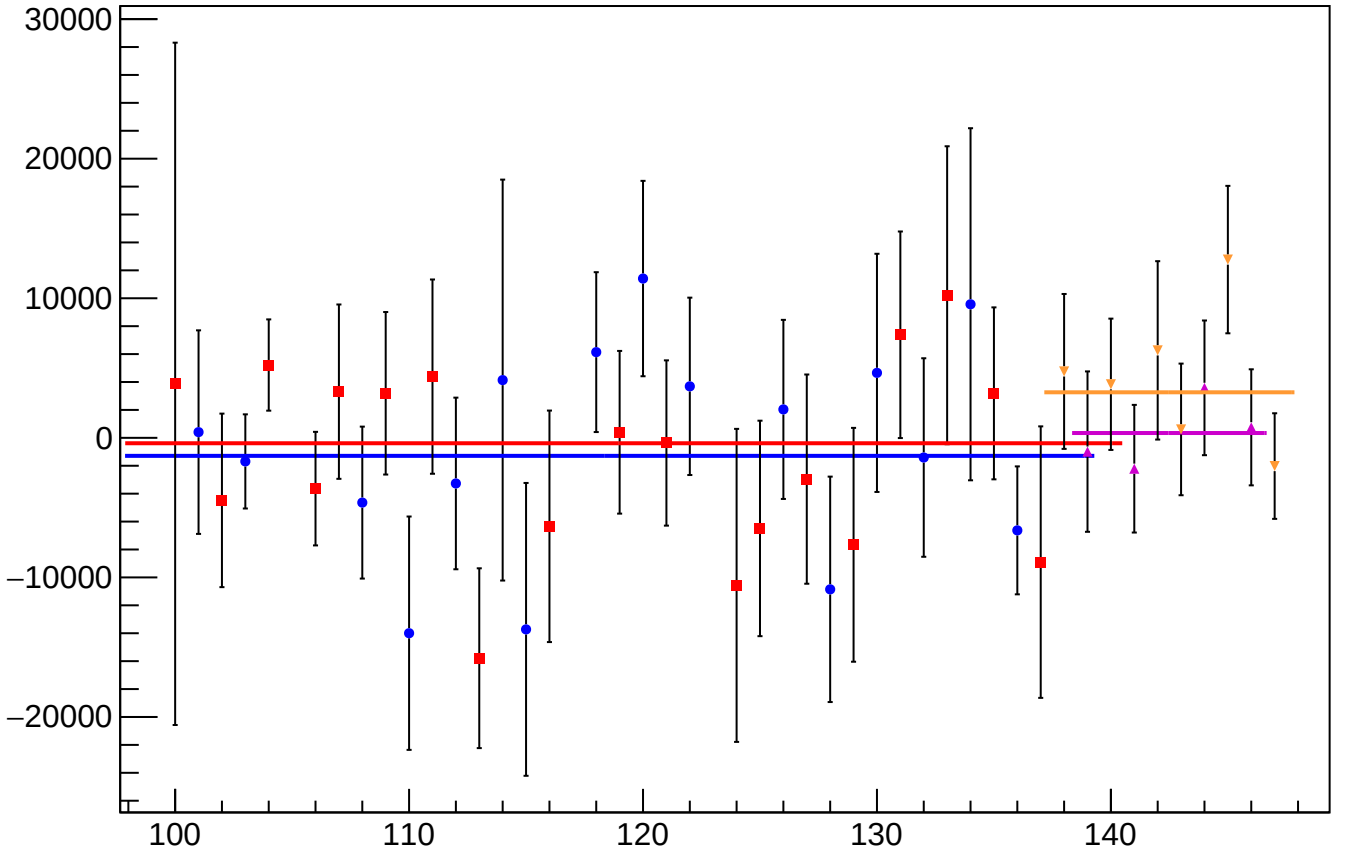
Left: 1906.080+/-0.475 χ^2/NDF: 11950.4/9

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1914.047+/-0.419 χ^2/NDF:701378.2/19

Out: 1902.890+/-0.394 χ^2/NDF:224016.3/24

All: 1908.120+/-0.287 χ^2/NDF: 925770.8/44



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3262.588+/-1988.651 χ^2/NDF:5.8/5

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 345.233+/-2364.190 χ^2/NDF:0.8/3

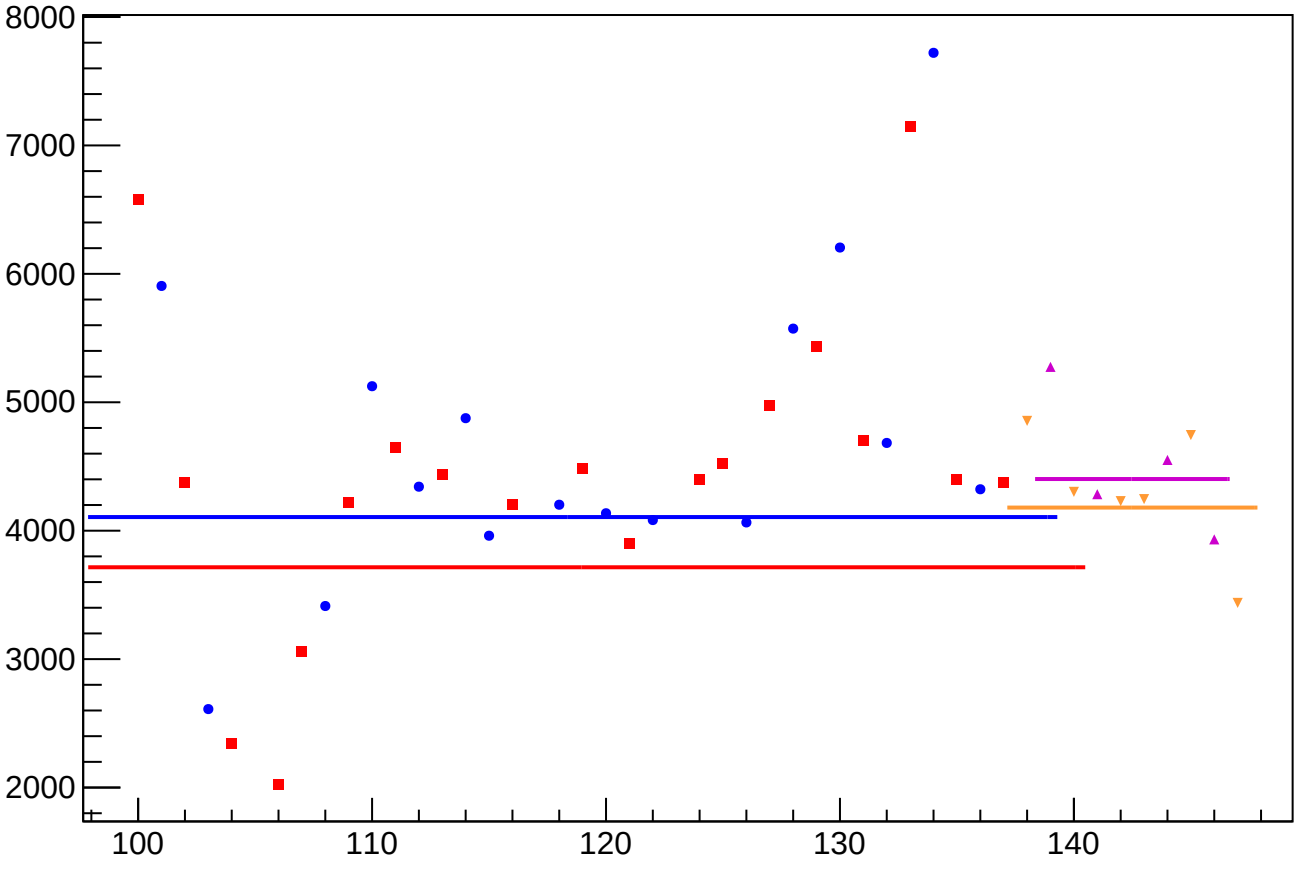
Left: 2053.744+/-1521.853 χ^2/NDF: 7.5/9

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -783.335+/-1316.764 χ^2/NDF:15.4/19

Out: 881.130+/-1172.434 χ^2/NDF:25.0/24

All: 145.084+/-875.635 χ^2/NDF: 41.3/44



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4180.082+/-1.406 χ^2/NDF:131315.6/5

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4402.389+/-1.672 χ^2/NDF:74982.8/3

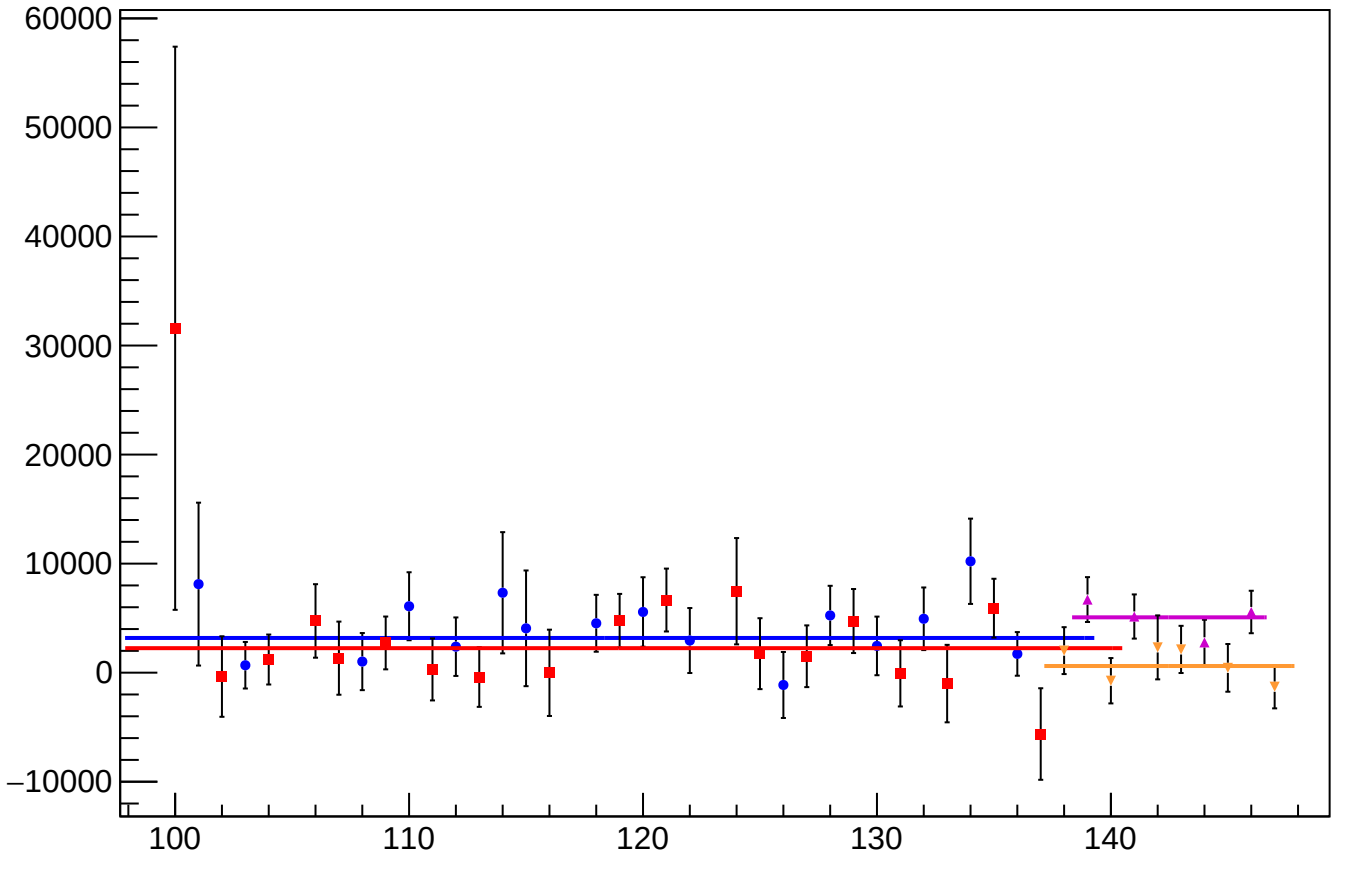
Left: 4272.198+/-1.076 χ^2/NDF: 216654.5/9

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4198.103+/-0.931 χ^2/NDF:1052262.2/19

Out: 3876.787+/-0.829 χ^2/NDF:1537721.1/24

All: 4018.877+/-0.619 χ^2/NDF: 2656410.8/44



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 610.523+/-898.048 χ^2/NDF:2.6/5

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 5074.645+/-1012.551 χ^2/NDF:1.9/3

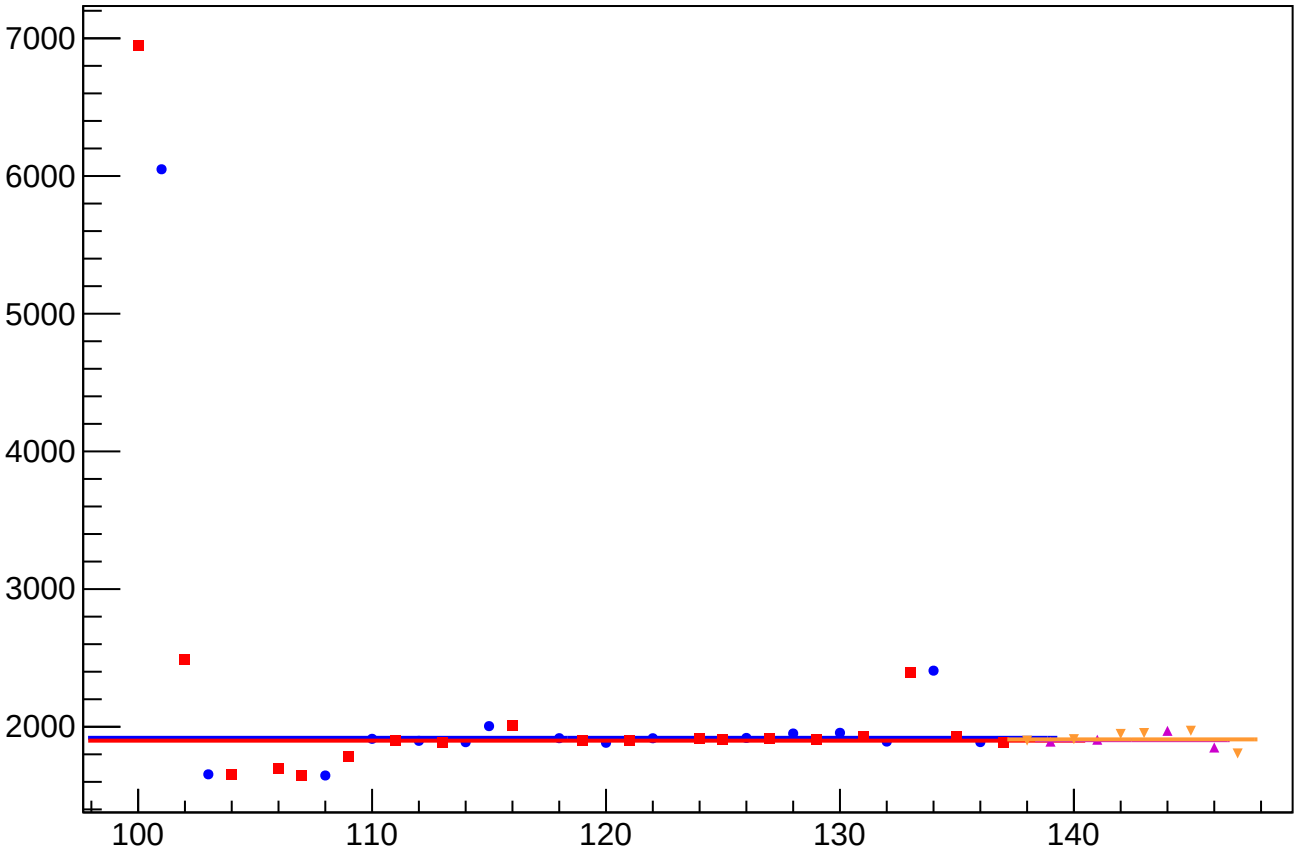
Left: 2576.005+/-671.867 χ^2/NDF: 15.4/9

Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3831.258+/-592.757 χ^2/NDF:15.9/19

Out: 1616.672+/-557.402 χ^2/NDF:21.2/24

All: 2655.955+/-406.067 χ^2/NDF: 44.5/44



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1908.535+/-0.635 χ^2/NDF:8233.8/5

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1902.959+/-0.716 χ^2/NDF:3682.7/3

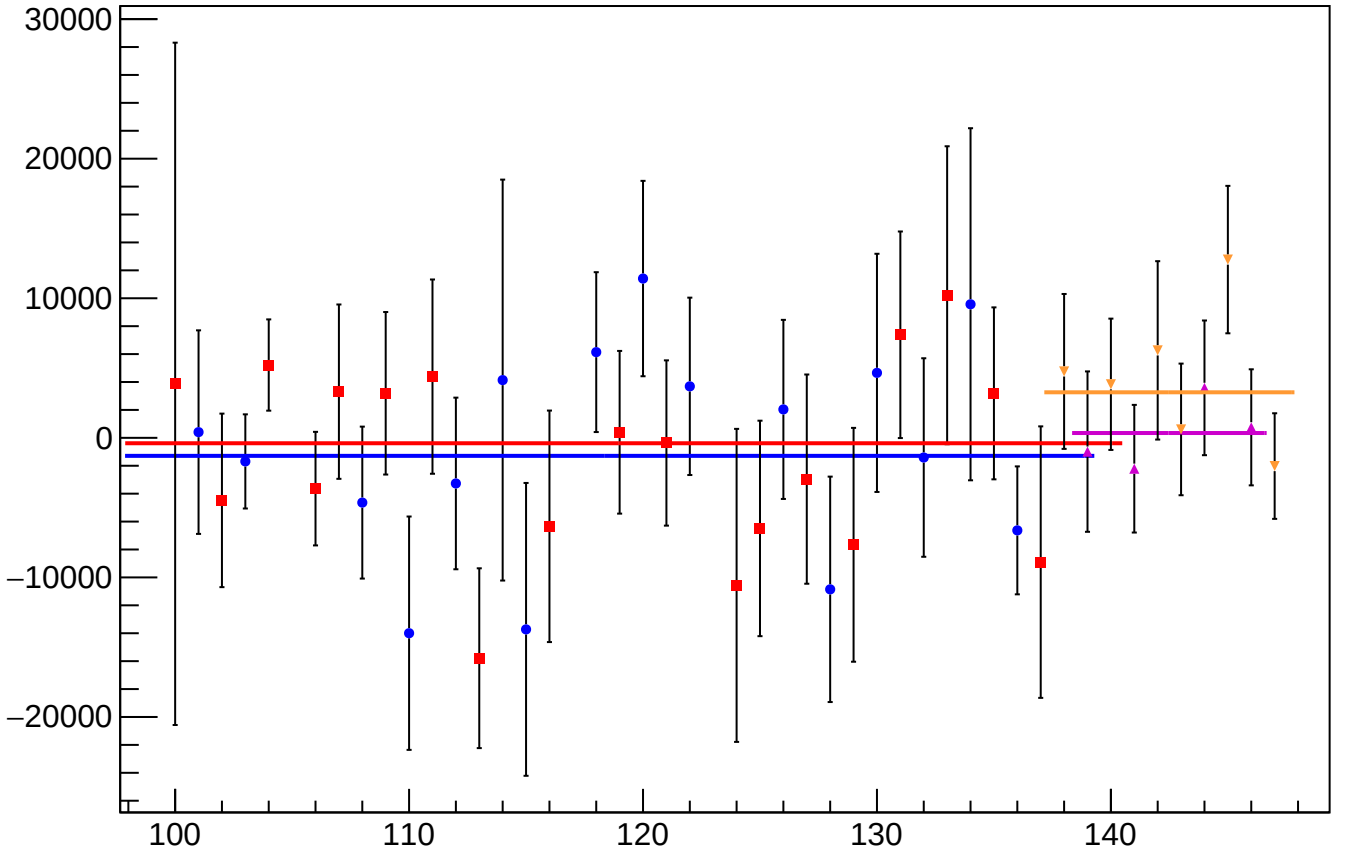
Left: 1906.080+/-0.475 χ^2/NDF: 11950.4/9

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1914.047+/-0.419 χ^2/NDF:701378.2/19

Out: 1902.890+/-0.394 χ^2/NDF:224016.3/24

All: 1908.120+/-0.287 χ^2/NDF: 925770.8/44



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 3262.588+/-1988.651 χ^2/NDF:5.8/5

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 345.233+/-2364.190 χ^2/NDF:0.8/3

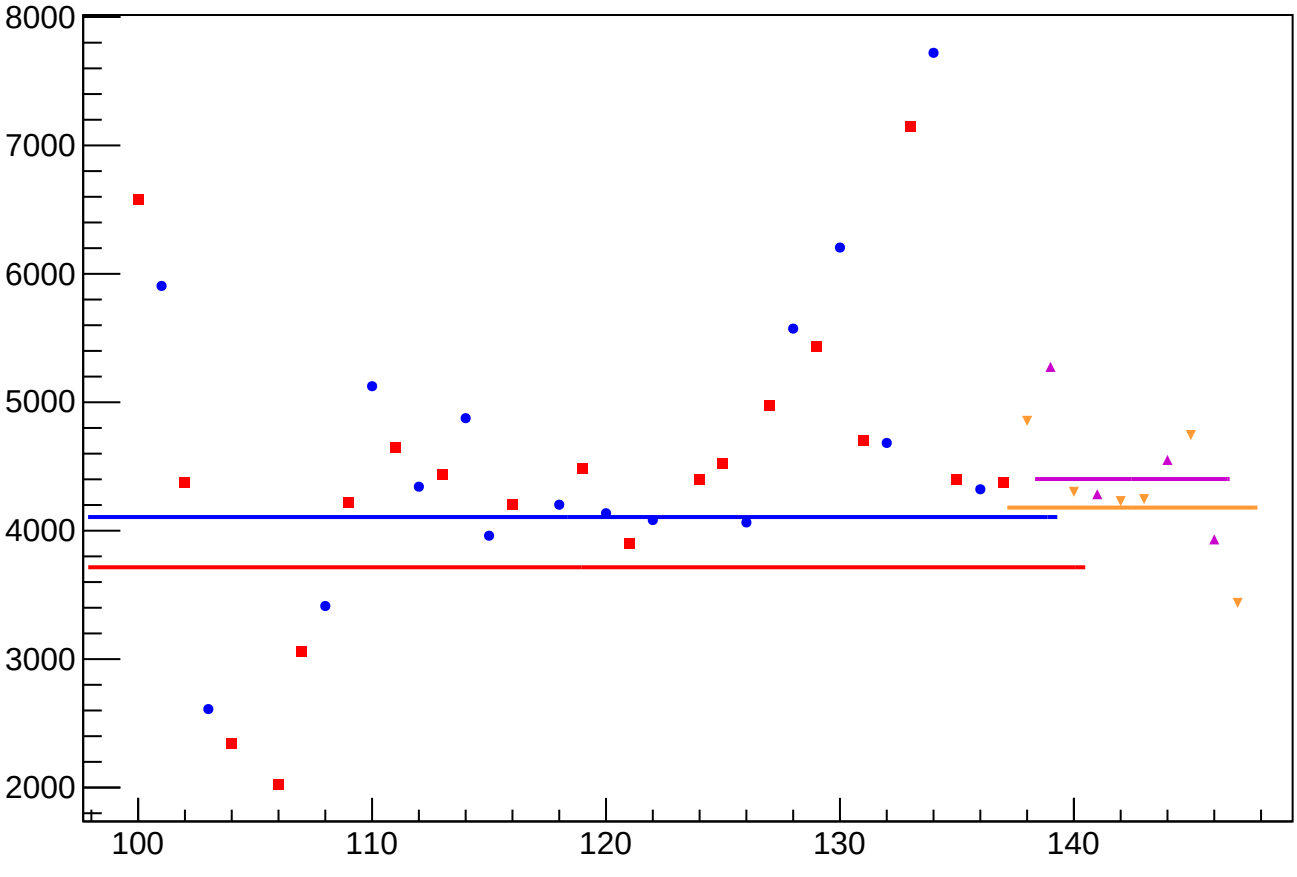
Left: 2053.744+/-1521.853 χ^2/NDF: 7.5/9

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -783.335+/-1316.764 χ^2/NDF:15.4/19

Out: 881.130+/-1172.434 χ^2/NDF:25.0/24

All: 145.084+/-875.635 χ^2/NDF: 41.3/44



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4180.082+/-1.406 χ^2/NDF:131315.6/5

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4402.389+/-1.672 χ^2/NDF:74982.8/3

Left: 4272.198+/-1.076 χ^2/NDF: 216654.5/9

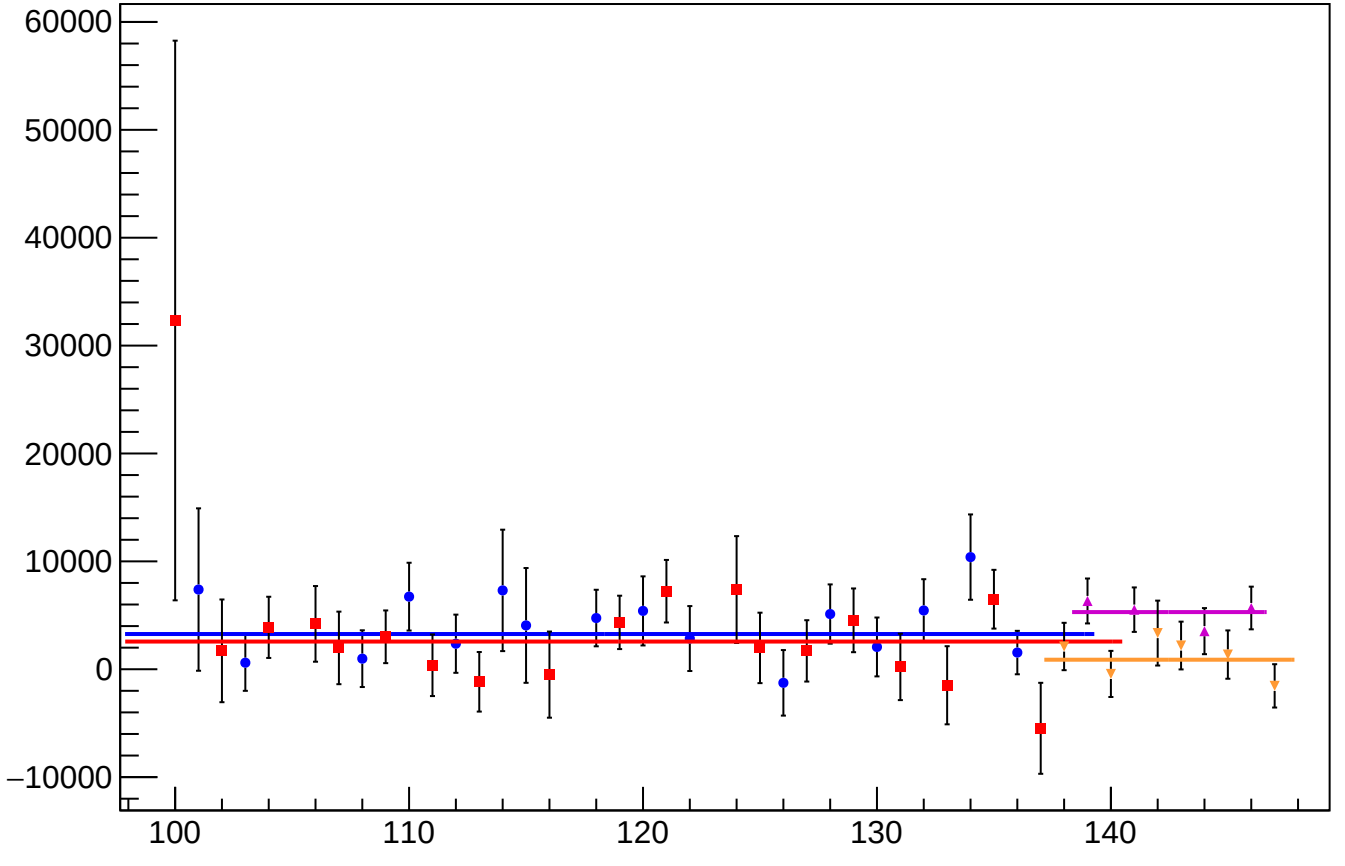
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4198.103+/-0.931 χ^2/NDF:1052262.2/19

Out: 3876.787+/-0.829 χ^2/NDF:1537721.1/24

All: 4018.877+/-0.619 χ^2/NDF: 2656410.8/44

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 883.512+/-917.341 χ^2/NDF:3.2/5

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 5298.446+/-1030.963 χ^2/NDF:1.0/3

Left: 2834.378+/-685.322 χ^2/NDF: 14.4/9

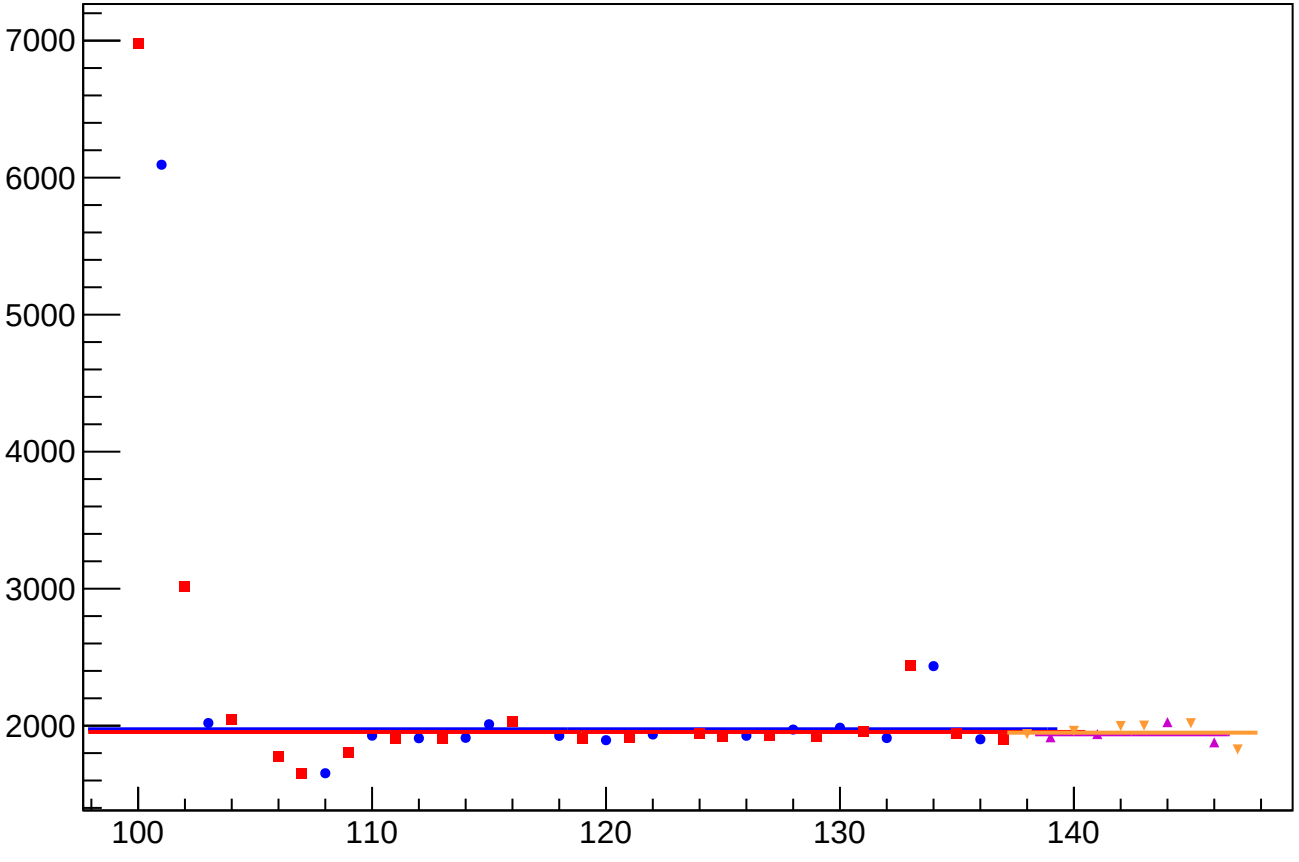
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3969.544+/-606.951 χ^2/NDF:15.7/19

Out: 1908.741+/-573.535 χ^2/NDF:22.3/24

All: 2880.855+/-416.863 χ^2/NDF: 44.1/44

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1949.138+/-0.649 χ^2/NDF:11055.8/5

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1937.235+/-0.729 χ^2/NDF:5422.7/3

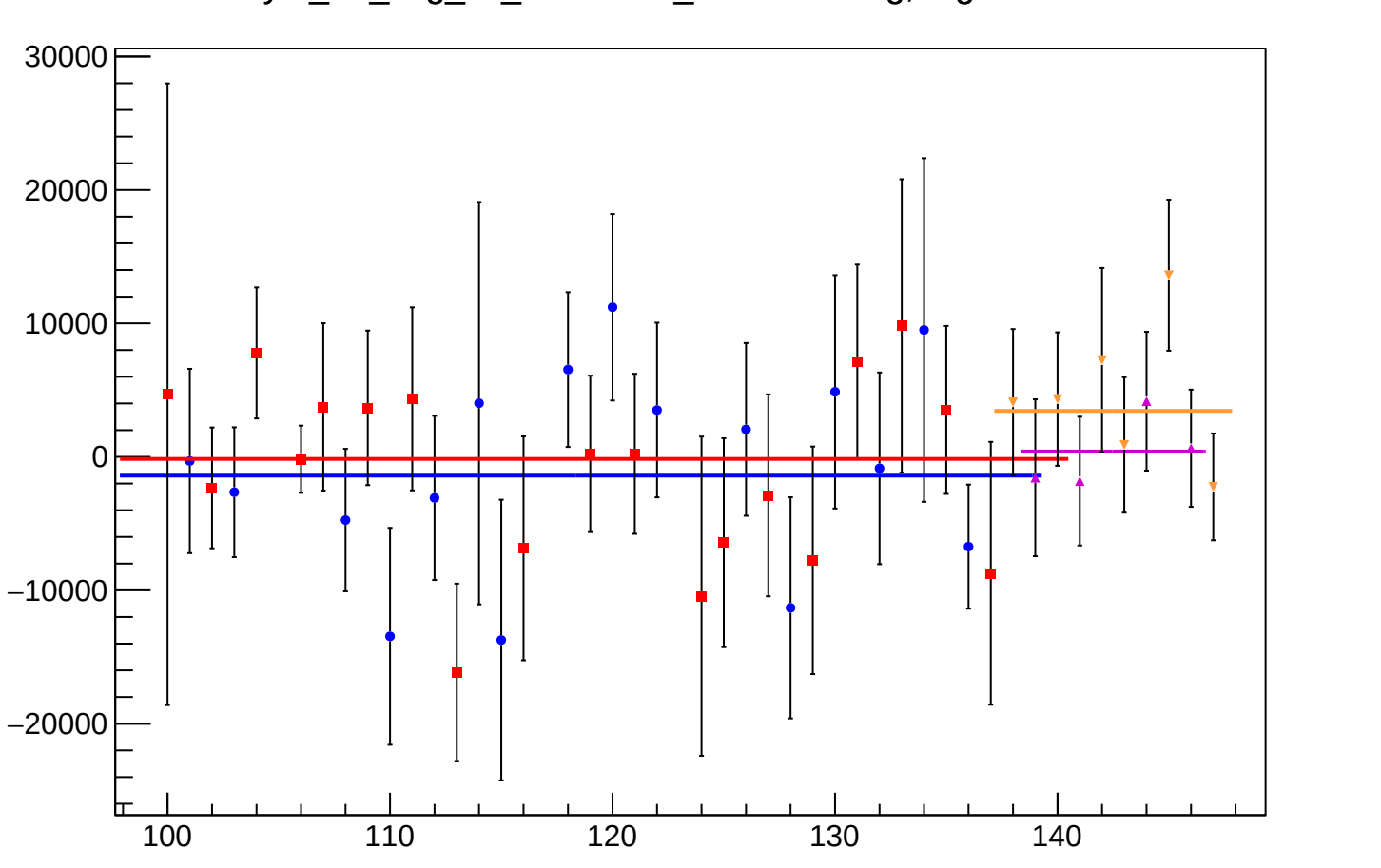
Left: 1943.878+/-0.485 χ^2/NDF: 16627.2/9

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1961.093+/-0.429 χ^2/NDF:672186.1/19

Out: 1952.308+/-0.405 χ^2/NDF:257306.3/24

All: 1956.450+/-0.295 χ^2/NDF: 929713.8/44



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 3440.158+/-2100.140 χ^2/NDF:5.8/5

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 398.437+/-2493.895 χ^2/NDF:0.9/3

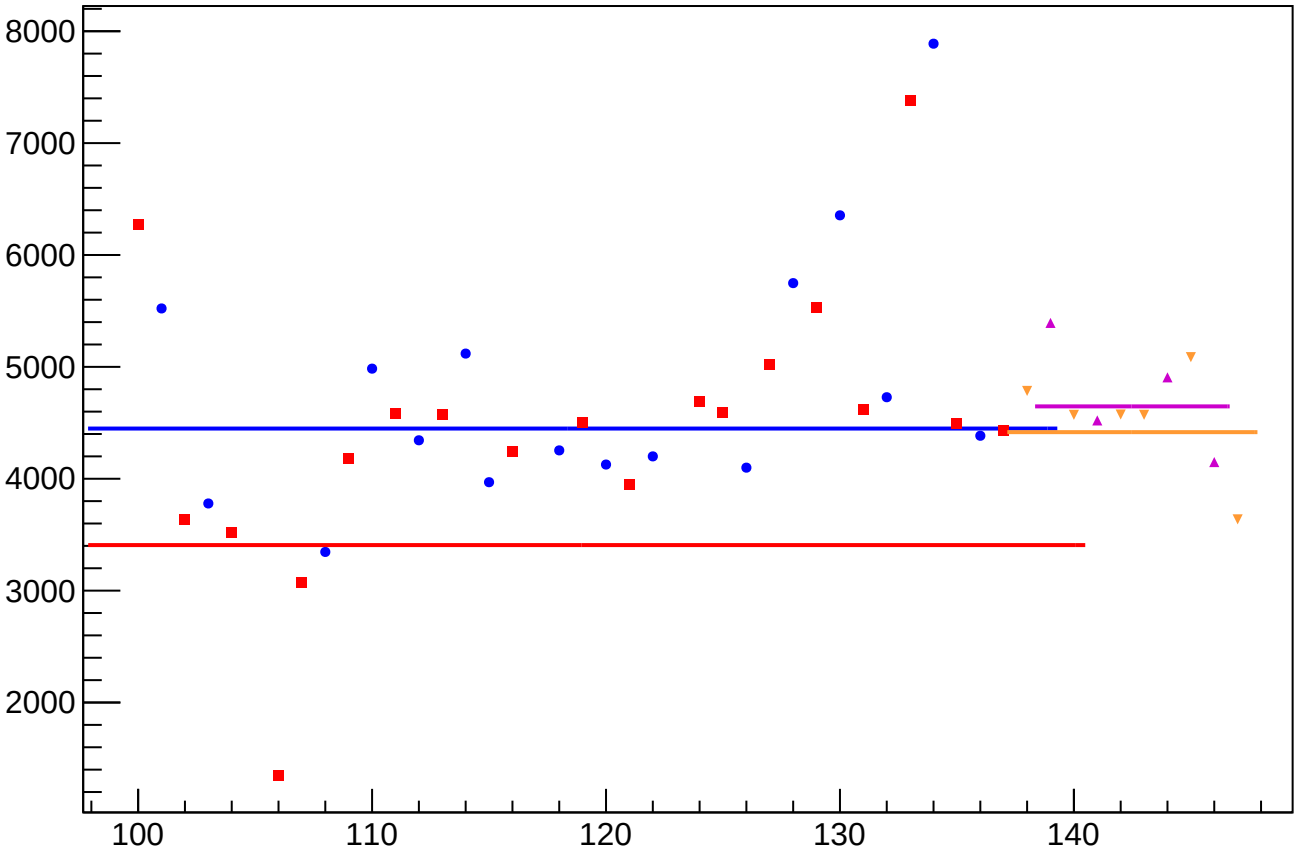
Left: 2178.103+/-1606.415 χ^2/NDF: 7.6/9

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -839.095+/-1399.023 χ^2/NDF:15.4/19

Out: 911.022+/-1143.698 χ^2/NDF:23.7/24

All: 209.946+/-885.470 χ^2/NDF: 40.1/44



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4416.584+/-1.485 χ^2/NDF:117782.3/5

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4646.859+/-1.763 χ^2/NDF:64280.4/3

Left: 4512.129+/-1.136 χ^2/NDF: 192039.4/9

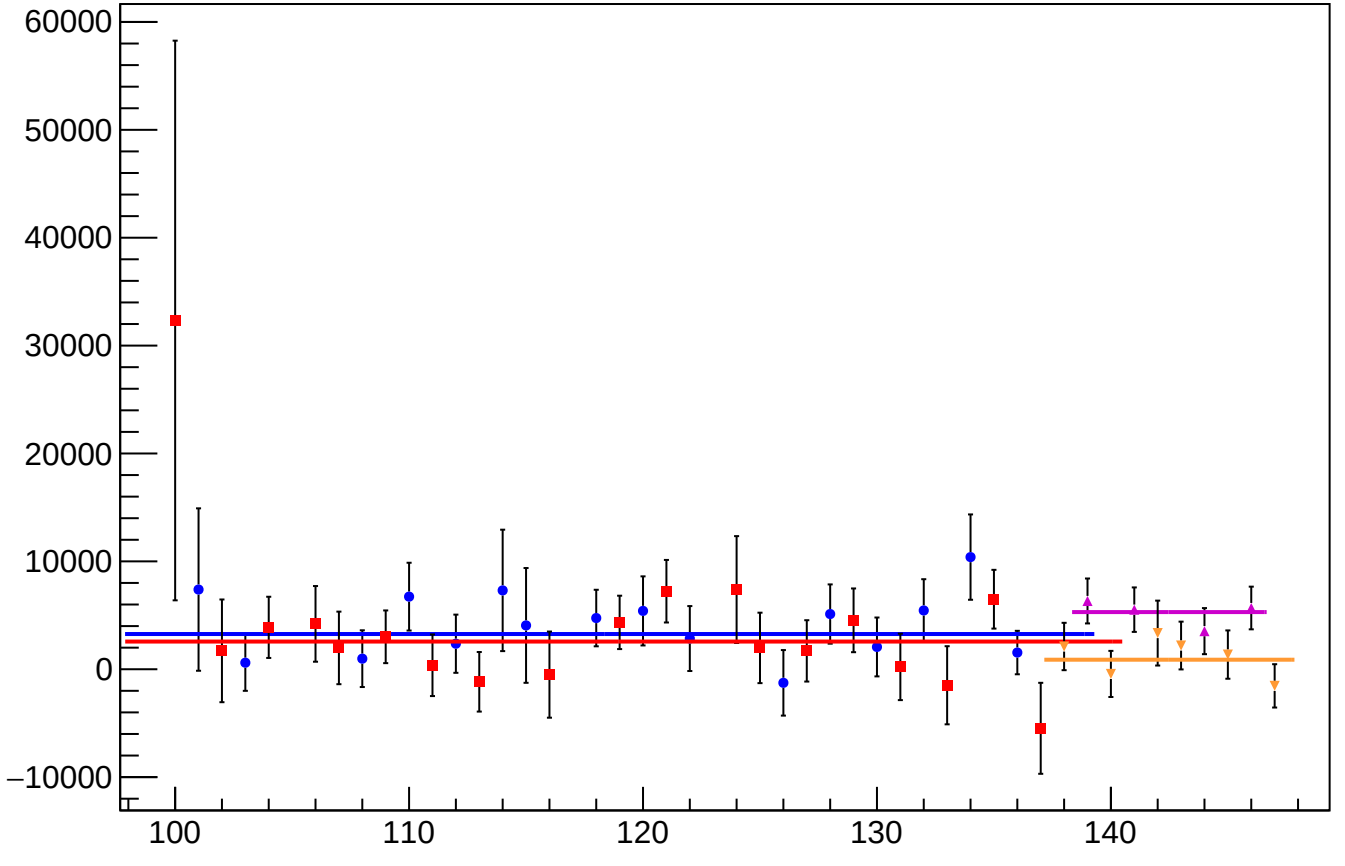
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4511.068+/-0.989 χ^2/NDF:567546.3/19

Out: 3706.501+/-0.809 χ^2/NDF:2768877.9/24

All: 4028.801+/-0.626 χ^2/NDF: 3732911.5/44

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 883.515+/-917.341 χ^2/NDF:3.2/5

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 5298.438+/-1030.964 χ^2/NDF:1.0/3

Left: 2834.376+/-685.323 χ^2/NDF: 14.4/9

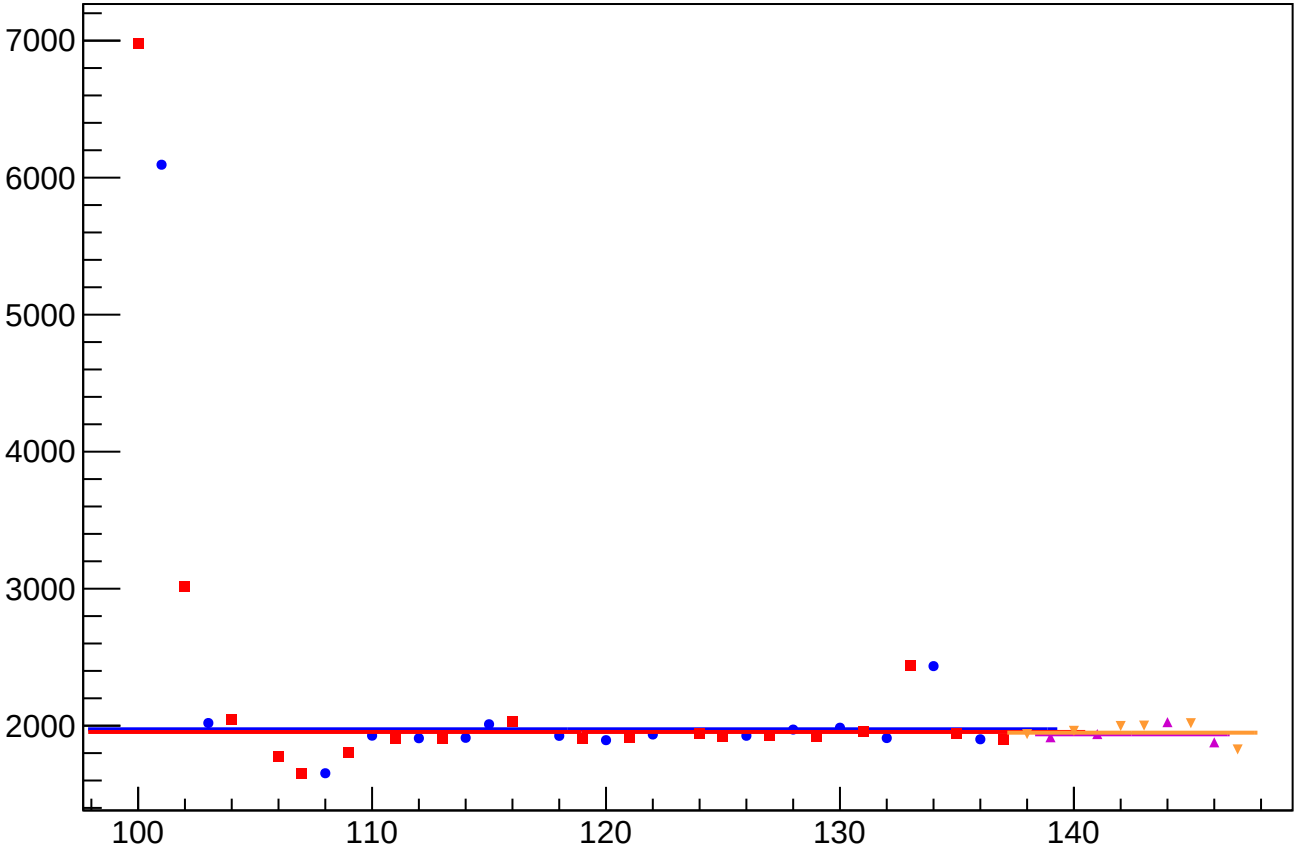
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3969.543+/-606.951 χ^2/NDF:15.7/19

Out: 1908.746+/-573.535 χ^2/NDF:22.3/24

All: 2880.858+/-416.864 χ^2/NDF: 44.1/44

eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1949.138+/-0.649 χ^2/NDF:11055.8/5

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1937.235+/-0.729 χ^2/NDF:5422.7/3

Left: 1943.879+/-0.485 χ^2/NDF: 16627.3/9

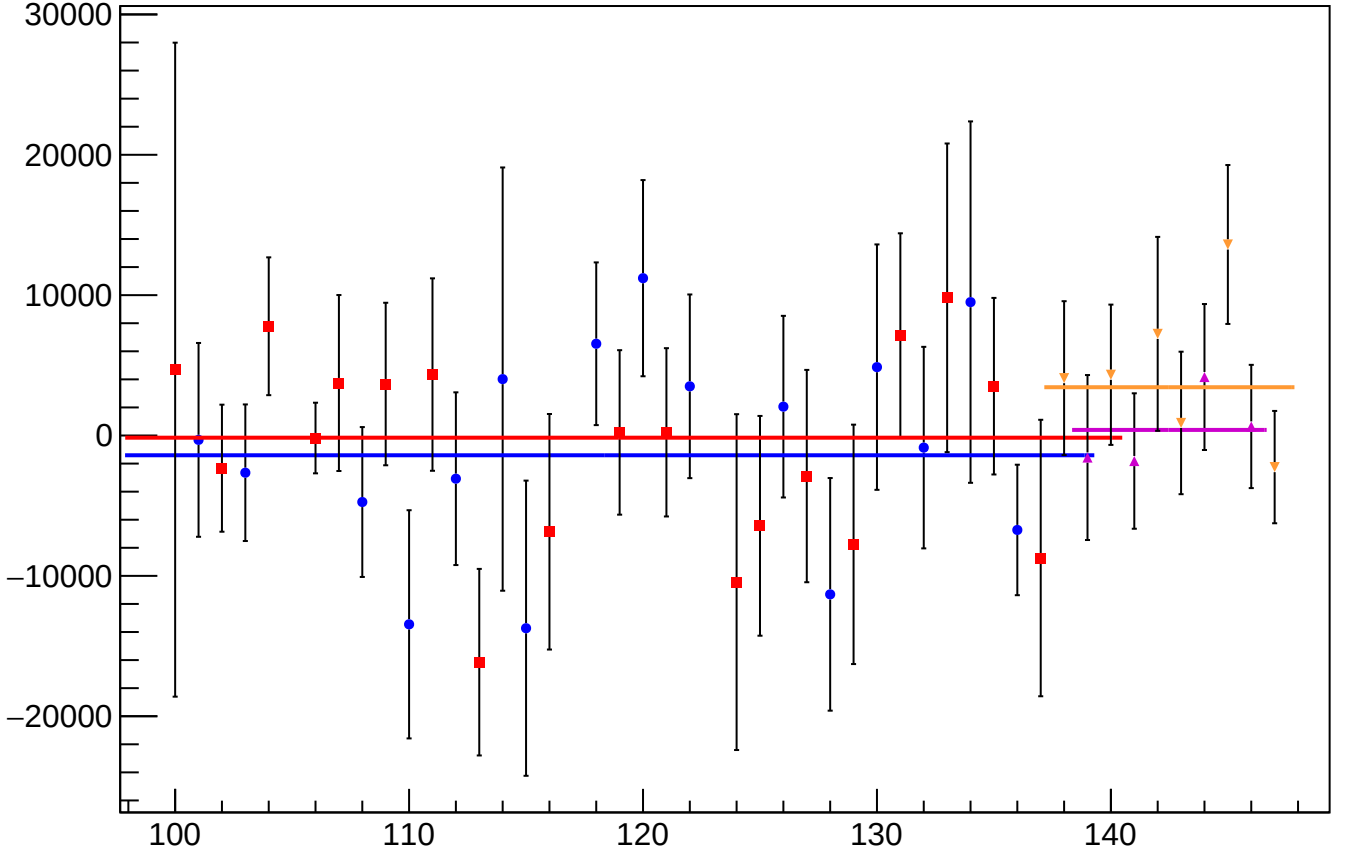
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1961.093+/-0.429 χ^2/NDF:672186.0/19

Out: 1952.308+/-0.405 χ^2/NDF:257305.8/24

All: 1956.450+/-0.295 χ^2/NDF: 929713.3/44

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: 3440.160+/-2100.143 χ^2/NDF:5.8/5

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 398.426+/-2493.898 χ^2/NDF:0.9/3

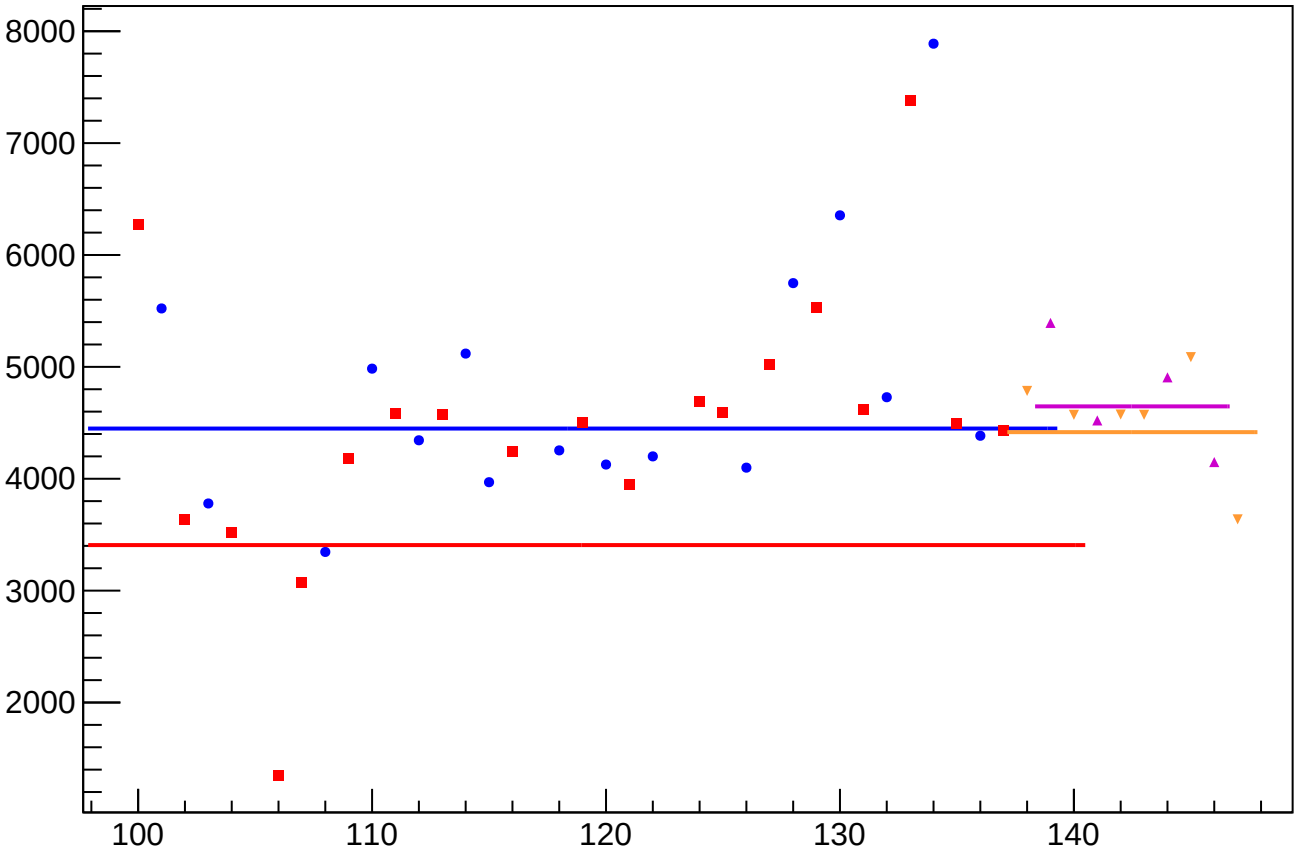
Left: 2178.099+/-1606.417 χ^2/NDF: 7.6/9

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -839.088+/-1399.022 χ^2/NDF:15.4/19

Out: 911.017+/-1143.696 χ^2/NDF:23.7/24

All: 209.946+/-885.469 χ^2/NDF: 40.1/44



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4416.591+/-1.485 χ^2/NDF:117782.3/5

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4646.865+/-1.763 χ^2/NDF:64280.4/3

Left: 4512.135+/-1.136 χ^2/NDF: 192039.3/9

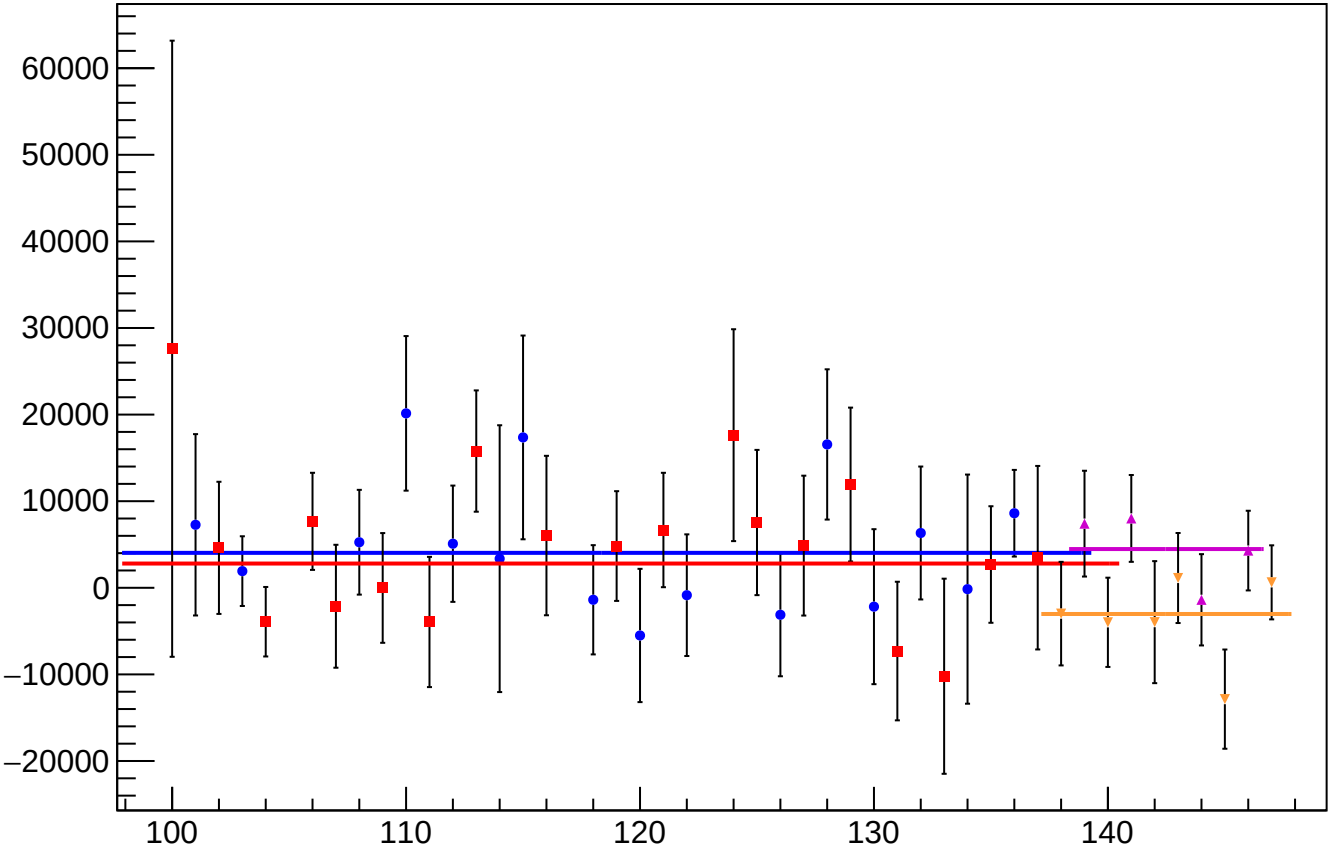
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4511.064+/-0.989 χ^2/NDF:567544.5/19

Out: 3706.496+/-0.809 χ^2/NDF:2768890.8/24

All: 4028.796+/-0.626 χ^2/NDF: 3732925.3/44

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -3024.484+/-2192.864 χ^2/NDF:4.4/5

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 4473.663+/-2583.377 χ^2/NDF:2.0/3

Left: 115.601+/-1671.789 χ^2/NDF: 11.2/9

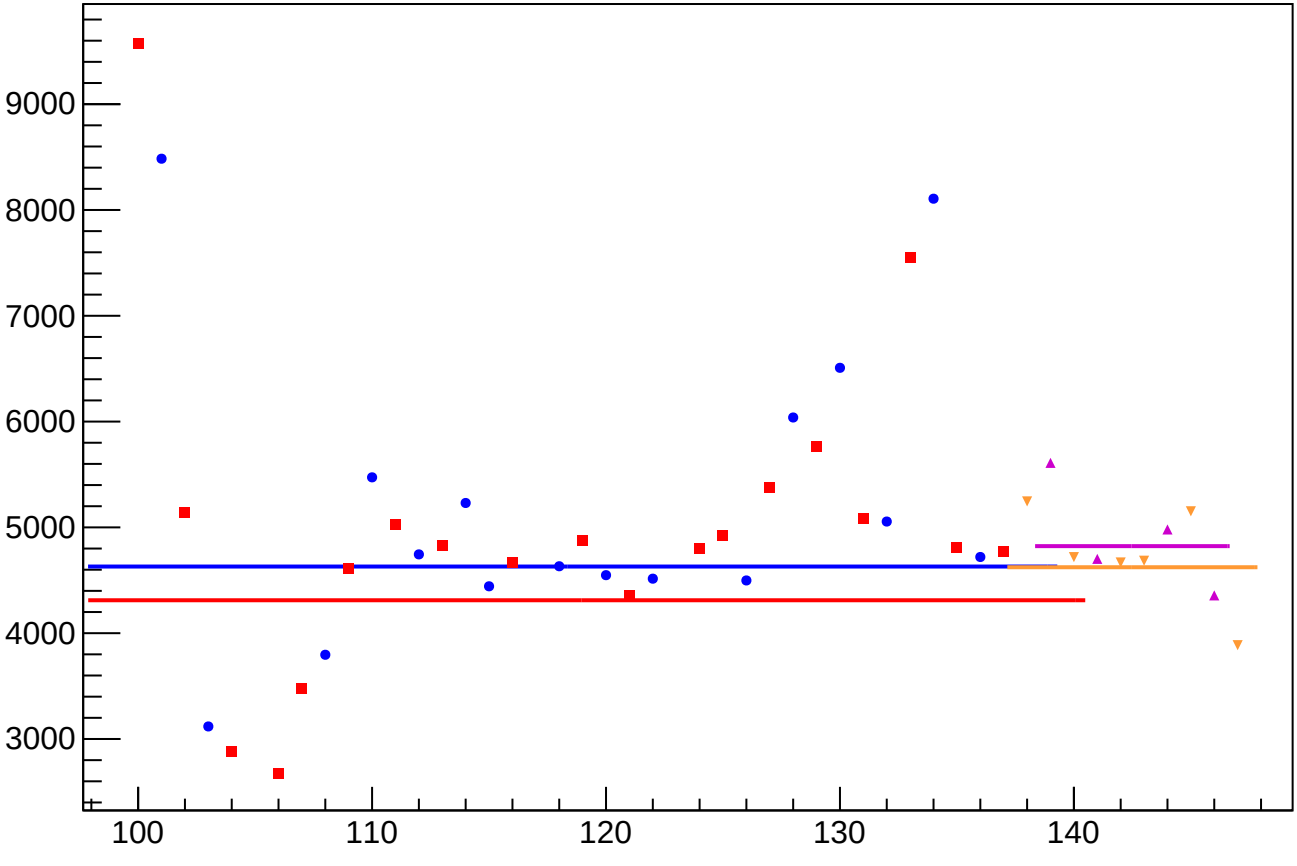
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 4176.142+/-1466.886 χ^2/NDF:14.3/19

Out: 659.261+/-1329.535 χ^2/NDF:24.3/24

All: 2245.380+/-985.112 χ^2/NDF: 41.7/44

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4623.277+/-1.551 χ^2/NDF:99123.0/5

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4822.746+/-1.827 χ^2/NDF:56635.6/3

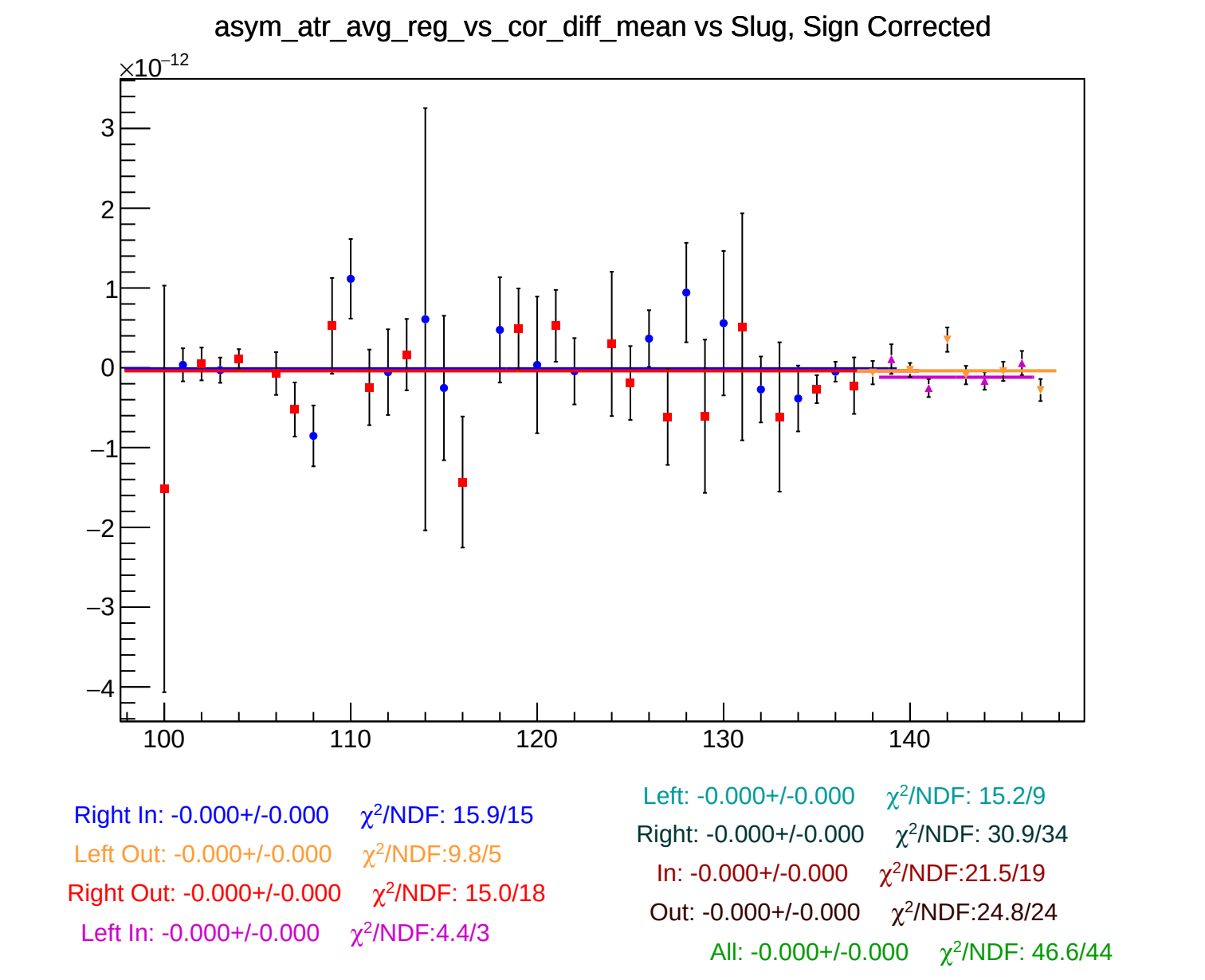
Left: 4706.811+/-1.182 χ^2/NDF: 162688.8/9

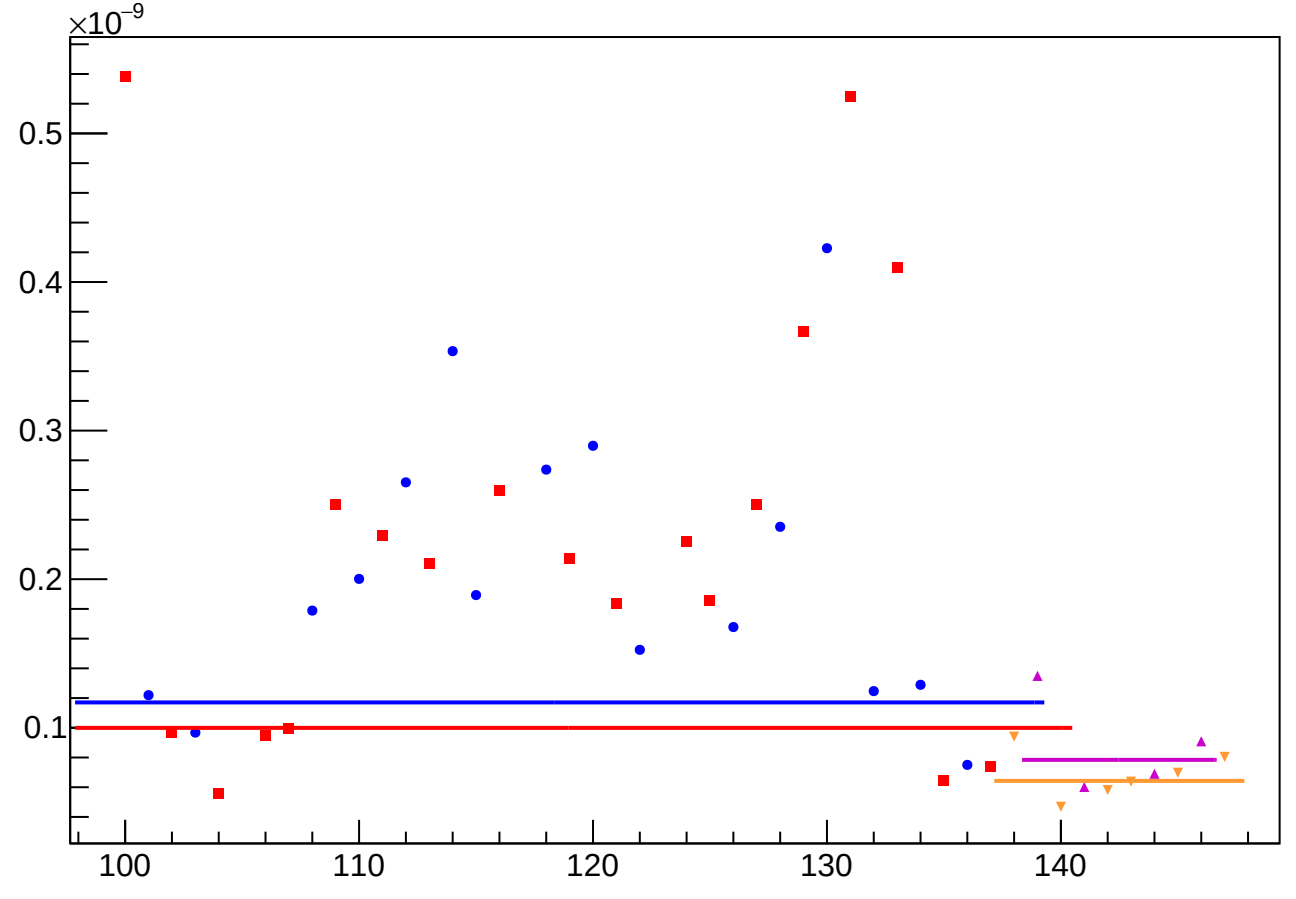
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4692.122+/-1.037 χ^2/NDF:964428.3/19

Out: 4424.674+/-0.935 χ^2/NDF:1029637.1/24

All: 4544.564+/-0.694 χ^2/NDF: 2030746.6/44


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:9.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:4.4/3
Left: -0.000+/-0.000 χ²/NDF: 15.2/9
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:21.5/19
Out: -0.000+/-0.000 χ²/NDF:24.8/24
All: -0.000+/-0.000 χ²/NDF: 46.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:197709.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:265037.2/3

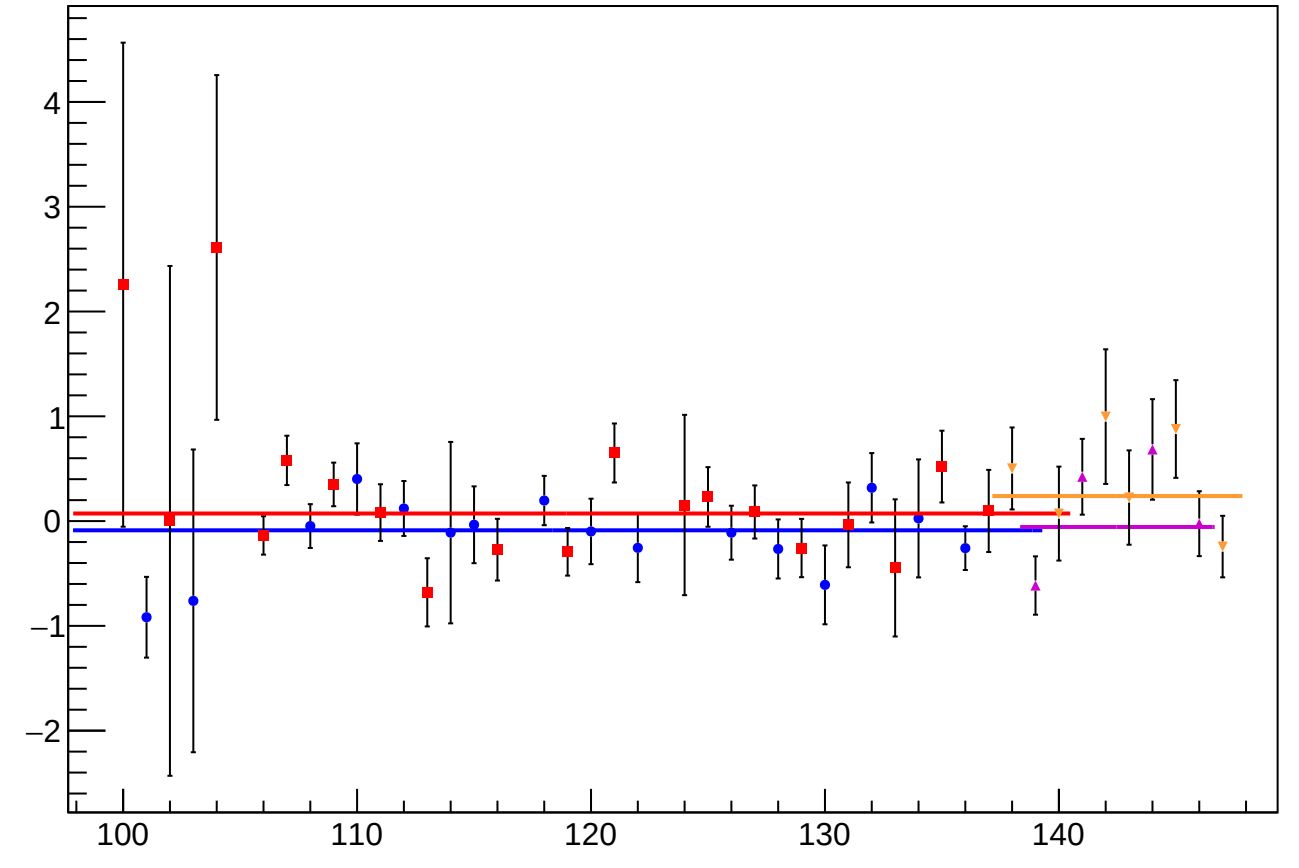
Left: 0.000+/-0.000 χ^2/NDF: 522309.4/9

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:1663296.6/19

Out: 0.000+/-0.000 χ^2/NDF:2373923.2/24

All: 0.000+/-0.000 χ^2/NDF: 4227268.5/44



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.056+/-0.168 χ^2/NDF:8.2/3

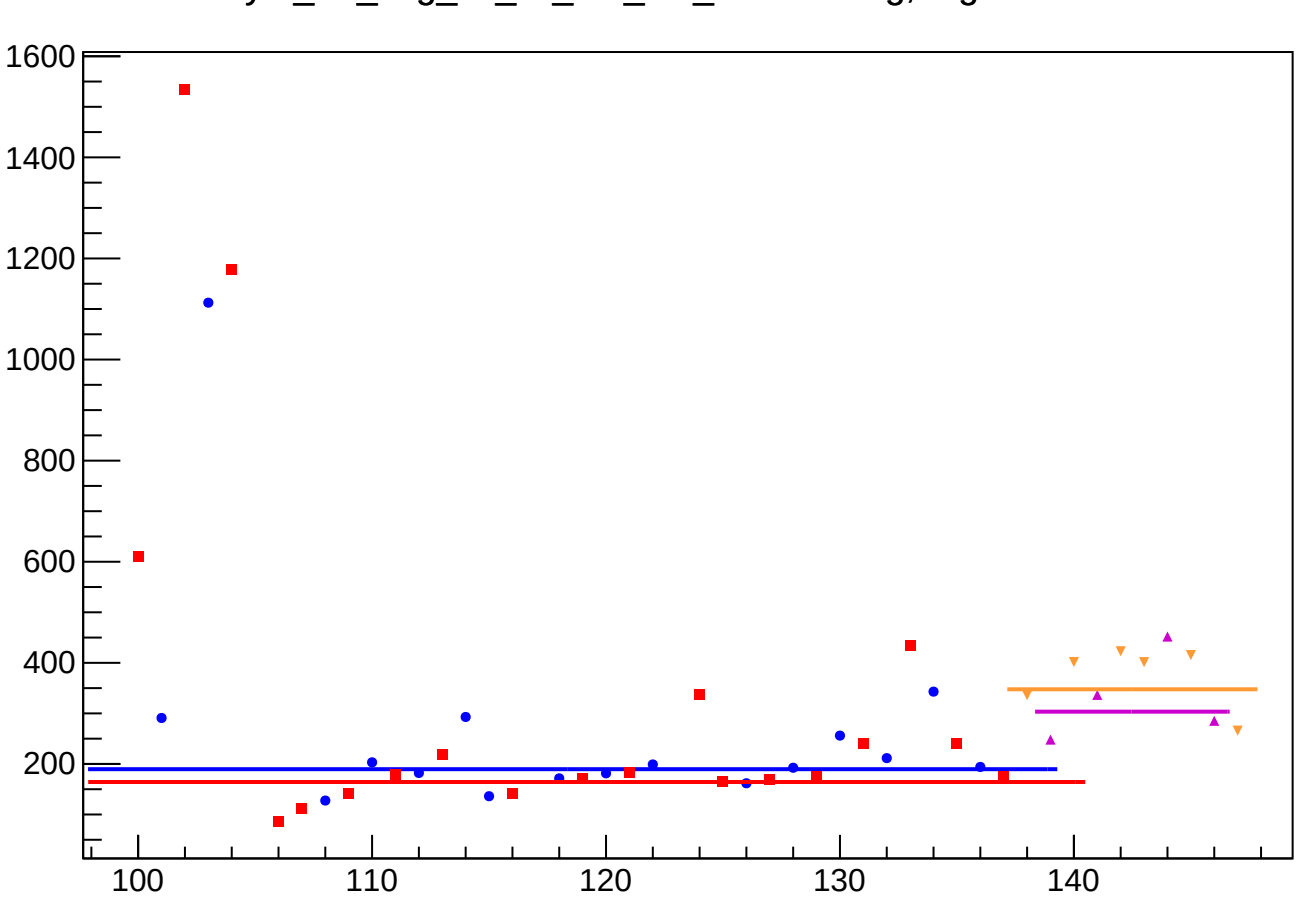
Left: 0.091+/-0.119 χ^2/NDF: 16.3/9

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.082+/-0.070 χ^2/NDF:22.1/19

Out: 0.097+/-0.065 χ^2/NDF:36.1/24

All: 0.014+/-0.047 χ^2/NDF: 61.7/44



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 347.682+/-0.119 χ^2/NDF:284020.1/5

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 303.415+/-0.119 χ^2/NDF:294298.4/3

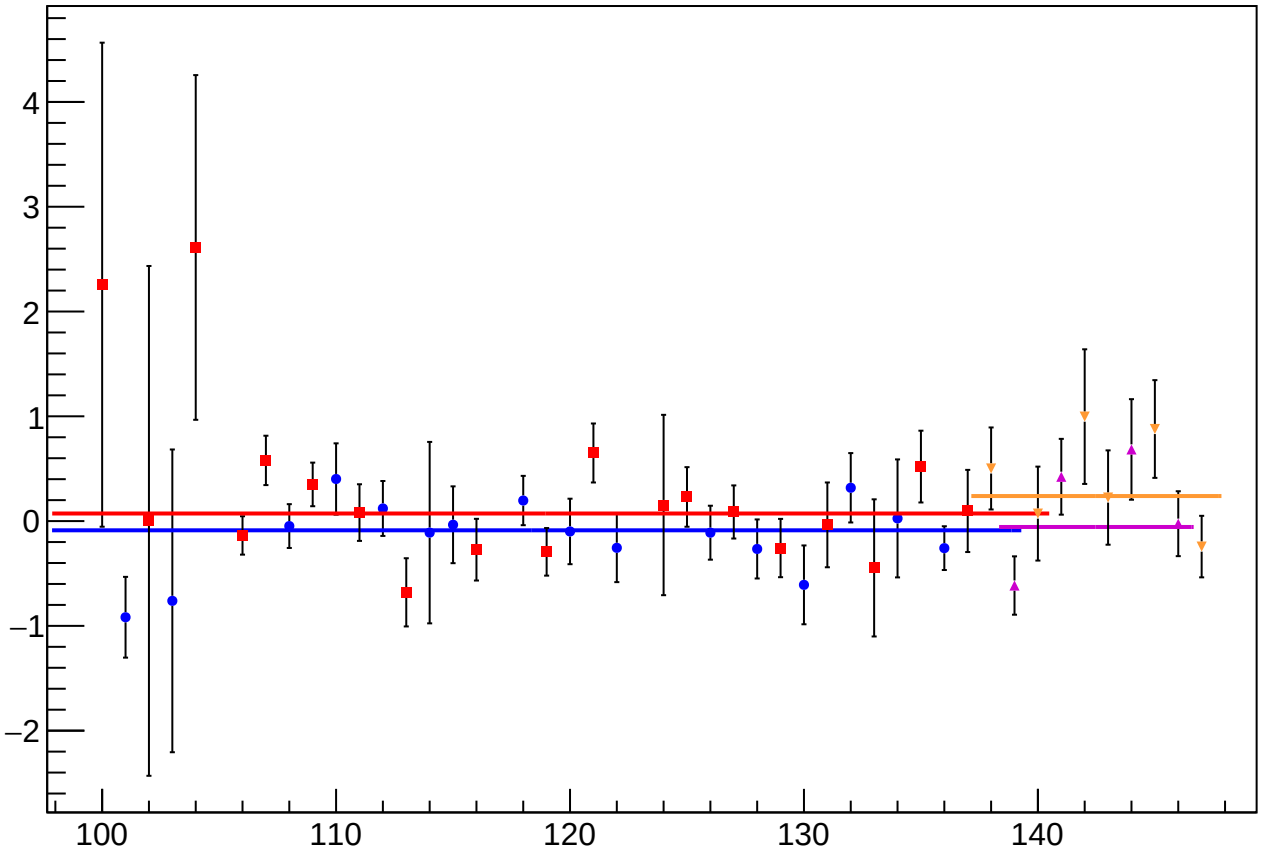
Left: 325.473+/-0.084 χ^2/NDF: 647258.7/9

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 209.225+/-0.049 χ^2/NDF:2516511.7/19

Out: 191.184+/-0.046 χ^2/NDF:4940130.9/24

All: 199.513+/-0.034 χ^2/NDF: 7528479.8/44



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.056+/-0.168 χ^2/NDF:8.2/3

Left: 0.091+/-0.119 χ^2/NDF: 16.3/9

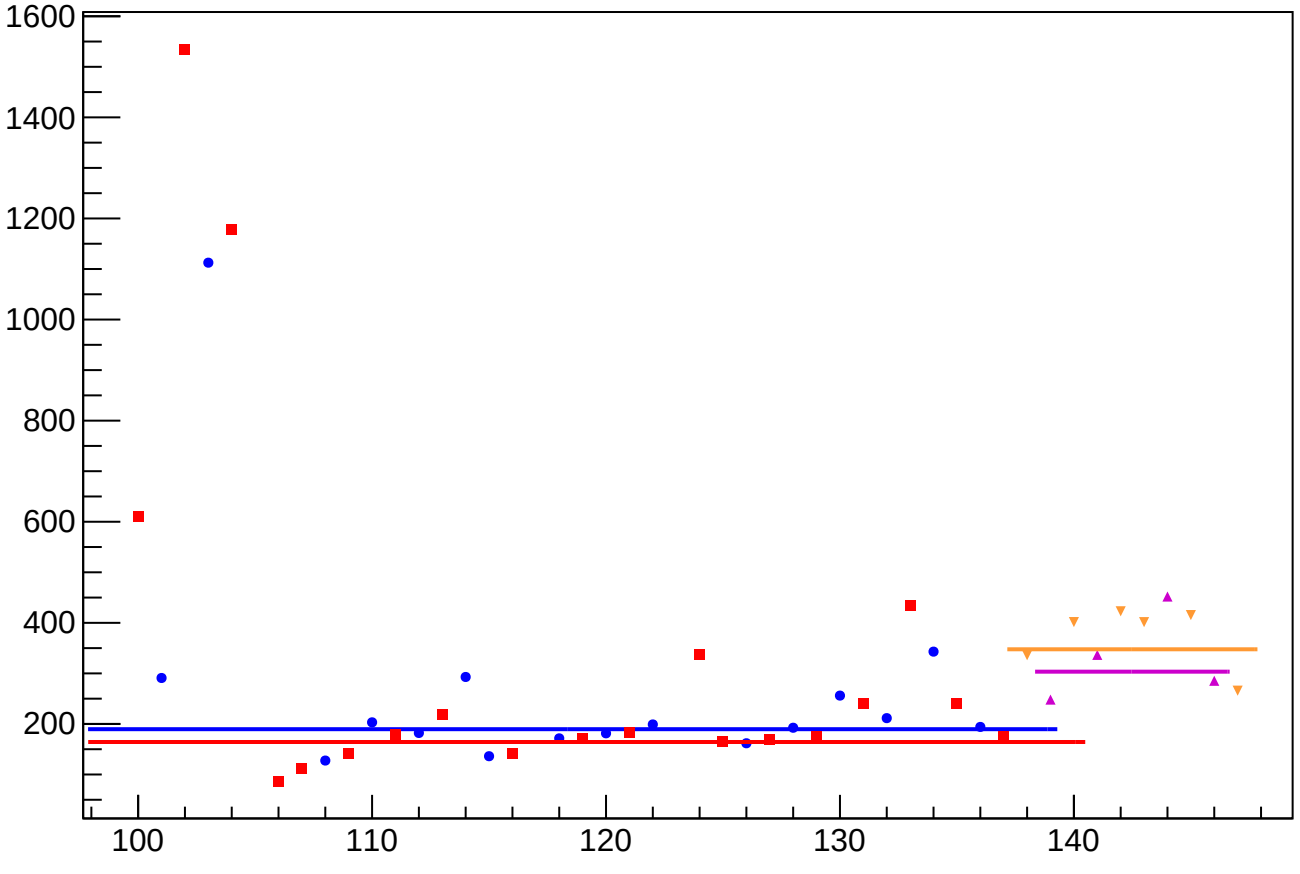
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.082+/-0.070 χ^2/NDF:22.1/19

Out: 0.097+/-0.065 χ^2/NDF:36.1/24

All: 0.014+/-0.047 χ^2/NDF: 61.7/44

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 347.682+/-0.119 χ^2/NDF:284020.1/5

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 303.415+/-0.119 χ^2/NDF:294298.4/3

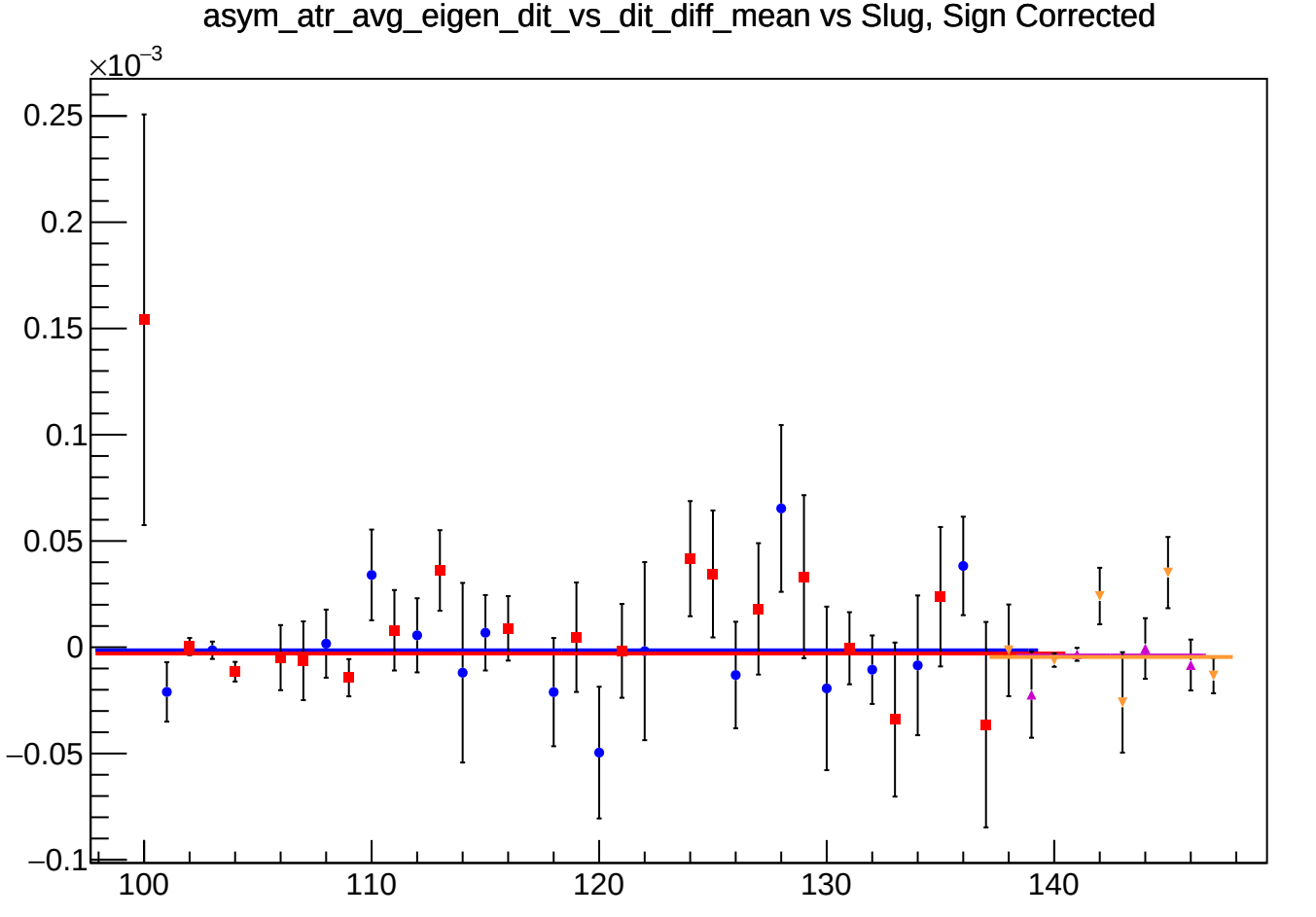
Left: 325.473+/-0.084 χ^2/NDF: 647258.7/9

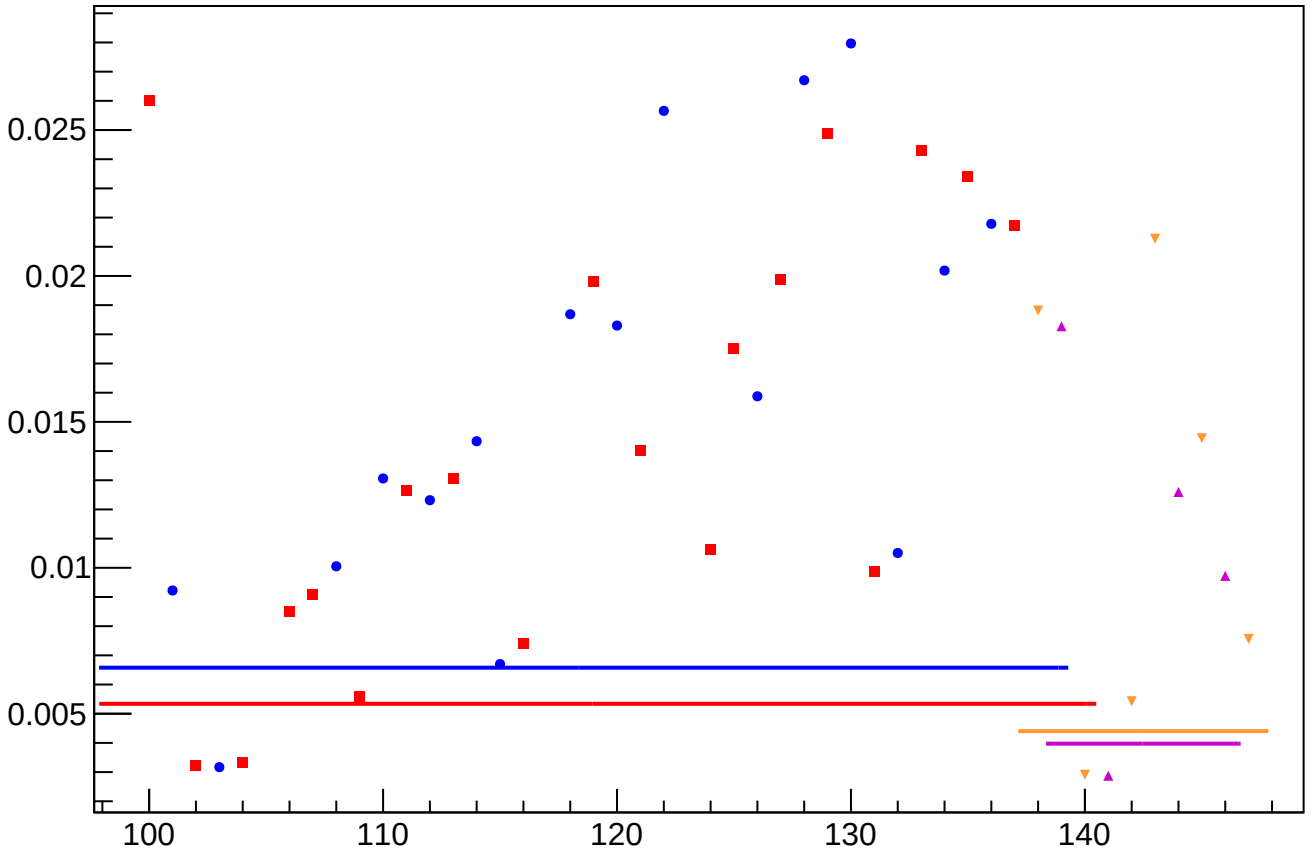
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 209.225+/-0.049 χ^2/NDF:2516511.7/19

Out: 191.184+/-0.046 χ^2/NDF:4940130.9/24

All: 199.513+/-0.034 χ^2/NDF: 7528479.8/44


asym_atr_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
Right In: -0.000+/-0.000 χ²/NDF: 14.8/15
Left Out: -0.000+/-0.000 χ²/NDF:12.4/5
Right Out: -0.000+/-0.000 χ²/NDF: 21.3/18
Left In: -0.000+/-0.000 χ²/NDF:1.1/3
Left: -0.000+/-0.000 χ²/NDF: 13.5/9
Right: -0.000+/-0.000 χ²/NDF: 36.3/34
In: -0.000+/-0.000 χ²/NDF:16.2/19
Out: -0.000+/-0.000 χ²/NDF:33.9/24
All: -0.000+/-0.000 χ²/NDF: 50.2/44



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:3372866.5/5

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.004+/-0.000 χ^2/NDF:2448719.4/3

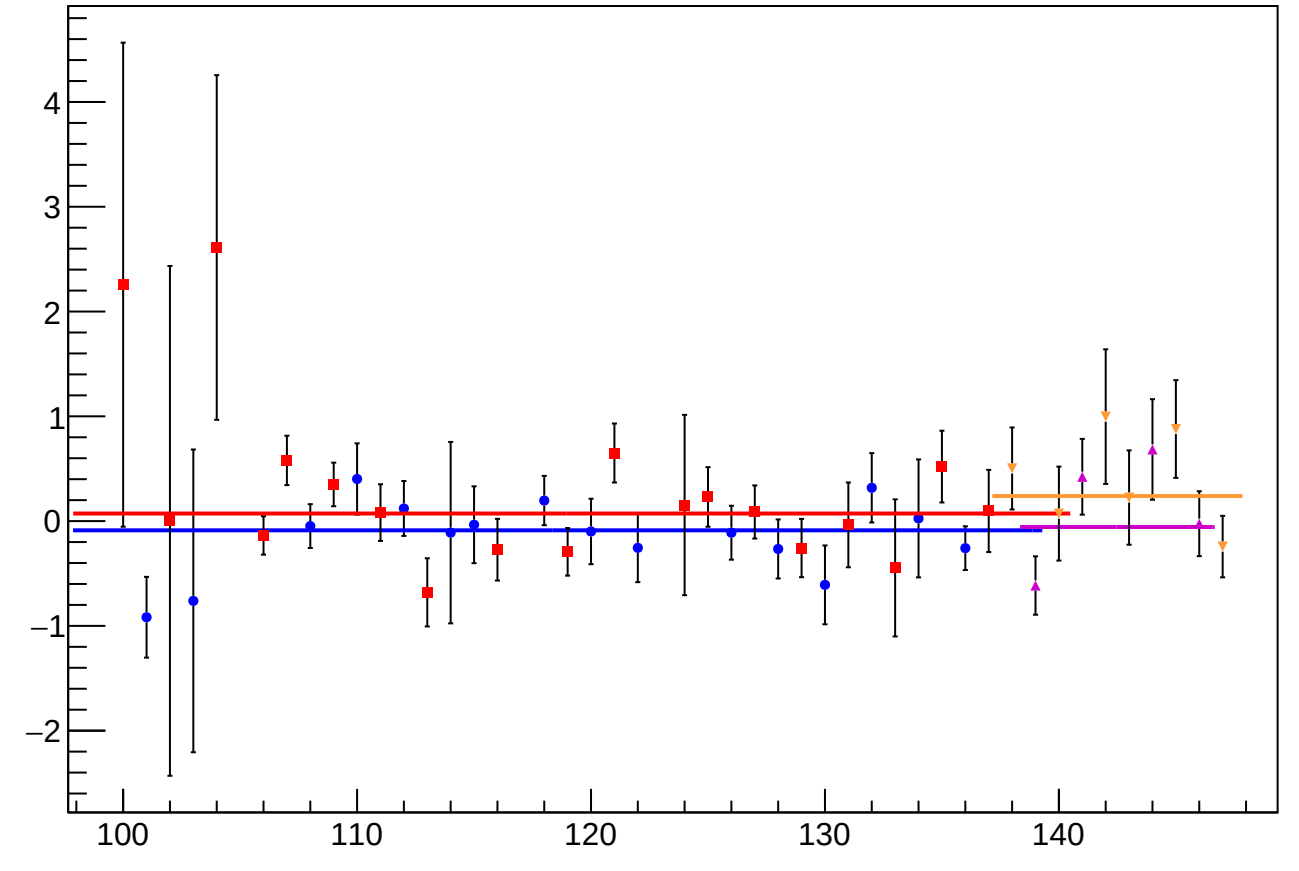
Left: 0.004+/-0.000 χ^2/NDF: 5844502.1/9

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:9081780.5/19

Out: 0.005+/-0.000 χ^2/NDF:9180012.0/24

All: 0.005+/-0.000 χ^2/NDF: 18269339.7/44



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.056+/-0.168 χ^2/NDF:8.2/3

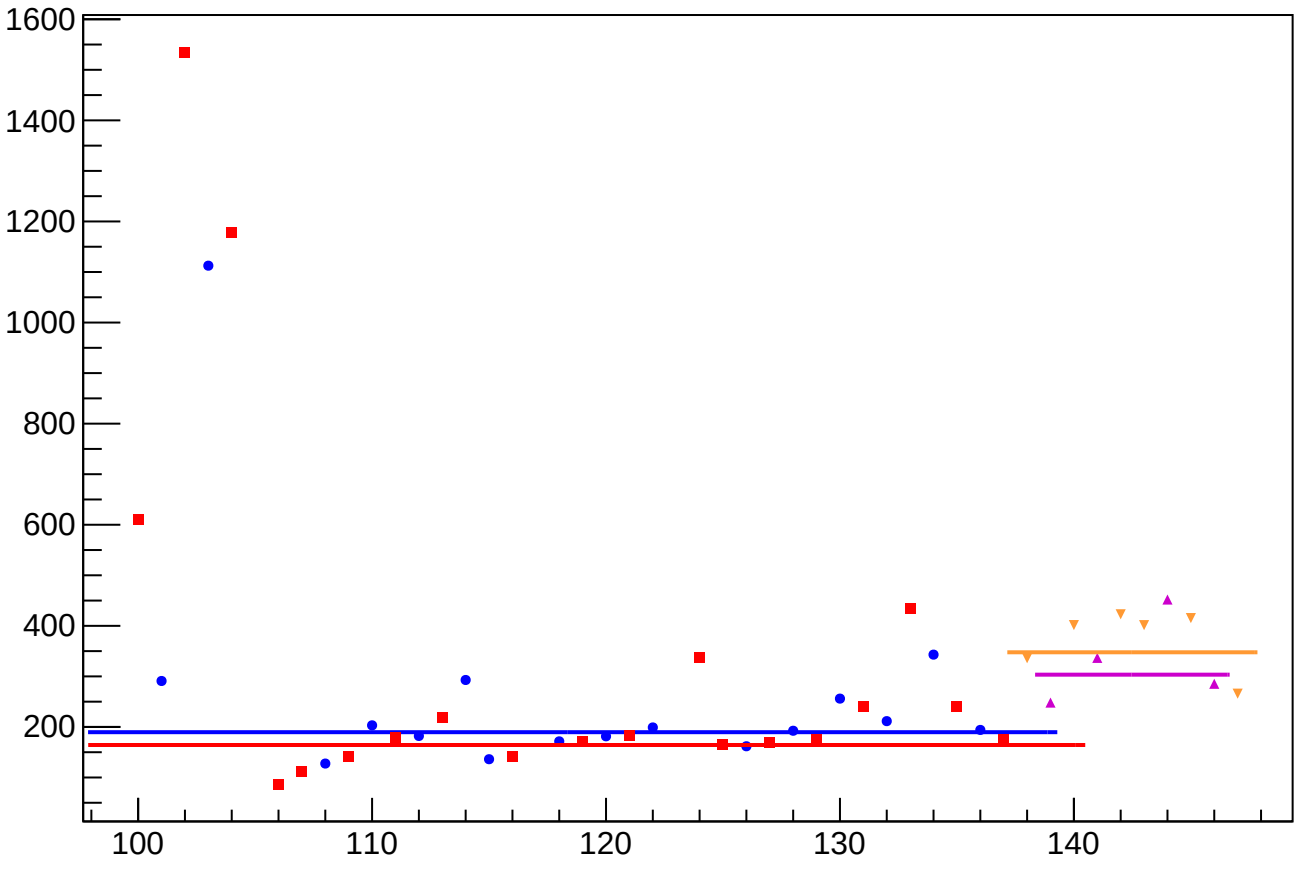
Left: 0.091+/-0.119 χ^2/NDF: 16.3/9

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.082+/-0.070 χ^2/NDF:22.1/19

Out: 0.097+/-0.065 χ^2/NDF:36.1/24

All: 0.014+/-0.047 χ^2/NDF: 61.7/44



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 347.687+/-0.119 χ^2/NDF:284008.6/5

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 303.419+/-0.119 χ^2/NDF:294288.0/3

Left: 325.477+/-0.084 χ^2/NDF: 647237.3/9

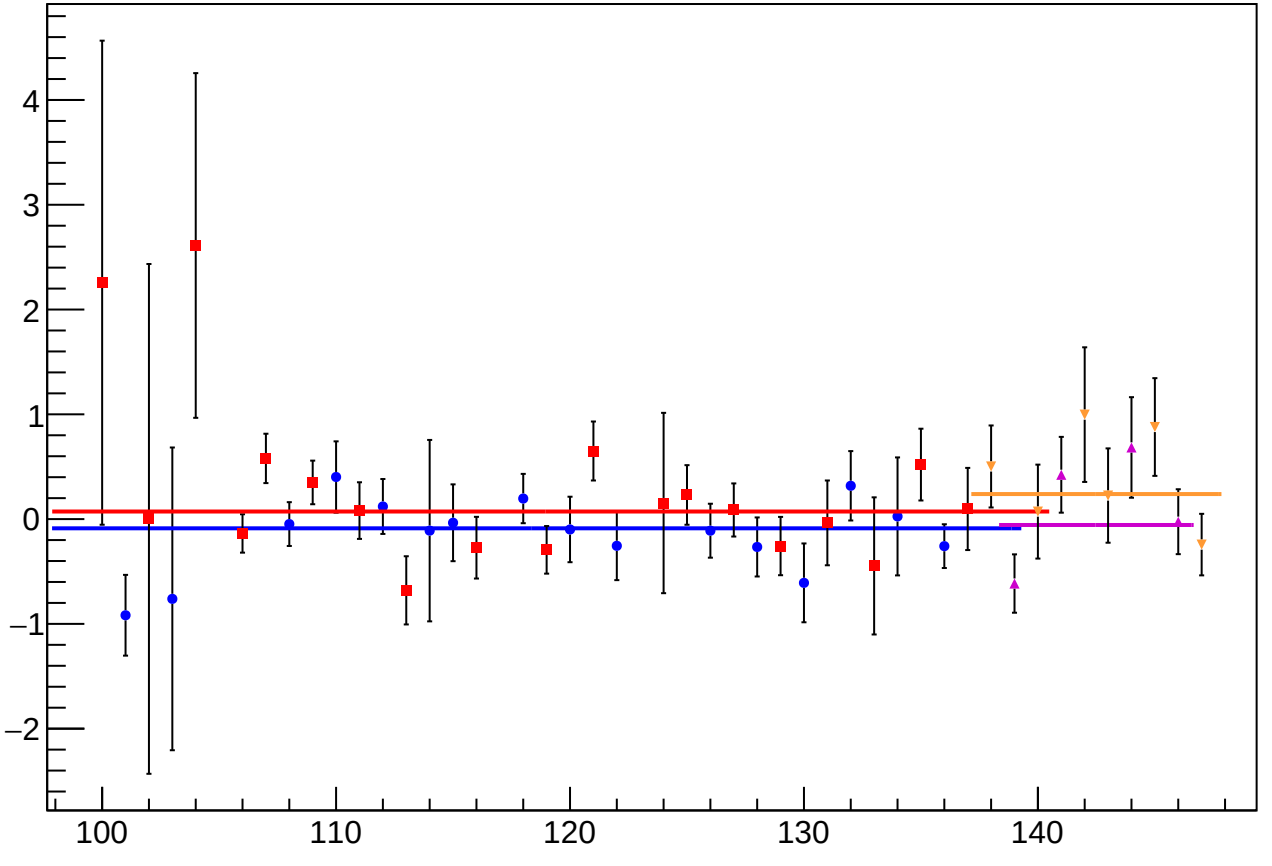
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 209.225+/-0.049 χ^2/NDF:2516537.1/19

Out: 191.184+/-0.046 χ^2/NDF:4940175.1/24

All: 199.512+/-0.034 χ^2/NDF: 7528552.5/44

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: 0.239+/-0.169 χ^2/NDF:6.6/5

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.056+/-0.168 χ^2/NDF:8.2/3

Left: 0.091+/-0.119 χ^2/NDF: 16.3/9

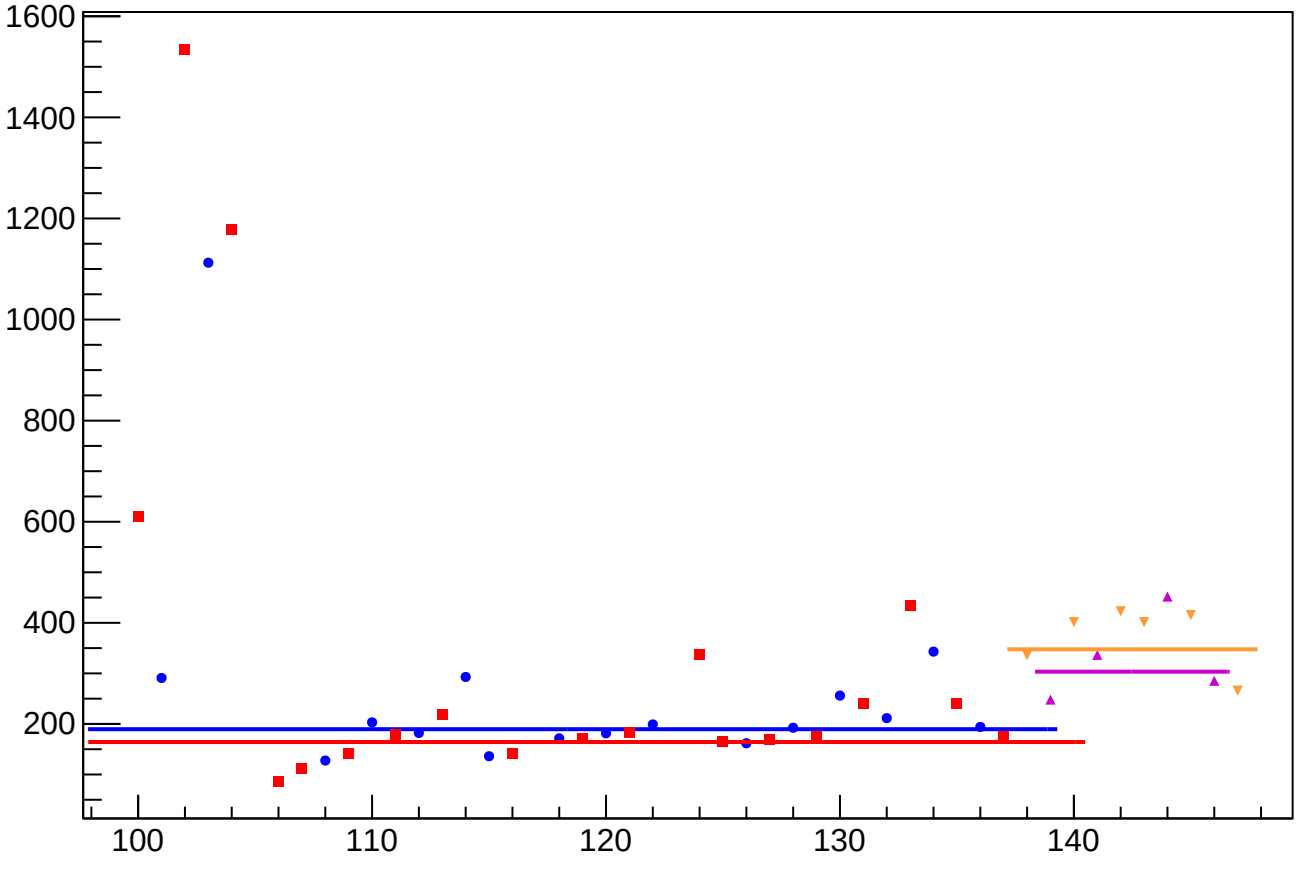
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.082+/-0.070 χ^2/NDF:22.1/19

Out: 0.097+/-0.065 χ^2/NDF:36.1/24

All: 0.014+/-0.047 χ^2/NDF: 61.7/44

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: 347.687+/-0.119 χ^2/NDF:284008.6/5

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 303.419+/-0.119 χ^2/NDF:294288.0/3

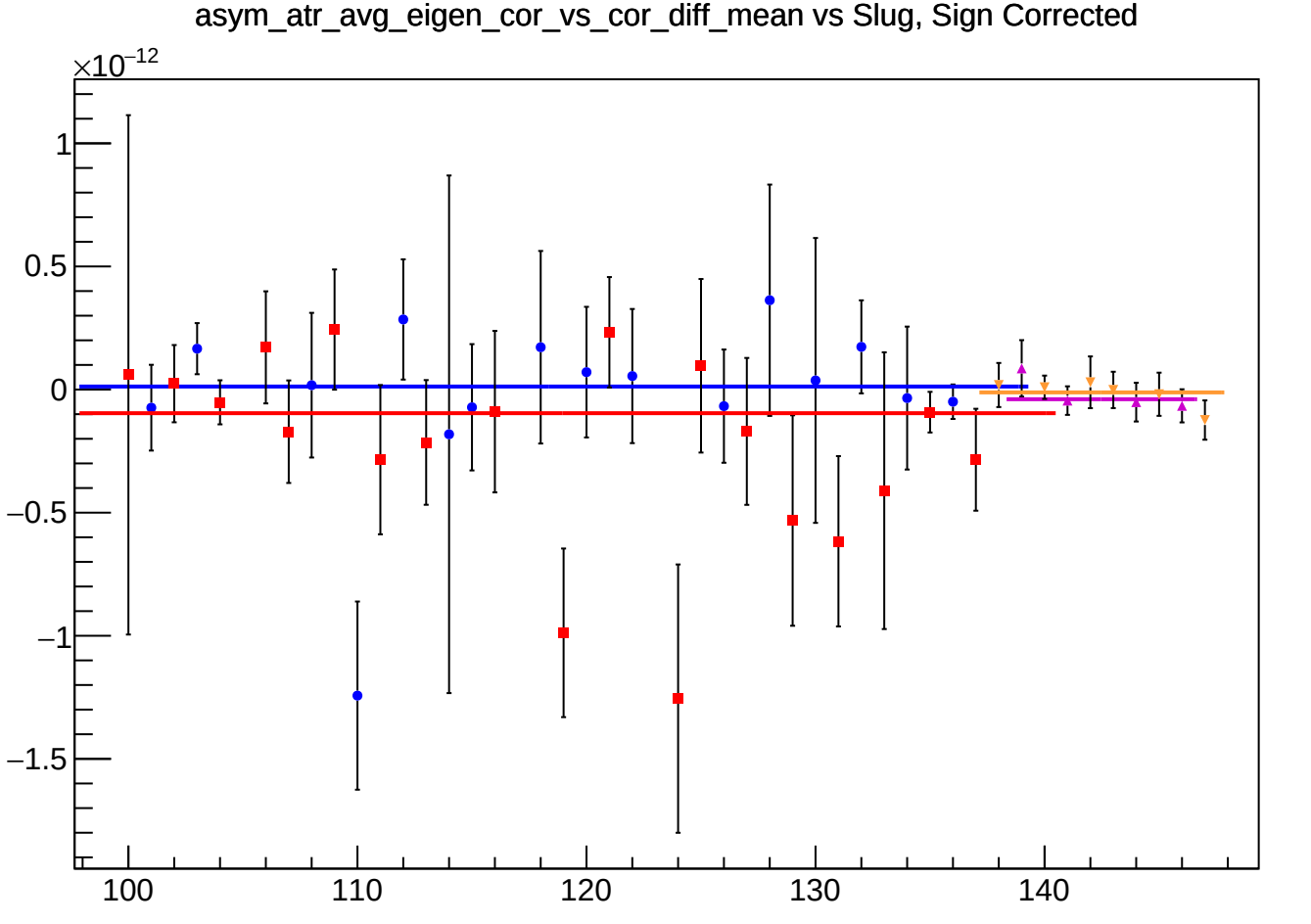
Left: 325.477+/-0.084 χ^2/NDF: 647237.3/9

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 209.225+/-0.049 χ^2/NDF:2516537.1/19

Out: 191.184+/-0.046 χ^2/NDF:4940175.1/24

All: 199.512+/-0.034 χ^2/NDF: 7528552.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

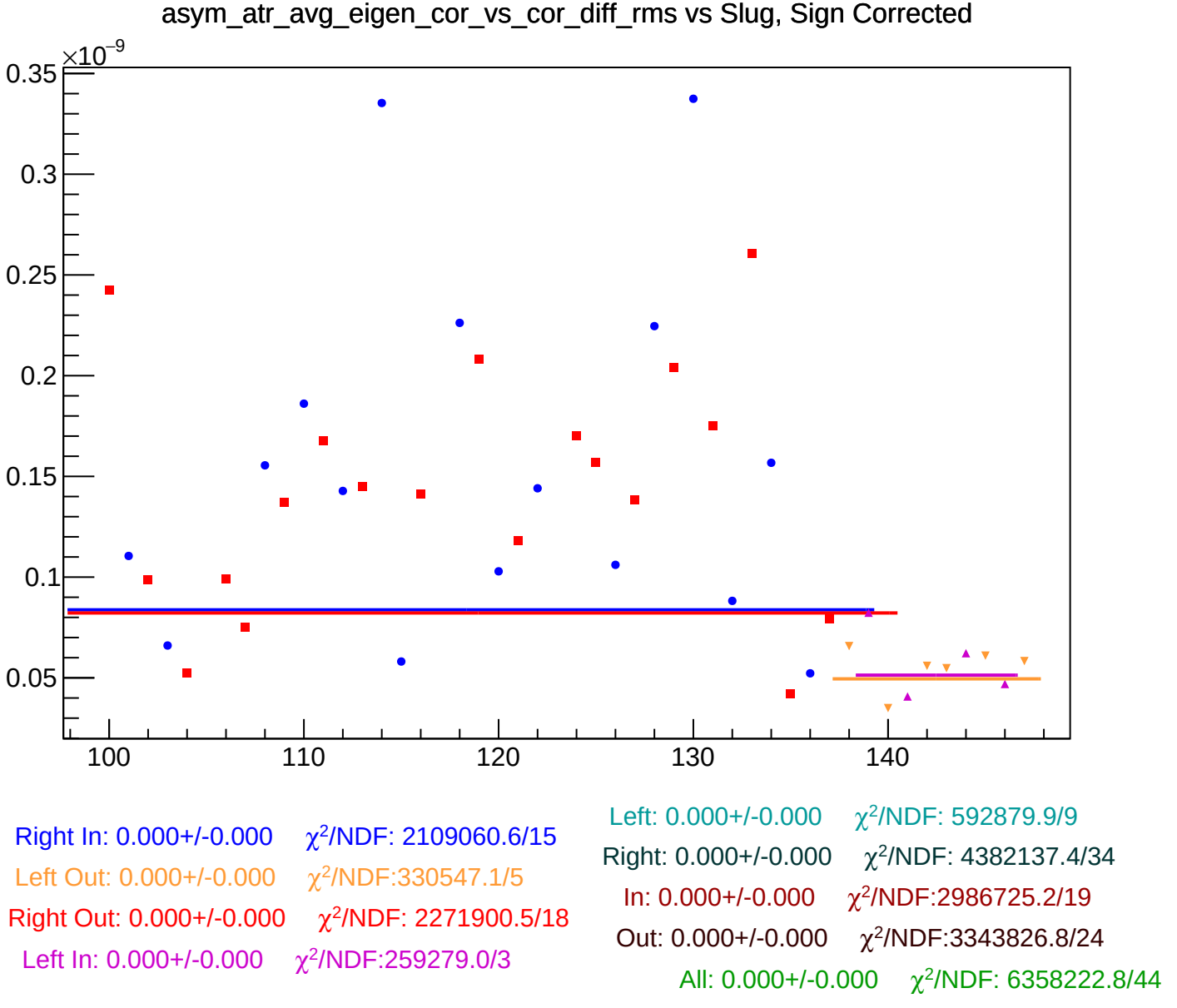
Left: -0.000+/-0.000 χ^2/NDF: 4.2/9

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

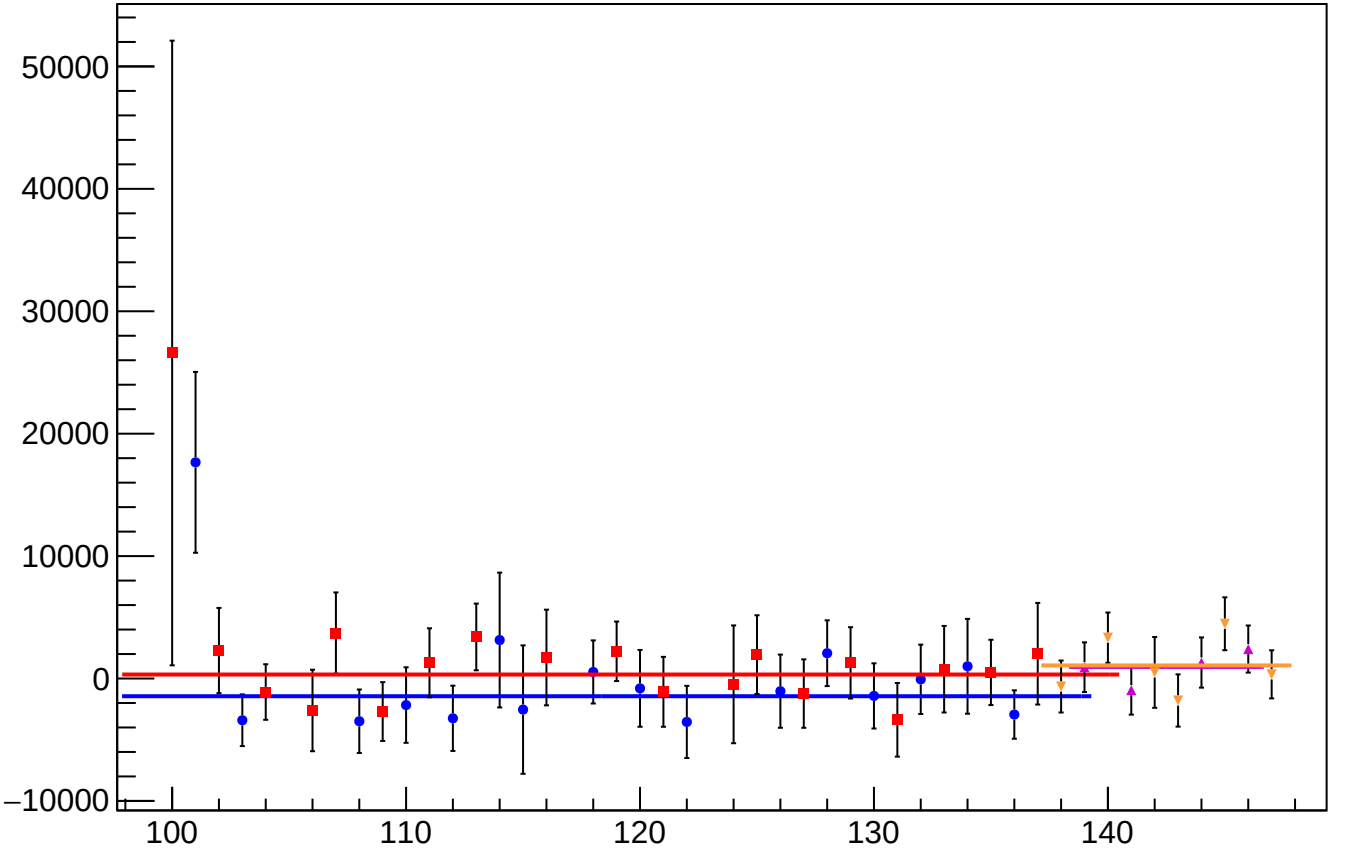
In: -0.000+/-0.000 χ^2/NDF:19.2/19

Out: -0.000+/-0.000 χ^2/NDF:28.1/24

All: -0.000+/-0.000 χ^2/NDF: 47.6/44


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2109060.6/15
Left Out: 0.000+/-0.000 χ²/NDF:330547.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 2271900.5/18
Left In: 0.000+/-0.000 χ²/NDF:259279.0/3
Left: 0.000+/-0.000 χ²/NDF: 592879.9/9
Right: 0.000+/-0.000 χ²/NDF: 4382137.4/34
In: 0.000+/-0.000 χ²/NDF:2986725.2/19
Out: 0.000+/-0.000 χ²/NDF:3343826.8/24
All: 0.000+/-0.000 χ²/NDF: 6358222.8/44

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1067.997+/-886.721 χ^2/NDF:6.3/5

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: 947.188+/-999.935 χ^2/NDF:1.5/3

Left: 1014.816+/-663.438 χ^2/NDF: 7.9/9

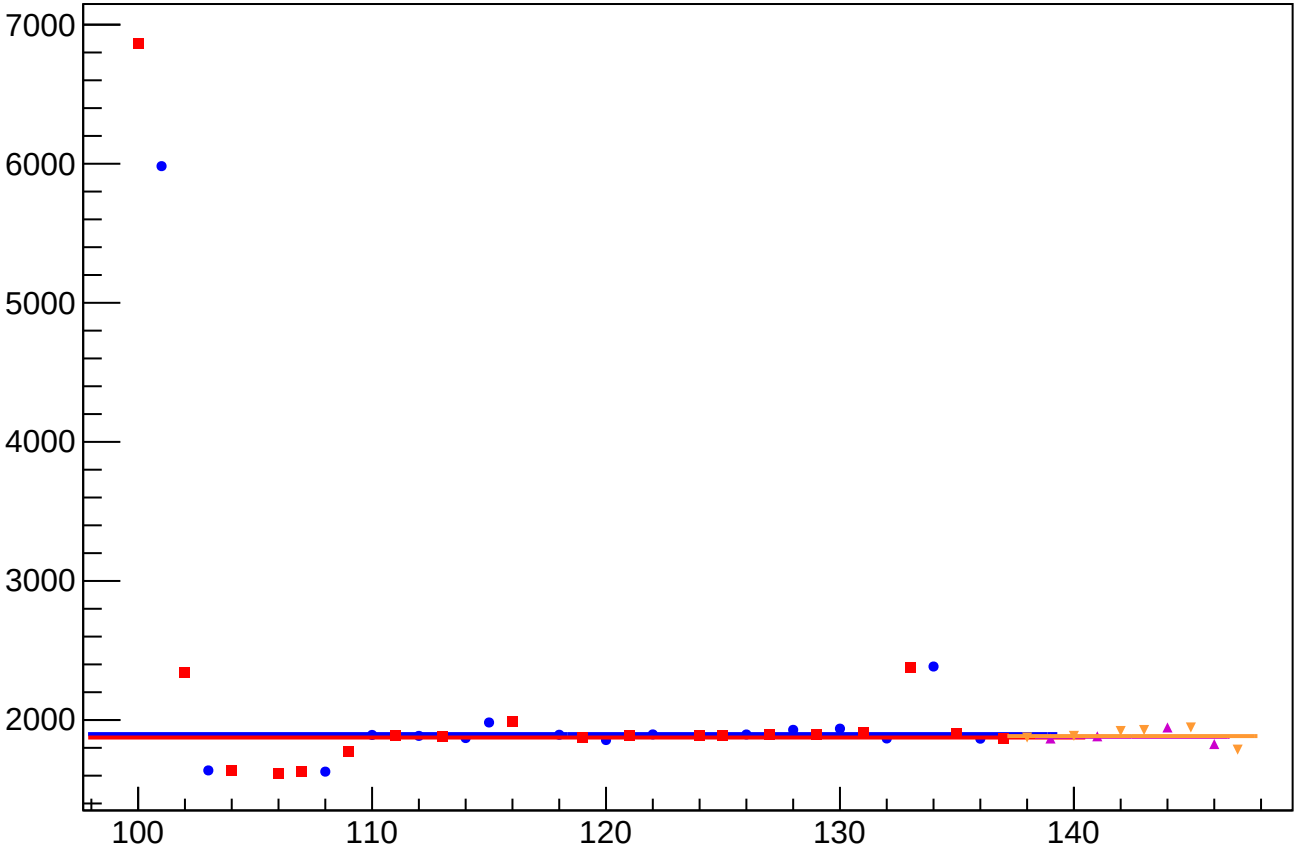
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -624.536+/-585.966 χ^2/NDF:18.8/19

Out: 612.145+/-550.709 χ^2/NDF:16.7/24

All: 32.128+/-401.296 χ^2/NDF: 37.9/44

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1884.501+/-0.627 χ^2/NDF:7771.1/5

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

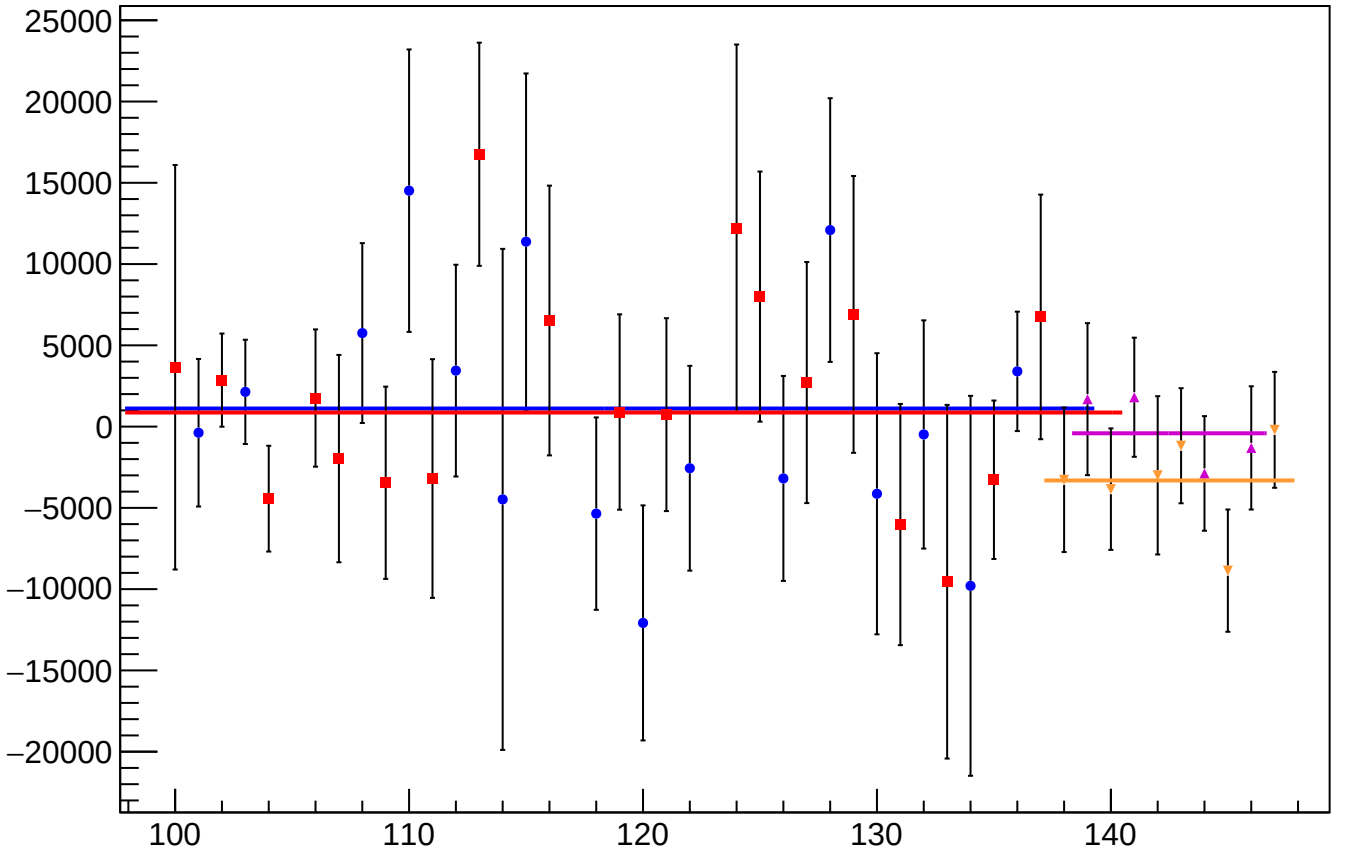
Left: 1882.222+/-0.469 χ^2/NDF: 11489.8/9

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1892.129+/-0.414 χ^2/NDF:701702.4/19

Out: 1878.188+/-0.389 χ^2/NDF:215593.5/24

All: 1884.712+/-0.283 χ^2/NDF: 917898.1/44



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -3312.428+/-1594.098 χ^2/NDF:3.3/5

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -411.236+/-1923.777 χ^2/NDF:1.1/3

Left: -2131.352+/-1227.455 χ^2/NDF: 5.8/9

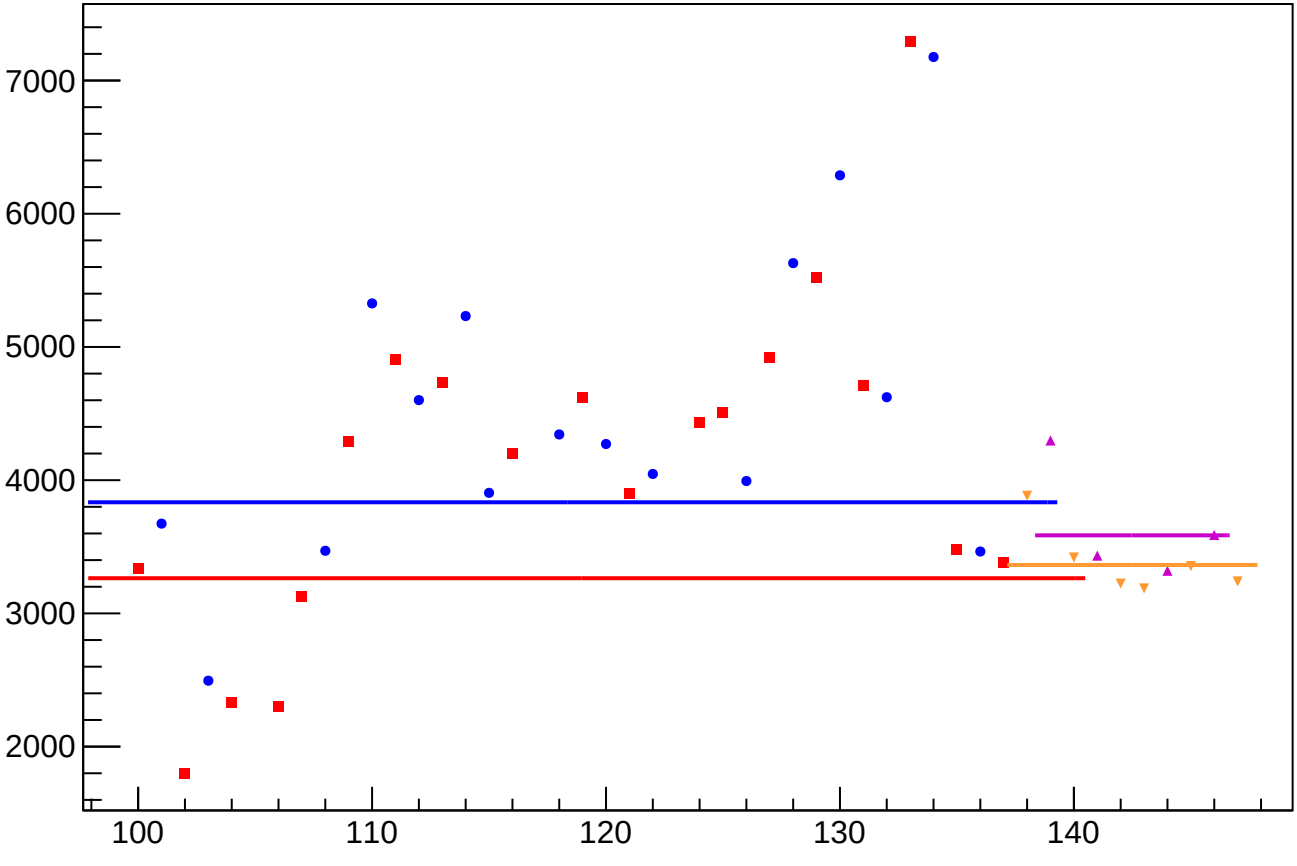
Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 546.455+/-1172.667 χ^2/NDF:14.9/19

Out: -813.480+/-1010.814 χ^2/NDF:23.1/24

All: -233.768+/-765.635 χ^2/NDF: 38.7/44

asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3363.578+/-1.127 χ^2/NDF:36750.1/5

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3586.027+/-1.360 χ^2/NDF:61192.1/3

Left: 3454.137+/-0.868 χ^2/NDF: 113796.9/9

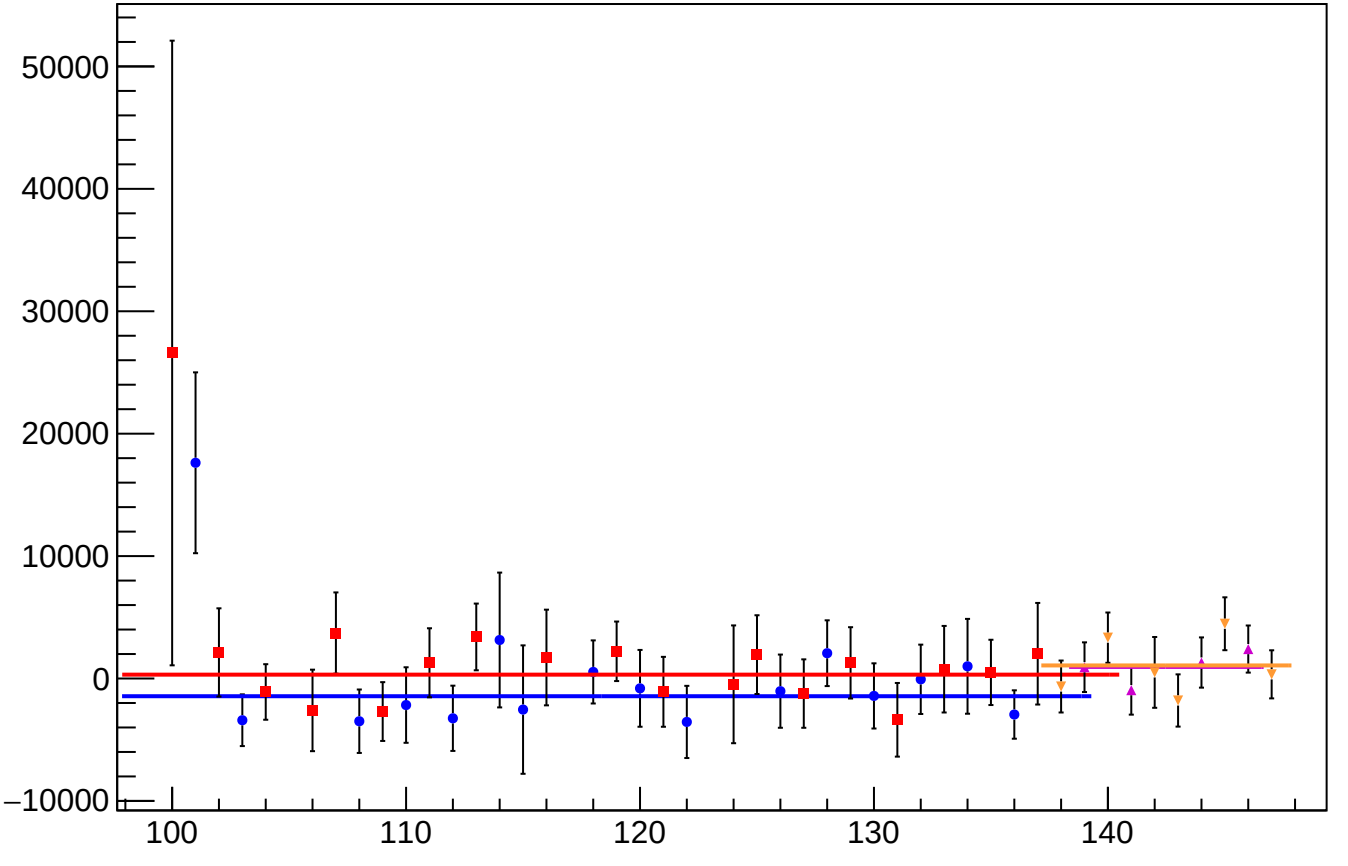
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3741.964+/-0.829 χ^2/NDF:1038878.0/19

Out: 3304.104+/-0.715 χ^2/NDF:1905647.4/24

All: 3490.755+/-0.541 χ^2/NDF: 3104499.9/44

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1068.057+/-886.721 χ^2/NDF:6.3/5

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 947.131+/-999.935 χ^2/NDF:1.5/3

Left: 1014.824+/-663.438 χ^2/NDF: 7.9/9

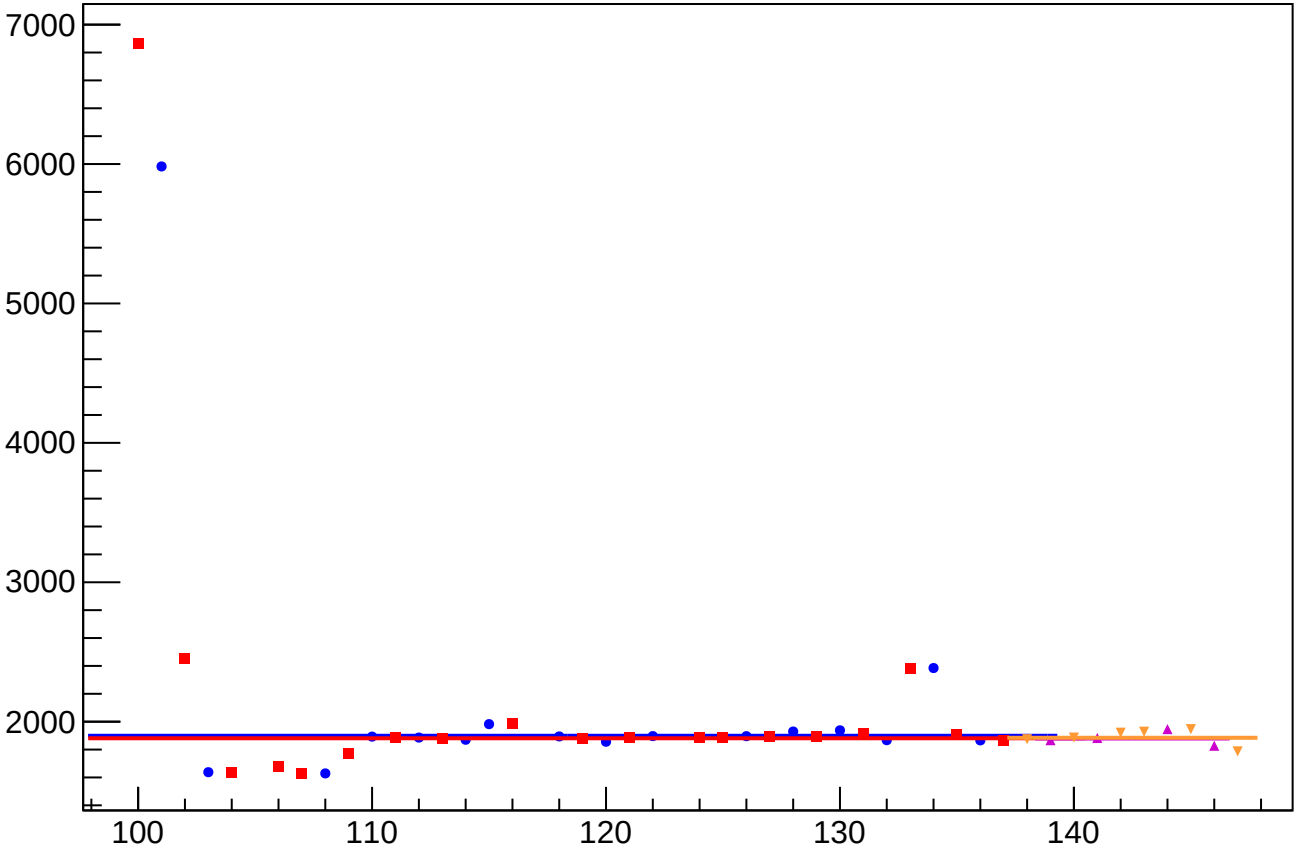
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -624.809+/-585.966 χ^2/NDF:18.7/19

Out: 606.233+/-551.164 χ^2/NDF:16.7/24

All: 28.353+/-401.472 χ^2/NDF: 37.7/44

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1884.501+/-0.627 χ^2/NDF:7771.1/5

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

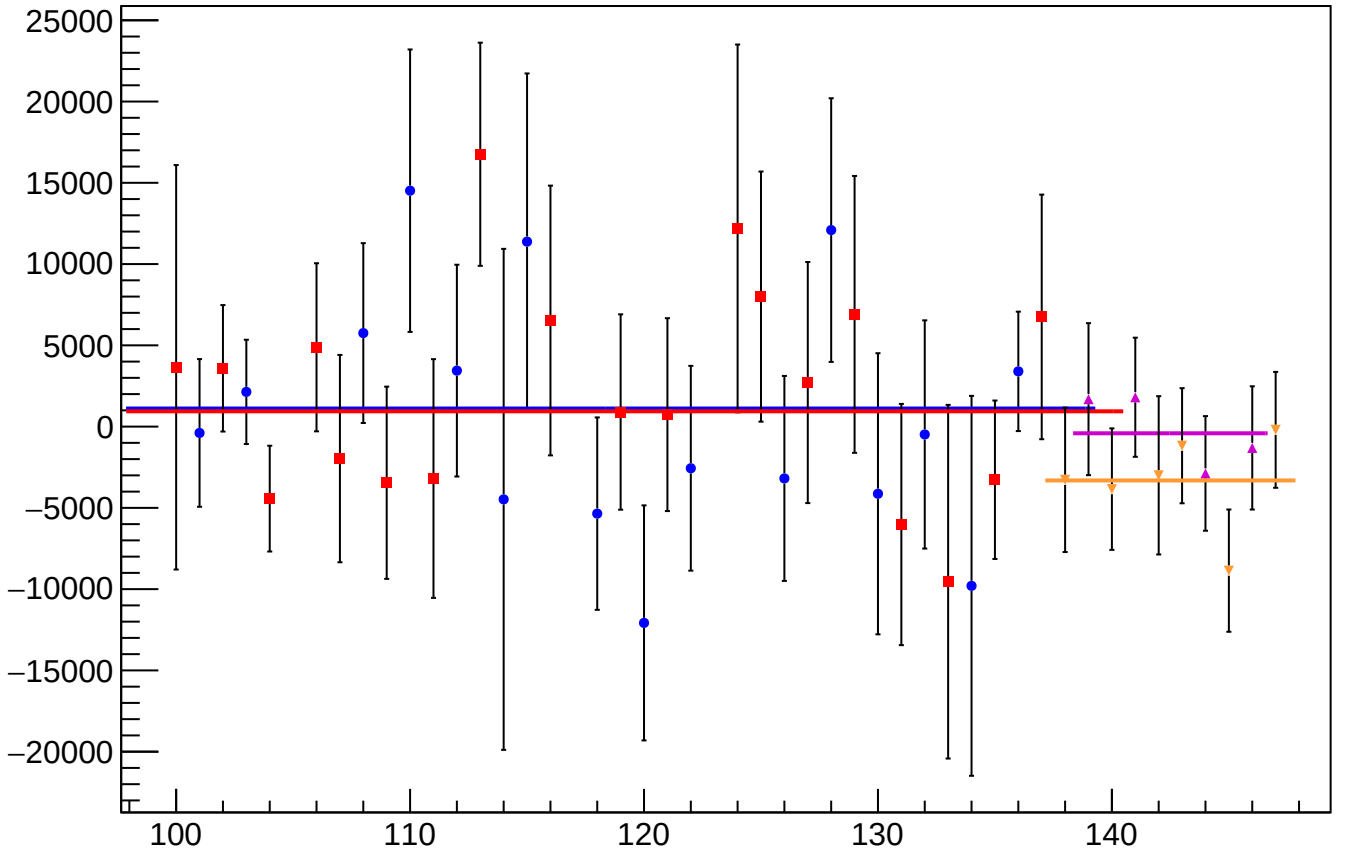
Left: 1882.222+/-0.469 χ^2/NDF: 11489.8/9

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1892.129+/-0.414 χ^2/NDF:701702.5/19

Out: 1882.354+/-0.389 χ^2/NDF:224354.6/24

All: 1886.938+/-0.284 χ^2/NDF: 926352.6/44



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3312.190+/-1594.094 χ^2/NDF:3.3/5

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -411.370+/-1923.771 χ^2/NDF:1.1/3

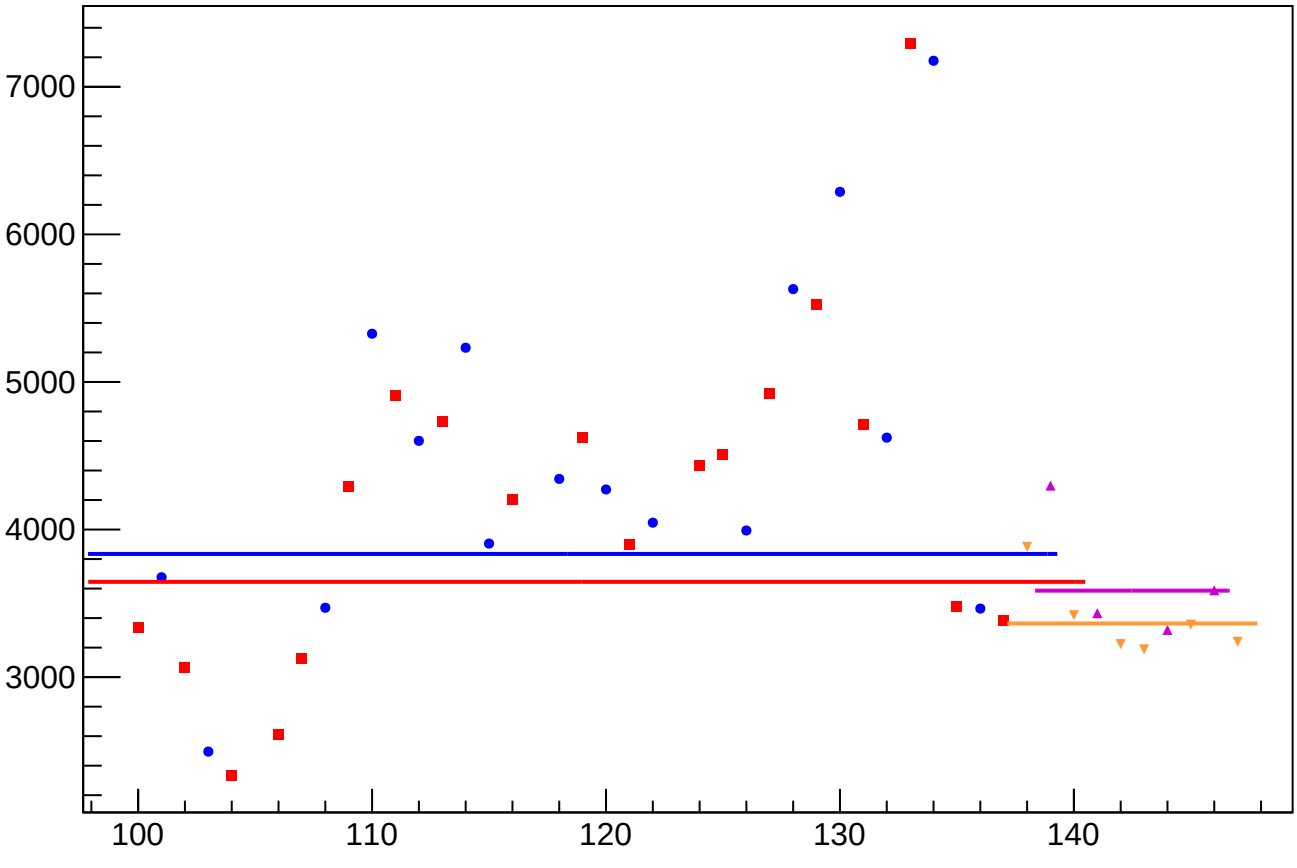
Left: -2131.264+/-1227.452 χ^2/NDF: 5.8/9

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 545.584+/-1172.752 χ^2/NDF:14.9/19

Out: -909.691+/-1051.488 χ^2/NDF:23.5/24

All: -261.159+/-782.887 χ^2/NDF: 39.3/44



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3363.570+/-1.127 χ^2/NDF:36752.1/5

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3586.015+/-1.360 χ^2/NDF:61192.3/3

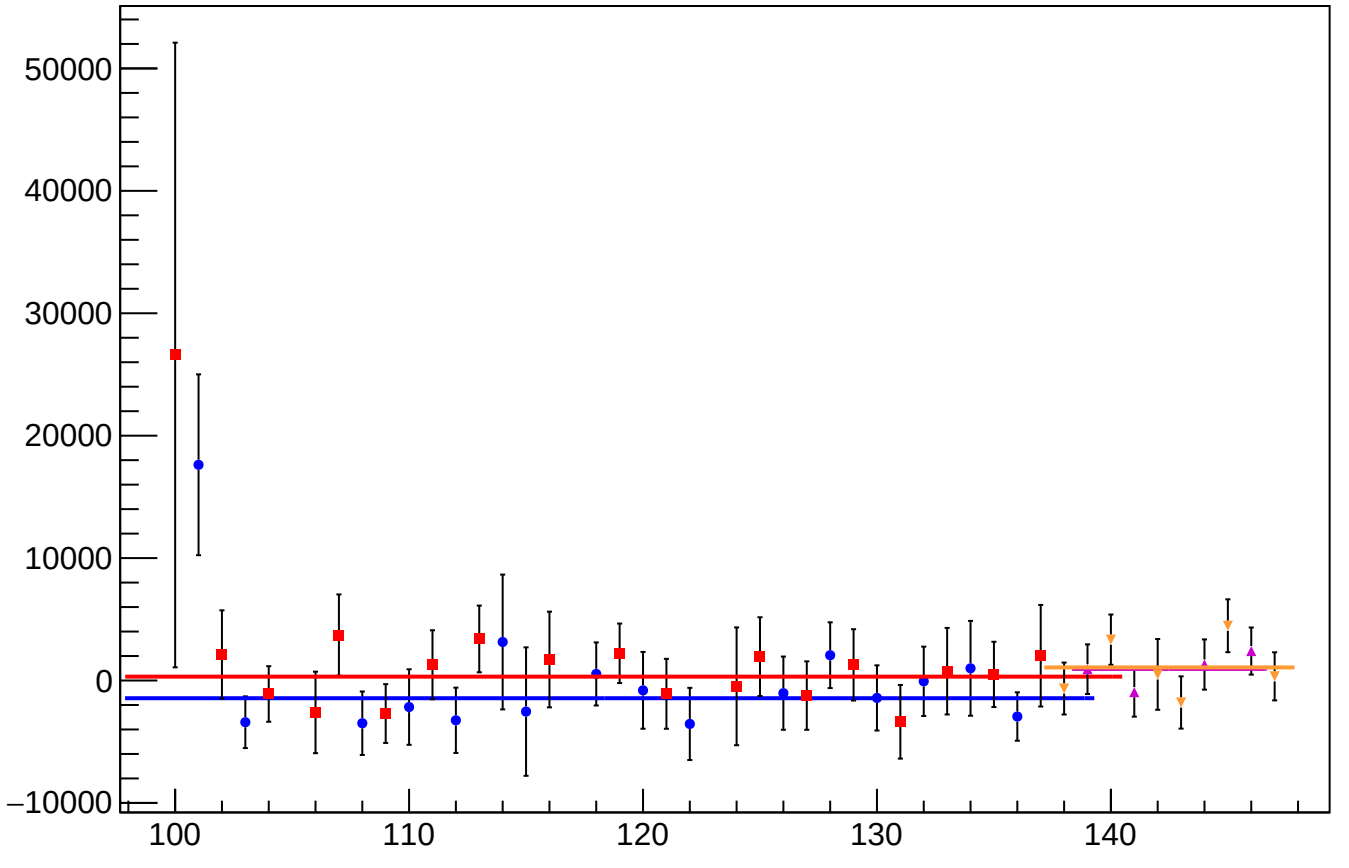
Left: 3454.128+/-0.868 χ^2/NDF: 113798.7/9

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3742.276+/-0.829 χ^2/NDF:1038503.8/19

Out: 3522.942+/-0.744 χ^2/NDF:1197120.4/24

All: 3620.686+/-0.554 χ^2/NDF: 2274405.4/44



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1068.057+/-886.721 χ^2/NDF:6.3/5

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 947.131+/-999.935 χ^2/NDF:1.5/3

Left: 1014.824+/-663.438 χ^2/NDF: 7.9/9

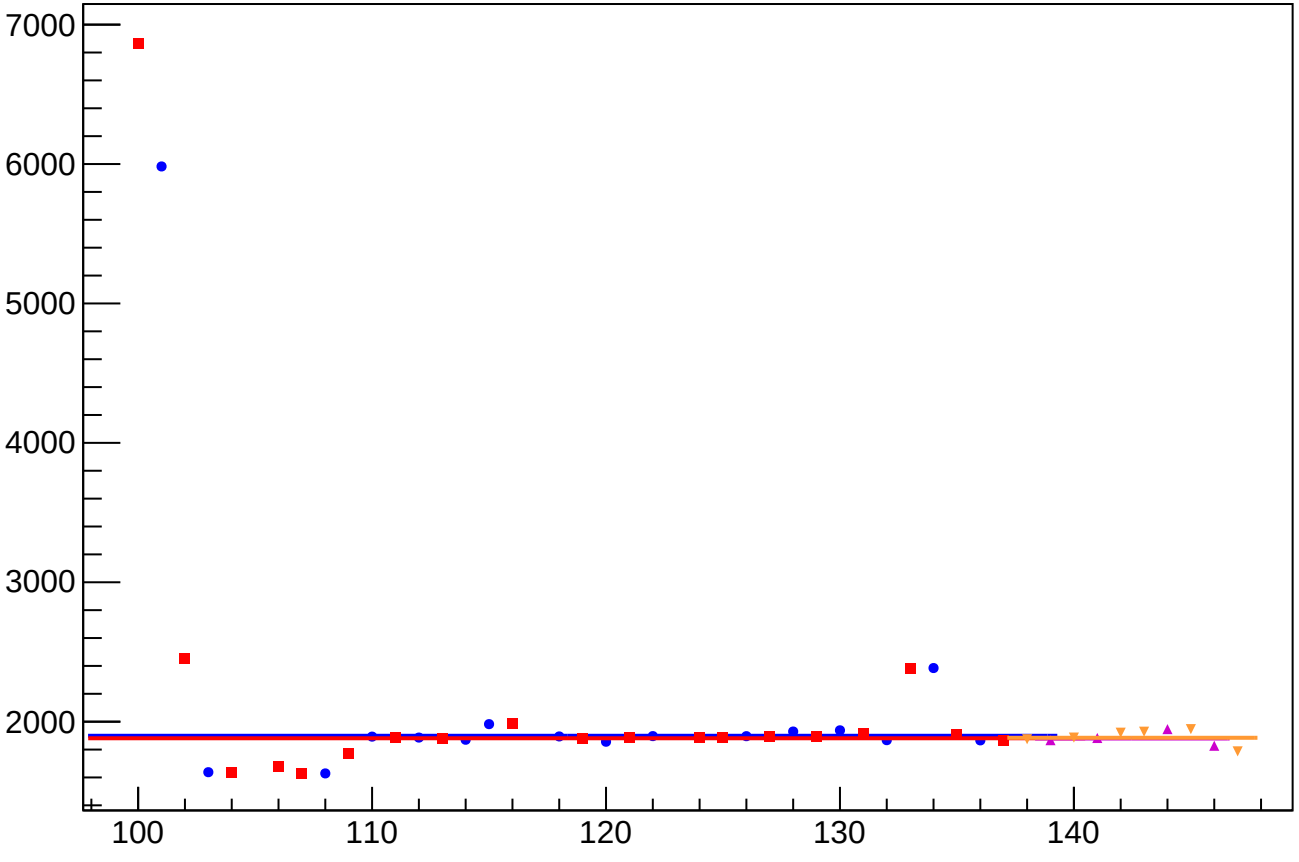
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -624.809+/-585.966 χ^2/NDF:18.7/19

Out: 606.233+/-551.164 χ^2/NDF:16.7/24

All: 28.353+/-401.472 χ^2/NDF: 37.7/44

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1884.501+/-0.627 χ^2/NDF:7771.1/5

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1879.323+/-0.707 χ^2/NDF:3688.6/3

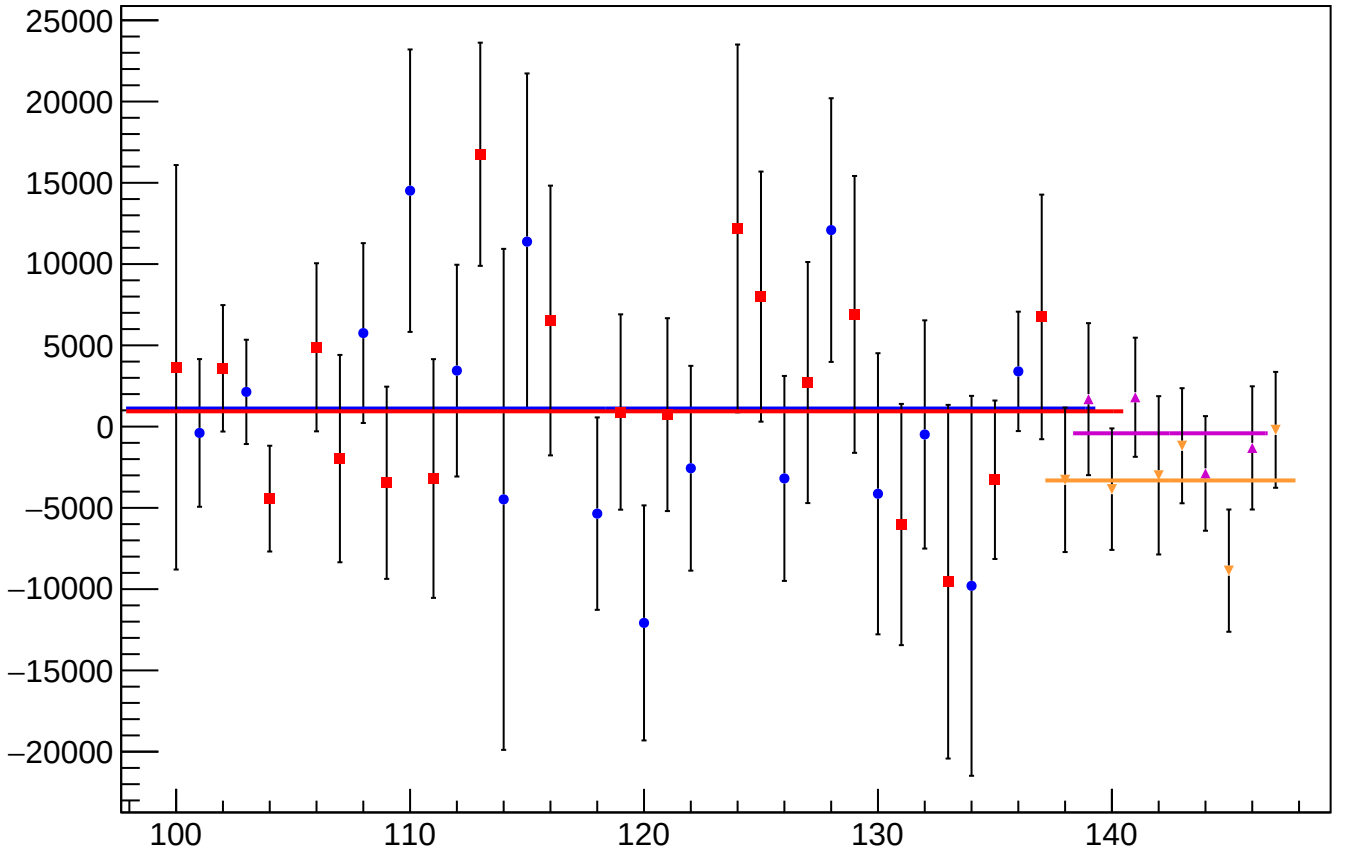
Left: 1882.222+/-0.469 χ^2/NDF: 11489.8/9

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1892.129+/-0.414 χ^2/NDF:701702.5/19

Out: 1882.354+/-0.389 χ^2/NDF:224354.6/24

All: 1886.938+/-0.284 χ^2/NDF: 926352.6/44



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -3312.190+/-1594.094 χ^2/NDF:3.3/5

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -411.370+/-1923.771 χ^2/NDF:1.1/3

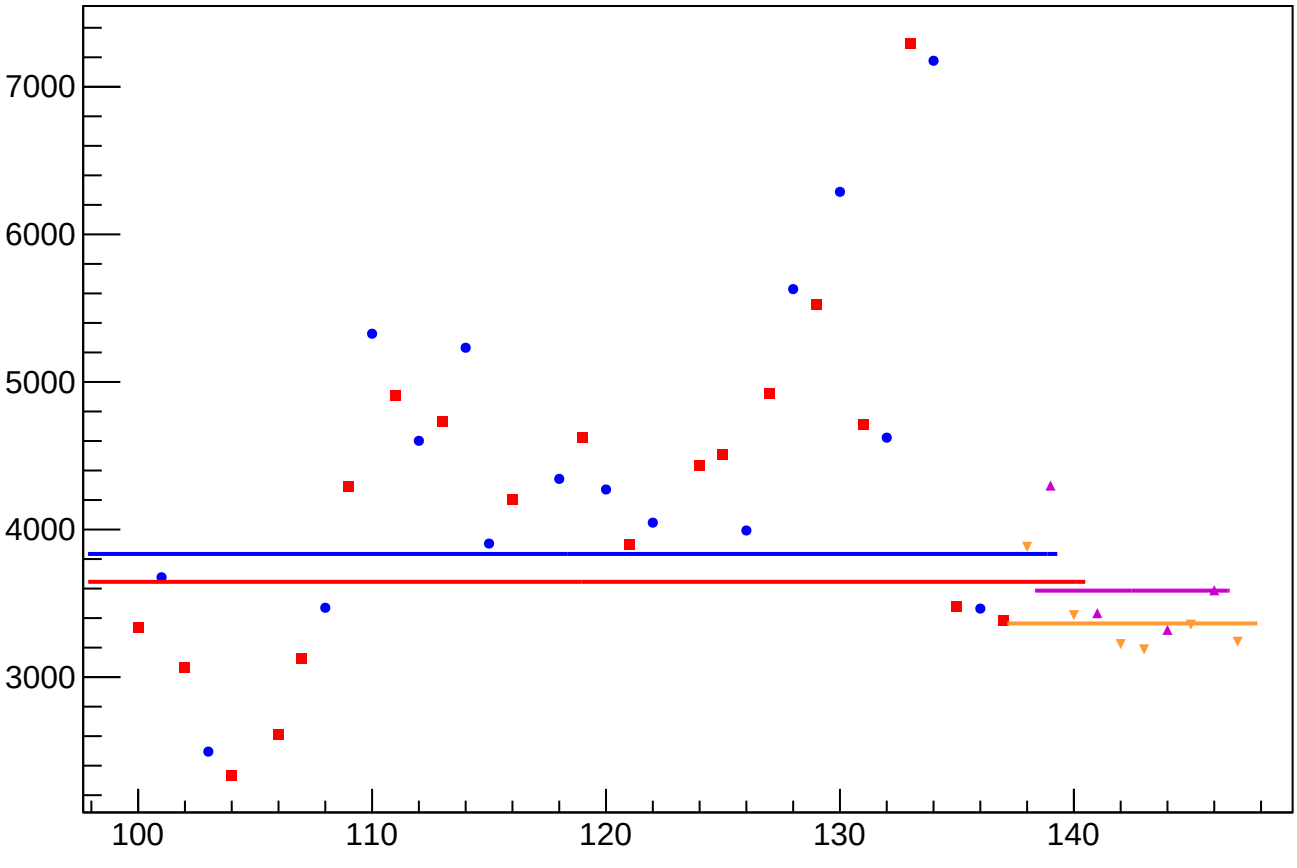
Left: -2131.264+/-1227.452 χ^2/NDF: 5.8/9

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 545.584+/-1172.752 χ^2/NDF:14.9/19

Out: -909.691+/-1051.488 χ^2/NDF:23.5/24

All: -261.159+/-782.887 χ^2/NDF: 39.3/44



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3363.570+/-1.127 χ^2/NDF:36752.1/5

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3586.015+/-1.360 χ^2/NDF:61192.3/3

Left: 3454.128+/-0.868 χ^2/NDF: 113798.7/9

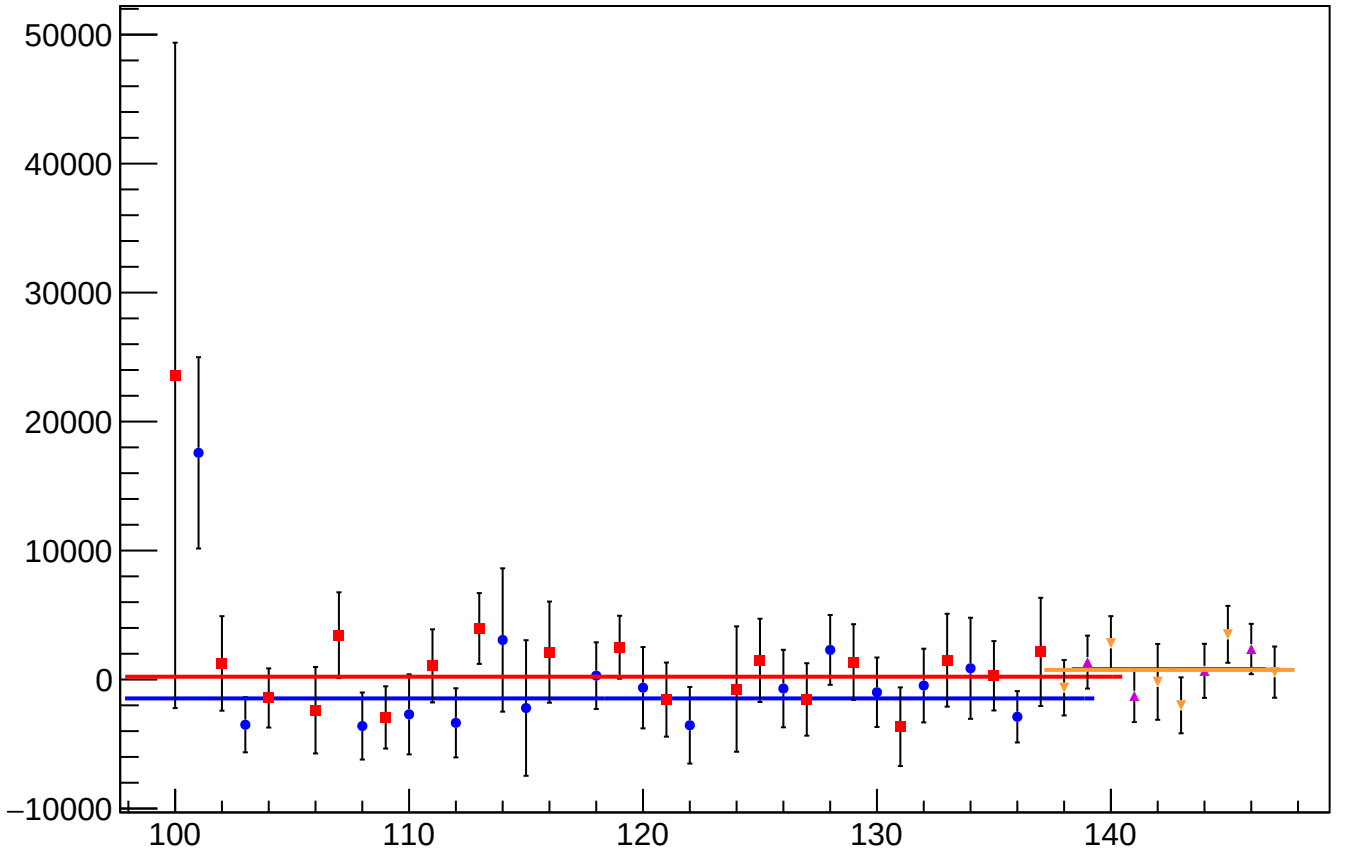
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3742.276+/-0.829 χ^2/NDF:1038503.8/19

Out: 3522.942+/-0.744 χ^2/NDF:1197120.4/24

All: 3620.686+/-0.554 χ^2/NDF: 2274405.4/44

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 747.577+/-901.672 χ^2/NDF:4.7/5

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: 814.308+/-1015.467 χ^2/NDF:1.8/3

Left: 776.995+/-674.236 χ^2/NDF: 6.4/9

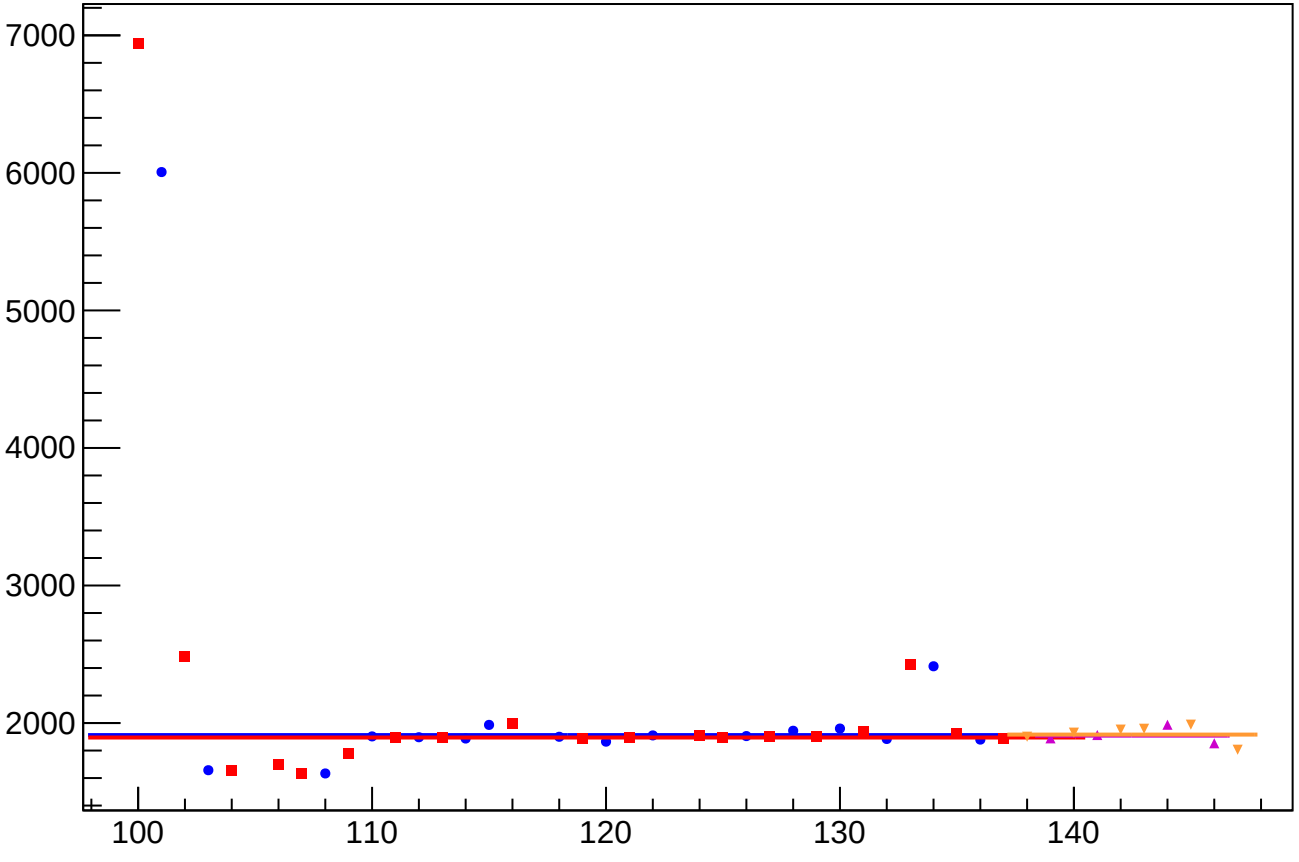
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -689.274+/-591.809 χ^2/NDF:18.6/19

Out: 421.347+/-557.264 χ^2/NDF:15.7/24

All: -100.604+/-405.708 χ^2/NDF: 36.2/44

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1916.013+/-0.638 χ^2/NDF:9555.6/5

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1908.340+/-0.718 χ^2/NDF:4689.8/3

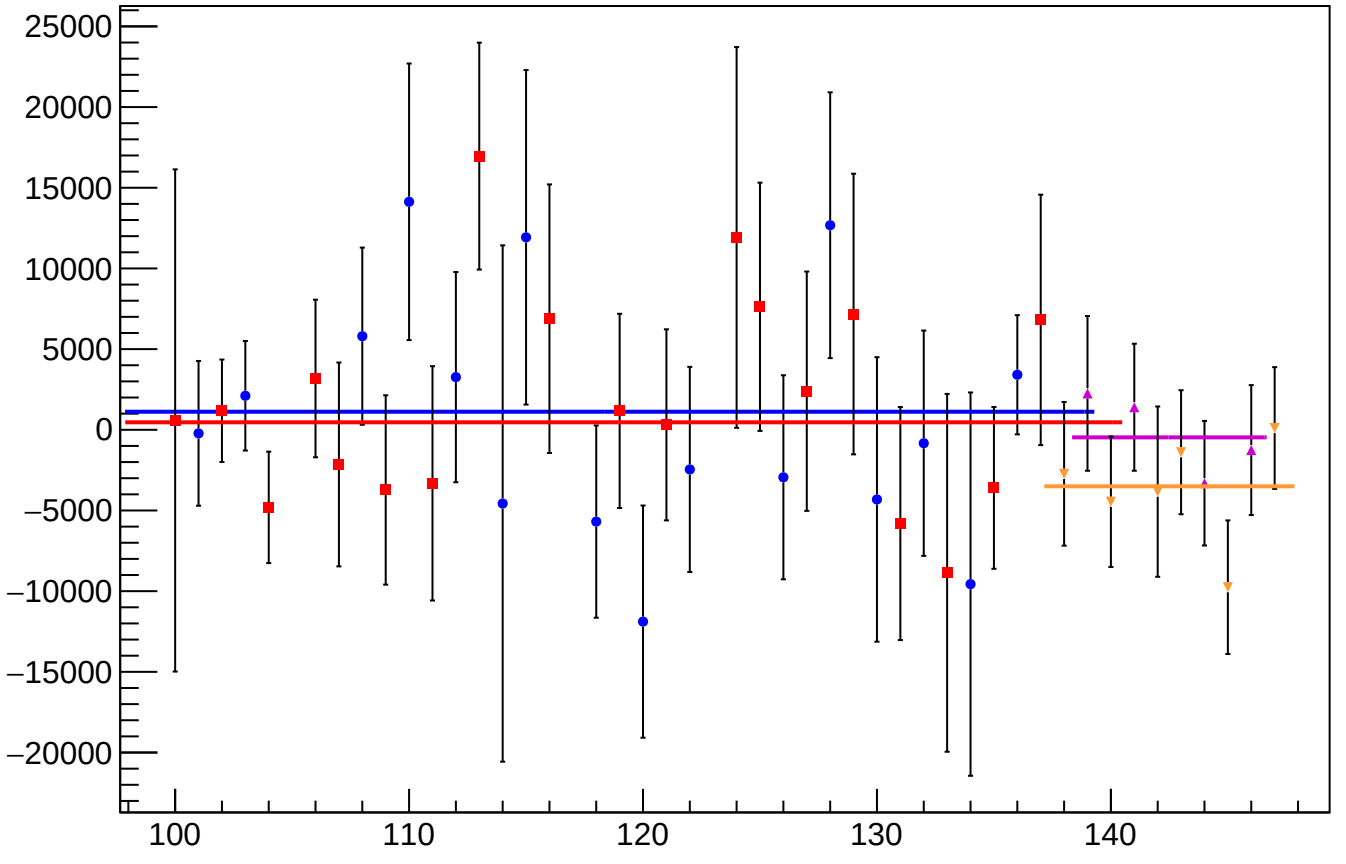
Left: 1912.630+/-0.477 χ^2/NDF: 14309.3/9

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1911.007+/-0.418 χ^2/NDF:700931.0/19

Out: 1902.870+/-0.394 χ^2/NDF:230024.1/24

All: 1906.691+/-0.287 χ^2/NDF: 931155.5/44



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -3501.079+/-1705.232 χ^2/NDF:3.6/5

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -469.489+/-2054.471 χ^2/NDF:1.1/3

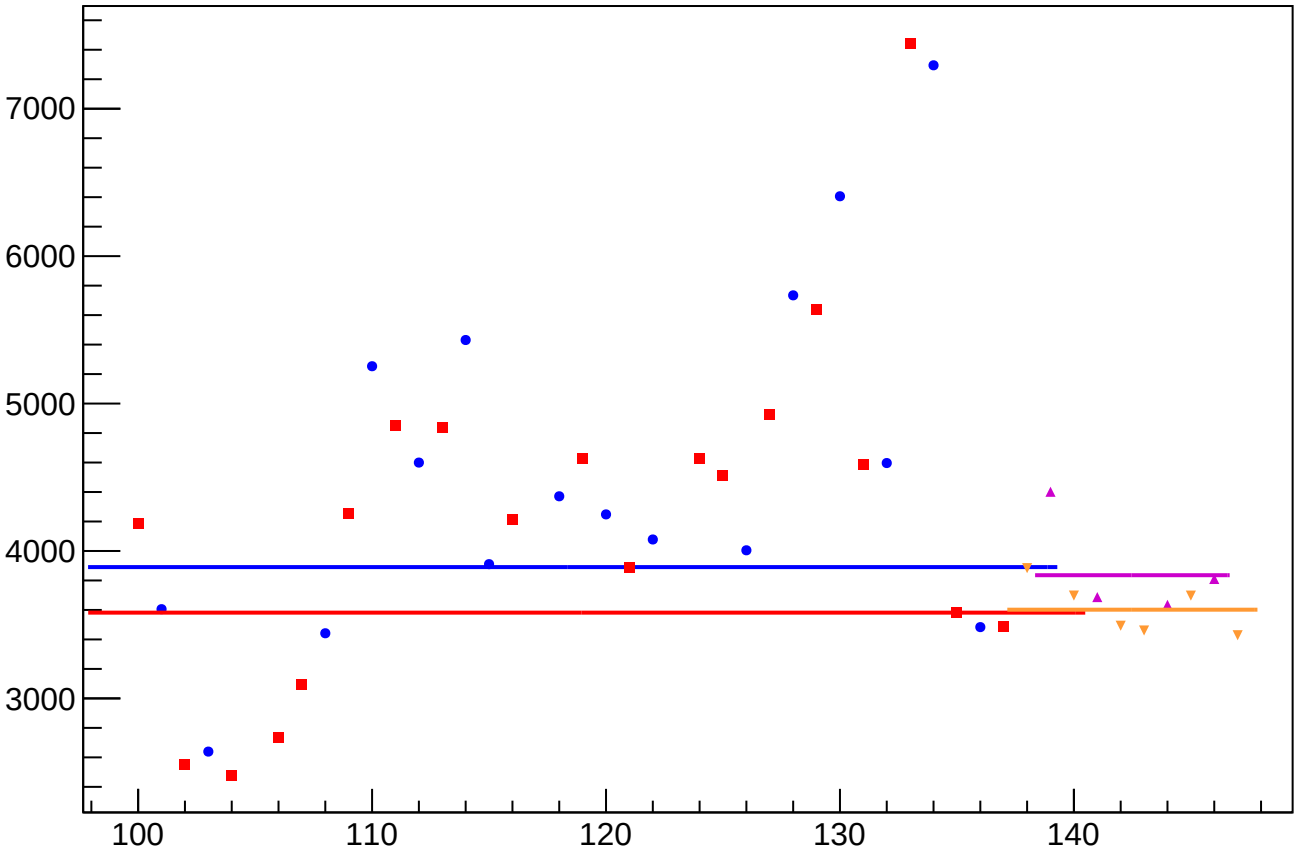
Left: -2264.479+/-1312.138 χ^2/NDF: 6.0/9

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 568.547+/-1210.236 χ^2/NDF:15.0/19

Out: -1092.286+/-1068.399 χ^2/NDF:21.9/24

All: -364.851+/-800.948 χ^2/NDF: 37.9/44



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3601.783+/-1.206 χ^2/NDF:17968.8/5

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3835.688+/-1.453 χ^2/NDF:36220.7/3

Left: 3697.194+/-0.928 χ^2/NDF: 69539.2/9

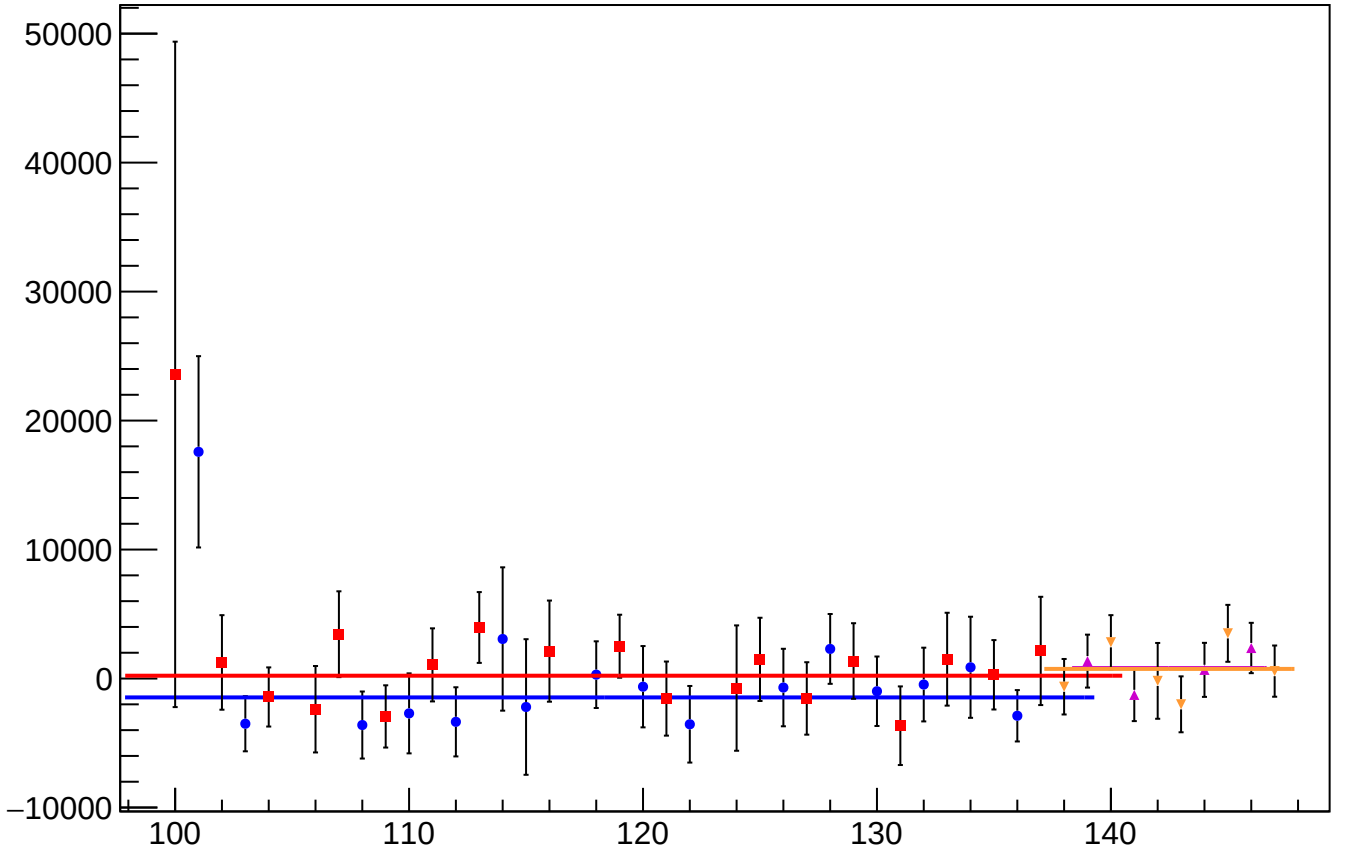
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3871.615+/-0.856 χ^2/NDF:915575.6/19

Out: 3589.632+/-0.755 χ^2/NDF:1239991.2/24

All: 3713.139+/-0.566 χ^2/NDF: 2216587.4/44

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 747.576+/-901.672 χ^2/NDF:4.7/5

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: 814.315+/-1015.467 χ^2/NDF:1.8/3

Left: 776.998+/-674.236 χ^2/NDF: 6.4/9

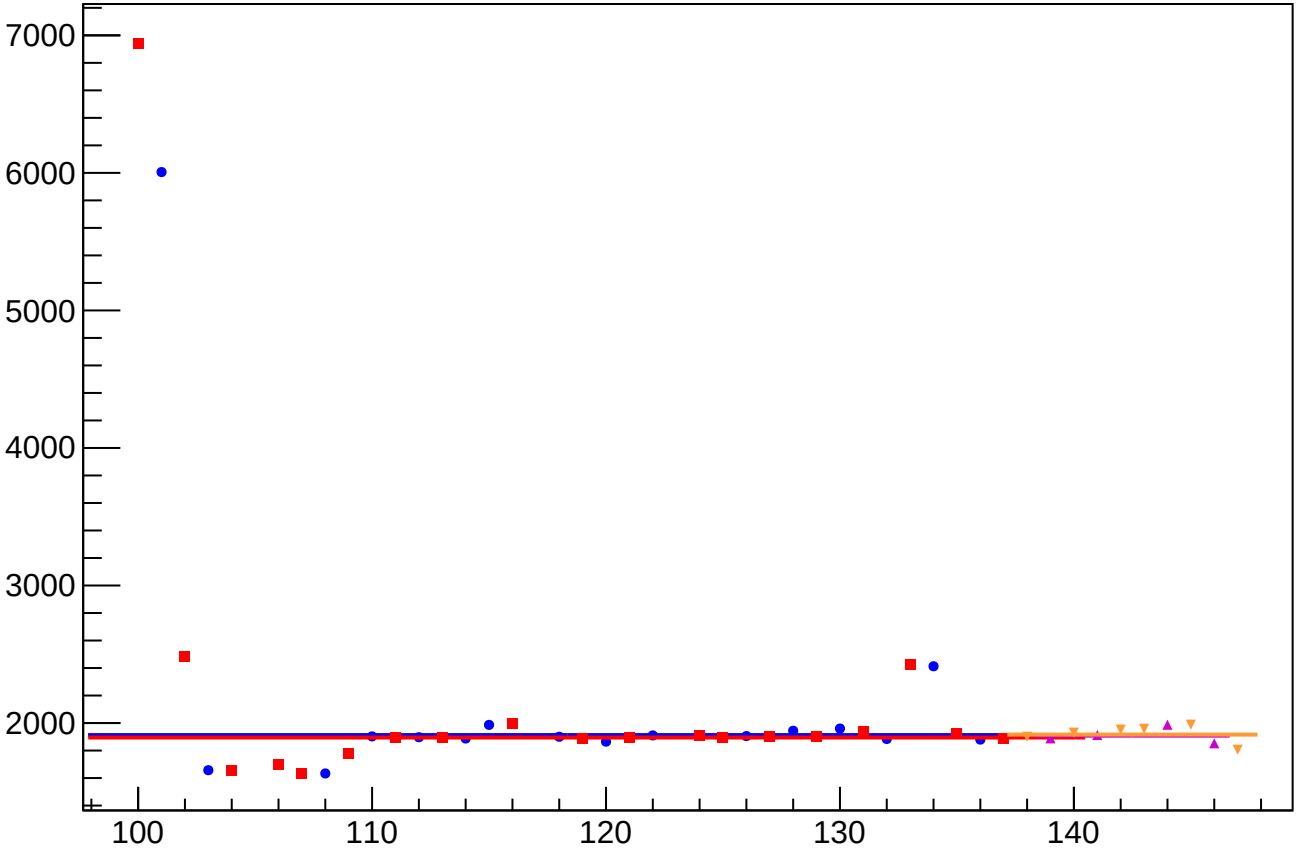
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -689.276+/-591.809 χ^2/NDF:18.6/19

Out: 421.344+/-557.265 χ^2/NDF:15.7/24

All: -100.607+/-405.709 χ^2/NDF: 36.2/44

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1916.014+/-0.638 χ^2/NDF:9555.6/5

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1908.340+/-0.718 χ^2/NDF:4689.8/3

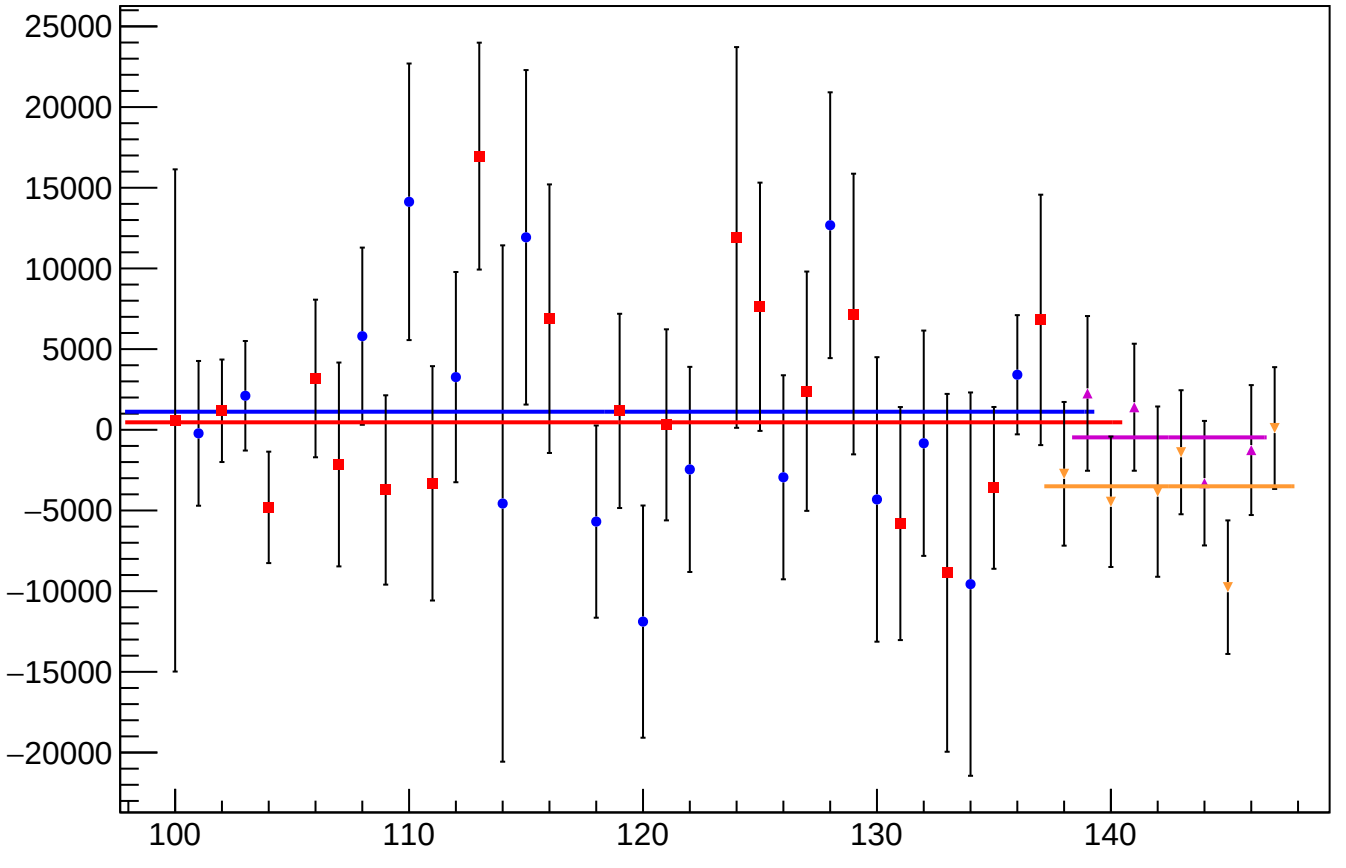
Left: 1912.631+/-0.477 χ^2/NDF: 14309.3/9

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1911.007+/-0.418 χ^2/NDF:700930.8/19

Out: 1902.871+/-0.394 χ^2/NDF:230024.1/24

All: 1906.692+/-0.287 χ^2/NDF: 931155.4/44



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -3501.082+/-1705.235 χ^2/NDF:3.6/5

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -469.481+/-2054.473 χ^2/NDF:1.1/3

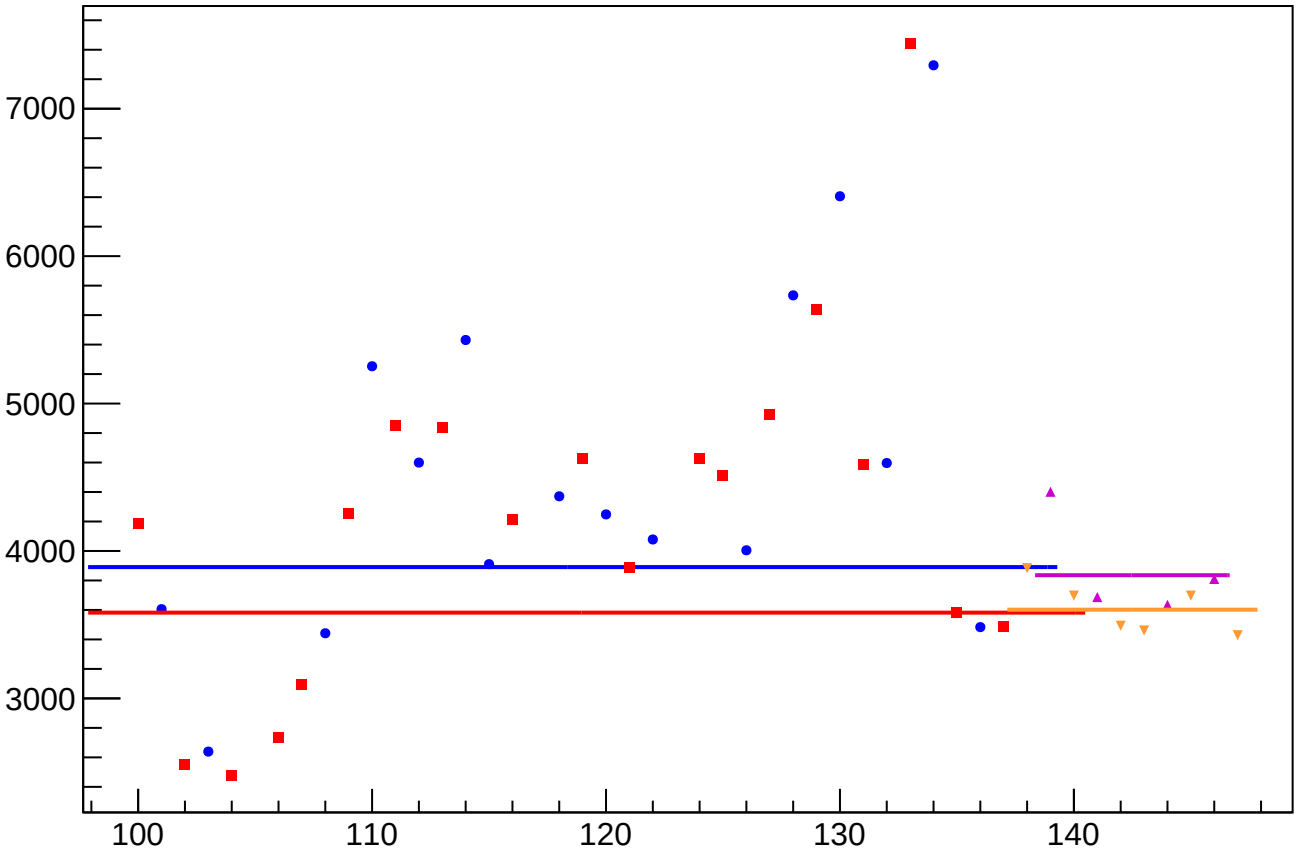
Left: -2264.477+/-1312.139 χ^2/NDF: 6.0/9

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 568.542+/-1210.236 χ^2/NDF:15.0/19

Out: -1092.283+/-1068.399 χ^2/NDF:21.9/24

All: -364.852+/-800.947 χ^2/NDF: 37.9/44



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3601.788+/-1.206 χ^2/NDF:17968.7/5

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3835.691+/-1.453 χ^2/NDF:36221.6/3

Left: 3697.198+/-0.928 χ^2/NDF: 69539.8/9

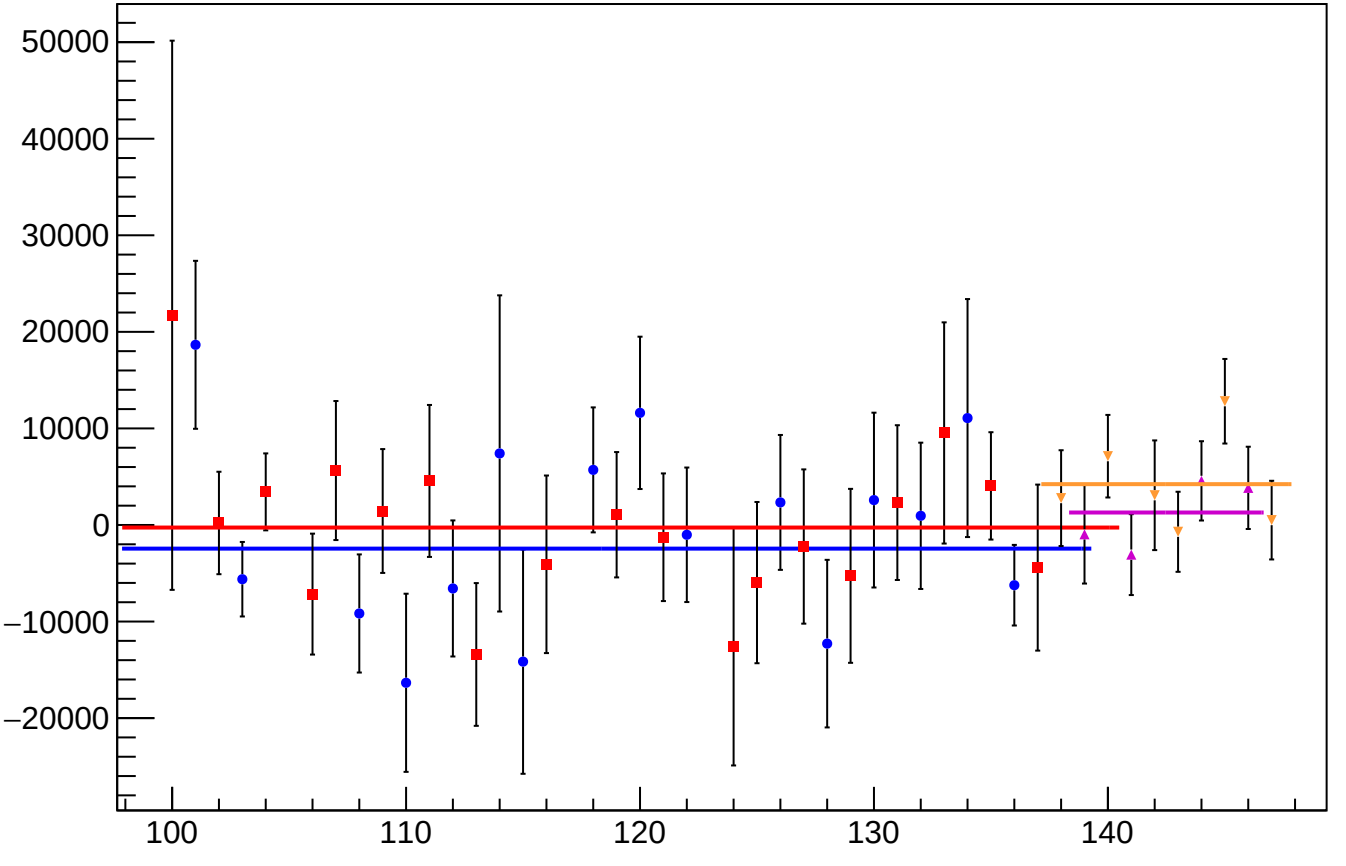
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3871.615+/-0.856 χ^2/NDF:915567.4/19

Out: 3589.633+/-0.755 χ^2/NDF:1239982.6/24

All: 3713.139+/-0.566 χ^2/NDF: 2216570.4/44

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 4227.940+/-1835.088 χ^2/NDF:6.7/5

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 1290.932+/-2182.706 χ^2/NDF:2.3/3

Left: 3011.657+/-1404.624 χ^2/NDF: 10.0/9

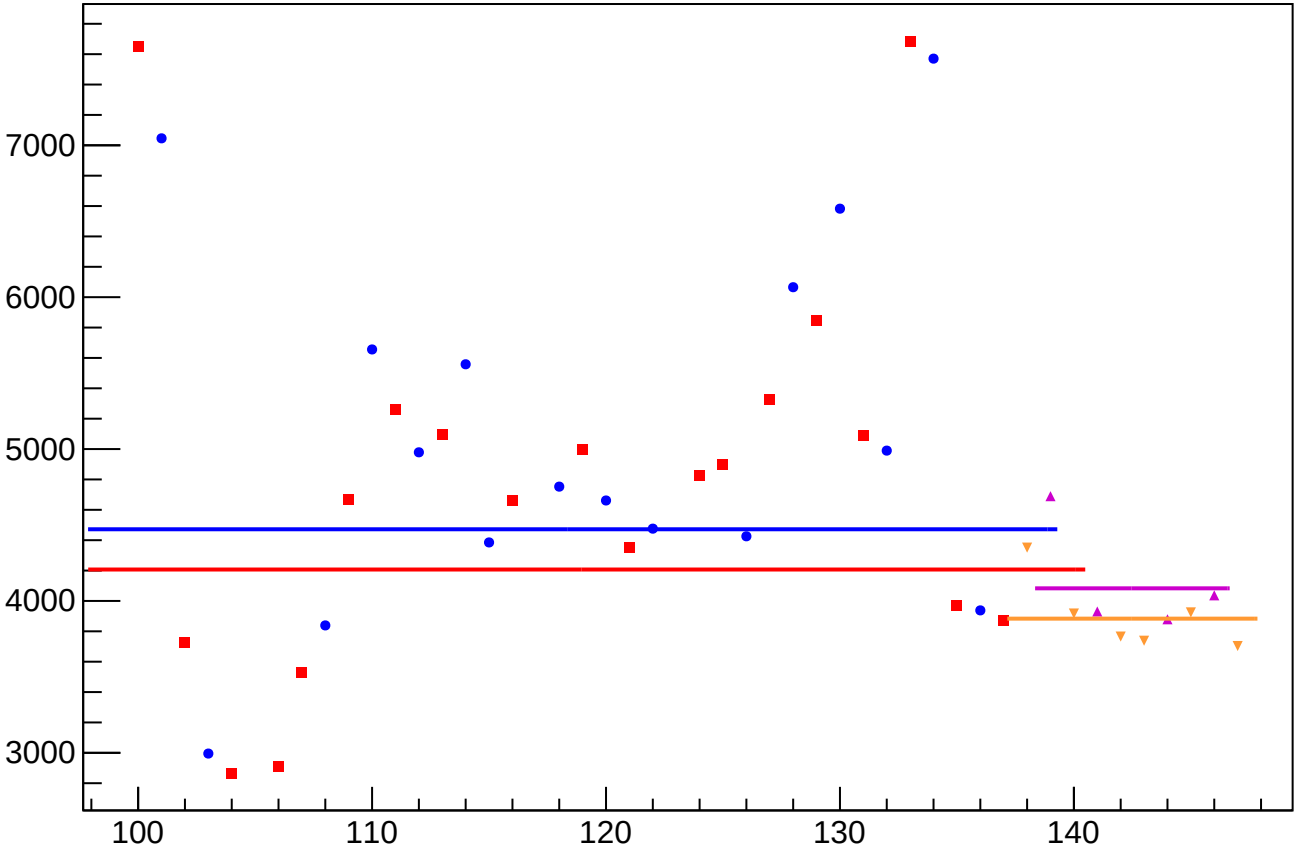
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1016.154+/-1350.809 χ^2/NDF:24.9/19

Out: 1705.868+/-1215.557 χ^2/NDF:20.8/24

All: 487.916+/-903.573 χ^2/NDF: 47.9/44

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3883.486+/-1.298 χ^2/NDF:25319.2/5

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4083.030+/-1.543 χ^2/NDF:36110.9/3

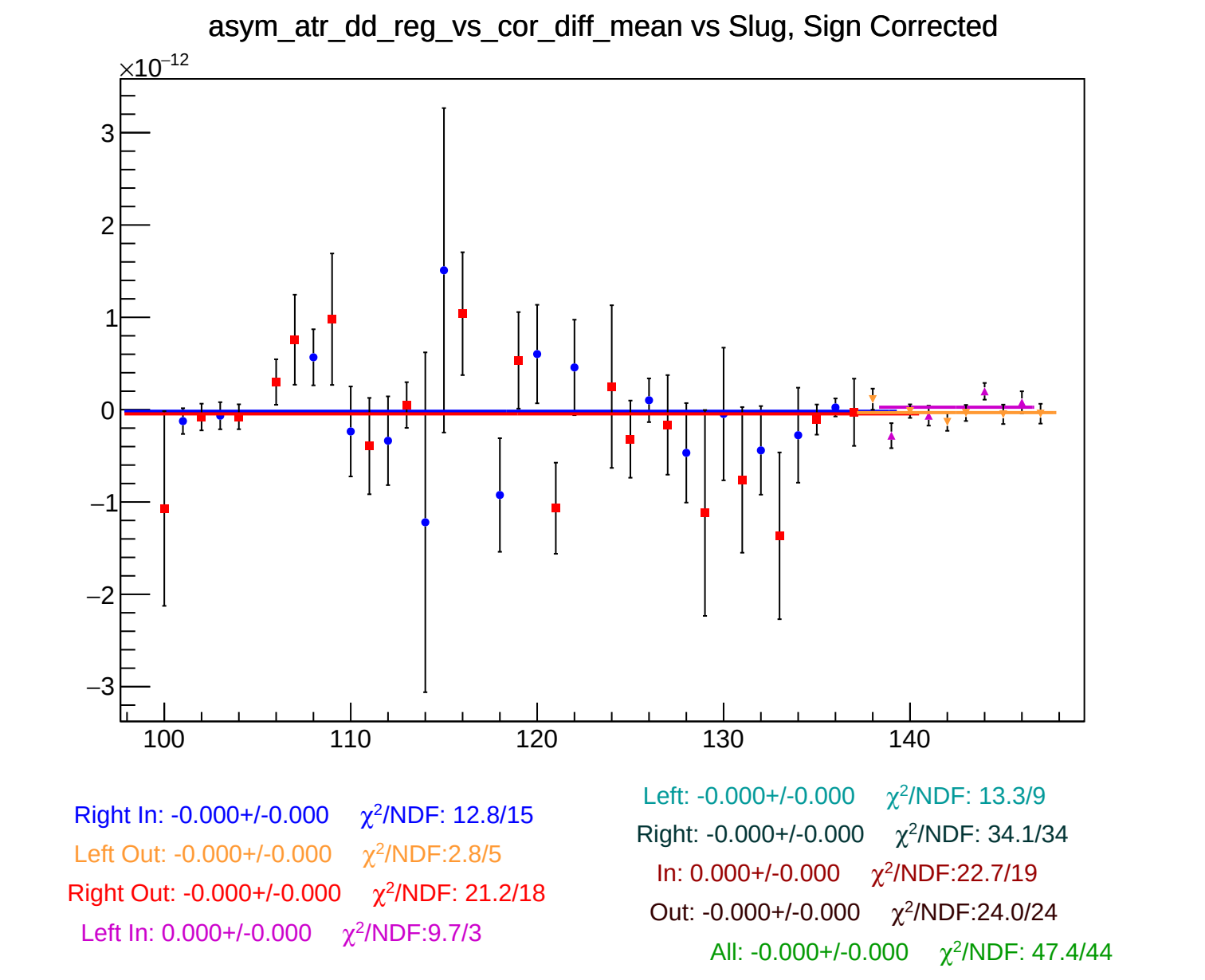
Left: 3966.122+/-0.993 χ^2/NDF: 71223.3/9

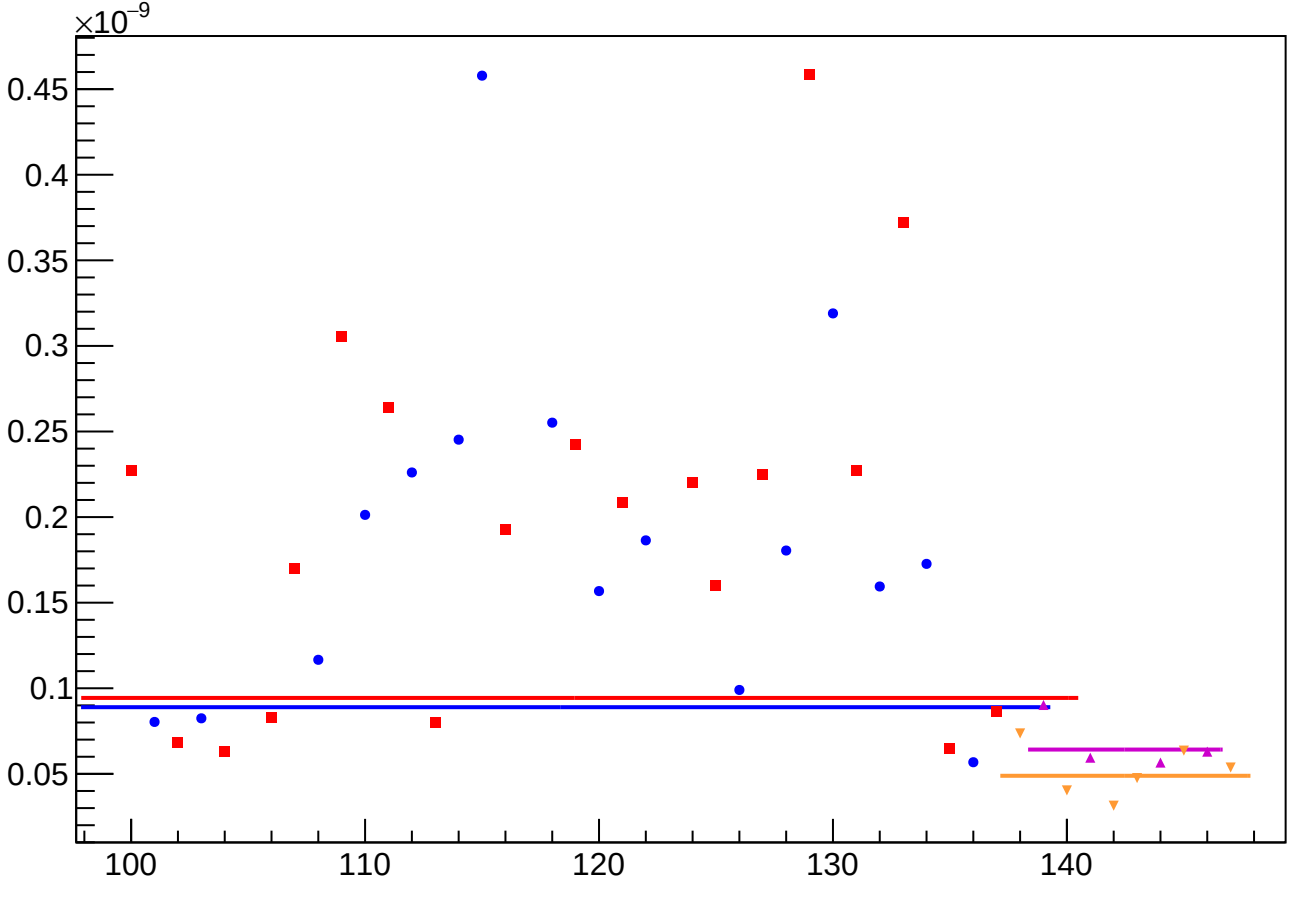
Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4322.966+/-0.955 χ^2/NDF:966958.4/19

Out: 4066.303+/-0.856 χ^2/NDF:906960.1/24

All: 4180.560+/-0.637 χ^2/NDF: 1913980.6/44


asym_atr_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 12.8/15
Left Out: -0.000+/-0.000 χ²/NDF:2.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/18
Left In: 0.000+/-0.000 χ²/NDF:9.7/3
Left: -0.000+/-0.000 χ²/NDF: 13.3/9
Right: -0.000+/-0.000 χ²/NDF: 34.1/34
In: 0.000+/-0.000 χ²/NDF:22.7/19
Out: -0.000+/-0.000 χ²/NDF:24.0/24
All: -0.000+/-0.000 χ²/NDF: 47.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:230749.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:92222.0/3

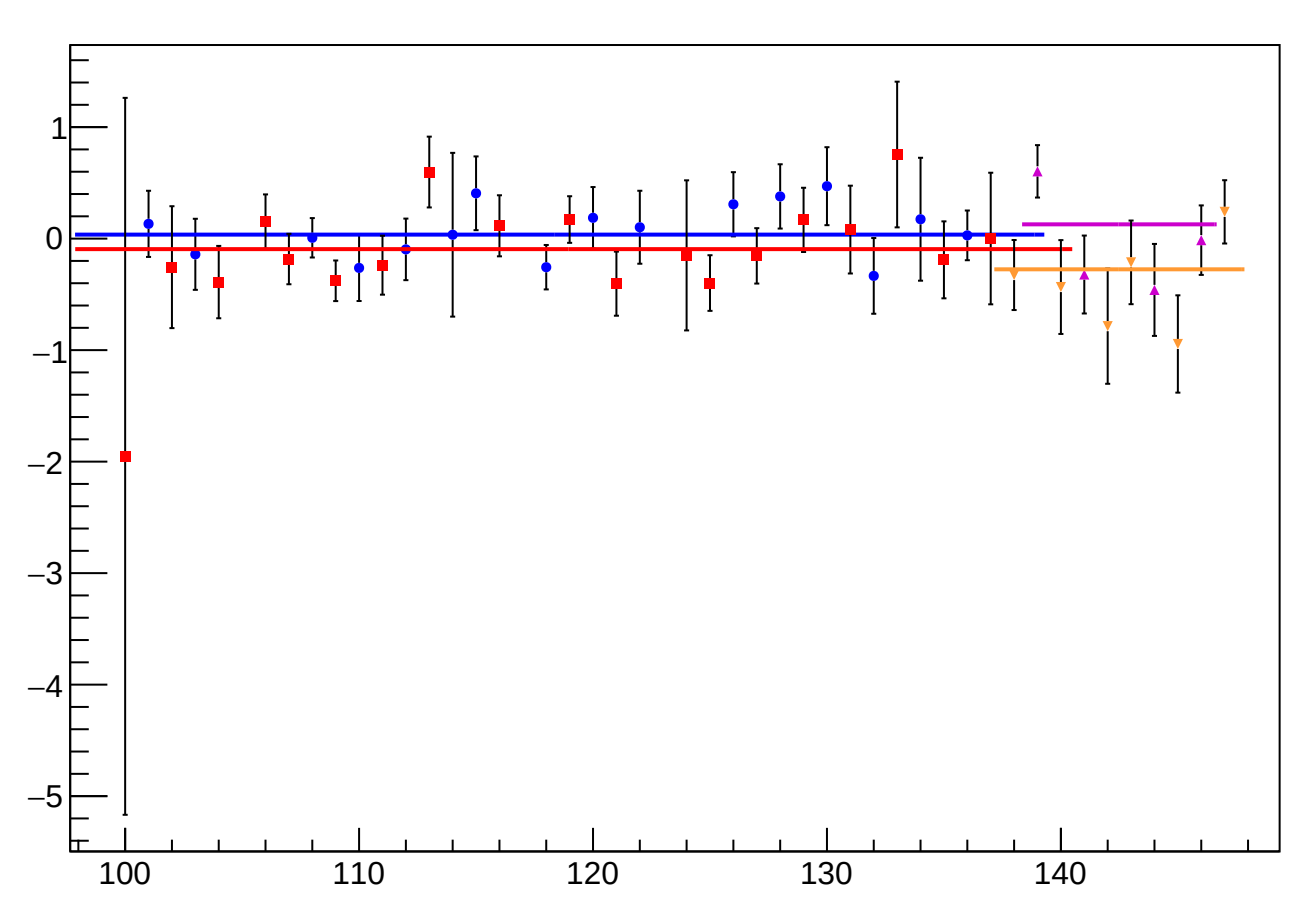
Left: 0.000+/-0.000 χ^2/NDF: 427657.6/9

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1502937.0/19

Out: 0.000+/-0.000 χ^2/NDF:2603406.8/24

All: 0.000+/-0.000 χ^2/NDF: 4275416.5/44



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.128+/-0.153 χ^2/NDF:8.0/3

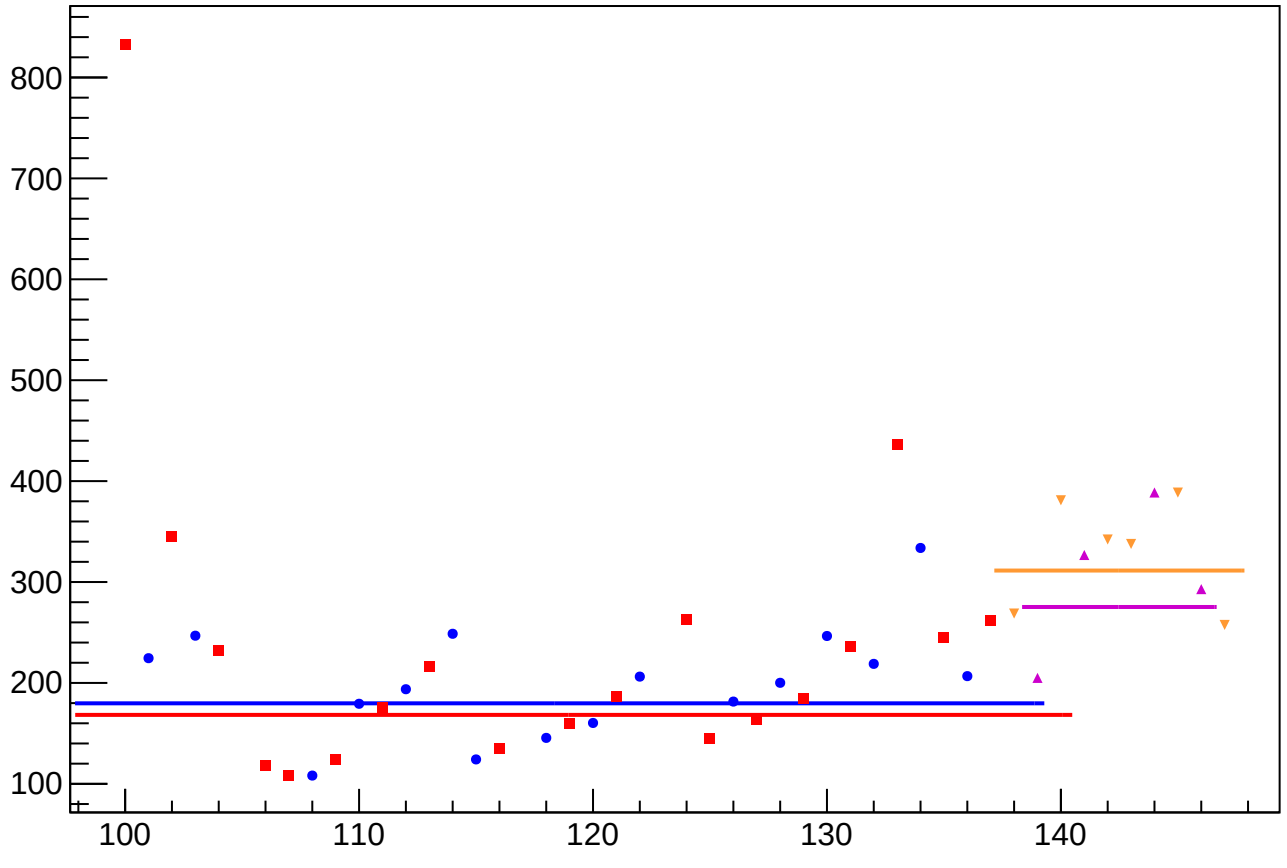
Left: -0.078+/-0.107 χ^2/NDF: 18.3/9

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.052+/-0.064 χ^2/NDF:18.8/19

Out: -0.125+/-0.062 χ^2/NDF:25.7/24

All: -0.040+/-0.044 χ^2/NDF: 48.4/44



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 311.375+/-0.106 χ^2/NDF:243350.7/5

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.264+/-0.109 χ^2/NDF:379933.9/3

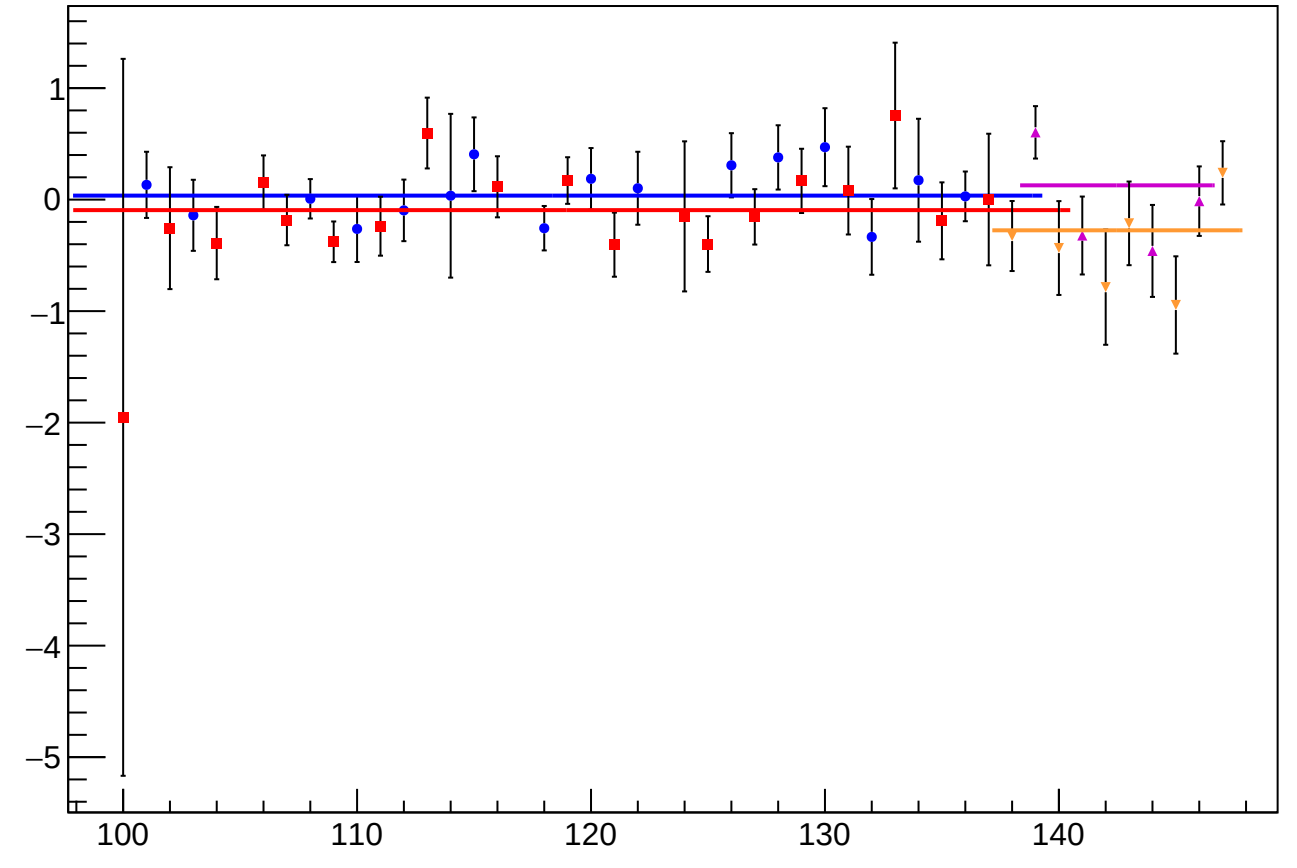
Left: 293.704+/-0.076 χ^2/NDF: 679827.7/9

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 196.463+/-0.045 χ^2/NDF:1937308.2/19

Out: 192.438+/-0.044 χ^2/NDF:3160143.4/24

All: 194.372+/-0.031 χ^2/NDF: 5101543.8/44



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.128+/-0.153 χ^2/NDF:8.0/3

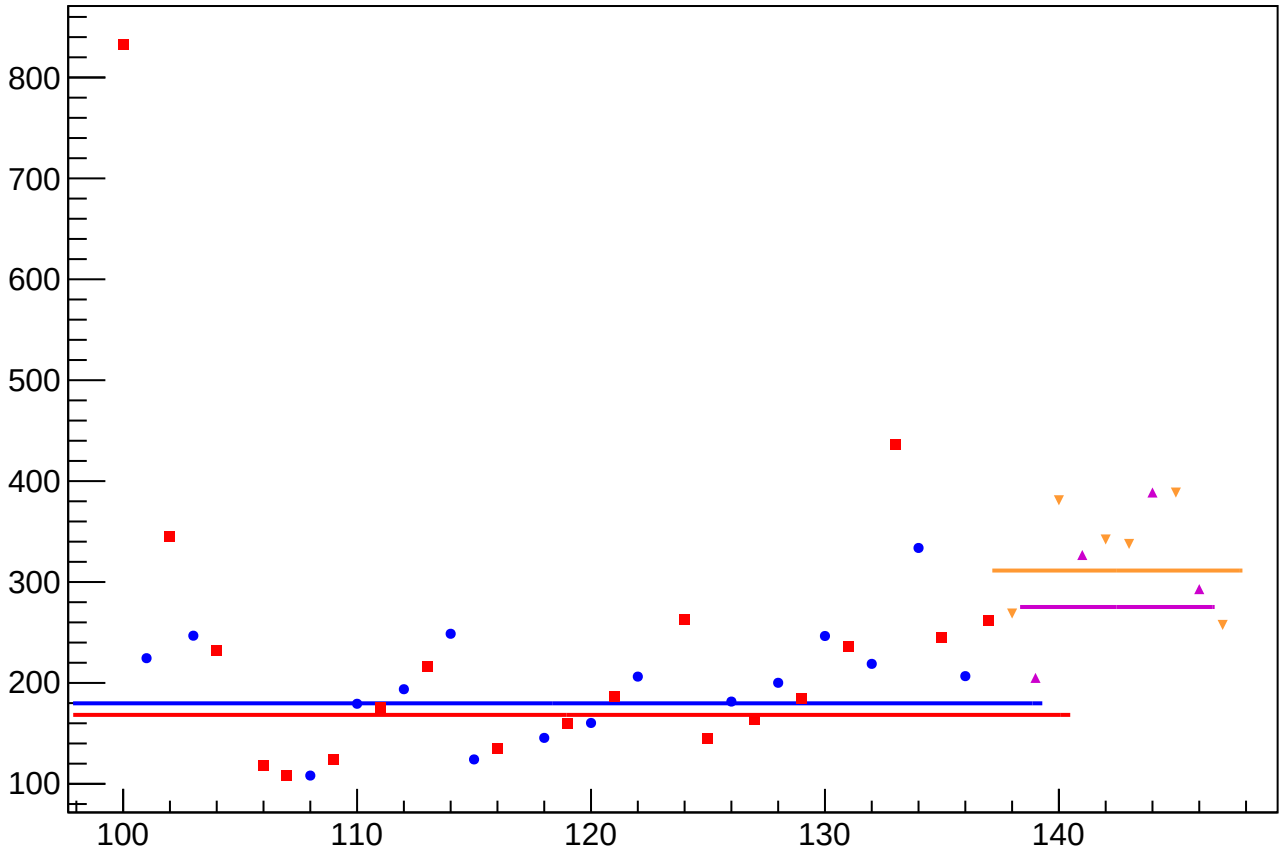
Left: -0.078+/-0.107 χ^2/NDF: 18.3/9

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.052+/-0.064 χ^2/NDF:18.8/19

Out: -0.125+/-0.062 χ^2/NDF:25.7/24

All: -0.040+/-0.044 χ^2/NDF: 48.4/44



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 311.375+/-0.106 χ^2/NDF:243350.7/5

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.264+/-0.109 χ^2/NDF:379933.9/3

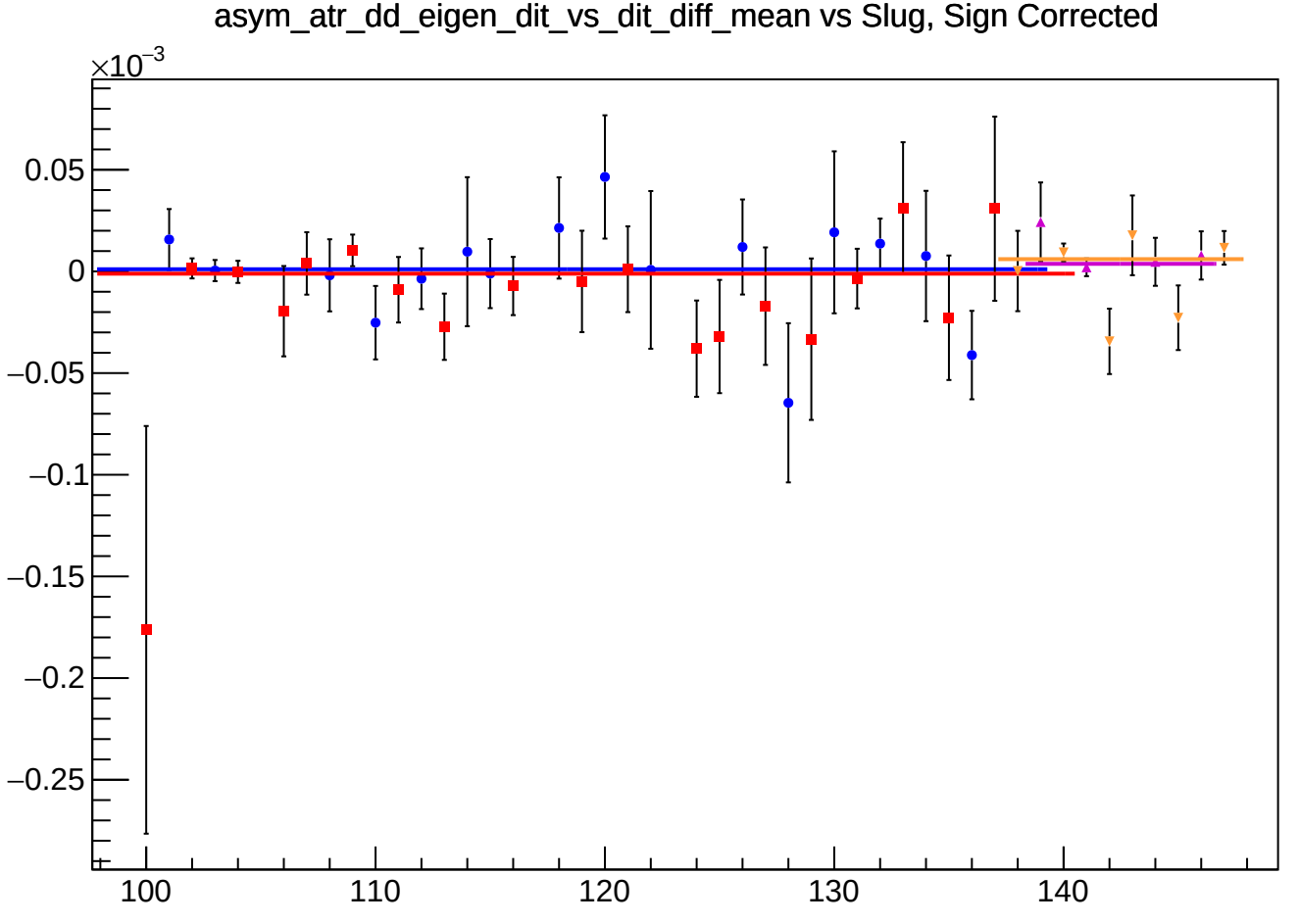
Left: 293.704+/-0.076 χ^2/NDF: 679827.7/9

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 196.463+/-0.045 χ^2/NDF:1937308.2/19

Out: 192.438+/-0.044 χ^2/NDF:3160143.4/24

All: 194.372+/-0.031 χ^2/NDF: 5101543.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

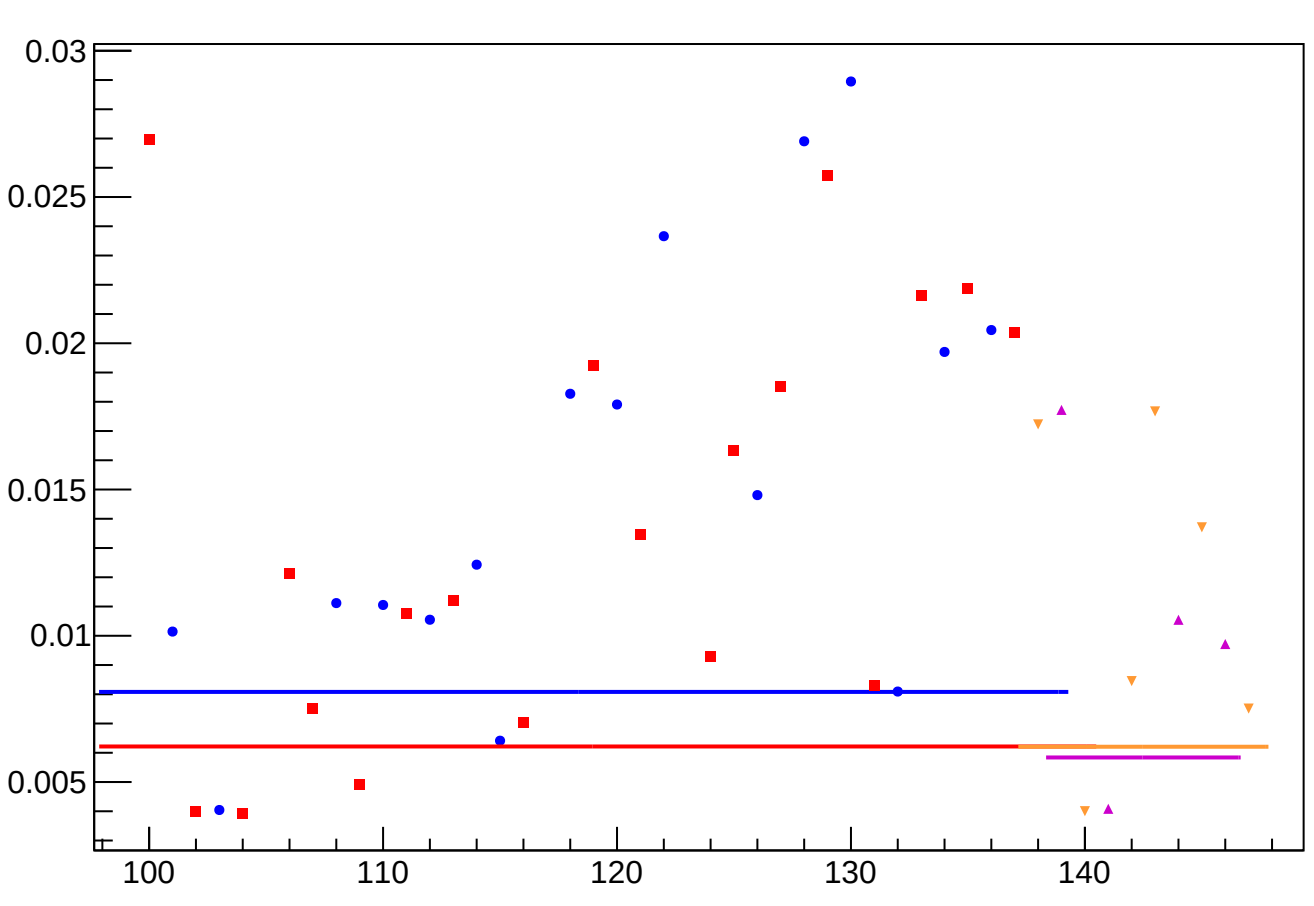
Left: 0.000+/-0.000 χ^2/NDF: 12.7/9

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:15.9/19

Out: 0.000+/-0.000 χ^2/NDF:29.6/24

All: 0.000+/-0.000 χ^2/NDF: 45.5/44



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:2348935.0/5

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1601554.9/3

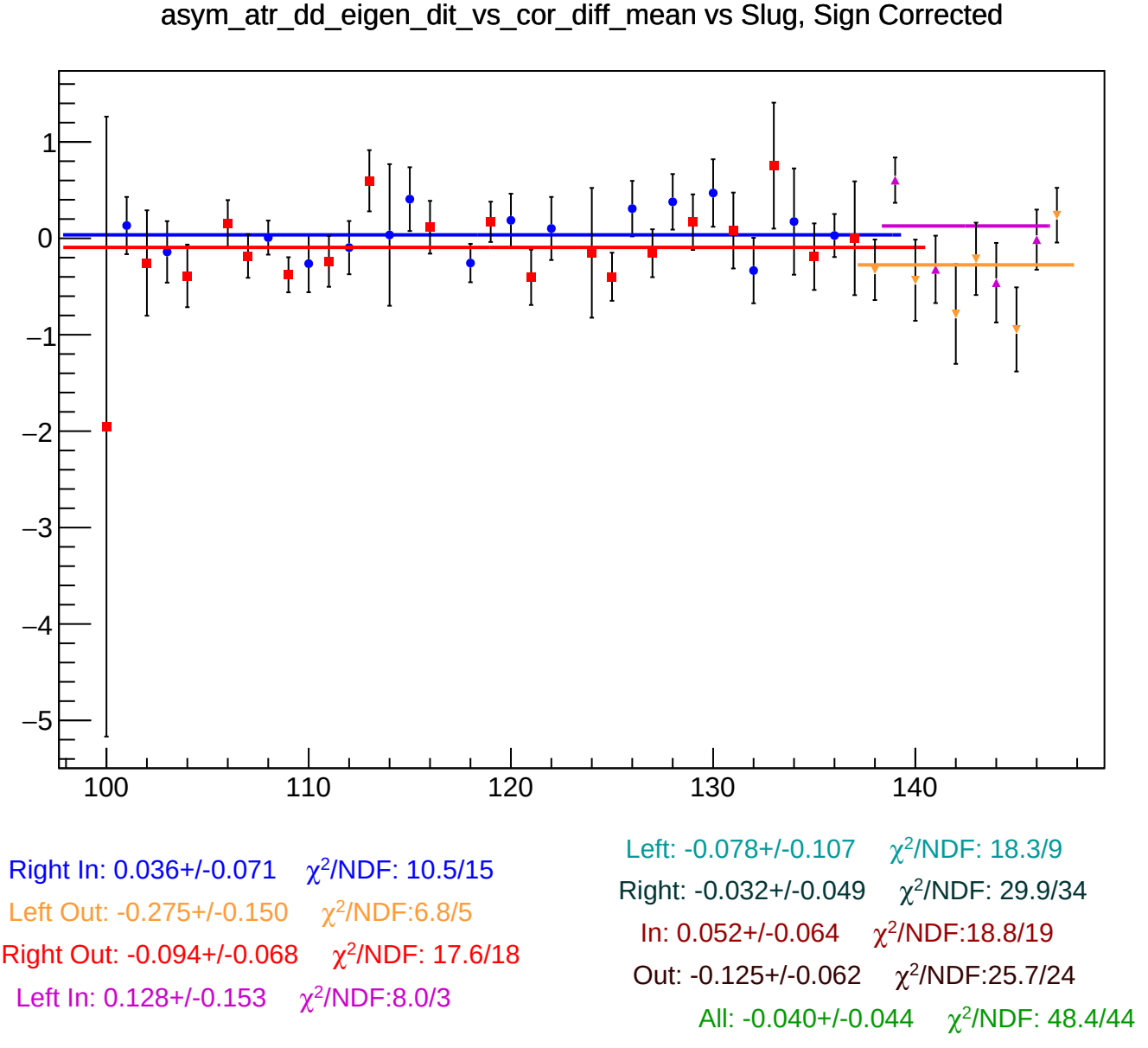
Left: 0.006+/-0.000 χ^2/NDF: 3960521.2/9

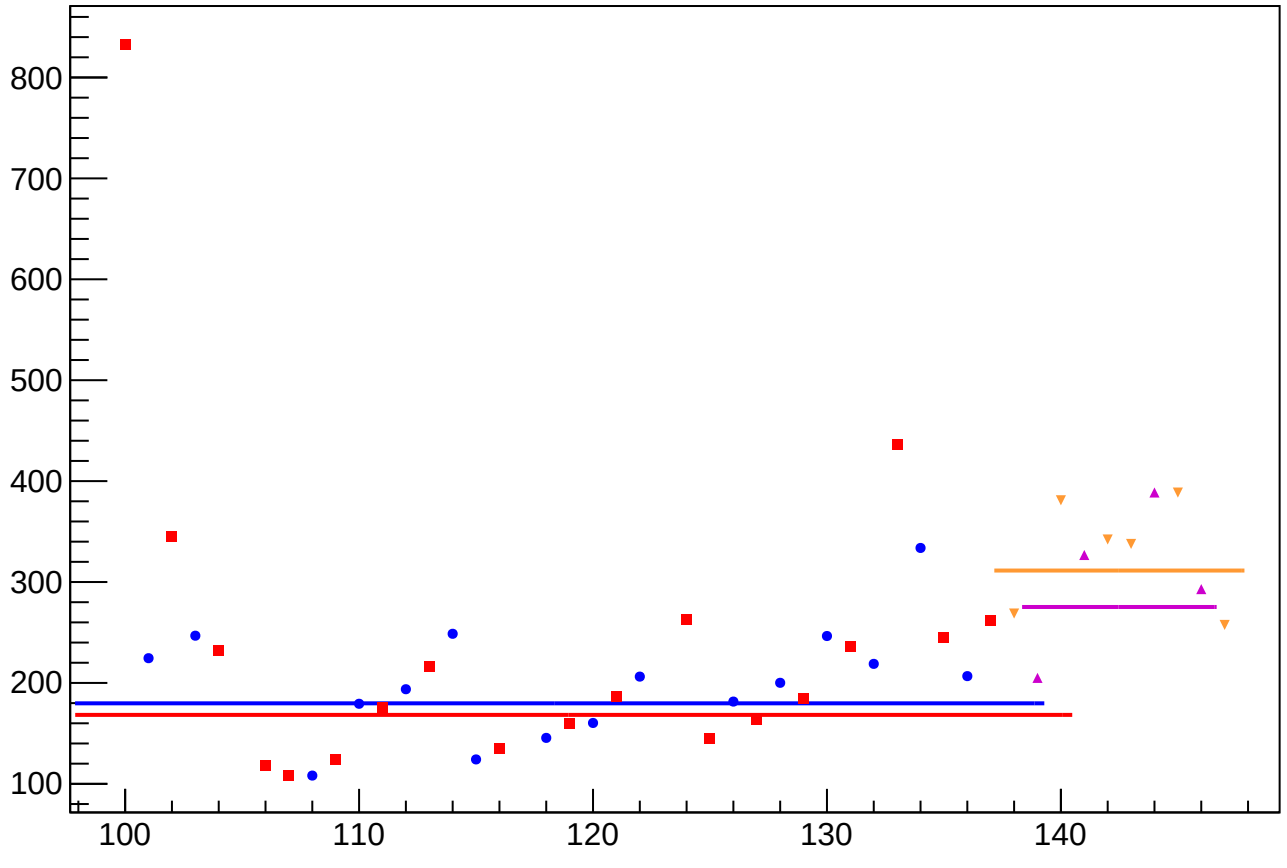
Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6372323.7/19

Out: 0.006+/-0.000 χ^2/NDF:6909931.1/24

All: 0.007+/-0.000 χ^2/NDF: 13382208.7/44


asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.275+/-0.150 χ²/NDF:6.8/5
Right Out: -0.094+/-0.068 χ²/NDF: 17.6/18
Left In: 0.128+/-0.153 χ²/NDF:8.0/3
Left: -0.078+/-0.107 χ²/NDF: 18.3/9
Right: -0.032+/-0.049 χ²/NDF: 29.9/34
In: 0.052+/-0.064 χ²/NDF:18.8/19
Out: -0.125+/-0.062 χ²/NDF:25.7/24
All: -0.040+/-0.044 χ²/NDF: 48.4/44



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 311.379+/-0.106 χ^2/NDF:243336.9/5

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.268+/-0.109 χ^2/NDF:379915.9/3

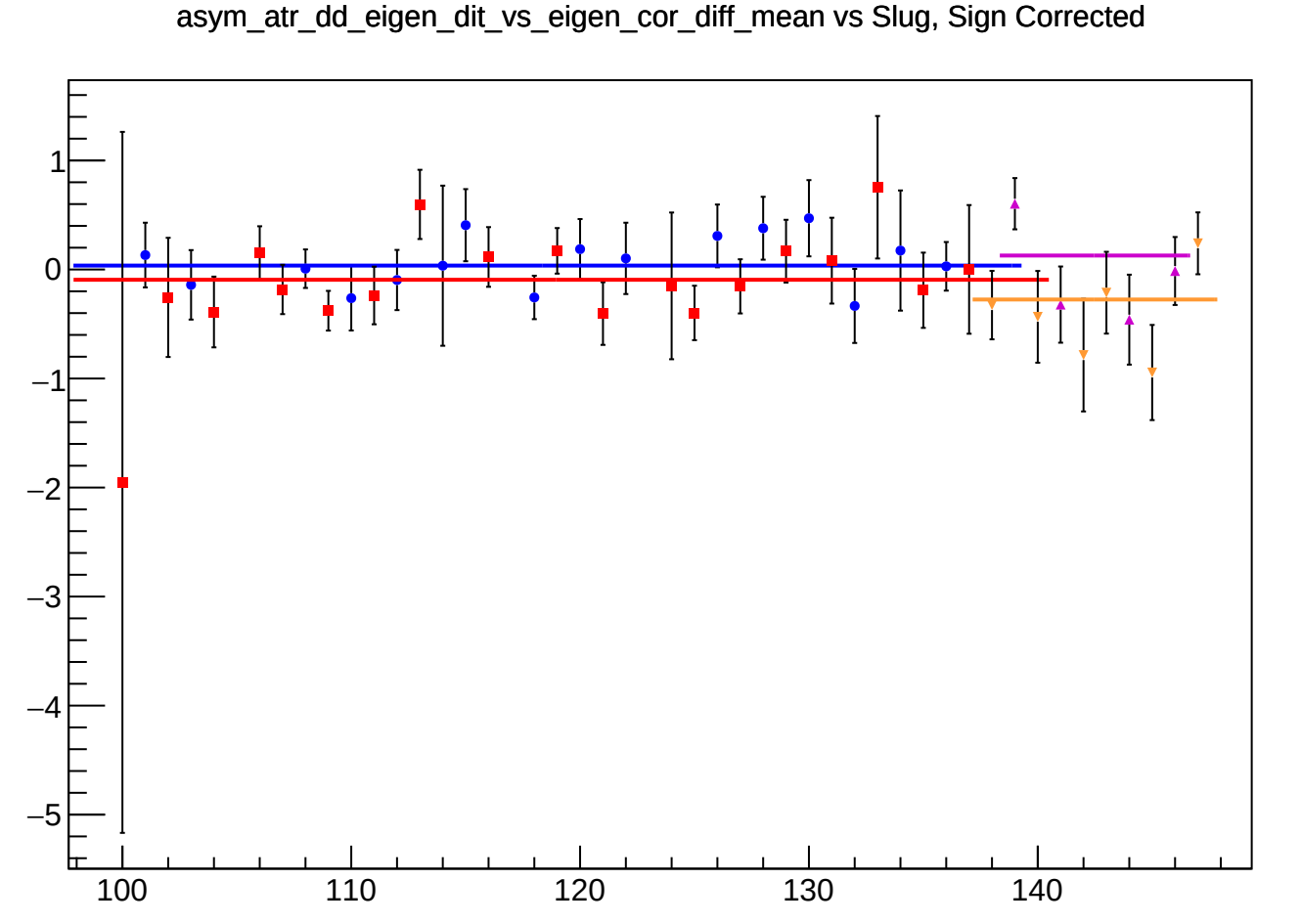
Left: 293.708+/-0.076 χ^2/NDF: 679797.1/9

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 196.461+/-0.045 χ^2/NDF:1937411.7/19

Out: 192.438+/-0.044 χ^2/NDF:3160193.0/24

All: 194.371+/-0.031 χ^2/NDF: 5101692.4/44



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.275+/-0.150 χ^2/NDF:6.8/5

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.128+/-0.153 χ^2/NDF:8.0/3

Left: -0.078+/-0.107 χ^2/NDF: 18.3/9

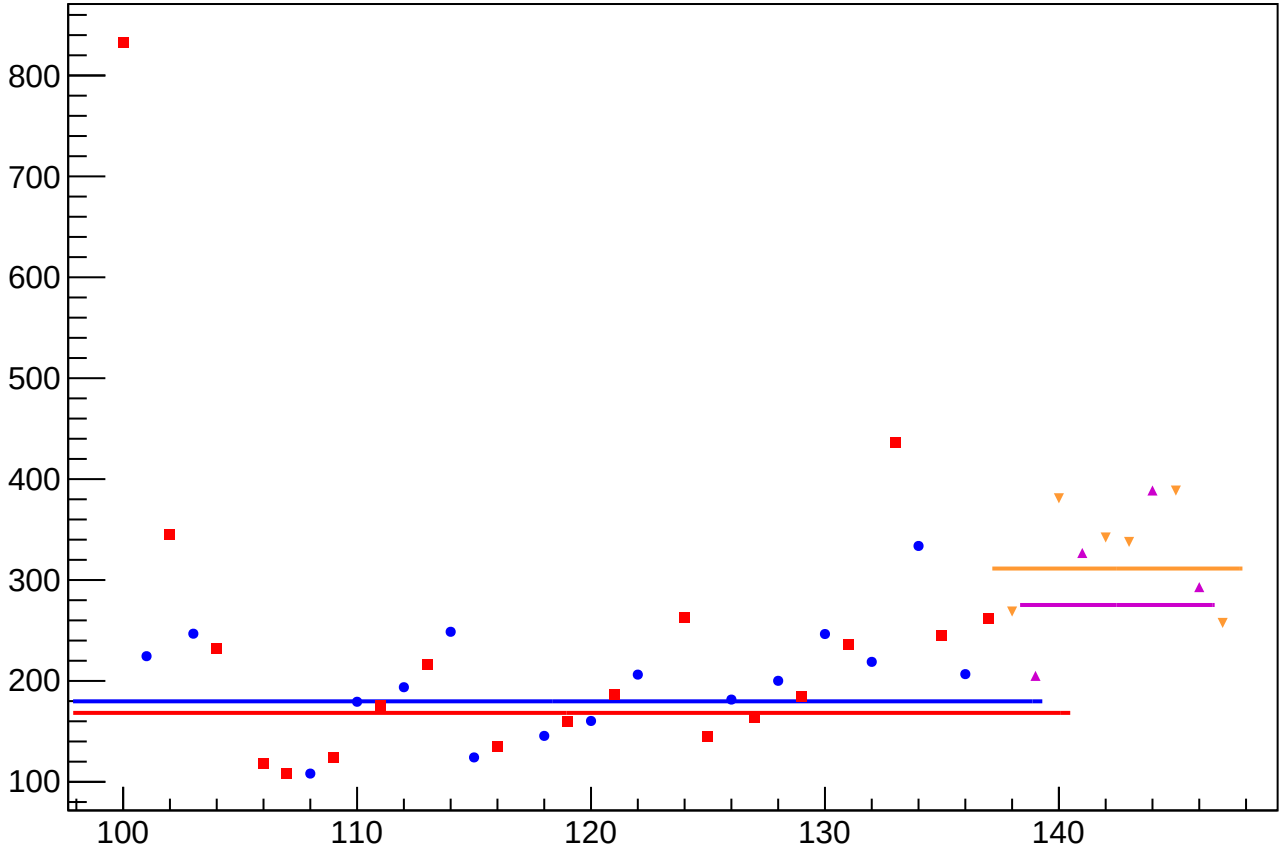
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.052+/-0.064 χ^2/NDF:18.8/19

Out: -0.125+/-0.062 χ^2/NDF:25.7/24

All: -0.040+/-0.044 χ^2/NDF: 48.4/44

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: 311.379+/-0.106 χ^2/NDF:243336.9/5

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.268+/-0.109 χ^2/NDF:379915.9/3

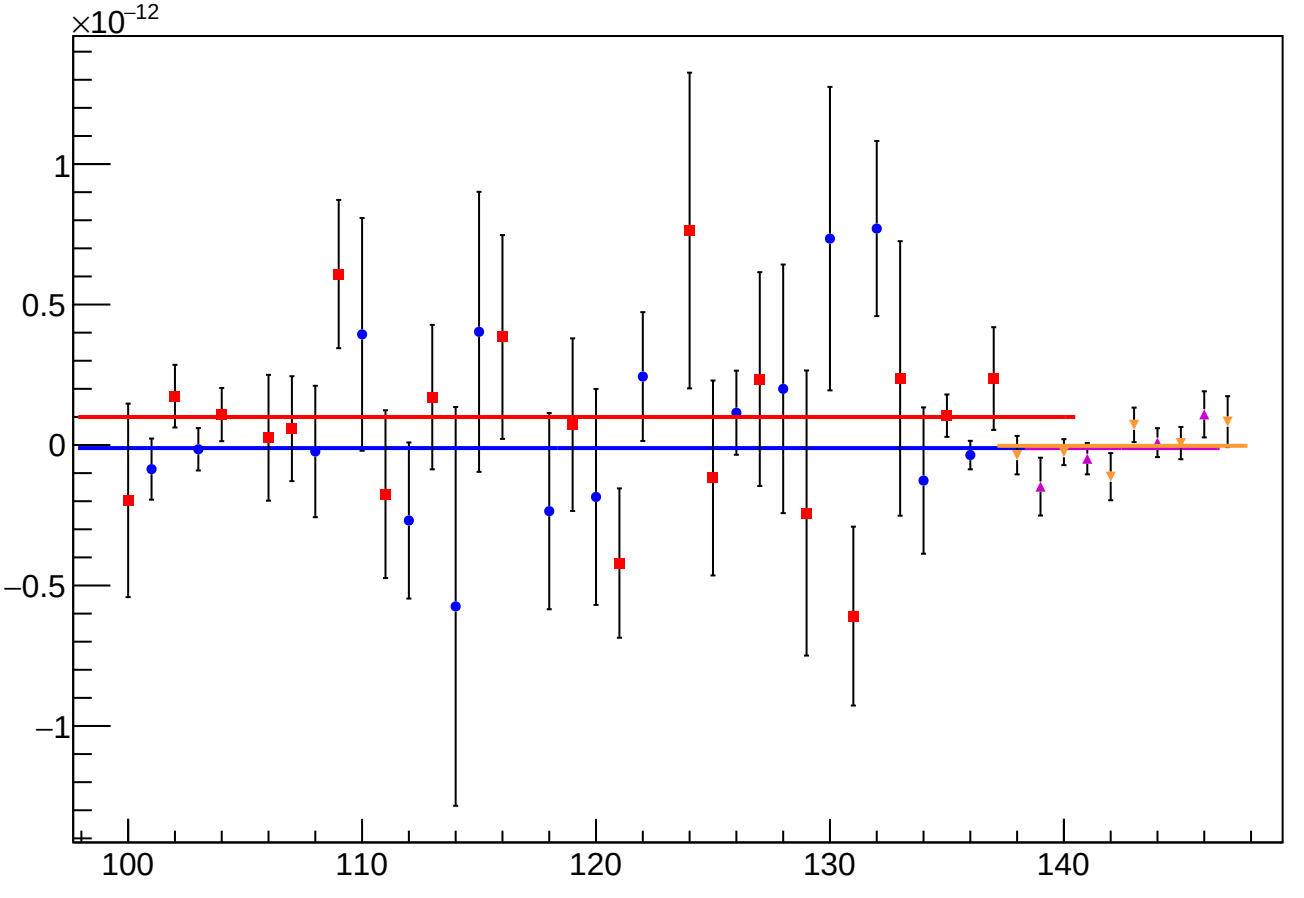
Left: 293.708+/-0.076 χ^2/NDF: 679797.1/9

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 196.461+/-0.045 χ^2/NDF:1937411.7/19

Out: 192.438+/-0.044 χ^2/NDF:3160193.0/24

All: 194.371+/-0.031 χ^2/NDF: 5101692.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/3

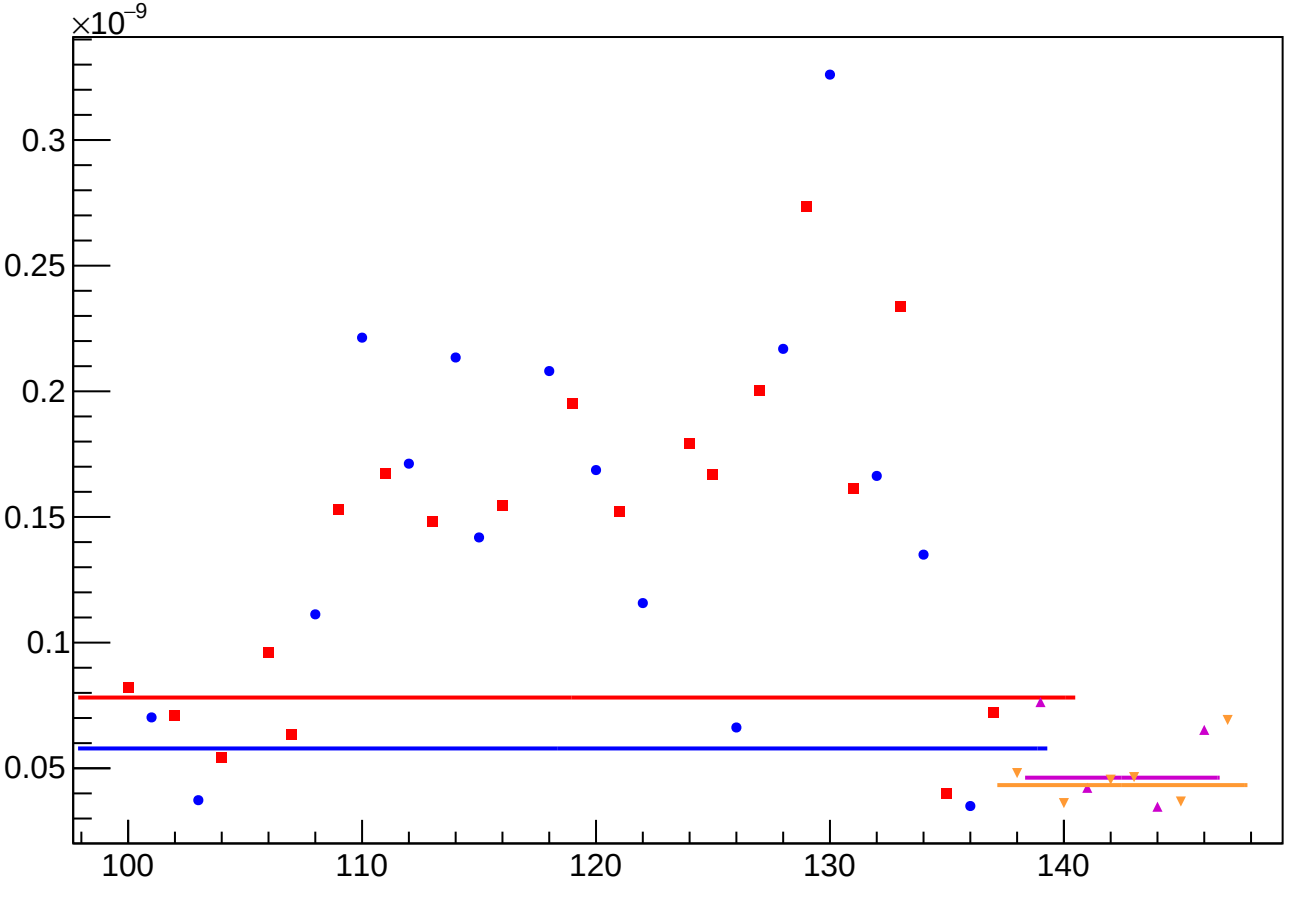
Left: -0.000+/-0.000 χ^2/NDF: 9.2/9

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:19.6/19

Out: 0.000+/-0.000 χ^2/NDF:27.3/24

All: 0.000+/-0.000 χ^2/NDF: 48.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:253746.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:389629.1/3

Left: 0.000+/-0.000 χ^2/NDF: 653526.3/9

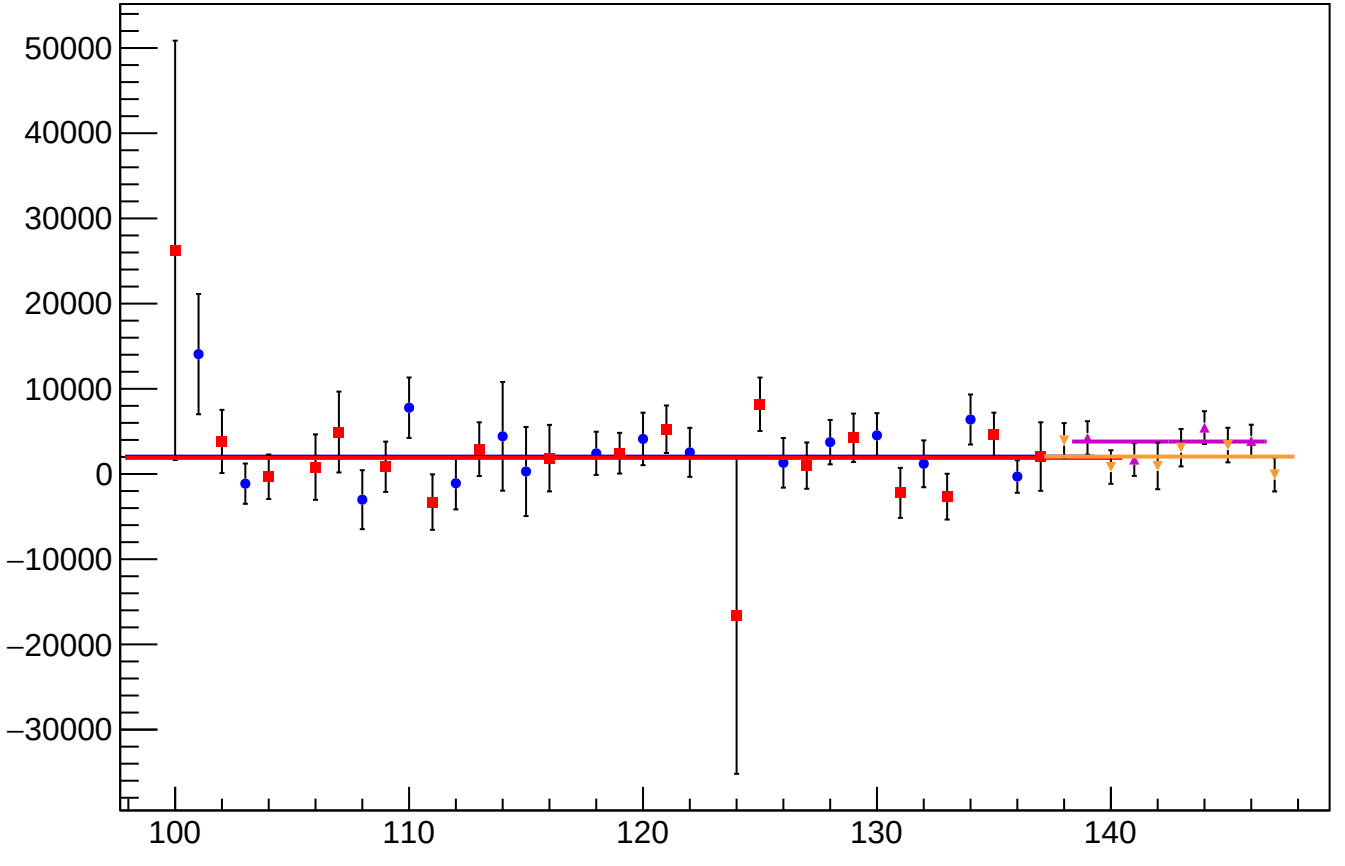
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3830115.3/19

Out: 0.000+/-0.000 χ^2/NDF:3983211.2/24

All: 0.000+/-0.000 χ^2/NDF: 7815843.8/44

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2047.910+/-865.700 χ^2/NDF:3.2/5

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 3810.148+/-963.498 χ^2/NDF:2.0/3

Left: 2835.080+/-643.951 χ^2/NDF: 7.0/9

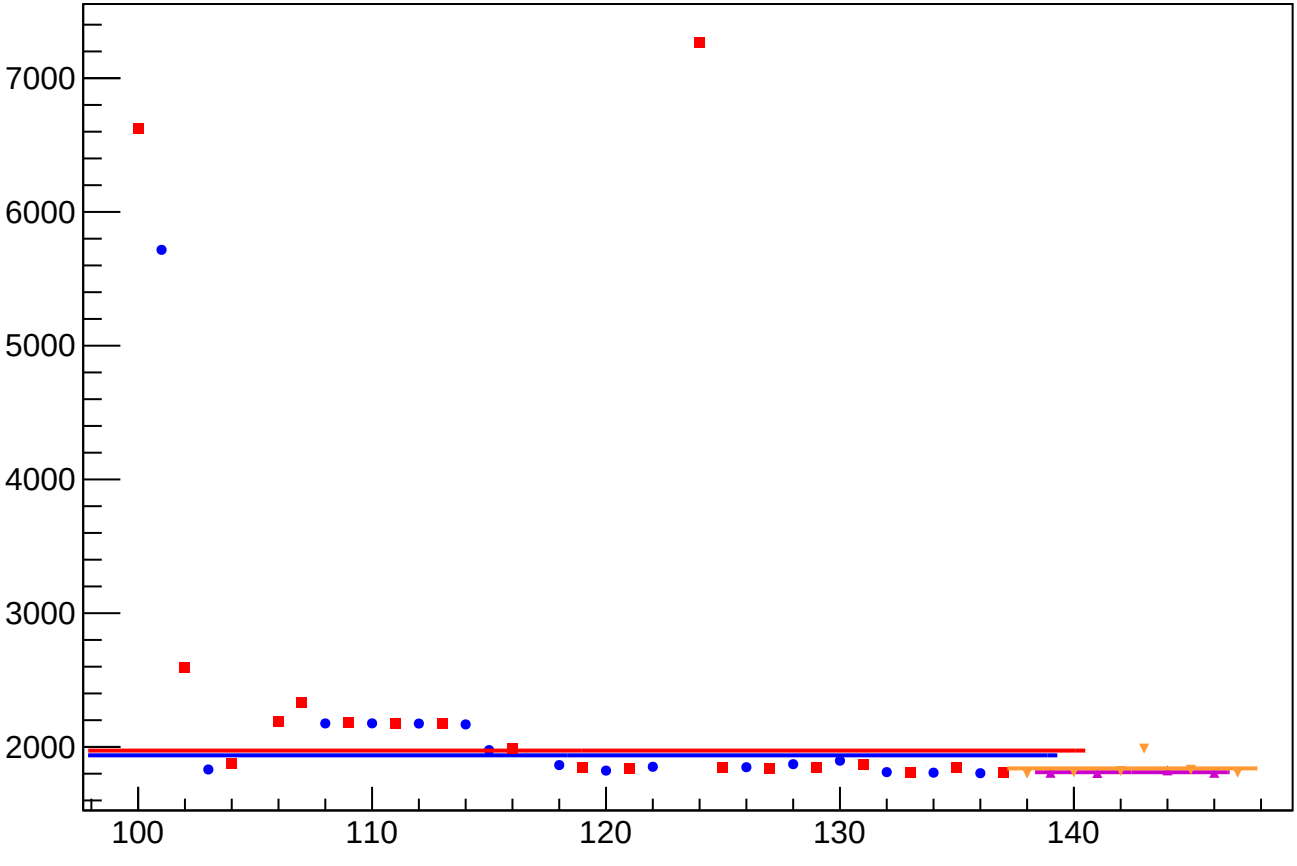
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2692.029+/-584.985 χ^2/NDF:20.6/19

Out: 1959.371+/-561.074 χ^2/NDF:21.7/24

All: 2310.421+/-404.929 χ^2/NDF: 43.1/44

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1839.628+/-0.612 χ^2/NDF:10845.0/5

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

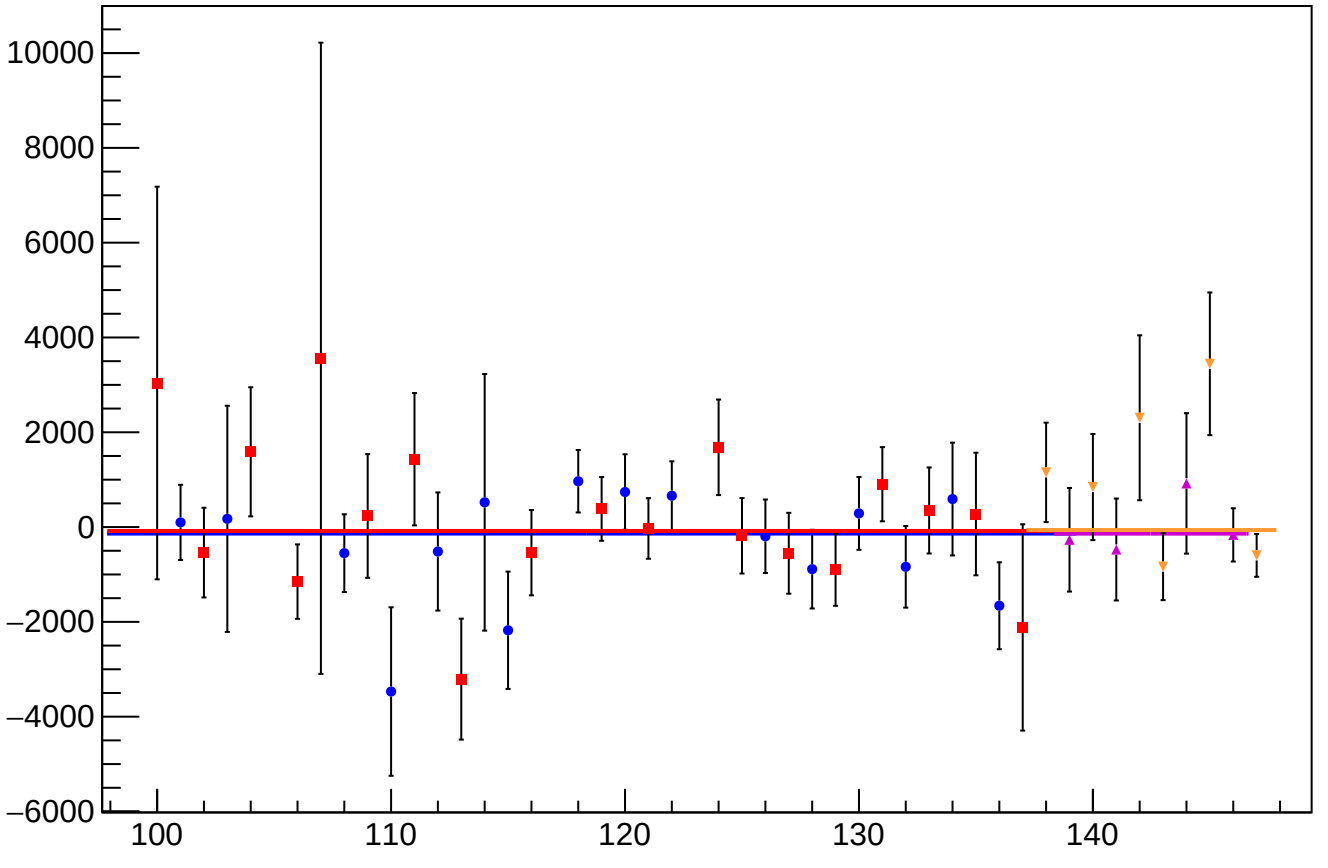
Left: 1826.963+/-0.455 χ^2/NDF: 11943.0/9

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1890.813+/-0.414 χ^2/NDF:659819.0/19

Out: 1916.837+/-0.397 χ^2/NDF:415813.4/24

All: 1904.368+/-0.286 χ^2/NDF: 1077694.0/44



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -62.480+/-326.681 χ^2/NDF:11.9/5

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: -138.254+/-433.301 χ^2/NDF:0.6/3

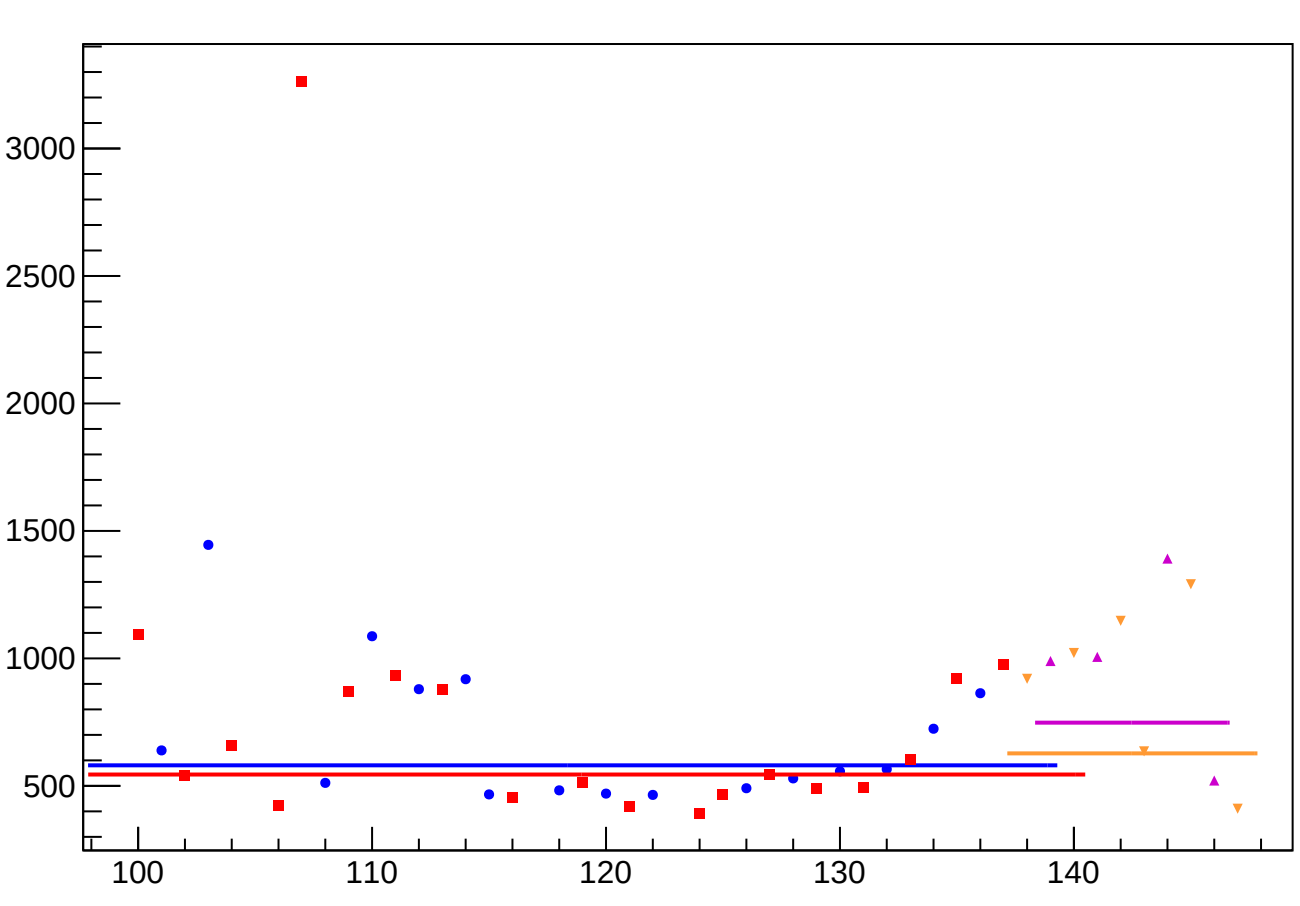
Left: -89.942+/-260.851 χ^2/NDF: 12.5/9

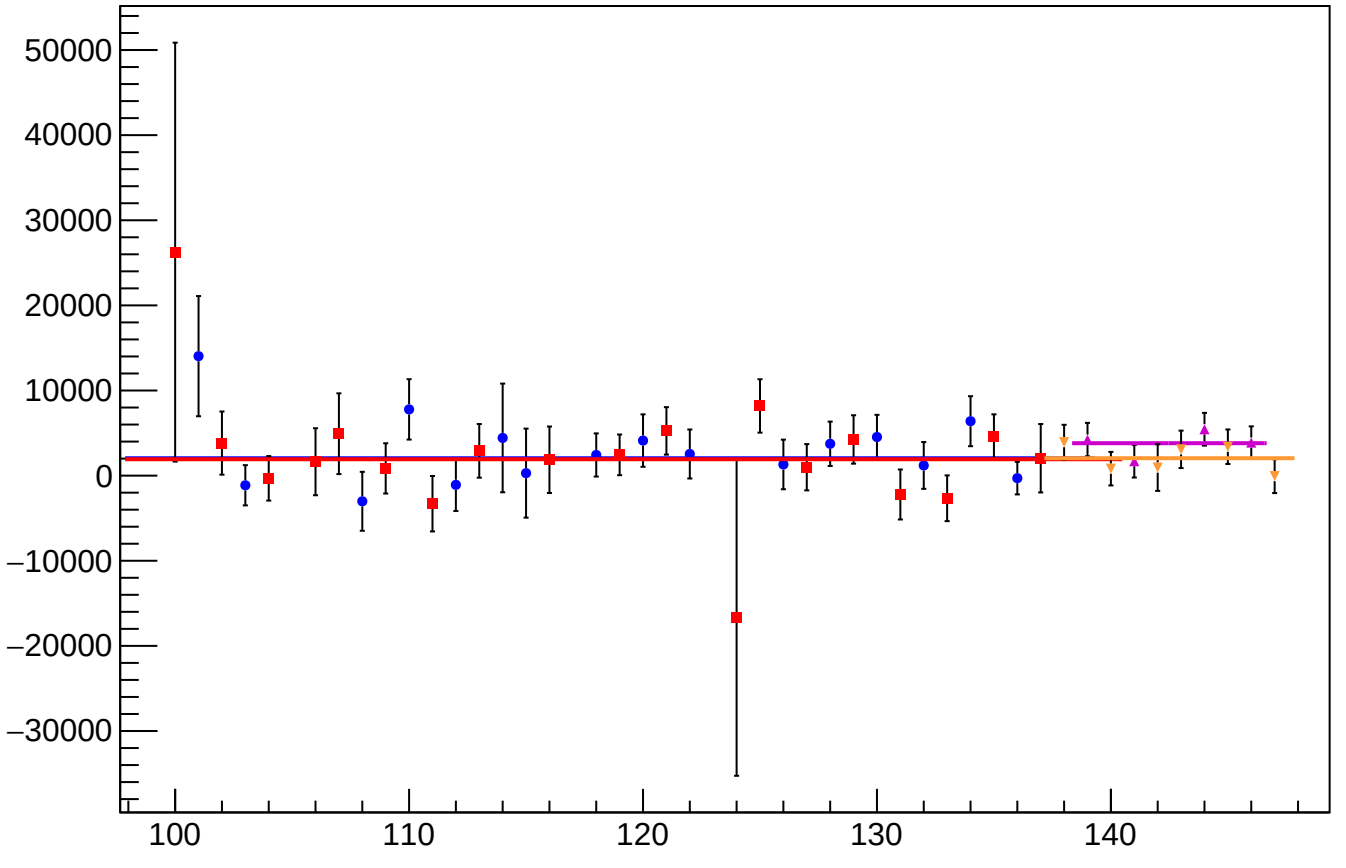
Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -136.998+/-203.450 χ^2/NDF:17.5/19

Out: -76.035+/-183.626 χ^2/NDF:31.6/24

All: -103.403+/-136.314 χ^2/NDF: 49.2/44


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
Right In: 580.611+/-0.163 χ²/NDF: 1003410.8/15
Left Out: 627.452+/-0.231 χ²/NDF:1430746.9/5
Right Out: 544.530+/-0.157 χ²/NDF: 1287643.0/18
Left In: 747.973+/-0.306 χ²/NDF:917036.7/3
Left: 671.131+/-0.184 χ²/NDF: 2446437.4/9
Right: 561.900+/-0.113 χ²/NDF: 2316481.8/34
In: 617.508+/-0.144 χ²/NDF:2153044.2/19
Out: 570.730+/-0.130 χ²/NDF:2806537.2/24
All: 591.729+/-0.096 χ²/NDF: 5017848.5/44



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2047.876+/-865.700 χ^2/NDF:3.2/5

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 3810.355+/-963.498 χ^2/NDF:2.0/3

Left: 2835.153+/-643.951 χ^2/NDF: 7.0/9

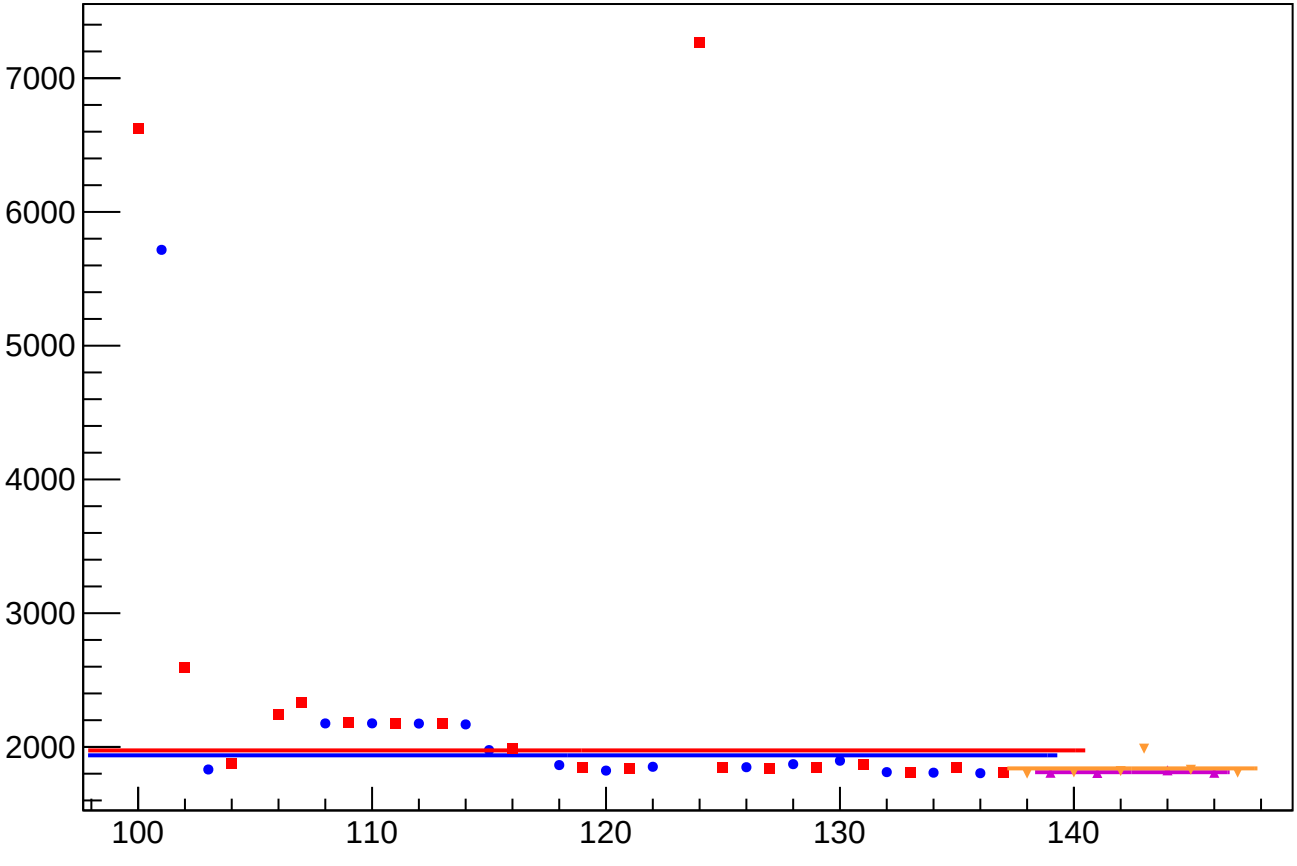
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2691.872+/-584.985 χ^2/NDF:20.5/19

Out: 1977.400+/-561.361 χ^2/NDF:21.6/24

All: 2319.918+/-405.036 χ^2/NDF: 43.0/44

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1839.628+/-0.612 χ^2/NDF:10845.0/5

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

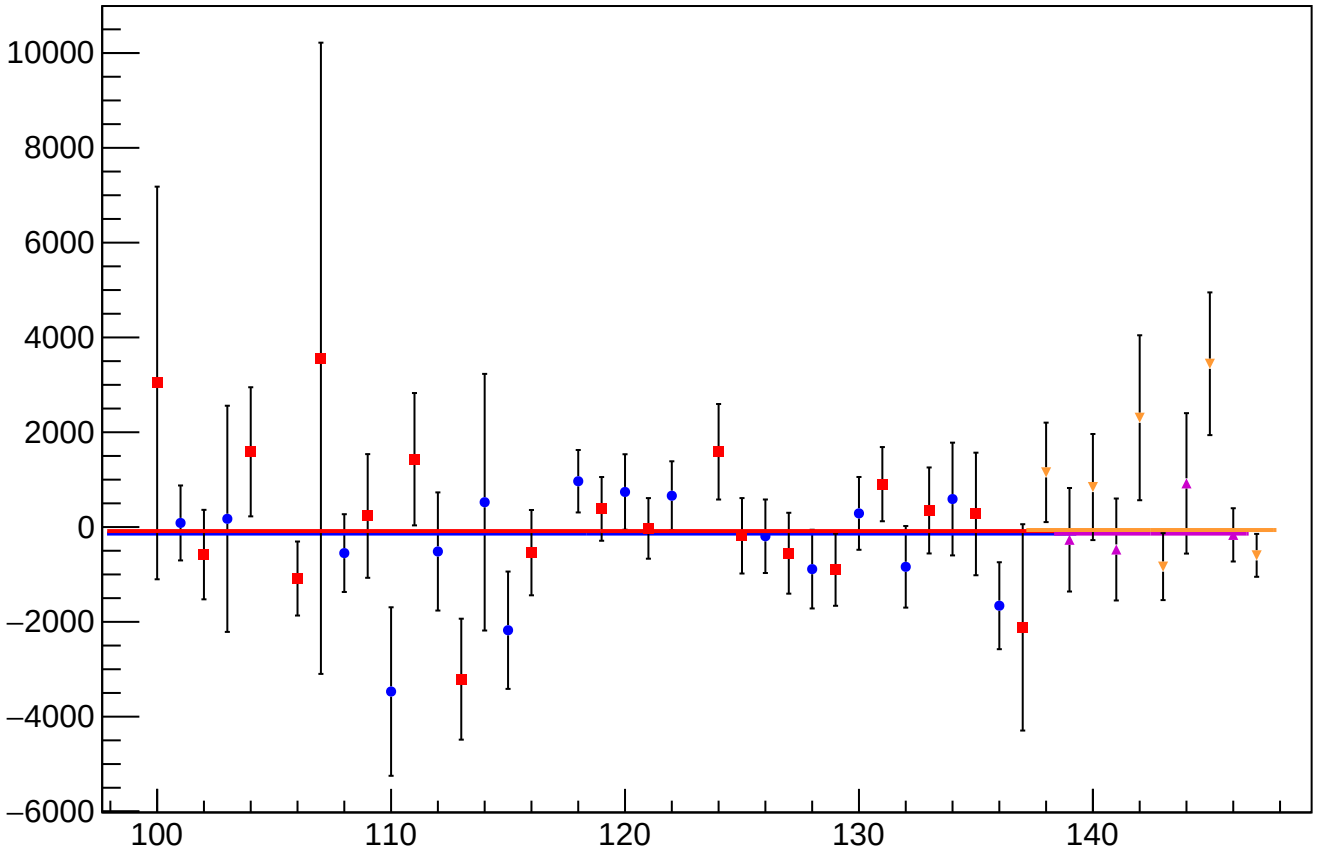
Left: 1826.963+/-0.455 χ^2/NDF: 11943.0/9

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1890.813+/-0.414 χ^2/NDF:659818.9/19

Out: 1917.589+/-0.397 χ^2/NDF:419264.0/24

All: 1904.752+/-0.286 χ^2/NDF: 1081264.3/44



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -62.673+/-326.691 χ^2/NDF:11.9/5

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -138.327+/-433.304 χ^2/NDF:0.6/3

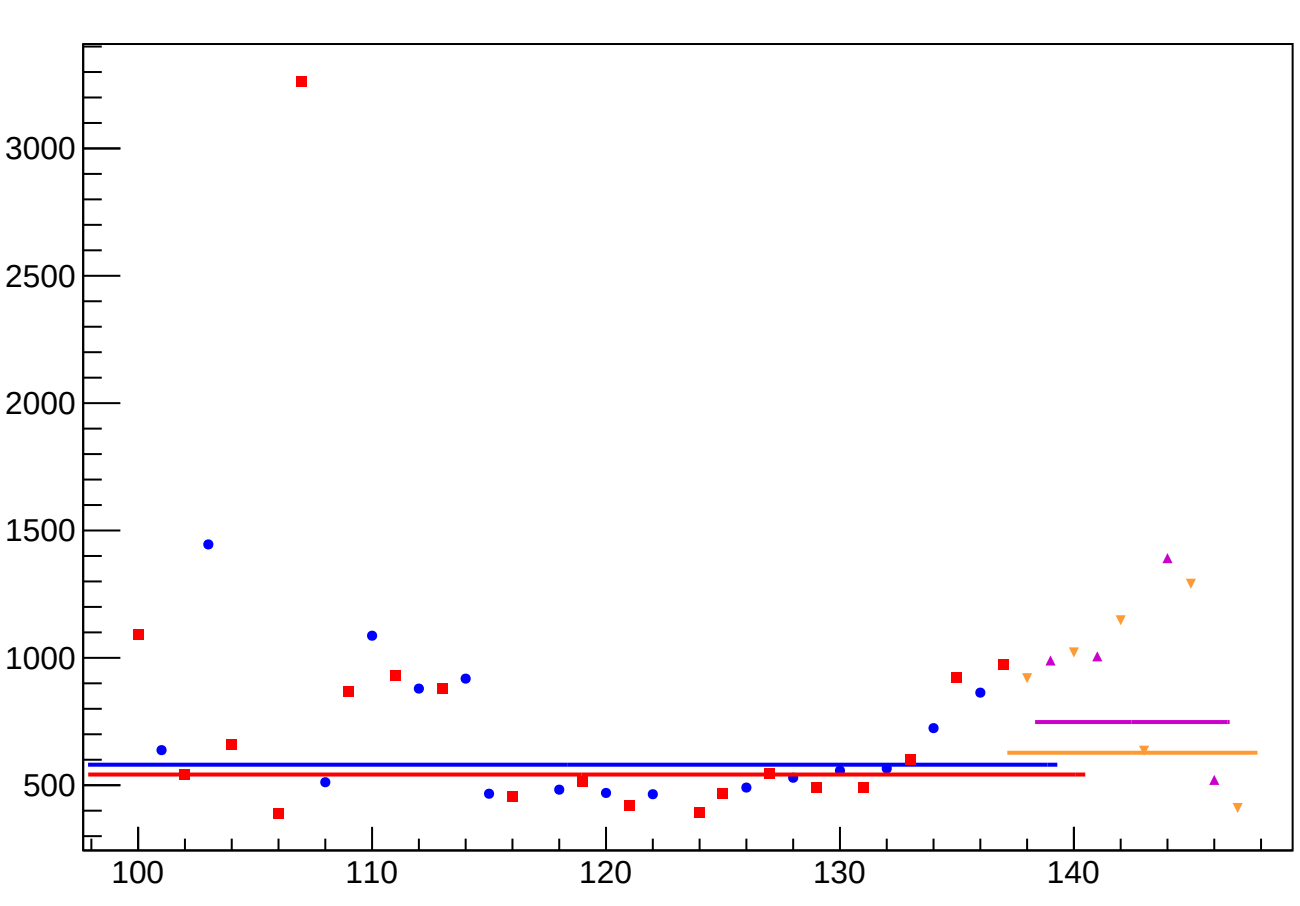
Left: -90.092+/-260.857 χ^2/NDF: 12.5/9

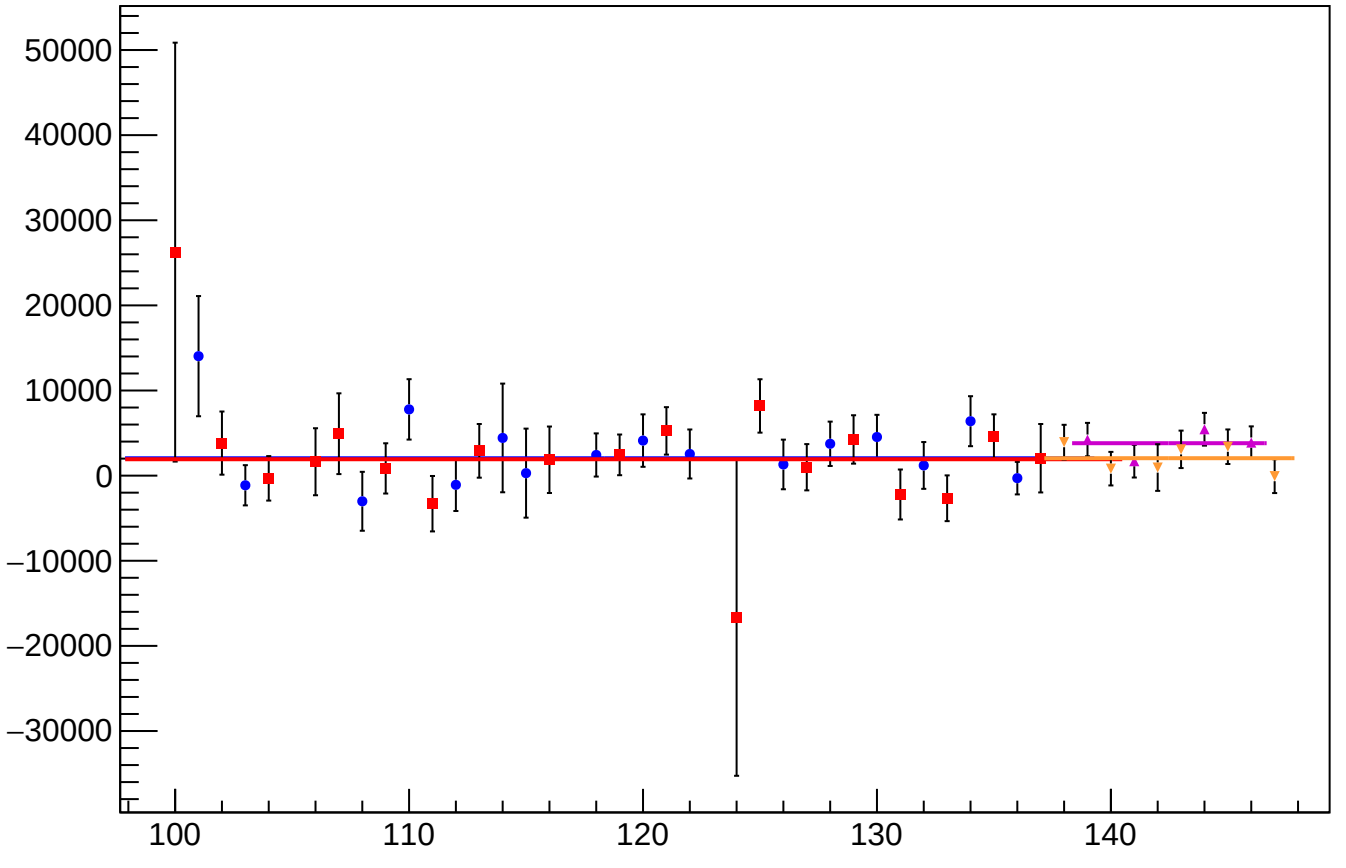
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -137.675+/-203.417 χ^2/NDF:17.5/19

Out: -77.916+/-183.549 χ^2/NDF:31.2/24

All: -104.735+/-136.273 χ^2/NDF: 48.7/44


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 627.478+/-0.231 χ²/NDF:1430569.1/5
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 747.977+/-0.306 χ²/NDF:917038.7/3
Left: 671.150+/-0.184 χ²/NDF: 2446222.2/9
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 617.425+/-0.144 χ²/NDF:2152820.7/19
Out: 568.941+/-0.130 χ²/NDF:2843252.4/24
All: 590.700+/-0.096 χ²/NDF: 5058700.3/44



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2047.876+/-865.700 χ^2/NDF:3.2/5

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 3810.355+/-963.498 χ^2/NDF:2.0/3

Left: 2835.153+/-643.951 χ^2/NDF: 7.0/9

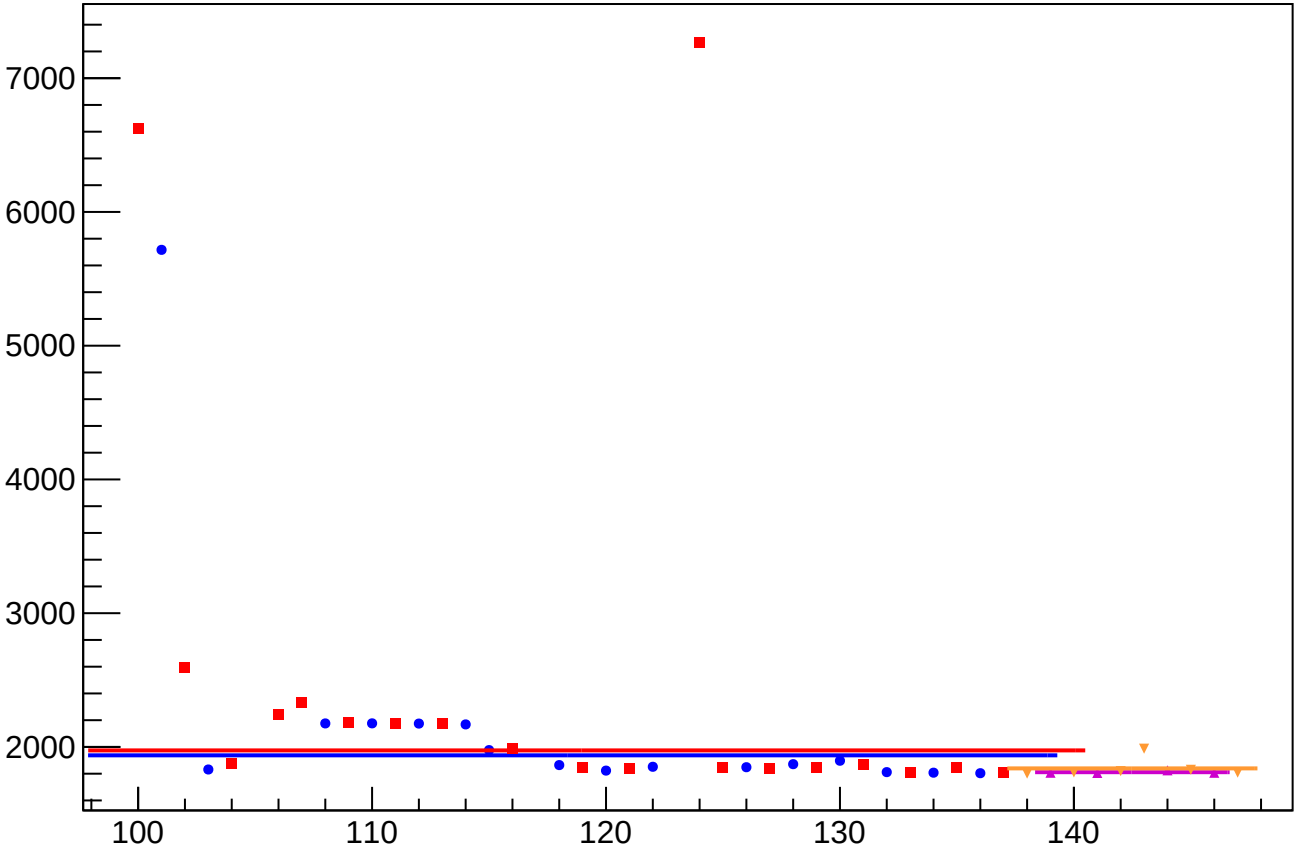
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2691.872+/-584.985 χ^2/NDF:20.5/19

Out: 1977.400+/-561.361 χ^2/NDF:21.6/24

All: 2319.918+/-405.036 χ^2/NDF: 43.0/44

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1839.628+/-0.612 χ^2/NDF:10845.0/5

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1811.276+/-0.681 χ^2/NDF:139.8/3

Left: 1826.963+/-0.455 χ^2/NDF: 11943.0/9

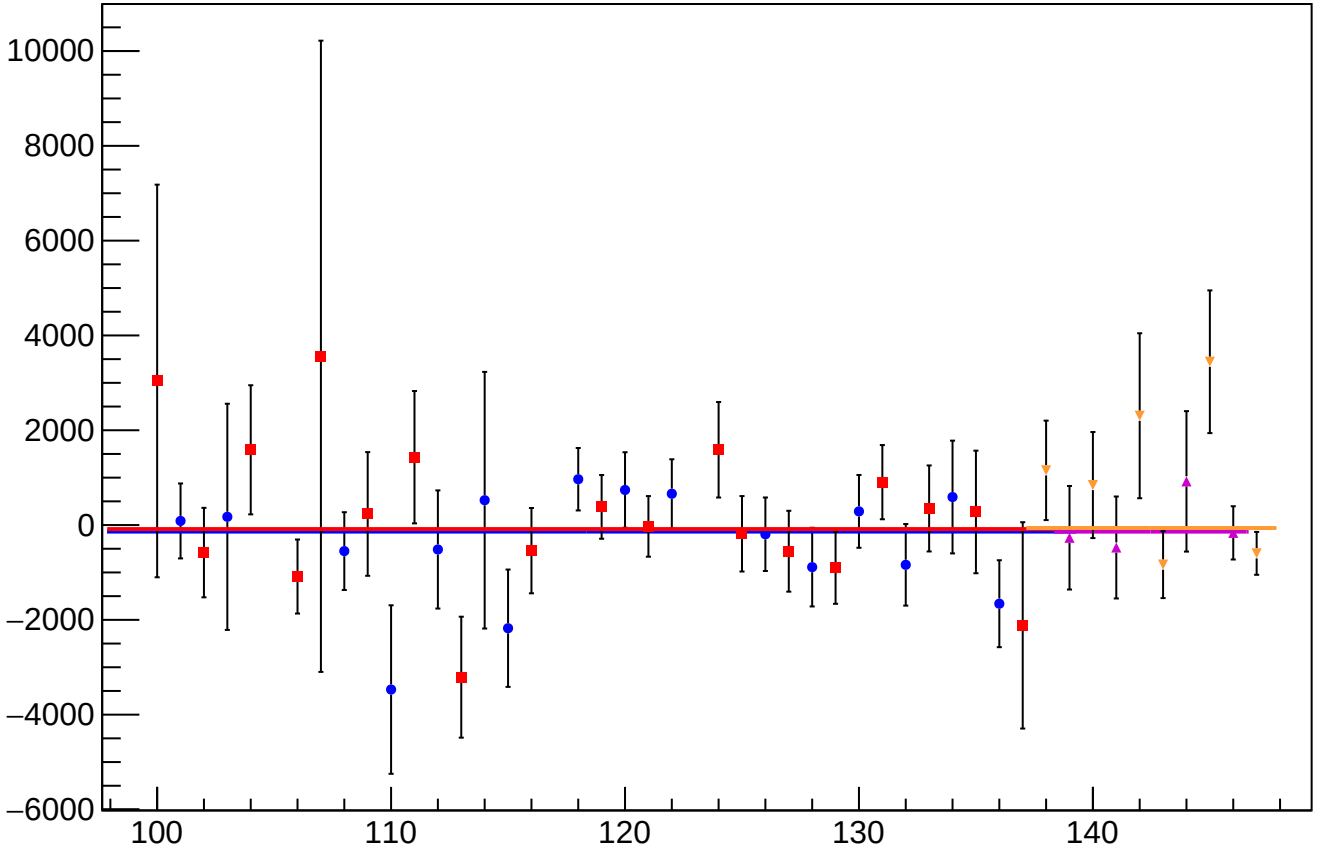
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1890.813+/-0.414 χ^2/NDF:659818.9/19

Out: 1917.589+/-0.397 χ^2/NDF:419264.0/24

All: 1904.752+/-0.286 χ^2/NDF: 1081264.3/44

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -62.673+/-326.691 χ^2/NDF:11.9/5

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: -138.327+/-433.304 χ^2/NDF:0.6/3

Left: -90.092+/-260.857 χ^2/NDF: 12.5/9

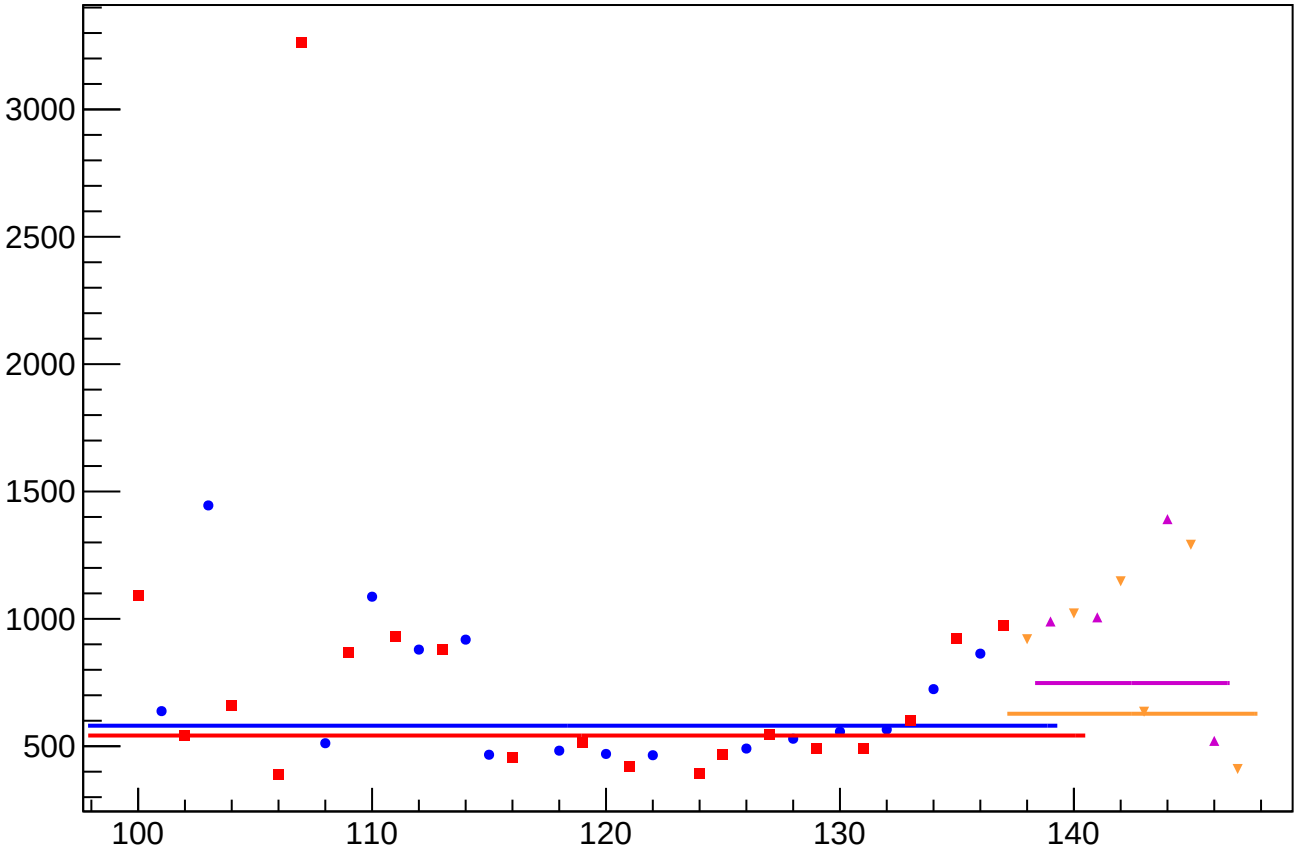
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -137.675+/-203.417 χ^2/NDF:17.5/19

Out: -77.916+/-183.549 χ^2/NDF:31.2/24

All: -104.735+/-136.273 χ^2/NDF: 48.7/44

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 627.478+/-0.231 χ^2/NDF:1430569.1/5

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 747.977+/-0.306 χ^2/NDF:917038.7/3

Left: 671.150+/-0.184 χ^2/NDF: 2446222.2/9

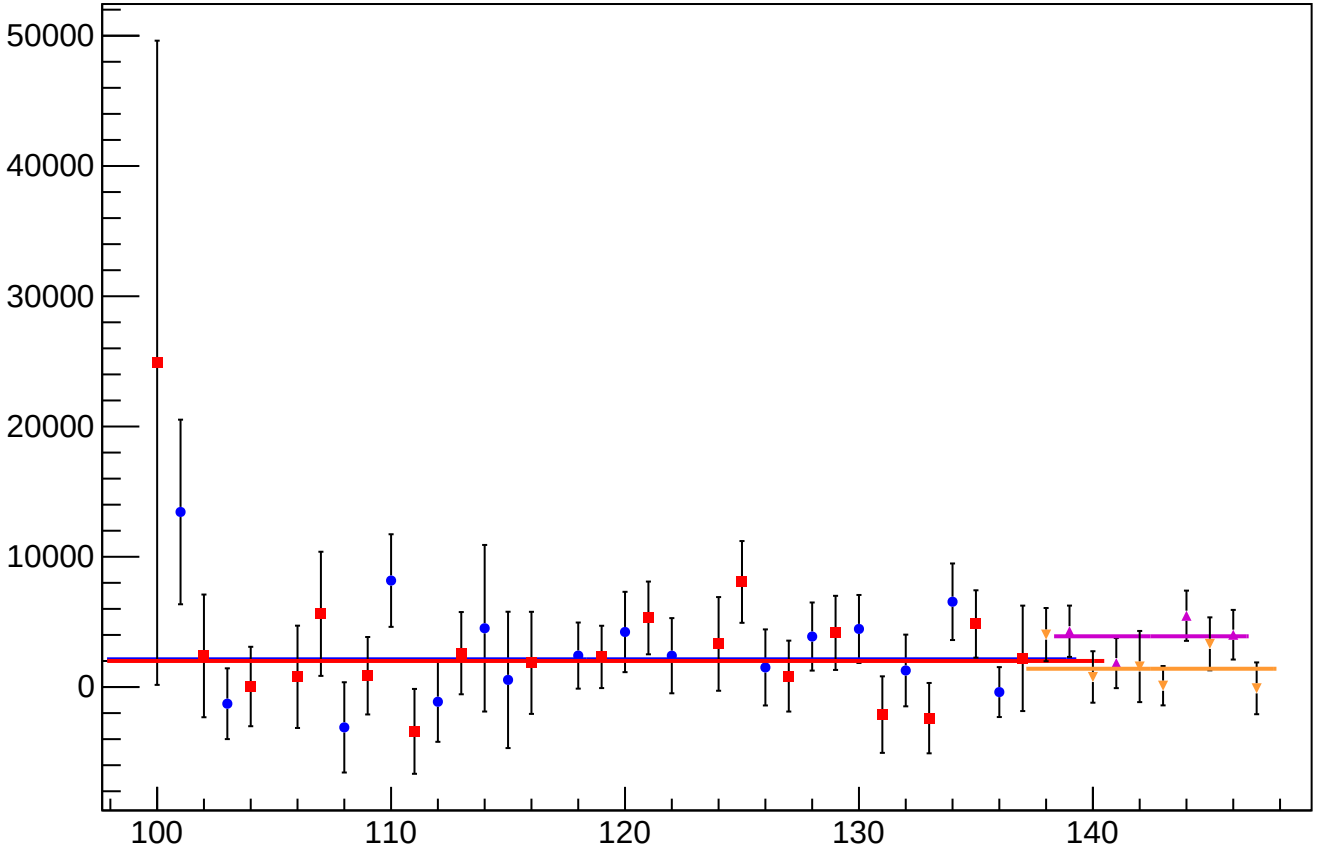
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 617.425+/-0.144 χ^2/NDF:2152820.7/19

Out: 568.941+/-0.130 χ^2/NDF:2843252.4/24

All: 590.700+/-0.096 χ^2/NDF: 5058700.3/44

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1404.829+/-799.809 χ^2/NDF:3.9/5

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 3896.341+/-965.360 χ^2/NDF:1.9/3

Left: 2418.949+/-615.889 χ^2/NDF: 9.8/9

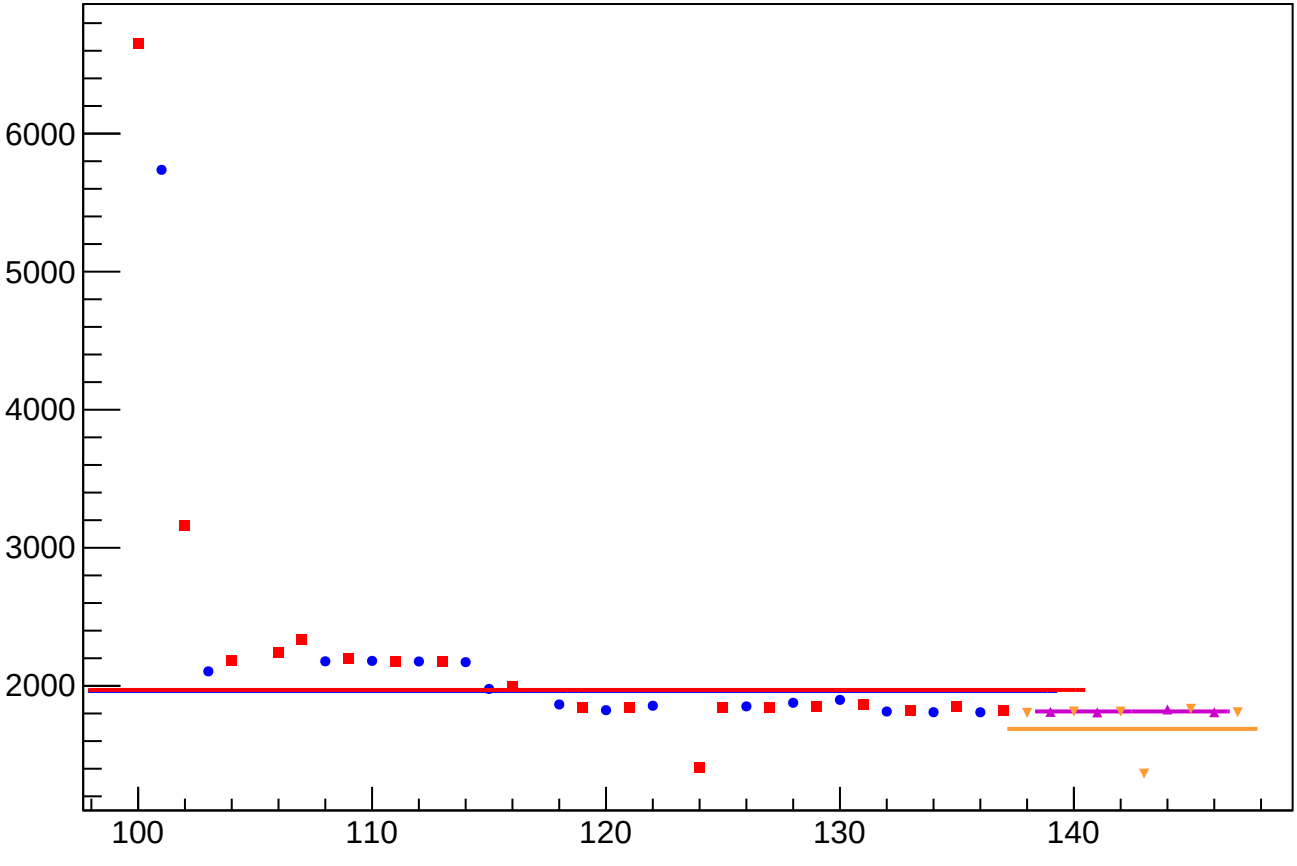
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2789.908+/-590.407 χ^2/NDF:20.5/19

Out: 1727.821+/-542.061 χ^2/NDF:21.0/24

All: 2213.606+/-399.295 χ^2/NDF: 43.2/44

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1688.390+/-0.566 χ^2/NDF:128366.1/5

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1814.704+/-0.683 χ^2/NDF:163.9/3

Left: 1739.804+/-0.435 χ^2/NDF: 148834.3/9

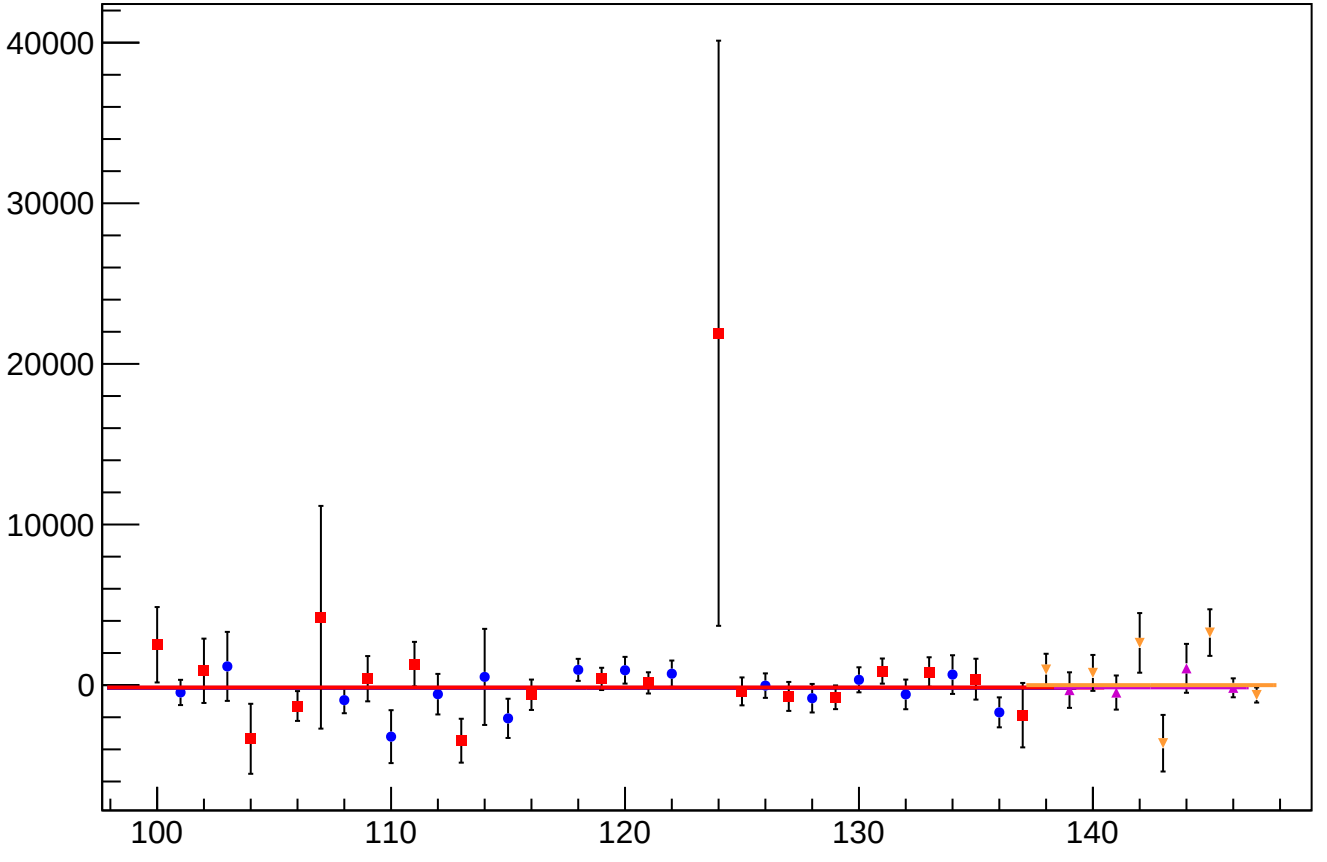
Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1907.790+/-0.417 χ^2/NDF:670126.3/19

Out: 1840.897+/-0.383 χ^2/NDF:607992.8/24

All: 1871.493+/-0.282 χ^2/NDF: 1292050.4/44

asym_at1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -1.113+/-366.714 χ^2/NDF:14.4/5

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: -137.616+/-446.878 χ^2/NDF:0.7/3

Left: -56.044+/-283.483 χ^2/NDF: 15.2/9

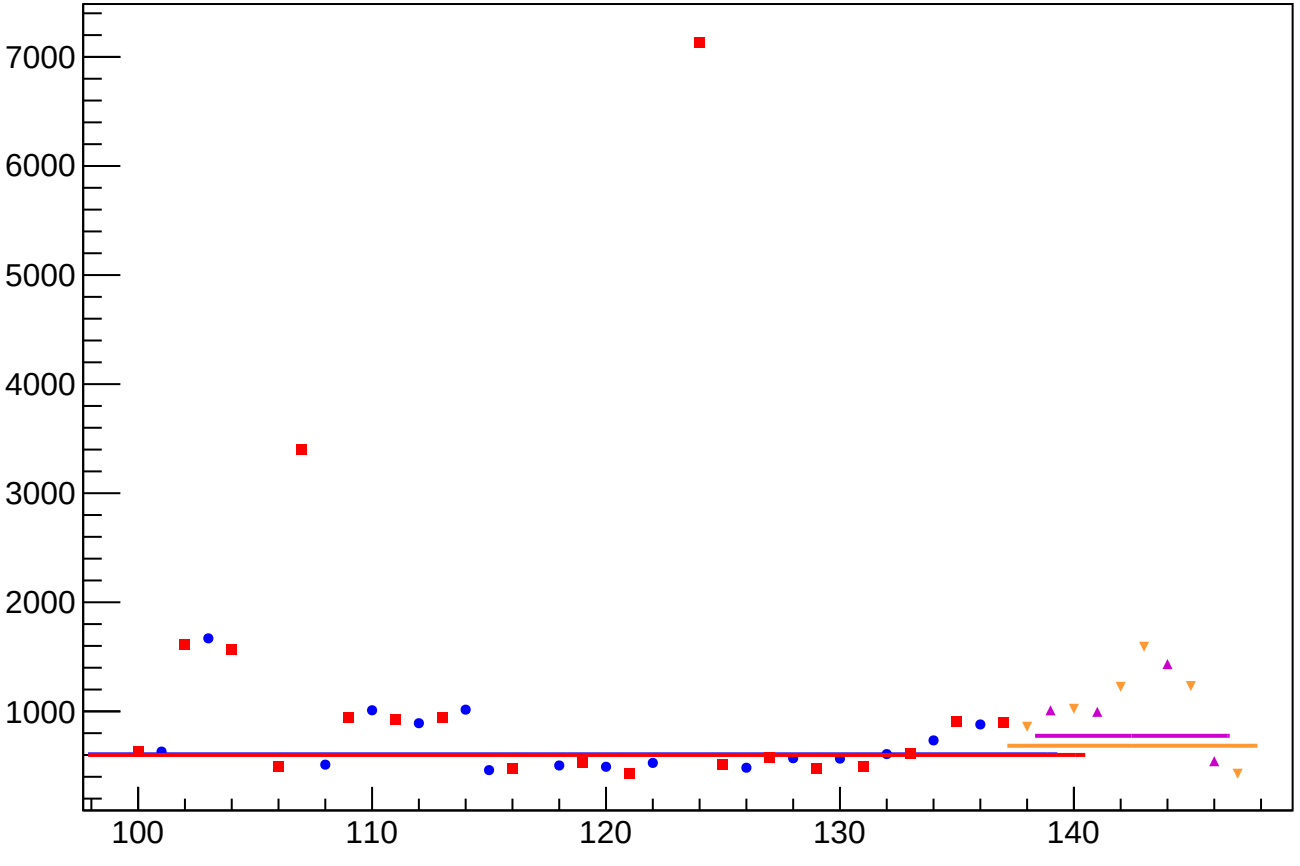
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -163.499+/-209.316 χ^2/NDF:18.0/19

Out: -102.866+/-202.475 χ^2/NDF:34.7/24

All: -132.176+/-145.530 χ^2/NDF: 52.7/44

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 684.598+/-0.259 χ^2/NDF:1824978.2/5

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 775.861+/-0.316 χ^2/NDF:860427.0/3

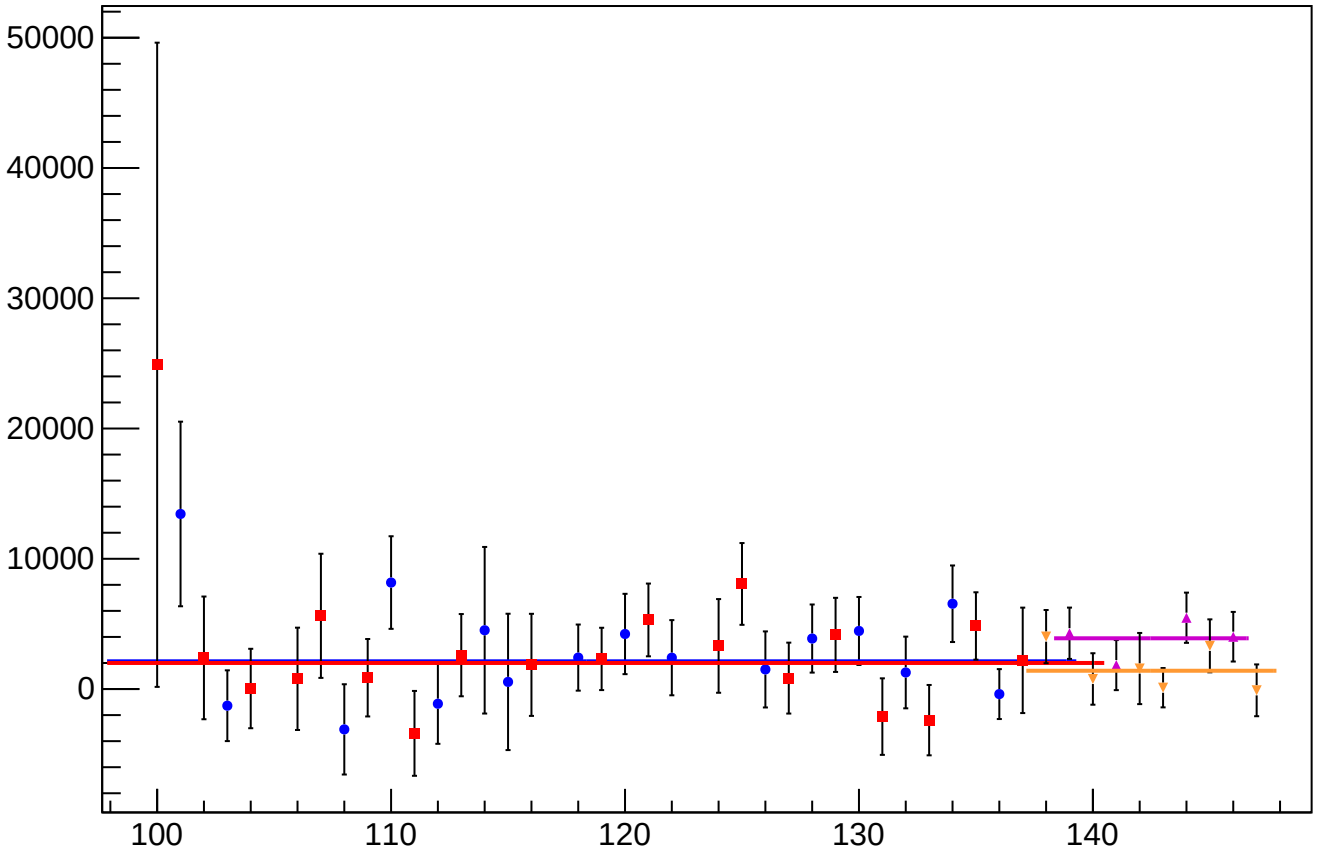
Left: 721.324+/-0.200 χ^2/NDF: 2735252.1/9

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 642.821+/-0.148 χ^2/NDF:2249962.7/19

Out: 626.100+/-0.143 χ^2/NDF:4226712.7/24

All: 634.183+/-0.103 χ^2/NDF: 6483268.7/44



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1404.831+/-799.809 χ^2/NDF:3.9/5

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 3896.341+/-965.360 χ^2/NDF:1.9/3

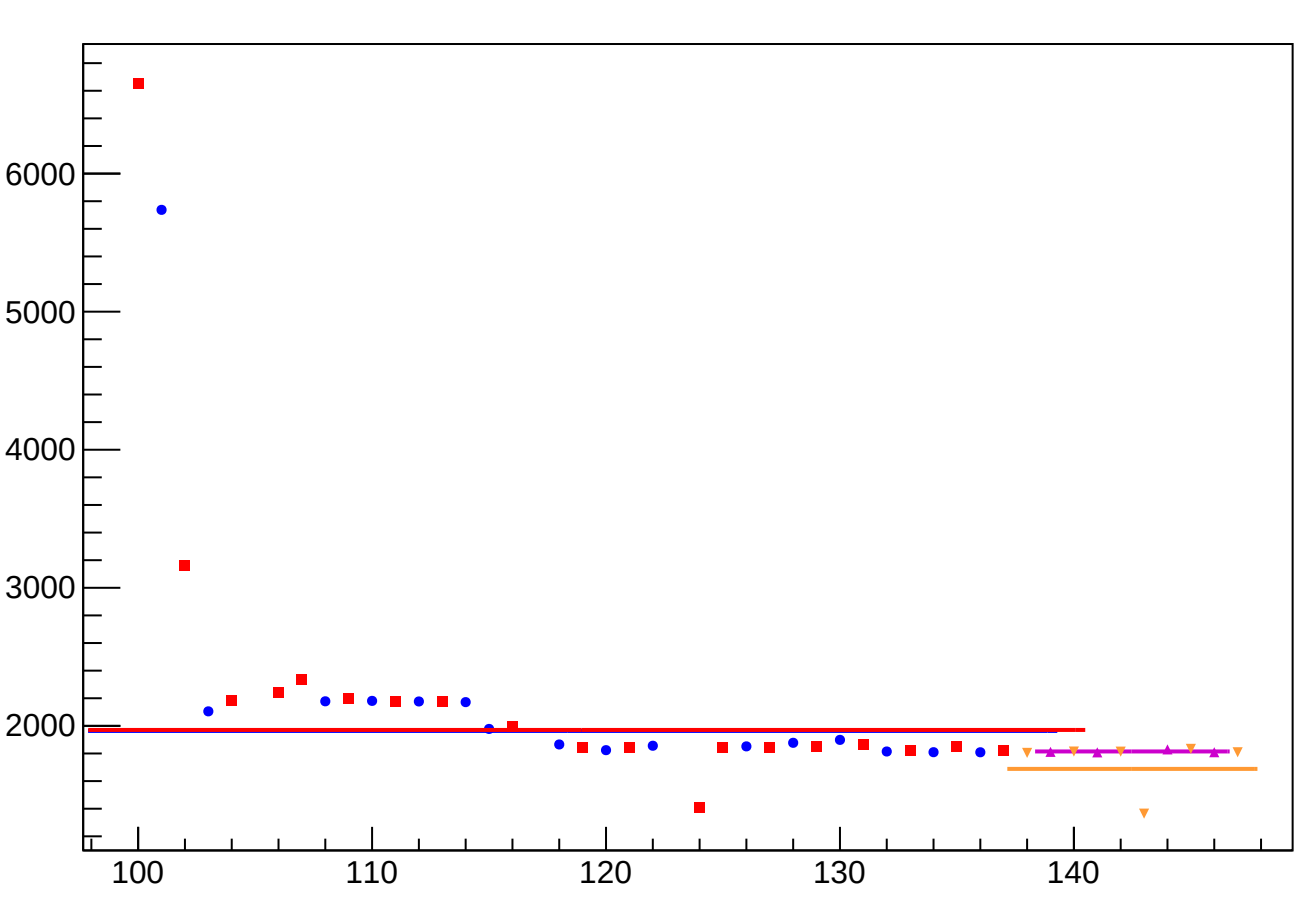
Left: 2418.950+/-615.889 χ^2/NDF: 9.8/9

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2789.906+/-590.407 χ^2/NDF:20.5/19

Out: 1727.821+/-542.061 χ^2/NDF:21.0/24

All: 2213.605+/-399.295 χ^2/NDF: 43.2/44



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1688.390+/-0.566 χ^2/NDF:128366.1/5

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1814.704+/-0.683 χ^2/NDF:163.9/3

Left: 1739.804+/-0.435 χ^2/NDF: 148834.3/9

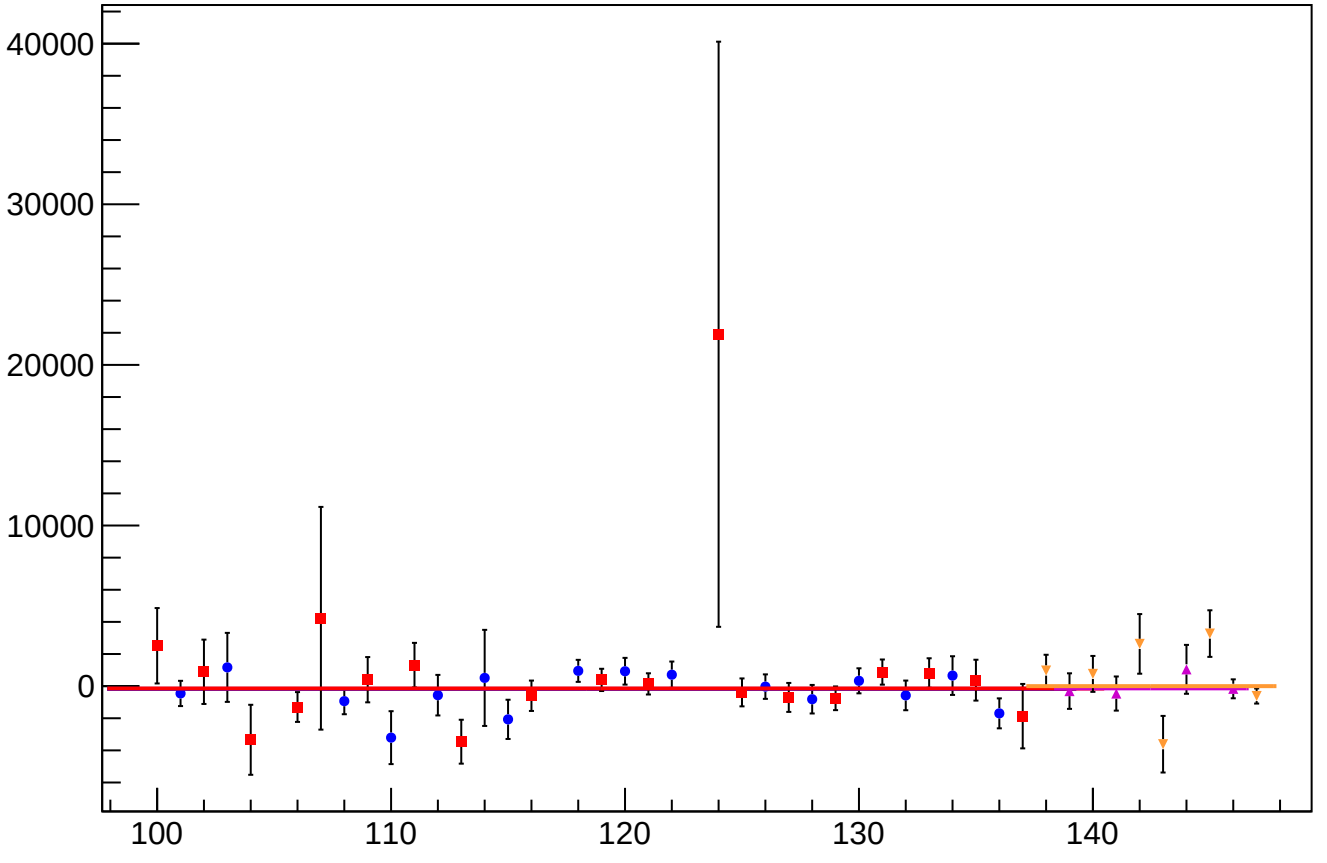
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1907.790+/-0.417 χ^2/NDF:670126.0/19

Out: 1840.897+/-0.383 χ^2/NDF:607991.3/24

All: 1871.493+/-0.282 χ^2/NDF: 1292048.5/44

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: -1.113+/-366.714 χ^2/NDF:14.4/5

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: -137.617+/-446.879 χ^2/NDF:0.7/3

Left: -56.044+/-283.483 χ^2/NDF: 15.2/9

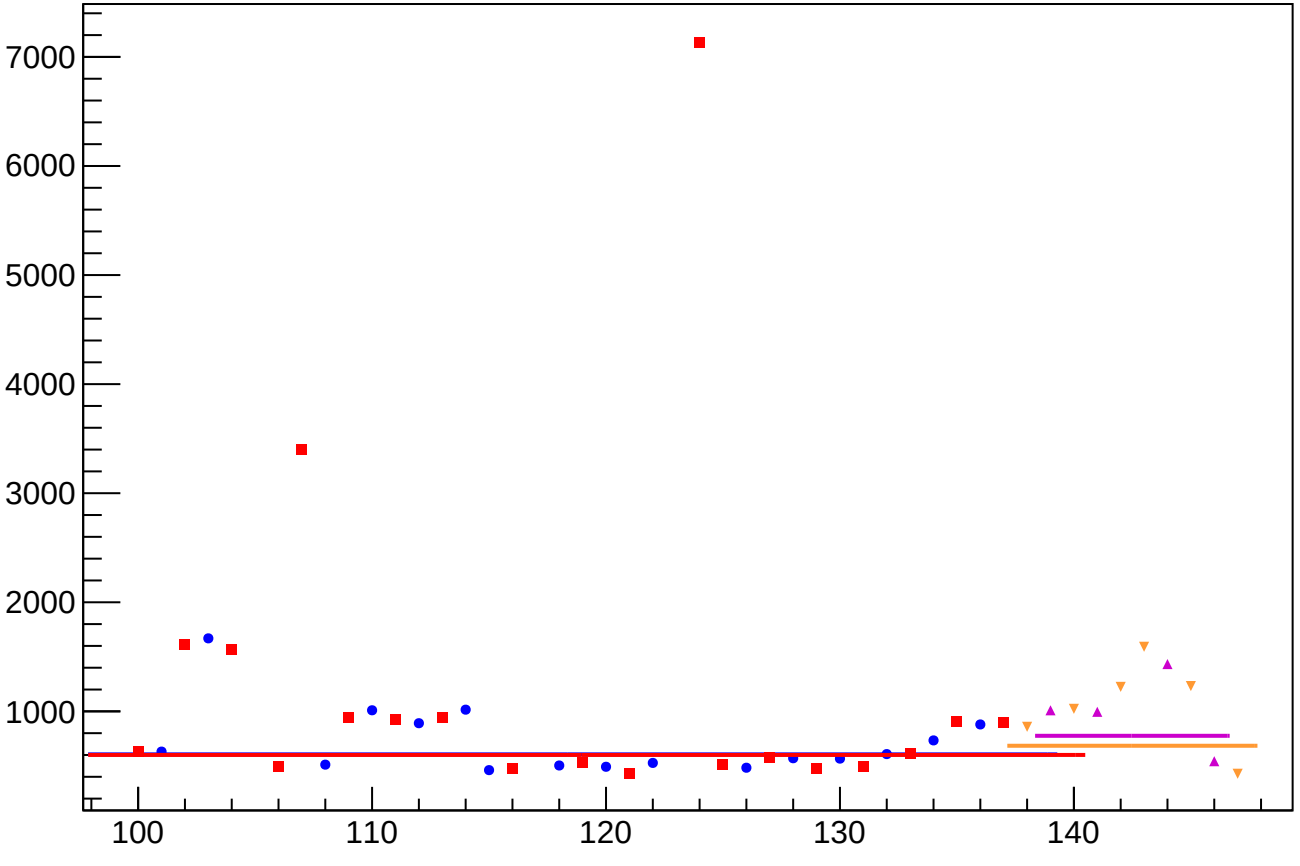
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -163.499+/-209.316 χ^2/NDF:18.0/19

Out: -102.866+/-202.475 χ^2/NDF:34.7/24

All: -132.175+/-145.530 χ^2/NDF: 52.7/44

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: 684.599+/-0.259 χ^2/NDF:1824973.8/5

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 775.862+/-0.316 χ^2/NDF:860425.5/3

Left: 721.325+/-0.200 χ^2/NDF: 2735246.0/9

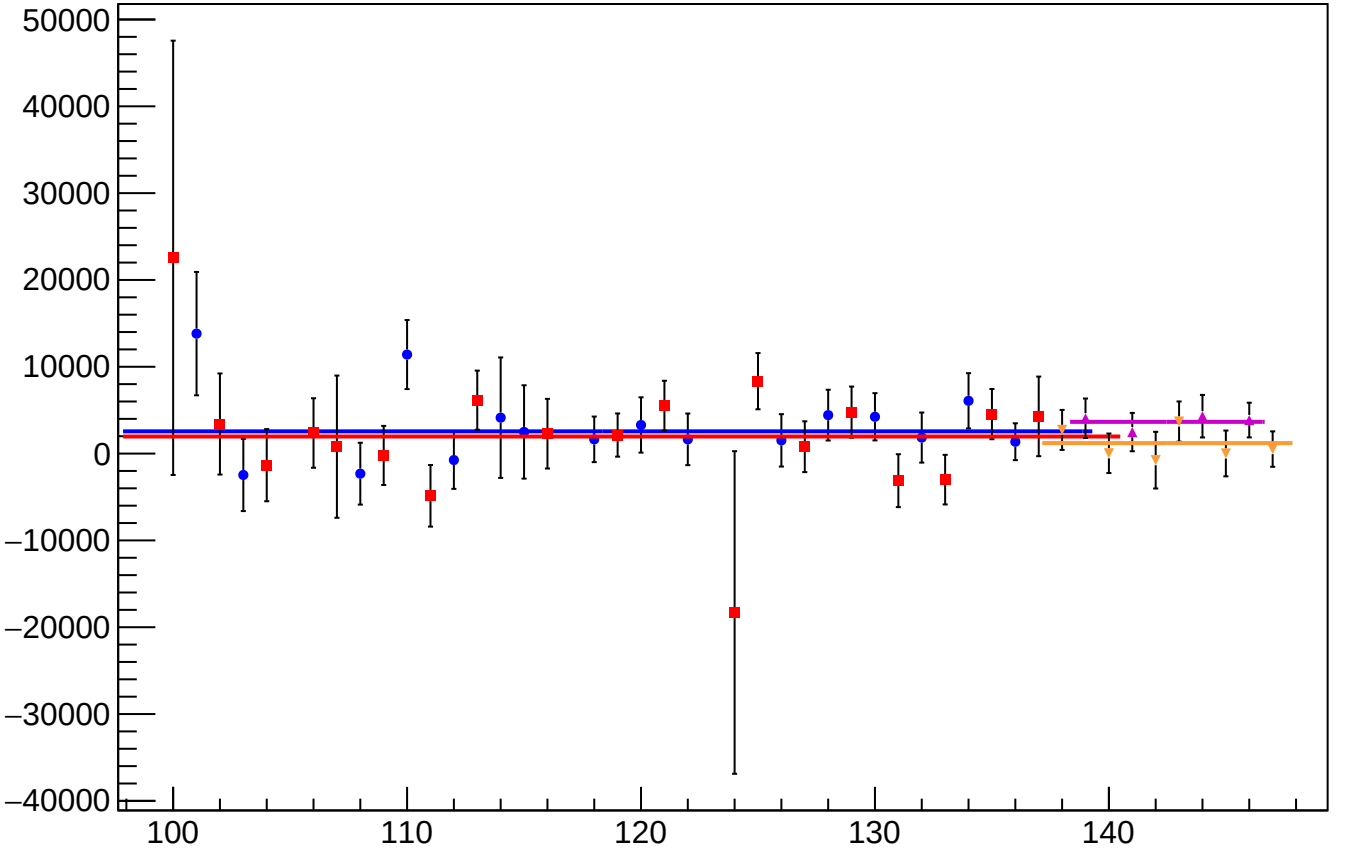
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 642.821+/-0.148 χ^2/NDF:2249974.7/19

Out: 626.100+/-0.143 χ^2/NDF:4226719.8/24

All: 634.183+/-0.103 χ^2/NDF: 6483287.5/44

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1210.726+/-977.583 χ^2/NDF:2.5/5

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 3655.347+/-1107.425 χ^2/NDF:0.4/3

Left: 2281.388+/-732.883 χ^2/NDF: 5.7/9

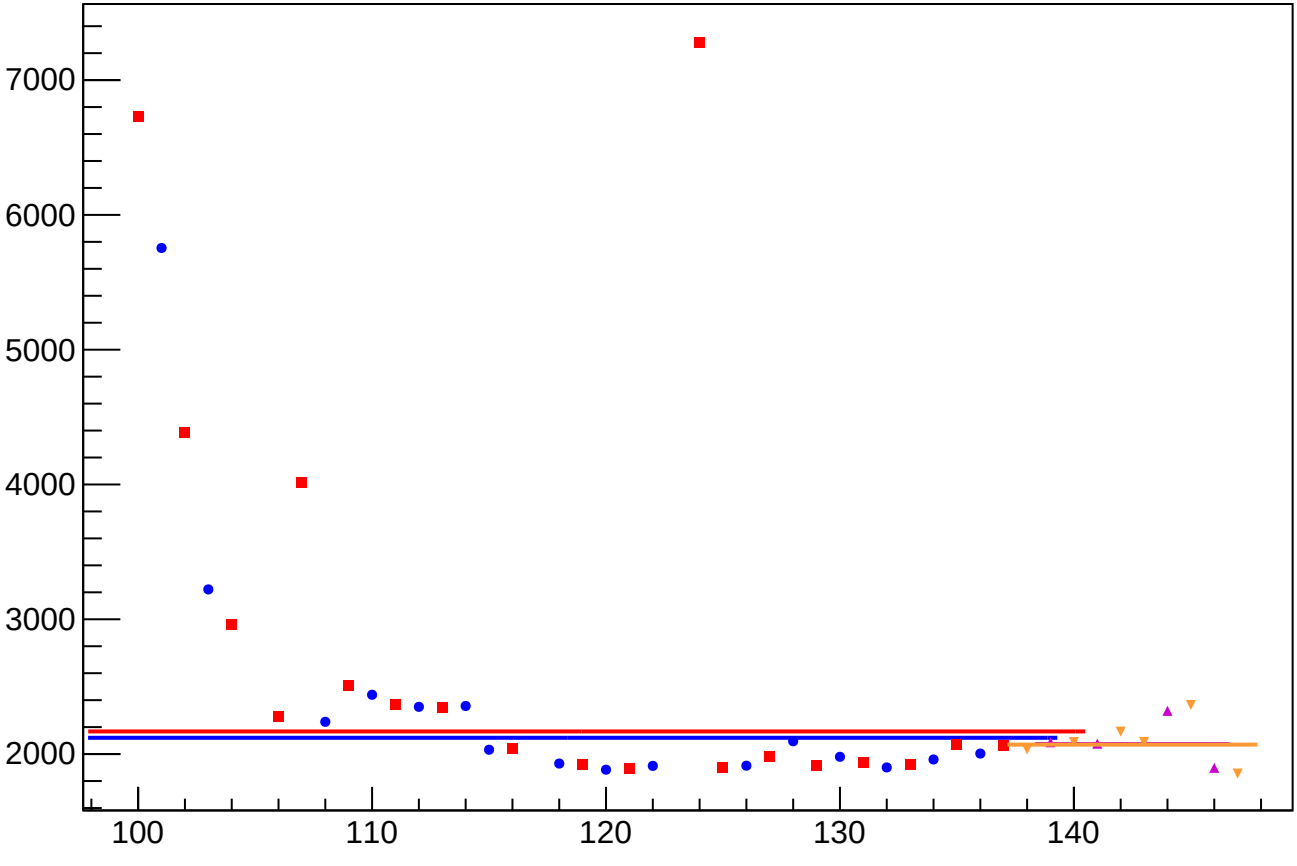
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2942.181+/-653.602 χ^2/NDF:15.6/19

Out: 1655.017+/-627.725 χ^2/NDF:24.5/24

All: 2272.615+/-452.741 χ^2/NDF: 42.1/44

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2070.221+/-0.691 χ^2/NDF:49571.6/5

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 2074.449+/-0.783 χ^2/NDF:35916.9/3

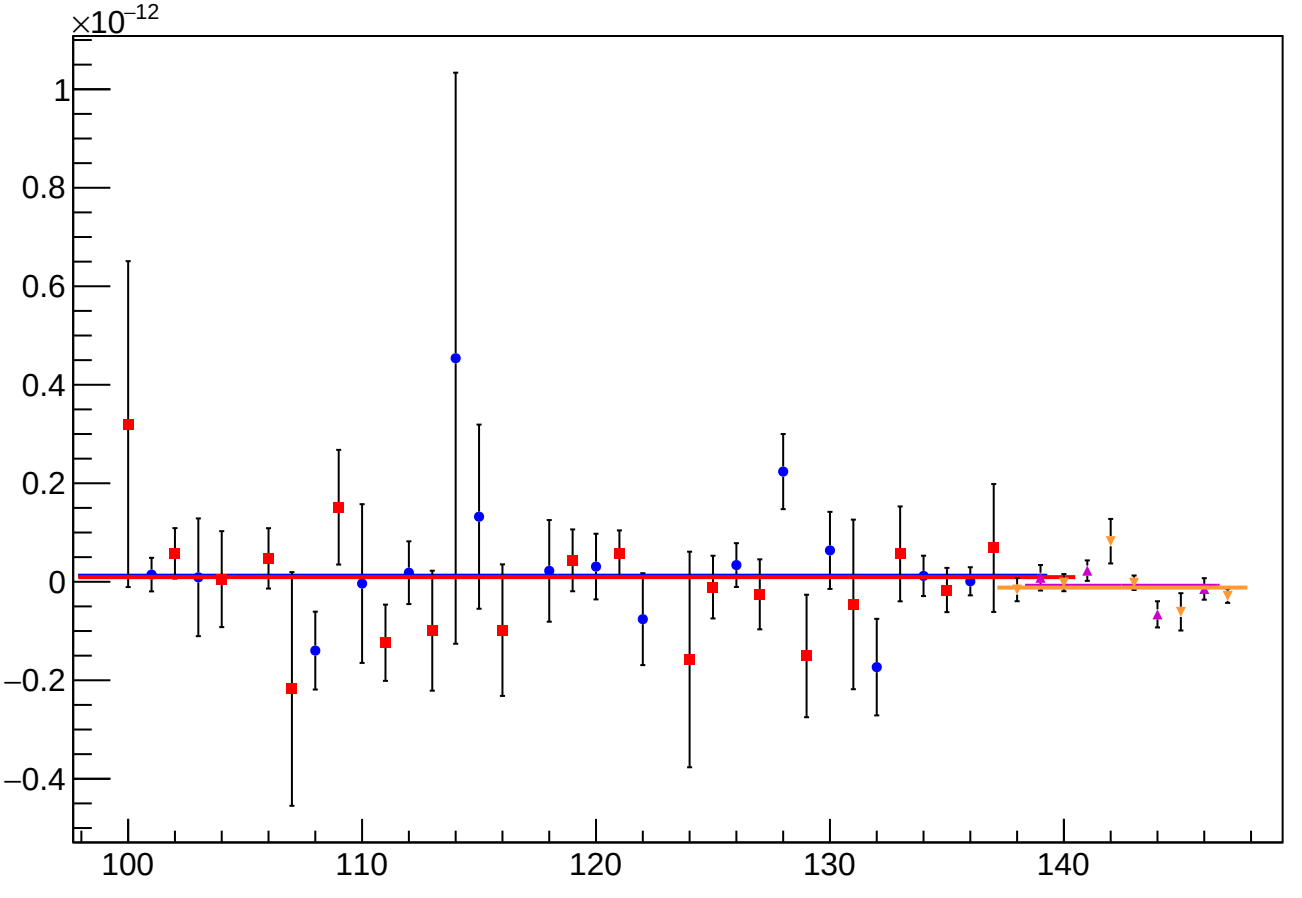
Left: 2072.073+/-0.518 χ^2/NDF: 85504.9/9

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2104.640+/-0.462 χ^2/NDF:798167.0/19

Out: 2127.590+/-0.444 χ^2/NDF:885217.4/24

All: 2116.578+/-0.320 χ^2/NDF: 1684667.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/3

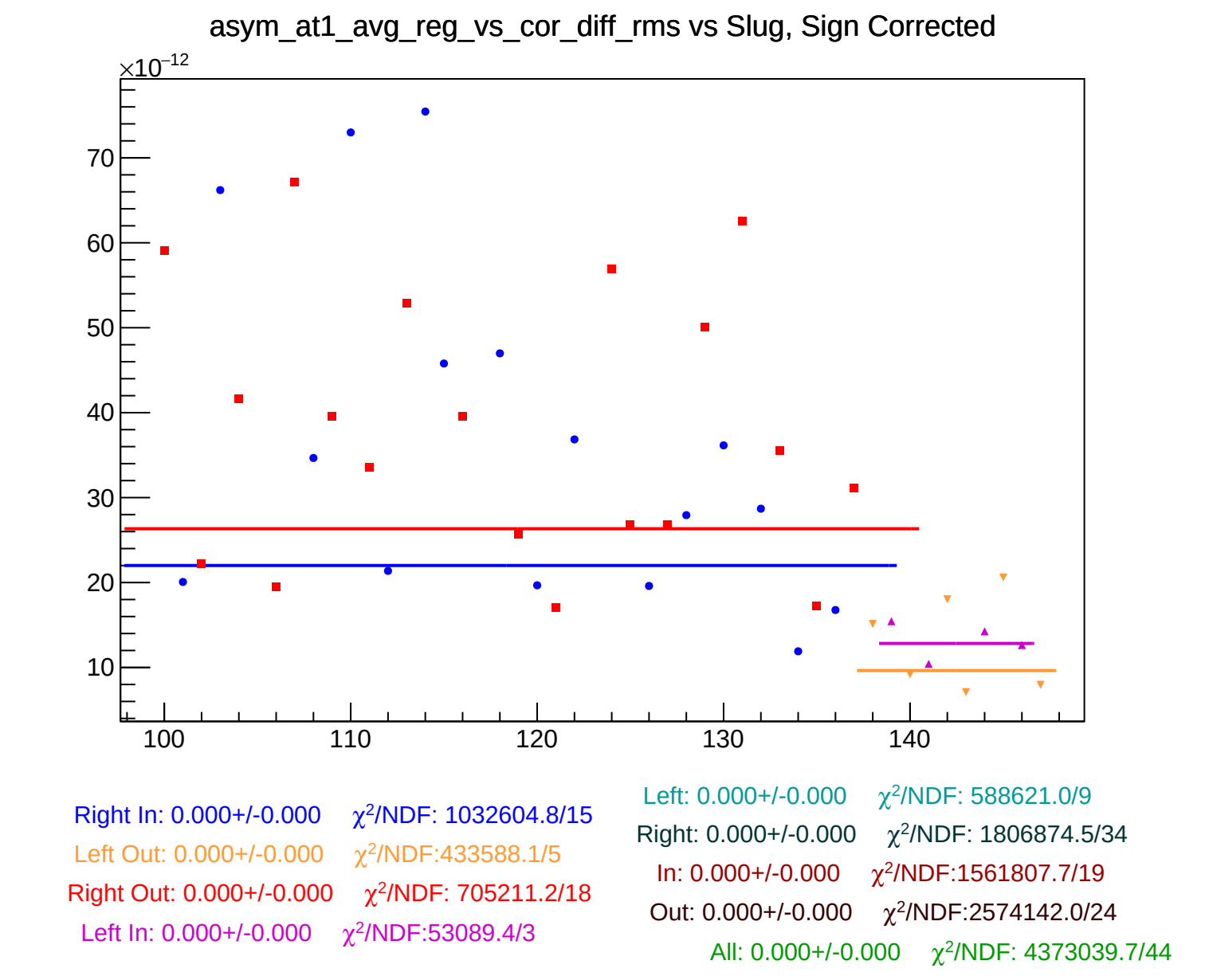
Left: -0.000+/-0.000 χ^2/NDF: 15.7/9

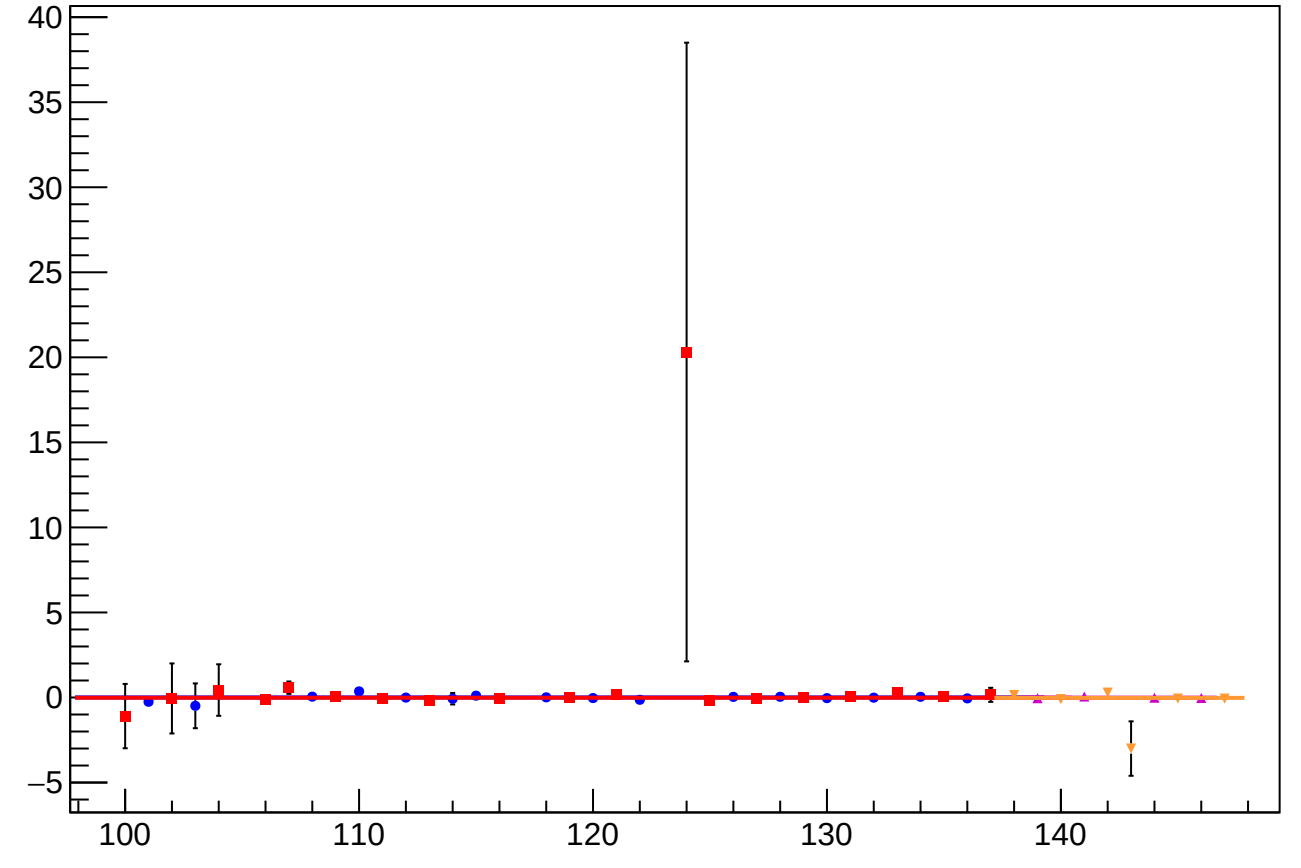
Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:26.4/19

Out: -0.000+/-0.000 χ^2/NDF:23.2/24

All: -0.000+/-0.000 χ^2/NDF: 50.1/44


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:433588.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:53089.4/3
Left: 0.000+/-0.000 χ²/NDF: 588621.0/9
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:1561807.7/19
Out: 0.000+/-0.000 χ²/NDF:2574142.0/24
All: 0.000+/-0.000 χ²/NDF: 4373039.7/44



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.010+/-0.036 χ^2/NDF:1.1/3

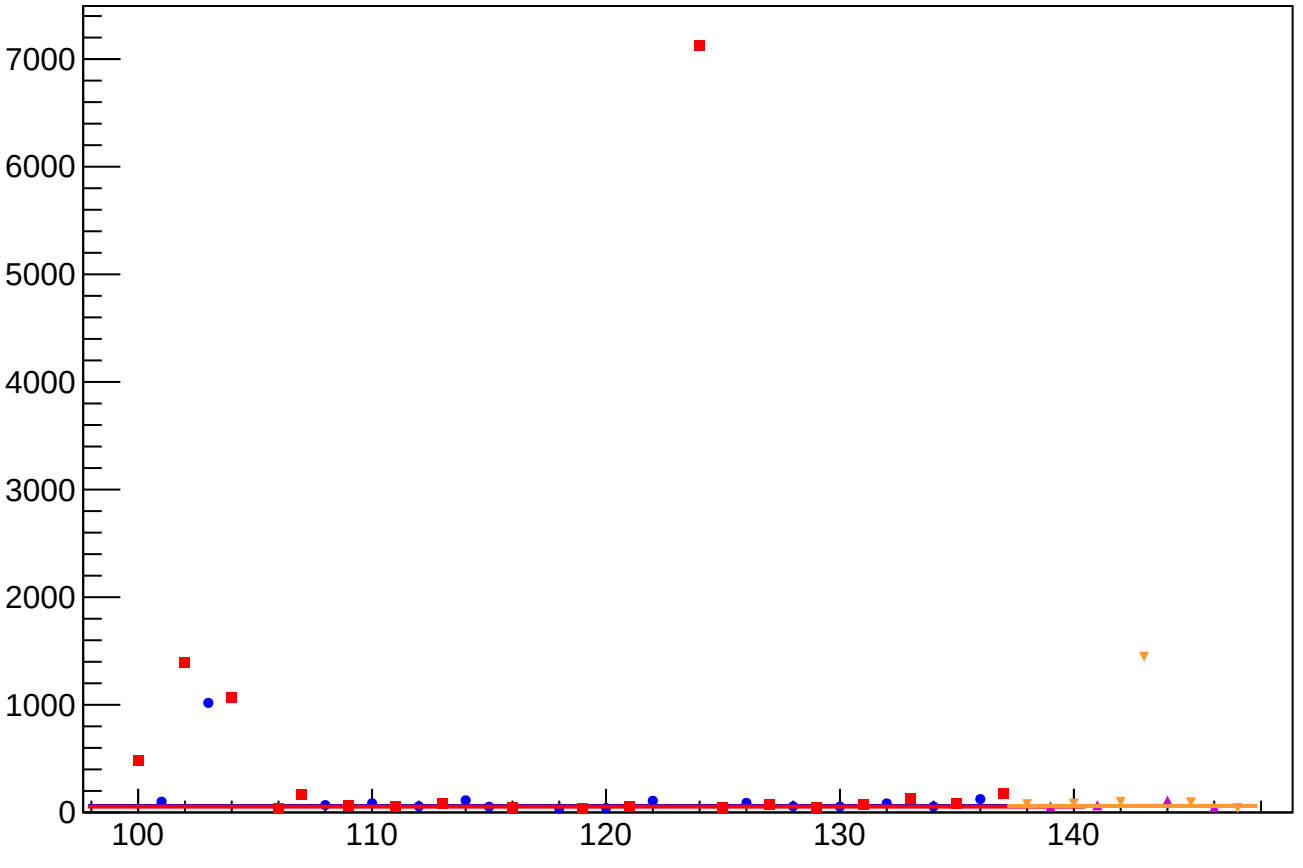
Left: -0.016+/-0.025 χ^2/NDF: 13.3/9

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.021 χ^2/NDF:12.6/19

Out: -0.016+/-0.021 χ^2/NDF:29.8/24

All: -0.009+/-0.015 χ^2/NDF: 42.7/44



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 60.125+/-0.025 χ^2/NDF:2309816.3/5

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 60.689+/-0.026 χ^2/NDF:453971.7/3

Left: 60.403+/-0.018 χ^2/NDF: 2764035.6/9

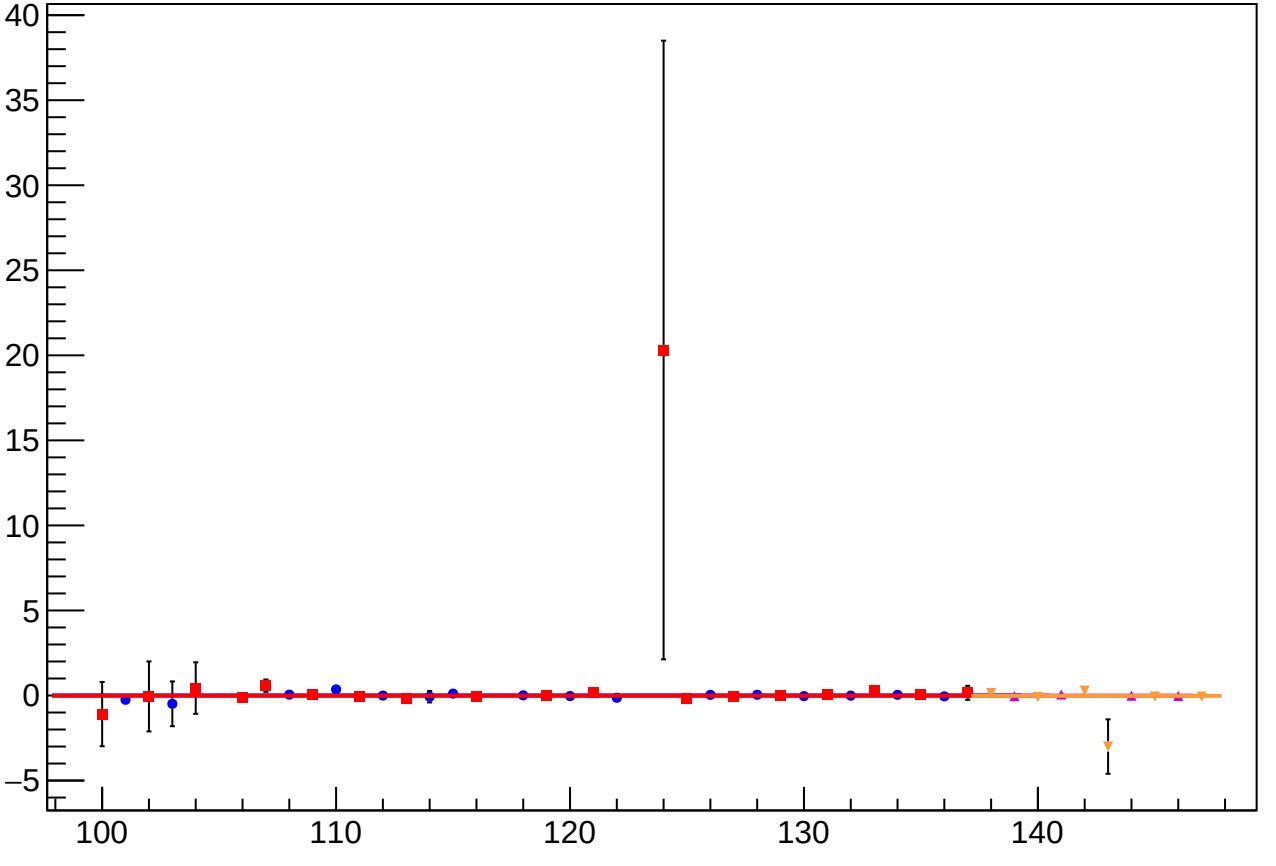
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 60.140+/-0.015 χ^2/NDF:2993553.9/19

Out: 56.279+/-0.015 χ^2/NDF:5867211.1/24

All: 58.154+/-0.011 χ^2/NDF: 8893987.6/44

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: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.010+/-0.036 χ^2/NDF:1.1/3

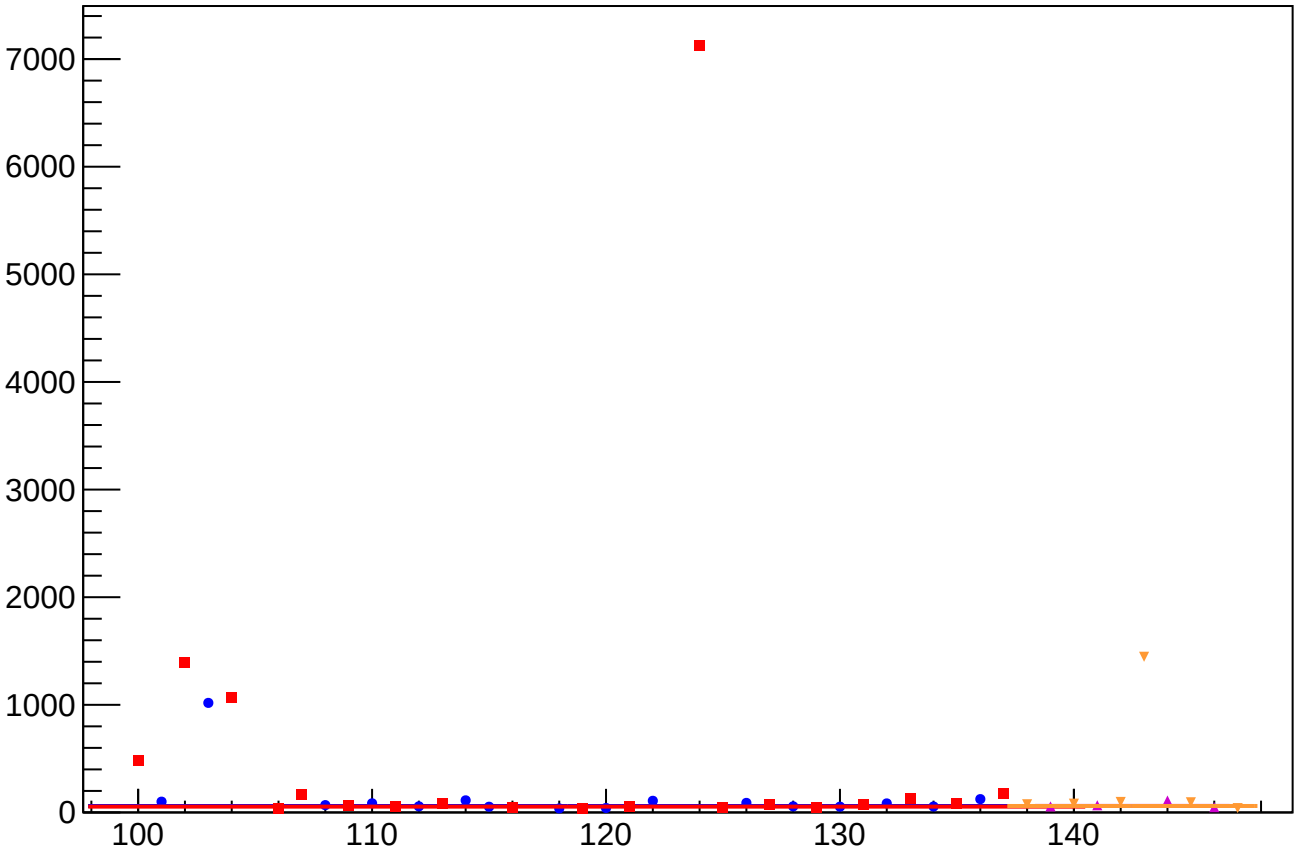
Left: -0.016+/-0.025 χ^2/NDF: 13.3/9

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.021 χ^2/NDF:12.6/19

Out: -0.016+/-0.021 χ^2/NDF:29.8/24

All: -0.009+/-0.015 χ^2/NDF: 42.7/44



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 60.125+/-0.025 χ^2/NDF:2309816.3/5

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 60.689+/-0.026 χ^2/NDF:453971.7/3

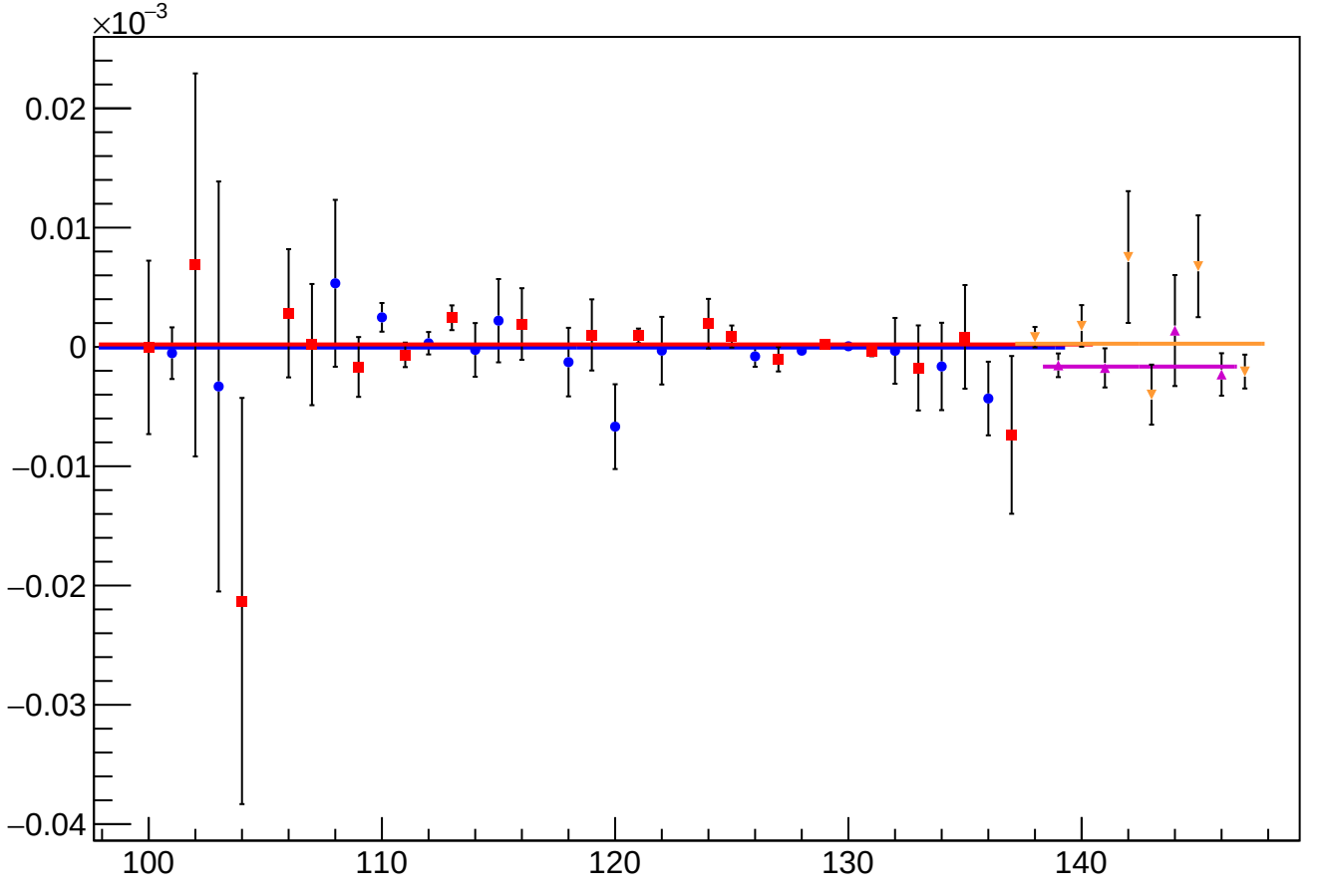
Left: 60.403+/-0.018 χ^2/NDF: 2764035.6/9

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 60.140+/-0.015 χ^2/NDF:2993553.9/19

Out: 56.279+/-0.015 χ^2/NDF:5867211.1/24

All: 58.154+/-0.011 χ^2/NDF: 8893987.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

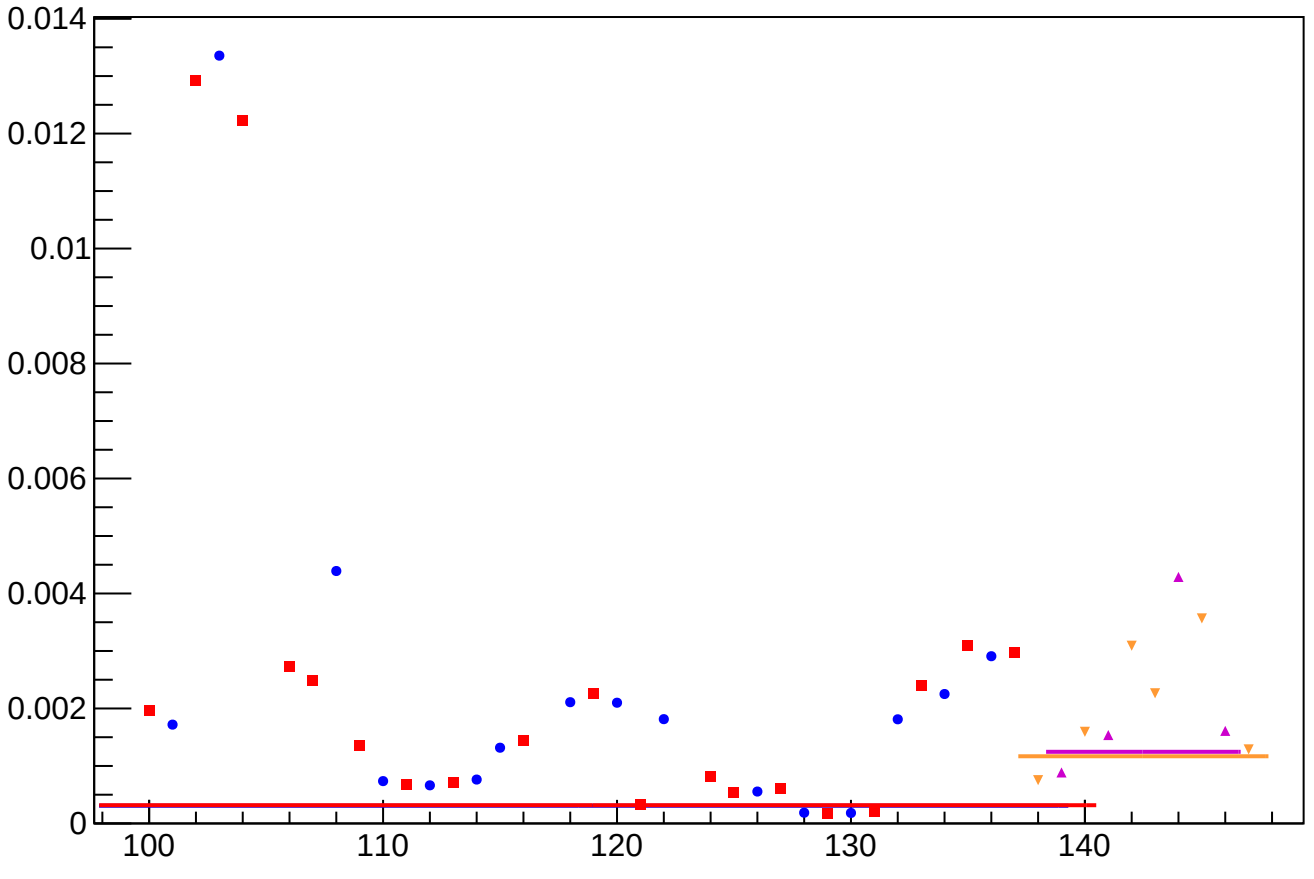
Left: -0.000+/-0.000 χ^2/NDF: 15.1/9

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:17.6/19

Out: 0.000+/-0.000 χ^2/NDF:26.4/24

All: 0.000+/-0.000 χ^2/NDF: 45.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1858036.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1264025.1/3

Left: 0.001+/-0.000 χ^2/NDF: 3134339.7/9

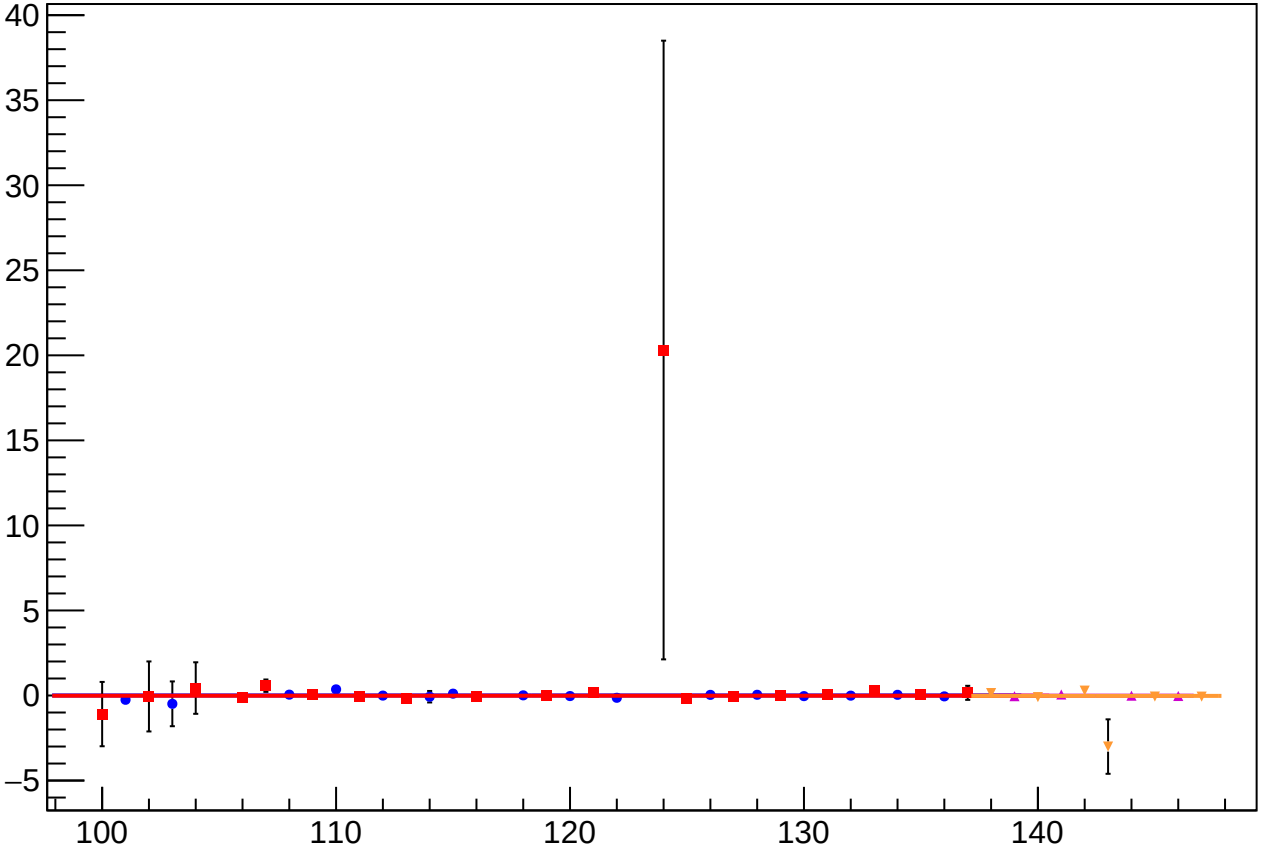
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:12907168.1/19

Out: 0.000+/-0.000 χ^2/NDF:13111241.7/24

All: 0.000+/-0.000 χ^2/NDF: 26032322.4/44

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: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.010+/-0.036 χ^2/NDF:1.1/3

Left: -0.016+/-0.025 χ^2/NDF: 13.3/9

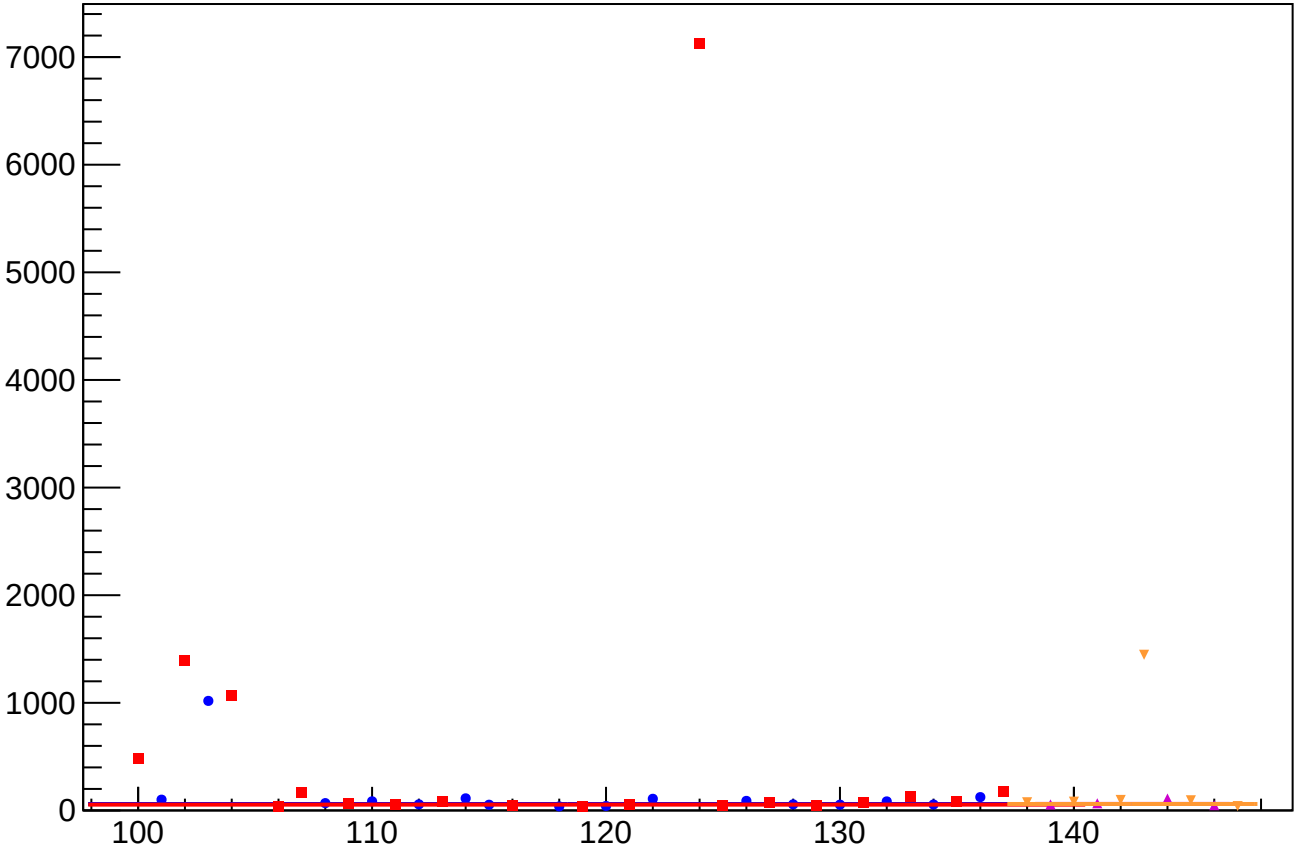
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.021 χ^2/NDF:12.6/19

Out: -0.016+/-0.021 χ^2/NDF:29.8/24

All: -0.009+/-0.015 χ^2/NDF: 42.7/44

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 60.125+/-0.025 χ^2/NDF:2309803.9/5

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 60.689+/-0.026 χ^2/NDF:453977.1/3

Left: 60.403+/-0.018 χ^2/NDF: 2764028.5/9

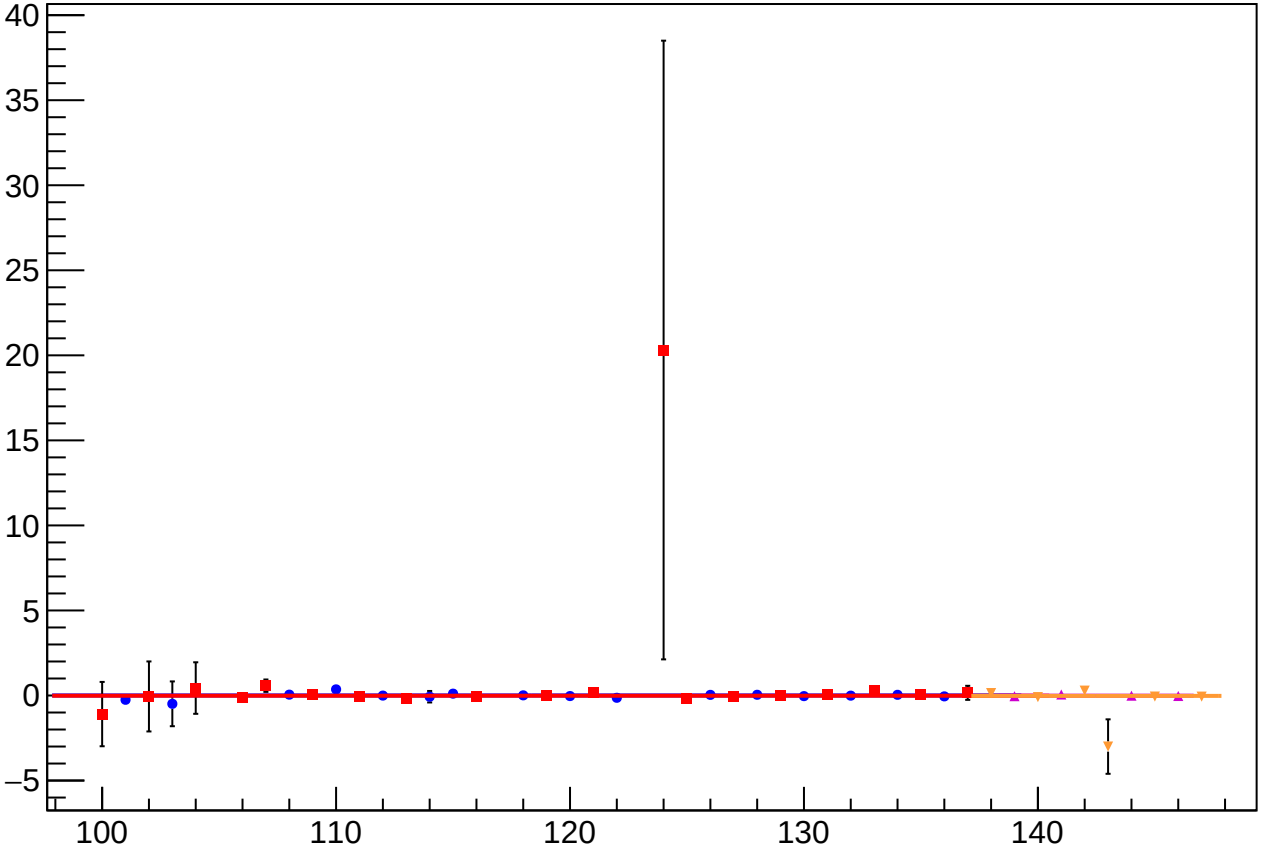
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 60.140+/-0.015 χ^2/NDF:2993573.3/19

Out: 56.278+/-0.015 χ^2/NDF:5867273.2/24

All: 58.154+/-0.011 χ^2/NDF: 8894078.1/44

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: -0.022+/-0.036 χ^2/NDF:12.2/5

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.010+/-0.036 χ^2/NDF:1.1/3

Left: -0.016+/-0.025 χ^2/NDF: 13.3/9

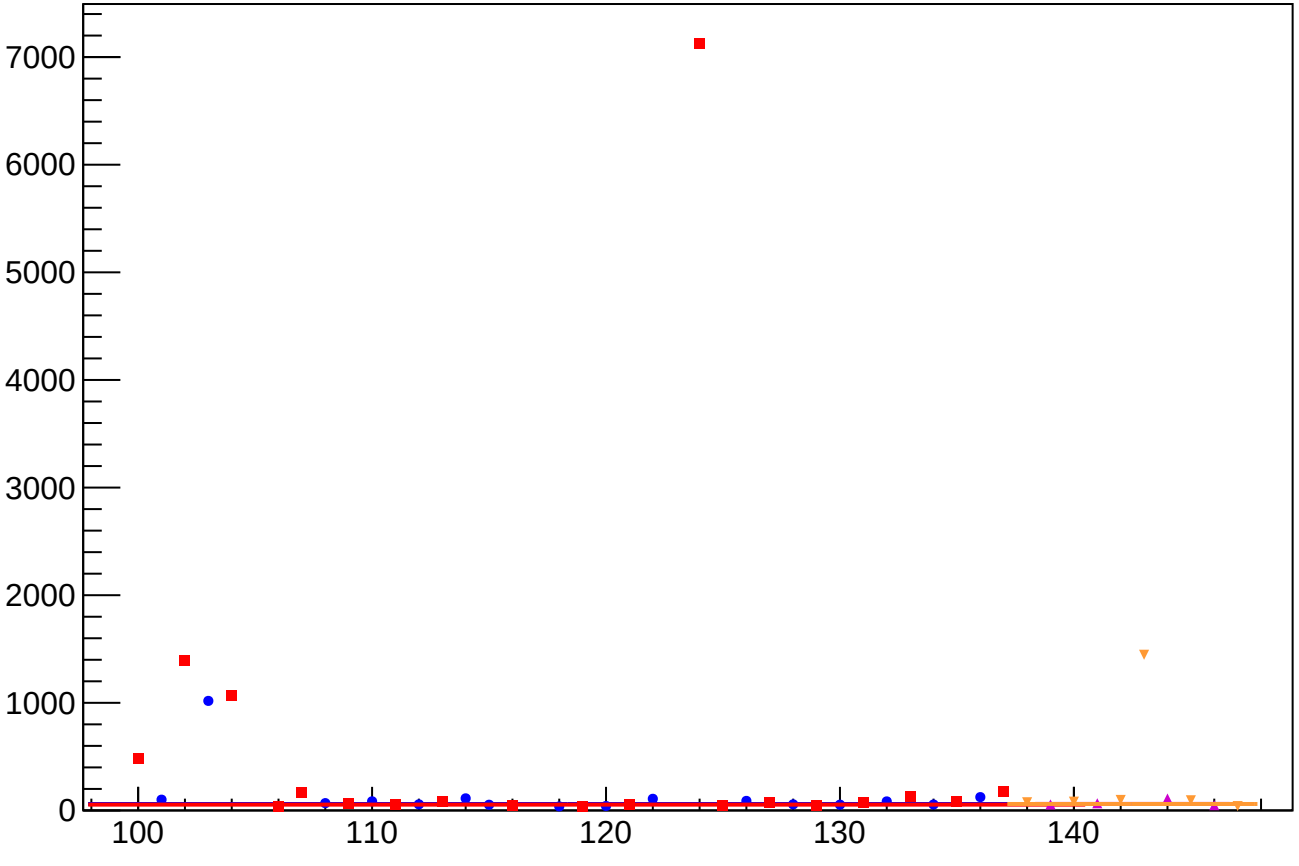
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.001+/-0.021 χ^2/NDF:12.6/19

Out: -0.016+/-0.021 χ^2/NDF:29.8/24

All: -0.009+/-0.015 χ^2/NDF: 42.7/44

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: 60.125+/-0.025 χ^2/NDF:2309803.9/5

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 60.689+/-0.026 χ^2/NDF:453977.1/3

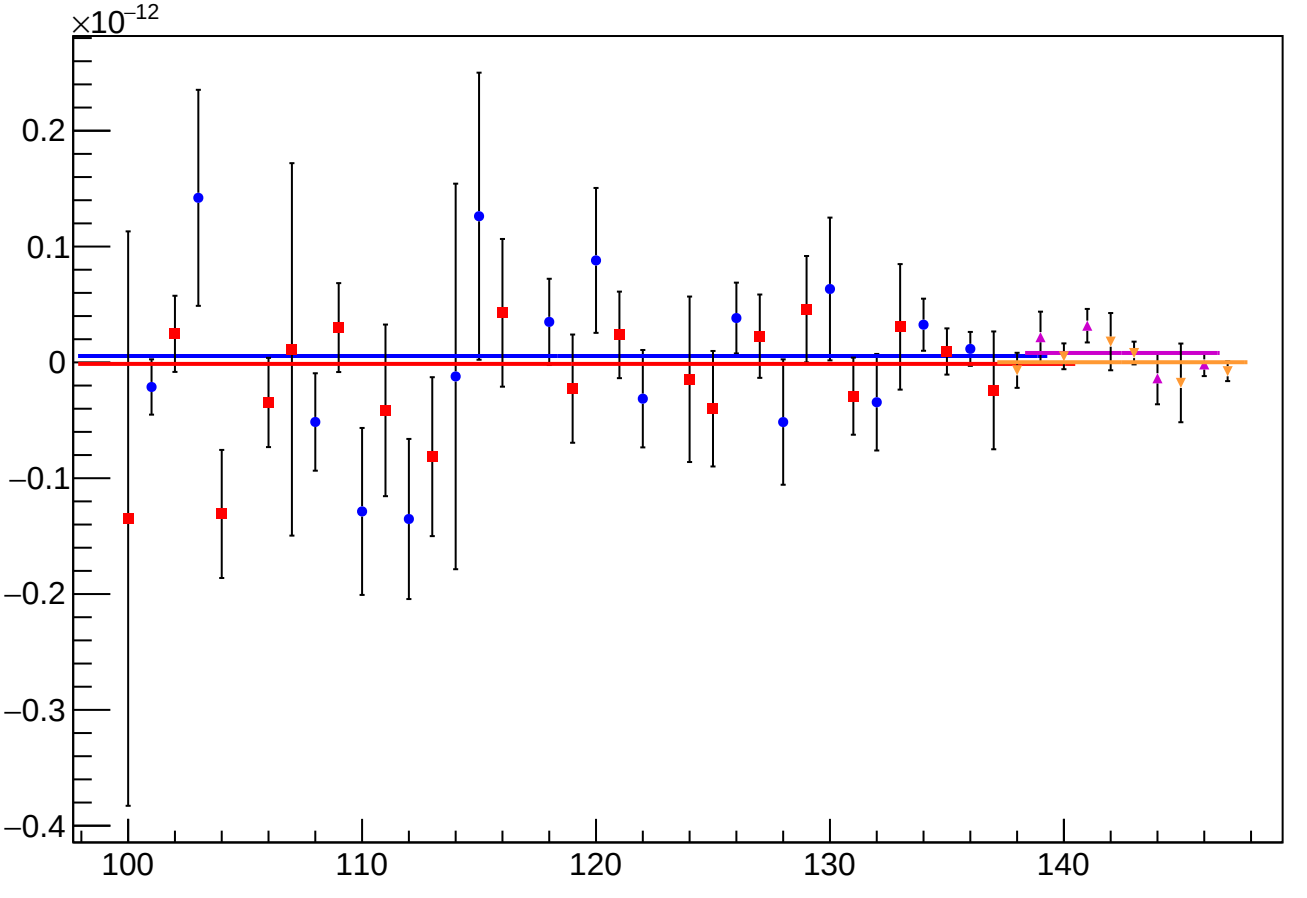
Left: 60.403+/-0.018 χ^2/NDF: 2764028.5/9

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 60.140+/-0.015 χ^2/NDF:2993573.3/19

Out: 56.278+/-0.015 χ^2/NDF:5867273.2/24

All: 58.154+/-0.011 χ^2/NDF: 8894078.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/3

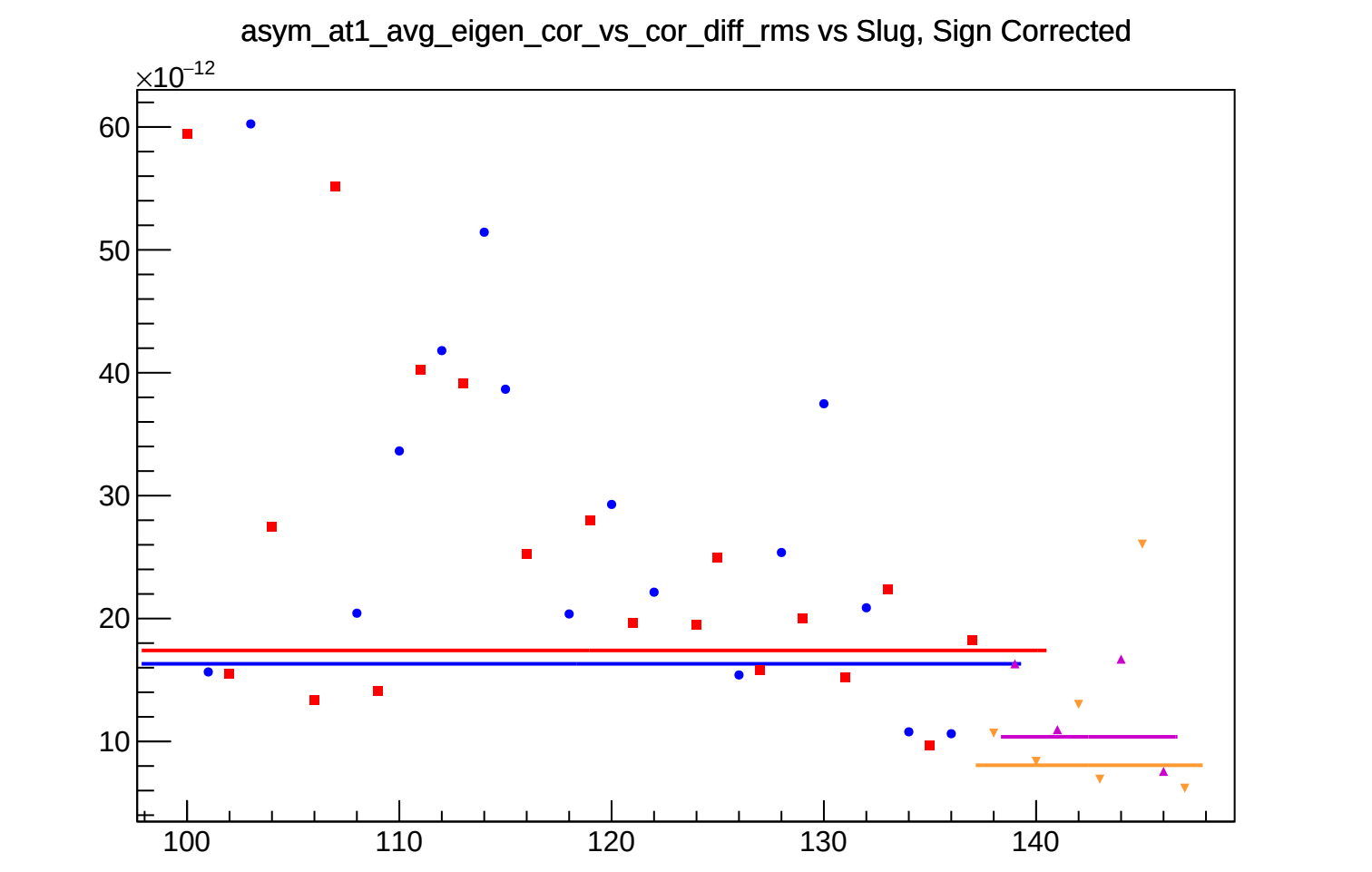
Left: 0.000+/-0.000 χ^2/NDF: 8.5/9

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:27.6/19

Out: -0.000+/-0.000 χ^2/NDF:17.0/24

All: 0.000+/-0.000 χ^2/NDF: 45.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:826146.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:463110.2/3

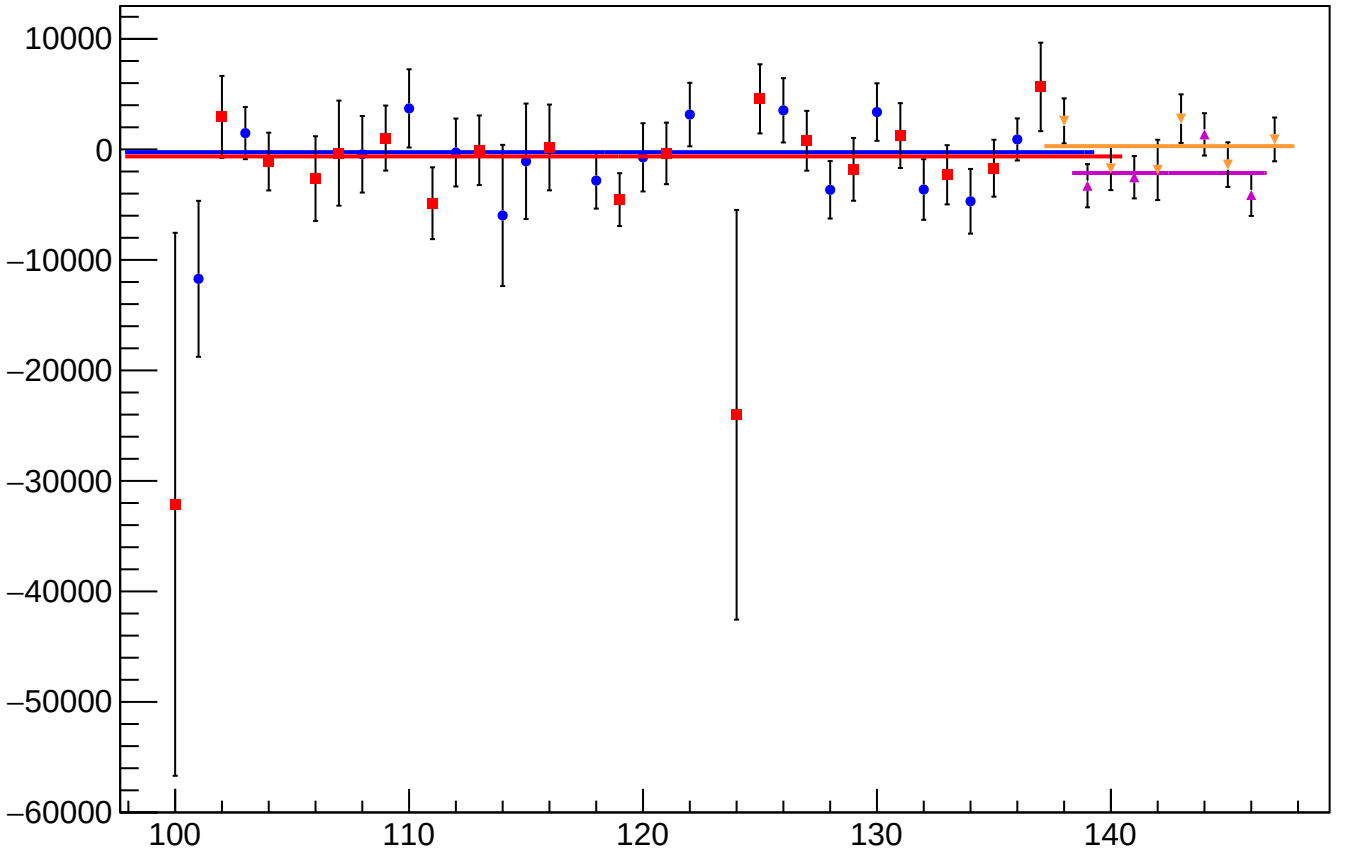
Left: 0.000+/-0.000 χ^2/NDF: 1424117.9/9

Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:2908165.4/19

Out: 0.000+/-0.000 χ^2/NDF:3463243.3/24

All: 0.000+/-0.000 χ^2/NDF: 6680168.4/44



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 293.716+/-863.413 χ^2/NDF:5.0/5

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -2135.952+/-961.204 χ^2/NDF:4.8/3

Left: -791.273+/-642.325 χ^2/NDF: 13.3/9

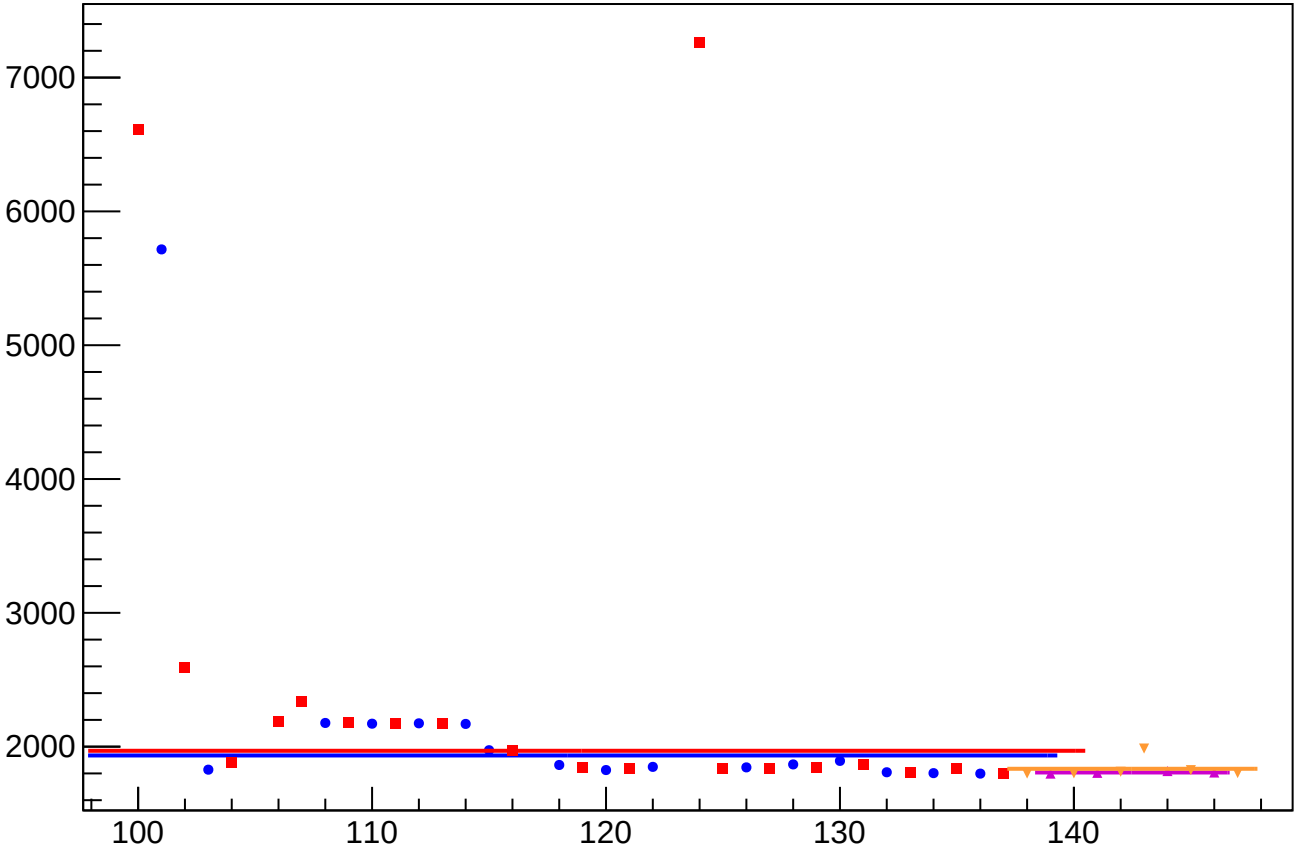
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -946.814+/-583.920 χ^2/NDF:24.5/19

Out: -245.108+/-559.884 χ^2/NDF:21.6/24

All: -581.222+/-404.128 χ^2/NDF: 46.8/44

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1834.732+/-0.611 χ^2/NDF:11394.1/5

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

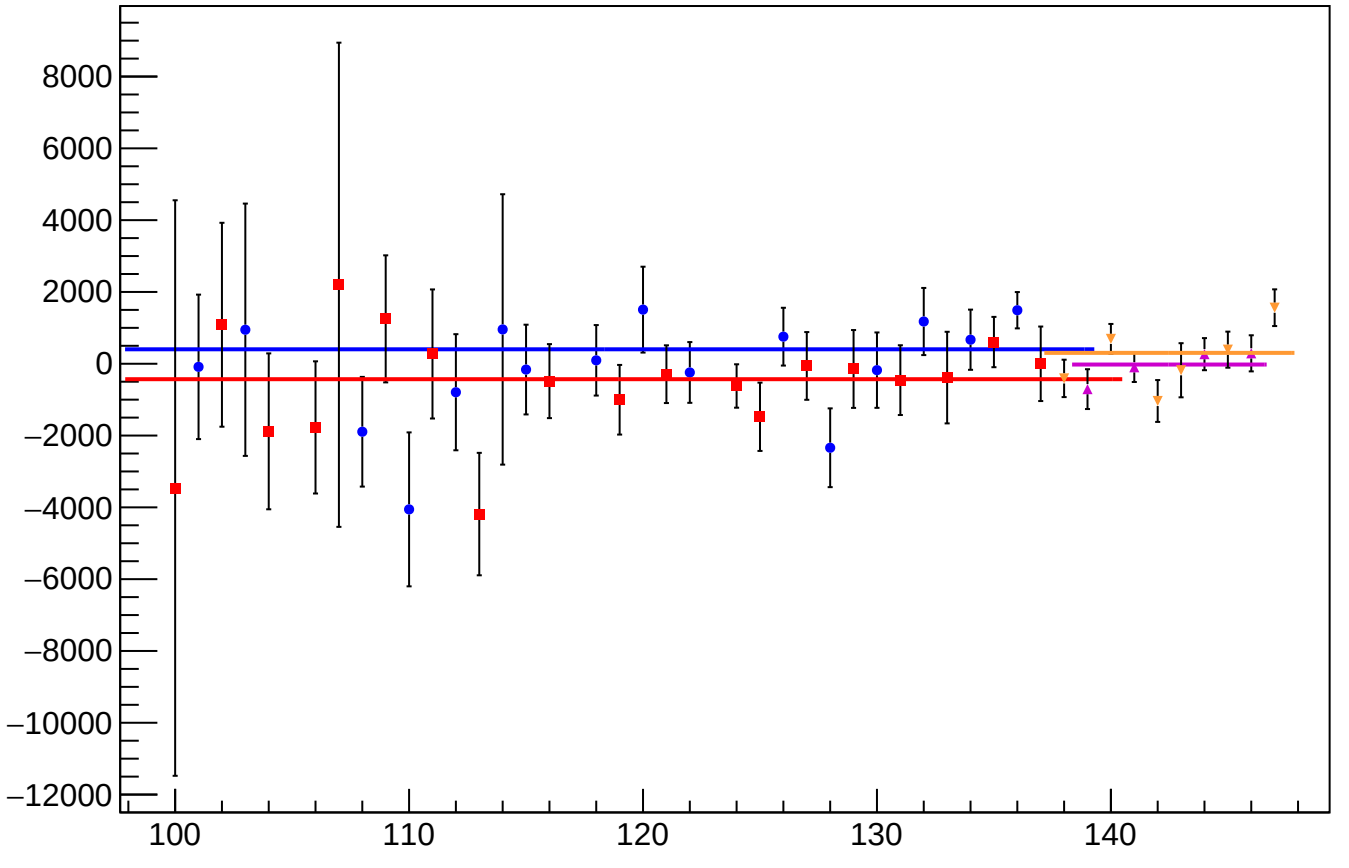
Left: 1822.367+/-0.454 χ^2/NDF: 12414.9/9

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1887.284+/-0.413 χ^2/NDF:662112.1/19

Out: 1912.659+/-0.396 χ^2/NDF:417886.6/24

All: 1900.505+/-0.286 χ^2/NDF: 1081966.5/44



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 303.120+/-213.391 χ^2/NDF:14.5/5

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -21.818+/-234.599 χ^2/NDF:2.4/3

Left: 155.999+/-157.857 χ^2/NDF: 17.9/9

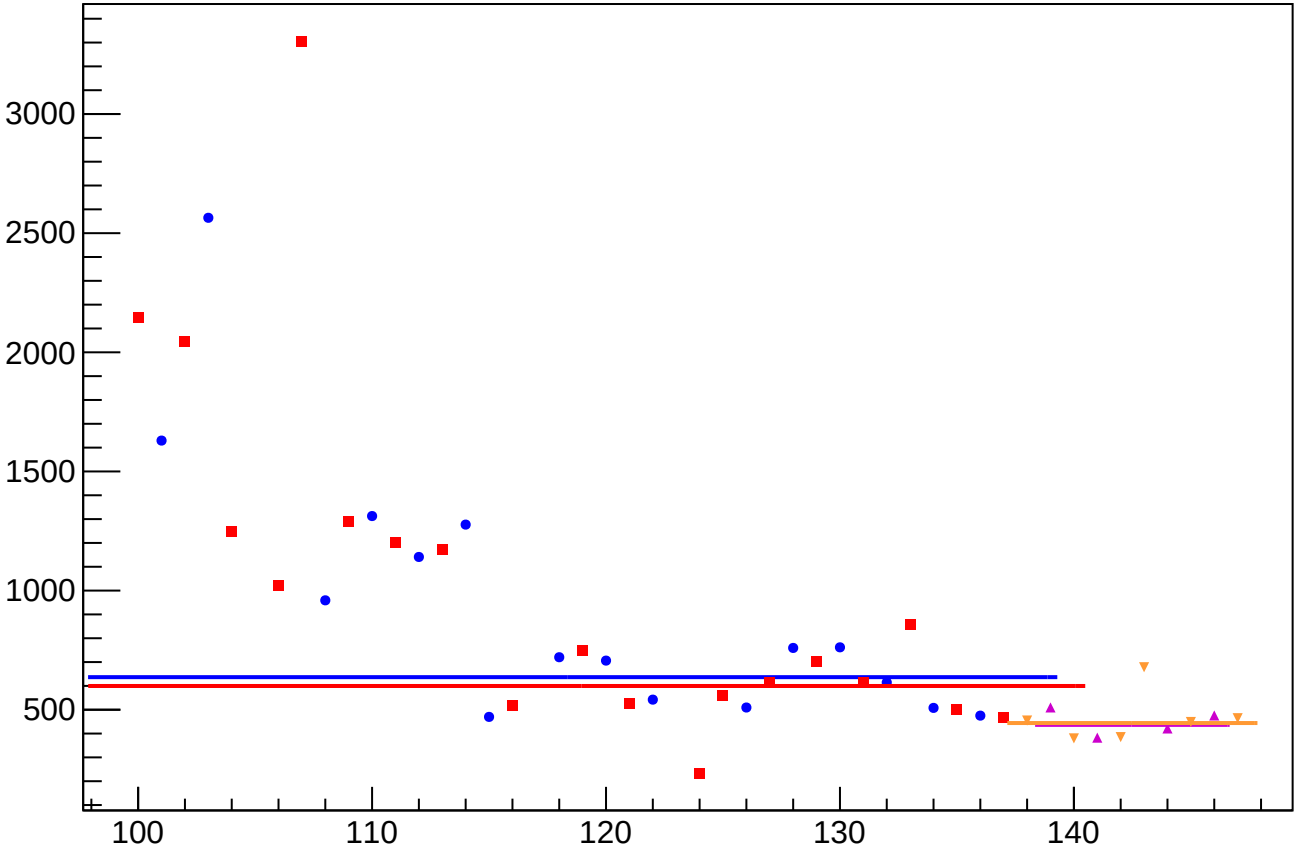
Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 169.819+/-173.746 χ^2/NDF:25.0/19

Out: -1.902+/-163.070 χ^2/NDF:31.2/24

All: 78.521+/-118.903 χ^2/NDF: 56.7/44

asym_at1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 444.124+/-0.151 χ^2/NDF:265522.5/5

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 436.407+/-0.166 χ^2/NDF:83698.8/3

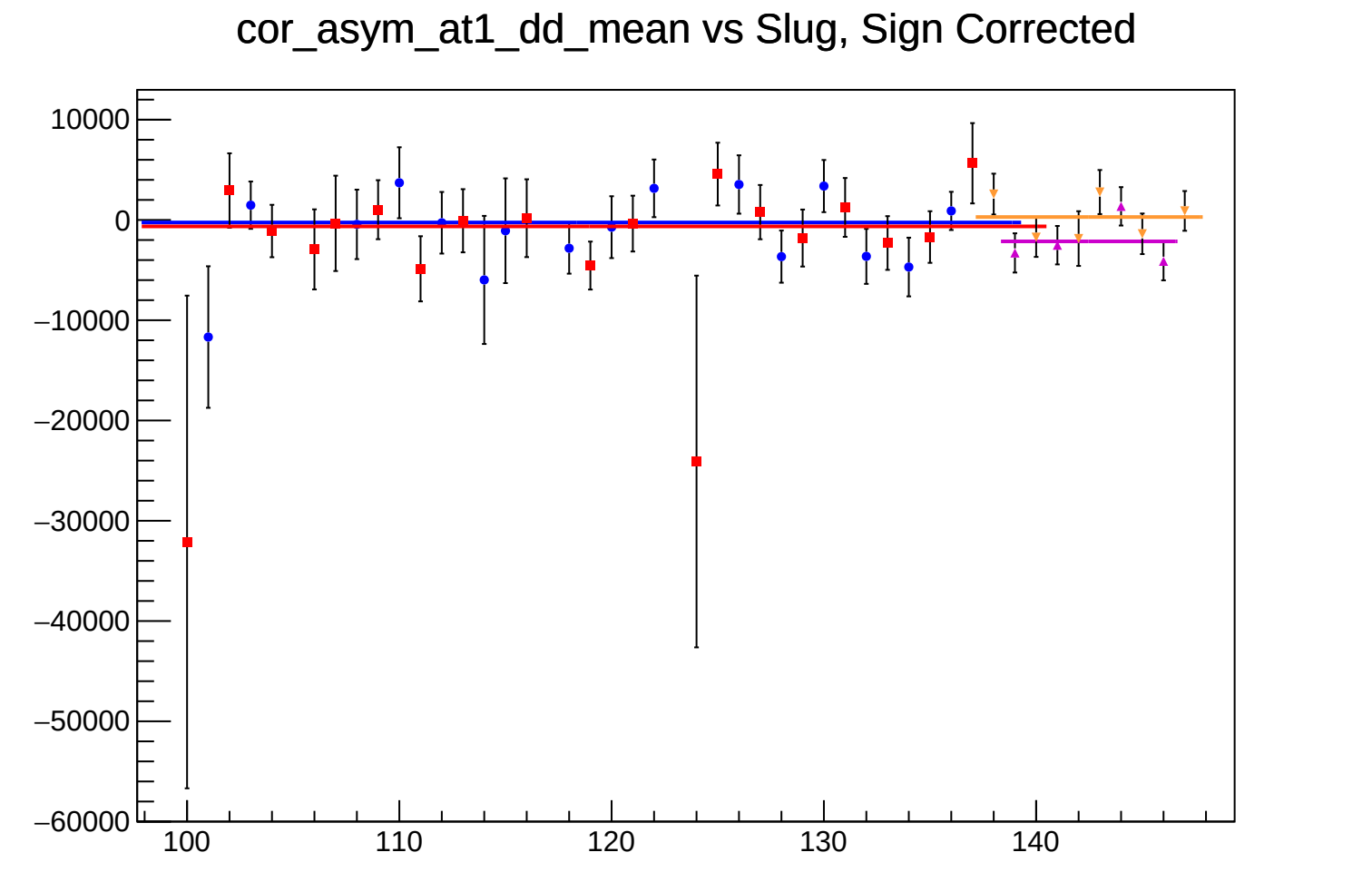
Left: 440.630+/-0.112 χ^2/NDF: 350405.6/9

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 526.839+/-0.123 χ^2/NDF:2808804.0/19

Out: 508.818+/-0.115 χ^2/NDF:3651490.5/24

All: 517.258+/-0.084 χ^2/NDF: 6471733.6/44



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 293.597+/-863.413 χ^2/NDF:5.0/5

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -2136.010+/-961.204 χ^2/NDF:4.8/3

Left: -791.365+/-642.325 χ^2/NDF: 13.3/9

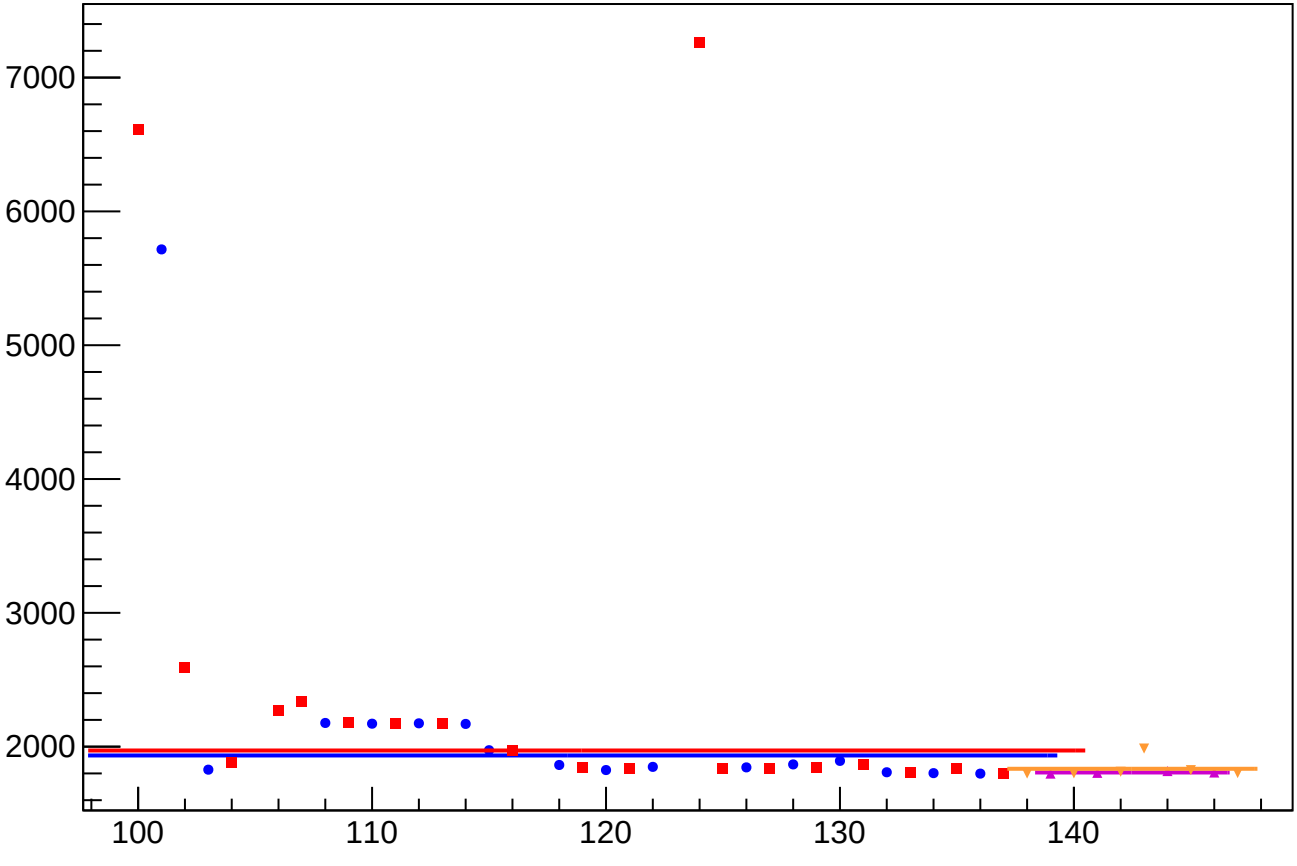
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -946.325+/-583.920 χ^2/NDF:24.5/19

Out: -247.267+/-560.357 χ^2/NDF:21.6/24

All: -582.406+/-404.306 χ^2/NDF: 46.9/44

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1834.732+/-0.611 χ^2/NDF:11394.1/5

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

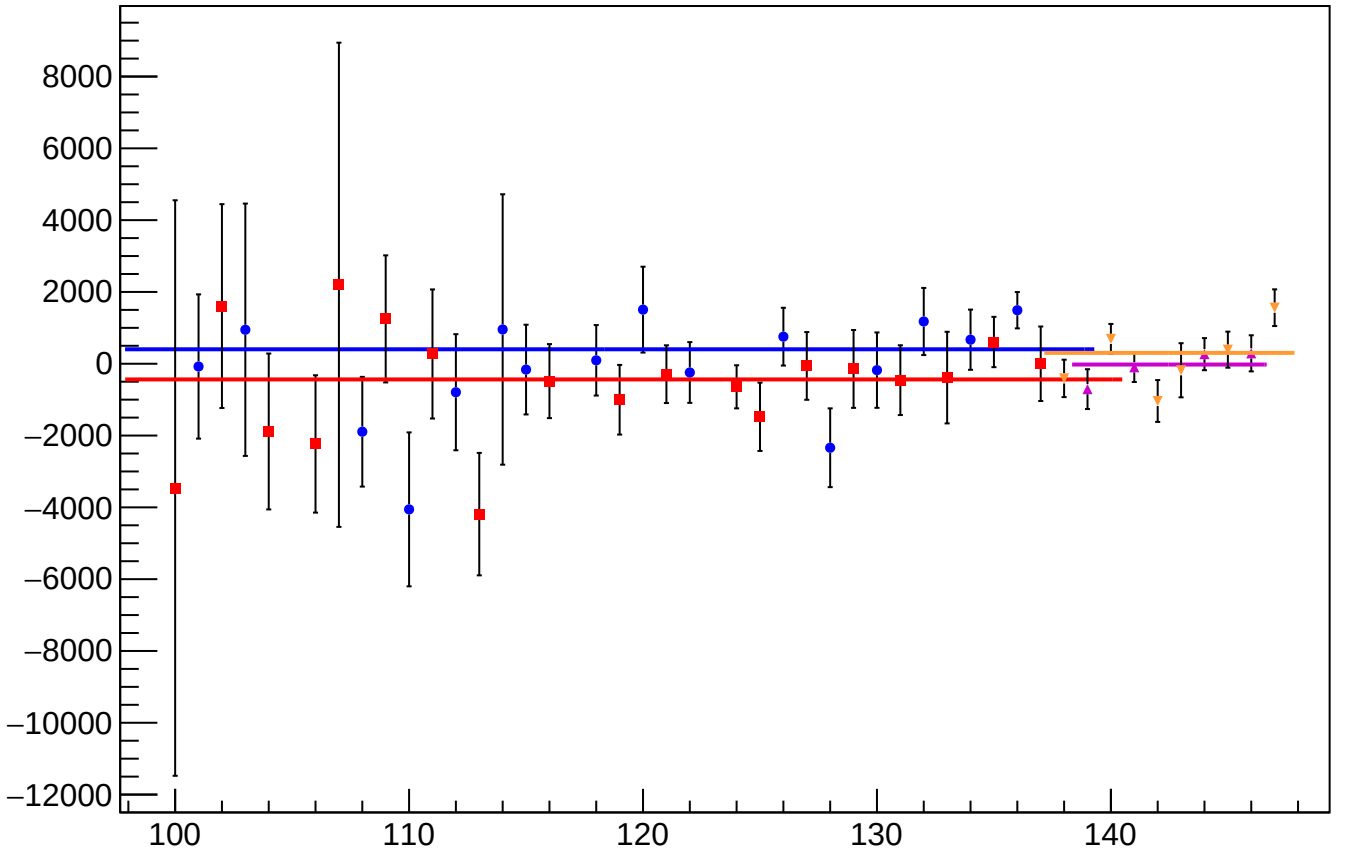
Left: 1822.367+/-0.454 χ^2/NDF: 12414.9/9

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1887.284+/-0.413 χ^2/NDF:662112.0/19

Out: 1913.810+/-0.396 χ^2/NDF:423556.1/24

All: 1901.093+/-0.286 χ^2/NDF: 1087816.7/44



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 303.014+/-213.395 χ^2/NDF:14.5/5

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -21.924+/-234.594 χ^2/NDF:2.4/3

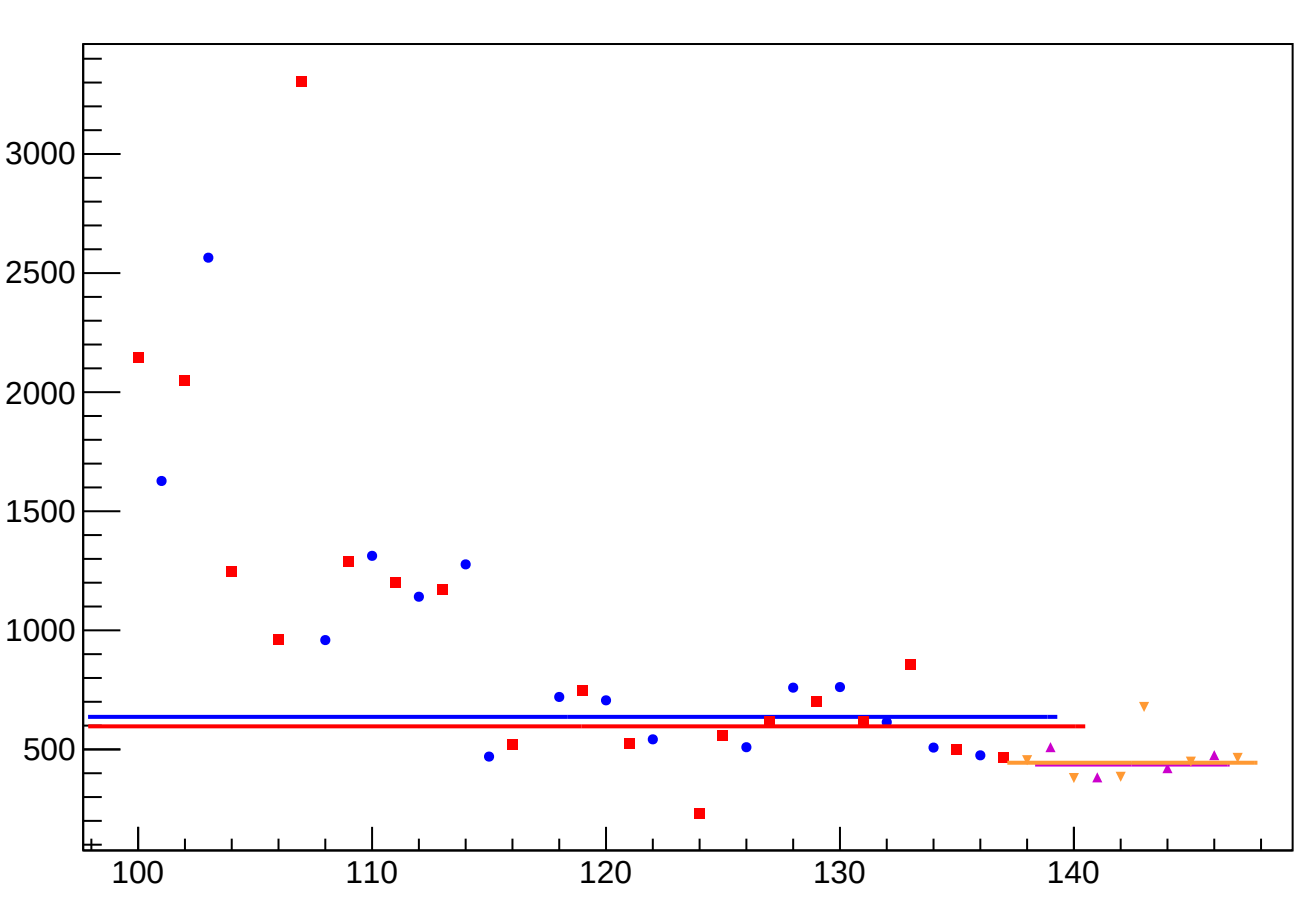
Left: 155.887+/-157.857 χ^2/NDF: 17.9/9

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 169.799+/-173.741 χ^2/NDF:25.0/19

Out: -4.940+/-163.031 χ^2/NDF:31.9/24

All: 76.879+/-118.886 χ^2/NDF: 57.4/44



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 444.132+/-0.151 χ^2/NDF:265481.2/5

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 436.398+/-0.166 χ^2/NDF:83697.7/3

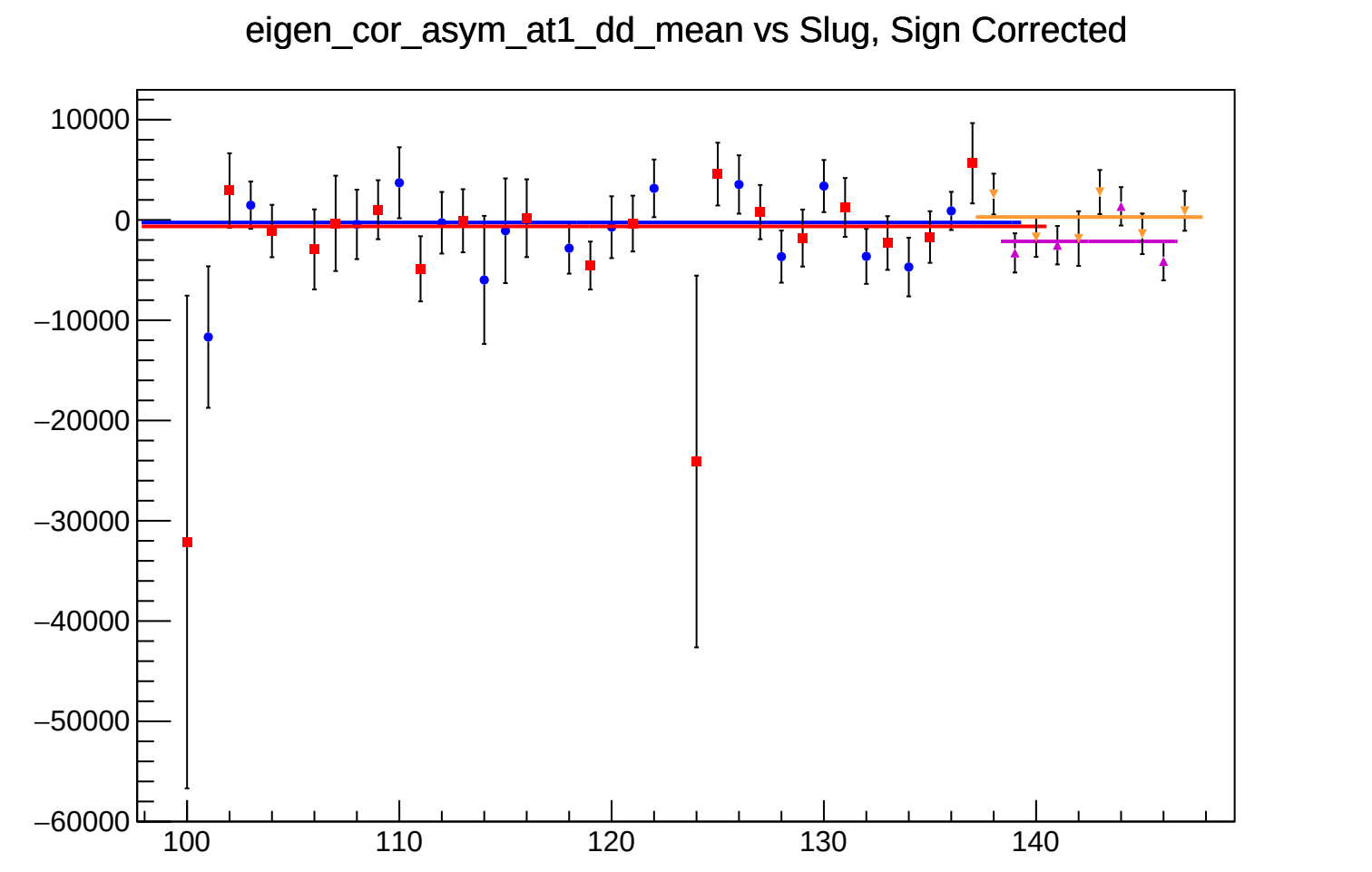
Left: 440.630+/-0.112 χ^2/NDF: 350368.3/9

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 526.836+/-0.123 χ^2/NDF:2808020.6/19

Out: 507.716+/-0.115 χ^2/NDF:3622443.2/24

All: 516.669+/-0.084 χ^2/NDF: 6443343.2/44



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 293.597+/-863.413 χ^2/NDF:5.0/5

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -2136.010+/-961.204 χ^2/NDF:4.8/3

Left: -791.365+/-642.325 χ^2/NDF: 13.3/9

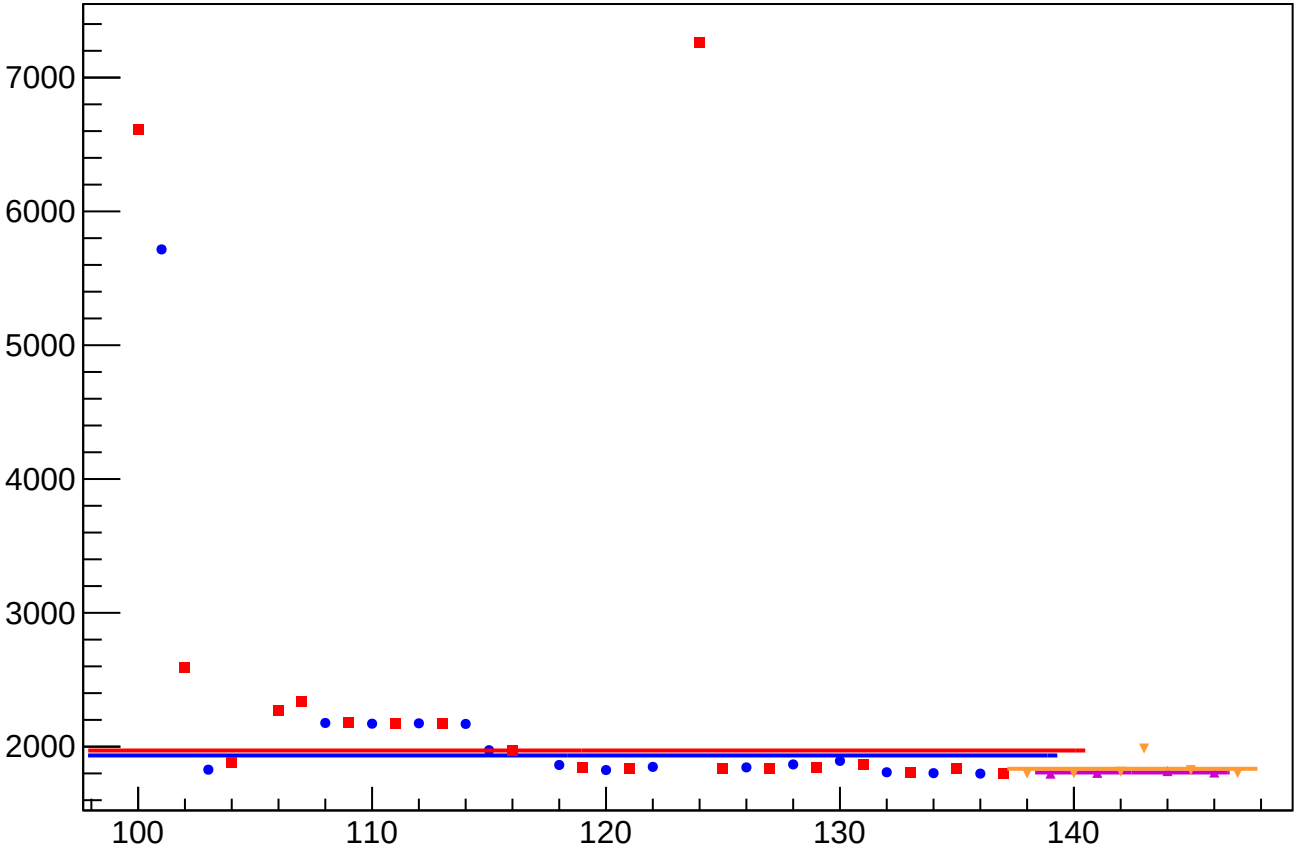
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -946.325+/-583.920 χ^2/NDF:24.5/19

Out: -247.267+/-560.357 χ^2/NDF:21.6/24

All: -582.406+/-404.306 χ^2/NDF: 46.9/44

eigen_cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1834.732+/-0.611 χ^2/NDF:11394.1/5

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1807.043+/-0.680 χ^2/NDF:102.3/3

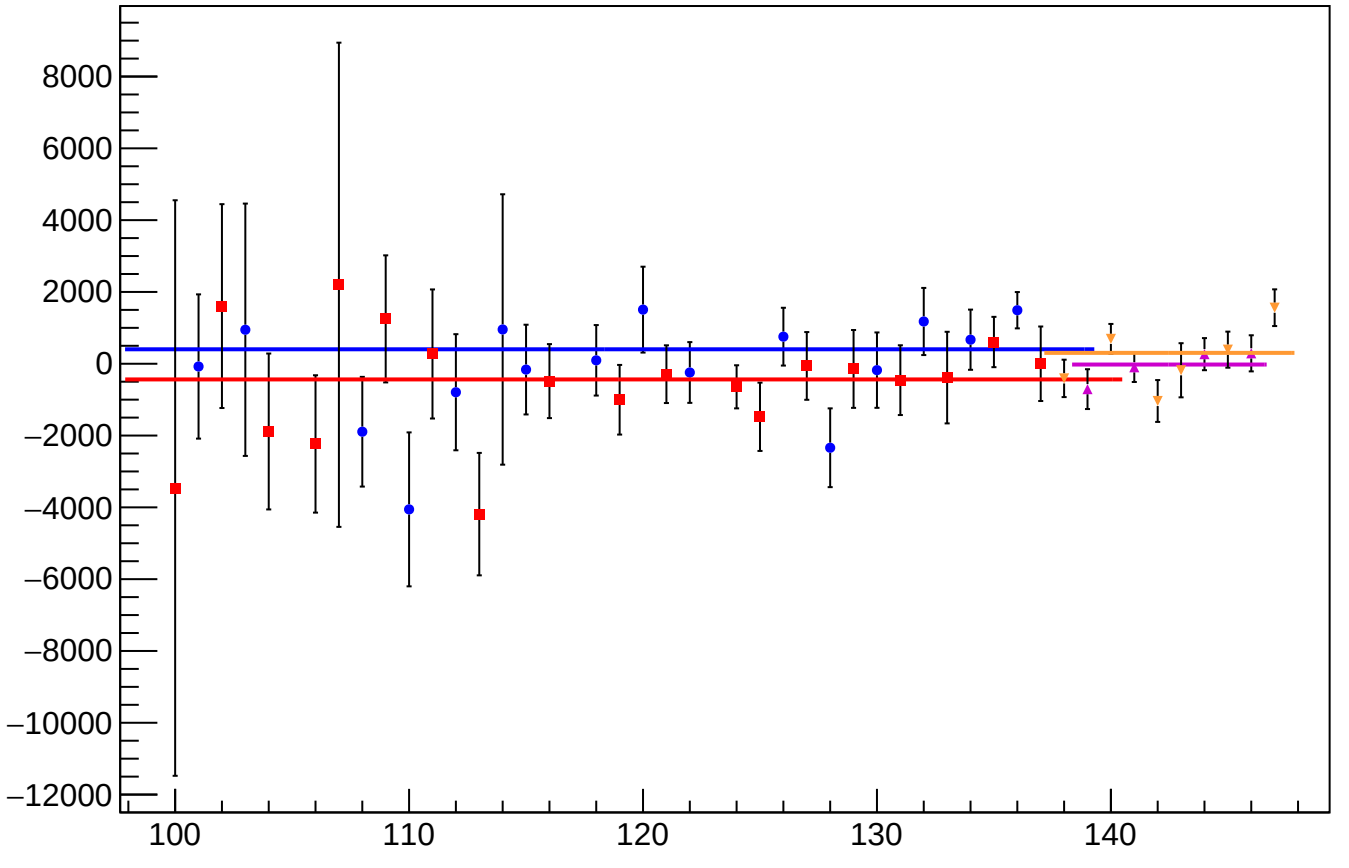
Left: 1822.367+/-0.454 χ^2/NDF: 12414.9/9

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1887.284+/-0.413 χ^2/NDF:662112.0/19

Out: 1913.810+/-0.396 χ^2/NDF:423556.1/24

All: 1901.093+/-0.286 χ^2/NDF: 1087816.7/44



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 303.014+/-213.395 χ^2/NDF:14.5/5

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -21.924+/-234.594 χ^2/NDF:2.4/3

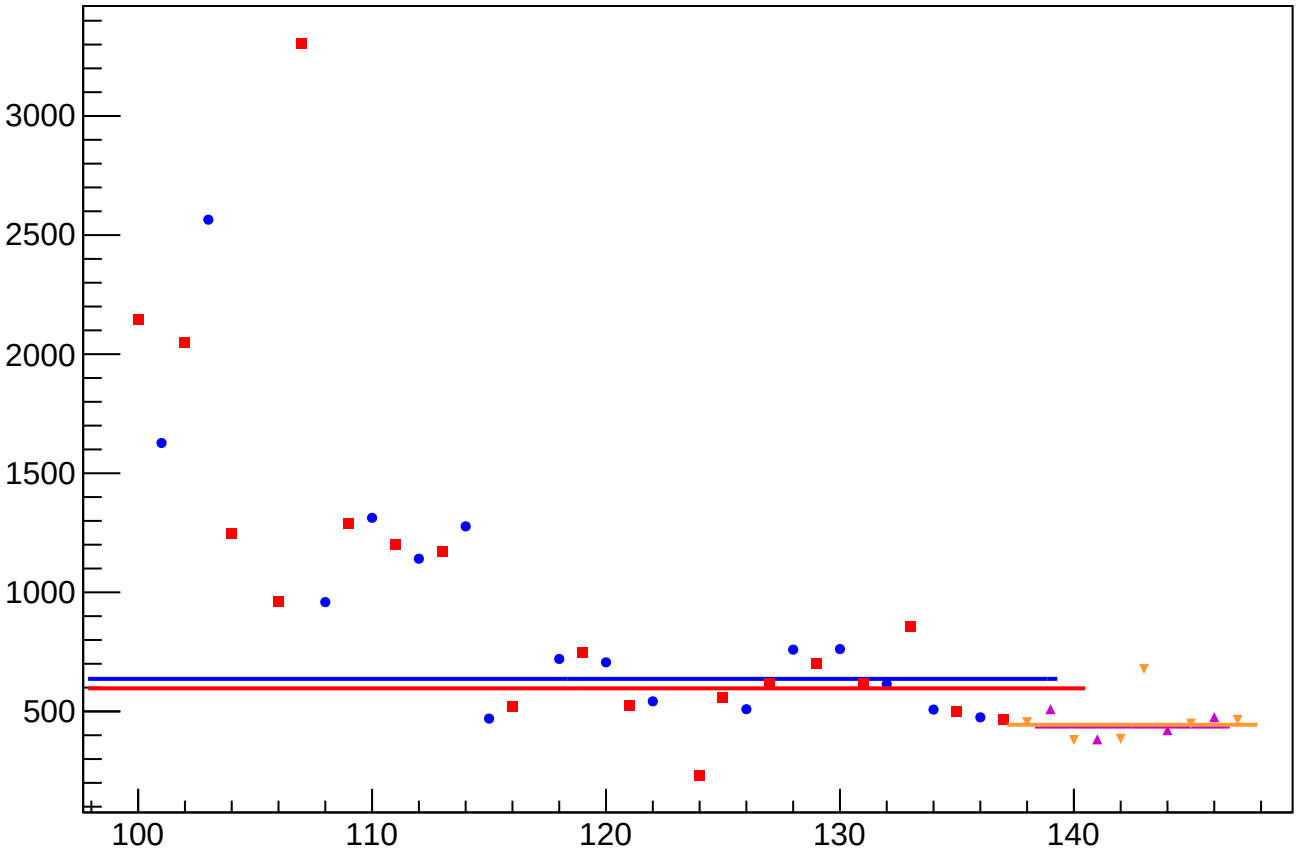
Left: 155.887+/-157.857 χ^2/NDF: 17.9/9

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 169.799+/-173.741 χ^2/NDF:25.0/19

Out: -4.940+/-163.031 χ^2/NDF:31.9/24

All: 76.879+/-118.886 χ^2/NDF: 57.4/44



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 444.132+/-0.151 χ^2/NDF:265481.2/5

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 436.398+/-0.166 χ^2/NDF:83697.7/3

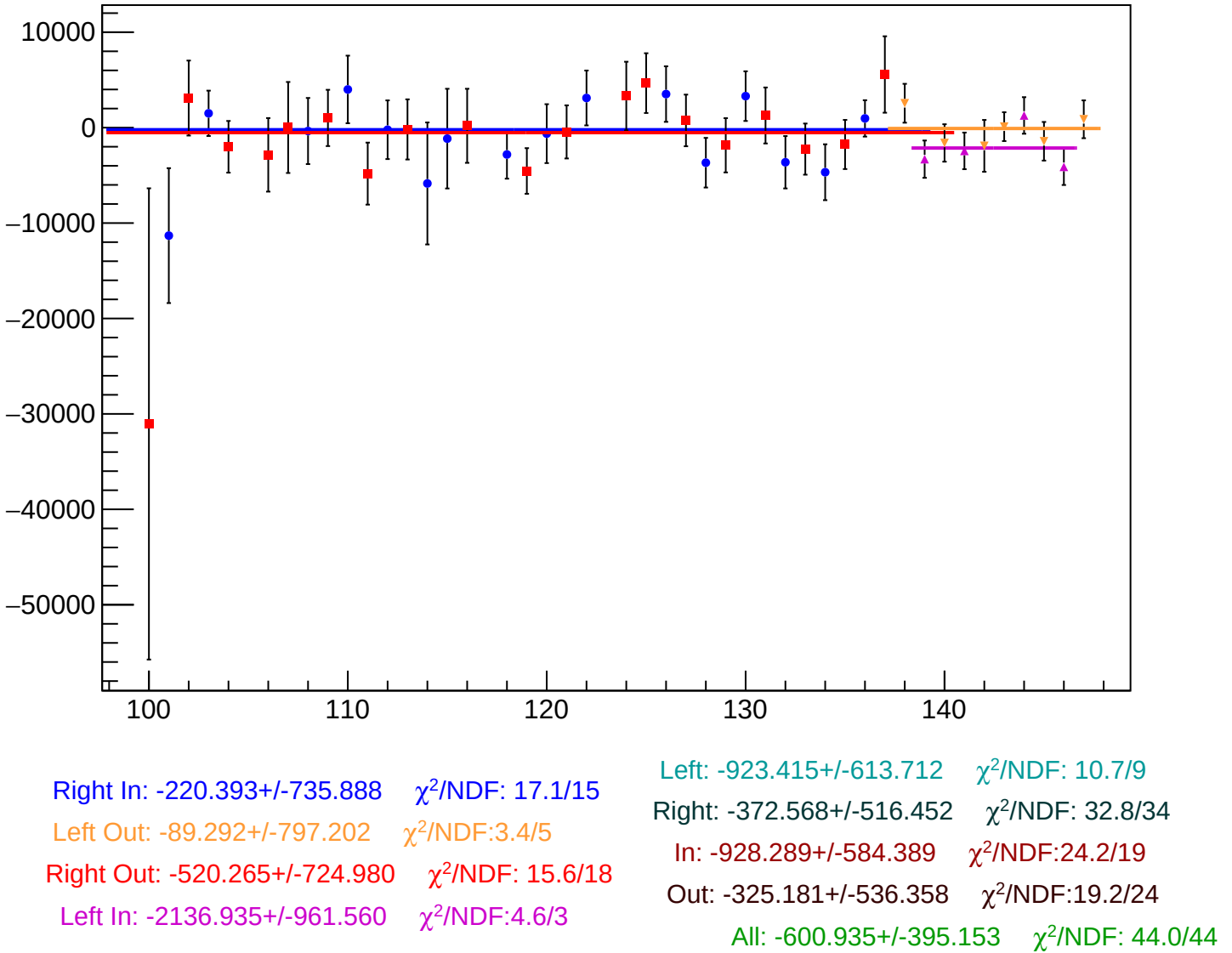
Left: 440.630+/-0.112 χ^2/NDF: 350368.3/9

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

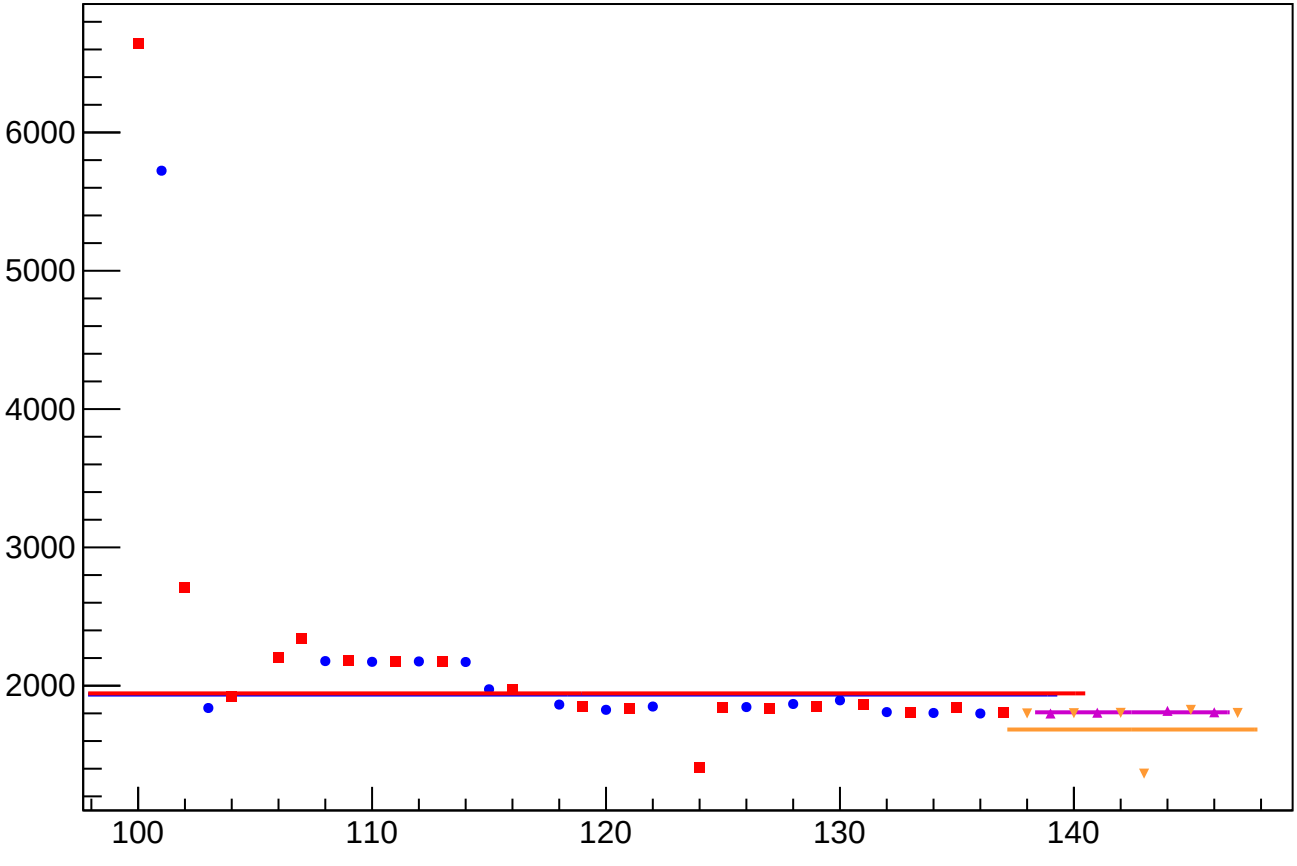
In: 526.836+/-0.123 χ^2/NDF:2808020.6/19

Out: 507.716+/-0.115 χ^2/NDF:3622443.2/24

All: 516.669+/-0.084 χ^2/NDF: 6443343.2/44


dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -89.292+/-797.202 χ²/NDF:3.4/5
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -2136.935+/-961.560 χ²/NDF:4.6/3
Left: -923.415+/-613.712 χ²/NDF: 10.7/9
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -928.289+/-584.389 χ²/NDF:24.2/19
Out: -325.181+/-536.358 χ²/NDF:19.2/24
All: -600.935+/-395.153 χ²/NDF: 44.0/44

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1683.332+/-0.564 χ^2/NDF:124062.5/5

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1807.714+/-0.680 χ^2/NDF:102.4/3

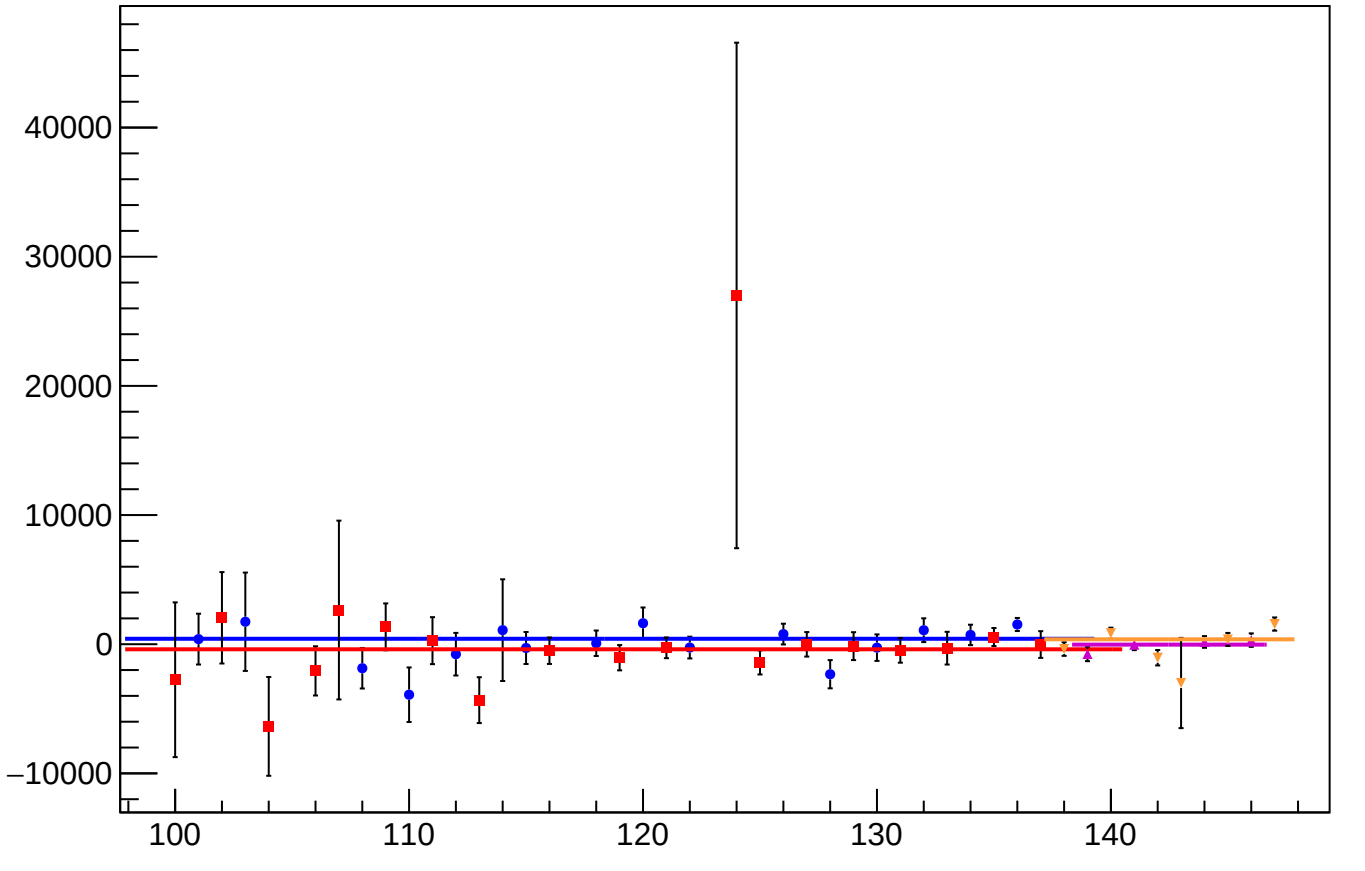
Left: 1734.000+/-0.434 χ^2/NDF: 143997.8/9

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1888.600+/-0.413 χ^2/NDF:662351.5/19

Out: 1826.277+/-0.379 χ^2/NDF:517768.9/24

All: 1854.772+/-0.279 χ^2/NDF: 1192466.9/44



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 379.452+/-225.134 χ^2/NDF:15.2/5

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -32.300+/-240.144 χ^2/NDF:2.3/3

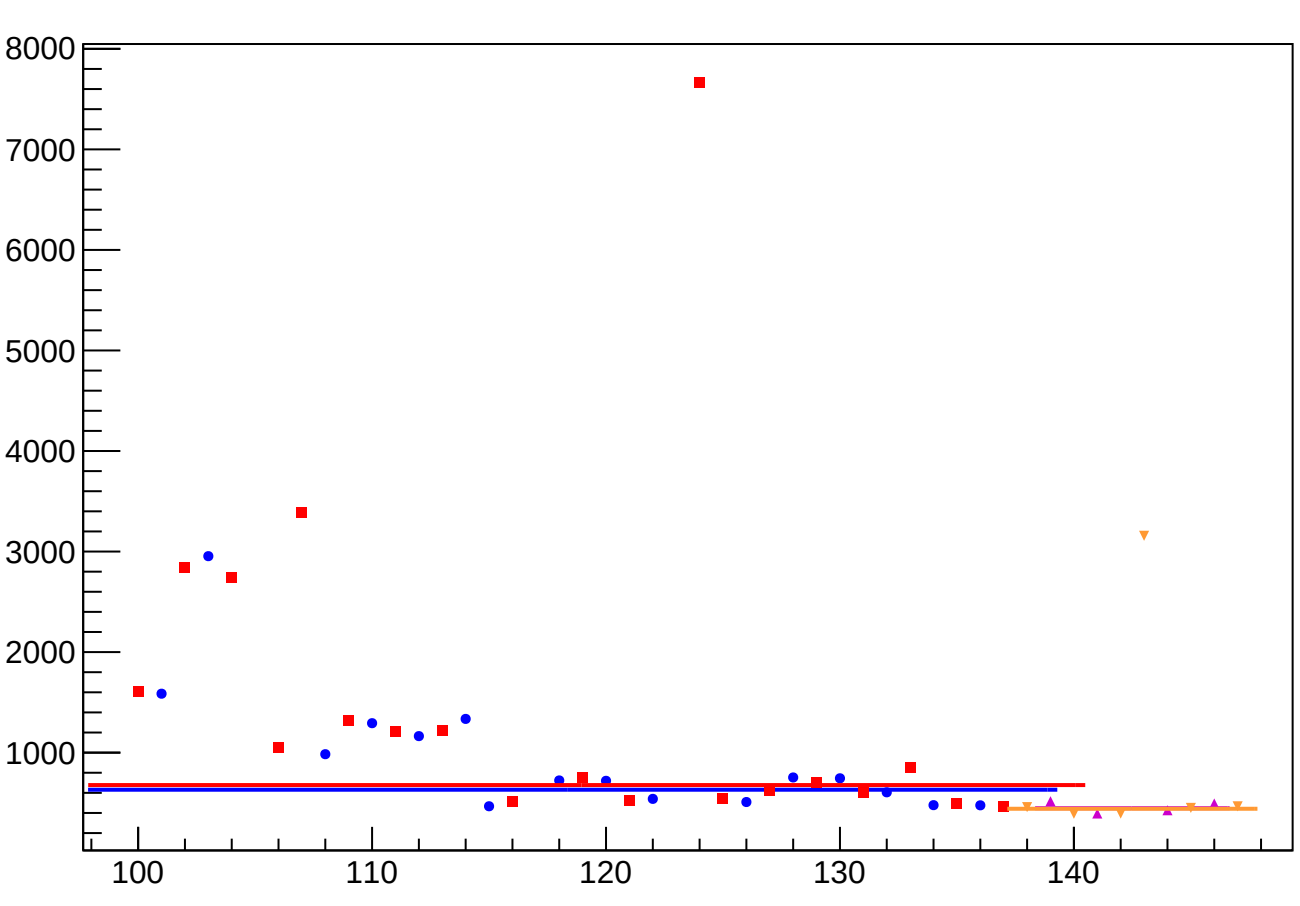
Left: 186.846+/-164.244 χ^2/NDF: 19.1/9

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 179.286+/-175.384 χ^2/NDF:25.4/19

Out: 75.341+/-175.345 χ^2/NDF:35.7/24

All: 127.302+/-124.001 χ^2/NDF: 61.4/44



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 441.797+/-0.159 χ^2/NDF:1254305.5/5

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 447.265+/-0.170 χ^2/NDF:81710.0/3

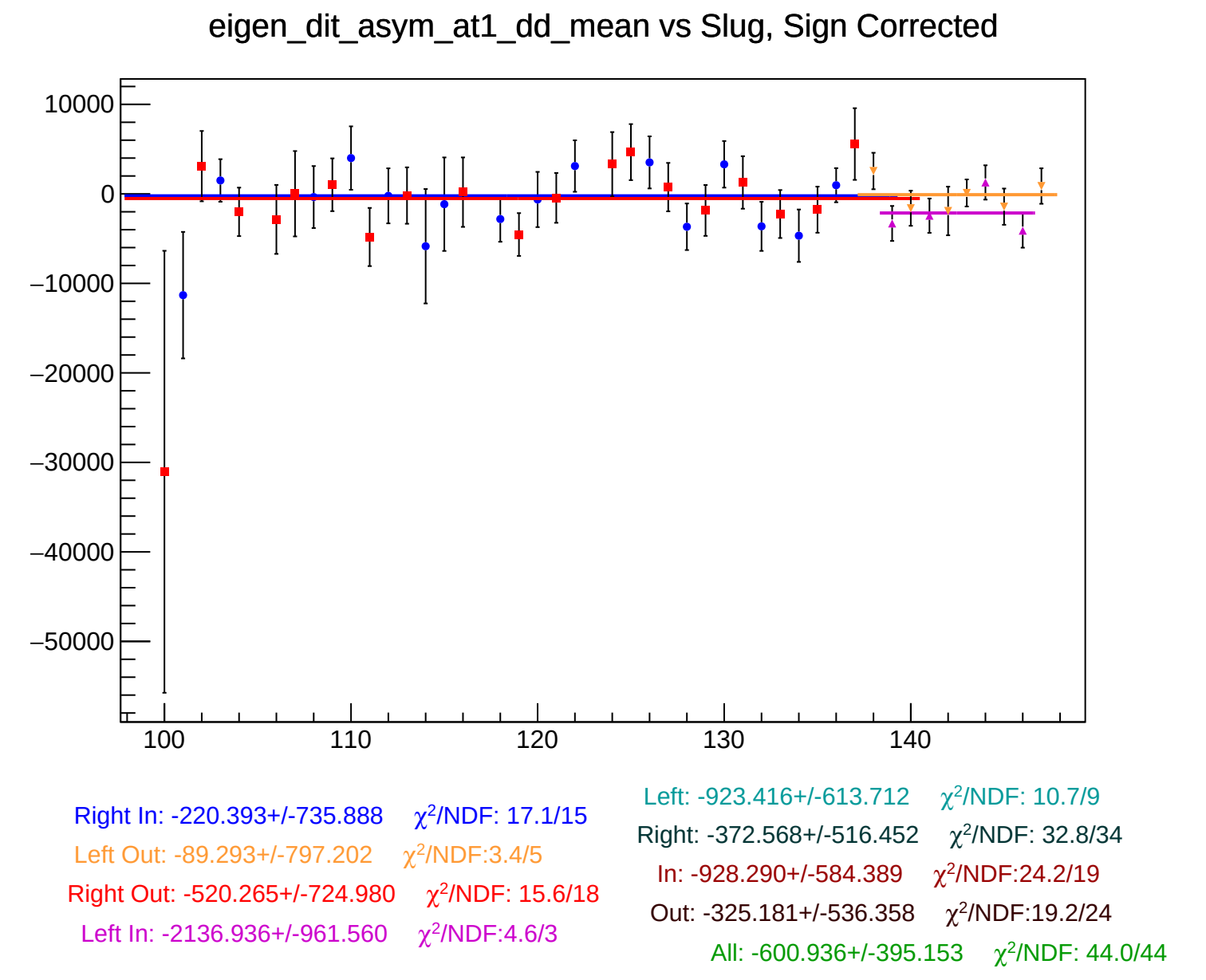
Left: 444.355+/-0.116 χ^2/NDF: 1336567.3/9

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

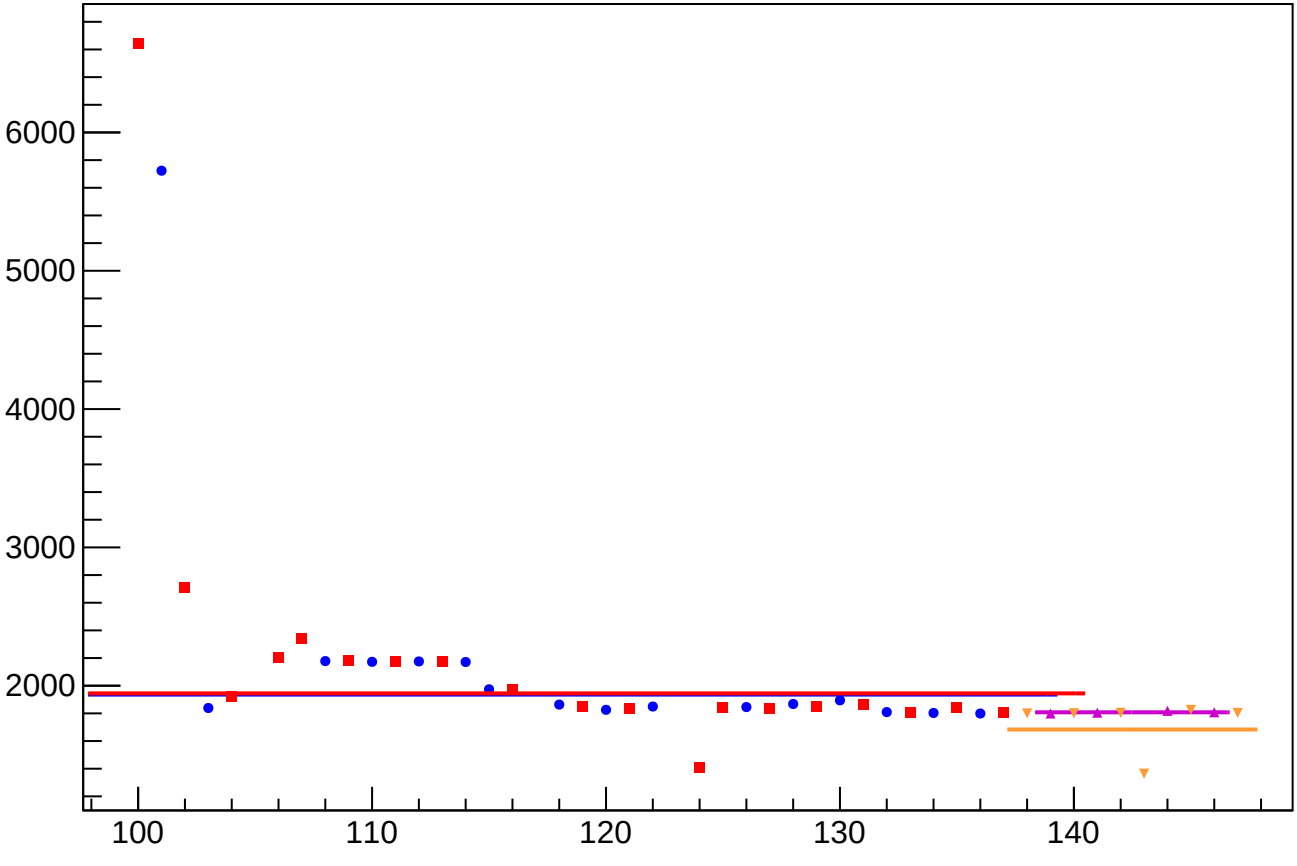
In: 533.064+/-0.124 χ^2/NDF:2863326.1/19

Out: 534.497+/-0.124 χ^2/NDF:5197817.9/24

All: 533.781+/-0.088 χ^2/NDF: 8061210.8/44


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -89.293+/-797.202 χ²/NDF:3.4/5
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -2136.936+/-961.560 χ²/NDF:4.6/3
Left: -923.416+/-613.712 χ²/NDF: 10.7/9
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -928.290+/-584.389 χ²/NDF:24.2/19
Out: -325.181+/-536.358 χ²/NDF:19.2/24
All: -600.936+/-395.153 χ²/NDF: 44.0/44

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1683.332+/-0.564 χ^2/NDF:124062.5/5

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1807.714+/-0.680 χ^2/NDF:102.4/3

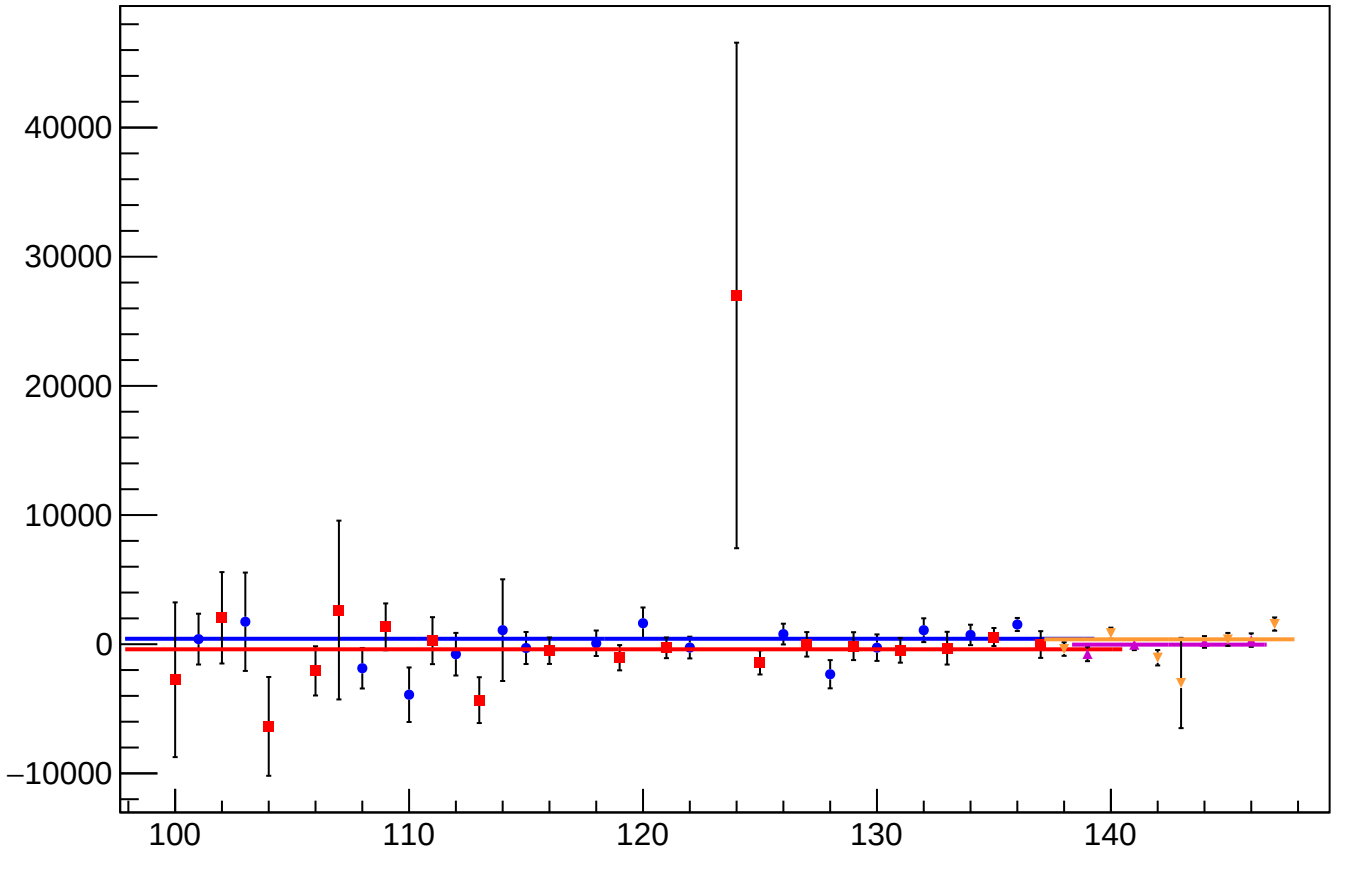
Left: 1734.000+/-0.434 χ^2/NDF: 143997.7/9

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1888.600+/-0.413 χ^2/NDF:662351.5/19

Out: 1826.277+/-0.379 χ^2/NDF:517768.7/24

All: 1854.772+/-0.279 χ^2/NDF: 1192466.7/44



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 379.453+/-225.133 χ^2/NDF:15.2/5

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -32.301+/-240.144 χ^2/NDF:2.3/3

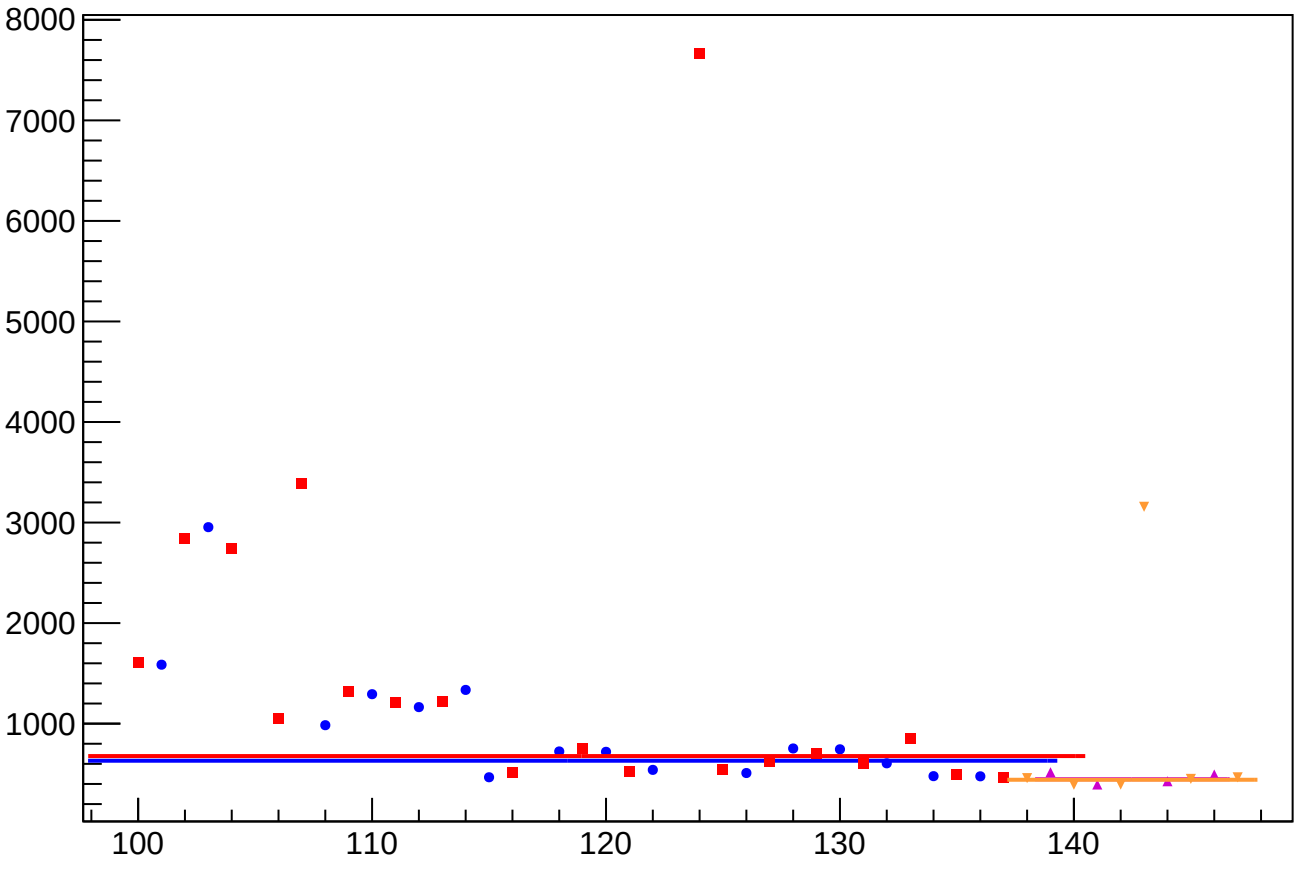
Left: 186.846+/-164.243 χ^2/NDF: 19.1/9

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 179.285+/-175.384 χ^2/NDF:25.4/19

Out: 75.342+/-175.345 χ^2/NDF:35.7/24

All: 127.302+/-124.001 χ^2/NDF: 61.4/44



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 441.796+/-0.159 χ^2/NDF:1254304.4/5

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 447.264+/-0.170 χ^2/NDF:81710.4/3

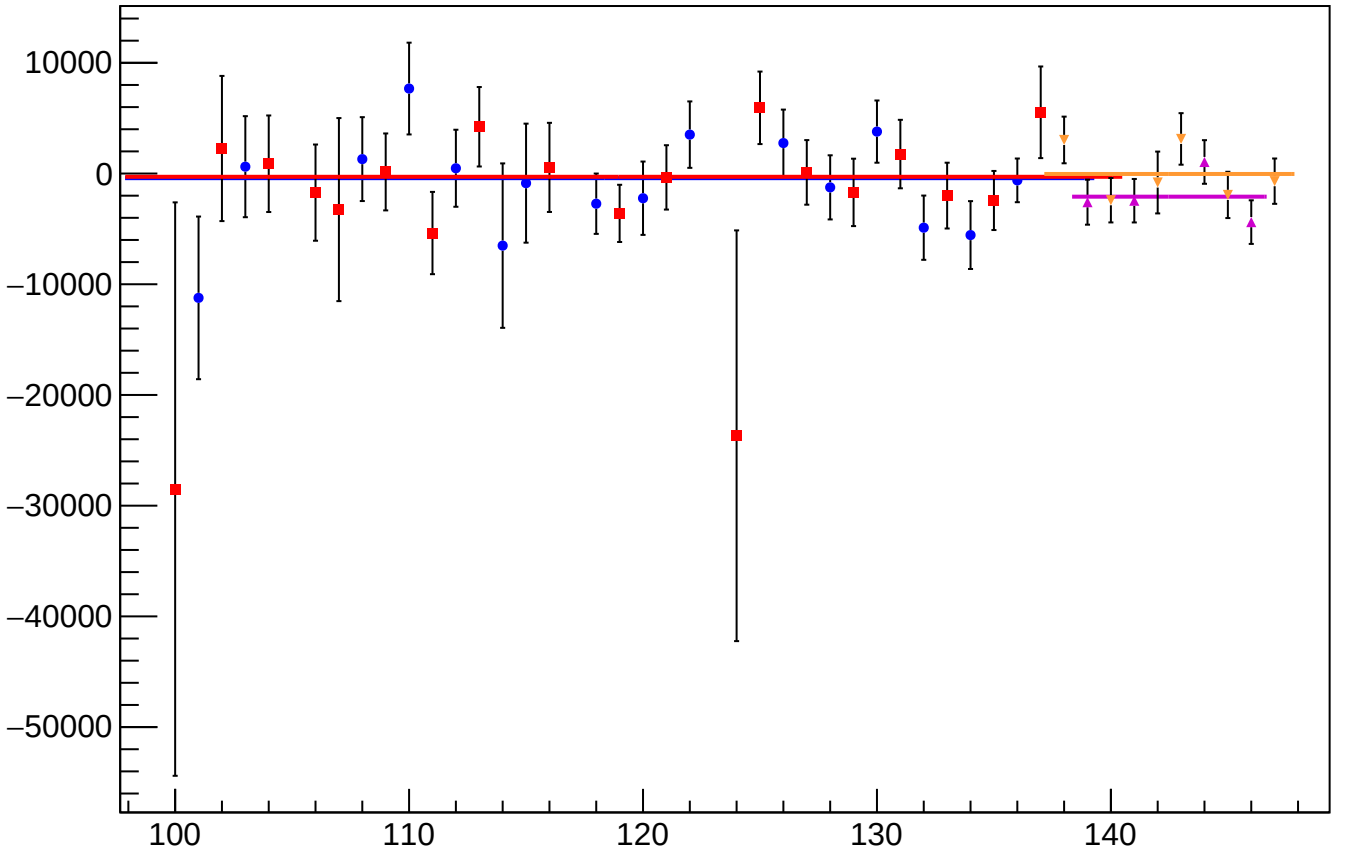
Left: 444.354+/-0.116 χ^2/NDF: 1336566.7/9

Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 533.064+/-0.124 χ^2/NDF:2863328.5/19

Out: 534.496+/-0.124 χ^2/NDF:5197825.7/24

All: 533.780+/-0.088 χ^2/NDF: 8061221.0/44



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -39.654+/-893.023 χ^2/NDF:6.4/5

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -2089.757+/-991.620 χ^2/NDF:4.0/3

Left: -957.745+/-663.591 χ^2/NDF: 12.7/9

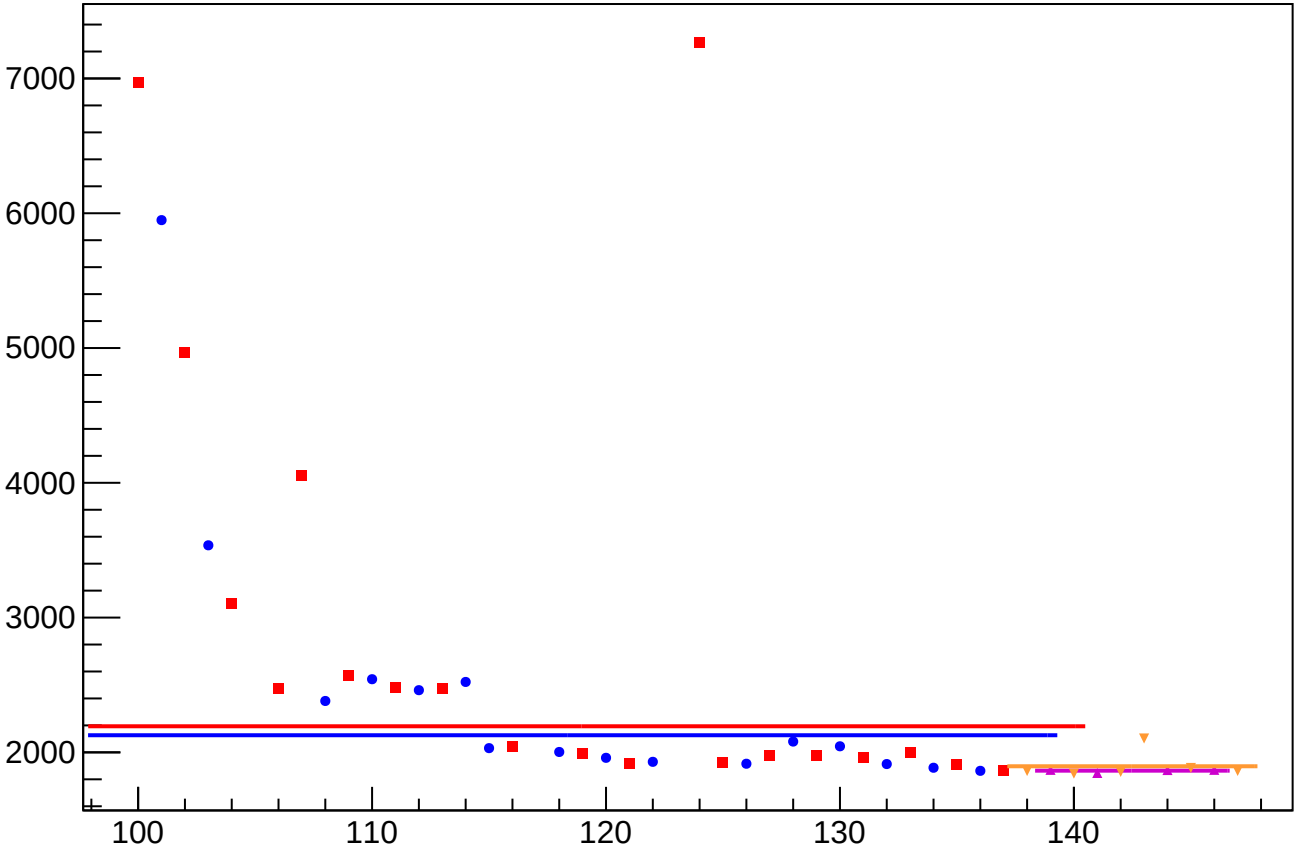
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -1092.154+/-629.800 χ^2/NDF:24.0/19

Out: -176.154+/-608.591 χ^2/NDF:22.0/24

All: -618.471+/-437.645 χ^2/NDF: 47.2/44

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1896.838+/-0.631 χ^2/NDF:18794.9/5

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1864.188+/-0.701 χ^2/NDF:199.5/3

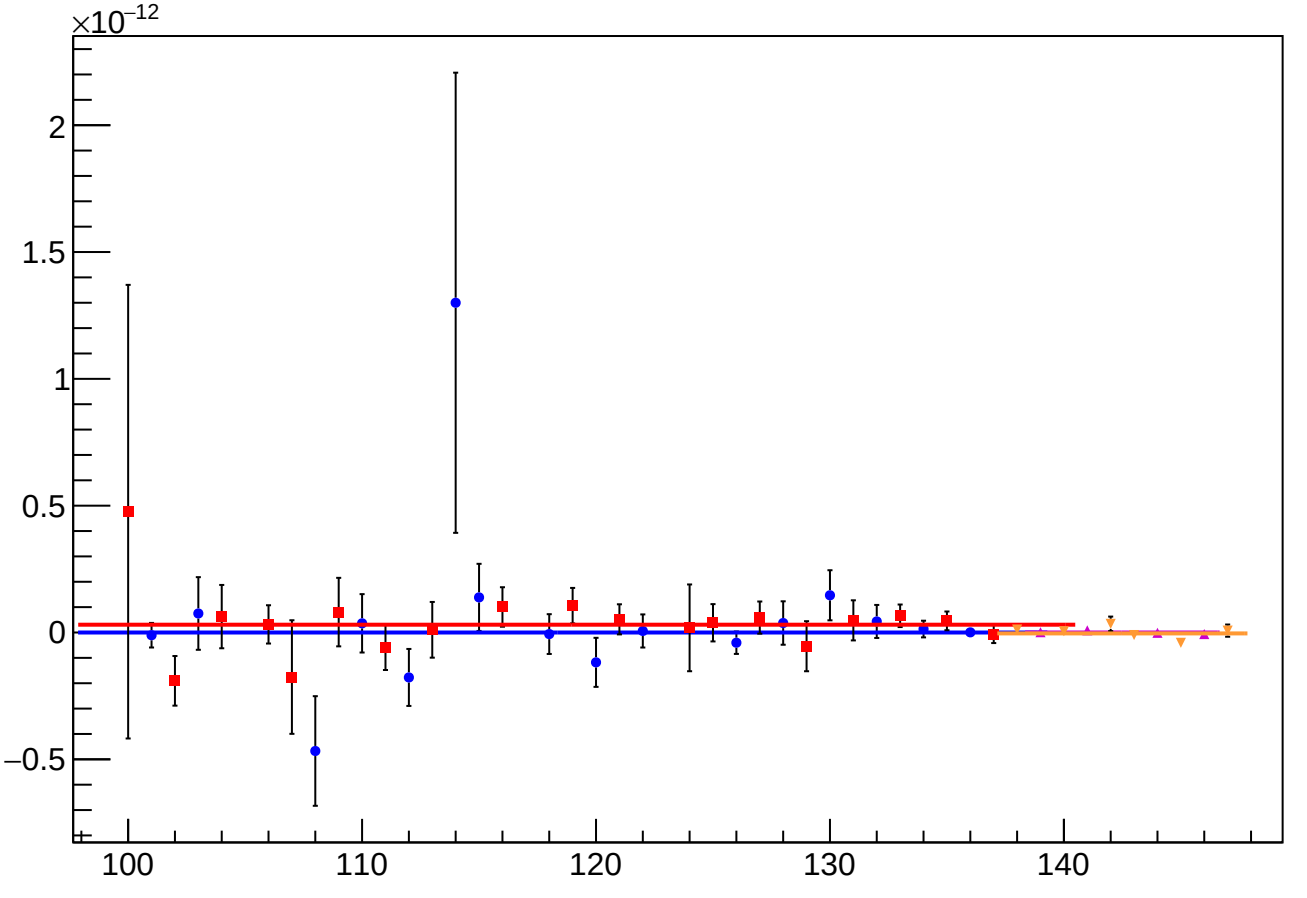
Left: 1882.217+/-0.469 χ^2/NDF: 20191.7/9

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 2021.011+/-0.445 χ^2/NDF:959119.8/19

Out: 2055.752+/-0.430 χ^2/NDF:1079630.3/24

All: 2038.977+/-0.309 χ^2/NDF: 2041897.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

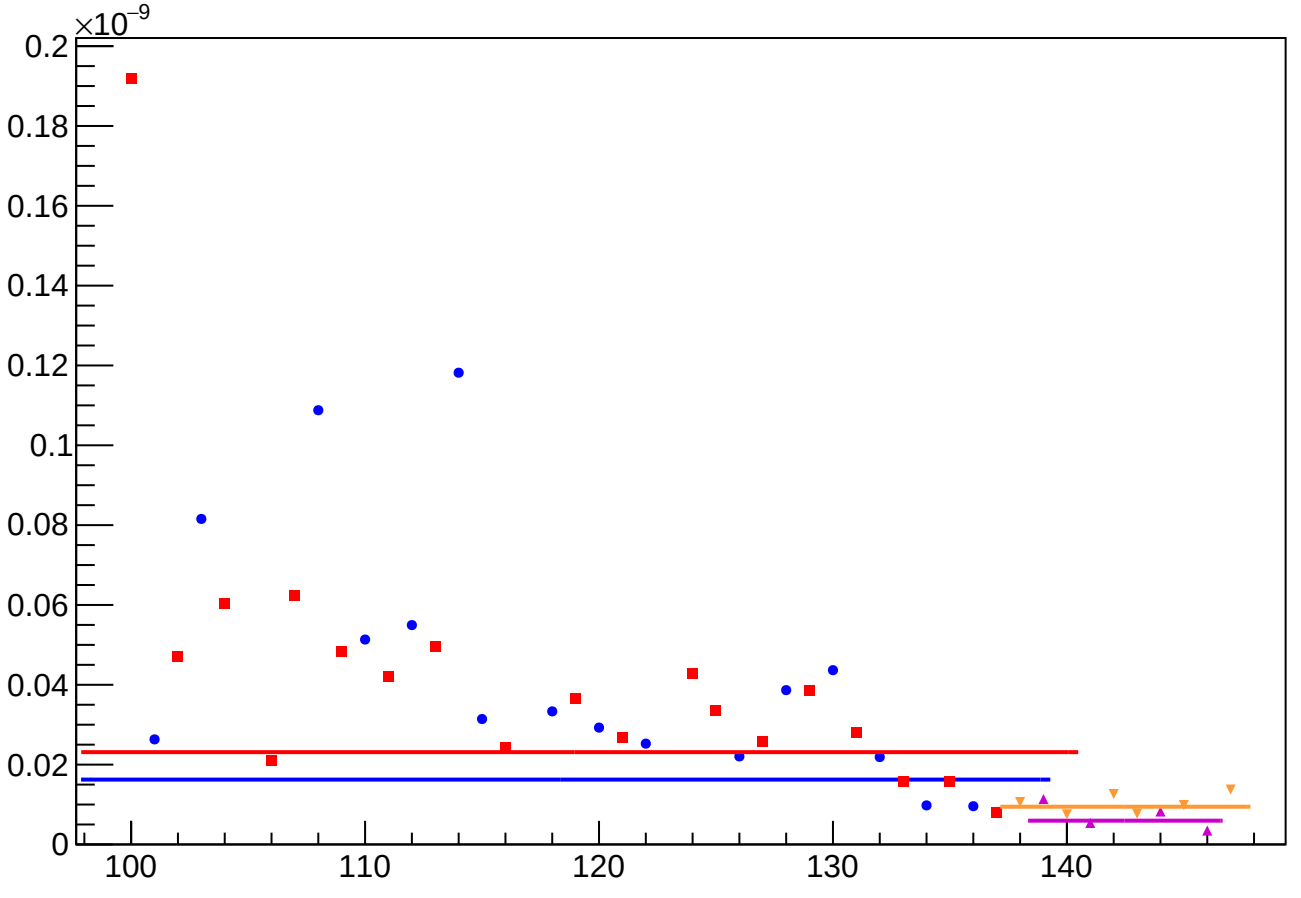
Left: -0.000+/-0.000 χ^2/NDF: 9.7/9

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.0/19

Out: 0.000+/-0.000 χ^2/NDF:24.9/24

All: 0.000+/-0.000 χ^2/NDF: 42.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:161765.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:368535.8/3

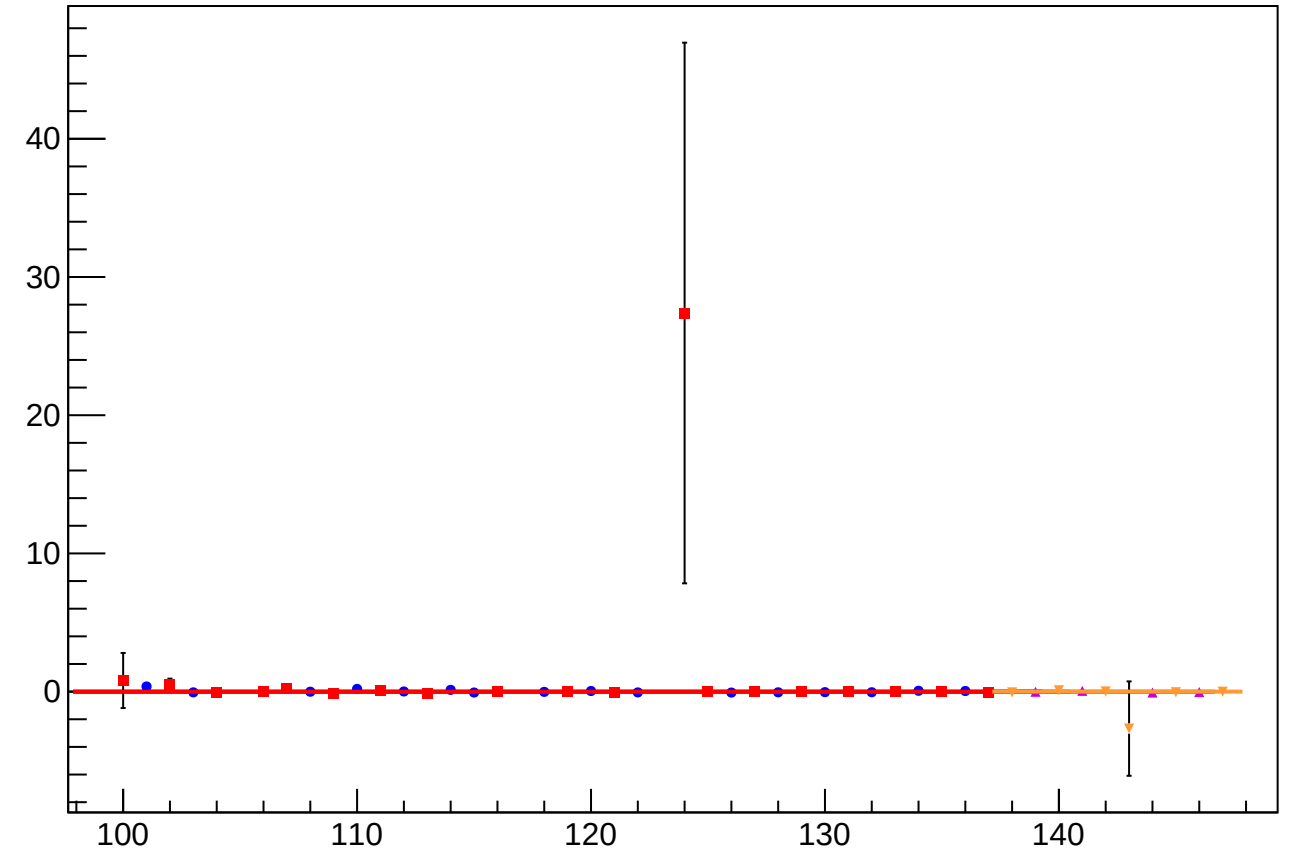
Left: 0.000+/-0.000 χ^2/NDF: 804405.0/9

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:3844334.5/19

Out: 0.000+/-0.000 χ^2/NDF:2825919.8/24

All: 0.000+/-0.000 χ^2/NDF: 7042256.1/44



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.020 χ^2/NDF:5.8/3

Left: -0.003+/-0.014 χ^2/NDF: 15.7/9

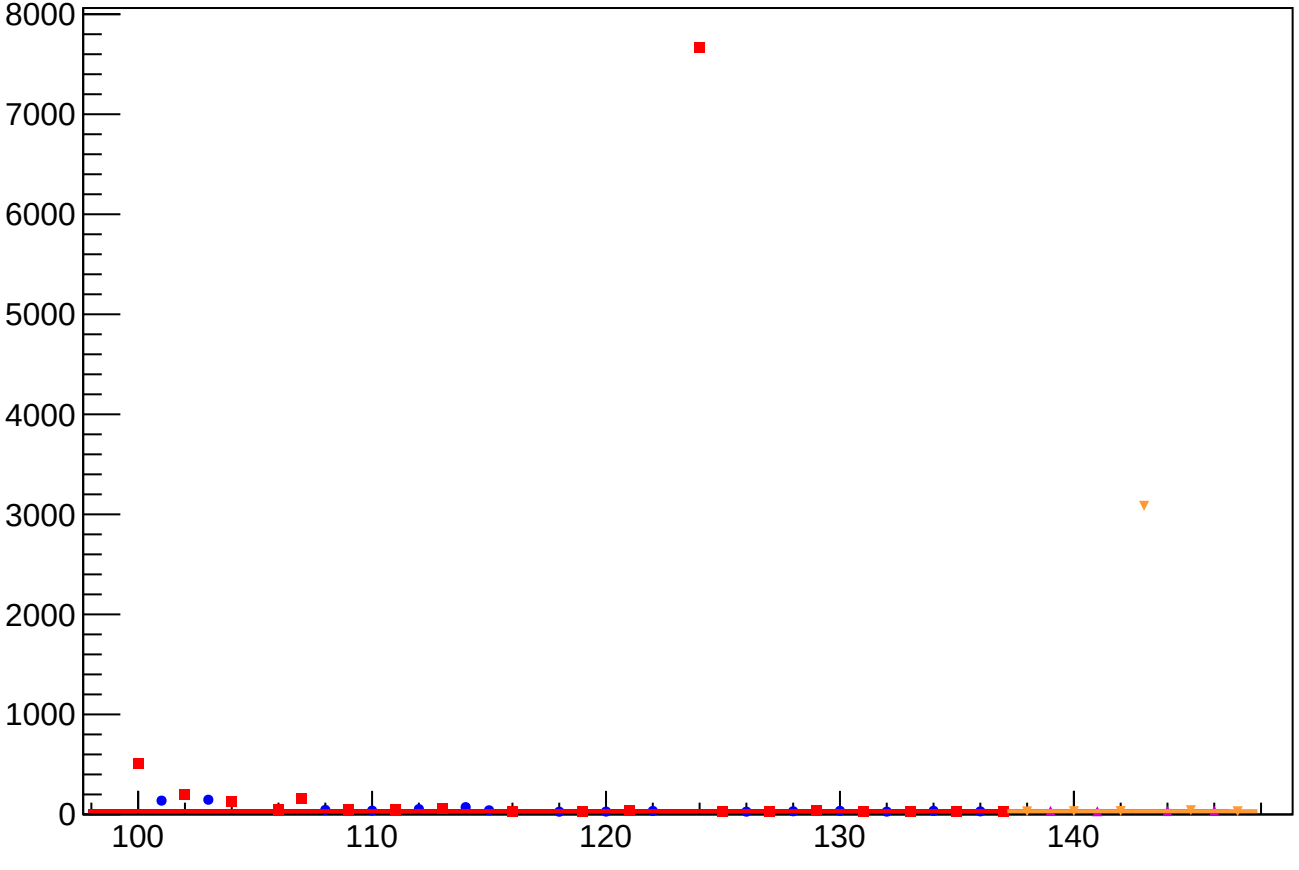
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.012 χ^2/NDF:27.0/19

Out: -0.007+/-0.012 χ^2/NDF:24.3/24

All: -0.004+/-0.008 χ^2/NDF: 51.4/44

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 33.081+/-0.013 χ^2/NDF:1684829.8/5

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.735+/-0.014 χ^2/NDF:18687.3/3

Left: 33.847+/-0.010 χ^2/NDF: 1710852.4/9

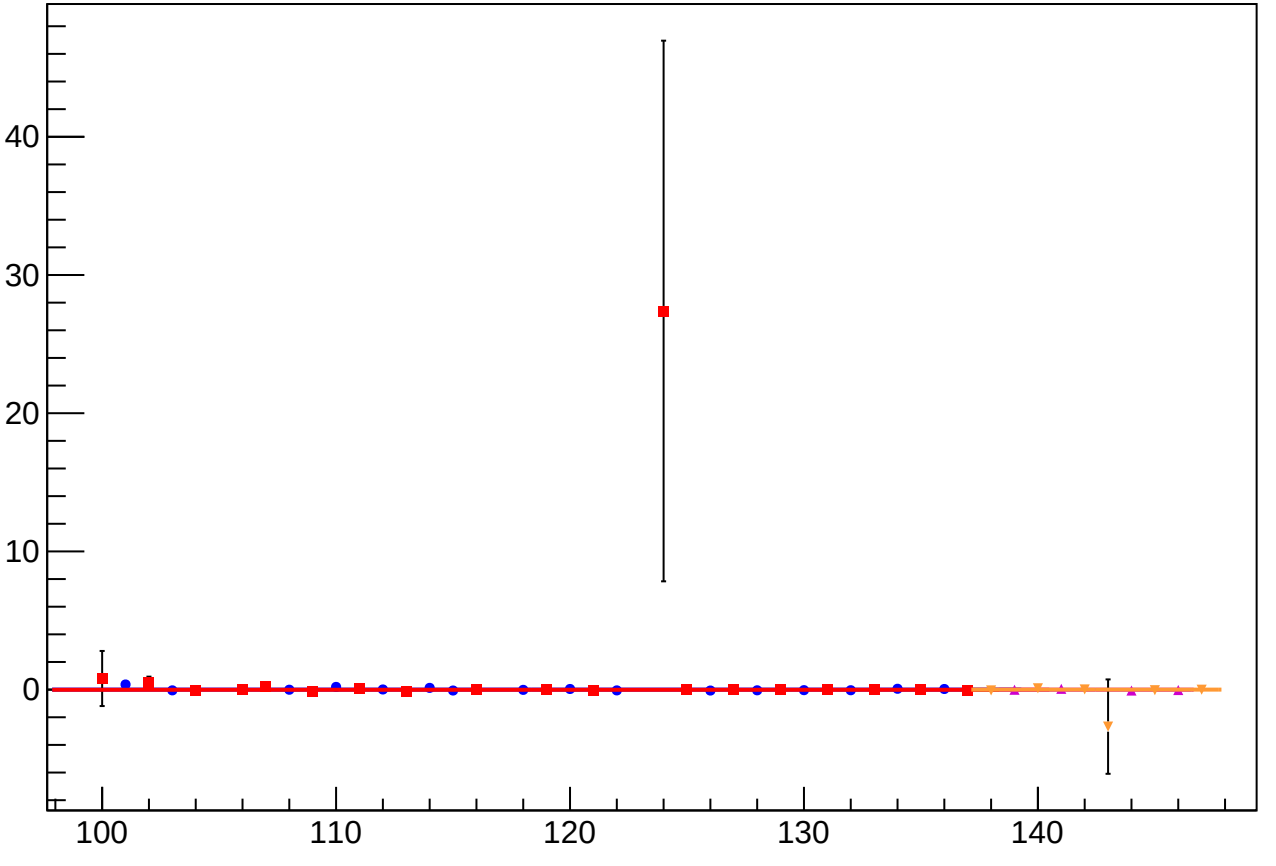
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.295+/-0.008 χ^2/NDF:1737448.2/19

Out: 33.083+/-0.008 χ^2/NDF:3759954.4/24

All: 33.675+/-0.006 χ^2/NDF: 5508058.4/44

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: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.020 χ^2/NDF:5.8/3

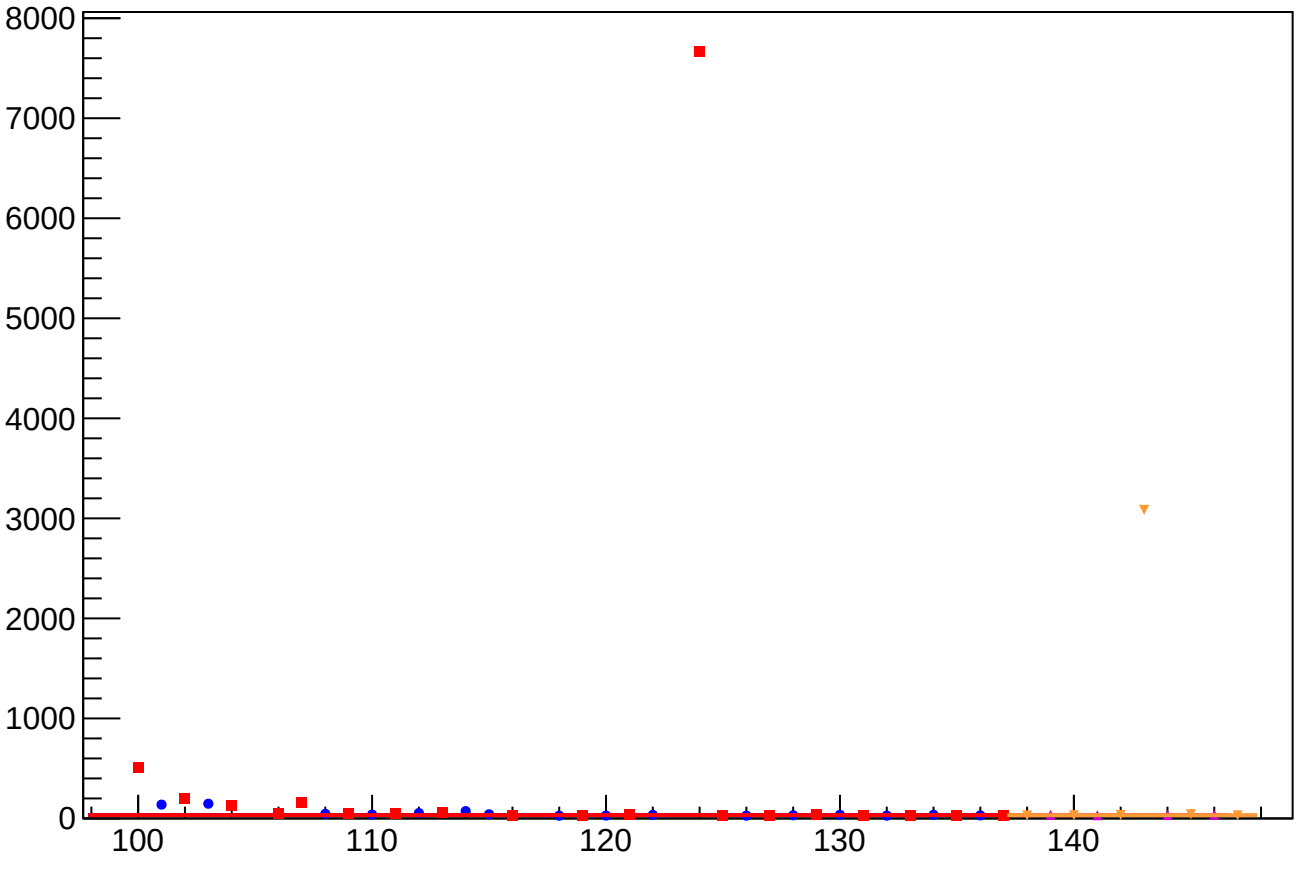
Left: -0.003+/-0.014 χ^2/NDF: 15.7/9

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.012 χ^2/NDF:27.0/19

Out: -0.007+/-0.012 χ^2/NDF:24.3/24

All: -0.004+/-0.008 χ^2/NDF: 51.4/44



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 33.081+/-0.013 χ^2/NDF:1684829.8/5

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.735+/-0.014 χ^2/NDF:18687.3/3

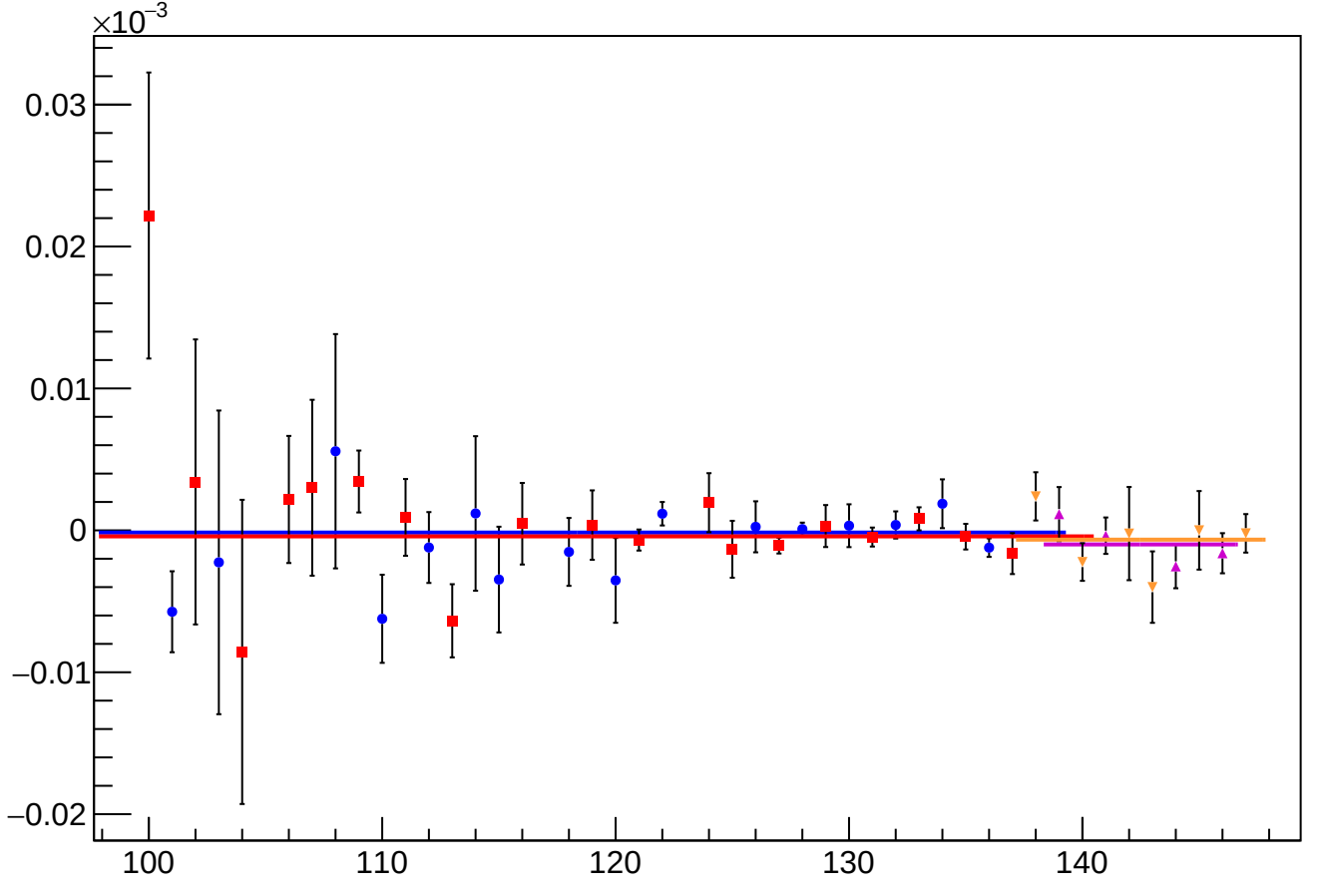
Left: 33.847+/-0.010 χ^2/NDF: 1710852.4/9

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.295+/-0.008 χ^2/NDF:1737448.2/19

Out: 33.083+/-0.008 χ^2/NDF:3759954.4/24

All: 33.675+/-0.006 χ^2/NDF: 5508058.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/3

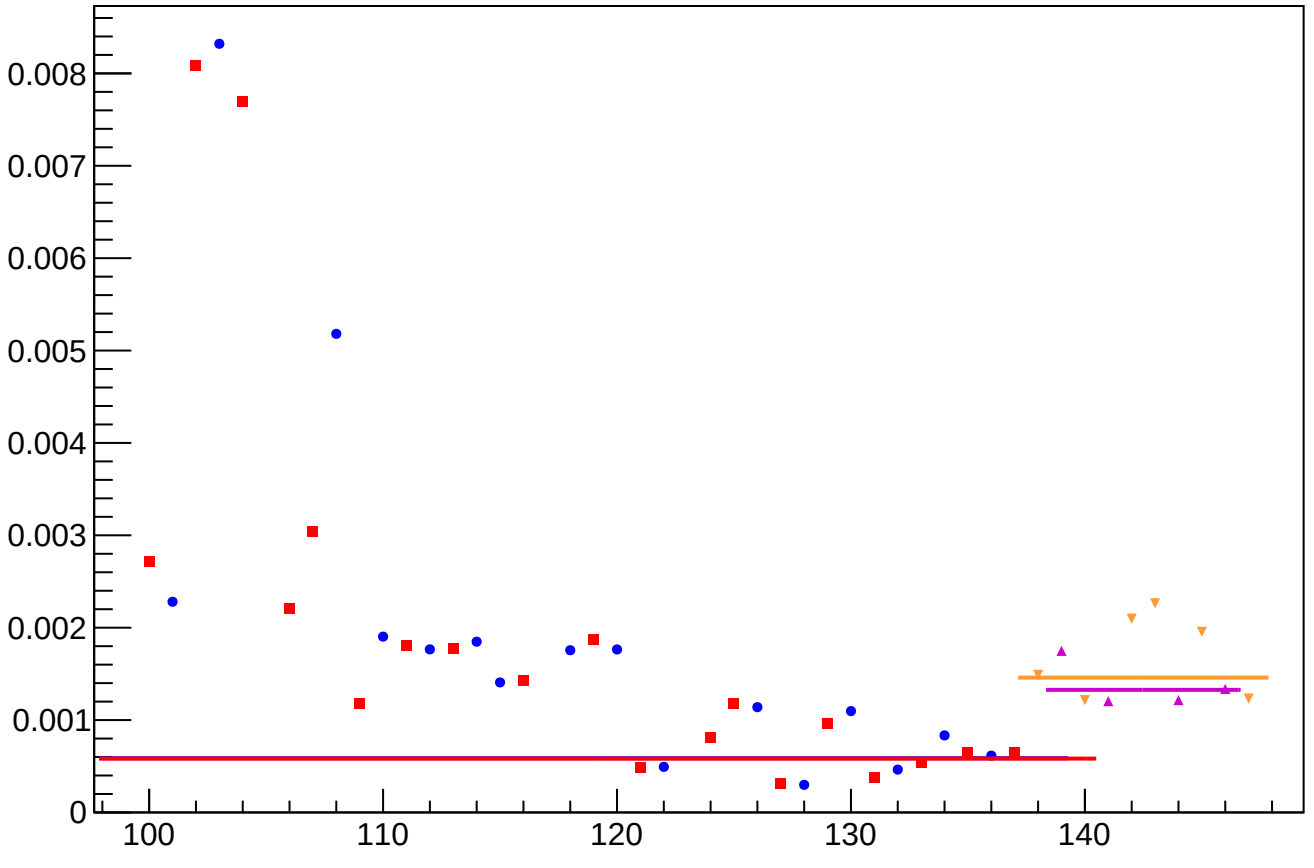
Left: -0.000+/-0.000 χ^2/NDF: 9.4/9

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:21.9/19

Out: -0.000+/-0.000 χ^2/NDF:28.2/24

All: -0.000+/-0.000 χ^2/NDF: 50.4/44



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:468005.7/5

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:126716.5/3

Left: 0.001+/-0.000 χ^2/NDF: 626509.4/9

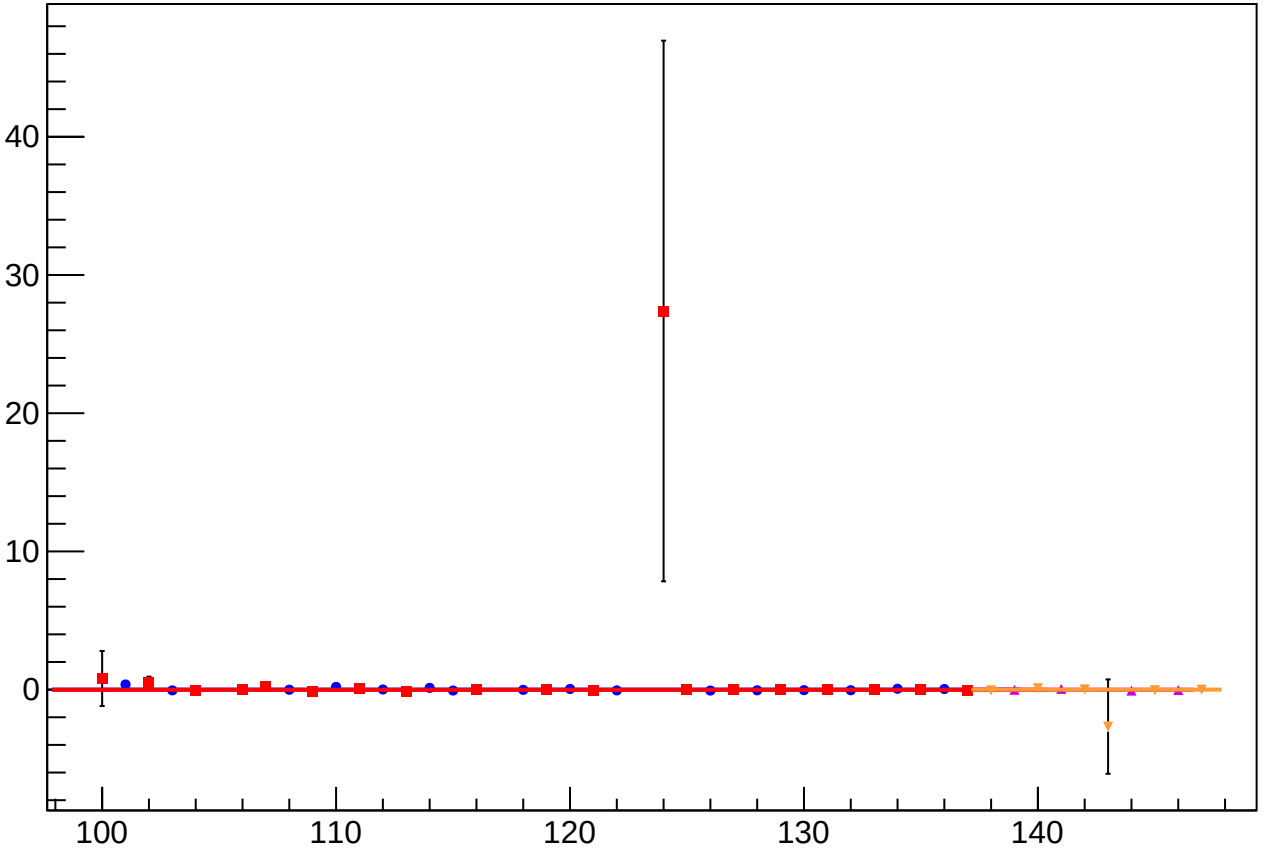
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:7324509.4/19

Out: 0.001+/-0.000 χ^2/NDF:8355988.7/24

All: 0.001+/-0.000 χ^2/NDF: 15682034.0/44

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: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.020 χ^2/NDF:5.8/3

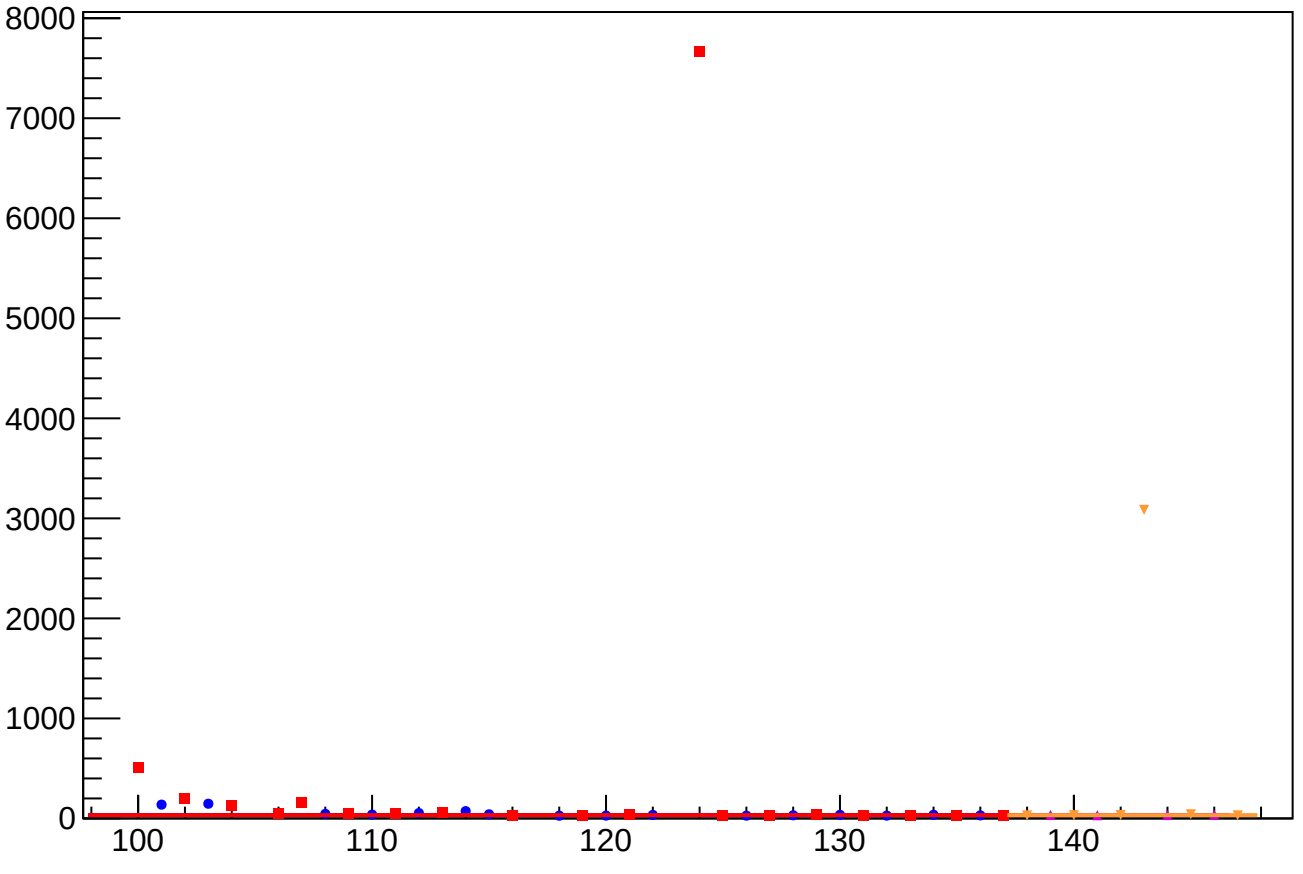
Left: -0.003+/-0.014 χ^2/NDF: 15.7/9

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.012 χ^2/NDF:27.0/19

Out: -0.007+/-0.012 χ^2/NDF:24.3/24

All: -0.004+/-0.008 χ^2/NDF: 51.4/44



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 33.081+/-0.013 χ^2/NDF:1684832.7/5

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.735+/-0.014 χ^2/NDF:18689.3/3

Left: 33.847+/-0.010 χ^2/NDF: 1710859.7/9

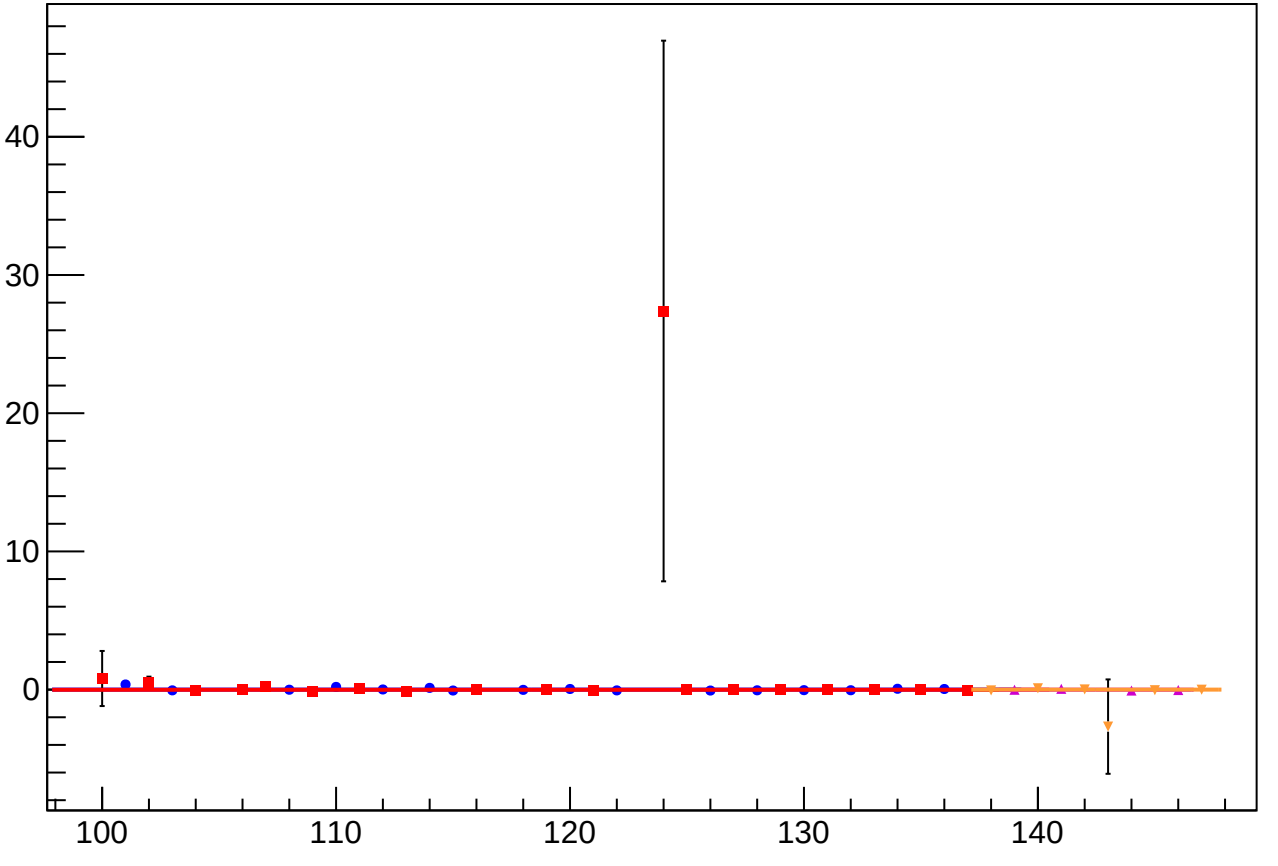
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.295+/-0.008 χ^2/NDF:1737438.8/19

Out: 33.083+/-0.008 χ^2/NDF:3759938.6/24

All: 33.675+/-0.006 χ^2/NDF: 5508036.4/44

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: 0.001+/-0.019 χ^2/NDF:9.9/5

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.020 χ^2/NDF:5.8/3

Left: -0.003+/-0.014 χ^2/NDF: 15.7/9

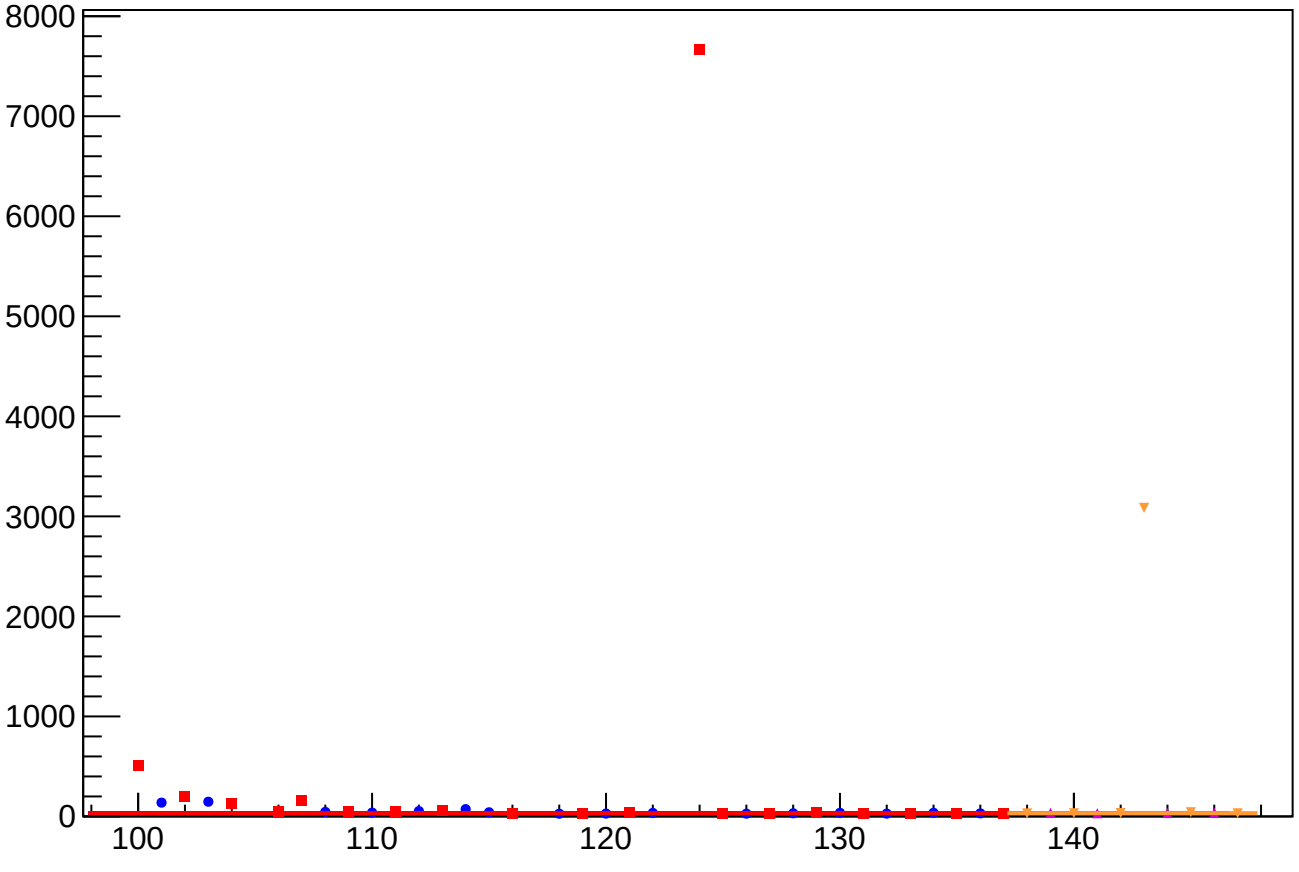
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.012 χ^2/NDF:27.0/19

Out: -0.007+/-0.012 χ^2/NDF:24.3/24

All: -0.004+/-0.008 χ^2/NDF: 51.4/44

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: 33.081+/-0.013 χ^2/NDF:1684832.7/5

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.735+/-0.014 χ^2/NDF:18689.3/3

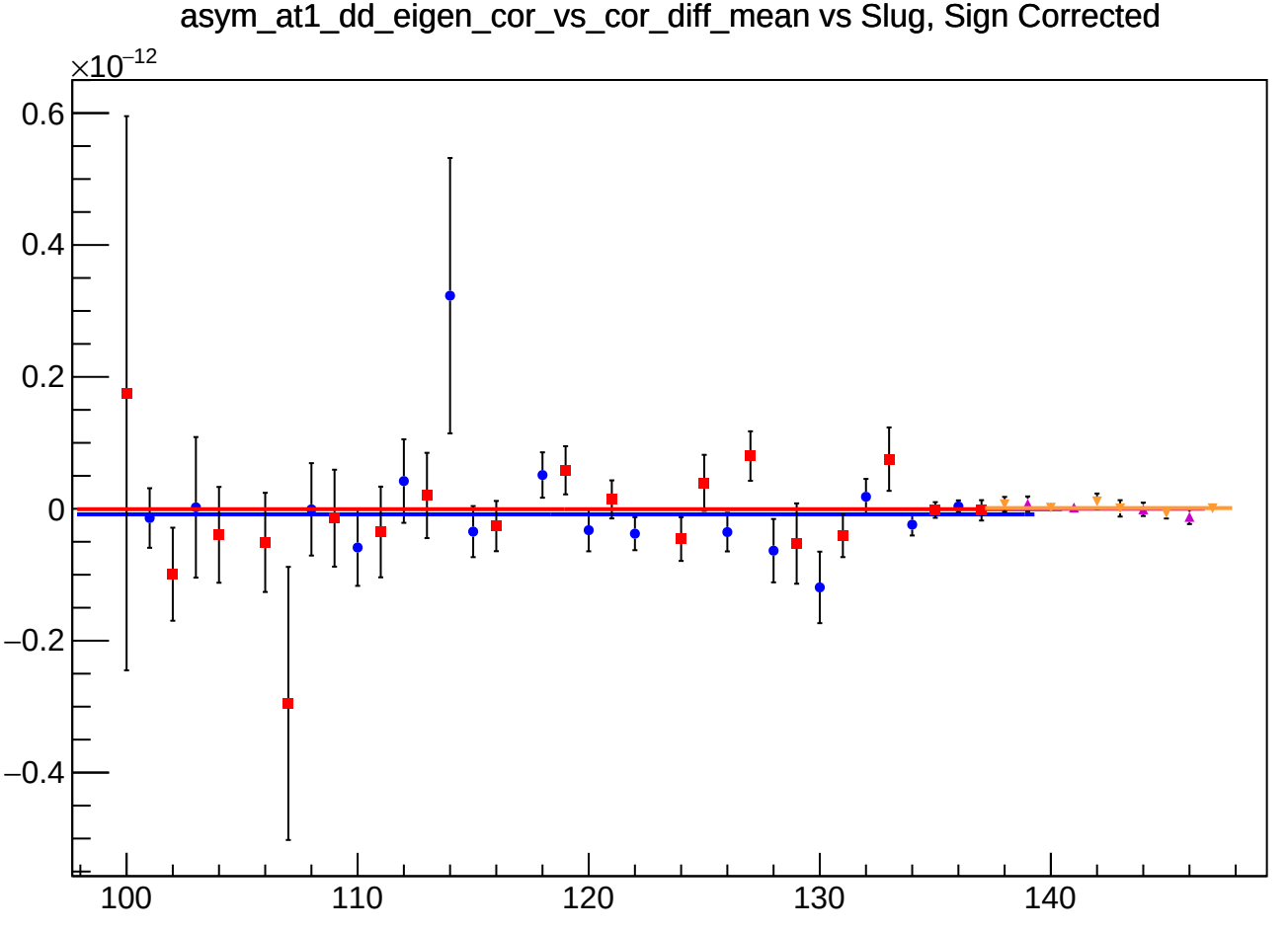
Left: 33.847+/-0.010 χ^2/NDF: 1710859.7/9

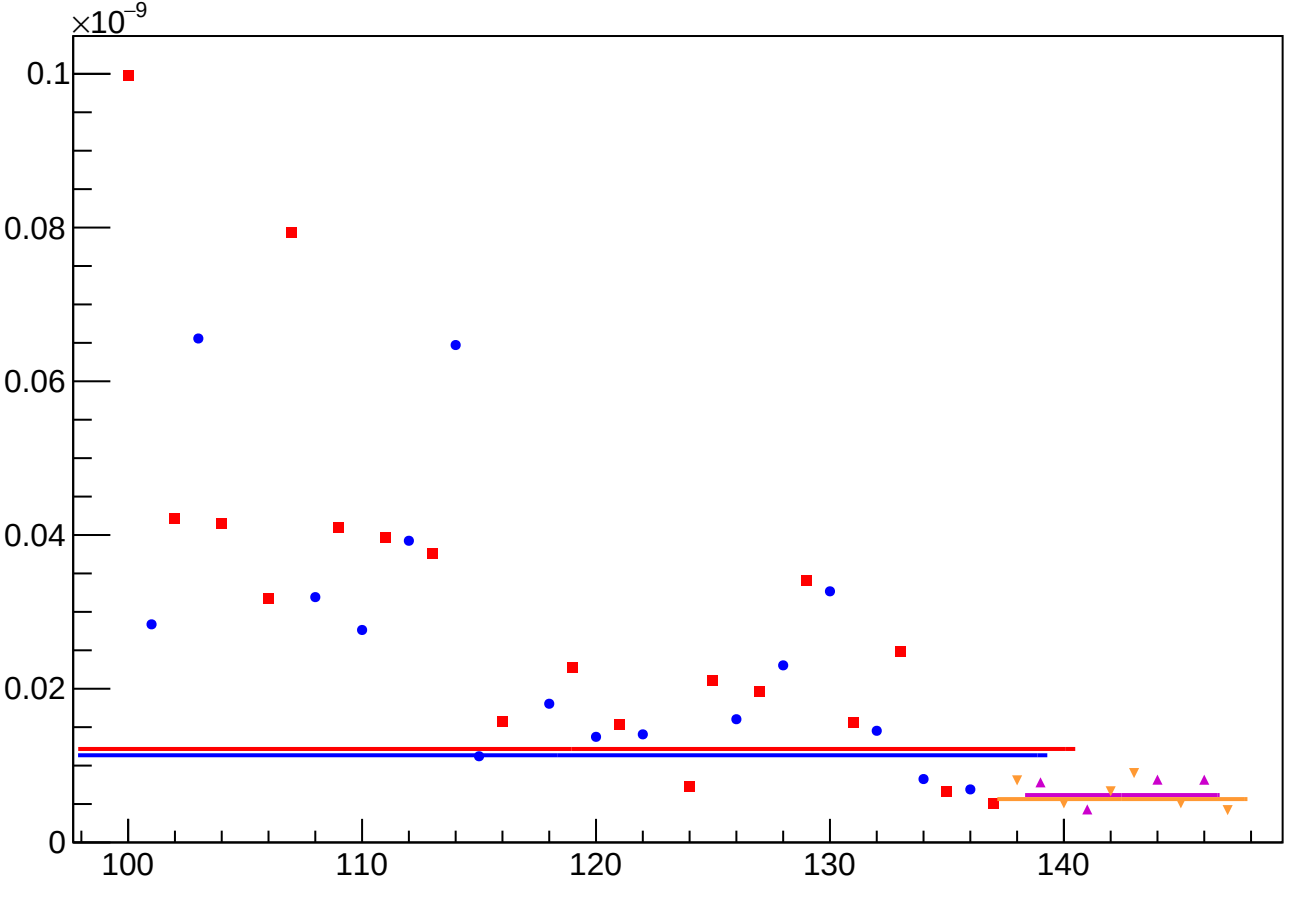
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.295+/-0.008 χ^2/NDF:1737438.8/19

Out: 33.083+/-0.008 χ^2/NDF:3759938.6/24

All: 33.675+/-0.006 χ^2/NDF: 5508036.4/44


asym_at1_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
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1.9/5
Right Out: -0.000+/-0.000 χ²/NDF: 20.8/18
Left In: 0.000+/-0.000 χ²/NDF:1.8/3
Left: 0.000+/-0.000 χ²/NDF: 3.7/9
Right: -0.000+/-0.000 χ²/NDF: 40.7/34
In: -0.000+/-0.000 χ²/NDF:22.3/19
Out: 0.000+/-0.000 χ²/NDF:22.7/24
All: -0.000+/-0.000 χ²/NDF: 45.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:356719.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:372790.7/3

Left: 0.000+/-0.000 χ^2/NDF: 746844.7/9

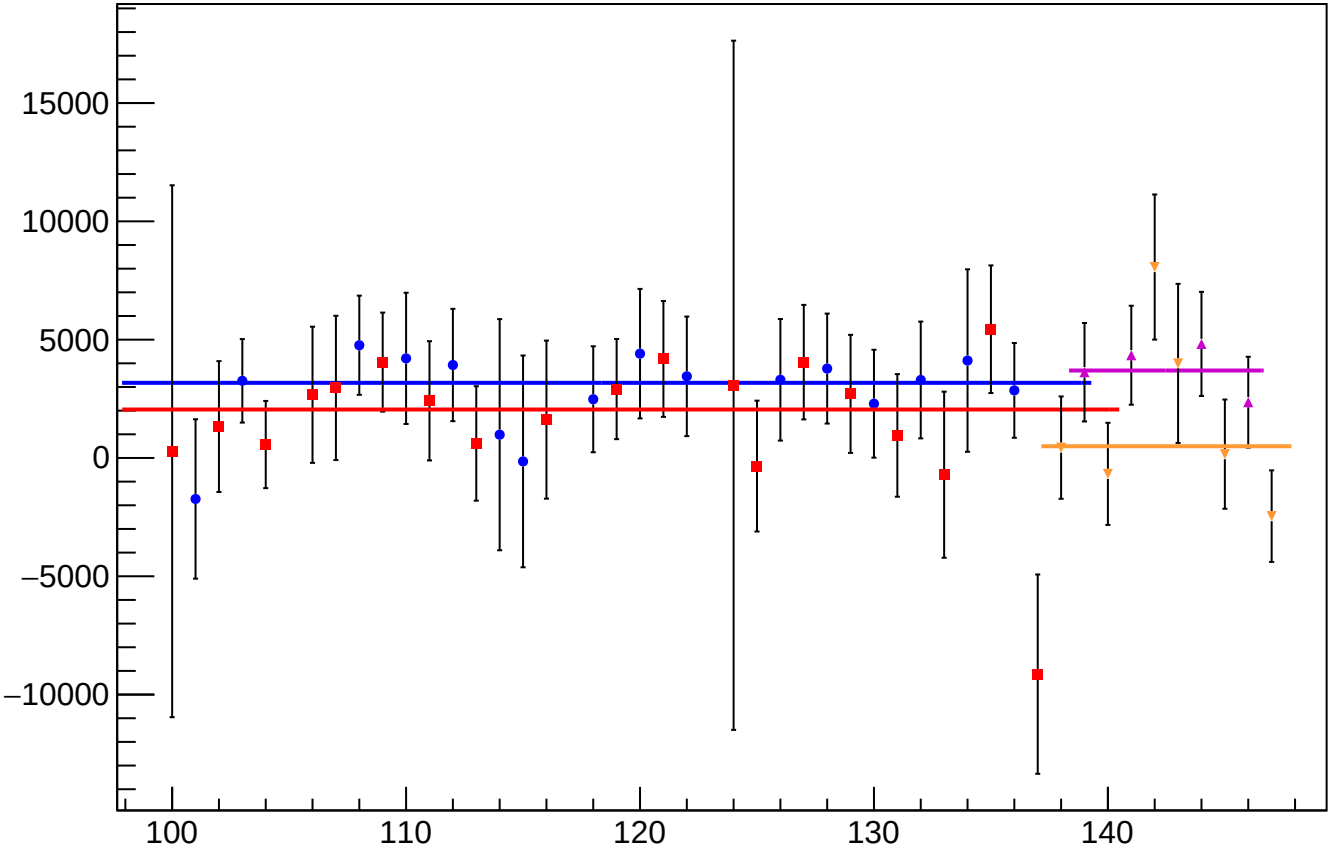
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4079165.0/19

Out: 0.000+/-0.000 χ^2/NDF:5417116.1/24

All: 0.000+/-0.000 χ^2/NDF: 9566264.7/44

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 495.489+/-963.114 χ^2/NDF:9.8/5

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3695.968+/-1032.624 χ^2/NDF:0.8/3

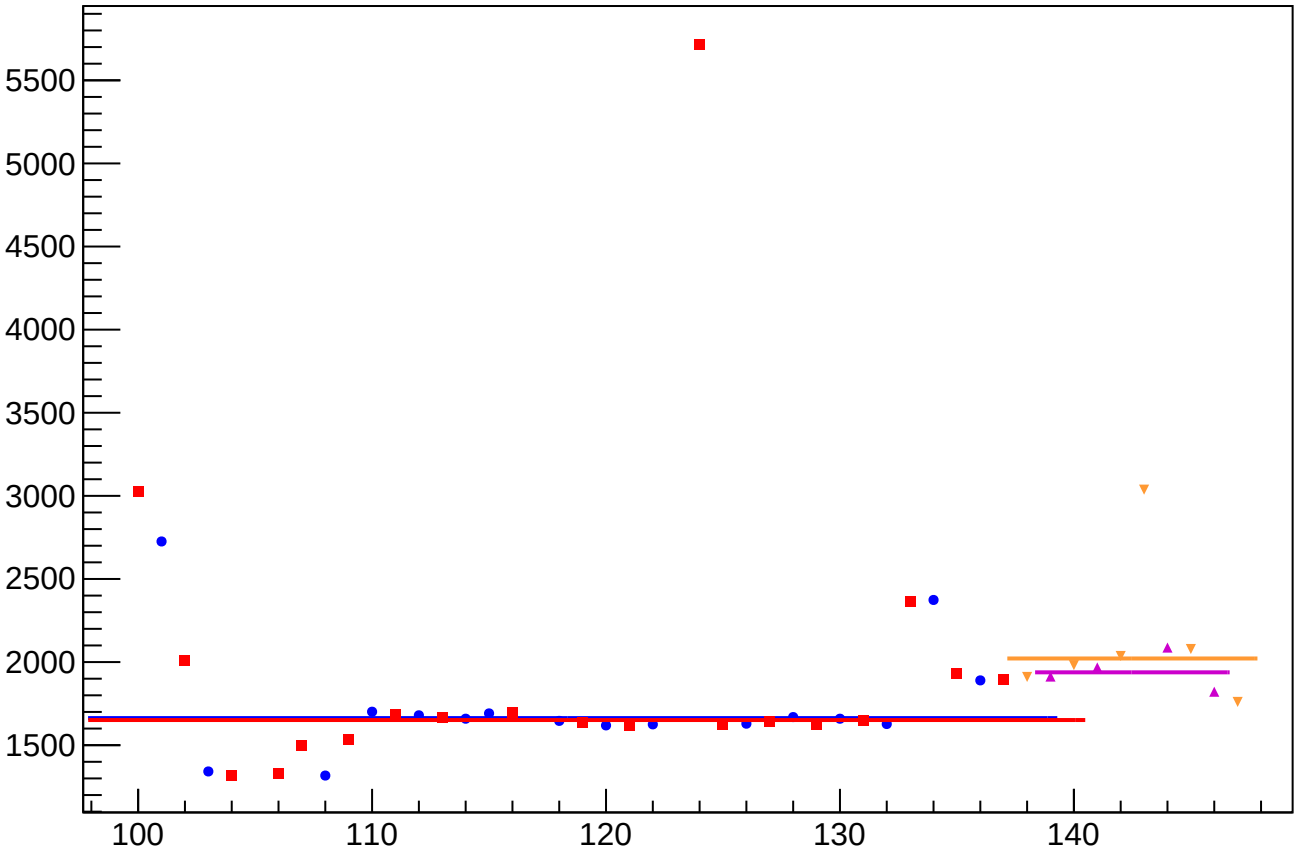
Left: 1984.393+/-704.317 χ^2/NDF: 15.8/9

Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3316.094+/-536.559 χ^2/NDF:5.3/19

Out: 1591.154+/-522.210 χ^2/NDF:25.7/24

All: 2430.250+/-374.228 χ^2/NDF: 36.4/44



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 2021.614+/-0.681 χ^2/NDF:226274.9/5

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

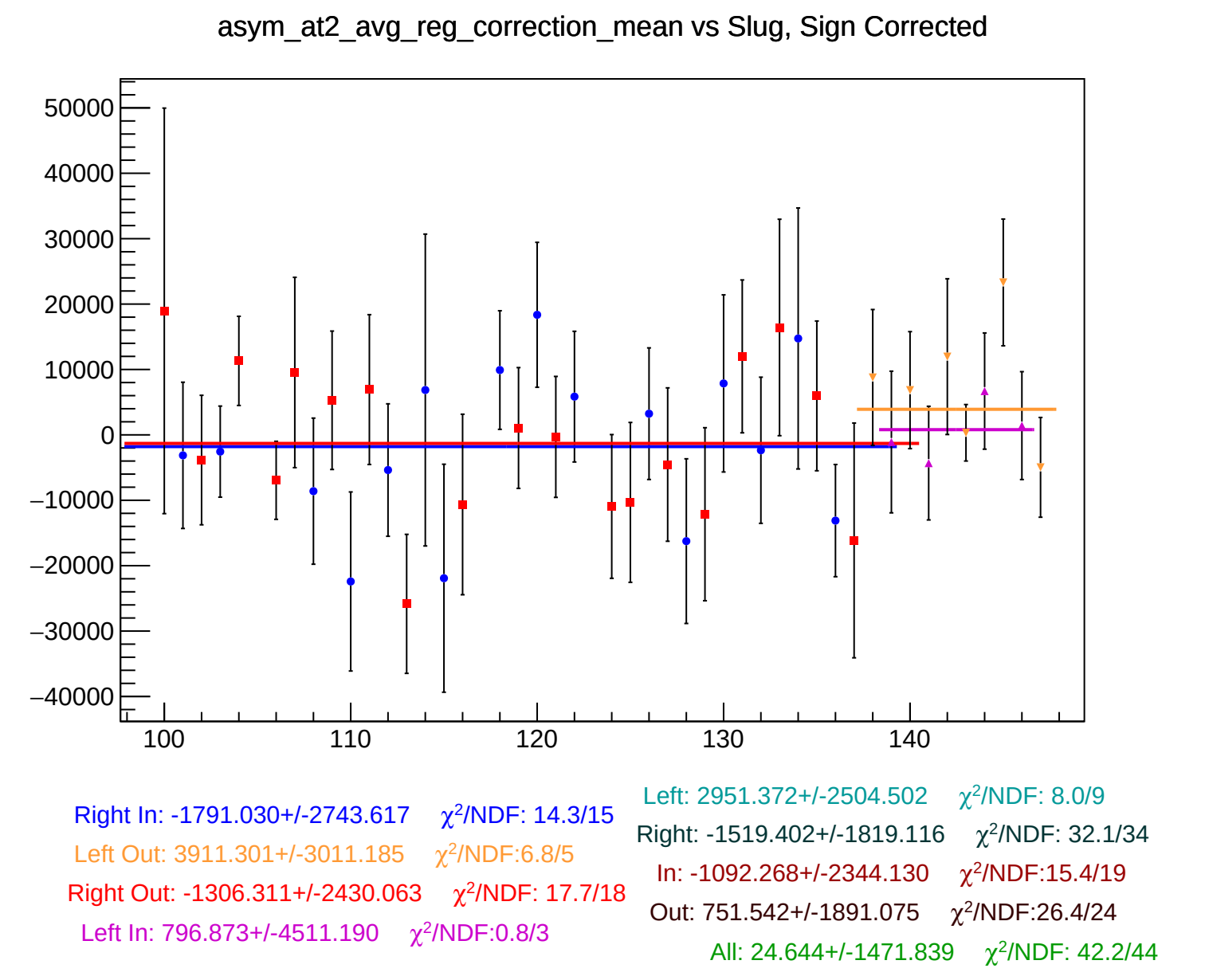
Left: 1982.848+/-0.498 χ^2/NDF: 250489.3/9

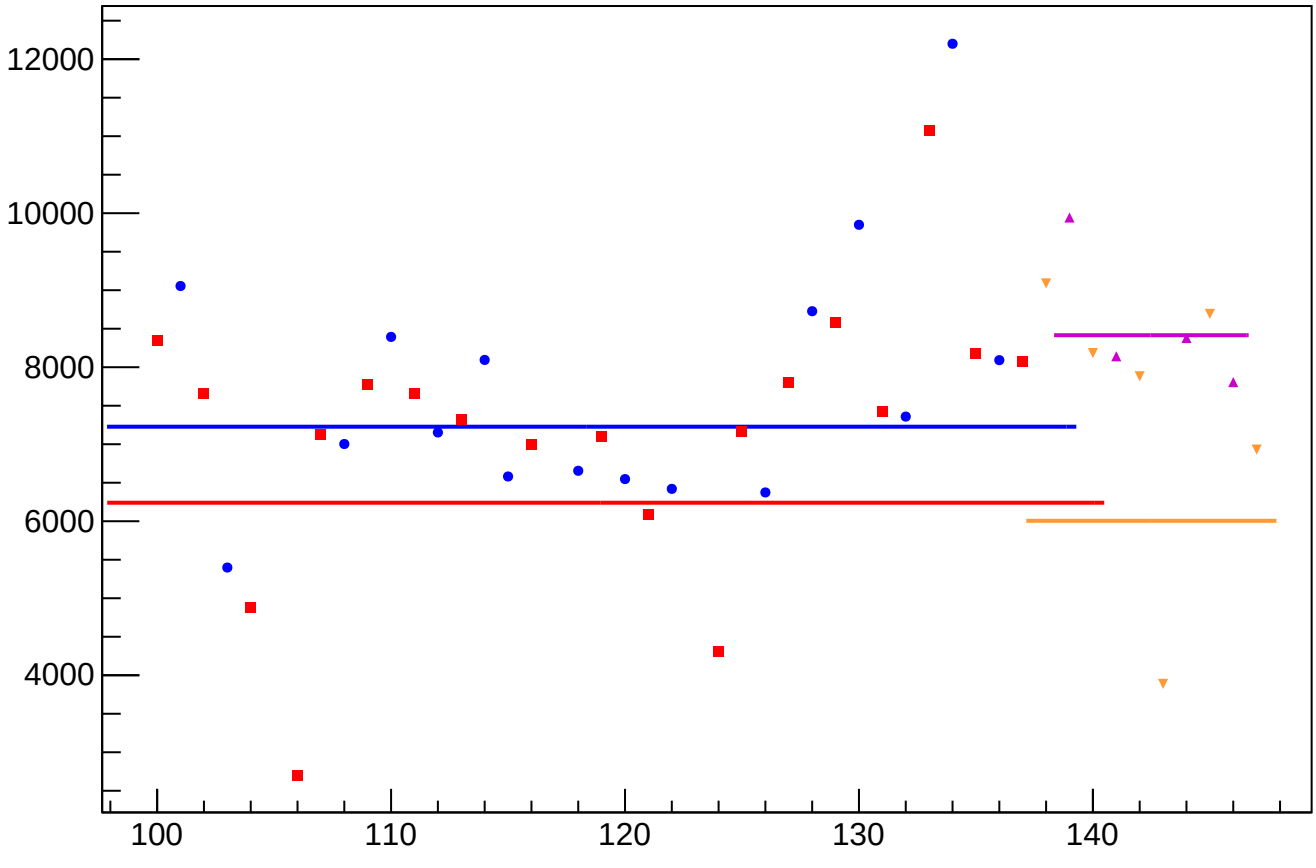
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1737.253+/-0.379 χ^2/NDF:536716.1/19

Out: 1760.184+/-0.369 χ^2/NDF:866964.5/24

All: 1749.029+/-0.265 χ^2/NDF: 1405556.7/44


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: 3911.301+/-3011.185 χ²/NDF:6.8/5
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 796.873+/-4511.190 χ²/NDF:0.8/3
Left: 2951.372+/-2504.502 χ²/NDF: 8.0/9
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: -1092.268+/-2344.130 χ²/NDF:15.4/19
Out: 751.542+/-1891.075 χ²/NDF:26.4/24
All: 24.644+/-1471.839 χ²/NDF: 42.2/44



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6005.738+/-2.129 χ^2/NDF:1008236.5/5

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8415.616+/-3.190 χ^2/NDF:52741.2/3

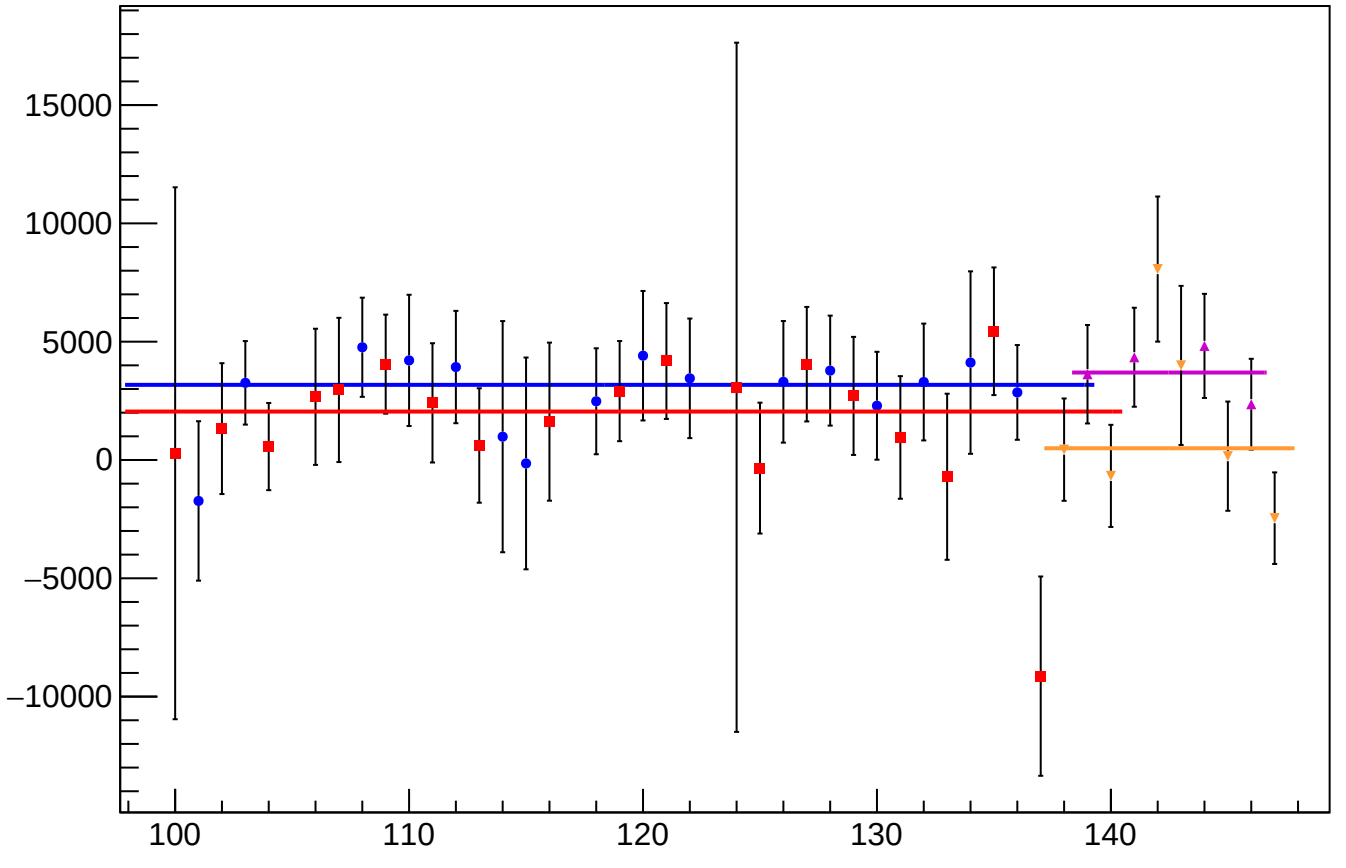
Left: 6748.510+/-1.771 χ^2/NDF: 1455804.1/9

Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7548.370+/-1.658 χ^2/NDF:657257.0/19

Out: 6147.943+/-1.337 χ^2/NDF:2414679.5/24

All: 6700.043+/-1.041 χ^2/NDF: 3504341.4/44



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 495.627+/-963.114 χ^2/NDF:9.8/5

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3696.215+/-1032.624 χ^2/NDF:0.8/3

Left: 1984.582+/-704.317 χ^2/NDF: 15.8/9

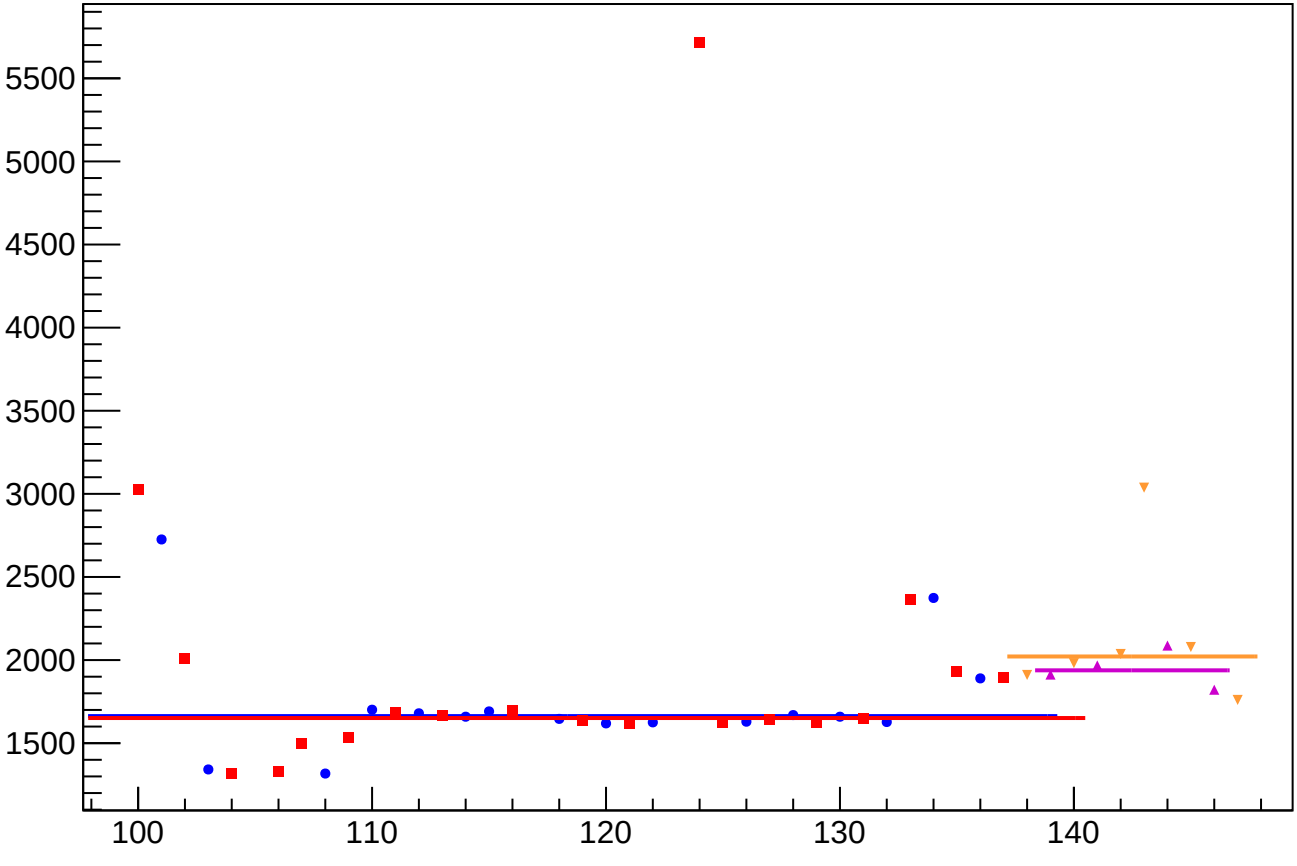
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3316.226+/-536.559 χ^2/NDF:5.3/19

Out: 1591.058+/-522.210 χ^2/NDF:25.7/24

All: 2430.265+/-374.228 χ^2/NDF: 36.3/44

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2021.614+/-0.681 χ^2/NDF:226274.9/5

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

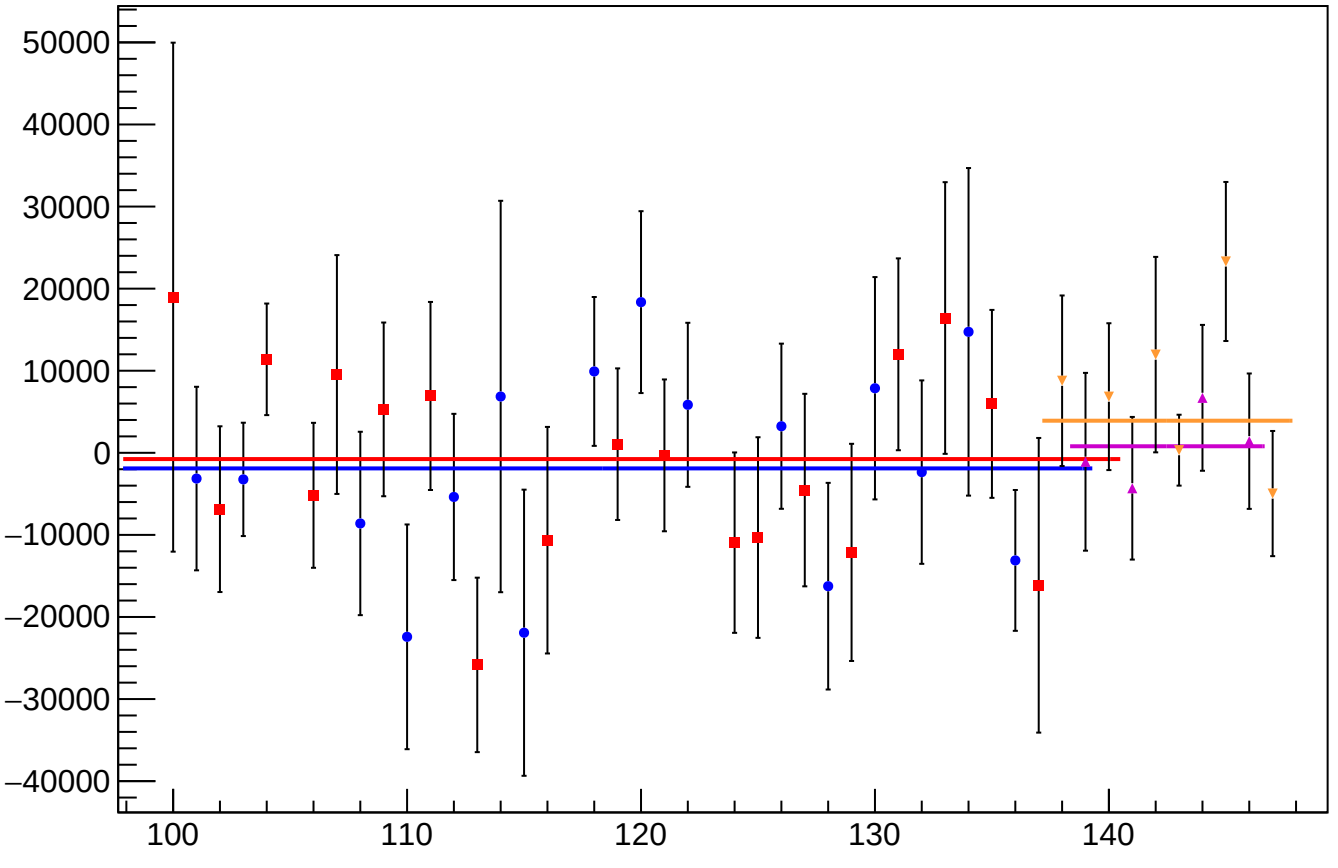
Left: 1982.848+/-0.498 χ^2/NDF: 250489.3/9

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1737.253+/-0.379 χ^2/NDF:536716.6/19

Out: 1760.184+/-0.369 χ^2/NDF:866964.8/24

All: 1749.029+/-0.265 χ^2/NDF: 1405557.4/44



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3911.160+/-3011.168 χ^2/NDF:6.8/5

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 796.935+/-4511.187 χ^2/NDF:0.8/3

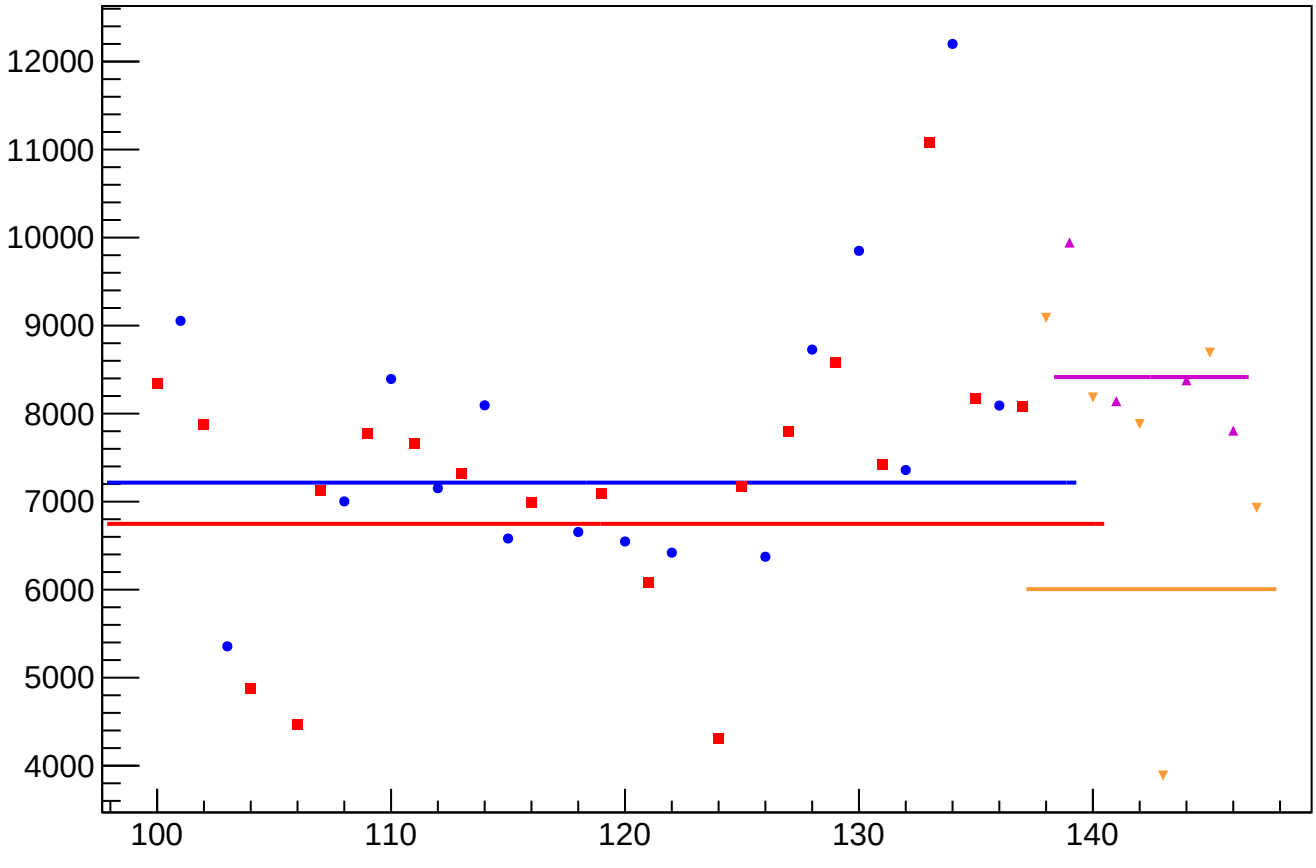
Left: 2951.301+/-2504.492 χ^2/NDF: 8.0/9

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1173.309+/-2341.844 χ^2/NDF:15.4/19

Out: 1189.349+/-1945.944 χ^2/NDF:25.5/24

All: 224.325+/-1496.672 χ^2/NDF: 41.6/44



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6005.694+/-2.129 χ^2/NDF:1008262.2/5

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8415.611+/-3.190 χ^2/NDF:52741.1/3

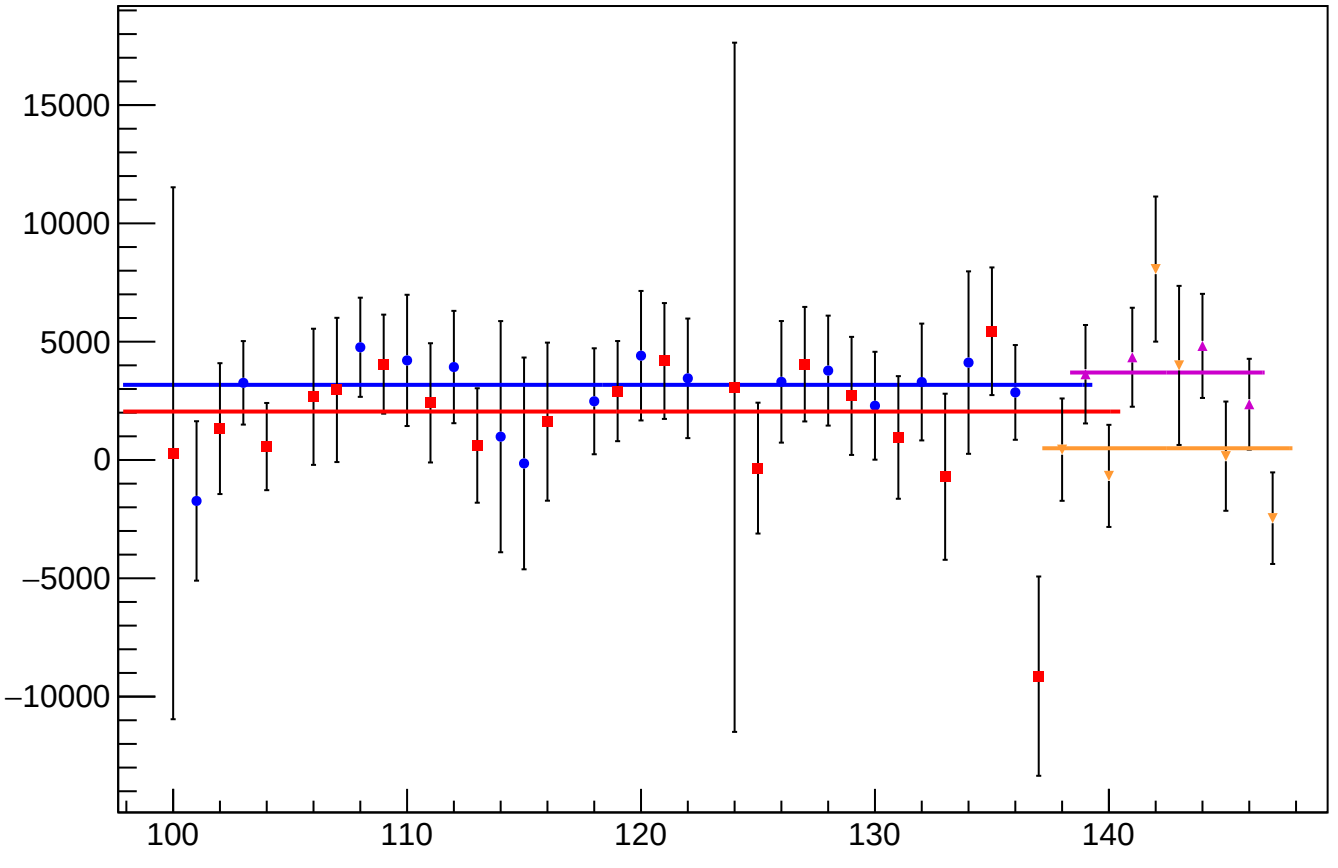
Left: 6748.473+/-1.771 χ^2/NDF: 1455843.7/9

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7539.298+/-1.656 χ^2/NDF:668176.2/19

Out: 6437.838+/-1.376 χ^2/NDF:1787787.6/24

All: 6887.728+/-1.058 χ^2/NDF: 2717688.2/44



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 495.627+/-963.114 χ^2/NDF:9.8/5

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3696.215+/-1032.624 χ^2/NDF:0.8/3

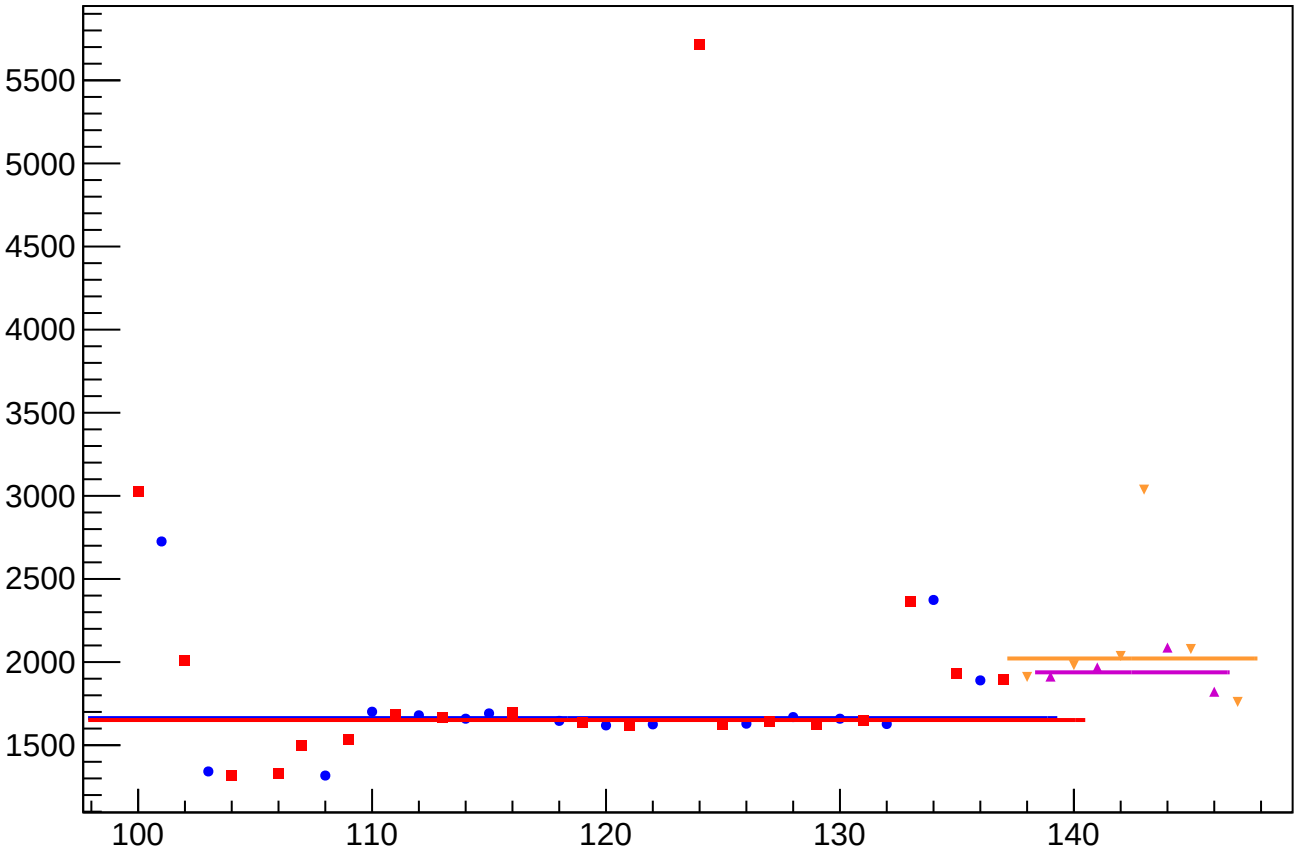
Left: 1984.582+/-704.317 χ^2/NDF: 15.8/9

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3316.226+/-536.559 χ^2/NDF:5.3/19

Out: 1591.058+/-522.210 χ^2/NDF:25.7/24

All: 2430.265+/-374.228 χ^2/NDF: 36.3/44



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 2021.614+/-0.681 χ^2/NDF:226274.9/5

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1938.285+/-0.730 χ^2/NDF:17249.5/3

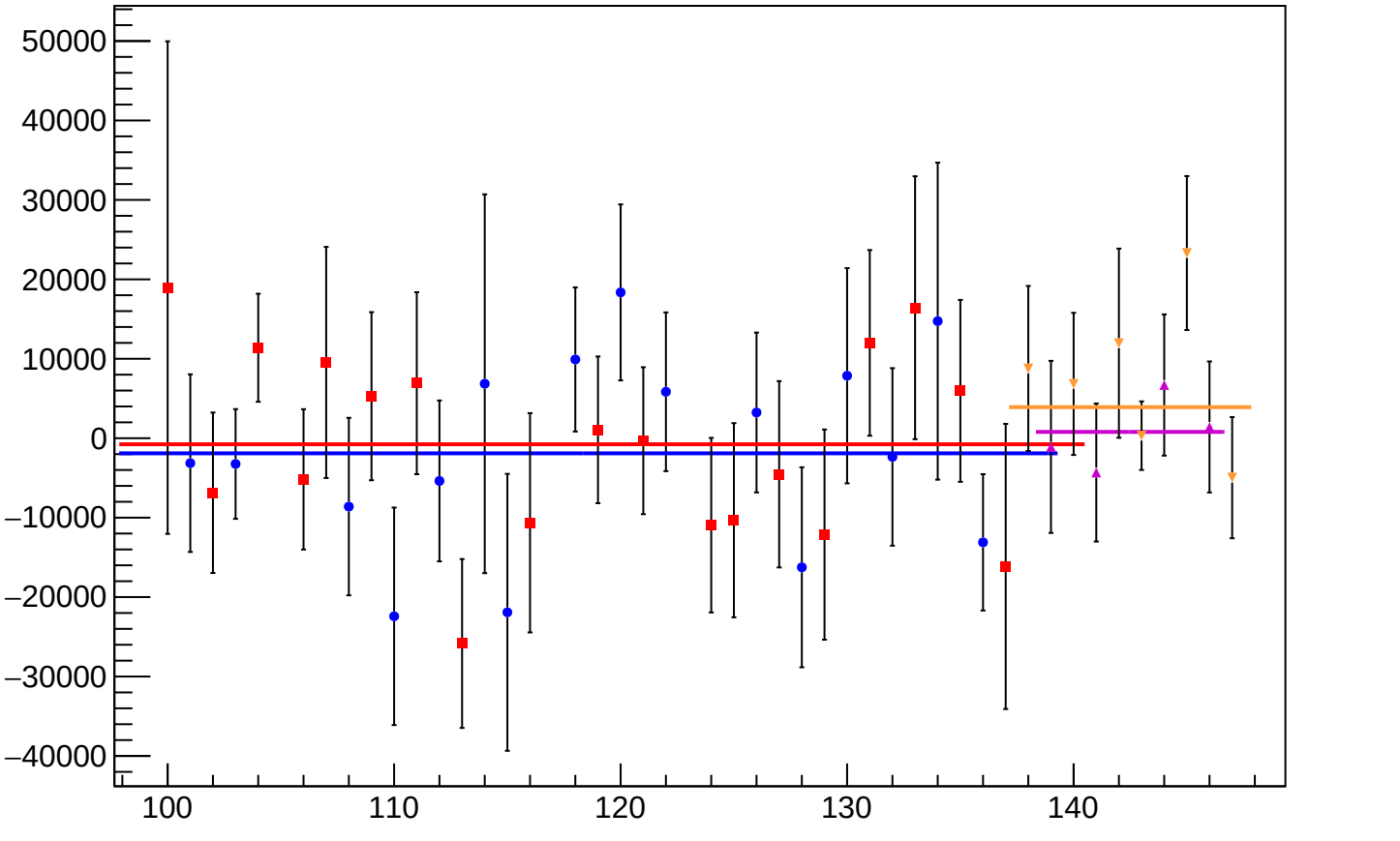
Left: 1982.848+/-0.498 χ^2/NDF: 250489.3/9

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1737.253+/-0.379 χ^2/NDF:536716.6/19

Out: 1760.184+/-0.369 χ^2/NDF:866964.8/24

All: 1749.029+/-0.265 χ^2/NDF: 1405557.4/44



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3911.160+/-3011.168 χ^2/NDF:6.8/5

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 796.935+/-4511.187 χ^2/NDF:0.8/3

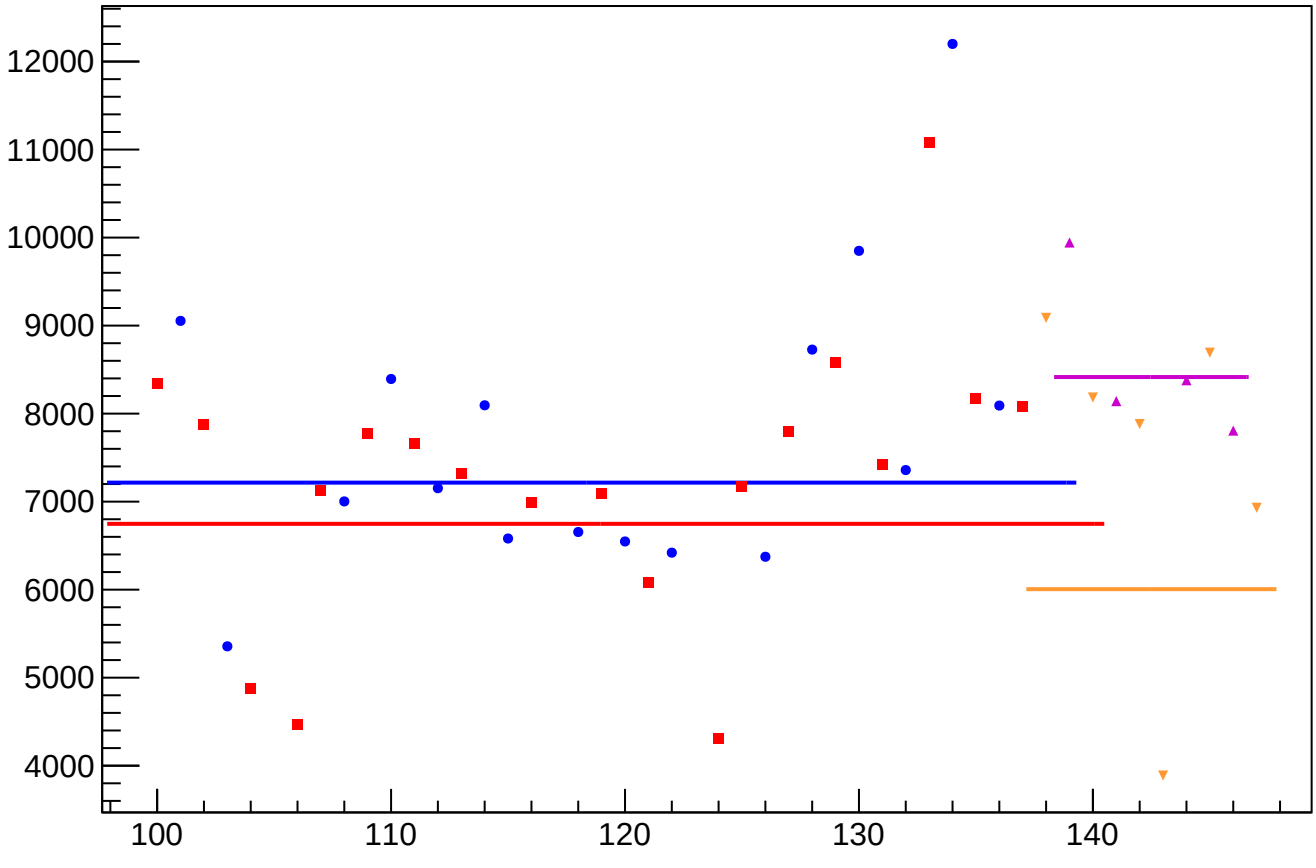
Left: 2951.301+/-2504.492 χ^2/NDF: 8.0/9

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -1173.309+/-2341.844 χ^2/NDF:15.4/19

Out: 1189.349+/-1945.944 χ^2/NDF:25.5/24

All: 224.325+/-1496.672 χ^2/NDF: 41.6/44



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6005.694+/-2.129 χ^2/NDF:1008262.2/5

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8415.611+/-3.190 χ^2/NDF:52741.1/3

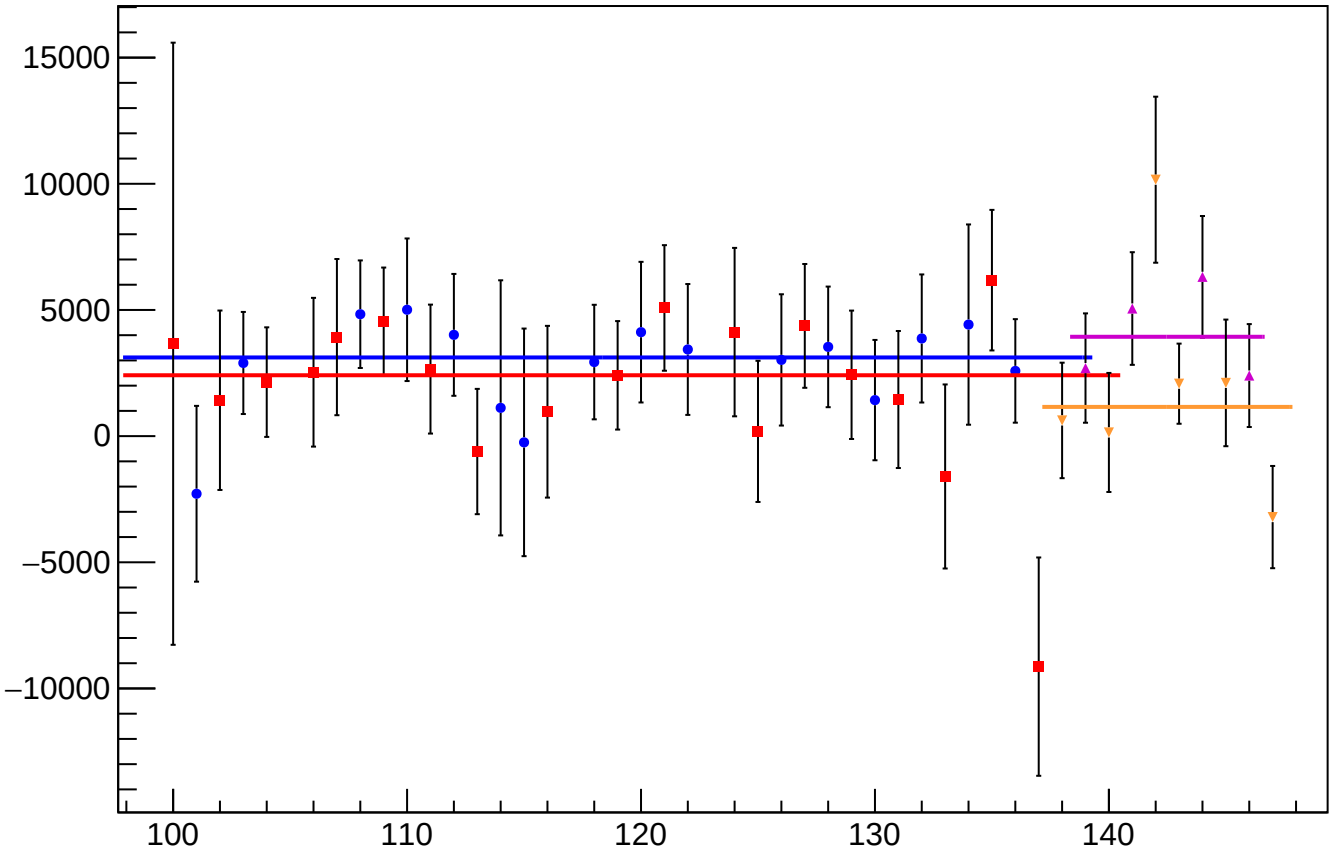
Left: 6748.473+/-1.771 χ^2/NDF: 1455843.7/9

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7539.298+/-1.656 χ^2/NDF:668176.2/19

Out: 6437.838+/-1.376 χ^2/NDF:1787787.6/24

All: 6887.728+/-1.058 χ^2/NDF: 2717688.2/44



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 1157.919+/-890.126 χ^2/NDF:12.9/5

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3937.153+/-1100.091 χ^2/NDF:2.1/3

Left: 2257.558+/-691.976 χ^2/NDF: 18.8/9

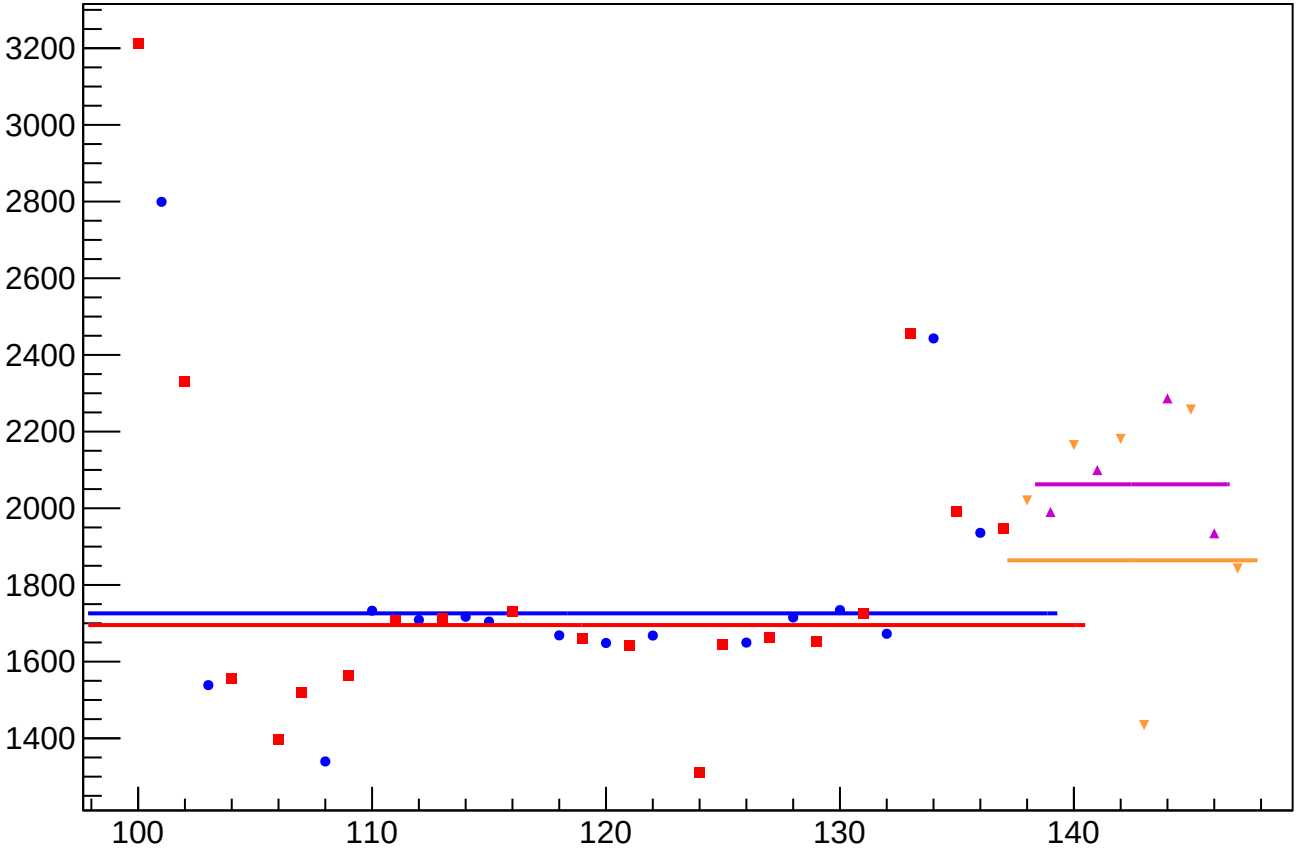
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3330.426+/-560.328 χ^2/NDF:7.8/19

Out: 1985.803+/-519.102 χ^2/NDF:30.2/24

All: 2606.836+/-380.802 χ^2/NDF: 41.1/44

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1864.224+/-0.629 χ^2/NDF:256079.0/5

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 2062.461+/-0.778 χ^2/NDF:27915.4/3

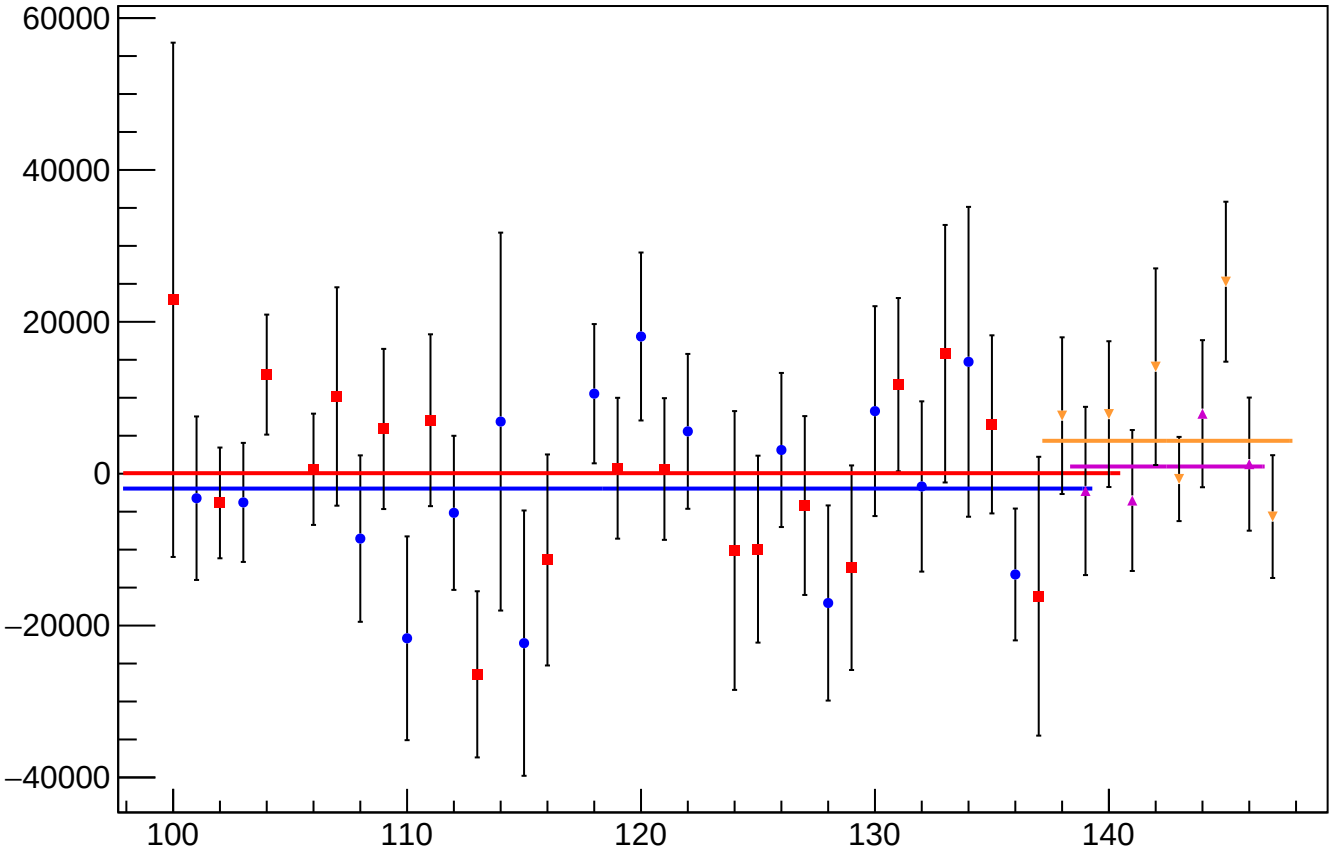
Left: 1942.659+/-0.489 χ^2/NDF: 323242.8/9

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1813.223+/-0.396 χ^2/NDF:532177.4/19

Out: 1752.780+/-0.367 χ^2/NDF:589196.1/24

All: 1780.689+/-0.269 χ^2/NDF: 1133900.1/44



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 4331.587+/-3469.823 χ^2/NDF:7.1/5

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 946.893+/-4798.238 χ^2/NDF:0.8/3

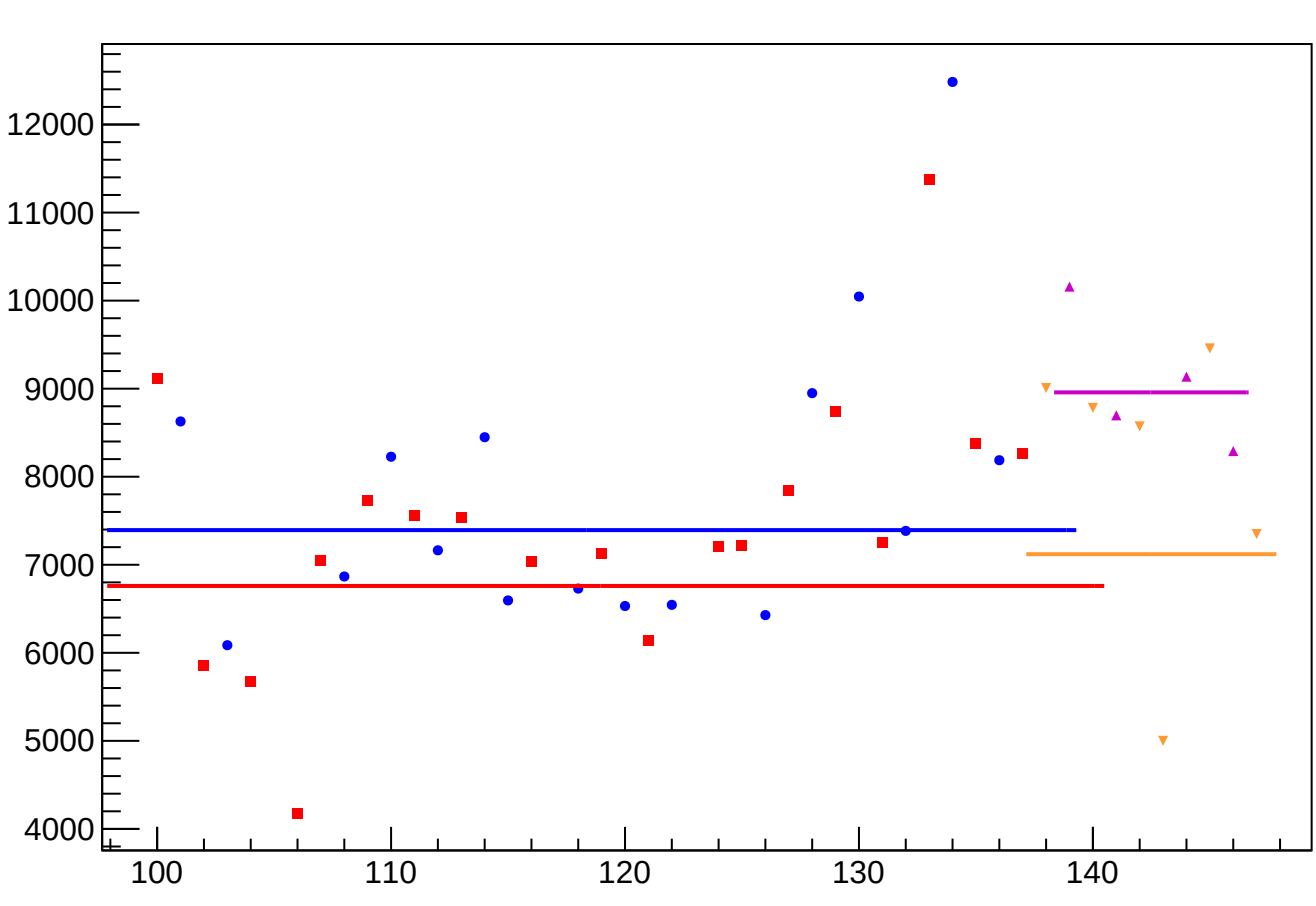
Left: 3169.368+/-2811.681 χ^2/NDF: 8.3/9

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -1221.167+/-2417.265 χ^2/NDF:15.5/19

Out: 1547.673+/-2044.032 χ^2/NDF:24.2/24

All: 393.285+/-1560.814 χ^2/NDF: 40.5/44



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7120.193+/-2.454 χ^2/NDF:544451.2/5

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8957.881+/-3.393 χ^2/NDF:37339.1/3

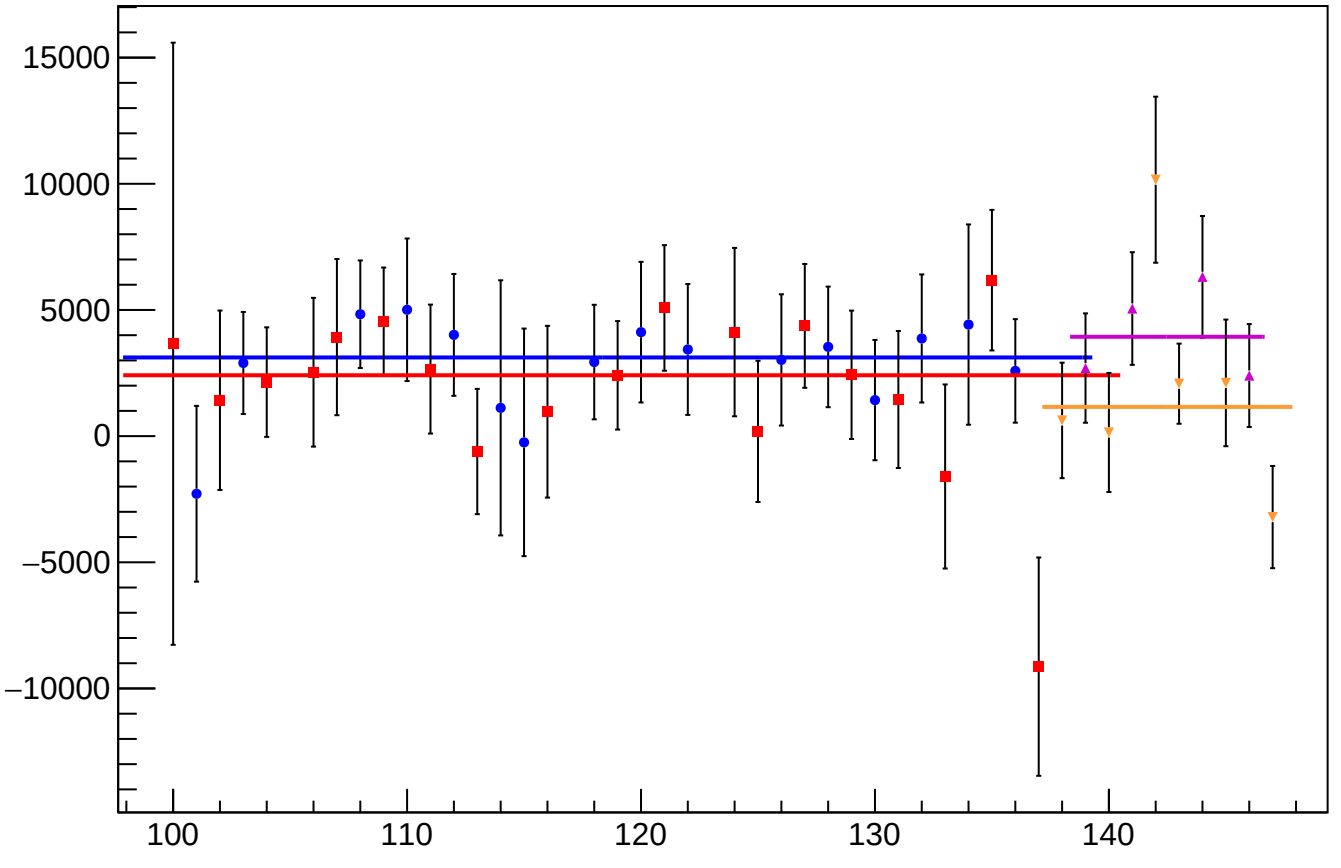
Left: 7751.209+/-1.988 χ^2/NDF: 774421.7/9

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7790.625+/-1.709 χ^2/NDF:597779.6/19

Out: 6884.622+/-1.445 χ^2/NDF:1202859.7/24

All: 7262.354+/-1.104 χ^2/NDF: 1964459.7/44



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 1157.922+/-890.127 χ^2/NDF:12.9/5

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3937.144+/-1100.093 χ^2/NDF:2.1/3

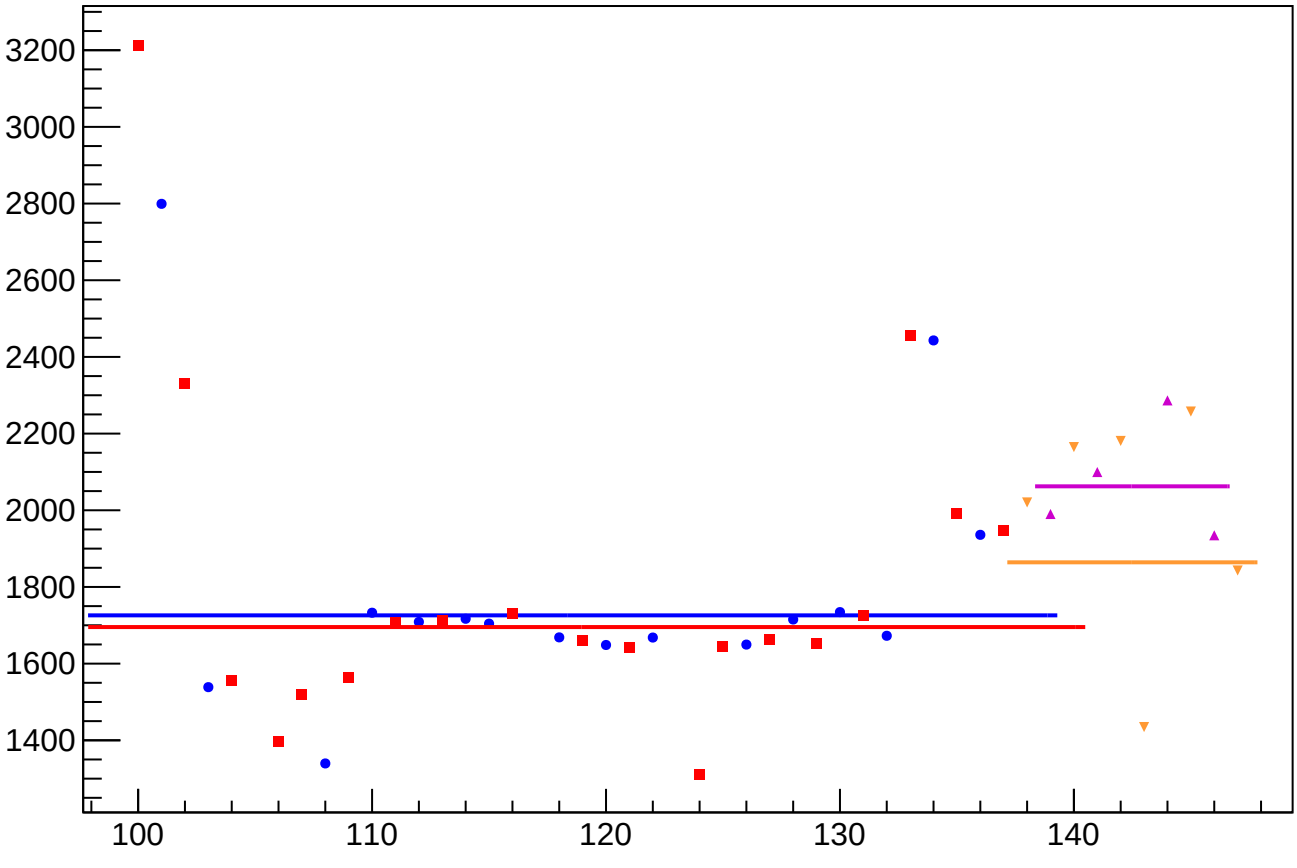
Left: 2257.556+/-691.977 χ^2/NDF: 18.8/9

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3330.425+/-560.328 χ^2/NDF:7.8/19

Out: 1985.810+/-519.103 χ^2/NDF:30.2/24

All: 2606.839+/-380.802 χ^2/NDF: 41.1/44



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1864.226+/-0.629 χ^2/NDF:256079.4/5

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 2062.464+/-0.778 χ^2/NDF:27915.4/3

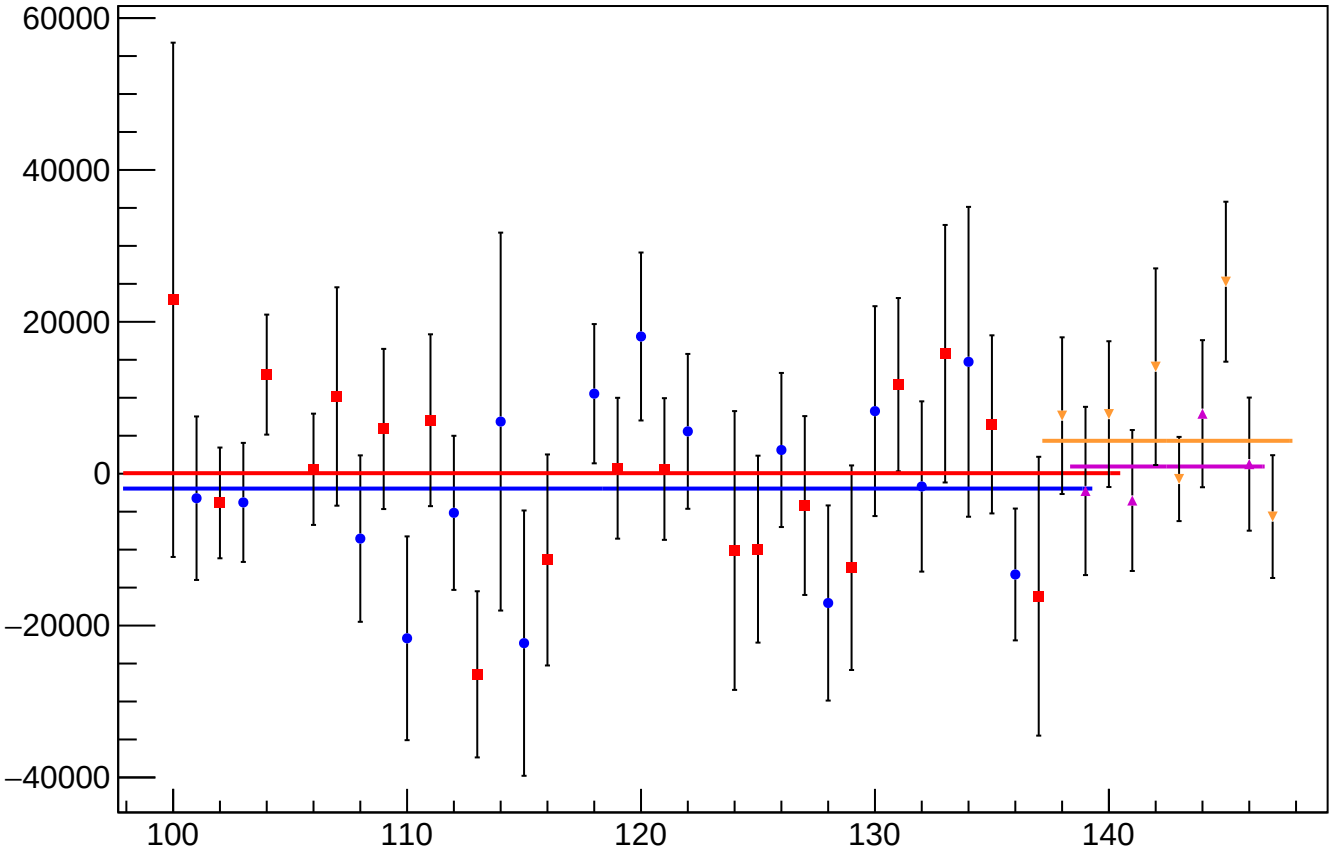
Left: 1942.661+/-0.489 χ^2/NDF: 323243.4/9

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1813.223+/-0.396 χ^2/NDF:532180.3/19

Out: 1752.780+/-0.367 χ^2/NDF:589198.3/24

All: 1780.690+/-0.269 χ^2/NDF: 1133905.1/44



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 4331.586+/-3469.829 χ^2/NDF:7.1/5

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 946.883+/-4798.246 χ^2/NDF:0.8/3

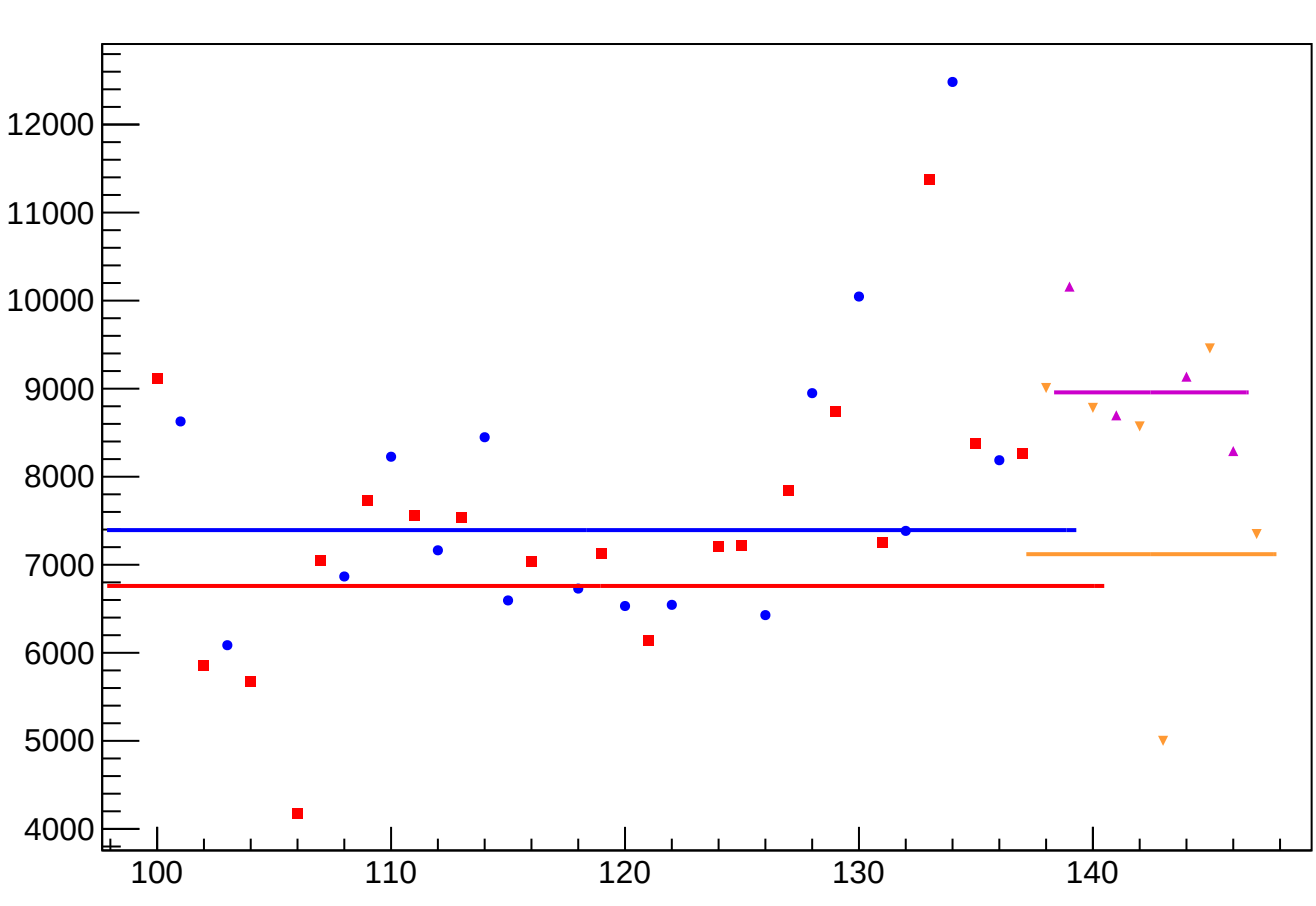
Left: 3169.364+/-2811.686 χ^2/NDF: 8.3/9

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -1221.158+/-2417.262 χ^2/NDF:15.5/19

Out: 1547.670+/-2044.030 χ^2/NDF:24.2/24

All: 393.287+/-1560.813 χ^2/NDF: 40.5/44



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7120.205+/-2.454 χ^2/NDF:544451.4/5

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 8957.895+/-3.393 χ^2/NDF:37339.6/3

Left: 7751.222+/-1.988 χ^2/NDF: 774422.4/9

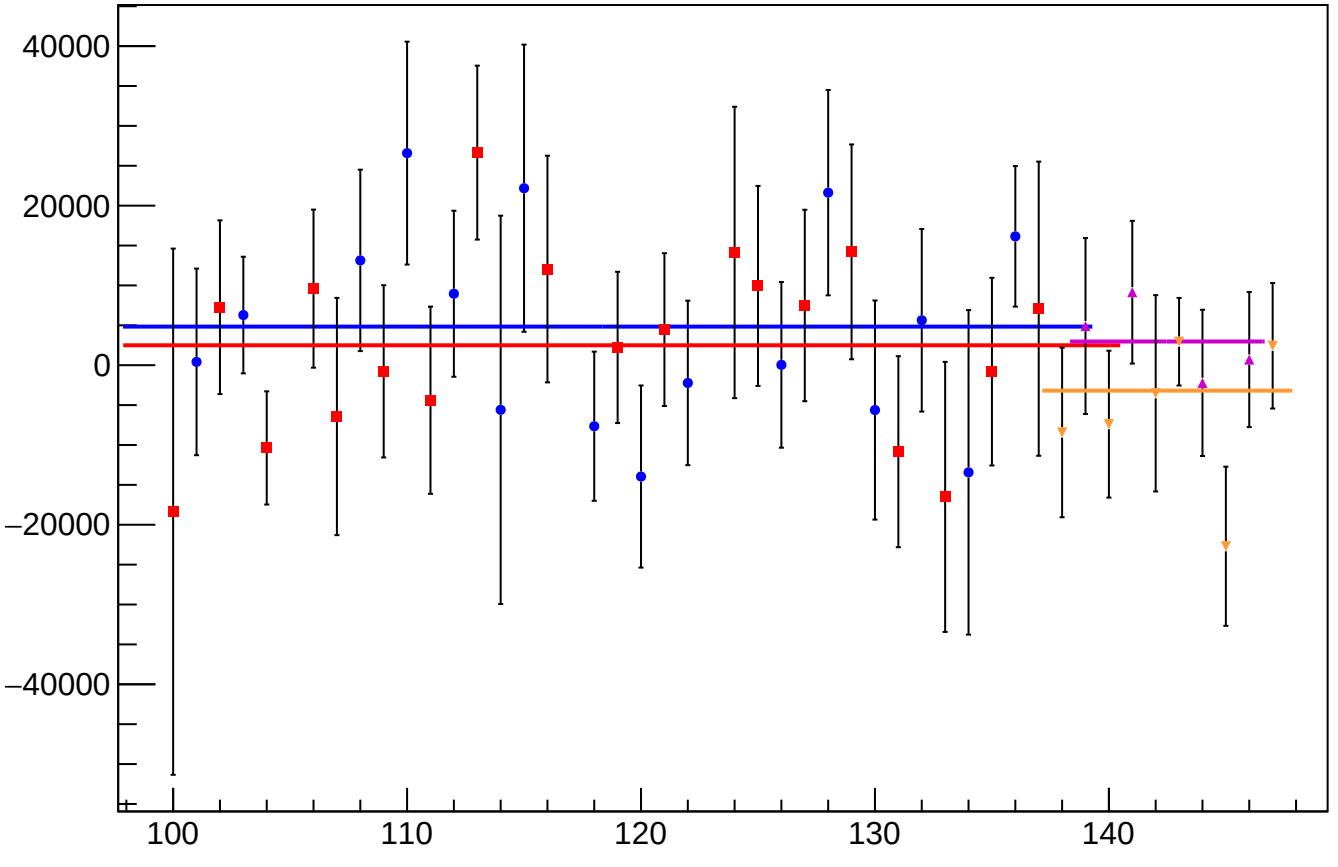
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7790.614+/-1.709 χ^2/NDF:597788.6/19

Out: 6884.616+/-1.445 χ^2/NDF:1202860.8/24

All: 7262.346+/-1.104 χ^2/NDF: 1964468.1/44

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -3187.580+/-3397.779 χ^2/NDF:6.0/5

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 2970.354+/-4634.848 χ^2/NDF:0.9/3

Left: -1034.997+/-2740.299 χ^2/NDF: 8.1/9

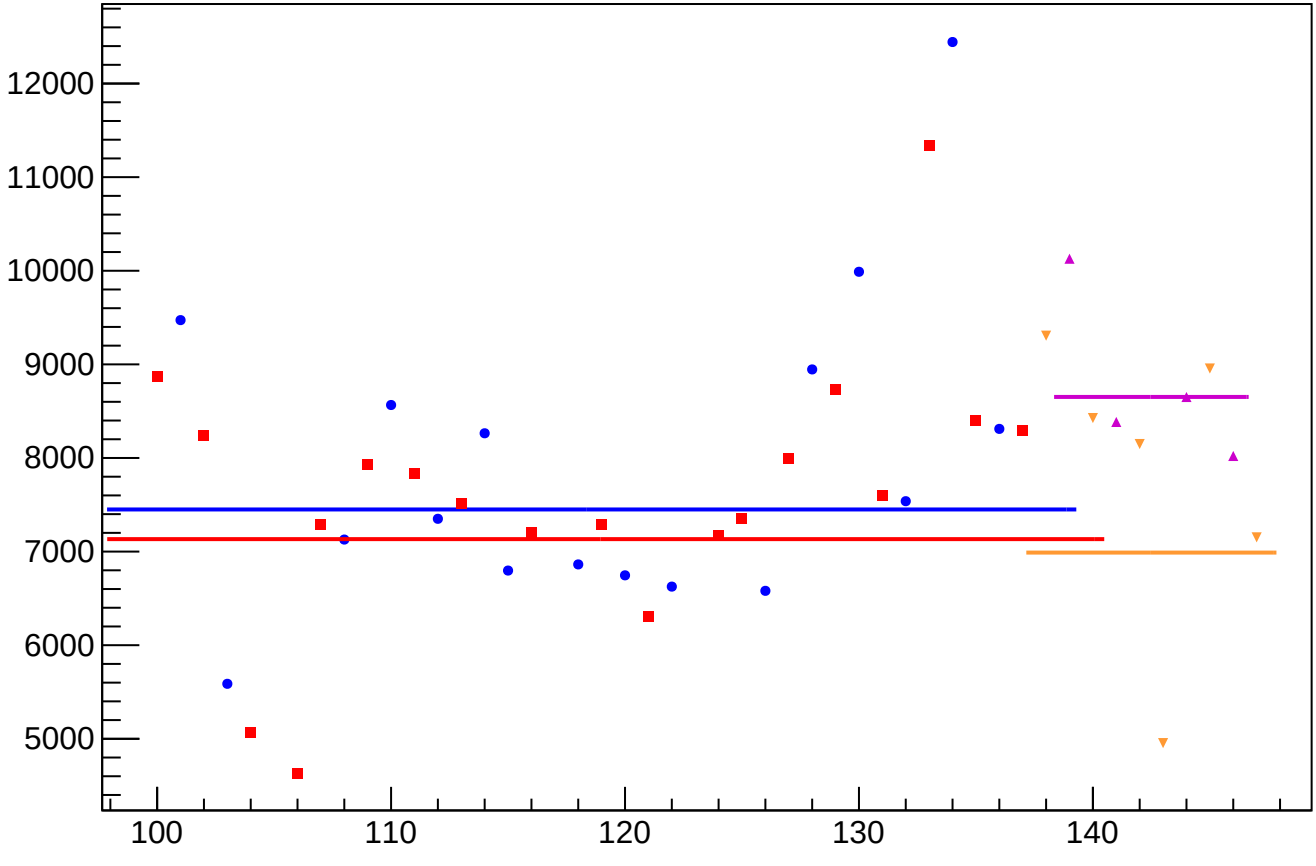
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 4330.949+/-2414.673 χ^2/NDF:15.3/19

Out: 300.556+/-2111.718 χ^2/NDF:22.7/24

All: 2047.198+/-1589.595 χ^2/NDF: 39.6/44

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 6989.357+/-2.403 χ^2/NDF:514936.9/5

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8652.168+/-3.277 χ^2/NDF:48707.2/3

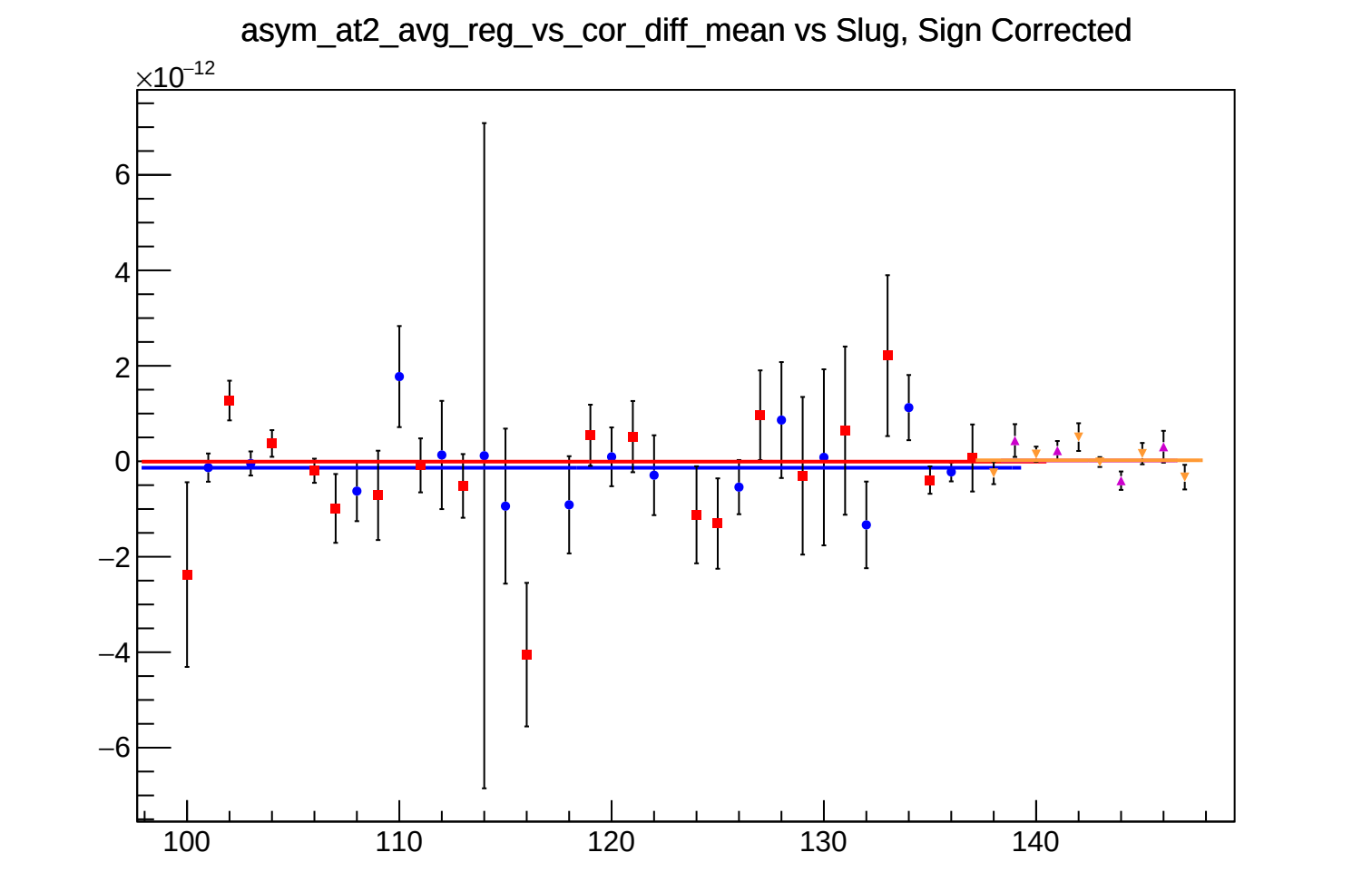
Left: 7570.613+/-1.938 χ^2/NDF: 731080.8/9

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7776.280+/-1.707 χ^2/NDF:633169.2/19

Out: 7077.591+/-1.493 χ^2/NDF:1074127.3/24

All: 7380.368+/-1.124 χ^2/NDF: 1802182.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/3

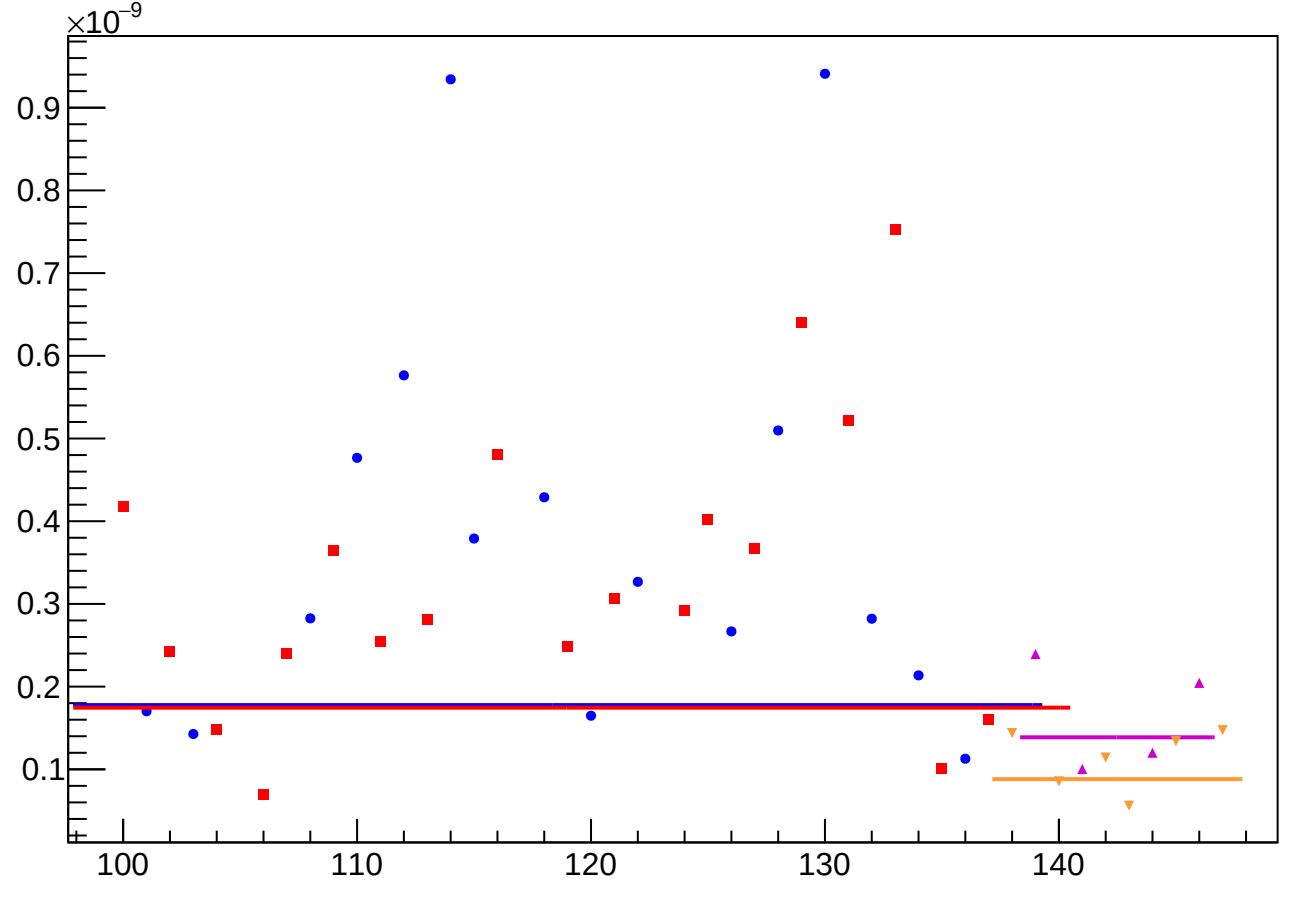
Left: 0.000+/-0.000 χ^2/NDF: 15.2/9

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:20.5/19

Out: 0.000+/-0.000 χ^2/NDF:39.9/24

All: -0.000+/-0.000 χ^2/NDF: 60.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:512596.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:341704.6/3

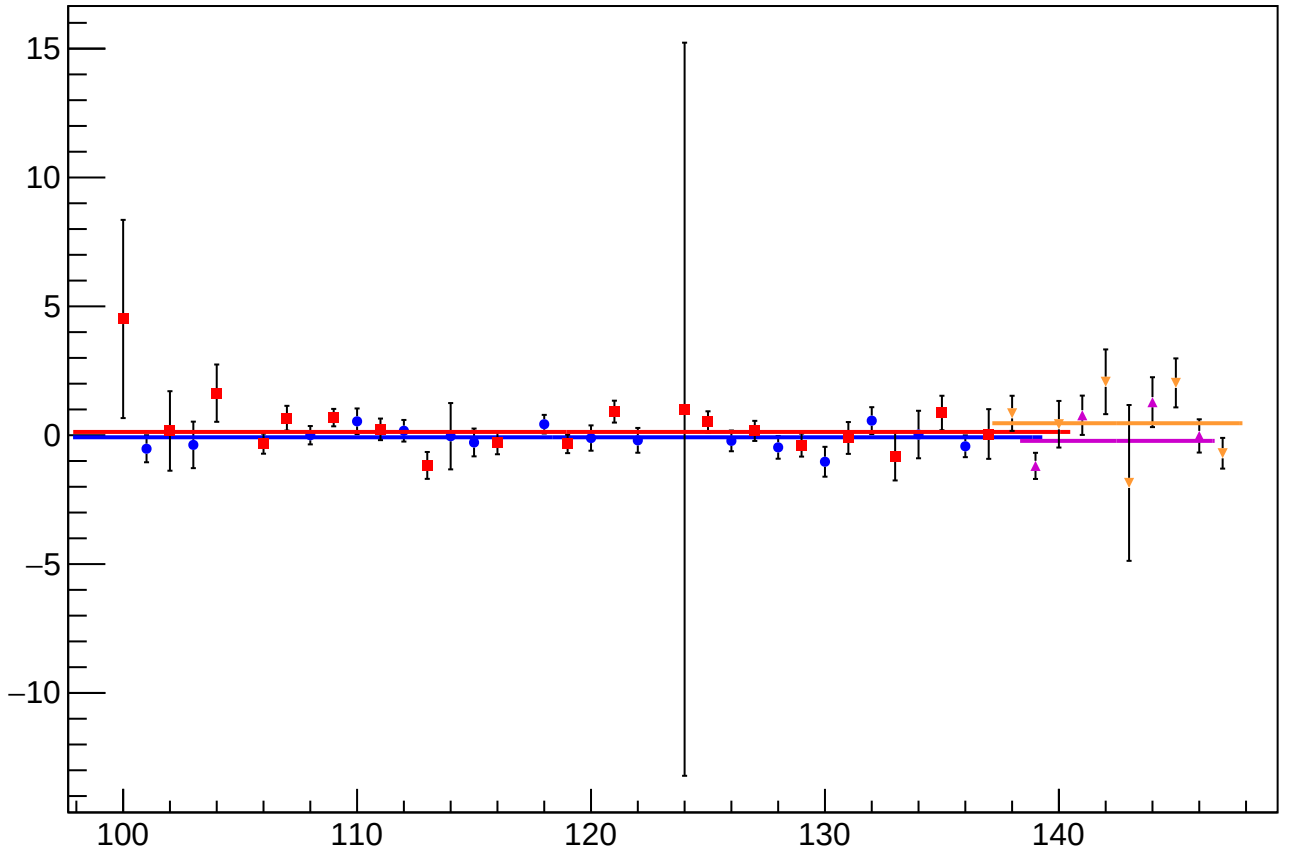
Left: 0.000+/-0.000 χ^2/NDF: 1115587.9/9

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:1977072.6/19

Out: 0.000+/-0.000 χ^2/NDF:2893727.6/24

All: 0.000+/-0.000 χ^2/NDF: 5297789.3/44



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.465+/-0.353 χ^2/NDF:9.1/5

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.219+/-0.332 χ^2/NDF:7.9/3

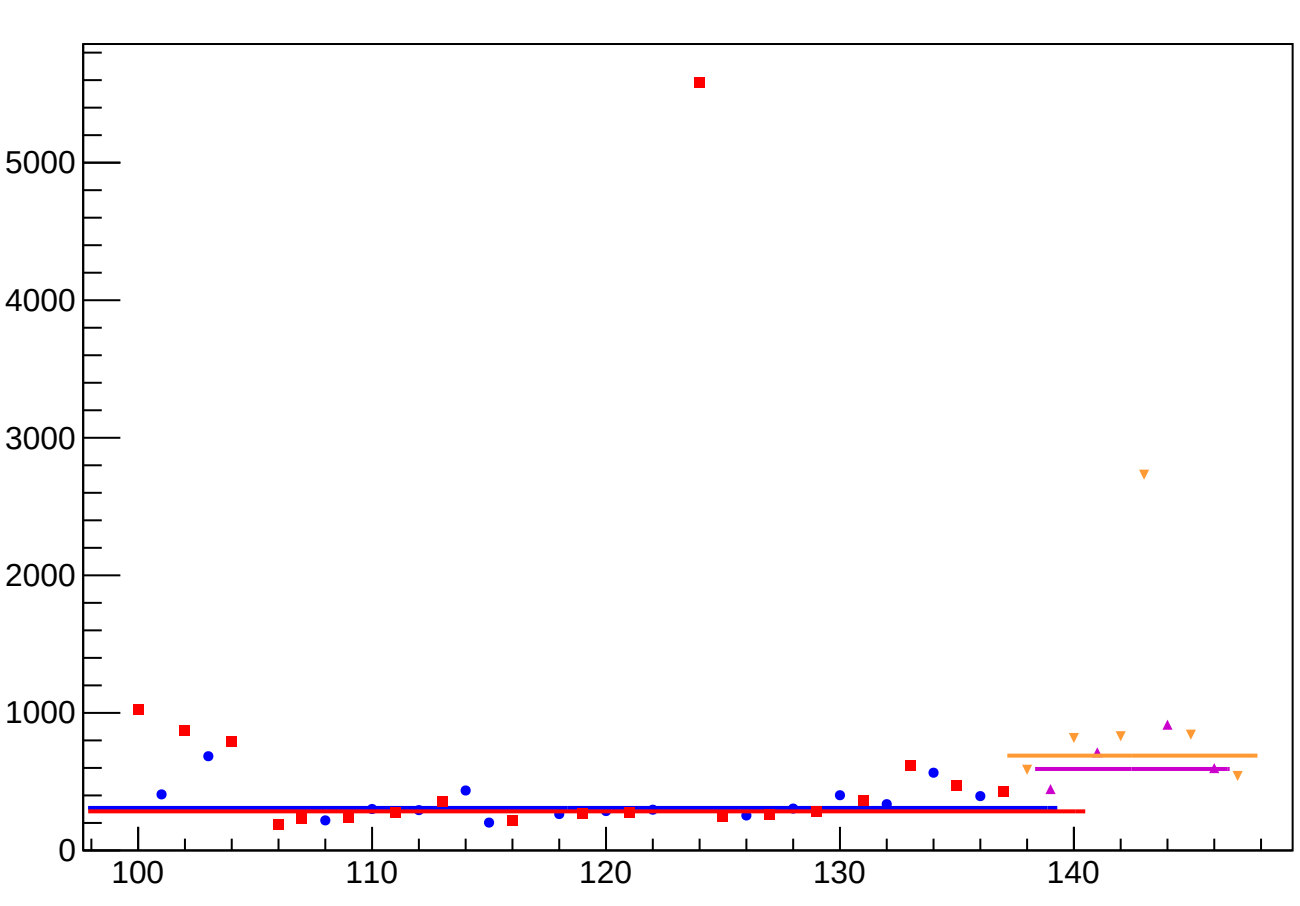
Left: 0.102+/-0.242 χ^2/NDF: 18.9/9

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.096+/-0.114 χ^2/NDF:18.8/19

Out: 0.161+/-0.111 χ^2/NDF:35.2/24

All: 0.036+/-0.080 χ^2/NDF: 56.6/44



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 689.339+/-0.249 χ^2/NDF:1197766.5/5

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.359+/-0.235 χ^2/NDF:437504.6/3

Left: 637.915+/-0.171 χ^2/NDF: 1715471.9/9

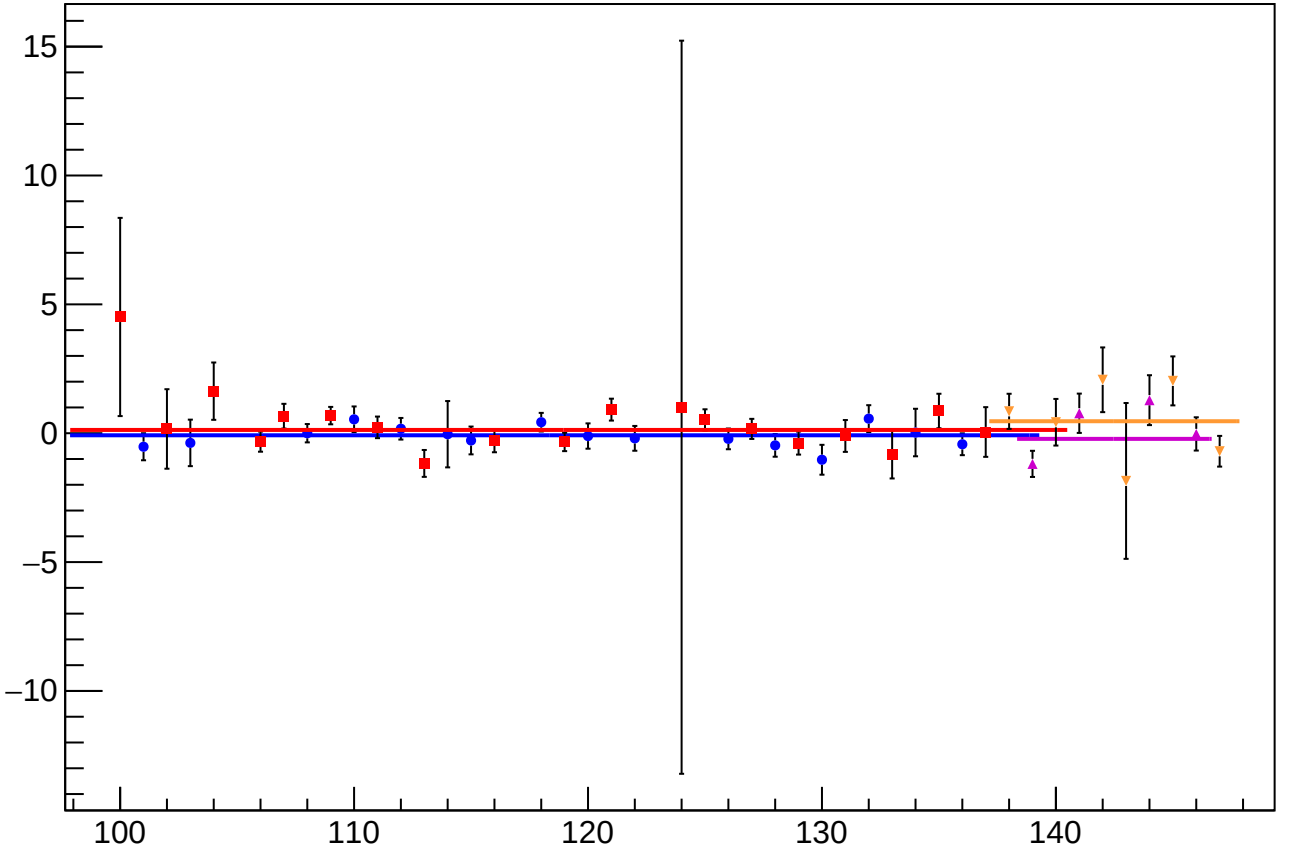
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 342.742+/-0.081 χ^2/NDF:2735685.5/19

Out: 324.307+/-0.078 χ^2/NDF:5432585.3/24

All: 333.244+/-0.056 χ^2/NDF: 8195027.8/44

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: 0.465+/-0.353 χ^2/NDF:9.1/5

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.219+/-0.332 χ^2/NDF:7.9/3

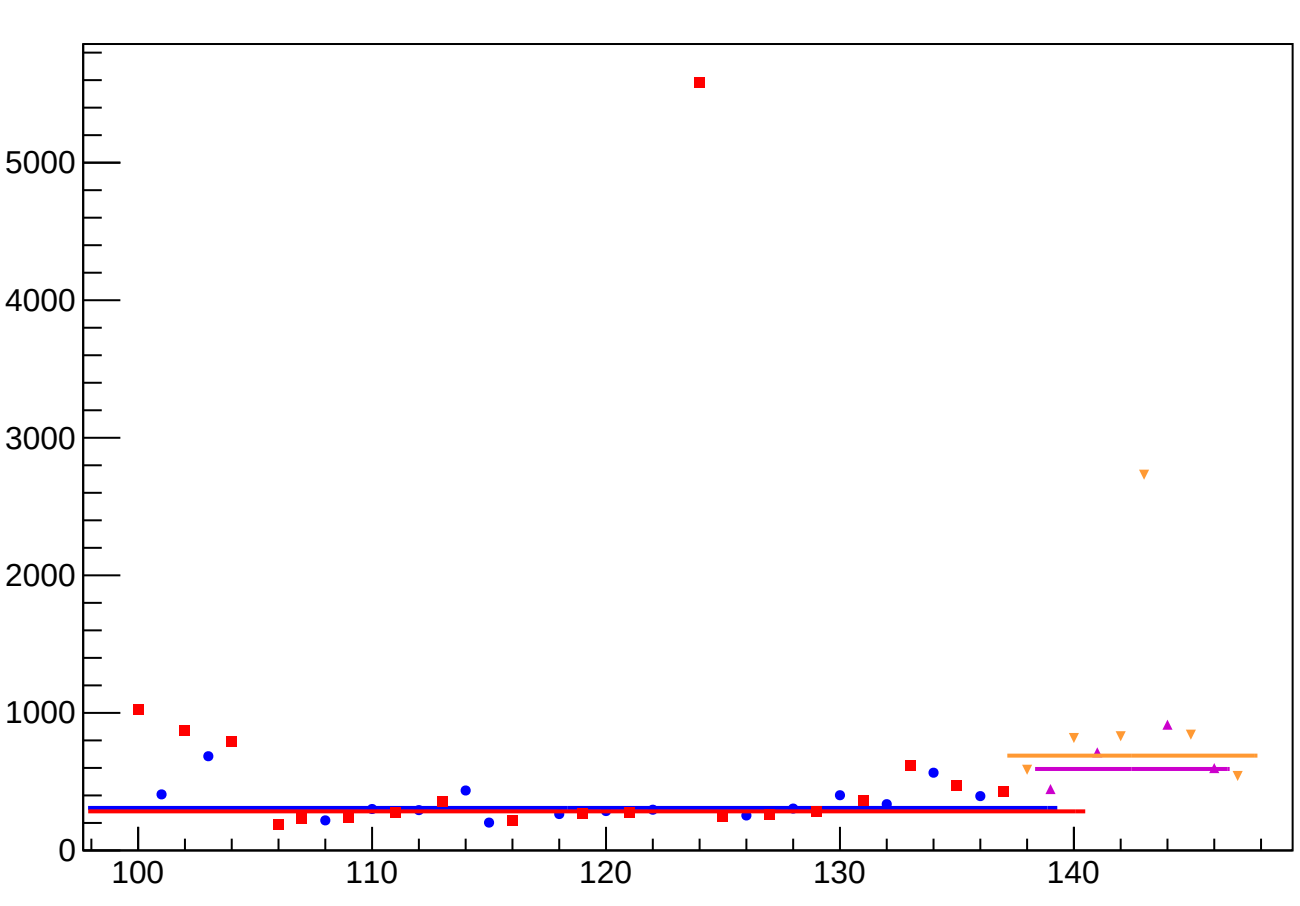
Left: 0.102+/-0.242 χ^2/NDF: 18.9/9

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.096+/-0.114 χ^2/NDF:18.8/19

Out: 0.161+/-0.111 χ^2/NDF:35.2/24

All: 0.036+/-0.080 χ^2/NDF: 56.6/44



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 689.339+/-0.249 χ^2/NDF:1197766.5/5

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.359+/-0.235 χ^2/NDF:437504.6/3

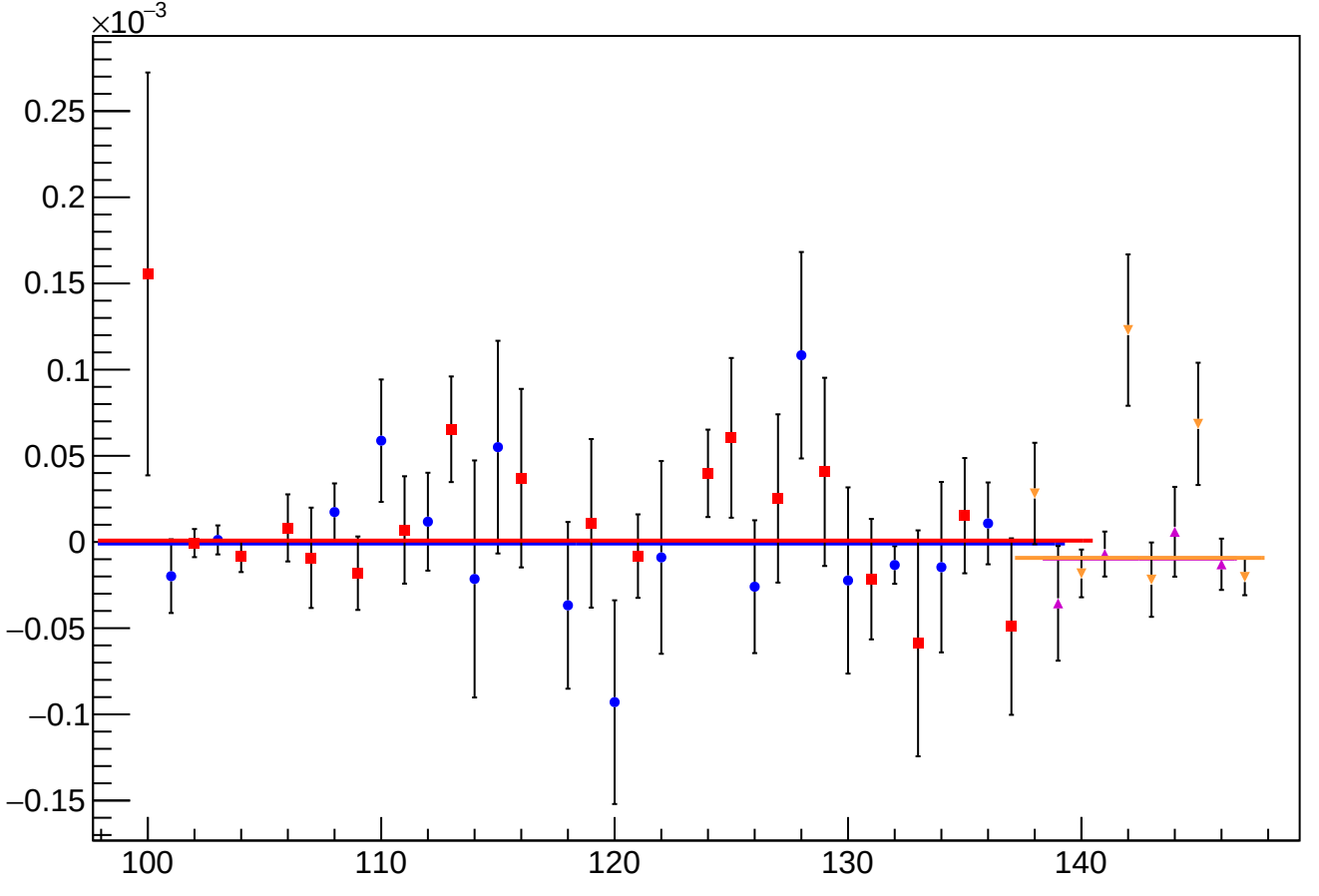
Left: 637.915+/-0.171 χ^2/NDF: 1715471.9/9

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 342.742+/-0.081 χ^2/NDF:2735685.5/19

Out: 324.307+/-0.078 χ^2/NDF:5432585.3/24

All: 333.244+/-0.056 χ^2/NDF: 8195027.8/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

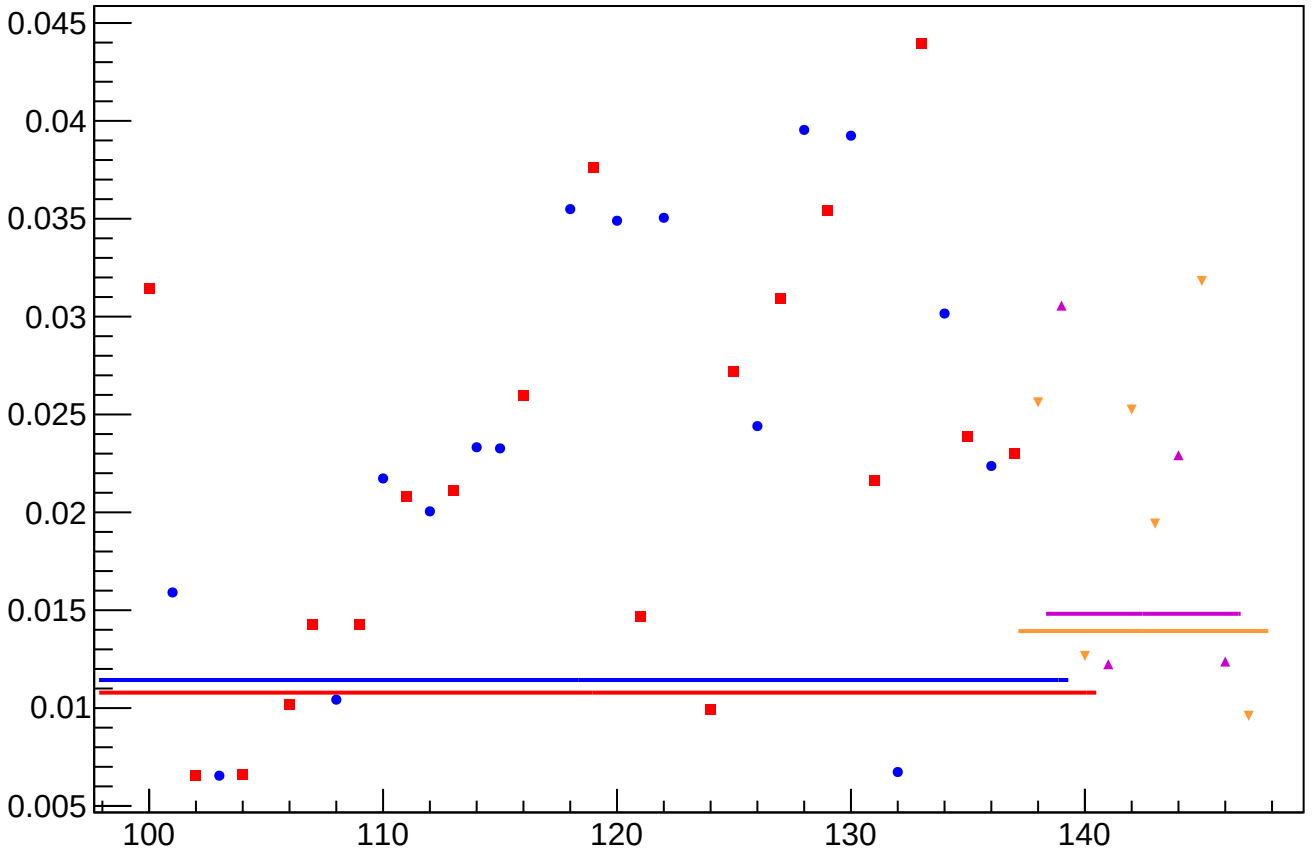
Left: -0.000+/-0.000 χ^2/NDF: 18.4/9

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:16.3/19

Out: -0.000+/-0.000 χ^2/NDF:34.8/24

All: -0.000+/-0.000 χ^2/NDF: 51.1/44



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.014+/-0.000 χ^2/NDF:1438579.7/5

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.015+/-0.000 χ^2/NDF:773549.3/3

Left: 0.014+/-0.000 χ^2/NDF: 2223988.4/9

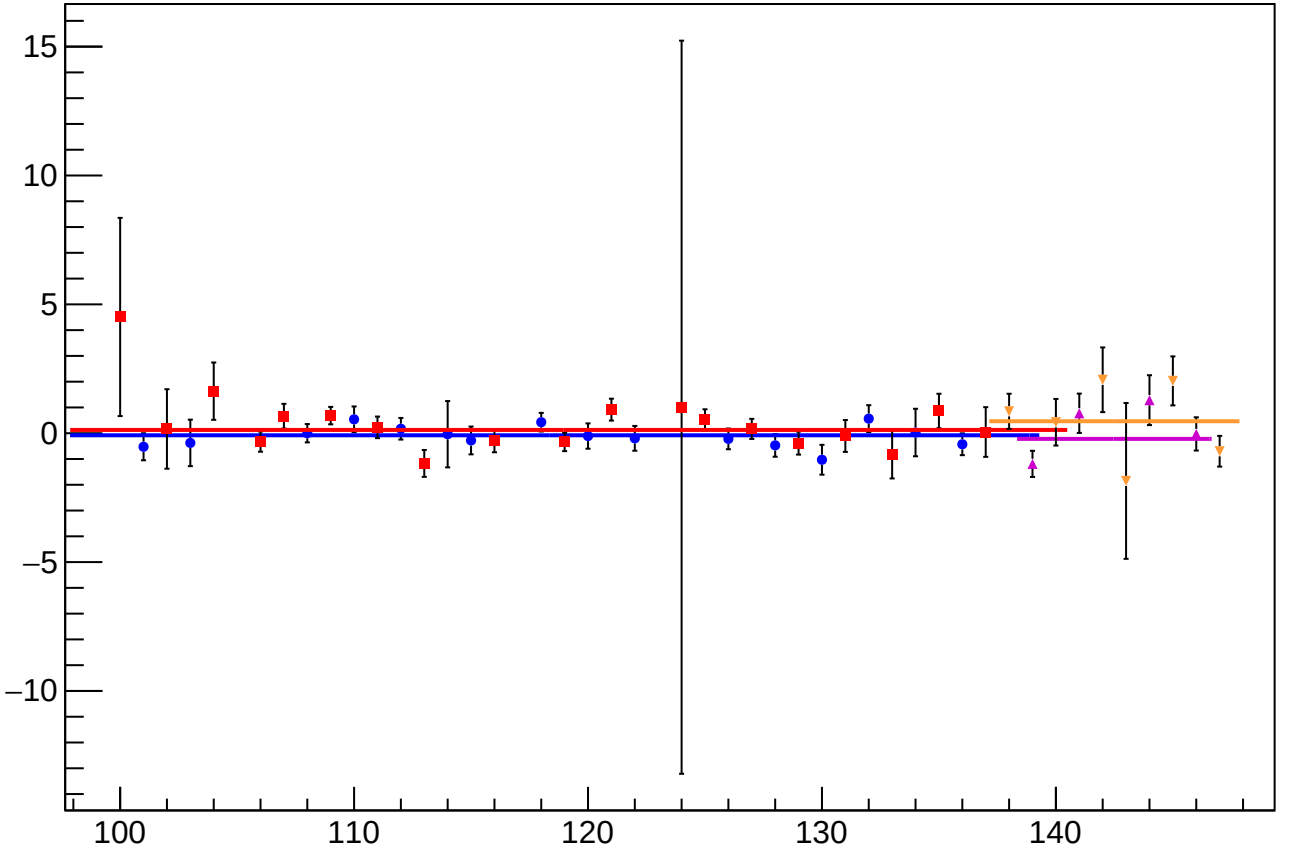
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:5688316.3/19

Out: 0.012+/-0.000 χ^2/NDF:6170505.0/24

All: 0.012+/-0.000 χ^2/NDF: 11877091.1/44

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: 0.466+/-0.353 χ^2/NDF:9.1/5

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.219+/-0.332 χ^2/NDF:7.9/3

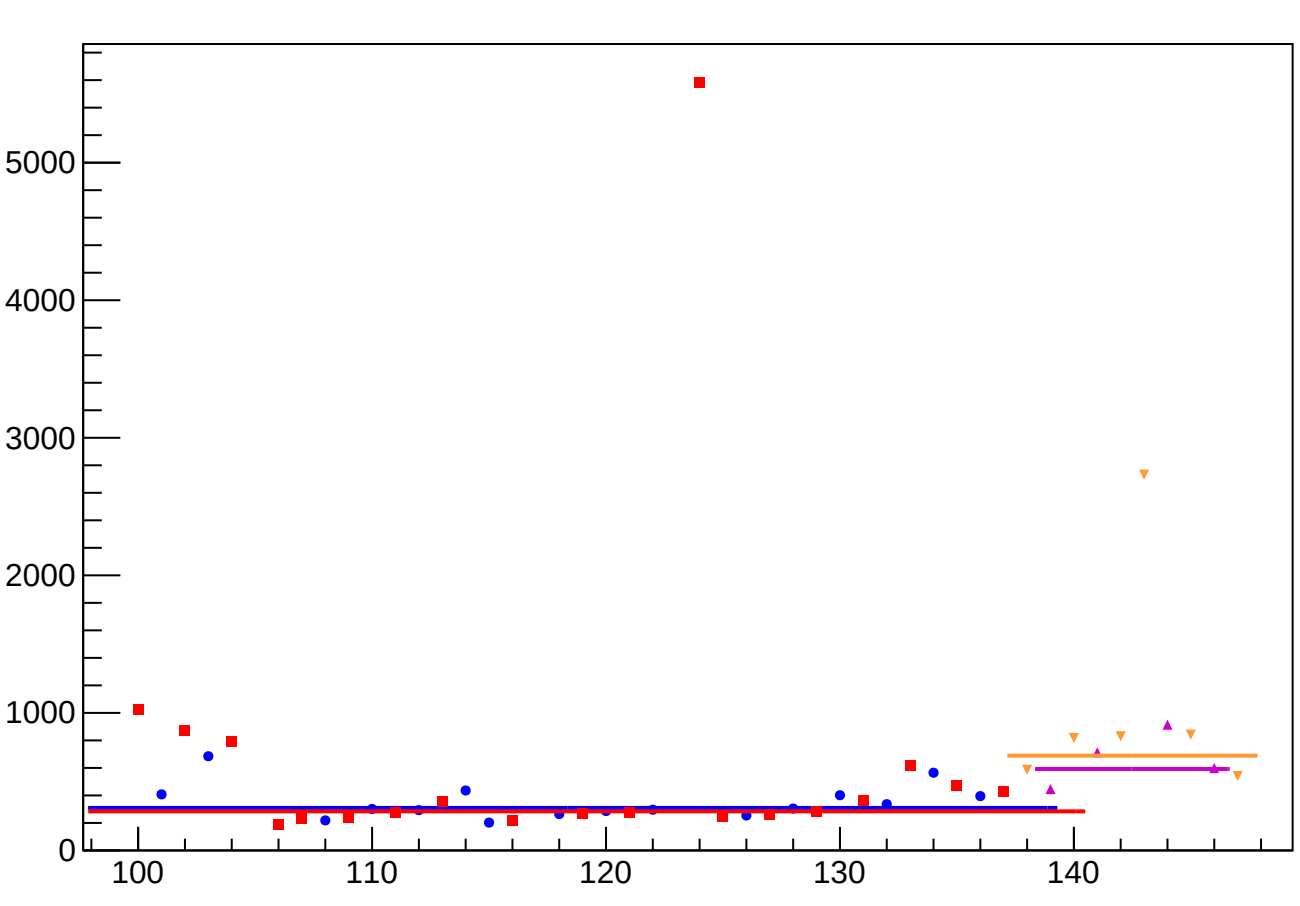
Left: 0.102+/-0.242 χ^2/NDF: 18.9/9

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.096+/-0.114 χ^2/NDF:18.8/19

Out: 0.161+/-0.111 χ^2/NDF:35.2/24

All: 0.036+/-0.080 χ^2/NDF: 56.6/44



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 689.346+/-0.249 χ^2/NDF:1197765.0/5

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.369+/-0.235 χ^2/NDF:437487.7/3

Left: 637.924+/-0.171 χ^2/NDF: 1715447.3/9

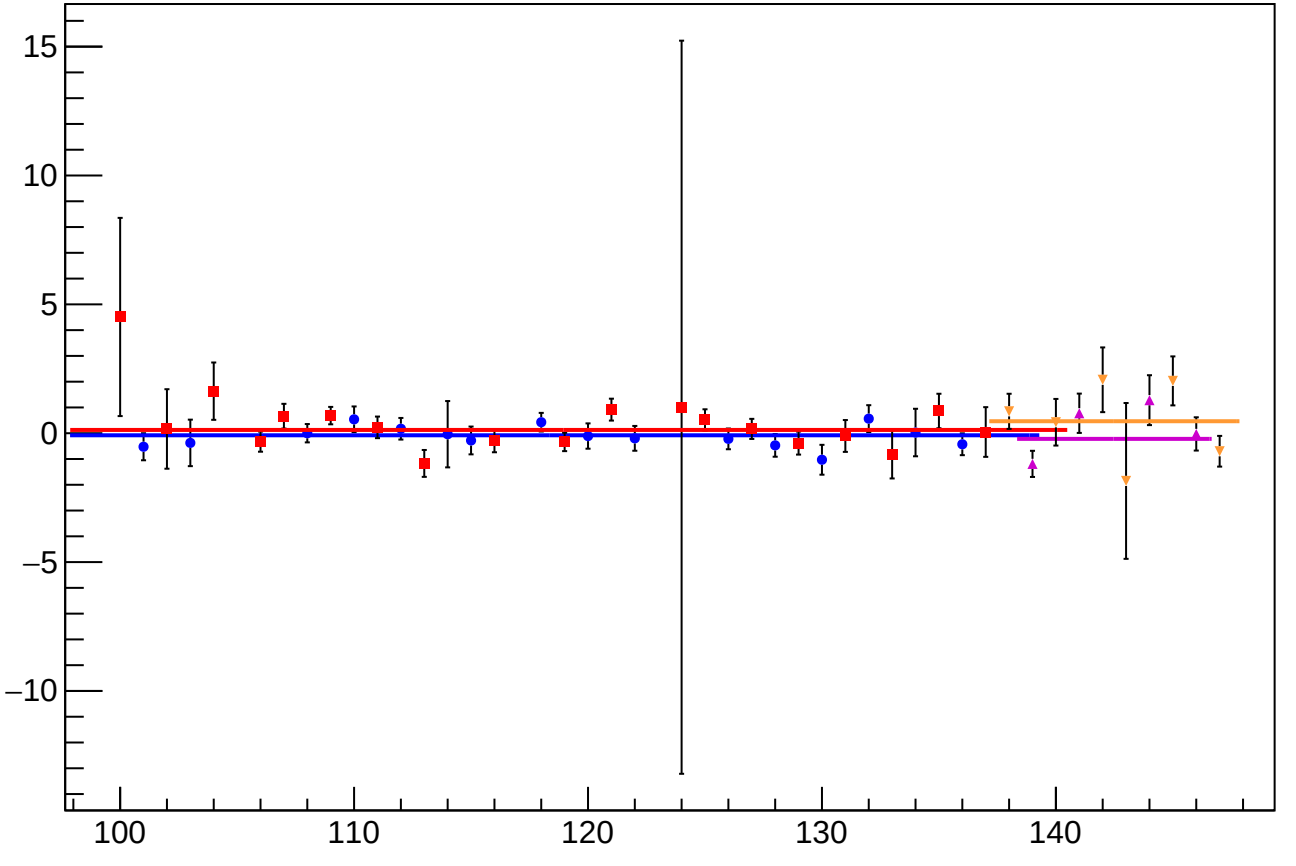
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 342.741+/-0.081 χ^2/NDF:2735699.2/19

Out: 324.306+/-0.078 χ^2/NDF:5432617.8/24

All: 333.243+/-0.056 χ^2/NDF: 8195074.6/44

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: 0.466+/-0.353 χ^2/NDF:9.1/5

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.219+/-0.332 χ^2/NDF:7.9/3

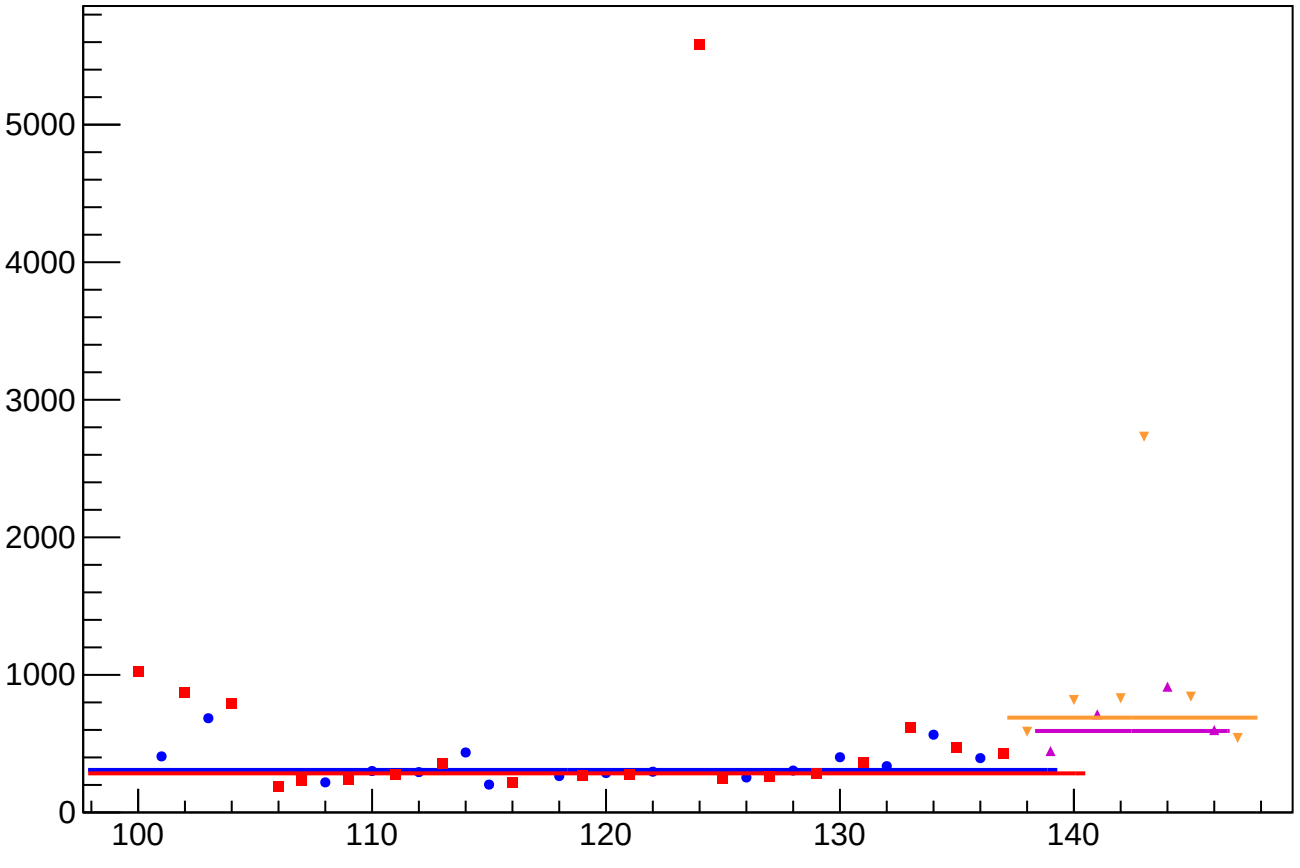
Left: 0.102+/-0.242 χ^2/NDF: 18.9/9

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.096+/-0.114 χ^2/NDF:18.8/19

Out: 0.161+/-0.111 χ^2/NDF:35.2/24

All: 0.036+/-0.080 χ^2/NDF: 56.6/44



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 689.346+/-0.249 χ^2/NDF:1197765.0/5

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.369+/-0.235 χ^2/NDF:437487.7/3

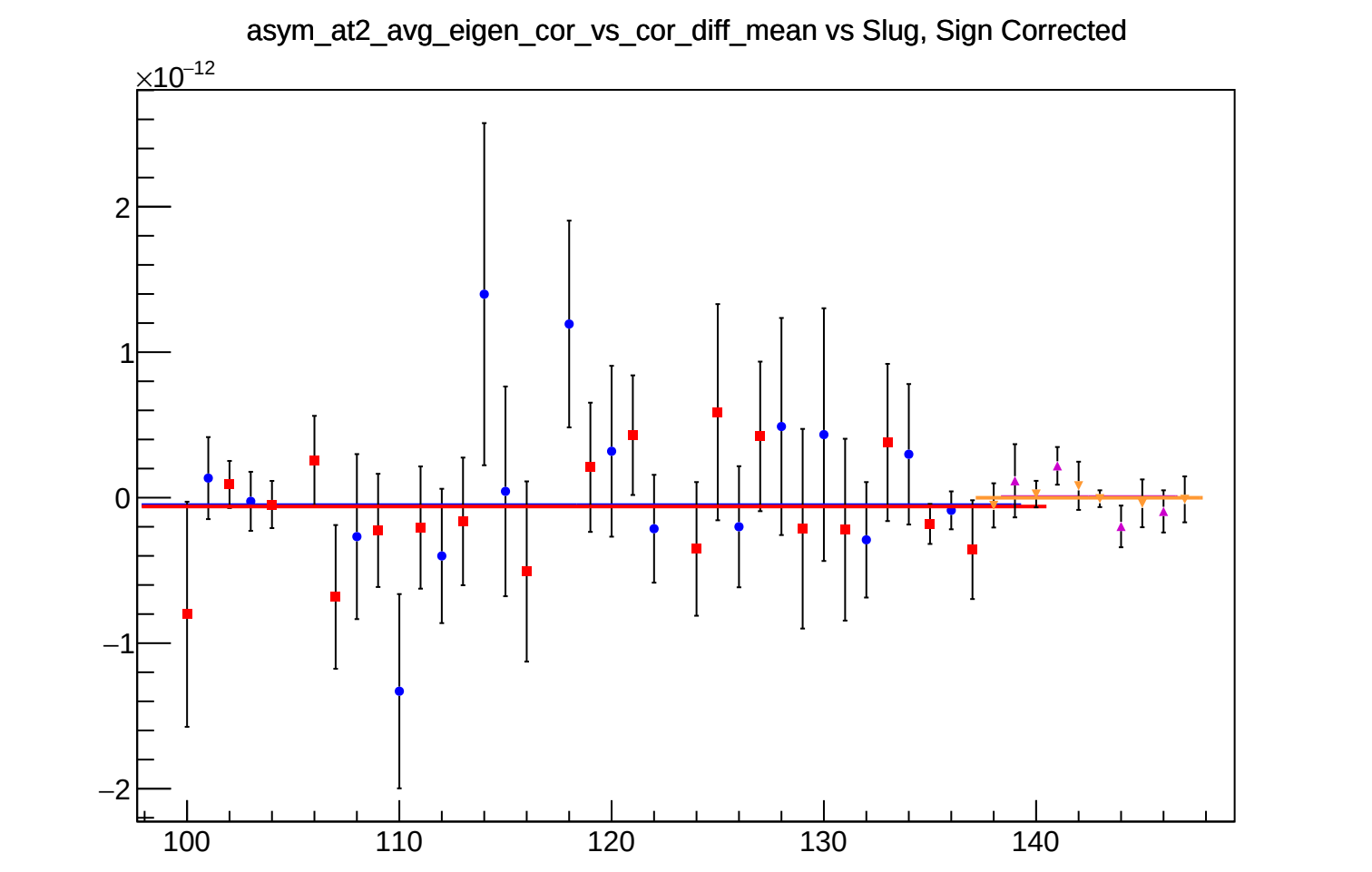
Left: 637.924+/-0.171 χ^2/NDF: 1715447.3/9

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 342.741+/-0.081 χ^2/NDF:2735699.2/19

Out: 324.306+/-0.078 χ^2/NDF:5432617.8/24

All: 333.243+/-0.056 χ^2/NDF: 8195074.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/3

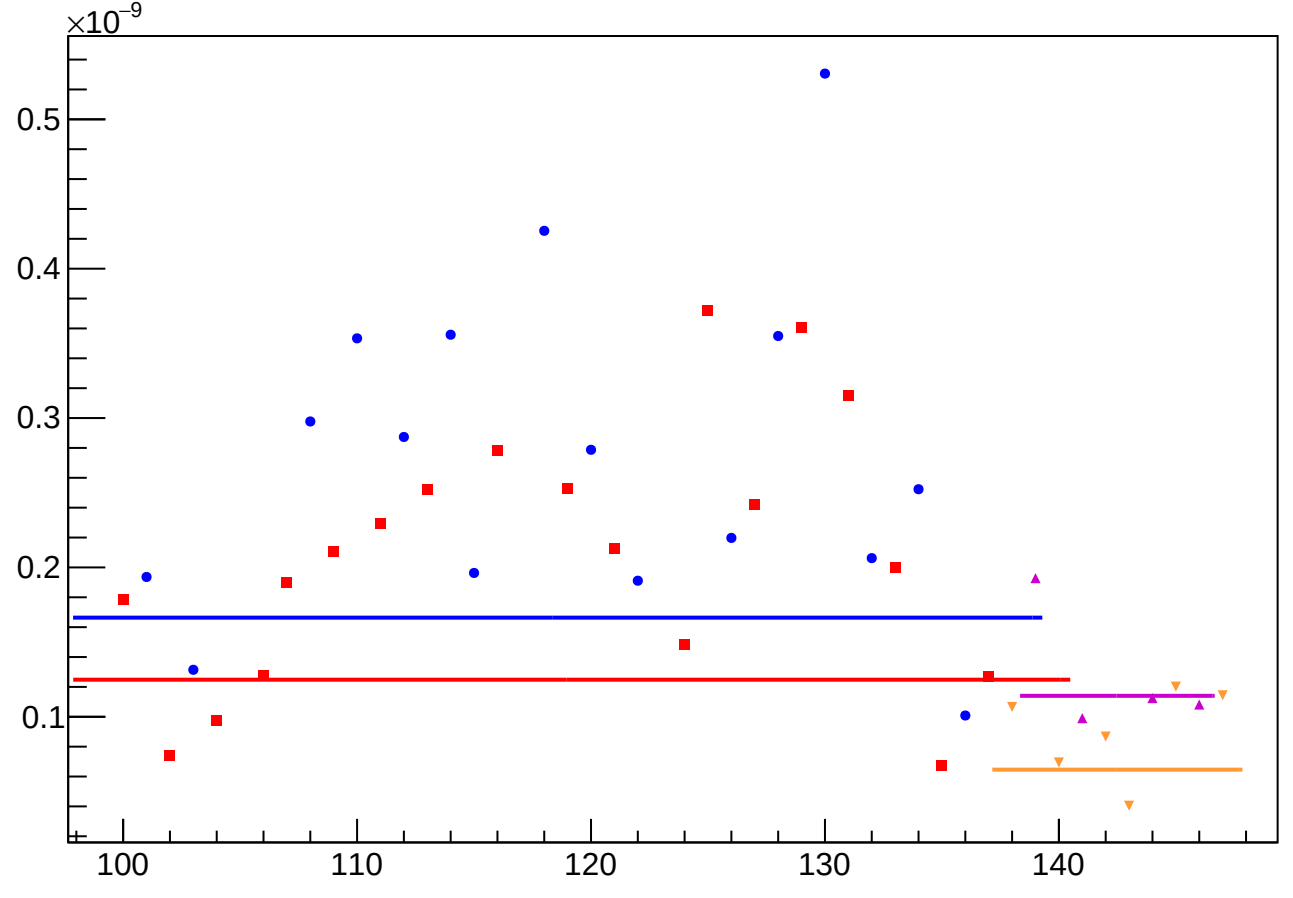
Left: 0.000+/-0.000 χ^2/NDF: 5.9/9

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:17.6/19

Out: -0.000+/-0.000 χ^2/NDF:12.5/24

All: -0.000+/-0.000 χ^2/NDF: 30.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:972679.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:226329.9/3

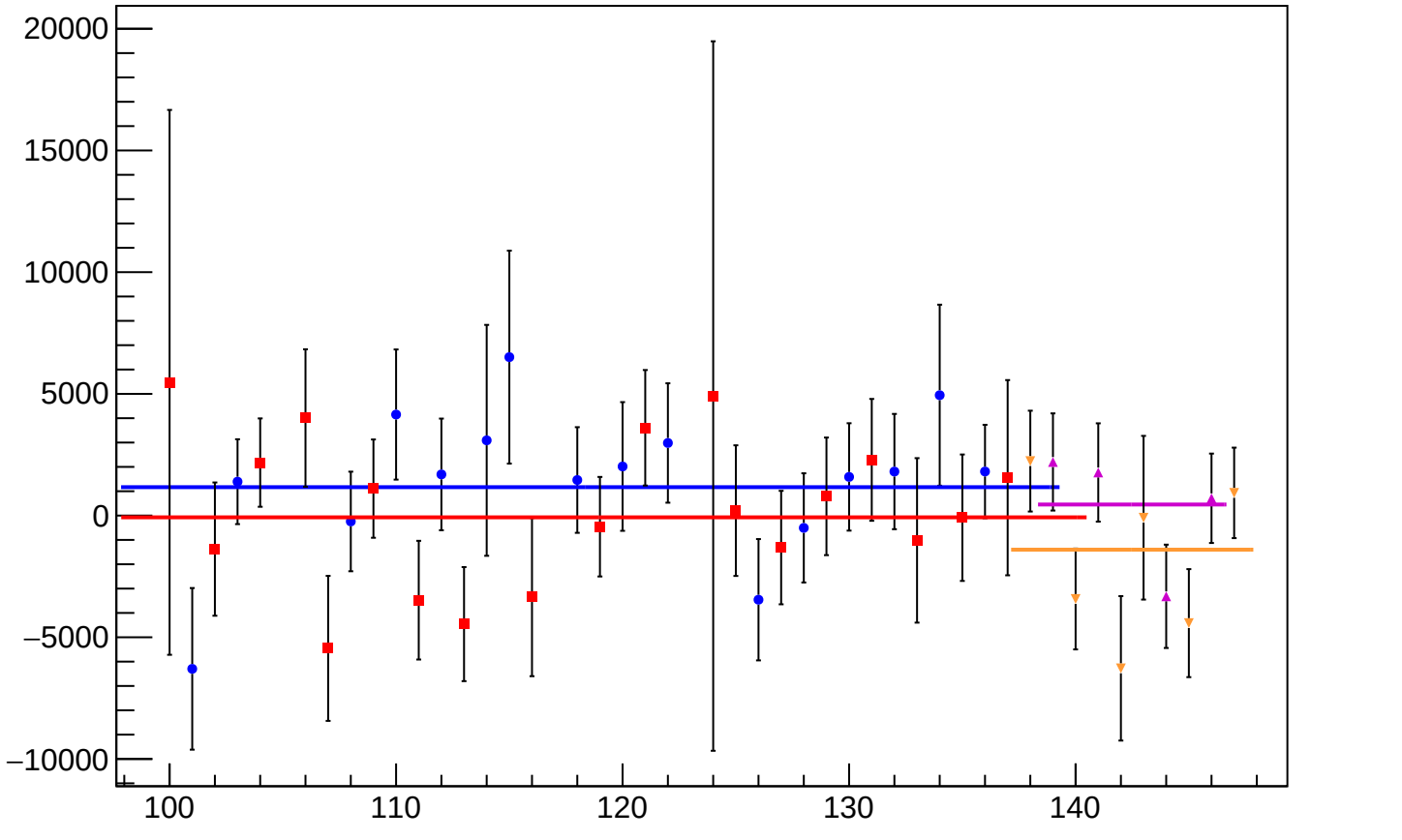
Left: 0.000+/-0.000 χ^2/NDF: 1846289.6/9

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

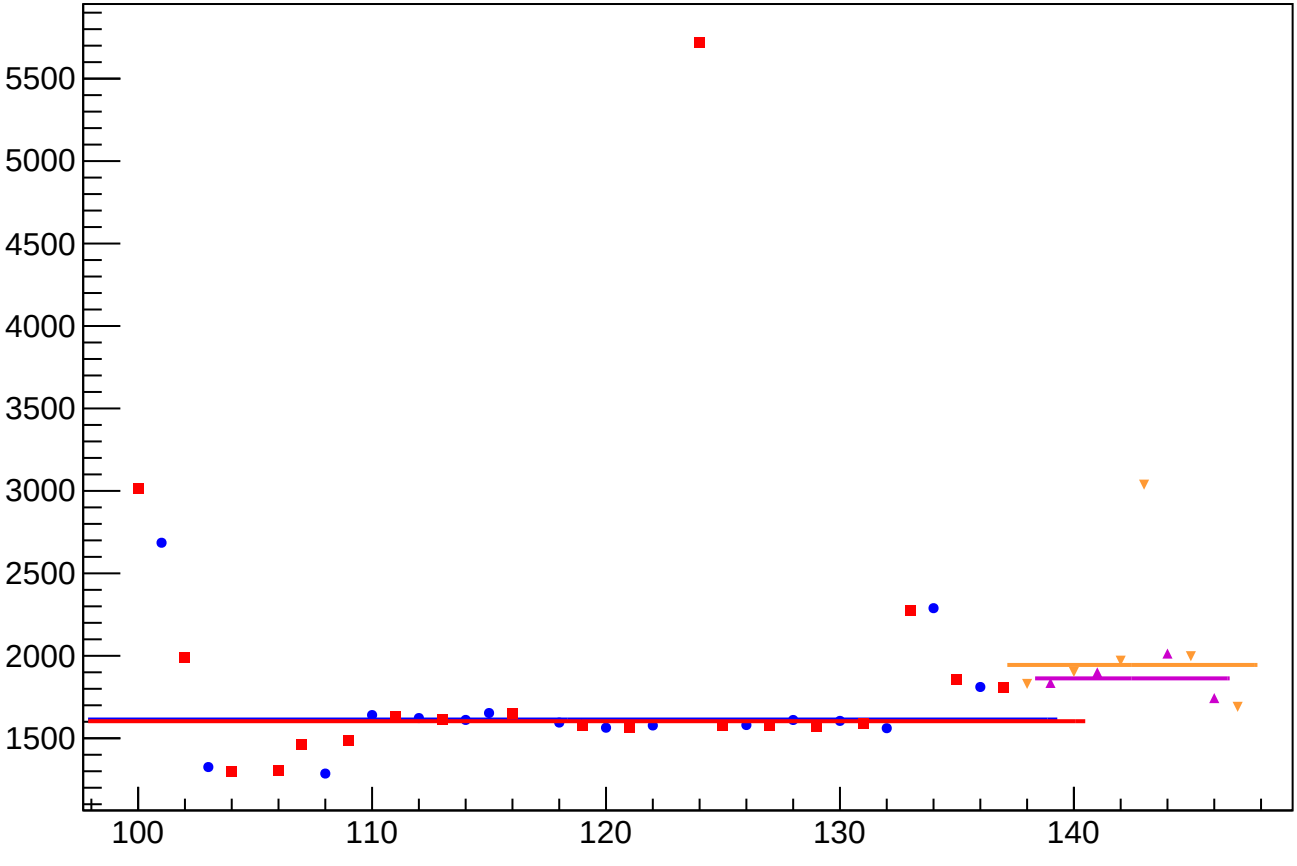
In: 0.000+/-0.000 χ^2/NDF:2633412.8/19

Out: 0.000+/-0.000 χ^2/NDF:4275890.8/24

All: 0.000+/-0.000 χ^2/NDF: 8371360.0/44


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: -1400.403+/-928.124 χ²/NDF:10.3/5
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 454.557+/-992.669 χ²/NDF:4.4/3
Left: -535.185+/-677.954 χ²/NDF: 16.6/9
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 971.998+/-519.203 χ²/NDF:19.2/19
Out: -466.754+/-505.865 χ²/NDF:30.0/24
All: 233.904+/-362.324 χ²/NDF: 53.2/44

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1944.654+/-0.656 χ^2/NDF:257062.2/5

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

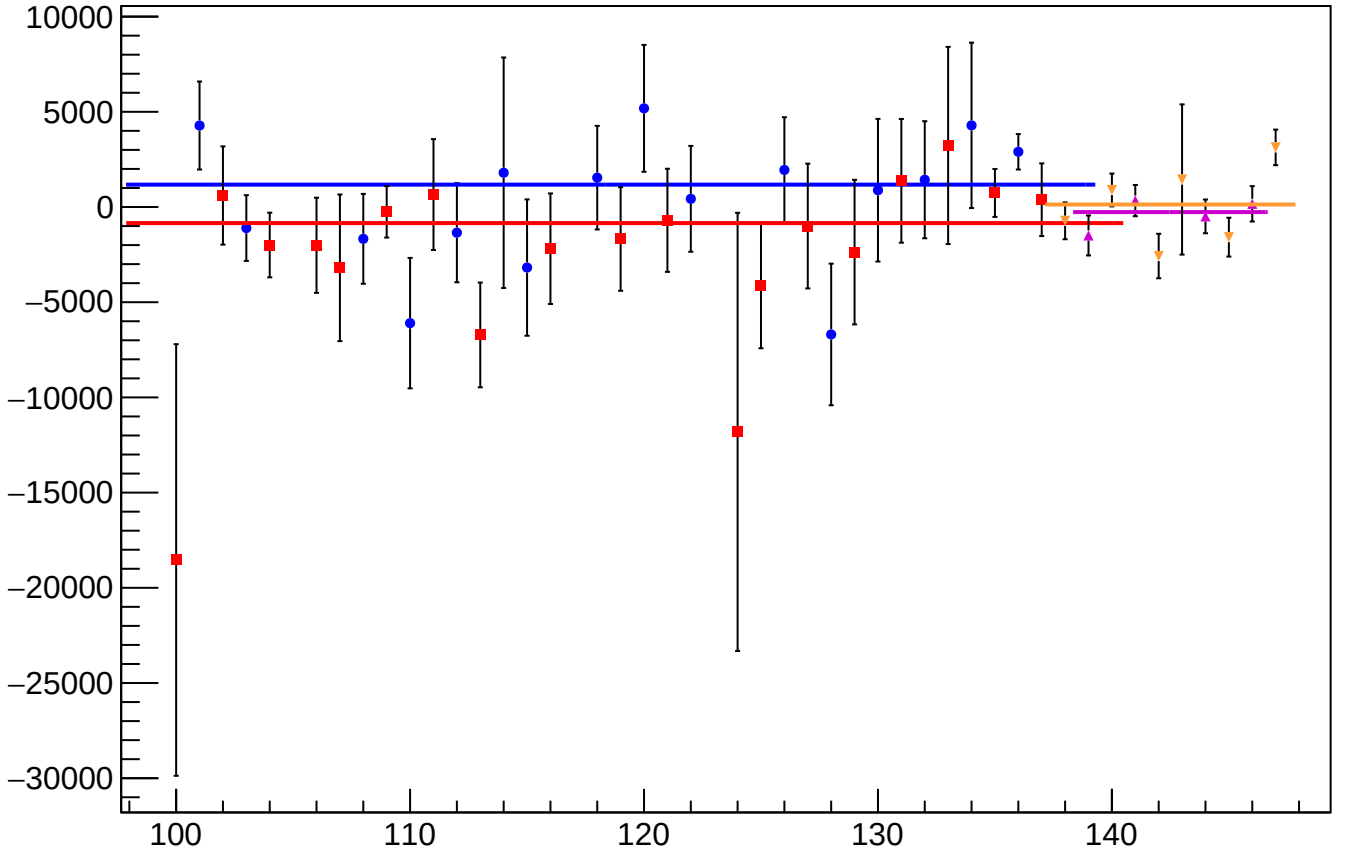
Left: 1906.650+/-0.479 χ^2/NDF: 283810.3/9

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1681.929+/-0.367 χ^2/NDF:516030.6/19

Out: 1704.821+/-0.358 χ^2/NDF:872842.8/24

All: 1693.673+/-0.256 χ^2/NDF: 1390867.9/44



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 132.370+/-433.703 χ^2/NDF:20.2/5

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -266.878+/-455.296 χ^2/NDF:2.2/3

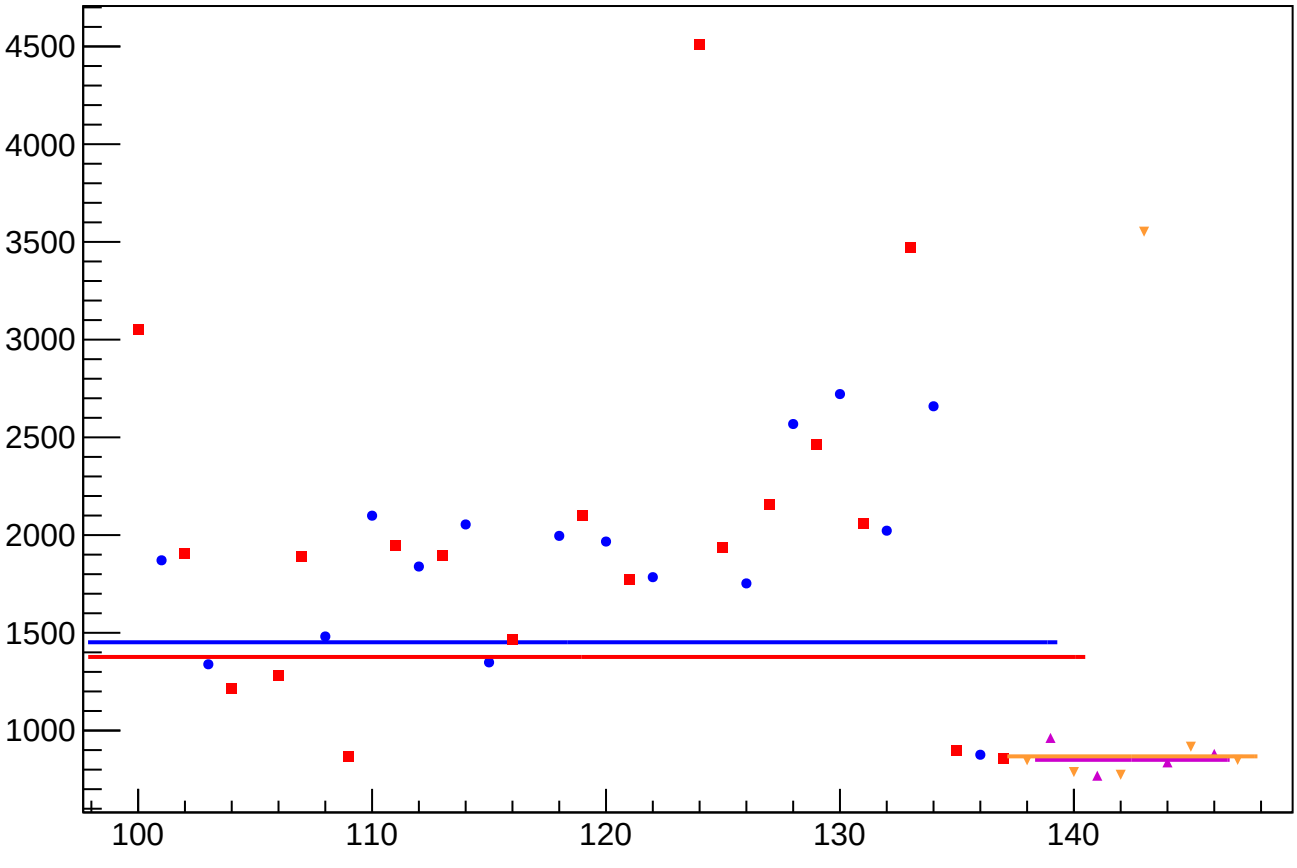
Left: -57.562+/-314.031 χ^2/NDF: 22.8/9

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 284.151+/-357.912 χ^2/NDF:28.0/19

Out: -235.741+/-342.303 χ^2/NDF:36.3/24

All: 12.622+/-247.379 χ^2/NDF: 65.5/44



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 867.871+/-0.307 χ^2/NDF:962664.3/5

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 850.176+/-0.322 χ^2/NDF:44934.1/3

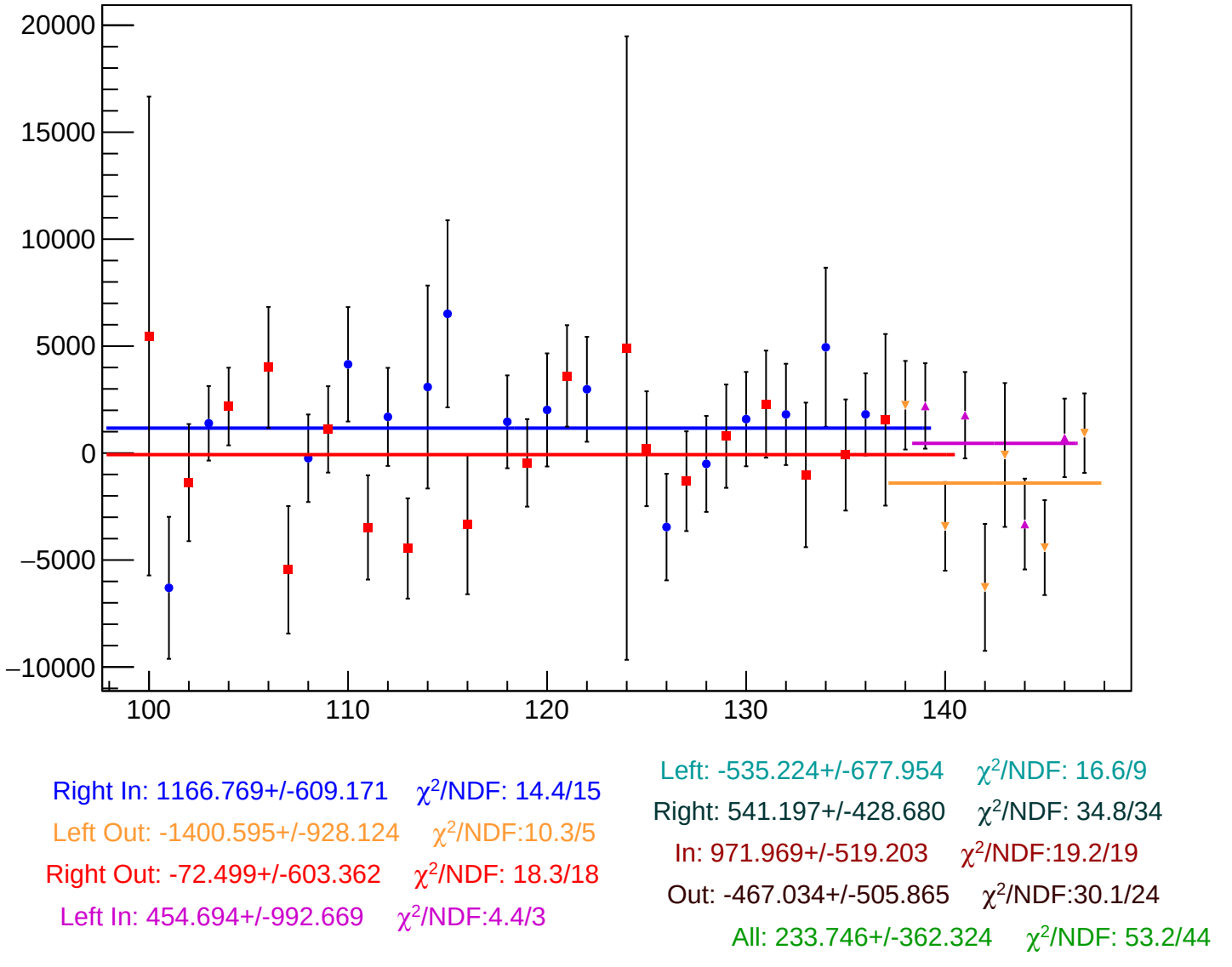
Left: 859.453+/-0.222 χ^2/NDF: 1009182.1/9

Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

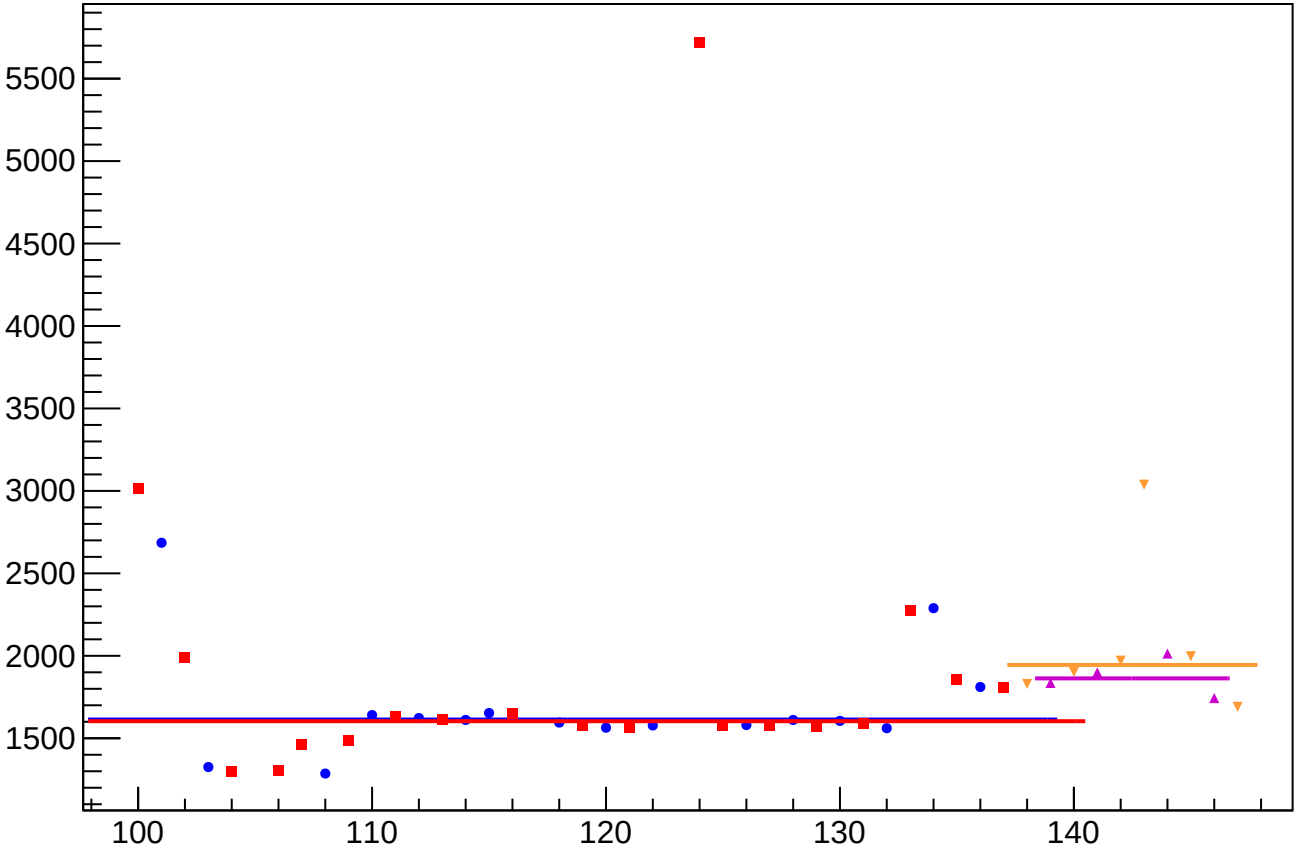
In: 1079.952+/-0.253 χ^2/NDF:3169142.2/19

Out: 1059.651+/-0.242 χ^2/NDF:4131821.5/24

All: 1069.349+/-0.175 χ^2/NDF: 7304324.5/44


cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -1400.595+/-928.124 χ²/NDF:10.3/5
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 454.694+/-992.669 χ²/NDF:4.4/3
Left: -535.224+/-677.954 χ²/NDF: 16.6/9
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 971.969+/-519.203 χ²/NDF:19.2/19
Out: -467.034+/-505.865 χ²/NDF:30.1/24
All: 233.746+/-362.324 χ²/NDF: 53.2/44

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1944.654+/-0.656 χ^2/NDF:257062.2/5

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

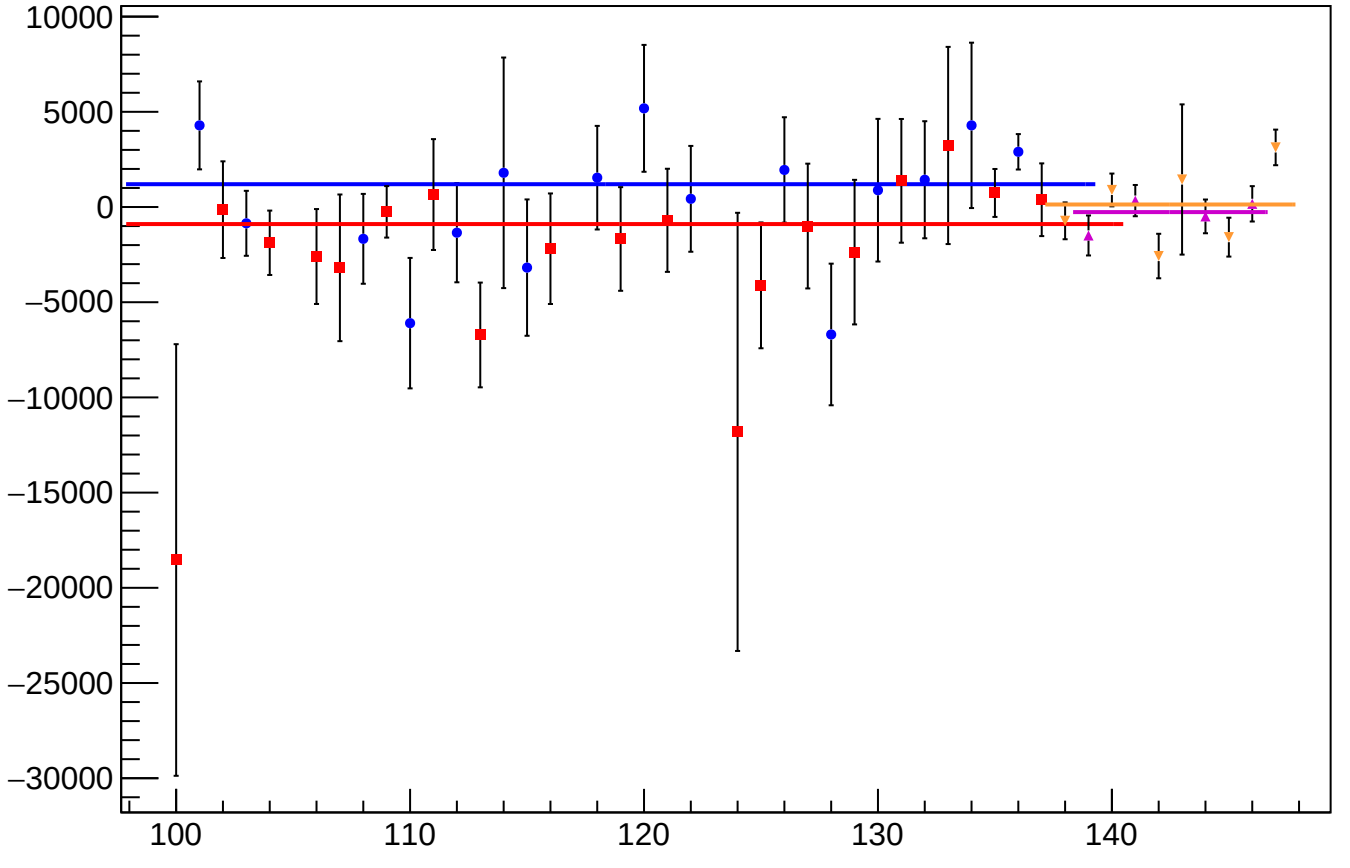
Left: 1906.650+/-0.479 χ^2/NDF: 283810.3/9

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1681.929+/-0.367 χ^2/NDF:516031.0/19

Out: 1704.820+/-0.358 χ^2/NDF:872843.0/24

All: 1693.673+/-0.256 χ^2/NDF: 1390868.4/44



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 132.386+/-433.714 χ^2/NDF:20.2/5

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -266.968+/-455.292 χ^2/NDF:2.2/3

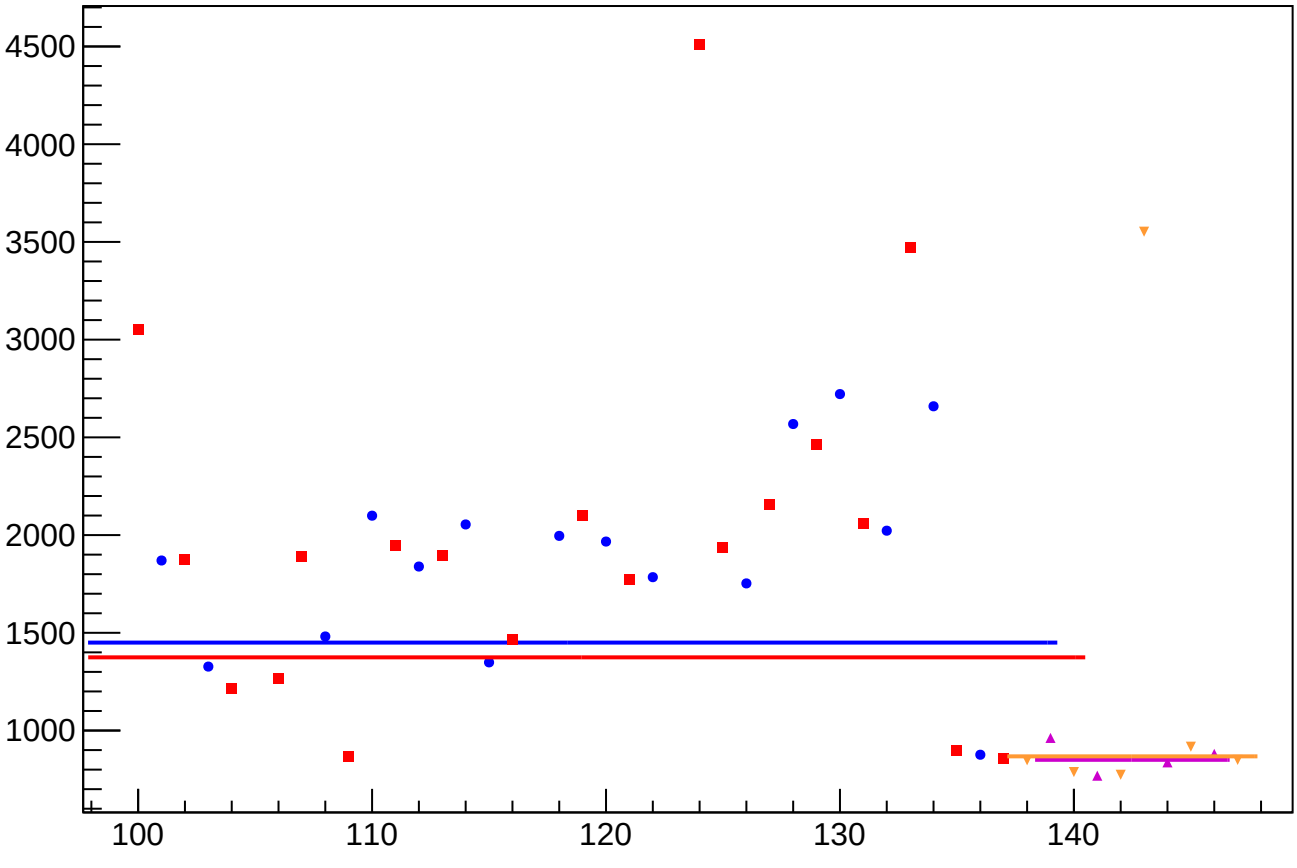
Left: -57.604+/-314.033 χ^2/NDF: 22.8/9

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 293.805+/-357.715 χ^2/NDF:27.8/19

Out: -255.871+/-342.129 χ^2/NDF:36.5/24

All: 6.731+/-247.248 χ^2/NDF: 65.6/44



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 867.895+/-0.307 χ^2/NDF:962630.6/5

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 850.167+/-0.322 χ^2/NDF:44950.0/3

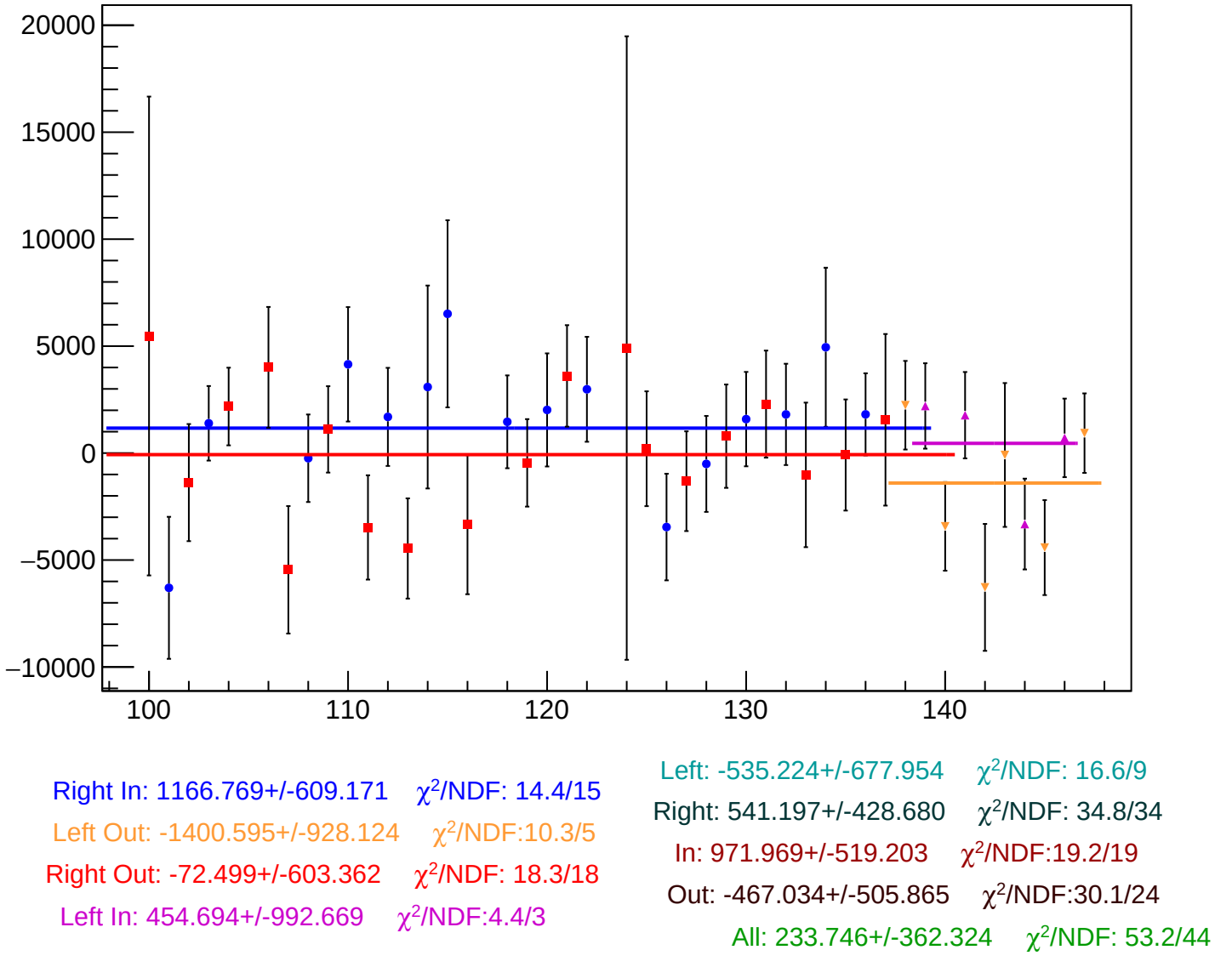
Left: 859.461+/-0.222 χ^2/NDF: 1009170.4/9

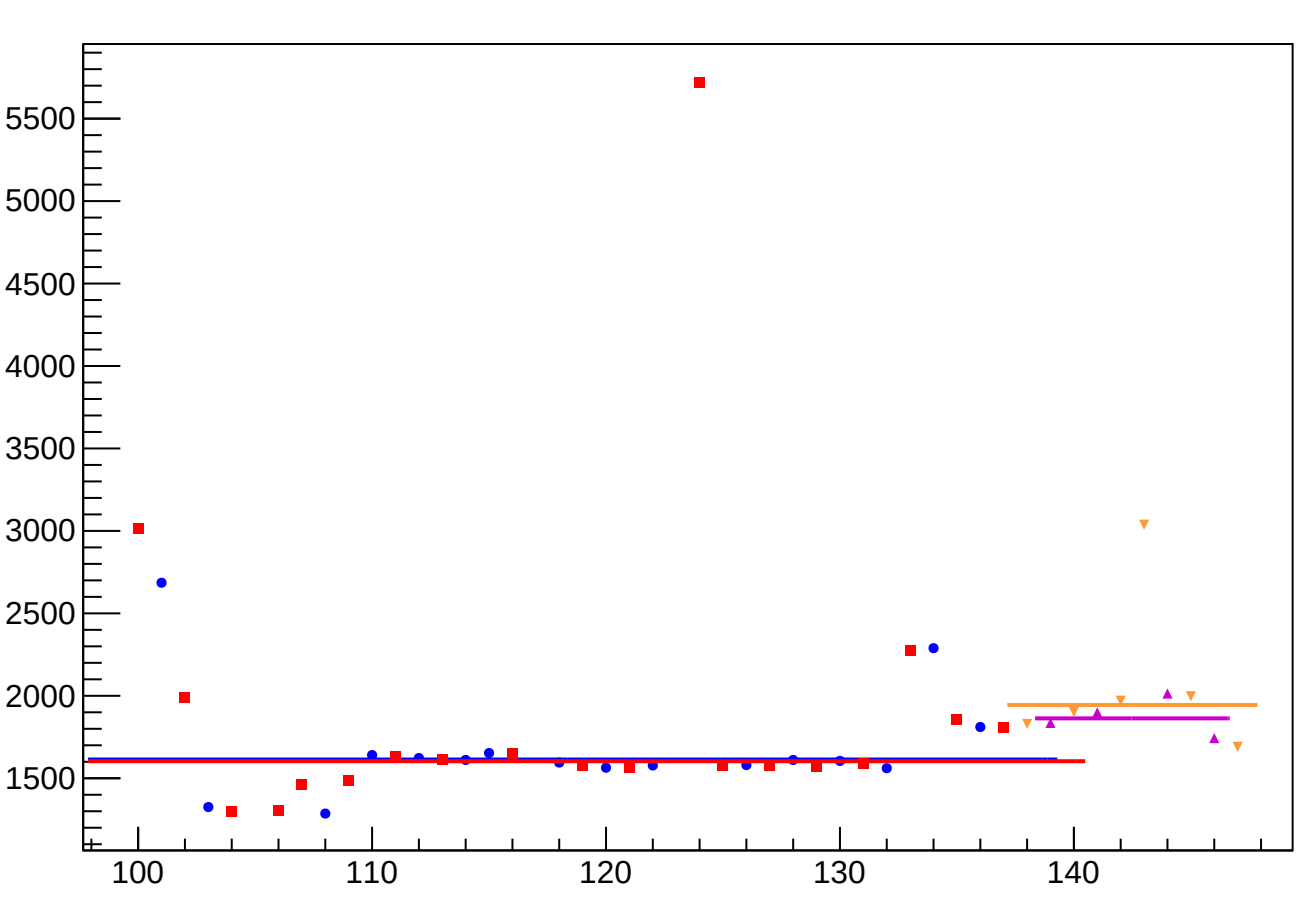
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1079.700+/-0.253 χ^2/NDF:3165877.7/19

Out: 1059.236+/-0.242 χ^2/NDF:4120818.3/24

All: 1069.012+/-0.175 χ^2/NDF: 7290114.3/44


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -1400.595+/-928.124 χ²/NDF:10.3/5
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 454.694+/-992.669 χ²/NDF:4.4/3
Left: -535.224+/-677.954 χ²/NDF: 16.6/9
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 971.969+/-519.203 χ²/NDF:19.2/19
Out: -467.034+/-505.865 χ²/NDF:30.1/24
All: 233.746+/-362.324 χ²/NDF: 53.2/44



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1944.654+/-0.656 χ^2/NDF:257062.2/5

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1863.176+/-0.702 χ^2/NDF:19558.6/3

Left: 1906.650+/-0.479 χ^2/NDF: 283810.3/9

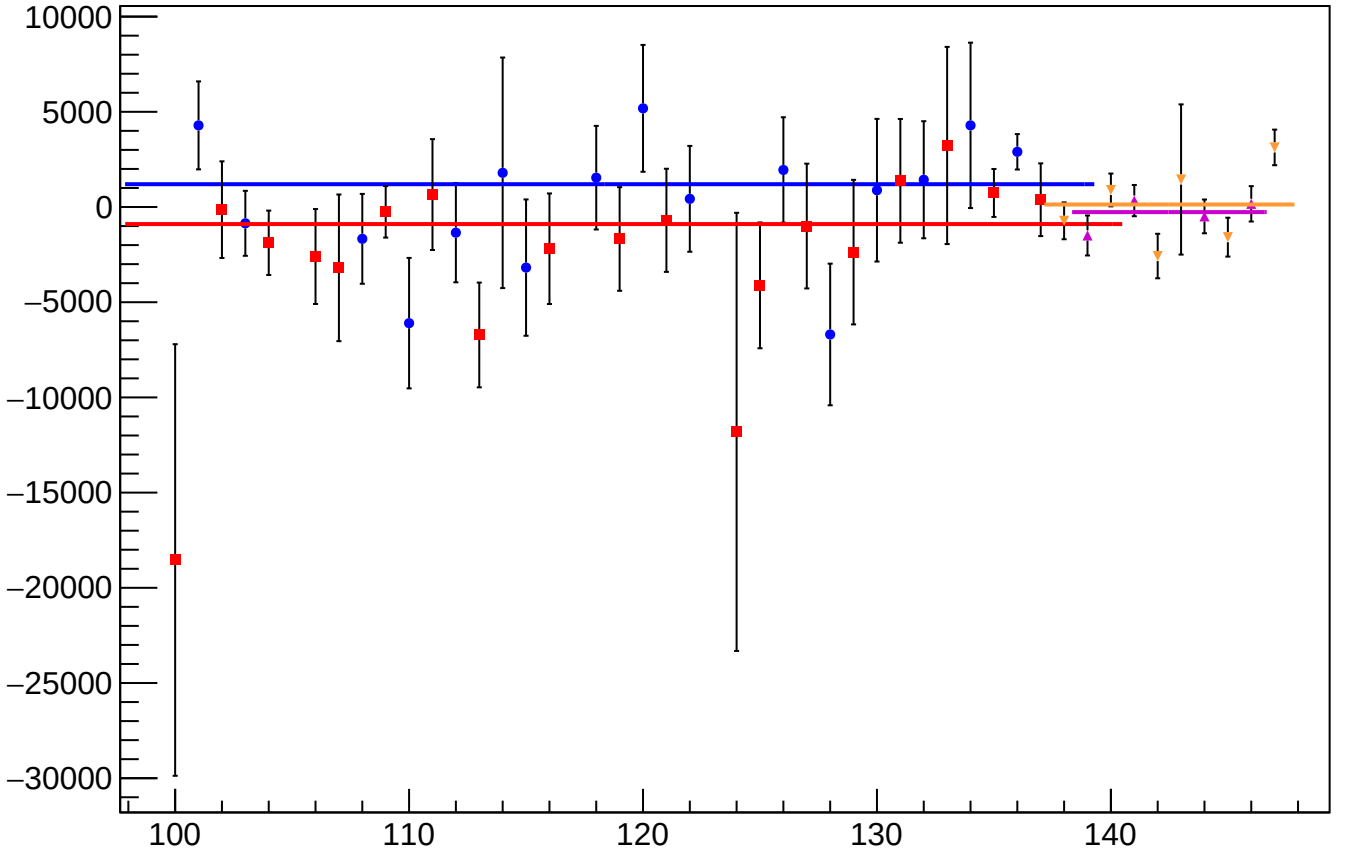
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1681.929+/-0.367 χ^2/NDF:516031.0/19

Out: 1704.820+/-0.358 χ^2/NDF:872843.0/24

All: 1693.673+/-0.256 χ^2/NDF: 1390868.4/44

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: 132.386+/-433.714 χ^2/NDF:20.2/5

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -266.968+/-455.292 χ^2/NDF:2.2/3

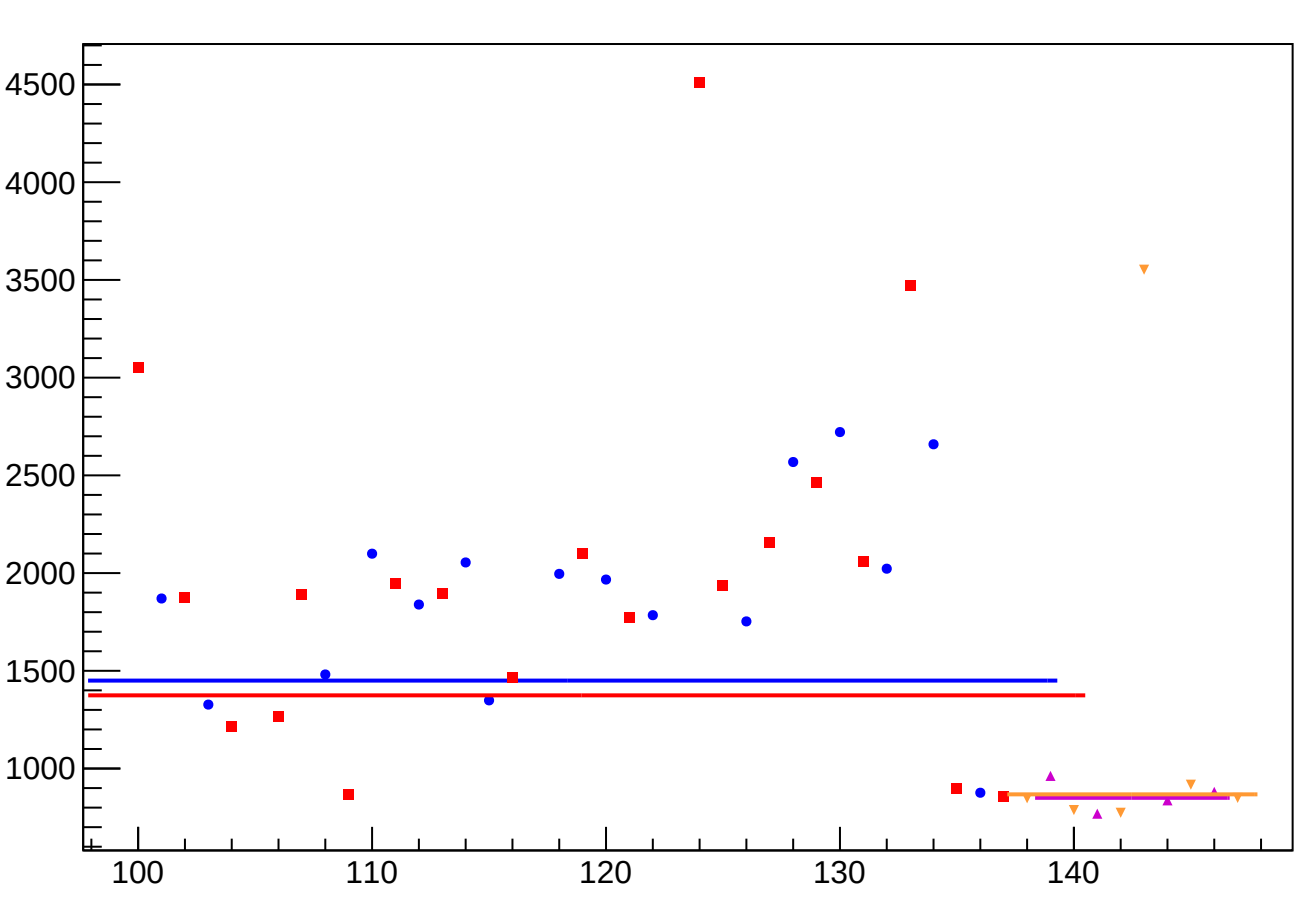
Left: -57.604+/-314.033 χ^2/NDF: 22.8/9

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 293.805+/-357.715 χ^2/NDF:27.8/19

Out: -255.871+/-342.129 χ^2/NDF:36.5/24

All: 6.731+/-247.248 χ^2/NDF: 65.6/44



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 867.895+/-0.307 χ^2/NDF:962630.6/5

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 850.167+/-0.322 χ^2/NDF:44950.0/3

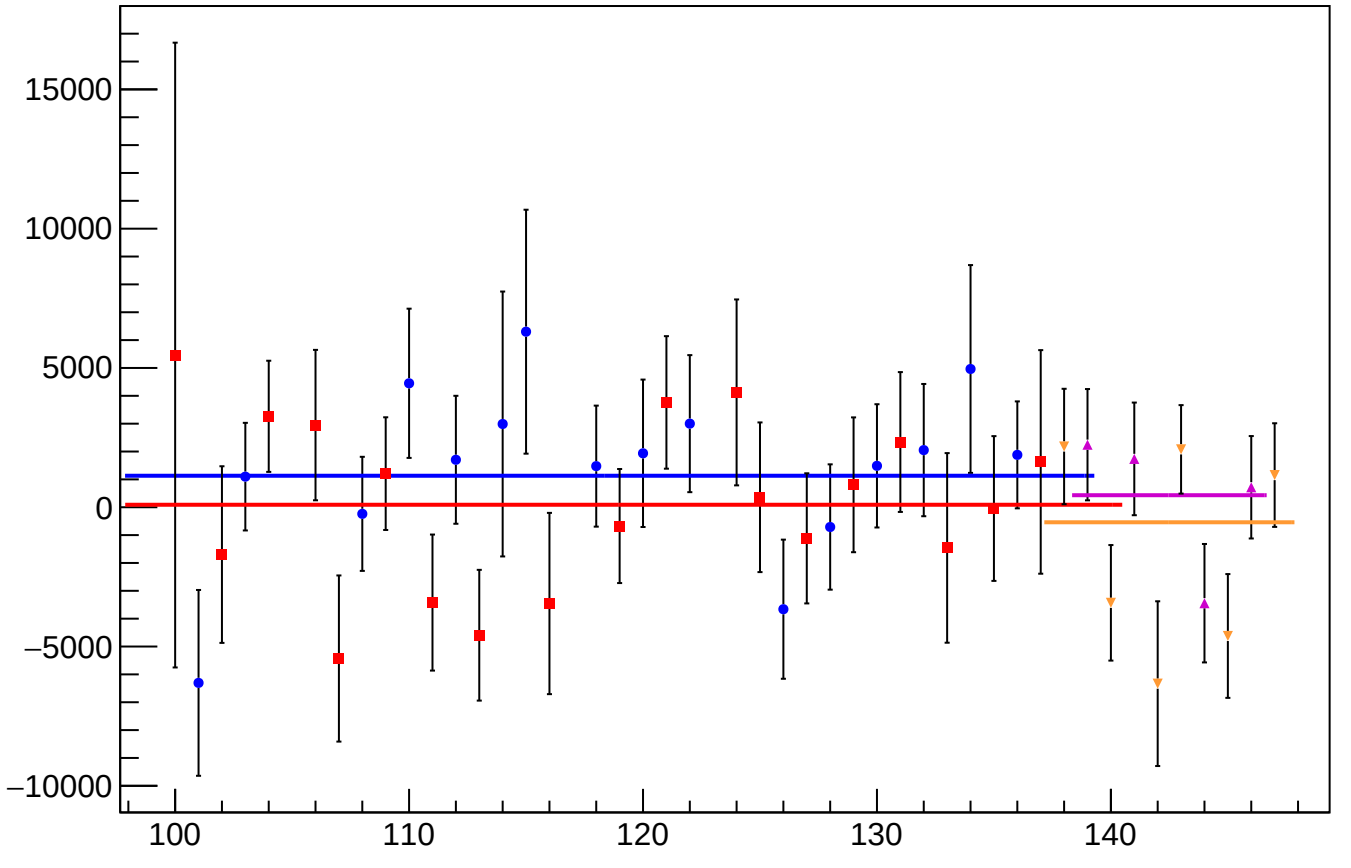
Left: 859.461+/-0.222 χ^2/NDF: 1009170.4/9

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1079.700+/-0.253 χ^2/NDF:3165877.7/19

Out: 1059.236+/-0.242 χ^2/NDF:4120818.3/24

All: 1069.012+/-0.175 χ^2/NDF: 7290114.3/44



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -539.769+/-825.368 χ^2/NDF:14.4/5

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 431.940+/-993.901 χ^2/NDF:4.6/3

Left: -143.165+/-634.970 χ^2/NDF: 19.6/9

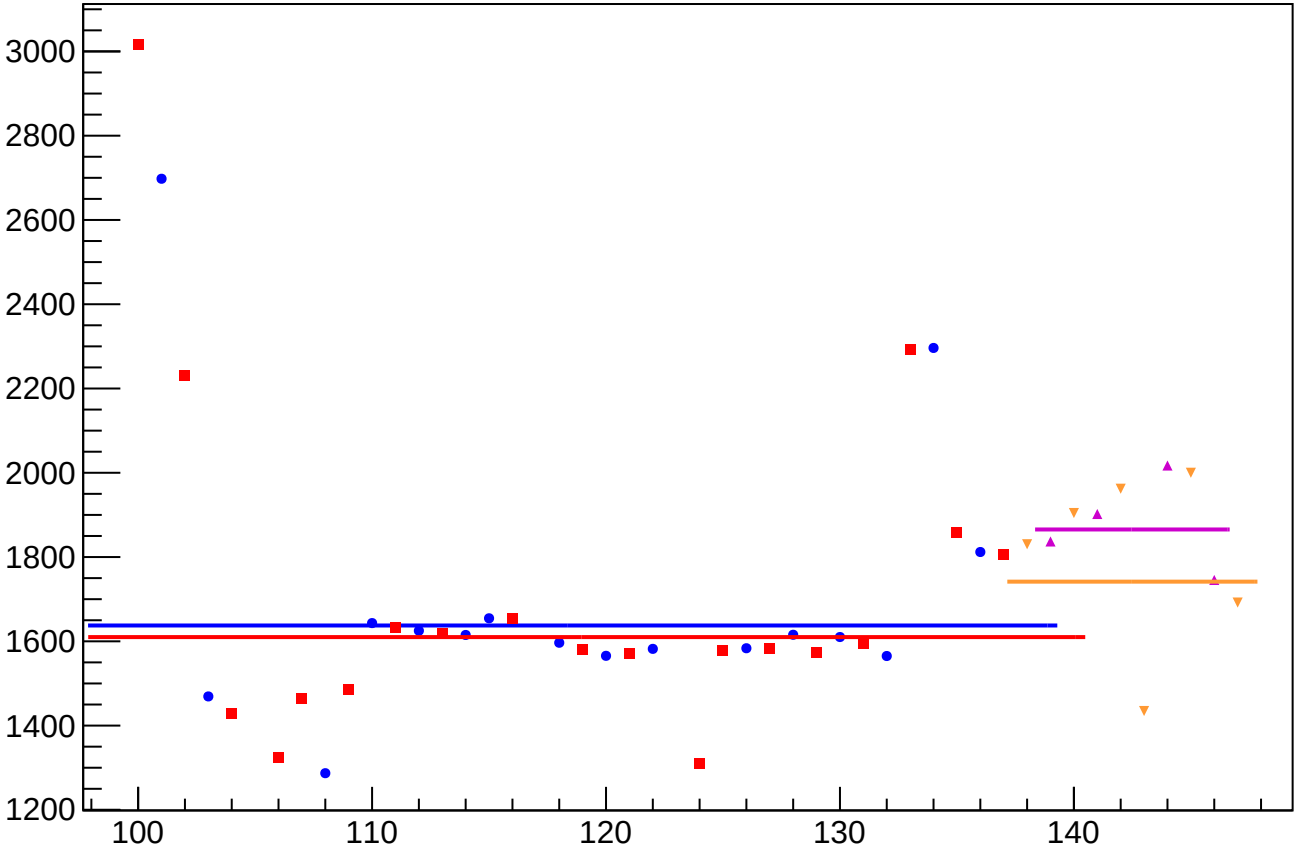
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 936.235+/-524.350 χ^2/NDF:19.9/19

Out: -129.704+/-486.938 χ^2/NDF:35.5/24

All: 363.885+/-356.811 χ^2/NDF: 57.6/44

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1741.624+/-0.584 χ^2/NDF:130372.7/5

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1865.441+/-0.703 χ^2/NDF:19753.7/3

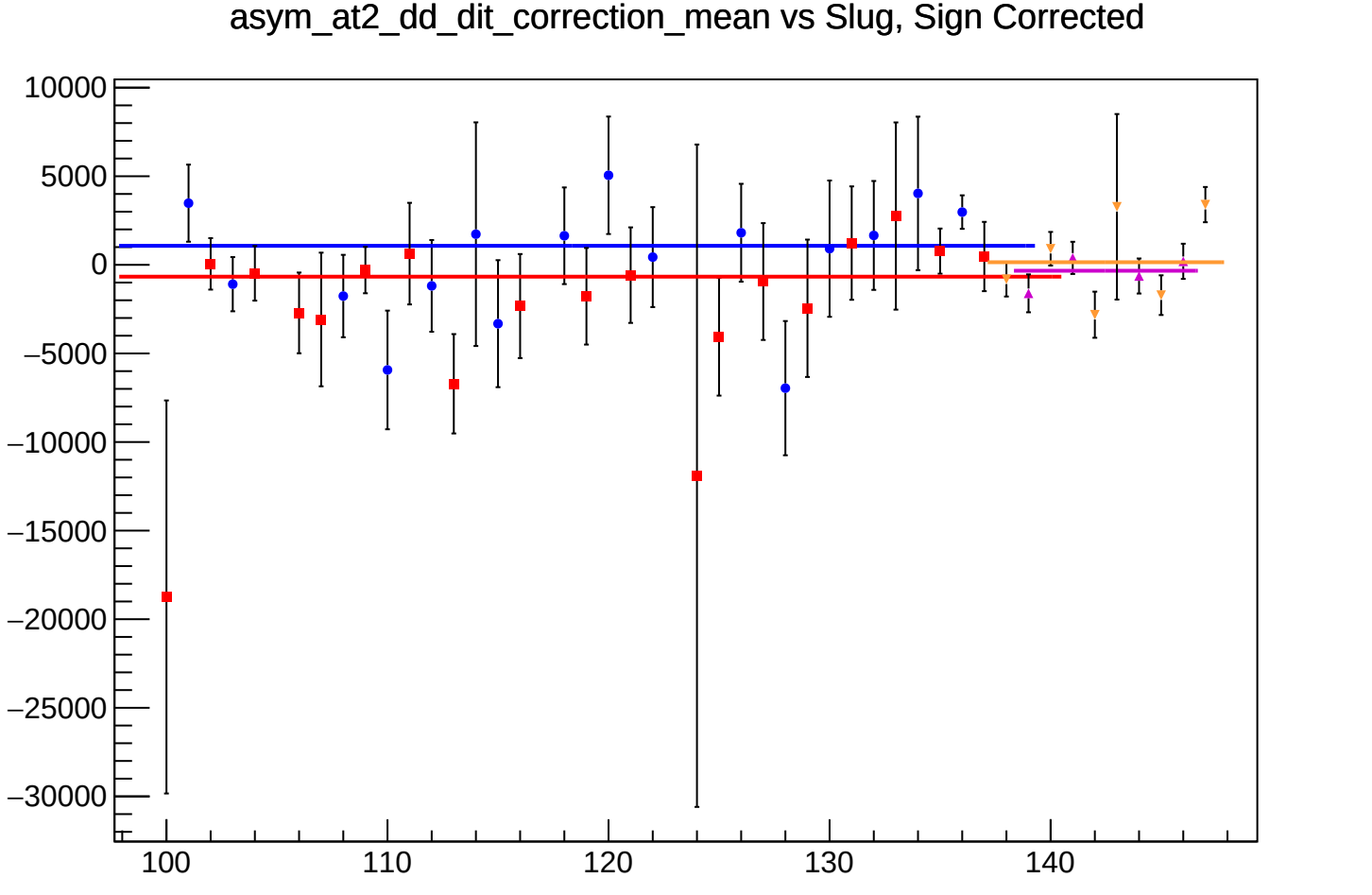
Left: 1792.160+/-0.449 χ^2/NDF: 168496.5/9

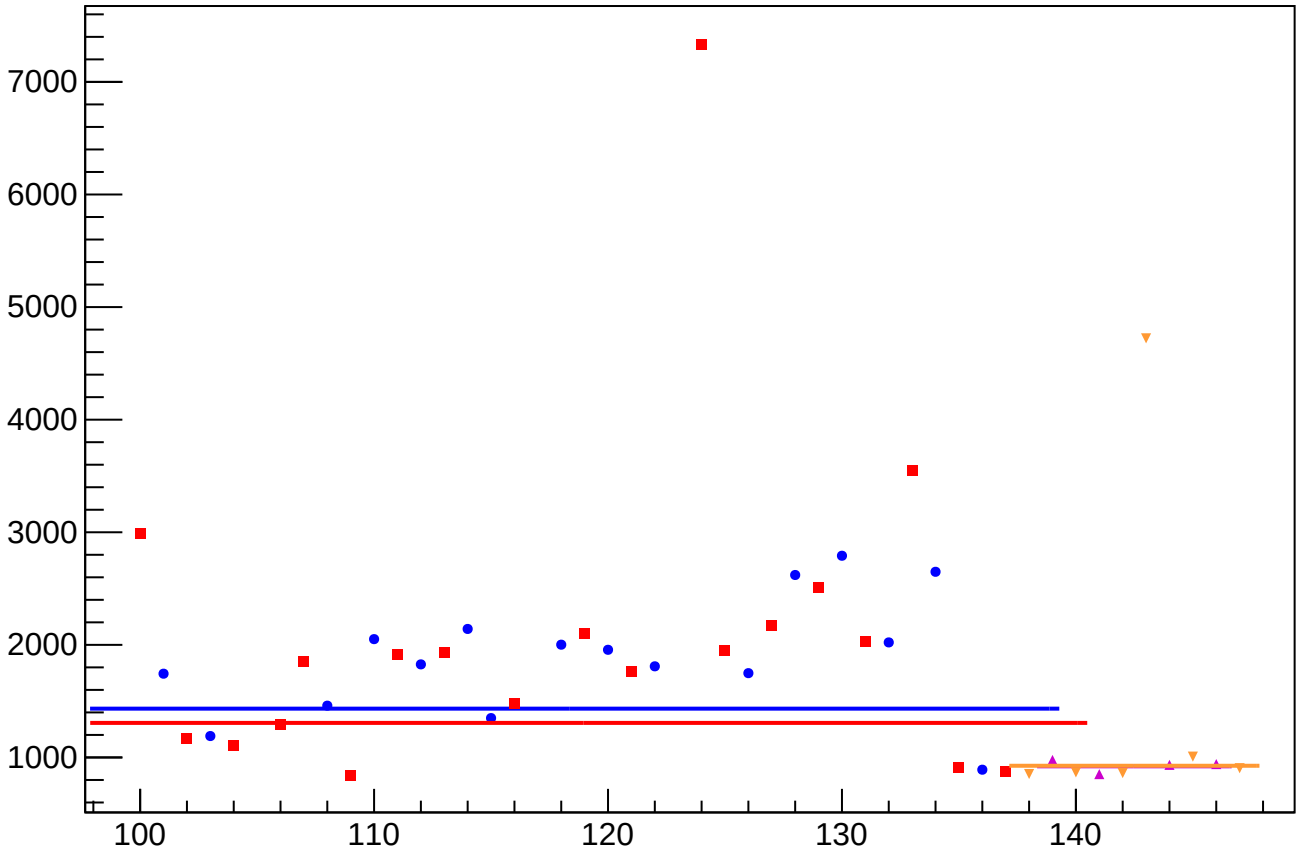
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.995+/-0.371 χ^2/NDF:457036.4/19

Out: 1655.841+/-0.344 χ^2/NDF:444323.4/24

All: 1676.750+/-0.252 χ^2/NDF: 909323.6/44


asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
Right In: 1073.600+/-571.609 χ²/NDF: 22.0/15
Left Out: 147.076+/-466.154 χ²/NDF:20.6/5
Right Out: -667.777+/-523.477 χ²/NDF: 13.6/18
Left In: -333.588+/-492.489 χ²/NDF:2.4/3
Left: -80.062+/-338.548 χ²/NDF: 23.5/9
Right: 126.521+/-386.051 χ²/NDF: 40.6/34
In: 265.951+/-373.106 χ²/NDF:27.9/19
Out: -213.310+/-348.130 χ²/NDF:35.5/24
All: 9.745+/-254.537 χ²/NDF: 64.3/44



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 926.244+/-0.330 χ^2/NDF:1087190.3/5

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 921.125+/-0.348 χ^2/NDF:18349.8/3

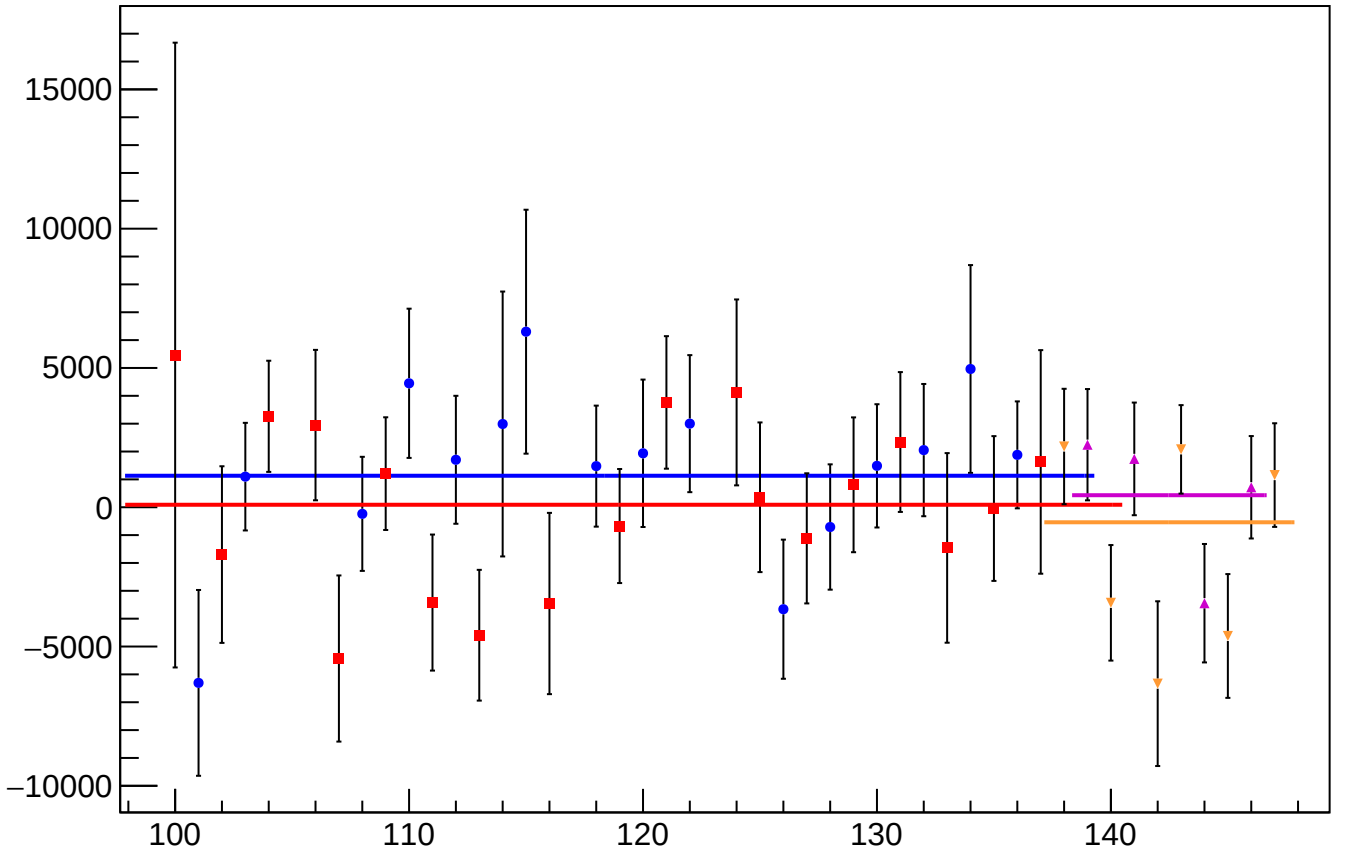
Left: 923.825+/-0.239 χ^2/NDF: 1105654.1/9

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1139.415+/-0.264 χ^2/NDF:2704071.2/19

Out: 1094.582+/-0.246 χ^2/NDF:3860818.2/24

All: 1115.448+/-0.180 χ^2/NDF: 6580327.0/44



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -539.782+/-825.369 χ^2/NDF:14.4/5

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 431.928+/-993.901 χ^2/NDF:4.6/3

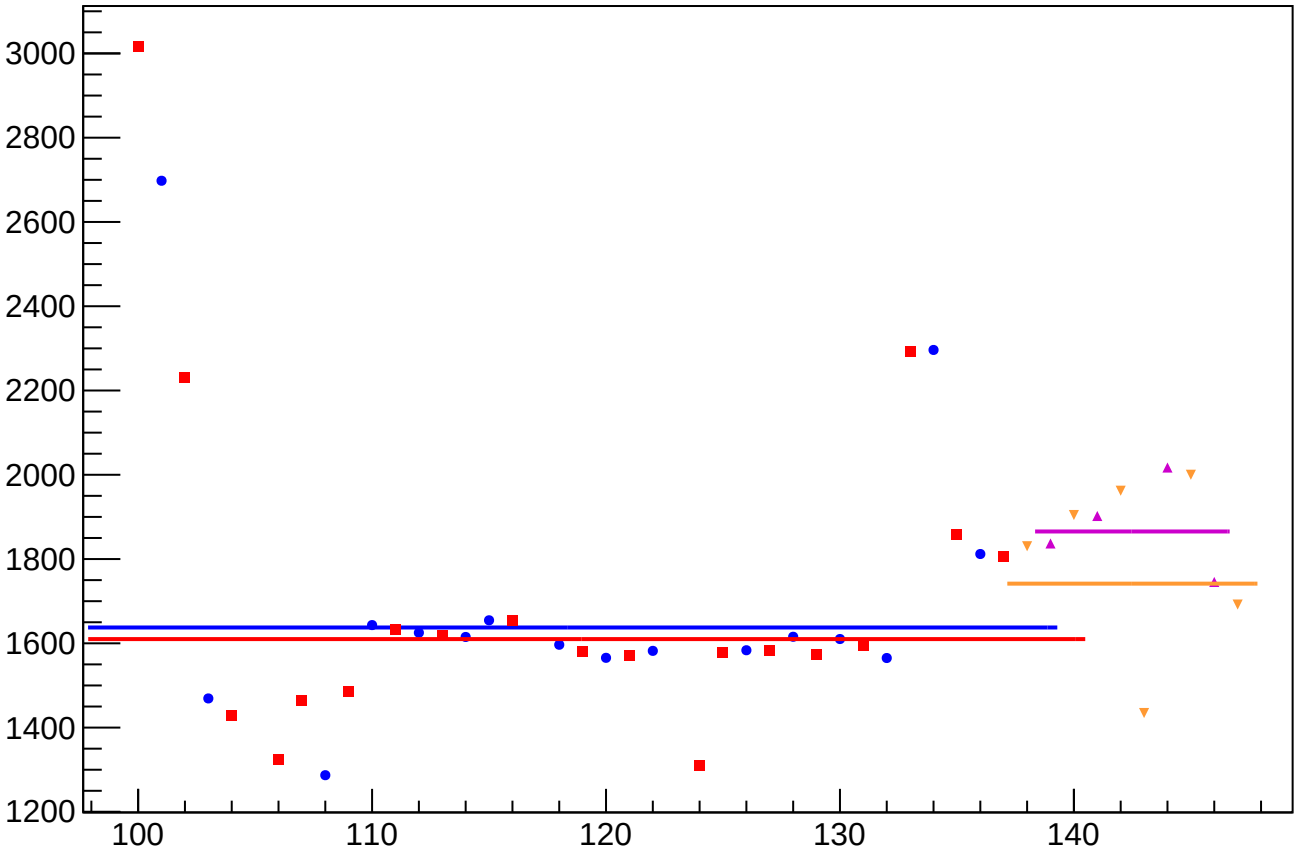
Left: -143.178+/-634.971 χ^2/NDF: 19.6/9

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 936.232+/-524.350 χ^2/NDF:19.9/19

Out: -129.706+/-486.938 χ^2/NDF:35.5/24

All: 363.884+/-356.811 χ^2/NDF: 57.6/44



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1741.625+/-0.584 χ^2/NDF:130371.5/5

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1865.441+/-0.703 χ^2/NDF:19753.8/3

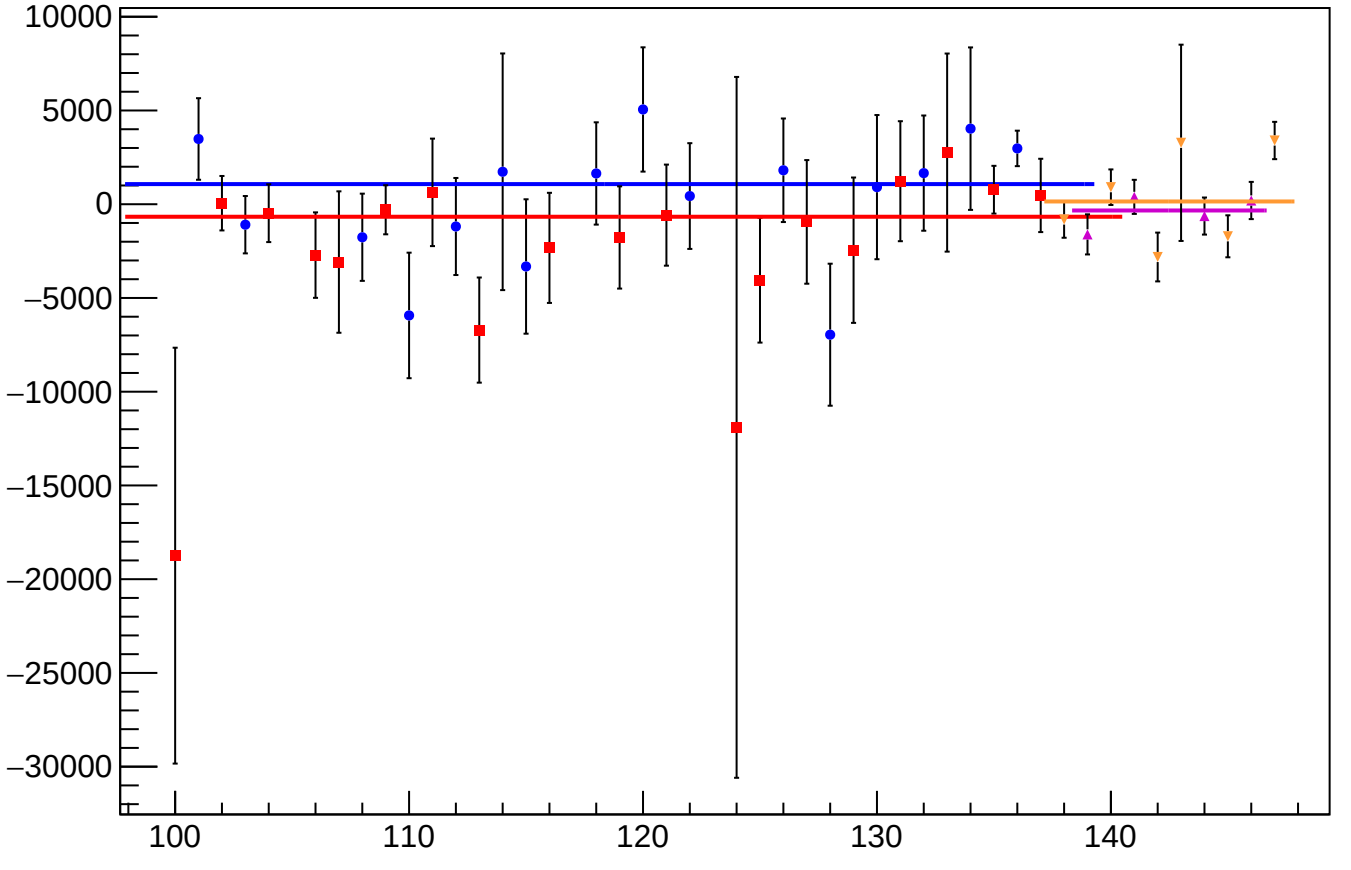
Left: 1792.160+/-0.449 χ^2/NDF: 168495.2/9

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.995+/-0.371 χ^2/NDF:457036.3/19

Out: 1655.841+/-0.344 χ^2/NDF:444322.9/24

All: 1676.750+/-0.252 χ^2/NDF: 909322.9/44



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 147.088+/-466.158 χ^2/NDF:20.6/5

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -333.586+/-492.491 χ^2/NDF:2.4/3

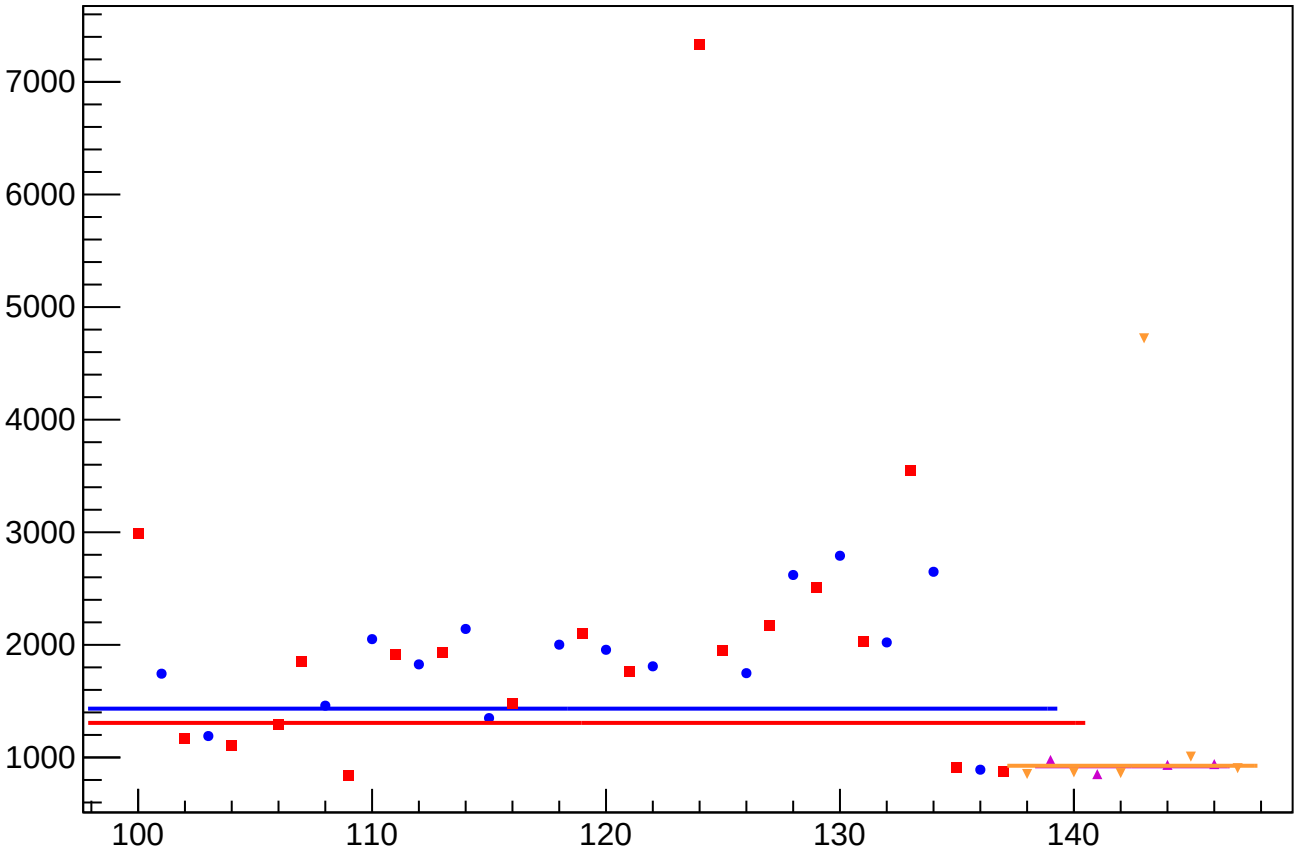
Left: -80.056+/-338.550 χ^2/NDF: 23.5/9

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

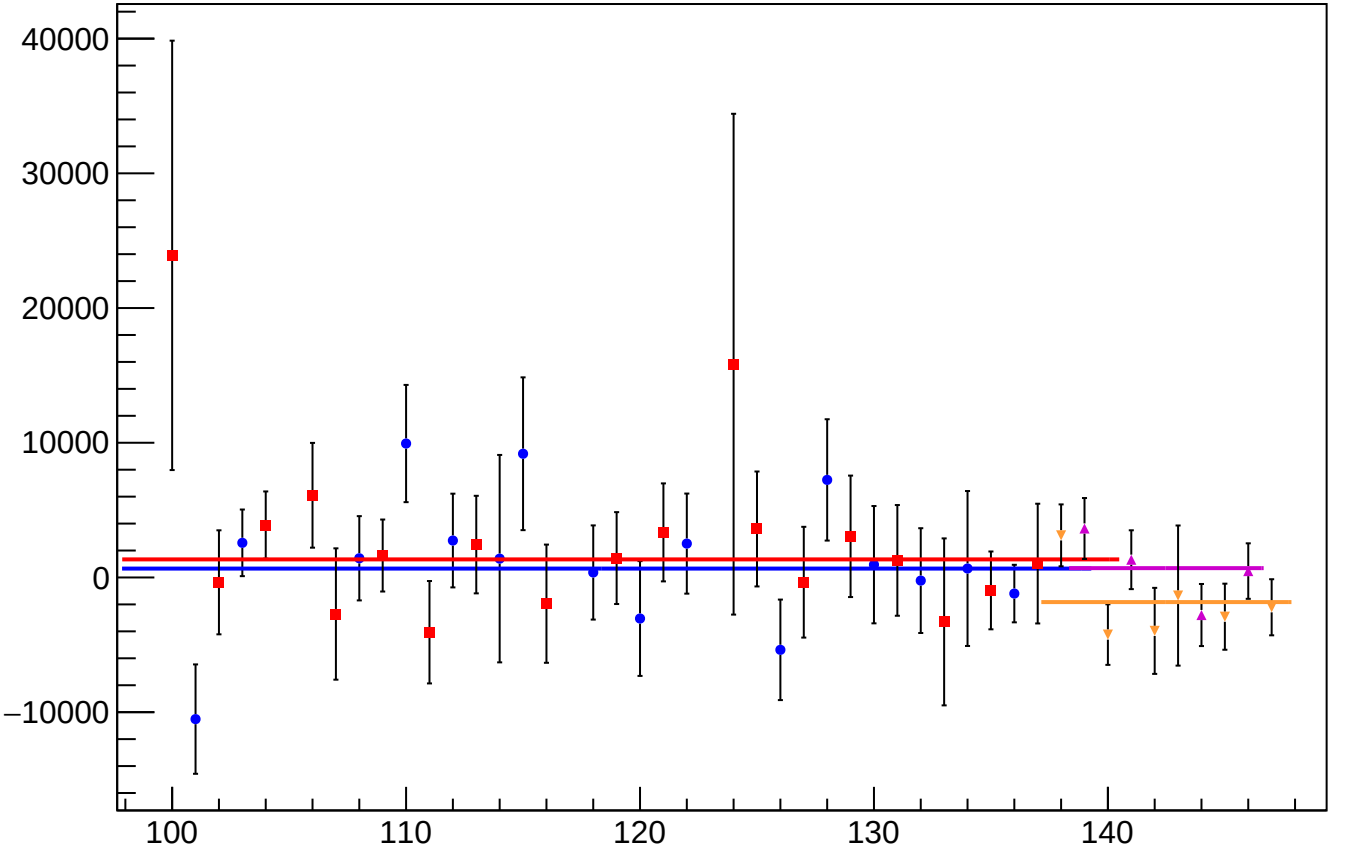
In: 265.946+/-373.107 χ^2/NDF:27.9/19

Out: -213.309+/-348.133 χ^2/NDF:35.5/24

All: 9.743+/-254.539 χ^2/NDF: 64.3/44


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 926.253+/-0.330 χ²/NDF:1087179.1/5
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 921.128+/-0.348 χ²/NDF:18351.0/3
Left: 923.831+/-0.239 χ²/NDF: 1105644.3/9
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1139.423+/-0.264 χ²/NDF:2704011.1/19
Out: 1094.593+/-0.246 χ²/NDF:3860739.8/24
All: 1115.457+/-0.180 χ²/NDF: 6580186.0/44

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1827.358+/-1042.977 χ^2/NDF:6.5/5

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 692.223+/-1098.247 χ^2/NDF:4.1/3

Left: -632.561+/-756.281 χ^2/NDF: 13.3/9

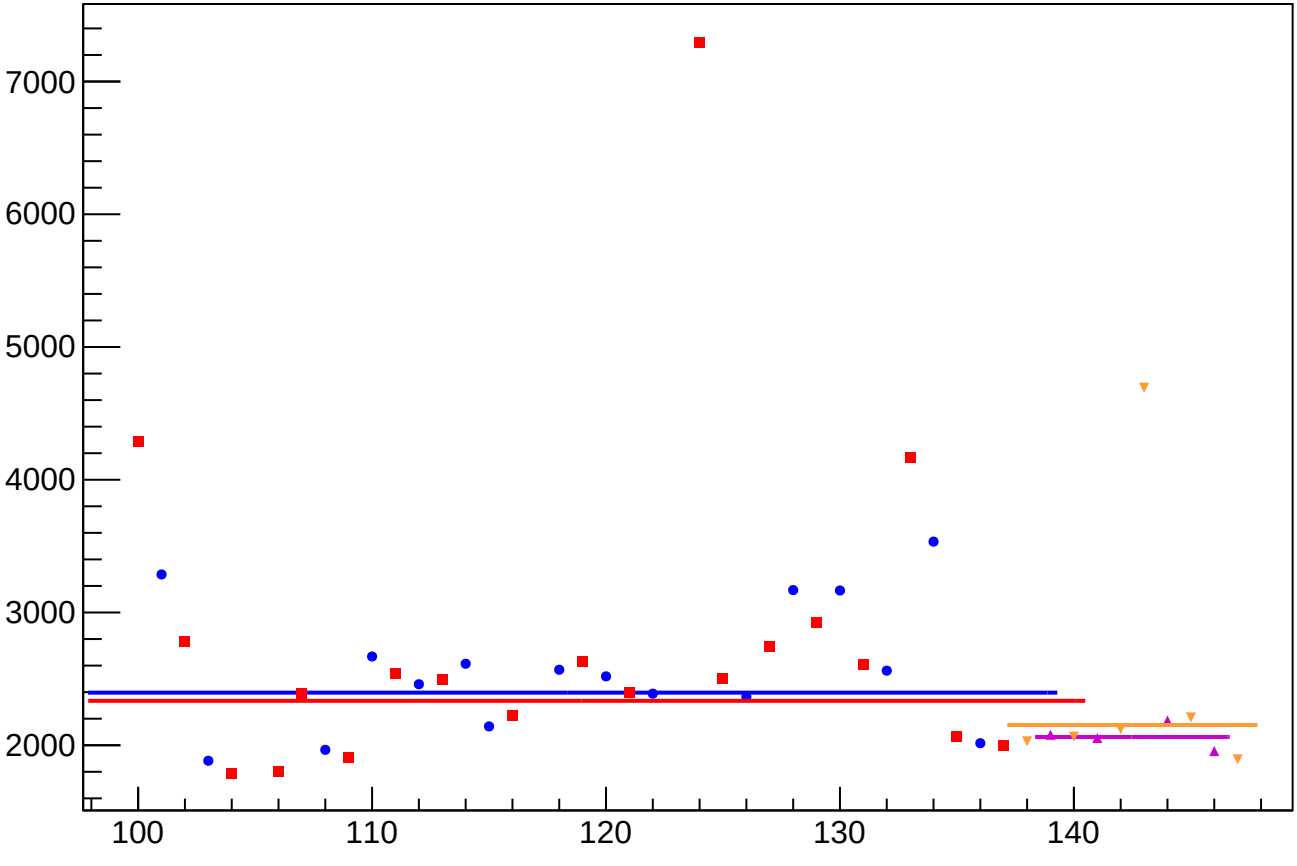
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 672.788+/-700.516 χ^2/NDF:26.1/19

Out: 5.584+/-677.267 χ^2/NDF:22.7/24

All: 327.931+/-486.912 χ^2/NDF: 49.2/44

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2152.229+/-0.737 χ^2/NDF:518332.9/5

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2062.347+/-0.777 χ^2/NDF:11226.8/3

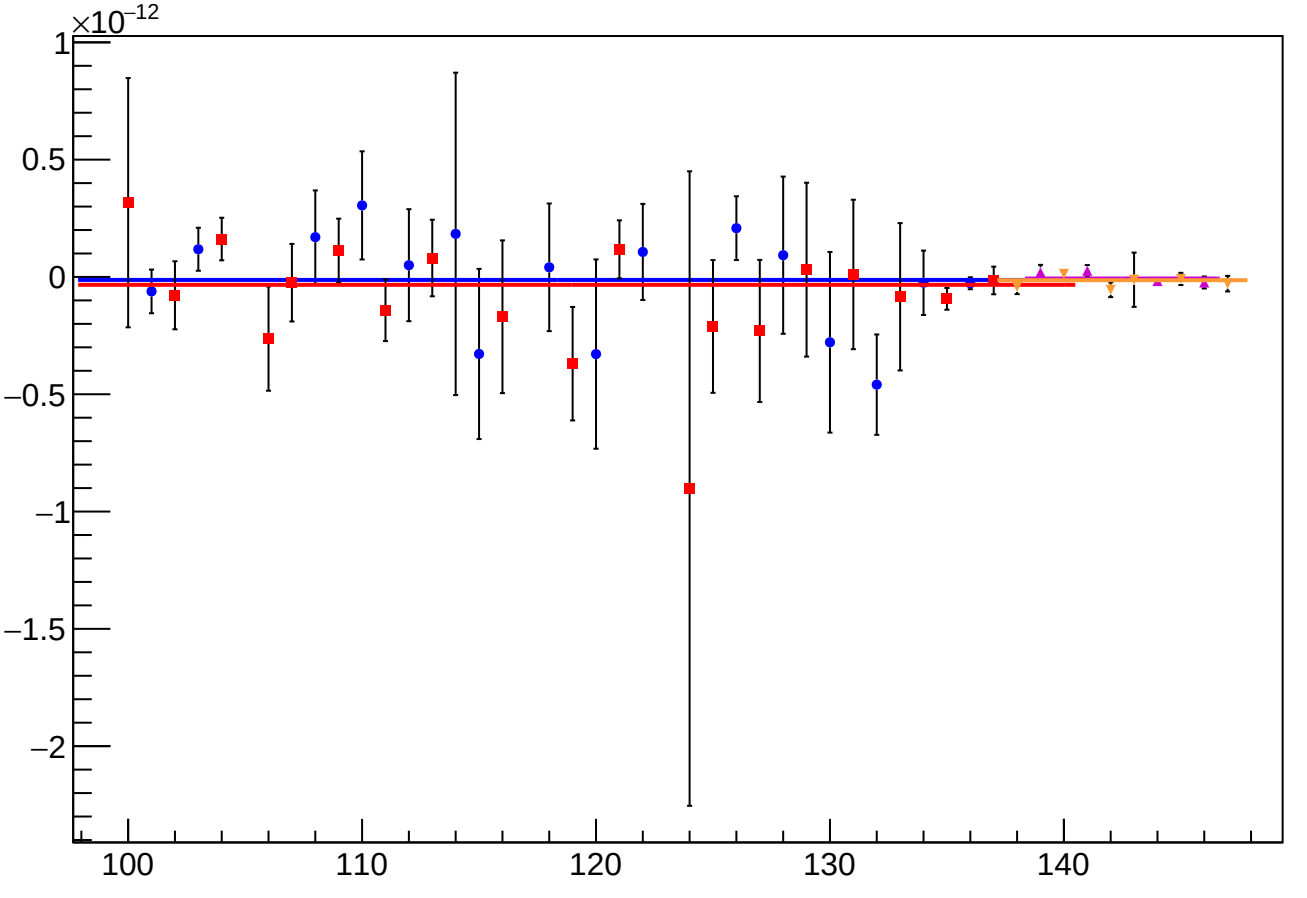
Left: 2109.606+/-0.535 χ^2/NDF: 536603.3/9

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2260.417+/-0.495 χ^2/NDF:628797.6/19

Out: 2257.696+/-0.479 χ^2/NDF:1235263.6/24

All: 2259.011+/-0.344 χ^2/NDF: 1864076.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/3

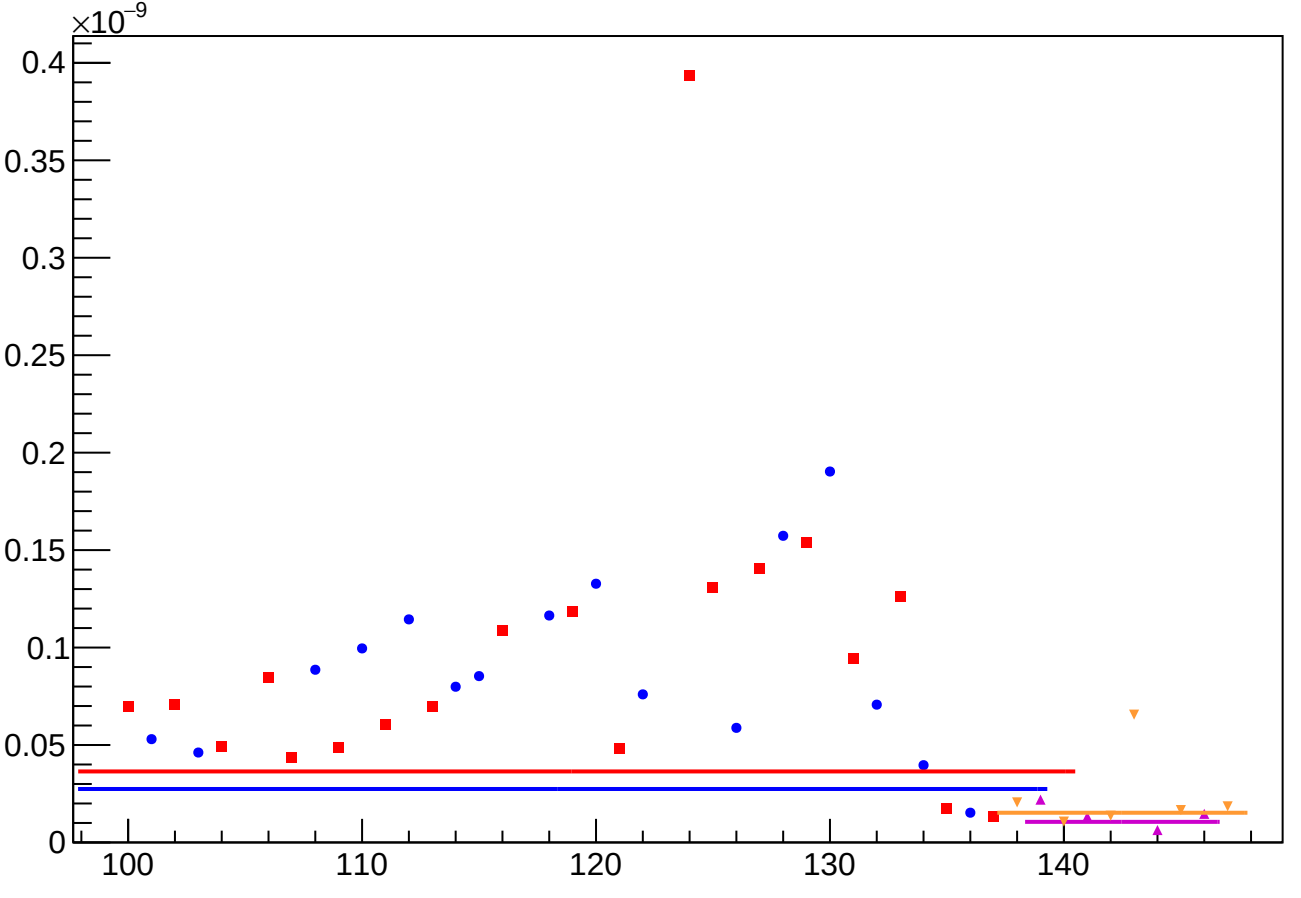
Left: -0.000+/-0.000 χ^2/NDF: 8.5/9

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:18.4/19

Out: -0.000+/-0.000 χ^2/NDF:20.4/24

All: -0.000+/-0.000 χ^2/NDF: 39.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:582393.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:517296.1/3

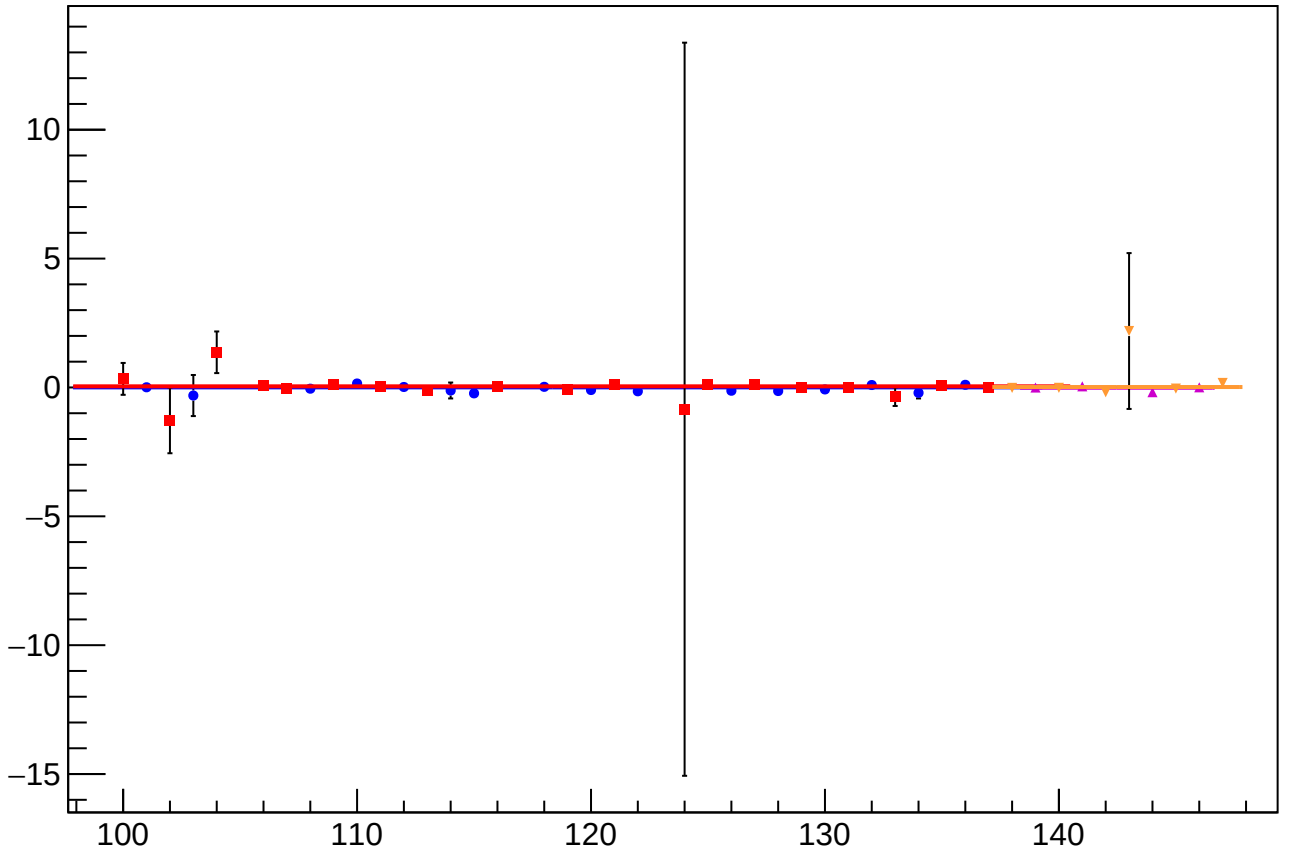
Left: 0.000+/-0.000 χ^2/NDF: 1280002.9/9

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4196929.4/19

Out: 0.000+/-0.000 χ^2/NDF:4000846.0/24

All: 0.000+/-0.000 χ^2/NDF: 8428607.6/44



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.011+/-0.035 χ^2/NDF:2.8/3

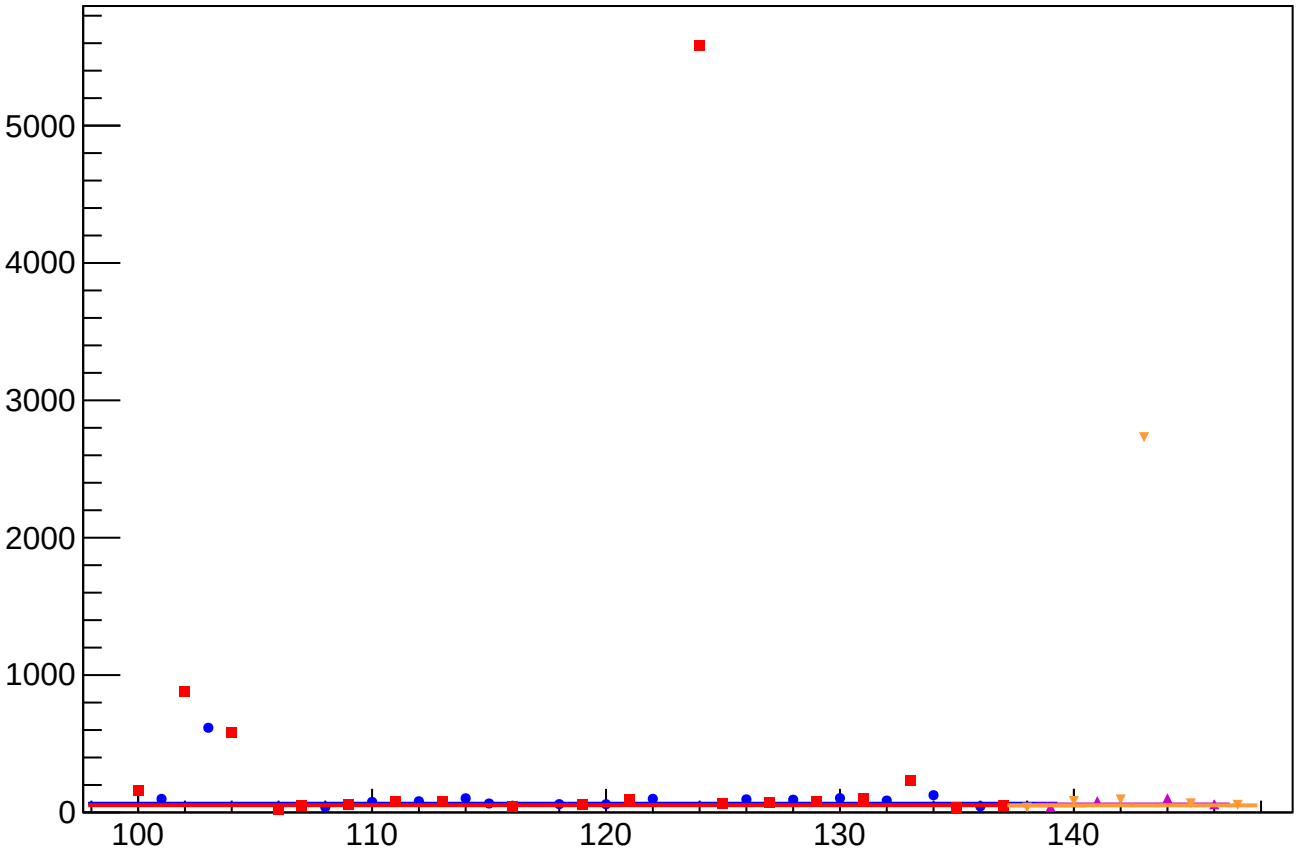
Left: 0.004+/-0.023 χ^2/NDF: 13.0/9

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.021 χ^2/NDF:16.2/19

Out: 0.033+/-0.019 χ^2/NDF:23.0/24

All: 0.017+/-0.014 χ^2/NDF: 40.7/44



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 51.847+/-0.022 χ^2/NDF:2319571.0/5

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.813+/-0.025 χ^2/NDF:725479.0/3

Left: 54.441+/-0.016 χ^2/NDF: 3078146.8/9

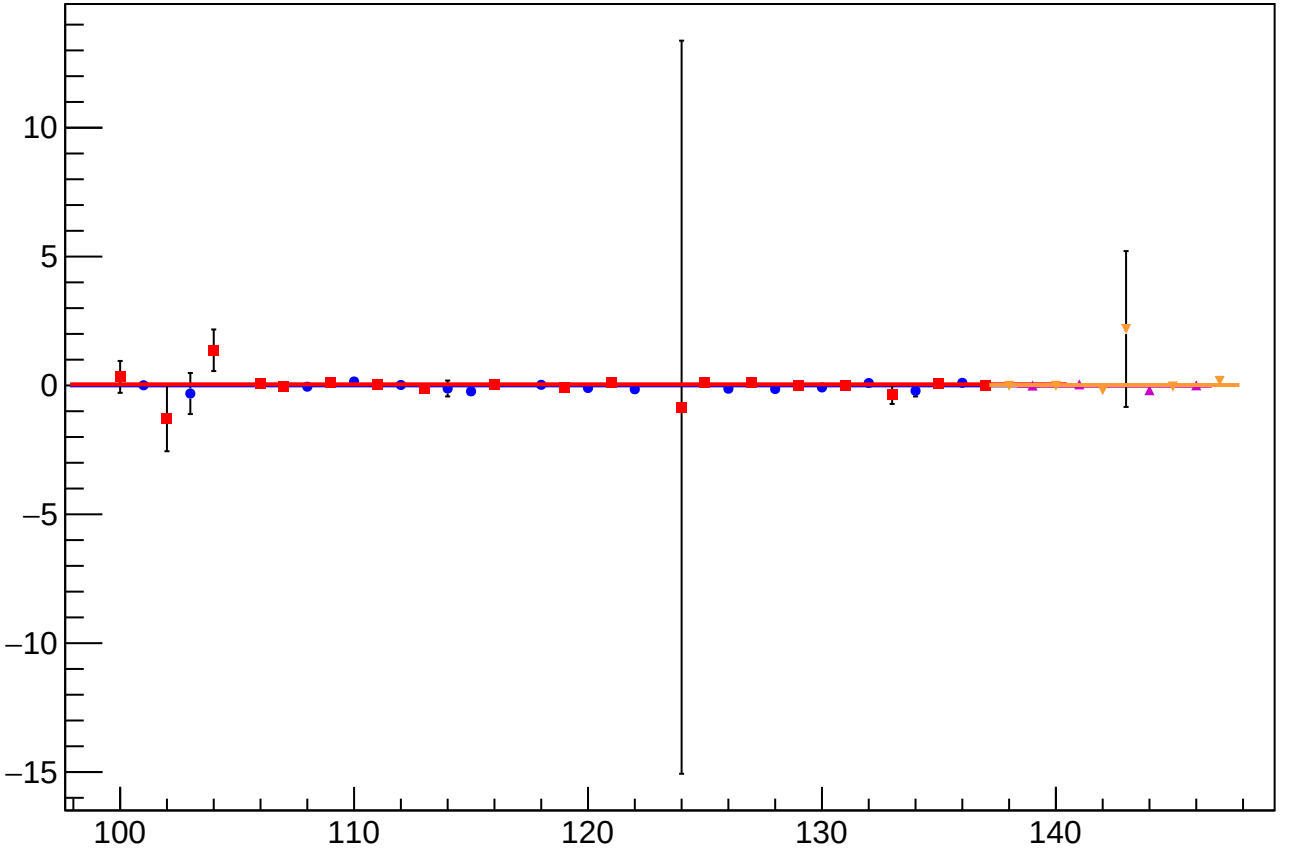
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.318+/-0.015 χ^2/NDF:3203277.6/19

Out: 52.666+/-0.014 χ^2/NDF:6267732.8/24

All: 56.532+/-0.010 χ^2/NDF: 9650985.3/44

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: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.011+/-0.035 χ^2/NDF:2.8/3

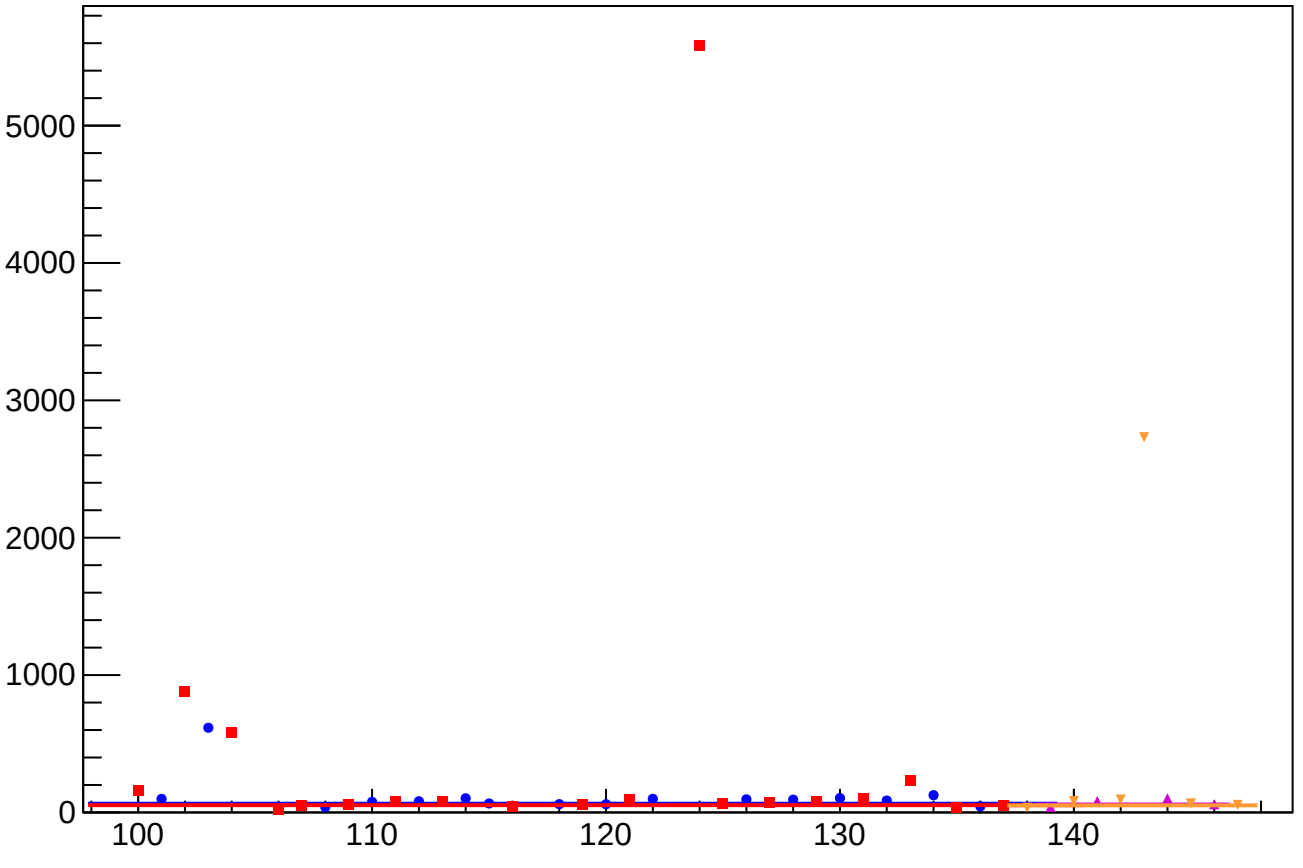
Left: 0.004+/-0.023 χ^2/NDF: 13.0/9

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.021 χ^2/NDF:16.2/19

Out: 0.033+/-0.019 χ^2/NDF:23.0/24

All: 0.017+/-0.014 χ^2/NDF: 40.7/44



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 51.847+/-0.022 χ^2/NDF:2319571.0/5

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.813+/-0.025 χ^2/NDF:725479.0/3

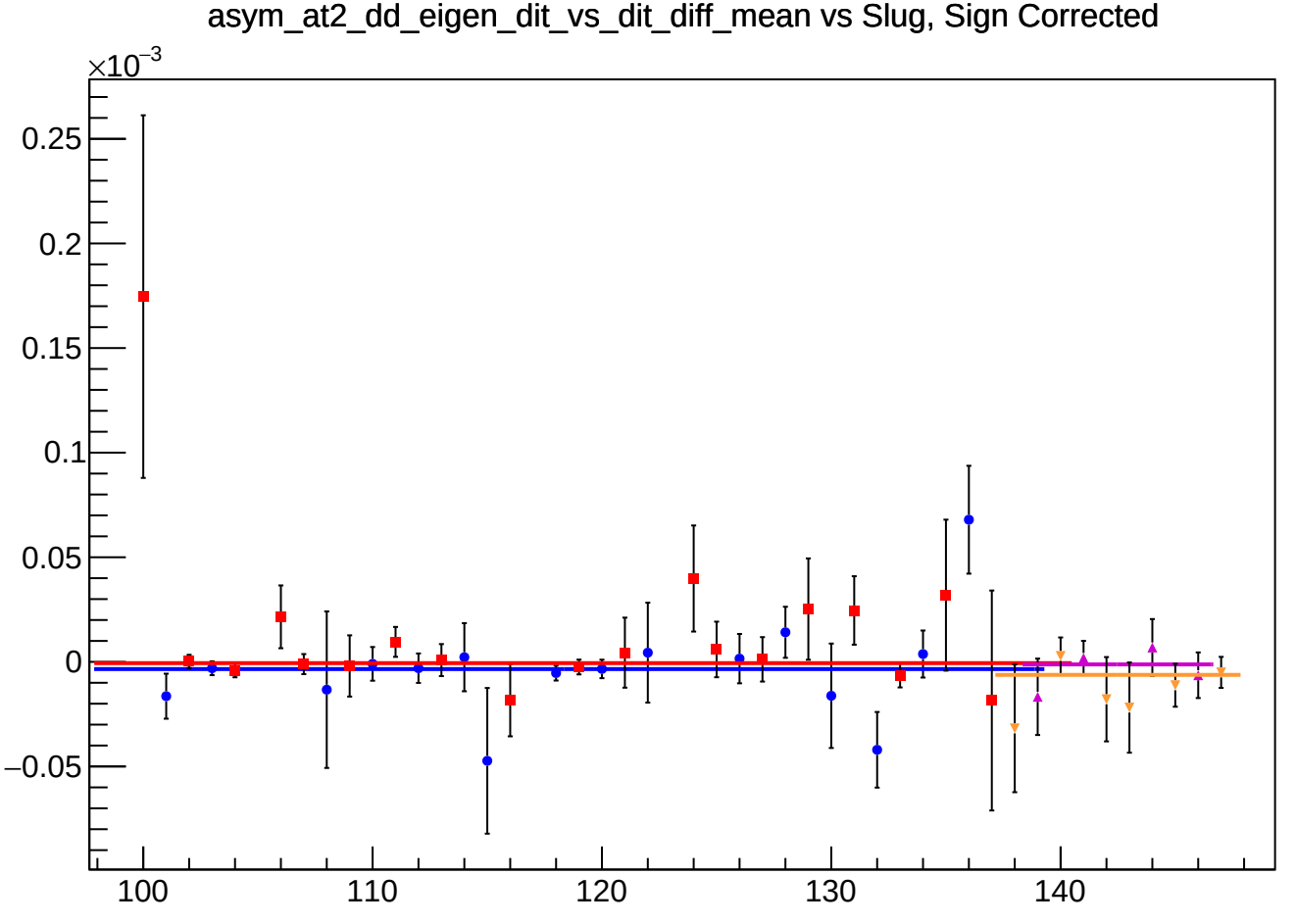
Left: 54.441+/-0.016 χ^2/NDF: 3078146.8/9

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.318+/-0.015 χ^2/NDF:3203277.6/19

Out: 52.666+/-0.014 χ^2/NDF:6267732.8/24

All: 56.532+/-0.010 χ^2/NDF: 9650985.3/44



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

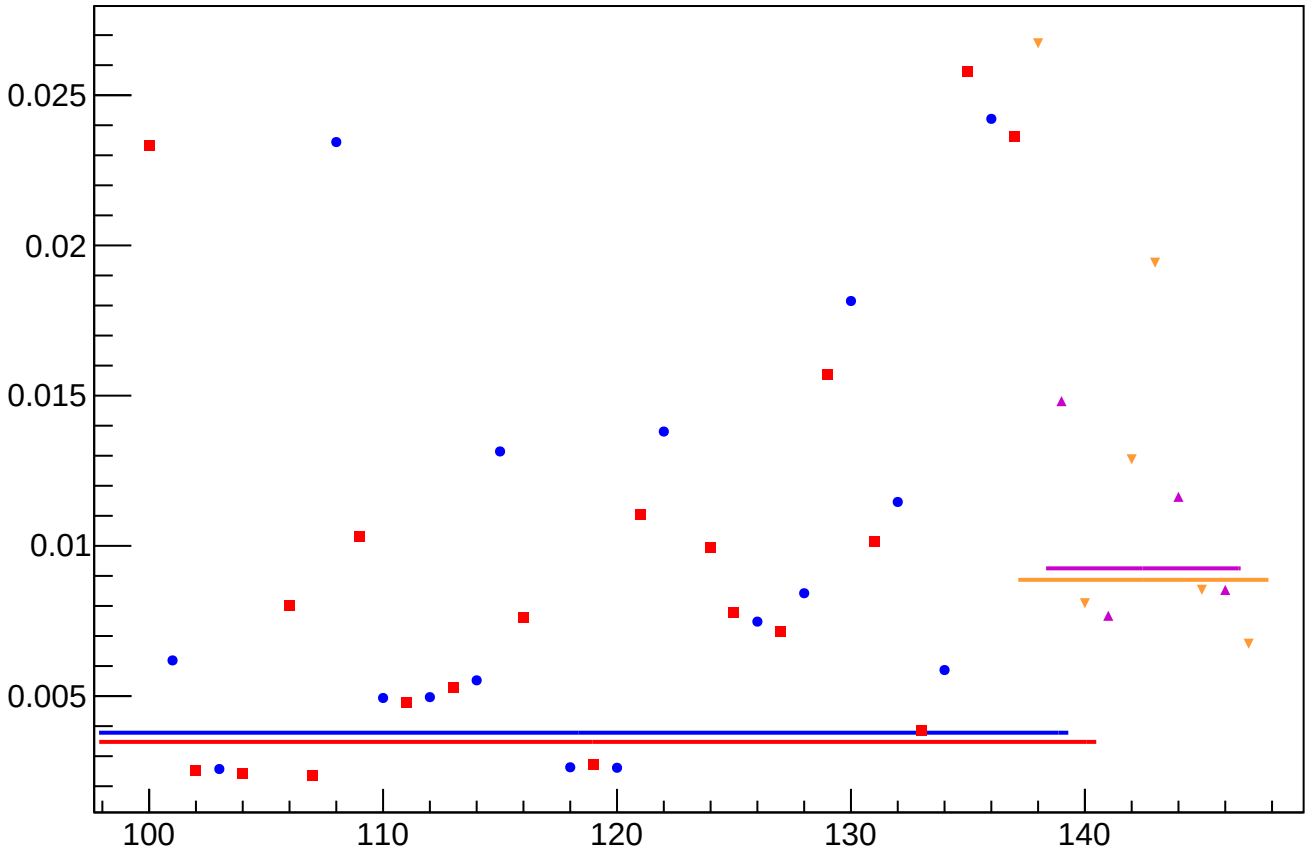
Left: -0.000+/-0.000 χ^2/NDF: 4.8/9

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:20.5/19

Out: -0.000+/-0.000 χ^2/NDF:23.3/24

All: -0.000+/-0.000 χ^2/NDF: 44.6/44



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:1425243.6/5

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.009+/-0.000 χ^2/NDF:330237.6/3

Left: 0.009+/-0.000 χ^2/NDF: 1760969.6/9

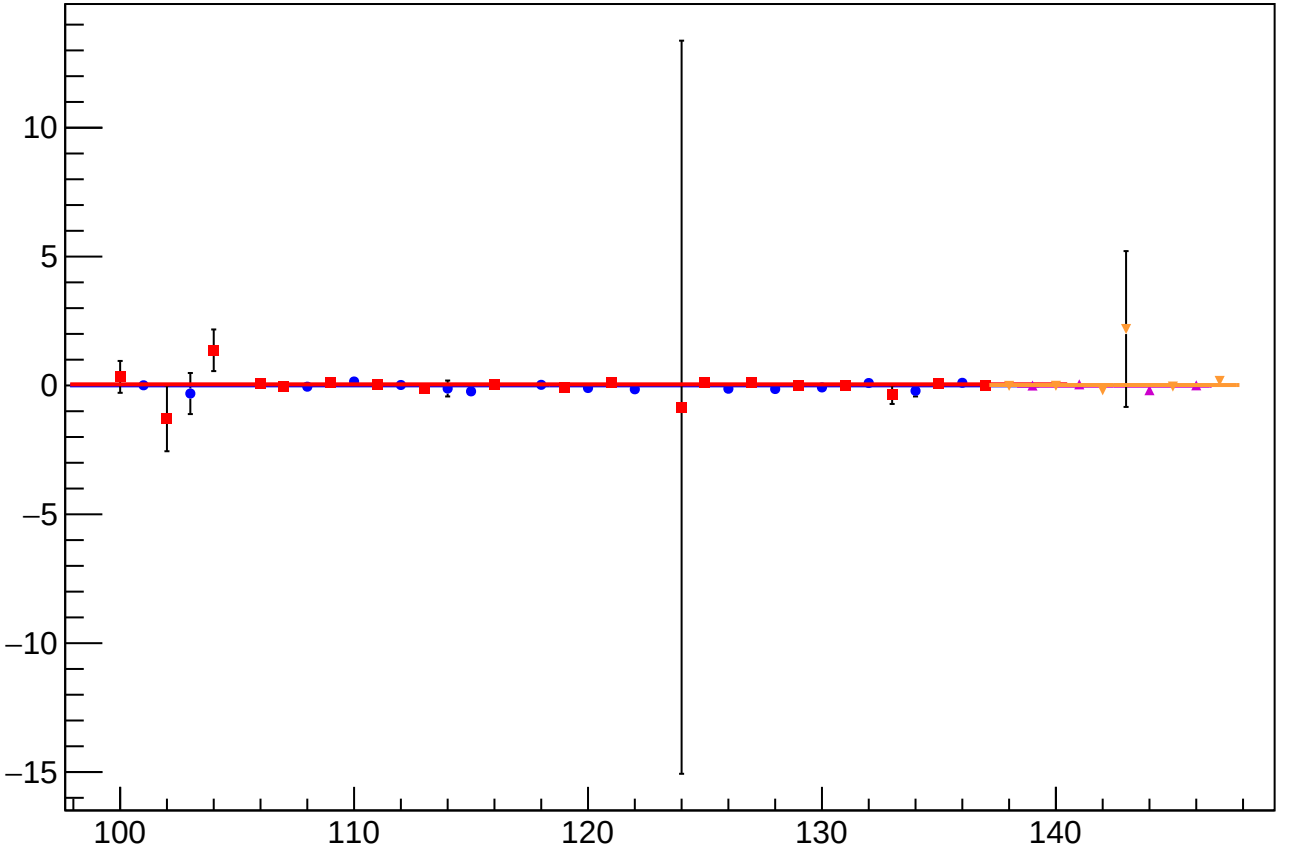
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:6769028.9/19

Out: 0.004+/-0.000 χ^2/NDF:8338495.1/24

All: 0.004+/-0.000 χ^2/NDF: 15141078.2/44

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: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.011+/-0.035 χ^2/NDF:2.8/3

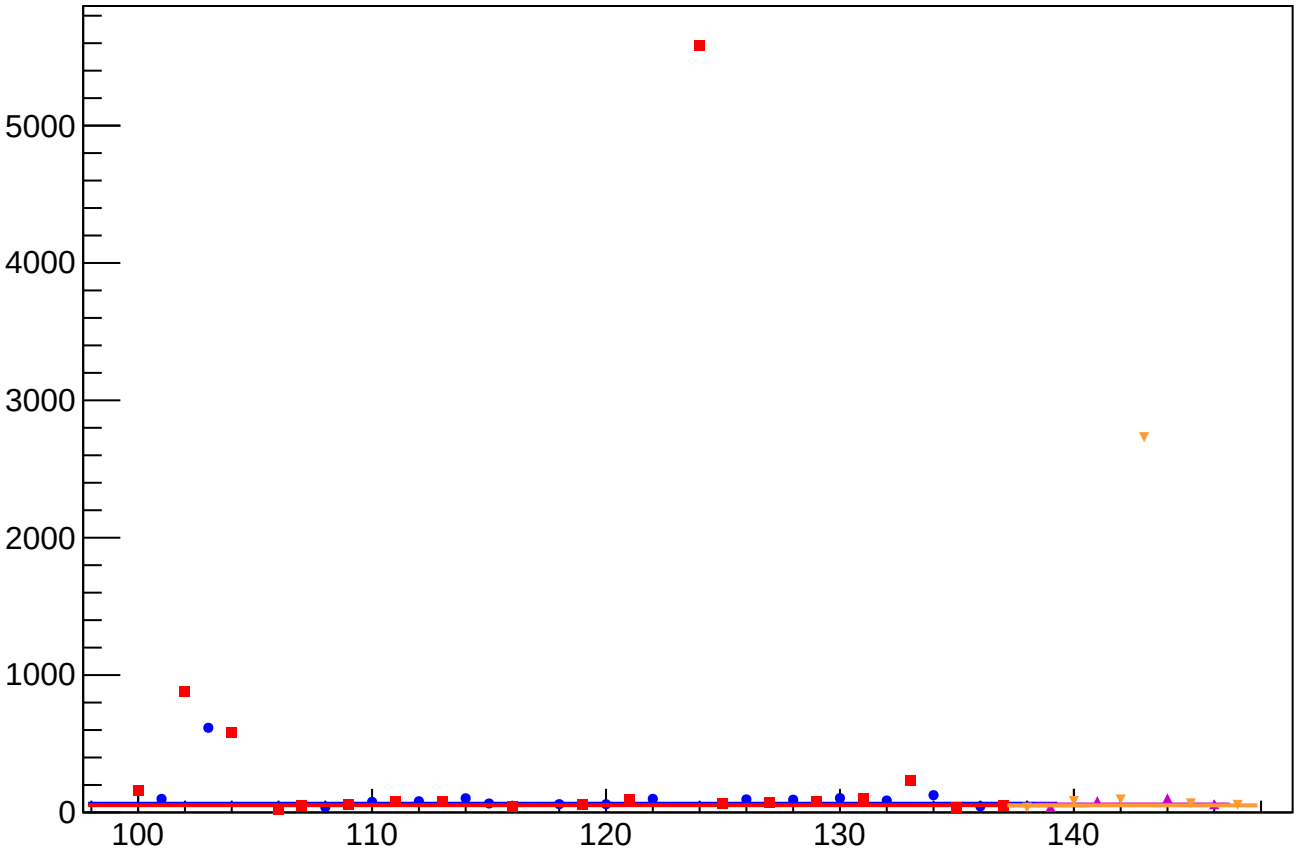
Left: 0.004+/-0.023 χ^2/NDF: 13.0/9

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.021 χ^2/NDF:16.2/19

Out: 0.033+/-0.019 χ^2/NDF:23.0/24

All: 0.017+/-0.014 χ^2/NDF: 40.7/44



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 51.844+/-0.022 χ^2/NDF:2319472.4/5

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.820+/-0.025 χ^2/NDF:725126.3/3

Left: 54.443+/-0.016 χ^2/NDF: 3077806.6/9

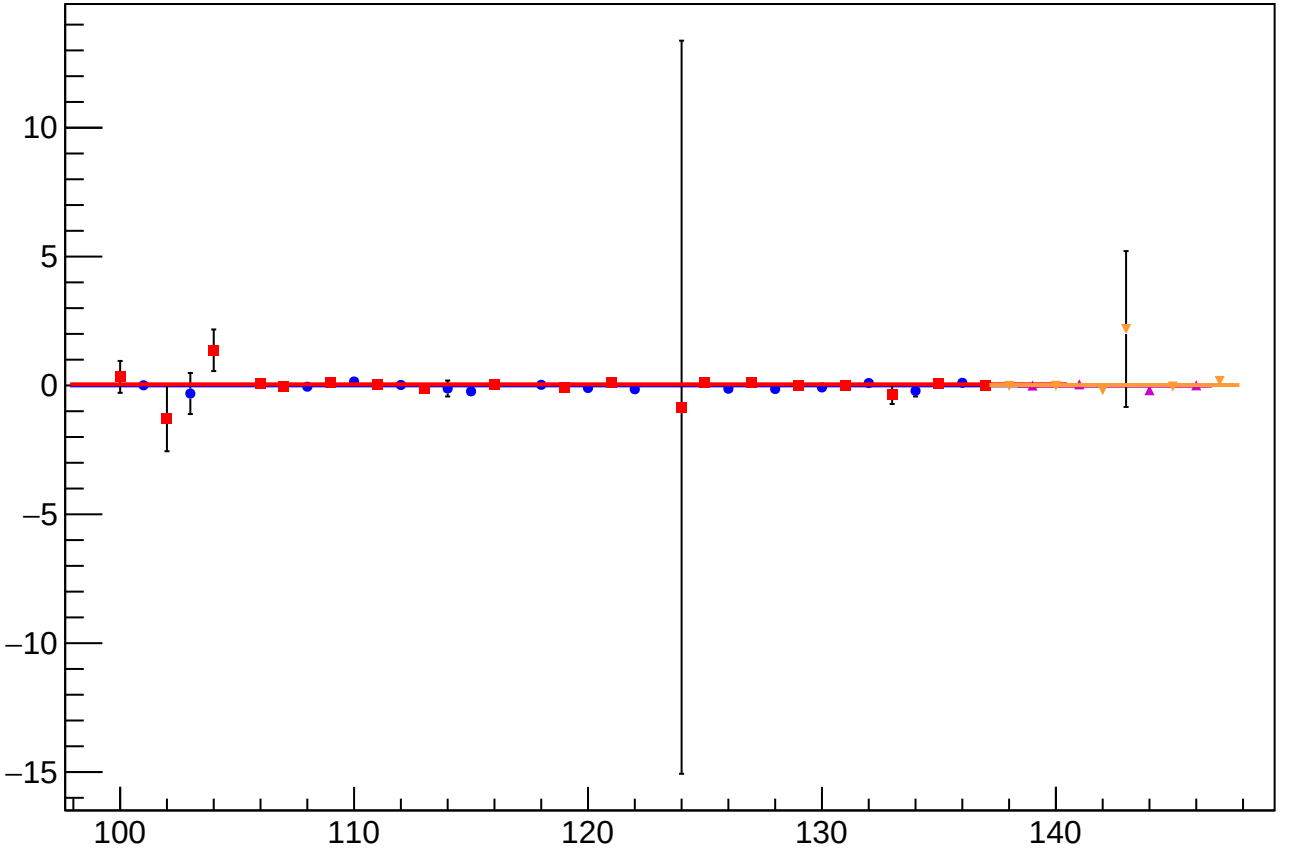
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.327+/-0.015 χ^2/NDF:3202032.2/19

Out: 52.662+/-0.014 χ^2/NDF:6268173.9/24

All: 56.533+/-0.010 χ^2/NDF: 9650689.4/44

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: 0.016+/-0.031 χ^2/NDF:9.9/5

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.011+/-0.035 χ^2/NDF:2.8/3

Left: 0.004+/-0.023 χ^2/NDF: 13.0/9

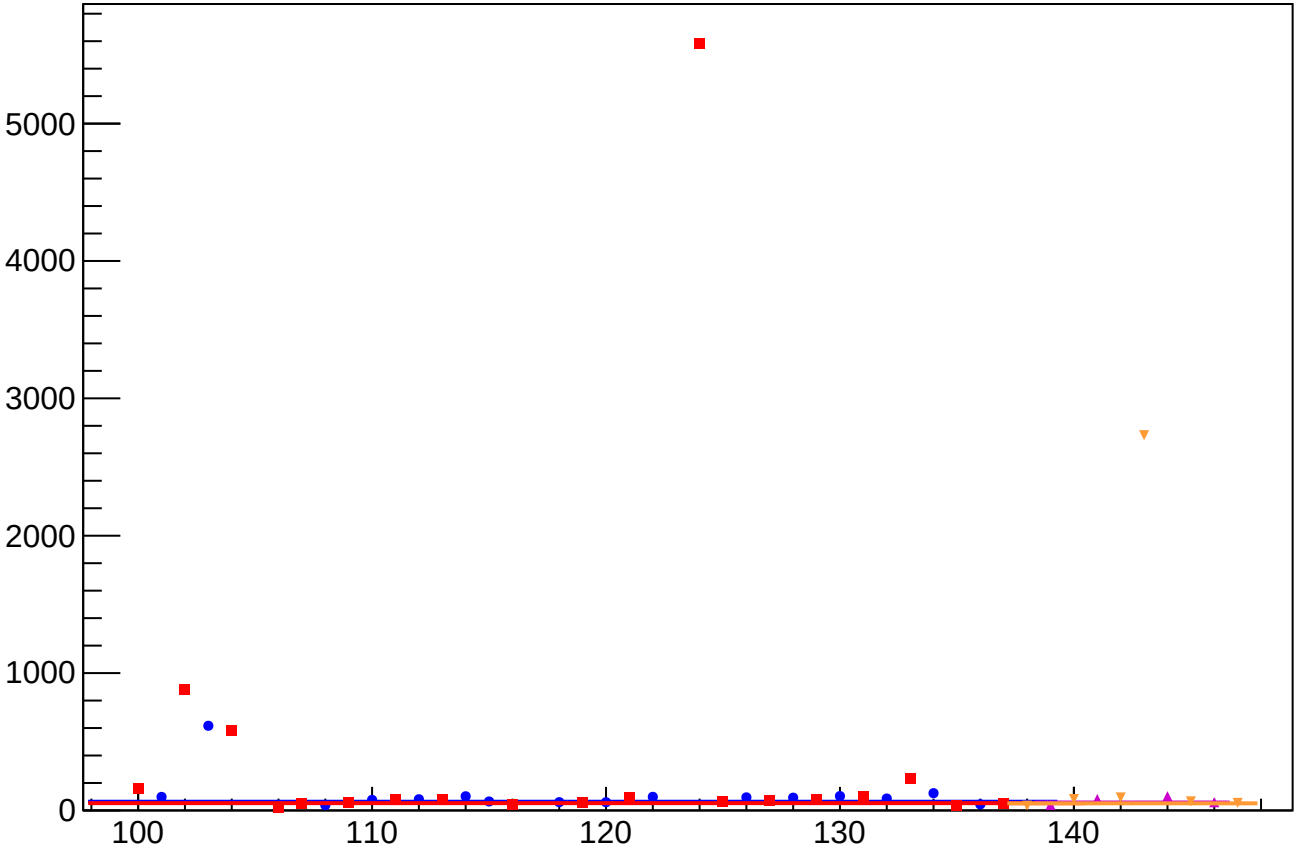
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.021 χ^2/NDF:16.2/19

Out: 0.033+/-0.019 χ^2/NDF:23.0/24

All: 0.017+/-0.014 χ^2/NDF: 40.7/44

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: 51.844+/-0.022 χ^2/NDF:2319472.4/5

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.820+/-0.025 χ^2/NDF:725126.3/3

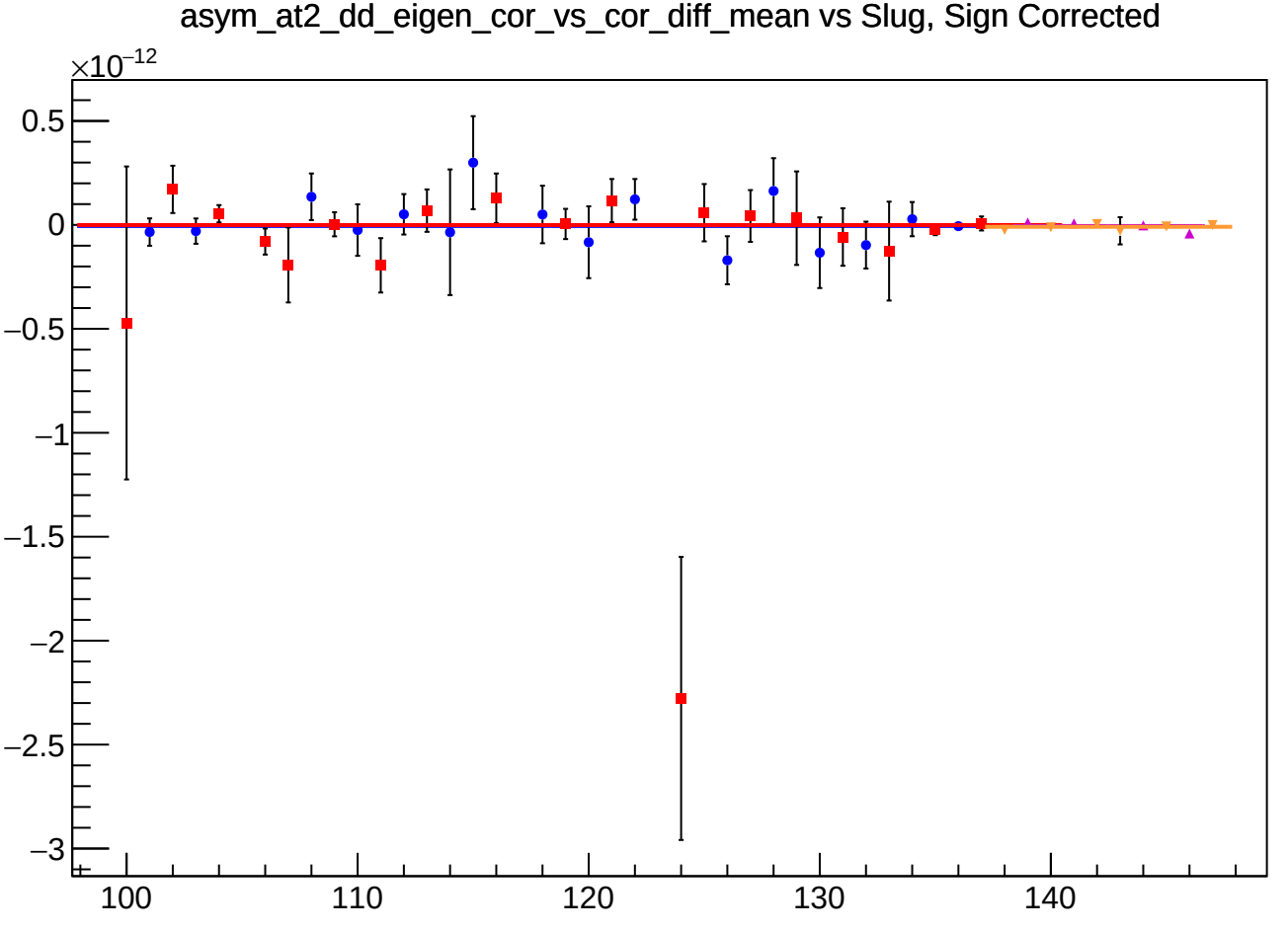
Left: 54.443+/-0.016 χ^2/NDF: 3077806.6/9

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.327+/-0.015 χ^2/NDF:3202032.2/19

Out: 52.662+/-0.014 χ^2/NDF:6268173.9/24

All: 56.533+/-0.010 χ^2/NDF: 9650689.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/3

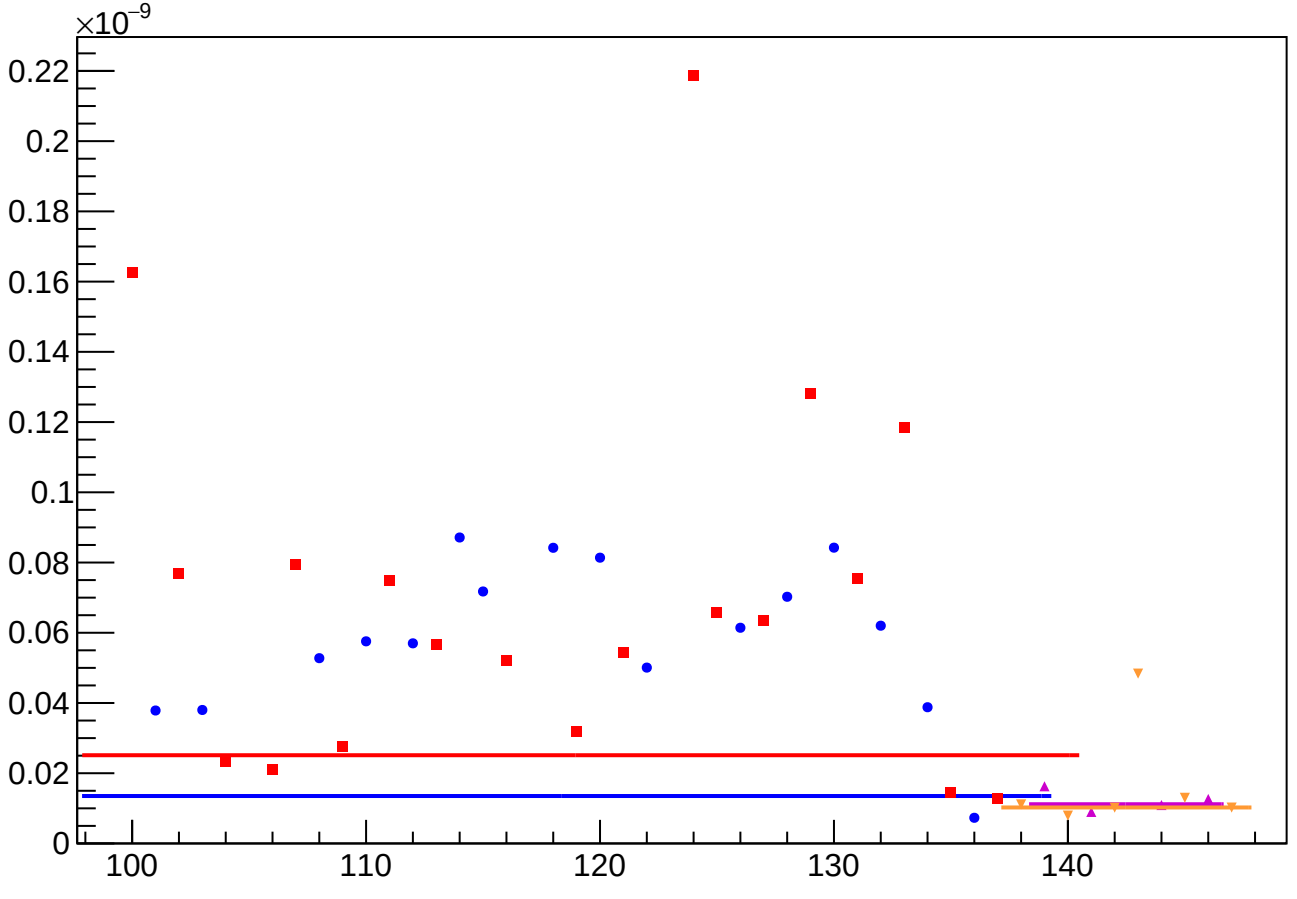
Left: -0.000+/-0.000 χ^2/NDF: 8.9/9

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.6/19

Out: -0.000+/-0.000 χ^2/NDF:27.3/24

All: -0.000+/-0.000 χ^2/NDF: 45.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:840134.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:192061.3/3

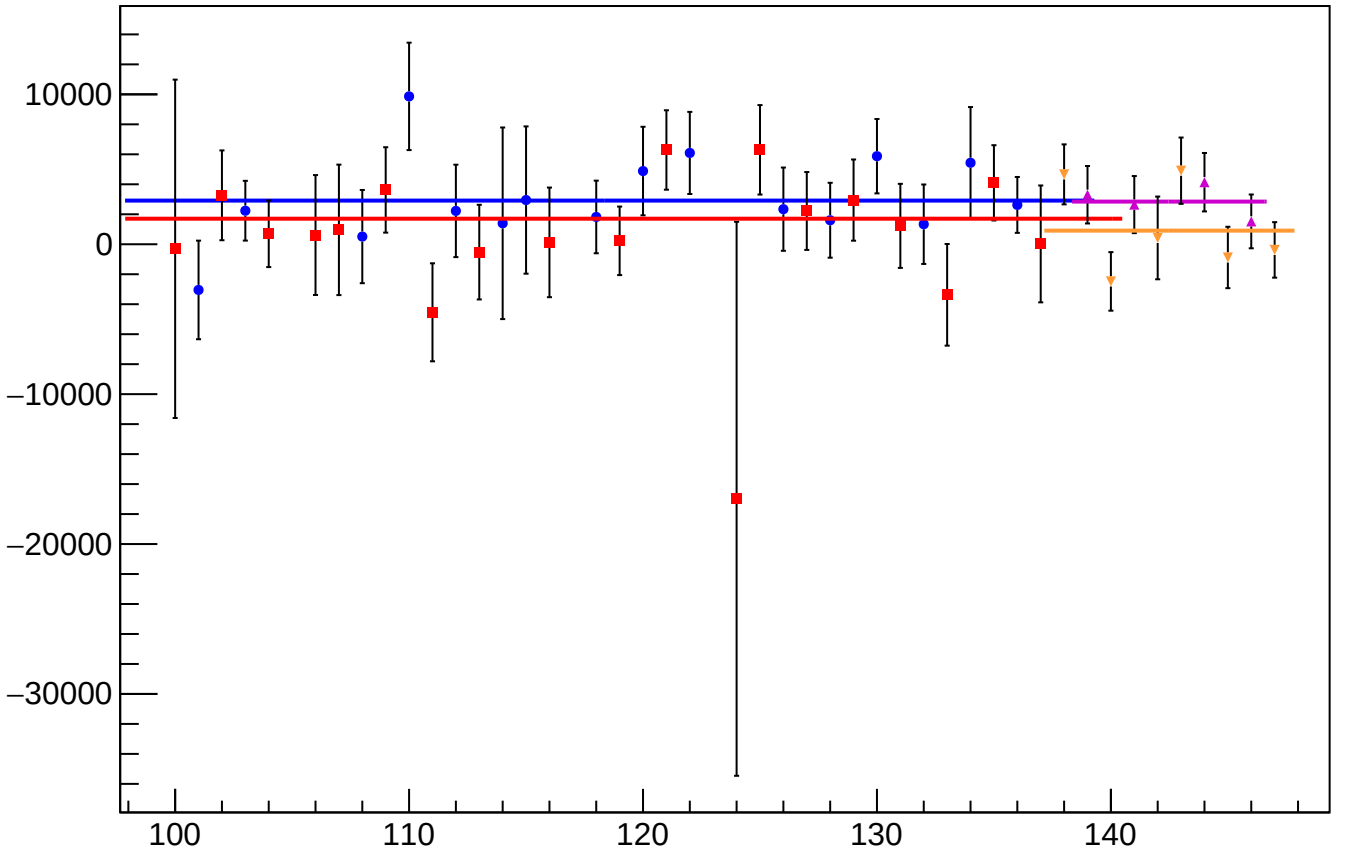
Left: 0.000+/-0.000 χ^2/NDF: 1050009.2/9

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5253654.0/19

Out: 0.000+/-0.000 χ^2/NDF:6080102.4/24

All: 0.000+/-0.000 χ^2/NDF: 11341154.9/44



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 908.781+/-851.985 χ^2/NDF:11.1/5

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2845.766+/-944.148 χ^2/NDF:1.1/3

Left: 1778.145+/-632.525 χ^2/NDF: 14.4/9

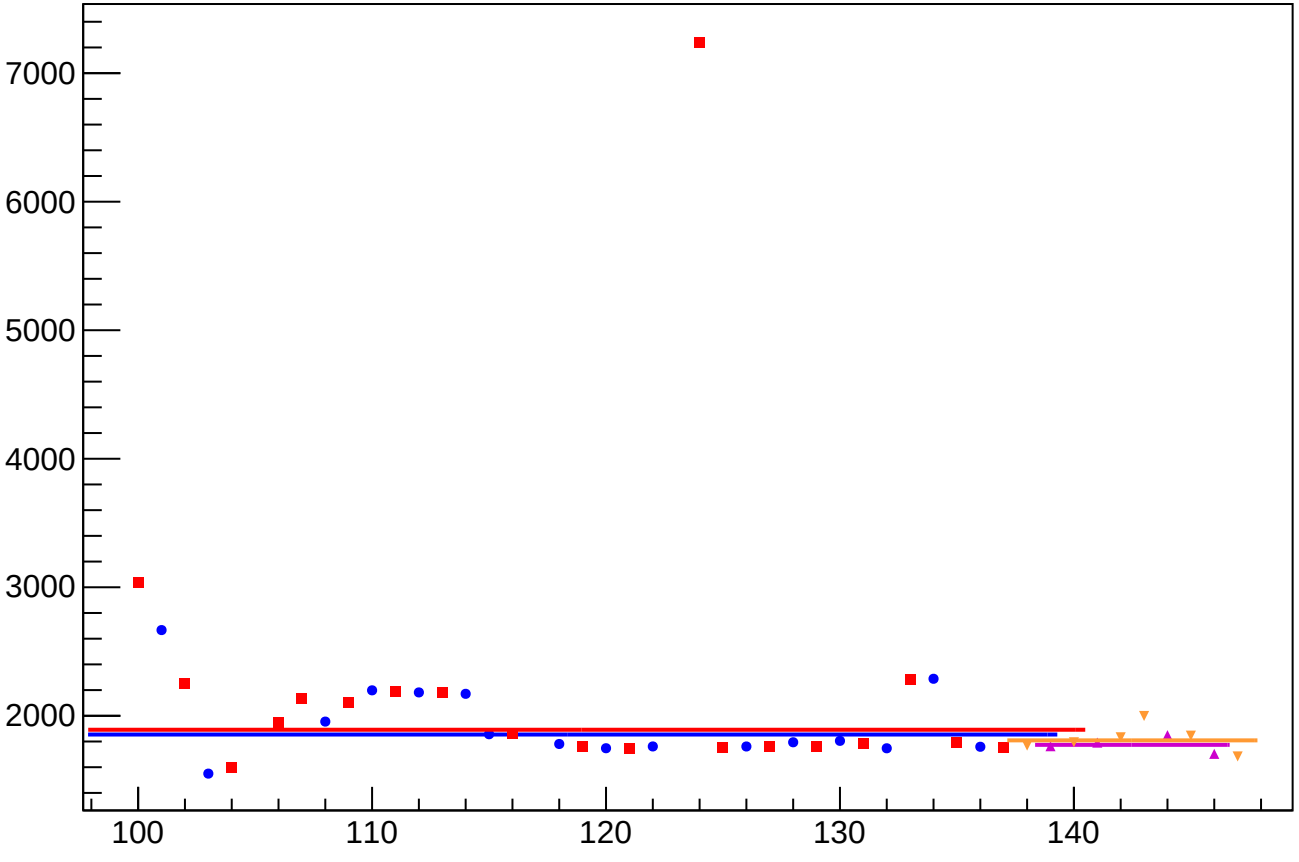
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2889.363+/-559.741 χ^2/NDF:13.5/19

Out: 1380.330+/-544.000 χ^2/NDF:27.4/24

All: 2113.330+/-390.112 χ^2/NDF: 44.6/44

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1808.856+/-0.602 χ^2/NDF:25577.5/5

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

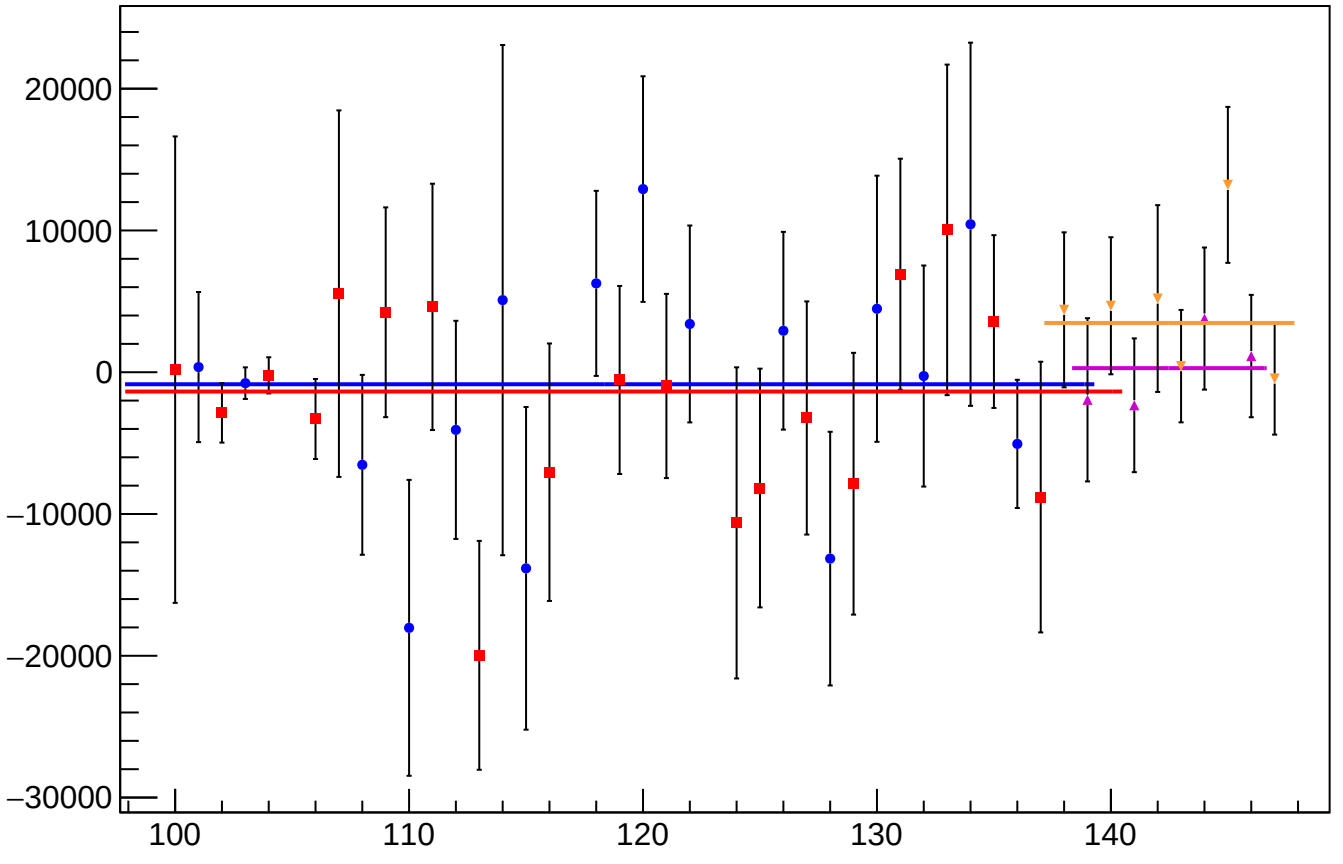
Left: 1793.241+/-0.447 χ^2/NDF: 33333.6/9

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1826.109+/-0.396 χ^2/NDF:278952.1/19

Out: 1857.881+/-0.384 χ^2/NDF:400787.2/24

All: 1842.469+/-0.276 χ^2/NDF: 683057.6/44



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 3474.944+/-1961.460 χ^2/NDF:4.9/5

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 288.346+/-2435.519 χ^2/NDF:1.0/3

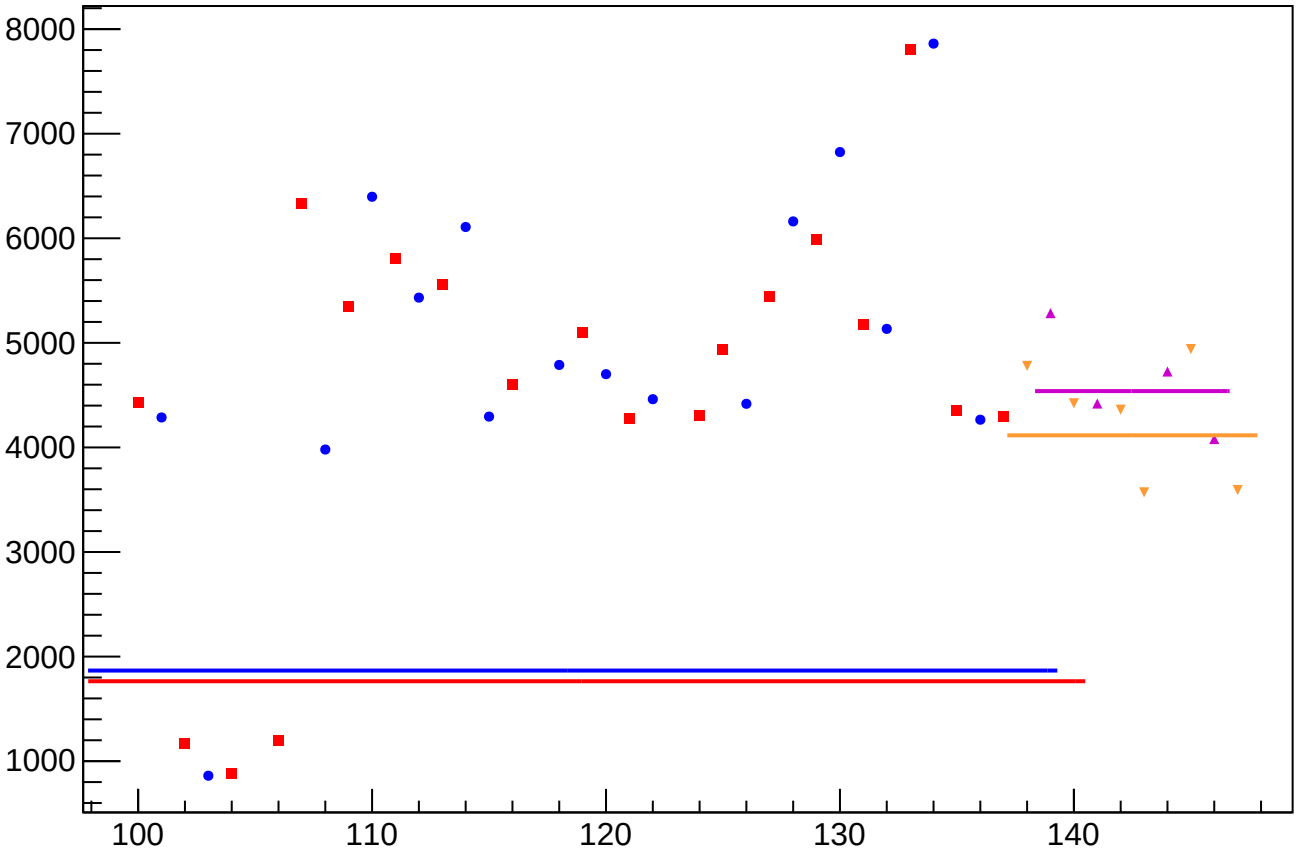
Left: 2221.259+/-1527.644 χ^2/NDF: 6.9/9

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -694.366+/-895.472 χ^2/NDF:15.0/19

Out: -495.712+/-829.902 χ^2/NDF:23.9/24

All: -587.500+/-608.692 χ^2/NDF: 38.9/44



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4116.087+/-1.387 χ^2/NDF:158079.5/5

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4538.816+/-1.722 χ^2/NDF:60162.5/3

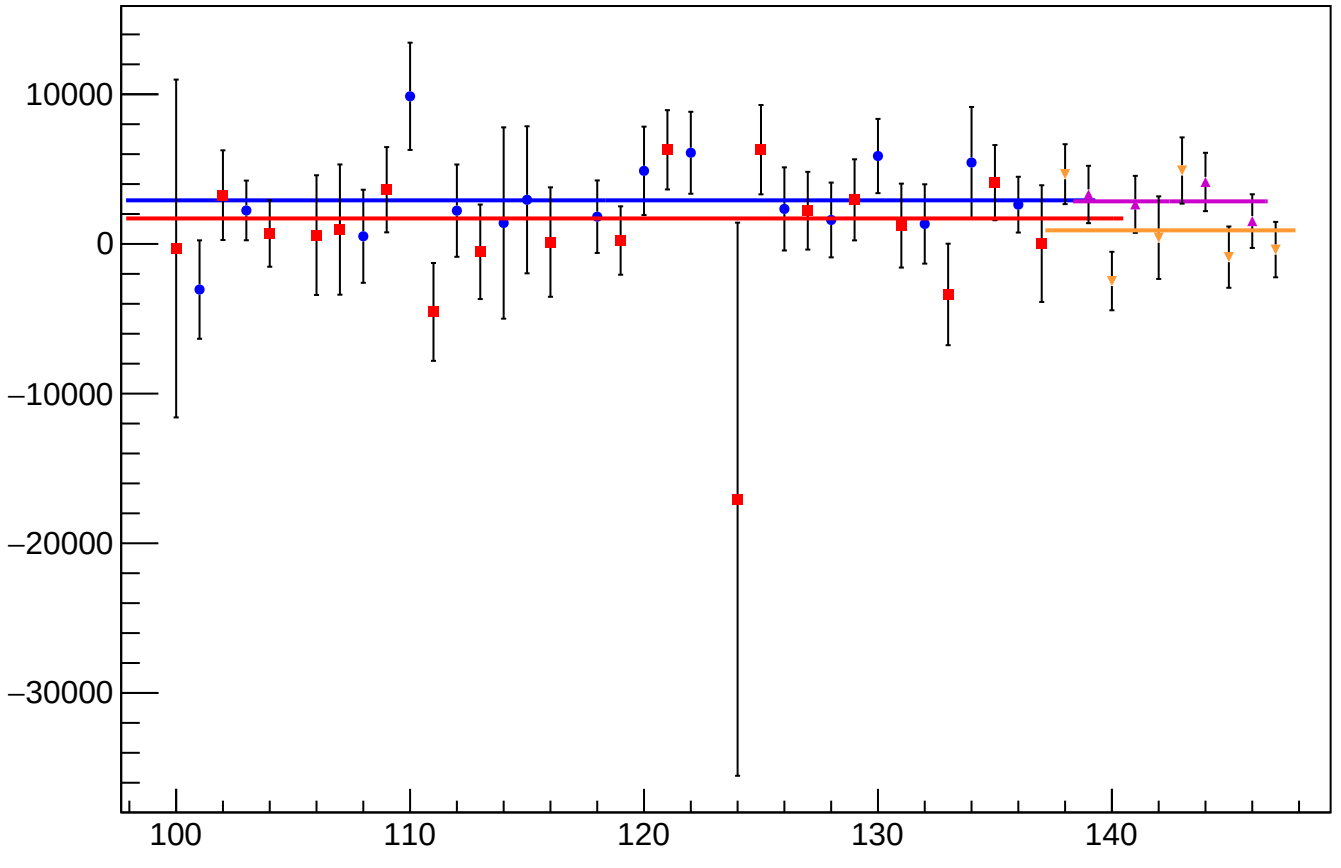
Left: 4282.399+/-1.080 χ^2/NDF: 254789.4/9

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2227.669+/-0.633 χ^2/NDF:8992266.3/19

Out: 2185.295+/-0.587 χ^2/NDF:8953407.6/24

All: 2204.874+/-0.430 χ^2/NDF: 17948083.0/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 908.668+/-851.985 χ^2/NDF:11.1/5

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2846.029+/-944.148 χ^2/NDF:1.1/3

Left: 1778.200+/-632.525 χ^2/NDF: 14.4/9

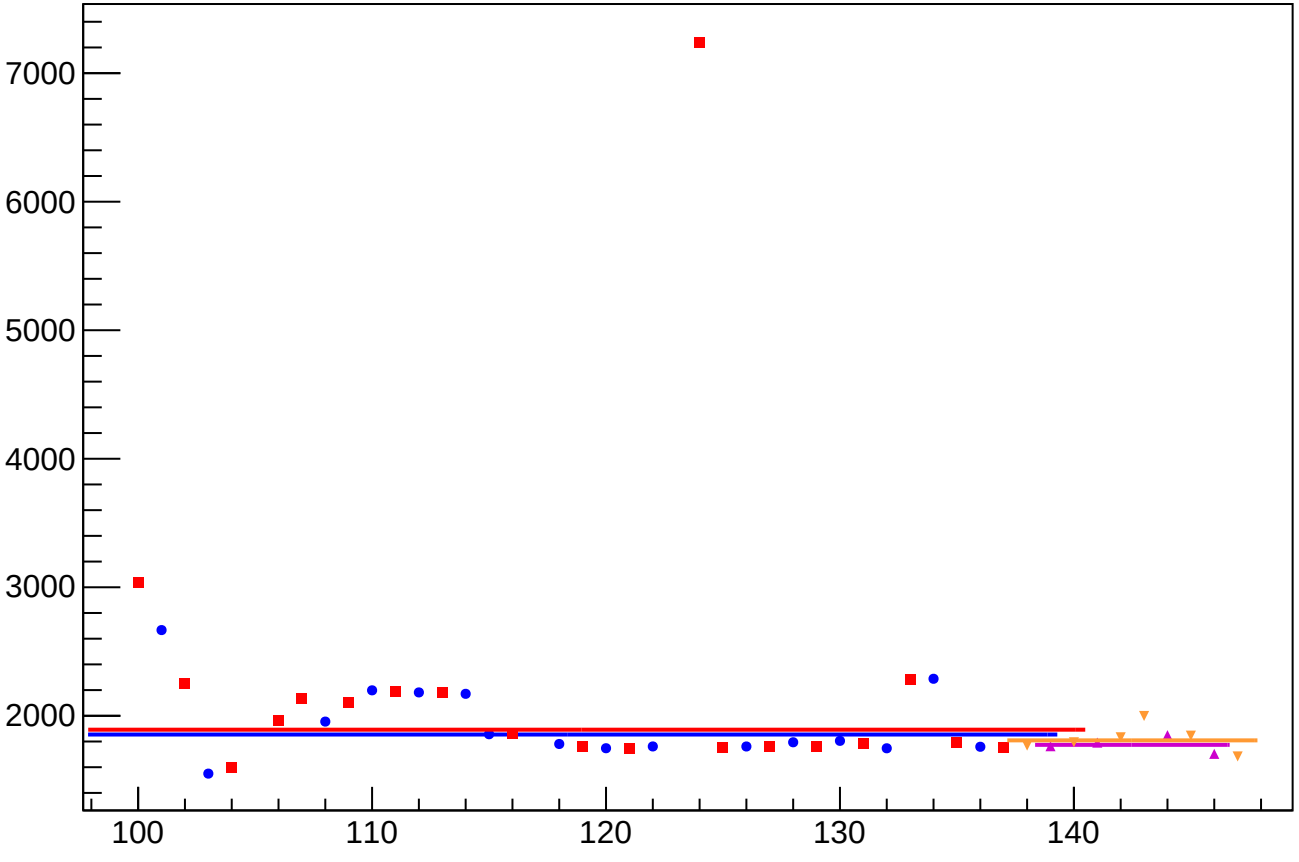
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2889.520+/-559.741 χ^2/NDF:13.5/19

Out: 1379.466+/-544.000 χ^2/NDF:27.4/24

All: 2112.962+/-390.112 χ^2/NDF: 44.7/44

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1808.856+/-0.602 χ^2/NDF:25577.5/5

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

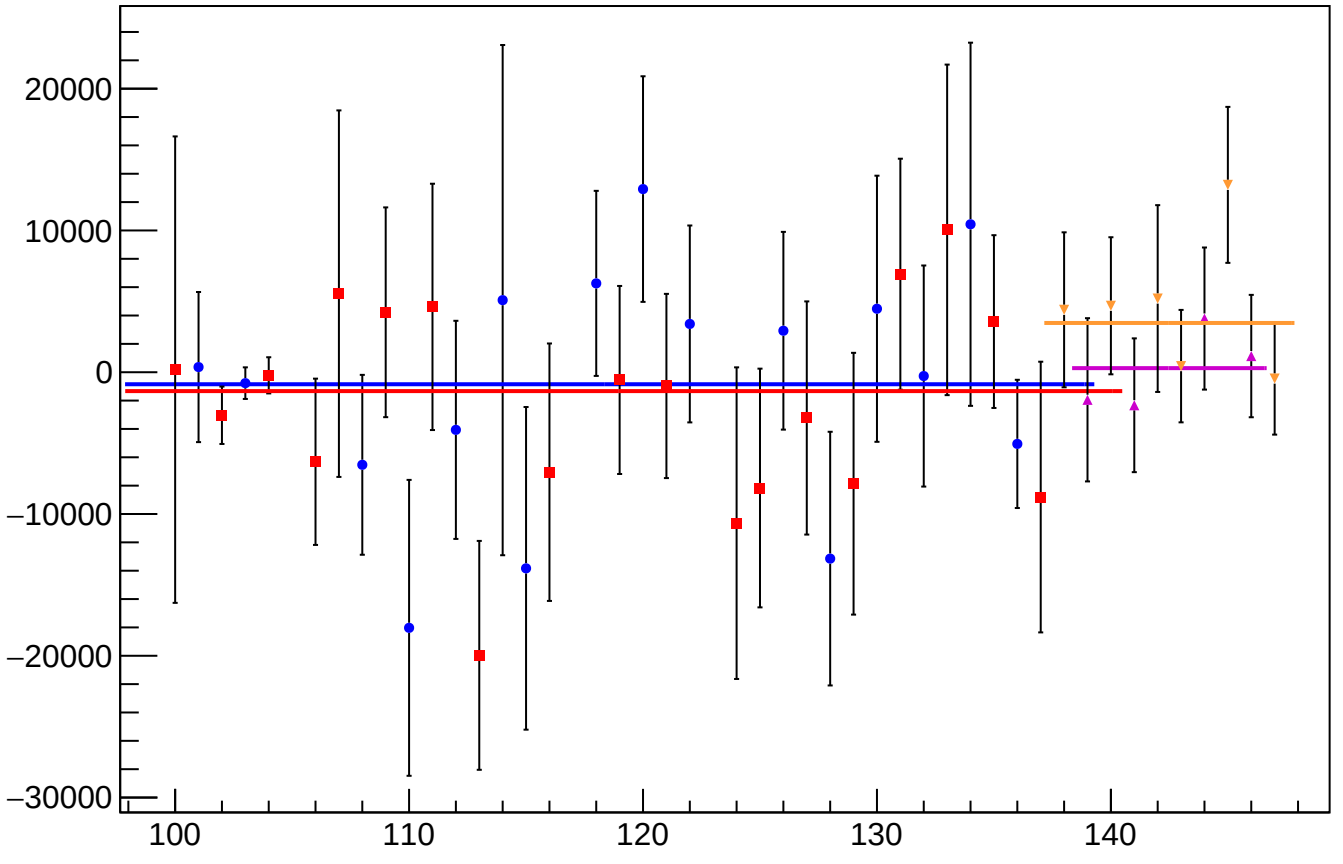
Left: 1793.241+/-0.447 χ^2/NDF: 33333.6/9

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1826.109+/-0.396 χ^2/NDF:278952.0/19

Out: 1858.144+/-0.384 χ^2/NDF:401150.9/24

All: 1842.603+/-0.276 χ^2/NDF: 683475.8/44



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 3474.802+/-1961.455 χ^2/NDF:4.9/5

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 288.449+/-2435.517 χ^2/NDF:1.0/3

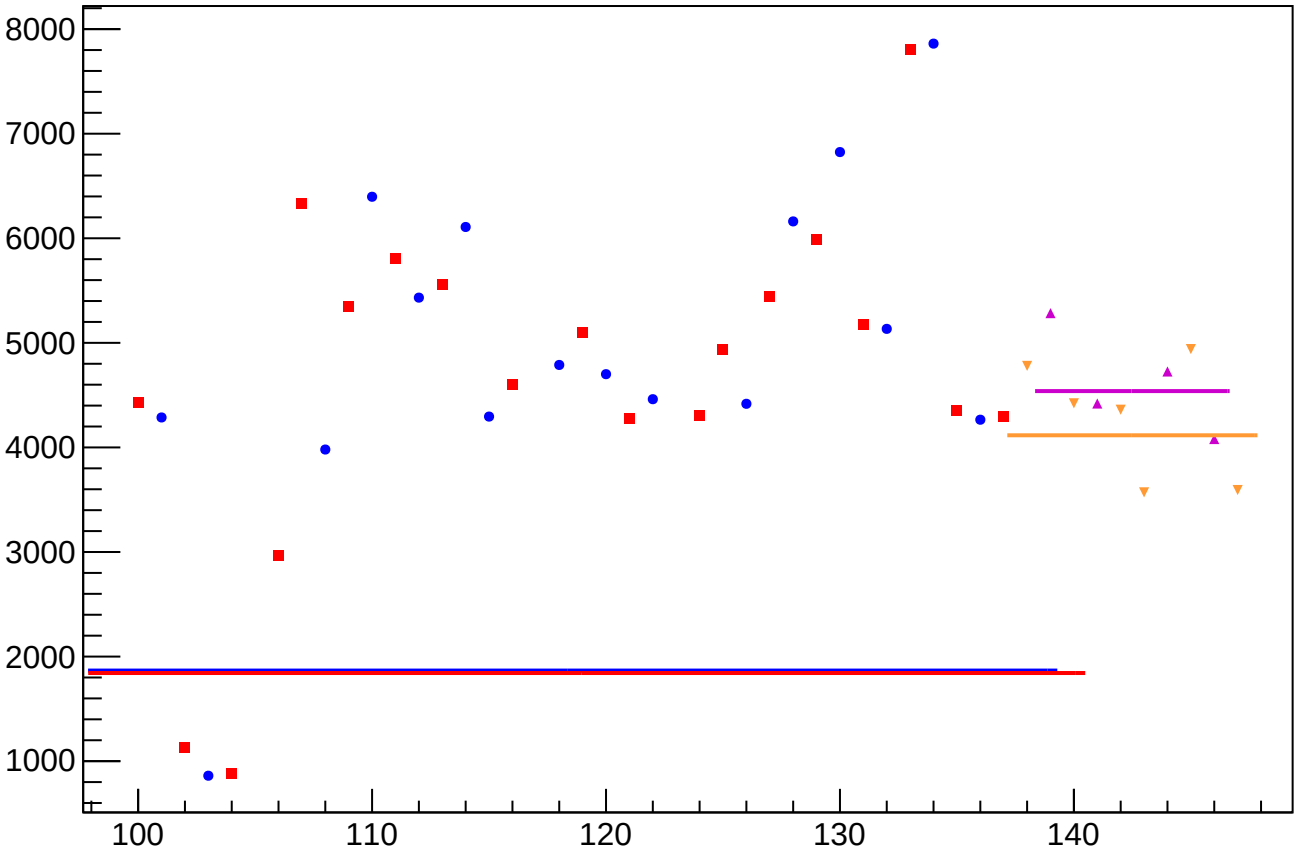
Left: 2221.217+/-1527.641 χ^2/NDF: 6.9/9

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -693.957+/-895.430 χ^2/NDF:15.0/19

Out: -421.021+/-853.656 χ^2/NDF:24.2/24

All: -550.974+/-617.866 χ^2/NDF: 39.3/44



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4116.076+/-1.387 χ^2/NDF:158081.1/5

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4538.812+/-1.722 χ^2/NDF:60162.4/3

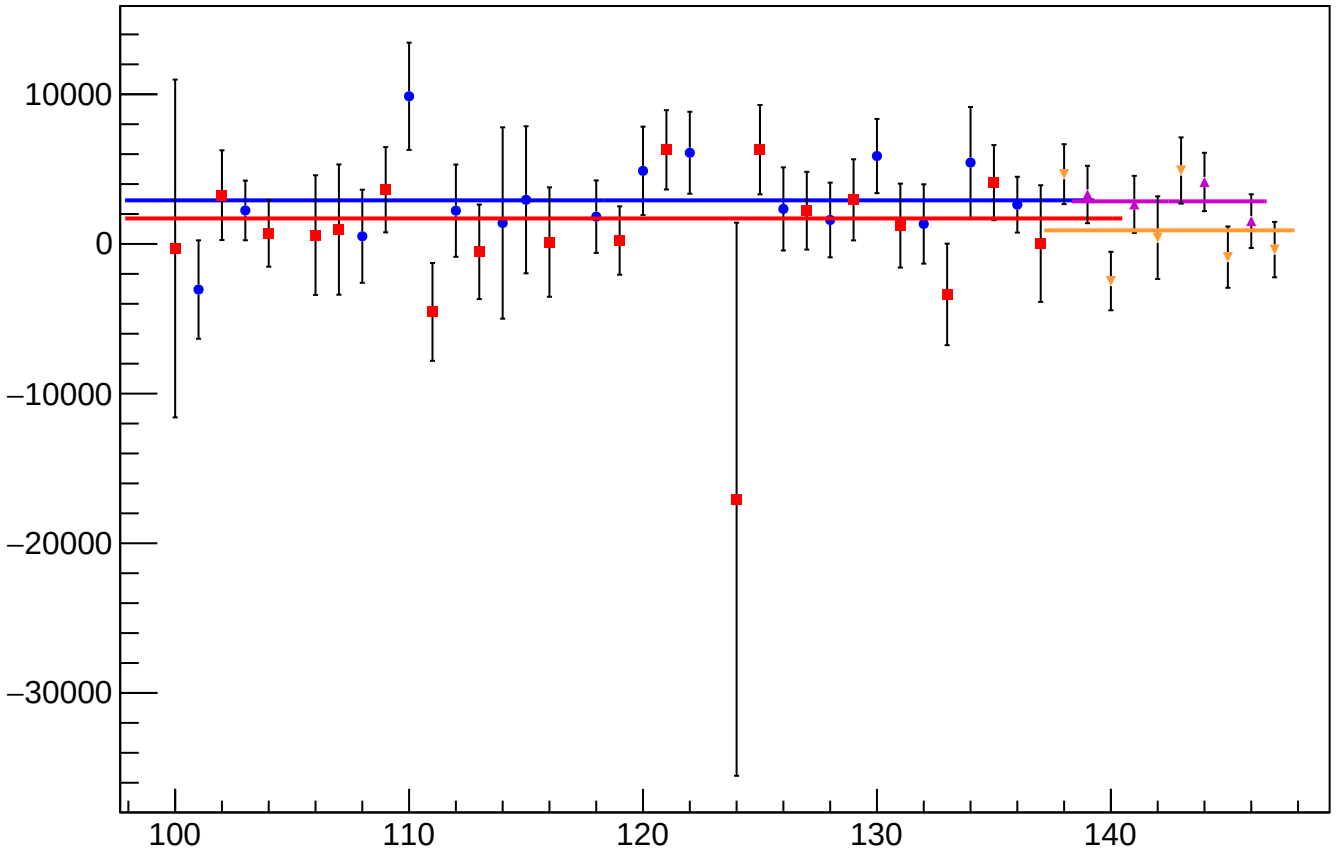
Left: 4282.390+/-1.080 χ^2/NDF: 254792.3/9

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2227.501+/-0.633 χ^2/NDF:8992955.6/19

Out: 2273.454+/-0.604 χ^2/NDF:8793975.9/24

All: 2251.574+/-0.437 χ^2/NDF: 17789690.8/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 908.668+/-851.985 χ^2/NDF:11.1/5

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2846.029+/-944.148 χ^2/NDF:1.1/3

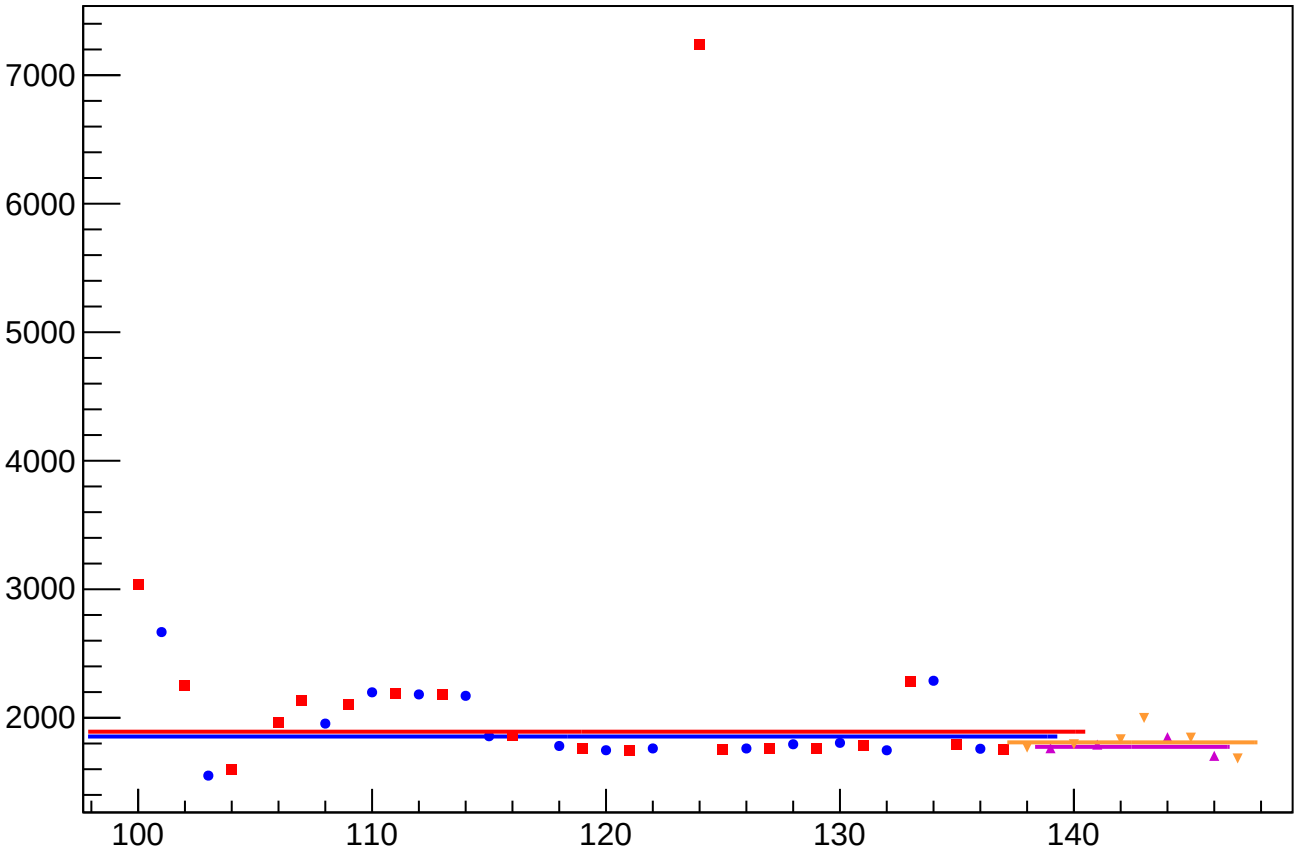
Left: 1778.200+/-632.525 χ^2/NDF: 14.4/9

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2889.520+/-559.741 χ^2/NDF:13.5/19

Out: 1379.466+/-544.000 χ^2/NDF:27.4/24

All: 2112.962+/-390.112 χ^2/NDF: 44.7/44



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1808.856+/-0.602 χ^2/NDF:25577.5/5

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1774.066+/-0.668 χ^2/NDF:6259.4/3

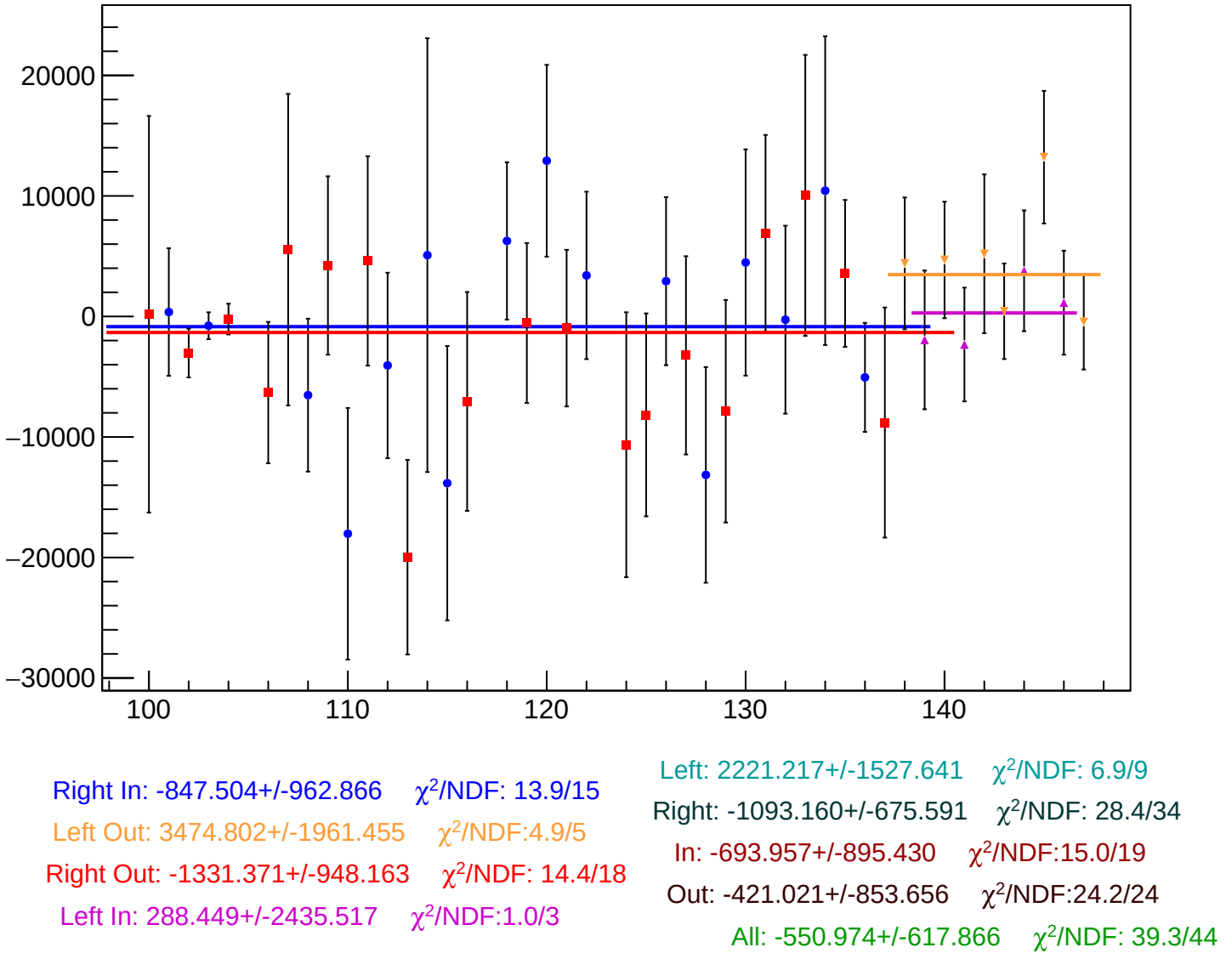
Left: 1793.241+/-0.447 χ^2/NDF: 33333.6/9

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

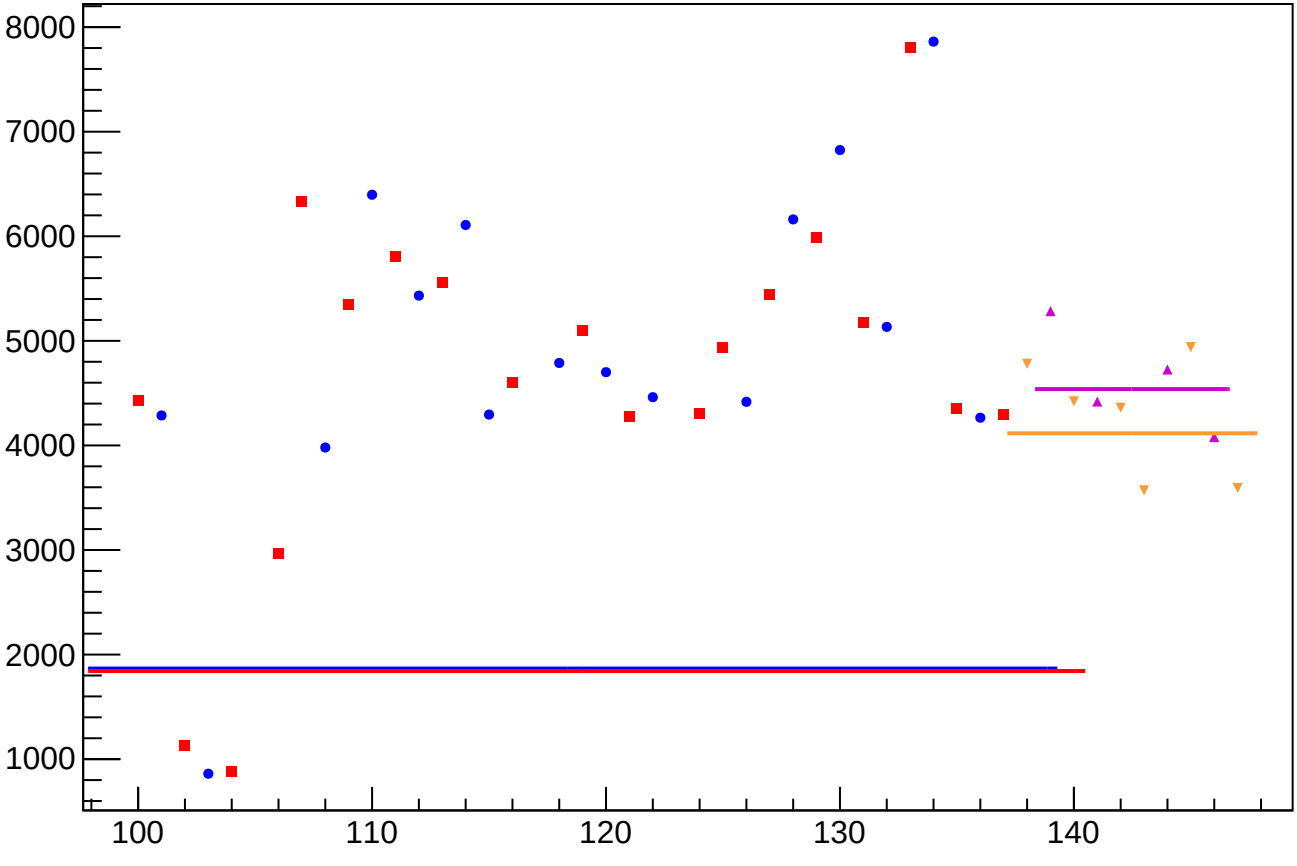
In: 1826.109+/-0.396 χ^2/NDF:278952.0/19

Out: 1858.144+/-0.384 χ^2/NDF:401150.9/24

All: 1842.603+/-0.276 χ^2/NDF: 683475.8/44


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 3474.802+/-1961.455 χ²/NDF:4.9/5
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: 288.449+/-2435.517 χ²/NDF:1.0/3
Left: 2221.217+/-1527.641 χ²/NDF: 6.9/9
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -693.957+/-895.430 χ²/NDF:15.0/19
Out: -421.021+/-853.656 χ²/NDF:24.2/24
All: -550.974+/-617.866 χ²/NDF: 39.3/44

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: 4116.076+/-1.387 χ^2/NDF:158081.1/5

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4538.812+/-1.722 χ^2/NDF:60162.4/3

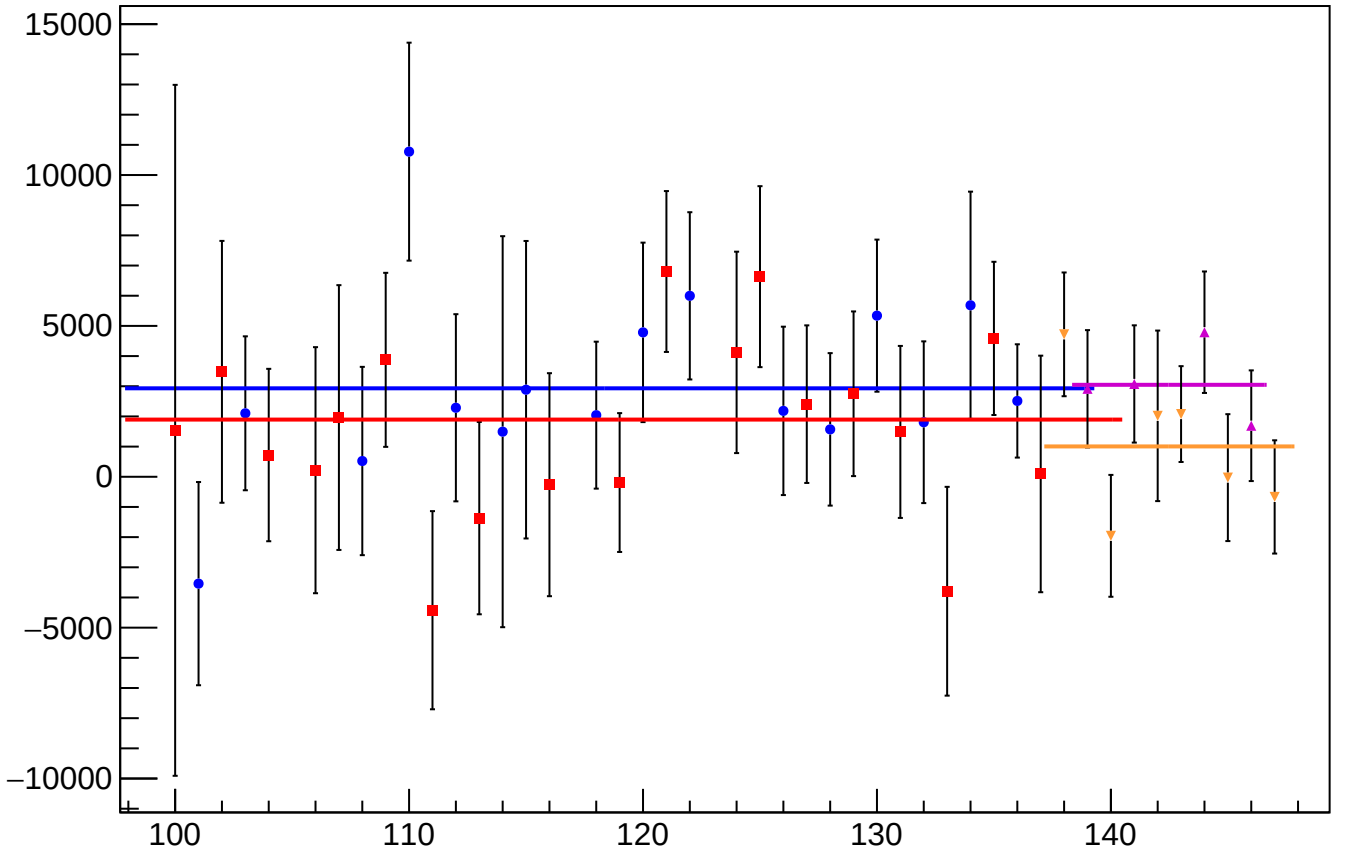
Left: 4282.390+/-1.080 χ^2/NDF: 254792.3/9

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2227.501+/-0.633 χ^2/NDF:8992955.6/19

Out: 2273.454+/-0.604 χ^2/NDF:8793975.9/24

All: 2251.574+/-0.437 χ^2/NDF: 17789690.8/4



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1005.825+/-812.431 χ^2/NDF:7.1/5

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 3047.597+/-965.176 χ^2/NDF:1.3/3

Left: 1852.553+/-621.548 χ^2/NDF: 11.0/9

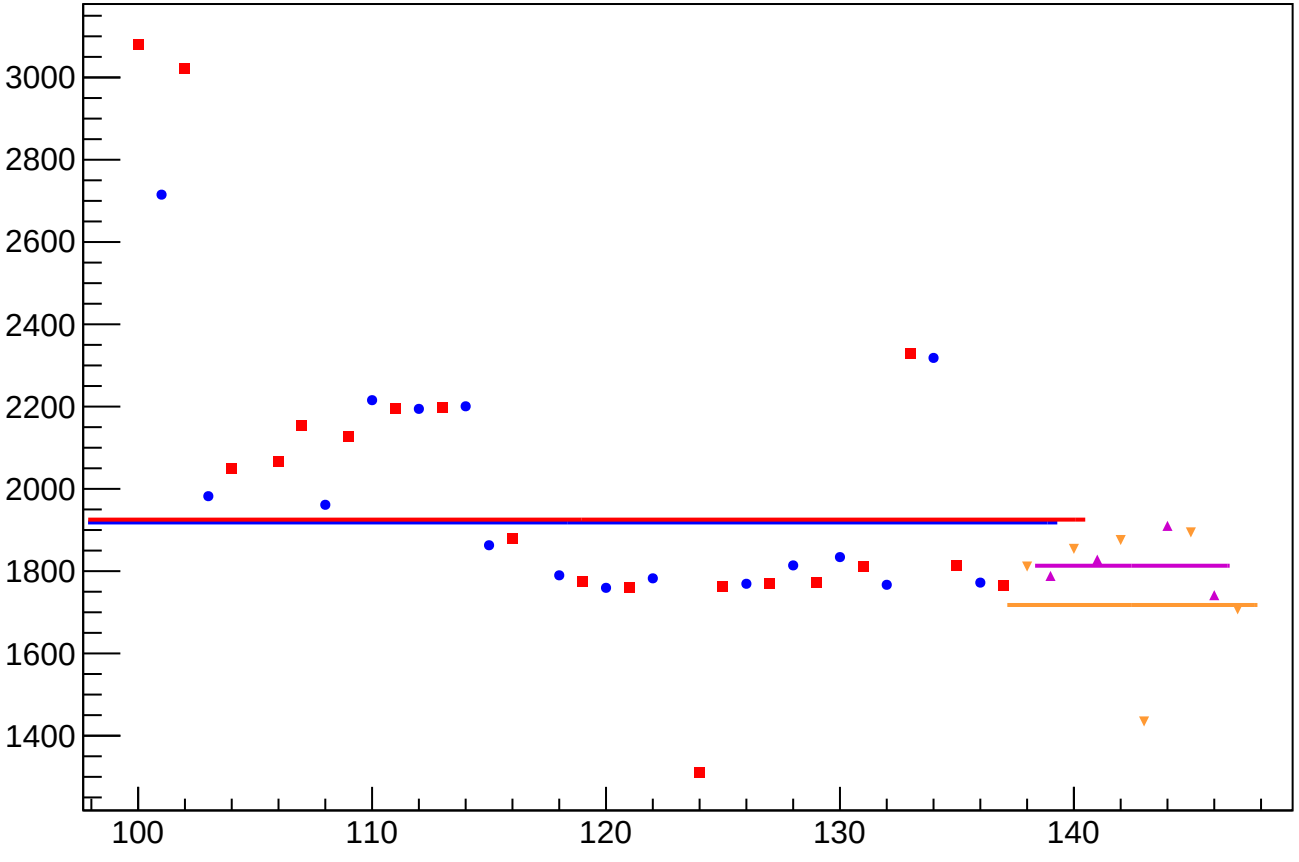
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2973.005+/-576.239 χ^2/NDF:14.3/19

Out: 1502.943+/-539.663 χ^2/NDF:25.1/24

All: 2189.842+/-393.896 χ^2/NDF: 42.9/44

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.761+/-0.574 χ^2/NDF:97258.4/5

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1813.191+/-0.682 χ^2/NDF:8120.9/3

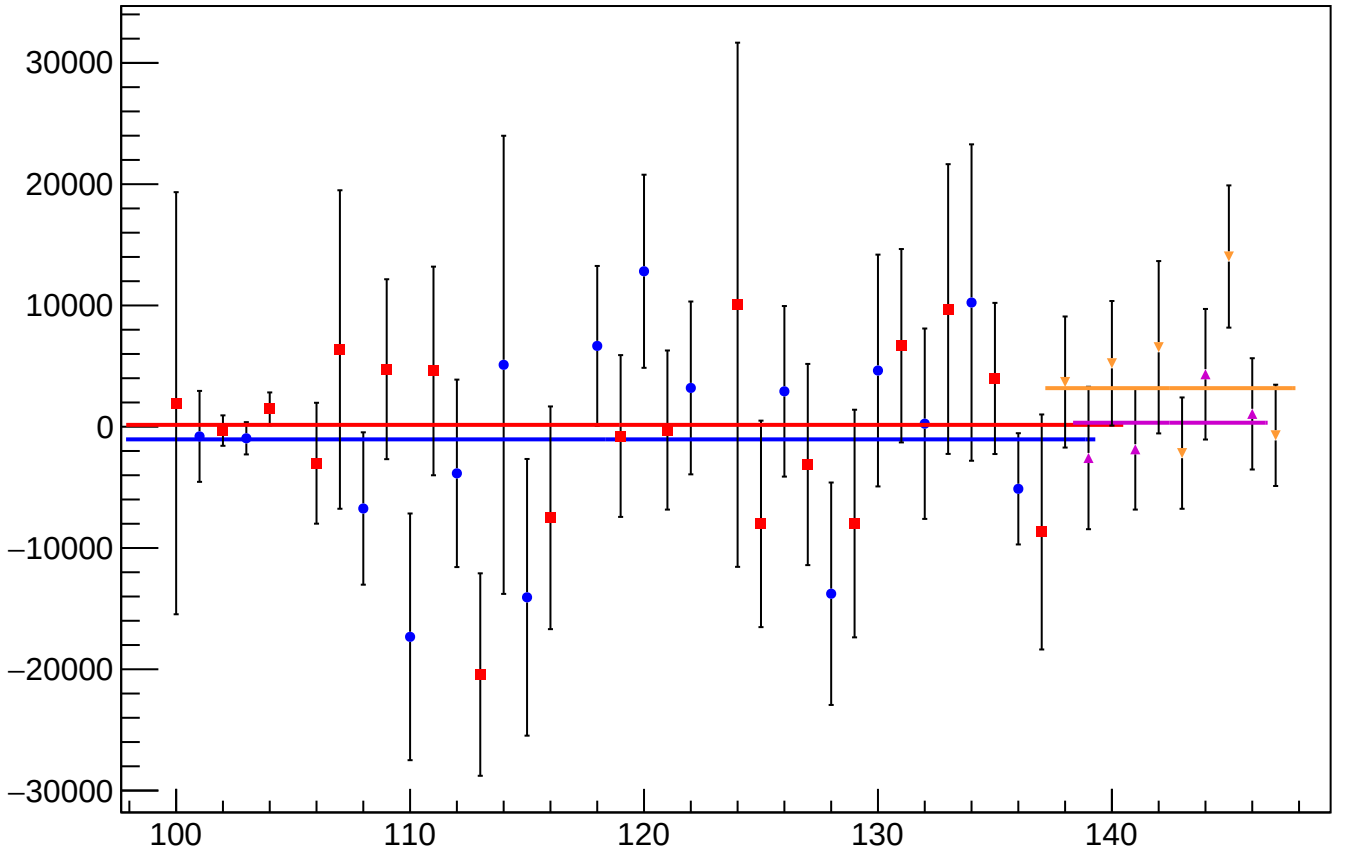
Left: 1757.336+/-0.440 χ^2/NDF: 116822.8/9

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1880.878+/-0.407 χ^2/NDF:238997.7/19

Out: 1833.788+/-0.381 χ^2/NDF:509304.3/24

All: 1855.780+/-0.278 χ^2/NDF: 755420.5/44



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 3181.669+/-2104.345 χ^2/NDF:6.0/5

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 329.968+/-2569.713 χ^2/NDF:1.0/3

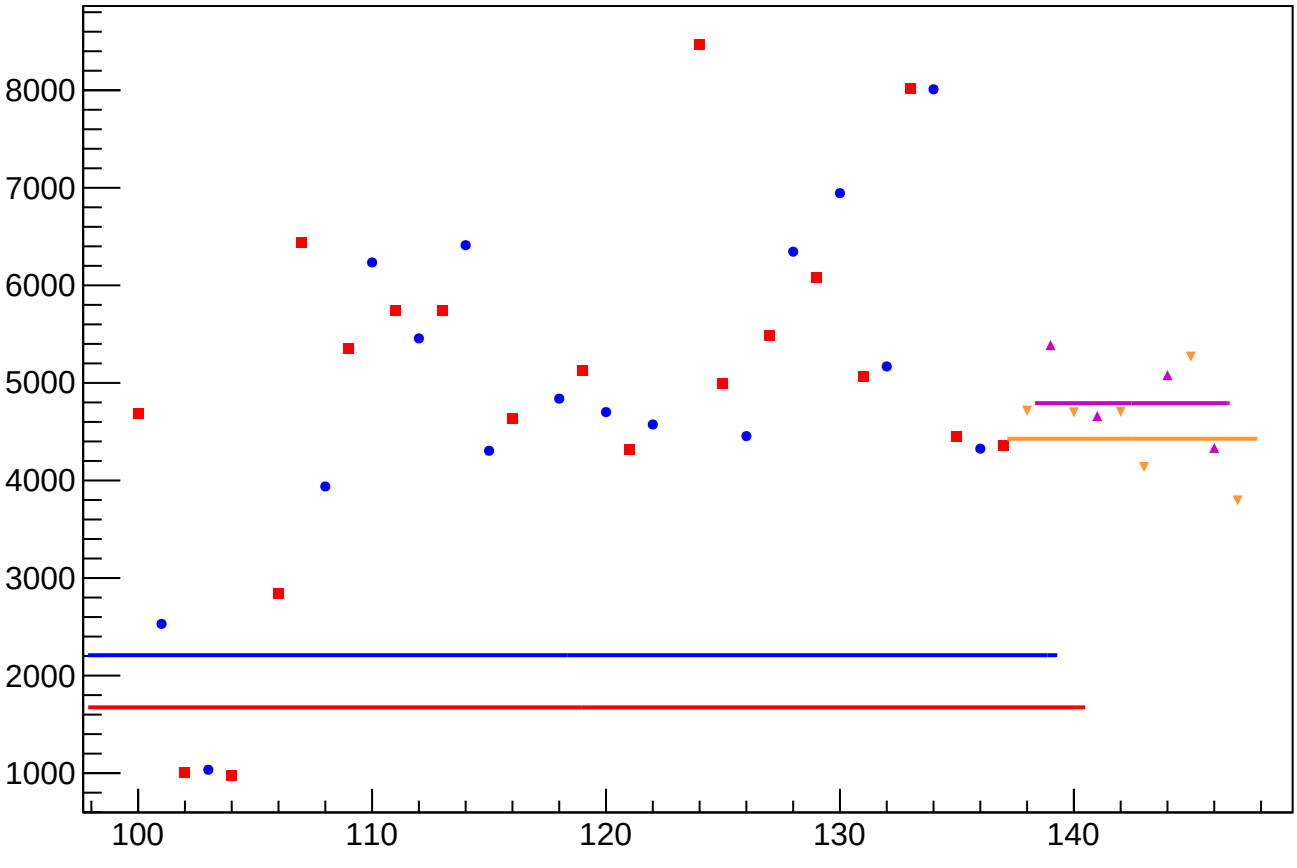
Left: 2036.958+/-1628.098 χ^2/NDF: 7.8/9

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -838.421+/-989.682 χ^2/NDF:15.1/19

Out: 566.087+/-776.658 χ^2/NDF:21.6/24

All: 30.790+/-610.985 χ^2/NDF: 37.9/44



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4427.455+/-1.488 χ^2/NDF:109285.8/5

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4792.557+/-1.817 χ^2/NDF:47614.4/3

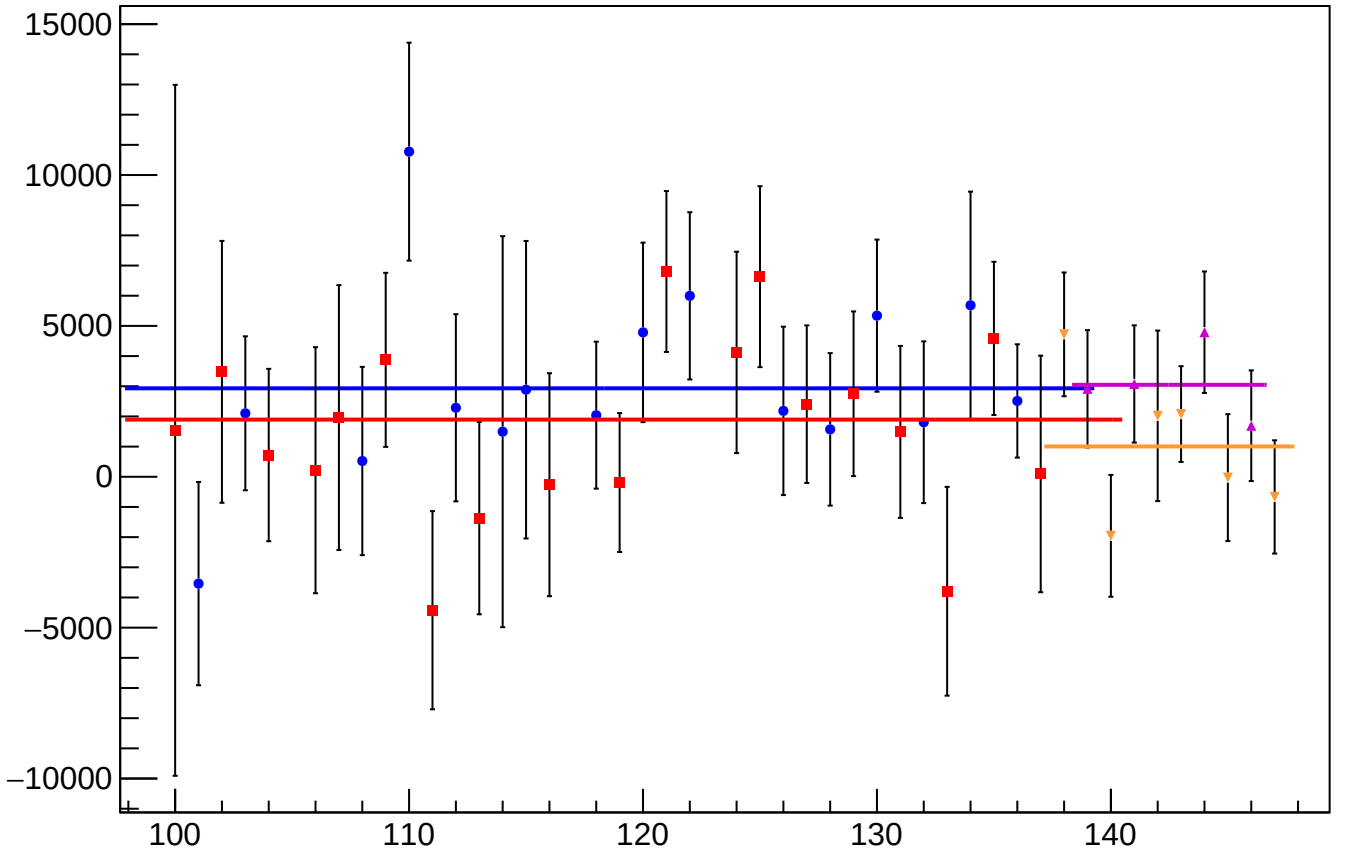
Left: 4574.012+/-1.151 χ^2/NDF: 181066.8/9

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2592.138+/-0.700 χ^2/NDF:7268490.9/19

Out: 2049.203+/-0.549 χ^2/NDF:9919875.7/24

All: 2256.130+/-0.432 χ^2/NDF: 17560874.5/4



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1005.825+/-812.432 χ^2/NDF:7.1/5

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 3047.589+/-965.177 χ^2/NDF:1.3/3

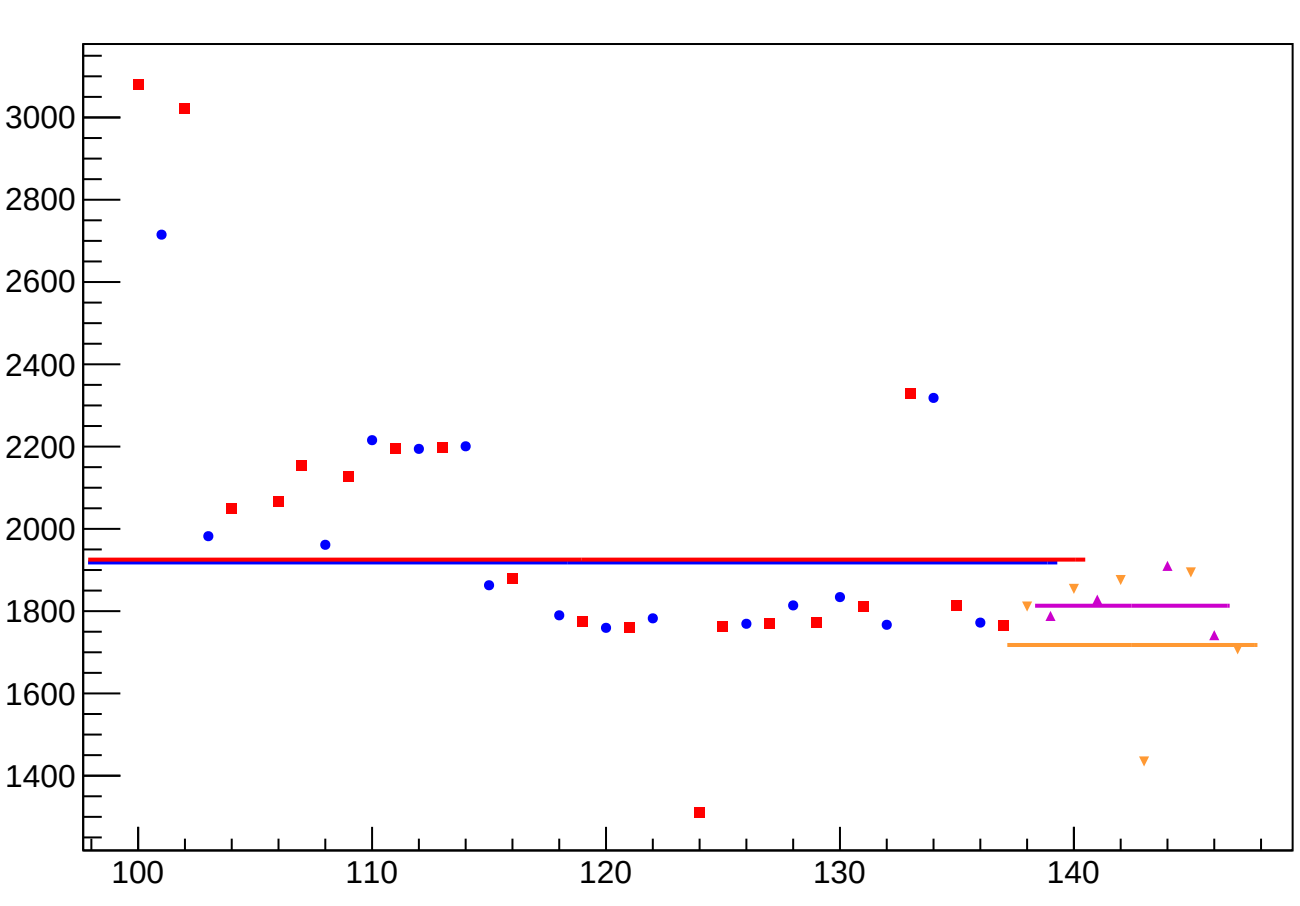
Left: 1852.550+/-621.549 χ^2/NDF: 11.0/9

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2973.003+/-576.239 χ^2/NDF:14.3/19

Out: 1502.947+/-539.663 χ^2/NDF:25.1/24

All: 2189.844+/-393.896 χ^2/NDF: 42.9/44



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.763+/-0.574 χ^2/NDF:97257.5/5

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1813.192+/-0.682 χ^2/NDF:8120.9/3

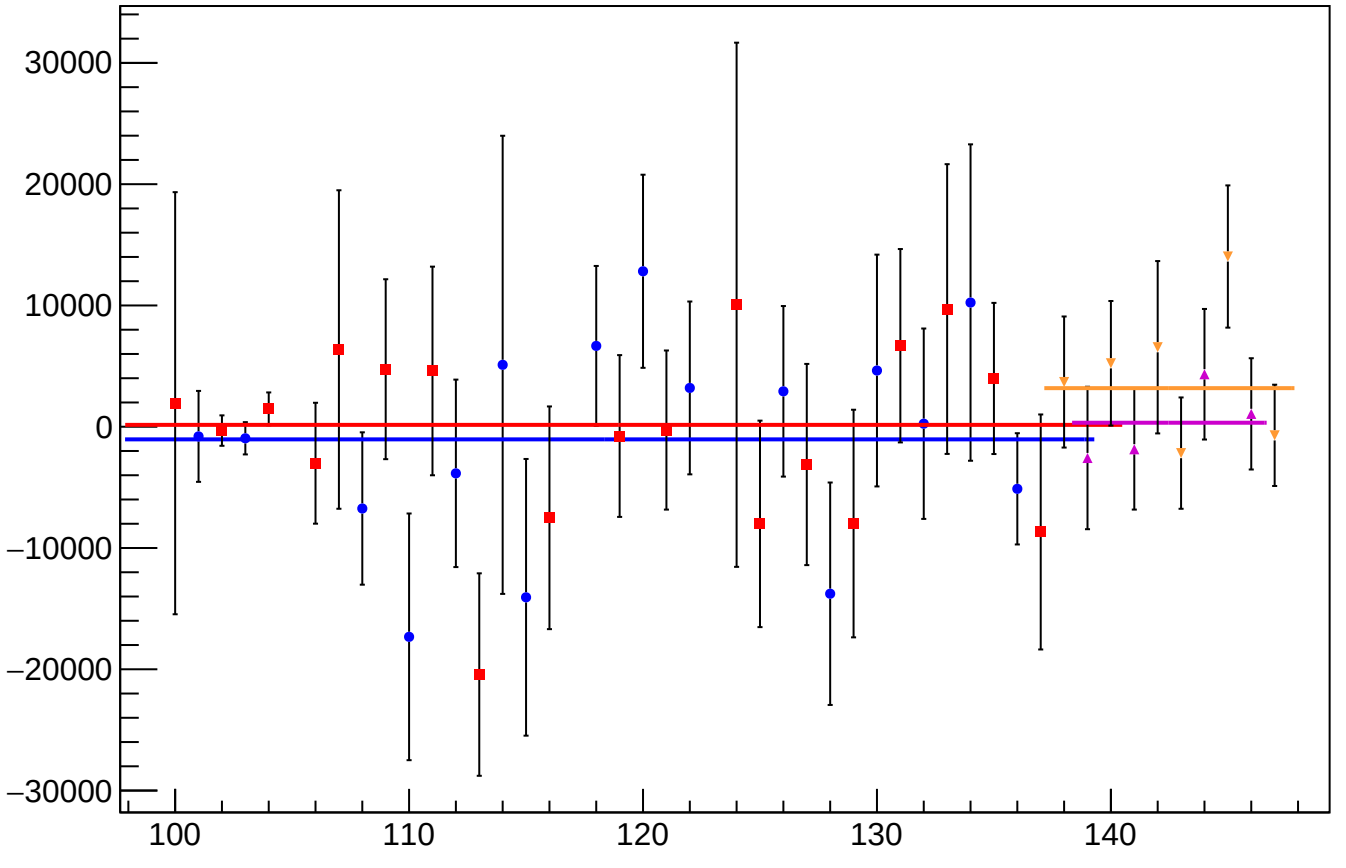
Left: 1757.337+/-0.440 χ^2/NDF: 116821.8/9

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1880.878+/-0.407 χ^2/NDF:238997.3/19

Out: 1833.788+/-0.381 χ^2/NDF:509301.0/24

All: 1855.780+/-0.278 χ^2/NDF: 755416.7/44



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 3181.673+/-2104.348 χ^2/NDF:6.0/5

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 329.957+/-2569.716 χ^2/NDF:1.0/3

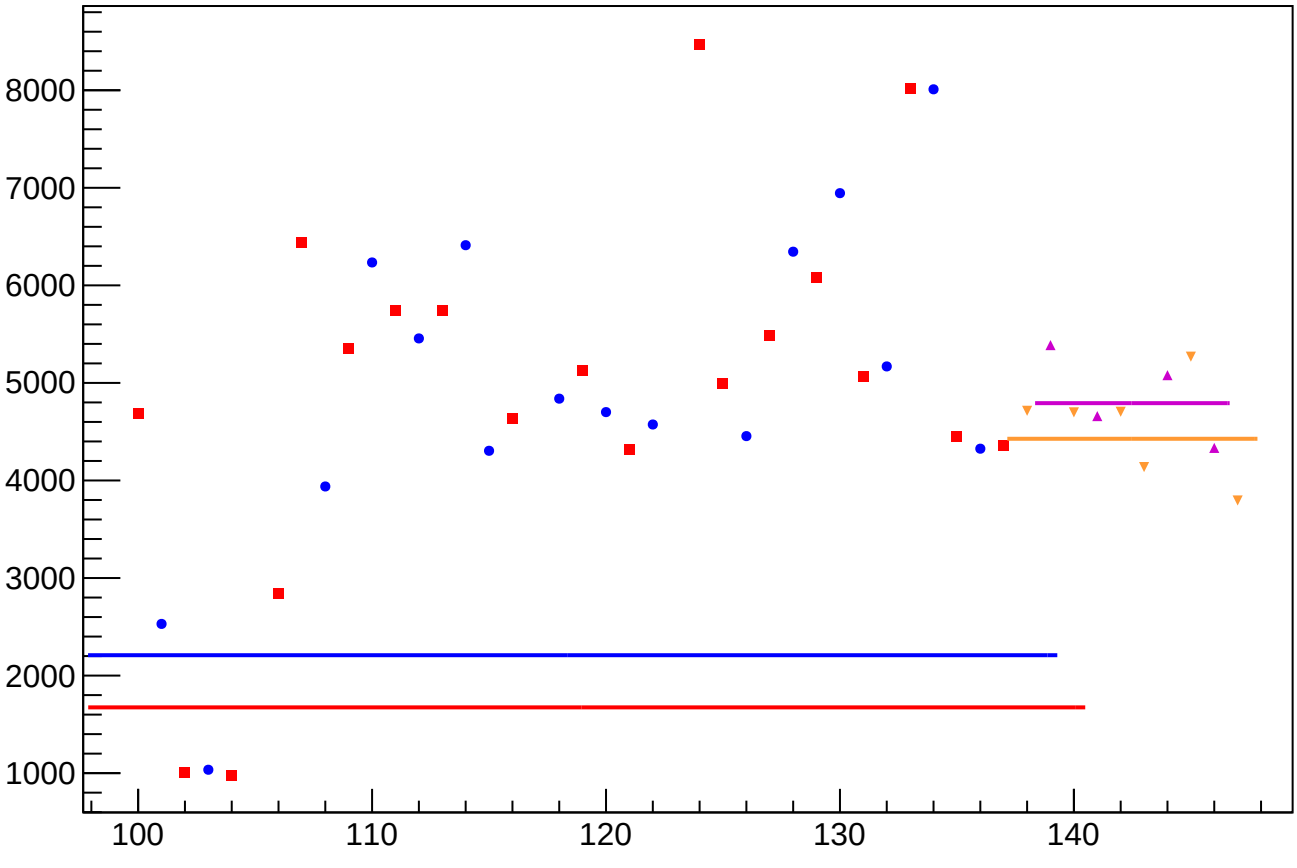
Left: 2036.956+/-1628.100 χ^2/NDF: 7.8/9

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -838.421+/-989.681 χ^2/NDF:15.1/19

Out: 566.081+/-776.658 χ^2/NDF:21.6/24

All: 30.787+/-610.985 χ^2/NDF: 37.9/44



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4427.462+/-1.488 χ^2/NDF:109285.4/5

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4792.562+/-1.817 χ^2/NDF:47614.6/3

Left: 4574.018+/-1.151 χ^2/NDF: 181066.4/9

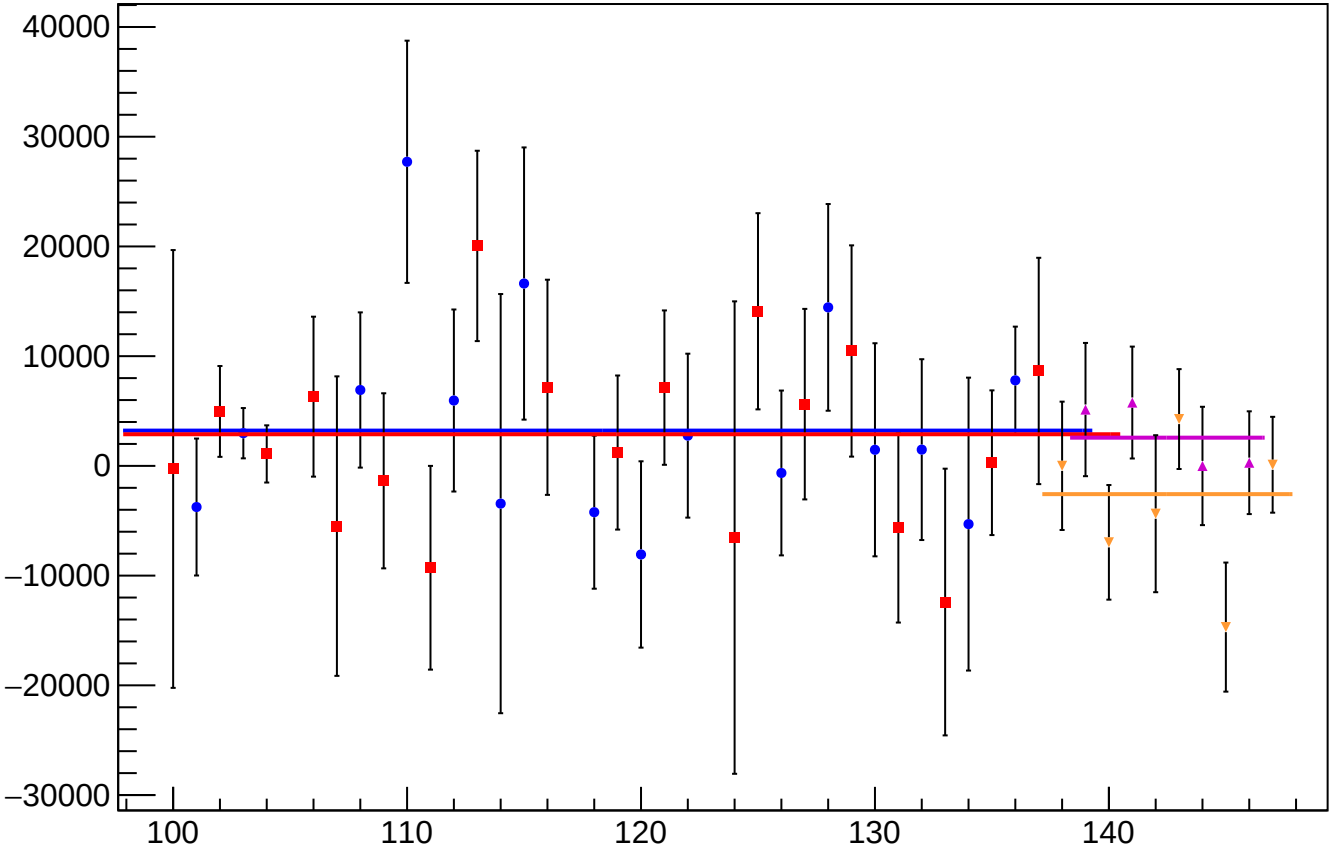
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2592.137+/-0.700 χ^2/NDF:7268489.3/19

Out: 2049.202+/-0.549 χ^2/NDF:9919874.9/24

All: 2256.130+/-0.432 χ^2/NDF: 17560871.9/4

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -2574.484+/-2156.608 χ^2/NDF:7.8/5

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2571.654+/-2621.034 χ^2/NDF:1.0/3

Left: -496.978+/-1665.340 χ^2/NDF: 11.2/9

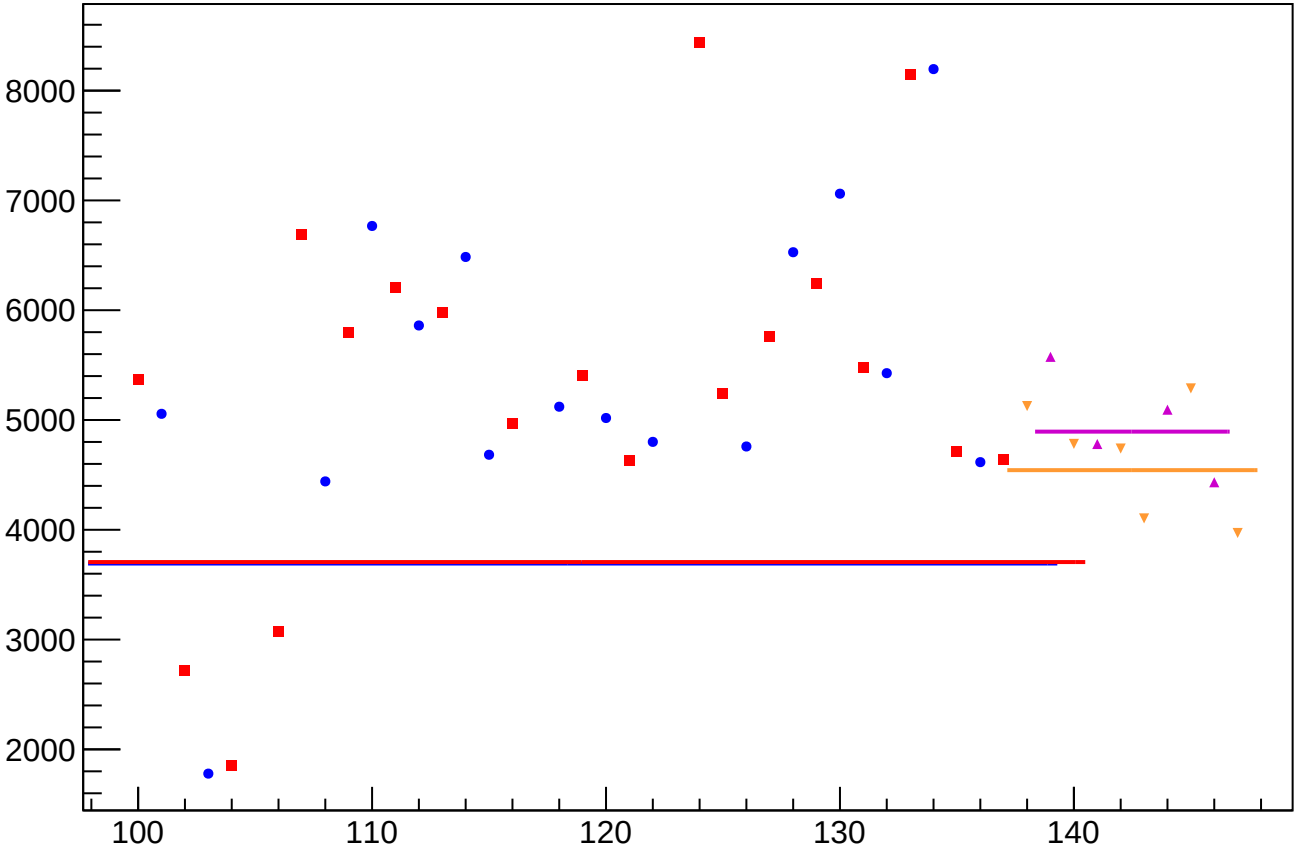
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 3050.534+/-1327.300 χ^2/NDF:14.9/19

Out: 1021.029+/-1259.775 χ^2/NDF:25.5/24

All: 1982.846+/-913.735 χ^2/NDF: 41.6/44

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4543.162+/-1.525 χ^2/NDF:110668.0/5

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4894.028+/-1.853 χ^2/NDF:48295.6/3

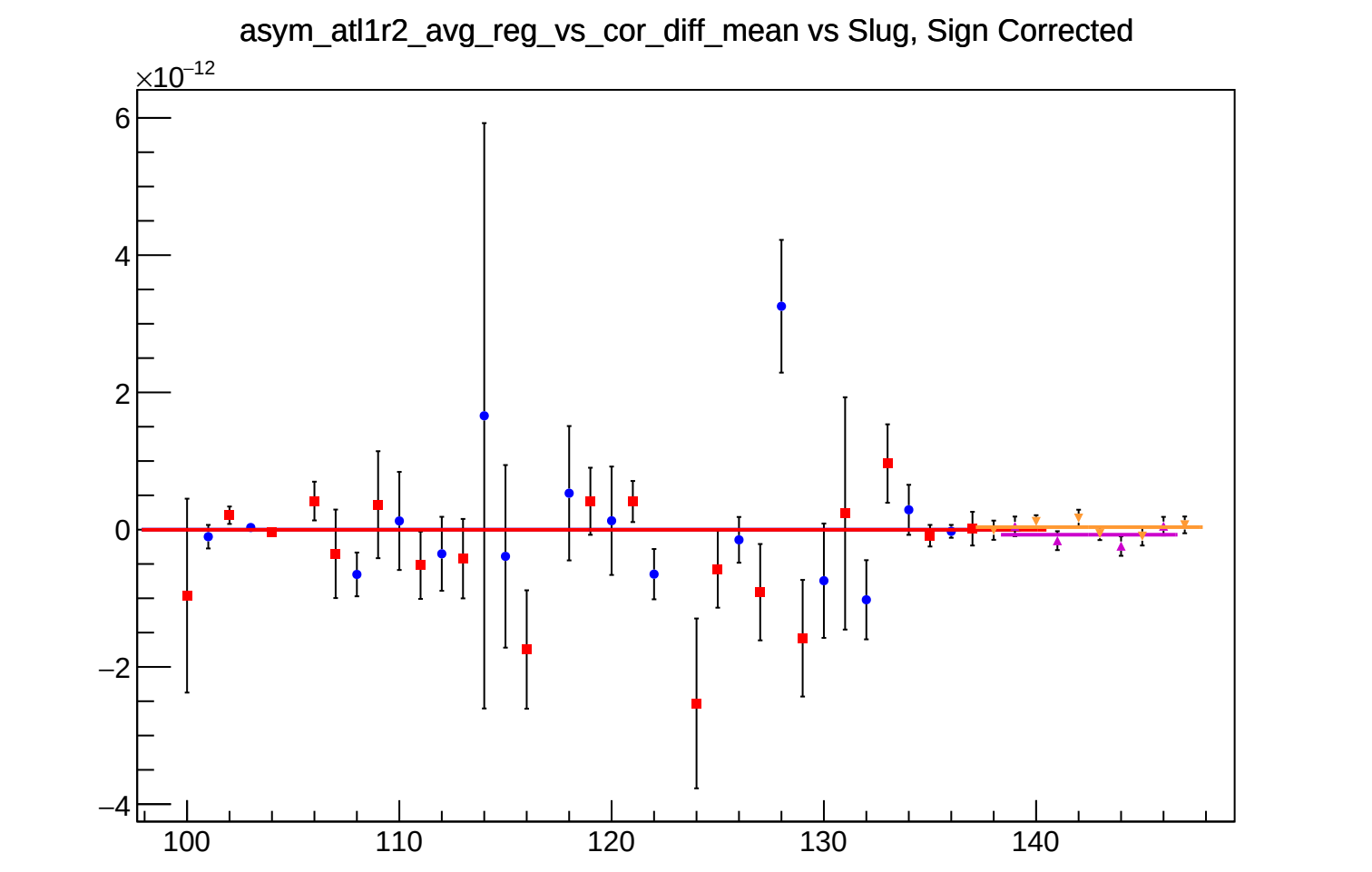
Left: 4684.807+/-1.178 χ^2/NDF: 180334.8/9

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4000.859+/-0.939 χ^2/NDF:3246300.9/19

Out: 3987.953+/-0.885 χ^2/NDF:2995049.5/24

All: 3994.027+/-0.644 χ^2/NDF: 6241450.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/3

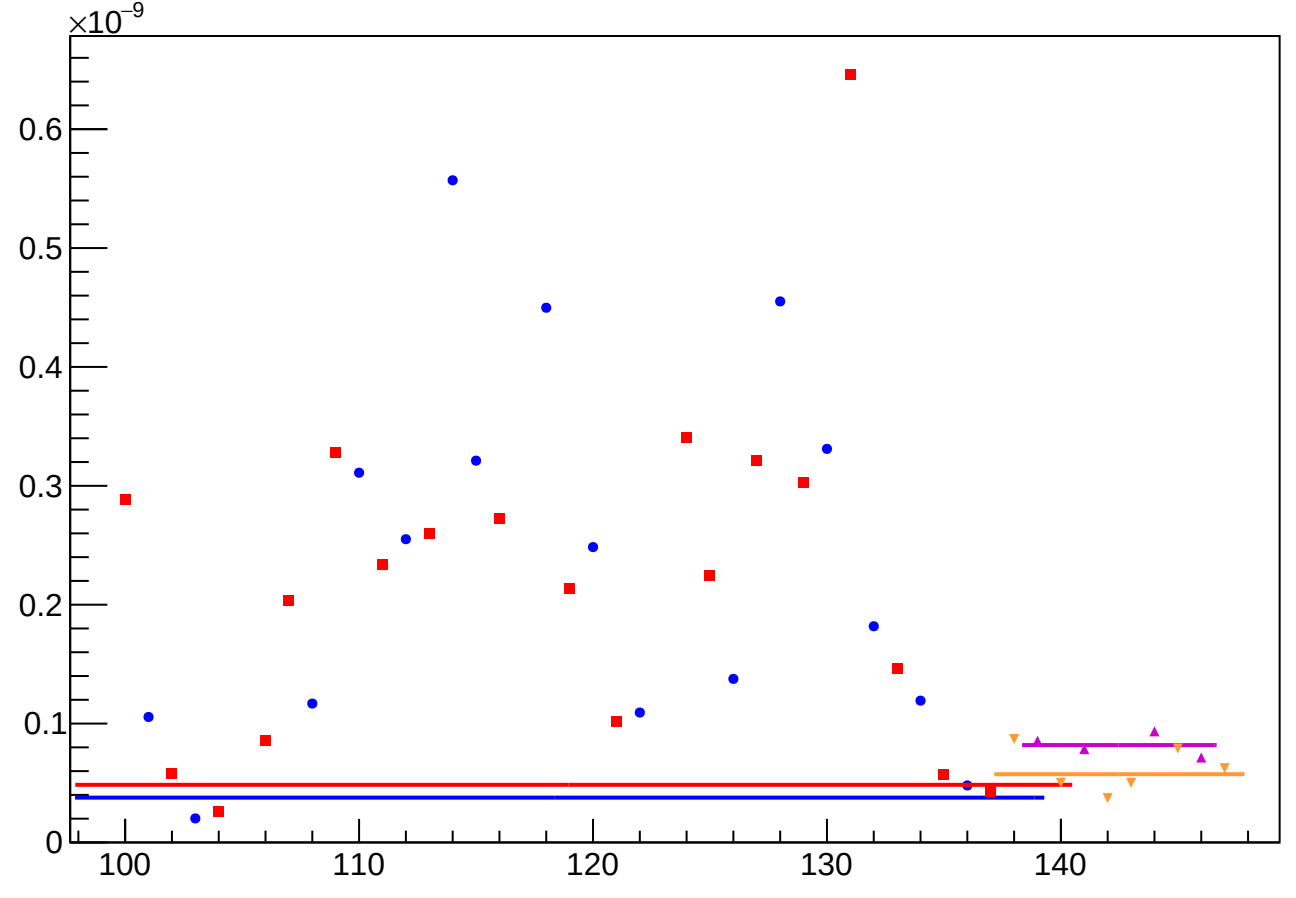
Left: 0.000+/-0.000 χ^2/NDF: 9.1/9

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:29.6/19

Out: 0.000+/-0.000 χ^2/NDF:32.6/24

All: 0.000+/-0.000 χ^2/NDF: 62.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:221012.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27720.7/3

Left: 0.000+/-0.000 χ^2/NDF: 421104.5/9

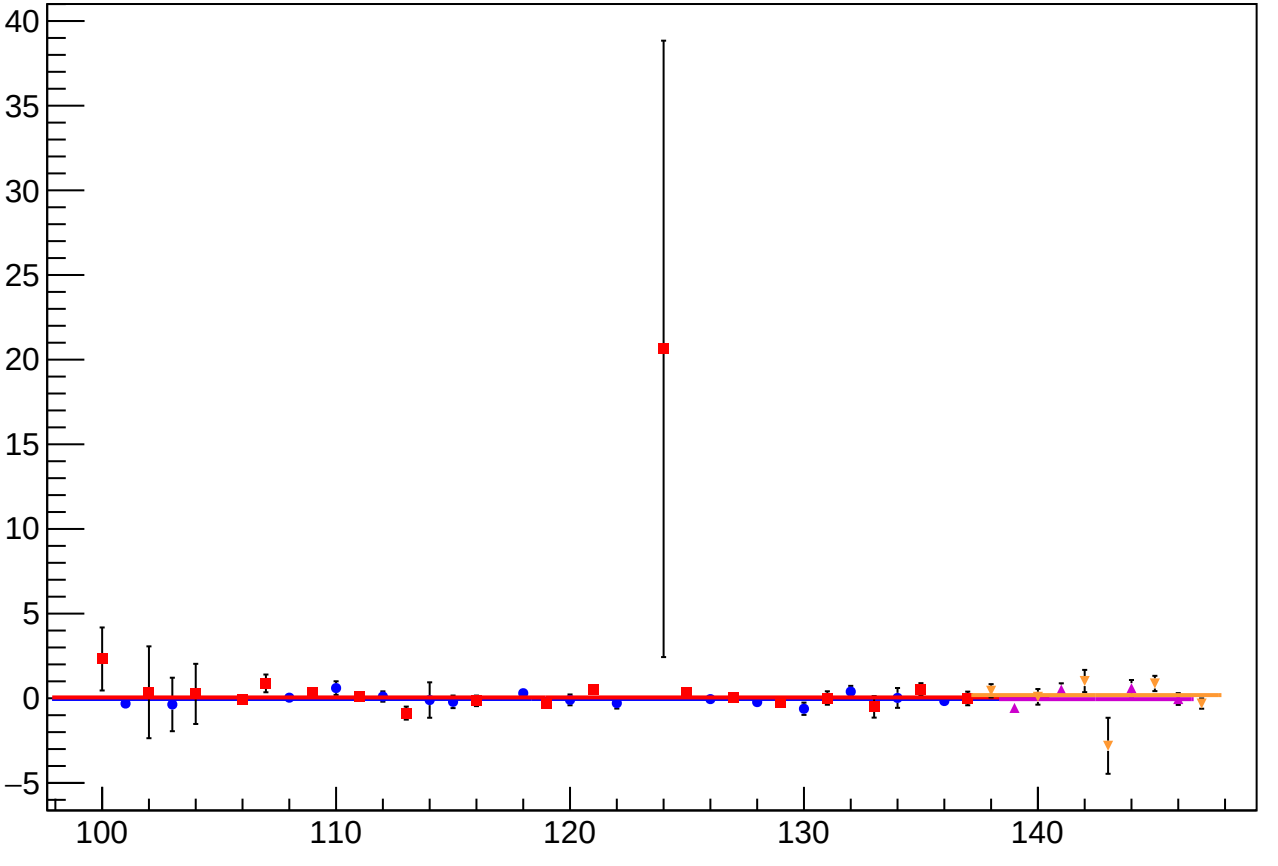
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3802940.7/19

Out: 0.000+/-0.000 χ^2/NDF:3155051.5/24

All: 0.000+/-0.000 χ^2/NDF: 6988895.4/44

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: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.052+/-0.173 χ^2/NDF:7.8/3

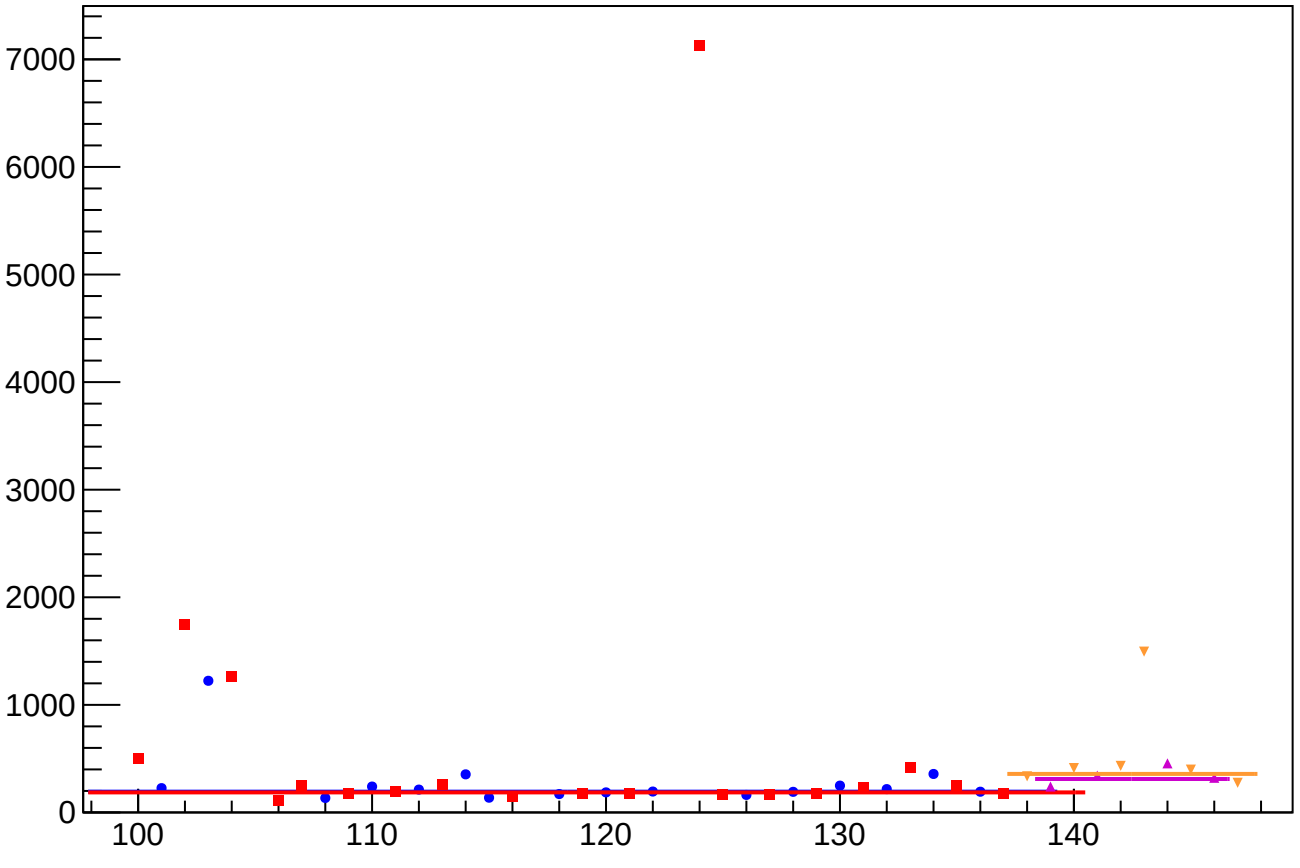
Left: 0.060+/-0.126 χ^2/NDF: 19.0/9

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.071 χ^2/NDF:19.5/19

Out: 0.071+/-0.072 χ^2/NDF:33.8/24

All: 0.013+/-0.051 χ^2/NDF: 54.6/44



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 358.253+/-0.130 χ^2/NDF:1166616.9/5

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 311.068+/-0.122 χ^2/NDF:328288.0/3

Left: 333.233+/-0.089 χ^2/NDF: 1564734.9/9

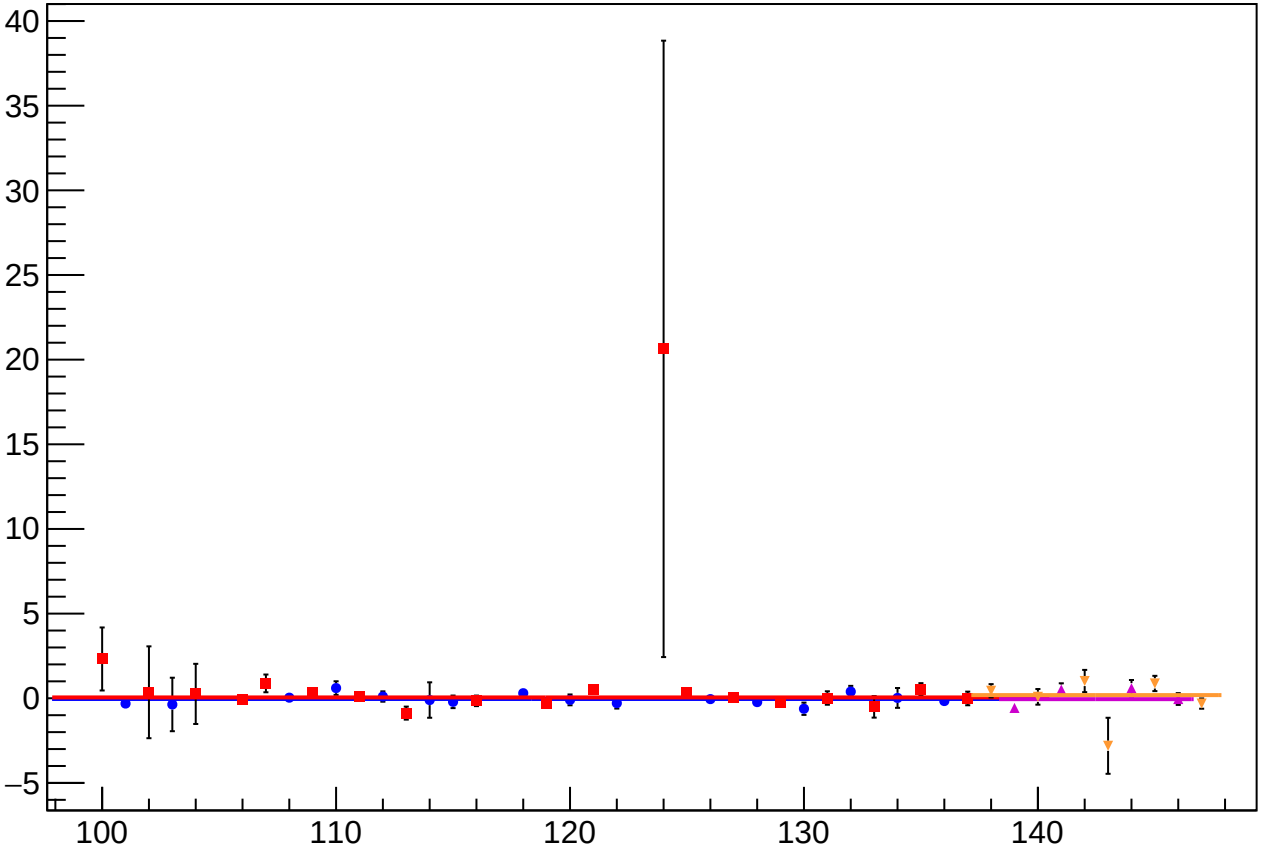
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 213.035+/-0.050 χ^2/NDF:2507883.9/19

Out: 213.040+/-0.051 χ^2/NDF:5121988.4/24

All: 213.037+/-0.036 χ^2/NDF: 7629872.3/44

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: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.052+/-0.173 χ^2/NDF:7.8/3

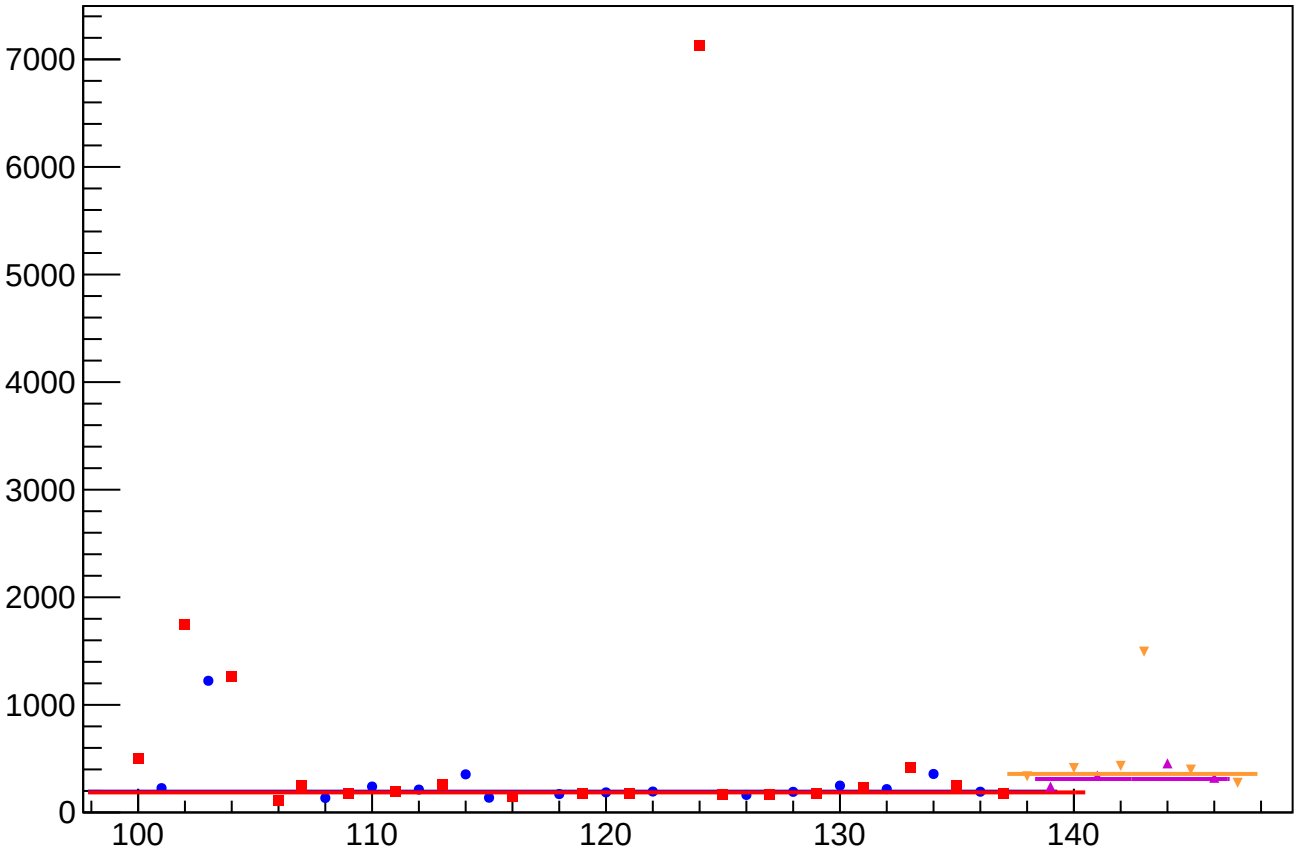
Left: 0.060+/-0.126 χ^2/NDF: 19.0/9

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.071 χ^2/NDF:19.5/19

Out: 0.071+/-0.072 χ^2/NDF:33.8/24

All: 0.013+/-0.051 χ^2/NDF: 54.6/44



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 358.253+/-0.130 χ^2/NDF:1166616.9/5

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 311.068+/-0.122 χ^2/NDF:328288.0/3

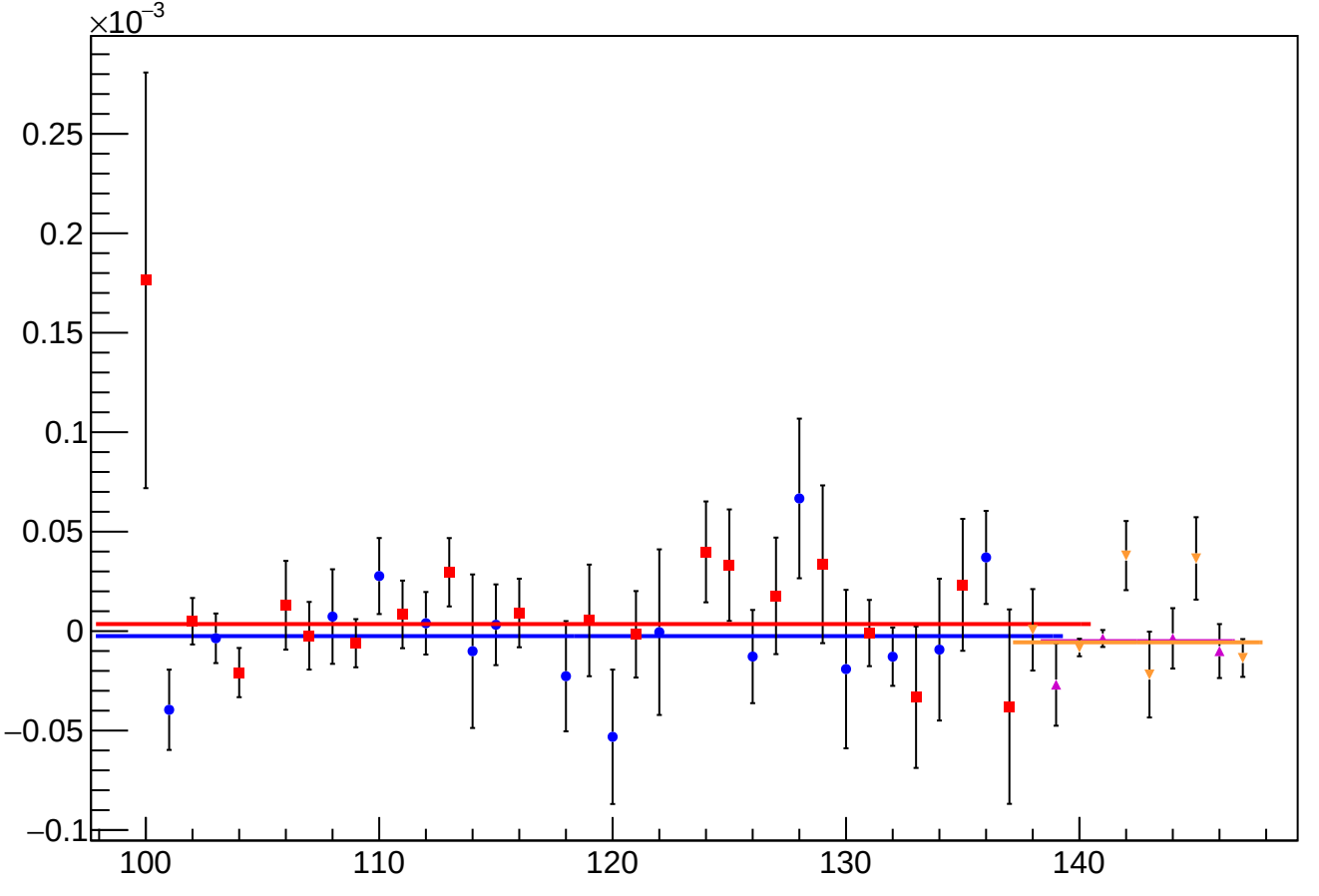
Left: 333.233+/-0.089 χ^2/NDF: 1564734.9/9

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 213.035+/-0.050 χ^2/NDF:2507883.9/19

Out: 213.040+/-0.051 χ^2/NDF:5121988.4/24

All: 213.037+/-0.036 χ^2/NDF: 7629872.3/44



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

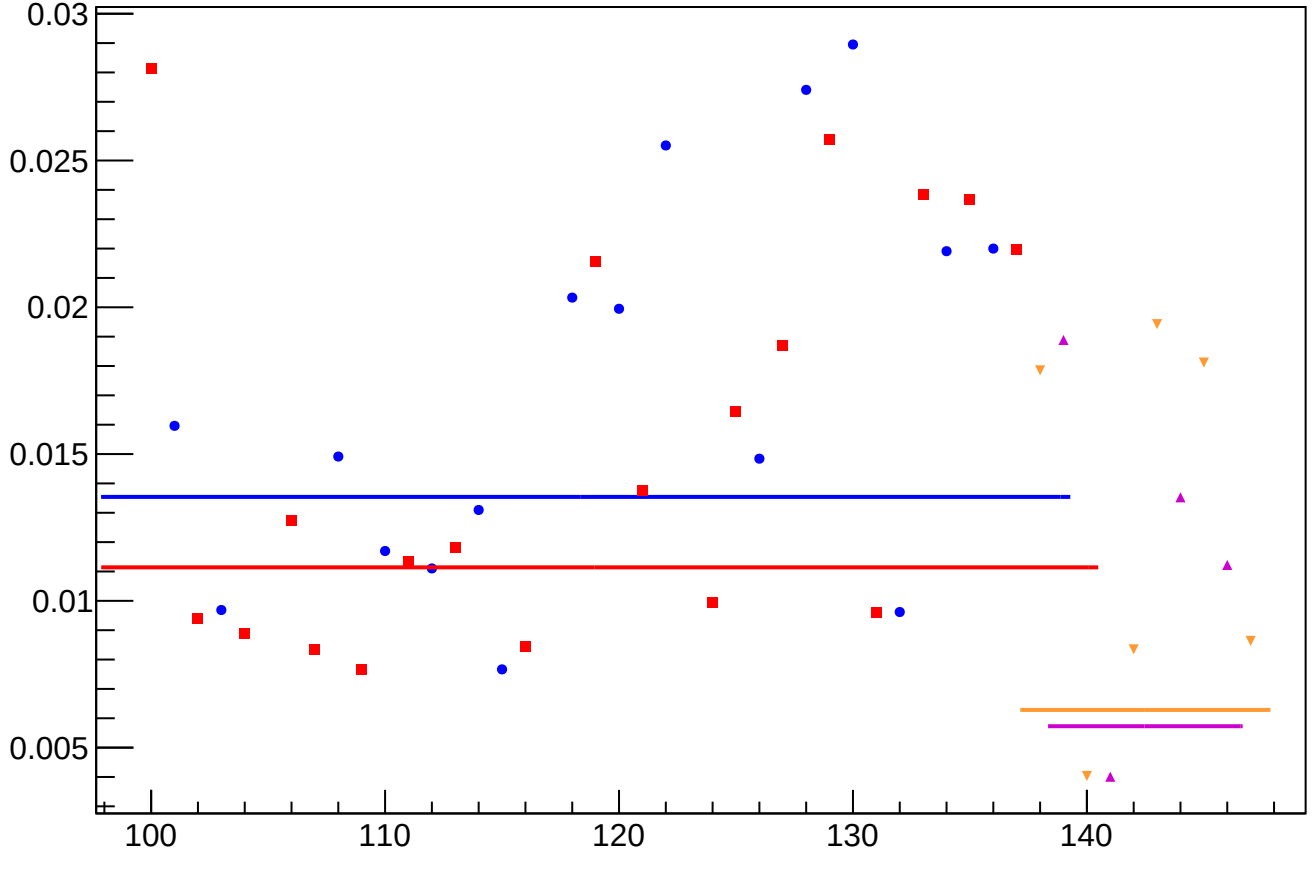
Left: -0.000+/-0.000 χ^2/NDF: 13.5/9

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:17.3/19

Out: -0.000+/-0.000 χ^2/NDF:30.9/24

All: -0.000+/-0.000 χ^2/NDF: 48.6/44



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:2707682.0/5

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.006+/-0.000 χ^2/NDF:1990624.2/3

Left: 0.006+/-0.000 χ^2/NDF: 4719868.1/9

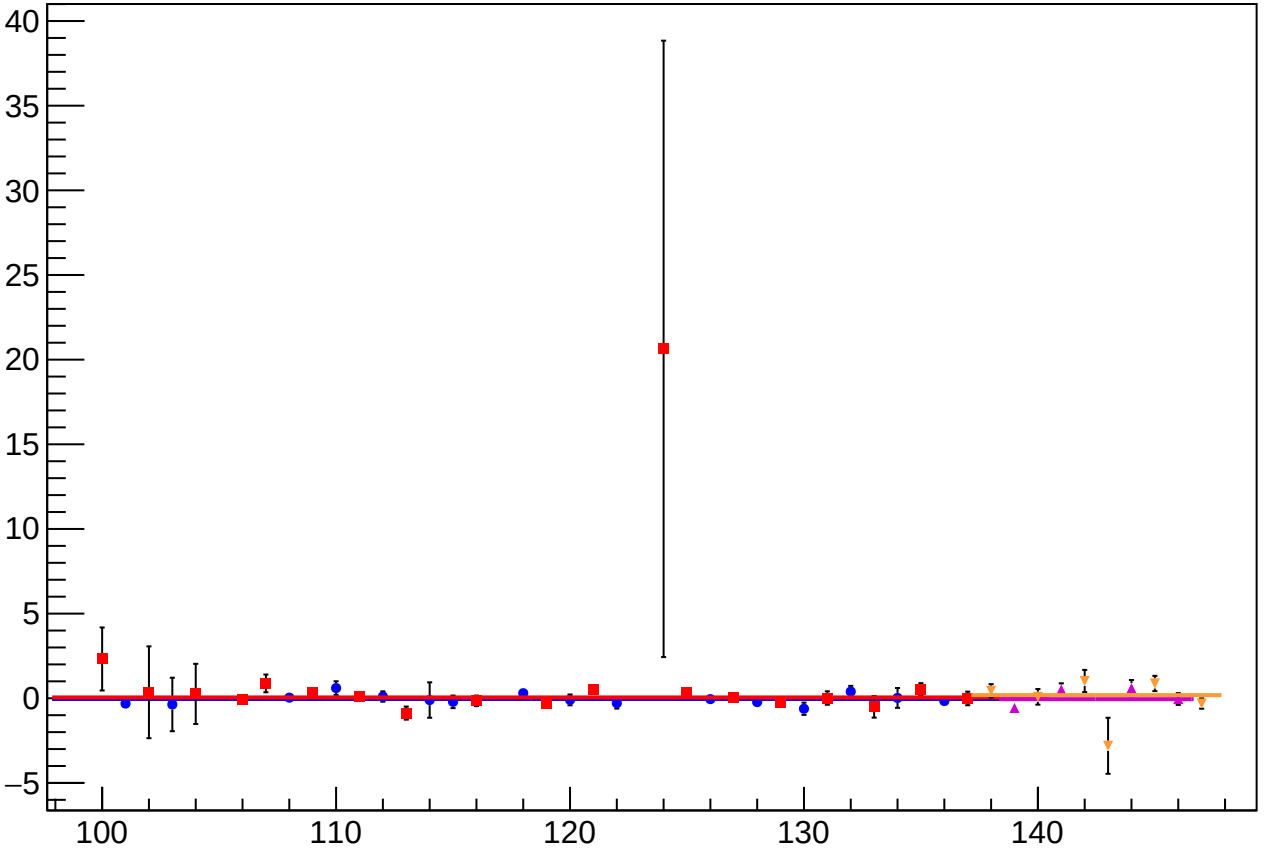
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6602468.9/19

Out: 0.008+/-0.000 χ^2/NDF:5998141.7/24

All: 0.008+/-0.000 χ^2/NDF: 12601225.5/44

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: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.052+/-0.173 χ^2/NDF:7.8/3

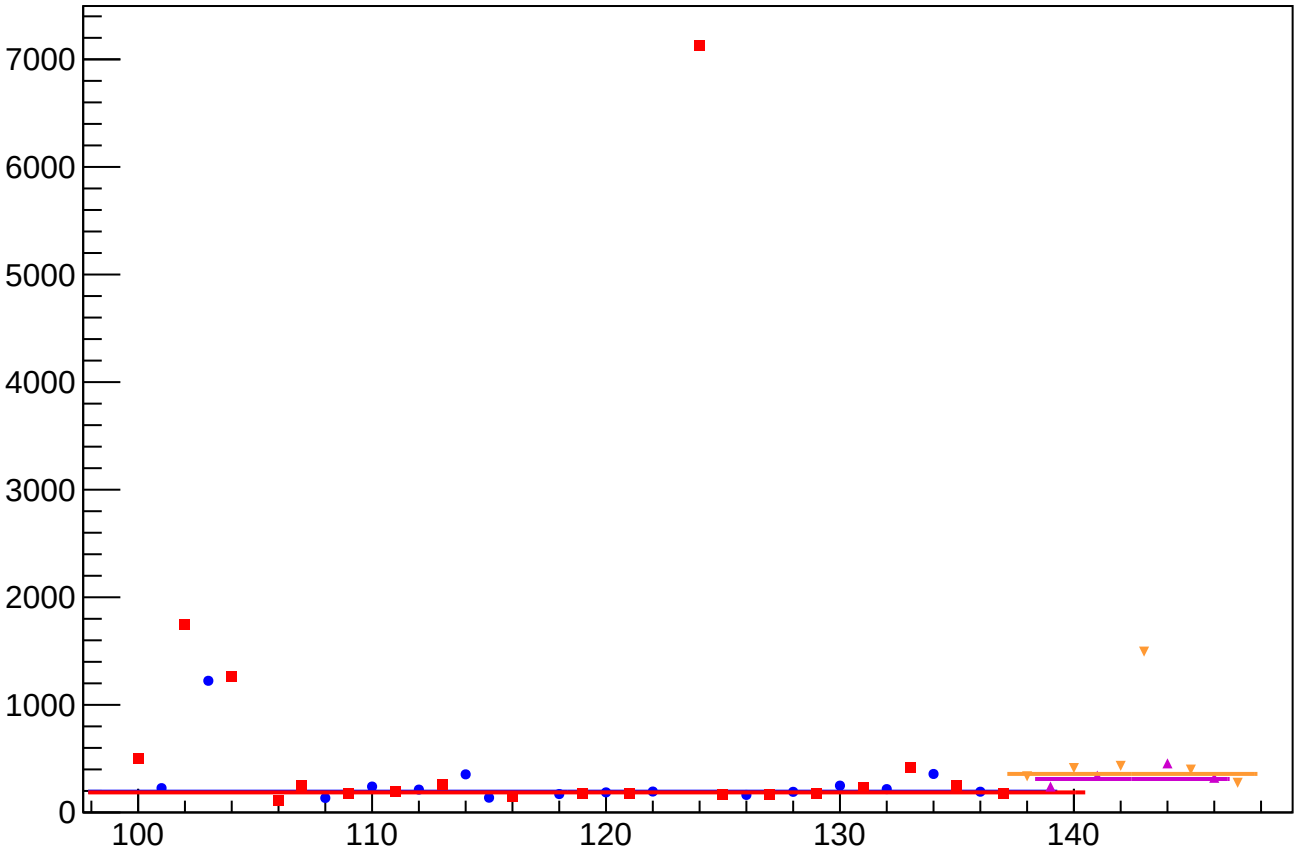
Left: 0.060+/-0.126 χ^2/NDF: 19.0/9

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.071 χ^2/NDF:19.5/19

Out: 0.071+/-0.072 χ^2/NDF:33.8/24

All: 0.013+/-0.051 χ^2/NDF: 54.6/44



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 358.257+/-0.130 χ^2/NDF:1166593.2/5

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 311.073+/-0.122 χ^2/NDF:328272.9/3

Left: 333.238+/-0.089 χ^2/NDF: 1564693.1/9

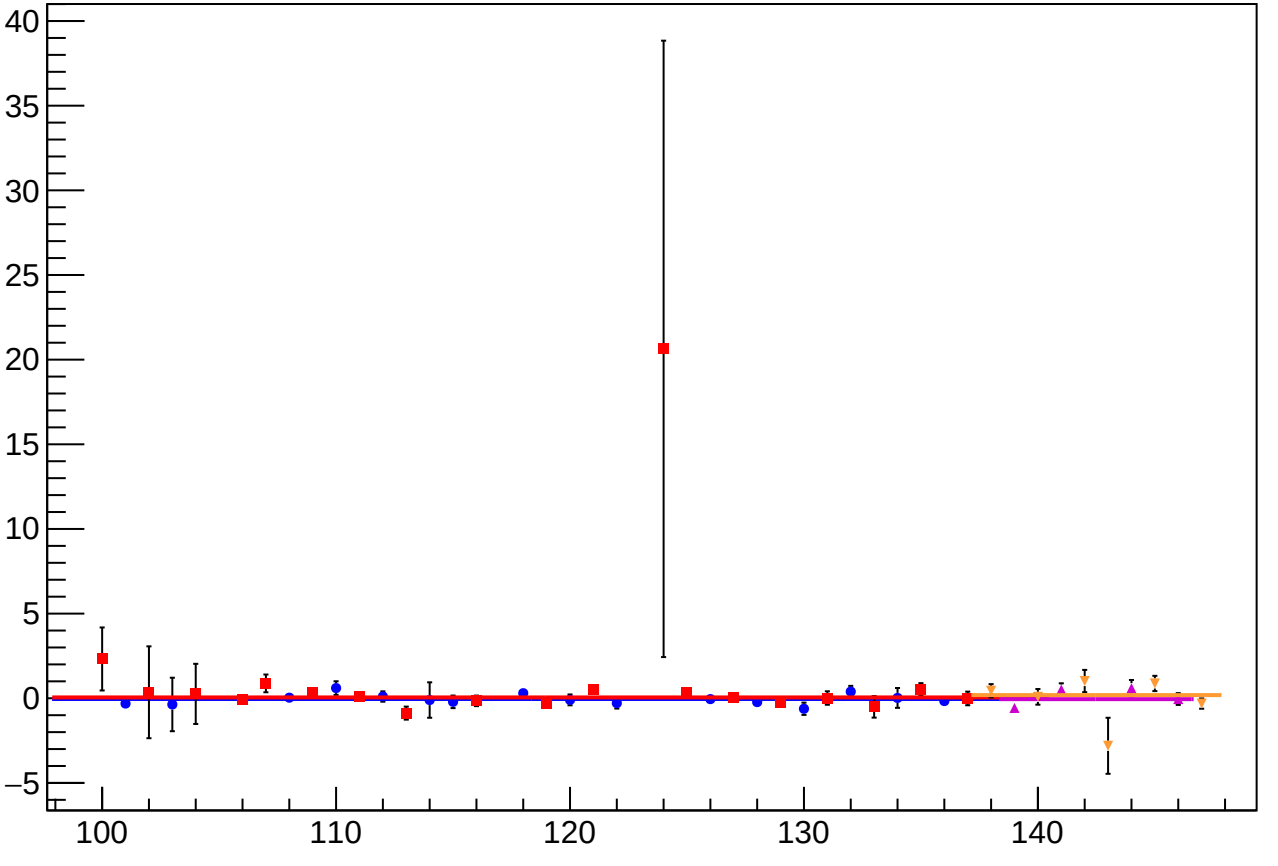
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 213.034+/-0.050 χ^2/NDF:2507925.9/19

Out: 213.038+/-0.051 χ^2/NDF:5122081.4/24

All: 213.036+/-0.036 χ^2/NDF: 7630007.3/44

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: 0.187+/-0.184 χ^2/NDF:10.4/5

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.052+/-0.173 χ^2/NDF:7.8/3

Left: 0.060+/-0.126 χ^2/NDF: 19.0/9

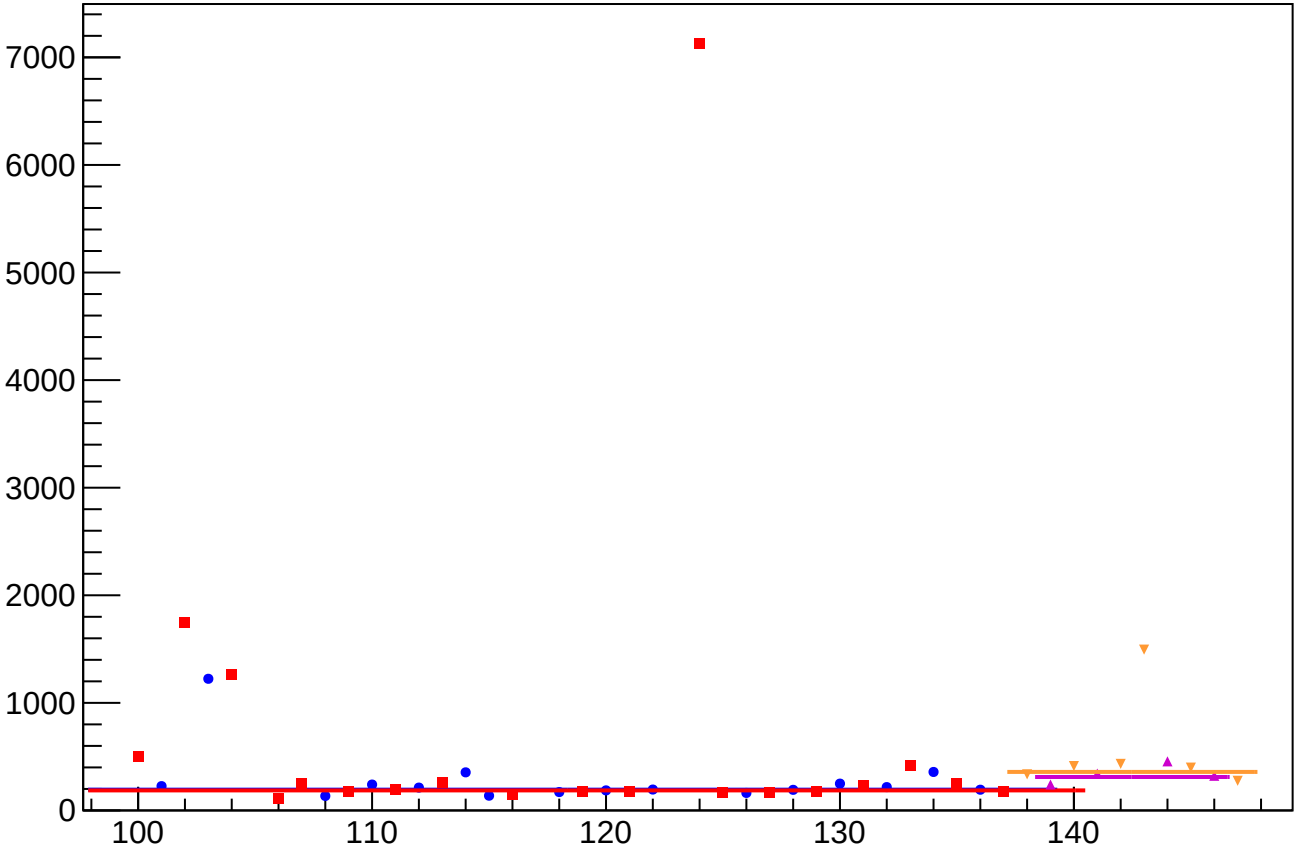
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.043+/-0.071 χ^2/NDF:19.5/19

Out: 0.071+/-0.072 χ^2/NDF:33.8/24

All: 0.013+/-0.051 χ^2/NDF: 54.6/44

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: 358.257+/-0.130 χ^2/NDF:1166593.2/5

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 311.073+/-0.122 χ^2/NDF:328272.9/3

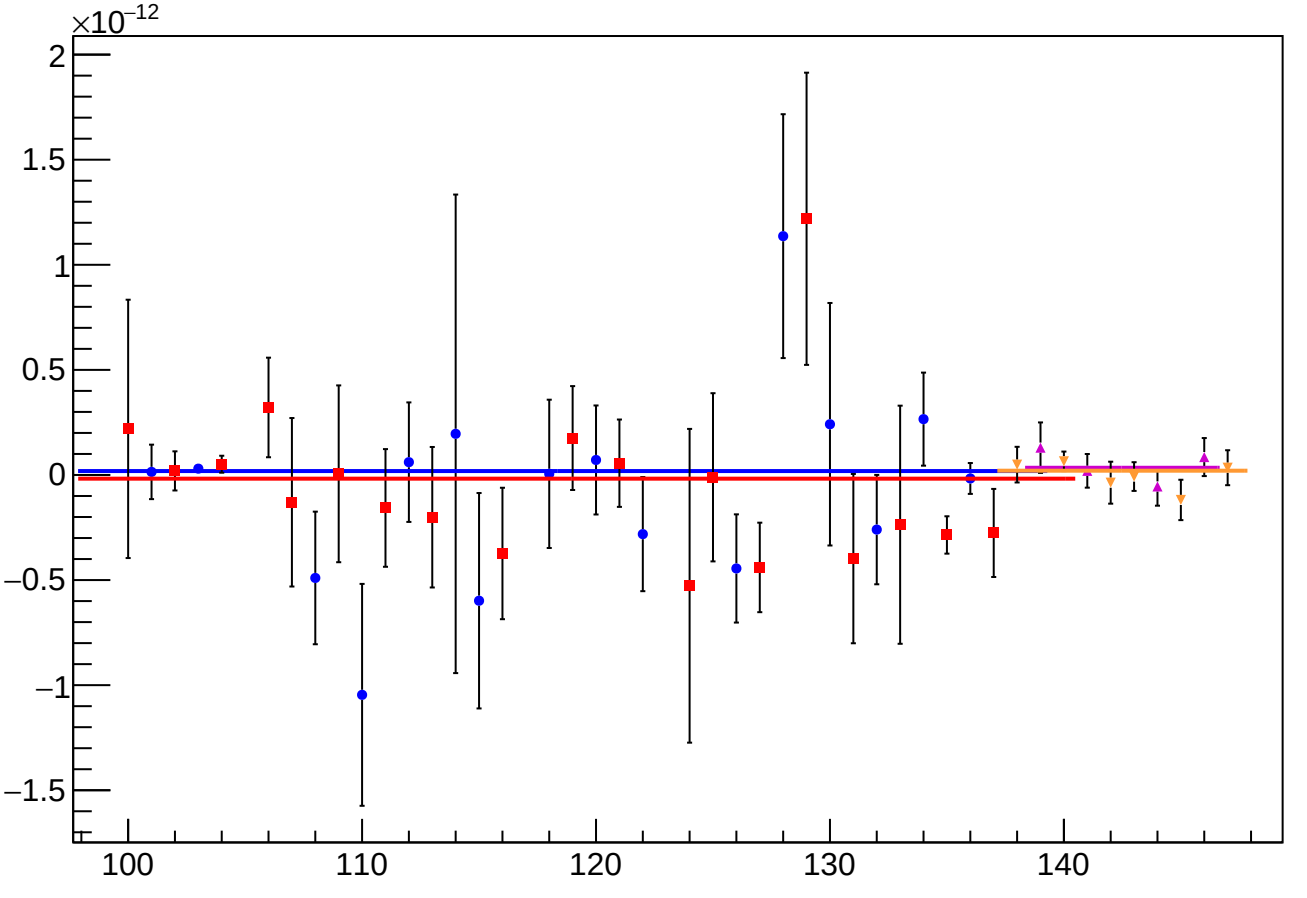
Left: 333.238+/-0.089 χ^2/NDF: 1564693.1/9

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 213.034+/-0.050 χ^2/NDF:2507925.9/19

Out: 213.038+/-0.051 χ^2/NDF:5122081.4/24

All: 213.036+/-0.036 χ^2/NDF: 7630007.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/3

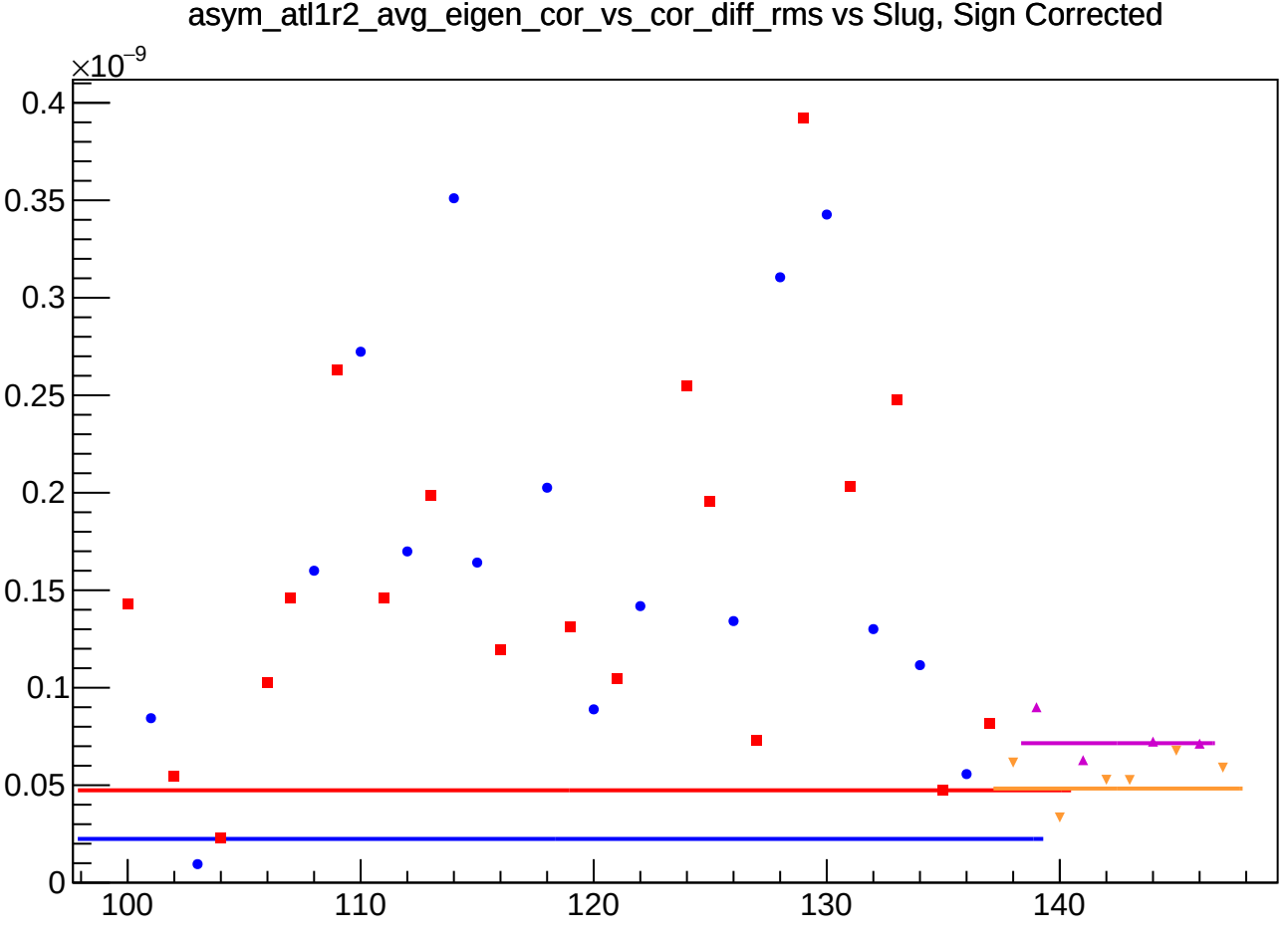
Left: 0.000+/-0.000 χ^2/NDF: 5.7/9

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:21.4/19

Out: 0.000+/-0.000 χ^2/NDF:31.6/24

All: 0.000+/-0.000 χ^2/NDF: 53.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:381195.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:71055.8/3

Left: 0.000+/-0.000 χ^2/NDF: 813053.1/9

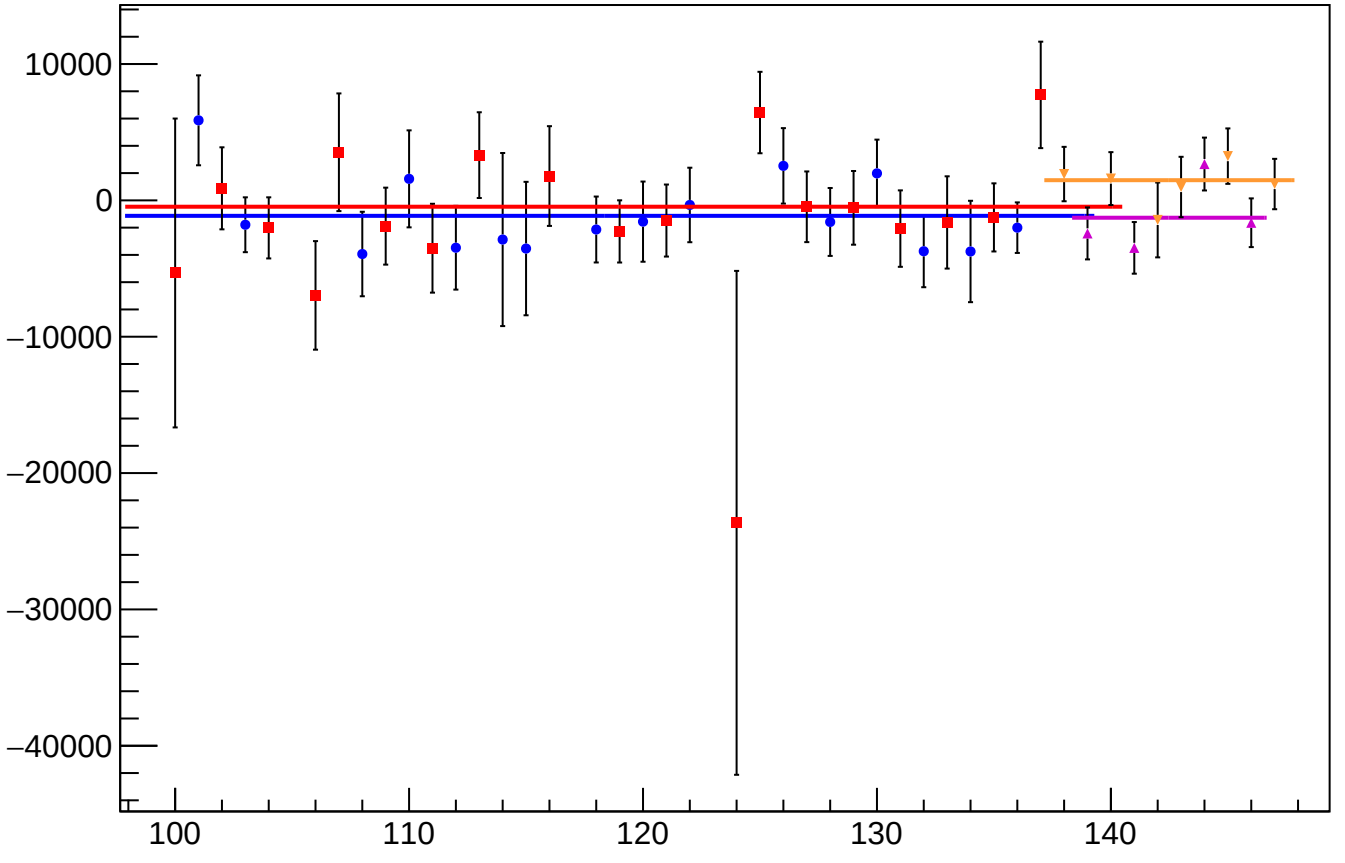
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:8359782.4/19

Out: 0.000+/-0.000 χ^2/NDF:4618154.0/24

All: 0.000+/-0.000 χ^2/NDF: 13717793.6/44

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1479.731+/-848.570 χ^2/NDF:2.0/5

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1273.256+/-939.296 χ^2/NDF:5.9/3

Left: 242.579+/-629.668 χ^2/NDF: 12.6/9

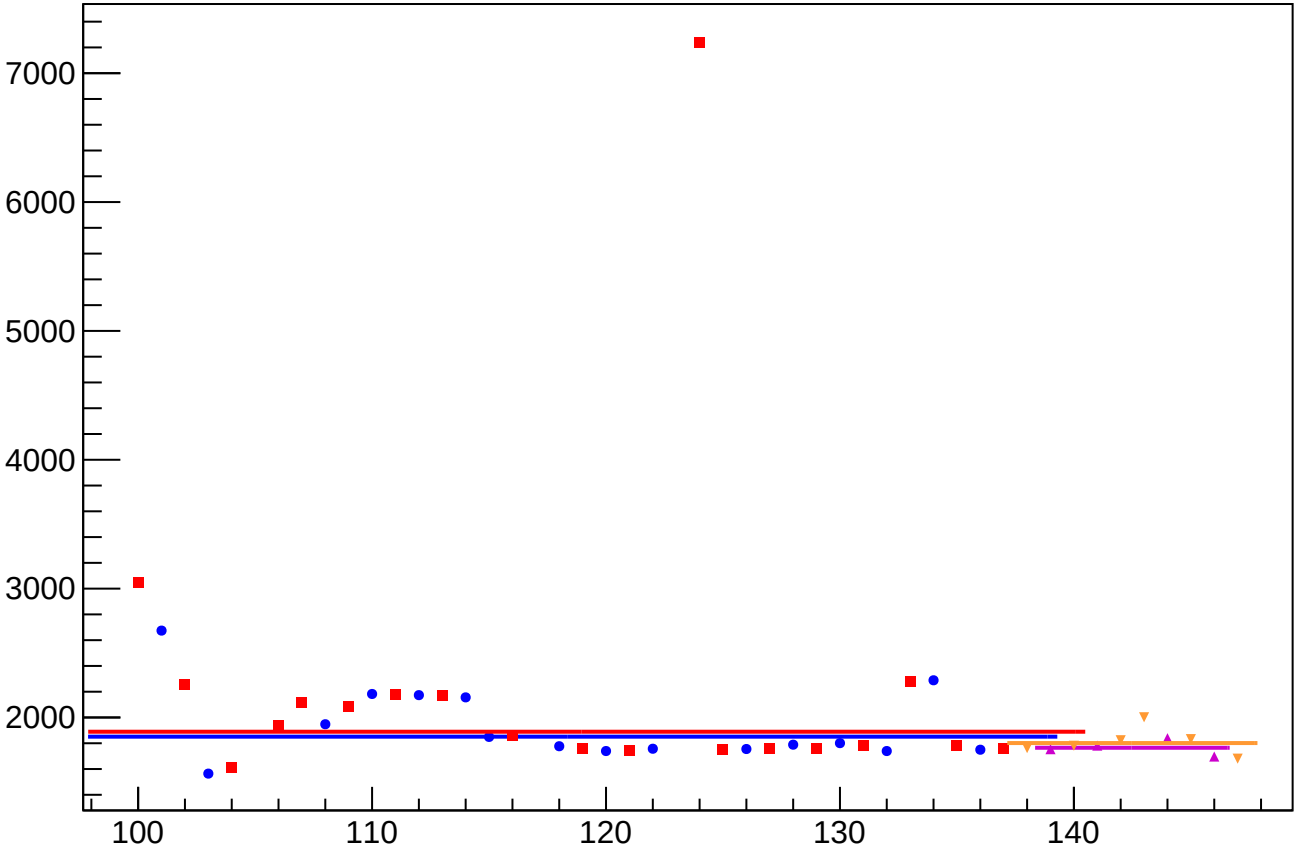
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1183.563+/-558.059 χ^2/NDF:18.2/19

Out: 330.096+/-542.690 χ^2/NDF:25.1/24

All: -405.603+/-389.060 χ^2/NDF: 47.1/44

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1801.528+/-0.600 χ^2/NDF:26491.1/5

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

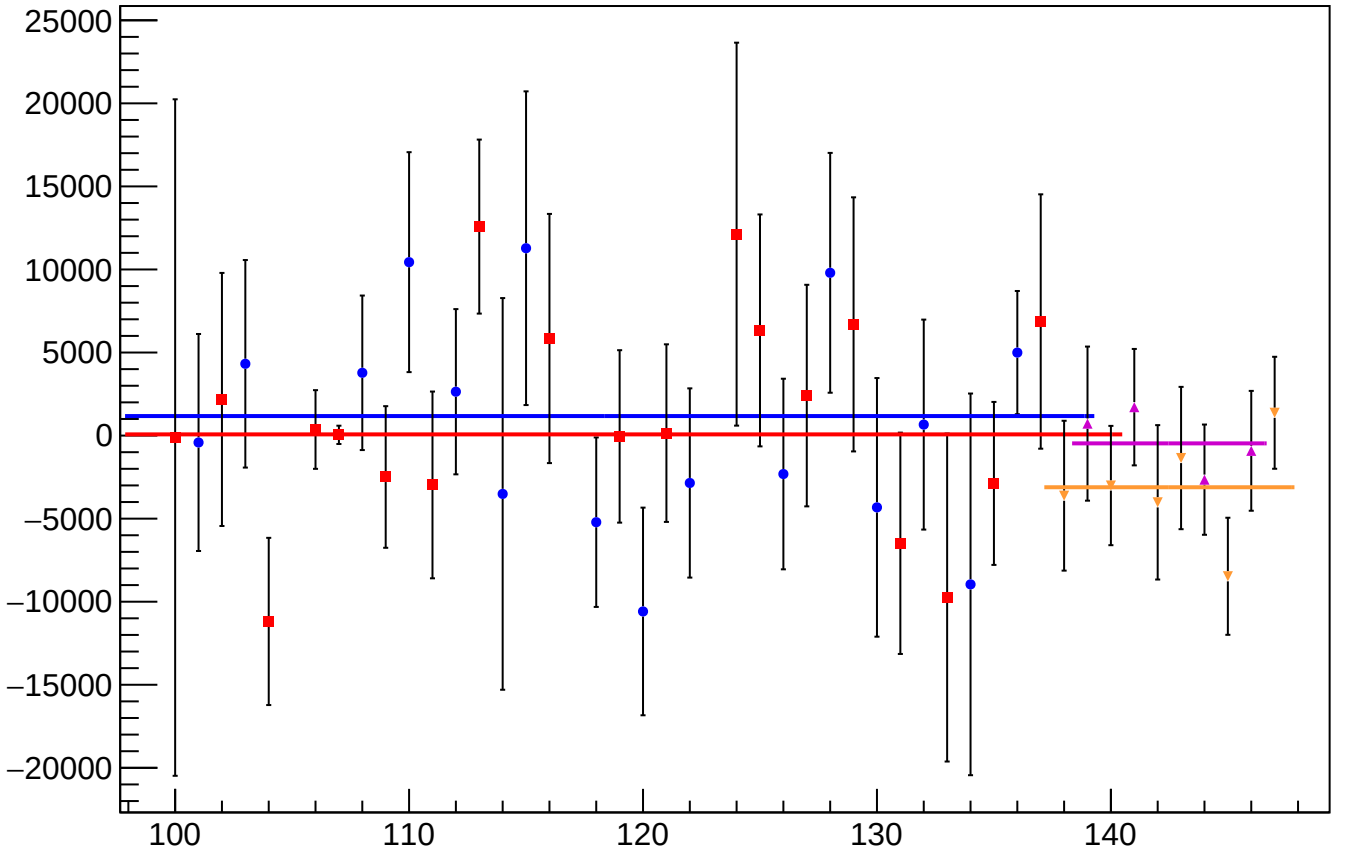
Left: 1785.133+/-0.445 χ^2/NDF: 34224.5/9

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1820.744+/-0.395 χ^2/NDF:276922.8/19

Out: 1853.634+/-0.383 χ^2/NDF:398129.4/24

All: 1837.671+/-0.275 χ^2/NDF: 678627.5/44



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -3110.190+/-1588.933 χ^2/NDF:4.3/5

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -468.812+/-1839.338 χ^2/NDF:0.9/3

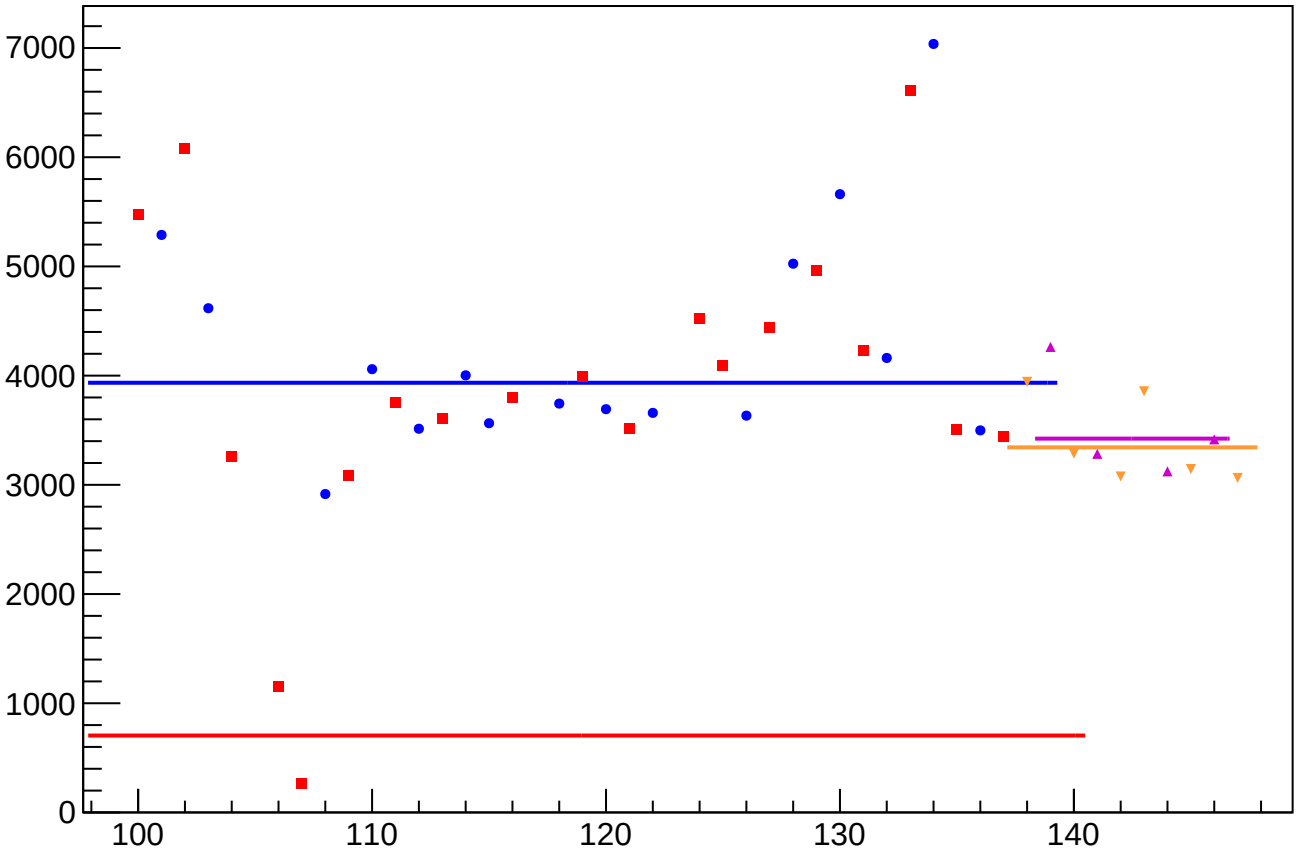
Left: -1981.407+/-1202.407 χ^2/NDF: 6.4/9

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 517.568+/-1163.446 χ^2/NDF:15.1/19

Out: -220.058+/-481.877 χ^2/NDF:25.9/24

All: -112.050+/-445.202 χ^2/NDF: 41.3/44



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3343.091+/-1.124 χ^2/NDF:91368.9/5

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3423.169+/-1.301 χ^2/NDF:85036.4/3

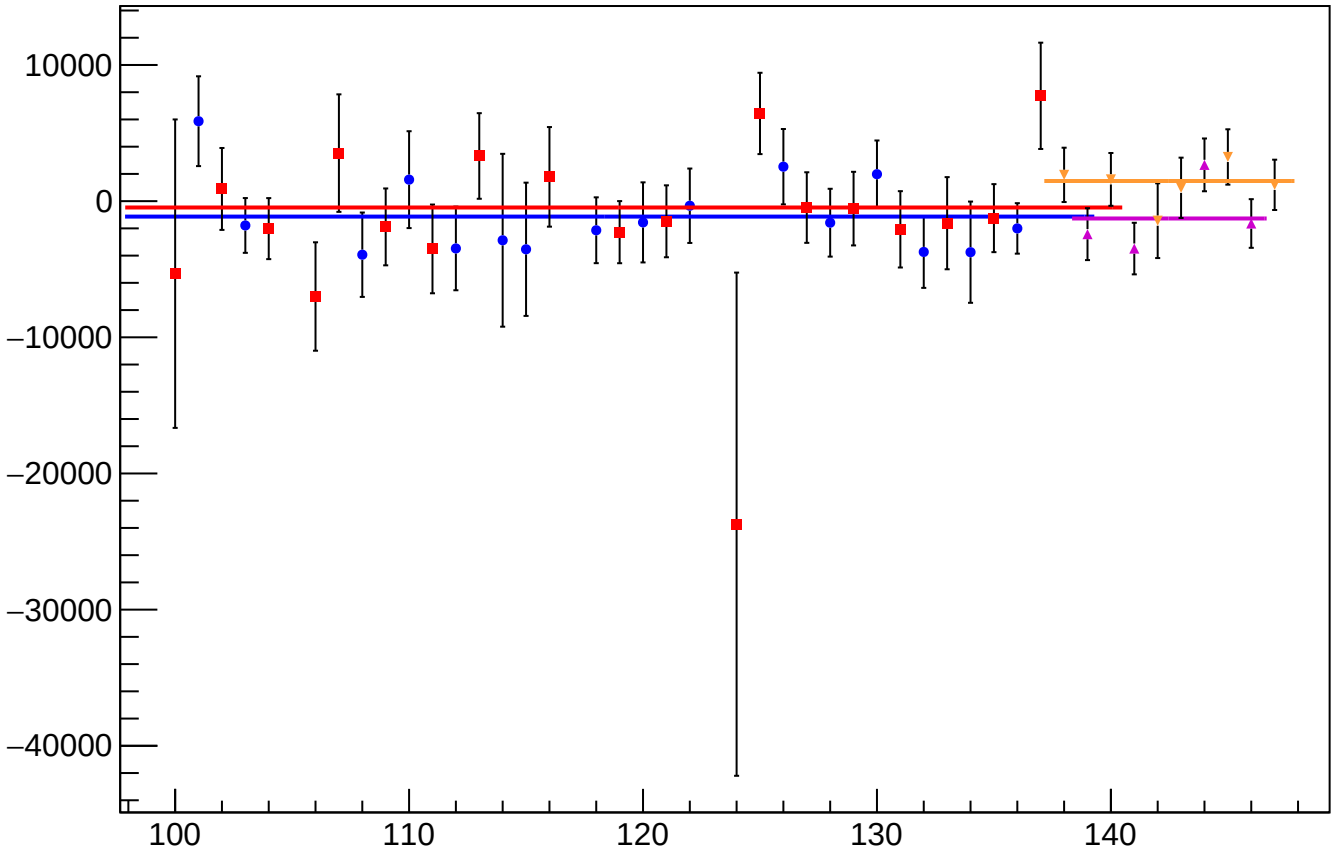
Left: 3377.312+/-0.850 χ^2/NDF: 178576.2/9

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3730.047+/-0.823 χ^2/NDF:737964.4/19

Out: 947.076+/-0.341 χ^2/NDF:15718417.1/24

All: 1354.578+/-0.315 χ^2/NDF: 26224157.5/4



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1479.663+/-848.570 χ^2/NDF:2.0/5

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1273.371+/-939.296 χ^2/NDF:5.9/3

Left: 242.491+/-629.668 χ^2/NDF: 12.6/9

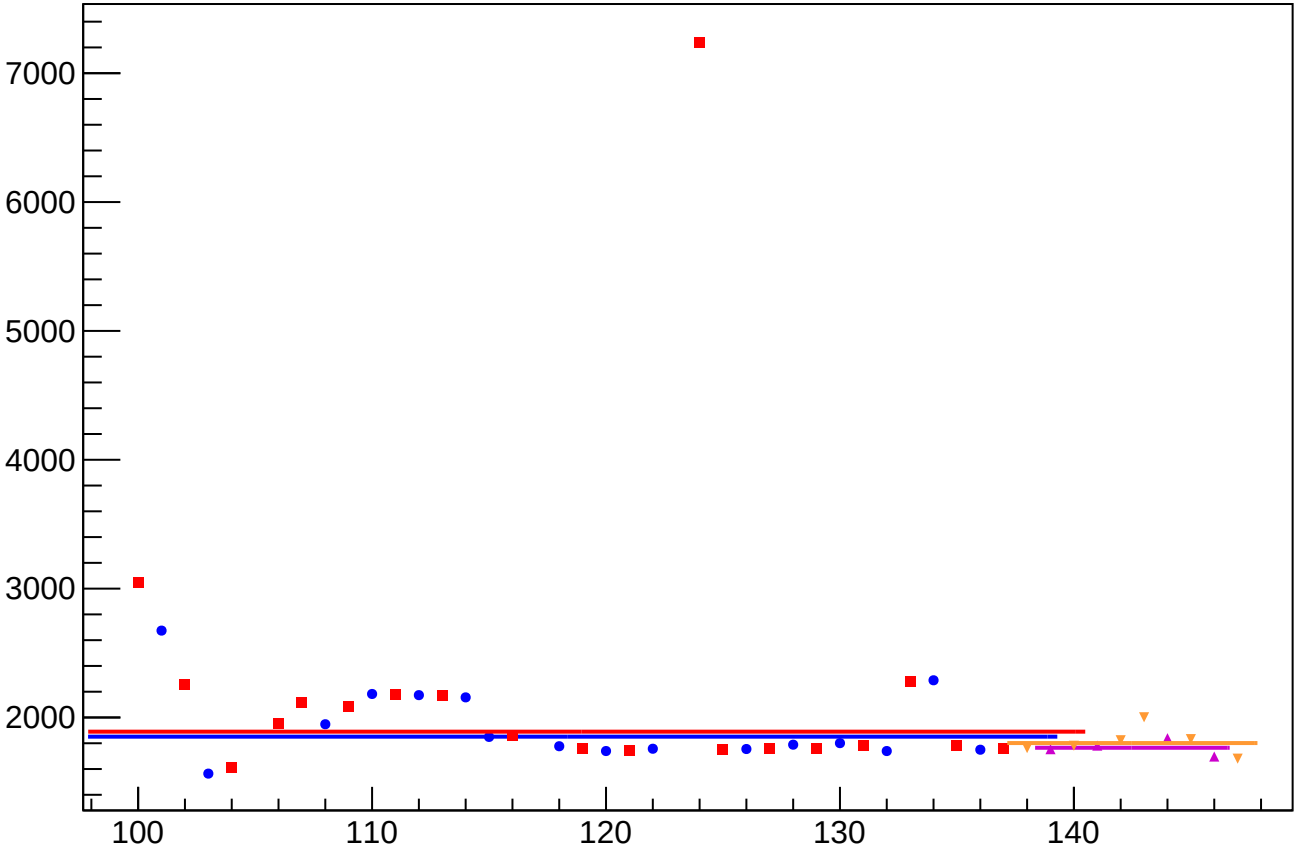
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1183.327+/-558.059 χ^2/NDF:18.2/19

Out: 329.846+/-542.690 χ^2/NDF:25.2/24

All: -405.617+/-389.060 χ^2/NDF: 47.1/44

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1801.529+/-0.600 χ^2/NDF:26491.1/5

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

Left: 1785.133+/-0.445 χ^2/NDF: 34224.5/9

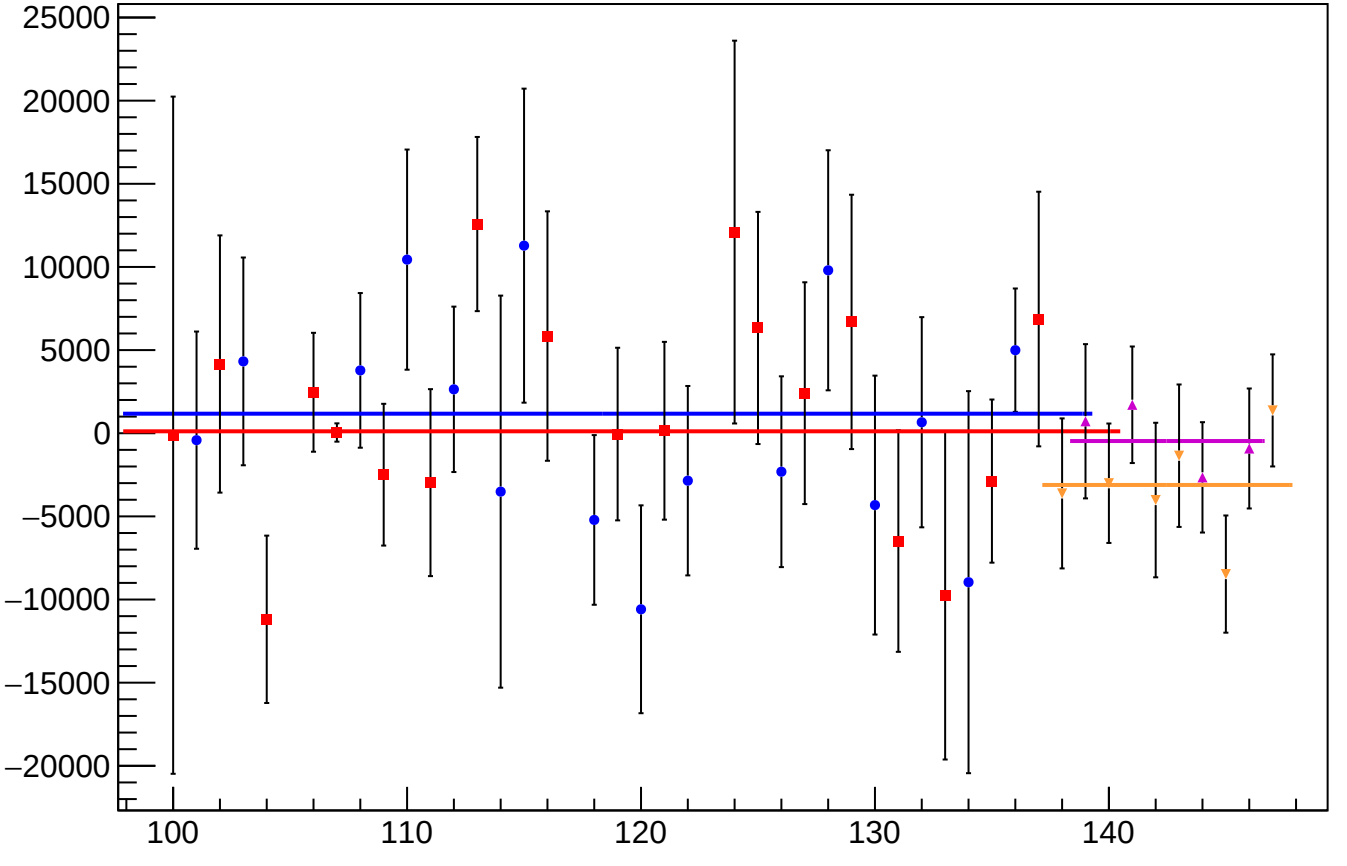
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1820.744+/-0.395 χ^2/NDF:276922.0/19

Out: 1853.896+/-0.383 χ^2/NDF:398479.7/24

All: 1837.803+/-0.275 χ^2/NDF: 679033.6/44

asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -3110.181+/-1588.927 χ^2/NDF:4.3/5

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -468.860+/-1839.340 χ^2/NDF:0.9/3

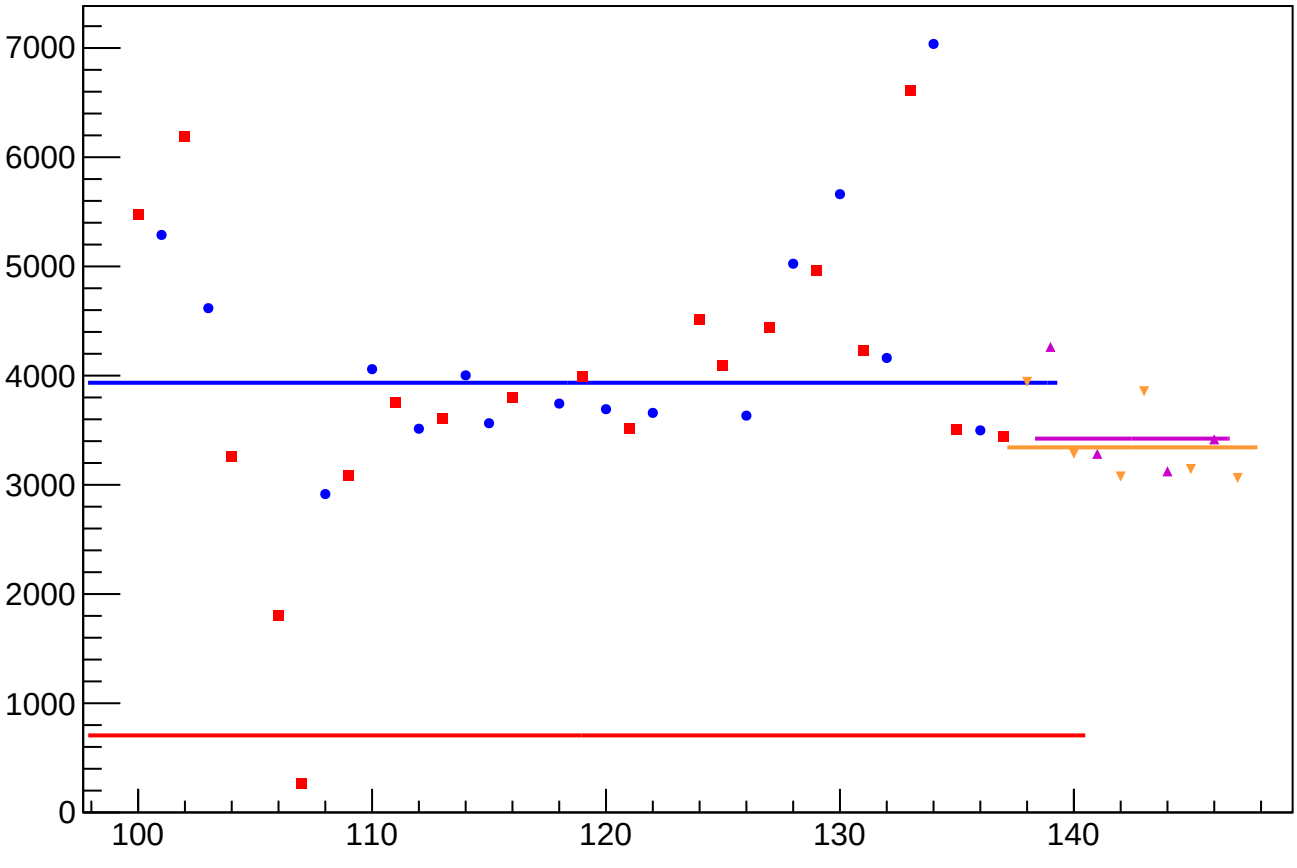
Left: -1981.429+/-1202.405 χ^2/NDF: 6.4/9

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 517.533+/-1163.449 χ^2/NDF:15.1/19

Out: -187.857+/-487.574 χ^2/NDF:26.6/24

All: -82.480+/-449.683 χ^2/NDF: 42.0/44



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3343.077+/-1.124 χ^2/NDF:91371.2/5

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3423.173+/-1.301 χ^2/NDF:85035.4/3

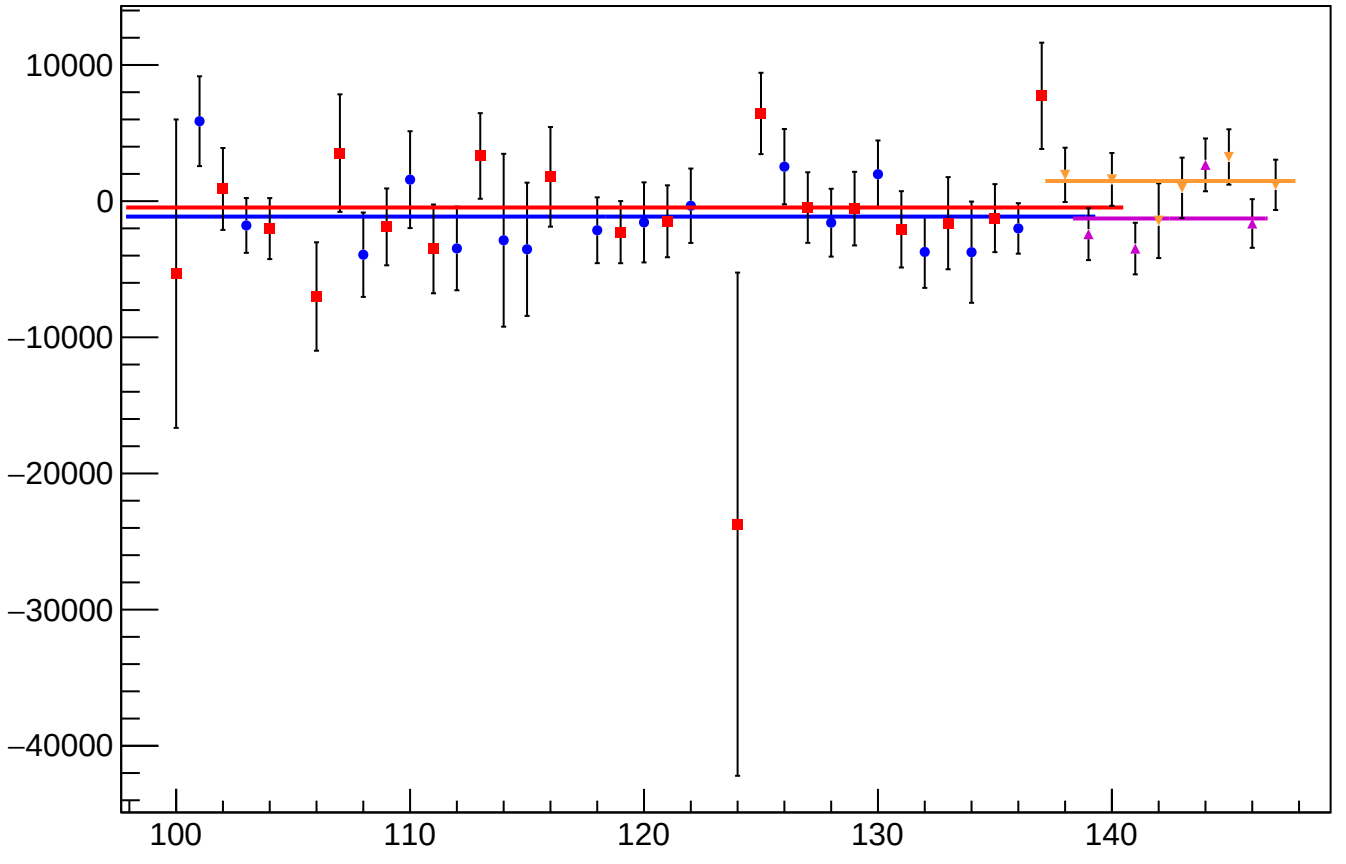
Left: 3377.305+/-0.850 χ^2/NDF: 178578.5/9

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3730.053+/-0.823 χ^2/NDF:737989.3/19

Out: 953.967+/-0.345 χ^2/NDF:15830225.1/24

All: 1368.682+/-0.318 χ^2/NDF: 26253943.1/4



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1479.663+/-848.570 χ^2/NDF:2.0/5

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1273.371+/-939.296 χ^2/NDF:5.9/3

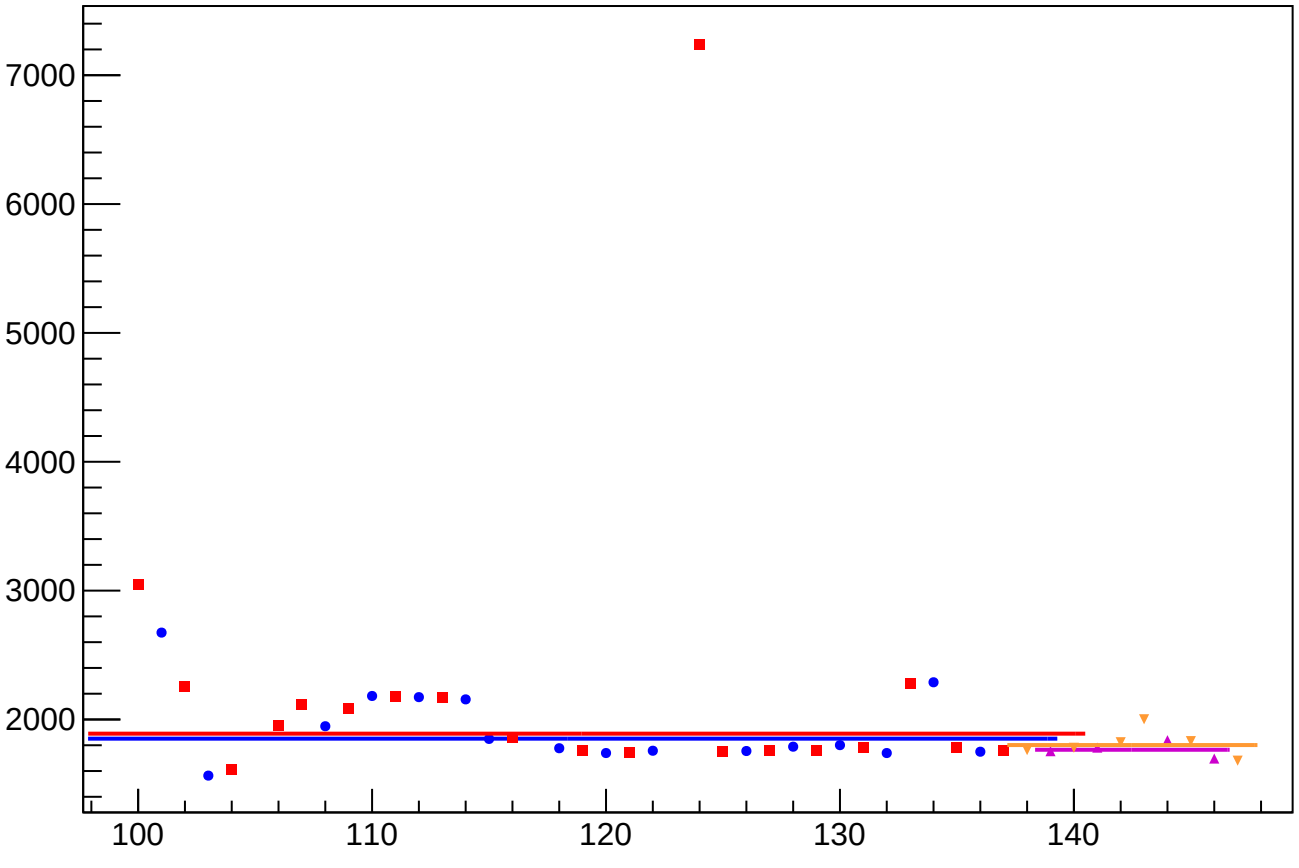
Left: 242.491+/-629.668 χ^2/NDF: 12.6/9

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1183.327+/-558.059 χ^2/NDF:18.2/19

Out: 329.846+/-542.690 χ^2/NDF:25.2/24

All: -405.617+/-389.060 χ^2/NDF: 47.1/44



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1801.529+/-0.600 χ^2/NDF:26491.1/5

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1765.045+/-0.664 χ^2/NDF:6072.0/3

Left: 1785.133+/-0.445 χ^2/NDF: 34224.5/9

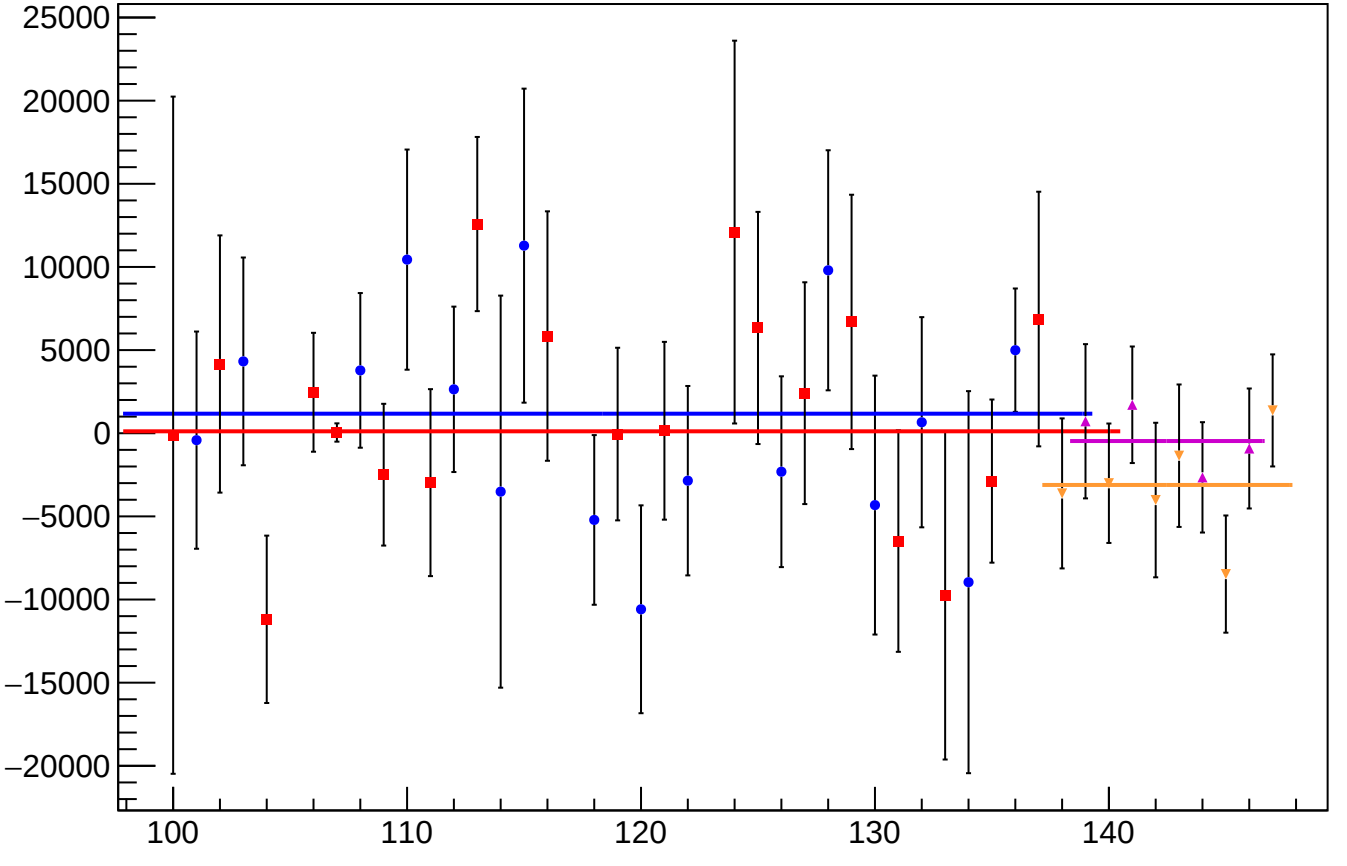
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1820.744+/-0.395 χ^2/NDF:276922.0/19

Out: 1853.896+/-0.383 χ^2/NDF:398479.7/24

All: 1837.803+/-0.275 χ^2/NDF: 679033.6/44

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: -3110.181+/-1588.927 χ^2/NDF:4.3/5

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -468.860+/-1839.340 χ^2/NDF:0.9/3

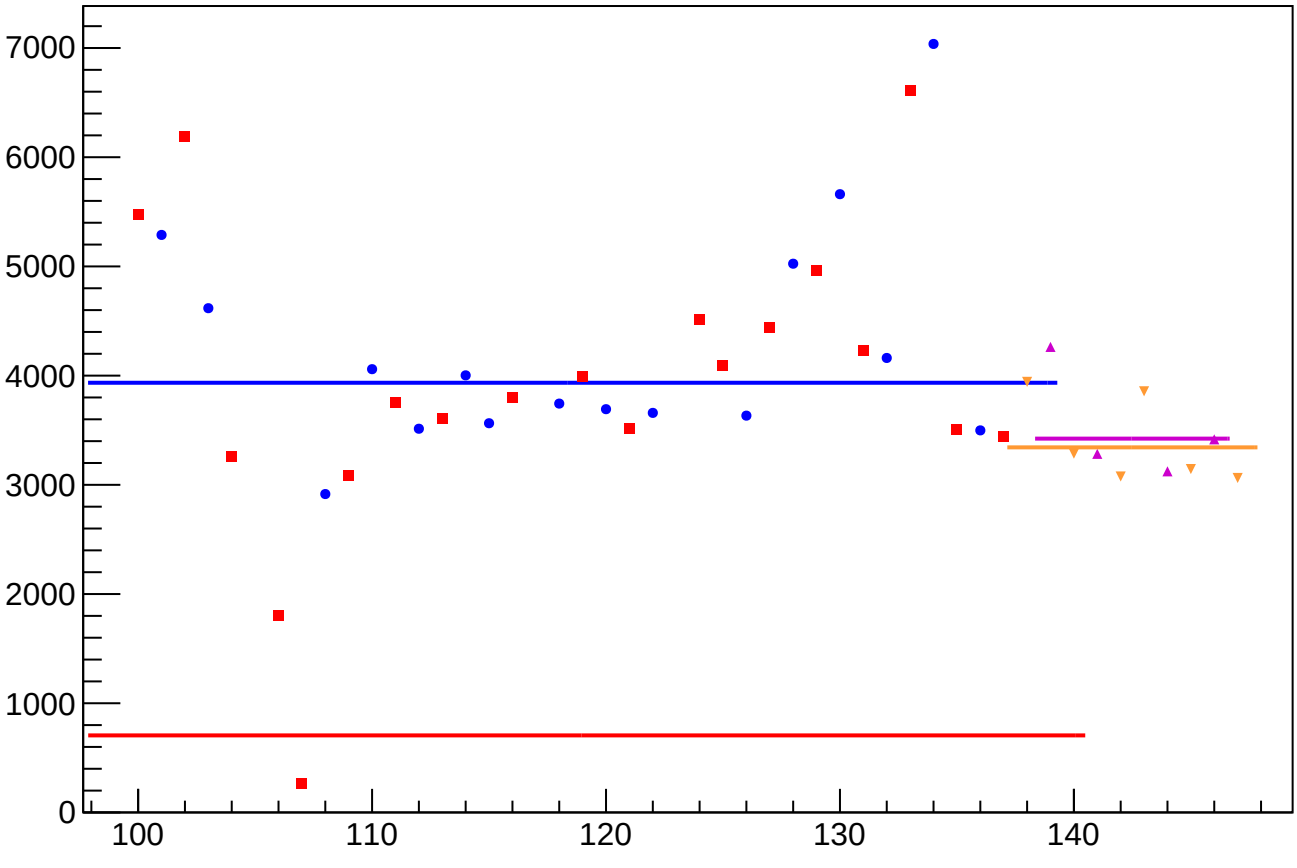
Left: -1981.429+/-1202.405 χ^2/NDF: 6.4/9

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 517.533+/-1163.449 χ^2/NDF:15.1/19

Out: -187.857+/-487.574 χ^2/NDF:26.6/24

All: -82.480+/-449.683 χ^2/NDF: 42.0/44



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3343.077+/-1.124 χ^2/NDF:91371.2/5

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3423.173+/-1.301 χ^2/NDF:85035.4/3

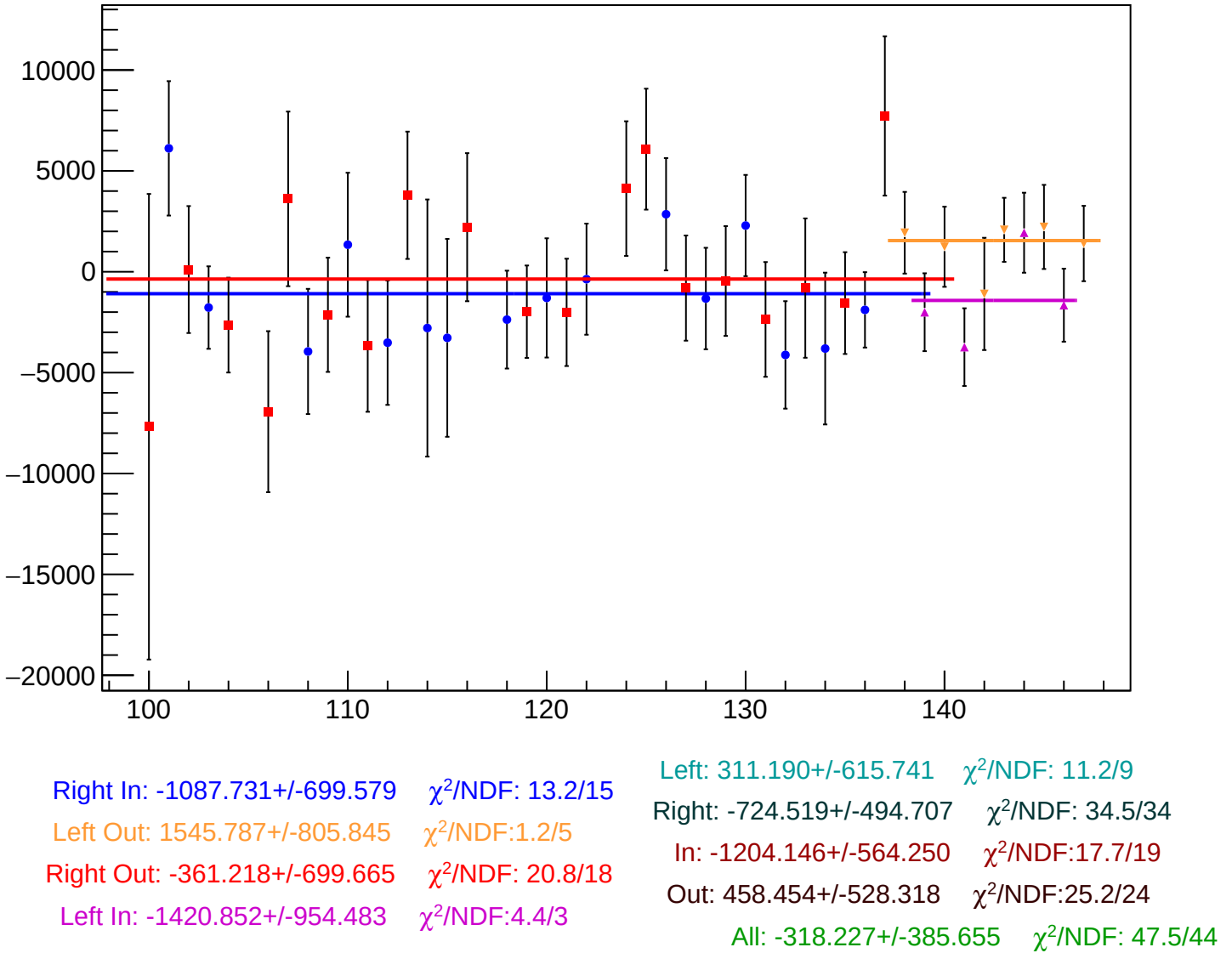
Left: 3377.305+/-0.850 χ^2/NDF: 178578.5/9

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

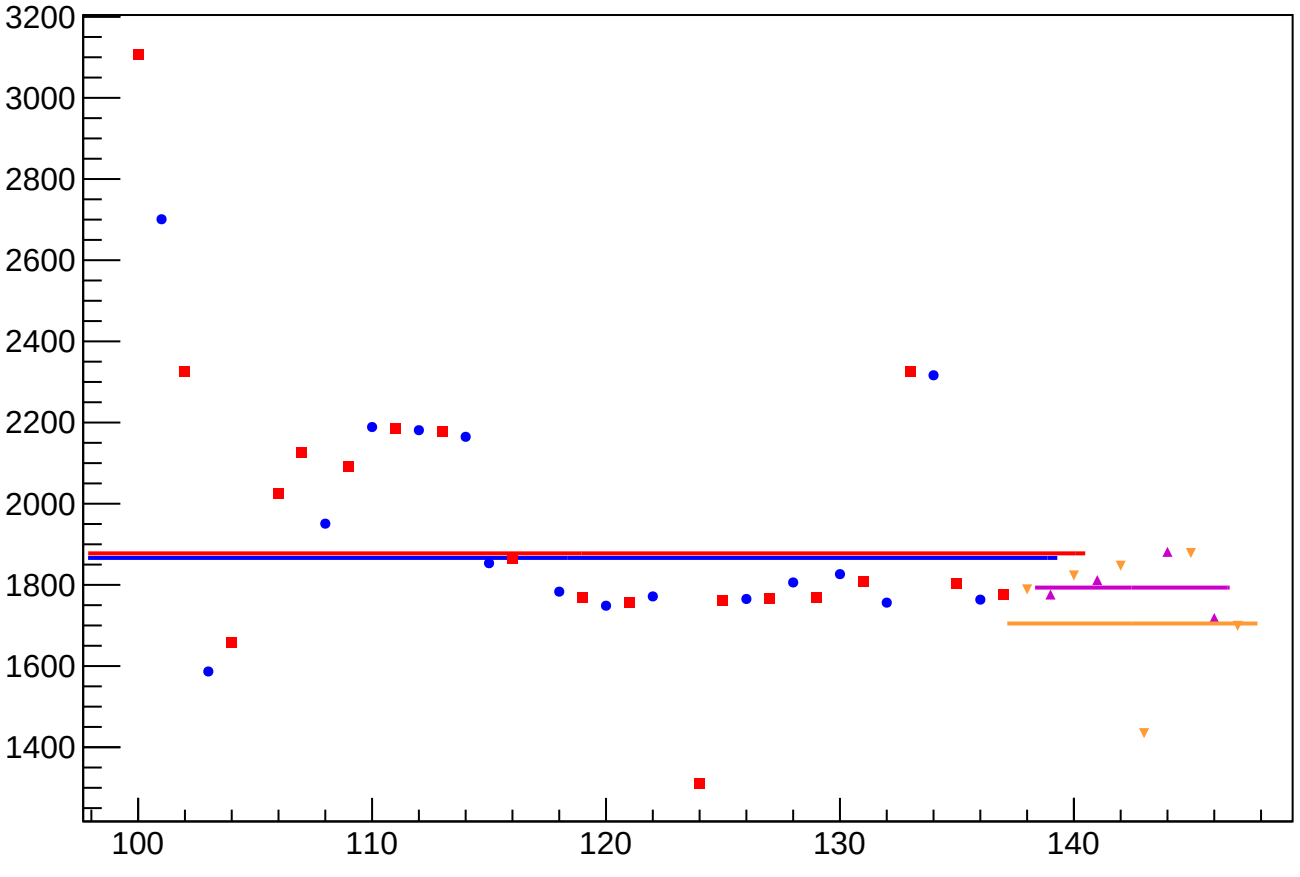
In: 3730.053+/-0.823 χ^2/NDF:737989.3/19

Out: 953.967+/-0.345 χ^2/NDF:15830225.1/24

All: 1368.682+/-0.318 χ^2/NDF: 26253943.1/4


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 1545.787+/-805.845 χ²/NDF:1.2/5
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -1420.852+/-954.483 χ²/NDF:4.4/3
Left: 311.190+/-615.741 χ²/NDF: 11.2/9
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -1204.146+/-564.250 χ²/NDF:17.7/19
Out: 458.454+/-528.318 χ²/NDF:25.2/24
All: -318.227+/-385.655 χ²/NDF: 47.5/44

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1704.864+/-0.570 χ^2/NDF:87612.7/5

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1793.324+/-0.675 χ^2/NDF:7713.4/3

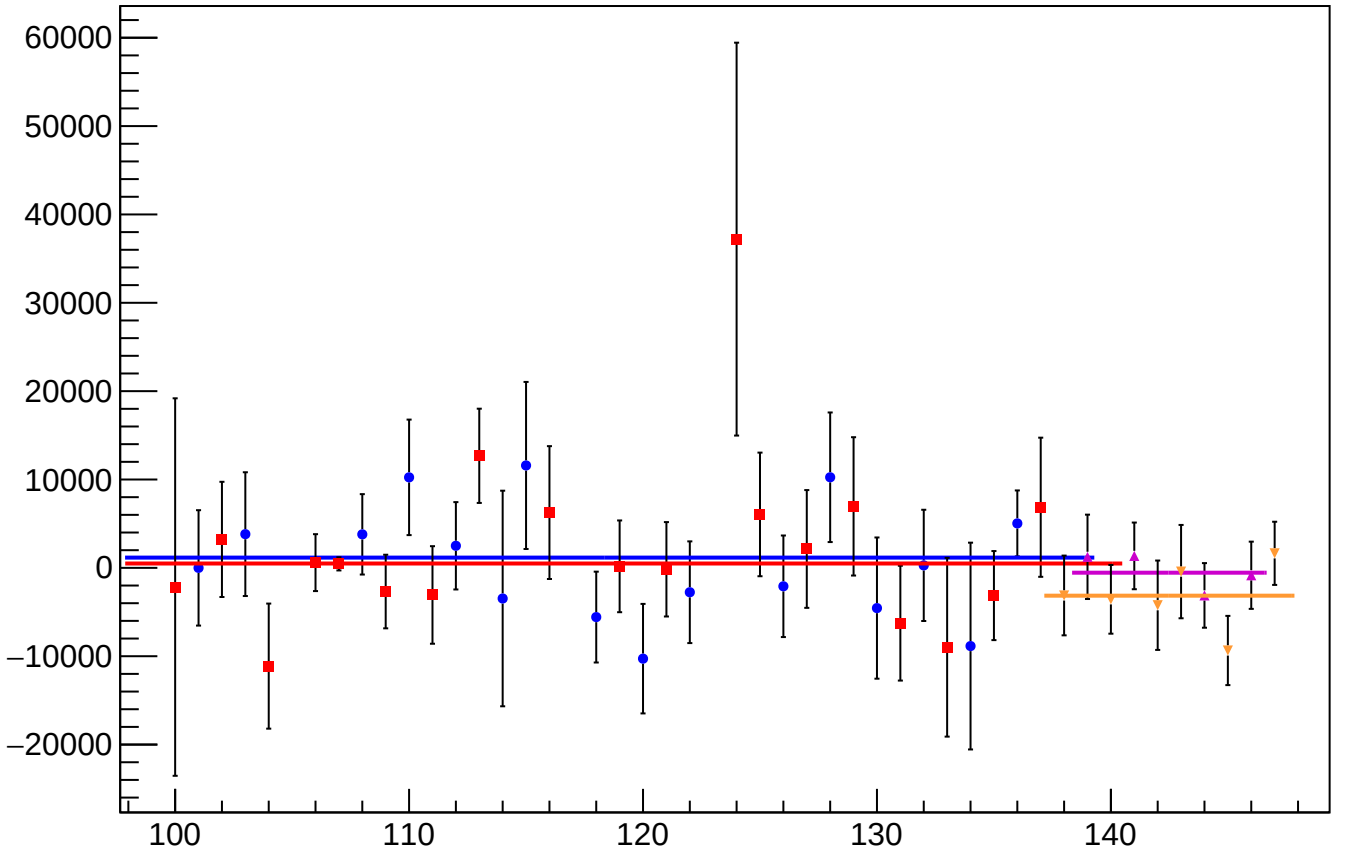
Left: 1741.678+/-0.435 χ^2/NDF: 105355.8/9

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1840.899+/-0.399 χ^2/NDF:271613.7/19

Out: 1803.458+/-0.373 χ^2/NDF:391932.7/24

All: 1820.940+/-0.273 χ^2/NDF: 668240.7/44



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -3147.913+/-1731.416 χ^2/NDF:4.6/5

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -547.222+/-1968.566 χ^2/NDF:0.9/3

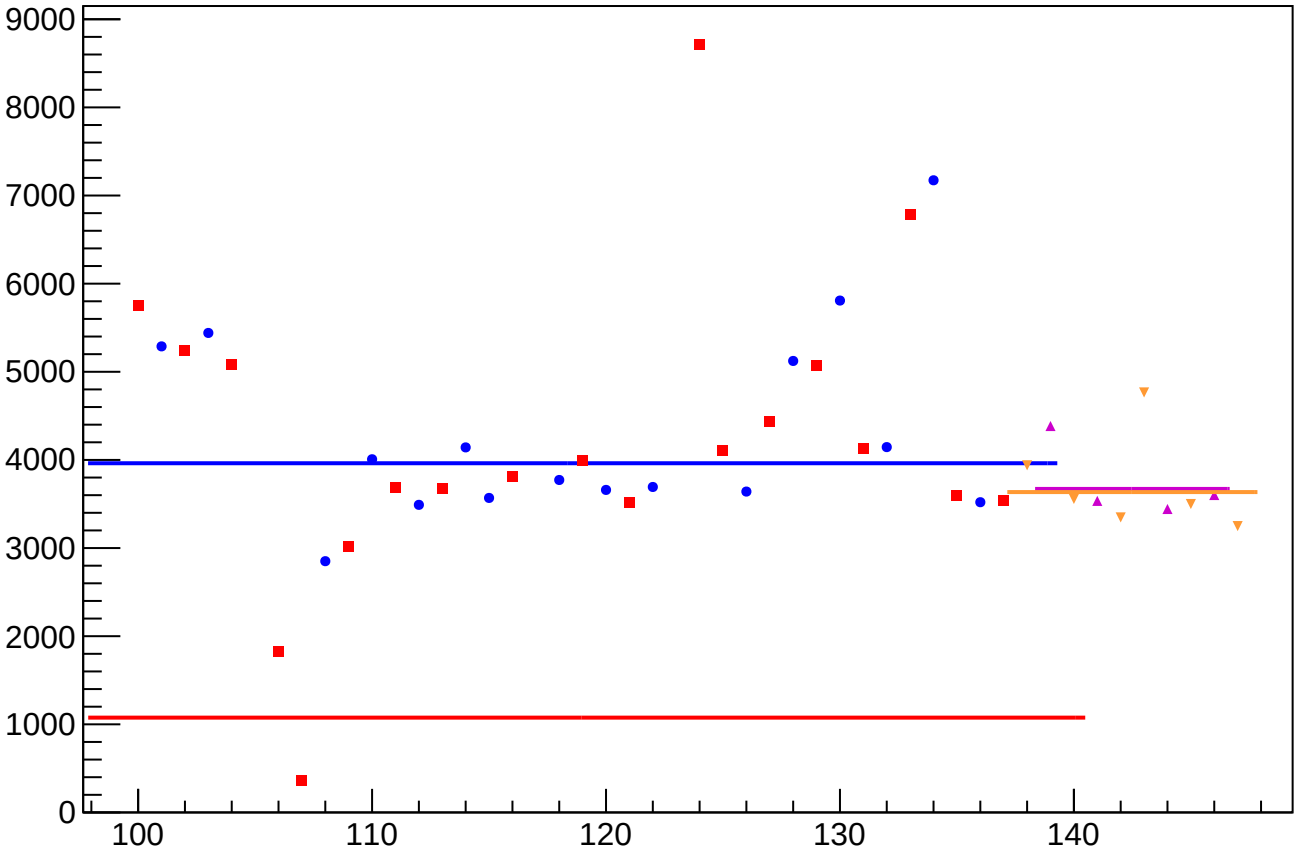
Left: -2013.577+/-1300.099 χ^2/NDF: 6.5/9

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 527.135+/-1199.231 χ^2/NDF:15.0/19

Out: 32.811+/-615.497 χ^2/NDF:25.4/24

All: 135.876+/-547.586 χ^2/NDF: 40.6/44



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3635.211+/-1.224 χ^2/NDF:133670.2/5

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3670.903+/-1.392 χ^2/NDF:55703.1/3

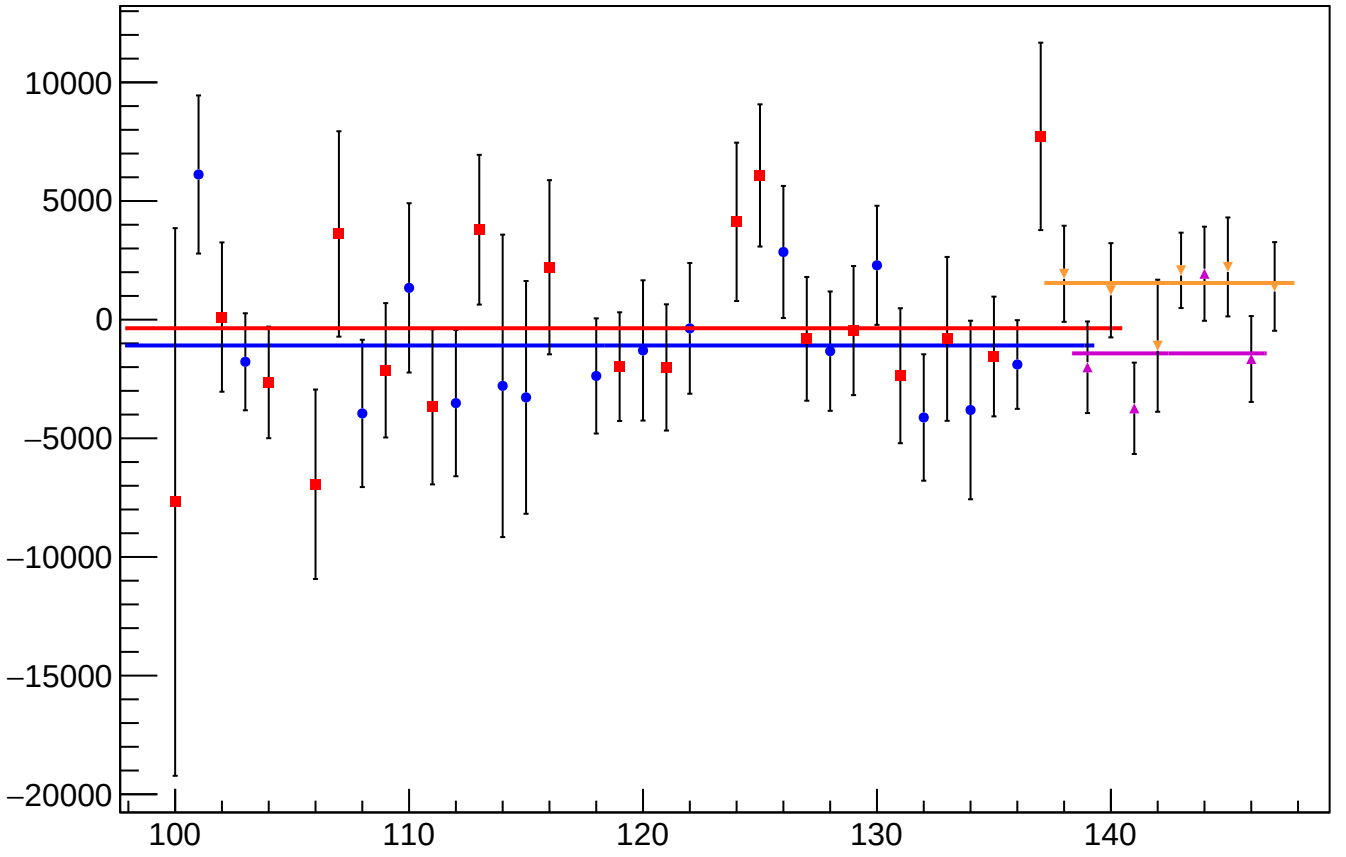
Left: 3650.779+/-0.919 χ^2/NDF: 189743.9/9

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3854.201+/-0.848 χ^2/NDF:751615.1/19

Out: 1399.374+/-0.435 χ^2/NDF:13509560.4/24

All: 1911.197+/-0.387 χ^2/NDF: 20894311.4/4



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1545.778+/-805.845 χ^2/NDF:1.2/5

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1420.846+/-954.483 χ^2/NDF:4.4/3

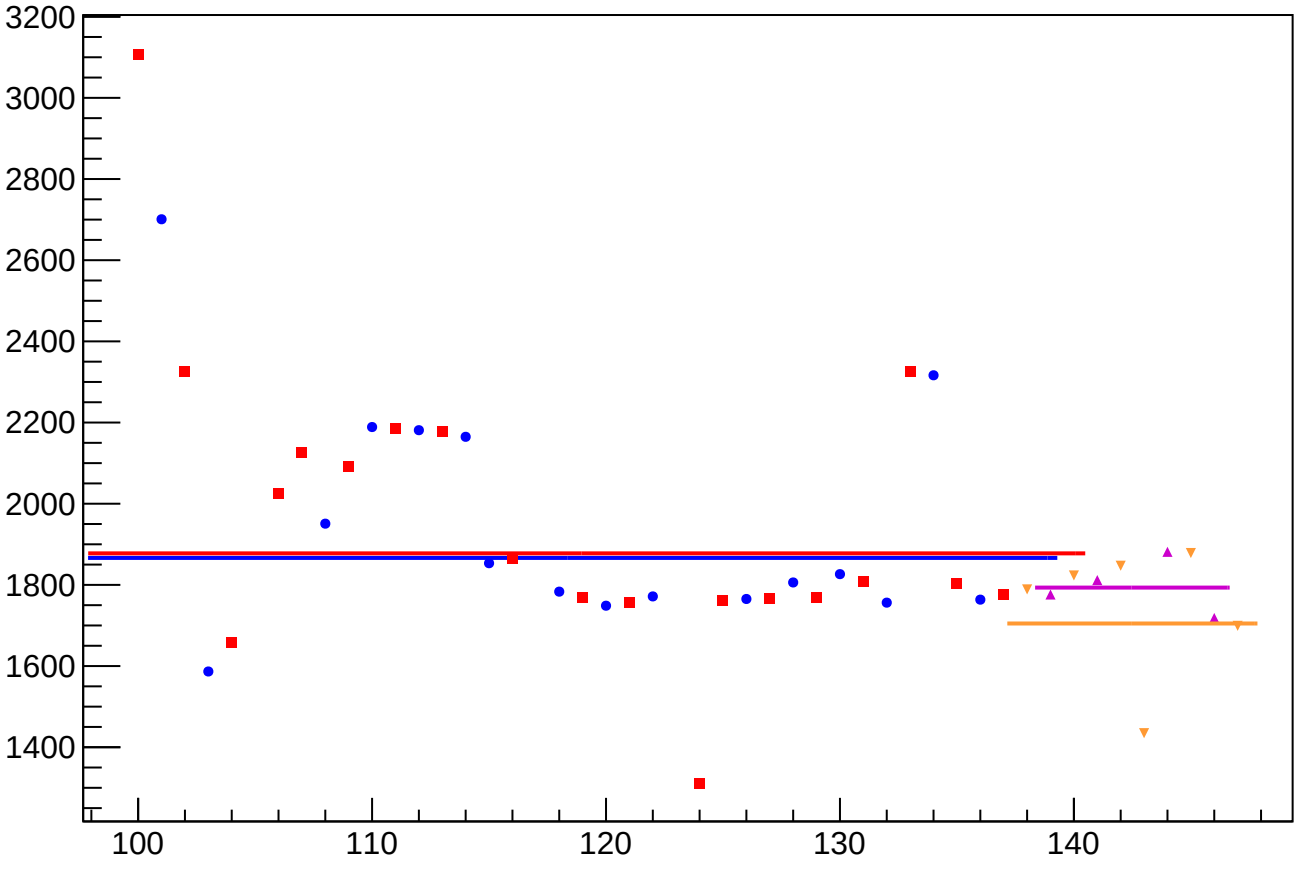
Left: 311.187+/-615.742 χ^2/NDF: 11.2/9

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1204.147+/-564.250 χ^2/NDF:17.7/19

Out: 458.446+/-528.318 χ^2/NDF:25.2/24

All: -318.231+/-385.655 χ^2/NDF: 47.5/44



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1704.865+/-0.570 χ^2/NDF:87611.8/5

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1793.325+/-0.675 χ^2/NDF:7713.4/3

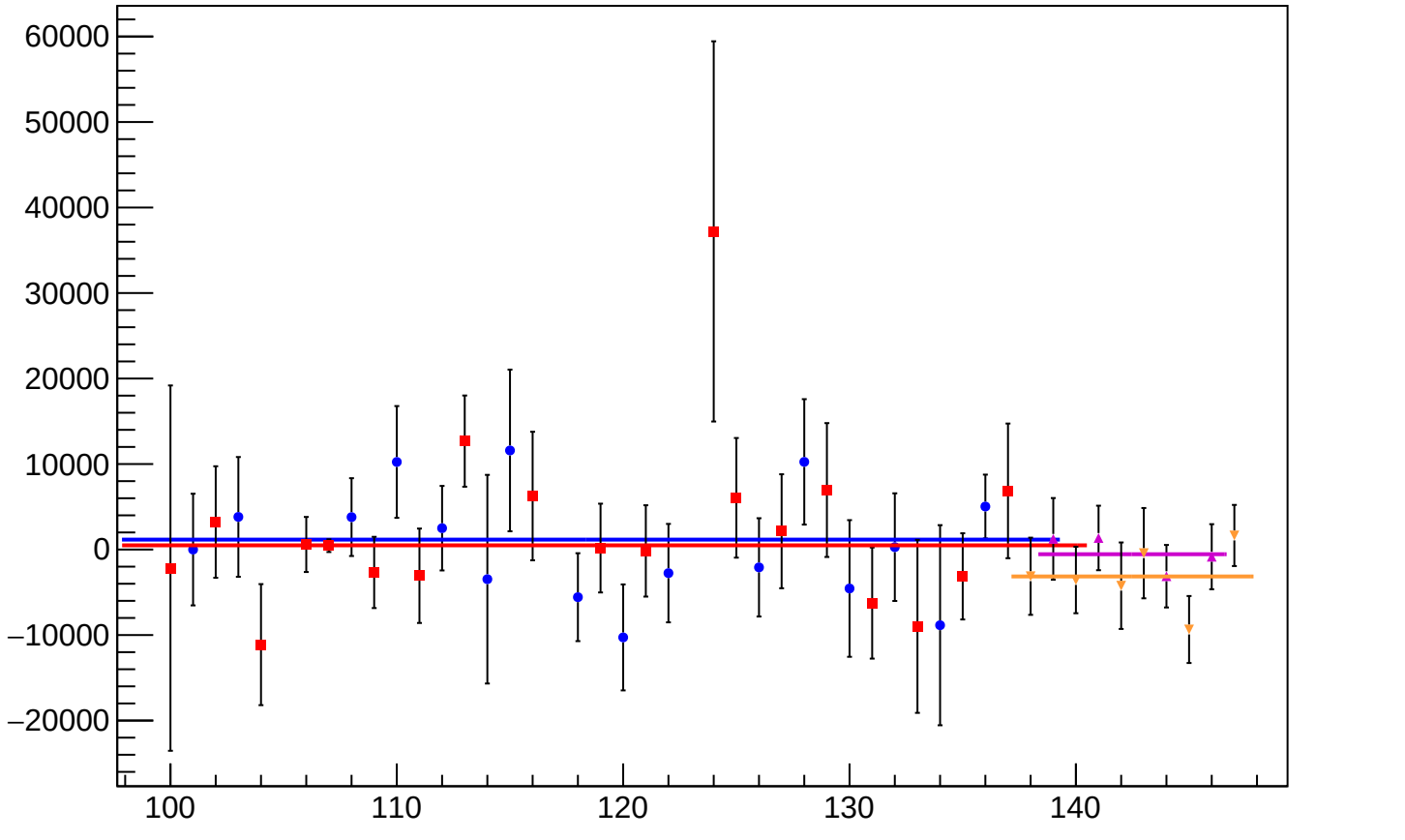
Left: 1741.679+/-0.435 χ^2/NDF: 105354.7/9

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1840.899+/-0.399 χ^2/NDF:271613.3/19

Out: 1803.459+/-0.373 χ^2/NDF:391931.3/24

All: 1820.940+/-0.273 χ^2/NDF: 668238.9/44



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -3147.919+/-1731.417 χ^2/NDF:4.6/5

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -547.214+/-1968.569 χ^2/NDF:0.9/3

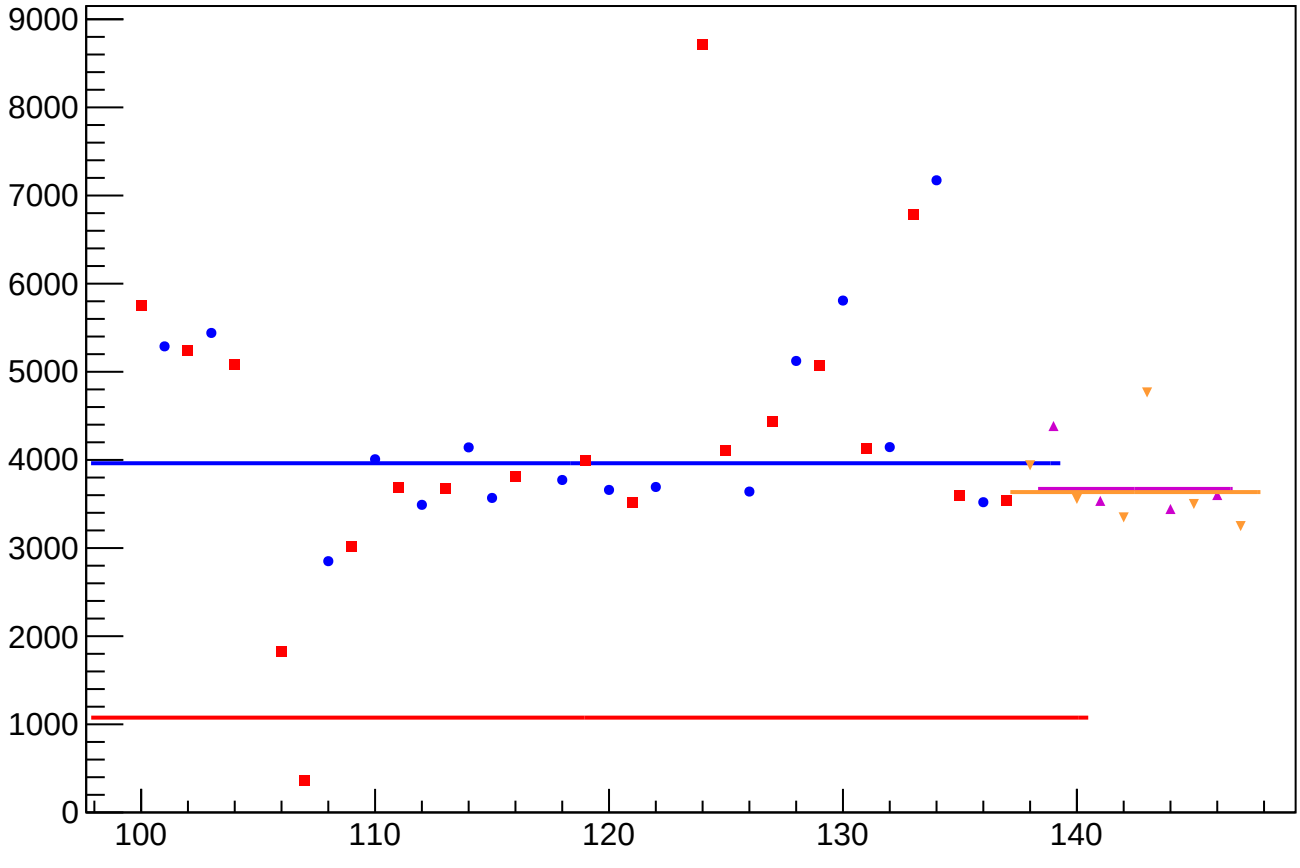
Left: -2013.577+/-1300.101 χ^2/NDF: 6.5/9

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 527.128+/-1199.230 χ^2/NDF:15.0/19

Out: 32.804+/-615.506 χ^2/NDF:25.4/24

All: 135.871+/-547.592 χ^2/NDF: 40.6/44



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3635.215+/-1.224 χ^2/NDF:133668.8/5

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3670.907+/-1.392 χ^2/NDF:55703.7/3

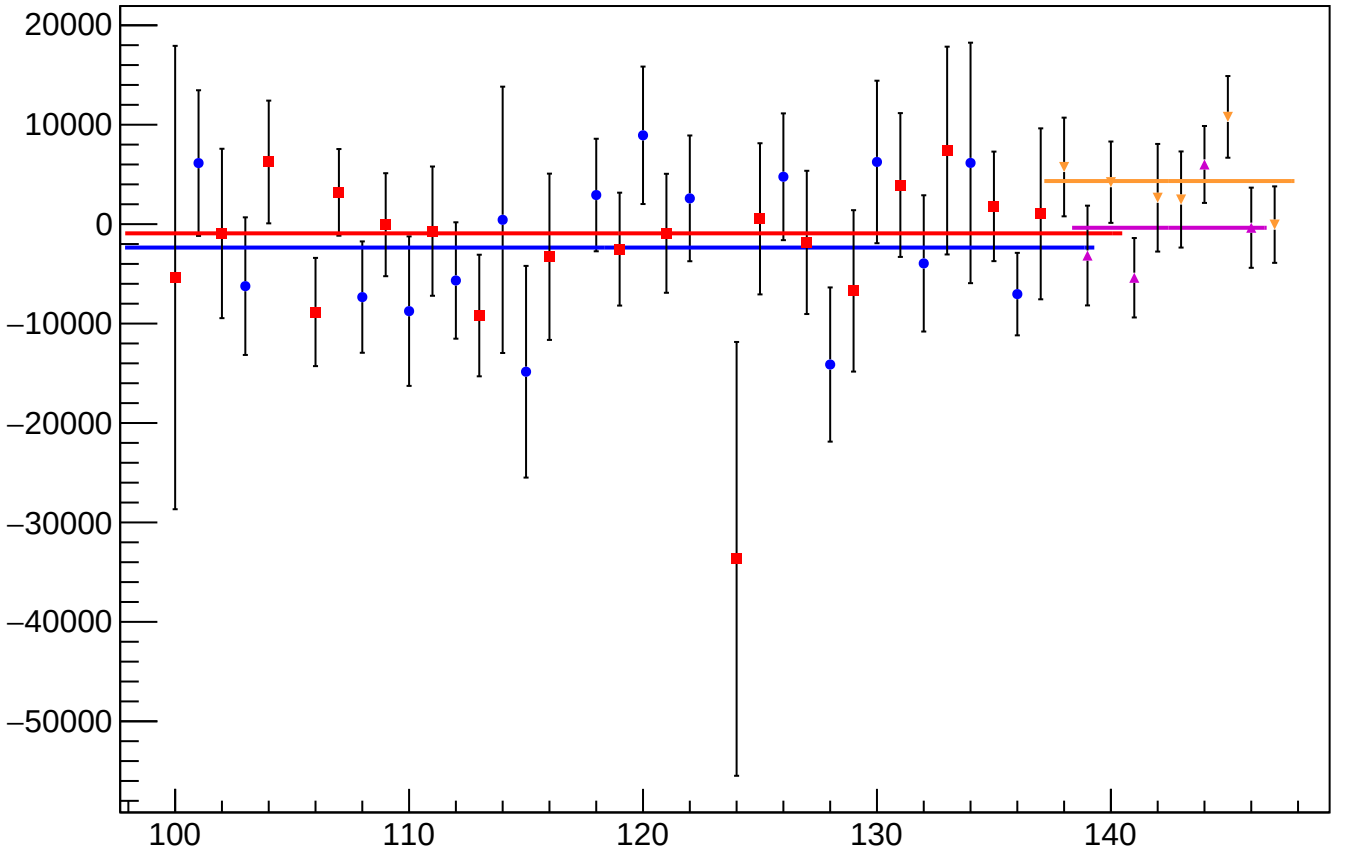
Left: 3650.782+/-0.919 χ^2/NDF: 189743.2/9

Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3854.199+/-0.848 χ^2/NDF:751610.2/19

Out: 1399.410+/-0.435 χ^2/NDF:13509326.2/24

All: 1911.238+/-0.387 χ^2/NDF: 20893832.9/4



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 4334.345+/-1813.162 χ^2/NDF:4.1/5

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -364.981+/-2081.884 χ^2/NDF:4.6/3

Left: 2307.357+/-1367.302 χ^2/NDF: 11.6/9

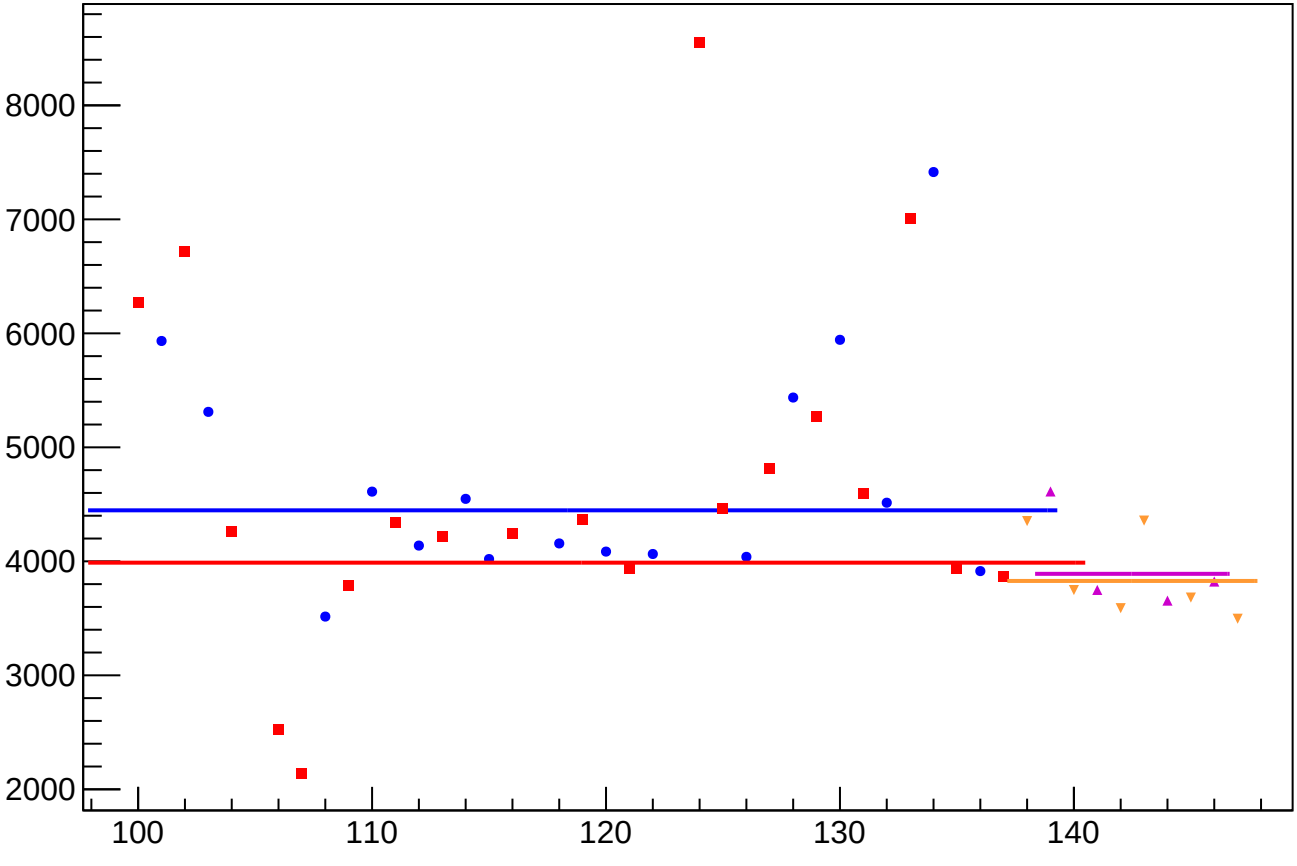
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -1567.392+/-1309.659 χ^2/NDF:20.7/19

Out: 1290.549+/-1176.808 χ^2/NDF:19.6/24

All: 13.843+/-875.341 χ^2/NDF: 42.9/44

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3827.904+/-1.282 χ^2/NDF:68447.2/5

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 3890.346+/-1.472 χ^2/NDF:51920.8/3

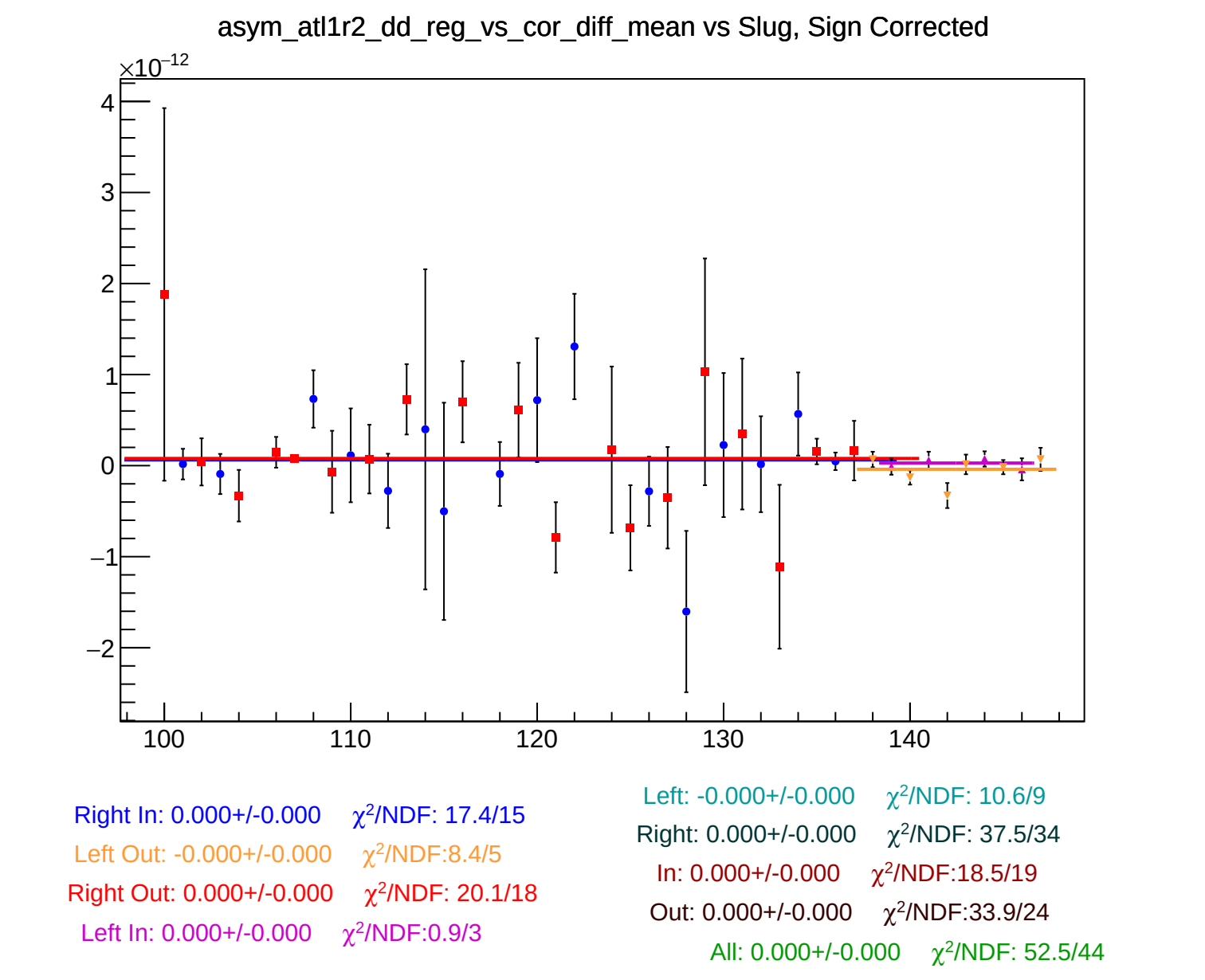
Left: 3854.837+/-0.967 χ^2/NDF: 121391.1/9

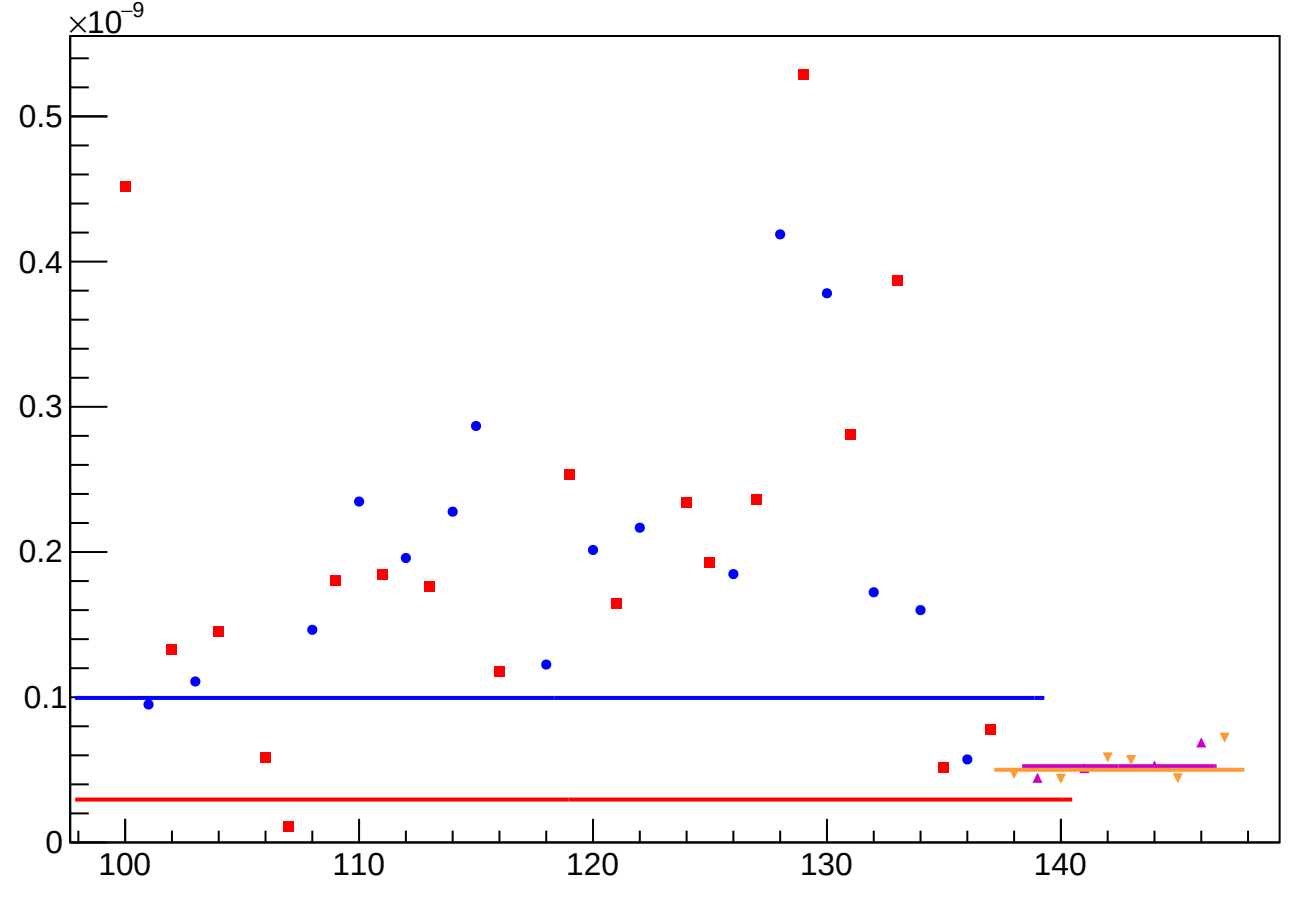
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4226.969+/-0.926 χ^2/NDF:596704.0/19

Out: 3921.482+/-0.827 χ^2/NDF:1221507.8/24

All: 4057.076+/-0.617 χ^2/NDF: 1878729.6/44


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
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:8.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:0.9/3
Left: -0.000+/-0.000 χ²/NDF: 10.6/9
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:18.5/19
Out: 0.000+/-0.000 χ²/NDF:33.9/24
All: 0.000+/-0.000 χ²/NDF: 52.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:101841.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:53263.0/3

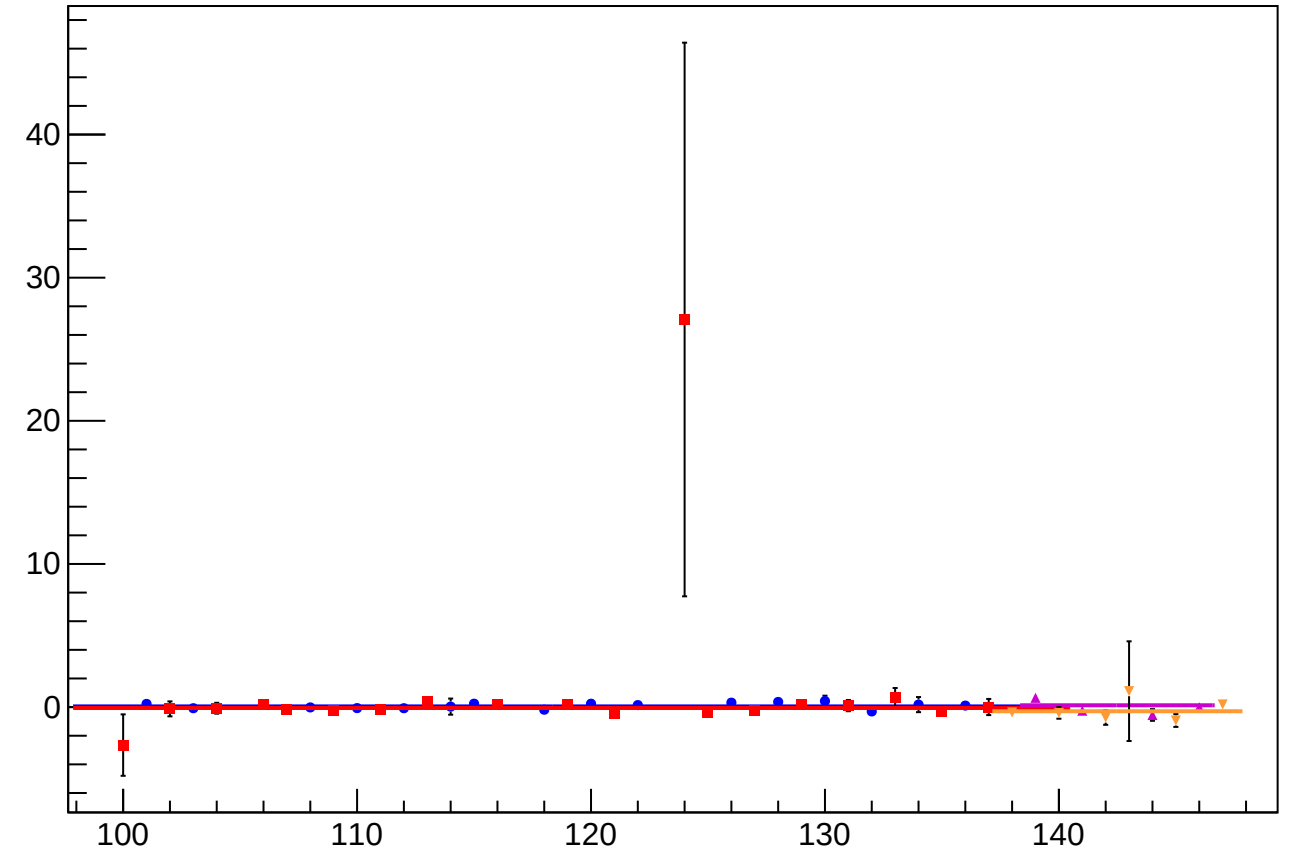
Left: 0.000+/-0.000 χ^2/NDF: 158417.9/9

Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2260566.7/19

Out: 0.000+/-0.000 χ^2/NDF:4787592.9/24

All: 0.000+/-0.000 χ^2/NDF: 7861752.9/44



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.128+/-0.149 χ^2/NDF:9.0/3

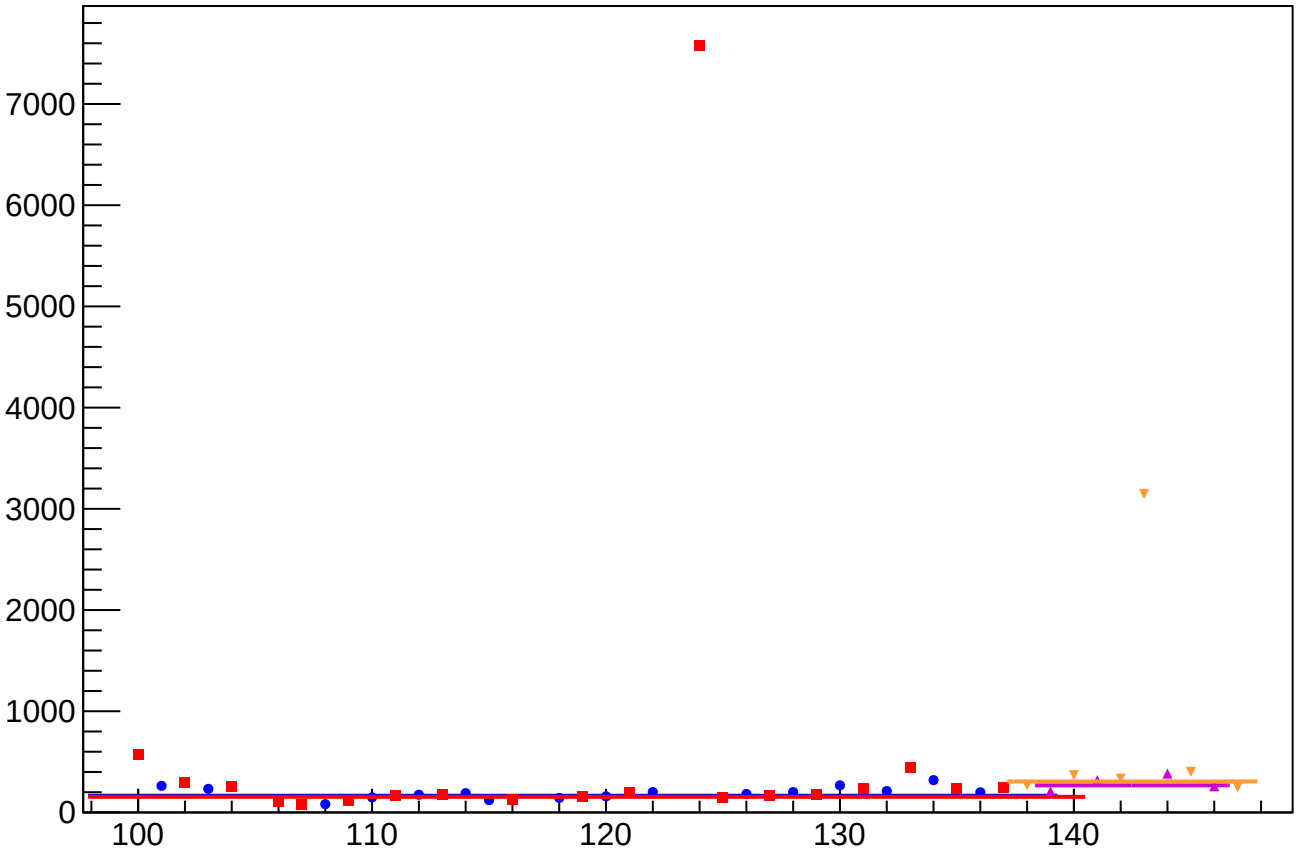
Left: -0.064+/-0.109 χ^2/NDF: 18.8/9

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.061+/-0.061 χ^2/NDF:16.9/19

Out: -0.093+/-0.060 χ^2/NDF:26.3/24

All: -0.017+/-0.043 χ^2/NDF: 46.4/44



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 306.250+/-0.114 χ^2/NDF:1594568.4/5

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.836+/-0.105 χ^2/NDF:330122.1/3

Left: 285.553+/-0.077 χ^2/NDF: 1986285.3/9

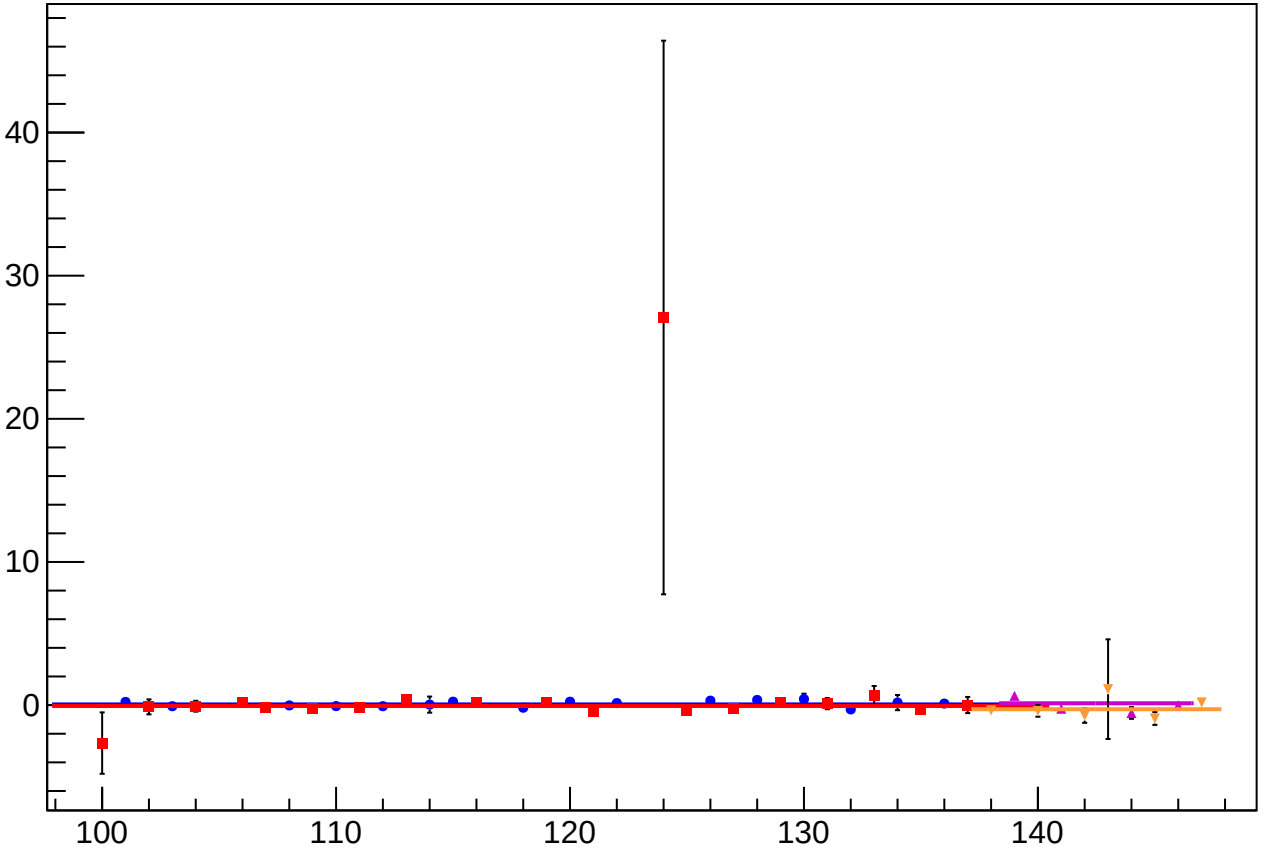
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 181.992+/-0.043 χ^2/NDF:2604827.8/19

Out: 175.410+/-0.042 χ^2/NDF:5055266.0/24

All: 178.654+/-0.030 χ^2/NDF: 7672042.4/44

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: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.128+/-0.149 χ^2/NDF:9.0/3

Left: -0.064+/-0.109 χ^2/NDF: 18.8/9

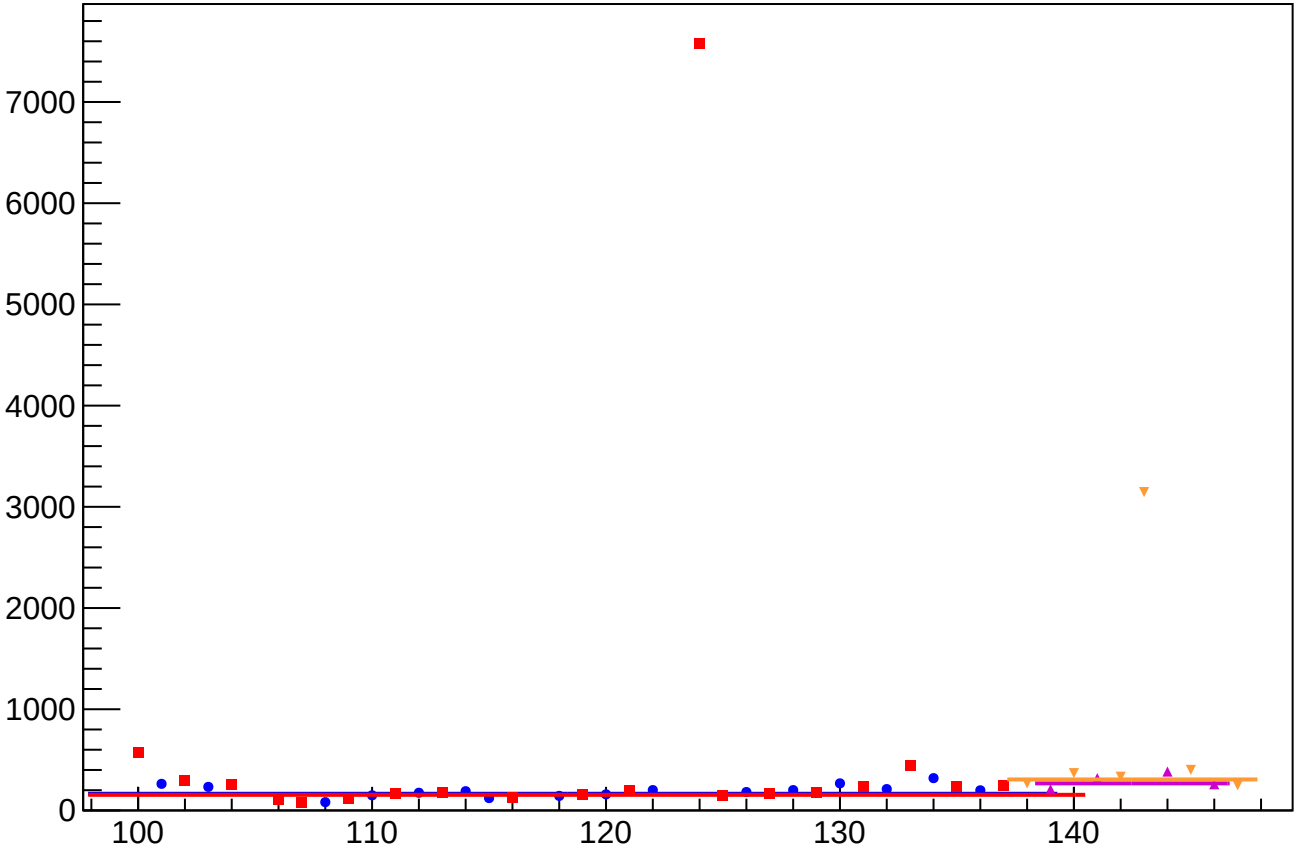
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.061+/-0.061 χ^2/NDF:16.9/19

Out: -0.093+/-0.060 χ^2/NDF:26.3/24

All: -0.017+/-0.043 χ^2/NDF: 46.4/44

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 306.250+/-0.114 χ^2/NDF:1594568.4/5

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.836+/-0.105 χ^2/NDF:330122.1/3

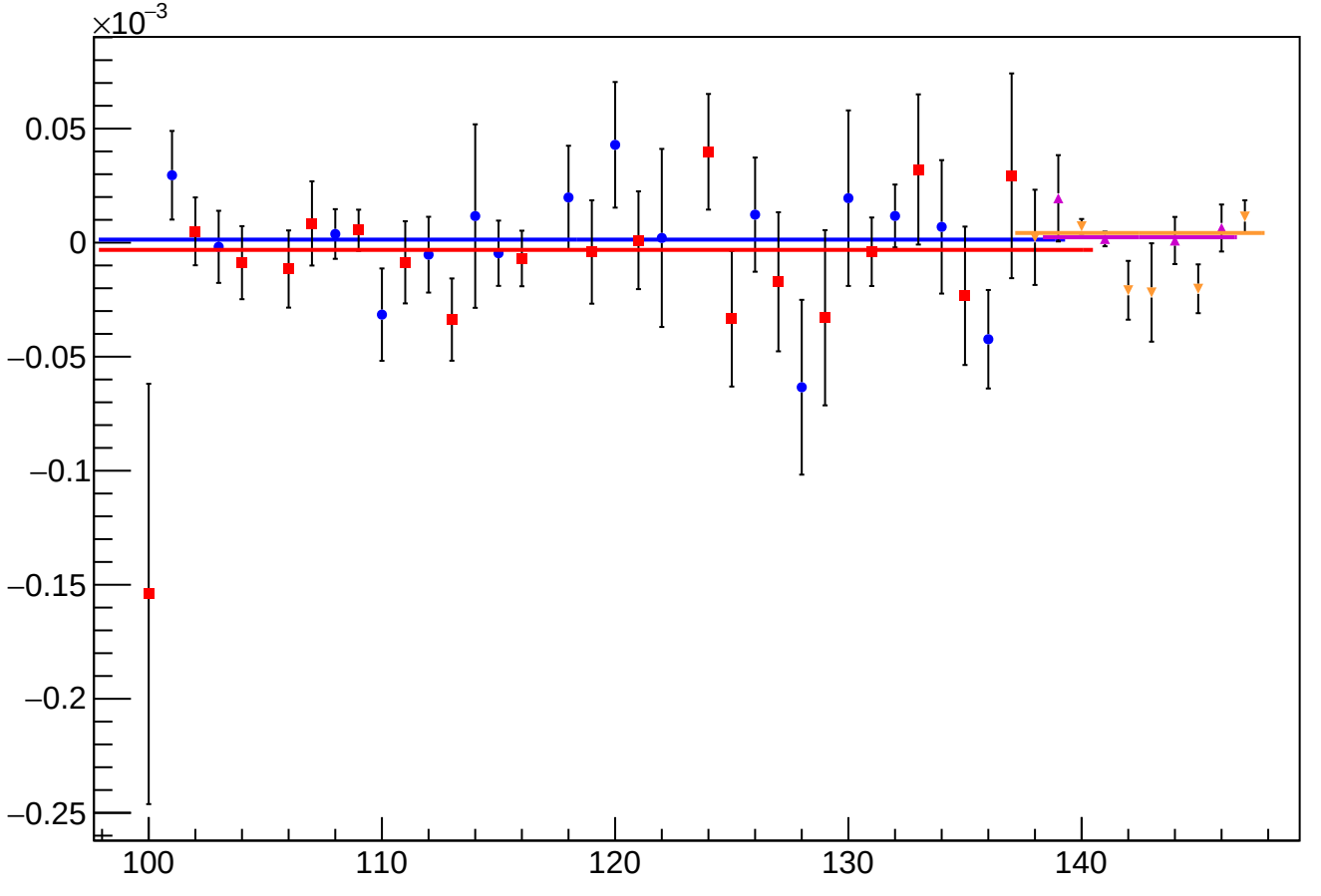
Left: 285.553+/-0.077 χ^2/NDF: 1986285.3/9

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 181.992+/-0.043 χ^2/NDF:2604827.8/19

Out: 175.410+/-0.042 χ^2/NDF:5055266.0/24

All: 178.654+/-0.030 χ^2/NDF: 7672042.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

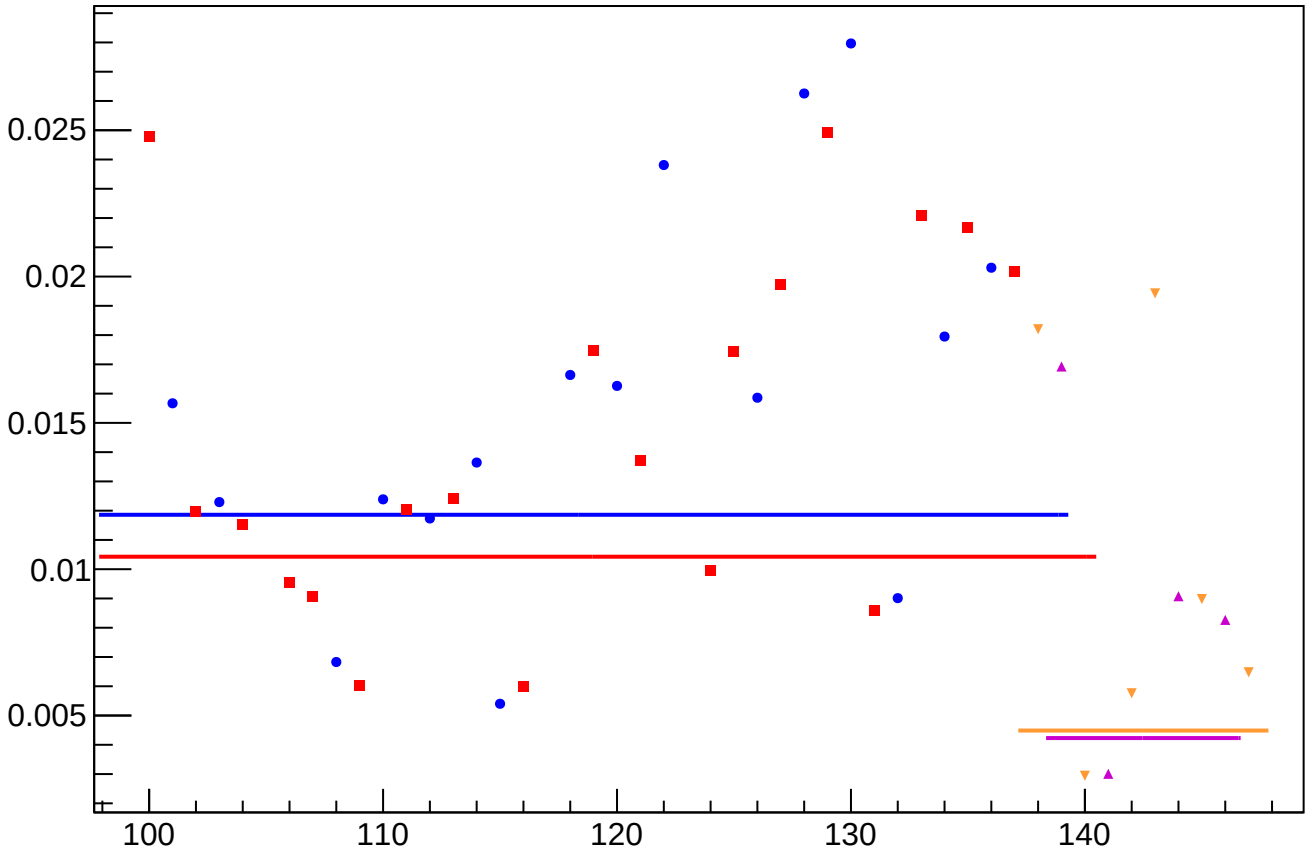
Left: 0.000+/-0.000 χ^2/NDF: 13.6/9

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:17.2/19

Out: 0.000+/-0.000 χ^2/NDF:29.1/24

All: 0.000+/-0.000 χ^2/NDF: 46.3/44



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2813472.0/5

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.004+/-0.000 χ^2/NDF:1938762.9/3

Left: 0.004+/-0.000 χ^2/NDF: 4760618.9/9

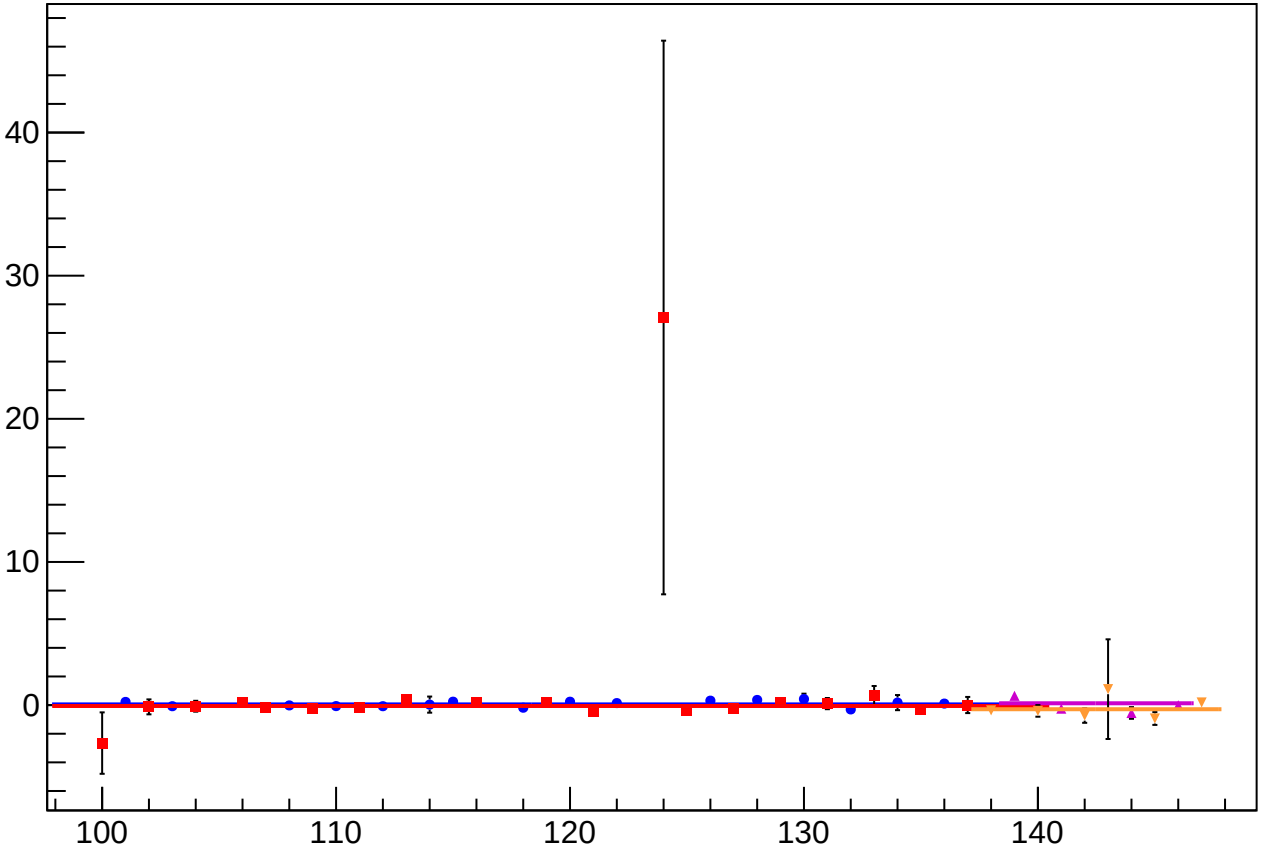
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:7966220.4/19

Out: 0.006+/-0.000 χ^2/NDF:7955174.6/24

All: 0.006+/-0.000 χ^2/NDF: 15921413.7/44

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: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.128+/-0.149 χ^2/NDF:9.0/3

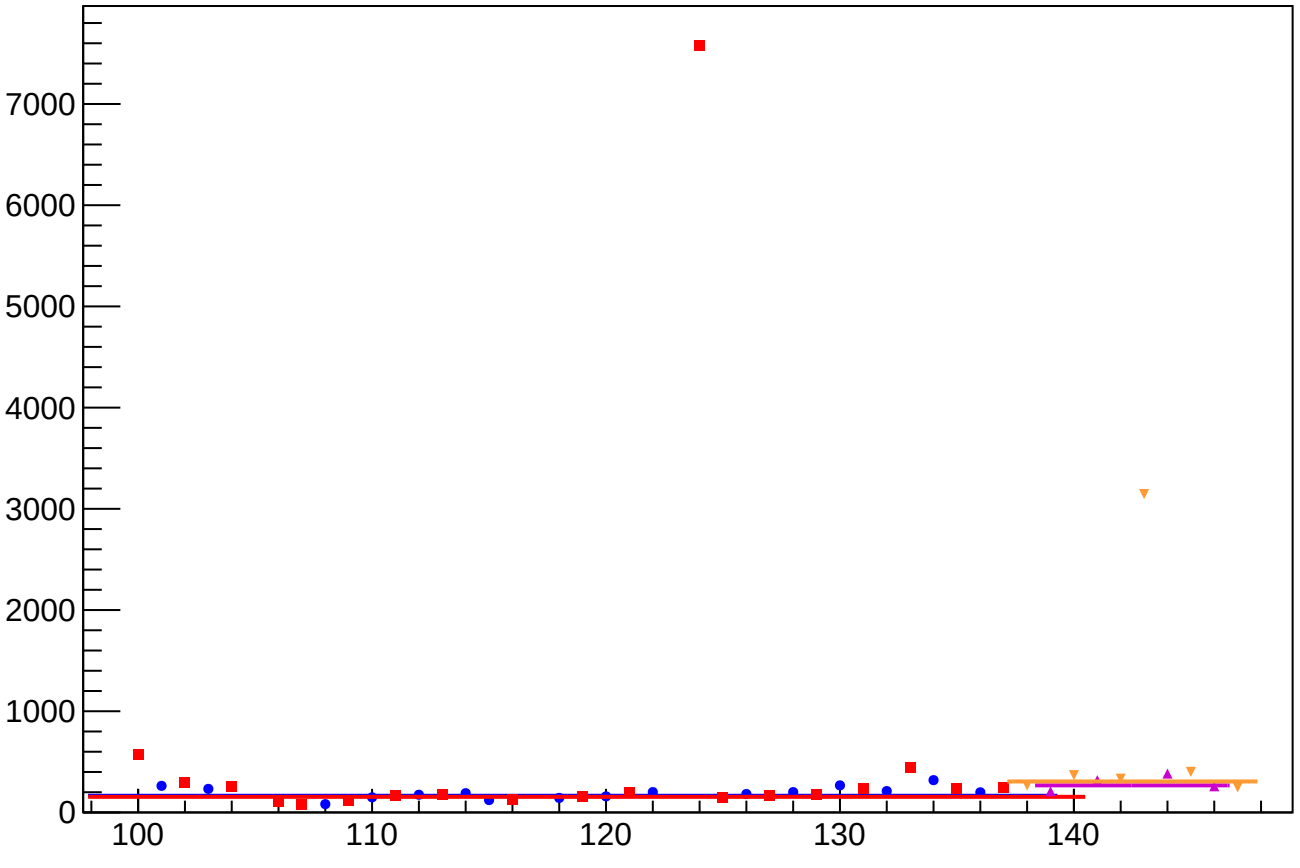
Left: -0.064+/-0.109 χ^2/NDF: 18.8/9

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.061+/-0.061 χ^2/NDF:16.9/19

Out: -0.093+/-0.060 χ^2/NDF:26.3/24

All: -0.017+/-0.043 χ^2/NDF: 46.4/44



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 306.254+/-0.114 χ^2/NDF:1594550.7/5

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.839+/-0.105 χ^2/NDF:330108.3/3

Left: 285.557+/-0.077 χ^2/NDF: 1986255.3/9

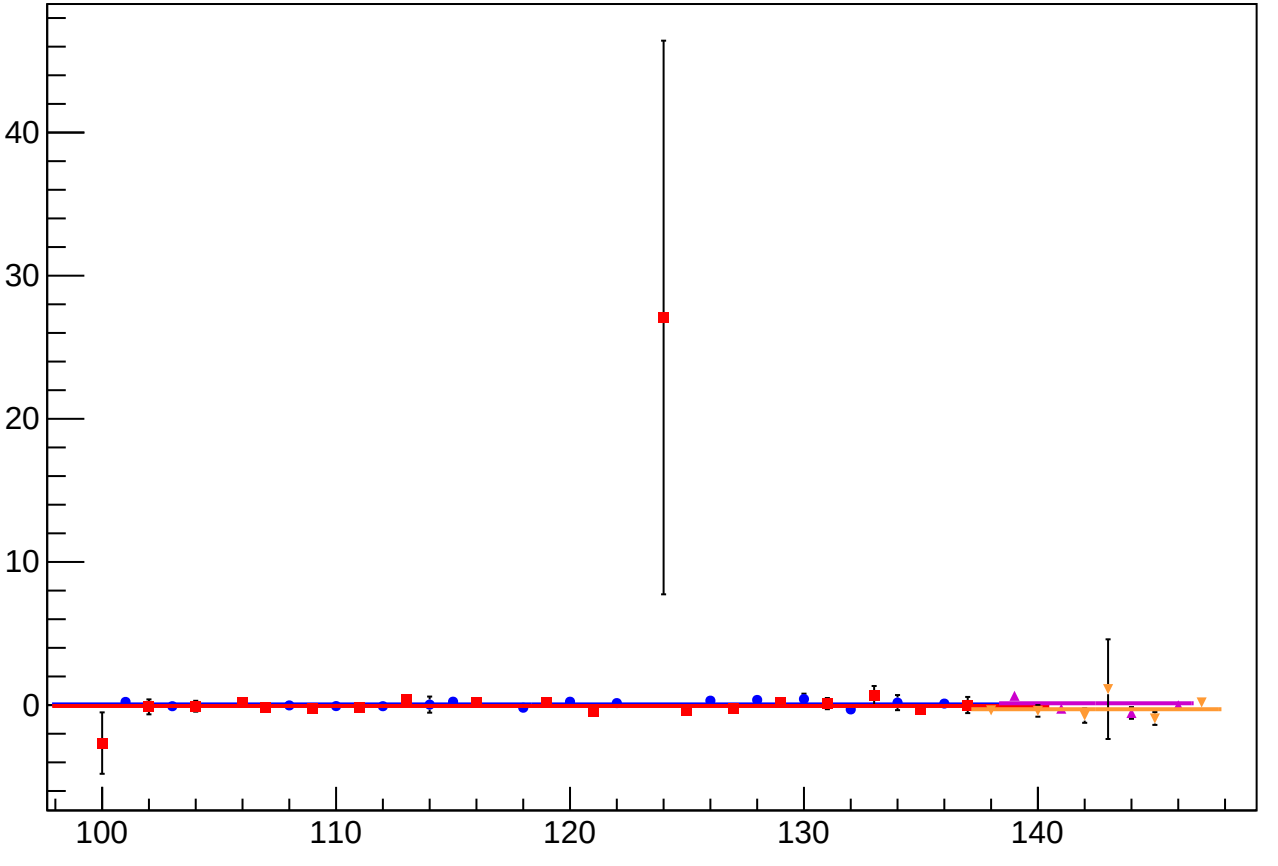
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 181.992+/-0.043 χ^2/NDF:2604827.7/19

Out: 175.410+/-0.042 χ^2/NDF:5055331.1/24

All: 178.654+/-0.030 χ^2/NDF: 7672107.8/44

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: -0.288+/-0.161 χ^2/NDF:6.1/5

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.128+/-0.149 χ^2/NDF:9.0/3

Left: -0.064+/-0.109 χ^2/NDF: 18.8/9

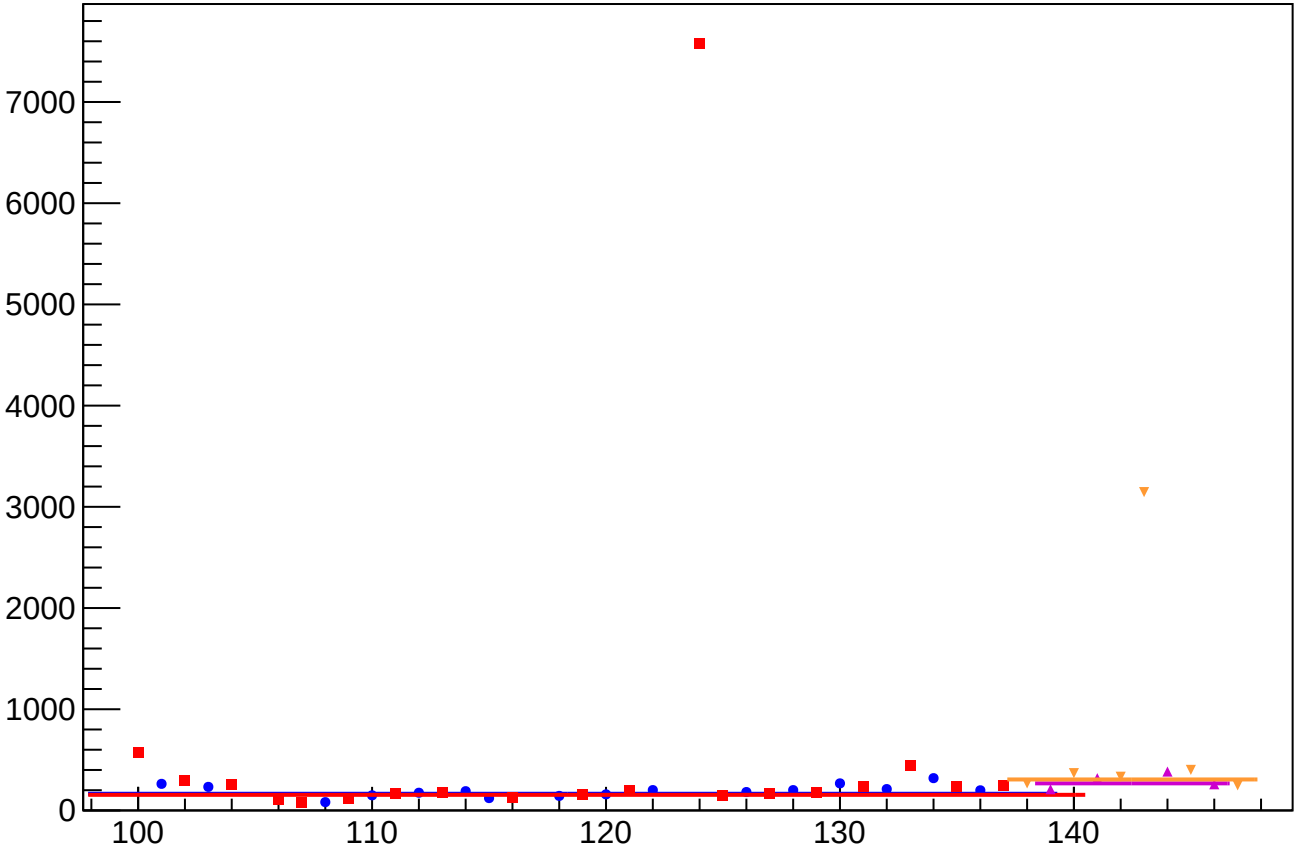
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.061+/-0.061 χ^2/NDF:16.9/19

Out: -0.093+/-0.060 χ^2/NDF:26.3/24

All: -0.017+/-0.043 χ^2/NDF: 46.4/44

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: 306.254+/-0.114 χ^2/NDF:1594550.7/5

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.839+/-0.105 χ^2/NDF:330108.3/3

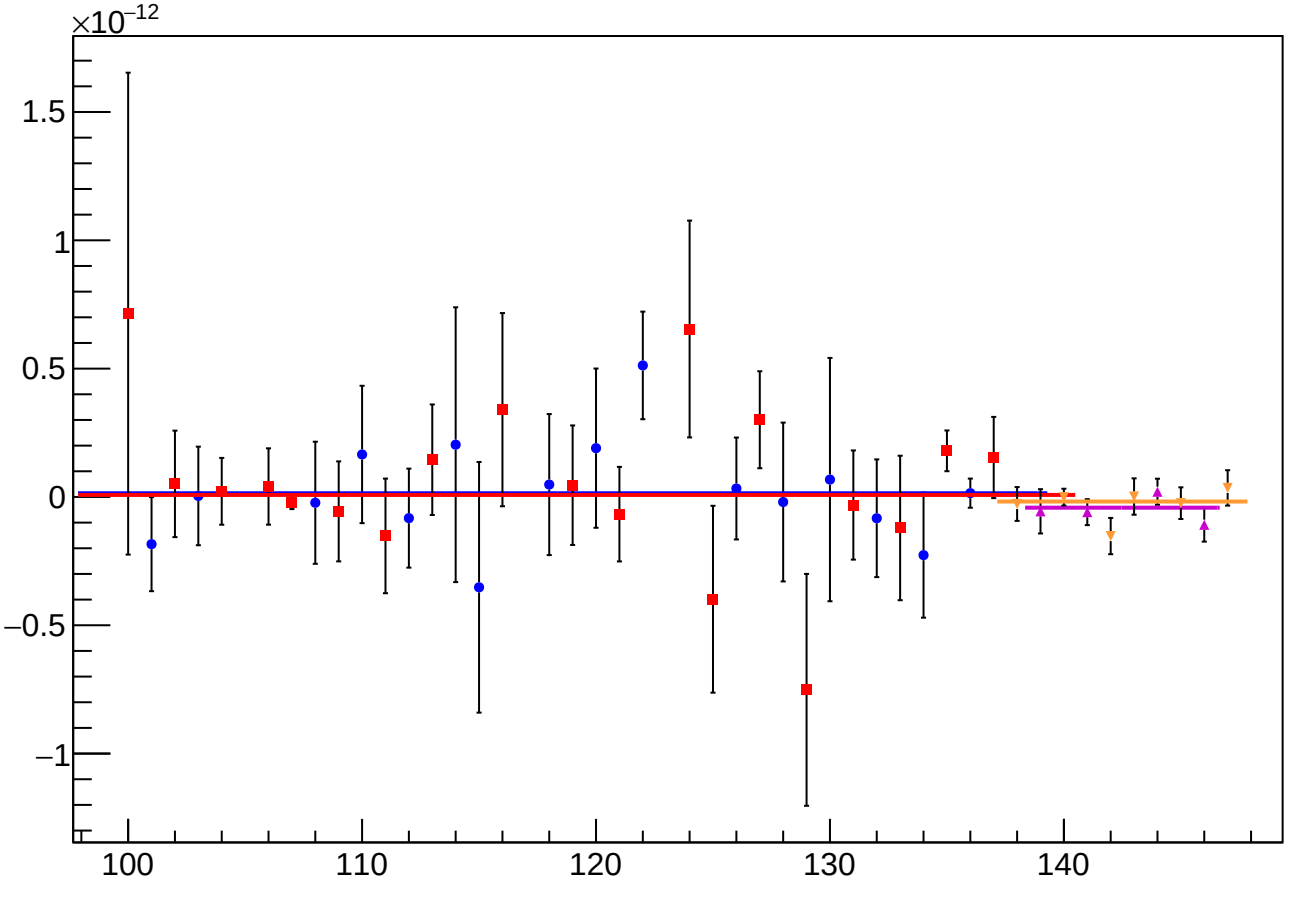
Left: 285.557+/-0.077 χ^2/NDF: 1986255.3/9

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 181.992+/-0.043 χ^2/NDF:2604827.7/19

Out: 175.410+/-0.042 χ^2/NDF:5055331.1/24

All: 178.654+/-0.030 χ^2/NDF: 7672107.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/3

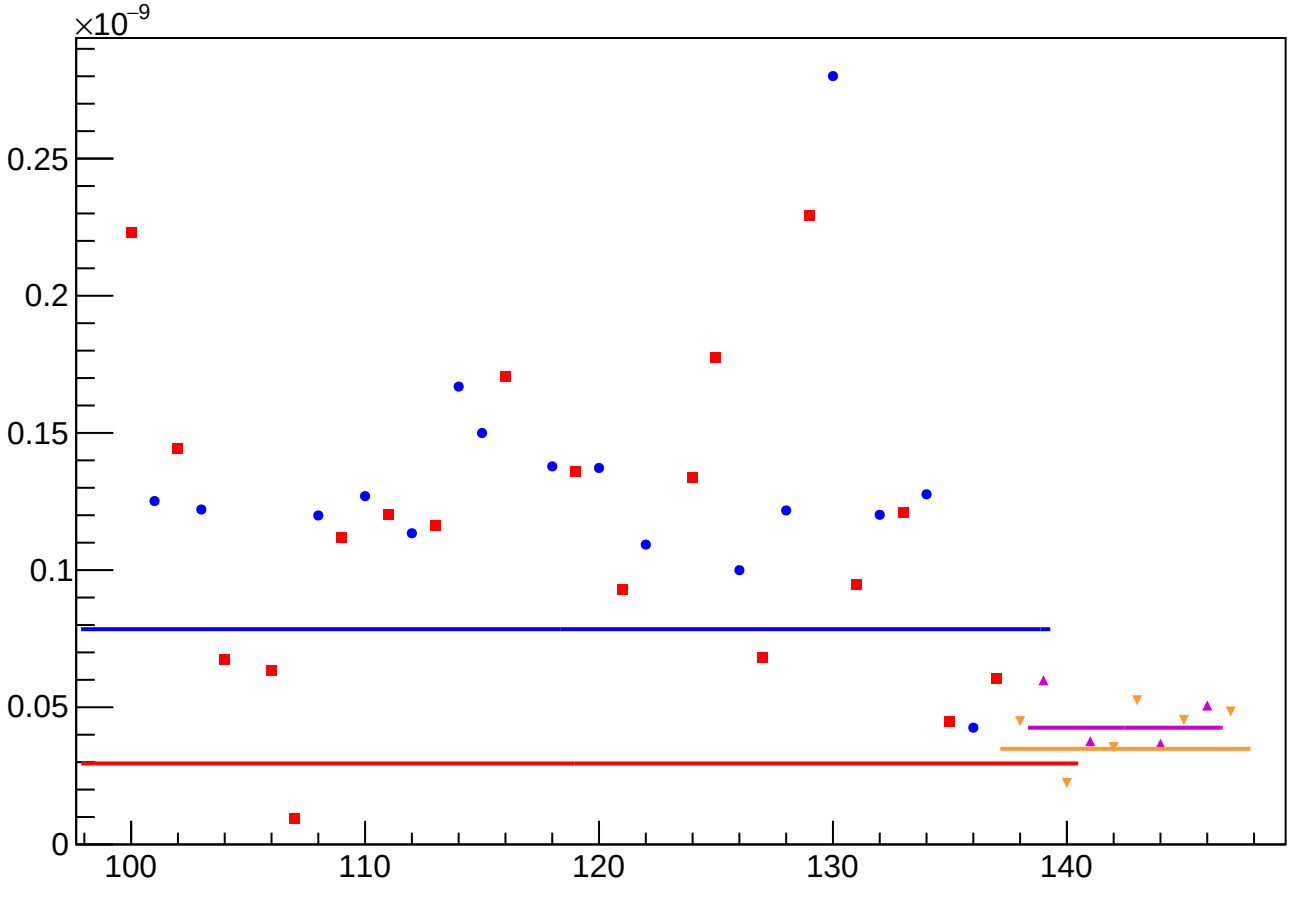
Left: -0.000+/-0.000 χ^2/NDF: 7.7/9

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:13.5/19

Out: -0.000+/-0.000 χ^2/NDF:23.6/24

All: -0.000+/-0.000 χ^2/NDF: 37.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:597144.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:156184.6/3

Left: 0.000+/-0.000 χ^2/NDF: 840180.1/9

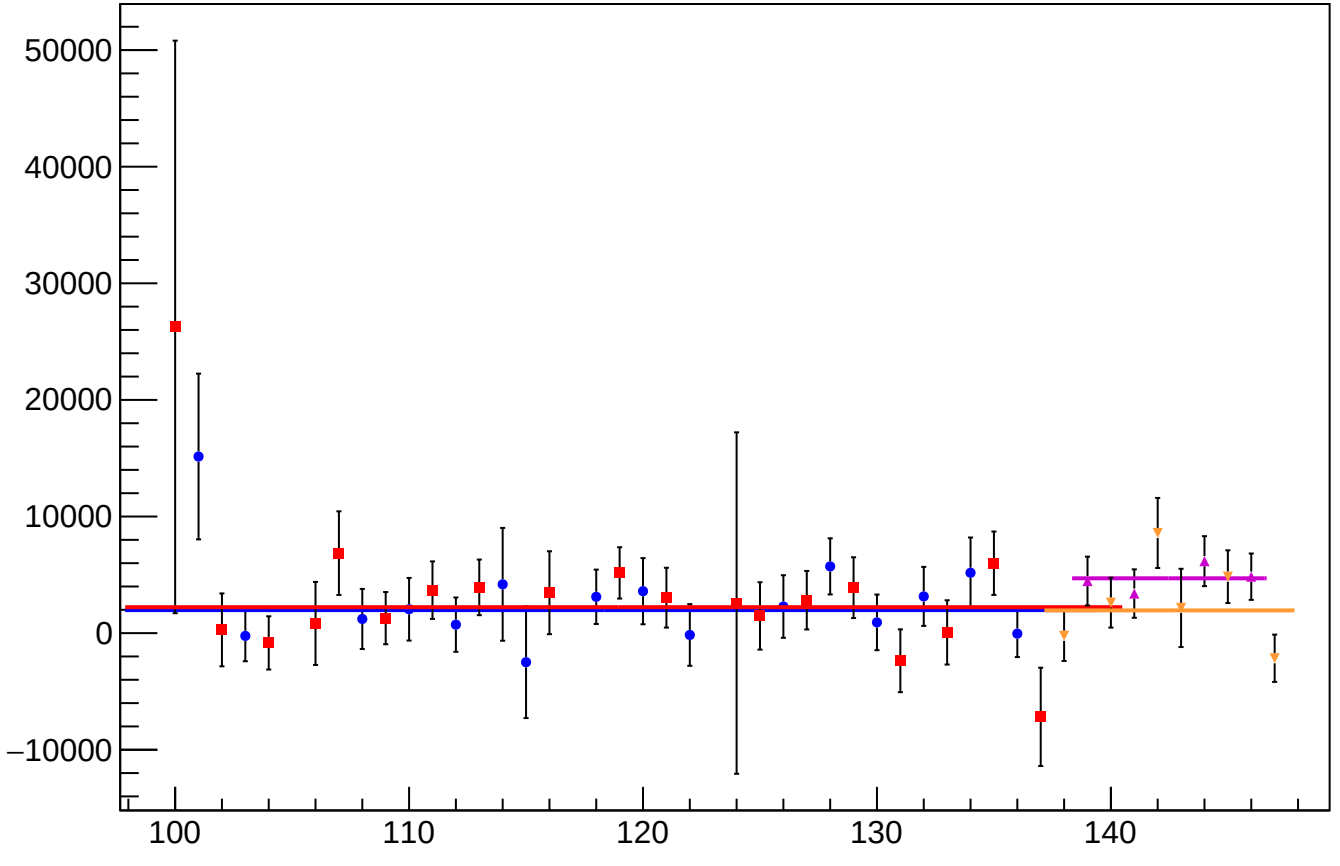
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3224212.9/19

Out: 0.000+/-0.000 χ^2/NDF:6140335.1/24

All: 0.000+/-0.000 χ^2/NDF: 10515987.3/44

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1950.350+/-965.946 χ^2/NDF:11.7/5

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 4701.293+/-1036.237 χ^2/NDF:0.9/3

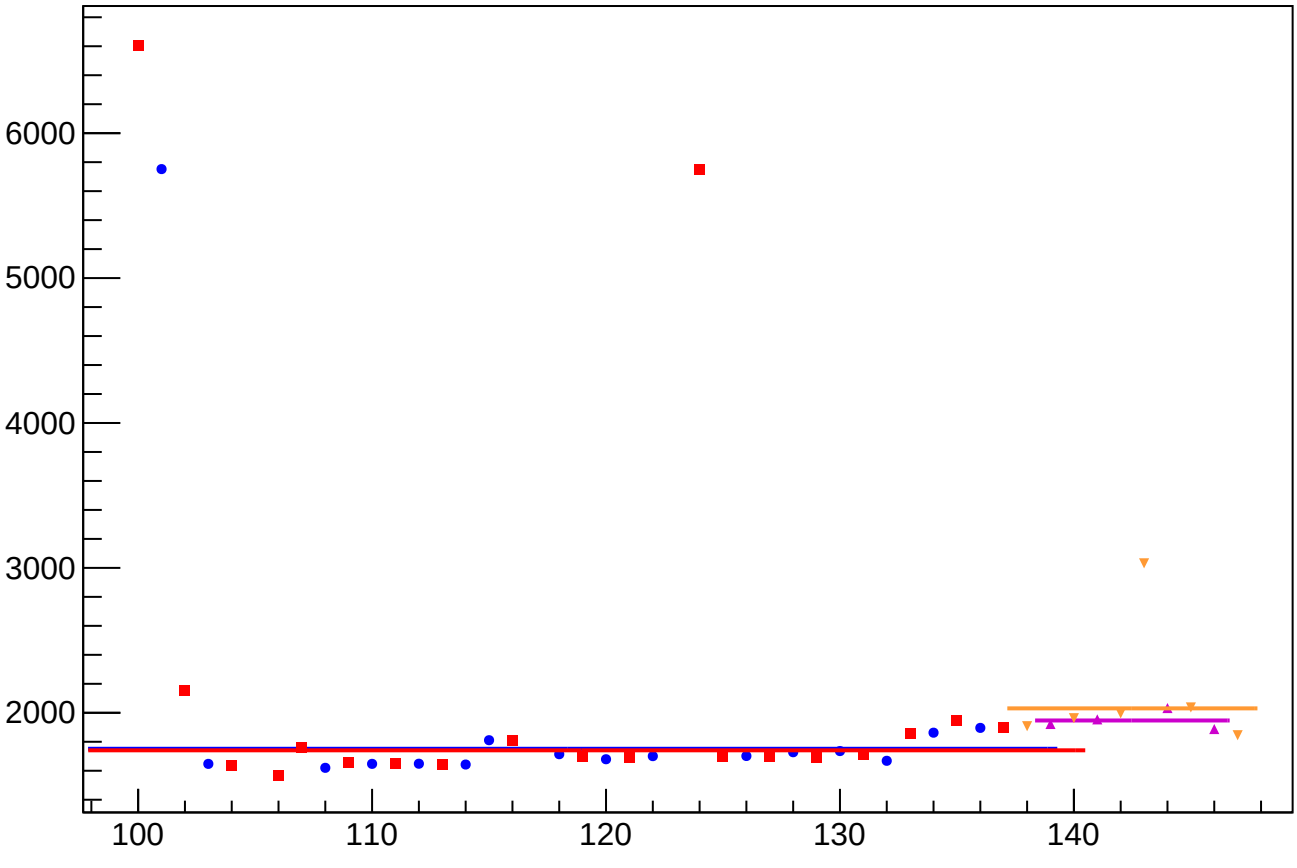
Left: 3229.362+/-706.571 χ^2/NDF: 16.4/9

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2775.774+/-561.279 χ^2/NDF:17.9/19

Out: 2139.059+/-542.846 χ^2/NDF:30.8/24

All: 2446.790+/-390.204 χ^2/NDF: 49.3/44



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 2030.482+/-0.683 χ^2/NDF:203483.3/5

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

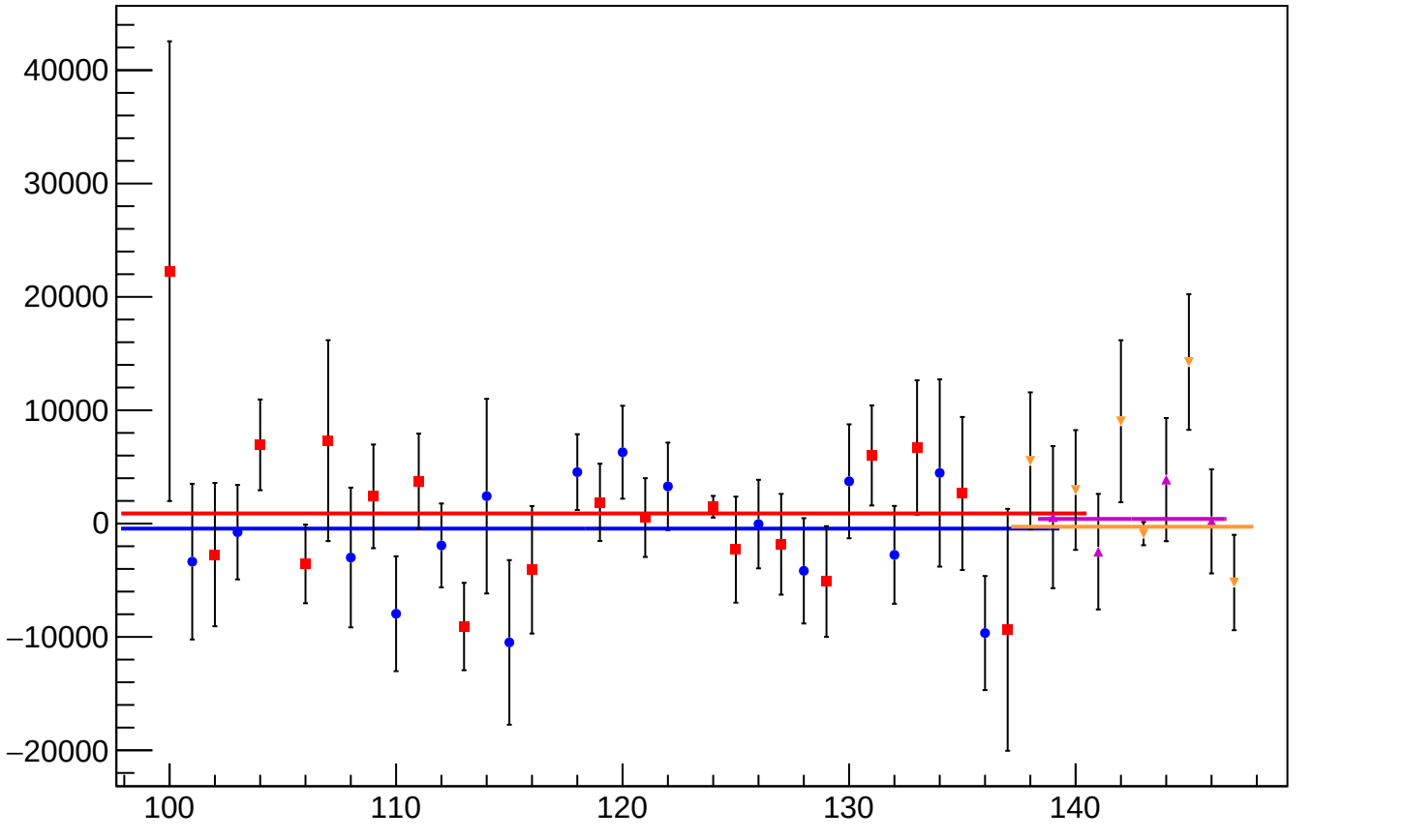
Left: 1991.642+/-0.500 χ^2/NDF: 215705.6/9

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1808.916+/-0.397 χ^2/NDF:726137.3/19

Out: 1831.541+/-0.382 χ^2/NDF:631560.2/24

All: 1820.663+/-0.275 χ^2/NDF: 1359384.8/44



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -277.111+/-943.281 χ^2/NDF:10.6/5

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 411.311+/-2623.727 χ^2/NDF:0.7/3

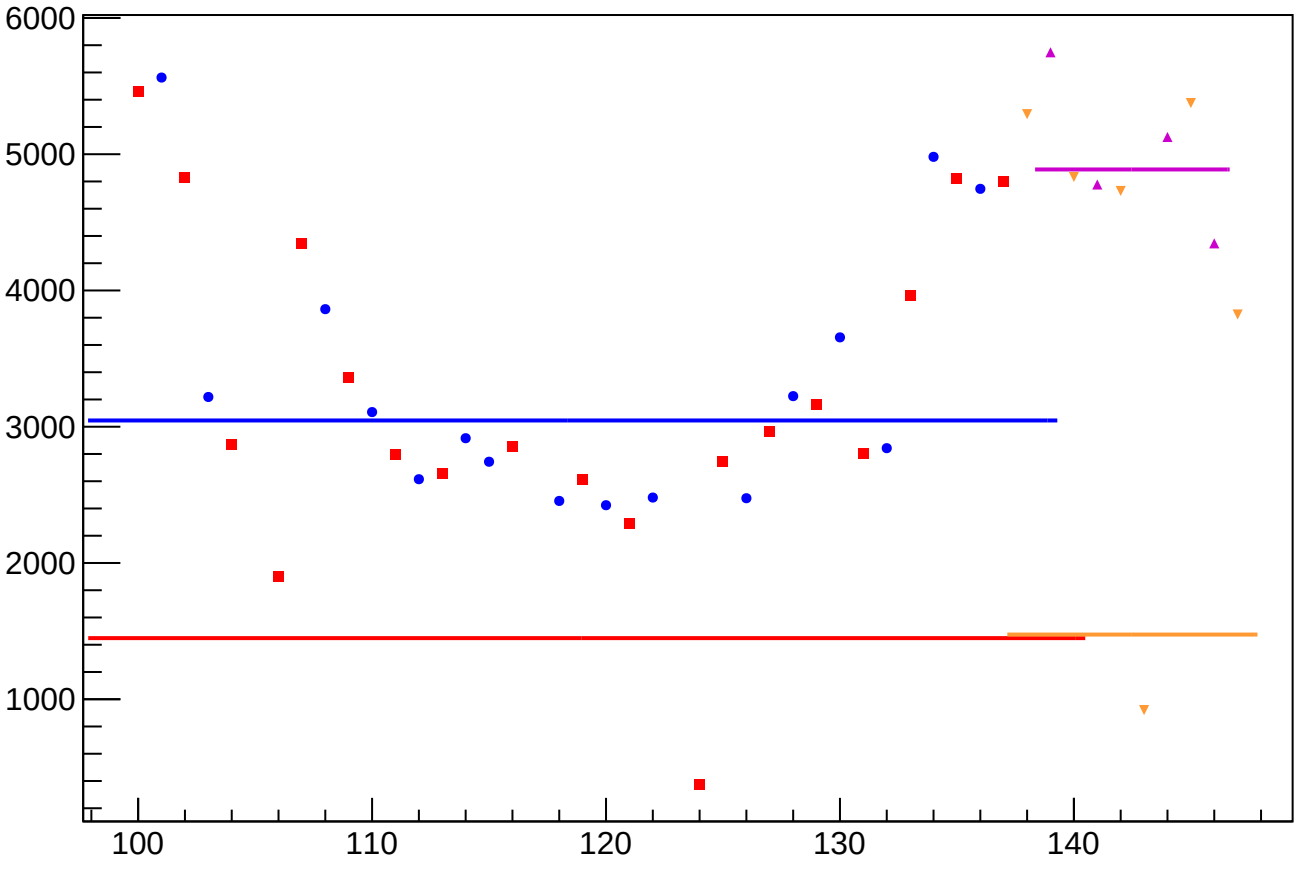
Left: -198.314+/-887.657 χ^2/NDF: 11.4/9

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -301.457+/-1071.955 χ^2/NDF:16.8/19

Out: 457.433+/-575.196 χ^2/NDF:31.7/24

All: 287.778+/-506.840 χ^2/NDF: 48.8/44



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1474.657+/-0.667 χ^2/NDF:4083112.9/5

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4888.101+/-1.855 χ^2/NDF:70363.6/3

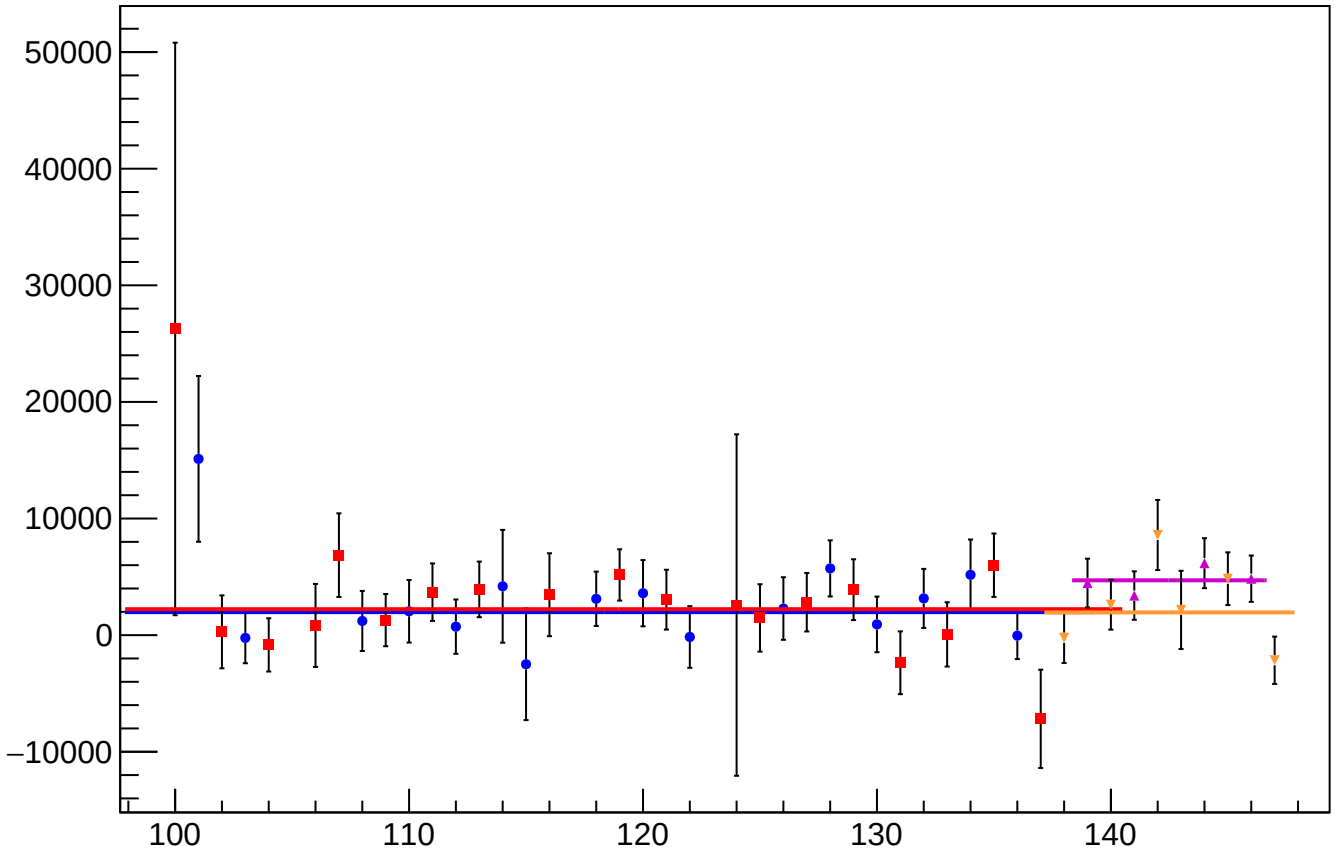
Left: 1865.360+/-0.628 χ^2/NDF: 7151165.5/9

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3353.420+/-0.758 χ^2/NDF:1799129.0/19

Out: 1458.238+/-0.407 χ^2/NDF:10871003.4/24

All: 1881.920+/-0.358 χ^2/NDF: 17524001.7/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1950.510+/-965.946 χ^2/NDF:11.7/5

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 4701.481+/-1036.237 χ^2/NDF:0.9/3

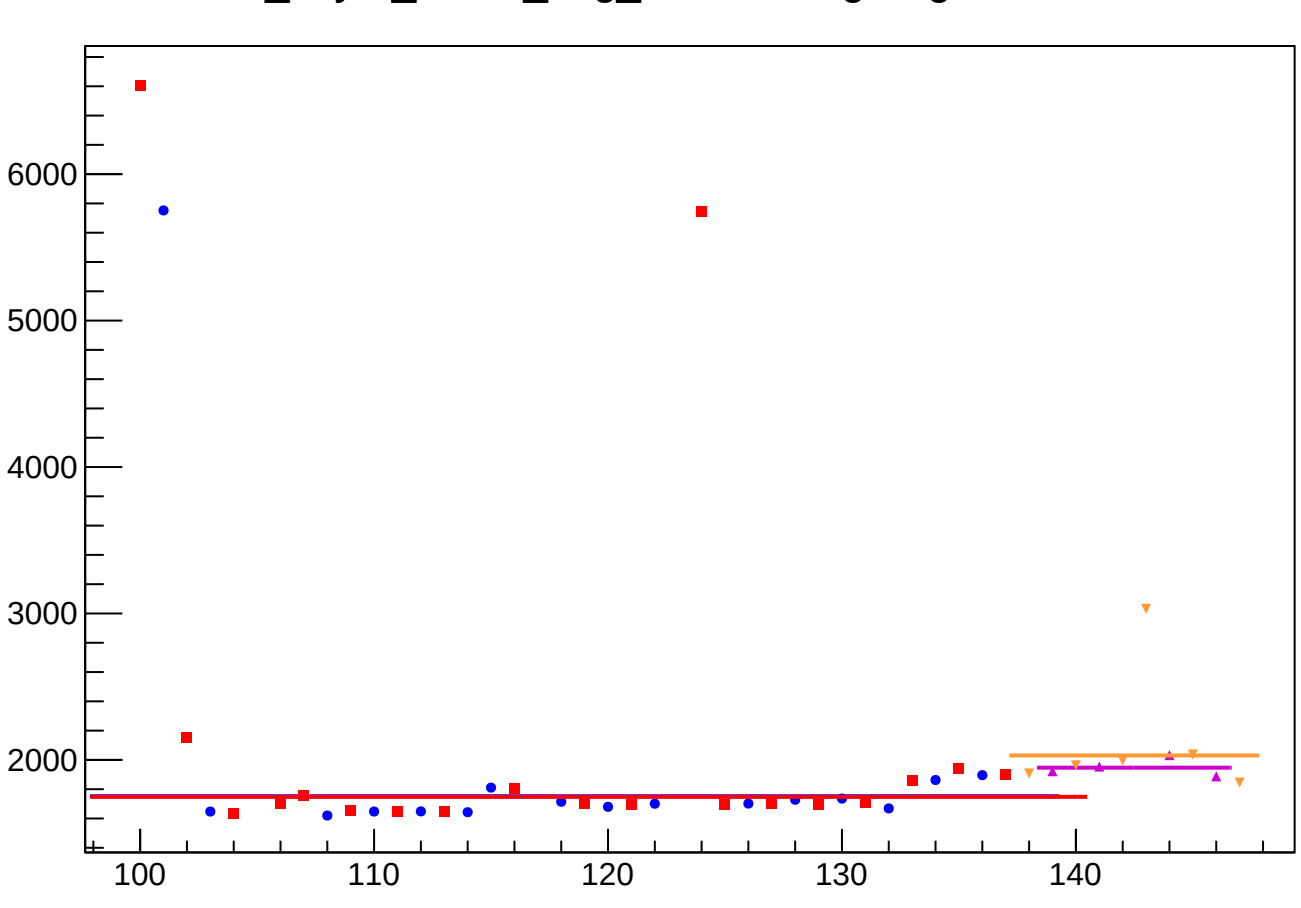
Left: 3229.535+/-706.571 χ^2/NDF: 16.4/9

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2775.580+/-561.279 χ^2/NDF:17.9/19

Out: 2139.176+/-542.846 χ^2/NDF:30.8/24

All: 2446.756+/-390.204 χ^2/NDF: 49.3/44



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2030.482+/-0.683 χ^2/NDF:203483.3/5

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

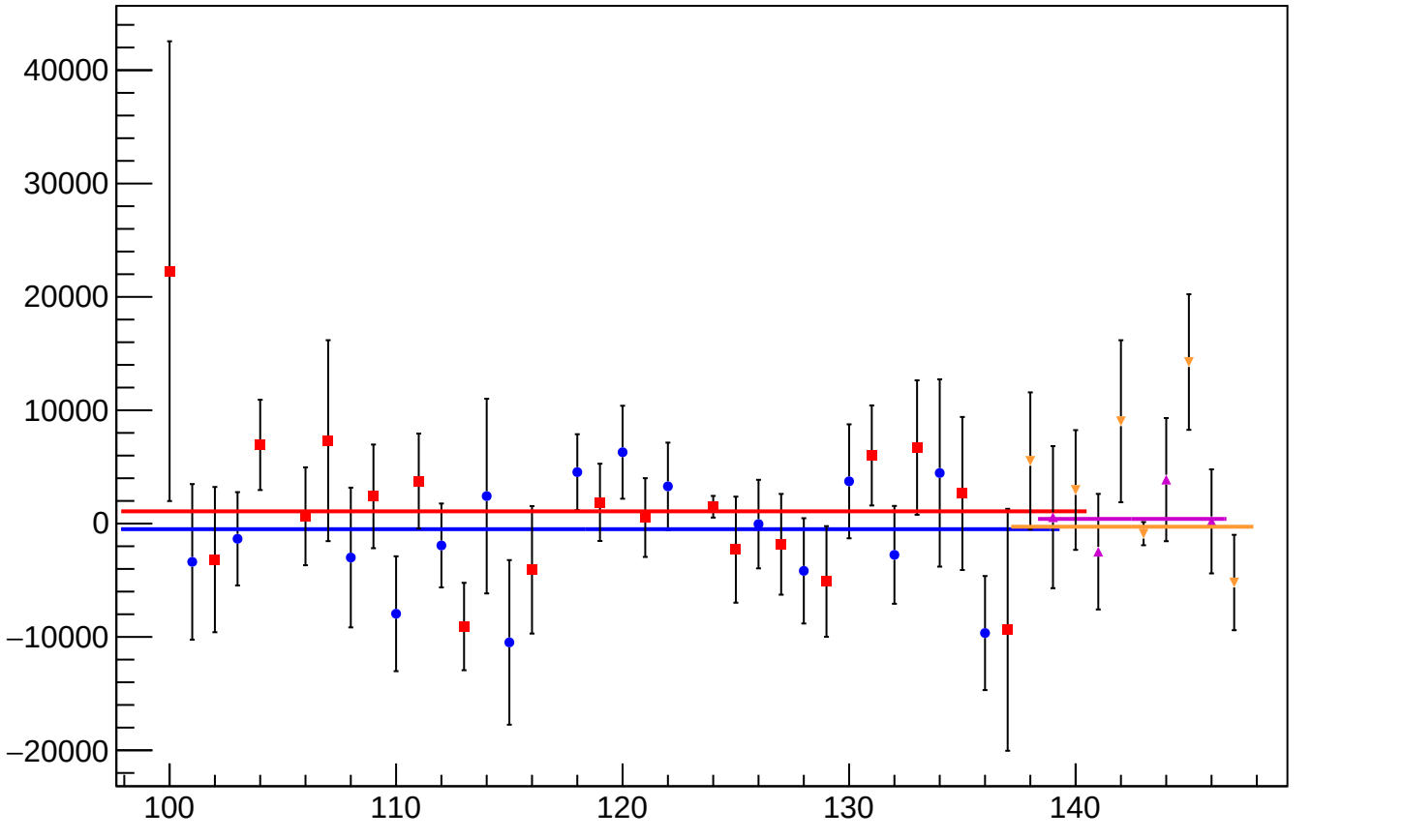
Left: 1991.642+/-0.500 χ^2/NDF: 215705.6/9

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1808.916+/-0.397 χ^2/NDF:726137.7/19

Out: 1836.611+/-0.383 χ^2/NDF:618878.6/24

All: 1823.261+/-0.276 χ^2/NDF: 1347538.6/44



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -276.884+/-943.249 χ^2/NDF:10.6/5

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 411.287+/-2623.728 χ^2/NDF:0.7/3

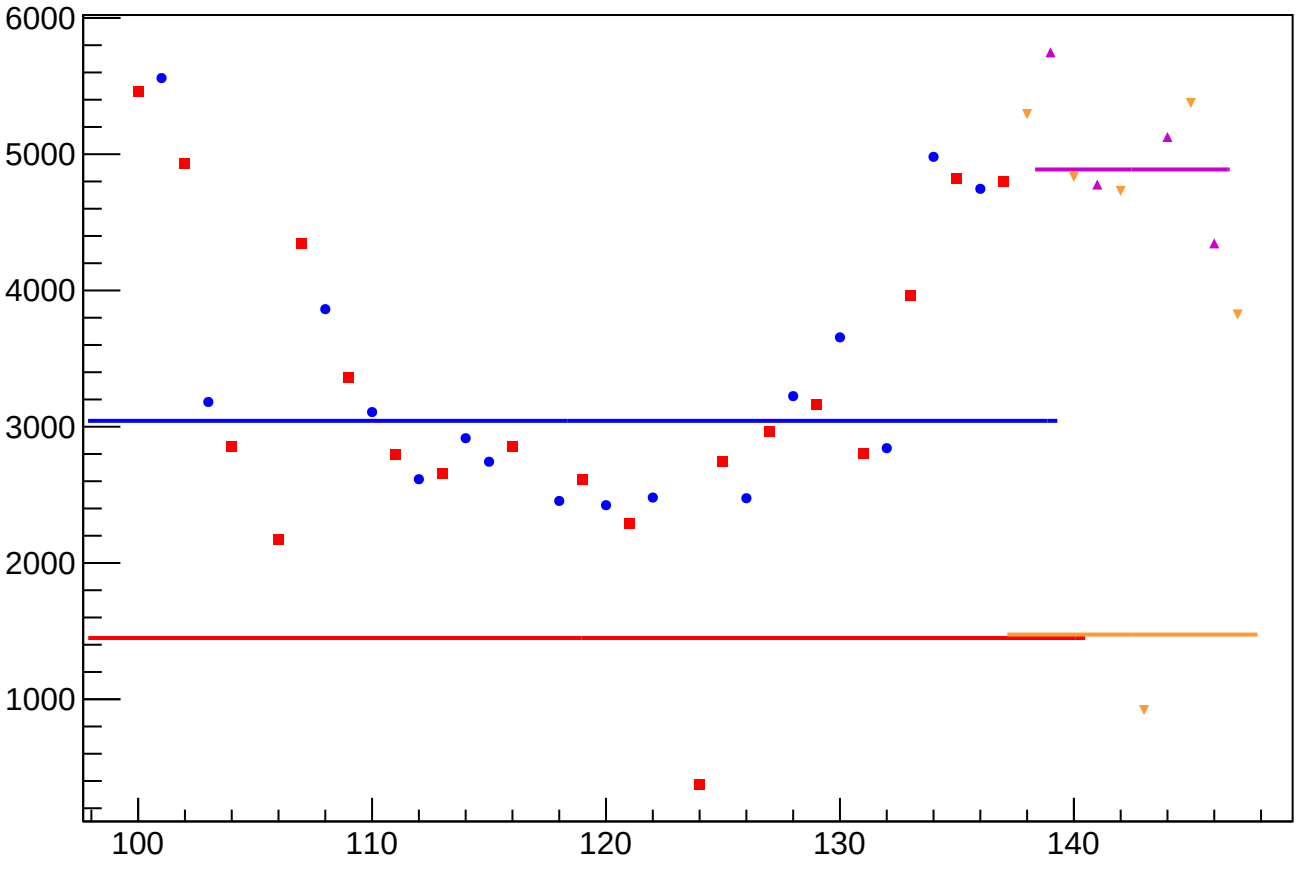
Left: -198.121+/-887.630 χ^2/NDF: 11.4/9

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -342.243+/-1071.035 χ^2/NDF:16.8/19

Out: 571.031+/-578.025 χ^2/NDF:30.4/24

All: 365.029+/-508.674 χ^2/NDF: 47.7/44



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1474.586+/-0.667 χ^2/NDF:4083241.0/5

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4888.102+/-1.855 χ^2/NDF:70364.6/3

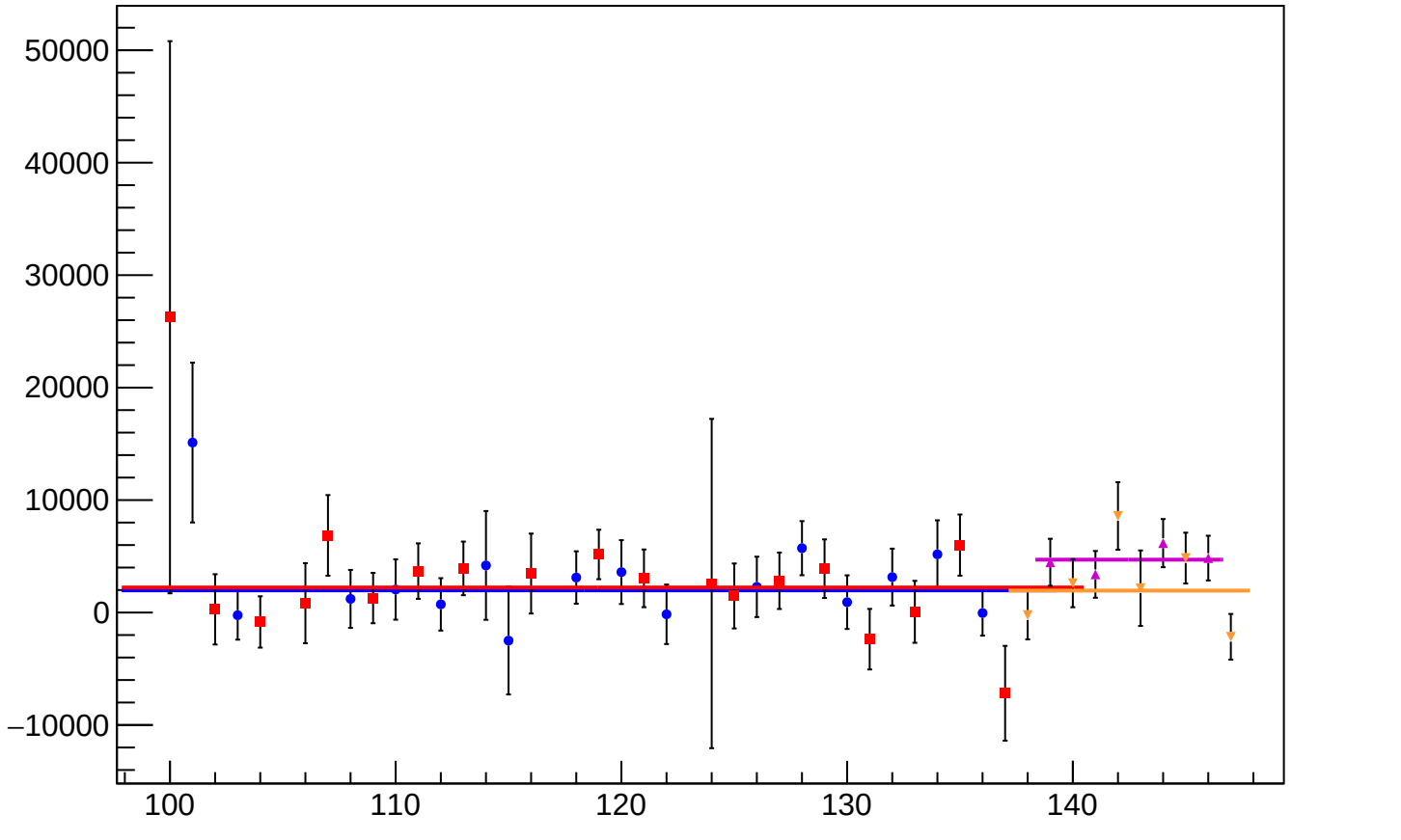
Left: 1865.273+/-0.628 χ^2/NDF: 7151442.5/9

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3350.686+/-0.757 χ^2/NDF:1800049.8/19

Out: 1458.930+/-0.409 χ^2/NDF:10909839.7/24

All: 1885.643+/-0.360 χ^2/NDF: 17542011.9/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1950.510+/-965.946 χ^2/NDF:11.7/5

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 4701.481+/-1036.237 χ^2/NDF:0.9/3

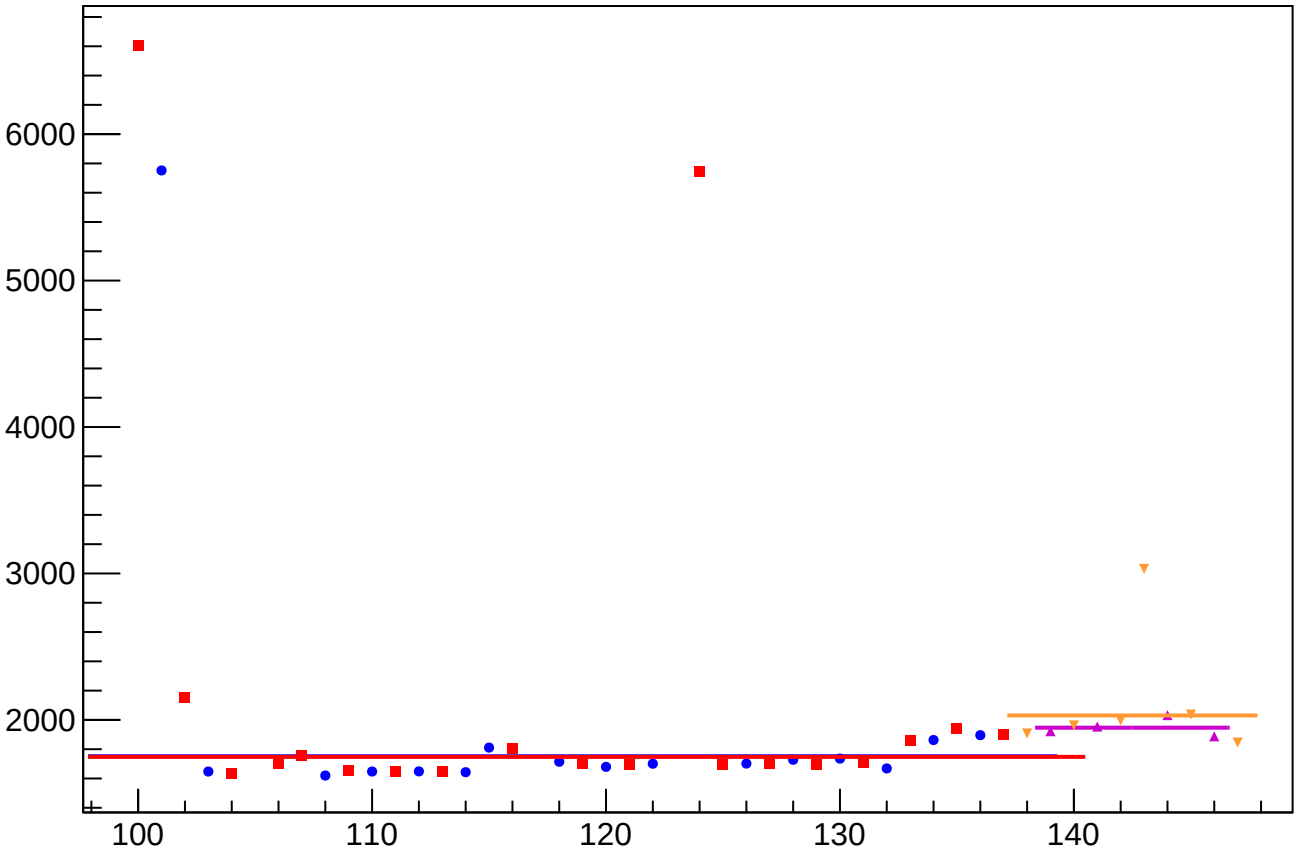
Left: 3229.535+/-706.571 χ^2/NDF: 16.4/9

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2775.580+/-561.279 χ^2/NDF:17.9/19

Out: 2139.176+/-542.846 χ^2/NDF:30.8/24

All: 2446.756+/-390.204 χ^2/NDF: 49.3/44



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 2030.482+/-0.683 χ^2/NDF:203483.3/5

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1946.944+/-0.733 χ^2/NDF:5267.4/3

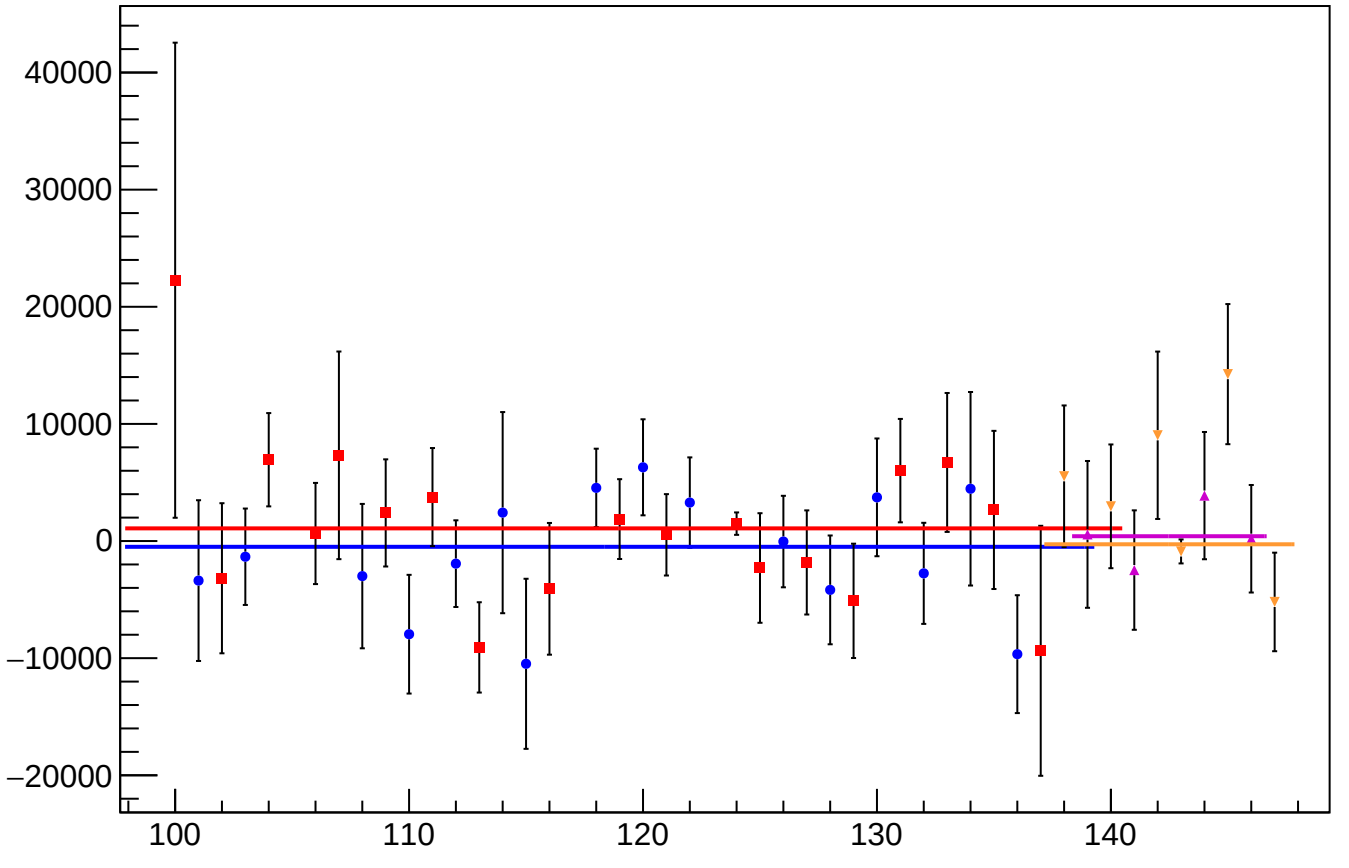
Left: 1991.642+/-0.500 χ^2/NDF: 215705.6/9

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1808.916+/-0.397 χ^2/NDF:726137.7/19

Out: 1836.611+/-0.383 χ^2/NDF:618878.6/24

All: 1823.261+/-0.276 χ^2/NDF: 1347538.6/44



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -276.884+/-943.249 χ^2/NDF:10.6/5

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 411.287+/-2623.728 χ^2/NDF:0.7/3

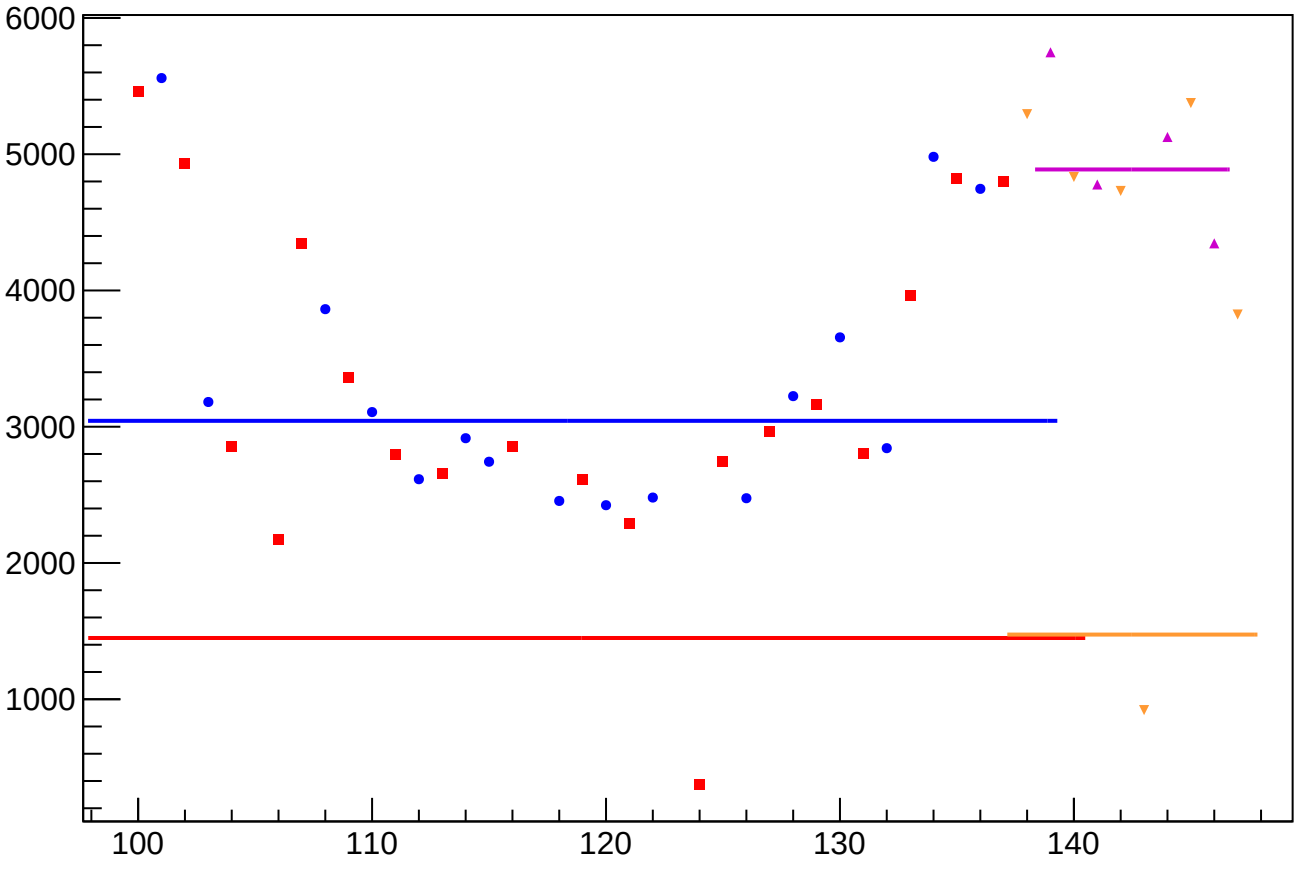
Left: -198.121+/-887.630 χ^2/NDF: 11.4/9

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -342.243+/-1071.035 χ^2/NDF:16.8/19

Out: 571.031+/-578.025 χ^2/NDF:30.4/24

All: 365.029+/-508.674 χ^2/NDF: 47.7/44



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1474.586+/-0.667 χ^2/NDF:4083241.0/5

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4888.102+/-1.855 χ^2/NDF:70364.6/3

Left: 1865.273+/-0.628 χ^2/NDF: 7151442.5/9

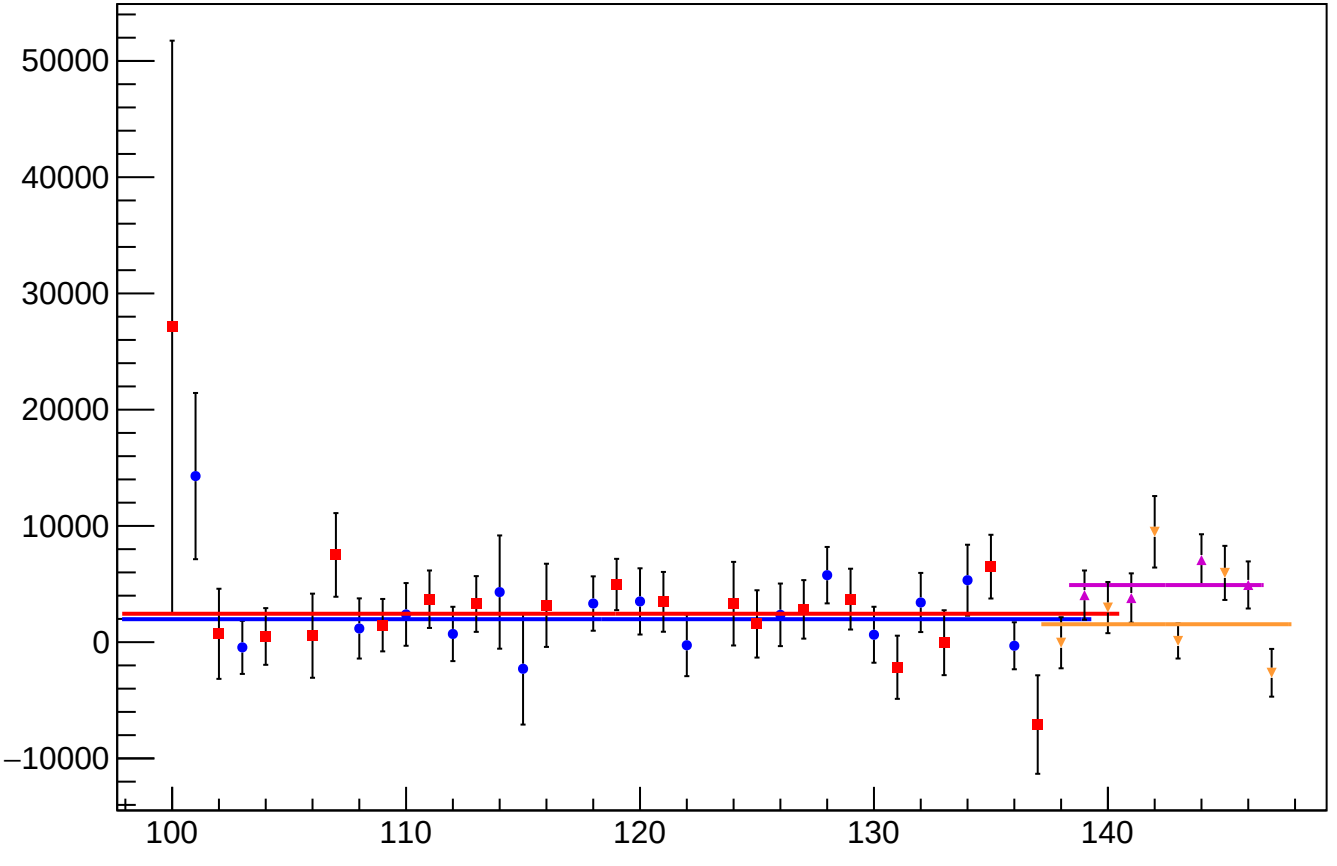
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3350.686+/-0.757 χ^2/NDF:1800049.8/19

Out: 1458.930+/-0.409 χ^2/NDF:10909839.7/24

All: 1885.643+/-0.360 χ^2/NDF: 17542011.9/4

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1542.663+/-851.380 χ^2/NDF:16.3/5

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 4912.040+/-1058.784 χ^2/NDF:1.4/3

Left: 2865.769+/-663.483 χ^2/NDF: 23.8/9

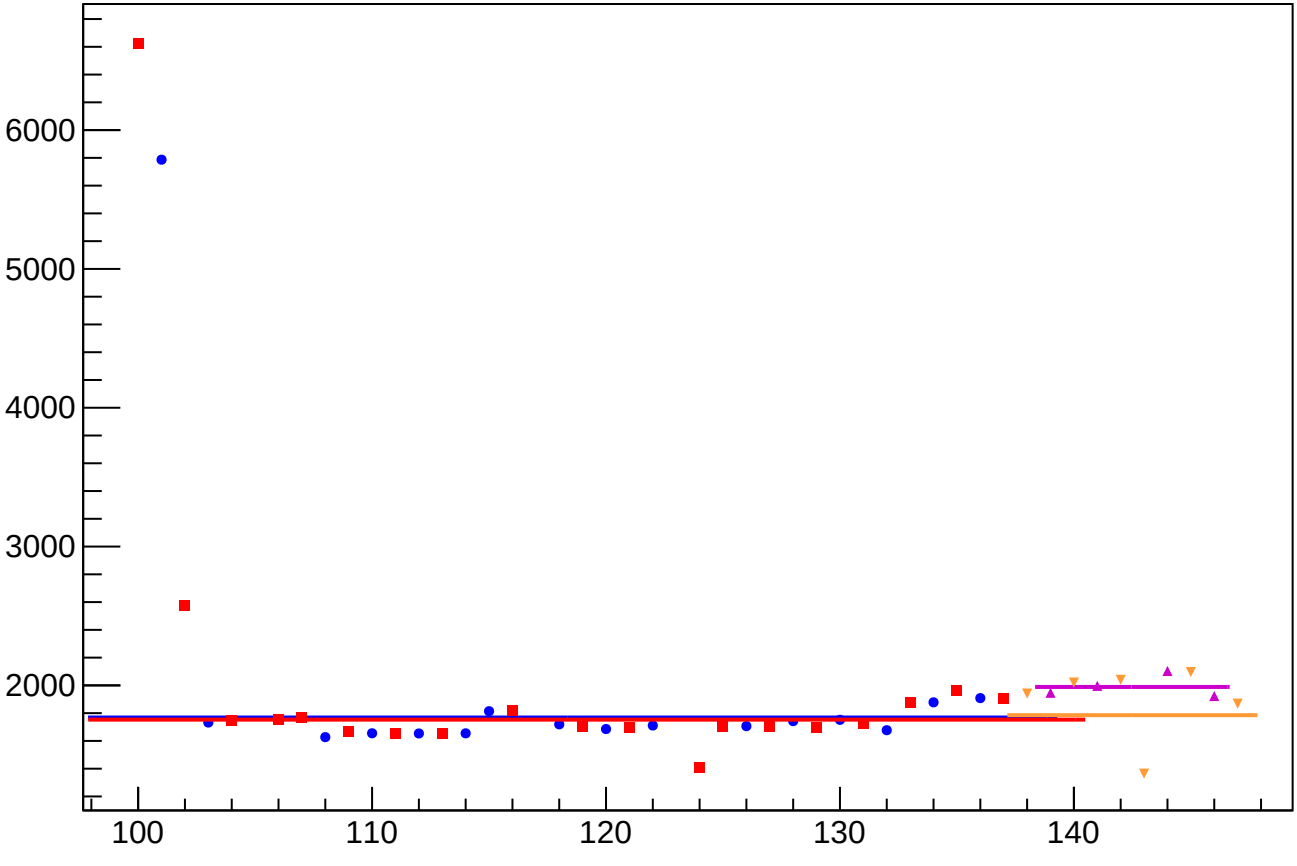
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2822.694+/-568.624 χ^2/NDF:19.3/19

Out: 2107.273+/-520.474 χ^2/NDF:34.5/24

All: 2433.415+/-383.927 χ^2/NDF: 54.6/44

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1785.432+/-0.602 χ^2/NDF:241114.8/5

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1988.717+/-0.749 χ^2/NDF:8276.1/3

Left: 1865.259+/-0.469 χ^2/NDF: 294166.2/9

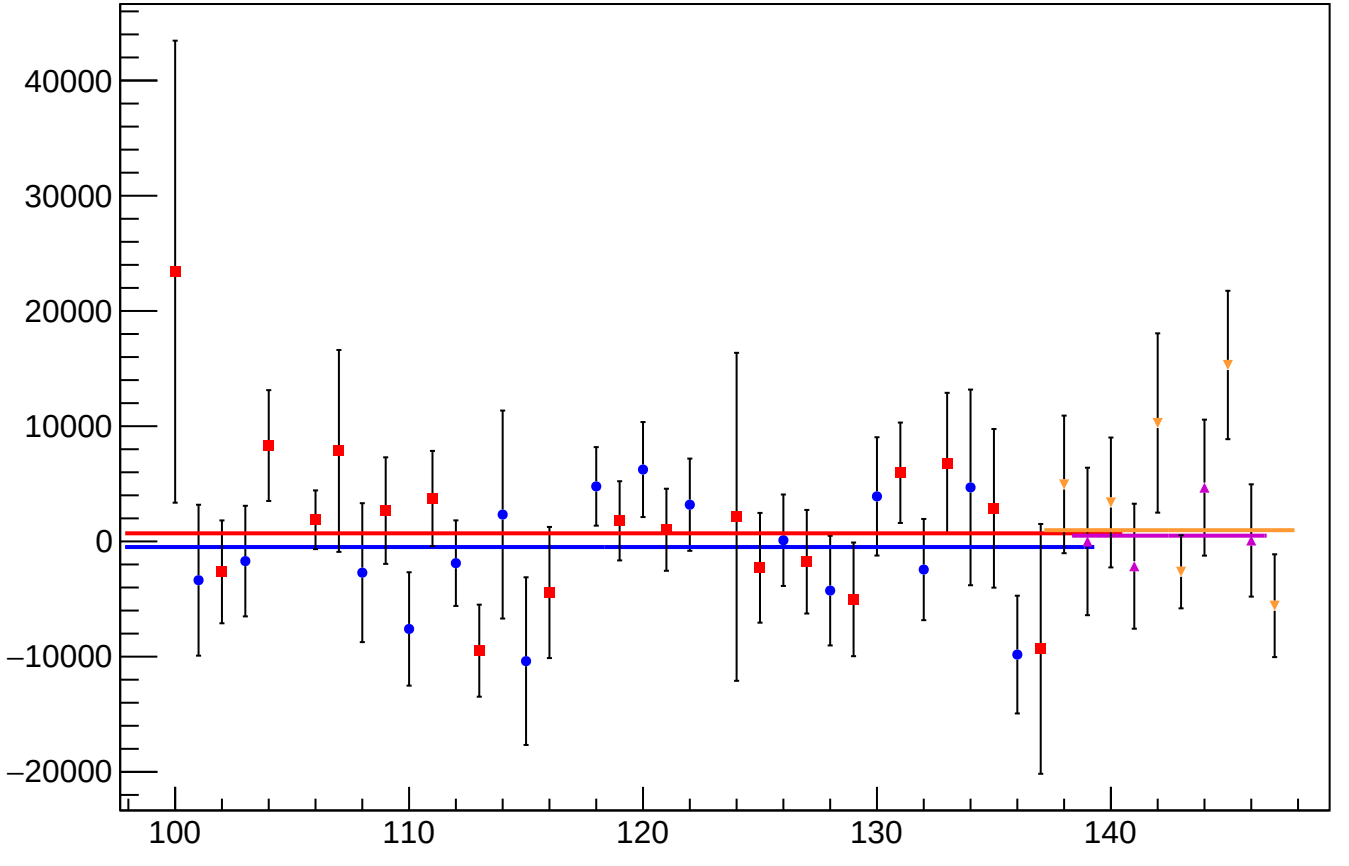
Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1832.002+/-0.402 χ^2/NDF:737220.0/19

Out: 1765.321+/-0.367 χ^2/NDF:461757.7/24

All: 1795.664+/-0.271 χ^2/NDF: 1213966.0/44

asym_atr1l2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 974.773+/-2001.969 χ^2/NDF:10.5/5

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 497.706+/-2781.829 χ^2/NDF:0.8/3

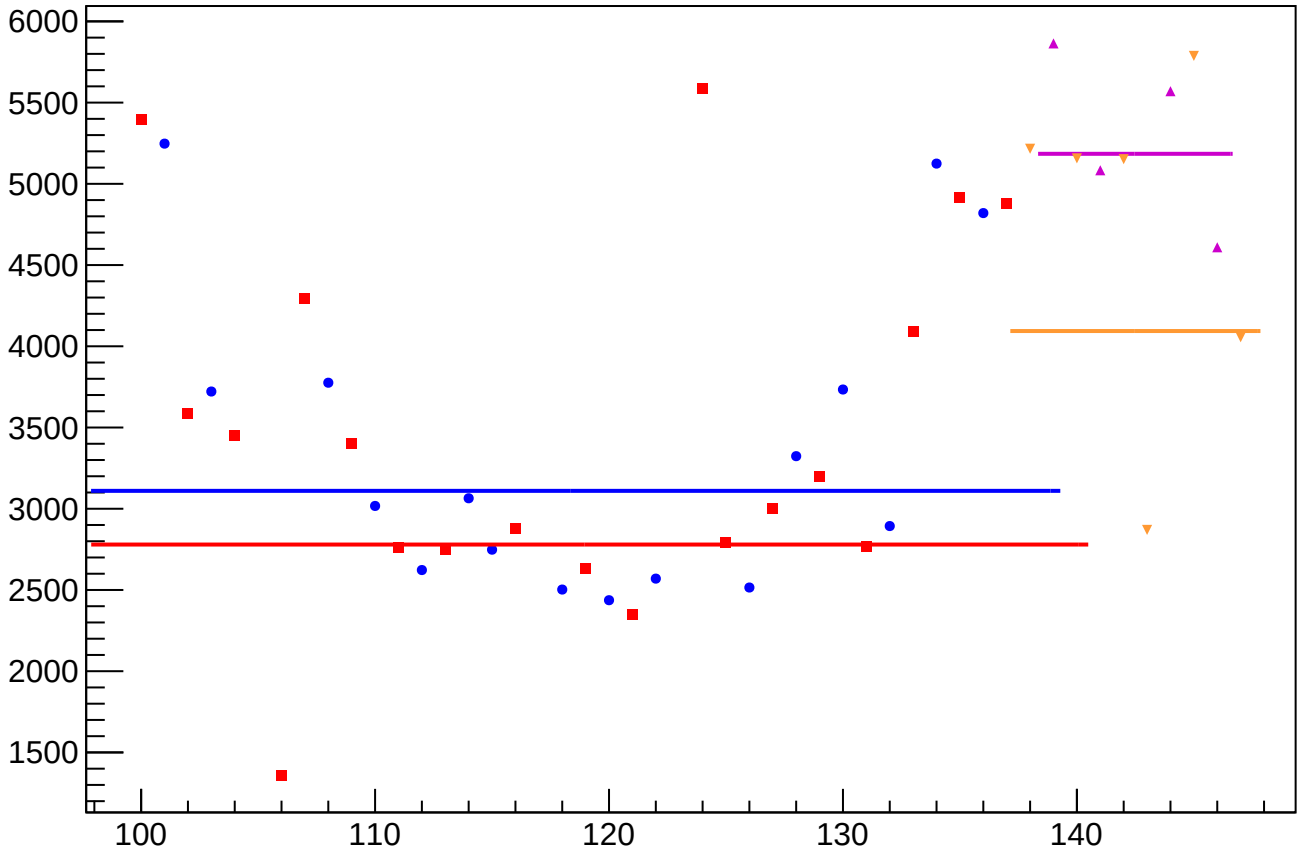
Left: 811.998+/-1624.929 χ^2/NDF: 11.2/9

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -333.768+/-1100.697 χ^2/NDF:16.6/19

Out: 763.590+/-943.305 χ^2/NDF:29.3/24

All: 298.912+/-716.259 χ^2/NDF: 46.5/44



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4093.876+/-1.416 χ^2/NDF:614267.0/5

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5184.803+/-1.967 χ^2/NDF:59642.5/3

Left: 4466.100+/-1.149 χ^2/NDF: 876544.6/9

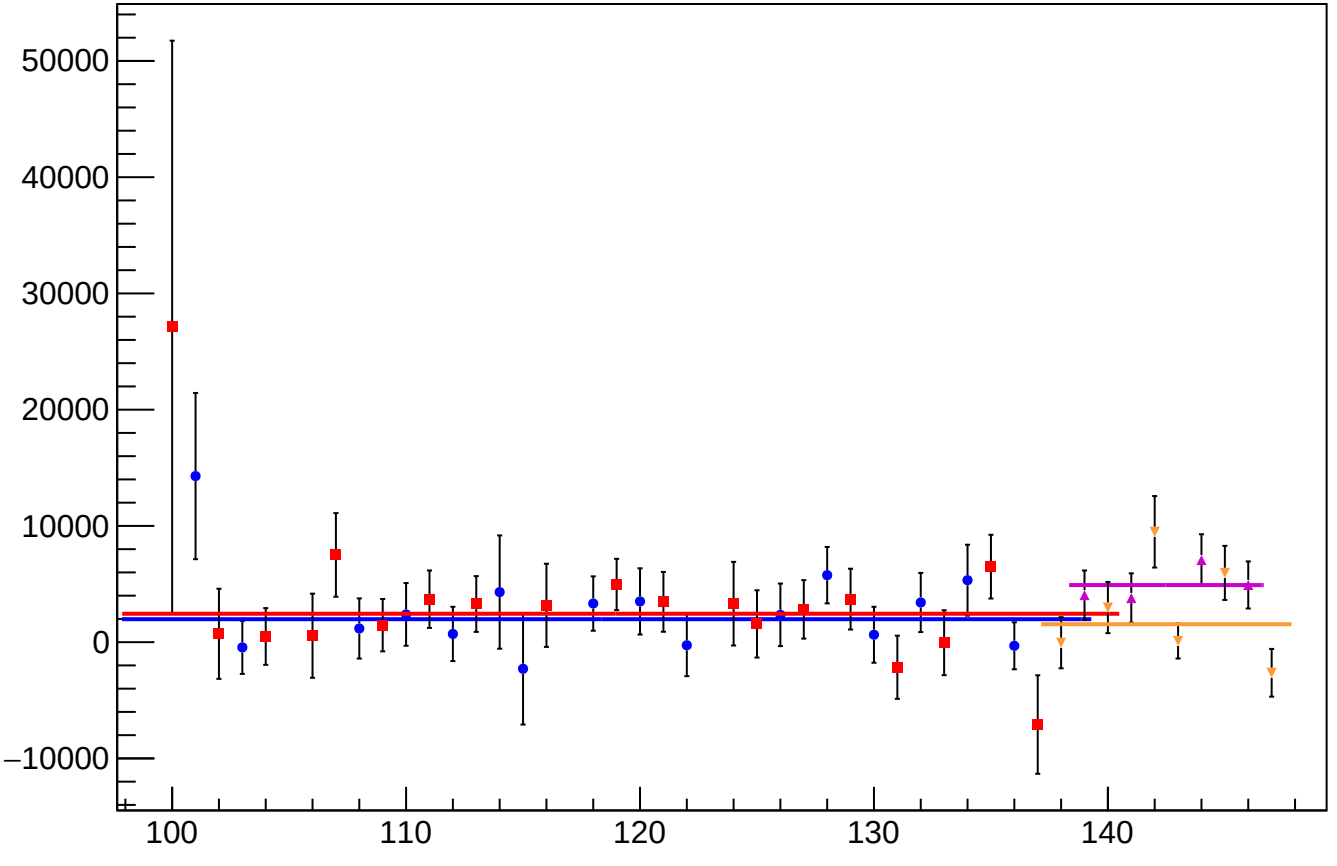
Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3434.938+/-0.778 χ^2/NDF:1881164.2/19

Out: 3071.417+/-0.667 χ^2/NDF:2632969.2/24

All: 3225.351+/-0.506 χ^2/NDF: 4639907.1/44

eigen_dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1542.669+/-851.380 χ^2/NDF:16.3/5

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 4912.042+/-1058.785 χ^2/NDF:1.4/3

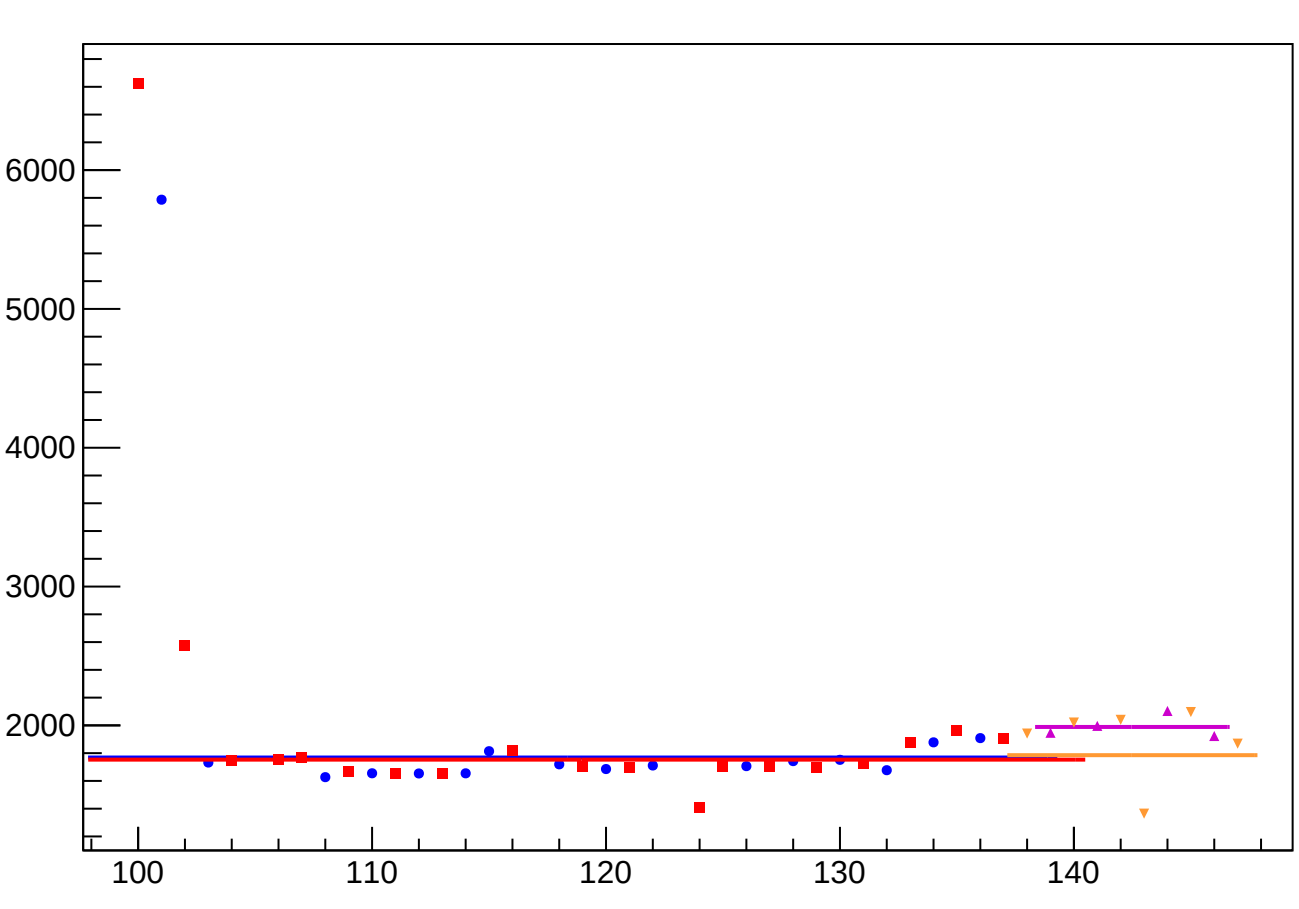
Left: 2865.773+/-663.484 χ^2/NDF: 23.8/9

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2822.694+/-568.624 χ^2/NDF:19.3/19

Out: 2107.276+/-520.474 χ^2/NDF:34.5/24

All: 2433.417+/-383.927 χ^2/NDF: 54.6/44



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1785.433+/-0.602 χ^2/NDF:241115.8/5

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1988.718+/-0.749 χ^2/NDF:8276.2/3

Left: 1865.260+/-0.469 χ^2/NDF: 294167.6/9

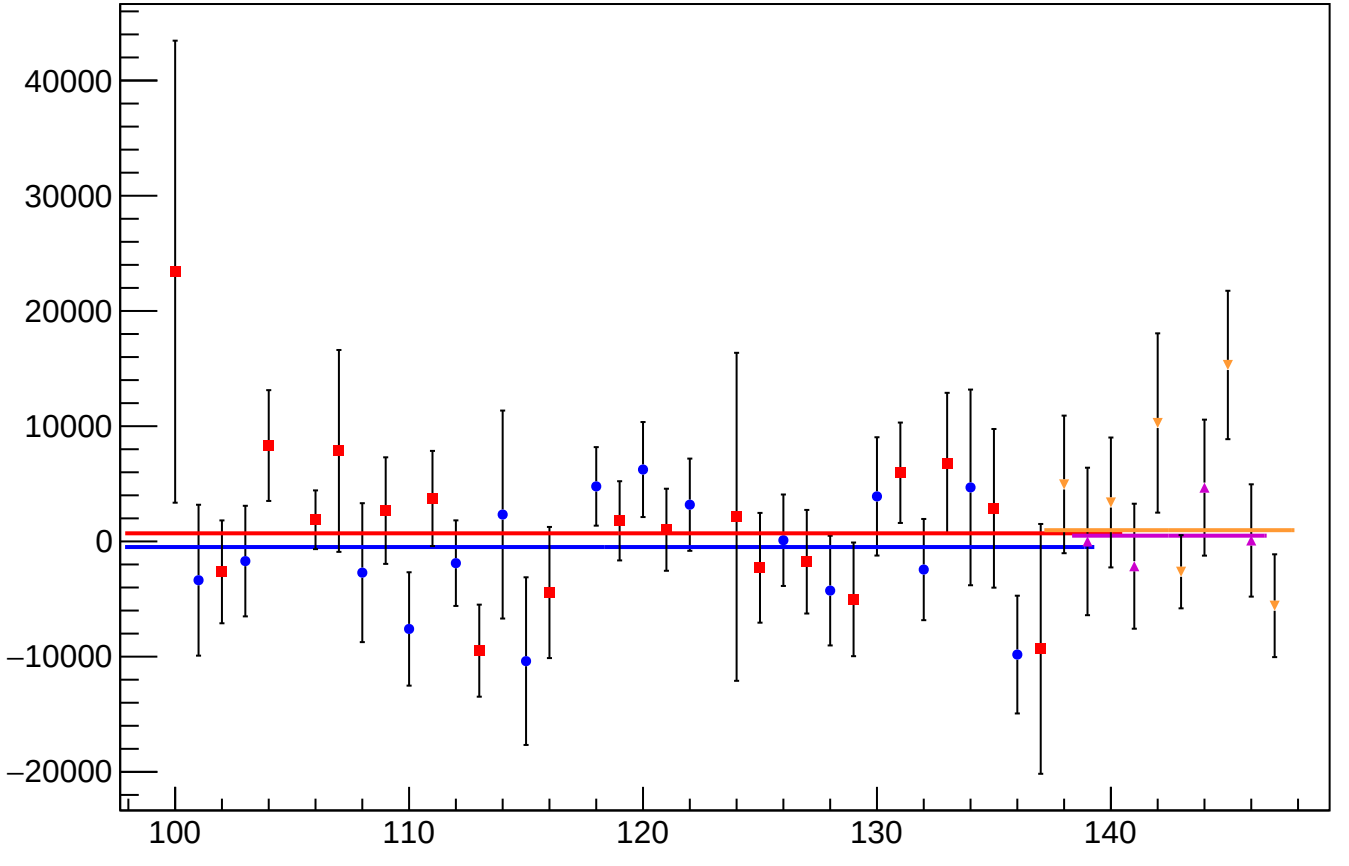
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1832.002+/-0.402 χ^2/NDF:737220.9/19

Out: 1765.321+/-0.367 χ^2/NDF:461758.8/24

All: 1795.664+/-0.271 χ^2/NDF: 1213968.0/44

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: 974.766+/-2001.971 χ^2/NDF:10.5/5

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 497.706+/-2781.834 χ^2/NDF:0.8/3

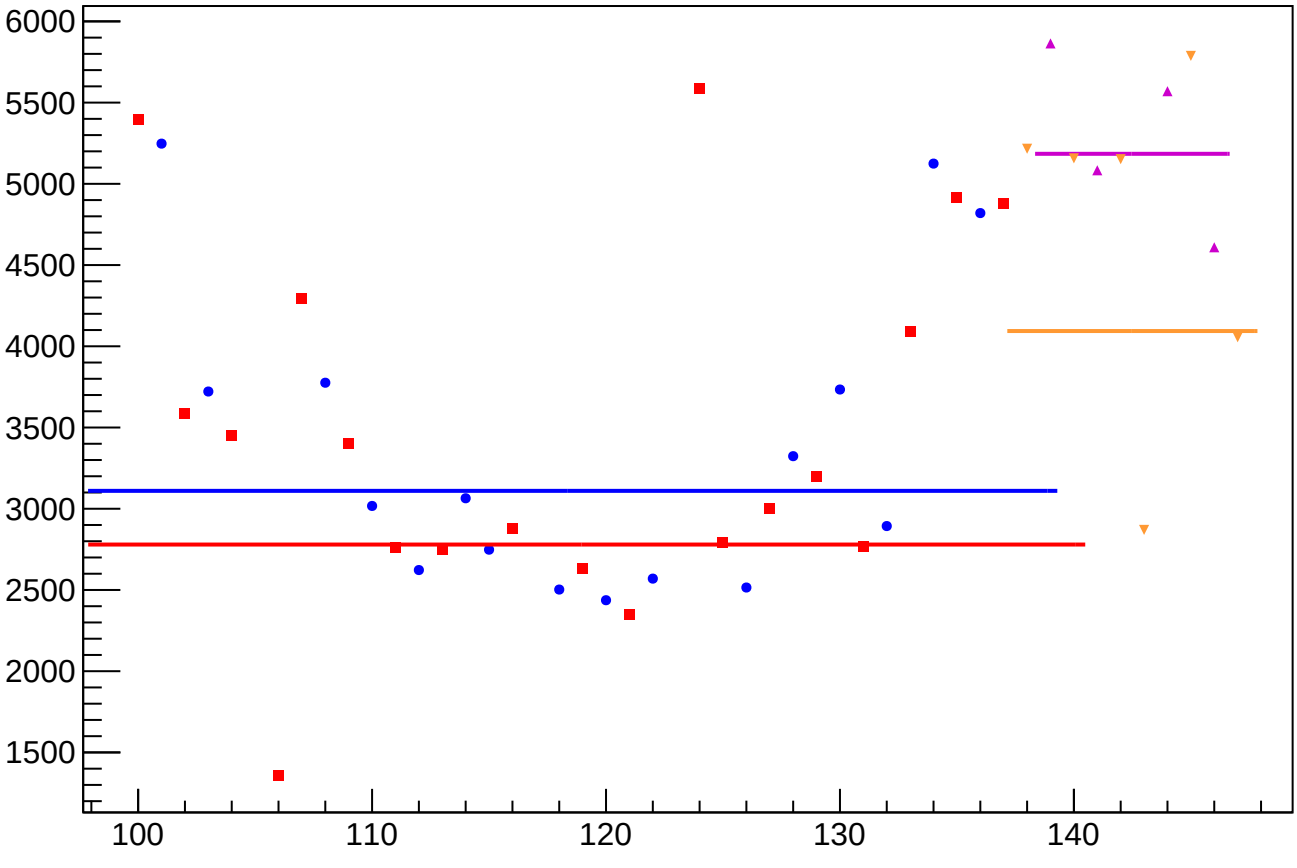
Left: 811.994+/-1624.931 χ^2/NDF: 11.2/9

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -333.764+/-1100.694 χ^2/NDF:16.6/19

Out: 763.590+/-943.302 χ^2/NDF:29.3/24

All: 298.913+/-716.257 χ^2/NDF: 46.5/44



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4093.880+/-1.416 χ^2/NDF:614272.1/5

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5184.812+/-1.967 χ^2/NDF:59643.6/3

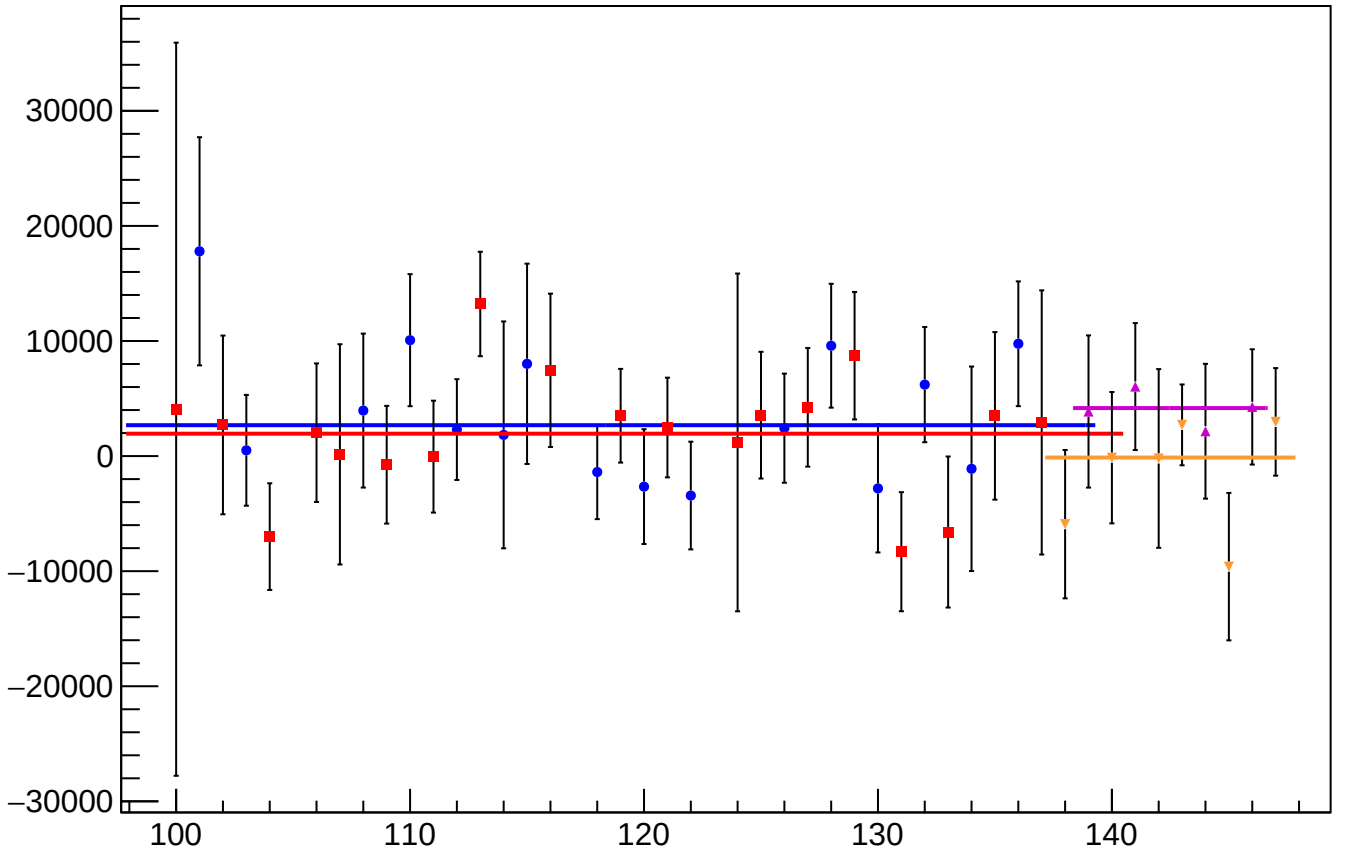
Left: 4466.105+/-1.149 χ^2/NDF: 876552.3/9

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3434.928+/-0.778 χ^2/NDF:1881191.6/19

Out: 3071.406+/-0.667 χ^2/NDF:2633009.8/24

All: 3225.340+/-0.506 χ^2/NDF: 4639976.2/44



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: -126.871+/-2119.495 χ^2/NDF:4.1/5

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 4171.589+/-2831.190 χ^2/NDF:0.2/3

Left: 1416.937+/-1696.716 χ^2/NDF: 5.8/9

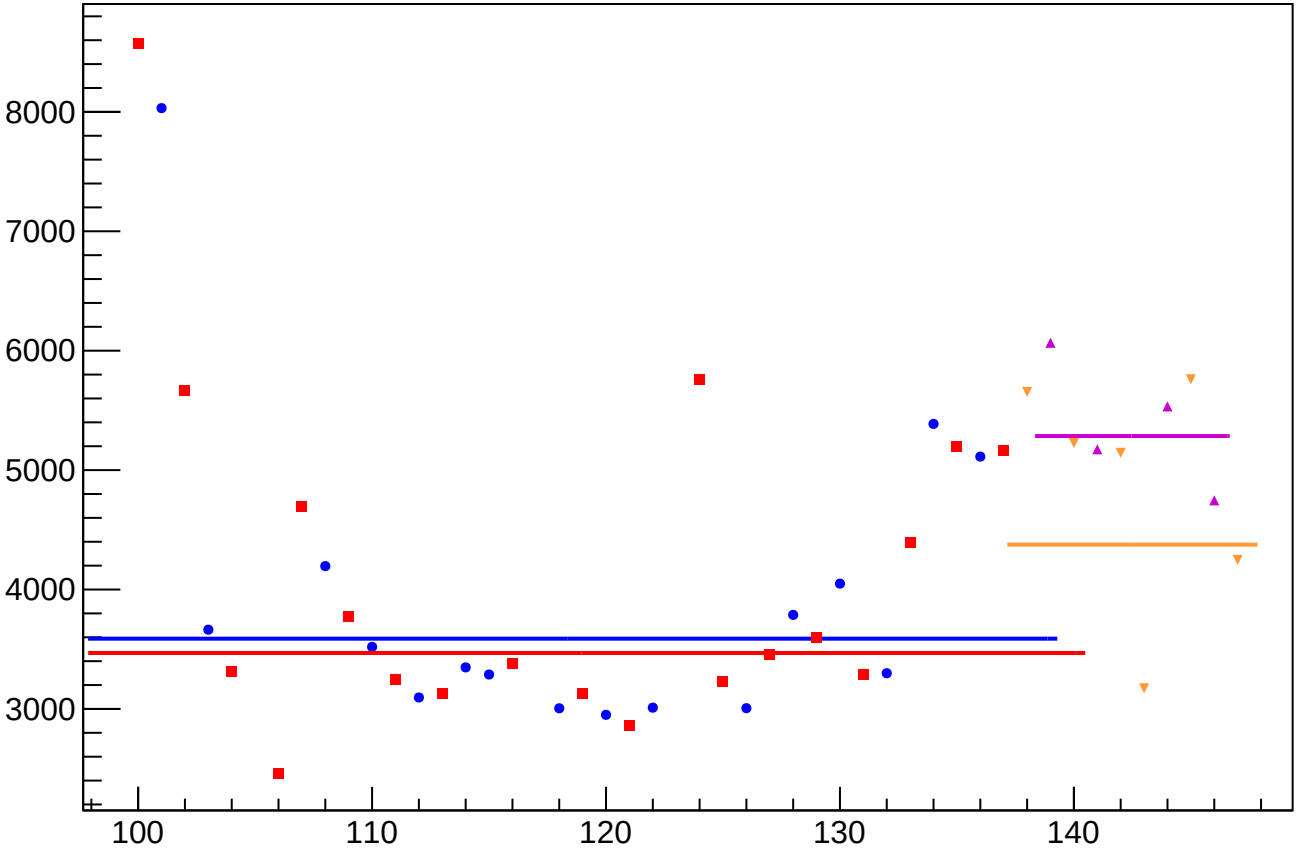
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2970.692+/-1240.417 χ^2/NDF:13.9/19

Out: 1358.261+/-1128.379 χ^2/NDF:23.5/24

All: 2088.383+/-834.689 χ^2/NDF: 38.3/44

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4375.833+/-1.499 χ^2/NDF:472517.2/5

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5285.340+/-2.002 χ^2/NDF:55426.5/3

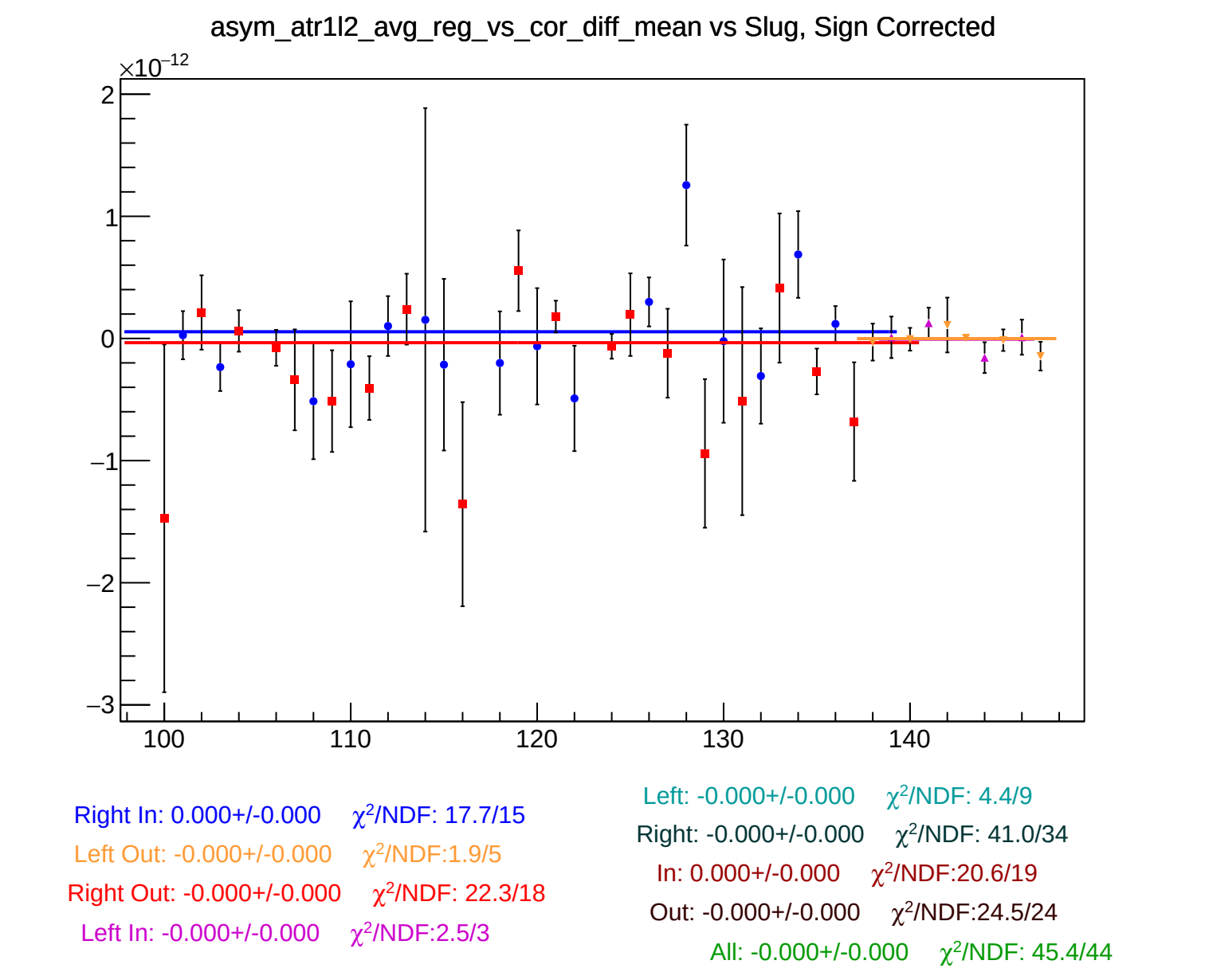
Left: 4702.486+/-1.200 χ^2/NDF: 660212.4/9

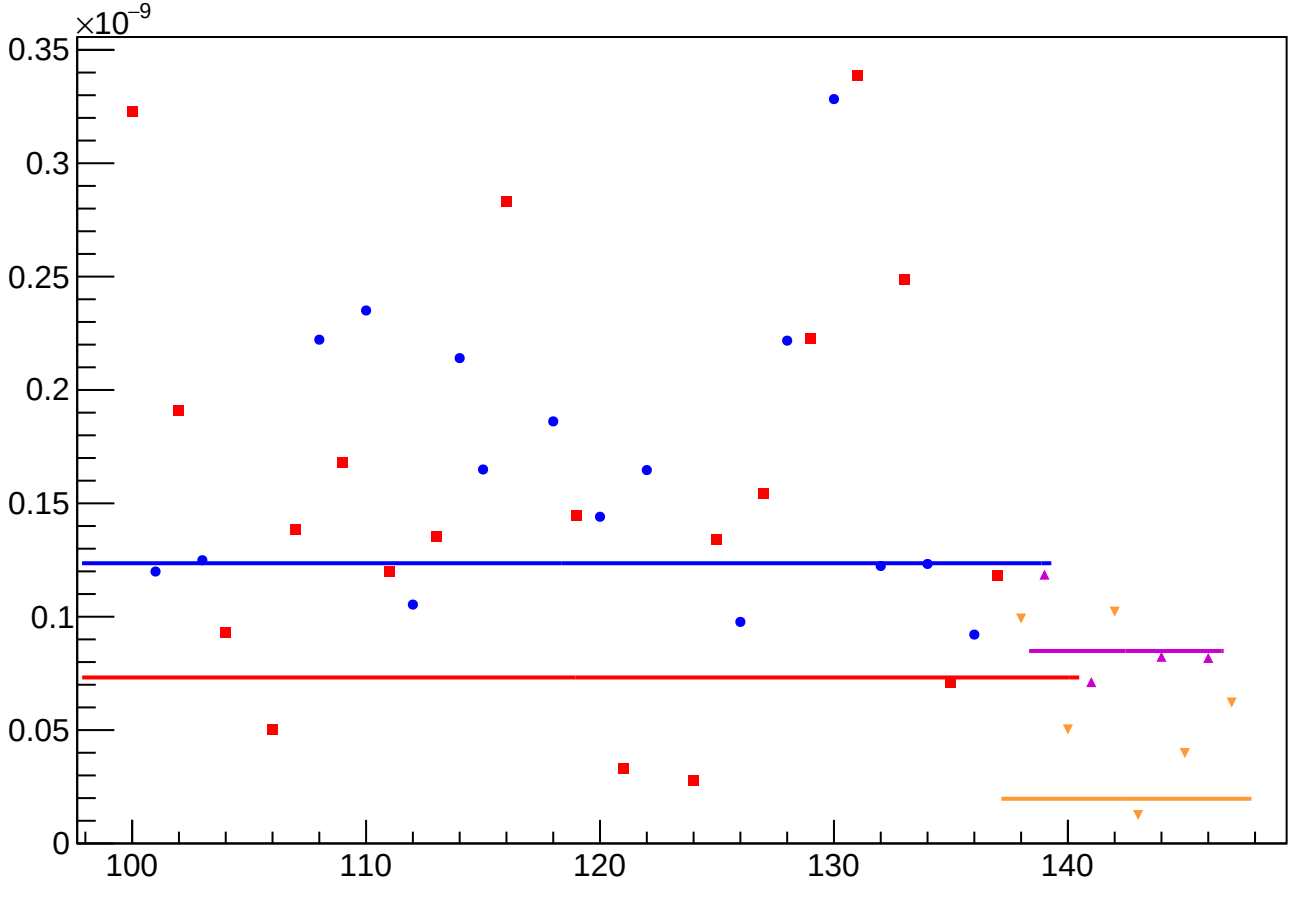
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3914.158+/-0.877 χ^2/NDF:1481203.1/19

Out: 3720.153+/-0.789 χ^2/NDF:1403887.6/24

All: 3806.942+/-0.587 χ^2/NDF: 2912128.3/44


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
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: -0.000+/-0.000 χ²/NDF:1.9/5
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:2.5/3
Left: -0.000+/-0.000 χ²/NDF: 4.4/9
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:20.6/19
Out: -0.000+/-0.000 χ²/NDF:24.5/24
All: -0.000+/-0.000 χ²/NDF: 45.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1604938.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:103862.0/3

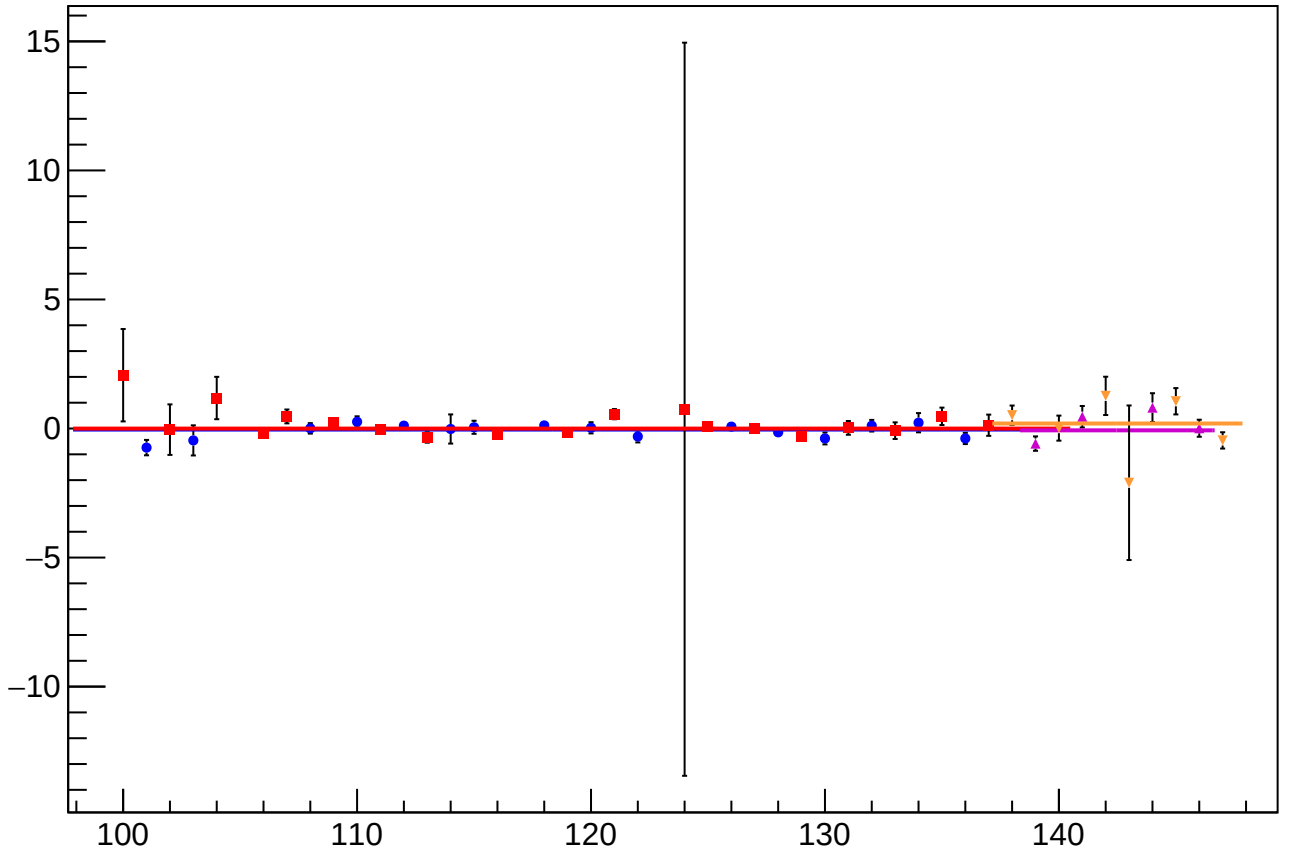
Left: 0.000+/-0.000 χ^2/NDF: 3339018.4/9

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1061233.1/19

Out: 0.000+/-0.000 χ^2/NDF:5551226.4/24

All: 0.000+/-0.000 χ^2/NDF: 10656181.8/44



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.071+/-0.180 χ^2/NDF:7.5/3

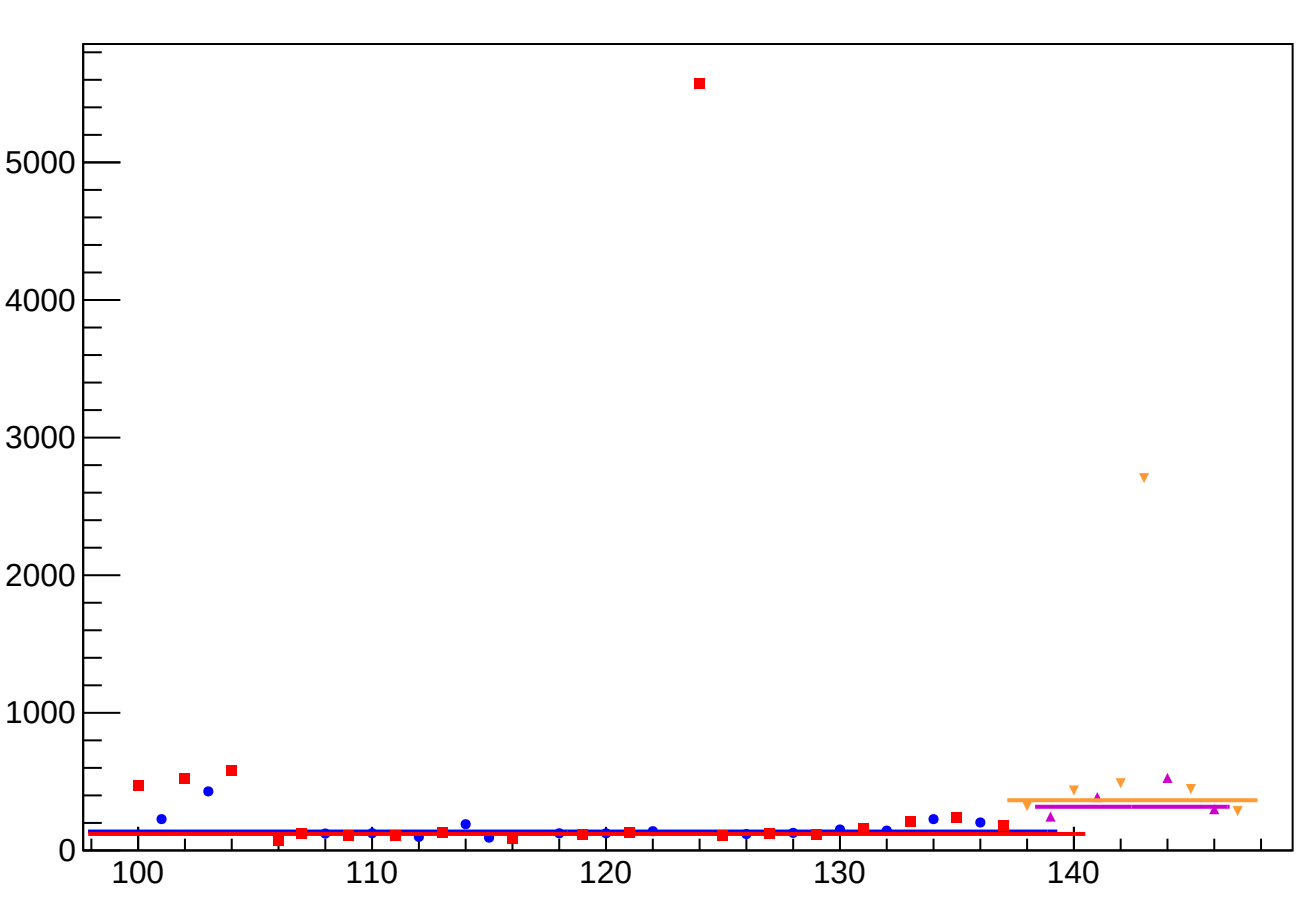
Left: 0.053+/-0.131 χ^2/NDF: 19.3/9

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.042+/-0.053 χ^2/NDF:25.5/19

Out: 0.010+/-0.049 χ^2/NDF:40.4/24

All: -0.014+/-0.036 χ^2/NDF: 66.4/44



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.873+/-0.136 χ^2/NDF:1521518.8/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.414+/-0.127 χ^2/NDF:475749.4/3

Left: 339.599+/-0.093 χ^2/NDF: 2062546.0/9

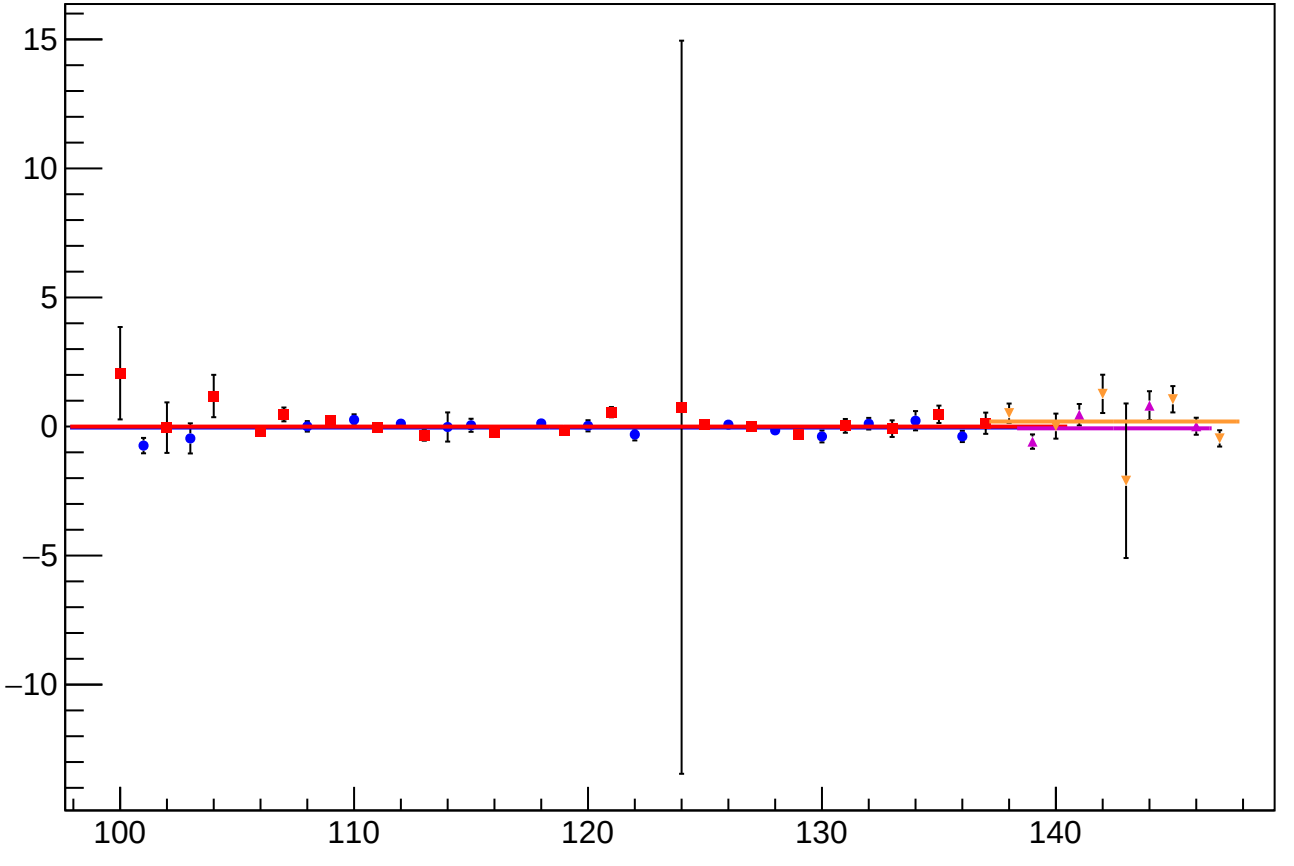
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 153.256+/-0.038 χ^2/NDF:3576180.3/19

Out: 136.147+/-0.035 χ^2/NDF:6709379.4/24

All: 144.021+/-0.026 χ^2/NDF: 10396779.7/44

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.071+/-0.180 χ^2/NDF:7.5/3

Left: 0.053+/-0.131 χ^2/NDF: 19.3/9

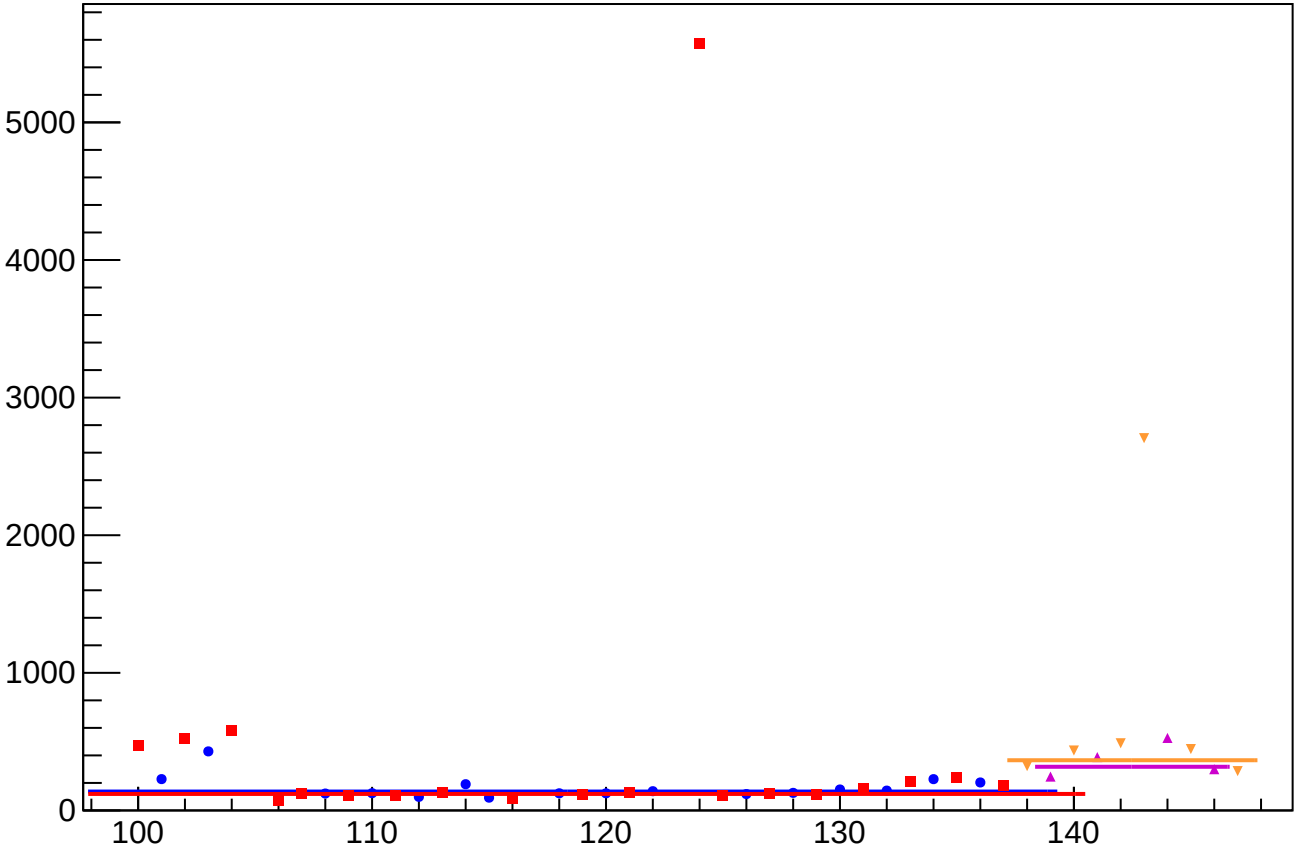
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.042+/-0.053 χ^2/NDF:25.5/19

Out: 0.010+/-0.049 χ^2/NDF:40.4/24

All: -0.014+/-0.036 χ^2/NDF: 66.4/44

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 364.873+/-0.136 χ^2/NDF:1521518.8/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.414+/-0.127 χ^2/NDF:475749.4/3

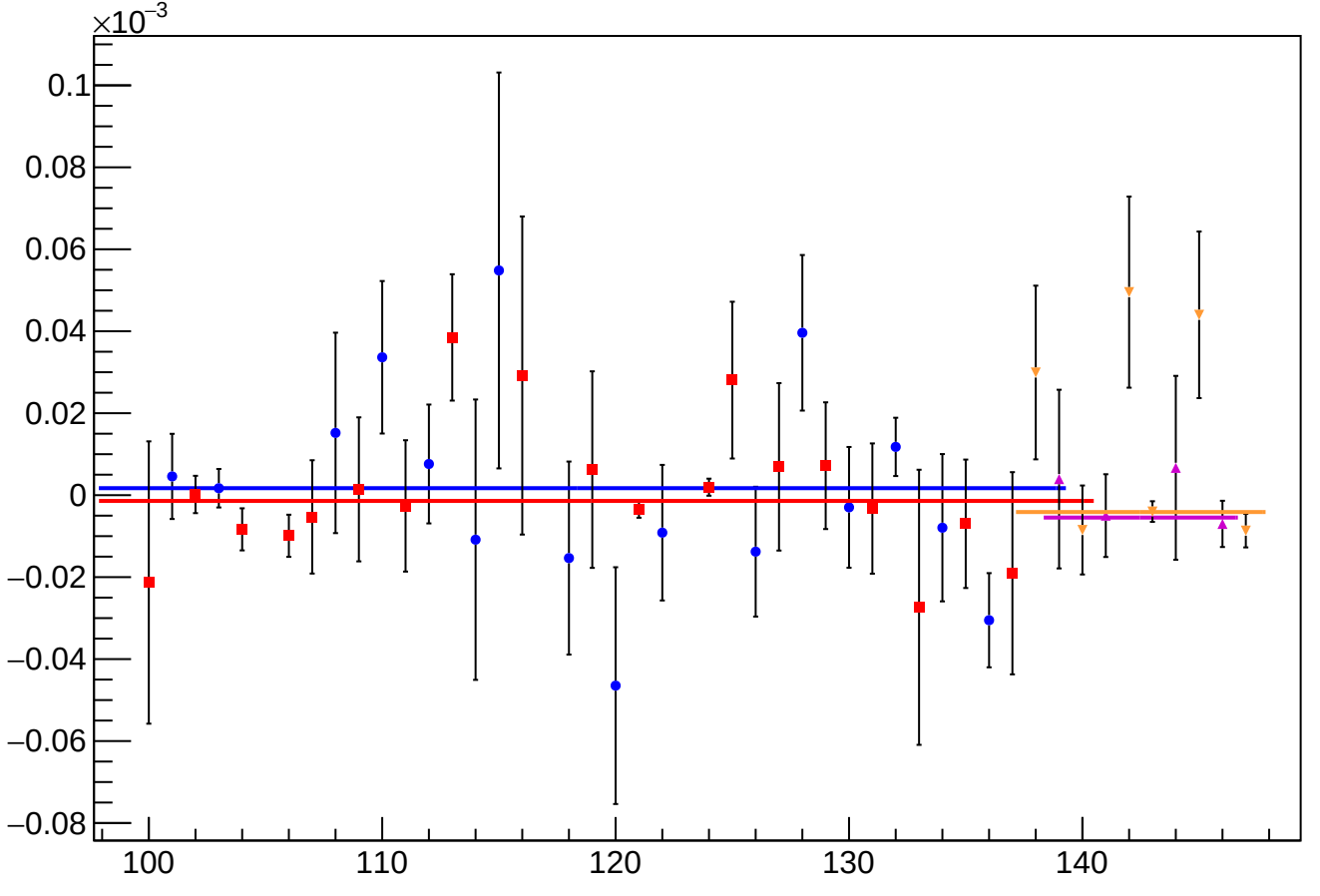
Left: 339.599+/-0.093 χ^2/NDF: 2062546.0/9

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 153.256+/-0.038 χ^2/NDF:3576180.3/19

Out: 136.147+/-0.035 χ^2/NDF:6709379.4/24

All: 144.021+/-0.026 χ^2/NDF: 10396779.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

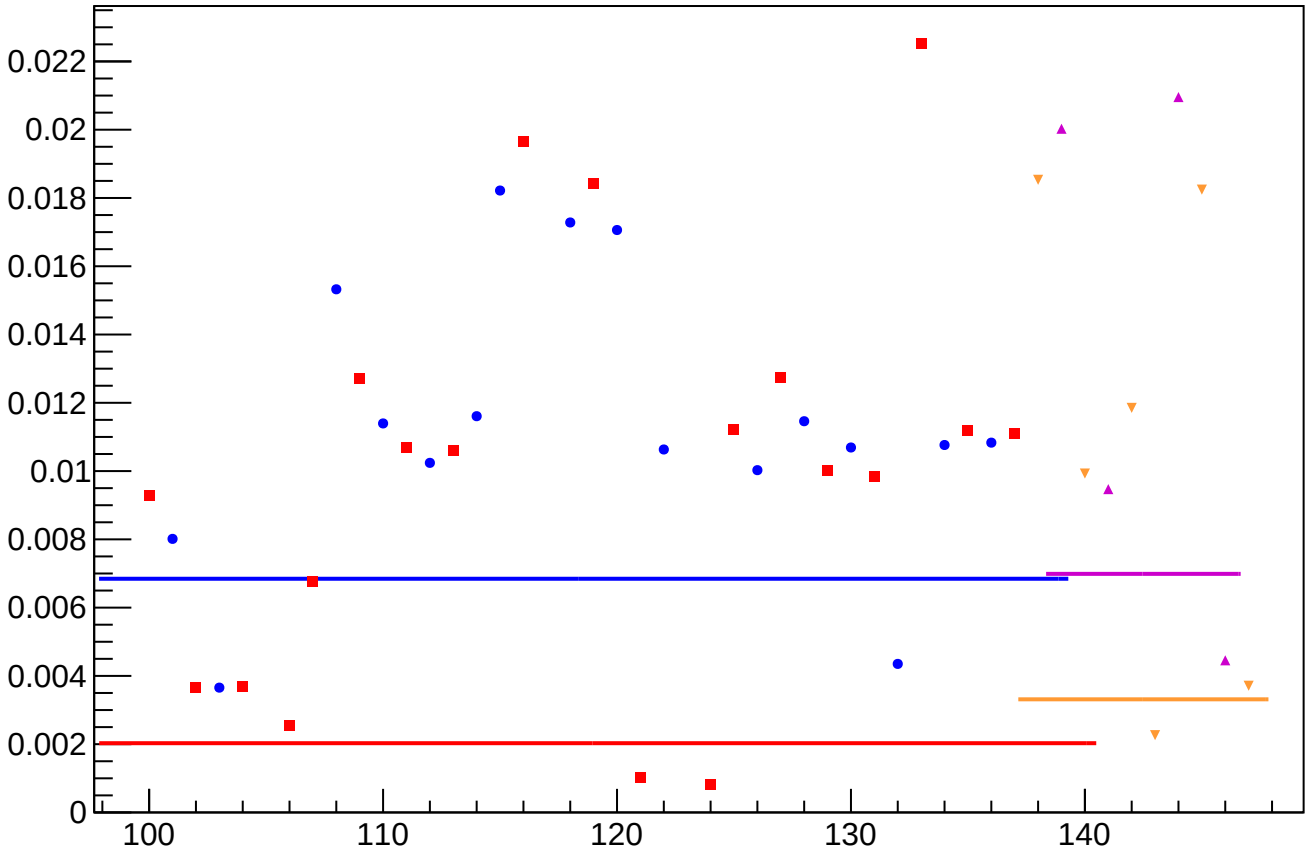
Left: -0.000+/-0.000 χ^2/NDF: 15.5/9

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: -0.000+/-0.000 χ^2/NDF:26.0/19

Out: -0.000+/-0.000 χ^2/NDF:36.4/24

All: -0.000+/-0.000 χ^2/NDF: 62.8/44



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3488426.9/5

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.007+/-0.000 χ^2/NDF:2014753.8/3

Left: 0.004+/-0.000 χ^2/NDF: 6527866.8/9

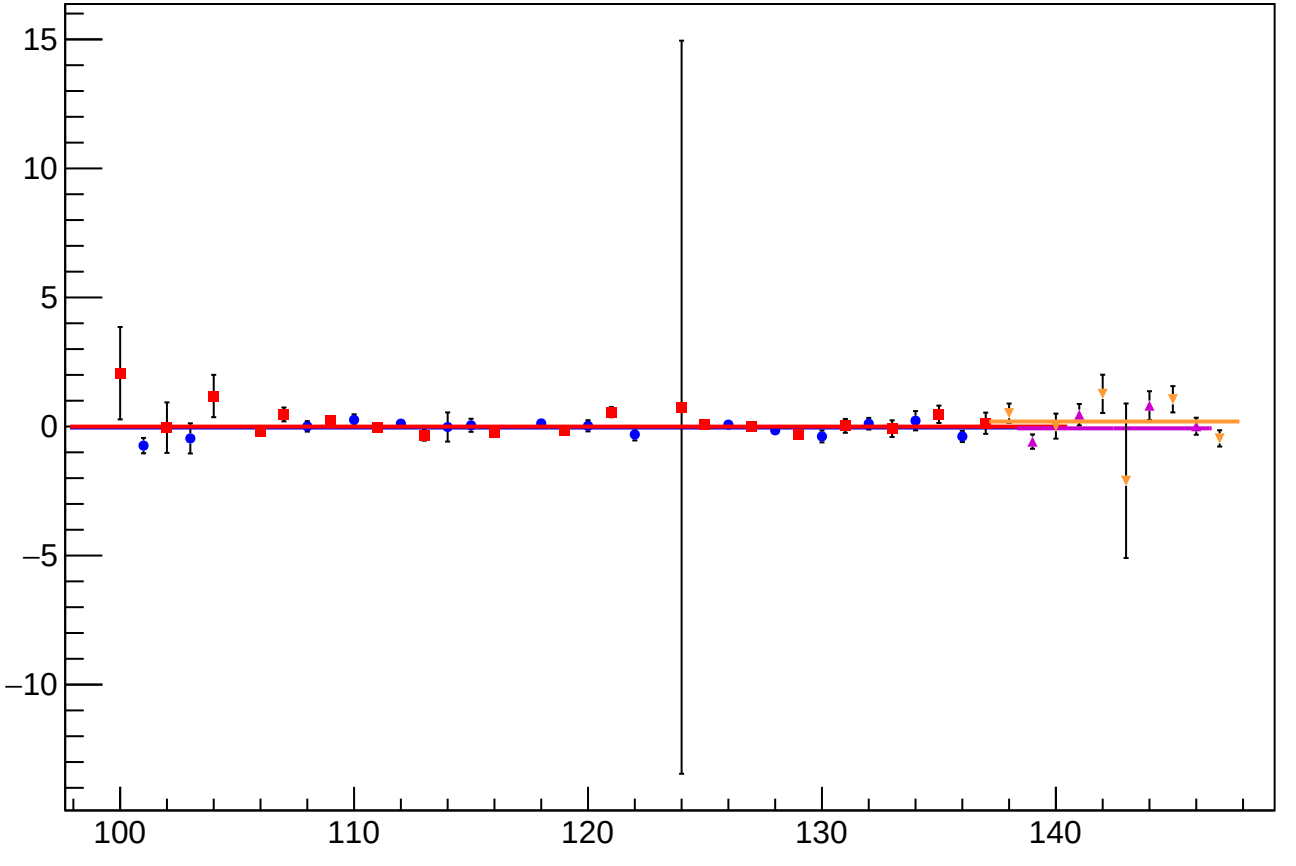
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.007+/-0.000 χ^2/NDF:5246198.0/19

Out: 0.002+/-0.000 χ^2/NDF:13058061.5/24

All: 0.003+/-0.000 χ^2/NDF: 23772659.0/44

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: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.071+/-0.180 χ^2/NDF:7.5/3

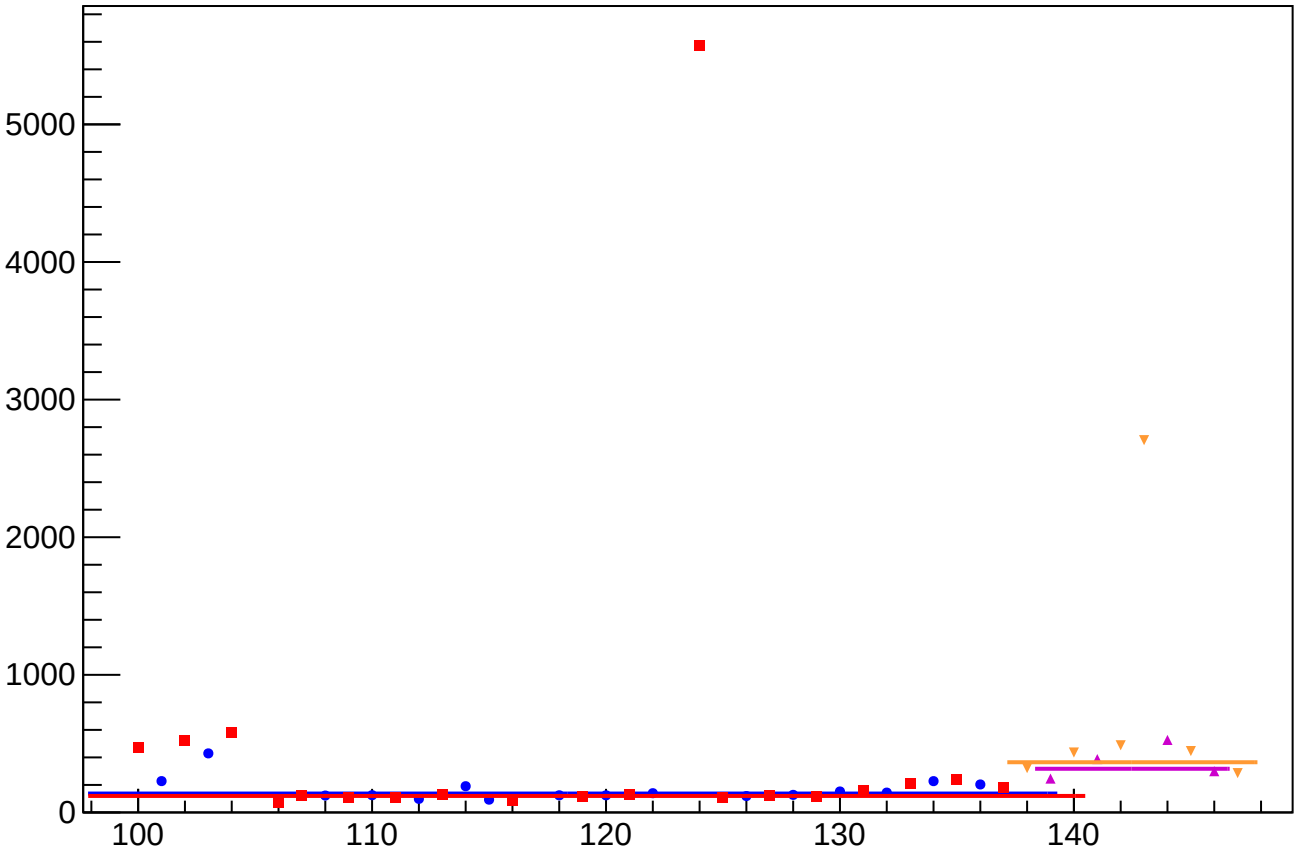
Left: 0.053+/-0.131 χ^2/NDF: 19.3/9

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.042+/-0.053 χ^2/NDF:25.5/19

Out: 0.010+/-0.049 χ^2/NDF:40.4/24

All: -0.014+/-0.036 χ^2/NDF: 66.4/44



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 364.876+/-0.136 χ^2/NDF:1521542.7/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 317.420+/-0.127 χ^2/NDF:475733.1/3

Left: 339.603+/-0.093 χ^2/NDF: 2062542.7/9

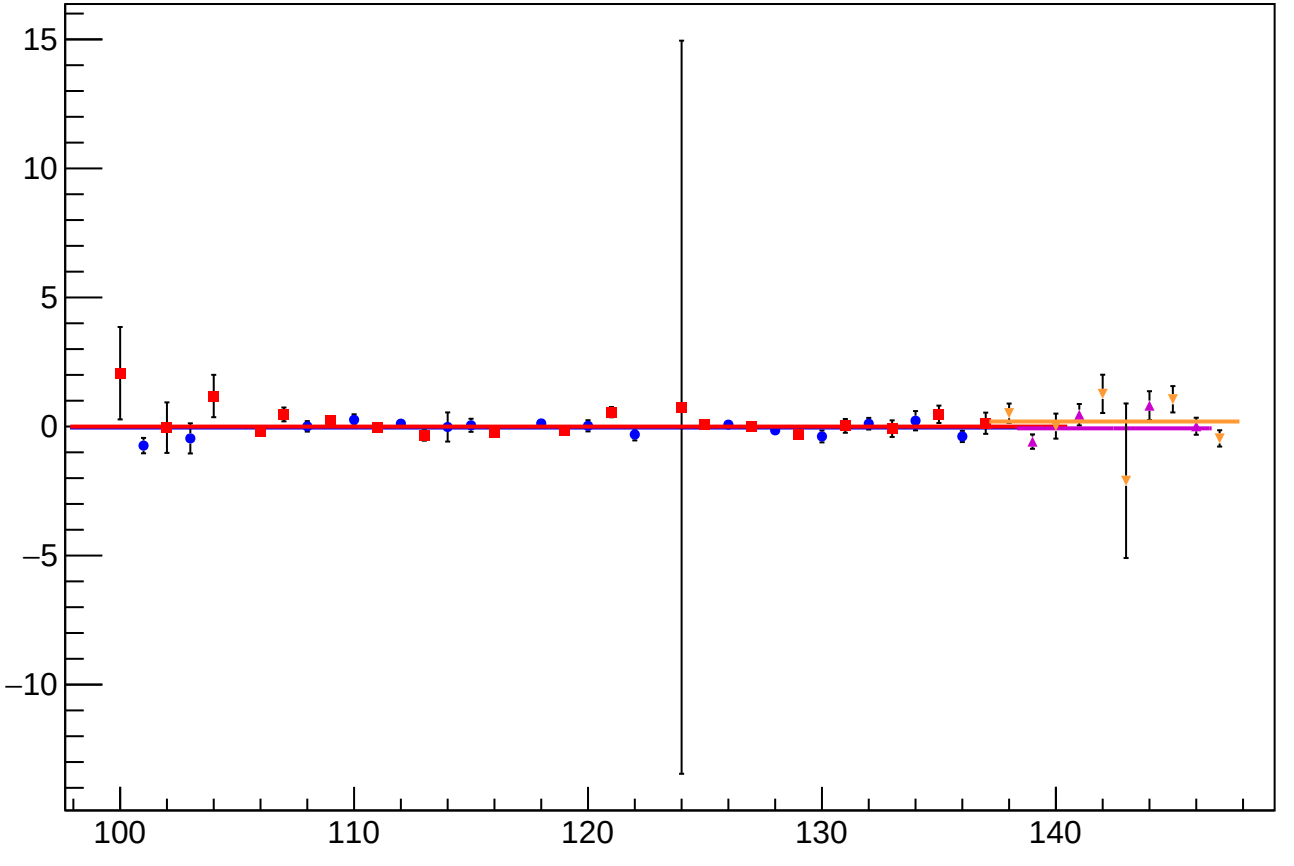
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 153.257+/-0.038 χ^2/NDF:3576145.8/19

Out: 136.147+/-0.035 χ^2/NDF:6709349.1/24

All: 144.021+/-0.026 χ^2/NDF: 10396728.2/44

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.194+/-0.192 χ^2/NDF:10.7/5

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.071+/-0.180 χ^2/NDF:7.5/3

Left: 0.053+/-0.131 χ^2/NDF: 19.3/9

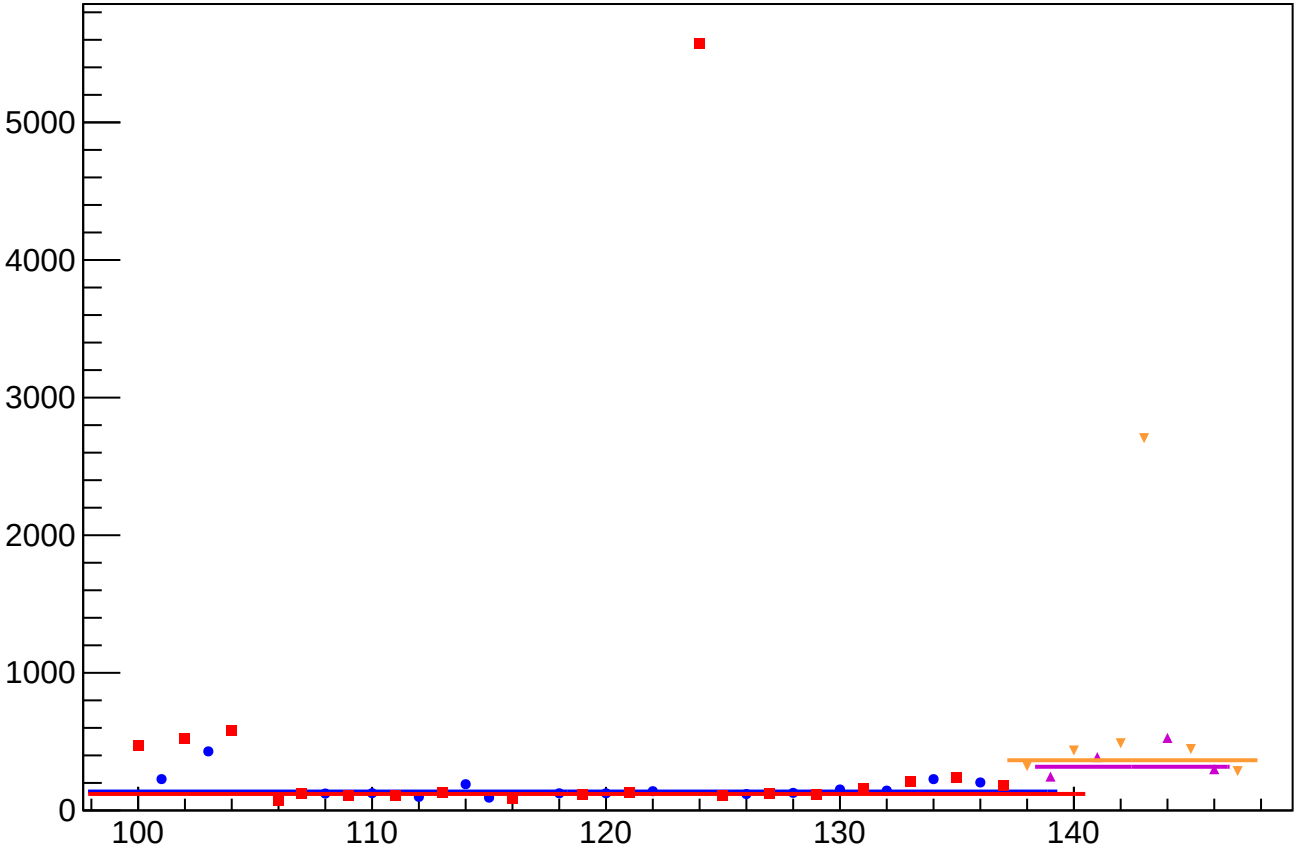
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.042+/-0.053 χ^2/NDF:25.5/19

Out: 0.010+/-0.049 χ^2/NDF:40.4/24

All: -0.014+/-0.036 χ^2/NDF: 66.4/44

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: 364.876+/-0.136 χ^2/NDF:1521542.7/5

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 317.420+/-0.127 χ^2/NDF:475733.1/3

Left: 339.603+/-0.093 χ^2/NDF: 2062542.7/9

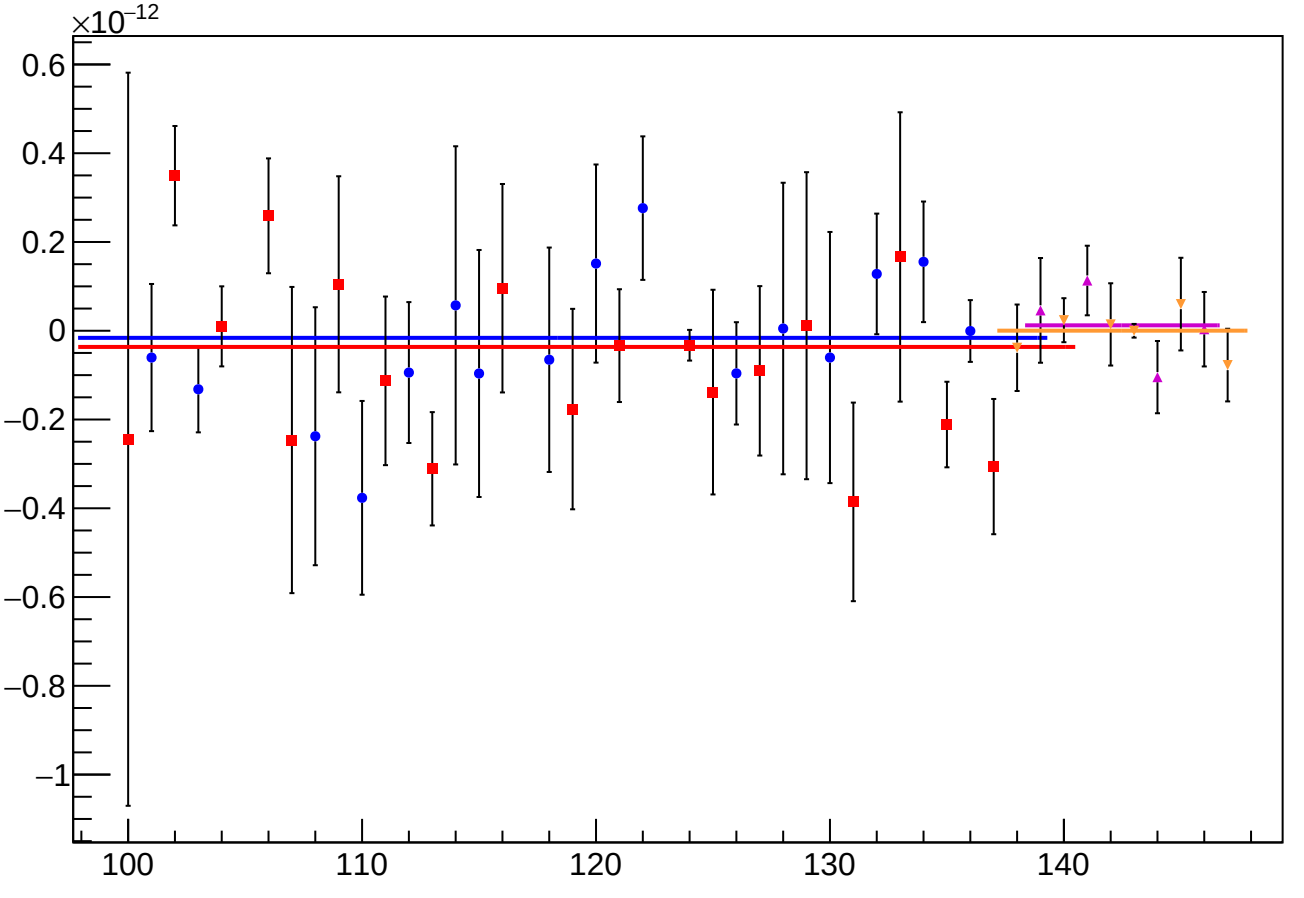
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 153.257+/-0.038 χ^2/NDF:3576145.8/19

Out: 136.147+/-0.035 χ^2/NDF:6709349.1/24

All: 144.021+/-0.026 χ^2/NDF: 10396728.2/44

asym_atr1l2_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:1.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/3

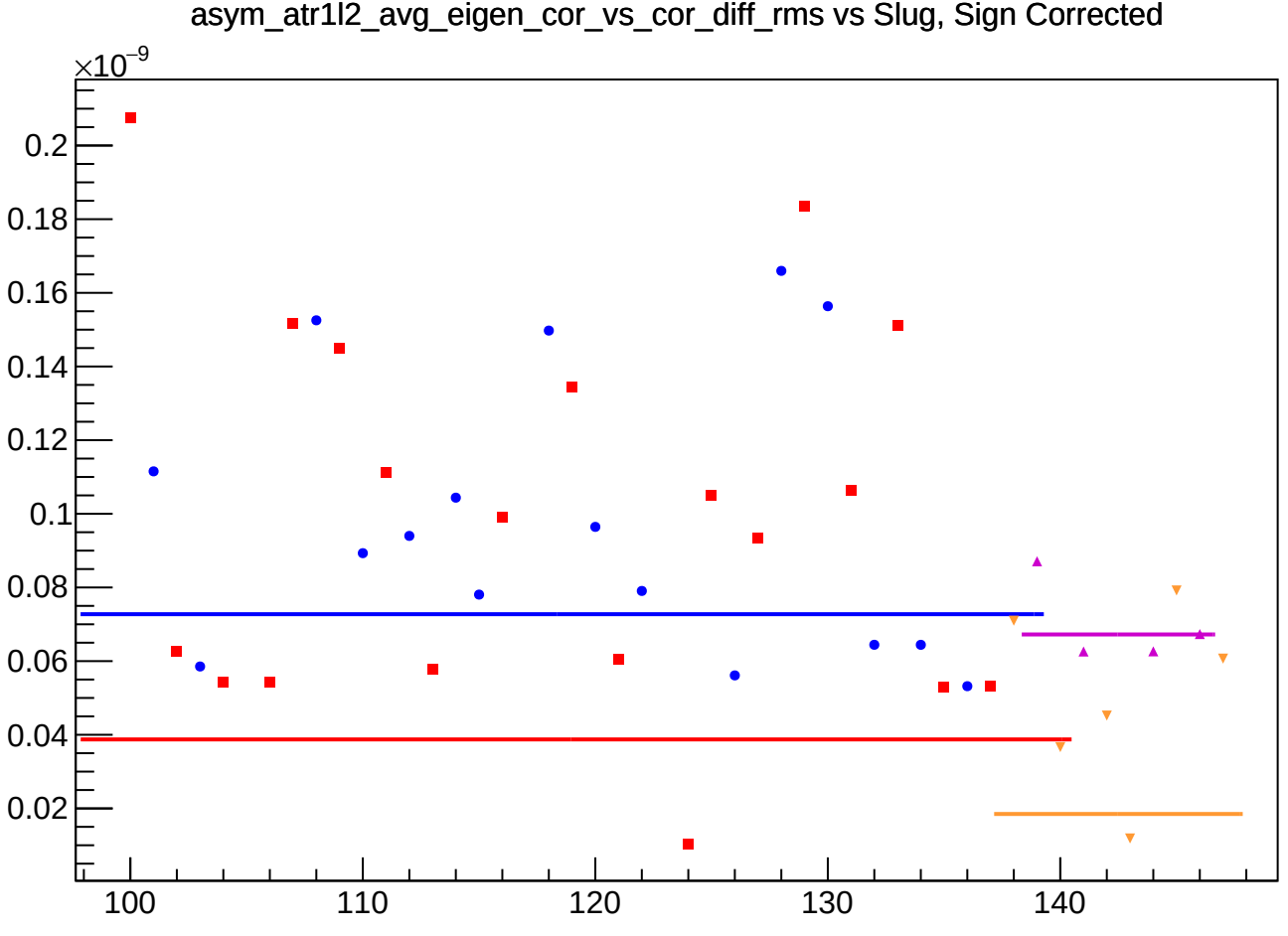
Left: 0.000+/-0.000 χ^2/NDF: 5.5/9

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:16.4/19

Out: -0.000+/-0.000 χ^2/NDF:36.4/24

All: -0.000+/-0.000 χ^2/NDF: 52.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2592552.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:70004.0/3

Left: 0.000+/-0.000 χ^2/NDF: 4932869.4/9

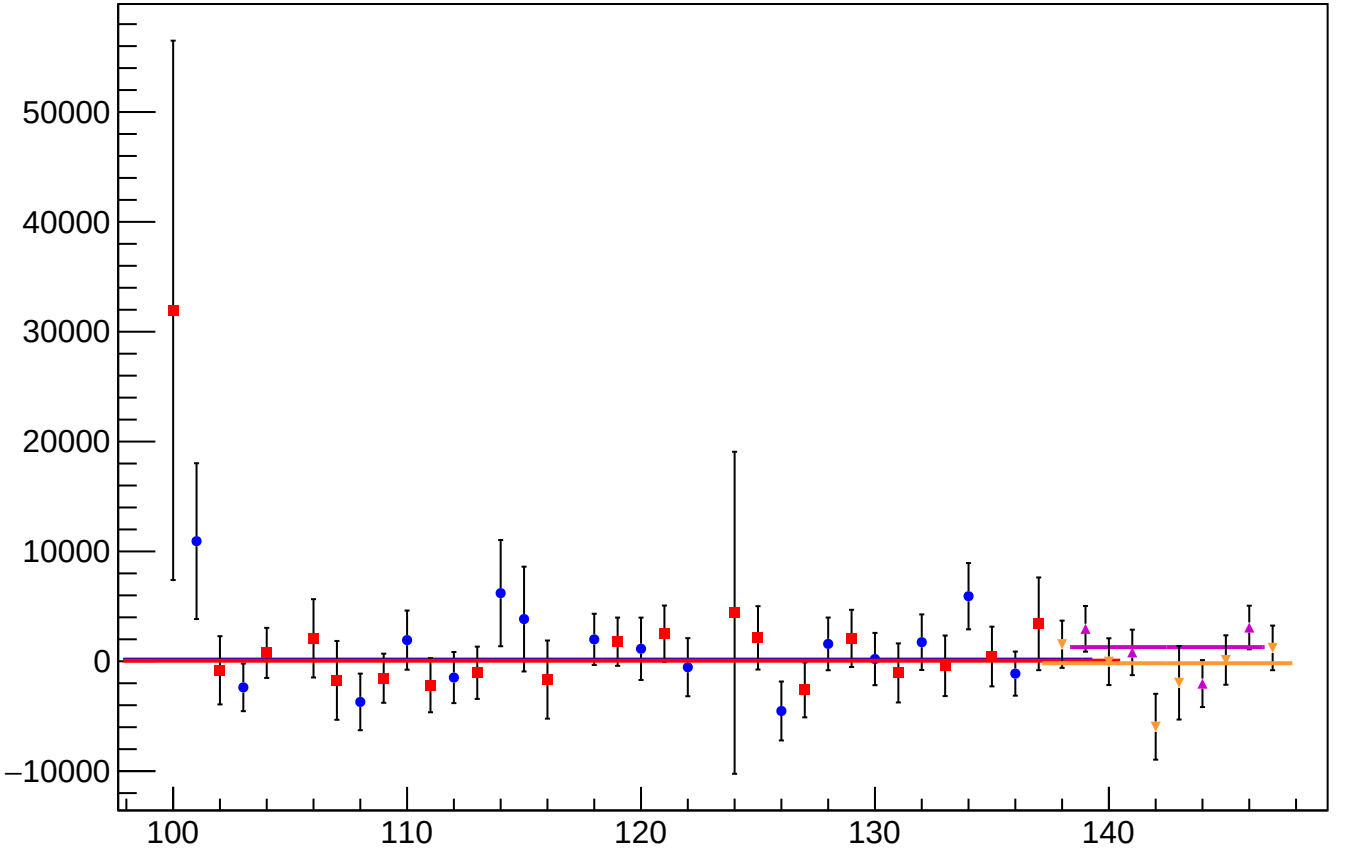
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1216493.8/19

Out: 0.000+/-0.000 χ^2/NDF:7830494.7/24

All: 0.000+/-0.000 χ^2/NDF: 13724843.7/44

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: -178.901+/-963.427 χ^2/NDF:5.1/5

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 1288.296+/-1032.659 χ^2/NDF:3.9/3

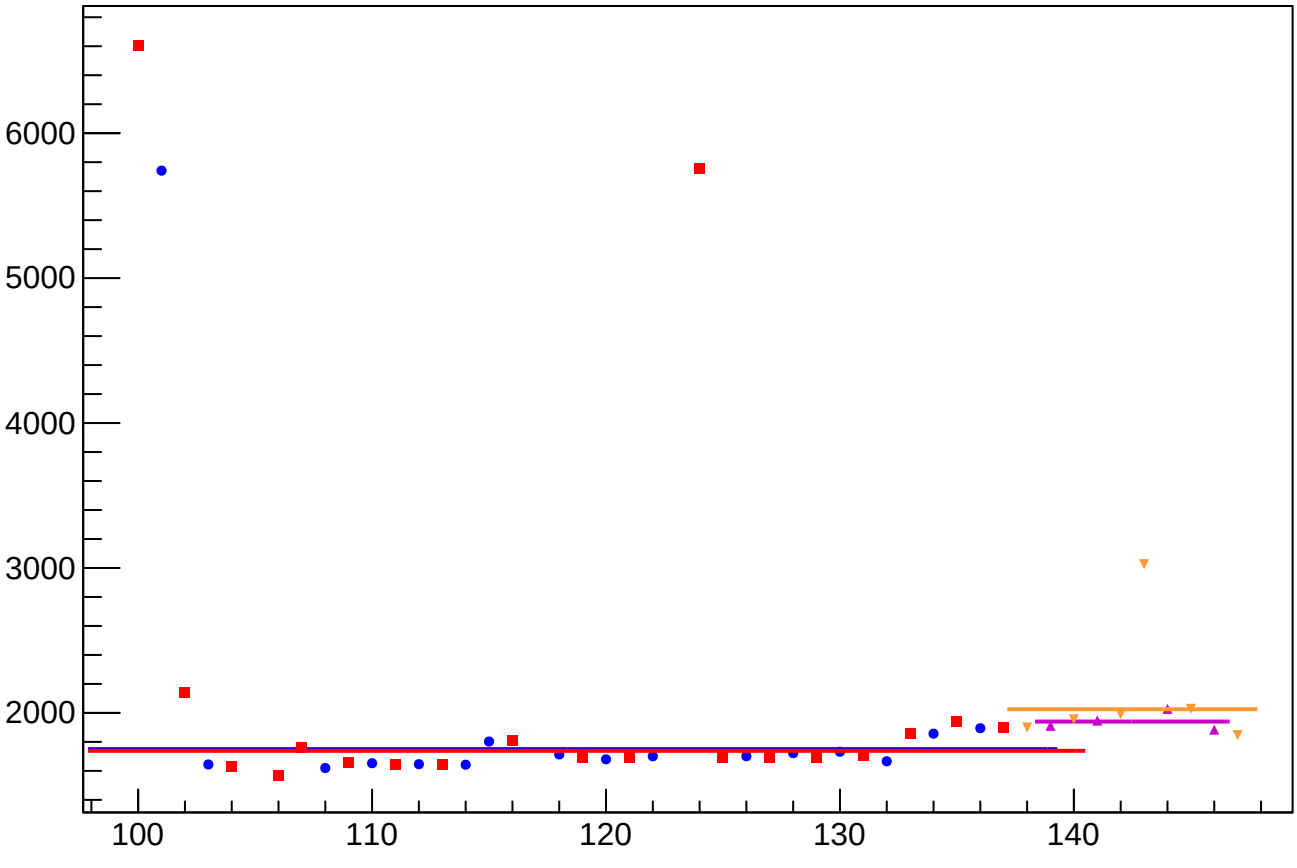
Left: 503.870+/-704.450 χ^2/NDF: 10.1/9

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 485.621+/-560.305 χ^2/NDF:22.4/19

Out: -19.590+/-541.821 χ^2/NDF:14.1/24

All: 224.545+/-389.496 χ^2/NDF: 37.0/44



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 2025.225+/-0.681 χ^2/NDF:203209.3/5

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

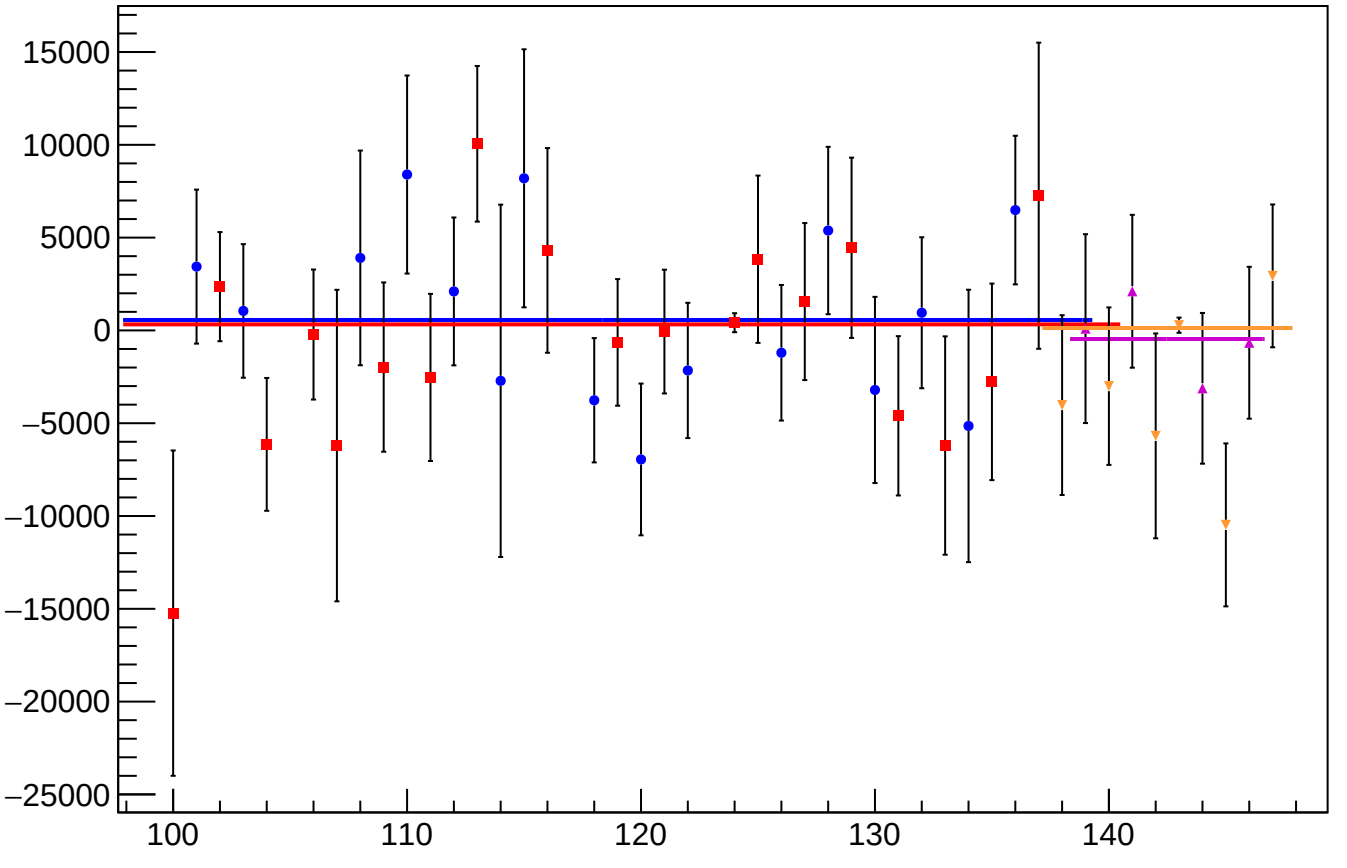
Left: 1985.727+/-0.498 χ^2/NDF: 215785.0/9

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1805.942+/-0.396 χ^2/NDF:722944.6/19

Out: 1828.271+/-0.381 χ^2/NDF:629386.4/24

All: 1817.537+/-0.275 χ^2/NDF: 1353980.3/44



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 130.016+/-400.782 χ^2/NDF:8.9/5

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -462.632+/-2142.059 χ^2/NDF:0.8/3

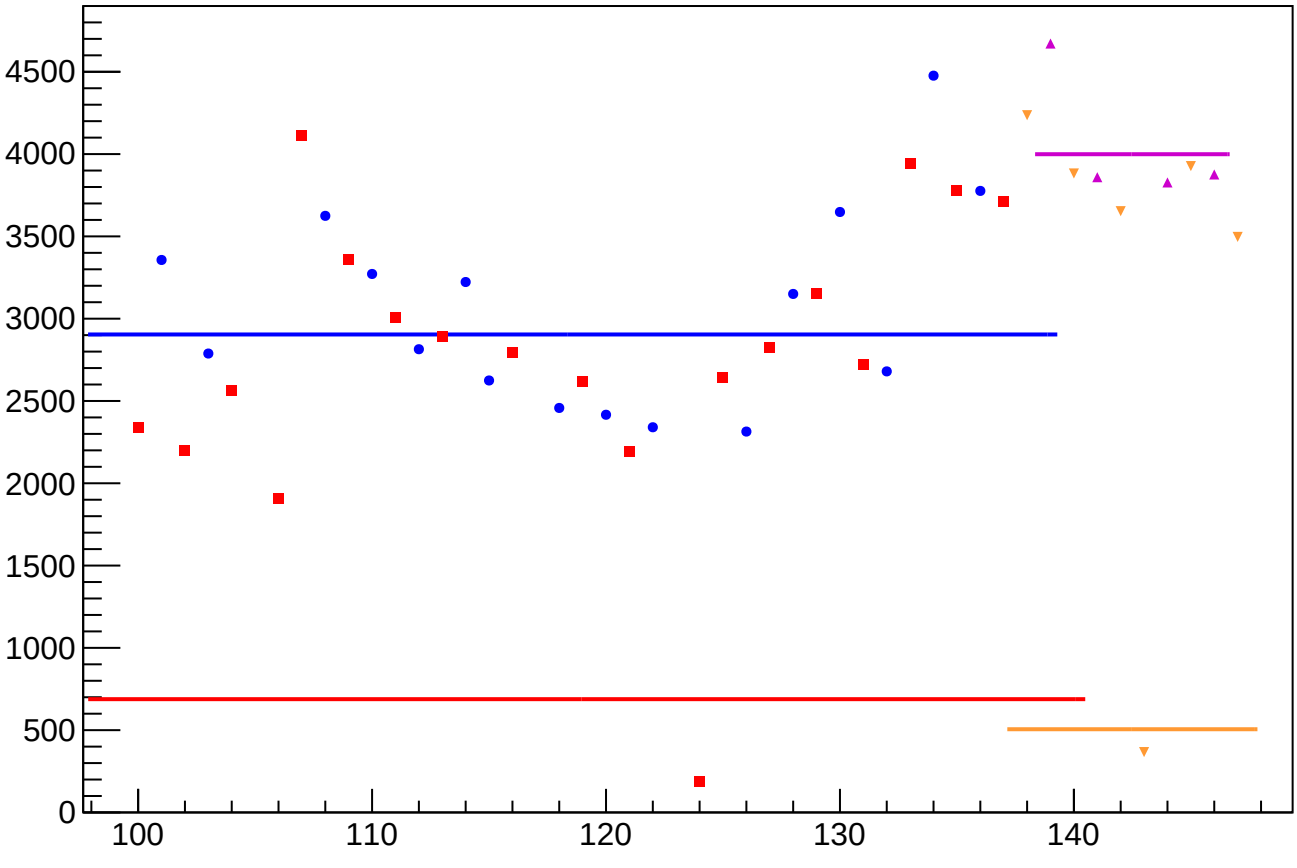
Left: 109.971+/-393.946 χ^2/NDF: 9.8/9

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 348.093+/-979.337 χ^2/NDF:15.8/19

Out: 214.831+/-301.594 χ^2/NDF:28.2/24

All: 226.375+/-288.236 χ^2/NDF: 44.1/44



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 505.605+/-0.283 χ^2/NDF:5757926.1/5

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 3999.243+/-1.515 χ^2/NDF:42603.0/3

Left: 623.770+/-0.279 χ^2/NDF: 10940727.2/9

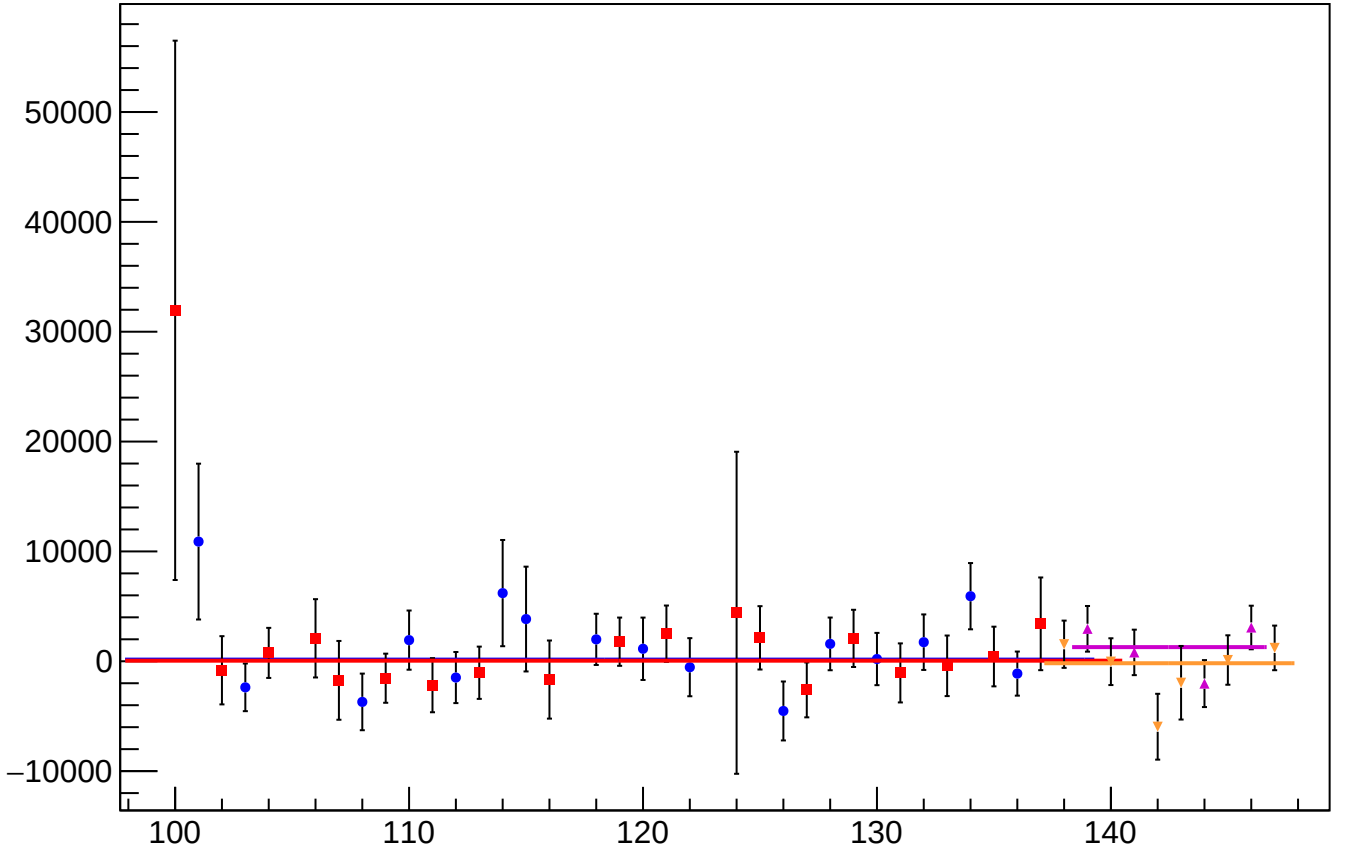
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3132.982+/-0.692 χ^2/NDF:935903.6/19

Out: 584.852+/-0.213 χ^2/NDF:16087129.8/24

All: 805.578+/-0.204 χ^2/NDF: 29389869.8/44

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -179.059+/-963.427 χ^2/NDF:5.1/5

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 1288.369+/-1032.659 χ^2/NDF:3.9/3

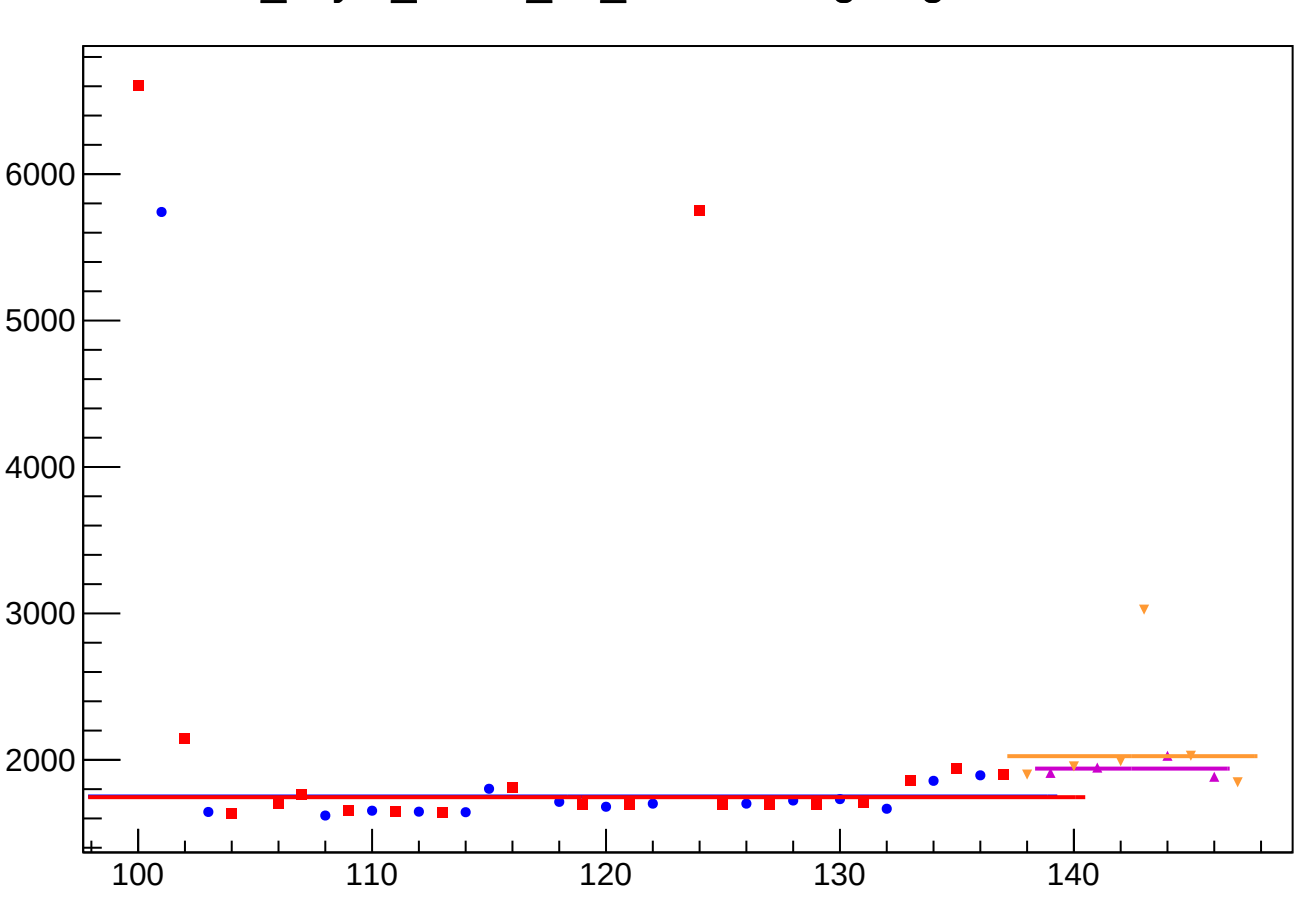
Left: 503.820+/-704.450 χ^2/NDF: 10.1/9

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 485.313+/-560.305 χ^2/NDF:22.4/19

Out: -19.604+/-541.821 χ^2/NDF:14.1/24

All: 224.389+/-389.496 χ^2/NDF: 37.0/44



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2025.225+/-0.681 χ^2/NDF:203209.3/5

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

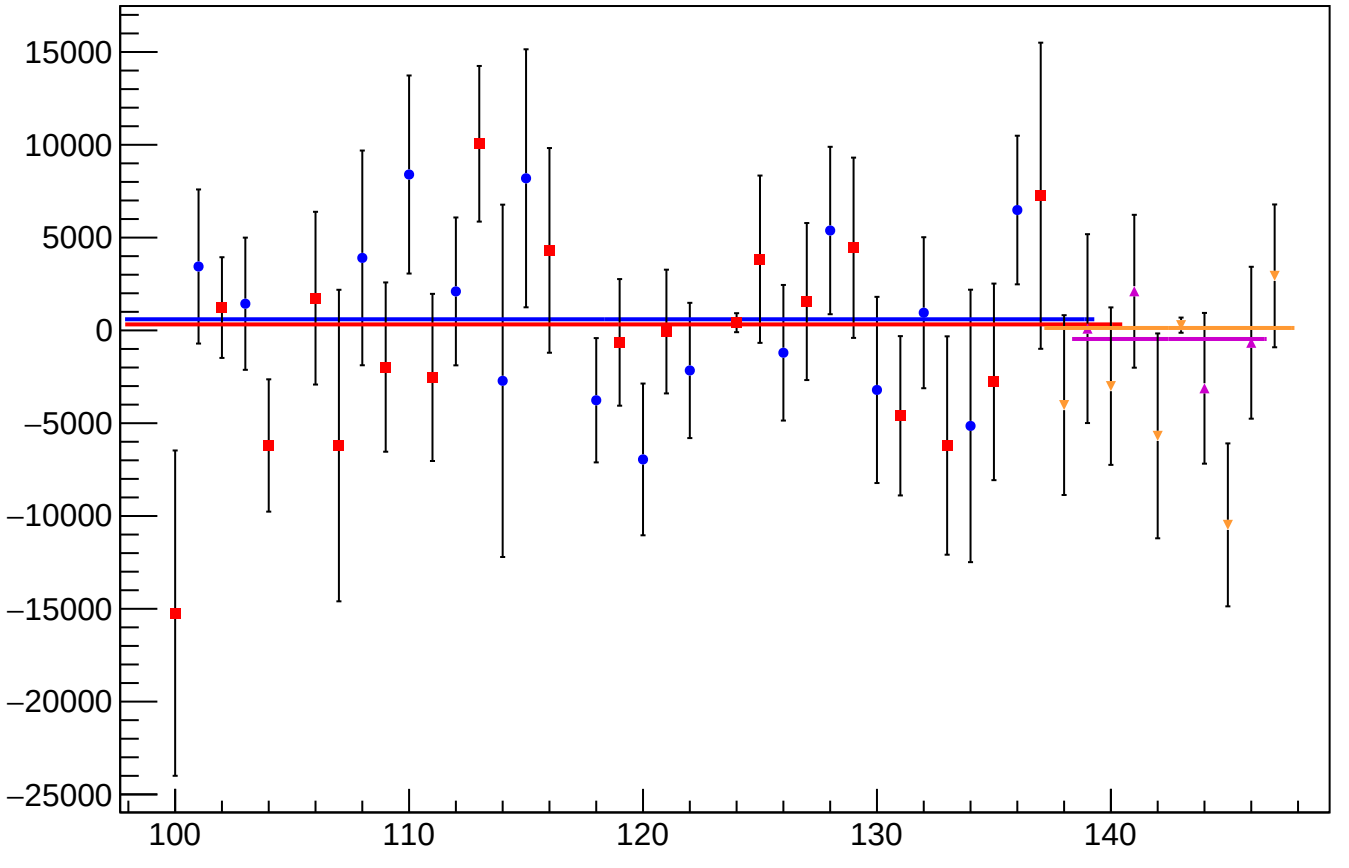
Left: 1985.727+/-0.498 χ^2/NDF: 215785.0/9

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1805.942+/-0.396 χ^2/NDF:722944.9/19

Out: 1833.306+/-0.382 χ^2/NDF:616992.8/24

All: 1820.118+/-0.275 χ^2/NDF: 1342408.8/44



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 130.999+/-400.817 χ^2/NDF:8.9/5

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -462.655+/-2142.052 χ^2/NDF:0.8/3

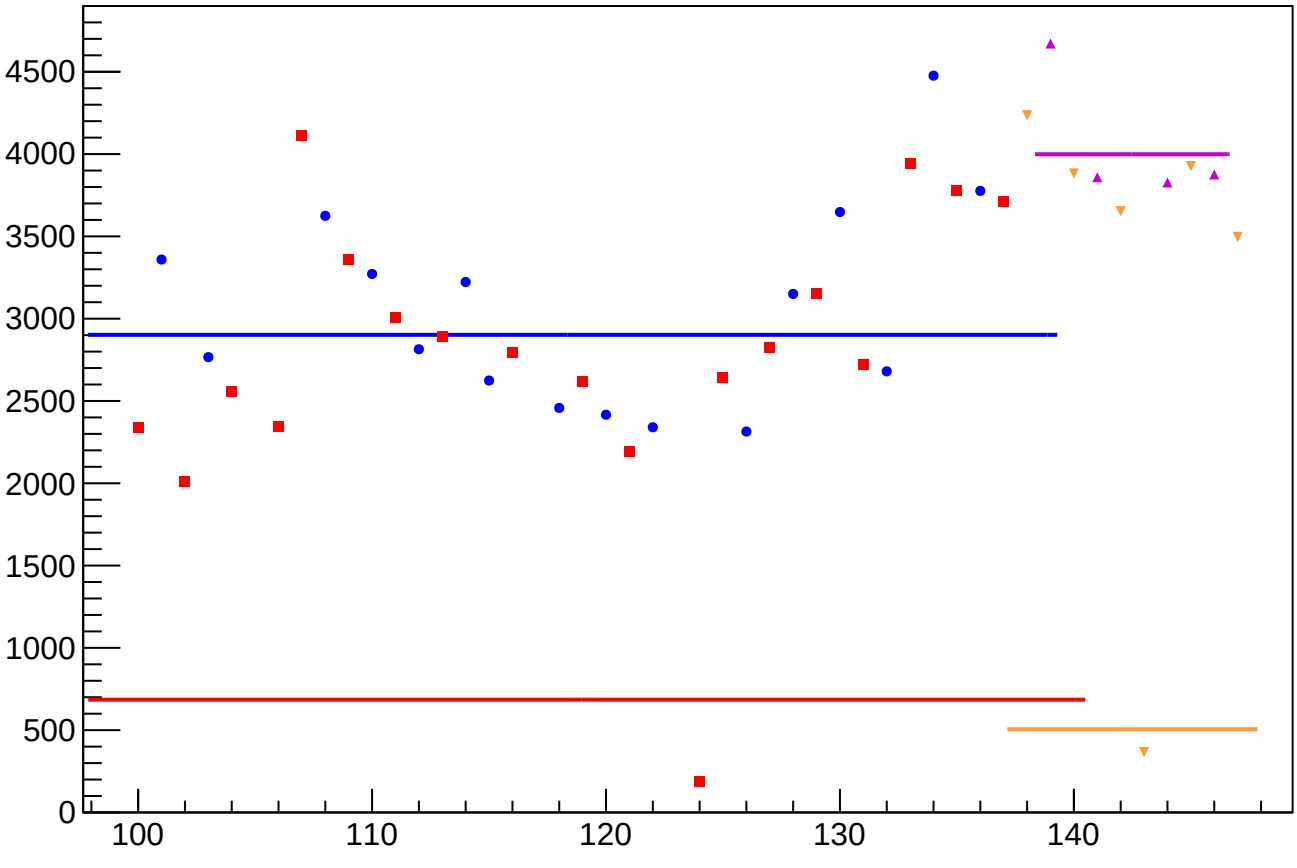
Left: 110.916+/-393.979 χ^2/NDF: 9.8/9

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 378.366+/-978.607 χ^2/NDF:15.9/19

Out: 214.165+/-301.869 χ^2/NDF:28.0/24

All: 228.432+/-288.457 χ^2/NDF: 43.9/44



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 505.668+/-0.283 χ^2/NDF:5757753.9/5

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3999.231+/-1.515 χ^2/NDF:42602.2/3

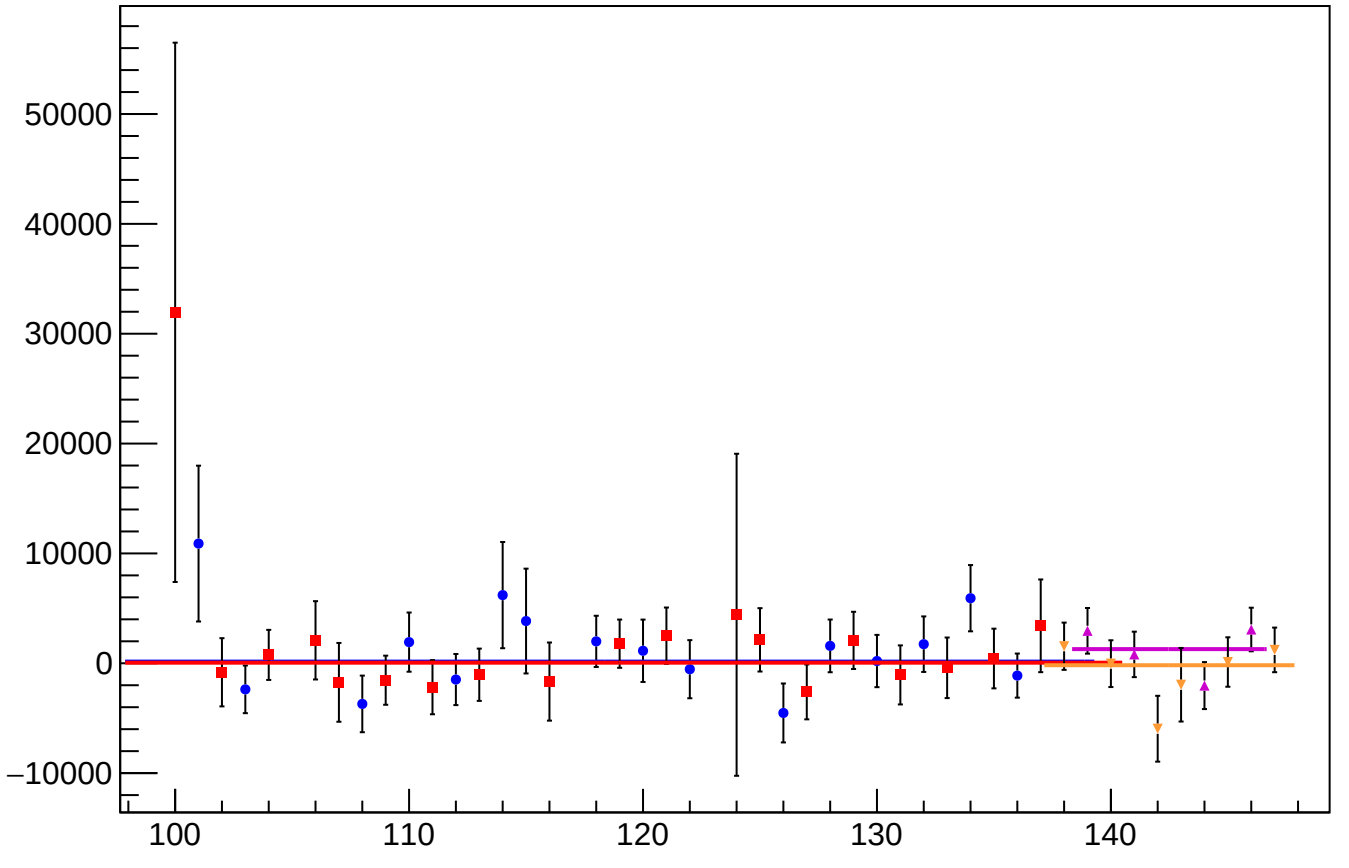
Left: 623.851+/-0.279 χ^2/NDF: 10940334.7/9

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3130.900+/-0.692 χ^2/NDF:938880.7/19

Out: 583.391+/-0.213 χ^2/NDF:16037319.6/24

All: 804.733+/-0.204 χ^2/NDF: 29351910.6/44



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: -179.059+/-963.427 χ^2/NDF:5.1/5

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 1288.369+/-1032.659 χ^2/NDF:3.9/3

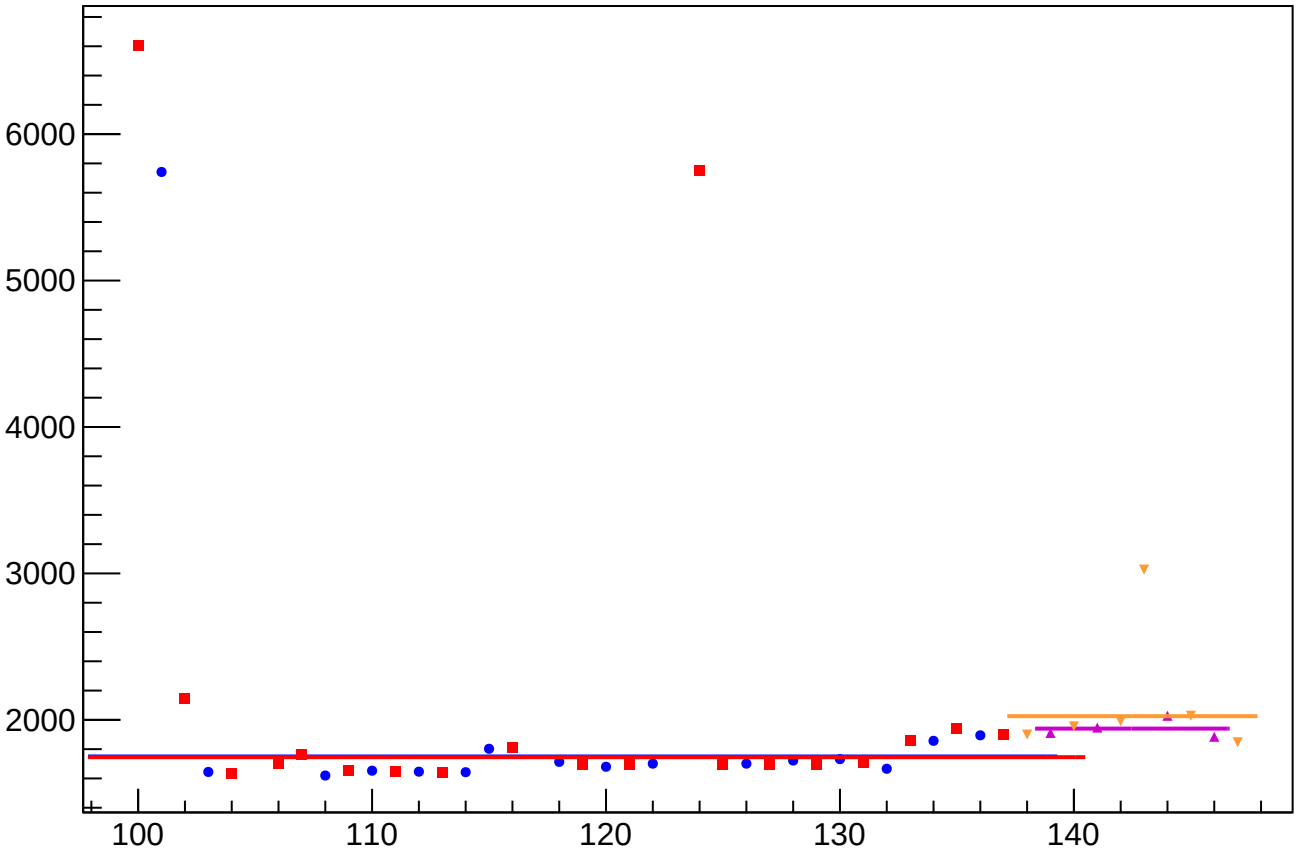
Left: 503.820+/-704.450 χ^2/NDF: 10.1/9

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 485.313+/-560.305 χ^2/NDF:22.4/19

Out: -19.604+/-541.821 χ^2/NDF:14.1/24

All: 224.389+/-389.496 χ^2/NDF: 37.0/44



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 2025.225+/-0.681 χ^2/NDF:203209.3/5

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1940.348+/-0.730 χ^2/NDF:5352.0/3

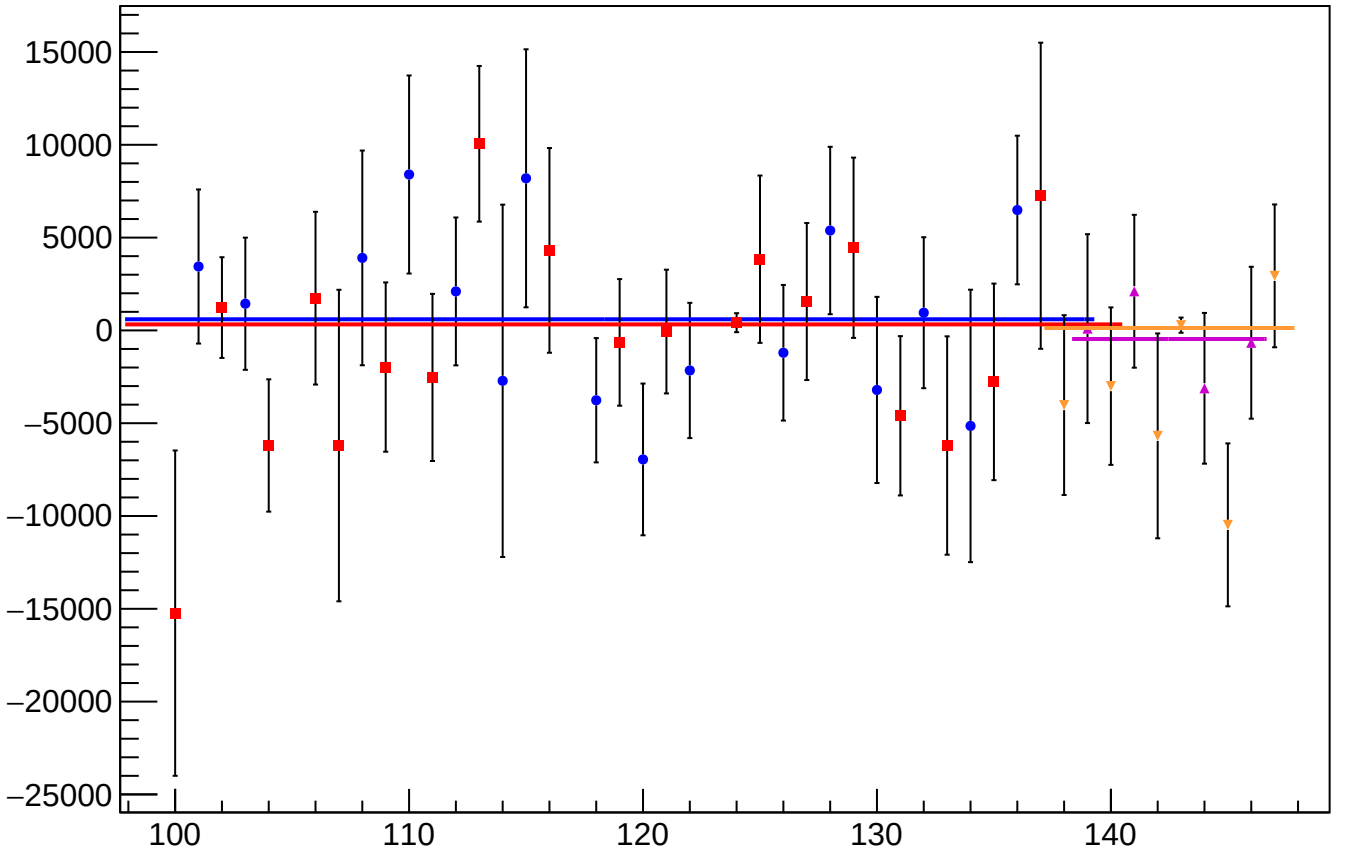
Left: 1985.727+/-0.498 χ^2/NDF: 215785.0/9

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1805.942+/-0.396 χ^2/NDF:722944.9/19

Out: 1833.306+/-0.382 χ^2/NDF:616992.8/24

All: 1820.118+/-0.275 χ^2/NDF: 1342408.8/44



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 130.999+/-400.817 χ^2/NDF:8.9/5

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -462.655+/-2142.052 χ^2/NDF:0.8/3

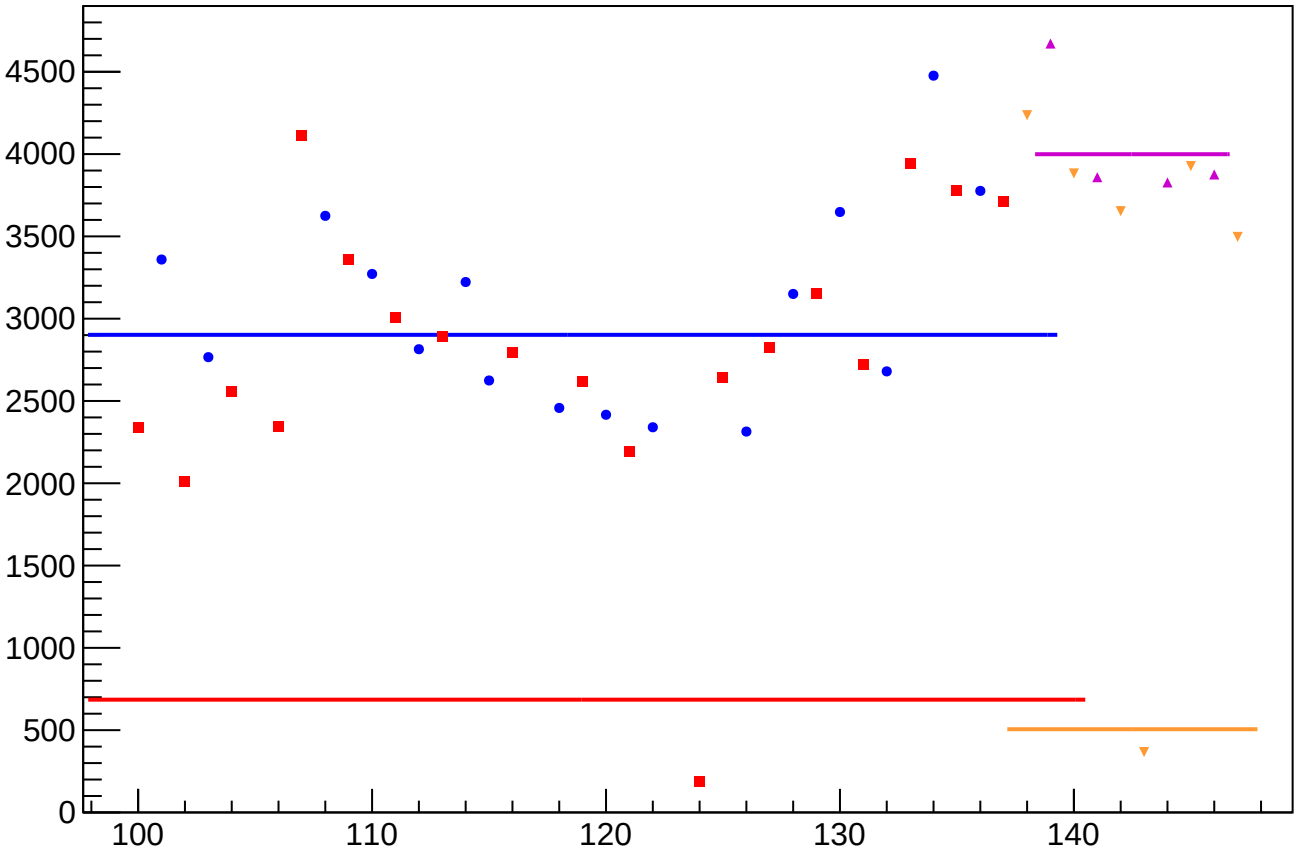
Left: 110.916+/-393.979 χ^2/NDF: 9.8/9

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 378.366+/-978.607 χ^2/NDF:15.9/19

Out: 214.165+/-301.869 χ^2/NDF:28.0/24

All: 228.432+/-288.457 χ^2/NDF: 43.9/44



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 505.668+/-0.283 χ^2/NDF:5757753.9/5

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3999.231+/-1.515 χ^2/NDF:42602.2/3

Left: 623.851+/-0.279 χ^2/NDF: 10940334.7/9

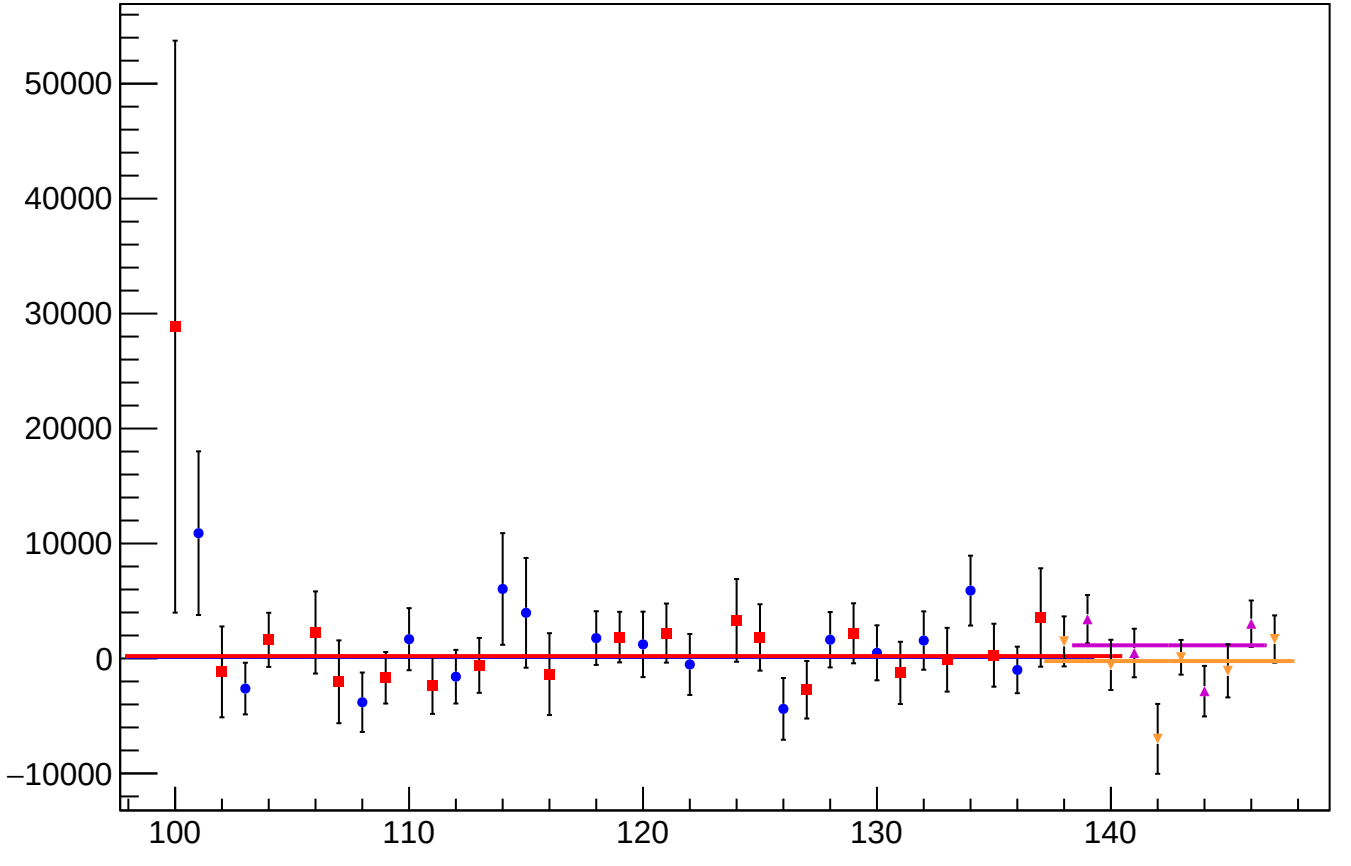
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3130.900+/-0.692 χ^2/NDF:938880.7/19

Out: 583.391+/-0.213 χ^2/NDF:16037319.6/24

All: 804.733+/-0.204 χ^2/NDF: 29351910.6/44

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: -225.812+/-847.540 χ^2/NDF:6.7/5

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 1142.893+/-1052.083 χ^2/NDF:5.4/3

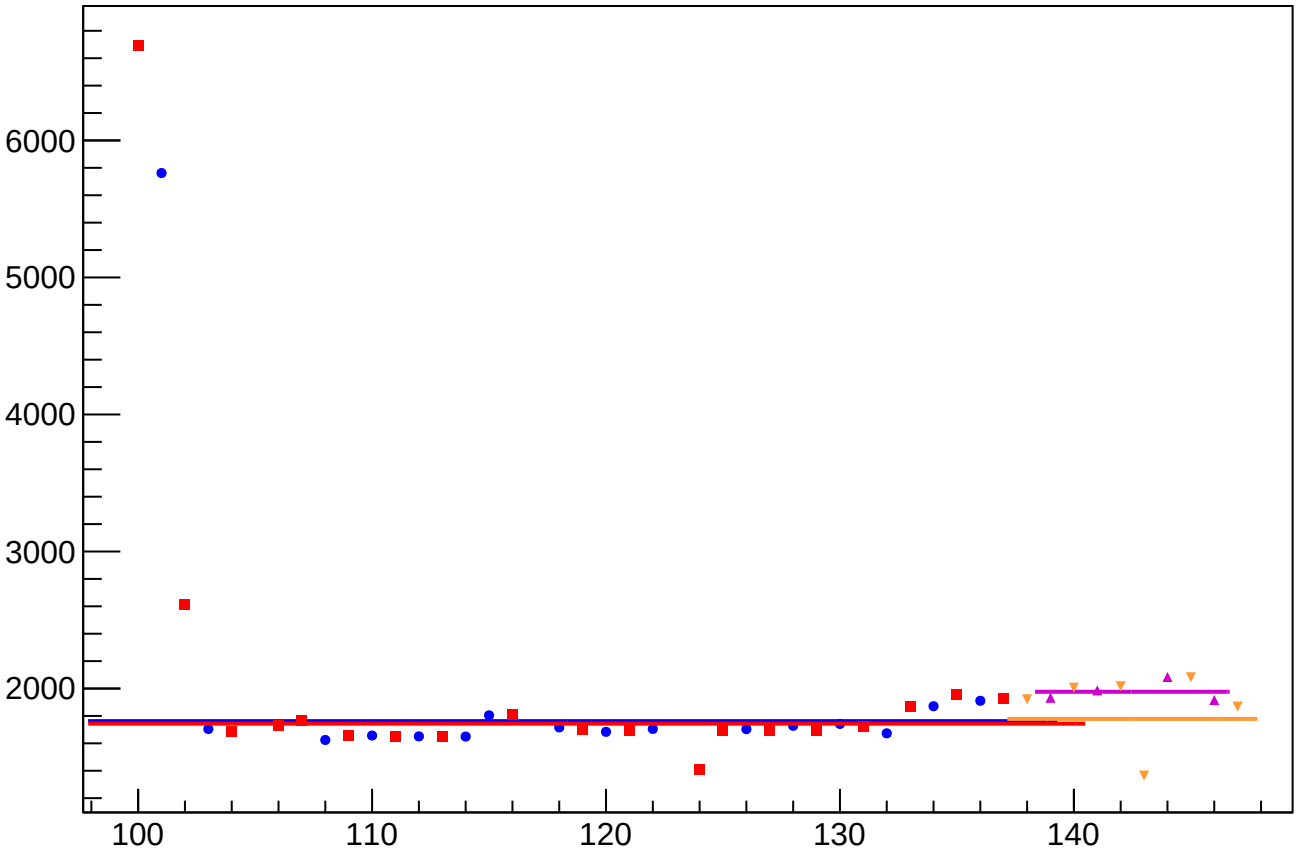
Left: 312.853+/-660.016 χ^2/NDF: 13.1/9

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 425.990+/-566.105 χ^2/NDF:23.4/19

Out: 44.344+/-517.992 χ^2/NDF:16.5/24

All: 218.263+/-382.155 χ^2/NDF: 40.1/44



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1778.417+/-0.599 χ^2/NDF:231335.0/5

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1976.384+/-0.744 χ^2/NDF:7488.2/3

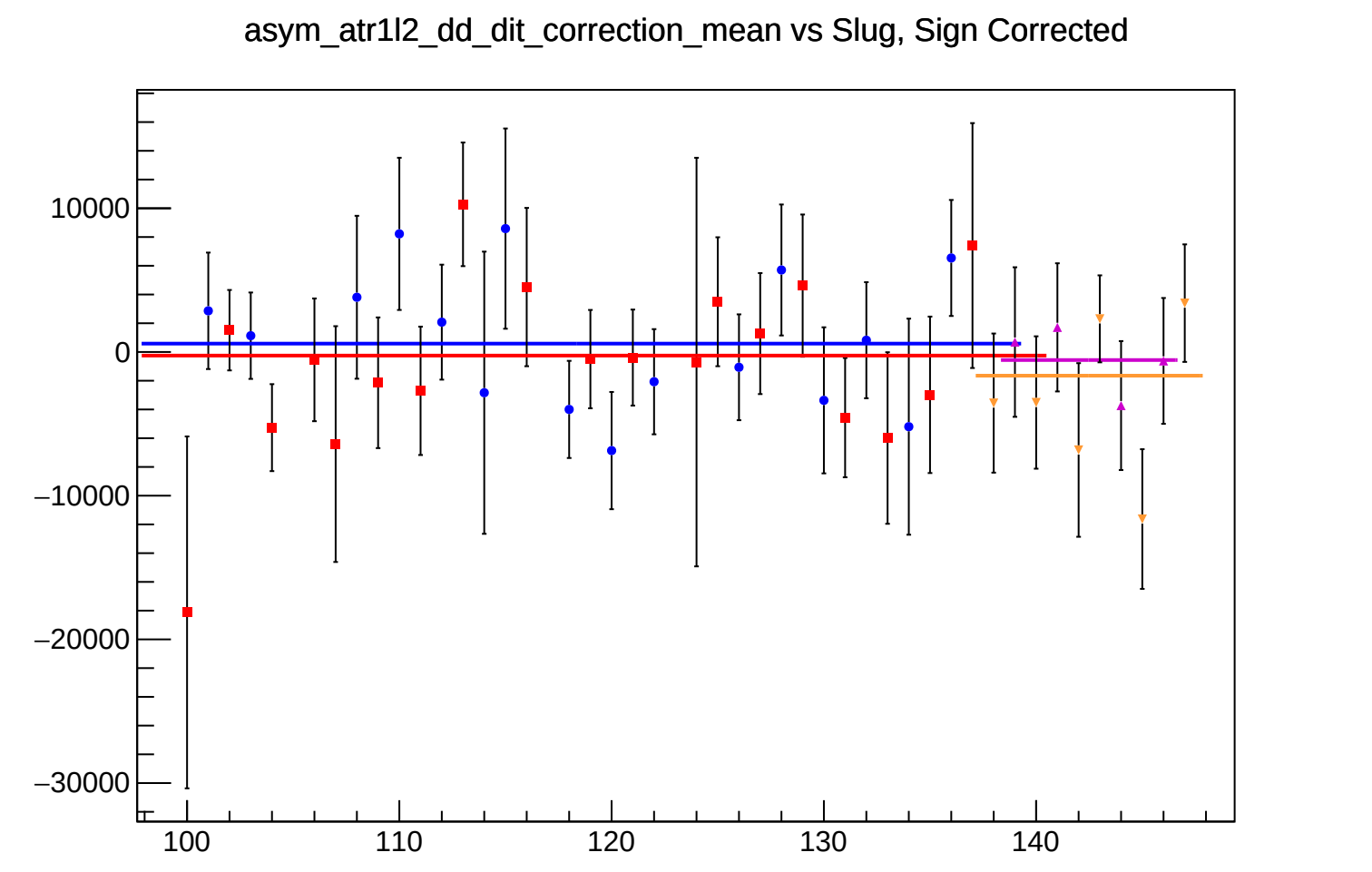
Left: 1856.329+/-0.467 χ^2/NDF: 281767.2/9

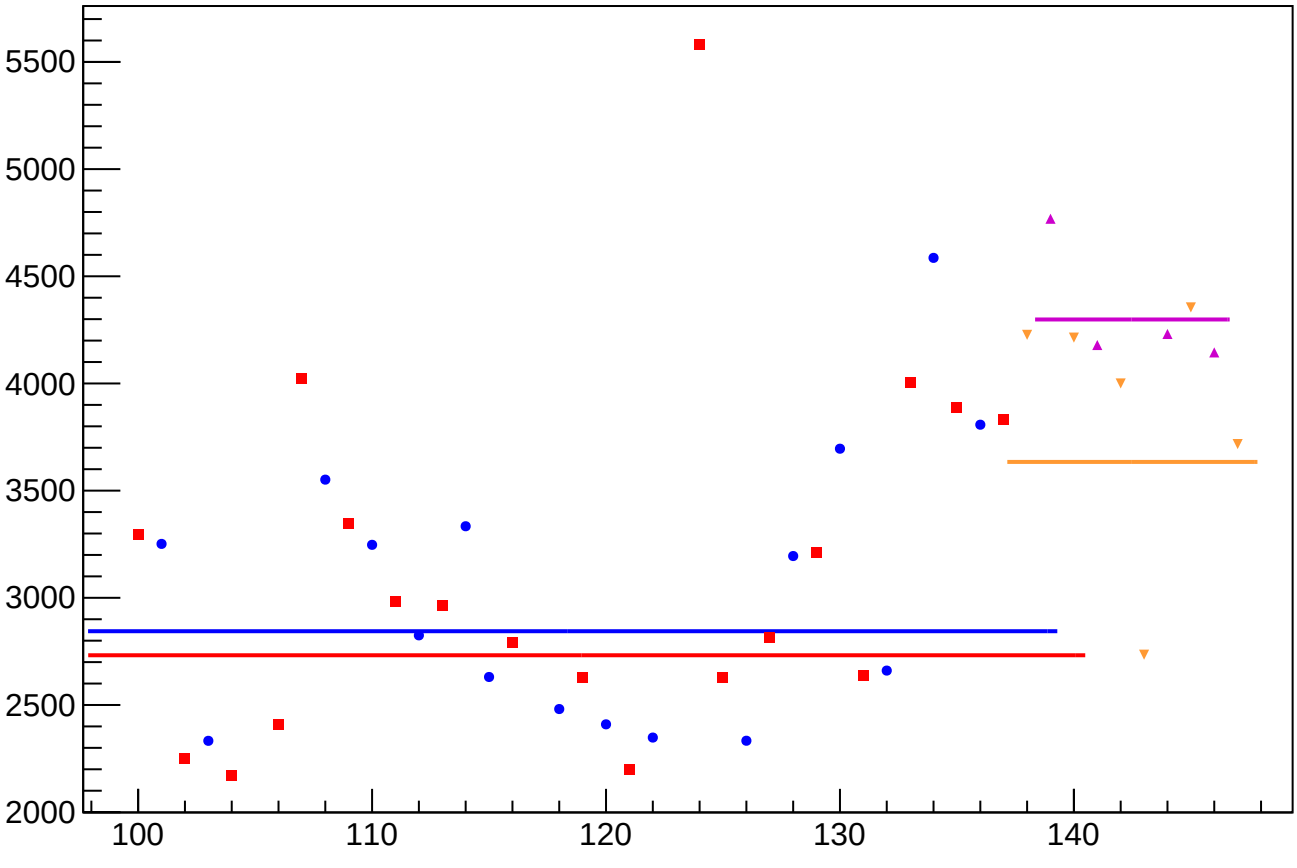
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1824.107+/-0.400 χ^2/NDF:734157.4/19

Out: 1756.636+/-0.366 χ^2/NDF:461201.1/24

All: 1787.322+/-0.270 χ^2/NDF: 1210847.6/44


asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
Right In: 582.223+/-1081.481 χ²/NDF: 14.9/15
Left Out: -1648.872+/-1744.799 χ²/NDF:8.5/5
Right Out: -250.224+/-1021.012 χ²/NDF: 17.9/18
Left In: -560.433+/-2300.033 χ²/NDF:0.8/3
Left: -1251.299+/-1390.082 χ²/NDF: 9.5/9
Right: 142.078+/-742.422 χ²/NDF: 33.1/34
In: 375.334+/-978.690 χ²/NDF:15.9/19
Out: -606.994+/-881.222 χ²/NDF:26.9/24
All: -167.167+/-654.874 χ²/NDF: 43.3/44



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3633.970+/-1.234 χ^2/NDF:290448.7/5

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4298.505+/-1.626 χ^2/NDF:20656.4/3

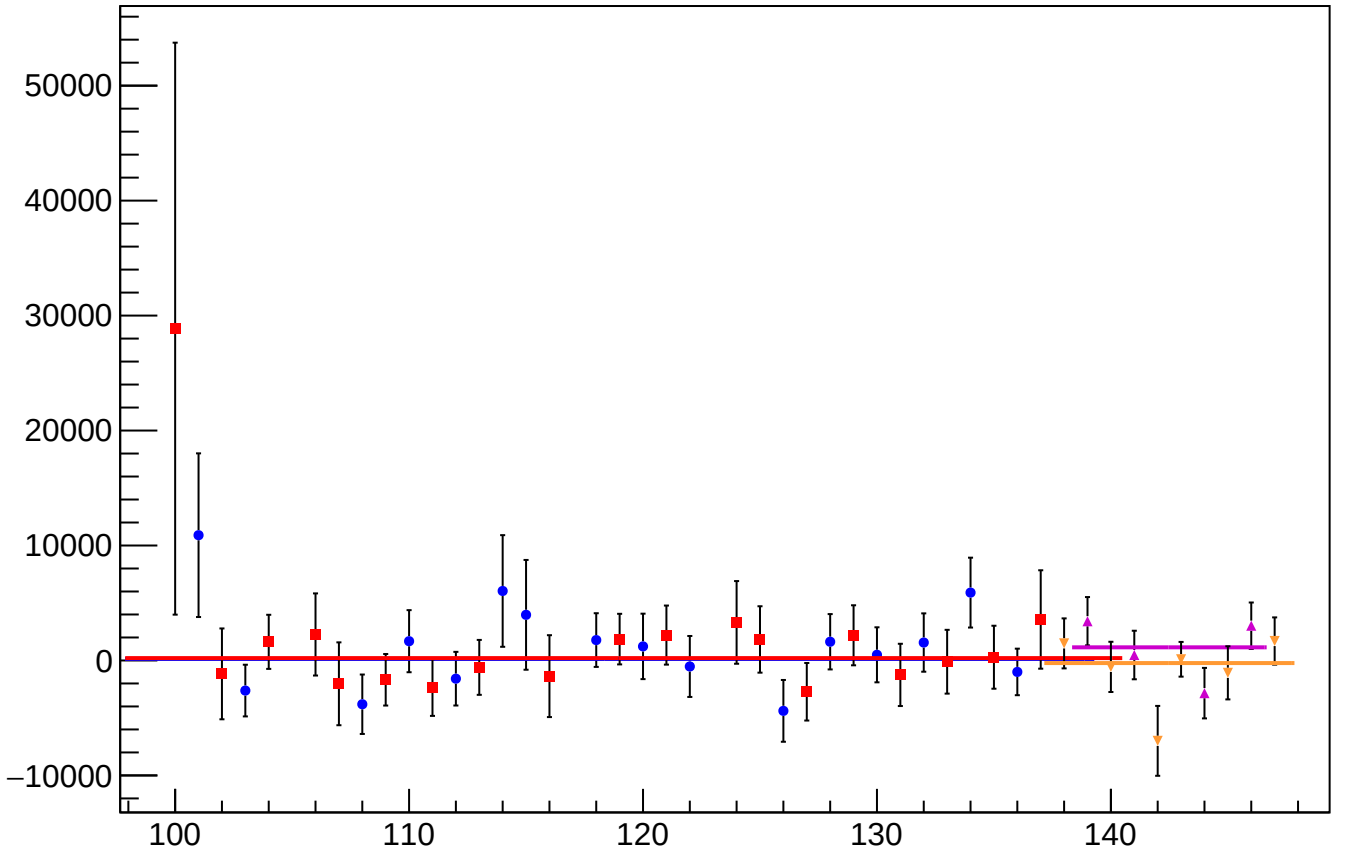
Left: 3876.704+/-0.983 χ^2/NDF: 417076.2/9

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3107.477+/-0.692 χ^2/NDF:1217556.1/19

Out: 2962.059+/-0.623 χ^2/NDF:1299879.9/24

All: 3027.169+/-0.463 χ^2/NDF: 2541820.7/44



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: -225.821+/-847.540 χ^2/NDF:6.7/5

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 1142.888+/-1052.084 χ^2/NDF:5.4/3

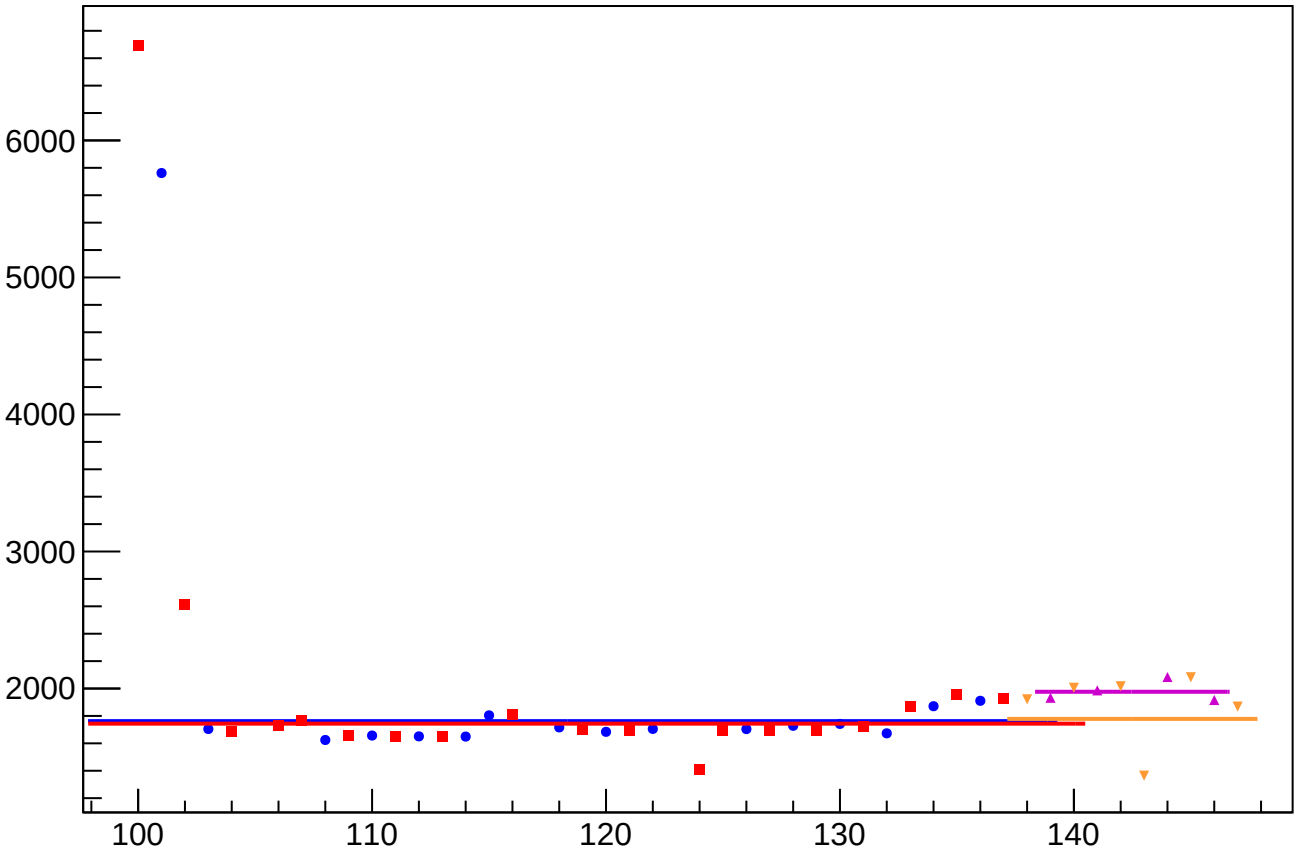
Left: 312.846+/-660.017 χ^2/NDF: 13.1/9

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 425.987+/-566.105 χ^2/NDF:23.4/19

Out: 44.340+/-517.992 χ^2/NDF:16.5/24

All: 218.259+/-382.155 χ^2/NDF: 40.1/44



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1778.418+/-0.599 χ^2/NDF:231335.9/5

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1976.385+/-0.744 χ^2/NDF:7488.3/3

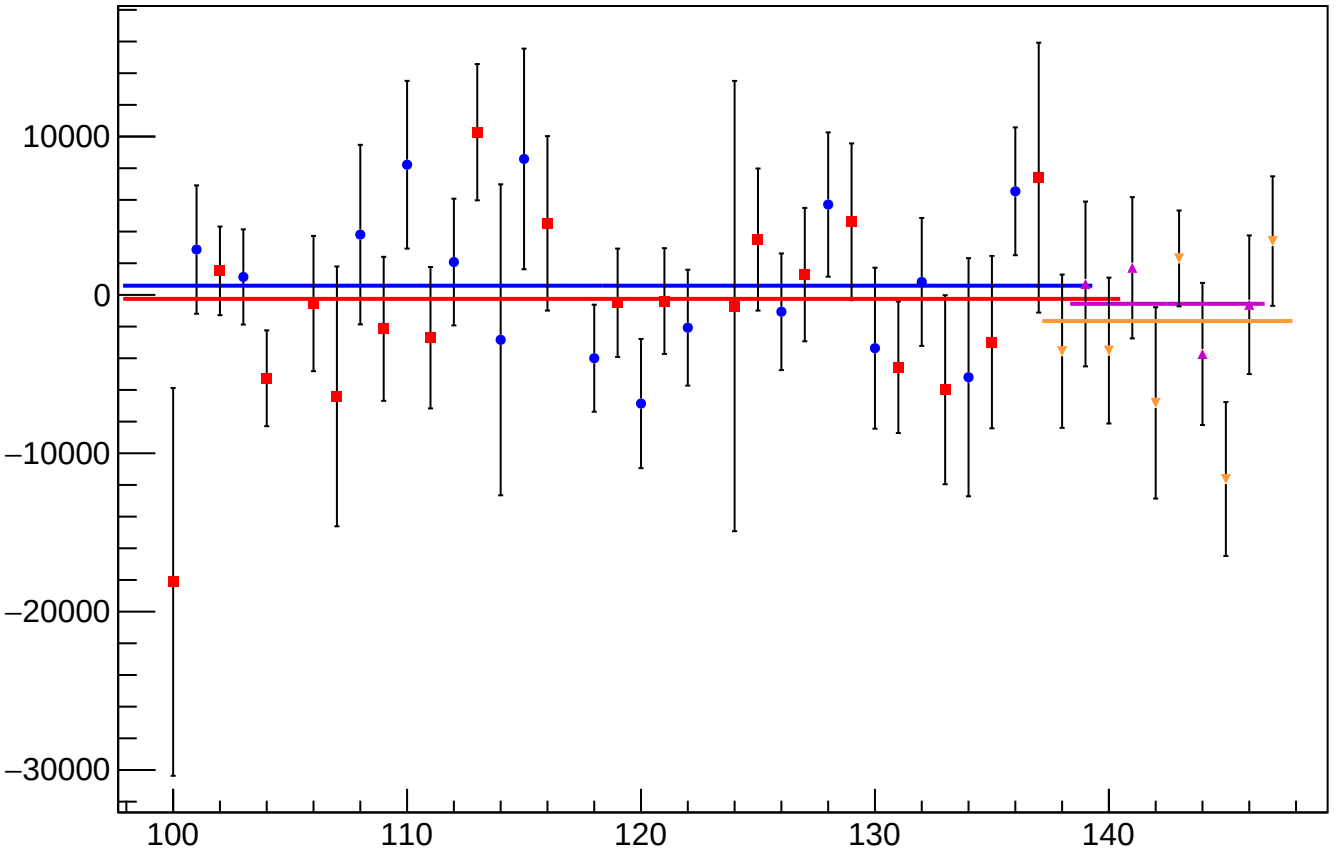
Left: 1856.329+/-0.467 χ^2/NDF: 281768.4/9

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1824.108+/-0.400 χ^2/NDF:734158.0/19

Out: 1756.636+/-0.366 χ^2/NDF:461202.1/24

All: 1787.323+/-0.270 χ^2/NDF: 1210849.3/44



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -1648.870+/-1744.802 χ^2/NDF:8.5/5

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -560.434+/-2300.038 χ^2/NDF:0.8/3

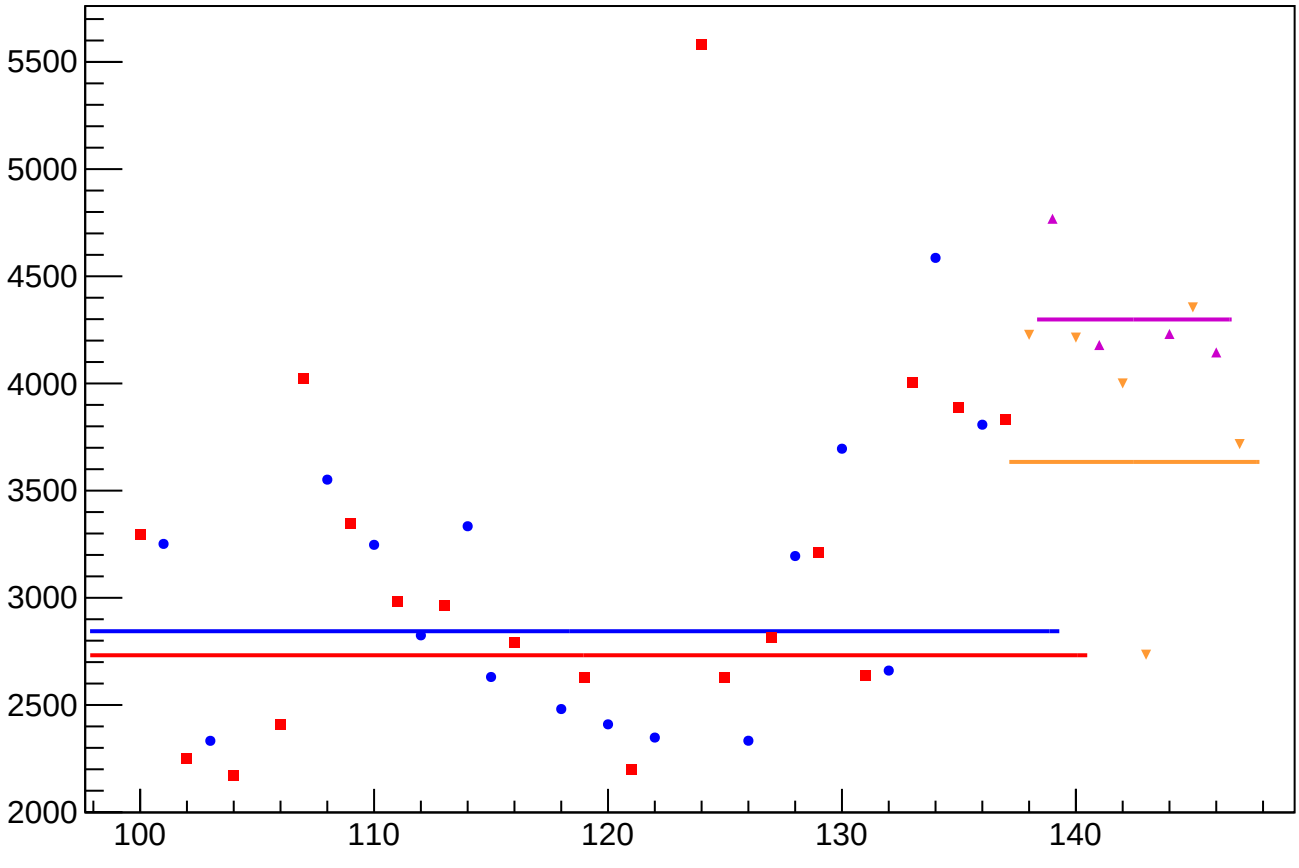
Left: -1251.299+/-1390.084 χ^2/NDF: 9.5/9

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 375.332+/-978.688 χ^2/NDF:15.9/19

Out: -606.992+/-881.221 χ^2/NDF:26.9/24

All: -167.167+/-654.873 χ^2/NDF: 43.3/44



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3633.974+/-1.234 χ^2/NDF:290452.6/5

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4298.514+/-1.626 χ^2/NDF:20657.1/3

Left: 3876.709+/-0.983 χ^2/NDF: 417081.9/9

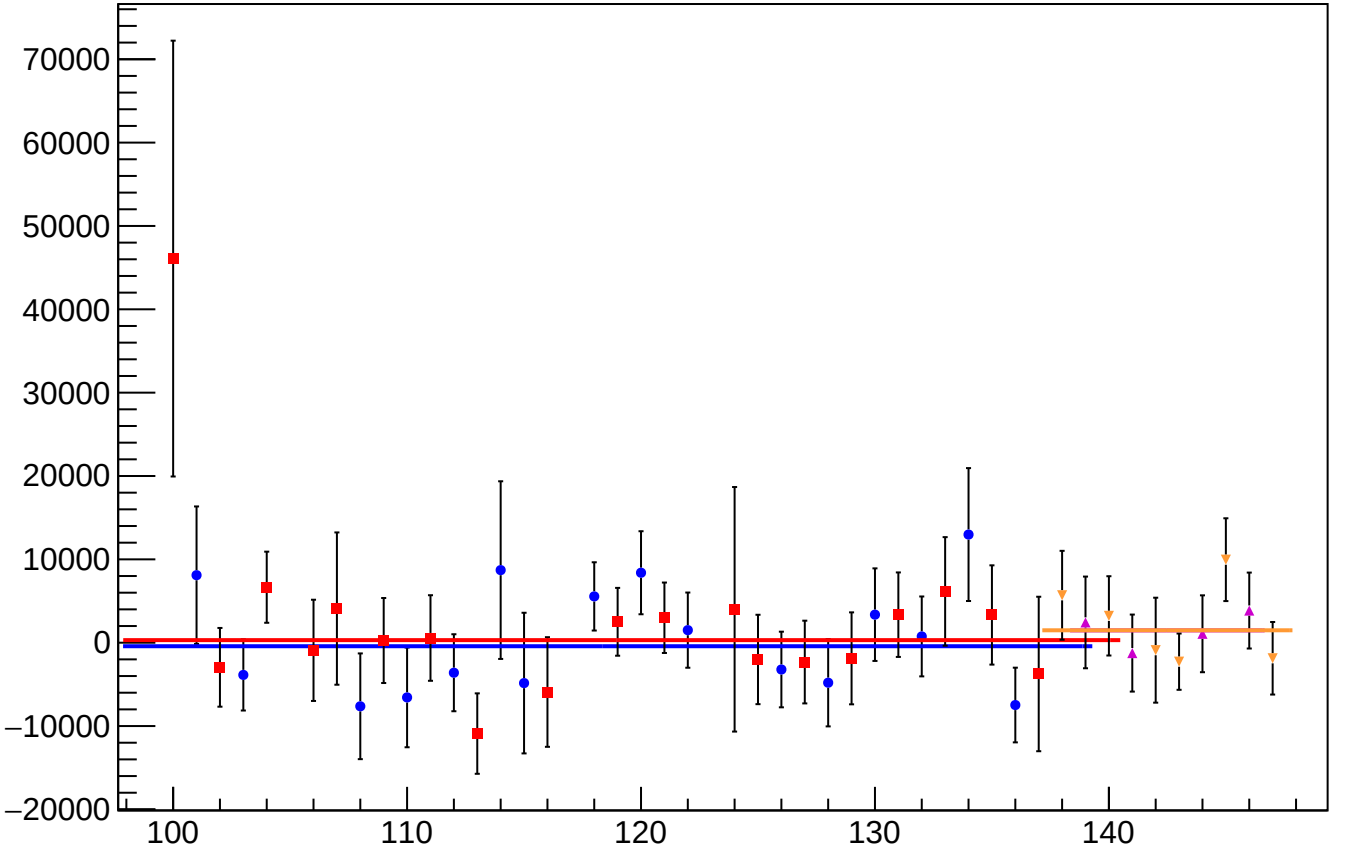
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3107.470+/-0.692 χ^2/NDF:1217573.7/19

Out: 2962.055+/-0.623 χ^2/NDF:1299889.4/24

All: 3027.163+/-0.463 χ^2/NDF: 2541847.2/44

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1488.611+/-1870.951 χ^2/NDF:5.6/5

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1475.200+/-2389.780 χ^2/NDF:0.7/3

Left: 1483.514+/-1473.177 χ^2/NDF: 6.3/9

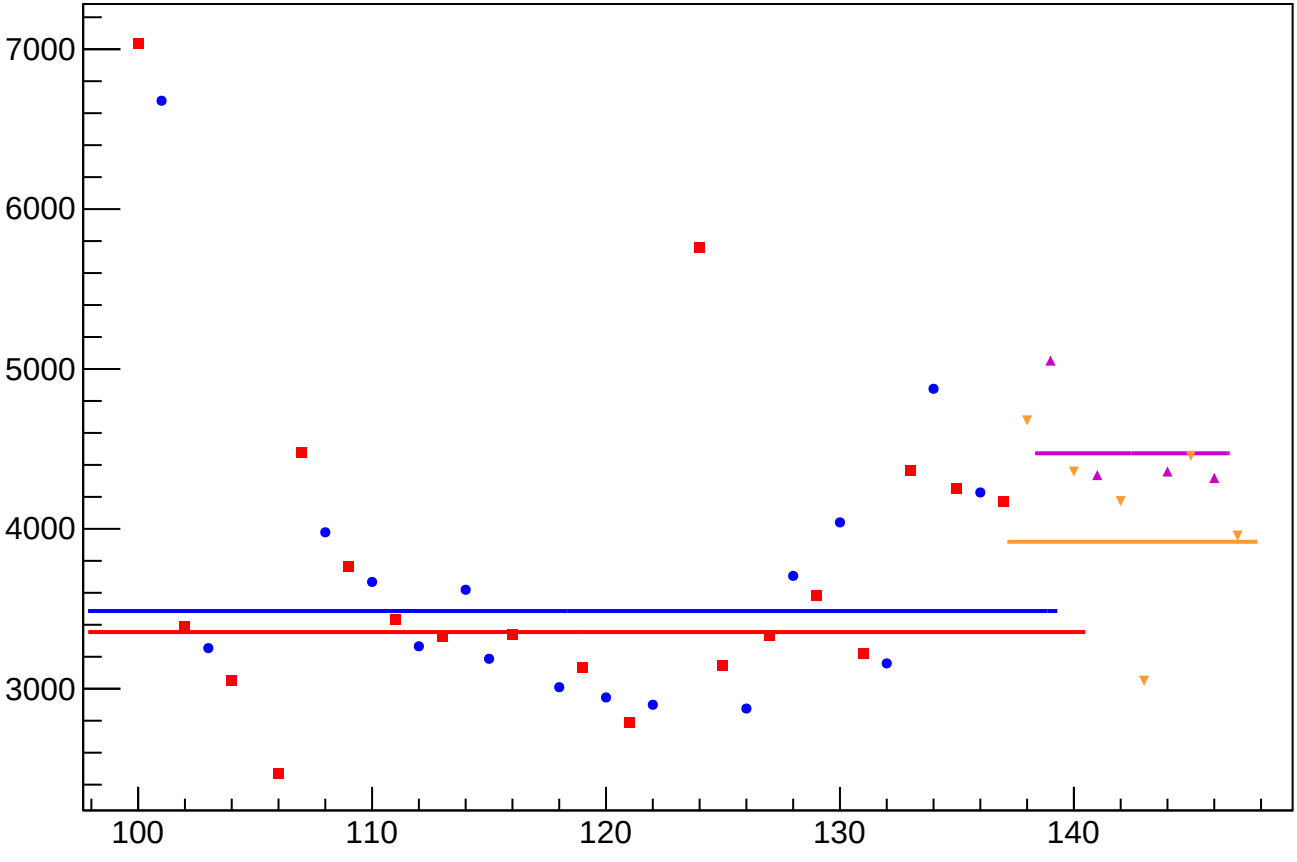
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 24.384+/-1160.314 χ^2/NDF:19.0/19

Out: 682.572+/-1054.015 χ^2/NDF:21.2/24

All: 385.002+/-780.181 χ^2/NDF: 40.4/44

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3919.272+/-1.323 χ^2/NDF:217059.5/5

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4472.727+/-1.690 χ^2/NDF:27461.0/3

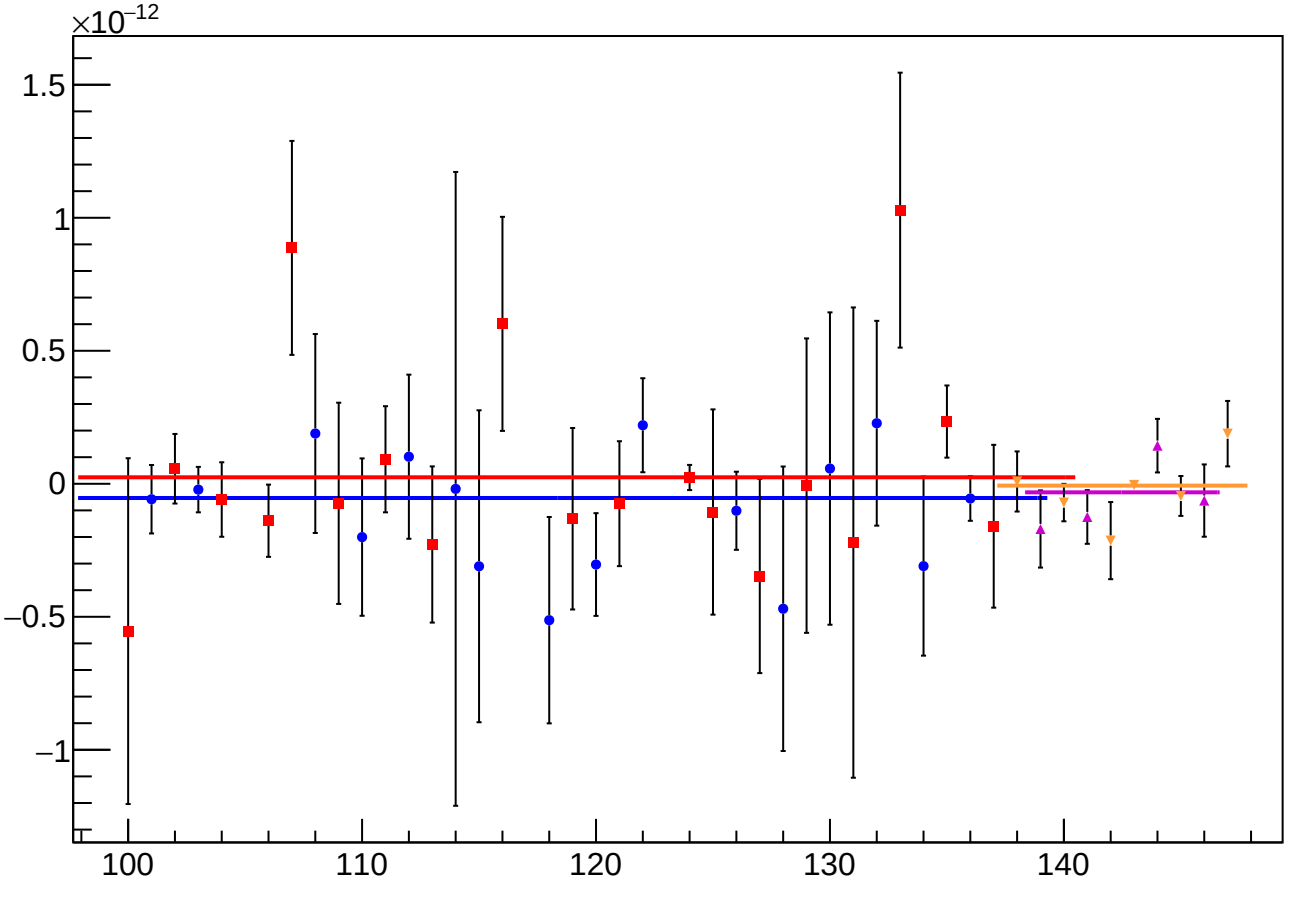
Left: 4129.590+/-1.042 χ^2/NDF: 311027.0/9

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3718.739+/-0.820 χ^2/NDF:883748.6/19

Out: 3530.274+/-0.738 χ^2/NDF:719025.8/24

All: 3614.583+/-0.549 χ^2/NDF: 1631935.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/3

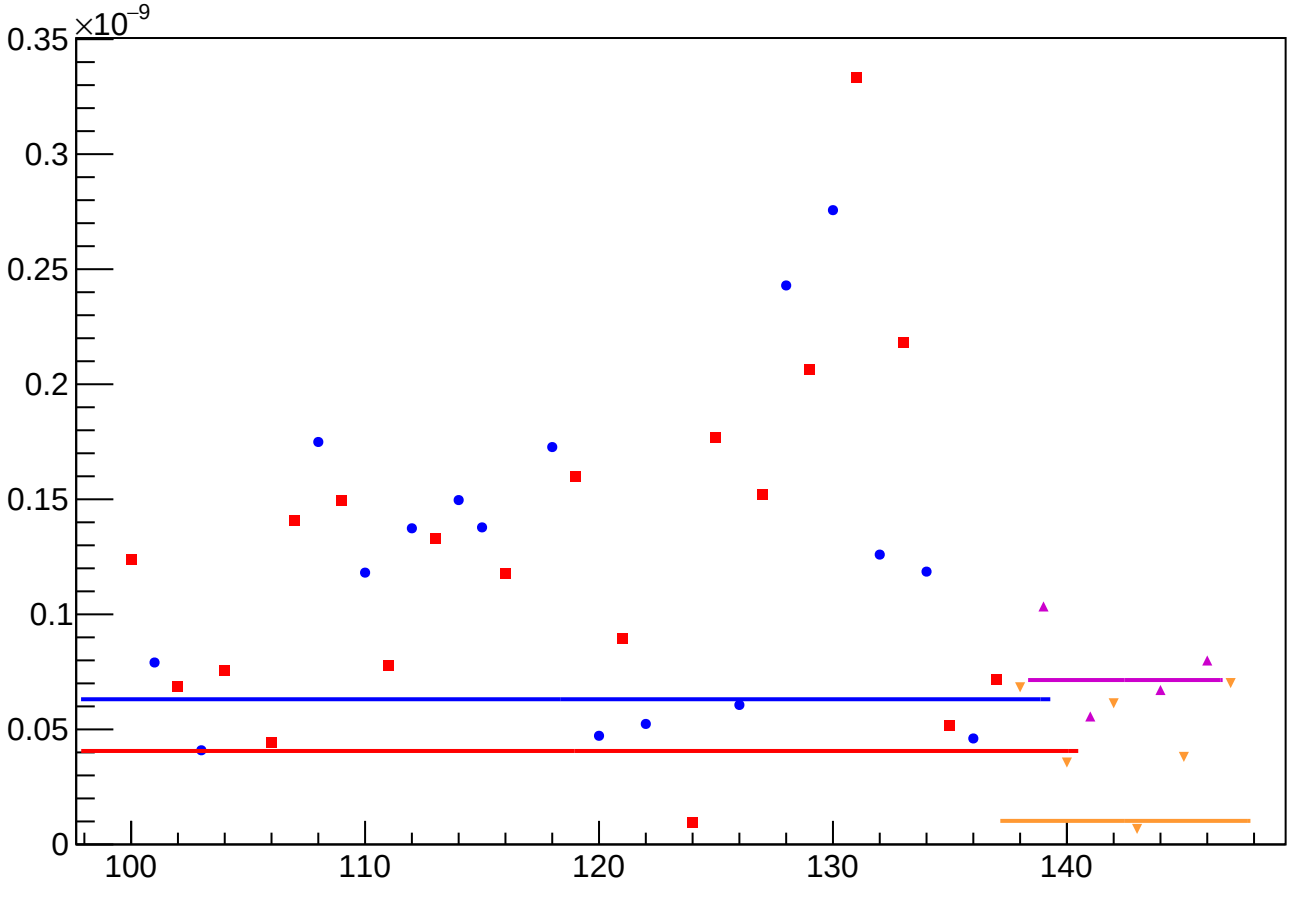
Left: -0.000+/-0.000 χ^2/NDF: 10.7/9

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:13.5/19

Out: -0.000+/-0.000 χ^2/NDF:24.8/24

All: -0.000+/-0.000 χ^2/NDF: 39.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1931857.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:157777.7/3

Left: 0.000+/-0.000 χ^2/NDF: 4227230.7/9

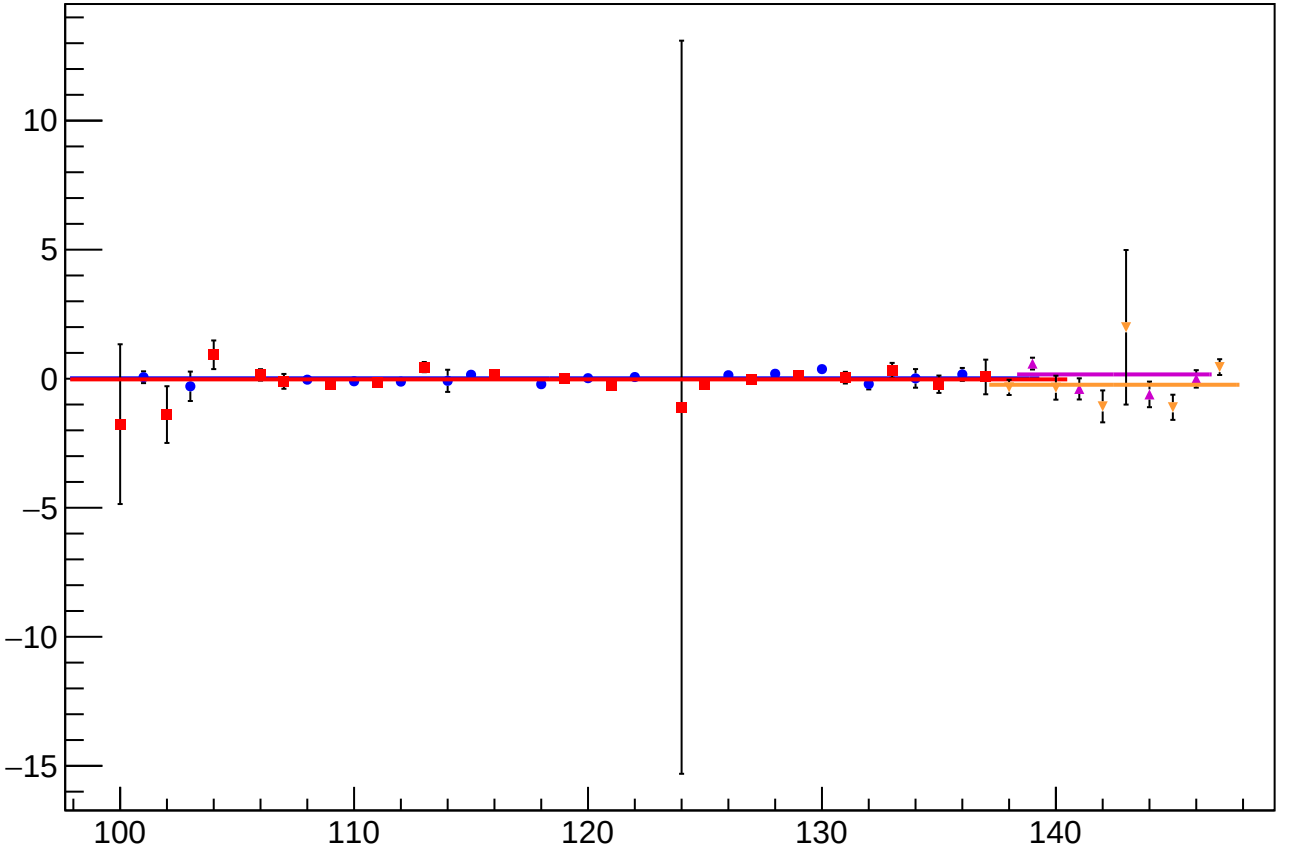
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1615956.3/19

Out: 0.000+/-0.000 χ^2/NDF:6396103.3/24

All: 0.000+/-0.000 χ^2/NDF: 12041061.2/44

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: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.166+/-0.162 χ^2/NDF:7.9/3

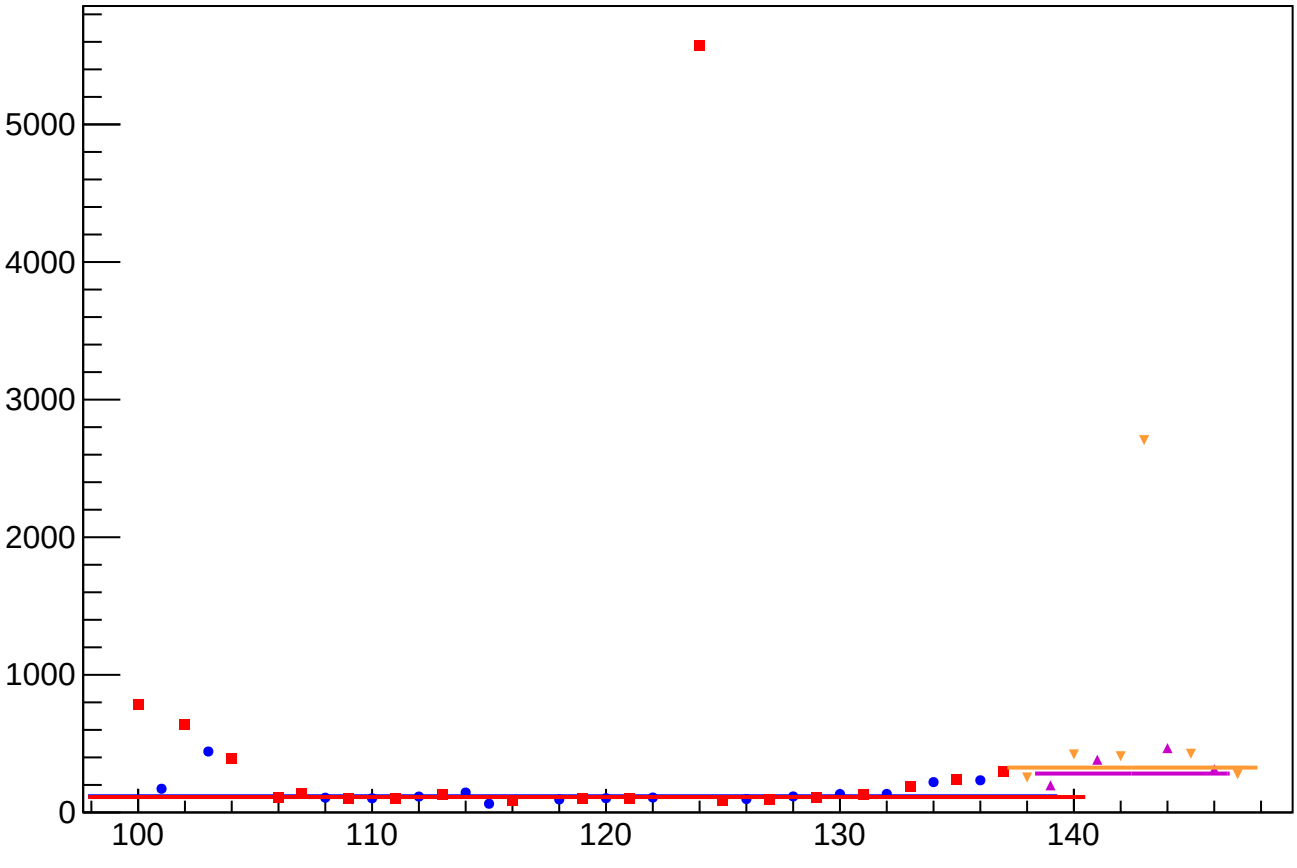
Left: -0.022+/-0.118 χ^2/NDF: 21.6/9

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.046 χ^2/NDF:20.5/19

Out: -0.040+/-0.045 χ^2/NDF:34.2/24

All: -0.007+/-0.032 χ^2/NDF: 55.9/44



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 326.032+/-0.122 χ^2/NDF:1637316.6/5

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 282.669+/-0.115 χ^2/NDF:695492.5/3

Left: 303.103+/-0.084 χ^2/NDF: 2399928.1/9

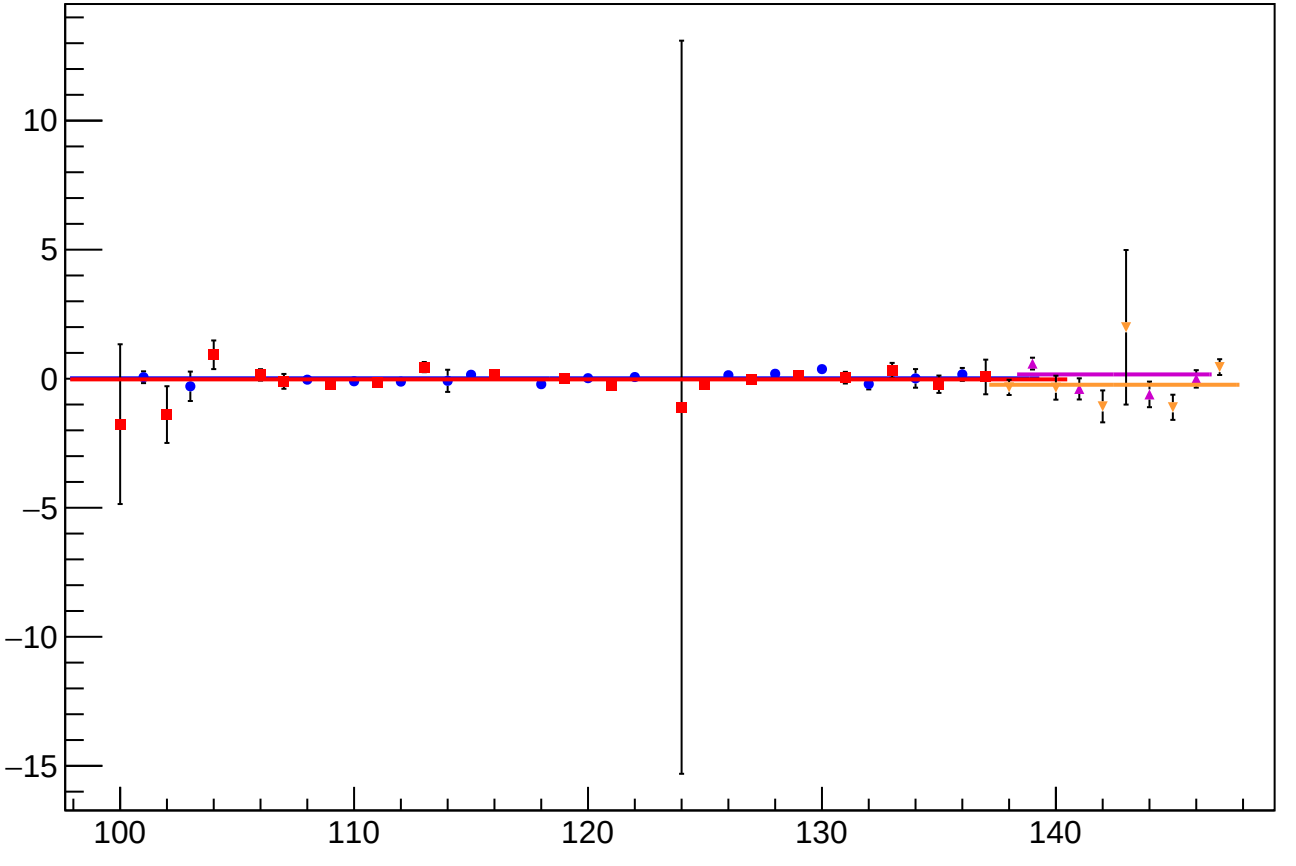
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 130.839+/-0.032 χ^2/NDF:4315742.7/19

Out: 126.874+/-0.032 χ^2/NDF:6699578.0/24

All: 128.825+/-0.023 χ^2/NDF: 11022891.5/44

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: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.166+/-0.162 χ^2/NDF:7.9/3

Left: -0.022+/-0.118 χ^2/NDF: 21.6/9

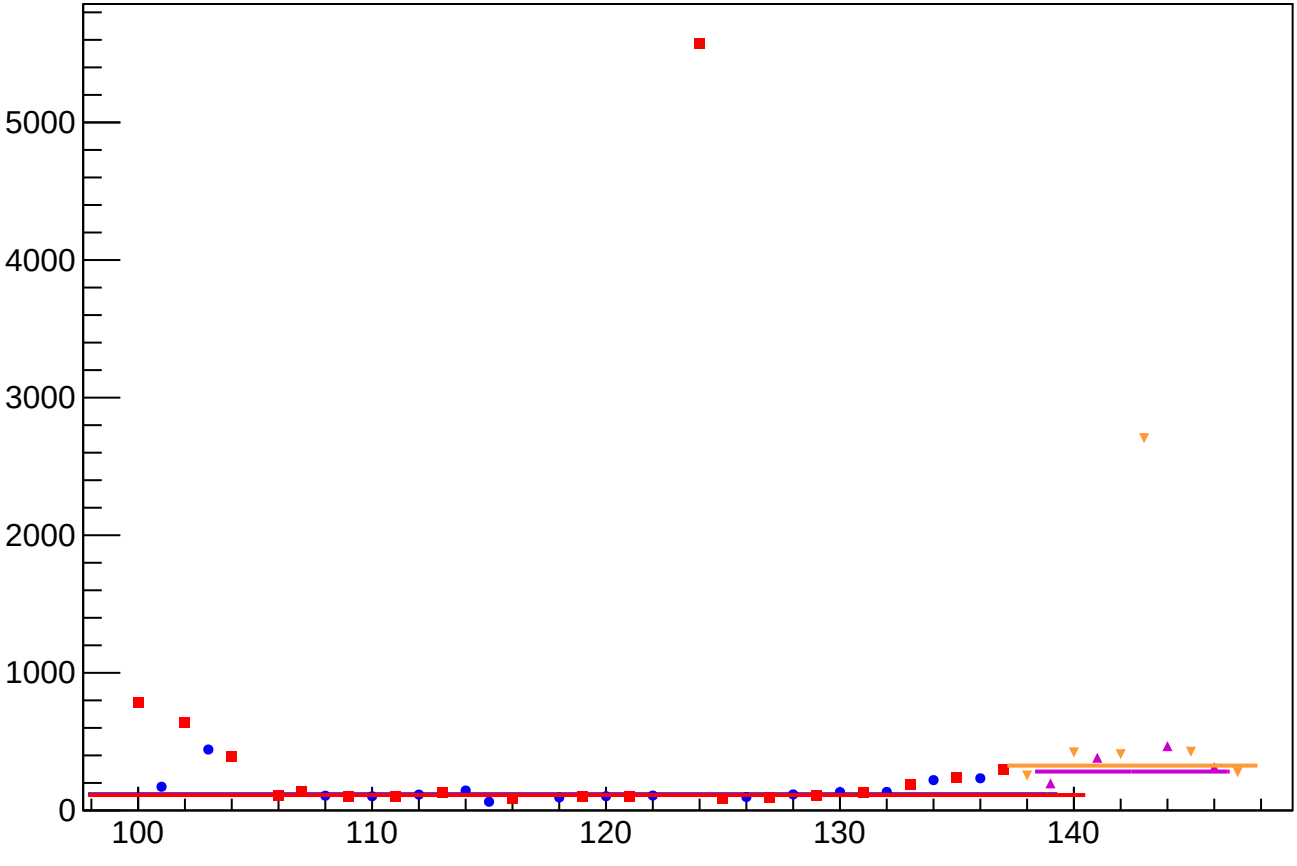
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.046 χ^2/NDF:20.5/19

Out: -0.040+/-0.045 χ^2/NDF:34.2/24

All: -0.007+/-0.032 χ^2/NDF: 55.9/44

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 326.032+/-0.122 χ^2/NDF:1637316.6/5

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 282.669+/-0.115 χ^2/NDF:695492.5/3

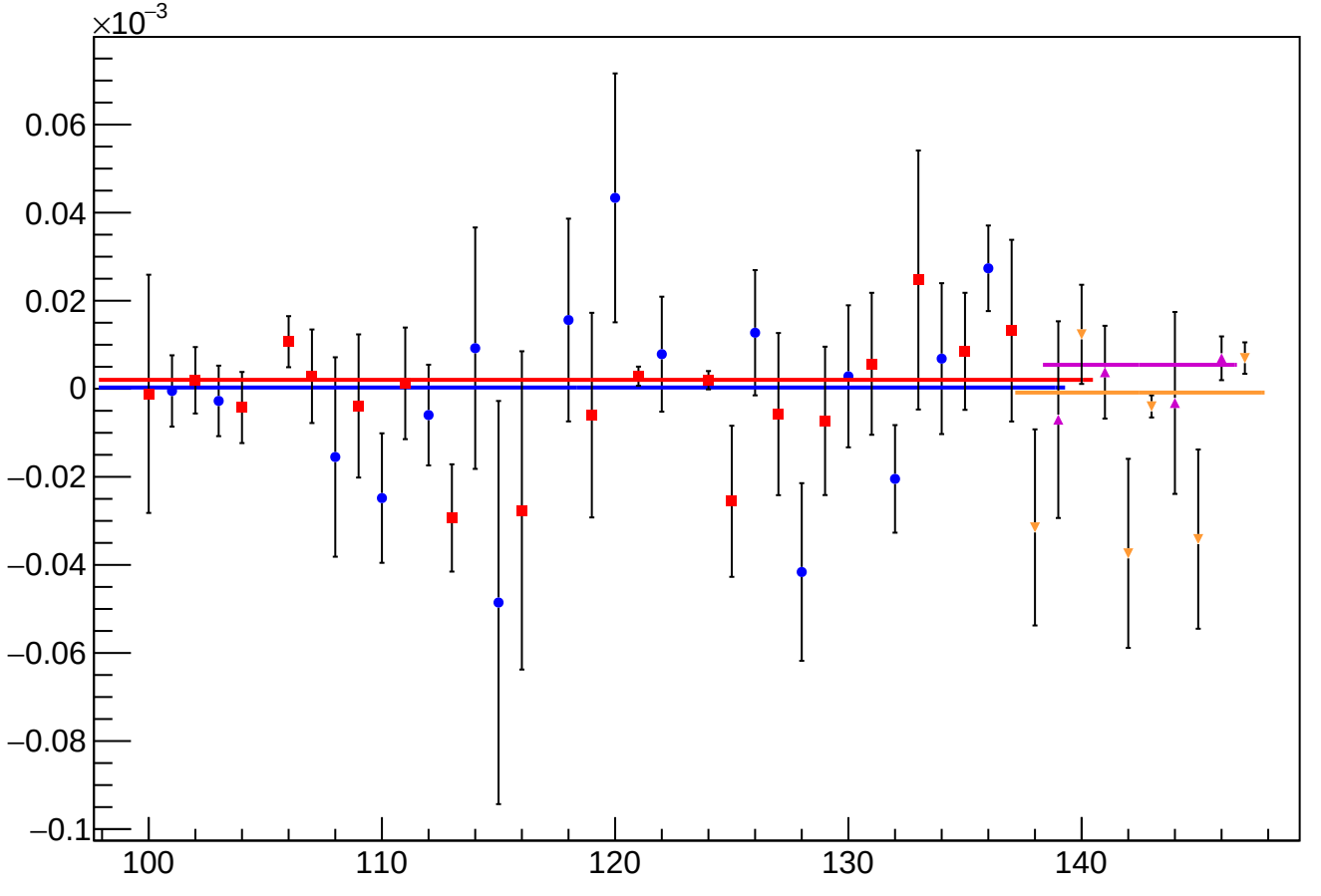
Left: 303.103+/-0.084 χ^2/NDF: 2399928.1/9

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 130.839+/-0.032 χ^2/NDF:4315742.7/19

Out: 126.874+/-0.032 χ^2/NDF:6699578.0/24

All: 128.825+/-0.023 χ^2/NDF: 11022891.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

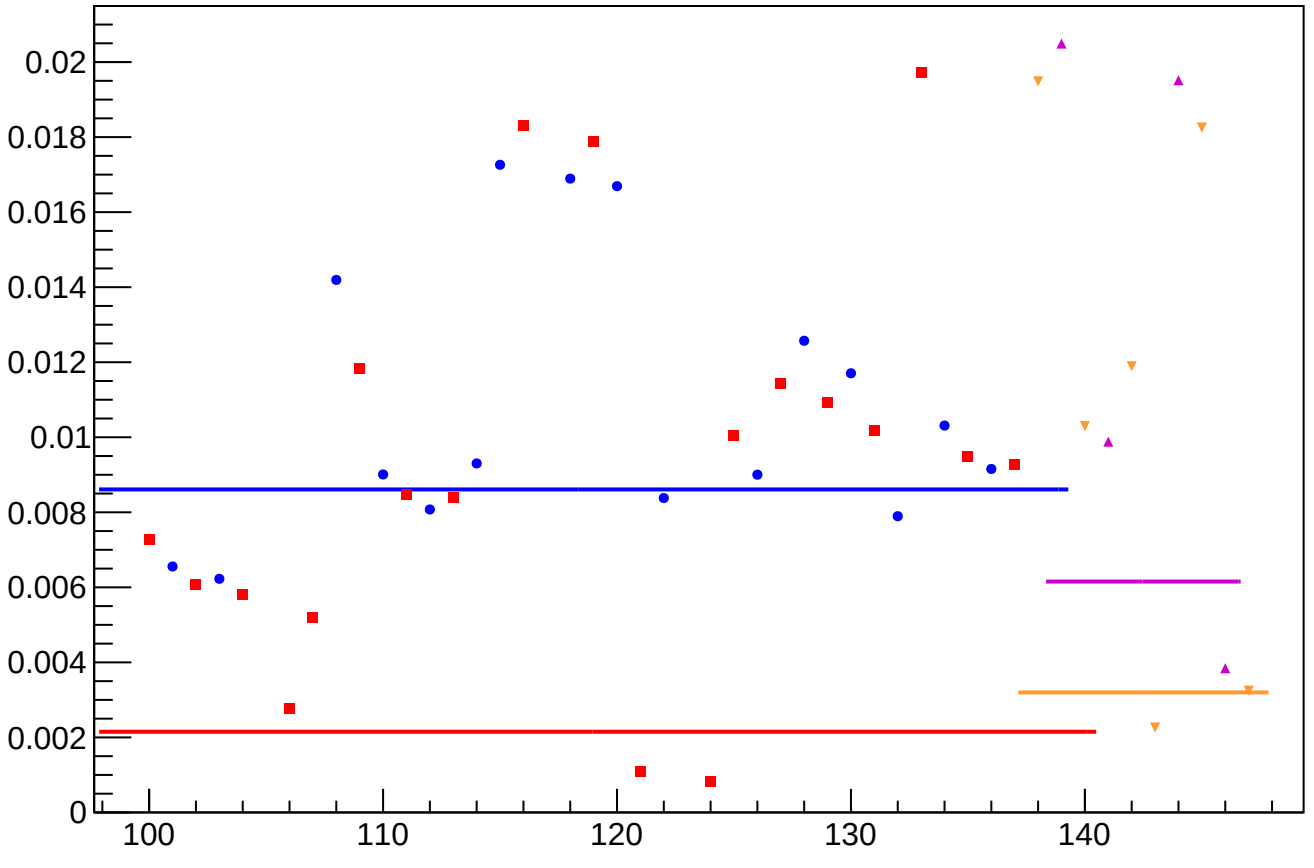
Left: 0.000+/-0.000 χ^2/NDF: 17.5/9

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:25.6/19

Out: 0.000+/-0.000 χ^2/NDF:31.4/24

All: 0.000+/-0.000 χ^2/NDF: 57.2/44



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:3563361.6/5

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.006+/-0.000 χ^2/NDF:2343866.9/3

Left: 0.004+/-0.000 χ^2/NDF: 6681376.6/9

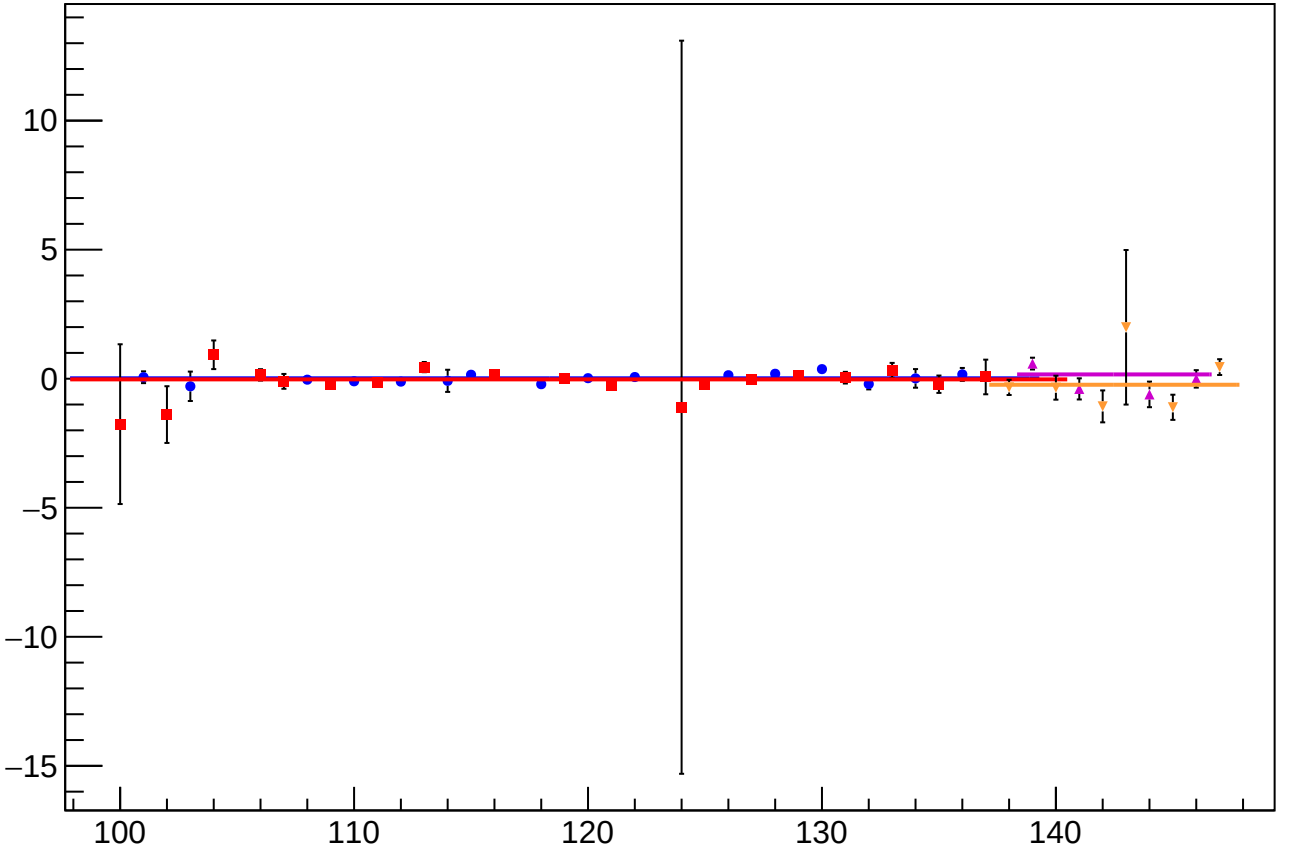
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.008+/-0.000 χ^2/NDF:3860743.0/19

Out: 0.002+/-0.000 χ^2/NDF:13030549.6/24

All: 0.003+/-0.000 χ^2/NDF: 23414167.6/44

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: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.166+/-0.162 χ^2/NDF:7.9/3

Left: -0.022+/-0.118 χ^2/NDF: 21.6/9

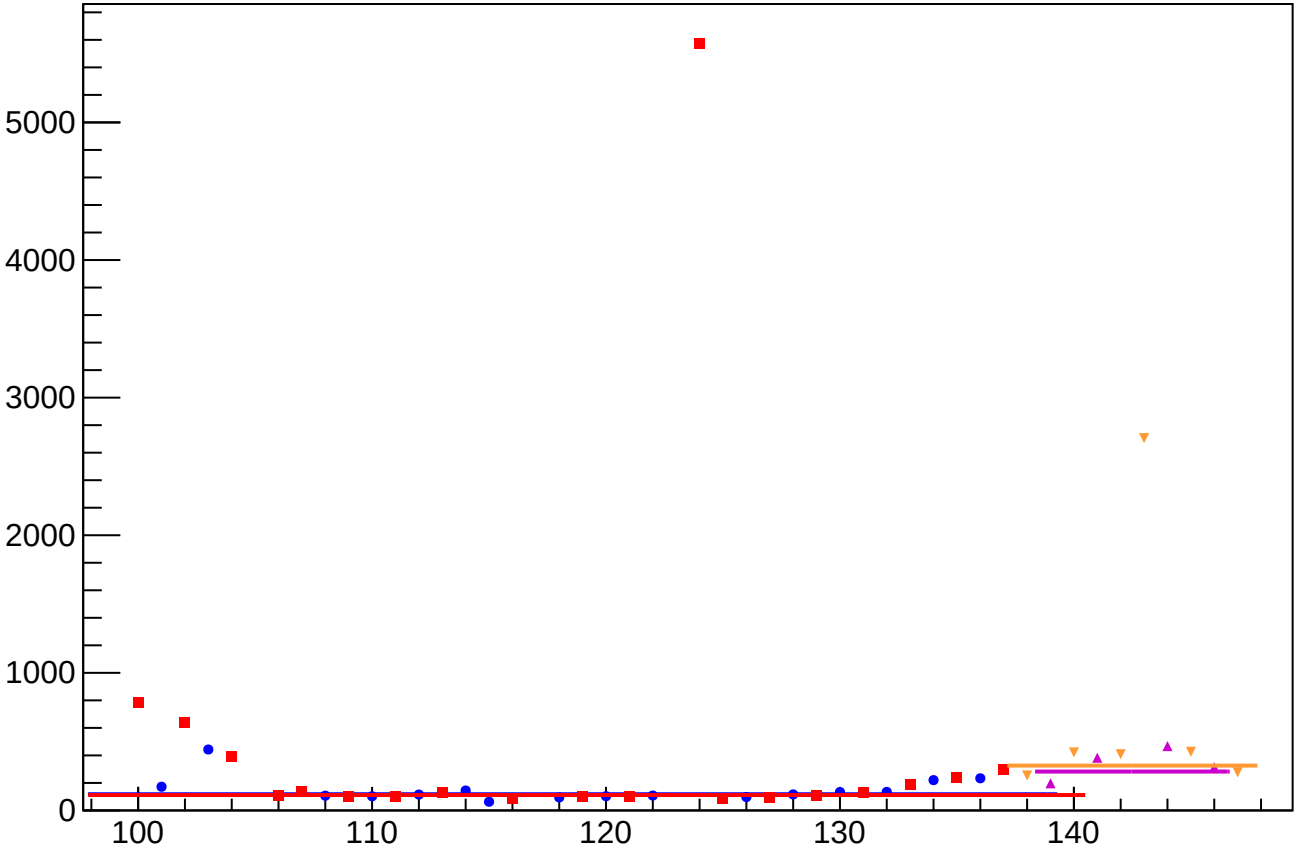
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.046 χ^2/NDF:20.5/19

Out: -0.040+/-0.045 χ^2/NDF:34.2/24

All: -0.007+/-0.032 χ^2/NDF: 55.9/44

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: 326.035+/-0.122 χ^2/NDF:1637334.2/5

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 282.674+/-0.115 χ^2/NDF:695478.3/3

Left: 303.107+/-0.084 χ^2/NDF: 2399924.7/9

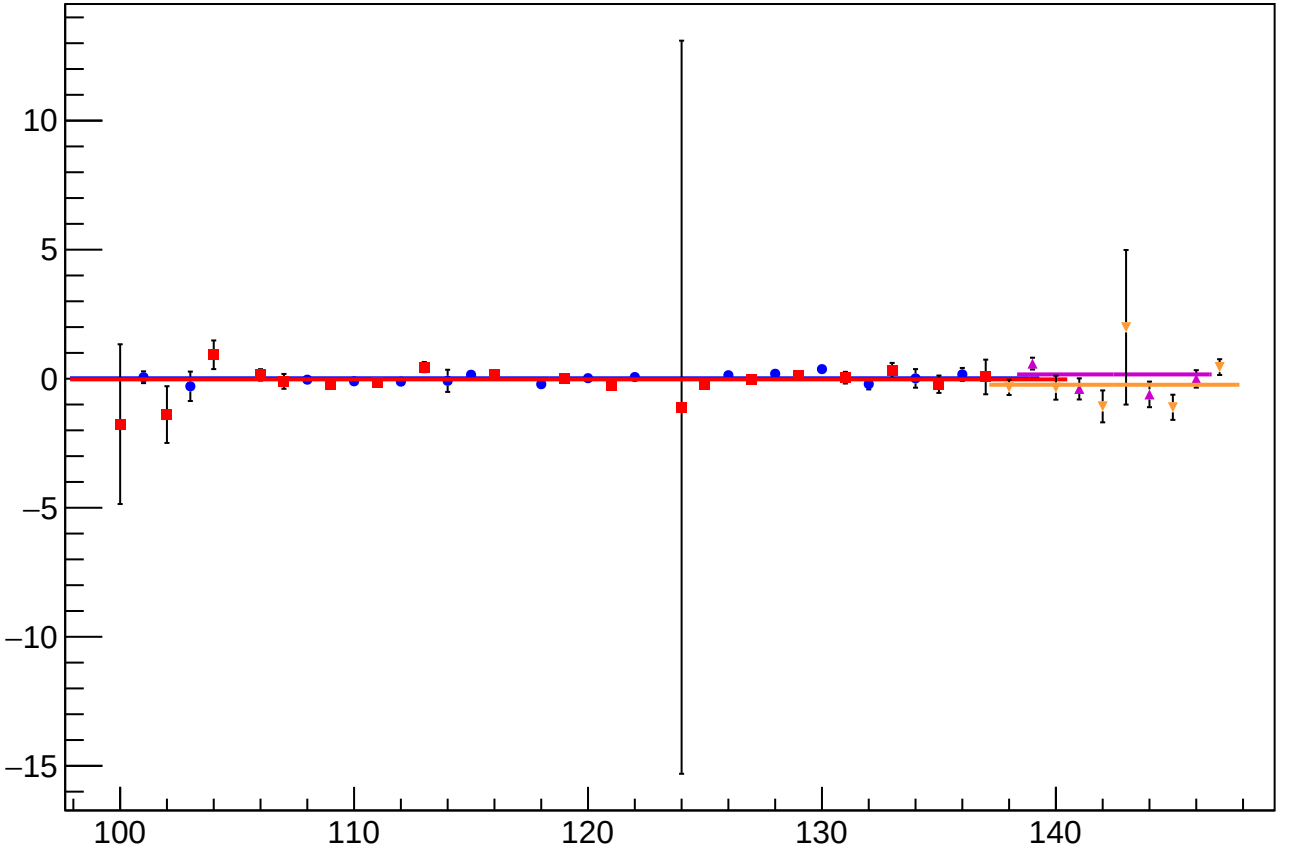
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 130.839+/-0.032 χ^2/NDF:4315745.2/19

Out: 126.876+/-0.032 χ^2/NDF:6699505.3/24

All: 128.826+/-0.023 χ^2/NDF: 11022814.5/44

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: -0.234+/-0.172 χ^2/NDF:10.8/5

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.166+/-0.162 χ^2/NDF:7.9/3

Left: -0.022+/-0.118 χ^2/NDF: 21.6/9

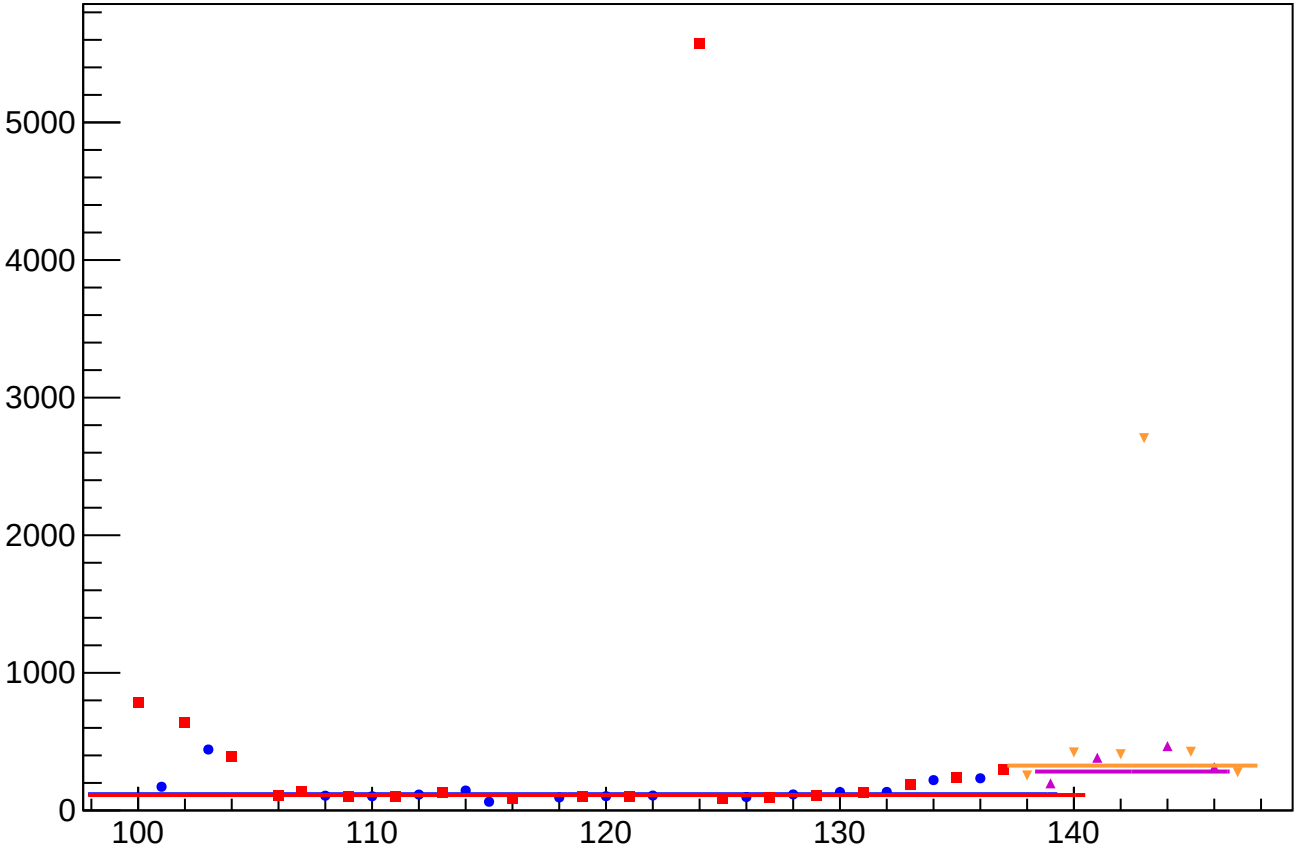
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.027+/-0.046 χ^2/NDF:20.5/19

Out: -0.040+/-0.045 χ^2/NDF:34.2/24

All: -0.007+/-0.032 χ^2/NDF: 55.9/44

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 326.035+/-0.122 χ^2/NDF:1637334.2/5

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 282.674+/-0.115 χ^2/NDF:695478.3/3

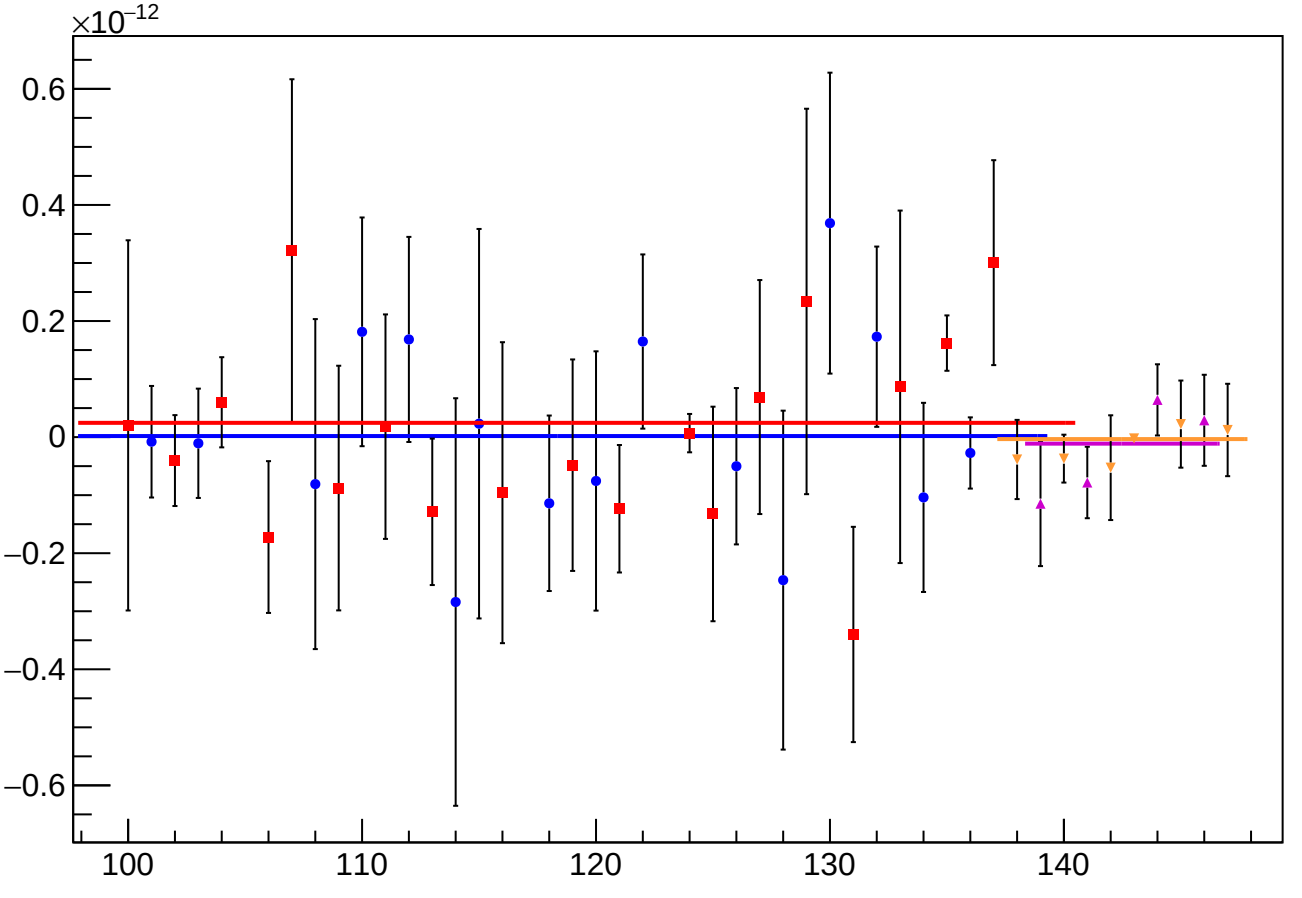
Left: 303.107+/-0.084 χ^2/NDF: 2399924.7/9

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 130.839+/-0.032 χ^2/NDF:4315745.2/19

Out: 126.876+/-0.032 χ^2/NDF:6699505.3/24

All: 128.826+/-0.023 χ^2/NDF: 11022814.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/3

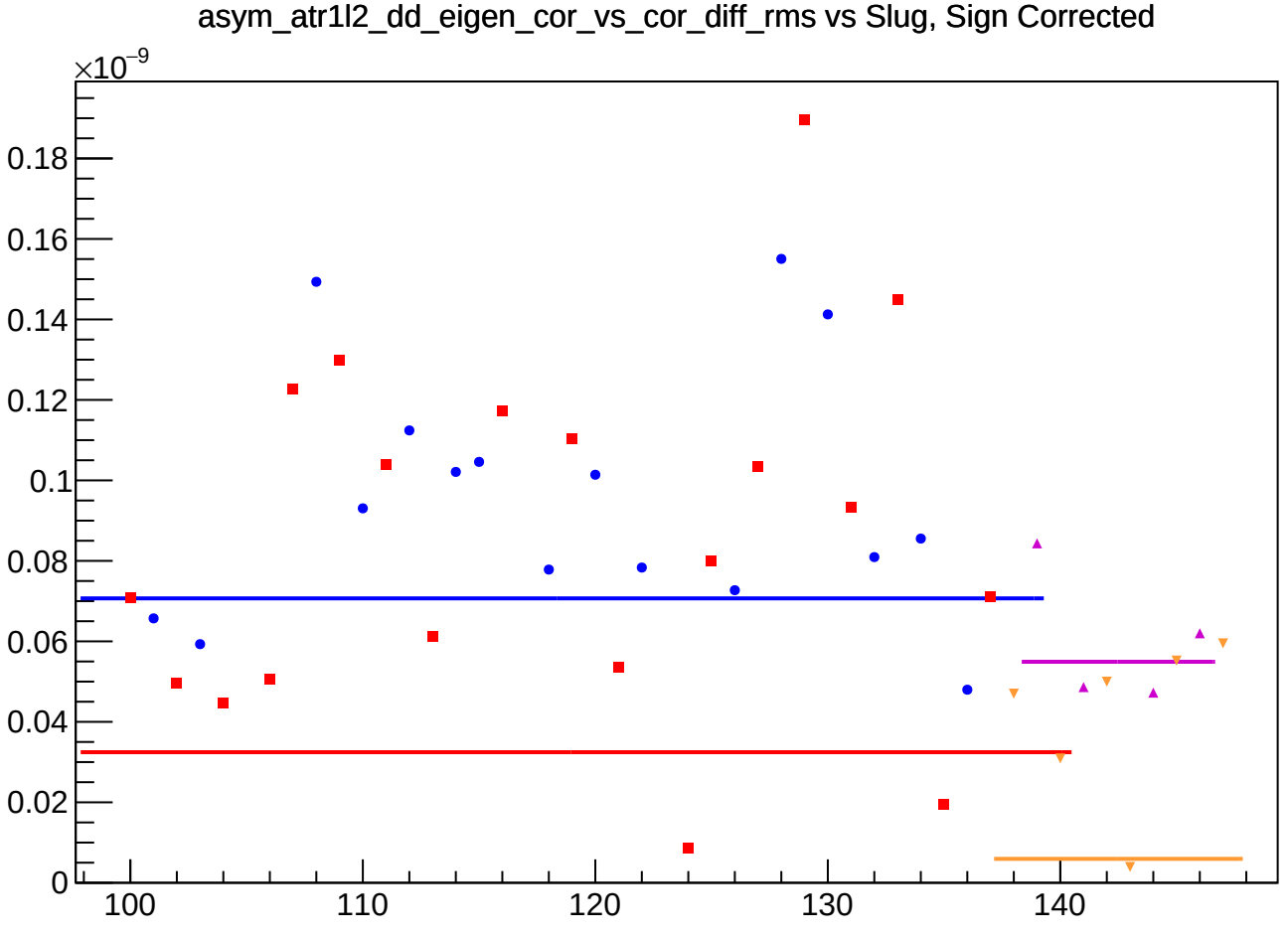
Left: -0.000+/-0.000 χ^2/NDF: 5.3/9

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:13.1/19

Out: -0.000+/-0.000 χ^2/NDF:27.2/24

All: -0.000+/-0.000 χ^2/NDF: 40.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3885651.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:218205.3/3

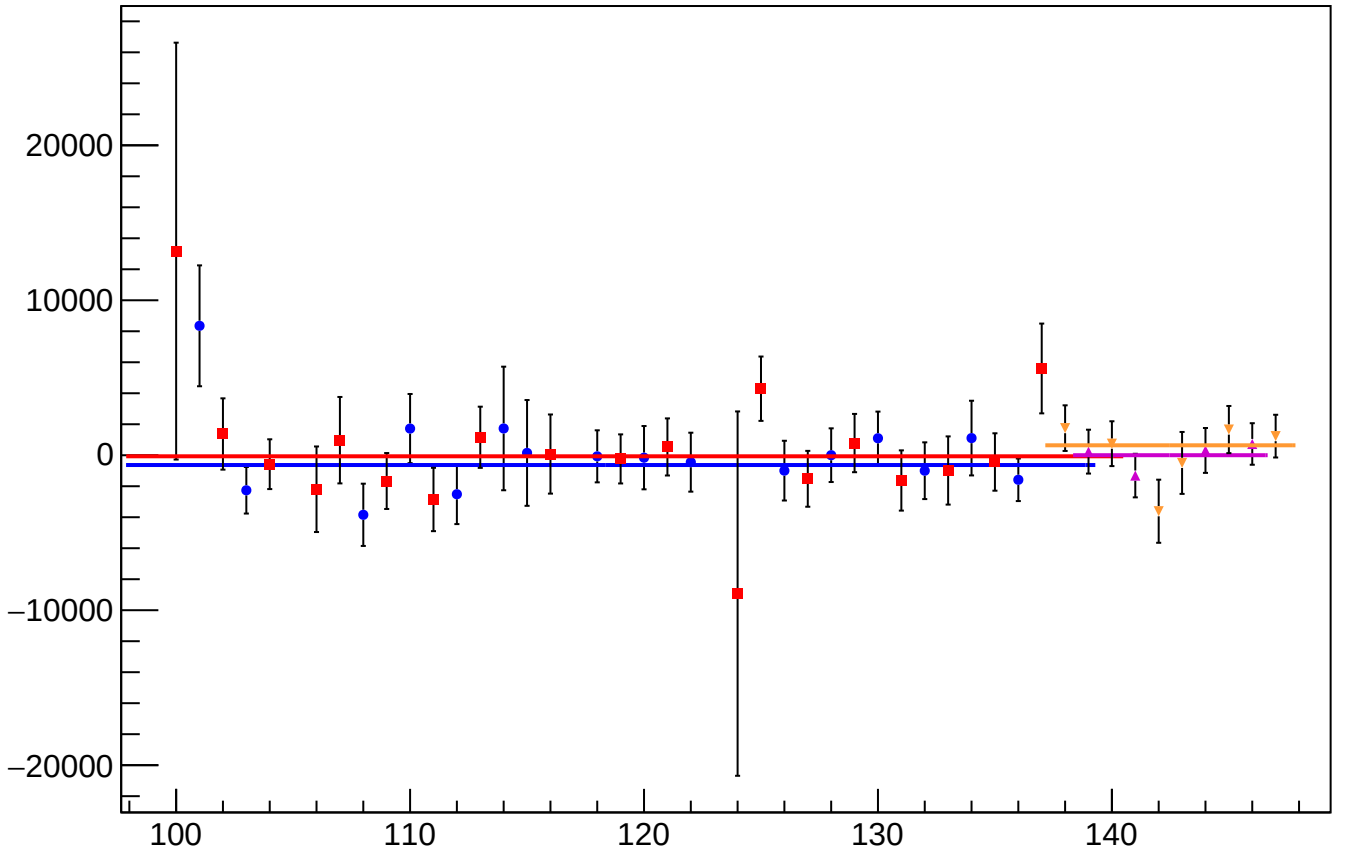
Left: 0.000+/-0.000 χ^2/NDF: 7721581.1/9

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1442888.4/19

Out: 0.000+/-0.000 χ^2/NDF:11094704.6/24

All: 0.000+/-0.000 χ^2/NDF: 21776658.6/44



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.778+/-646.903 χ^2/NDF:5.9/5

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 2.449+/-700.312 χ^2/NDF:1.2/3

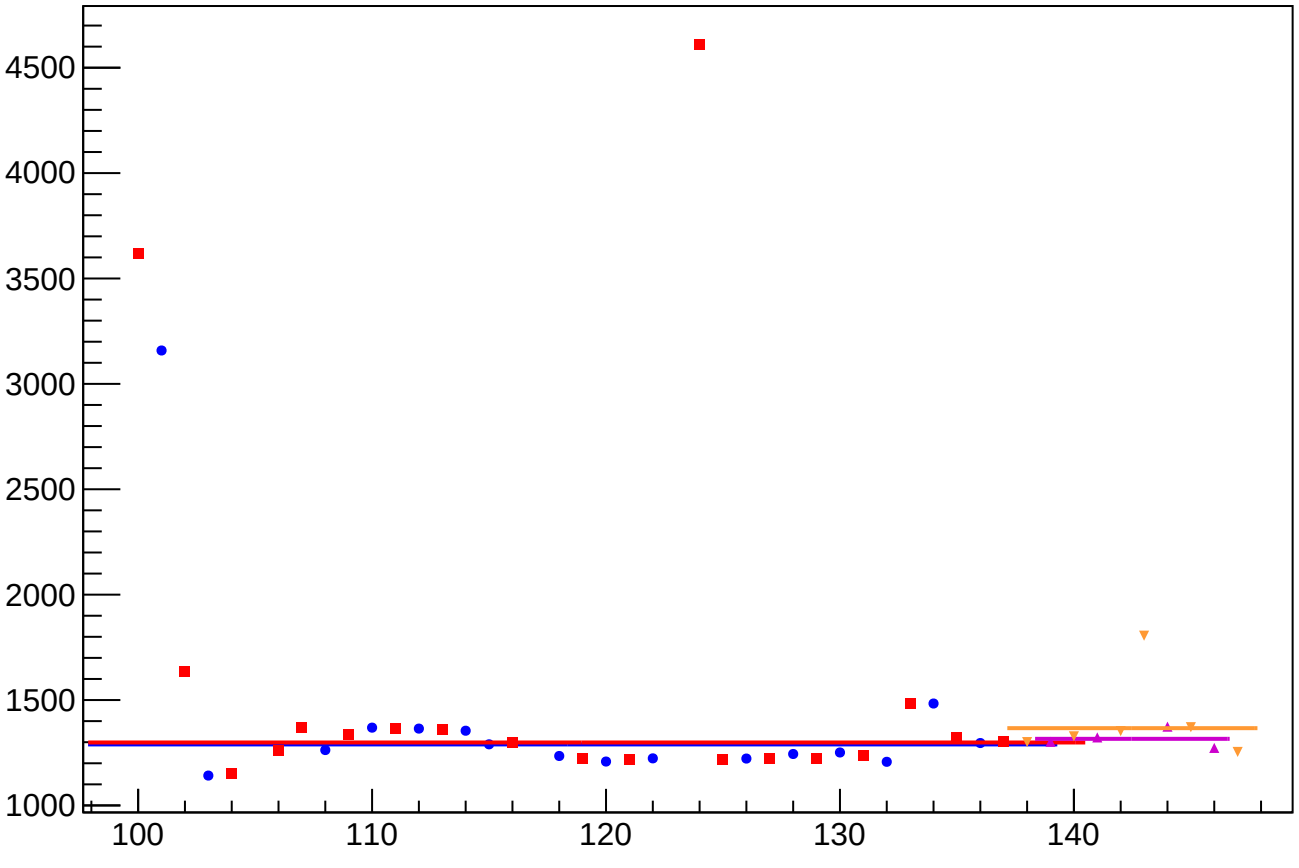
Left: 347.419+/-475.190 χ^2/NDF: 7.6/9

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -423.600+/-400.746 χ^2/NDF:15.7/19

Out: 189.488+/-389.461 χ^2/NDF:22.5/24

All: -108.302+/-279.295 χ^2/NDF: 39.4/44



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

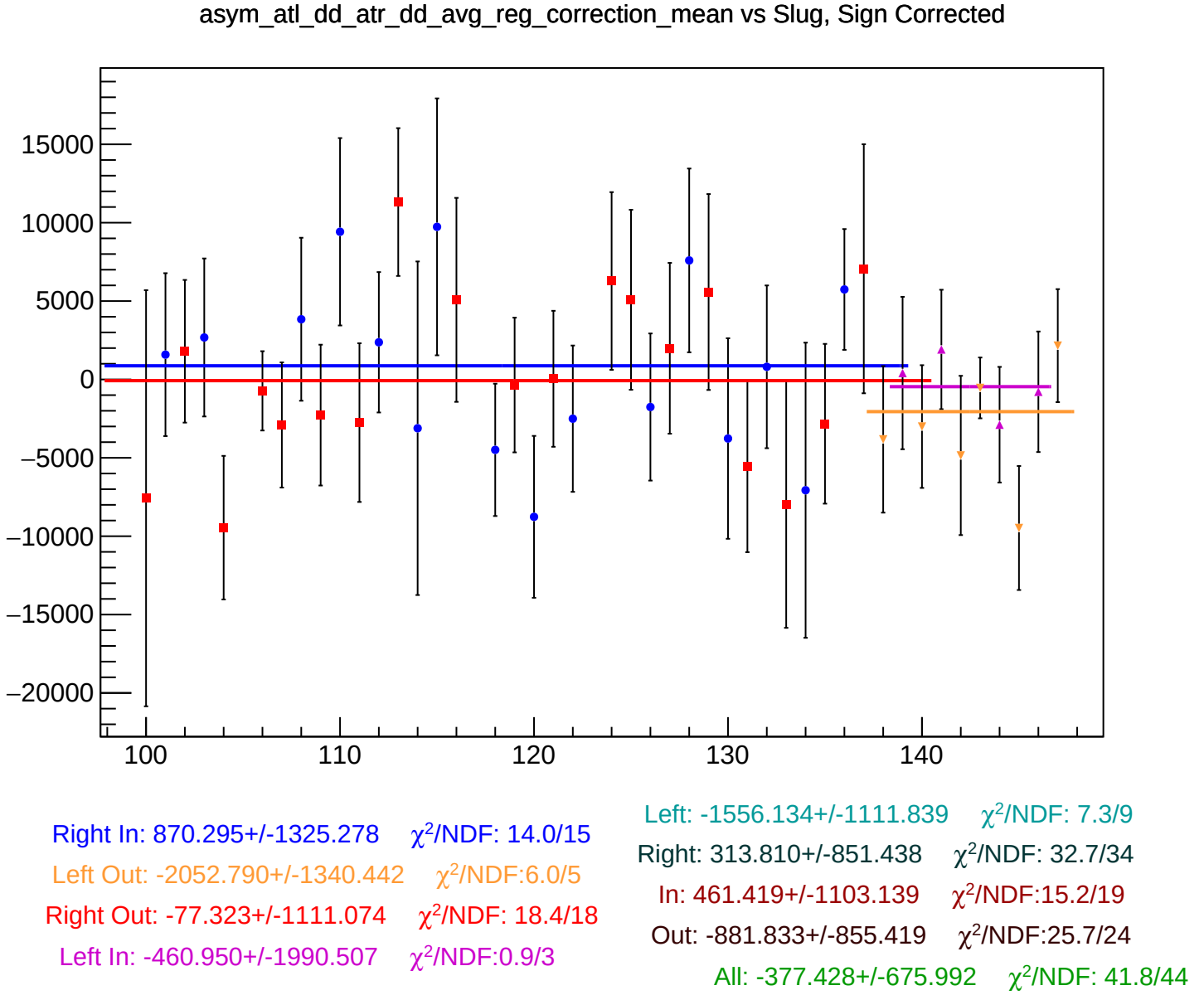
Left: 1343.279+/-0.336 χ^2/NDF: 126517.8/9

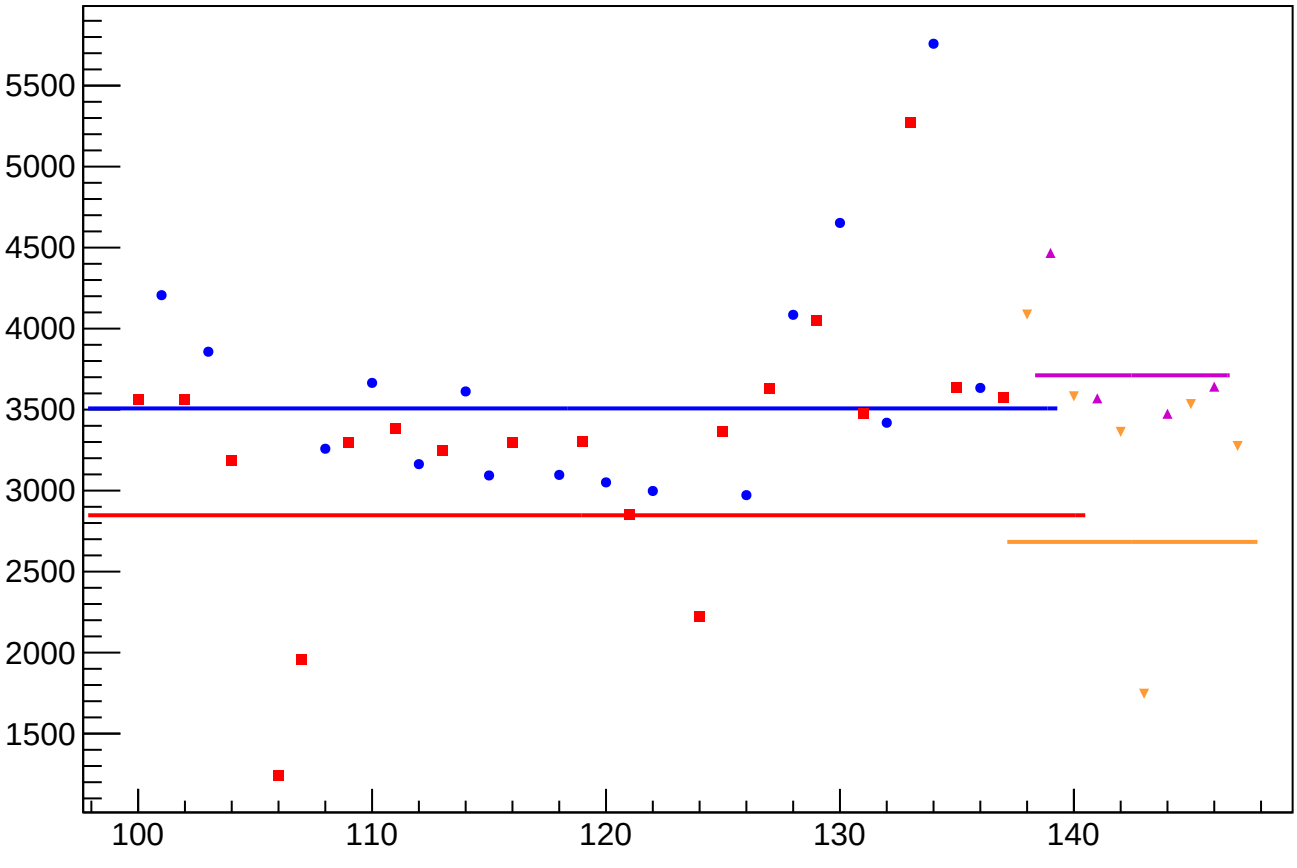
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1298.143+/-0.283 χ^2/NDF:522091.3/19

Out: 1323.195+/-0.275 χ^2/NDF:448850.6/24

All: 1311.048+/-0.197 χ^2/NDF: 974967.8/44


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
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -2052.790+/-1340.442 χ²/NDF:6.0/5
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -460.950+/-1990.507 χ²/NDF:0.9/3
Left: -1556.134+/-1111.839 χ²/NDF: 7.3/9
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 461.419+/-1103.139 χ²/NDF:15.2/19
Out: -881.833+/-855.419 χ²/NDF:25.7/24
All: -377.428+/-675.992 χ²/NDF: 41.8/44



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2683.400+/-0.948 χ^2/NDF:935009.0/5

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

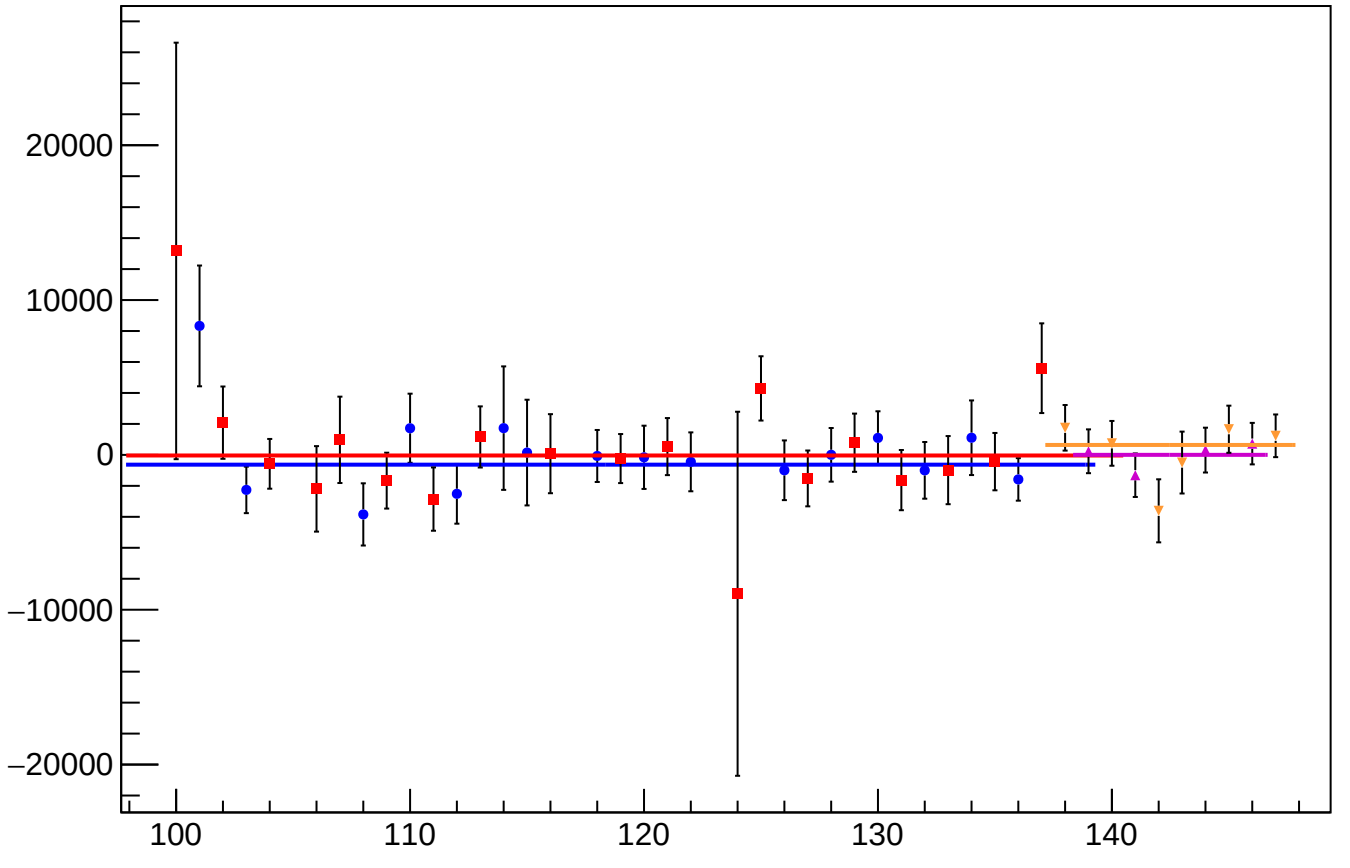
Left: 3004.236+/-0.786 χ^2/NDF: 1362253.3/9

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3570.151+/-0.780 χ^2/NDF:428590.0/19

Out: 2780.868+/-0.605 χ^2/NDF:2452222.0/24

All: 3077.252+/-0.478 χ^2/NDF: 3520193.9/44



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

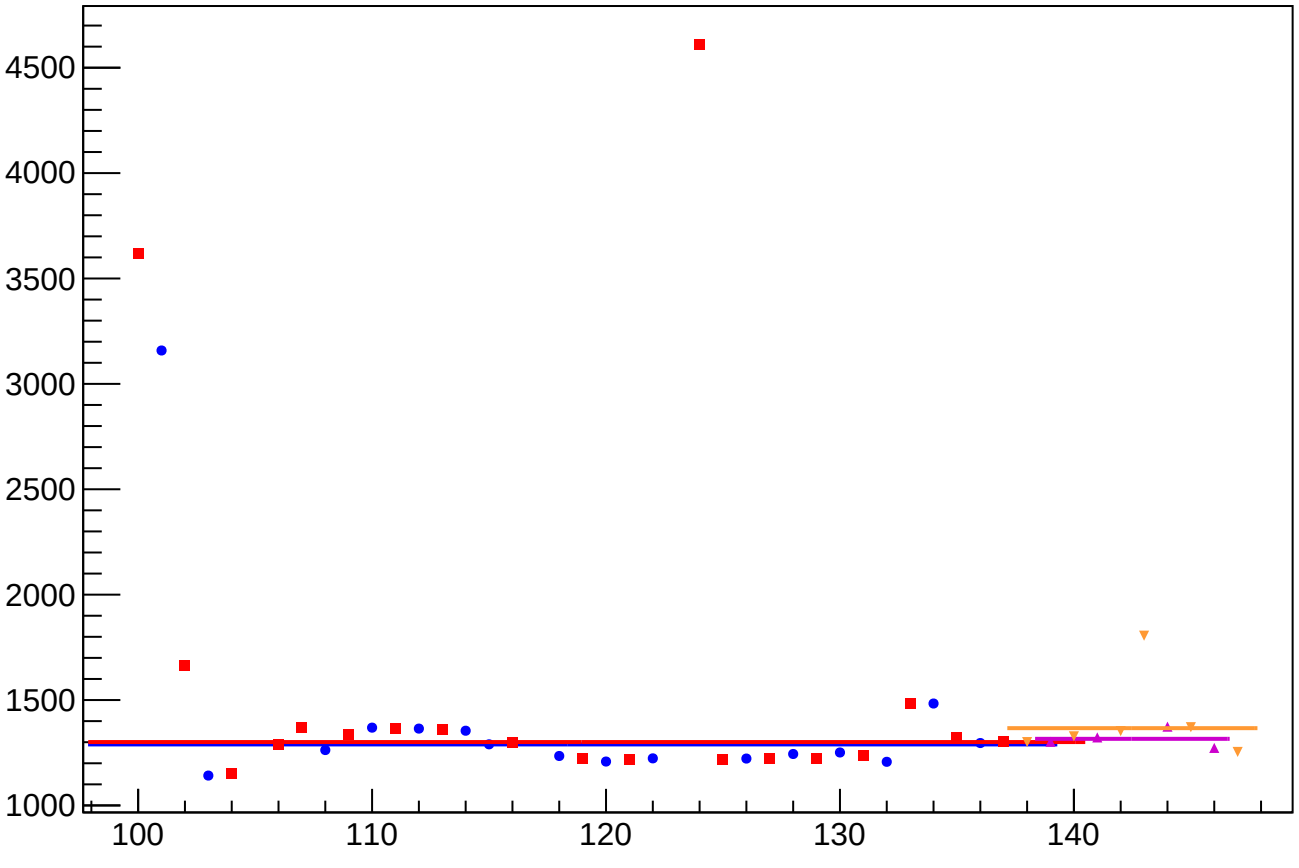
Left: 347.350+/-475.190 χ^2/NDF: 7.6/9

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -98.963+/-279.355 χ^2/NDF: 39.9/44



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

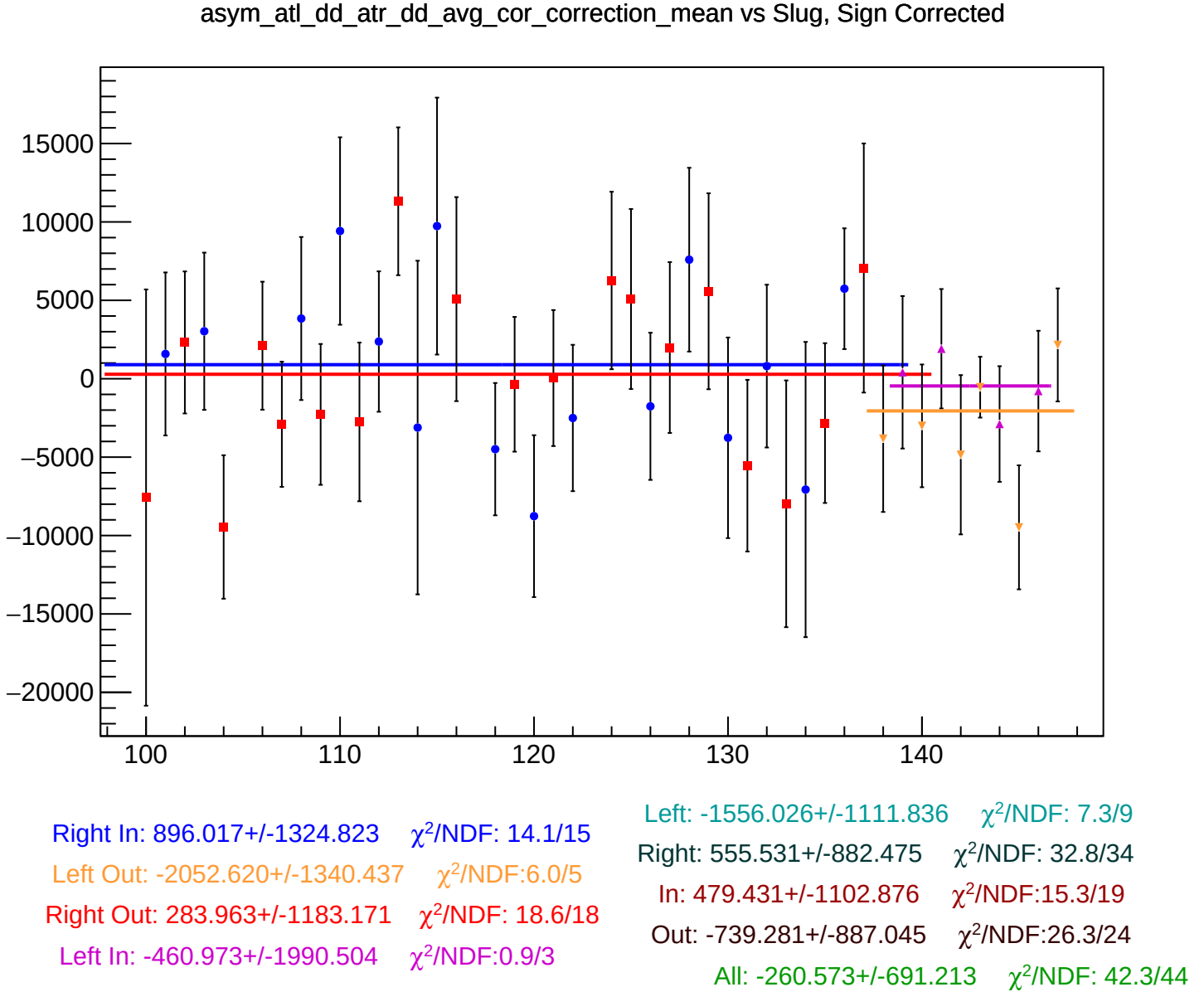
Left: 1343.279+/-0.336 χ^2/NDF: 126517.8/9

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
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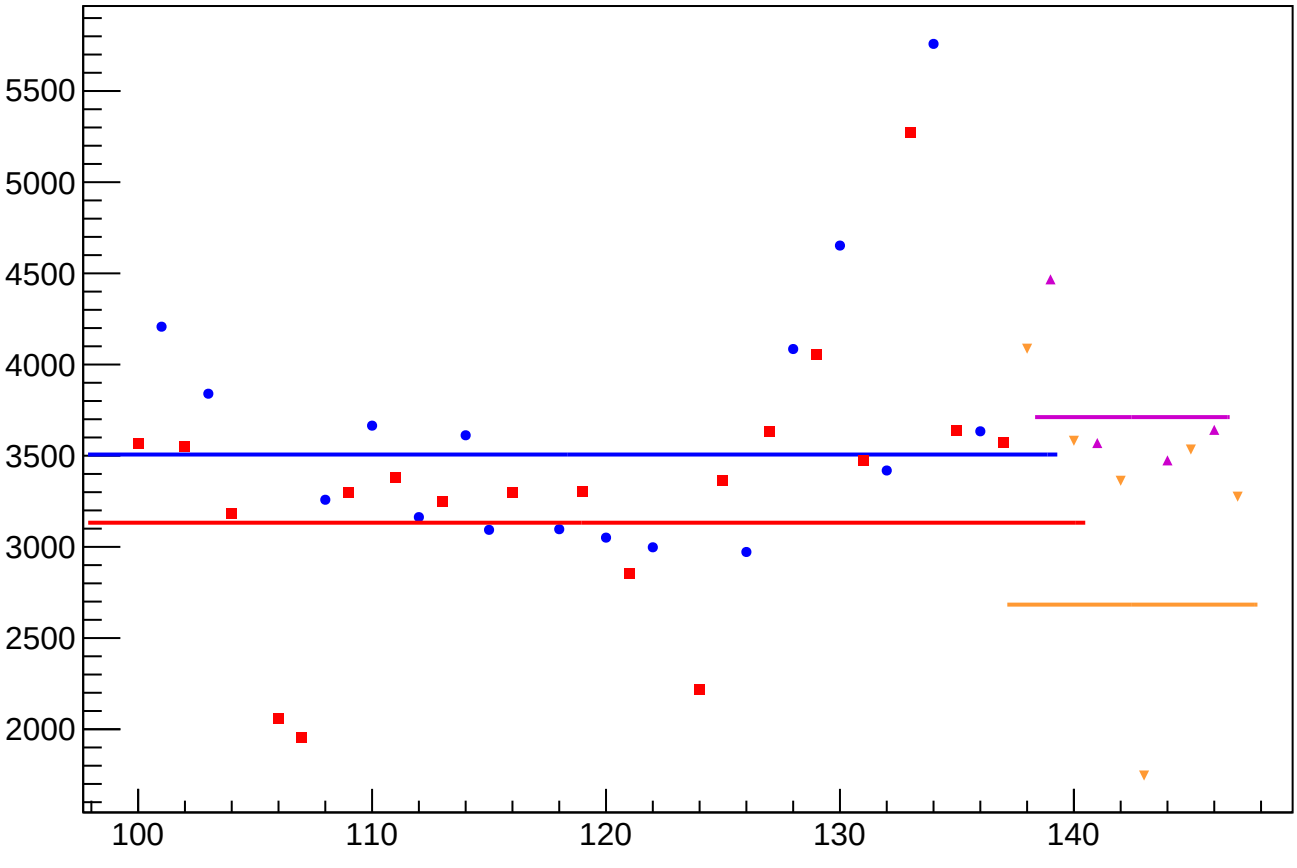
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2052.620+/-1340.437 χ²/NDF:6.0/5
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -460.973+/-1990.504 χ²/NDF:0.9/3
Left: -1556.026+/-1111.836 χ²/NDF: 7.3/9
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 479.431+/-1102.876 χ²/NDF:15.3/19
Out: -739.281+/-887.045 χ²/NDF:26.3/24
All: -260.573+/-691.213 χ²/NDF: 42.3/44



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

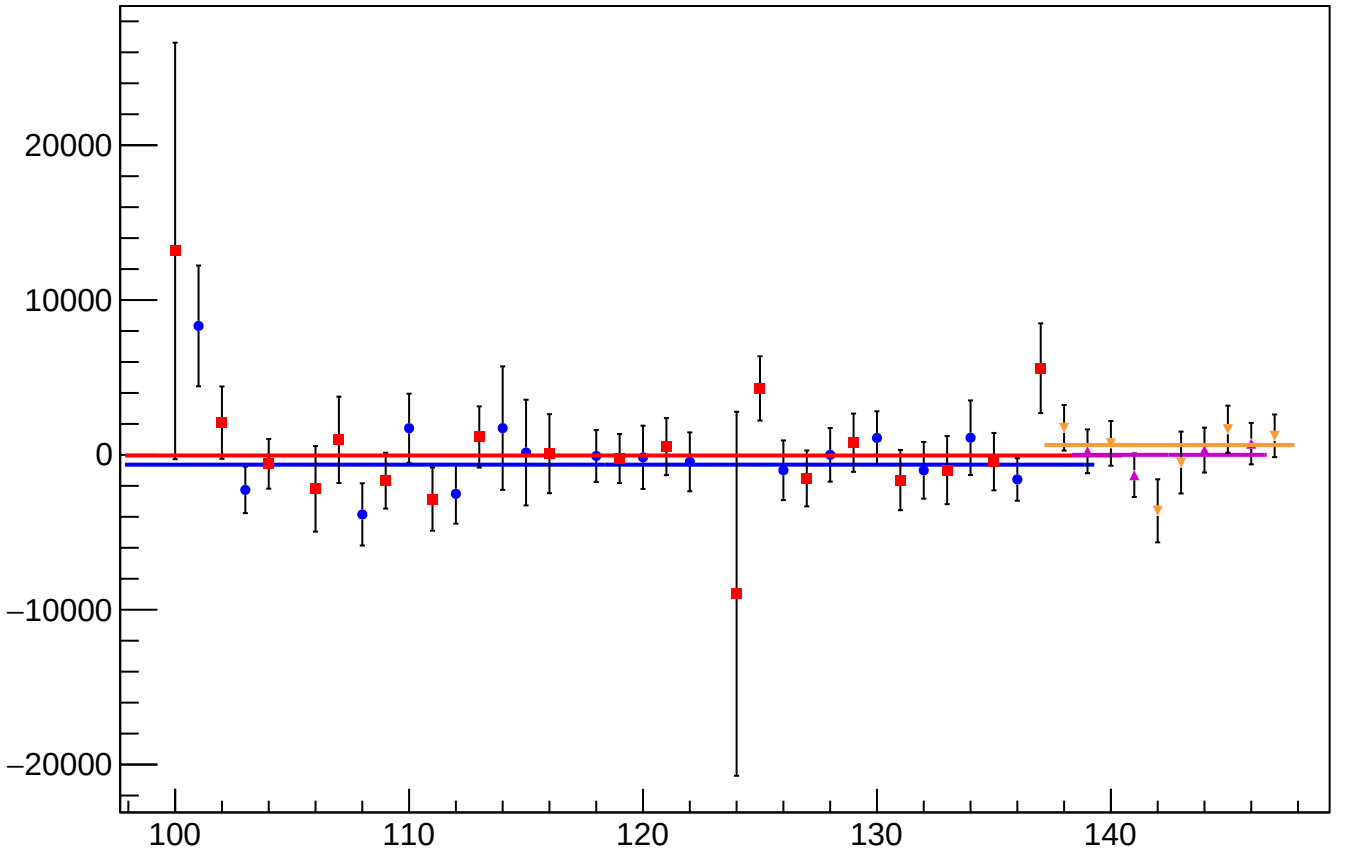
Left: 3004.225+/-0.786 χ^2/NDF: 1362271.8/9

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

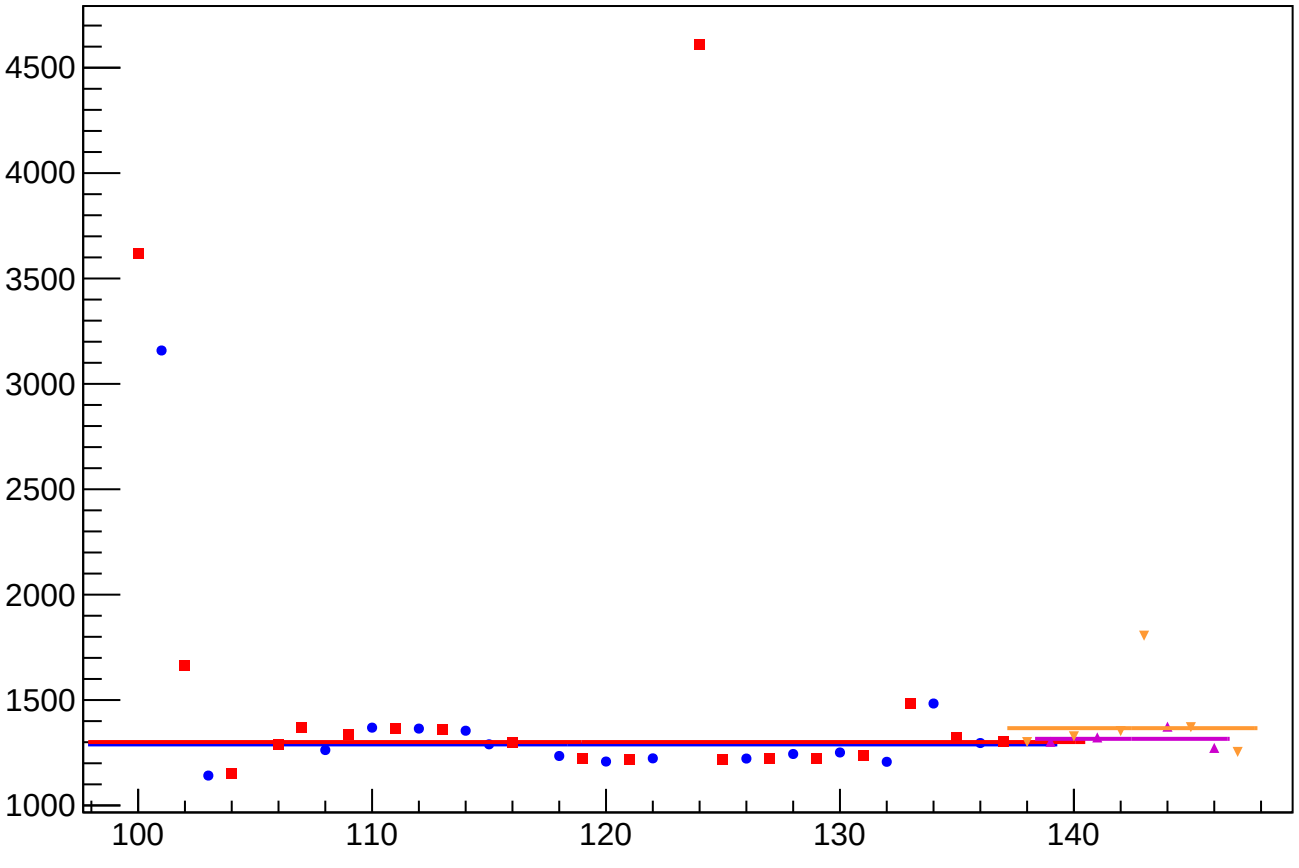
Left: 347.350+/-475.190 χ^2/NDF: 7.6/9

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -98.963+/-279.355 χ^2/NDF: 39.9/44



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

Left: 1343.279+/-0.336 χ^2/NDF: 126517.8/9

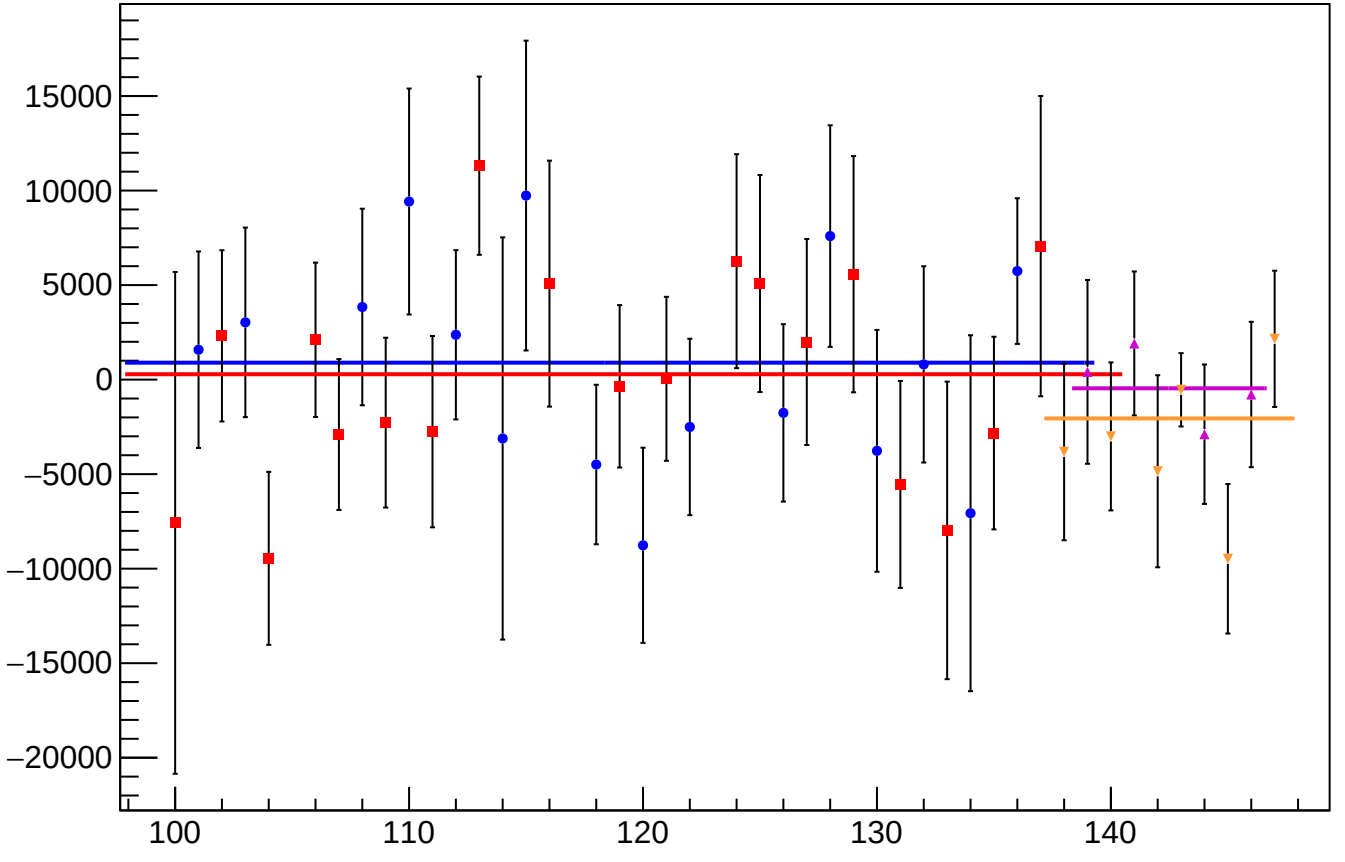
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -460.973+/-1990.504 χ^2/NDF:0.9/3

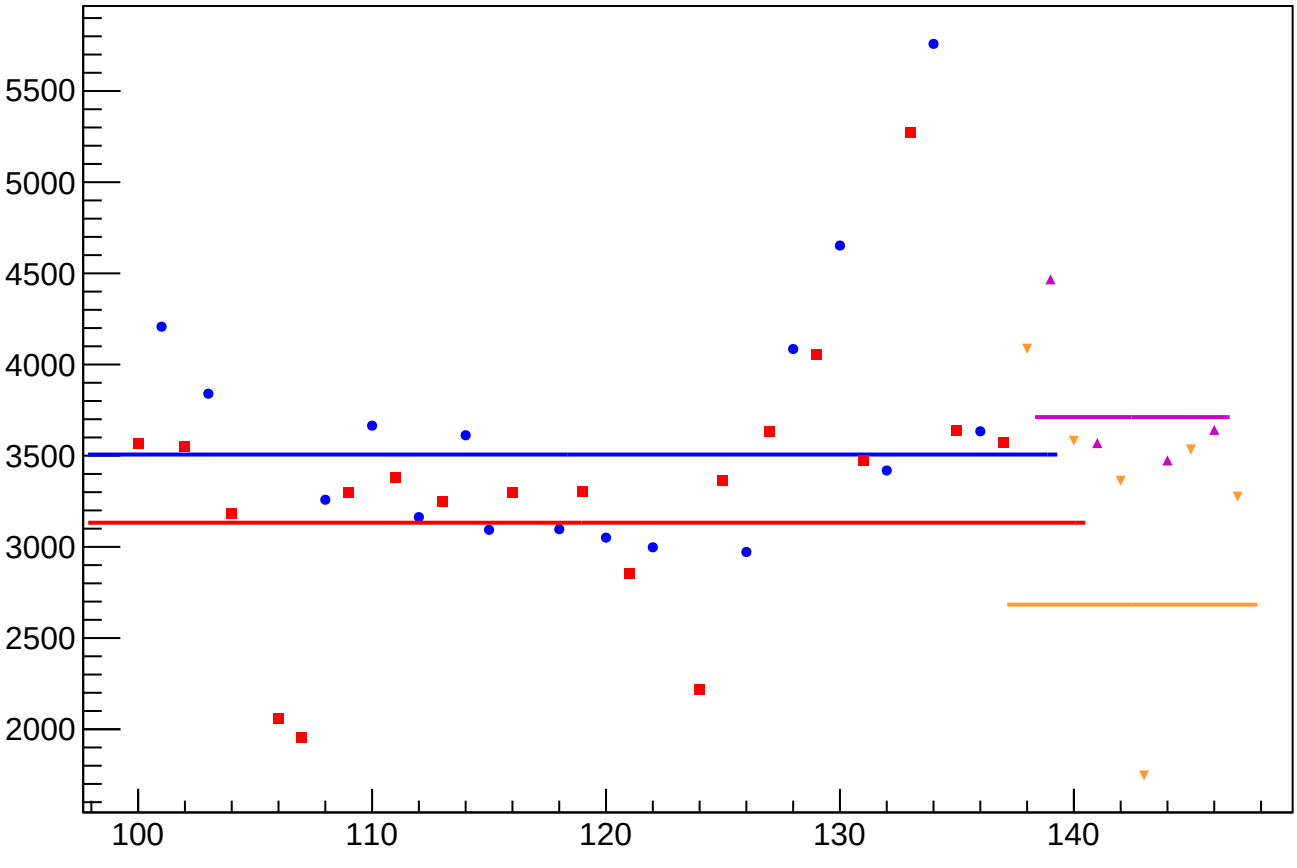
Left: -1556.026+/-1111.836 χ^2/NDF: 7.3/9

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 479.431+/-1102.876 χ^2/NDF:15.3/19

Out: -739.281+/-887.045 χ^2/NDF:26.3/24

All: -260.573+/-691.213 χ^2/NDF: 42.3/44



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

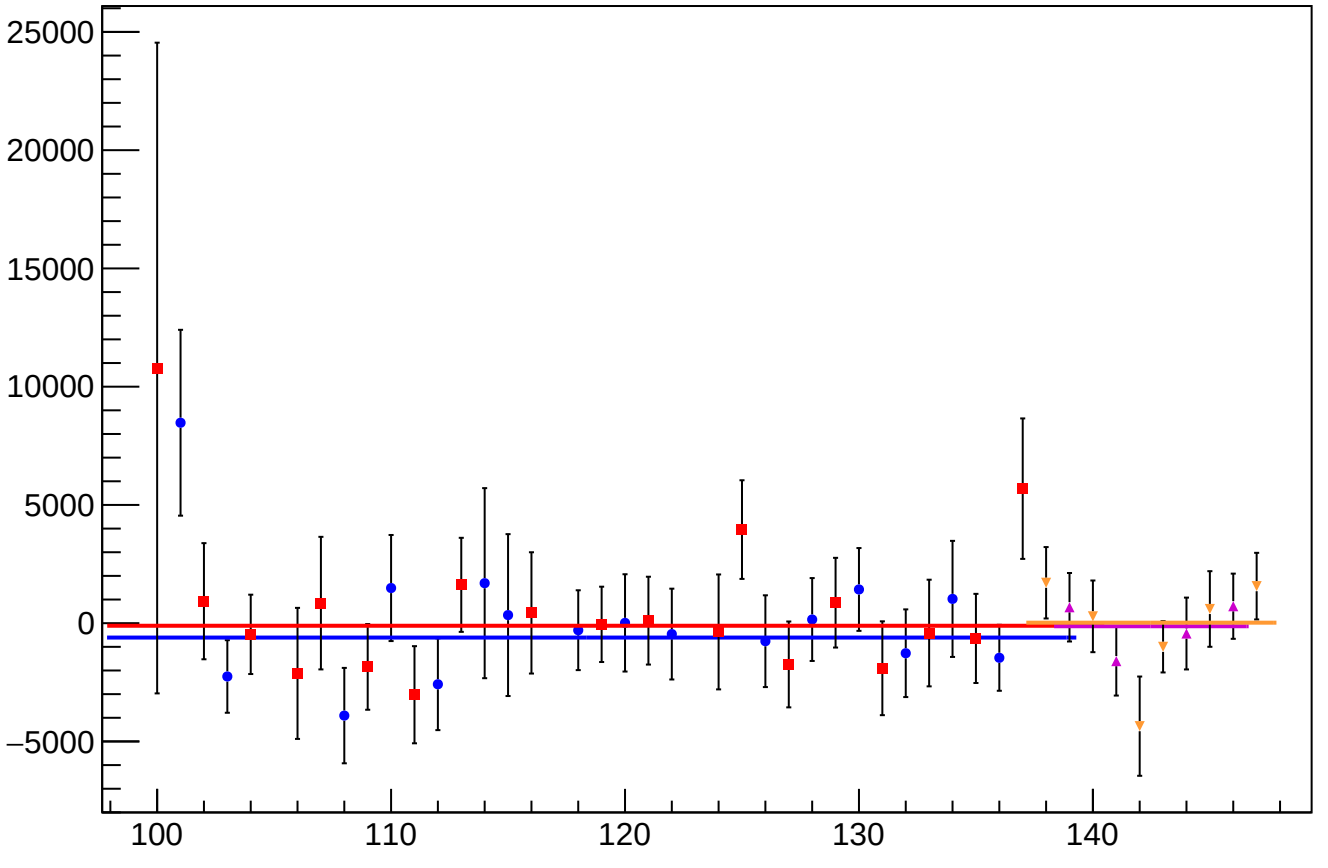
Left: 3004.225+/-0.786 χ^2/NDF: 1362271.8/9

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.528+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -129.181+/-723.926 χ^2/NDF:1.8/3

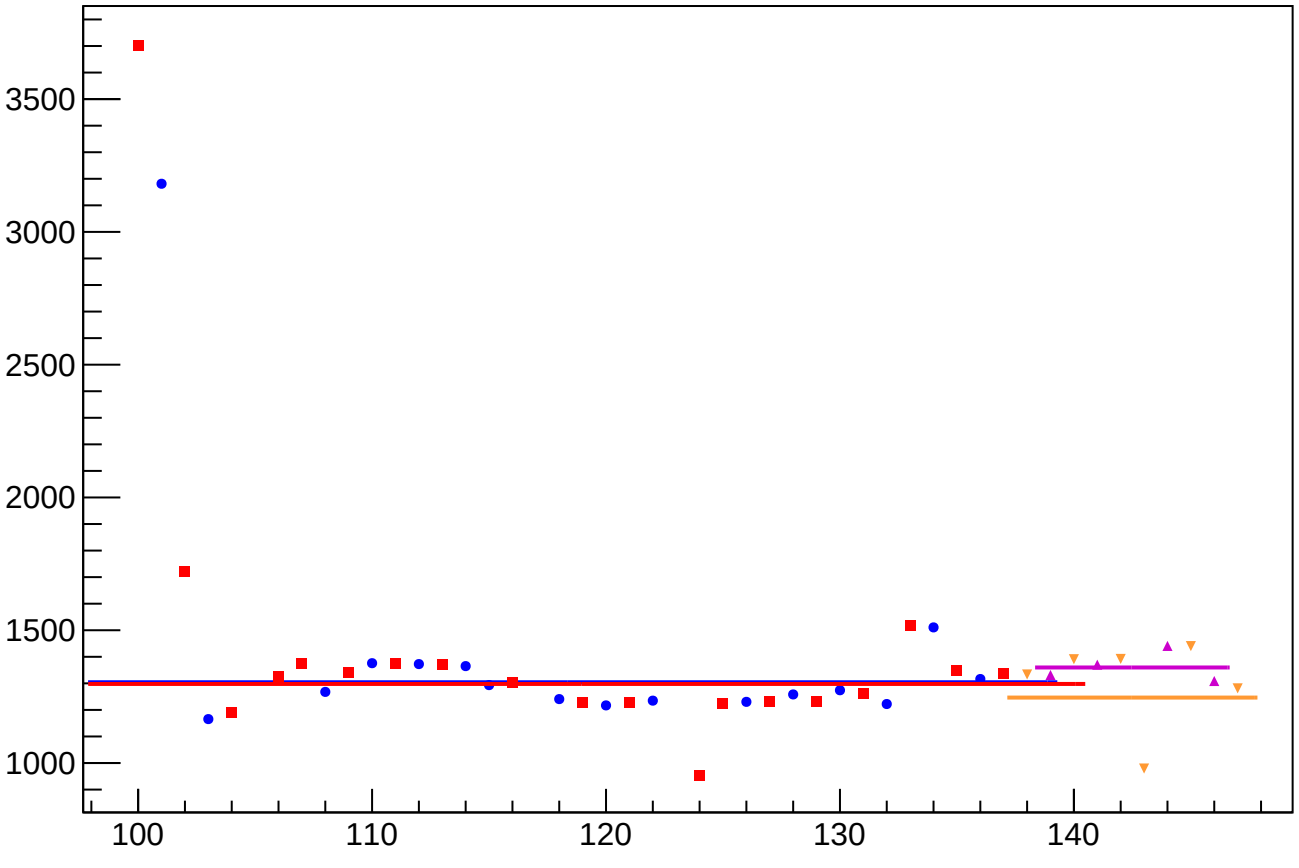
Left: -38.936+/-458.538 χ^2/NDF: 9.6/9

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -455.682+/-408.150 χ^2/NDF:16.2/19

Out: -56.334+/-375.571 χ^2/NDF:22.7/24

All: -239.436+/-276.370 χ^2/NDF: 39.4/44



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1246.466+/-0.419 χ^2/NDF:186568.7/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

Left: 1291.926+/-0.324 χ^2/NDF: 225221.0/9

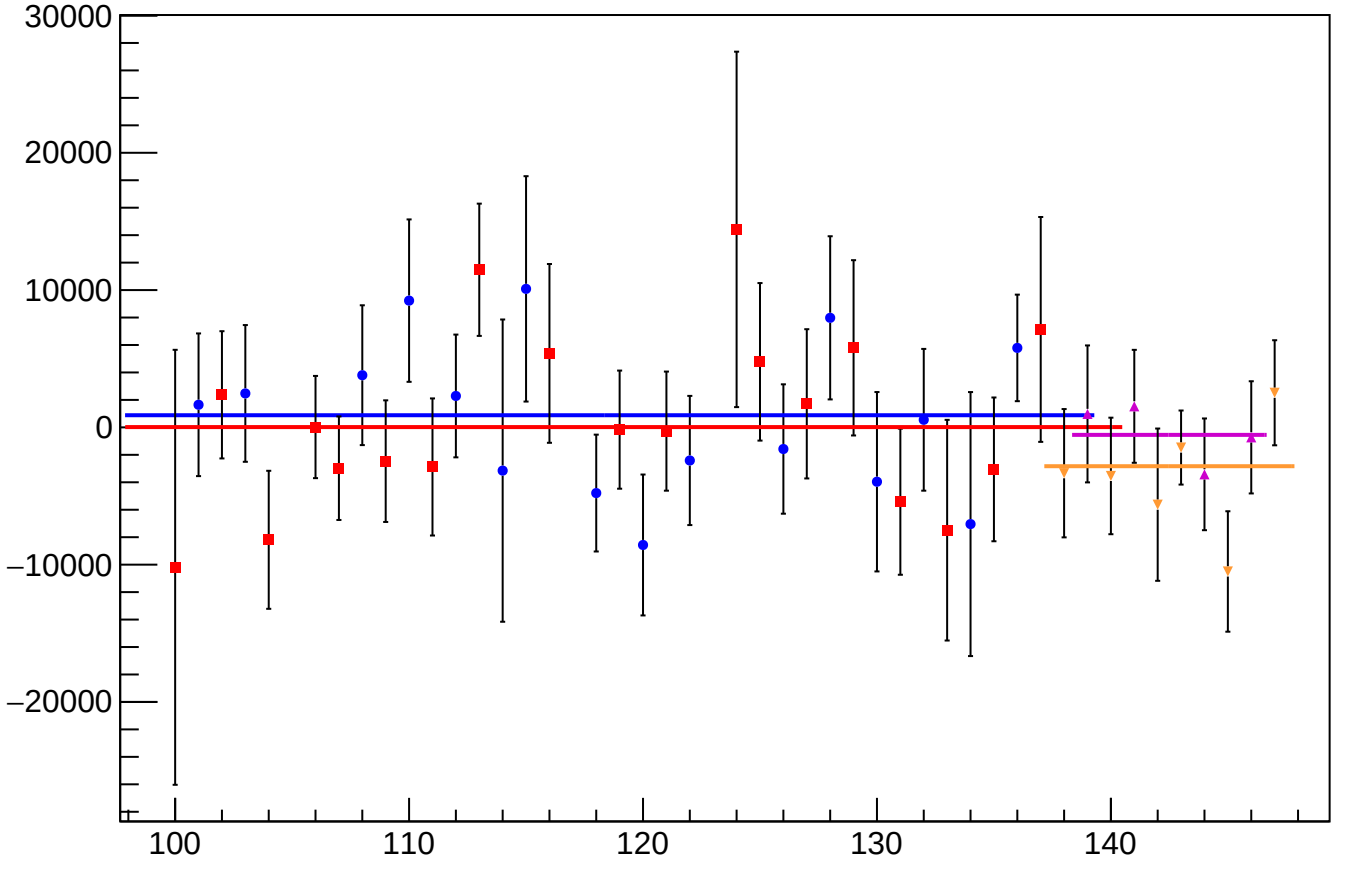
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1321.799+/-0.289 χ^2/NDF:527970.9/19

Out: 1277.195+/-0.265 χ^2/NDF:408649.6/24

All: 1297.636+/-0.195 χ^2/NDF: 949560.1/44

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -547.025+/-2134.009 χ^2/NDF:0.9/3

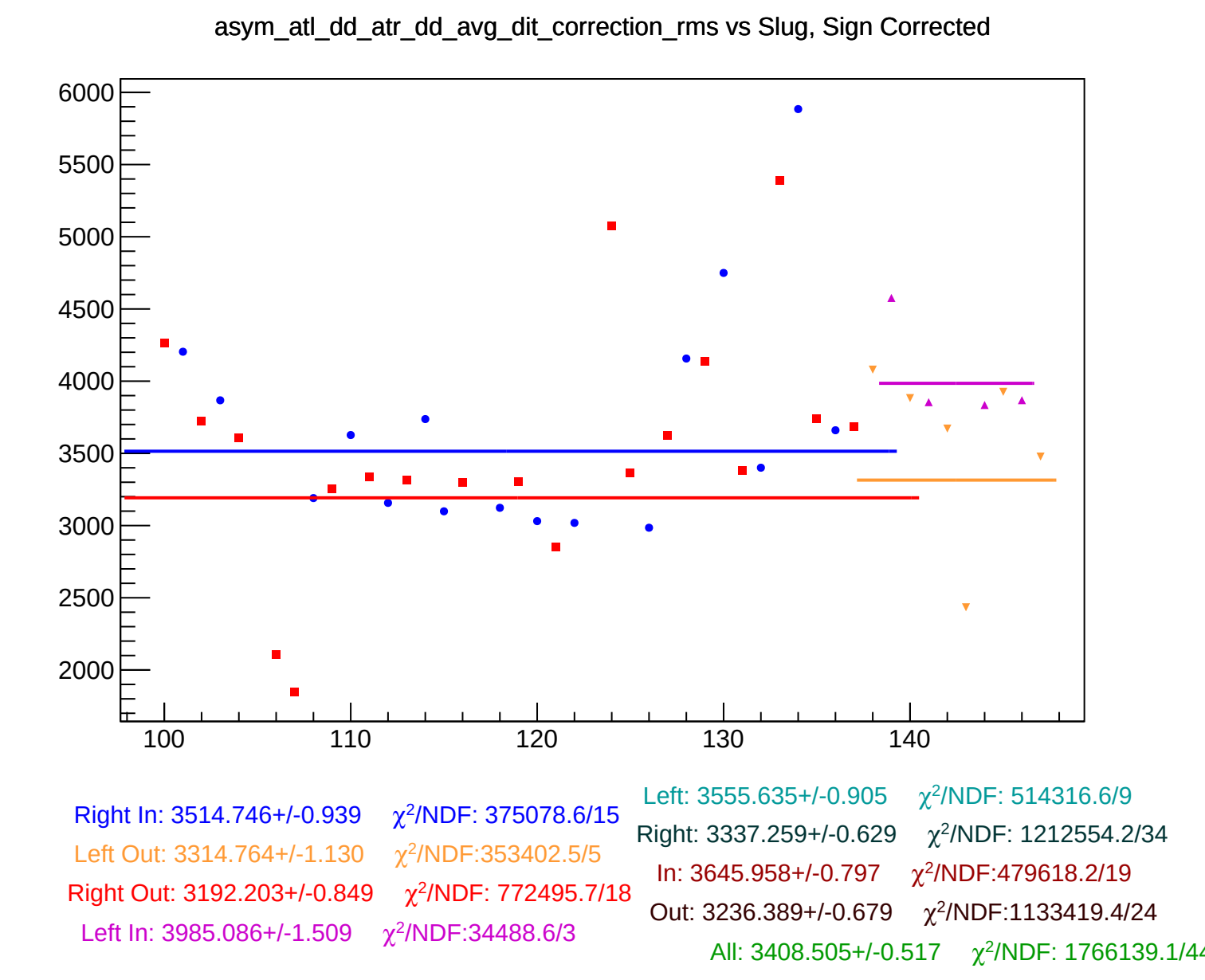
Left: -2009.324+/-1279.226 χ^2/NDF: 7.1/9

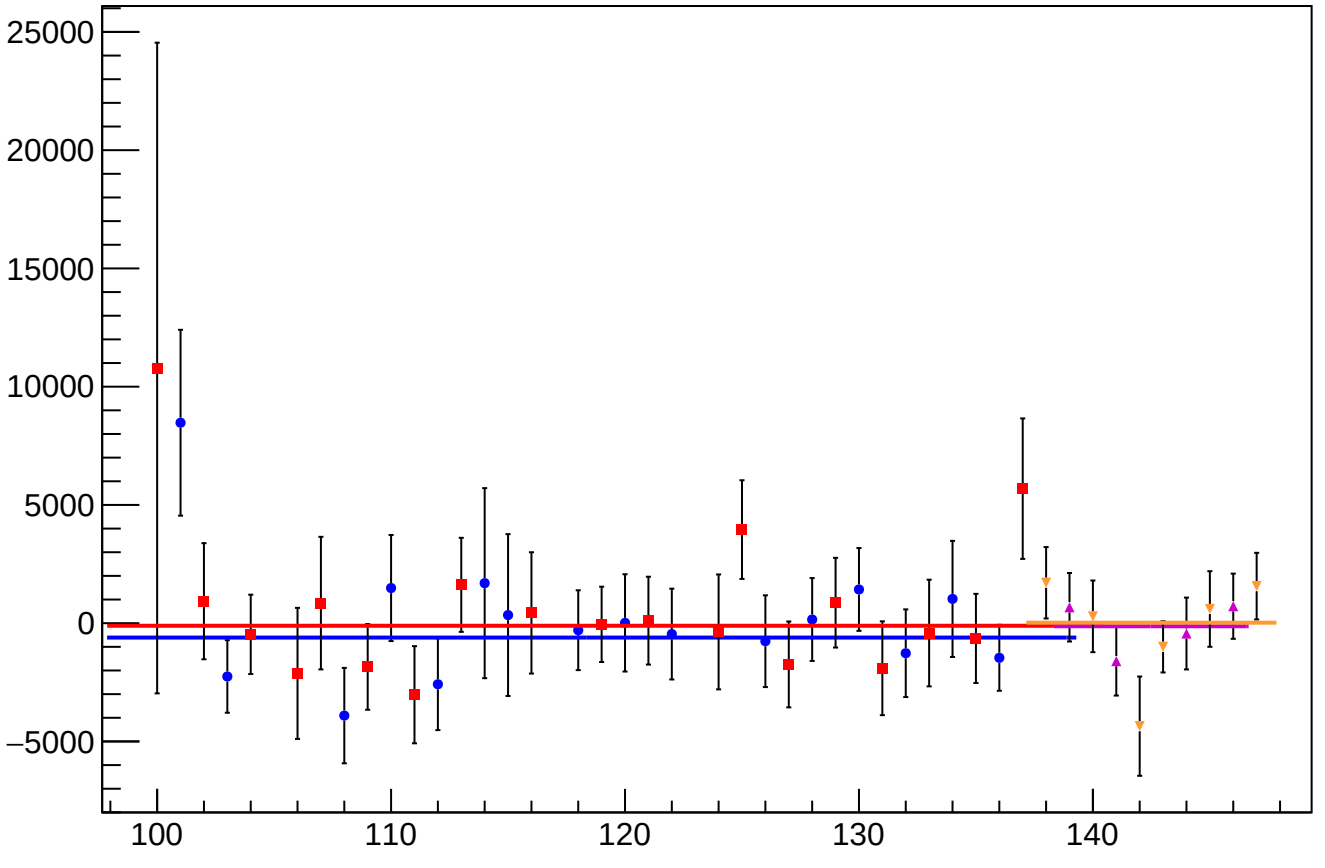
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 484.825+/-1127.138 χ^2/NDF:15.3/19

Out: -1006.876+/-959.619 χ^2/NDF:24.4/24

All: -380.009+/-730.675 χ^2/NDF: 40.7/44


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
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3314.764+/-1.130 χ²/NDF:353402.5/5
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 3985.086+/-1.509 χ²/NDF:34488.6/3
Left: 3555.635+/-0.905 χ²/NDF: 514316.6/9
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3645.958+/-0.797 χ²/NDF:479618.2/19
Out: 3236.389+/-0.679 χ²/NDF:1133419.4/24
All: 3408.505+/-0.517 χ²/NDF: 1766139.1/44



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -129.179+/-723.926 χ^2/NDF:1.8/3

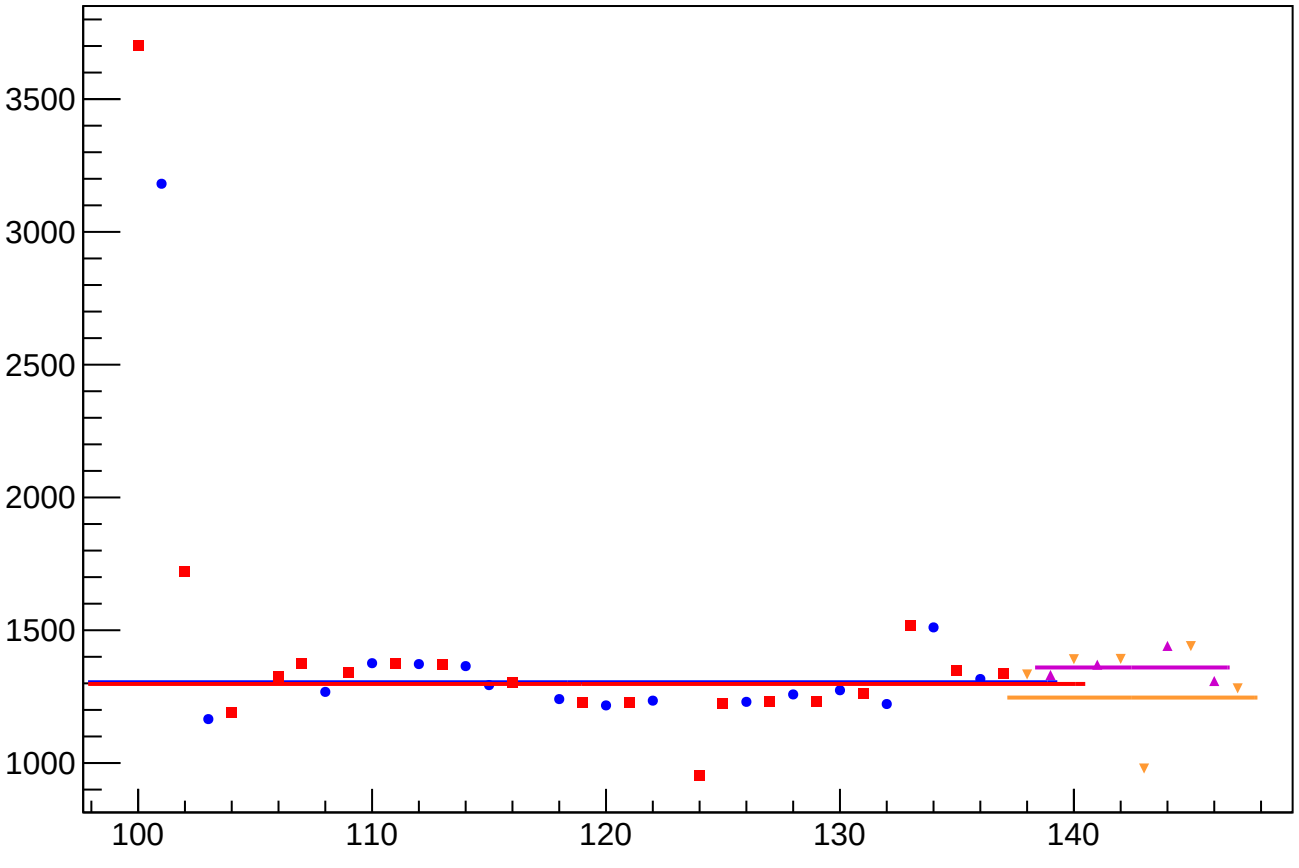
Left: -38.938+/-458.538 χ^2/NDF: 9.6/9

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -455.684+/-408.150 χ^2/NDF:16.2/19

Out: -56.339+/-375.571 χ^2/NDF:22.7/24

All: -239.439+/-276.370 χ^2/NDF: 39.4/44



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1246.467+/-0.419 χ^2/NDF:186569.0/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

Left: 1291.927+/-0.324 χ^2/NDF: 225221.3/9

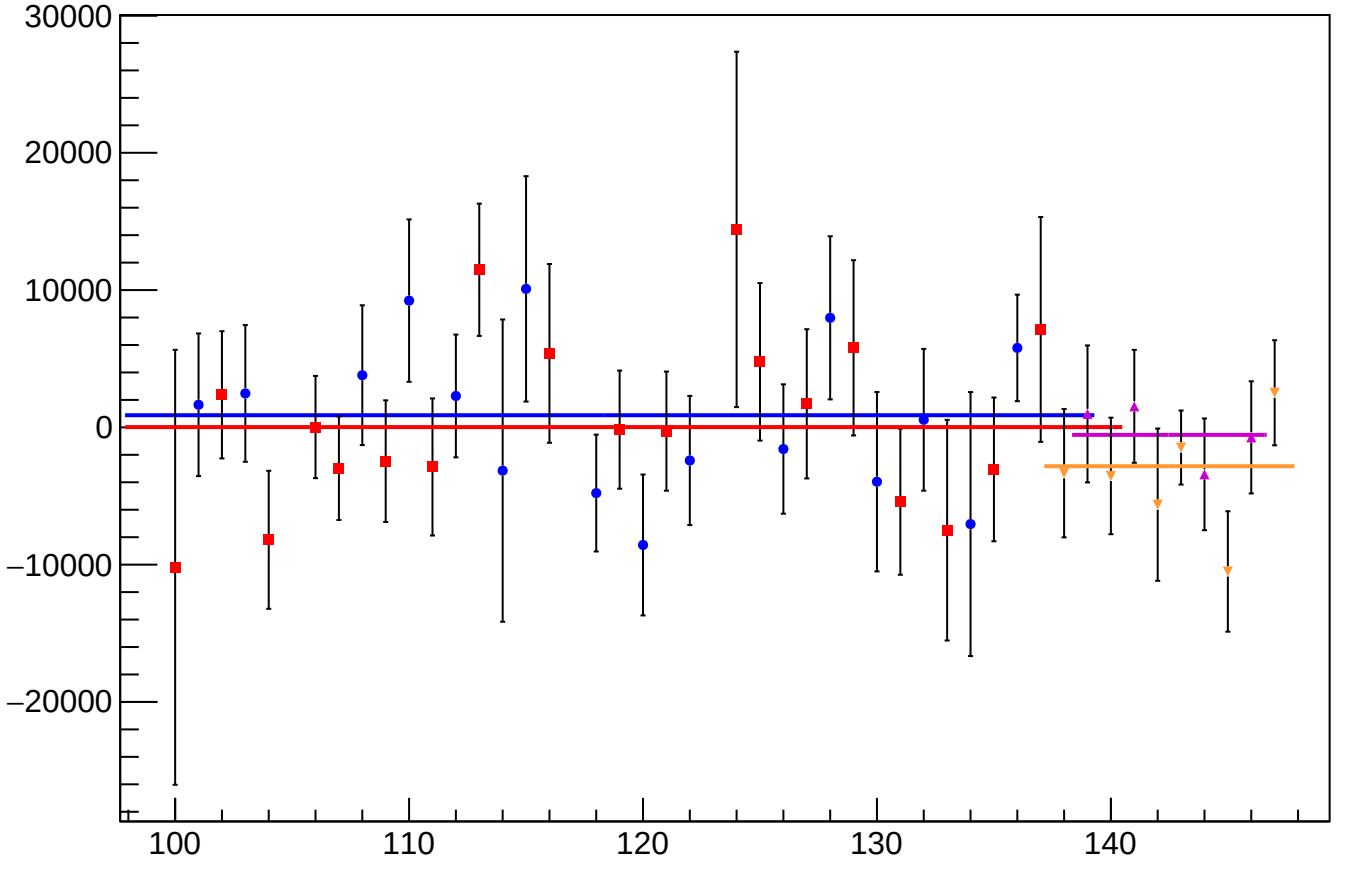
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1321.799+/-0.289 χ^2/NDF:527971.4/19

Out: 1277.195+/-0.265 χ^2/NDF:408649.7/24

All: 1297.636+/-0.195 χ^2/NDF: 949560.6/44

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -547.021+/-2134.013 χ^2/NDF:0.9/3

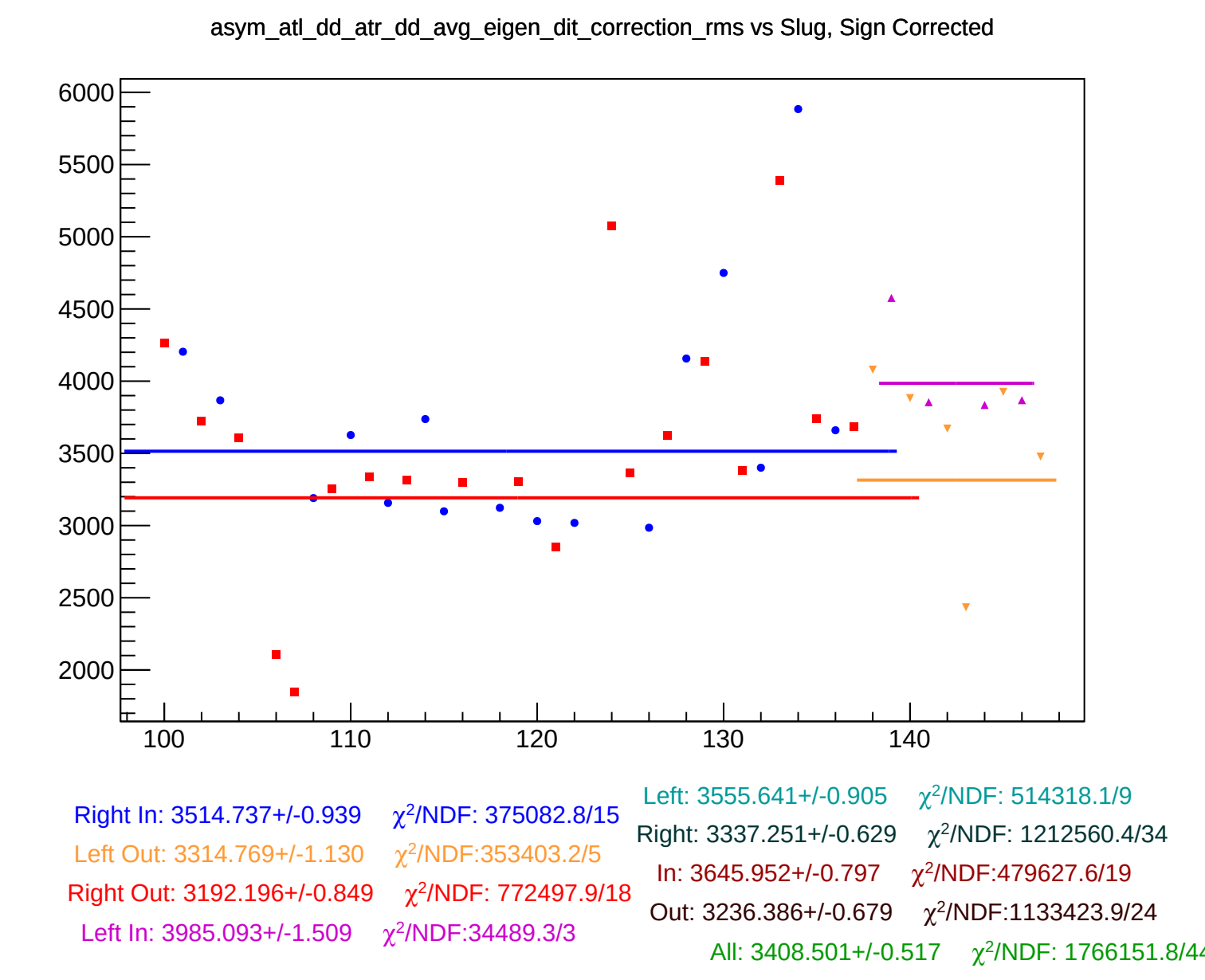
Left: -2009.323+/-1279.228 χ^2/NDF: 7.1/9

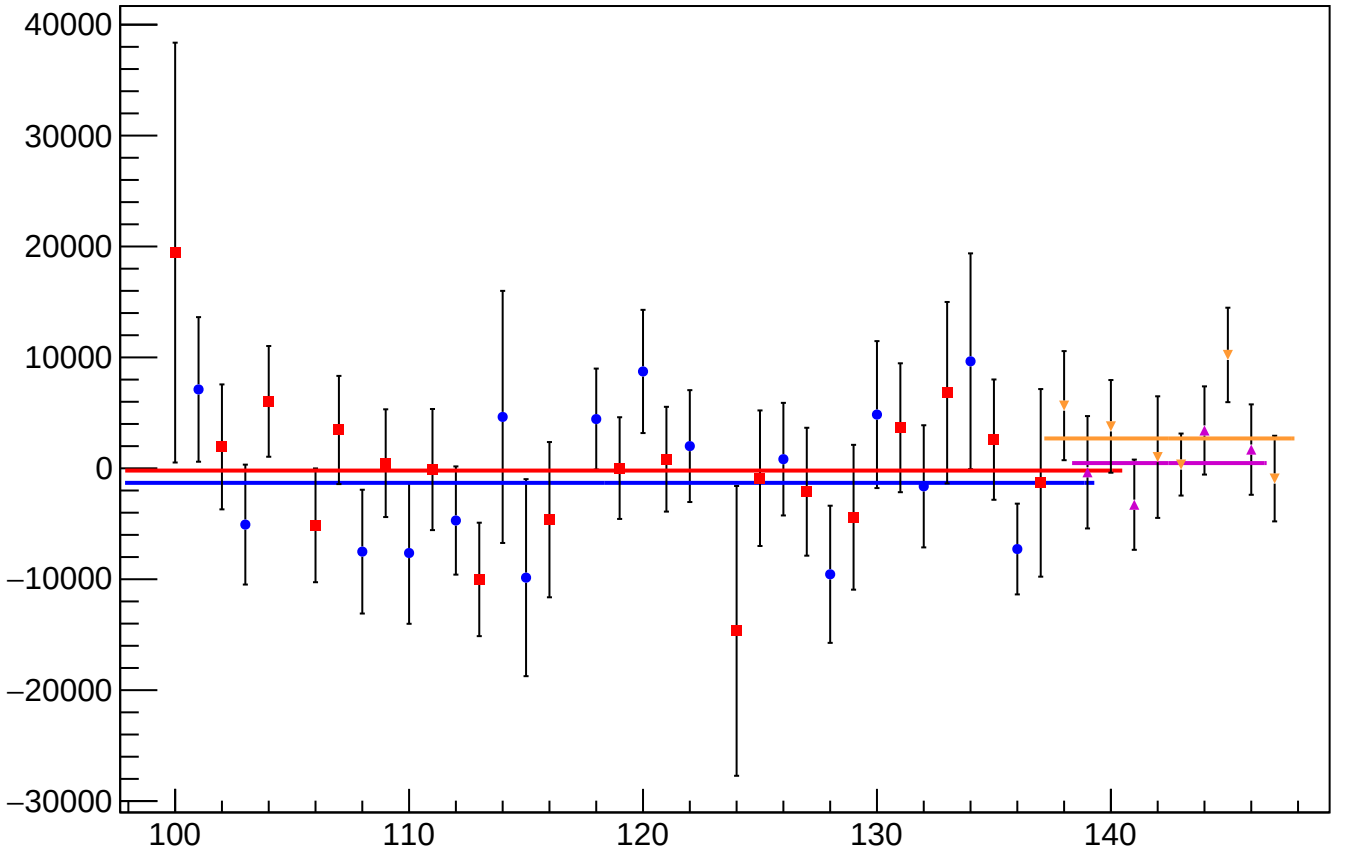
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 484.820+/-1127.137 χ^2/NDF:15.3/19

Out: -1006.874+/-959.618 χ^2/NDF:24.4/24

All: -380.009+/-730.674 χ^2/NDF: 40.7/44


asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3314.769+/-1.130 χ²/NDF:353403.2/5
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 3985.093+/-1.509 χ²/NDF:34489.3/3
Left: 3555.641+/-0.905 χ²/NDF: 514318.1/9
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3645.952+/-0.797 χ²/NDF:479627.6/19
Out: 3236.386+/-0.679 χ²/NDF:1133423.9/24
All: 3408.501+/-0.517 χ²/NDF: 1766151.8/44



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2693.475+/-1617.614 χ^2/NDF:5.2/5

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 473.106+/-2118.256 χ^2/NDF:1.5/3

Left: 1875.592+/-1285.617 χ^2/NDF: 7.4/9

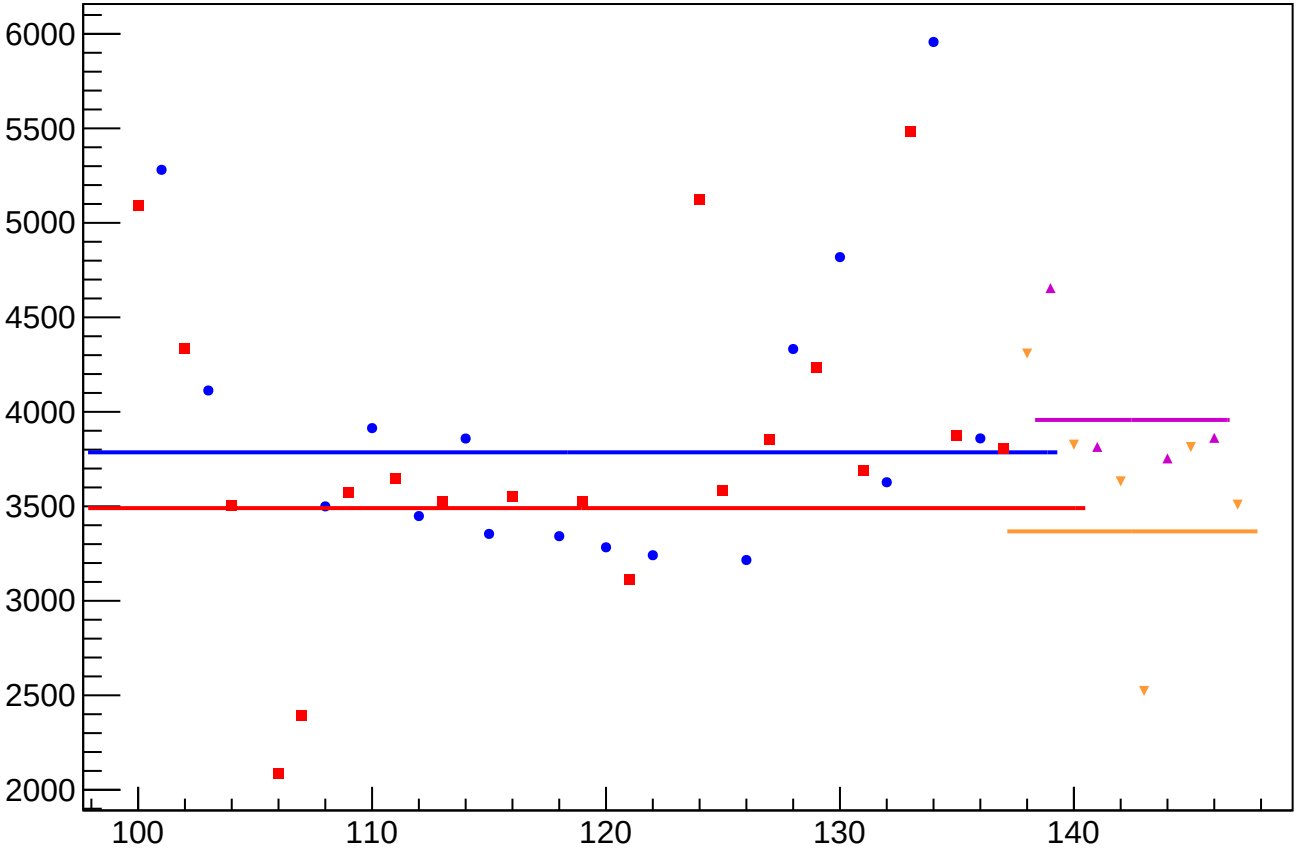
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -750.457+/-1186.132 χ^2/NDF:19.6/19

Out: 972.460+/-1030.124 χ^2/NDF:18.8/24

All: 231.684+/-777.758 χ^2/NDF: 39.6/44

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3367.456+/-1.144 χ^2/NDF:309162.1/5

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

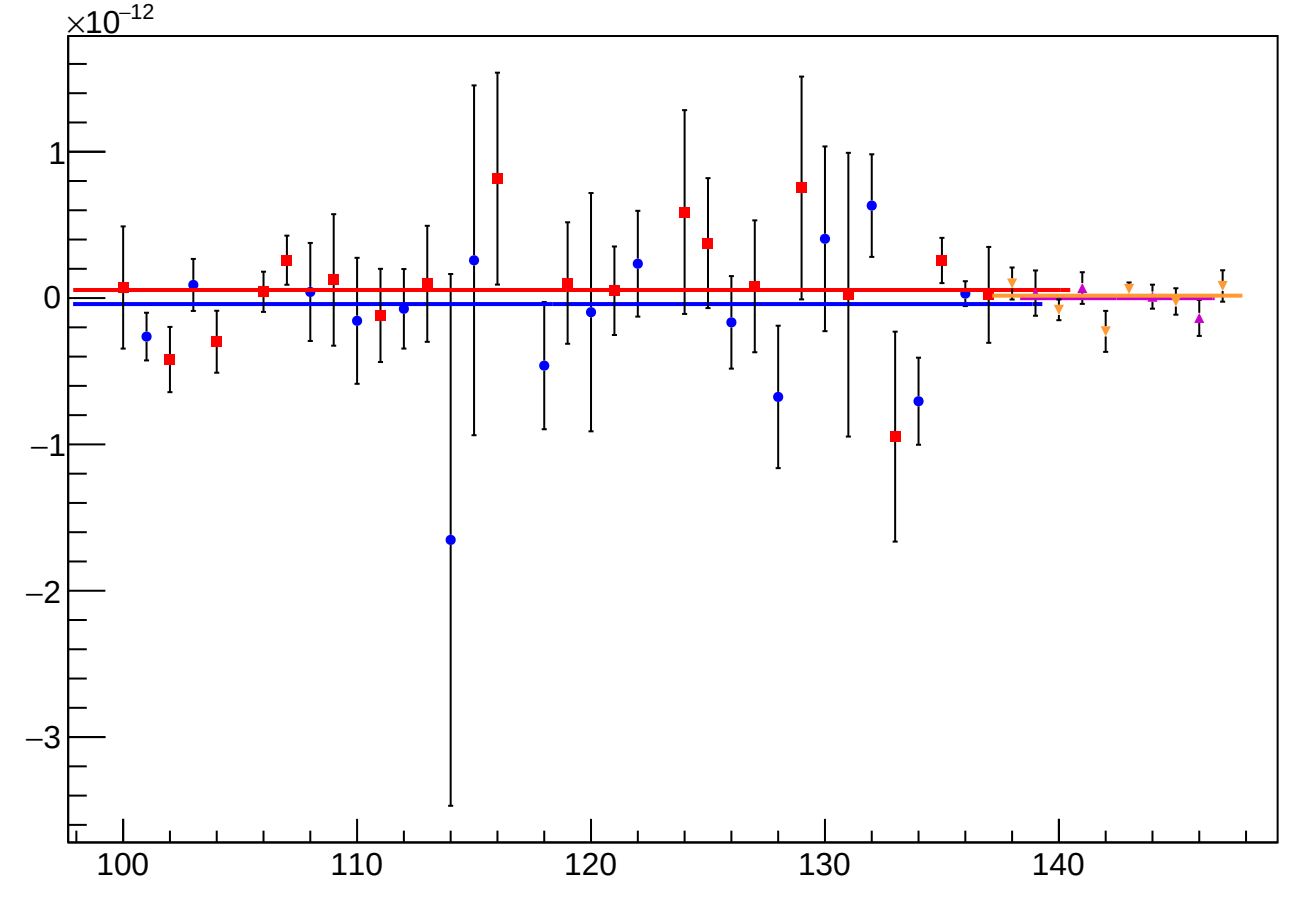
Left: 3584.704+/-0.909 χ^2/NDF: 453824.0/9

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3839.535+/-0.839 χ^2/NDF:438717.7/19

Out: 3441.482+/-0.722 χ^2/NDF:902845.5/24

All: 3611.029+/-0.547 χ^2/NDF: 1470866.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

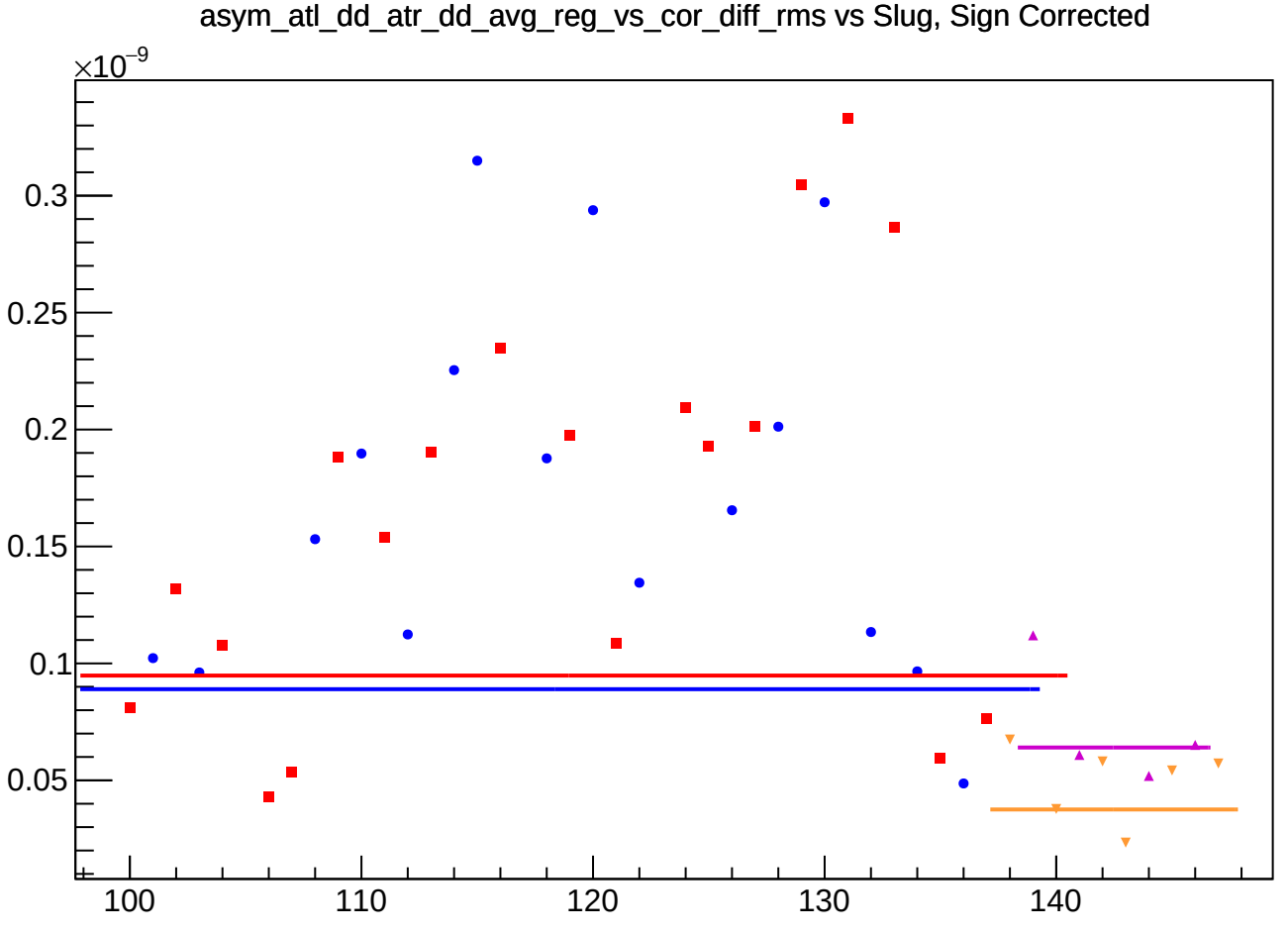
Left: 0.000+/-0.000 χ^2/NDF: 8.9/9

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:18.6/19

Out: 0.000+/-0.000 χ^2/NDF:23.3/24

All: 0.000+/-0.000 χ^2/NDF: 42.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

Left: 0.000+/-0.000 χ^2/NDF: 1136058.7/9

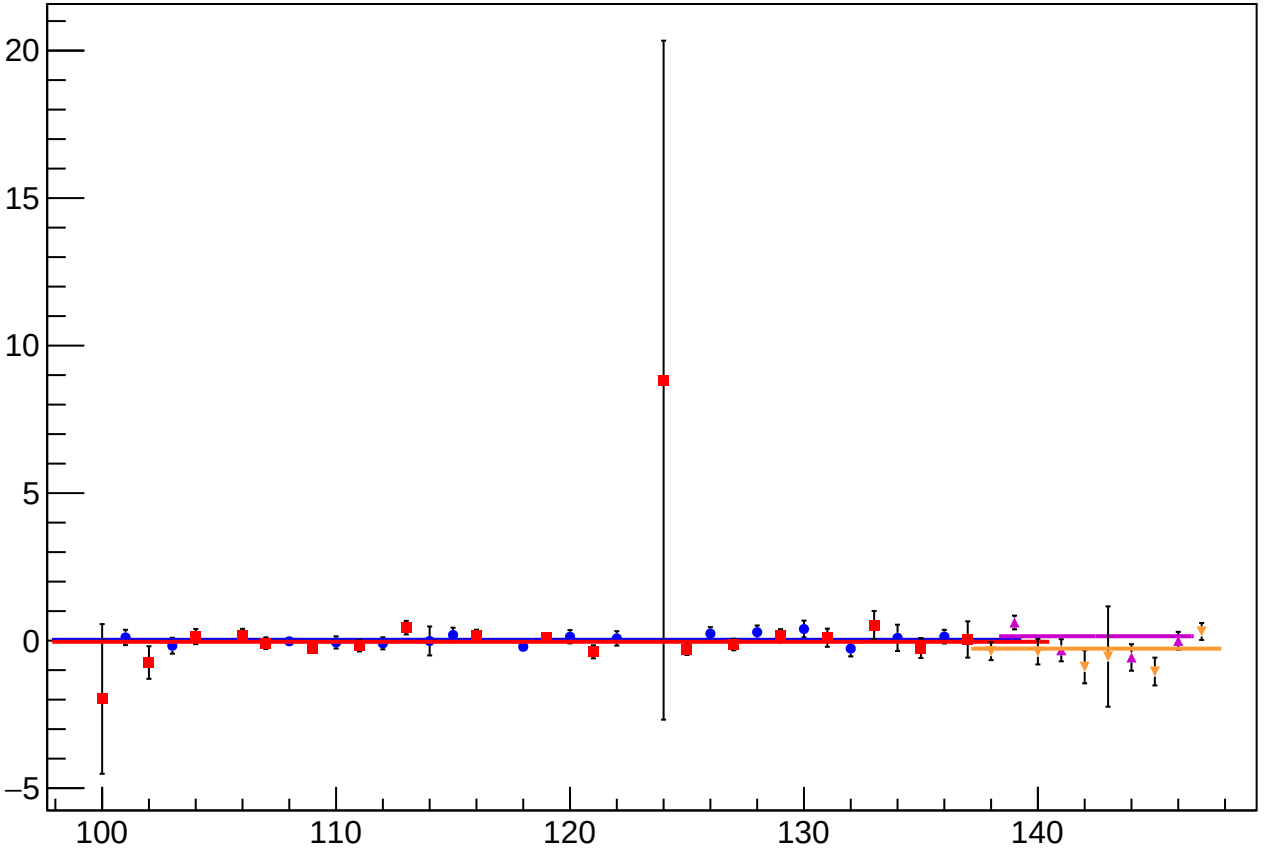
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1892769.8/19

Out: 0.000+/-0.000 χ^2/NDF:3572562.2/24

All: 0.000+/-0.000 χ^2/NDF: 6091735.2/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

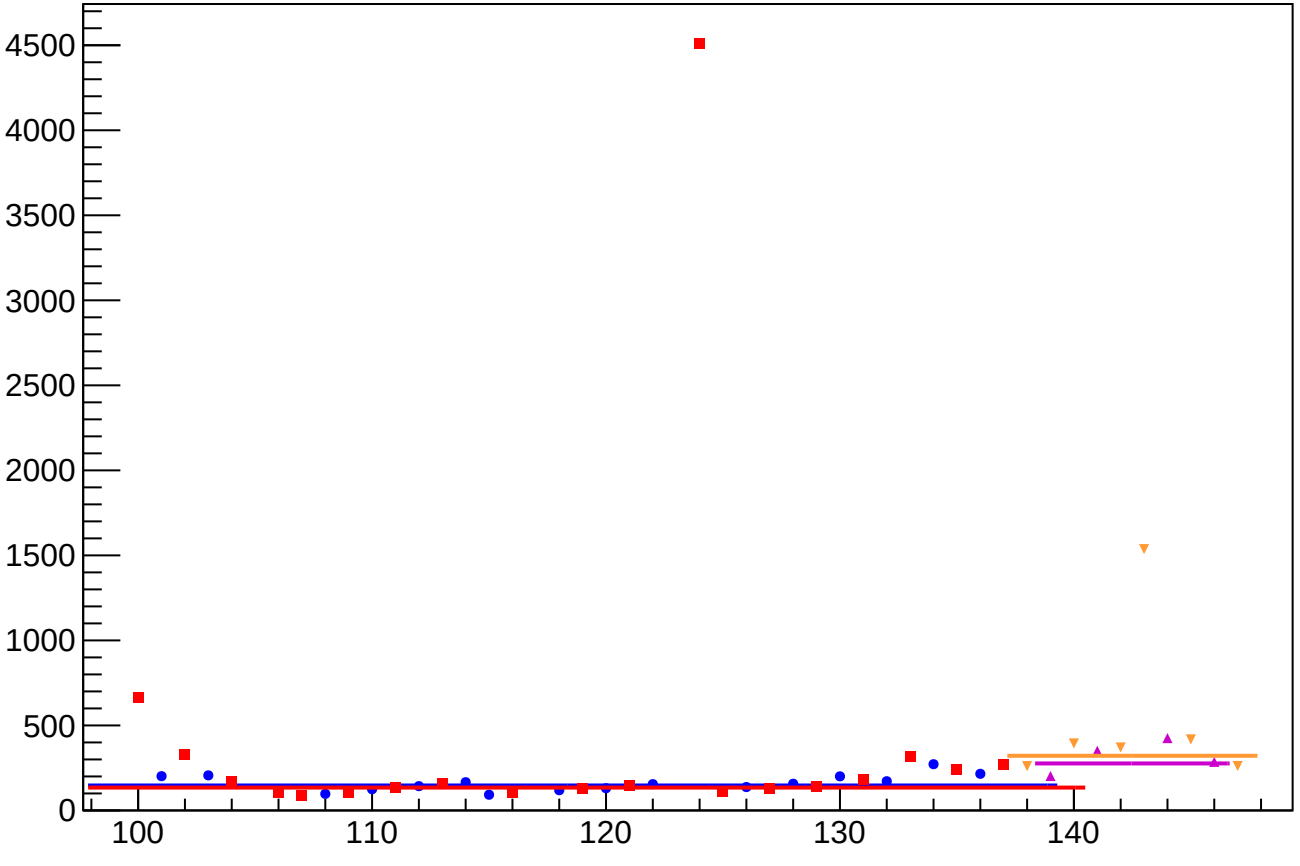
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

Left: 297.611+/-0.080 χ^2/NDF: 1925516.1/9

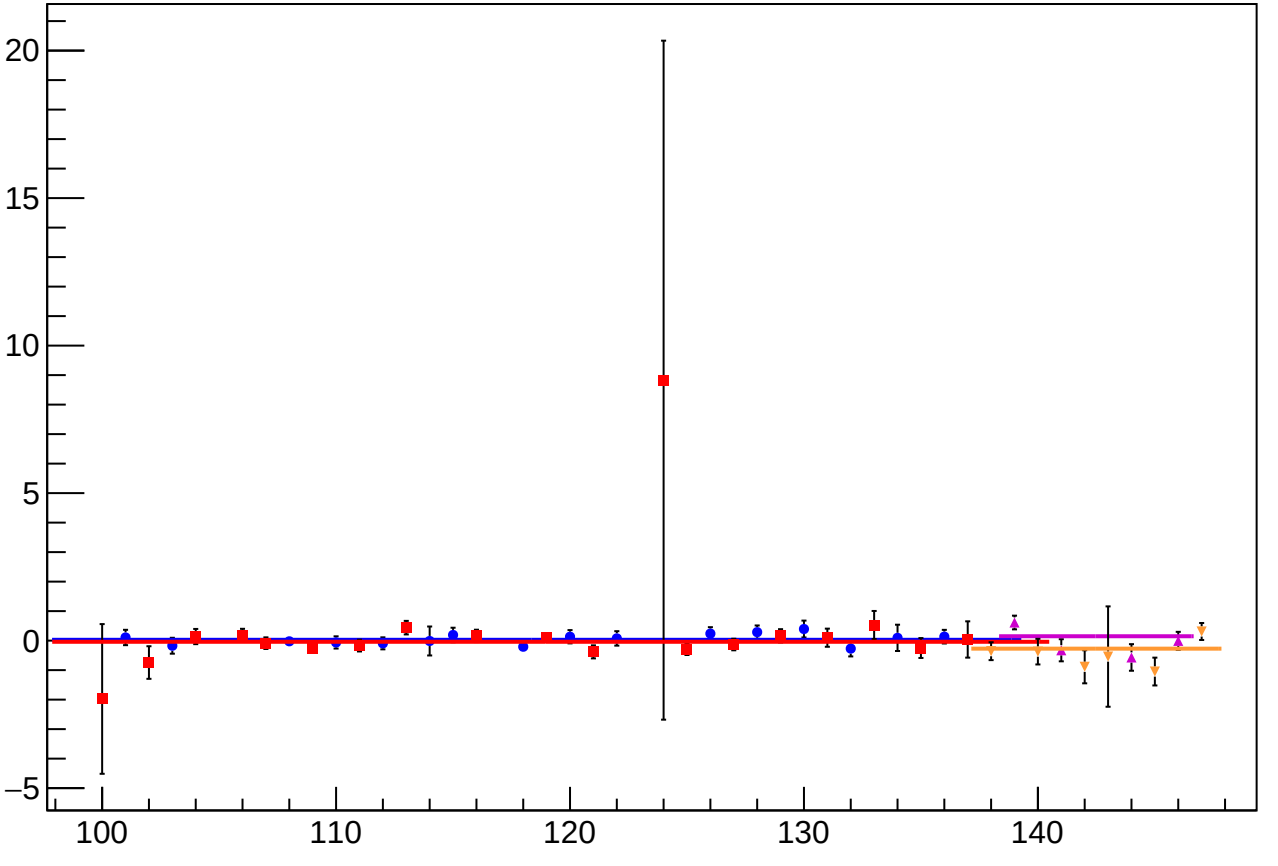
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

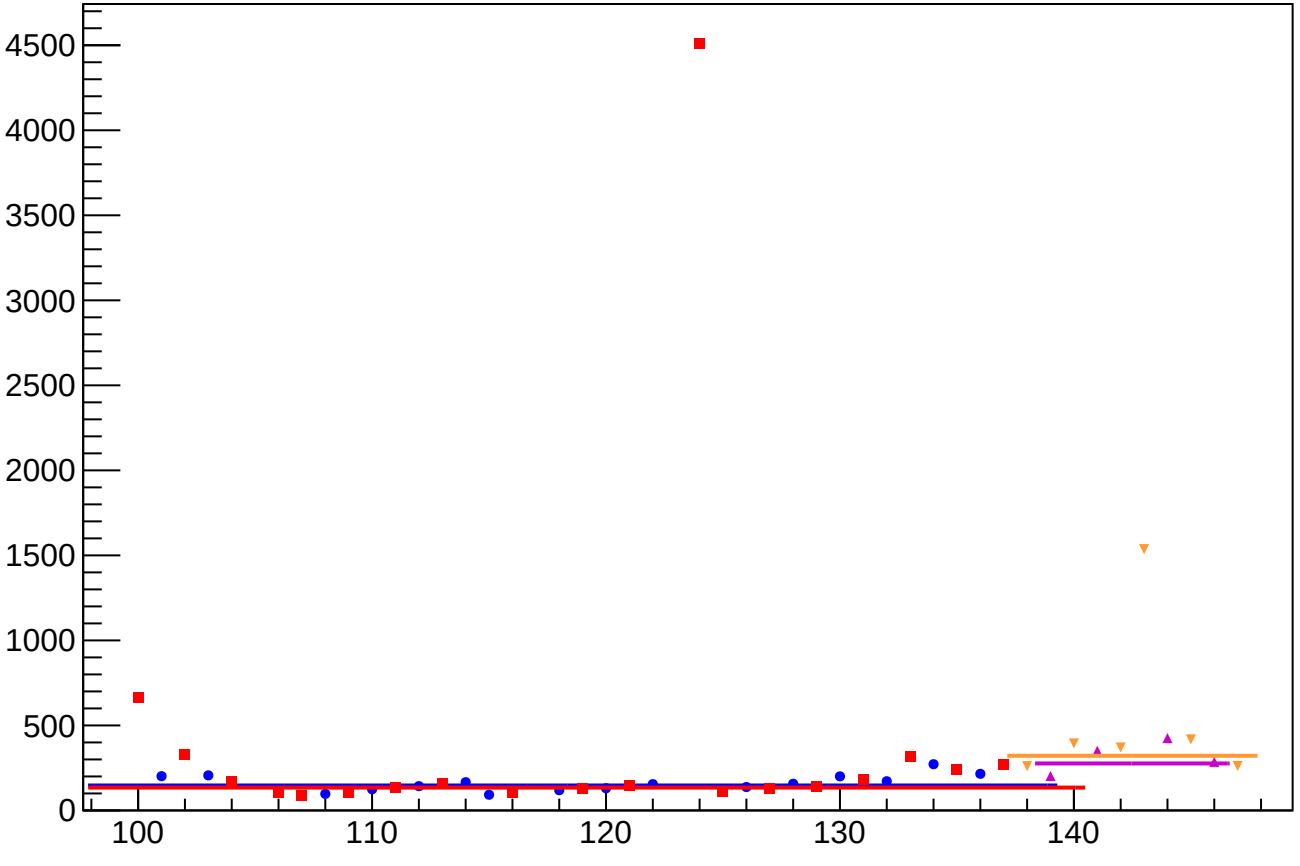
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

Left: 297.611+/-0.080 χ^2/NDF: 1925516.1/9

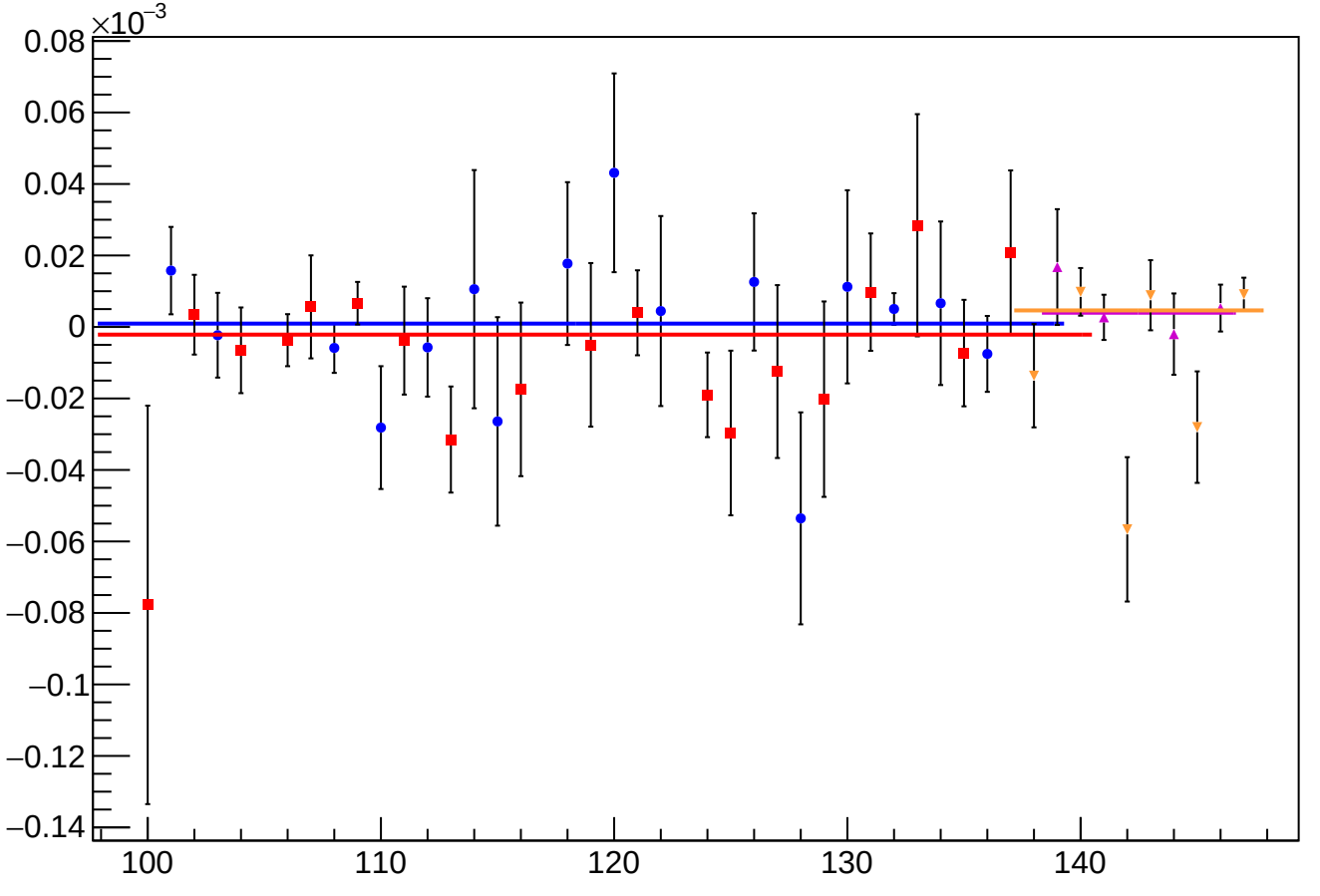
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

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:16.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

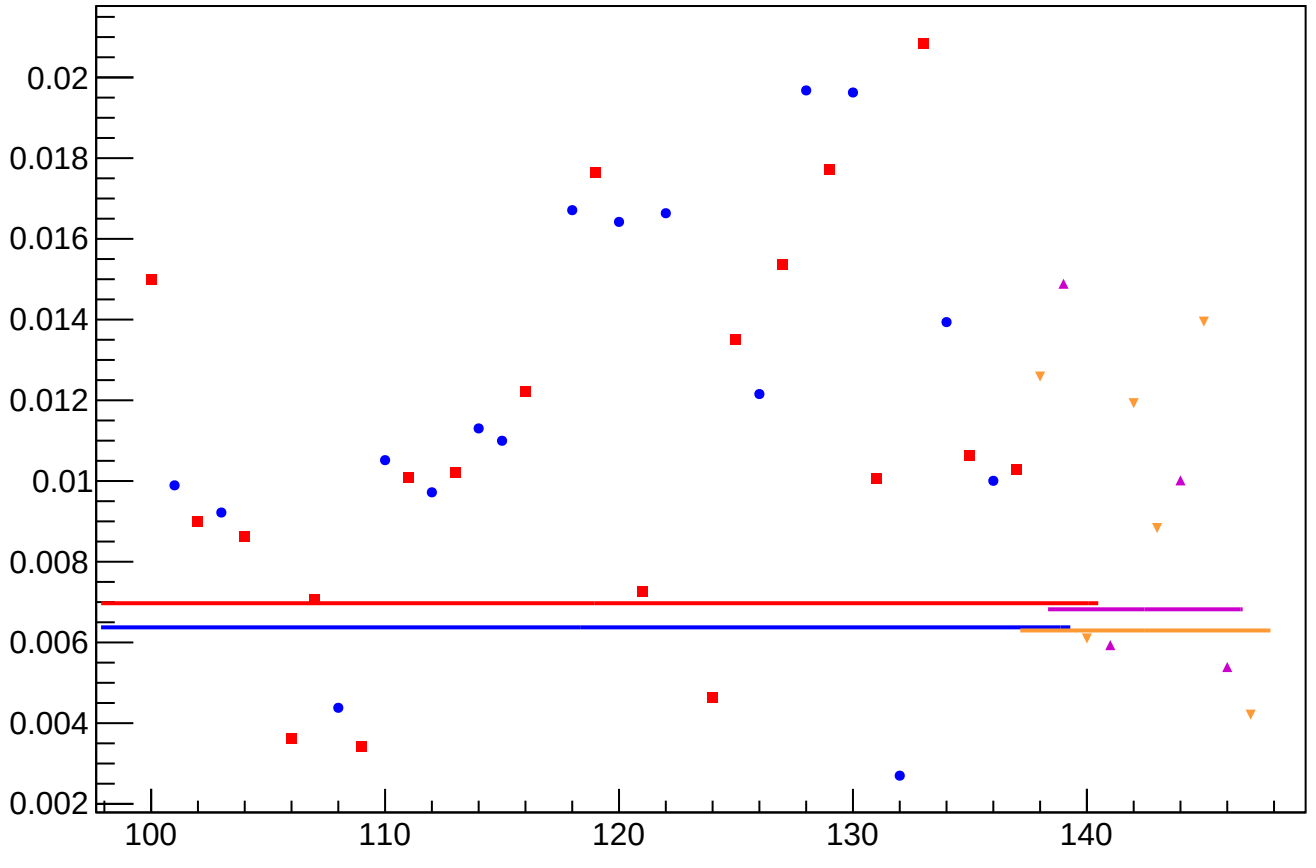
Left: 0.000+/-0.000 χ^2/NDF: 17.9/9

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:16.2/19

Out: 0.000+/-0.000 χ^2/NDF:35.3/24

All: 0.000+/-0.000 χ^2/NDF: 51.6/44



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1557715.0/5

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

Left: 0.007+/-0.000 χ^2/NDF: 2365957.8/9

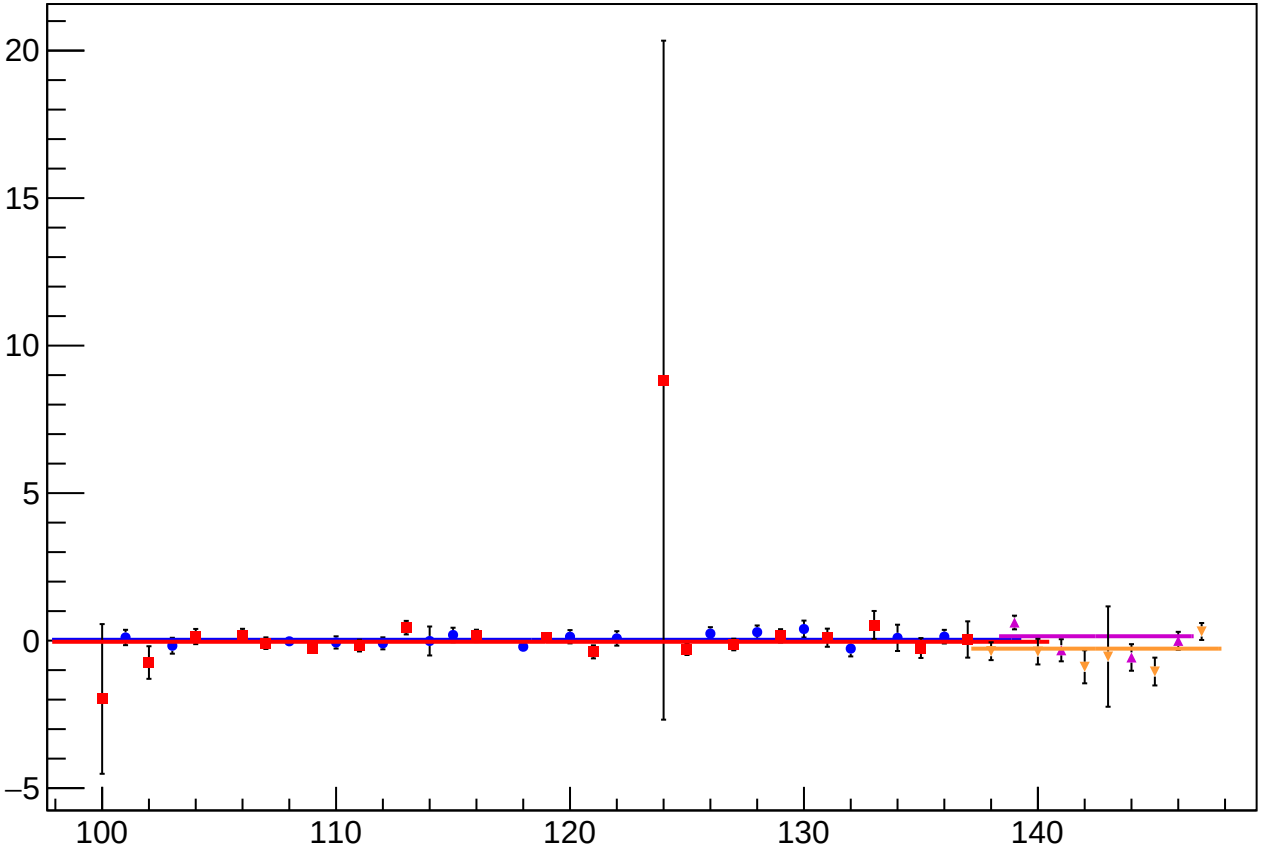
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5443979.9/19

Out: 0.007+/-0.000 χ^2/NDF:5013010.4/24

All: 0.007+/-0.000 χ^2/NDF: 10460718.8/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

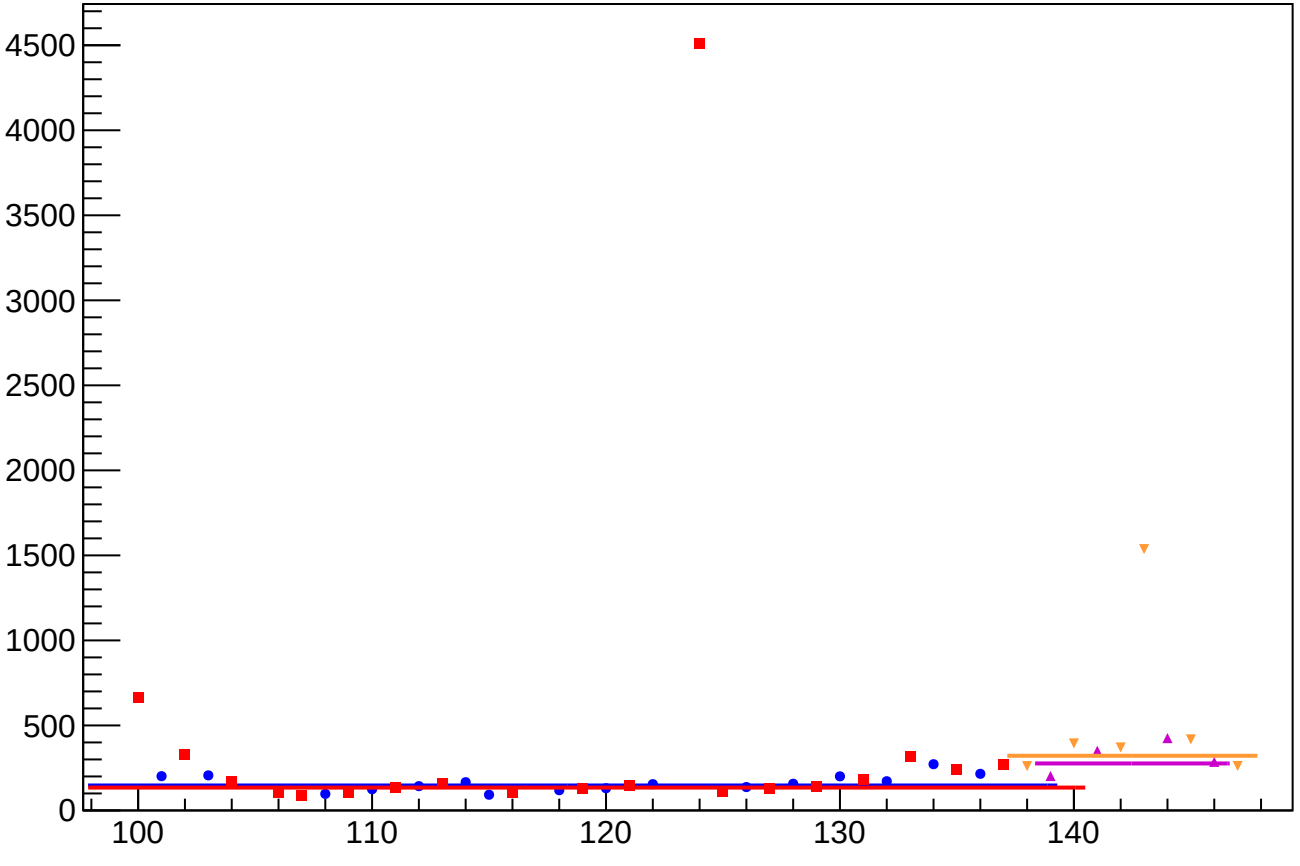
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

Left: 297.615+/-0.080 χ^2/NDF: 1925490.3/9

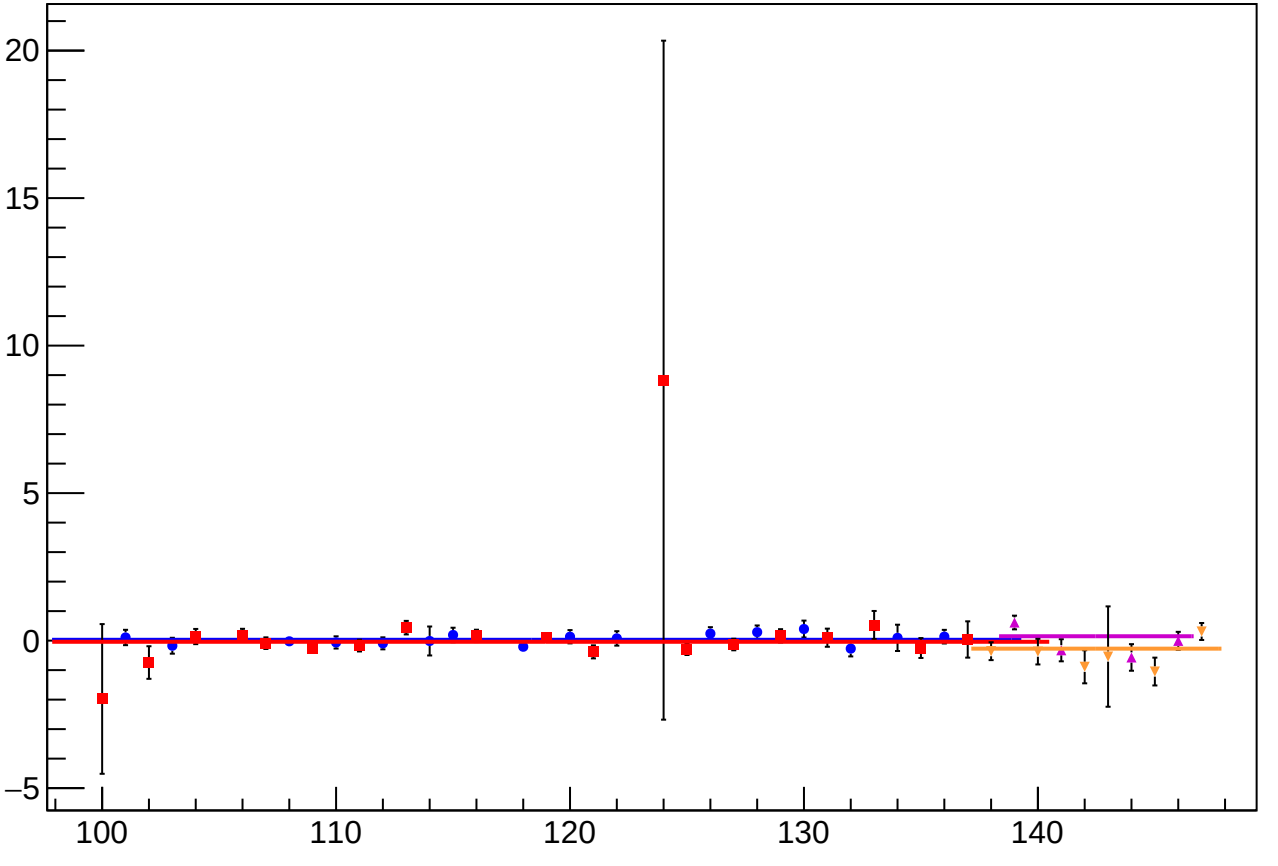
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

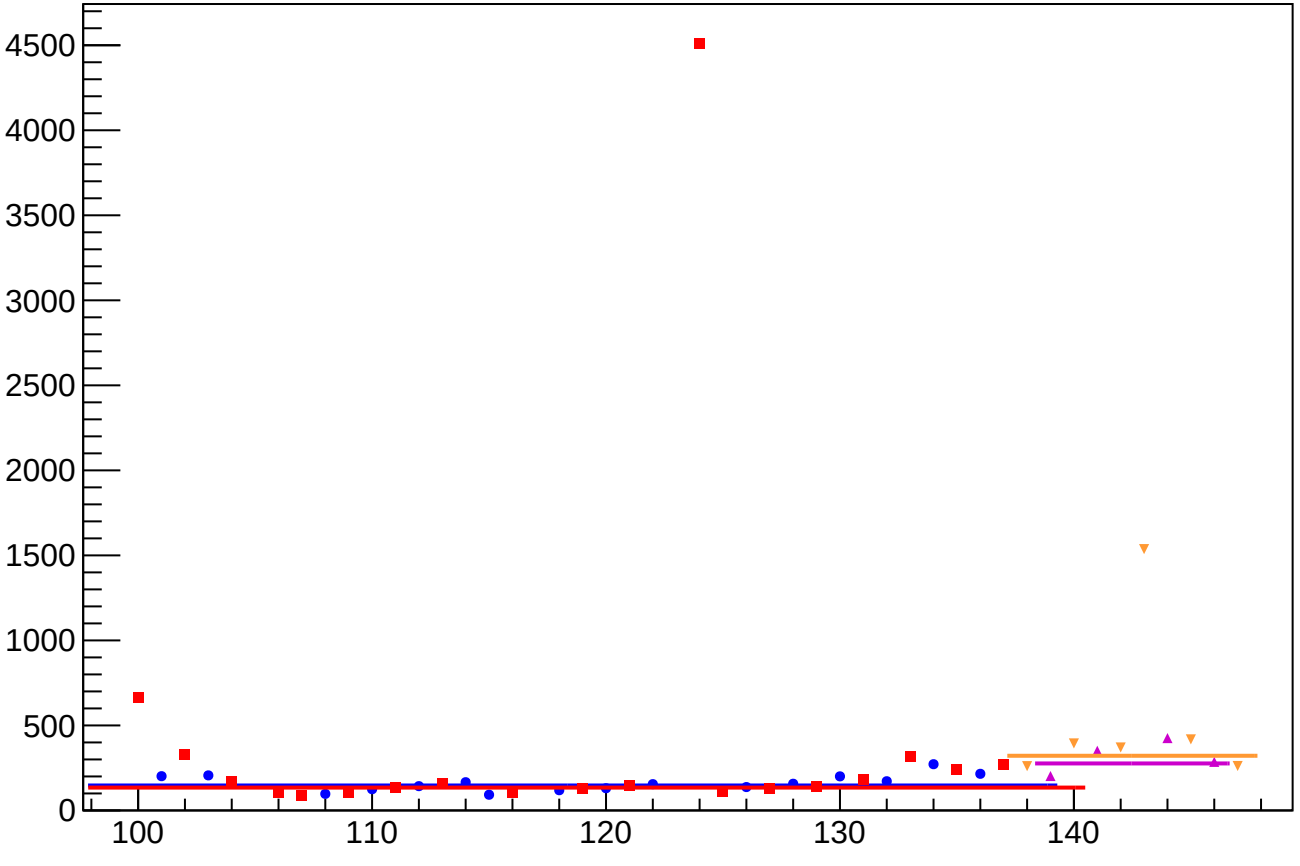
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

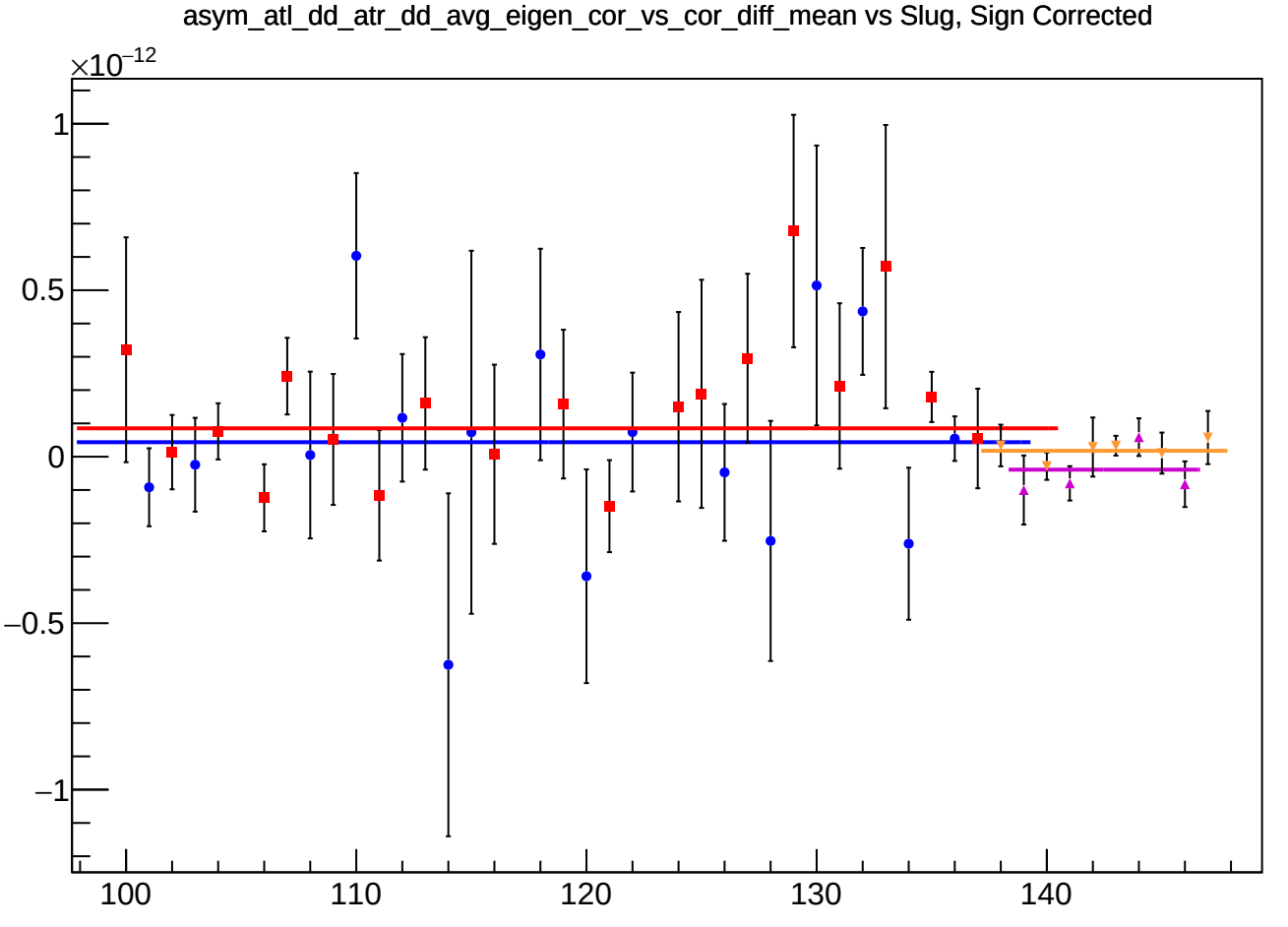
Left: 297.615+/-0.080 χ^2/NDF: 1925490.3/9

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/3

Left: 0.000+/-0.000 χ^2/NDF: 8.5/9

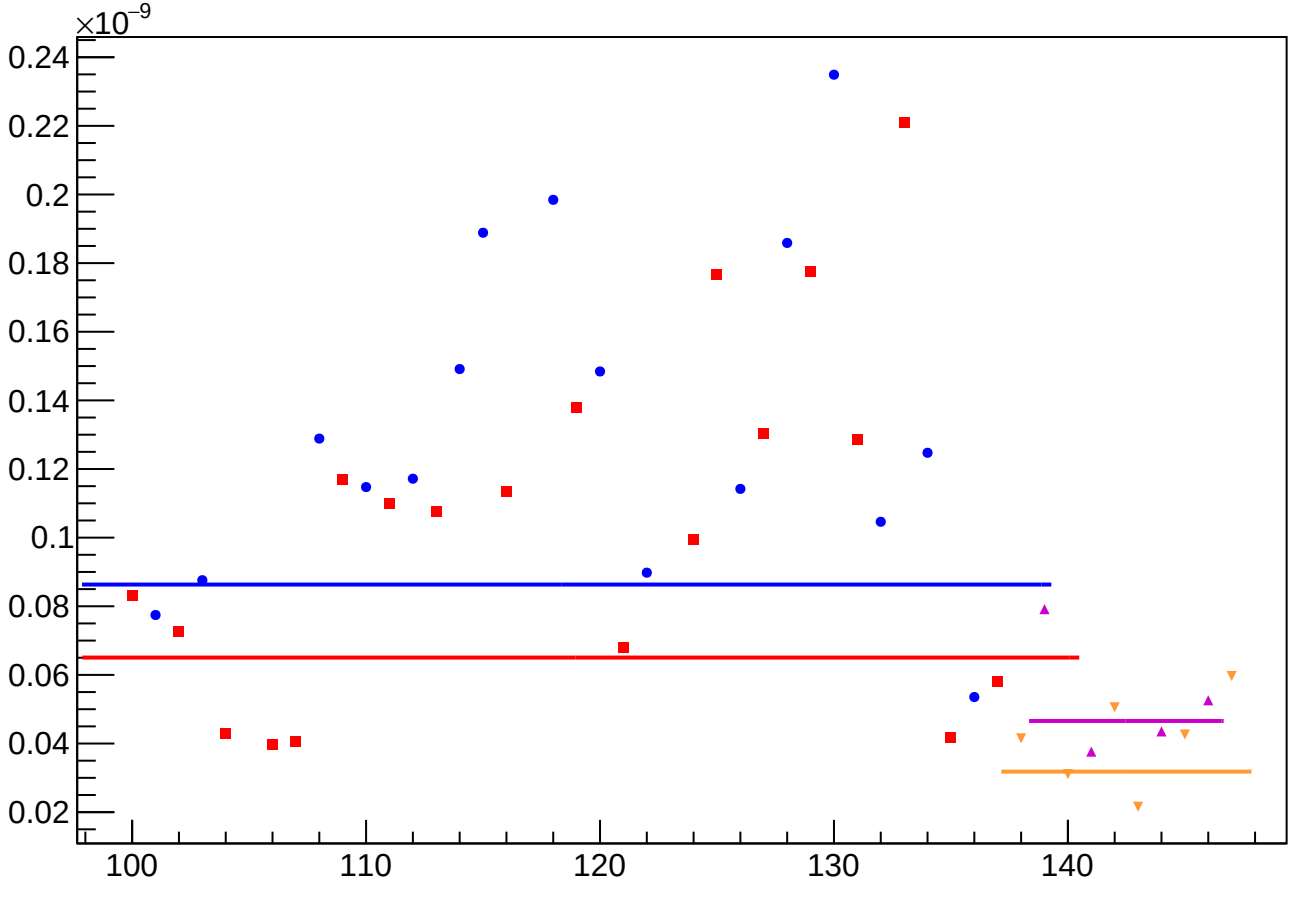
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/19

Out: 0.000+/-0.000 χ^2/NDF:23.0/24

All: 0.000+/-0.000 χ^2/NDF: 50.8/44

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:681541.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

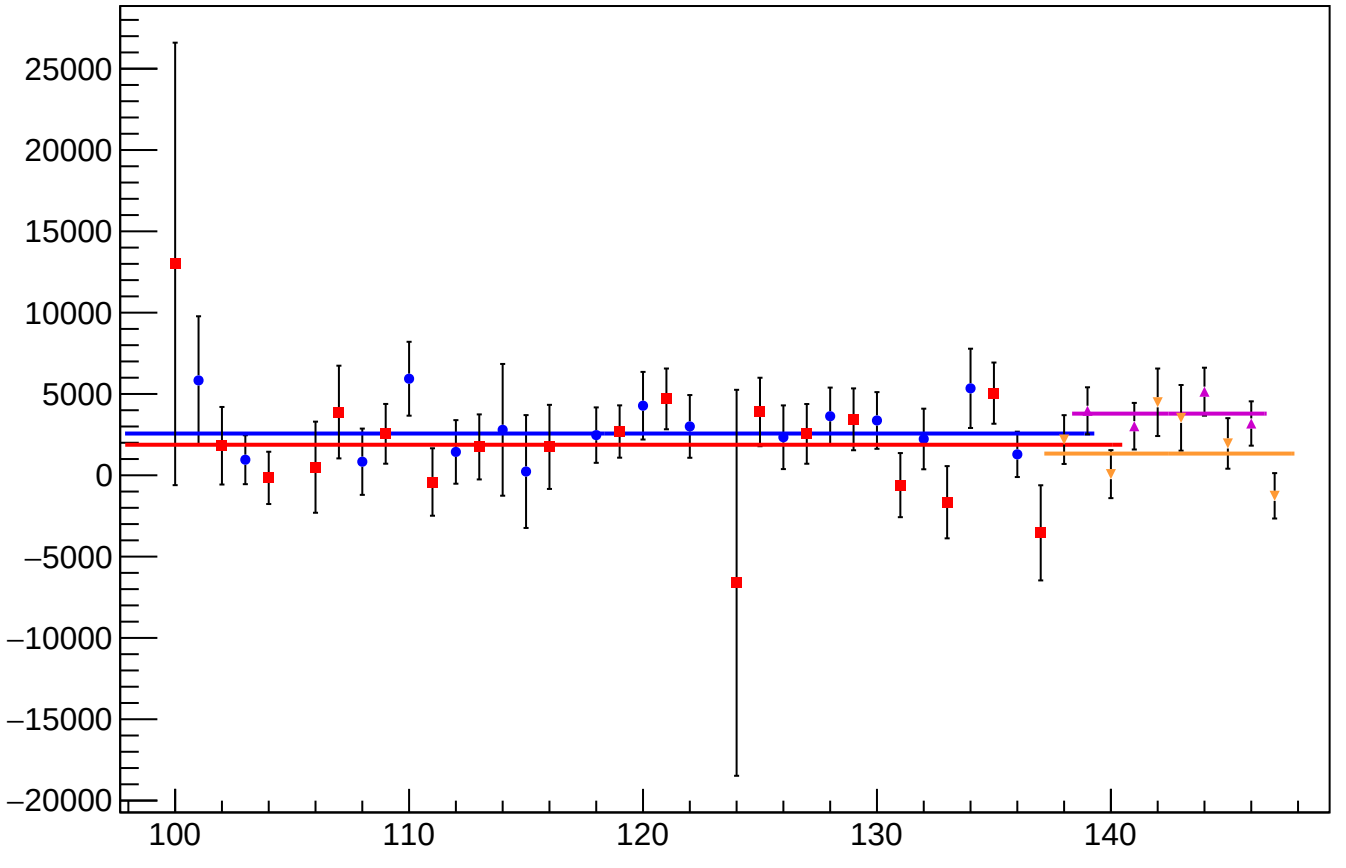
Left: 0.000+/-0.000 χ^2/NDF: 1271028.9/9

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2959604.3/19

Out: 0.000+/-0.000 χ^2/NDF:4251263.5/24

All: 0.000+/-0.000 χ^2/NDF: 8103120.6/44



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1334.692+/-658.176 χ^2/NDF:8.2/5

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 3791.341+/-713.605 χ^2/NDF:1.3/3

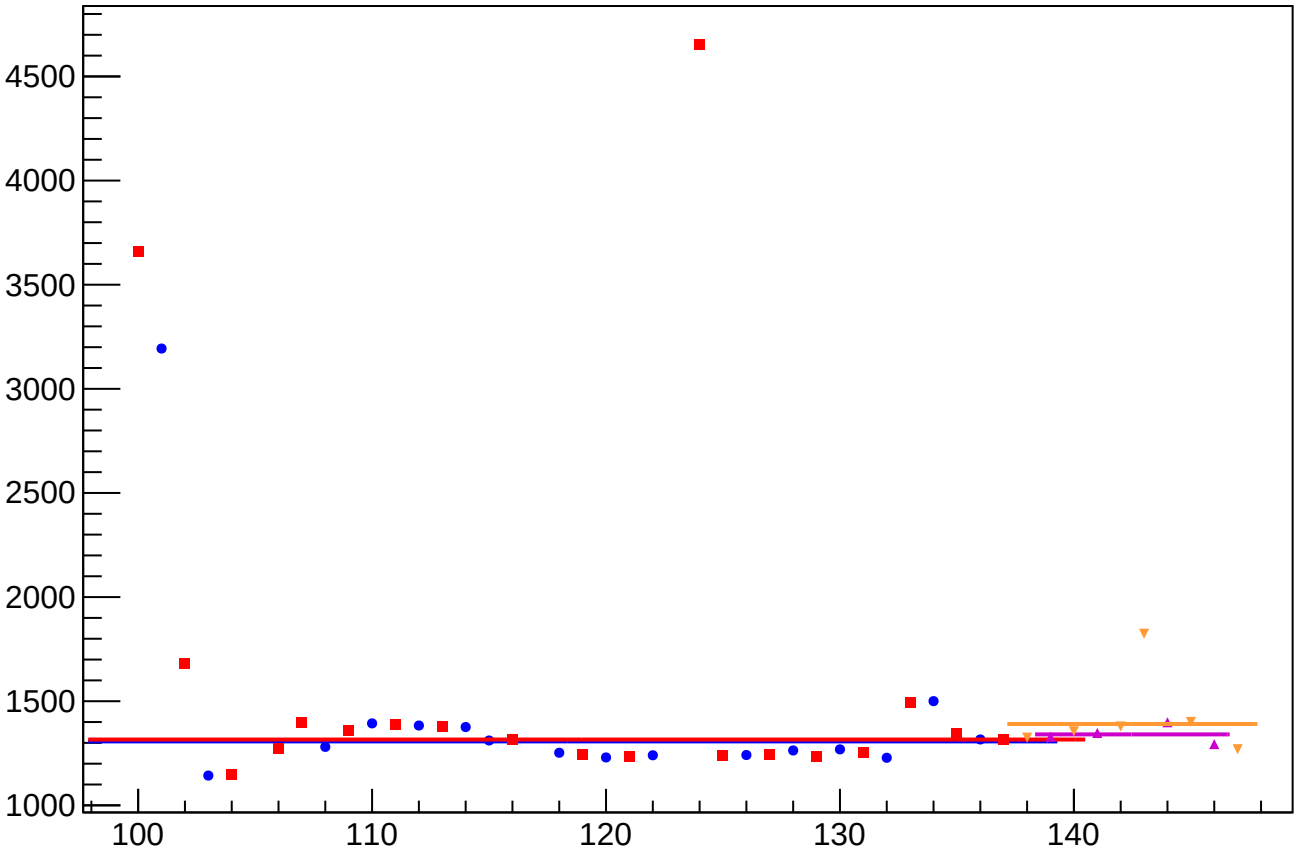
Left: 2463.915+/-483.811 χ^2/NDF: 15.9/9

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2965.440+/-406.929 χ^2/NDF:12.4/19

Out: 1681.877+/-395.462 χ^2/NDF:28.2/24

All: 2305.318+/-283.601 χ^2/NDF: 45.6/44



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1390.641+/-0.465 χ^2/NDF:112384.8/5

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

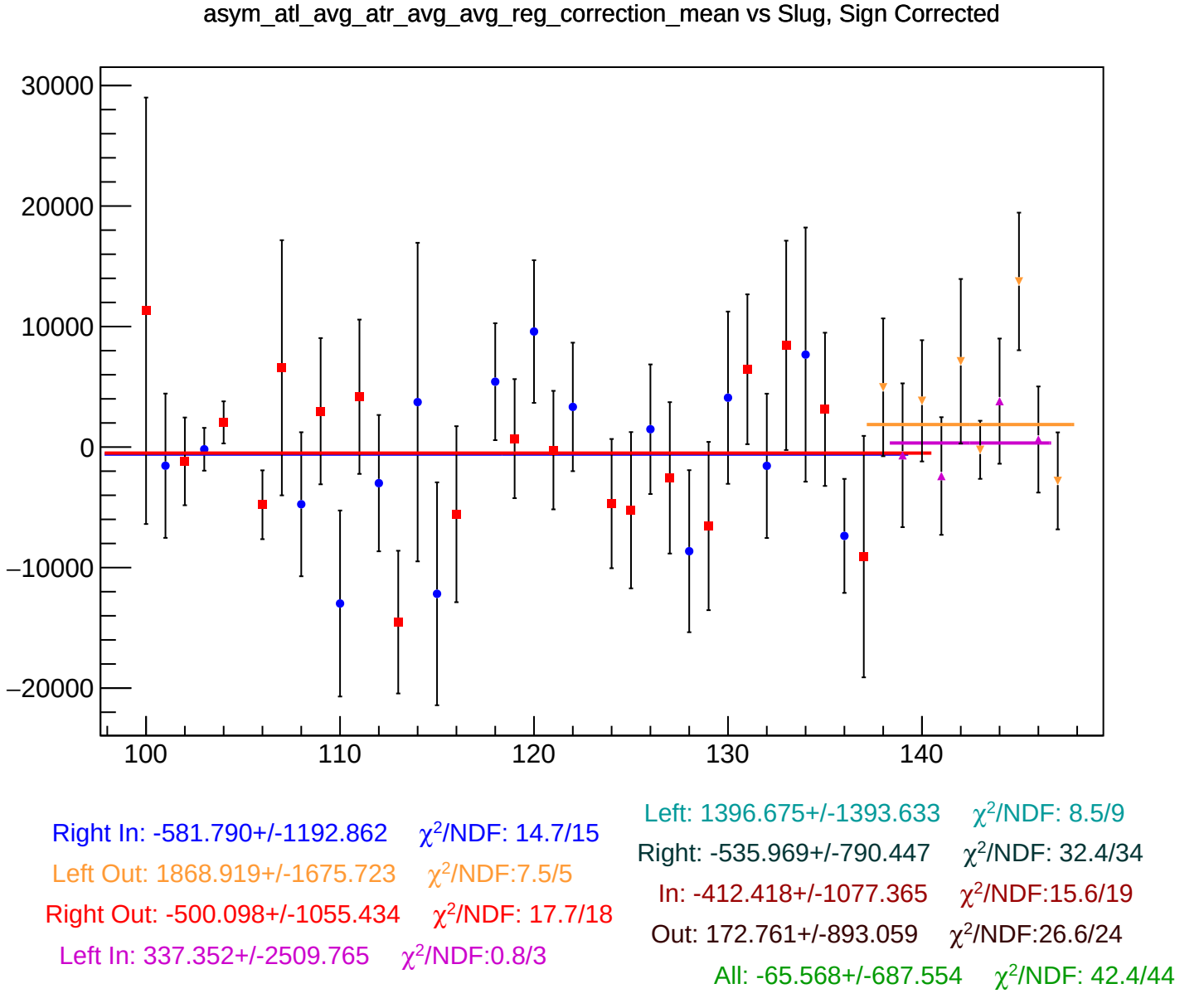
Left: 1367.679+/-0.342 χ^2/NDF: 123307.0/9

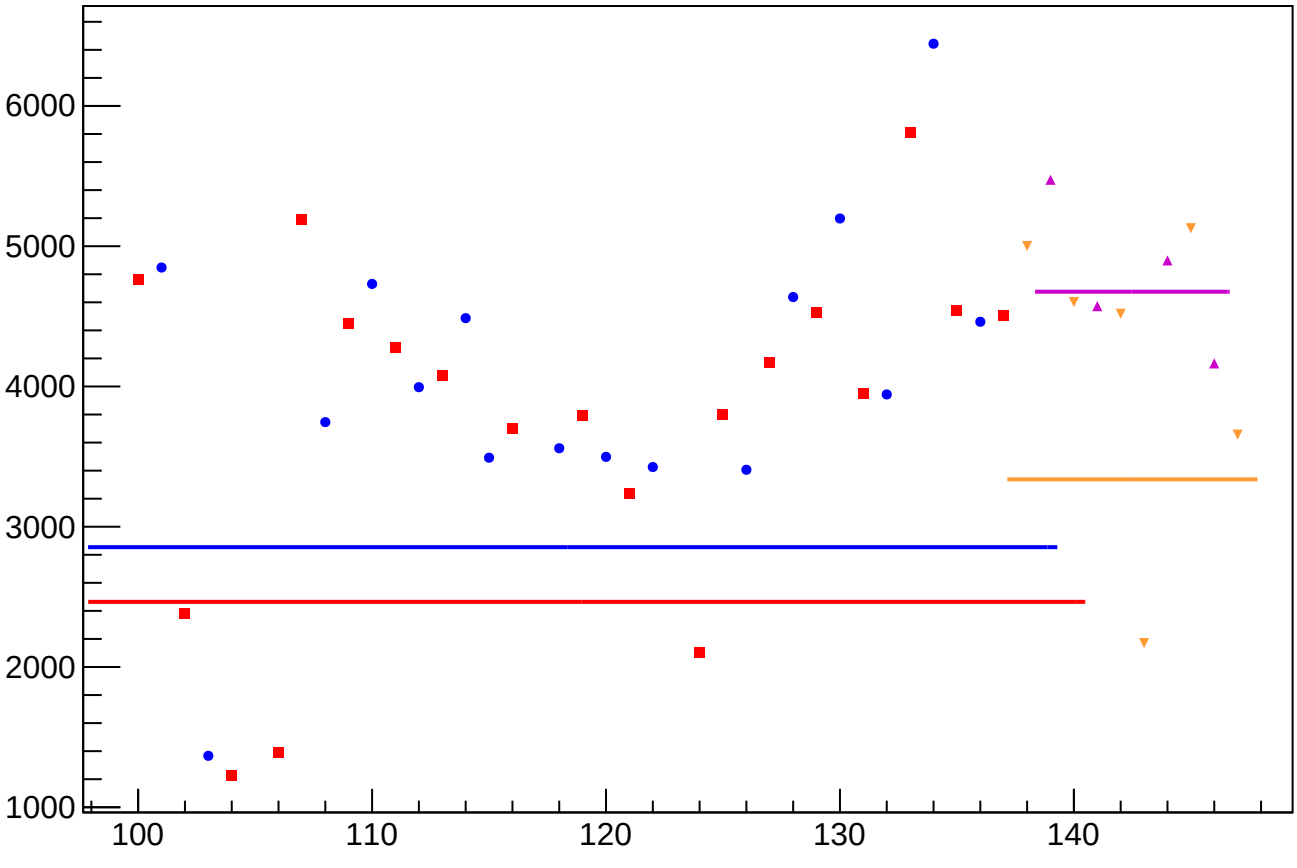
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1318.000+/-0.288 χ^2/NDF:524871.2/19

Out: 1342.853+/-0.279 χ^2/NDF:455273.1/24

All: 1330.803+/-0.200 χ^2/NDF: 983987.3/44


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -581.790+/-1192.862 χ²/NDF: 14.7/15
Left Out: 1868.919+/-1675.723 χ²/NDF:7.5/5
Right Out: -500.098+/-1055.434 χ²/NDF: 17.7/18
Left In: 337.352+/-2509.765 χ²/NDF:0.8/3
Left: 1396.675+/-1393.633 χ²/NDF: 8.5/9
Right: -535.969+/-790.447 χ²/NDF: 32.4/34
In: -412.418+/-1077.365 χ²/NDF:15.6/19
Out: 172.761+/-893.059 χ²/NDF:26.6/24
All: -65.568+/-687.554 χ²/NDF: 42.4/44



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3337.857+/-1.185 χ^2/NDF:1033699.7/5

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4675.621+/-1.775 χ^2/NDF:67341.9/3

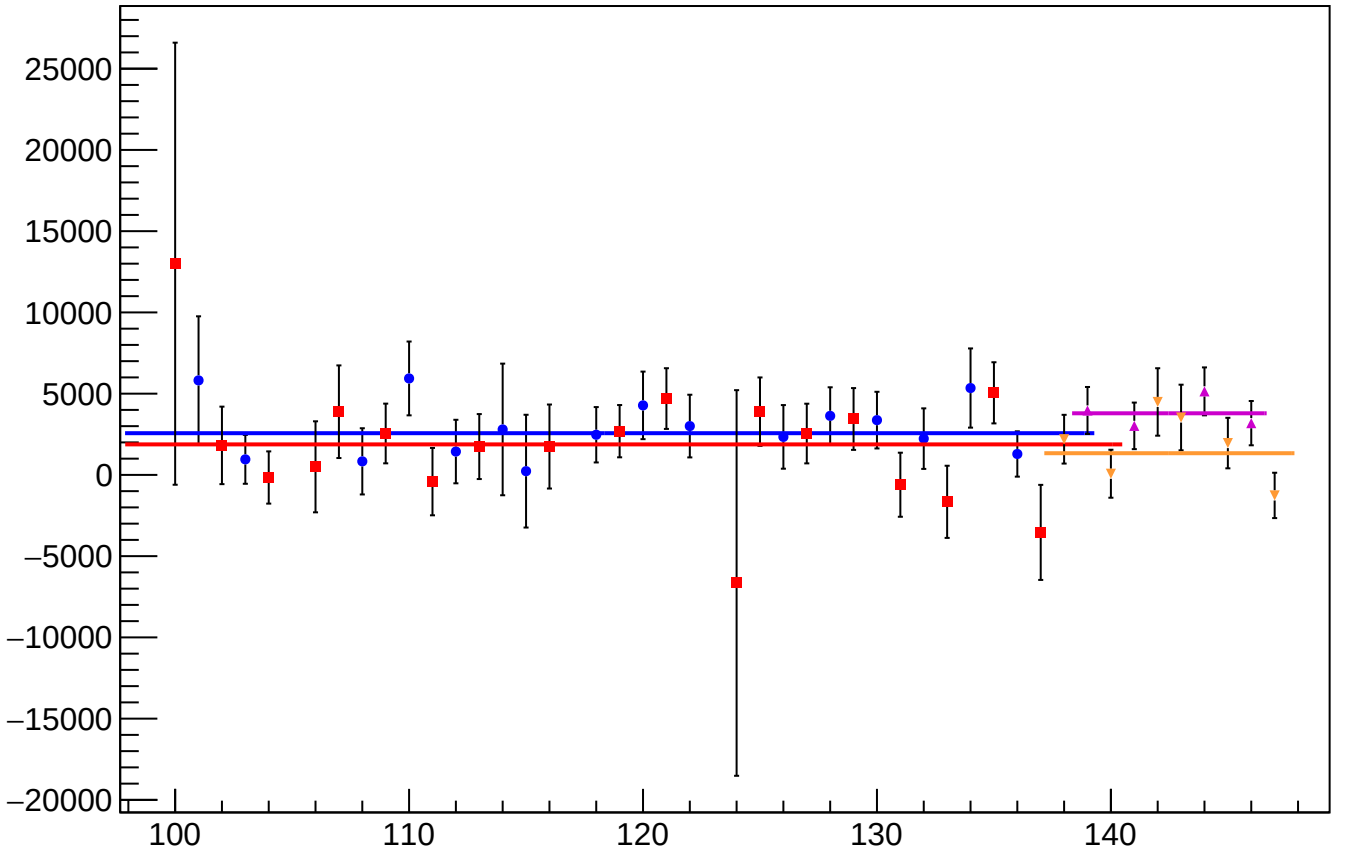
Left: 3750.344+/-0.985 χ^2/NDF: 1494061.9/9

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3189.918+/-0.762 χ^2/NDF:3831340.4/19

Out: 2712.621+/-0.631 χ^2/NDF:4778526.0/24

All: 2907.012+/-0.486 χ^2/NDF: 8842533.6/44



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1334.711+/-658.176 χ^2/NDF:8.2/5

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3791.568+/-713.605 χ^2/NDF:1.3/3

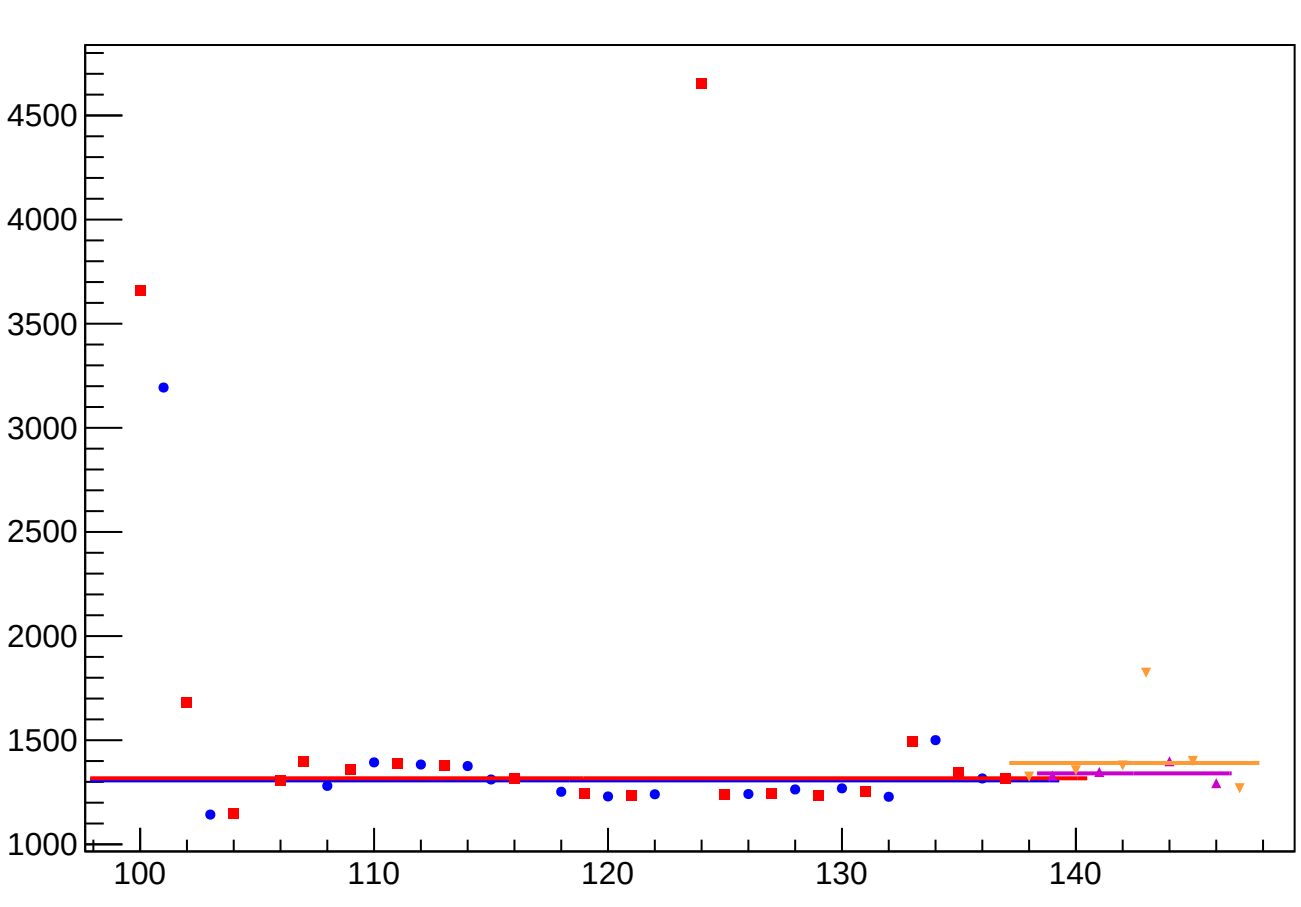
Left: 2464.029+/-483.811 χ^2/NDF: 15.9/9

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2965.325+/-406.929 χ^2/NDF:12.4/19

Out: 1681.720+/-395.462 χ^2/NDF:28.2/24

All: 2305.182+/-283.601 χ^2/NDF: 45.7/44



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1390.641+/-0.465 χ^2/NDF:112384.8/5

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

Left: 1367.679+/-0.342 χ^2/NDF: 123307.0/9

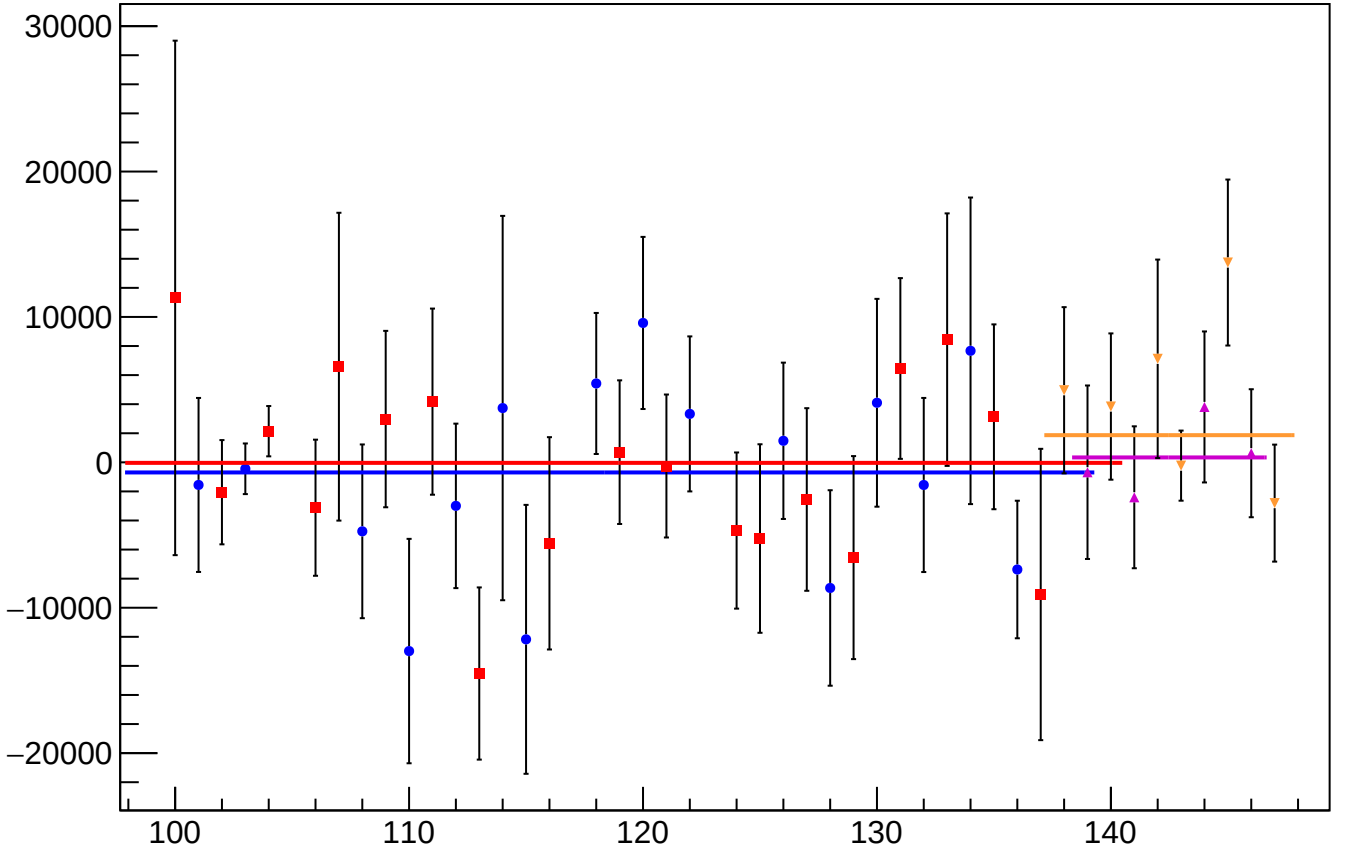
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1318.000+/-0.288 χ^2/NDF:524872.8/19

Out: 1343.603+/-0.279 χ^2/NDF:454276.2/24

All: 1331.183+/-0.200 χ^2/NDF: 983225.4/44

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1868.931+/-1675.713 χ^2/NDF:7.5/5

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 337.382+/-2509.765 χ^2/NDF:0.8/3

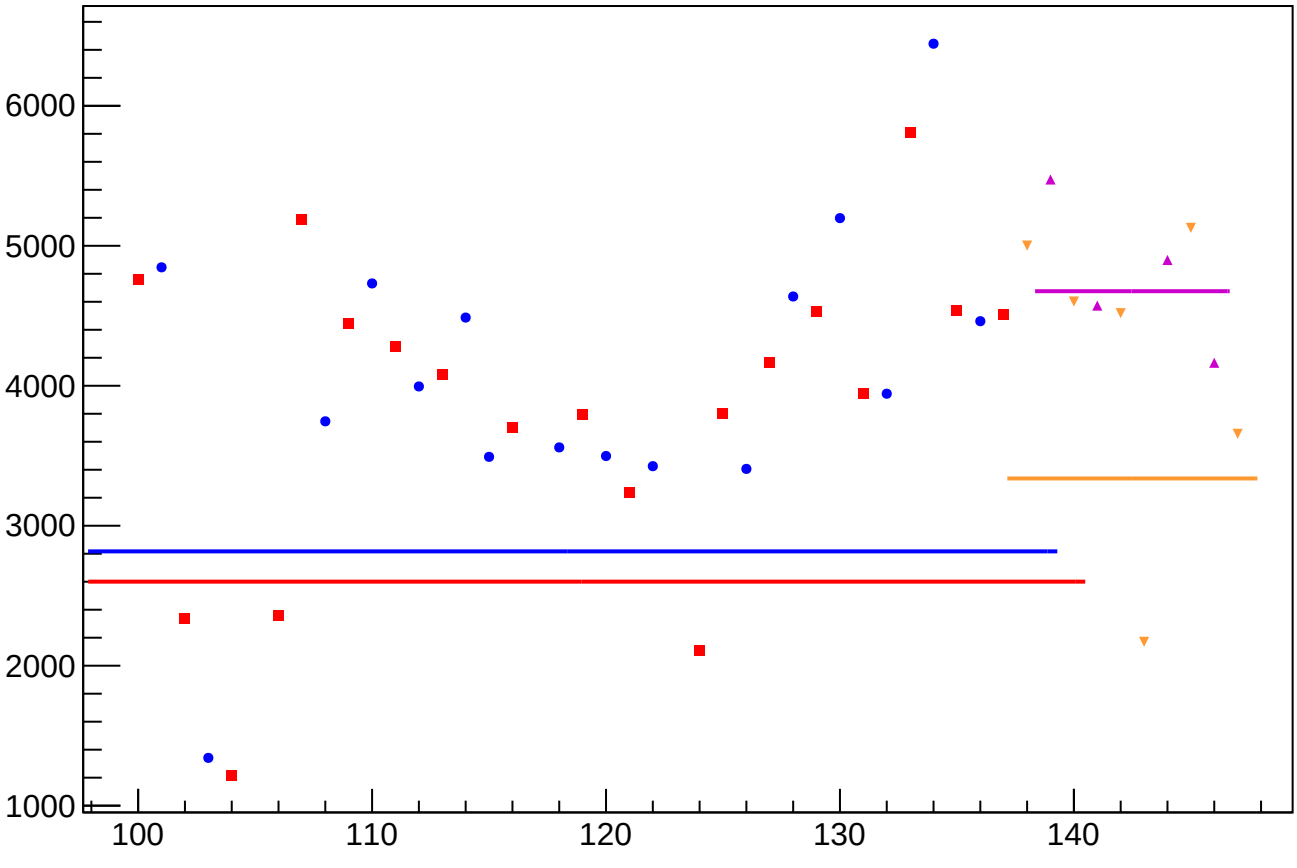
Left: 1396.696+/-1393.627 χ^2/NDF: 8.5/9

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -507.675+/-1069.663 χ^2/NDF:15.6/19

Out: 536.271+/-918.525 χ^2/NDF:24.3/24

All: 93.200+/-696.858 χ^2/NDF: 40.5/44



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3337.829+/-1.185 χ^2/NDF:1033731.3/5

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4675.620+/-1.775 χ^2/NDF:67342.4/3

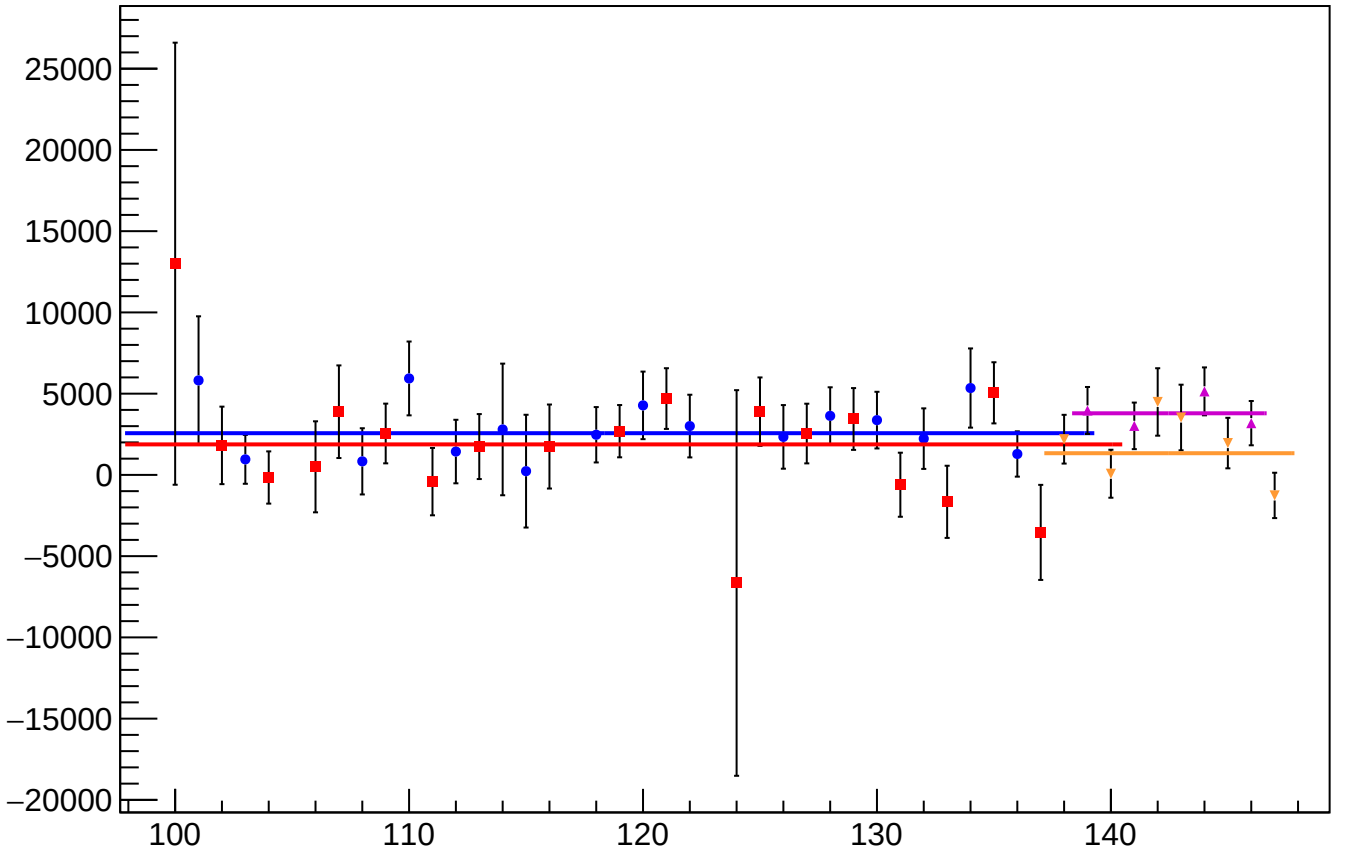
Left: 3750.321+/-0.985 χ^2/NDF: 1494111.6/9

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3154.435+/-0.756 χ^2/NDF:3972727.7/19

Out: 2822.053+/-0.649 χ^2/NDF:4385359.5/24

All: 2963.122+/-0.493 χ^2/NDF: 8469239.5/44



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1334.711+/-658.176 χ^2/NDF:8.2/5

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3791.568+/-713.605 χ^2/NDF:1.3/3

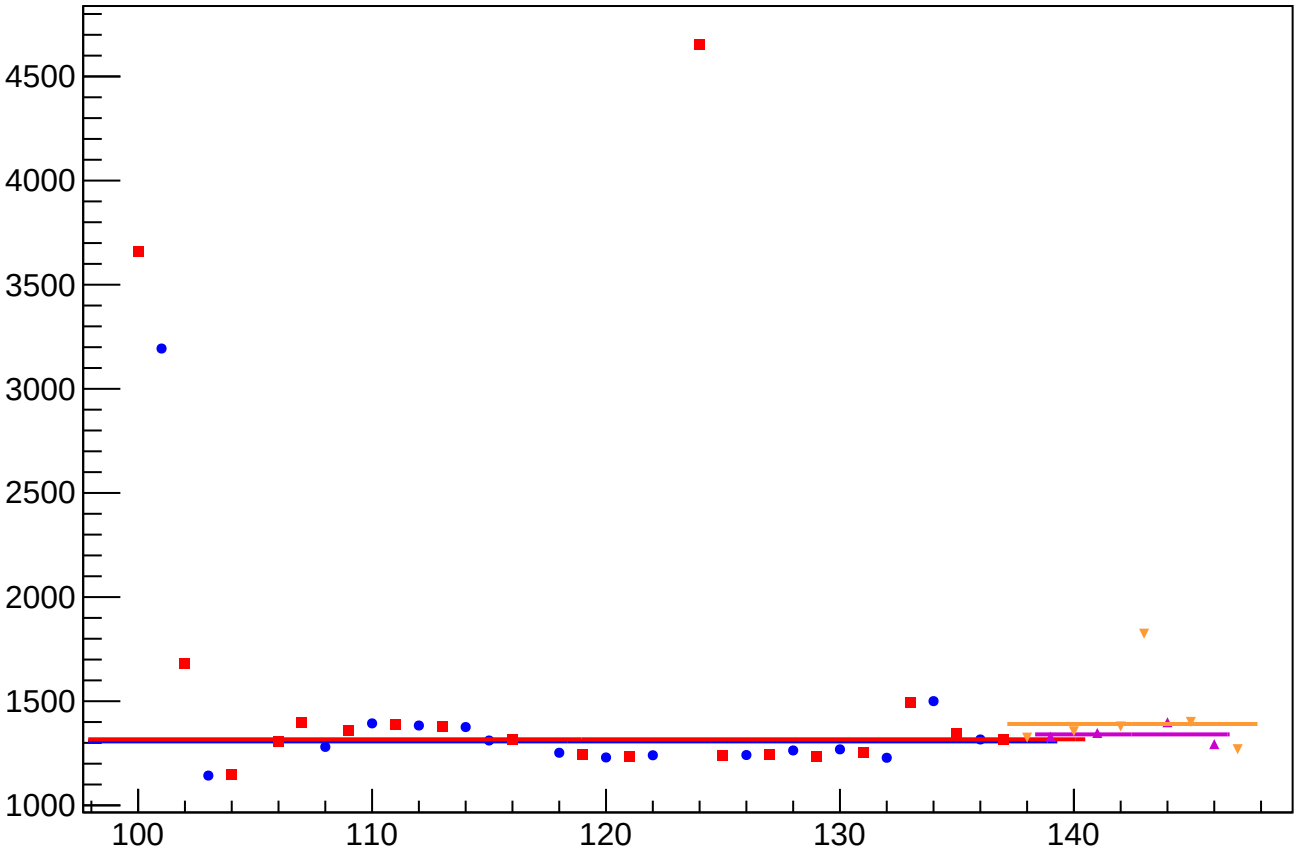
Left: 2464.029+/-483.811 χ^2/NDF: 15.9/9

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2965.325+/-406.929 χ^2/NDF:12.4/19

Out: 1681.720+/-395.462 χ^2/NDF:28.2/24

All: 2305.182+/-283.601 χ^2/NDF: 45.7/44



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1390.641+/-0.465 χ^2/NDF:112384.8/5

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1340.687+/-0.505 χ^2/NDF:5626.6/3

Left: 1367.679+/-0.342 χ^2/NDF: 123307.0/9

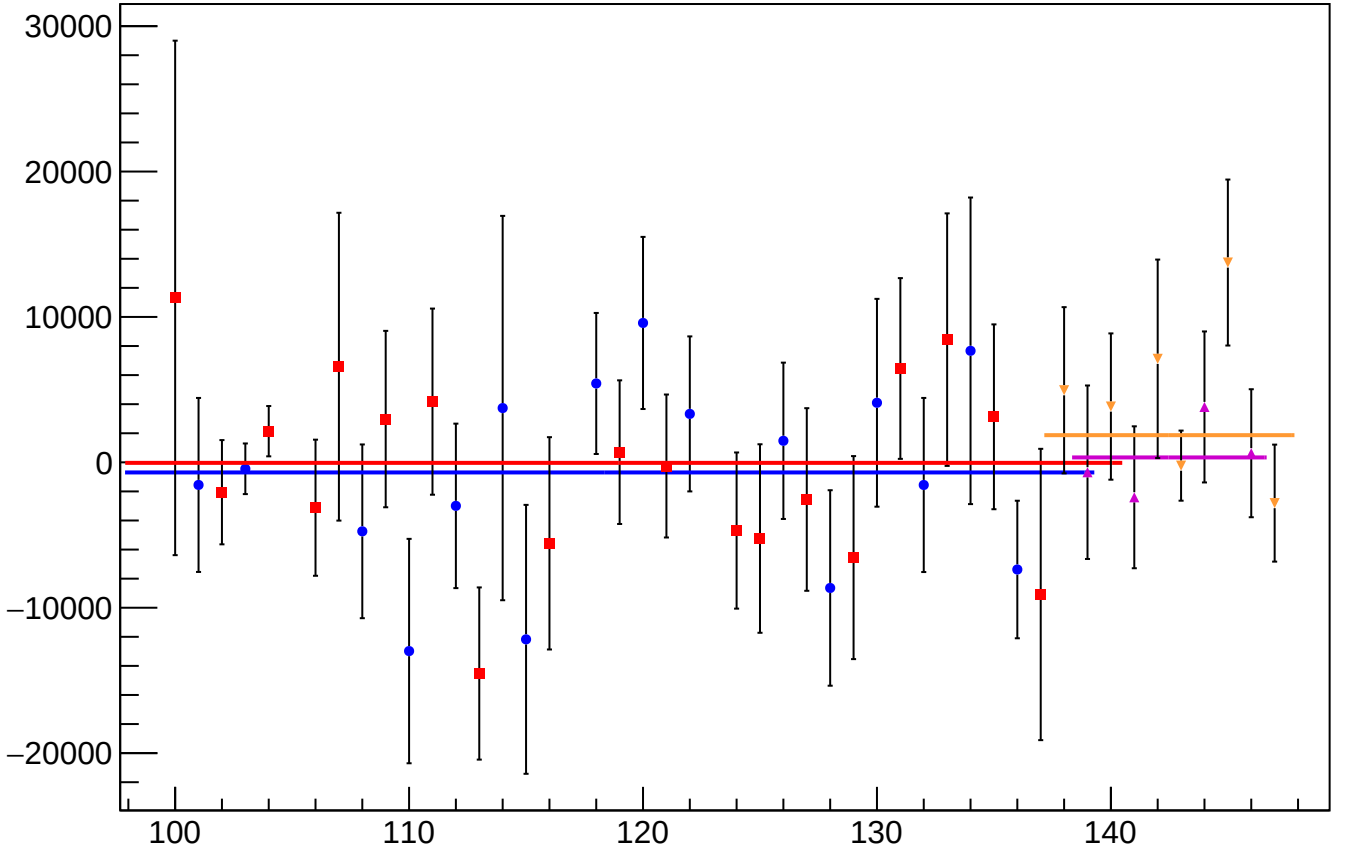
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1318.000+/-0.288 χ^2/NDF:524872.8/19

Out: 1343.603+/-0.279 χ^2/NDF:454276.2/24

All: 1331.183+/-0.200 χ^2/NDF: 983225.4/44

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: 1868.931+/-1675.713 χ^2/NDF:7.5/5

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 337.382+/-2509.765 χ^2/NDF:0.8/3

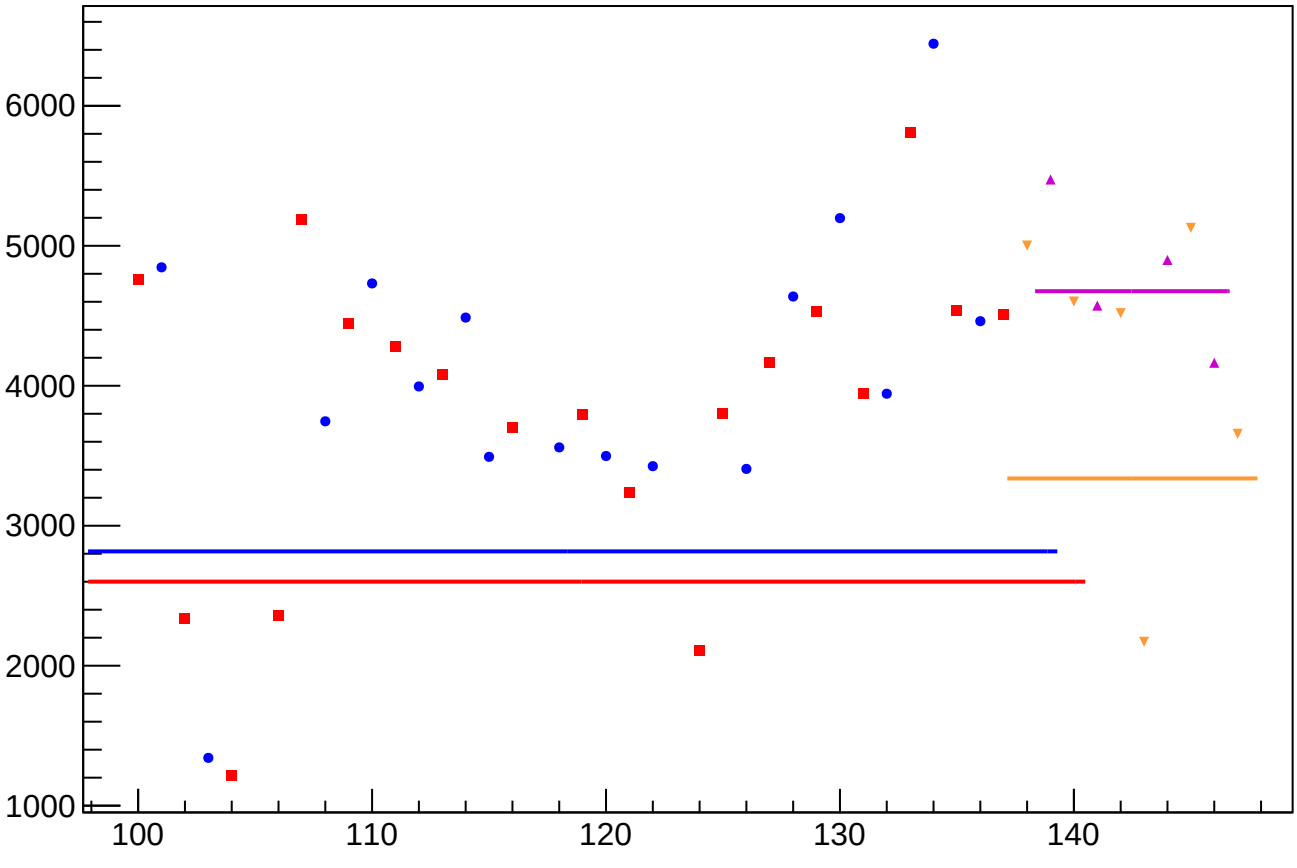
Left: 1396.696+/-1393.627 χ^2/NDF: 8.5/9

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -507.675+/-1069.663 χ^2/NDF:15.6/19

Out: 536.271+/-918.525 χ^2/NDF:24.3/24

All: 93.200+/-696.858 χ^2/NDF: 40.5/44



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3337.829+/-1.185 χ^2/NDF:1033731.3/5

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4675.620+/-1.775 χ^2/NDF:67342.4/3

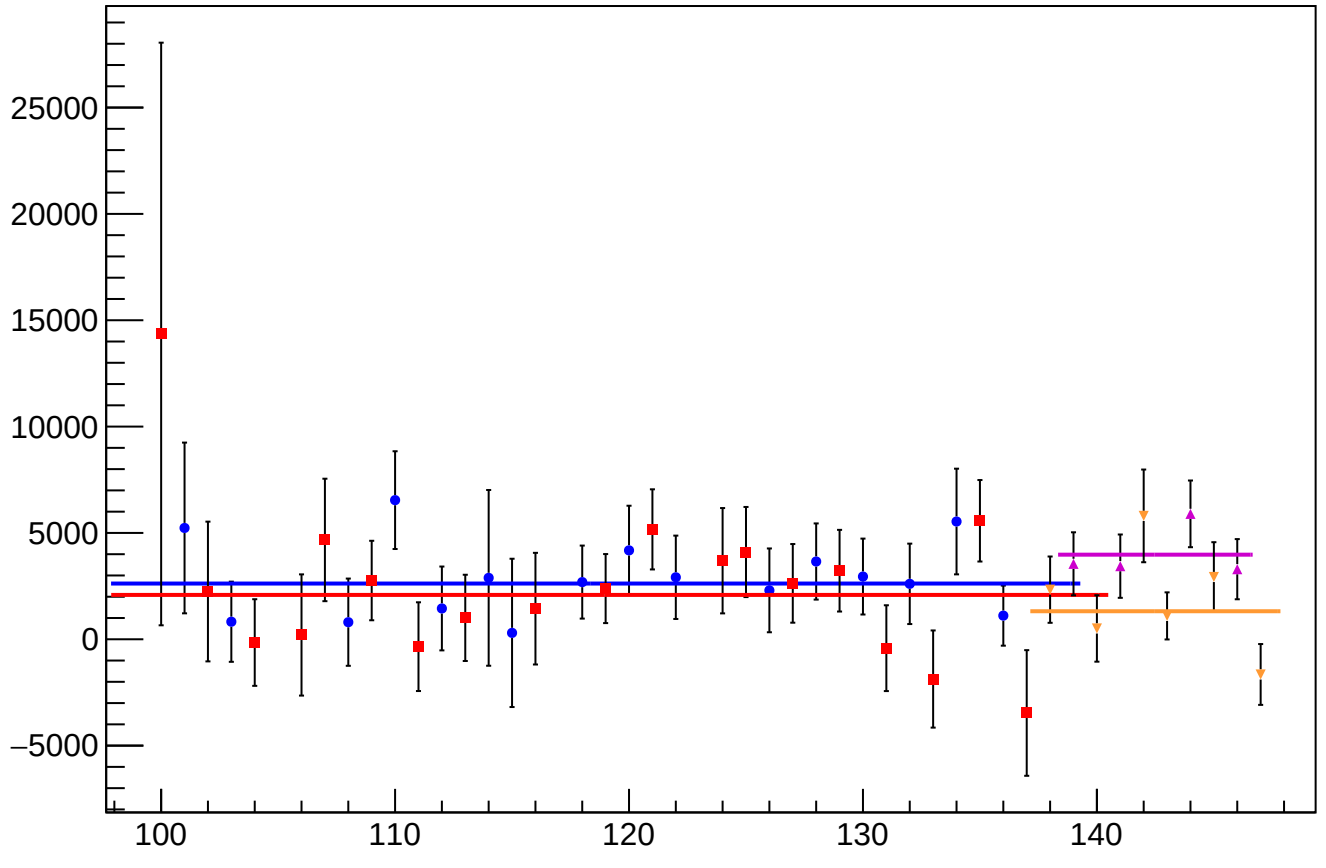
Left: 3750.321+/-0.985 χ^2/NDF: 1494111.6/9

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3154.435+/-0.756 χ^2/NDF:3972727.7/19

Out: 2822.053+/-0.649 χ^2/NDF:4385359.5/24

All: 2963.122+/-0.493 χ^2/NDF: 8469239.5/44



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1318.140+/-607.393 χ^2/NDF:10.3/5

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 3977.920+/-742.719 χ^2/NDF:1.9/3

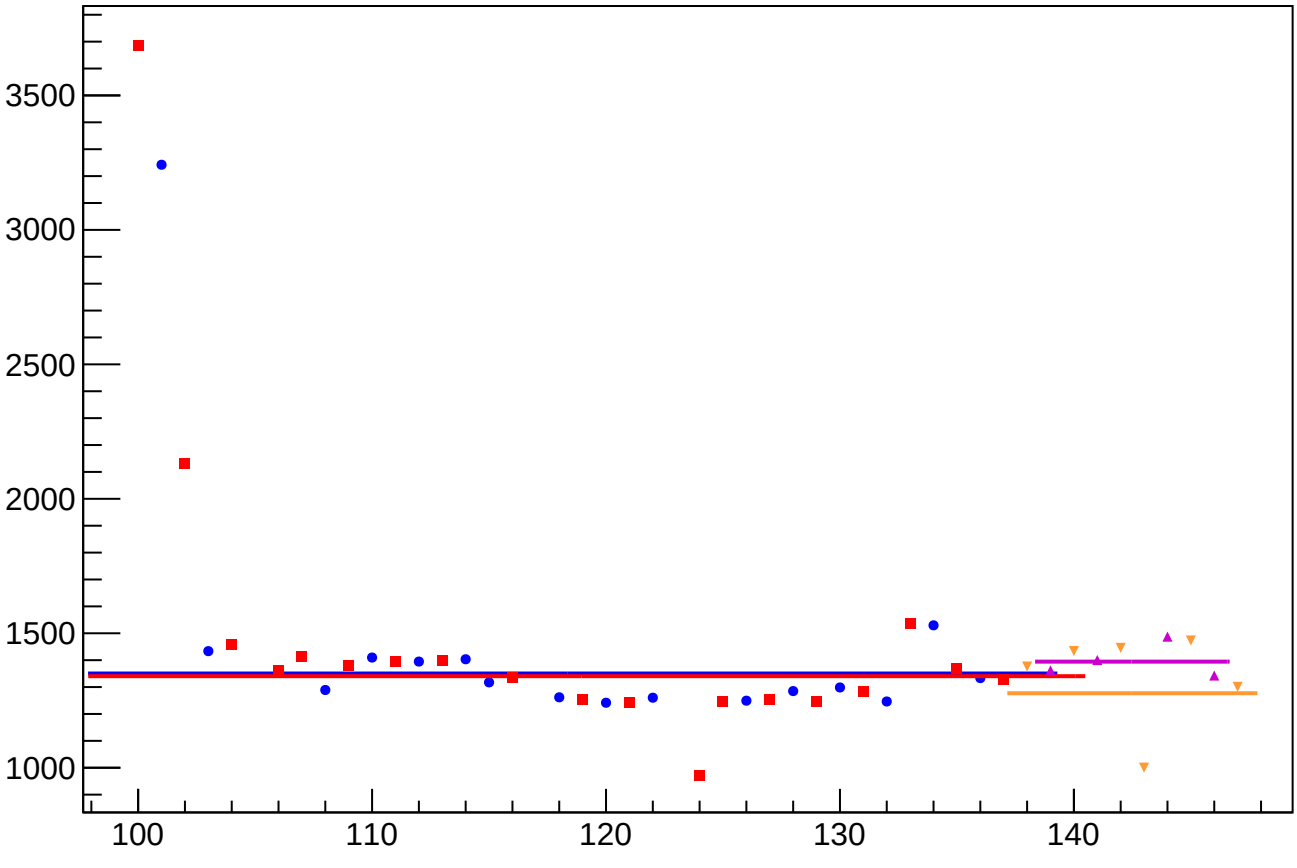
Left: 2384.083+/-470.185 χ^2/NDF: 19.9/9

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 3057.226+/-421.270 χ^2/NDF:13.5/19

Out: 1772.016+/-388.259 χ^2/NDF:32.1/24

All: 2362.300+/-285.498 χ^2/NDF: 50.7/44



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1277.032+/-0.429 χ^2/NDF:194582.3/5

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1394.575+/-0.525 χ^2/NDF:10689.5/3

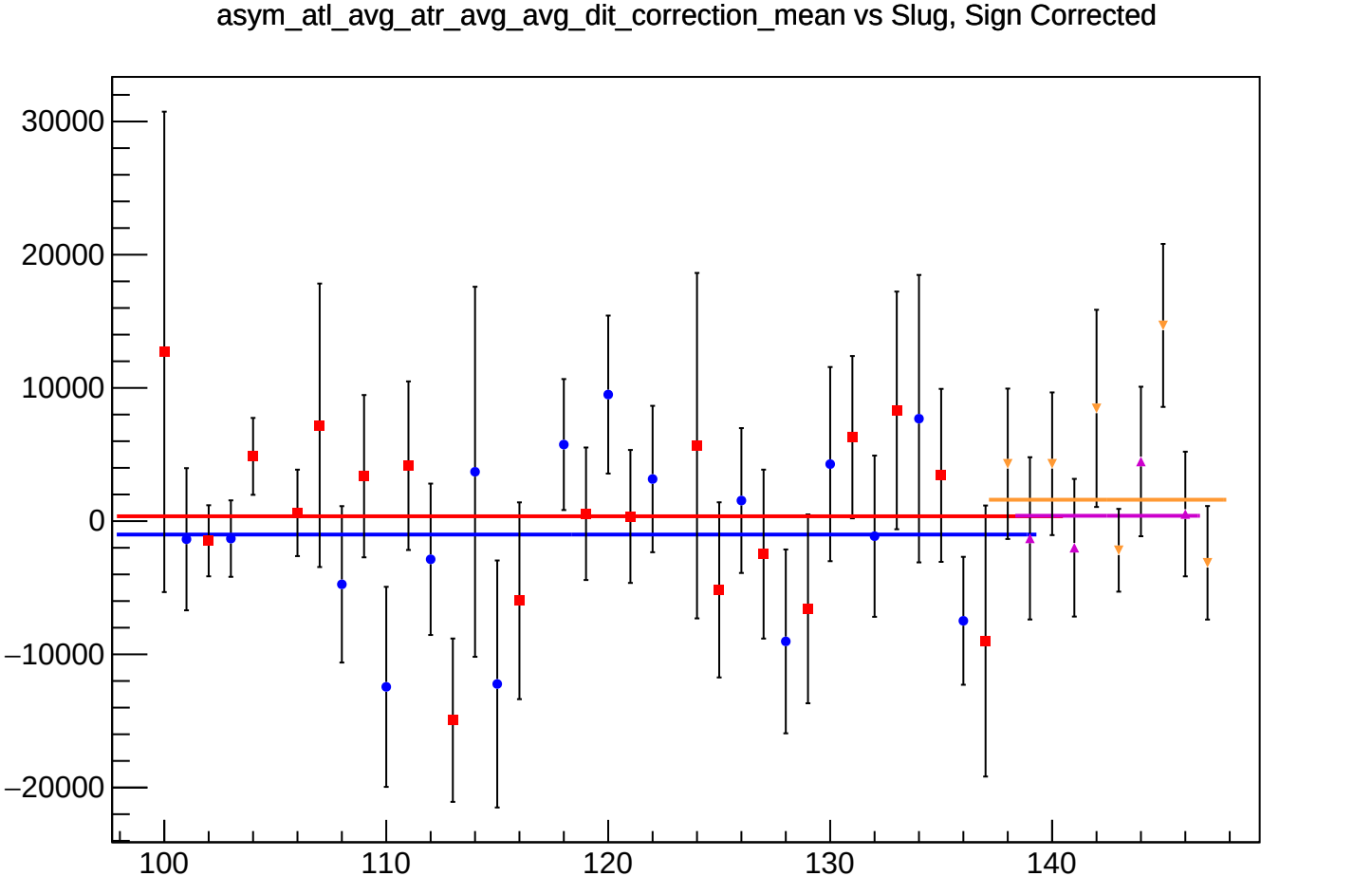
Left: 1324.139+/-0.332 χ^2/NDF: 235288.9/9

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

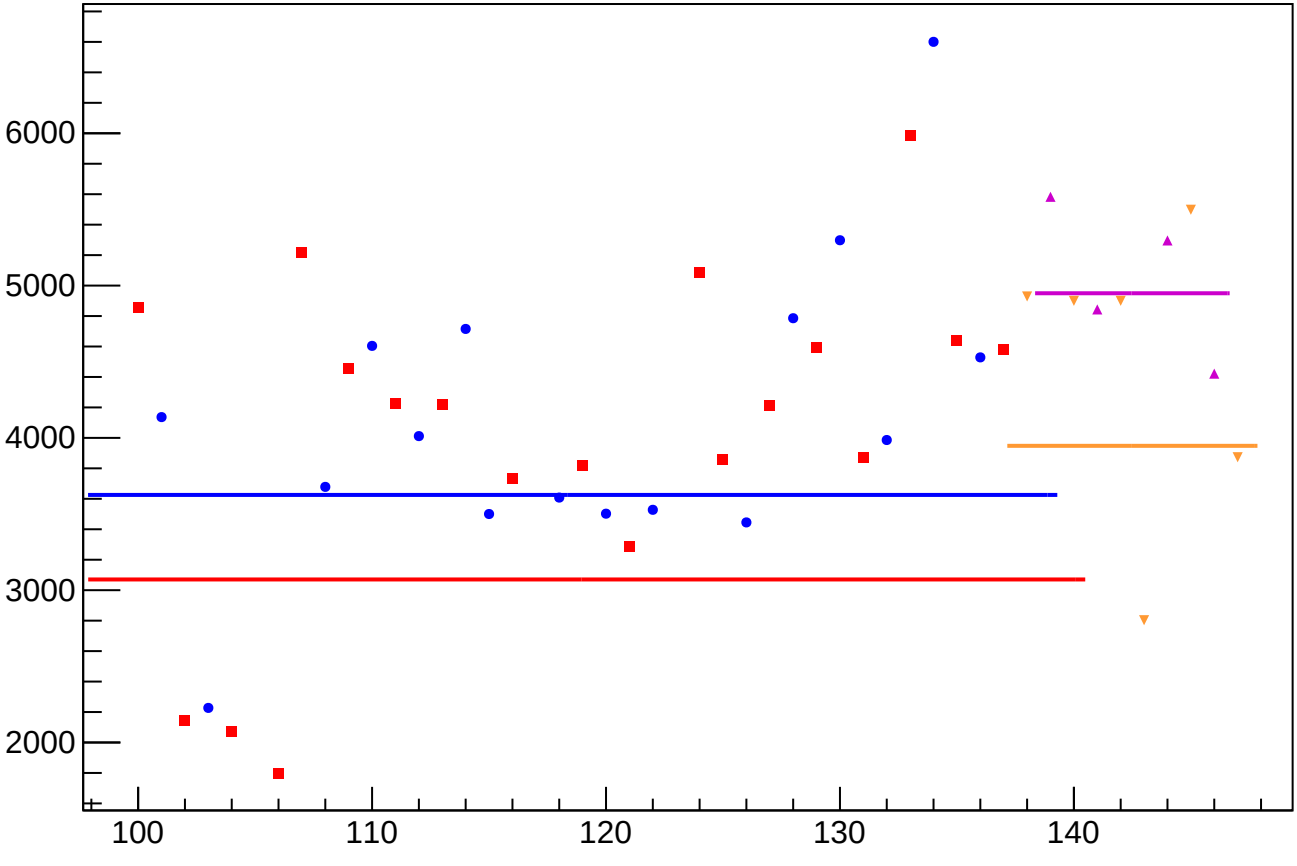
In: 1364.591+/-0.298 χ^2/NDF:509546.1/19

Out: 1314.544+/-0.274 χ^2/NDF:479657.9/24

All: 1337.521+/-0.202 χ^2/NDF: 1004471.9/44


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: 1605.646+/-1924.984 χ²/NDF:8.6/5
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 401.303+/-2655.304 χ²/NDF:0.8/3
Left: 1190.744+/-1558.518 χ²/NDF: 9.6/9
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -698.944+/-1241.493 χ²/NDF:15.6/19
Out: 712.875+/-1019.863 χ²/NDF:25.2/24
All: 144.017+/-788.055 χ²/NDF: 41.6/44

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: 3947.882+/-1.361 χ^2/NDF:557257.5/5

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4949.646+/-1.878 χ^2/NDF:55562.4/3

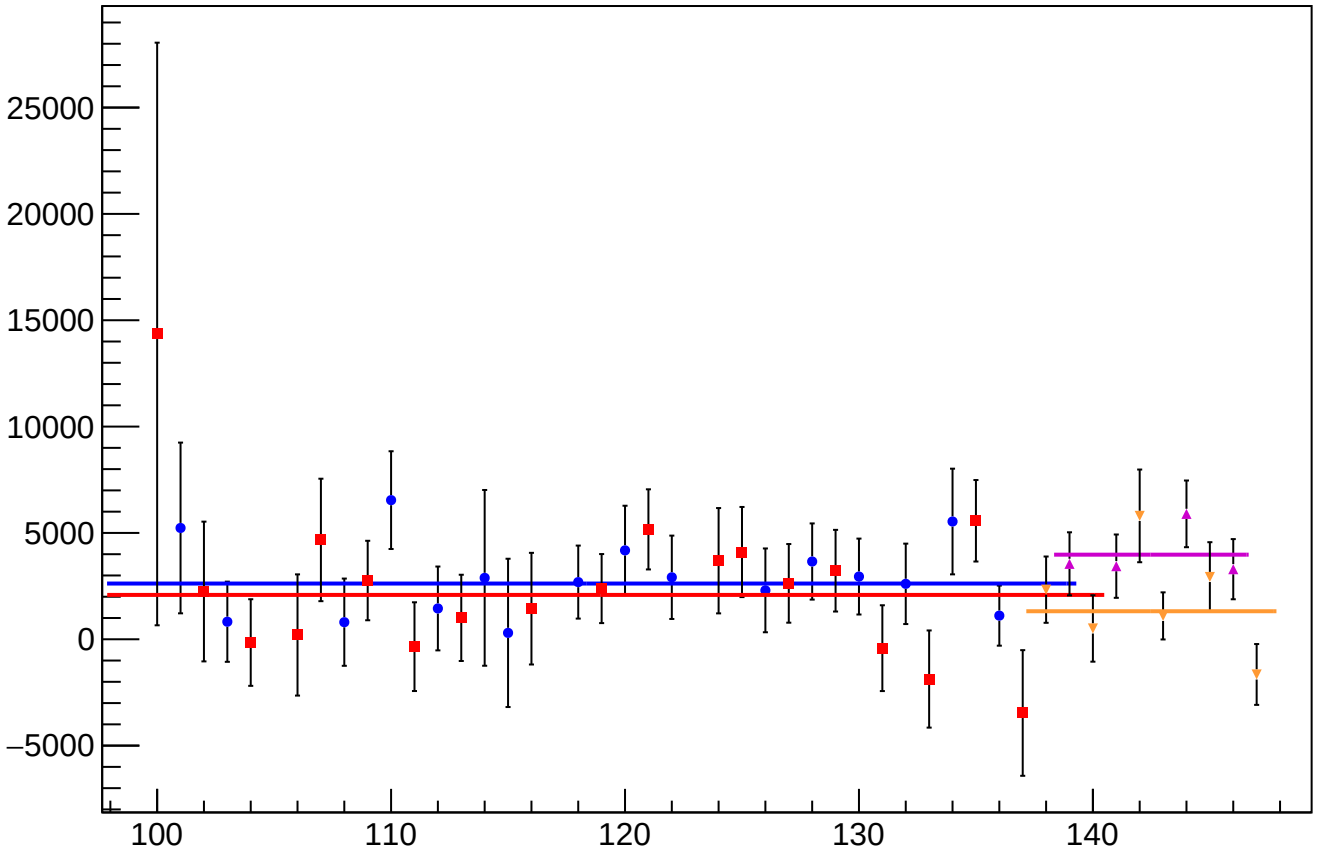
Left: 4292.995+/-1.102 χ^2/NDF: 799415.4/9

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3914.974+/-0.878 χ^2/NDF:1389097.5/19

Out: 3316.732+/-0.721 χ^2/NDF:2694816.5/24

All: 3557.779+/-0.557 χ^2/NDF: 4361197.1/44



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1318.144+/-607.393 χ^2/NDF:10.3/5

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 3977.915+/-742.720 χ^2/NDF:1.9/3

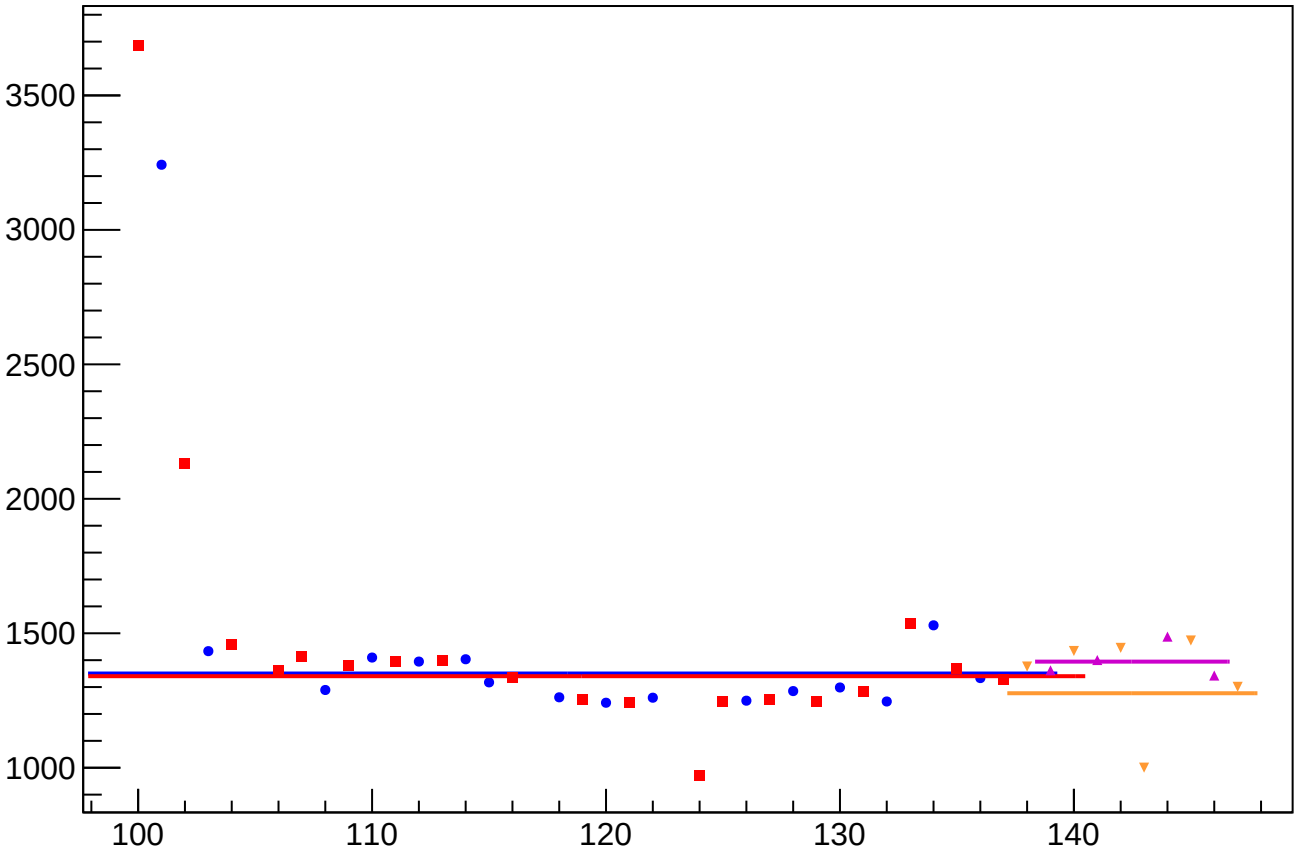
Left: 2384.083+/-470.185 χ^2/NDF: 19.9/9

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 3057.224+/-421.270 χ^2/NDF:13.5/19

Out: 1772.019+/-388.259 χ^2/NDF:32.1/24

All: 2362.300+/-285.498 χ^2/NDF: 50.7/44



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1277.033+/-0.429 χ^2/NDF:194582.5/5

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1394.576+/-0.525 χ^2/NDF:10689.6/3

Left: 1324.140+/-0.332 χ^2/NDF: 235289.4/9

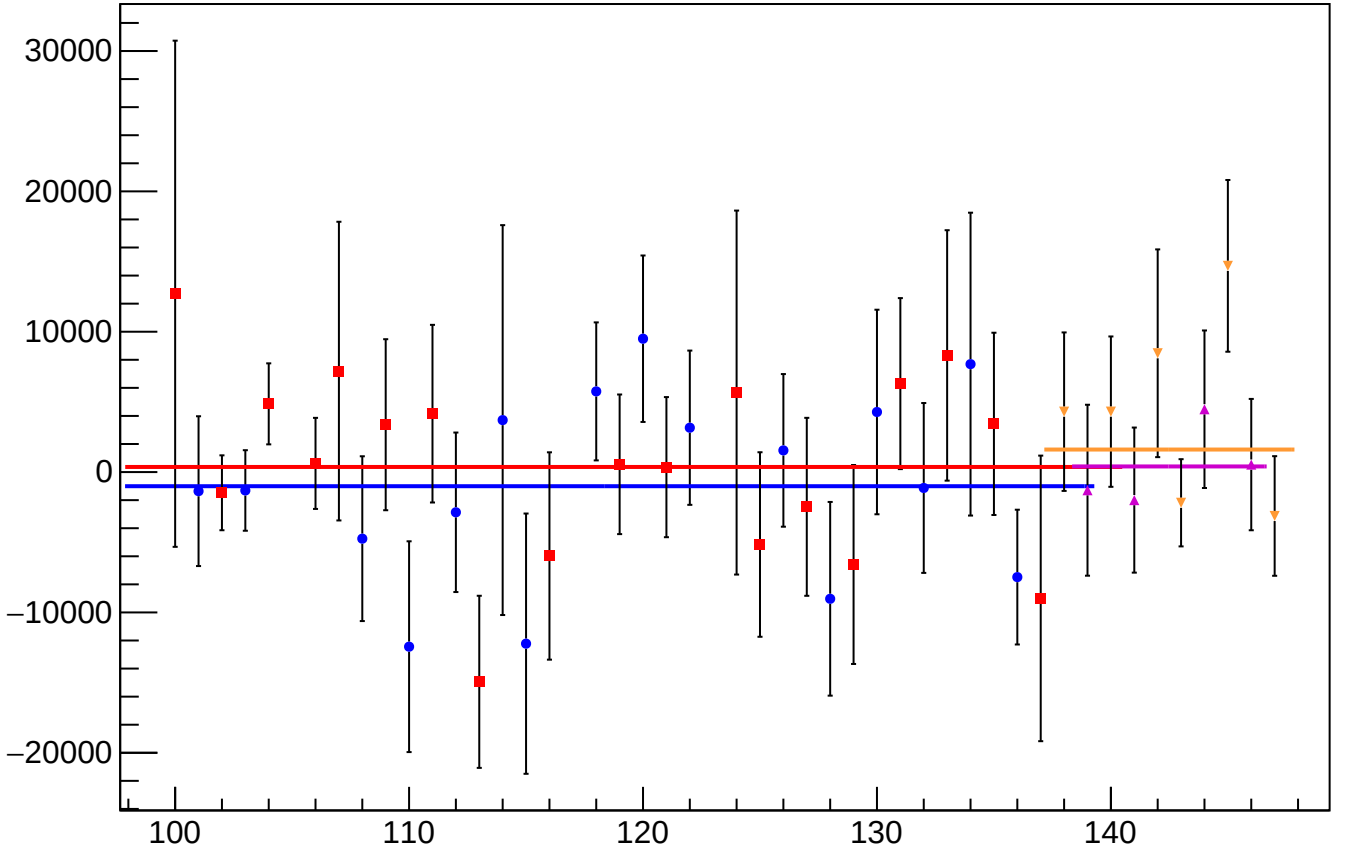
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1364.591+/-0.298 χ^2/NDF:509546.7/19

Out: 1314.544+/-0.274 χ^2/NDF:479656.5/24

All: 1337.521+/-0.202 χ^2/NDF: 1004471.1/44

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 1605.645+/-1924.987 χ^2/NDF:8.6/5

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 401.297+/-2655.308 χ^2/NDF:0.8/3

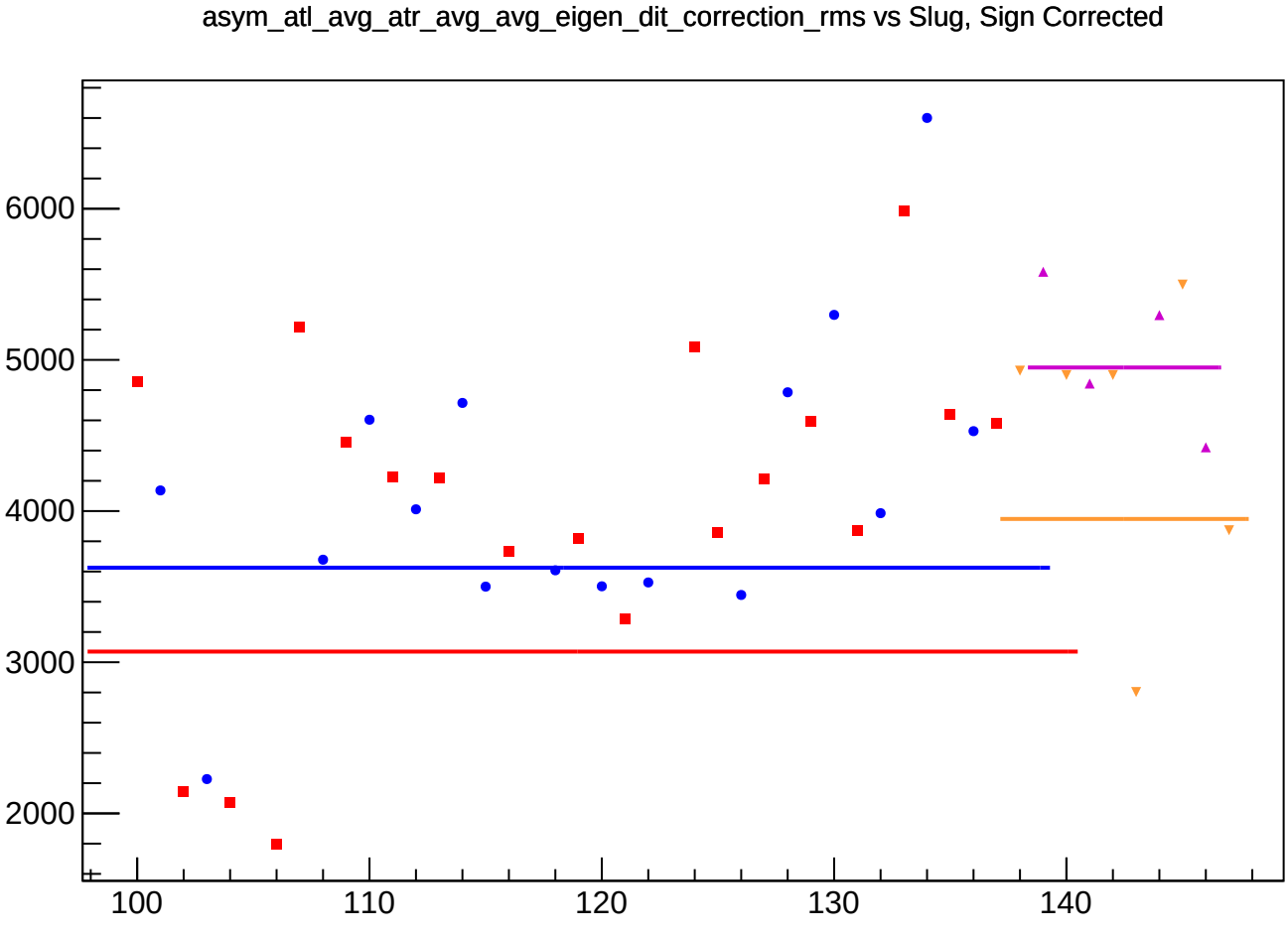
Left: 1190.742+/-1558.521 χ^2/NDF: 9.6/9

Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -698.940+/-1241.491 χ^2/NDF:15.6/19

Out: 712.873+/-1019.862 χ^2/NDF:25.2/24

All: 144.018+/-788.054 χ^2/NDF: 41.6/44



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 3947.889+/-1.361 χ^2/NDF:557257.7/5

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4949.653+/-1.878 χ^2/NDF:55562.9/3

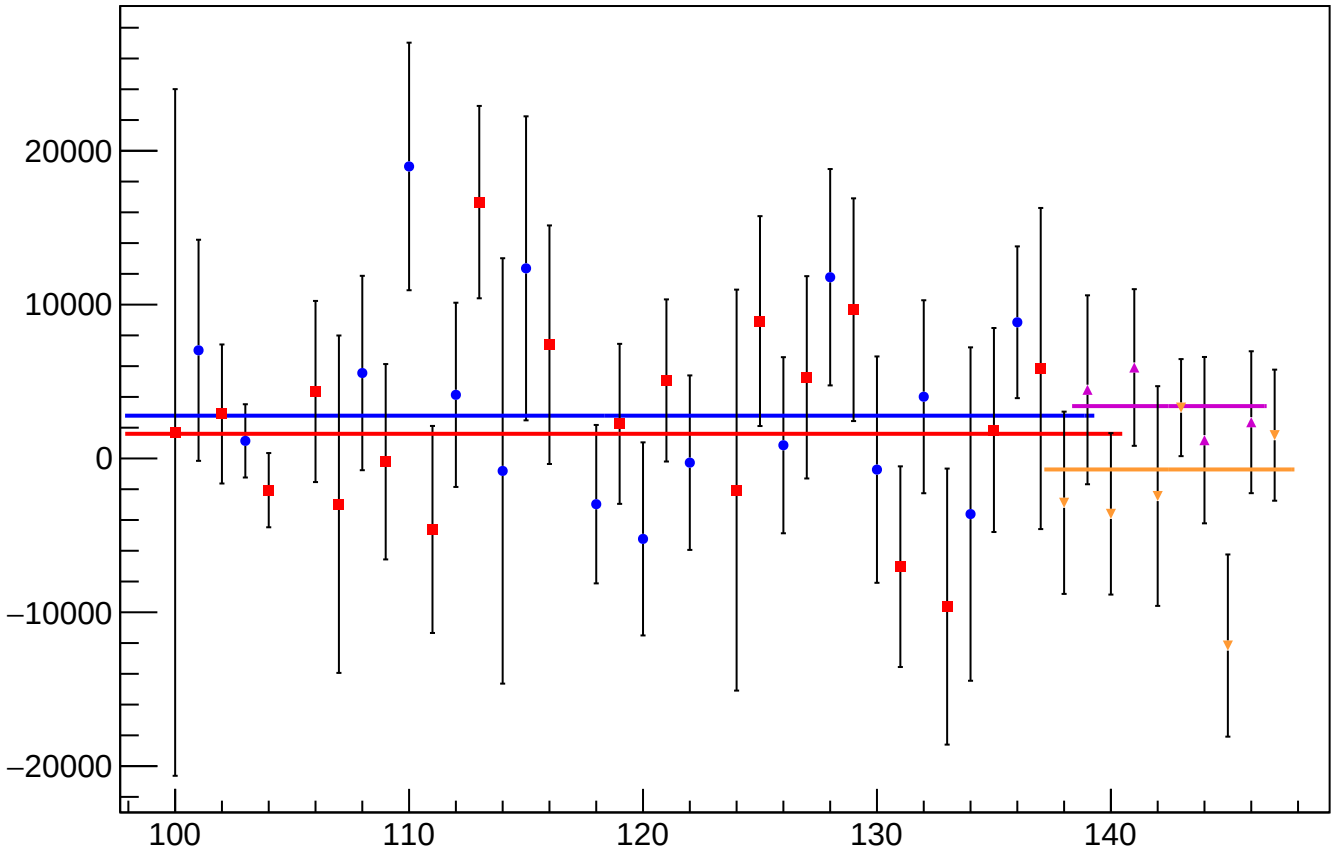
Left: 4293.002+/-1.102 χ^2/NDF: 799416.0/9

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3914.967+/-0.878 χ^2/NDF:1389109.4/19

Out: 3316.727+/-0.721 χ^2/NDF:2694829.6/24

All: 3557.773+/-0.557 χ^2/NDF: 4361221.8/44



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -715.358+/-1929.902 χ^2/NDF:6.1/5

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 3403.336+/-2614.680 χ^2/NDF:0.5/3

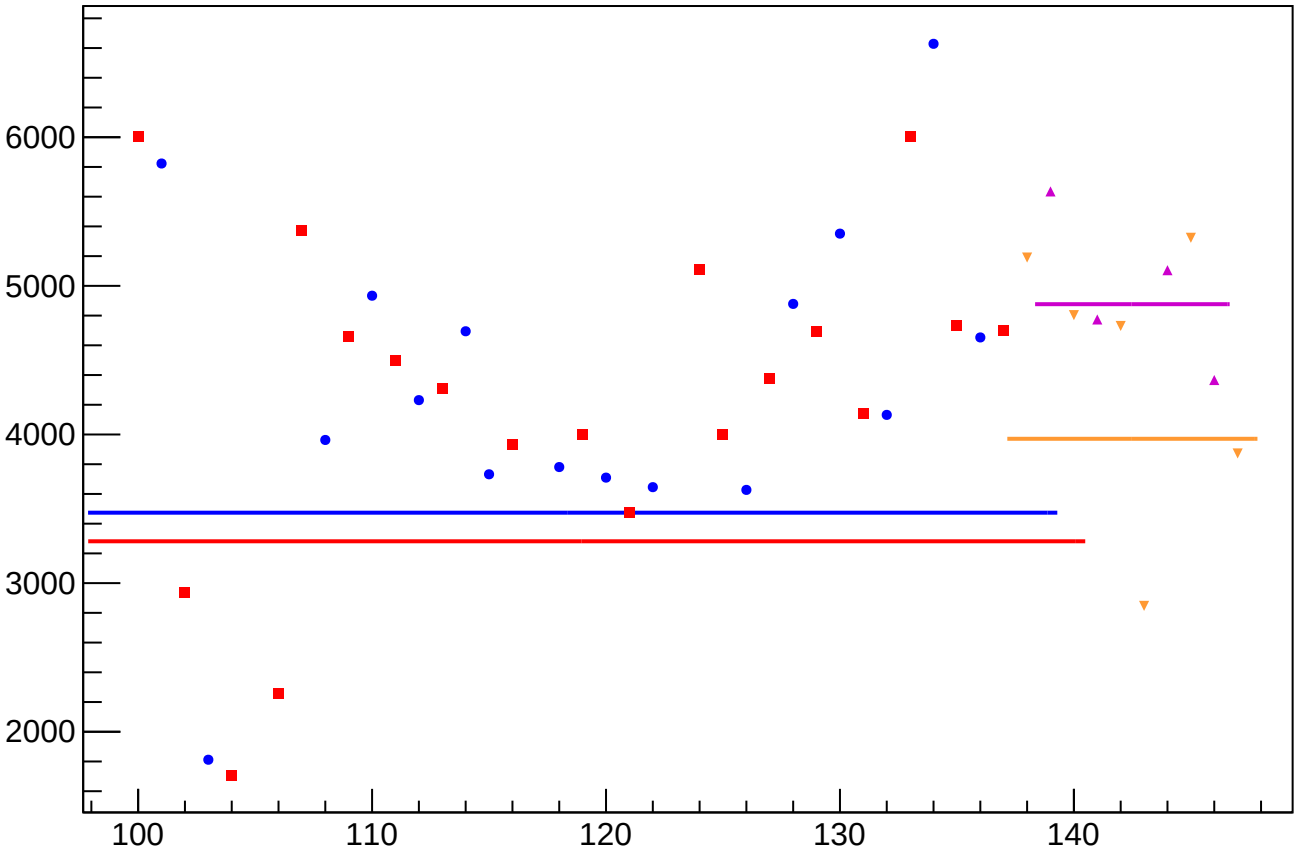
Left: 737.162+/-1552.744 χ^2/NDF: 8.2/9

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2917.945+/-1226.960 χ^2/NDF:13.7/19

Out: 850.891+/-1099.037 χ^2/NDF:23.9/24

All: 1771.080+/-818.640 χ^2/NDF: 39.2/44



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 3971.102+/-1.365 χ^2/NDF:516898.7/5

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4876.717+/-1.849 χ^2/NDF:59384.5/3

Left: 4290.480+/-1.098 χ^2/NDF: 731596.8/9

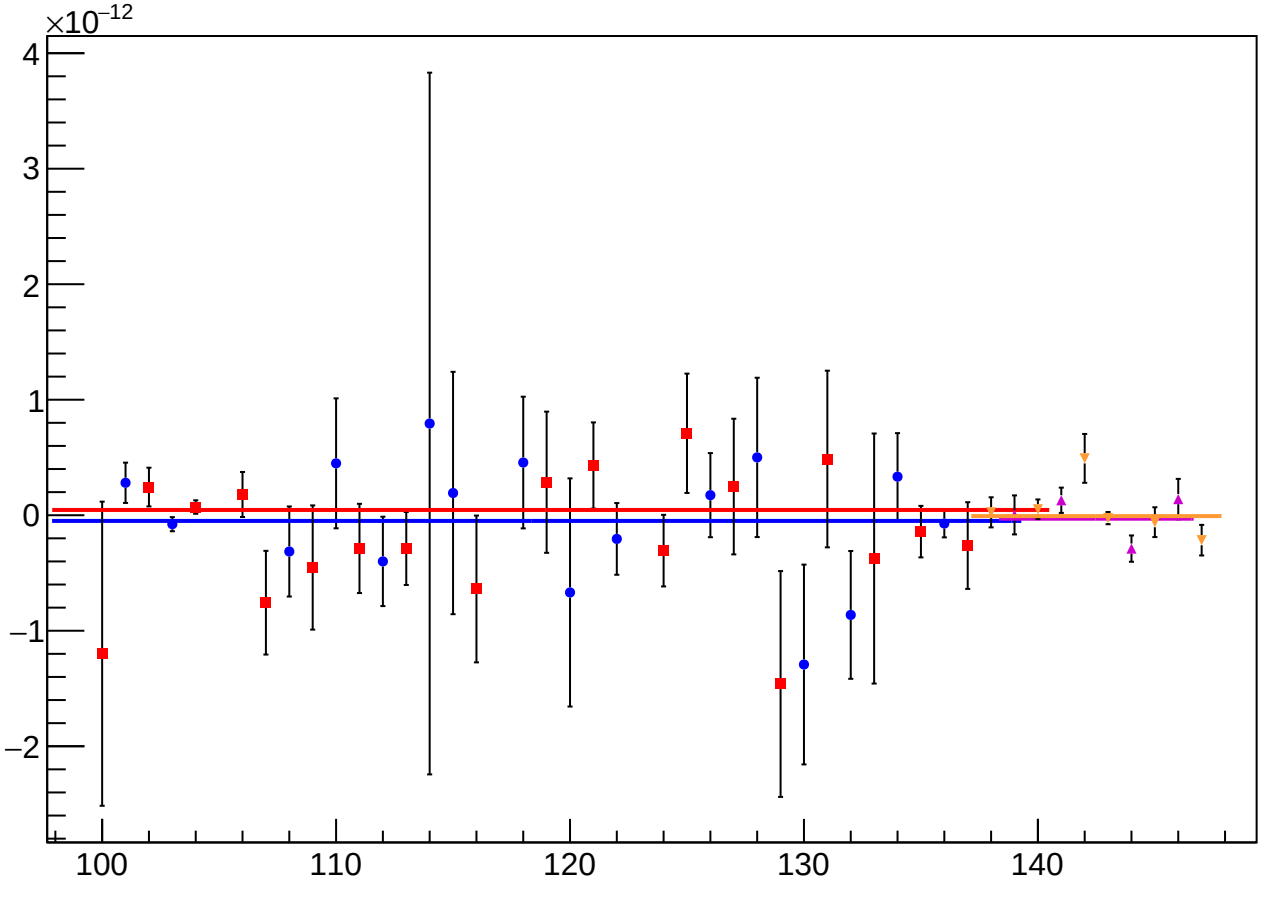
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3782.799+/-0.868 χ^2/NDF:2352279.1/19

Out: 3500.988+/-0.770 χ^2/NDF:2566482.9/24

All: 3625.144+/-0.576 χ^2/NDF: 4977788.0/44

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:8.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/3

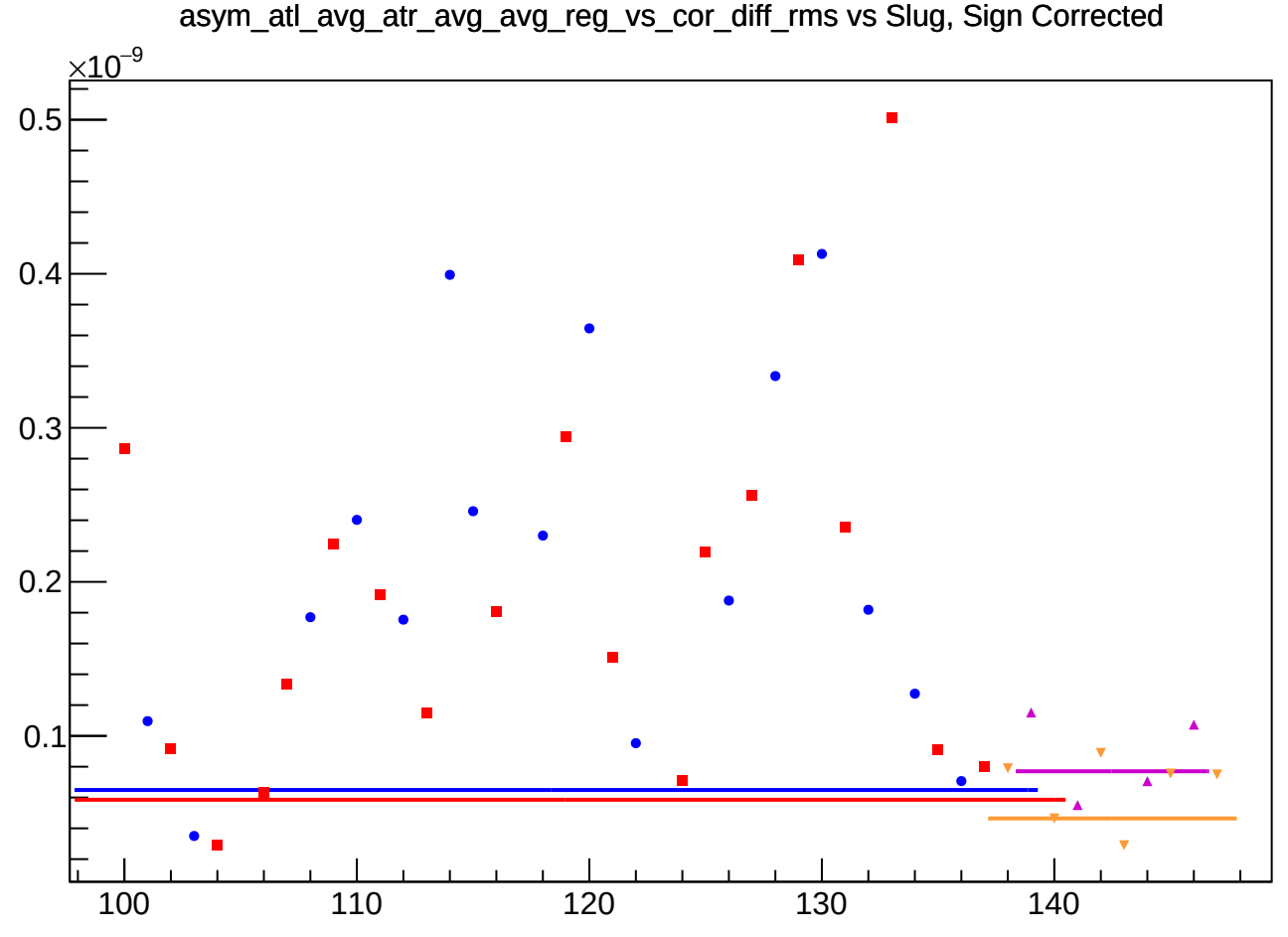
Left: -0.000+/-0.000 χ^2/NDF: 17.2/9

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:22.1/19

Out: 0.000+/-0.000 χ^2/NDF:28.2/24

All: -0.000+/-0.000 χ^2/NDF: 51.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:618526.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:248283.7/3

Left: 0.000+/-0.000 χ^2/NDF: 1189164.3/9

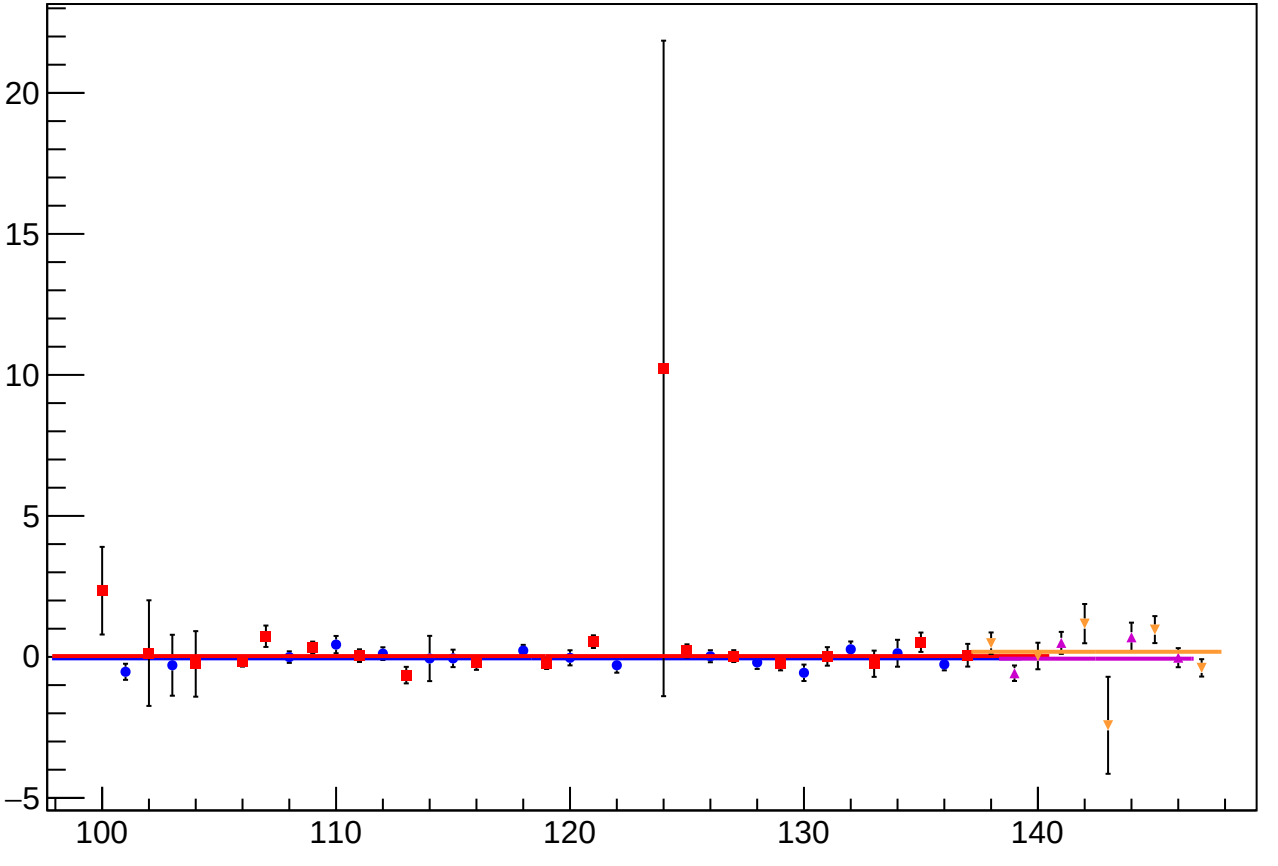
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2885139.3/19

Out: 0.000+/-0.000 χ^2/NDF:3553305.8/24

All: 0.000+/-0.000 χ^2/NDF: 6707000.3/44

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: 0.182+/-0.187 χ^2/NDF:11.2/5

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.063+/-0.176 χ^2/NDF:7.7/3

Left: 0.053+/-0.128 χ^2/NDF: 19.8/9

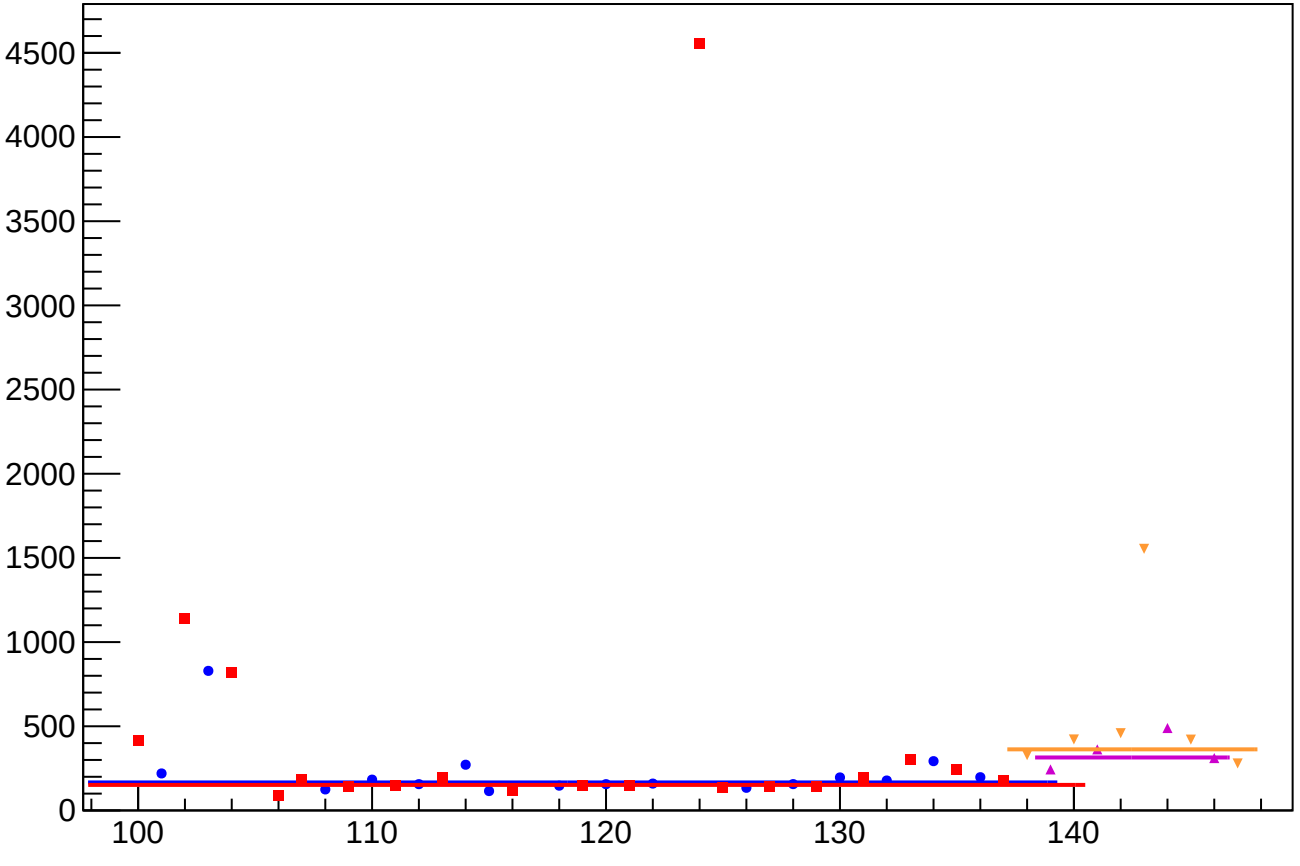
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.062 χ^2/NDF:22.6/19

Out: 0.045+/-0.061 χ^2/NDF:39.4/24

All: -0.002+/-0.043 χ^2/NDF: 63.2/44

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: 362.947+/-0.132 χ^2/NDF:1220933.2/5

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 314.651+/-0.125 χ^2/NDF:390570.7/3

Left: 337.383+/-0.091 χ^2/NDF: 1682256.7/9

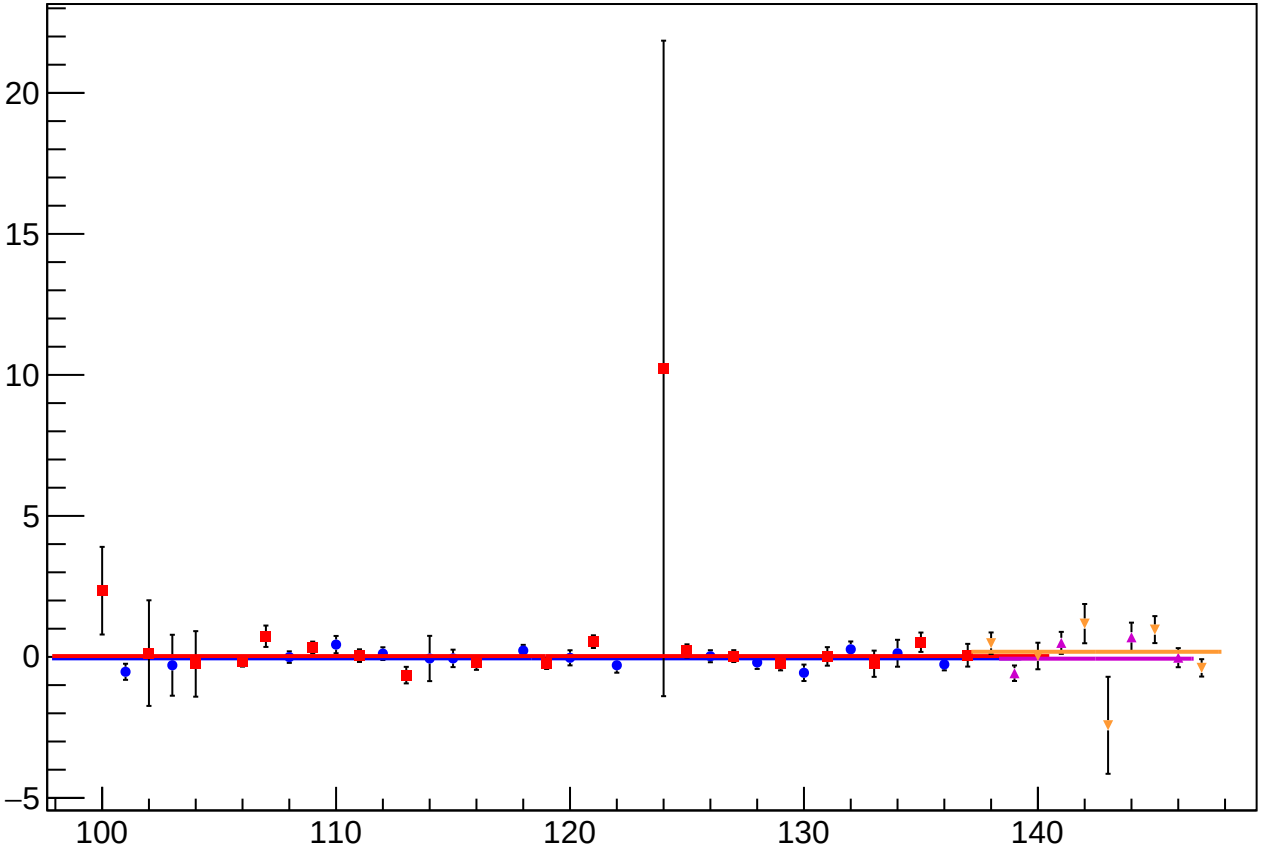
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 184.967+/-0.044 χ^2/NDF:2912696.3/19

Out: 173.985+/-0.043 χ^2/NDF:5823197.9/24

All: 179.312+/-0.031 χ^2/NDF: 8767794.7/44

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: 0.182+/-0.187 χ^2/NDF:11.2/5

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.063+/-0.176 χ^2/NDF:7.7/3

Left: 0.053+/-0.128 χ^2/NDF: 19.8/9

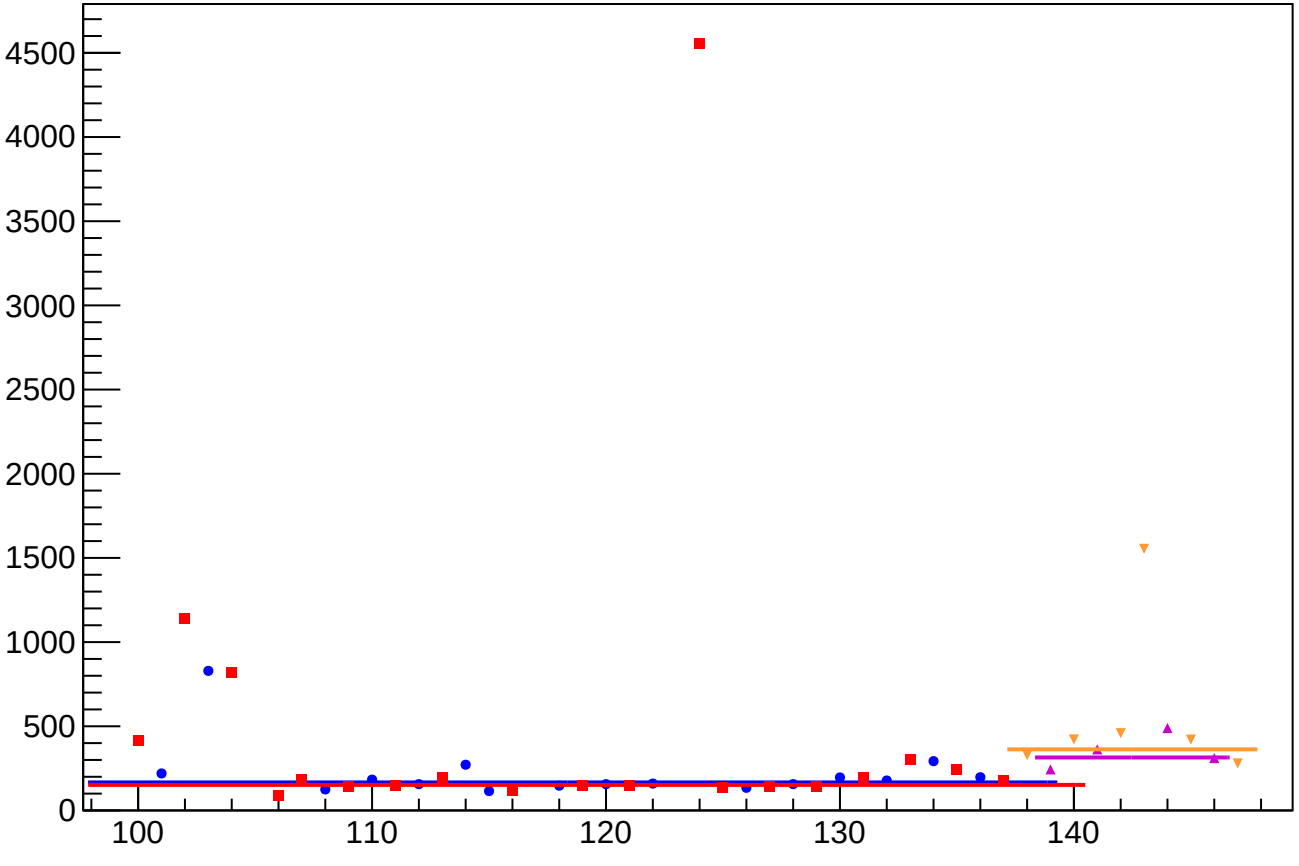
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.062 χ^2/NDF:22.6/19

Out: 0.045+/-0.061 χ^2/NDF:39.4/24

All: -0.002+/-0.043 χ^2/NDF: 63.2/44

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: 362.947+/-0.132 χ^2/NDF:1220933.2/5

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 314.651+/-0.125 χ^2/NDF:390570.7/3

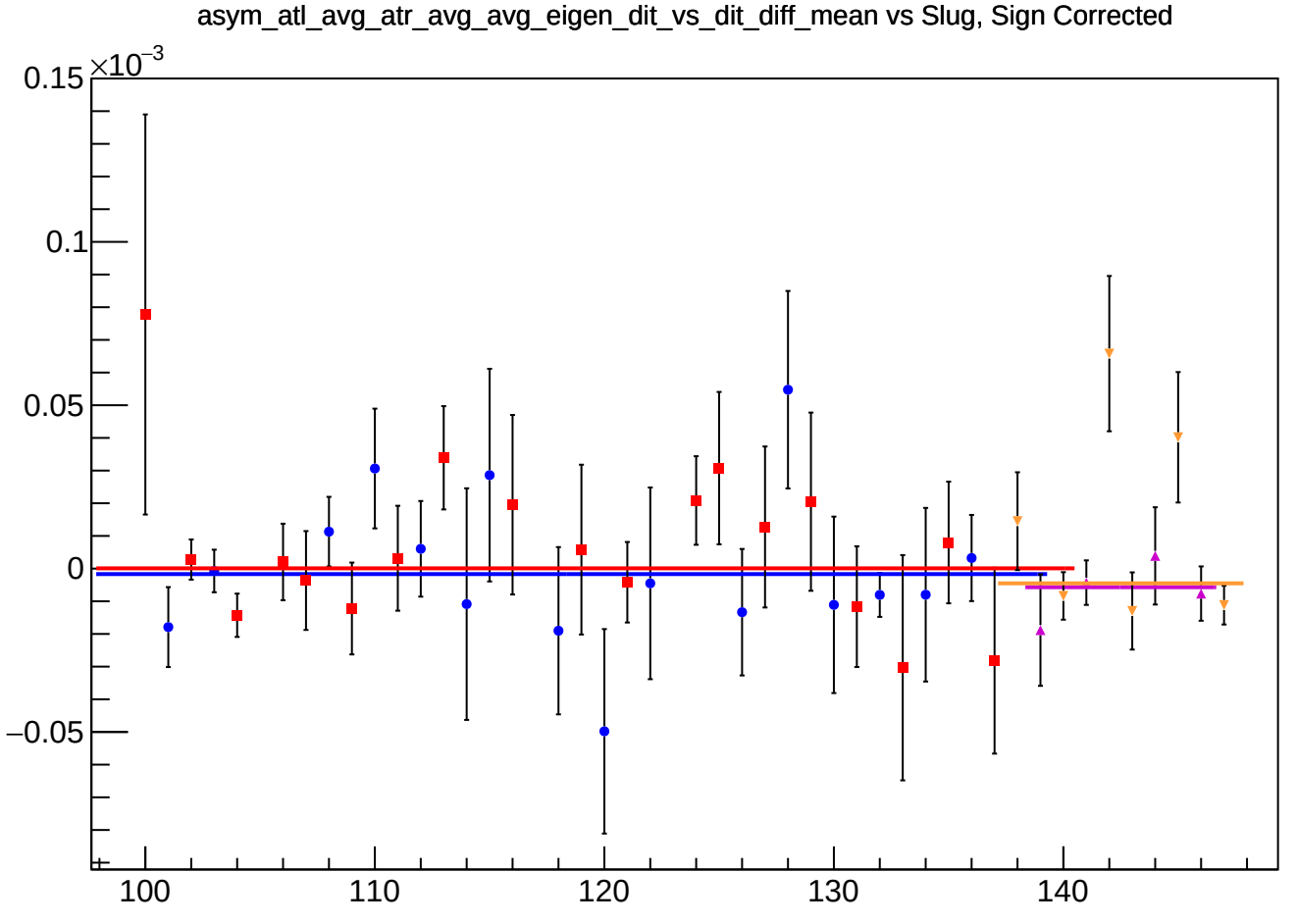
Left: 337.383+/-0.091 χ^2/NDF: 1682256.7/9

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 184.967+/-0.044 χ^2/NDF:2912696.3/19

Out: 173.985+/-0.043 χ^2/NDF:5823197.9/24

All: 179.312+/-0.031 χ^2/NDF: 8767794.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

Left: -0.000+/-0.000 χ^2/NDF: 18.6/9

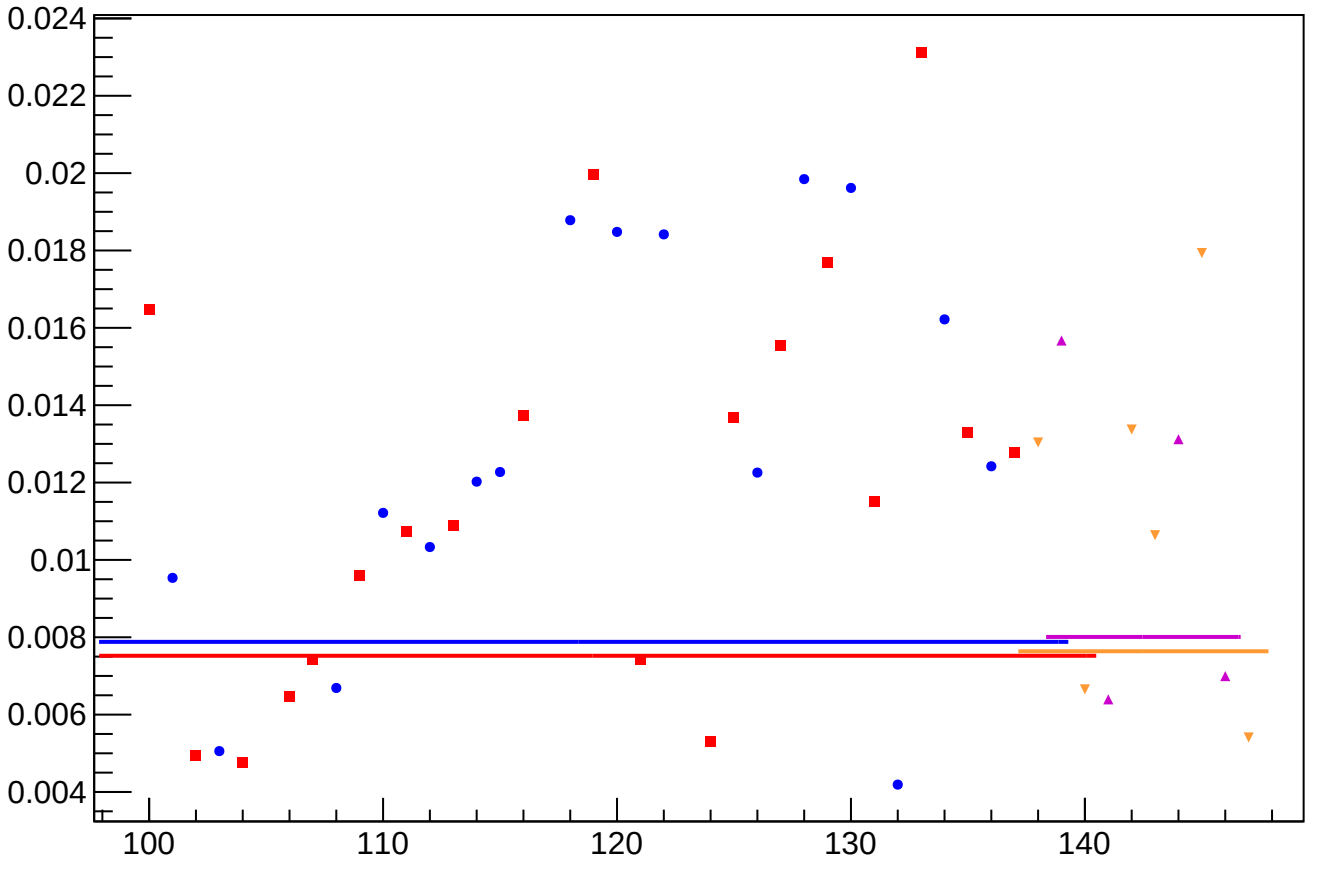
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:17.1/19

Out: -0.000+/-0.000 χ^2/NDF:38.1/24

All: -0.000+/-0.000 χ^2/NDF: 55.3/44

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1355188.3/5

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.008+/-0.000 χ^2/NDF:781412.2/3

Left: 0.008+/-0.000 χ^2/NDF: 2143711.3/9

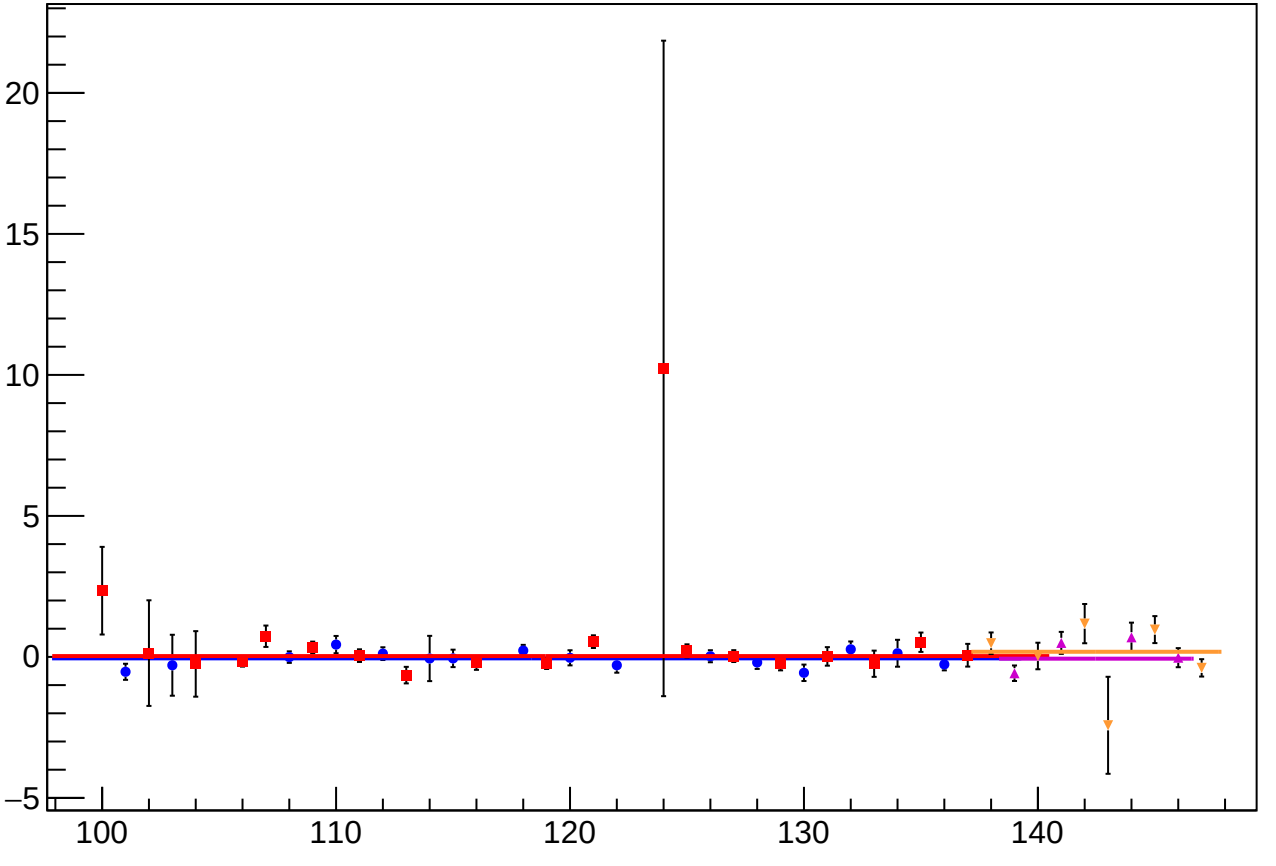
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.008+/-0.000 χ^2/NDF:4084087.3/19

Out: 0.008+/-0.000 χ^2/NDF:4331577.1/24

All: 0.008+/-0.000 χ^2/NDF: 8434339.8/44

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: 0.182+/-0.187 χ^2/NDF:11.2/5

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.063+/-0.176 χ^2/NDF:7.7/3

Left: 0.053+/-0.128 χ^2/NDF: 19.8/9

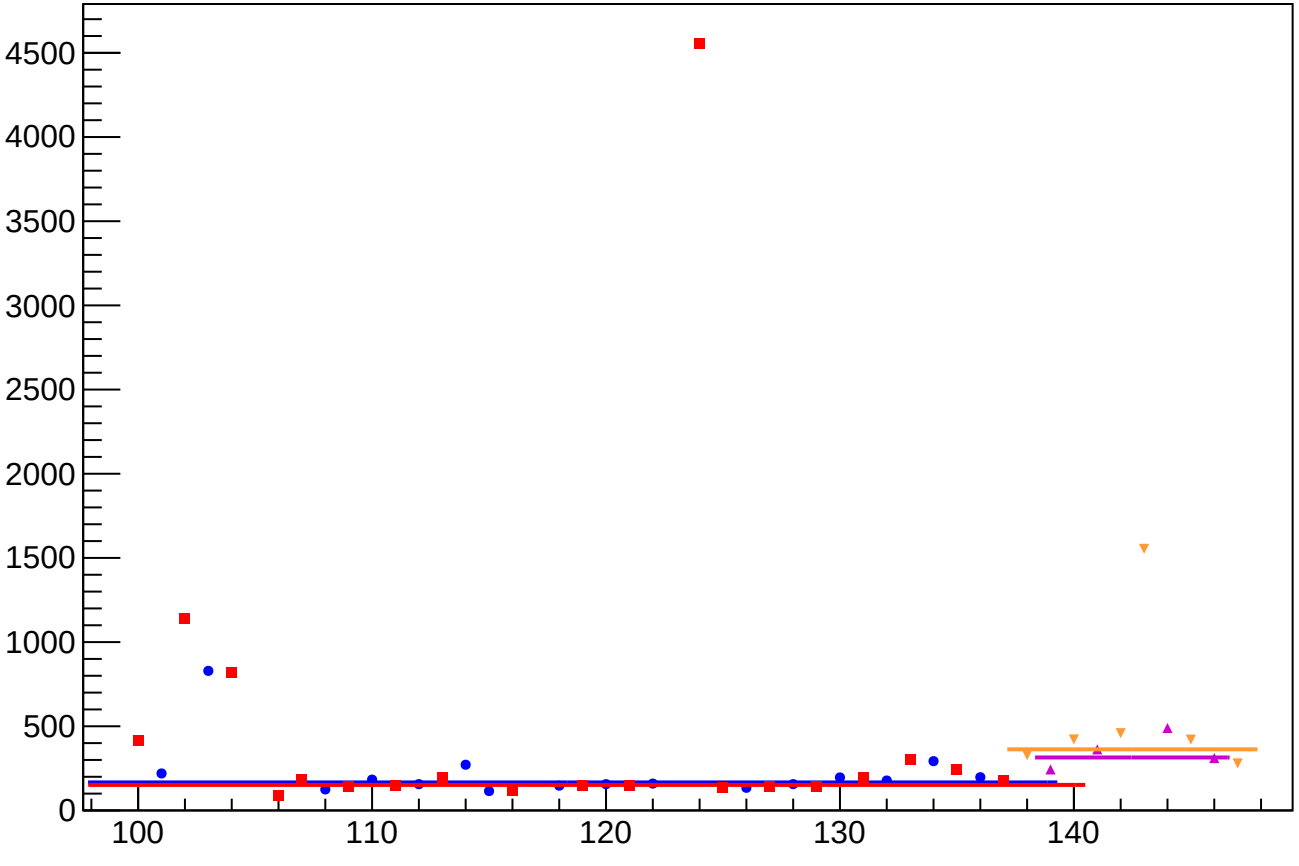
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.062 χ^2/NDF:22.6/19

Out: 0.045+/-0.061 χ^2/NDF:39.4/24

All: -0.002+/-0.043 χ^2/NDF: 63.2/44

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: 362.950+/-0.132 χ^2/NDF:1220930.5/5

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 314.657+/-0.125 χ^2/NDF:390555.8/3

Left: 337.388+/-0.091 χ^2/NDF: 1682233.1/9

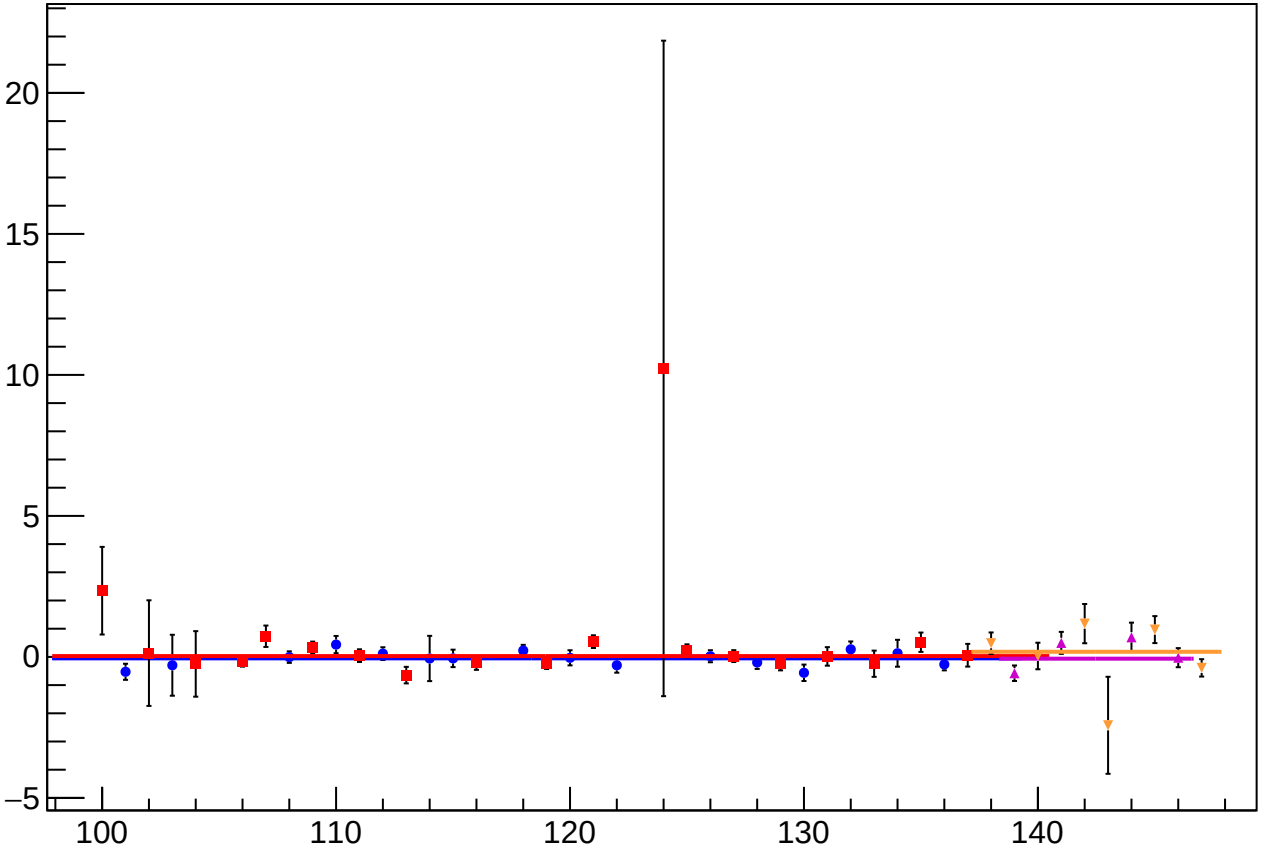
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 184.967+/-0.044 χ^2/NDF:2912744.6/19

Out: 173.983+/-0.043 χ^2/NDF:5823271.7/24

All: 179.311+/-0.031 χ^2/NDF: 8767921.9/44

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: 0.182+/-0.187 χ^2/NDF:11.2/5

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.063+/-0.176 χ^2/NDF:7.7/3

Left: 0.053+/-0.128 χ^2/NDF: 19.8/9

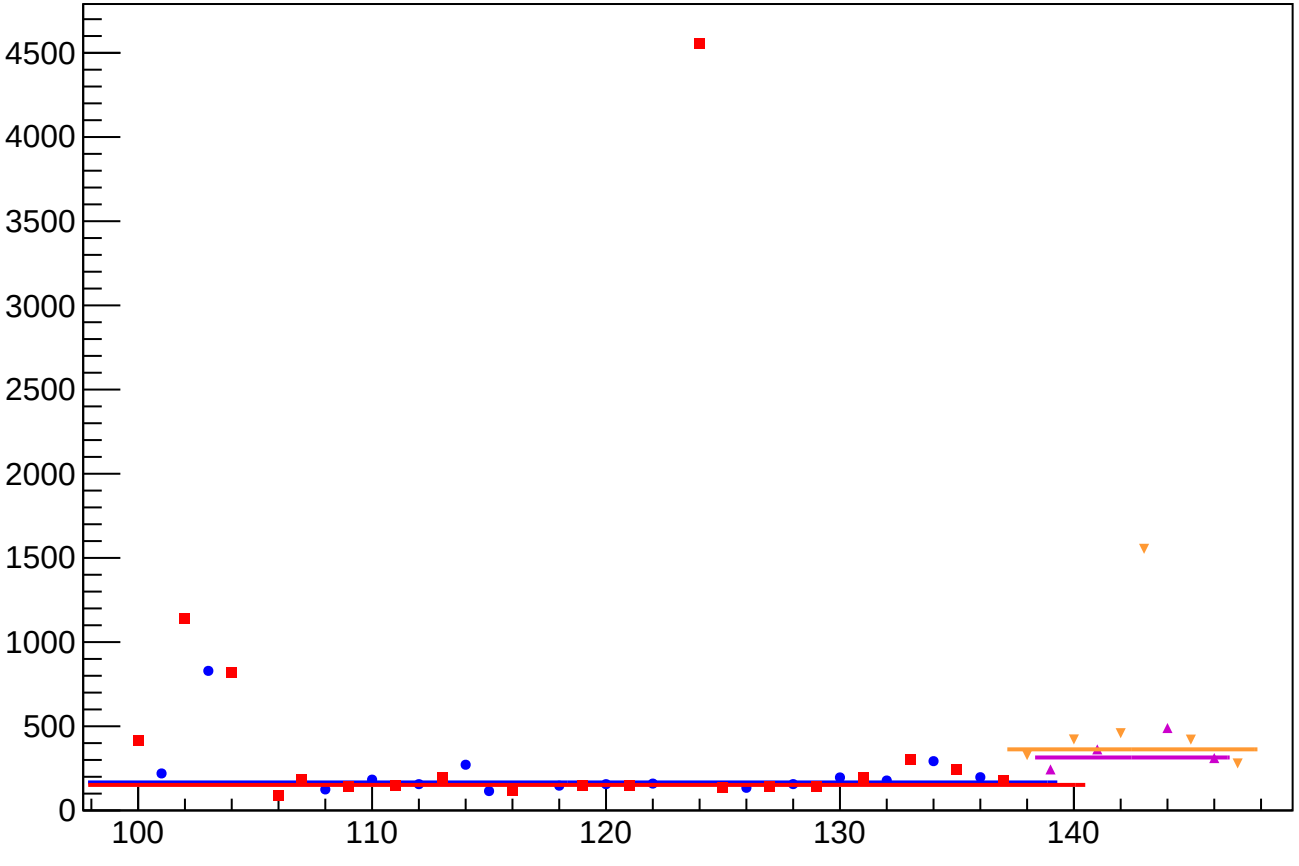
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.062 χ^2/NDF:22.6/19

Out: 0.045+/-0.061 χ^2/NDF:39.4/24

All: -0.002+/-0.043 χ^2/NDF: 63.2/44

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: 362.950+/-0.132 χ^2/NDF:1220930.5/5

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 314.657+/-0.125 χ^2/NDF:390555.8/3

Left: 337.388+/-0.091 χ^2/NDF: 1682233.1/9

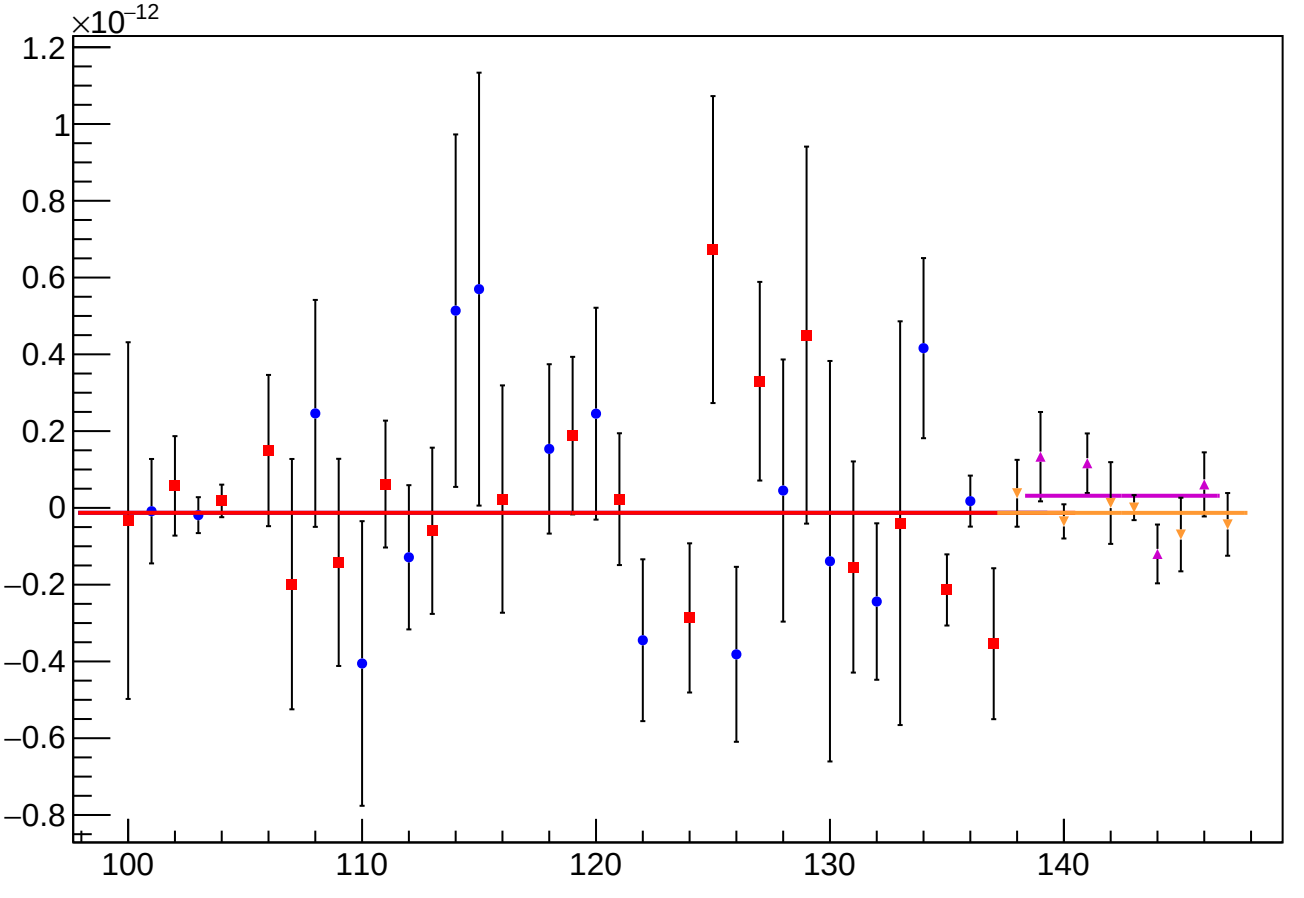
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 184.967+/-0.044 χ^2/NDF:2912744.6/19

Out: 173.983+/-0.043 χ^2/NDF:5823271.7/24

All: 179.311+/-0.031 χ^2/NDF: 8767921.9/44

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/3

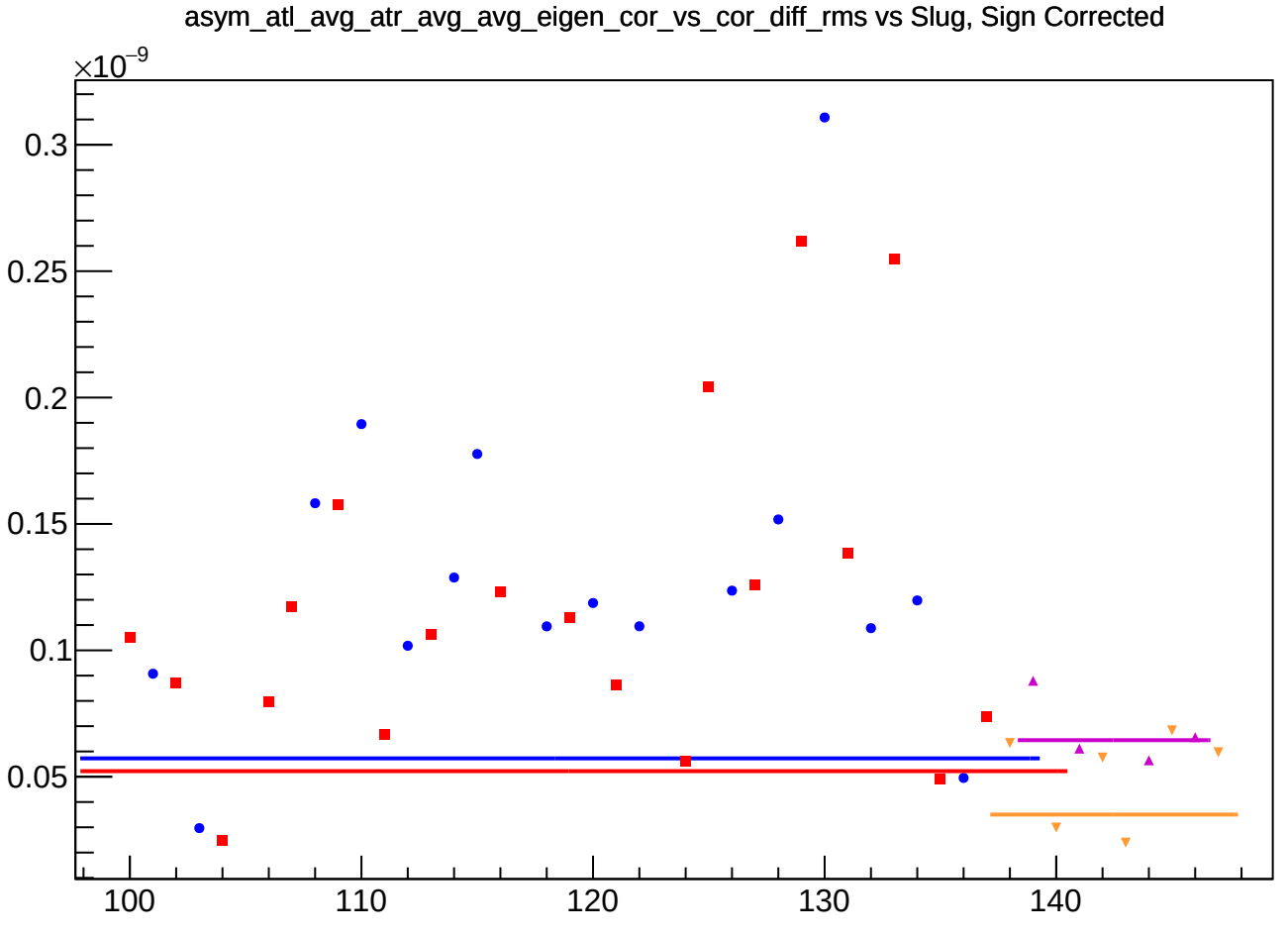
Left: -0.000+/-0.000 χ^2/NDF: 8.2/9

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: 0.000+/-0.000 χ^2/NDF:22.8/19

Out: -0.000+/-0.000 χ^2/NDF:20.2/24

All: -0.000+/-0.000 χ^2/NDF: 43.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:982925.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:107157.4/3

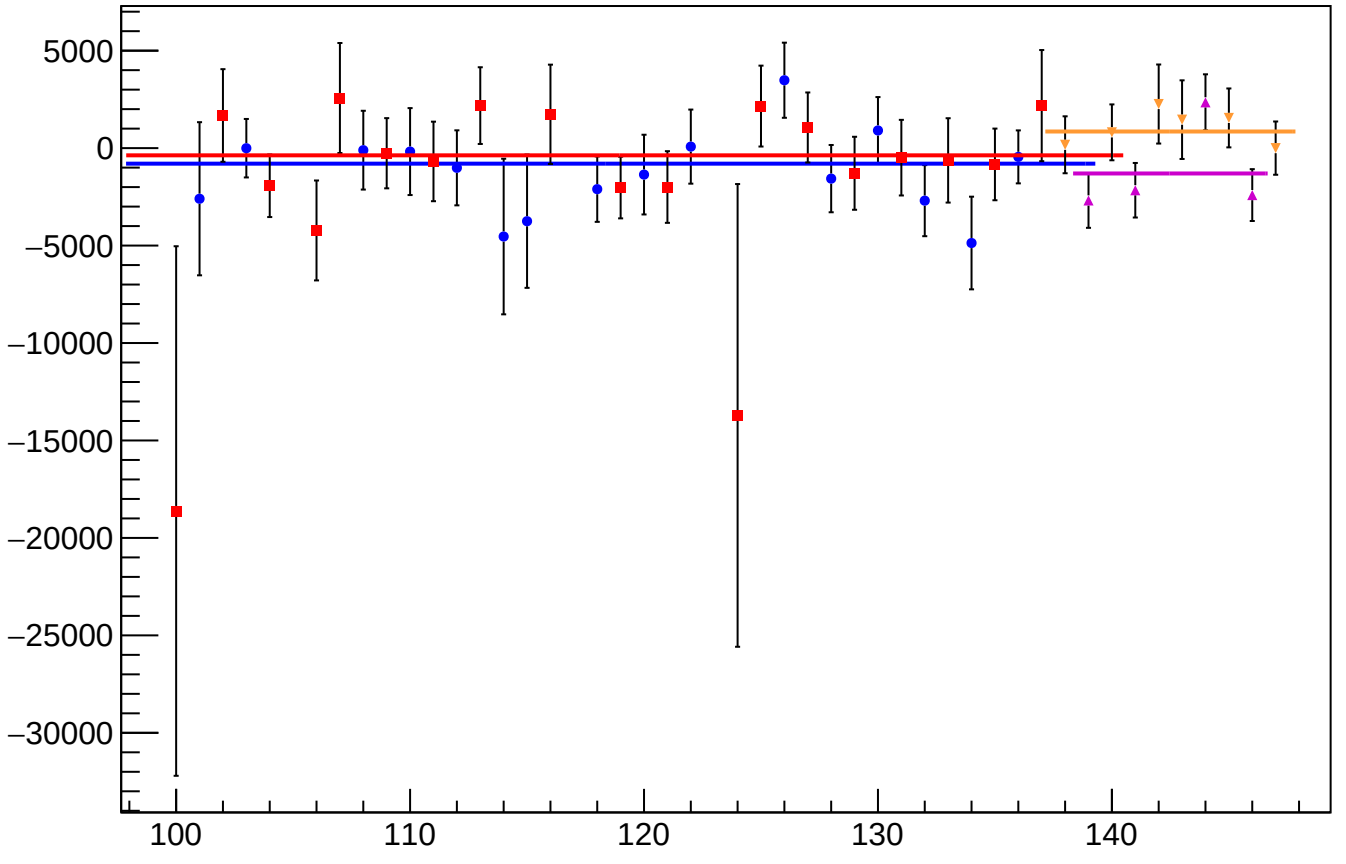
Left: 0.000+/-0.000 χ^2/NDF: 1834446.2/9

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3126130.6/19

Out: 0.000+/-0.000 χ^2/NDF:4660699.3/24

All: 0.000+/-0.000 χ^2/NDF: 8496992.5/44



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 852.730+/-643.147 χ^2/NDF:1.4/5

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -1300.787+/-695.777 χ^2/NDF:8.5/3

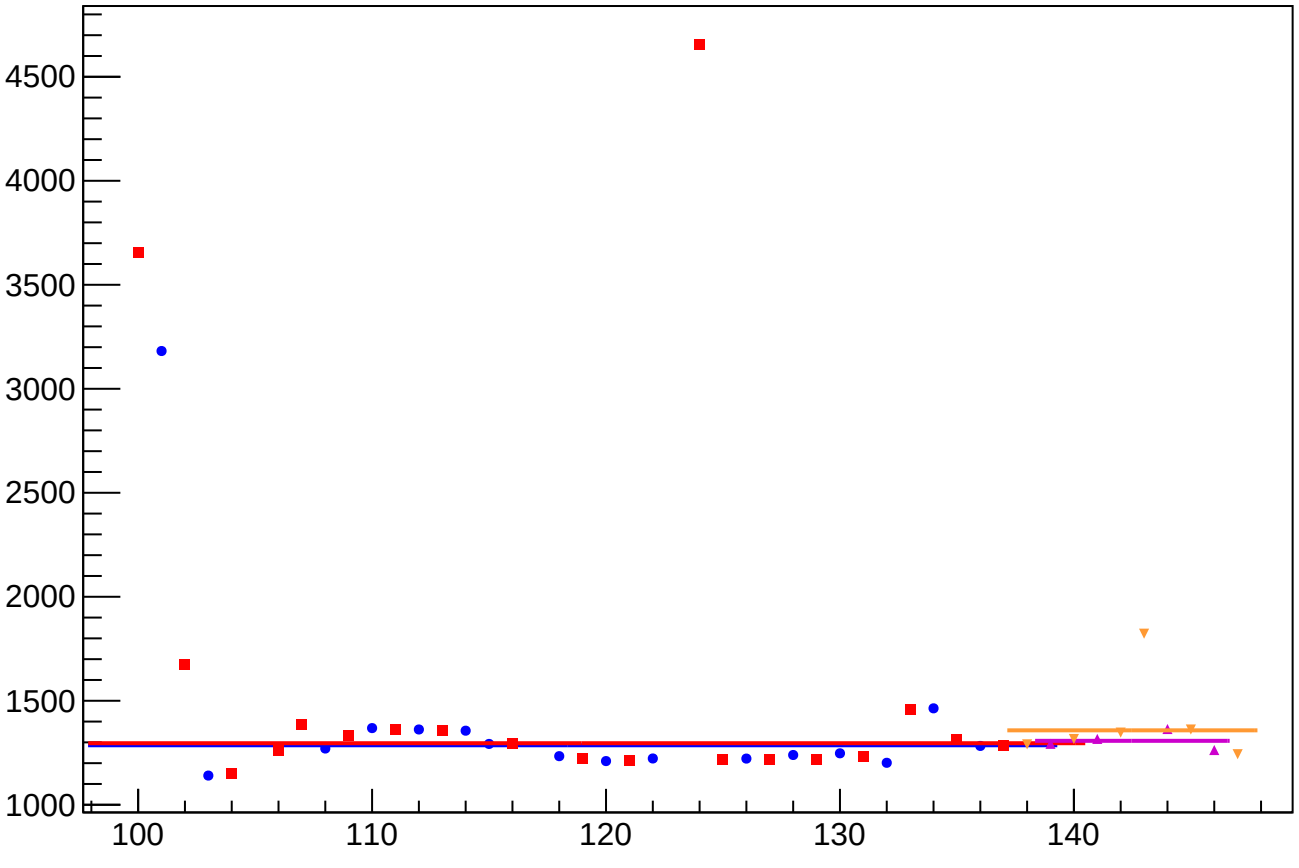
Left: -139.510+/-472.285 χ^2/NDF: 15.0/9

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -963.053+/-399.227 χ^2/NDF:22.3/19

Out: 74.217+/-387.656 χ^2/NDF:19.3/24

All: -429.168+/-278.115 χ^2/NDF: 45.0/44



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

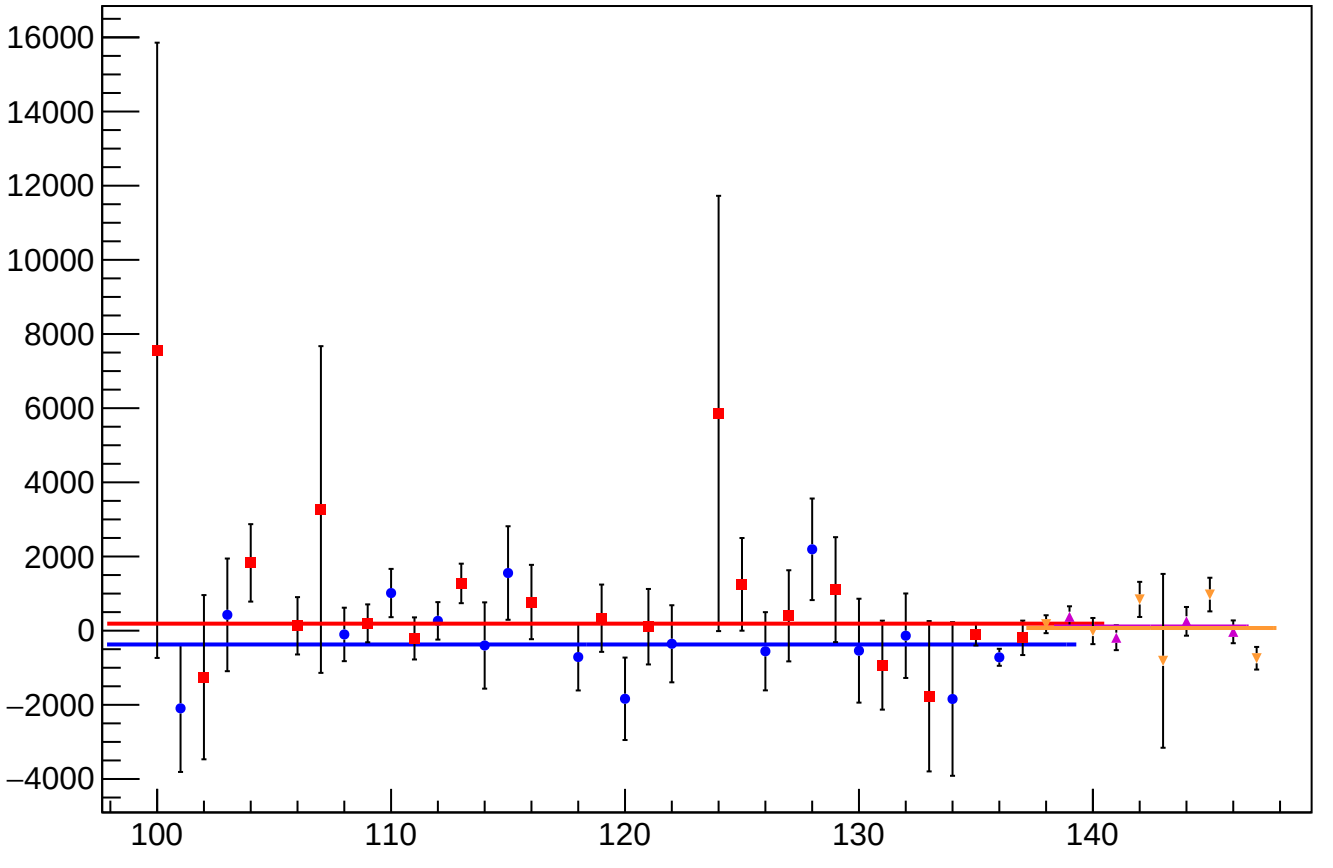
Left: 1334.597+/-0.334 χ^2/NDF: 137528.0/9

Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1293.111+/-0.282 χ^2/NDF:525020.1/19

Out: 1318.428+/-0.274 χ^2/NDF:466088.7/24

All: 1306.142+/-0.197 χ^2/NDF: 995248.4/44



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: 71.773+/-148.385 χ^2/NDF:14.1/5

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 112.952+/-160.733 χ^2/NDF:2.0/3

Left: 90.720+/-109.028 χ^2/NDF: 16.2/9

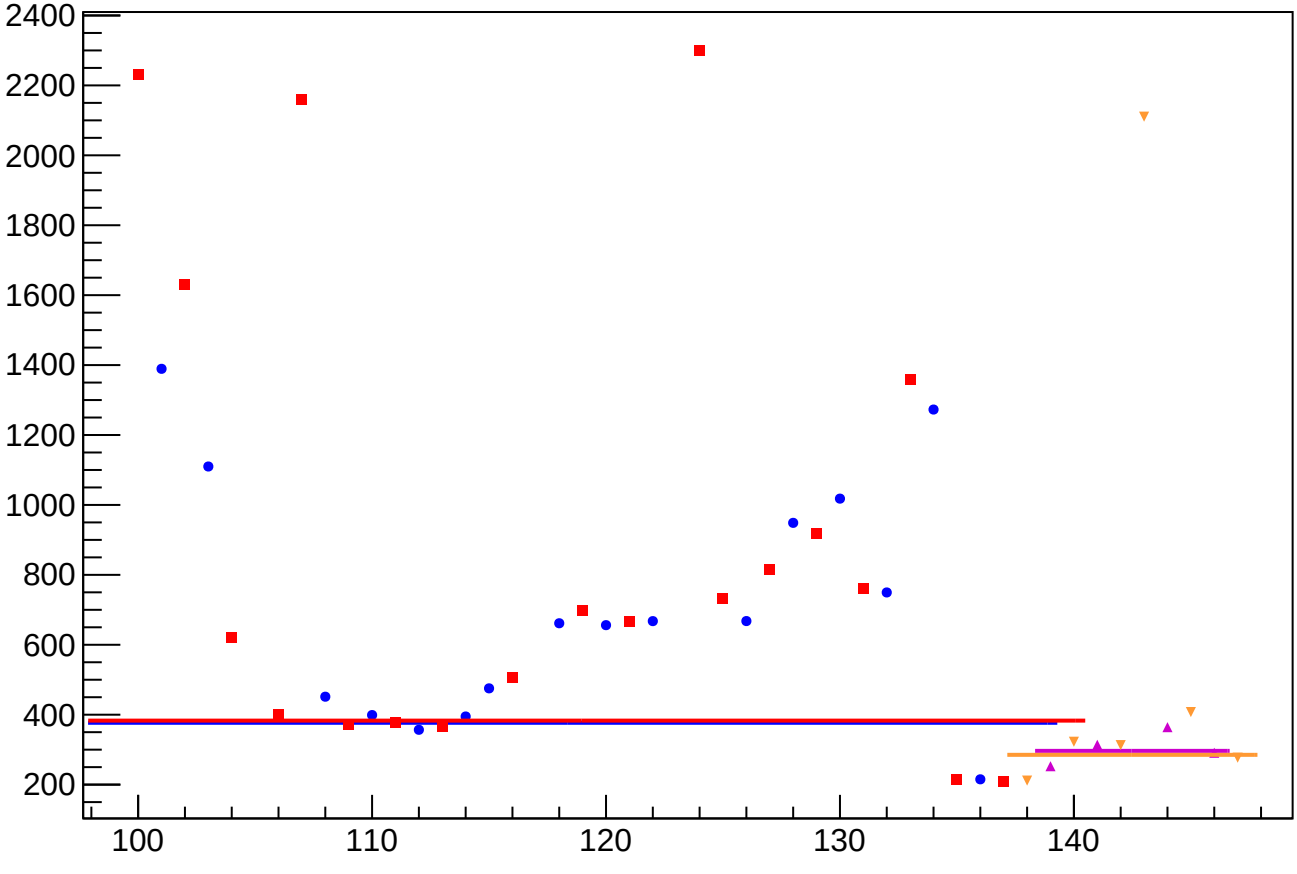
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -118.671+/-116.207 χ^2/NDF:24.5/19

Out: 122.585+/-111.669 χ^2/NDF:29.0/24

All: 6.759+/-80.518 χ^2/NDF: 55.8/44

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: 285.205+/-0.105 χ^2/NDF:1575201.5/5

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.534+/-0.114 χ^2/NDF:115766.0/3

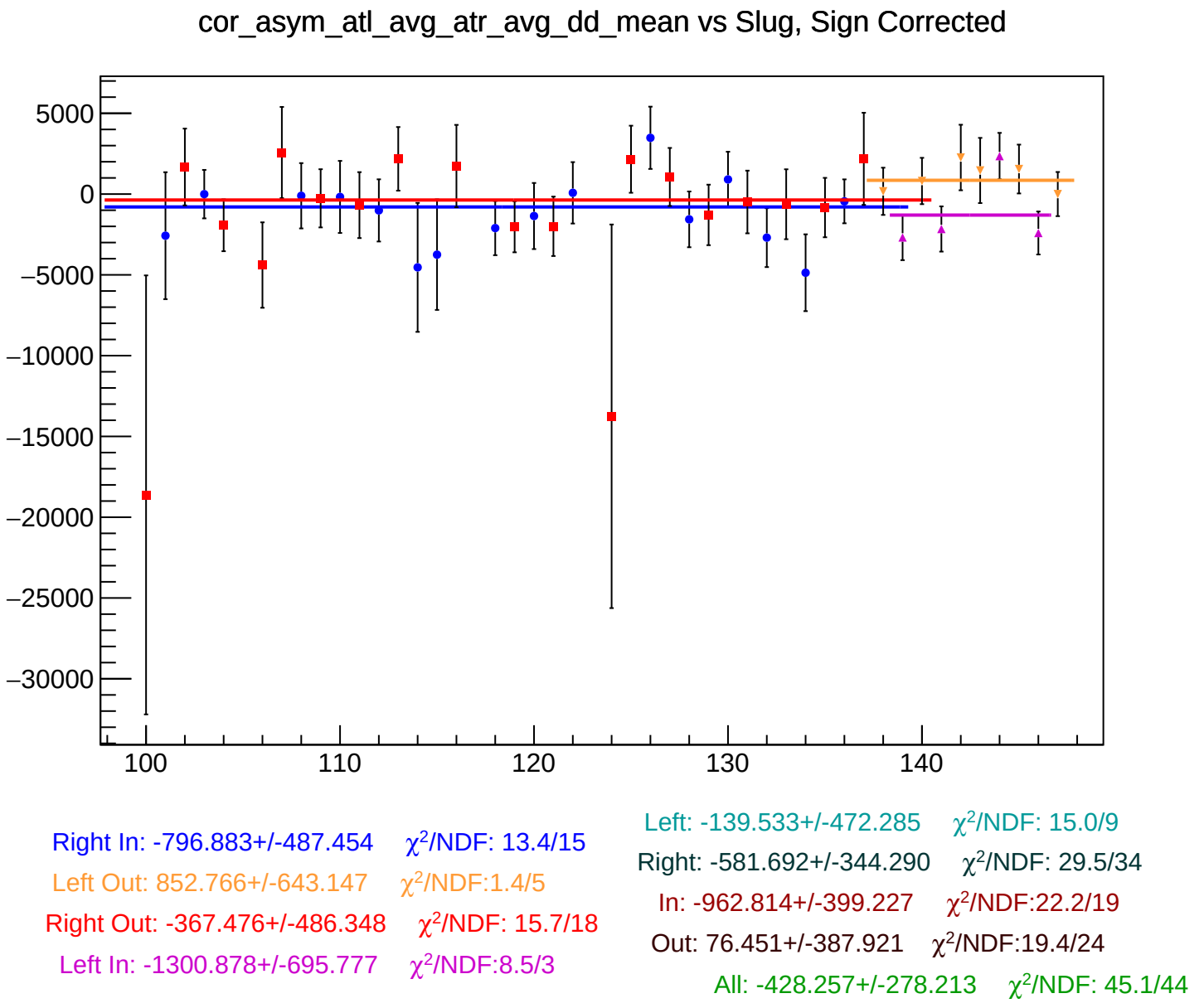
Left: 290.418+/-0.077 χ^2/NDF: 1696331.4/9

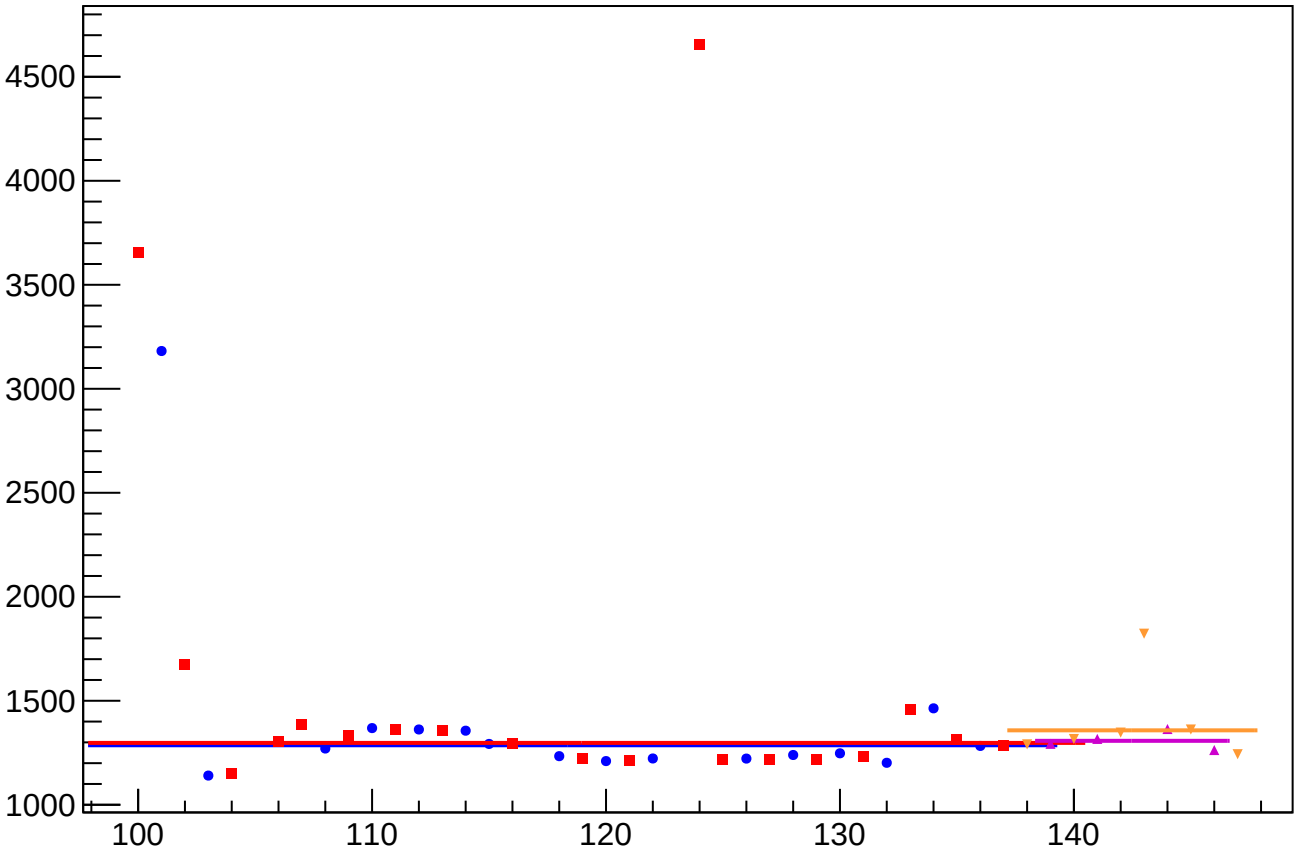
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 334.889+/-0.082 χ^2/NDF:4544565.5/19

Out: 327.646+/-0.079 χ^2/NDF:6006615.2/24

All: 331.123+/-0.057 χ^2/NDF: 10555220.3/44


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
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 852.766+/-643.147 χ²/NDF:1.4/5
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -1300.878+/-695.777 χ²/NDF:8.5/3
Left: -139.533+/-472.285 χ²/NDF: 15.0/9
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -962.814+/-399.227 χ²/NDF:22.2/19
Out: 76.451+/-387.921 χ²/NDF:19.4/24
All: -428.257+/-278.213 χ²/NDF: 45.1/44



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1334.597+/-0.334 χ^2/NDF: 137528.0/9

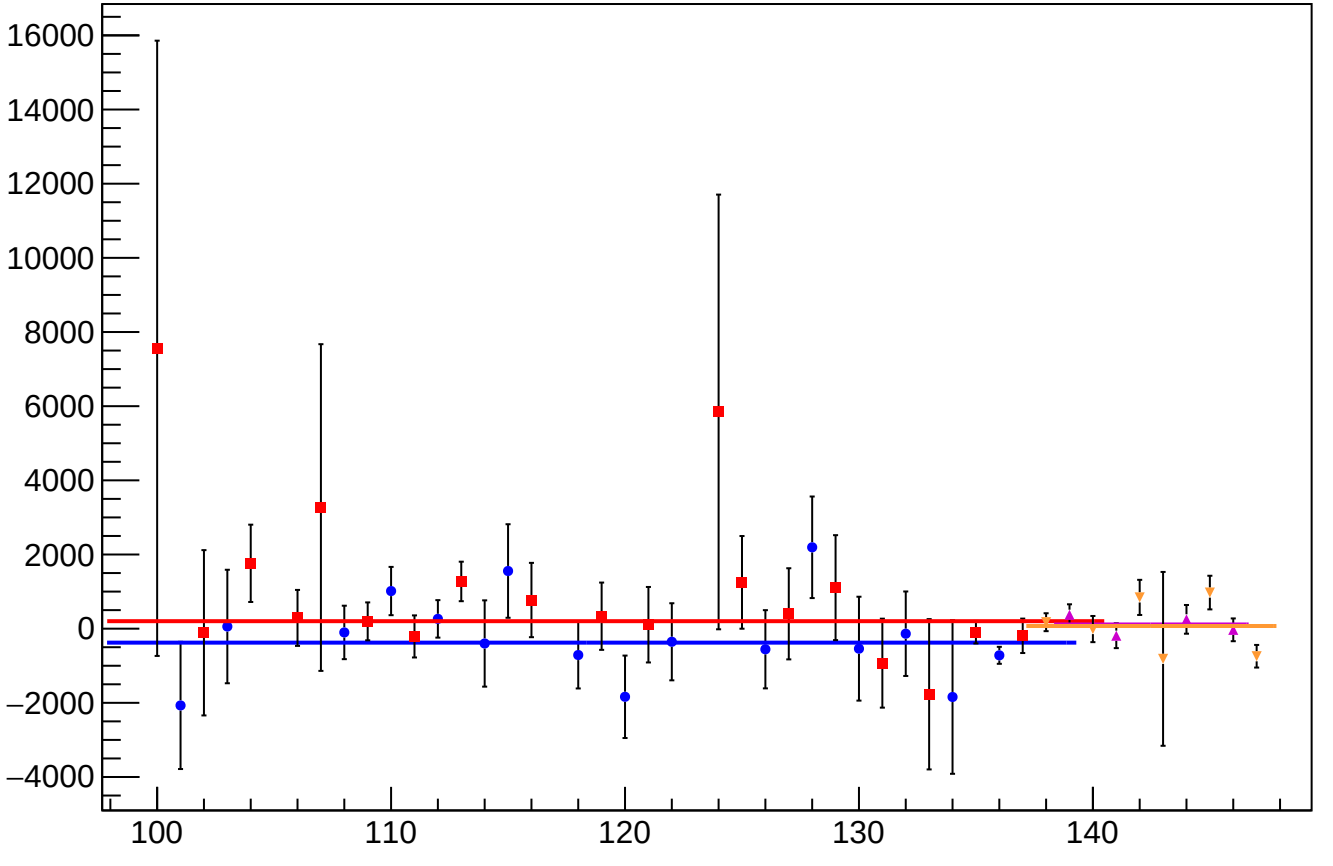
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1293.111+/-0.282 χ^2/NDF:525021.6/19

Out: 1319.382+/-0.274 χ^2/NDF:465205.3/24

All: 1306.624+/-0.197 χ^2/NDF: 994681.3/44

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: 71.856+/-148.390 χ^2/NDF:14.1/5

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 113.044+/-160.731 χ^2/NDF:2.0/3

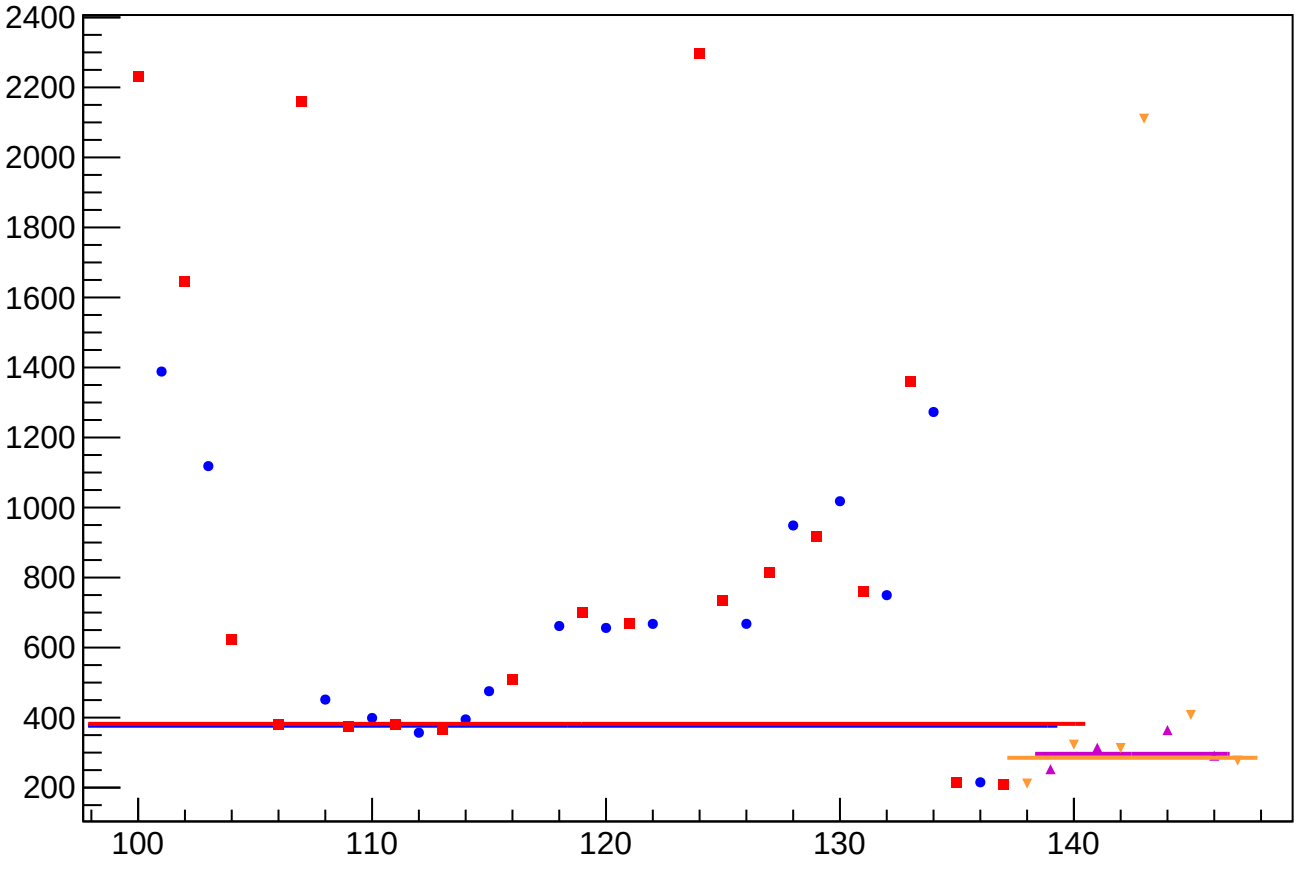
Left: 90.808+/-109.030 χ^2/NDF: 16.2/9

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -120.714+/-116.213 χ^2/NDF:24.4/19

Out: 128.432+/-111.615 χ^2/NDF:28.5/24

All: 8.885+/-80.500 χ^2/NDF: 55.3/44



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

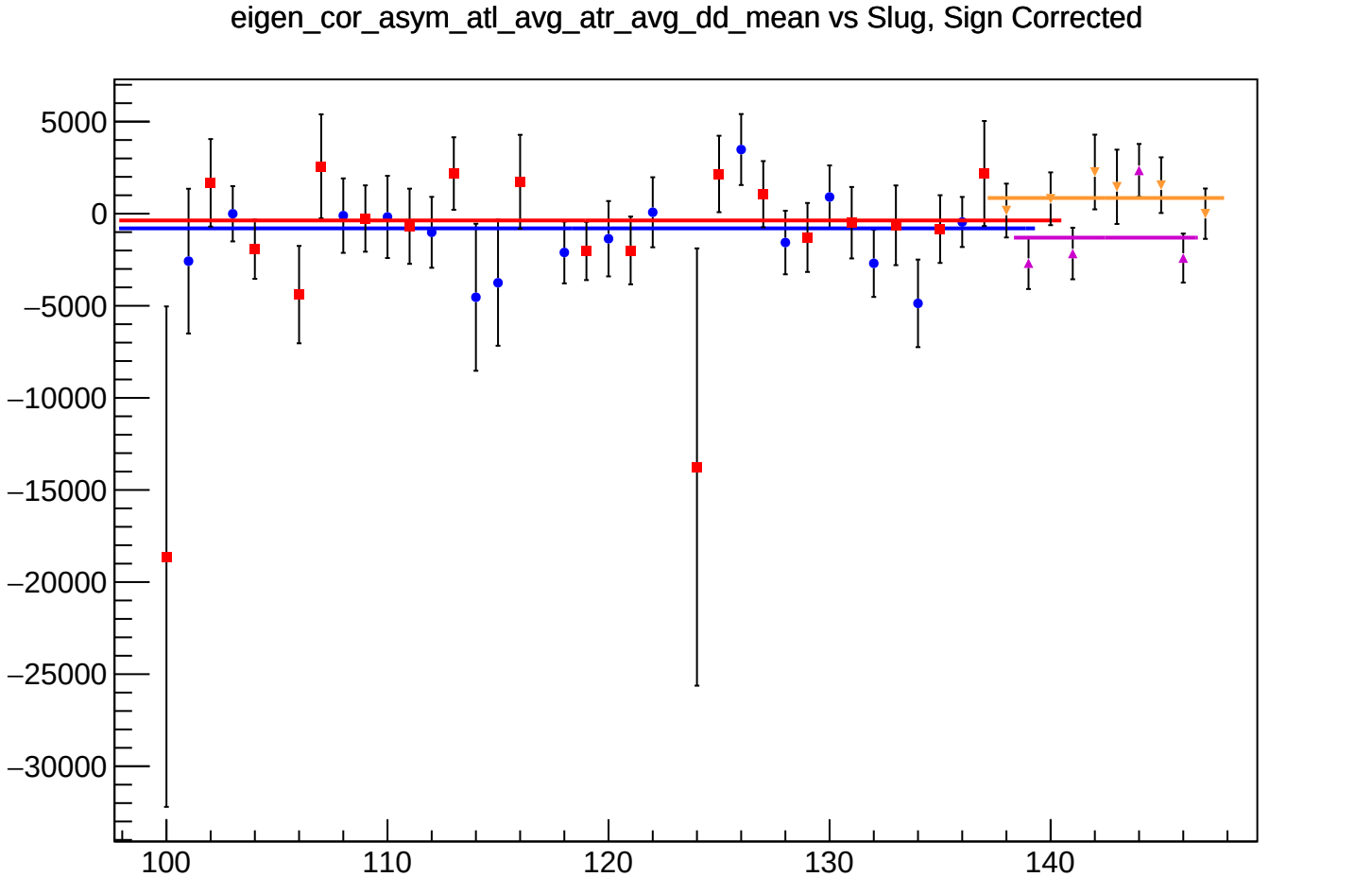
Left: 290.422+/-0.077 χ^2/NDF: 1696306.2/9

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 334.878+/-0.082 χ^2/NDF:4547620.3/19

Out: 327.303+/-0.079 χ^2/NDF:6005298.7/24

All: 330.938+/-0.057 χ^2/NDF: 10557339.6/44



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 852.766+/-643.147 χ^2/NDF:1.4/5

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -1300.878+/-695.777 χ^2/NDF:8.5/3

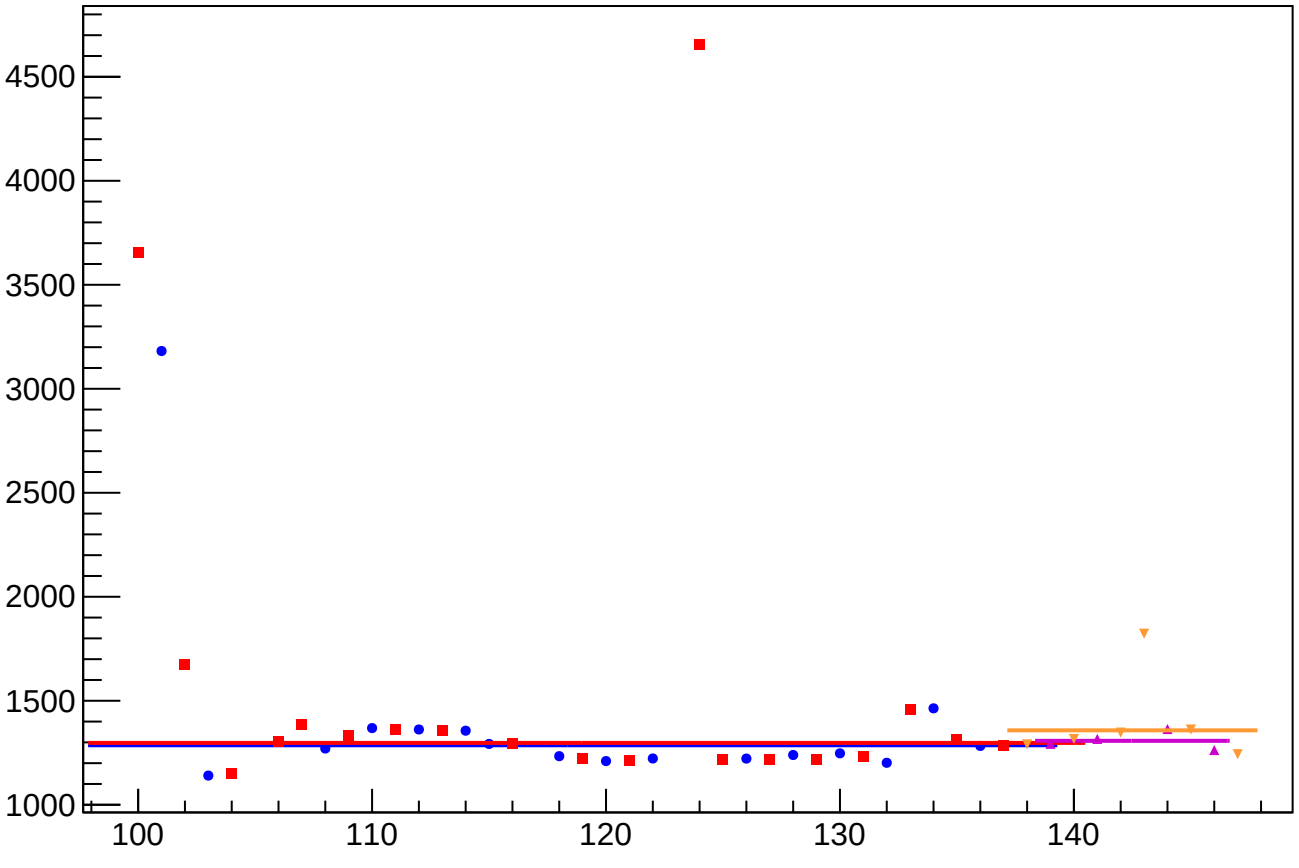
Left: -139.533+/-472.285 χ^2/NDF: 15.0/9

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -962.814+/-399.227 χ^2/NDF:22.2/19

Out: 76.451+/-387.921 χ^2/NDF:19.4/24

All: -428.257+/-278.213 χ^2/NDF: 45.1/44



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

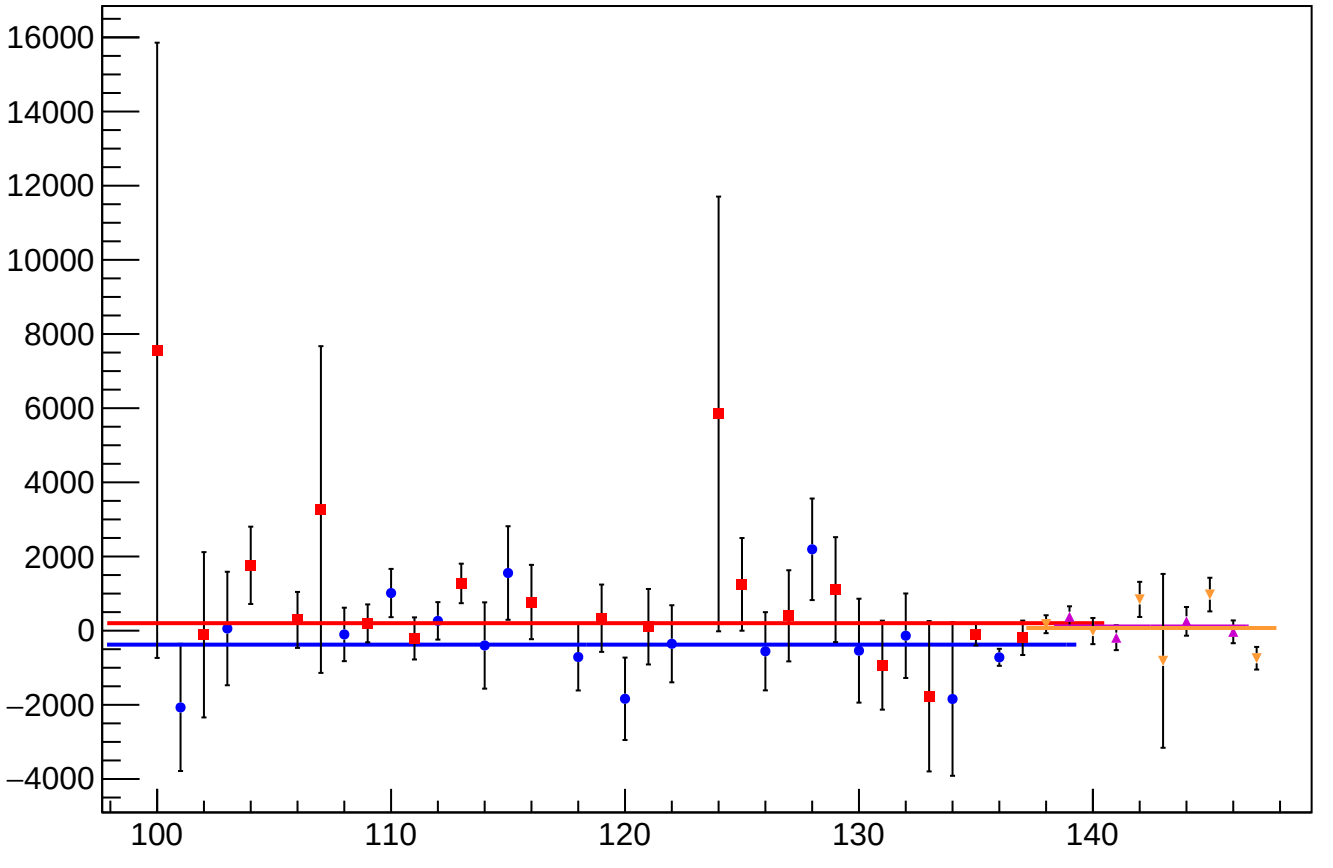
Left: 1334.597+/-0.334 χ^2/NDF: 137528.0/9

Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1293.111+/-0.282 χ^2/NDF:525021.6/19

Out: 1319.382+/-0.274 χ^2/NDF:465205.3/24

All: 1306.624+/-0.197 χ^2/NDF: 994681.3/44



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: 71.856+/-148.390 χ^2/NDF:14.1/5

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 113.044+/-160.731 χ^2/NDF:2.0/3

Left: 90.808+/-109.030 χ^2/NDF: 16.2/9

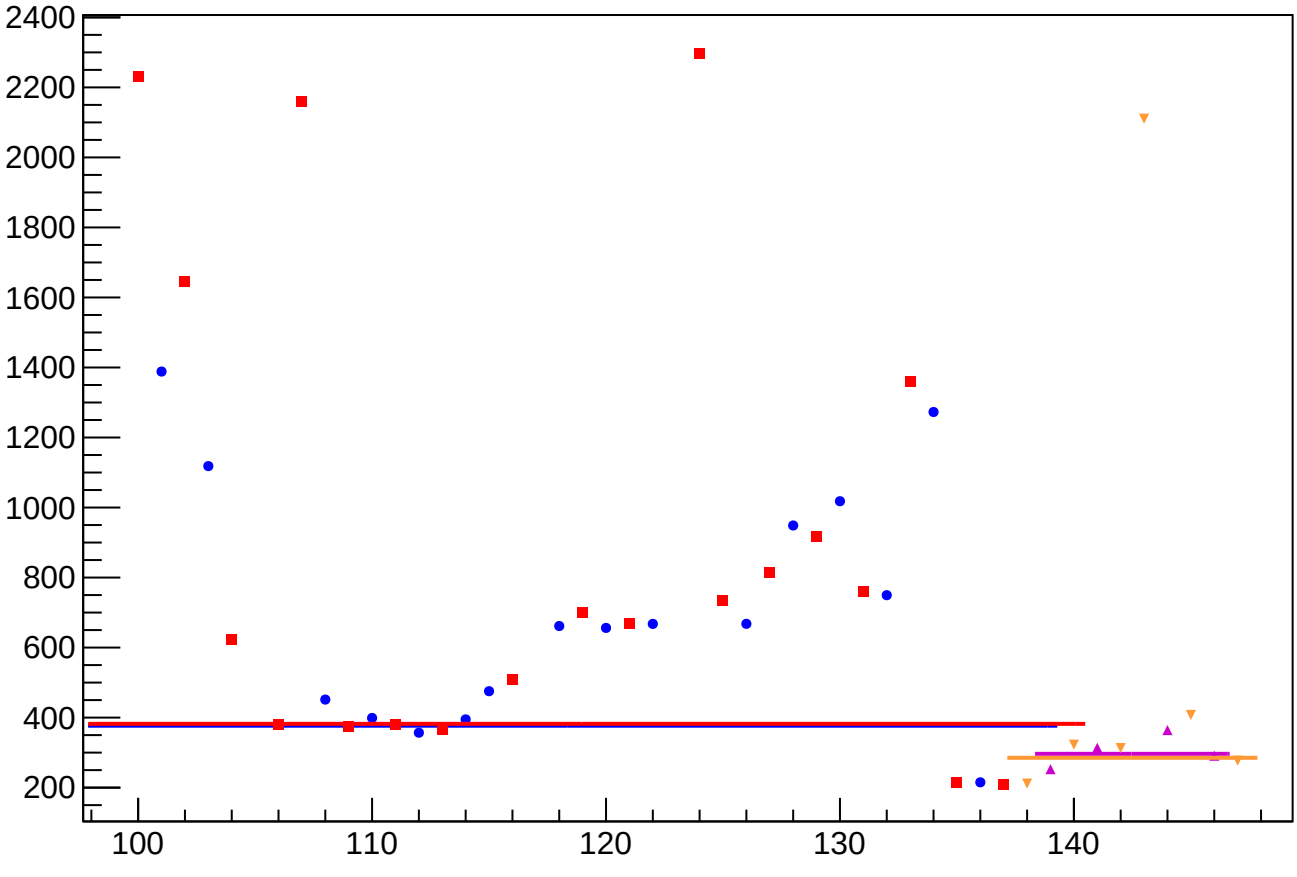
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -120.714+/-116.213 χ^2/NDF:24.4/19

Out: 128.432+/-111.615 χ^2/NDF:28.5/24

All: 8.885+/-80.500 χ^2/NDF: 55.3/44

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: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

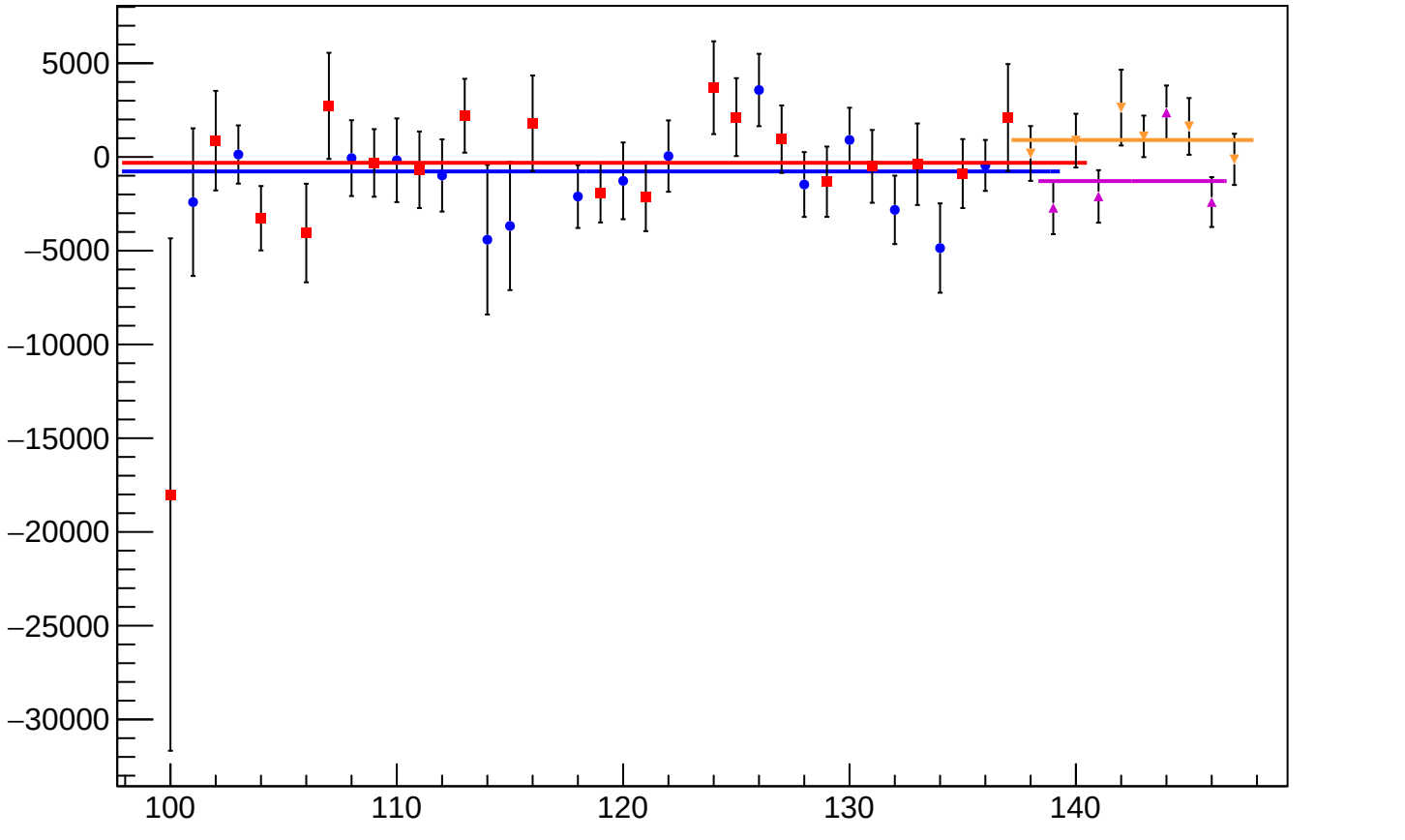
Left: 290.422+/-0.077 χ^2/NDF: 1696306.2/9

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 334.878+/-0.082 χ^2/NDF:4547620.3/19

Out: 327.303+/-0.079 χ^2/NDF:6005298.7/24

All: 330.938+/-0.057 χ^2/NDF: 10557339.6/44



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 902.435+/-578.635 χ^2/NDF:1.8/5

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -1287.022+/-696.377 χ^2/NDF:8.5/3

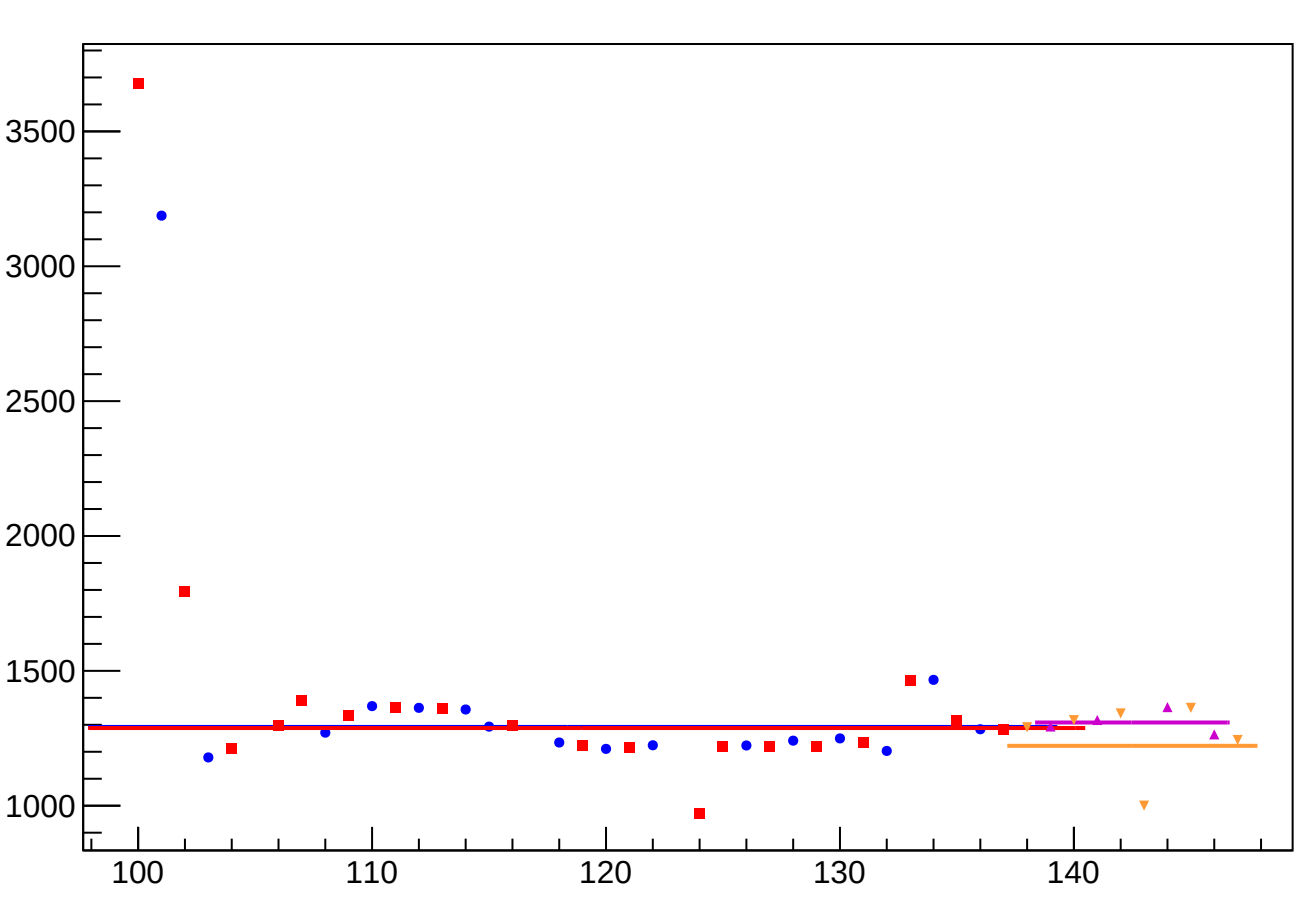
Left: 8.183+/-445.047 χ^2/NDF: 16.2/9

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -942.031+/-400.519 χ^2/NDF:22.5/19

Out: 186.606+/-370.636 χ^2/NDF:22.3/24

All: -334.041+/-272.031 χ^2/NDF: 49.1/44



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1222.099+/-0.409 χ^2/NDF:118378.4/5

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

Left: 1257.397+/-0.315 χ^2/NDF: 142237.2/9

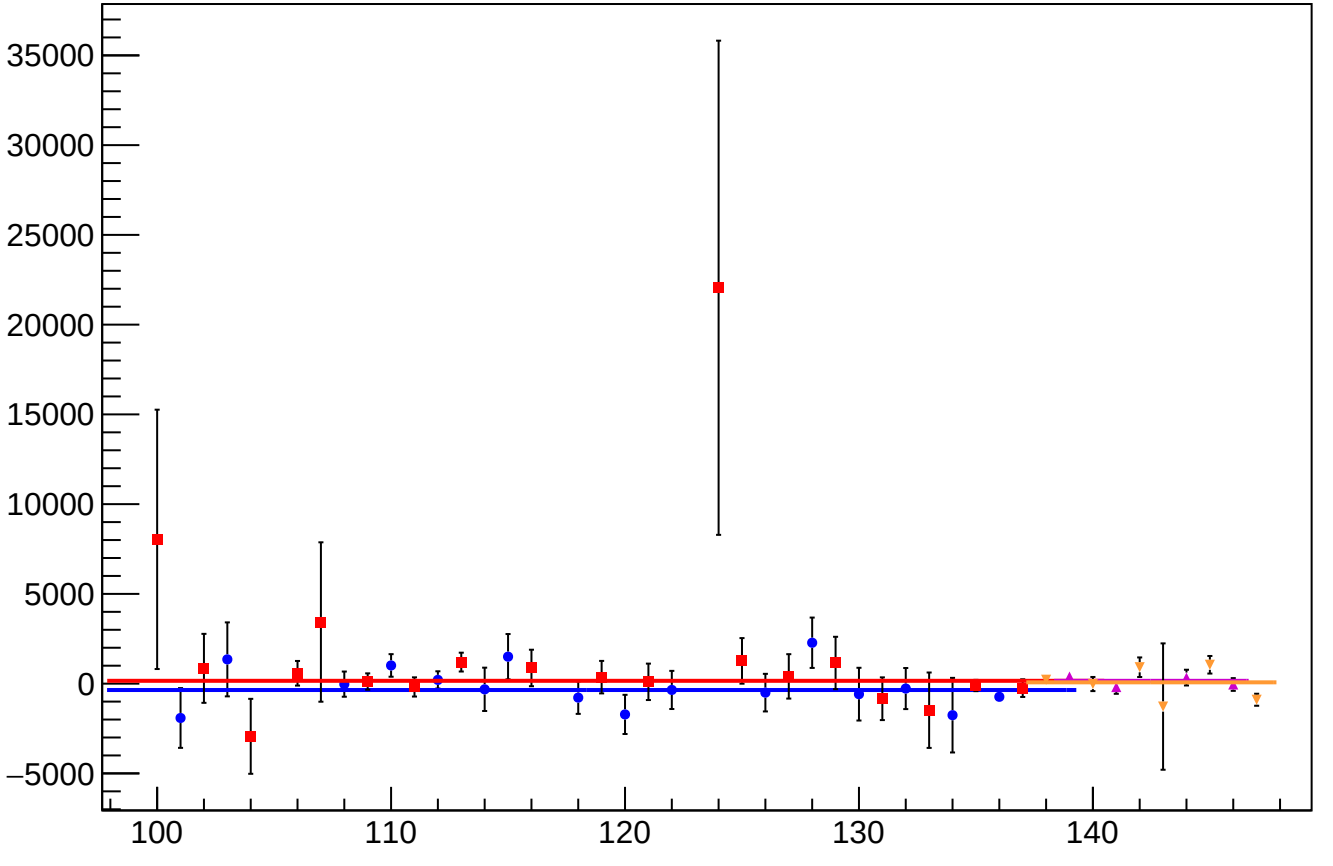
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1297.491+/-0.283 χ^2/NDF:515792.6/19

Out: 1260.955+/-0.262 χ^2/NDF:342880.2/24

All: 1277.809+/-0.192 χ^2/NDF: 867638.1/44

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: 72.849+/-158.450 χ^2/NDF:15.3/5

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 156.827+/-173.571 χ^2/NDF:2.1/3

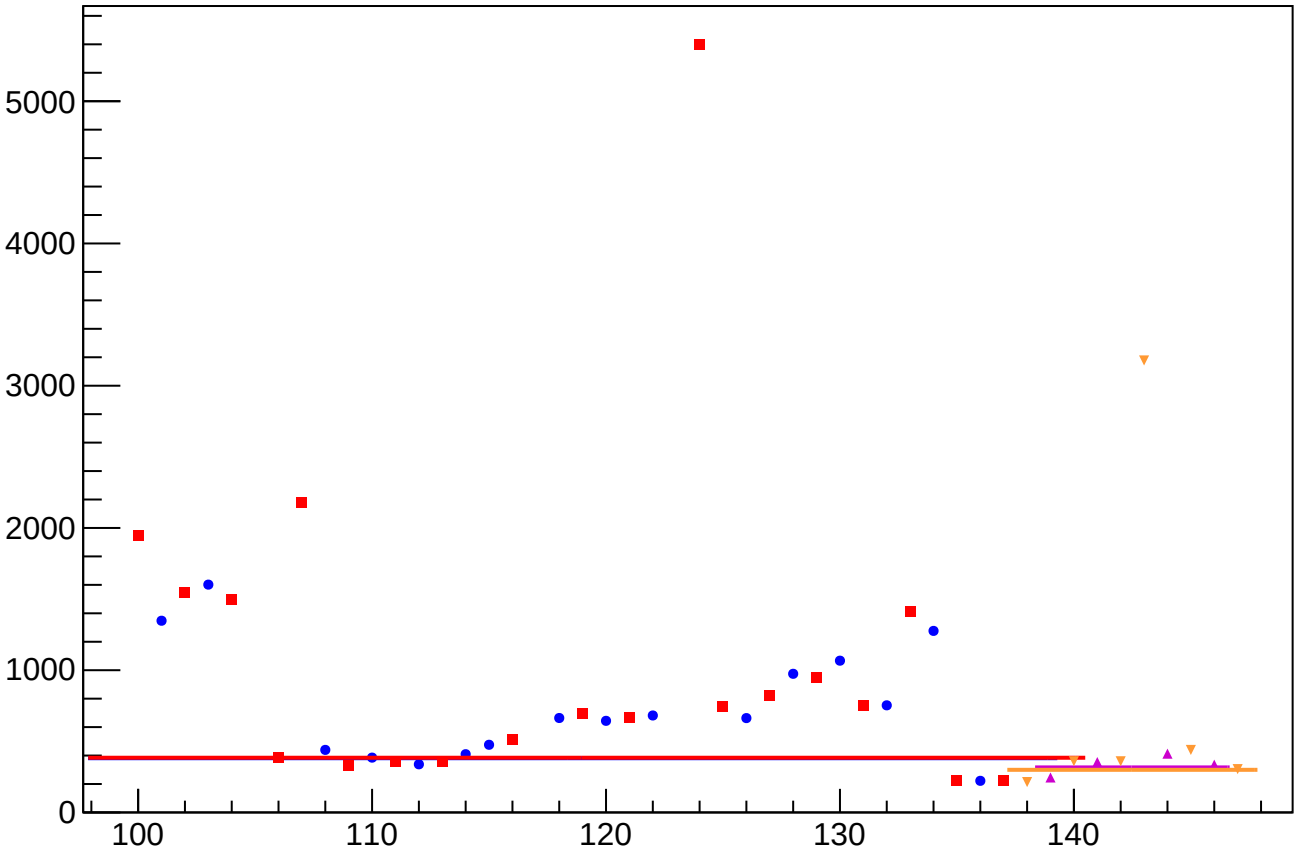
Left: 111.022+/-117.022 χ^2/NDF: 17.5/9

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -104.565+/-121.440 χ^2/NDF:25.0/19

Out: 112.482+/-115.803 χ^2/NDF:31.3/24

All: 9.113+/-83.807 χ^2/NDF: 57.9/44



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 299.713+/-0.112 χ^2/NDF:1821593.1/5

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 316.615+/-0.123 χ^2/NDF:253502.1/3

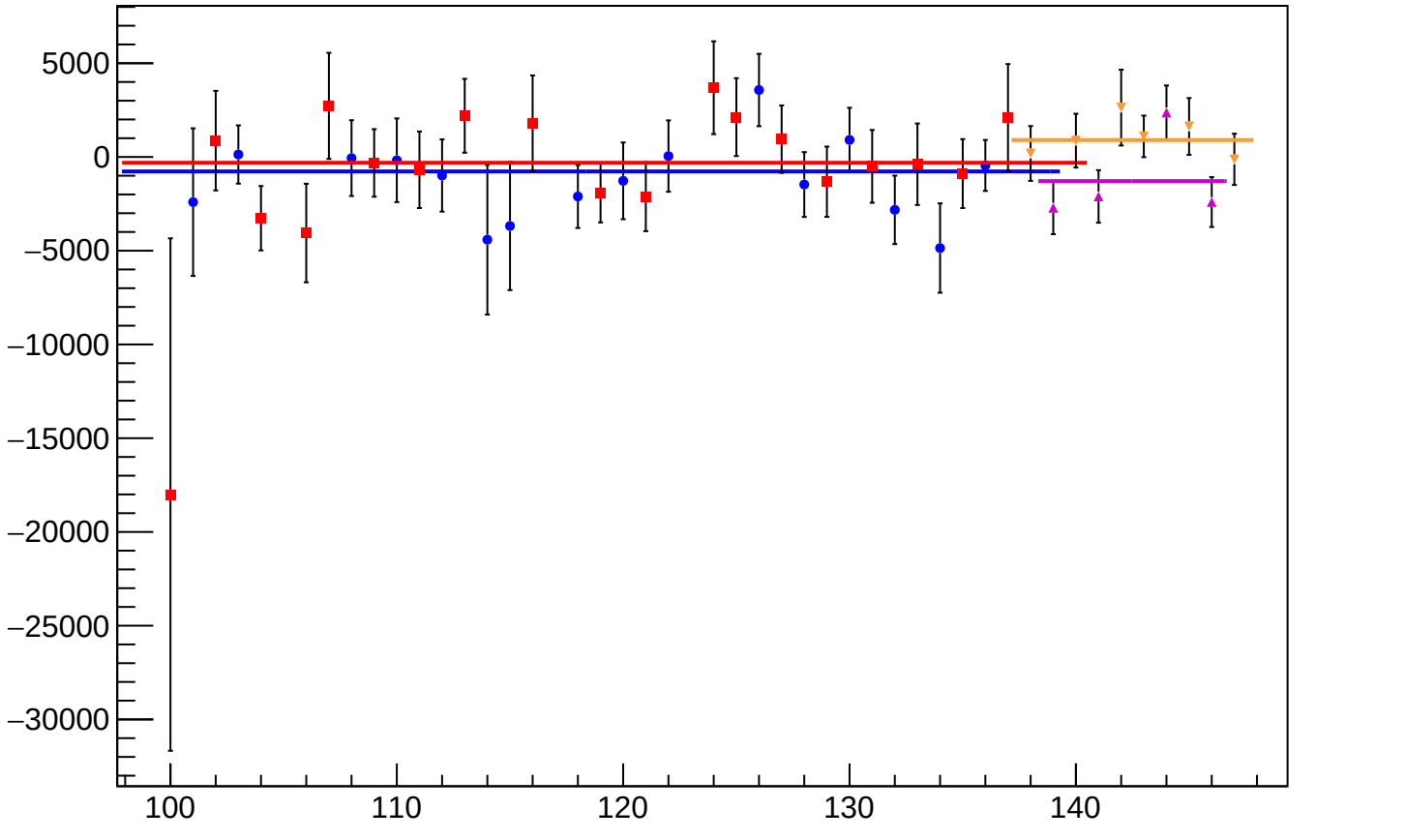
Left: 307.396+/-0.083 χ^2/NDF: 2085439.2/9

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 349.660+/-0.086 χ^2/NDF:4713434.9/19

Out: 339.282+/-0.082 χ^2/NDF:6649531.9/24

All: 344.225+/-0.059 χ^2/NDF: 11370616.6/44



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 902.436+/-578.636 χ^2/NDF:1.8/5

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -1287.017+/-696.377 χ^2/NDF:8.5/3

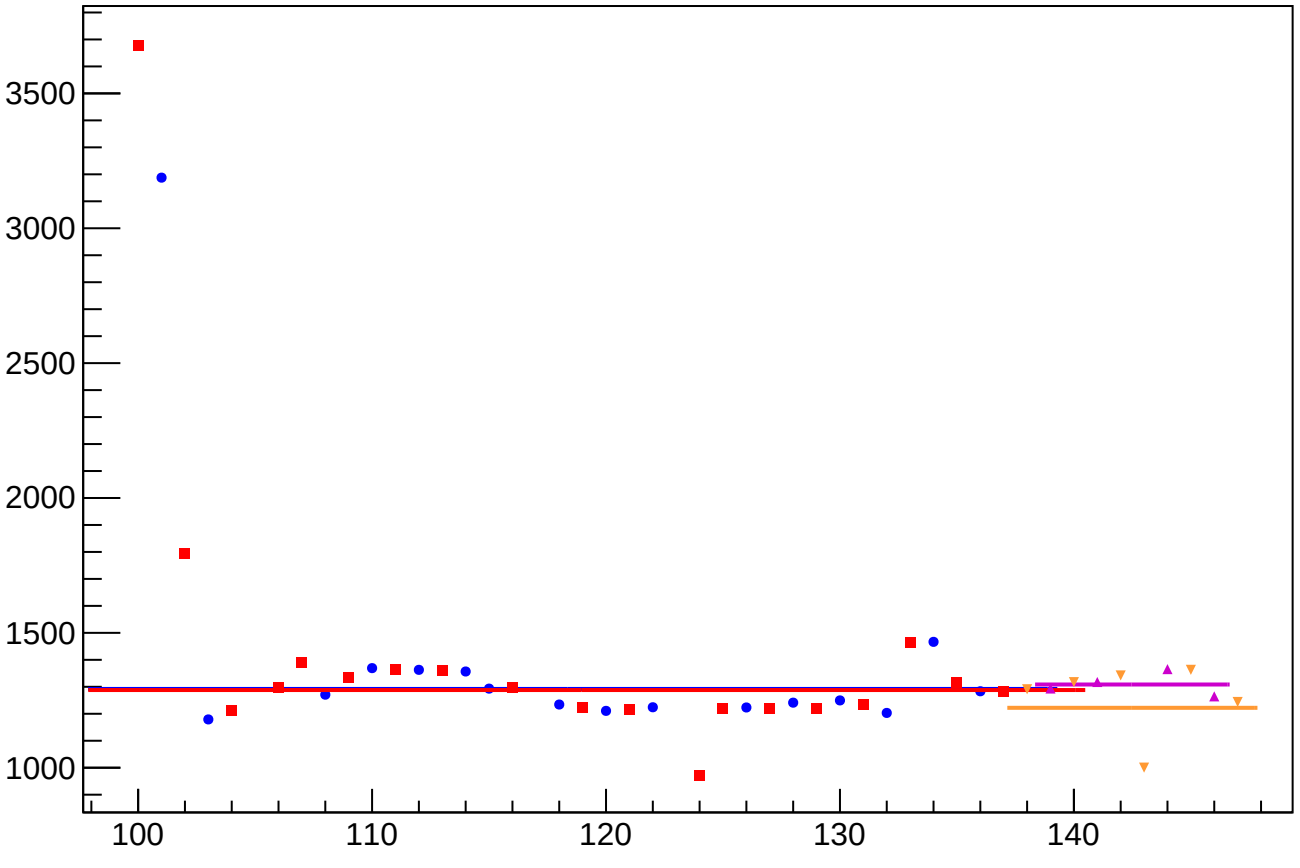
Left: 8.185+/-445.047 χ^2/NDF: 16.2/9

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -942.031+/-400.519 χ^2/NDF:22.5/19

Out: 186.605+/-370.636 χ^2/NDF:22.3/24

All: -334.042+/-272.031 χ^2/NDF: 49.1/44



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1222.099+/-0.409 χ^2/NDF:118377.7/5

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

Left: 1257.398+/-0.315 χ^2/NDF: 142236.4/9

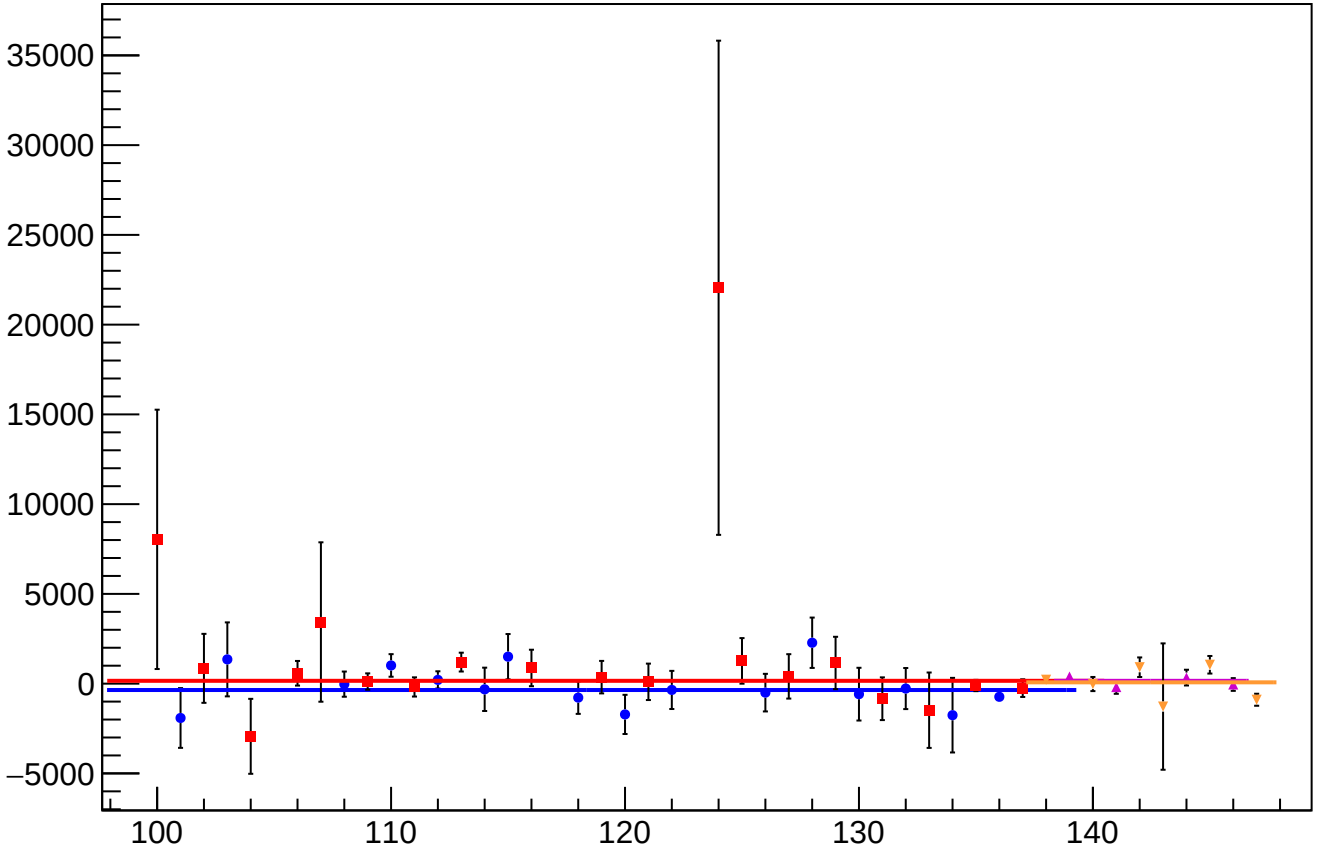
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1297.491+/-0.283 χ^2/NDF:515792.6/19

Out: 1260.955+/-0.262 χ^2/NDF:342879.6/24

All: 1277.809+/-0.192 χ^2/NDF: 867637.4/44

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: 72.844+/-158.455 χ^2/NDF:15.3/5

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 156.827+/-173.575 χ^2/NDF:2.1/3

Left: 111.019+/-117.025 χ^2/NDF: 17.5/9

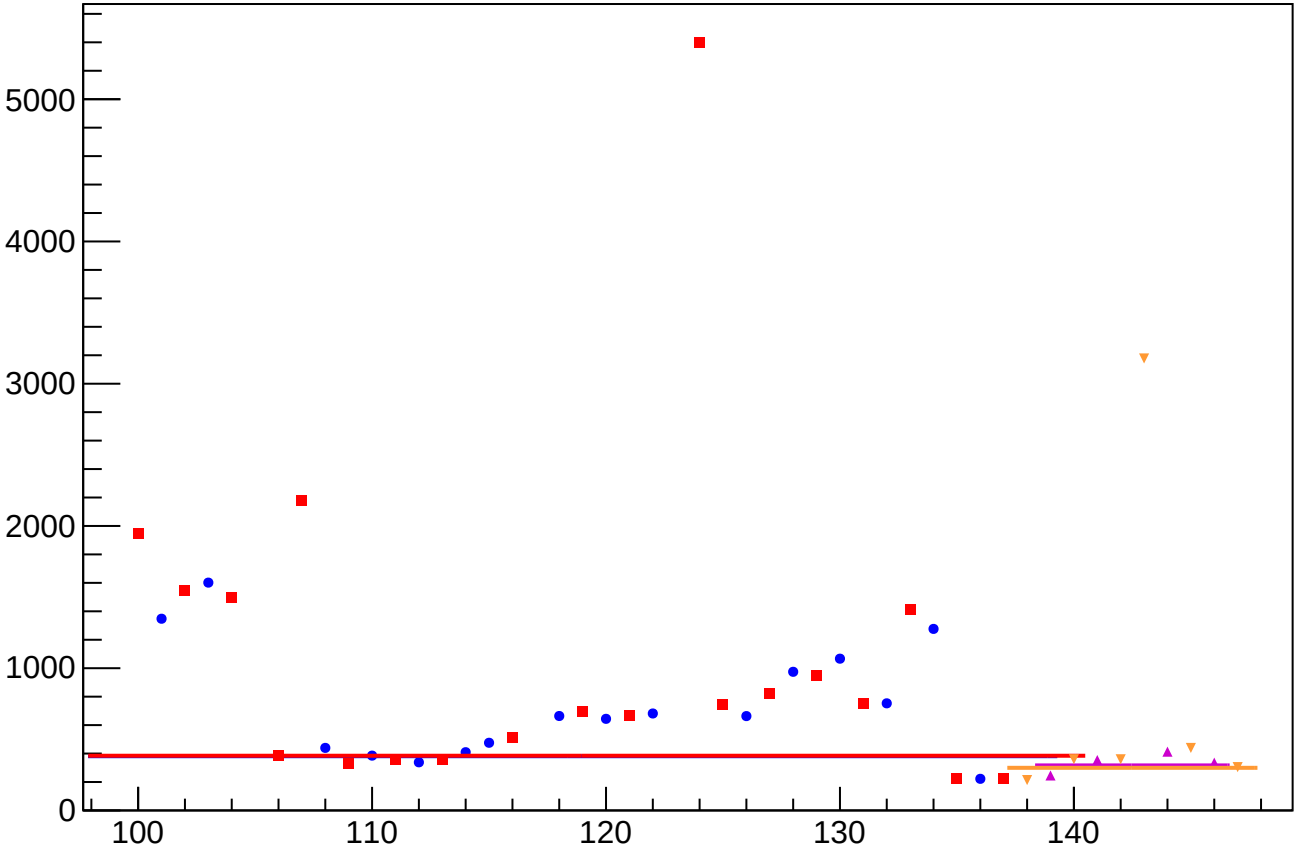
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -104.567+/-121.443 χ^2/NDF:25.0/19

Out: 112.483+/-115.805 χ^2/NDF:31.3/24

All: 9.112+/-83.809 χ^2/NDF: 57.9/44

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: 299.724+/-0.112 χ^2/NDF:1821493.1/5

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 316.624+/-0.123 χ^2/NDF:253434.2/3

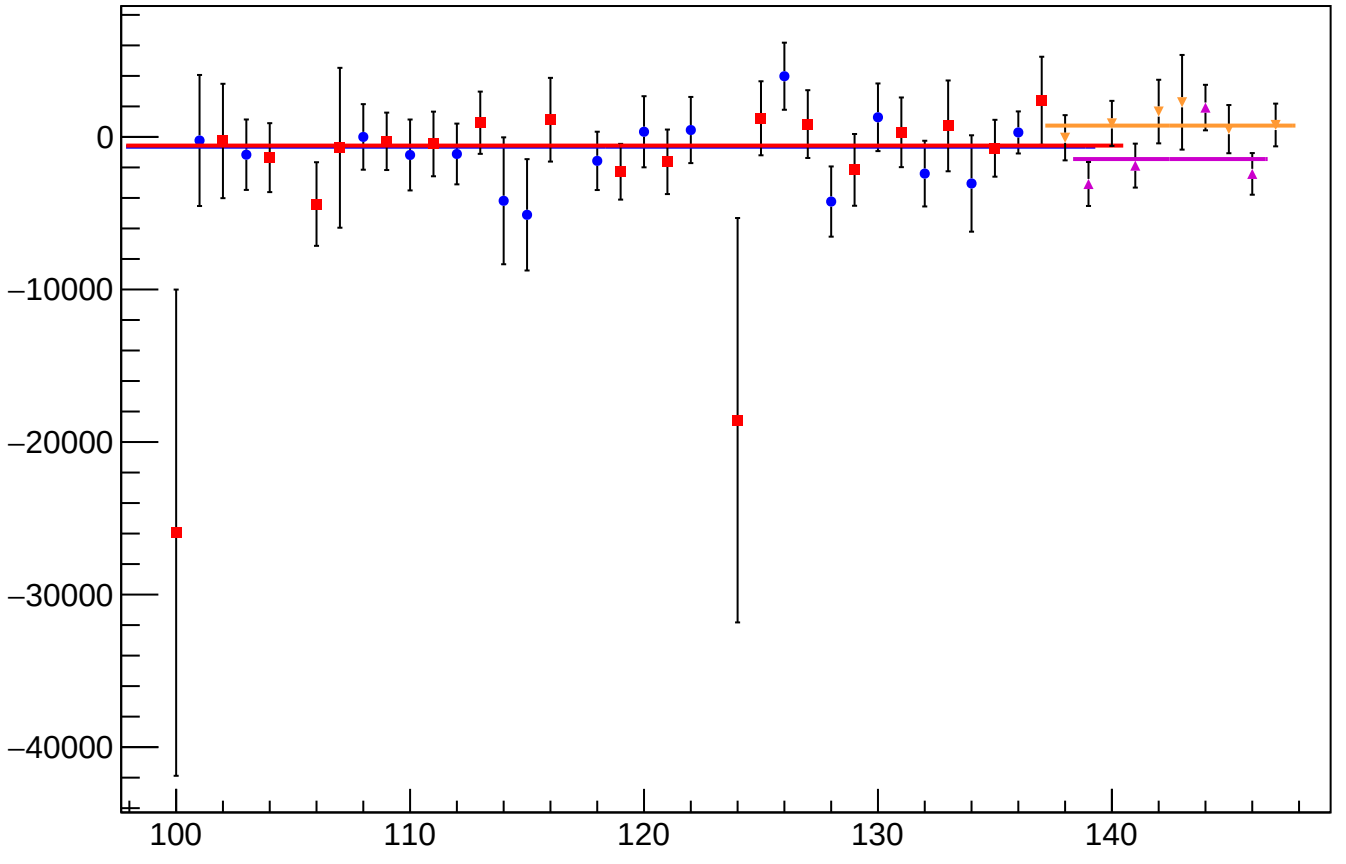
Left: 307.406+/-0.083 χ^2/NDF: 2085269.6/9

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 349.670+/-0.086 χ^2/NDF:4713179.4/19

Out: 339.292+/-0.082 χ^2/NDF:6649265.8/24

All: 344.235+/-0.059 χ^2/NDF: 11370095.0/44



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 743.411+/-680.775 χ^2/NDF:0.8/5

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -1450.037+/-716.396 χ^2/NDF:7.0/3

Left: -297.427+/-493.493 χ^2/NDF: 12.7/9

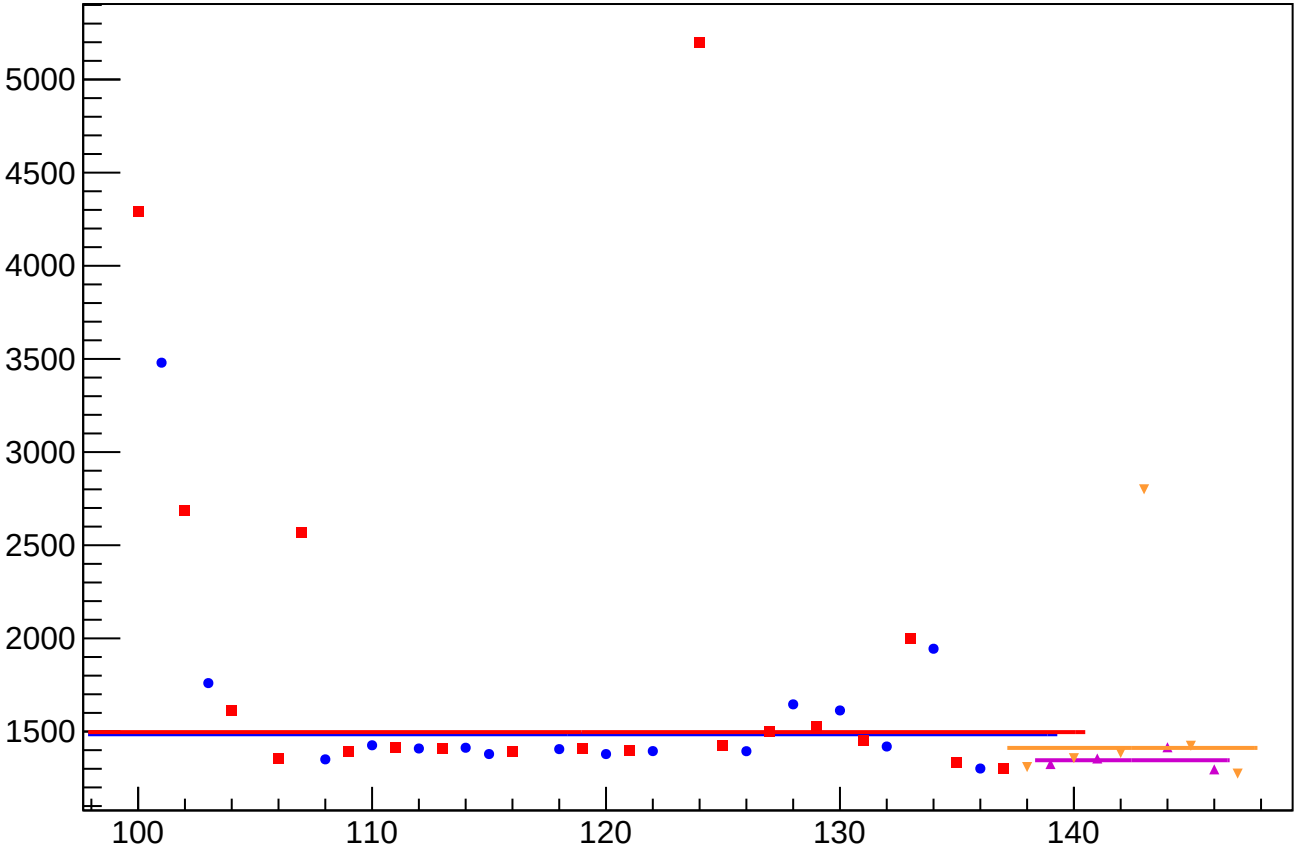
Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -950.709+/-443.325 χ^2/NDF:20.3/19

Out: -30.698+/-435.577 χ^2/NDF:14.3/24

All: -482.594+/-310.703 χ^2/NDF: 36.7/44

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1412.058+/-0.481 χ^2/NDF:432421.5/5

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1345.885+/-0.507 χ^2/NDF:7419.8/3

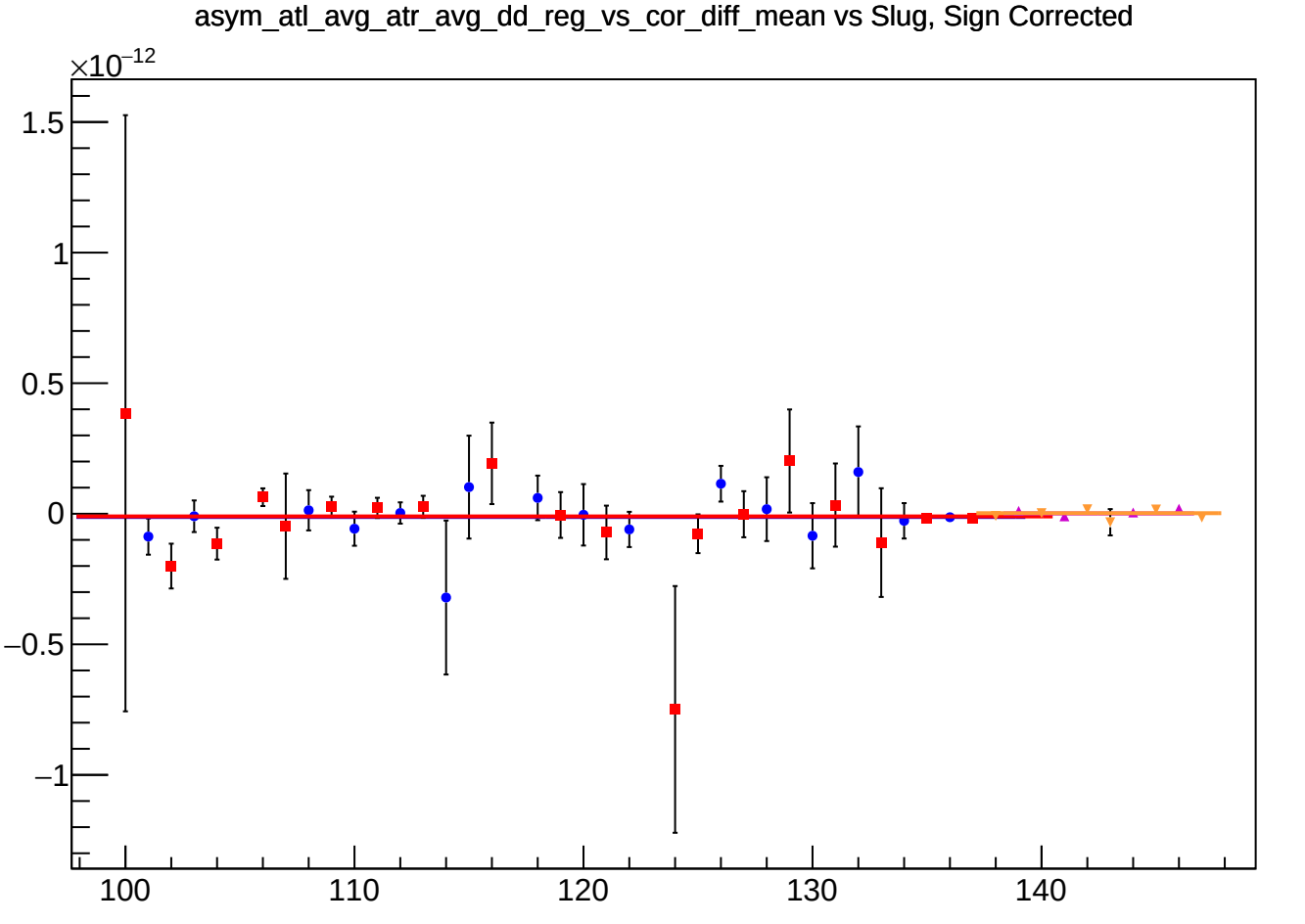
Left: 1380.657+/-0.349 χ^2/NDF: 448808.1/9

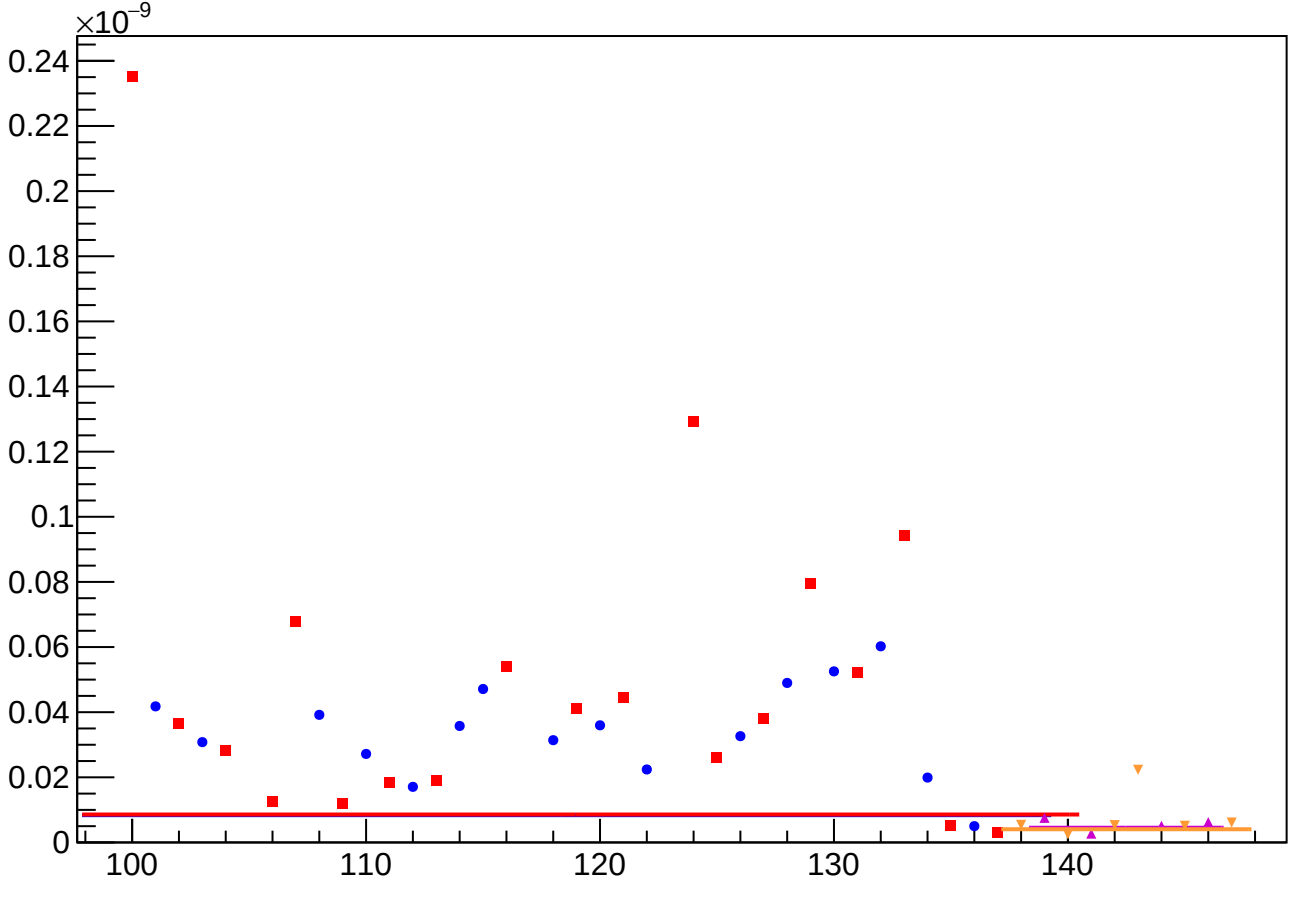
Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1431.955+/-0.313 χ^2/NDF:638674.6/19

Out: 1462.147+/-0.308 χ^2/NDF:1074046.0/24

All: 1447.317+/-0.220 χ^2/NDF: 1717440.6/44


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 9.4/15
Left Out: 0.000+/-0.000 χ²/NDF:8.6/5
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:7.8/3
Left: 0.000+/-0.000 χ²/NDF: 16.4/9
Right: -0.000+/-0.000 χ²/NDF: 31.8/34
In: -0.000+/-0.000 χ²/NDF:19.8/19
Out: 0.000+/-0.000 χ²/NDF:32.9/24
All: -0.000+/-0.000 χ²/NDF: 52.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:641236.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:420445.3/3

Left: 0.000+/-0.000 χ^2/NDF: 1076971.9/9

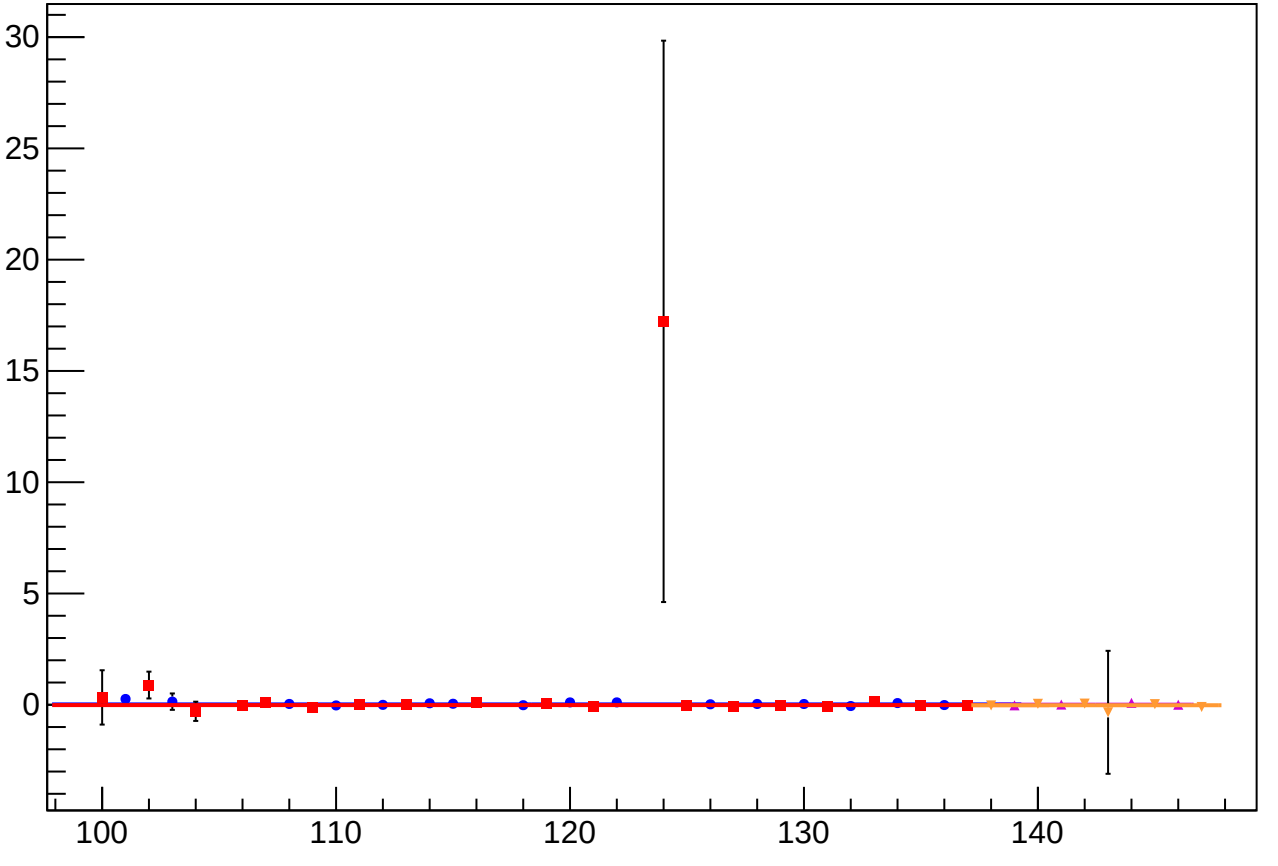
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3899957.6/19

Out: 0.000+/-0.000 χ^2/NDF:4526640.6/24

All: 0.000+/-0.000 χ^2/NDF: 8460948.9/44

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: -0.010+/-0.013 χ^2/NDF: 13.5/9

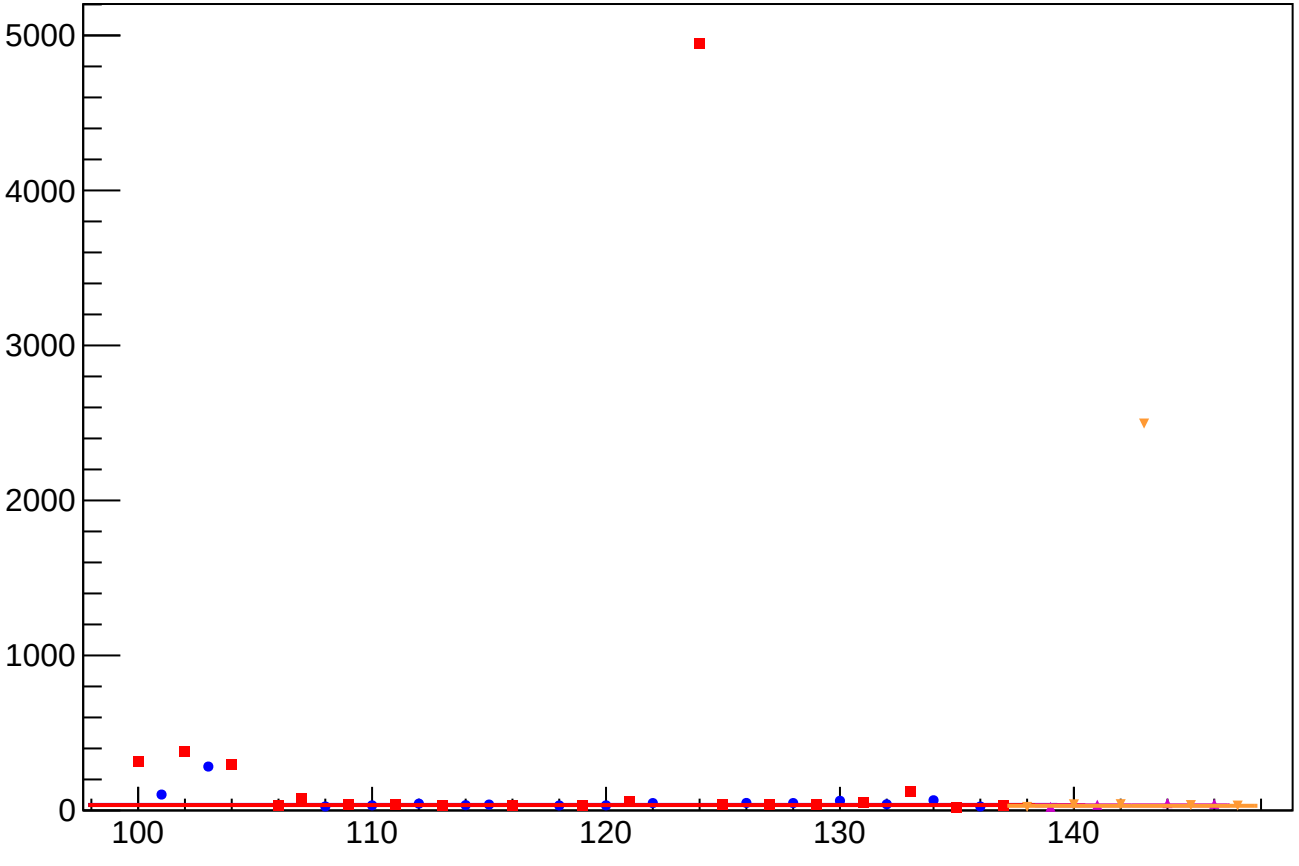
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/44

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: 30.169+/-0.012 χ^2/NDF:1896687.0/5

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

Left: 31.458+/-0.009 χ^2/NDF: 2378582.2/9

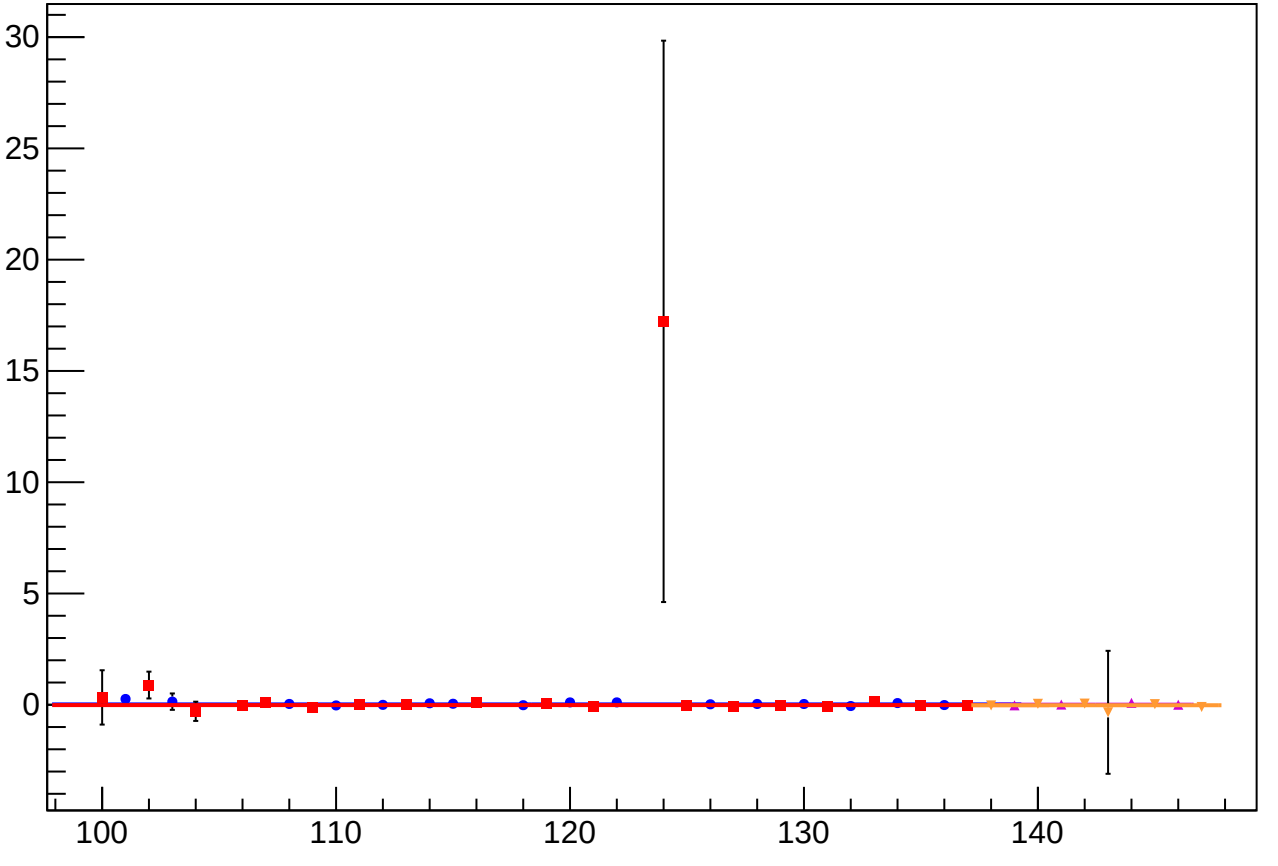
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.779+/-0.009 χ^2/NDF:2742112.0/19

Out: 32.736+/-0.008 χ^2/NDF:4889007.2/24

All: 33.706+/-0.006 χ^2/NDF: 7660437.6/44

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: -0.010+/-0.013 χ^2/NDF: 13.5/9

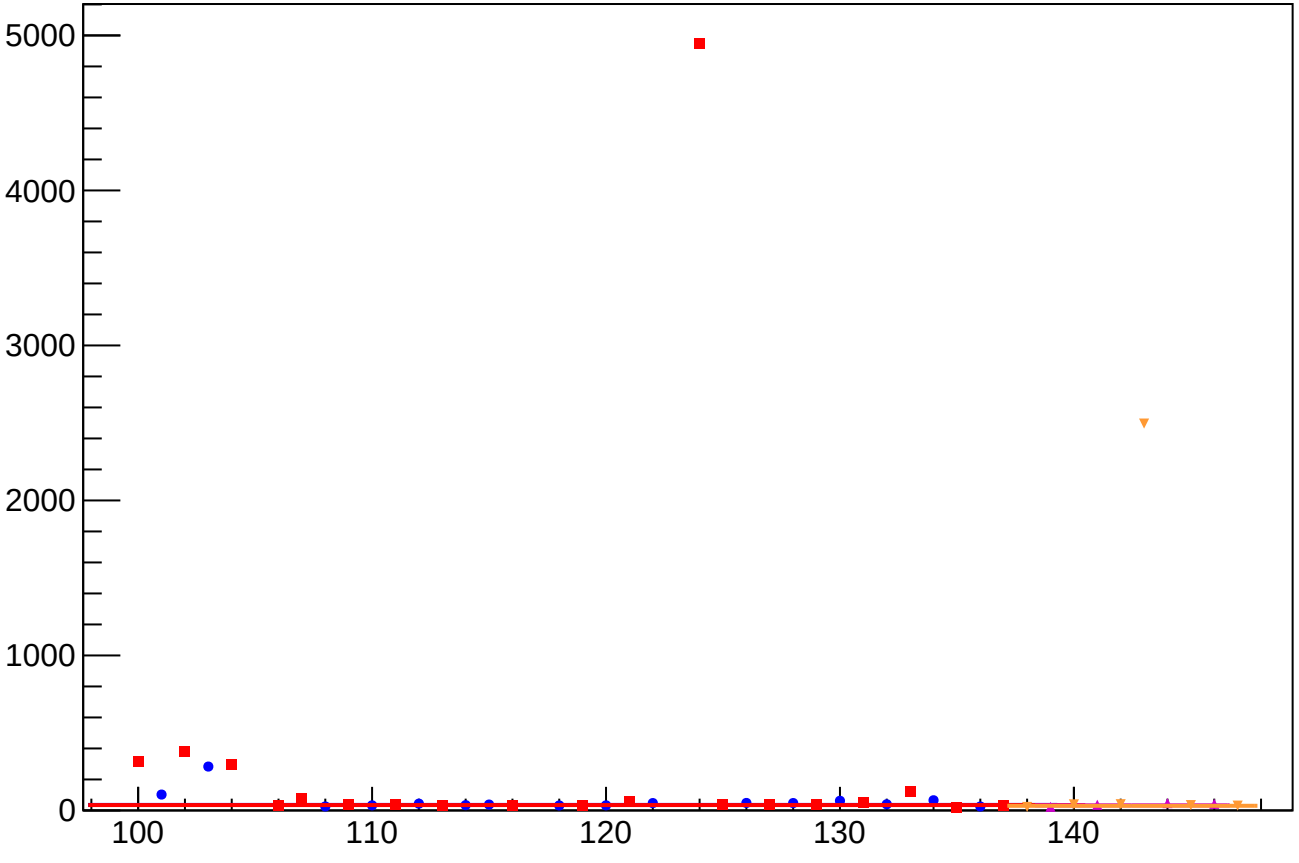
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/44

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: 30.169+/-0.012 χ^2/NDF:1896687.0/5

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

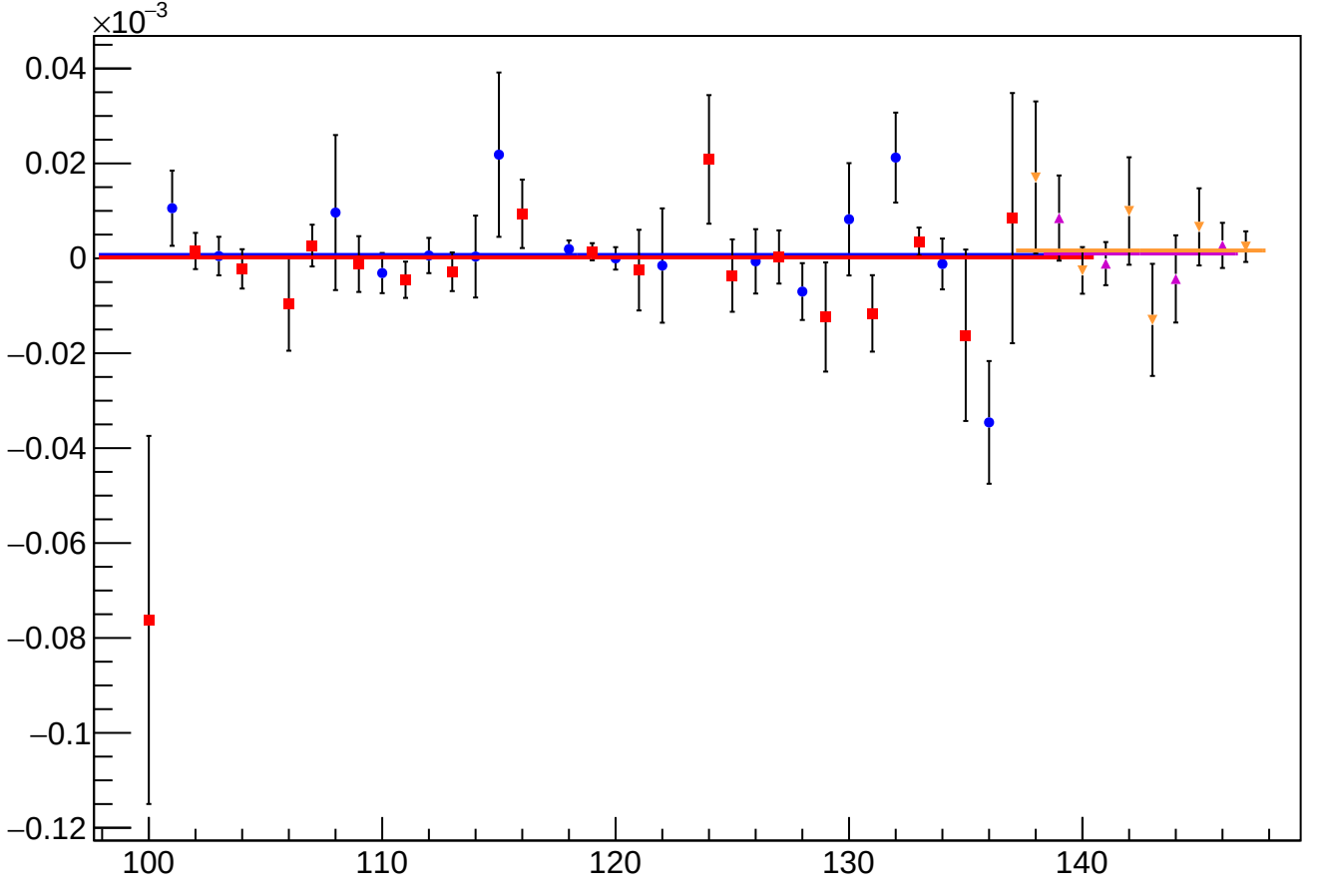
Left: 31.458+/-0.009 χ^2/NDF: 2378582.2/9

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.779+/-0.009 χ^2/NDF:2742112.0/19

Out: 32.736+/-0.008 χ^2/NDF:4889007.2/24

All: 33.706+/-0.006 χ^2/NDF: 7660437.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

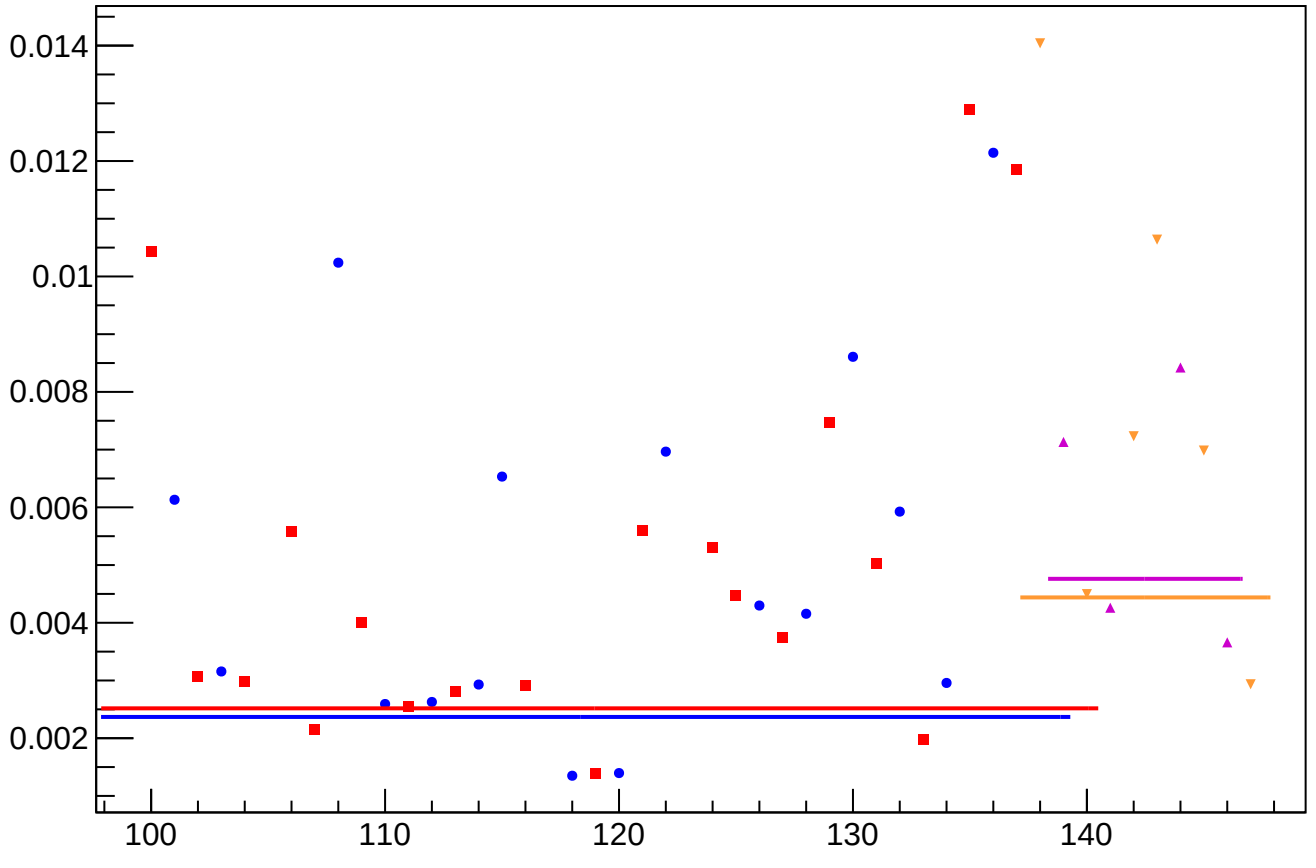
Left: 0.000+/-0.000 χ^2/NDF: 5.6/9

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:20.5/19

Out: 0.000+/-0.000 χ^2/NDF:22.5/24

All: 0.000+/-0.000 χ^2/NDF: 43.1/44



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2020856.7/5

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:588503.3/3

Left: 0.005+/-0.000 χ^2/NDF: 2623776.7/9

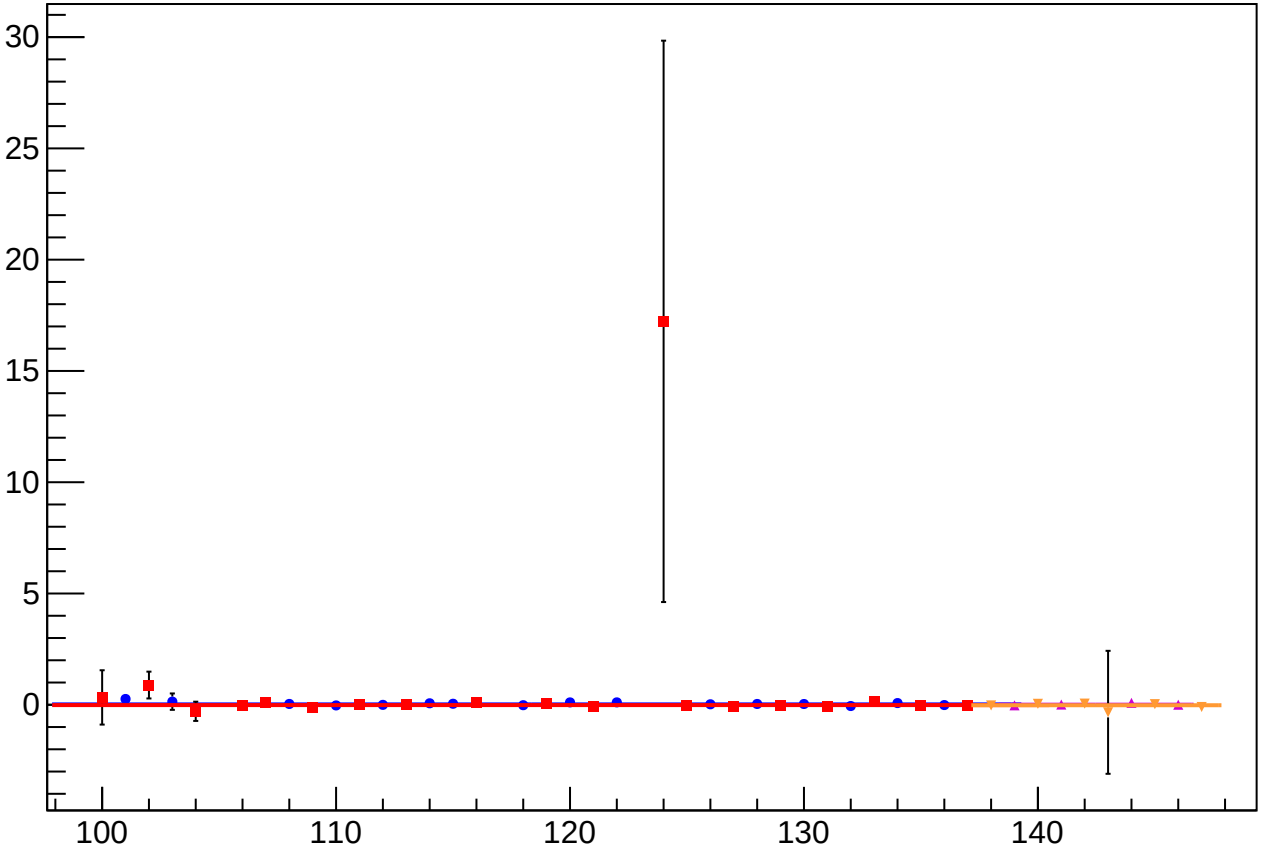
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6480979.3/19

Out: 0.003+/-0.000 χ^2/NDF:6478256.3/24

All: 0.003+/-0.000 χ^2/NDF: 12985247.6/44

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: -0.010+/-0.013 χ^2/NDF: 13.5/9

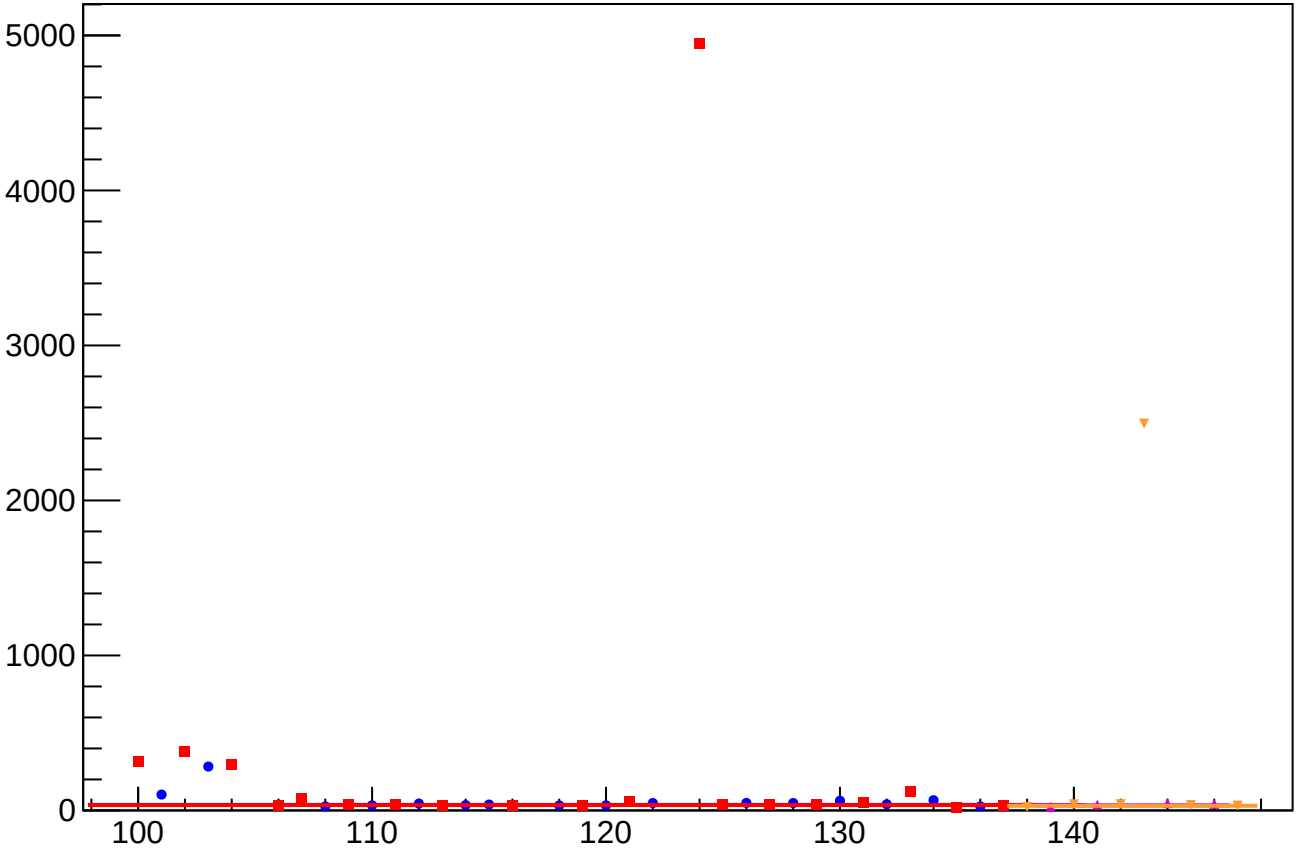
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/44

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: 30.169+/-0.012 χ^2/NDF:1896888.6/5

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

Left: 31.457+/-0.009 χ^2/NDF: 2379052.9/9

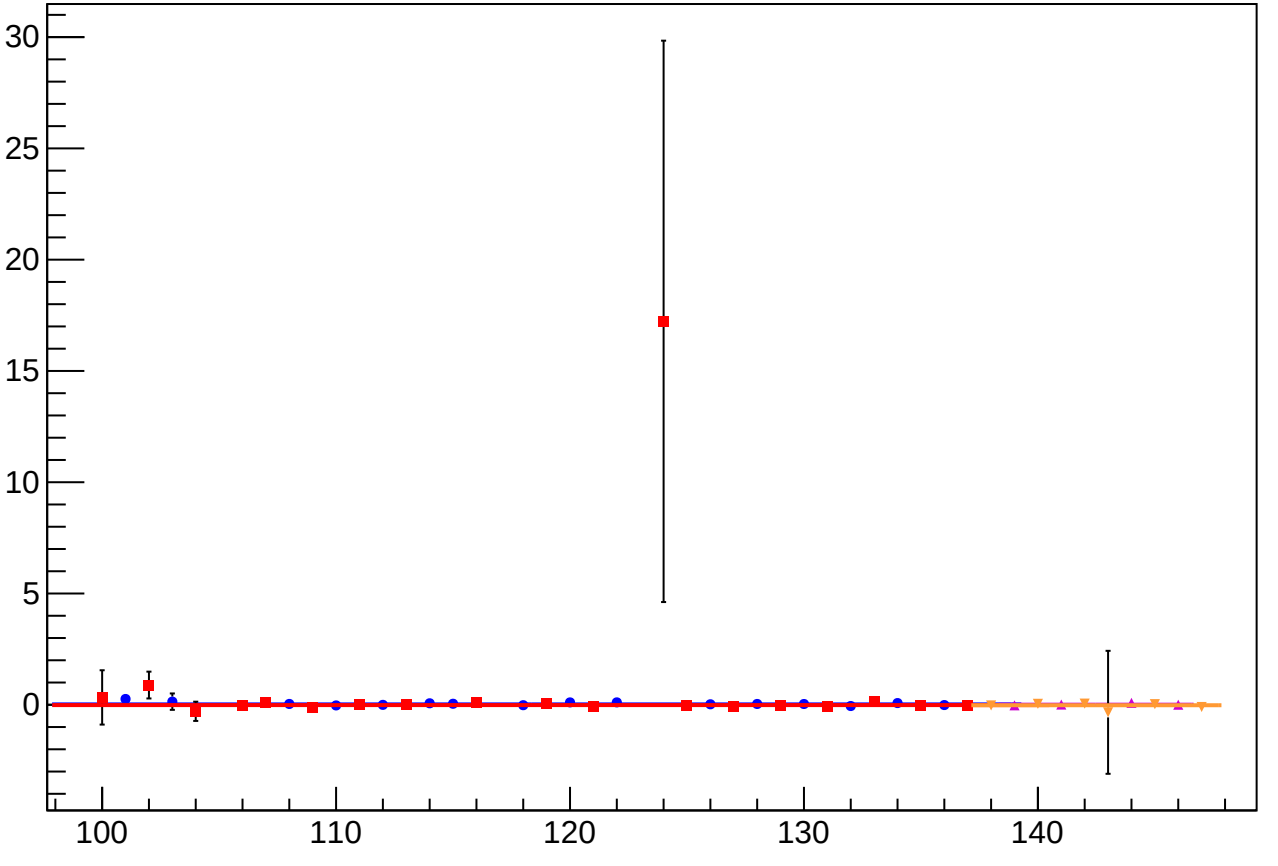
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.779+/-0.009 χ^2/NDF:2742257.4/19

Out: 32.736+/-0.008 χ^2/NDF:4889059.0/24

All: 33.706+/-0.006 χ^2/NDF: 7660601.8/44

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: -0.010+/-0.013 χ^2/NDF: 13.5/9

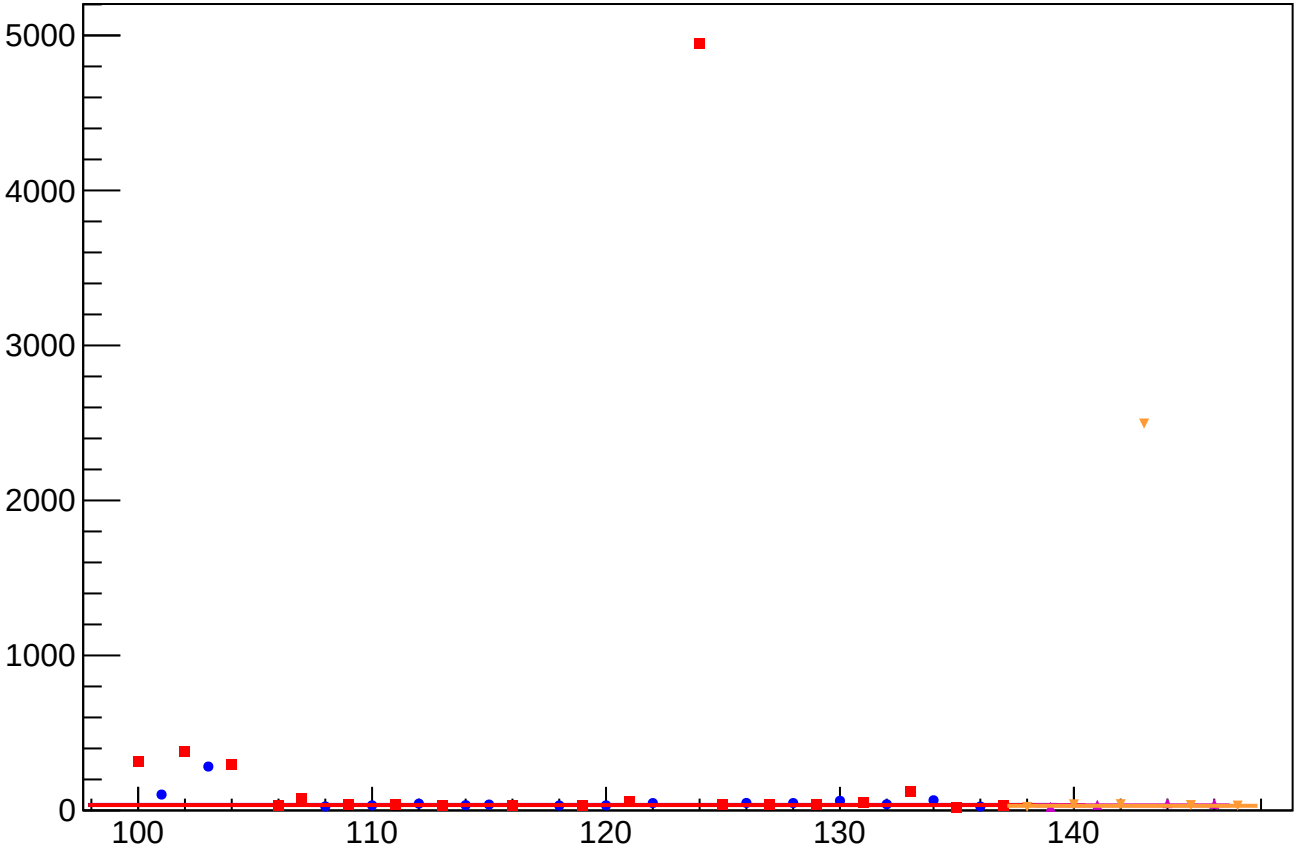
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/44

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: 30.169+/-0.012 χ^2/NDF:1896888.6/5

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

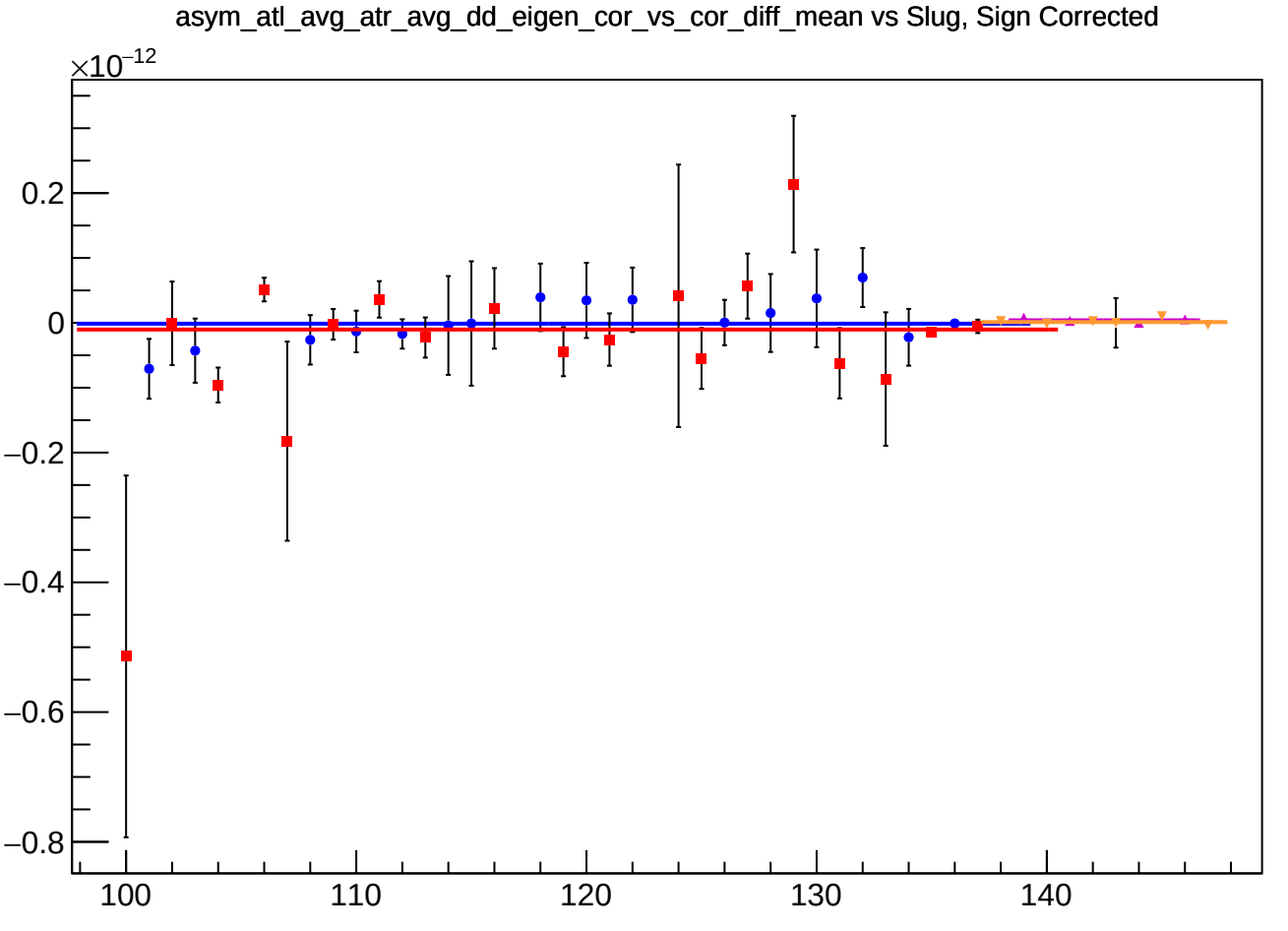
Left: 31.457+/-0.009 χ^2/NDF: 2379052.9/9

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.779+/-0.009 χ^2/NDF:2742257.4/19

Out: 32.736+/-0.008 χ^2/NDF:4889059.0/24

All: 33.706+/-0.006 χ^2/NDF: 7660601.8/44



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

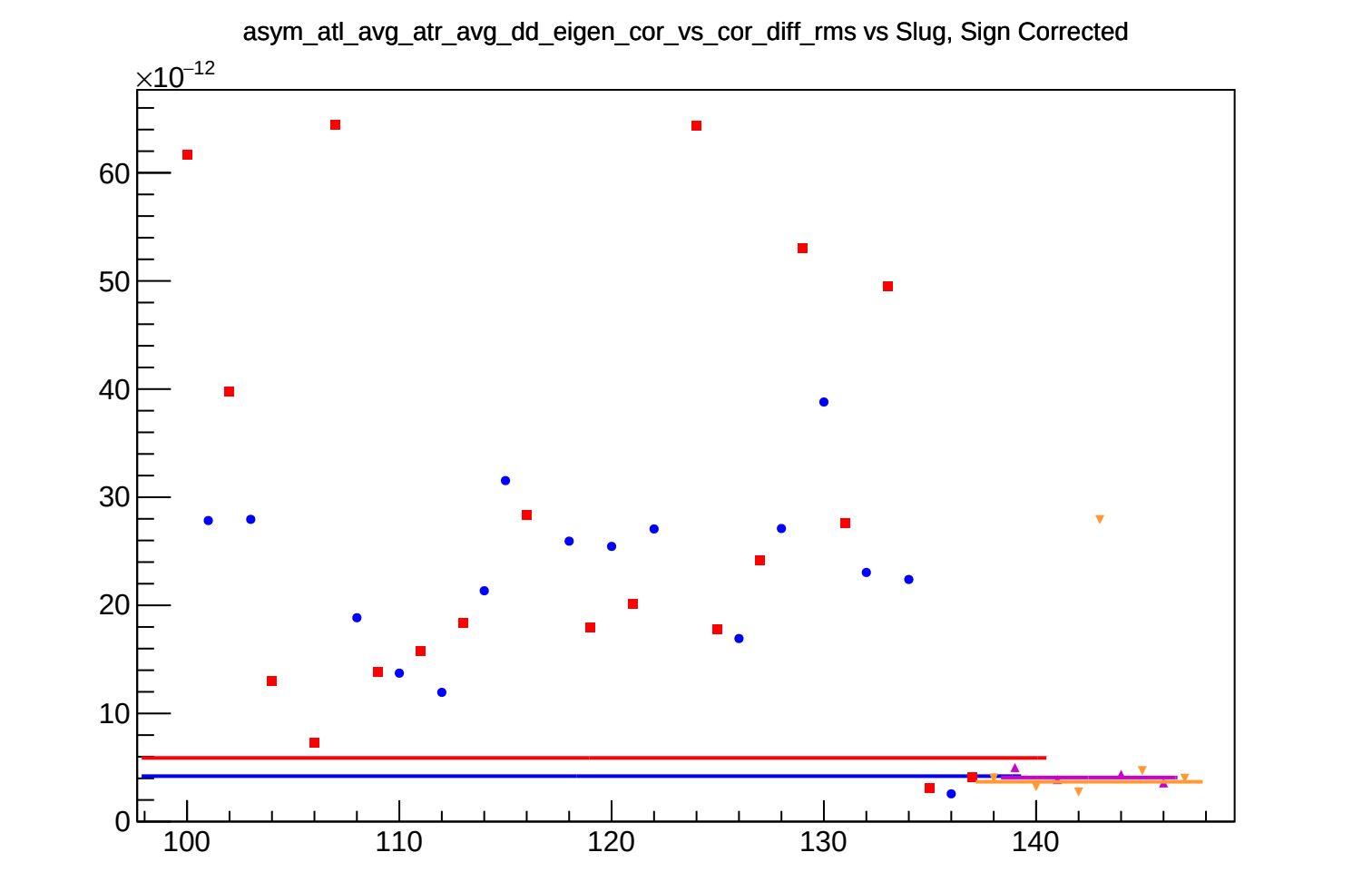
Left: 0.000+/-0.000 χ^2/NDF: 4.9/9

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:11.1/19

Out: -0.000+/-0.000 χ^2/NDF:48.9/24

All: 0.000+/-0.000 χ^2/NDF: 61.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:966841.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:68650.8/3

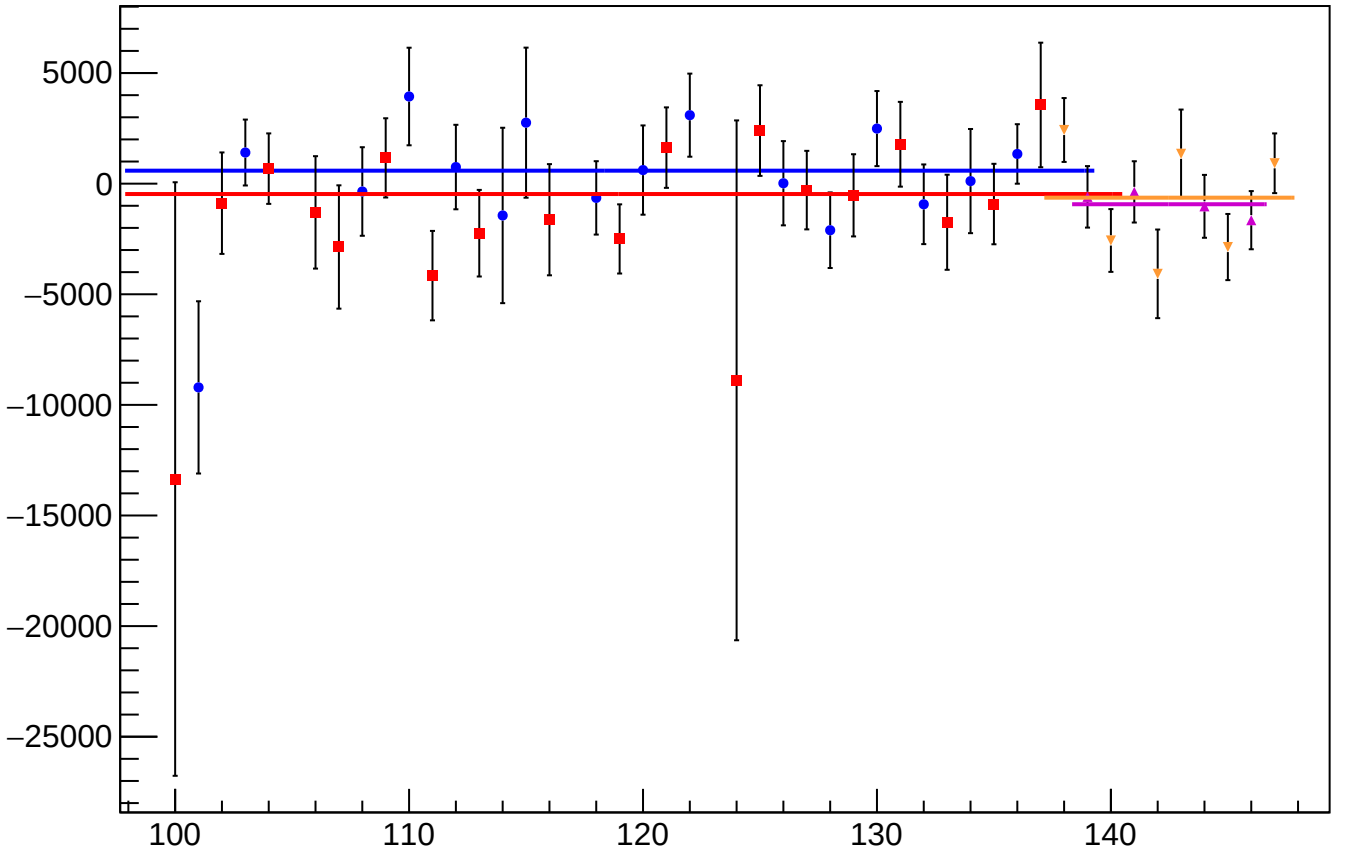
Left: 0.000+/-0.000 χ^2/NDF: 1060890.0/9

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5150624.5/19

Out: 0.000+/-0.000 χ^2/NDF:6257989.4/24

All: 0.000+/-0.000 χ^2/NDF: 11409634.2/44



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.775+/-636.101 χ^2/NDF:13.8/5

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -930.335+/-688.021 χ^2/NDF:0.5/3

Left: -770.444+/-467.069 χ^2/NDF: 14.5/9

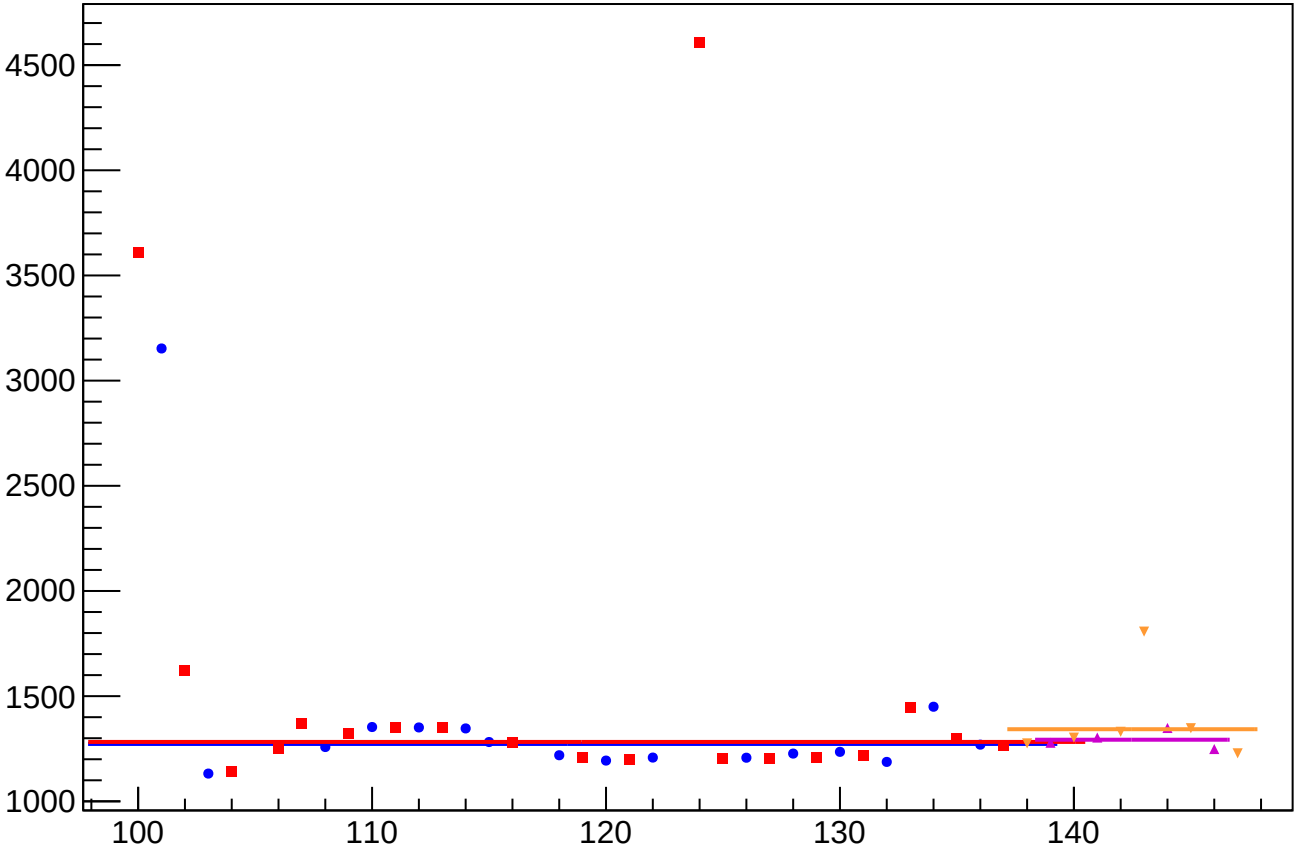
Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 86.828+/-395.004 χ^2/NDF:20.9/19

Out: -528.873+/-383.415 χ^2/NDF:30.7/24

All: -230.187+/-275.121 χ^2/NDF: 52.8/44

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: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

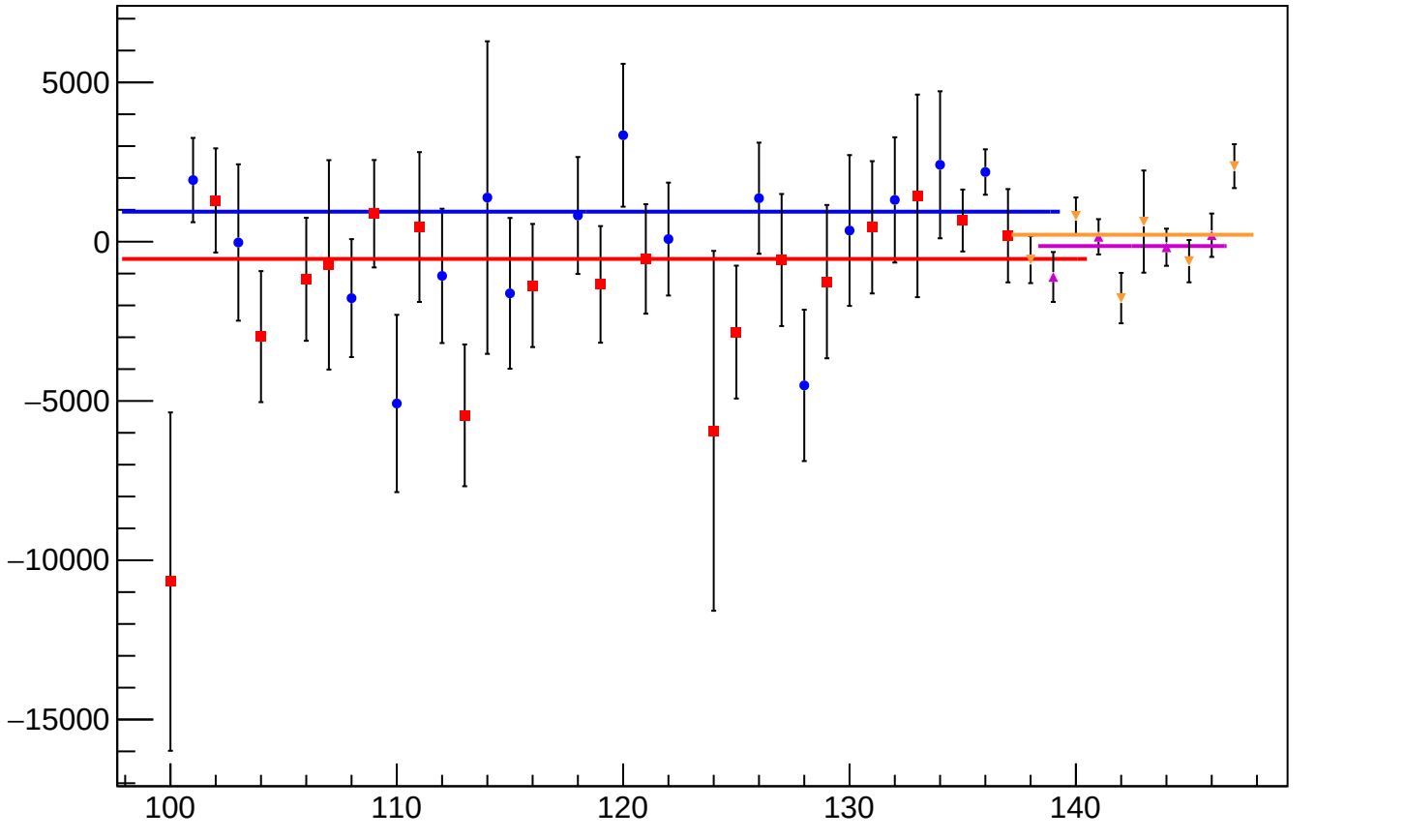
Left: 1319.798+/-0.330 χ^2/NDF: 139458.0/9

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1279.421+/-0.279 χ^2/NDF:526110.6/19

Out: 1304.324+/-0.271 χ^2/NDF:461684.1/24

All: 1292.243+/-0.195 χ^2/NDF: 991887.8/44



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 217.403+/-298.713 χ^2/NDF:19.9/5

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -138.037+/-316.509 χ^2/NDF:2.1/3

Left: 49.956+/-217.241 χ^2/NDF: 22.6/9

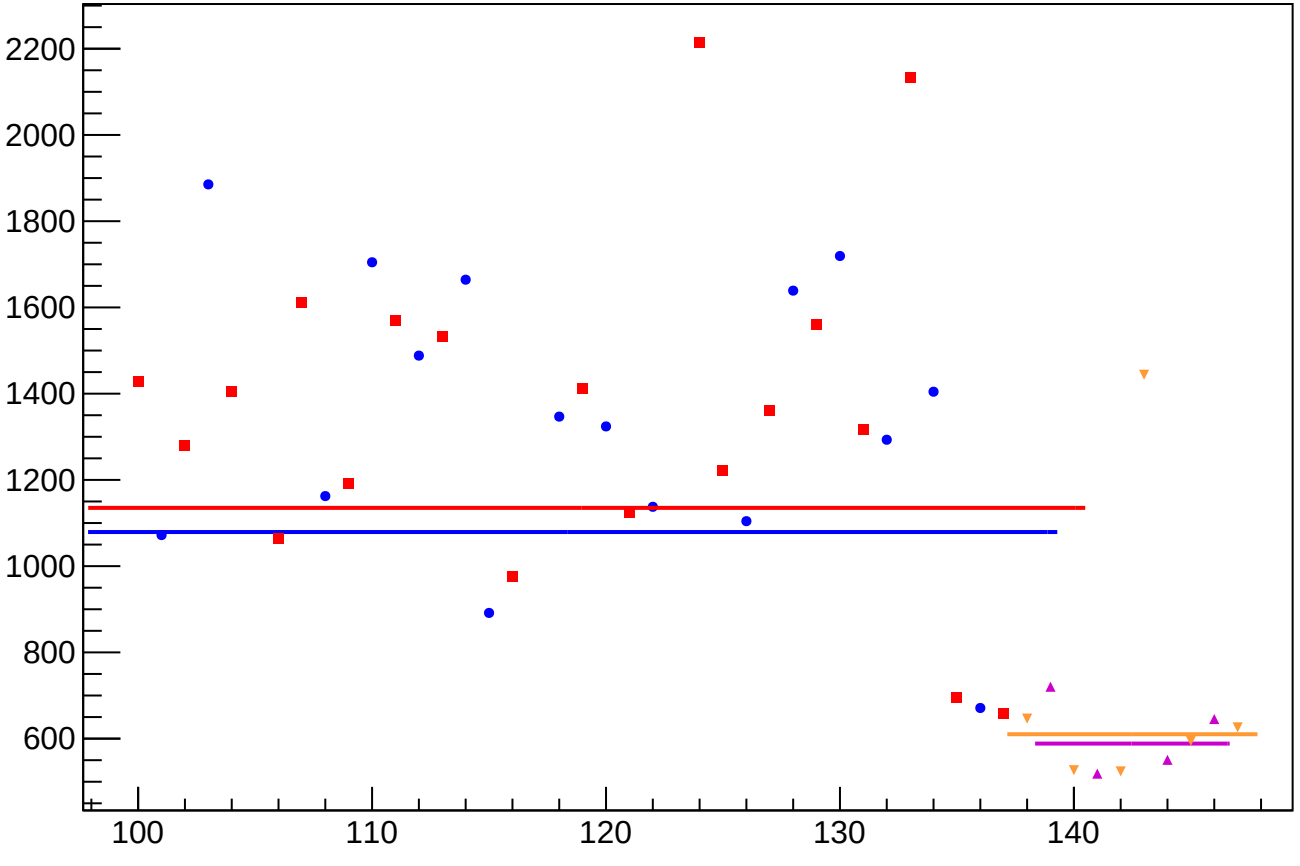
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 246.212+/-254.026 χ^2/NDF:26.1/19

Out: -21.816+/-247.124 χ^2/NDF:39.1/24

All: 108.507+/-177.133 χ^2/NDF: 65.8/44

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: 610.220+/-0.211 χ^2/NDF:613203.9/5

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 588.492+/-0.224 χ^2/NDF:110559.1/3

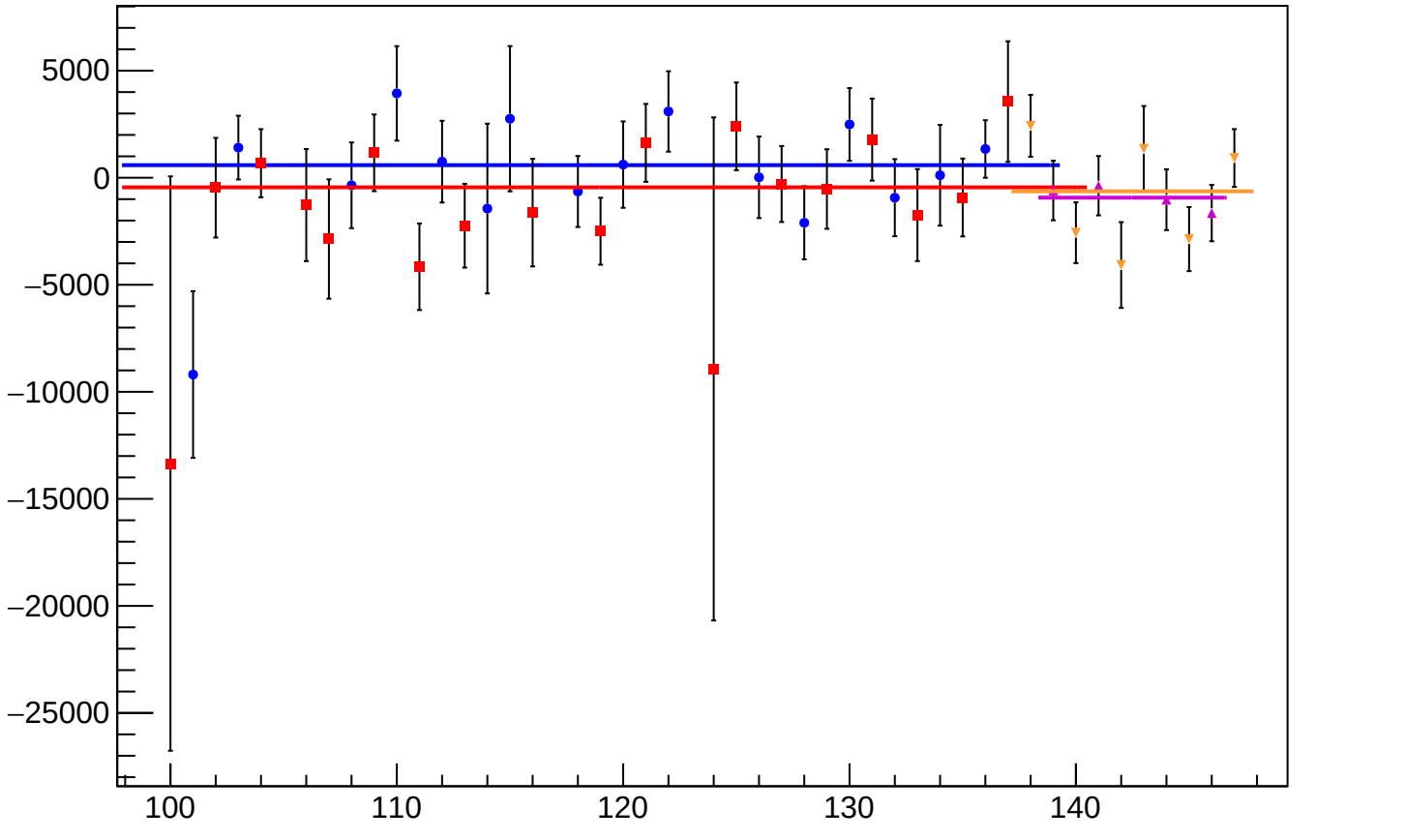
Left: 599.984+/-0.154 χ^2/NDF: 728747.9/9

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 763.083+/-0.180 χ^2/NDF:3302933.2/19

Out: 775.882+/-0.175 χ^2/NDF:3855476.7/24

All: 769.659+/-0.125 χ^2/NDF: 7161018.2/44



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -930.296+/-688.021 χ^2/NDF:0.5/3

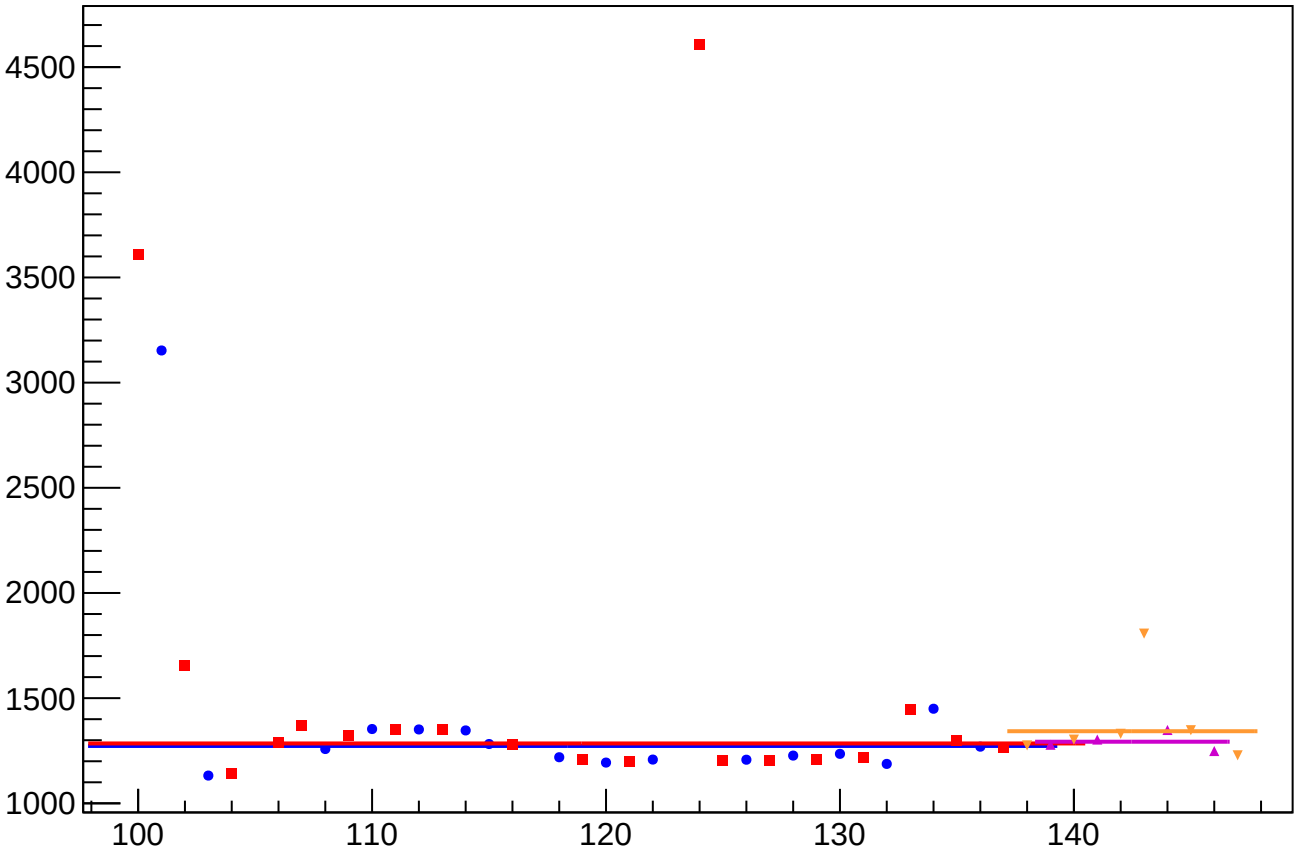
Left: -770.505+/-467.069 χ^2/NDF: 14.5/9

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 87.055+/-395.004 χ^2/NDF:20.8/19

Out: -515.956+/-383.830 χ^2/NDF:30.7/24

All: -223.100+/-275.274 χ^2/NDF: 52.7/44



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

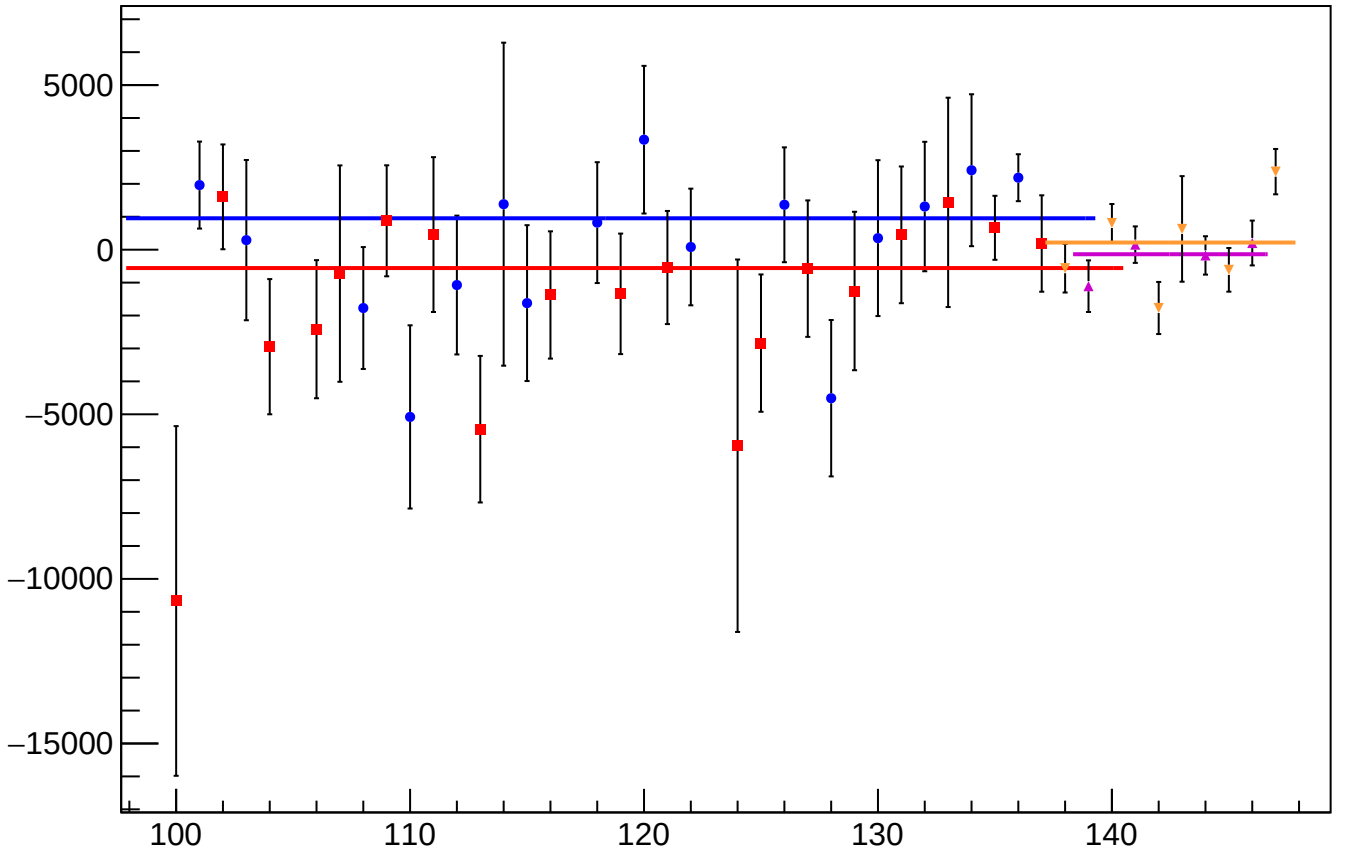
Left: 1319.798+/-0.330 χ^2/NDF: 139458.0/9

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1279.421+/-0.279 χ^2/NDF:526112.0/19

Out: 1305.828+/-0.271 χ^2/NDF:467472.9/24

All: 1293.003+/-0.195 χ^2/NDF: 998182.3/44



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -138.093+/-316.505 χ^2/NDF:2.1/3

Left: 49.934+/-217.242 χ^2/NDF: 22.6/9

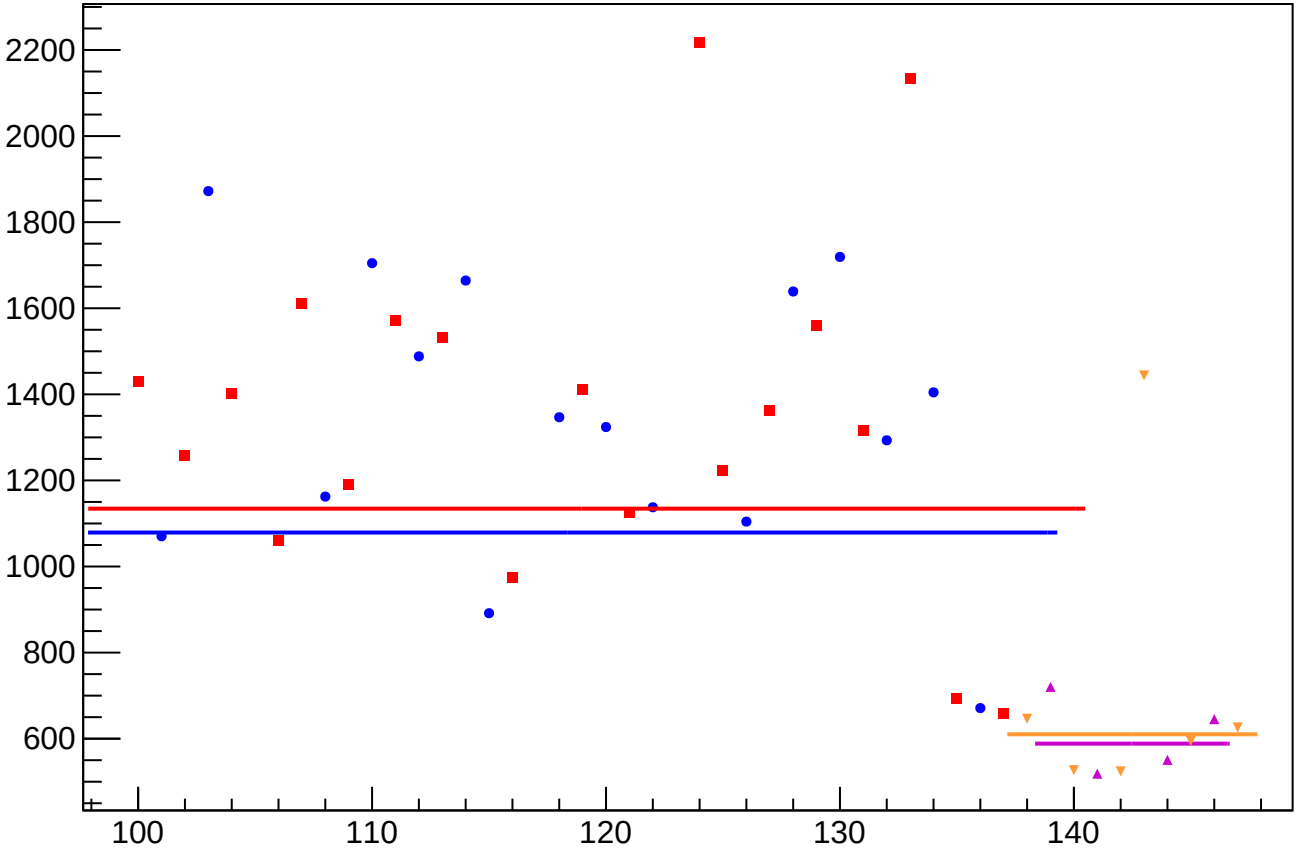
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 250.785+/-253.987 χ^2/NDF:26.2/19

Out: -26.625+/-247.278 χ^2/NDF:40.4/24

All: 108.368+/-177.176 χ^2/NDF: 67.2/44

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: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

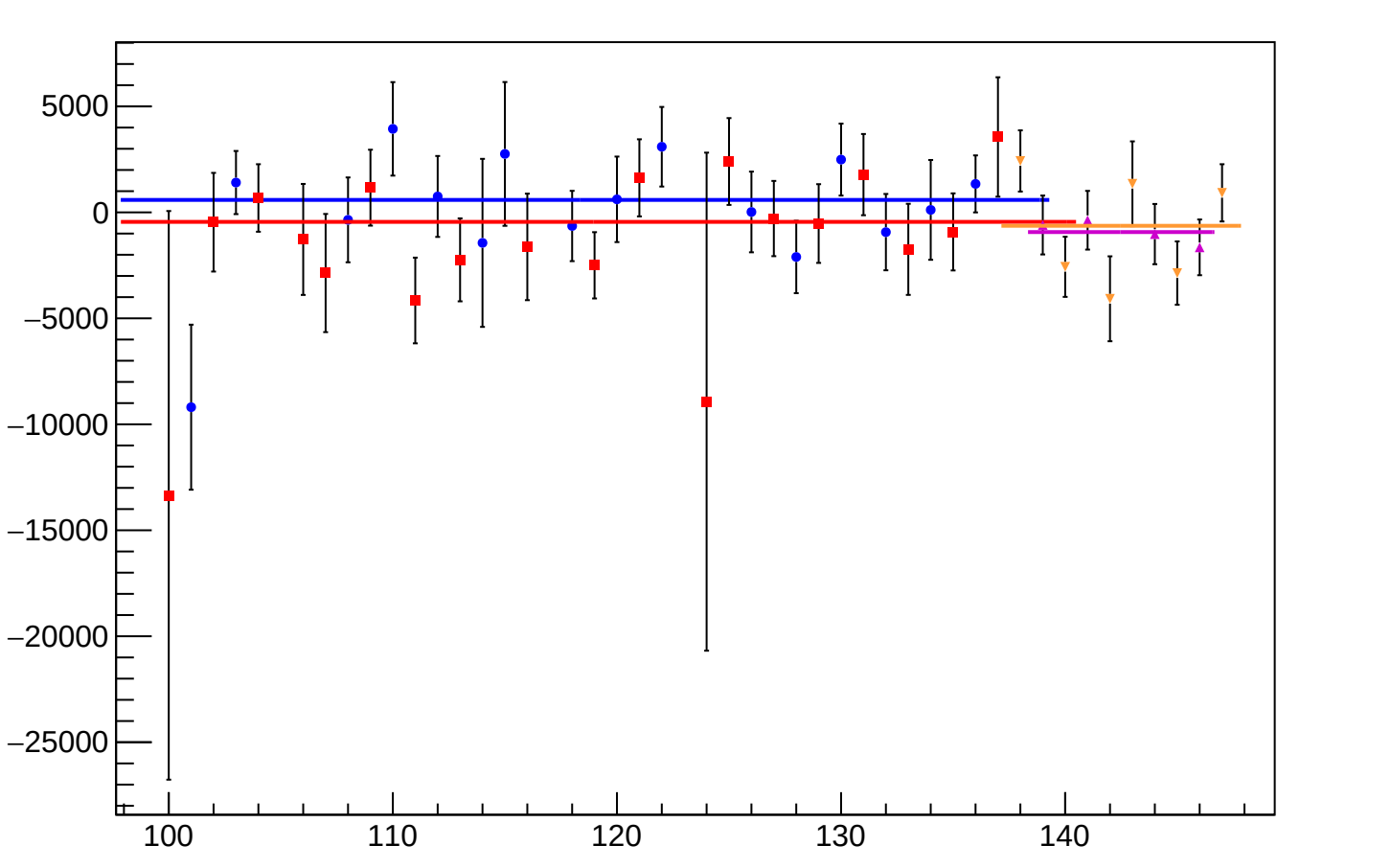
Left: 599.988+/-0.154 χ^2/NDF: 728722.9/9

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 763.102+/-0.180 χ^2/NDF:3299111.8/19

Out: 775.227+/-0.175 χ^2/NDF:3840519.7/24

All: 769.327+/-0.125 χ^2/NDF: 7141971.2/44



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -930.296+/-688.021 χ^2/NDF:0.5/3

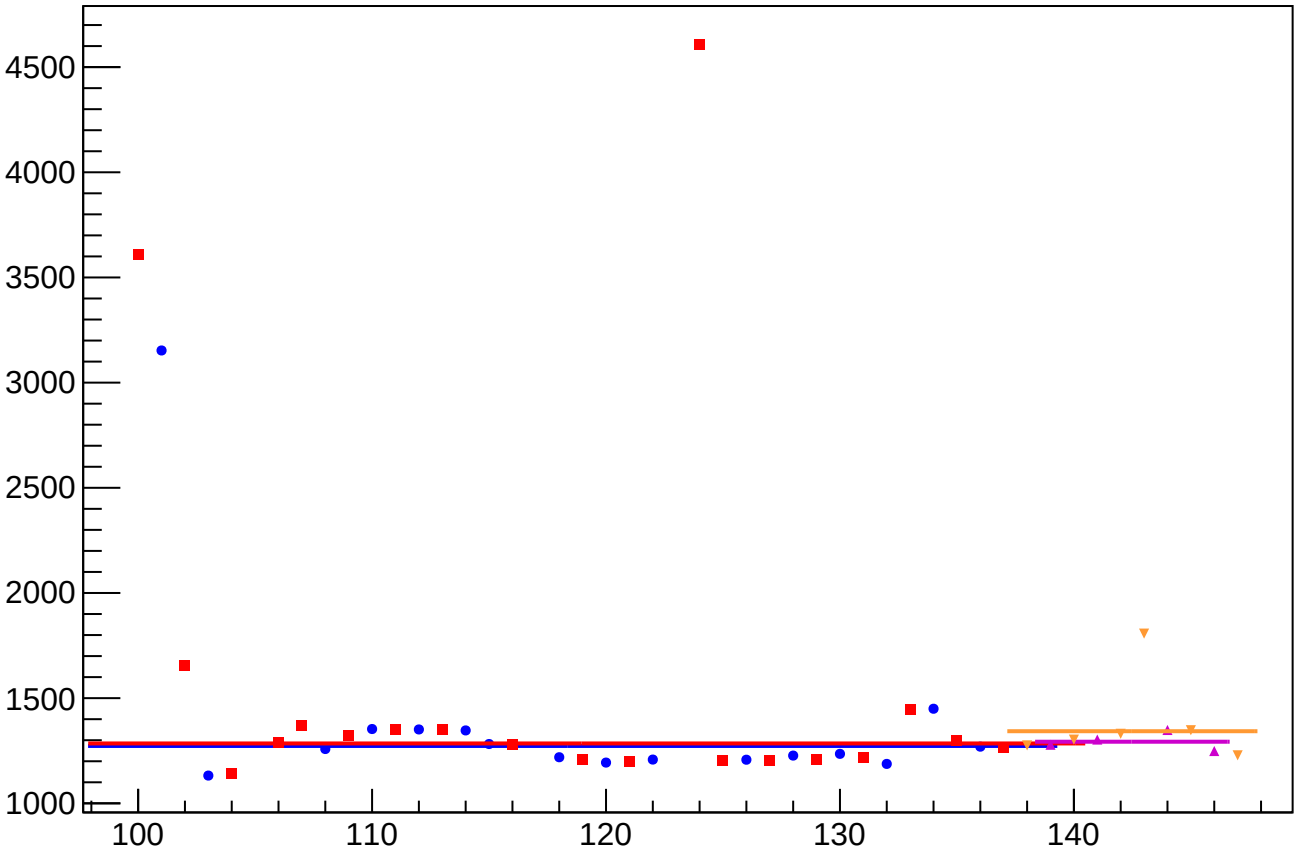
Left: -770.505+/-467.069 χ^2/NDF: 14.5/9

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 87.055+/-395.004 χ^2/NDF:20.8/19

Out: -515.956+/-383.830 χ^2/NDF:30.7/24

All: -223.100+/-275.274 χ^2/NDF: 52.7/44



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

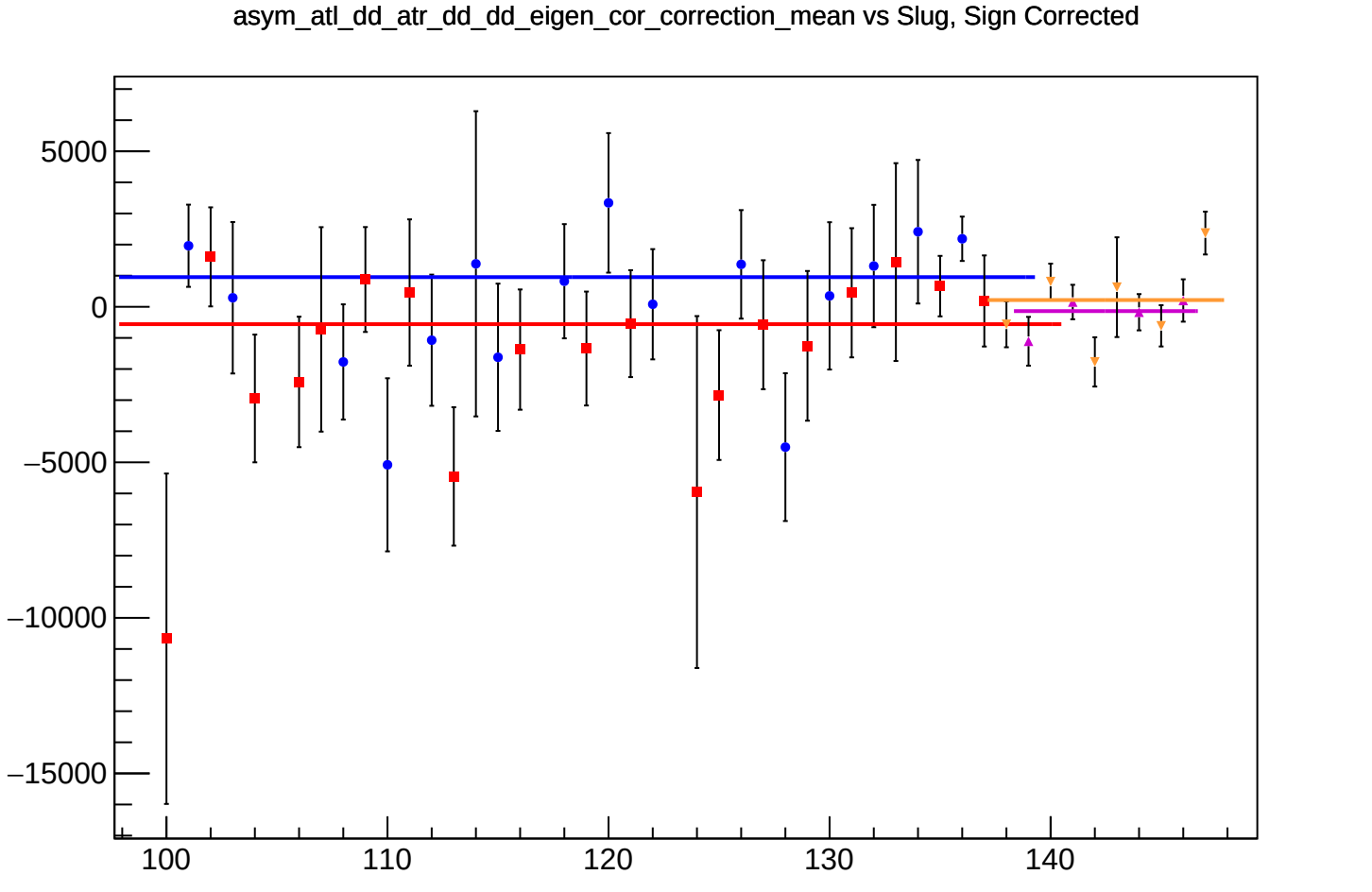
Left: 1319.798+/-0.330 χ^2/NDF: 139458.0/9

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1279.421+/-0.279 χ^2/NDF:526112.0/19

Out: 1305.828+/-0.271 χ^2/NDF:467472.9/24

All: 1293.003+/-0.195 χ^2/NDF: 998182.3/44



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -138.093+/-316.505 χ^2/NDF:2.1/3

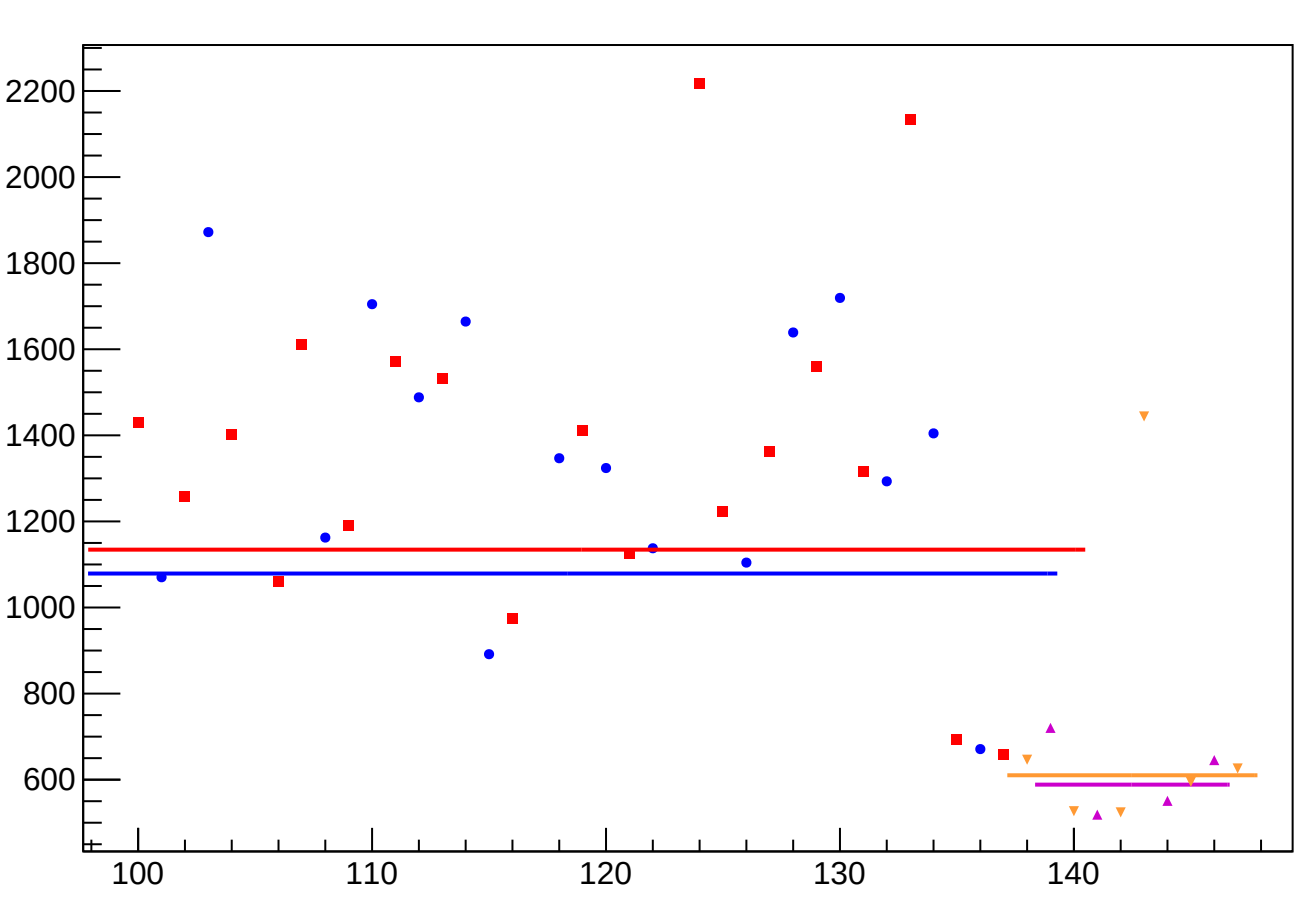
Left: 49.934+/-217.242 χ^2/NDF: 22.6/9

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 250.785+/-253.987 χ^2/NDF:26.2/19

Out: -26.625+/-247.278 χ^2/NDF:40.4/24

All: 108.368+/-177.176 χ^2/NDF: 67.2/44



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

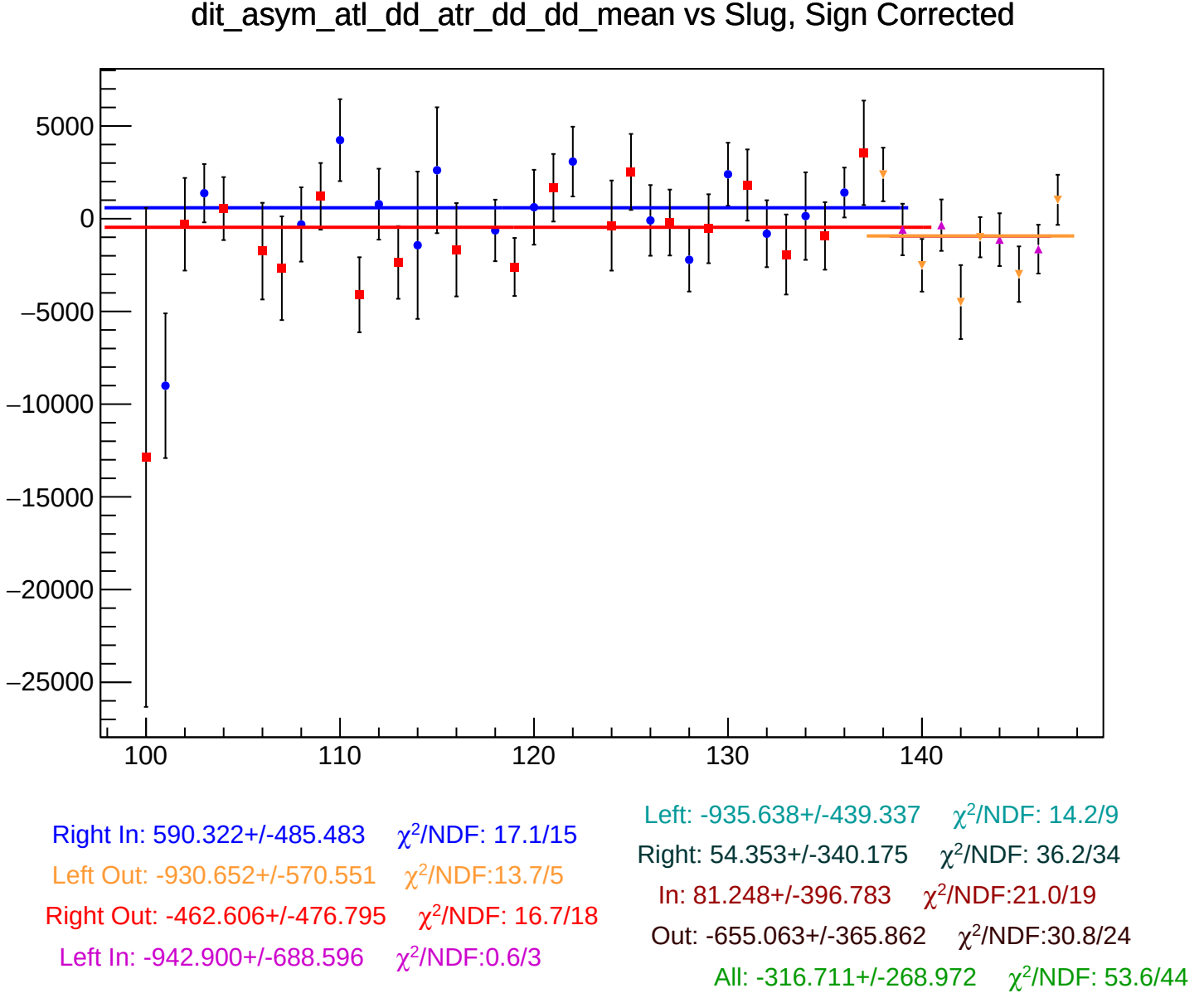
Left: 599.988+/-0.154 χ^2/NDF: 728722.9/9

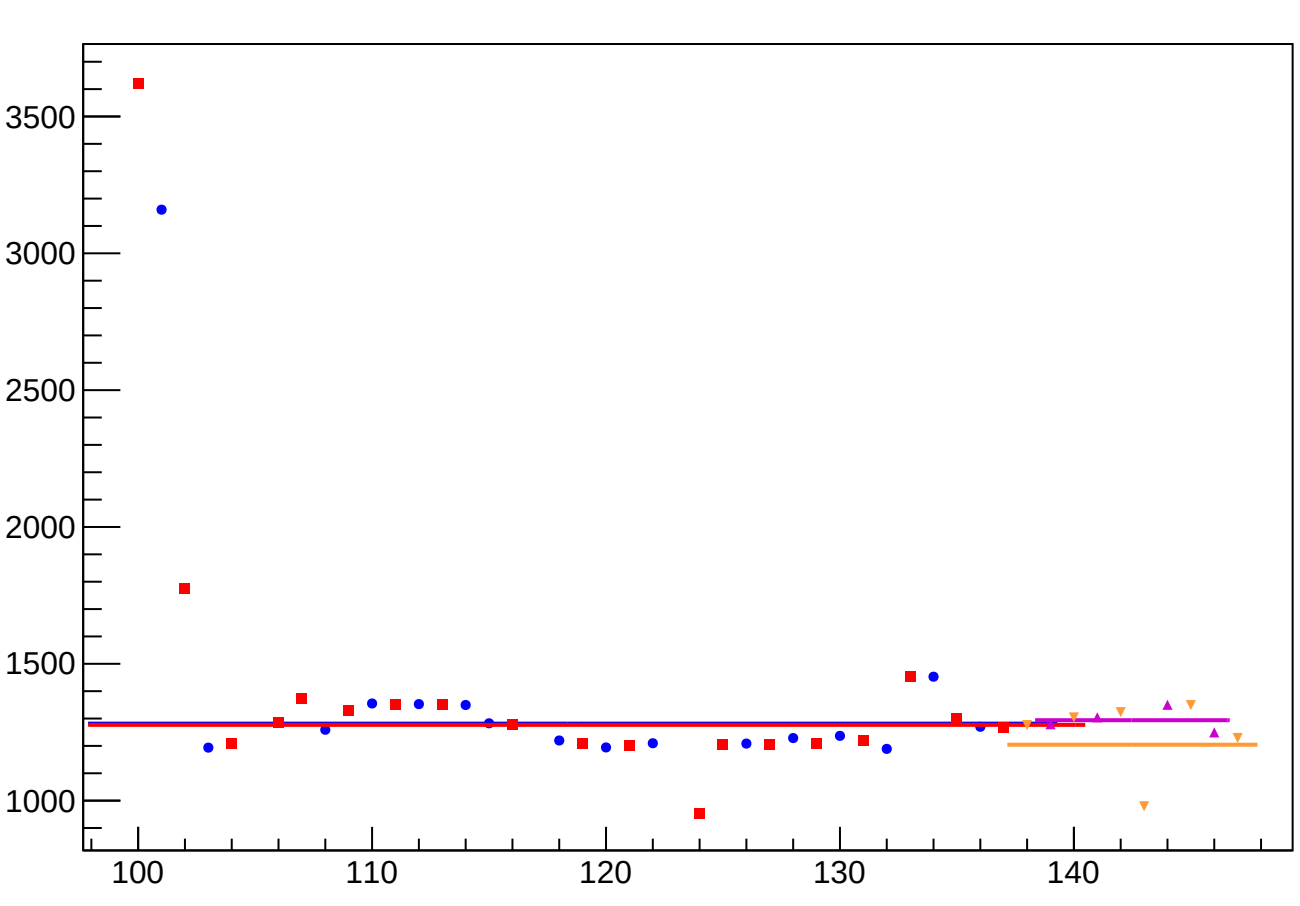
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 763.102+/-0.180 χ^2/NDF:3299111.8/19

Out: 775.227+/-0.175 χ^2/NDF:3840519.7/24

All: 769.327+/-0.125 χ^2/NDF: 7141971.2/44


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -930.652+/-570.551 χ²/NDF:13.7/5
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -942.900+/-688.596 χ²/NDF:0.6/3
Left: -935.638+/-439.337 χ²/NDF: 14.2/9
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 81.248+/-396.783 χ²/NDF:21.0/19
Out: -655.063+/-365.862 χ²/NDF:30.8/24
All: -316.711+/-268.972 χ²/NDF: 53.6/44



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.7/5

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

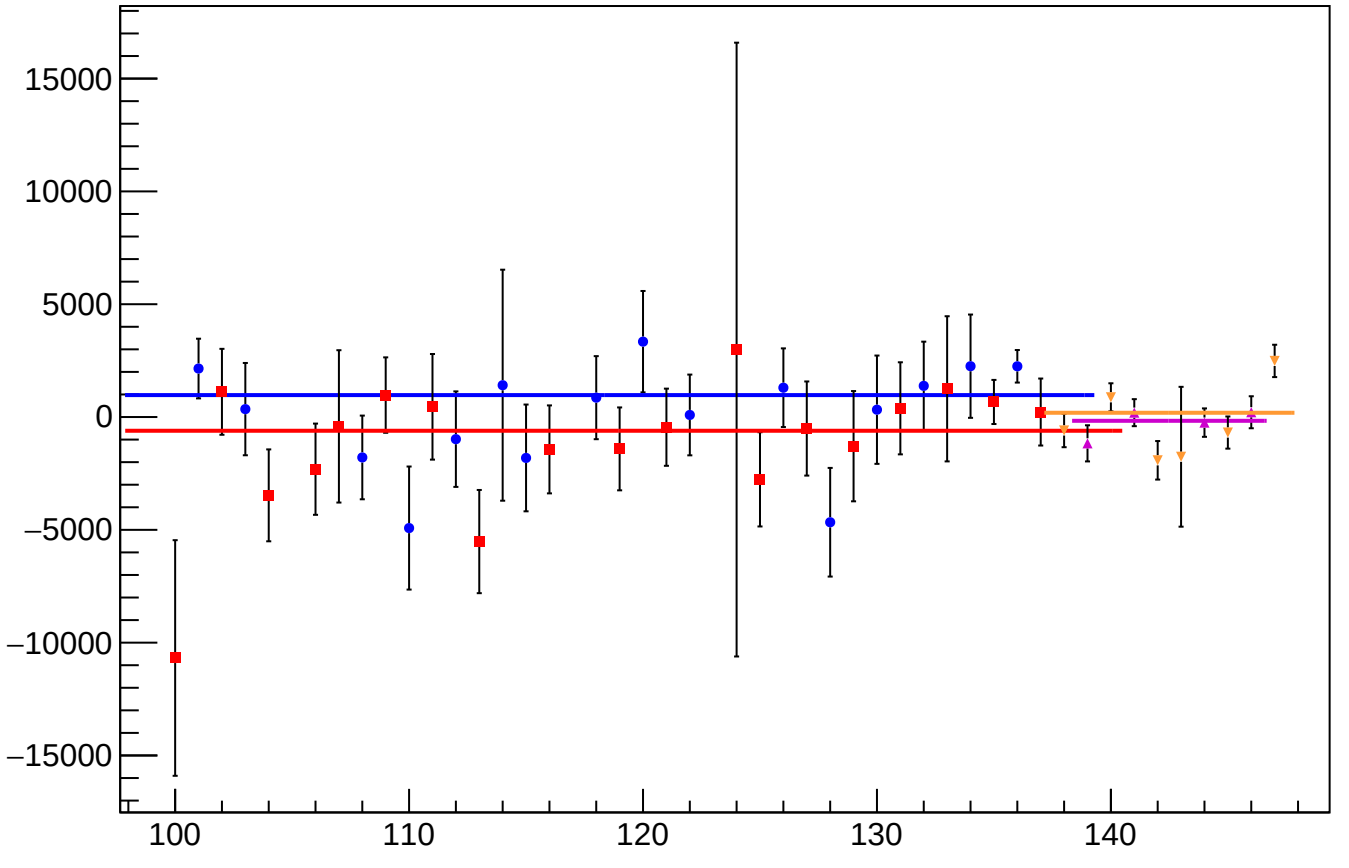
Left: 1240.826+/-0.311 χ^2/NDF: 153305.7/9

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1285.545+/-0.281 χ^2/NDF:513293.7/19

Out: 1247.047+/-0.259 χ^2/NDF:366992.7/24

All: 1264.738+/-0.190 χ^2/NDF: 890462.3/44



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 189.072+/-319.587 χ^2/NDF:20.6/5

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -167.395+/-335.989 χ^2/NDF:2.2/3

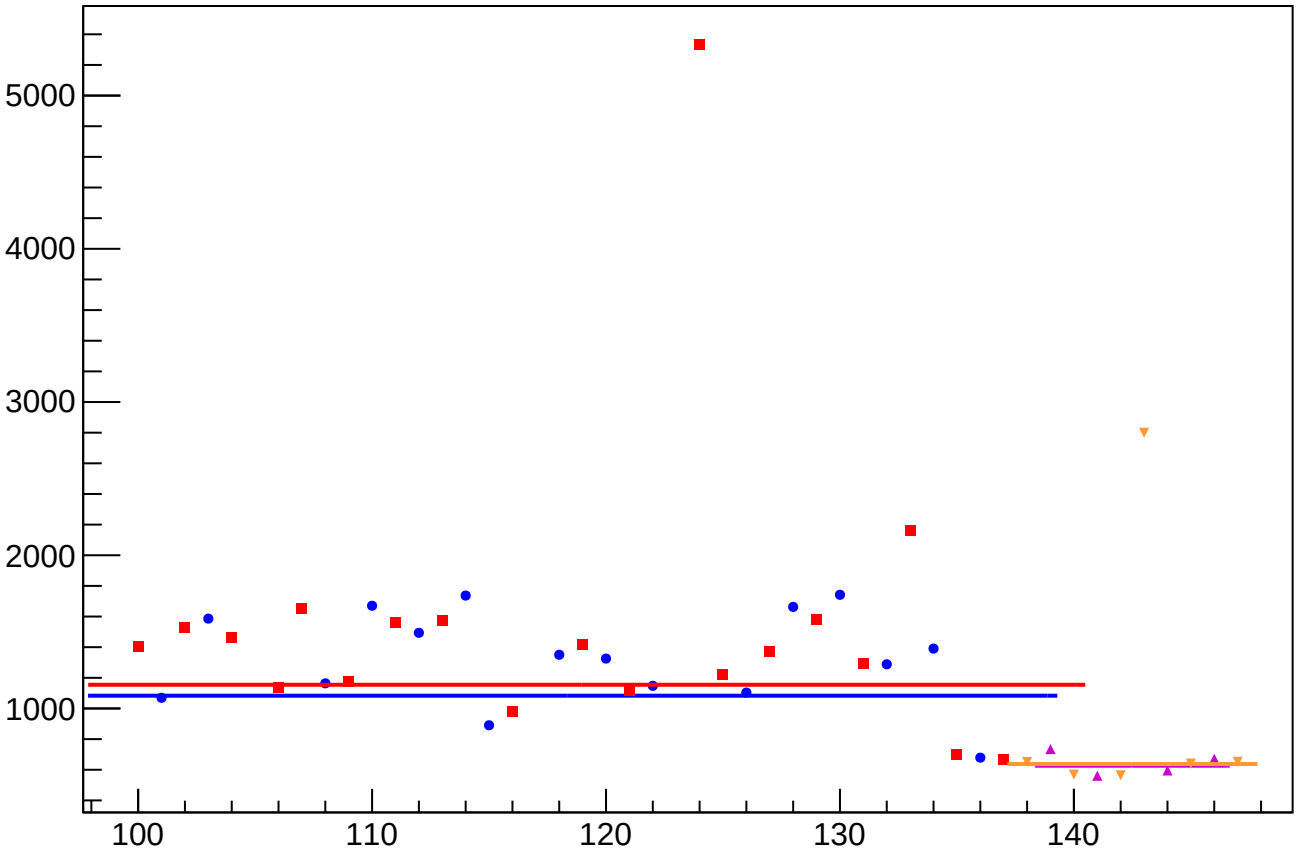
Left: 19.751+/-231.563 χ^2/NDF: 23.4/9

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 270.661+/-263.624 χ^2/NDF:27.1/19

Out: -80.106+/-260.120 χ^2/NDF:39.8/24

All: 92.931+/-185.159 χ^2/NDF: 67.8/44



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 637.582+/-0.226 χ^2/NDF:1014436.8/5

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 626.529+/-0.238 χ^2/NDF:74001.9/3

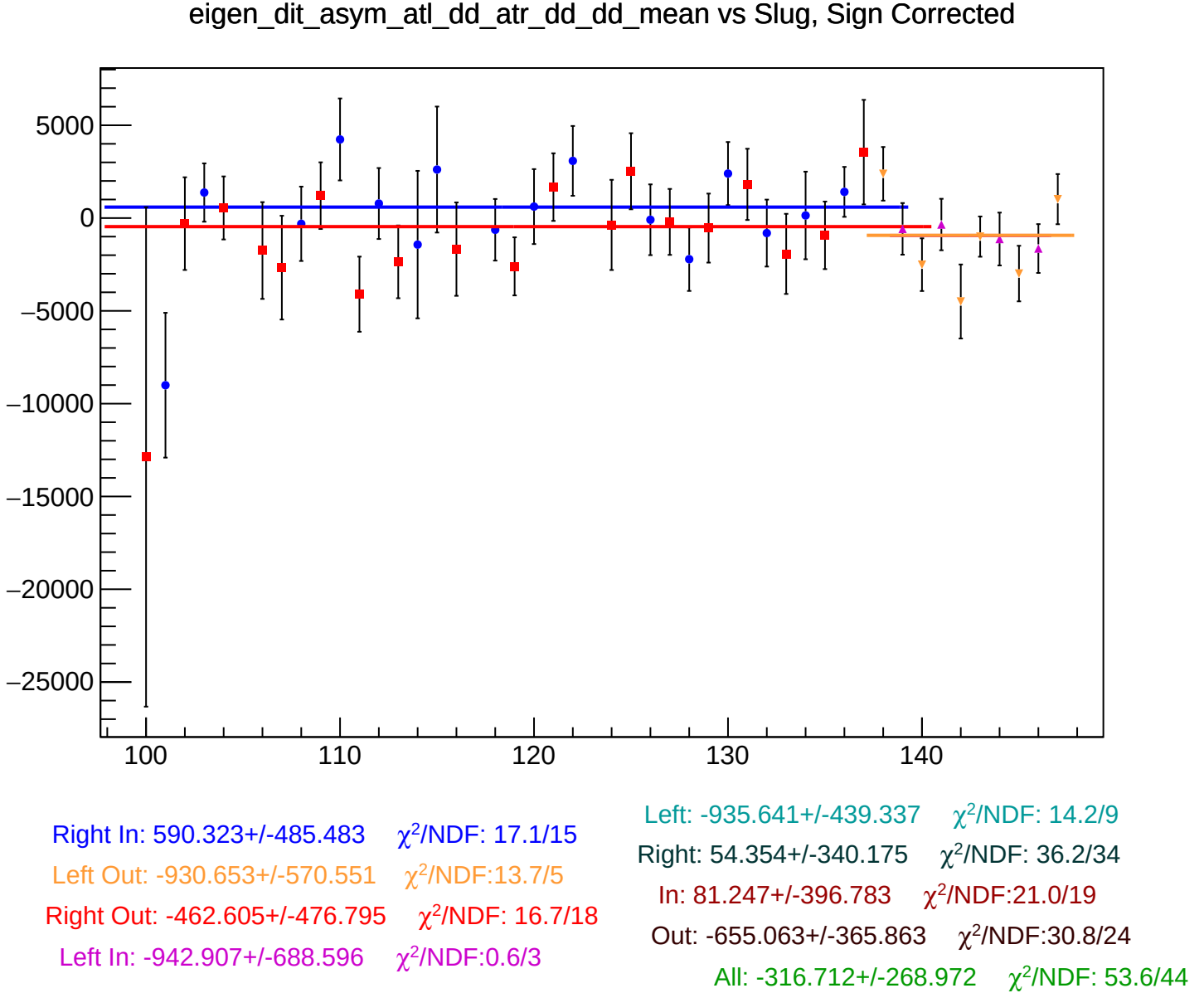
Left: 632.332+/-0.164 χ^2/NDF: 1089575.0/9

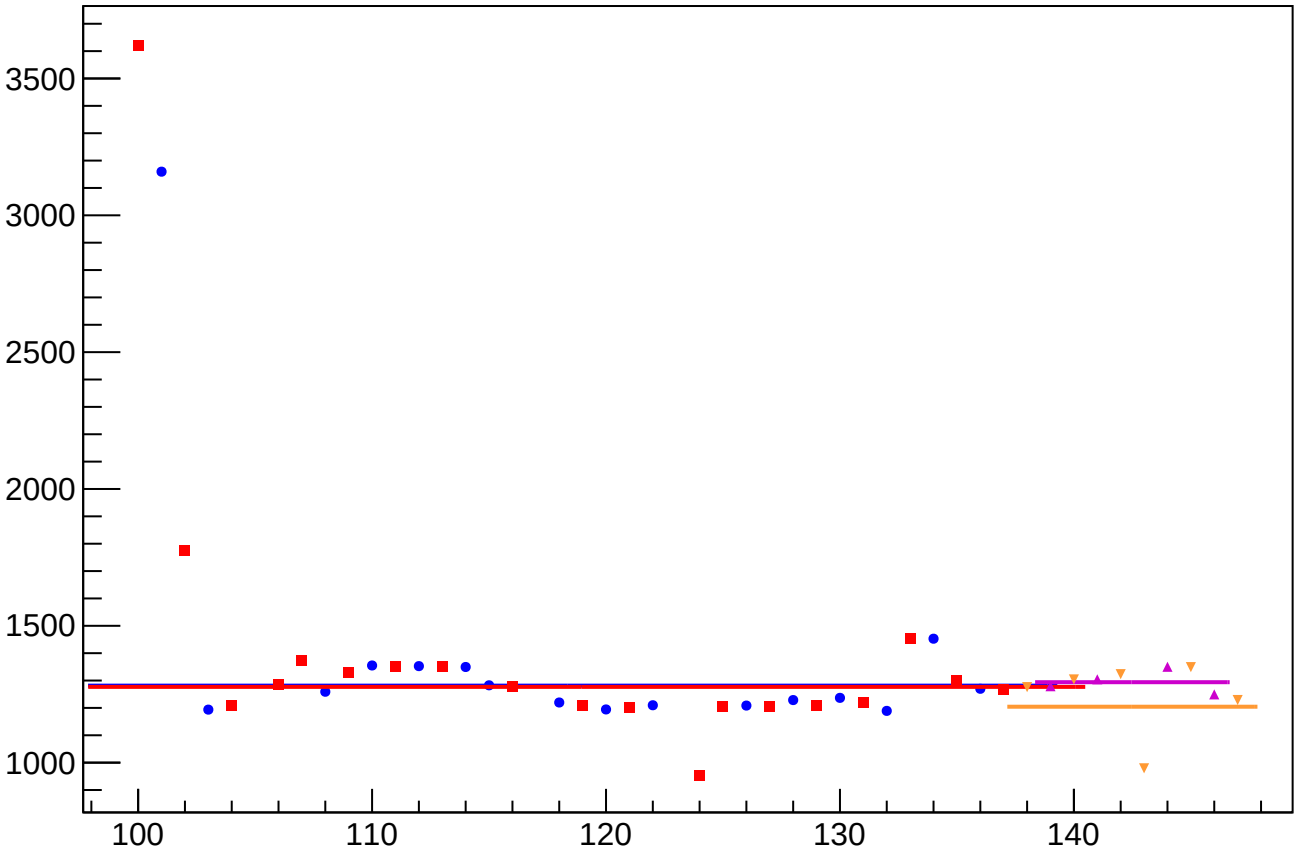
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 802.110+/-0.186 χ^2/NDF:2855141.4/19

Out: 812.130+/-0.184 χ^2/NDF:4270324.4/24

All: 807.187+/-0.131 χ^2/NDF: 7126929.9/44


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -930.653+/-570.551 χ²/NDF:13.7/5
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -942.907+/-688.596 χ²/NDF:0.6/3
Left: -935.641+/-439.337 χ²/NDF: 14.2/9
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 81.247+/-396.783 χ²/NDF:21.0/19
Out: -655.063+/-365.863 χ²/NDF:30.8/24
All: -316.712+/-268.972 χ²/NDF: 53.6/44



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.1/5

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

Left: 1240.826+/-0.311 χ^2/NDF: 153305.0/9

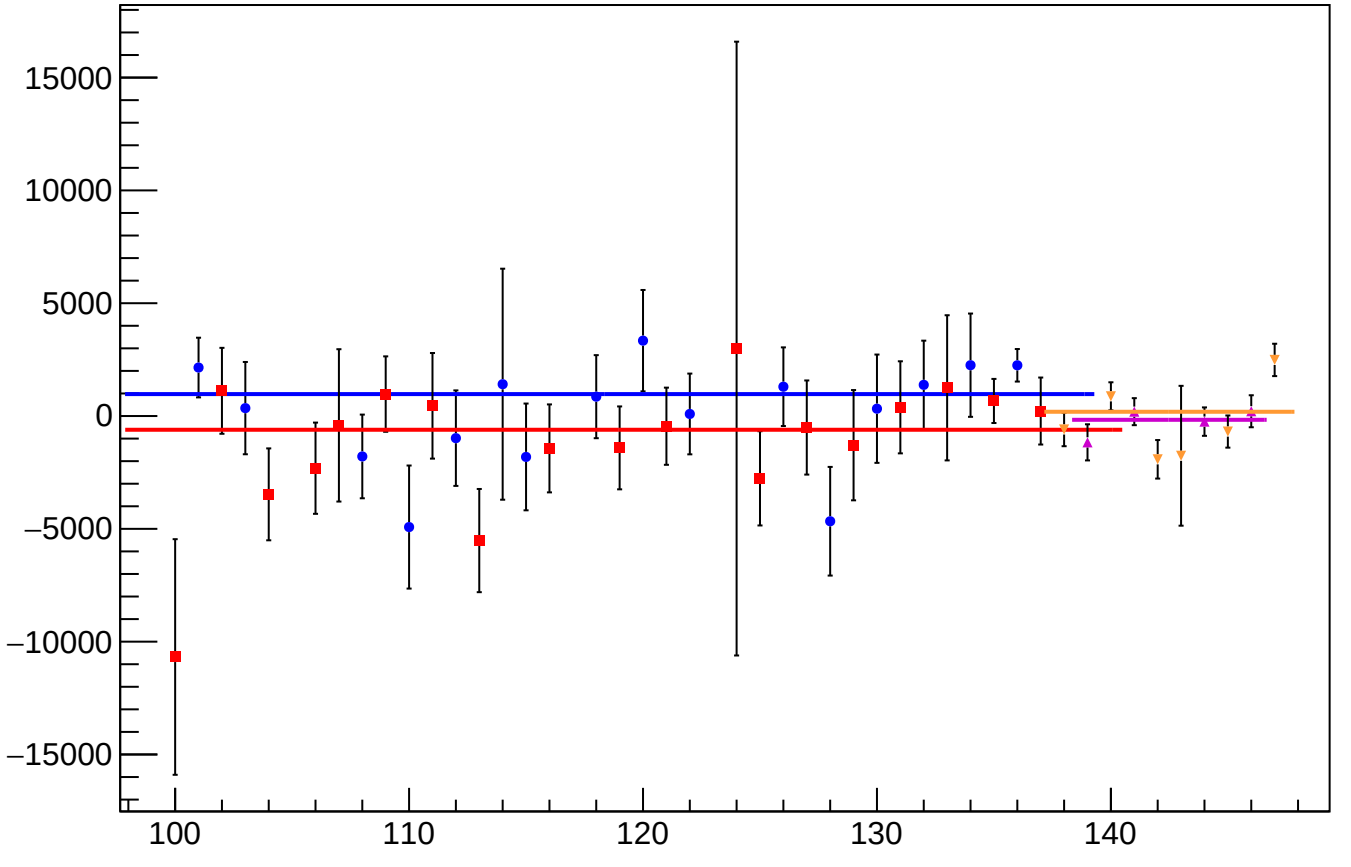
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1285.545+/-0.281 χ^2/NDF:513293.9/19

Out: 1247.048+/-0.259 χ^2/NDF:366991.7/24

All: 1264.738+/-0.190 χ^2/NDF: 890461.4/44

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 189.074+/-319.588 χ^2/NDF:20.6/5

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -167.394+/-335.989 χ^2/NDF:2.2/3

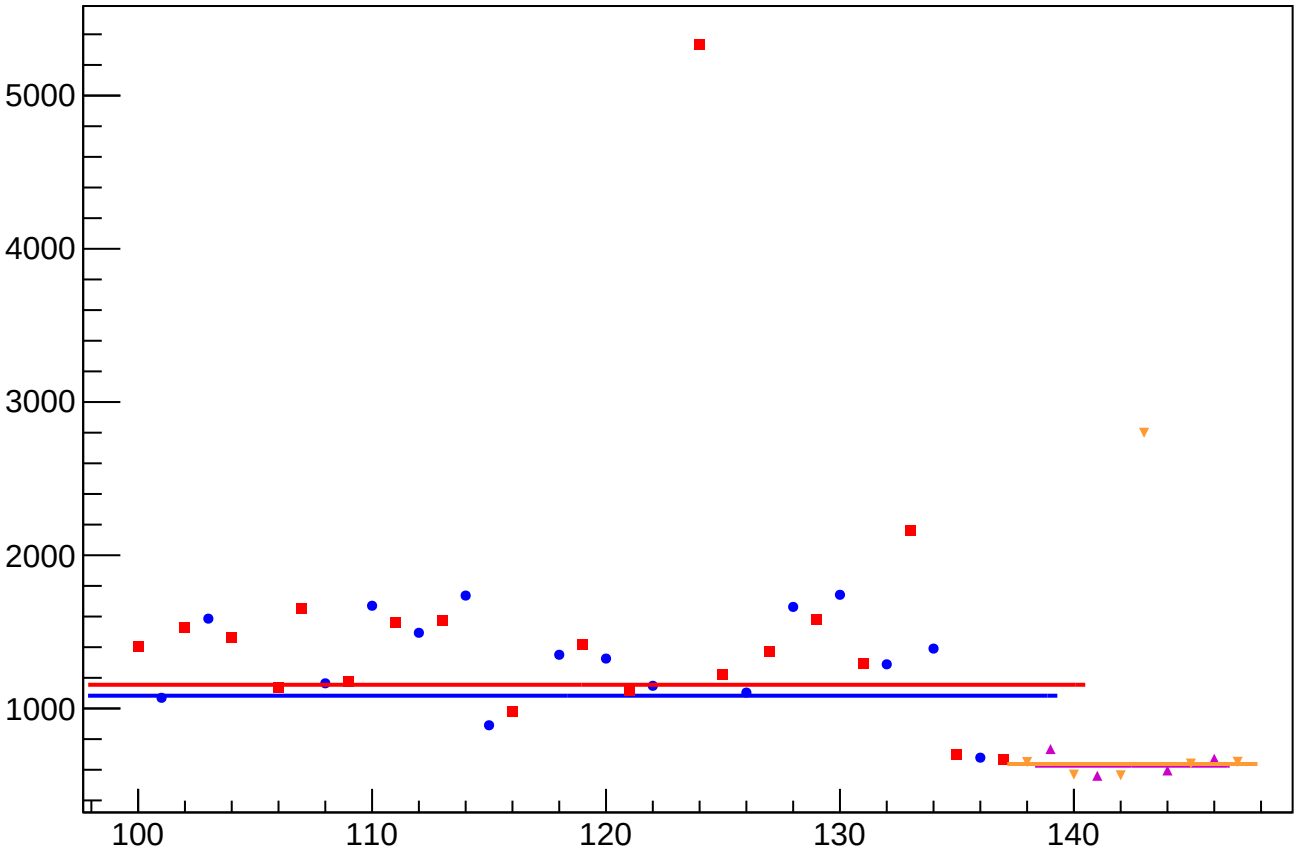
Left: 19.752+/-231.564 χ^2/NDF: 23.4/9

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 270.658+/-263.625 χ^2/NDF:27.1/19

Out: -80.107+/-260.121 χ^2/NDF:39.8/24

All: 92.929+/-185.160 χ^2/NDF: 67.8/44



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 637.584+/-0.226 χ^2/NDF:1014434.7/5

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 626.529+/-0.238 χ^2/NDF:74004.8/3

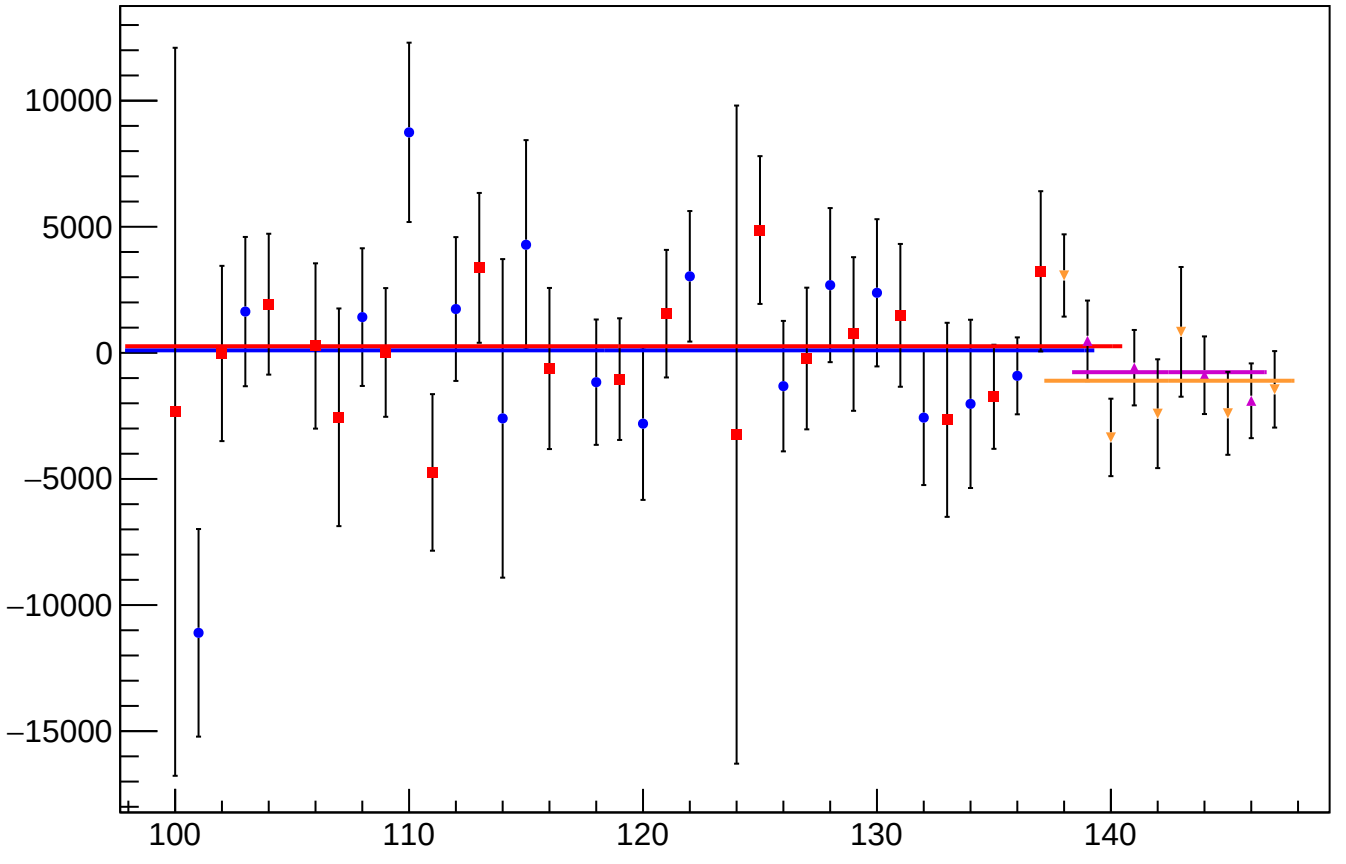
Left: 632.333+/-0.164 χ^2/NDF: 1089576.3/9

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 802.112+/-0.186 χ^2/NDF:2855120.4/19

Out: 812.135+/-0.184 χ^2/NDF:4270285.8/24

All: 807.190+/-0.131 χ^2/NDF: 7126871.1/44



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1105.110+/-712.342 χ^2/NDF:10.3/5

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -765.959+/-763.330 χ^2/NDF:1.2/3

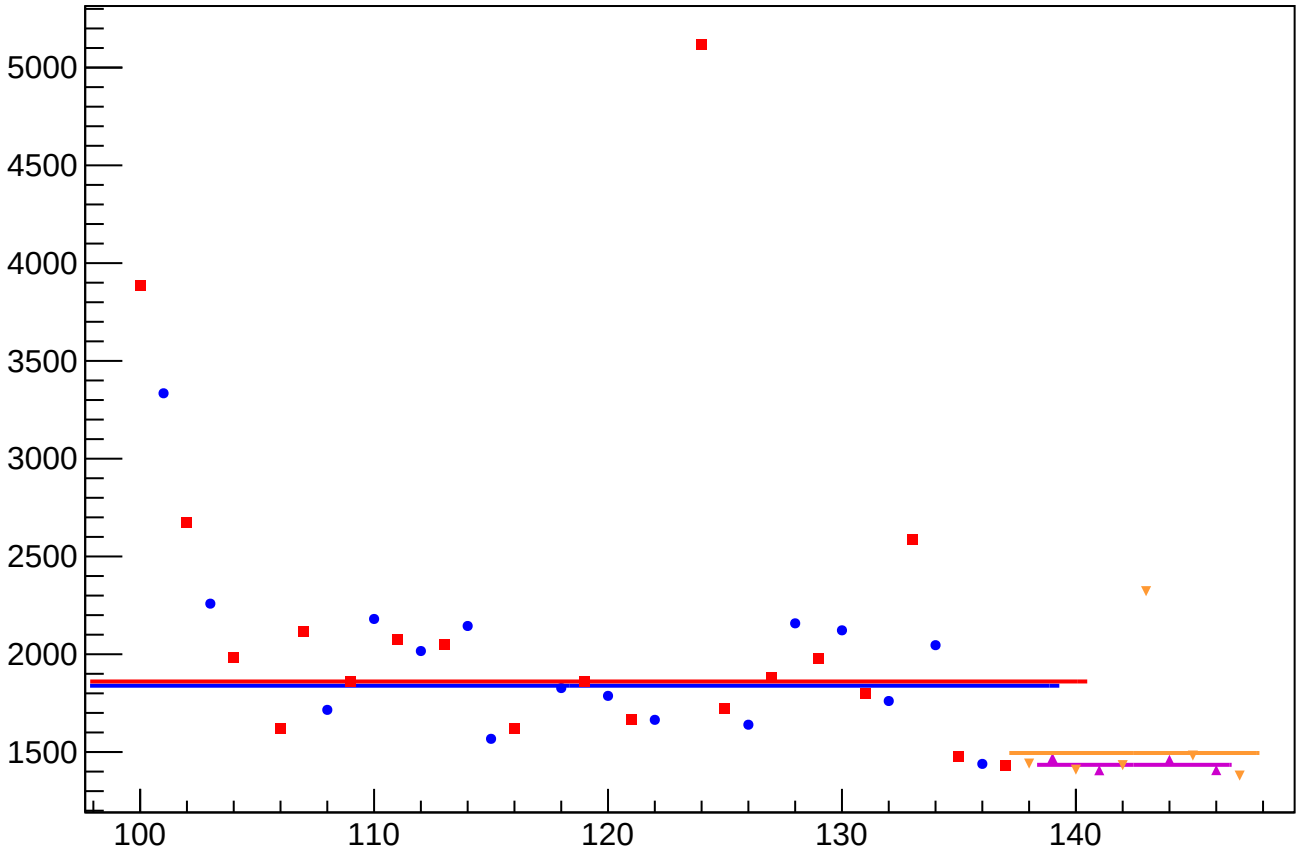
Left: -947.239+/-520.795 χ^2/NDF: 11.6/9

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -294.702+/-515.506 χ^2/NDF:23.2/19

Out: -408.968+/-499.181 χ^2/NDF:22.5/24

All: -353.673+/-358.607 χ^2/NDF: 45.7/44



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1495.063+/-0.504 χ^2/NDF:228726.4/5

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1434.548+/-0.540 χ^2/NDF:2862.3/3

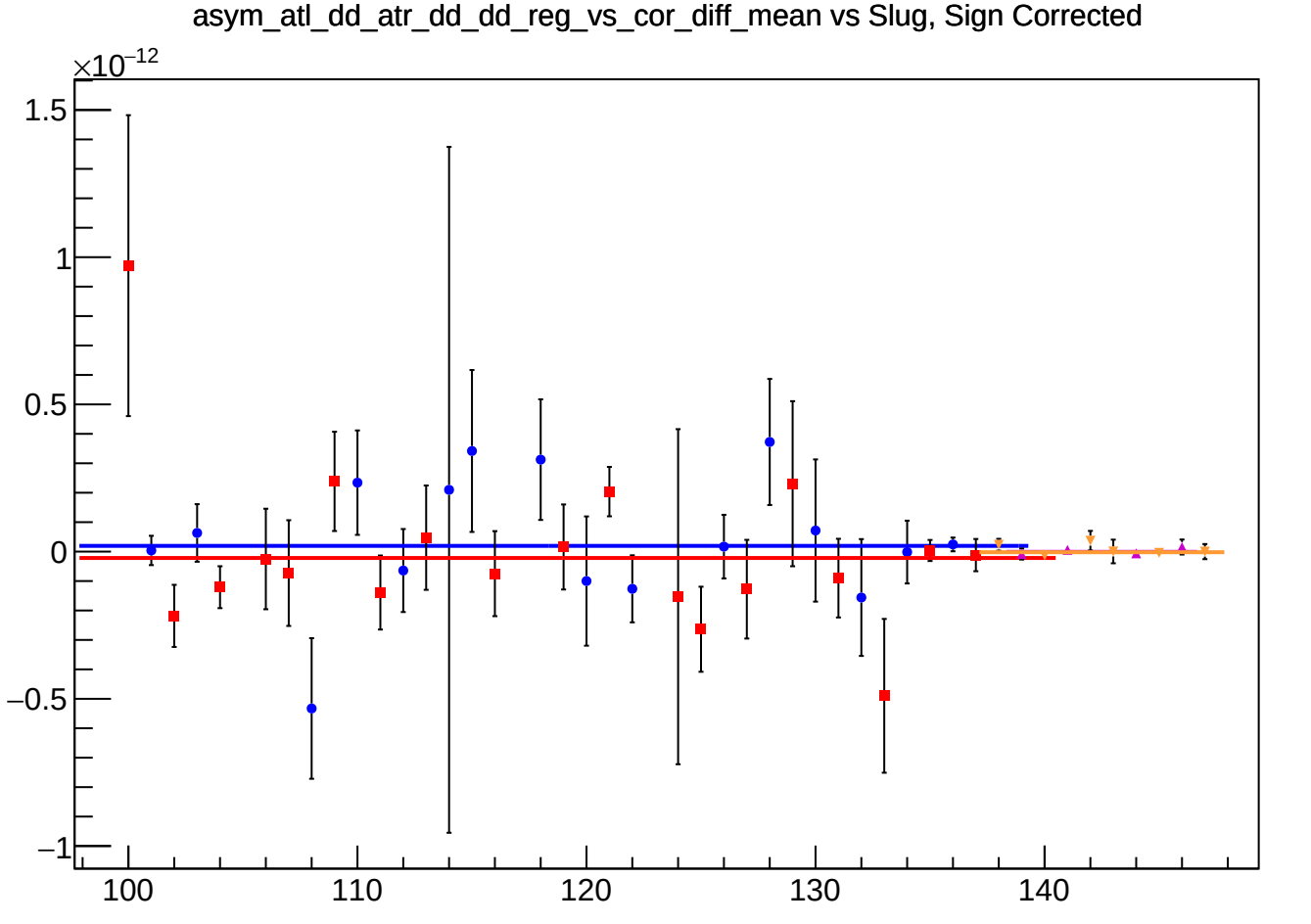
Left: 1466.894+/-0.368 χ^2/NDF: 238307.4/9

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1654.599+/-0.365 χ^2/NDF:865162.0/19

Out: 1681.178+/-0.353 χ^2/NDF:1019095.9/24

All: 1668.316+/-0.254 χ^2/NDF: 1887001.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

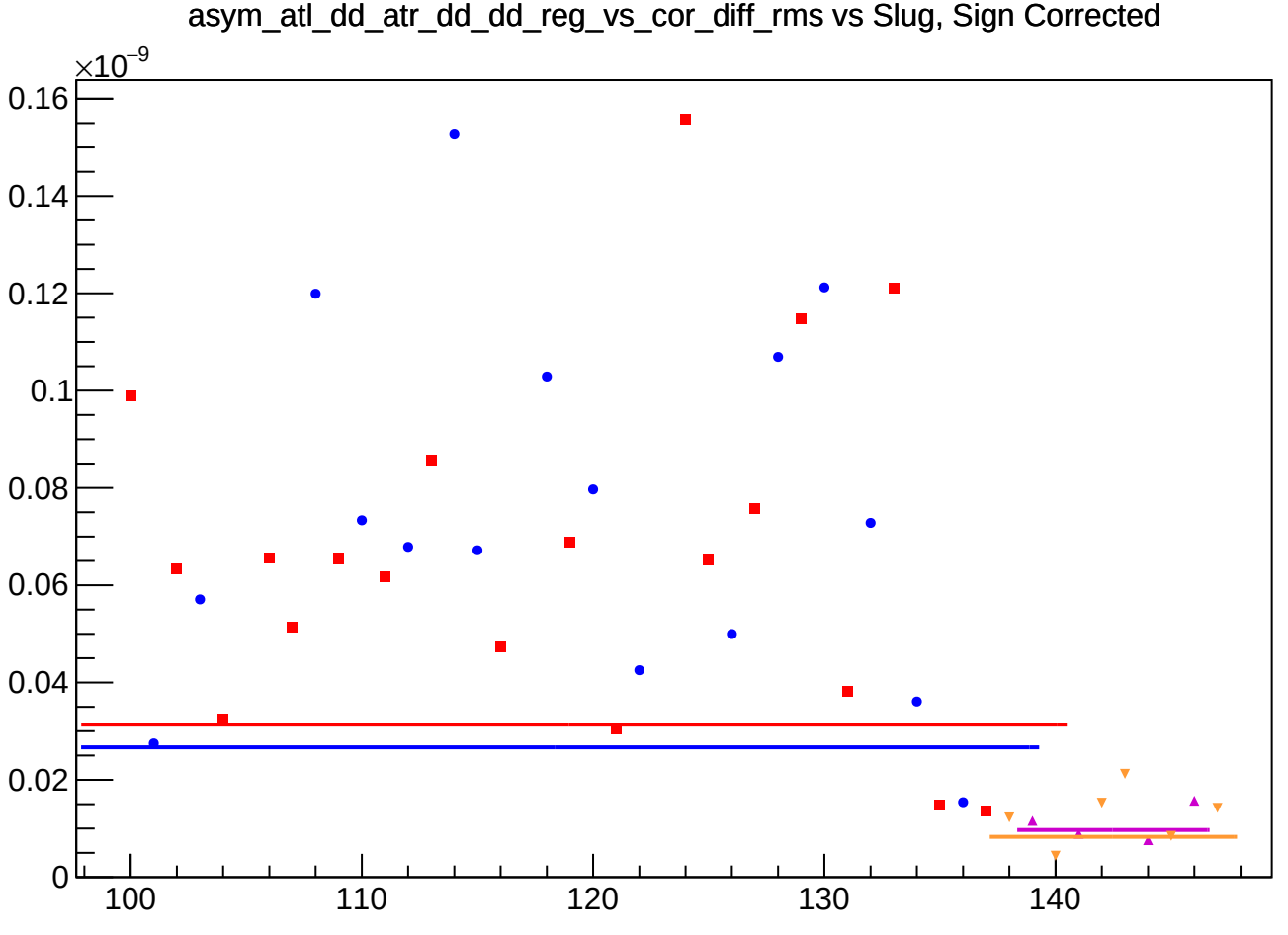
Left: -0.000+/-0.000 χ^2/NDF: 4.9/9

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:18.3/19

Out: -0.000+/-0.000 χ^2/NDF:32.9/24

All: -0.000+/-0.000 χ^2/NDF: 51.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:746927.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:185270.3/3

Left: 0.000+/-0.000 χ^2/NDF: 963611.7/9

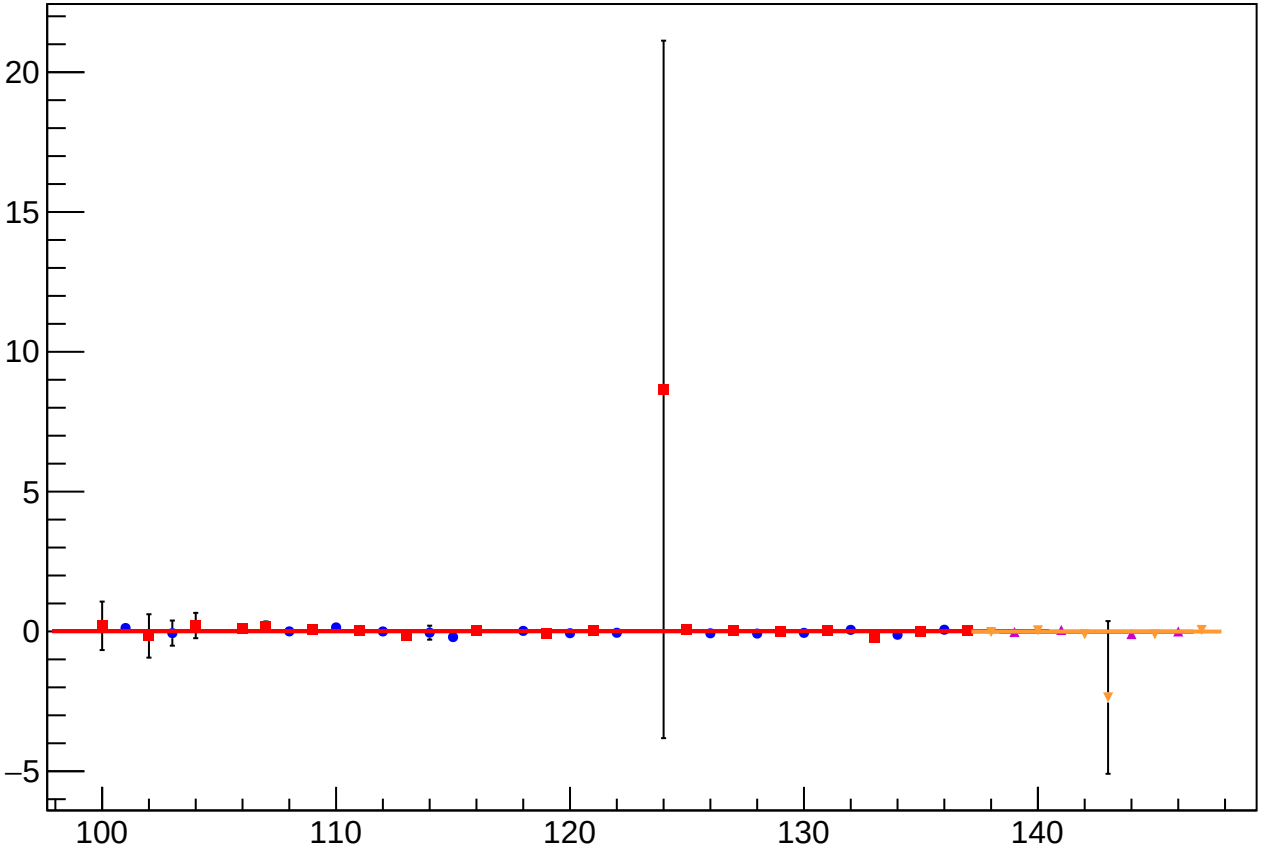
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4119157.1/19

Out: 0.000+/-0.000 χ^2/NDF:4951906.8/24

All: 0.000+/-0.000 χ^2/NDF: 9148412.7/44

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.008+/-0.014 χ^2/NDF: 12.2/9

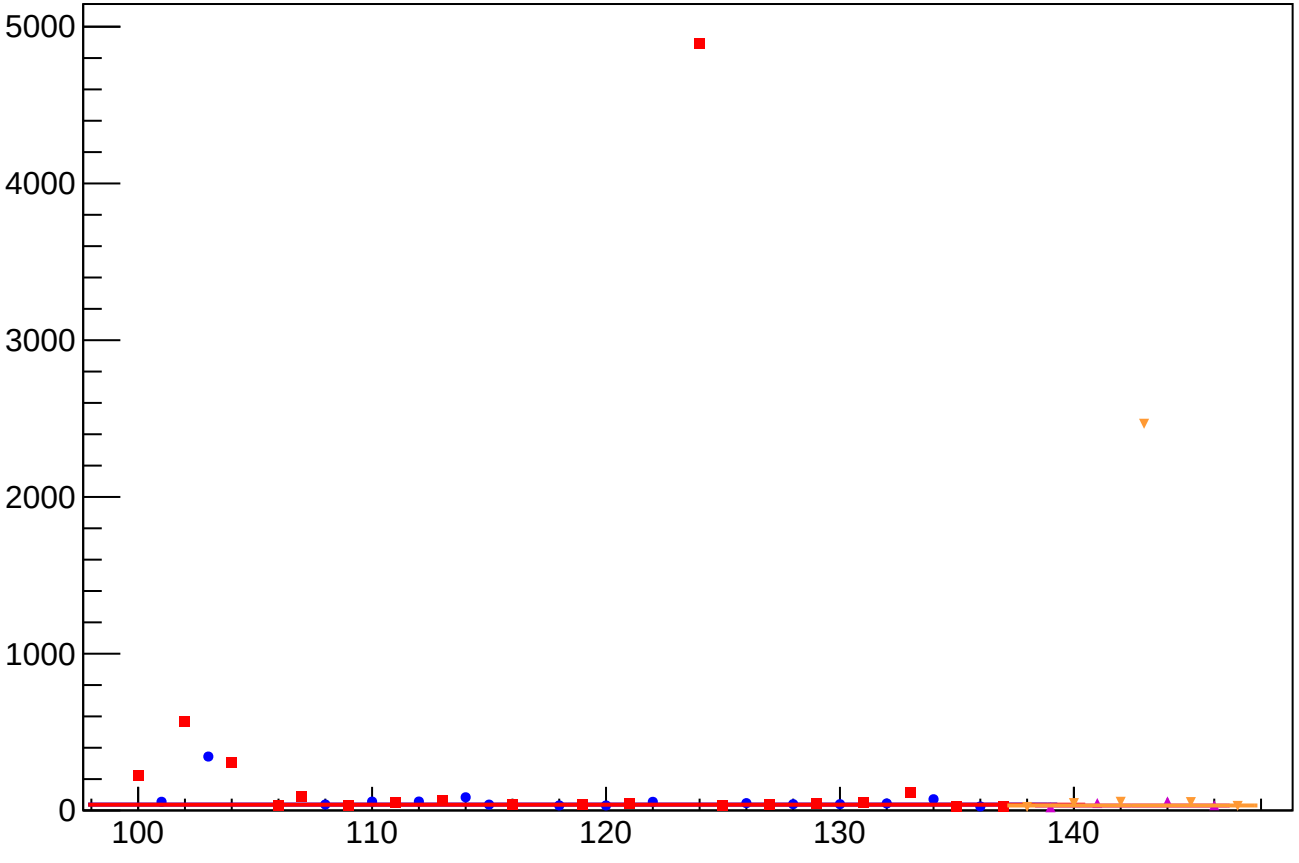
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.003+/-0.009 χ^2/NDF: 45.1/44

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: 31.782+/-0.013 χ^2/NDF:2393922.2/5

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

Left: 31.451+/-0.010 χ^2/NDF: 3265581.6/9

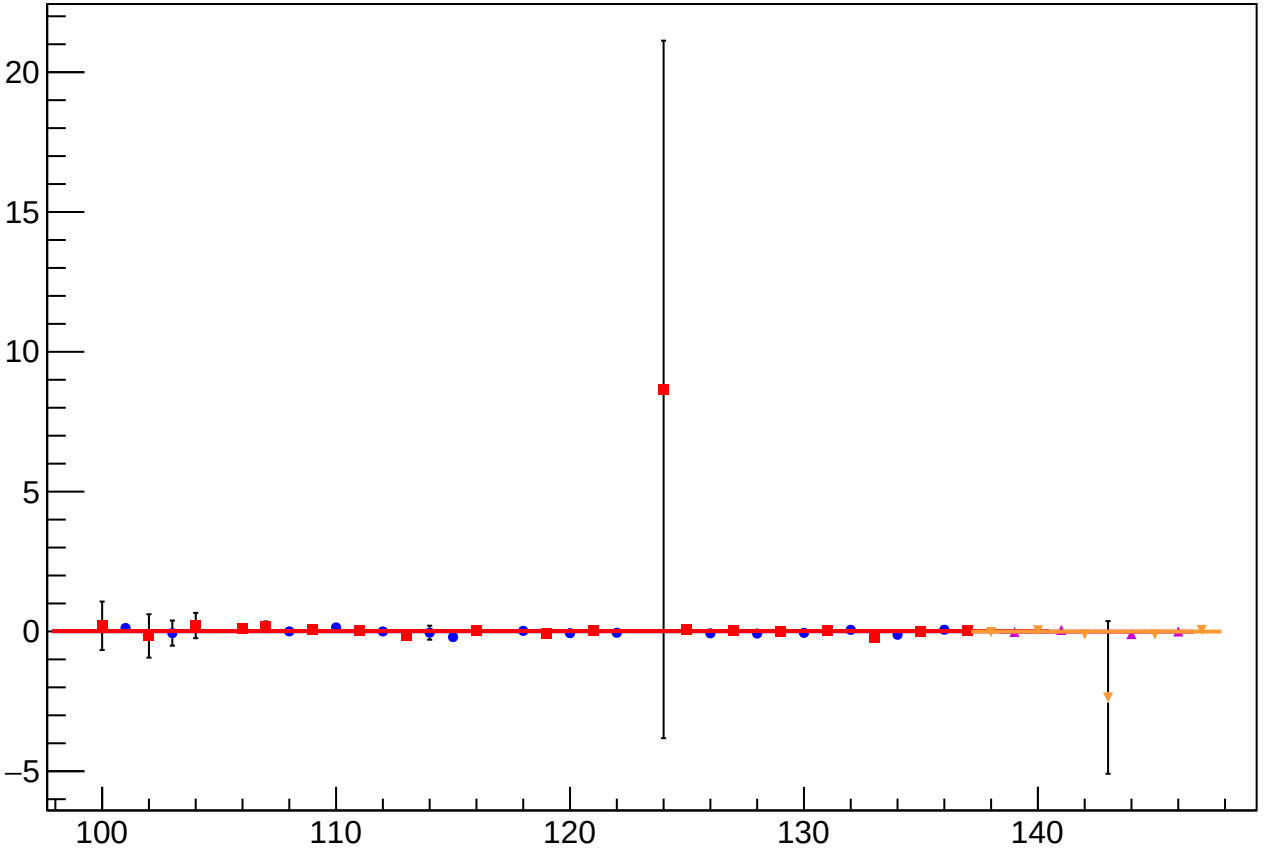
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.885+/-0.009 χ^2/NDF:2982753.7/19

Out: 34.586+/-0.009 χ^2/NDF:5663355.4/24

All: 34.737+/-0.006 χ^2/NDF: 8646686.6/44

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.008+/-0.014 χ^2/NDF: 12.2/9

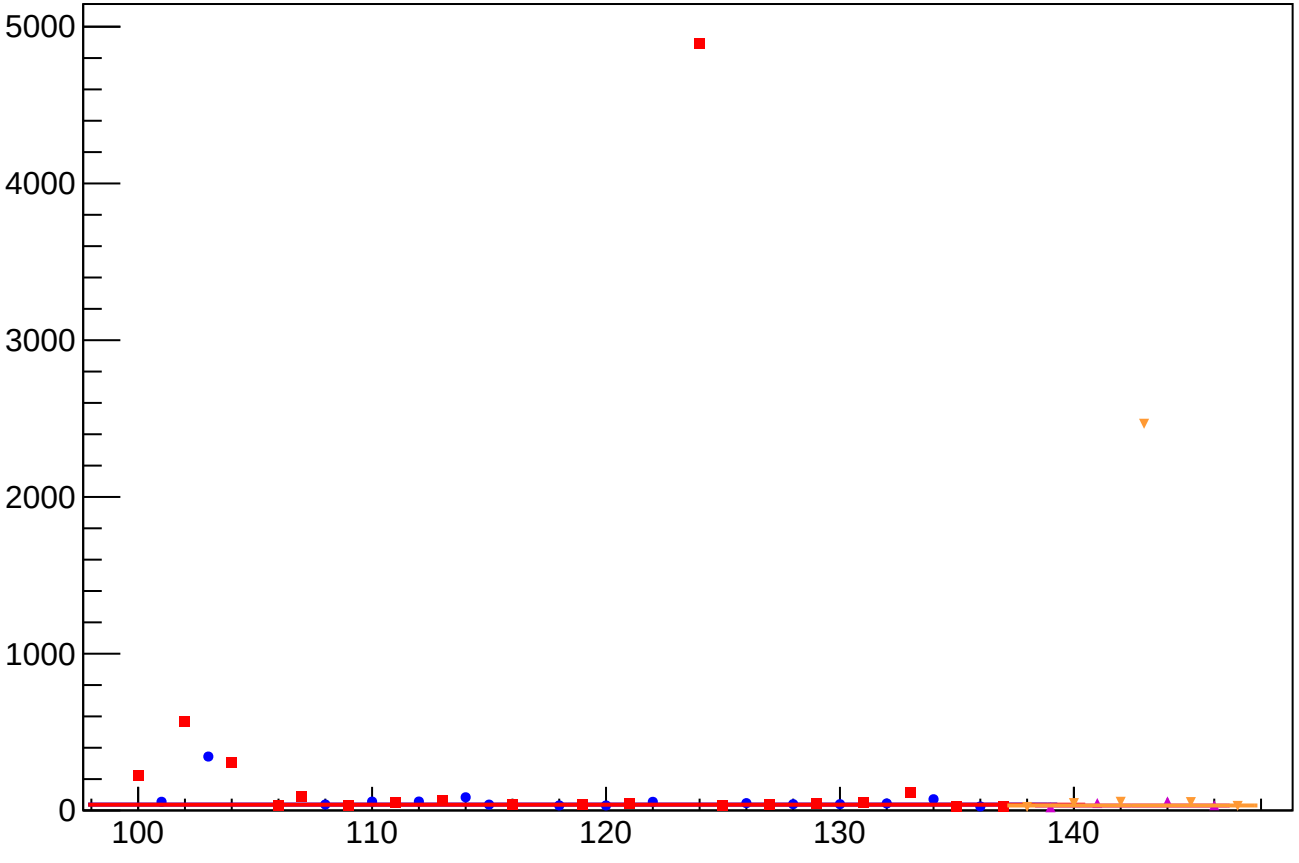
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.003+/-0.009 χ^2/NDF: 45.1/44

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: 31.782+/-0.013 χ^2/NDF:2393922.2/5

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

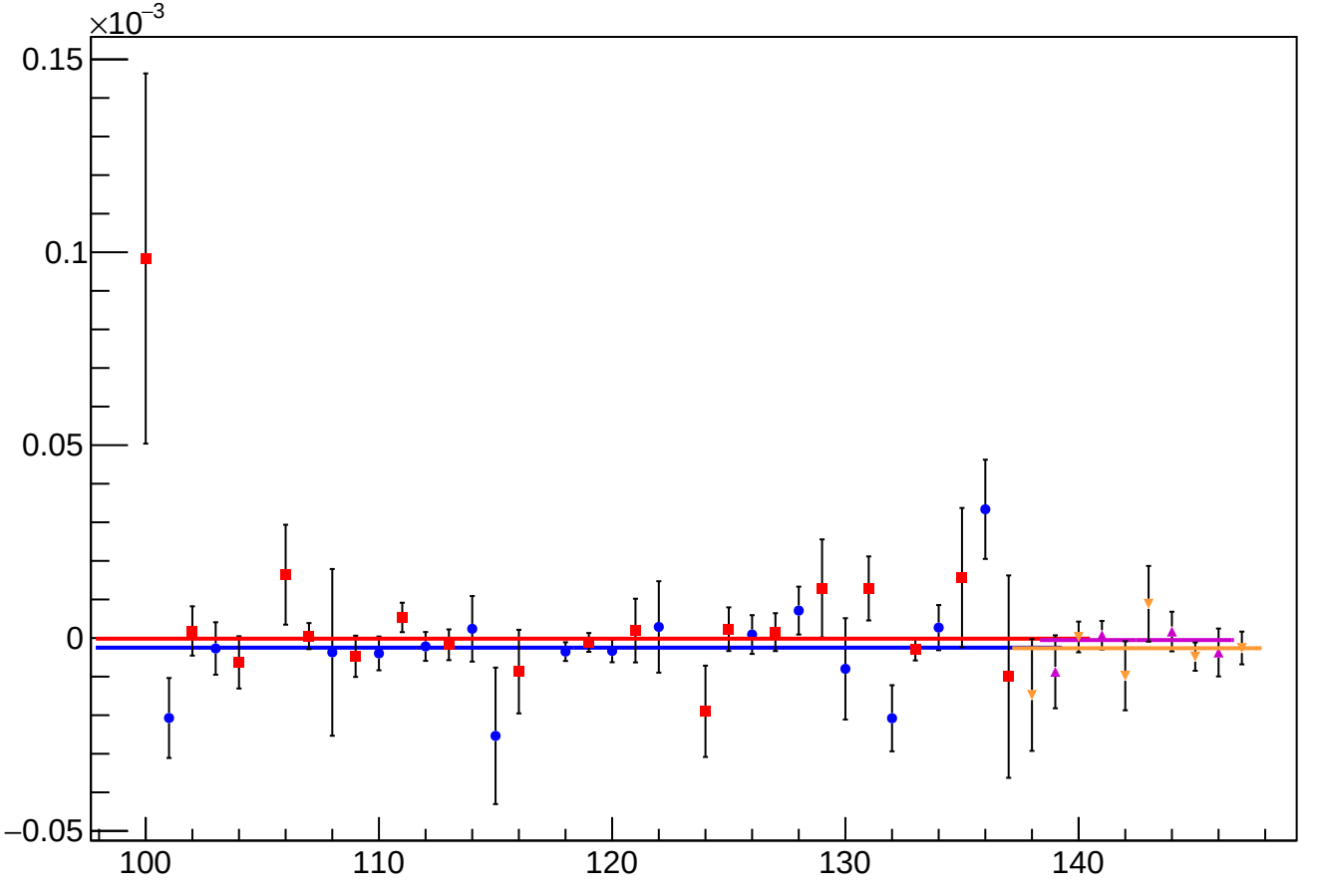
Left: 31.451+/-0.010 χ^2/NDF: 3265581.6/9

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.885+/-0.009 χ^2/NDF:2982753.7/19

Out: 34.586+/-0.009 χ^2/NDF:5663355.4/24

All: 34.737+/-0.006 χ^2/NDF: 8646686.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/3

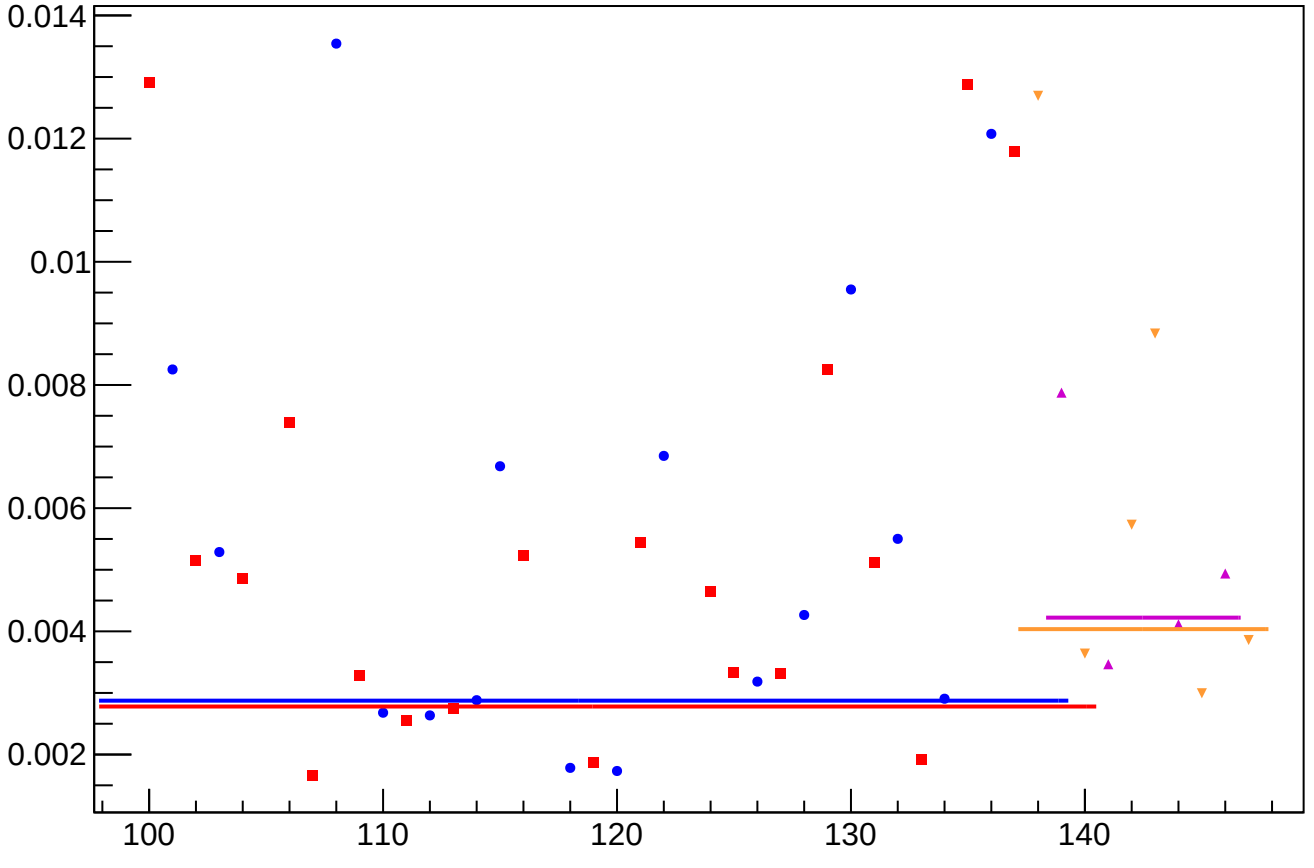
Left: -0.000+/-0.000 χ^2/NDF: 5.3/9

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:23.6/19

Out: -0.000+/-0.000 χ^2/NDF:23.5/24

All: -0.000+/-0.000 χ^2/NDF: 47.9/44



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1449080.1/5

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:409779.0/3

Left: 0.004+/-0.000 χ^2/NDF: 1865027.4/9

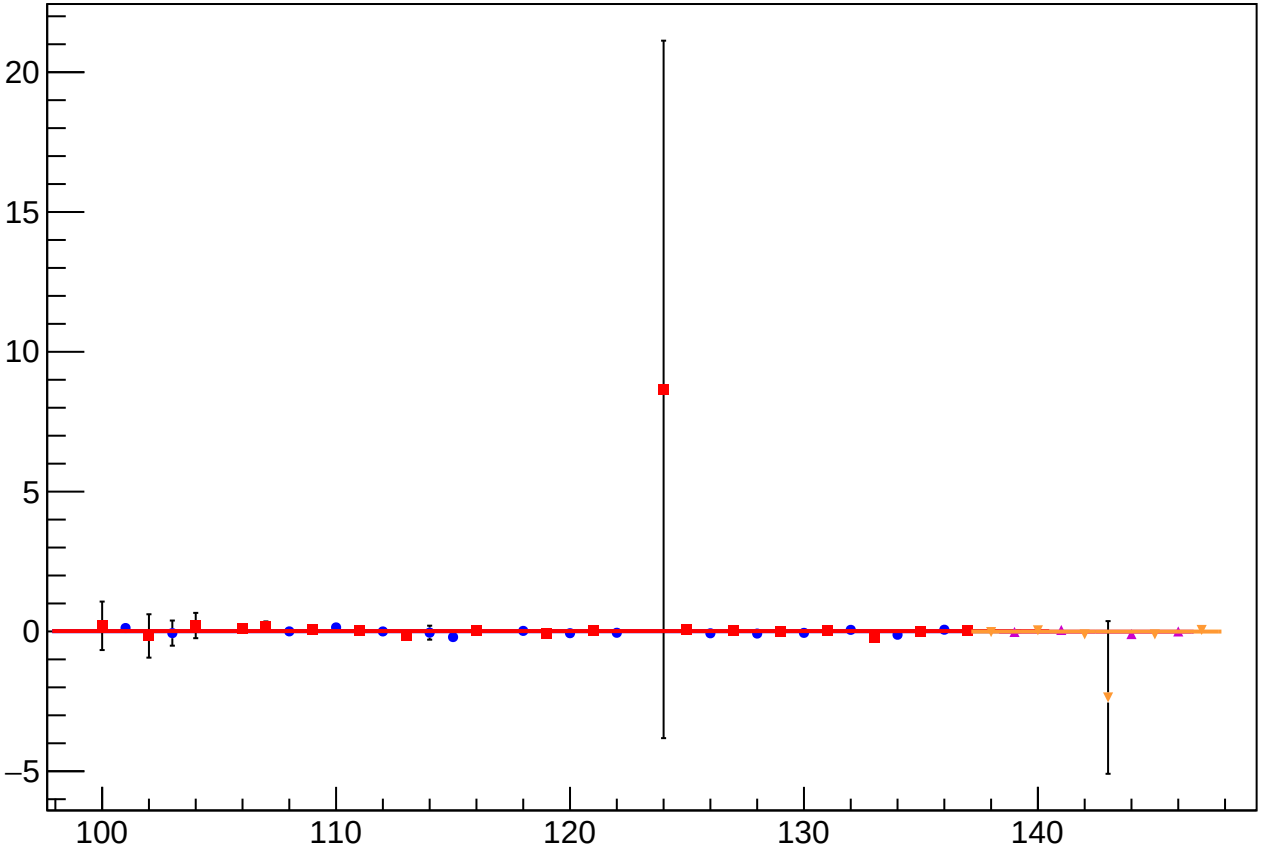
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4992022.9/19

Out: 0.003+/-0.000 χ^2/NDF:5294515.6/24

All: 0.003+/-0.000 χ^2/NDF: 10291086.9/44

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.008+/-0.014 χ^2/NDF: 12.2/9

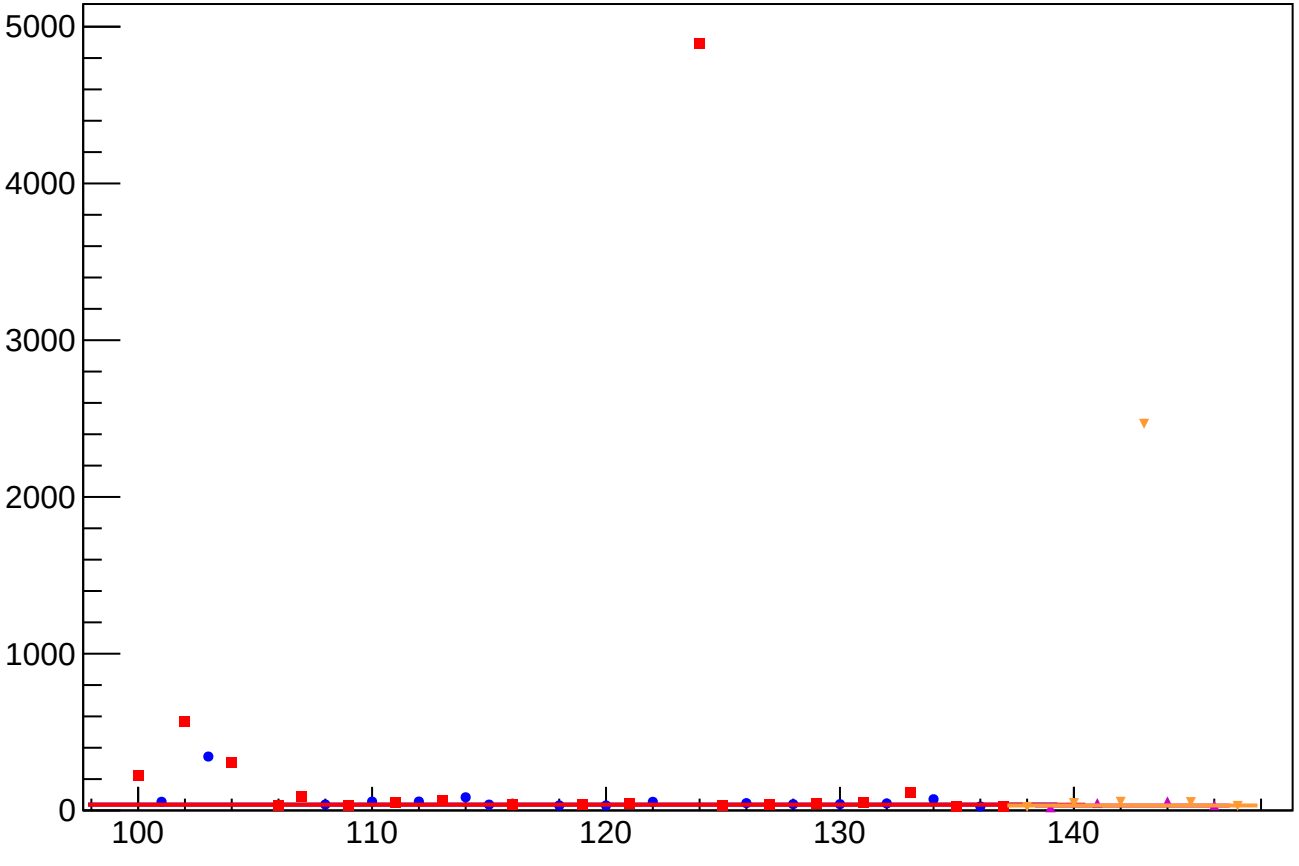
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.003+/-0.009 χ^2/NDF: 45.1/44

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: 31.779+/-0.013 χ^2/NDF:2394231.8/5

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

Left: 31.452+/-0.010 χ^2/NDF: 3265202.6/9

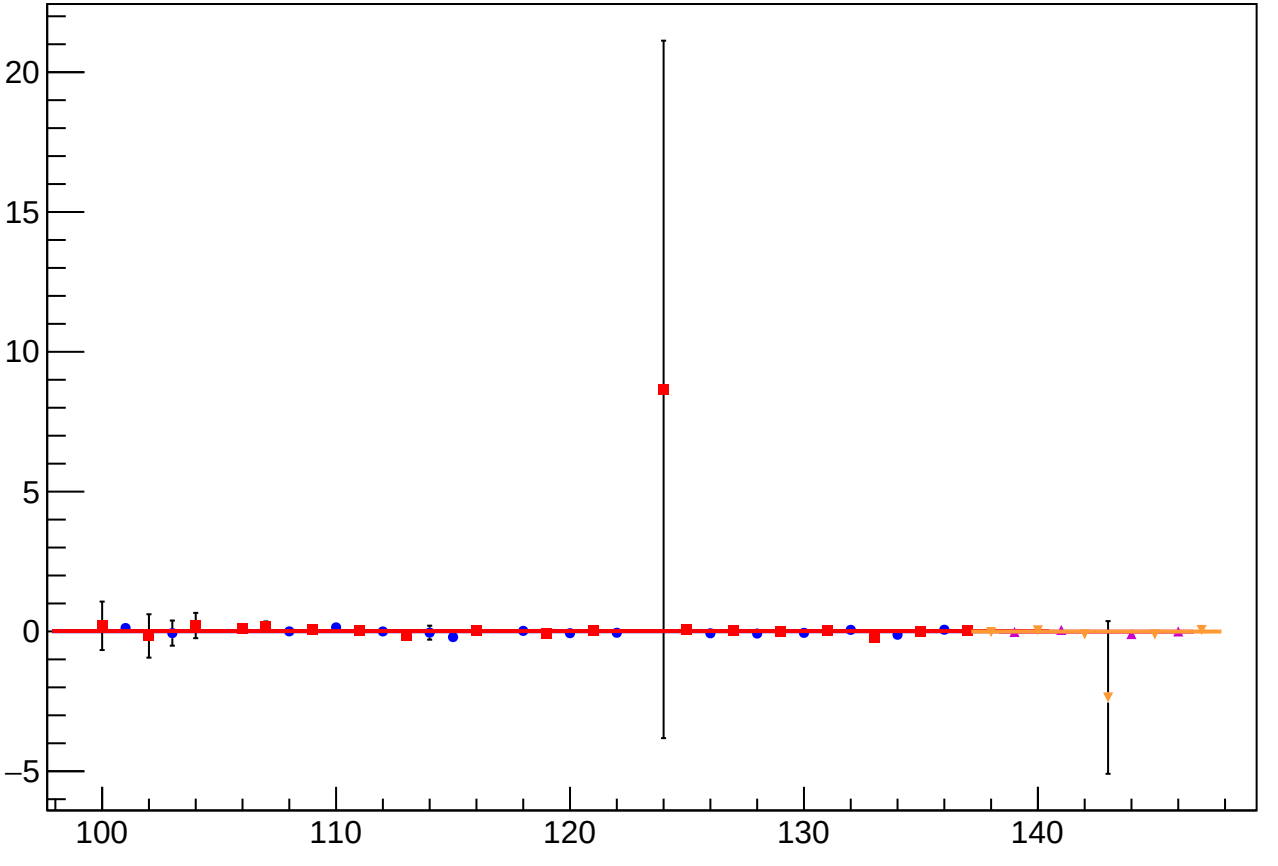
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.888+/-0.009 χ^2/NDF:2981757.5/19

Out: 34.585+/-0.009 χ^2/NDF:5663533.2/24

All: 34.738+/-0.006 χ^2/NDF: 8645884.9/44

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.008+/-0.014 χ^2/NDF: 12.2/9

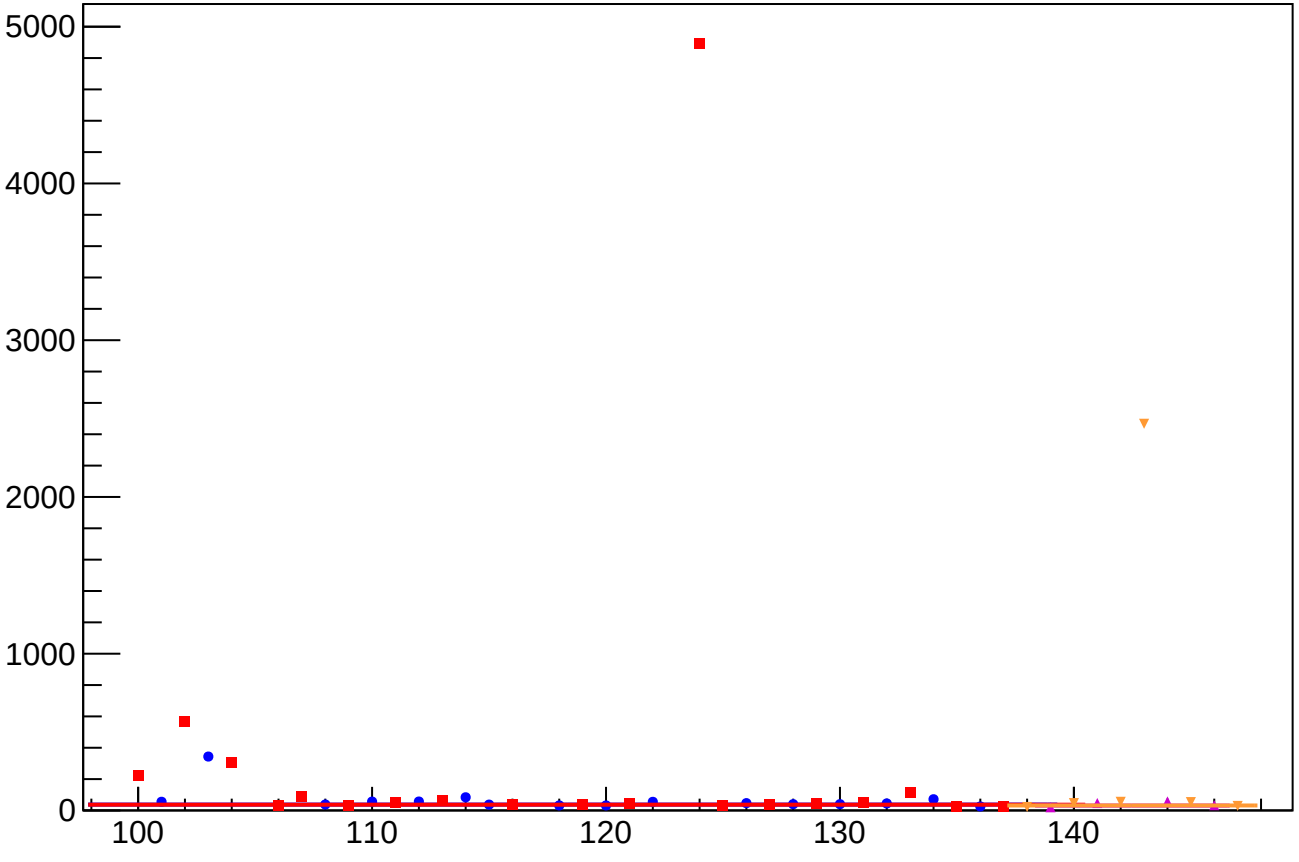
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.003+/-0.009 χ^2/NDF: 45.1/44

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: 31.779+/-0.013 χ^2/NDF:2394231.8/5

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

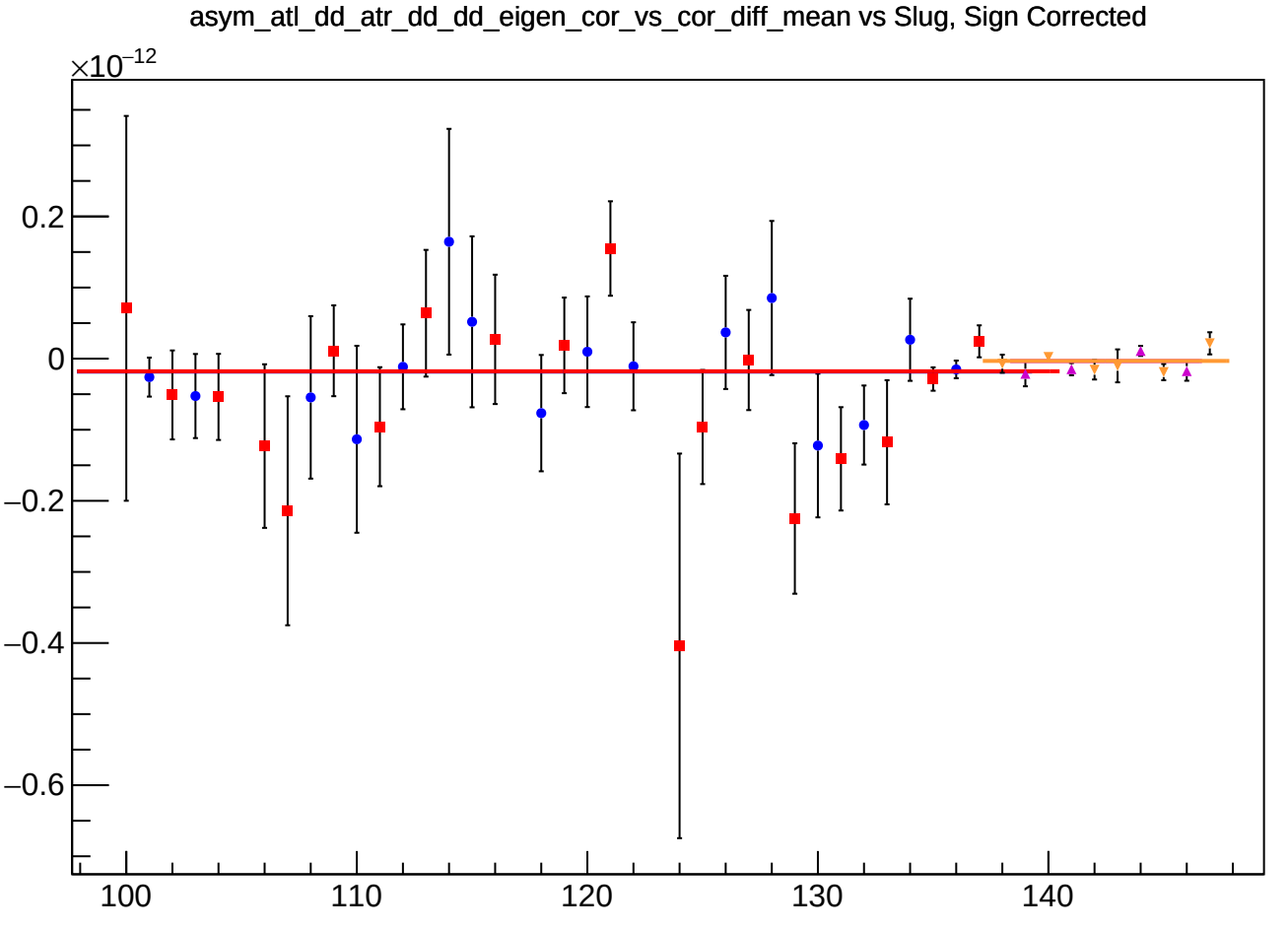
Left: 31.452+/-0.010 χ^2/NDF: 3265202.6/9

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.888+/-0.009 χ^2/NDF:2981757.5/19

Out: 34.585+/-0.009 χ^2/NDF:5663533.2/24

All: 34.738+/-0.006 χ^2/NDF: 8645884.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/3

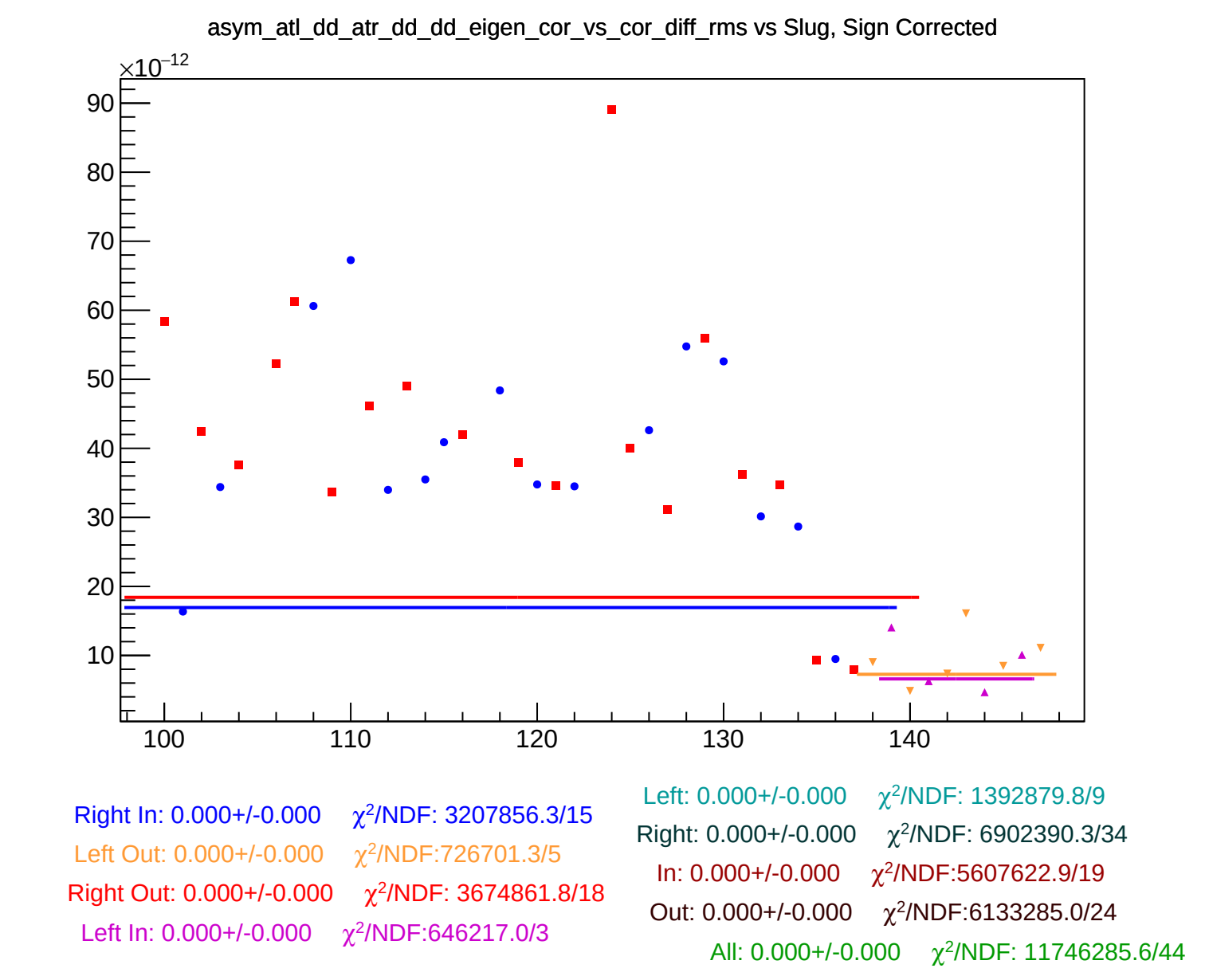
Left: -0.000+/-0.000 χ^2/NDF: 14.1/9

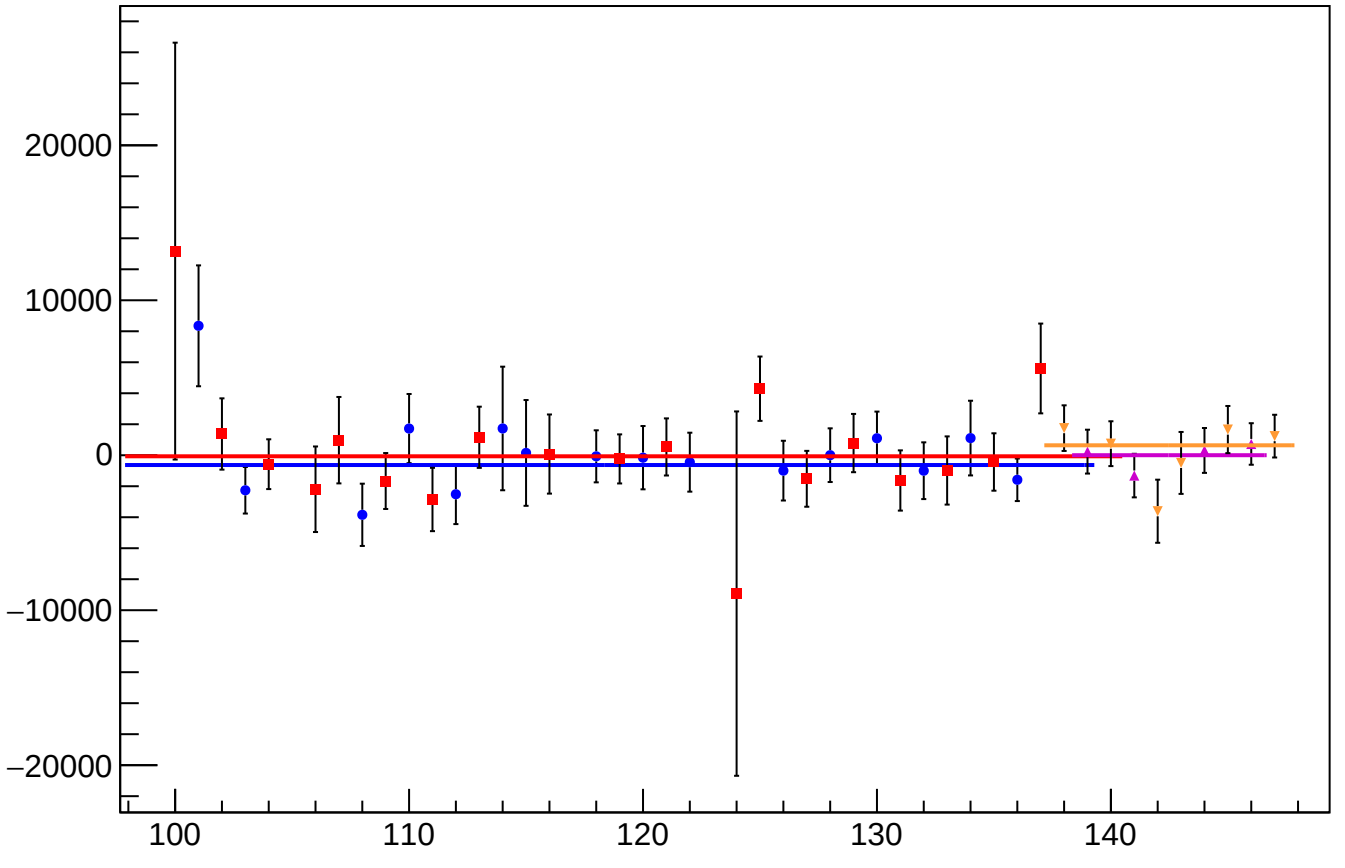
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:18.1/19

Out: -0.000+/-0.000 χ^2/NDF:34.9/24

All: -0.000+/-0.000 χ^2/NDF: 53.0/44


asym_atl_dd_atr_dd_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:726701.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:646217.0/3
Left: 0.000+/-0.000 χ²/NDF: 1392879.8/9
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5607622.9/19
Out: 0.000+/-0.000 χ²/NDF:6133285.0/24
All: 0.000+/-0.000 χ²/NDF: 11746285.6/44



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.778+/-646.903 χ^2/NDF:5.9/5

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 2.449+/-700.312 χ^2/NDF:1.2/3

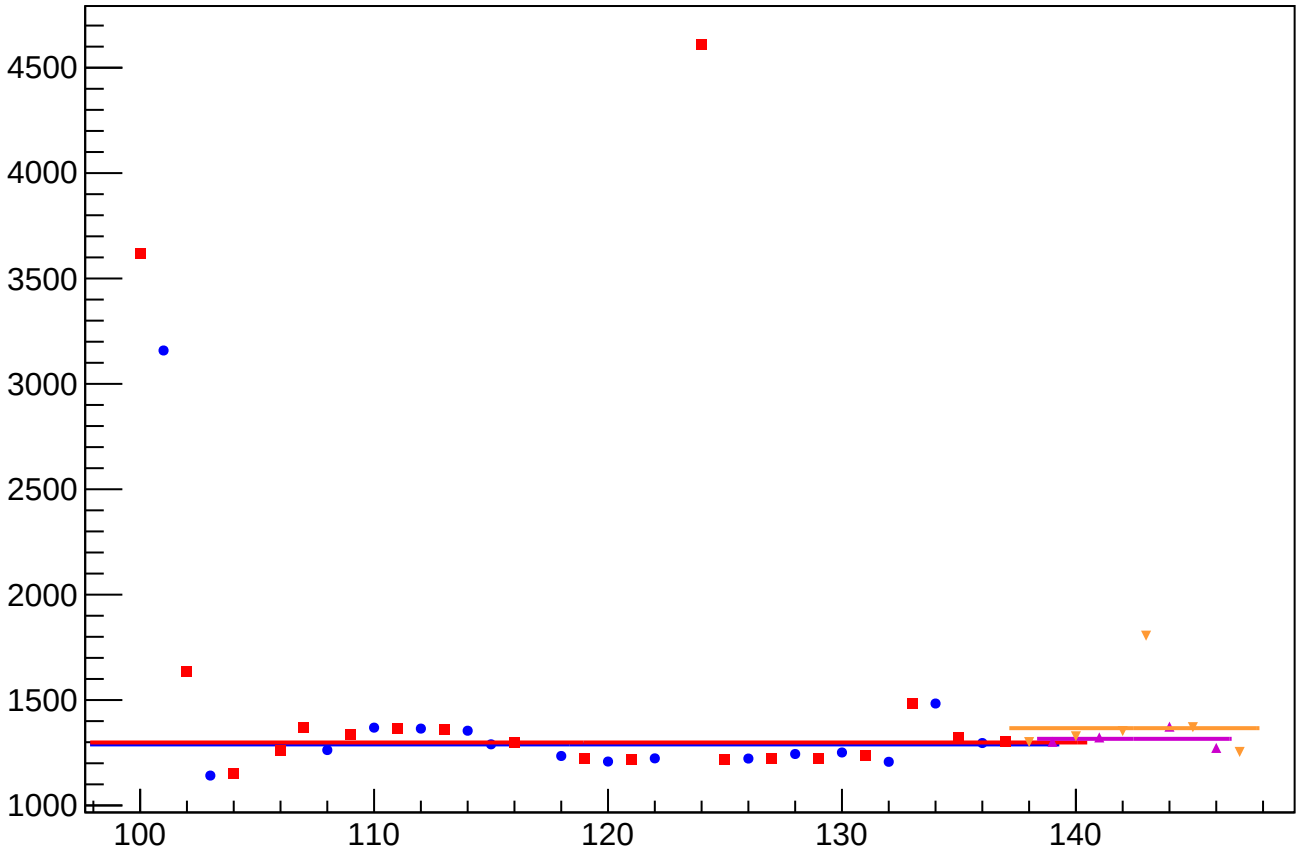
Left: 347.419+/-475.190 χ^2/NDF: 7.6/9

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -423.600+/-400.746 χ^2/NDF:15.7/19

Out: 189.488+/-389.461 χ^2/NDF:22.5/24

All: -108.302+/-279.295 χ^2/NDF: 39.4/44



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

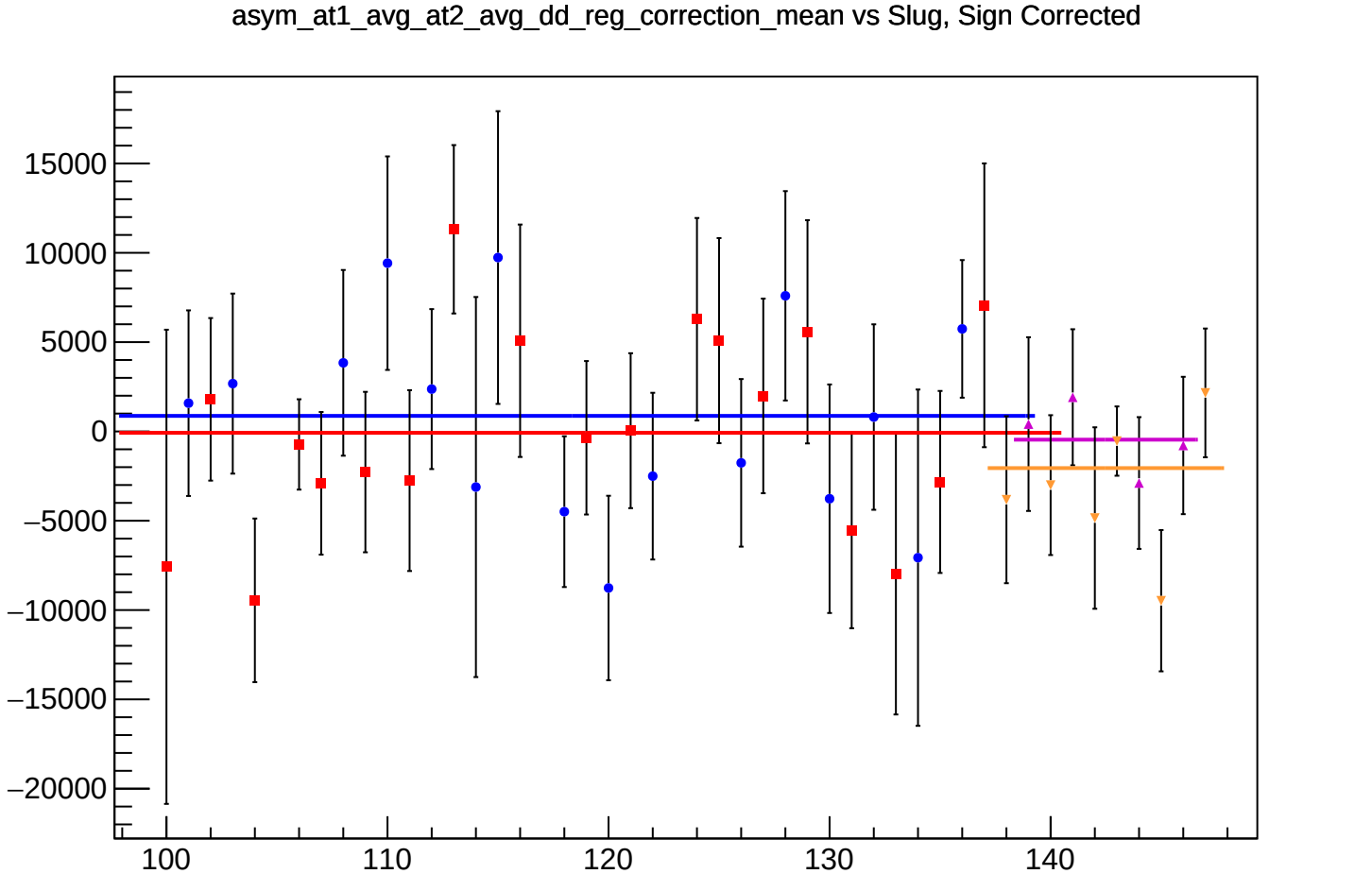
Left: 1343.279+/-0.336 χ^2/NDF: 126517.8/9

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1298.143+/-0.283 χ^2/NDF:522091.3/19

Out: 1323.195+/-0.275 χ^2/NDF:448850.6/24

All: 1311.048+/-0.197 χ^2/NDF: 974967.8/44



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -2052.790+/-1340.442 χ^2/NDF:6.0/5

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -460.950+/-1990.507 χ^2/NDF:0.9/3

Left: -1556.134+/-1111.839 χ^2/NDF: 7.3/9

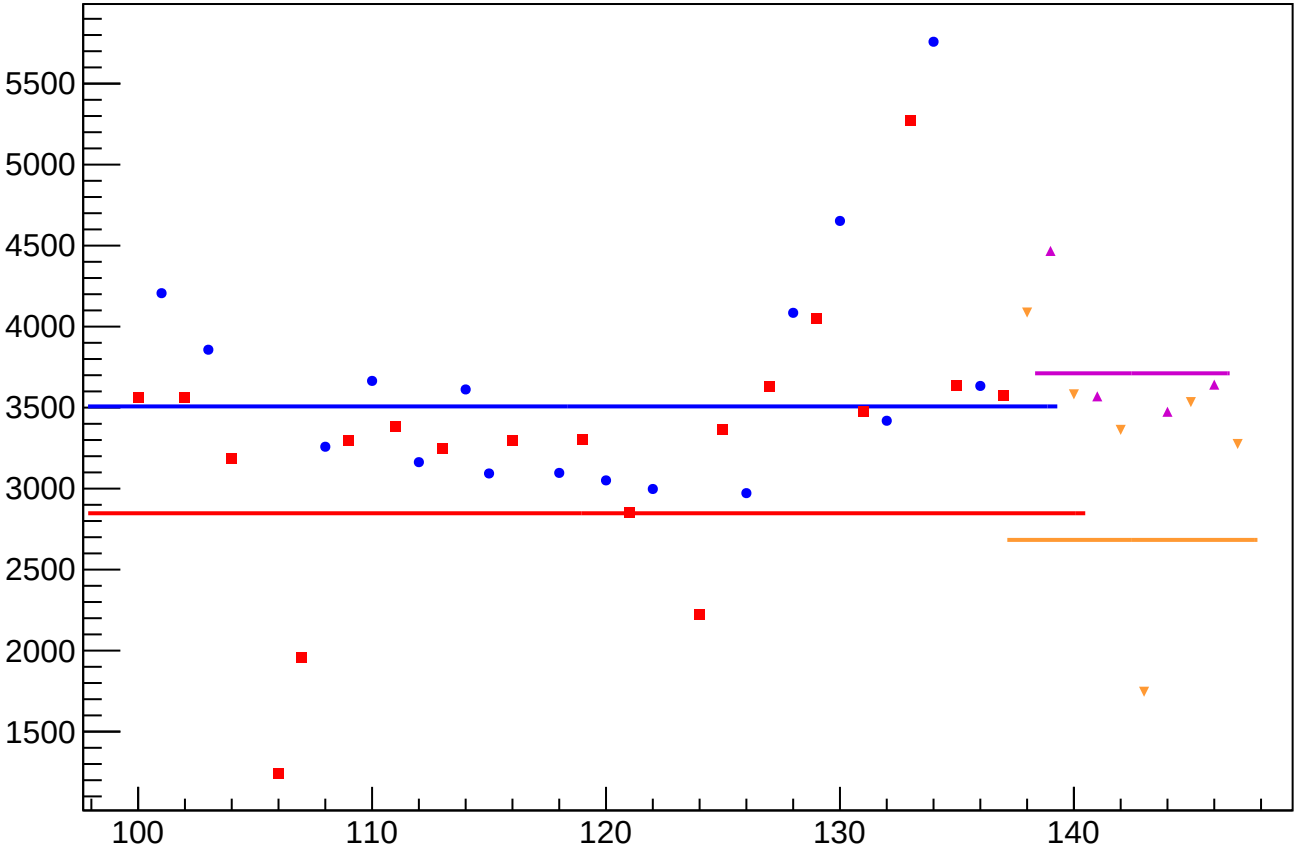
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 461.419+/-1103.139 χ^2/NDF:15.2/19

Out: -881.833+/-855.419 χ^2/NDF:25.7/24

All: -377.428+/-675.992 χ^2/NDF: 41.8/44

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2683.400+/-0.948 χ^2/NDF:935009.0/5

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

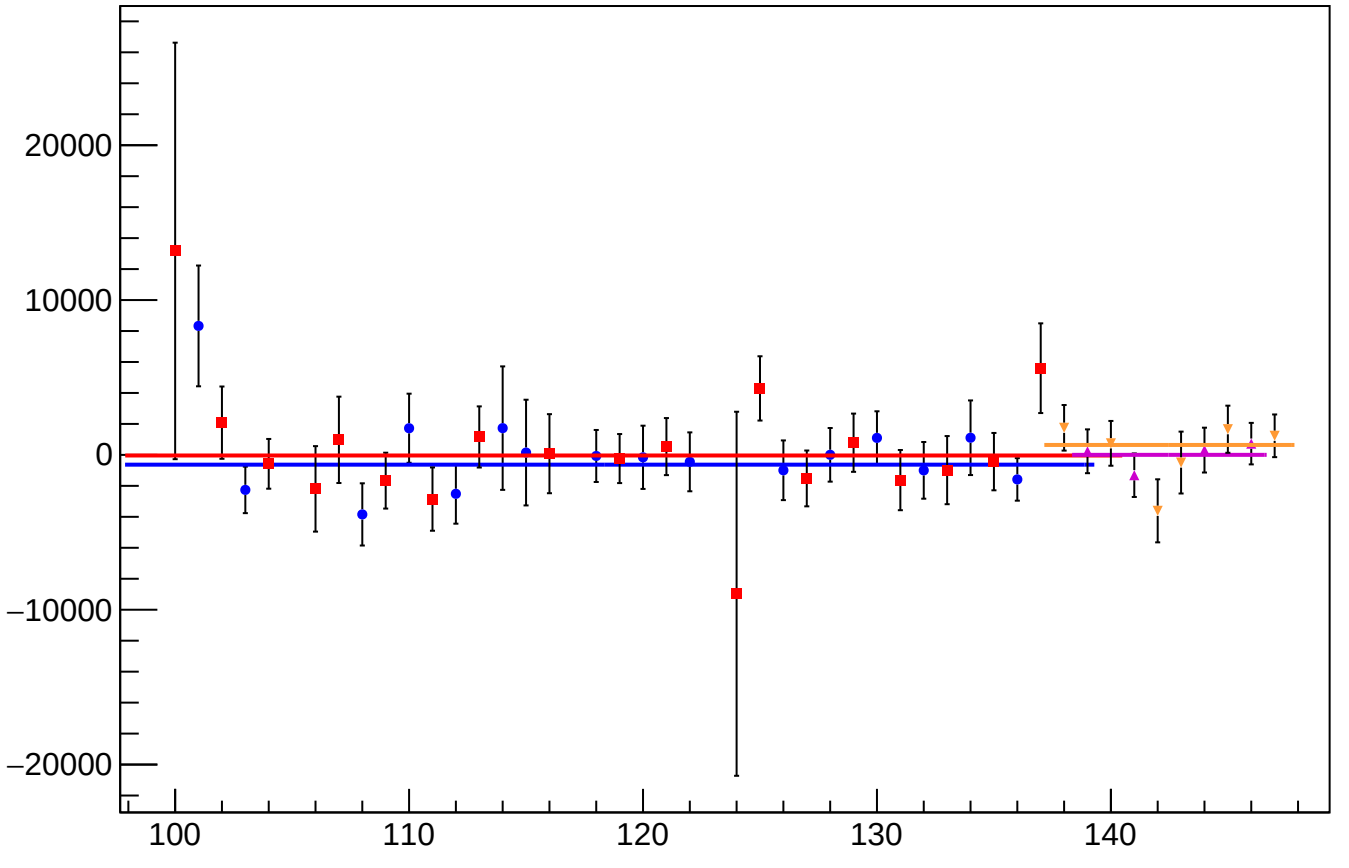
Left: 3004.236+/-0.786 χ^2/NDF: 1362253.3/9

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3570.151+/-0.780 χ^2/NDF:428590.0/19

Out: 2780.868+/-0.605 χ^2/NDF:2452222.0/24

All: 3077.252+/-0.478 χ^2/NDF: 3520193.9/44



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

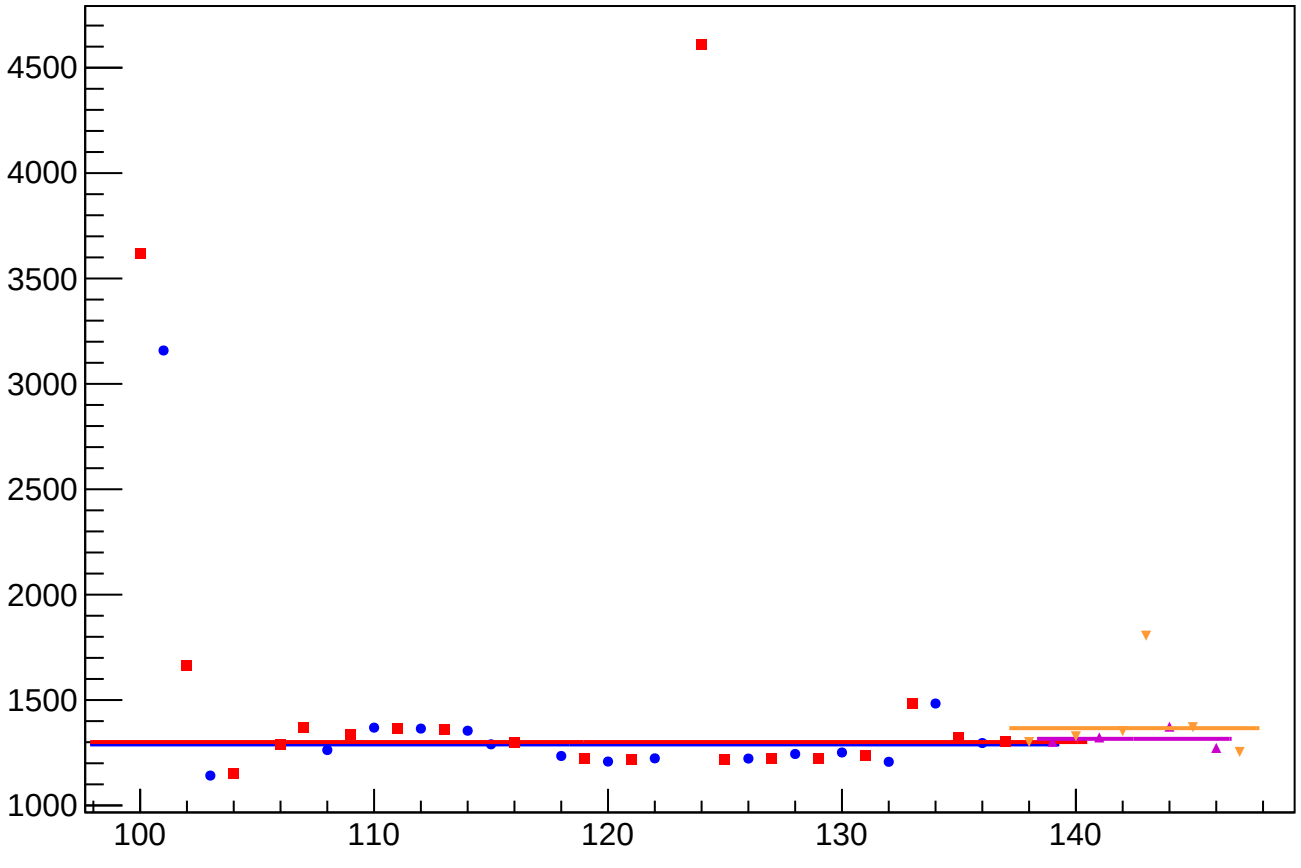
Left: 347.350+/-475.190 χ^2/NDF: 7.6/9

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -98.963+/-279.355 χ^2/NDF: 39.9/44



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

Left: 1343.279+/-0.336 χ^2/NDF: 126517.8/9

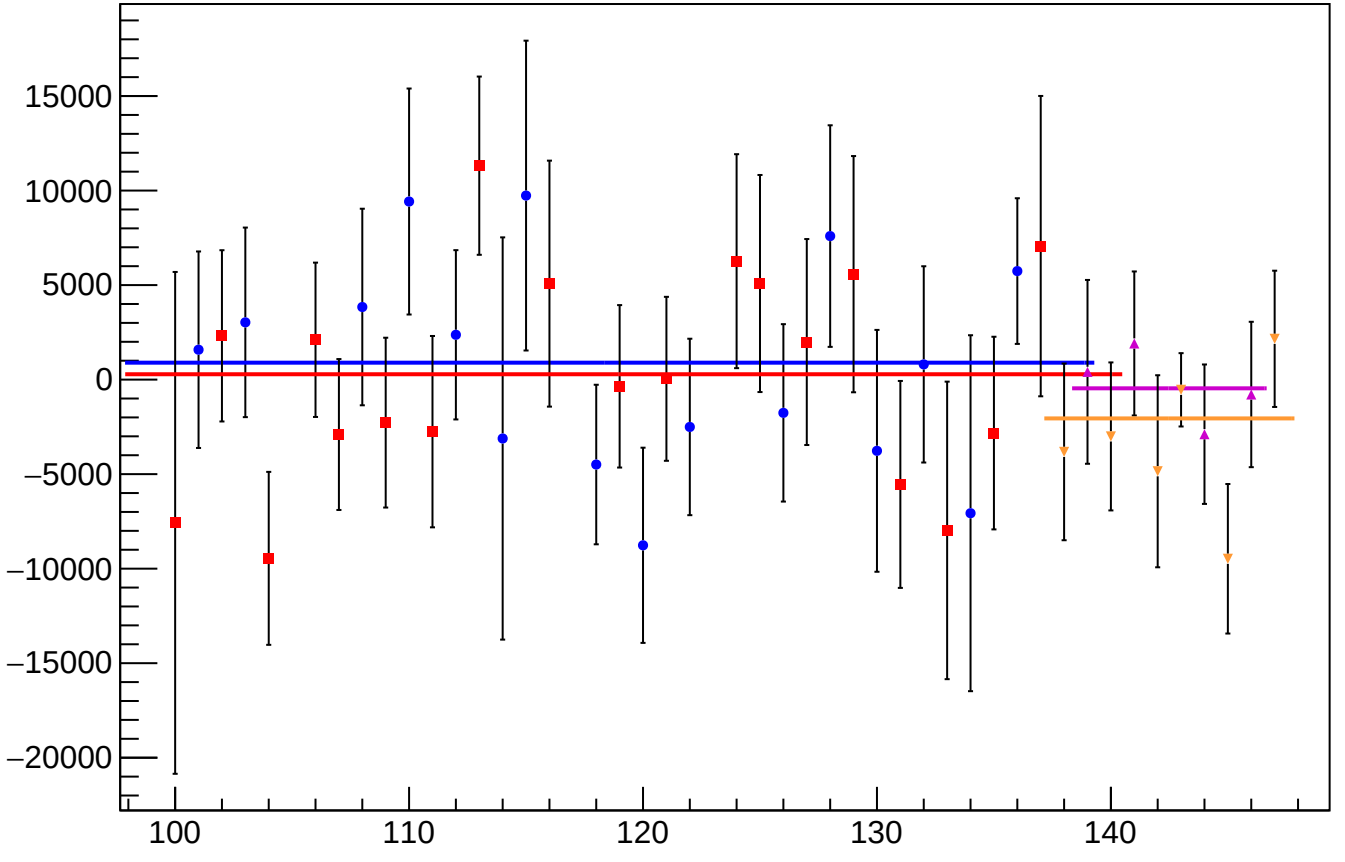
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

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: -2052.620+/-1340.437 χ^2/NDF:6.0/5

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -460.973+/-1990.504 χ^2/NDF:0.9/3

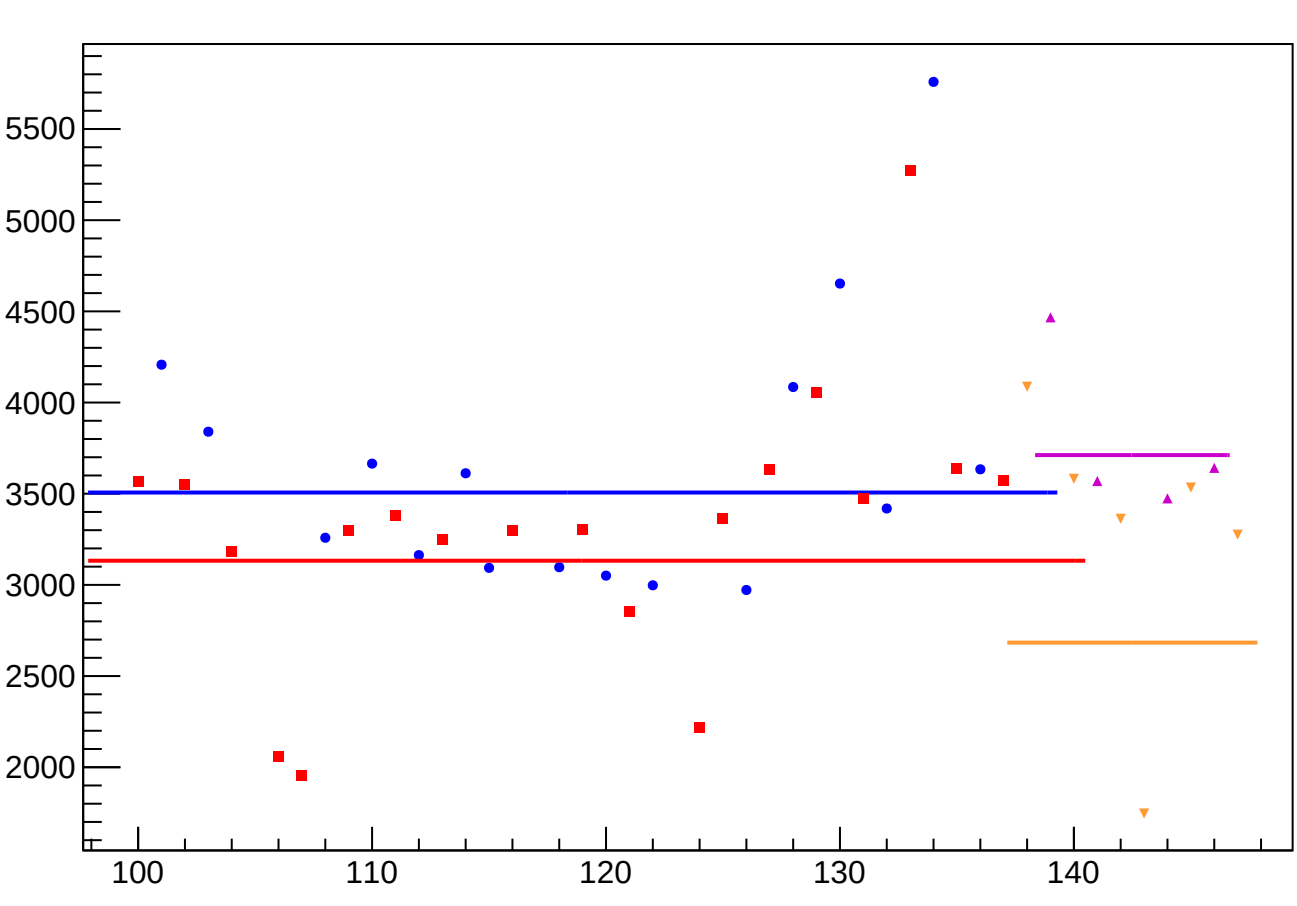
Left: -1556.026+/-1111.836 χ^2/NDF: 7.3/9

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 479.431+/-1102.876 χ^2/NDF:15.3/19

Out: -739.281+/-887.045 χ^2/NDF:26.3/24

All: -260.573+/-691.213 χ^2/NDF: 42.3/44



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

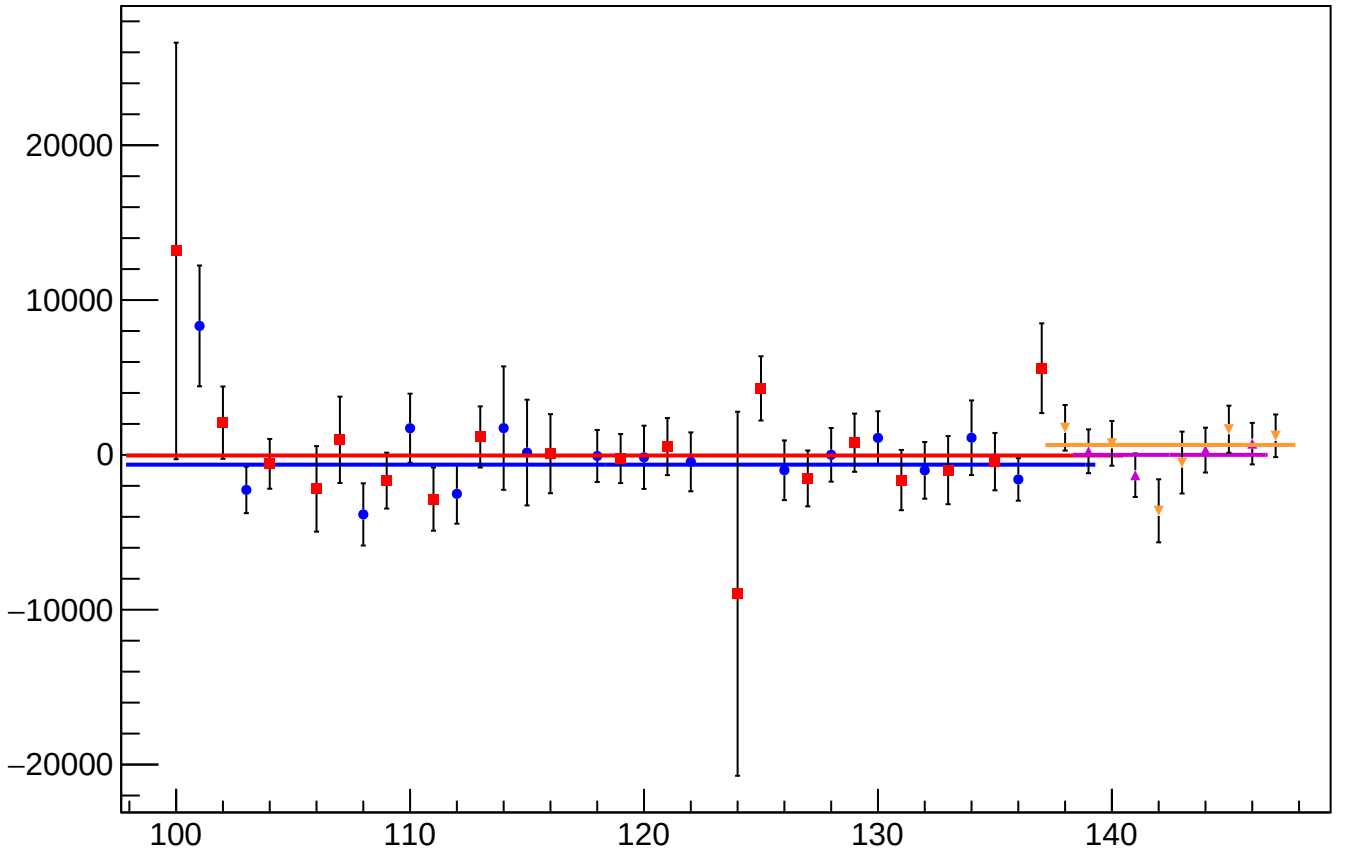
Left: 3004.225+/-0.786 χ^2/NDF: 1362271.8/9

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

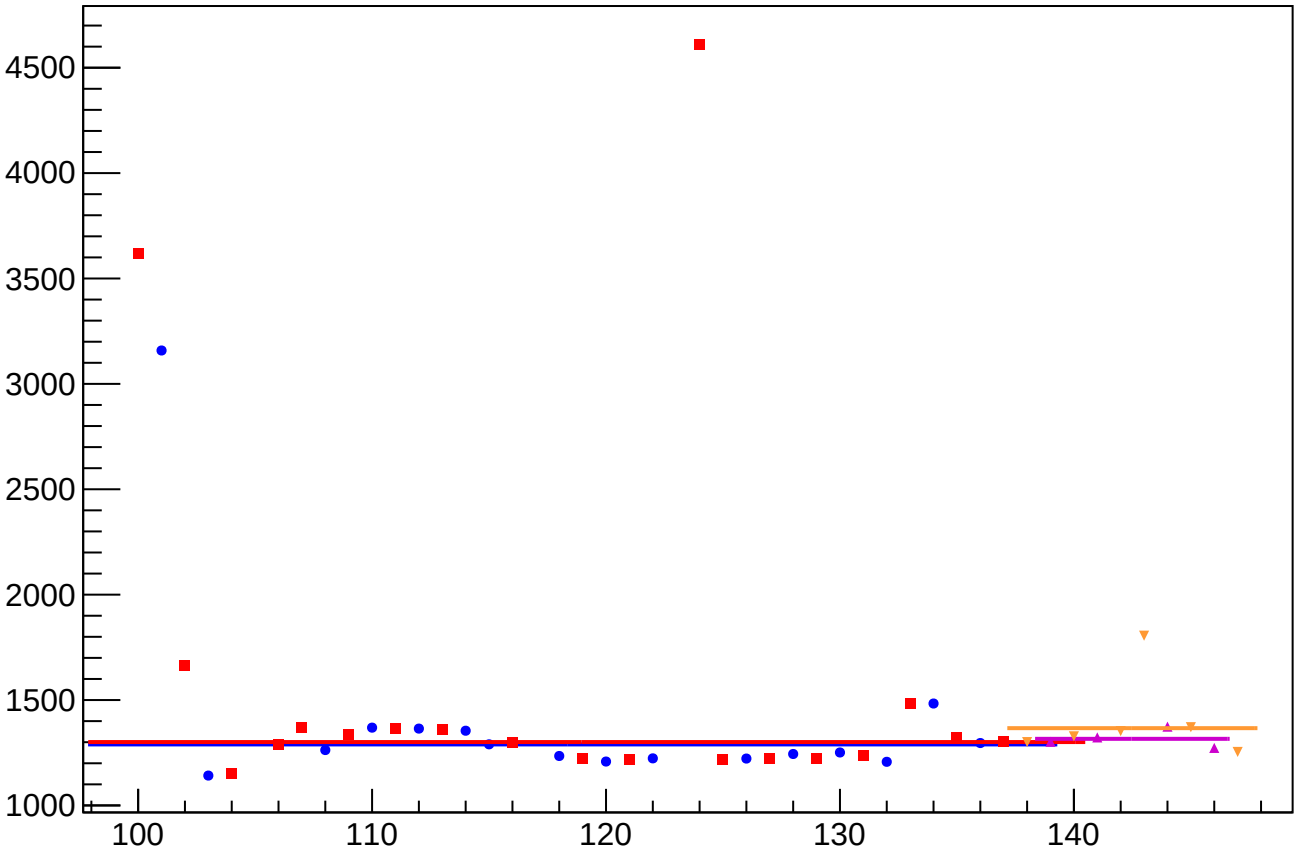
Left: 347.350+/-475.190 χ^2/NDF: 7.6/9

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -98.963+/-279.355 χ^2/NDF: 39.9/44



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

Left: 1343.279+/-0.336 χ^2/NDF: 126517.8/9

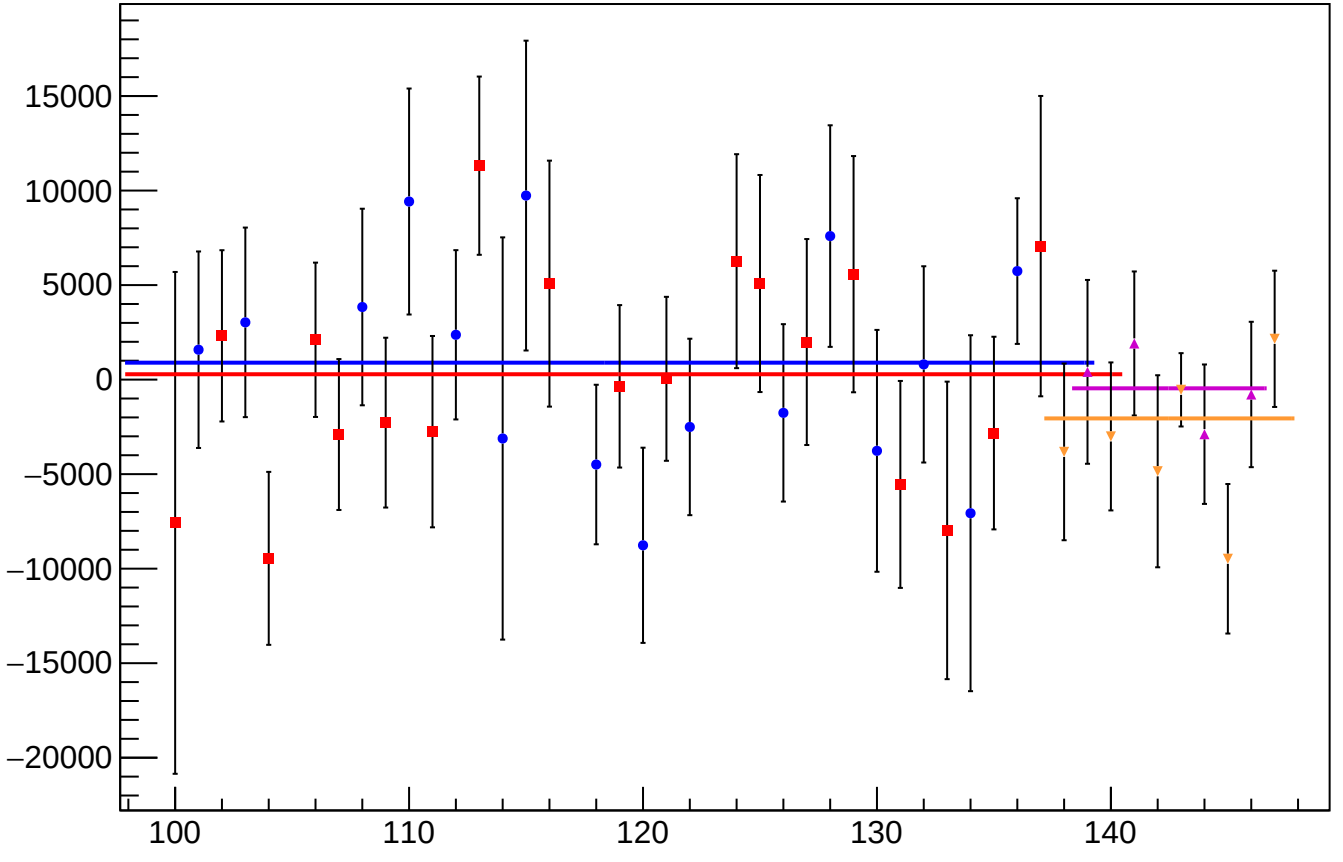
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -2052.620+/-1340.437 χ^2/NDF:6.0/5

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -460.973+/-1990.504 χ^2/NDF:0.9/3

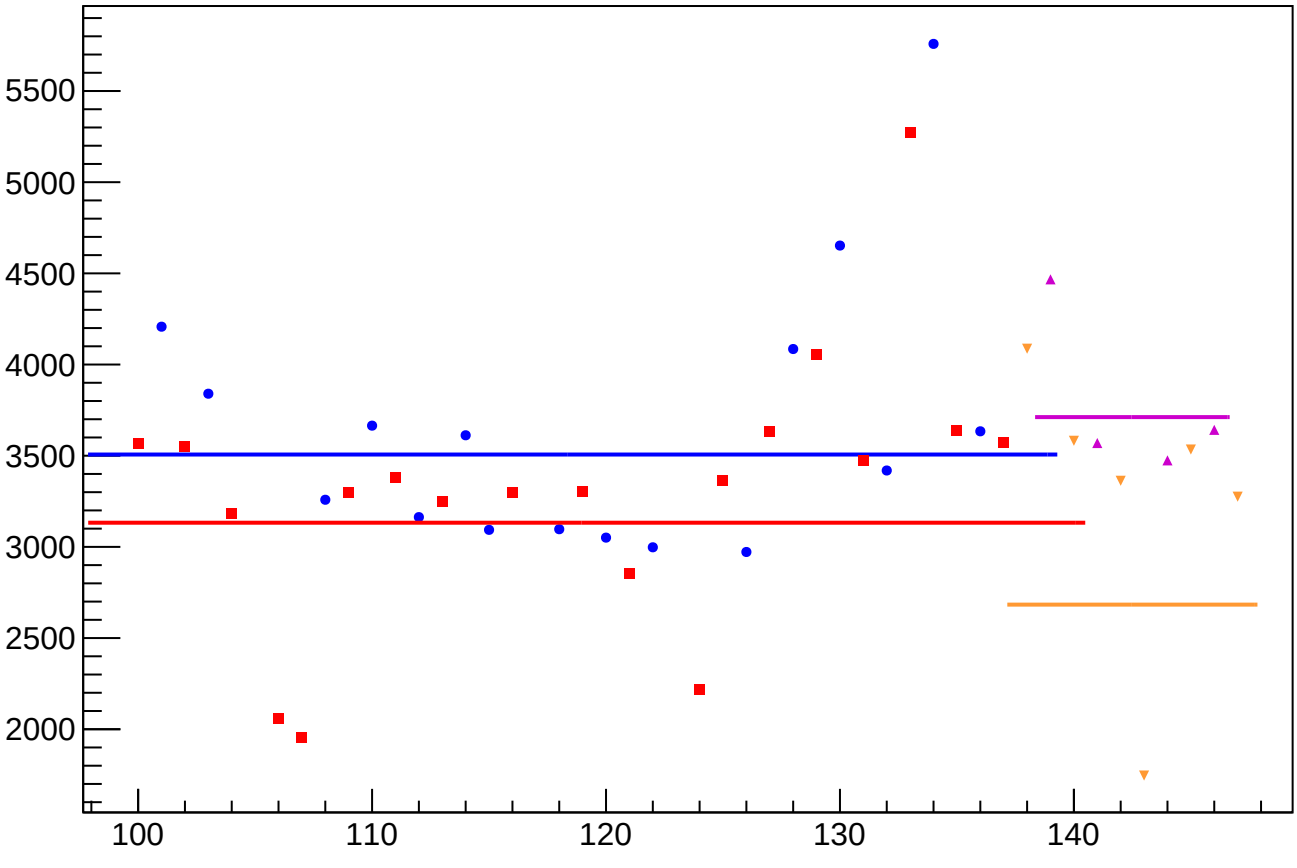
Left: -1556.026+/-1111.836 χ^2/NDF: 7.3/9

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 479.431+/-1102.876 χ^2/NDF:15.3/19

Out: -739.281+/-887.045 χ^2/NDF:26.3/24

All: -260.573+/-691.213 χ^2/NDF: 42.3/44



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

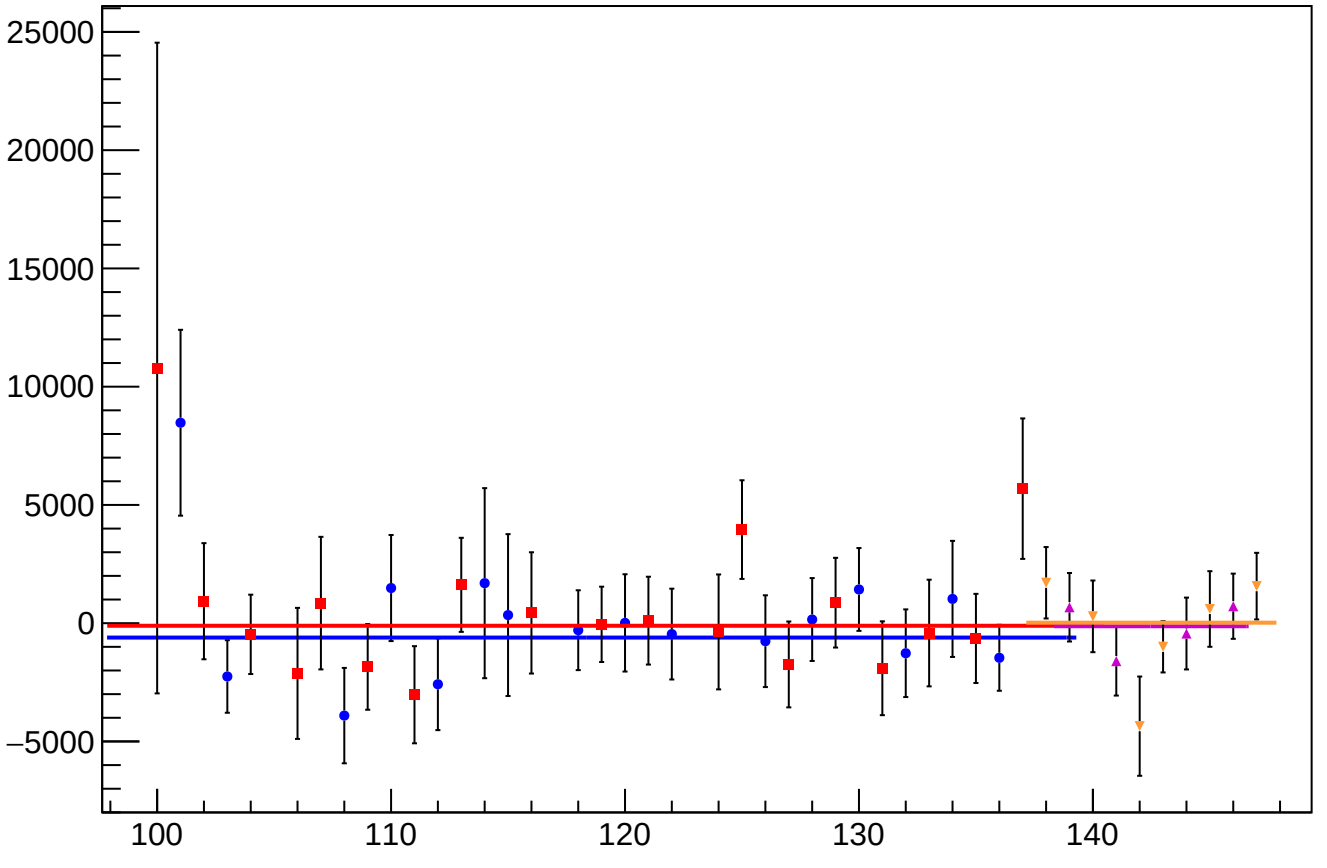
Left: 3004.225+/-0.786 χ^2/NDF: 1362271.8/9

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.528+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -129.181+/-723.926 χ^2/NDF:1.8/3

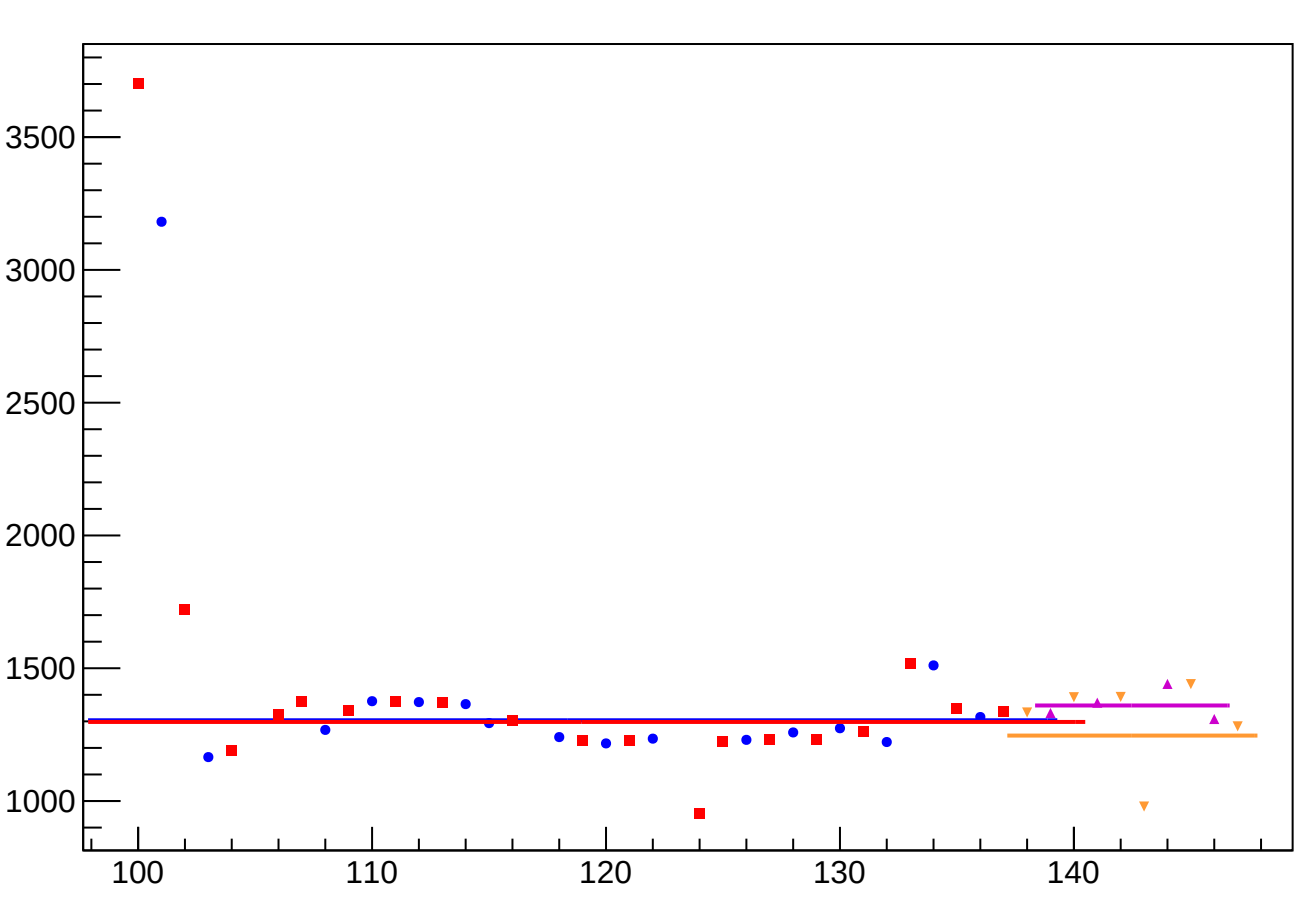
Left: -38.936+/-458.538 χ^2/NDF: 9.6/9

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -455.682+/-408.150 χ^2/NDF:16.2/19

Out: -56.334+/-375.571 χ^2/NDF:22.7/24

All: -239.436+/-276.370 χ^2/NDF: 39.4/44



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1246.466+/-0.419 χ^2/NDF:186568.7/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

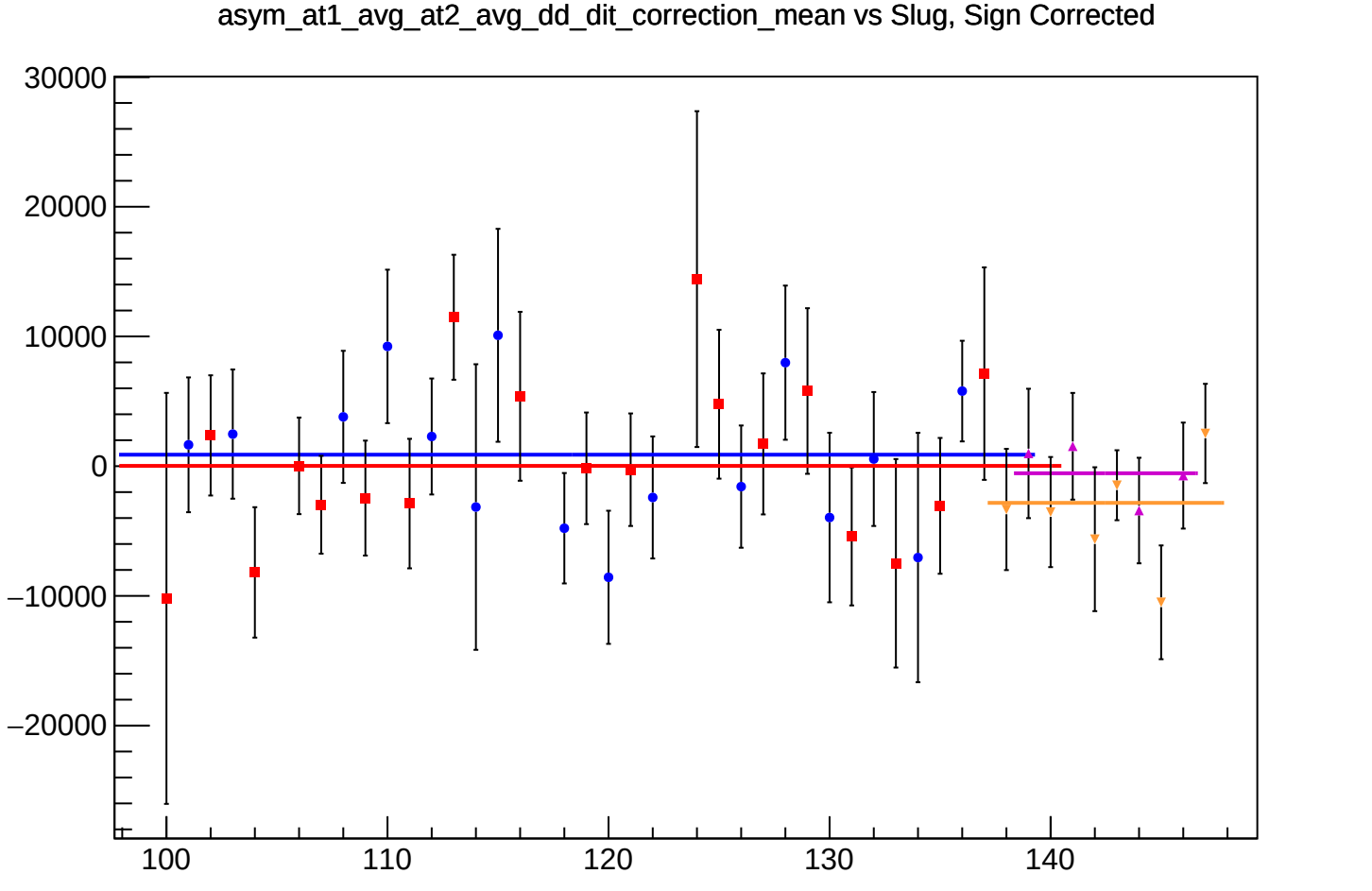
Left: 1291.926+/-0.324 χ^2/NDF: 225221.0/9

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1321.799+/-0.289 χ^2/NDF:527970.9/19

Out: 1277.195+/-0.265 χ^2/NDF:408649.6/24

All: 1297.636+/-0.195 χ^2/NDF: 949560.1/44



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -547.025+/-2134.009 χ^2/NDF:0.9/3

Left: -2009.324+/-1279.226 χ^2/NDF: 7.1/9

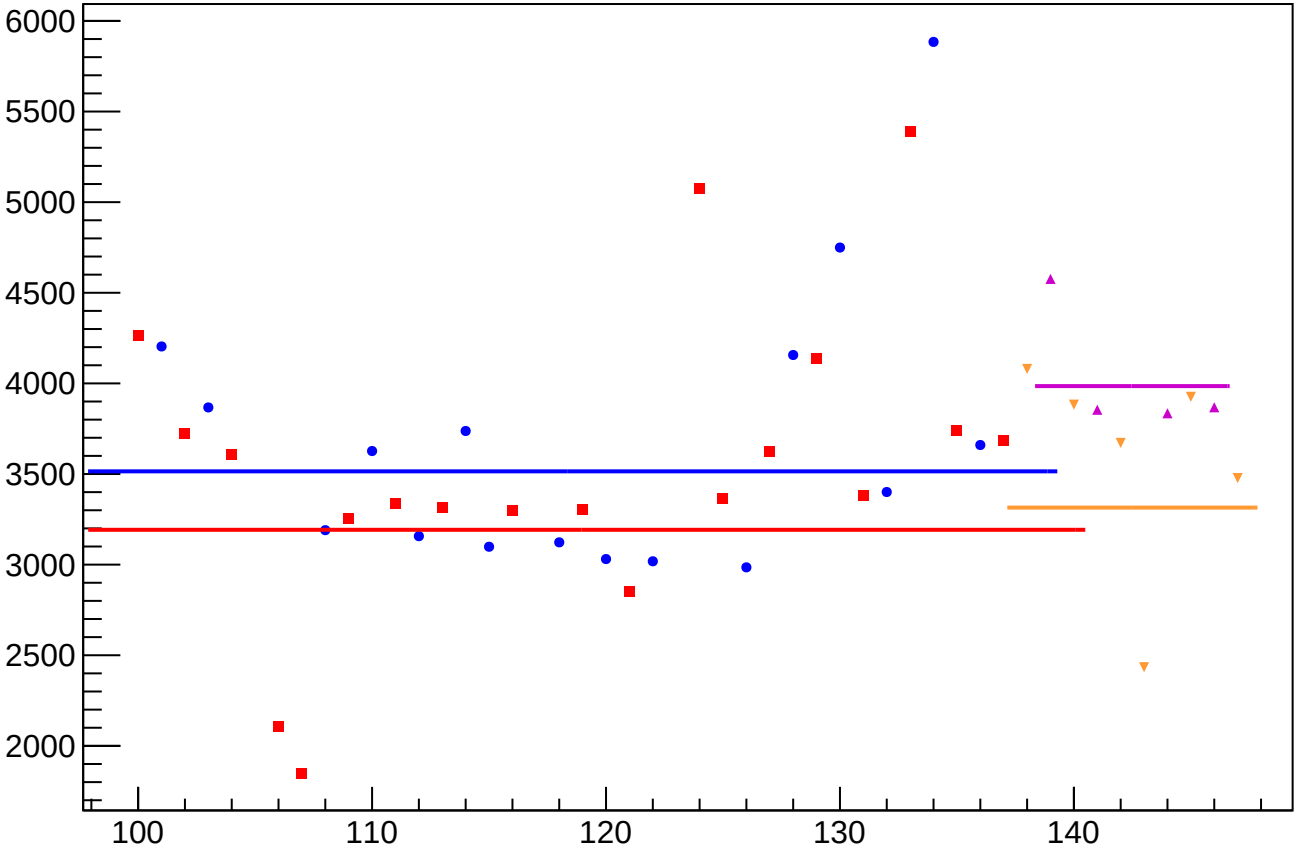
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 484.825+/-1127.138 χ^2/NDF:15.3/19

Out: -1006.876+/-959.619 χ^2/NDF:24.4/24

All: -380.009+/-730.675 χ^2/NDF: 40.7/44

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: 3314.764+/-1.130 χ^2/NDF:353402.5/5

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

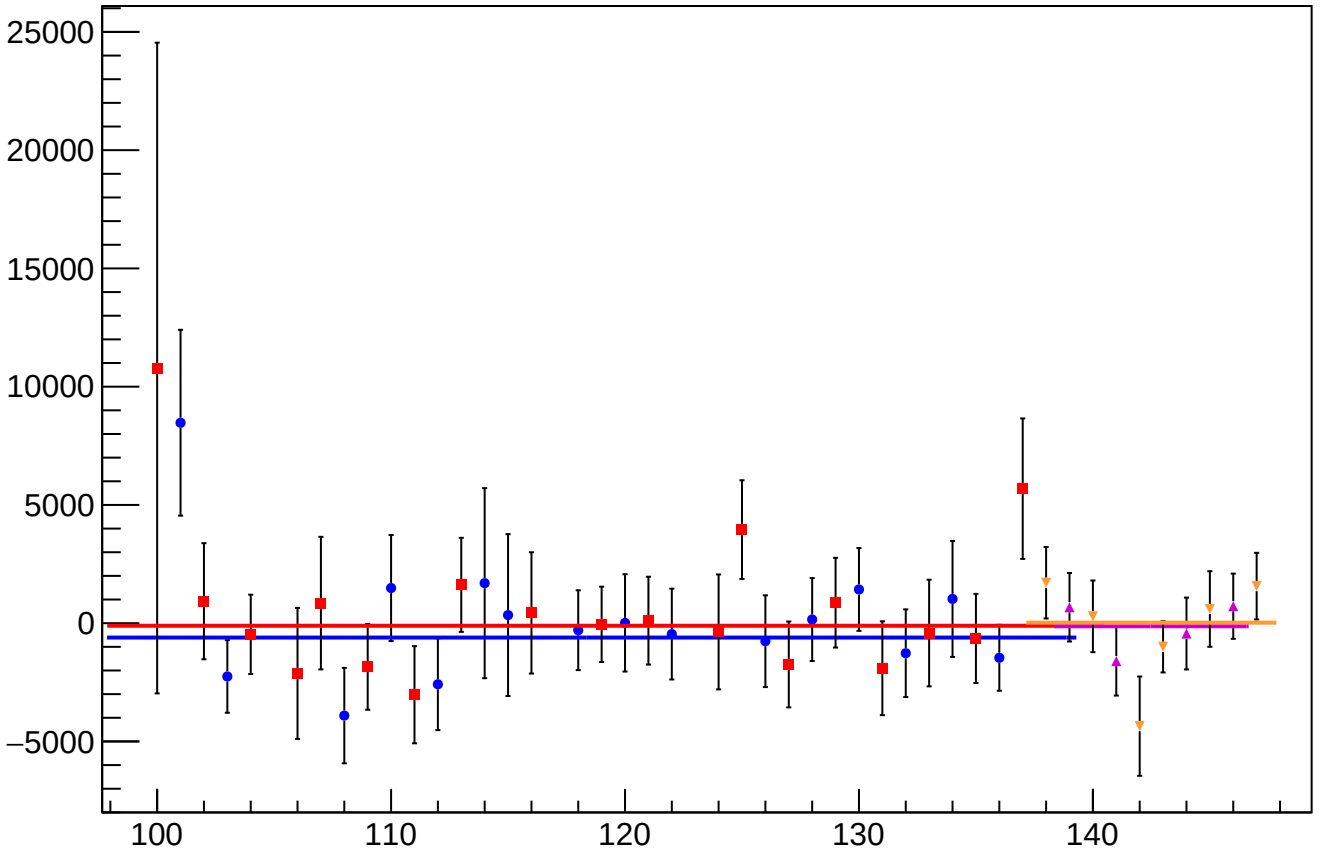
Left: 3555.635+/-0.905 χ^2/NDF: 514316.6/9

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3645.958+/-0.797 χ^2/NDF:479618.2/19

Out: 3236.389+/-0.679 χ^2/NDF:1133419.4/24

All: 3408.505+/-0.517 χ^2/NDF: 1766139.1/44



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -129.179+/-723.926 χ^2/NDF:1.8/3

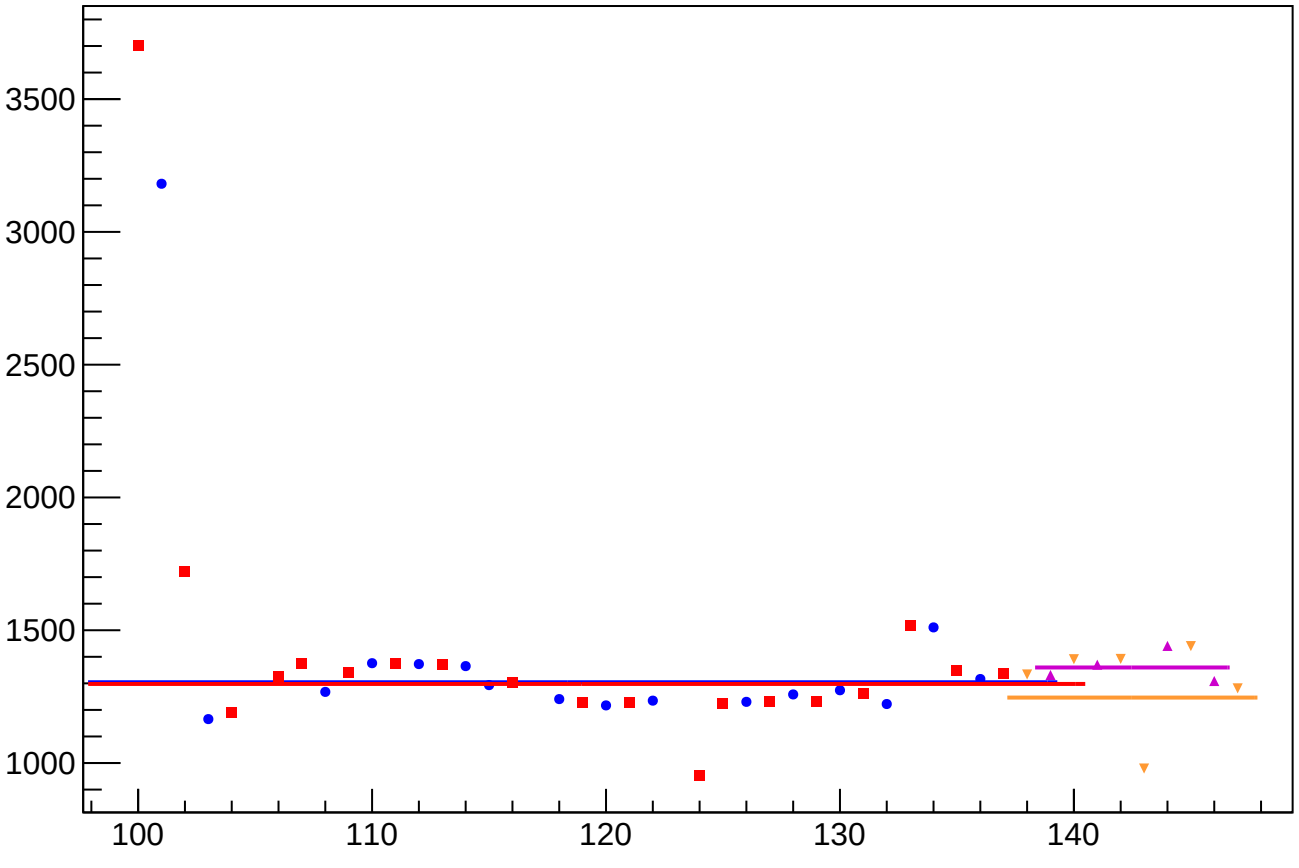
Left: -38.938+/-458.538 χ^2/NDF: 9.6/9

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -455.684+/-408.150 χ^2/NDF:16.2/19

Out: -56.339+/-375.571 χ^2/NDF:22.7/24

All: -239.439+/-276.370 χ^2/NDF: 39.4/44



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1246.467+/-0.419 χ^2/NDF:186569.0/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

Left: 1291.927+/-0.324 χ^2/NDF: 225221.3/9

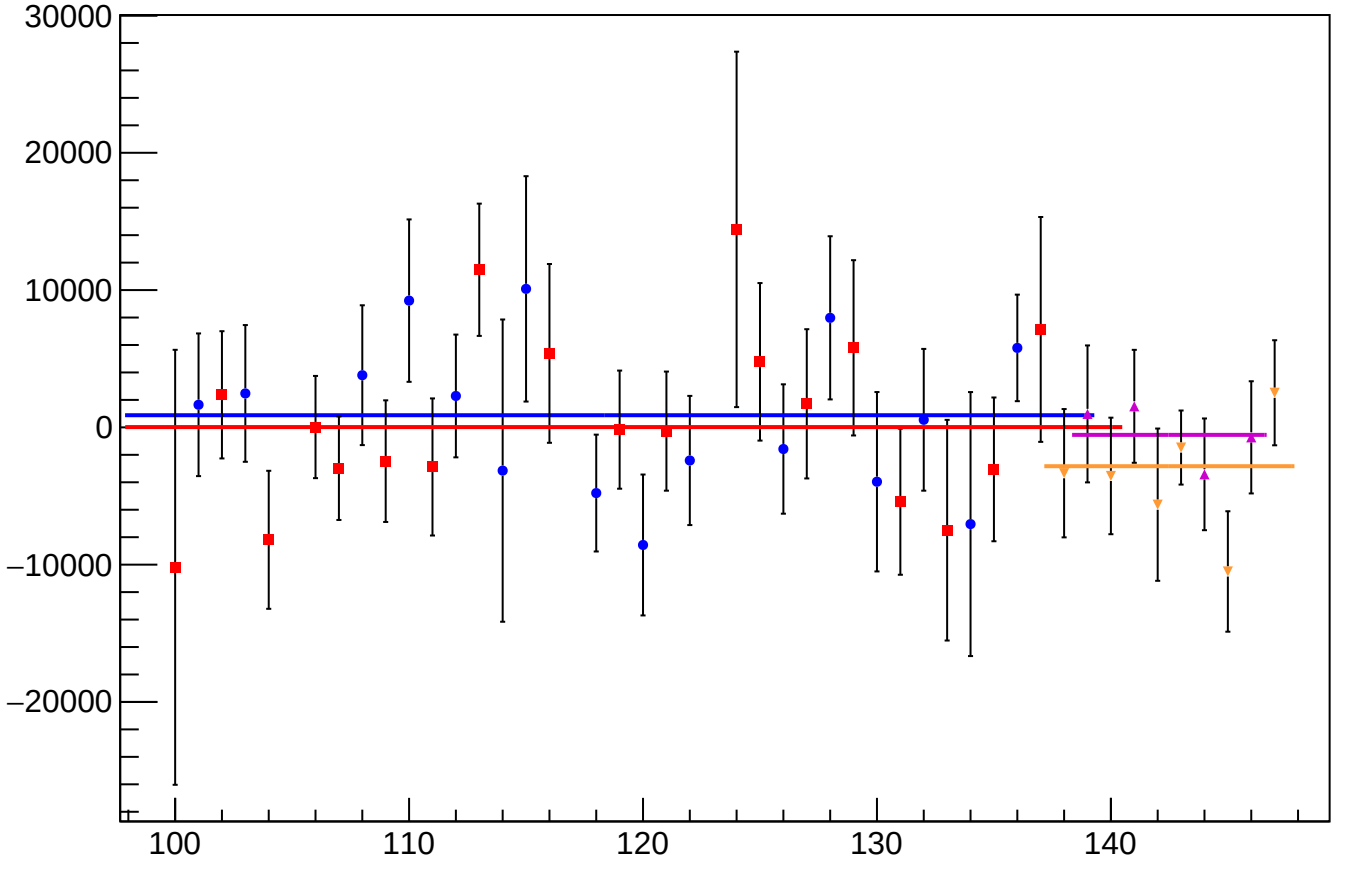
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1321.799+/-0.289 χ^2/NDF:527971.4/19

Out: 1277.195+/-0.265 χ^2/NDF:408649.7/24

All: 1297.636+/-0.195 χ^2/NDF: 949560.6/44

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -547.021+/-2134.013 χ^2/NDF:0.9/3

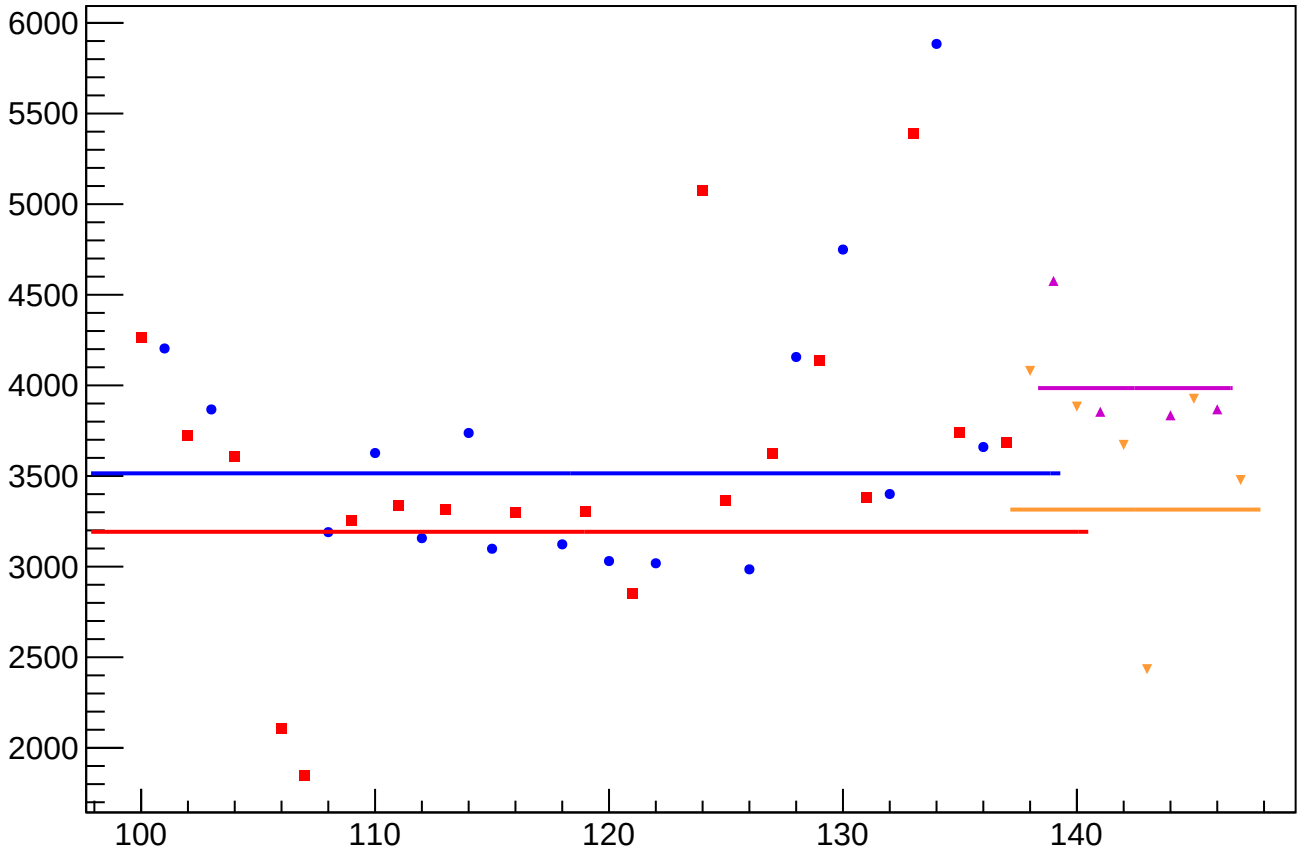
Left: -2009.323+/-1279.228 χ^2/NDF: 7.1/9

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 484.820+/-1127.137 χ^2/NDF:15.3/19

Out: -1006.874+/-959.618 χ^2/NDF:24.4/24

All: -380.009+/-730.674 χ^2/NDF: 40.7/44



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3314.769+/-1.130 χ^2/NDF:353403.2/5

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

Left: 3555.641+/-0.905 χ^2/NDF: 514318.1/9

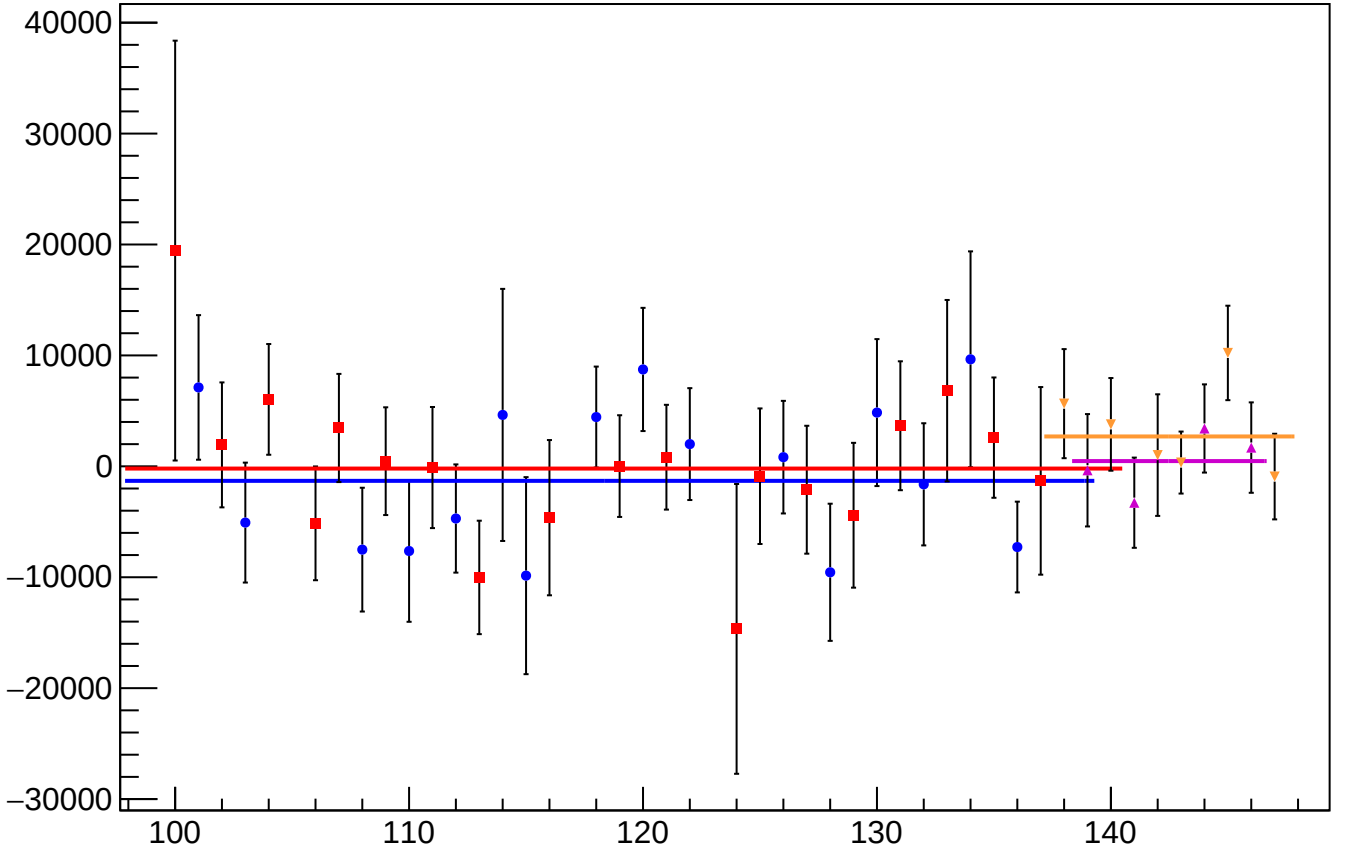
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3645.952+/-0.797 χ^2/NDF:479627.6/19

Out: 3236.386+/-0.679 χ^2/NDF:1133423.9/24

All: 3408.501+/-0.517 χ^2/NDF: 1766151.8/44

asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2693.475+/-1617.614 χ^2/NDF:5.2/5

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 473.106+/-2118.256 χ^2/NDF:1.5/3

Left: 1875.592+/-1285.617 χ^2/NDF: 7.4/9

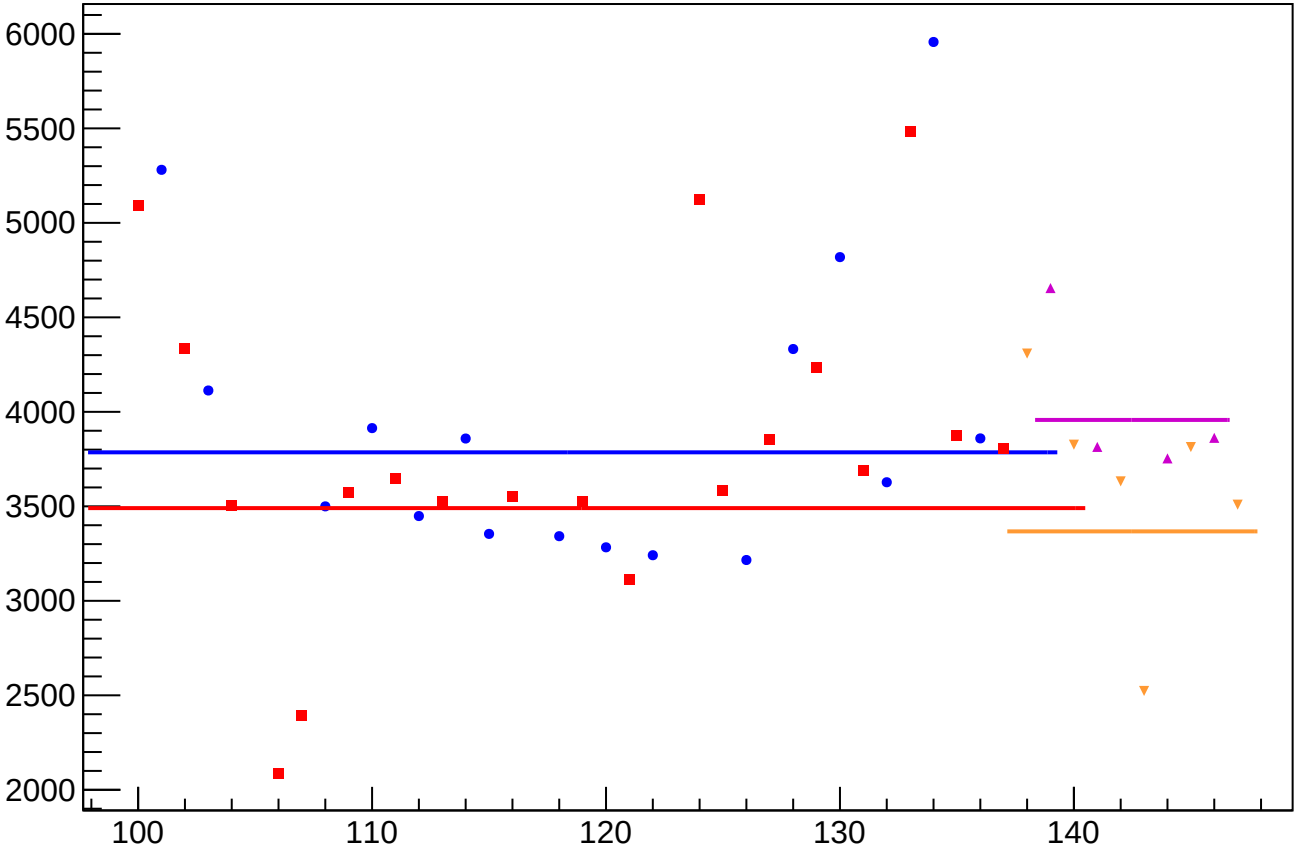
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -750.457+/-1186.132 χ^2/NDF:19.6/19

Out: 972.460+/-1030.124 χ^2/NDF:18.8/24

All: 231.684+/-777.758 χ^2/NDF: 39.6/44

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: 3367.456+/-1.144 χ^2/NDF:309162.1/5

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

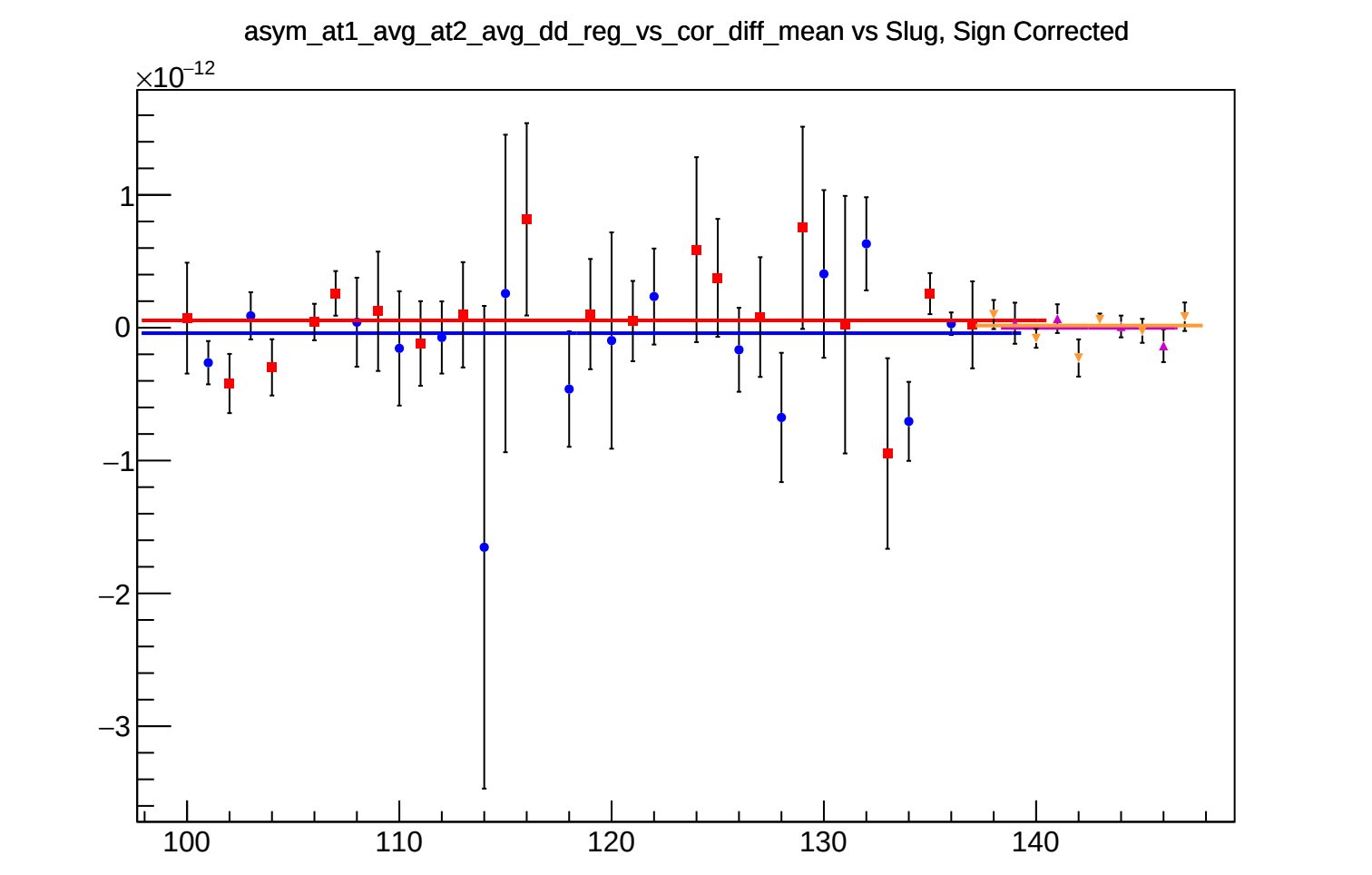
Left: 3584.704+/-0.909 χ^2/NDF: 453824.0/9

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3839.535+/-0.839 χ^2/NDF:438717.7/19

Out: 3441.482+/-0.722 χ^2/NDF:902845.5/24

All: 3611.029+/-0.547 χ^2/NDF: 1470866.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

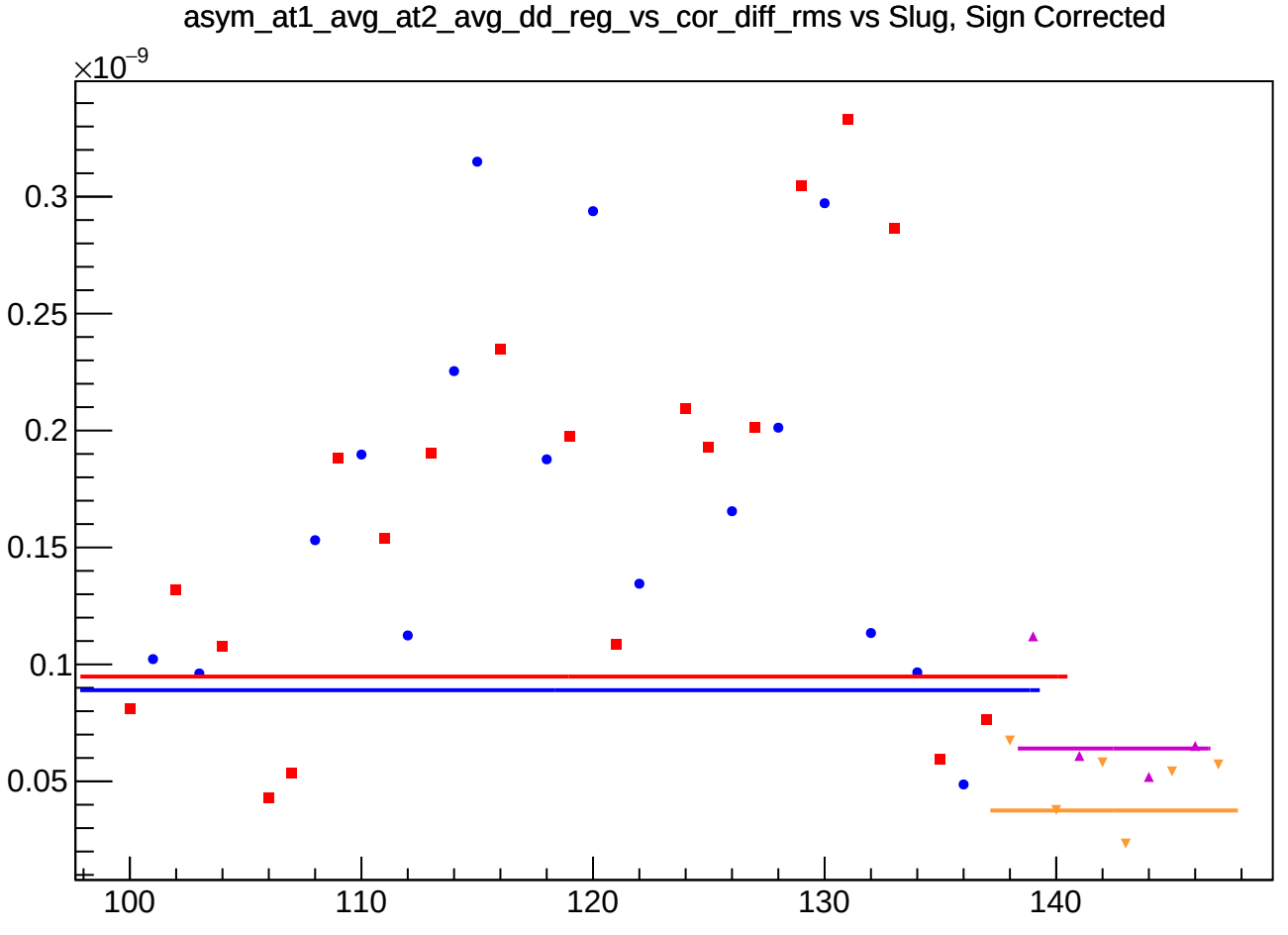
Left: 0.000+/-0.000 χ^2/NDF: 8.9/9

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:18.6/19

Out: 0.000+/-0.000 χ^2/NDF:23.3/24

All: 0.000+/-0.000 χ^2/NDF: 42.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

Left: 0.000+/-0.000 χ^2/NDF: 1136058.7/9

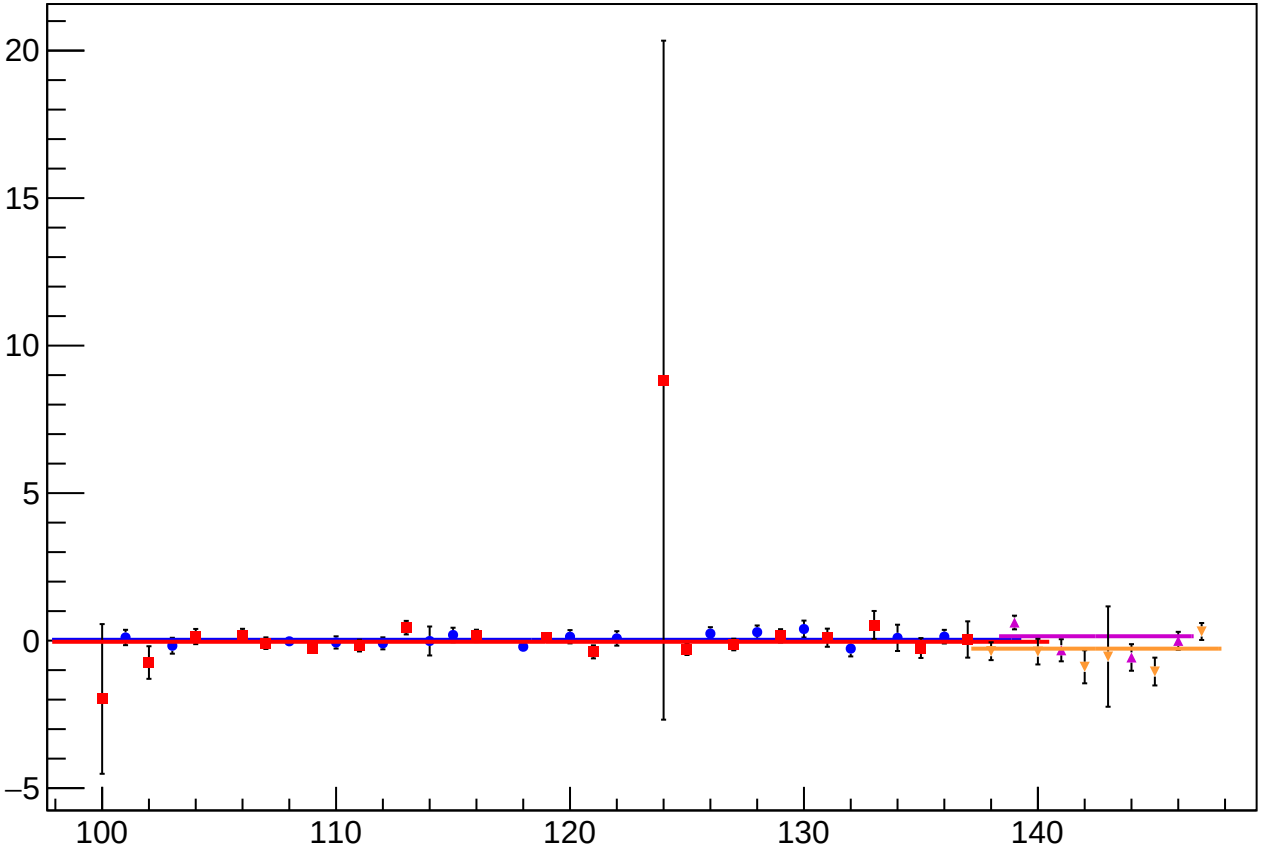
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1892769.8/19

Out: 0.000+/-0.000 χ^2/NDF:3572562.2/24

All: 0.000+/-0.000 χ^2/NDF: 6091735.2/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

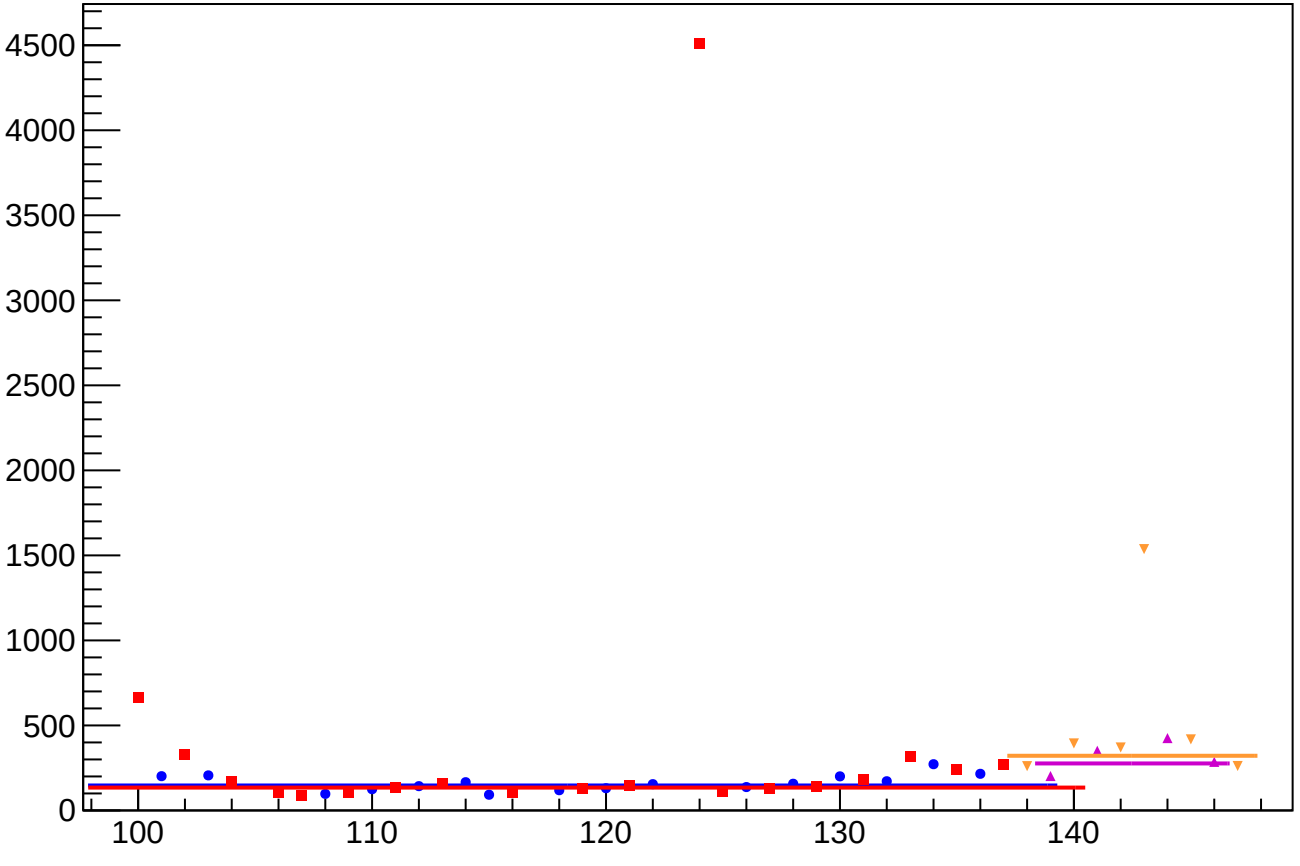
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

Left: 297.611+/-0.080 χ^2/NDF: 1925516.1/9

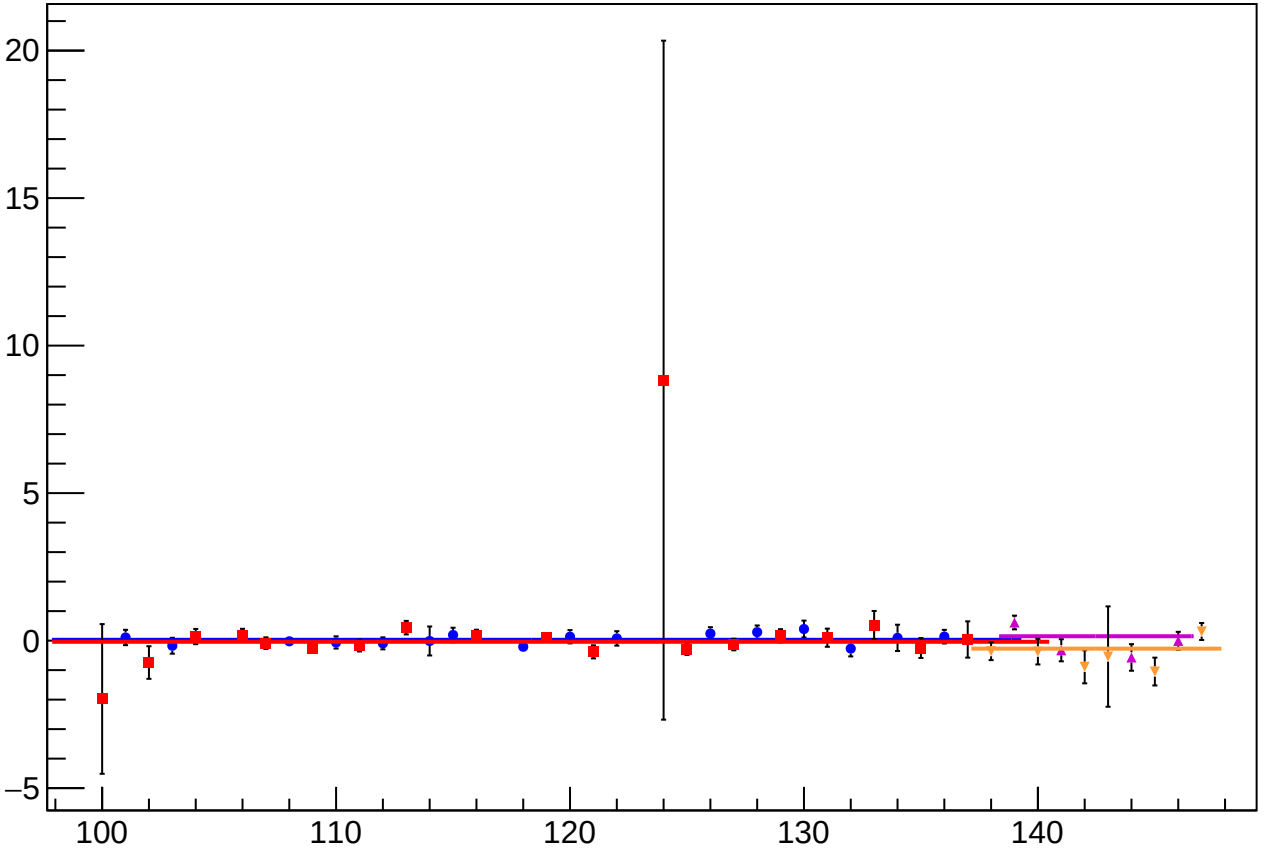
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

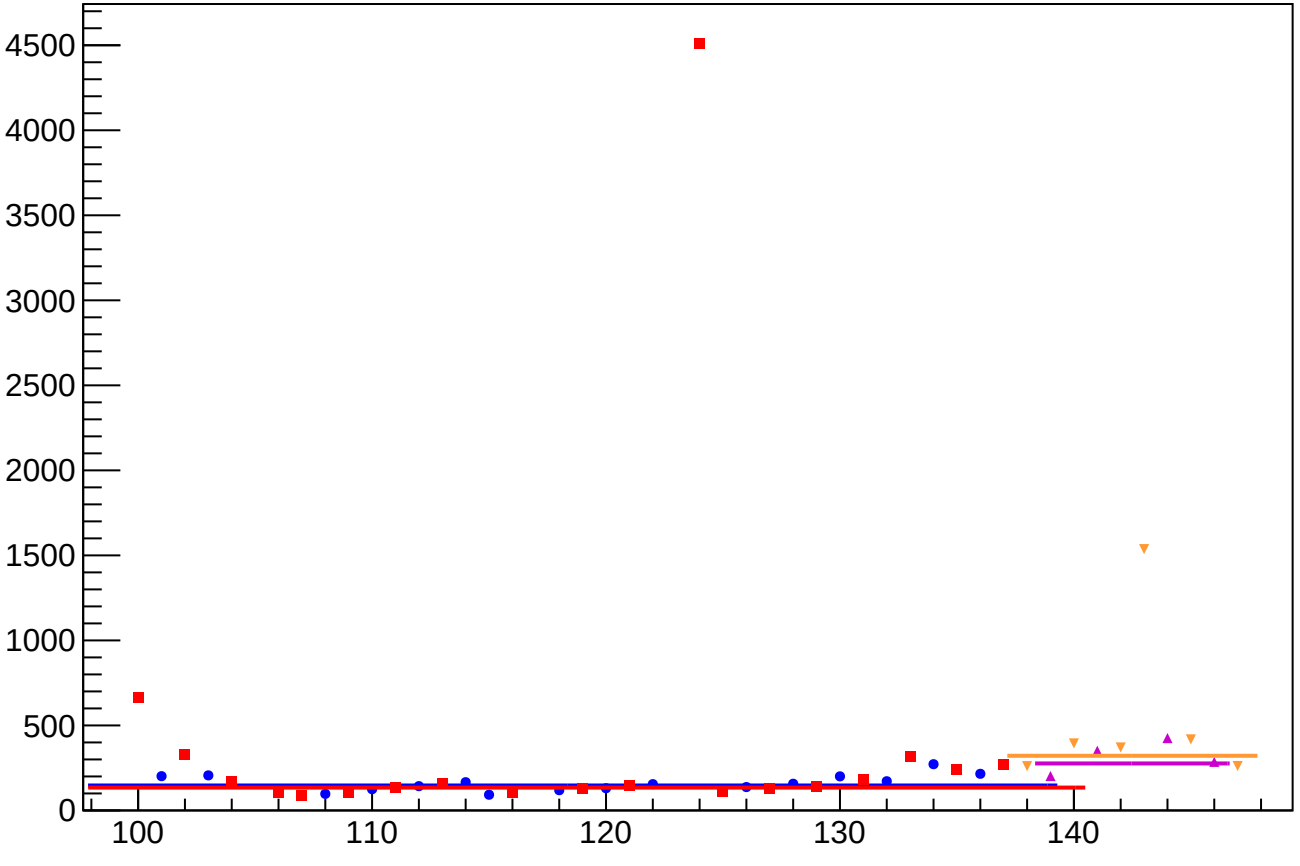
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

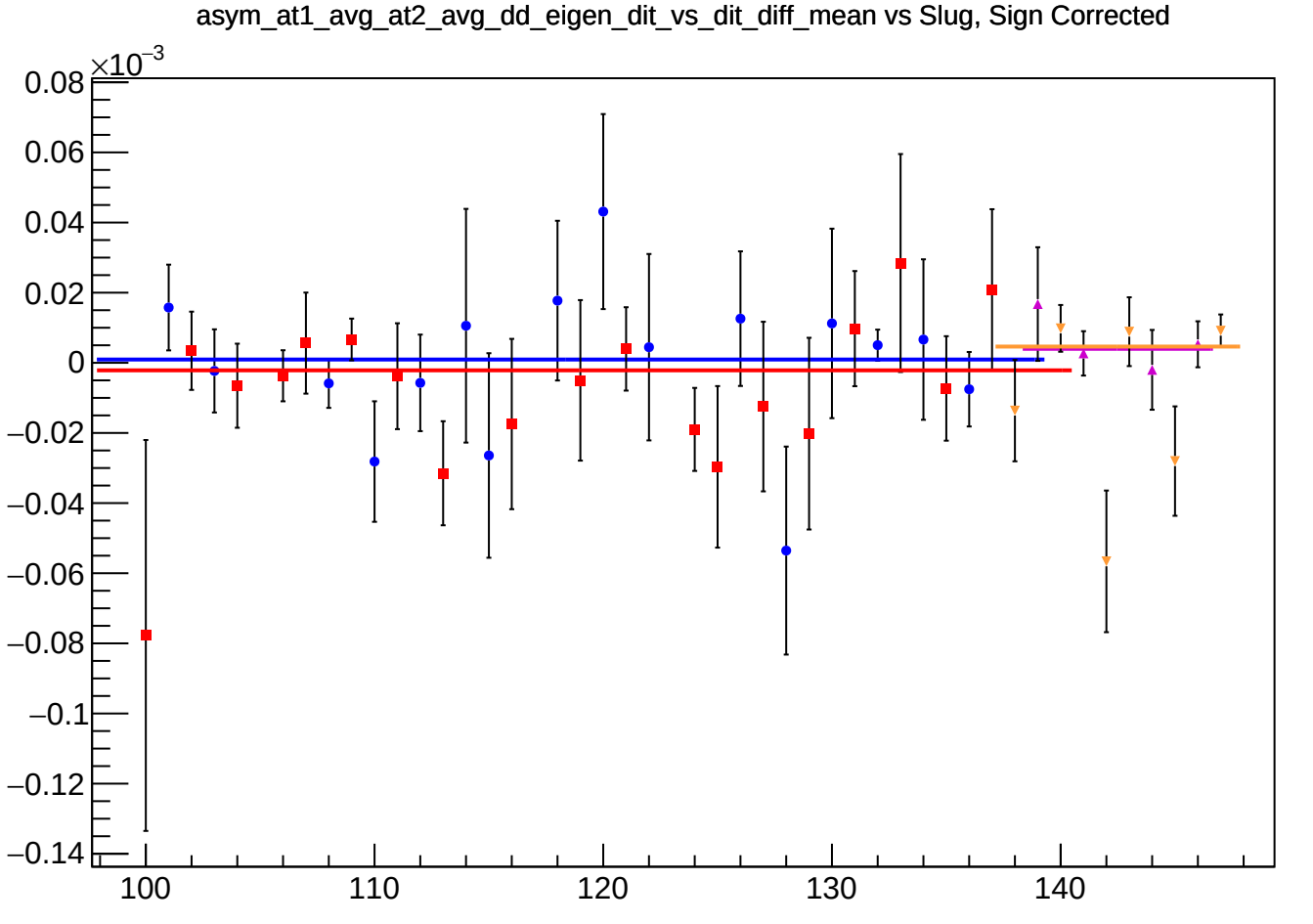
Left: 297.611+/-0.080 χ^2/NDF: 1925516.1/9

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

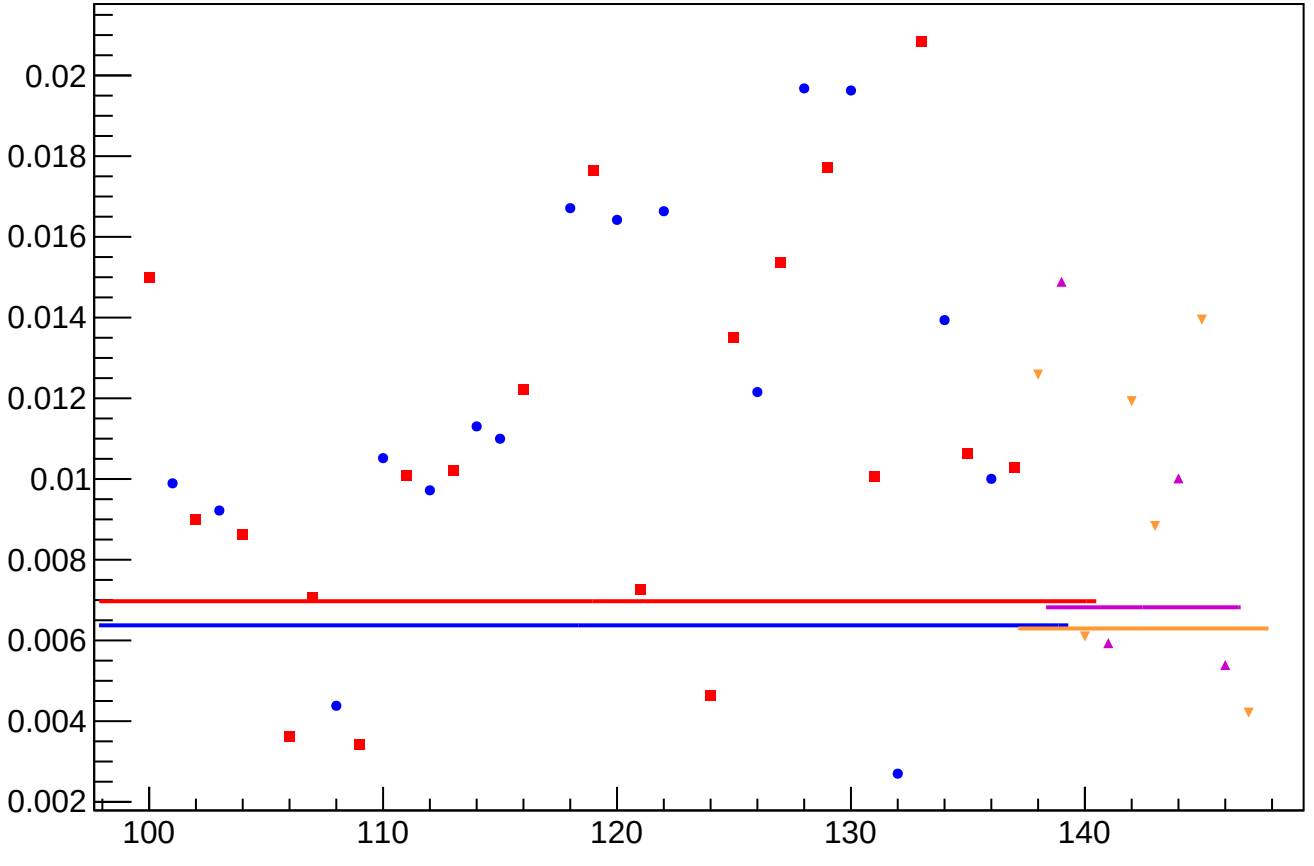
In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44


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
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:16.9/5
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:1.0/3
Left: 0.000+/-0.000 χ²/NDF: 17.9/9
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:16.2/19
Out: 0.000+/-0.000 χ²/NDF:35.3/24
All: 0.000+/-0.000 χ²/NDF: 51.6/44

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1557715.0/5

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

Left: 0.007+/-0.000 χ^2/NDF: 2365957.8/9

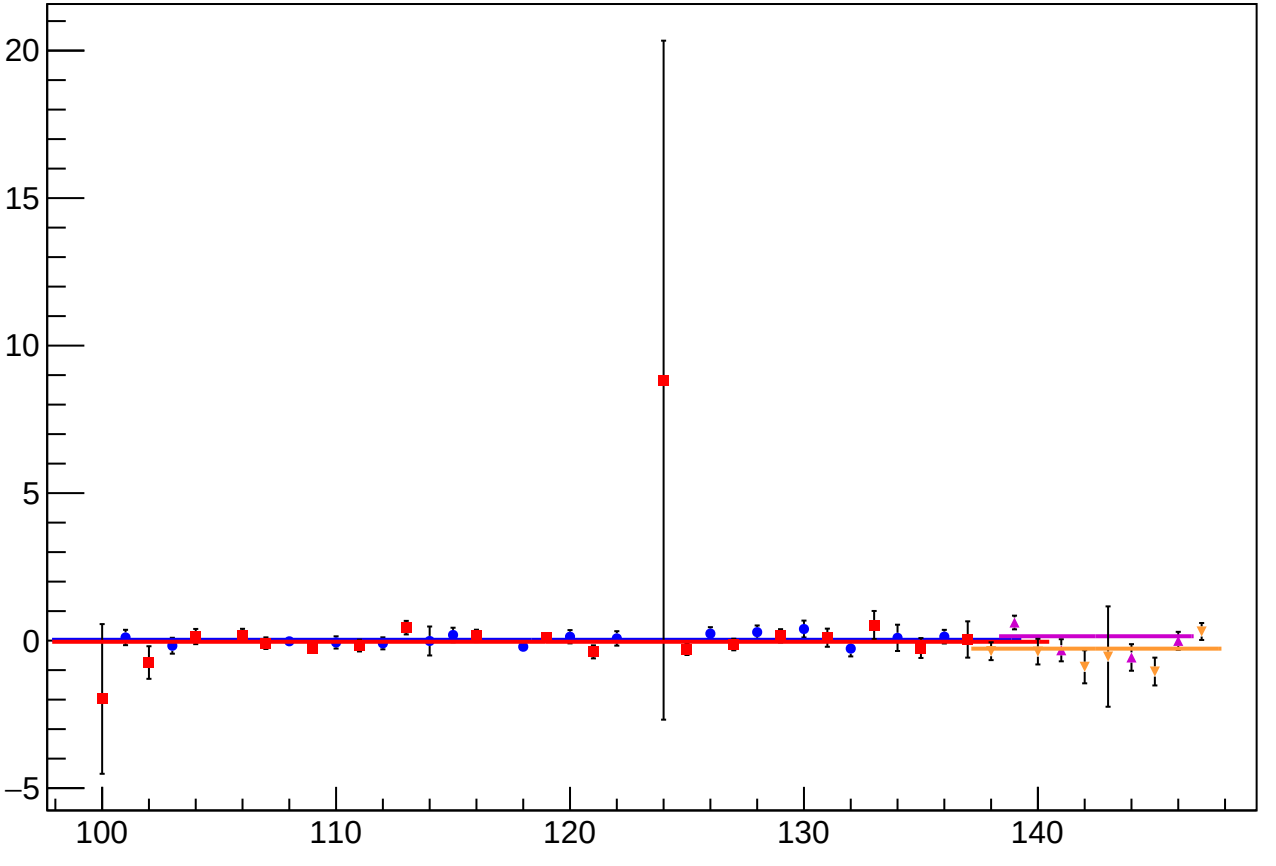
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5443979.9/19

Out: 0.007+/-0.000 χ^2/NDF:5013010.4/24

All: 0.007+/-0.000 χ^2/NDF: 10460718.8/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

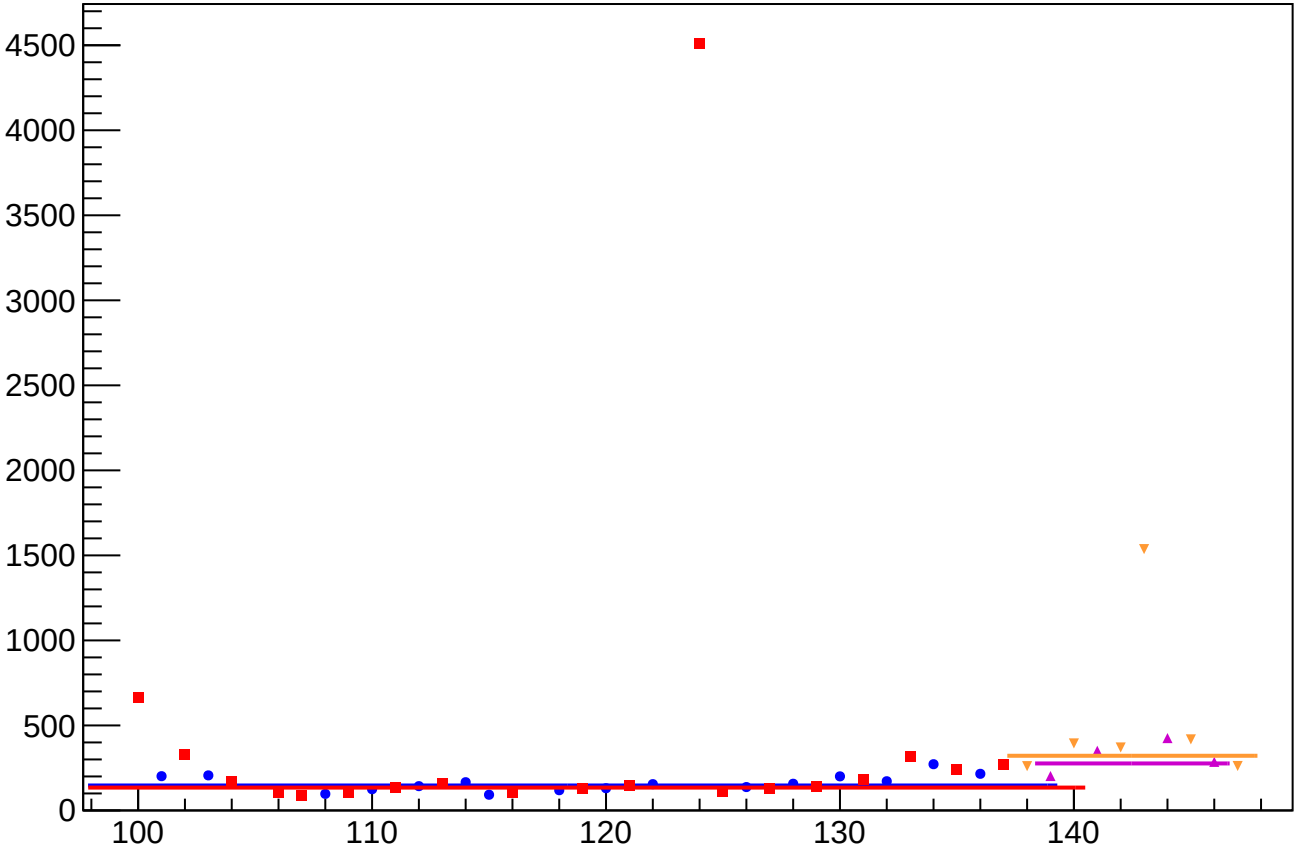
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

Left: 297.615+/-0.080 χ^2/NDF: 1925490.3/9

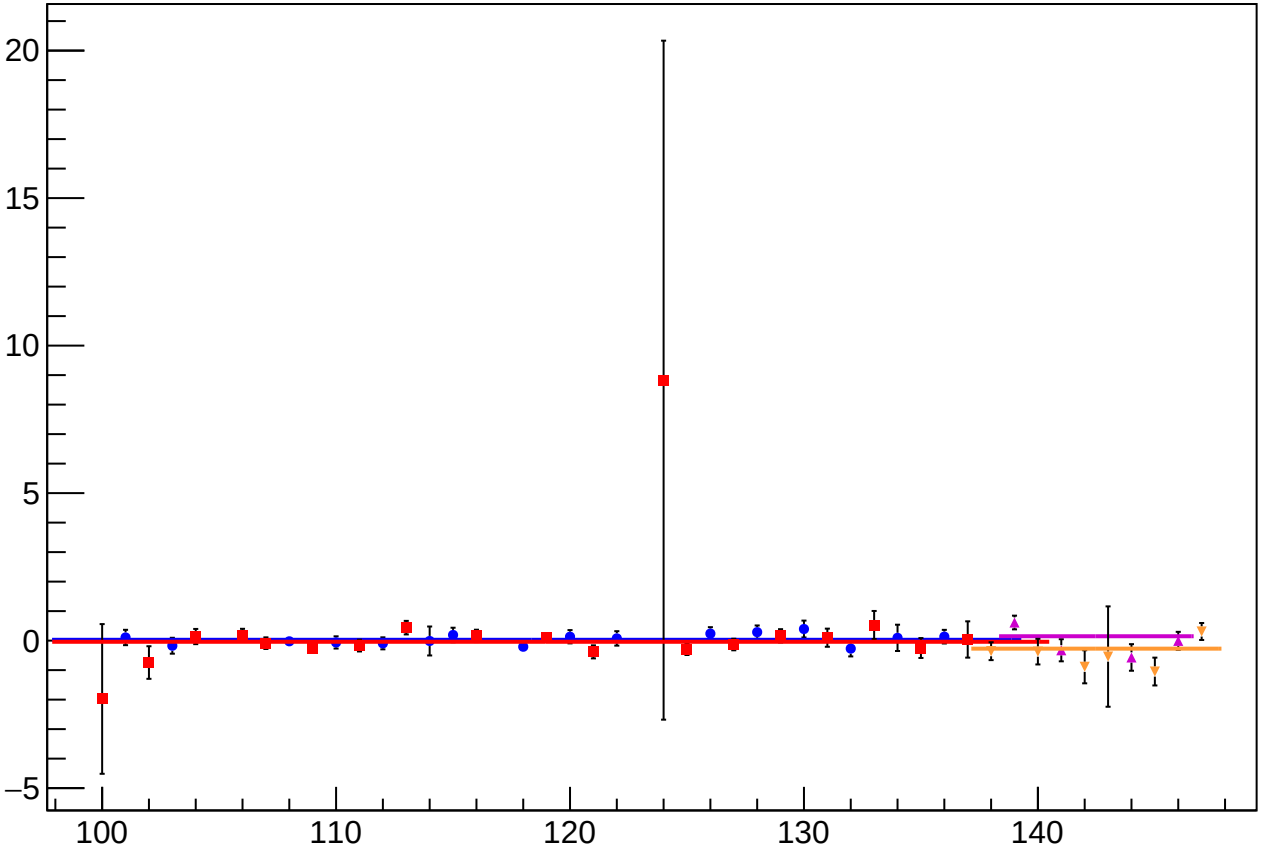
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

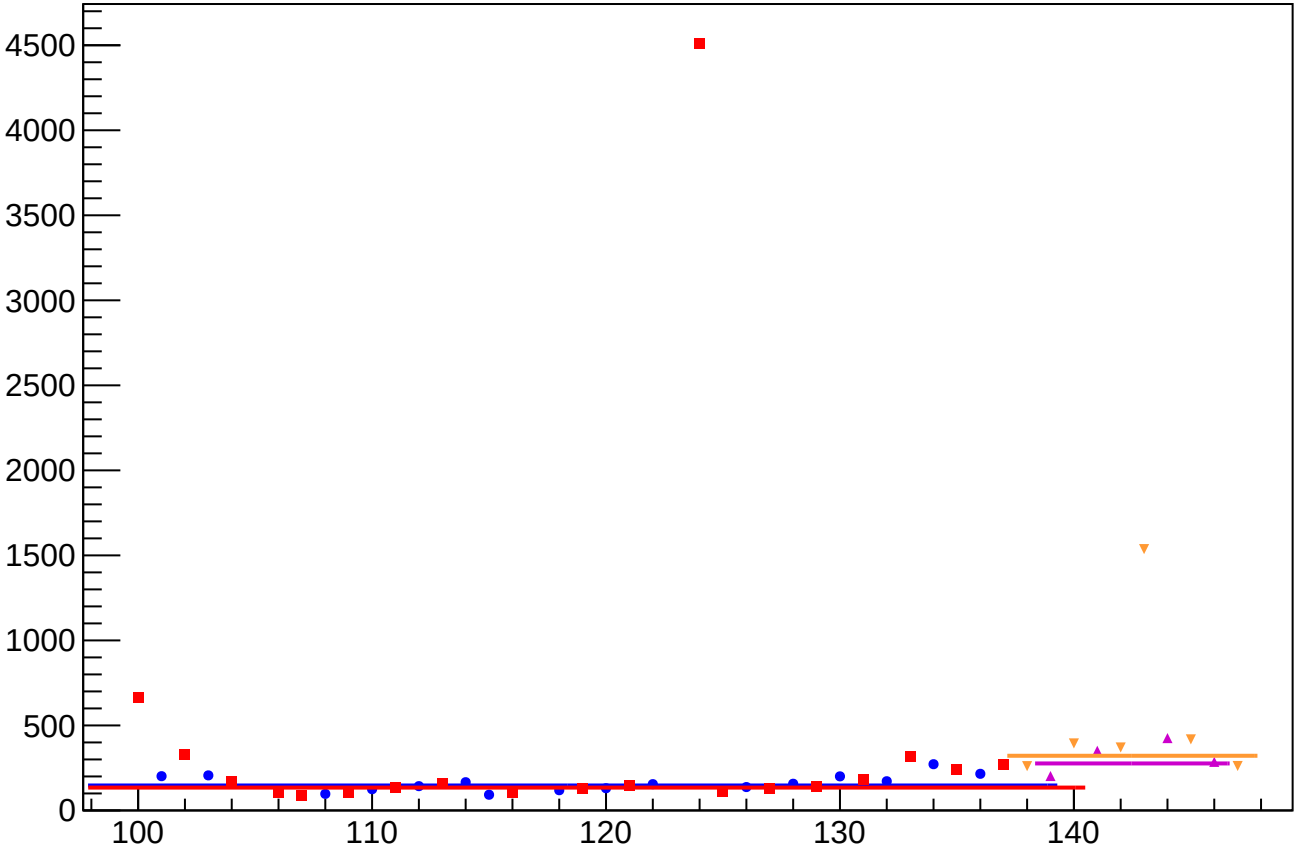
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

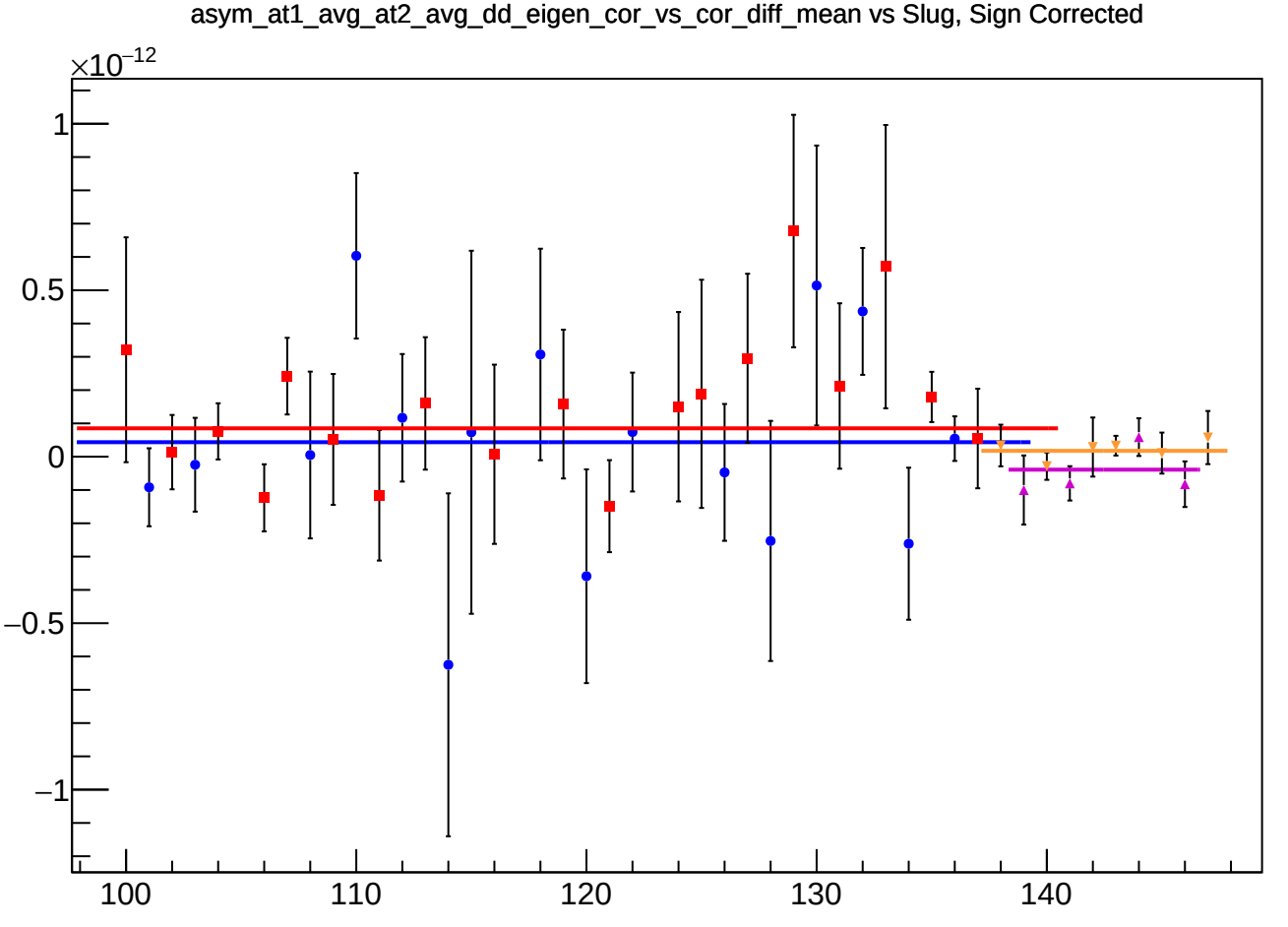
Left: 297.615+/-0.080 χ^2/NDF: 1925490.3/9

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/3

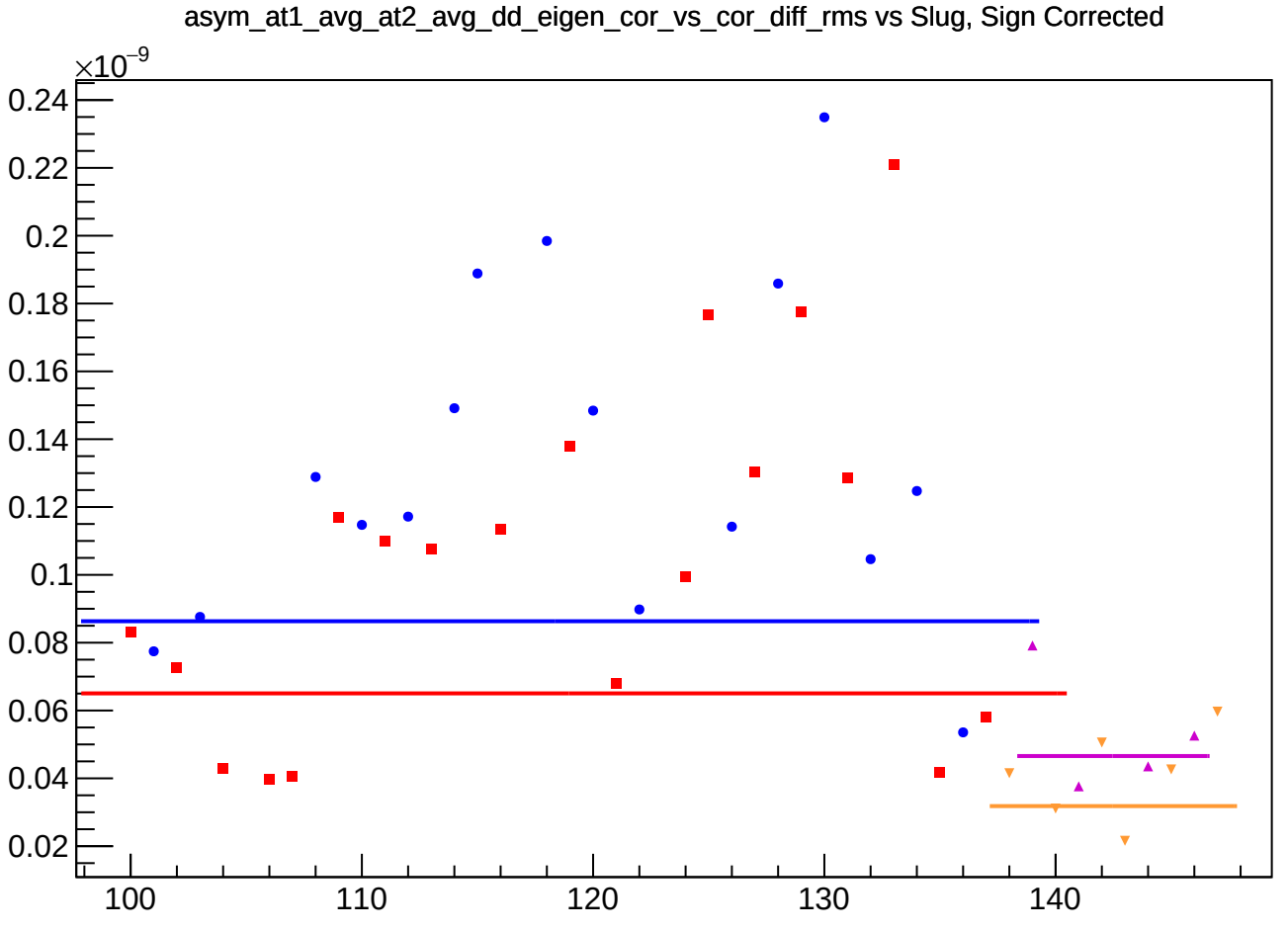
Left: 0.000+/-0.000 χ^2/NDF: 8.5/9

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/19

Out: 0.000+/-0.000 χ^2/NDF:23.0/24

All: 0.000+/-0.000 χ^2/NDF: 50.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:681541.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

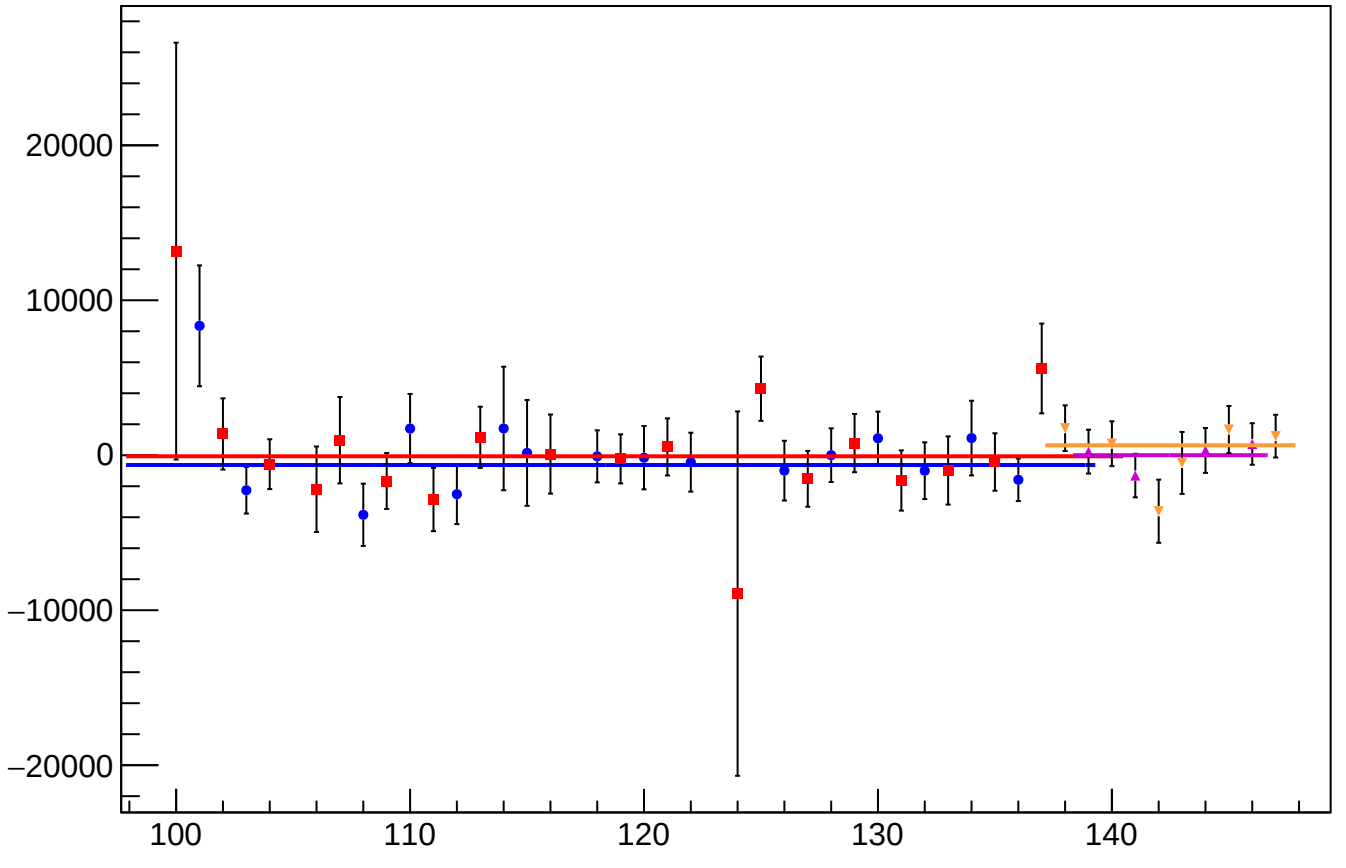
Left: 0.000+/-0.000 χ^2/NDF: 1271028.9/9

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2959604.3/19

Out: 0.000+/-0.000 χ^2/NDF:4251263.5/24

All: 0.000+/-0.000 χ^2/NDF: 8103120.6/44



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.778+/-646.903 χ^2/NDF:5.9/5

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: 2.449+/-700.312 χ^2/NDF:1.2/3

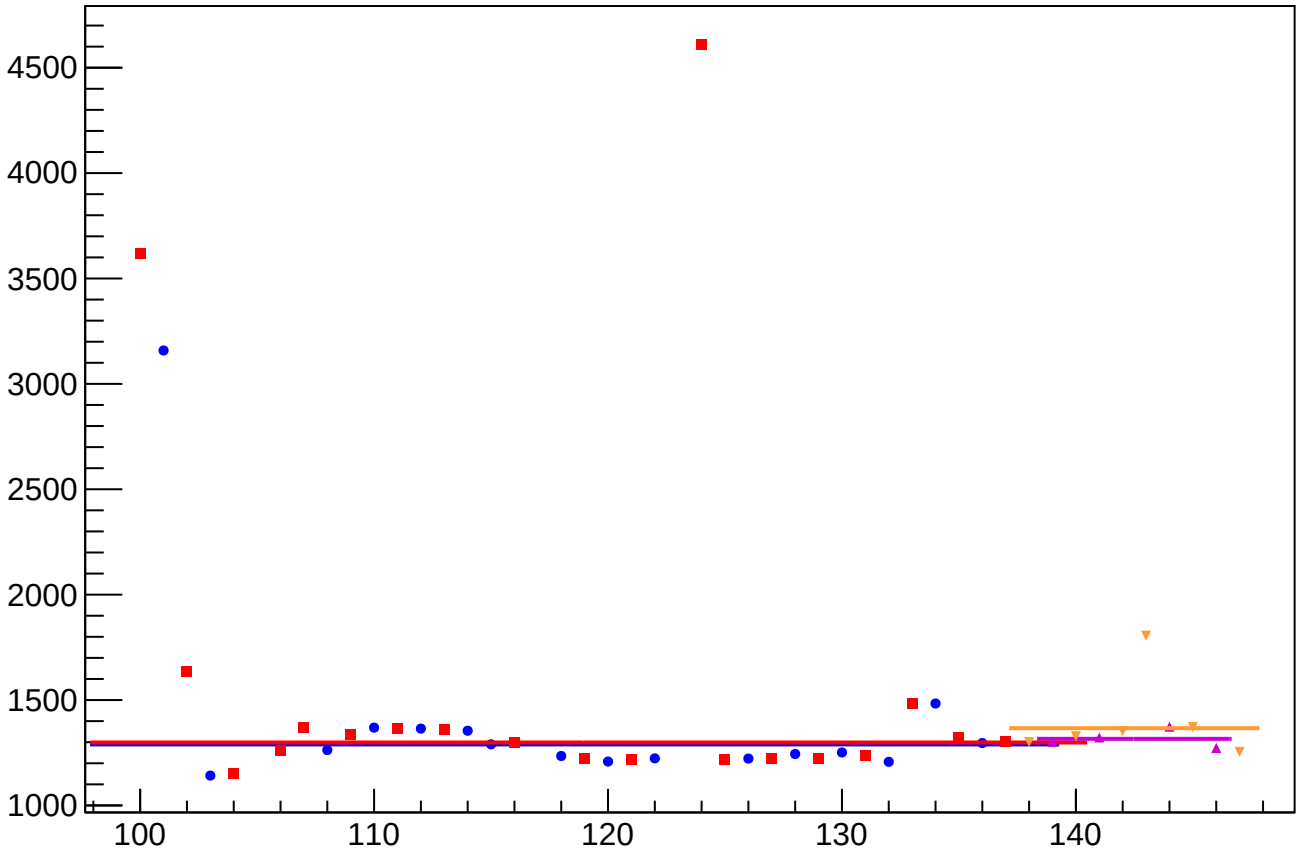
Left: 347.419+/-475.190 χ^2/NDF: 7.6/9

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -423.600+/-400.746 χ^2/NDF:15.7/19

Out: 189.488+/-389.461 χ^2/NDF:22.5/24

All: -108.302+/-279.295 χ^2/NDF: 39.4/44



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

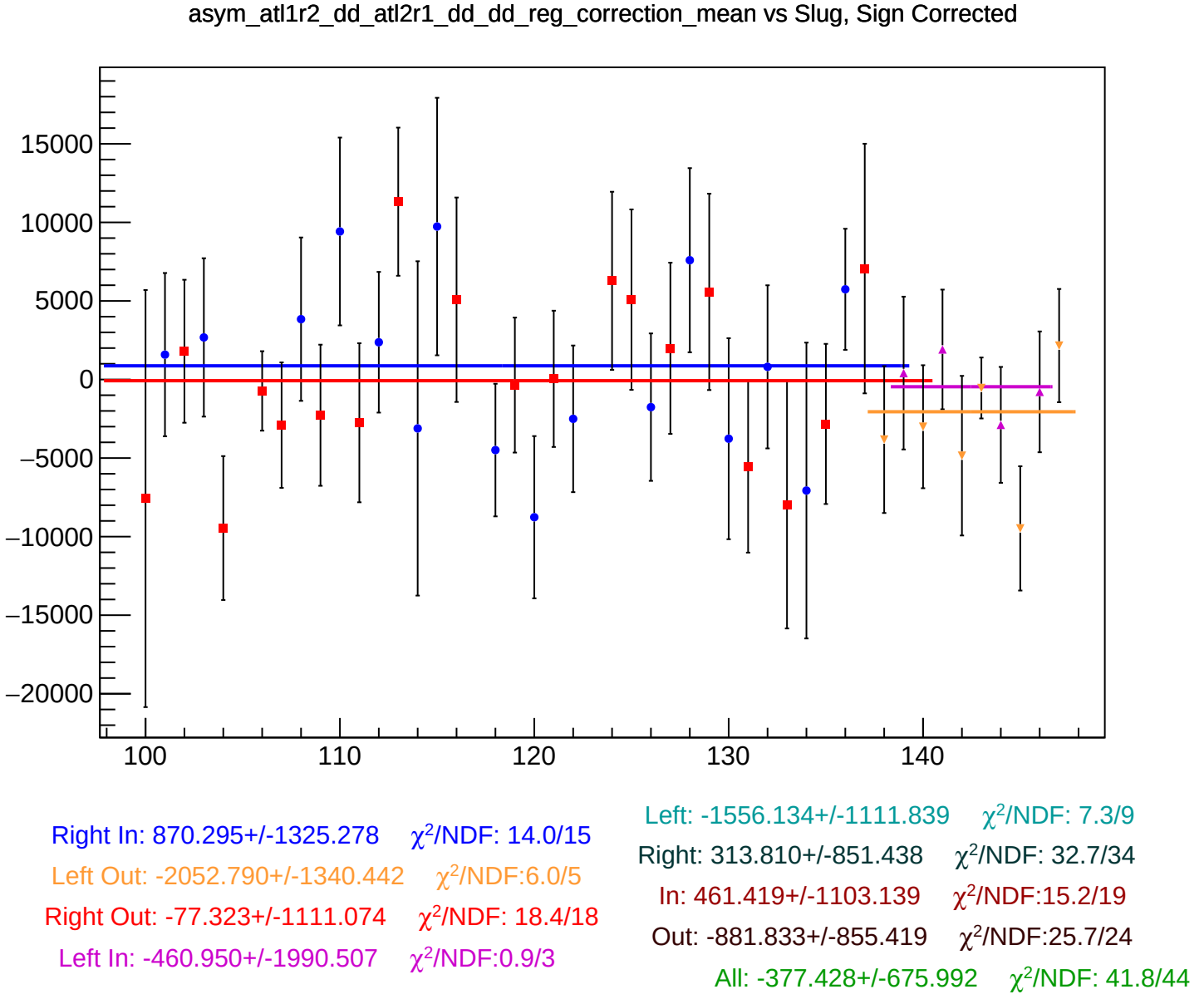
Left: 1343.279+/-0.336 χ^2/NDF: 126517.8/9

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

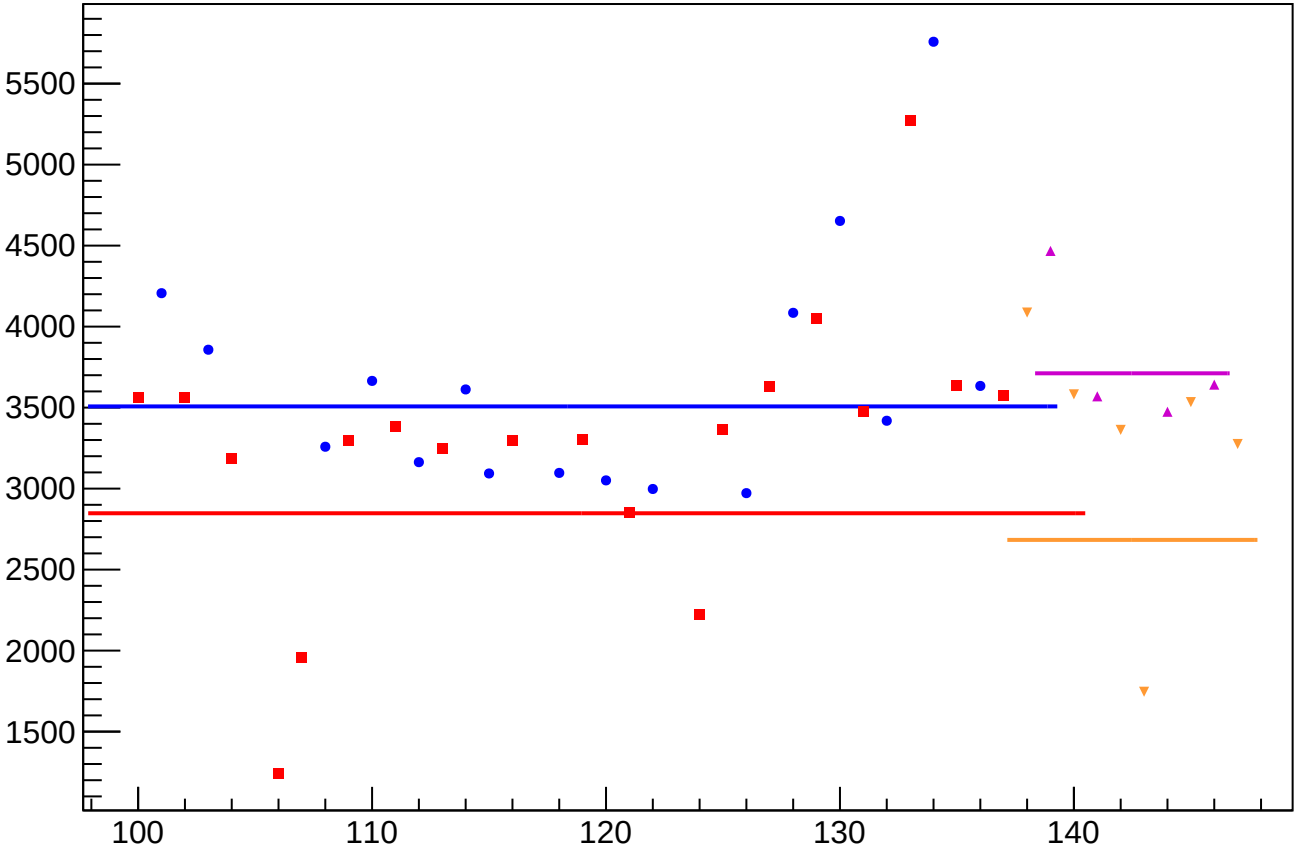
In: 1298.143+/-0.283 χ^2/NDF:522091.3/19

Out: 1323.195+/-0.275 χ^2/NDF:448850.6/24

All: 1311.048+/-0.197 χ^2/NDF: 974967.8/44


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
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -2052.790+/-1340.442 χ²/NDF:6.0/5
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -460.950+/-1990.507 χ²/NDF:0.9/3
Left: -1556.134+/-1111.839 χ²/NDF: 7.3/9
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 461.419+/-1103.139 χ²/NDF:15.2/19
Out: -881.833+/-855.419 χ²/NDF:25.7/24
All: -377.428+/-675.992 χ²/NDF: 41.8/44

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: 2683.400+/-0.948 χ^2/NDF:935009.0/5

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3711.715+/-1.408 χ^2/NDF:60010.5/3

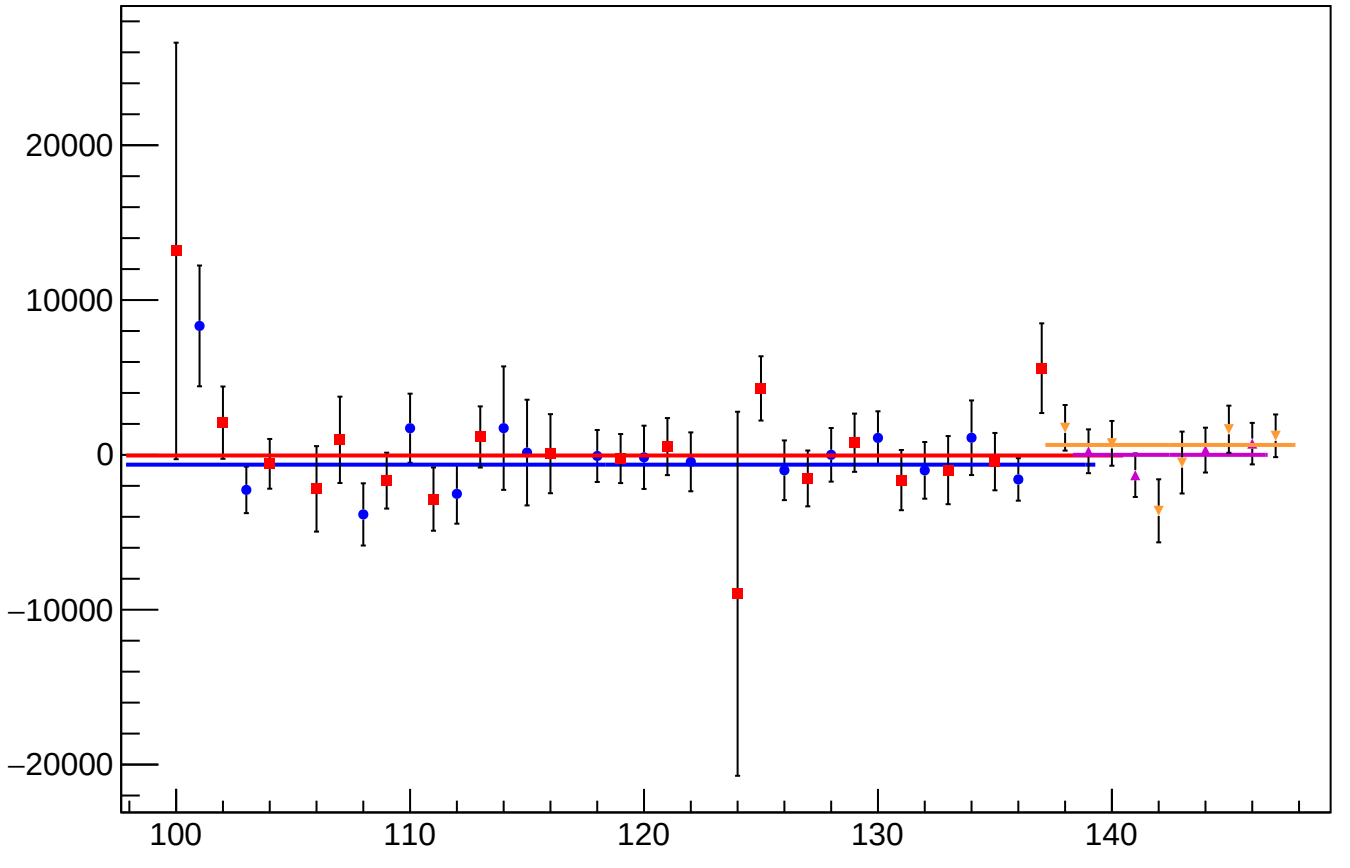
Left: 3004.236+/-0.786 χ^2/NDF: 1362253.3/9

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3570.151+/-0.780 χ^2/NDF:428590.0/19

Out: 2780.868+/-0.605 χ^2/NDF:2452222.0/24

All: 3077.252+/-0.478 χ^2/NDF: 3520193.9/44



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

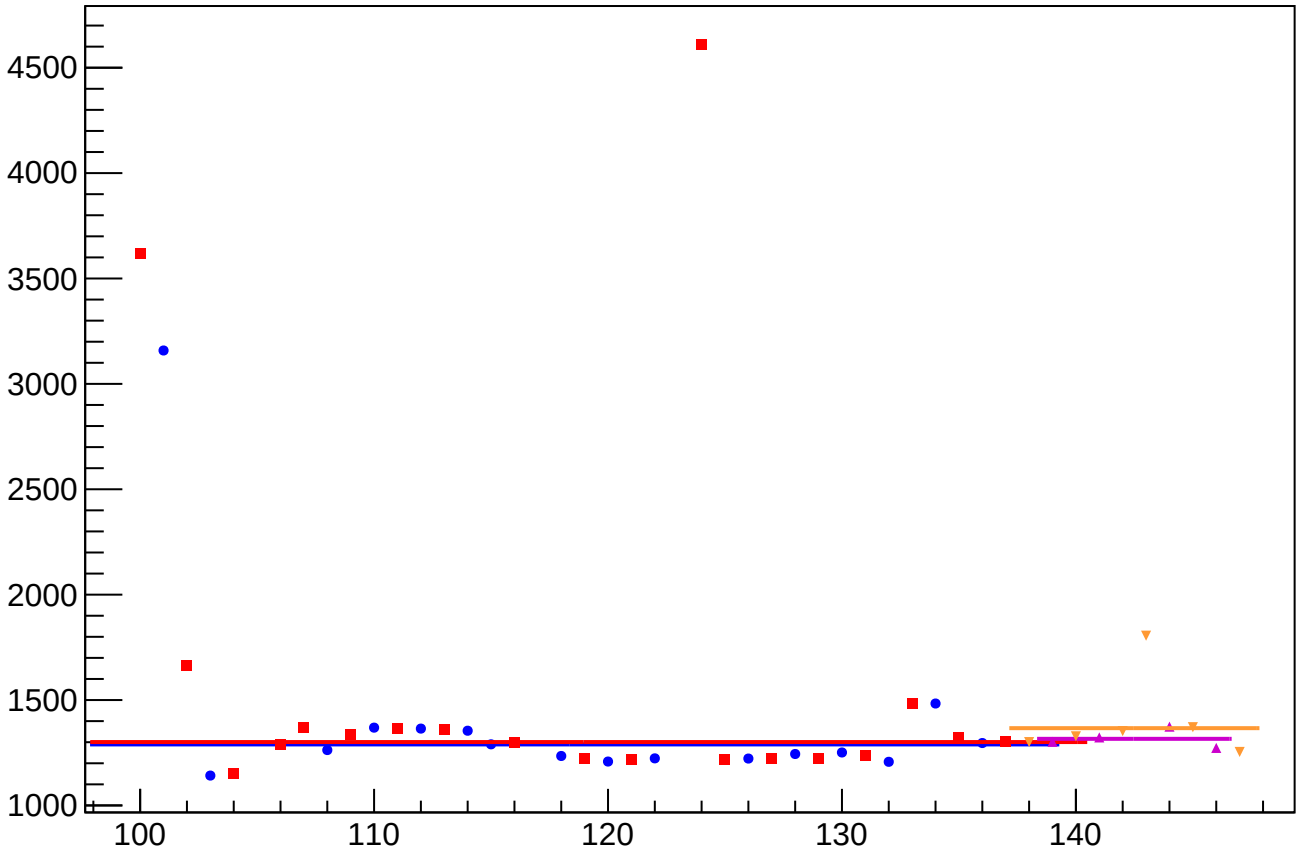
Left: 347.350+/-475.190 χ^2/NDF: 7.6/9

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -98.963+/-279.355 χ^2/NDF: 39.9/44



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

Left: 1343.279+/-0.336 χ^2/NDF: 126517.8/9

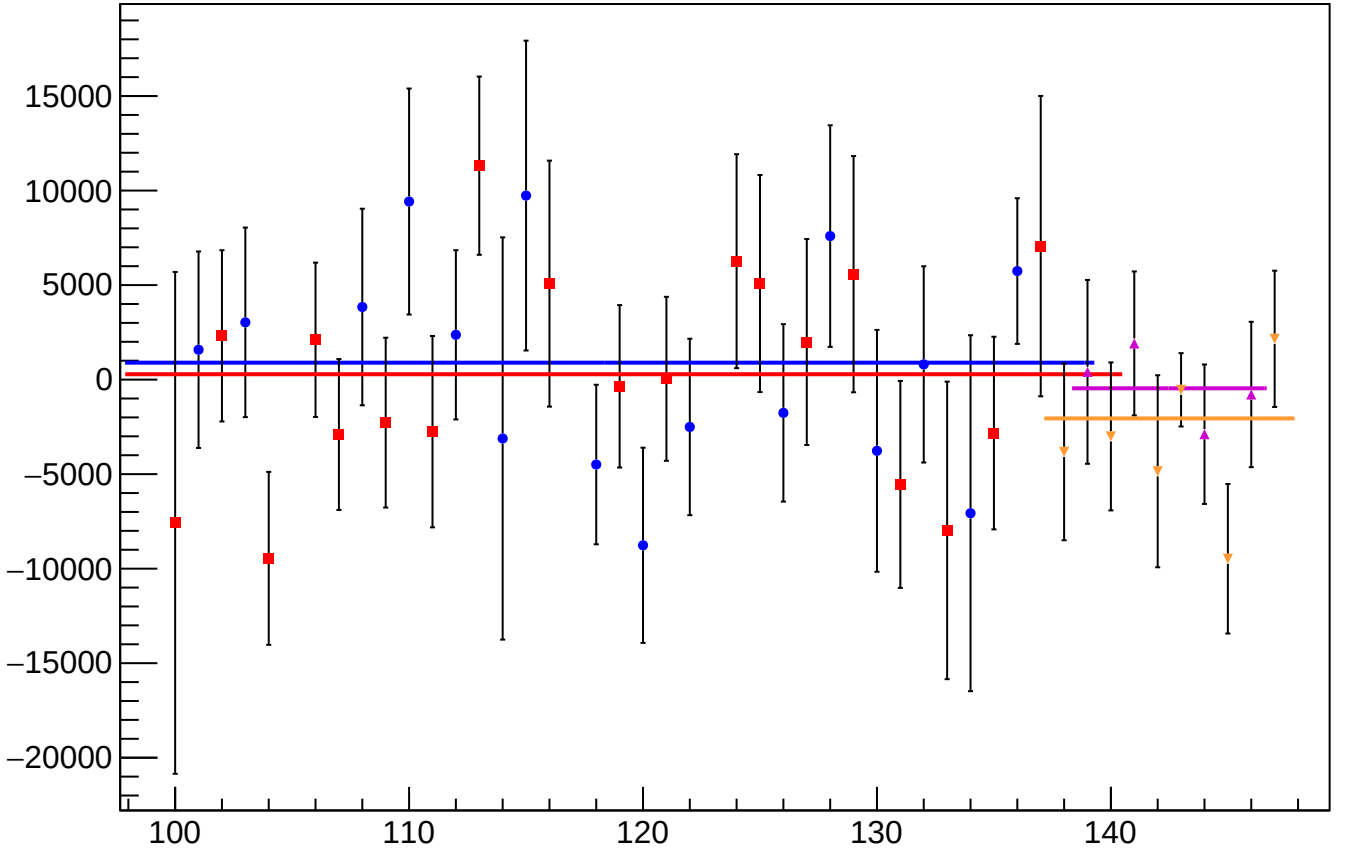
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44

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: -2052.620+/-1340.437 χ^2/NDF:6.0/5

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -460.973+/-1990.504 χ^2/NDF:0.9/3

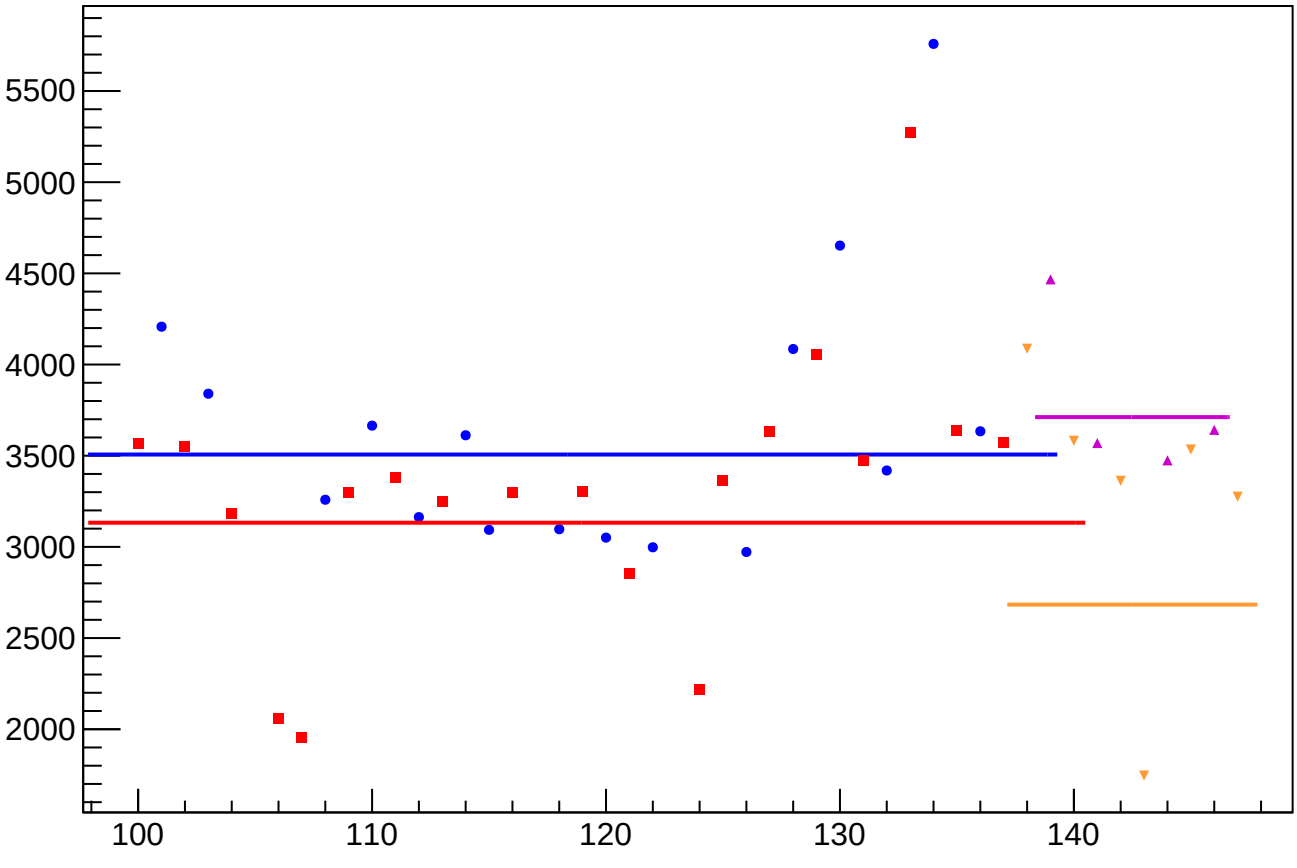
Left: -1556.026+/-1111.836 χ^2/NDF: 7.3/9

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 479.431+/-1102.876 χ^2/NDF:15.3/19

Out: -739.281+/-887.045 χ^2/NDF:26.3/24

All: -260.573+/-691.213 χ^2/NDF: 42.3/44



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

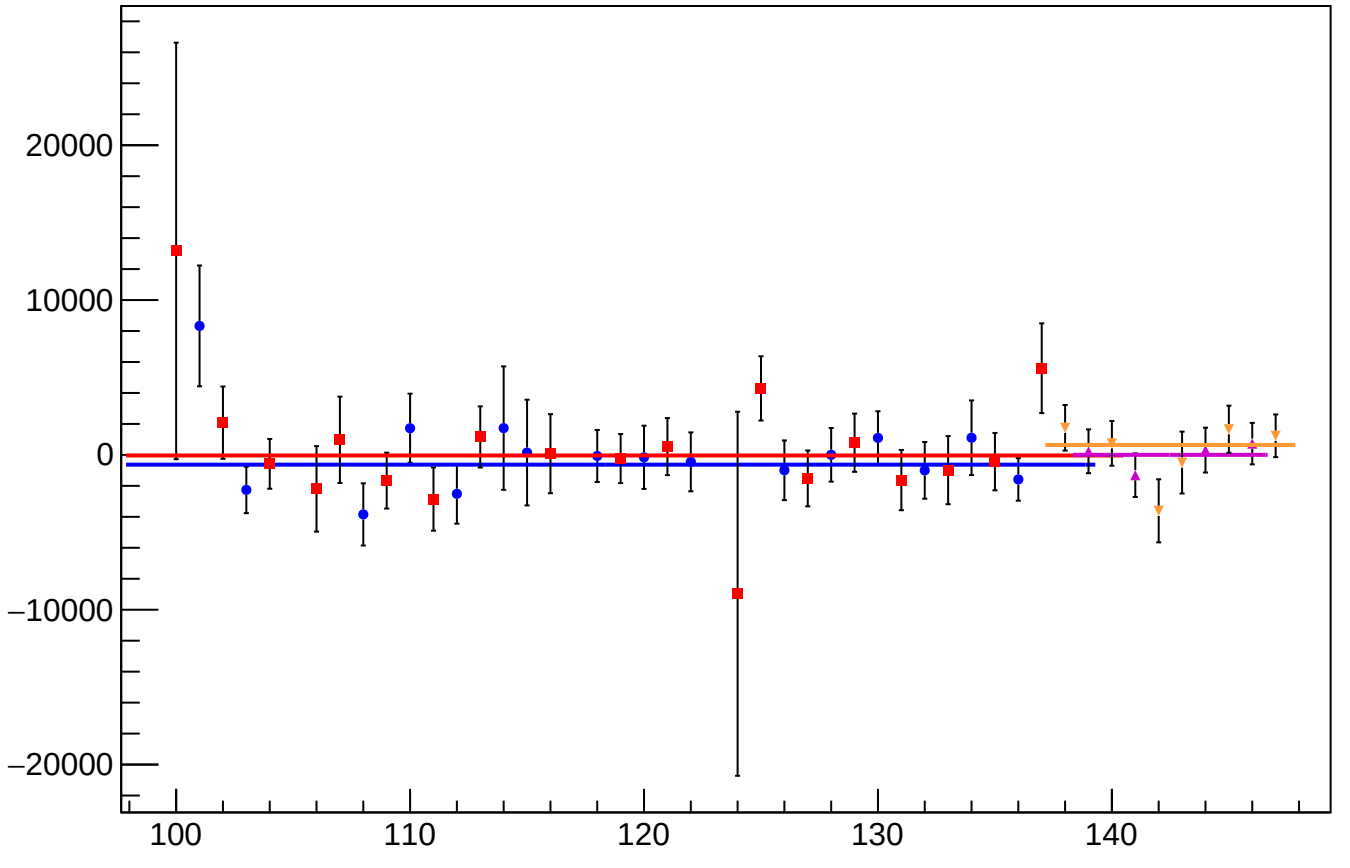
Left: 3004.225+/-0.786 χ^2/NDF: 1362271.8/9

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 641.668+/-646.903 χ^2/NDF:5.9/5

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: 2.427+/-700.312 χ^2/NDF:1.2/3

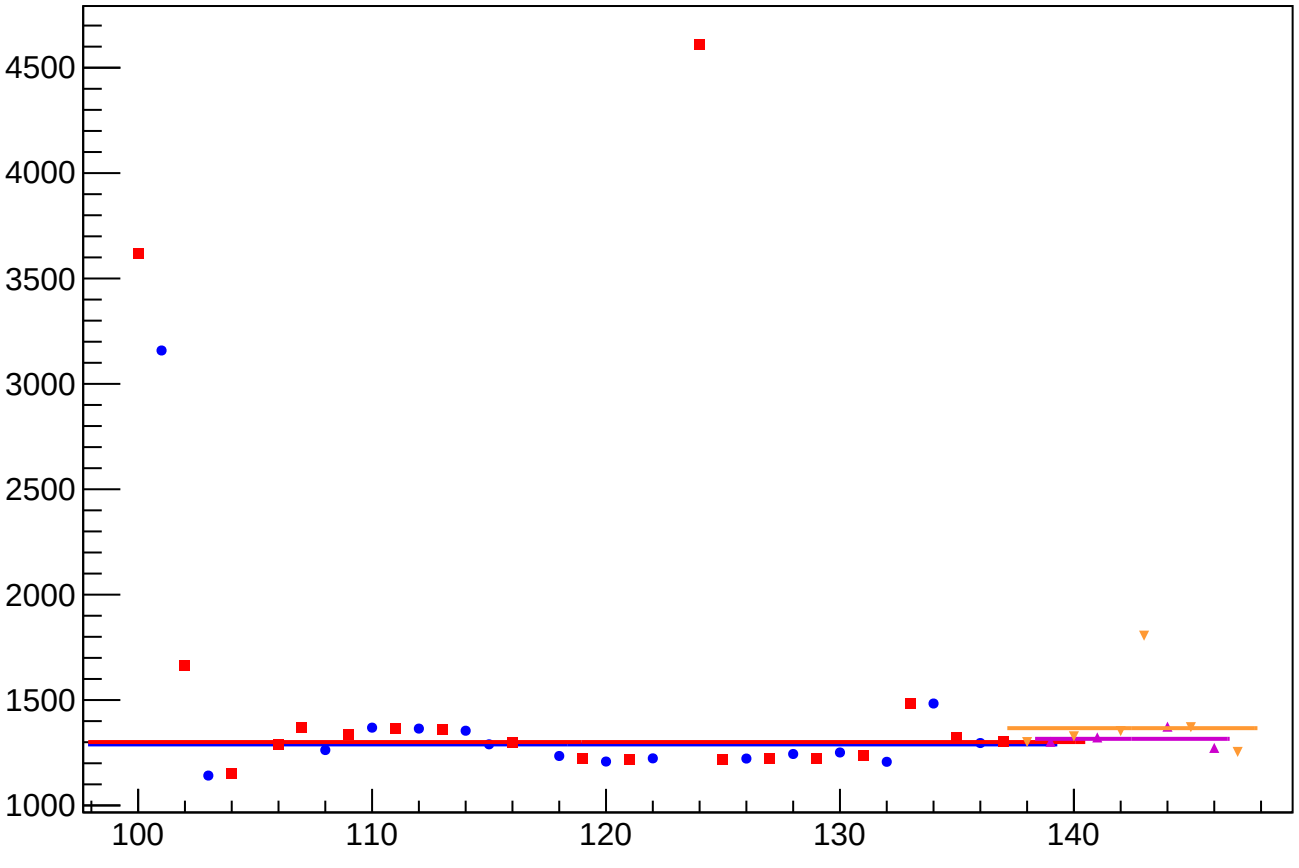
Left: 347.350+/-475.190 χ^2/NDF: 7.6/9

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -423.866+/-400.746 χ^2/NDF:15.7/19

Out: 208.158+/-389.625 χ^2/NDF:22.9/24

All: -98.963+/-279.355 χ^2/NDF: 39.9/44



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1366.586+/-0.457 χ^2/NDF:115388.7/5

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1315.965+/-0.495 χ^2/NDF:5490.5/3

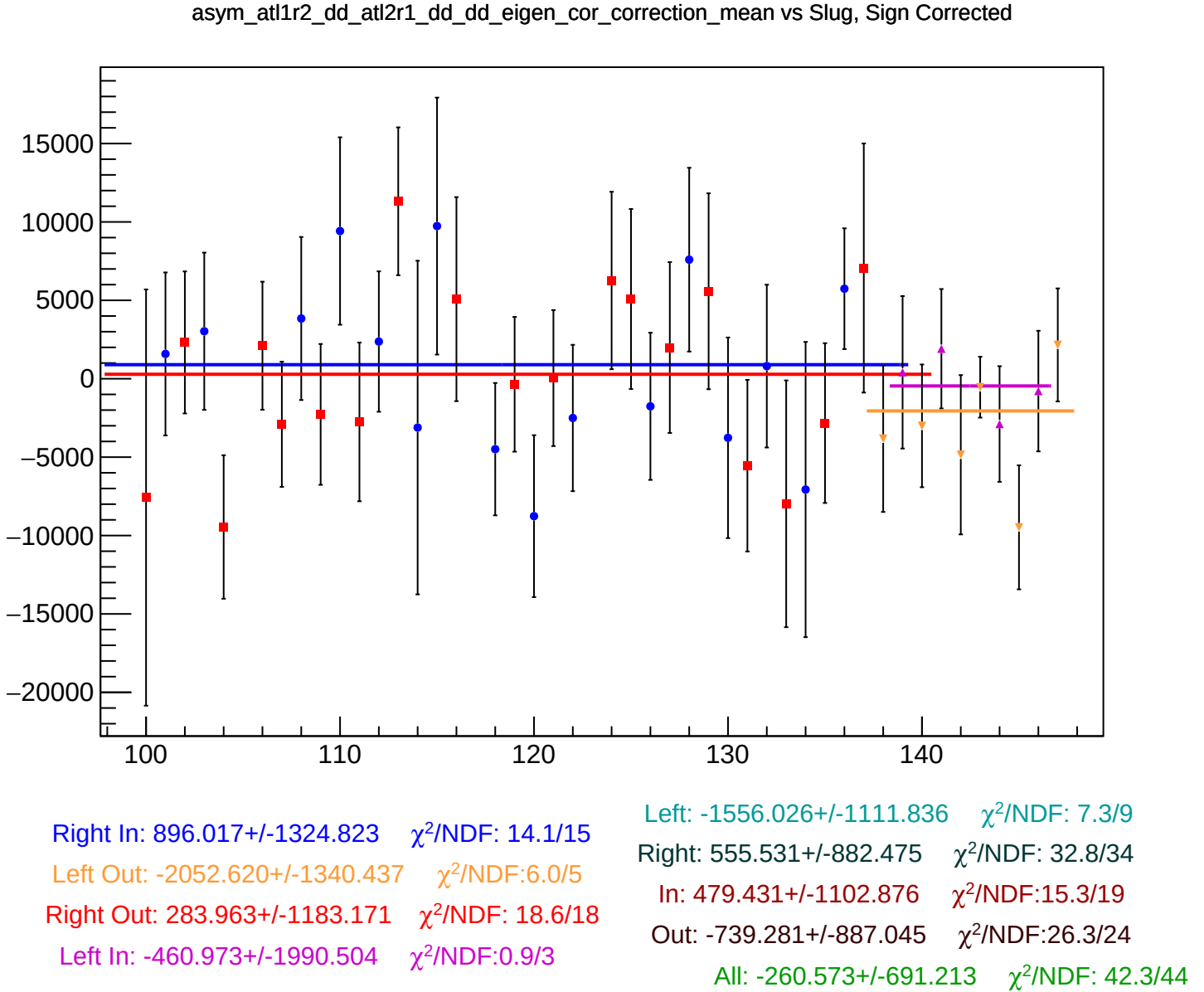
Left: 1343.279+/-0.336 χ^2/NDF: 126517.8/9

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

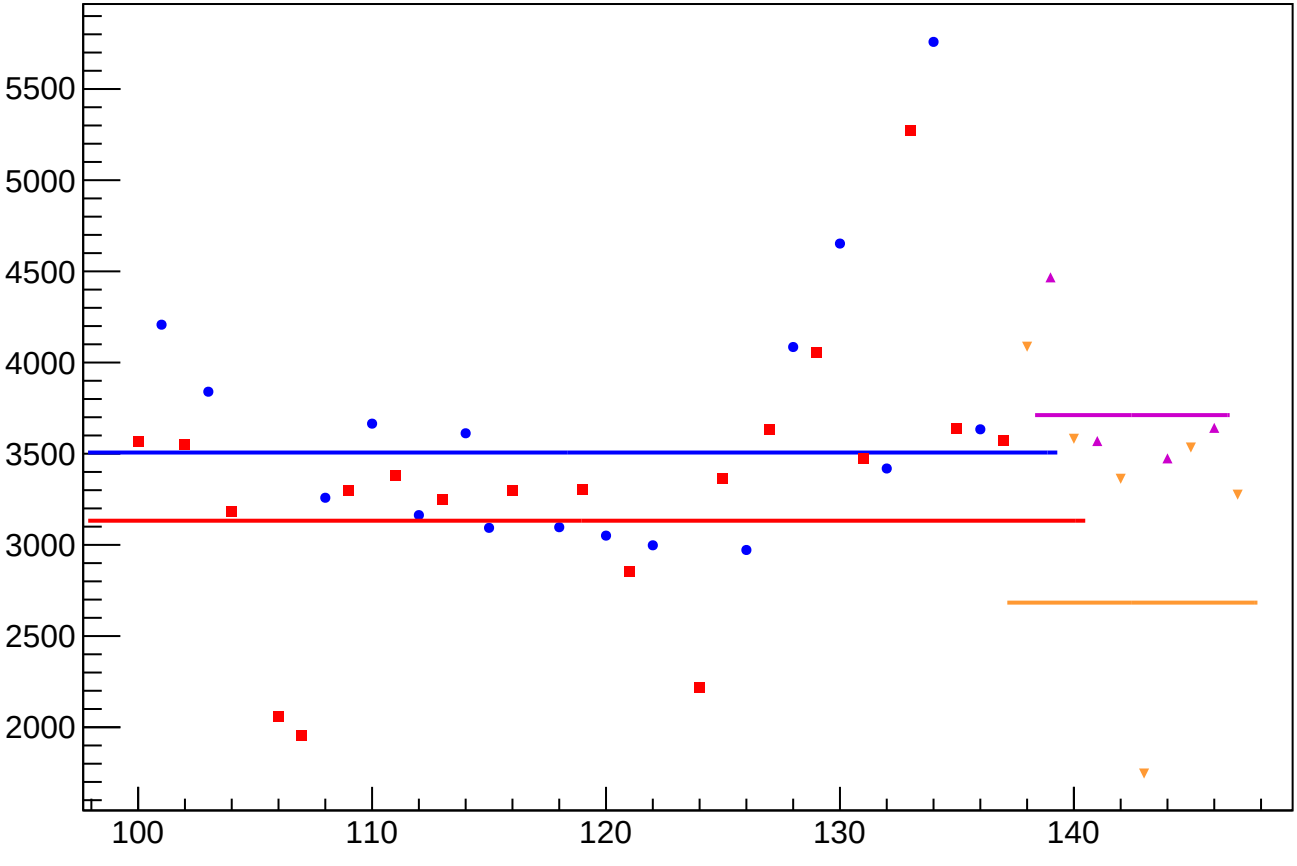
In: 1298.143+/-0.283 χ^2/NDF:522092.8/19

Out: 1324.534+/-0.275 χ^2/NDF:454540.9/24

All: 1311.726+/-0.197 χ^2/NDF: 981097.7/44


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
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -2052.620+/-1340.437 χ²/NDF:6.0/5
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -460.973+/-1990.504 χ²/NDF:0.9/3
Left: -1556.026+/-1111.836 χ²/NDF: 7.3/9
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 479.431+/-1102.876 χ²/NDF:15.3/19
Out: -739.281+/-887.045 χ²/NDF:26.3/24
All: -260.573+/-691.213 χ²/NDF: 42.3/44

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: 2683.389+/-0.948 χ^2/NDF:935021.9/5

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3711.711+/-1.407 χ^2/NDF:60009.3/3

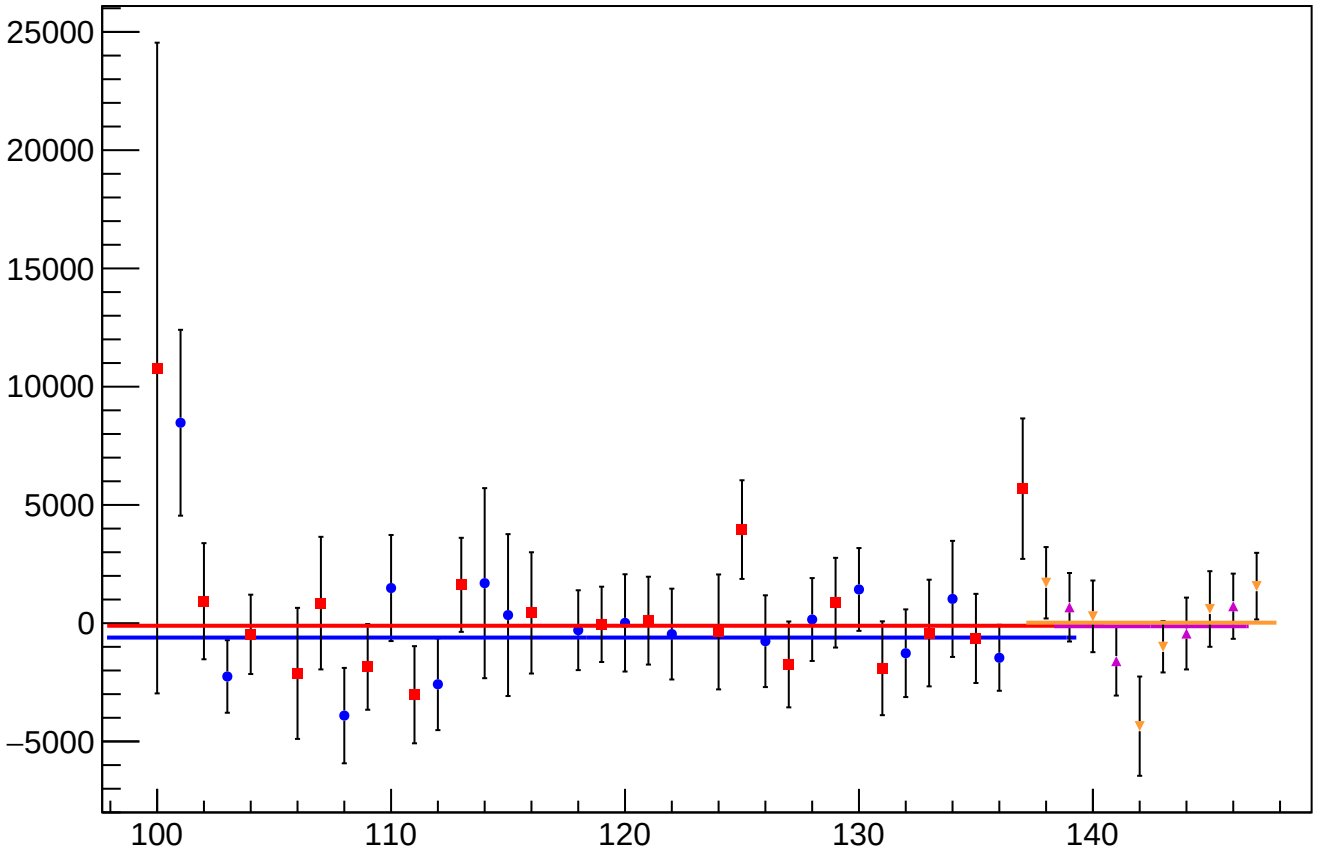
Left: 3004.225+/-0.786 χ^2/NDF: 1362271.8/9

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3569.487+/-0.780 χ^2/NDF:427980.6/19

Out: 2935.872+/-0.627 χ^2/NDF:1710876.3/24

All: 3184.755+/-0.489 χ^2/NDF: 2539686.5/44



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.528+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -129.181+/-723.926 χ^2/NDF:1.8/3

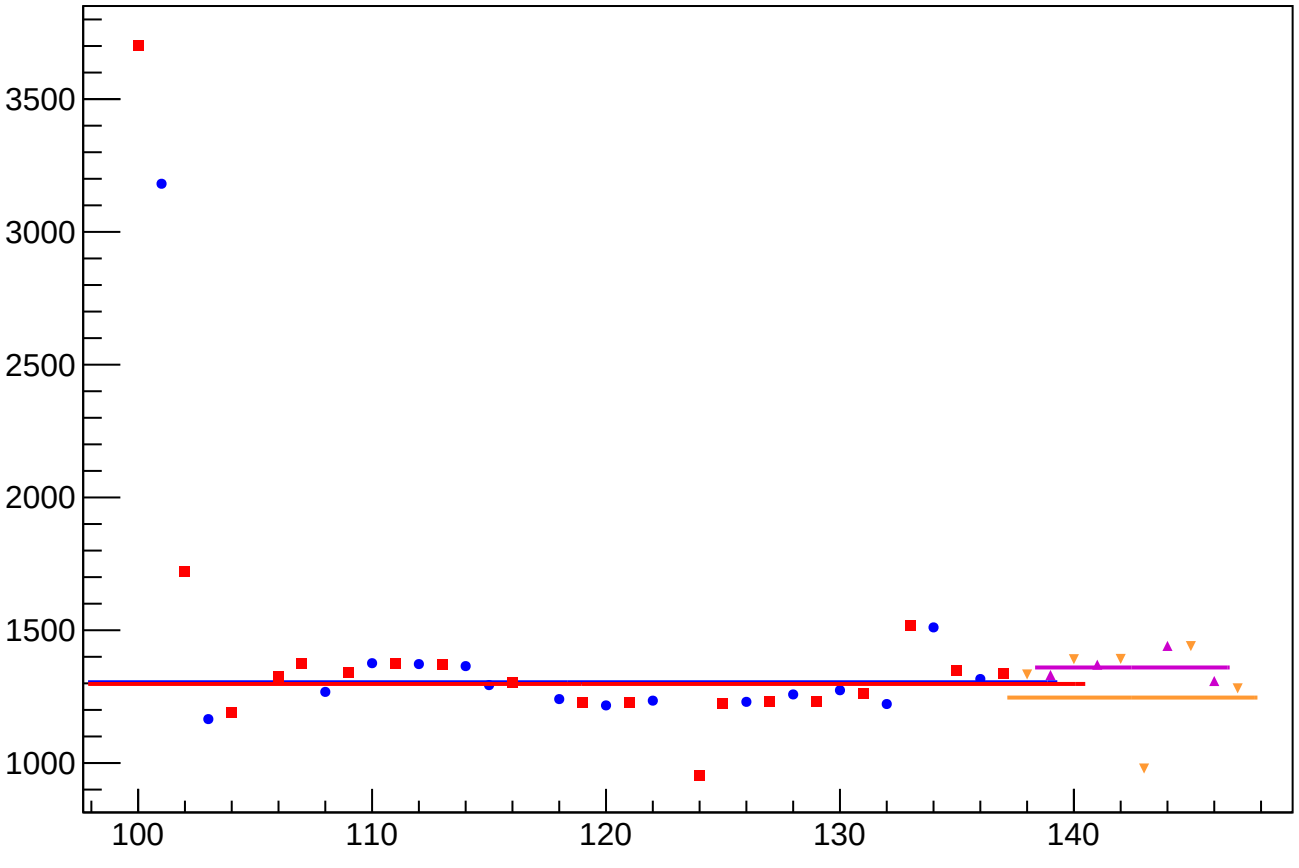
Left: -38.936+/-458.538 χ^2/NDF: 9.6/9

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -455.682+/-408.150 χ^2/NDF:16.2/19

Out: -56.334+/-375.571 χ^2/NDF:22.7/24

All: -239.436+/-276.370 χ^2/NDF: 39.4/44



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1246.466+/-0.419 χ^2/NDF:186568.7/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1359.775+/-0.512 χ^2/NDF:9313.1/3

Left: 1291.926+/-0.324 χ^2/NDF: 225221.0/9

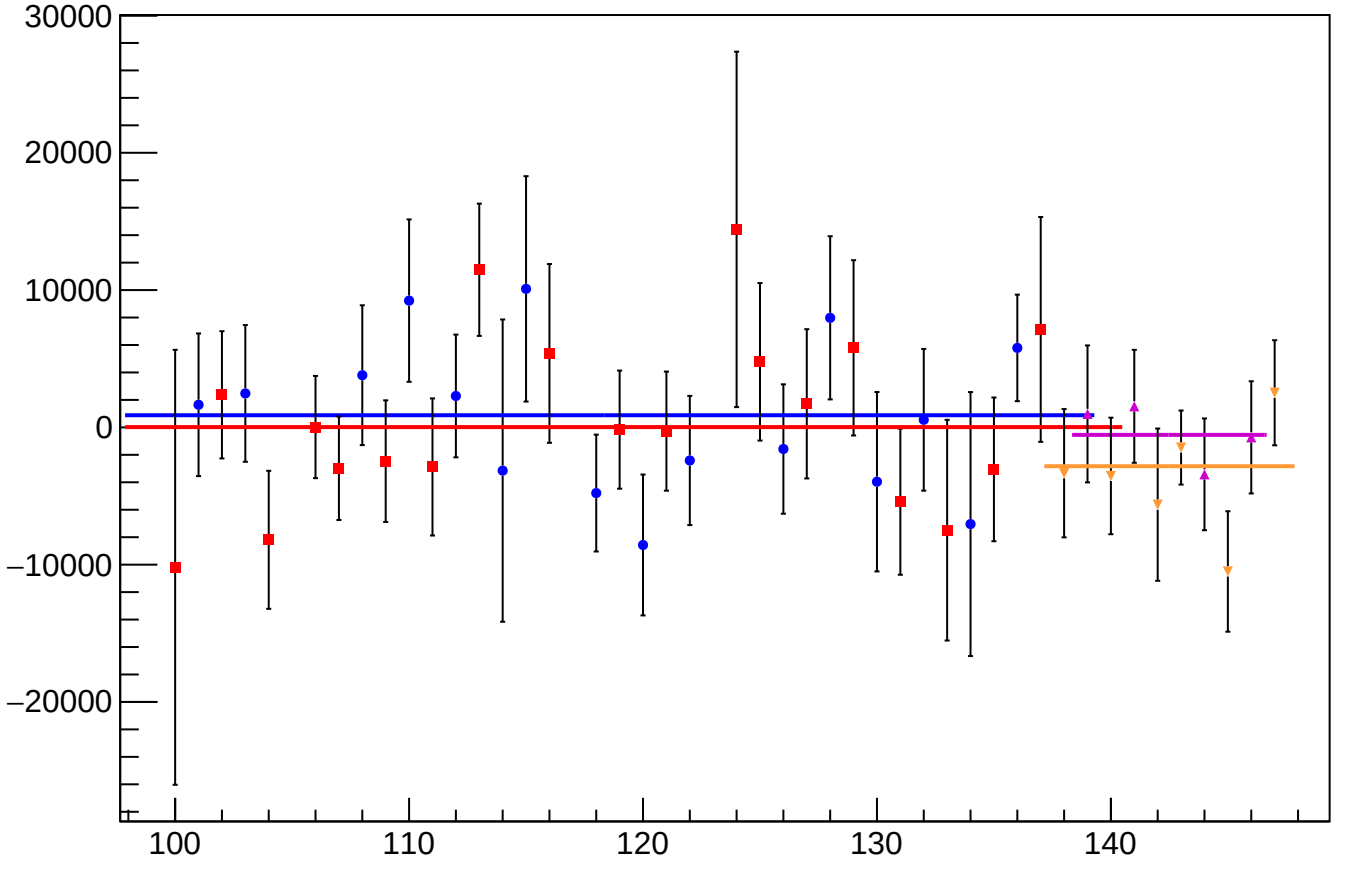
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1321.799+/-0.289 χ^2/NDF:527970.9/19

Out: 1277.195+/-0.265 χ^2/NDF:408649.6/24

All: 1297.636+/-0.195 χ^2/NDF: 949560.1/44

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.204 χ^2/NDF:5.6/5

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -547.025+/-2134.009 χ^2/NDF:0.9/3

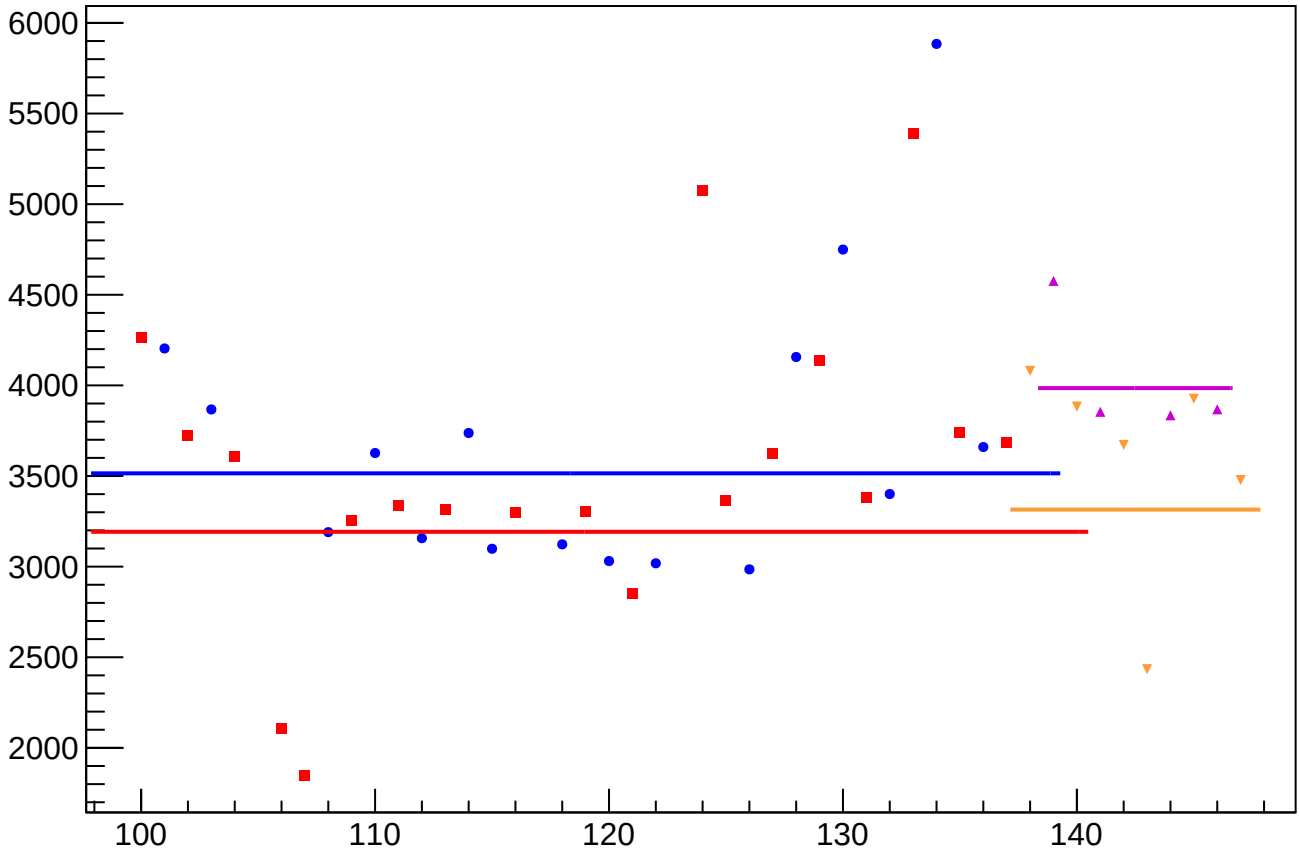
Left: -2009.324+/-1279.226 χ^2/NDF: 7.1/9

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 484.825+/-1127.138 χ^2/NDF:15.3/19

Out: -1006.876+/-959.619 χ^2/NDF:24.4/24

All: -380.009+/-730.675 χ^2/NDF: 40.7/44



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3314.764+/-1.130 χ^2/NDF:353402.5/5

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3985.086+/-1.509 χ^2/NDF:34488.6/3

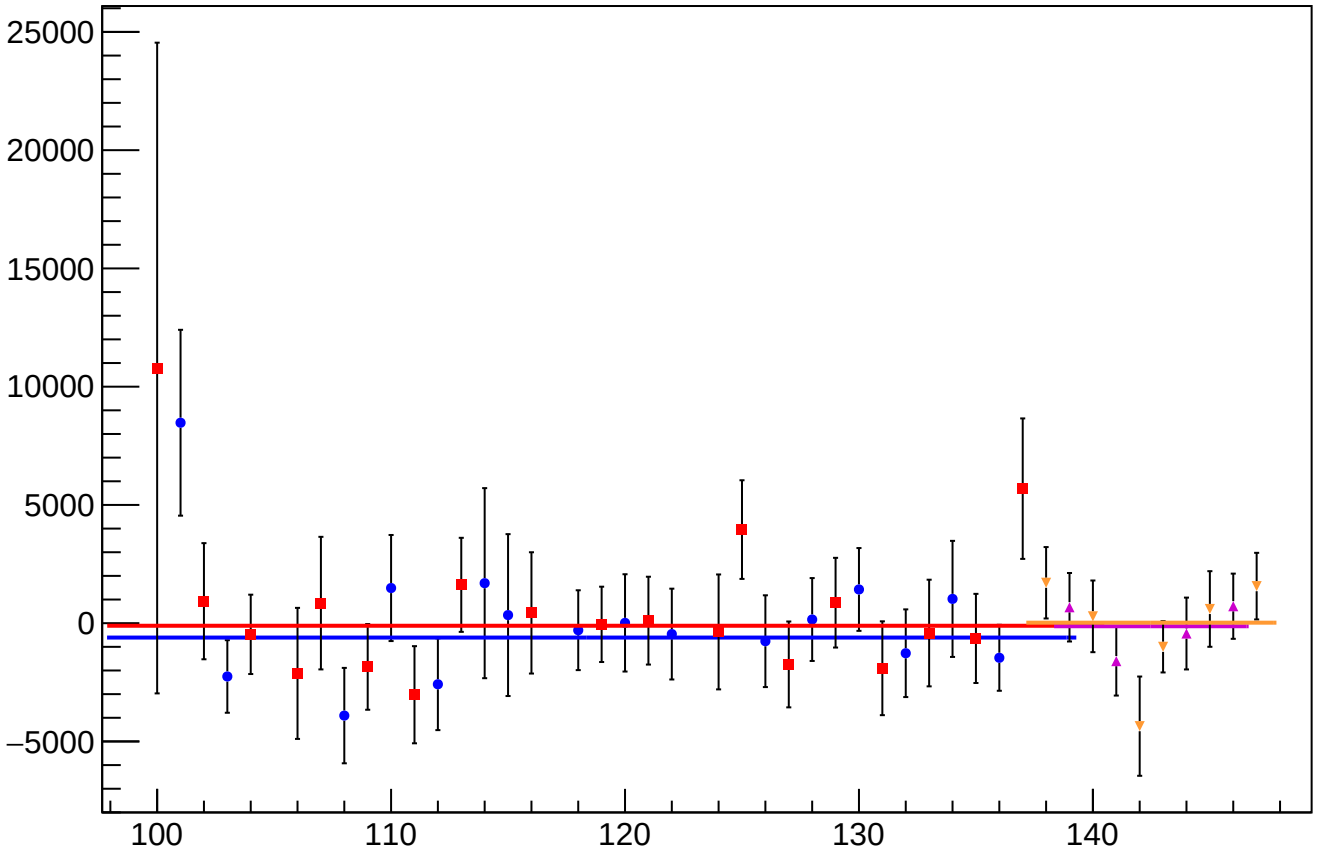
Left: 3555.635+/-0.905 χ^2/NDF: 514316.6/9

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3645.958+/-0.797 χ^2/NDF:479618.2/19

Out: 3236.389+/-0.679 χ^2/NDF:1133419.4/24

All: 3408.505+/-0.517 χ^2/NDF: 1766139.1/44



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 21.524+/-592.564 χ^2/NDF:7.8/5

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -129.179+/-723.926 χ^2/NDF:1.8/3

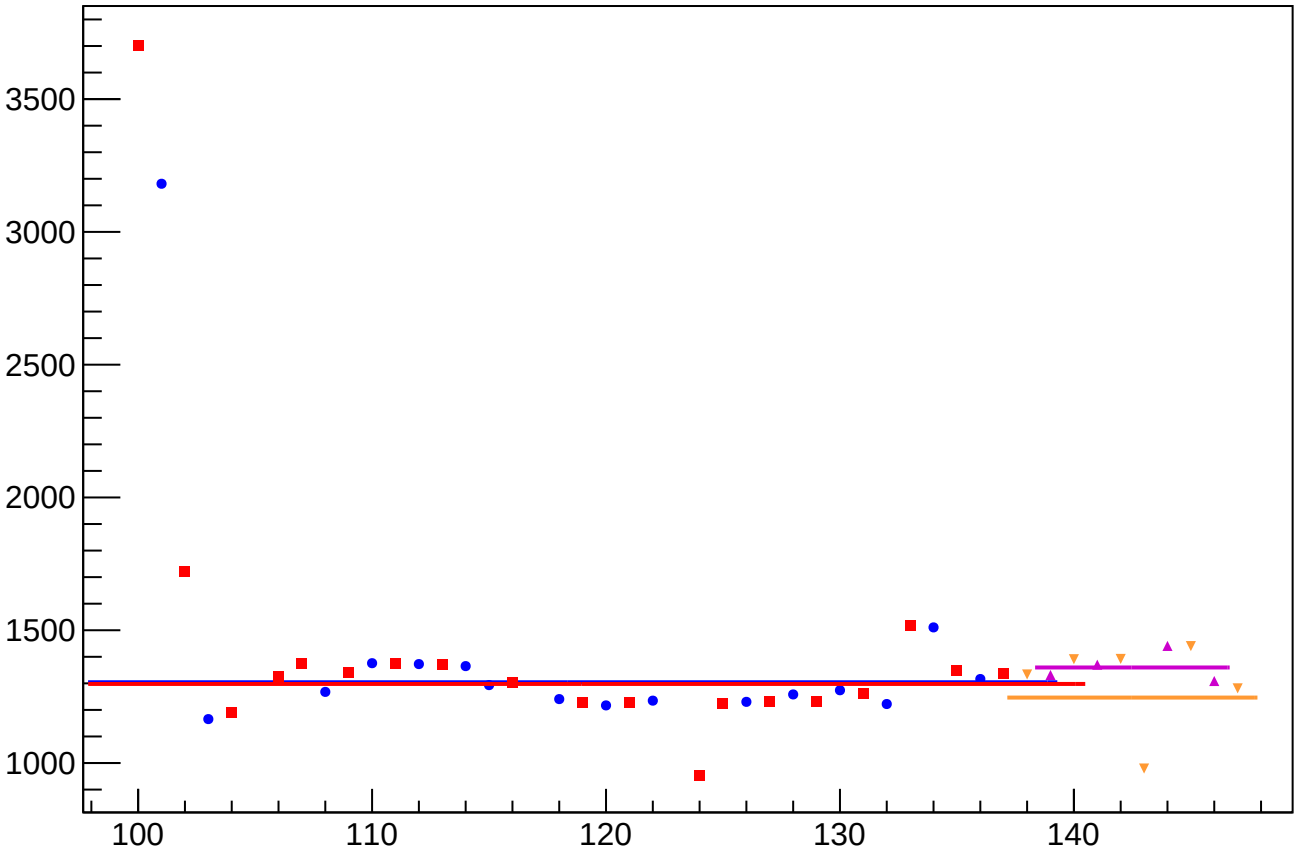
Left: -38.938+/-458.538 χ^2/NDF: 9.6/9

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -455.684+/-408.150 χ^2/NDF:16.2/19

Out: -56.339+/-375.571 χ^2/NDF:22.7/24

All: -239.439+/-276.370 χ^2/NDF: 39.4/44



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1246.467+/-0.419 χ^2/NDF:186569.0/5

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1359.776+/-0.512 χ^2/NDF:9313.1/3

Left: 1291.927+/-0.324 χ^2/NDF: 225221.3/9

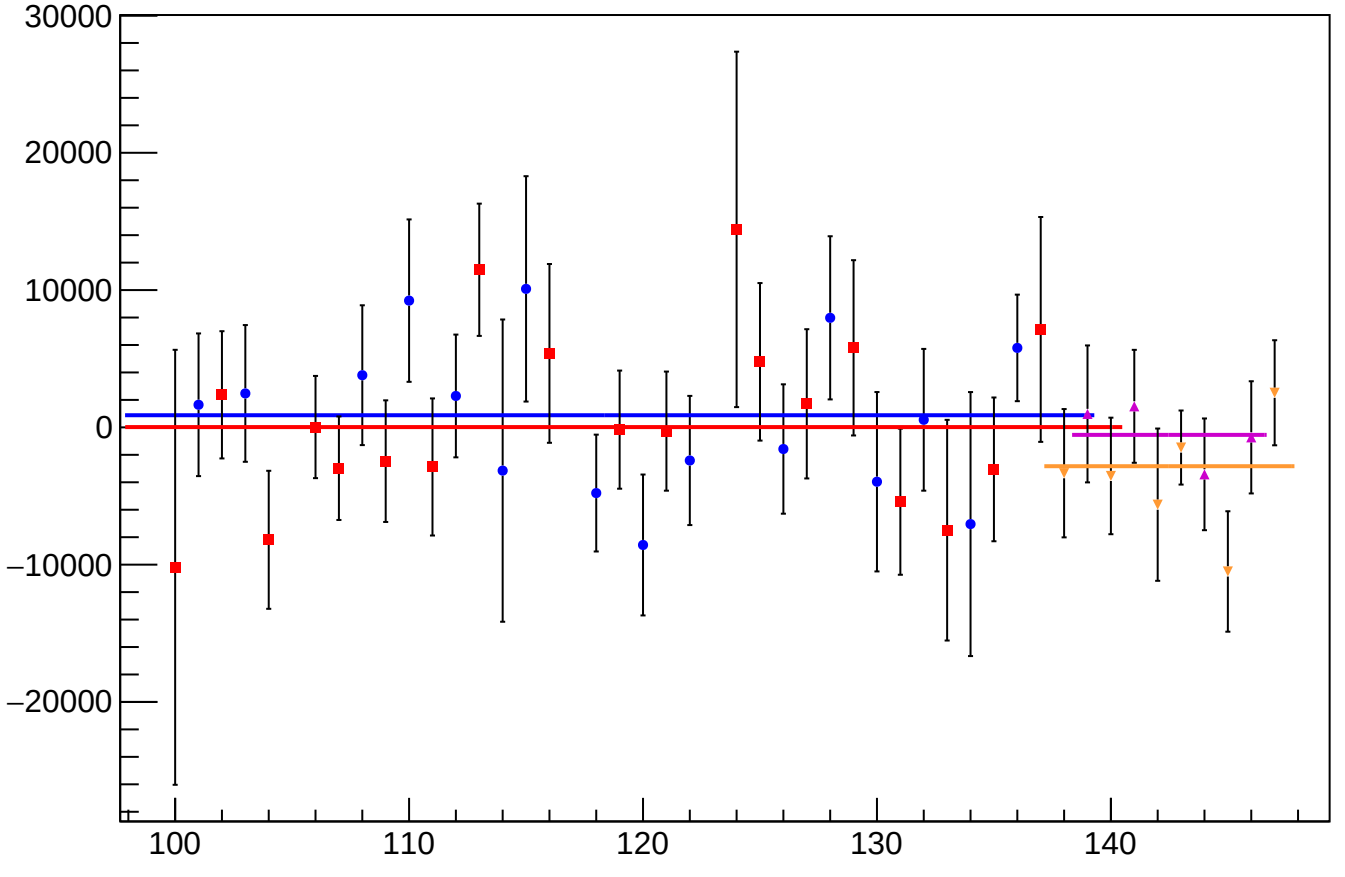
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1321.799+/-0.289 χ^2/NDF:527971.4/19

Out: 1277.195+/-0.265 χ^2/NDF:408649.7/24

All: 1297.636+/-0.195 χ^2/NDF: 949560.6/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -2829.502+/-1598.207 χ^2/NDF:5.6/5

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -547.021+/-2134.013 χ^2/NDF:0.9/3

Left: -2009.323+/-1279.228 χ^2/NDF: 7.1/9

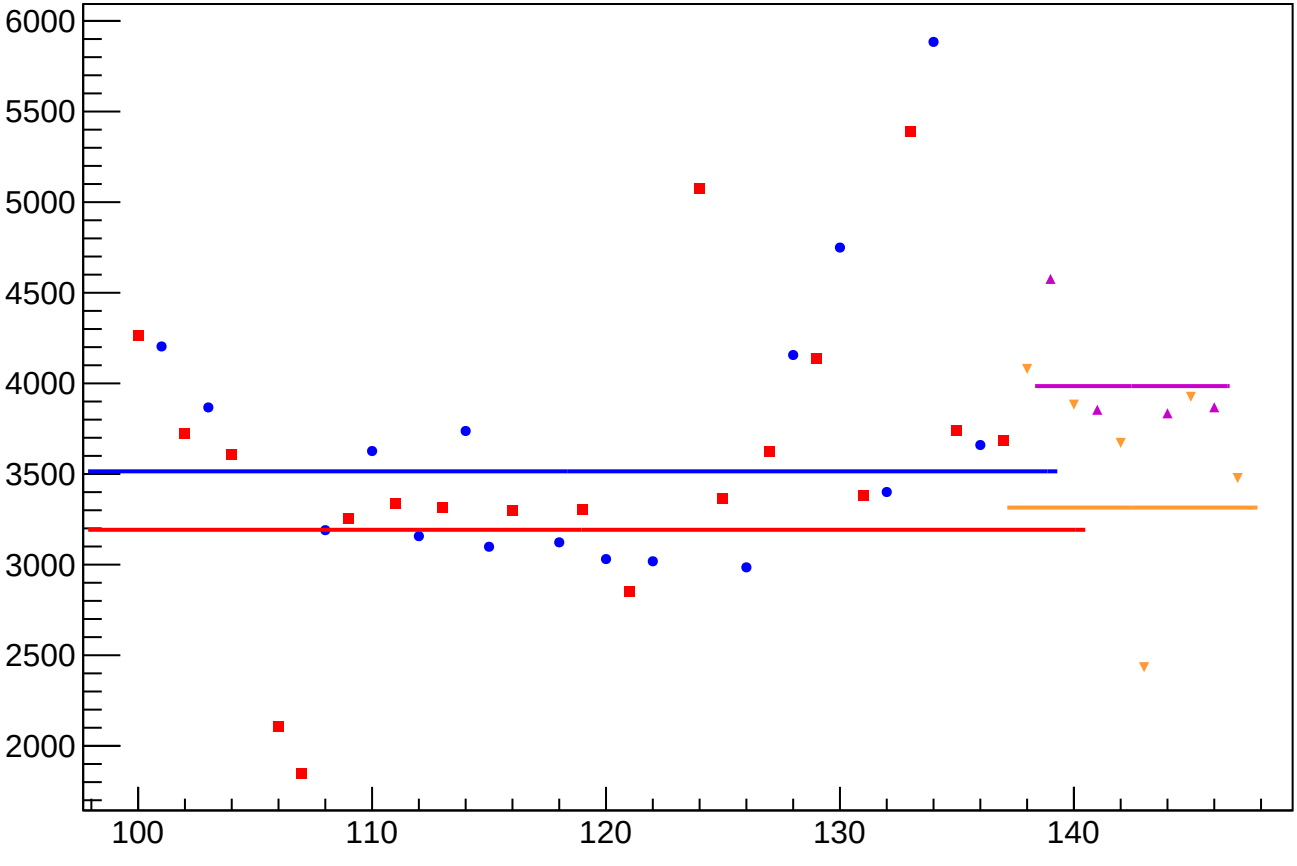
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 484.820+/-1127.137 χ^2/NDF:15.3/19

Out: -1006.874+/-959.618 χ^2/NDF:24.4/24

All: -380.009+/-730.674 χ^2/NDF: 40.7/44

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: 3314.769+/-1.130 χ^2/NDF:353403.2/5

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3985.093+/-1.509 χ^2/NDF:34489.3/3

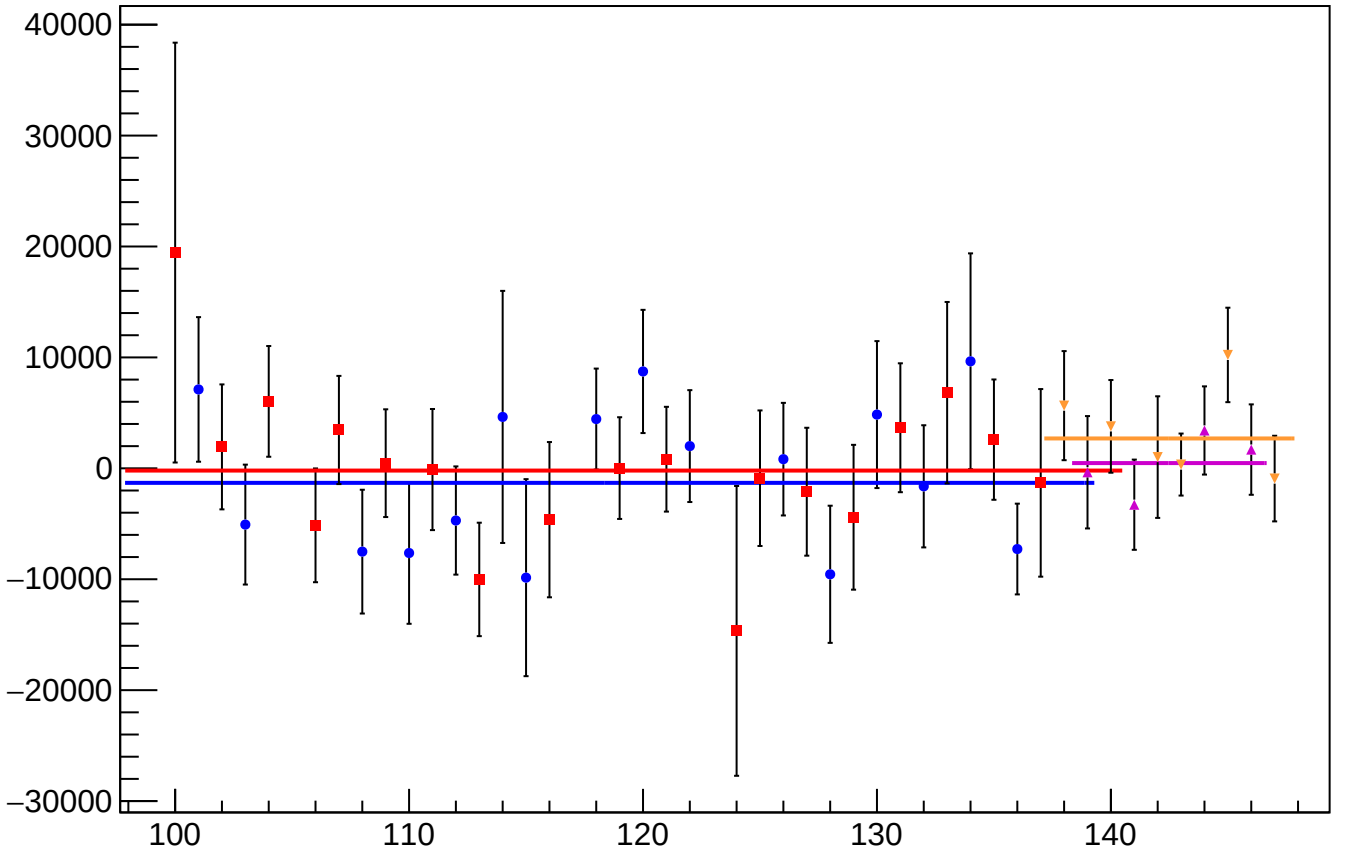
Left: 3555.641+/-0.905 χ^2/NDF: 514318.1/9

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3645.952+/-0.797 χ^2/NDF:479627.6/19

Out: 3236.386+/-0.679 χ^2/NDF:1133423.9/24

All: 3408.501+/-0.517 χ^2/NDF: 1766151.8/44



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2693.475+/-1617.614 χ^2/NDF:5.2/5

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 473.106+/-2118.256 χ^2/NDF:1.5/3

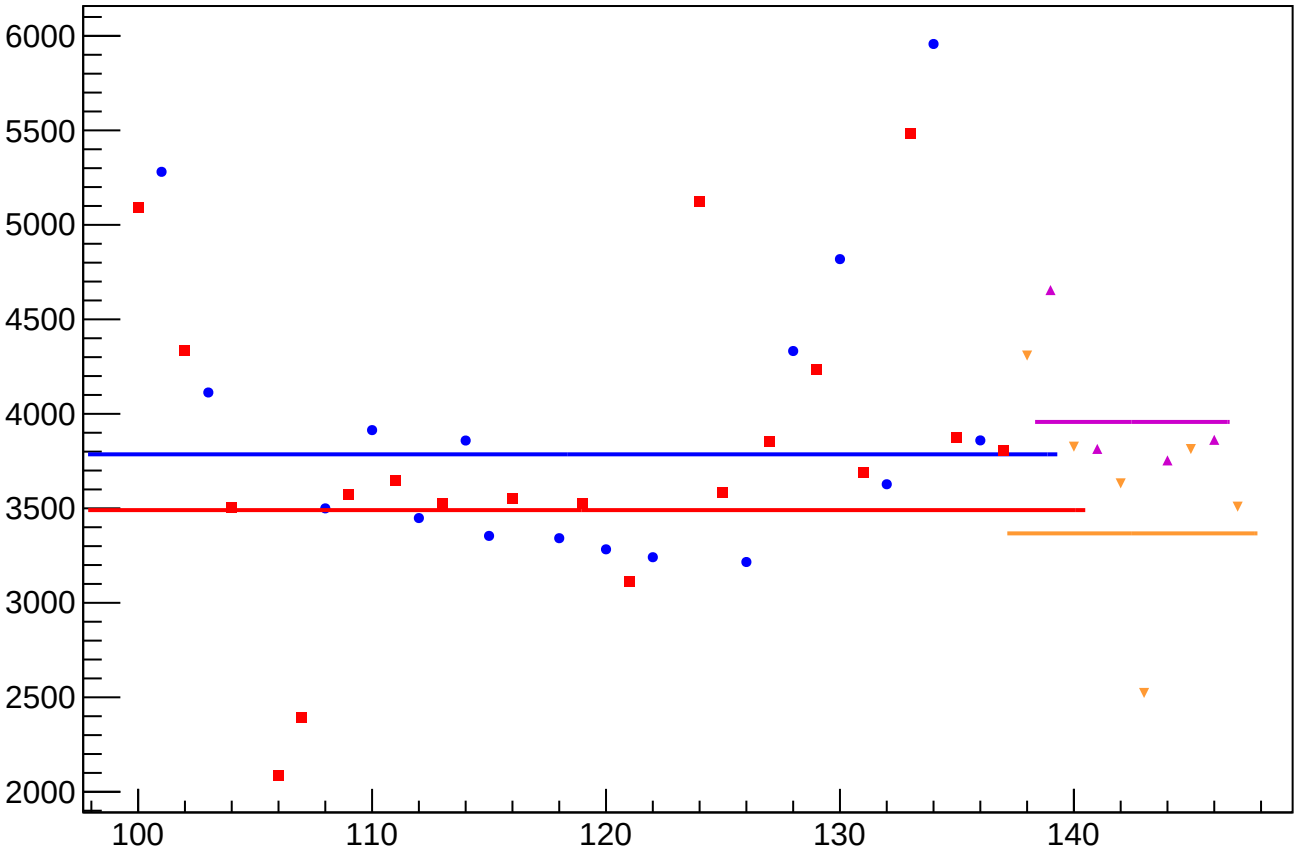
Left: 1875.592+/-1285.617 χ^2/NDF: 7.4/9

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -750.457+/-1186.132 χ^2/NDF:19.6/19

Out: 972.460+/-1030.124 χ^2/NDF:18.8/24

All: 231.684+/-777.758 χ^2/NDF: 39.6/44



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3367.456+/-1.144 χ^2/NDF:309162.1/5

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3957.236+/-1.498 χ^2/NDF:46729.4/3

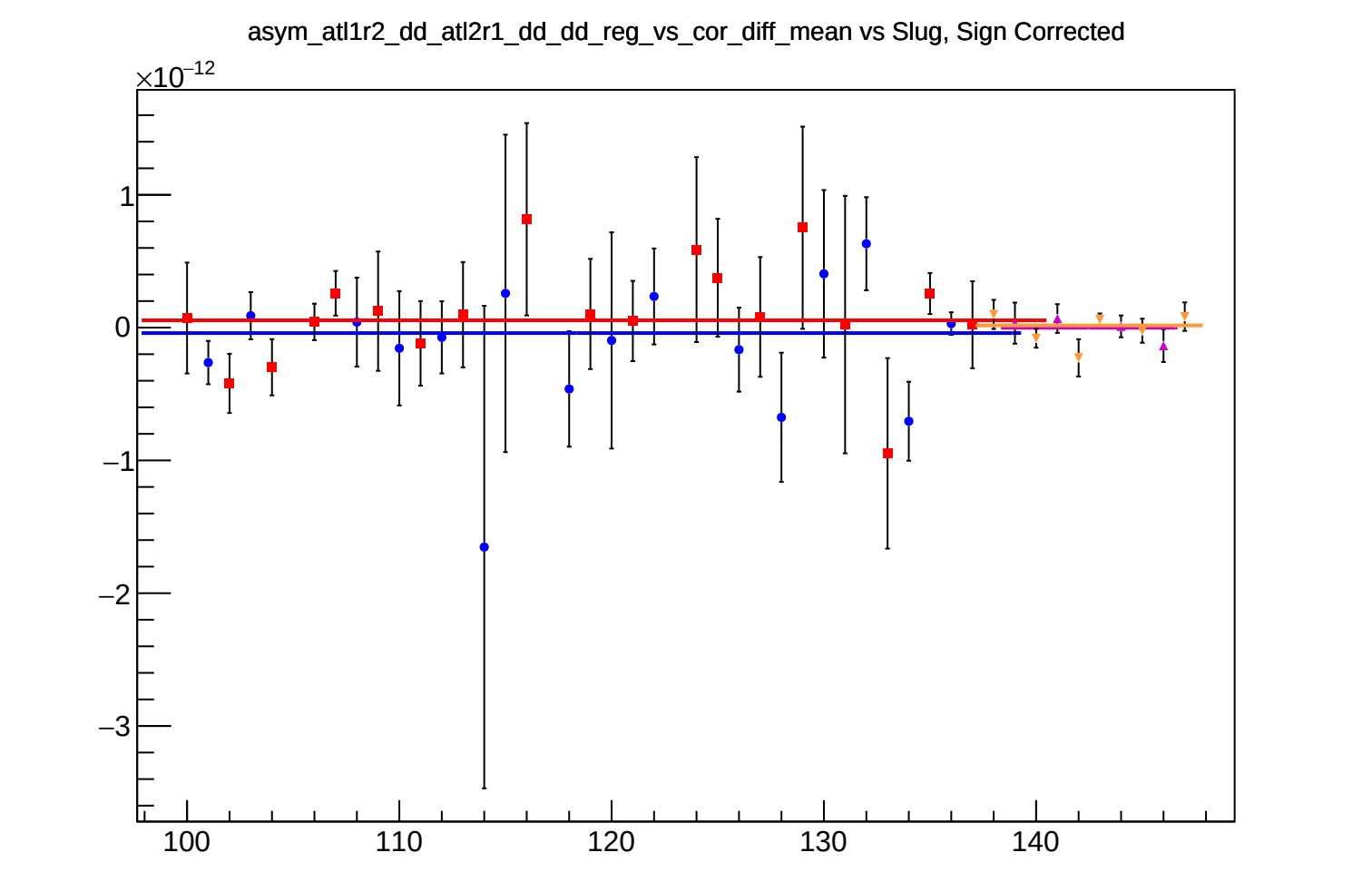
Left: 3584.704+/-0.909 χ^2/NDF: 453824.0/9

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3839.535+/-0.839 χ^2/NDF:438717.7/19

Out: 3441.482+/-0.722 χ^2/NDF:902845.5/24

All: 3611.029+/-0.547 χ^2/NDF: 1470866.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

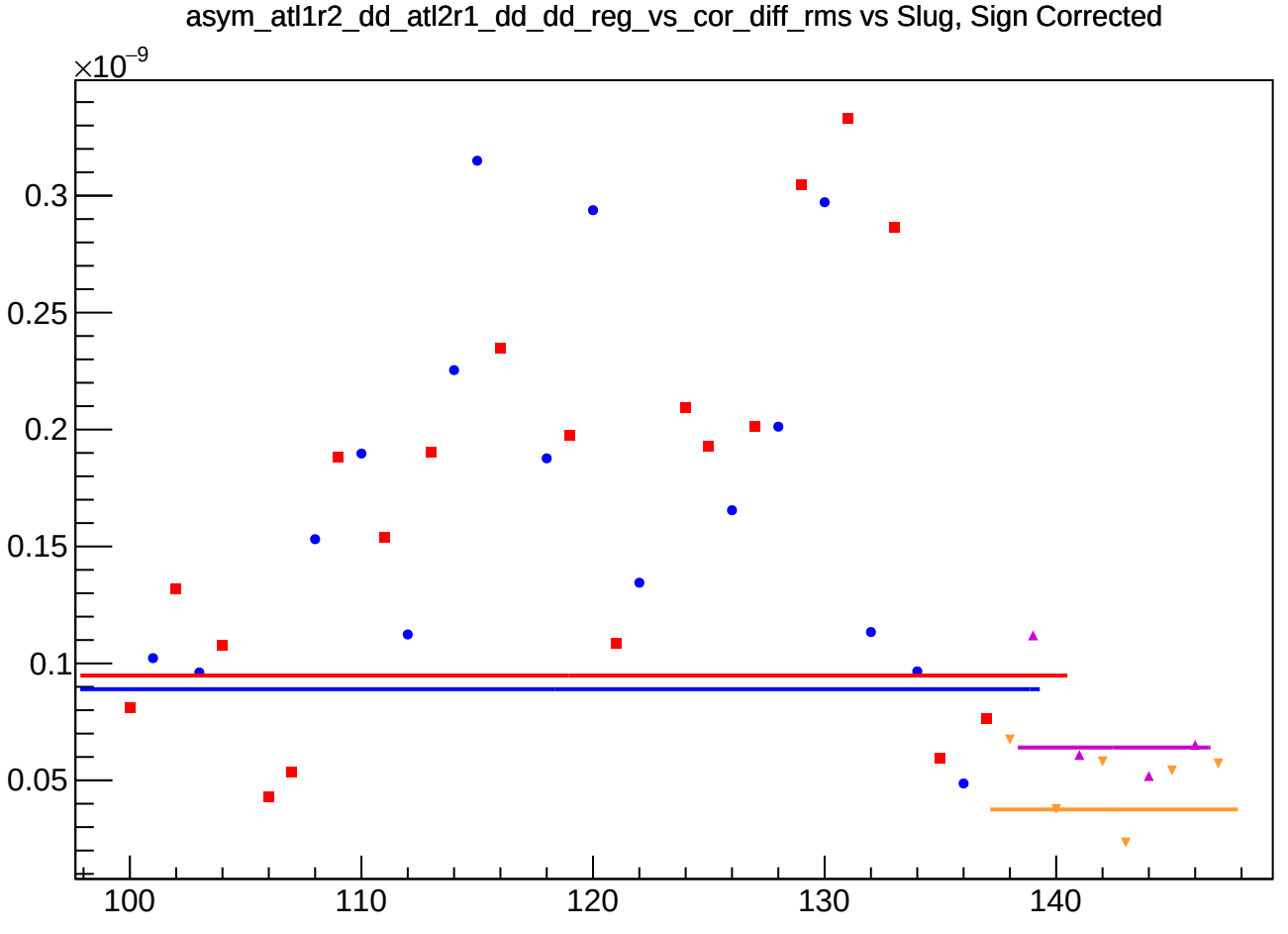
Left: 0.000+/-0.000 χ^2/NDF: 8.9/9

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:18.6/19

Out: 0.000+/-0.000 χ^2/NDF:23.3/24

All: 0.000+/-0.000 χ^2/NDF: 42.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:535365.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:237876.8/3

Left: 0.000+/-0.000 χ^2/NDF: 1136058.7/9

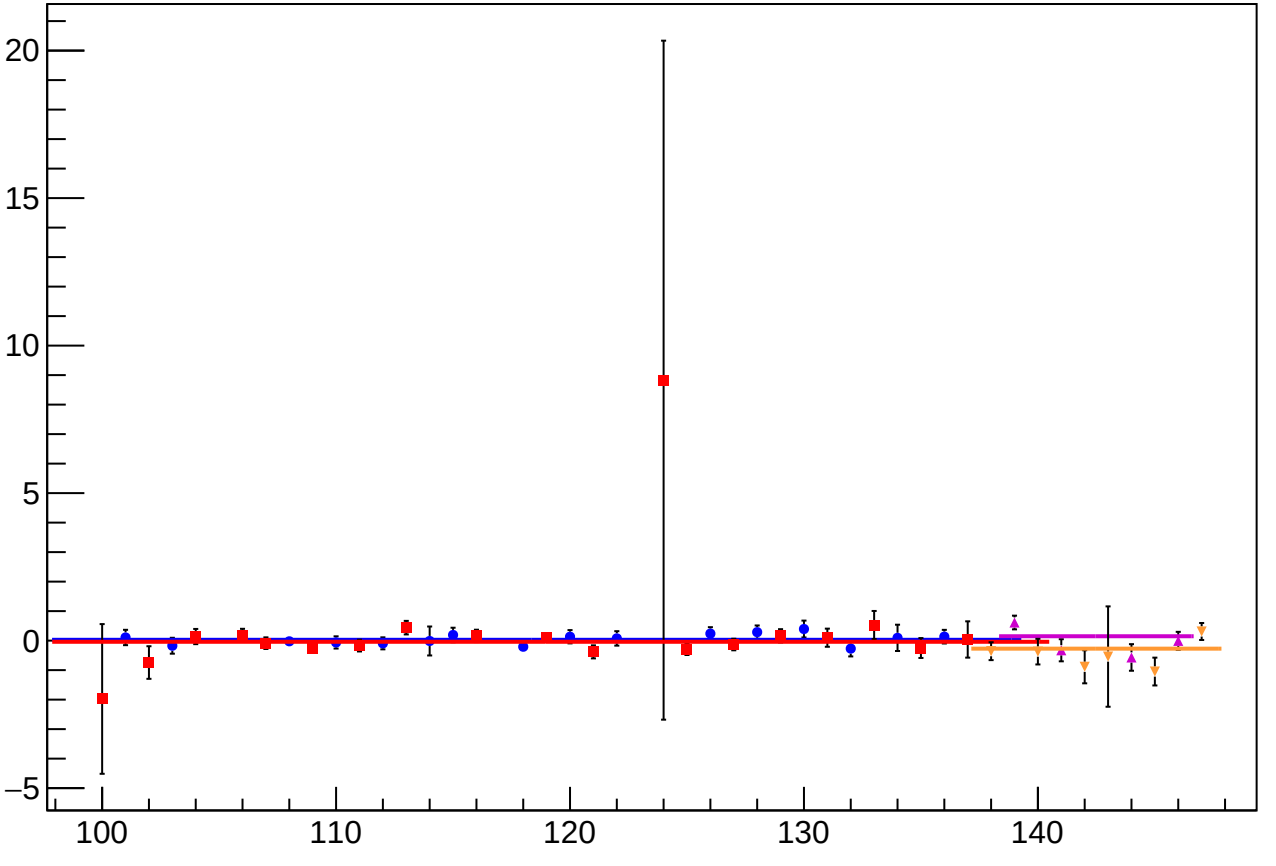
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:1892769.8/19

Out: 0.000+/-0.000 χ^2/NDF:3572562.2/24

All: 0.000+/-0.000 χ^2/NDF: 6091735.2/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

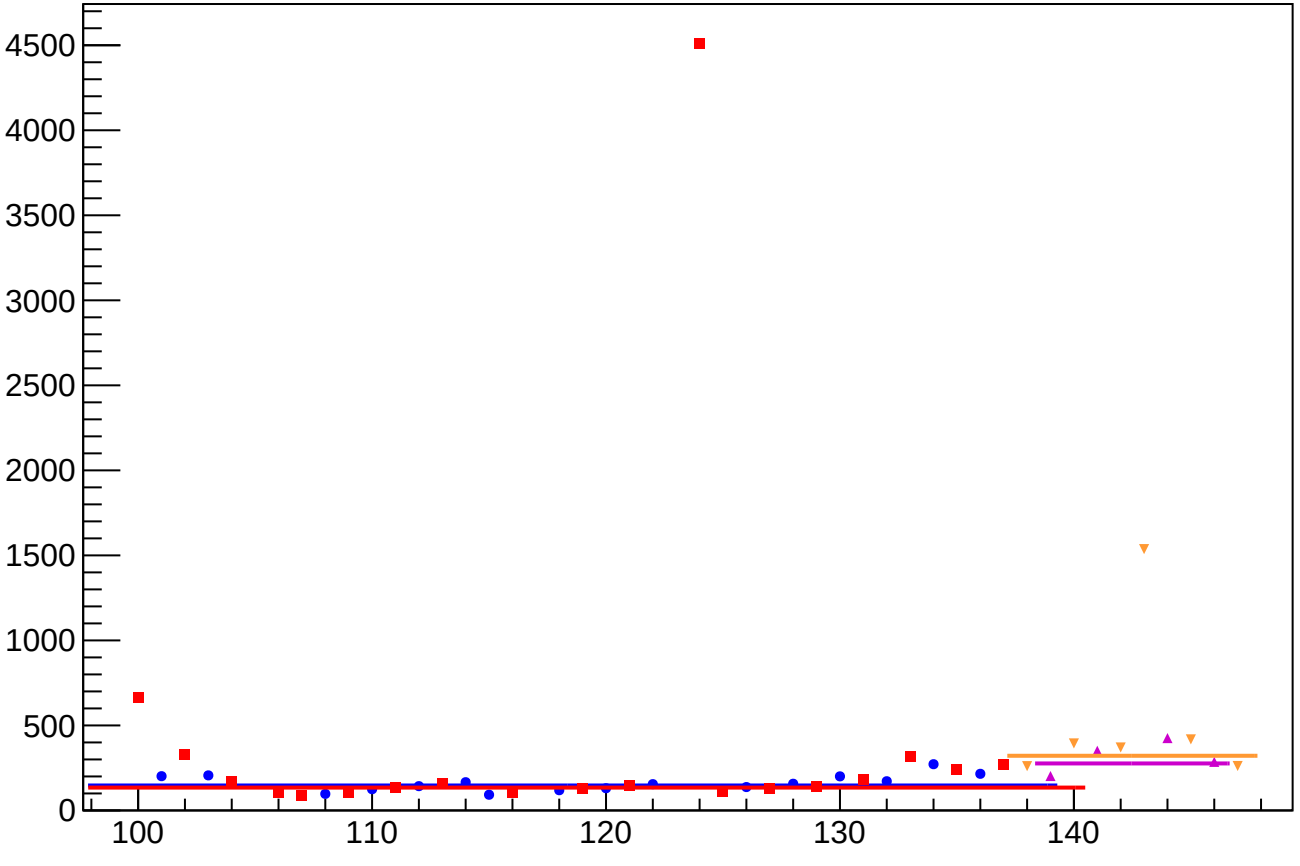
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

Left: 297.611+/-0.080 χ^2/NDF: 1925516.1/9

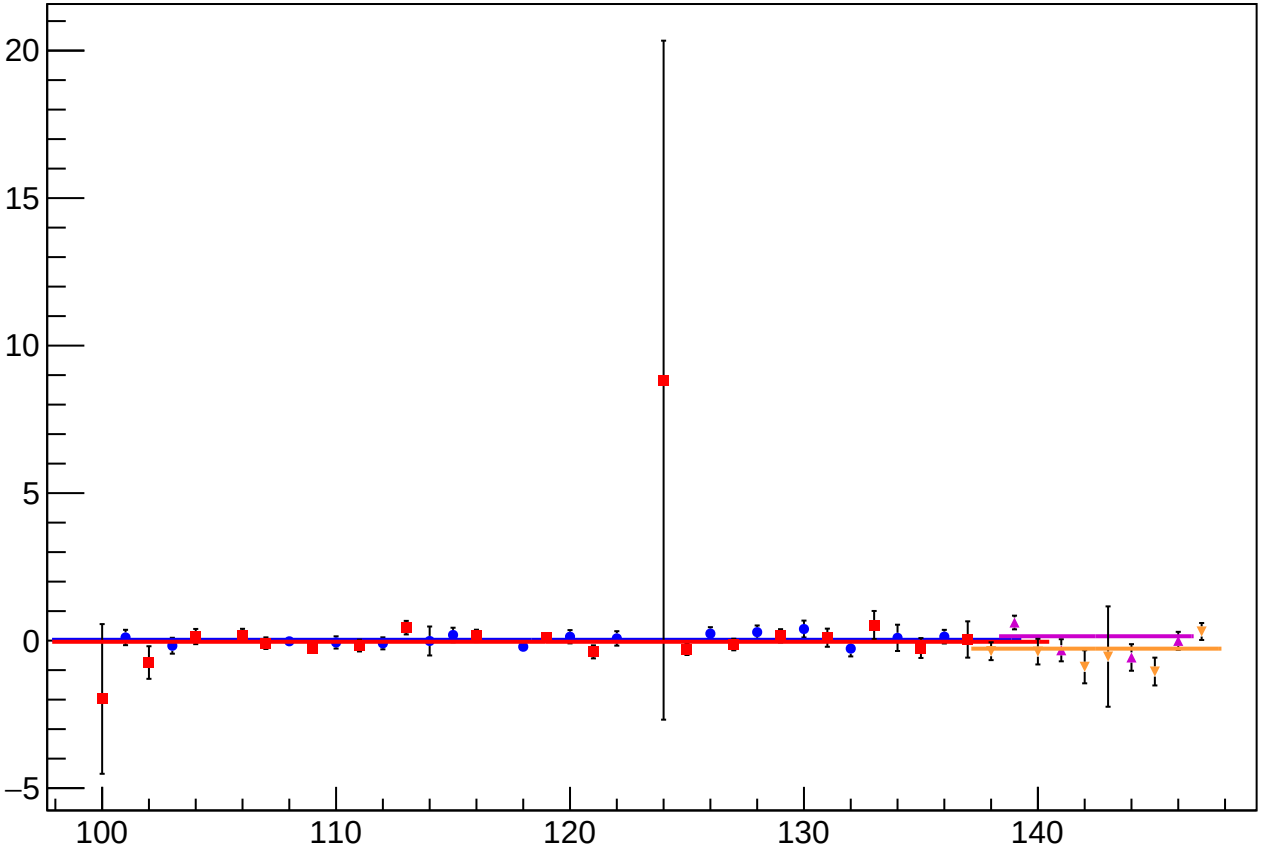
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

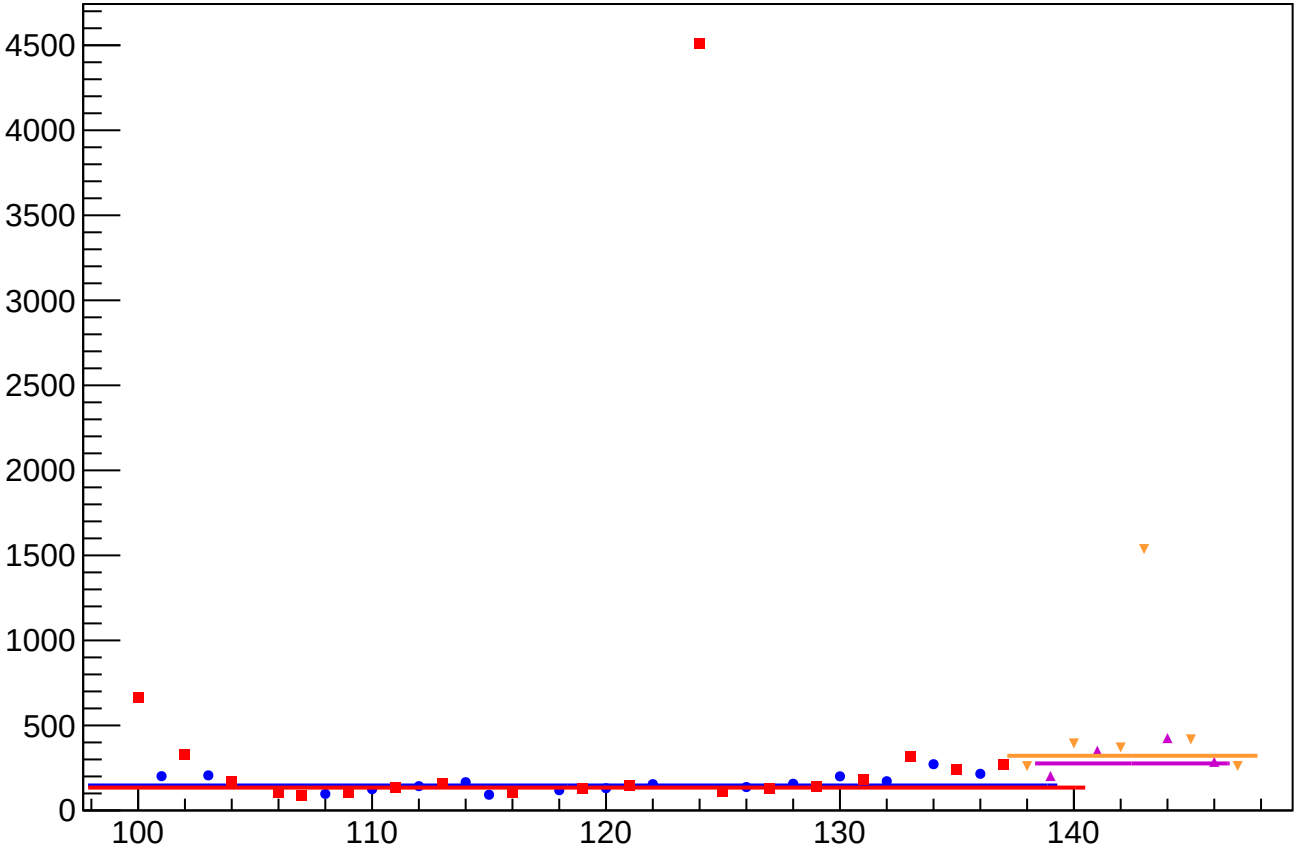
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.591+/-0.117 χ^2/NDF:1344792.9/5

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 276.470+/-0.110 χ^2/NDF:502087.4/3

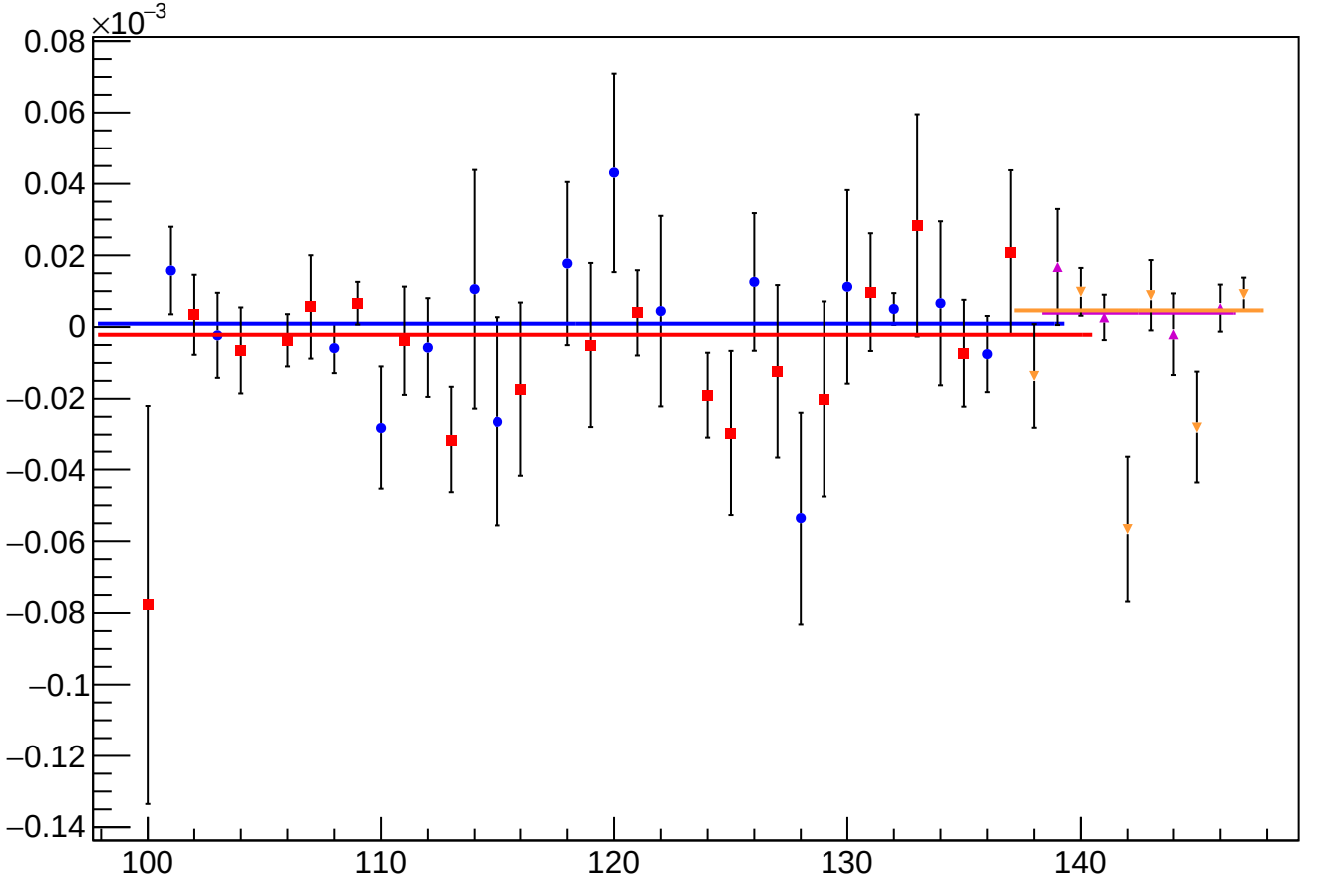
Left: 297.611+/-0.080 χ^2/NDF: 1925516.1/9

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 162.474+/-0.038 χ^2/NDF:2719057.3/19

Out: 152.899+/-0.037 χ^2/NDF:5244796.1/24

All: 157.497+/-0.027 χ^2/NDF: 7996401.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

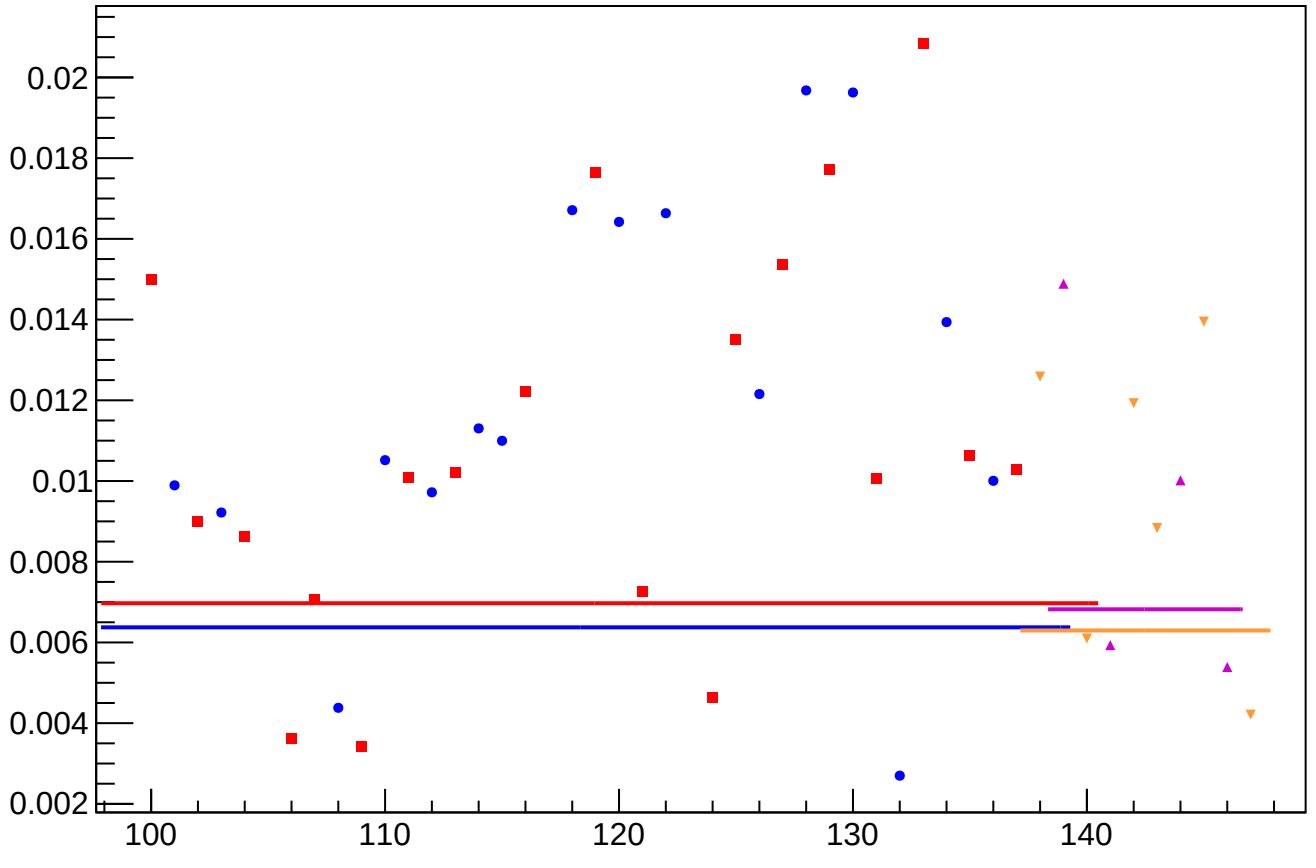
Left: 0.000+/-0.000 χ^2/NDF: 17.9/9

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:16.2/19

Out: 0.000+/-0.000 χ^2/NDF:35.3/24

All: 0.000+/-0.000 χ^2/NDF: 51.6/44



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1557715.0/5

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.007+/-0.000 χ^2/NDF:788404.7/3

Left: 0.007+/-0.000 χ^2/NDF: 2365957.8/9

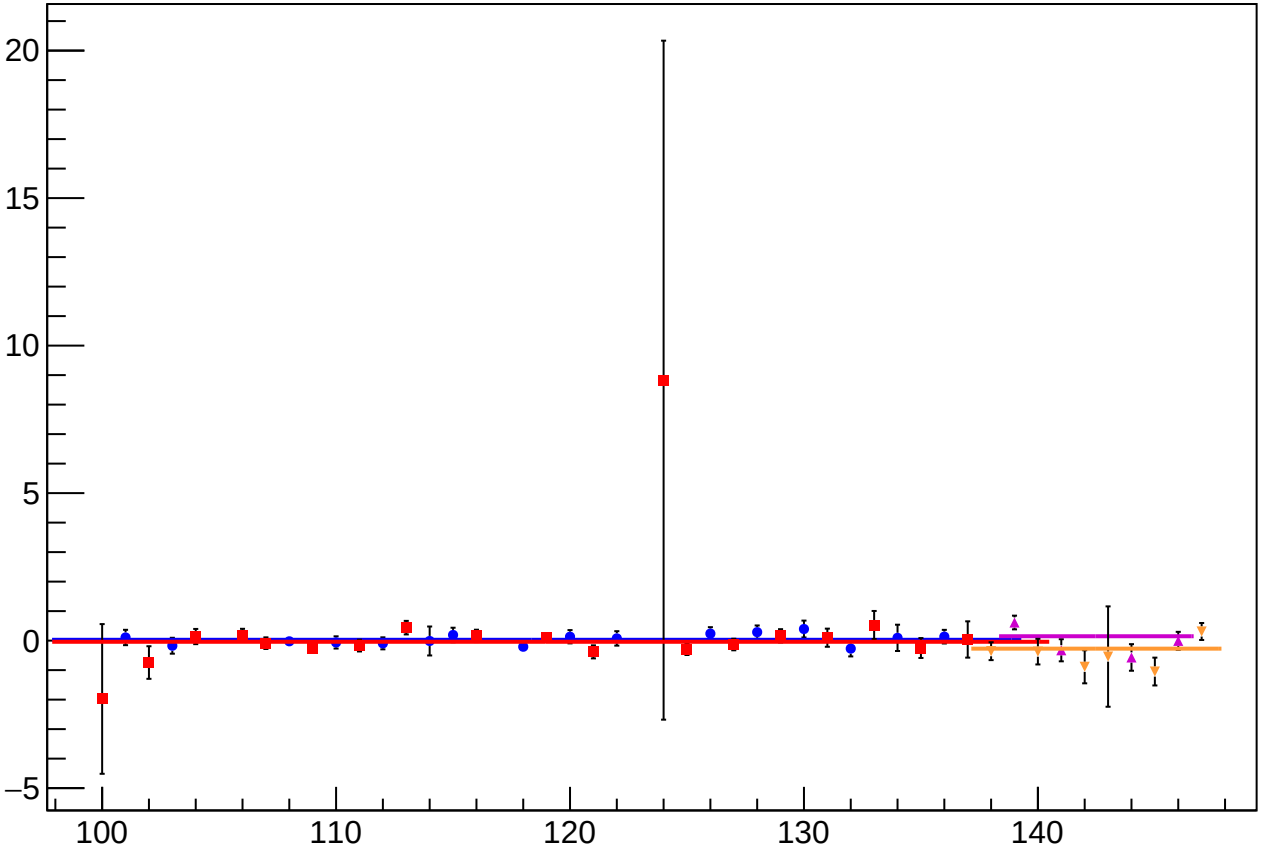
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.007+/-0.000 χ^2/NDF:5443979.9/19

Out: 0.007+/-0.000 χ^2/NDF:5013010.4/24

All: 0.007+/-0.000 χ^2/NDF: 10460718.8/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

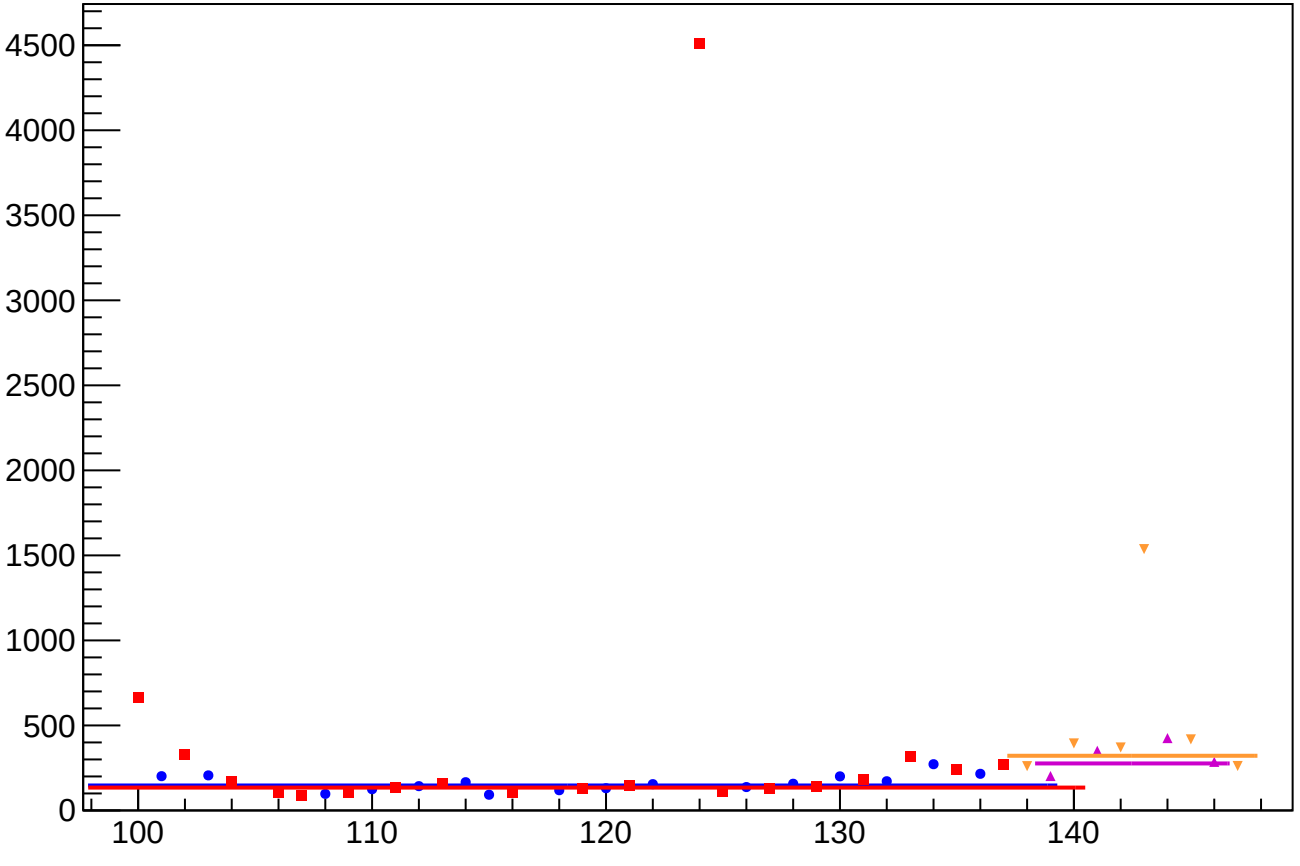
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

Left: 297.615+/-0.080 χ^2/NDF: 1925490.3/9

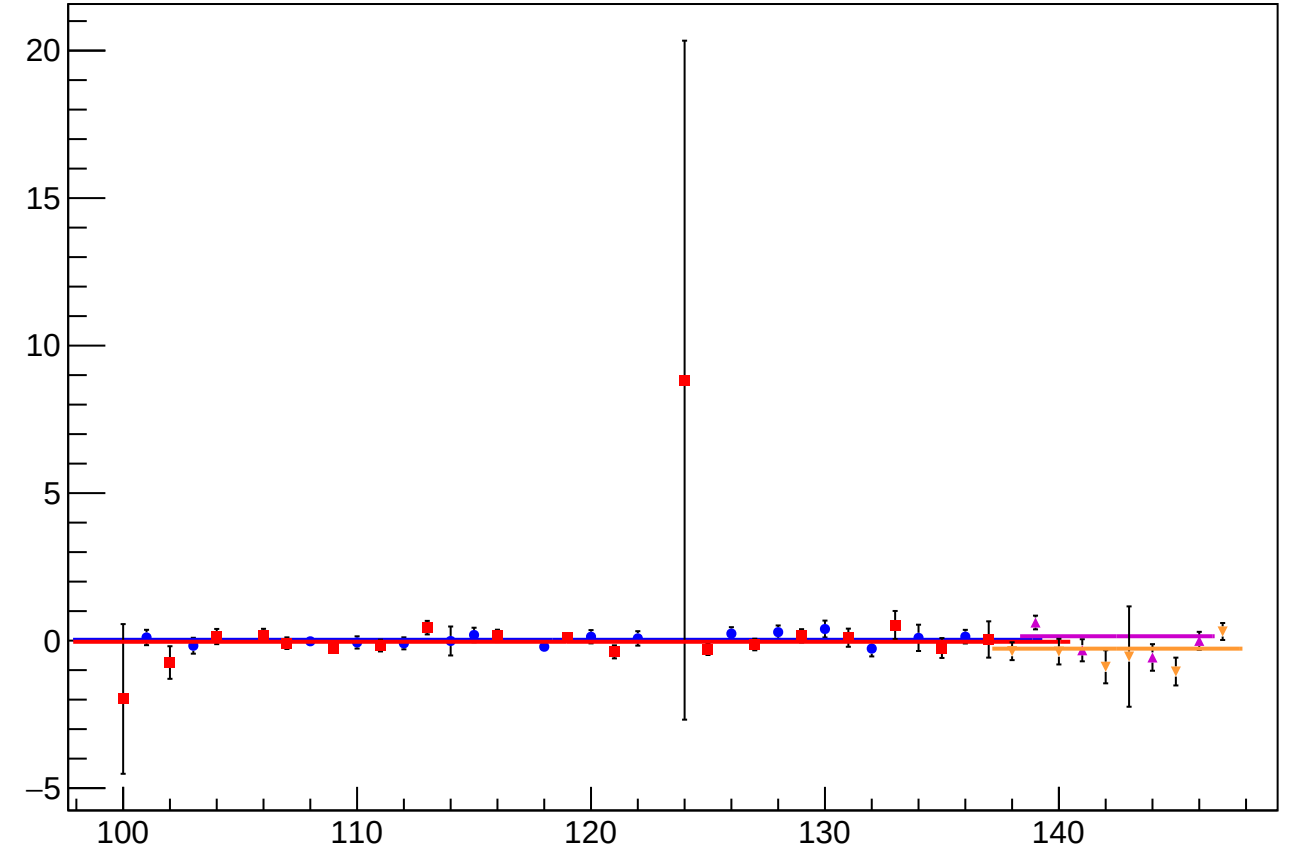
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44

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: -0.272+/-0.166 χ^2/NDF:8.2/5

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.148+/-0.156 χ^2/NDF:8.4/3

Left: -0.049+/-0.114 χ^2/NDF: 20.0/9

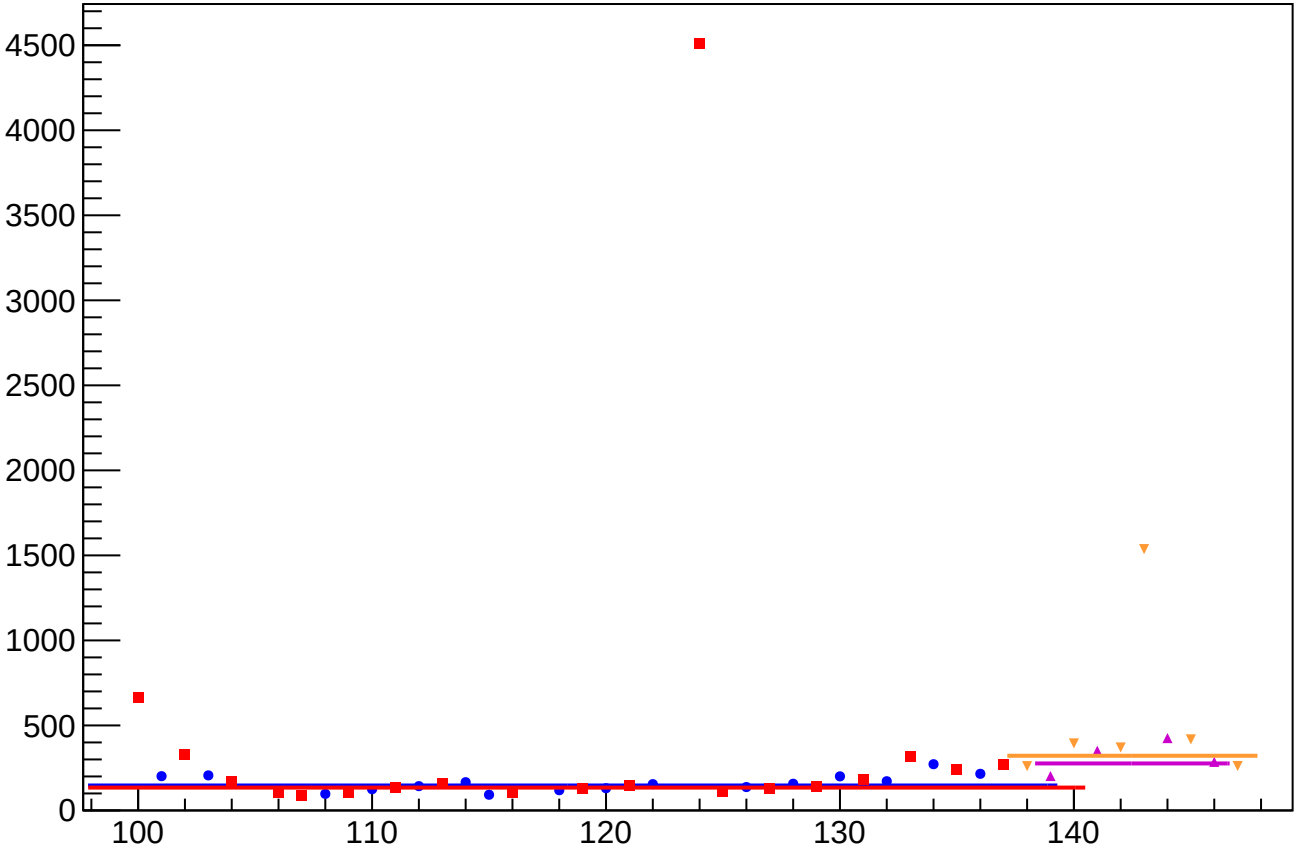
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.042+/-0.054 χ^2/NDF:18.4/19

Out: -0.062+/-0.052 χ^2/NDF:29.9/24

All: -0.012+/-0.037 χ^2/NDF: 50.3/44

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: 321.595+/-0.117 χ^2/NDF:1344790.1/5

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 276.474+/-0.110 χ^2/NDF:502069.7/3

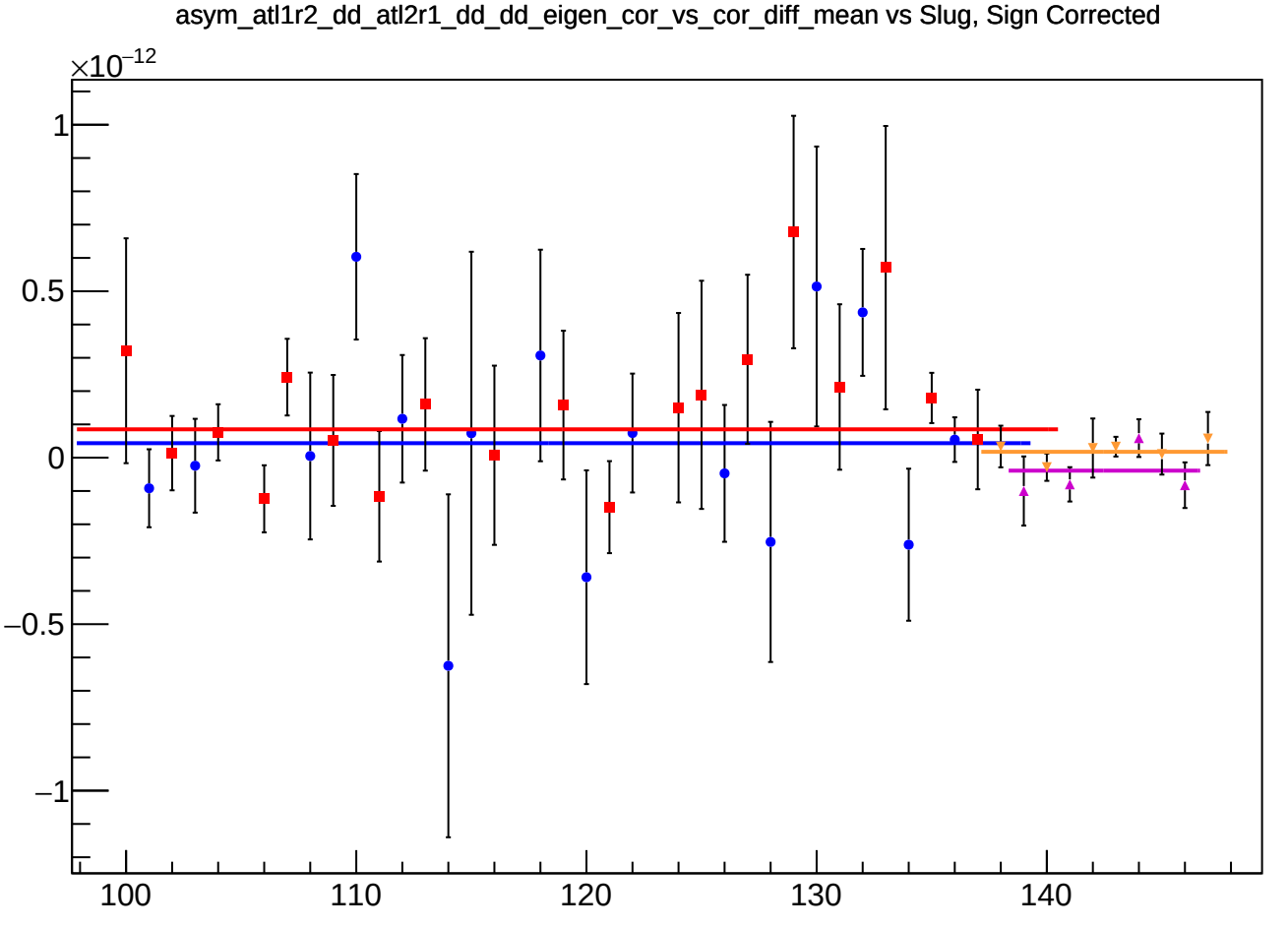
Left: 297.615+/-0.080 χ^2/NDF: 1925490.3/9

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 162.474+/-0.038 χ^2/NDF:2719035.7/19

Out: 152.900+/-0.037 χ^2/NDF:5244730.8/24

All: 157.498+/-0.027 χ^2/NDF: 7996305.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/3

Left: 0.000+/-0.000 χ^2/NDF: 8.5/9

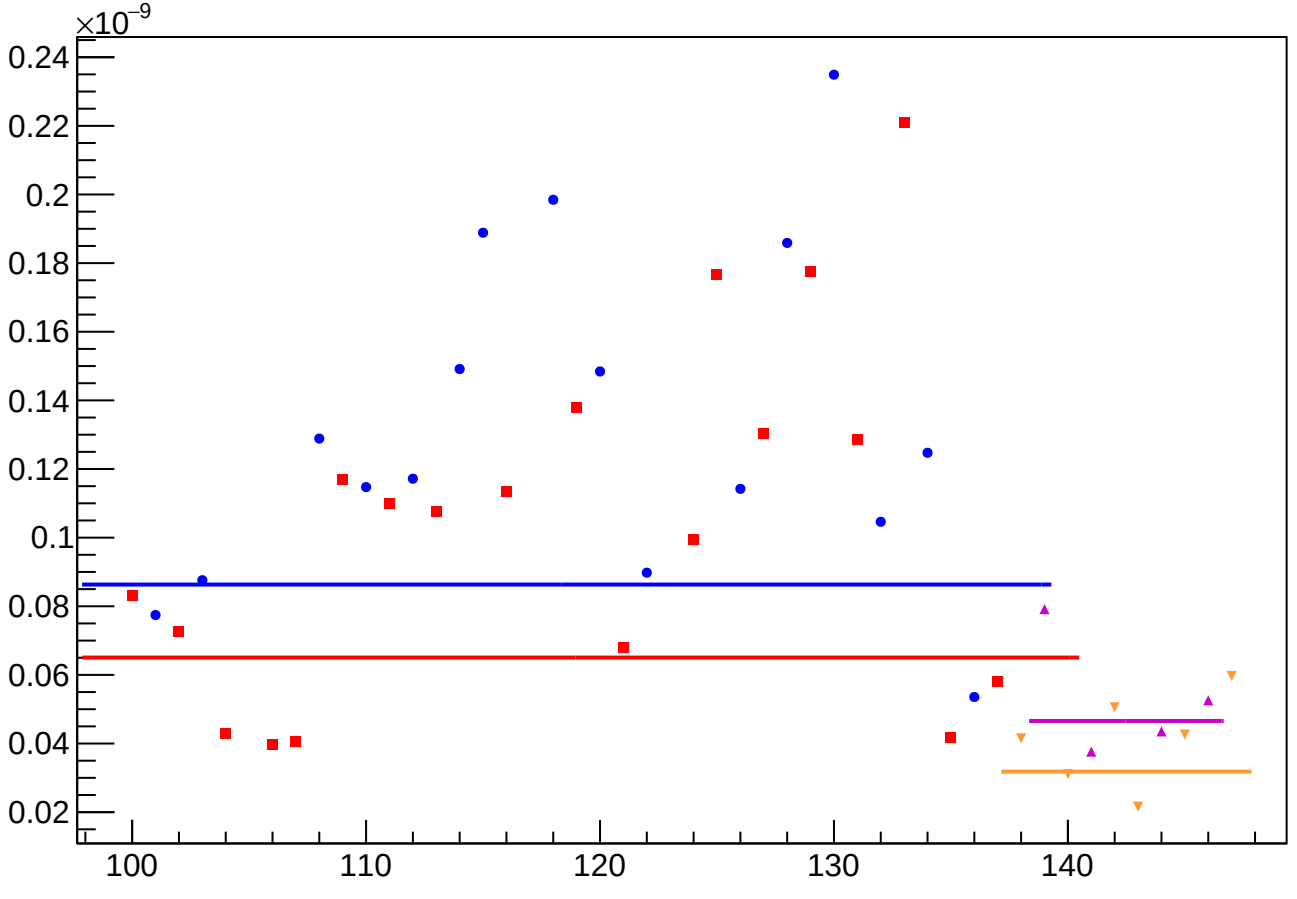
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/19

Out: 0.000+/-0.000 χ^2/NDF:23.0/24

All: 0.000+/-0.000 χ^2/NDF: 50.8/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:681541.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:278333.2/3

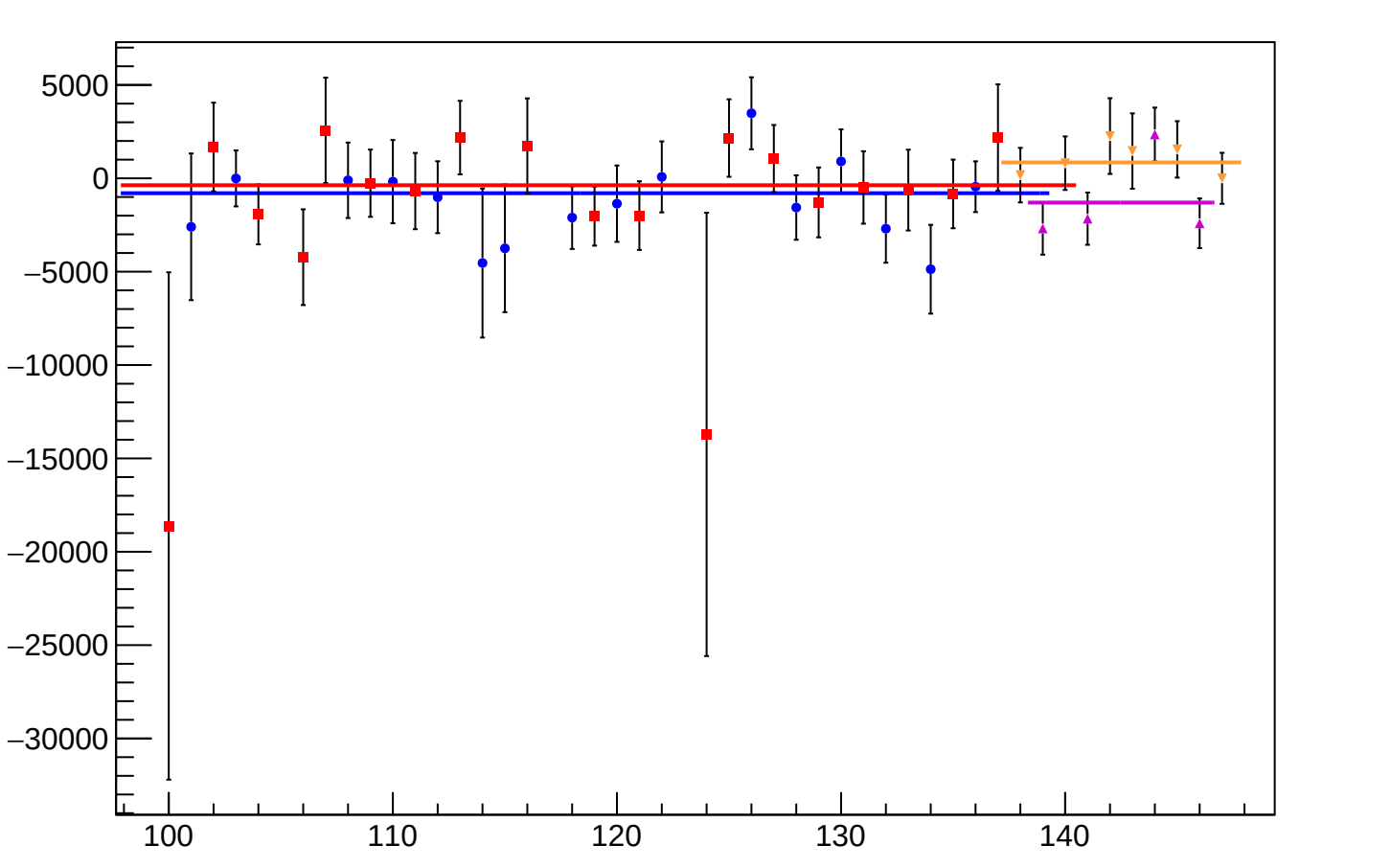
Left: 0.000+/-0.000 χ^2/NDF: 1271028.9/9

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:2959604.3/19

Out: 0.000+/-0.000 χ^2/NDF:4251263.5/24

All: 0.000+/-0.000 χ^2/NDF: 8103120.6/44



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 852.730+/-643.147 χ^2/NDF:1.4/5

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -1300.787+/-695.777 χ^2/NDF:8.5/3

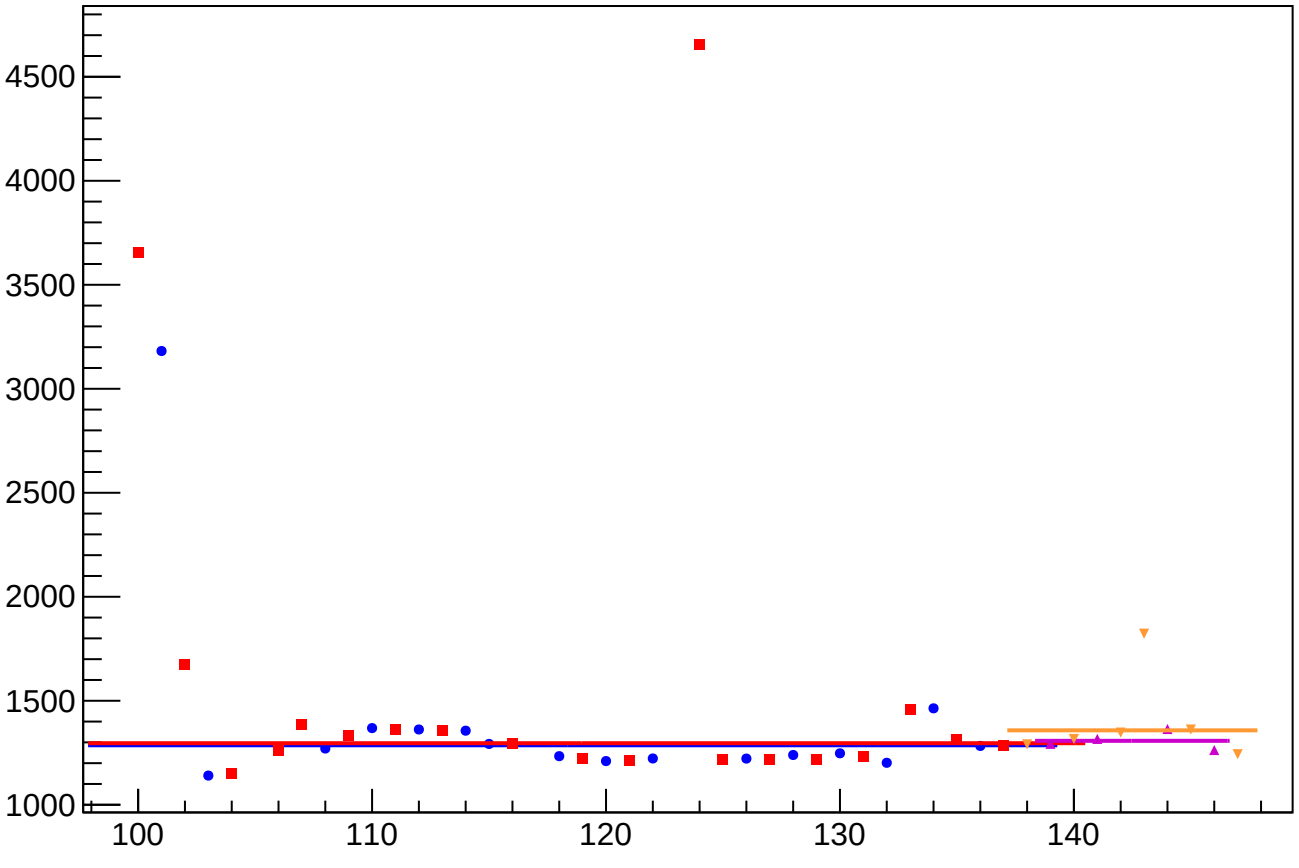
Left: -139.510+/-472.285 χ^2/NDF: 15.0/9

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -963.053+/-399.227 χ^2/NDF:22.3/19

Out: 74.217+/-387.656 χ^2/NDF:19.3/24

All: -429.168+/-278.115 χ^2/NDF: 45.0/44



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1334.597+/-0.334 χ^2/NDF: 137528.0/9

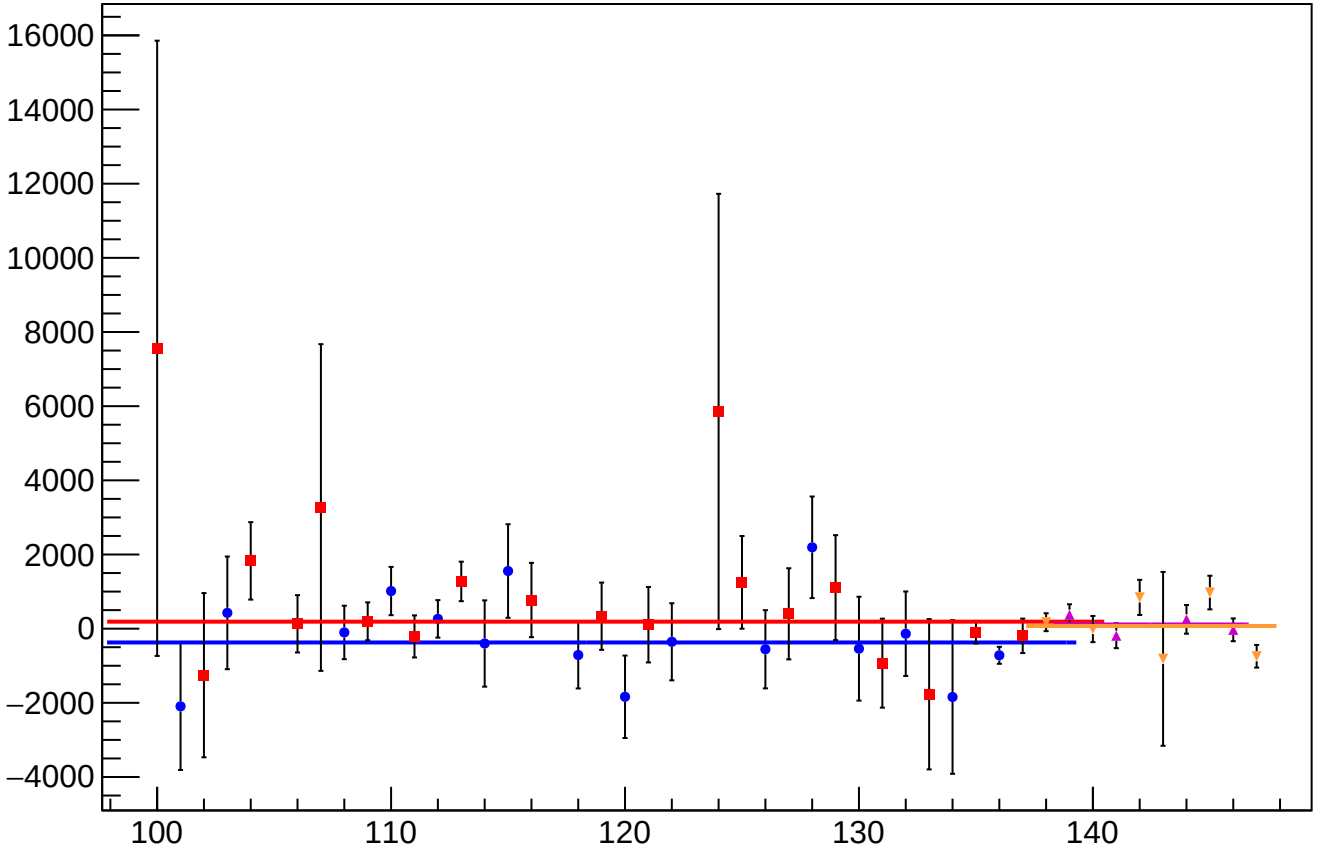
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1293.111+/-0.282 χ^2/NDF:525020.1/19

Out: 1318.428+/-0.274 χ^2/NDF:466088.7/24

All: 1306.142+/-0.197 χ^2/NDF: 995248.4/44

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: 71.773+/-148.385 χ^2/NDF:14.1/5

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 112.952+/-160.733 χ^2/NDF:2.0/3

Left: 90.720+/-109.028 χ^2/NDF: 16.2/9

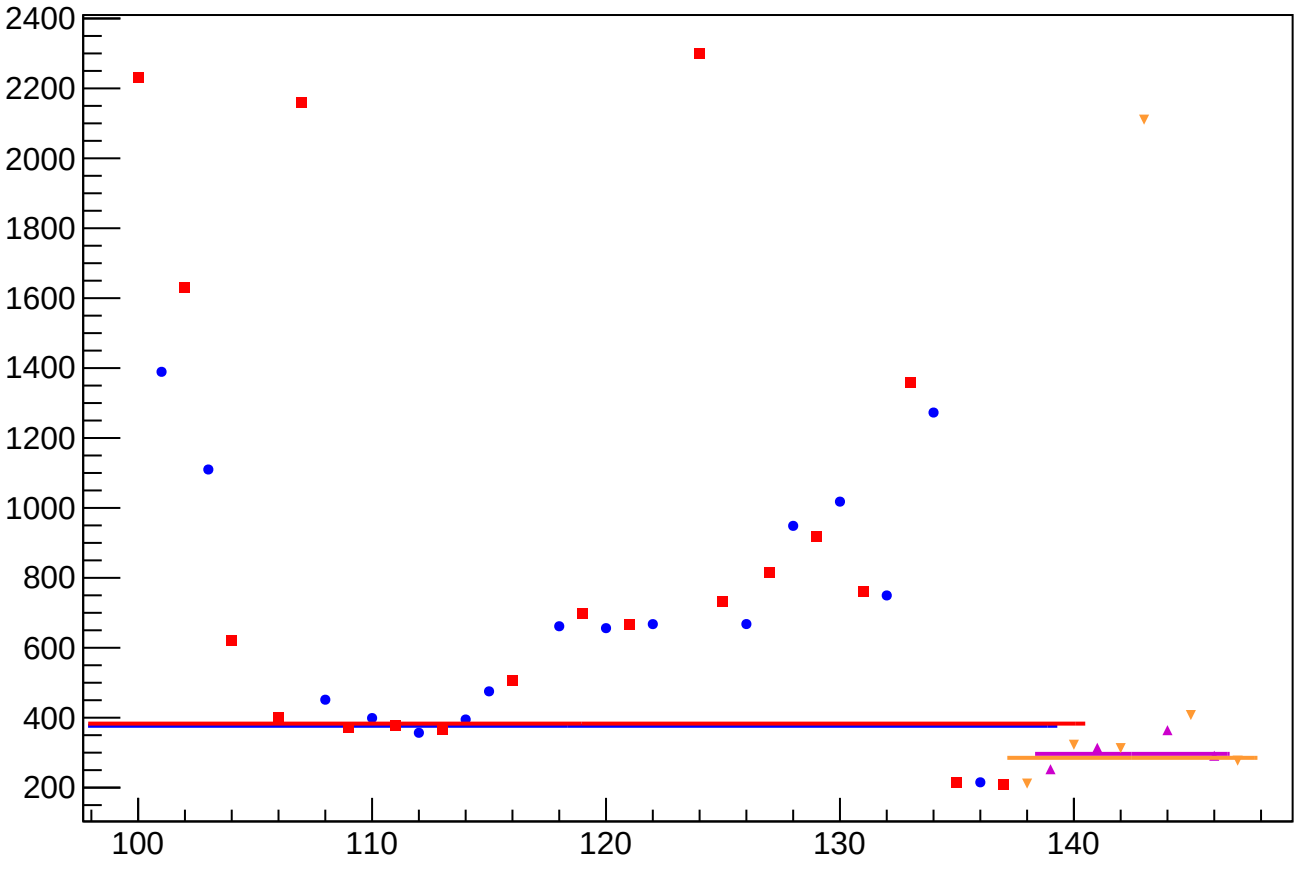
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -118.671+/-116.207 χ^2/NDF:24.5/19

Out: 122.585+/-111.669 χ^2/NDF:29.0/24

All: 6.759+/-80.518 χ^2/NDF: 55.8/44

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: 285.205+/-0.105 χ^2/NDF:1575201.5/5

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 296.534+/-0.114 χ^2/NDF:115766.0/3

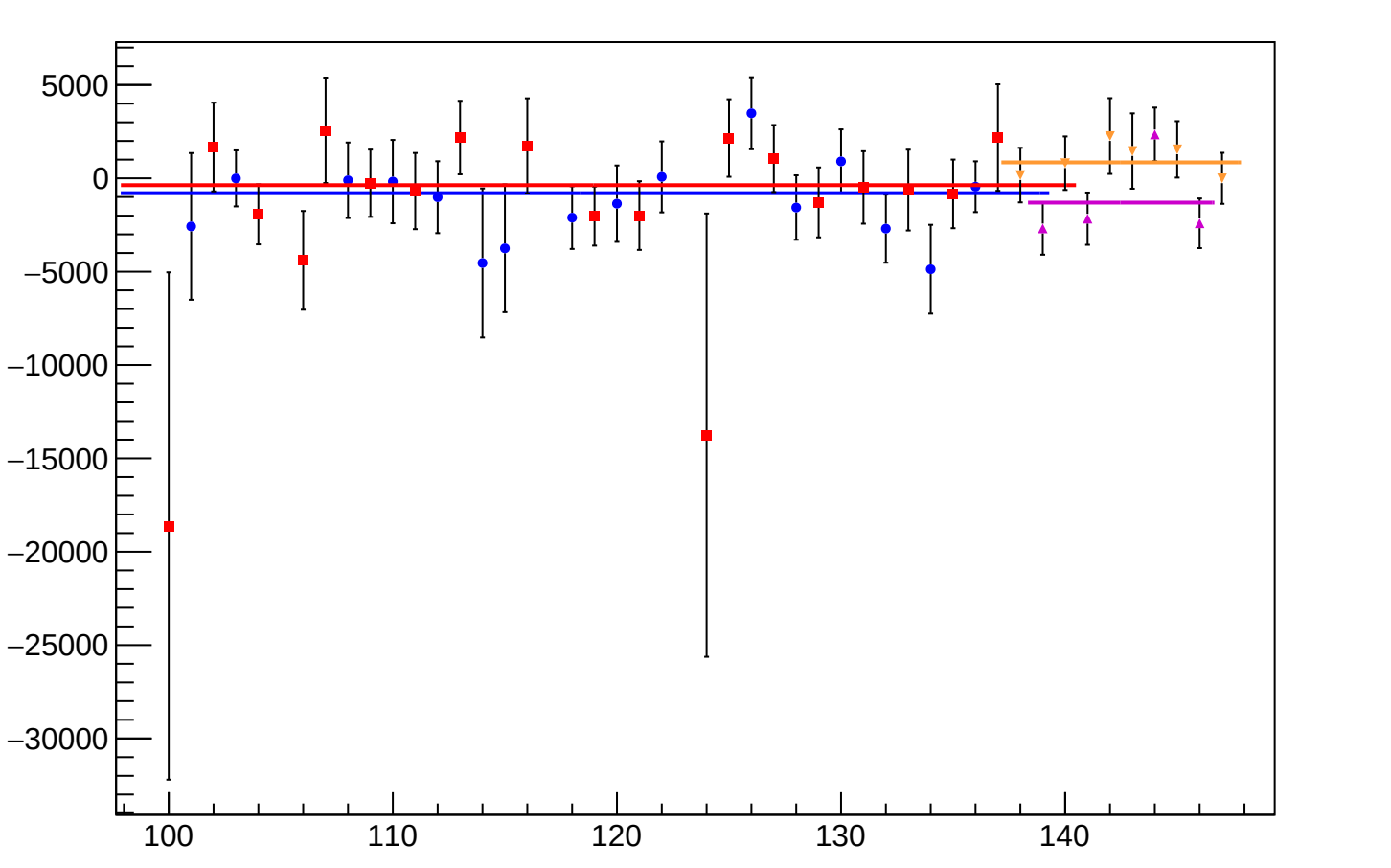
Left: 290.418+/-0.077 χ^2/NDF: 1696331.4/9

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 334.889+/-0.082 χ^2/NDF:4544565.5/19

Out: 327.646+/-0.079 χ^2/NDF:6006615.2/24

All: 331.123+/-0.057 χ^2/NDF: 10555220.3/44



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 852.766+/-643.147 χ^2/NDF:1.4/5

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -1300.878+/-695.777 χ^2/NDF:8.5/3

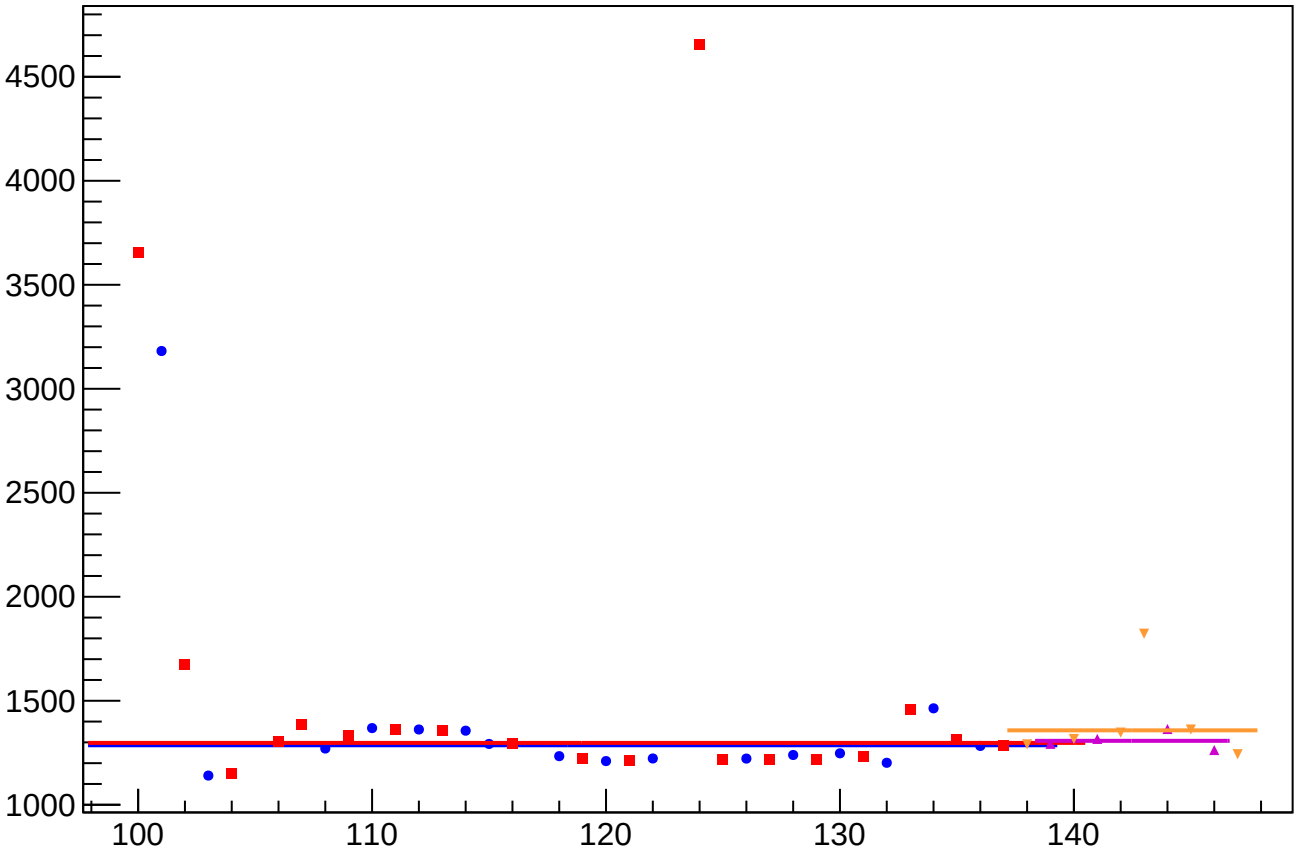
Left: -139.533+/-472.285 χ^2/NDF: 15.0/9

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -962.814+/-399.227 χ^2/NDF:22.2/19

Out: 76.451+/-387.921 χ^2/NDF:19.4/24

All: -428.257+/-278.213 χ^2/NDF: 45.1/44



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1334.597+/-0.334 χ^2/NDF: 137528.0/9

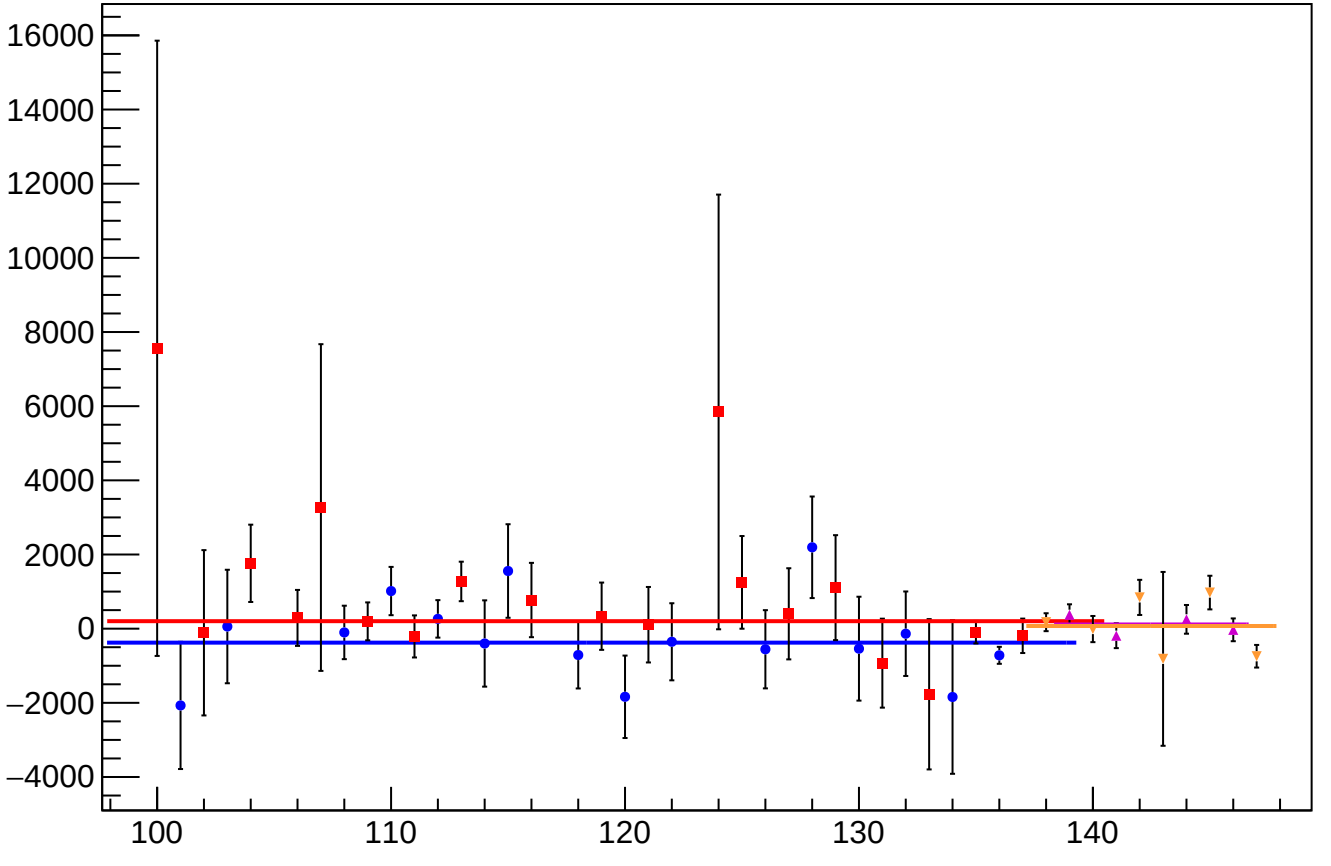
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1293.111+/-0.282 χ^2/NDF:525021.6/19

Out: 1319.382+/-0.274 χ^2/NDF:465205.3/24

All: 1306.624+/-0.197 χ^2/NDF: 994681.3/44

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: 71.856+/-148.390 χ^2/NDF:14.1/5

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 113.044+/-160.731 χ^2/NDF:2.0/3

Left: 90.808+/-109.030 χ^2/NDF: 16.2/9

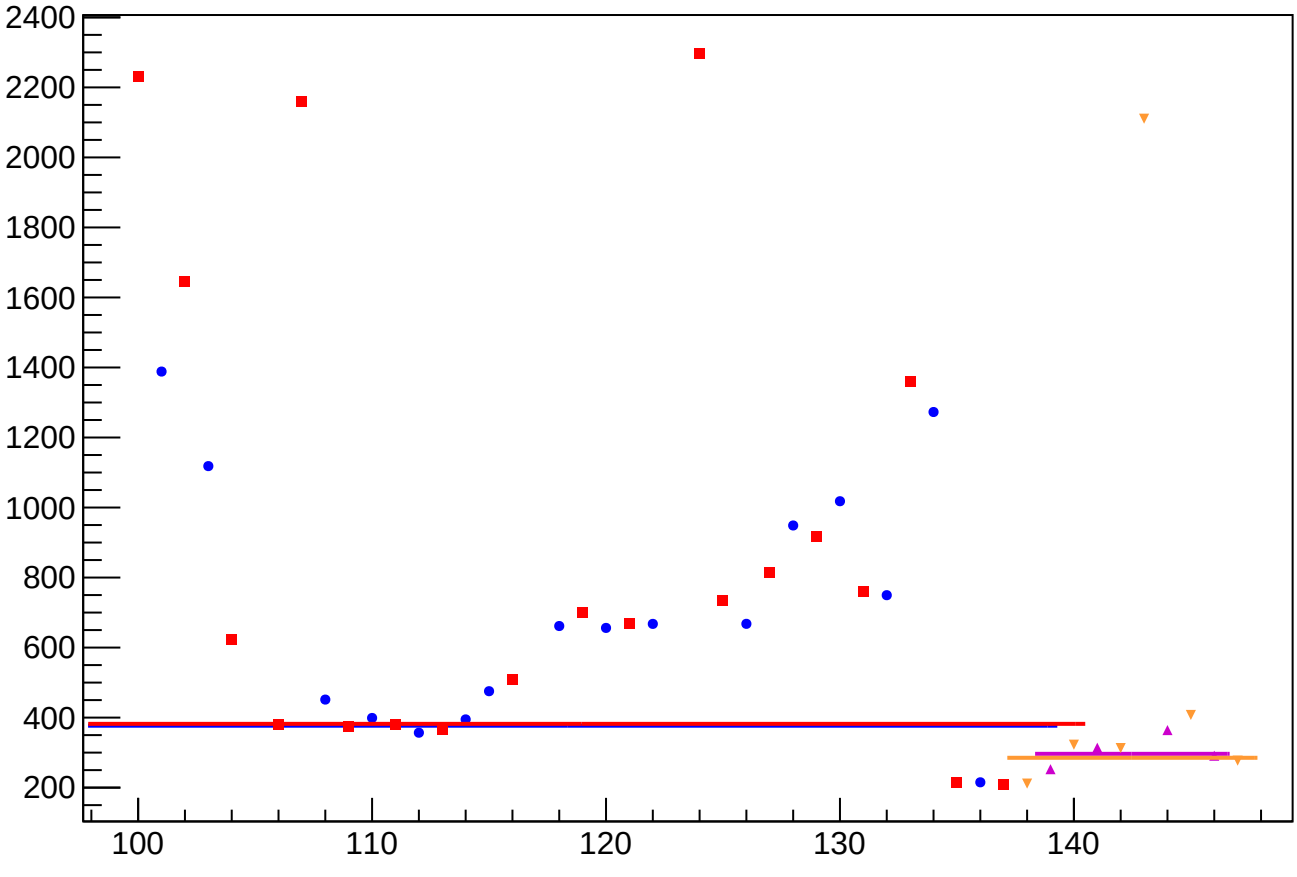
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -120.714+/-116.213 χ^2/NDF:24.4/19

Out: 128.432+/-111.615 χ^2/NDF:28.5/24

All: 8.885+/-80.500 χ^2/NDF: 55.3/44

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

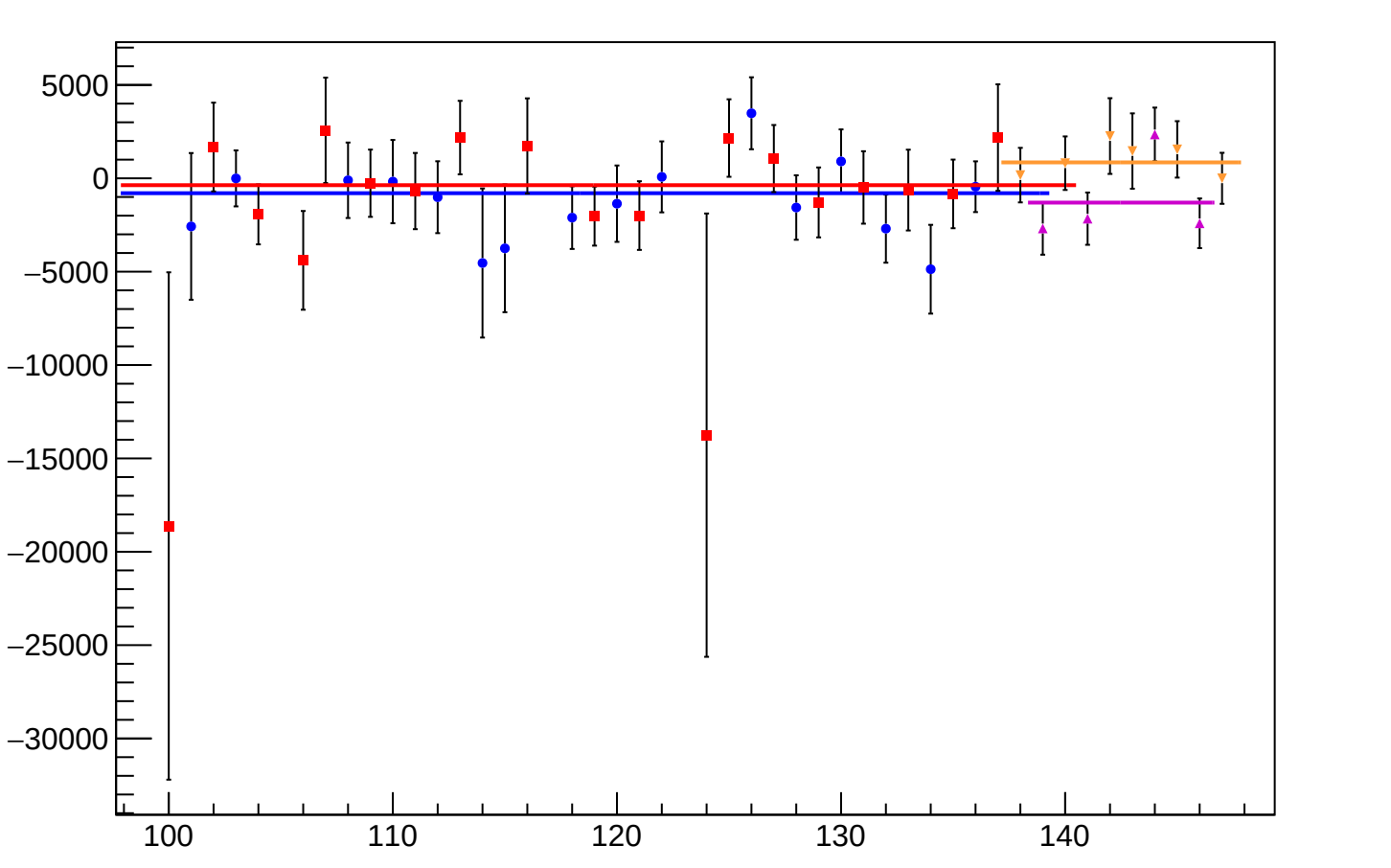
Left: 290.422+/-0.077 χ^2/NDF: 1696306.2/9

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 334.878+/-0.082 χ^2/NDF:4547620.3/19

Out: 327.303+/-0.079 χ^2/NDF:6005298.7/24

All: 330.938+/-0.057 χ^2/NDF: 10557339.6/44



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 852.766+/-643.147 χ^2/NDF:1.4/5

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -1300.878+/-695.777 χ^2/NDF:8.5/3

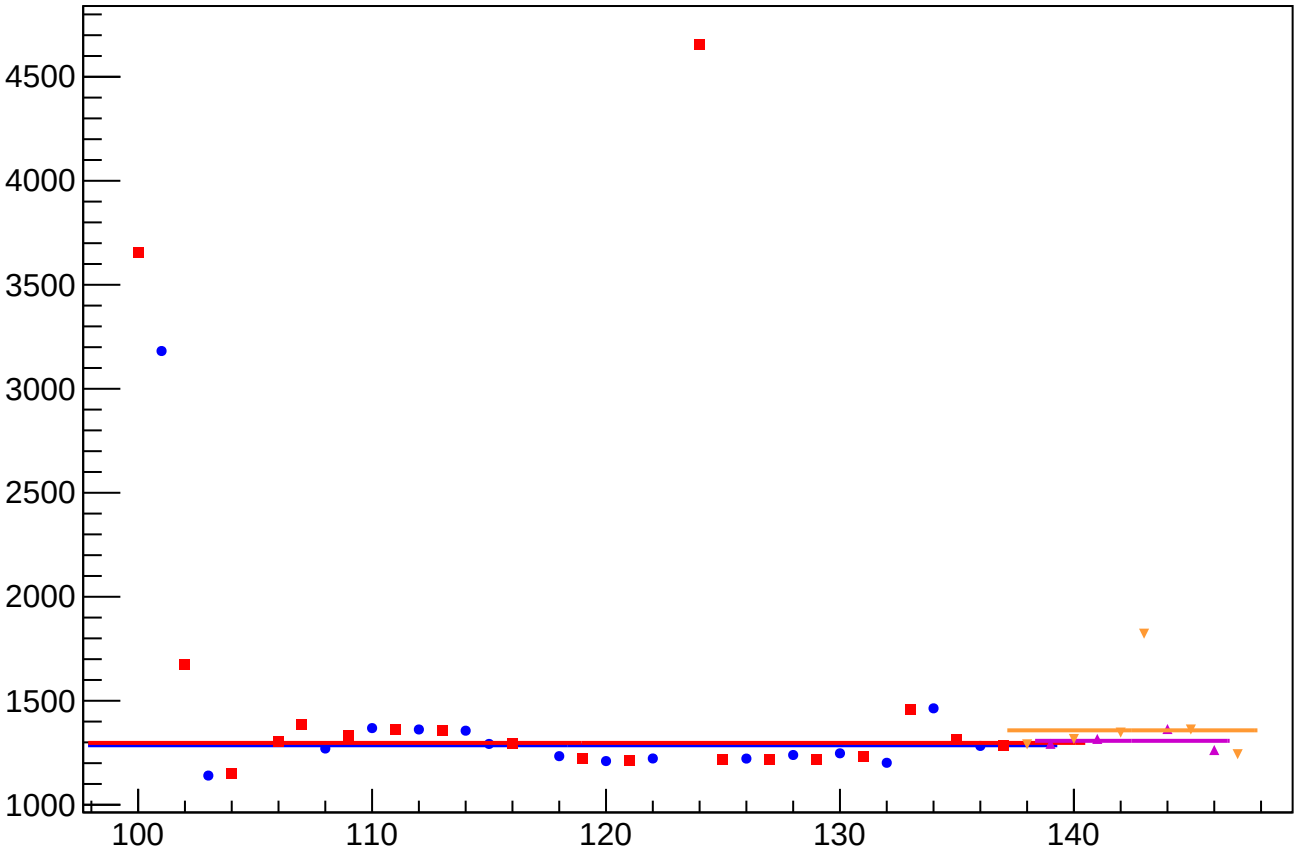
Left: -139.533+/-472.285 χ^2/NDF: 15.0/9

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -962.814+/-399.227 χ^2/NDF:22.2/19

Out: 76.451+/-387.921 χ^2/NDF:19.4/24

All: -428.257+/-278.213 χ^2/NDF: 45.1/44



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1357.833+/-0.455 χ^2/NDF:126226.9/5

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1307.402+/-0.492 χ^2/NDF:5635.3/3

Left: 1334.597+/-0.334 χ^2/NDF: 137528.0/9

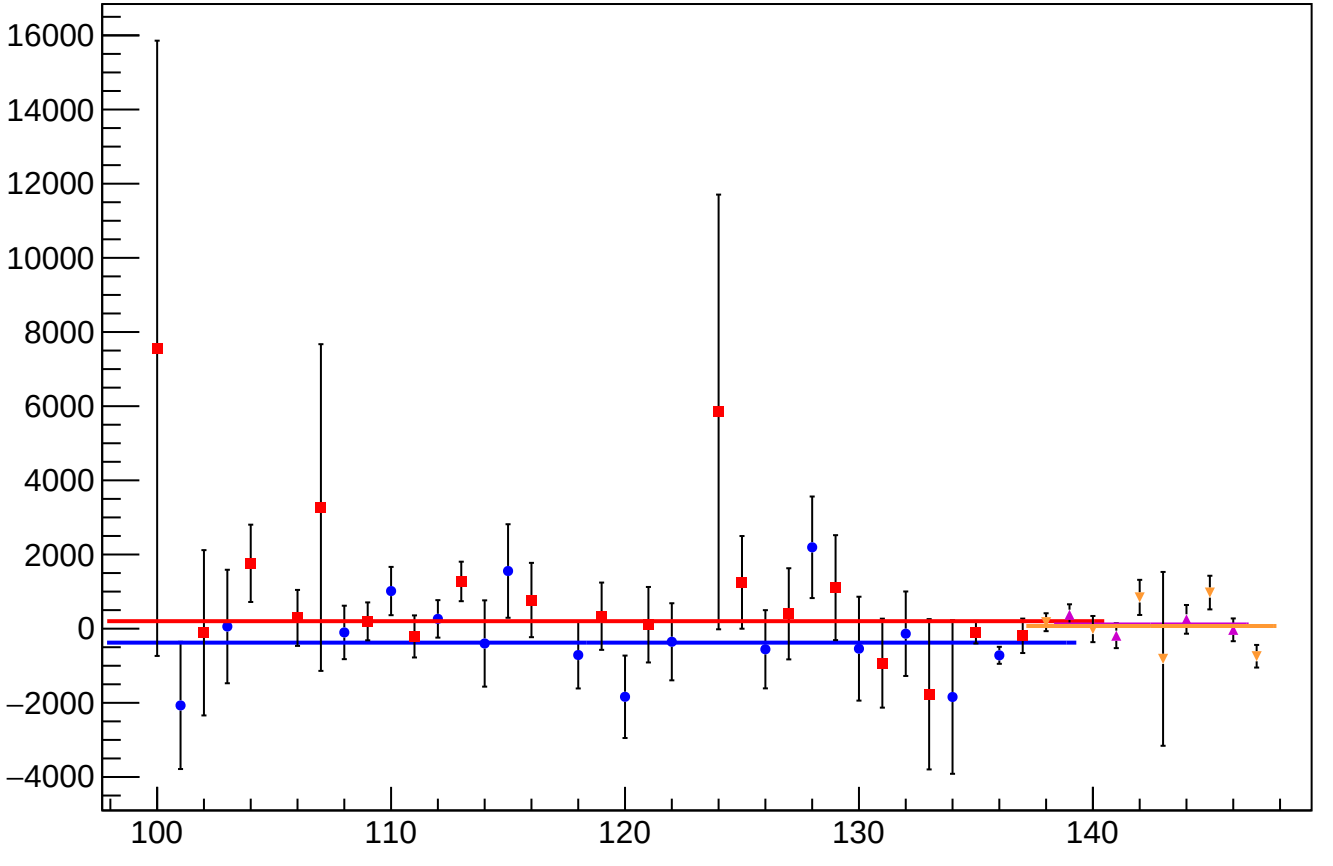
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1293.111+/-0.282 χ^2/NDF:525021.6/19

Out: 1319.382+/-0.274 χ^2/NDF:465205.3/24

All: 1306.624+/-0.197 χ^2/NDF: 994681.3/44

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: 71.856+/-148.390 χ^2/NDF:14.1/5

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 113.044+/-160.731 χ^2/NDF:2.0/3

Left: 90.808+/-109.030 χ^2/NDF: 16.2/9

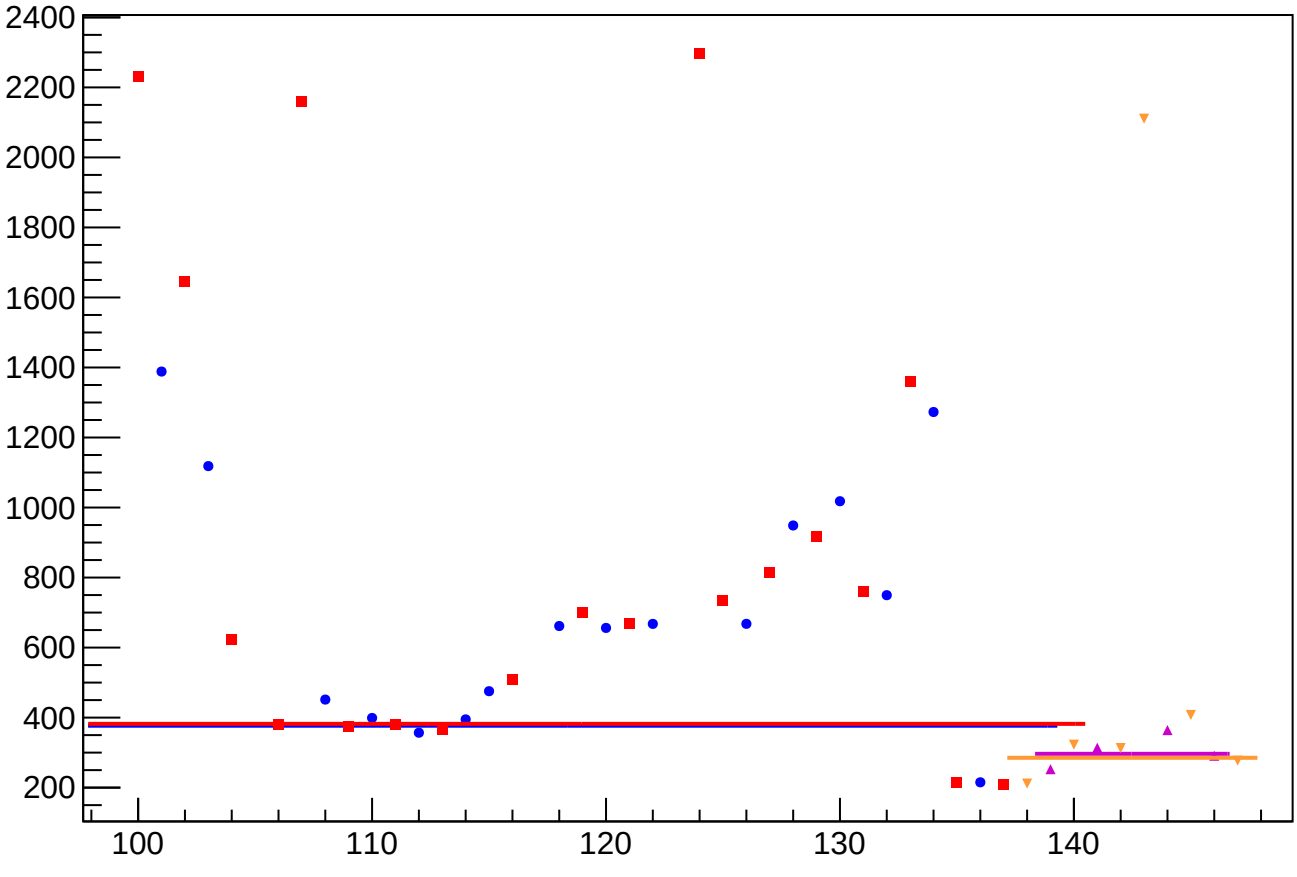
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -120.714+/-116.213 χ^2/NDF:24.4/19

Out: 128.432+/-111.615 χ^2/NDF:28.5/24

All: 8.885+/-80.500 χ^2/NDF: 55.3/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 285.216+/-0.105 χ^2/NDF:1575208.1/5

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 296.531+/-0.114 χ^2/NDF:115747.6/3

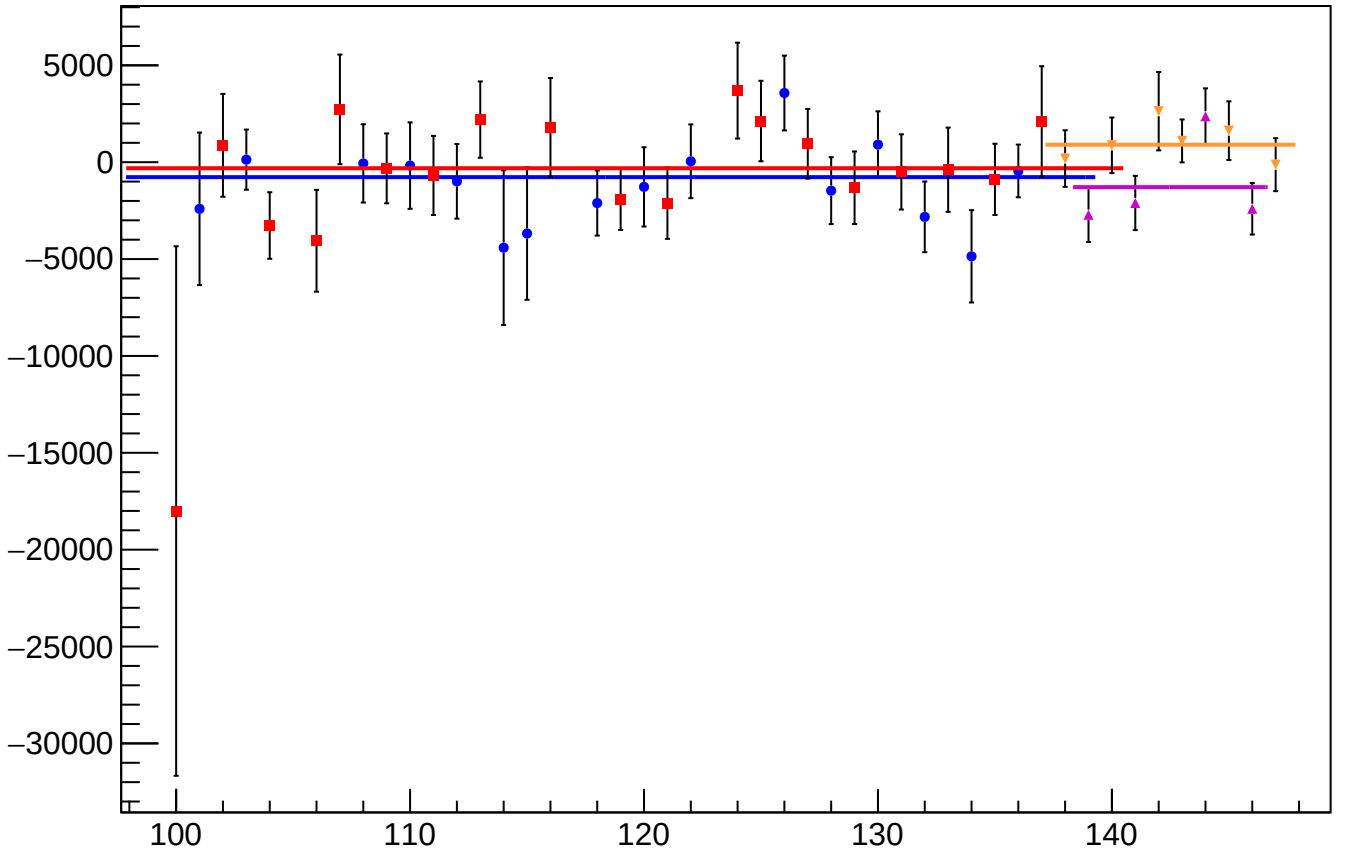
Left: 290.422+/-0.077 χ^2/NDF: 1696306.2/9

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 334.878+/-0.082 χ^2/NDF:4547620.3/19

Out: 327.303+/-0.079 χ^2/NDF:6005298.7/24

All: 330.938+/-0.057 χ^2/NDF: 10557339.6/44



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 902.435+/-578.635 χ^2/NDF:1.8/5

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -1287.022+/-696.377 χ^2/NDF:8.5/3

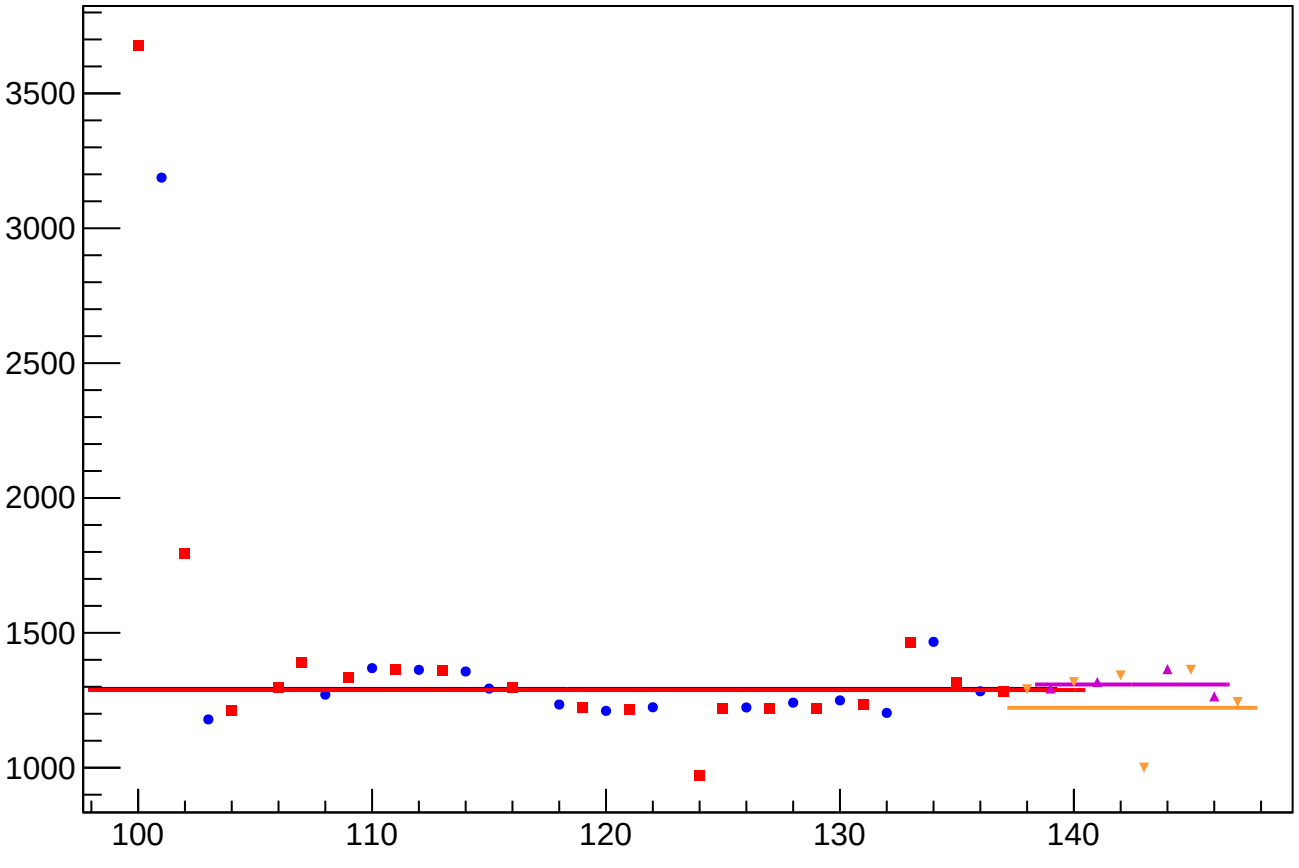
Left: 8.183+/-445.047 χ^2/NDF: 16.2/9

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -942.031+/-400.519 χ^2/NDF:22.5/19

Out: 186.606+/-370.636 χ^2/NDF:22.3/24

All: -334.041+/-272.031 χ^2/NDF: 49.1/44



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1222.099+/-0.409 χ^2/NDF:118378.4/5

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

Left: 1257.397+/-0.315 χ^2/NDF: 142237.2/9

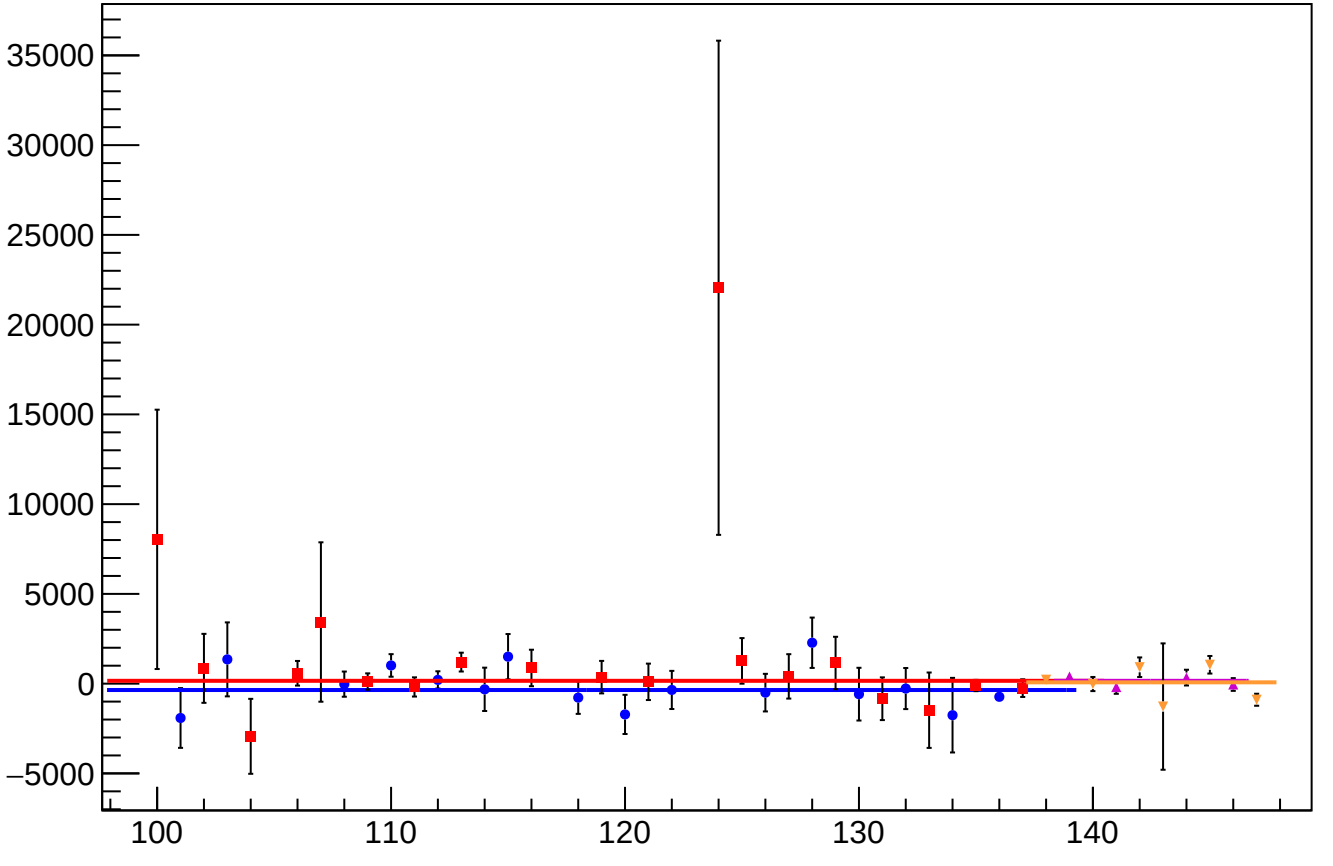
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1297.491+/-0.283 χ^2/NDF:515792.6/19

Out: 1260.955+/-0.262 χ^2/NDF:342880.2/24

All: 1277.809+/-0.192 χ^2/NDF: 867638.1/44

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: 72.849+/-158.450 χ^2/NDF:15.3/5

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 156.827+/-173.571 χ^2/NDF:2.1/3

Left: 111.022+/-117.022 χ^2/NDF: 17.5/9

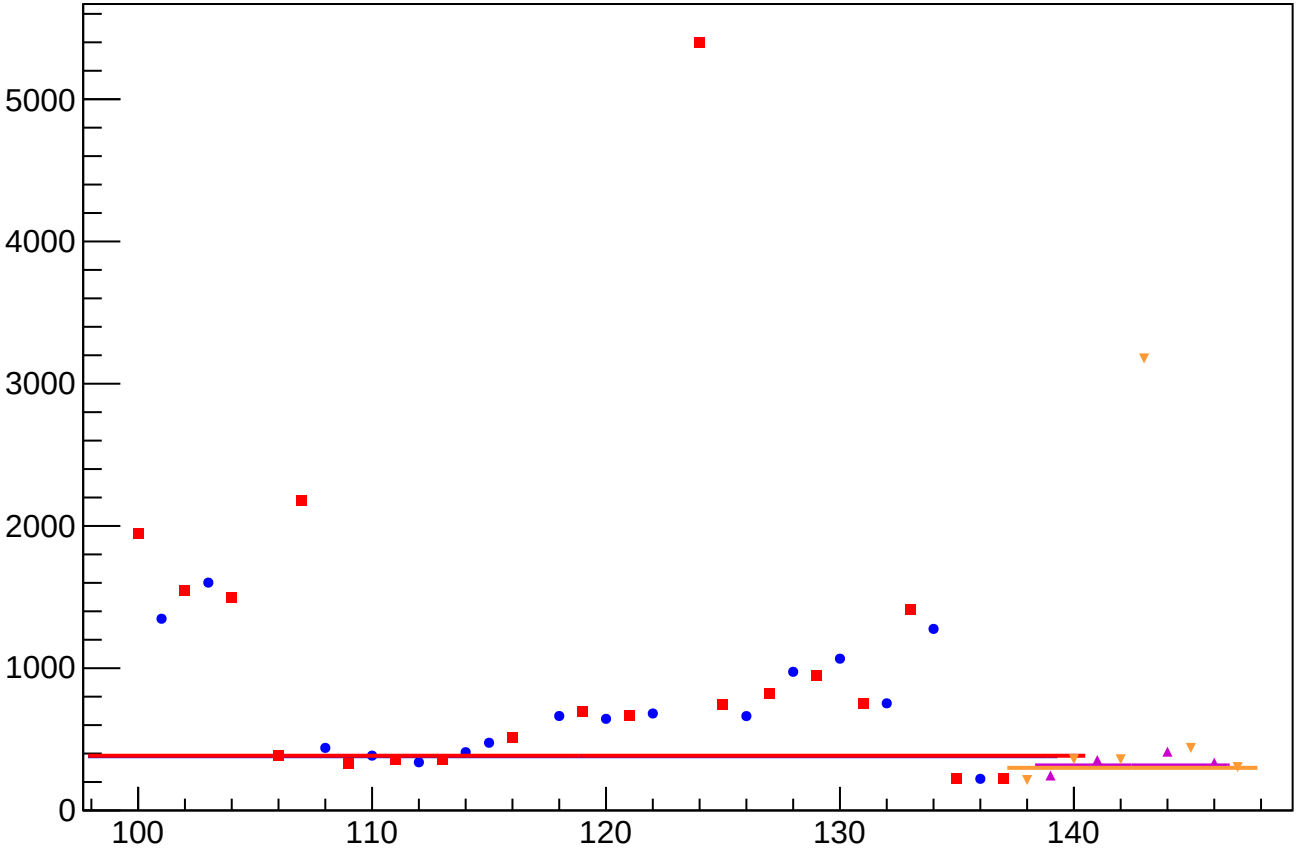
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -104.565+/-121.440 χ^2/NDF:25.0/19

Out: 112.482+/-115.803 χ^2/NDF:31.3/24

All: 9.113+/-83.807 χ^2/NDF: 57.9/44

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: 299.713+/-0.112 χ^2/NDF:1821593.1/5

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 316.615+/-0.123 χ^2/NDF:253502.1/3

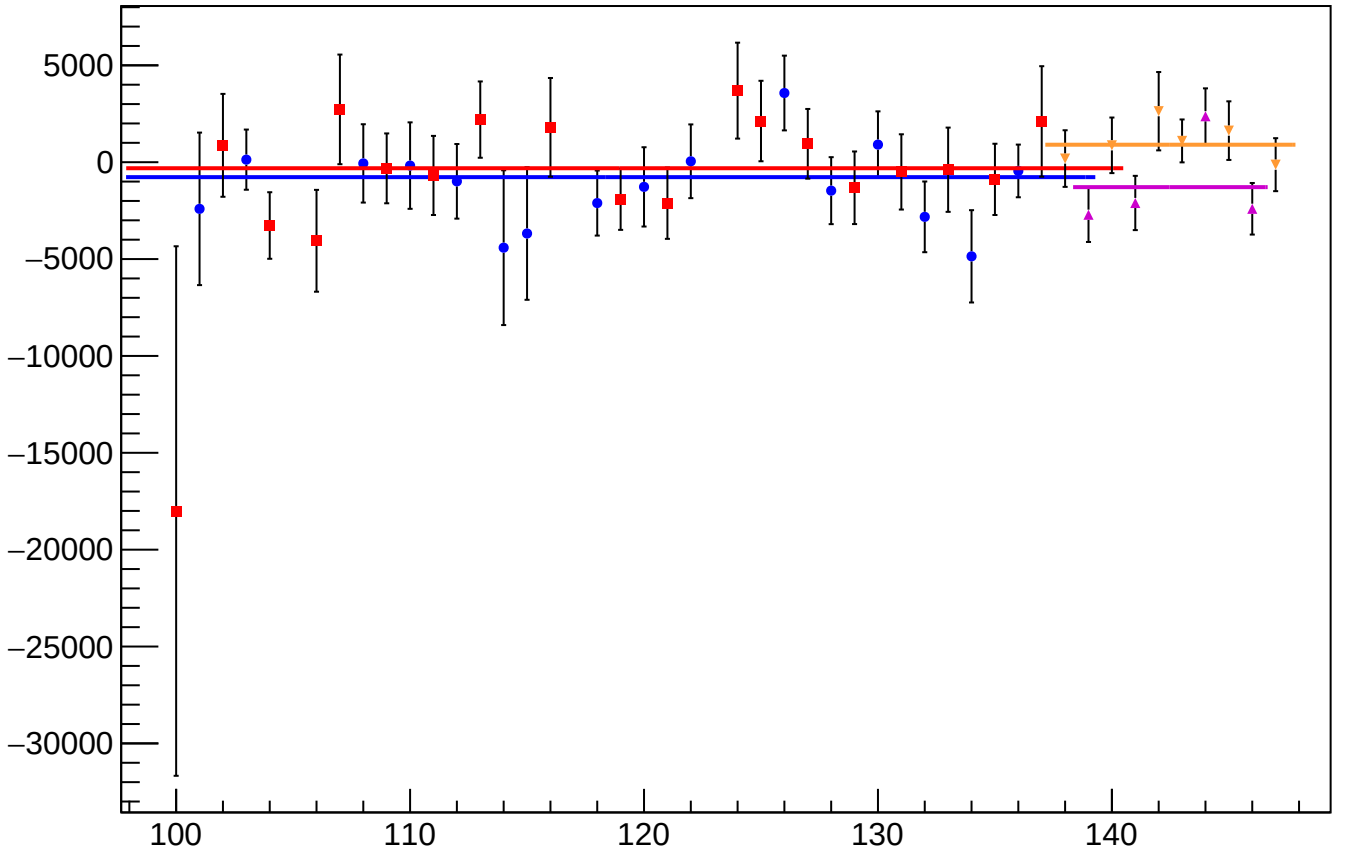
Left: 307.396+/-0.083 χ^2/NDF: 2085439.2/9

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 349.660+/-0.086 χ^2/NDF:4713434.9/19

Out: 339.282+/-0.082 χ^2/NDF:6649531.9/24

All: 344.225+/-0.059 χ^2/NDF: 11370616.6/44



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 902.436+/-578.636 χ^2/NDF:1.8/5

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -1287.017+/-696.377 χ^2/NDF:8.5/3

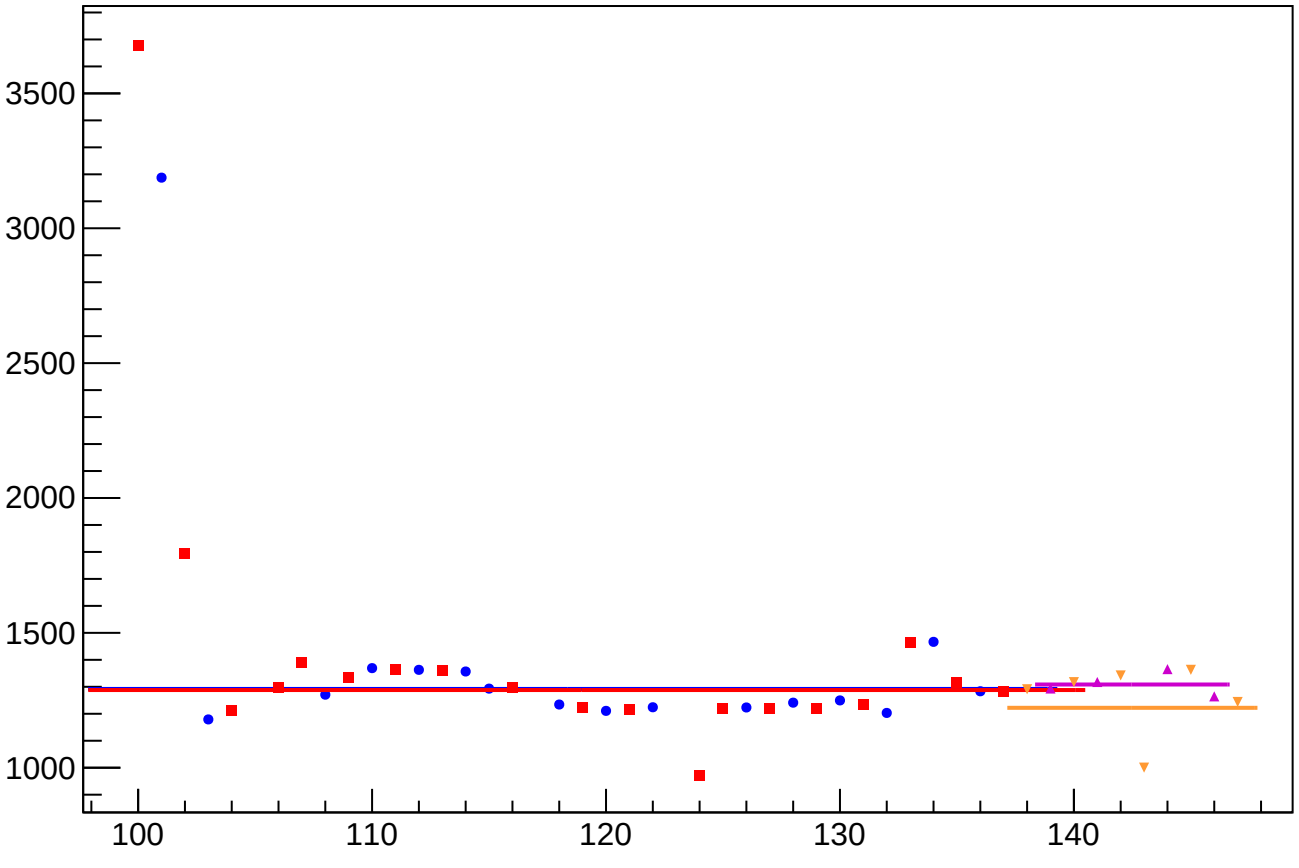
Left: 8.185+/-445.047 χ^2/NDF: 16.2/9

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -942.031+/-400.519 χ^2/NDF:22.5/19

Out: 186.605+/-370.636 χ^2/NDF:22.3/24

All: -334.042+/-272.031 χ^2/NDF: 49.1/44



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1222.099+/-0.409 χ^2/NDF:118377.7/5

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1308.522+/-0.492 χ^2/NDF:5636.4/3

Left: 1257.398+/-0.315 χ^2/NDF: 142236.4/9

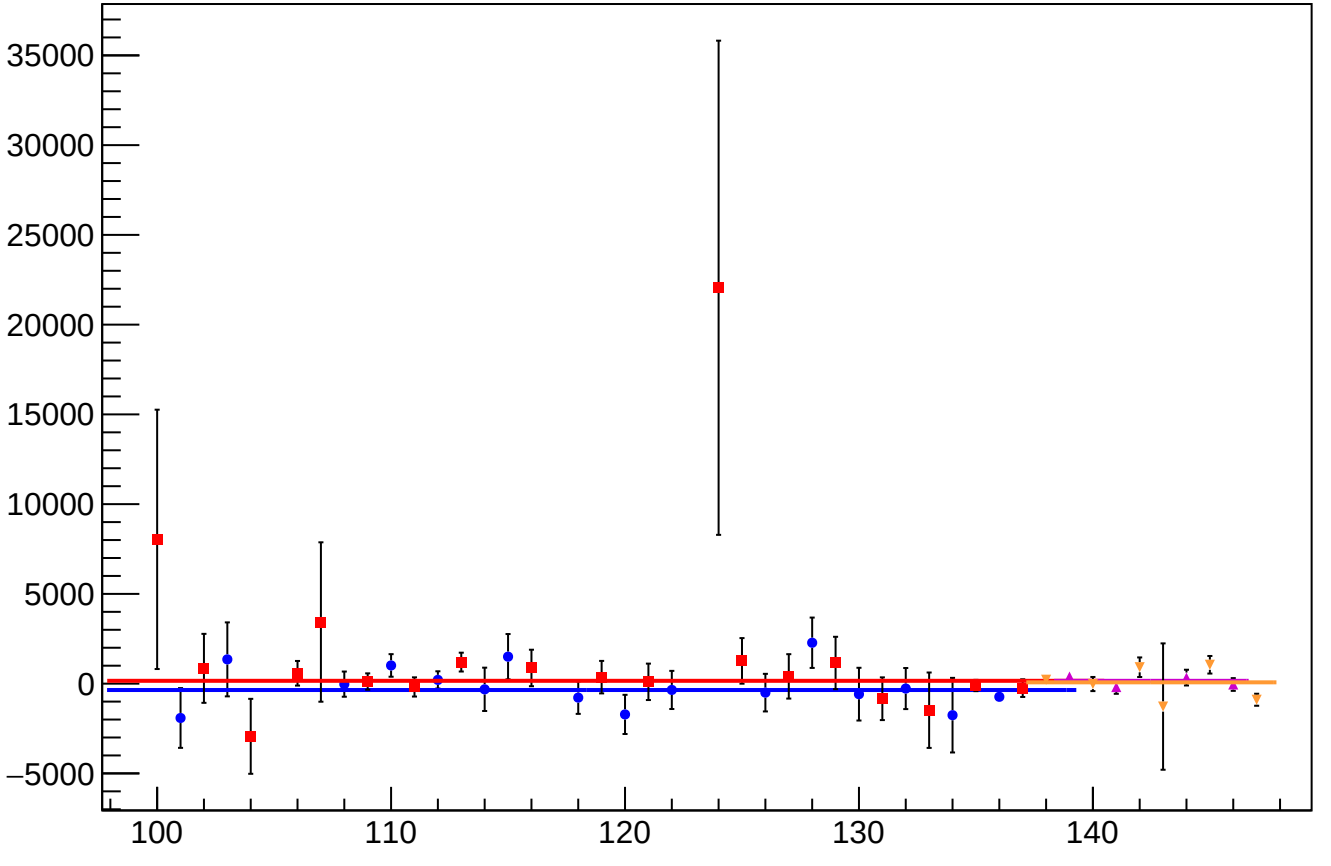
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1297.491+/-0.283 χ^2/NDF:515792.6/19

Out: 1260.955+/-0.262 χ^2/NDF:342879.6/24

All: 1277.809+/-0.192 χ^2/NDF: 867637.4/44

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: 72.844+/-158.455 χ^2/NDF:15.3/5

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 156.827+/-173.575 χ^2/NDF:2.1/3

Left: 111.019+/-117.025 χ^2/NDF: 17.5/9

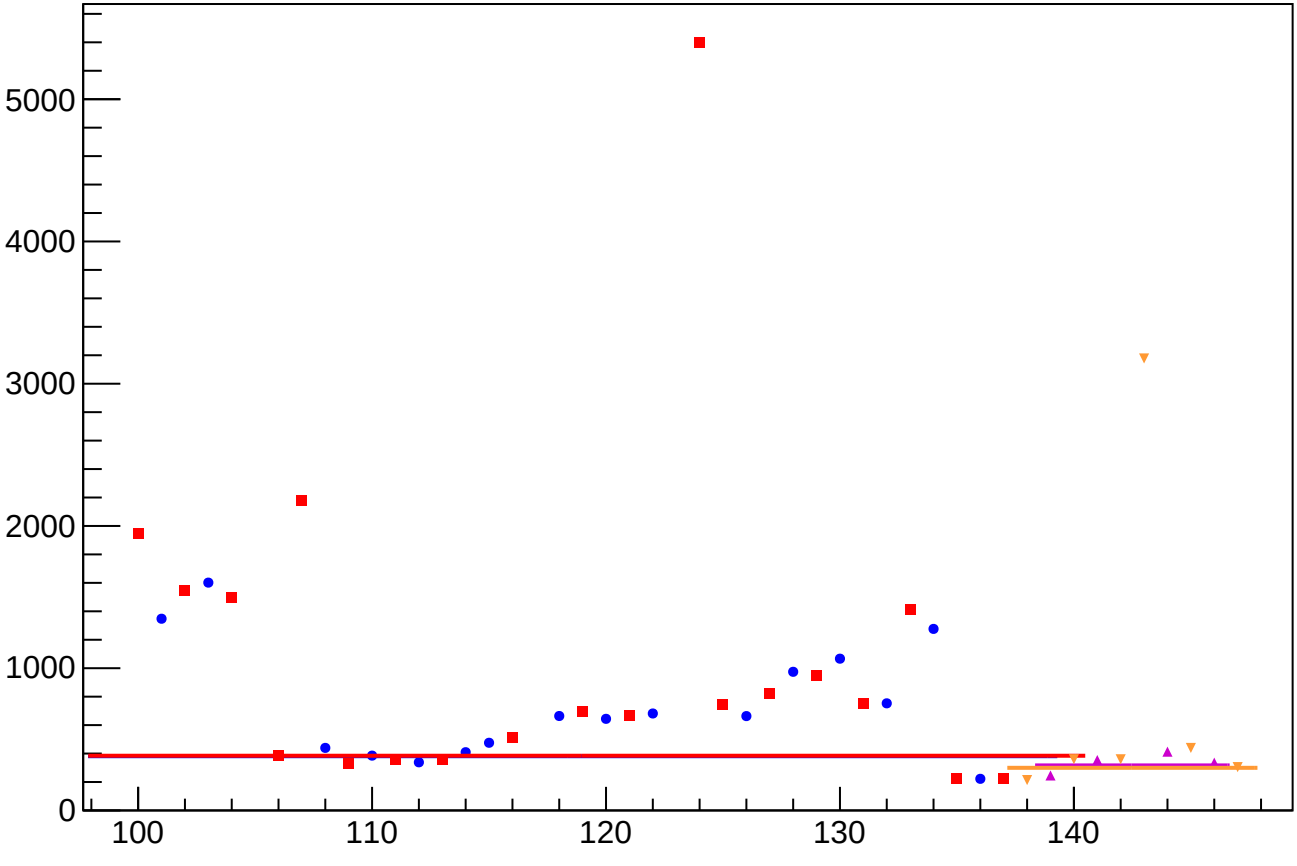
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -104.567+/-121.443 χ^2/NDF:25.0/19

Out: 112.483+/-115.805 χ^2/NDF:31.3/24

All: 9.112+/-83.809 χ^2/NDF: 57.9/44

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: 299.724+/-0.112 χ^2/NDF:1821493.1/5

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 316.624+/-0.123 χ^2/NDF:253434.2/3

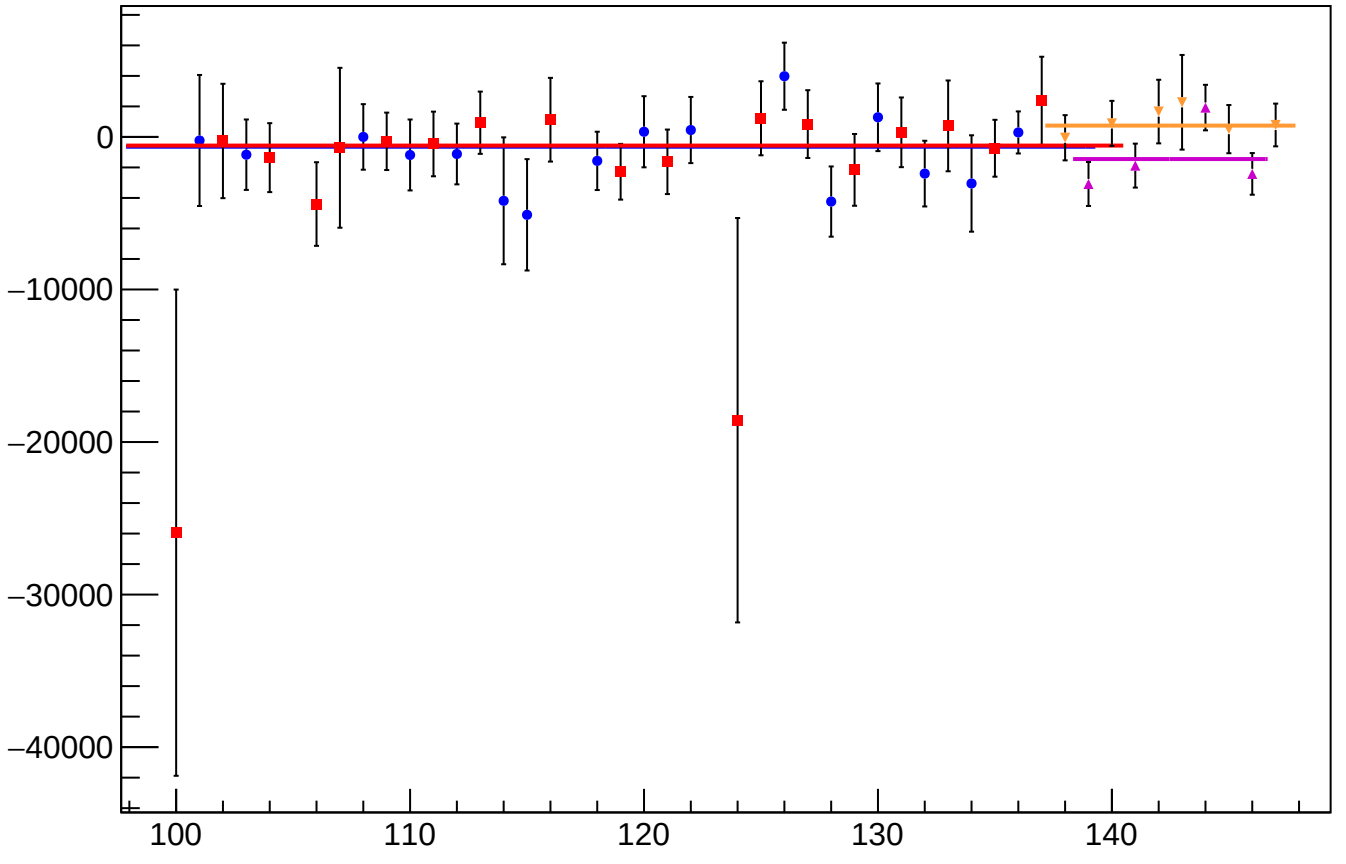
Left: 307.406+/-0.083 χ^2/NDF: 2085269.6/9

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 349.670+/-0.086 χ^2/NDF:4713179.4/19

Out: 339.292+/-0.082 χ^2/NDF:6649265.8/24

All: 344.235+/-0.059 χ^2/NDF: 11370095.0/44



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 743.411+/-680.775 χ^2/NDF:0.8/5

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -1450.037+/-716.396 χ^2/NDF:7.0/3

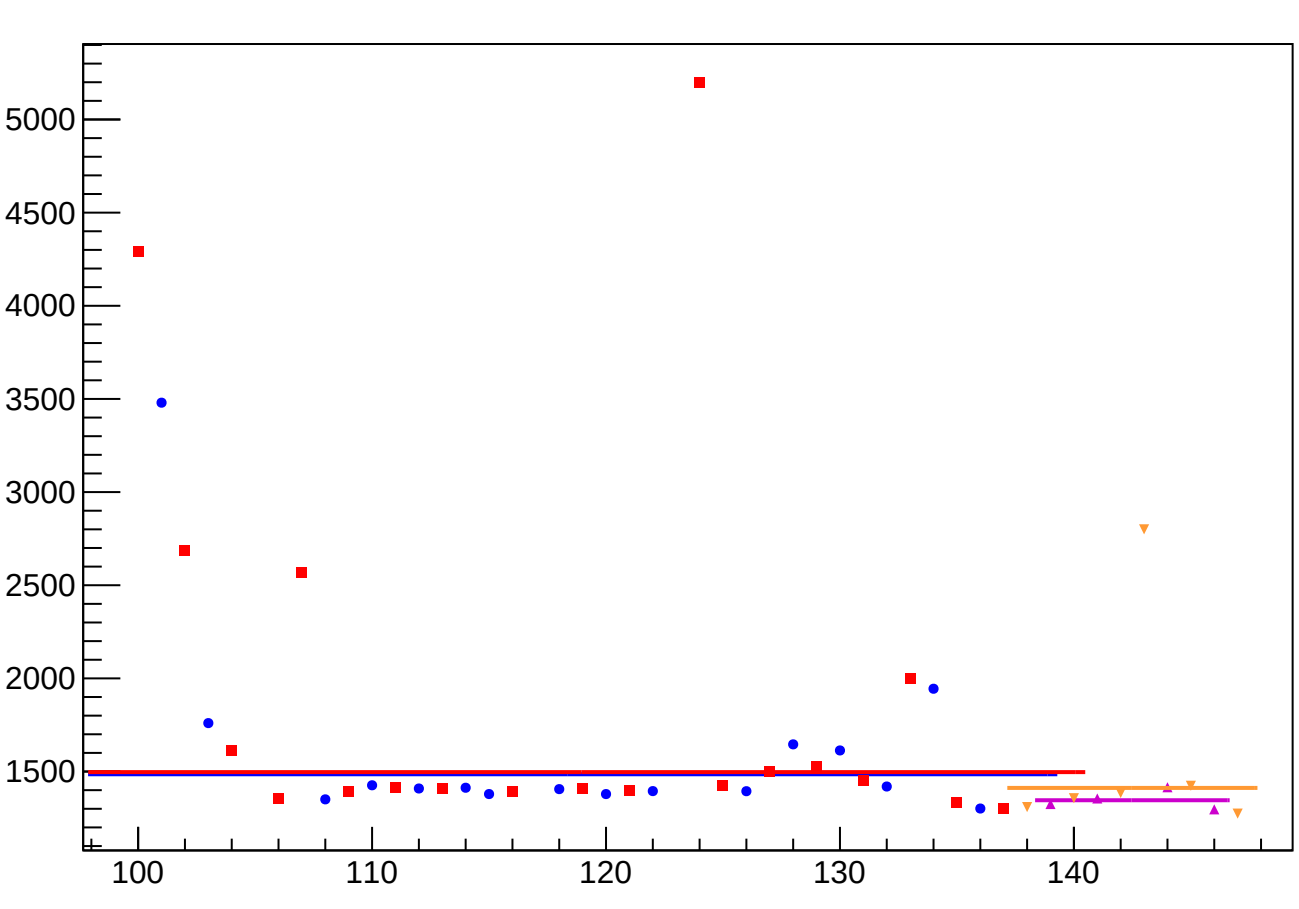
Left: -297.427+/-493.493 χ^2/NDF: 12.7/9

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -950.709+/-443.325 χ^2/NDF:20.3/19

Out: -30.698+/-435.577 χ^2/NDF:14.3/24

All: -482.594+/-310.703 χ^2/NDF: 36.7/44



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1412.058+/-0.481 χ^2/NDF:432421.5/5

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1345.885+/-0.507 χ^2/NDF:7419.8/3

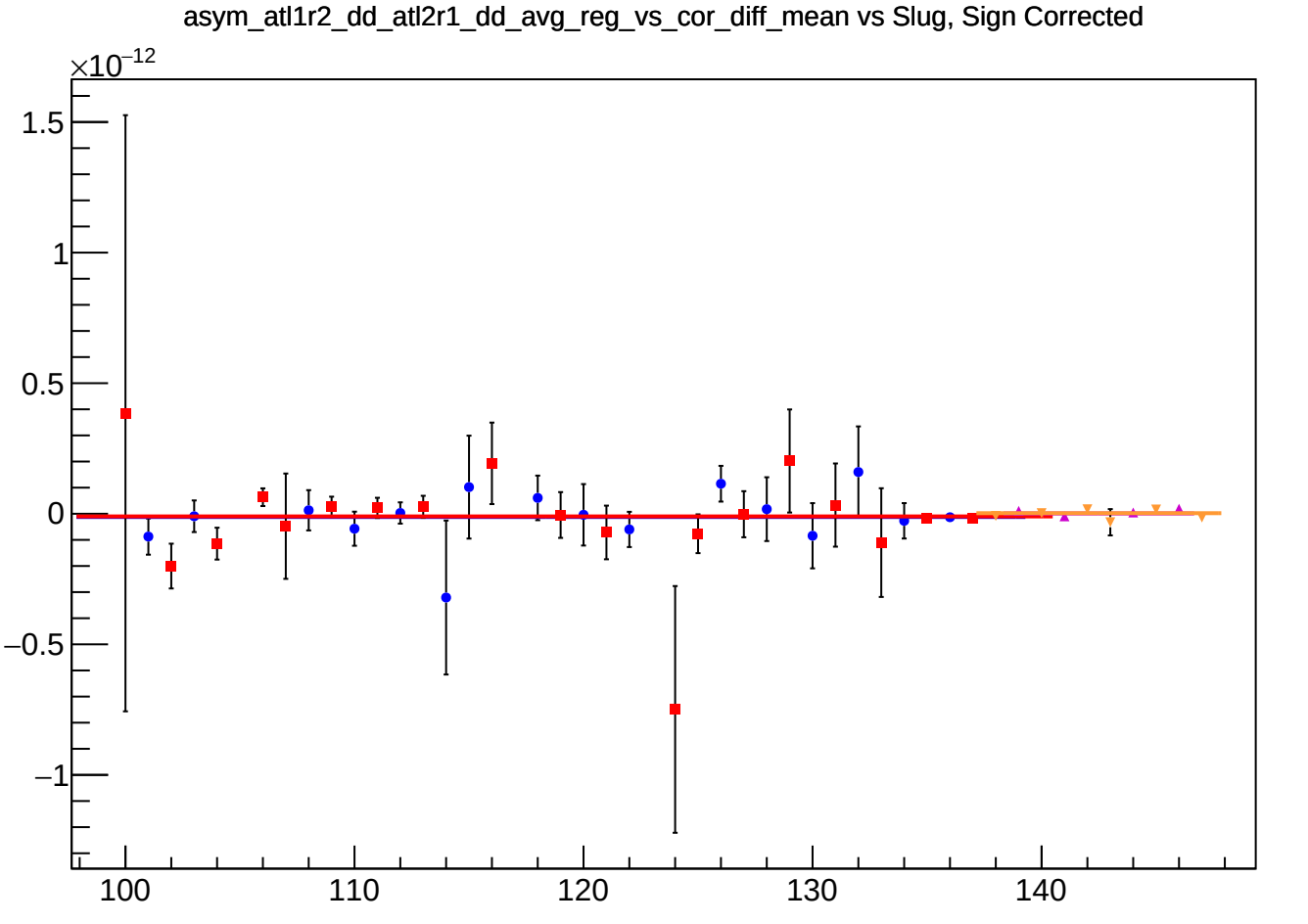
Left: 1380.657+/-0.349 χ^2/NDF: 448808.1/9

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

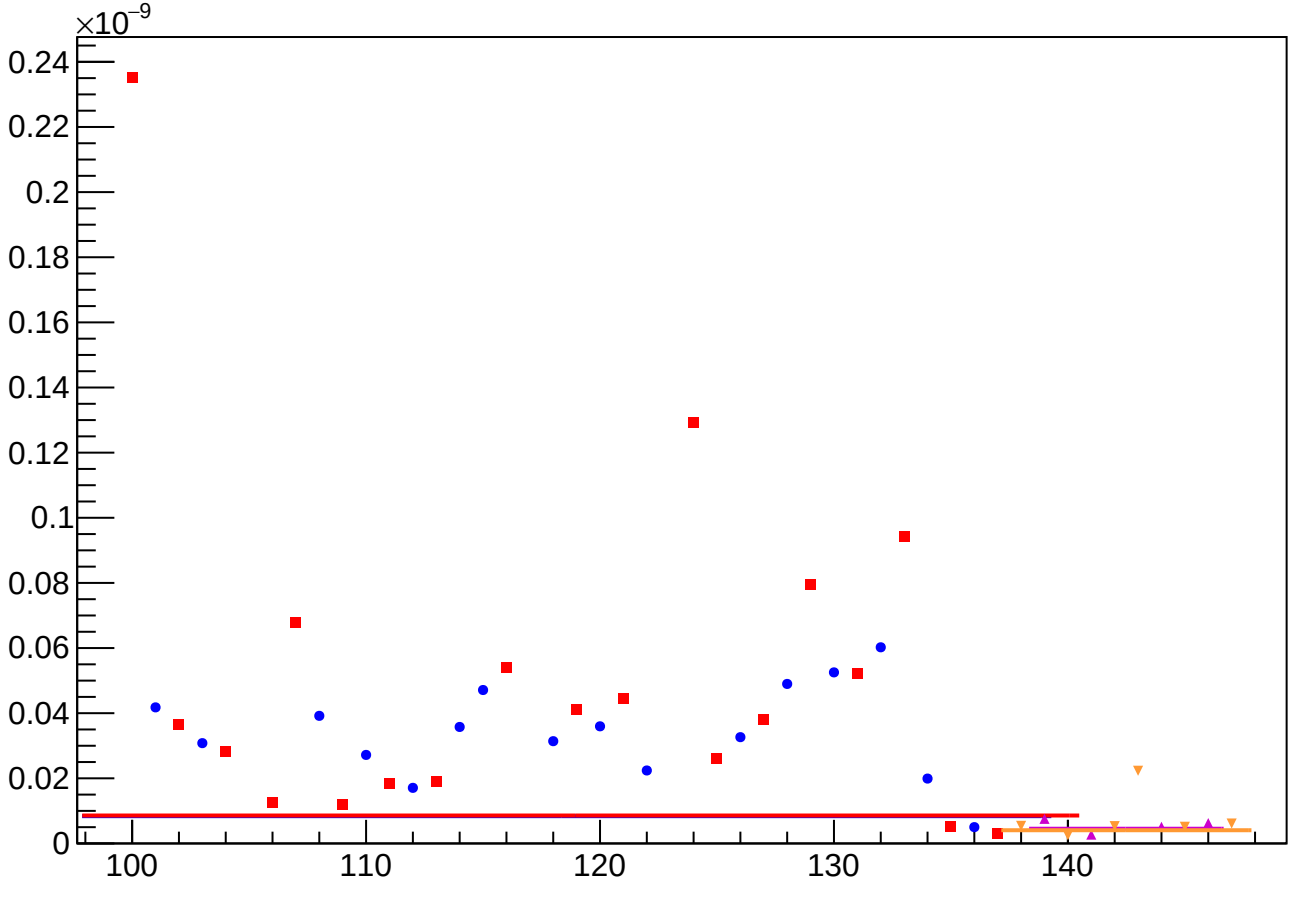
In: 1431.955+/-0.313 χ^2/NDF:638674.6/19

Out: 1462.147+/-0.308 χ^2/NDF:1074046.0/24

All: 1447.317+/-0.220 χ^2/NDF: 1717440.6/44


asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 9.4/15
Left Out: 0.000+/-0.000 χ²/NDF:8.6/5
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:7.8/3
Left: 0.000+/-0.000 χ²/NDF: 16.4/9
Right: -0.000+/-0.000 χ²/NDF: 31.8/34
In: -0.000+/-0.000 χ²/NDF:19.8/19
Out: 0.000+/-0.000 χ²/NDF:32.9/24
All: -0.000+/-0.000 χ²/NDF: 52.9/44

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:641236.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:420445.3/3

Left: 0.000+/-0.000 χ^2/NDF: 1076971.9/9

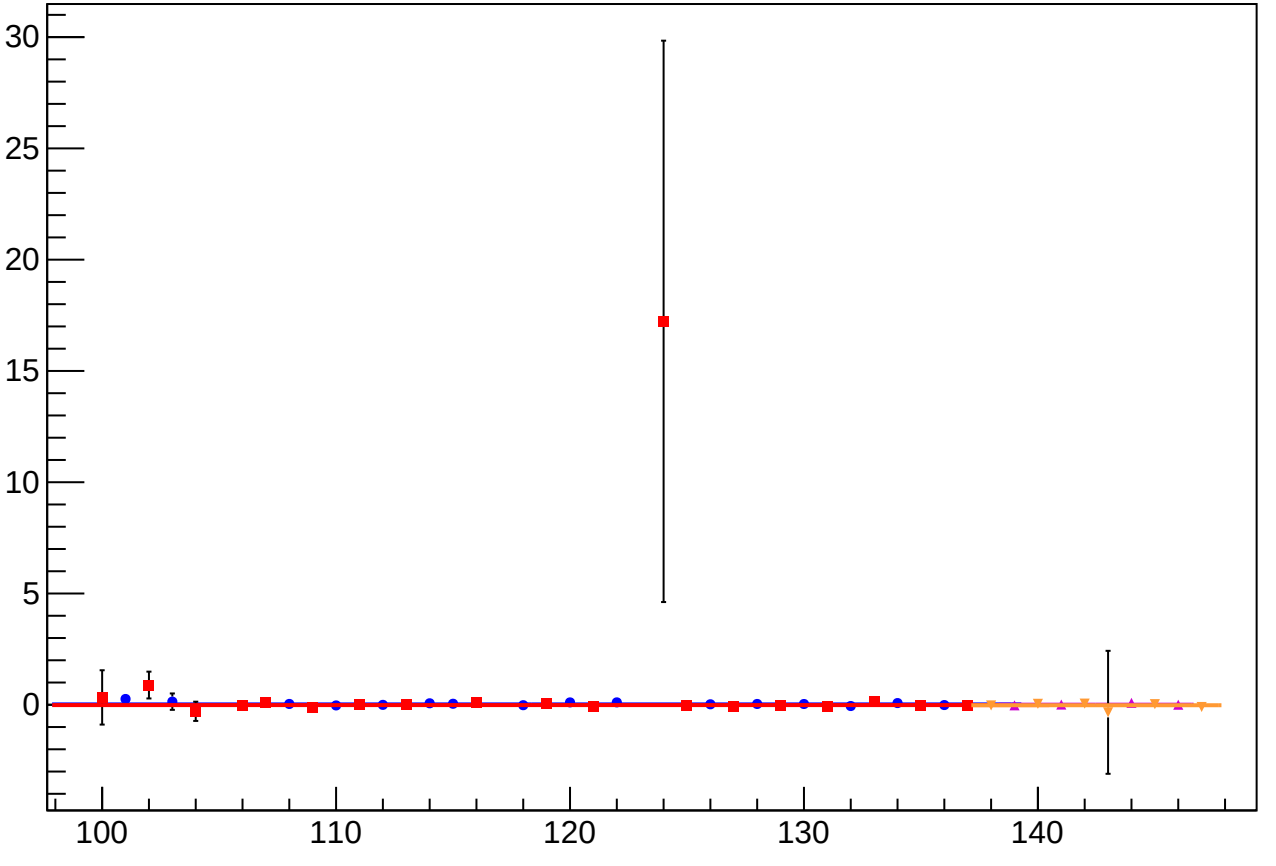
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3899957.6/19

Out: 0.000+/-0.000 χ^2/NDF:4526640.6/24

All: 0.000+/-0.000 χ^2/NDF: 8460948.9/44

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

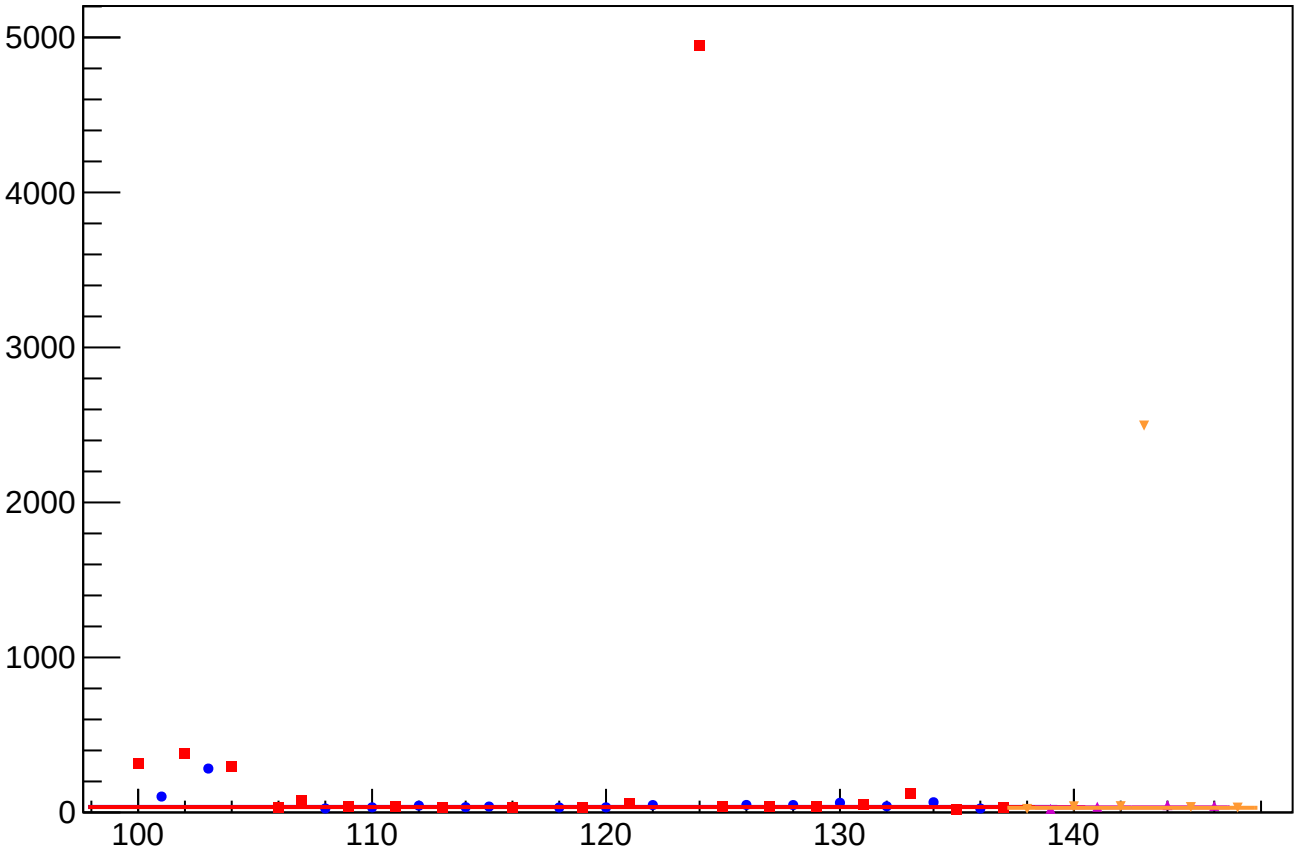
Left: -0.010+/-0.013 χ^2/NDF: 13.5/9

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/44



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.169+/-0.012 χ^2/NDF:1896687.0/5

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

Left: 31.458+/-0.009 χ^2/NDF: 2378582.2/9

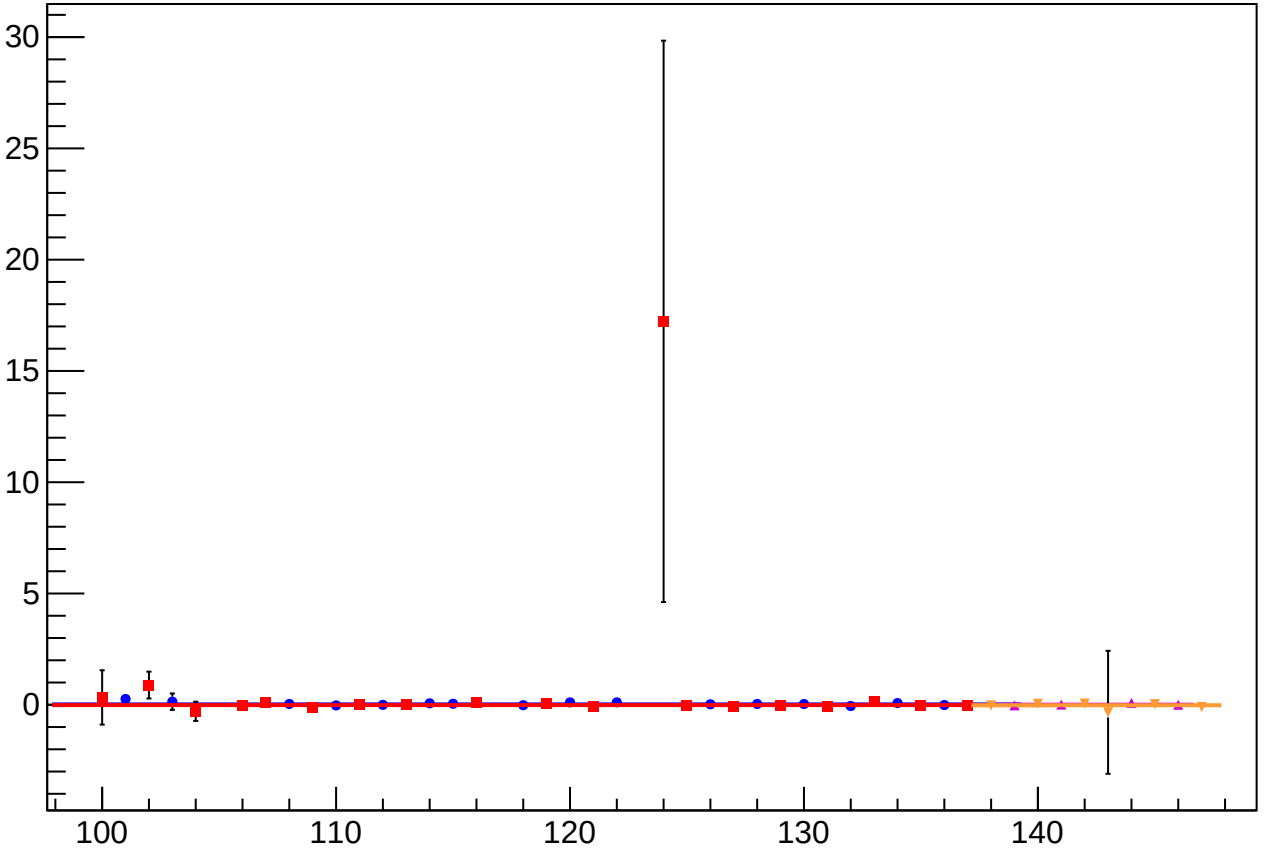
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.779+/-0.009 χ^2/NDF:2742112.0/19

Out: 32.736+/-0.008 χ^2/NDF:4889007.2/24

All: 33.706+/-0.006 χ^2/NDF: 7660437.6/44

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: -0.010+/-0.013 χ^2/NDF: 13.5/9

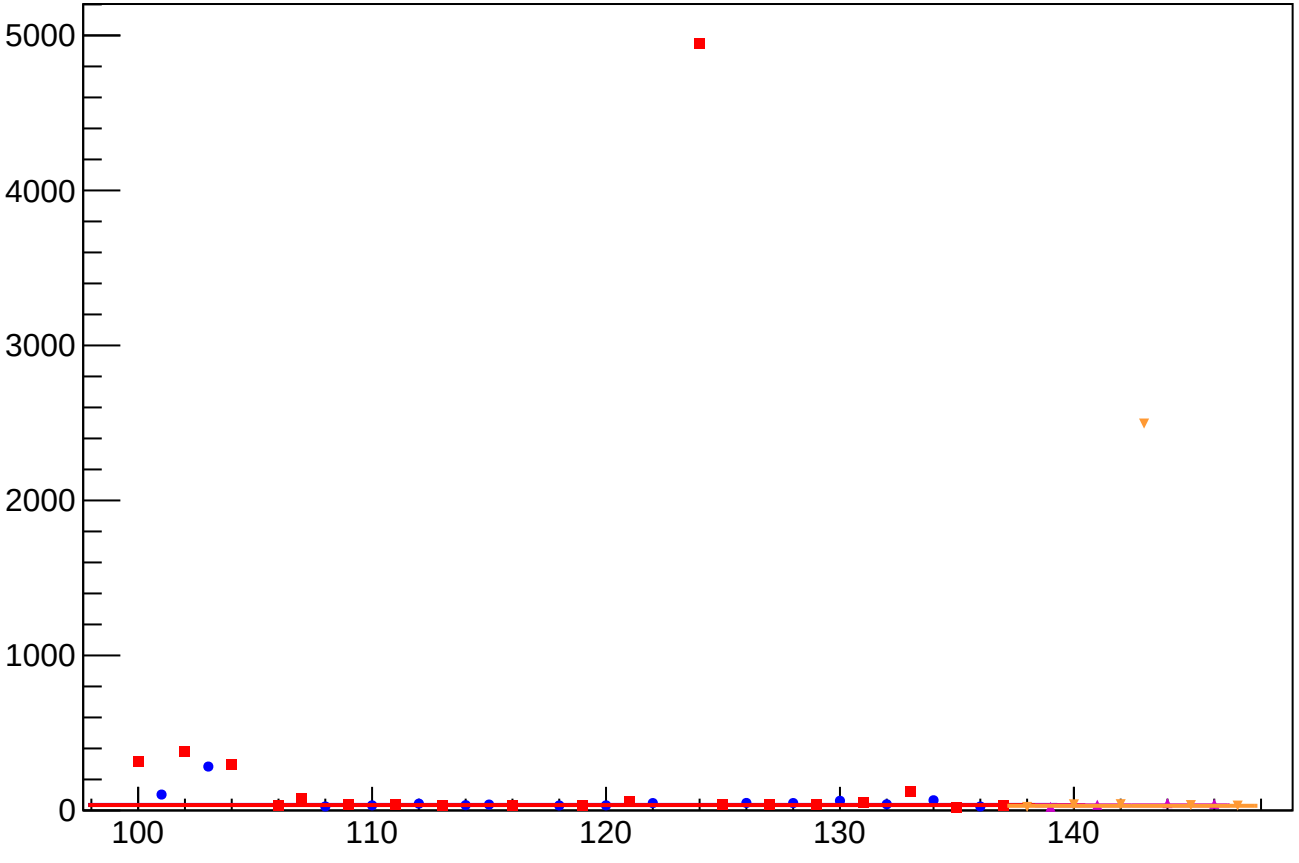
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/44

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: 30.169+/-0.012 χ^2/NDF:1896687.0/5

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.161+/-0.014 χ^2/NDF:456501.7/3

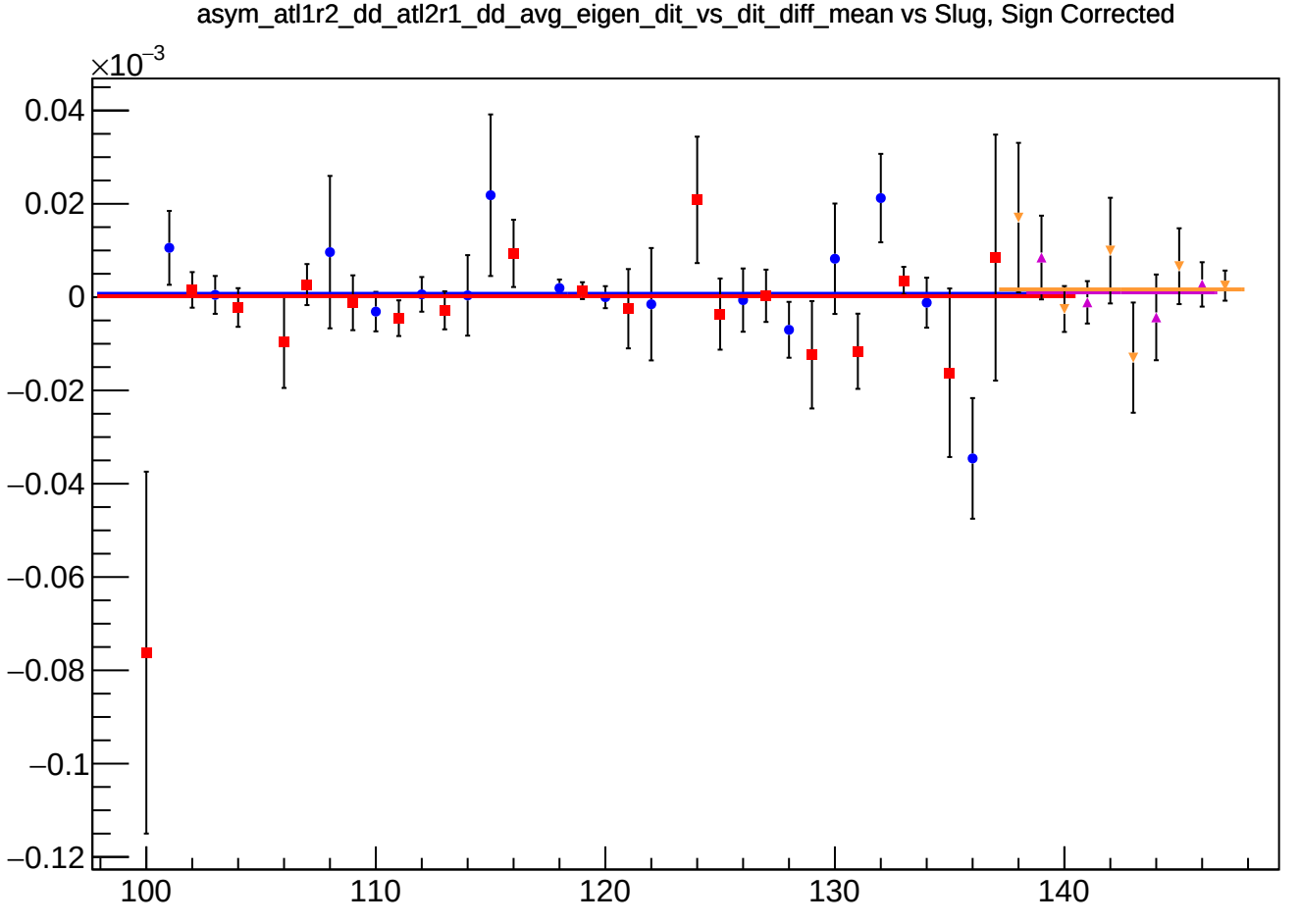
Left: 31.458+/-0.009 χ^2/NDF: 2378582.2/9

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.779+/-0.009 χ^2/NDF:2742112.0/19

Out: 32.736+/-0.008 χ^2/NDF:4889007.2/24

All: 33.706+/-0.006 χ^2/NDF: 7660437.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

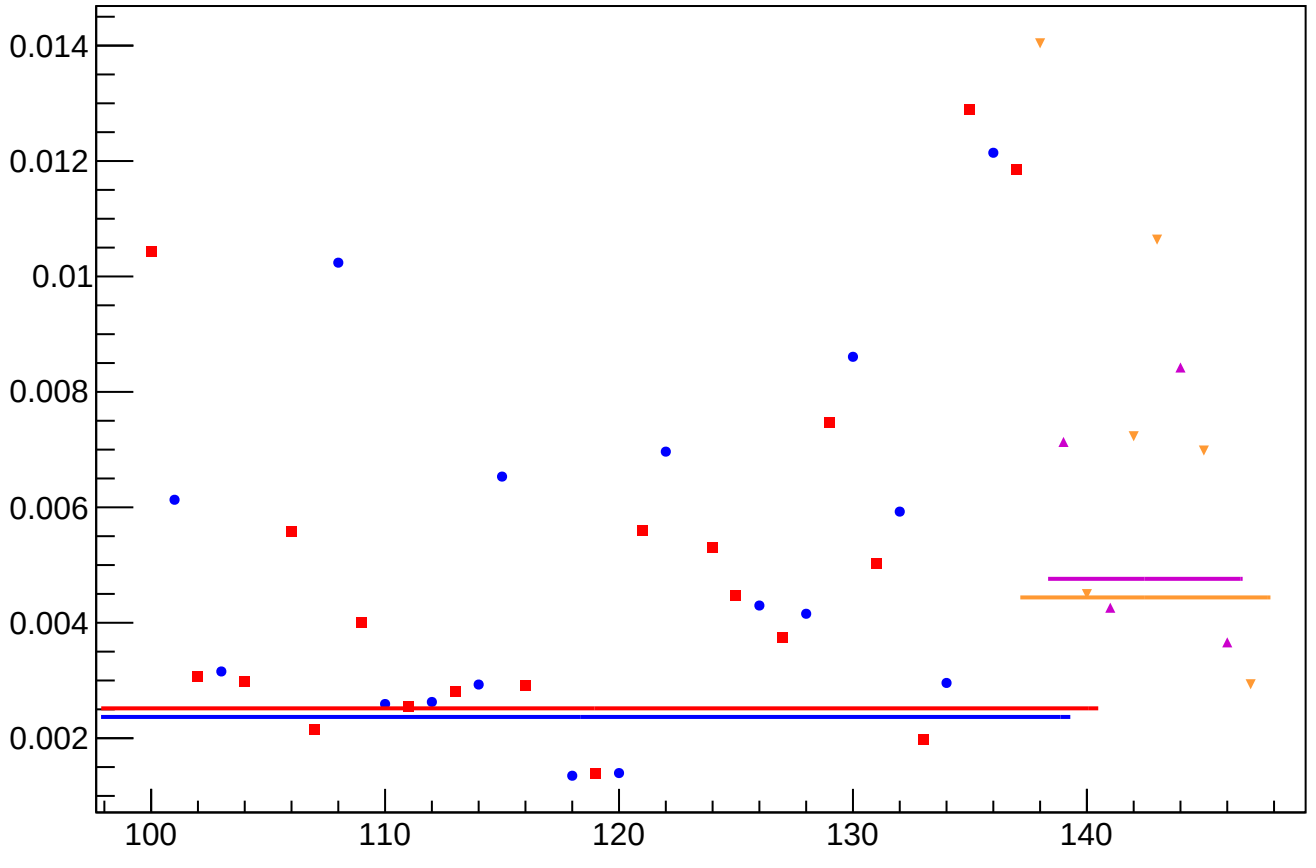
Left: 0.000+/-0.000 χ^2/NDF: 5.6/9

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:20.5/19

Out: 0.000+/-0.000 χ^2/NDF:22.5/24

All: 0.000+/-0.000 χ^2/NDF: 43.1/44



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2020856.7/5

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.005+/-0.000 χ^2/NDF:588503.3/3

Left: 0.005+/-0.000 χ^2/NDF: 2623776.7/9

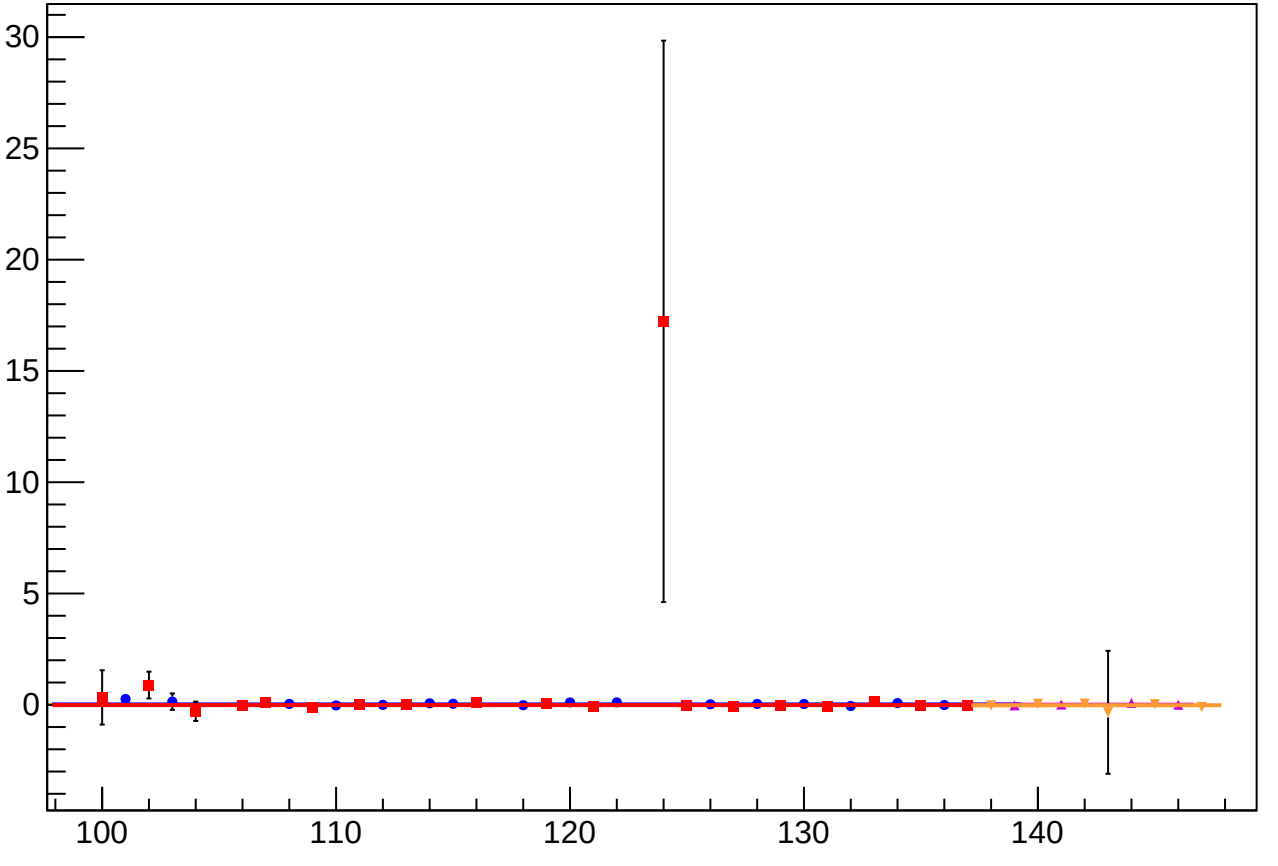
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6480979.3/19

Out: 0.003+/-0.000 χ^2/NDF:6478256.3/24

All: 0.003+/-0.000 χ^2/NDF: 12985247.6/44

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: -0.010+/-0.013 χ^2/NDF: 13.5/9

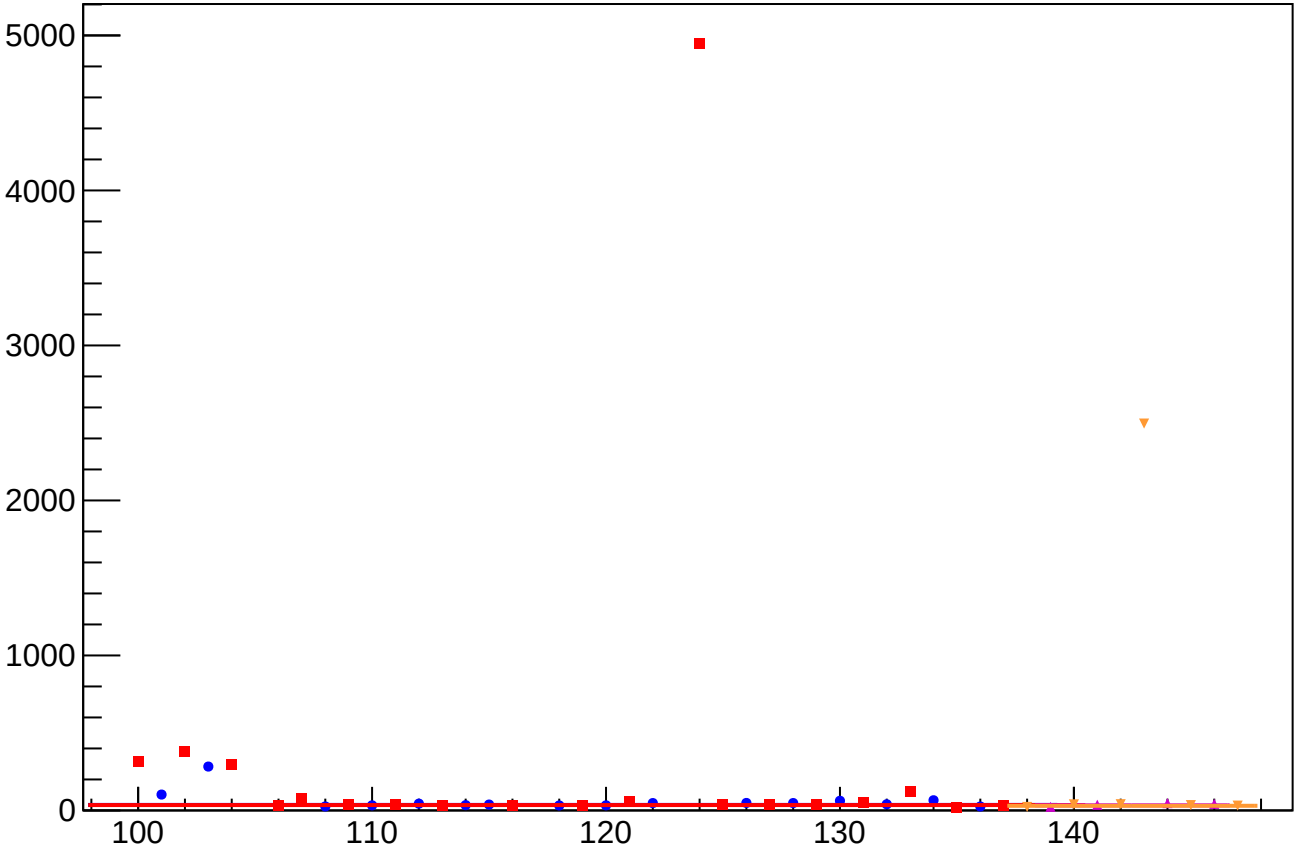
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/44

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: 30.169+/-0.012 χ^2/NDF:1896888.6/5

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

Left: 31.457+/-0.009 χ^2/NDF: 2379052.9/9

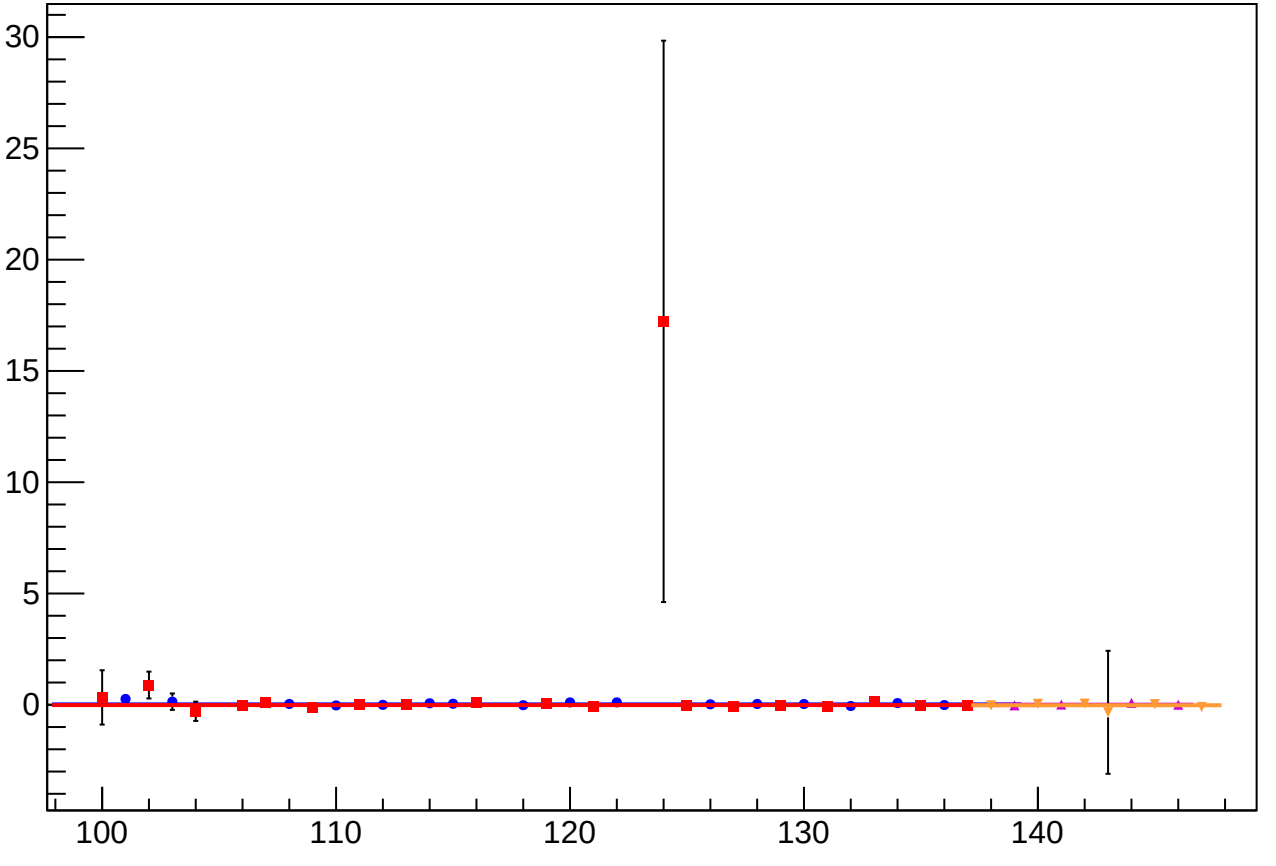
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.779+/-0.009 χ^2/NDF:2742257.4/19

Out: 32.736+/-0.008 χ^2/NDF:4889059.0/24

All: 33.706+/-0.006 χ^2/NDF: 7660601.8/44

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: -0.020+/-0.017 χ^2/NDF:9.2/5

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.020 χ^2/NDF:3.4/3

Left: -0.010+/-0.013 χ^2/NDF: 13.5/9

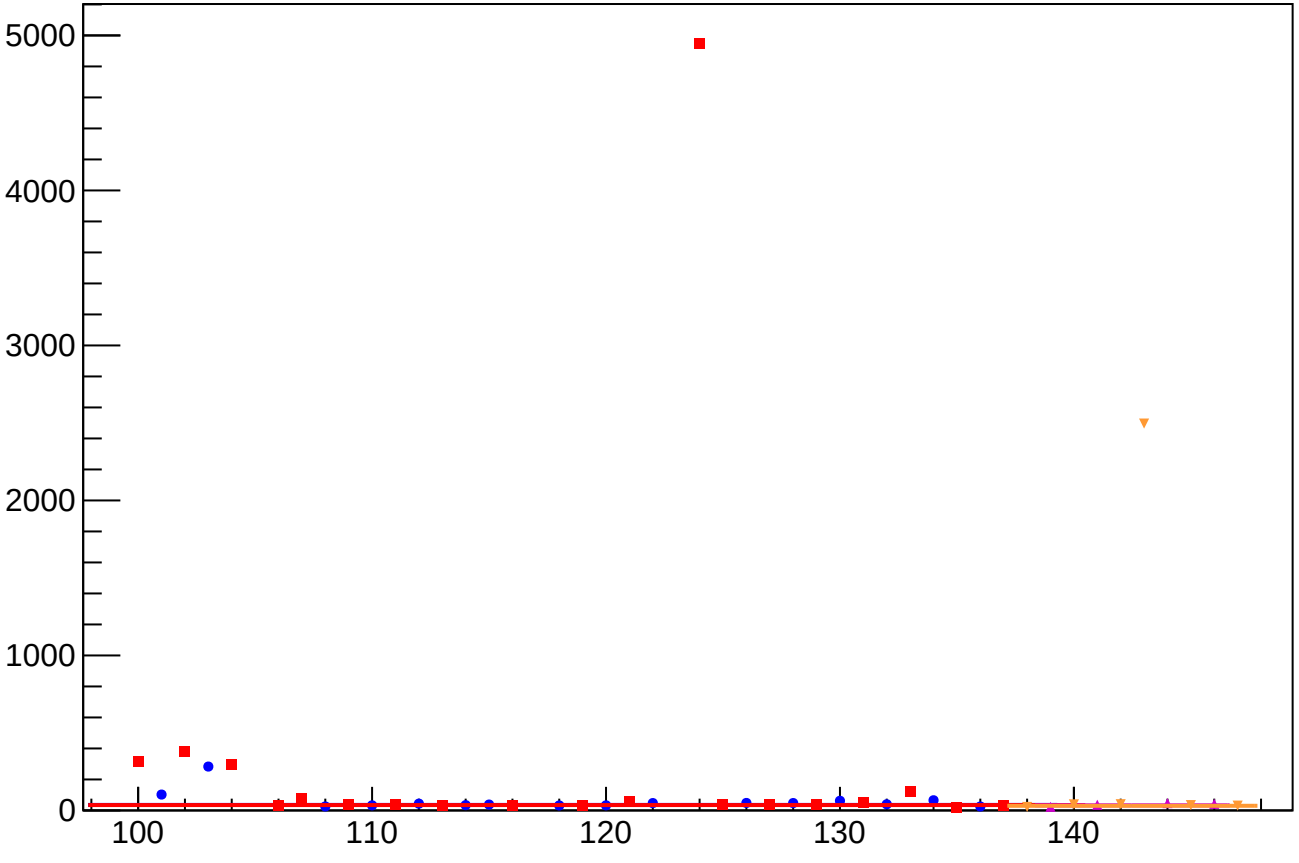
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.012 χ^2/NDF:15.1/19

Out: -0.017+/-0.012 χ^2/NDF:25.3/24

All: -0.003+/-0.008 χ^2/NDF: 43.3/44

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: 30.169+/-0.012 χ^2/NDF:1896888.6/5

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.157+/-0.014 χ^2/NDF:456836.4/3

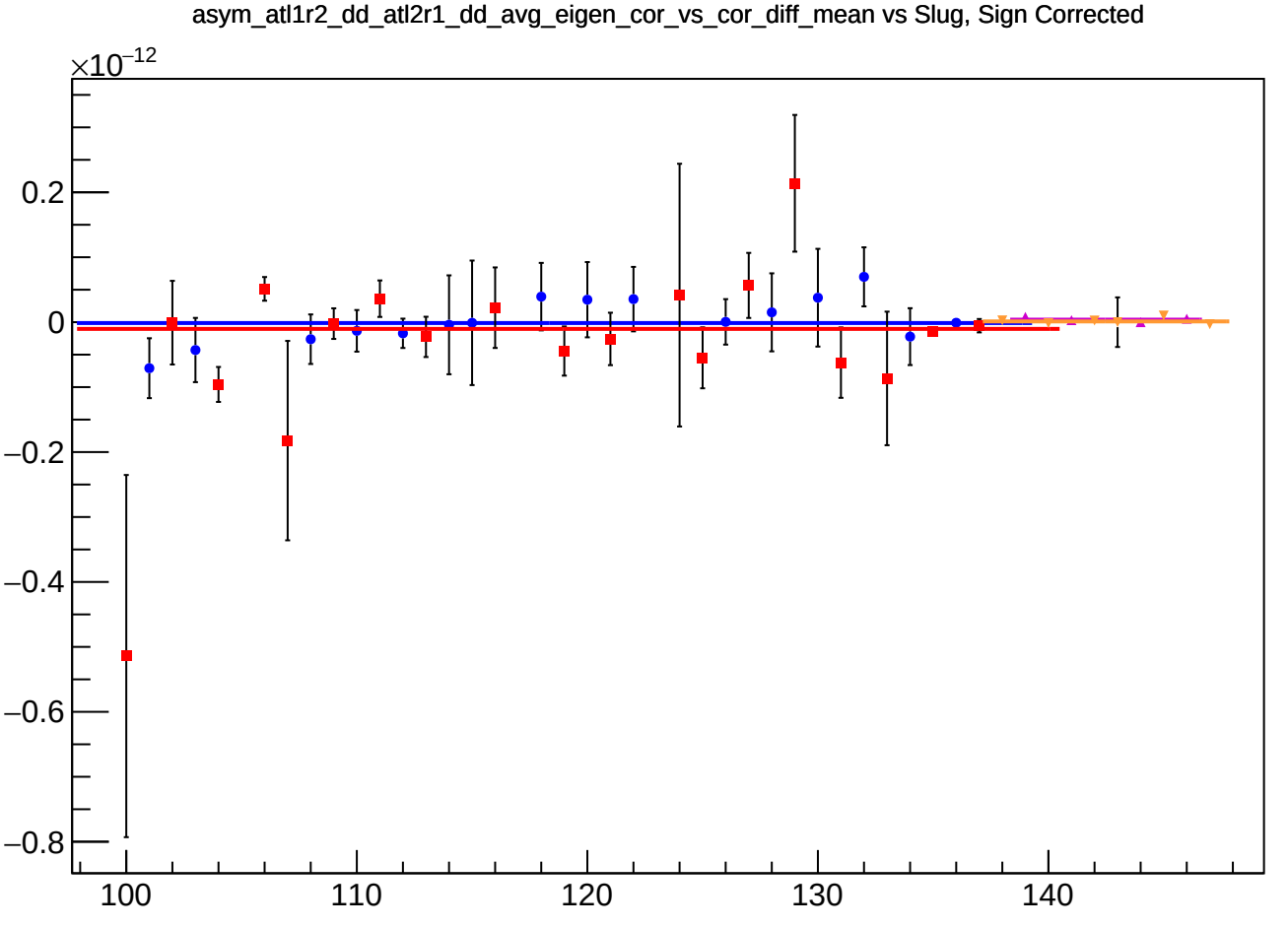
Left: 31.457+/-0.009 χ^2/NDF: 2379052.9/9

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.779+/-0.009 χ^2/NDF:2742257.4/19

Out: 32.736+/-0.008 χ^2/NDF:4889059.0/24

All: 33.706+/-0.006 χ^2/NDF: 7660601.8/44



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

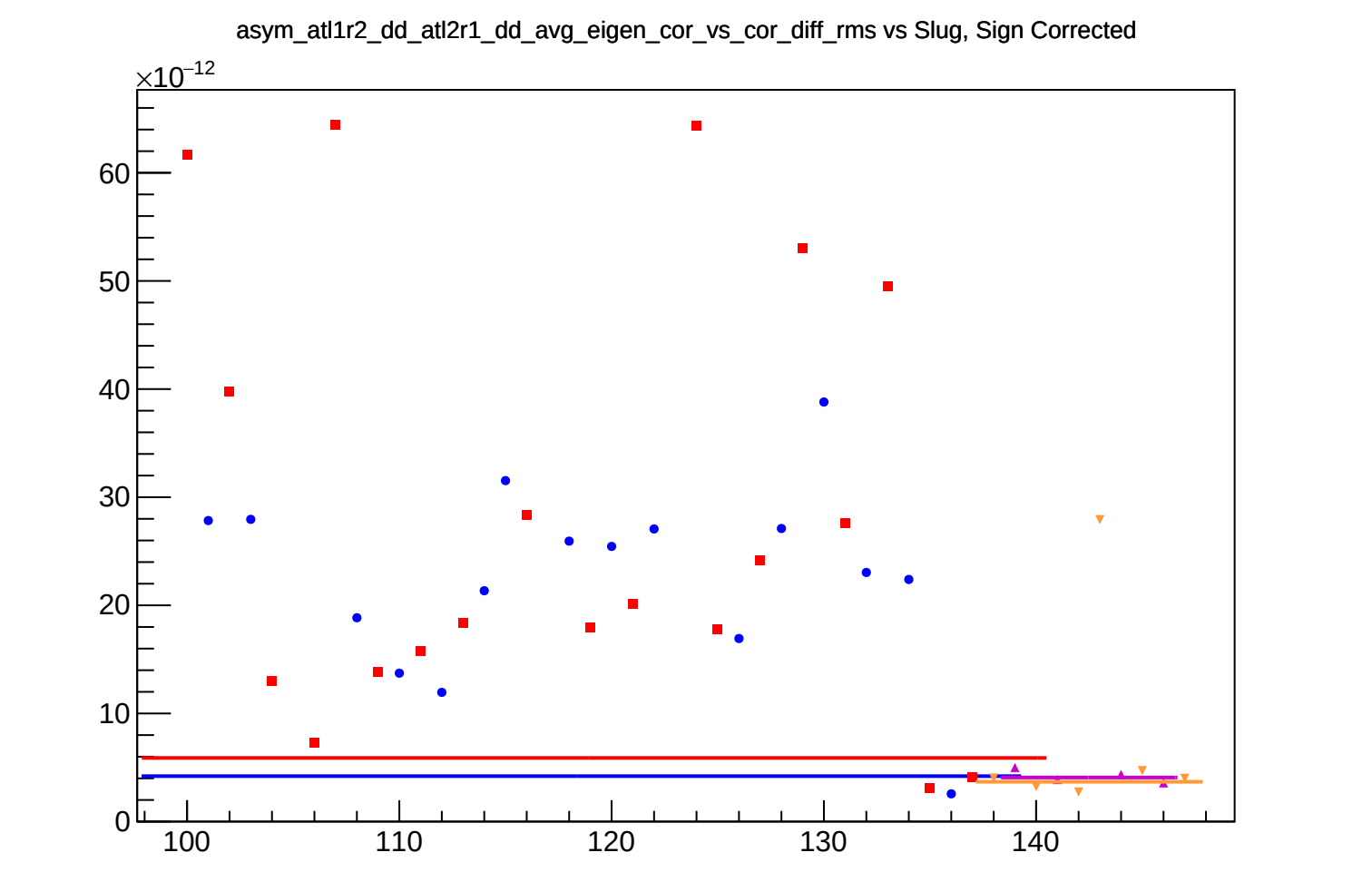
Left: 0.000+/-0.000 χ^2/NDF: 4.9/9

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:11.1/19

Out: -0.000+/-0.000 χ^2/NDF:48.9/24

All: 0.000+/-0.000 χ^2/NDF: 61.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:966841.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:68650.8/3

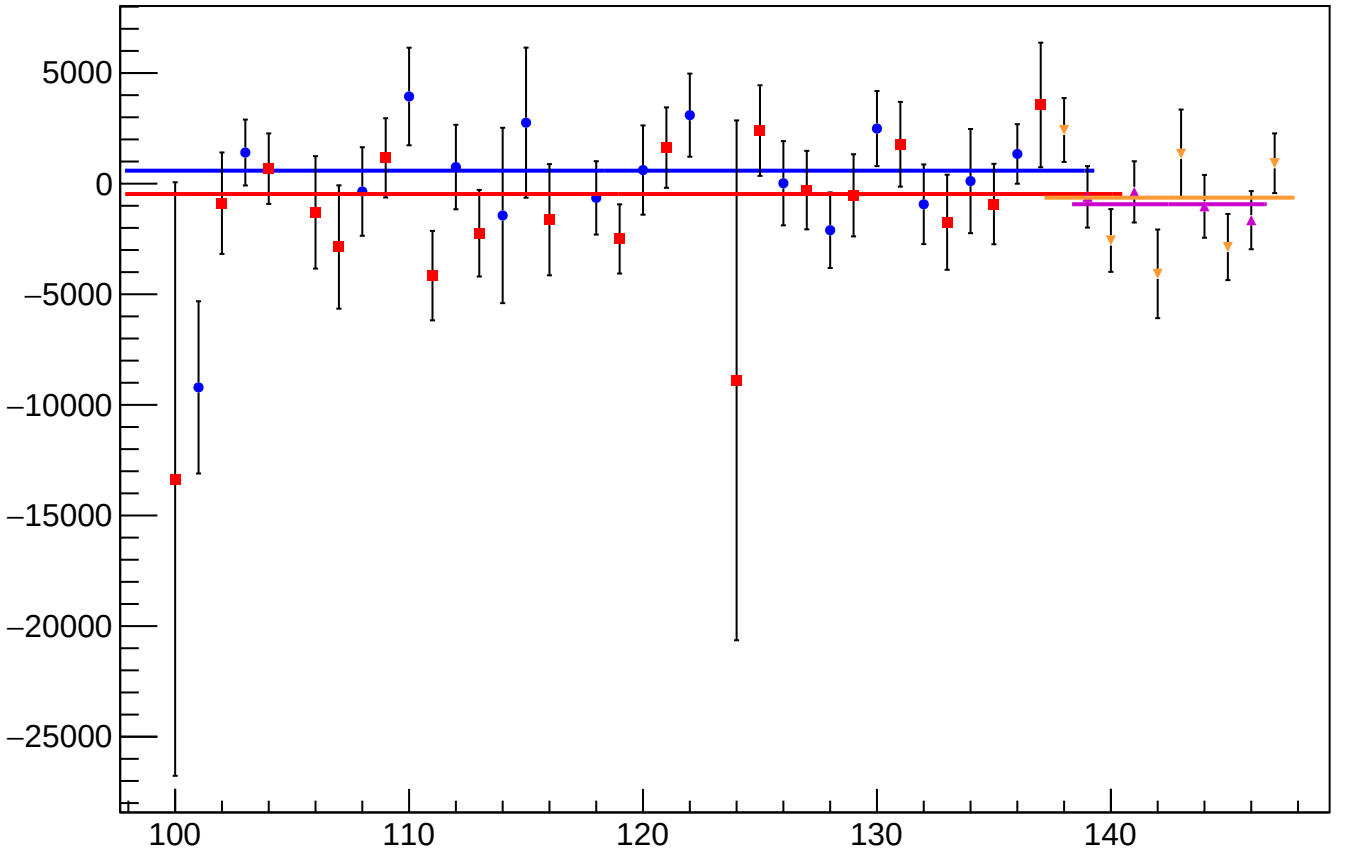
Left: 0.000+/-0.000 χ^2/NDF: 1060890.0/9

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5150624.5/19

Out: 0.000+/-0.000 χ^2/NDF:6257989.4/24

All: 0.000+/-0.000 χ^2/NDF: 11409634.2/44



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.775+/-636.101 χ^2/NDF:13.8/5

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -930.335+/-688.021 χ^2/NDF:0.5/3

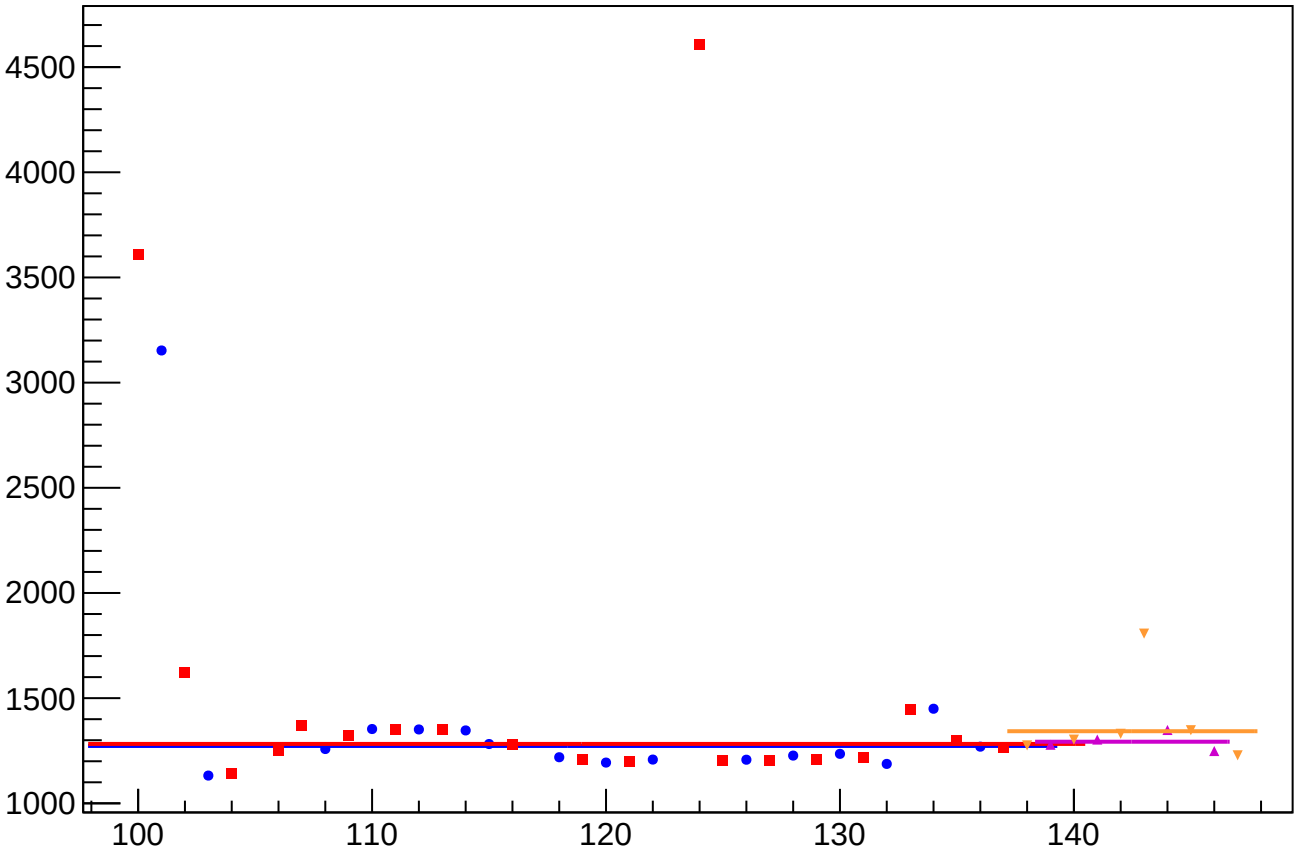
Left: -770.444+/-467.069 χ^2/NDF: 14.5/9

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 86.828+/-395.004 χ^2/NDF:20.9/19

Out: -528.873+/-383.415 χ^2/NDF:30.7/24

All: -230.187+/-275.121 χ^2/NDF: 52.8/44



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

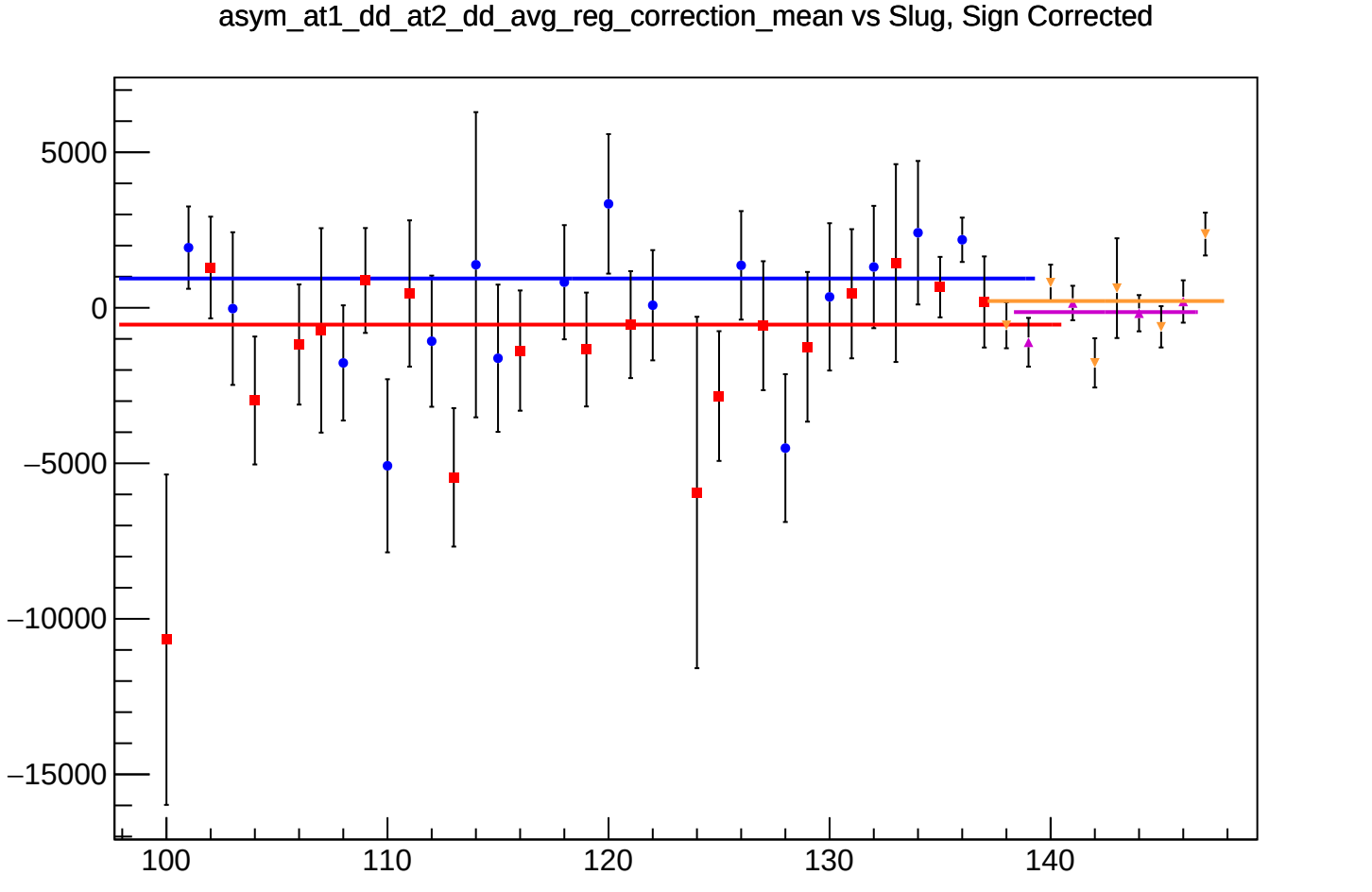
Left: 1319.798+/-0.330 χ^2/NDF: 139458.0/9

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1279.421+/-0.279 χ^2/NDF:526110.6/19

Out: 1304.324+/-0.271 χ^2/NDF:461684.1/24

All: 1292.243+/-0.195 χ^2/NDF: 991887.8/44



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 217.403+/-298.713 χ^2/NDF:19.9/5

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -138.037+/-316.509 χ^2/NDF:2.1/3

Left: 49.956+/-217.241 χ^2/NDF: 22.6/9

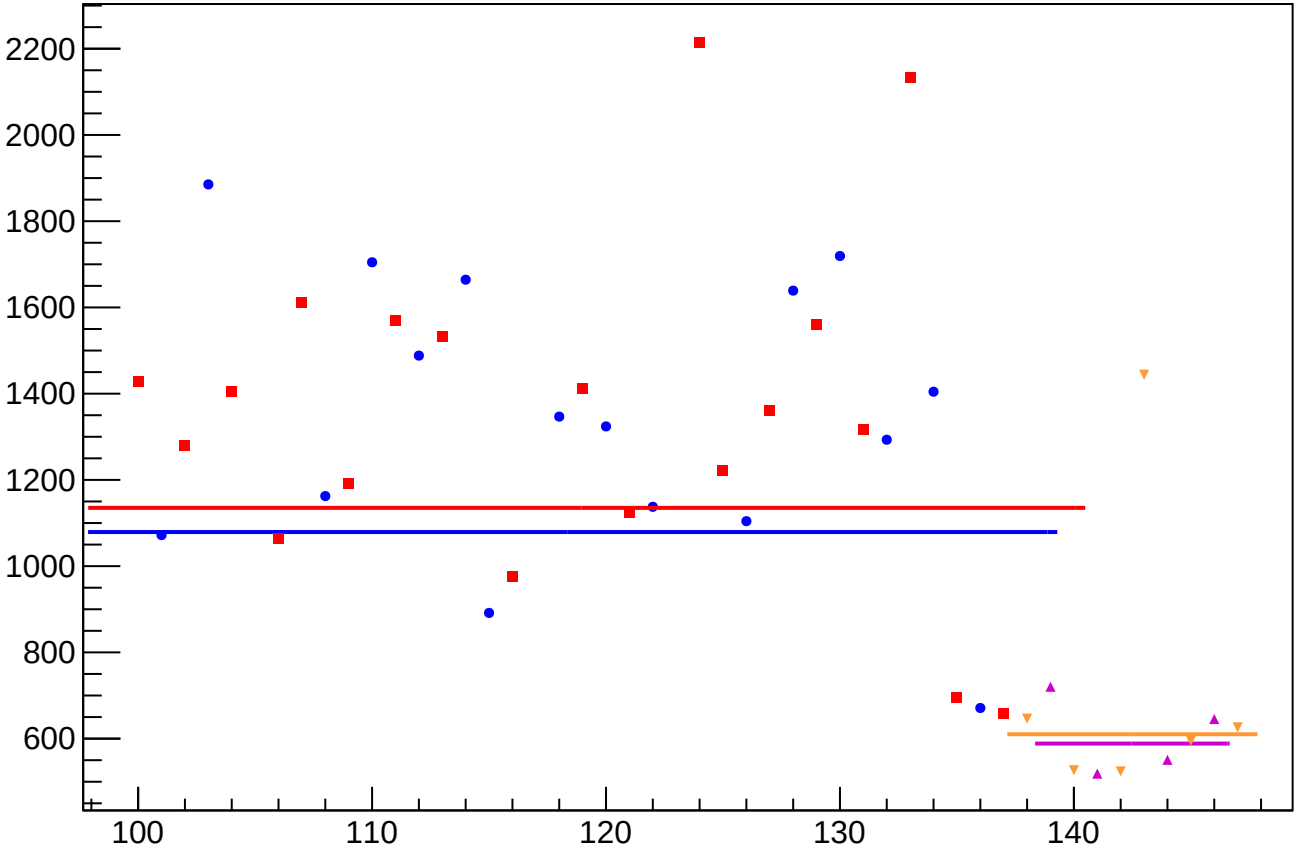
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 246.212+/-254.026 χ^2/NDF:26.1/19

Out: -21.816+/-247.124 χ^2/NDF:39.1/24

All: 108.507+/-177.133 χ^2/NDF: 65.8/44

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: 610.220+/-0.211 χ^2/NDF:613203.9/5

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 588.492+/-0.224 χ^2/NDF:110559.1/3

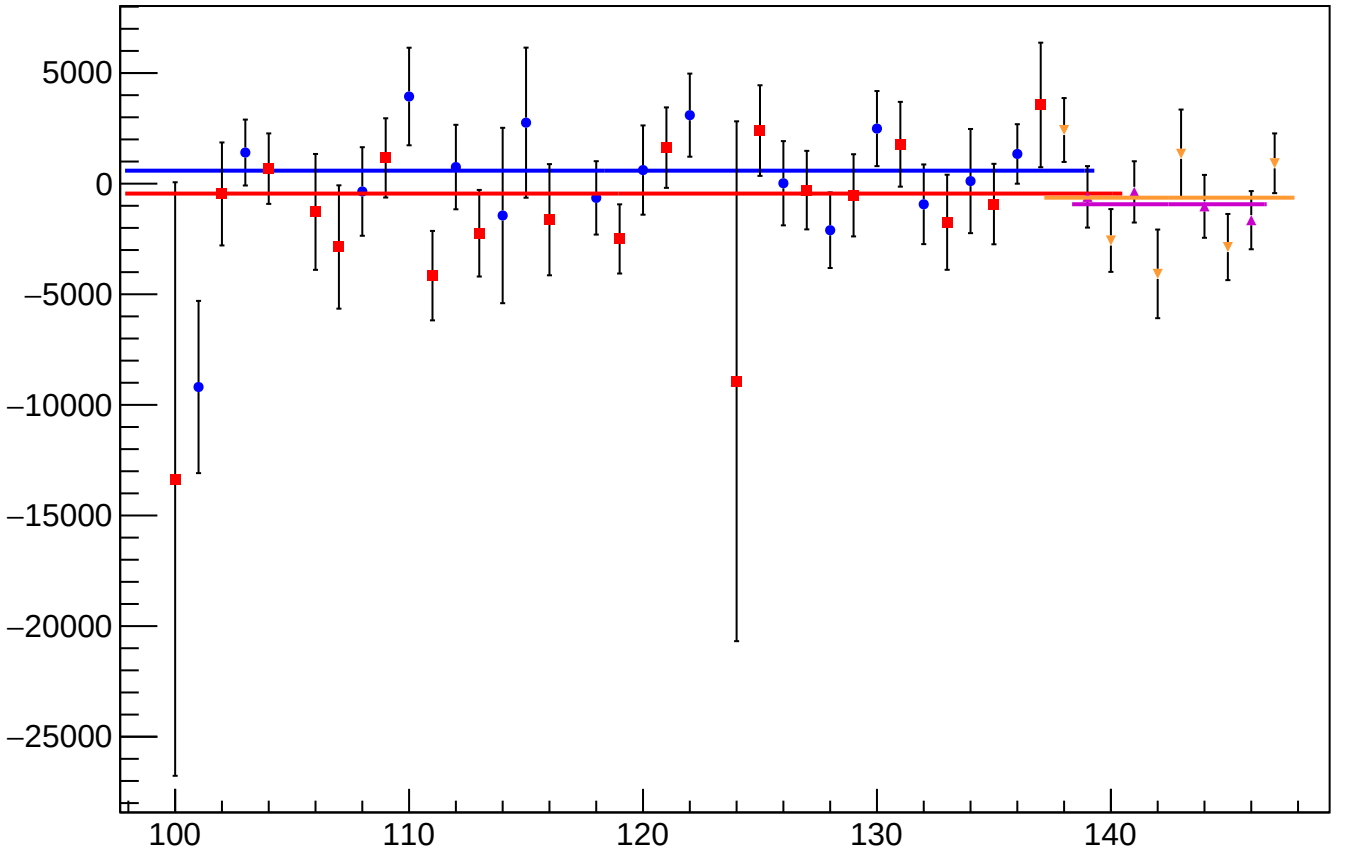
Left: 599.984+/-0.154 χ^2/NDF: 728747.9/9

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 763.083+/-0.180 χ^2/NDF:3302933.2/19

Out: 775.882+/-0.175 χ^2/NDF:3855476.7/24

All: 769.659+/-0.125 χ^2/NDF: 7161018.2/44



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -930.296+/-688.021 χ^2/NDF:0.5/3

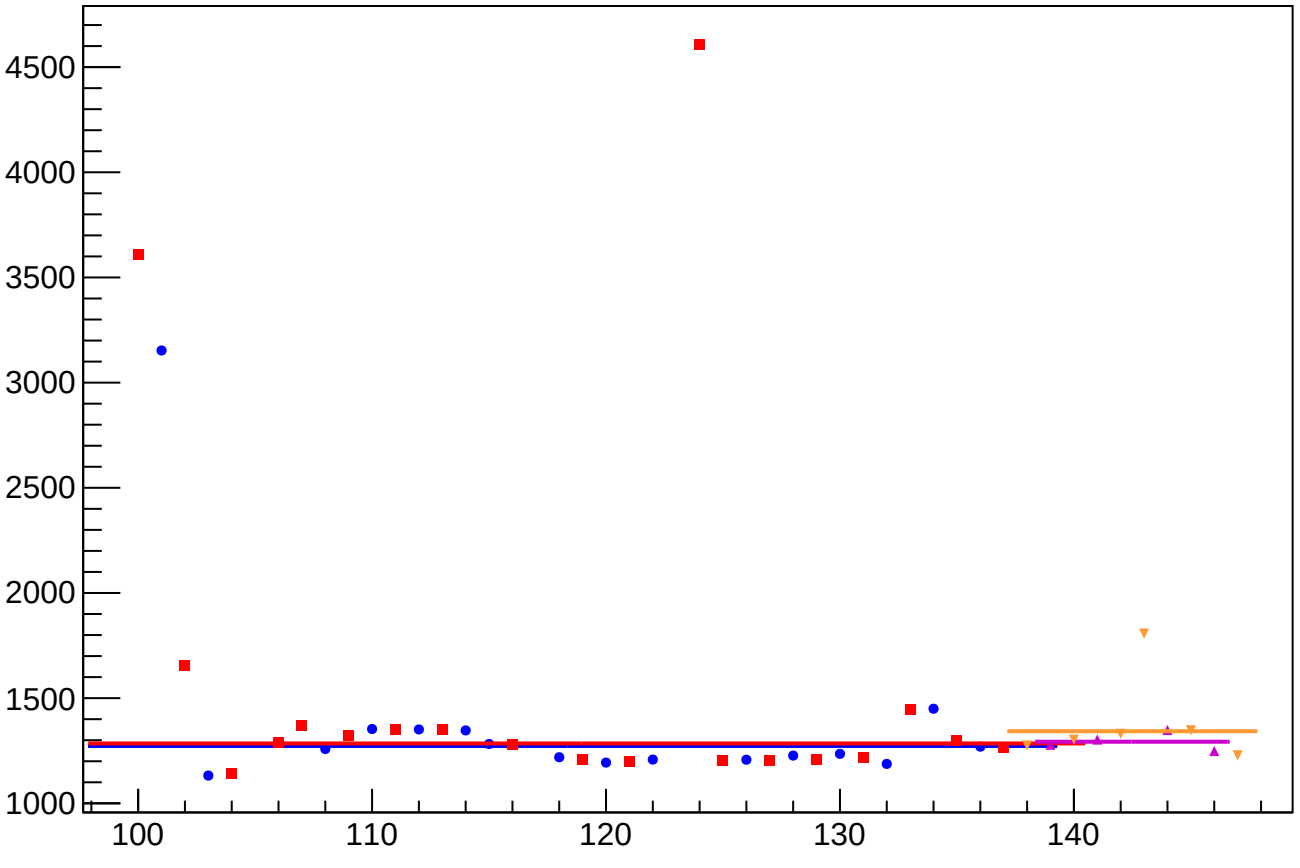
Left: -770.505+/-467.069 χ^2/NDF: 14.5/9

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 87.055+/-395.004 χ^2/NDF:20.8/19

Out: -515.956+/-383.830 χ^2/NDF:30.7/24

All: -223.100+/-275.274 χ^2/NDF: 52.7/44



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

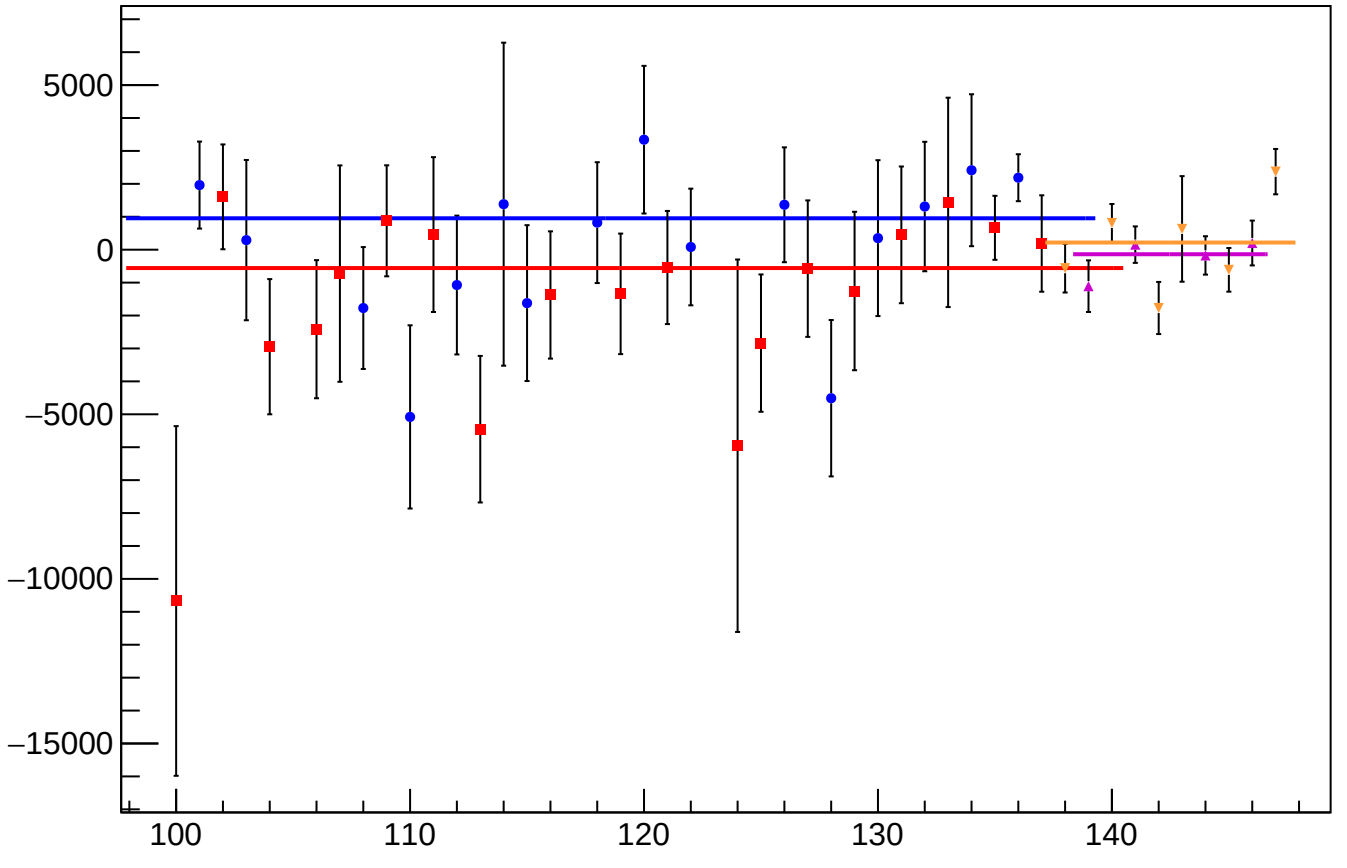
Left: 1319.798+/-0.330 χ^2/NDF: 139458.0/9

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1279.421+/-0.279 χ^2/NDF:526112.0/19

Out: 1305.828+/-0.271 χ^2/NDF:467472.9/24

All: 1293.003+/-0.195 χ^2/NDF: 998182.3/44



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -138.093+/-316.505 χ^2/NDF:2.1/3

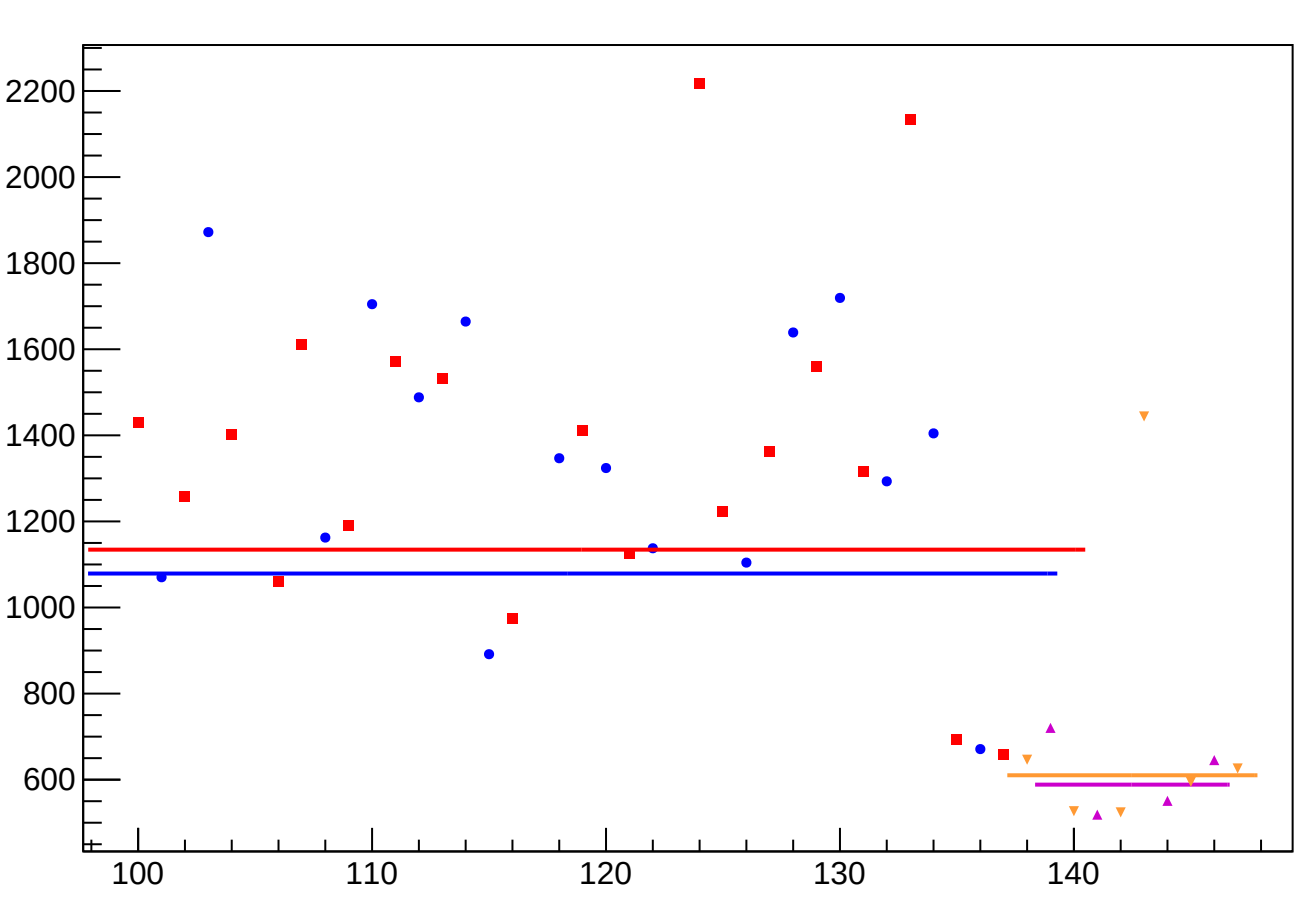
Left: 49.934+/-217.242 χ^2/NDF: 22.6/9

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 250.785+/-253.987 χ^2/NDF:26.2/19

Out: -26.625+/-247.278 χ^2/NDF:40.4/24

All: 108.368+/-177.176 χ^2/NDF: 67.2/44



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

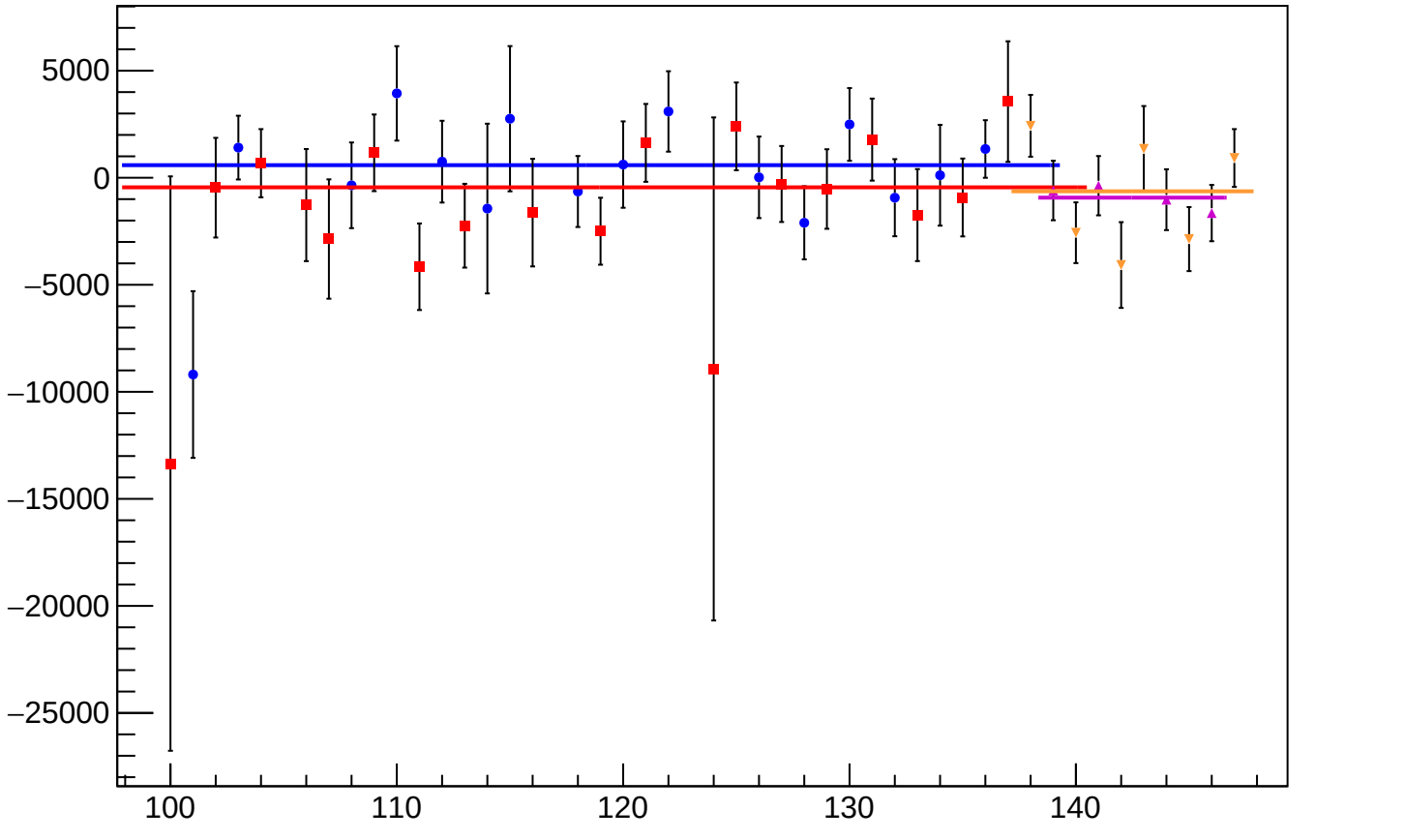
Left: 599.988+/-0.154 χ^2/NDF: 728722.9/9

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 763.102+/-0.180 χ^2/NDF:3299111.8/19

Out: 775.227+/-0.175 χ^2/NDF:3840519.7/24

All: 769.327+/-0.125 χ^2/NDF: 7141971.2/44



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -633.921+/-636.101 χ^2/NDF:13.8/5

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -930.296+/-688.021 χ^2/NDF:0.5/3

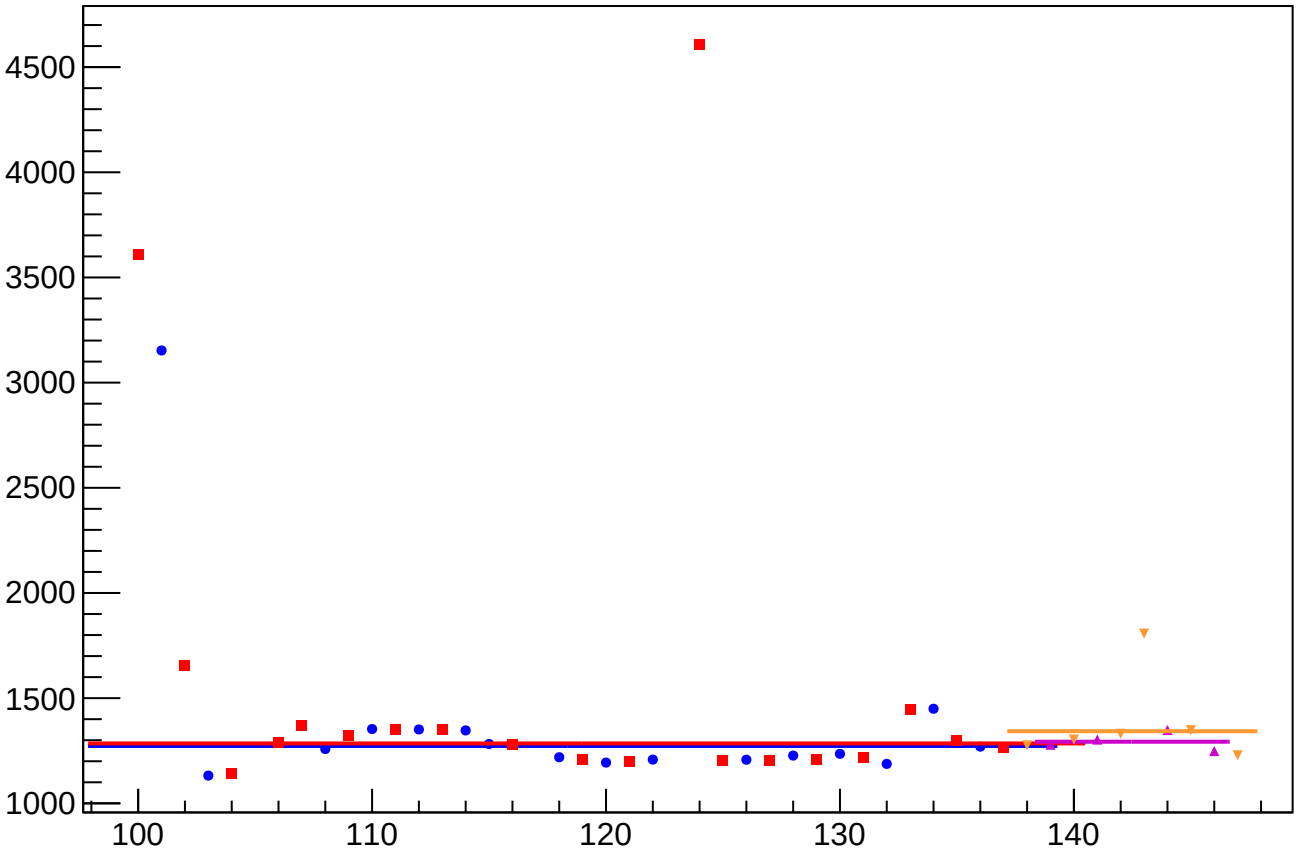
Left: -770.505+/-467.069 χ^2/NDF: 14.5/9

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 87.055+/-395.004 χ^2/NDF:20.8/19

Out: -515.956+/-383.830 χ^2/NDF:30.7/24

All: -223.100+/-275.274 χ^2/NDF: 52.7/44



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1342.807+/-0.450 χ^2/NDF:128108.6/5

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1292.879+/-0.487 χ^2/NDF:5671.0/3

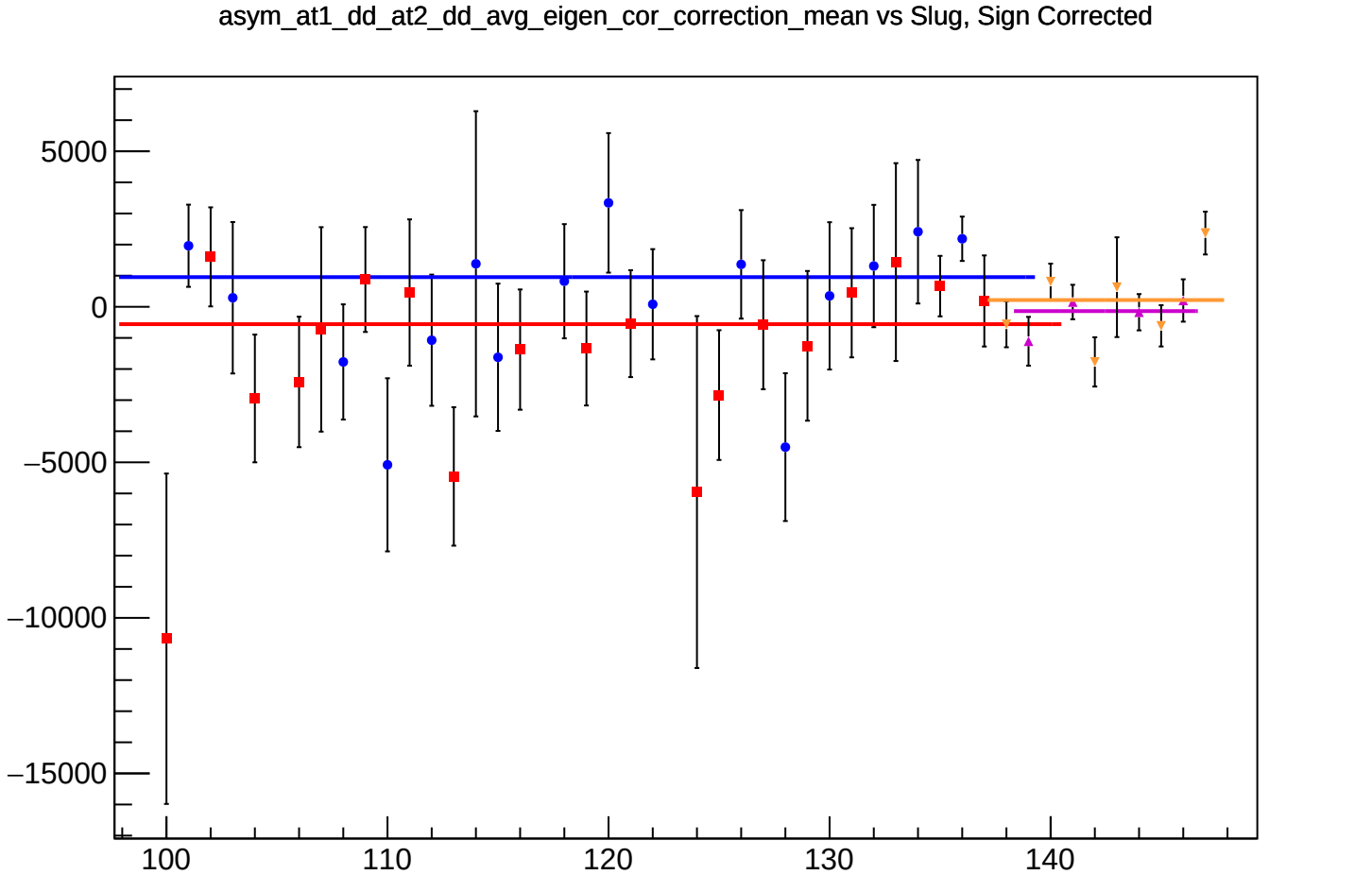
Left: 1319.798+/-0.330 χ^2/NDF: 139458.0/9

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1279.421+/-0.279 χ^2/NDF:526112.0/19

Out: 1305.828+/-0.271 χ^2/NDF:467472.9/24

All: 1293.003+/-0.195 χ^2/NDF: 998182.3/44



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 217.423+/-298.719 χ^2/NDF:19.9/5

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -138.093+/-316.505 χ^2/NDF:2.1/3

Left: 49.934+/-217.242 χ^2/NDF: 22.6/9

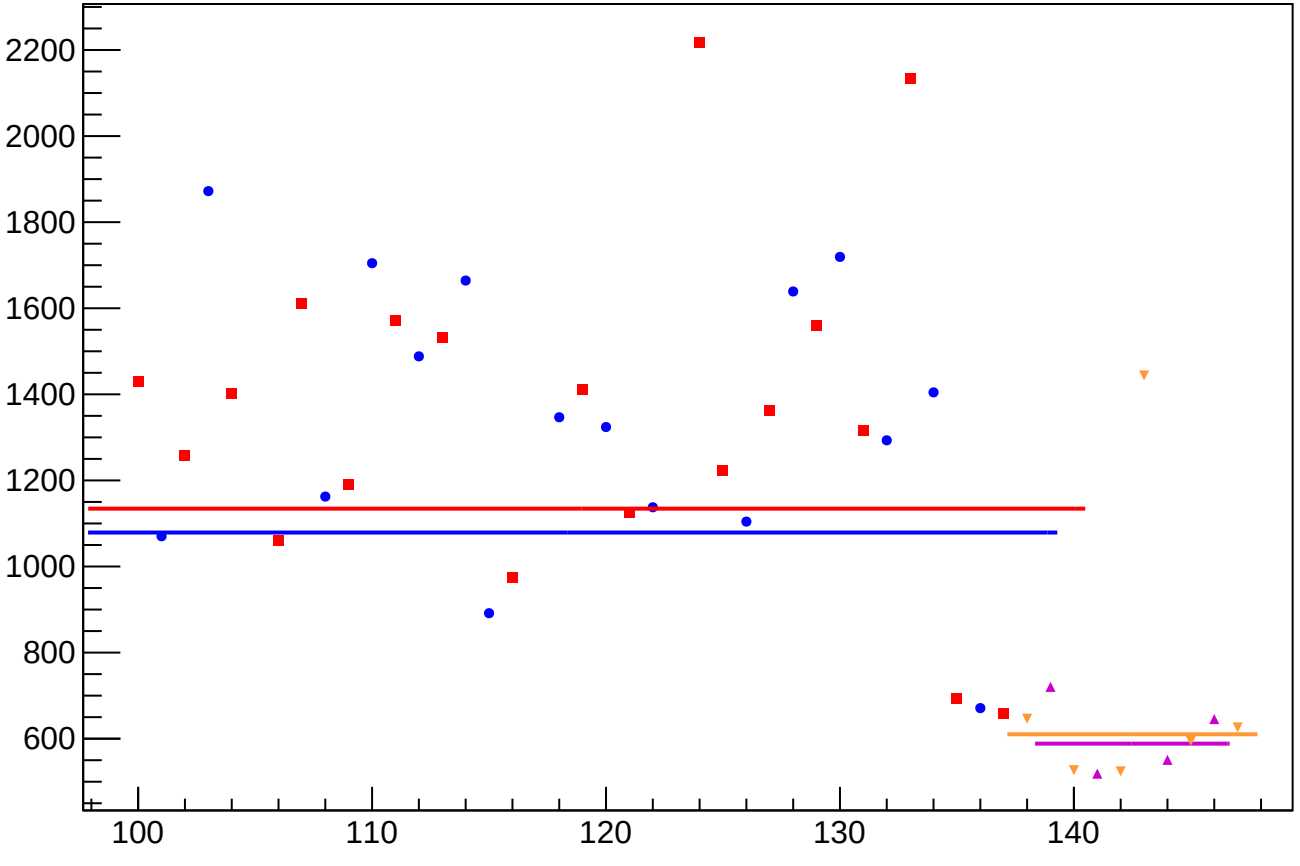
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 250.785+/-253.987 χ^2/NDF:26.2/19

Out: -26.625+/-247.278 χ^2/NDF:40.4/24

All: 108.368+/-177.176 χ^2/NDF: 67.2/44

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: 610.234+/-0.211 χ^2/NDF:613149.5/5

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 588.485+/-0.224 χ^2/NDF:110578.4/3

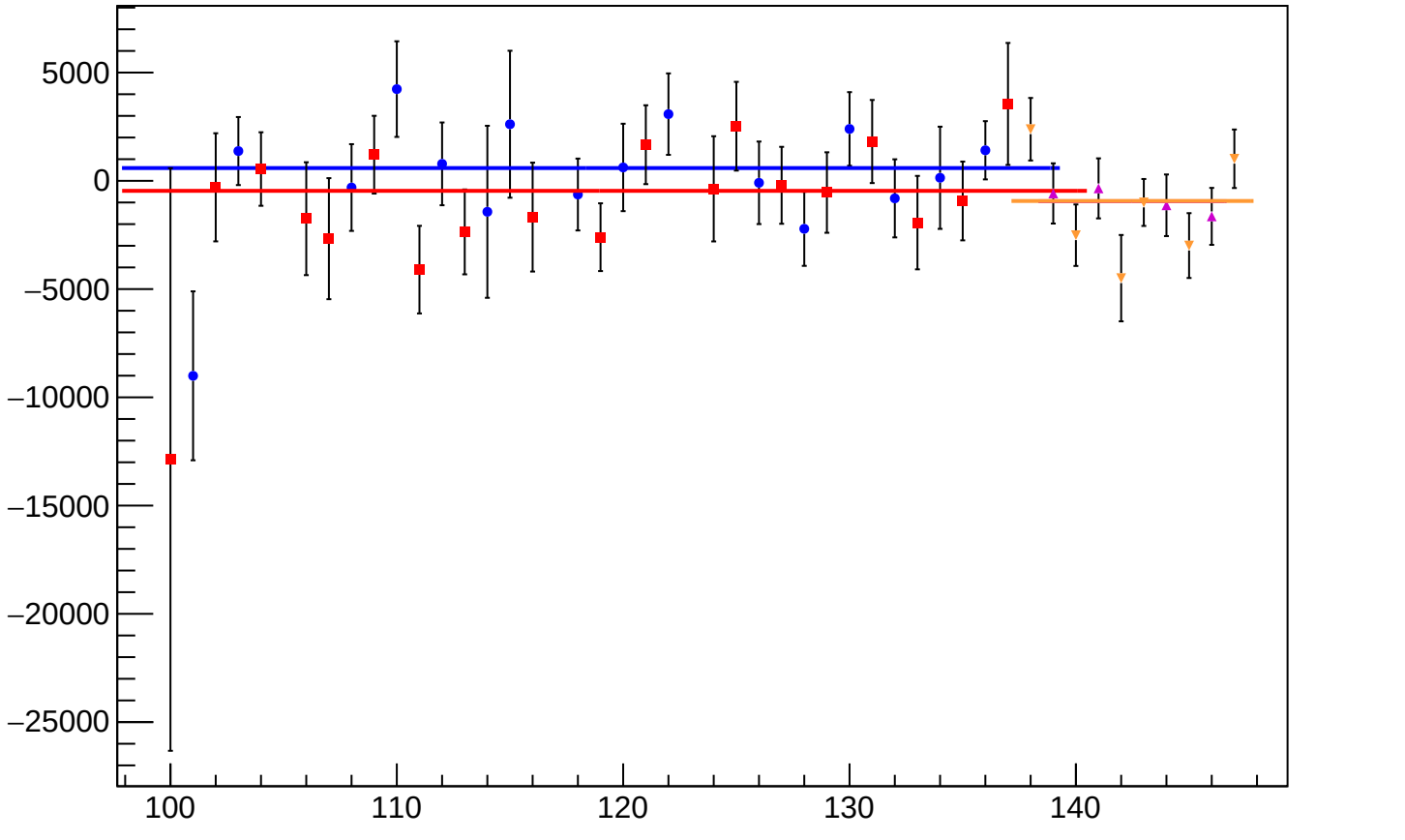
Left: 599.988+/-0.154 χ^2/NDF: 728722.9/9

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 763.102+/-0.180 χ^2/NDF:3299111.8/19

Out: 775.227+/-0.175 χ^2/NDF:3840519.7/24

All: 769.327+/-0.125 χ^2/NDF: 7141971.2/44



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -930.652+/-570.551 χ^2/NDF:13.7/5

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -942.900+/-688.596 χ^2/NDF:0.6/3

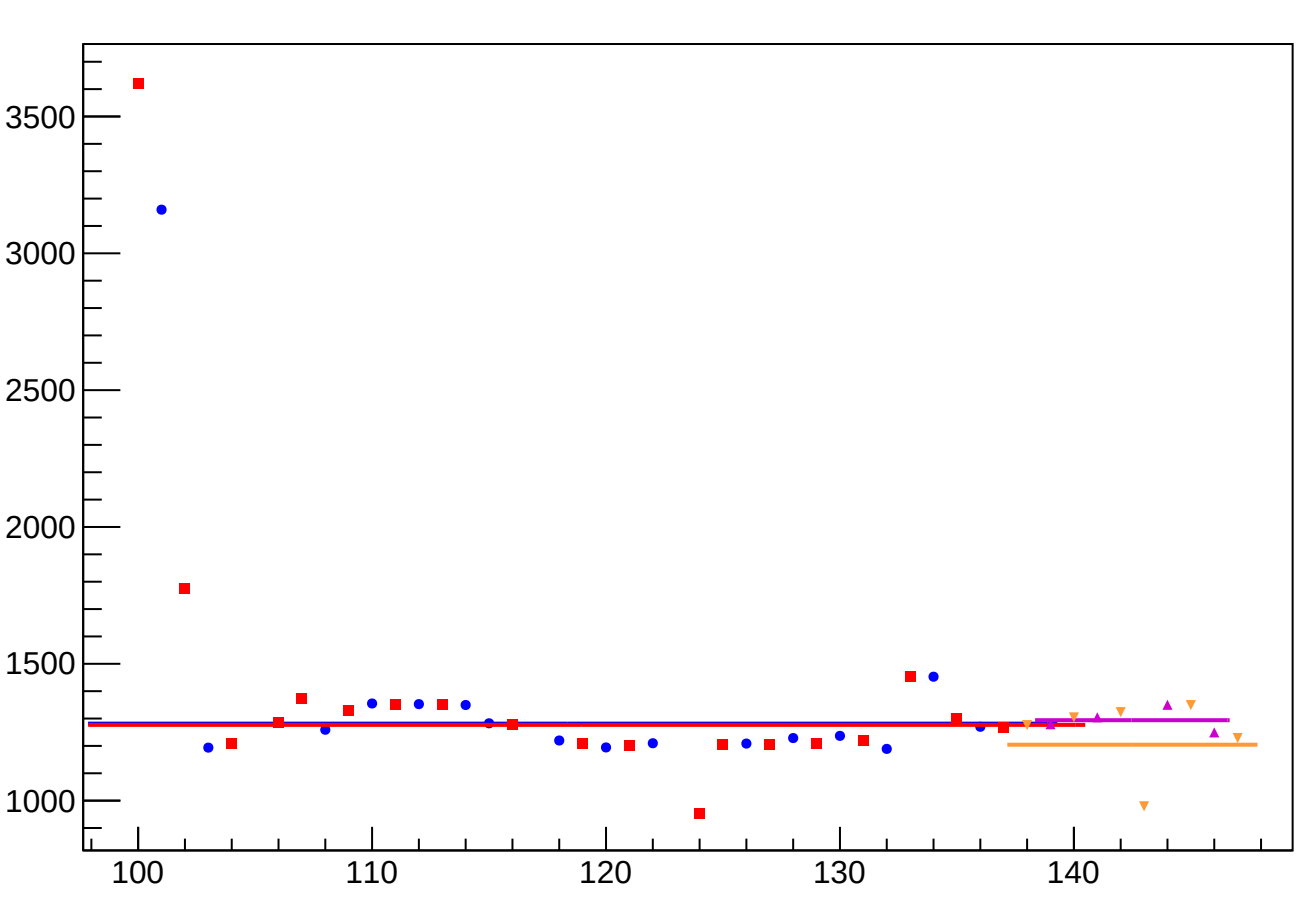
Left: -935.638+/-439.337 χ^2/NDF: 14.2/9

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 81.248+/-396.783 χ^2/NDF:21.0/19

Out: -655.063+/-365.862 χ^2/NDF:30.8/24

All: -316.711+/-268.972 χ^2/NDF: 53.6/44



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.7/5

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

Left: 1240.826+/-0.311 χ^2/NDF: 153305.7/9

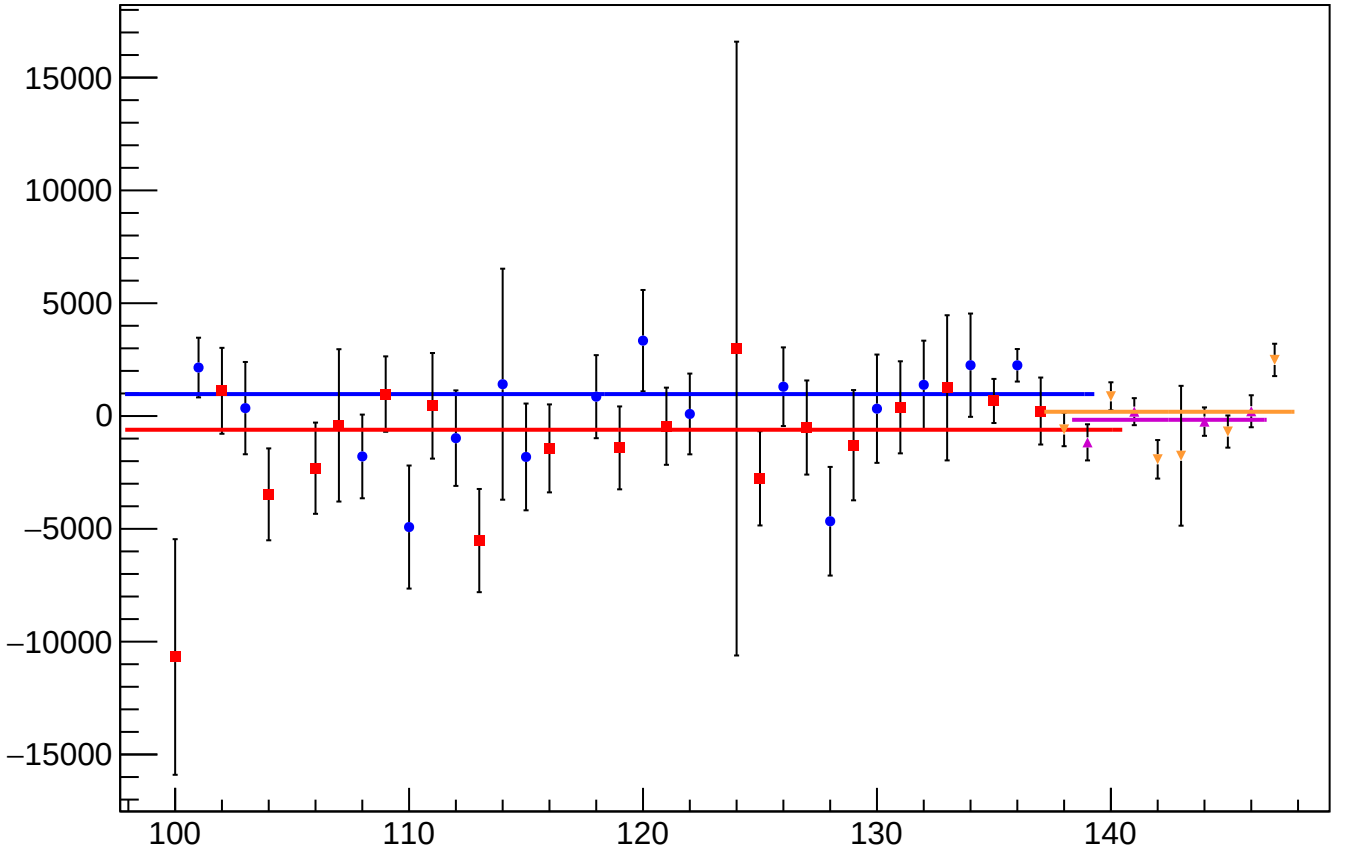
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1285.545+/-0.281 χ^2/NDF:513293.7/19

Out: 1247.047+/-0.259 χ^2/NDF:366992.7/24

All: 1264.738+/-0.190 χ^2/NDF: 890462.3/44

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 189.072+/-319.587 χ^2/NDF:20.6/5

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -167.395+/-335.989 χ^2/NDF:2.2/3

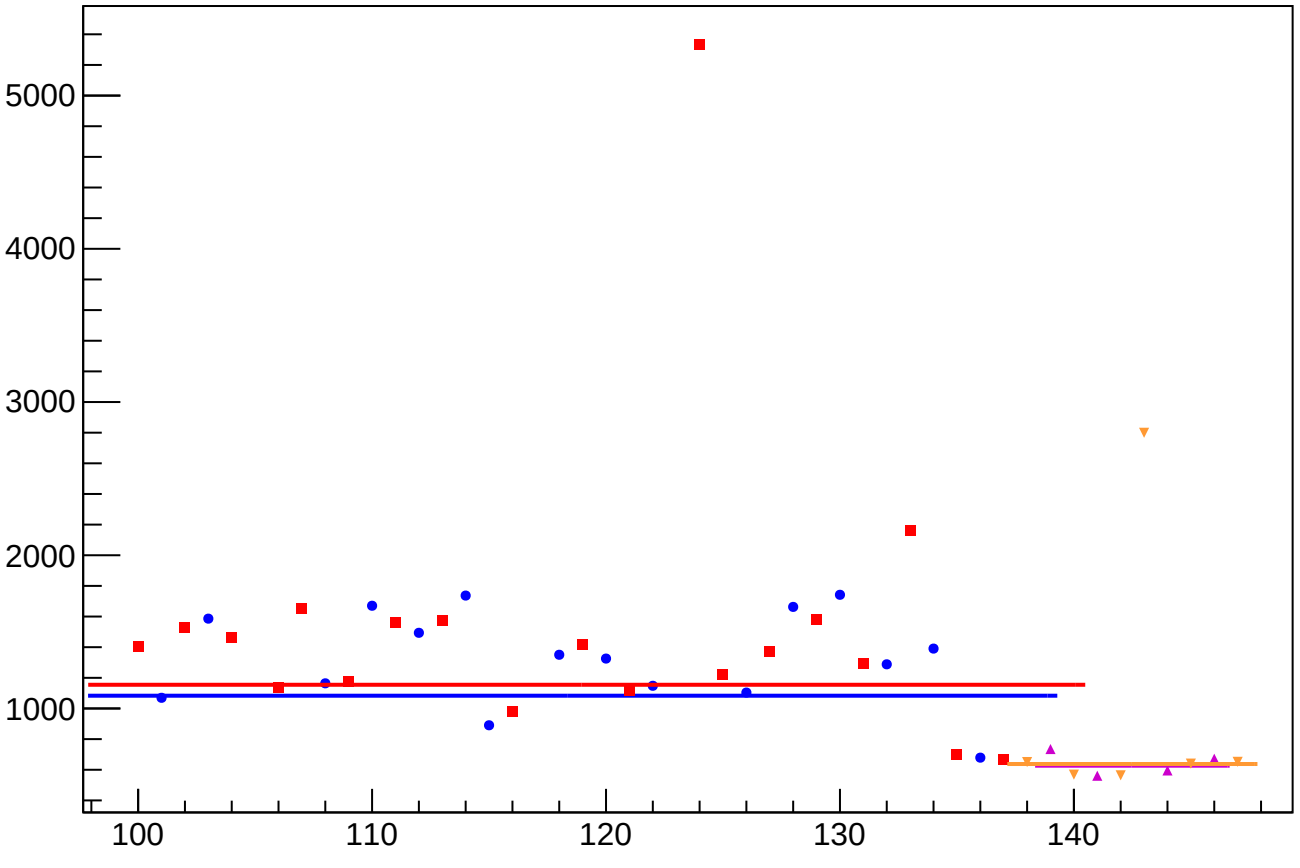
Left: 19.751+/-231.563 χ^2/NDF: 23.4/9

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 270.661+/-263.624 χ^2/NDF:27.1/19

Out: -80.106+/-260.120 χ^2/NDF:39.8/24

All: 92.931+/-185.159 χ^2/NDF: 67.8/44



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 637.582+/-0.226 χ^2/NDF:1014436.8/5

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 626.529+/-0.238 χ^2/NDF:74001.9/3

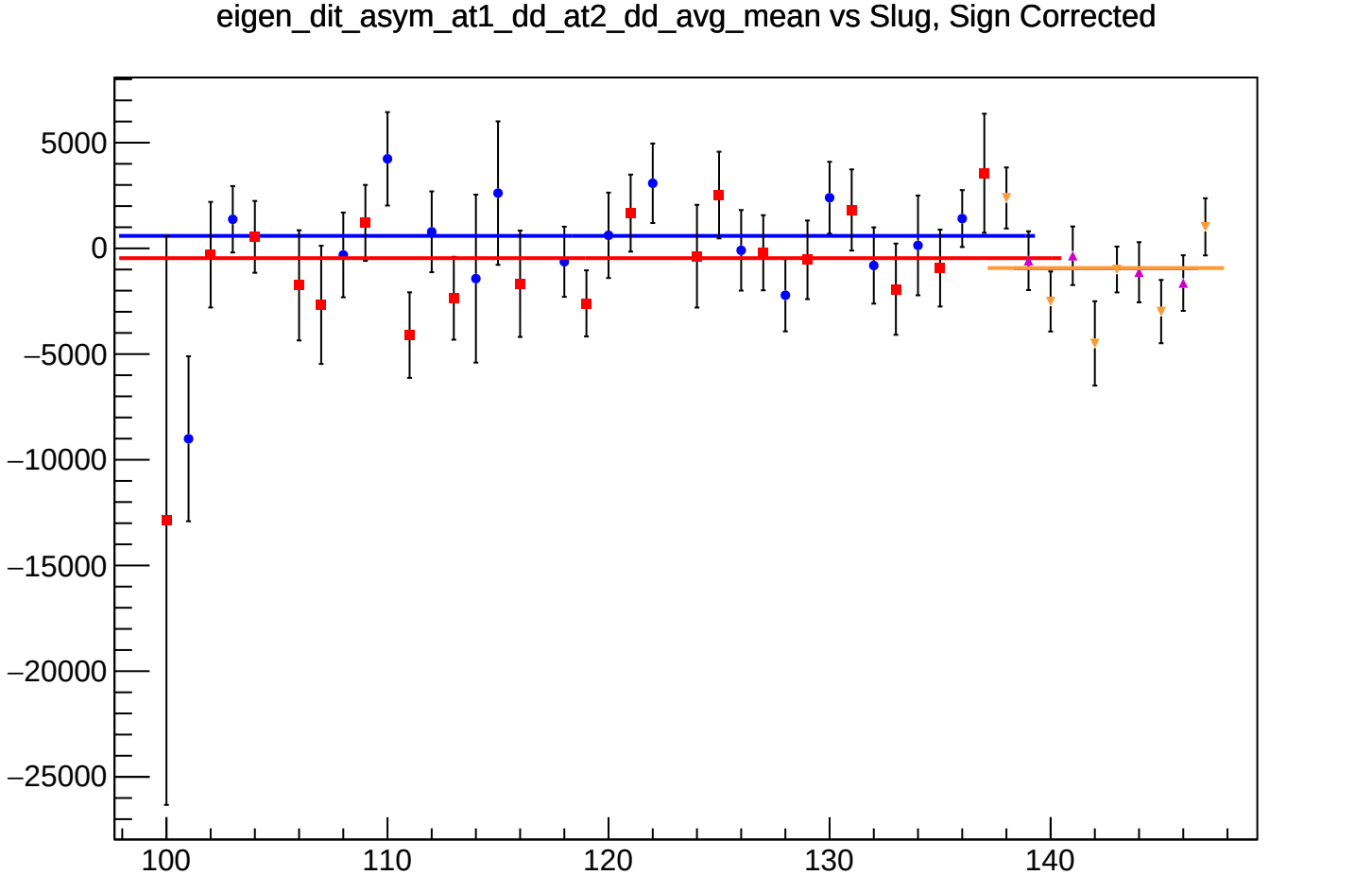
Left: 632.332+/-0.164 χ^2/NDF: 1089575.0/9

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 802.110+/-0.186 χ^2/NDF:2855141.4/19

Out: 812.130+/-0.184 χ^2/NDF:4270324.4/24

All: 807.187+/-0.131 χ^2/NDF: 7126929.9/44



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -930.653+/-570.551 χ^2/NDF:13.7/5

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -942.907+/-688.596 χ^2/NDF:0.6/3

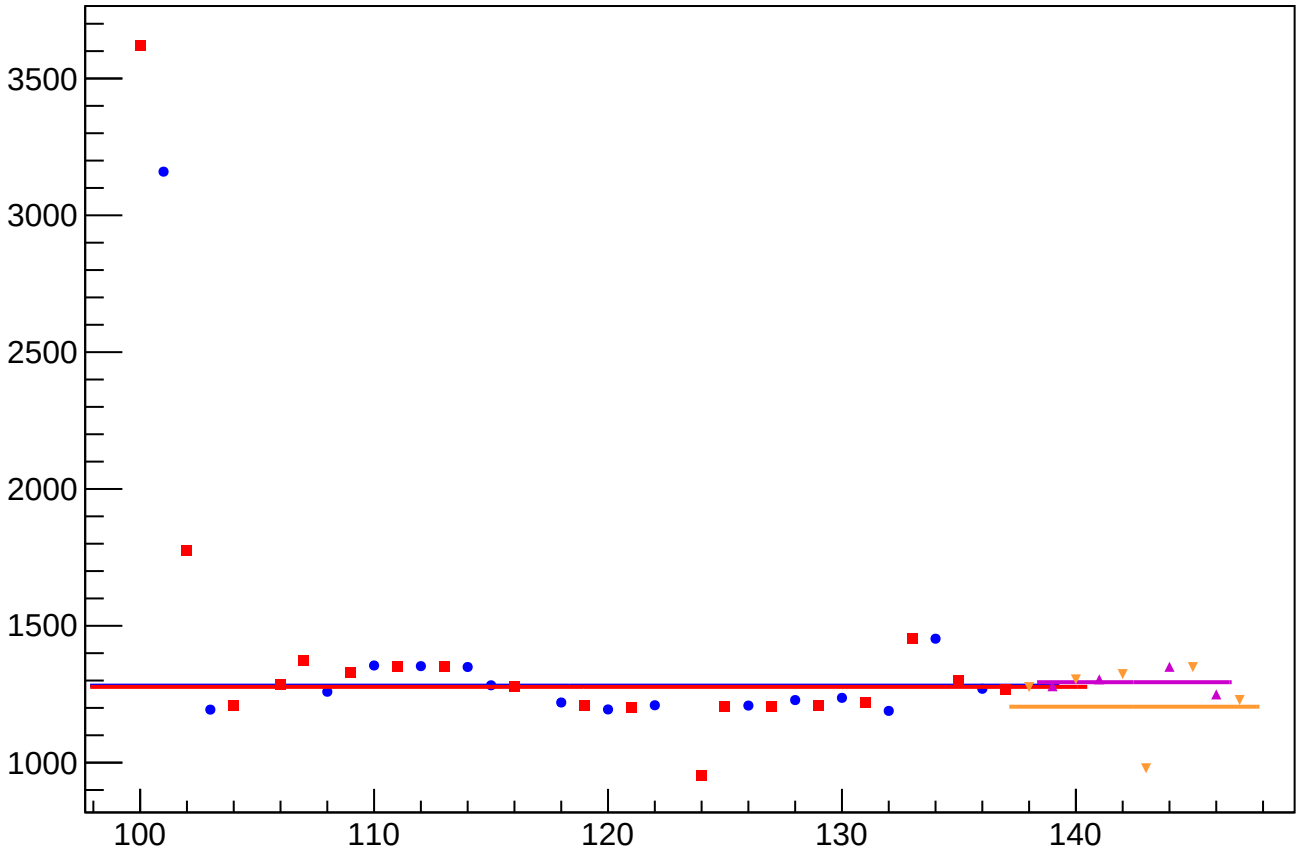
Left: -935.641+/-439.337 χ^2/NDF: 14.2/9

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 81.247+/-396.783 χ^2/NDF:21.0/19

Out: -655.063+/-365.863 χ^2/NDF:30.8/24

All: -316.712+/-268.972 χ^2/NDF: 53.6/44



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1204.357+/-0.403 χ^2/NDF:127462.1/5

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1293.947+/-0.487 χ^2/NDF:5769.6/3

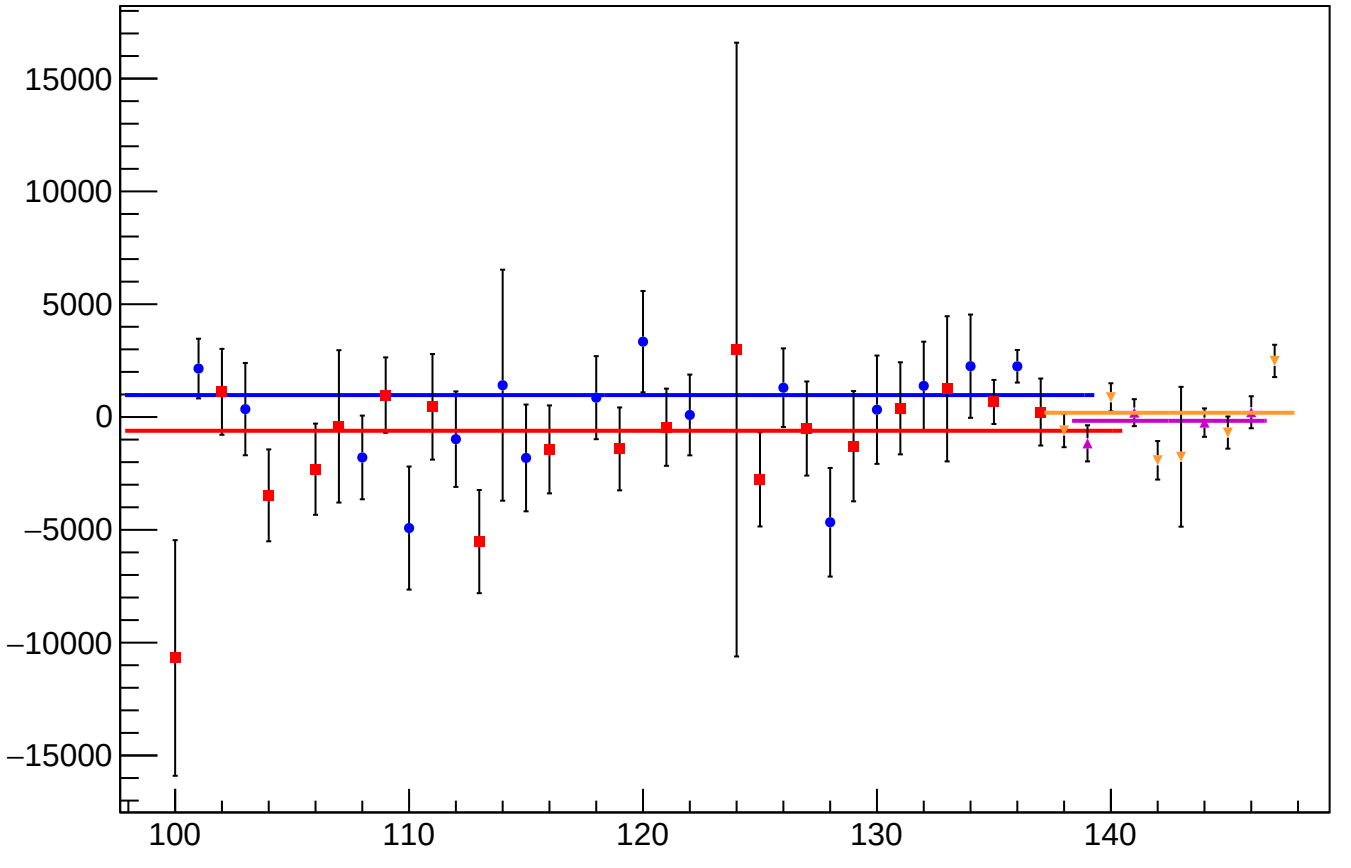
Left: 1240.826+/-0.311 χ^2/NDF: 153305.0/9

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1285.545+/-0.281 χ^2/NDF:513293.9/19

Out: 1247.048+/-0.259 χ^2/NDF:366991.7/24

All: 1264.738+/-0.190 χ^2/NDF: 890461.4/44



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 189.074+/-319.588 χ^2/NDF:20.6/5

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -167.394+/-335.989 χ^2/NDF:2.2/3

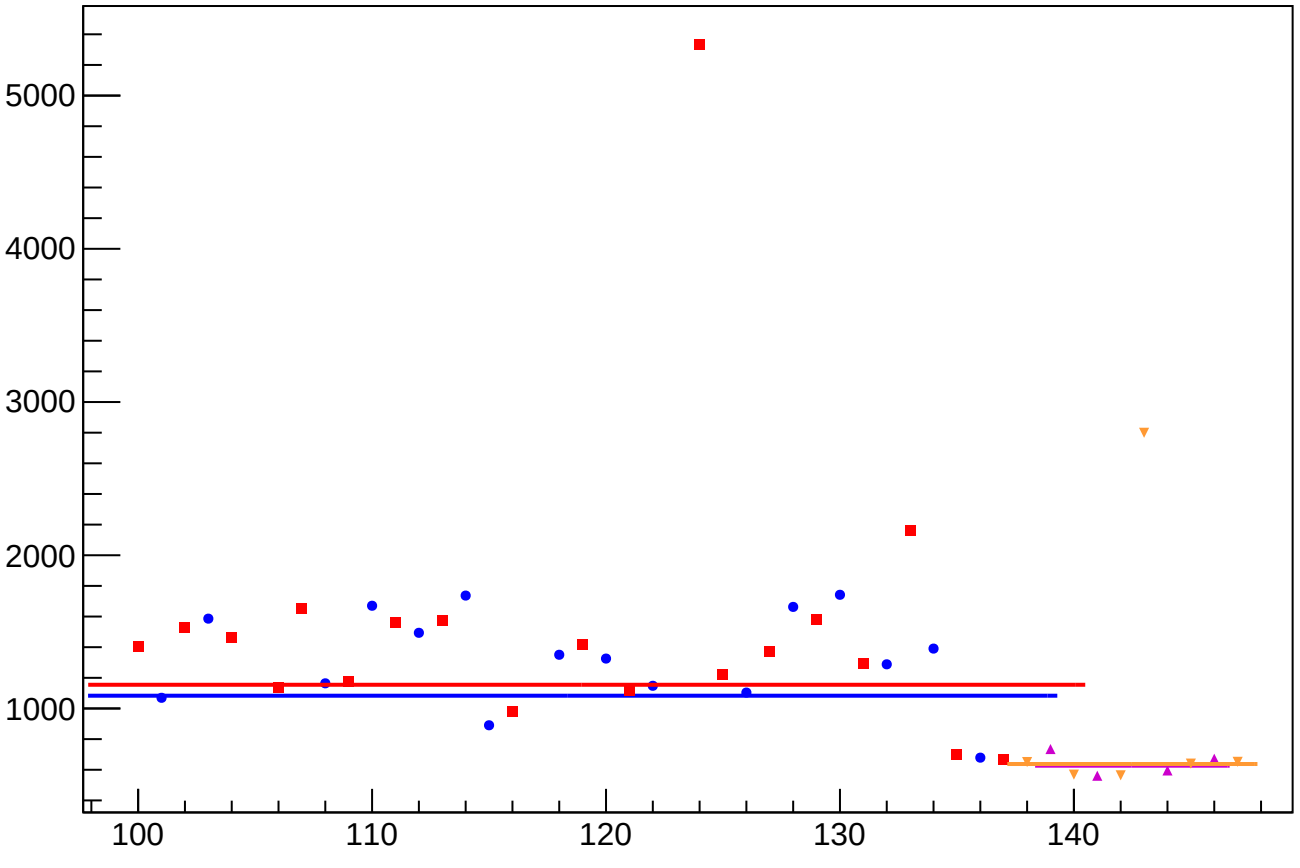
Left: 19.752+/-231.564 χ^2/NDF: 23.4/9

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 270.658+/-263.625 χ^2/NDF:27.1/19

Out: -80.107+/-260.121 χ^2/NDF:39.8/24

All: 92.929+/-185.160 χ^2/NDF: 67.8/44



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 637.584+/-0.226 χ^2/NDF:1014434.7/5

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 626.529+/-0.238 χ^2/NDF:74004.8/3

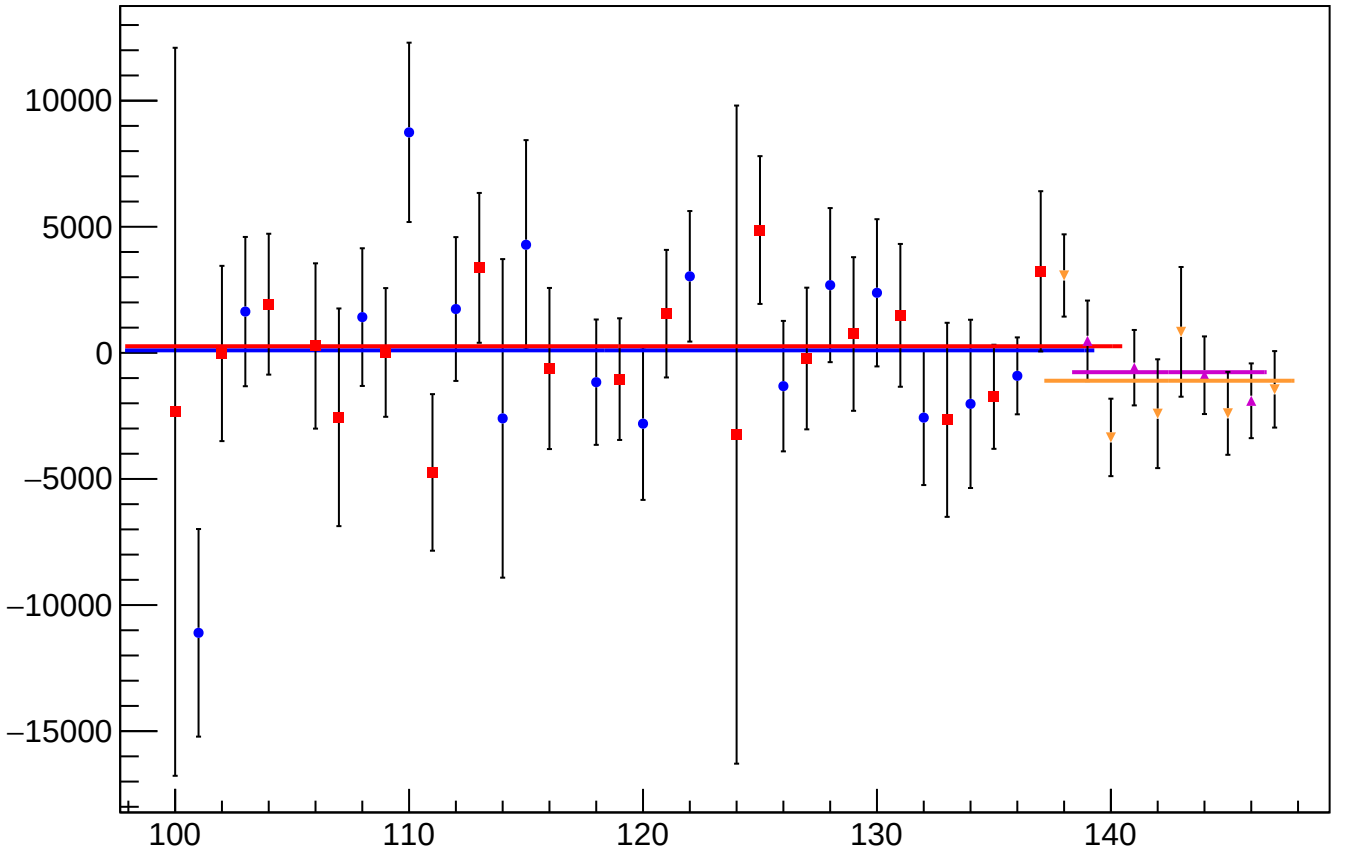
Left: 632.333+/-0.164 χ^2/NDF: 1089576.3/9

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 802.112+/-0.186 χ^2/NDF:2855120.4/19

Out: 812.135+/-0.184 χ^2/NDF:4270285.8/24

All: 807.190+/-0.131 χ^2/NDF: 7126871.1/44



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1105.110+/-712.342 χ^2/NDF:10.3/5

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -765.959+/-763.330 χ^2/NDF:1.2/3

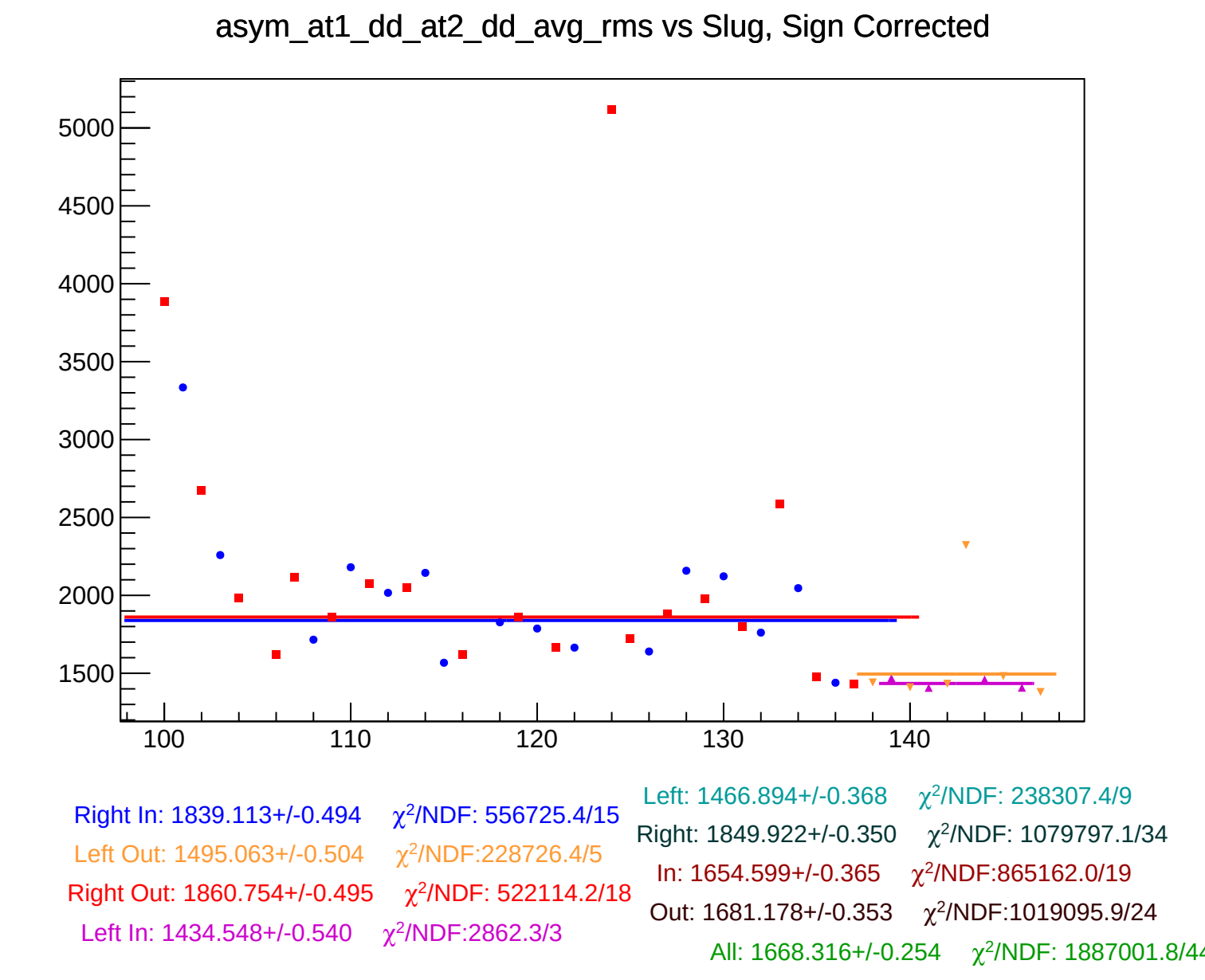
Left: -947.239+/-520.795 χ^2/NDF: 11.6/9

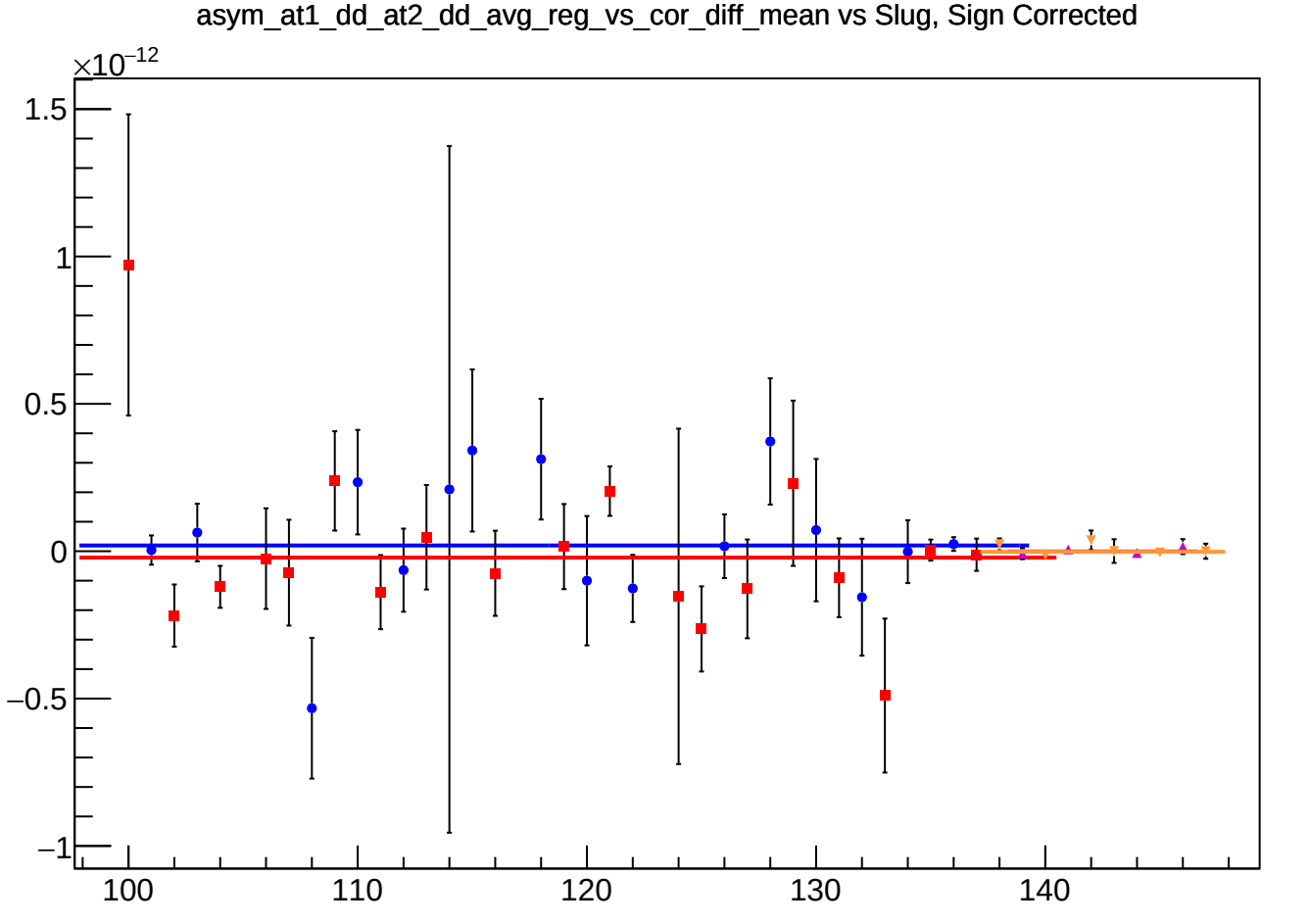
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

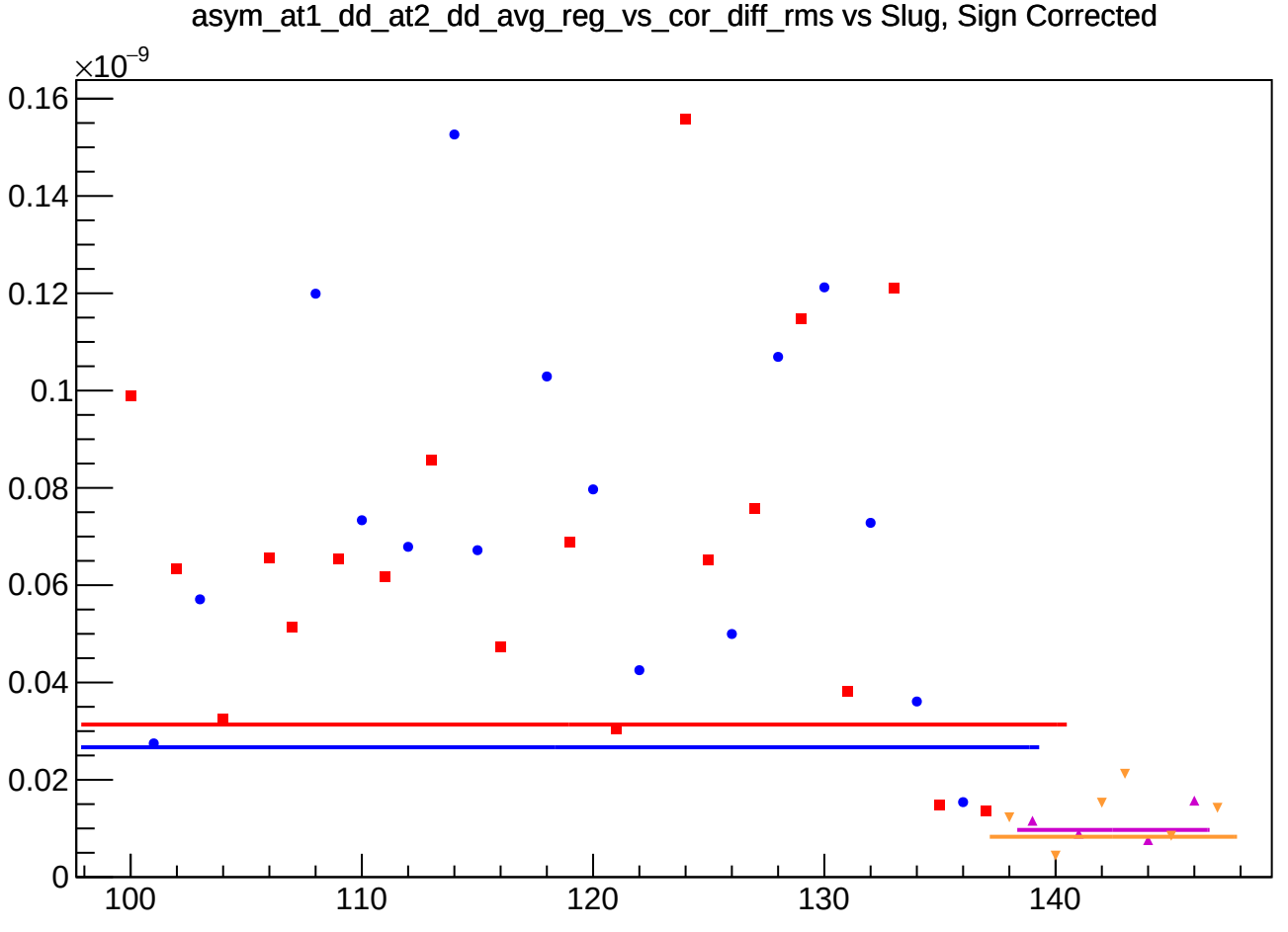
In: -294.702+/-515.506 χ^2/NDF:23.2/19

Out: -408.968+/-499.181 χ^2/NDF:22.5/24

All: -353.673+/-358.607 χ^2/NDF: 45.7/44


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
Right In: 1839.113+/-0.494 χ²/NDF: 556725.4/15
Left Out: 1495.063+/-0.504 χ²/NDF:228726.4/5
Right Out: 1860.754+/-0.495 χ²/NDF: 522114.2/18
Left In: 1434.548+/-0.540 χ²/NDF:2862.3/3
Left: 1466.894+/-0.368 χ²/NDF: 238307.4/9
Right: 1849.922+/-0.350 χ²/NDF: 1079797.1/34
In: 1654.599+/-0.365 χ²/NDF:865162.0/19
Out: 1681.178+/-0.353 χ²/NDF:1019095.9/24
All: 1668.316+/-0.254 χ²/NDF: 1887001.8/44


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 16.5/15
Left Out: -0.000+/-0.000 χ²/NDF:4.0/5
Right Out: -0.000+/-0.000 χ²/NDF: 28.2/18
Left In: -0.000+/-0.000 χ²/NDF:0.9/3
Left: -0.000+/-0.000 χ²/NDF: 4.9/9
Right: 0.000+/-0.000 χ²/NDF: 46.7/34
In: 0.000+/-0.000 χ²/NDF:18.3/19
Out: -0.000+/-0.000 χ²/NDF:32.9/24
All: -0.000+/-0.000 χ²/NDF: 51.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:746927.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:185270.3/3

Left: 0.000+/-0.000 χ^2/NDF: 963611.7/9

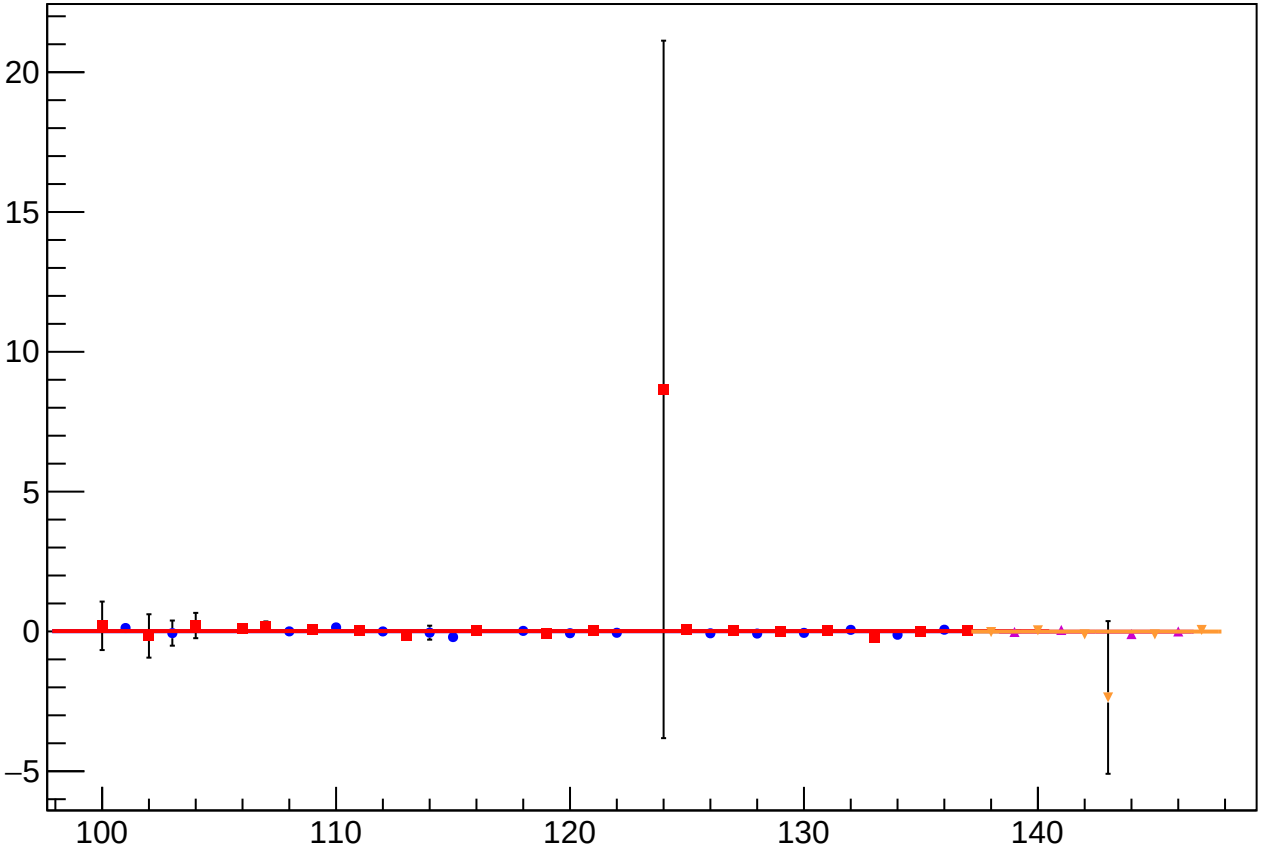
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4119157.1/19

Out: 0.000+/-0.000 χ^2/NDF:4951906.8/24

All: 0.000+/-0.000 χ^2/NDF: 9148412.7/44

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.008+/-0.014 χ^2/NDF: 12.2/9

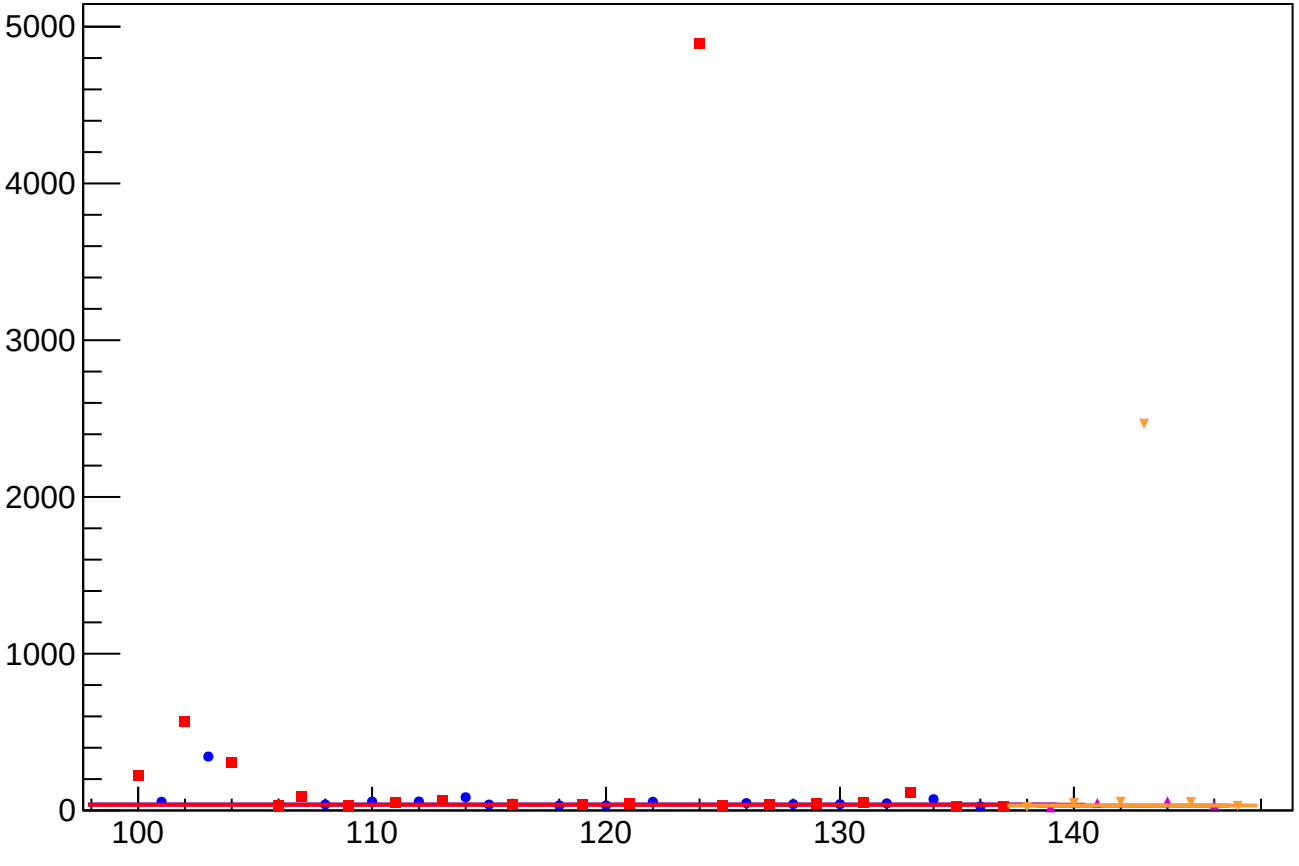
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.003+/-0.009 χ^2/NDF: 45.1/44

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: 31.782+/-0.013 χ^2/NDF:2393922.2/5

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

Left: 31.451+/-0.010 χ^2/NDF: 3265581.6/9

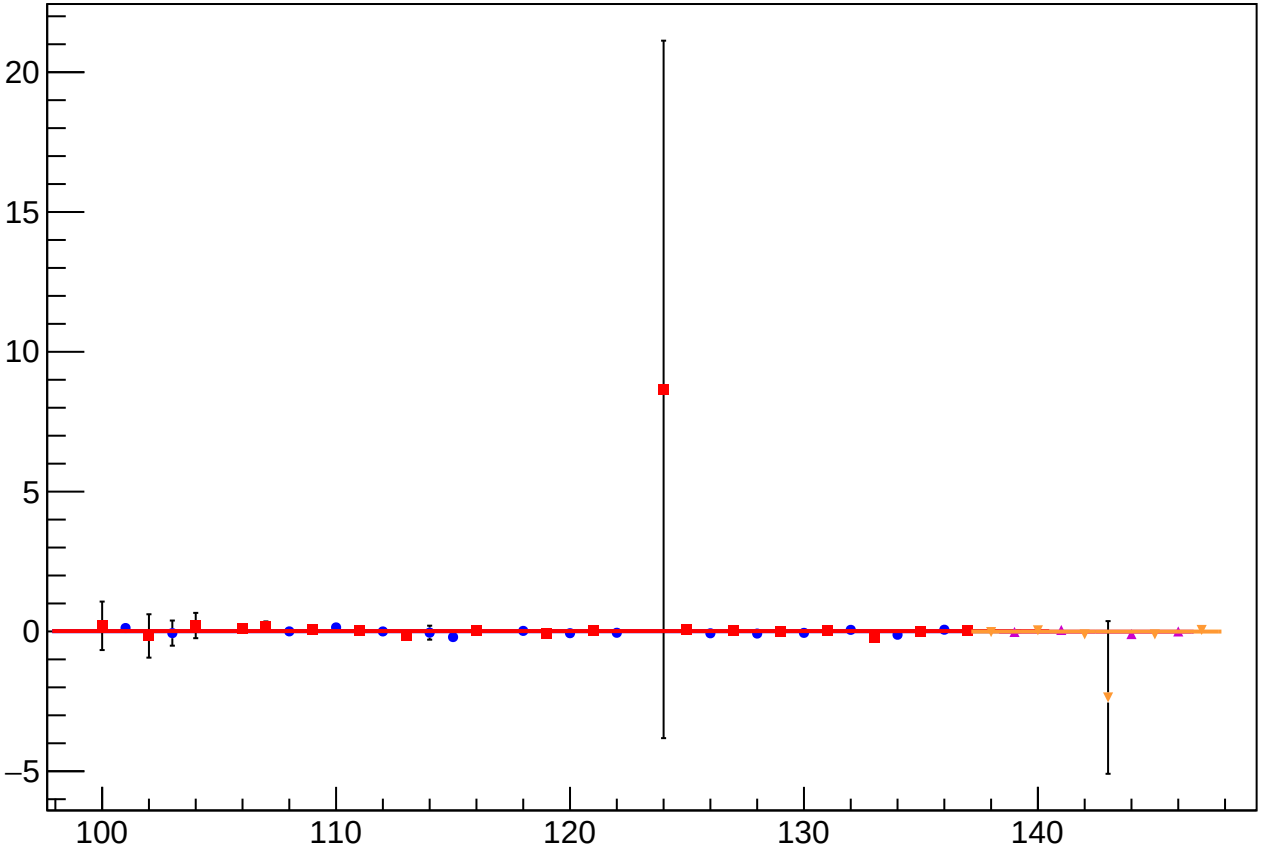
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.885+/-0.009 χ^2/NDF:2982753.7/19

Out: 34.586+/-0.009 χ^2/NDF:5663355.4/24

All: 34.737+/-0.006 χ^2/NDF: 8646686.6/44

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.008+/-0.014 χ^2/NDF: 12.2/9

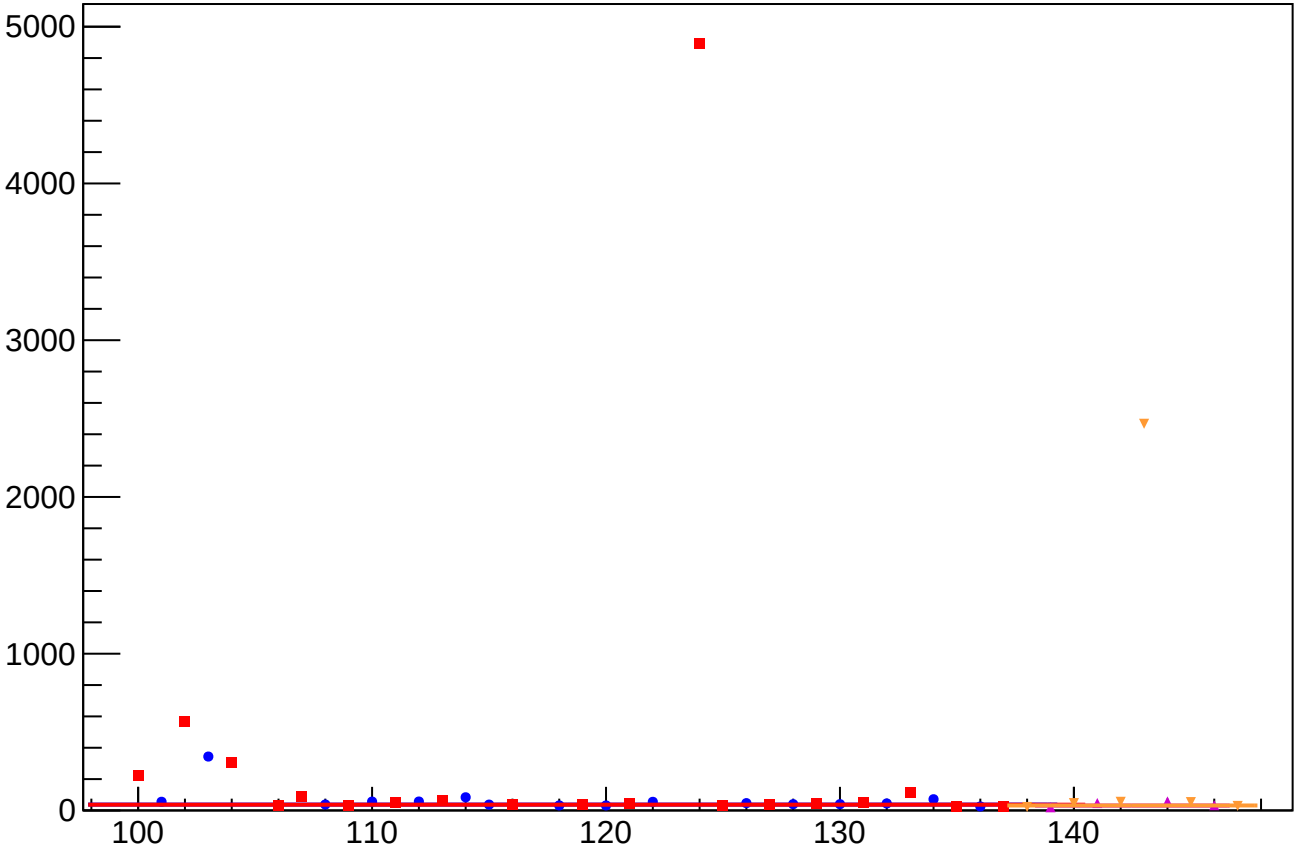
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.003+/-0.009 χ^2/NDF: 45.1/44

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: 31.782+/-0.013 χ^2/NDF:2393922.2/5

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.100+/-0.014 χ^2/NDF:870386.2/3

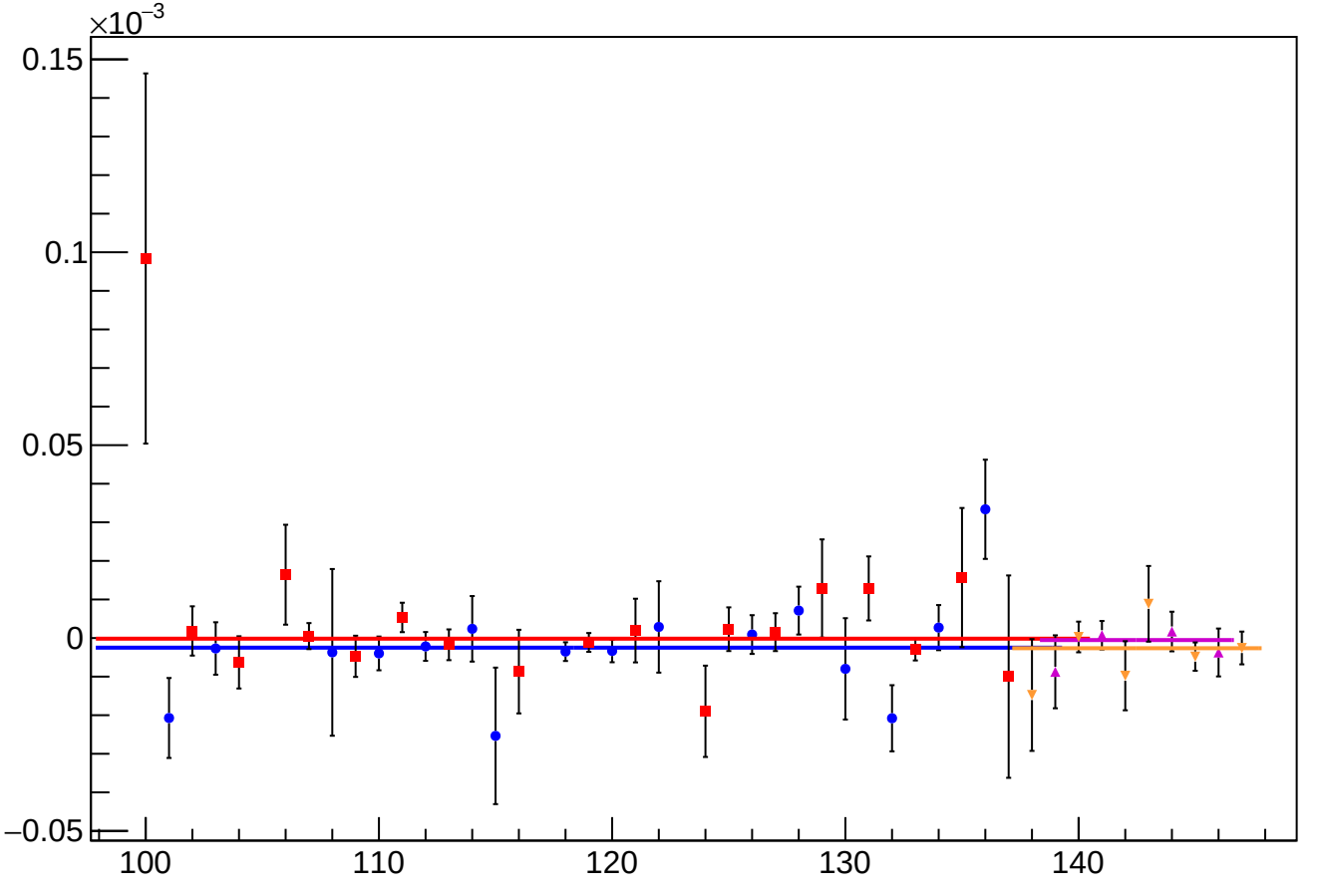
Left: 31.451+/-0.010 χ^2/NDF: 3265581.6/9

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.885+/-0.009 χ^2/NDF:2982753.7/19

Out: 34.586+/-0.009 χ^2/NDF:5663355.4/24

All: 34.737+/-0.006 χ^2/NDF: 8646686.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/3

Left: -0.000+/-0.000 χ^2/NDF: 5.3/9

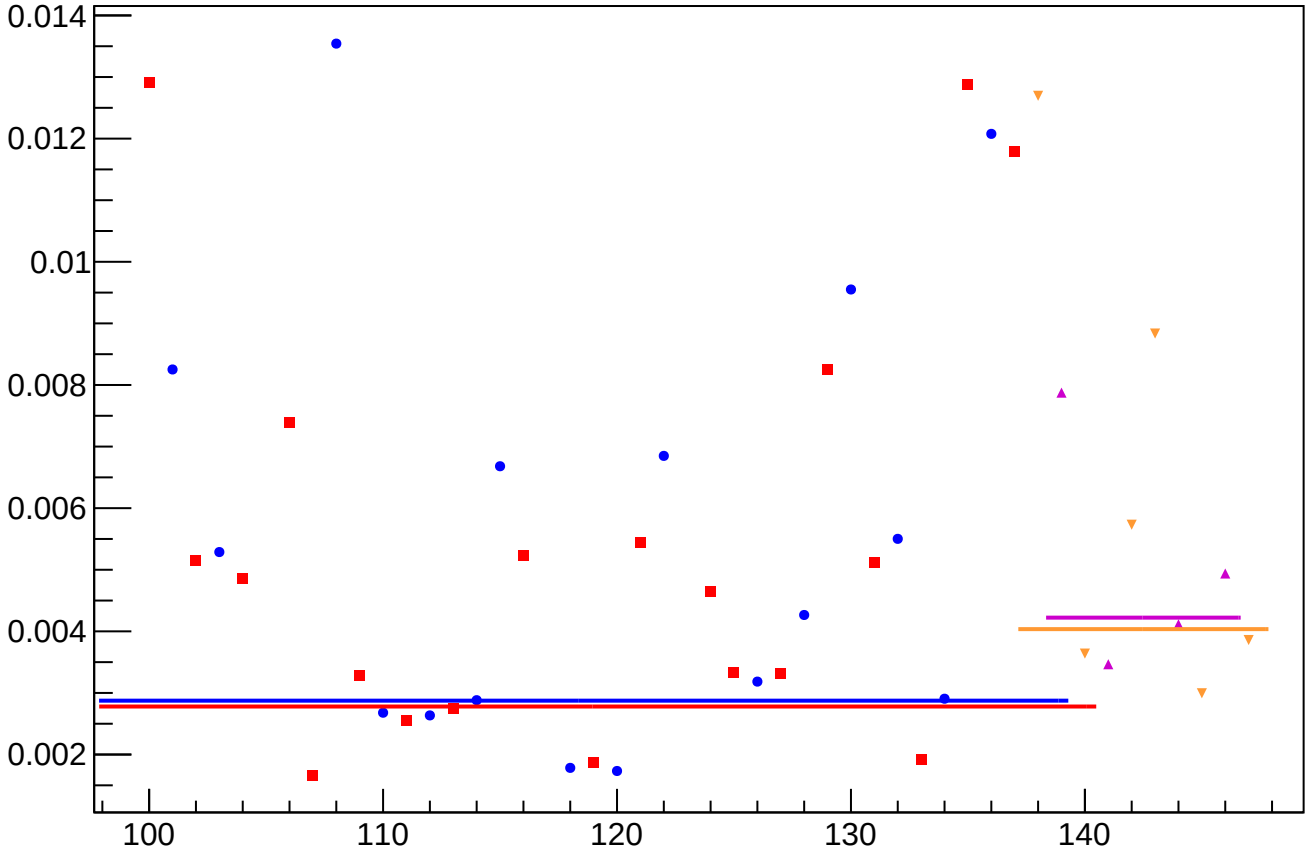
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:23.6/19

Out: -0.000+/-0.000 χ^2/NDF:23.5/24

All: -0.000+/-0.000 χ^2/NDF: 47.9/44

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:1449080.1/5

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:409779.0/3

Left: 0.004+/-0.000 χ^2/NDF: 1865027.4/9

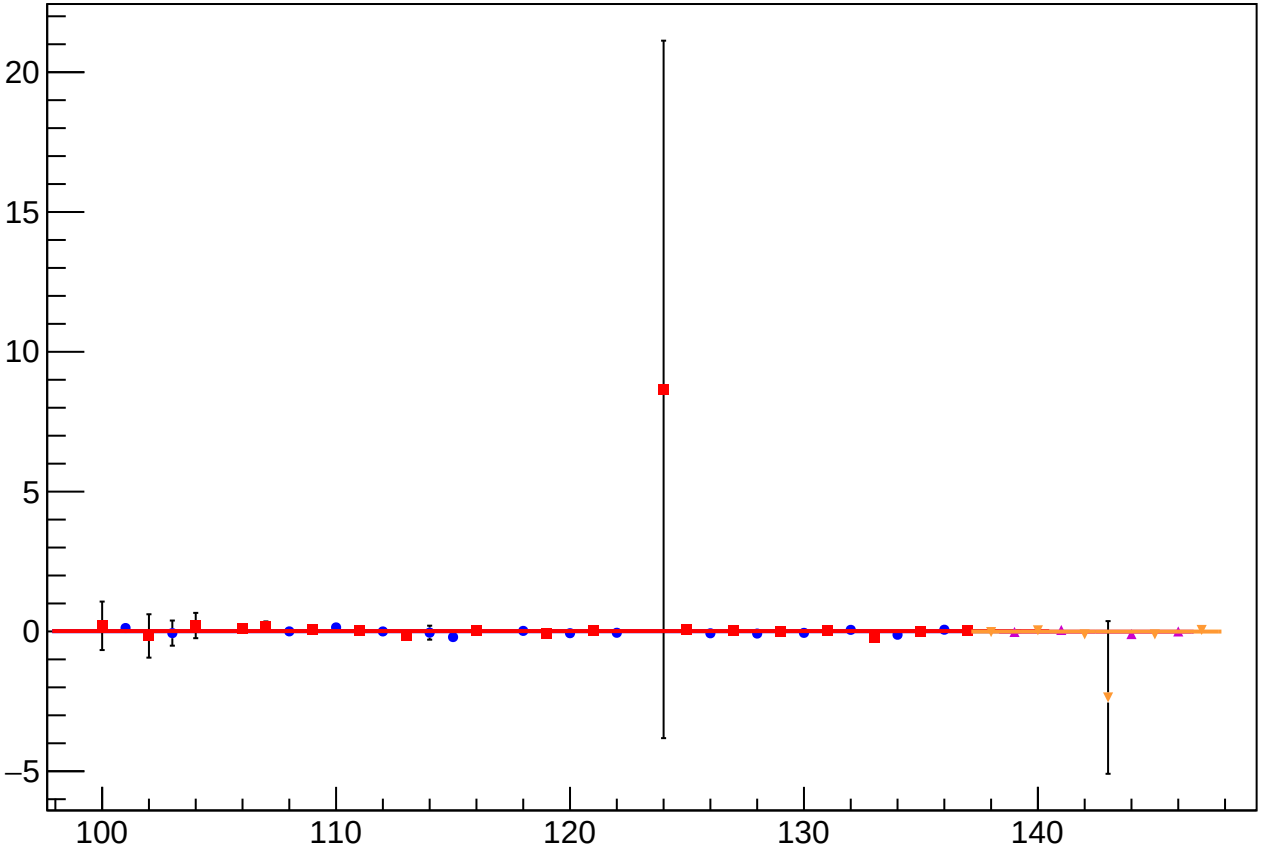
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:4992022.9/19

Out: 0.003+/-0.000 χ^2/NDF:5294515.6/24

All: 0.003+/-0.000 χ^2/NDF: 10291086.9/44

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.008+/-0.014 χ^2/NDF: 12.2/9

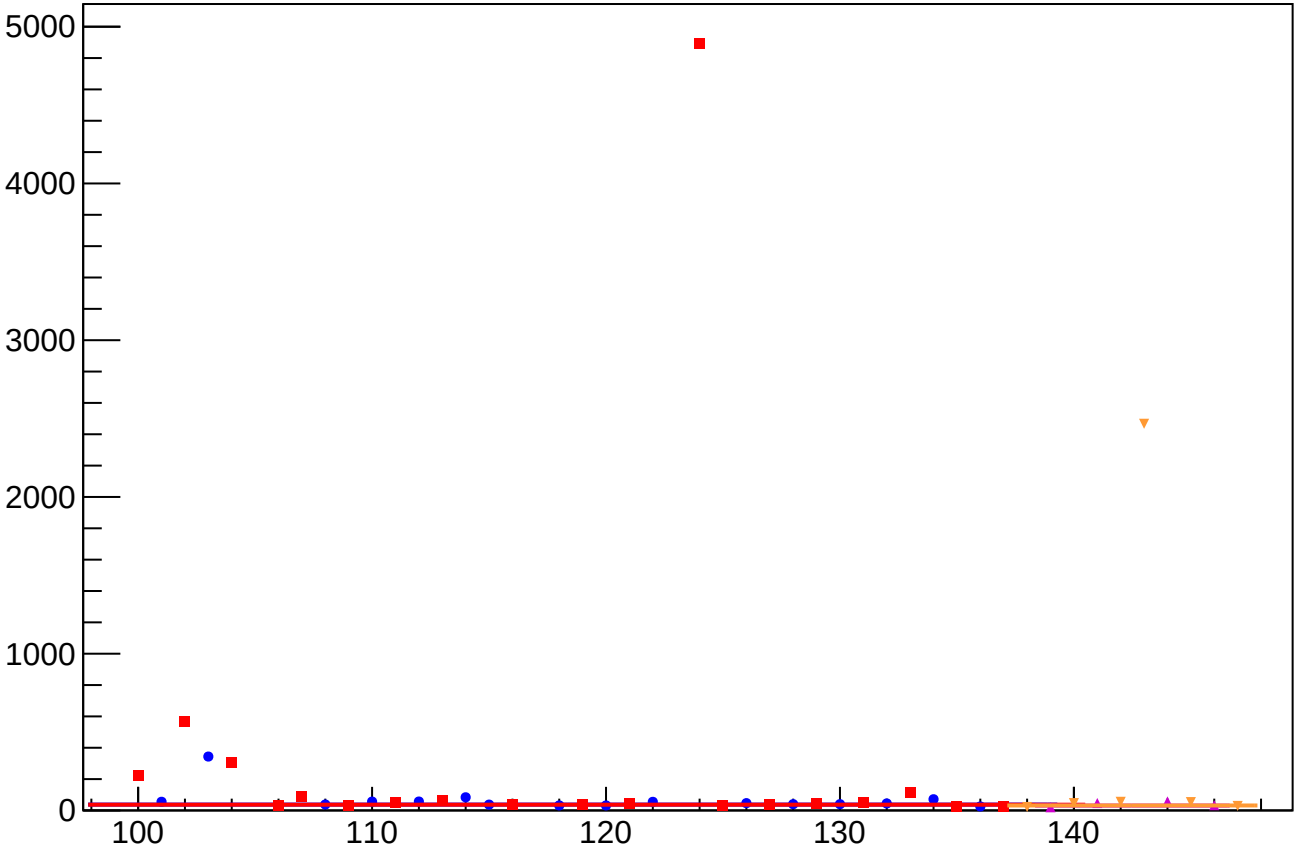
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.003+/-0.009 χ^2/NDF: 45.1/44

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: 31.779+/-0.013 χ^2/NDF:2394231.8/5

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

Left: 31.452+/-0.010 χ^2/NDF: 3265202.6/9

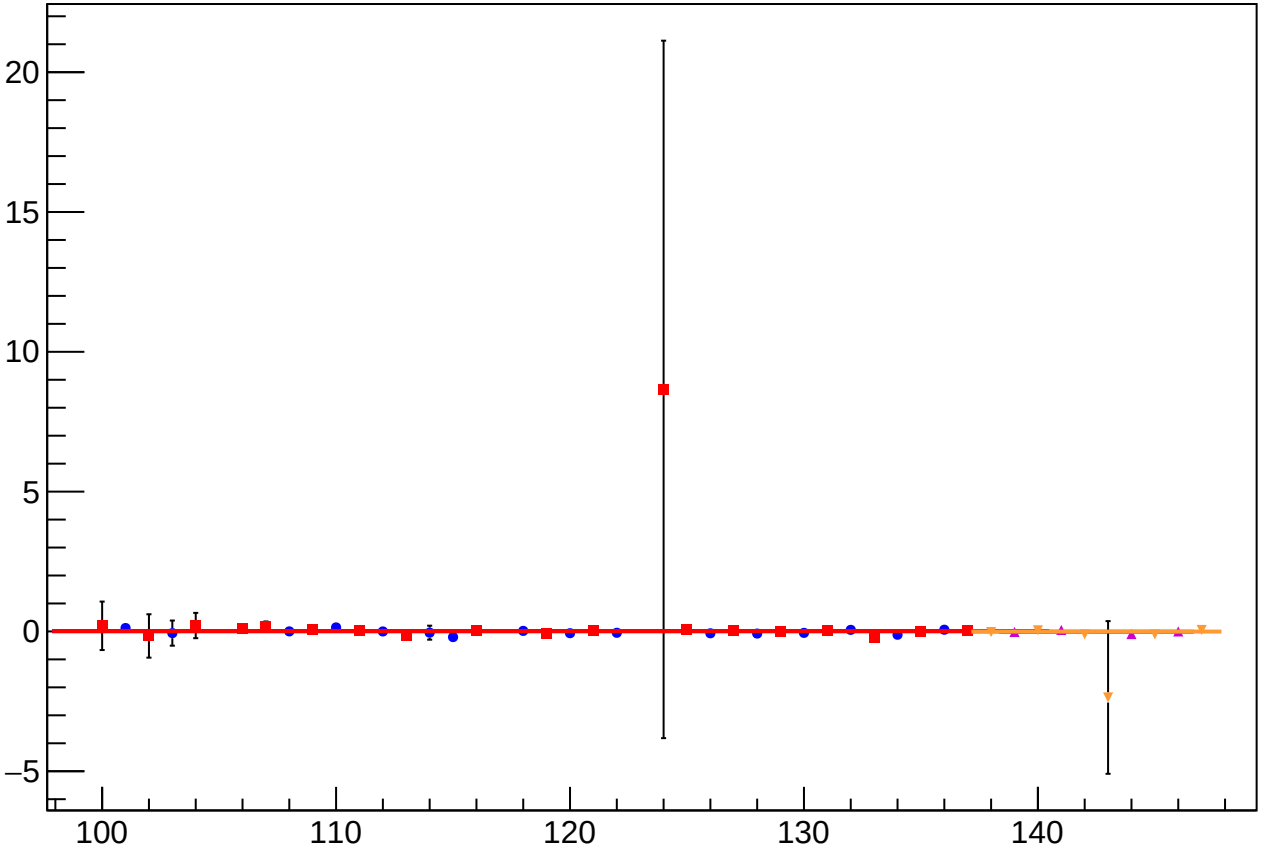
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.888+/-0.009 χ^2/NDF:2981757.5/19

Out: 34.585+/-0.009 χ^2/NDF:5663533.2/24

All: 34.738+/-0.006 χ^2/NDF: 8645884.9/44

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: -0.005+/-0.019 χ^2/NDF:8.8/5

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.011+/-0.019 χ^2/NDF:3.4/3

Left: -0.008+/-0.014 χ^2/NDF: 12.2/9

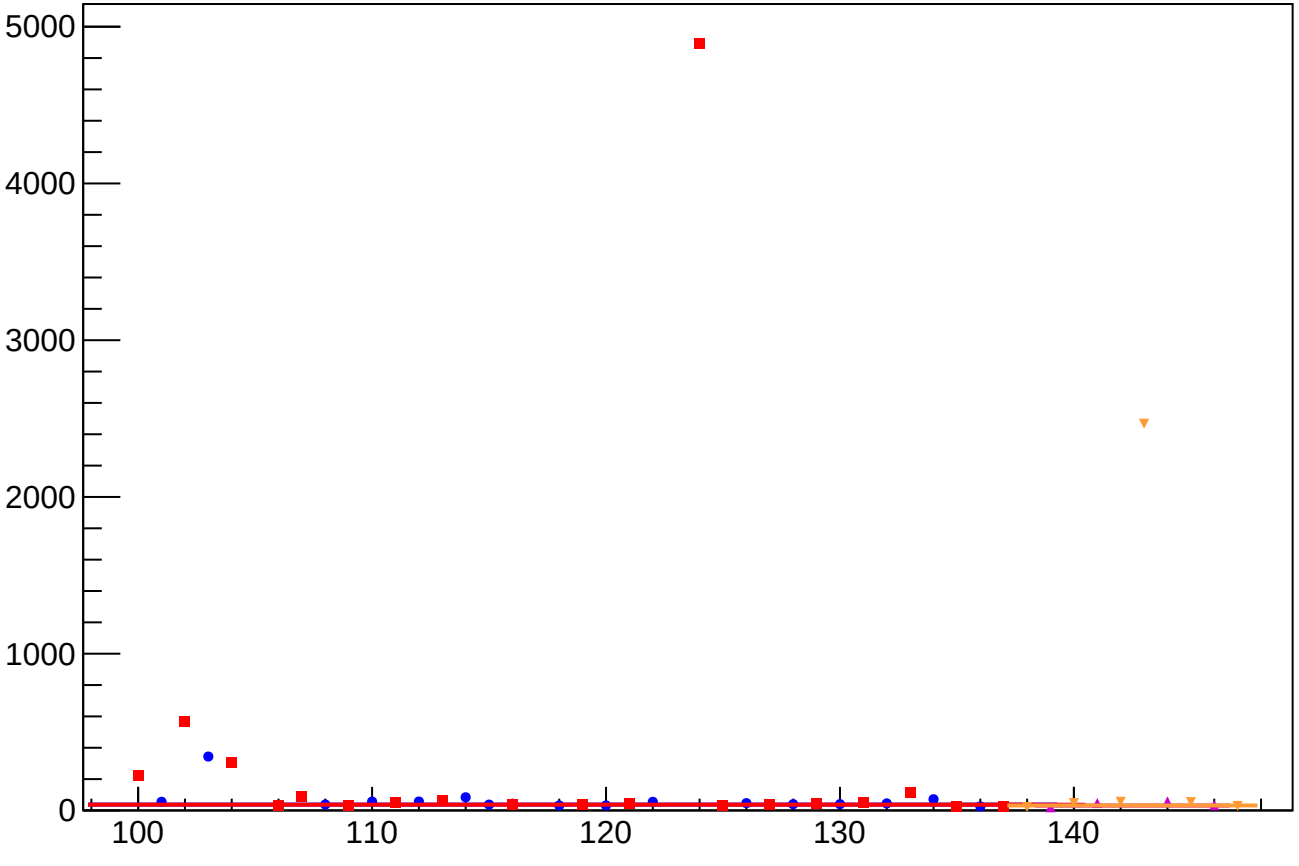
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: 0.000+/-0.012 χ^2/NDF:23.2/19

Out: 0.005+/-0.012 χ^2/NDF:21.8/24

All: 0.003+/-0.009 χ^2/NDF: 45.1/44

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: 31.779+/-0.013 χ^2/NDF:2394231.8/5

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 31.107+/-0.014 χ^2/NDF:869736.3/3

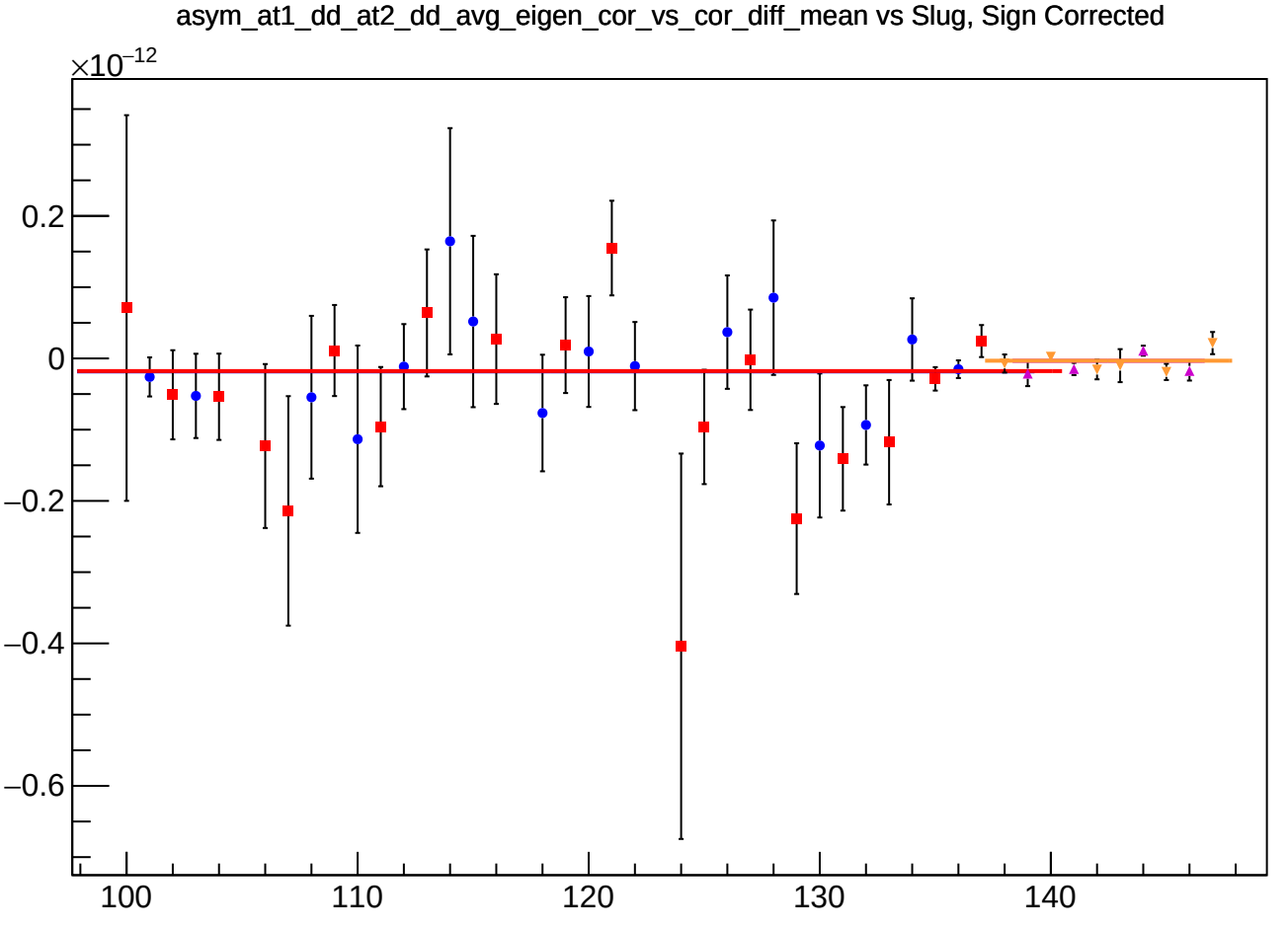
Left: 31.452+/-0.010 χ^2/NDF: 3265202.6/9

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.888+/-0.009 χ^2/NDF:2981757.5/19

Out: 34.585+/-0.009 χ^2/NDF:5663533.2/24

All: 34.738+/-0.006 χ^2/NDF: 8645884.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/3

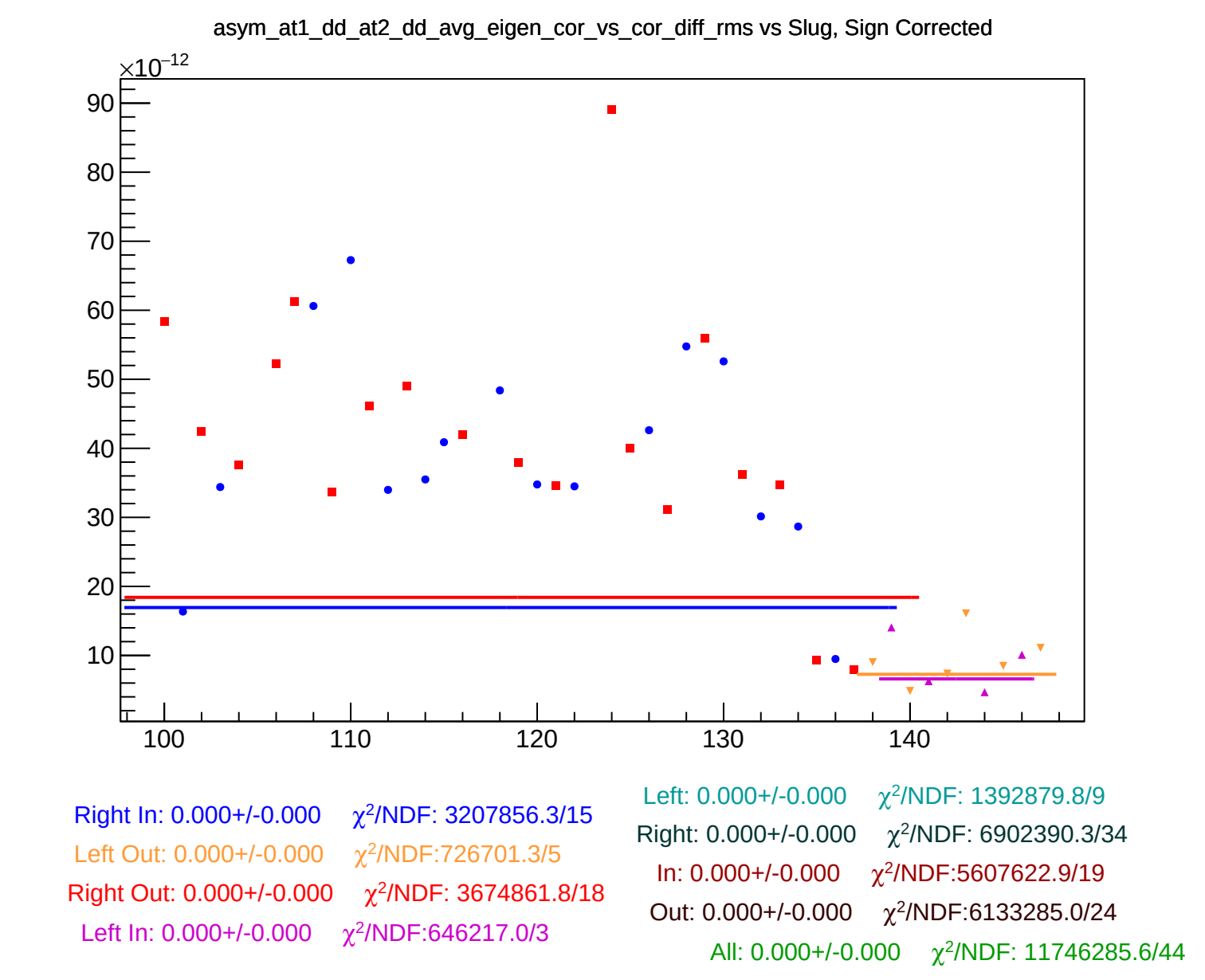
Left: -0.000+/-0.000 χ^2/NDF: 14.1/9

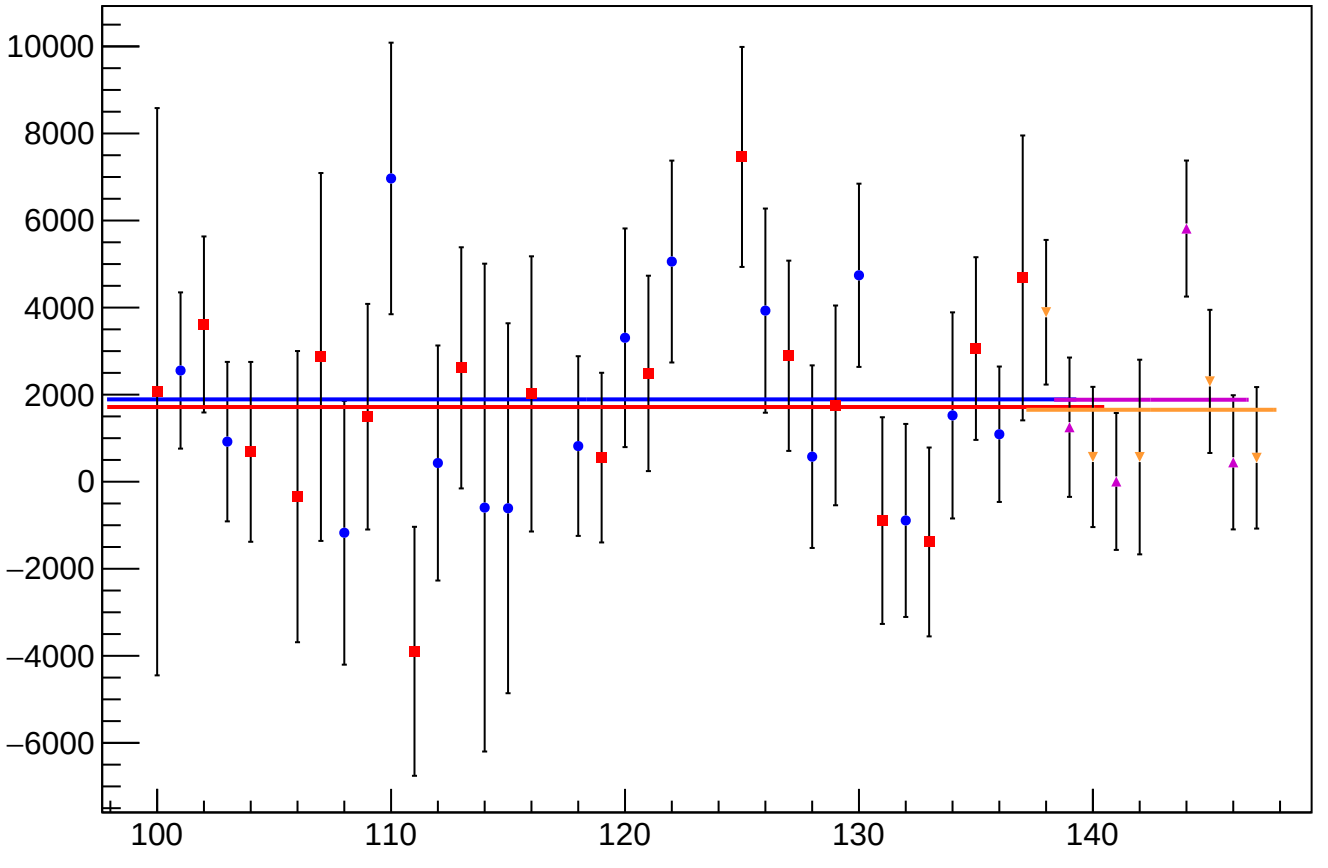
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:18.1/19

Out: -0.000+/-0.000 χ^2/NDF:34.9/24

All: -0.000+/-0.000 χ^2/NDF: 53.0/44


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
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:726701.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:646217.0/3
Left: 0.000+/-0.000 χ²/NDF: 1392879.8/9
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5607622.9/19
Out: 0.000+/-0.000 χ²/NDF:6133285.0/24
All: 0.000+/-0.000 χ²/NDF: 11746285.6/44



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1652.430+/-767.860 χ^2/NDF:3.1/4

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1882.979+/-784.400 χ^2/NDF:8.8/3

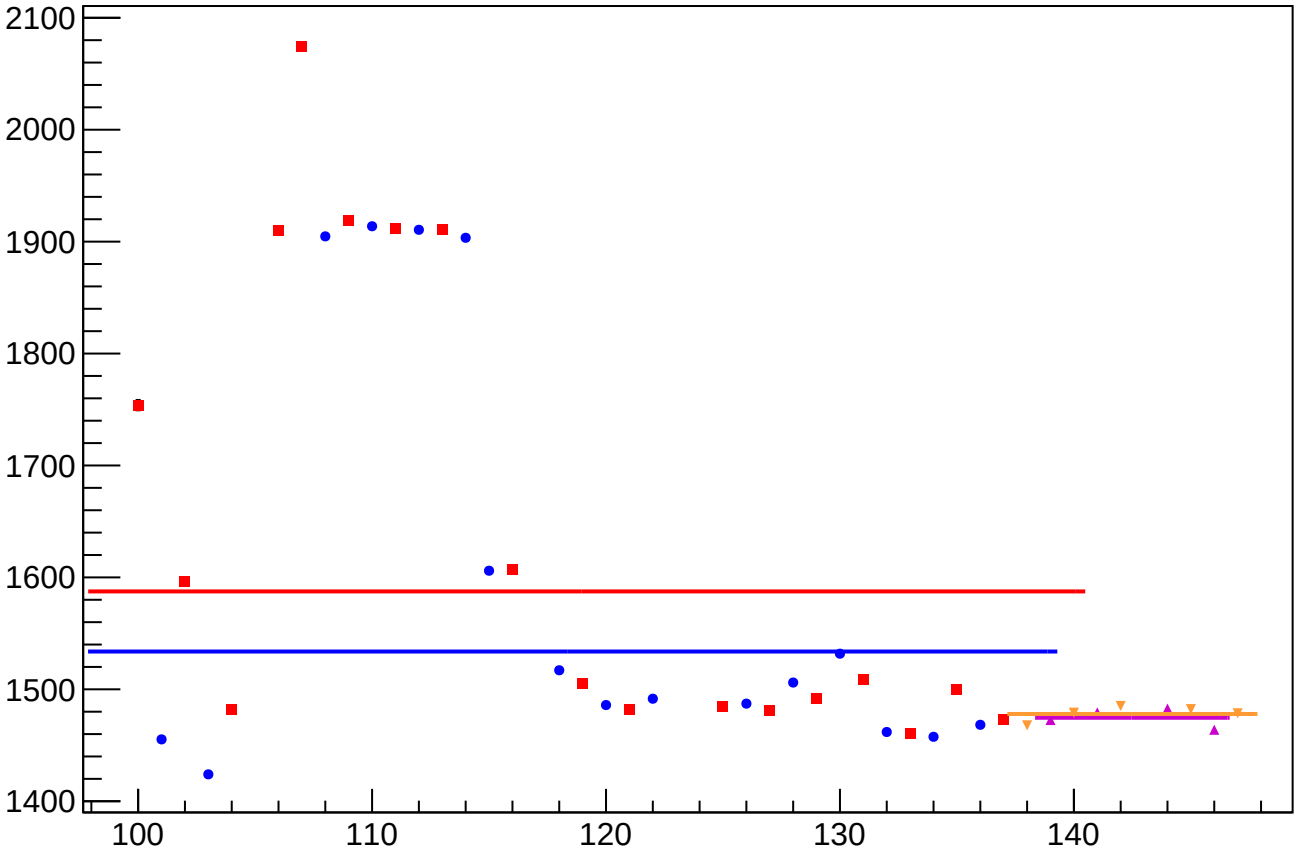
Left: 1765.248+/-548.713 χ^2/NDF: 12.0/8

Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1888.512+/-462.297 χ^2/NDF:21.0/19

Out: 1692.368+/-467.603 χ^2/NDF:19.1/22

All: 1791.559+/-328.753 χ^2/NDF: 40.2/42



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1477.967+/-0.543 χ^2/NDF:110.6/4

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

Left: 1476.313+/-0.388 χ^2/NDF: 302.5/8

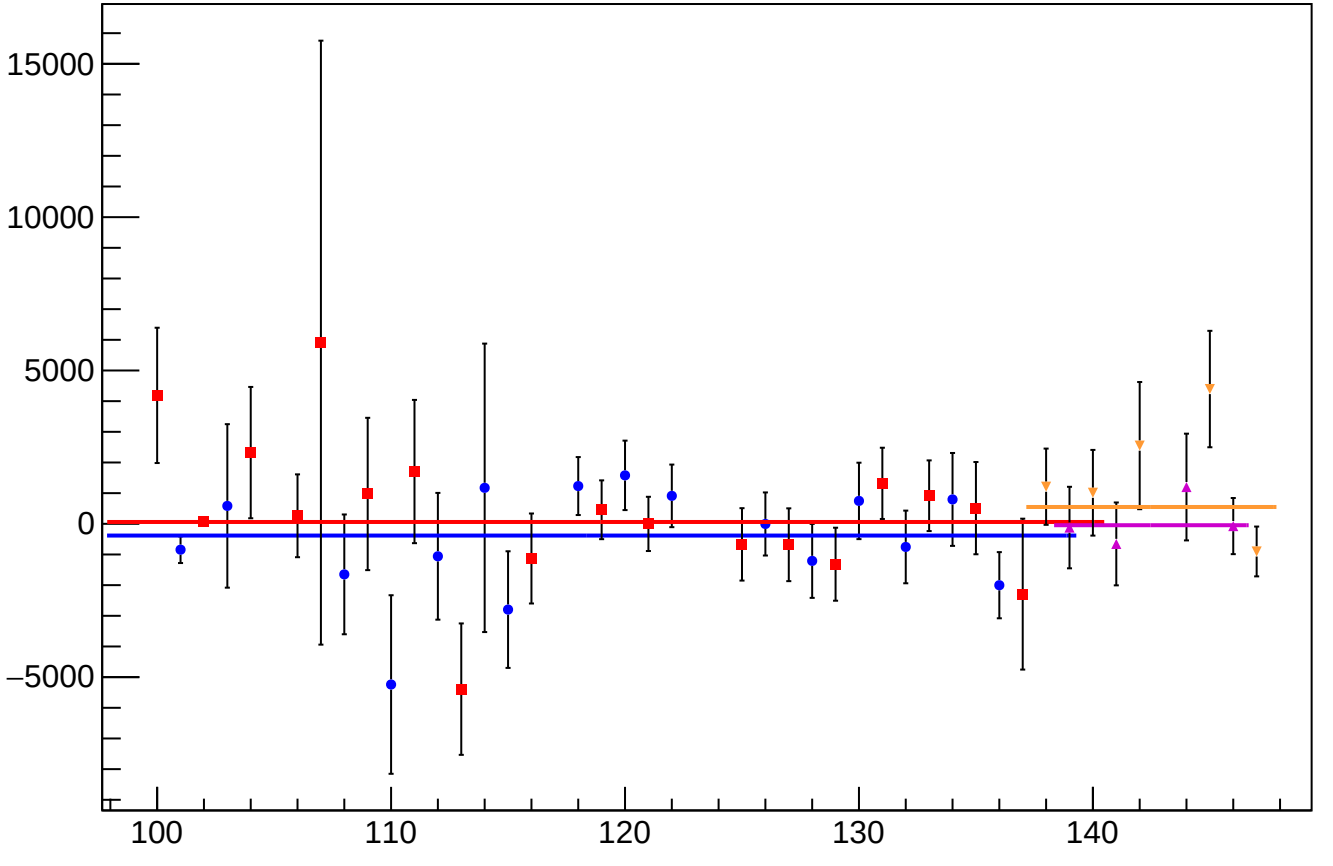
Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1513.213+/-0.327 χ^2/NDF:136875.4/19

Out: 1546.856+/-0.331 χ^2/NDF:197685.0/22

All: 1529.843+/-0.232 χ^2/NDF: 339795.9/42

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 548.673+/-560.308 χ^2/NDF:8.6/4

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: -45.604+/-615.732 χ^2/NDF:0.7/3

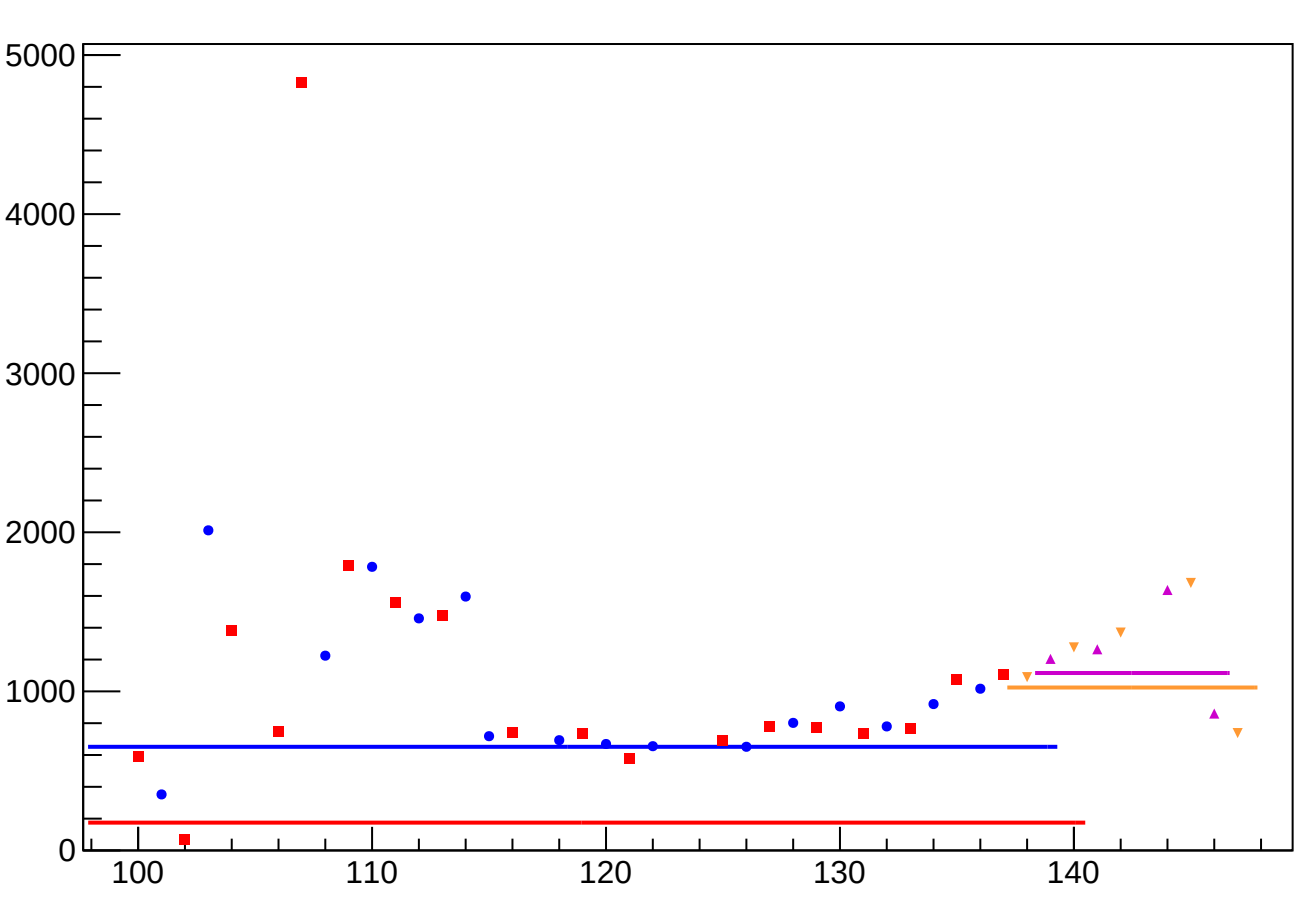
Left: 279.479+/-414.409 χ^2/NDF: 9.8/8

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -327.661+/-248.965 χ^2/NDF:19.2/19

Out: 84.102+/-124.508 χ^2/NDF:27.1/22

All: 1.722+/-111.359 χ^2/NDF: 48.5/42



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1024.246+/-0.396 χ^2/NDF:614654.7/4

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1115.453+/-0.435 χ^2/NDF:368370.5/3

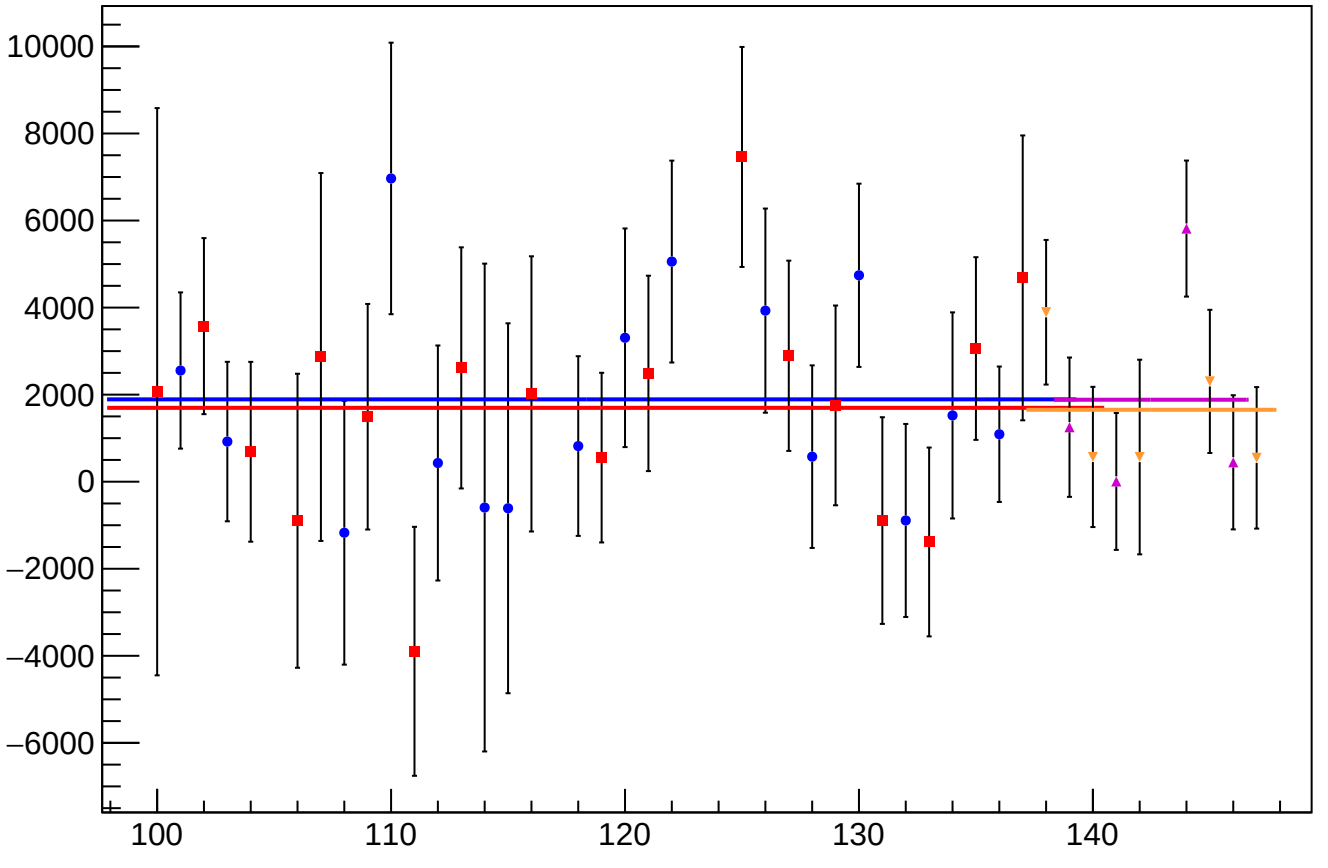
Left: 1065.560+/-0.293 χ^2/NDF: 1007030.6/8

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 727.371+/-0.176 χ^2/NDF:4080805.7/19

Out: 216.838+/-0.088 χ^2/NDF:14744614.4/22

All: 318.978+/-0.079 χ^2/NDF: 25552968.3/42



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1652.348+/-767.860 χ^2/NDF:3.1/4

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1883.041+/-784.400 χ^2/NDF:8.8/3

Left: 1765.237+/-548.713 χ^2/NDF: 12.0/8

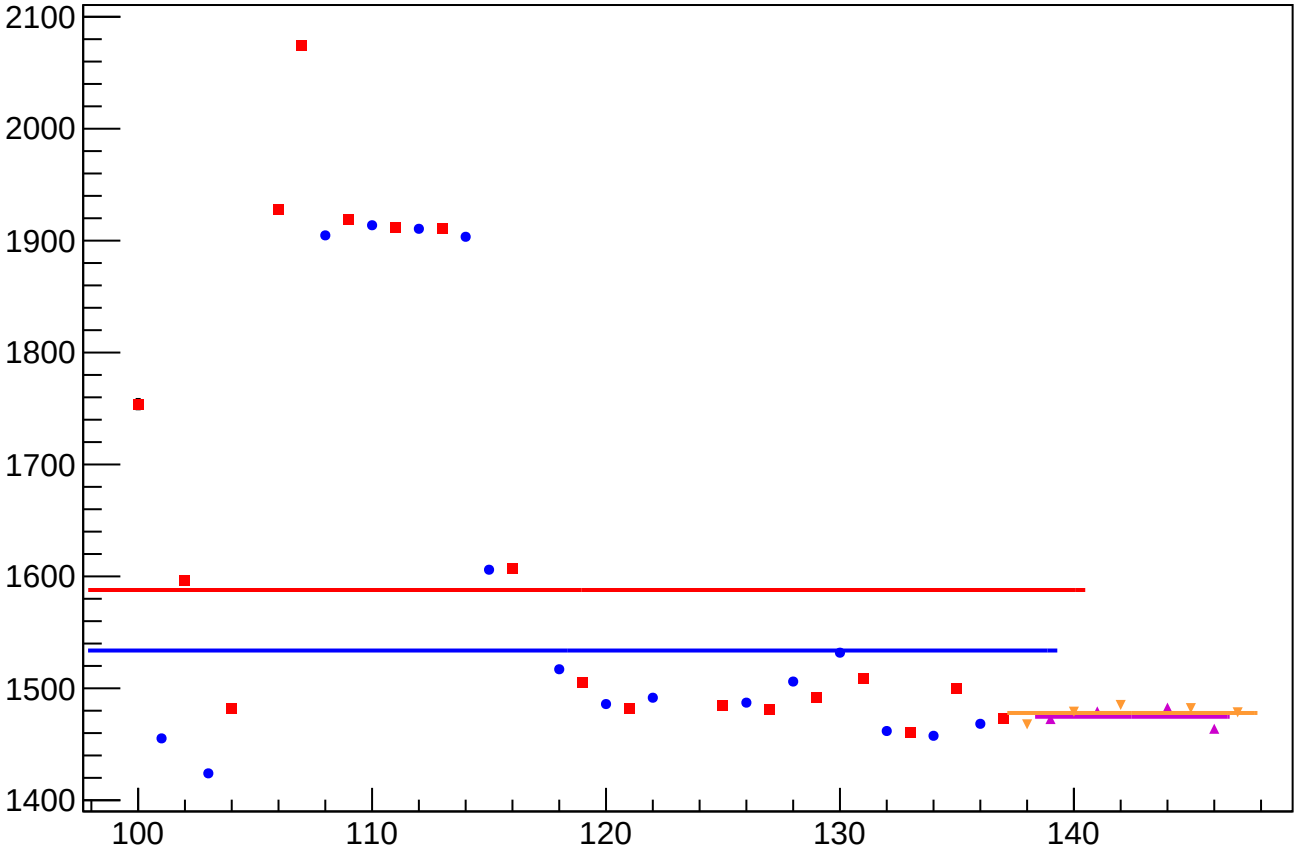
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1888.602+/-462.297 χ^2/NDF:21.0/19

Out: 1680.427+/-467.693 χ^2/NDF:19.3/22

All: 1785.722+/-328.785 χ^2/NDF: 40.4/42

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.967+/-0.543 χ^2/NDF:110.6/4

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

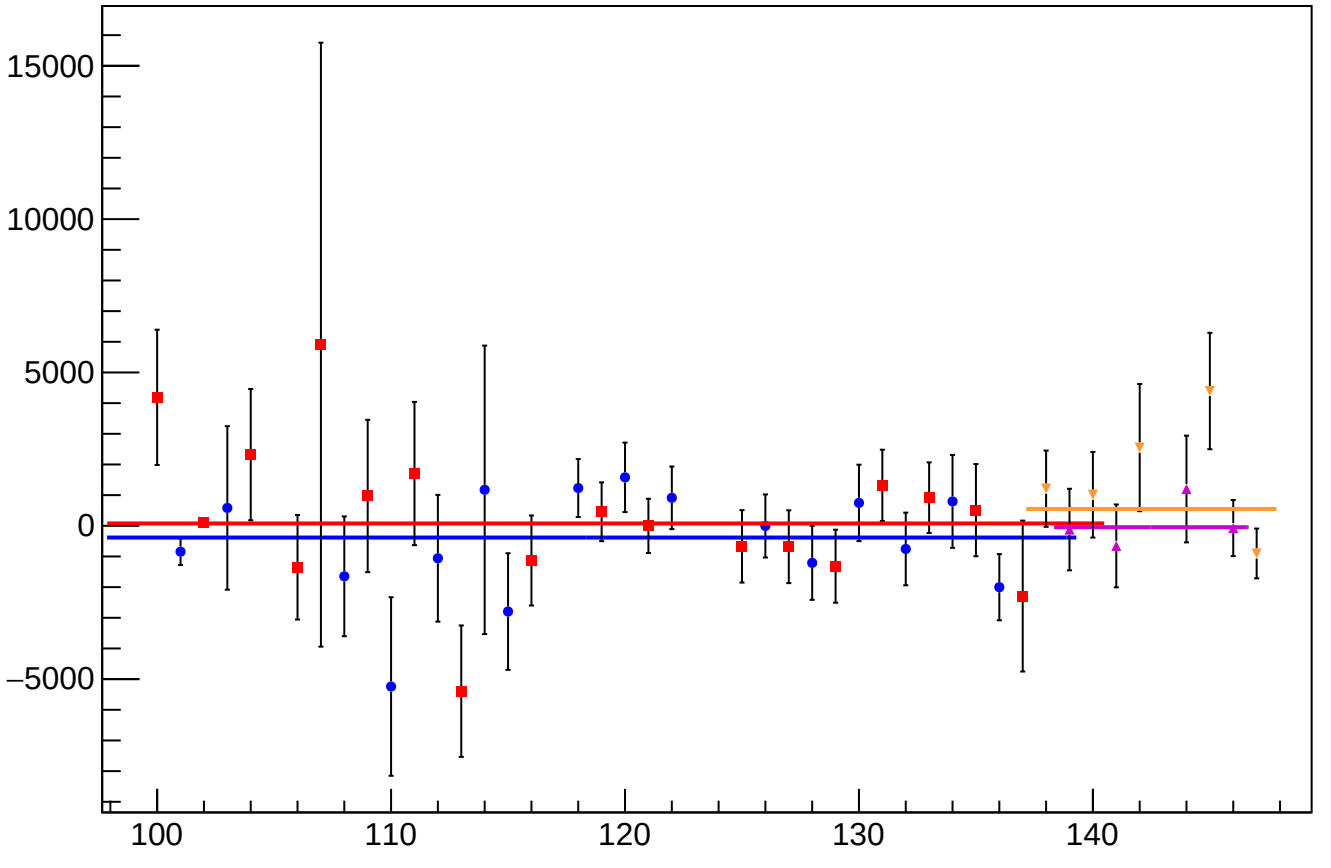
Left: 1476.313+/-0.388 χ^2/NDF: 302.5/8

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1513.213+/-0.327 χ^2/NDF:136875.3/19

Out: 1547.083+/-0.331 χ^2/NDF:199638.0/22

All: 1529.952+/-0.232 χ^2/NDF: 341818.5/42



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 548.569+/-560.314 χ^2/NDF:8.6/4

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -45.625+/-615.728 χ^2/NDF:0.7/3

Left: 279.408+/-414.411 χ^2/NDF: 9.8/8

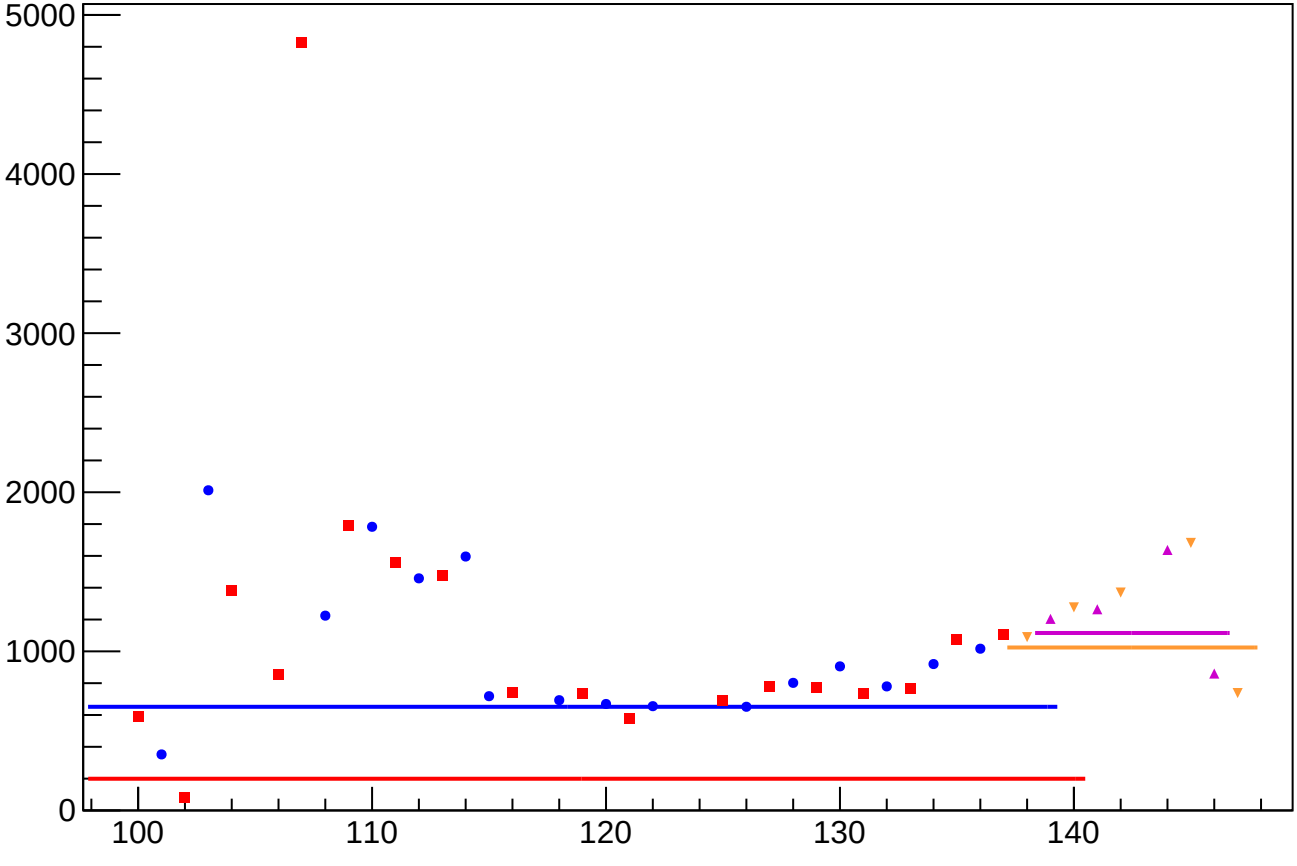
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -327.642+/-248.964 χ^2/NDF:19.2/19

Out: 103.788+/-134.121 χ^2/NDF:27.8/22

All: 6.744+/-118.077 χ^2/NDF: 49.3/42

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1024.262+/-0.396 χ^2/NDF:614618.1/4

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1115.444+/-0.435 χ^2/NDF:368390.9/3

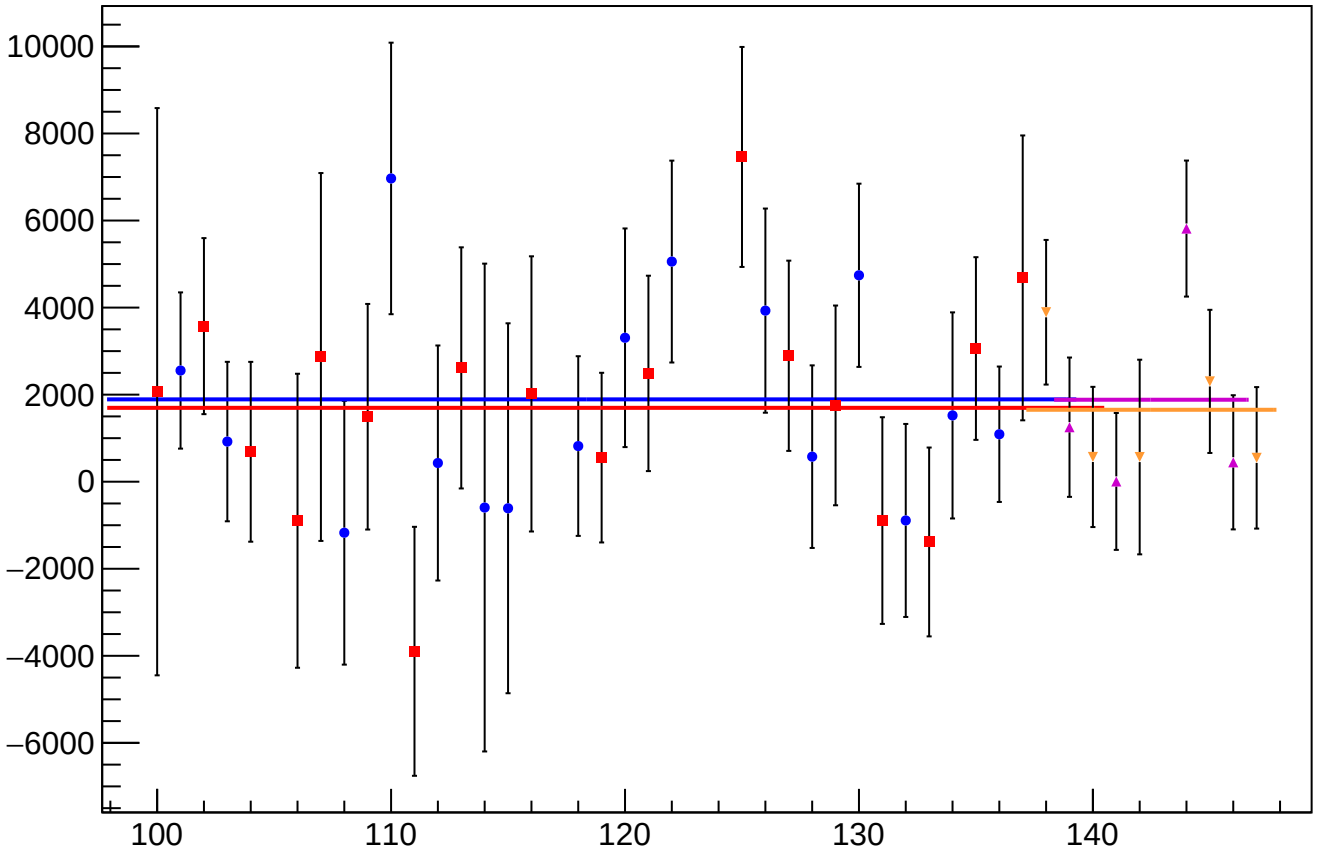
Left: 1065.566+/-0.293 χ^2/NDF: 1007001.3/8

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 727.369+/-0.176 χ^2/NDF:4080830.7/19

Out: 246.609+/-0.095 χ^2/NDF:13986018.1/22

All: 354.749+/-0.083 χ^2/NDF: 23847139.2/42



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1652.348+/-767.860 χ^2/NDF:3.1/4

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1883.041+/-784.400 χ^2/NDF:8.8/3

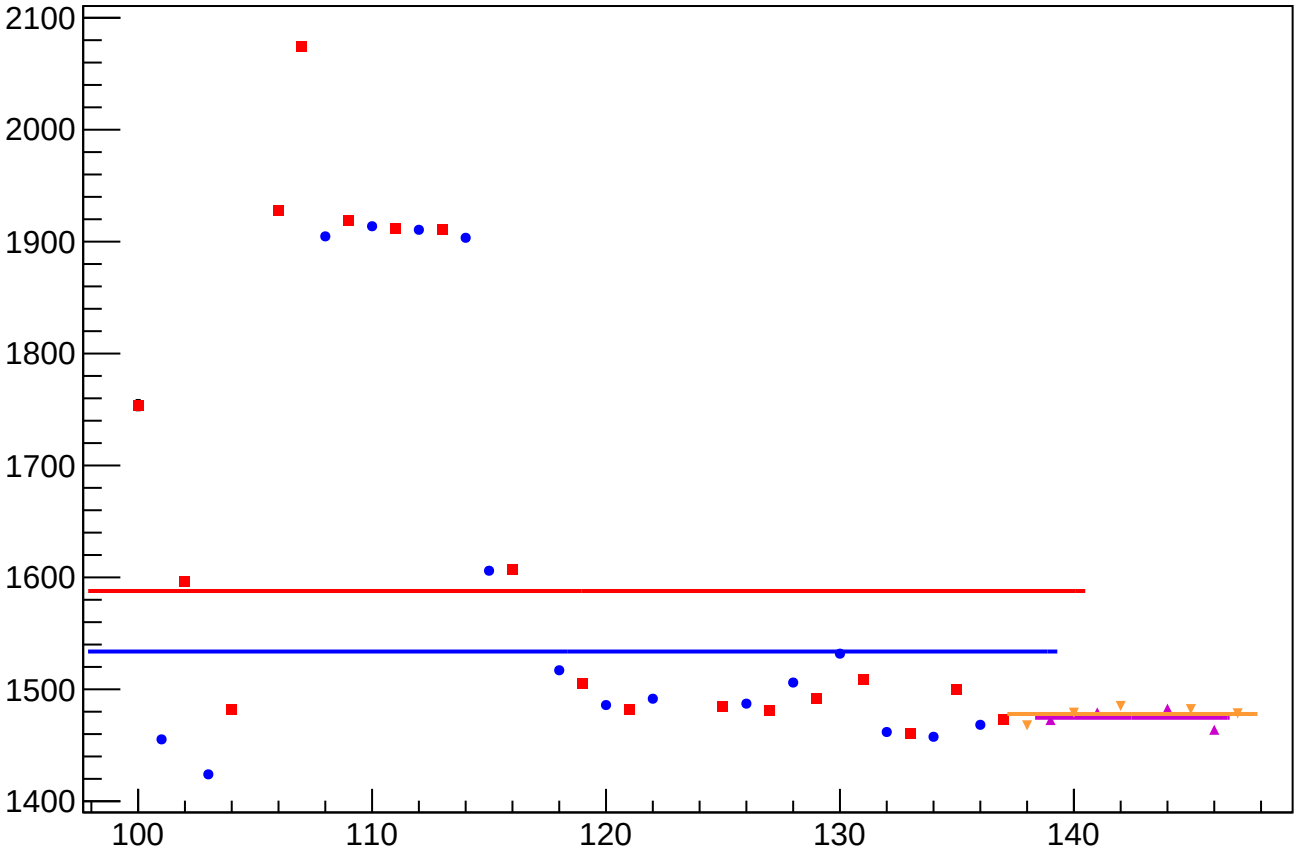
Left: 1765.237+/-548.713 χ^2/NDF: 12.0/8

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1888.602+/-462.297 χ^2/NDF:21.0/19

Out: 1680.427+/-467.693 χ^2/NDF:19.3/22

All: 1785.722+/-328.785 χ^2/NDF: 40.4/42



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1477.967+/-0.543 χ^2/NDF:110.6/4

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.587+/-0.555 χ^2/NDF:173.0/3

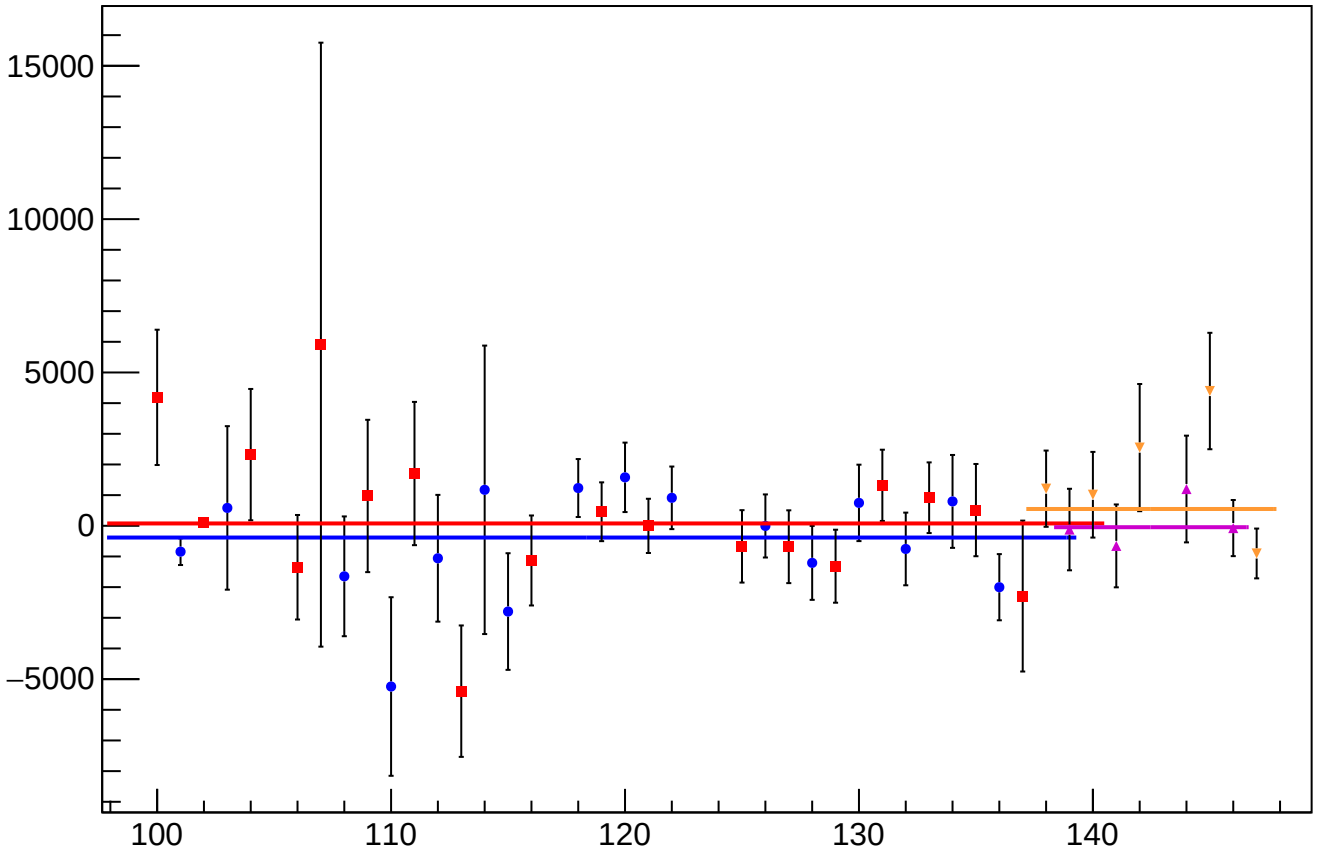
Left: 1476.313+/-0.388 χ^2/NDF: 302.5/8

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1513.213+/-0.327 χ^2/NDF:136875.3/19

Out: 1547.083+/-0.331 χ^2/NDF:199638.0/22

All: 1529.952+/-0.232 χ^2/NDF: 341818.5/42



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 548.569+/-560.314 χ^2/NDF:8.6/4

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: -45.625+/-615.728 χ^2/NDF:0.7/3

Left: 279.408+/-414.411 χ^2/NDF: 9.8/8

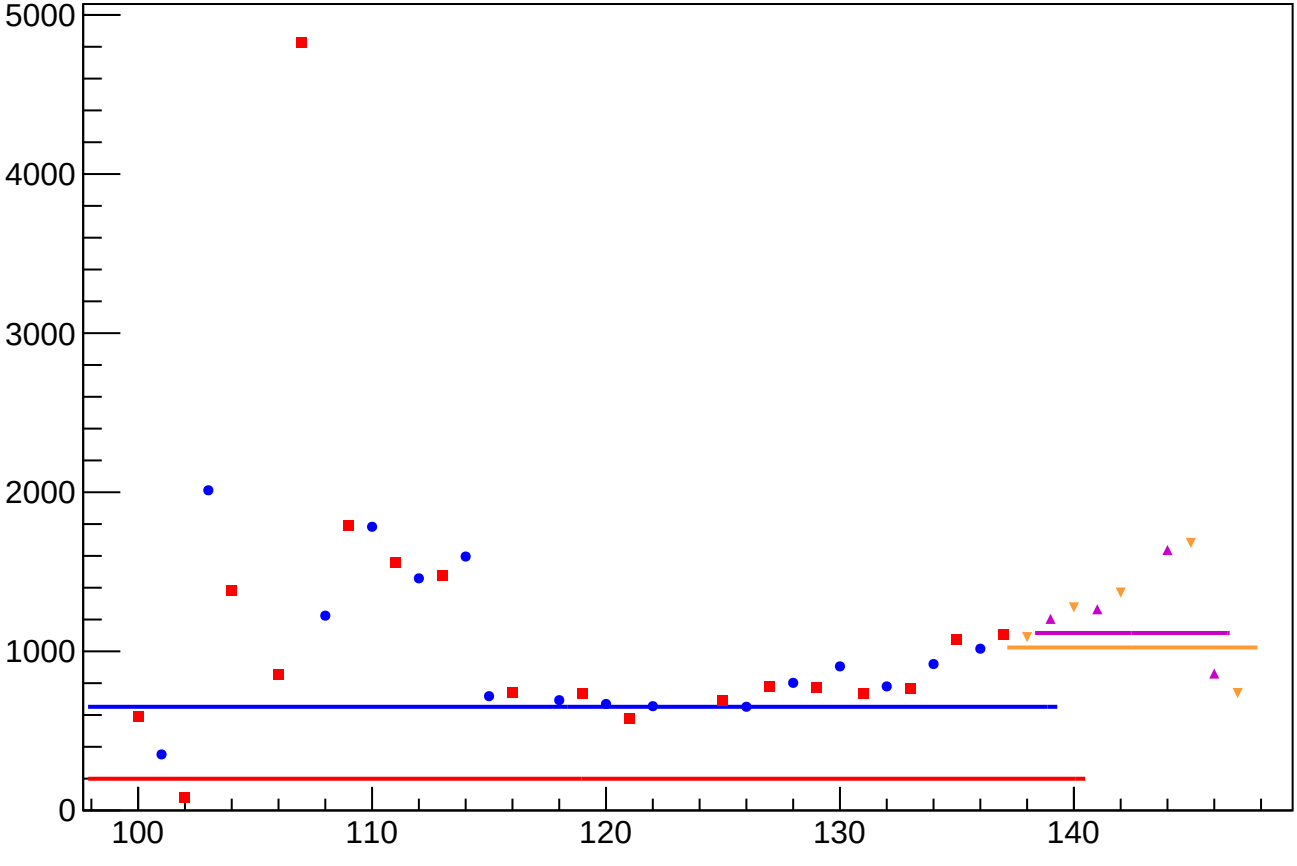
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -327.642+/-248.964 χ^2/NDF:19.2/19

Out: 103.788+/-134.121 χ^2/NDF:27.8/22

All: 6.744+/-118.077 χ^2/NDF: 49.3/42

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: 1024.262+/-0.396 χ^2/NDF:614618.1/4

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1115.444+/-0.435 χ^2/NDF:368390.9/3

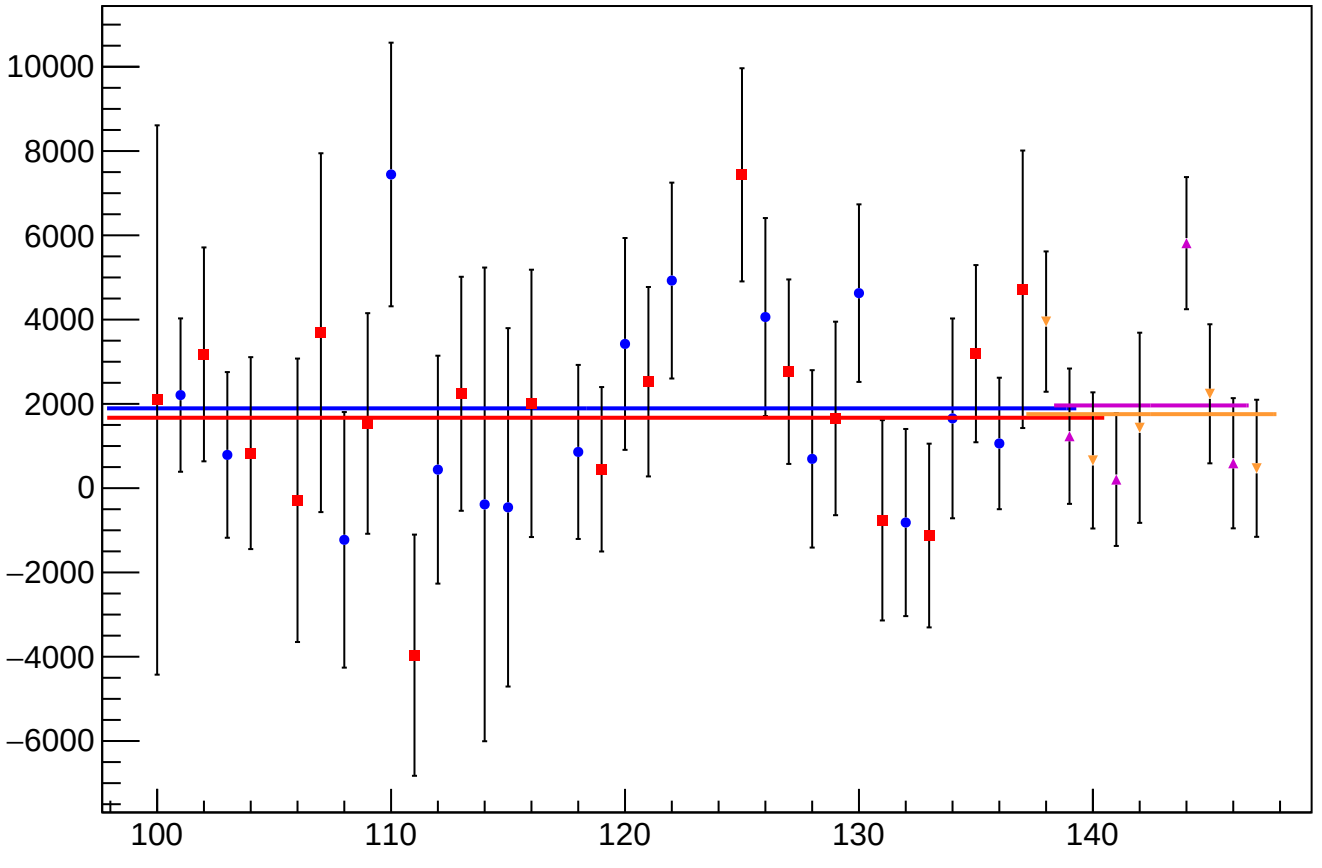
Left: 1065.566+/-0.293 χ^2/NDF: 1007001.3/8

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 727.369+/-0.176 χ^2/NDF:4080830.7/19

Out: 246.609+/-0.095 χ^2/NDF:13986018.1/22

All: 354.749+/-0.083 χ^2/NDF: 23847139.2/42



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1756.196+/-770.267 χ^2/NDF:2.9/4

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1963.026+/-786.487 χ^2/NDF:8.3/3

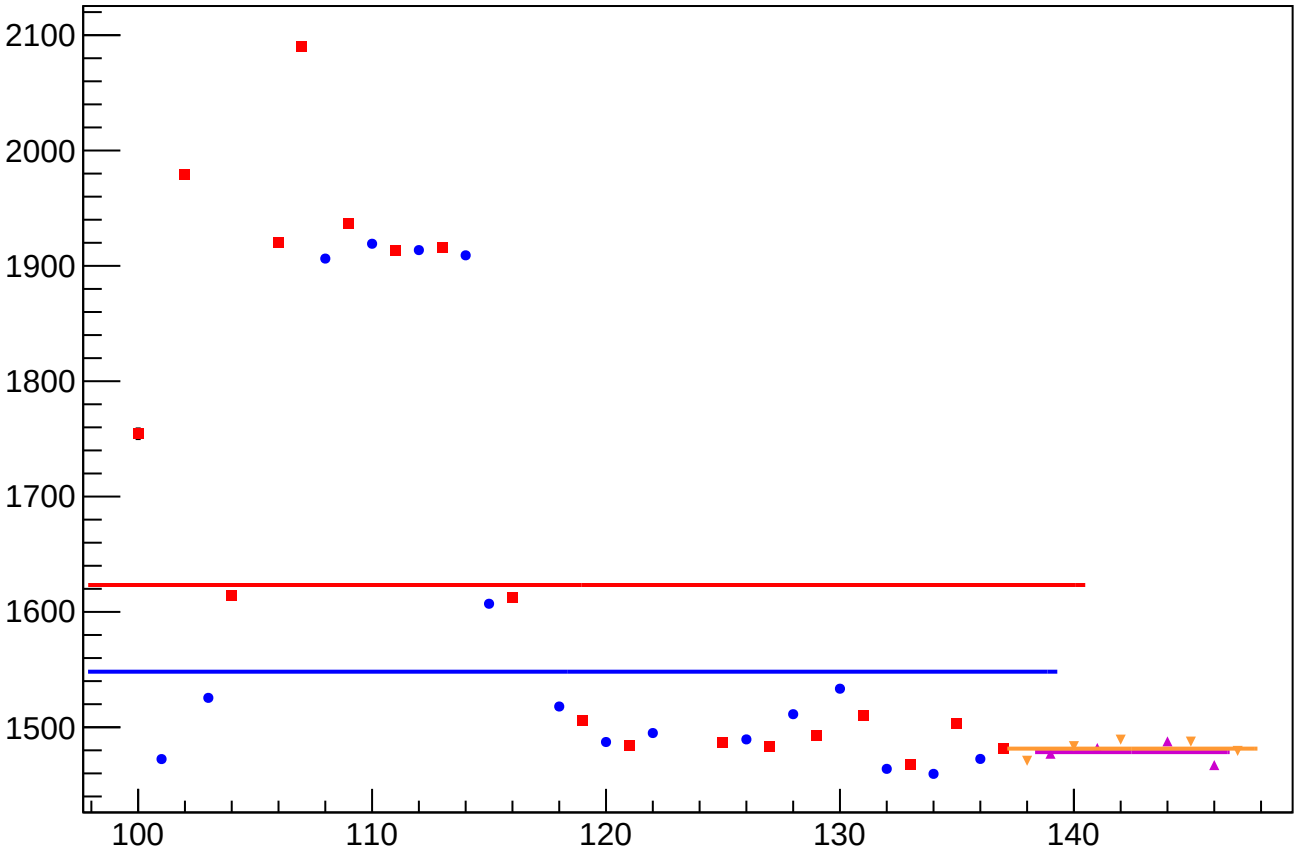
Left: 1857.456+/-550.306 χ^2/NDF: 11.2/8

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1918.298+/-465.557 χ^2/NDF:20.6/19

Out: 1703.454+/-475.707 χ^2/NDF:18.0/22

All: 1813.192+/-332.729 χ^2/NDF: 38.6/42



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1481.480+/-0.545 χ^2/NDF:137.2/4

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1478.443+/-0.556 χ^2/NDF:187.7/3

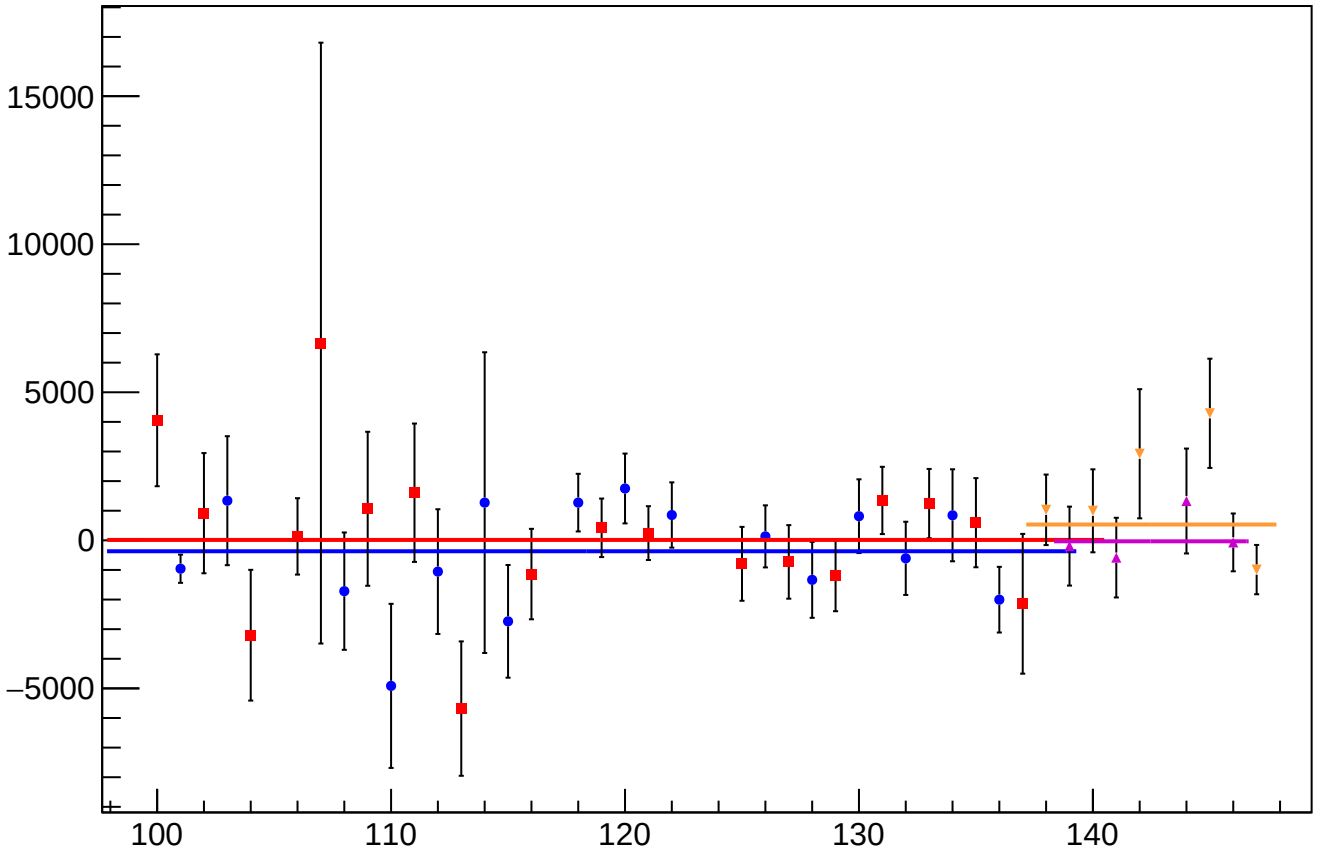
Left: 1479.993+/-0.389 χ^2/NDF: 340.2/8

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1523.740+/-0.329 χ^2/NDF:130305.8/19

Out: 1569.227+/-0.336 χ^2/NDF:253628.9/22

All: 1545.993+/-0.235 χ^2/NDF: 393274.7/42



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 533.741+/-562.562 χ^2/NDF:9.0/4

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: -32.947+/-634.579 χ^2/NDF:0.8/3

Left: 284.364+/-420.961 χ^2/NDF: 10.2/8

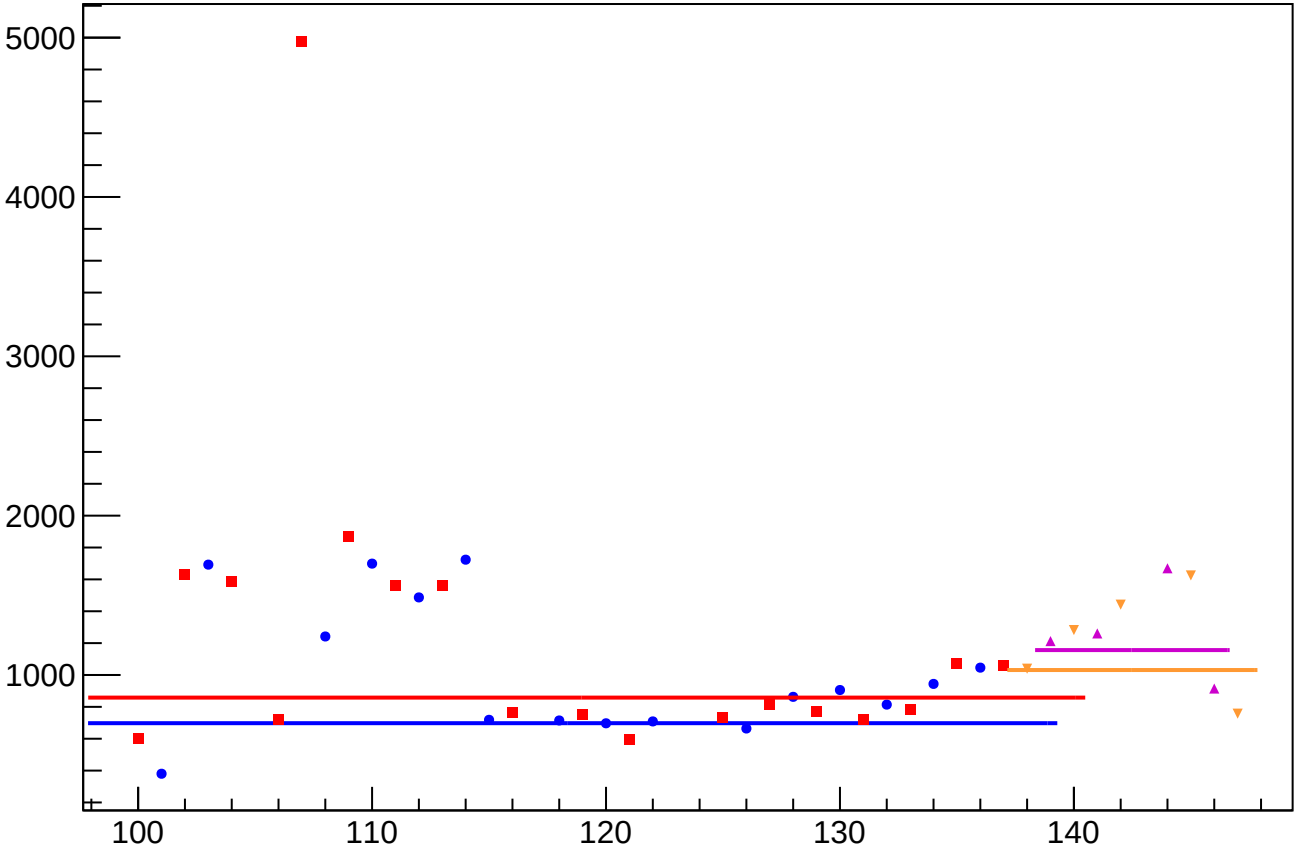
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -311.832+/-261.179 χ^2/NDF:19.9/19

Out: 153.796+/-291.966 χ^2/NDF:28.7/22

All: -104.854+/-194.659 χ^2/NDF: 50.0/42

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: 1031.108+/-0.398 χ^2/NDF:558343.8/4

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1156.302+/-0.449 χ^2/NDF:305892.1/3

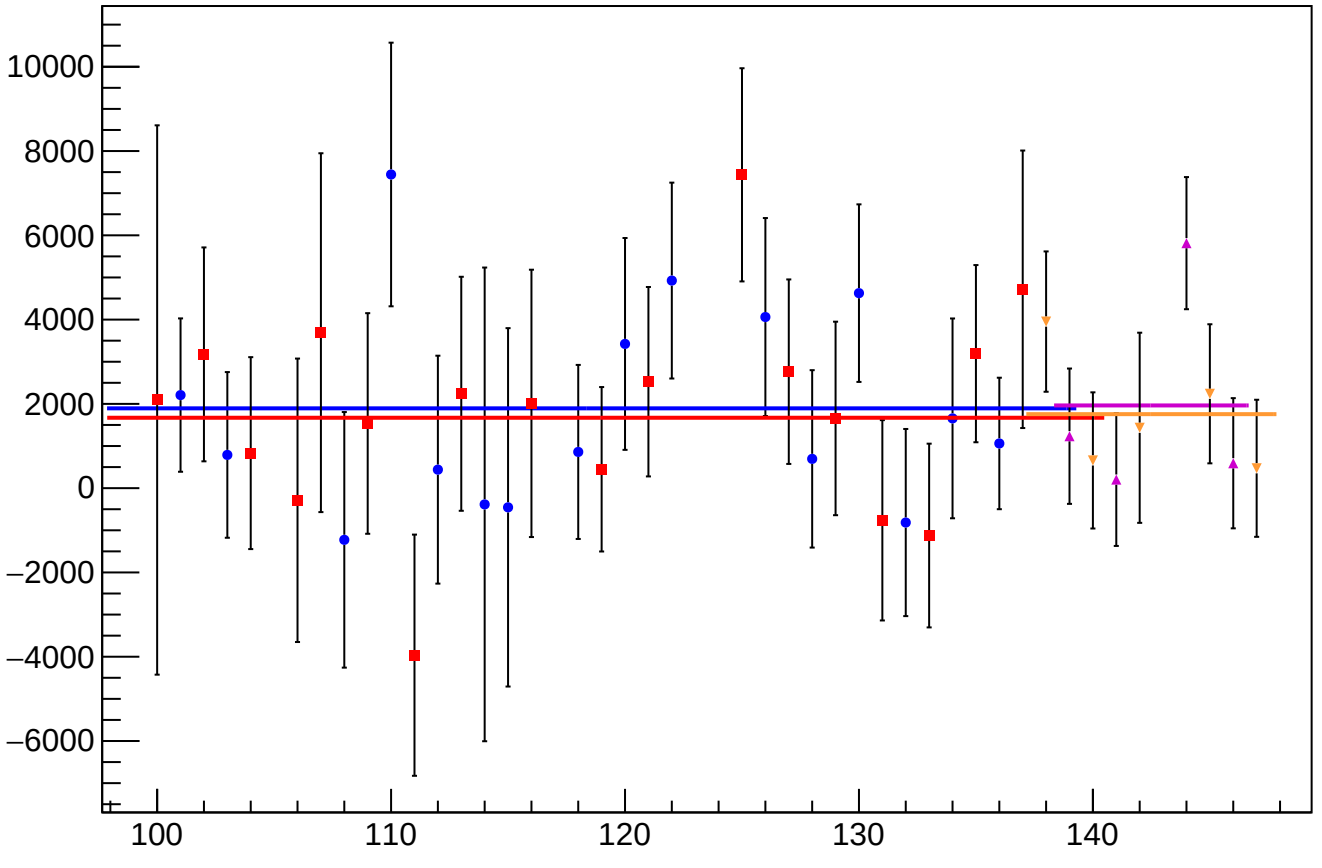
Left: 1086.201+/-0.298 χ^2/NDF: 907824.1/8

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 775.233+/-0.185 χ^2/NDF:3609799.2/19

Out: 904.697+/-0.206 χ^2/NDF:2578722.4/22

All: 832.782+/-0.138 χ^2/NDF: 6406963.5/42



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1756.198+/-770.267 χ^2/NDF:2.9/4

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1963.026+/-786.487 χ^2/NDF:8.3/3

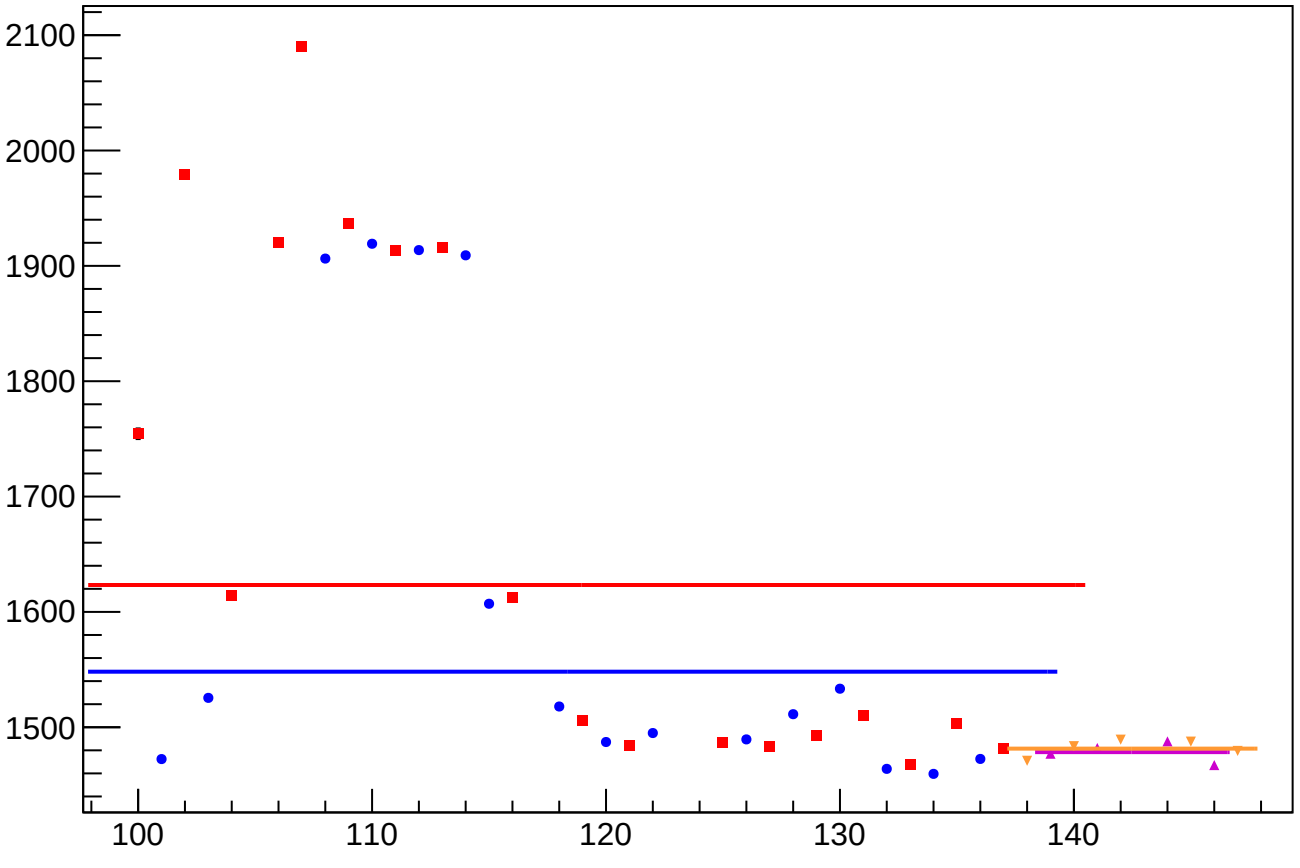
Left: 1857.457+/-550.306 χ^2/NDF: 11.2/8

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1918.296+/-465.557 χ^2/NDF:20.6/19

Out: 1703.453+/-475.707 χ^2/NDF:18.0/22

All: 1813.191+/-332.729 χ^2/NDF: 38.6/42



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1481.480+/-0.545 χ^2/NDF:137.2/4

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1478.443+/-0.556 χ^2/NDF:187.7/3

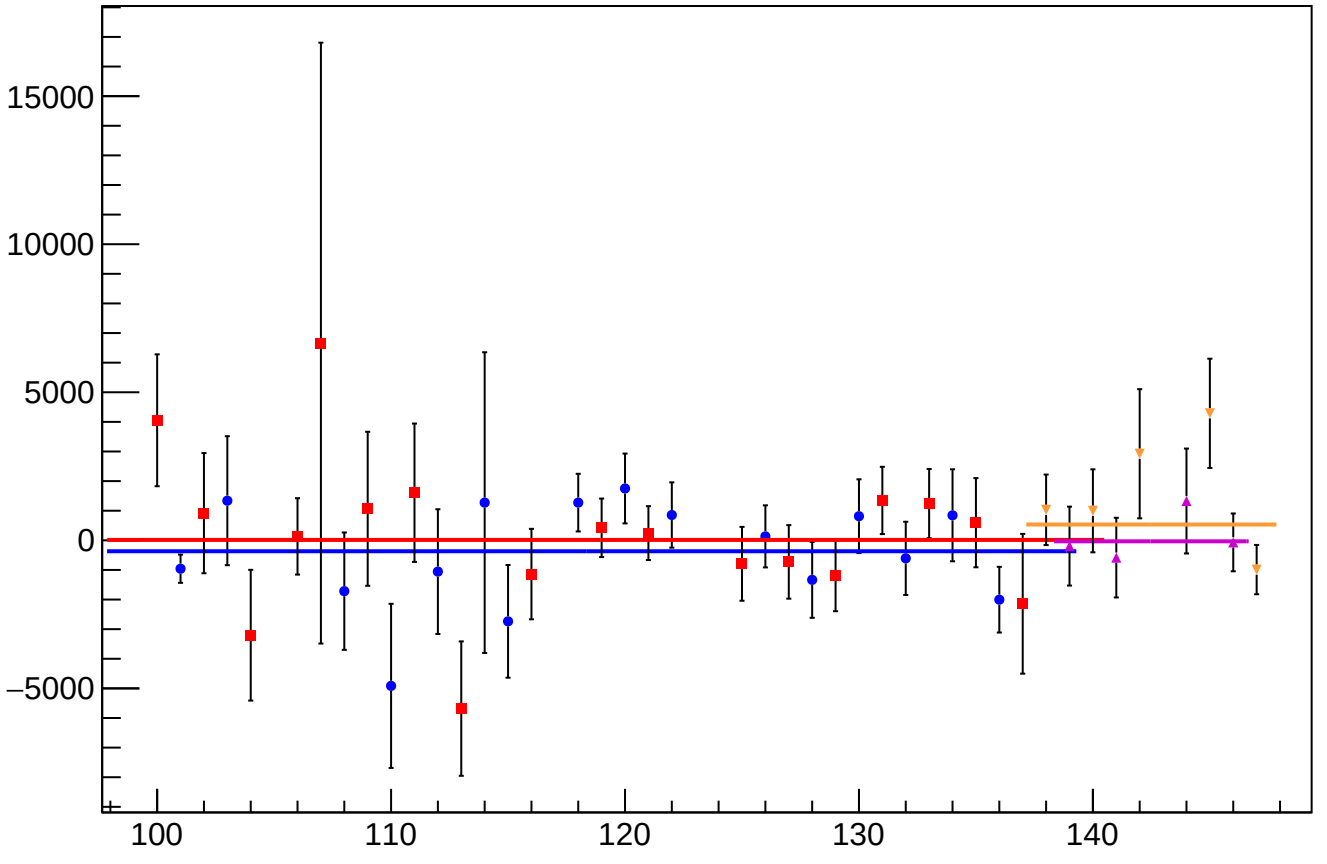
Left: 1479.993+/-0.389 χ^2/NDF: 340.2/8

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1523.740+/-0.329 χ^2/NDF:130305.8/19

Out: 1569.227+/-0.336 χ^2/NDF:253628.6/22

All: 1545.993+/-0.235 χ^2/NDF: 393274.4/42



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 533.739+/-562.563 χ^2/NDF:9.0/4

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: -32.948+/-634.579 χ^2/NDF:0.8/3

Left: 284.363+/-420.961 χ^2/NDF: 10.2/8

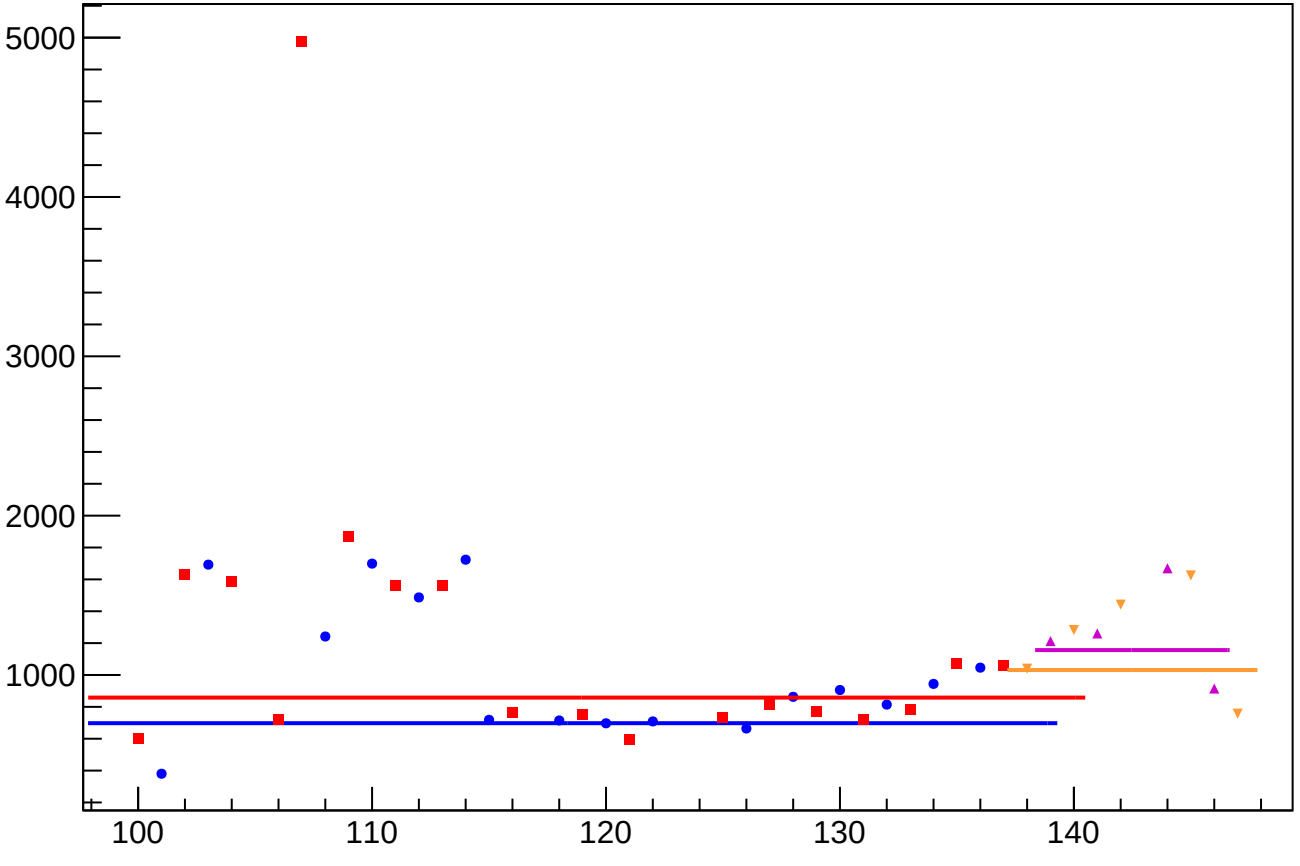
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -311.831+/-261.179 χ^2/NDF:19.9/19

Out: 153.796+/-291.966 χ^2/NDF:28.7/22

All: -104.853+/-194.659 χ^2/NDF: 50.0/42

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: 1031.110+/-0.398 χ^2/NDF:558343.2/4

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1156.304+/-0.449 χ^2/NDF:305891.8/3

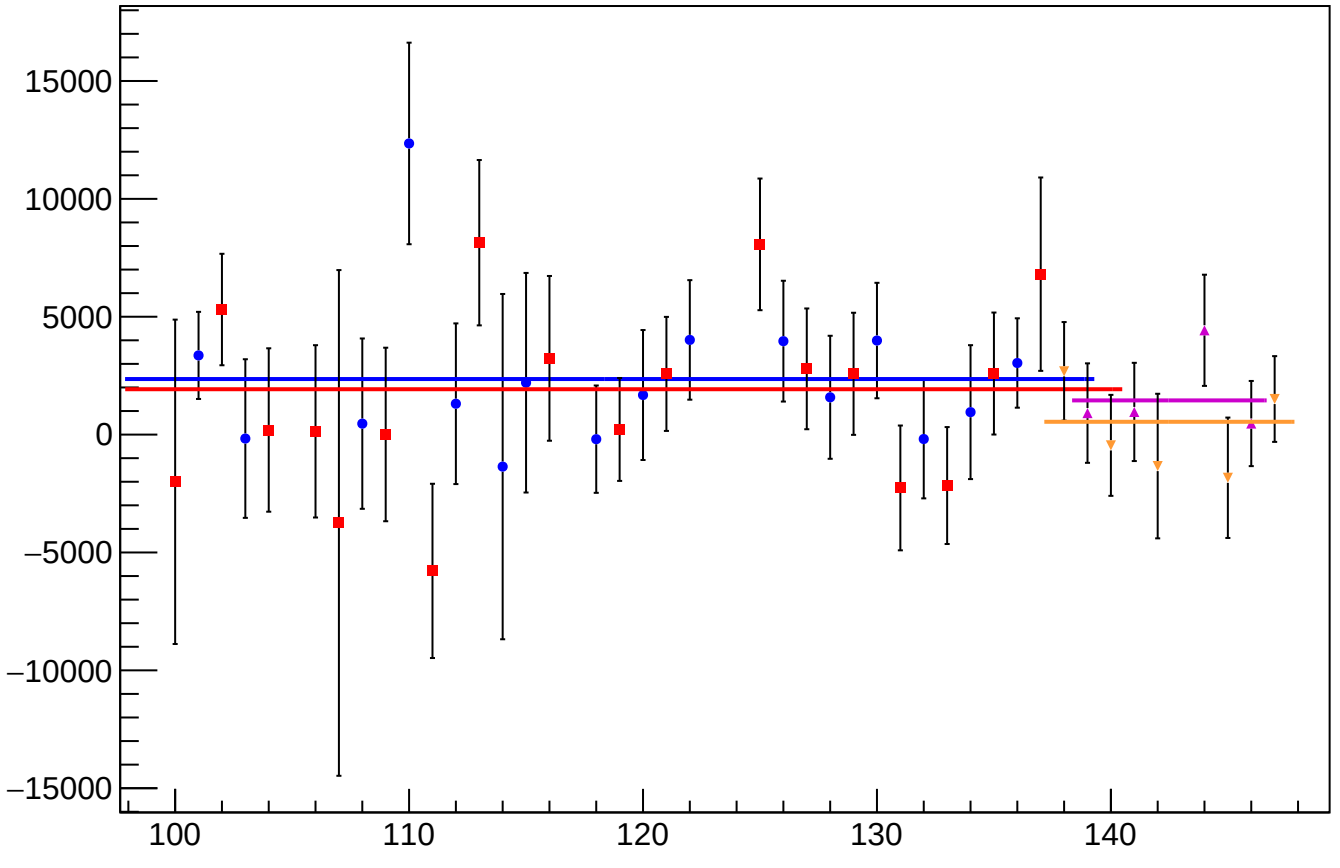
Left: 1086.203+/-0.298 χ^2/NDF: 907823.1/8

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 775.233+/-0.185 χ^2/NDF:3609796.0/19

Out: 904.696+/-0.206 χ^2/NDF:2578736.4/22

All: 832.781+/-0.138 χ^2/NDF: 6406970.8/42



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 543.610+/-995.607 χ^2/NDF:2.8/4

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1450.881+/-1030.751 χ^2/NDF:2.0/3

Left: 981.515+/-716.103 χ^2/NDF: 5.2/8

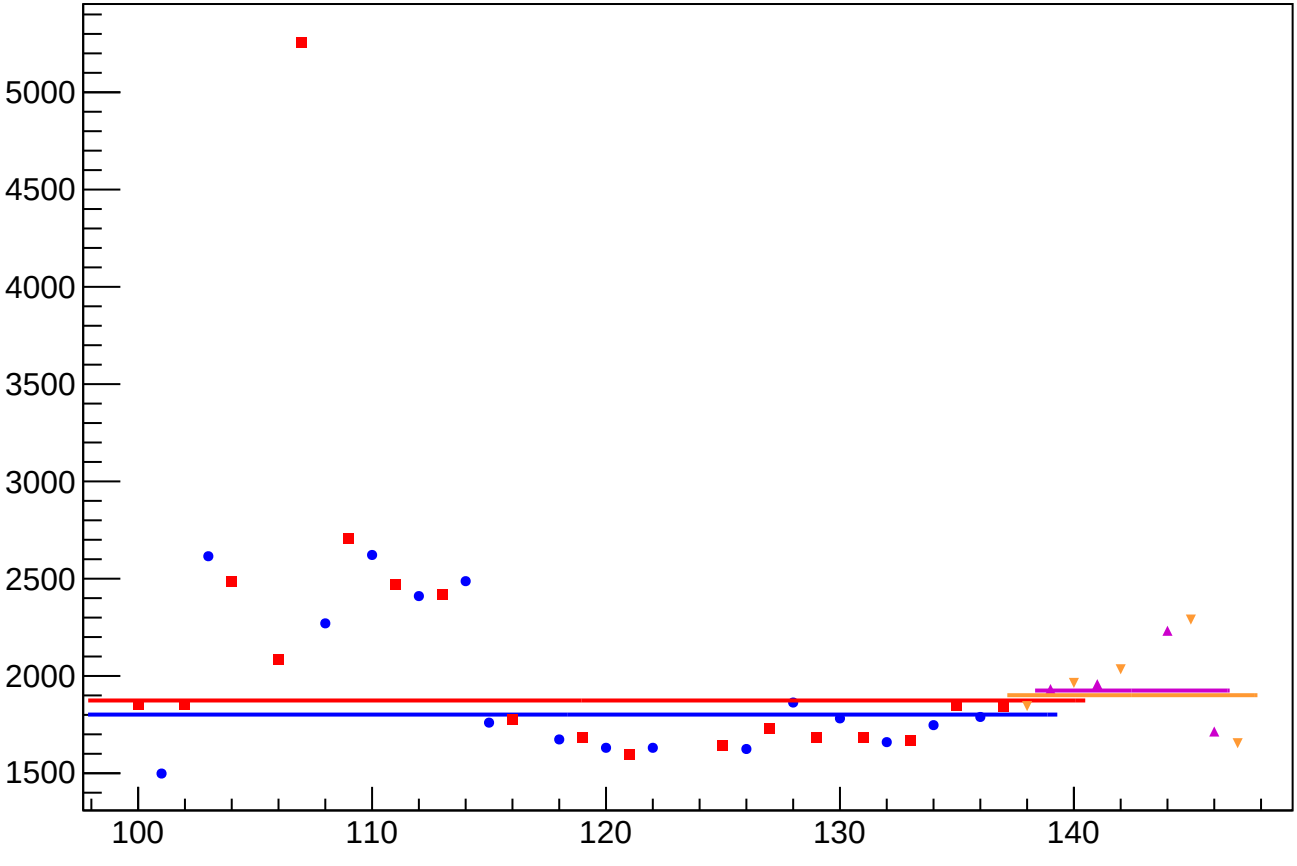
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 2082.819+/-566.994 χ^2/NDF:13.6/19

Out: 1461.972+/-576.340 χ^2/NDF:27.5/22

All: 1777.470+/-404.189 χ^2/NDF: 41.7/42

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1901.133+/-0.704 χ^2/NDF:90133.3/4

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1925.141+/-0.729 χ^2/NDF:61649.2/3

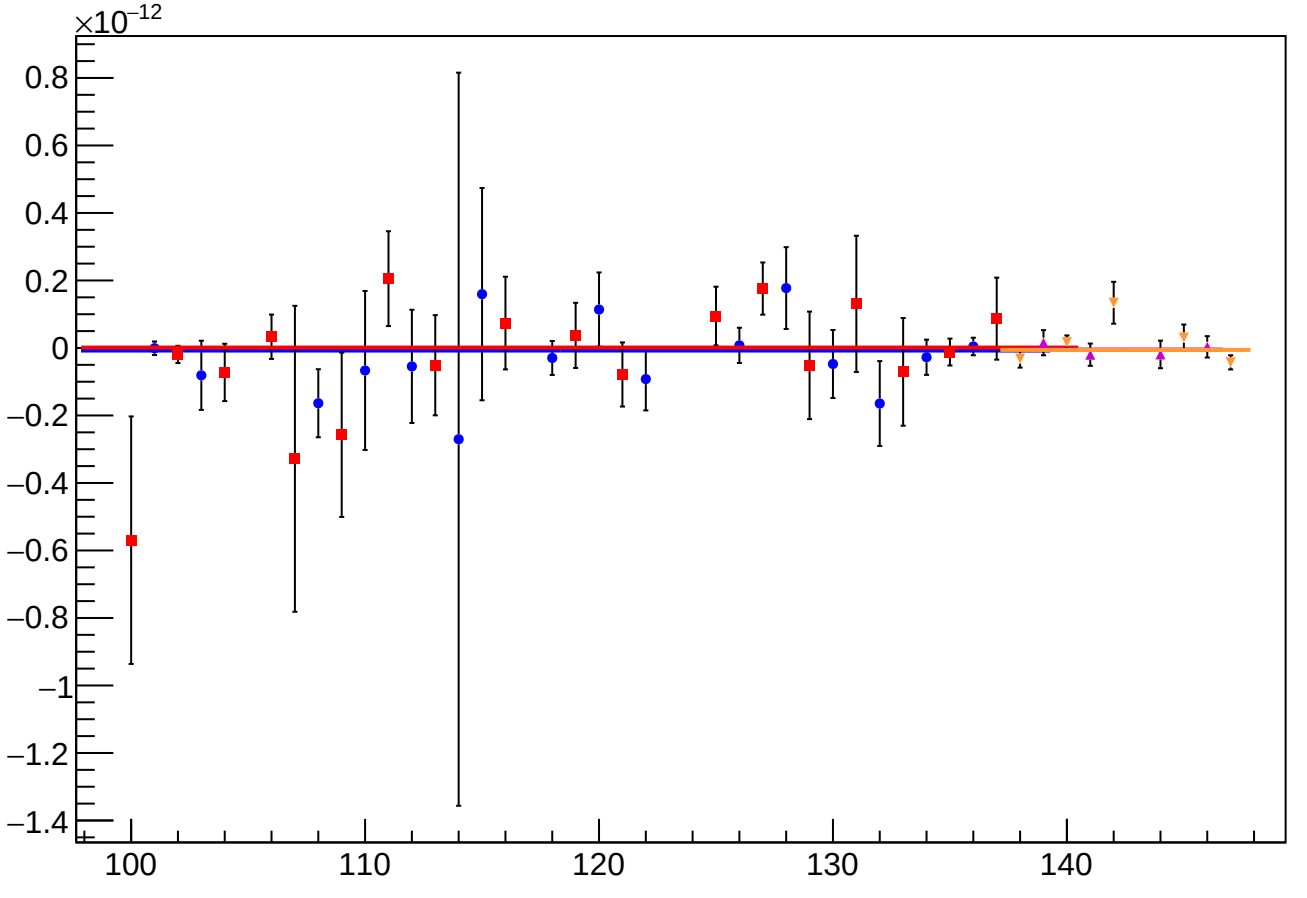
Left: 1912.720+/-0.506 χ^2/NDF: 152343.7/8

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1838.932+/-0.401 χ^2/NDF:482411.7/19

Out: 1883.077+/-0.408 χ^2/NDF:661031.6/22

All: 1860.644+/-0.286 χ^2/NDF: 1149406.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

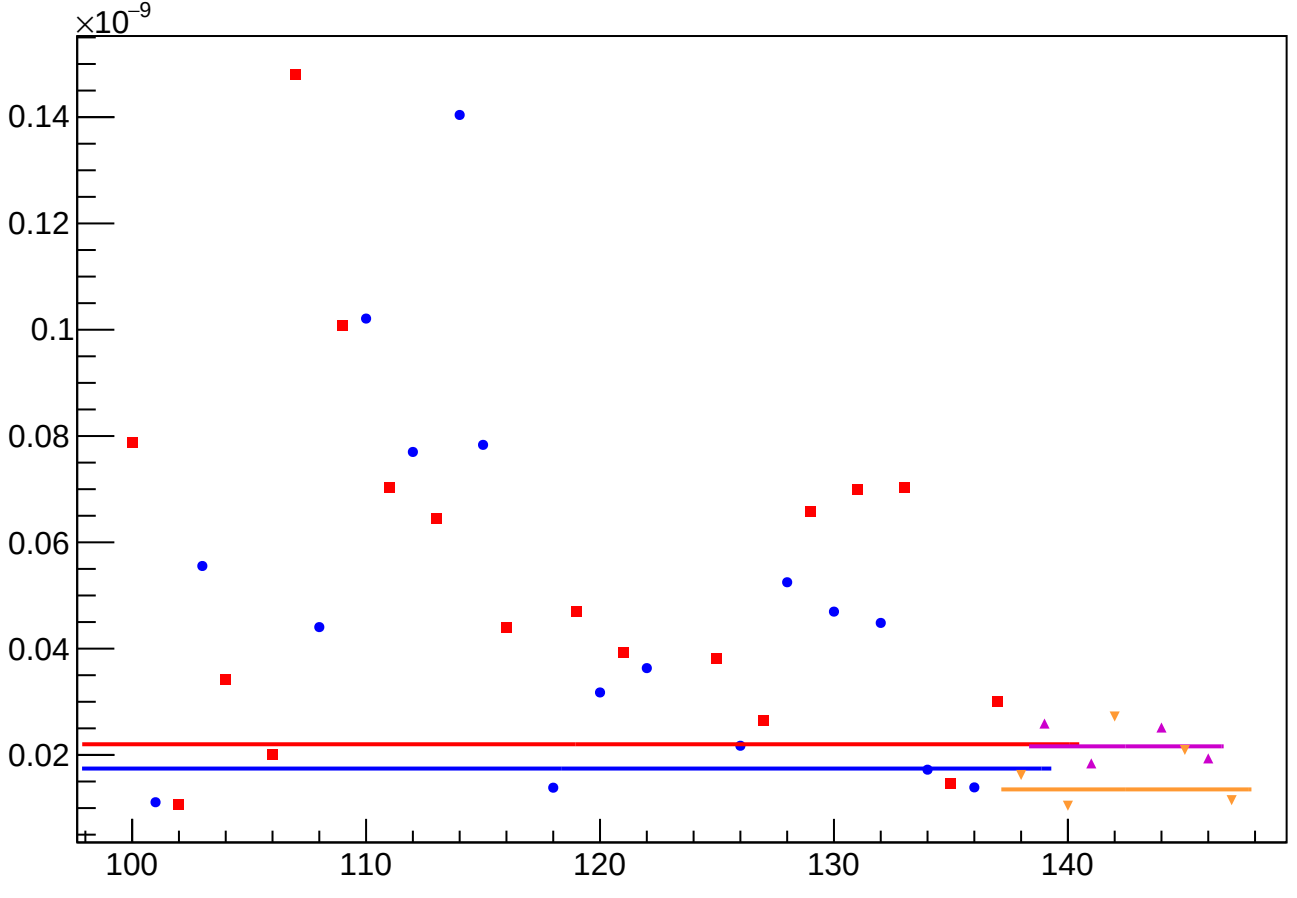
Left: -0.000+/-0.000 χ^2/NDF: 12.0/8

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:11.0/19

Out: -0.000+/-0.000 χ^2/NDF:28.1/22

All: -0.000+/-0.000 χ^2/NDF: 39.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:258509.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:70666.5/3

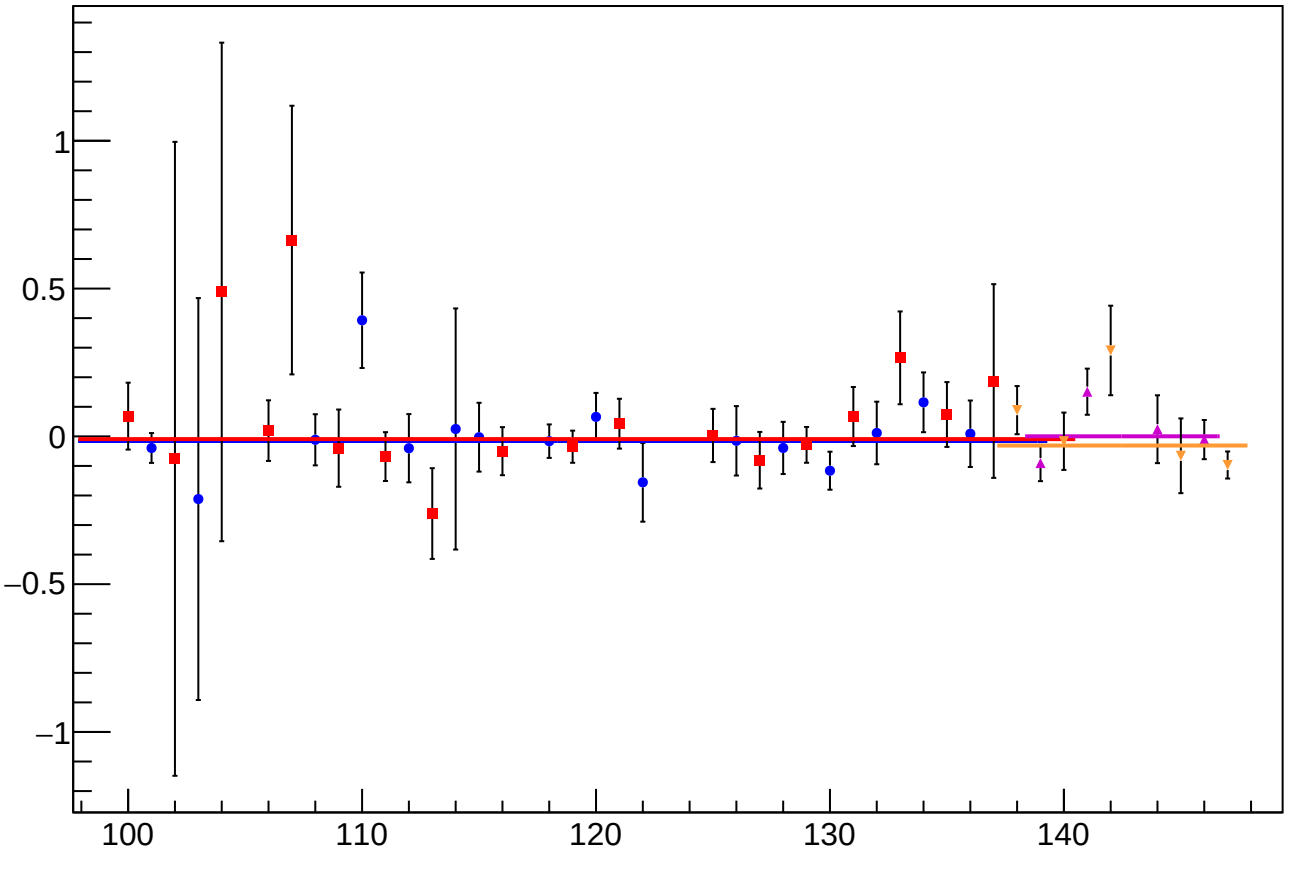
Left: 0.000+/-0.000 χ^2/NDF: 621261.9/8

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:1983327.1/19

Out: 0.000+/-0.000 χ^2/NDF:2688954.4/22

All: 0.000+/-0.000 χ^2/NDF: 4741657.8/42



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.037 χ^2/NDF:6.0/3

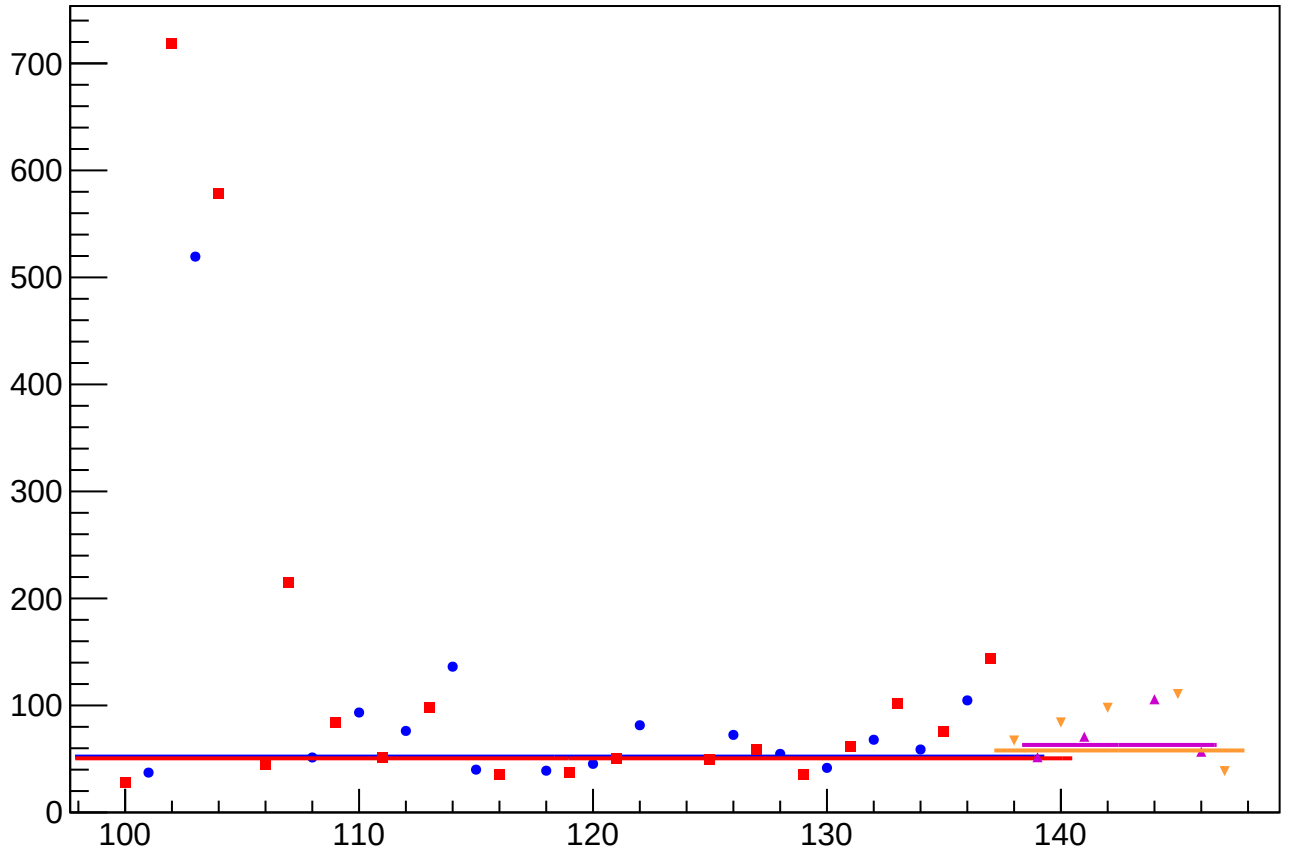
Left: -0.016+/-0.025 χ^2/NDF: 15.2/8

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.019 χ^2/NDF:19.3/19

Out: -0.016+/-0.019 χ^2/NDF:21.6/22

All: -0.014+/-0.014 χ^2/NDF: 40.9/42



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 57.933+/-0.024 χ^2/NDF:1014272.9/4

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 63.105+/-0.026 χ^2/NDF:384001.4/3

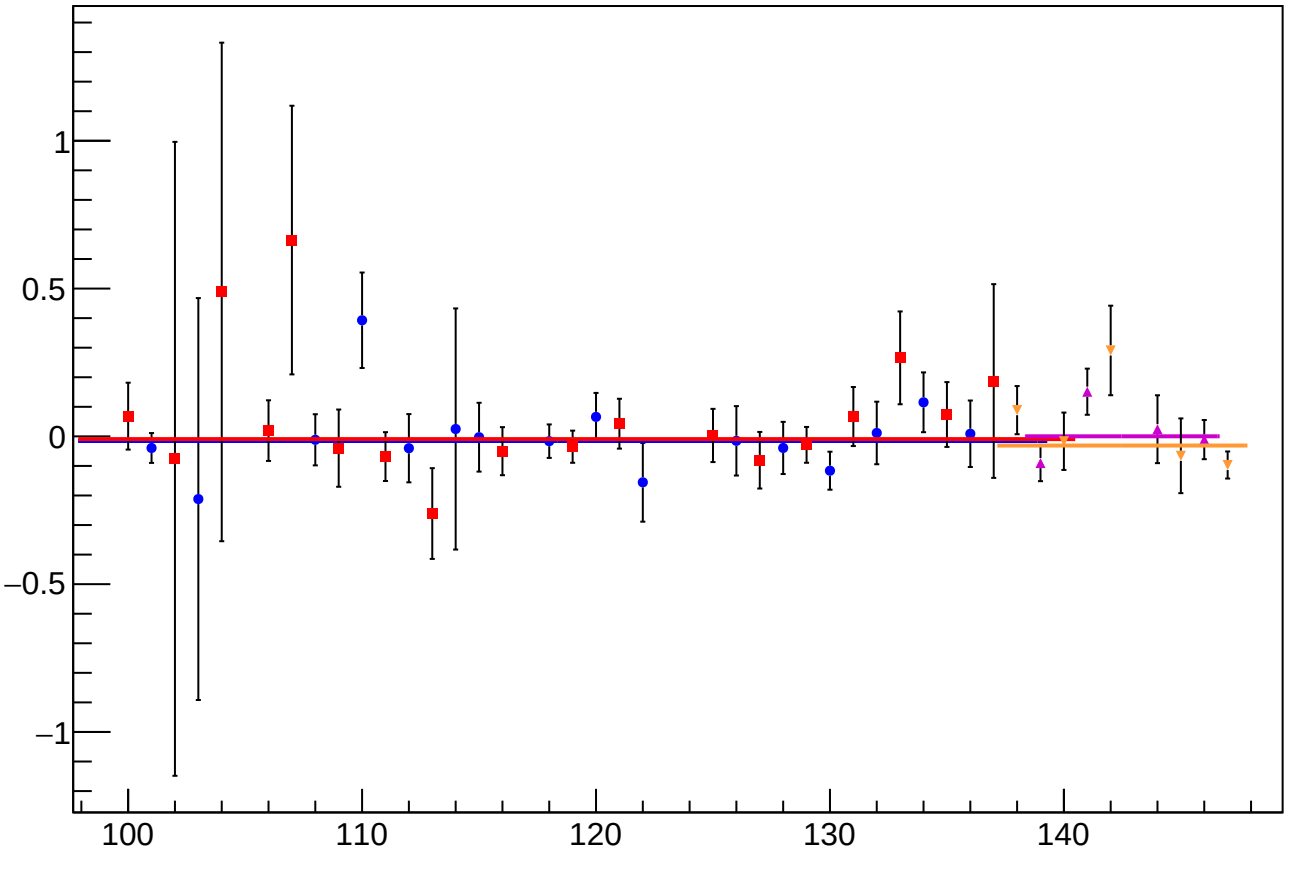
Left: 60.344+/-0.018 χ^2/NDF: 1419222.4/8

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 55.173+/-0.014 χ^2/NDF:2777919.2/19

Out: 52.924+/-0.014 χ^2/NDF:4127502.3/22

All: 54.059+/-0.010 χ^2/NDF: 6918876.5/42



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.037 χ^2/NDF:6.0/3

Left: -0.016+/-0.025 χ^2/NDF: 15.2/8

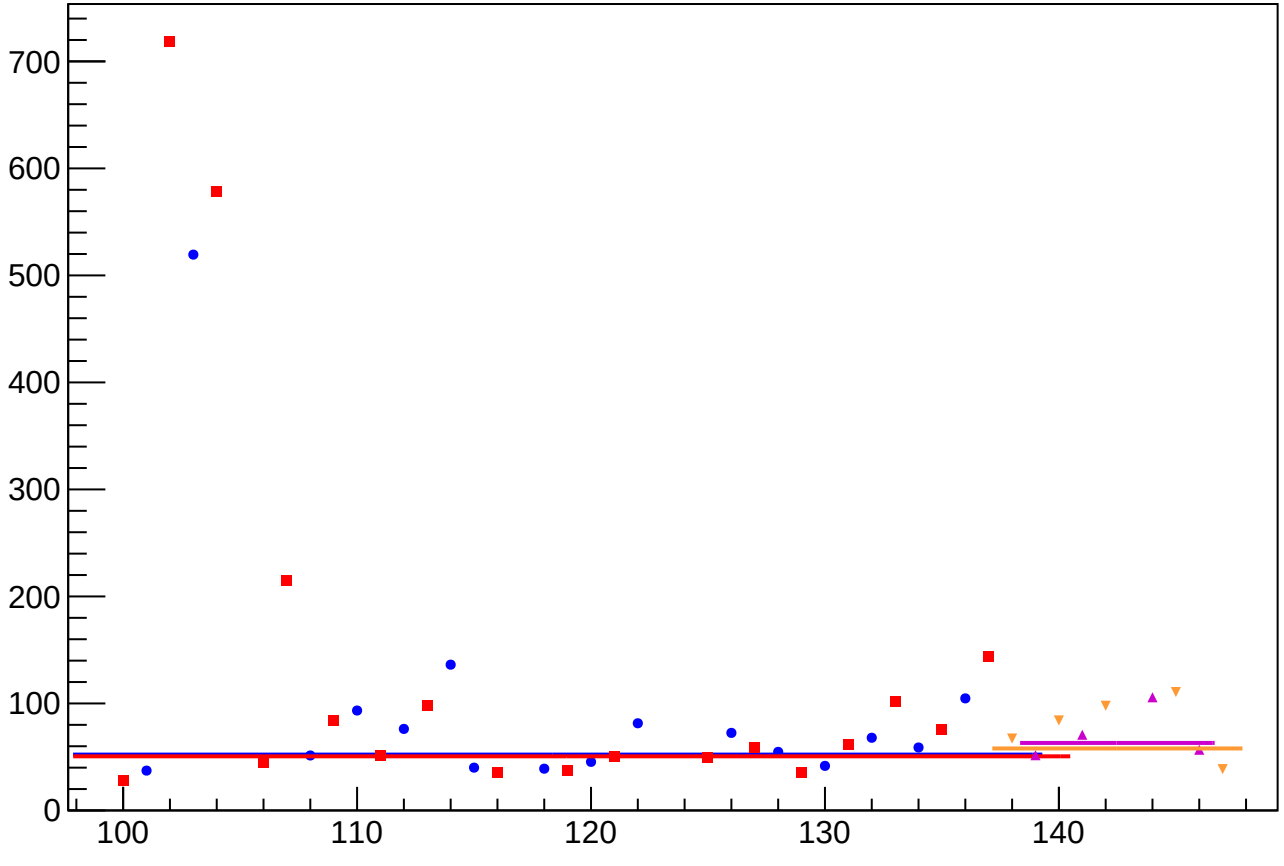
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.019 χ^2/NDF:19.3/19

Out: -0.016+/-0.019 χ^2/NDF:21.6/22

All: -0.014+/-0.014 χ^2/NDF: 40.9/42

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: 57.933+/-0.024 χ^2/NDF:1014272.9/4

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 63.105+/-0.026 χ^2/NDF:384001.4/3

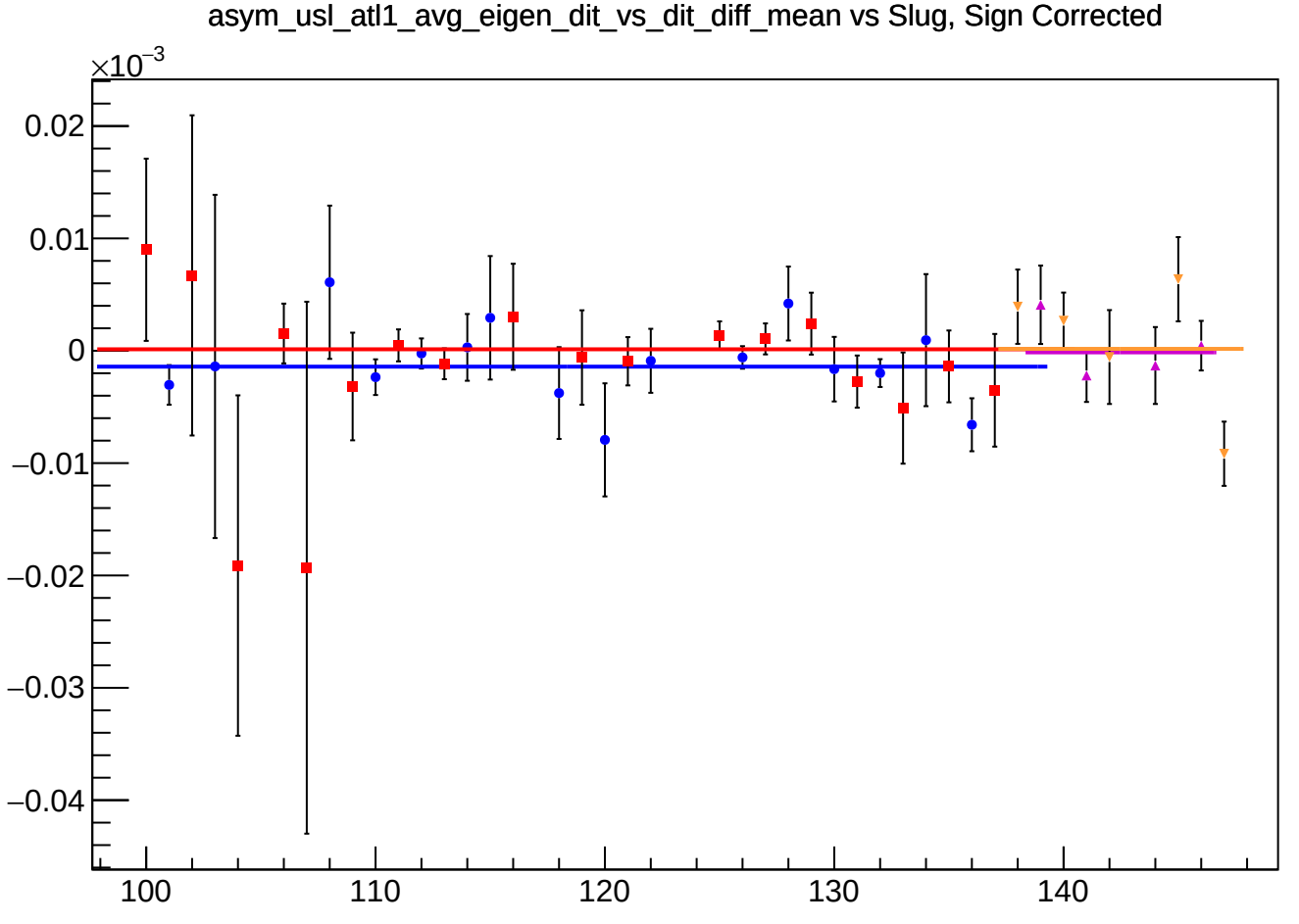
Left: 60.344+/-0.018 χ^2/NDF: 1419222.4/8

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 55.173+/-0.014 χ^2/NDF:2777919.2/19

Out: 52.924+/-0.014 χ^2/NDF:4127502.3/22

All: 54.059+/-0.010 χ^2/NDF: 6918876.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: -0.000+/-0.000 χ^2/NDF:2.4/3

Left: 0.000+/-0.000 χ^2/NDF: 18.2/8

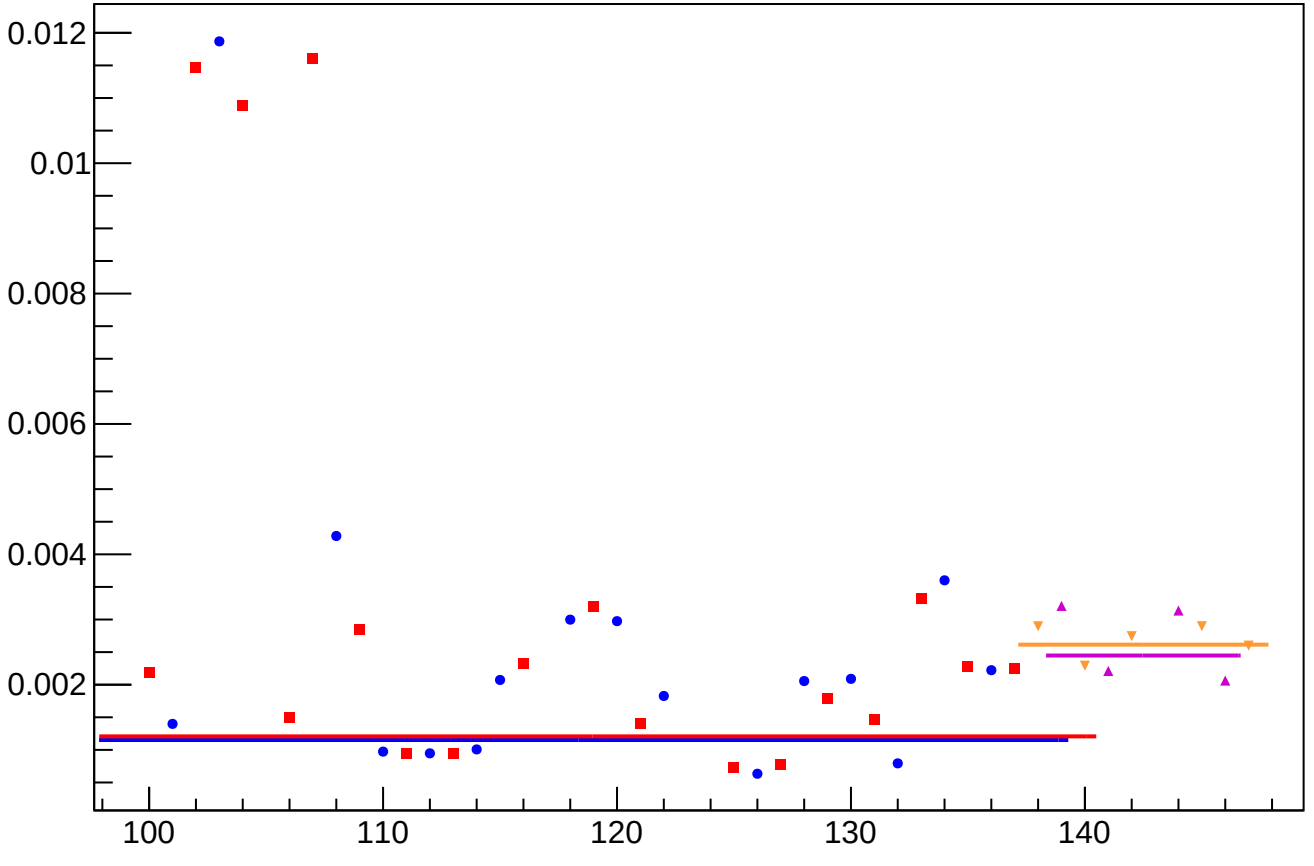
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:18.2/19

Out: 0.000+/-0.000 χ^2/NDF:27.3/22

All: -0.000+/-0.000 χ^2/NDF: 49.3/42

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: 0.003+/-0.000 χ^2/NDF:61079.8/4

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:257227.6/3

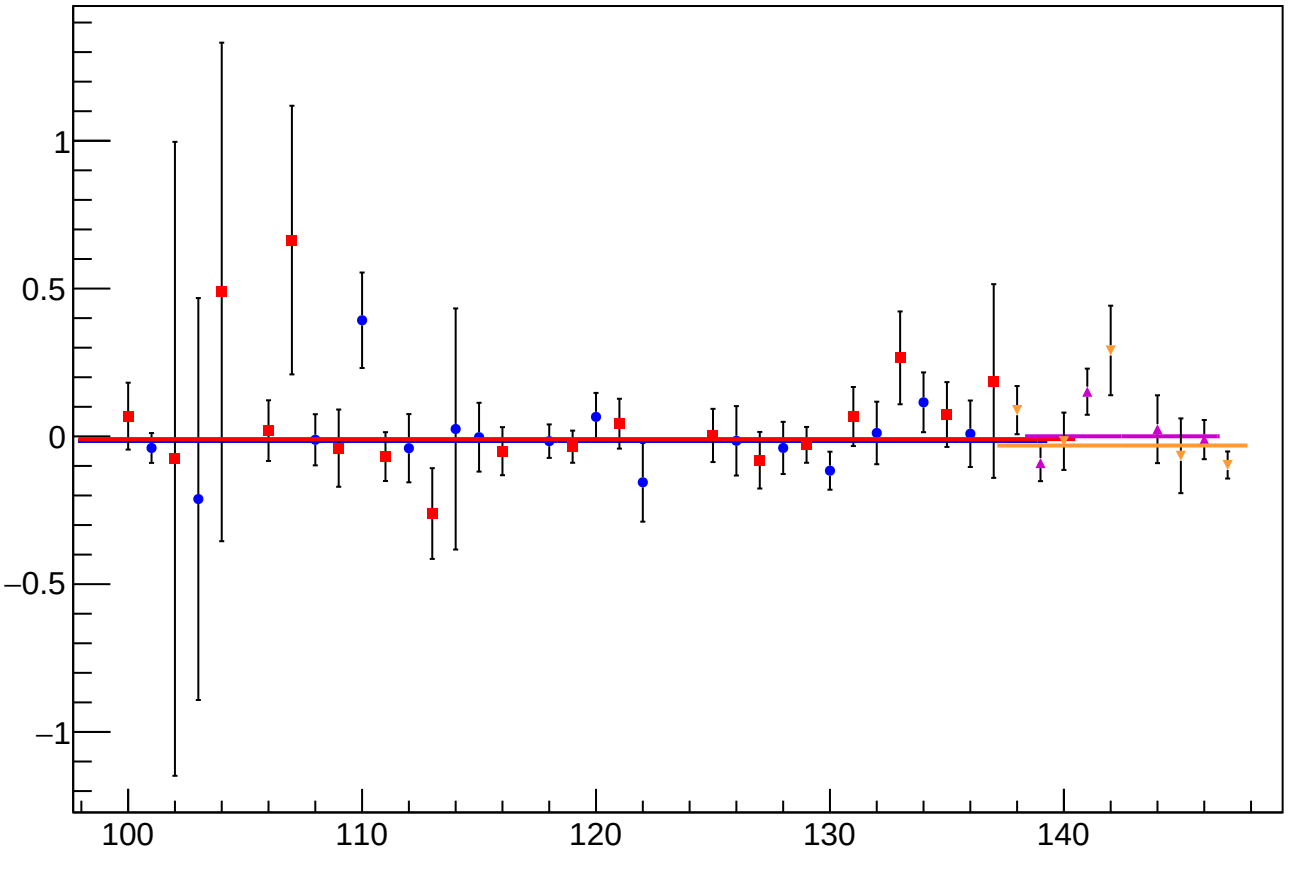
Left: 0.003+/-0.000 χ^2/NDF: 332909.7/8

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:6062561.2/19

Out: 0.001+/-0.000 χ^2/NDF:6301476.1/22

All: 0.001+/-0.000 χ^2/NDF: 12388574.3/42



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.031+/-0.035 χ^2/NDF:8.8/4

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: 0.000+/-0.037 χ^2/NDF:6.0/3

Left: -0.016+/-0.025 χ^2/NDF: 15.2/8

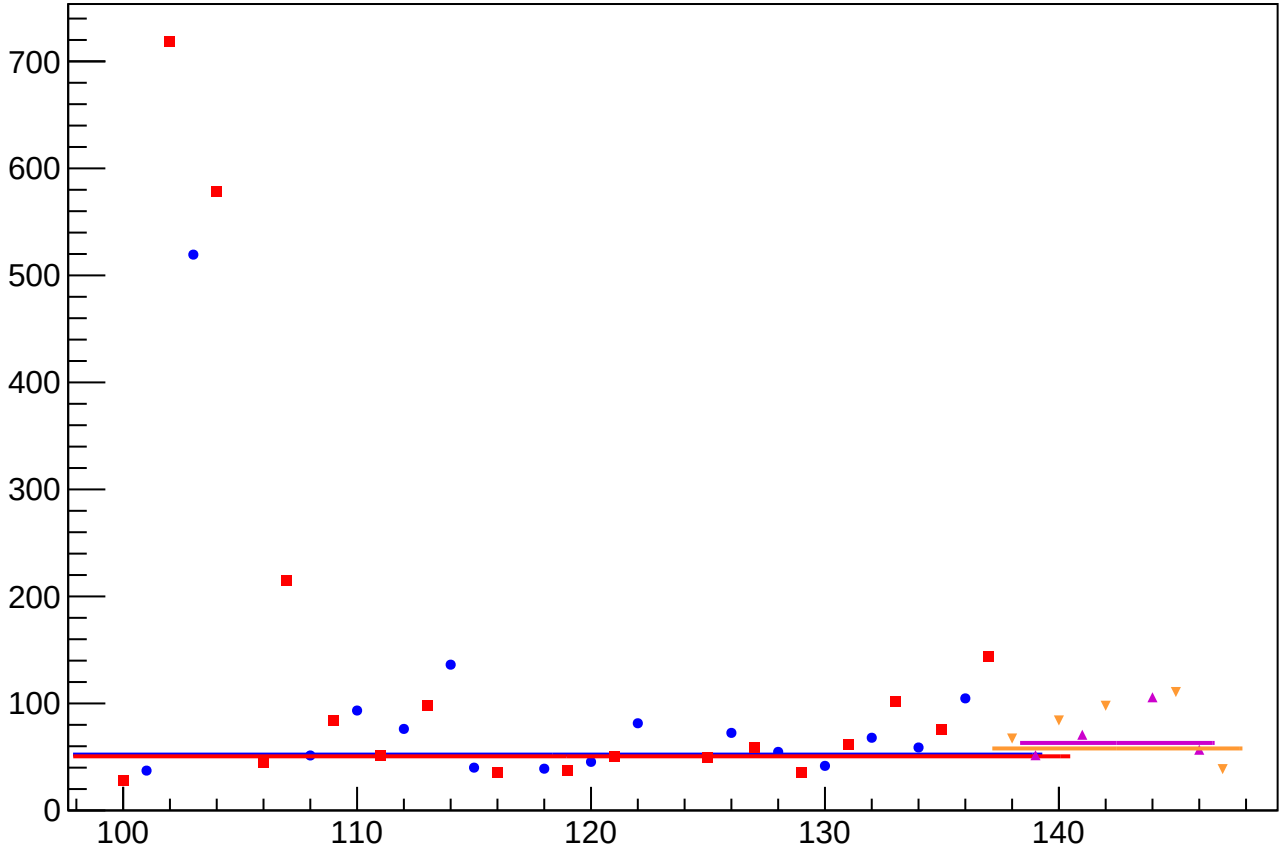
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.011+/-0.019 χ^2/NDF:19.3/19

Out: -0.016+/-0.019 χ^2/NDF:21.6/22

All: -0.014+/-0.014 χ^2/NDF: 40.9/42

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: 57.933+/-0.024 χ^2/NDF:1014236.8/4

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 63.105+/-0.026 χ^2/NDF:383994.3/3

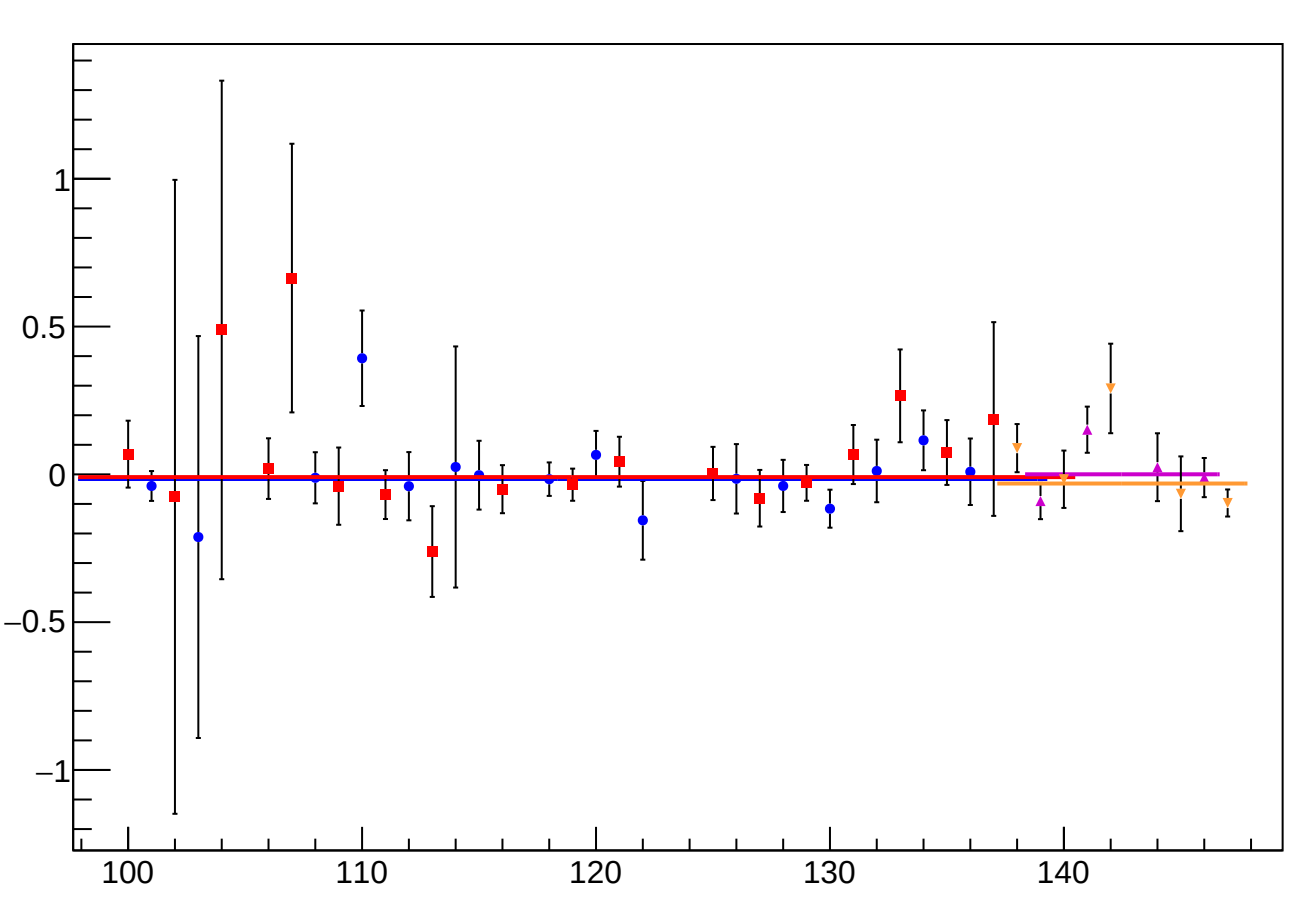
Left: 60.344+/-0.018 χ^2/NDF: 1419177.0/8

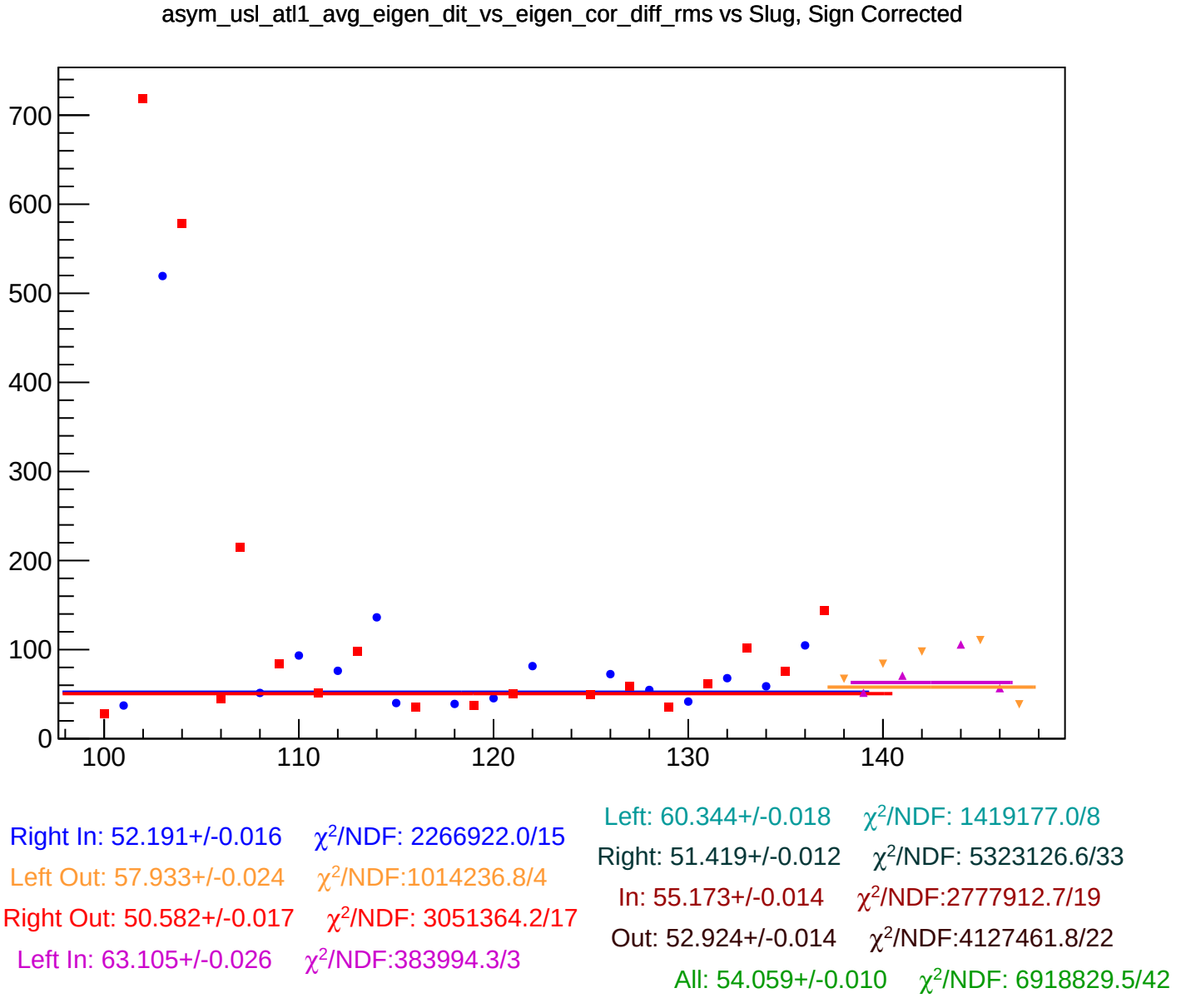
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

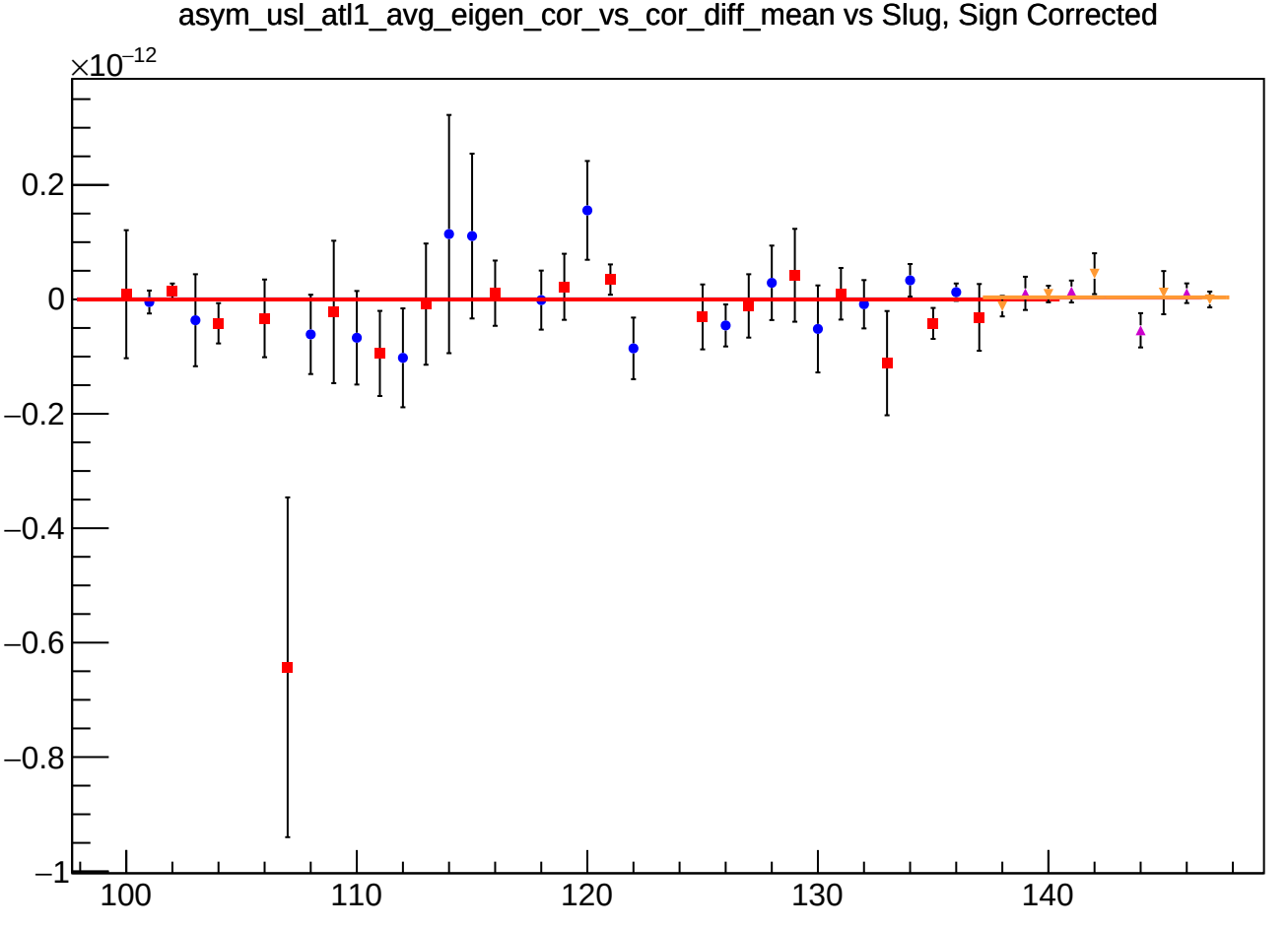
In: 55.173+/-0.014 χ^2/NDF:2777912.7/19

Out: 52.924+/-0.014 χ^2/NDF:4127461.8/22

All: 54.059+/-0.010 χ^2/NDF: 6918829.5/42


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
110
120
130
140
Right In: -0.016+/-0.023 χ²/NDF: 13.2/15
Left Out: -0.031+/-0.035 χ²/NDF:8.8/4
Right Out: -0.009+/-0.024 χ²/NDF: 12.5/17
Left In: 0.000+/-0.037 χ²/NDF:6.0/3
Left: -0.016+/-0.025 χ²/NDF: 15.2/8
Right: -0.013+/-0.016 χ²/NDF: 25.7/33
In: -0.011+/-0.019 χ²/NDF:19.3/19
Out: -0.016+/-0.019 χ²/NDF:21.6/22
All: -0.014+/-0.014 χ²/NDF: 40.9/42


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
700
600
500
400
300
200
100
0
100
110
120
130
140
Right In: 52.191+/-0.016 χ²/NDF: 2266922.0/15
Left Out: 57.933+/-0.024 χ²/NDF:1014236.8/4
Right Out: 50.582+/-0.017 χ²/NDF: 3051364.2/17
Left In: 63.105+/-0.026 χ²/NDF:383994.3/3
Left: 60.344+/-0.018 χ²/NDF: 1419177.0/8
Right: 51.419+/-0.012 χ²/NDF: 5323126.6/33
In: 55.173+/-0.014 χ²/NDF:2777912.7/19
Out: 52.924+/-0.014 χ²/NDF:4127461.8/22
All: 54.059+/-0.010 χ²/NDF: 6918829.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/3

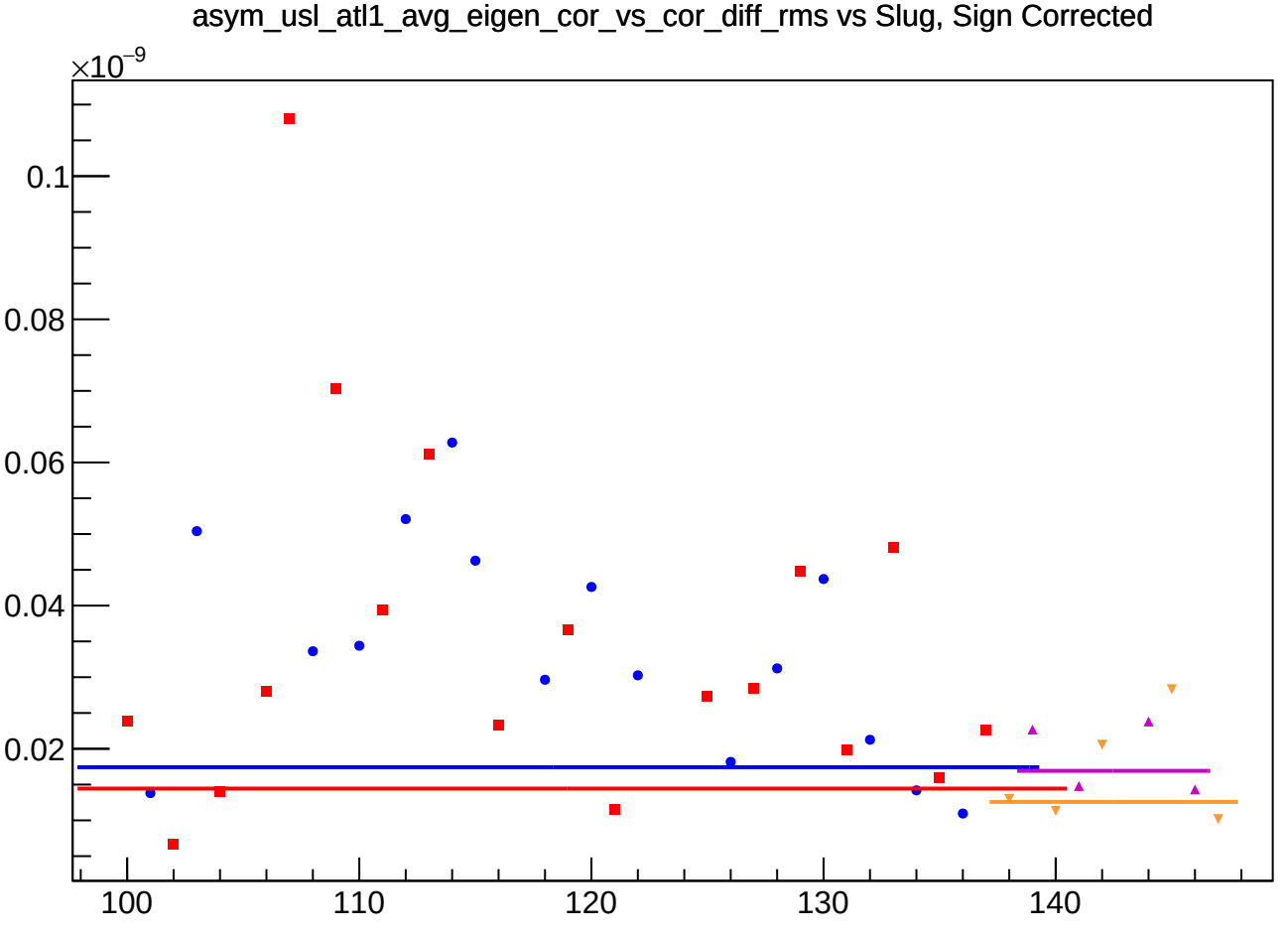
Left: 0.000+/-0.000 χ^2/NDF: 6.6/8

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

In: 0.000+/-0.000 χ^2/NDF:18.3/19

Out: 0.000+/-0.000 χ^2/NDF:18.5/22

All: 0.000+/-0.000 χ^2/NDF: 36.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:523966.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:255014.9/3

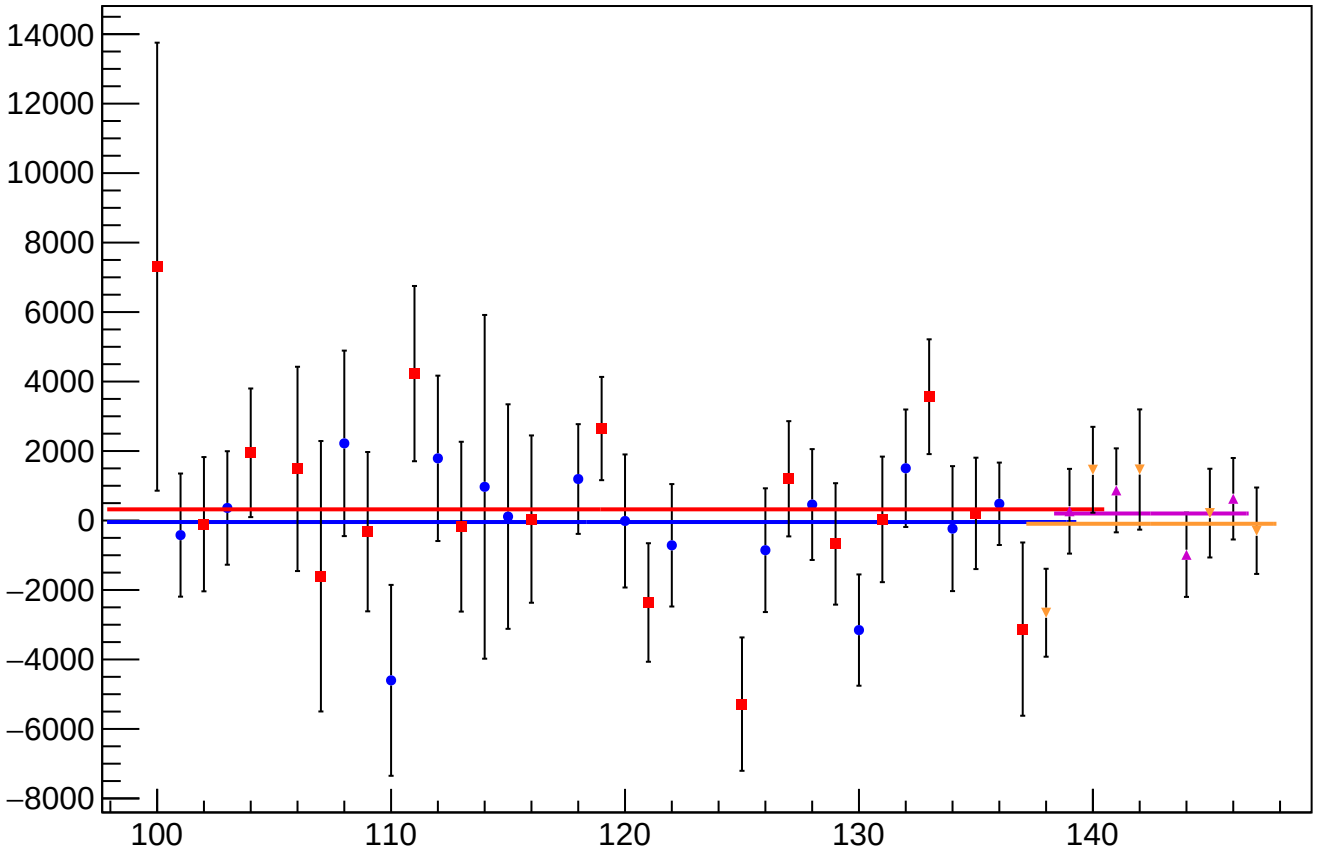
Left: 0.000+/-0.000 χ^2/NDF: 979948.9/8

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:2482014.7/19

Out: 0.000+/-0.000 χ^2/NDF:3831638.1/22

All: 0.000+/-0.000 χ^2/NDF: 6638781.0/42



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -94.064+/-590.024 χ^2/NDF:6.6/4

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 201.909+/-601.537 χ^2/NDF:1.4/3

Left: 51.064+/-421.222 χ^2/NDF: 8.1/8

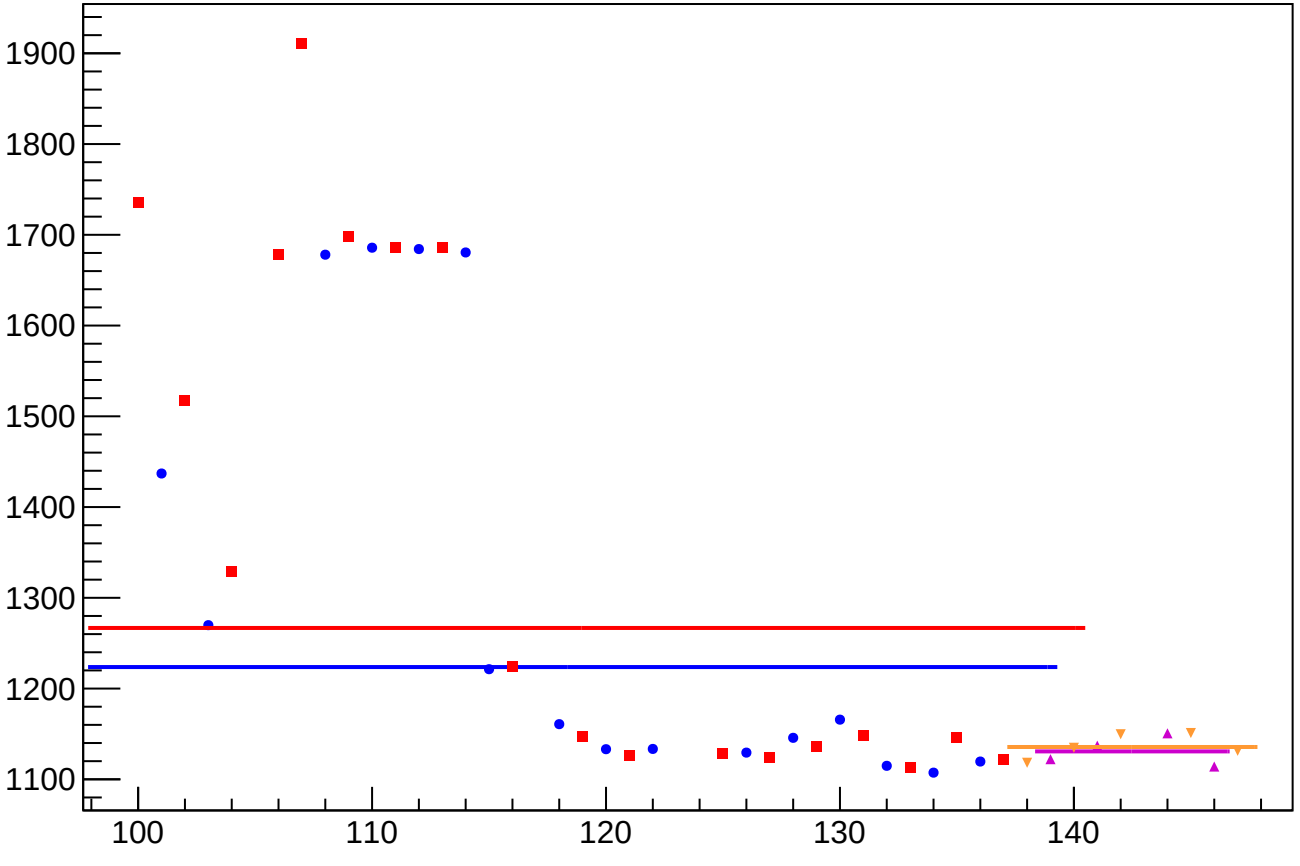
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 46.747+/-365.014 χ^2/NDF:11.6/19

Out: 157.966+/-369.971 χ^2/NDF:31.7/22

All: 101.606+/-259.838 χ^2/NDF: 43.3/42

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1135.616+/-0.417 χ^2/NDF:822.7/4

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

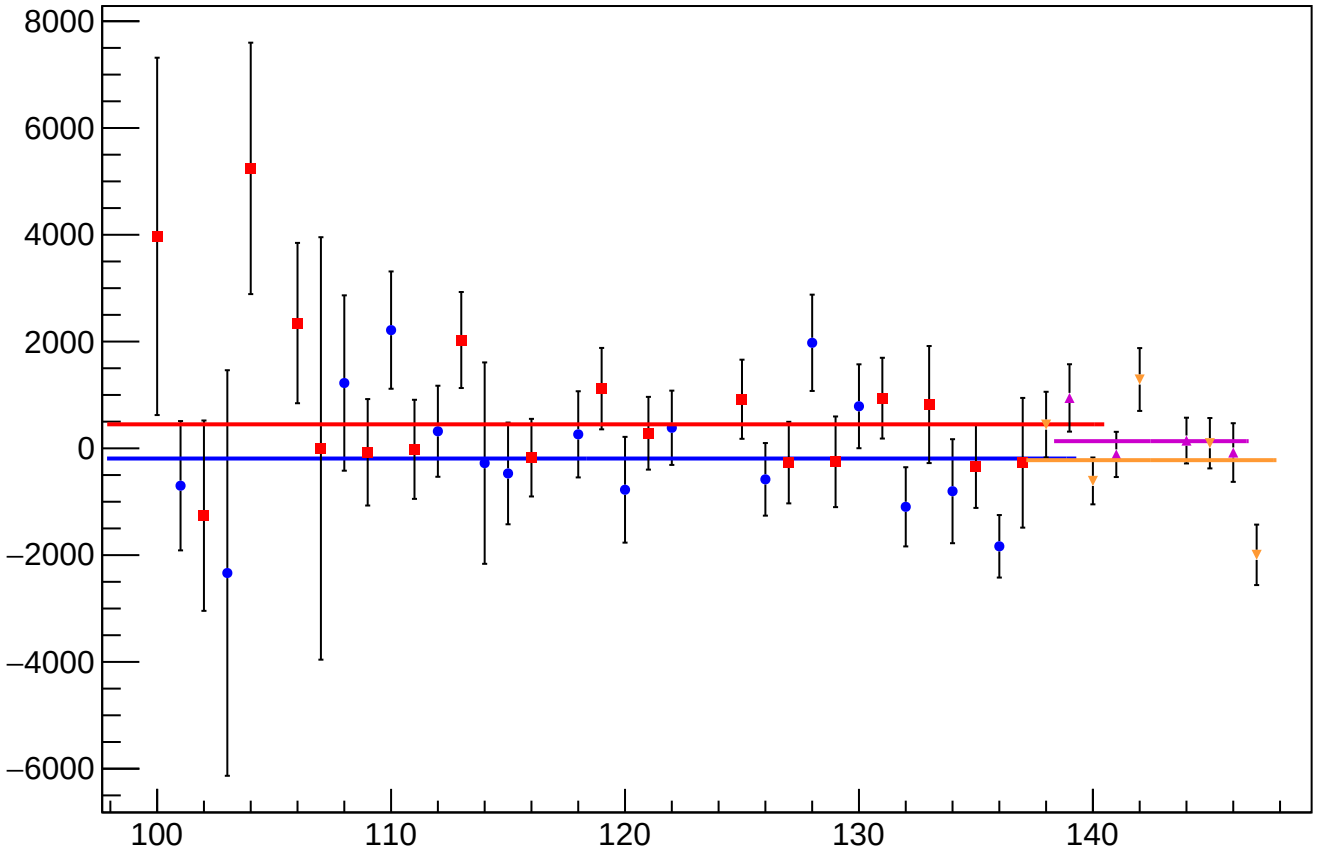
Left: 1133.237+/-0.298 χ^2/NDF: 1987.0/8

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1189.484+/-0.258 χ^2/NDF:326228.2/19

Out: 1215.208+/-0.262 χ^2/NDF:493644.0/22

All: 1202.172+/-0.184 χ^2/NDF: 824772.1/42



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -221.350+/-233.504 χ^2/NDF:18.8/4

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 134.608+/-243.573 χ^2/NDF:2.1/3

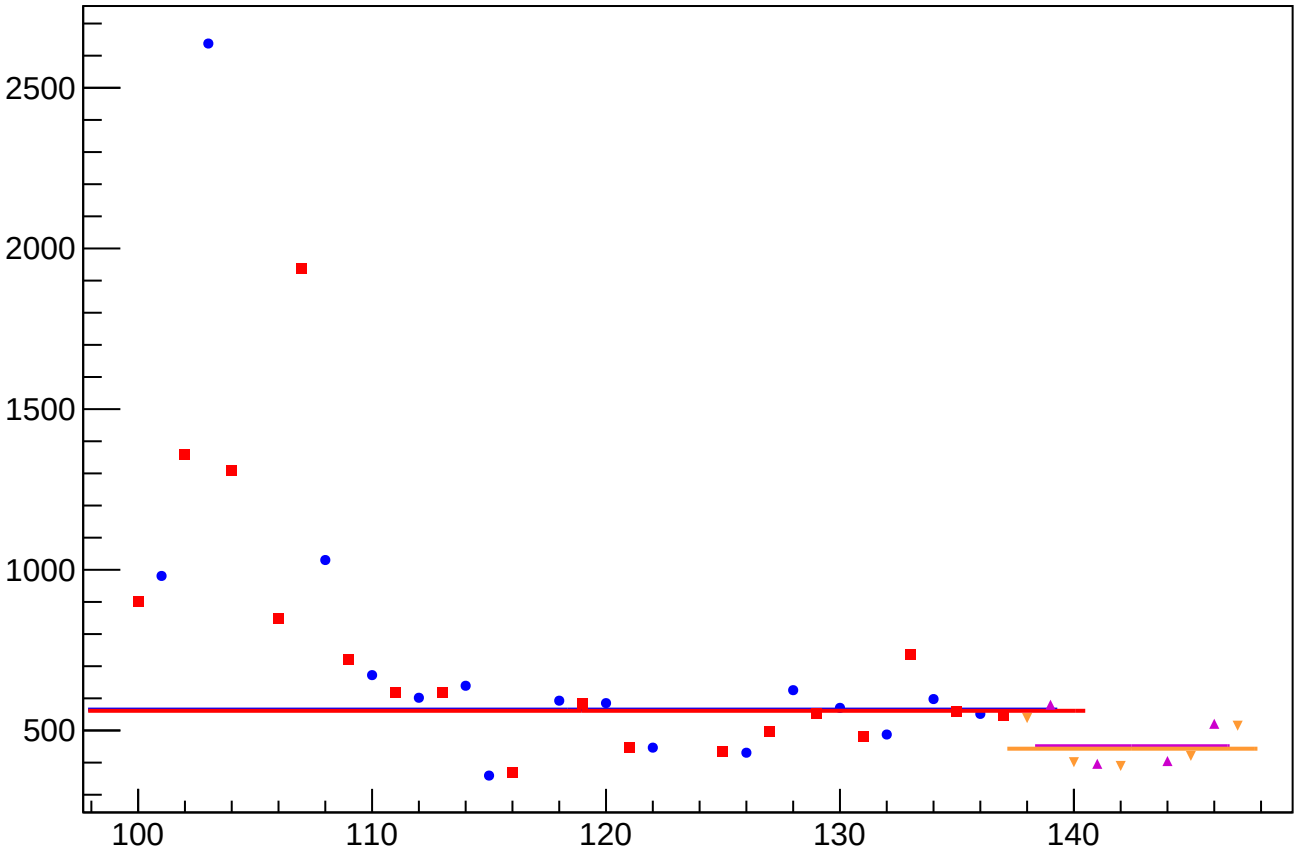
Left: -50.880+/-168.560 χ^2/NDF: 22.1/8

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: -42.421+/-164.425 χ^2/NDF:28.4/19

Out: 129.380+/-161.347 χ^2/NDF:39.9/22

All: 45.103+/-115.163 χ^2/NDF: 68.9/42



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 443.294+/-0.165 χ^2/NDF:119422.4/4

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 450.975+/-0.172 χ^2/NDF:172555.3/3

Left: 446.973+/-0.119 χ^2/NDF: 293014.1/8

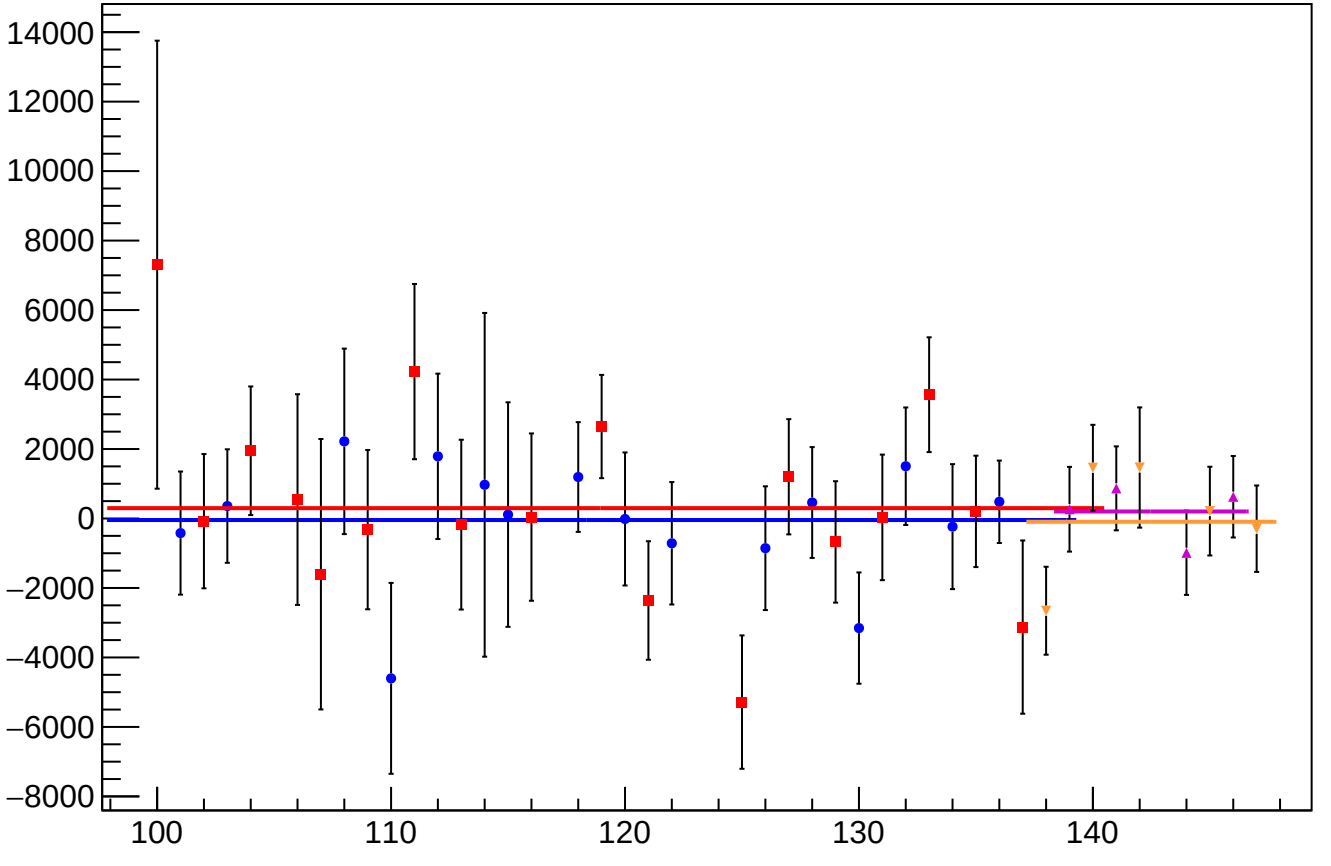
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 513.016+/-0.116 χ^2/NDF:1695426.7/19

Out: 504.928+/-0.114 χ^2/NDF:1738318.5/22

All: 508.896+/-0.081 χ^2/NDF: 3436210.9/42

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -93.927+/-590.024 χ^2/NDF:6.6/4

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 201.825+/-601.537 χ^2/NDF:1.4/3

Left: 51.091+/-421.222 χ^2/NDF: 8.1/8

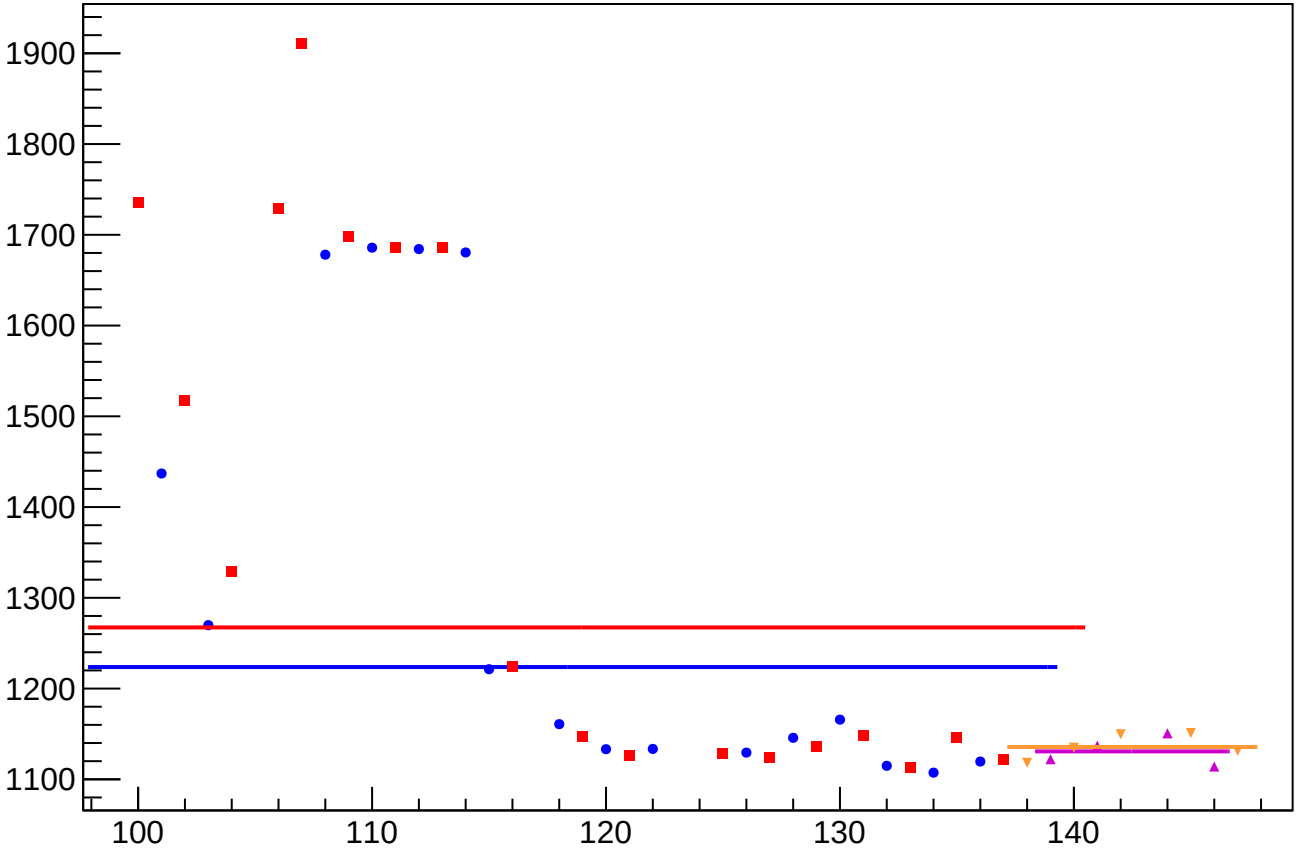
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 46.564+/-365.014 χ^2/NDF:11.6/19

Out: 143.879+/-370.148 χ^2/NDF:31.5/22

All: 94.542+/-259.900 χ^2/NDF: 43.1/42

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1135.616+/-0.417 χ^2/NDF:822.7/4

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

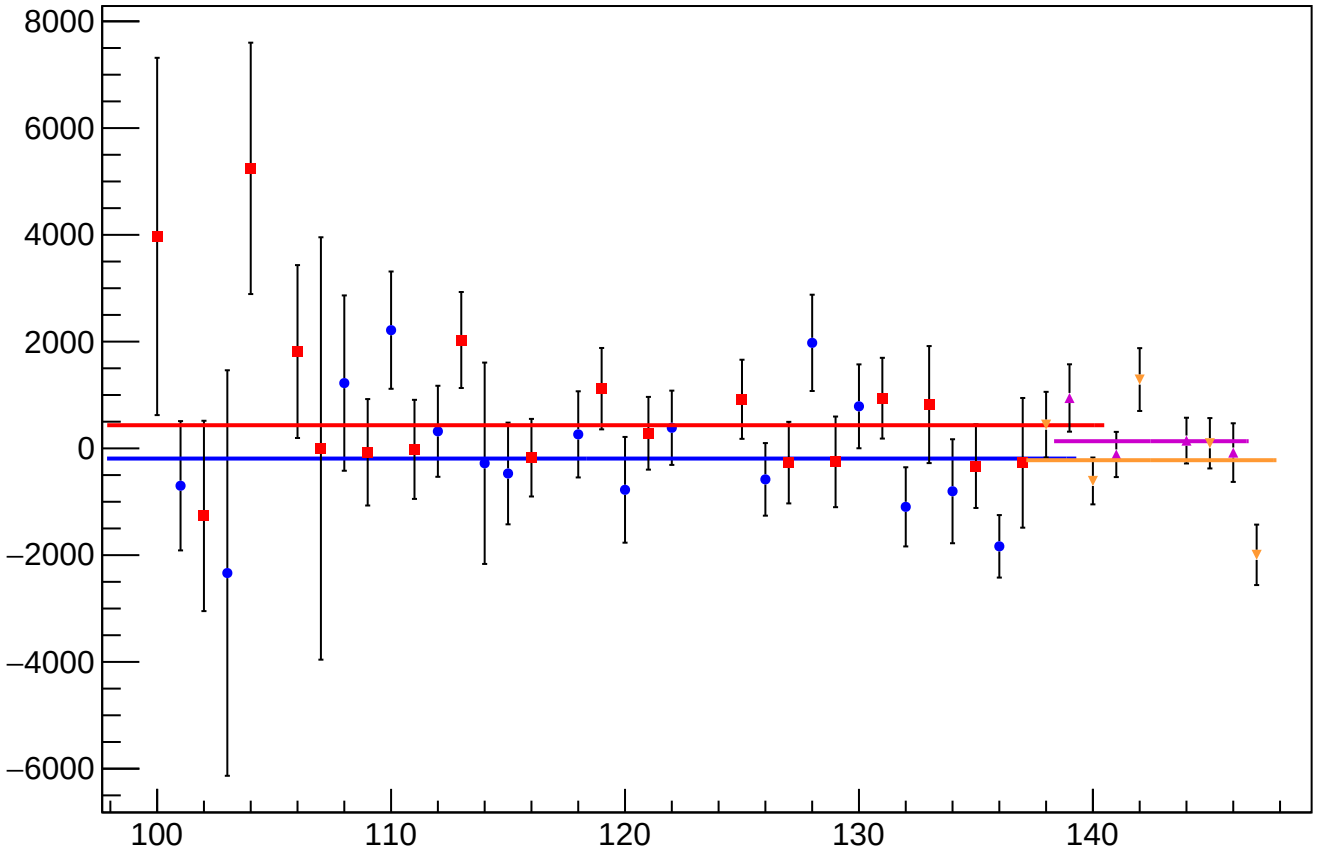
Left: 1133.237+/-0.298 χ^2/NDF: 1987.0/8

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1189.484+/-0.258 χ^2/NDF:326228.3/19

Out: 1215.513+/-0.262 χ^2/NDF:501278.1/22

All: 1202.316+/-0.184 χ^2/NDF: 832520.5/42



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -221.356+/-233.503 χ^2/NDF:18.8/4

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 134.514+/-243.573 χ^2/NDF:2.1/3

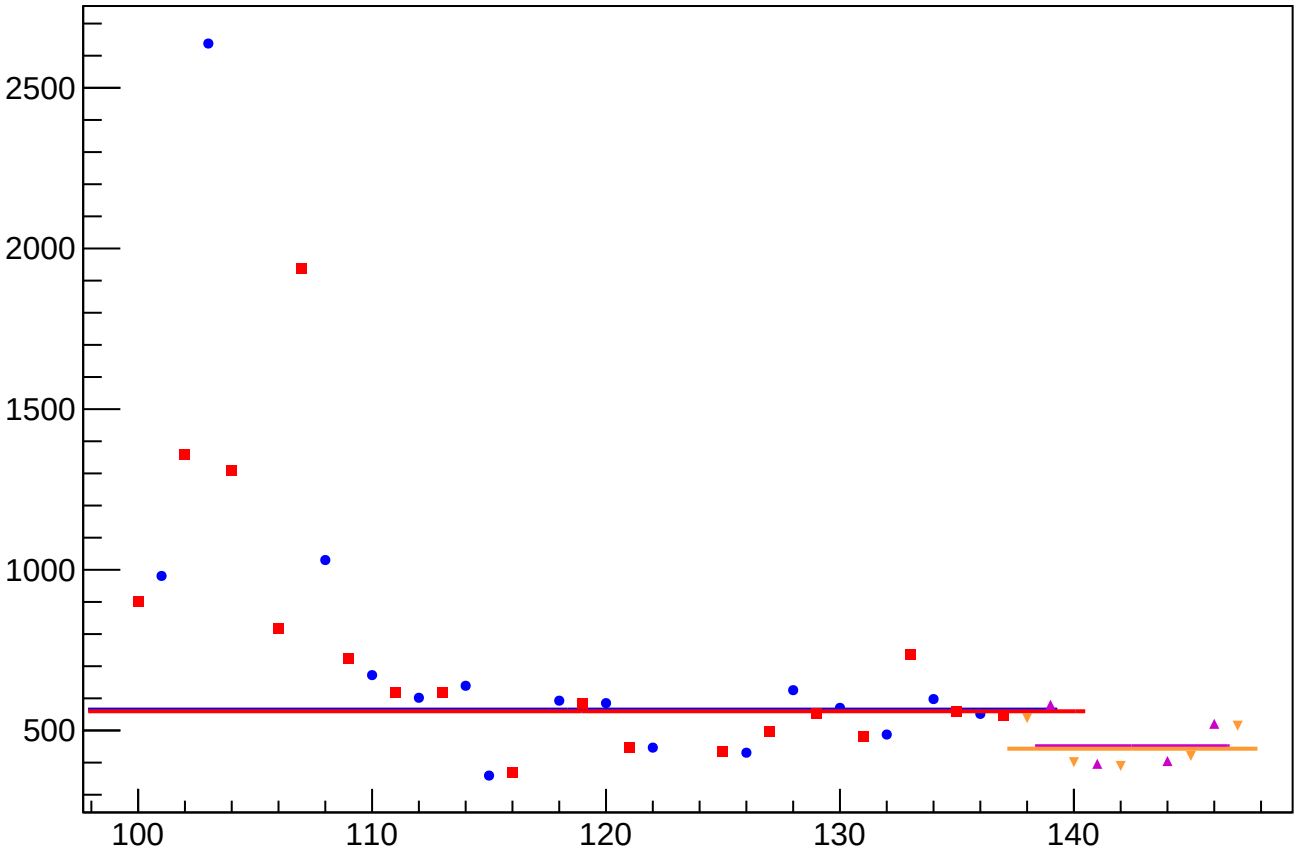
Left: -50.930+/-168.559 χ^2/NDF: 22.1/8

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -42.472+/-164.425 χ^2/NDF:28.4/19

Out: 120.526+/-161.477 χ^2/NDF:38.8/22

All: 40.502+/-115.209 χ^2/NDF: 67.7/42



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 443.293+/-0.165 χ^2/NDF:119393.4/4

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 450.977+/-0.172 χ^2/NDF:172549.2/3

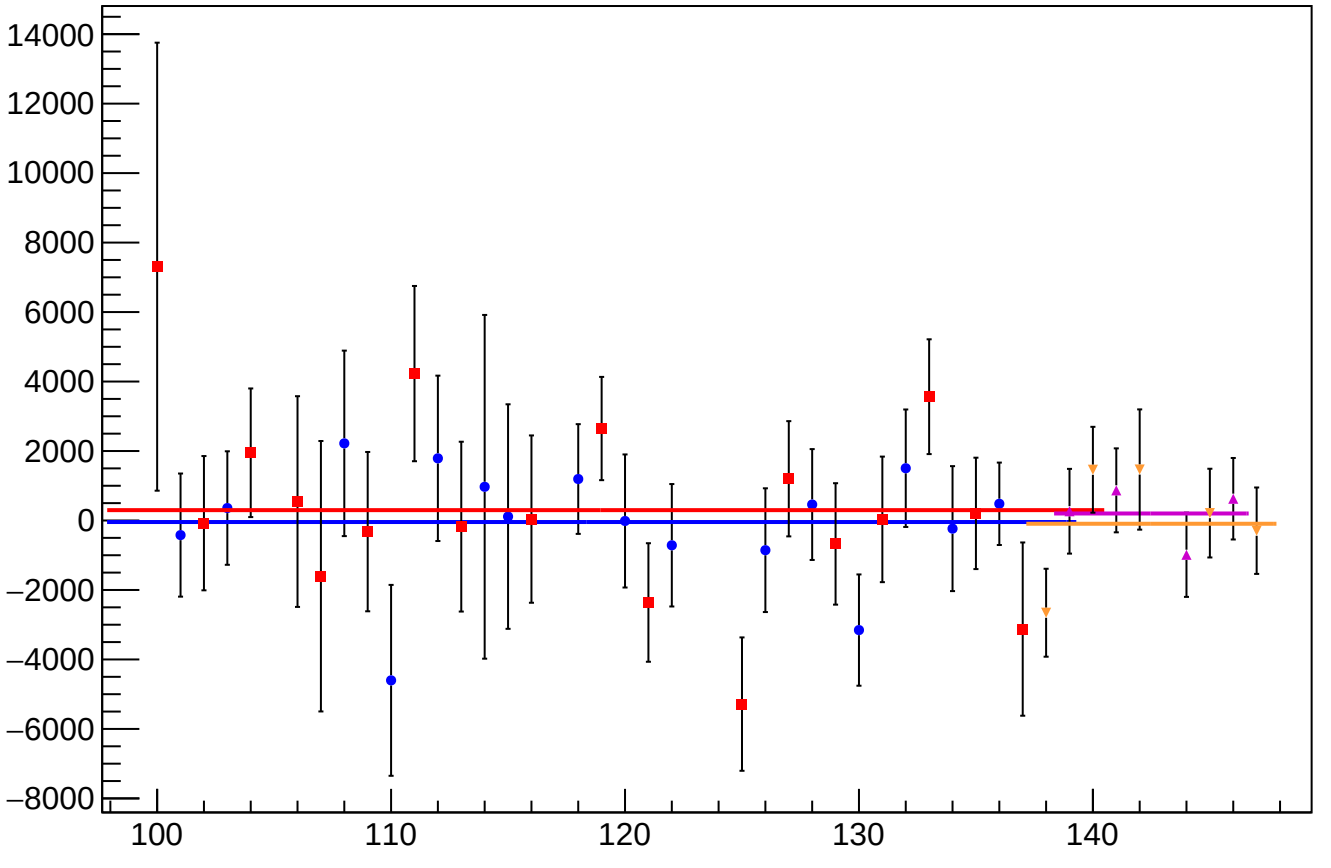
Left: 446.973+/-0.119 χ^2/NDF: 292979.8/8

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 513.015+/-0.116 χ^2/NDF:1695374.1/19

Out: 504.061+/-0.114 χ^2/NDF:1708358.4/22

All: 508.457+/-0.081 χ^2/NDF: 3406751.9/42



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -93.927+/-590.024 χ^2/NDF:6.6/4

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 201.825+/-601.537 χ^2/NDF:1.4/3

Left: 51.091+/-421.222 χ^2/NDF: 8.1/8

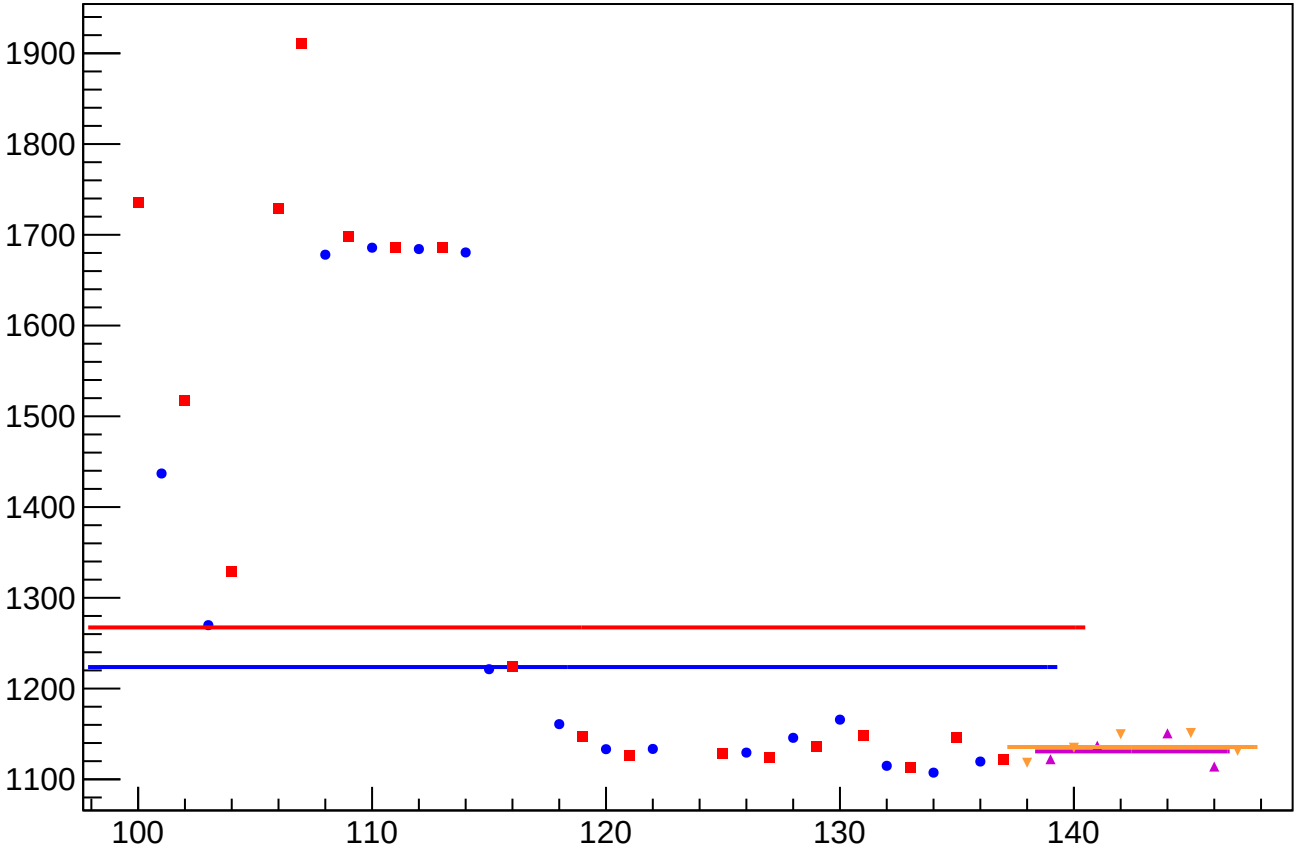
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 46.564+/-365.014 χ^2/NDF:11.6/19

Out: 143.879+/-370.148 χ^2/NDF:31.5/22

All: 94.542+/-259.900 χ^2/NDF: 43.1/42

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: 1135.616+/-0.417 χ^2/NDF:822.7/4

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1130.764+/-0.425 χ^2/NDF:1098.0/3

Left: 1133.237+/-0.298 χ^2/NDF: 1987.0/8

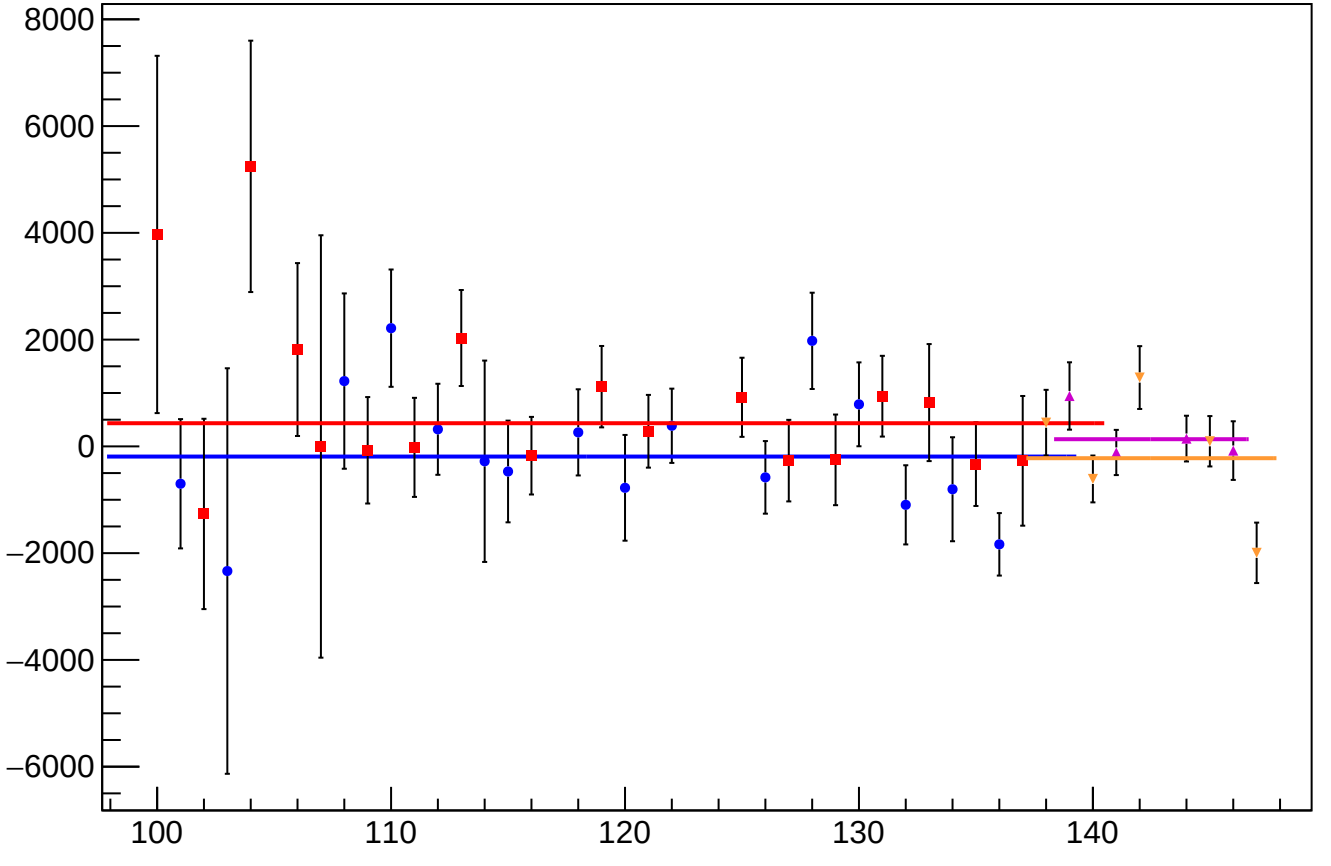
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1189.484+/-0.258 χ^2/NDF:326228.3/19

Out: 1215.513+/-0.262 χ^2/NDF:501278.1/22

All: 1202.316+/-0.184 χ^2/NDF: 832520.5/42

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: -221.356+/-233.503 χ^2/NDF:18.8/4

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 134.514+/-243.573 χ^2/NDF:2.1/3

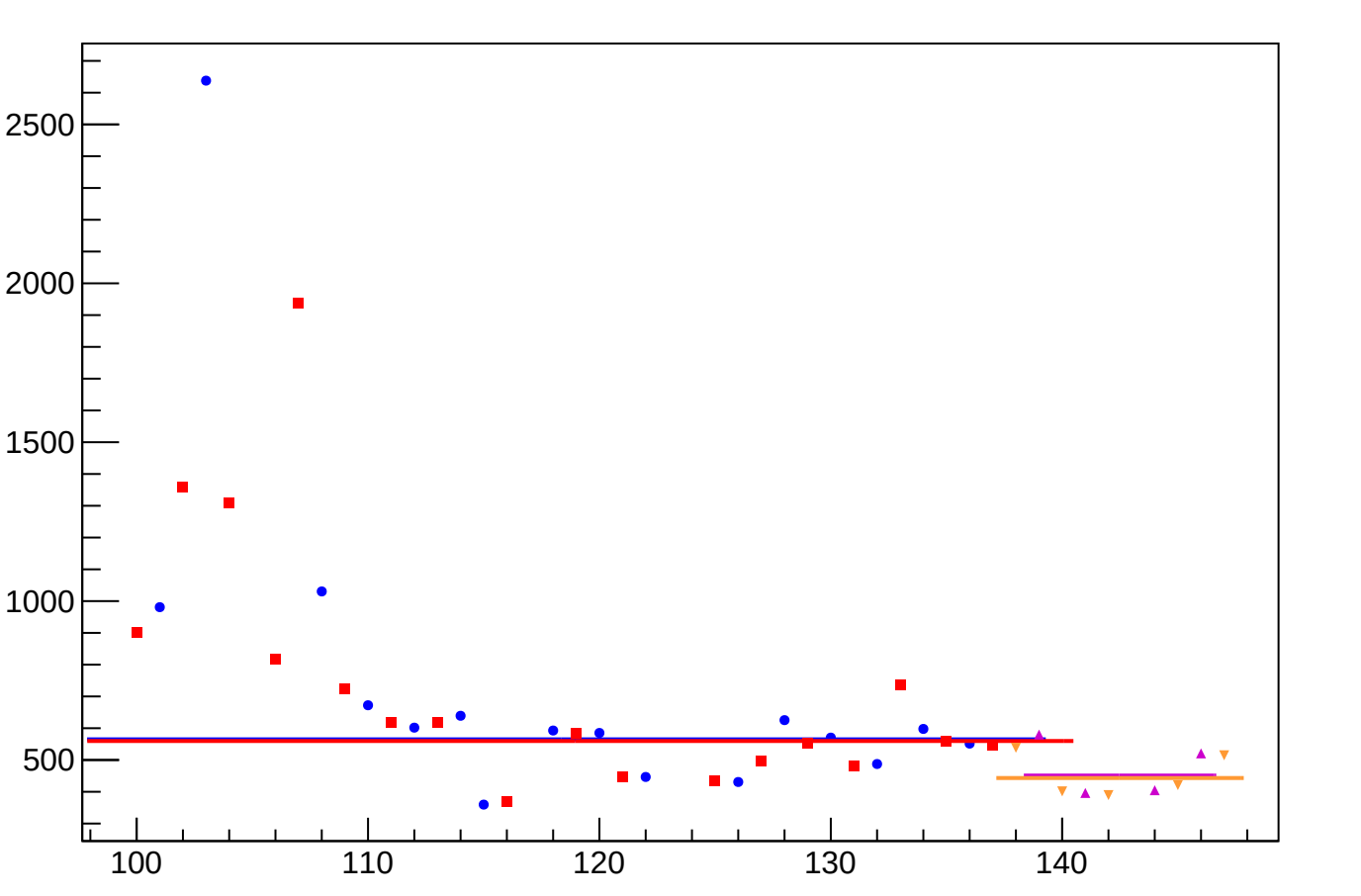
Left: -50.930+/-168.559 χ^2/NDF: 22.1/8

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: -42.472+/-164.425 χ^2/NDF:28.4/19

Out: 120.526+/-161.477 χ^2/NDF:38.8/22

All: 40.502+/-115.209 χ^2/NDF: 67.7/42



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 443.293+/-0.165 χ^2/NDF:119393.4/4

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 450.977+/-0.172 χ^2/NDF:172549.2/3

Left: 446.973+/-0.119 χ^2/NDF: 292979.8/8

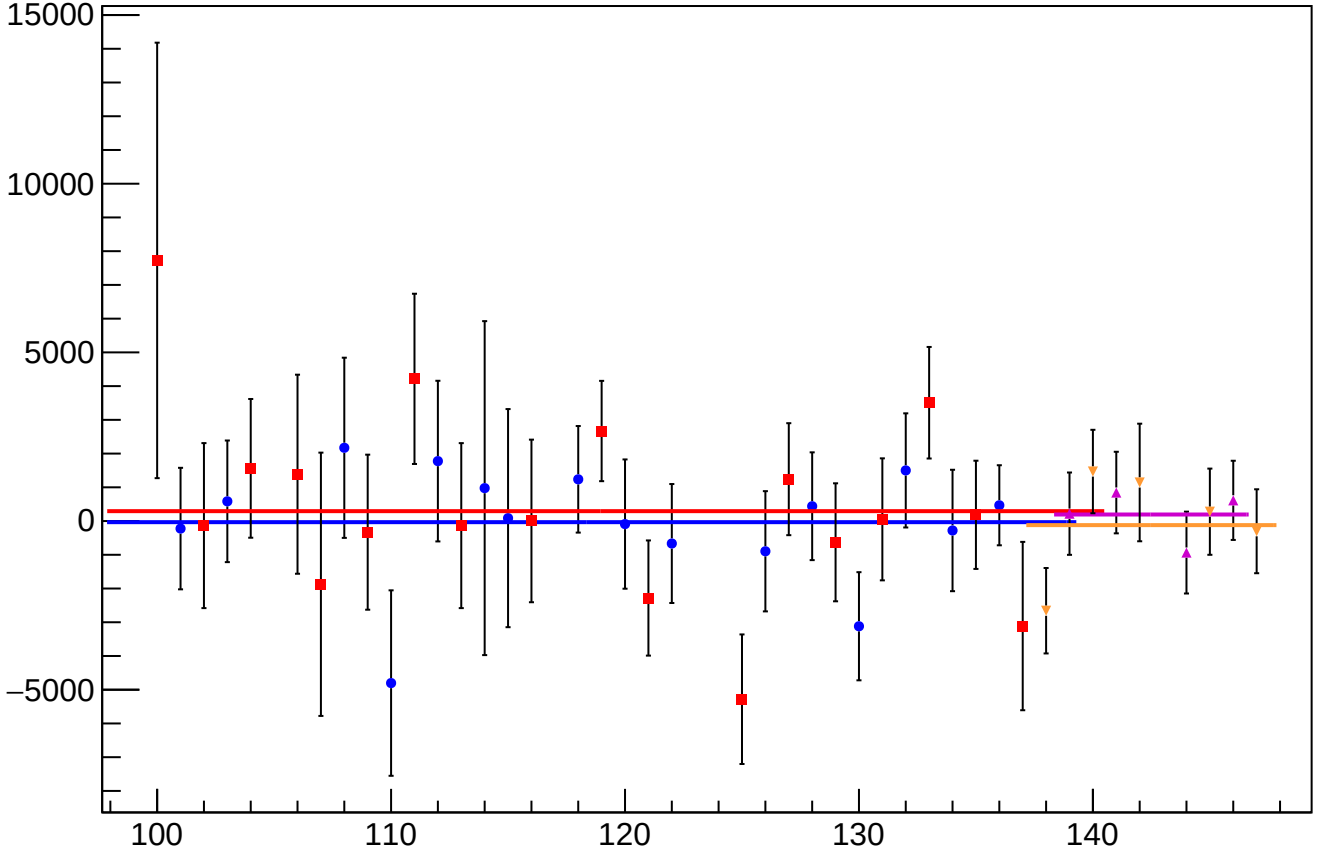
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 513.015+/-0.116 χ^2/NDF:1695374.1/19

Out: 504.061+/-0.114 χ^2/NDF:1708358.4/22

All: 508.457+/-0.081 χ^2/NDF: 3406751.9/42

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -120.735+/-590.741 χ^2/NDF:6.3/4

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 193.913+/-601.799 χ^2/NDF:1.3/3

Left: 33.672+/-421.572 χ^2/NDF: 7.7/8

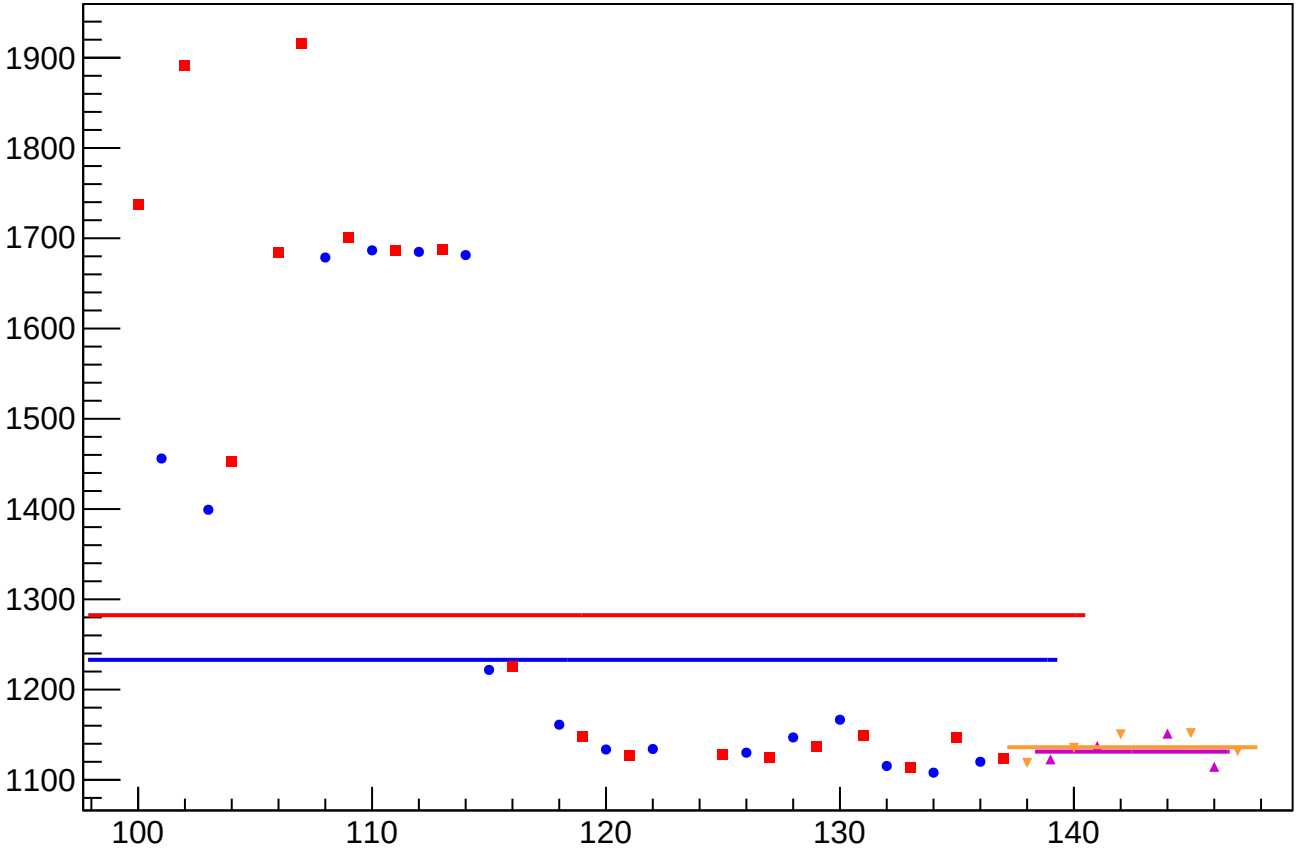
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 51.383+/-367.069 χ^2/NDF:11.6/19

Out: 127.119+/-374.313 χ^2/NDF:30.8/22

All: 88.511+/-262.081 χ^2/NDF: 42.5/42

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1136.145+/-0.418 χ^2/NDF:830.3/4

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1131.255+/-0.426 χ^2/NDF:1100.5/3

Left: 1133.745+/-0.298 χ^2/NDF: 1998.0/8

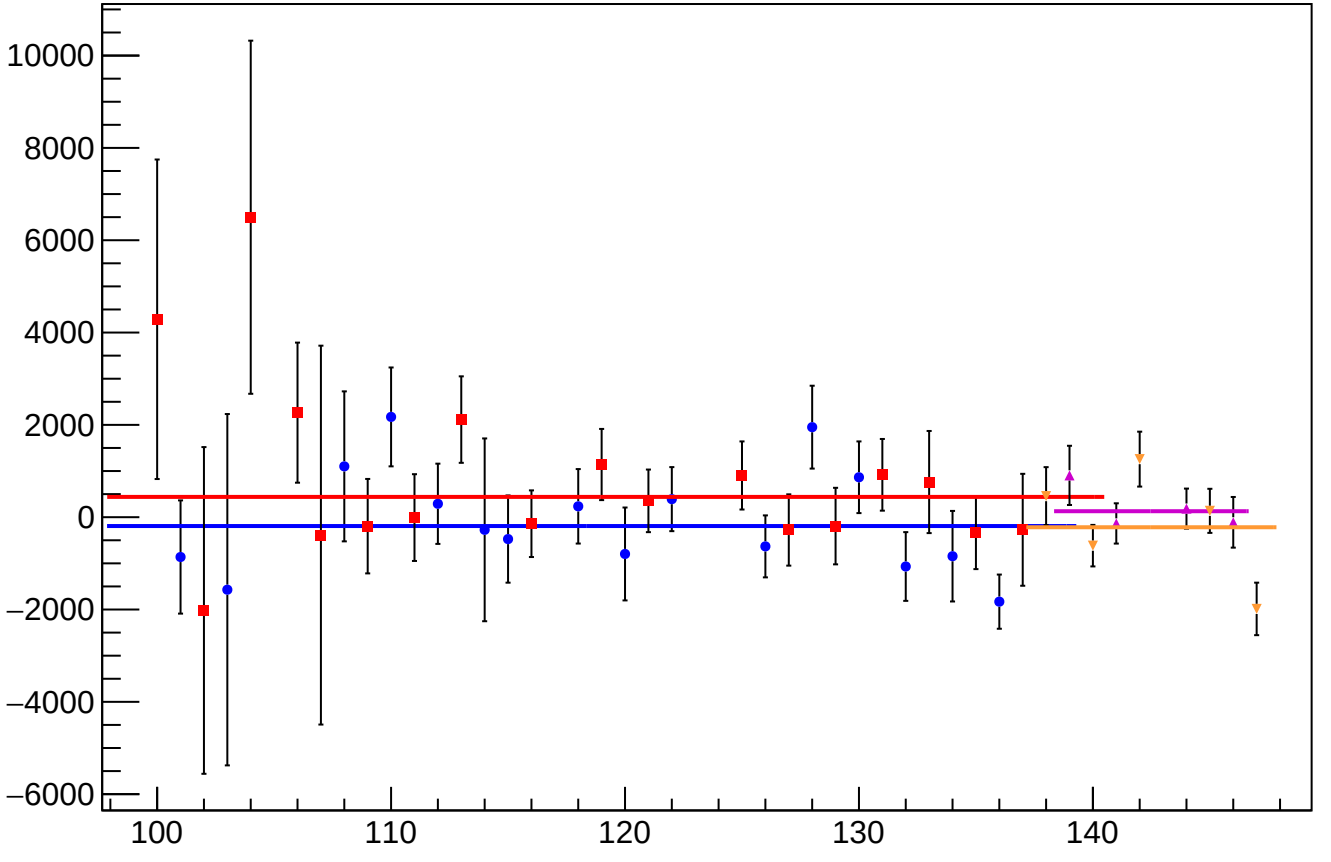
Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1195.124+/-0.260 χ^2/NDF:352445.3/19

Out: 1223.684+/-0.265 χ^2/NDF:617612.6/22

All: 1209.125+/-0.185 χ^2/NDF: 975993.2/42

asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -217.870+/-237.115 χ^2/NDF:18.3/4

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 129.554+/-247.532 χ^2/NDF:2.0/3

Left: -51.622+/-171.230 χ^2/NDF: 21.4/8

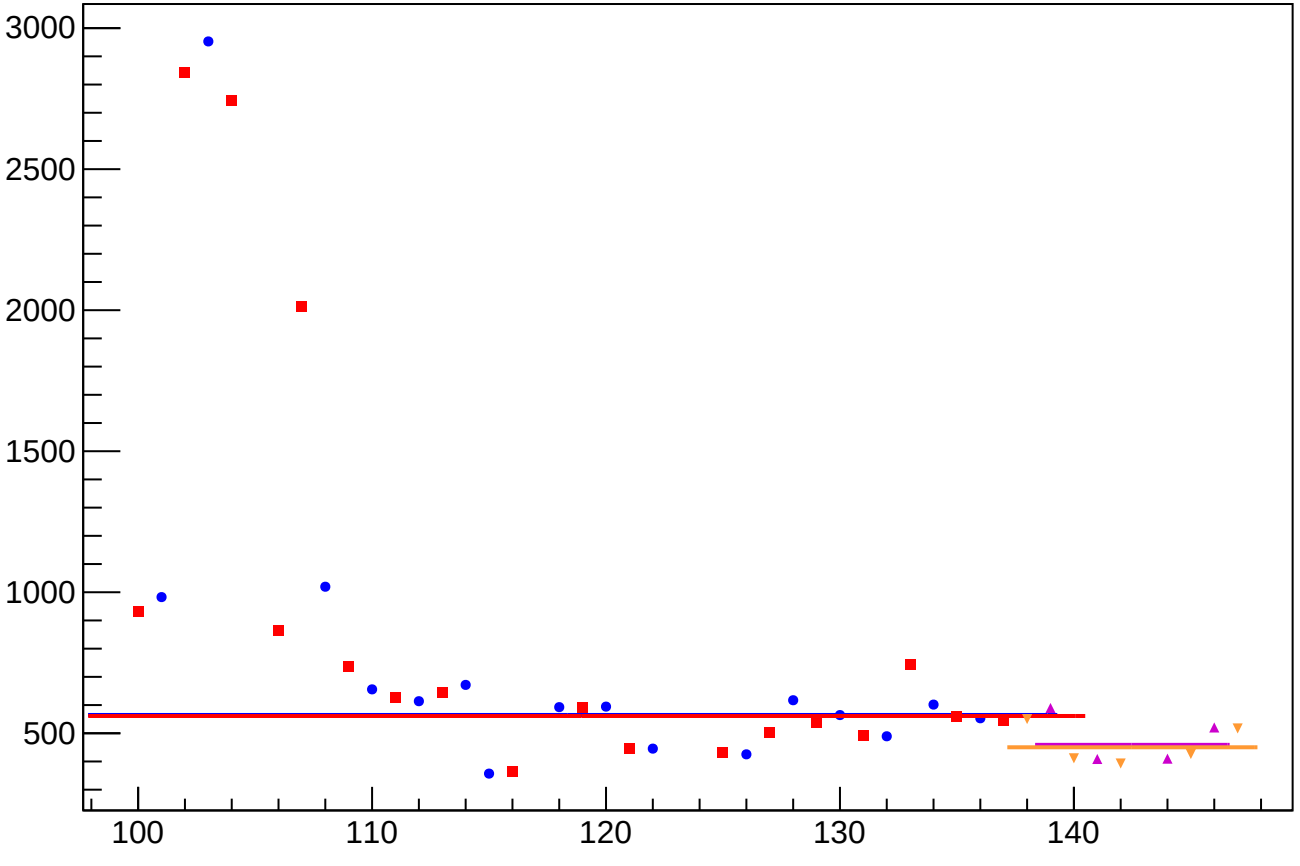
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -47.850+/-165.584 χ^2/NDF:28.3/19

Out: 125.771+/-163.822 χ^2/NDF:37.0/22

All: 39.889+/-116.458 χ^2/NDF: 65.8/42

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 450.308+/-0.168 χ^2/NDF:117204.5/4

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 458.934+/-0.175 χ^2/NDF:160071.3/3

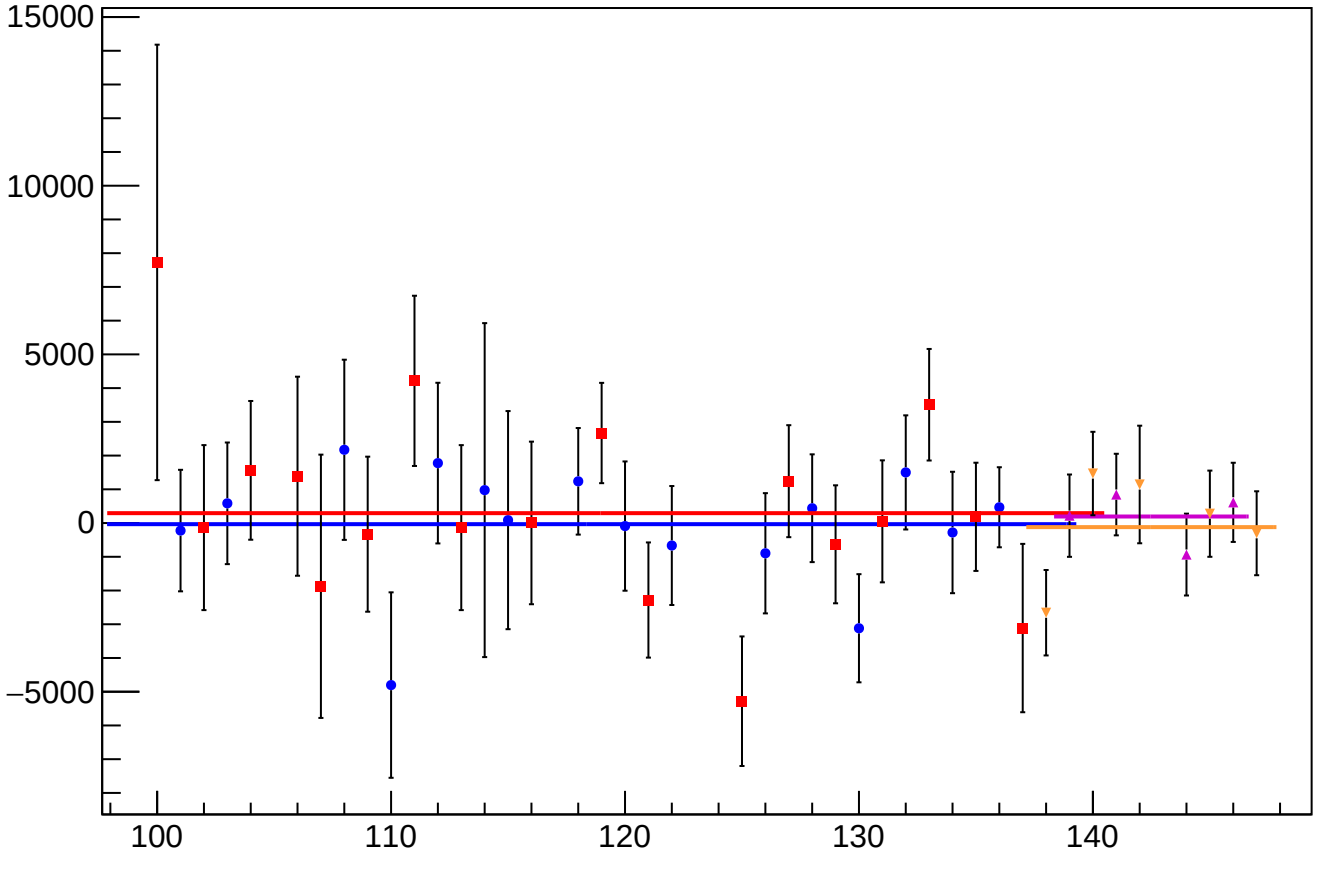
Left: 454.436+/-0.121 χ^2/NDF: 278542.5/8

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 517.466+/-0.117 χ^2/NDF:1842845.6/19

Out: 508.305+/-0.116 χ^2/NDF:2619509.3/22

All: 512.837+/-0.082 χ^2/NDF: 4465448.5/42



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -120.737+/-590.741 χ^2/NDF:6.3/4

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 193.914+/-601.799 χ^2/NDF:1.3/3

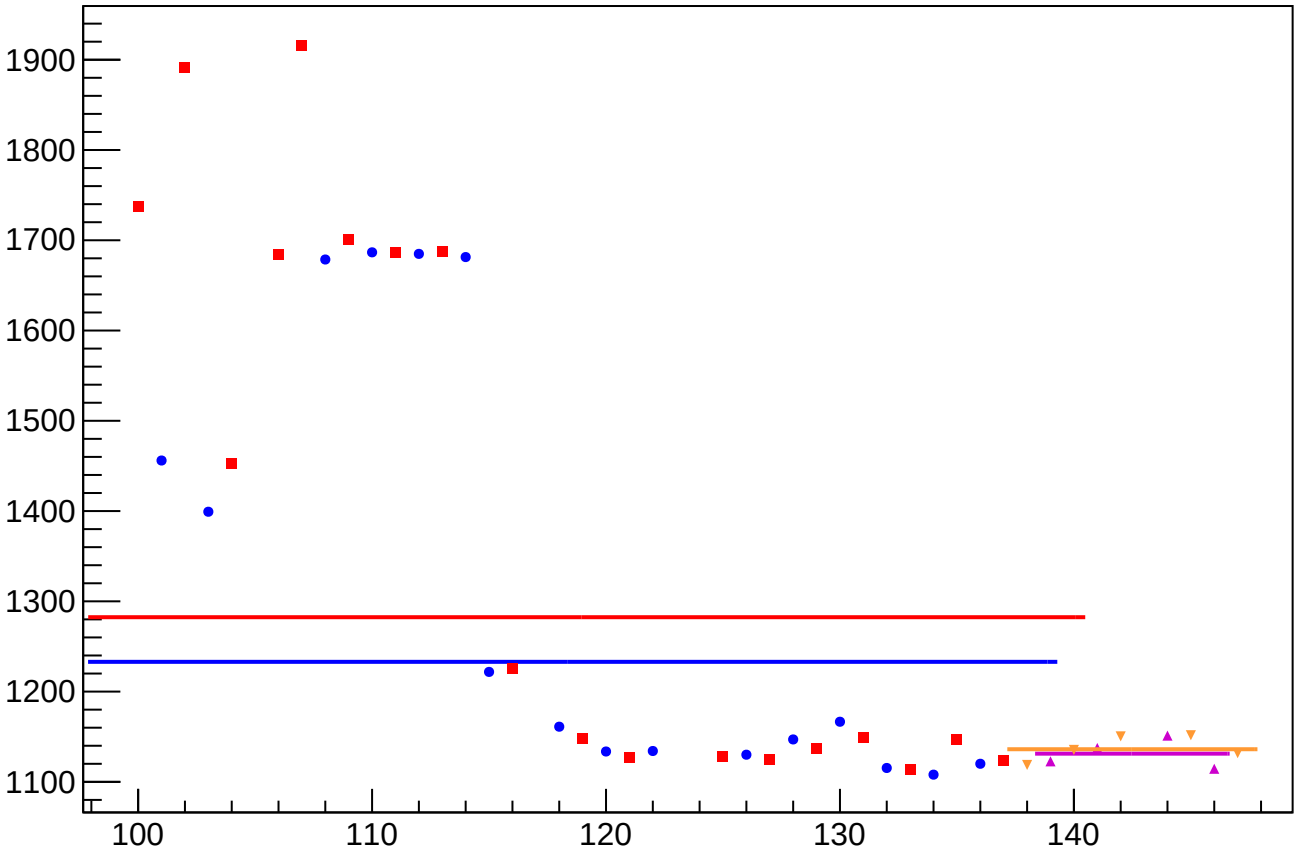
Left: 33.671+/-421.572 χ^2/NDF: 7.7/8

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 51.383+/-367.069 χ^2/NDF:11.6/19

Out: 127.118+/-374.313 χ^2/NDF:30.8/22

All: 88.511+/-262.081 χ^2/NDF: 42.5/42



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1136.145+/-0.418 χ^2/NDF:830.3/4

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.255+/-0.426 χ^2/NDF:1100.5/3

Left: 1133.745+/-0.298 χ^2/NDF: 1998.0/8

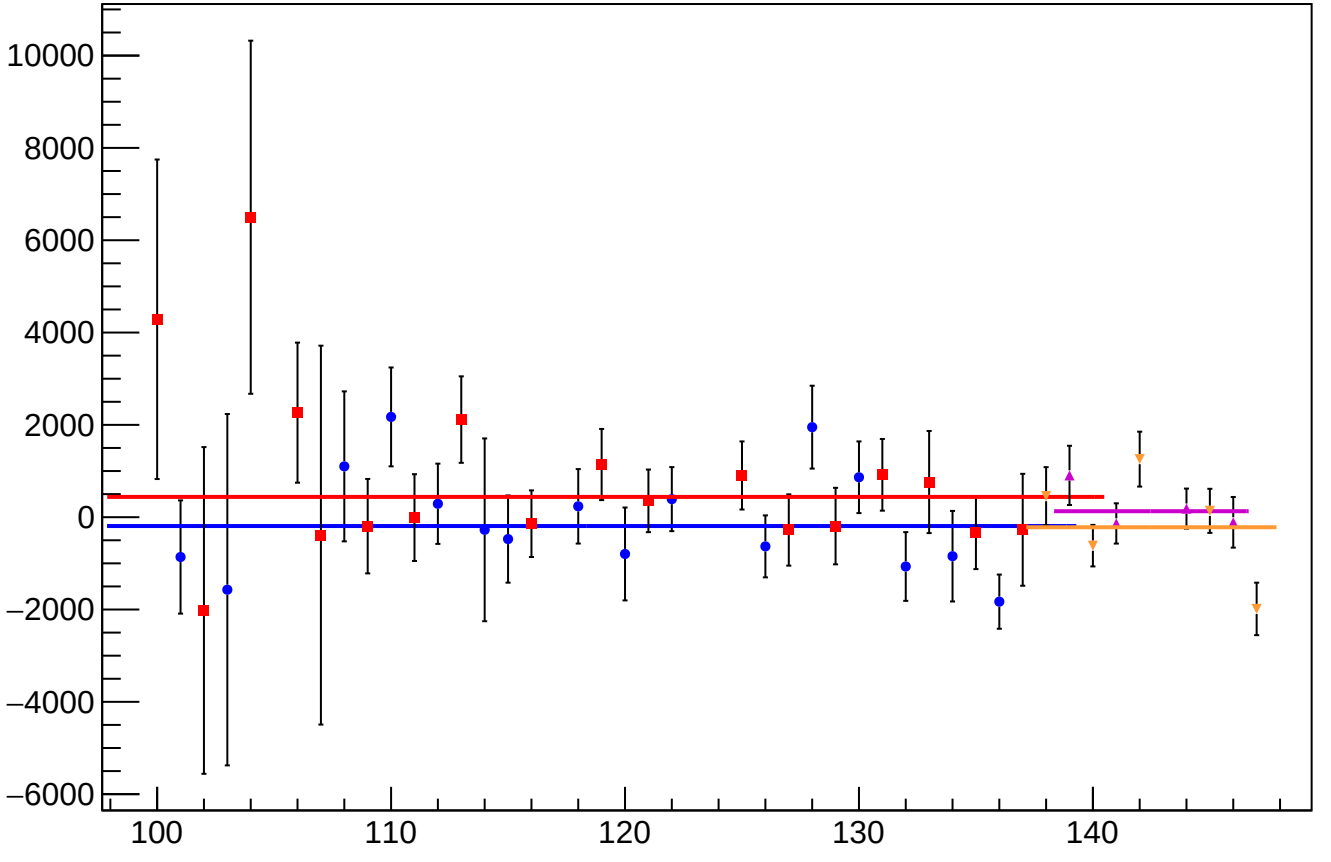
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1195.124+/-0.260 χ^2/NDF:352444.9/19

Out: 1223.684+/-0.265 χ^2/NDF:617612.0/22

All: 1209.125+/-0.185 χ^2/NDF: 975992.1/42

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -217.868+/-237.115 χ^2/NDF:18.3/4

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 129.554+/-247.531 χ^2/NDF:2.0/3

Left: -51.621+/-171.230 χ^2/NDF: 21.4/8

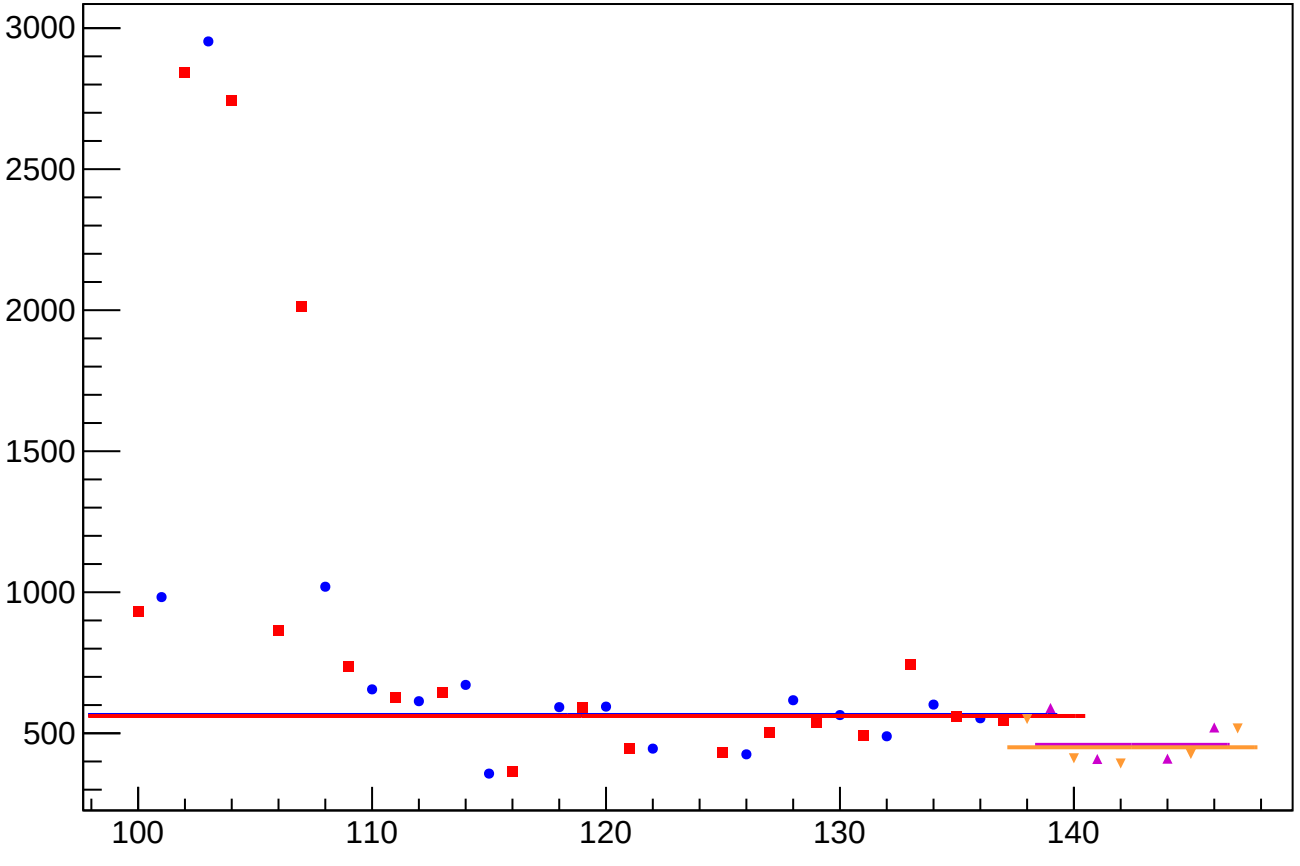
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -47.850+/-165.584 χ^2/NDF:28.3/19

Out: 125.772+/-163.822 χ^2/NDF:37.0/22

All: 39.890+/-116.457 χ^2/NDF: 65.8/42

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: 450.306+/-0.168 χ^2/NDF:117211.4/4

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 458.933+/-0.175 χ^2/NDF:160076.3/3

Left: 454.434+/-0.121 χ^2/NDF: 278554.5/8

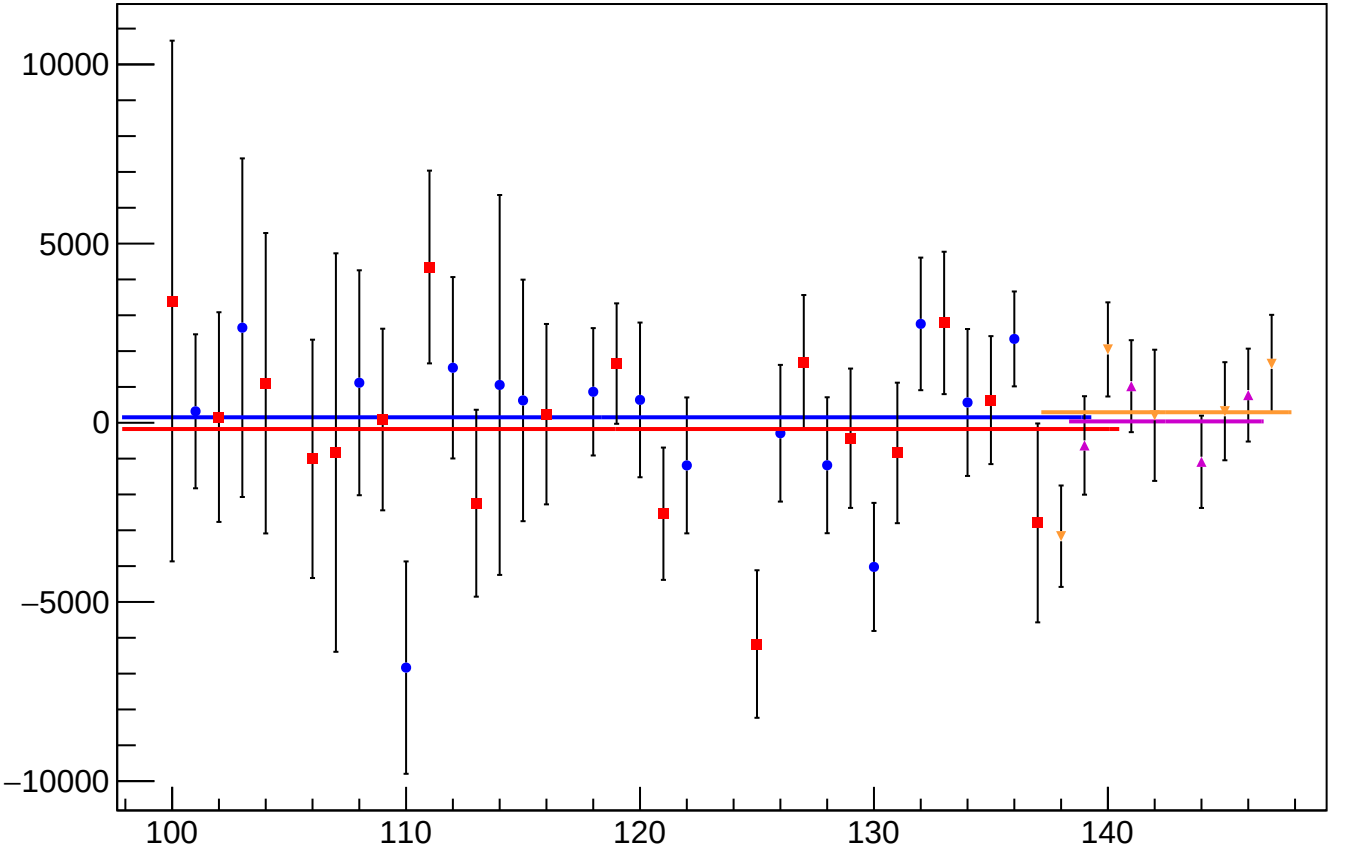
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 517.466+/-0.117 χ^2/NDF:1842852.8/19

Out: 508.304+/-0.116 χ^2/NDF:2619522.9/22

All: 512.836+/-0.082 χ^2/NDF: 4465469.5/42

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 294.149+/-639.375 χ^2/NDF:8.7/4

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: 38.218+/-654.486 χ^2/NDF:1.9/3

Left: 169.172+/-457.356 χ^2/NDF: 10.7/8

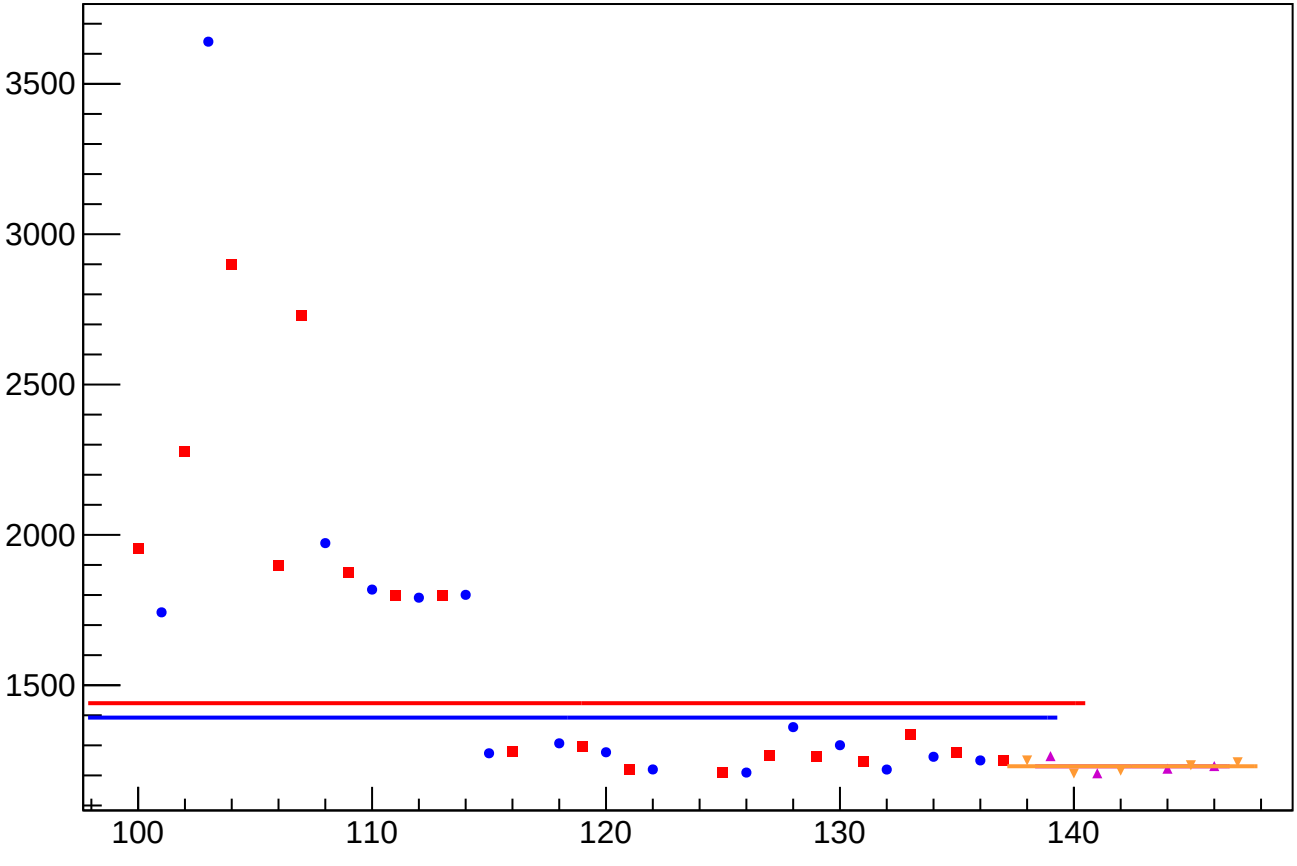
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 107.549+/-412.867 χ^2/NDF:19.7/19

Out: 24.974+/-417.024 χ^2/NDF:28.7/22

All: 66.675+/-293.400 χ^2/NDF: 48.4/42

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1230.476+/-0.452 χ^2/NDF:1371.0/4

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1230.183+/-0.463 χ^2/NDF:1942.4/3

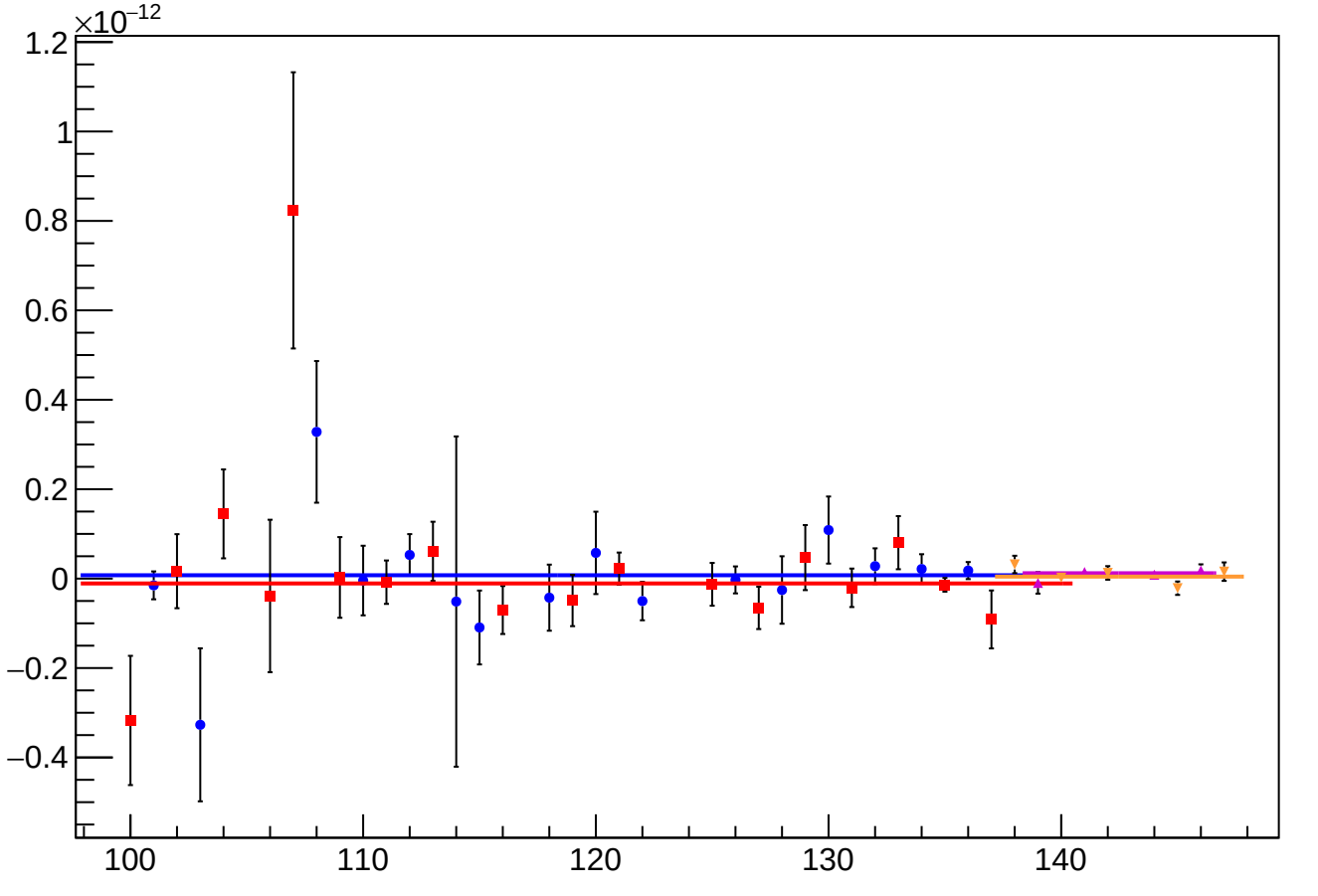
Left: 1230.333+/-0.323 χ^2/NDF: 3313.6/8

Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1327.786+/-0.292 χ^2/NDF:855062.1/19

Out: 1350.993+/-0.295 χ^2/NDF:979926.7/22

All: 1339.273+/-0.207 χ^2/NDF: 1838116.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:1.2/3

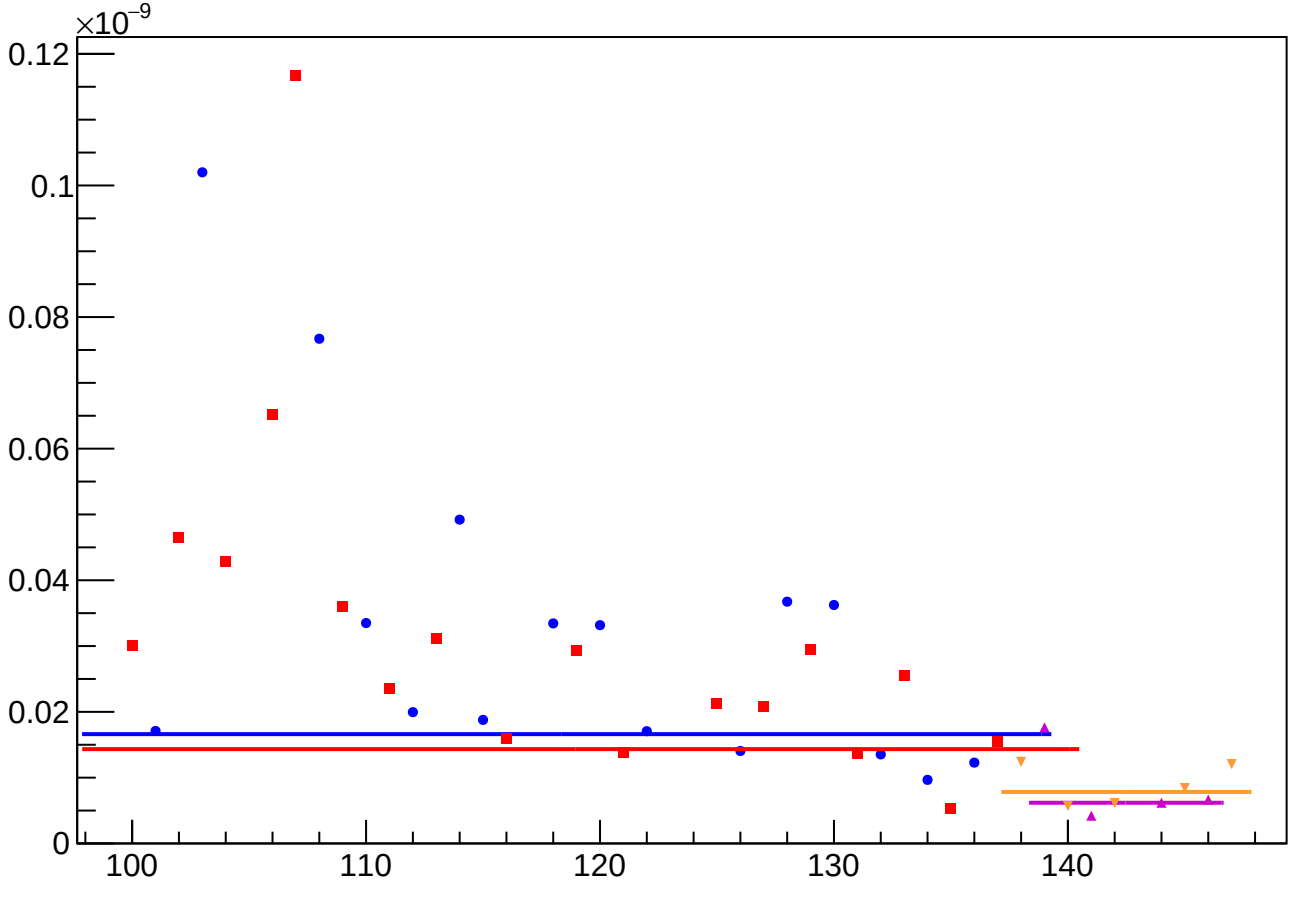
Left: 0.000+/-0.000 χ^2/NDF: 7.4/8

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:18.2/19

Out: 0.000+/-0.000 χ^2/NDF:31.1/22

All: 0.000+/-0.000 χ^2/NDF: 51.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:296259.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:546560.2/3

Left: 0.000+/-0.000 χ^2/NDF: 907976.7/8

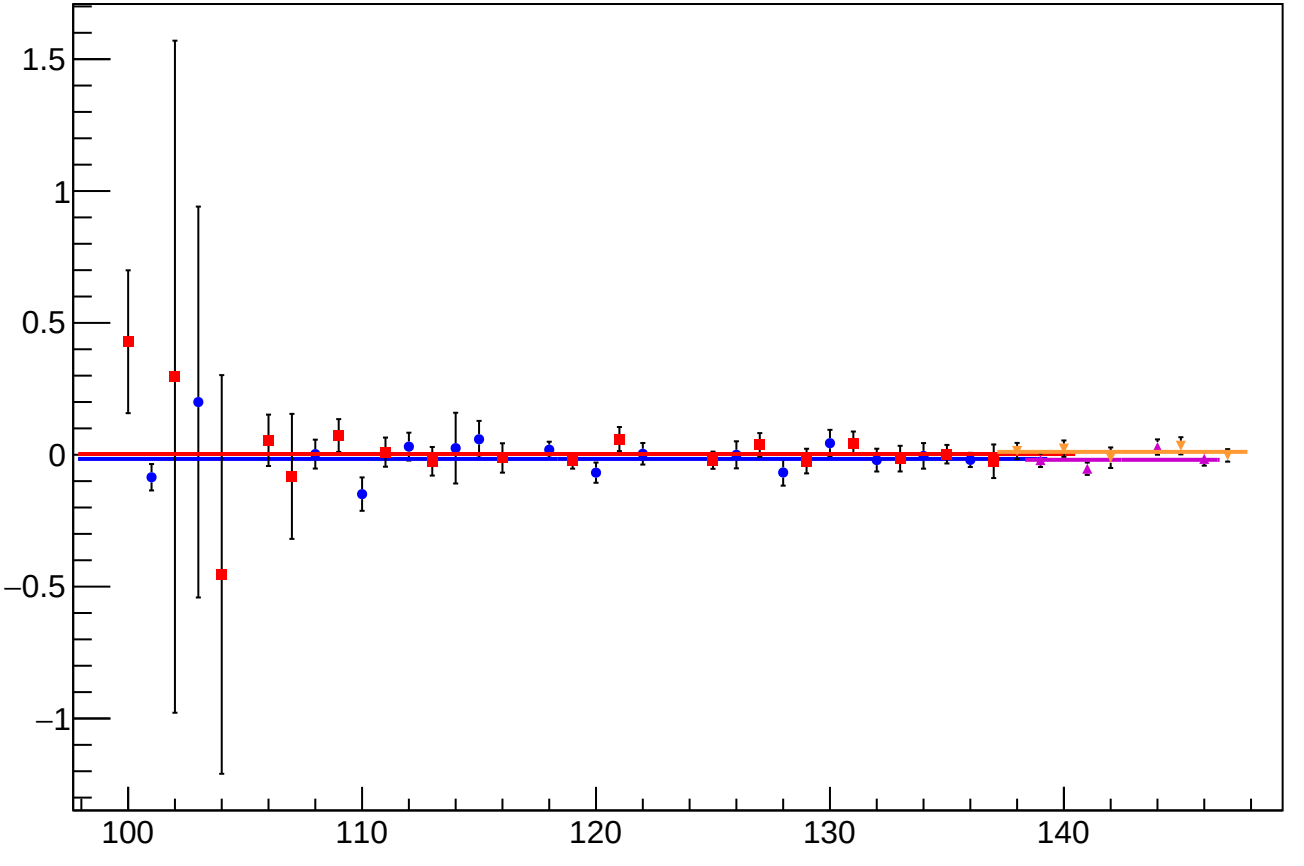
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3522615.3/19

Out: 0.000+/-0.000 χ^2/NDF:3090569.0/22

All: 0.000+/-0.000 χ^2/NDF: 6649045.9/42

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: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.019+/-0.013 χ^2/NDF:4.8/3

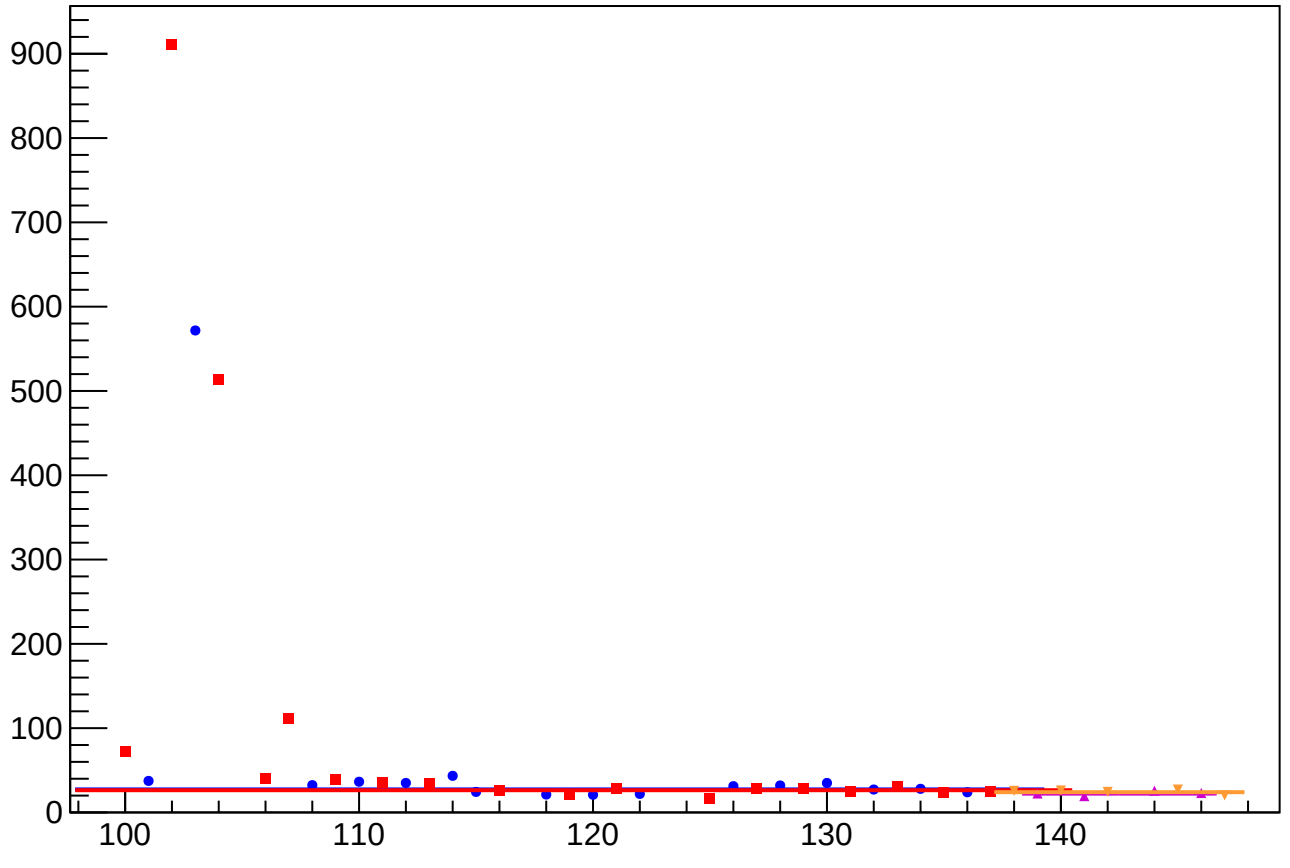
Left: -0.005+/-0.009 χ^2/NDF: 8.7/8

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.017+/-0.009 χ^2/NDF:19.5/19

Out: 0.006+/-0.009 χ^2/NDF:11.4/22

All: -0.006+/-0.006 χ^2/NDF: 34.5/42



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 24.049+/-0.010 χ^2/NDF:84420.8/4

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62193.9/3

Left: 23.166+/-0.007 χ^2/NDF: 163082.4/8

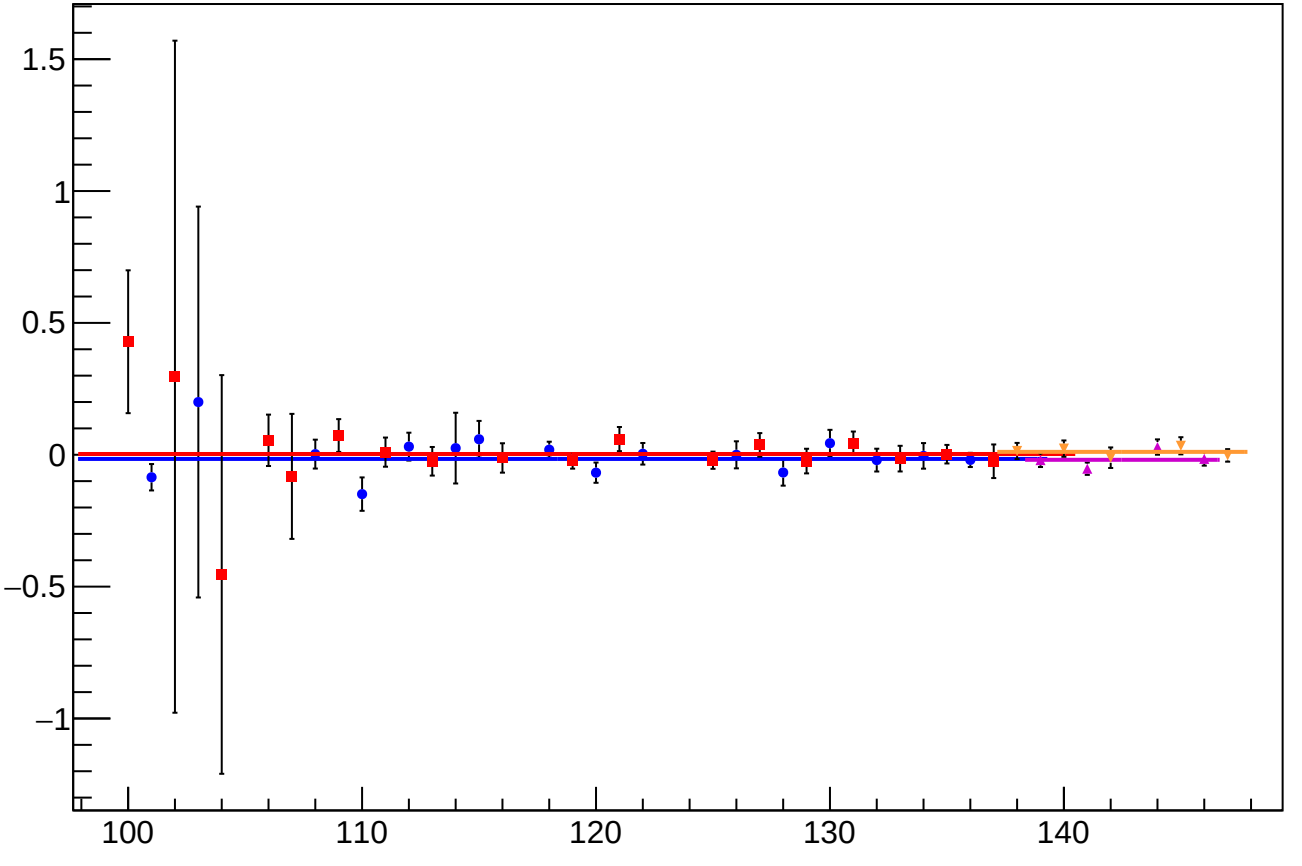
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.111+/-0.006 χ^2/NDF:1793207.2/19

Out: 25.360+/-0.006 χ^2/NDF:2732930.7/22

All: 25.231+/-0.004 χ^2/NDF: 4526938.6/42

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: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.019+/-0.013 χ^2/NDF:4.8/3

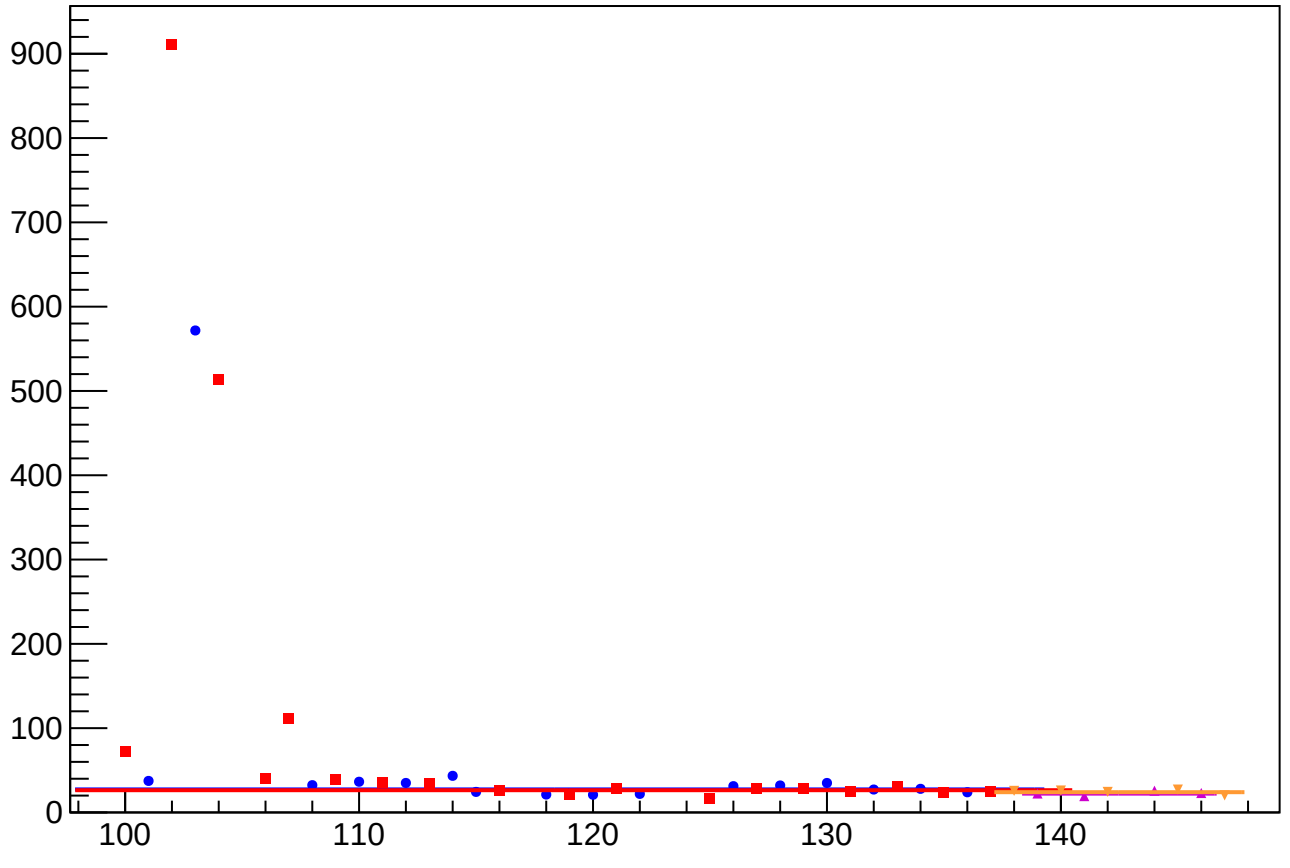
Left: -0.005+/-0.009 χ^2/NDF: 8.7/8

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.017+/-0.009 χ^2/NDF:19.5/19

Out: 0.006+/-0.009 χ^2/NDF:11.4/22

All: -0.006+/-0.006 χ^2/NDF: 34.5/42



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 24.049+/-0.010 χ^2/NDF:84420.8/4

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62193.9/3

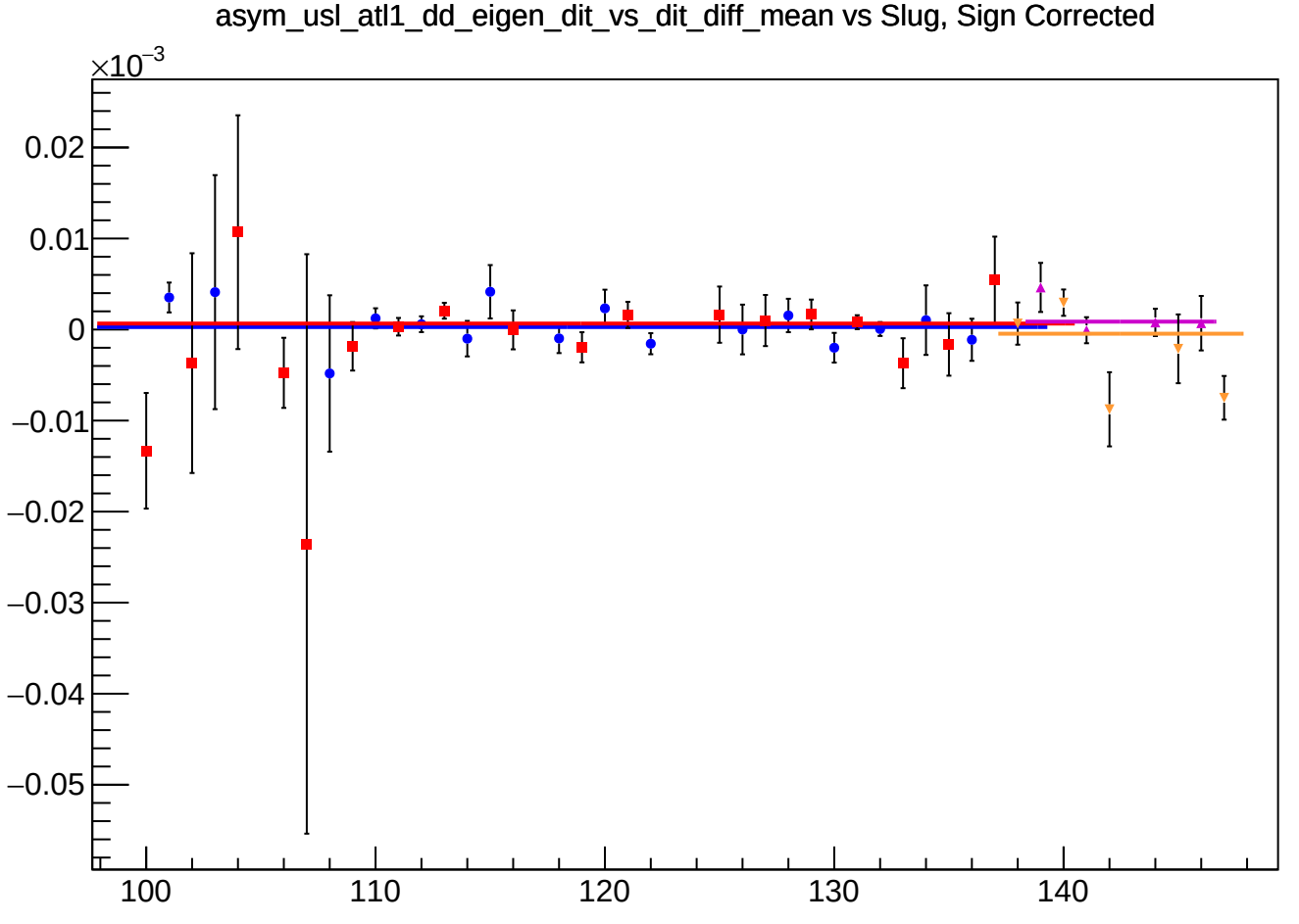
Left: 23.166+/-0.007 χ^2/NDF: 163082.4/8

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 25.111+/-0.006 χ^2/NDF:1793207.2/19

Out: 25.360+/-0.006 χ^2/NDF:2732930.7/22

All: 25.231+/-0.004 χ^2/NDF: 4526938.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

Left: 0.000+/-0.000 χ^2/NDF: 22.1/8

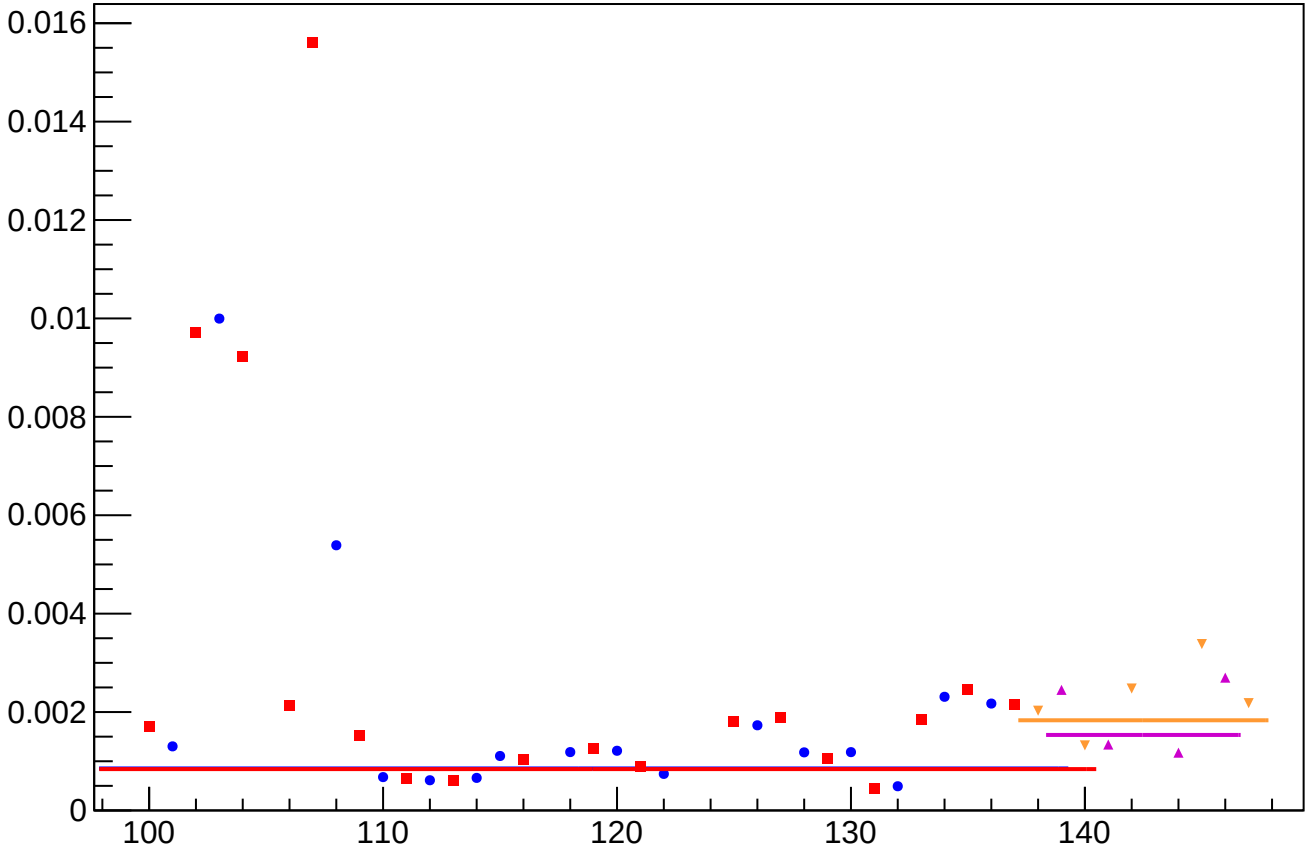
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:17.2/19

Out: 0.000+/-0.000 χ^2/NDF:39.1/22

All: 0.000+/-0.000 χ^2/NDF: 56.3/42

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:691734.4/4

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:686313.9/3

Left: 0.002+/-0.000 χ^2/NDF: 1472646.1/8

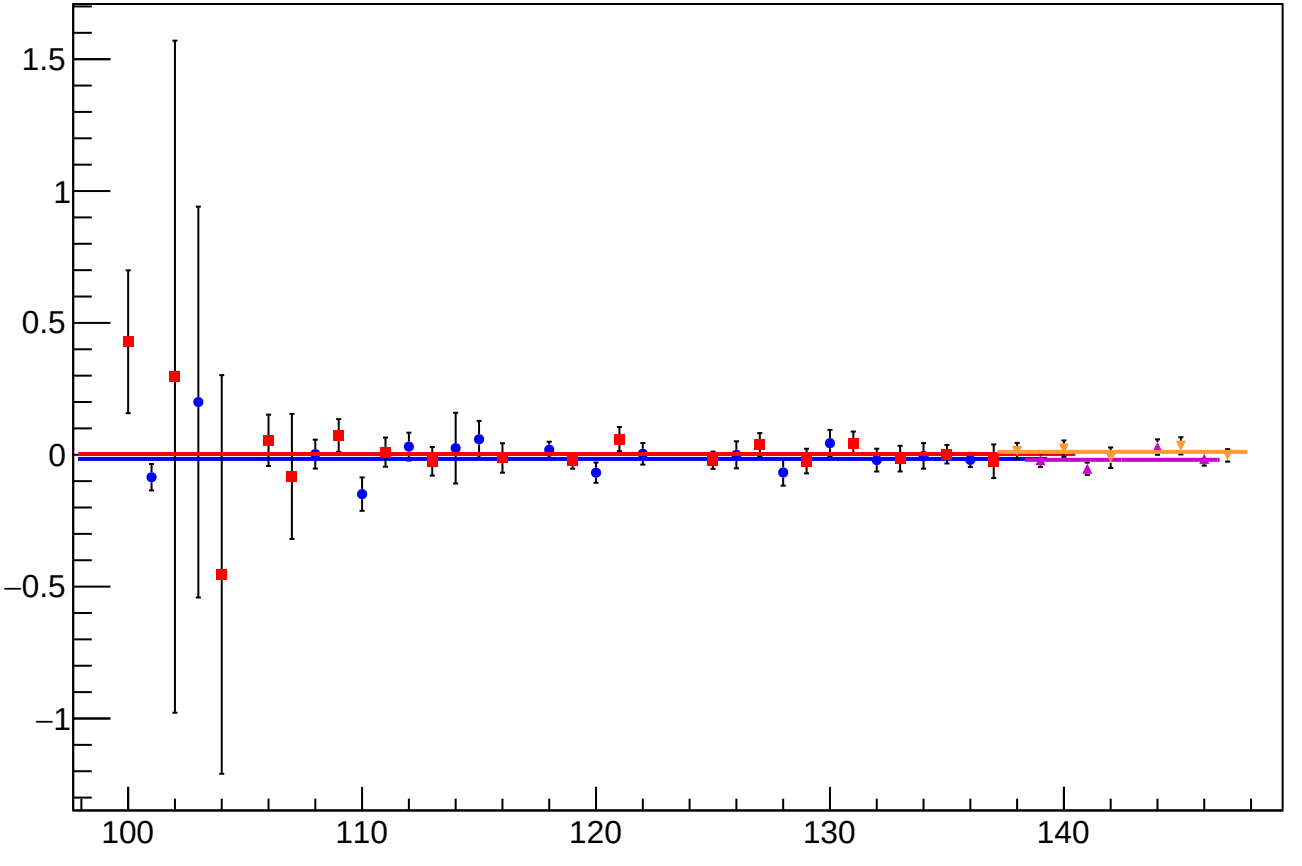
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:5491848.9/19

Out: 0.001+/-0.000 χ^2/NDF:7382680.7/22

All: 0.001+/-0.000 χ^2/NDF: 12878258.6/42

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: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.019+/-0.013 χ^2/NDF:4.8/3

Left: -0.005+/-0.009 χ^2/NDF: 8.7/8

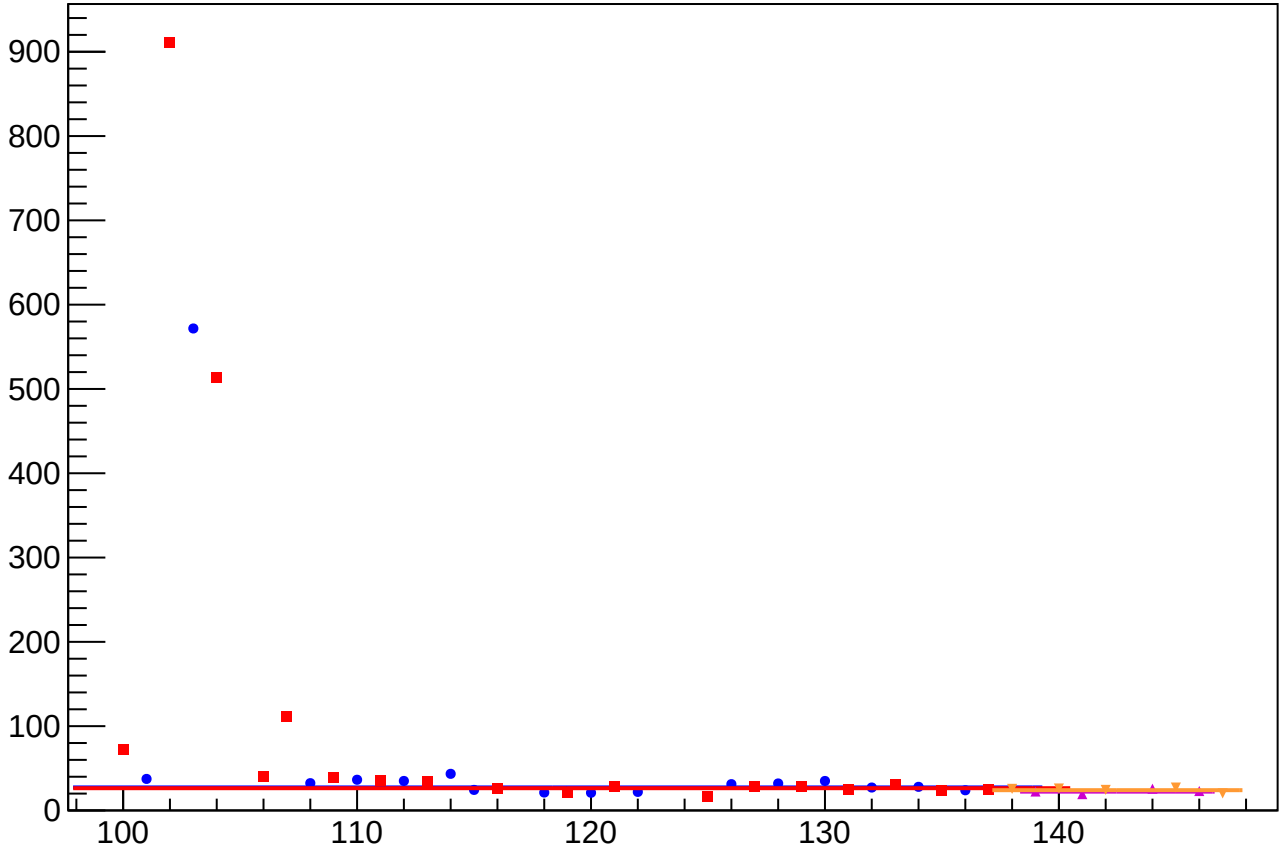
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.017+/-0.009 χ^2/NDF:19.5/19

Out: 0.006+/-0.009 χ^2/NDF:11.4/22

All: -0.006+/-0.006 χ^2/NDF: 34.5/42

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: 24.049+/-0.010 χ^2/NDF:84400.6/4

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62206.5/3

Left: 23.166+/-0.007 χ^2/NDF: 163080.2/8

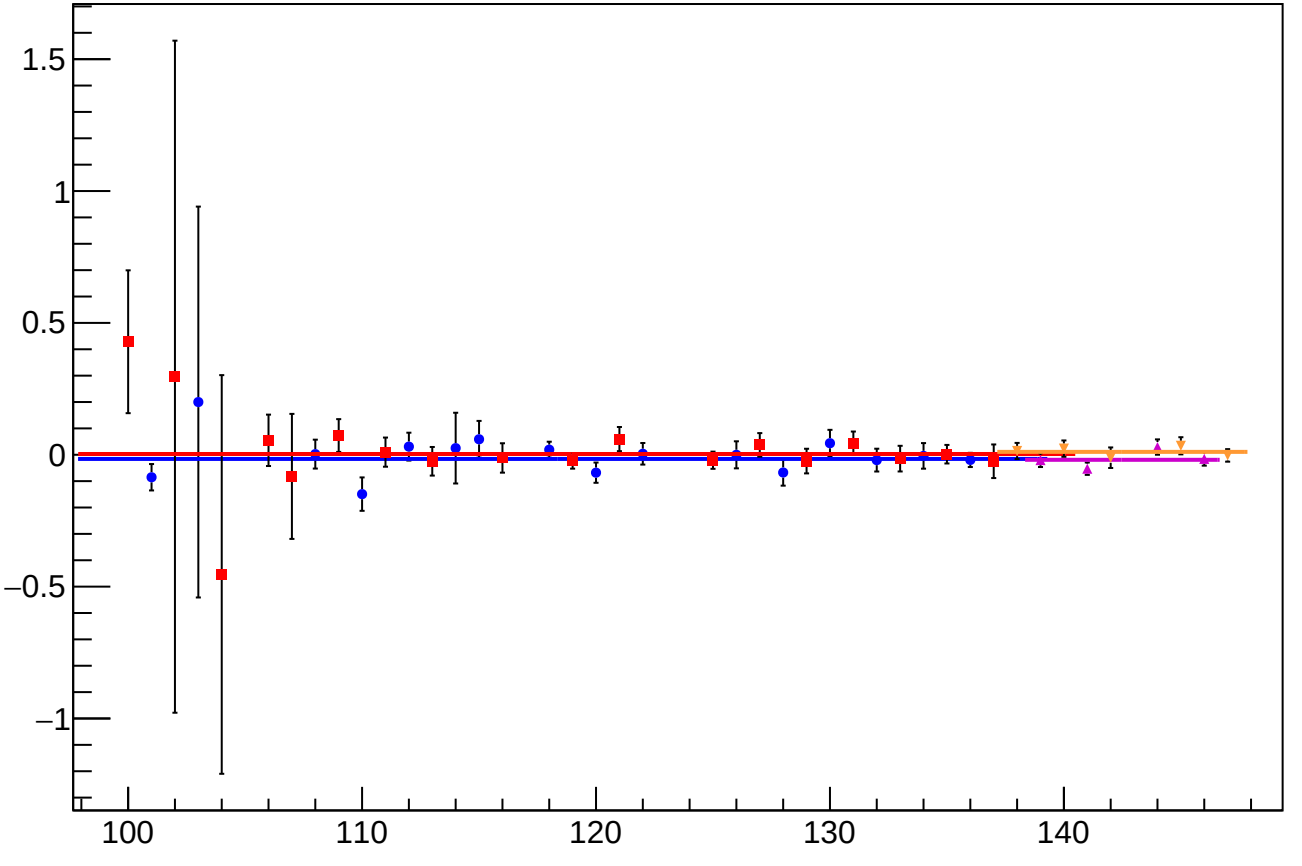
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.111+/-0.006 χ^2/NDF:1793238.2/19

Out: 25.360+/-0.006 χ^2/NDF:2732930.6/22

All: 25.231+/-0.004 χ^2/NDF: 4526970.4/42

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: 0.011+/-0.014 χ^2/NDF:1.3/4

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.019+/-0.013 χ^2/NDF:4.8/3

Left: -0.005+/-0.009 χ^2/NDF: 8.7/8

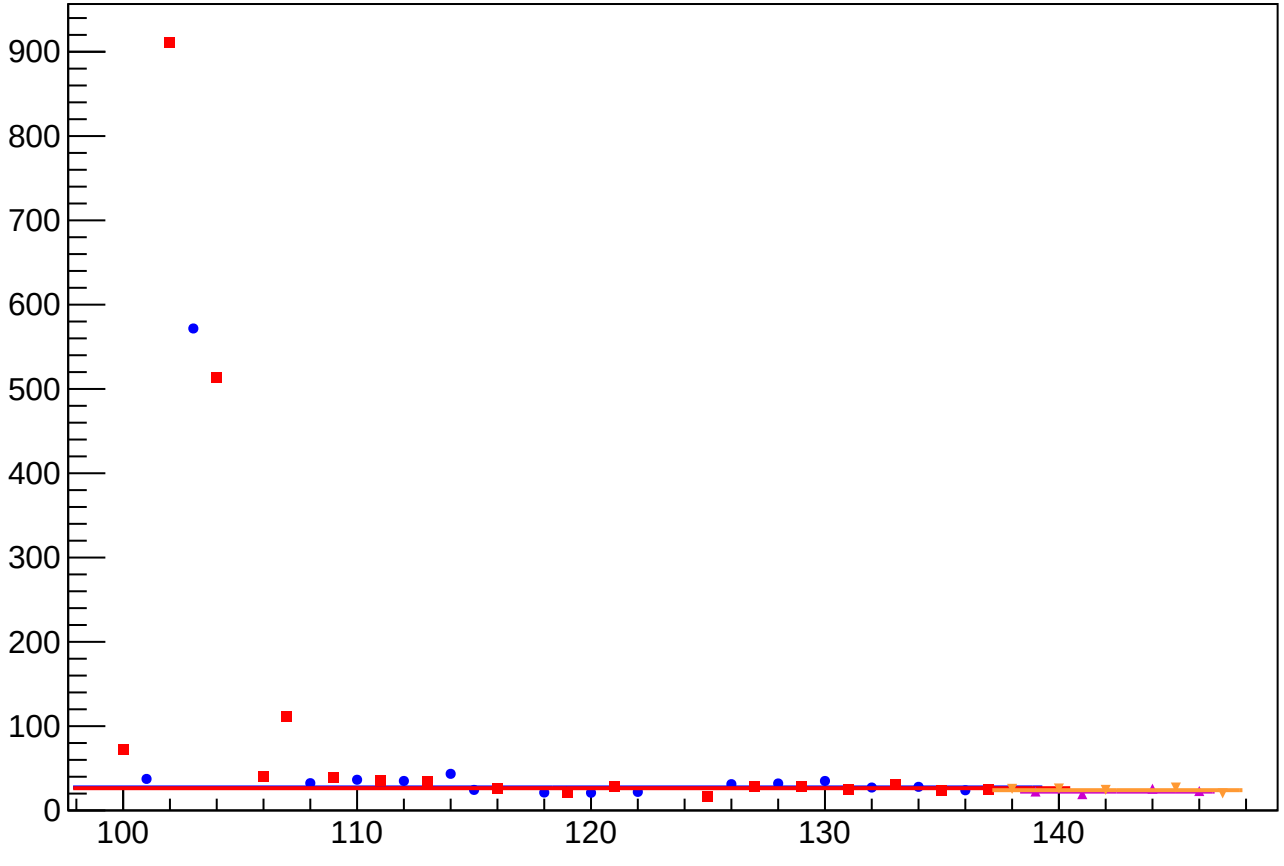
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.017+/-0.009 χ^2/NDF:19.5/19

Out: 0.006+/-0.009 χ^2/NDF:11.4/22

All: -0.006+/-0.006 χ^2/NDF: 34.5/42

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: 24.049+/-0.010 χ^2/NDF:84400.6/4

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 22.351+/-0.009 χ^2/NDF:62206.5/3

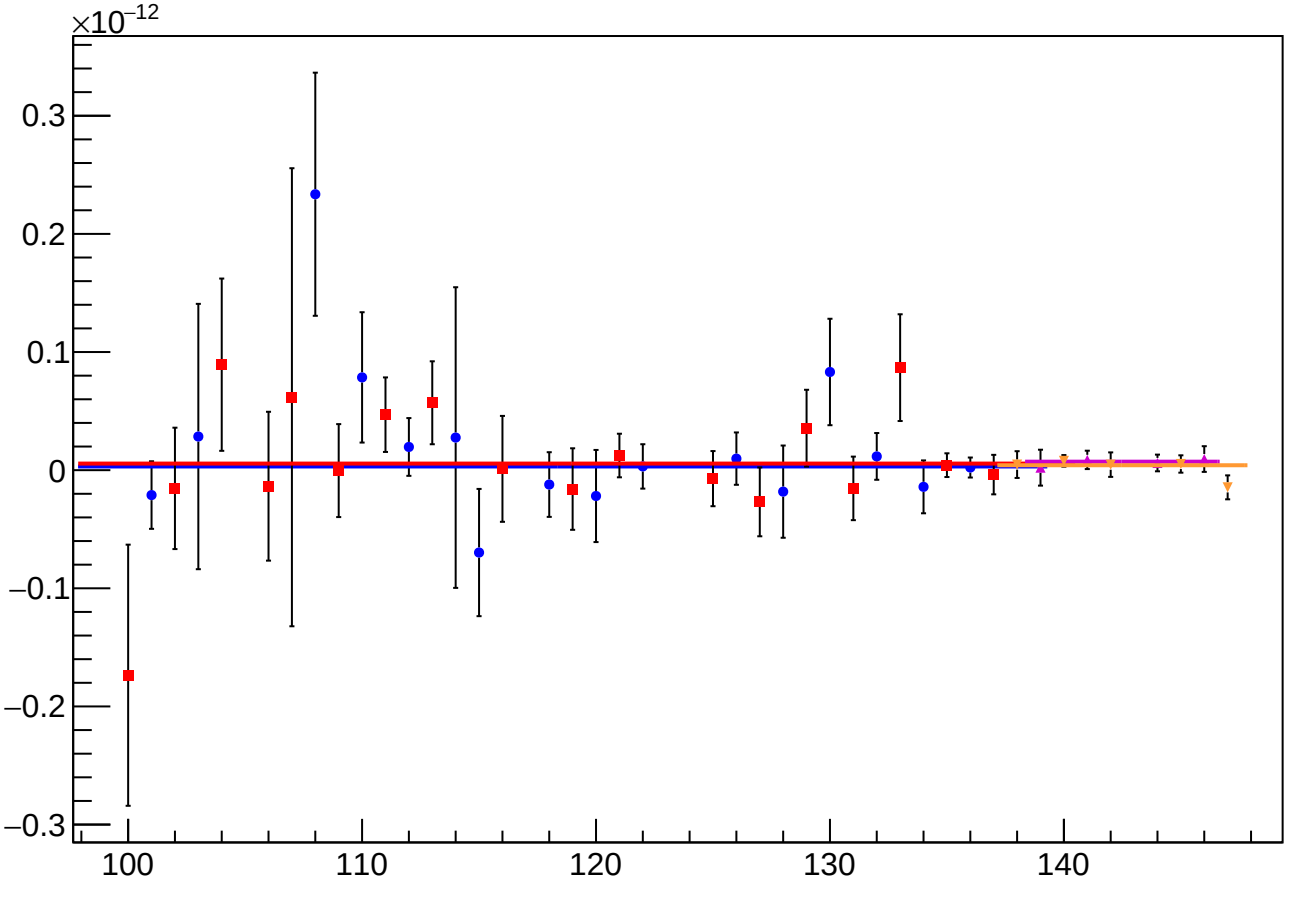
Left: 23.166+/-0.007 χ^2/NDF: 163080.2/8

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 25.111+/-0.006 χ^2/NDF:1793238.2/19

Out: 25.360+/-0.006 χ^2/NDF:2732930.6/22

All: 25.231+/-0.004 χ^2/NDF: 4526970.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:0.2/3

Left: 0.000+/-0.000 χ^2/NDF: 4.5/8

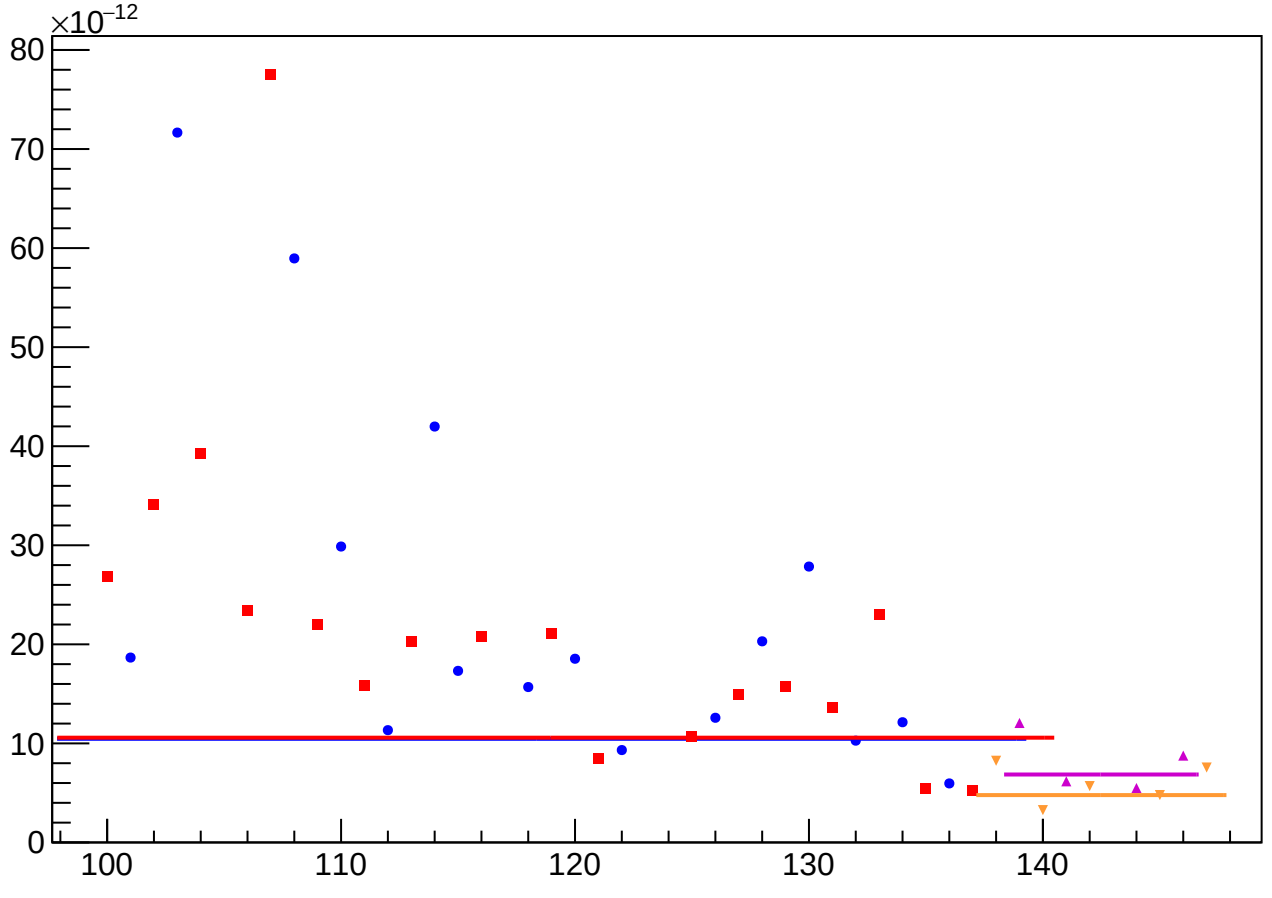
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:15.6/19

Out: 0.000+/-0.000 χ^2/NDF:19.3/22

All: 0.000+/-0.000 χ^2/NDF: 34.9/42

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:543437.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:385814.3/3

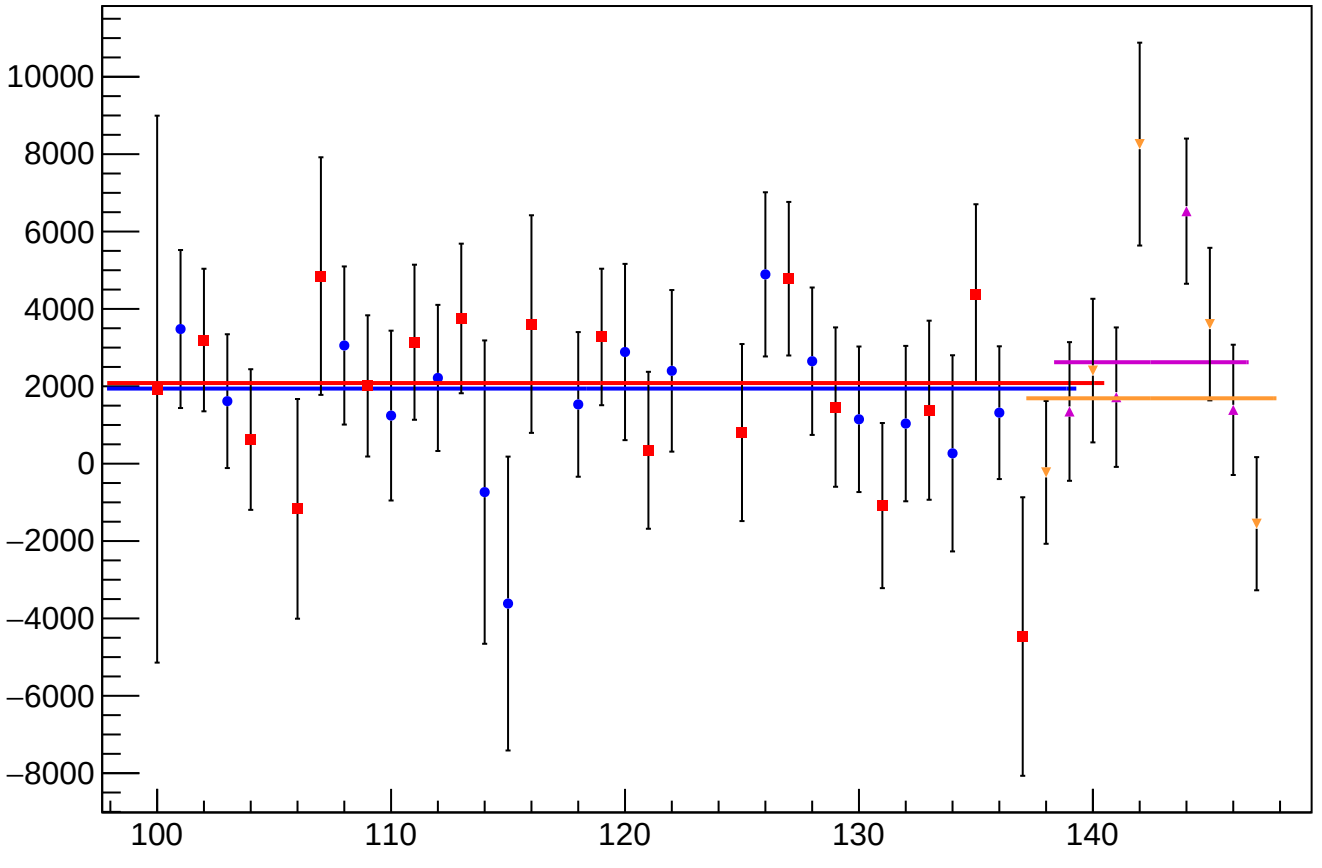
Left: 0.000+/-0.000 χ^2/NDF: 1200905.4/8

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:3668968.6/19

Out: 0.000+/-0.000 χ^2/NDF:4697641.6/22

All: 0.000+/-0.000 χ^2/NDF: 8769729.5/42



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1689.997+/-868.986 χ^2/NDF:12.0/4

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2622.252+/-892.266 χ^2/NDF:5.6/3

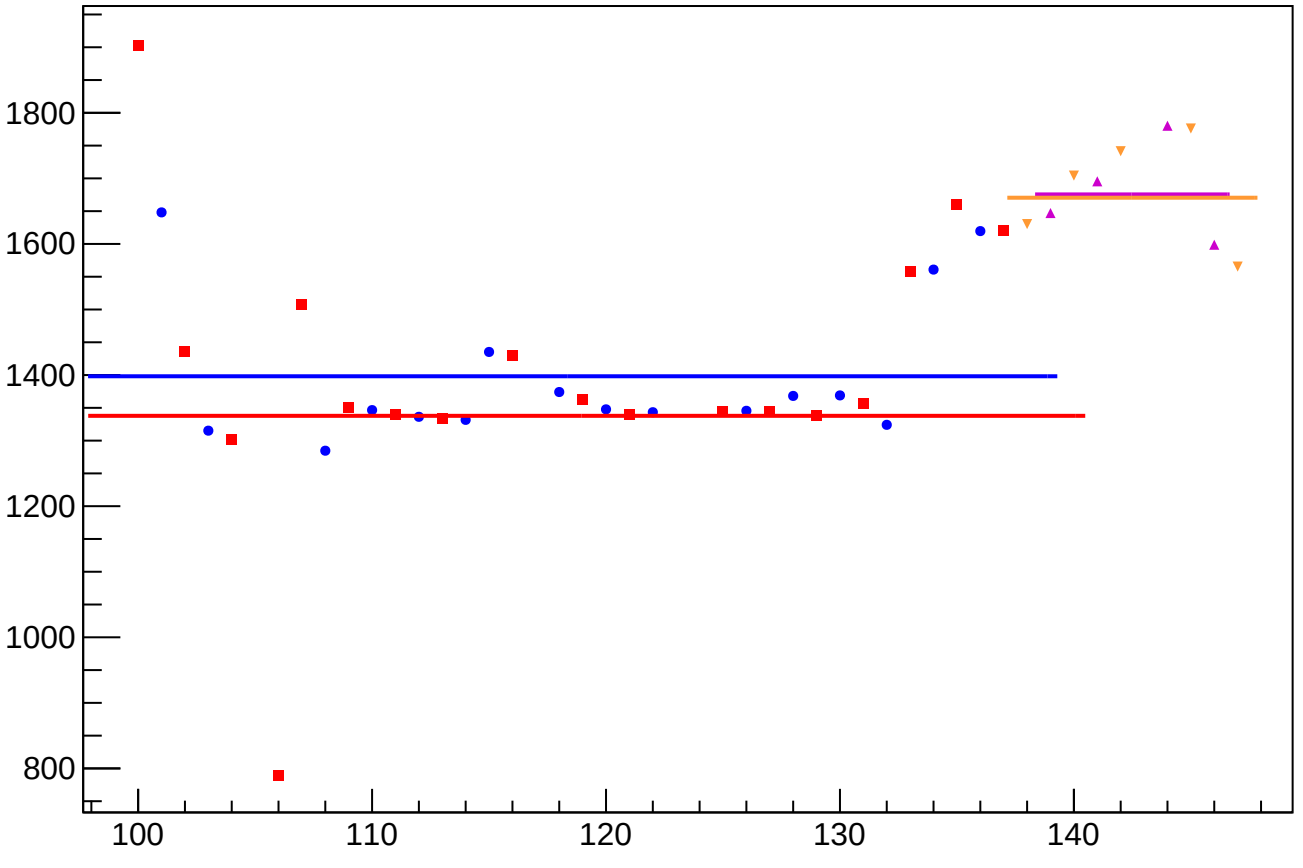
Left: 2143.804+/-622.533 χ^2/NDF: 18.2/8

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2114.778+/-450.672 χ^2/NDF:13.0/19

Out: 1980.201+/-445.948 χ^2/NDF:26.6/22

All: 2046.781+/-316.990 χ^2/NDF: 39.6/42



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1670.504+/-0.614 χ^2/NDF:16260.6/4

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

Left: 1672.956+/-0.440 χ^2/NDF: 27428.7/8

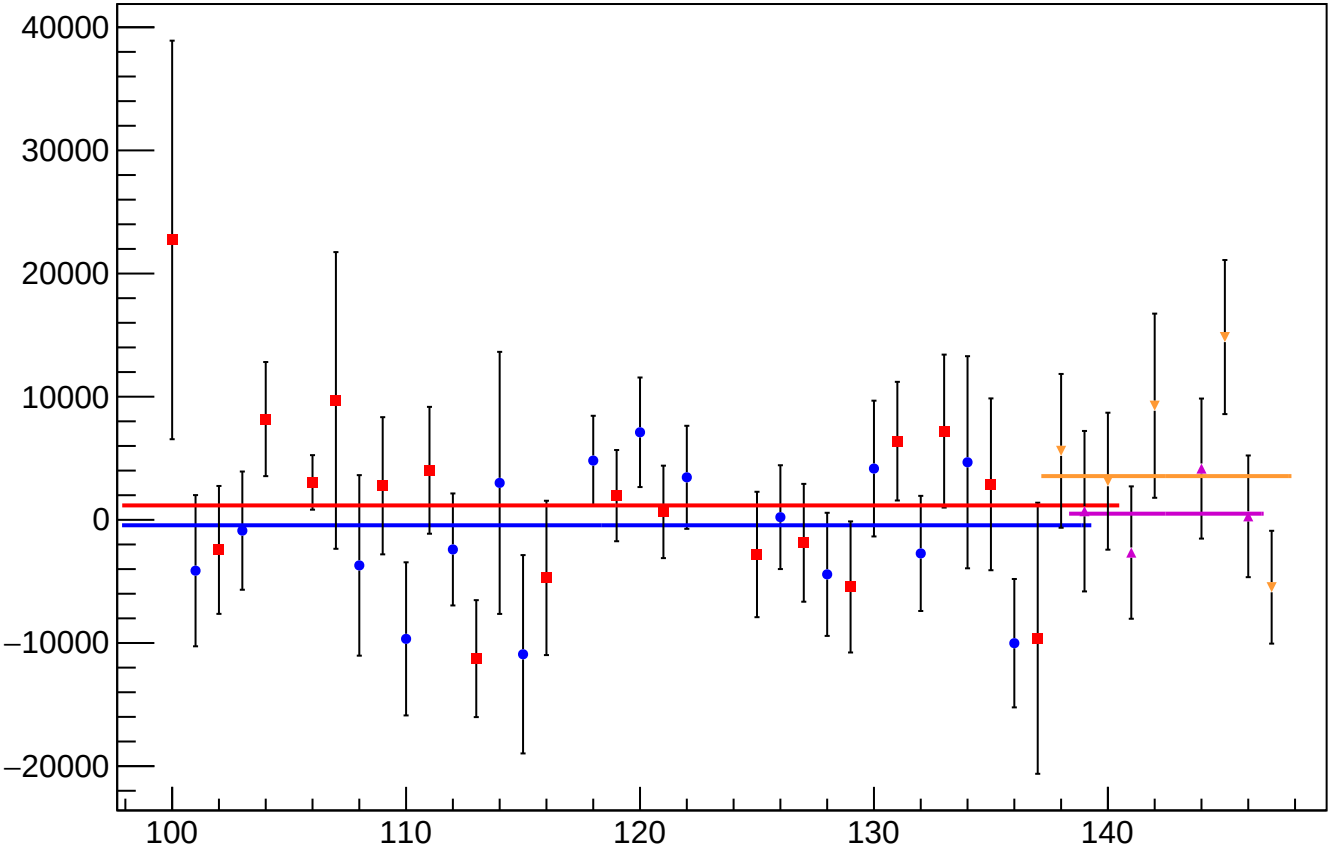
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1468.924+/-0.319 χ^2/NDF:249032.6/19

Out: 1421.393+/-0.308 χ^2/NDF:553521.7/22

All: 1444.347+/-0.221 χ^2/NDF: 814057.4/42

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: 3551.904+/-2590.076 χ^2/NDF:7.8/4

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 500.095+/-2772.993 χ^2/NDF:0.8/3

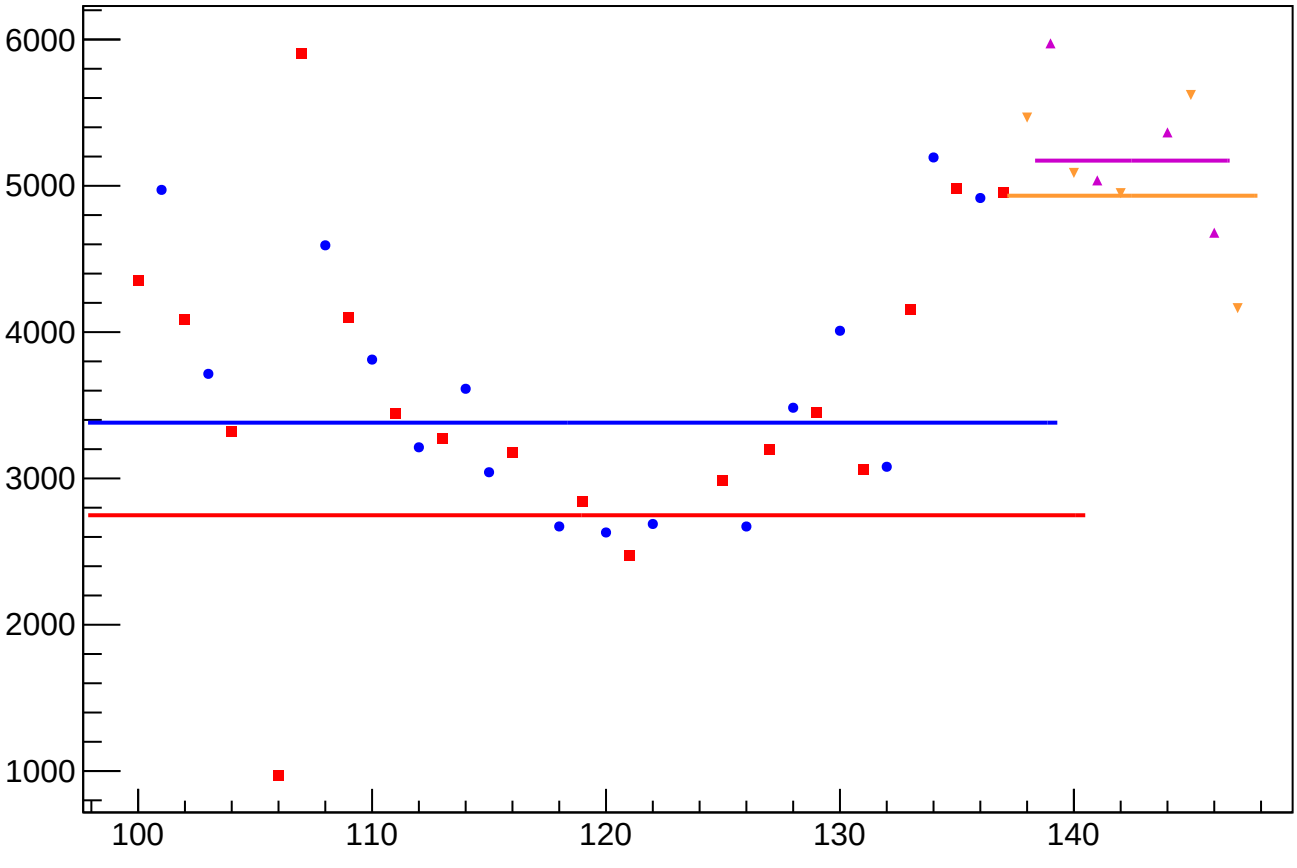
Left: 2129.966+/-1892.825 χ^2/NDF: 9.2/8

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -272.419+/-1174.037 χ^2/NDF:16.8/19

Out: 1546.465+/-1027.919 χ^2/NDF:28.2/22

All: 757.191+/-773.380 χ^2/NDF: 46.3/42



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 4932.359+/-1.831 χ^2/NDF:96720.7/4

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5172.201+/-1.961 χ^2/NDF:53716.5/3

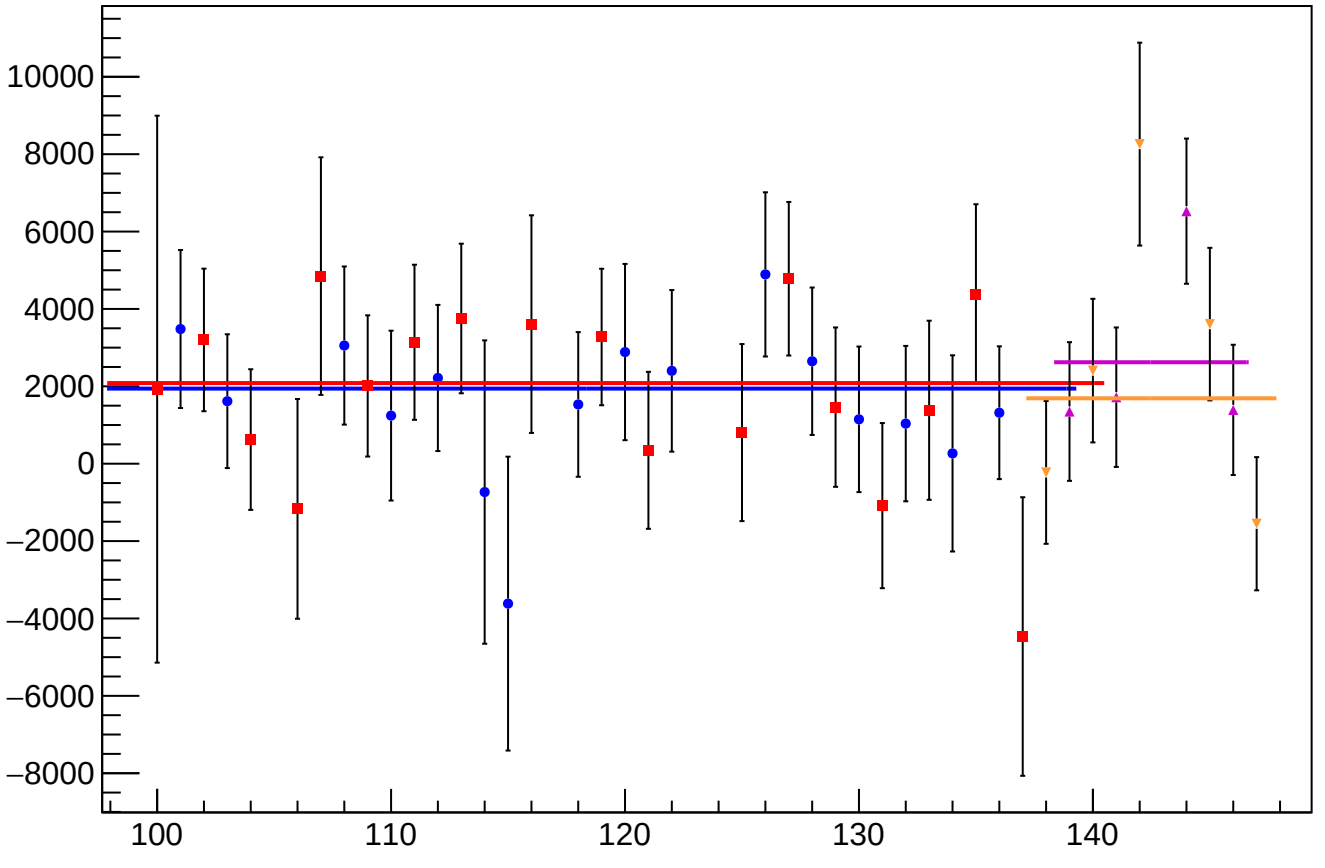
Left: 5044.109+/-1.338 χ^2/NDF: 158427.8/8

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3702.174+/-0.830 χ^2/NDF:1495679.0/19

Out: 3092.360+/-0.727 χ^2/NDF:3559328.3/22

All: 3356.978+/-0.547 χ^2/NDF: 5360449.7/42



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1690.200+/-868.986 χ^2/NDF:12.0/4

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2622.296+/-892.266 χ^2/NDF:5.6/3

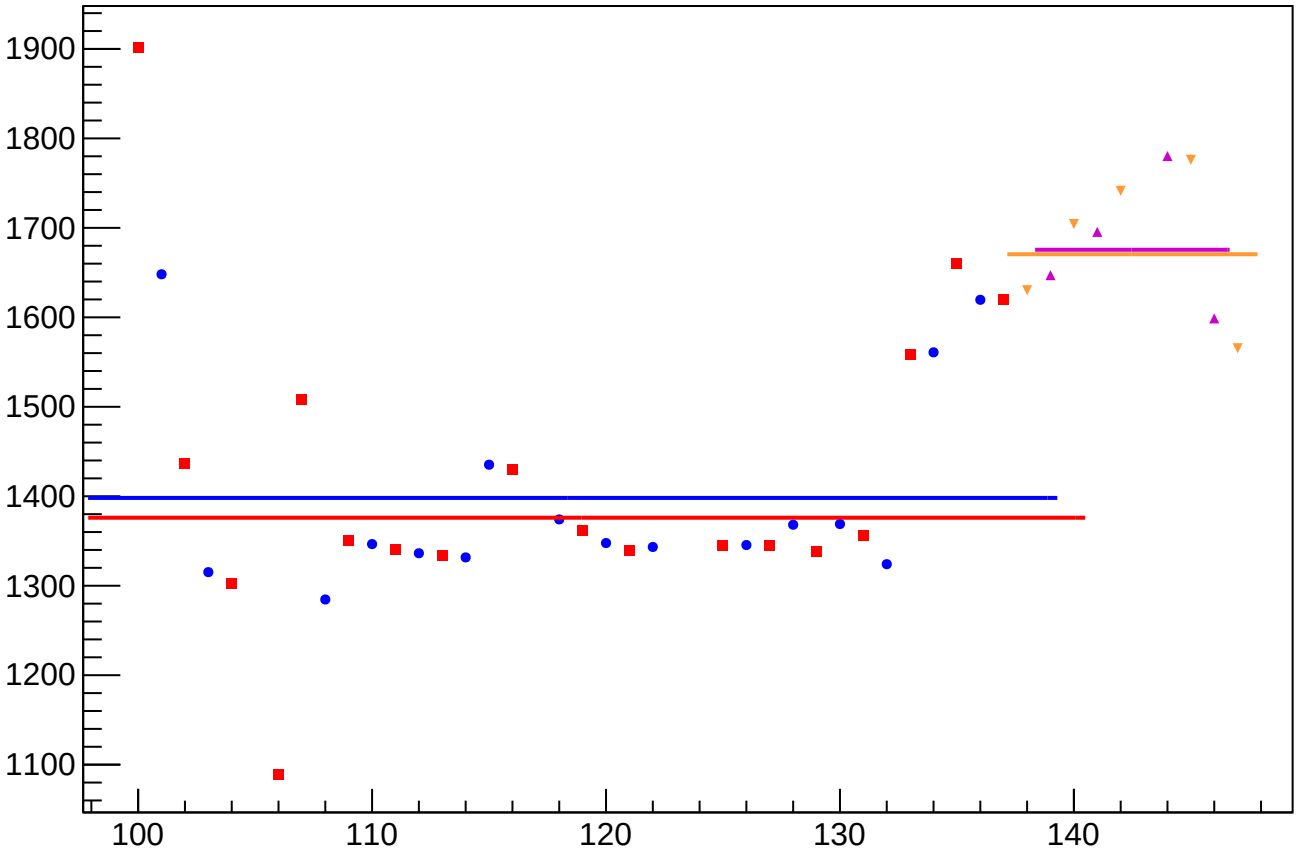
Left: 2143.930+/-622.533 χ^2/NDF: 18.2/8

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2114.831+/-450.672 χ^2/NDF:13.0/19

Out: 1980.412+/-445.950 χ^2/NDF:26.6/22

All: 2046.914+/-316.991 χ^2/NDF: 39.6/42



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1670.504+/-0.614 χ^2/NDF:16260.6/4

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

Left: 1672.956+/-0.440 χ^2/NDF: 27428.7/8

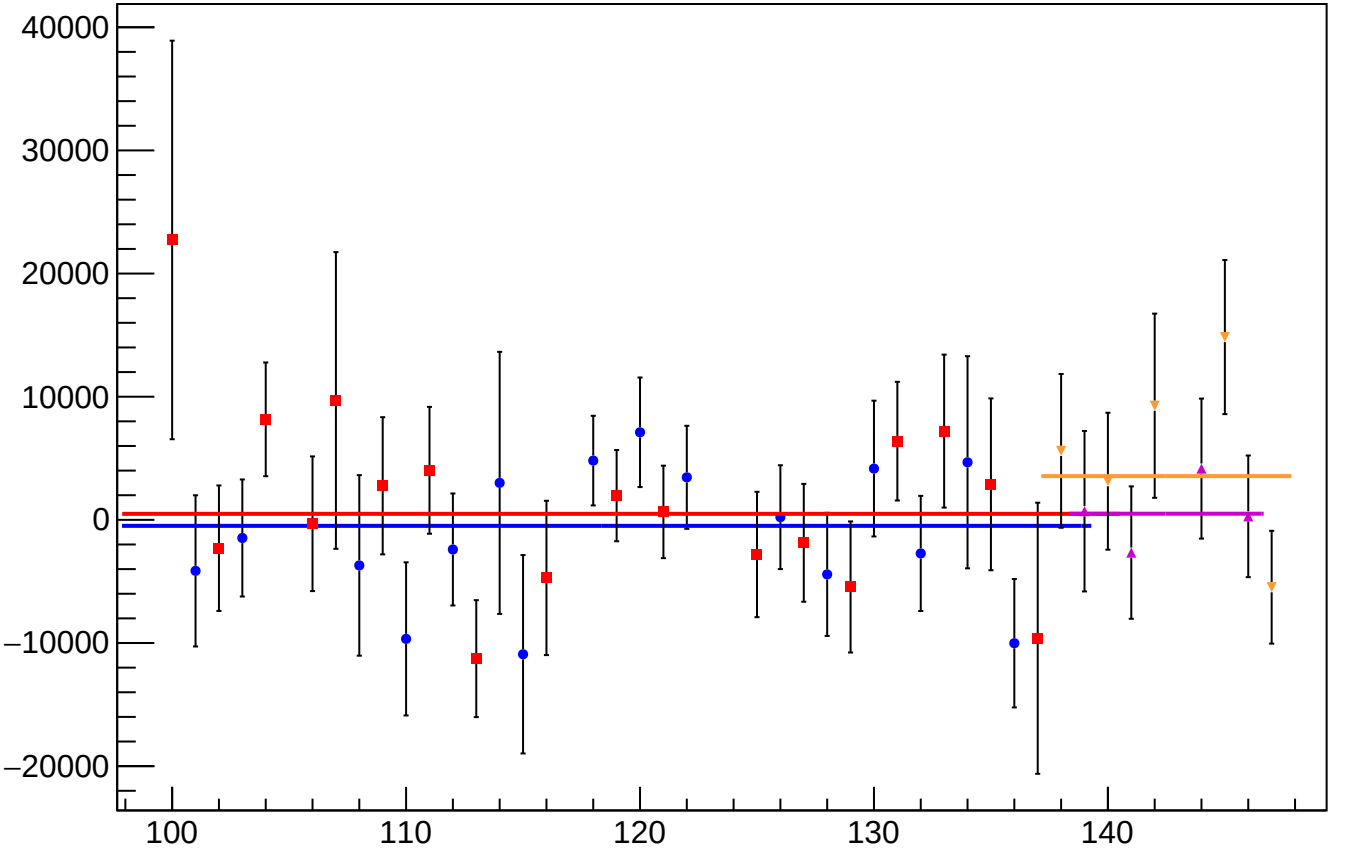
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1468.924+/-0.319 χ^2/NDF:249032.7/19

Out: 1452.056+/-0.312 χ^2/NDF:300671.3/22

All: 1460.318+/-0.223 χ^2/NDF: 551133.4/42

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: 3552.027+/-2590.079 χ^2/NDF:7.8/4

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 500.073+/-2772.989 χ^2/NDF:0.8/3

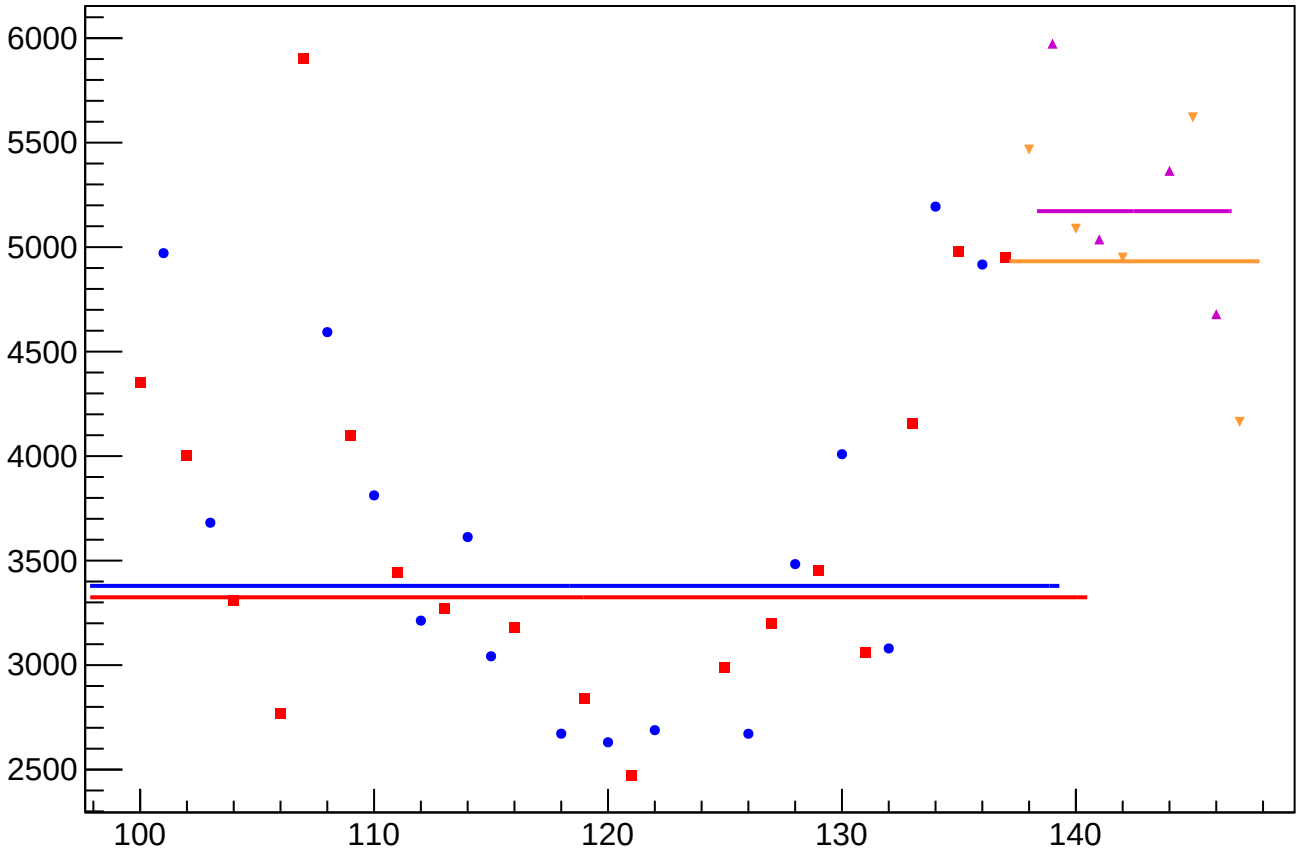
Left: 2130.018+/-1892.825 χ^2/NDF: 9.2/8

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -309.926+/-1173.303 χ^2/NDF:16.8/19

Out: 1075.823+/-1133.999 χ^2/NDF:27.7/22

All: 406.548+/-815.399 χ^2/NDF: 45.2/42



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4932.366+/-1.831 χ^2/NDF:96718.3/4

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5172.193+/-1.961 χ^2/NDF:53717.6/3

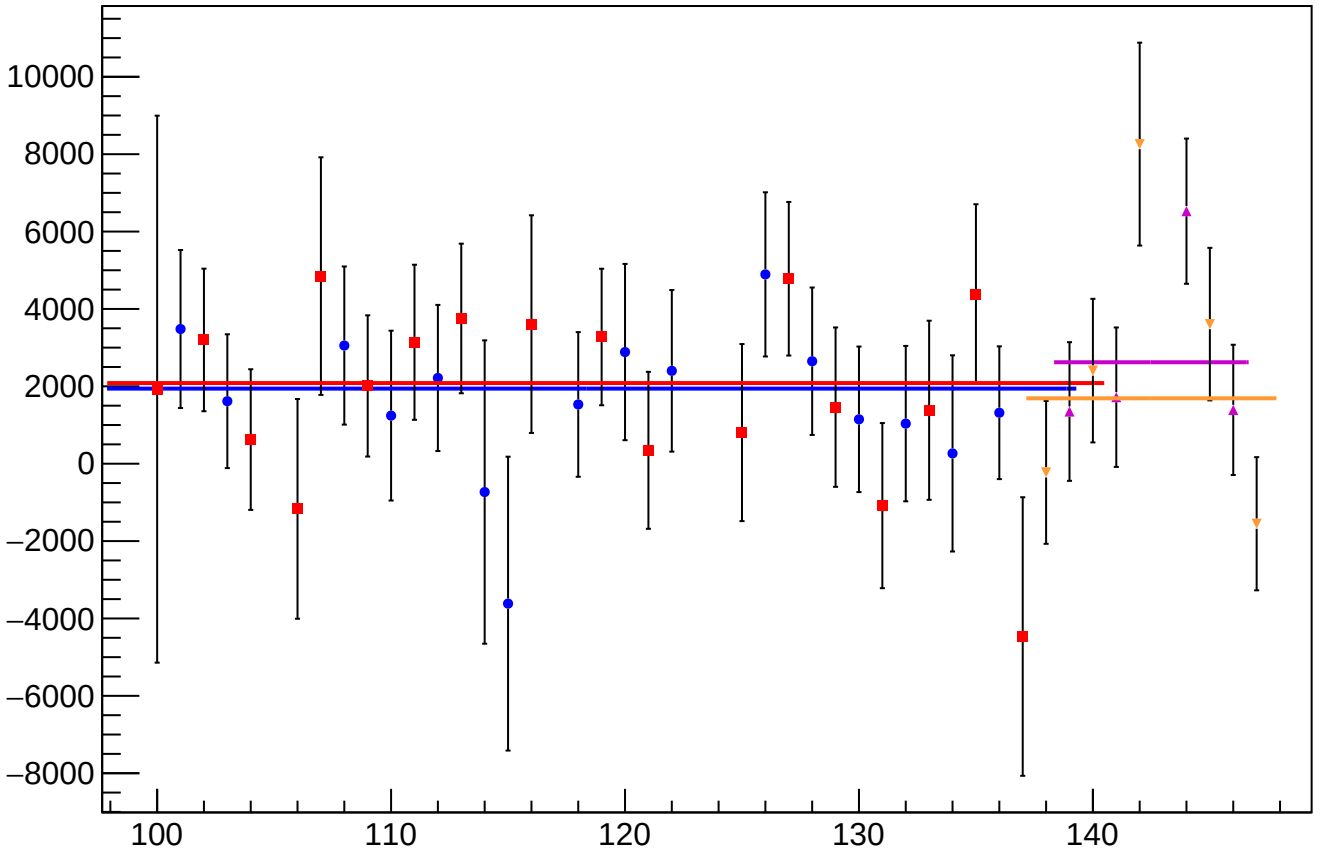
Left: 5044.110+/-1.338 χ^2/NDF: 158425.5/8

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3700.125+/-0.830 χ^2/NDF:1495591.5/19

Out: 3632.671+/-0.802 χ^2/NDF:1263561.5/22

All: 3665.249+/-0.577 χ^2/NDF: 2762570.8/42



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1690.200+/-868.986 χ^2/NDF:12.0/4

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2622.296+/-892.266 χ^2/NDF:5.6/3

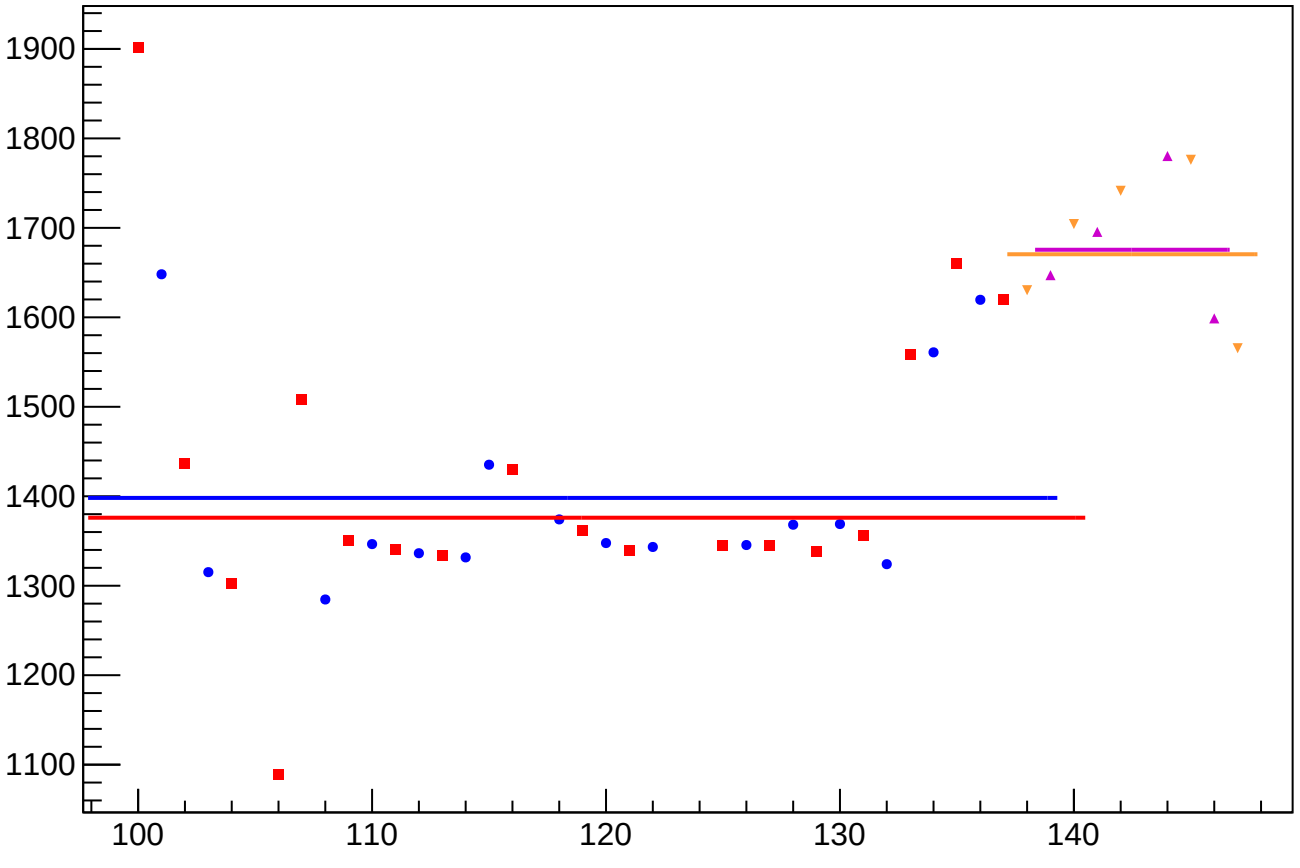
Left: 2143.930+/-622.533 χ^2/NDF: 18.2/8

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2114.831+/-450.672 χ^2/NDF:13.0/19

Out: 1980.412+/-445.950 χ^2/NDF:26.6/22

All: 2046.914+/-316.991 χ^2/NDF: 39.6/42



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1670.504+/-0.614 χ^2/NDF:16260.6/4

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1675.541+/-0.631 χ^2/NDF:11135.3/3

Left: 1672.956+/-0.440 χ^2/NDF: 27428.7/8

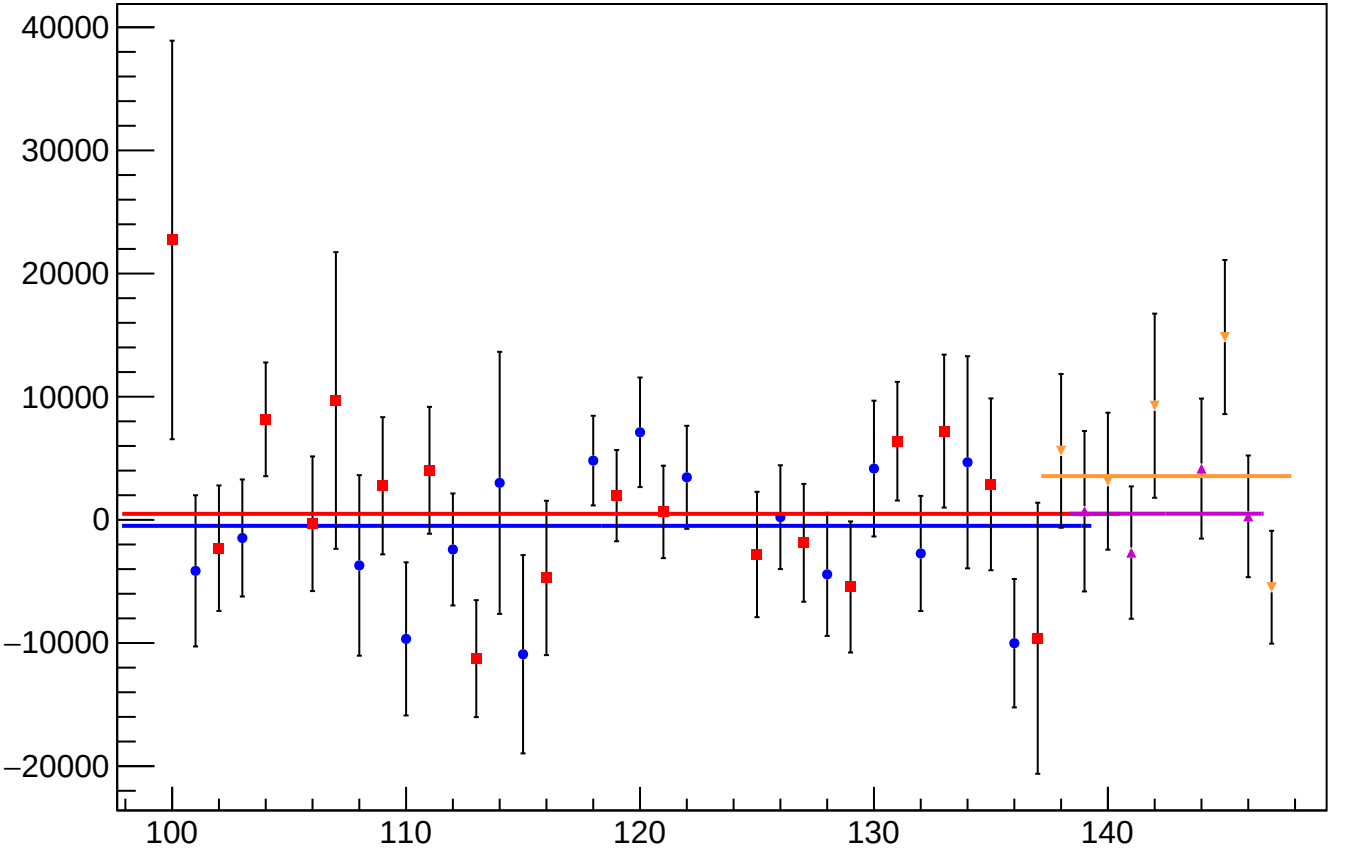
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1468.924+/-0.319 χ^2/NDF:249032.7/19

Out: 1452.056+/-0.312 χ^2/NDF:300671.3/22

All: 1460.318+/-0.223 χ^2/NDF: 551133.4/42

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: 3552.027+/-2590.079 χ^2/NDF:7.8/4

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 500.073+/-2772.989 χ^2/NDF:0.8/3

Left: 2130.018+/-1892.825 χ^2/NDF: 9.2/8

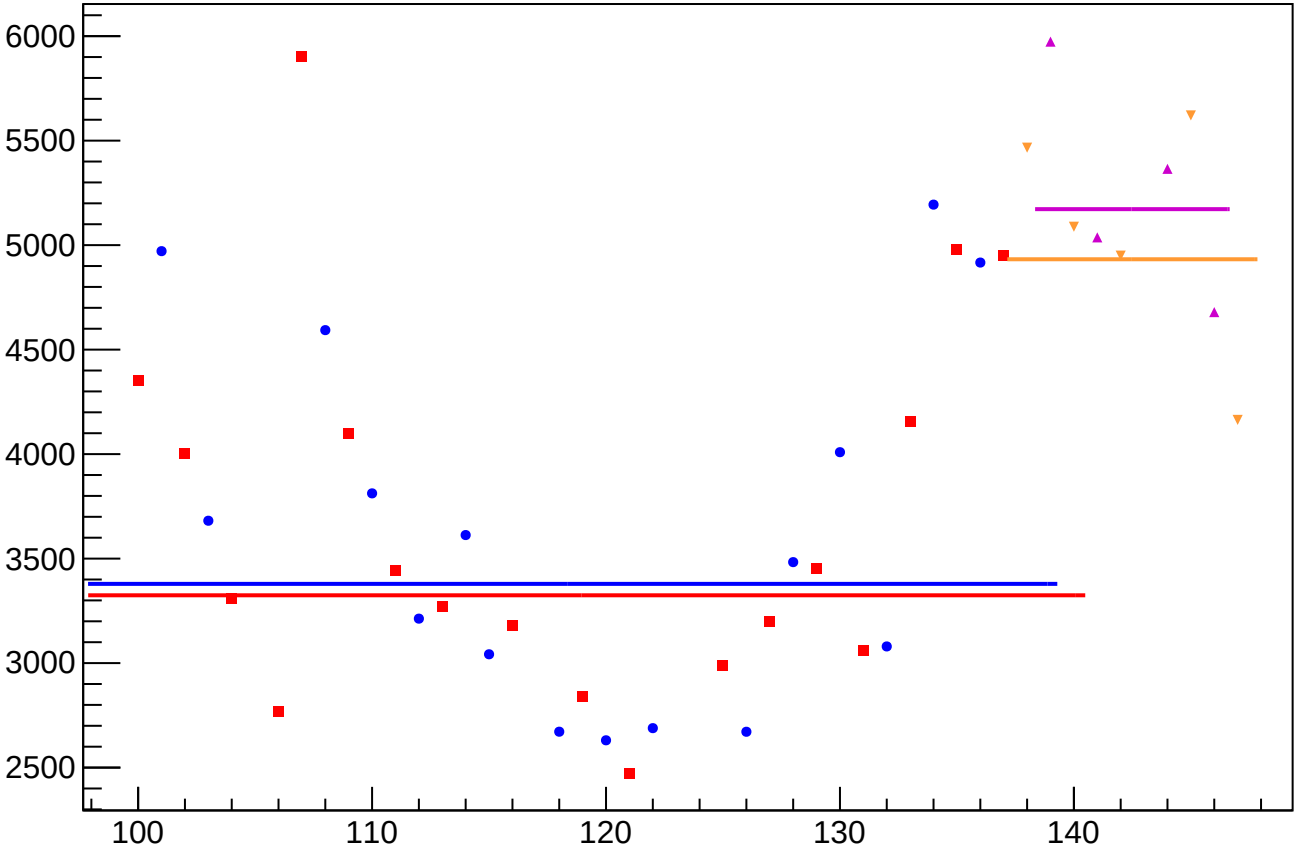
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -309.926+/-1173.303 χ^2/NDF:16.8/19

Out: 1075.823+/-1133.999 χ^2/NDF:27.7/22

All: 406.548+/-815.399 χ^2/NDF: 45.2/42

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: 4932.366+/-1.831 χ^2/NDF:96718.3/4

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5172.193+/-1.961 χ^2/NDF:53717.6/3

Left: 5044.110+/-1.338 χ^2/NDF: 158425.5/8

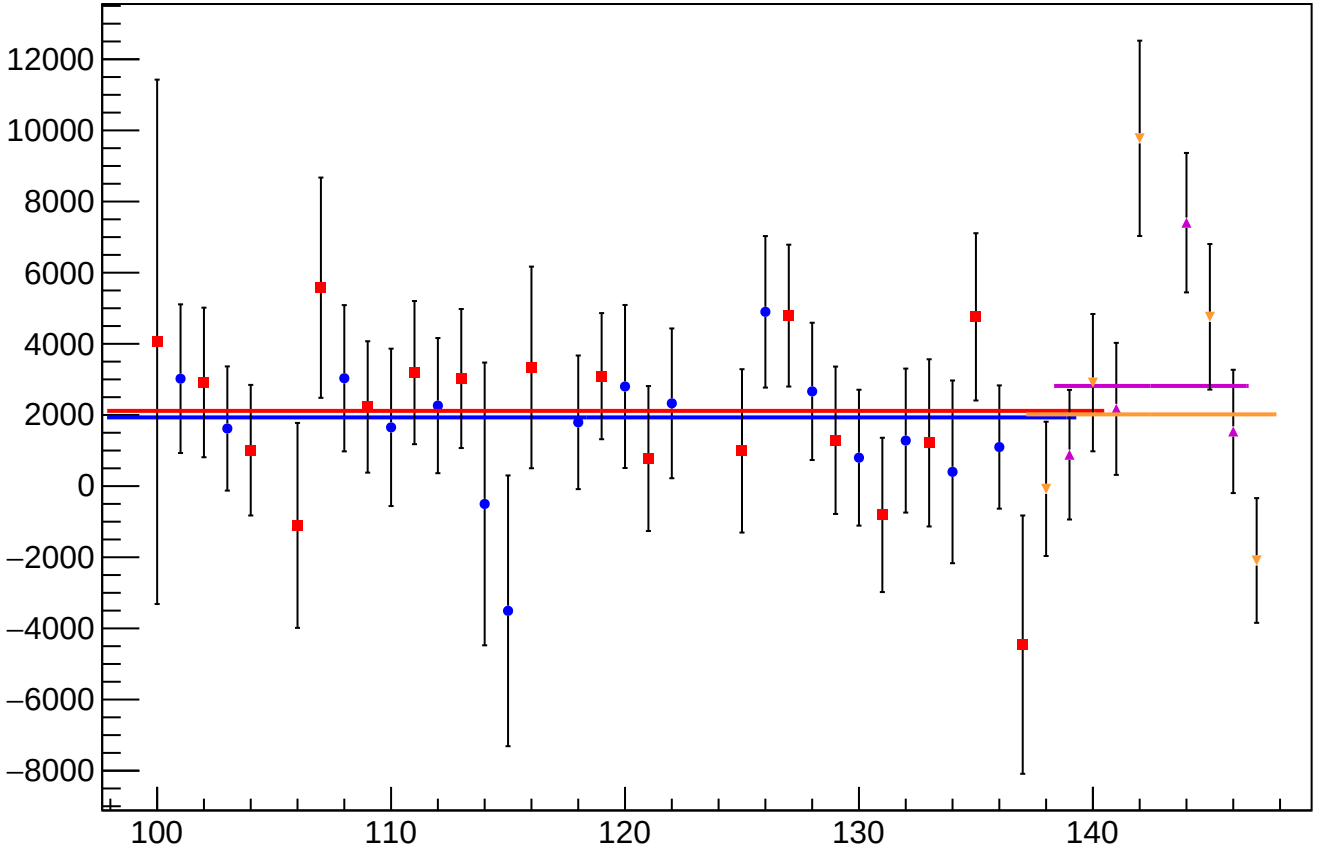
Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3700.125+/-0.830 χ^2/NDF:1495591.5/19

Out: 3632.671+/-0.802 χ^2/NDF:1263561.5/22

All: 3665.249+/-0.577 χ^2/NDF: 2762570.8/42

dit_asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 2016.677+/-895.888 χ^2/NDF:16.7/4

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2815.843+/-918.799 χ^2/NDF:7.3/3

Left: 2406.171+/-641.436 χ^2/NDF: 24.4/8

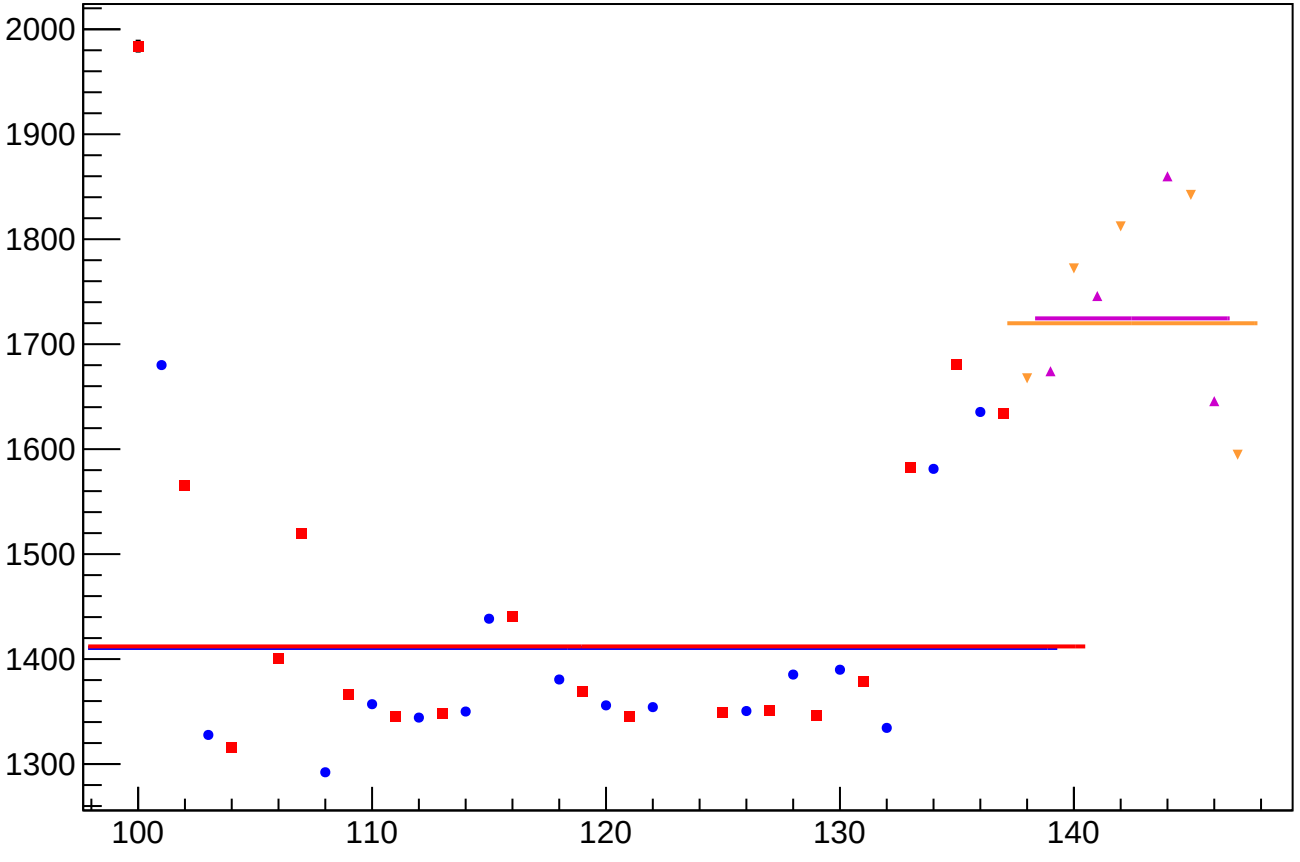
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2150.529+/-457.229 χ^2/NDF:14.3/19

Out: 2089.739+/-455.390 χ^2/NDF:29.9/22

All: 2120.012+/-322.658 χ^2/NDF: 44.3/42

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1719.930+/-0.633 χ^2/NDF:22620.4/4

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1724.587+/-0.650 χ^2/NDF:15461.2/3

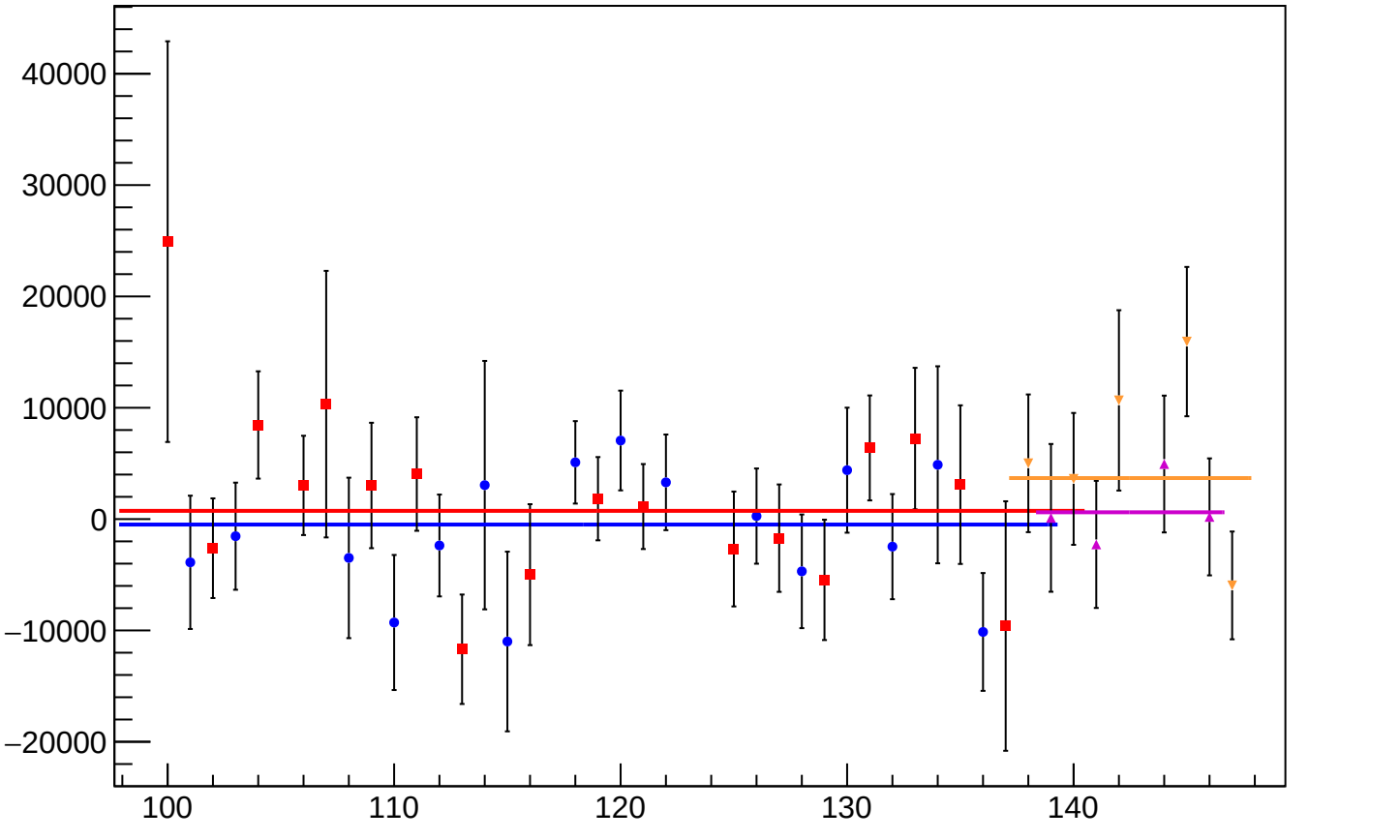
Left: 1722.200+/-0.454 χ^2/NDF: 38108.0/8

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1488.353+/-0.323 χ^2/NDF:290342.1/19

Out: 1491.284+/-0.321 χ^2/NDF:287741.5/22

All: 1489.827+/-0.228 χ^2/NDF: 578124.9/42



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 3685.378+/-2723.437 χ^2/NDF:8.1/4

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 611.455+/-2934.746 χ^2/NDF:0.8/3

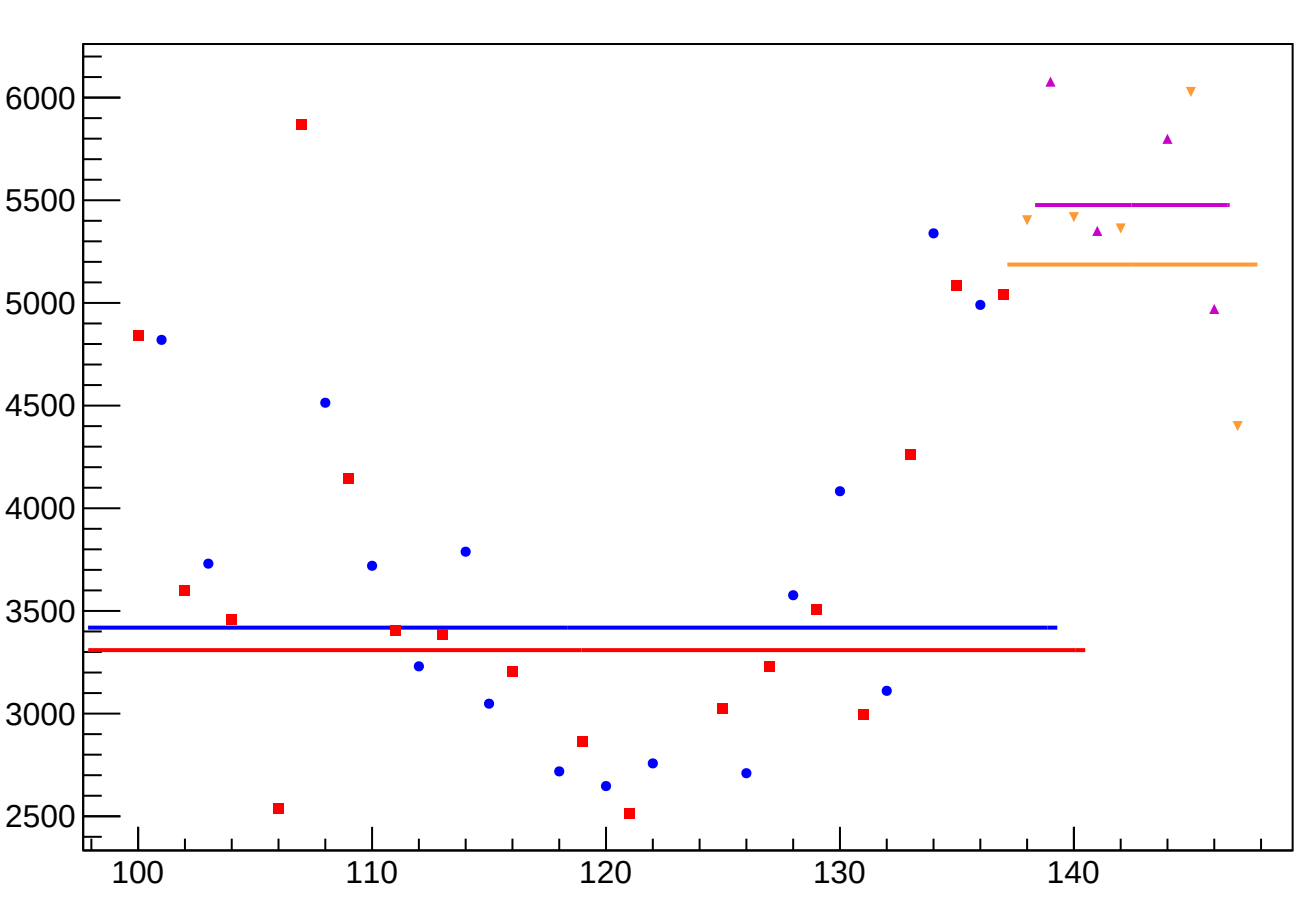
Left: 2263.054+/-1996.288 χ^2/NDF: 9.5/8

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -306.803+/-1195.238 χ^2/NDF:16.7/19

Out: 1251.611+/-1134.512 χ^2/NDF:28.3/22

All: 512.997+/-822.852 χ^2/NDF: 45.9/42



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5186.949+/-1.926 χ^2/NDF:90650.6/4

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5476.690+/-2.075 χ^2/NDF:41440.5/3

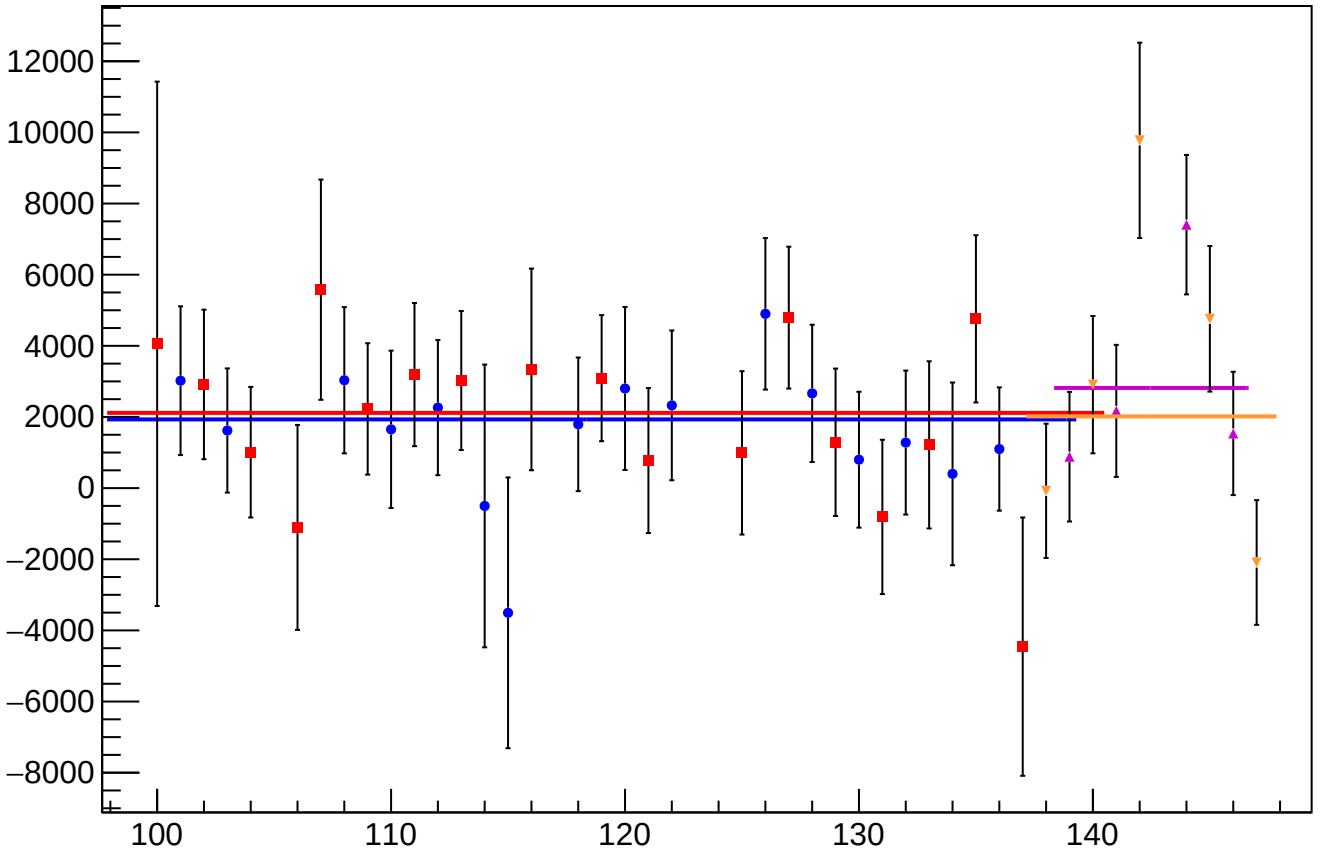
Left: 5321.014+/-1.412 χ^2/NDF: 142565.2/8

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3760.059+/-0.845 χ^2/NDF:1583023.9/19

Out: 3634.980+/-0.802 χ^2/NDF:1448435.1/22

All: 3694.261+/-0.582 χ^2/NDF: 3042980.8/42



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 2016.686+/-895.889 χ^2/NDF:16.7/4

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2815.845+/-918.800 χ^2/NDF:7.3/3

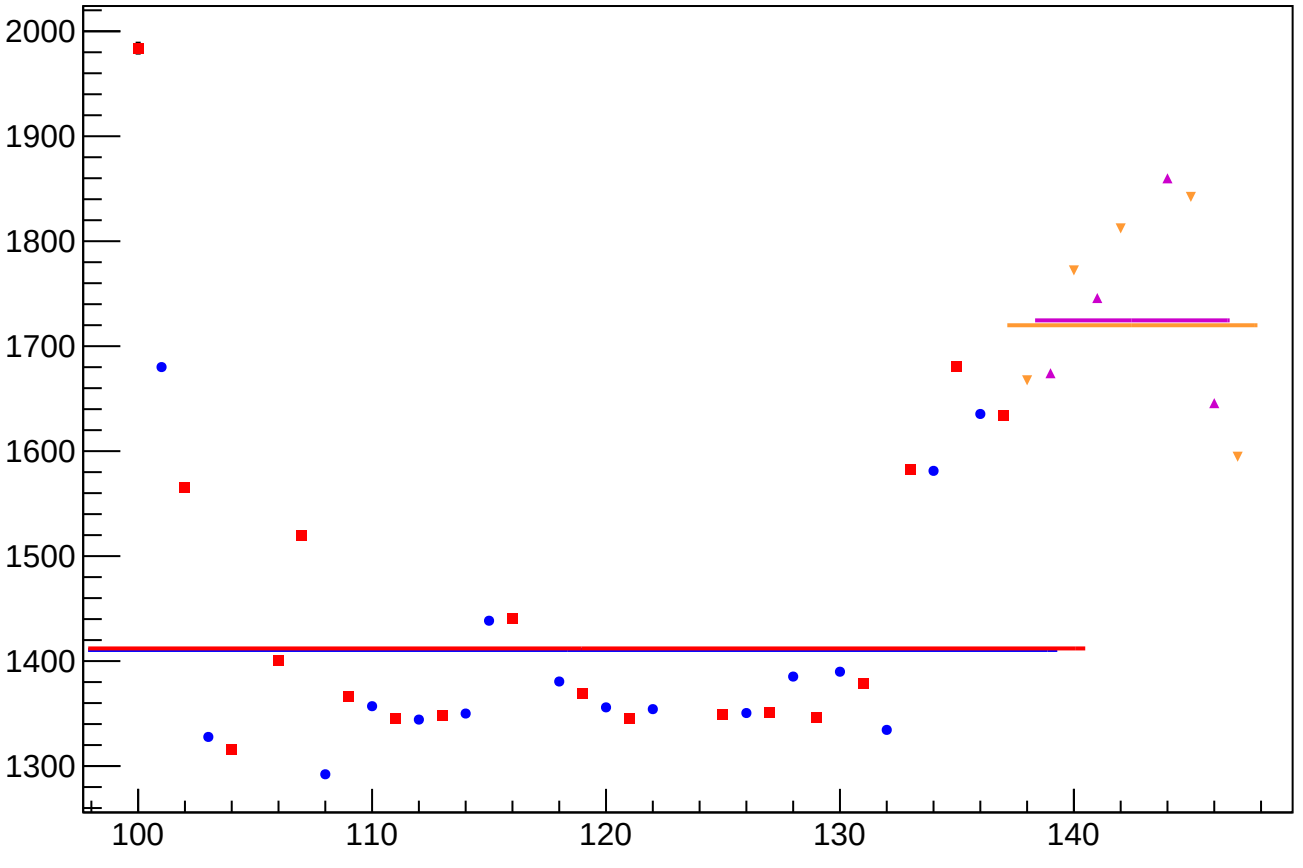
Left: 2406.177+/-641.436 χ^2/NDF: 24.4/8

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2150.530+/-457.229 χ^2/NDF:14.3/19

Out: 2089.742+/-455.390 χ^2/NDF:29.9/22

All: 2120.014+/-322.658 χ^2/NDF: 44.3/42



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1719.931+/-0.633 χ^2/NDF:22621.0/4

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1724.589+/-0.650 χ^2/NDF:15461.3/3

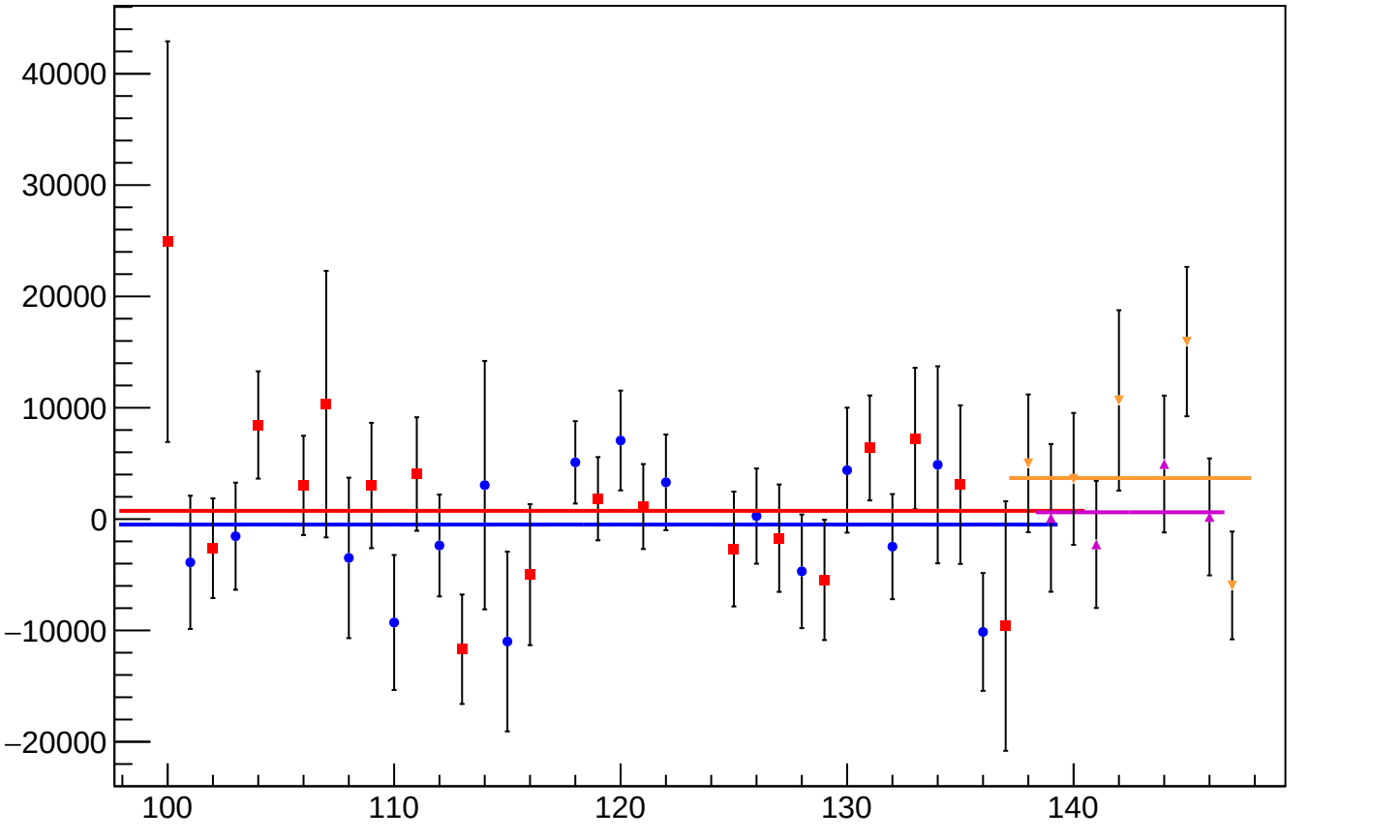
Left: 1722.201+/-0.454 χ^2/NDF: 38108.7/8

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1488.354+/-0.323 χ^2/NDF:290343.7/19

Out: 1491.284+/-0.321 χ^2/NDF:287743.6/22

All: 1489.828+/-0.228 χ^2/NDF: 578128.6/42



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 3685.376+/-2723.442 χ^2/NDF:8.1/4

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 611.455+/-2934.752 χ^2/NDF:0.8/3

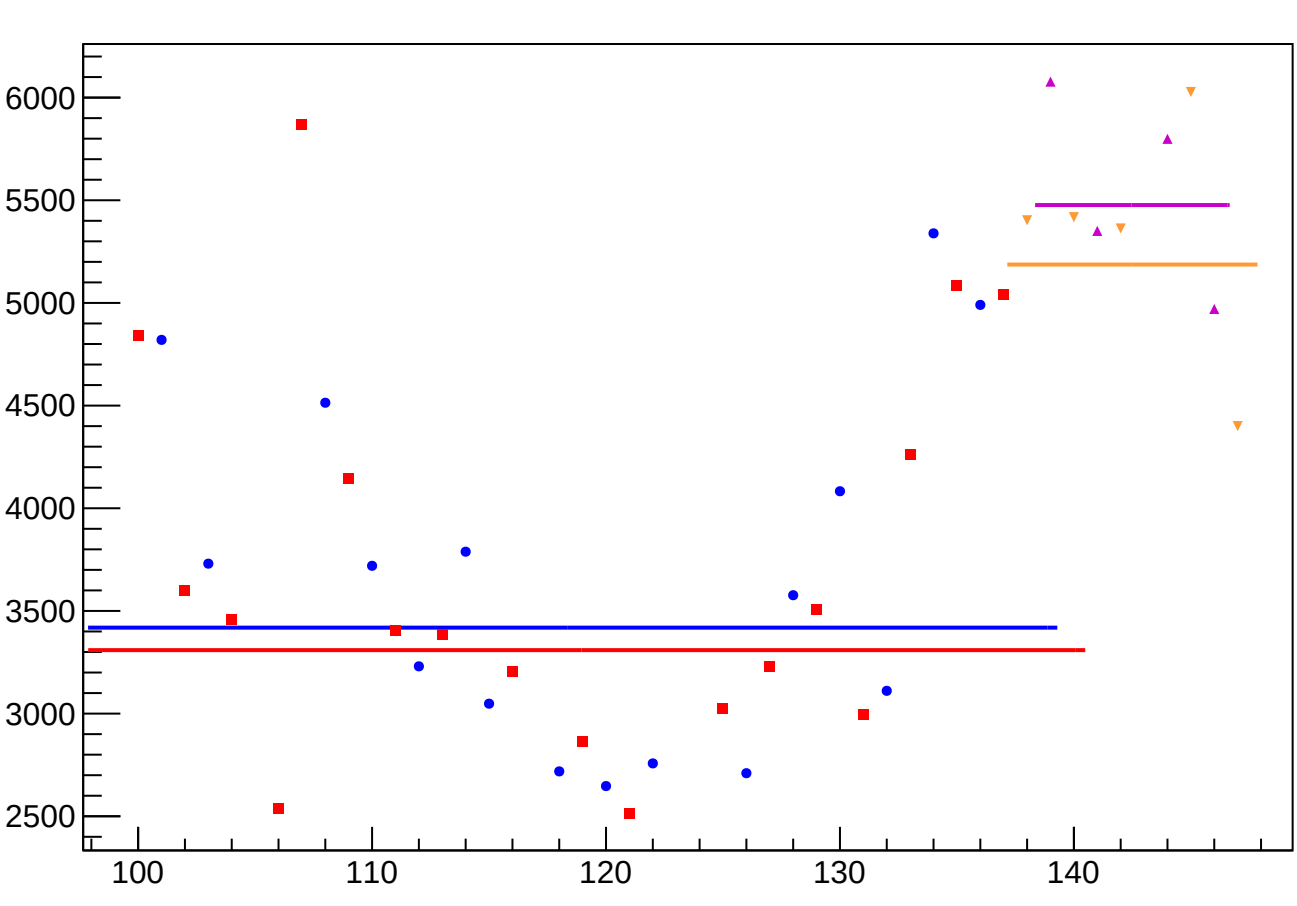
Left: 2263.054+/-1996.292 χ^2/NDF: 9.5/8

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -306.799+/-1195.235 χ^2/NDF:16.7/19

Out: 1251.609+/-1134.509 χ^2/NDF:28.3/22

All: 512.998+/-822.850 χ^2/NDF: 45.9/42



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5186.958+/-1.926 χ^2/NDF:90652.3/4

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5476.700+/-2.075 χ^2/NDF:41441.3/3

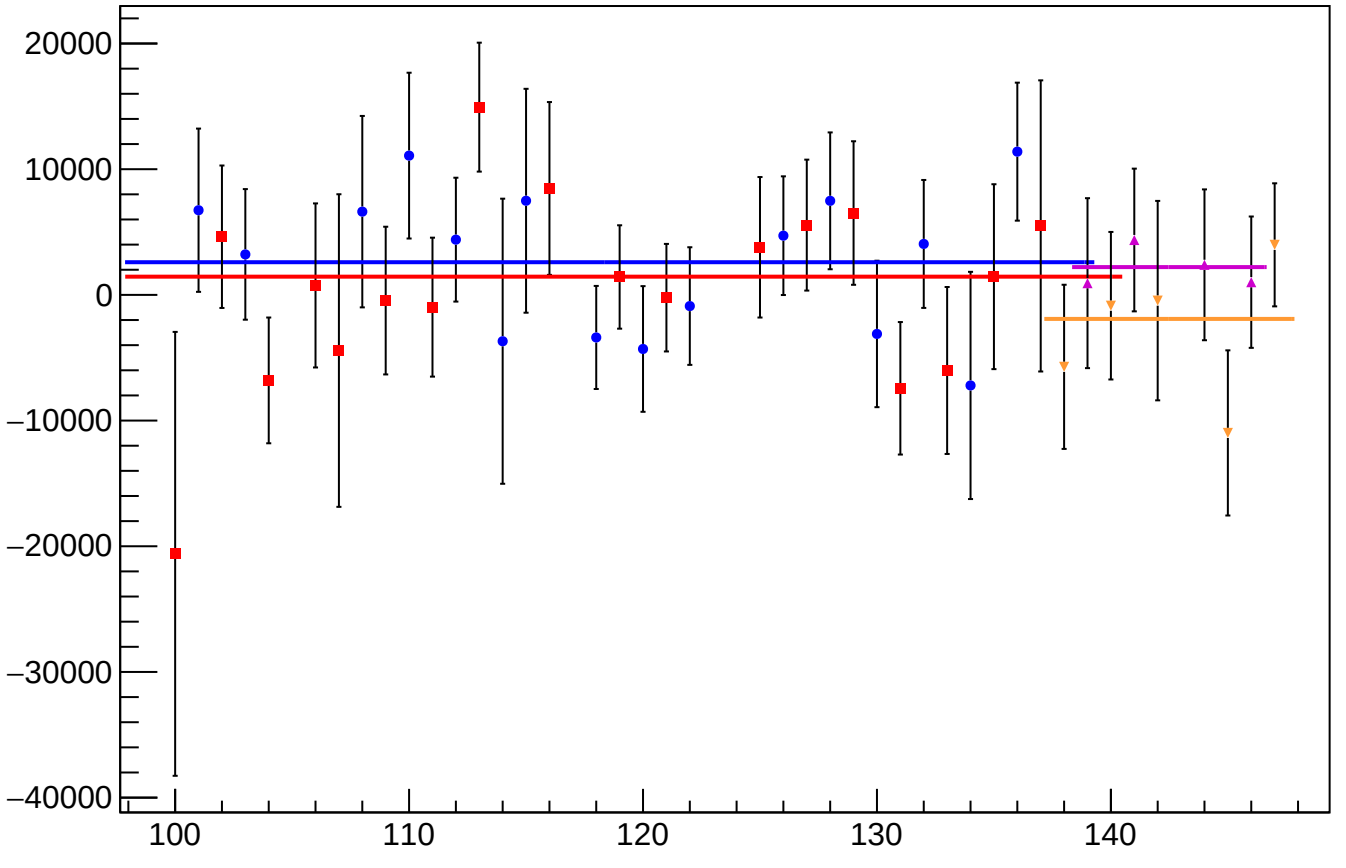
Left: 5321.023+/-1.412 χ^2/NDF: 142567.8/8

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3760.049+/-0.845 χ^2/NDF:1583048.6/19

Out: 3634.970+/-0.802 χ^2/NDF:1448454.9/22

All: 3694.252+/-0.582 χ^2/NDF: 3043025.0/42



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -1911.246+/-2739.455 χ^2/NDF:3.8/4

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 2211.343+/-2919.745 χ^2/NDF:0.2/3

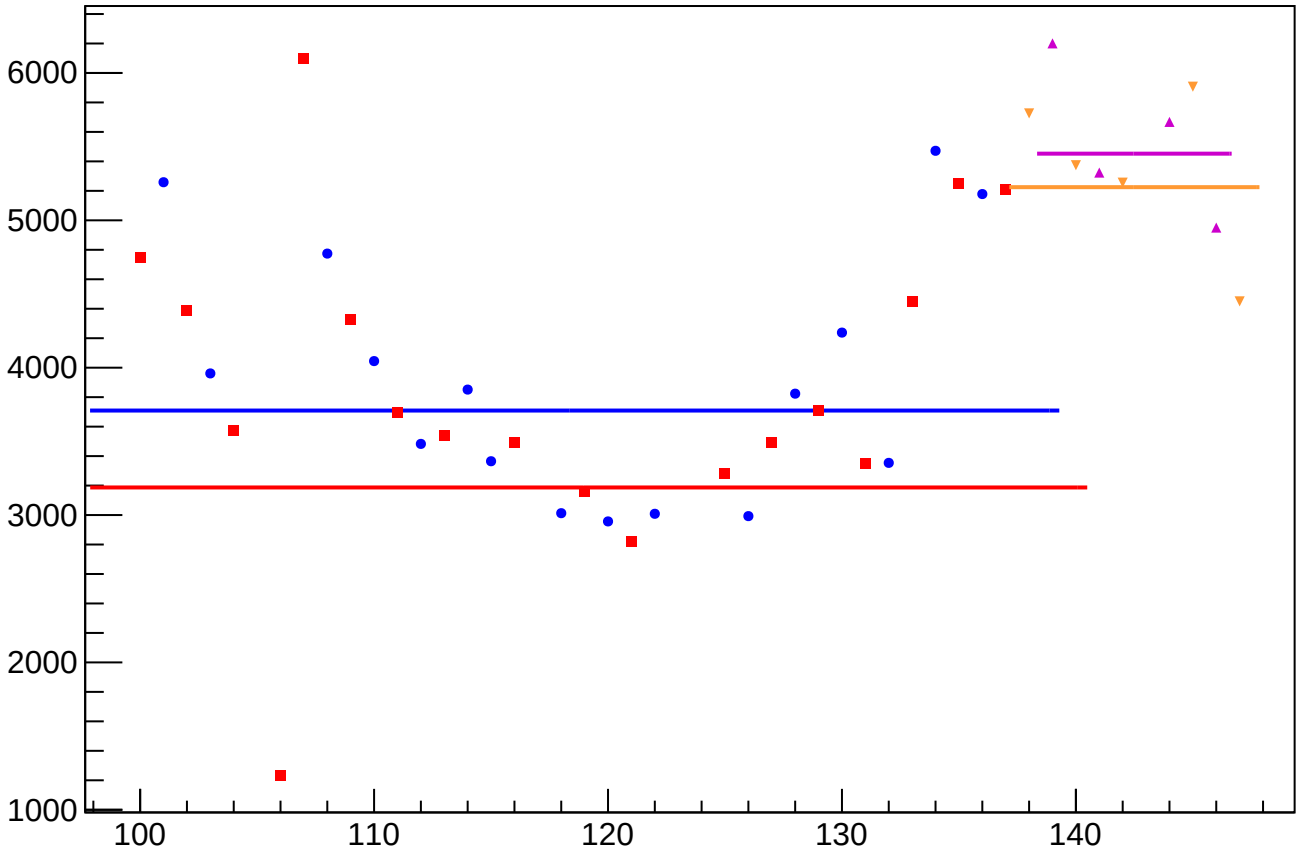
Left: 18.844+/-1997.785 χ^2/NDF: 5.1/8

Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2525.815+/-1272.980 χ^2/NDF:13.7/19

Out: 767.795+/-1234.461 χ^2/NDF:24.0/22

All: 1619.805+/-886.201 χ^2/NDF: 38.7/42



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5225.044+/-1.937 χ^2/NDF:84731.1/4

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5452.416+/-2.065 χ^2/NDF:46547.0/3

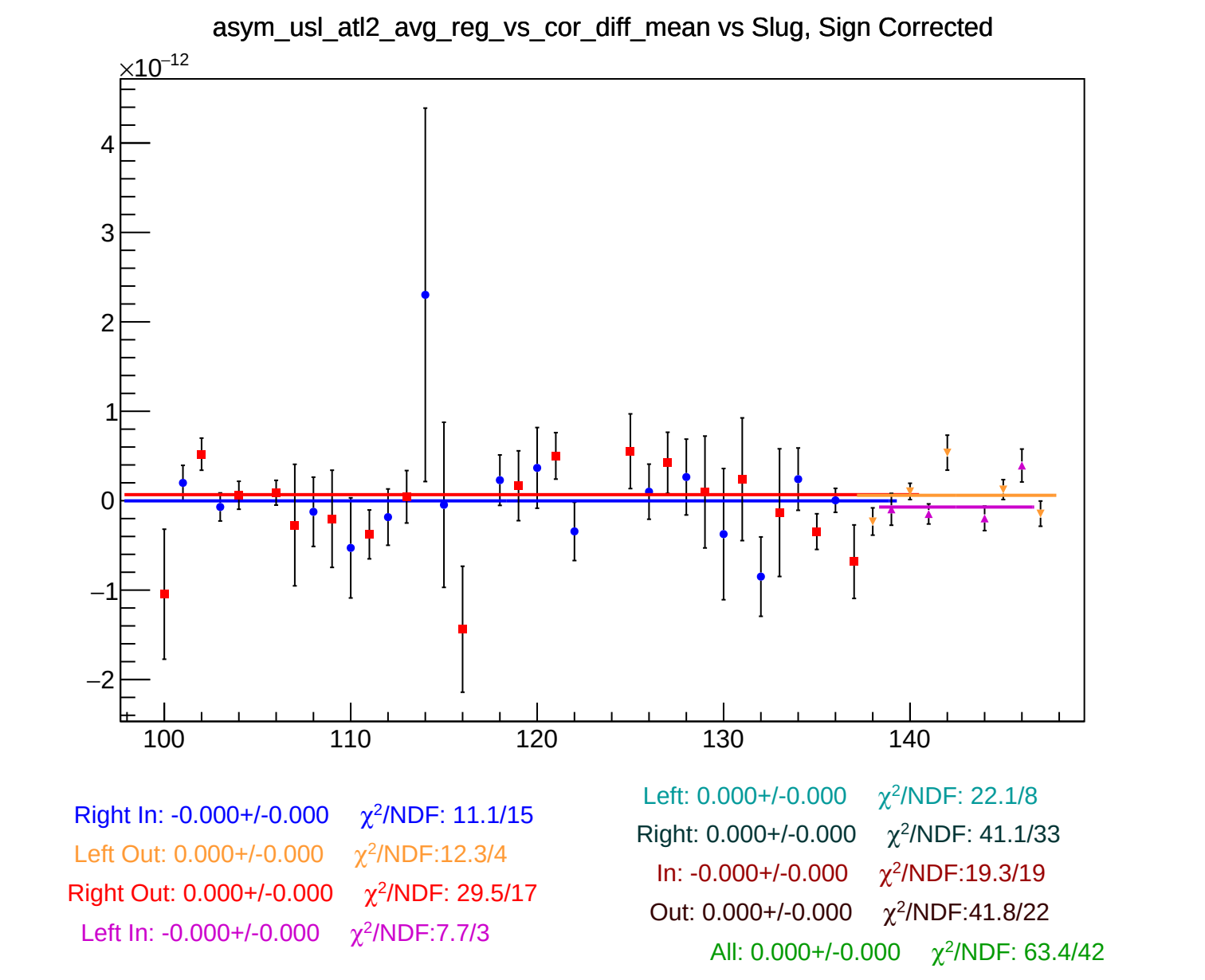
Left: 5331.494+/-1.413 χ^2/NDF: 137728.5/8

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4040.525+/-0.900 χ^2/NDF:1234619.9/19

Out: 3546.066+/-0.813 χ^2/NDF:2607391.1/22

All: 3768.180+/-0.603 χ^2/NDF: 4008214.3/42


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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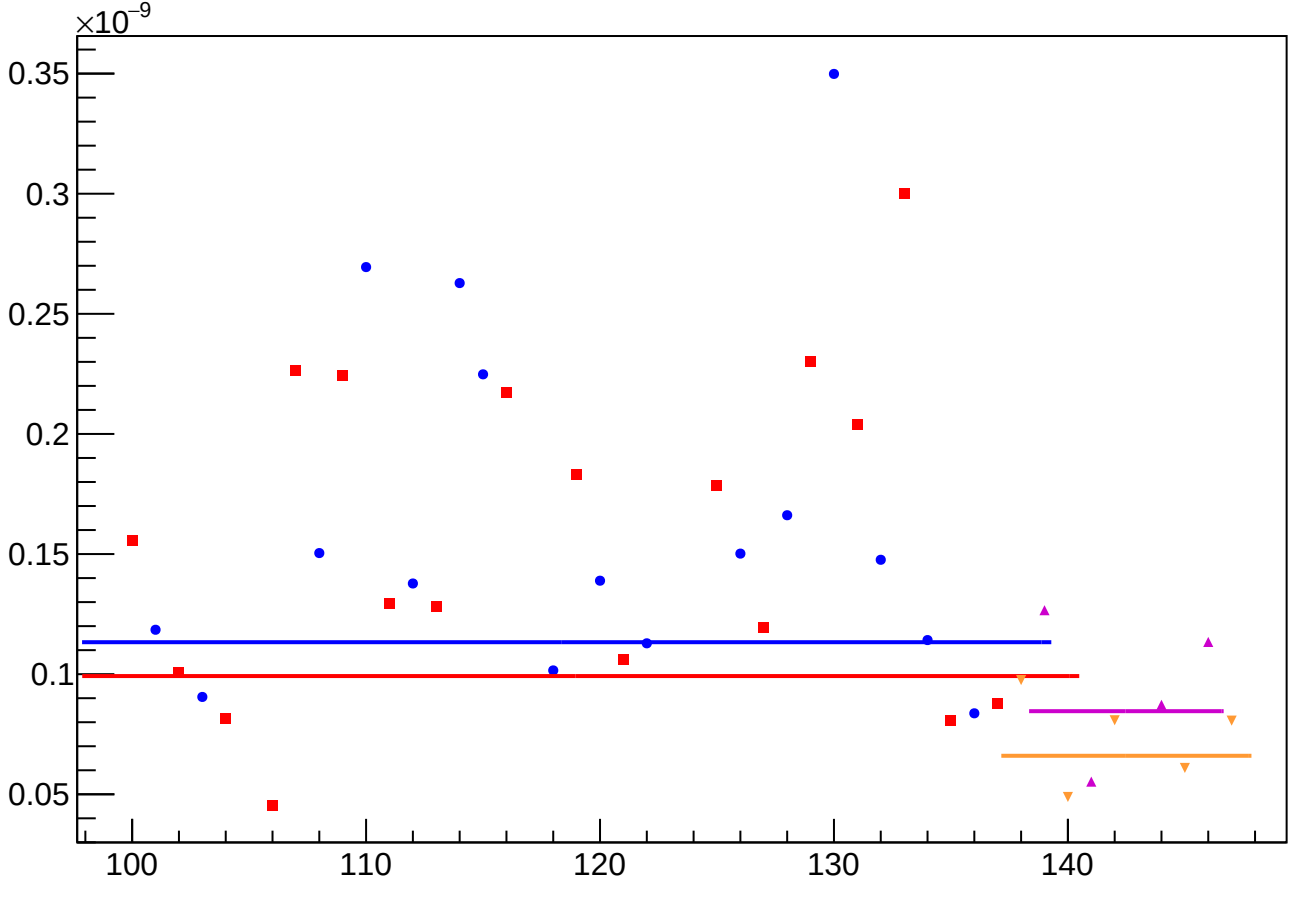
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:12.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:7.7/3
Left: 0.000+/-0.000 χ²/NDF: 22.1/8
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:19.3/19
Out: 0.000+/-0.000 χ²/NDF:41.8/22
All: 0.000+/-0.000 χ²/NDF: 63.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:193547.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:297627.1/3

Left: 0.000+/-0.000 χ^2/NDF: 574532.4/8

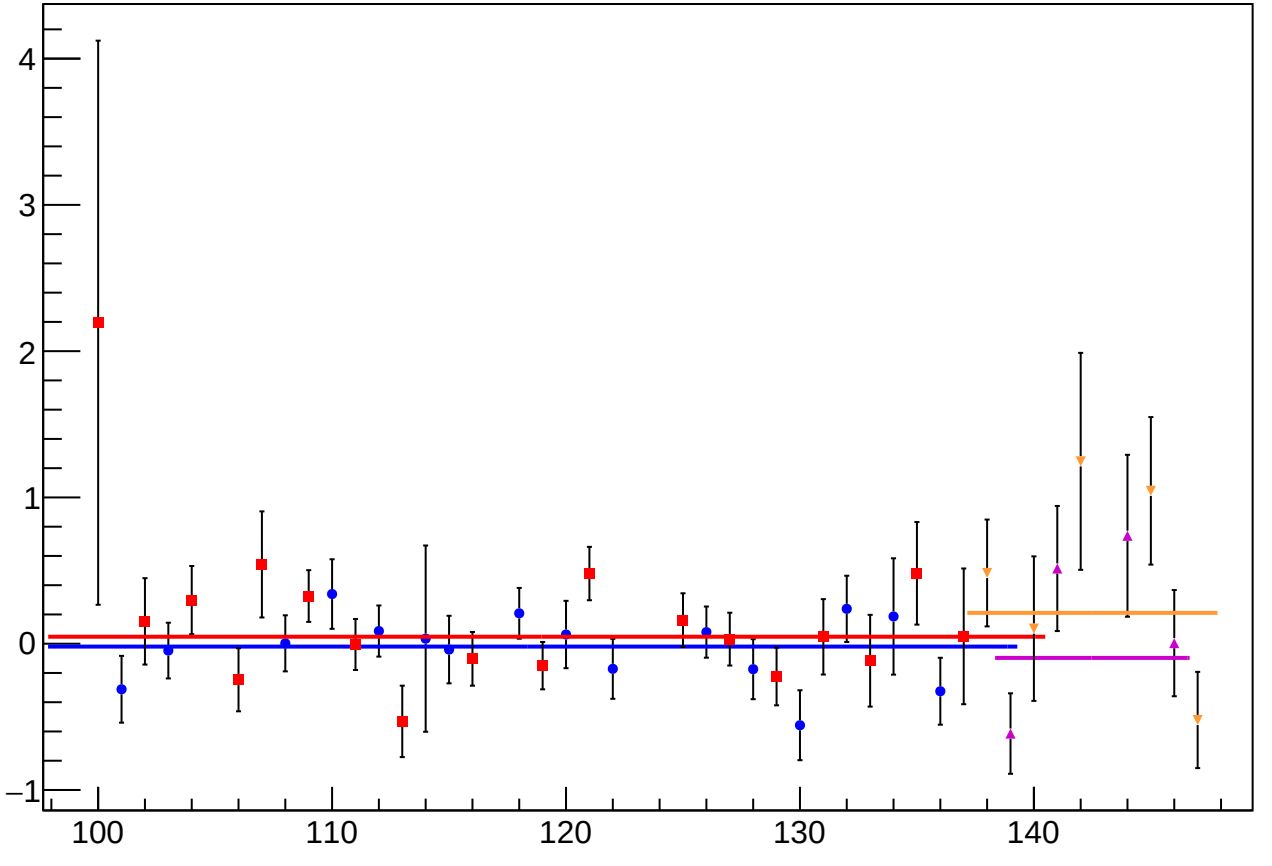
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1116365.1/19

Out: 0.000+/-0.000 χ^2/NDF:1590921.2/22

All: 0.000+/-0.000 χ^2/NDF: 2878787.3/42

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: 0.211+/-0.194 χ^2/NDF:10.2/4

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.097+/-0.184 χ^2/NDF:7.9/3

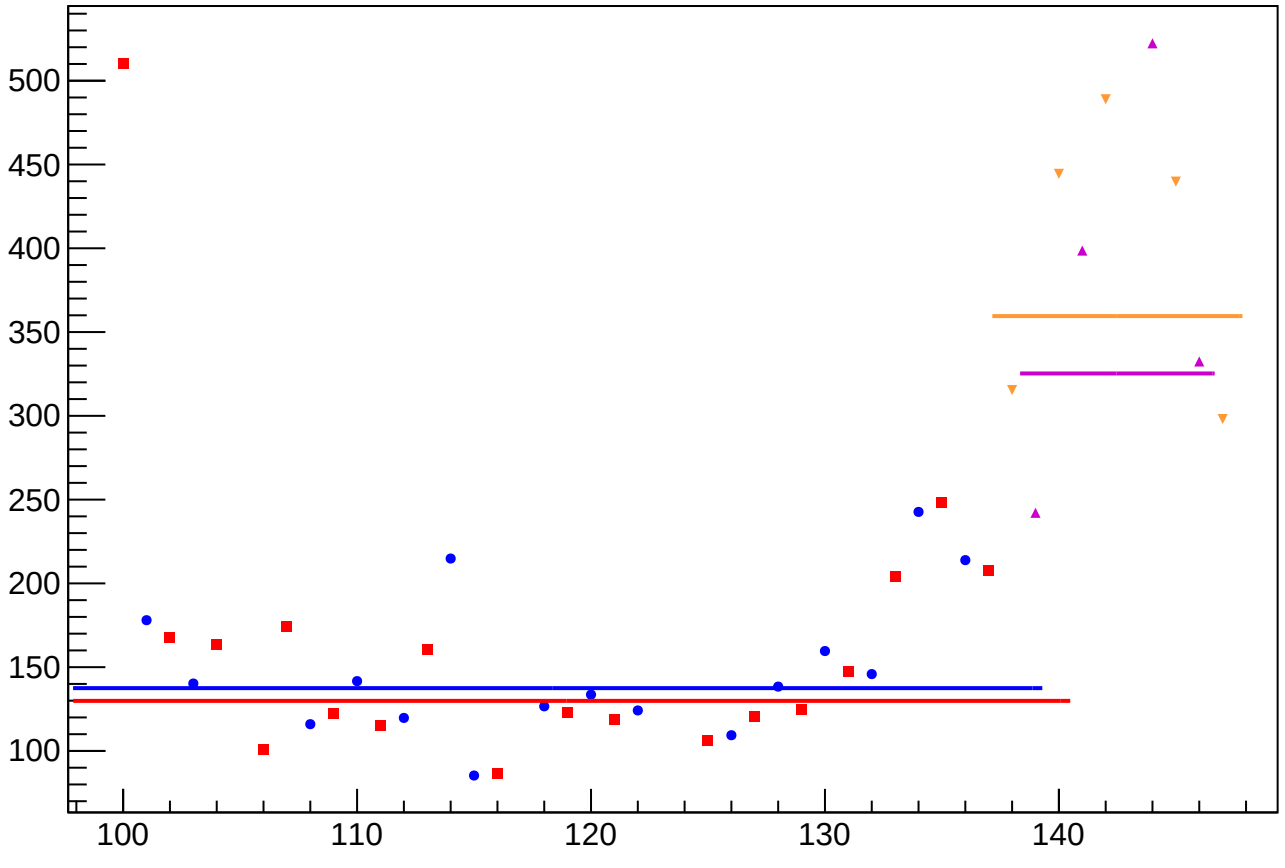
Left: 0.049+/-0.133 χ^2/NDF: 19.5/8

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.026+/-0.052 χ^2/NDF:24.1/19

Out: 0.059+/-0.051 χ^2/NDF:37.2/22

All: 0.018+/-0.036 χ^2/NDF: 62.7/42



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 359.525+/-0.137 χ^2/NDF:269634.8/4

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.290+/-0.130 χ^2/NDF:495810.9/3

Left: 341.508+/-0.094 χ^2/NDF: 798243.0/8

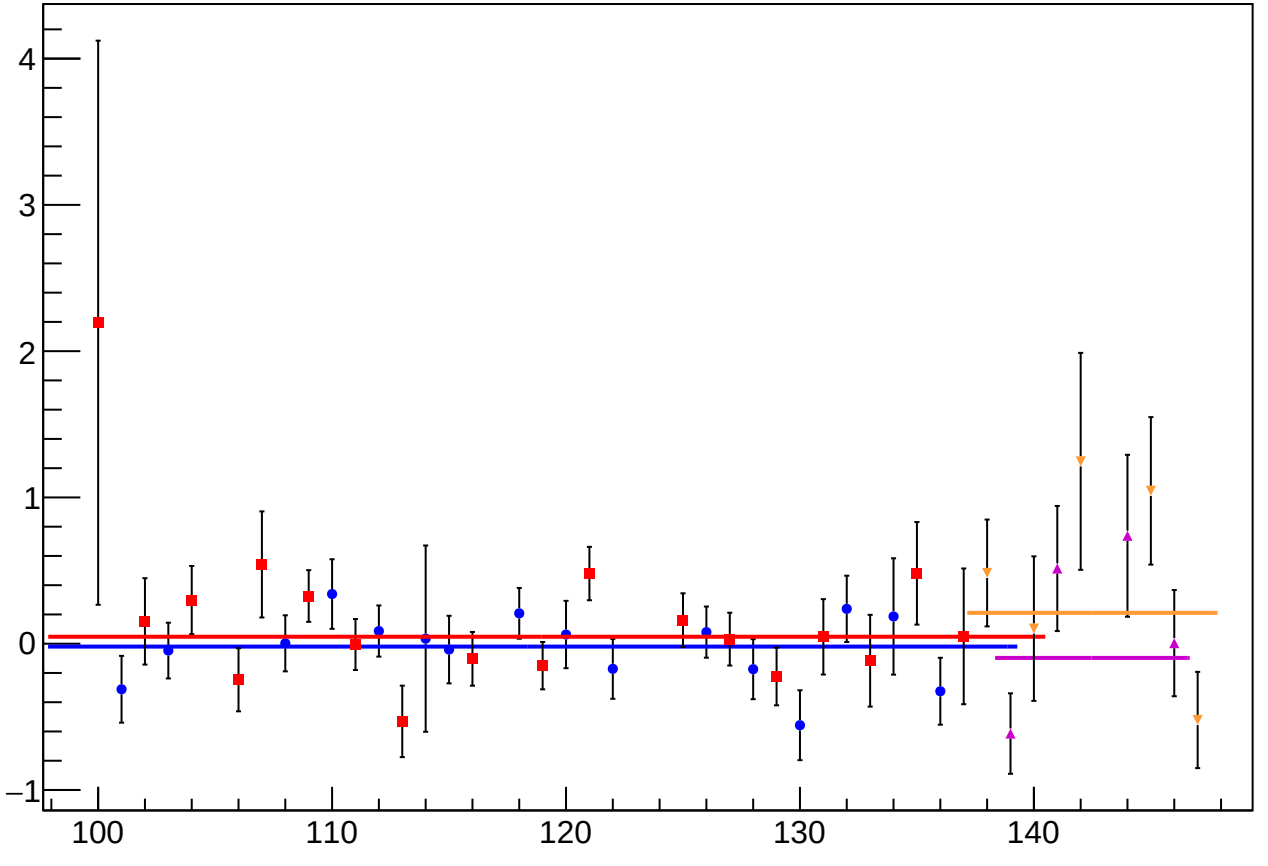
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 152.487+/-0.037 χ^2/NDF:3105566.8/19

Out: 145.563+/-0.036 χ^2/NDF:3716194.3/22

All: 148.936+/-0.026 χ^2/NDF: 6839955.3/42

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: 0.211+/-0.194 χ^2/NDF:10.2/4

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.097+/-0.184 χ^2/NDF:7.9/3

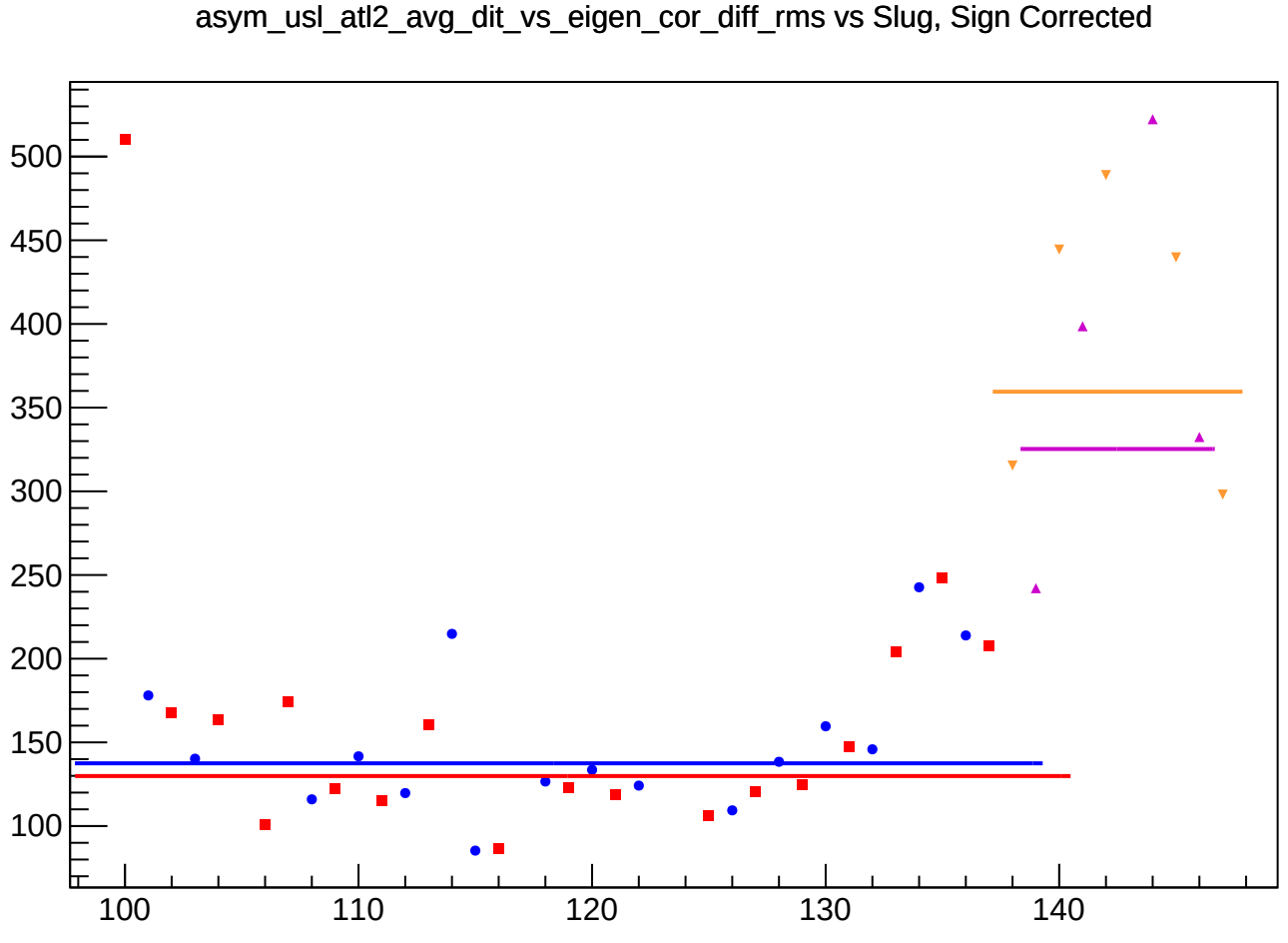
Left: 0.049+/-0.133 χ^2/NDF: 19.5/8

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.026+/-0.052 χ^2/NDF:24.1/19

Out: 0.059+/-0.051 χ^2/NDF:37.2/22

All: 0.018+/-0.036 χ^2/NDF: 62.7/42


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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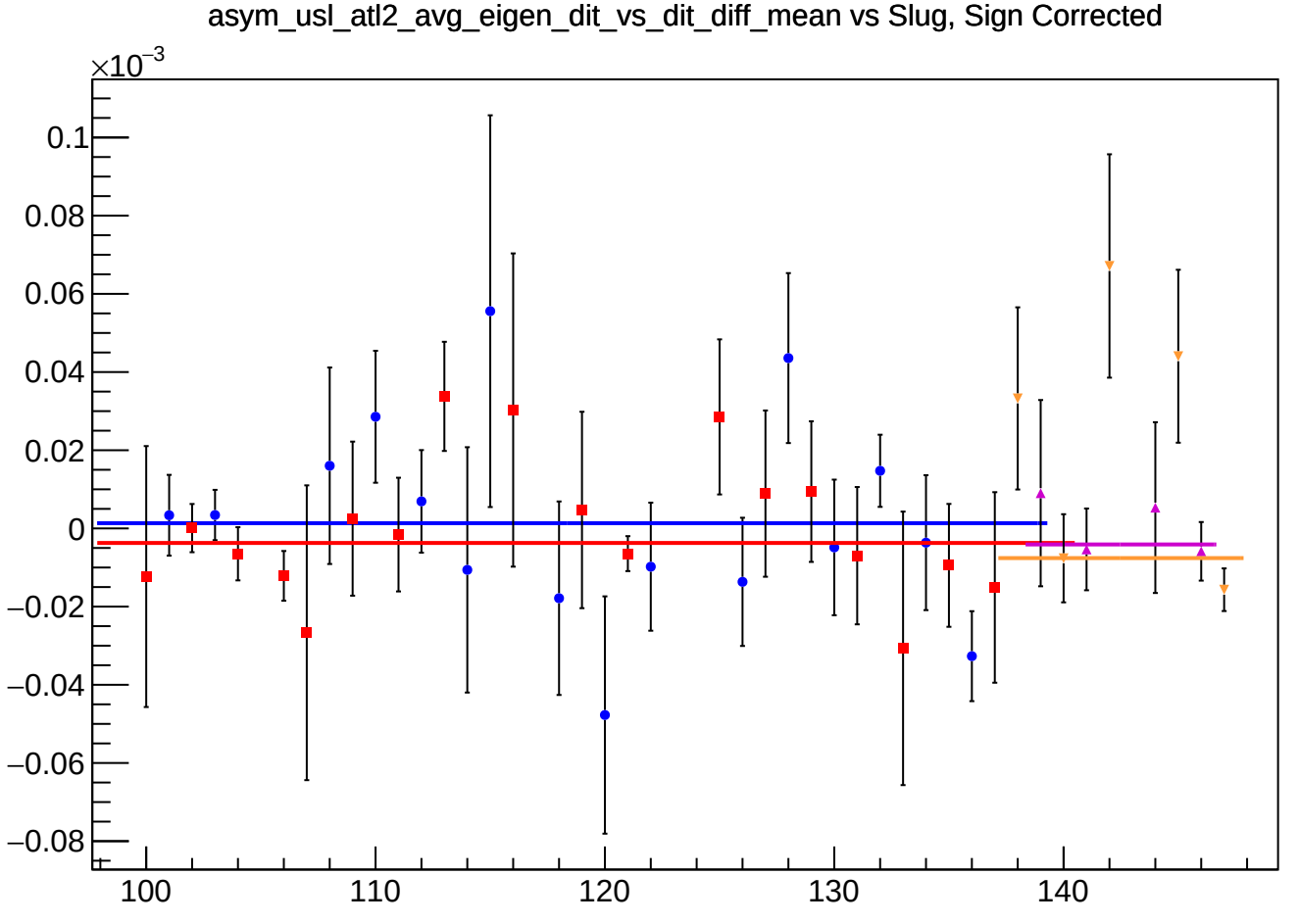
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 359.525+/-0.137 χ²/NDF:269634.8/4
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 325.290+/-0.130 χ²/NDF:495810.9/3
Left: 341.508+/-0.094 χ²/NDF: 798243.0/8
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 152.487+/-0.037 χ²/NDF:3105566.8/19
Out: 145.563+/-0.036 χ²/NDF:3716194.3/22
All: 148.936+/-0.026 χ²/NDF: 6839955.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

Left: -0.000+/-0.000 χ^2/NDF: 18.3/8

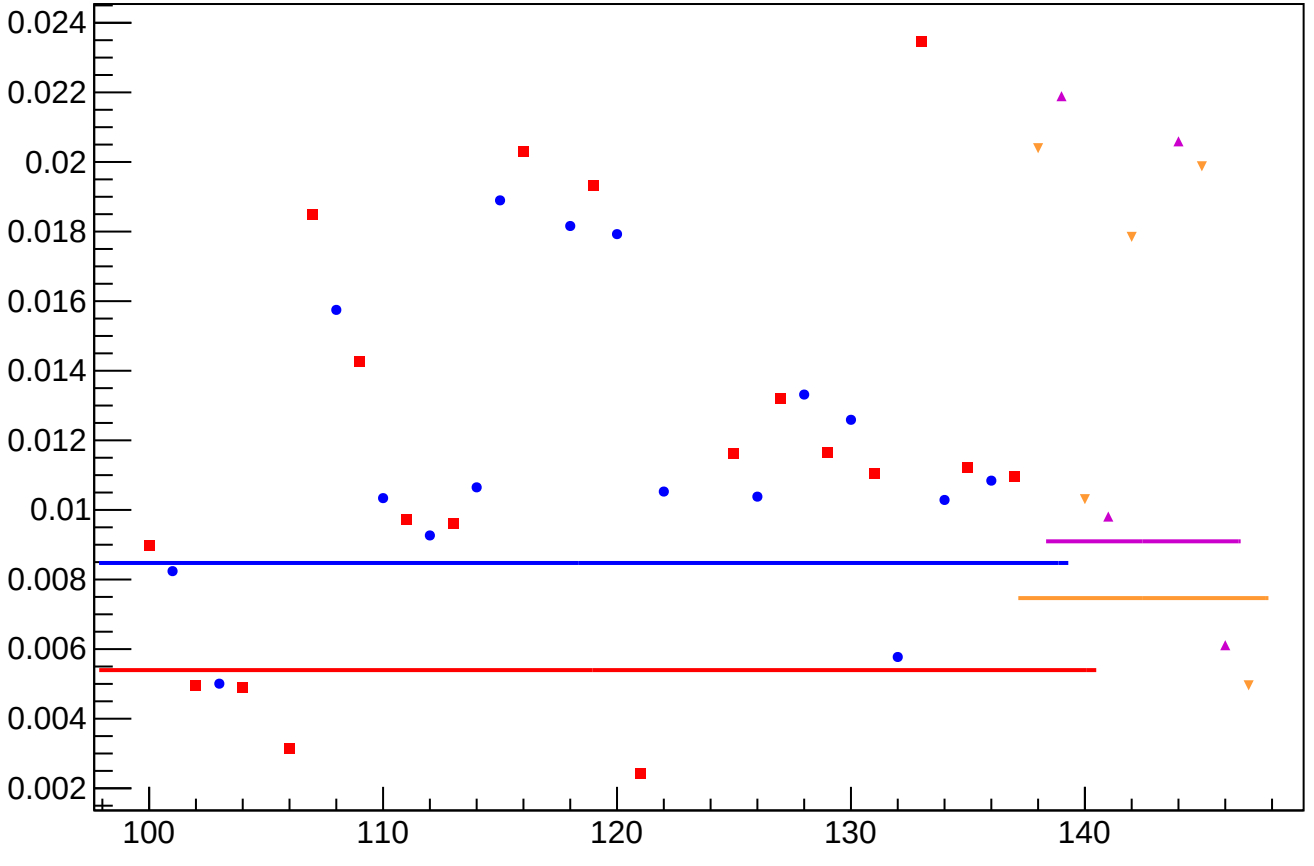
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:25.2/19

Out: -0.000+/-0.000 χ^2/NDF:33.9/22

All: -0.000+/-0.000 χ^2/NDF: 60.5/42

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:2059297.8/4

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.009+/-0.000 χ^2/NDF:1457199.9/3

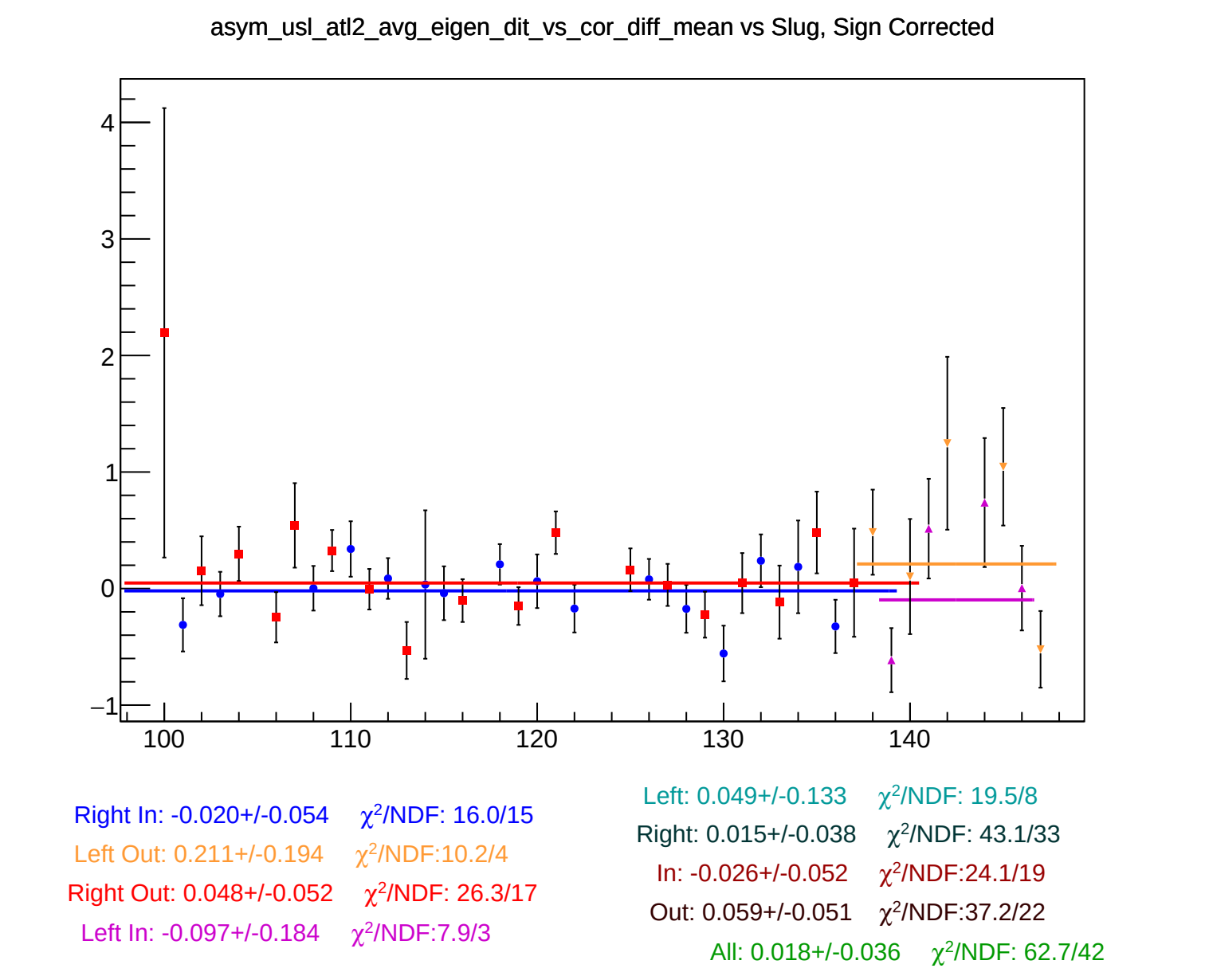
Left: 0.008+/-0.000 χ^2/NDF: 3615227.6/8

Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.009+/-0.000 χ^2/NDF:3400646.2/19

Out: 0.006+/-0.000 χ^2/NDF:7276021.5/22

All: 0.007+/-0.000 χ^2/NDF: 11804145.0/42


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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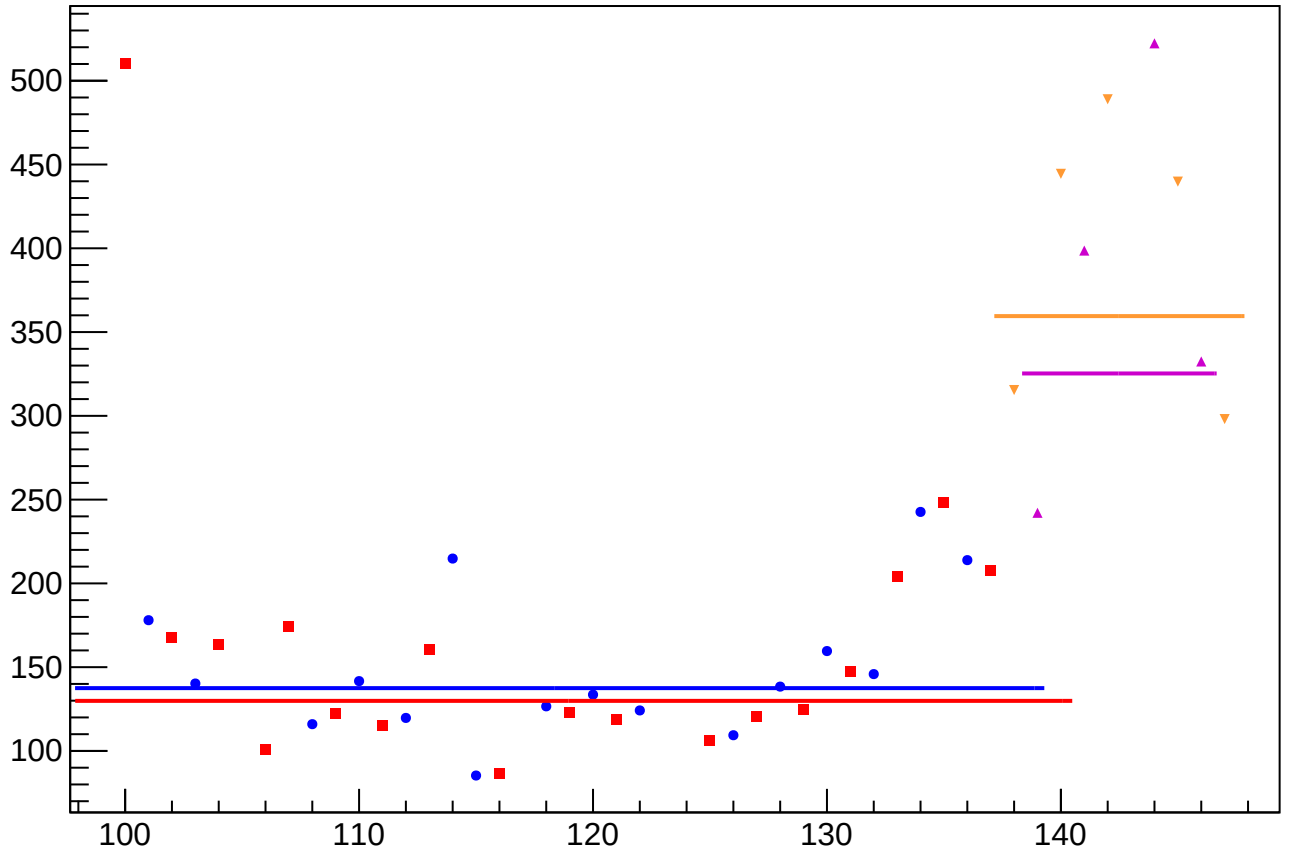
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: 0.211+/-0.194 χ²/NDF:10.2/4
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.097+/-0.184 χ²/NDF:7.9/3
Left: 0.049+/-0.133 χ²/NDF: 19.5/8
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.026+/-0.052 χ²/NDF:24.1/19
Out: 0.059+/-0.051 χ²/NDF:37.2/22
All: 0.018+/-0.036 χ²/NDF: 62.7/42



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 359.528+/-0.137 χ^2/NDF:269658.6/4

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.296+/-0.130 χ^2/NDF:495789.7/3

Left: 341.513+/-0.094 χ^2/NDF: 798238.2/8

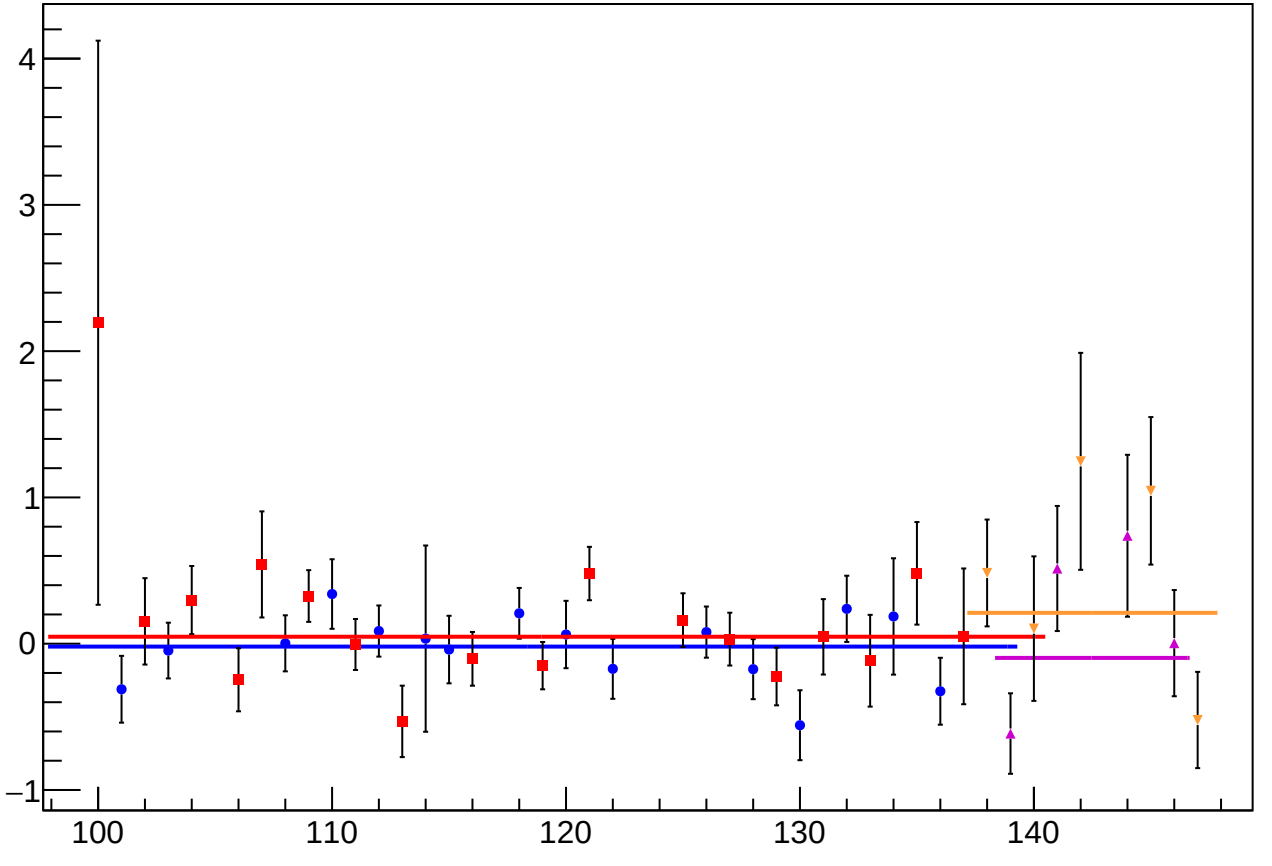
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 152.487+/-0.037 χ^2/NDF:3105590.4/19

Out: 145.563+/-0.036 χ^2/NDF:3716196.4/22

All: 148.936+/-0.026 χ^2/NDF: 6839980.4/42

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: 0.211+/-0.194 χ^2/NDF:10.2/4

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.097+/-0.184 χ^2/NDF:7.9/3

Left: 0.049+/-0.133 χ^2/NDF: 19.5/8

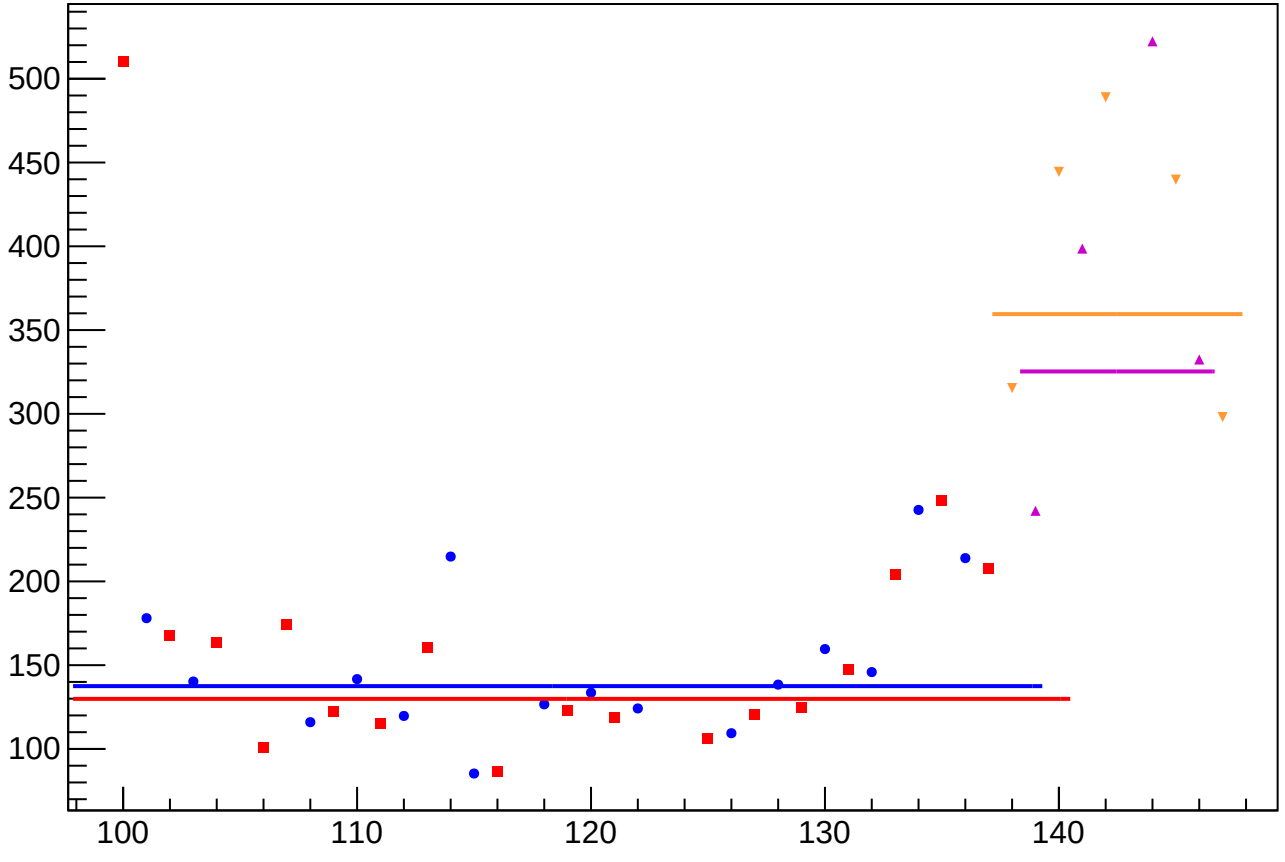
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.026+/-0.052 χ^2/NDF:24.1/19

Out: 0.059+/-0.051 χ^2/NDF:37.2/22

All: 0.018+/-0.036 χ^2/NDF: 62.7/42

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 359.528+/-0.137 χ^2/NDF:269658.6/4

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.296+/-0.130 χ^2/NDF:495789.7/3

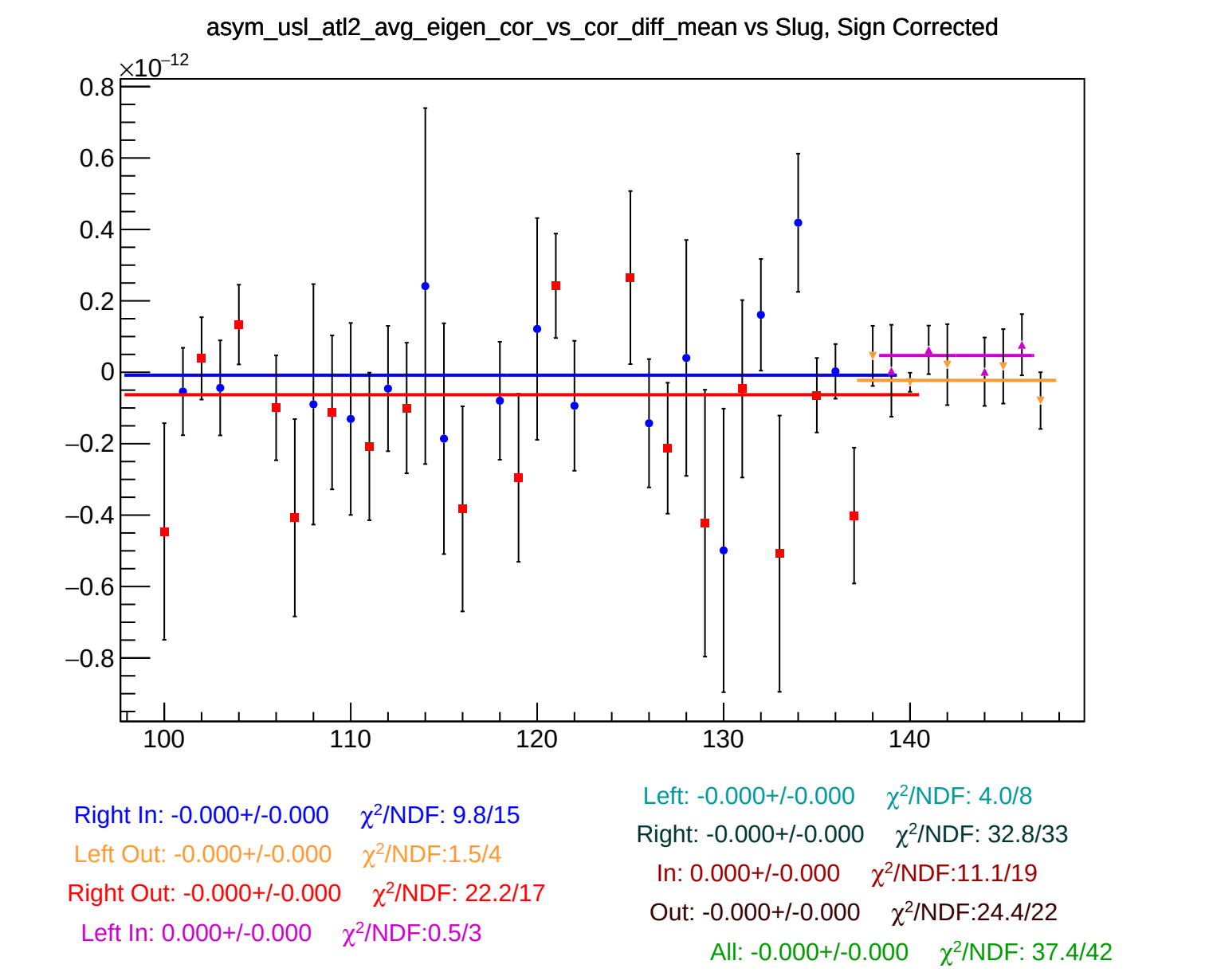
Left: 341.513+/-0.094 χ^2/NDF: 798238.2/8

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 152.487+/-0.037 χ^2/NDF:3105590.4/19

Out: 145.563+/-0.036 χ^2/NDF:3716196.4/22

All: 148.936+/-0.026 χ^2/NDF: 6839980.4/42


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
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−0.2
−0.4
−0.6
−0.8
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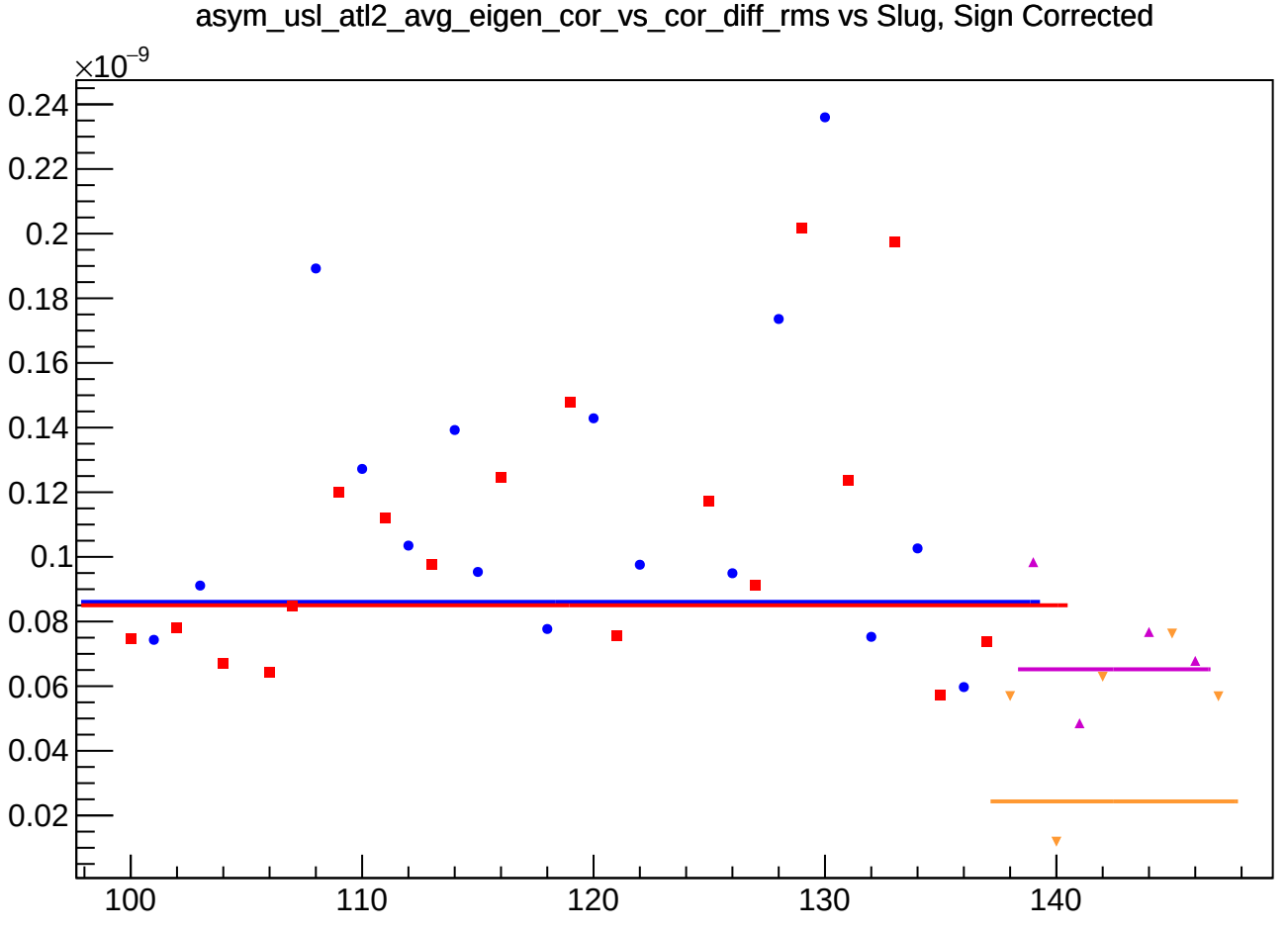
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.5/4
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: 0.000+/-0.000 χ²/NDF:0.5/3
Left: -0.000+/-0.000 χ²/NDF: 4.0/8
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: 0.000+/-0.000 χ²/NDF:11.1/19
Out: -0.000+/-0.000 χ²/NDF:24.4/22
All: -0.000+/-0.000 χ²/NDF: 37.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1799119.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:284265.4/3

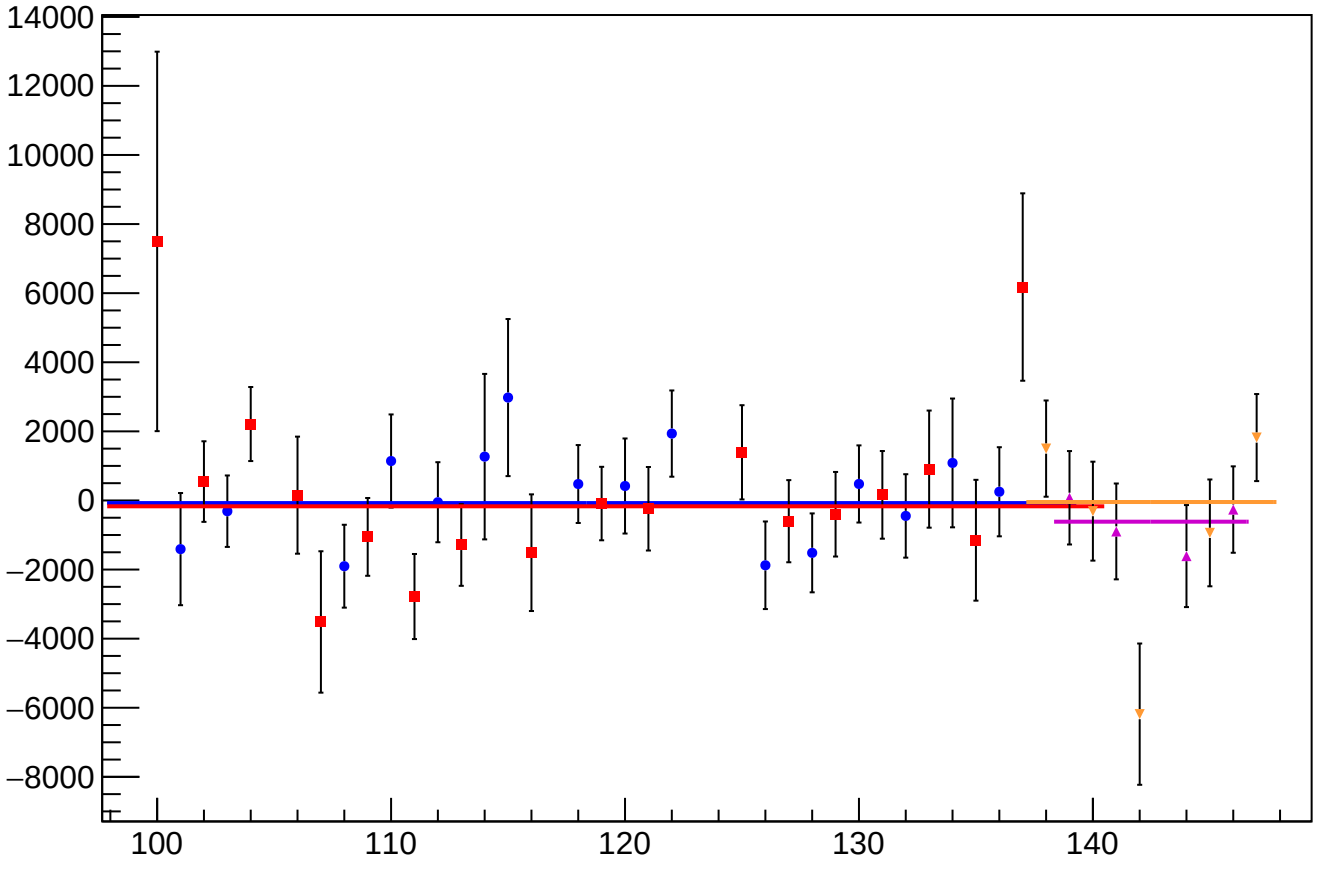
Left: 0.000+/-0.000 χ^2/NDF: 3447106.7/8

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1590228.8/19

Out: 0.000+/-0.000 χ^2/NDF:6017933.5/22

All: 0.000+/-0.000 χ^2/NDF: 9697808.1/42



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: -44.959+/-660.694 χ^2/NDF:12.8/4

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -614.535+/-679.645 χ^2/NDF:0.8/3

Left: -321.695+/-473.739 χ^2/NDF: 14.0/8

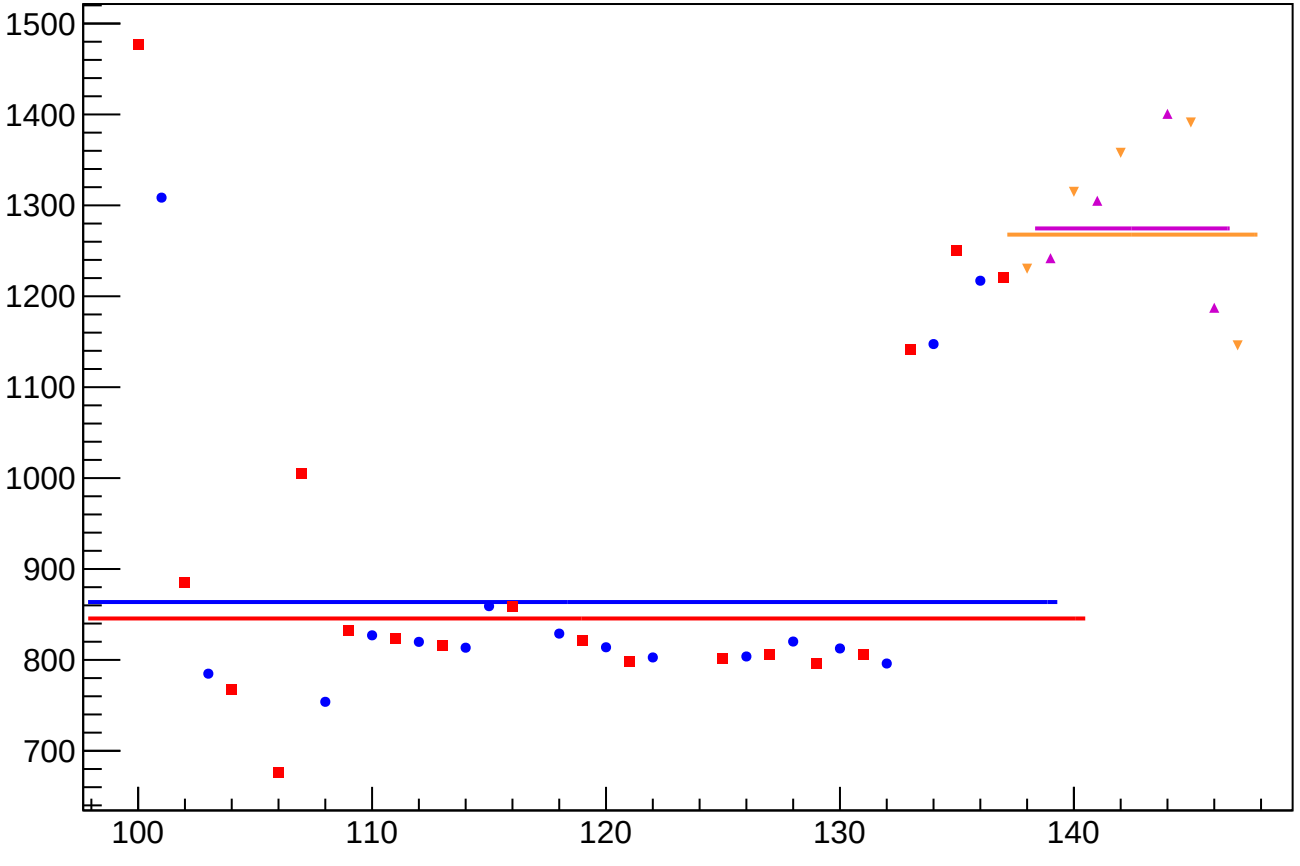
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -176.797+/-294.101 χ^2/NDF:14.7/19

Out: -145.492+/-289.328 χ^2/NDF:37.2/22

All: -160.888+/-206.253 χ^2/NDF: 51.9/42

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1267.824+/-0.467 χ^2/NDF:38916.8/4

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

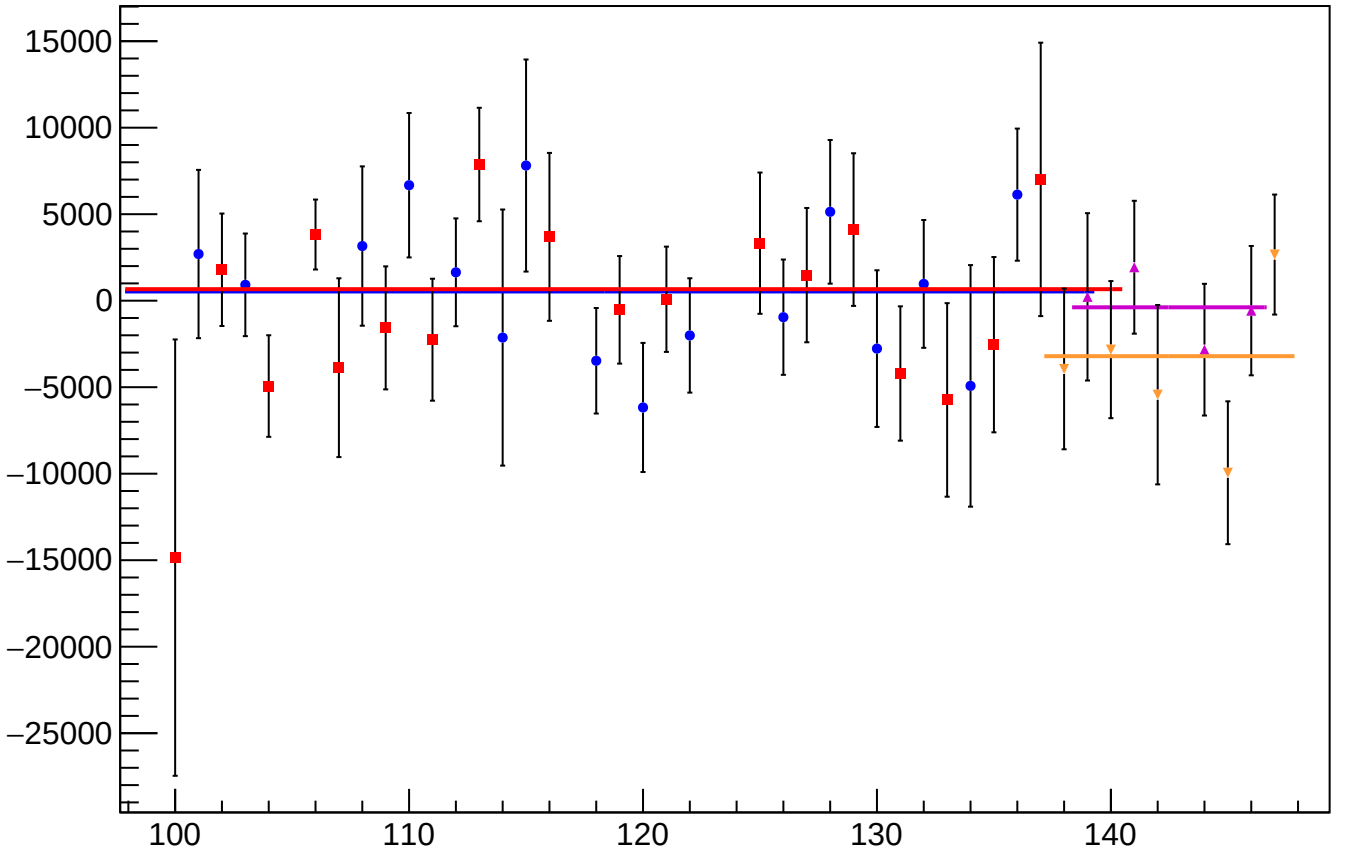
Left: 1271.127+/-0.335 χ^2/NDF: 65465.2/8

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 940.615+/-0.208 χ^2/NDF:1028263.2/19

Out: 924.937+/-0.203 χ^2/NDF:1010045.0/22

All: 932.569+/-0.145 χ^2/NDF: 2041224.8/42



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -3206.890+/-1860.098 χ^2/NDF:5.7/4

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -381.938+/-1995.444 χ^2/NDF:0.8/3

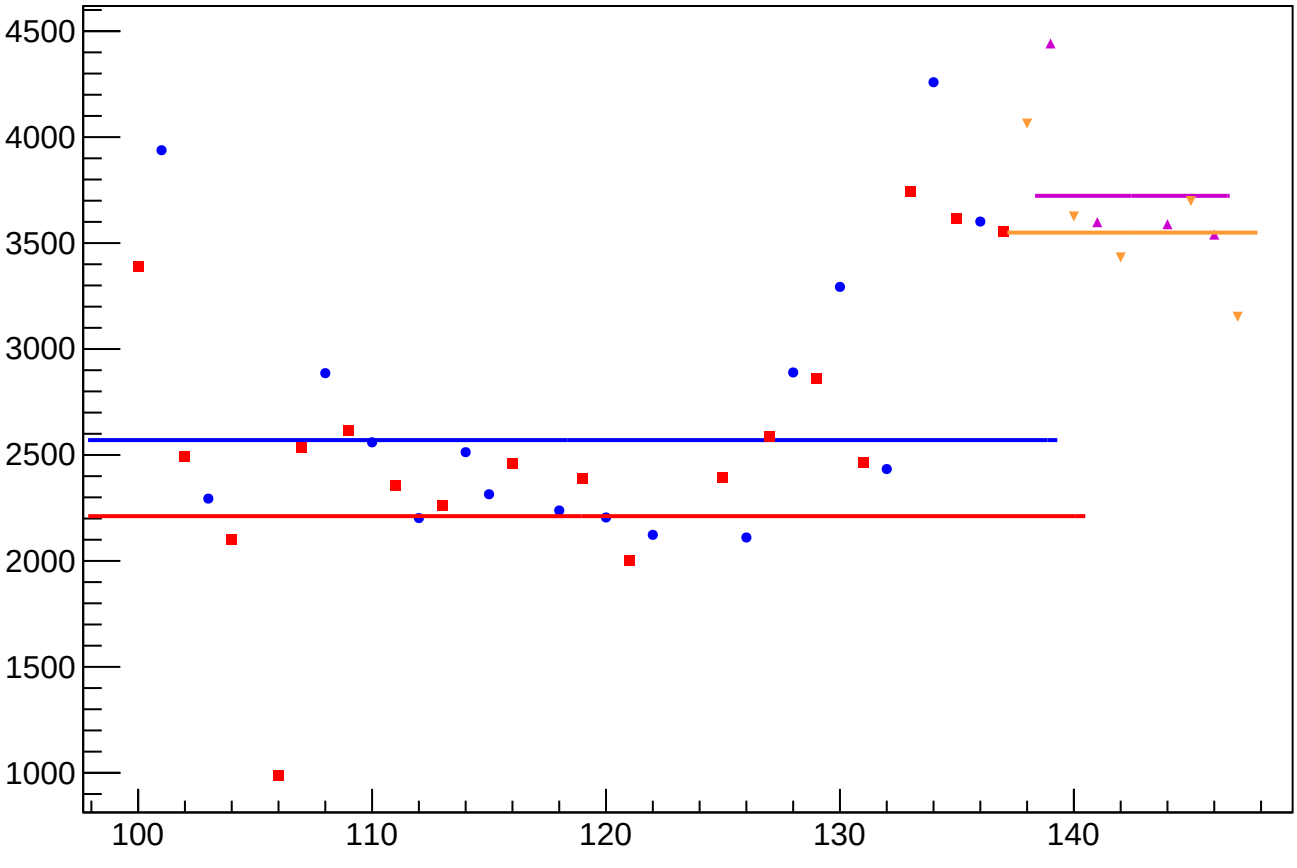
Left: -1893.460+/-1360.622 χ^2/NDF: 7.6/8

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 356.040+/-880.574 χ^2/NDF:15.6/19

Out: -22.669+/-784.318 χ^2/NDF:29.3/22

All: 144.863+/-585.683 χ^2/NDF: 45.0/42



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3549.507+/-1.315 χ^2/NDF:55081.5/4

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3723.019+/-1.411 χ^2/NDF:53593.1/3

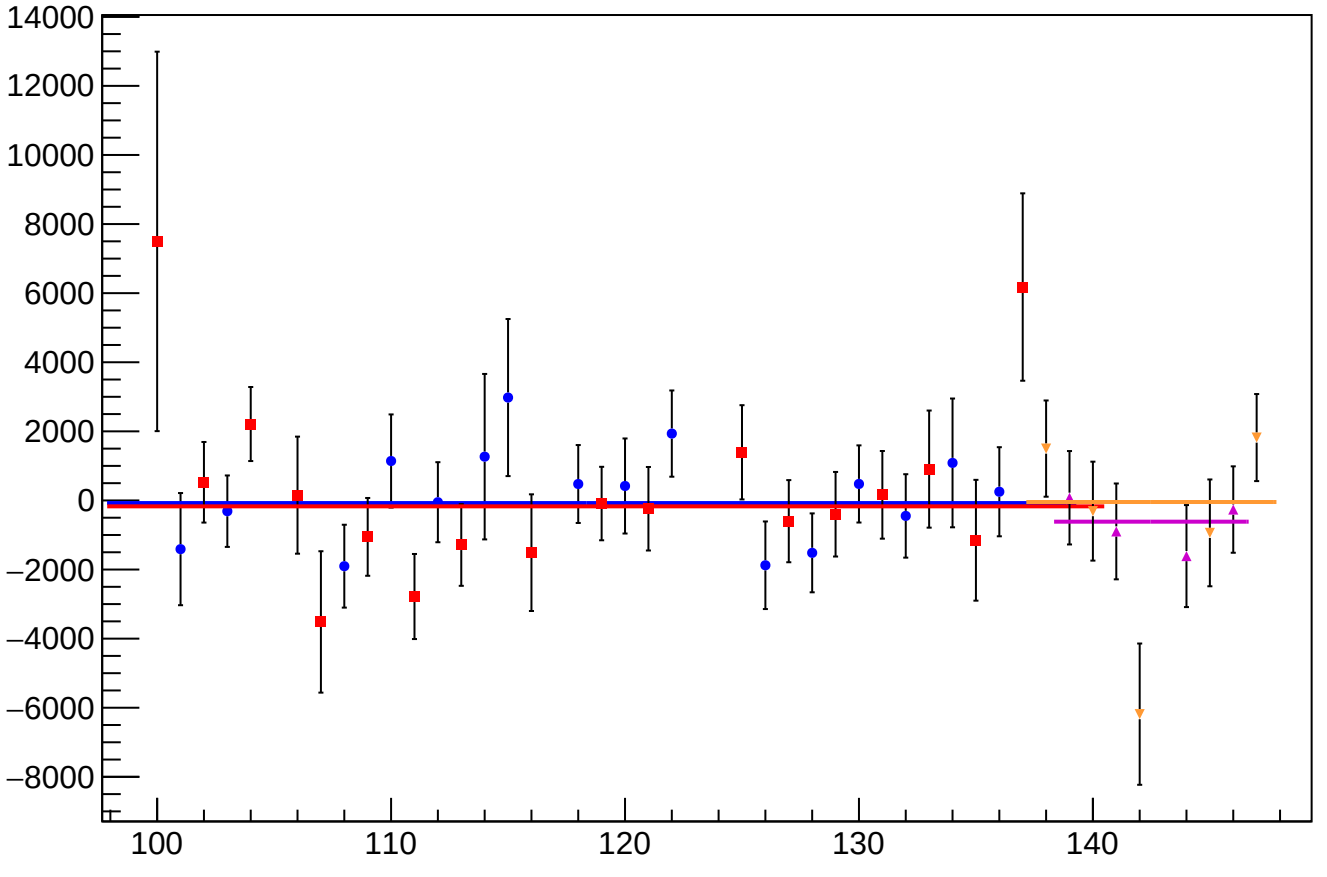
Left: 3630.179+/-0.962 χ^2/NDF: 116765.7/8

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2794.646+/-0.623 χ^2/NDF:1253670.3/19

Out: 2449.197+/-0.555 χ^2/NDF:2170320.5/22

All: 2602.016+/-0.414 χ^2/NDF: 3595625.8/42



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -45.117+/-660.694 χ^2/NDF:12.8/4

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -614.595+/-679.645 χ^2/NDF:0.8/3

Left: -321.805+/-473.739 χ^2/NDF: 14.0/8

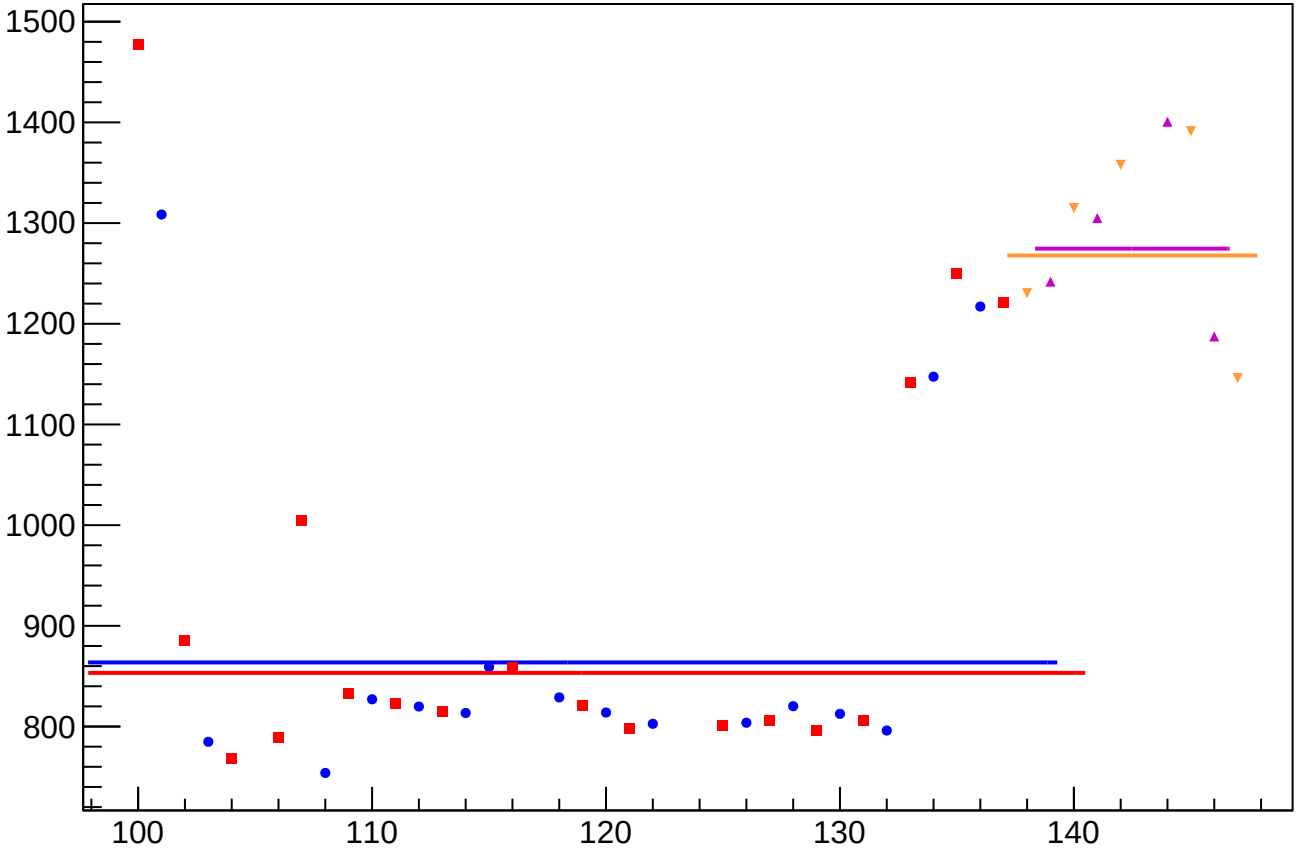
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -176.871+/-294.101 χ^2/NDF:14.7/19

Out: -146.844+/-289.331 χ^2/NDF:37.2/22

All: -161.612+/-206.254 χ^2/NDF: 51.9/42

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1267.824+/-0.467 χ^2/NDF:38916.8/4

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

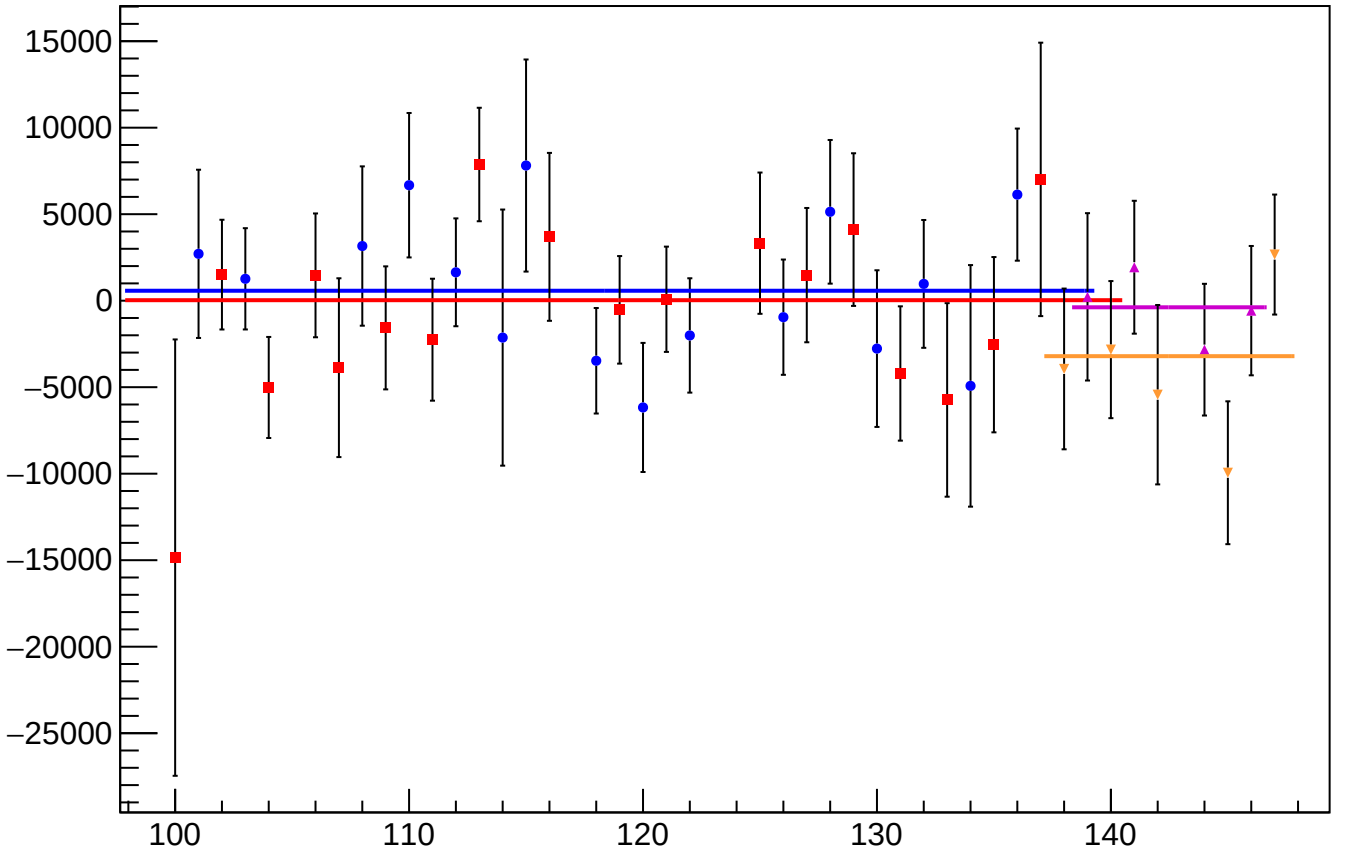
Left: 1271.127+/-0.335 χ^2/NDF: 65465.2/8

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 940.615+/-0.208 χ^2/NDF:1028263.1/19

Out: 932.123+/-0.204 χ^2/NDF:951865.9/22

All: 936.282+/-0.146 χ^2/NDF: 1980979.7/42



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3207.018+/-1860.100 χ^2/NDF:5.7/4

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -381.957+/-1995.443 χ^2/NDF:0.8/3

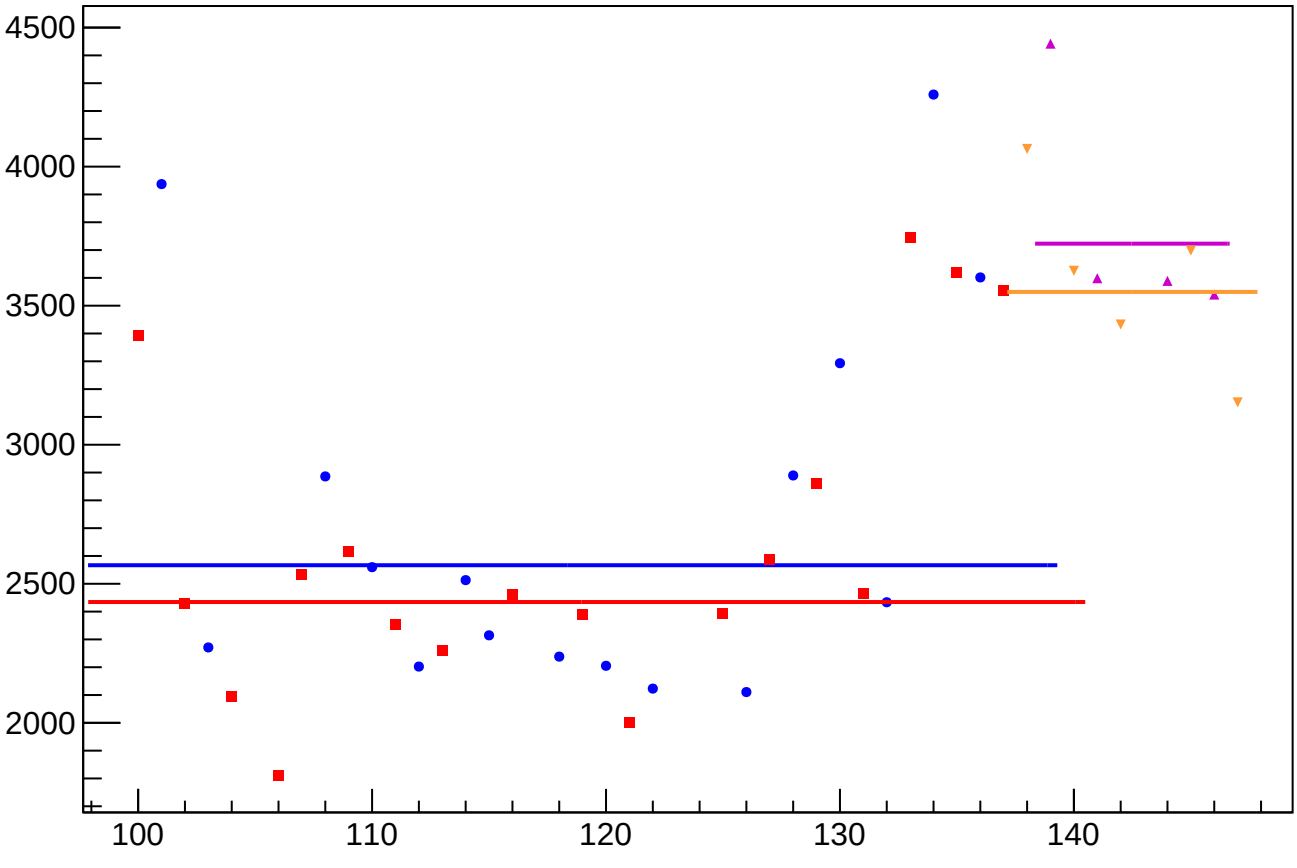
Left: -1893.535+/-1360.622 χ^2/NDF: 7.6/8

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 389.053+/-879.537 χ^2/NDF:15.7/19

Out: -609.694+/-826.170 χ^2/NDF:25.4/22

All: -141.539+/-602.173 χ^2/NDF: 41.7/42



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3549.511+/-1.315 χ^2/NDF:55079.2/4

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3723.016+/-1.411 χ^2/NDF:53592.6/3

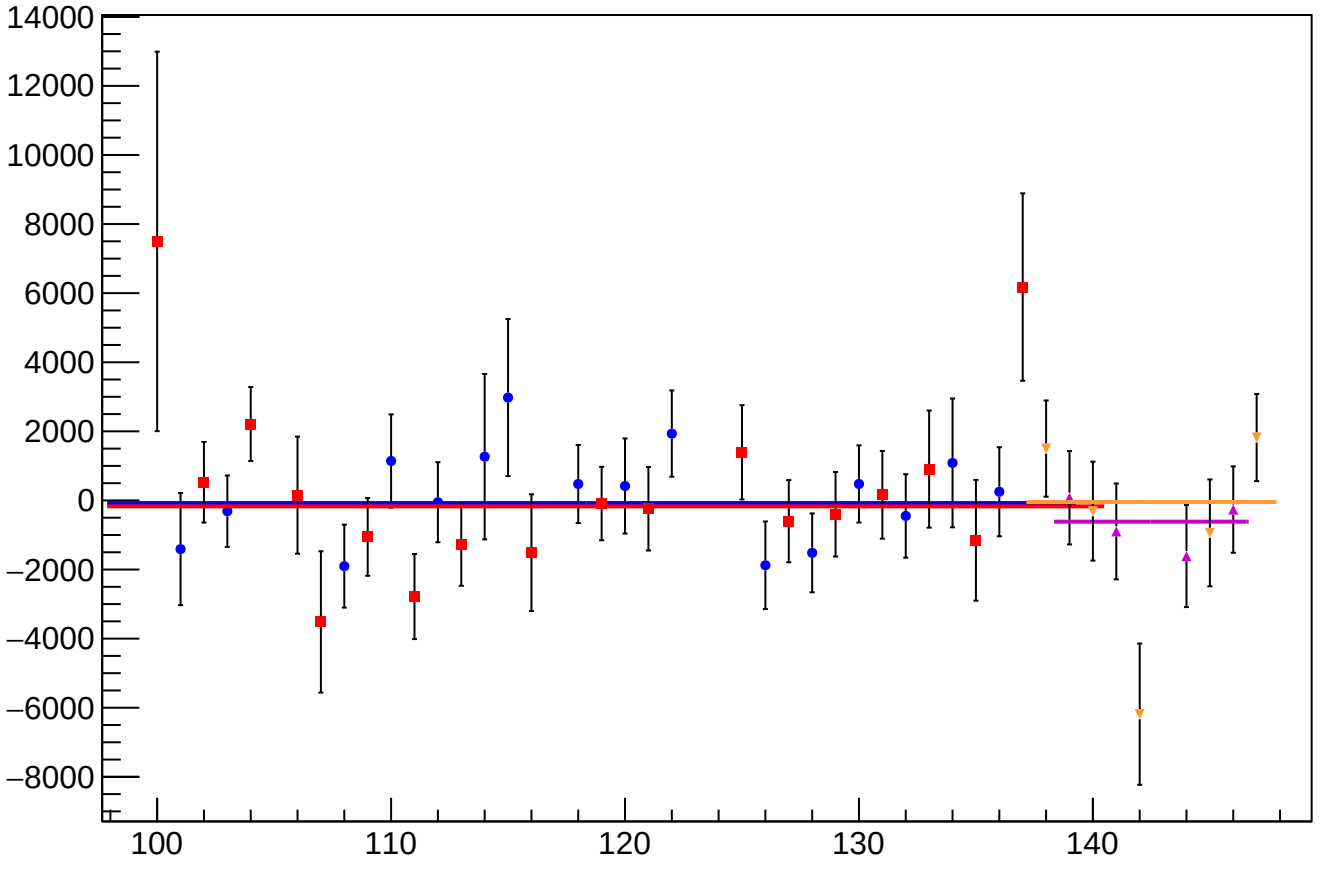
Left: 3630.180+/-0.962 χ^2/NDF: 116762.4/8

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2791.376+/-0.622 χ^2/NDF:1260547.1/19

Out: 2654.405+/-0.584 χ^2/NDF:1066108.7/22

All: 2718.609+/-0.426 χ^2/NDF: 2352424.1/42



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: -45.117+/-660.694 χ^2/NDF:12.8/4

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -614.595+/-679.645 χ^2/NDF:0.8/3

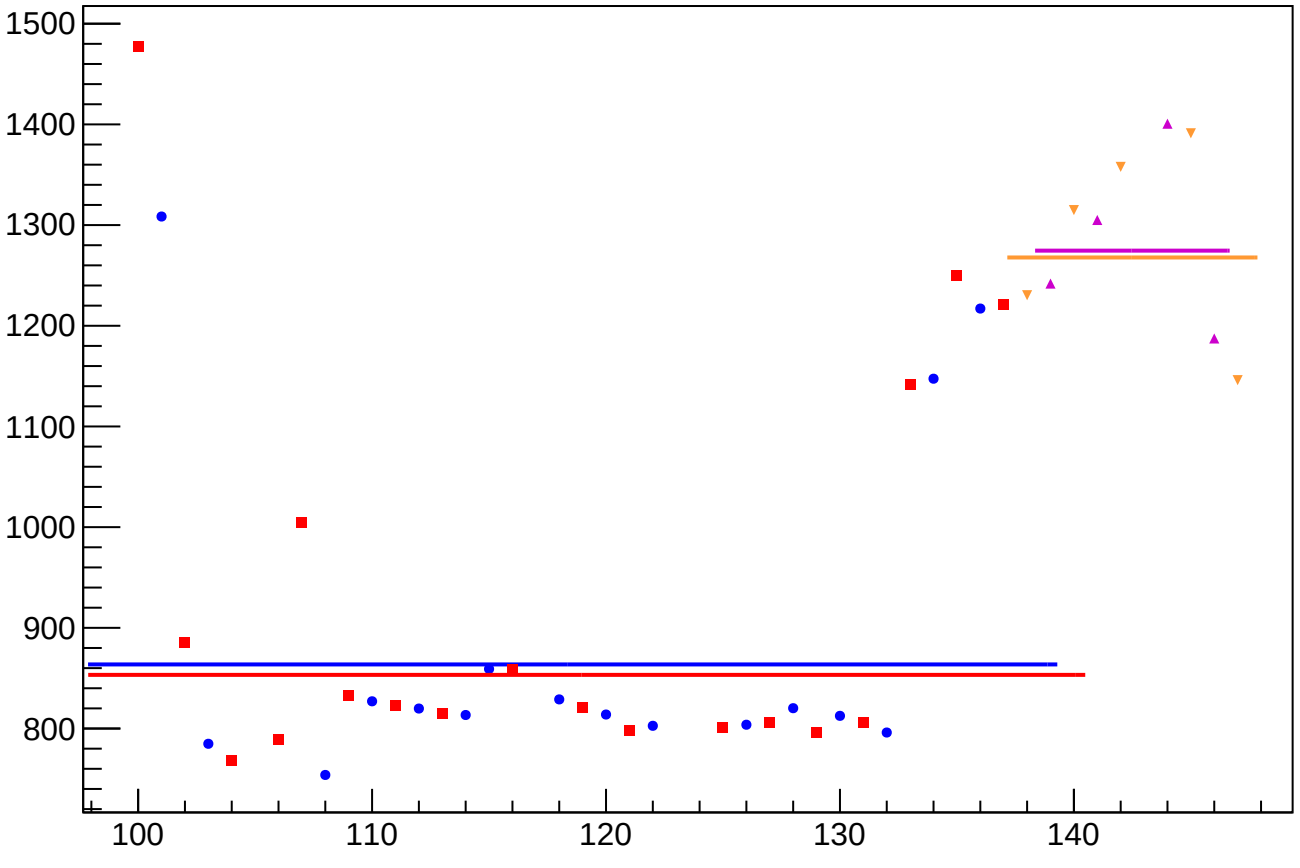
Left: -321.805+/-473.739 χ^2/NDF: 14.0/8

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -176.871+/-294.101 χ^2/NDF:14.7/19

Out: -146.844+/-289.331 χ^2/NDF:37.2/22

All: -161.612+/-206.254 χ^2/NDF: 51.9/42



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1267.824+/-0.467 χ^2/NDF:38916.8/4

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1274.621+/-0.481 χ^2/NDF:26445.5/3

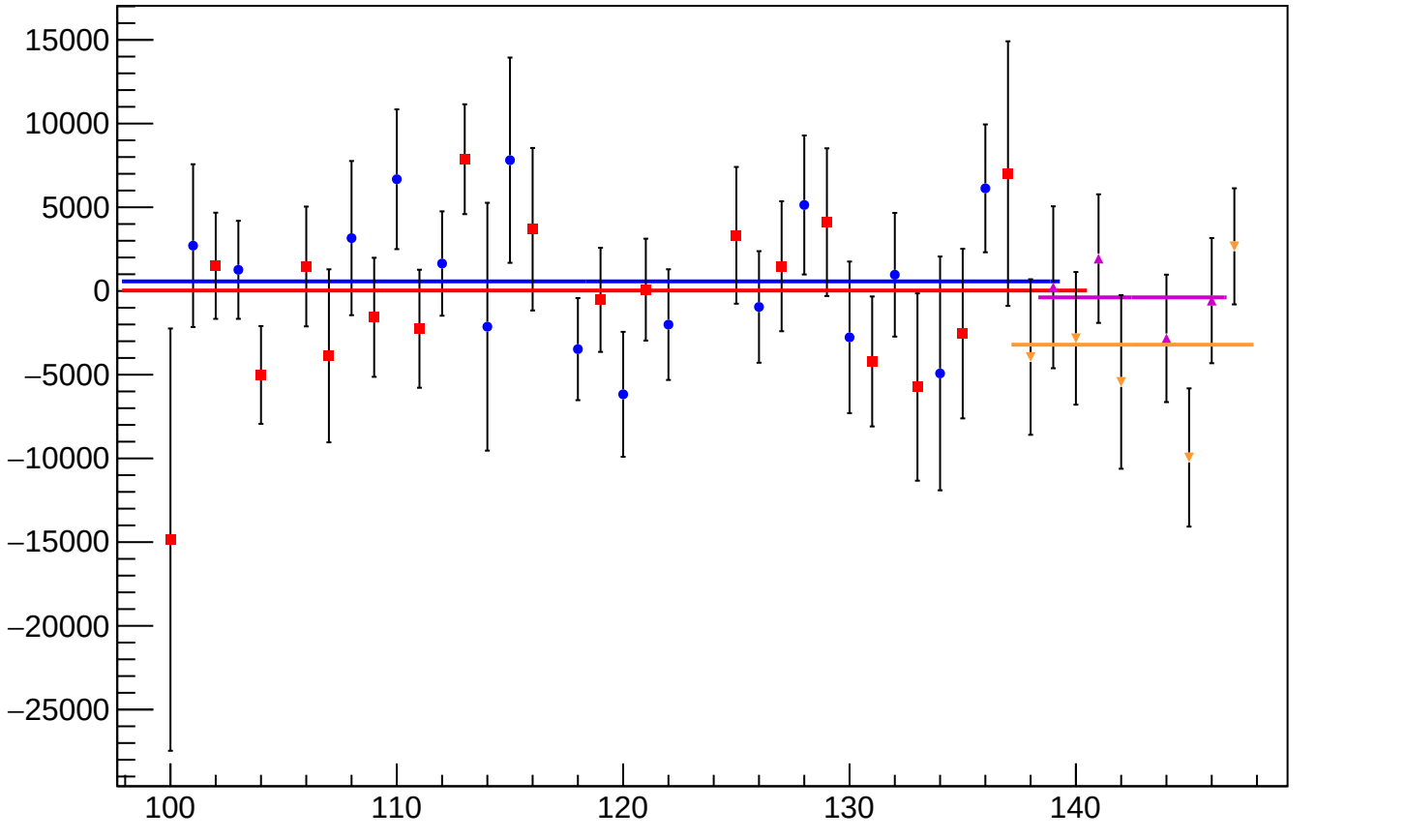
Left: 1271.127+/-0.335 χ^2/NDF: 65465.2/8

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 940.615+/-0.208 χ^2/NDF:1028263.1/19

Out: 932.123+/-0.204 χ^2/NDF:951865.9/22

All: 936.282+/-0.146 χ^2/NDF: 1980979.7/42



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -3207.018+/-1860.100 χ^2/NDF:5.7/4

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -381.957+/-1995.443 χ^2/NDF:0.8/3

Left: -1893.535+/-1360.622 χ^2/NDF: 7.6/8

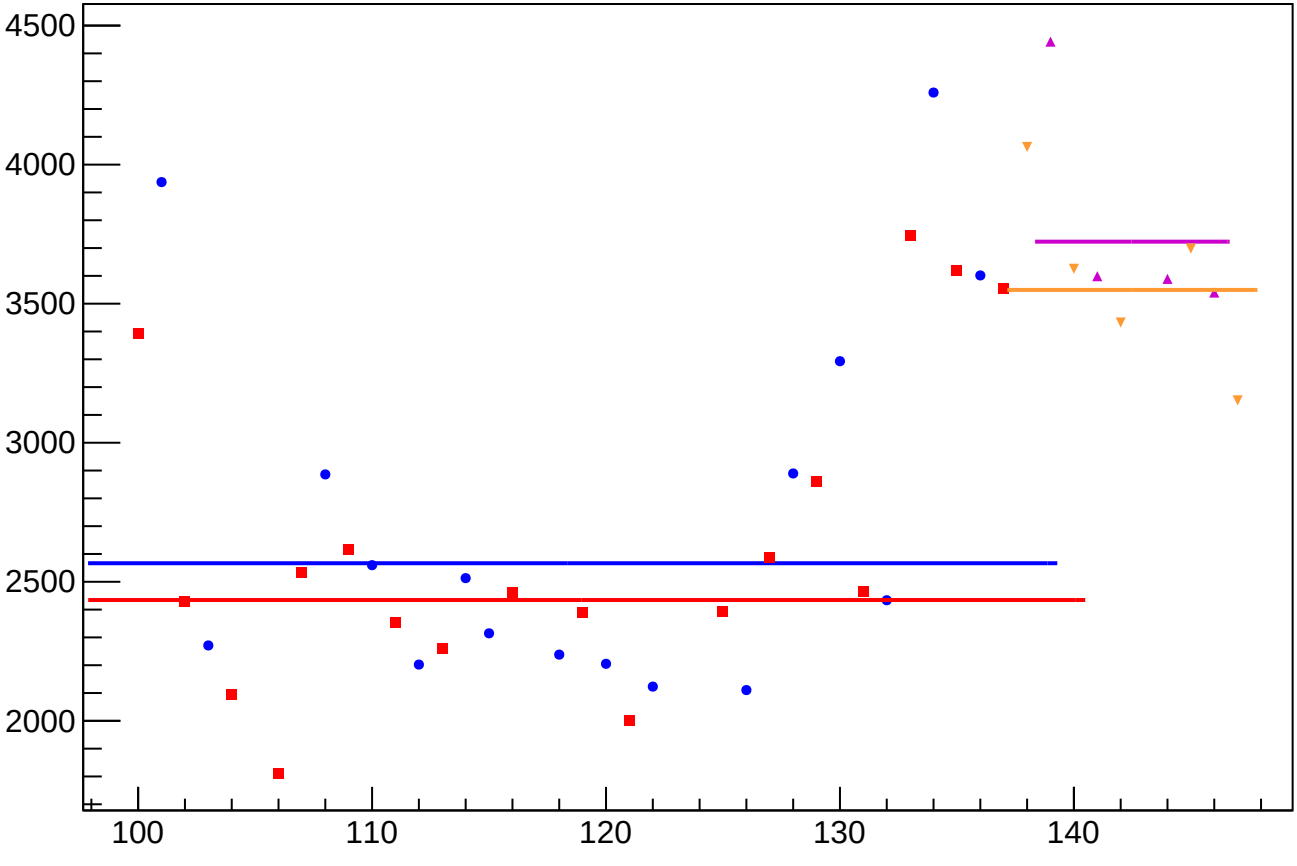
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 389.053+/-879.537 χ^2/NDF:15.7/19

Out: -609.694+/-826.170 χ^2/NDF:25.4/22

All: -141.539+/-602.173 χ^2/NDF: 41.7/42

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3549.511+/-1.315 χ^2/NDF:55079.2/4

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3723.016+/-1.411 χ^2/NDF:53592.6/3

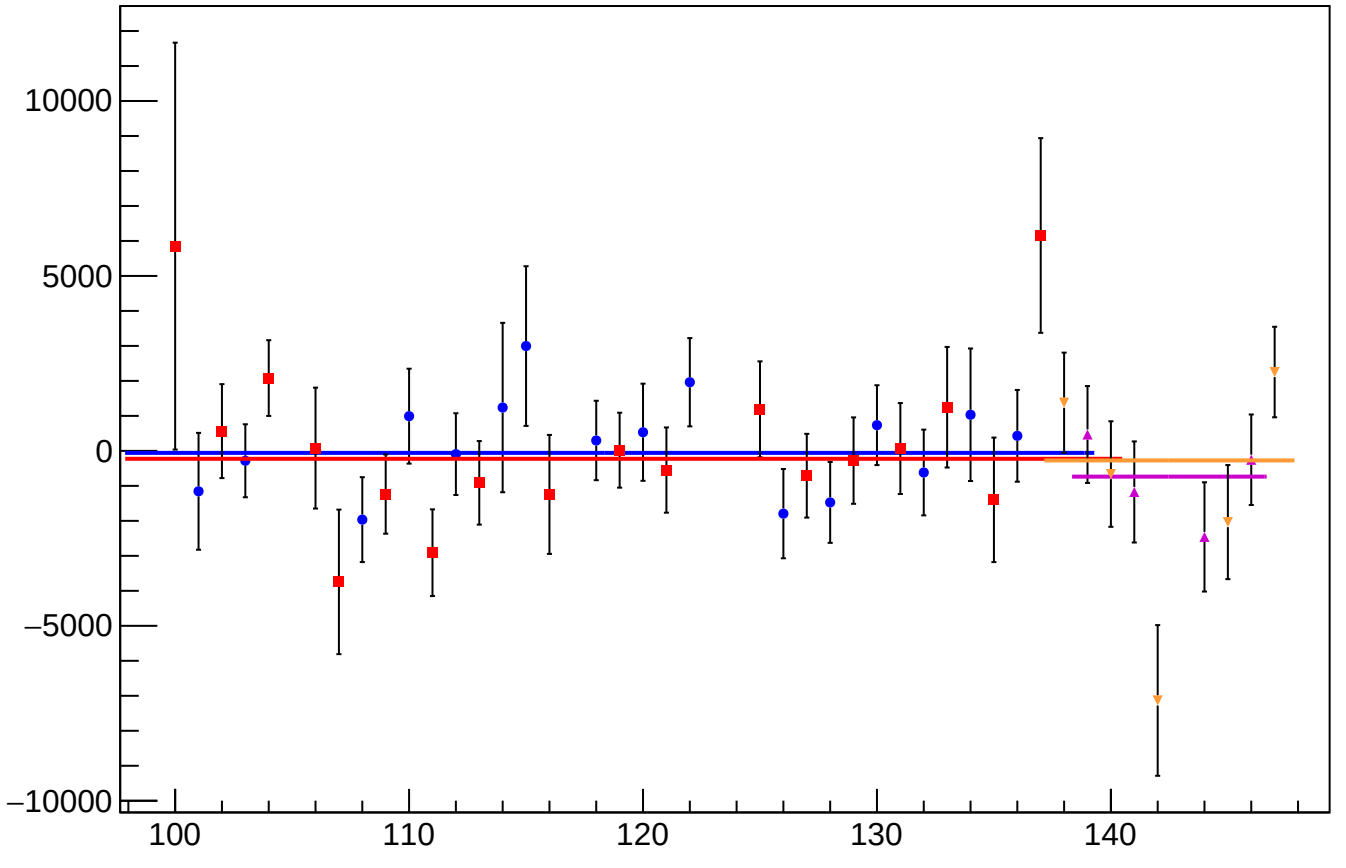
Left: 3630.180+/-0.962 χ^2/NDF: 116762.4/8

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2791.376+/-0.622 χ^2/NDF:1260547.1/19

Out: 2654.405+/-0.584 χ^2/NDF:1066108.7/22

All: 2718.609+/-0.426 χ^2/NDF: 2352424.1/42



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: -272.772+/-687.305 χ^2/NDF:16.5/4

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -735.889+/-705.577 χ^2/NDF:2.2/3

Left: -498.256+/-492.331 χ^2/NDF: 19.0/8

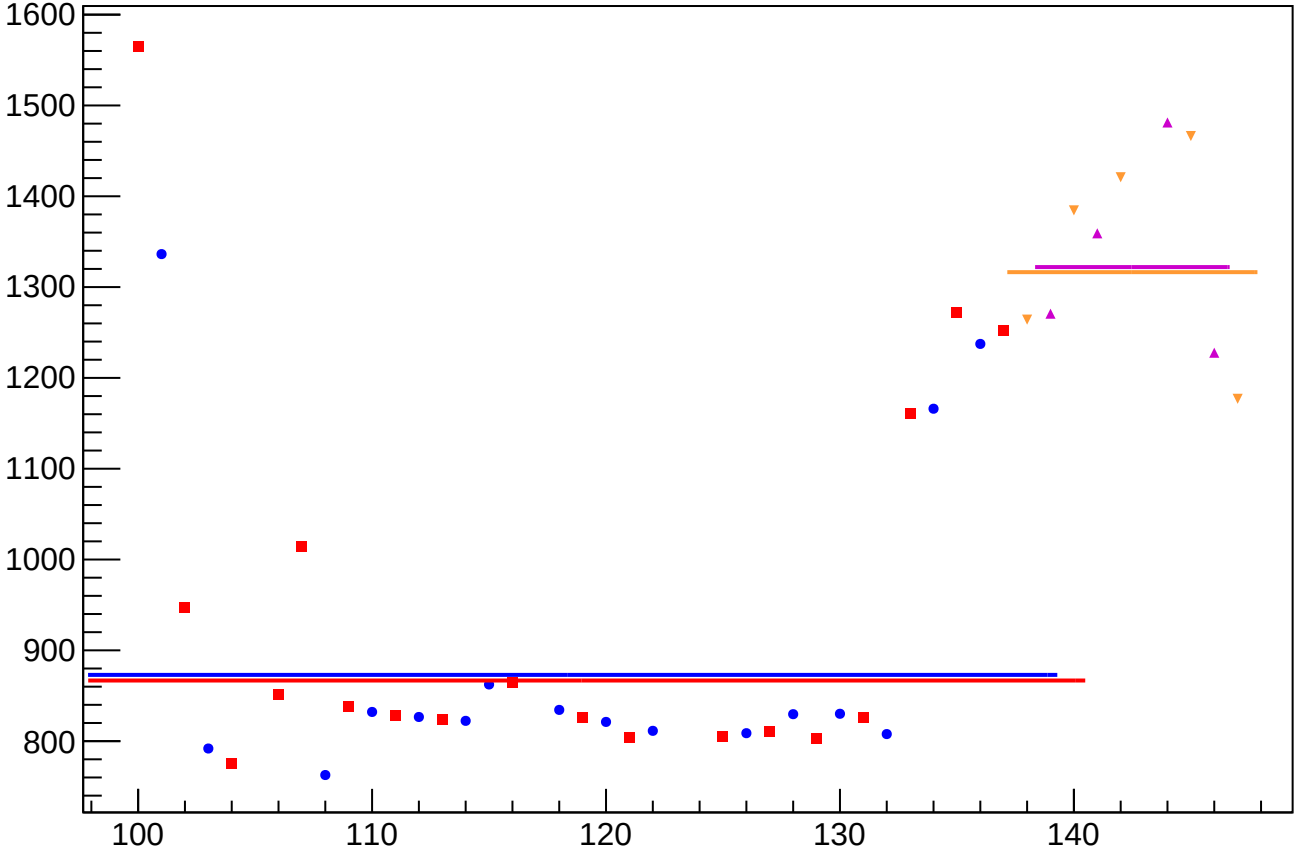
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -179.073+/-298.987 χ^2/NDF:15.9/19

Out: -234.740+/-296.070 χ^2/NDF:39.4/22

All: -207.180+/-210.377 χ^2/NDF: 55.4/42

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1316.445+/-0.486 χ^2/NDF:51584.6/4

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1322.032+/-0.499 χ^2/NDF:35499.8/3

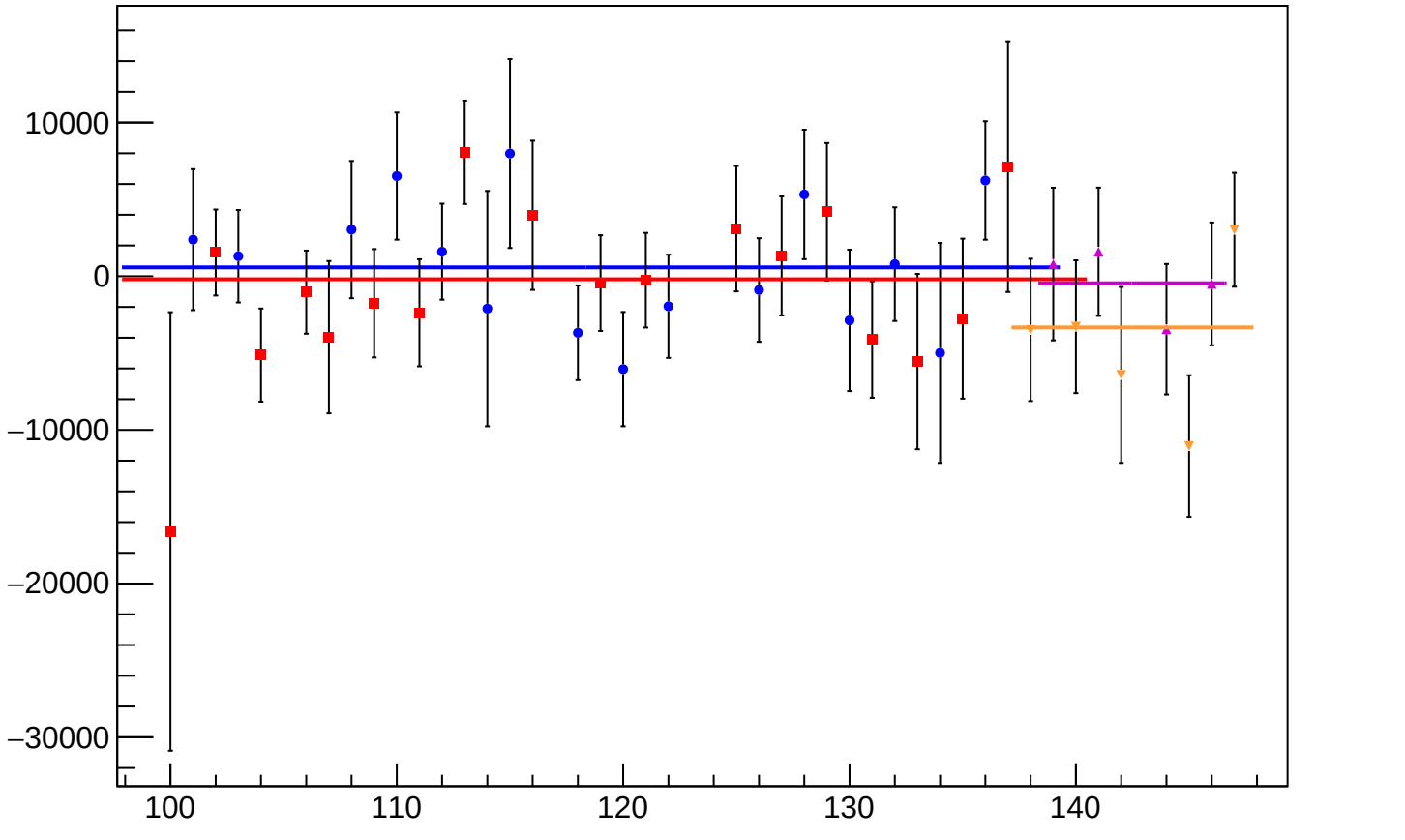
Left: 1319.165+/-0.348 χ^2/NDF: 87148.7/8

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 953.606+/-0.211 χ^2/NDF:1117252.5/19

Out: 950.080+/-0.209 χ^2/NDF:1039467.2/22

All: 951.824+/-0.149 χ^2/NDF: 2156860.2/42



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -3333.701+/-1996.825 χ^2/NDF:6.0/4

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -458.954+/-2150.818 χ^2/NDF:0.8/3

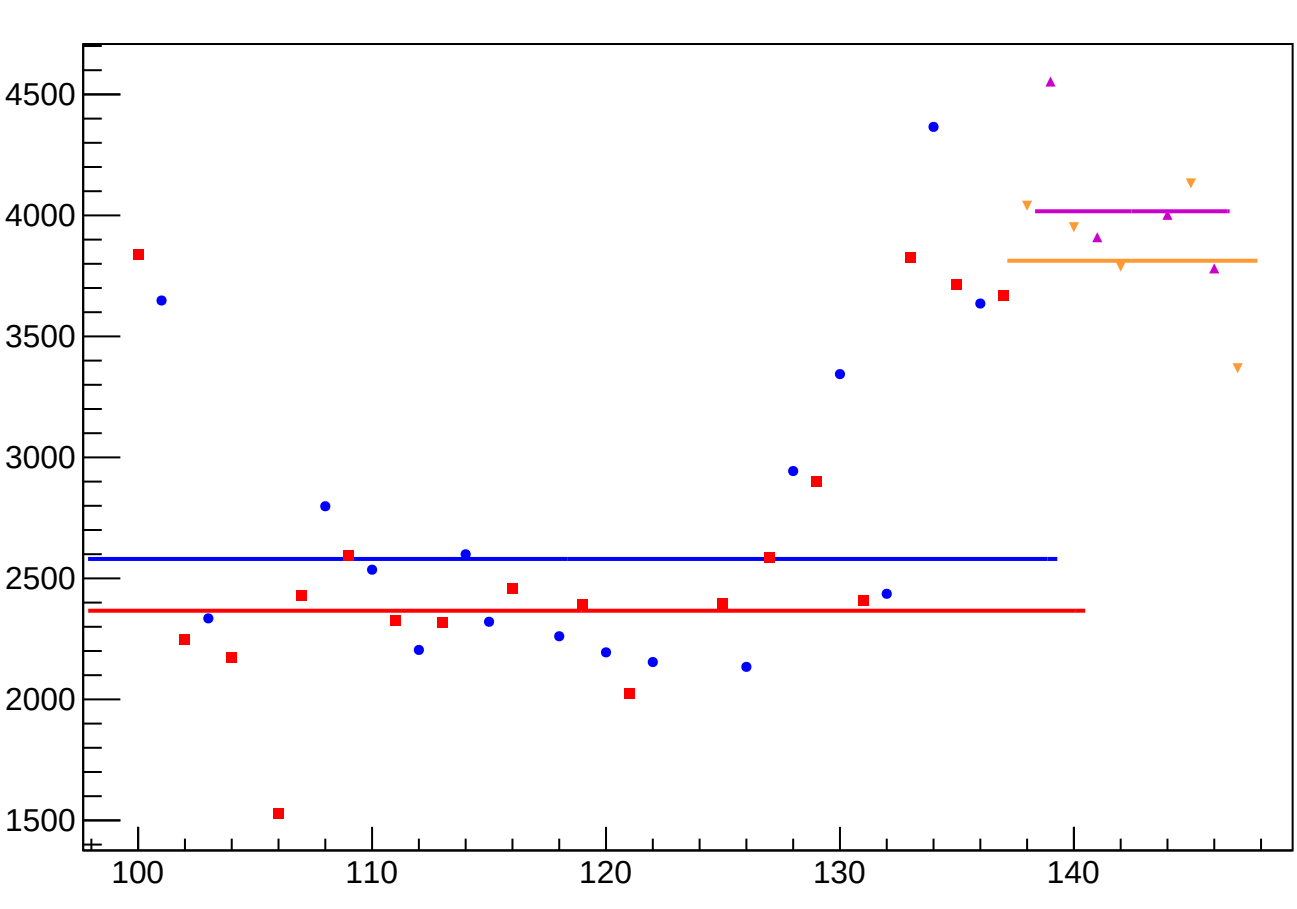
Left: -2002.914+/-1463.383 χ^2/NDF: 7.8/8

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 396.000+/-895.470 χ^2/NDF:15.7/19

Out: -721.665+/-816.048 χ^2/NDF:25.3/22

All: -214.585+/-603.161 χ^2/NDF: 41.8/42



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3812.659+/-1.412 χ^2/NDF:45290.5/4

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4017.068+/-1.521 χ^2/NDF:31634.7/3

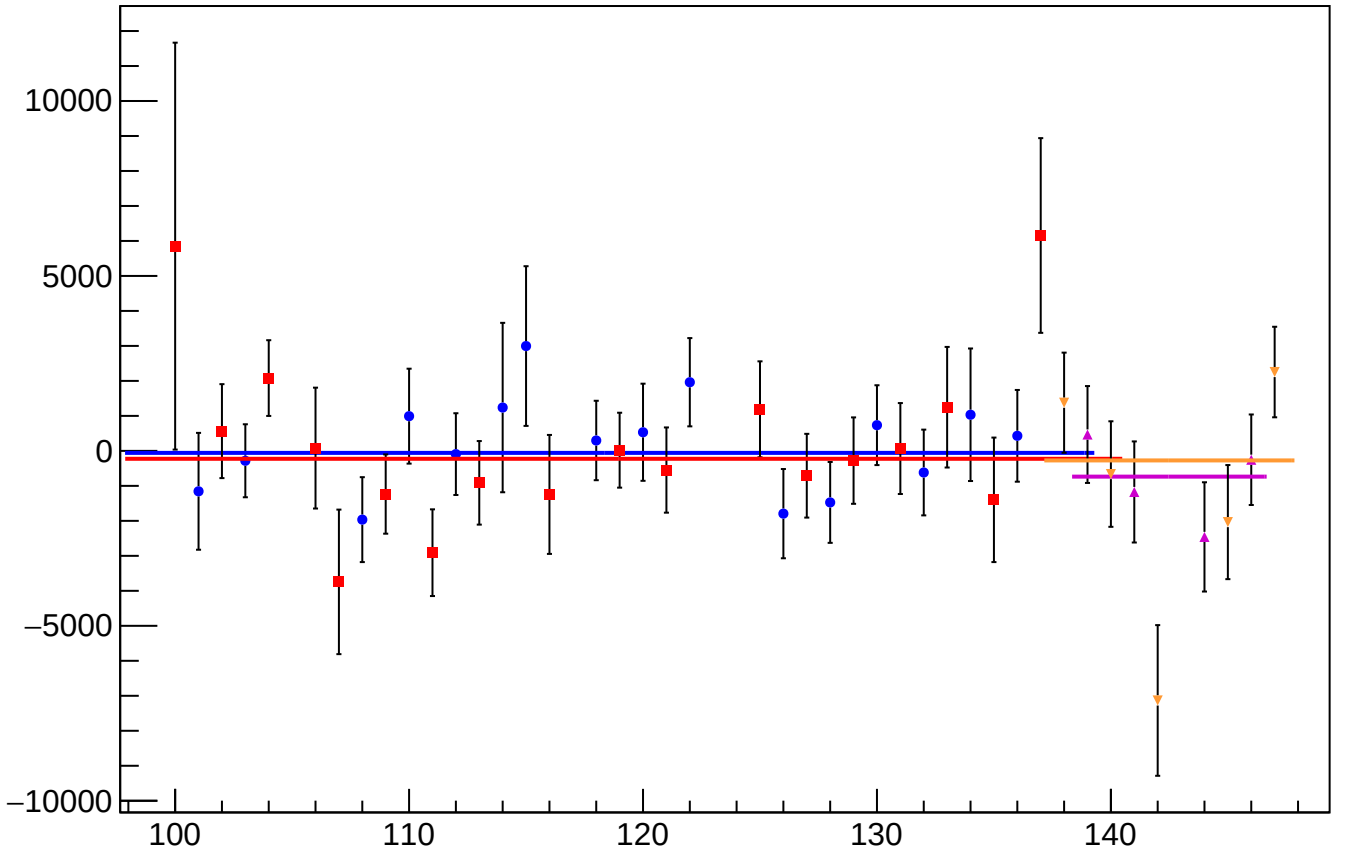
Left: 3907.284+/-1.035 χ^2/NDF: 86627.2/8

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2829.410+/-0.633 χ^2/NDF:1386486.8/19

Out: 2607.955+/-0.577 χ^2/NDF:1530907.7/22

All: 2708.428+/-0.426 χ^2/NDF: 2984219.2/42



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: -272.781+/-687.306 χ^2/NDF:16.5/4

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -735.891+/-705.578 χ^2/NDF:2.2/3

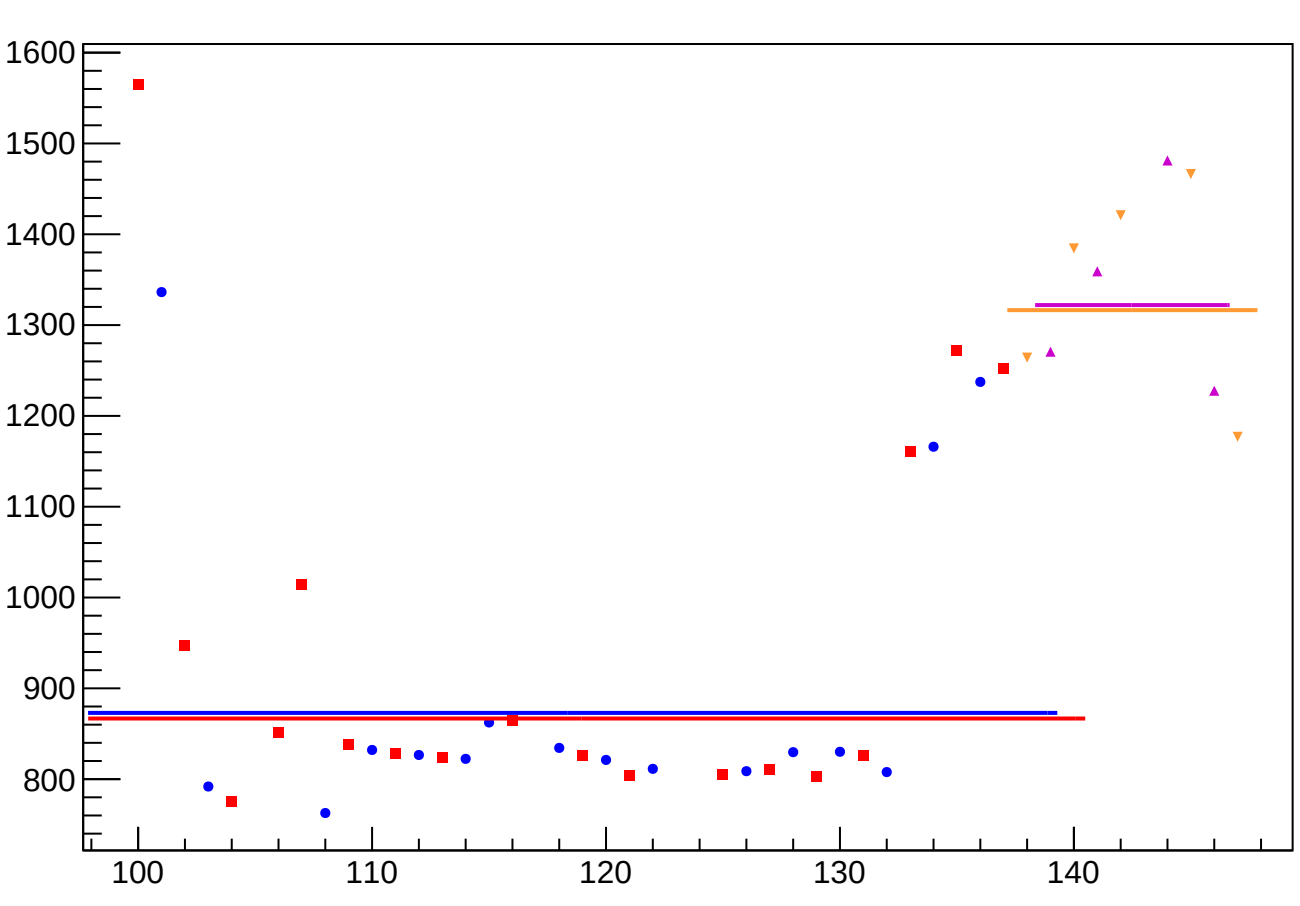
Left: -498.262+/-492.332 χ^2/NDF: 19.0/8

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -179.076+/-298.987 χ^2/NDF:15.9/19

Out: -234.744+/-296.070 χ^2/NDF:39.4/22

All: -207.183+/-210.377 χ^2/NDF: 55.4/42



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1316.446+/-0.486 χ^2/NDF:51585.8/4

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1322.033+/-0.499 χ^2/NDF:35500.1/3

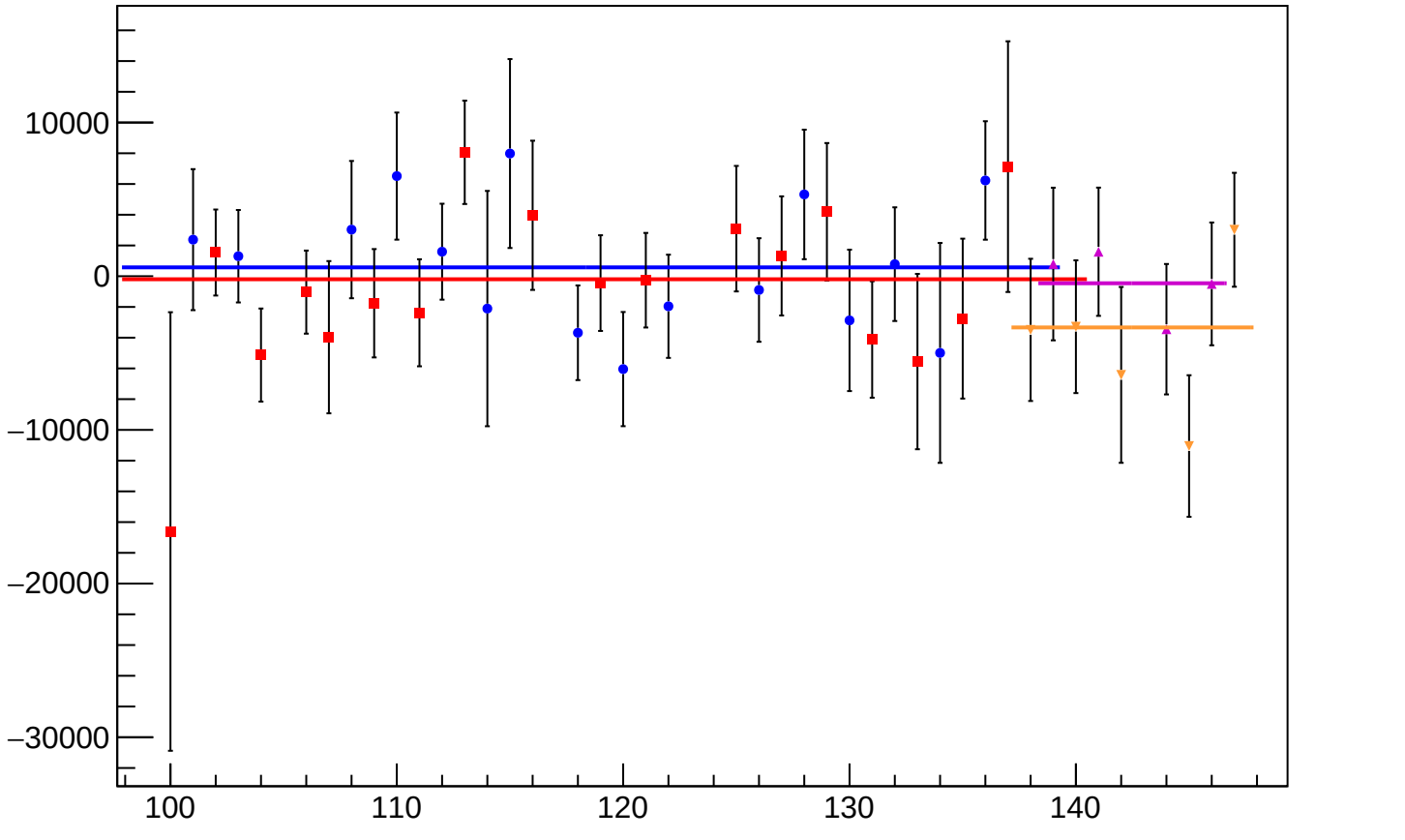
Left: 1319.166+/-0.348 χ^2/NDF: 87150.2/8

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 953.606+/-0.211 χ^2/NDF:1117255.3/19

Out: 950.080+/-0.209 χ^2/NDF:1039470.5/22

All: 951.824+/-0.149 χ^2/NDF: 2156866.3/42



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -3333.707+/-1996.829 χ^2/NDF:6.0/4

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -458.955+/-2150.823 χ^2/NDF:0.8/3

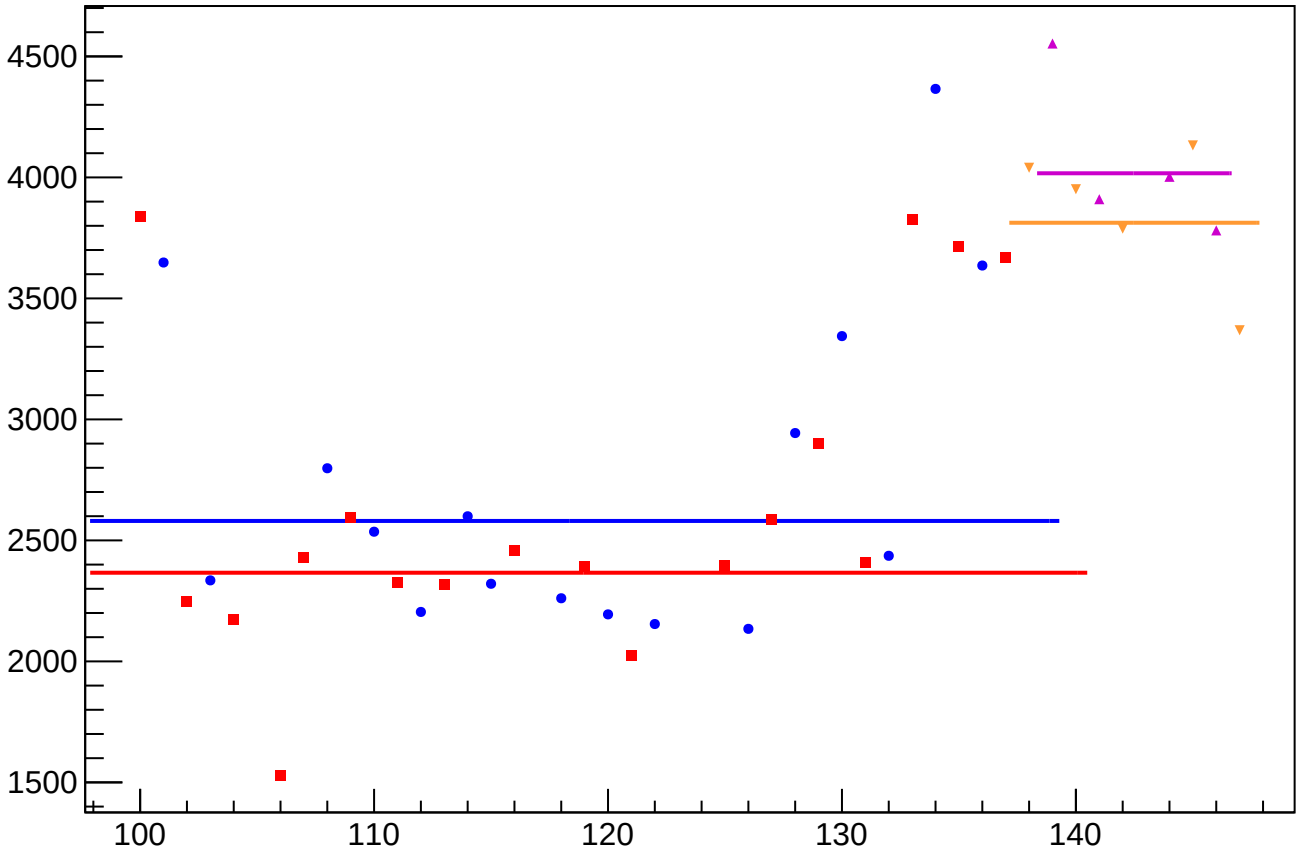
Left: -2002.917+/-1463.387 χ^2/NDF: 7.8/8

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 395.998+/-895.468 χ^2/NDF:15.7/19

Out: -721.663+/-816.046 χ^2/NDF:25.3/22

All: -214.585+/-603.159 χ^2/NDF: 41.8/42



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3812.666+/-1.412 χ^2/NDF:45292.1/4

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4017.076+/-1.521 χ^2/NDF:31635.7/3

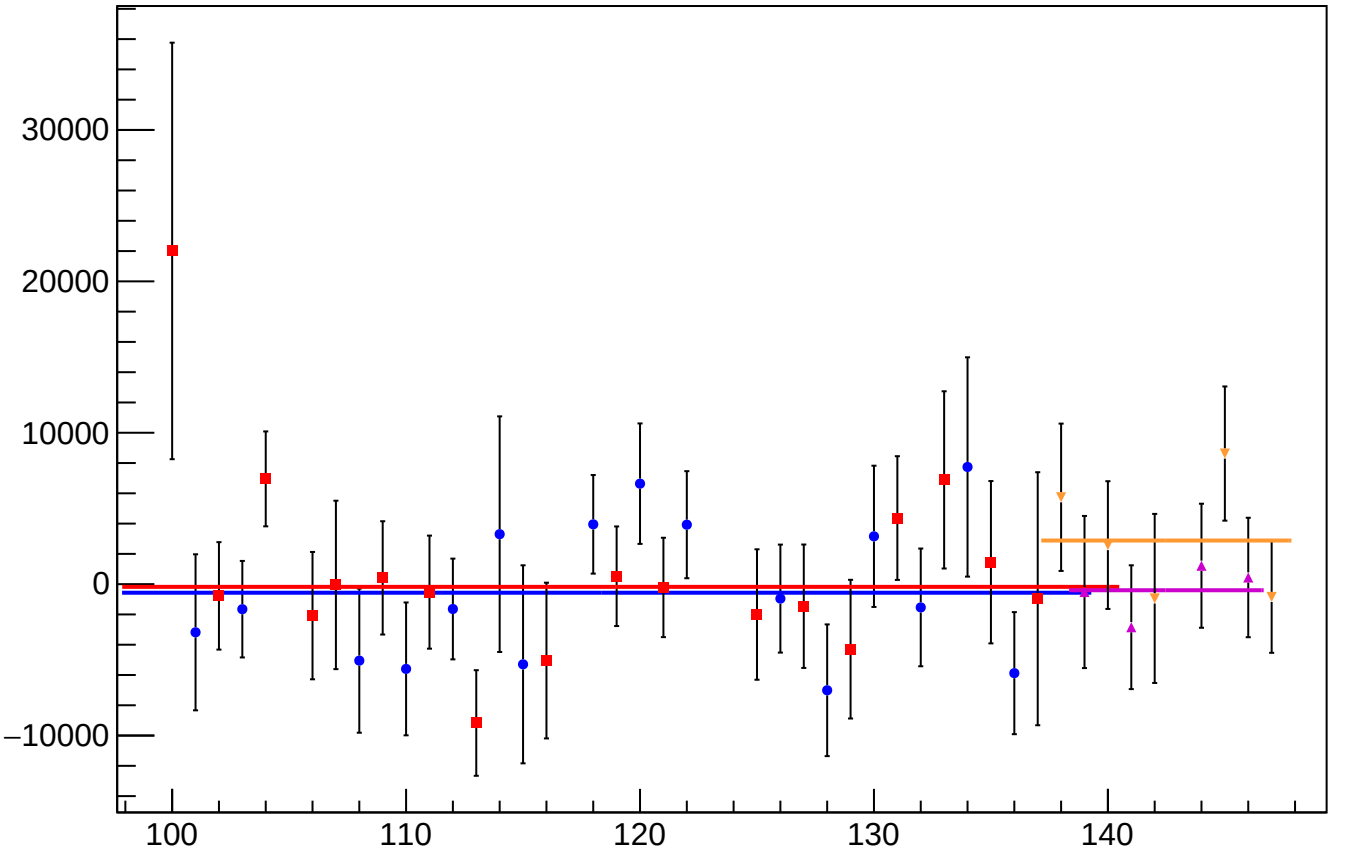
Left: 3907.292+/-1.035 χ^2/NDF: 86629.8/8

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2829.403+/-0.633 χ^2/NDF:1386510.1/19

Out: 2607.948+/-0.577 χ^2/NDF:1530928.0/22

All: 2708.421+/-0.426 χ^2/NDF: 2984262.3/42



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 2882.386+/-1981.000 χ^2/NDF:3.5/4

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -402.545+/-2116.431 χ^2/NDF:0.6/3

Left: 1348.378+/-1446.288 χ^2/NDF: 5.4/8

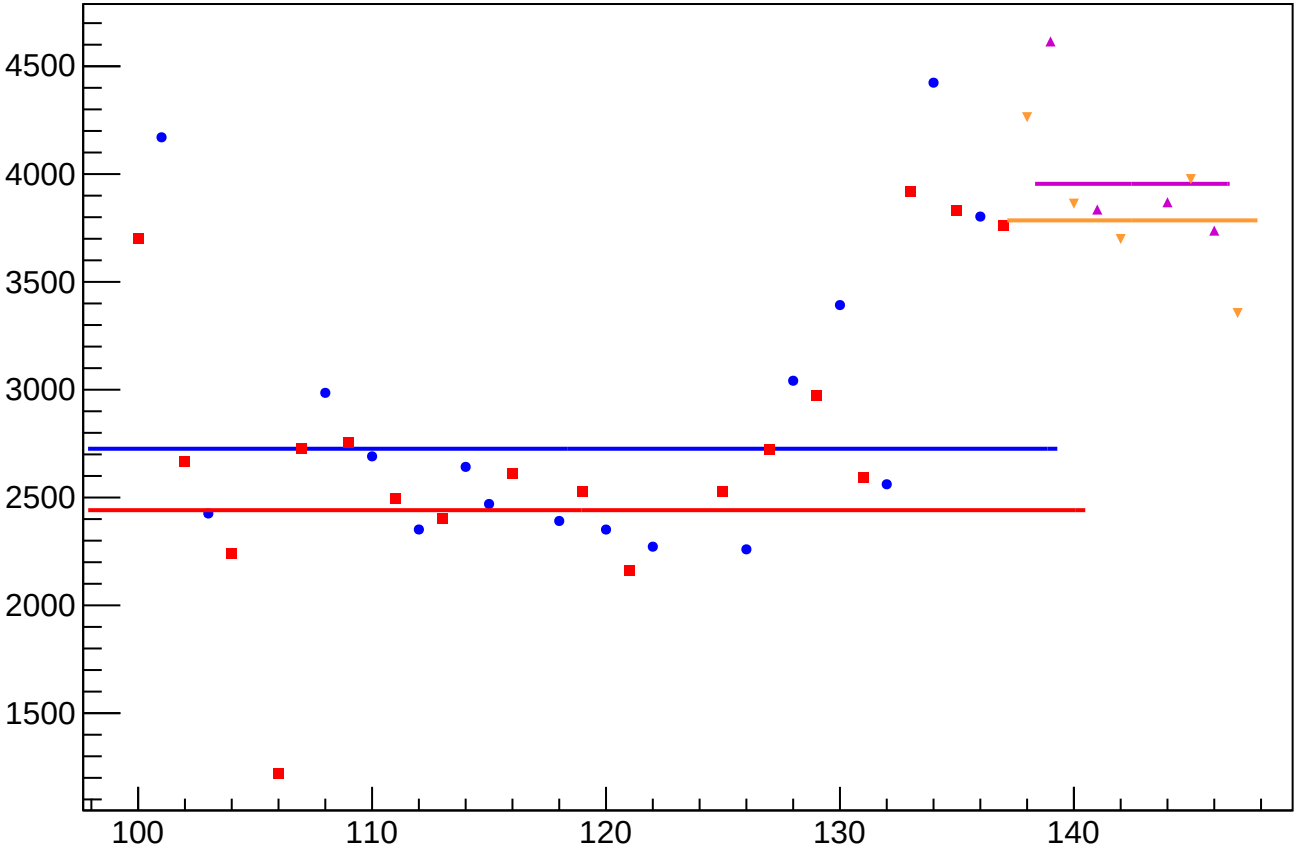
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -534.270+/-933.622 χ^2/NDF:16.8/19

Out: 431.524+/-884.421 χ^2/NDF:24.9/22

All: -25.255+/-642.070 χ^2/NDF: 42.3/42

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3785.270+/-1.401 χ^2/NDF:51326.4/4

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3954.810+/-1.497 χ^2/NDF:43166.1/3

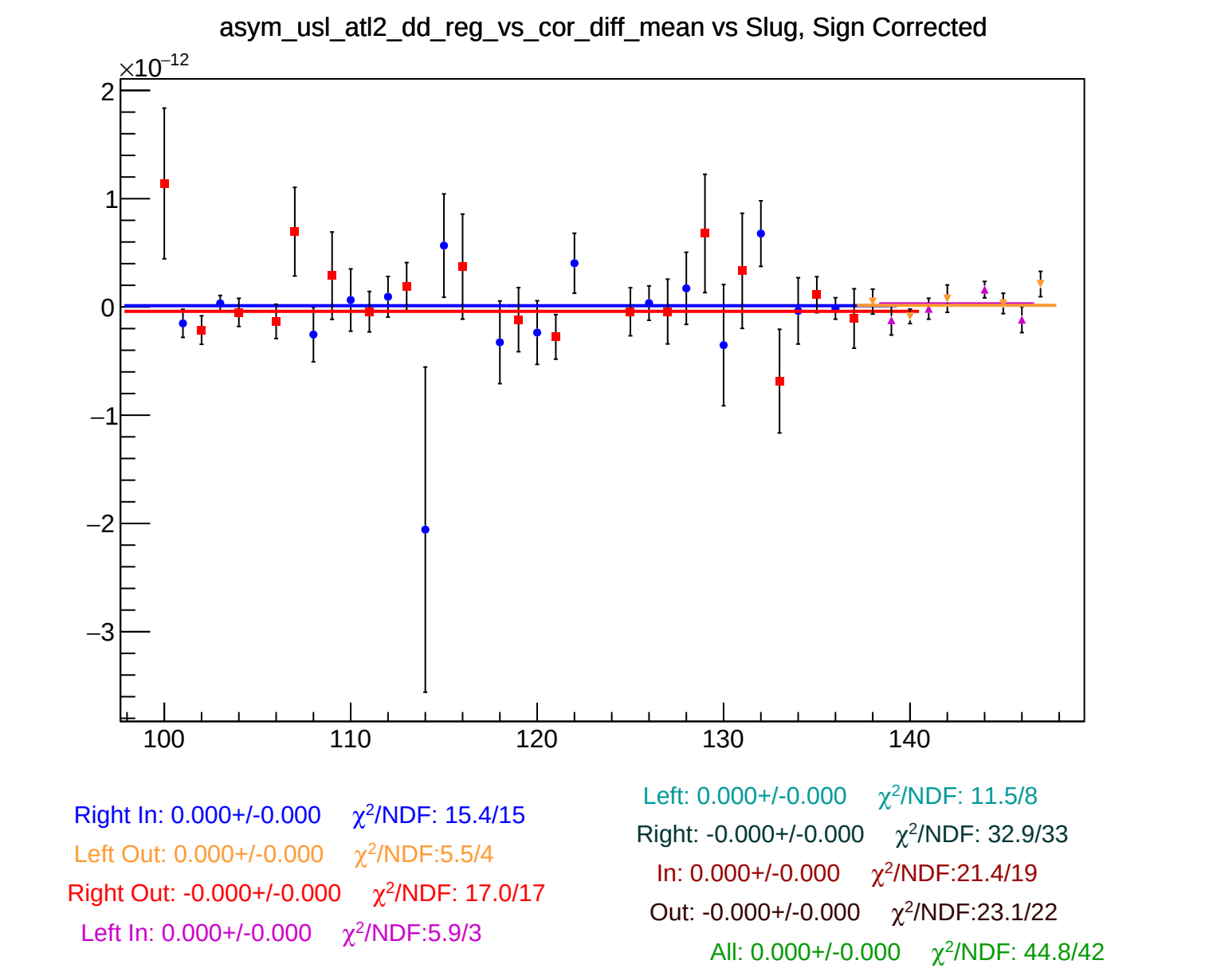
Left: 3864.442+/-1.023 χ^2/NDF: 101333.3/8

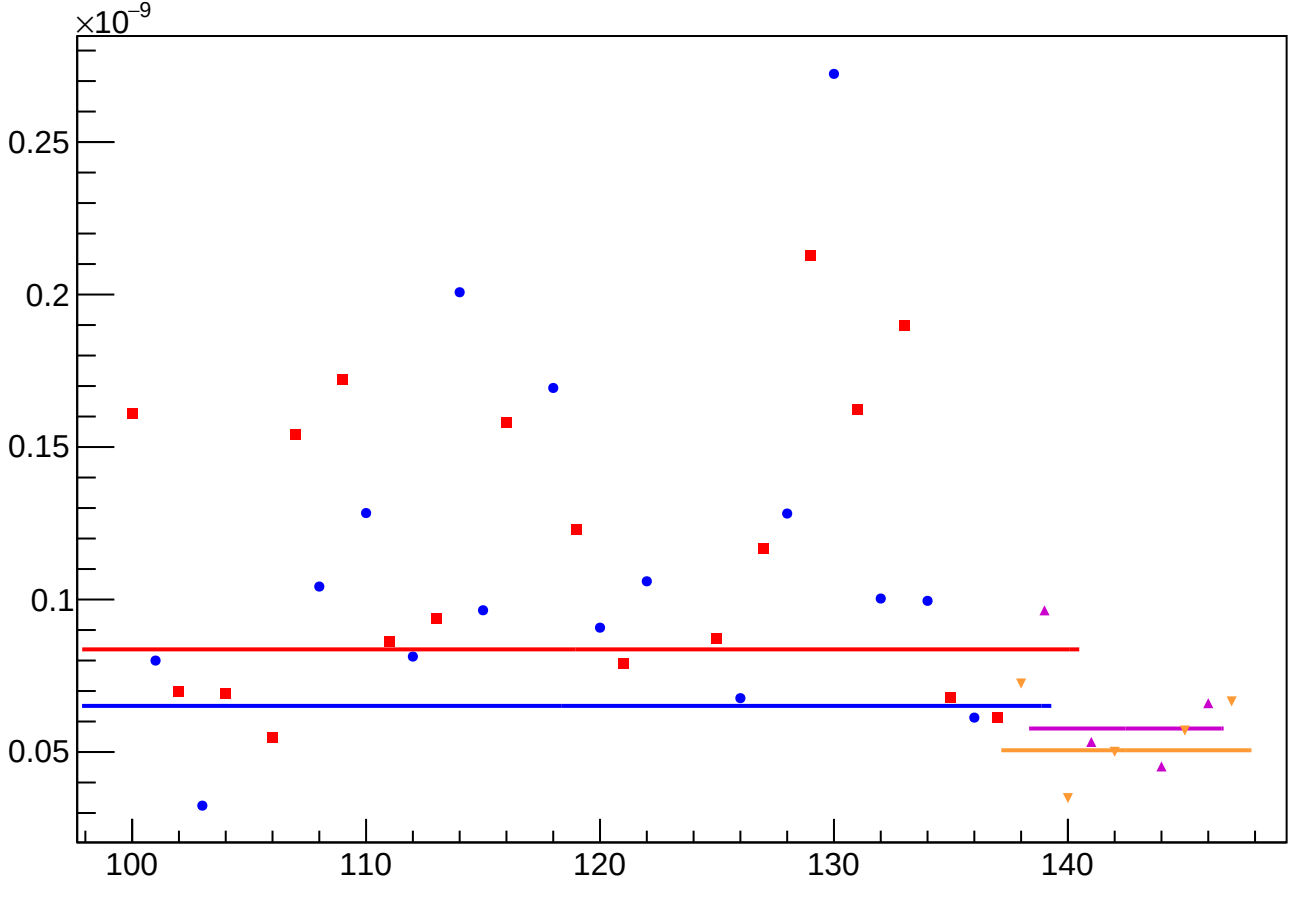
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 2965.307+/-0.660 χ^2/NDF:1209048.1/19

Out: 2689.716+/-0.602 χ^2/NDF:1692808.8/22

All: 2814.876+/-0.445 χ^2/NDF: 2996981.3/42


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:5.5/4
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:5.9/3
Left: 0.000+/-0.000 χ²/NDF: 11.5/8
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:21.4/19
Out: -0.000+/-0.000 χ²/NDF:23.1/22
All: 0.000+/-0.000 χ²/NDF: 44.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:228925.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:226635.7/3

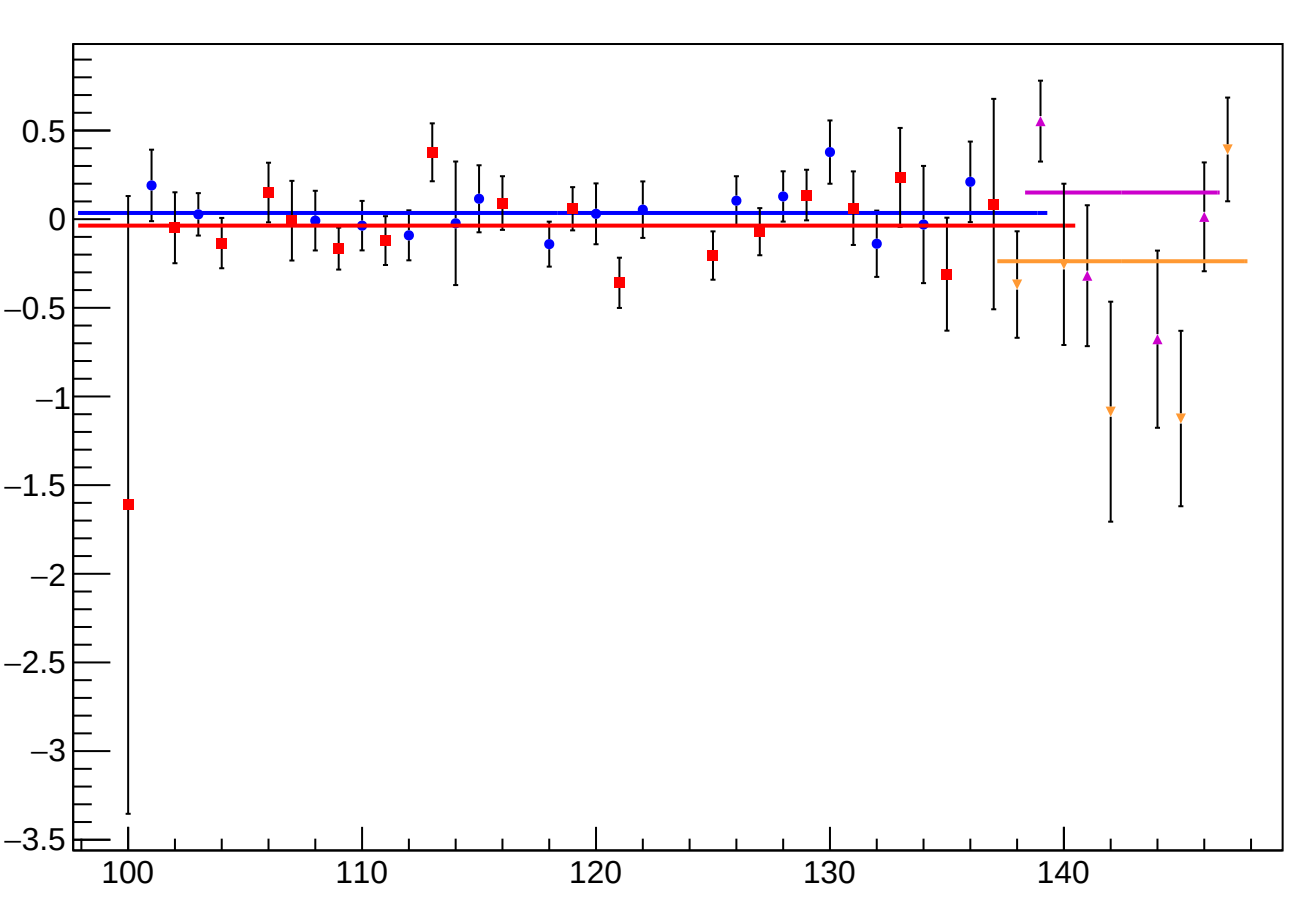
Left: 0.000+/-0.000 χ^2/NDF: 479225.4/8

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1474187.1/19

Out: 0.000+/-0.000 χ^2/NDF:1388837.8/22

All: 0.000+/-0.000 χ^2/NDF: 2865521.0/42



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.237+/-0.171 χ^2/NDF:9.9/4

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.150+/-0.158 χ^2/NDF:7.5/3

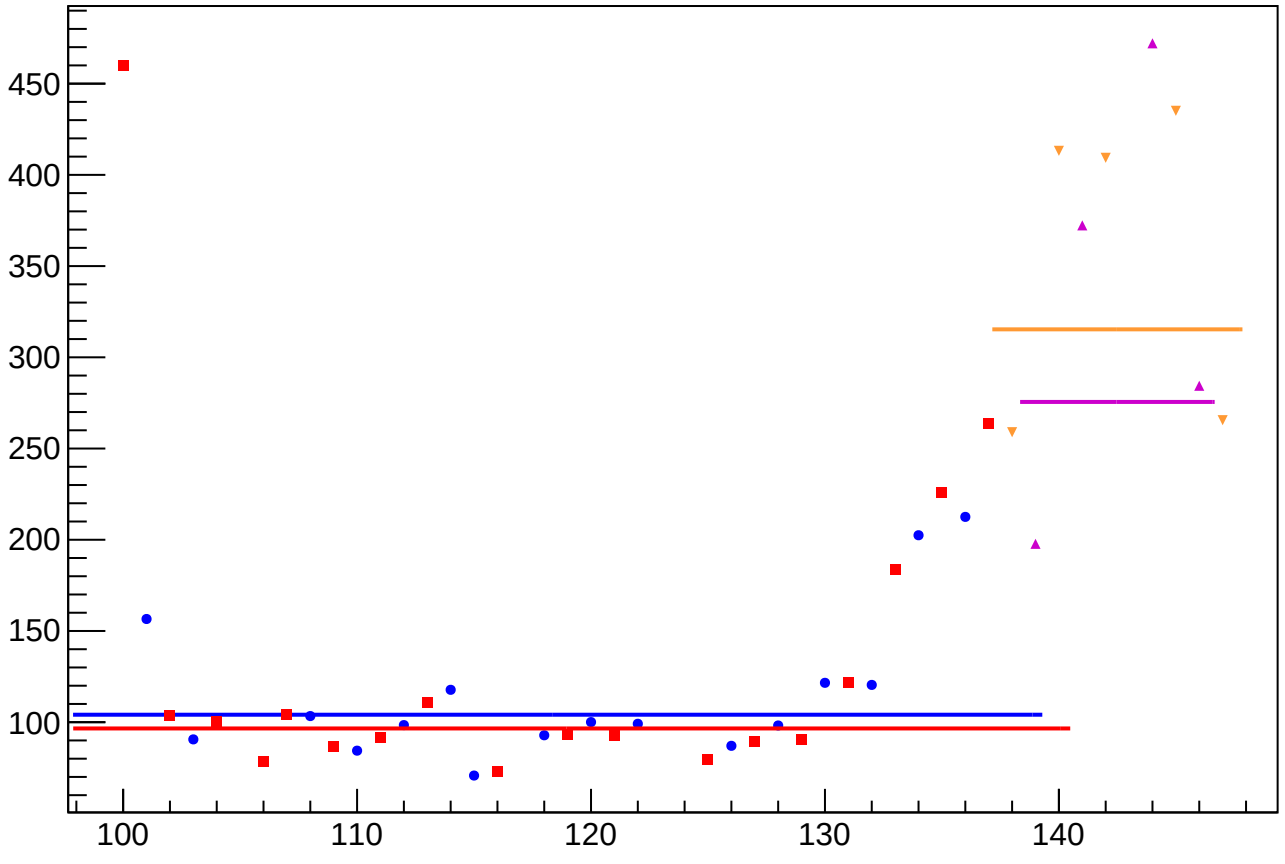
Left: -0.028+/-0.116 χ^2/NDF: 20.2/8

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.040 χ^2/NDF:17.7/19

Out: -0.046+/-0.038 χ^2/NDF:33.3/22

All: -0.004+/-0.027 χ^2/NDF: 53.6/42



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 315.326+/-0.121 χ^2/NDF:384234.9/4

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 275.542+/-0.112 χ^2/NDF:662279.9/3

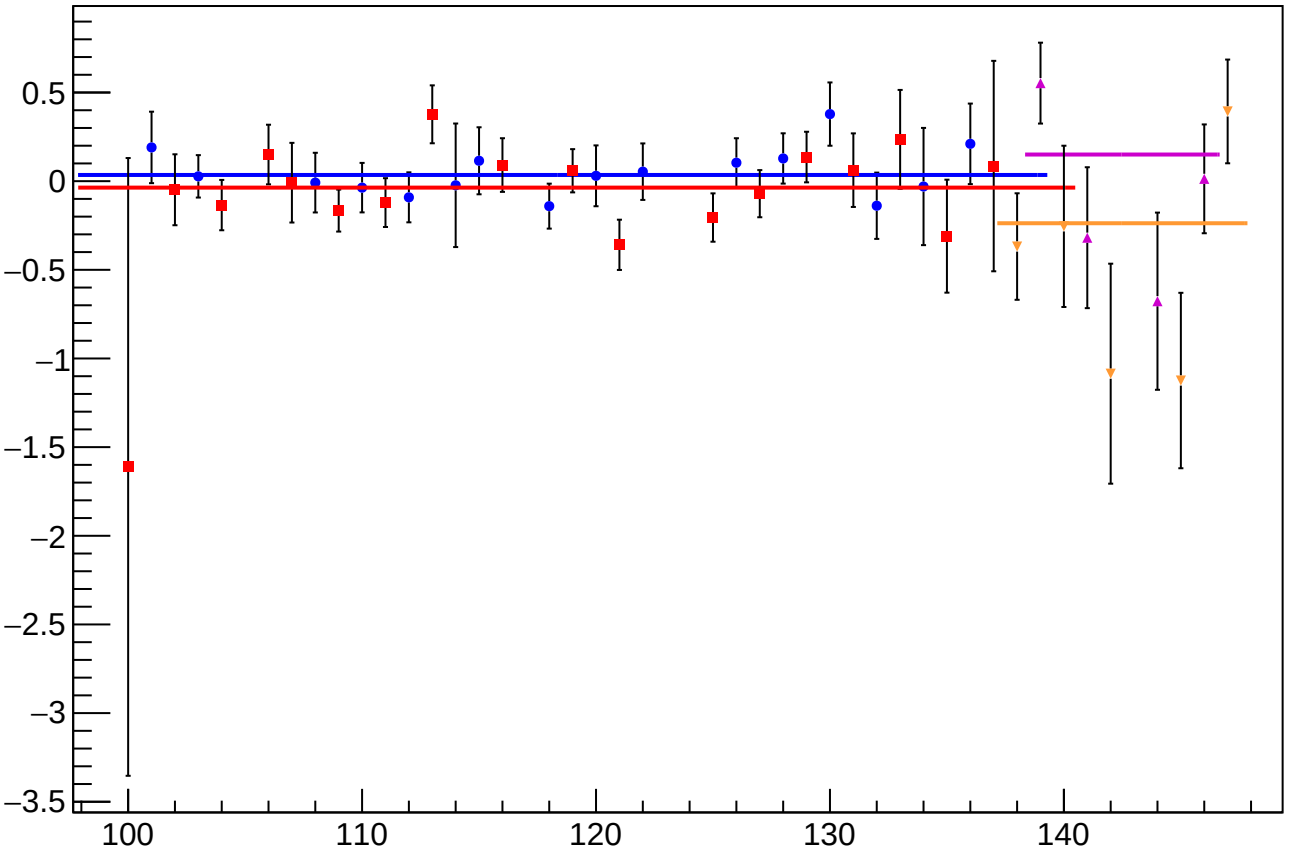
Left: 293.863+/-0.082 χ^2/NDF: 1105079.5/8

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 114.960+/-0.028 χ^2/NDF:3864214.9/19

Out: 107.361+/-0.027 χ^2/NDF:4460096.7/22

All: 110.986+/-0.019 χ^2/NDF: 8362610.8/42



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.237+/-0.171 χ^2/NDF:9.9/4

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.150+/-0.158 χ^2/NDF:7.5/3

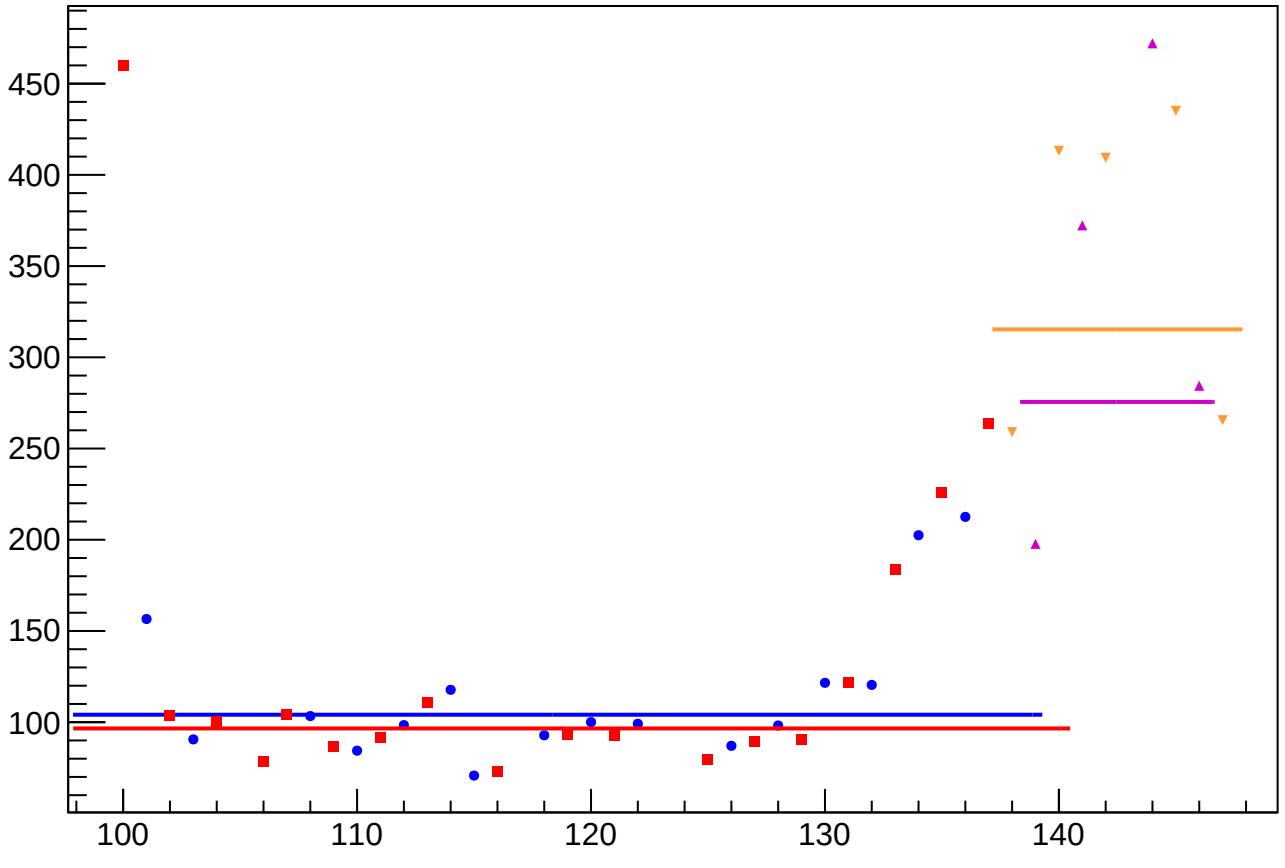
Left: -0.028+/-0.116 χ^2/NDF: 20.2/8

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.040 χ^2/NDF:17.7/19

Out: -0.046+/-0.038 χ^2/NDF:33.3/22

All: -0.004+/-0.027 χ^2/NDF: 53.6/42



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 315.326+/-0.121 χ^2/NDF:384234.9/4

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 275.542+/-0.112 χ^2/NDF:662279.9/3

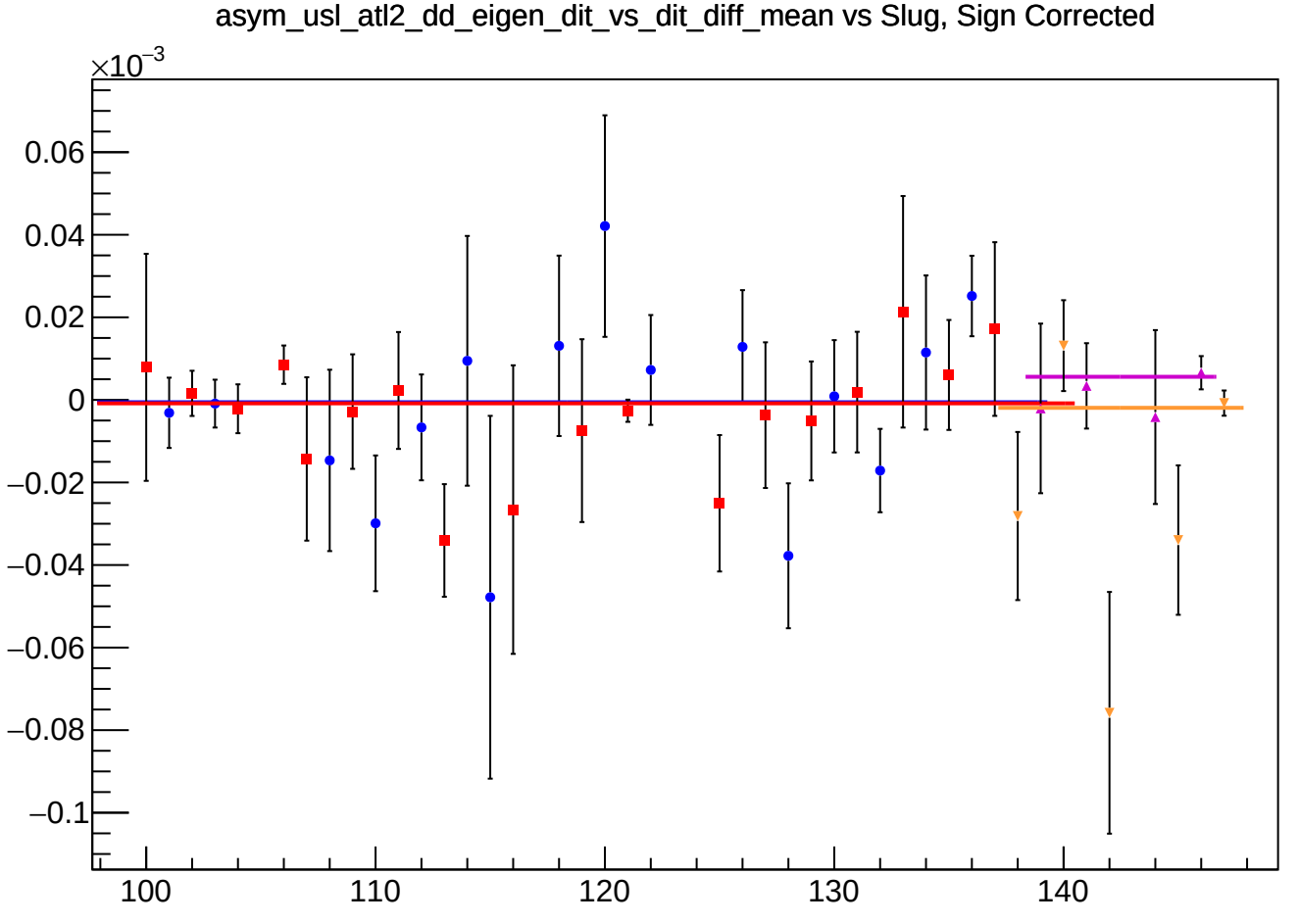
Left: 293.863+/-0.082 χ^2/NDF: 1105079.5/8

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 114.960+/-0.028 χ^2/NDF:3864214.9/19

Out: 107.361+/-0.027 χ^2/NDF:4460096.7/22

All: 110.986+/-0.019 χ^2/NDF: 8362610.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

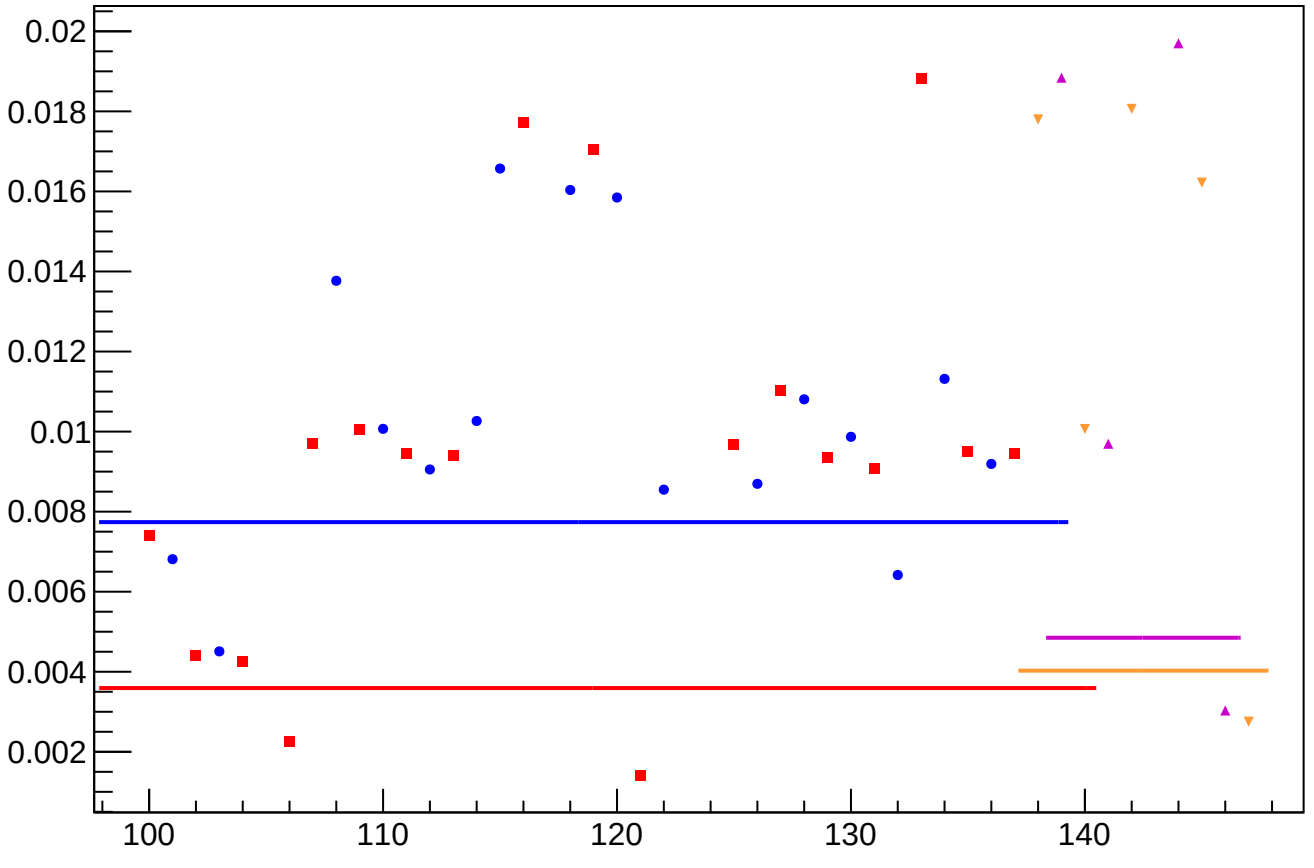
Left: 0.000+/-0.000 χ^2/NDF: 16.3/8

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: 0.000+/-0.000 χ^2/NDF:26.1/19

Out: -0.000+/-0.000 χ^2/NDF:29.1/22

All: -0.000+/-0.000 χ^2/NDF: 56.5/42



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:3231964.8/4

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.005+/-0.000 χ^2/NDF:2768499.9/3

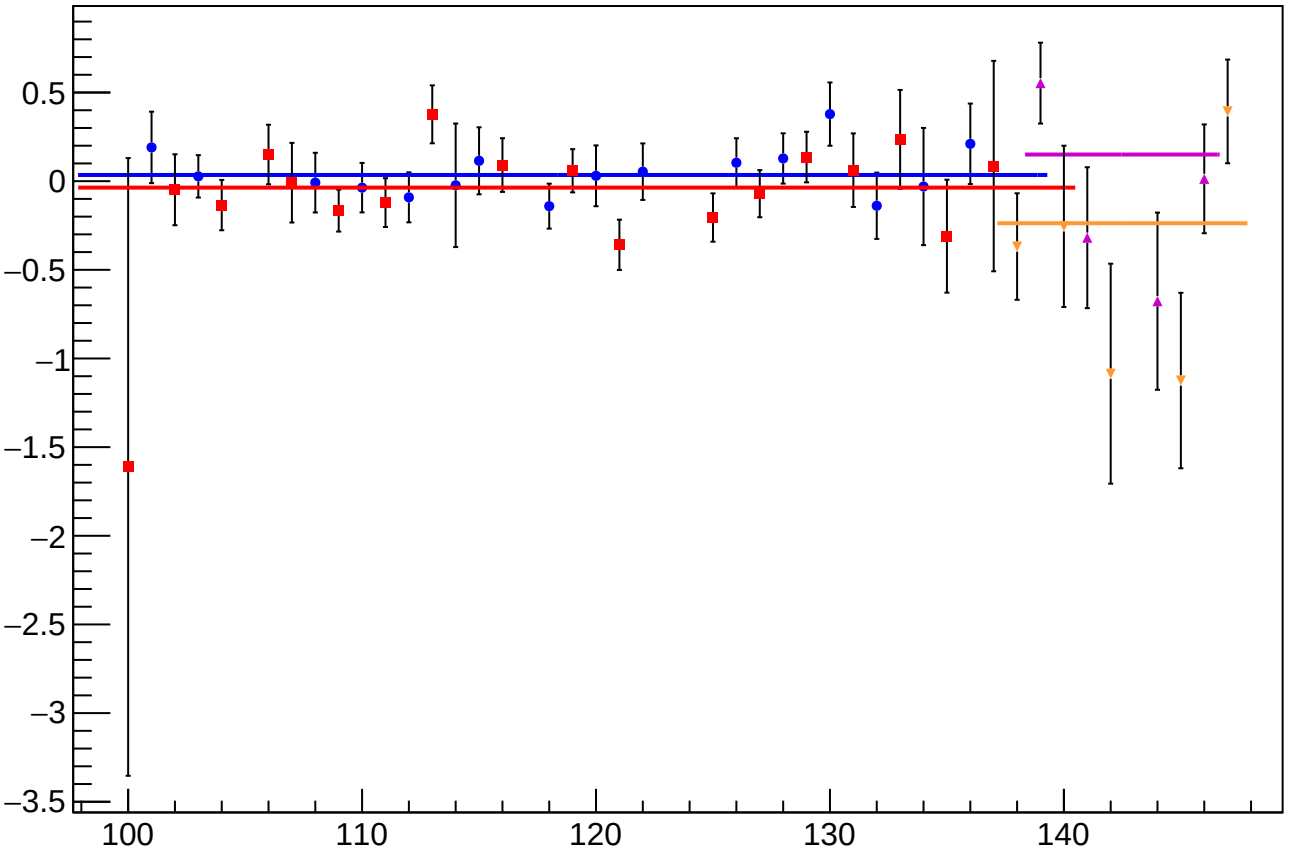
Left: 0.004+/-0.000 χ^2/NDF: 6063537.0/8

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.007+/-0.000 χ^2/NDF:5198185.1/19

Out: 0.004+/-0.000 χ^2/NDF:9629537.1/22

All: 0.005+/-0.000 χ^2/NDF: 16786982.6/42



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.237+/-0.171 χ^2/NDF:9.9/4

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.150+/-0.158 χ^2/NDF:7.5/3

Left: -0.028+/-0.116 χ^2/NDF: 20.2/8

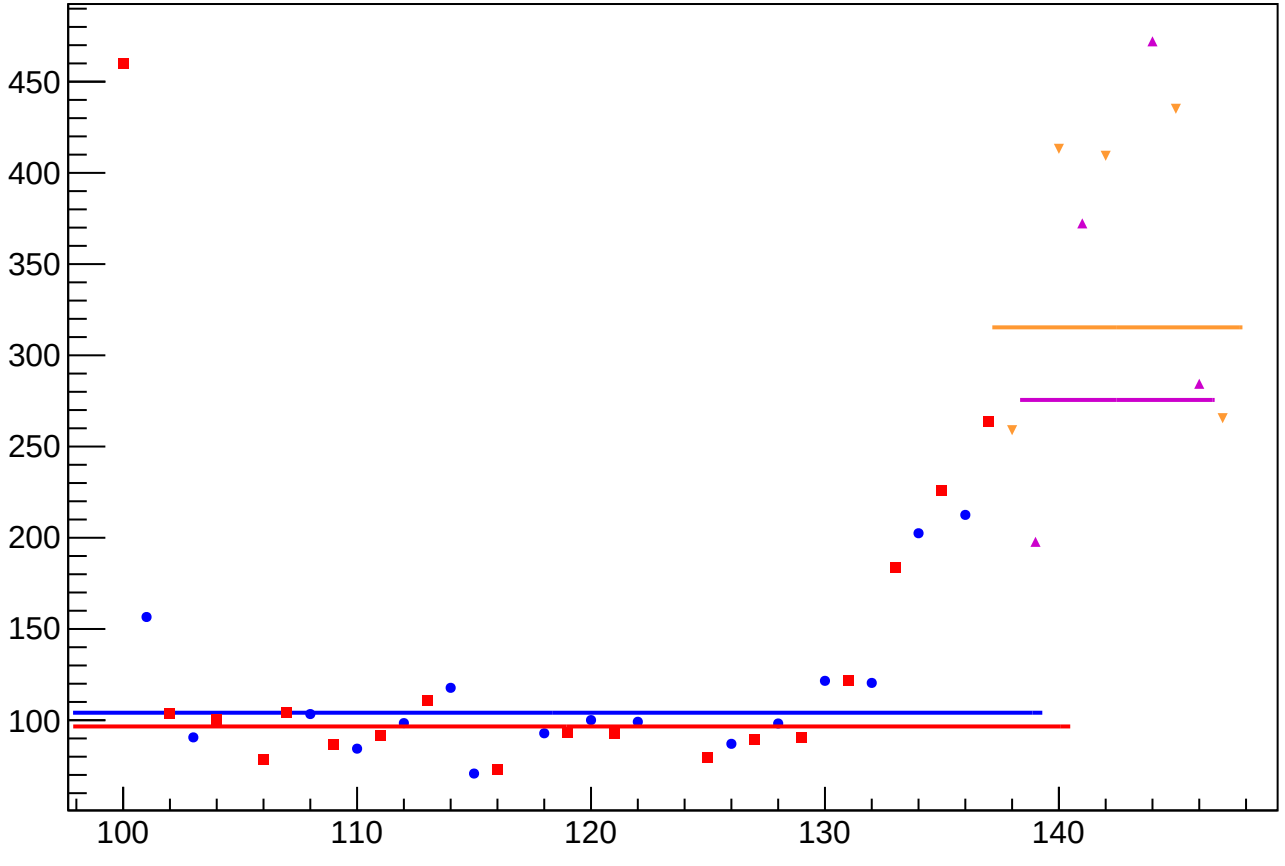
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.040 χ^2/NDF:17.7/19

Out: -0.046+/-0.038 χ^2/NDF:33.3/22

All: -0.004+/-0.027 χ^2/NDF: 53.6/42

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: 315.328+/-0.121 χ^2/NDF:384261.5/4

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 275.548+/-0.112 χ^2/NDF:662257.4/3

Left: 293.868+/-0.082 χ^2/NDF: 1105072.4/8

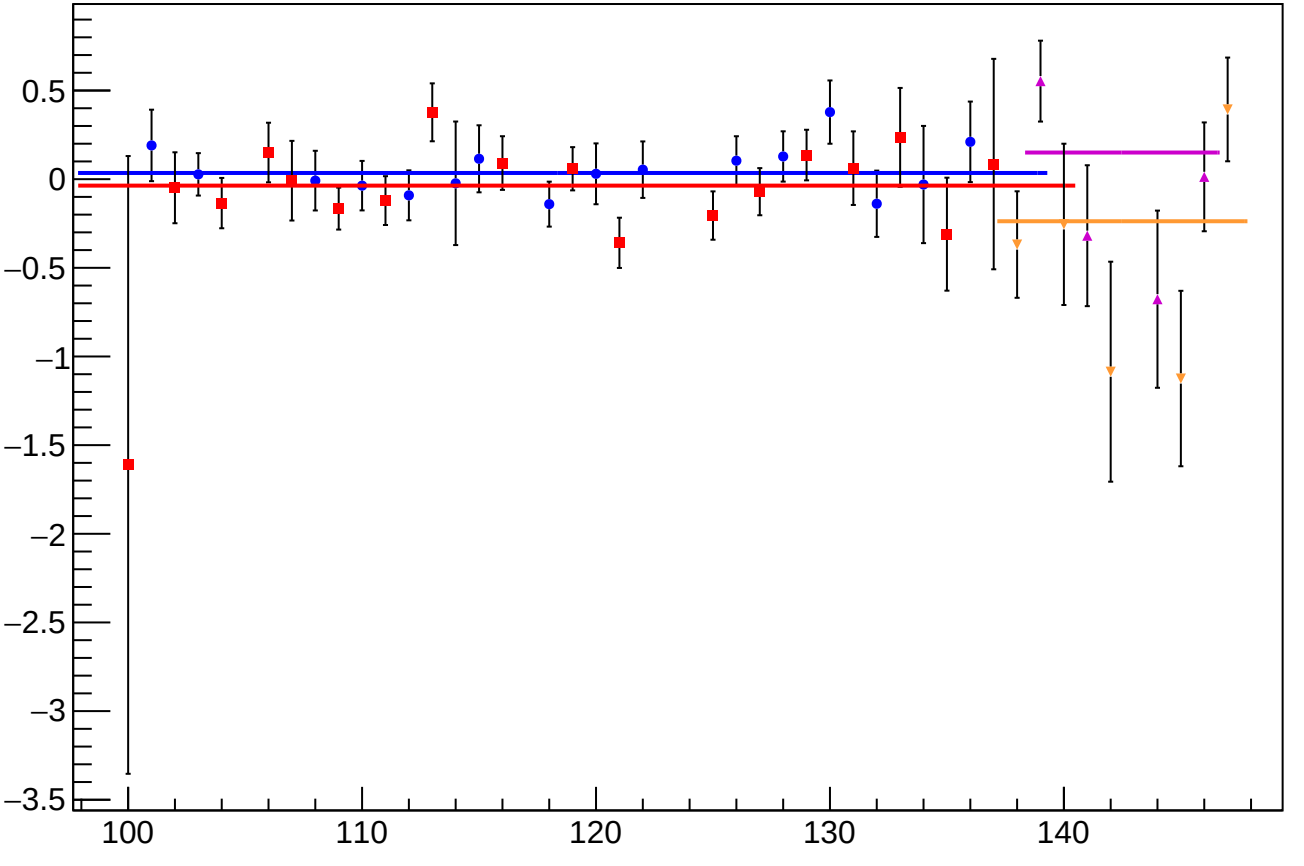
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 114.961+/-0.028 χ^2/NDF:3864185.3/19

Out: 107.362+/-0.027 χ^2/NDF:4460025.9/22

All: 110.987+/-0.019 χ^2/NDF: 8362505.2/42

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: -0.237+/-0.171 χ^2/NDF:9.9/4

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.150+/-0.158 χ^2/NDF:7.5/3

Left: -0.028+/-0.116 χ^2/NDF: 20.2/8

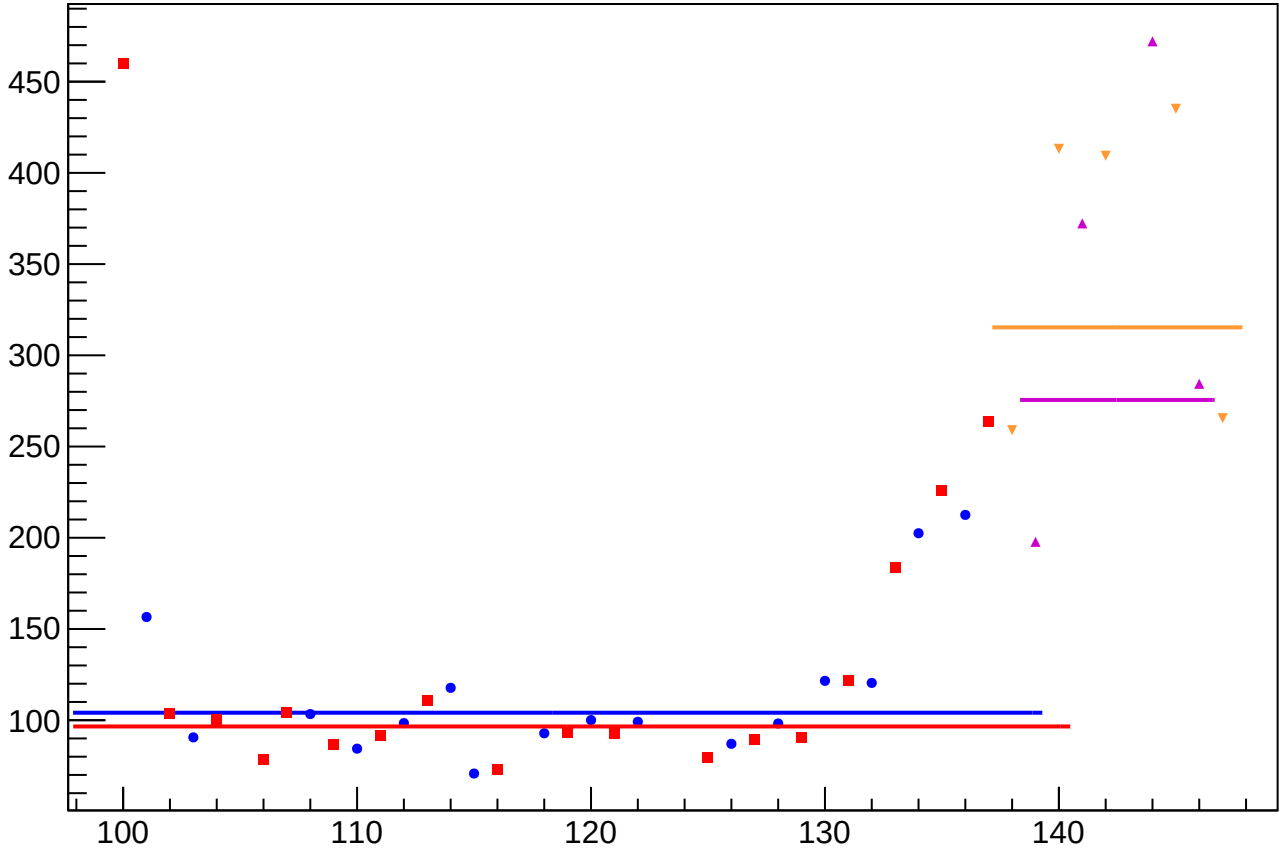
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.042+/-0.040 χ^2/NDF:17.7/19

Out: -0.046+/-0.038 χ^2/NDF:33.3/22

All: -0.004+/-0.027 χ^2/NDF: 53.6/42

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: 315.328+/-0.121 χ^2/NDF:384261.5/4

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 275.548+/-0.112 χ^2/NDF:662257.4/3

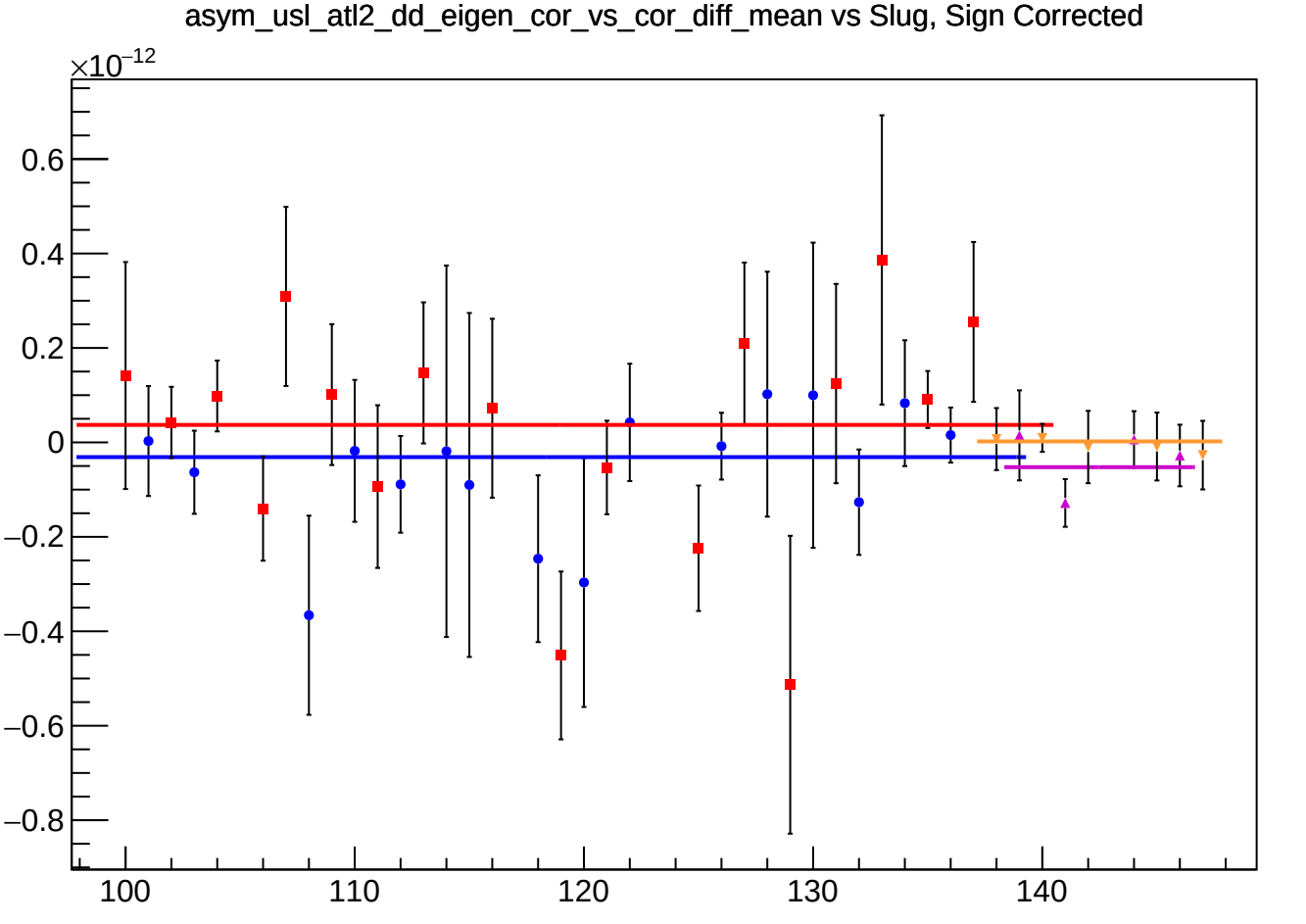
Left: 293.868+/-0.082 χ^2/NDF: 1105072.4/8

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 114.961+/-0.028 χ^2/NDF:3864185.3/19

Out: 107.362+/-0.027 χ^2/NDF:4460025.9/22

All: 110.987+/-0.019 χ^2/NDF: 8362505.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.9/3

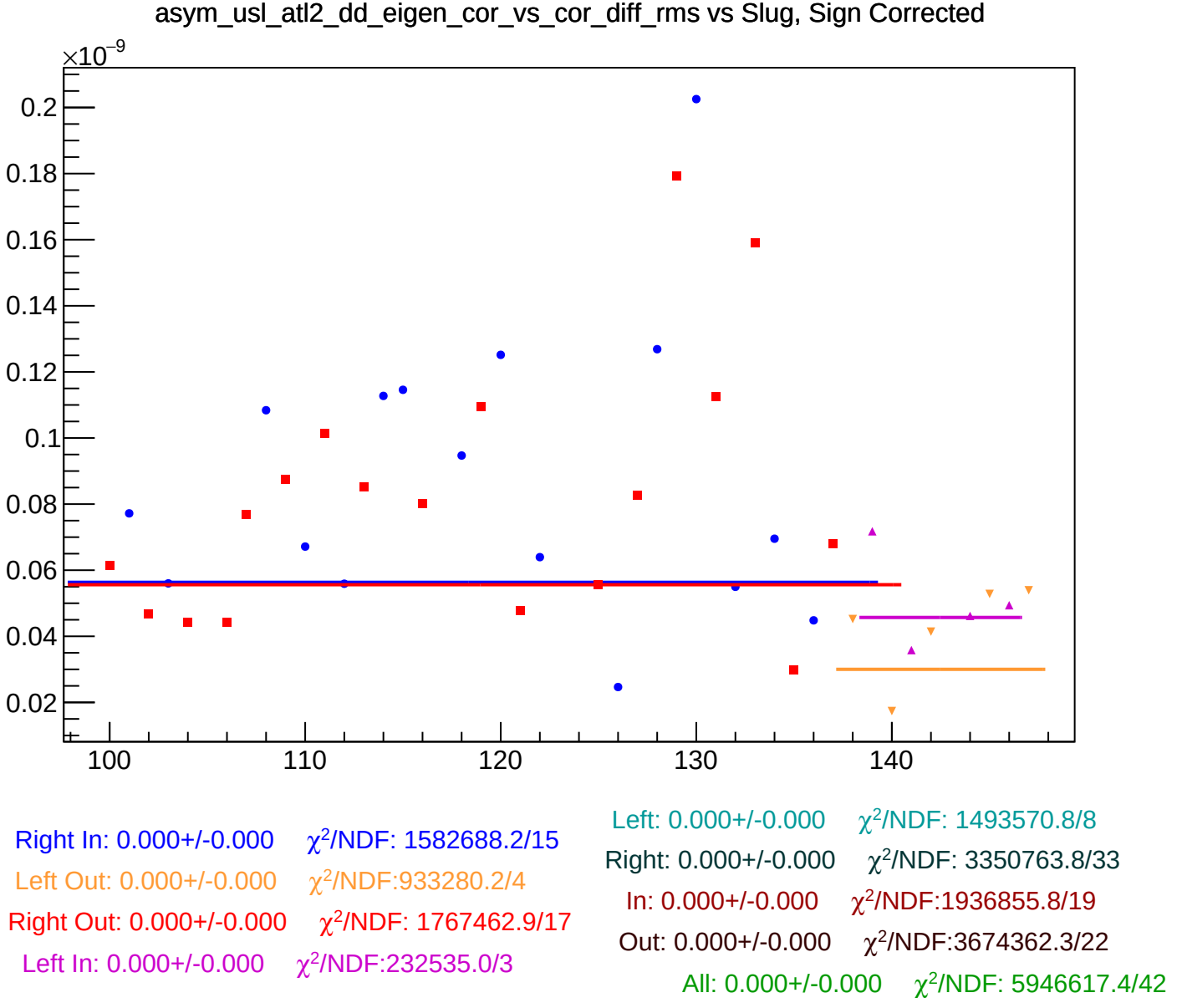
Left: -0.000+/-0.000 χ^2/NDF: 6.1/8

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

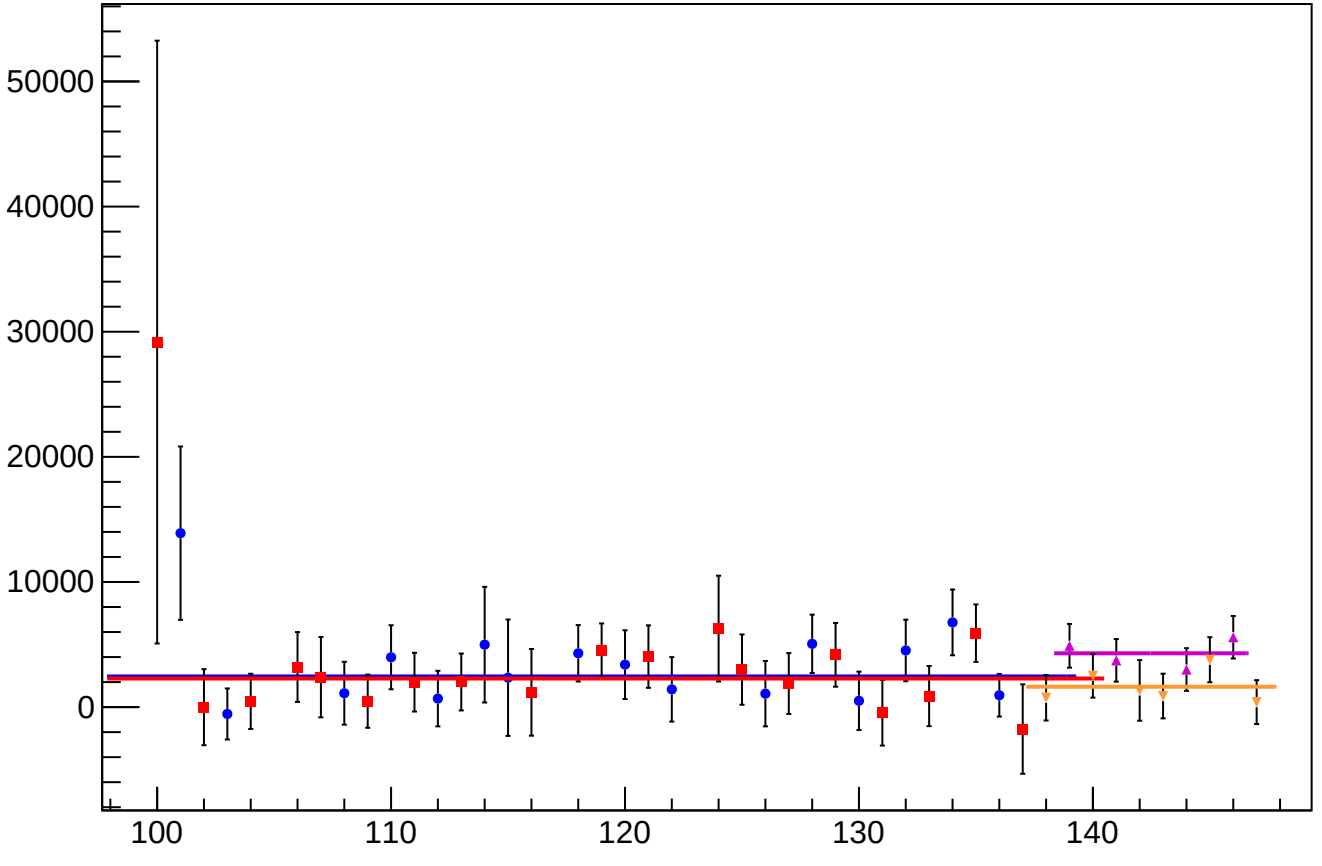
In: -0.000+/-0.000 χ^2/NDF:12.7/19

Out: 0.000+/-0.000 χ^2/NDF:28.2/22

All: -0.000+/-0.000 χ^2/NDF: 45.0/42


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:933280.2/4
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:232535.0/3
Left: 0.000+/-0.000 χ²/NDF: 1493570.8/8
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:1936855.8/19
Out: 0.000+/-0.000 χ²/NDF:3674362.3/22
All: 0.000+/-0.000 χ²/NDF: 5946617.4/42

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1630.389+/-756.742 χ^2/NDF:2.6/5

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 4300.867+/-856.769 χ^2/NDF:1.4/3

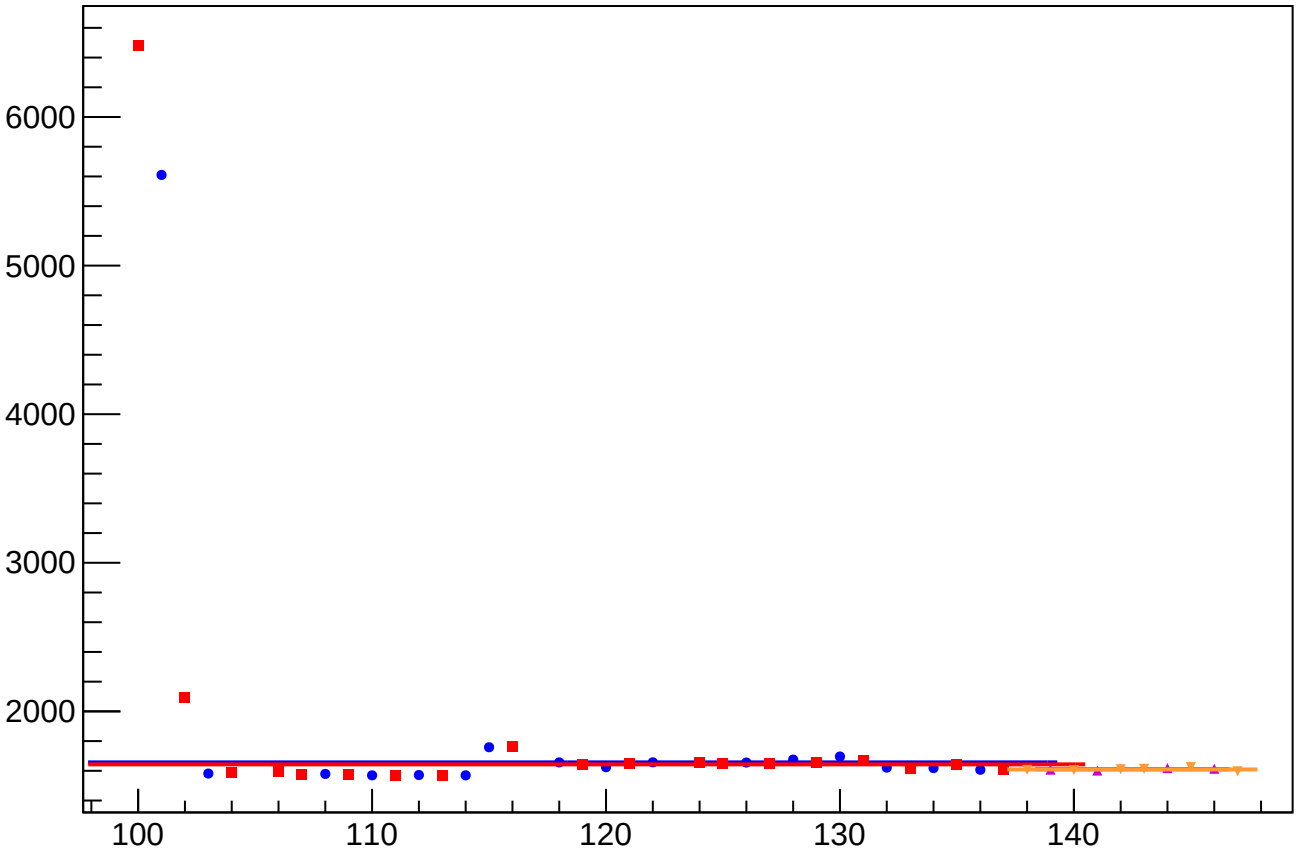
Left: 2800.709+/-567.181 χ^2/NDF: 9.4/9

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 3099.835+/-507.676 χ^2/NDF:18.2/19

Out: 2028.563+/-474.518 χ^2/NDF:14.9/24

All: 2528.075+/-346.665 χ^2/NDF: 35.5/44



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1609.036+/-0.535 χ^2/NDF:277.6/5

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

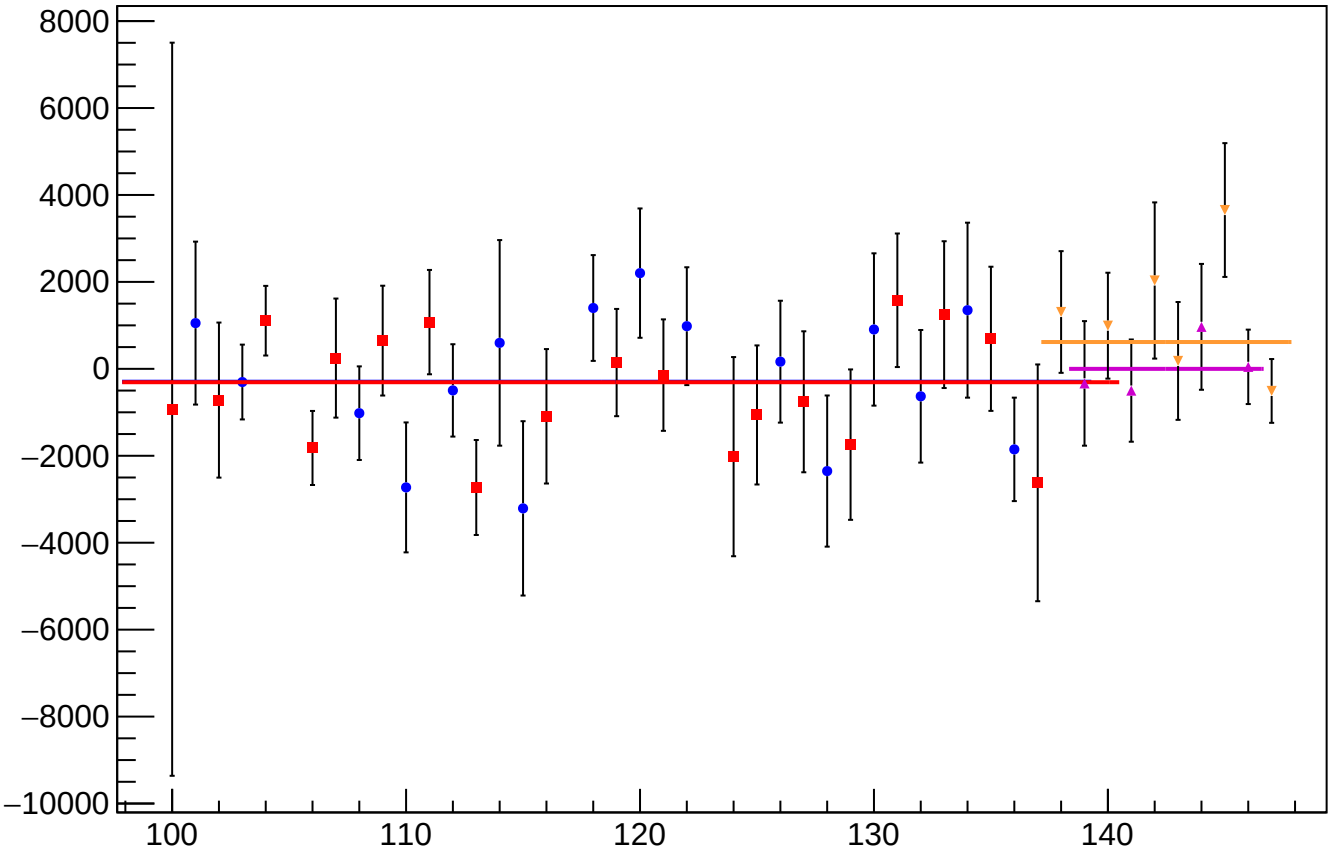
Left: 1609.752+/-0.401 χ^2/NDF: 393.2/9

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1640.527+/-0.359 χ^2/NDF:670080.8/19

Out: 1629.906+/-0.336 χ^2/NDF:139782.5/24

All: 1634.859+/-0.245 χ^2/NDF: 810330.5/44



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 617.093+/-481.291 χ^2/NDF:7.3/5

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: -0.565+/-572.461 χ^2/NDF:0.7/3

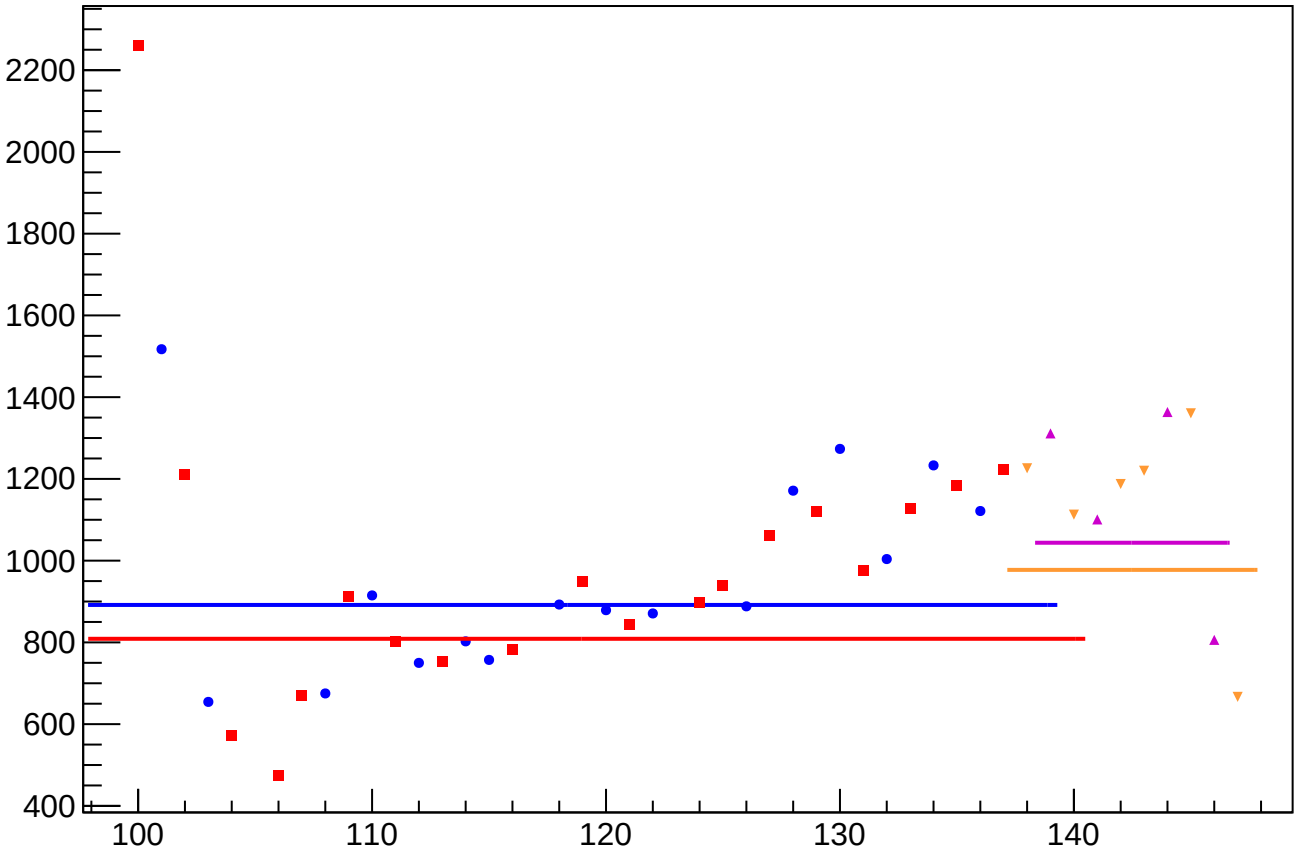
Left: 361.306+/-368.393 χ^2/NDF: 8.7/9

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -218.141+/-294.503 χ^2/NDF:16.8/19

Out: -32.836+/-262.379 χ^2/NDF:28.6/24

All: -114.834+/-195.907 χ^2/NDF: 45.7/44



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 977.425+/-0.340 χ^2/NDF:661334.4/5

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 1043.820+/-0.405 χ^2/NDF:326074.9/3

Left: 1004.921+/-0.260 χ^2/NDF: 1003171.4/9

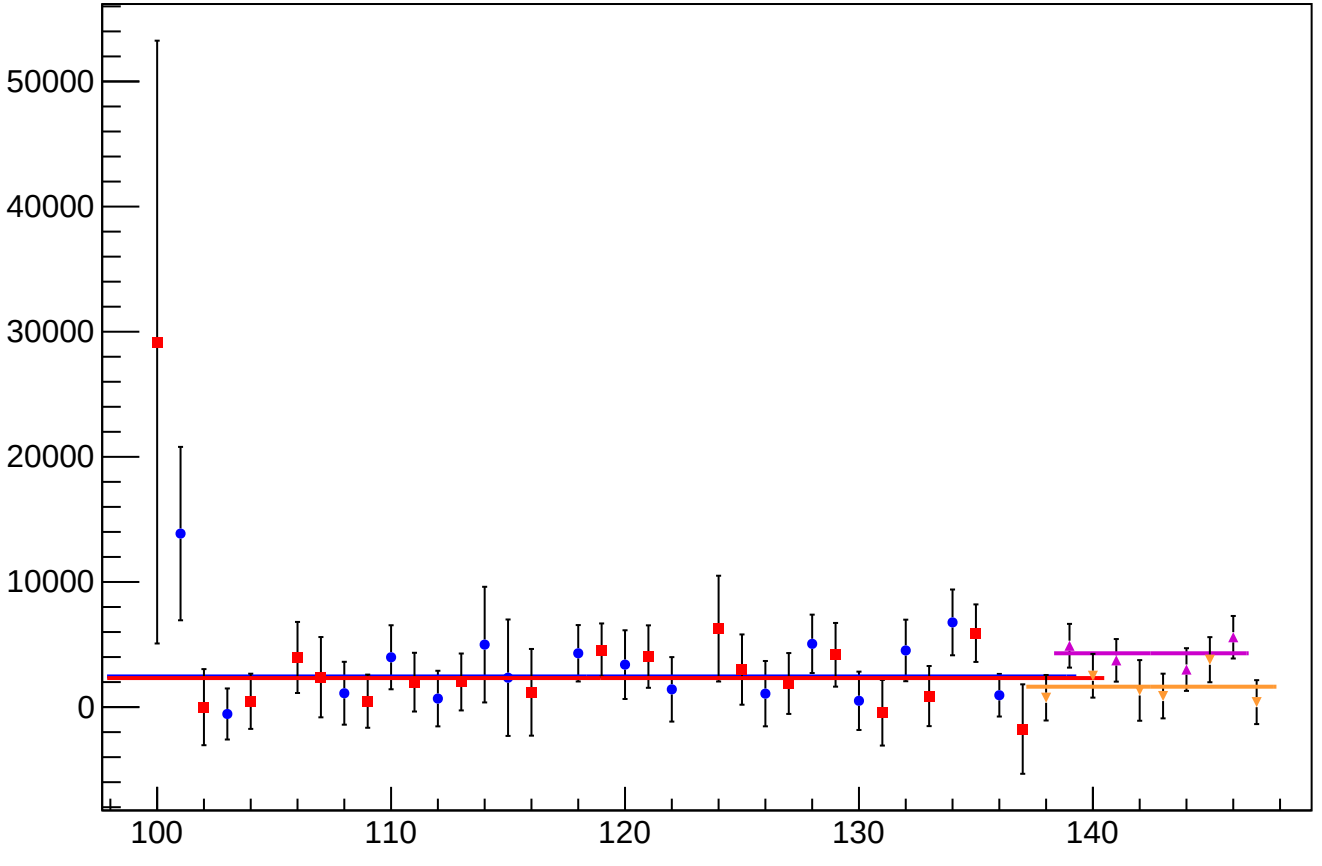
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 931.911+/-0.208 χ^2/NDF:1223911.7/19

Out: 858.921+/-0.186 χ^2/NDF:1917698.1/24

All: 891.219+/-0.139 χ^2/NDF: 3210097.9/44

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1630.414+/-756.742 χ^2/NDF:2.6/5

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 4301.069+/-856.769 χ^2/NDF:1.4/3

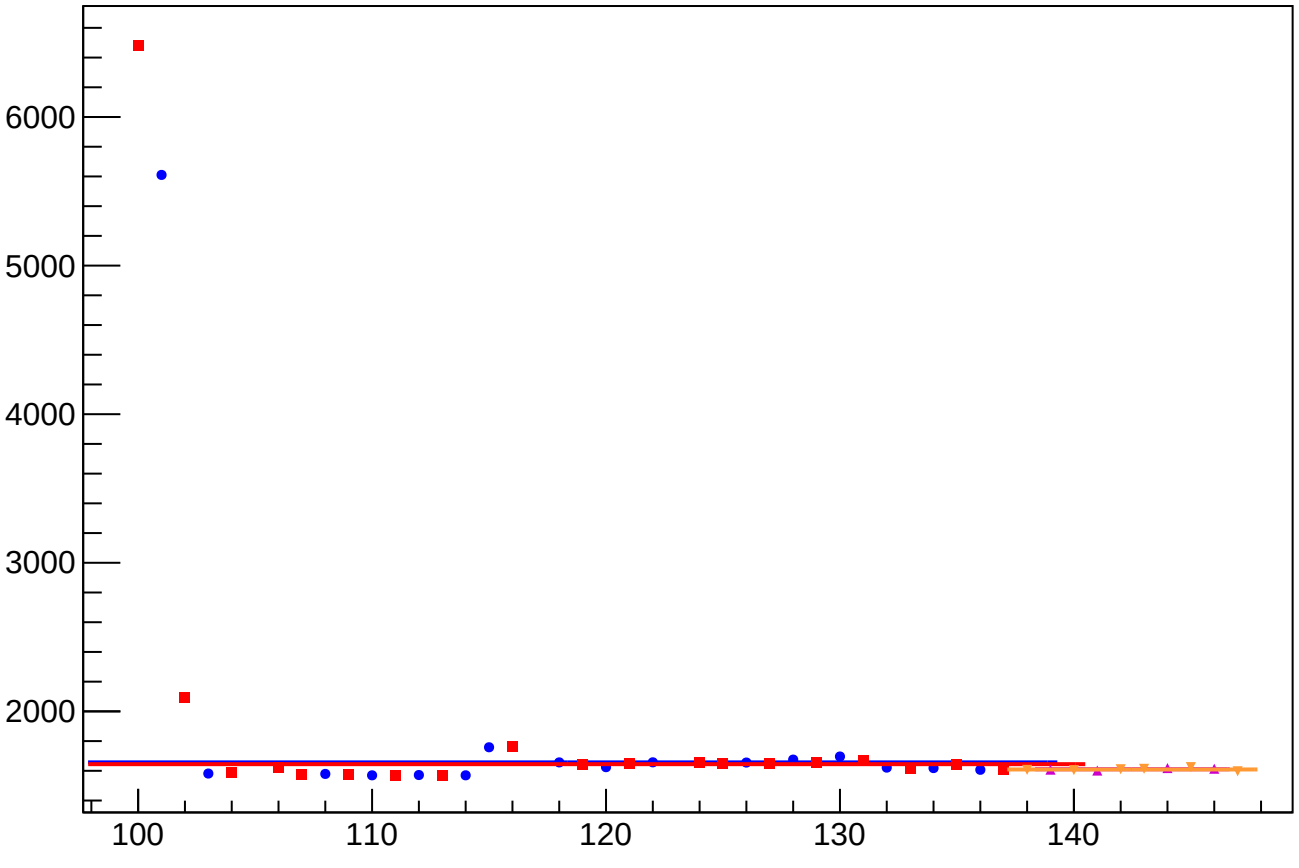
Left: 2800.811+/-567.181 χ^2/NDF: 9.4/9

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 3099.542+/-507.677 χ^2/NDF:18.2/19

Out: 2048.935+/-474.754 χ^2/NDF:15.2/24

All: 2539.071+/-346.757 χ^2/NDF: 35.7/44



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.036+/-0.535 χ^2/NDF:277.6/5

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

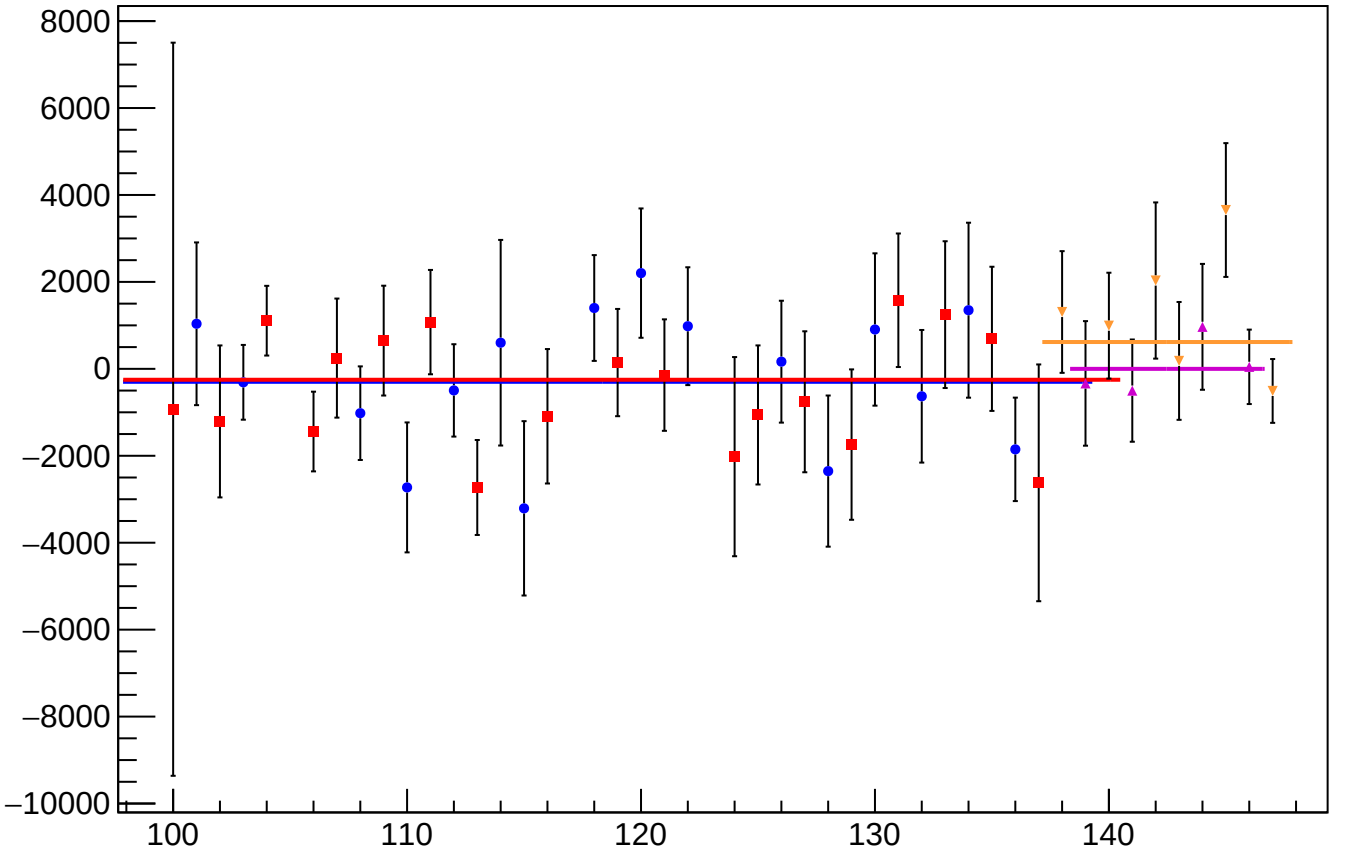
Left: 1609.752+/-0.401 χ^2/NDF: 393.2/9

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1640.527+/-0.359 χ^2/NDF:670080.4/19

Out: 1630.683+/-0.336 χ^2/NDF:139459.5/24

All: 1635.276+/-0.245 χ^2/NDF: 809941.0/44



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 617.113+/-481.290 χ^2/NDF:7.3/5

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -0.526+/-572.468 χ^2/NDF:0.7/3

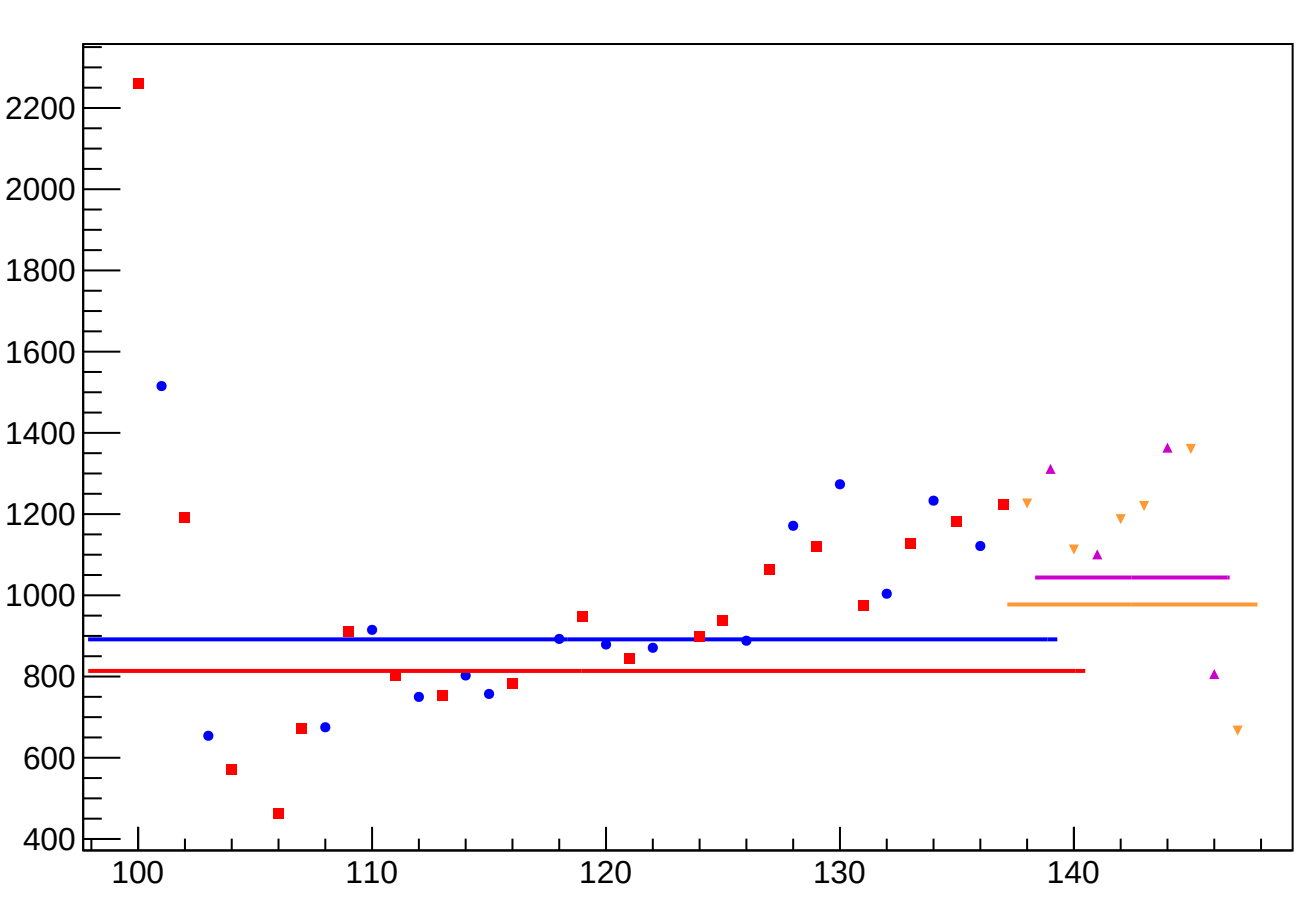
Left: 361.338+/-368.394 χ^2/NDF: 8.7/9

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -219.136+/-294.476 χ^2/NDF:16.8/19

Out: 10.049+/-264.006 χ^2/NDF:26.8/24

All: -92.077+/-196.573 χ^2/NDF: 44.0/44



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 977.424+/-0.340 χ^2/NDF:661292.7/5

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1043.834+/-0.405 χ^2/NDF:326050.8/3

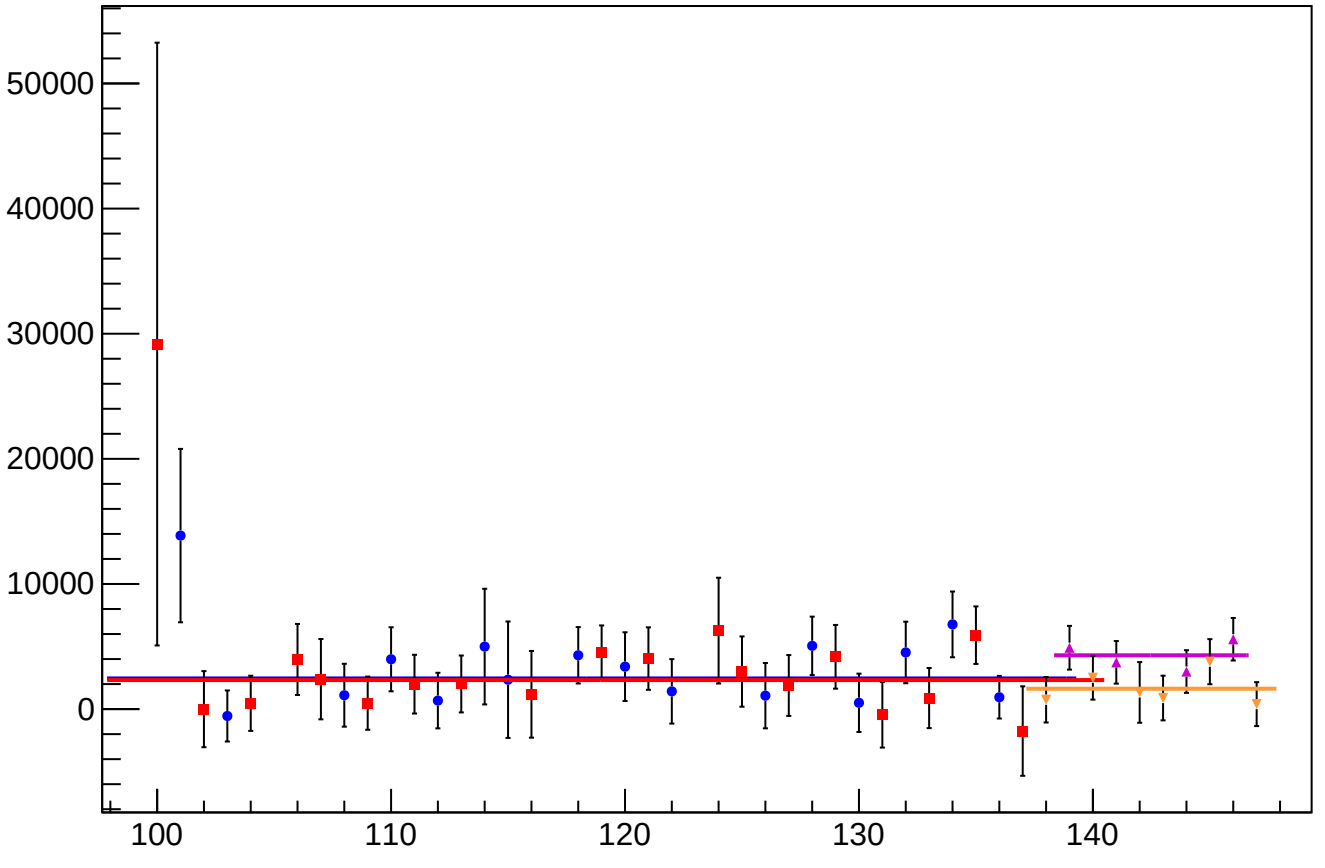
Left: 1004.926+/-0.260 χ^2/NDF: 1003112.9/9

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 931.833+/-0.208 χ^2/NDF:1223809.7/19

Out: 863.038+/-0.187 χ^2/NDF:1875873.8/24

All: 893.693+/-0.139 χ^2/NDF: 3160197.5/44



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1630.414+/-756.742 χ^2/NDF:2.6/5

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 4301.069+/-856.769 χ^2/NDF:1.4/3

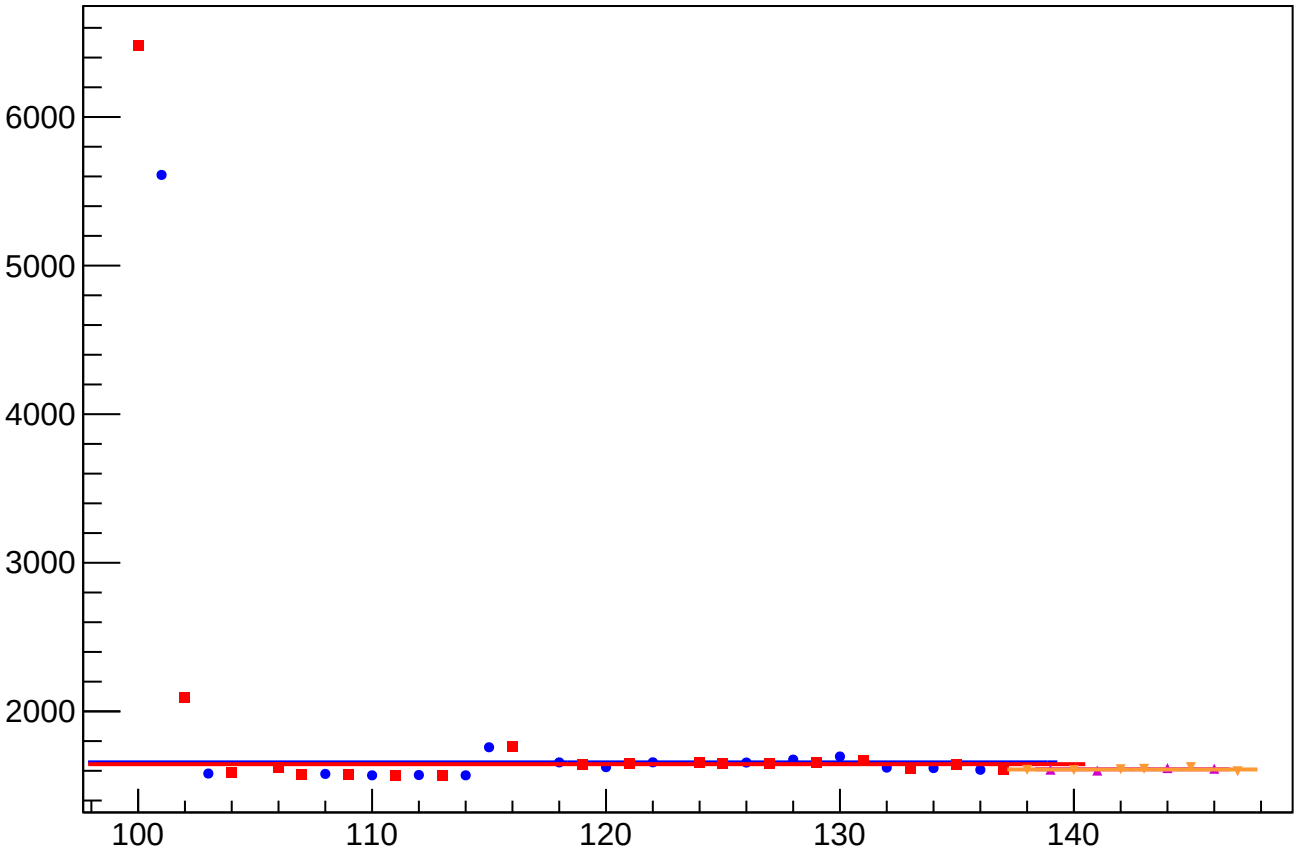
Left: 2800.811+/-567.181 χ^2/NDF: 9.4/9

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 3099.542+/-507.677 χ^2/NDF:18.2/19

Out: 2048.935+/-474.754 χ^2/NDF:15.2/24

All: 2539.071+/-346.757 χ^2/NDF: 35.7/44



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.036+/-0.535 χ^2/NDF:277.6/5

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1610.669+/-0.606 χ^2/NDF:111.4/3

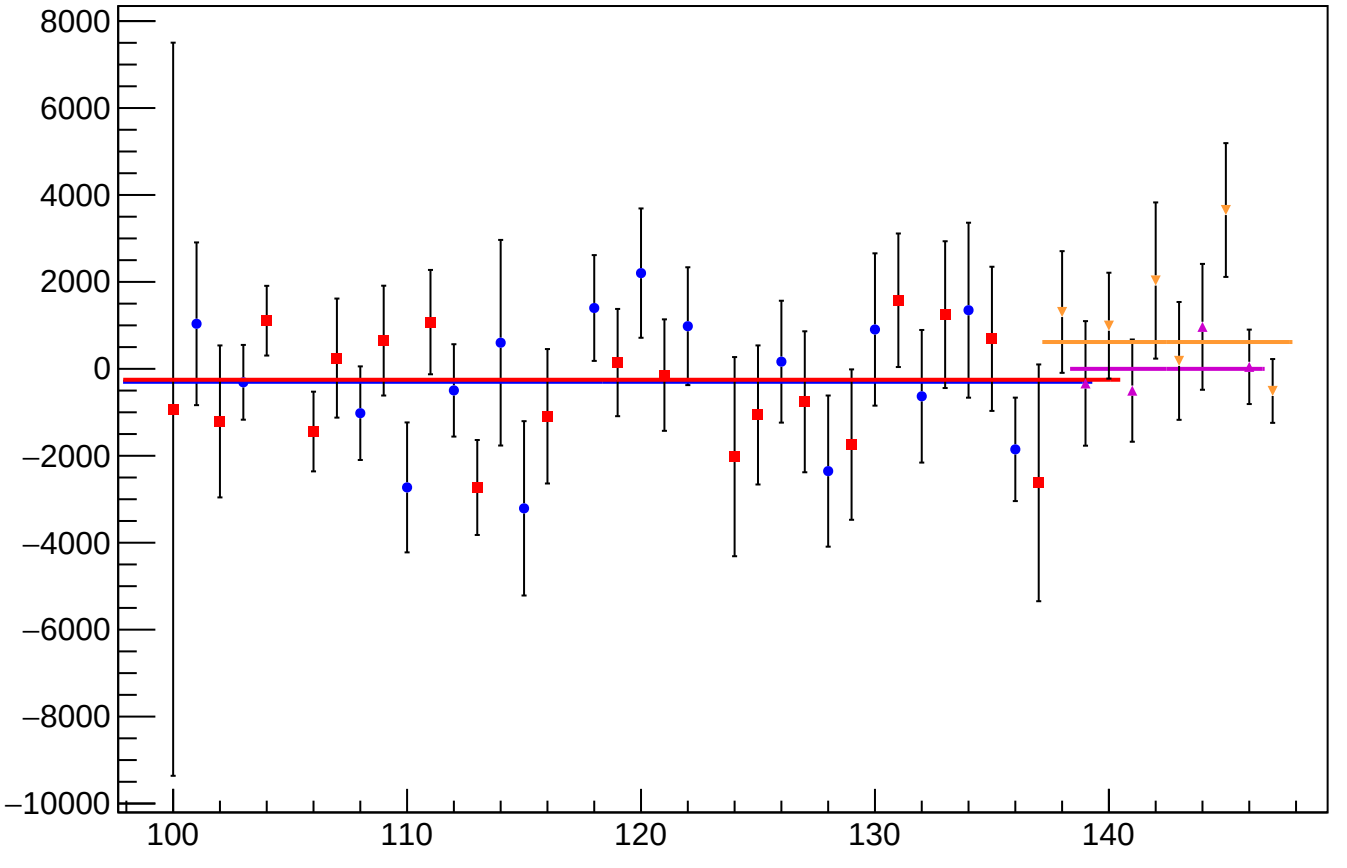
Left: 1609.752+/-0.401 χ^2/NDF: 393.2/9

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1640.527+/-0.359 χ^2/NDF:670080.4/19

Out: 1630.683+/-0.336 χ^2/NDF:139459.5/24

All: 1635.276+/-0.245 χ^2/NDF: 809941.0/44



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 617.113+/-481.290 χ^2/NDF:7.3/5

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: -0.526+/-572.468 χ^2/NDF:0.7/3

Left: 361.338+/-368.394 χ^2/NDF: 8.7/9

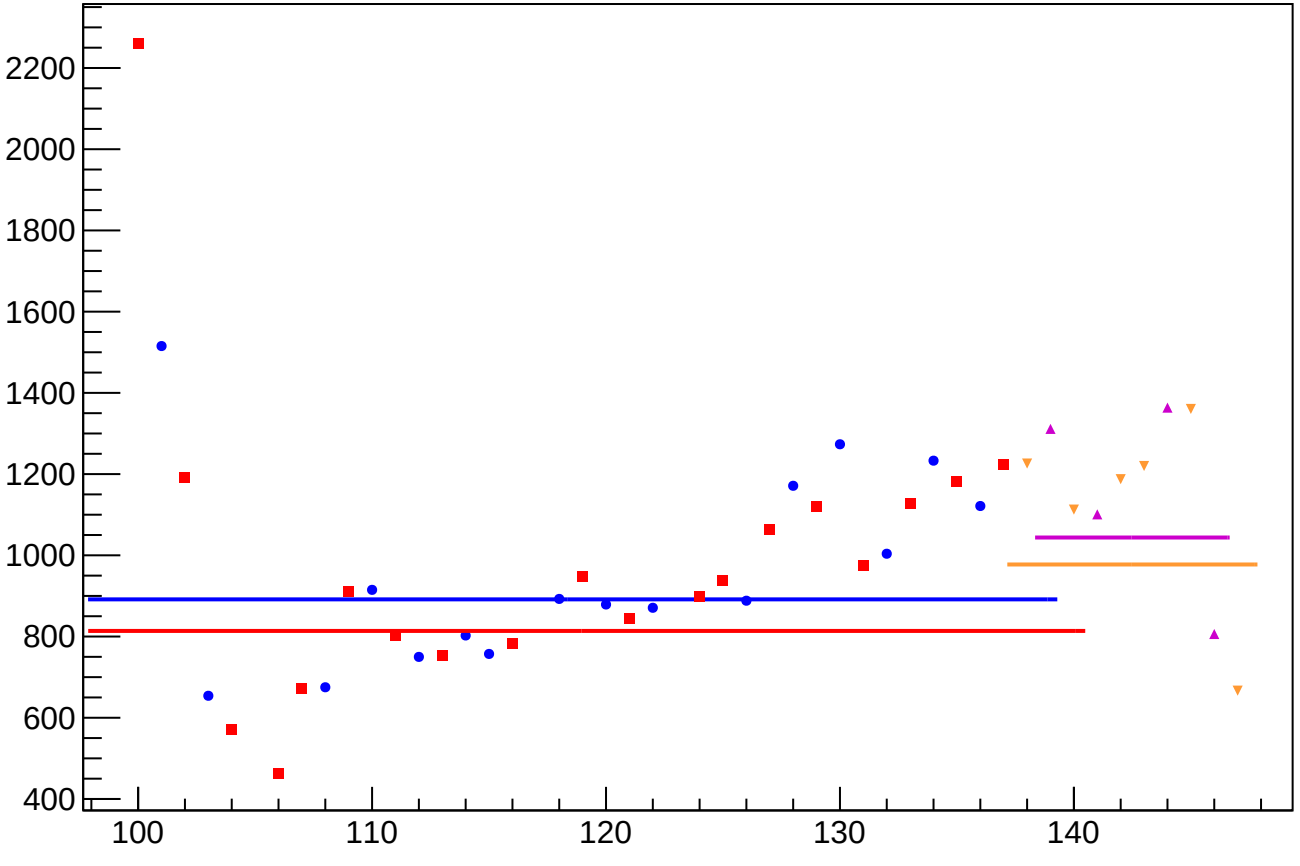
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -219.136+/-294.476 χ^2/NDF:16.8/19

Out: 10.049+/-264.006 χ^2/NDF:26.8/24

All: -92.077+/-196.573 χ^2/NDF: 44.0/44

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: 977.424+/-0.340 χ^2/NDF:661292.7/5

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 1043.834+/-0.405 χ^2/NDF:326050.8/3

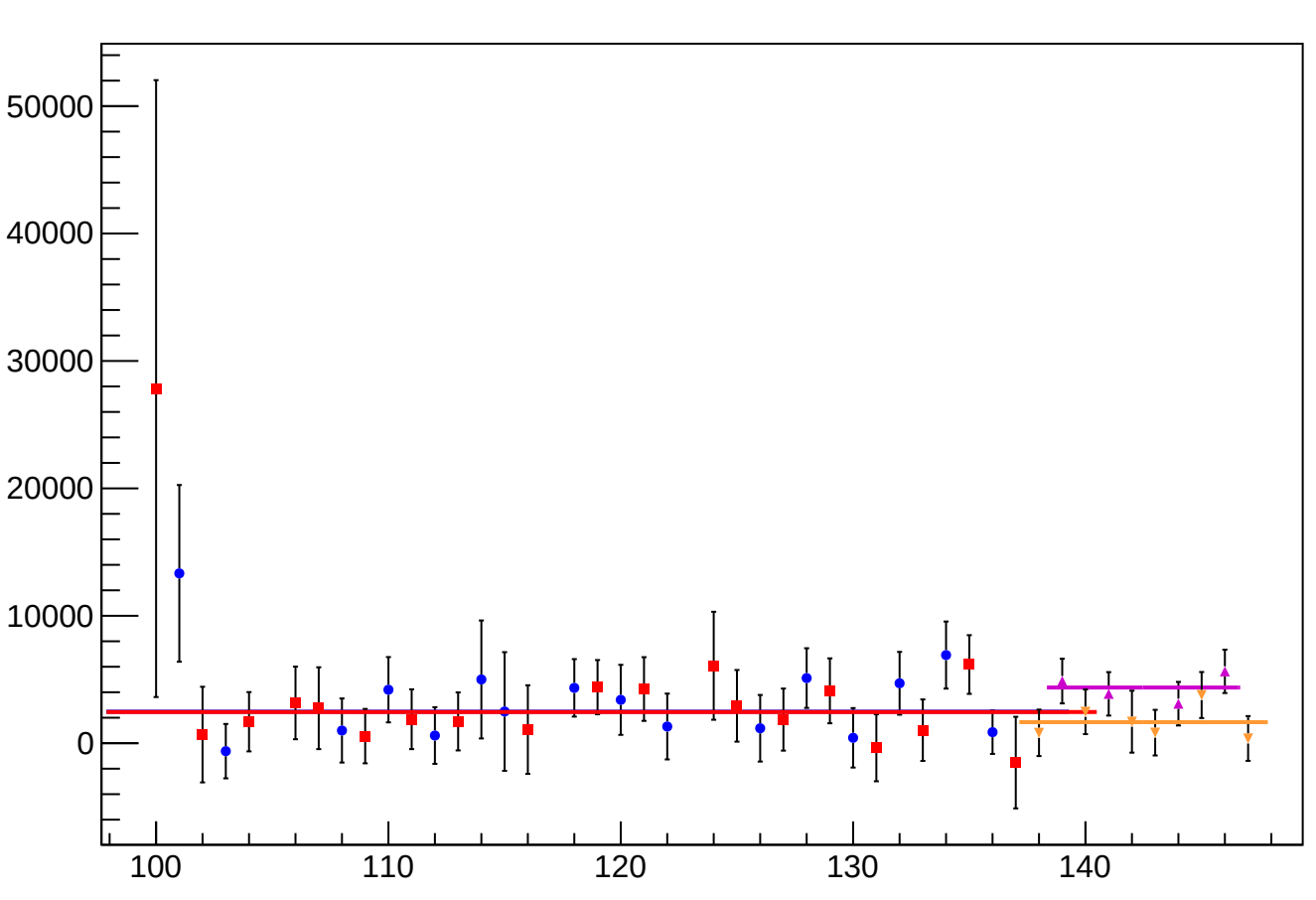
Left: 1004.926+/-0.260 χ^2/NDF: 1003112.9/9

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 931.833+/-0.208 χ^2/NDF:1223809.7/19

Out: 863.038+/-0.187 χ^2/NDF:1875873.8/24

All: 893.693+/-0.139 χ^2/NDF: 3160197.5/44



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1652.013+/-758.495 χ^2/NDF:2.6/5

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4370.092+/-858.536 χ^2/NDF:1.3/3

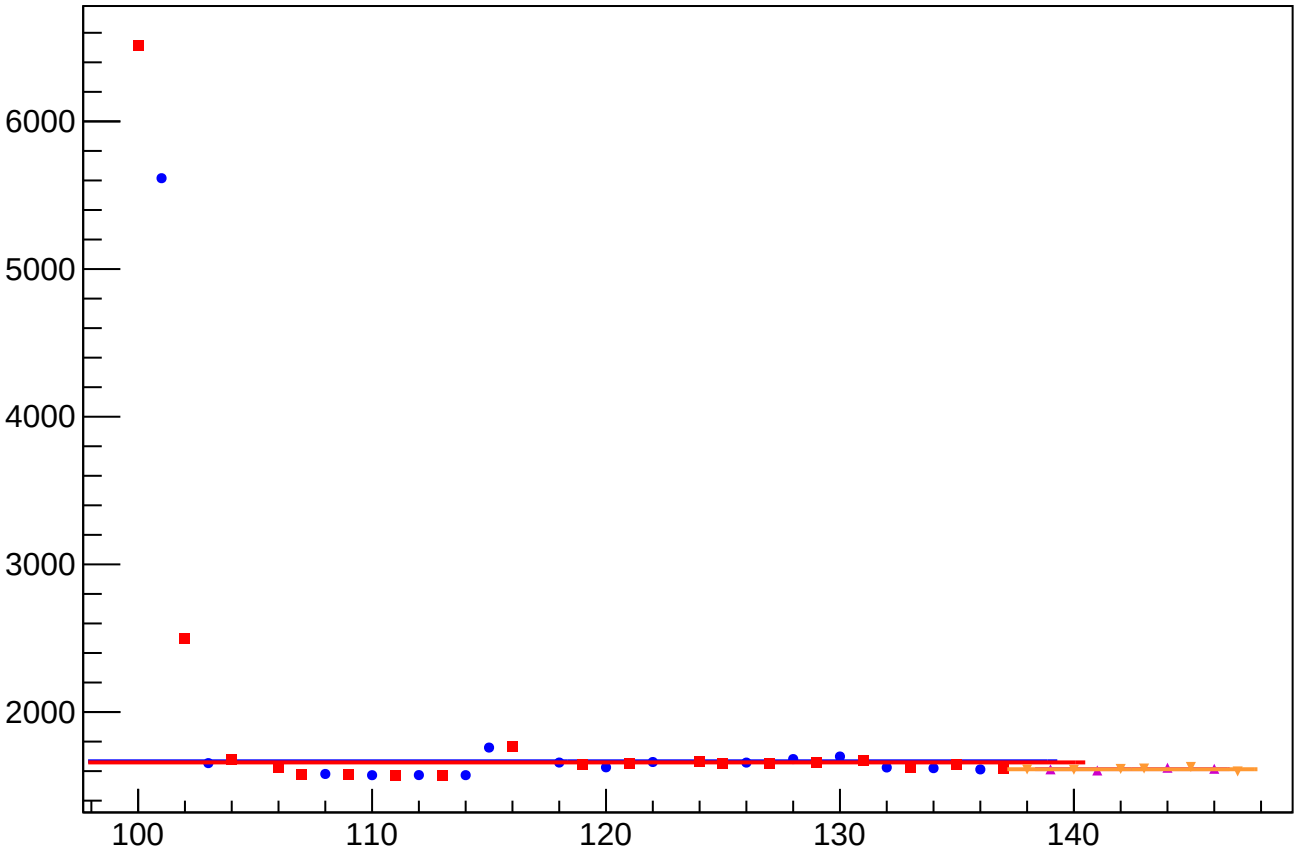
Left: 2843.535+/-568.432 χ^2/NDF: 9.5/9

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 3143.724+/-509.940 χ^2/NDF:18.6/19

Out: 2131.336+/-478.887 χ^2/NDF:13.8/24

All: 2605.769+/-349.086 χ^2/NDF: 34.5/44



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.752+/-0.536 χ^2/NDF:316.2/5

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.954+/-0.607 χ^2/NDF:122.6/3

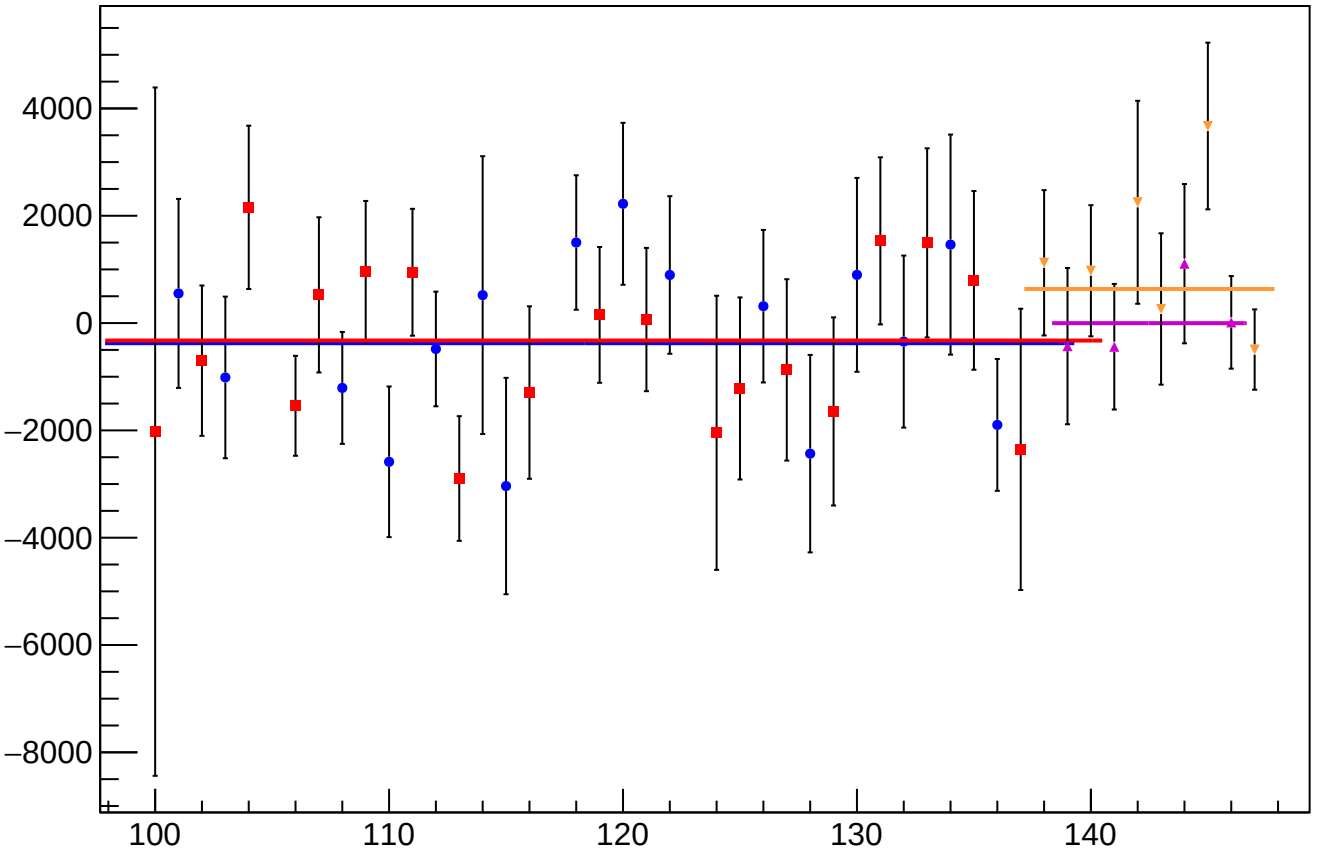
Left: 1613.279+/-0.402 χ^2/NDF: 441.1/9

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1647.897+/-0.361 χ^2/NDF:667867.5/19

Out: 1640.568+/-0.339 χ^2/NDF:198012.3/24

All: 1644.002+/-0.247 χ^2/NDF: 866099.3/44



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 635.813+/-488.166 χ^2/NDF:7.1/5

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: -1.383+/-577.504 χ^2/NDF:0.8/3

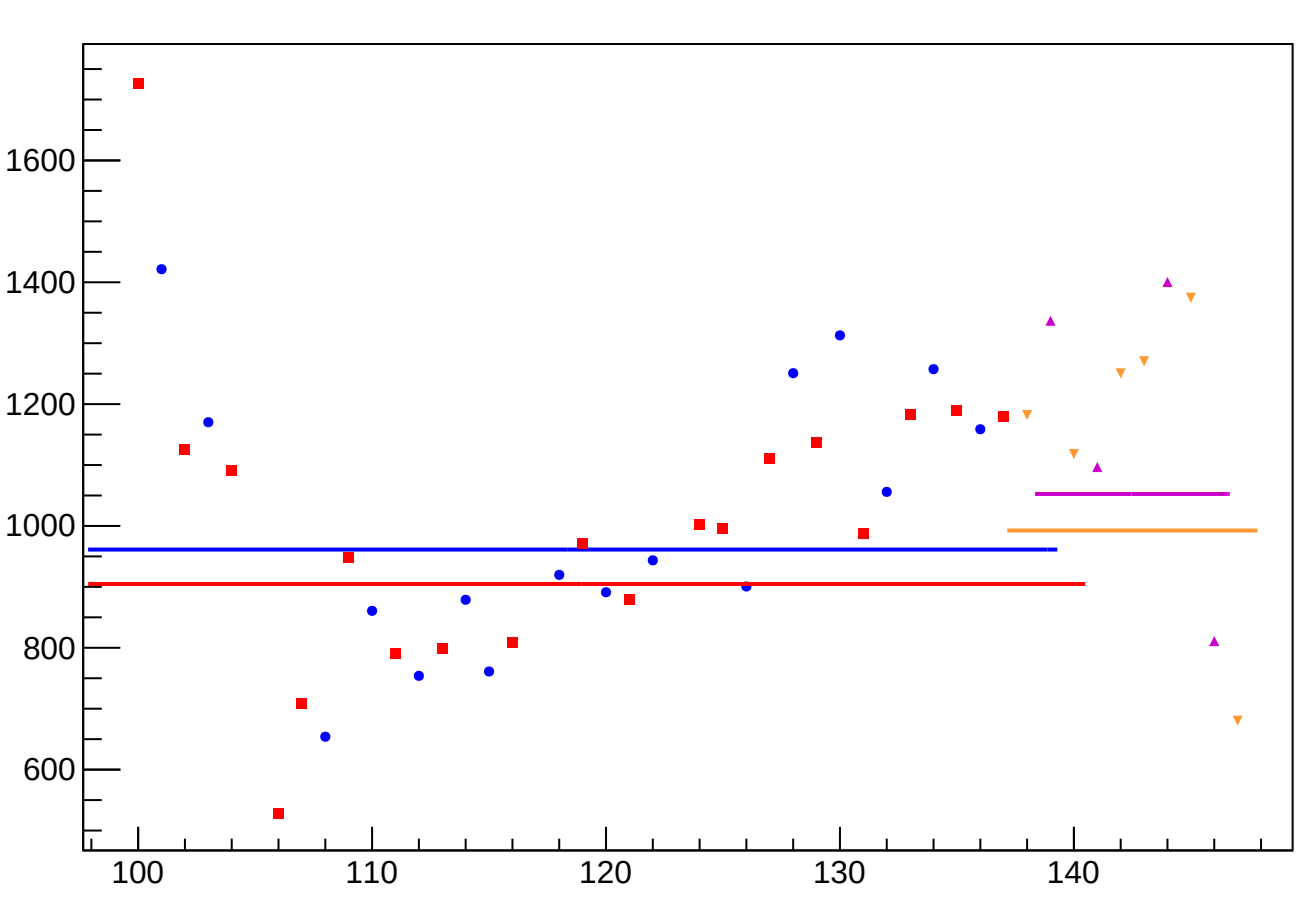
Left: 370.260+/-372.815 χ^2/NDF: 8.6/9

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -266.836+/-310.313 χ^2/NDF:16.8/19

Out: -10.840+/-279.341 χ^2/NDF:27.1/24

All: -125.429+/-207.613 χ^2/NDF: 44.3/44



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 992.557+/-0.345 χ^2/NDF:643963.6/5

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 1052.505+/-0.408 χ^2/NDF:345591.0/3

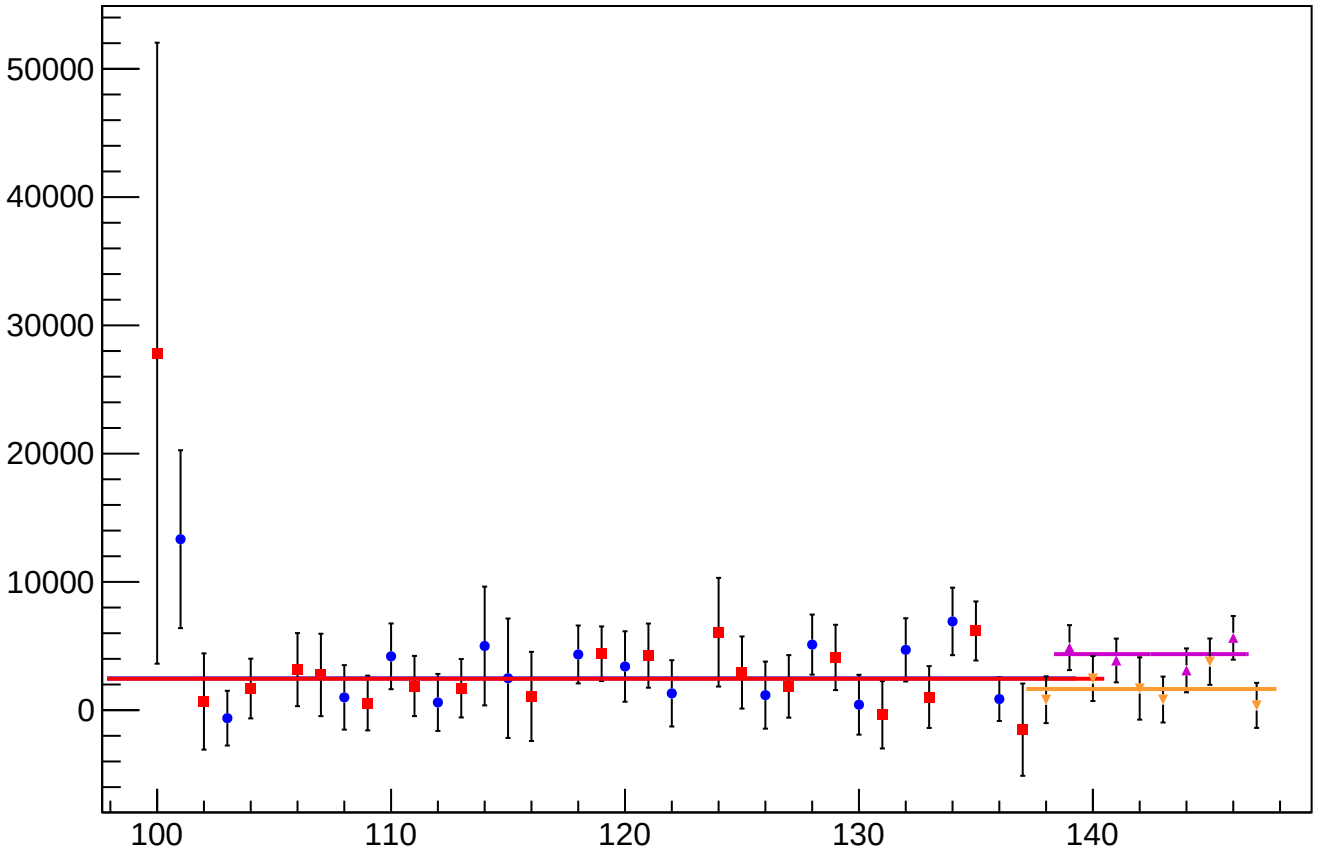
Left: 1017.541+/-0.264 χ^2/NDF: 1002123.9/9

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 987.593+/-0.219 χ^2/NDF:1072991.6/19

Out: 933.493+/-0.198 χ^2/NDF:1423981.7/24

All: 957.709+/-0.147 χ^2/NDF: 2530551.8/44



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1652.015+/-758.495 χ^2/NDF:2.6/5

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 4370.091+/-858.536 χ^2/NDF:1.3/3

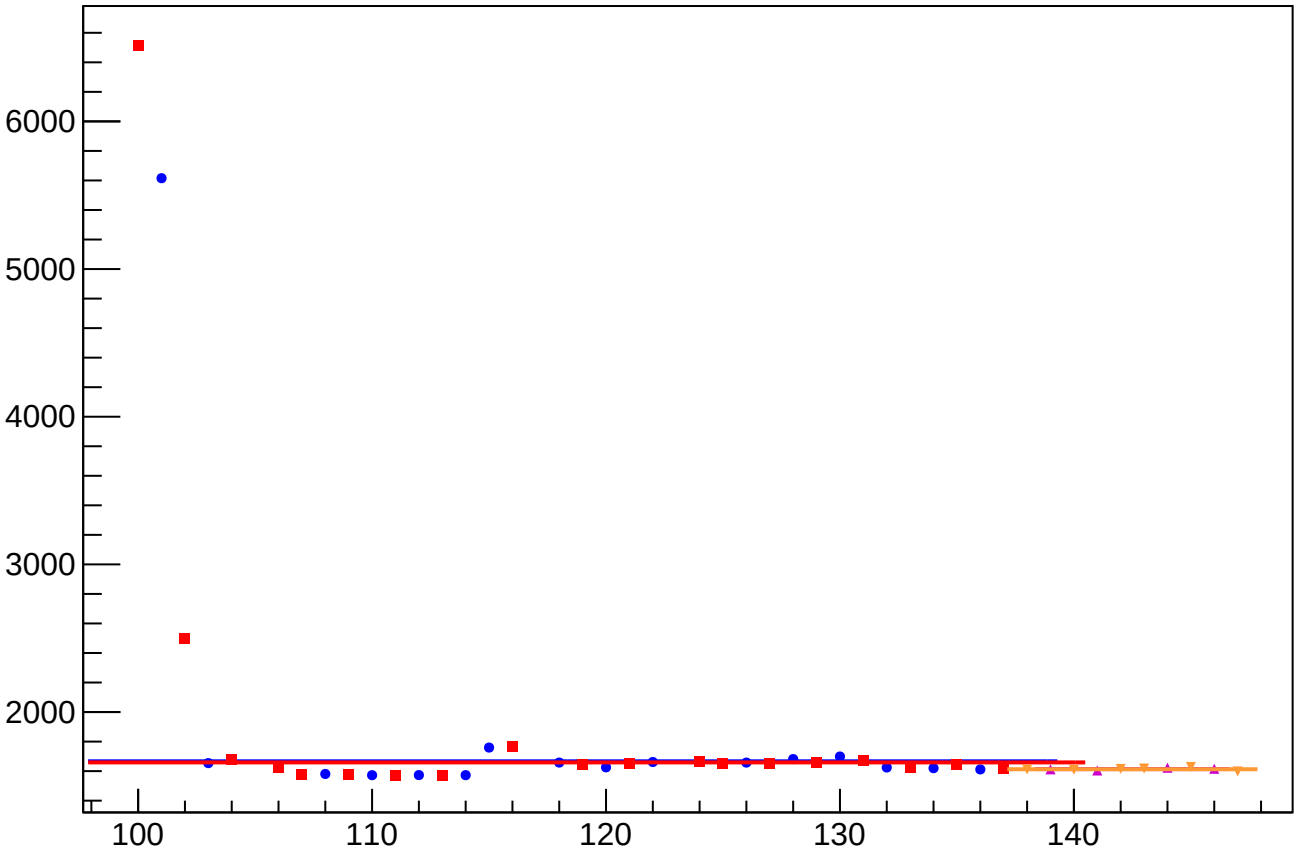
Left: 2843.536+/-568.432 χ^2/NDF: 9.5/9

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 3143.723+/-509.940 χ^2/NDF:18.6/19

Out: 2131.337+/-478.887 χ^2/NDF:13.8/24

All: 2605.769+/-349.086 χ^2/NDF: 34.5/44



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.752+/-0.536 χ^2/NDF:316.2/5

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.954+/-0.607 χ^2/NDF:122.6/3

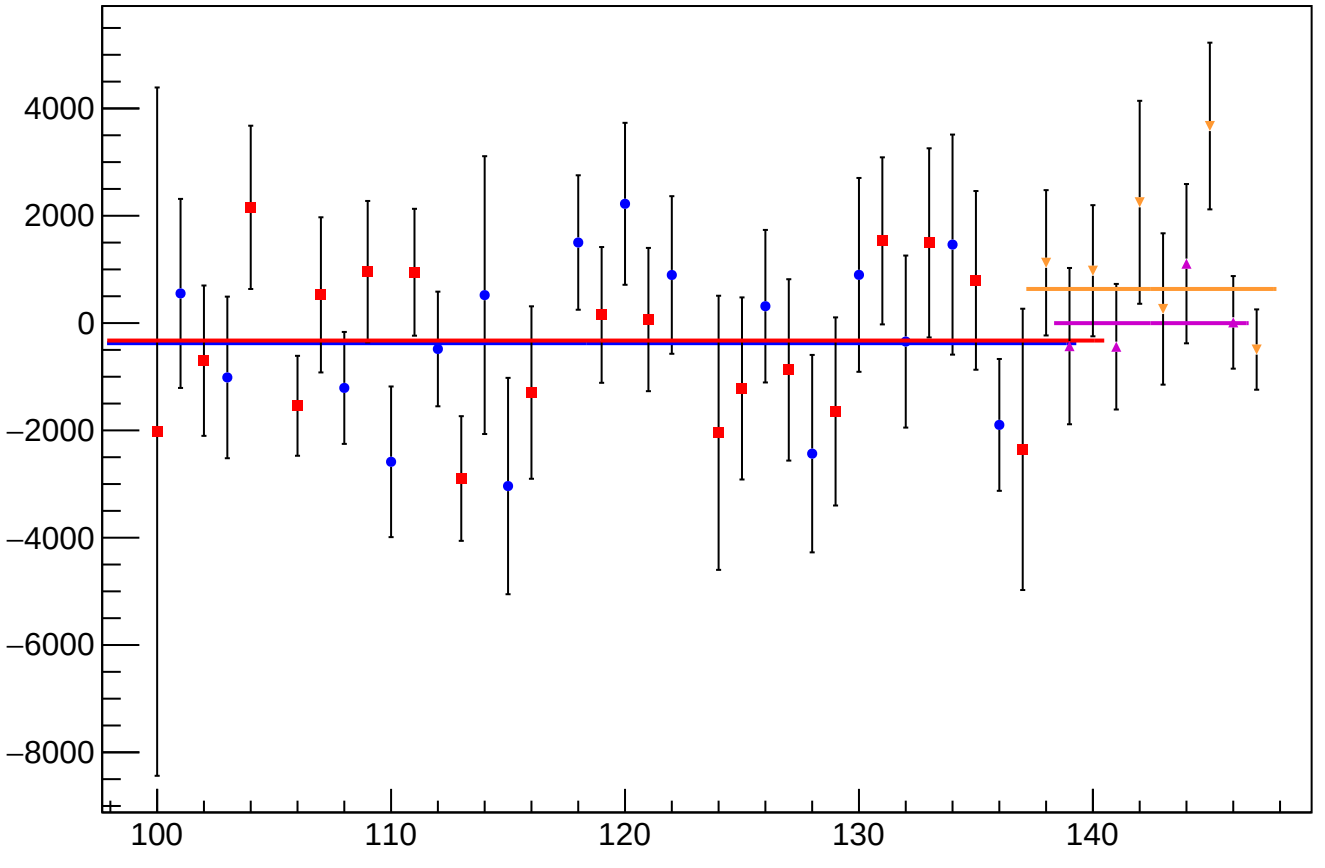
Left: 1613.279+/-0.402 χ^2/NDF: 441.1/9

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1647.897+/-0.361 χ^2/NDF:667867.4/19

Out: 1640.567+/-0.339 χ^2/NDF:198012.1/24

All: 1644.002+/-0.247 χ^2/NDF: 866099.1/44



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 635.812+/-488.167 χ^2/NDF:7.1/5

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: -1.385+/-577.505 χ^2/NDF:0.8/3

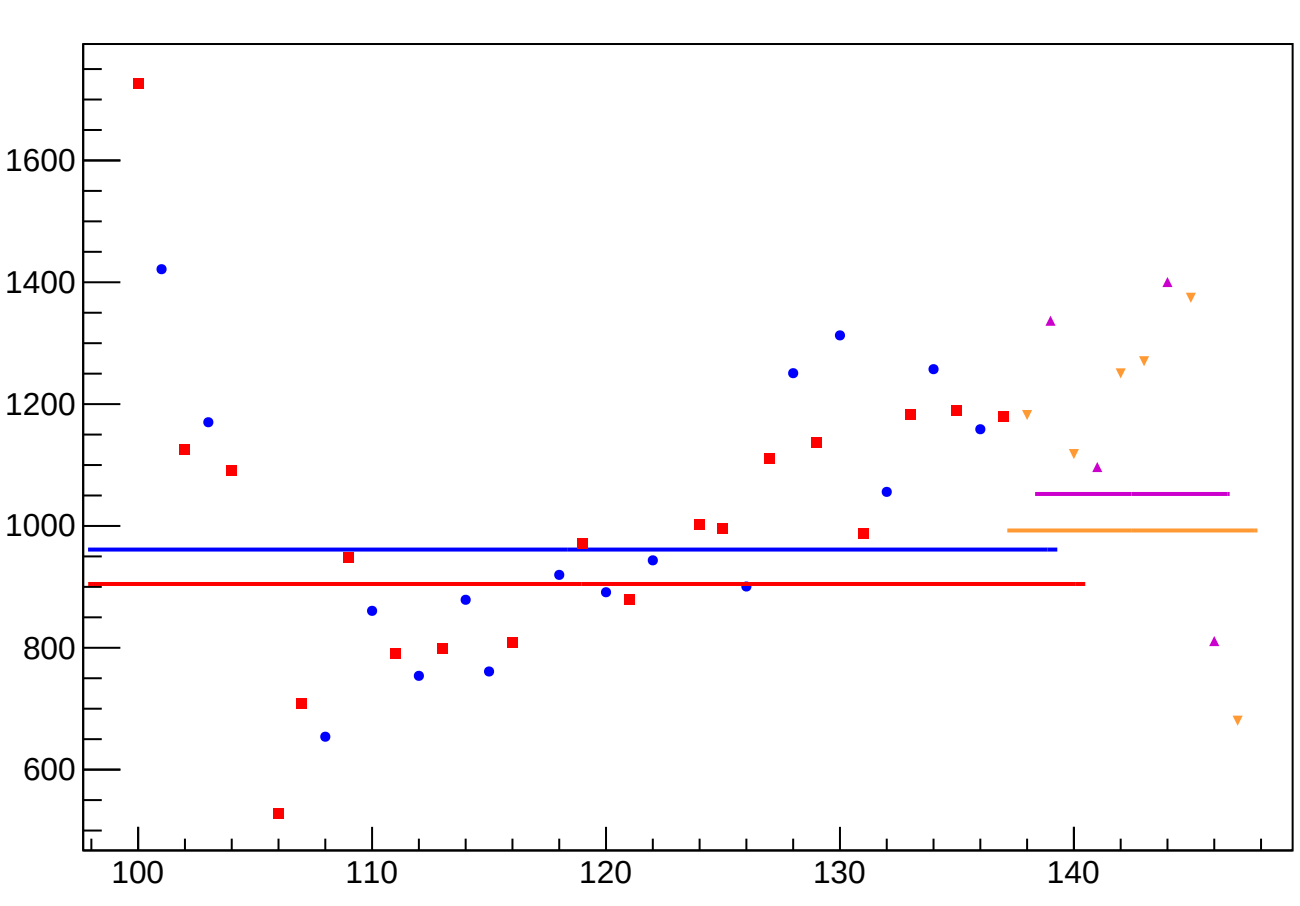
Left: 370.259+/-372.816 χ^2/NDF: 8.6/9

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -266.836+/-310.312 χ^2/NDF:16.8/19

Out: -10.841+/-279.341 χ^2/NDF:27.1/24

All: -125.430+/-207.613 χ^2/NDF: 44.3/44



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 992.559+/-0.345 χ^2/NDF:643964.7/5

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 1052.507+/-0.408 χ^2/NDF:345592.2/3

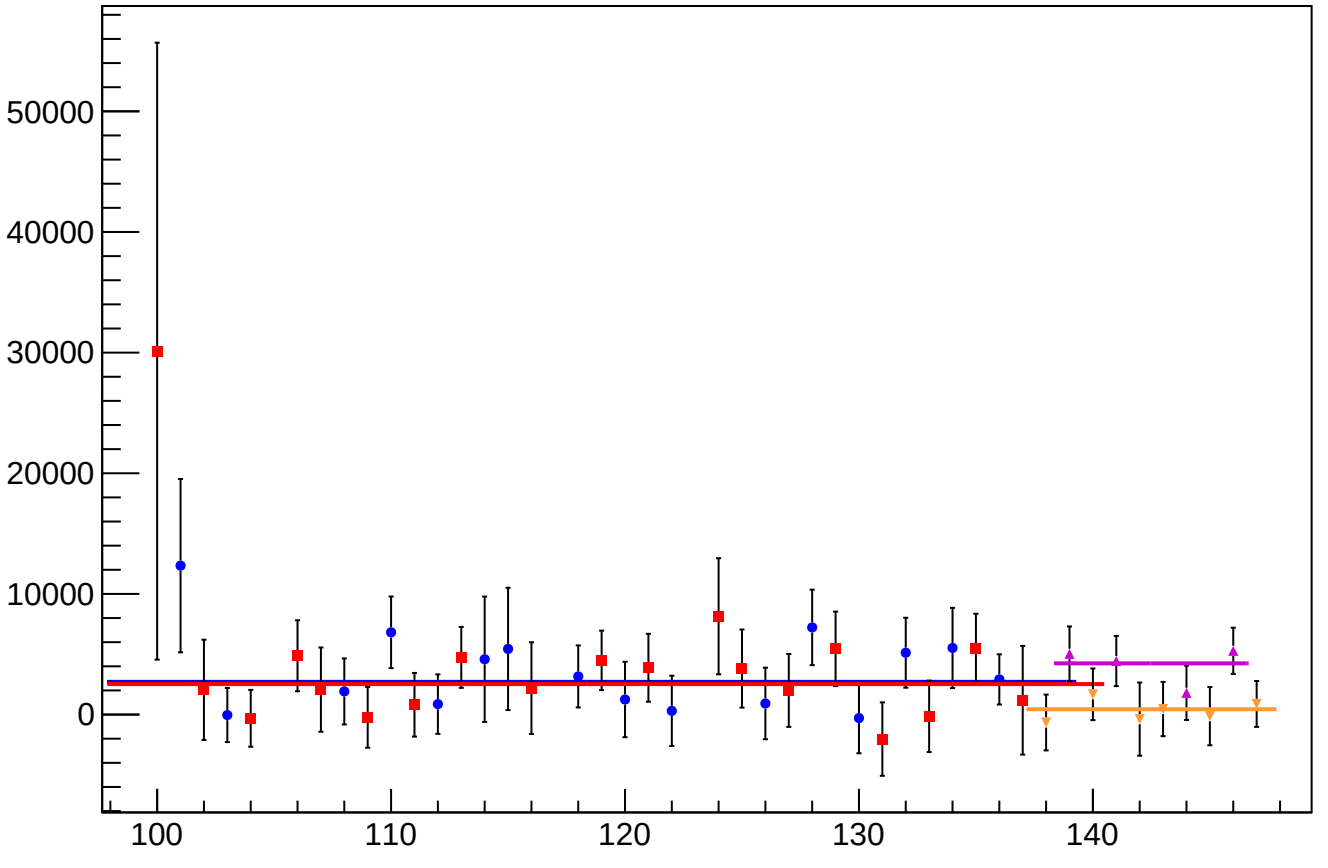
Left: 1017.542+/-0.264 χ^2/NDF: 1002126.3/9

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 987.590+/-0.219 χ^2/NDF:1073005.3/19

Out: 933.491+/-0.198 χ^2/NDF:1423984.5/24

All: 957.707+/-0.147 χ^2/NDF: 2530567.1/44



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 442.891+/-928.764 χ^2/NDF:0.7/5

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 4245.045+/-1056.677 χ^2/NDF:1.6/3

Left: 2100.025+/-697.599 χ^2/NDF: 9.6/9

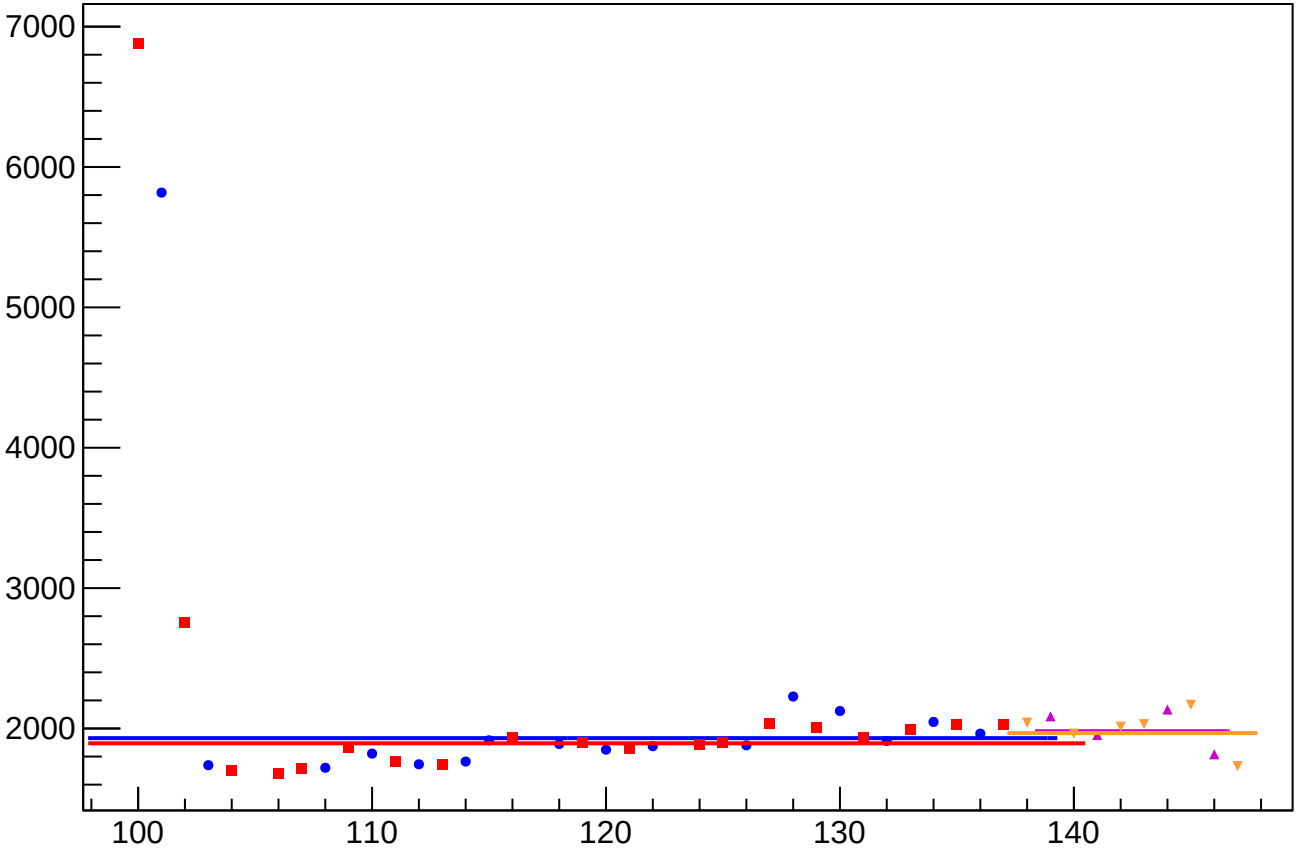
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 3211.548+/-603.435 χ^2/NDF:15.1/19

Out: 1762.220+/-562.276 χ^2/NDF:17.2/24

All: 2435.775+/-411.371 χ^2/NDF: 35.4/44

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1967.278+/-0.657 χ^2/NDF:48626.5/5

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1980.722+/-0.747 χ^2/NDF:28806.6/3

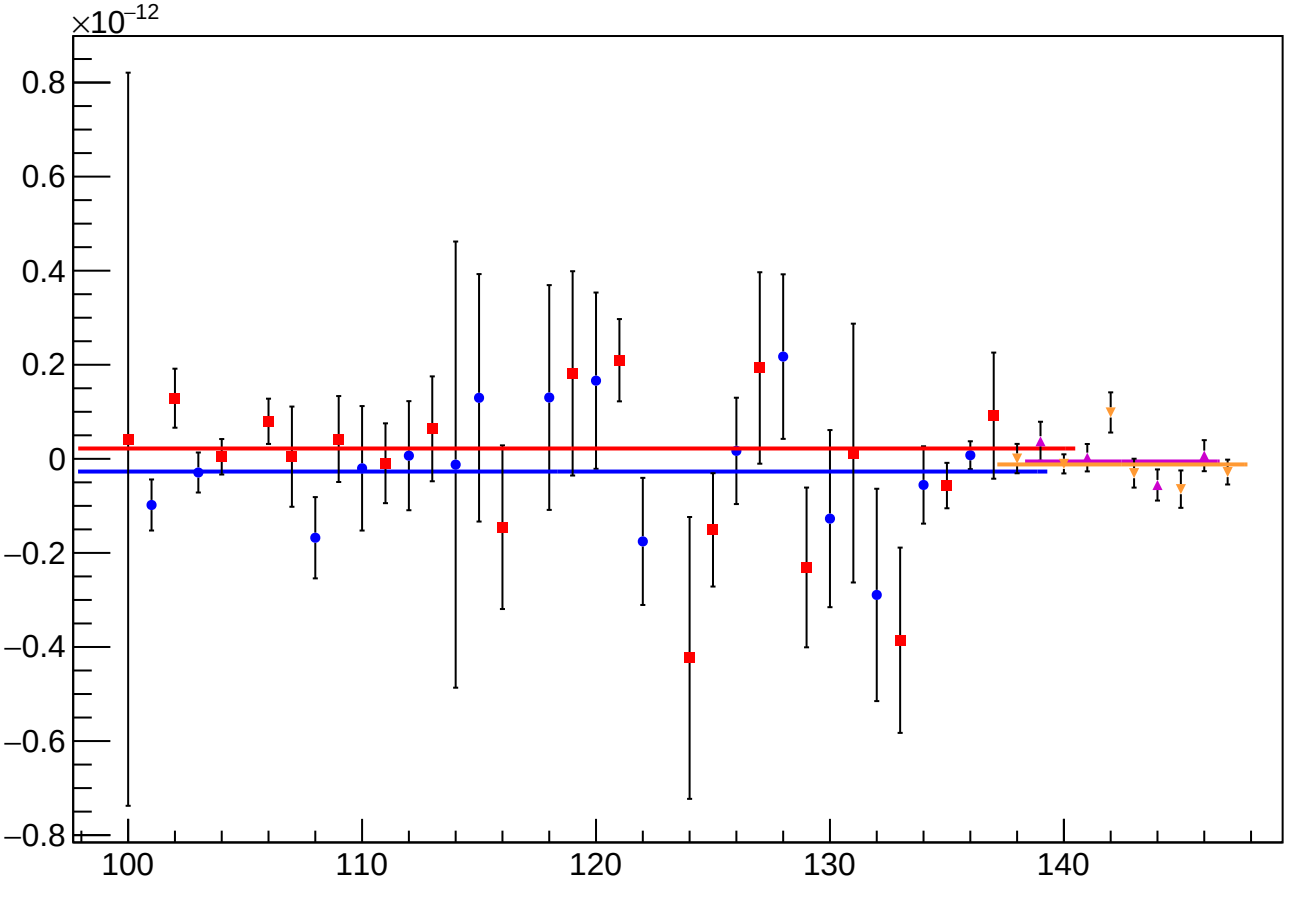
Left: 1973.138+/-0.493 χ^2/NDF: 77615.8/9

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1947.384+/-0.427 χ^2/NDF:692988.0/19

Out: 1921.078+/-0.398 χ^2/NDF:276979.7/24

All: 1933.304+/-0.291 χ^2/NDF: 972002.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/3

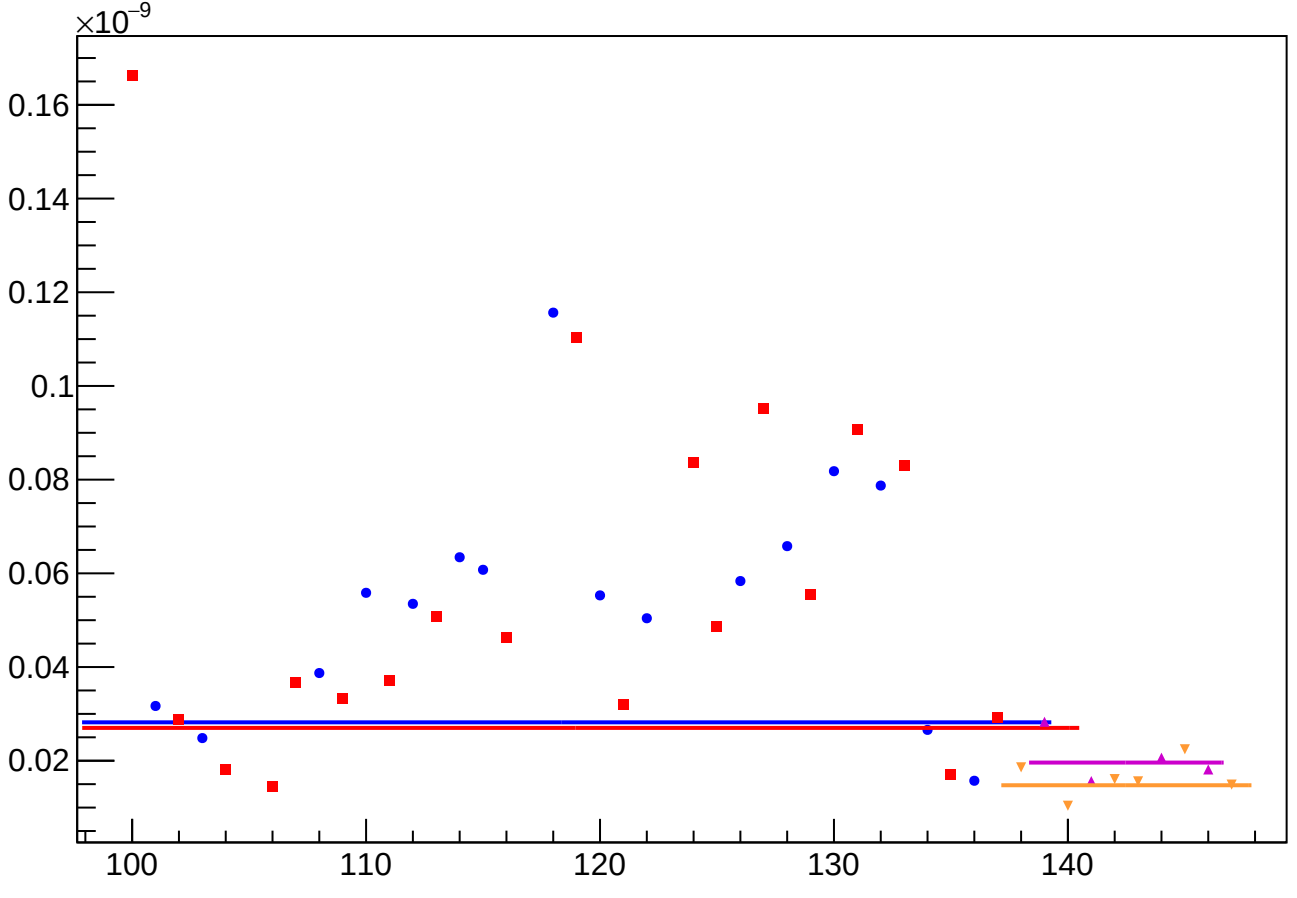
Left: -0.000+/-0.000 χ^2/NDF: 13.0/9

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:17.0/19

Out: -0.000+/-0.000 χ^2/NDF:37.0/24

All: -0.000+/-0.000 χ^2/NDF: 54.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:200651.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:130535.6/3

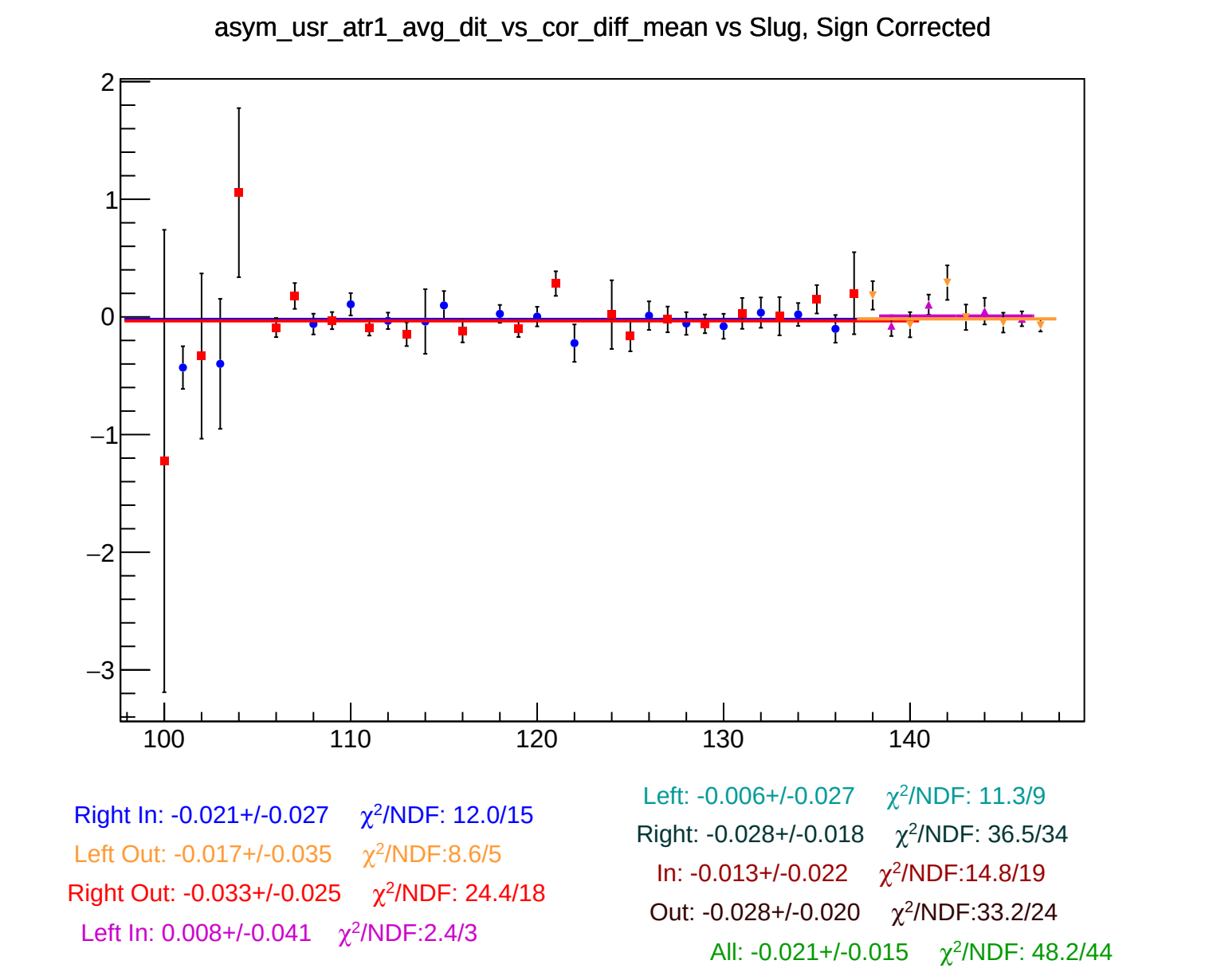
Left: 0.000+/-0.000 χ^2/NDF: 443002.3/9

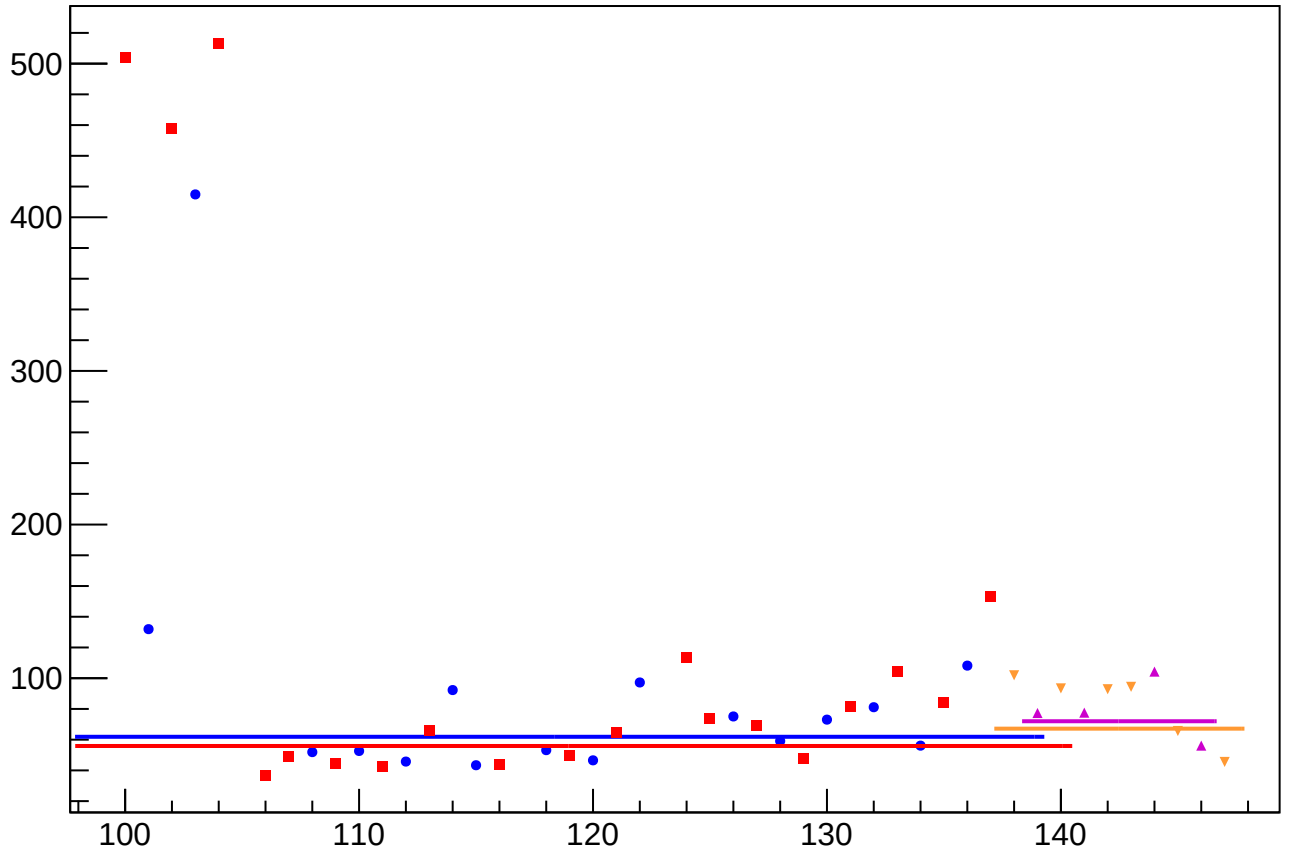
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:1849498.2/19

Out: 0.000+/-0.000 χ^2/NDF:2338215.6/24

All: 0.000+/-0.000 χ^2/NDF: 4396356.7/44


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.017+/-0.035 χ²/NDF:8.6/5
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: 0.008+/-0.041 χ²/NDF:2.4/3
Left: -0.006+/-0.027 χ²/NDF: 11.3/9
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.013+/-0.022 χ²/NDF:14.8/19
Out: -0.028+/-0.020 χ²/NDF:33.2/24
All: -0.021+/-0.015 χ²/NDF: 48.2/44



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 67.167+/-0.025 χ^2/NDF:819323.5/5

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 71.989+/-0.029 χ^2/NDF:306092.7/3

Left: 69.232+/-0.019 χ^2/NDF: 1141290.2/9

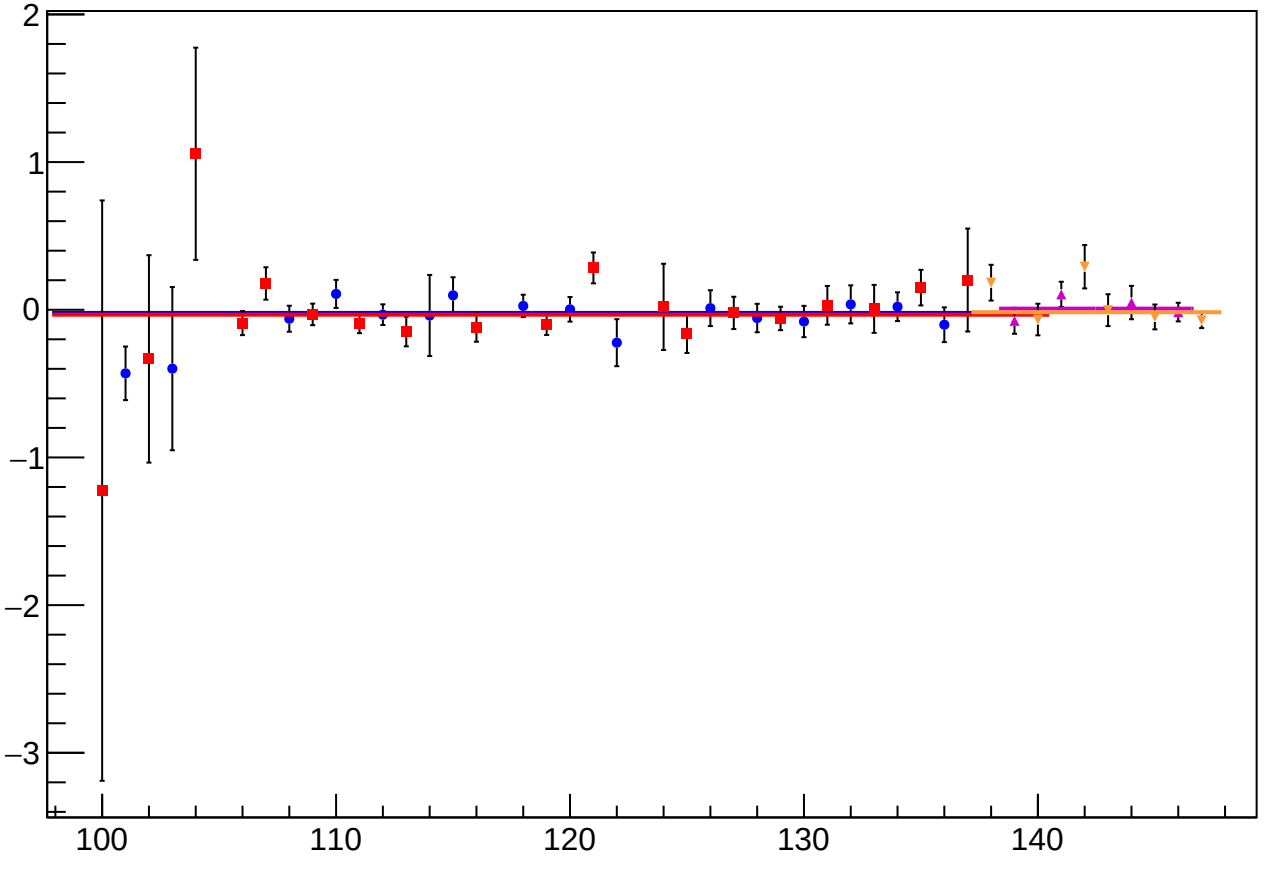
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 64.872+/-0.016 χ^2/NDF:2329970.9/19

Out: 59.555+/-0.014 χ^2/NDF:3547496.6/24

All: 61.953+/-0.011 χ^2/NDF: 5940003.8/44

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: -0.017+/-0.035 χ^2/NDF:8.6/5

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.008+/-0.041 χ^2/NDF:2.4/3

Left: -0.006+/-0.027 χ^2/NDF: 11.3/9

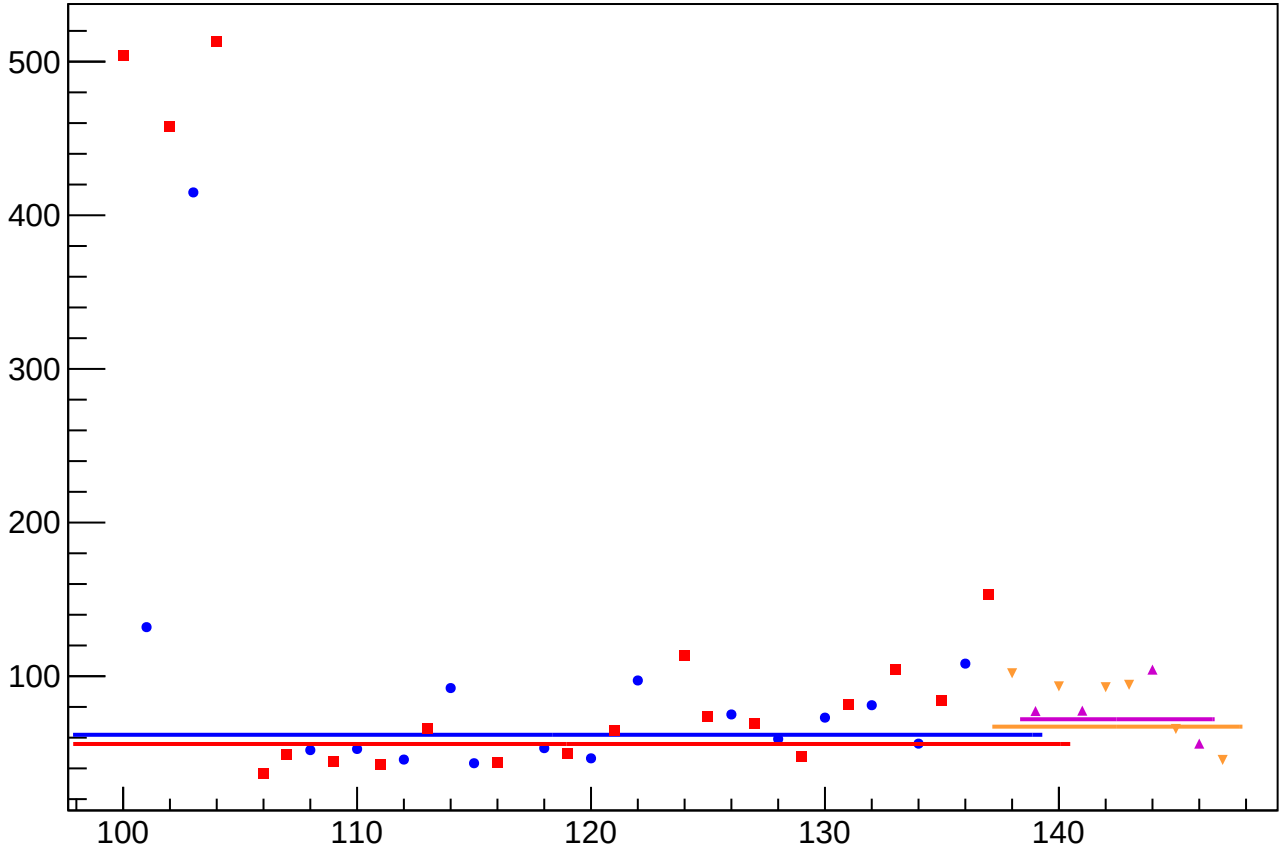
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.013+/-0.022 χ^2/NDF:14.8/19

Out: -0.028+/-0.020 χ^2/NDF:33.2/24

All: -0.021+/-0.015 χ^2/NDF: 48.2/44

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 67.167+/-0.025 χ^2/NDF:819323.5/5

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 71.989+/-0.029 χ^2/NDF:306092.7/3

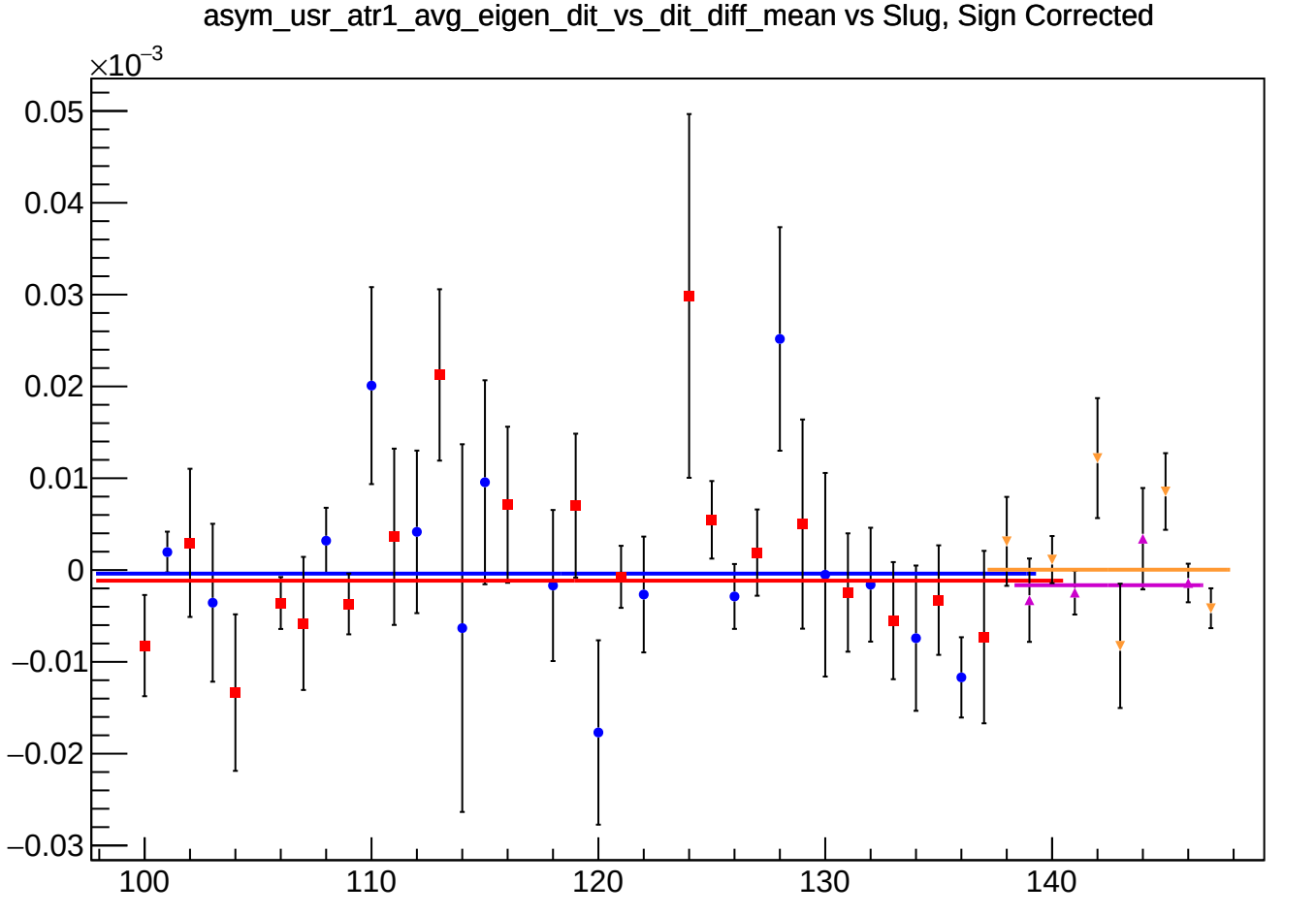
Left: 69.232+/-0.019 χ^2/NDF: 1141290.2/9

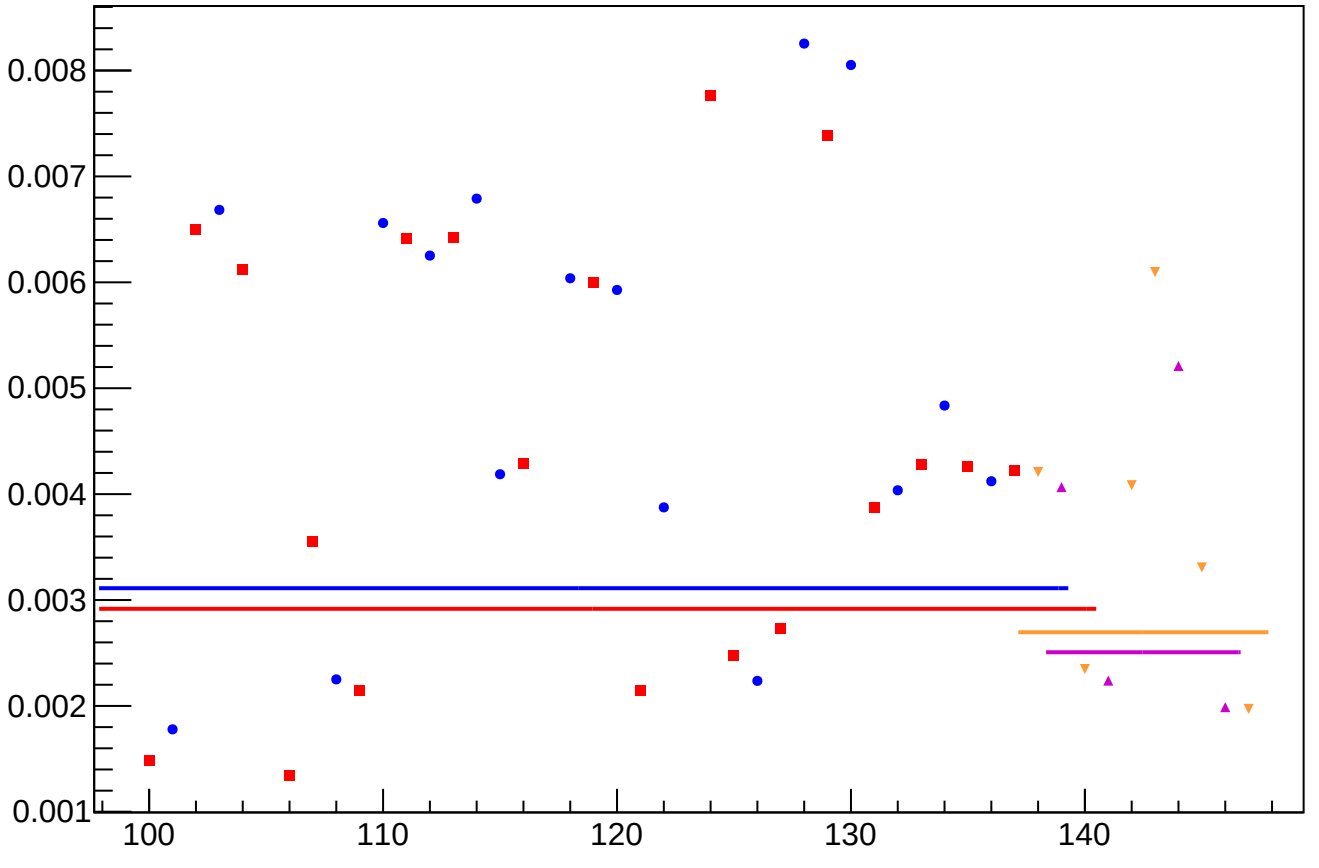
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 64.872+/-0.016 χ^2/NDF:2329970.9/19

Out: 59.555+/-0.014 χ^2/NDF:3547496.6/24

All: 61.953+/-0.011 χ^2/NDF: 5940003.8/44


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:13.5/5
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/18
Left In: -0.000+/-0.000 χ²/NDF:1.1/3
Left: -0.000+/-0.000 χ²/NDF: 15.3/9
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: -0.000+/-0.000 χ²/NDF:24.1/19
Out: -0.000+/-0.000 χ²/NDF:34.3/24
All: -0.000+/-0.000 χ²/NDF: 58.5/44



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:1092376.0/5

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862193.8/3

Left: 0.003+/-0.000 χ^2/NDF: 1972259.4/9

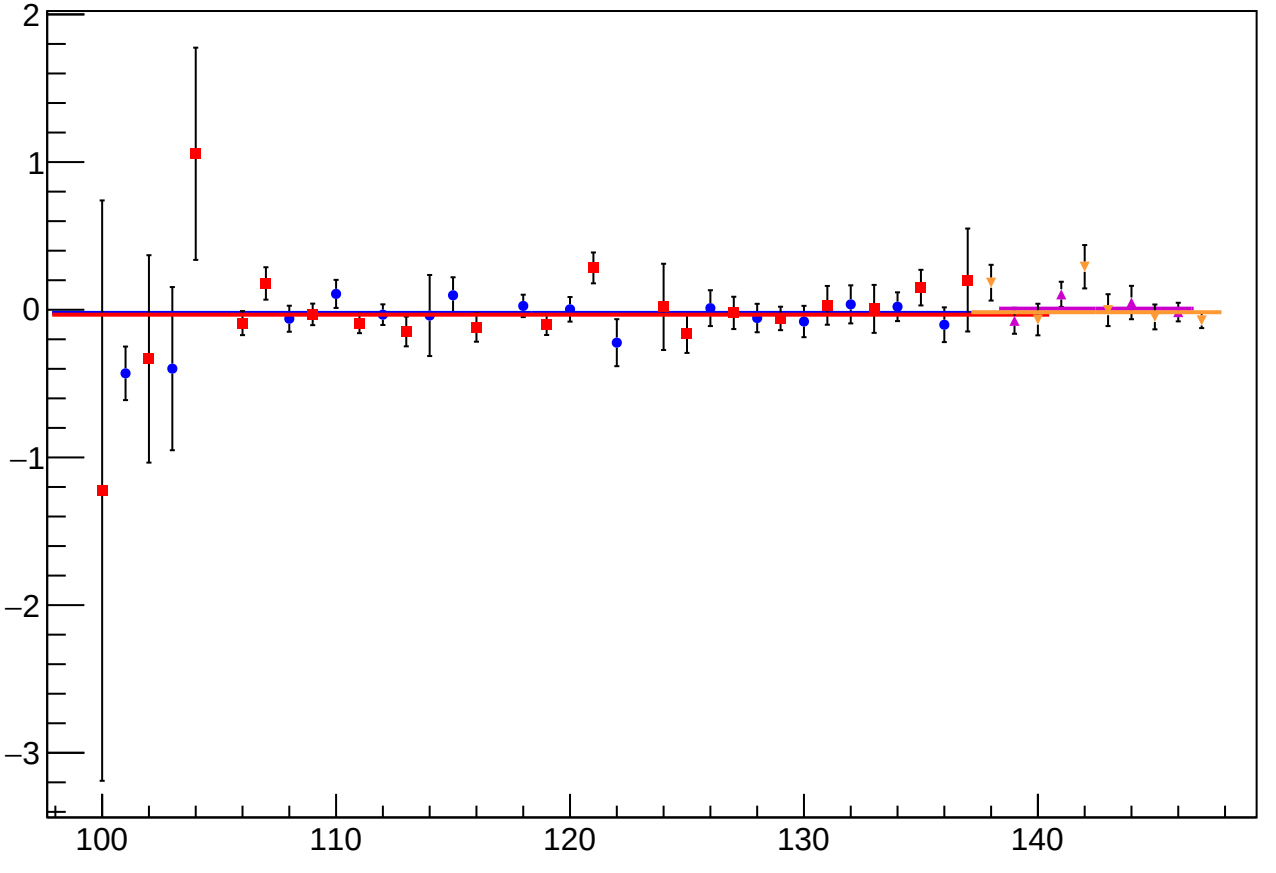
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:4336582.5/19

Out: 0.003+/-0.000 χ^2/NDF:4415646.3/24

All: 0.003+/-0.000 χ^2/NDF: 8752438.7/44

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: -0.017+/-0.035 χ^2/NDF:8.6/5

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.008+/-0.041 χ^2/NDF:2.4/3

Left: -0.006+/-0.027 χ^2/NDF: 11.3/9

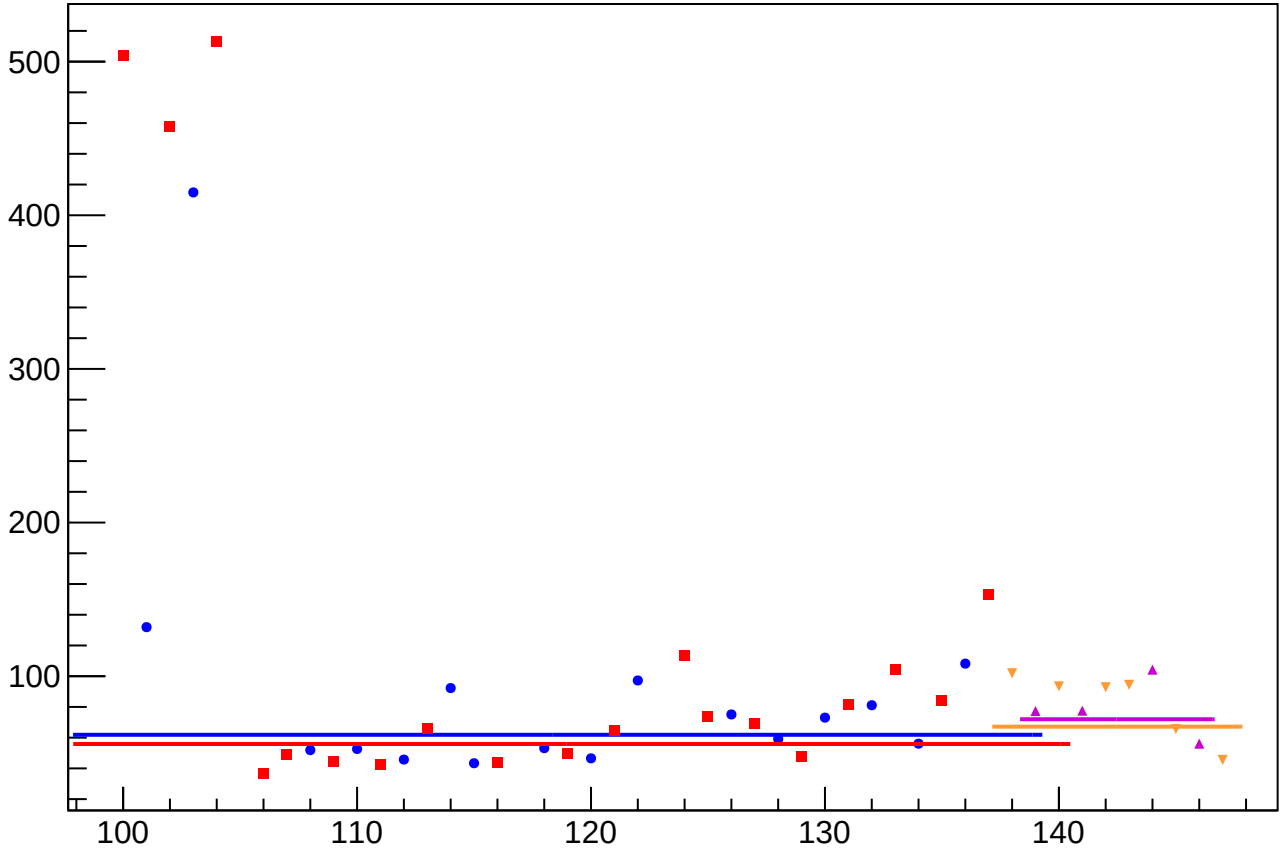
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.013+/-0.022 χ^2/NDF:14.8/19

Out: -0.028+/-0.020 χ^2/NDF:33.2/24

All: -0.021+/-0.015 χ^2/NDF: 48.2/44

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 67.167+/-0.025 χ^2/NDF:819338.0/5

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 71.989+/-0.029 χ^2/NDF:306107.0/3

Left: 69.231+/-0.019 χ^2/NDF: 1141319.2/9

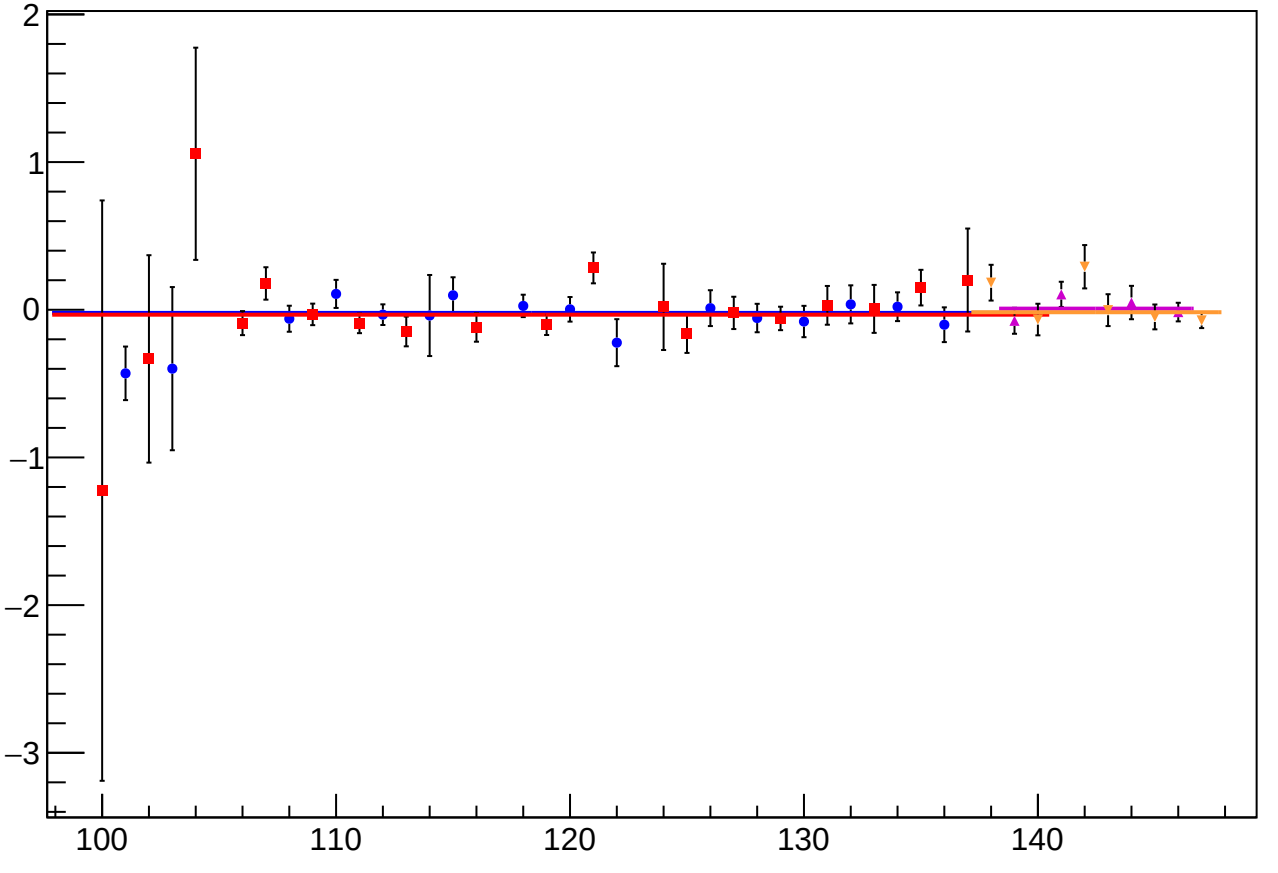
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 64.871+/-0.016 χ^2/NDF:2329945.3/19

Out: 59.554+/-0.014 χ^2/NDF:3547486.1/24

All: 61.953+/-0.011 χ^2/NDF: 5939971.3/44

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: -0.017+/-0.035 χ^2/NDF:8.6/5

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.008+/-0.041 χ^2/NDF:2.4/3

Left: -0.006+/-0.027 χ^2/NDF: 11.3/9

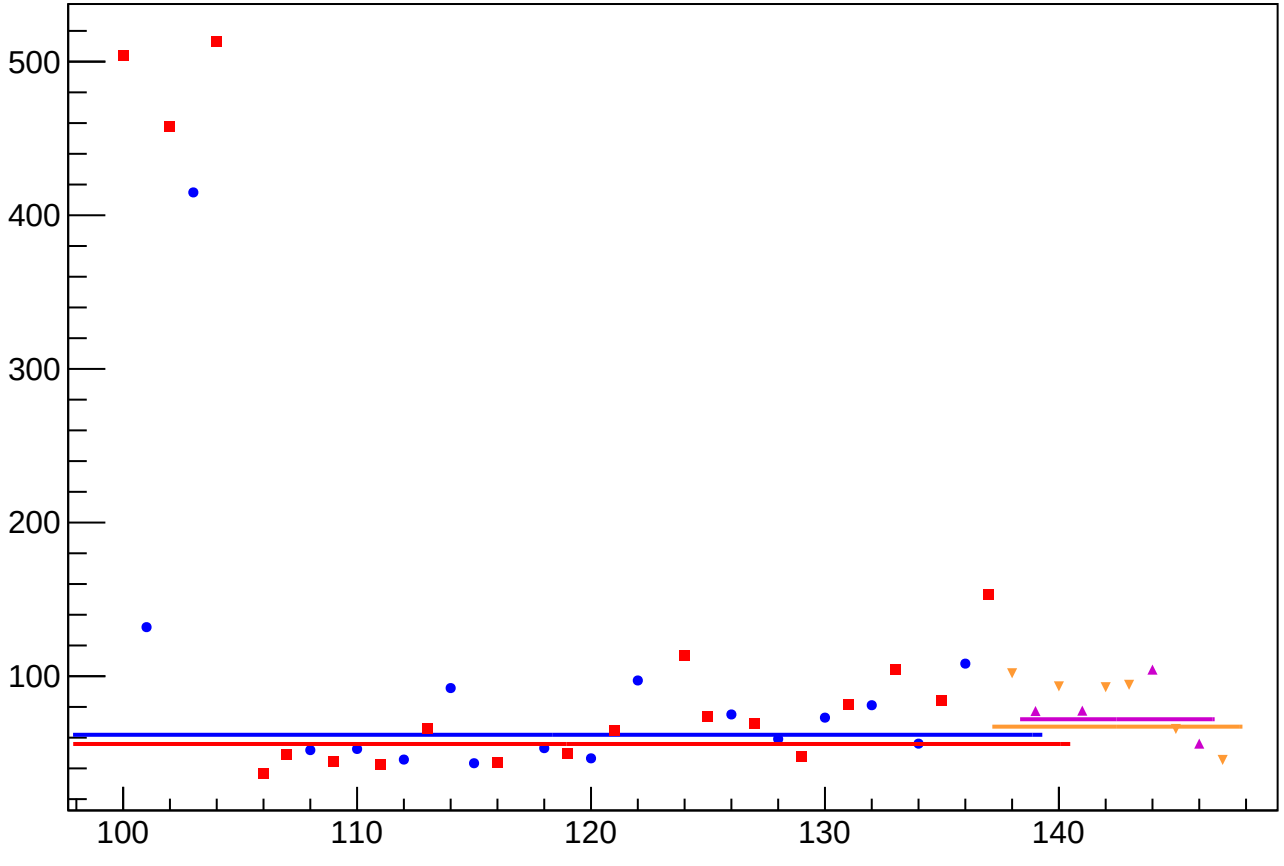
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.013+/-0.022 χ^2/NDF:14.8/19

Out: -0.028+/-0.020 χ^2/NDF:33.2/24

All: -0.021+/-0.015 χ^2/NDF: 48.2/44

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: 67.167+/-0.025 χ^2/NDF:819338.0/5

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 71.989+/-0.029 χ^2/NDF:306107.0/3

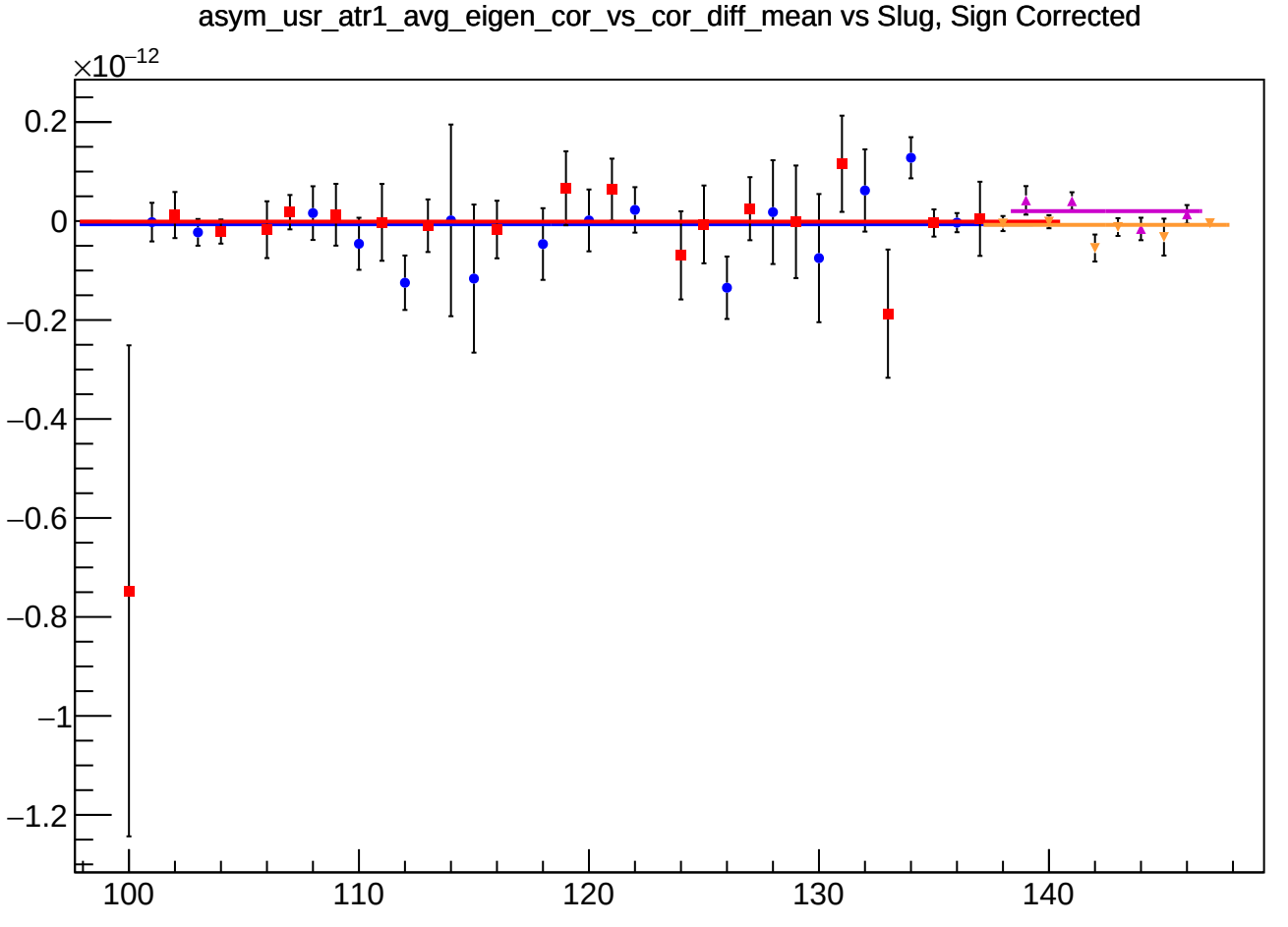
Left: 69.231+/-0.019 χ^2/NDF: 1141319.2/9

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 64.871+/-0.016 χ^2/NDF:2329945.3/19

Out: 59.554+/-0.014 χ^2/NDF:3547486.1/24

All: 61.953+/-0.011 χ^2/NDF: 5939971.3/44



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/3

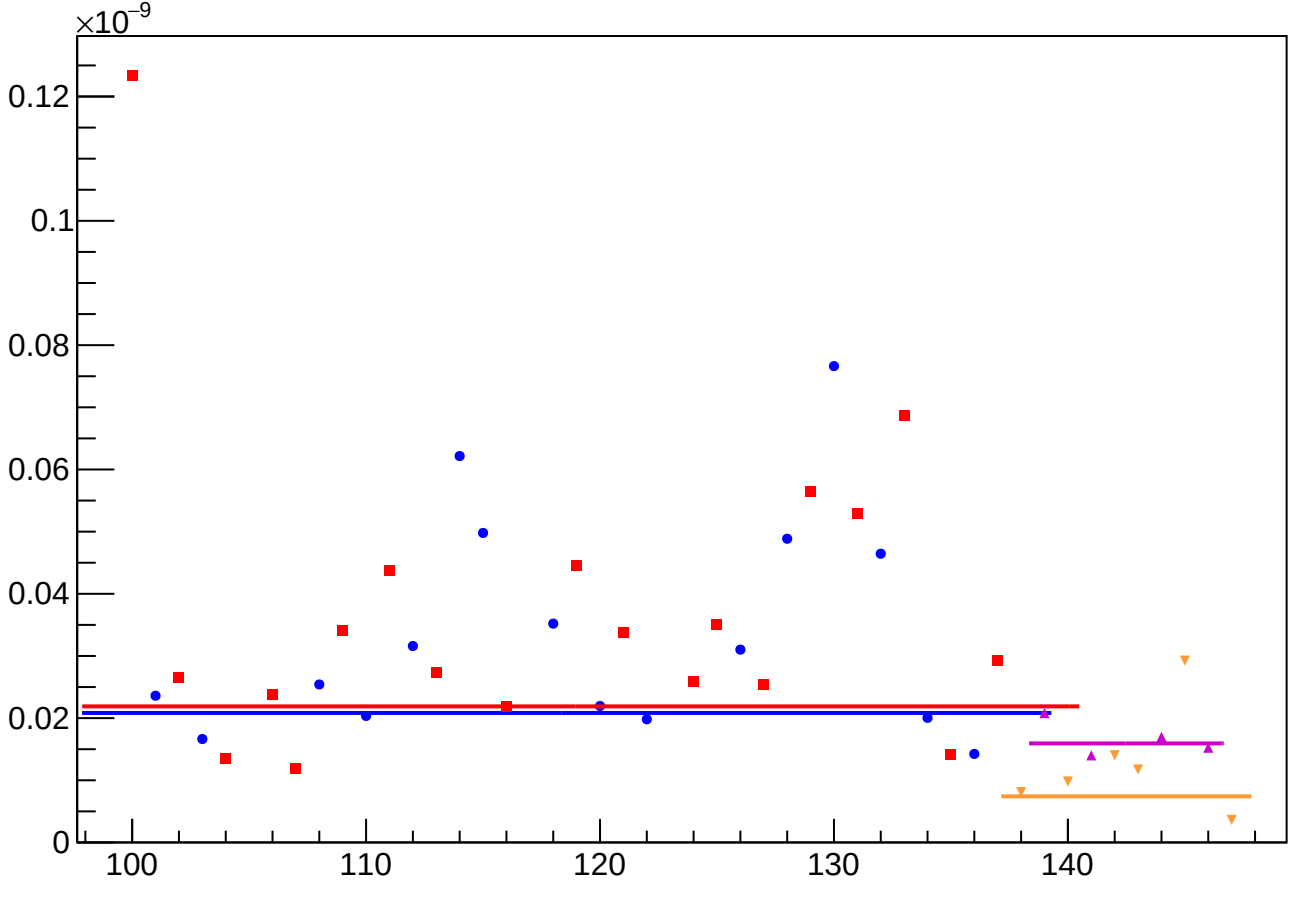
Left: -0.000+/-0.000 χ^2/NDF: 13.6/9

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:30.0/19

Out: -0.000+/-0.000 χ^2/NDF:13.8/24

All: -0.000+/-0.000 χ^2/NDF: 46.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1402298.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:86978.5/3

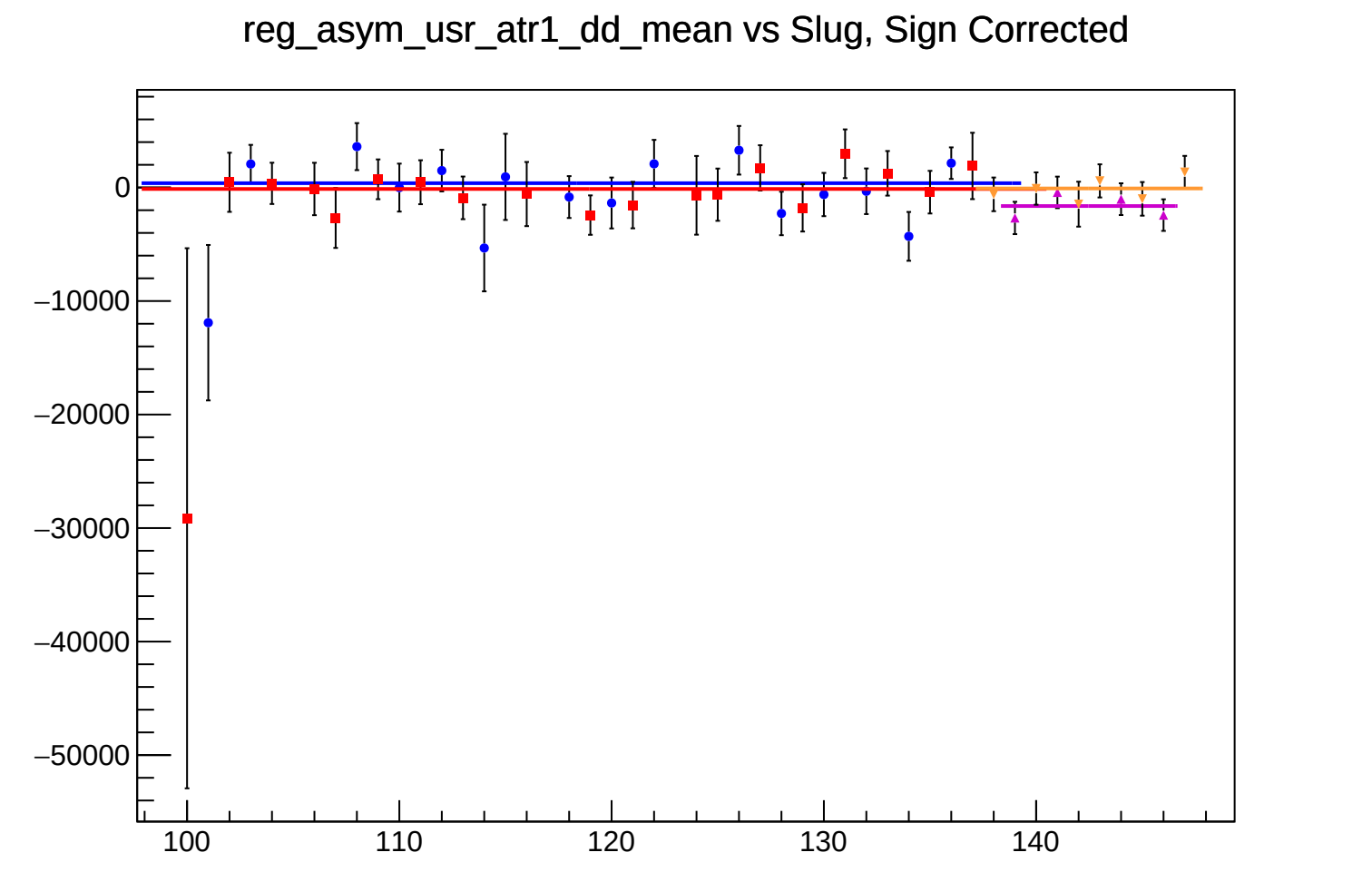
Left: 0.000+/-0.000 χ^2/NDF: 2494439.3/9

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:1673414.8/19

Out: 0.000+/-0.000 χ^2/NDF:5697351.5/24

All: 0.000+/-0.000 χ^2/NDF: 8851598.2/44



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -82.519+/-618.311 χ^2/NDF:2.2/5

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -1630.693+/-700.429 χ^2/NDF:1.8/3

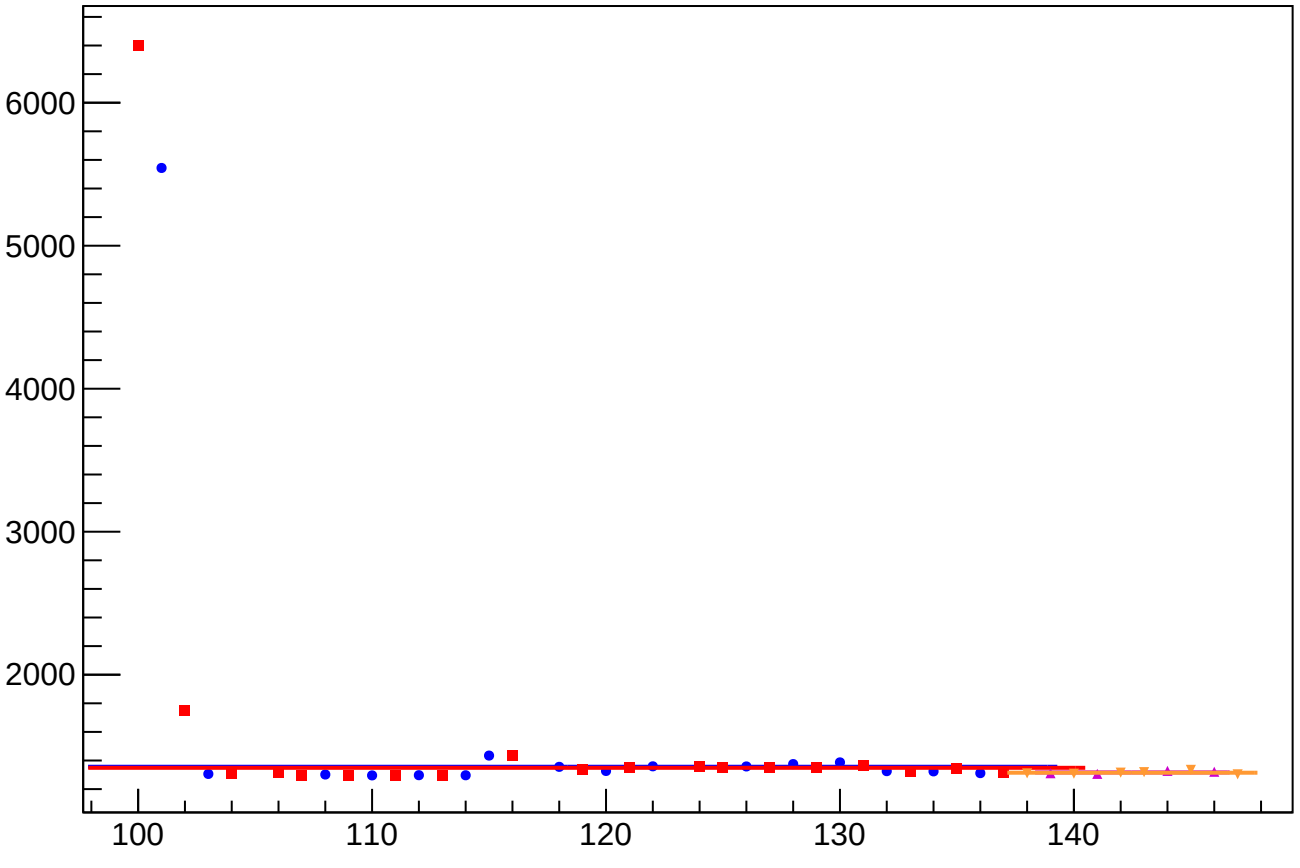
Left: -760.574+/-463.539 χ^2/NDF: 6.8/9

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -329.615+/-416.371 χ^2/NDF:28.7/19

Out: -109.932+/-389.252 χ^2/NDF:12.2/24

All: -212.387+/-284.347 χ^2/NDF: 41.0/44



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1314.675+/-0.437 χ^2/NDF:568.0/5

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

Left: 1315.588+/-0.328 χ^2/NDF: 857.9/9

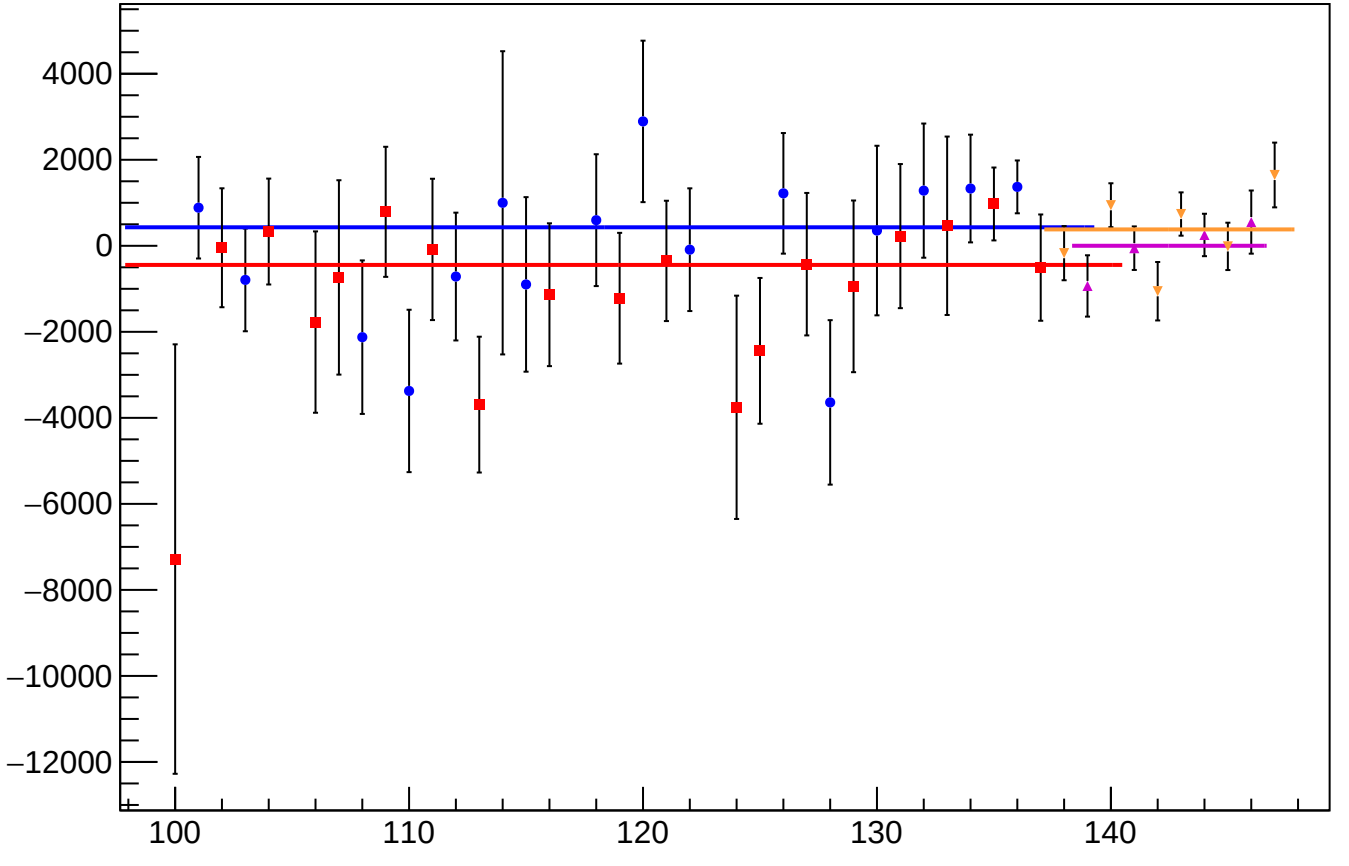
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1342.390+/-0.294 χ^2/NDF:764688.0/19

Out: 1335.381+/-0.275 χ^2/NDF:151548.9/24

All: 1338.650+/-0.201 χ^2/NDF: 916539.3/44

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 381.014+/-238.752 χ^2/NDF:10.3/5

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 0.691+/-290.637 χ^2/NDF:2.6/3

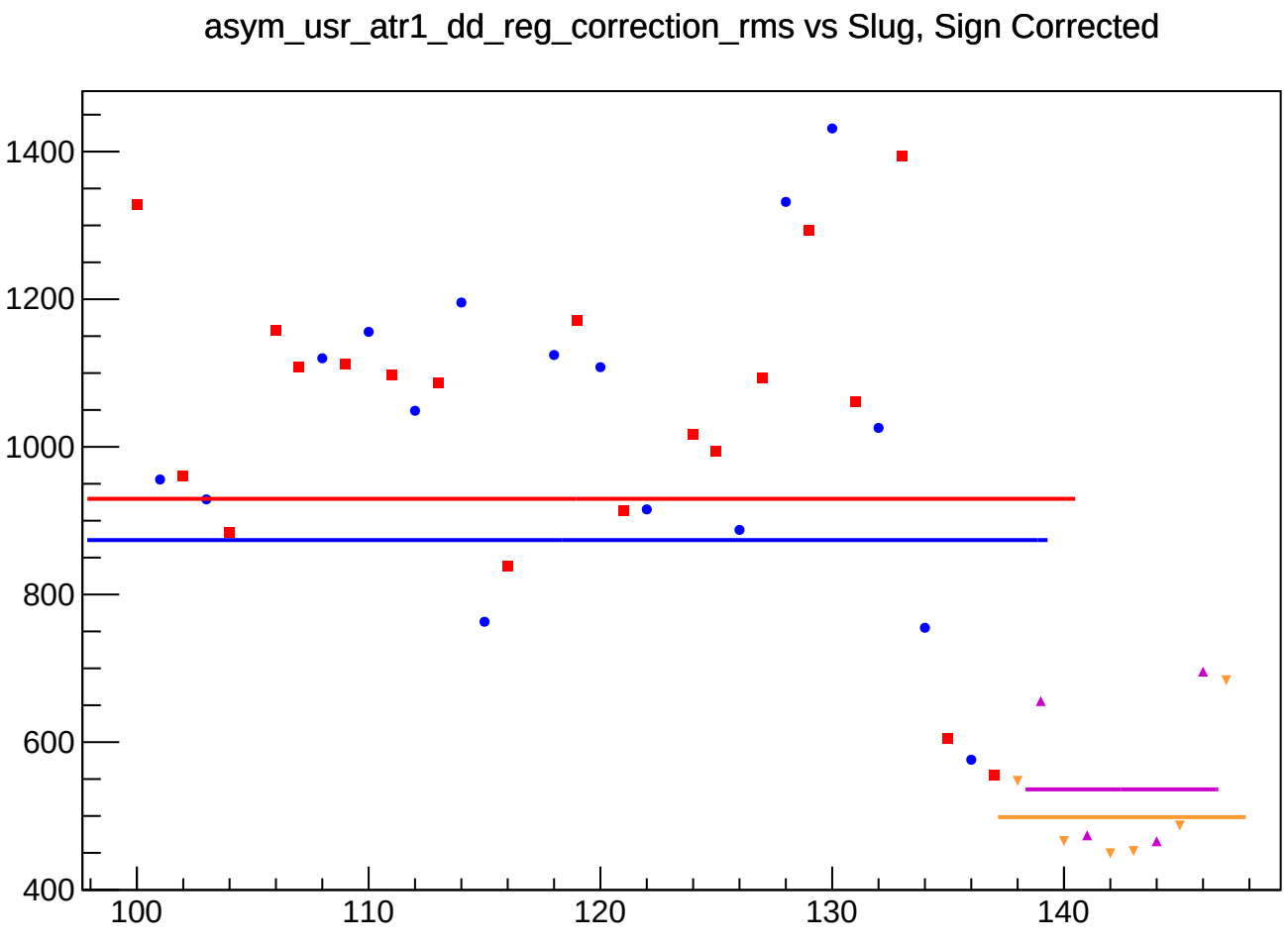
Left: 227.774+/-184.485 χ^2/NDF: 13.9/9

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 183.052+/-220.498 χ^2/NDF:21.7/19

Out: 124.489+/-198.218 χ^2/NDF:28.4/24

All: 150.664+/-147.411 χ^2/NDF: 50.2/44



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 498.469+/-0.169 χ^2/NDF:169588.3/5

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 536.018+/-0.206 χ^2/NDF:221824.0/3

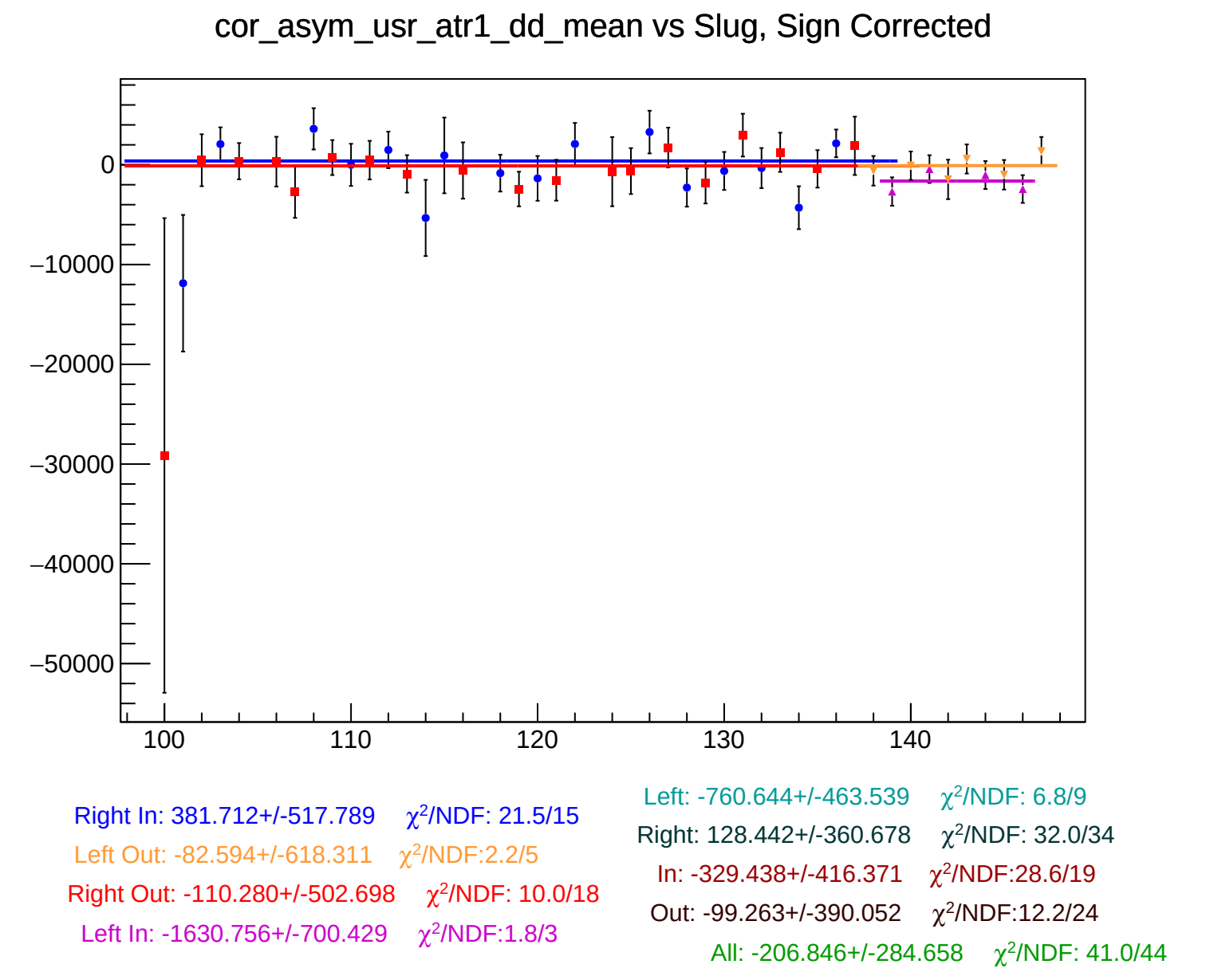
Left: 513.598+/-0.130 χ^2/NDF: 411344.7/9

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

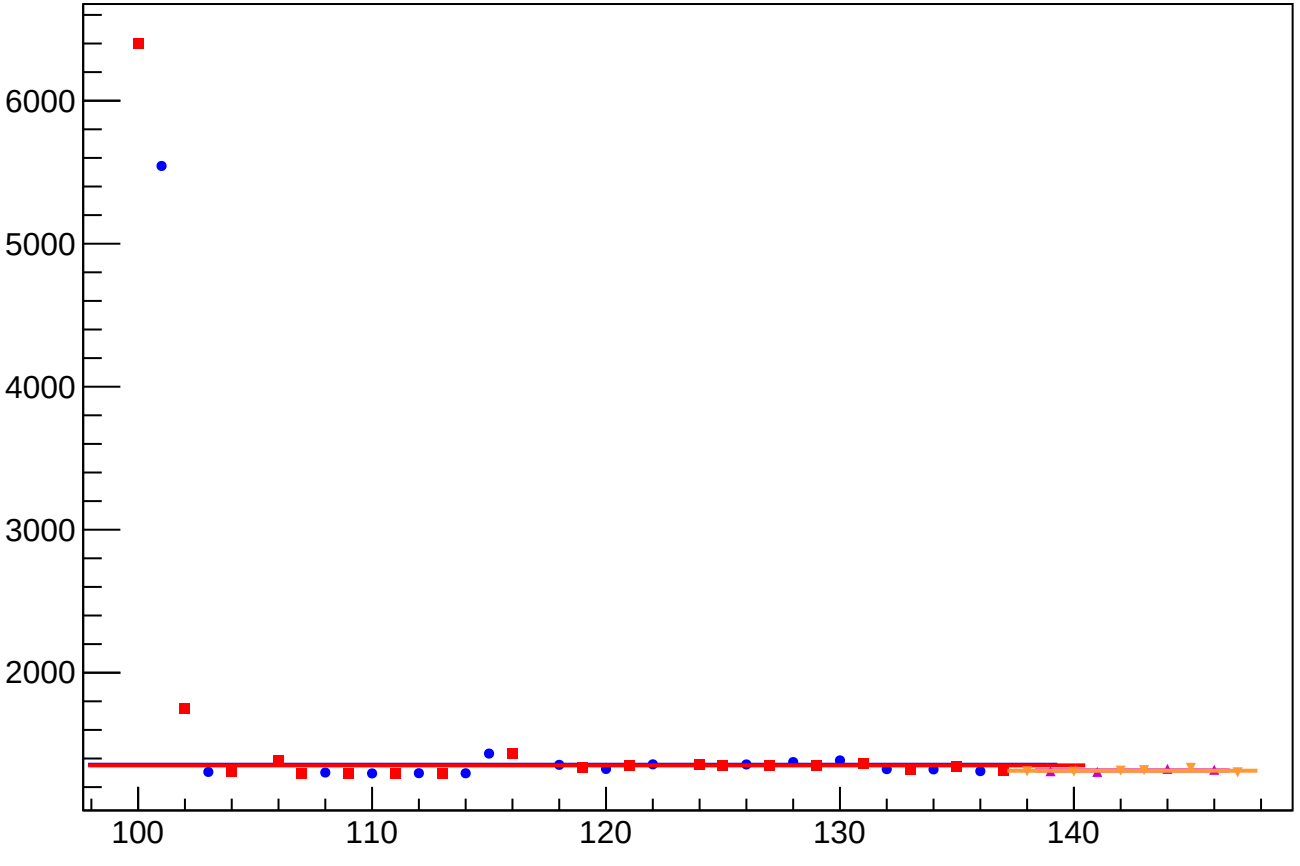
In: 679.351+/-0.156 χ^2/NDF:2382784.2/19

Out: 632.443+/-0.140 χ^2/NDF:3056299.8/24

All: 653.408+/-0.104 χ^2/NDF: 5489142.5/44


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
Right In: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -82.594+/-618.311 χ²/NDF:2.2/5
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -1630.756+/-700.429 χ²/NDF:1.8/3
Left: -760.644+/-463.539 χ²/NDF: 6.8/9
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: -329.438+/-416.371 χ²/NDF:28.6/19
Out: -99.263+/-390.052 χ²/NDF:12.2/24
All: -206.846+/-284.658 χ²/NDF: 41.0/44

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.675+/-0.437 χ^2/NDF:568.0/5

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

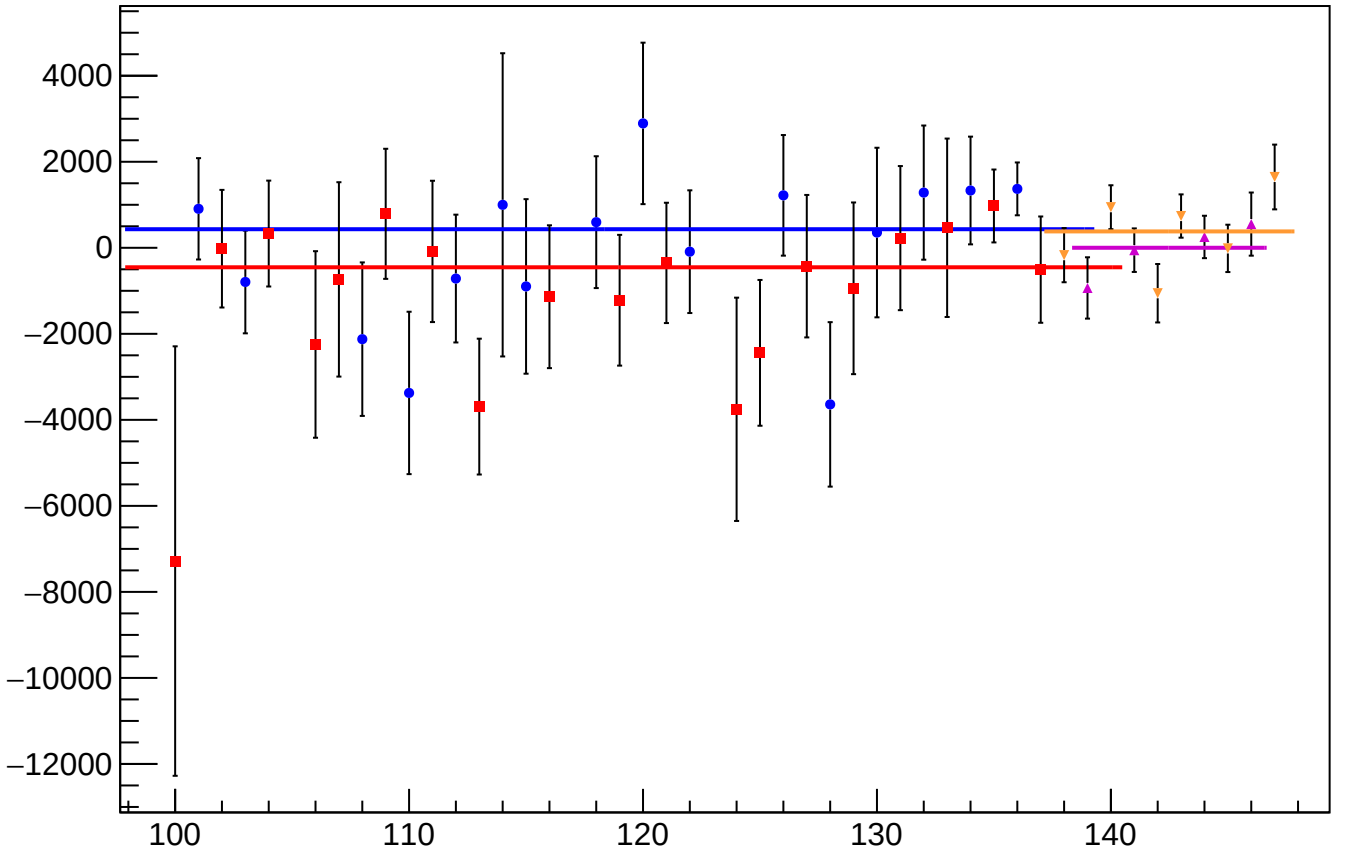
Left: 1315.588+/-0.328 χ^2/NDF: 857.9/9

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1342.390+/-0.294 χ^2/NDF:764687.1/19

Out: 1337.197+/-0.276 χ^2/NDF:152301.9/24

All: 1339.624+/-0.201 χ^2/NDF: 917154.6/44



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 380.879+/-238.753 χ^2/NDF:10.3/5

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 0.677+/-290.631 χ^2/NDF:2.6/3

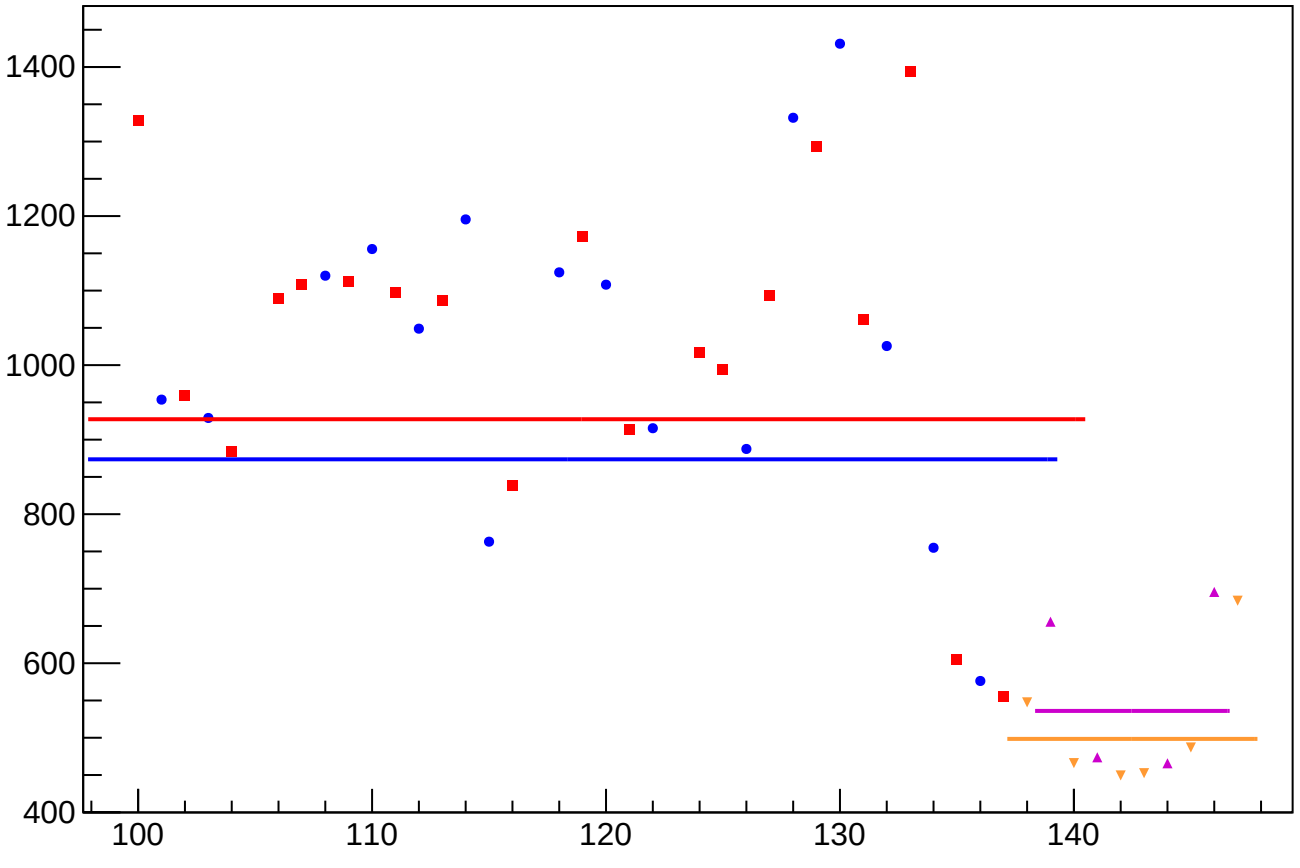
Left: 227.682+/-184.485 χ^2/NDF: 13.9/9

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 183.827+/-220.480 χ^2/NDF:21.7/19

Out: 121.763+/-198.220 χ^2/NDF:28.8/24

All: 149.505+/-147.406 χ^2/NDF: 50.6/44



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.473+/-0.169 χ^2/NDF:169588.6/5

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 536.007+/-0.206 χ^2/NDF:221833.0/3

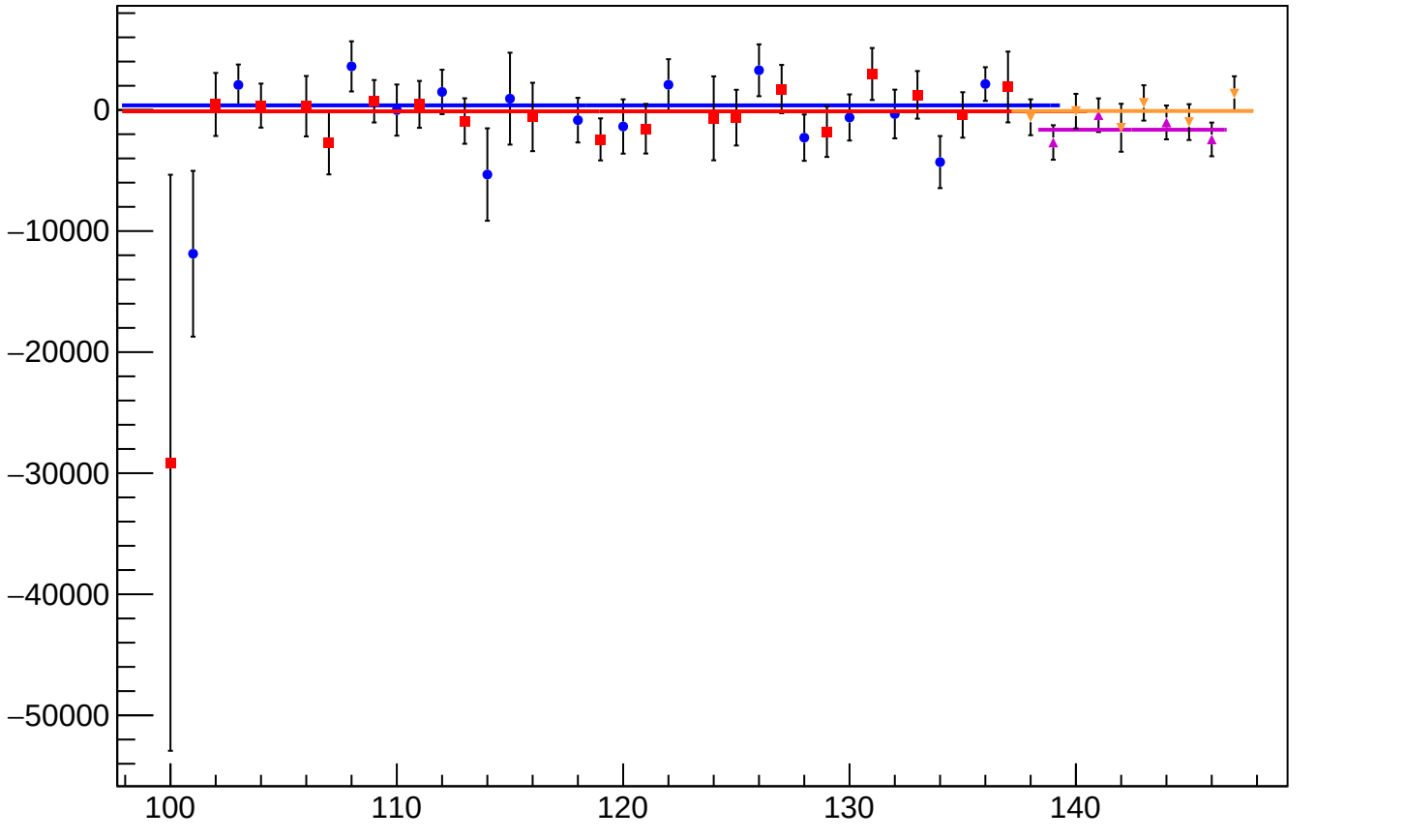
Left: 513.597+/-0.130 χ^2/NDF: 411337.8/9

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 679.315+/-0.156 χ^2/NDF:2381799.1/19

Out: 631.752+/-0.140 χ^2/NDF:3022753.5/24

All: 653.012+/-0.104 χ^2/NDF: 5456023.2/44



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -82.594+/-618.311 χ^2/NDF:2.2/5

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -1630.756+/-700.429 χ^2/NDF:1.8/3

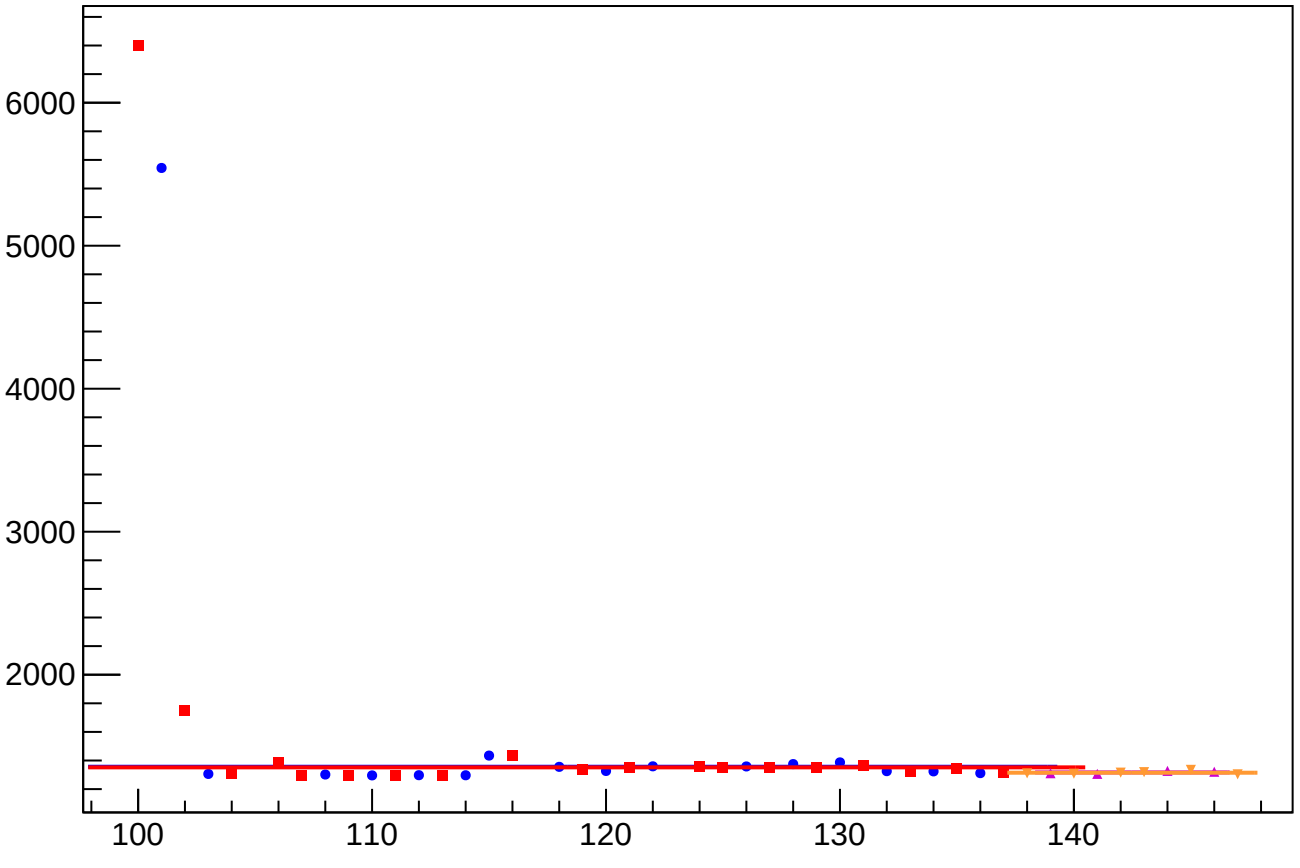
Left: -760.644+/-463.539 χ^2/NDF: 6.8/9

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -329.438+/-416.371 χ^2/NDF:28.6/19

Out: -99.263+/-390.052 χ^2/NDF:12.2/24

All: -206.846+/-284.658 χ^2/NDF: 41.0/44



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1314.675+/-0.437 χ^2/NDF:568.0/5

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1316.759+/-0.495 χ^2/NDF:279.9/3

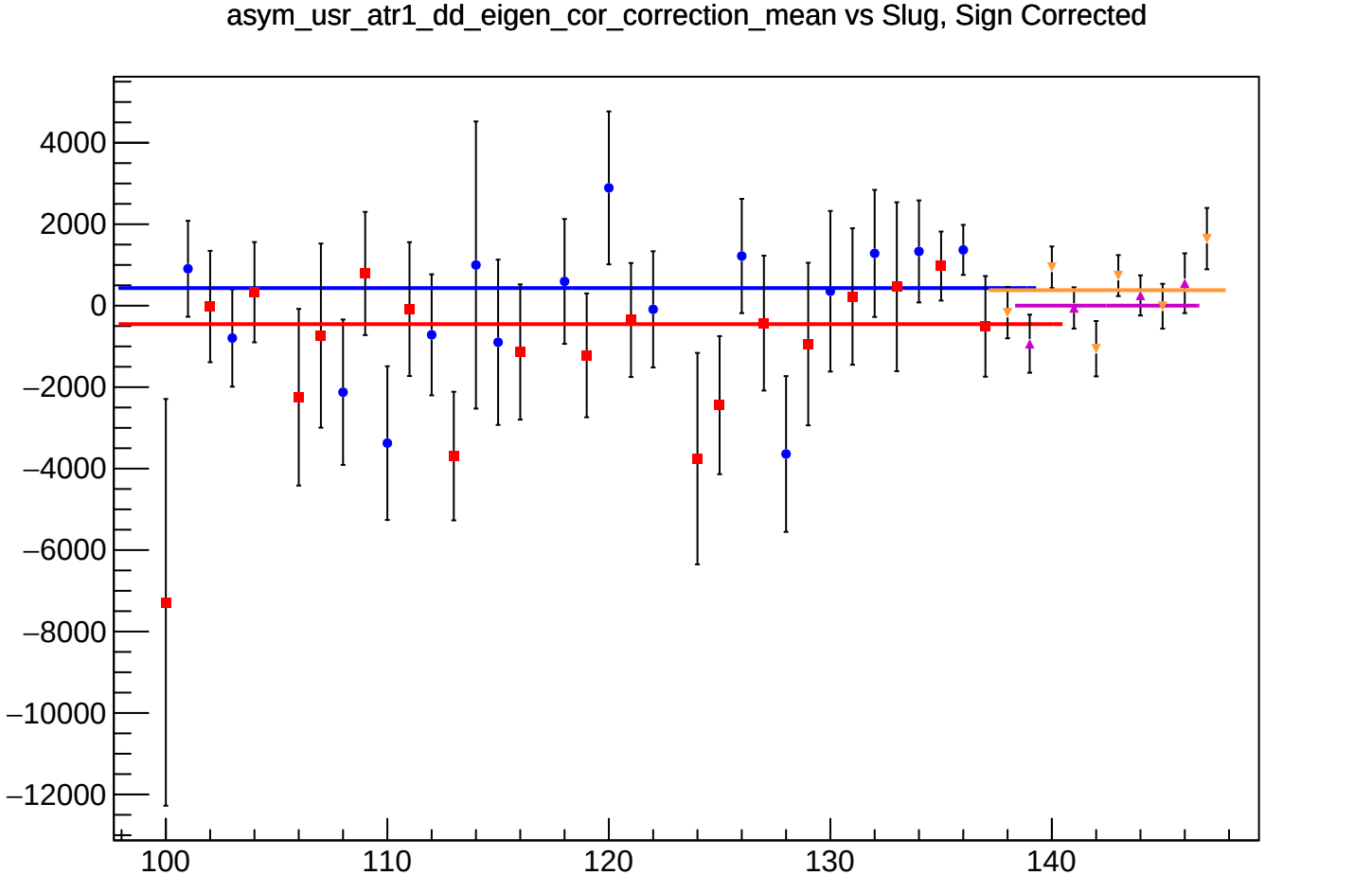
Left: 1315.588+/-0.328 χ^2/NDF: 857.9/9

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1342.390+/-0.294 χ^2/NDF:764687.1/19

Out: 1337.197+/-0.276 χ^2/NDF:152301.9/24

All: 1339.624+/-0.201 χ^2/NDF: 917154.6/44



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 380.879+/-238.753 χ^2/NDF:10.3/5

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 0.677+/-290.631 χ^2/NDF:2.6/3

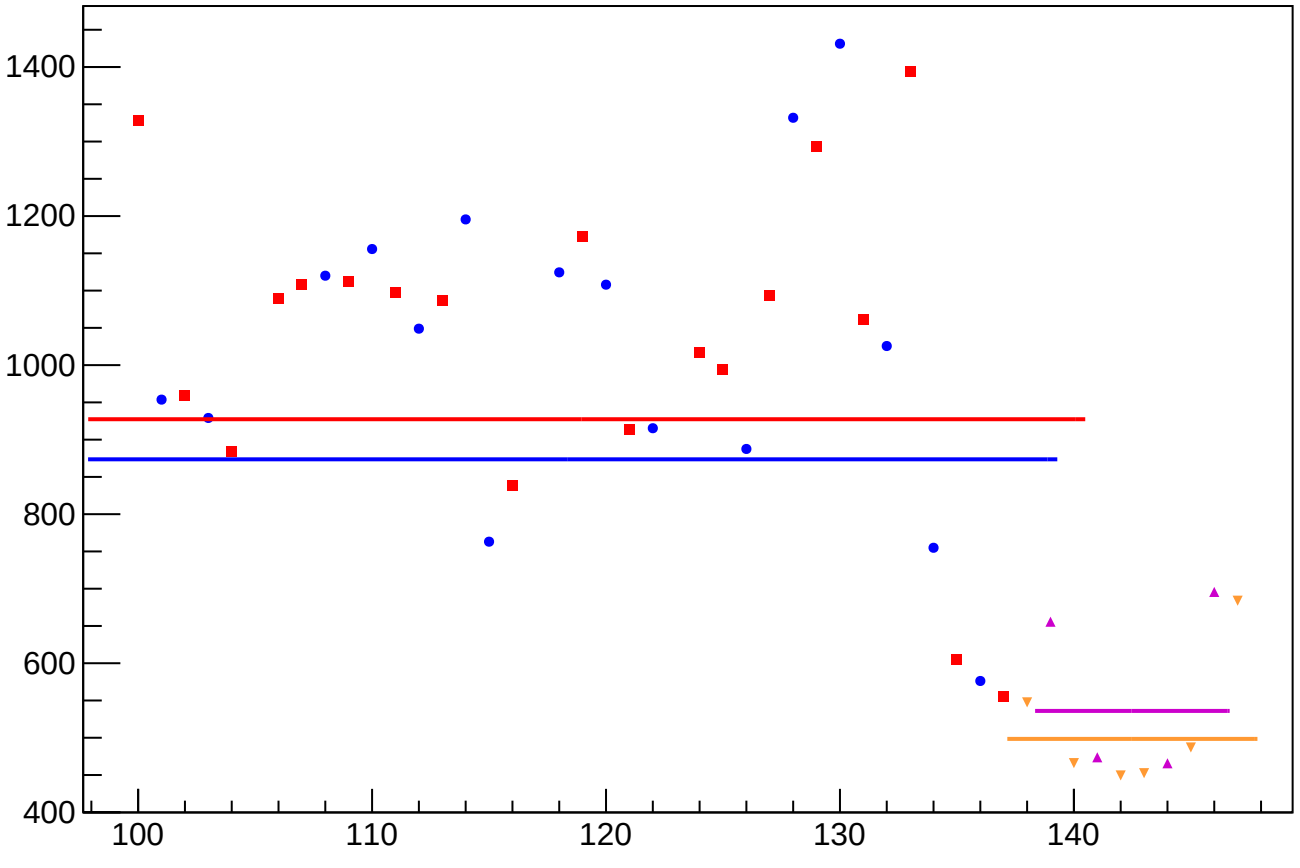
Left: 227.682+/-184.485 χ^2/NDF: 13.9/9

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 183.827+/-220.480 χ^2/NDF:21.7/19

Out: 121.763+/-198.220 χ^2/NDF:28.8/24

All: 149.505+/-147.406 χ^2/NDF: 50.6/44



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 498.473+/-0.169 χ^2/NDF:169588.6/5

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 536.007+/-0.206 χ^2/NDF:221833.0/3

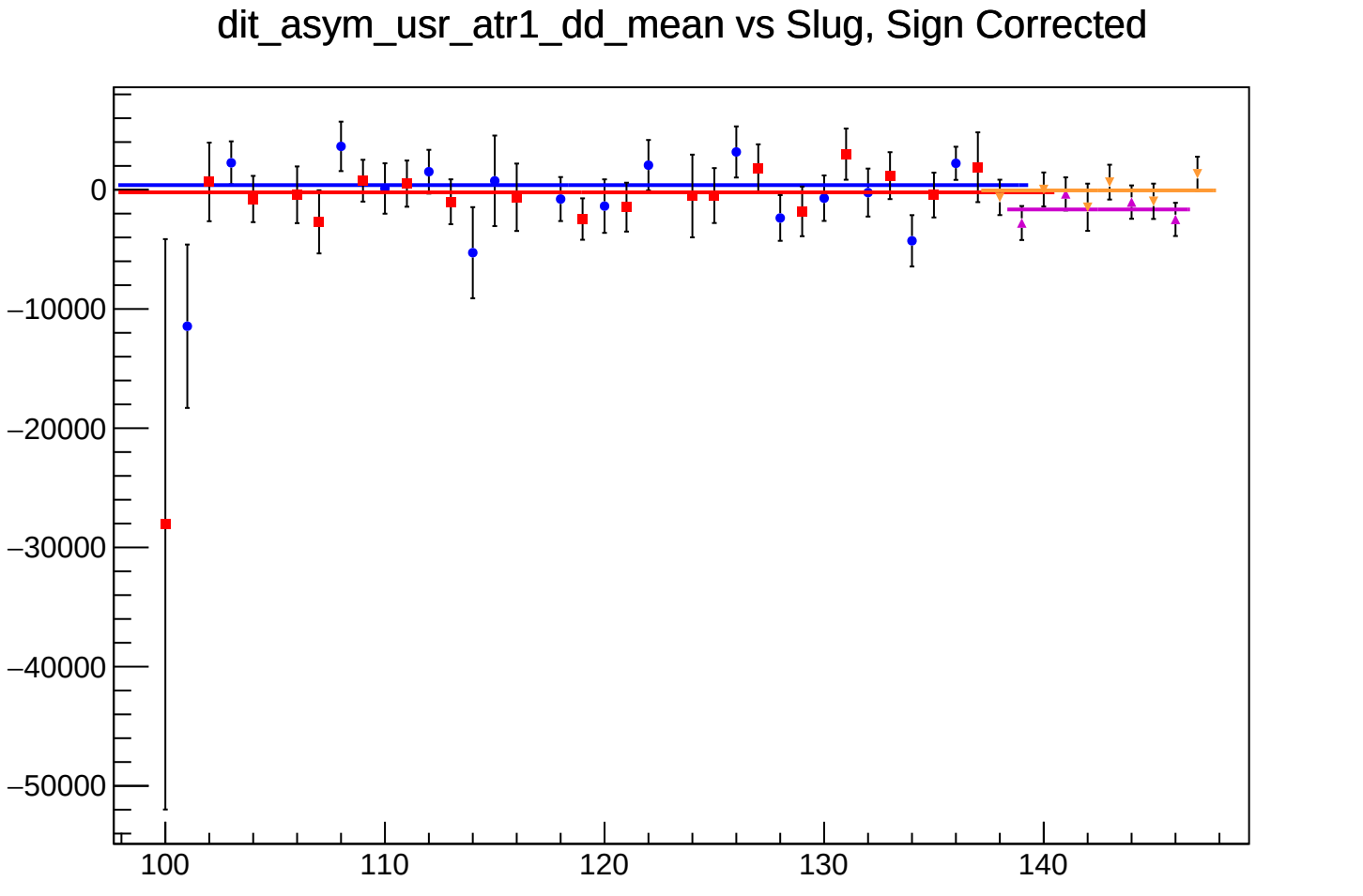
Left: 513.597+/-0.130 χ^2/NDF: 411337.8/9

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 679.315+/-0.156 χ^2/NDF:2381799.1/19

Out: 631.752+/-0.140 χ^2/NDF:3022753.5/24

All: 653.012+/-0.104 χ^2/NDF: 5456023.2/44



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -54.289+/-618.723 χ^2/NDF:2.2/5

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -1652.508+/-700.881 χ^2/NDF:2.1/3

Left: -754.278+/-463.844 χ^2/NDF: 7.2/9

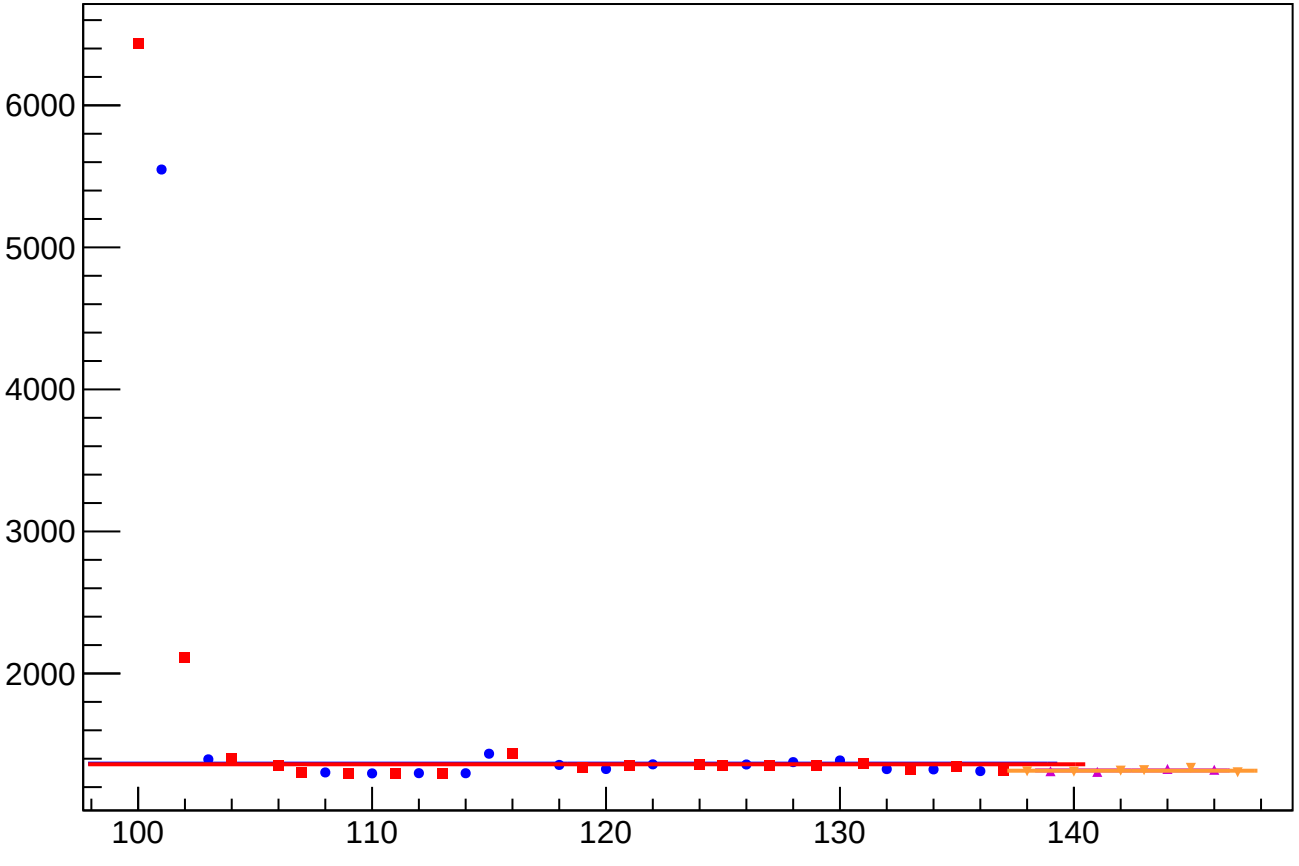
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -337.260+/-418.213 χ^2/NDF:28.9/19

Out: -152.199+/-392.585 χ^2/NDF:12.2/24

All: -238.886+/-286.231 χ^2/NDF: 41.3/44

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.552+/-0.438 χ^2/NDF:557.2/5

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1317.608+/-0.496 χ^2/NDF:275.1/3

Left: 1316.452+/-0.328 χ^2/NDF: 842.0/9

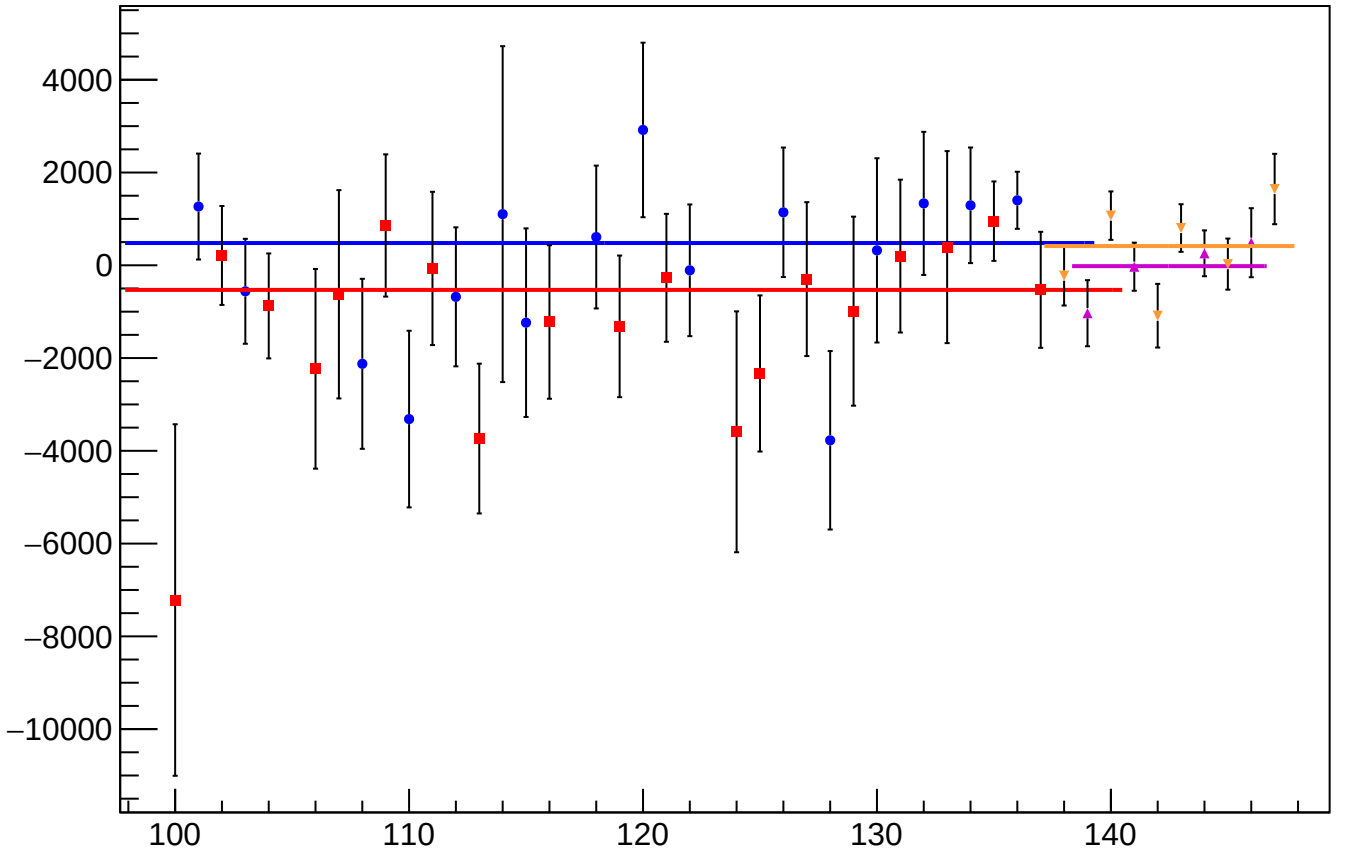
Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1348.321+/-0.296 χ^2/NDF:765183.8/19

Out: 1342.566+/-0.278 χ^2/NDF:212254.1/24

All: 1345.261+/-0.202 χ^2/NDF: 977639.2/44

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 415.041+/-242.257 χ^2/NDF:11.1/5

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -18.352+/-293.799 χ^2/NDF:2.8/3

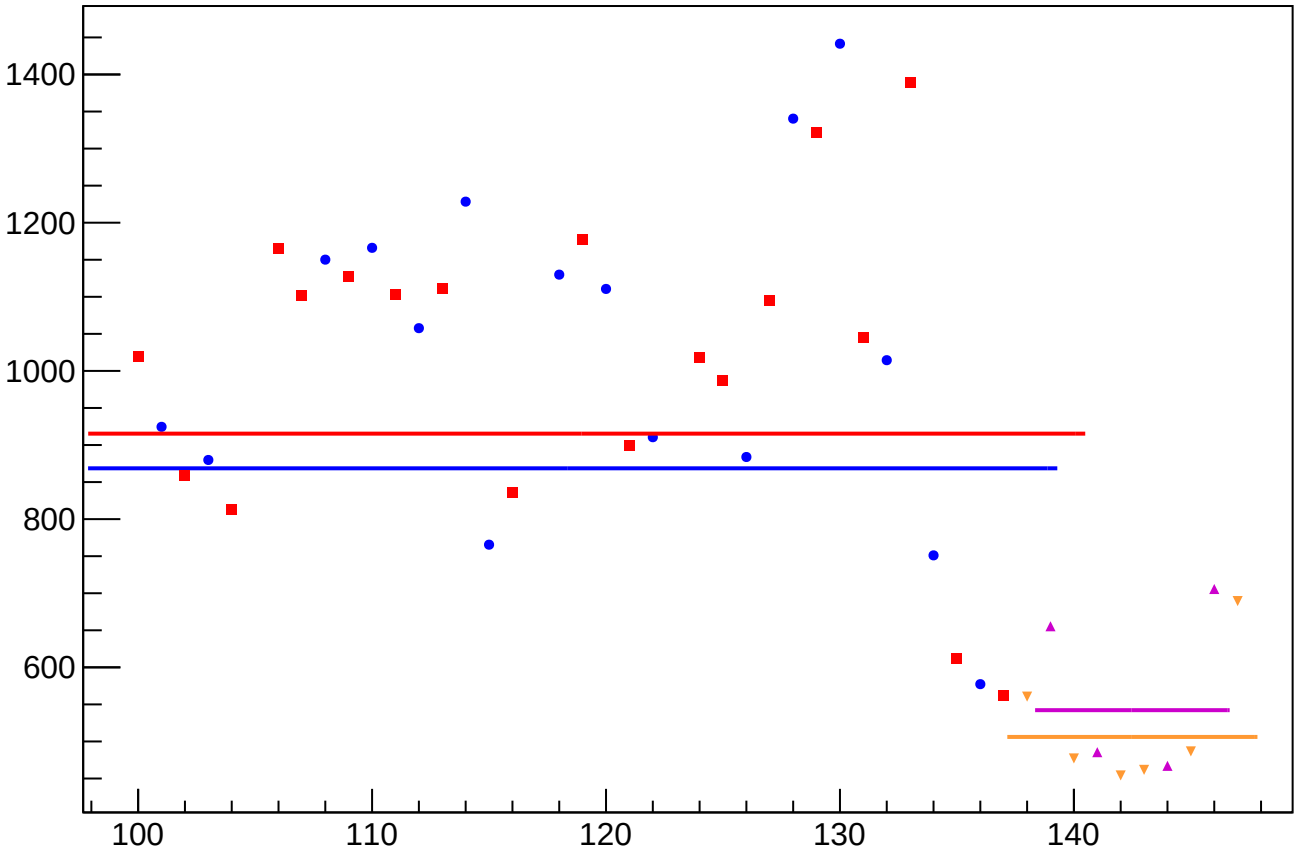
Left: 239.634+/-186.910 χ^2/NDF: 15.1/9

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 197.375+/-221.320 χ^2/NDF:22.7/19

Out: 104.109+/-198.469 χ^2/NDF:31.7/24

All: 145.680+/-147.759 χ^2/NDF: 54.4/44



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 506.106+/-0.171 χ^2/NDF:166184.2/5

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 542.224+/-0.208 χ^2/NDF:217042.9/3

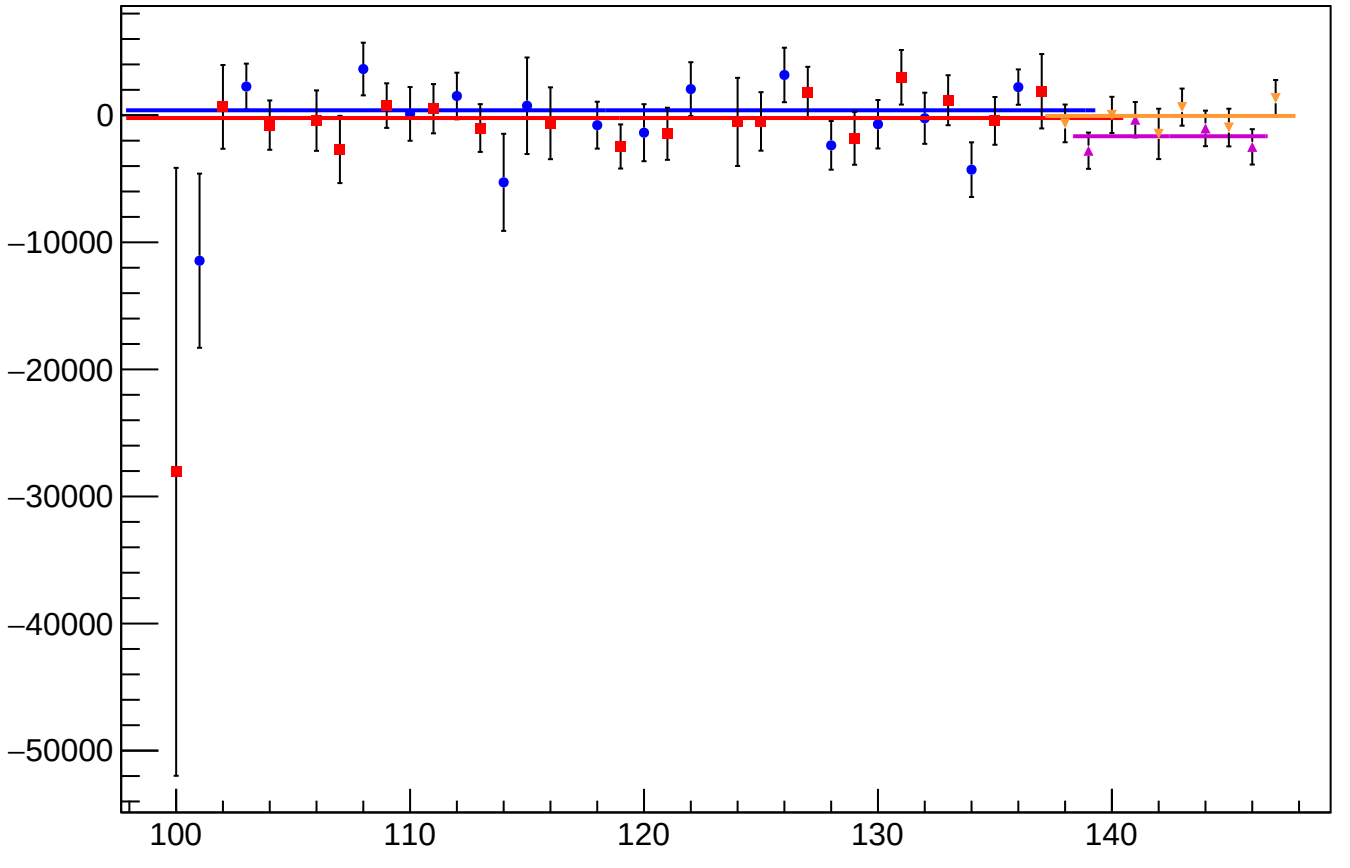
Left: 520.724+/-0.132 χ^2/NDF: 401219.4/9

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 683.380+/-0.156 χ^2/NDF:2305740.6/19

Out: 640.680+/-0.140 χ^2/NDF:2901959.3/24

All: 659.713+/-0.104 χ^2/NDF: 5248962.5/44



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -54.289+/-618.723 χ^2/NDF:2.2/5

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -1652.509+/-700.881 χ^2/NDF:2.1/3

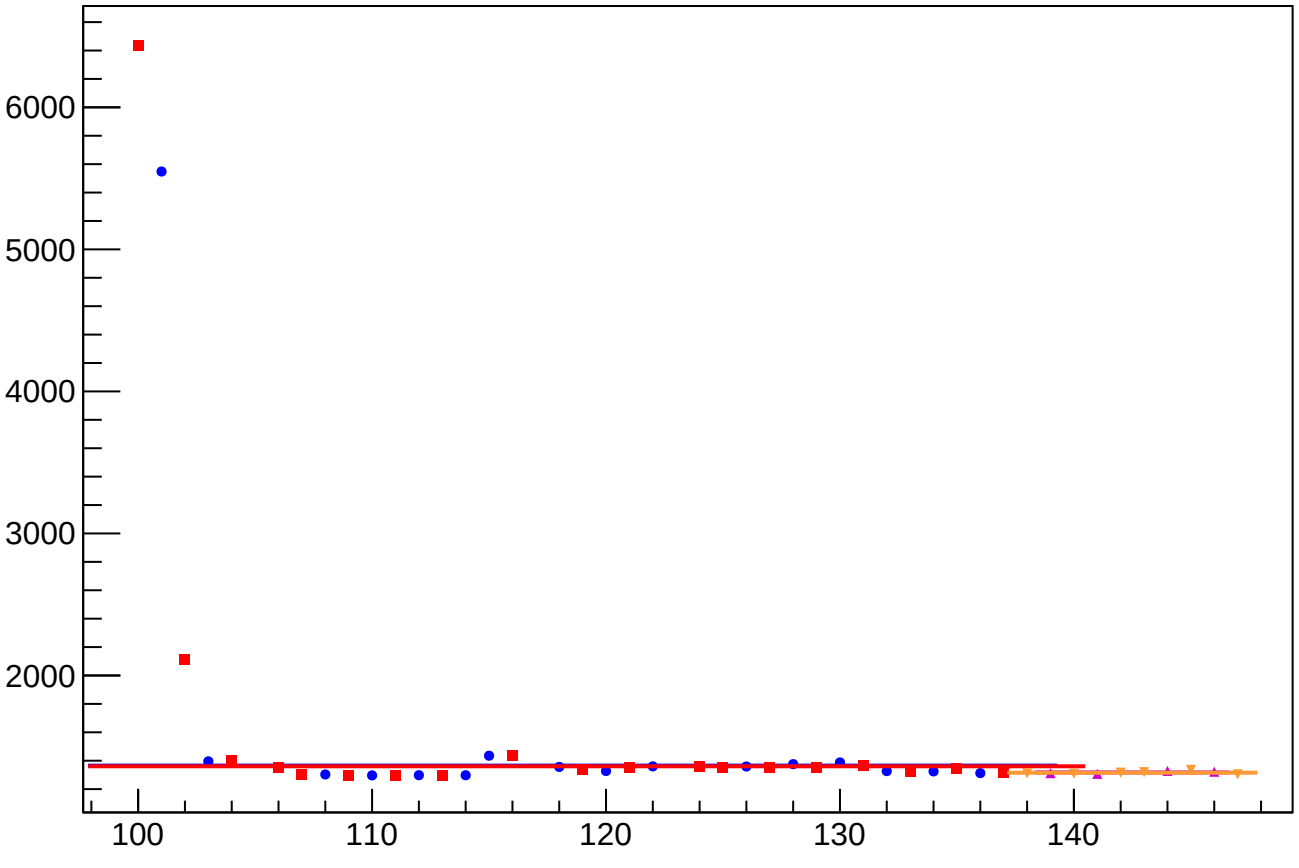
Left: -754.279+/-463.844 χ^2/NDF: 7.2/9

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -337.261+/-418.213 χ^2/NDF:28.9/19

Out: -152.198+/-392.585 χ^2/NDF:12.2/24

All: -238.886+/-286.231 χ^2/NDF: 41.3/44



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1315.552+/-0.438 χ^2/NDF:557.2/5

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1317.608+/-0.496 χ^2/NDF:275.1/3

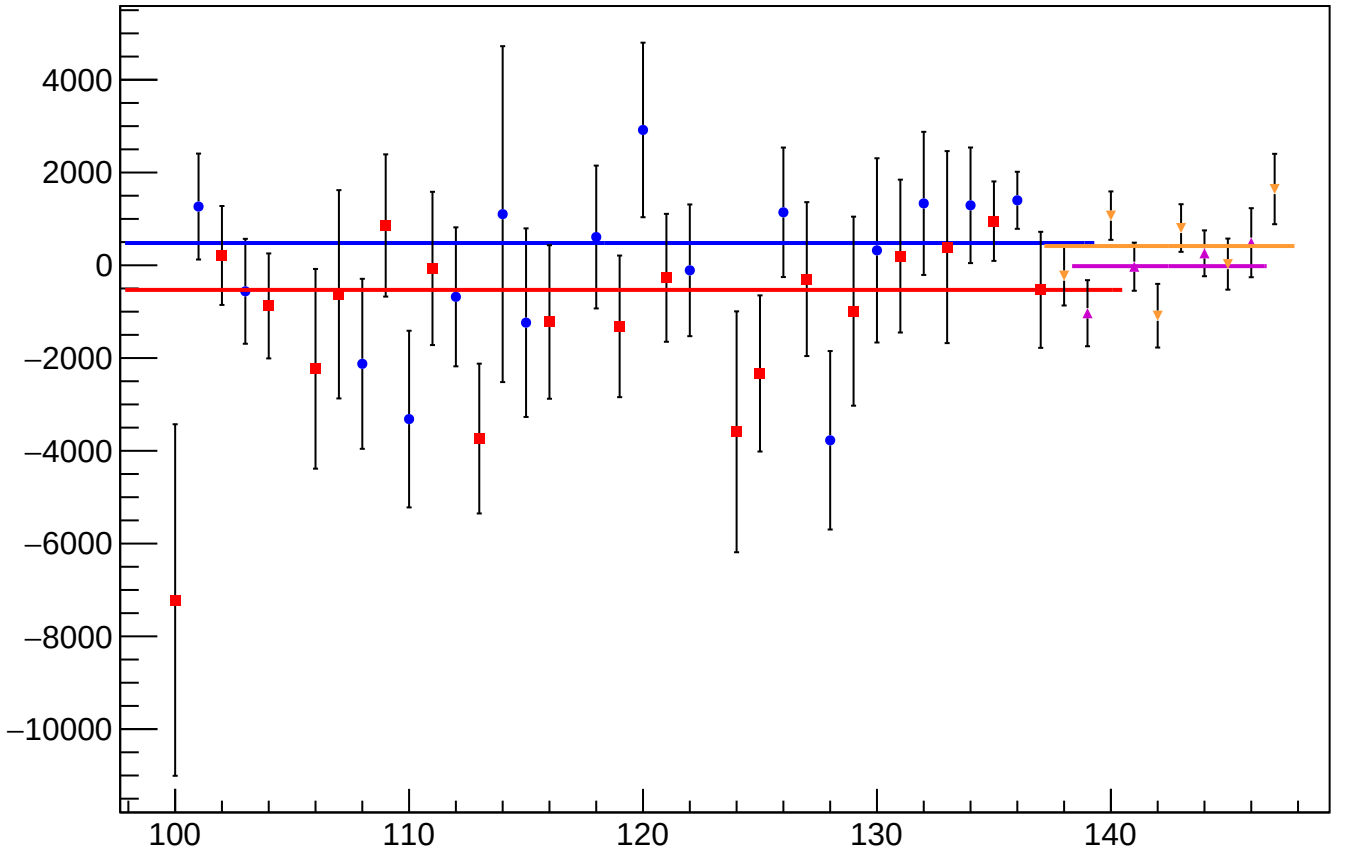
Left: 1316.452+/-0.328 χ^2/NDF: 842.0/9

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1348.321+/-0.296 χ^2/NDF:765183.7/19

Out: 1342.566+/-0.278 χ^2/NDF:212254.1/24

All: 1345.261+/-0.202 χ^2/NDF: 977639.1/44



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 415.043+/-242.256 χ^2/NDF:11.1/5

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -18.352+/-293.799 χ^2/NDF:2.8/3

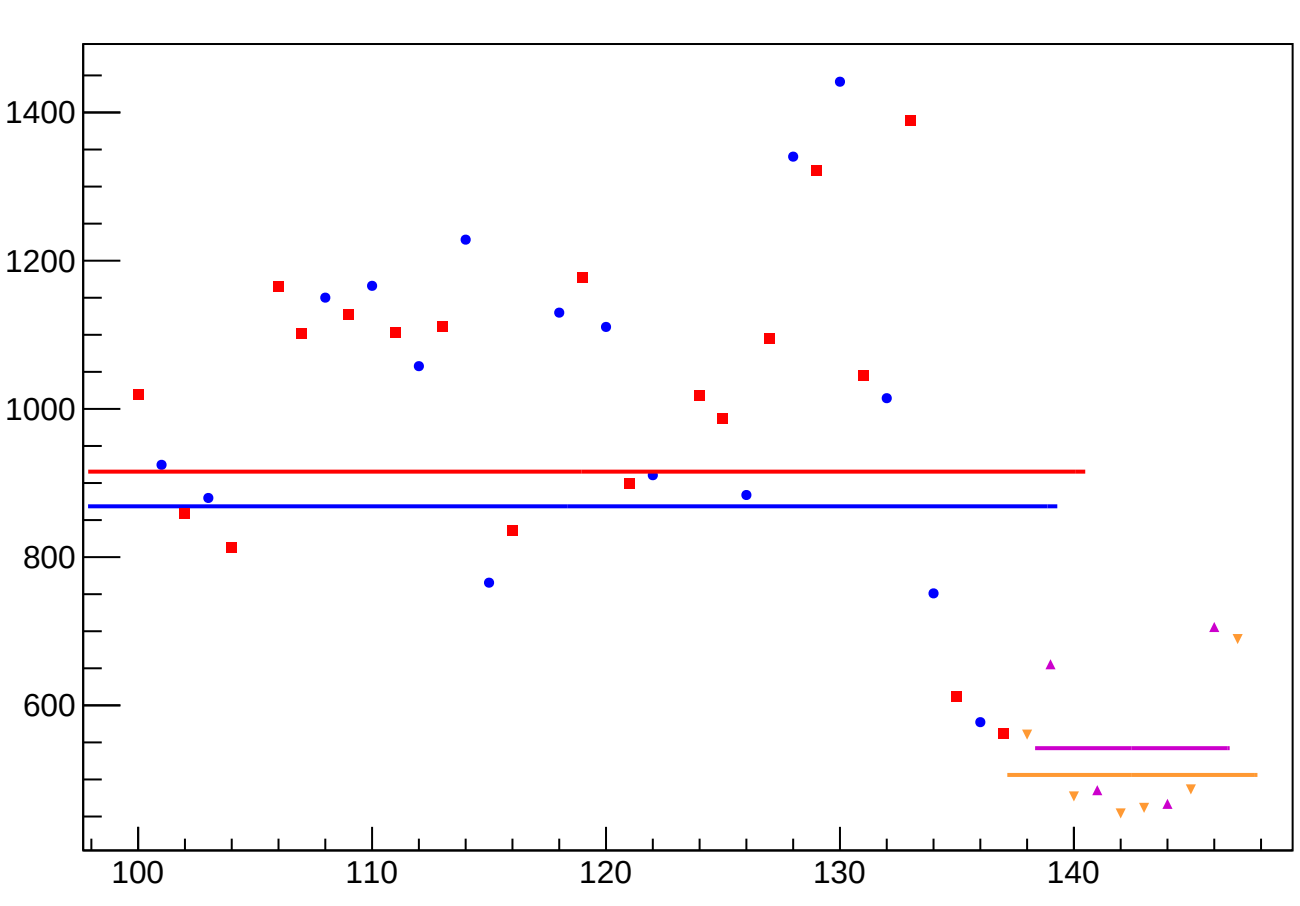
Left: 239.635+/-186.910 χ^2/NDF: 15.1/9

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 197.375+/-221.320 χ^2/NDF:22.7/19

Out: 104.111+/-198.469 χ^2/NDF:31.7/24

All: 145.681+/-147.759 χ^2/NDF: 54.4/44



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 506.106+/-0.171 χ^2/NDF:166185.7/5

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 542.224+/-0.208 χ^2/NDF:217044.5/3

Left: 520.724+/-0.132 χ^2/NDF: 401223.5/9

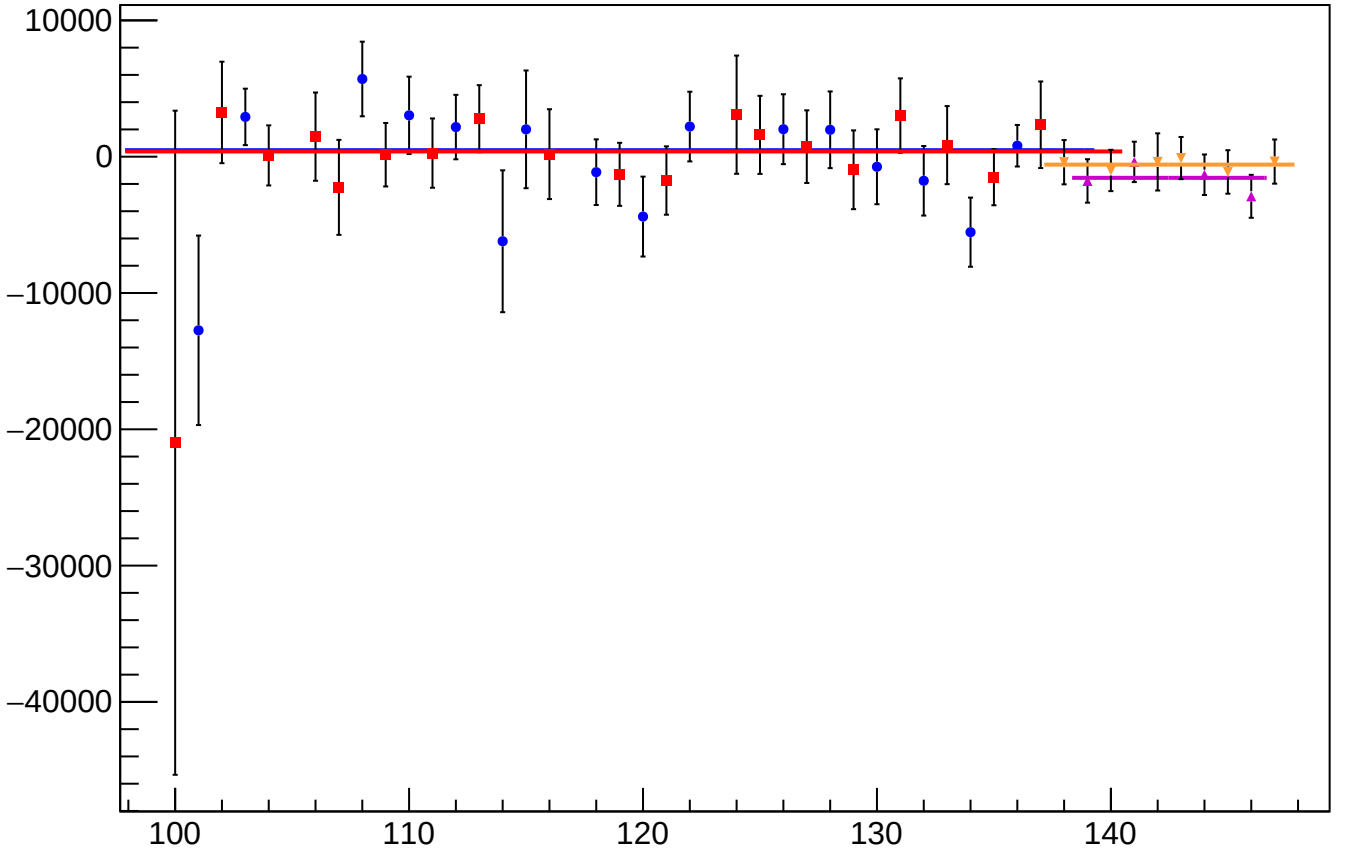
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 683.380+/-0.156 χ^2/NDF:2305724.5/19

Out: 640.680+/-0.140 χ^2/NDF:2901954.2/24

All: 659.712+/-0.104 χ^2/NDF: 5248942.4/44

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -581.388+/-669.155 χ^2/NDF:0.3/5

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -1551.866+/-765.886 χ^2/NDF:1.4/3

Left: -1001.506+/-503.915 χ^2/NDF: 2.6/9

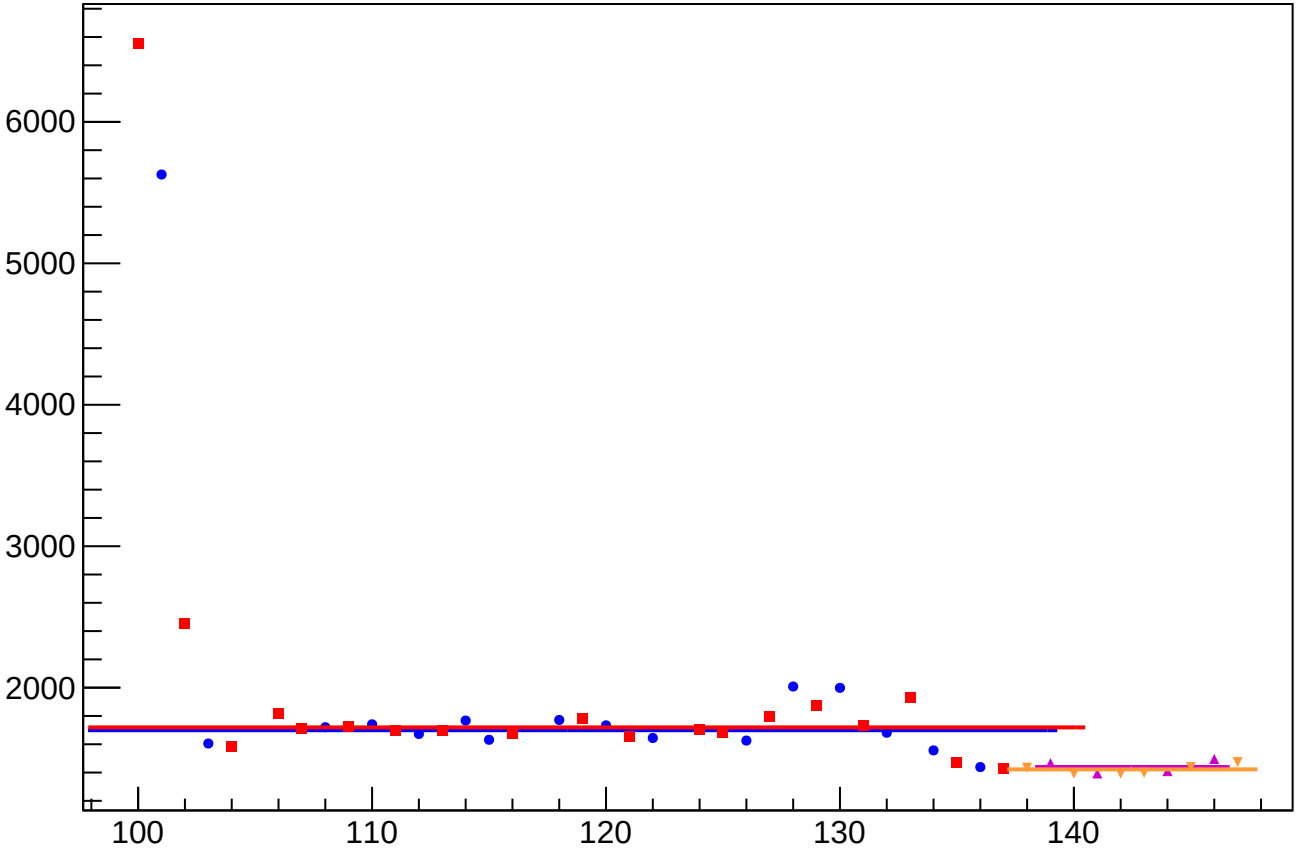
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -373.370+/-495.245 χ^2/NDF:28.2/19

Out: -78.295+/-463.263 χ^2/NDF:8.7/24

All: -215.998+/-338.318 χ^2/NDF: 37.0/44

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1422.314+/-0.473 χ^2/NDF:3994.8/5

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1439.158+/-0.542 χ^2/NDF:5875.5/3

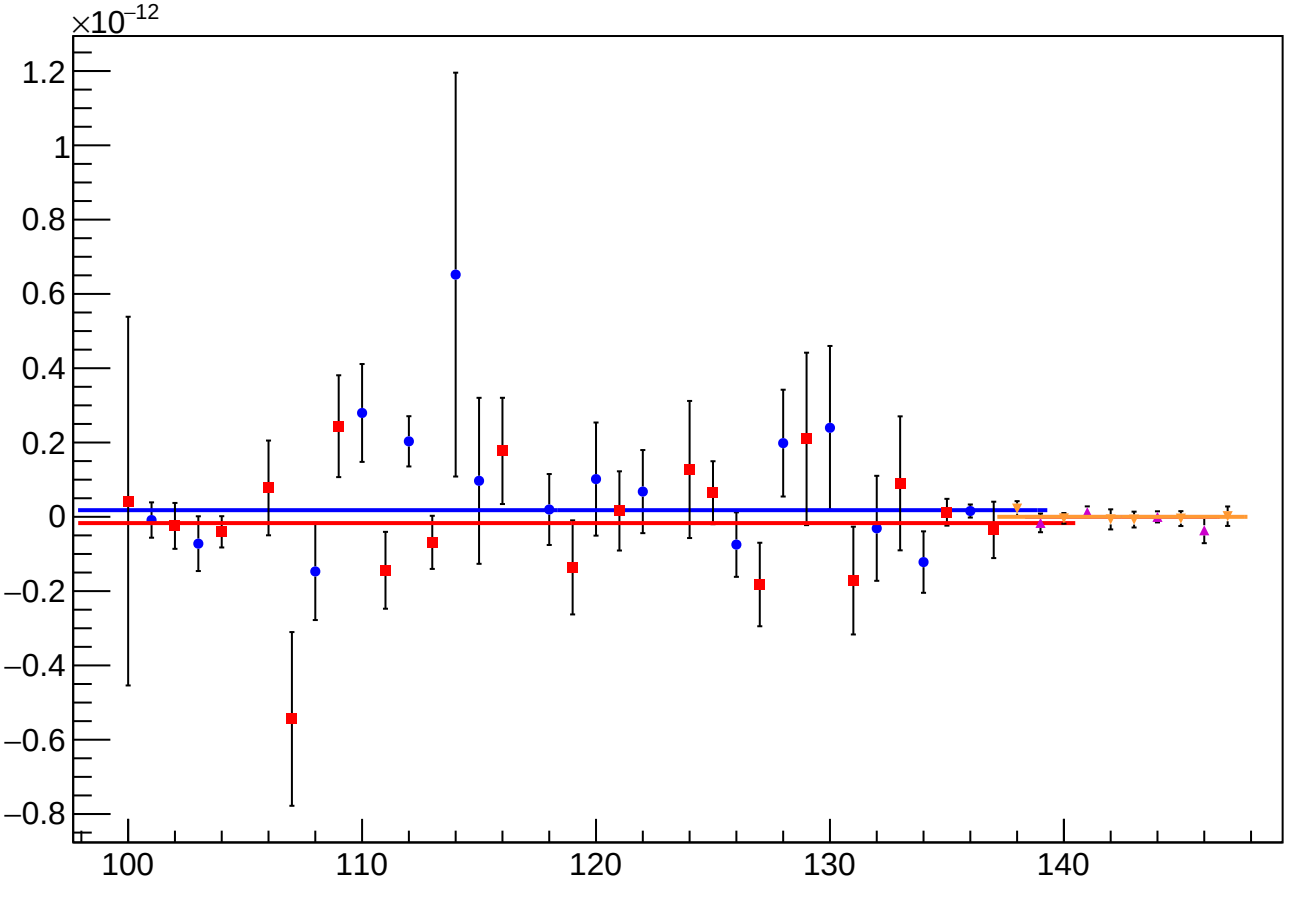
Left: 1429.606+/-0.356 χ^2/NDF: 10418.9/9

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1590.544+/-0.350 χ^2/NDF:902264.4/19

Out: 1576.854+/-0.328 χ^2/NDF:442610.1/24

All: 1583.243+/-0.239 χ^2/NDF: 1345689.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/3

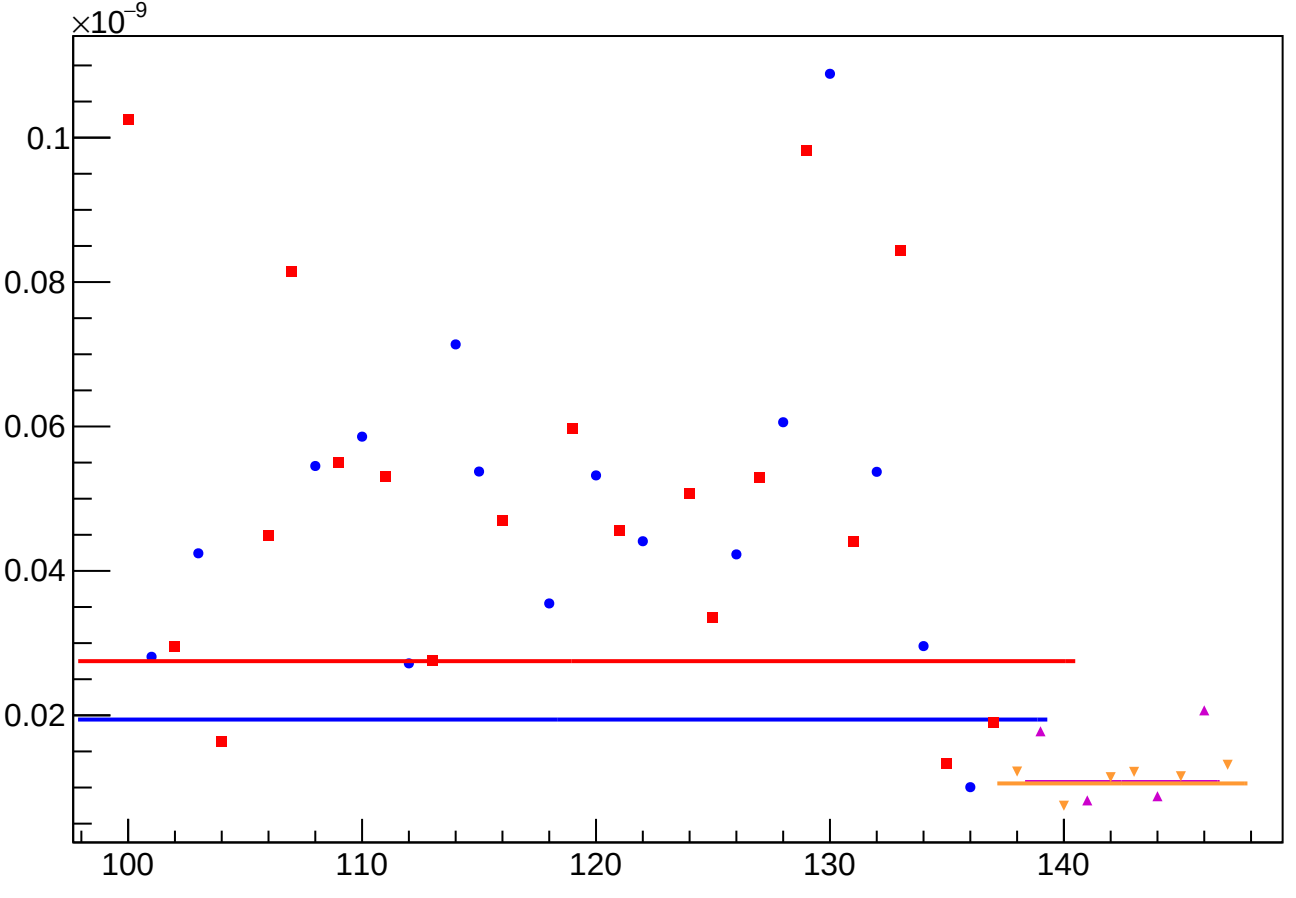
Left: -0.000+/-0.000 χ^2/NDF: 3.7/9

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:26.9/19

Out: -0.000+/-0.000 χ^2/NDF:23.5/24

All: 0.000+/-0.000 χ^2/NDF: 50.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:143671.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:408212.6/3

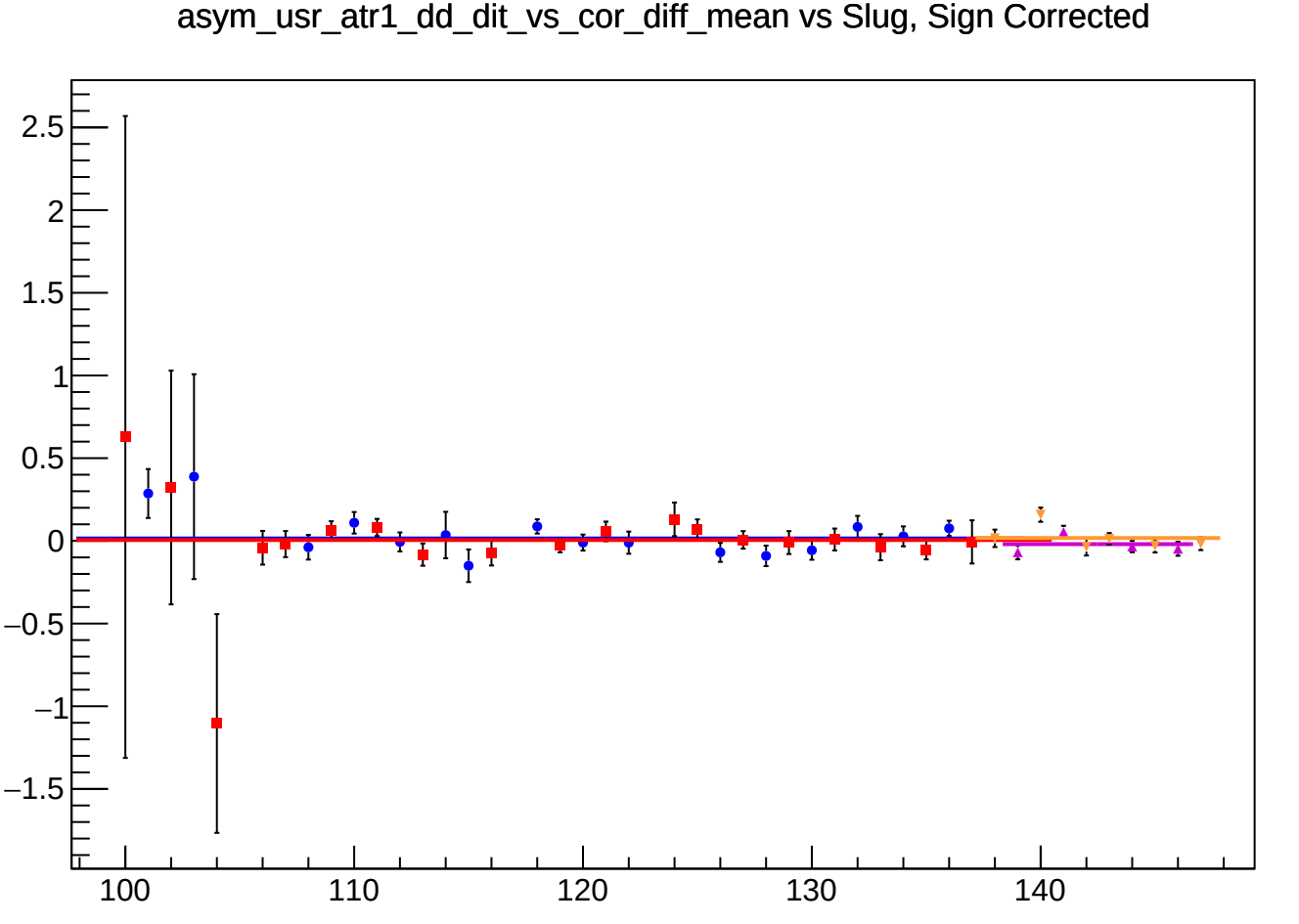
Left: 0.000+/-0.000 χ^2/NDF: 552382.5/9

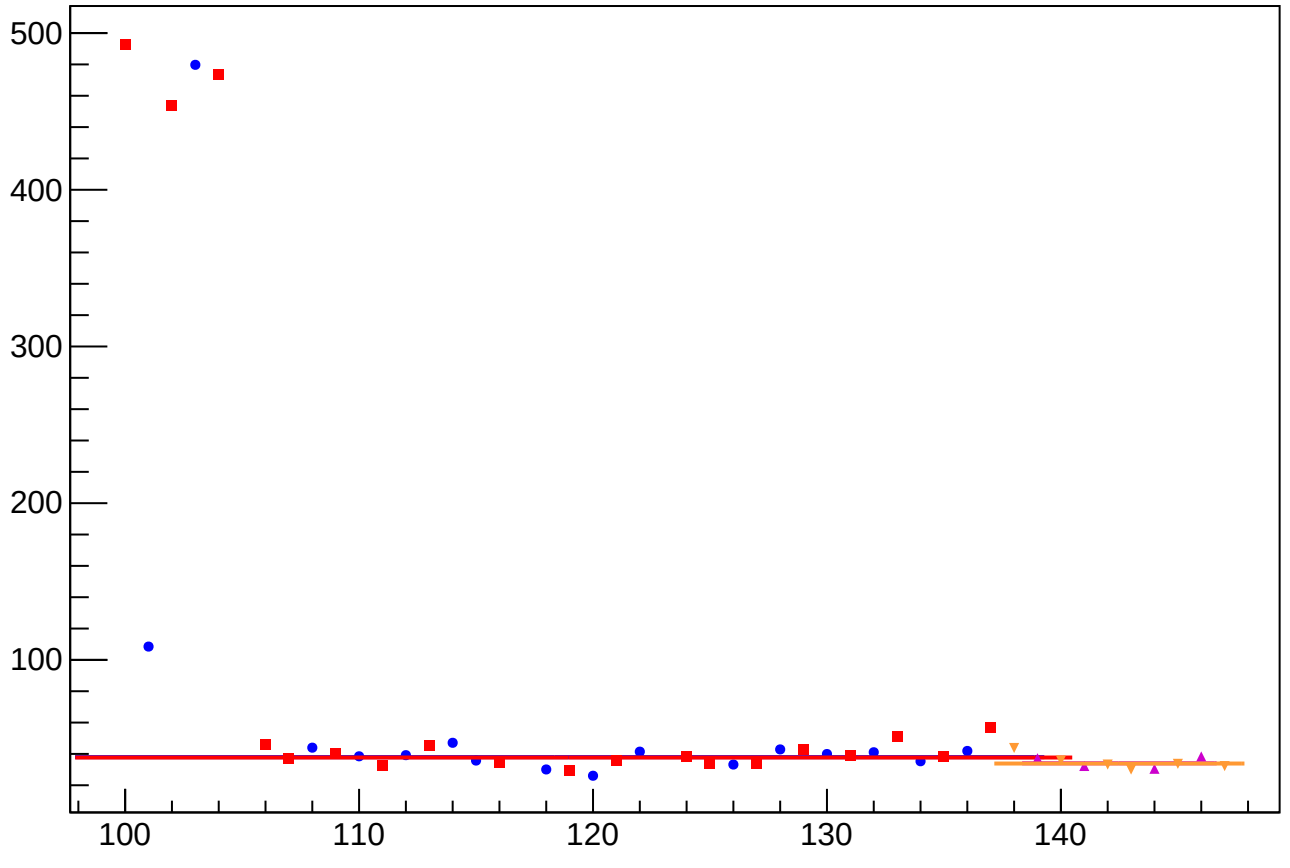
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3186085.4/19

Out: 0.000+/-0.000 χ^2/NDF:3120301.8/24

All: 0.000+/-0.000 χ^2/NDF: 6307047.1/44


asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.017+/-0.017 χ²/NDF:14.0/5
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: -0.020+/-0.019 χ²/NDF:5.9/3
Left: 0.001+/-0.013 χ²/NDF: 21.9/9
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: 0.001+/-0.012 χ²/NDF:29.8/19
Out: 0.011+/-0.012 χ²/NDF:29.1/24
All: 0.006+/-0.008 χ²/NDF: 59.3/44



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 33.860+/-0.012 χ^2/NDF:103093.5/5

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.019+/-0.014 χ^2/NDF:57181.8/3

Left: 33.930+/-0.009 χ^2/NDF: 160350.3/9

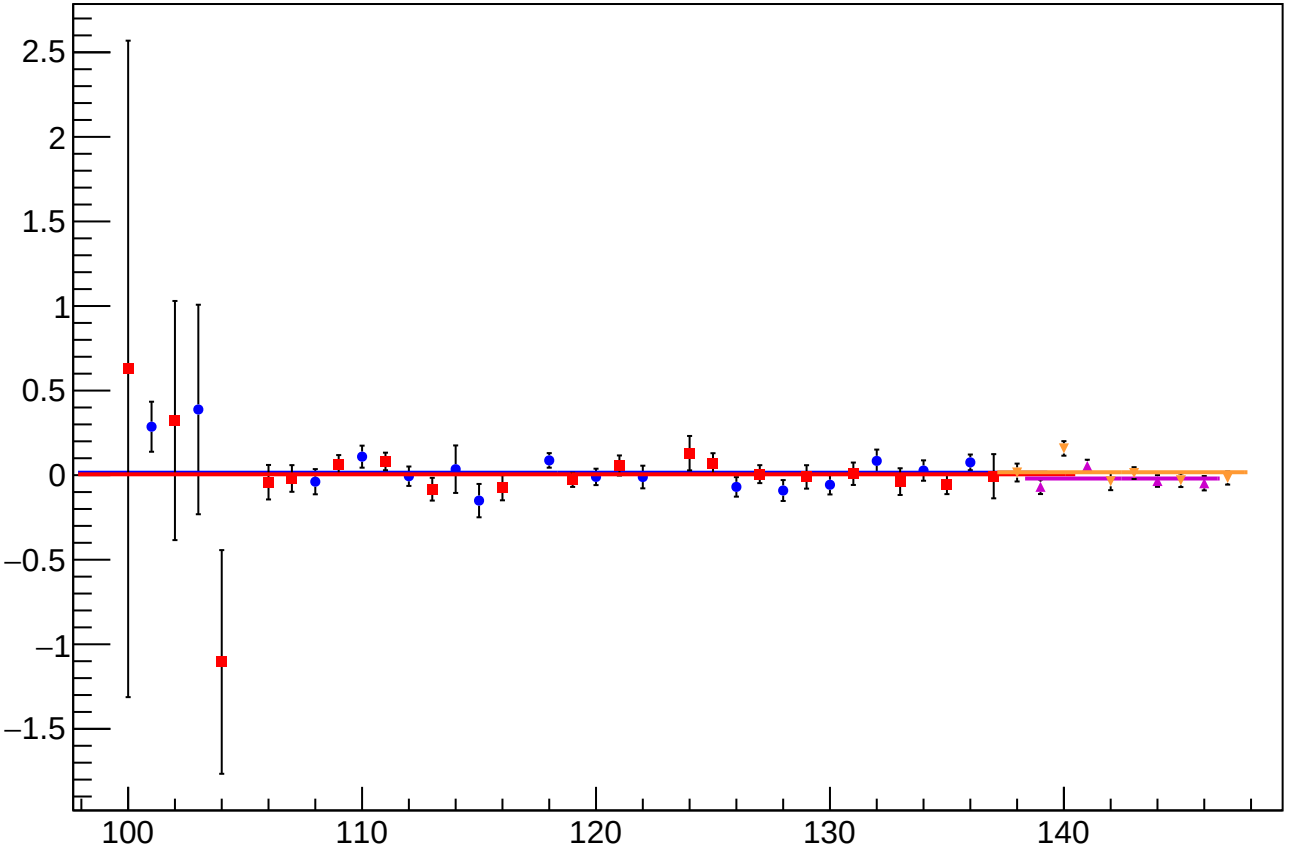
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.360+/-0.009 χ^2/NDF:1845772.3/19

Out: 35.915+/-0.008 χ^2/NDF:2101021.0/24

All: 36.127+/-0.006 χ^2/NDF: 3948161.8/44

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: 0.017+/-0.017 χ^2/NDF:14.0/5

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.020+/-0.019 χ^2/NDF:5.9/3

Left: 0.001+/-0.013 χ^2/NDF: 21.9/9

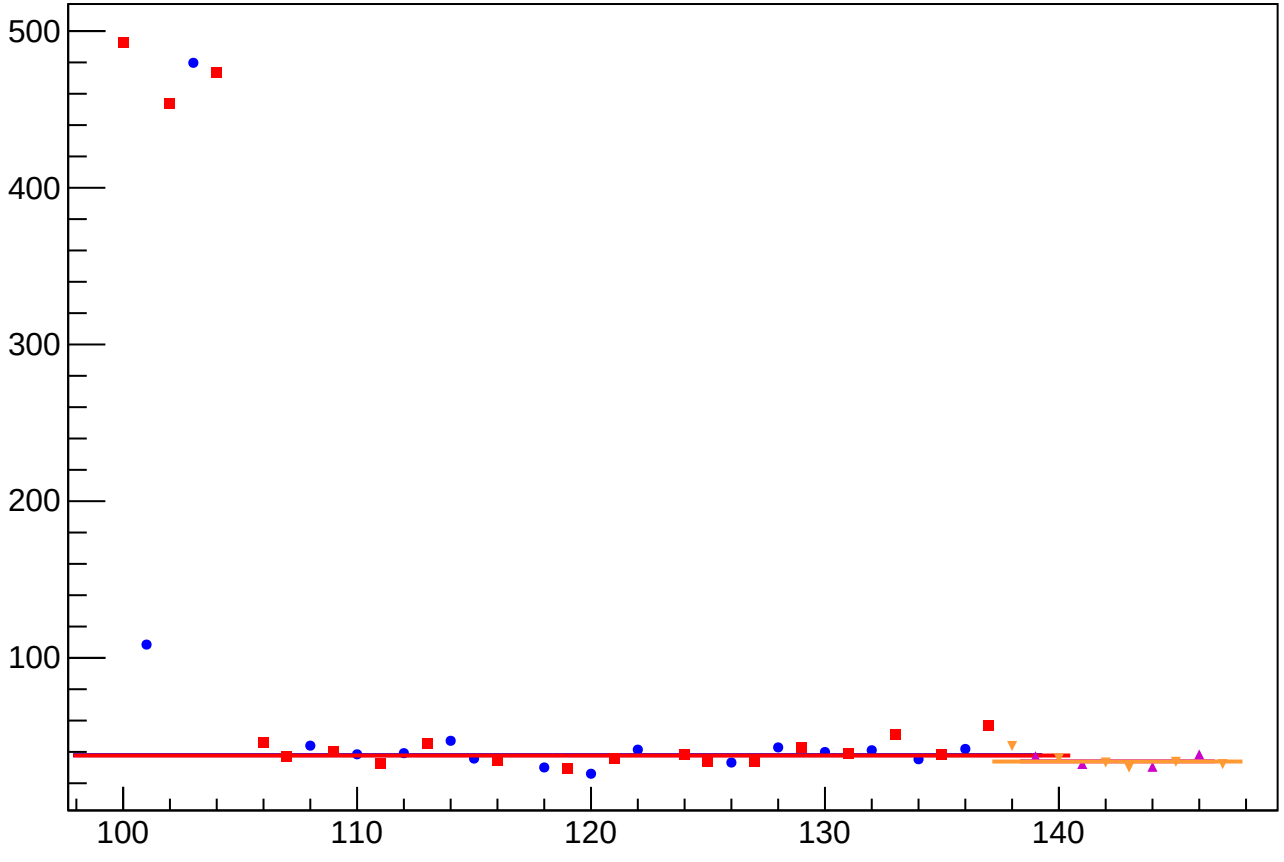
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.001+/-0.012 χ^2/NDF:29.8/19

Out: 0.011+/-0.012 χ^2/NDF:29.1/24

All: 0.006+/-0.008 χ^2/NDF: 59.3/44

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: 33.860+/-0.012 χ^2/NDF:103093.5/5

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.019+/-0.014 χ^2/NDF:57181.8/3

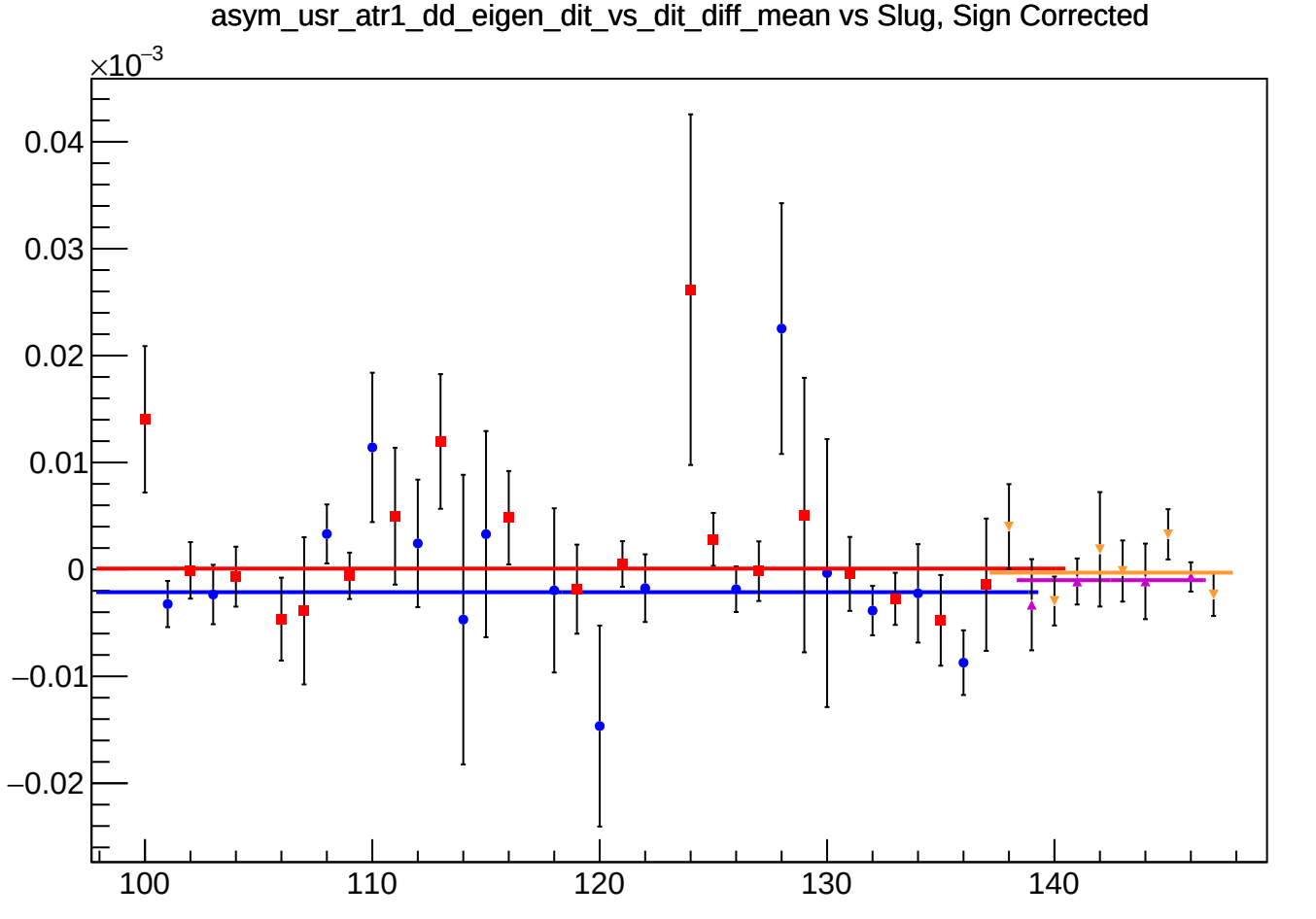
Left: 33.930+/-0.009 χ^2/NDF: 160350.3/9

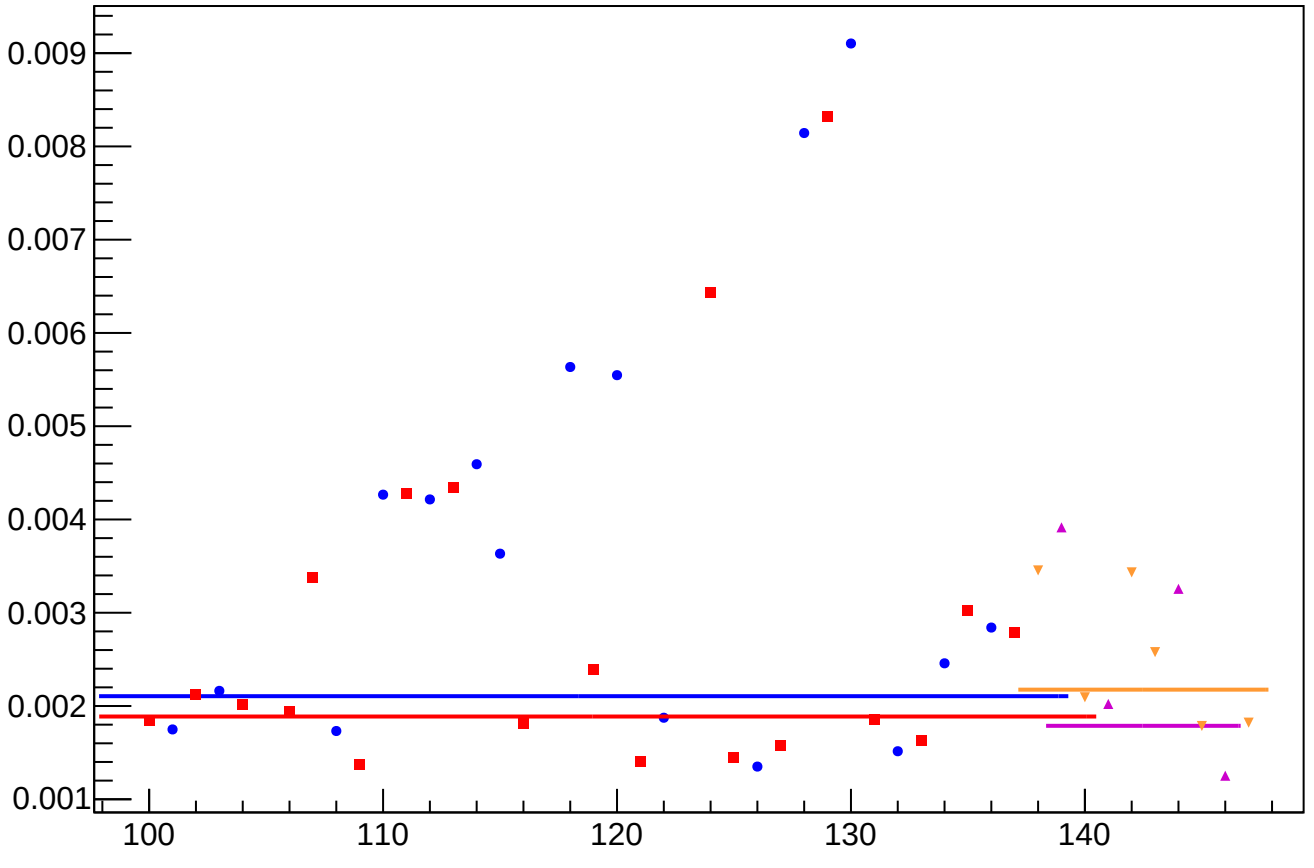
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.360+/-0.009 χ^2/NDF:1845772.3/19

Out: 35.915+/-0.008 χ^2/NDF:2101021.0/24

All: 36.127+/-0.006 χ^2/NDF: 3948161.8/44


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 20.4/15
Left Out: -0.000+/-0.000 χ²/NDF:6.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 18.4/18
Left In: -0.000+/-0.000 χ²/NDF:0.3/3
Left: -0.000+/-0.000 χ²/NDF: 6.6/9
Right: -0.000+/-0.000 χ²/NDF: 42.2/34
In: -0.000+/-0.000 χ²/NDF:21.4/19
Out: -0.000+/-0.000 χ²/NDF:24.5/24
All: -0.000+/-0.000 χ²/NDF: 48.9/44



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:477371.6/5

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1174127.7/3

Left: 0.002+/-0.000 χ^2/NDF: 1781253.7/9

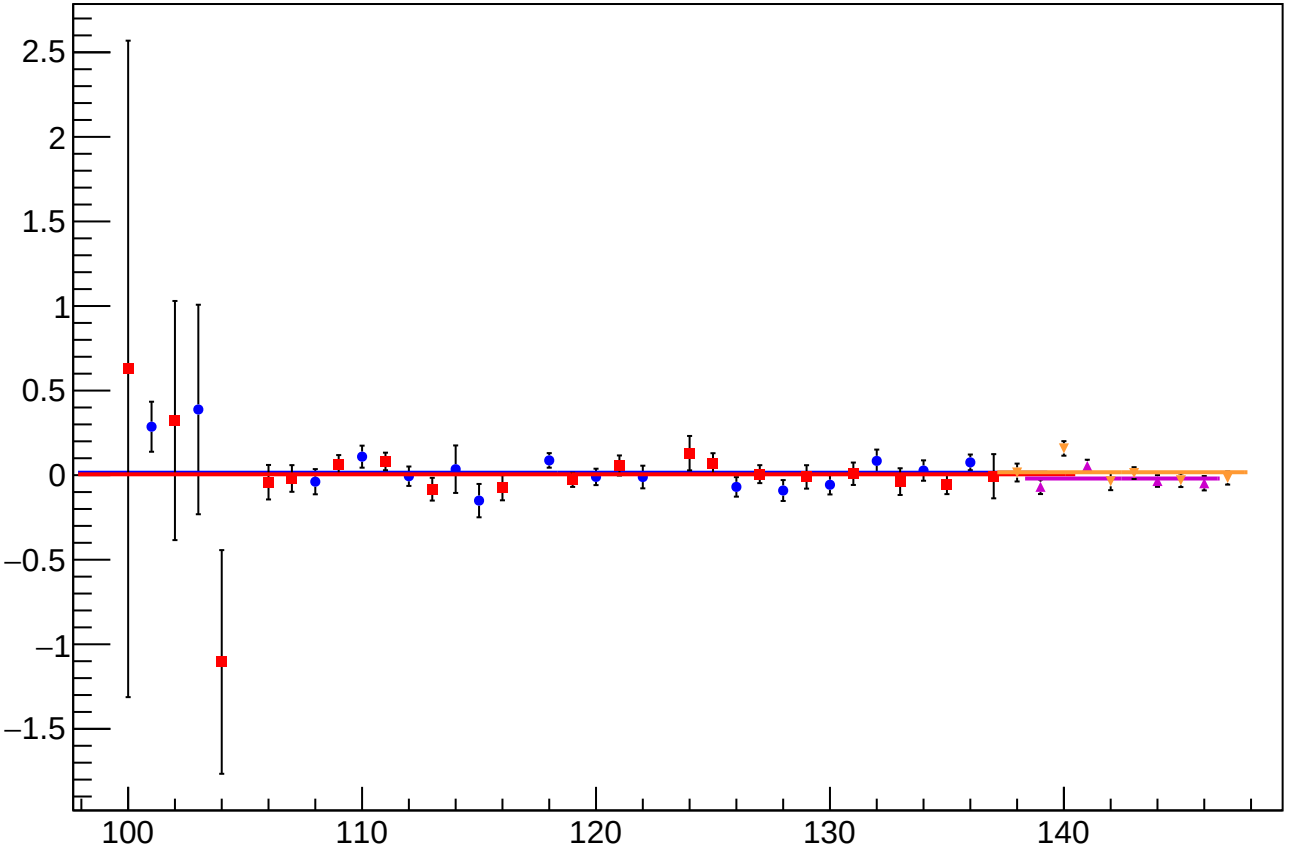
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:4296161.4/19

Out: 0.002+/-0.000 χ^2/NDF:2461056.7/24

All: 0.002+/-0.000 χ^2/NDF: 6757601.5/44

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.017 χ^2/NDF:14.0/5

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.020+/-0.019 χ^2/NDF:5.9/3

Left: 0.001+/-0.013 χ^2/NDF: 21.9/9

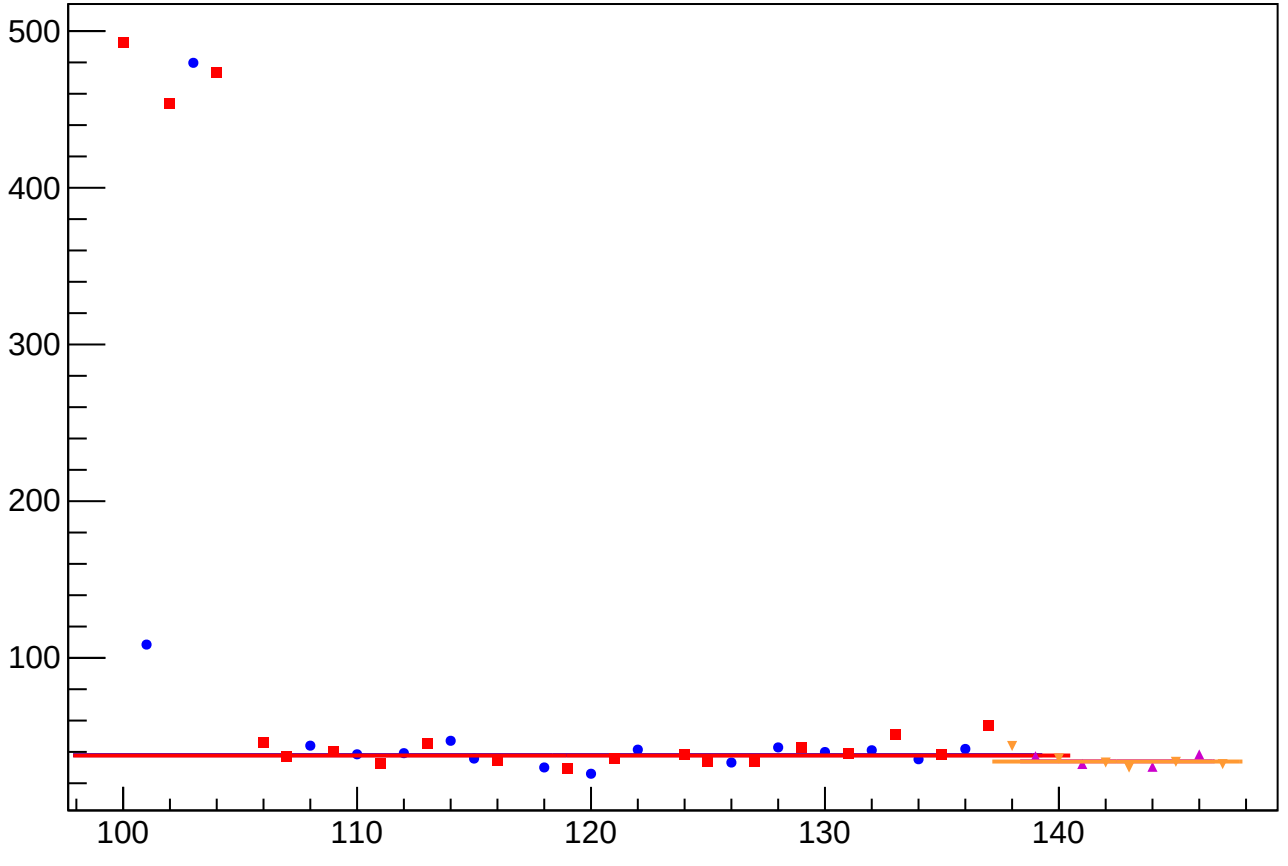
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.001+/-0.012 χ^2/NDF:29.8/19

Out: 0.011+/-0.012 χ^2/NDF:29.1/24

All: 0.006+/-0.008 χ^2/NDF: 59.3/44

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: 33.860+/-0.012 χ^2/NDF:103123.0/5

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.018+/-0.014 χ^2/NDF:57184.8/3

Left: 33.930+/-0.009 χ^2/NDF: 160382.6/9

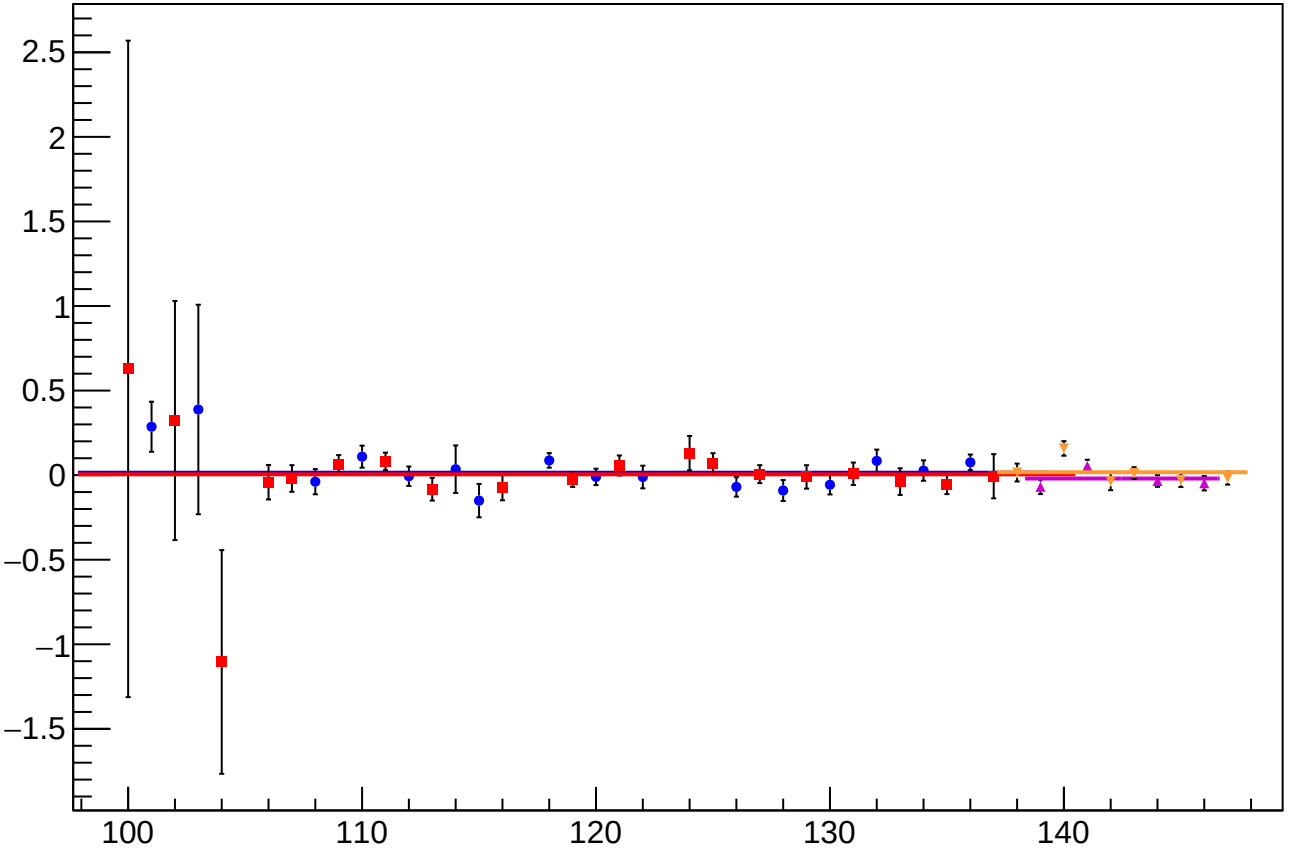
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.360+/-0.009 χ^2/NDF:1845786.0/19

Out: 35.914+/-0.008 χ^2/NDF:2101104.3/24

All: 36.127+/-0.006 χ^2/NDF: 3948260.6/44

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: 0.017+/-0.017 χ^2/NDF:14.0/5

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.020+/-0.019 χ^2/NDF:5.9/3

Left: 0.001+/-0.013 χ^2/NDF: 21.9/9

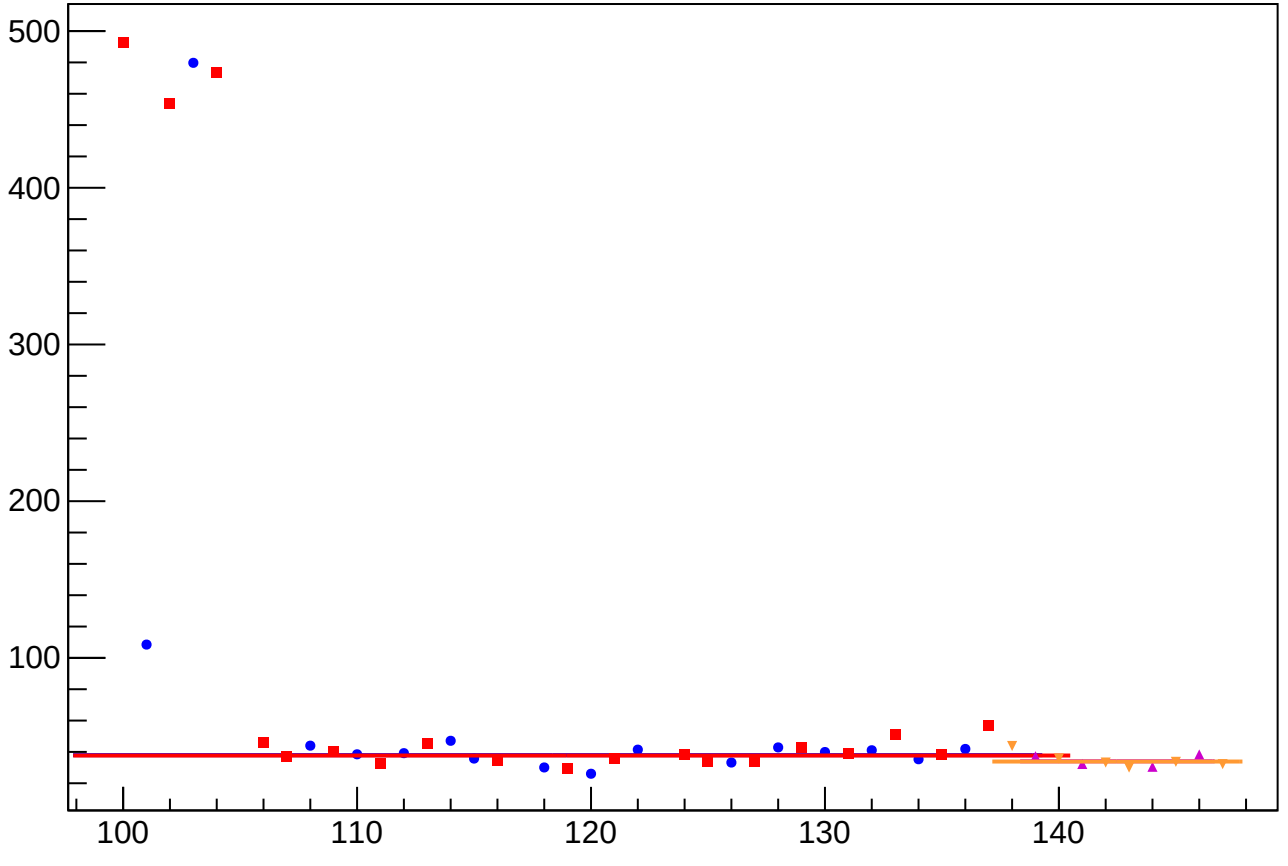
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.001+/-0.012 χ^2/NDF:29.8/19

Out: 0.011+/-0.012 χ^2/NDF:29.1/24

All: 0.006+/-0.008 χ^2/NDF: 59.3/44

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: 33.860+/-0.012 χ^2/NDF:103123.0/5

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.018+/-0.014 χ^2/NDF:57184.8/3

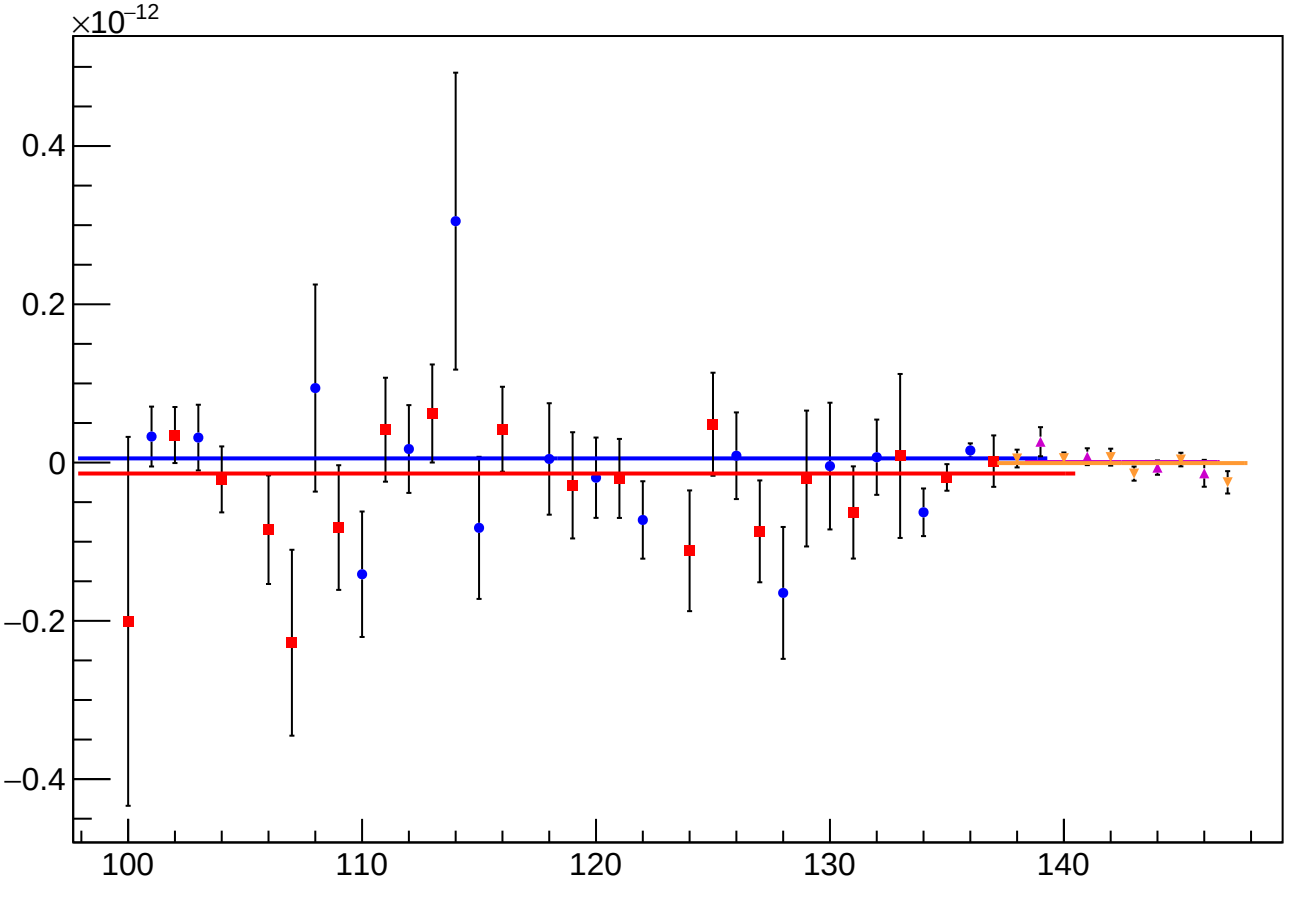
Left: 33.930+/-0.009 χ^2/NDF: 160382.6/9

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.360+/-0.009 χ^2/NDF:1845786.0/19

Out: 35.914+/-0.008 χ^2/NDF:2101104.3/24

All: 36.127+/-0.006 χ^2/NDF: 3948260.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/3

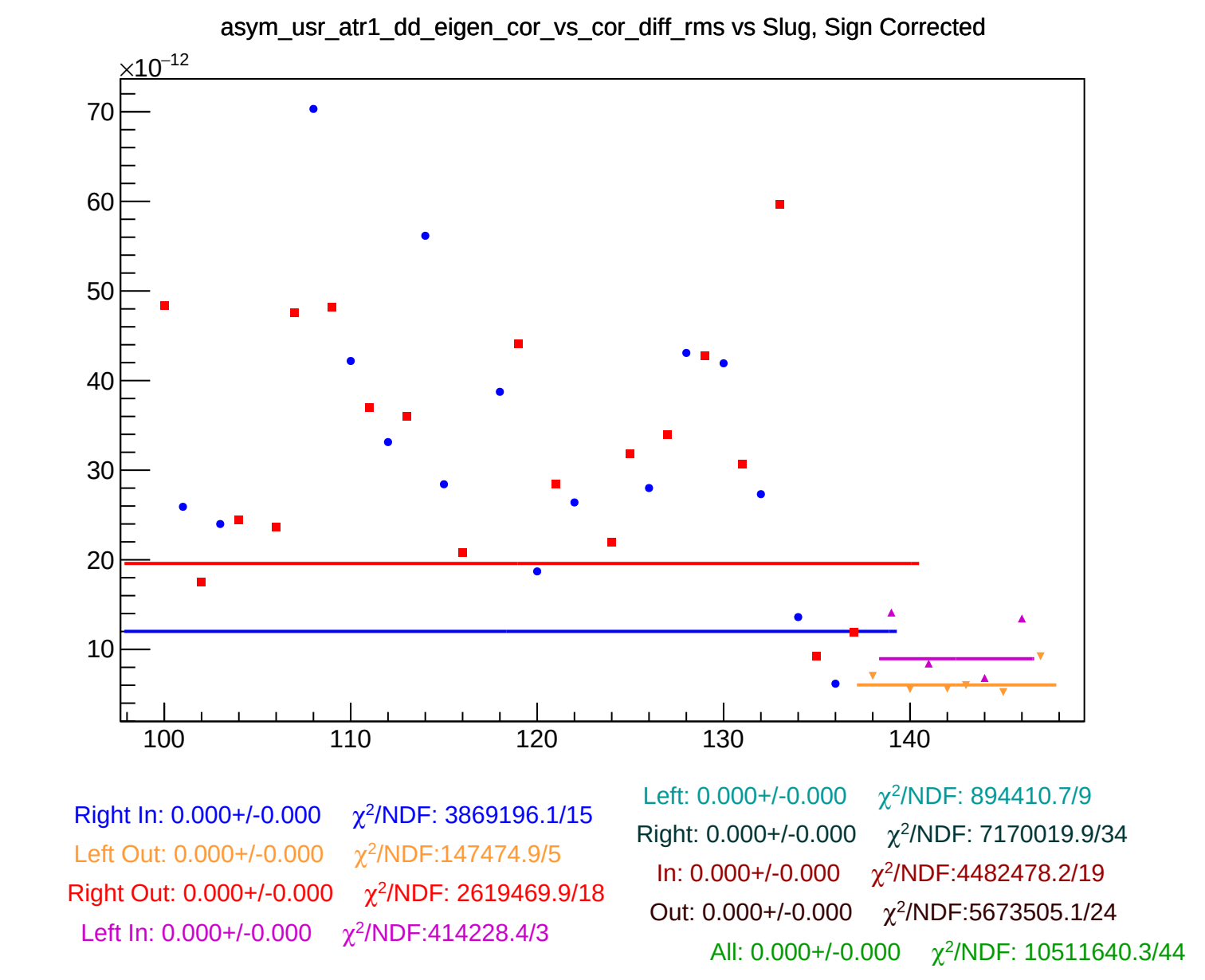
Left: -0.000+/-0.000 χ^2/NDF: 10.6/9

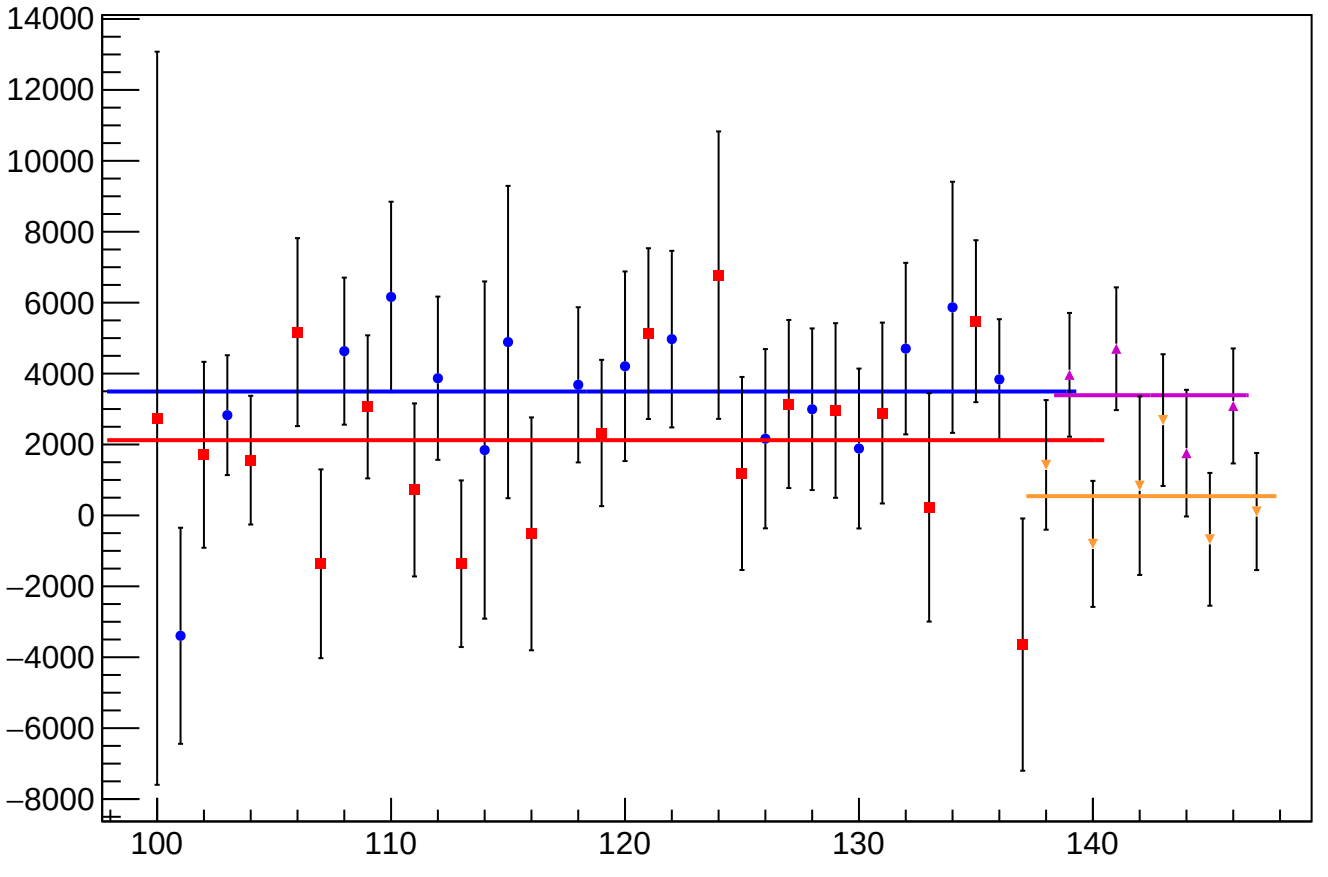
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:25.5/19

Out: -0.000+/-0.000 χ^2/NDF:24.3/24

All: -0.000+/-0.000 χ^2/NDF: 50.5/44


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:147474.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:414228.4/3
Left: 0.000+/-0.000 χ²/NDF: 894410.7/9
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:4482478.2/19
Out: 0.000+/-0.000 χ²/NDF:5673505.1/24
All: 0.000+/-0.000 χ²/NDF: 10511640.3/44



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 543.237+/-763.560 χ^2/NDF:2.6/5

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 3389.297+/-858.787 χ^2/NDF:1.6/3

Left: 1799.784+/-570.628 χ^2/NDF: 10.3/9

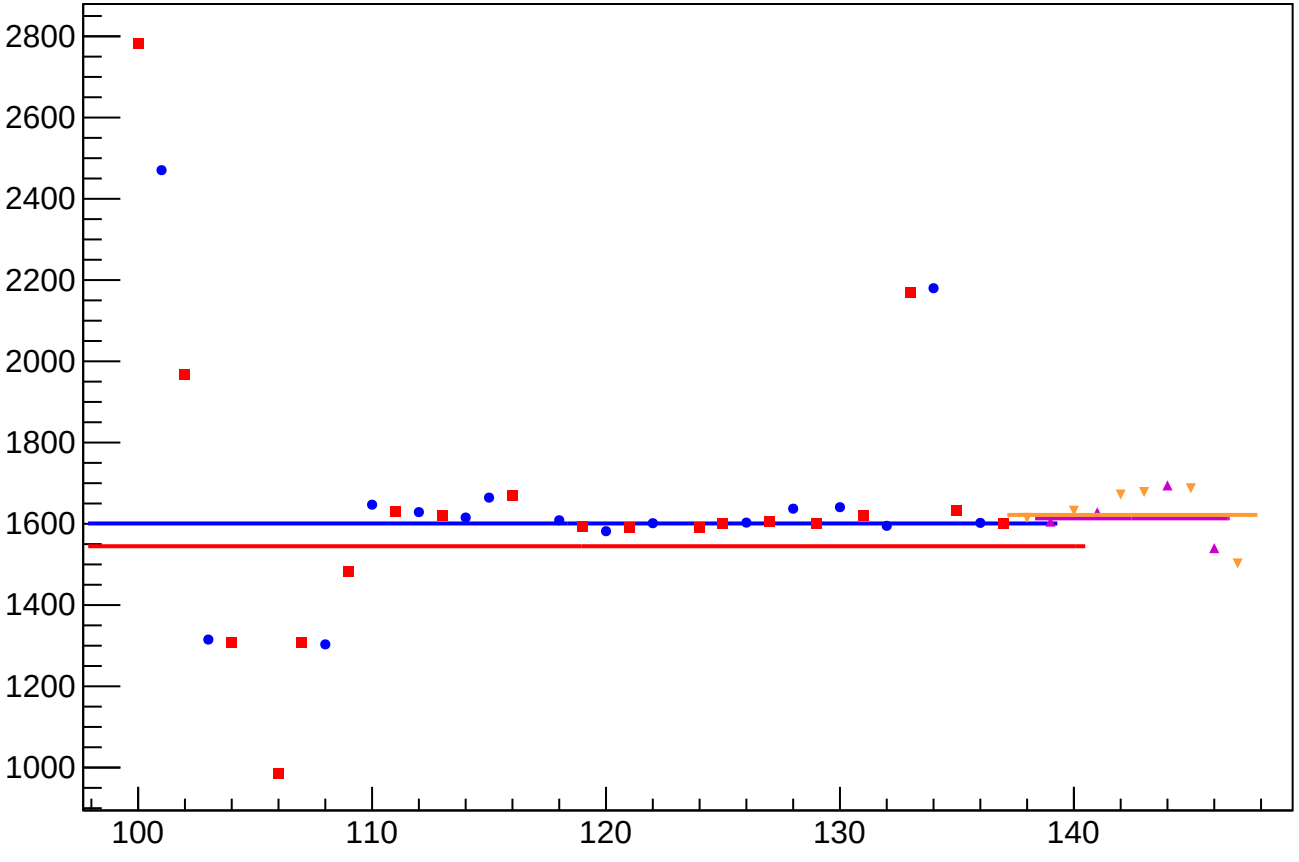
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3459.820+/-492.501 χ^2/NDF:10.4/19

Out: 1534.591+/-465.681 χ^2/NDF:20.4/24

All: 2443.361+/-338.371 χ^2/NDF: 38.9/44

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1621.957+/-0.540 χ^2/NDF:15653.6/5

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

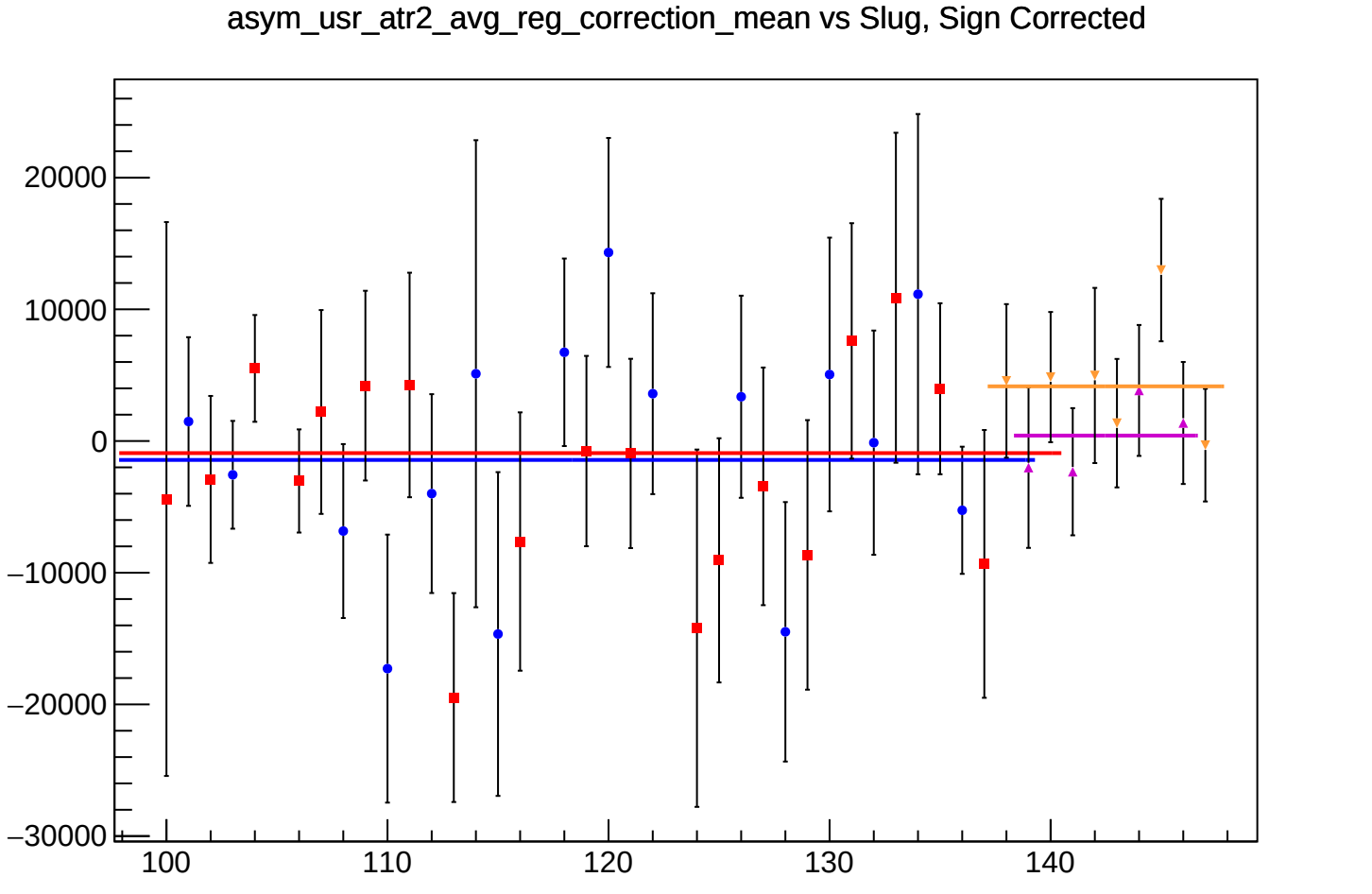
Left: 1618.186+/-0.403 χ^2/NDF: 24155.3/9

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1605.002+/-0.348 χ^2/NDF:326091.2/19

Out: 1572.901+/-0.326 χ^2/NDF:404763.4/24

All: 1587.884+/-0.238 χ^2/NDF: 735385.7/44



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 4151.618+/-2113.879 χ^2/NDF:4.1/5

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 412.887+/-2524.794 χ^2/NDF:1.0/3

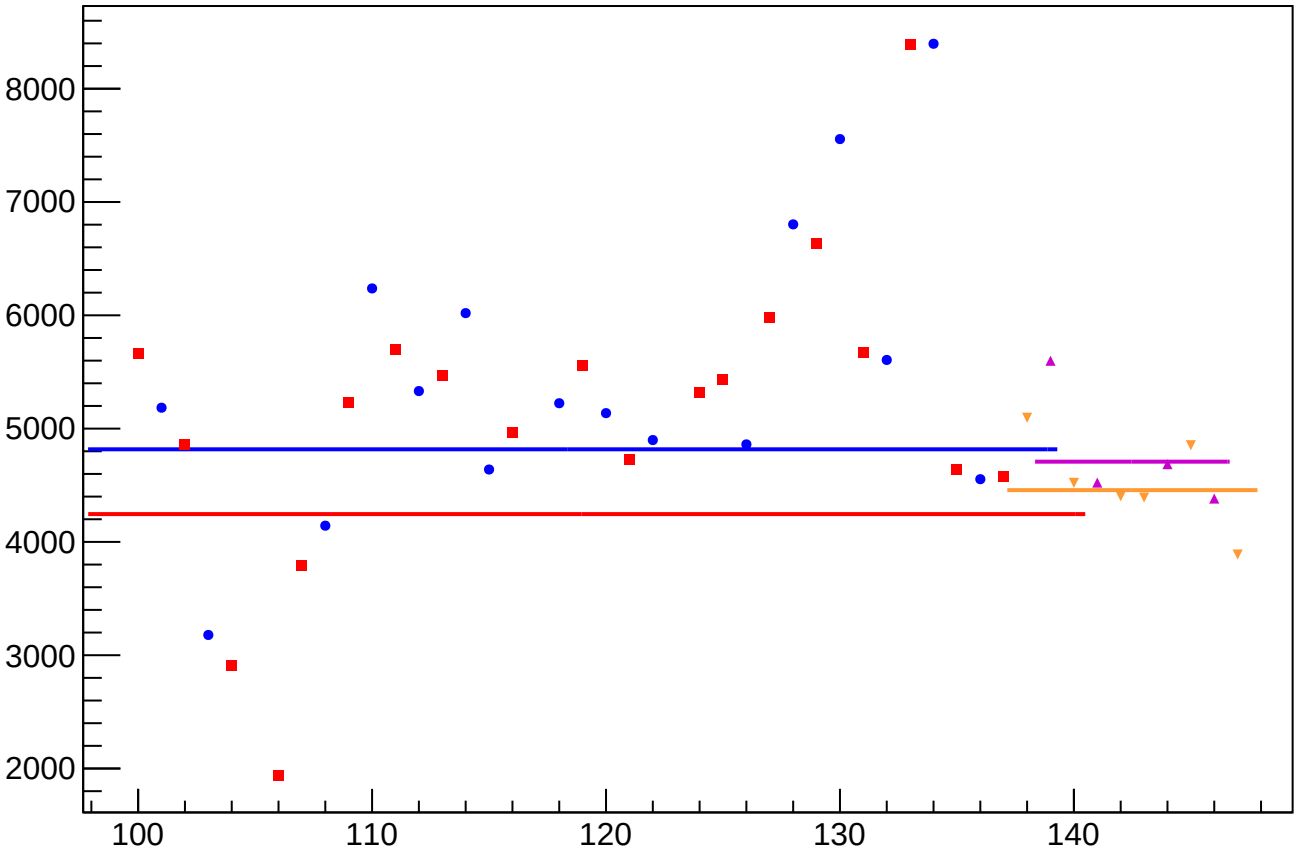
Left: 2610.868+/-1620.802 χ^2/NDF: 6.4/9

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -791.619+/-1491.377 χ^2/NDF:15.2/19

Out: 1028.839+/-1310.059 χ^2/NDF:23.0/24

All: 235.945+/-984.249 χ^2/NDF: 39.1/44



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4456.826+/-1.495 χ^2/NDF:70871.2/5

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4708.252+/-1.785 χ^2/NDF:55554.9/3

Left: 4560.440+/-1.146 χ^2/NDF: 138086.1/9

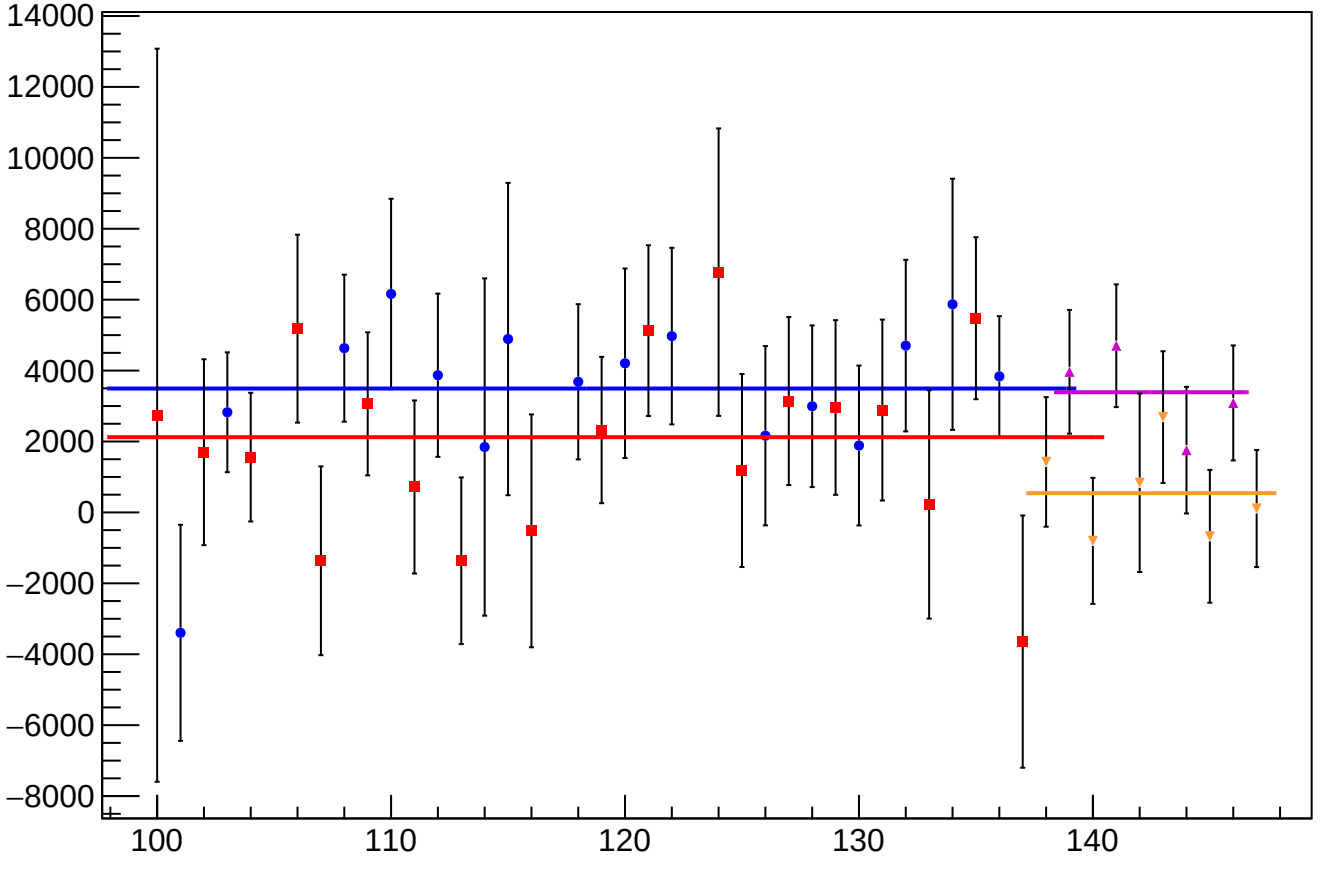
Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4779.280+/-1.055 χ^2/NDF:853417.0/19

Out: 4326.687+/-0.926 χ^2/NDF:1766337.8/24

All: 4523.812+/-0.696 χ^2/NDF: 2723722.7/44

cor_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 543.186+/-763.560 χ^2/NDF:2.6/5

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3389.557+/-858.787 χ^2/NDF:1.6/3

Left: 1799.871+/-570.628 χ^2/NDF: 10.3/9

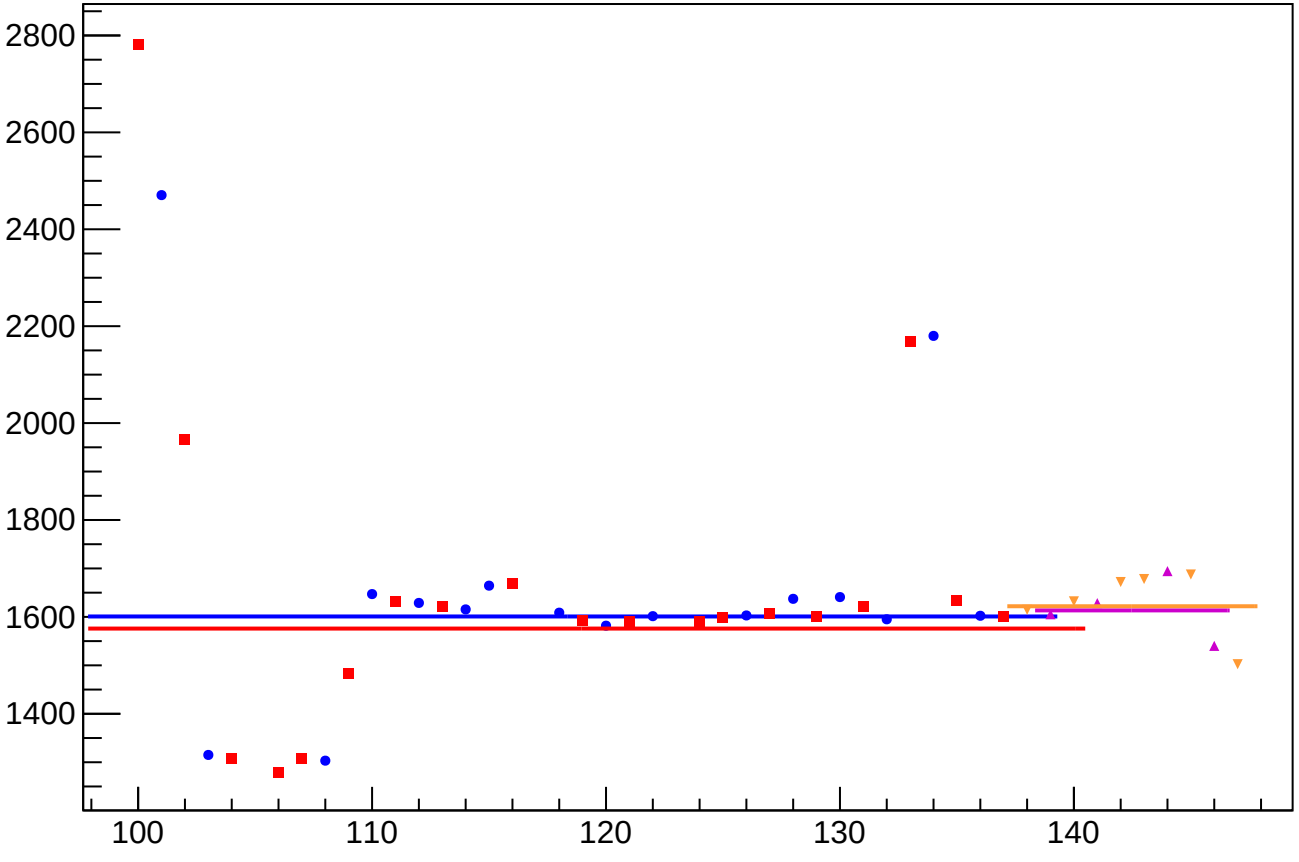
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3459.681+/-492.501 χ^2/NDF:10.4/19

Out: 1534.563+/-465.683 χ^2/NDF:20.4/24

All: 2443.284+/-338.371 χ^2/NDF: 38.9/44

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1621.957+/-0.540 χ^2/NDF:15653.6/5

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

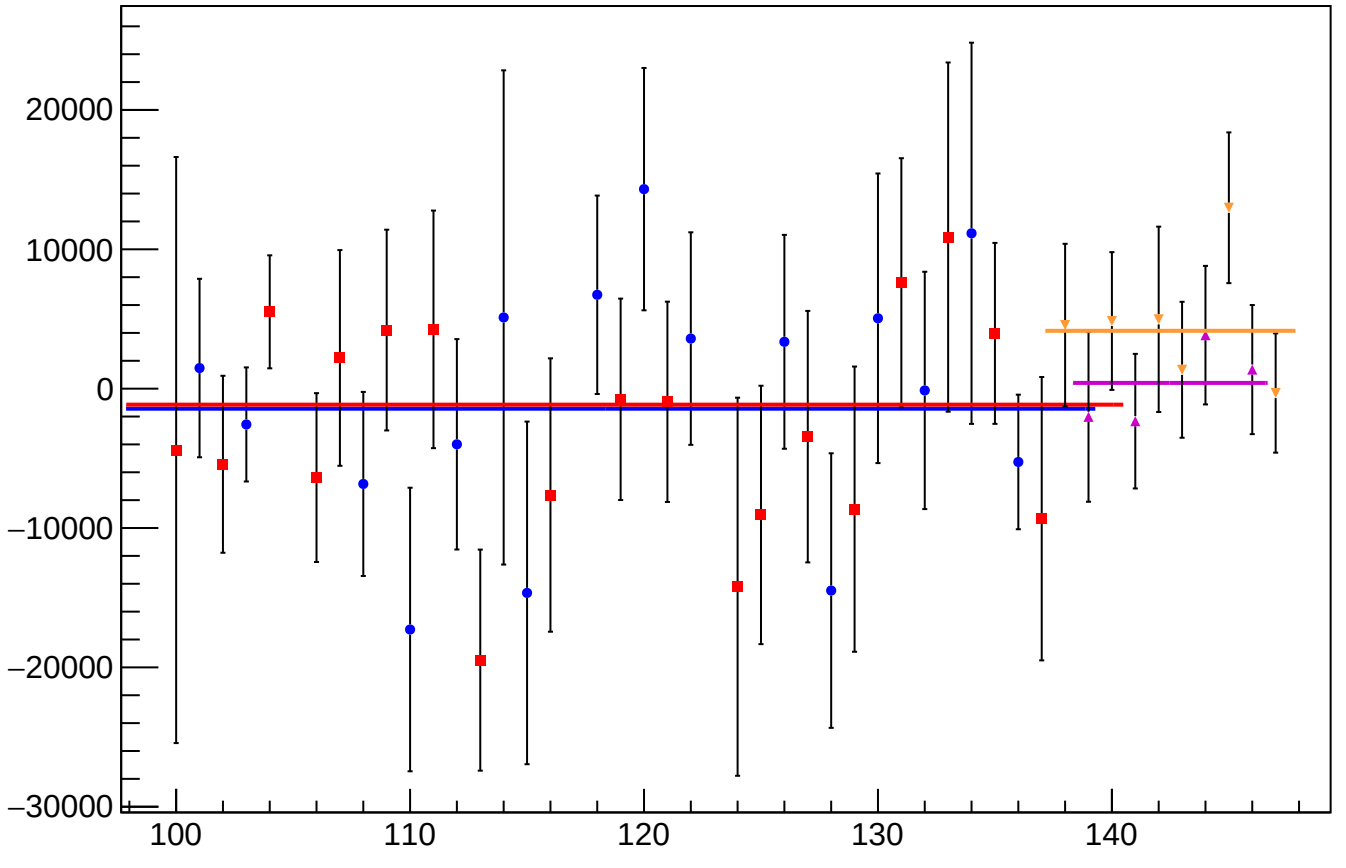
Left: 1618.186+/-0.403 χ^2/NDF: 24155.3/9

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1605.003+/-0.348 χ^2/NDF:326090.4/19

Out: 1592.947+/-0.328 χ^2/NDF:263568.9/24

All: 1598.623+/-0.239 χ^2/NDF: 590293.5/44



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4151.540+/-2113.872 χ^2/NDF:4.1/5

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 413.026+/-2524.794 χ^2/NDF:1.0/3

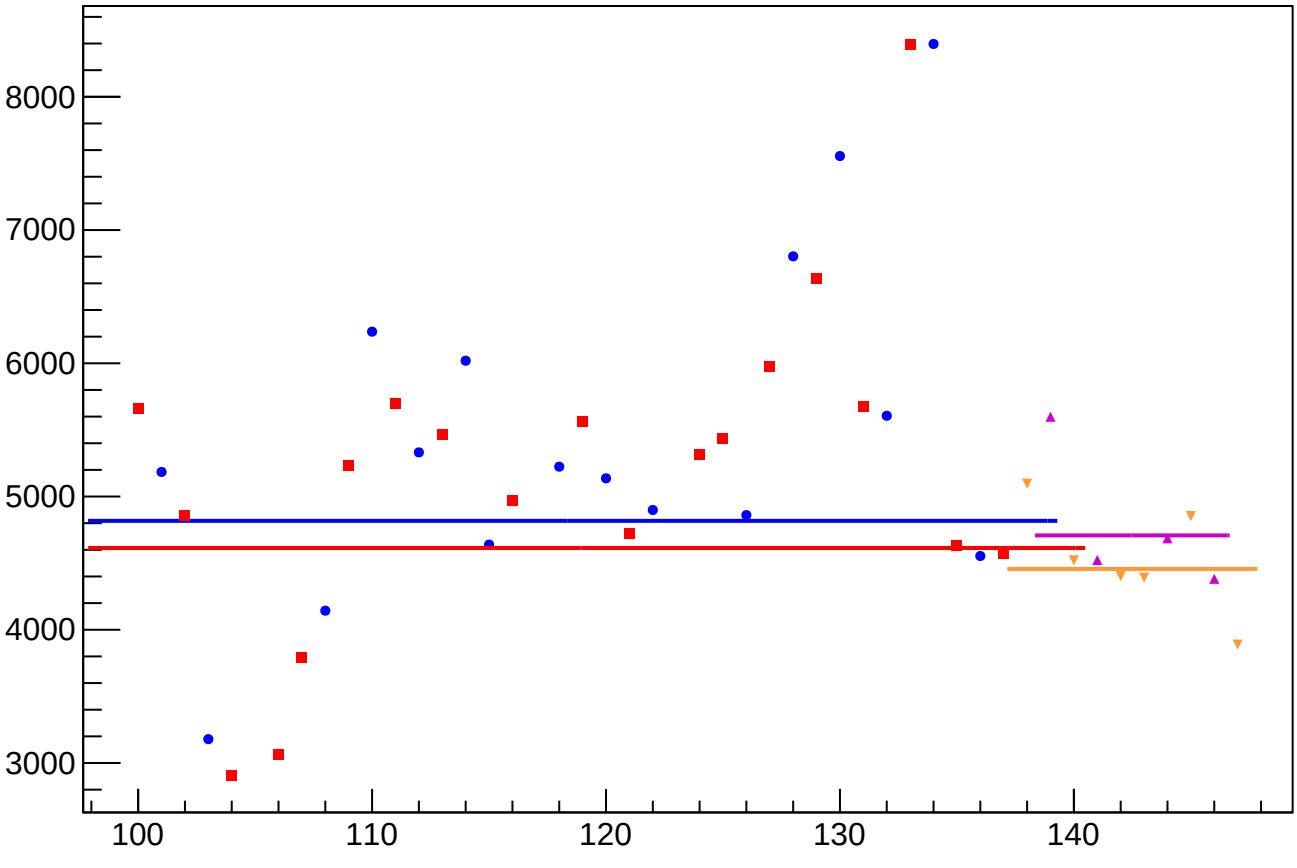
Left: 2610.885+/-1620.799 χ^2/NDF: 6.4/9

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -791.712+/-1491.397 χ^2/NDF:15.2/19

Out: 1030.579+/-1354.999 χ^2/NDF:24.1/24

All: 206.556+/-1002.891 χ^2/NDF: 40.1/44



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4456.813+/-1.495 χ^2/NDF:70870.8/5

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4708.253+/-1.785 χ^2/NDF:55554.2/3

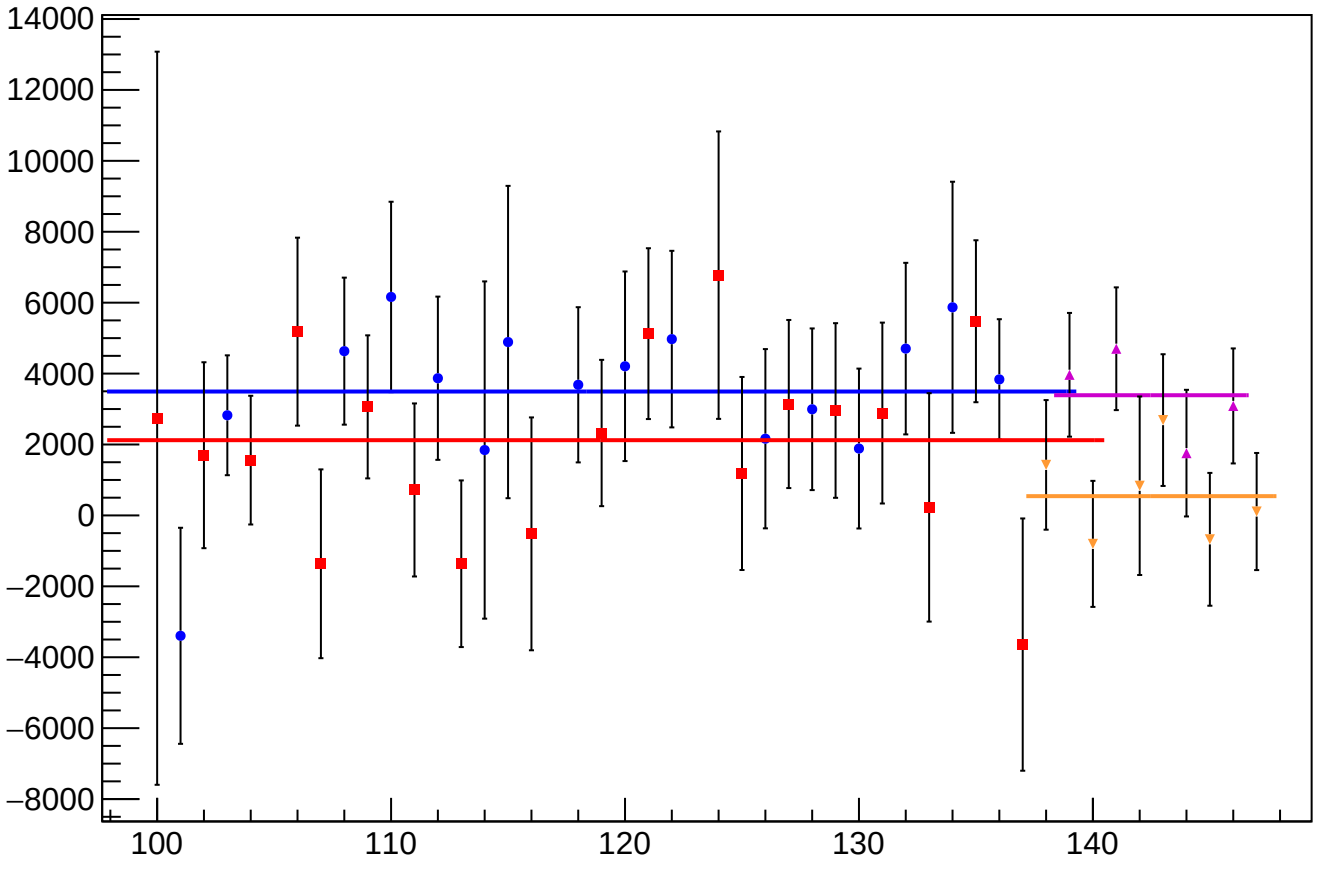
Left: 4560.432+/-1.146 χ^2/NDF: 138086.4/9

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4779.368+/-1.055 χ^2/NDF:853224.6/19

Out: 4549.326+/-0.958 χ^2/NDF:1055331.5/24

All: 4653.349+/-0.709 χ^2/NDF: 1934622.8/44



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 543.186+/-763.560 χ^2/NDF:2.6/5

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3389.557+/-858.787 χ^2/NDF:1.6/3

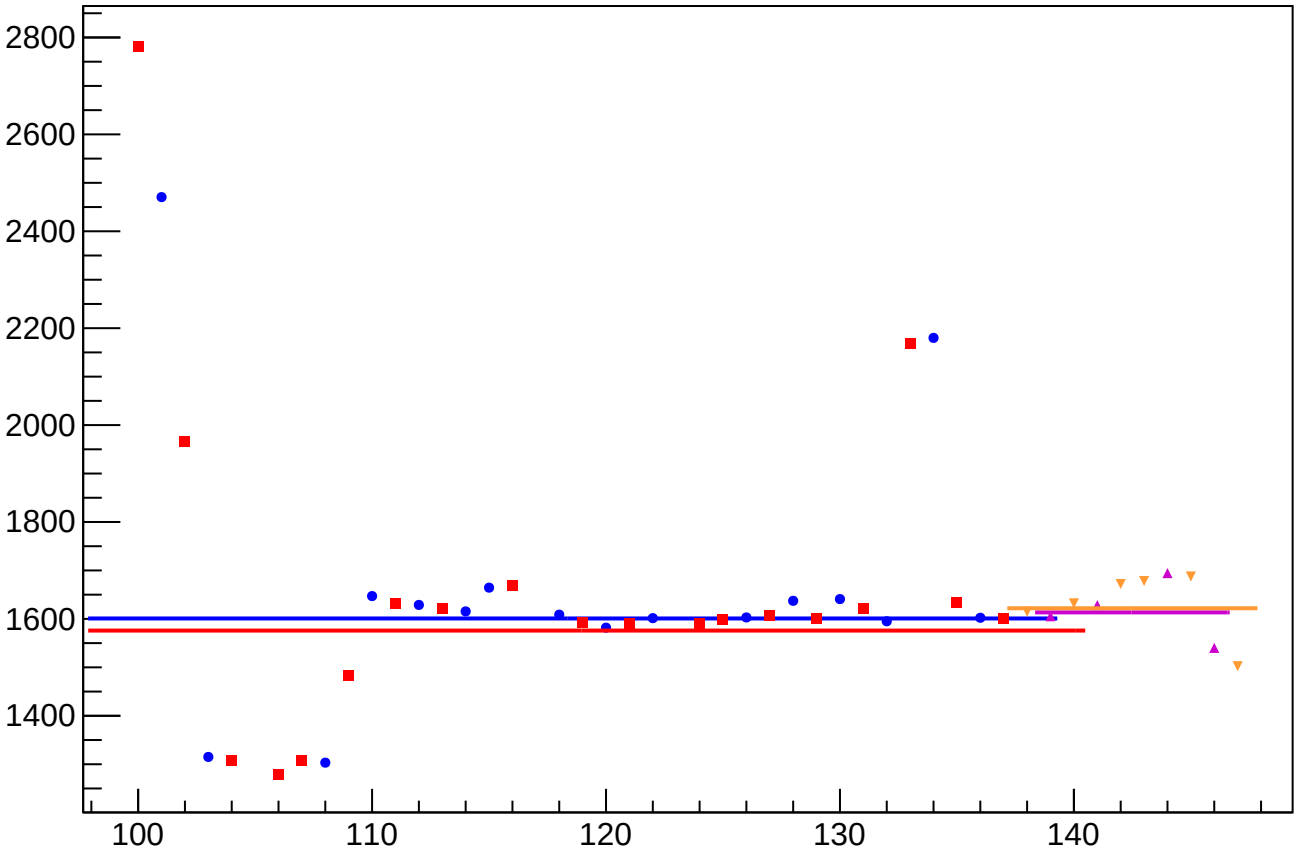
Left: 1799.871+/-570.628 χ^2/NDF: 10.3/9

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3459.681+/-492.501 χ^2/NDF:10.4/19

Out: 1534.563+/-465.683 χ^2/NDF:20.4/24

All: 2443.284+/-338.371 χ^2/NDF: 38.9/44



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1621.957+/-0.540 χ^2/NDF:15653.6/5

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1613.415+/-0.607 χ^2/NDF:8391.3/3

Left: 1618.186+/-0.403 χ^2/NDF: 24155.3/9

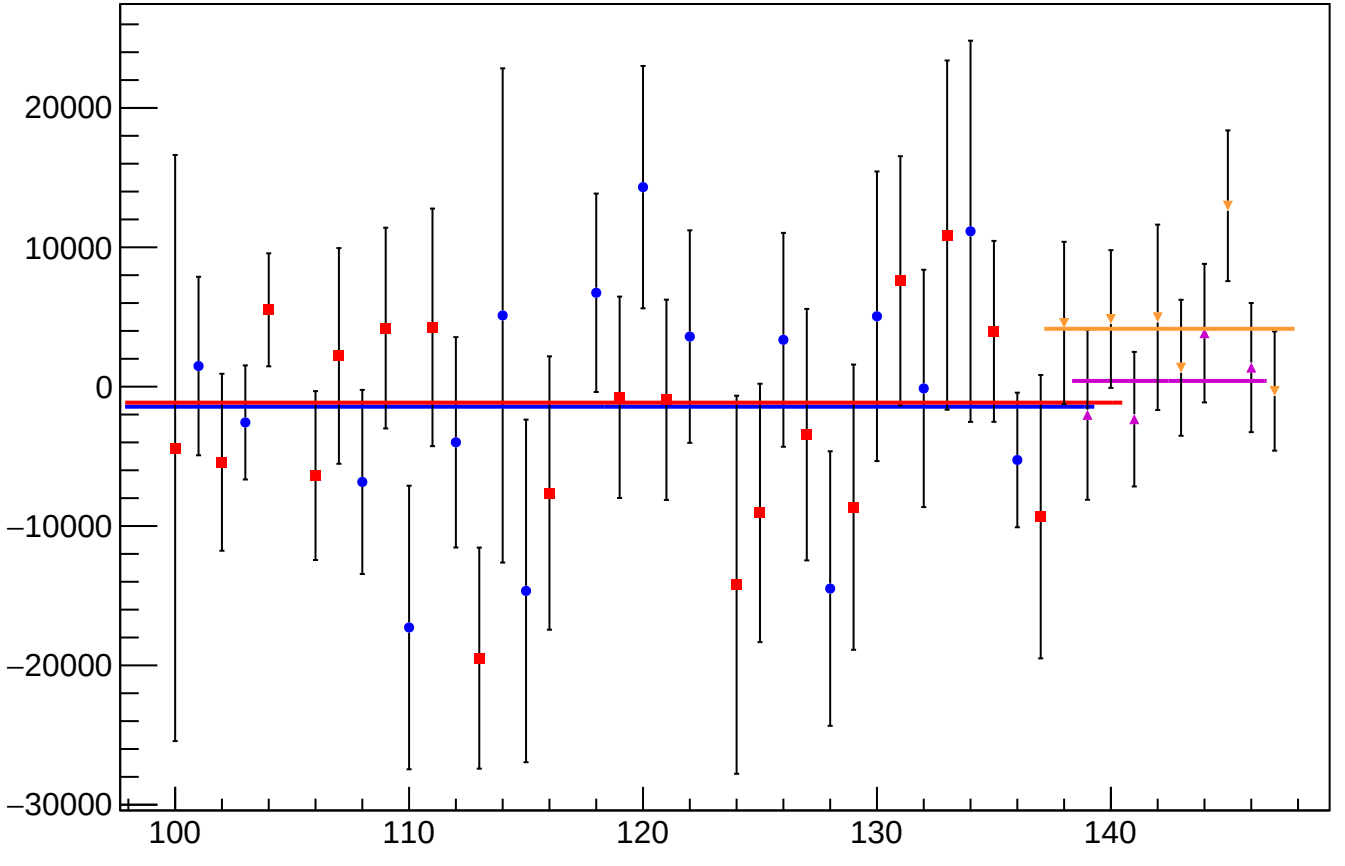
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1605.003+/-0.348 χ^2/NDF:326090.4/19

Out: 1592.947+/-0.328 χ^2/NDF:263568.9/24

All: 1598.623+/-0.239 χ^2/NDF: 590293.5/44

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 4151.540+/-2113.872 χ^2/NDF:4.1/5

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 413.026+/-2524.794 χ^2/NDF:1.0/3

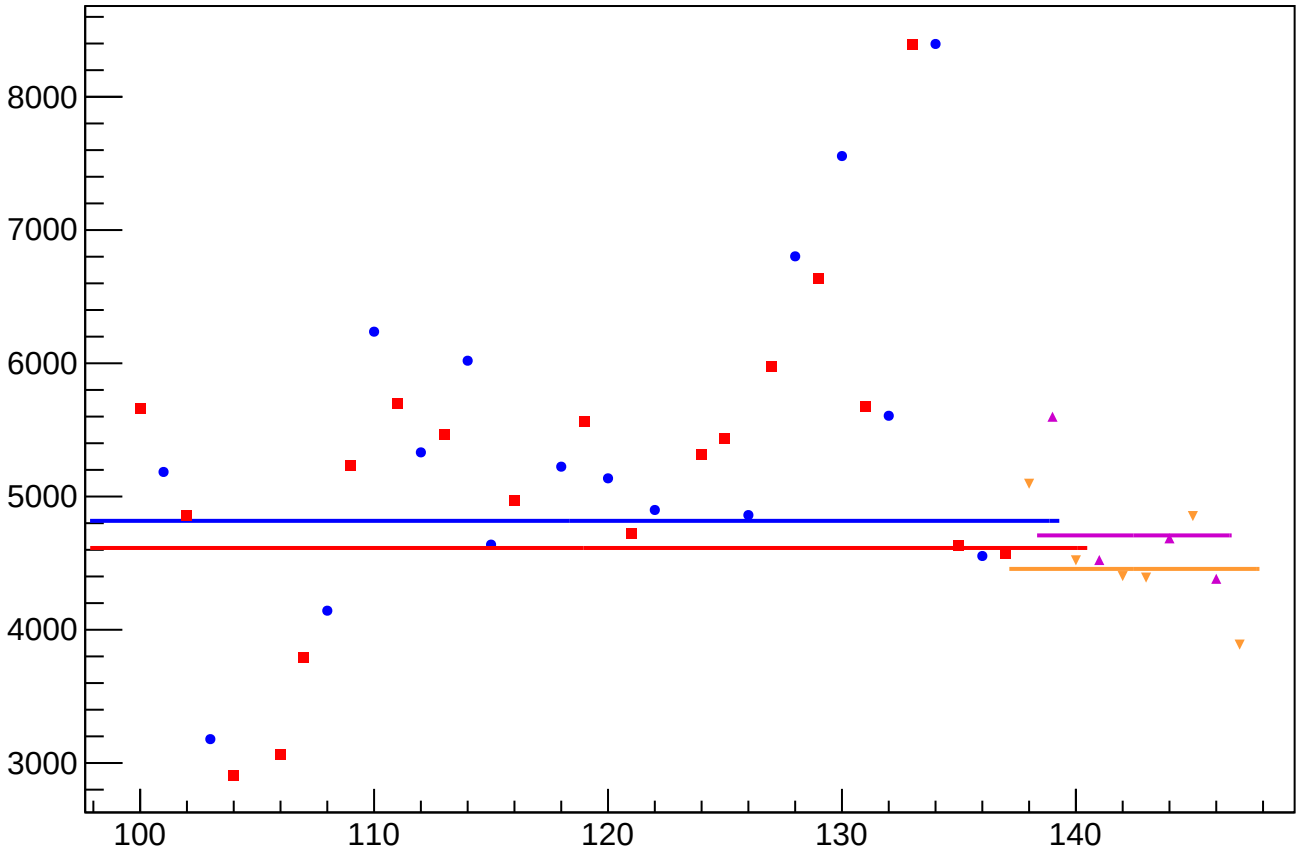
Left: 2610.885+/-1620.799 χ^2/NDF: 6.4/9

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -791.712+/-1491.397 χ^2/NDF:15.2/19

Out: 1030.579+/-1354.999 χ^2/NDF:24.1/24

All: 206.556+/-1002.891 χ^2/NDF: 40.1/44



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4456.813+/-1.495 χ^2/NDF:70870.8/5

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4708.253+/-1.785 χ^2/NDF:55554.2/3

Left: 4560.432+/-1.146 χ^2/NDF: 138086.4/9

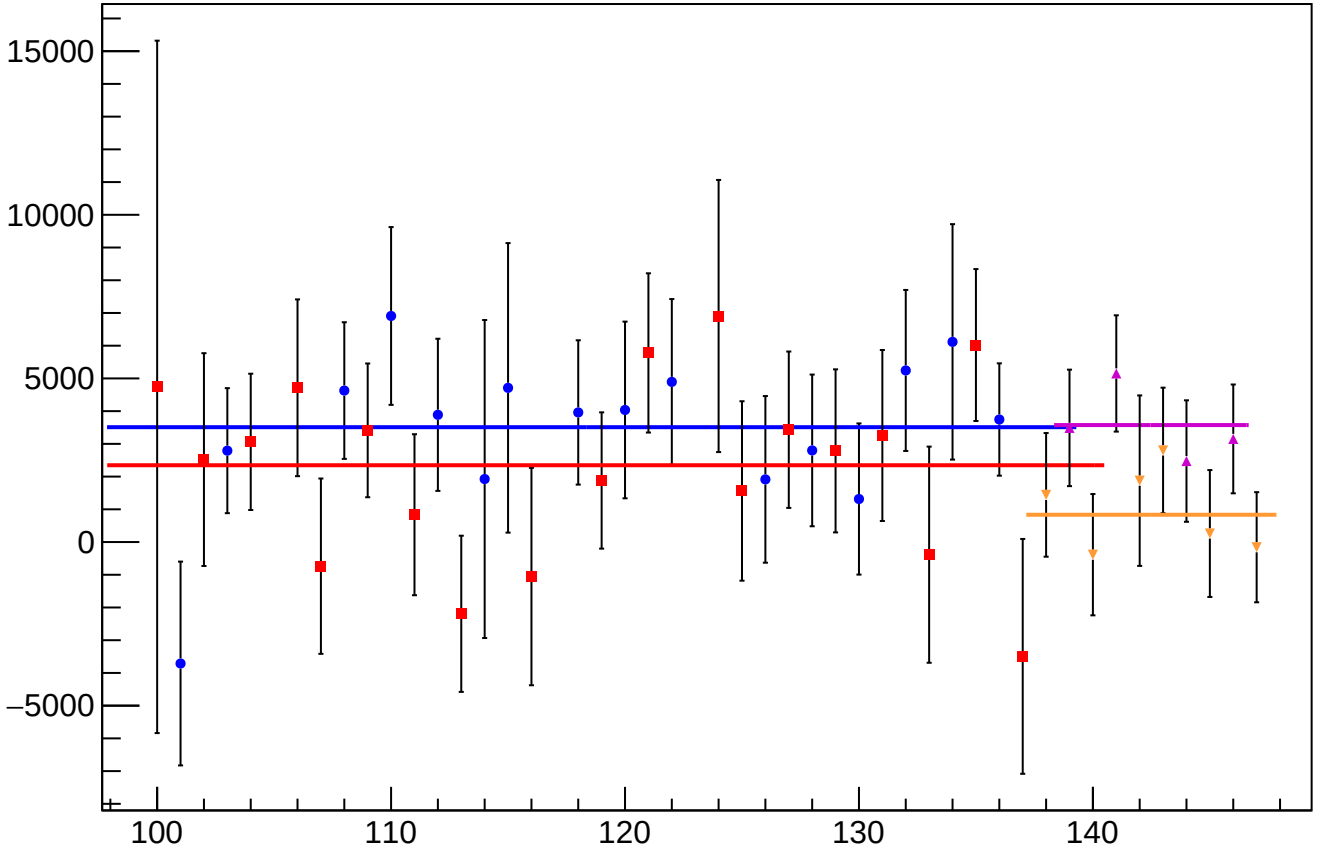
Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4779.368+/-1.055 χ^2/NDF:853224.6/19

Out: 4549.326+/-0.958 χ^2/NDF:1055331.5/24

All: 4653.349+/-0.709 χ^2/NDF: 1934622.8/44

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 833.510+/-788.218 χ^2/NDF:2.2/5

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3574.411+/-882.352 χ^2/NDF:1.2/3

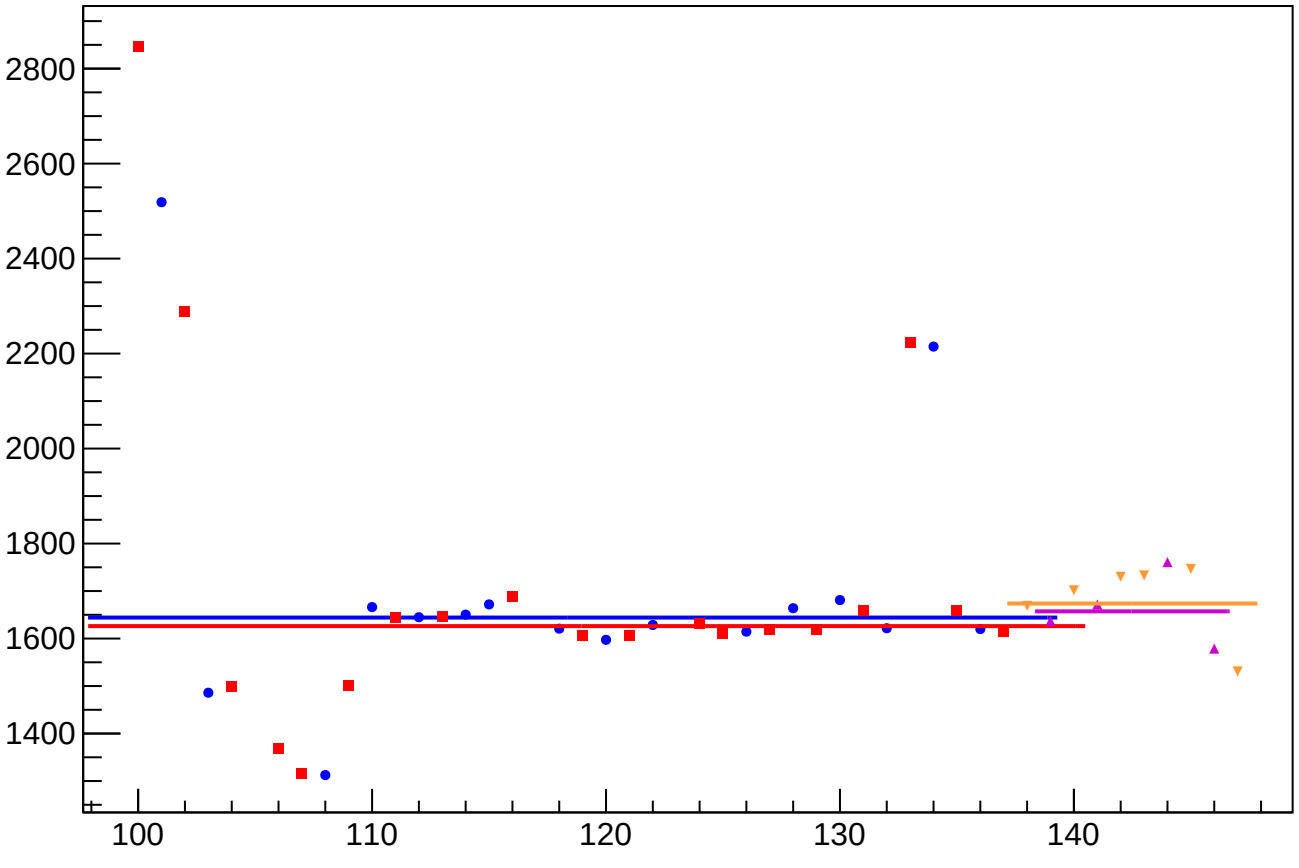
Left: 2050.003+/-587.828 χ^2/NDF: 8.8/9

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3530.808+/-505.488 χ^2/NDF:11.6/19

Out: 1782.900+/-481.172 χ^2/NDF:21.6/24

All: 2613.803+/-348.519 χ^2/NDF: 39.5/44



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1673.725+/-0.557 χ^2/NDF:20560.7/5

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1657.235+/-0.624 χ^2/NDF:11070.7/3

Left: 1666.406+/-0.416 χ^2/NDF: 32019.9/9

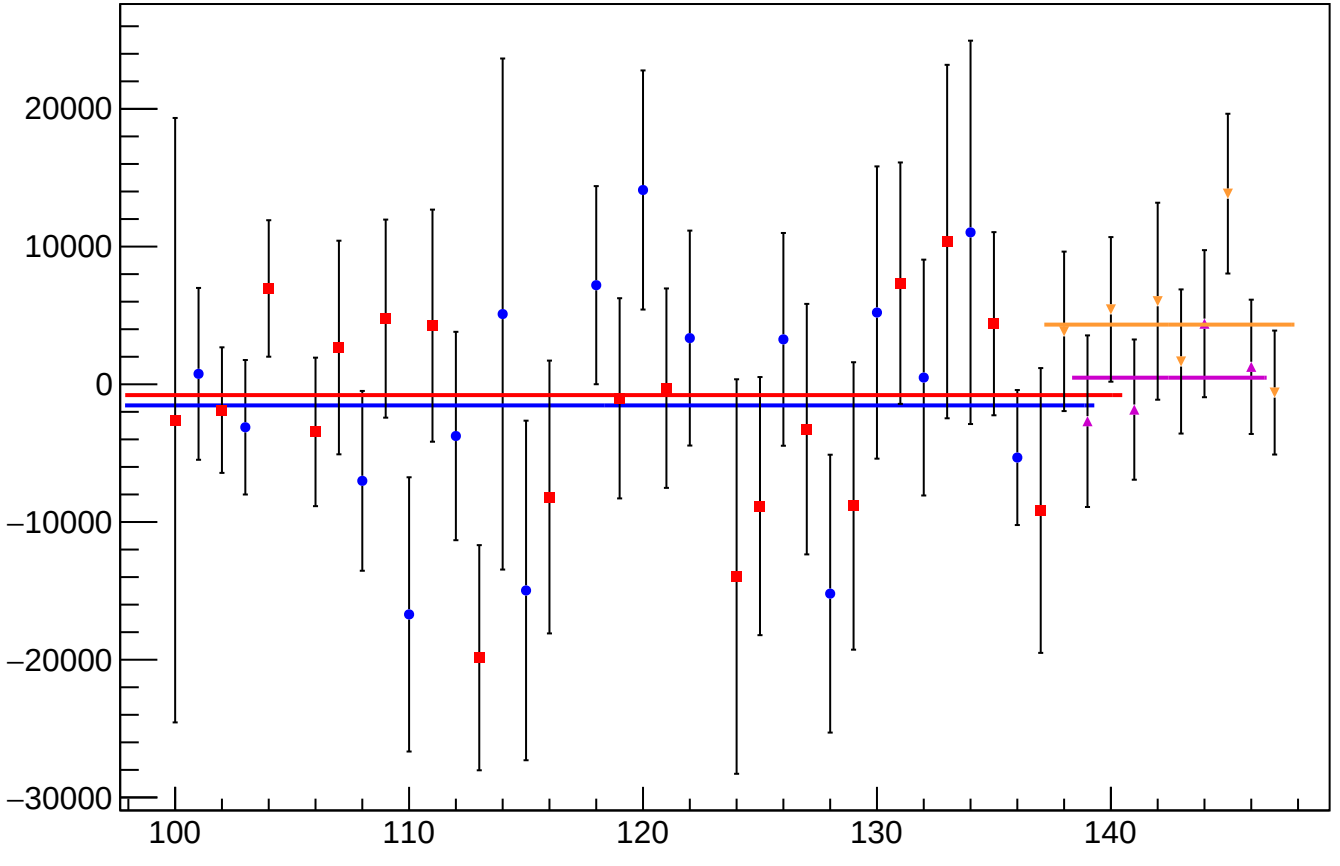
Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1648.477+/-0.357 χ^2/NDF:286181.9/19

Out: 1643.875+/-0.340 χ^2/NDF:262769.0/24

All: 1646.061+/-0.246 χ^2/NDF: 549038.0/44

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 4334.684+/-2229.141 χ^2/NDF:4.3/5

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 479.752+/-2658.744 χ^2/NDF:1.0/3

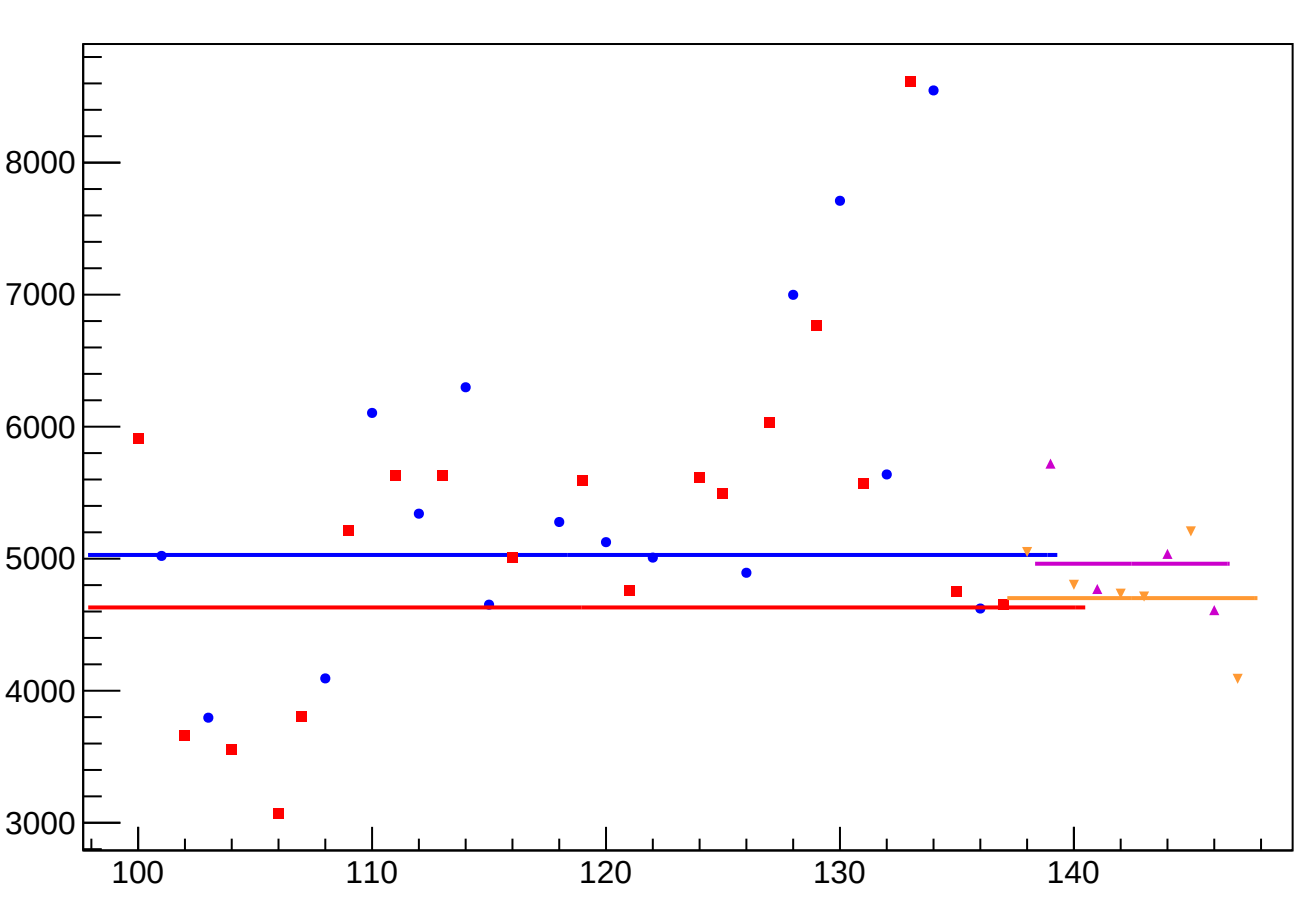
Left: 2743.436+/-1708.194 χ^2/NDF: 6.5/9

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -845.471+/-1553.251 χ^2/NDF:15.3/19

Out: 1165.669+/-1375.799 χ^2/NDF:22.6/24

All: 281.495+/-1029.886 χ^2/NDF: 38.8/44



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4701.573+/-1.576 χ^2/NDF:60141.6/5

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 4962.009+/-1.880 χ^2/NDF:43227.1/3

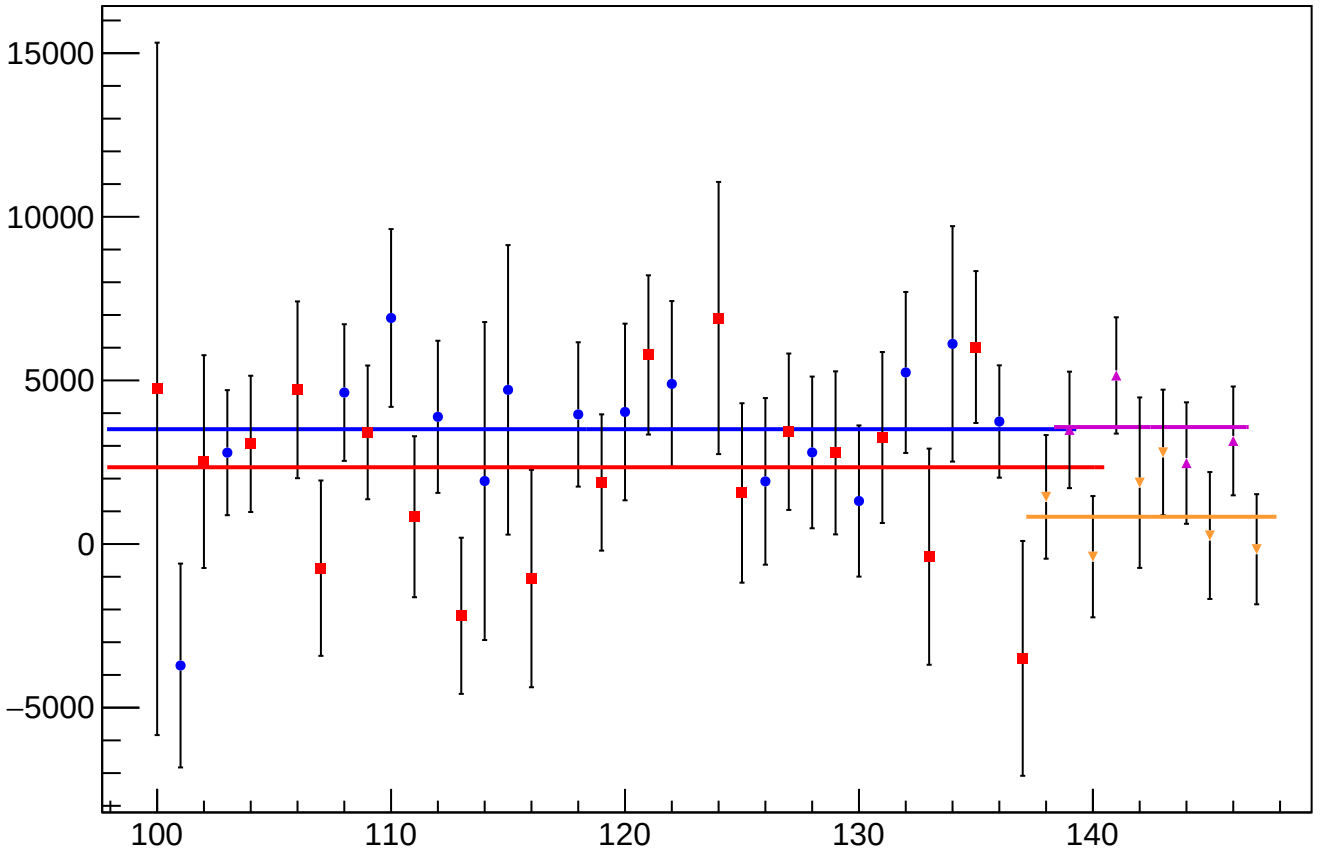
Left: 4809.076+/-1.208 χ^2/NDF: 114637.6/9

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5005.774+/-1.098 χ^2/NDF:609519.2/19

Out: 4657.821+/-0.973 χ^2/NDF:924901.0/24

All: 4810.794+/-0.728 χ^2/NDF: 1590661.5/44



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 833.511+/-788.218 χ^2/NDF:2.2/5

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3574.402+/-882.353 χ^2/NDF:1.2/3

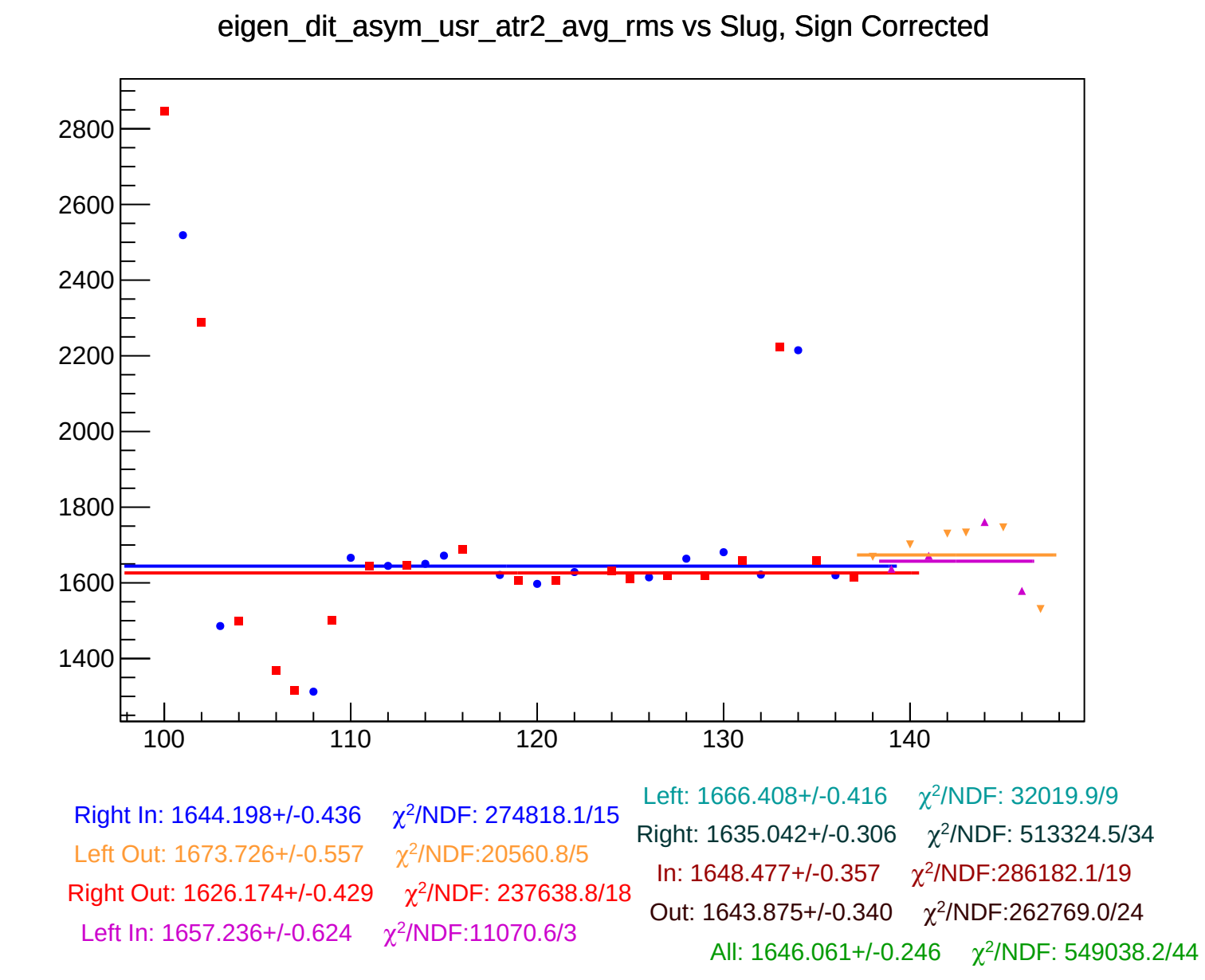
Left: 2050.000+/-587.828 χ^2/NDF: 8.8/9

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3530.807+/-505.488 χ^2/NDF:11.6/19

Out: 1782.904+/-481.172 χ^2/NDF:21.6/24

All: 2613.805+/-348.519 χ^2/NDF: 39.5/44


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
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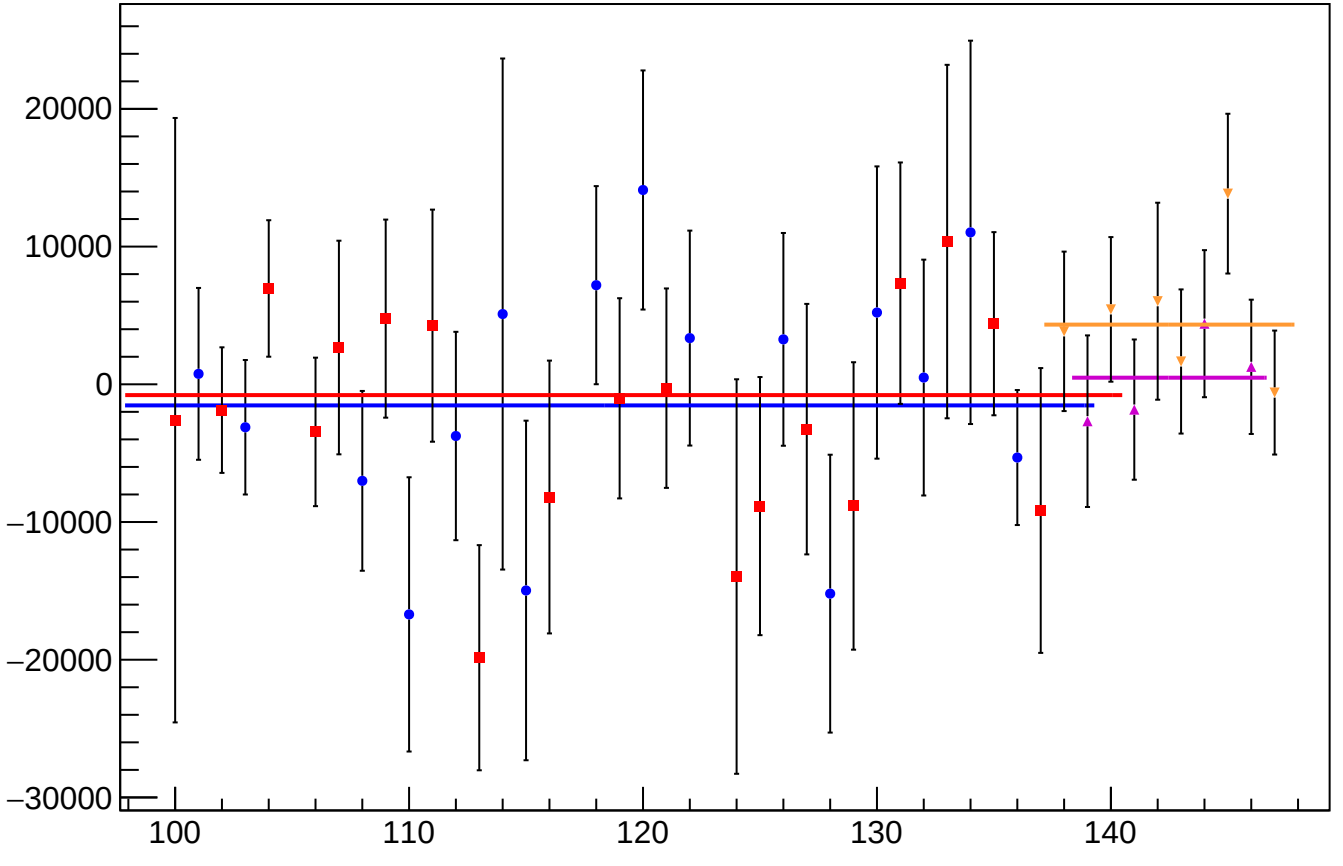
120
130
140
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1673.726+/-0.557 χ²/NDF:20560.8/5
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1657.236+/-0.624 χ²/NDF:11070.6/3
Left: 1666.408+/-0.416 χ²/NDF: 32019.9/9
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1648.477+/-0.357 χ²/NDF:286182.1/19
Out: 1643.875+/-0.340 χ²/NDF:262769.0/24
All: 1646.061+/-0.246 χ²/NDF: 549038.2/44

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: 4334.686+/-2229.145 χ^2/NDF:4.3/5

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 479.742+/-2658.748 χ^2/NDF:1.0/3

Left: 2743.432+/-1708.196 χ^2/NDF: 6.5/9

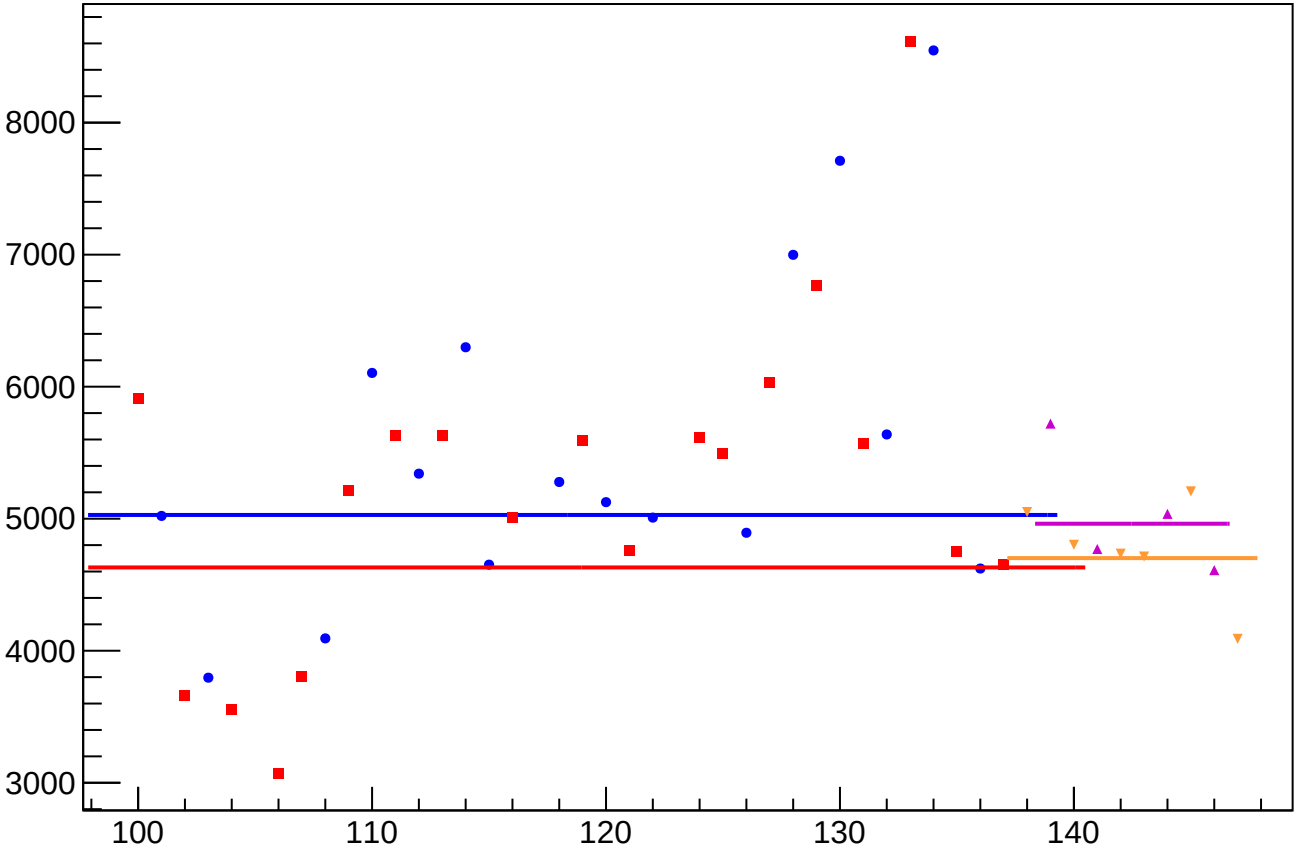
Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -845.467+/-1553.250 χ^2/NDF:15.3/19

Out: 1165.661+/-1375.799 χ^2/NDF:22.6/24

All: 281.492+/-1029.886 χ^2/NDF: 38.8/44

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: 4701.580+/-1.576 χ^2/NDF:60141.8/5

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 4962.016+/-1.880 χ^2/NDF:43227.7/3

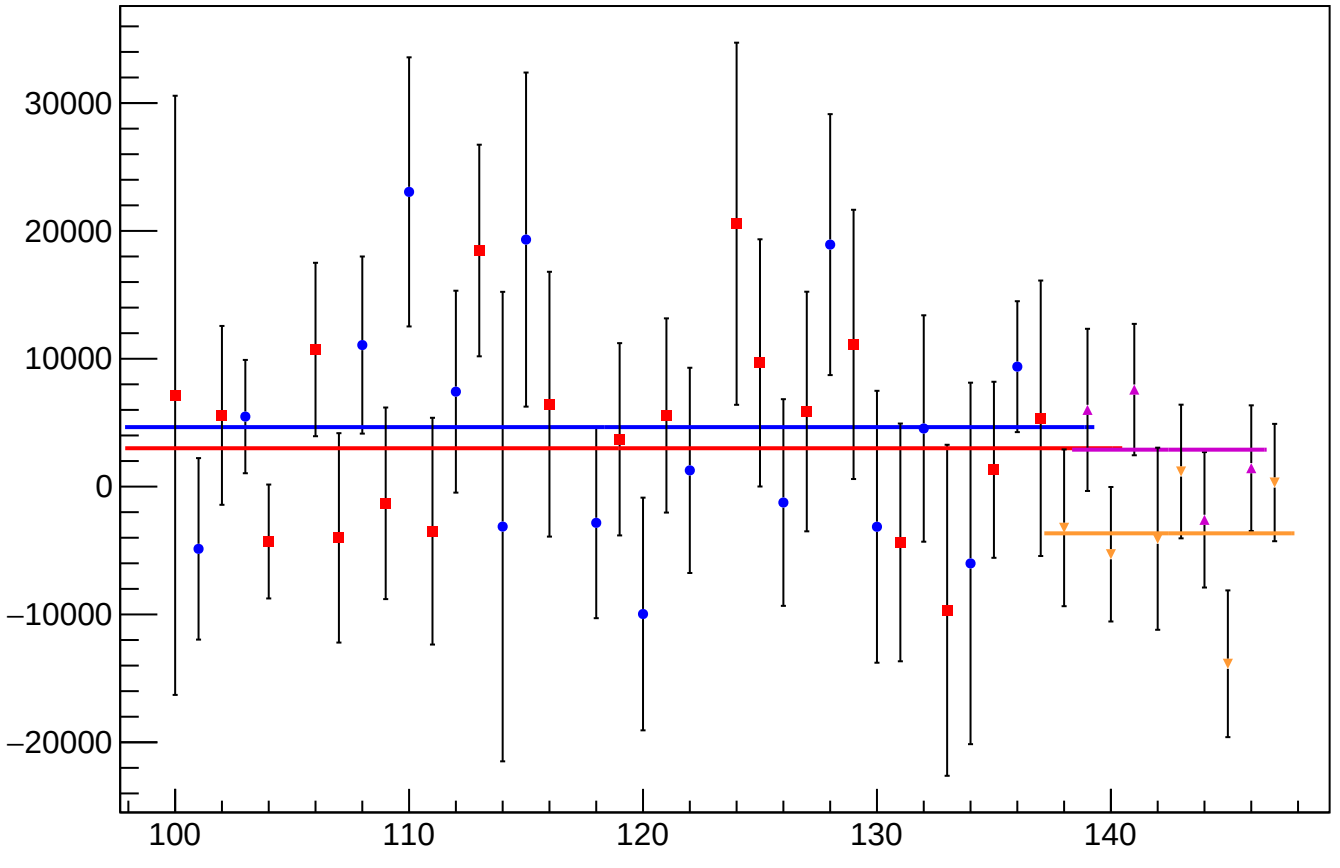
Left: 4809.083+/-1.208 χ^2/NDF: 114638.3/9

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5005.772+/-1.098 χ^2/NDF:609513.2/19

Out: 4657.820+/-0.973 χ^2/NDF:924895.8/24

All: 4810.793+/-0.728 χ^2/NDF: 1590650.1/44



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -3655.296+/-2253.643 χ^2/NDF:4.9/5

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2888.571+/-2674.709 χ^2/NDF:2.2/3

Left: -938.403+/-1723.438 χ^2/NDF: 10.6/9

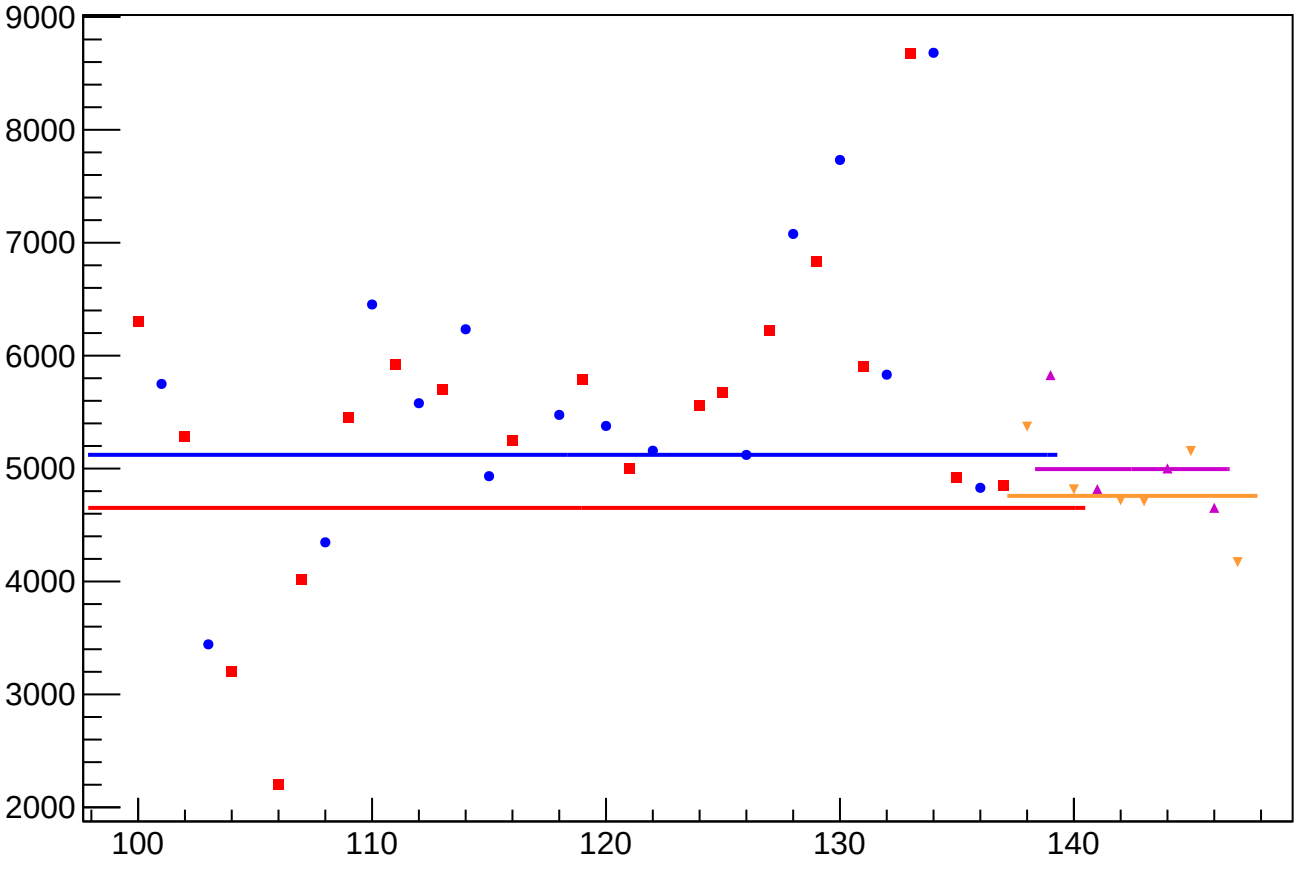
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 4037.259+/-1580.173 χ^2/NDF:18.0/19

Out: 264.800+/-1444.913 χ^2/NDF:23.9/24

All: 1982.688+/-1066.326 χ^2/NDF: 45.0/44

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4758.209+/-1.594 χ^2/NDF:62765.2/5

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 4995.298+/-1.891 χ^2/NDF:46552.8/3

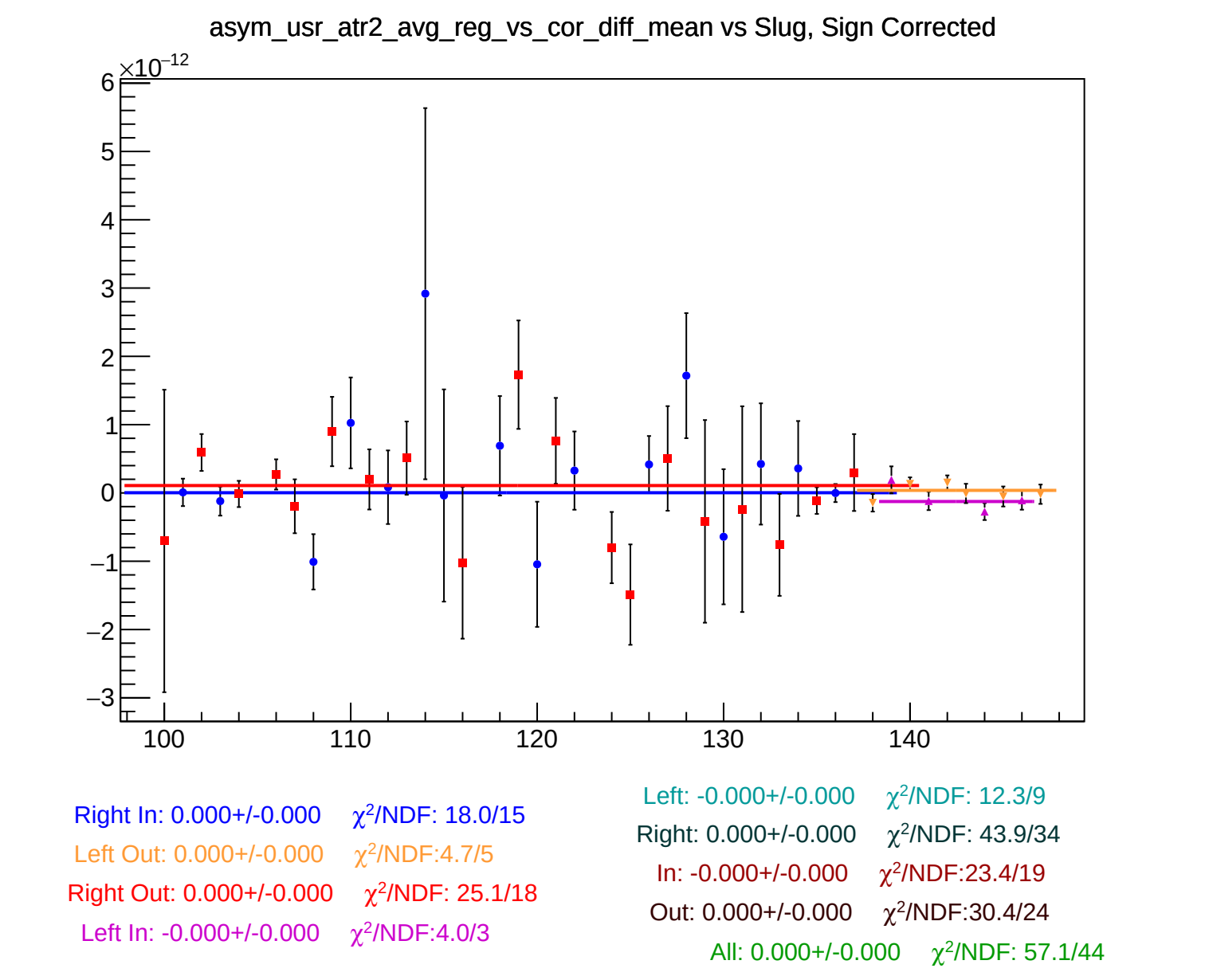
Left: 4856.644+/-1.219 χ^2/NDF: 118508.2/9

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5077.546+/-1.117 χ^2/NDF:769828.0/19

Out: 4693.499+/-0.998 χ^2/NDF:1410346.6/24

All: 4863.943+/-0.744 χ^2/NDF: 2245881.5/44


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
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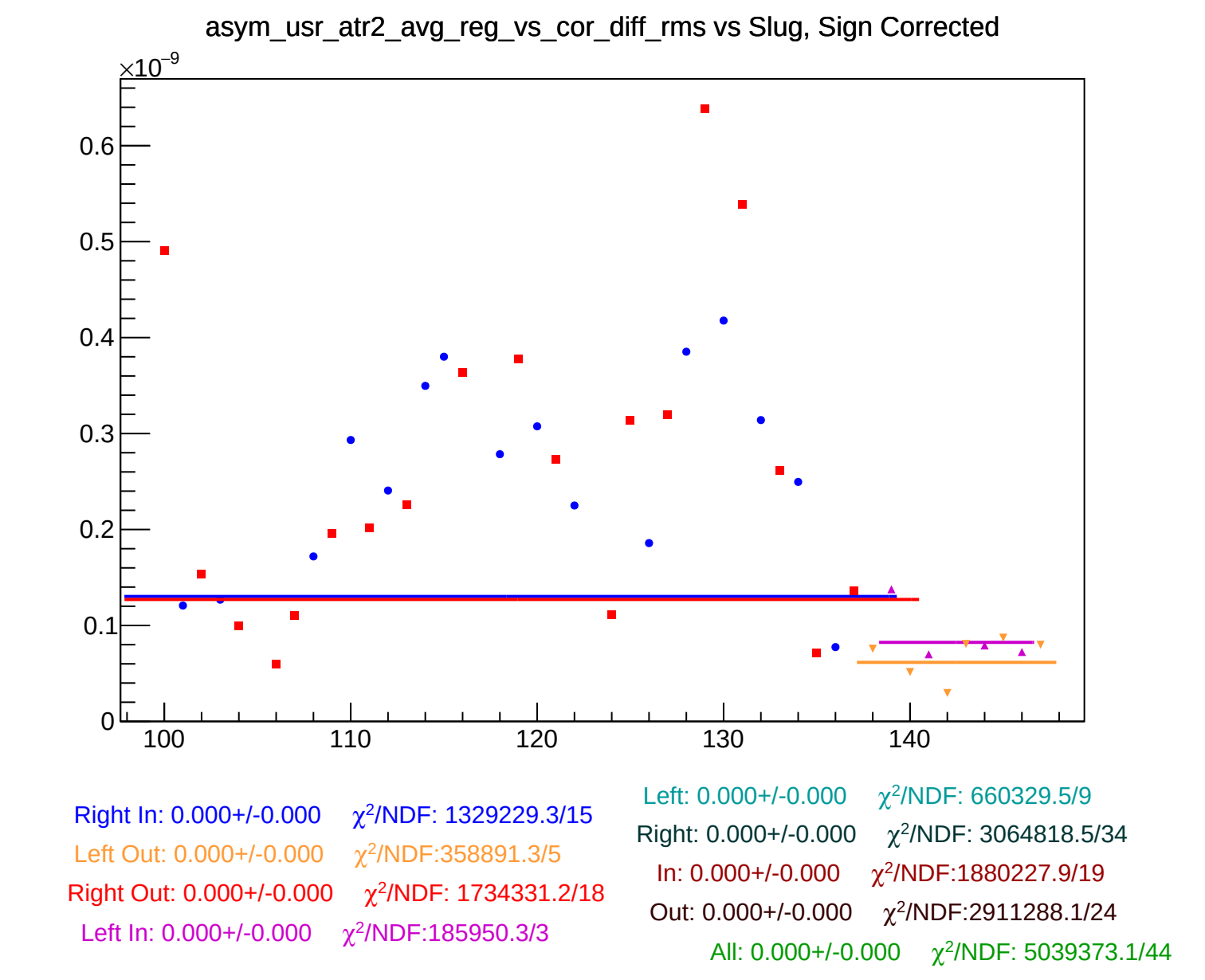
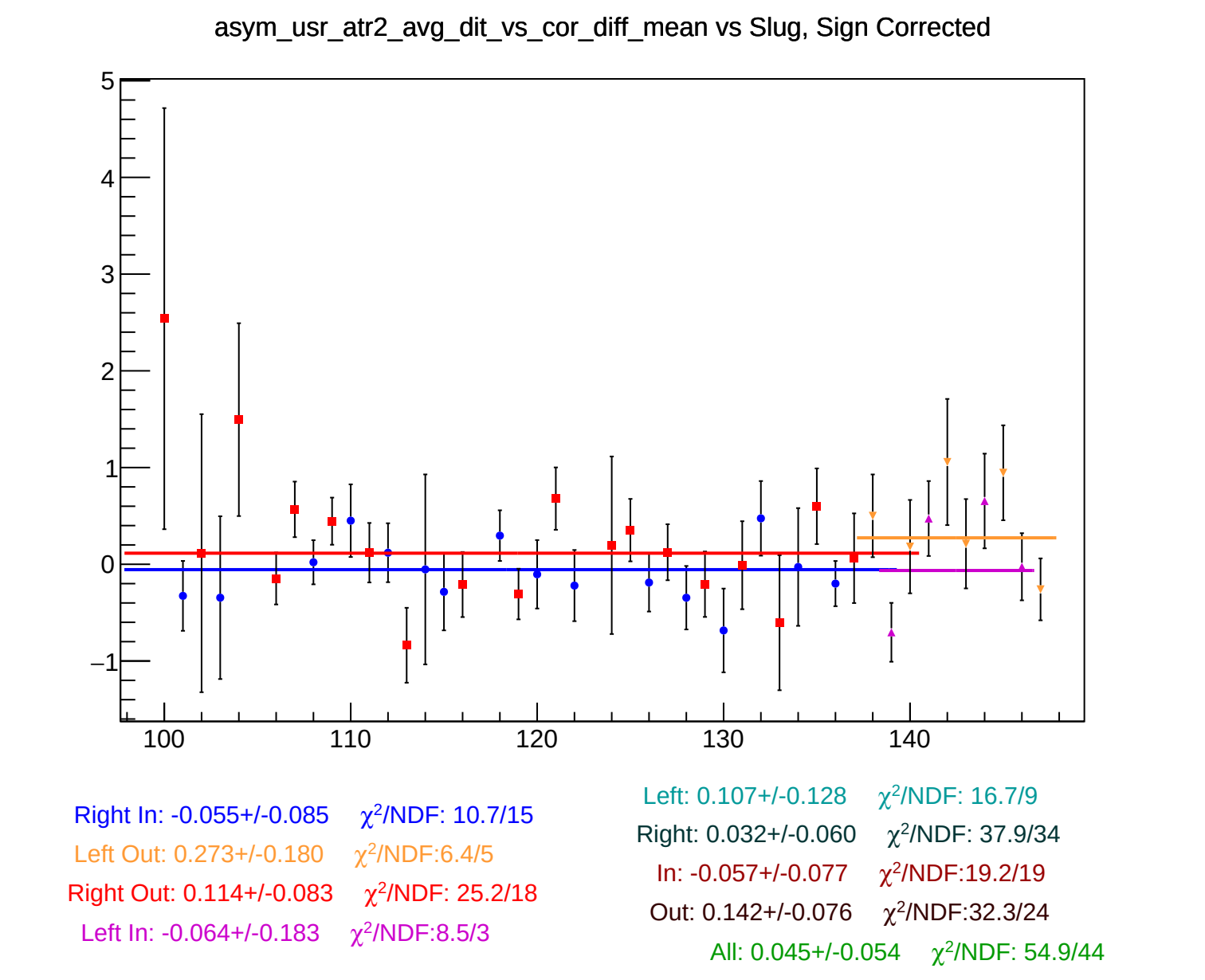
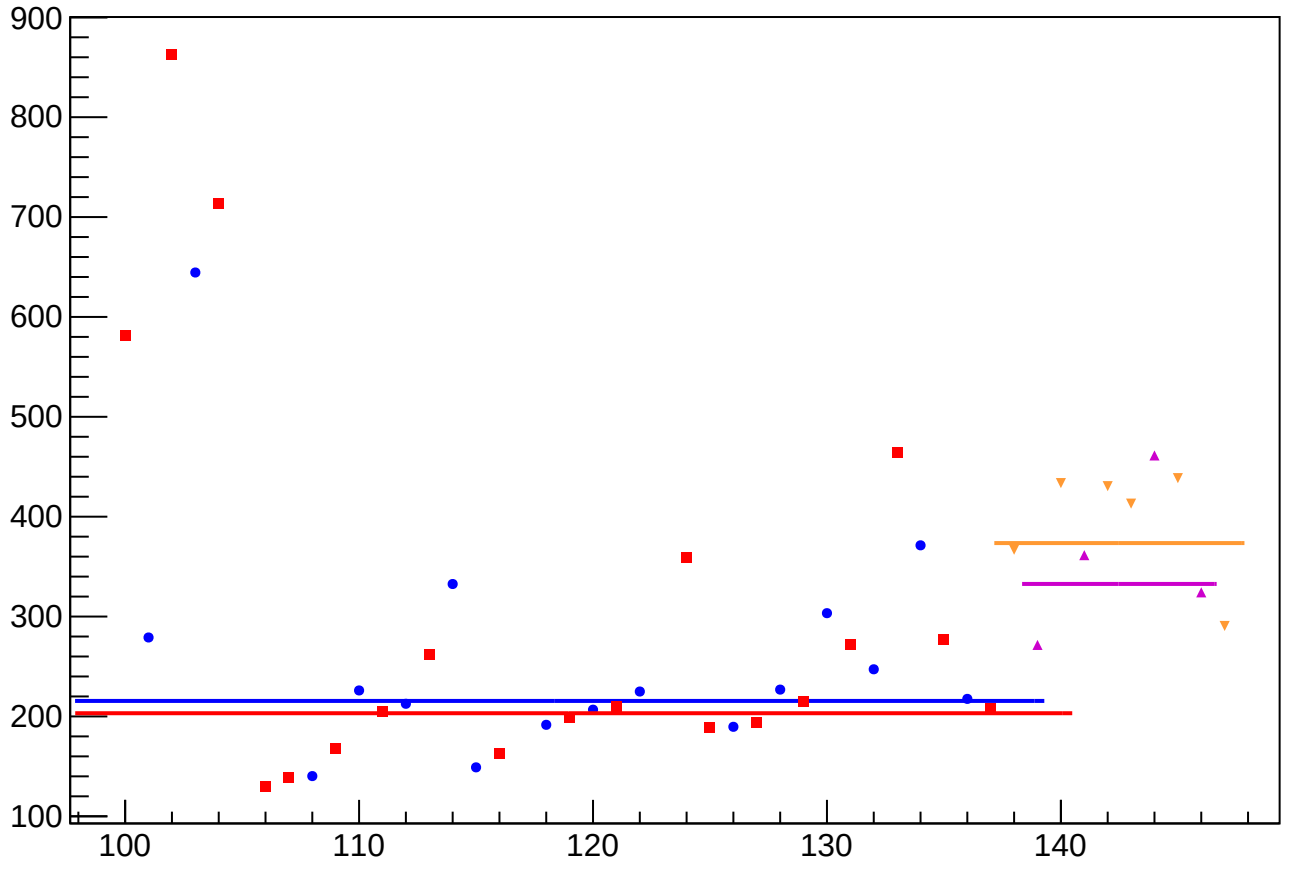
3
2
1
0
−1
−2
−3
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4.7/5
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:4.0/3
Left: -0.000+/-0.000 χ²/NDF: 12.3/9
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:23.4/19
Out: 0.000+/-0.000 χ²/NDF:30.4/24
All: 0.000+/-0.000 χ²/NDF: 57.1/44


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
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:358891.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:185950.3/3
Left: 0.000+/-0.000 χ²/NDF: 660329.5/9
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:1880227.9/19
Out: 0.000+/-0.000 χ²/NDF:2911288.1/24
All: 0.000+/-0.000 χ²/NDF: 5039373.1/44


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
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.273+/-0.180 χ²/NDF:6.4/5
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.064+/-0.183 χ²/NDF:8.5/3
Left: 0.107+/-0.128 χ²/NDF: 16.7/9
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.057+/-0.077 χ²/NDF:19.2/19
Out: 0.142+/-0.076 χ²/NDF:32.3/24
All: 0.045+/-0.054 χ²/NDF: 54.9/44



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 373.574+/-0.128 χ^2/NDF:230844.2/5

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 332.658+/-0.129 χ^2/NDF:230888.5/3

Left: 353.376+/-0.091 χ^2/NDF: 512486.3/9

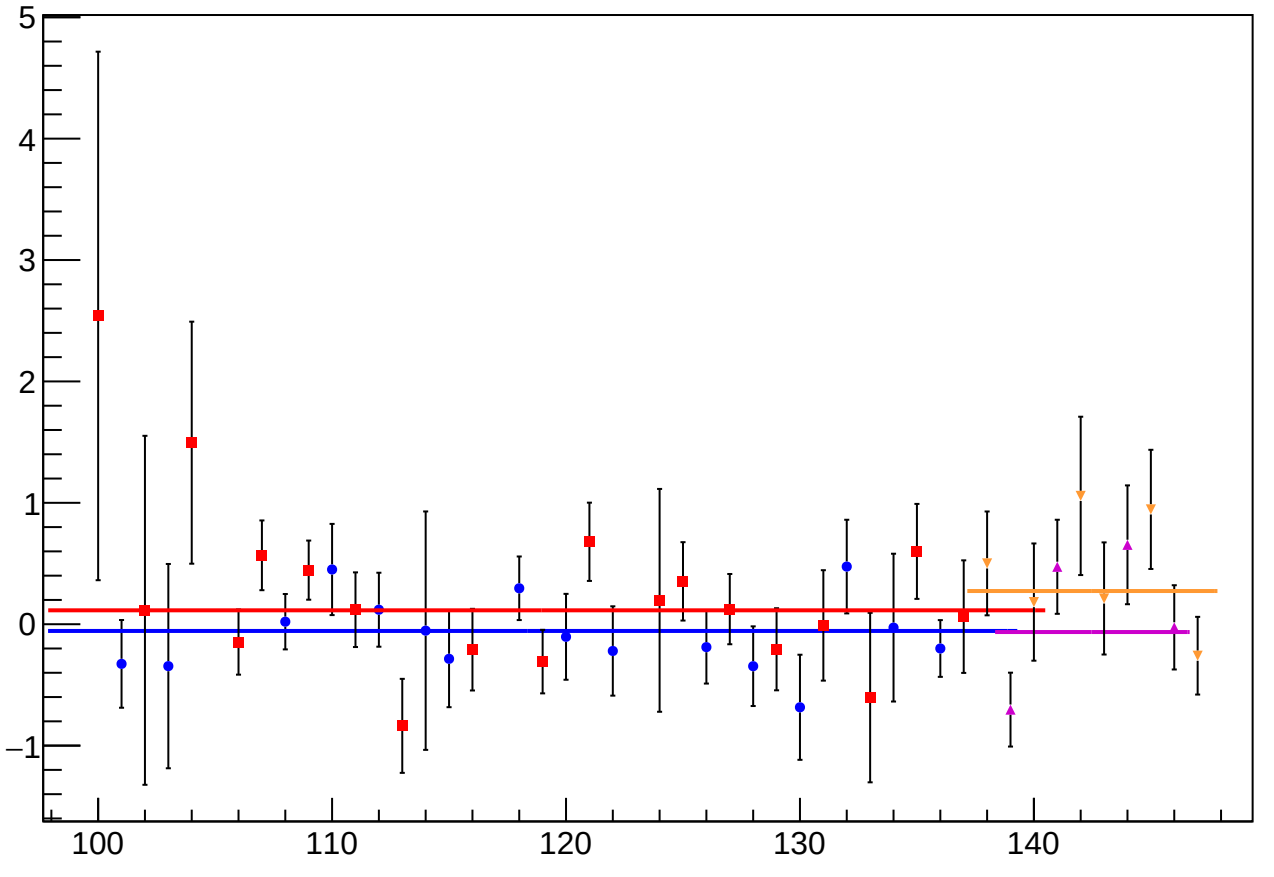
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 236.539+/-0.055 χ^2/NDF:2053724.8/19

Out: 233.082+/-0.053 χ^2/NDF:3536351.2/24

All: 234.768+/-0.038 χ^2/NDF: 5592117.8/44

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.273+/-0.180 χ^2/NDF:6.4/5

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.064+/-0.183 χ^2/NDF:8.5/3

Left: 0.107+/-0.128 χ^2/NDF: 16.7/9

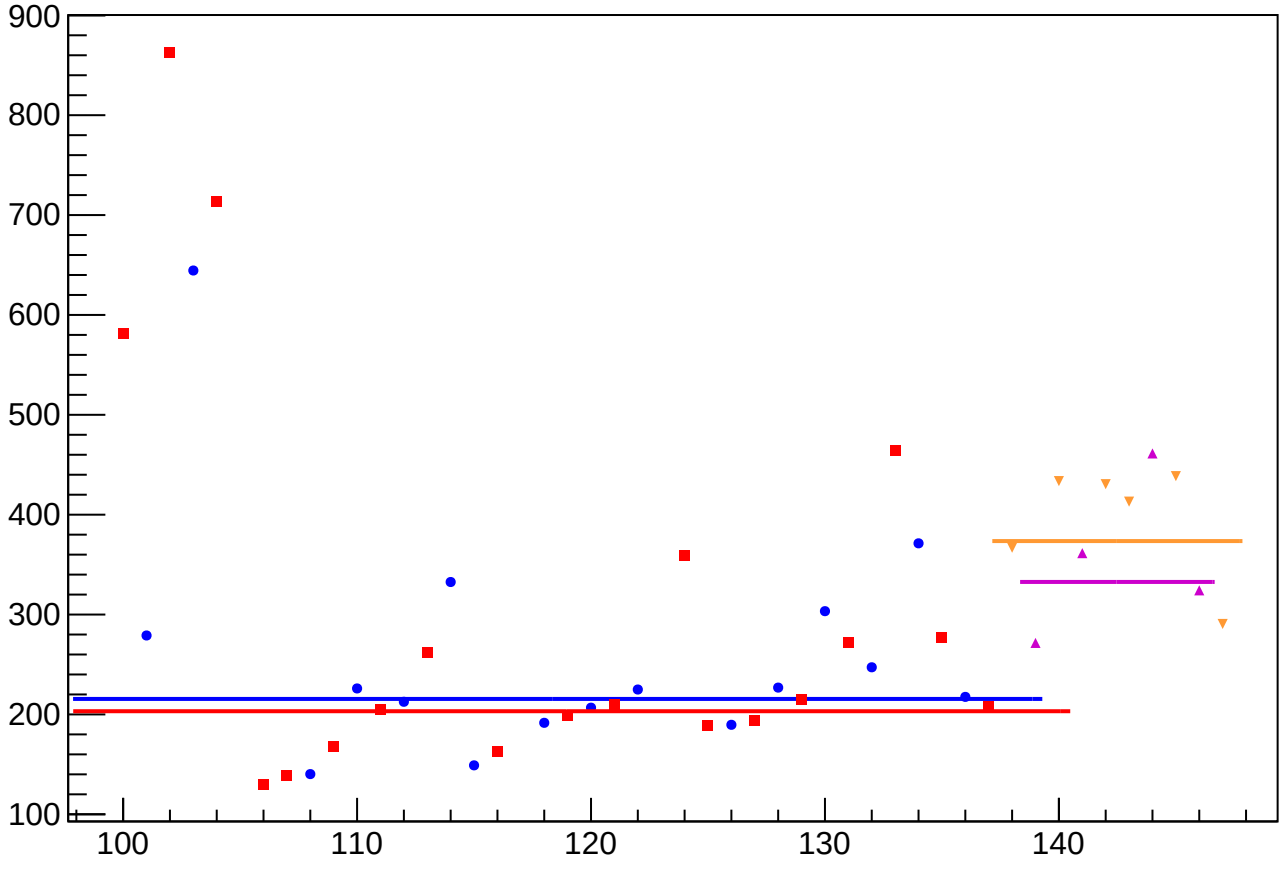
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.057+/-0.077 χ^2/NDF:19.2/19

Out: 0.142+/-0.076 χ^2/NDF:32.3/24

All: 0.045+/-0.054 χ^2/NDF: 54.9/44

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 373.574+/-0.128 χ^2/NDF:230844.2/5

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 332.658+/-0.129 χ^2/NDF:230888.5/3

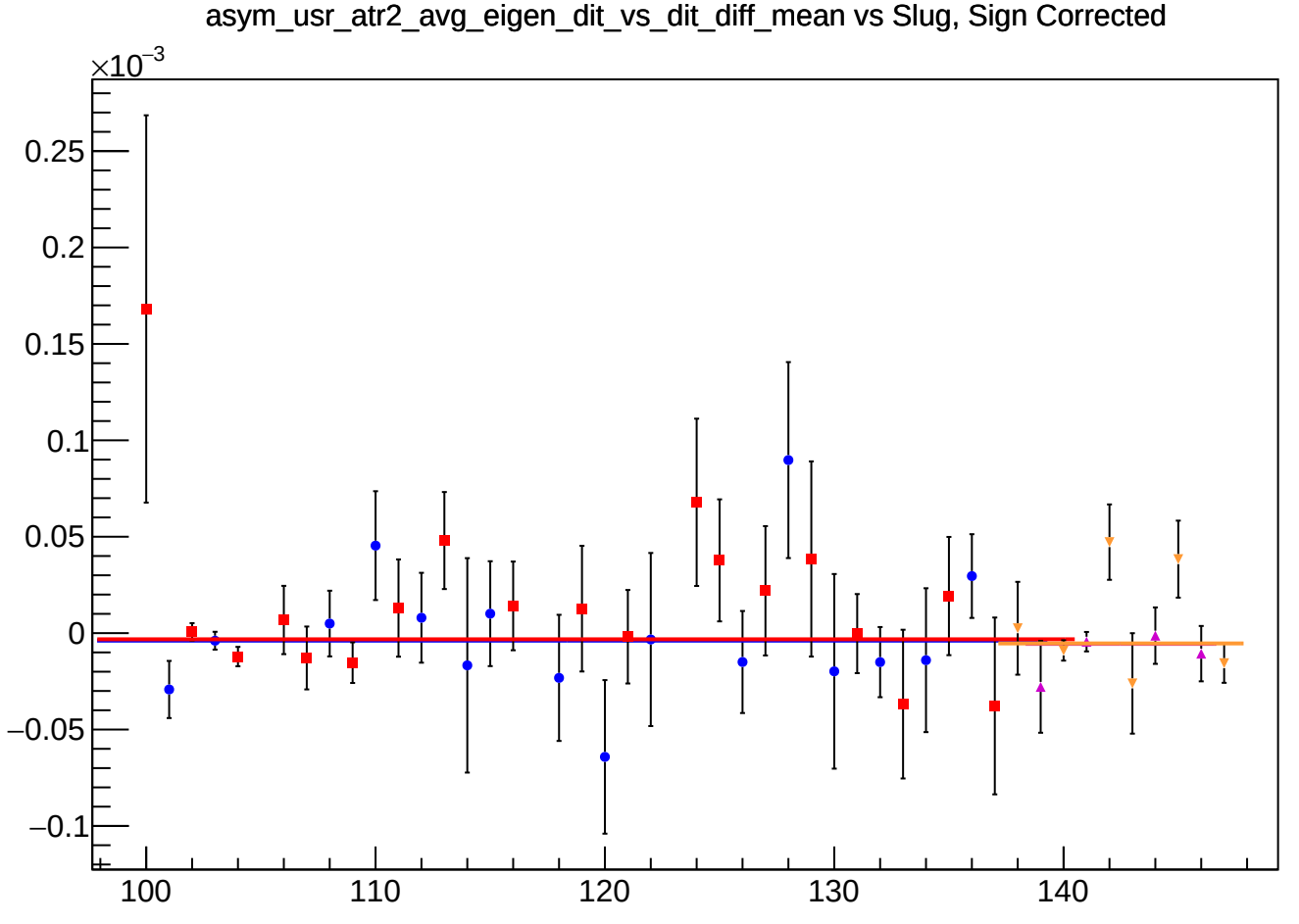
Left: 353.376+/-0.091 χ^2/NDF: 512486.3/9

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 236.539+/-0.055 χ^2/NDF:2053724.8/19

Out: 233.082+/-0.053 χ^2/NDF:3536351.2/24

All: 234.768+/-0.038 χ^2/NDF: 5592117.8/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

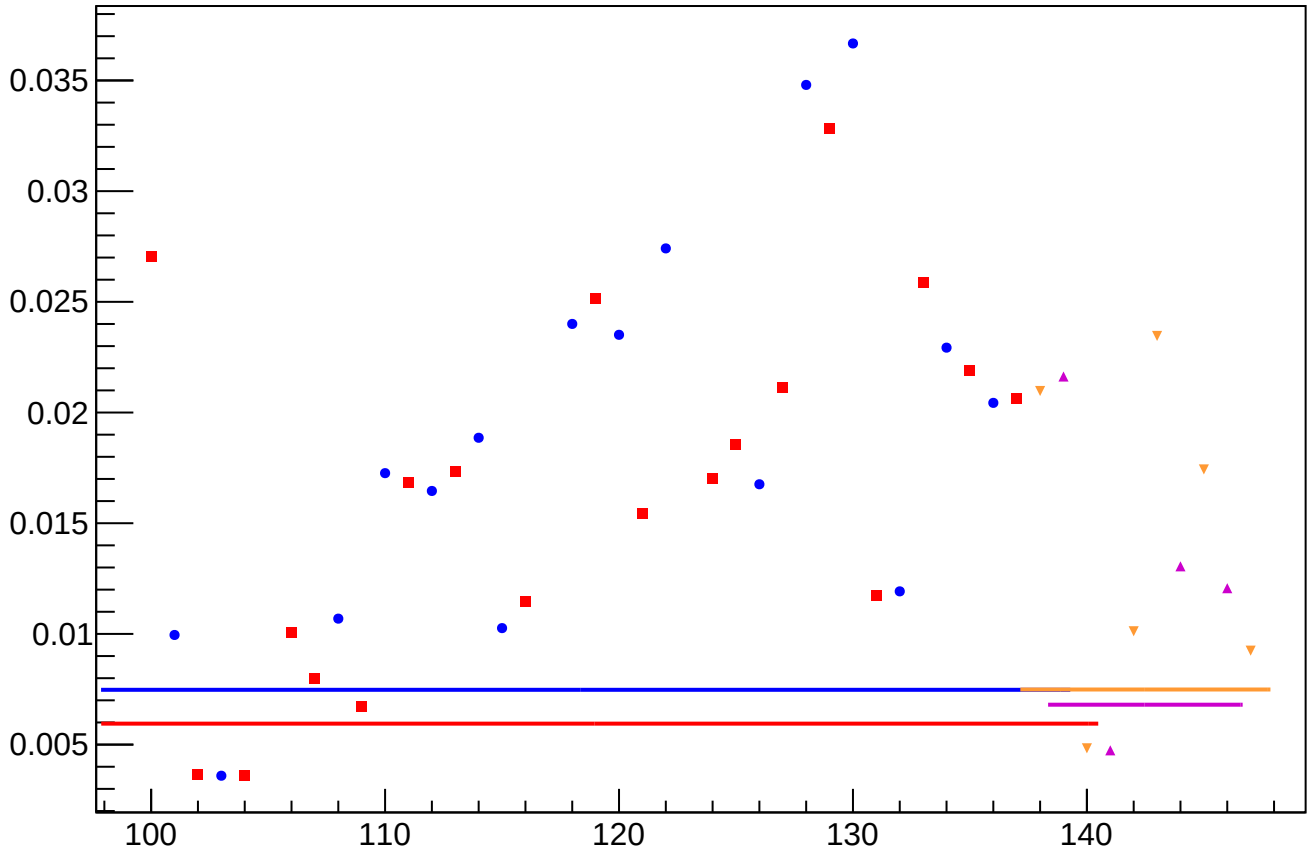
Left: -0.000+/-0.000 χ^2/NDF: 15.4/9

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: -0.000+/-0.000 χ^2/NDF:17.2/19

Out: -0.000+/-0.000 χ^2/NDF:36.1/24

All: -0.000+/-0.000 χ^2/NDF: 53.3/44



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:2478768.7/5

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1743100.3/3

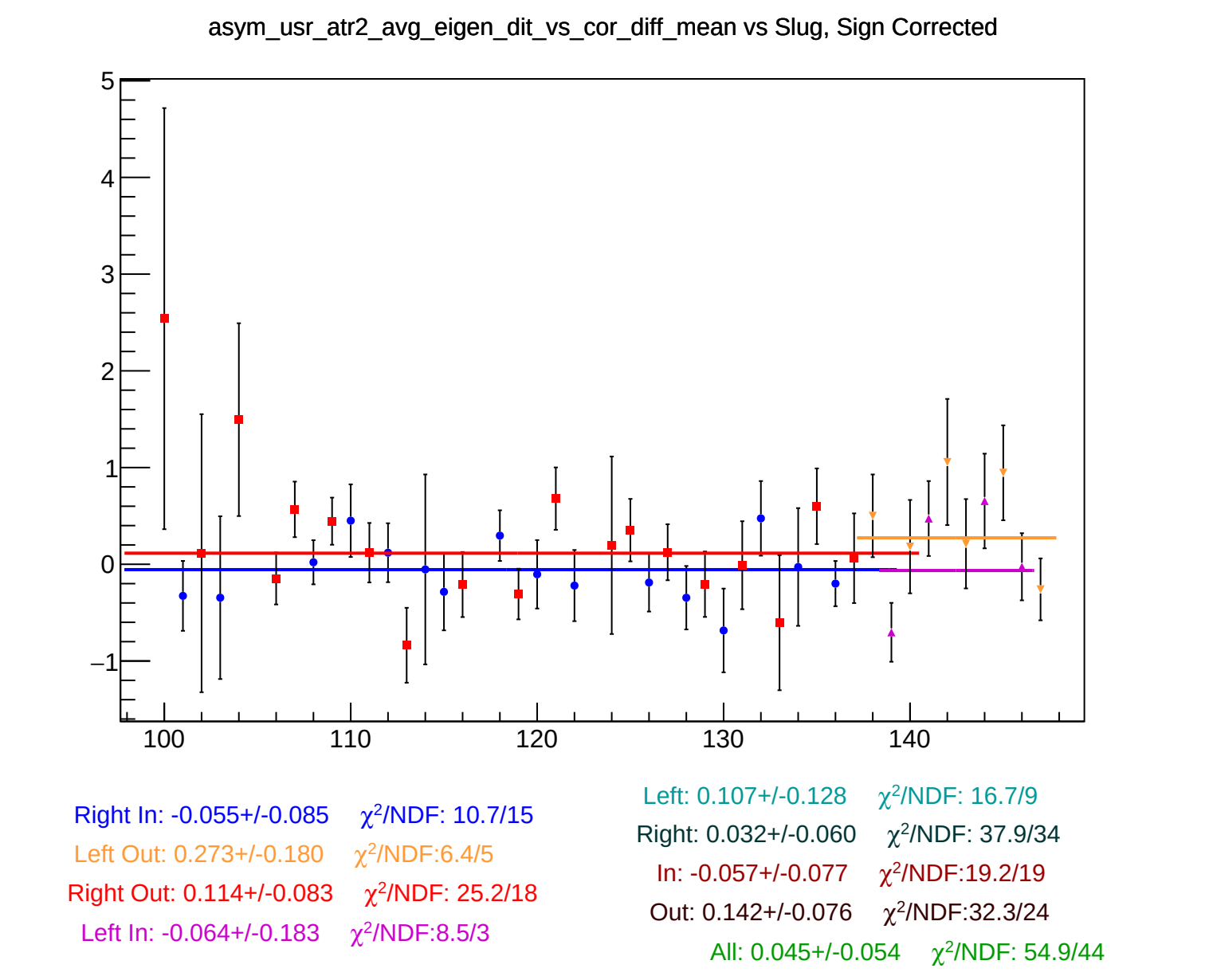
Left: 0.007+/-0.000 χ^2/NDF: 4246477.0/9

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

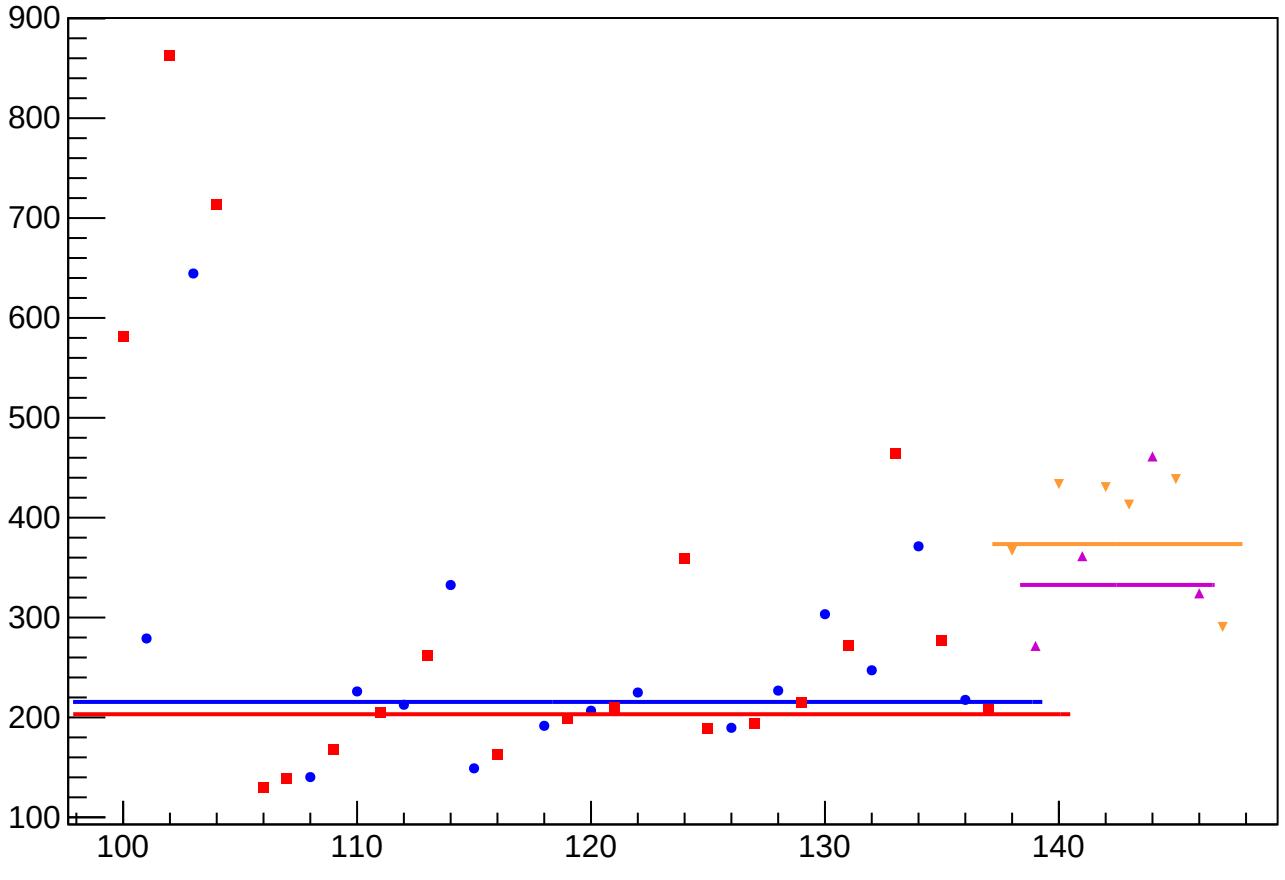
In: 0.007+/-0.000 χ^2/NDF:7845822.8/19

Out: 0.006+/-0.000 χ^2/NDF:8589466.9/24

All: 0.007+/-0.000 χ^2/NDF: 16518263.3/44


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.273+/-0.180 χ²/NDF:6.4/5
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.064+/-0.183 χ²/NDF:8.5/3
Left: 0.107+/-0.128 χ²/NDF: 16.7/9
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.057+/-0.077 χ²/NDF:19.2/19
Out: 0.142+/-0.076 χ²/NDF:32.3/24
All: 0.045+/-0.054 χ²/NDF: 54.9/44

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: 373.579+/-0.128 χ^2/NDF:230836.5/5

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 332.662+/-0.129 χ^2/NDF:230879.2/3

Left: 353.381+/-0.091 χ^2/NDF: 512469.1/9

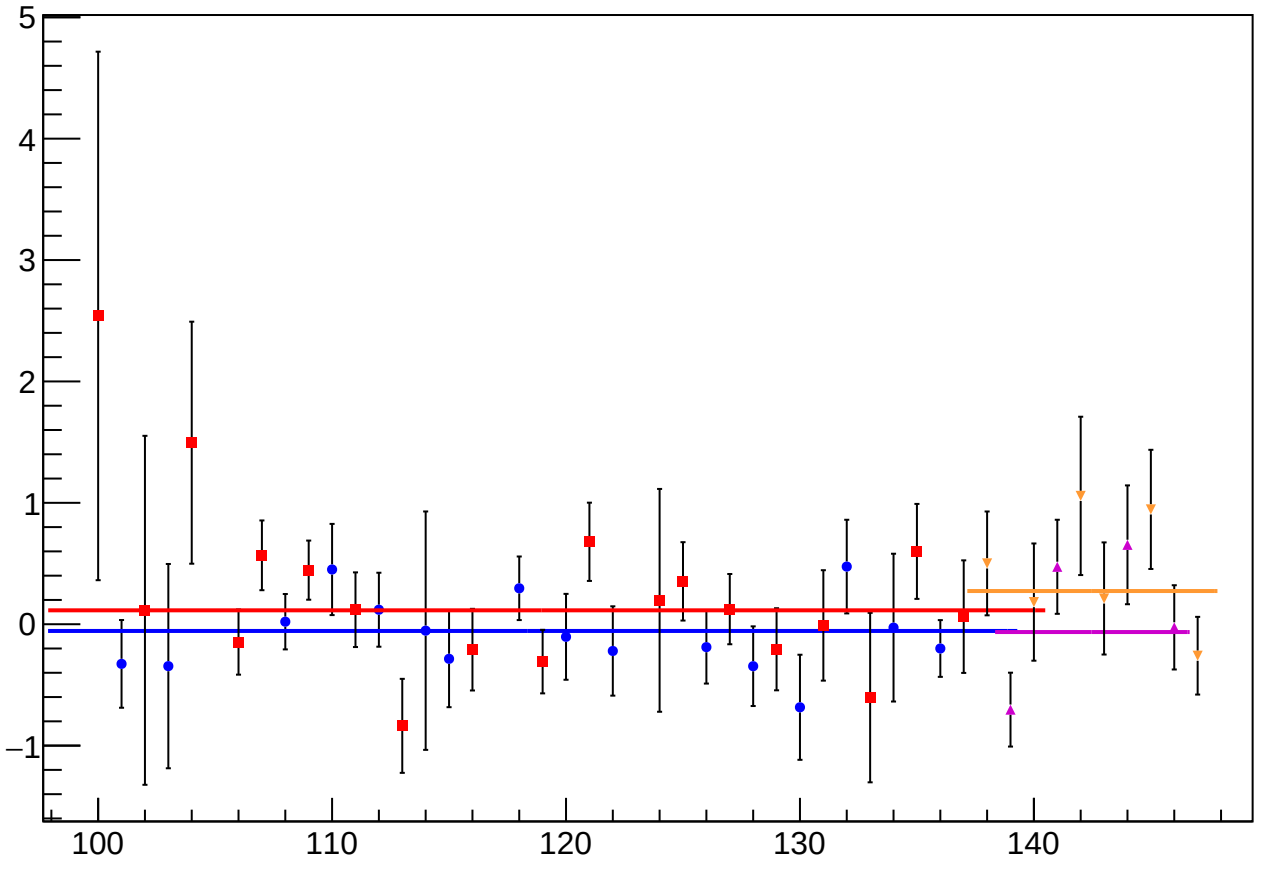
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 236.538+/-0.055 χ^2/NDF:2053742.6/19

Out: 233.080+/-0.053 χ^2/NDF:3536411.2/24

All: 234.767+/-0.038 χ^2/NDF: 5592196.3/44

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: 0.273+/-0.180 χ^2/NDF:6.4/5

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.064+/-0.183 χ^2/NDF:8.5/3

Left: 0.107+/-0.128 χ^2/NDF: 16.7/9

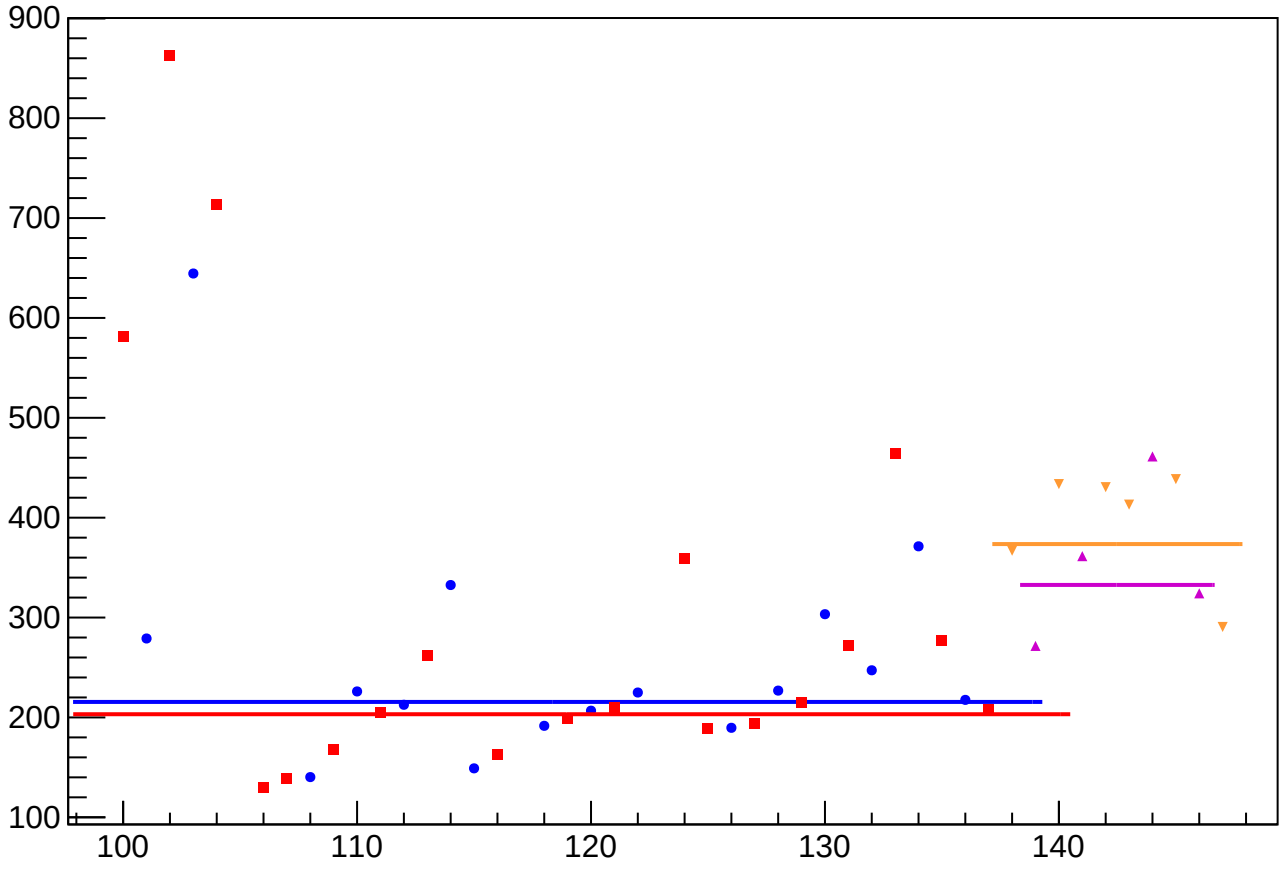
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.057+/-0.077 χ^2/NDF:19.2/19

Out: 0.142+/-0.076 χ^2/NDF:32.3/24

All: 0.045+/-0.054 χ^2/NDF: 54.9/44

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: 373.579+/-0.128 χ^2/NDF:230836.5/5

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 332.662+/-0.129 χ^2/NDF:230879.2/3

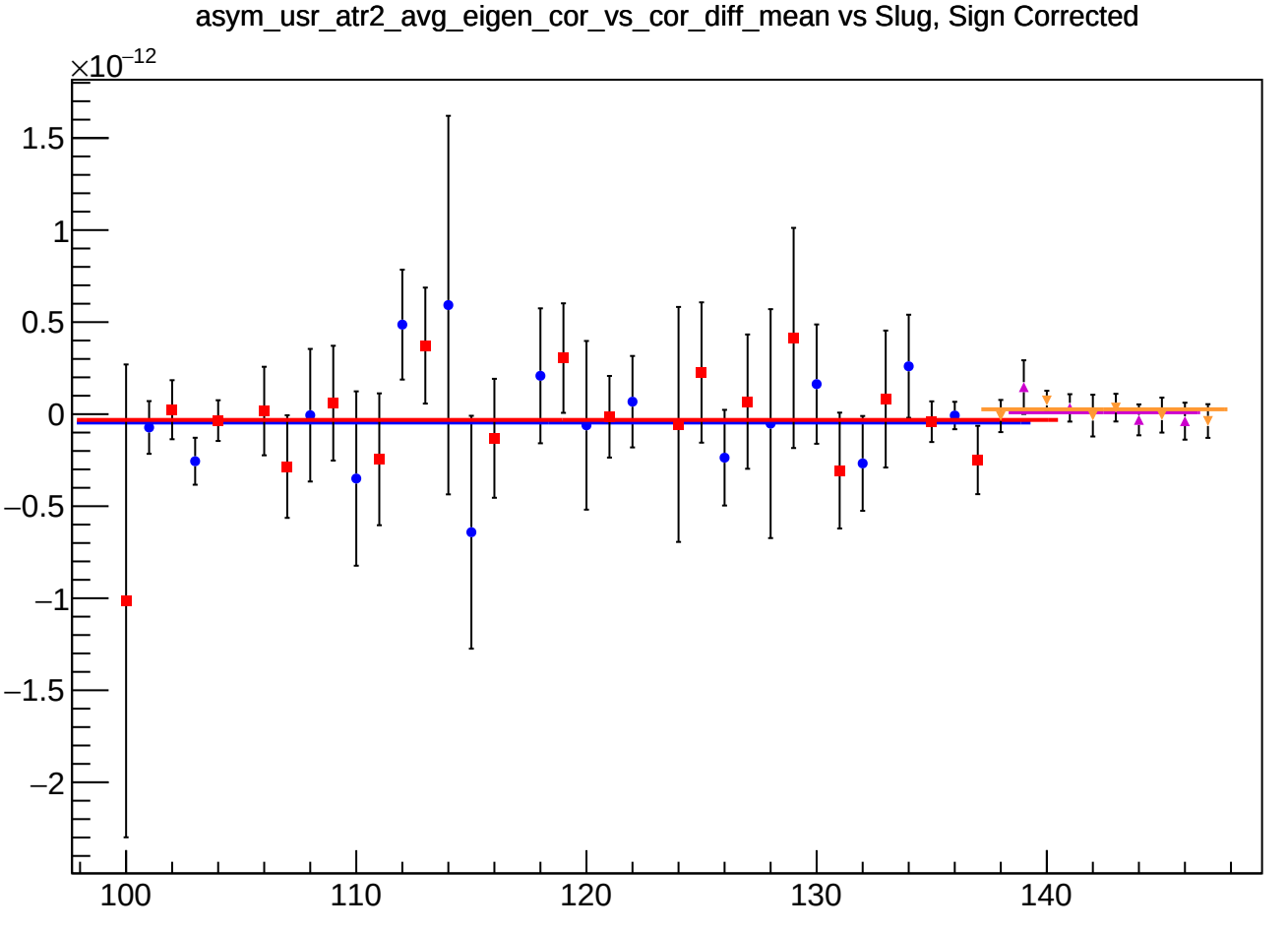
Left: 353.381+/-0.091 χ^2/NDF: 512469.1/9

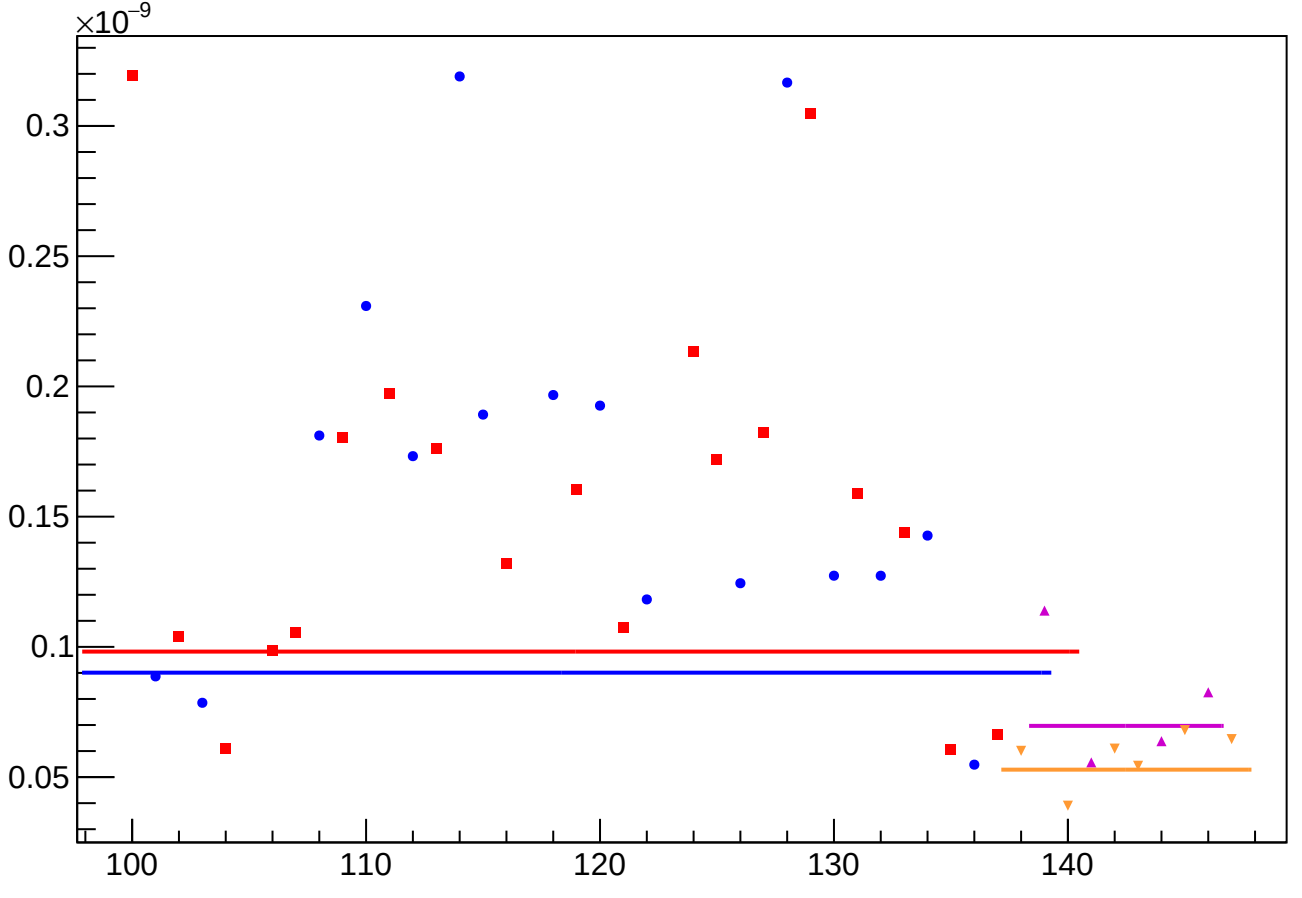
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 236.538+/-0.055 χ^2/NDF:2053742.6/19

Out: 233.080+/-0.053 χ^2/NDF:3536411.2/24

All: 234.767+/-0.038 χ^2/NDF: 5592196.3/44


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 11.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1.7/5
Right Out: -0.000+/-0.000 χ²/NDF: 8.4/18
Left In: 0.000+/-0.000 χ²/NDF:1.5/3
Left: 0.000+/-0.000 χ²/NDF: 3.2/9
Right: -0.000+/-0.000 χ²/NDF: 19.9/34
In: -0.000+/-0.000 χ²/NDF:13.6/19
Out: 0.000+/-0.000 χ²/NDF:10.9/24
All: 0.000+/-0.000 χ²/NDF: 24.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:244414.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:298431.5/3

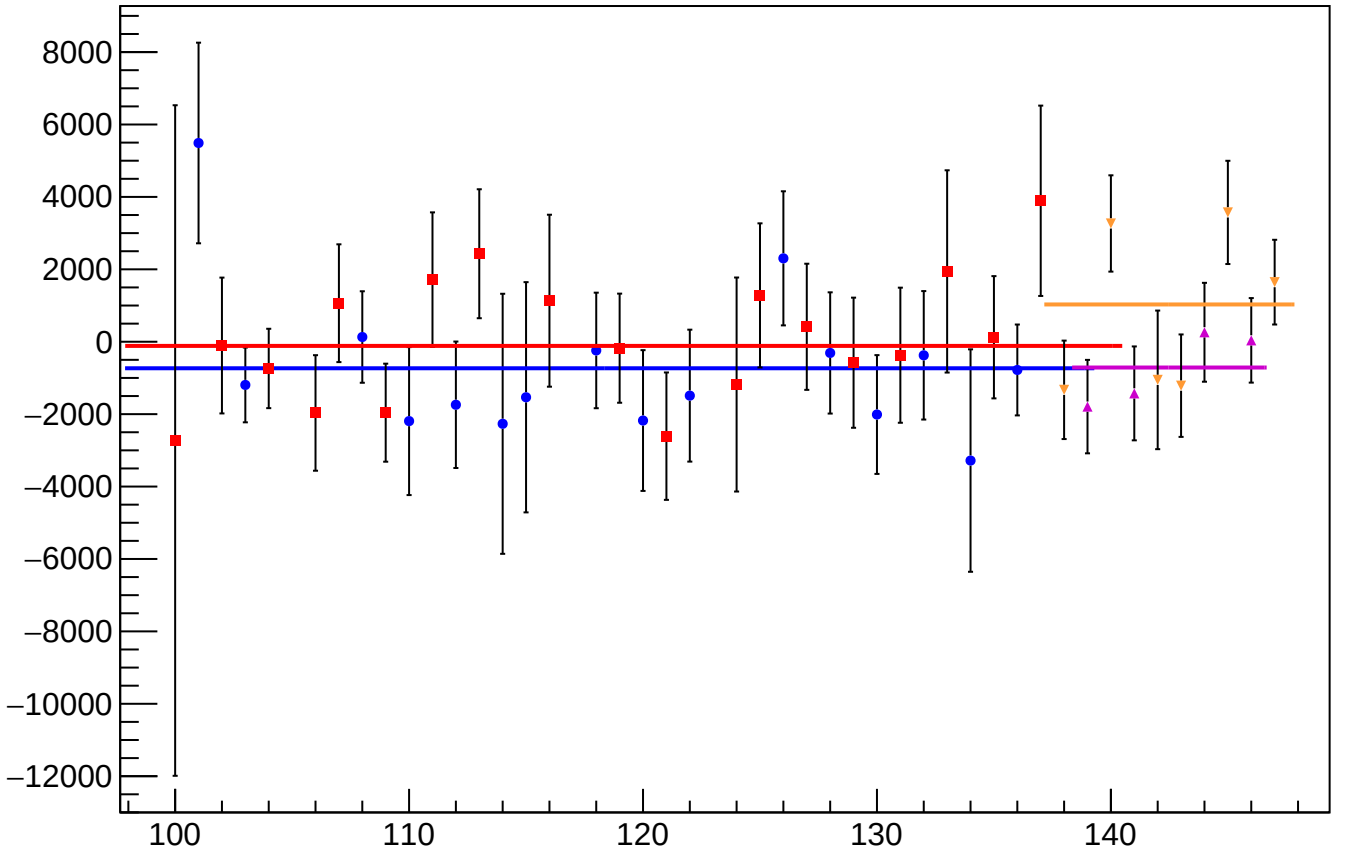
Left: 0.000+/-0.000 χ^2/NDF: 721413.2/9

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:2286704.6/19

Out: 0.000+/-0.000 χ^2/NDF:3037048.1/24

All: 0.000+/-0.000 χ^2/NDF: 5522889.6/44



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1029.797+/-567.828 χ^2/NDF:13.0/5

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -712.311+/-636.971 χ^2/NDF:1.9/3

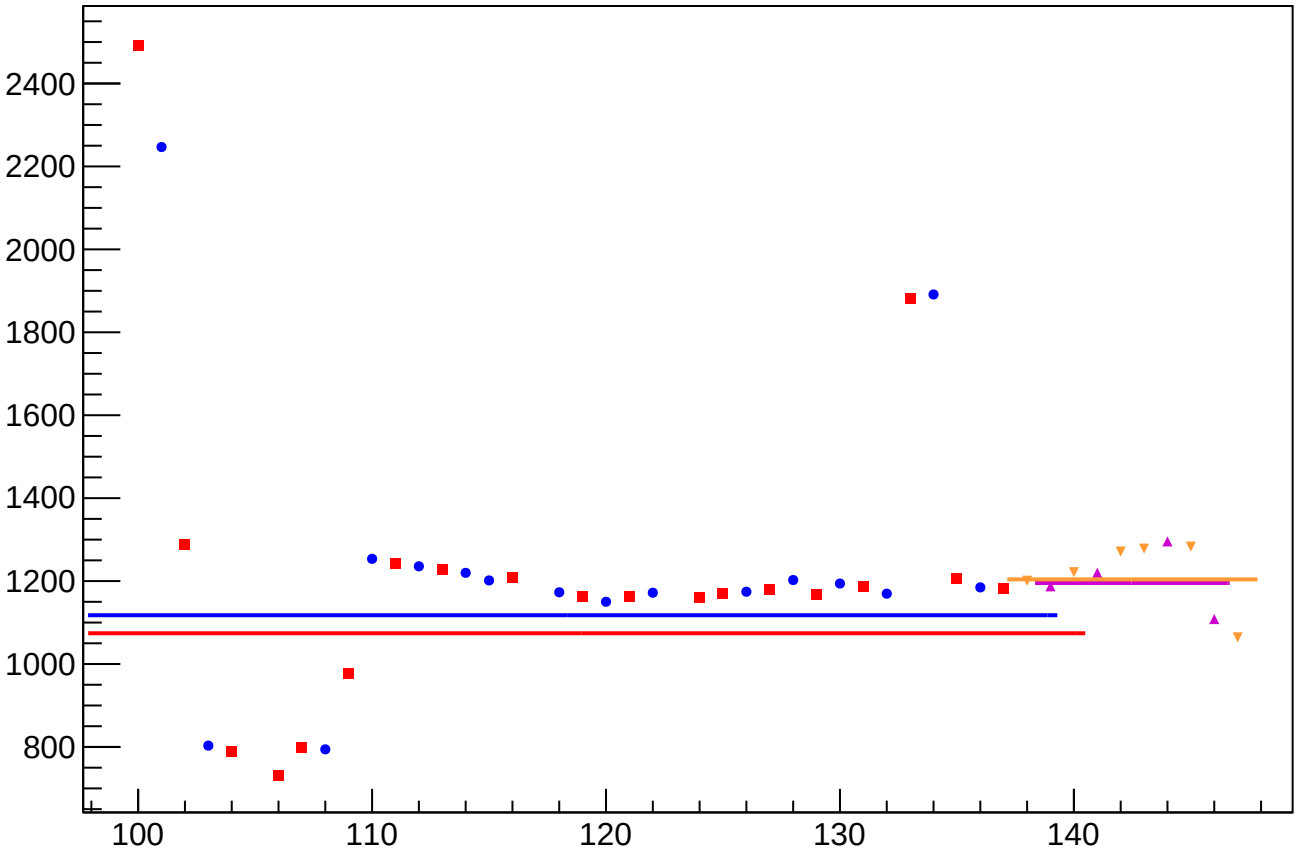
Left: 258.393+/-423.861 χ^2/NDF: 19.1/9

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -726.403+/-354.900 χ^2/NDF:13.6/19

Out: 279.092+/-333.170 χ^2/NDF:28.8/24

All: -191.933+/-242.906 χ^2/NDF: 46.7/44



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1204.115+/-0.402 χ^2/NDF:43028.4/5

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

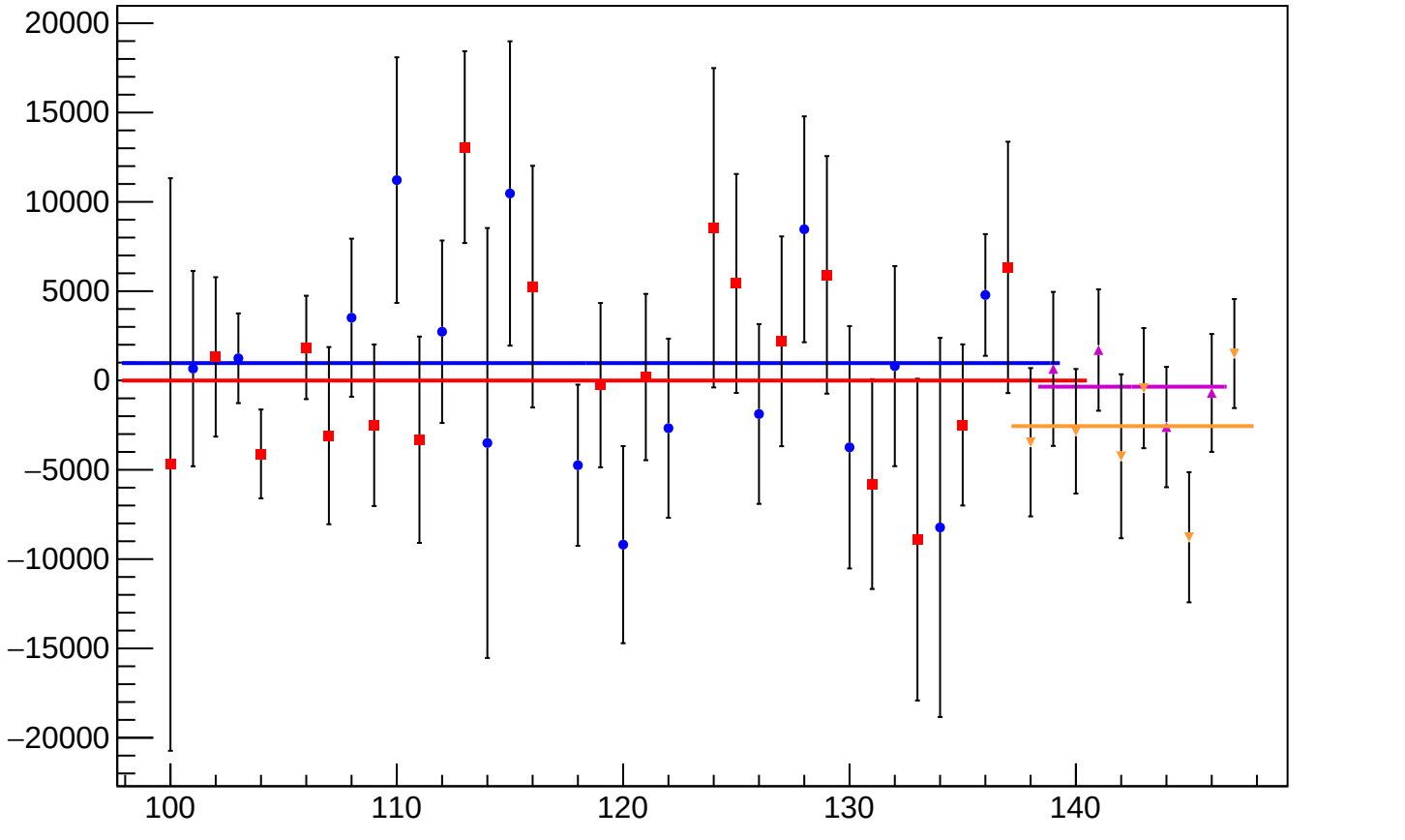
Left: 1200.244+/-0.300 χ^2/NDF: 65937.8/9

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1141.801+/-0.251 χ^2/NDF:863050.1/19

Out: 1118.405+/-0.234 χ^2/NDF:761633.9/24

All: 1129.301+/-0.171 χ^2/NDF: 1629327.7/44



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -2557.230+/-1476.158 χ^2/NDF:5.3/5

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -348.005+/-1766.903 χ^2/NDF:0.9/3

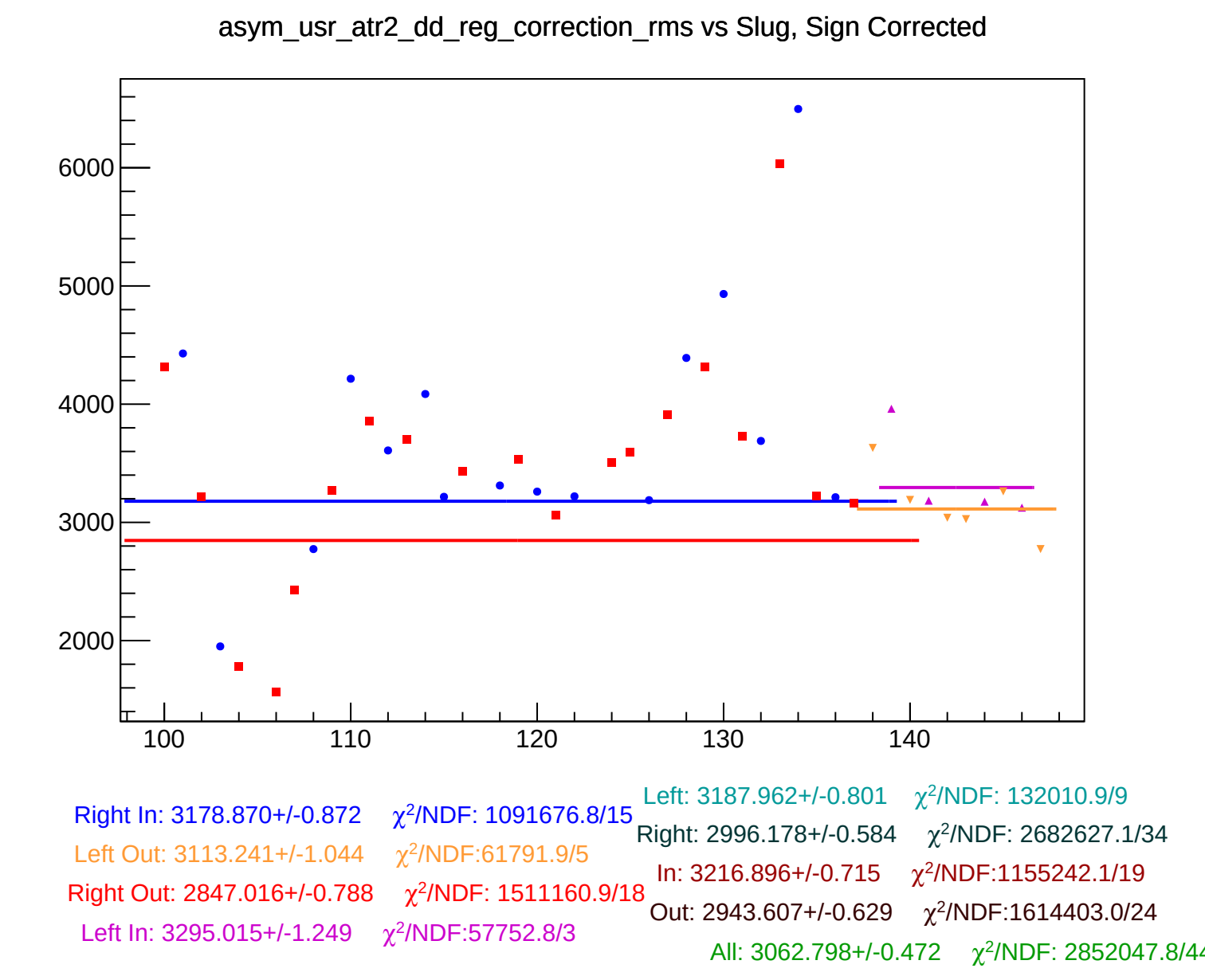
Left: -1649.099+/-1132.836 χ^2/NDF: 7.1/9

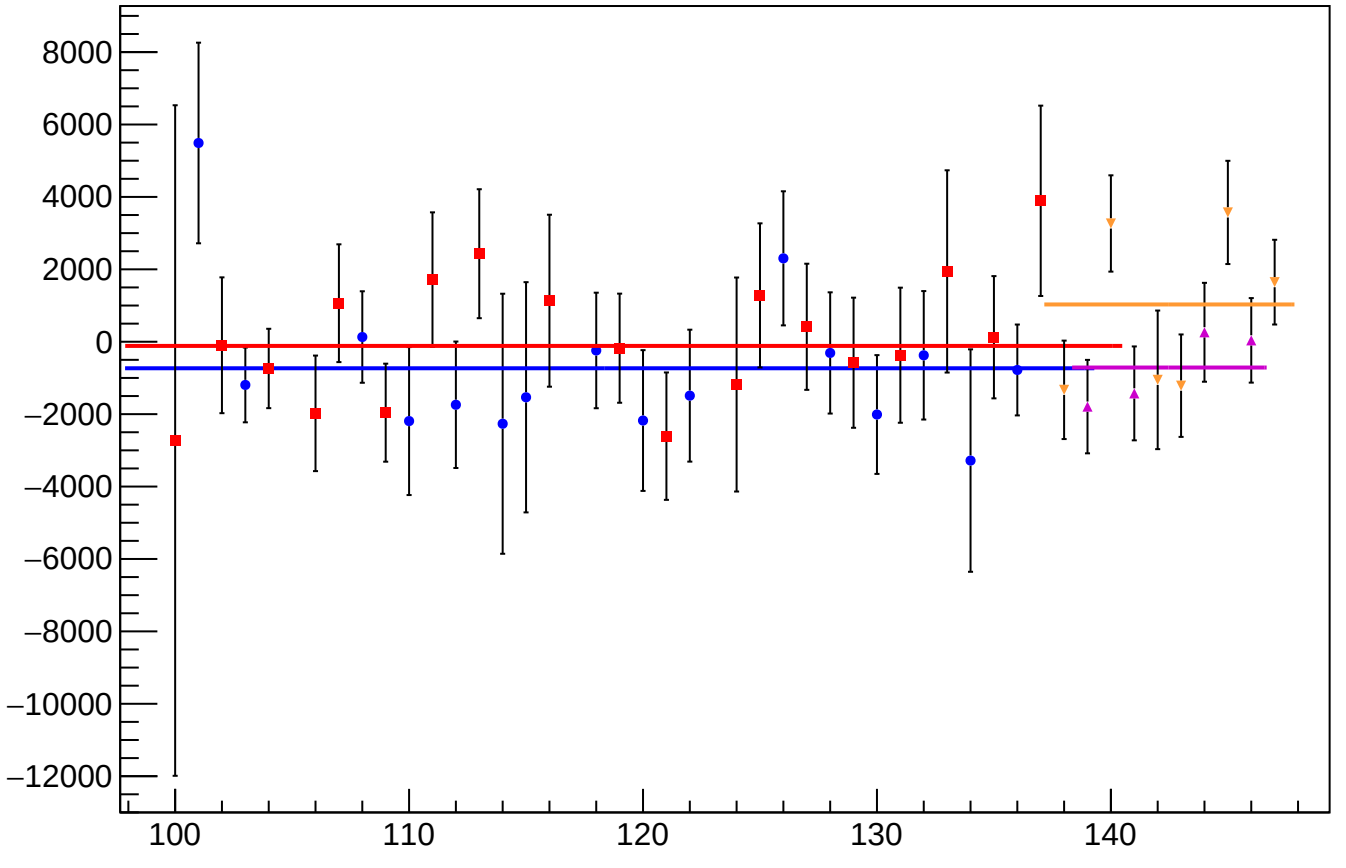
Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 541.007+/-1011.006 χ^2/NDF:15.1/19

Out: -929.646+/-889.154 χ^2/NDF:23.7/24

All: -288.242+/-667.674 χ^2/NDF: 40.0/44


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
Right In: 3178.870+/-0.872 χ²/NDF: 1091676.8/15
Left Out: 3113.241+/-1.044 χ²/NDF:61791.9/5
Right Out: 2847.016+/-0.788 χ²/NDF: 1511160.9/18
Left In: 3295.015+/-1.249 χ²/NDF:57752.8/3
Left: 3187.962+/-0.801 χ²/NDF: 132010.9/9
Right: 2996.178+/-0.584 χ²/NDF: 2682627.1/34
In: 3216.896+/-0.715 χ²/NDF:1155242.1/19
Out: 2943.607+/-0.629 χ²/NDF:1614403.0/24
All: 3062.798+/-0.472 χ²/NDF: 2852047.8/44



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1029.794+/-567.828 χ^2/NDF:13.0/5

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -712.429+/-636.971 χ^2/NDF:1.9/3

Left: 258.339+/-423.861 χ^2/NDF: 19.1/9

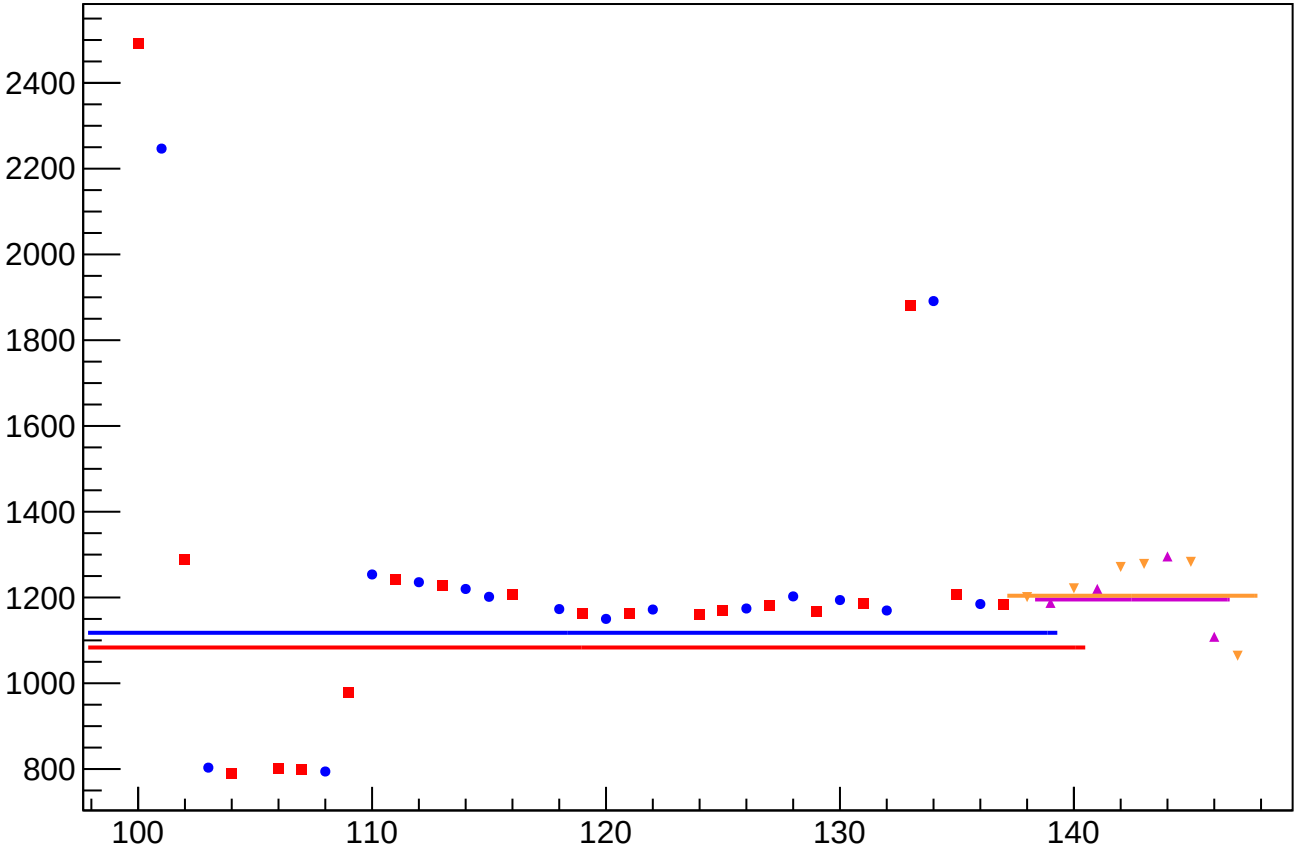
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -726.395+/-354.900 χ^2/NDF:13.6/19

Out: 278.921+/-333.173 χ^2/NDF:28.8/24

All: -192.023+/-242.907 χ^2/NDF: 46.7/44

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1204.115+/-0.402 χ^2/NDF:43028.4/5

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

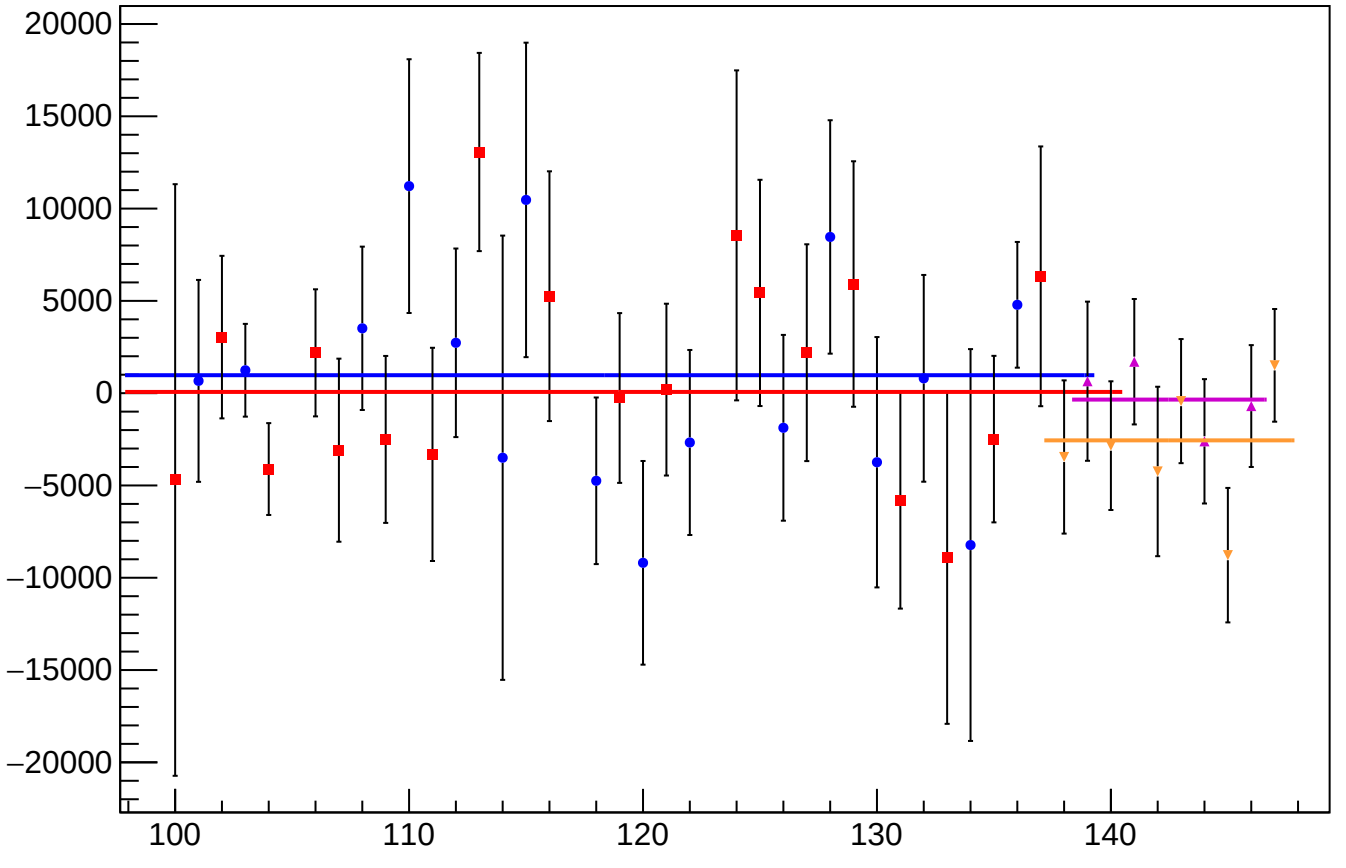
Left: 1200.244+/-0.300 χ^2/NDF: 65937.8/9

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1141.802+/-0.251 χ^2/NDF:863046.3/19

Out: 1124.868+/-0.235 χ^2/NDF:697373.7/24

All: 1132.790+/-0.172 χ^2/NDF: 1562843.3/44



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2557.169+/-1476.154 χ^2/NDF:5.3/5

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -348.043+/-1766.902 χ^2/NDF:0.9/3

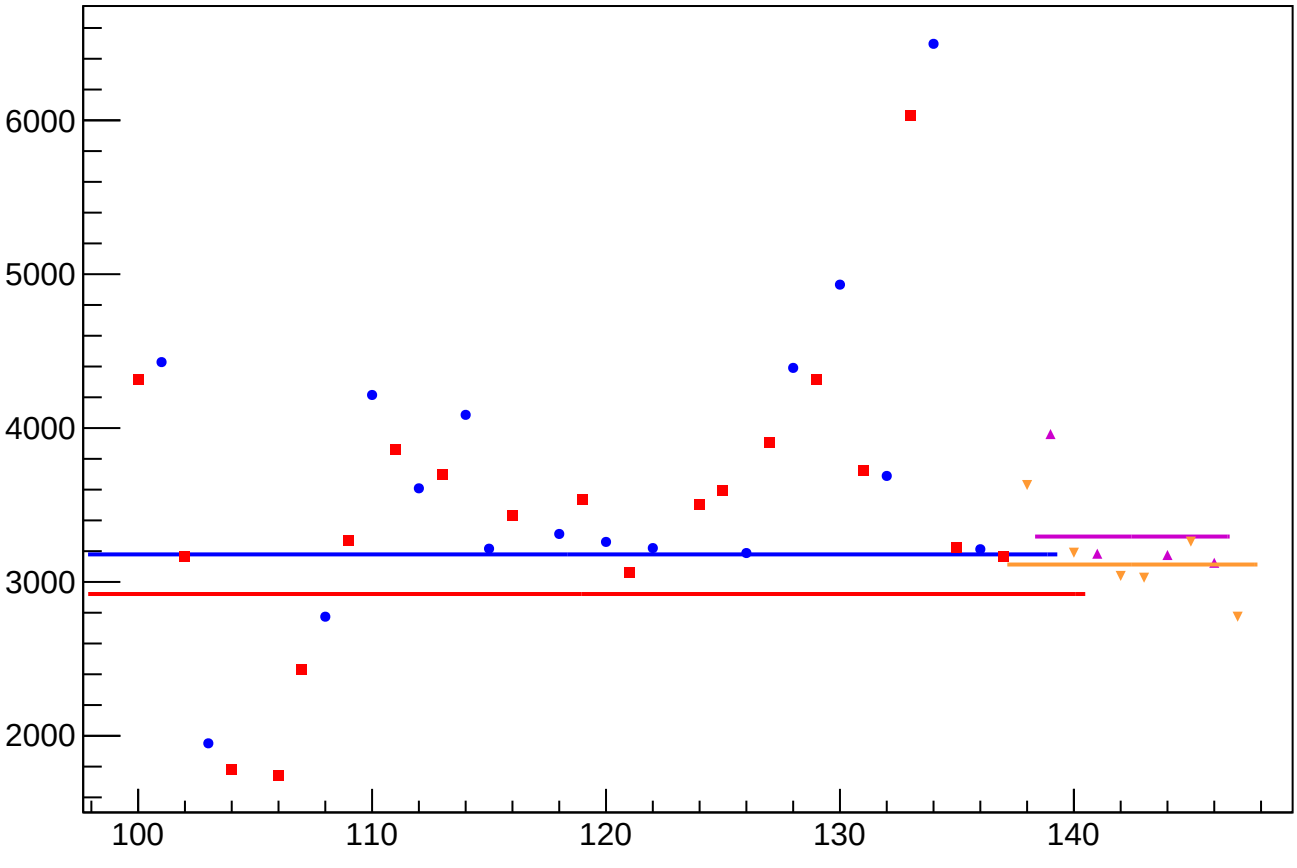
Left: -1649.081+/-1132.834 χ^2/NDF: 7.1/9

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 540.636+/-1011.033 χ^2/NDF:15.1/19

Out: -911.034+/-901.215 χ^2/NDF:24.2/24

All: -268.293+/-672.744 χ^2/NDF: 40.4/44



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3113.232+/-1.044 χ^2/NDF:61791.6/5

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3295.012+/-1.249 χ^2/NDF:57752.9/3

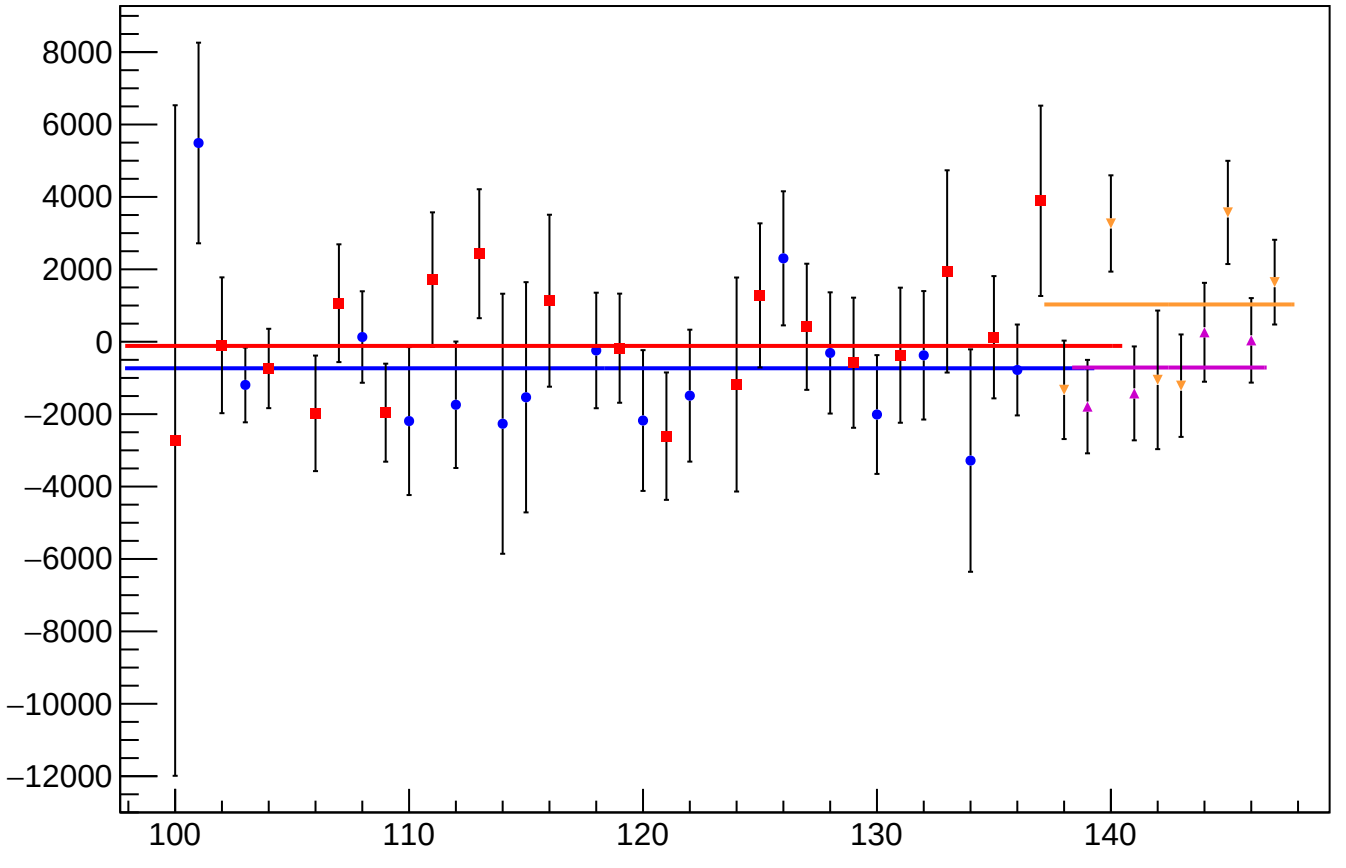
Left: 3187.955+/-0.801 χ^2/NDF: 132011.7/9

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3217.021+/-0.715 χ^2/NDF:1154783.1/19

Out: 2993.053+/-0.637 χ^2/NDF:1395815.3/24

All: 3092.217+/-0.476 χ^2/NDF: 2605289.4/44



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1029.794+/-567.828 χ^2/NDF:13.0/5

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -712.429+/-636.971 χ^2/NDF:1.9/3

Left: 258.339+/-423.861 χ^2/NDF: 19.1/9

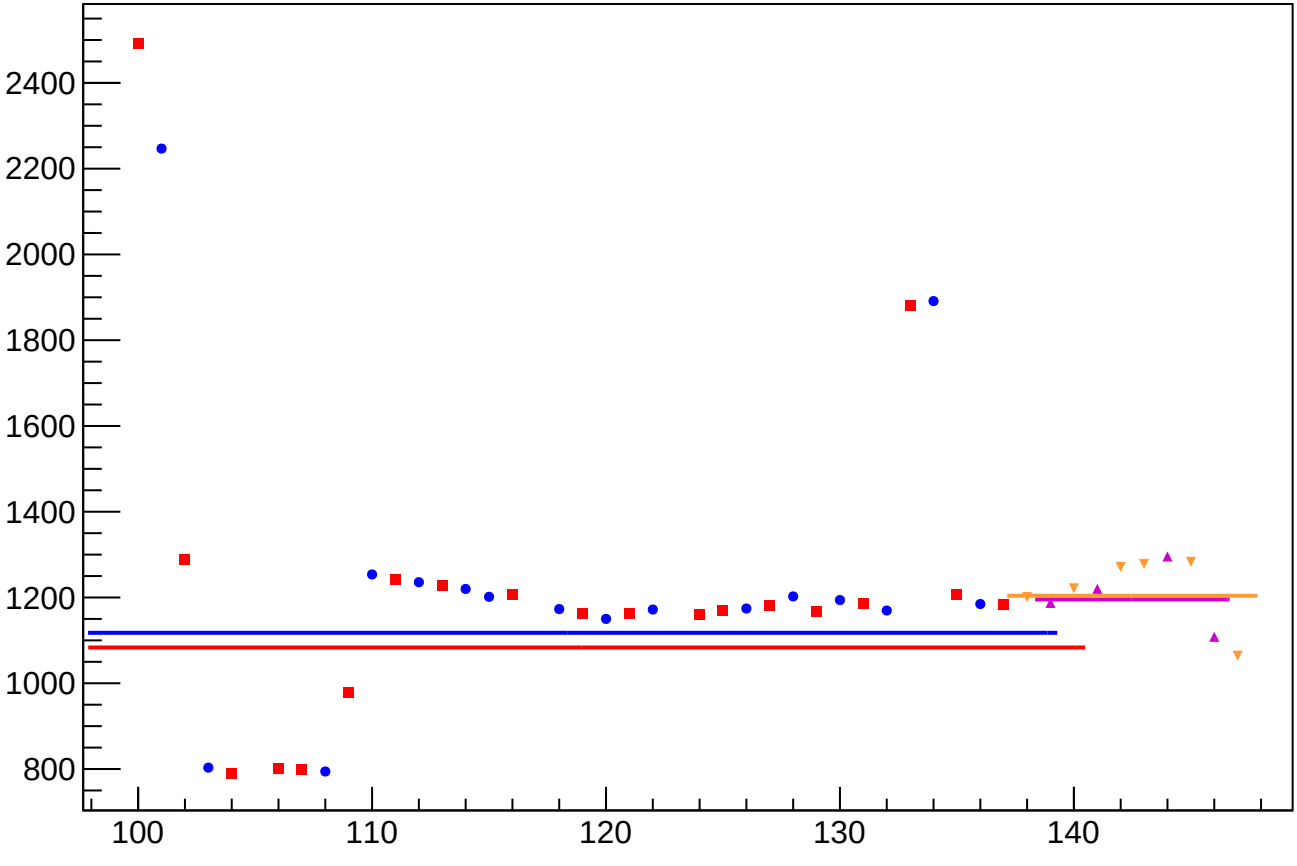
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -726.395+/-354.900 χ^2/NDF:13.6/19

Out: 278.921+/-333.173 χ^2/NDF:28.8/24

All: -192.023+/-242.907 χ^2/NDF: 46.7/44

eigen_cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1204.115+/-0.402 χ^2/NDF:43028.4/5

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1195.373+/-0.450 χ^2/NDF:22699.4/3

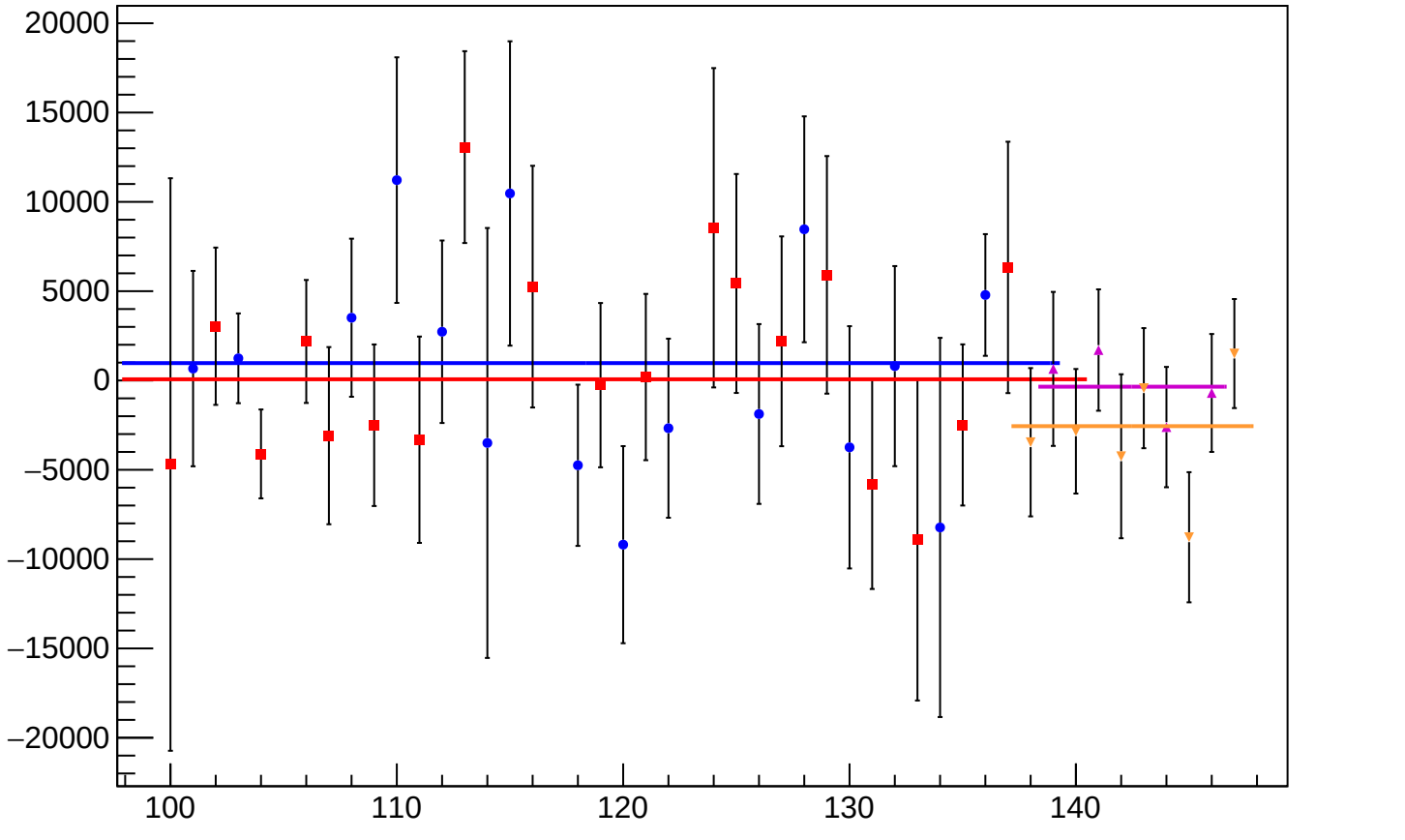
Left: 1200.244+/-0.300 χ^2/NDF: 65937.8/9

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1141.802+/-0.251 χ^2/NDF:863046.3/19

Out: 1124.868+/-0.235 χ^2/NDF:697373.7/24

All: 1132.790+/-0.172 χ^2/NDF: 1562843.3/44



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -2557.169+/-1476.154 χ^2/NDF:5.3/5

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -348.043+/-1766.902 χ^2/NDF:0.9/3

Left: -1649.081+/-1132.834 χ^2/NDF: 7.1/9

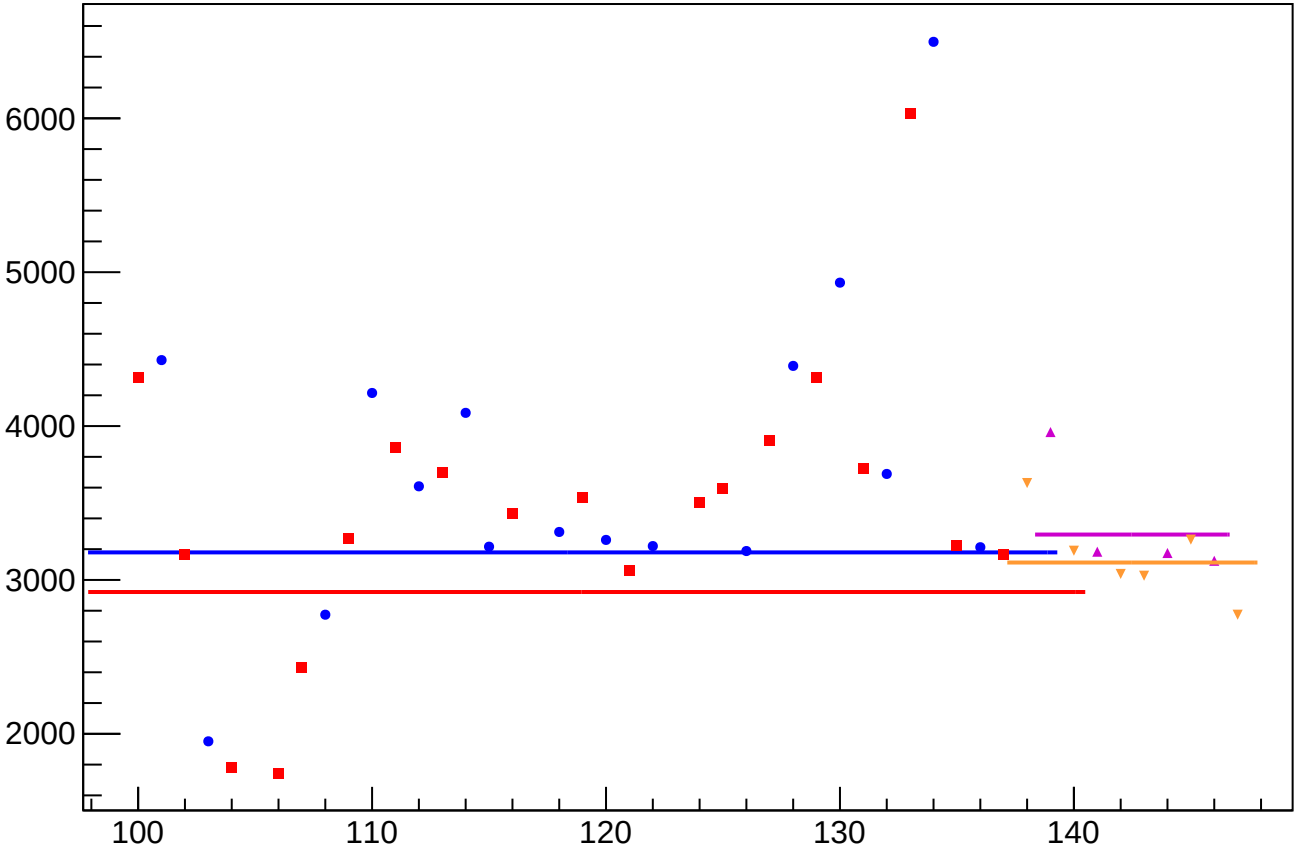
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 540.636+/-1011.033 χ^2/NDF:15.1/19

Out: -911.034+/-901.215 χ^2/NDF:24.2/24

All: -268.293+/-672.744 χ^2/NDF: 40.4/44

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3113.232+/-1.044 χ^2/NDF:61791.6/5

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3295.012+/-1.249 χ^2/NDF:57752.9/3

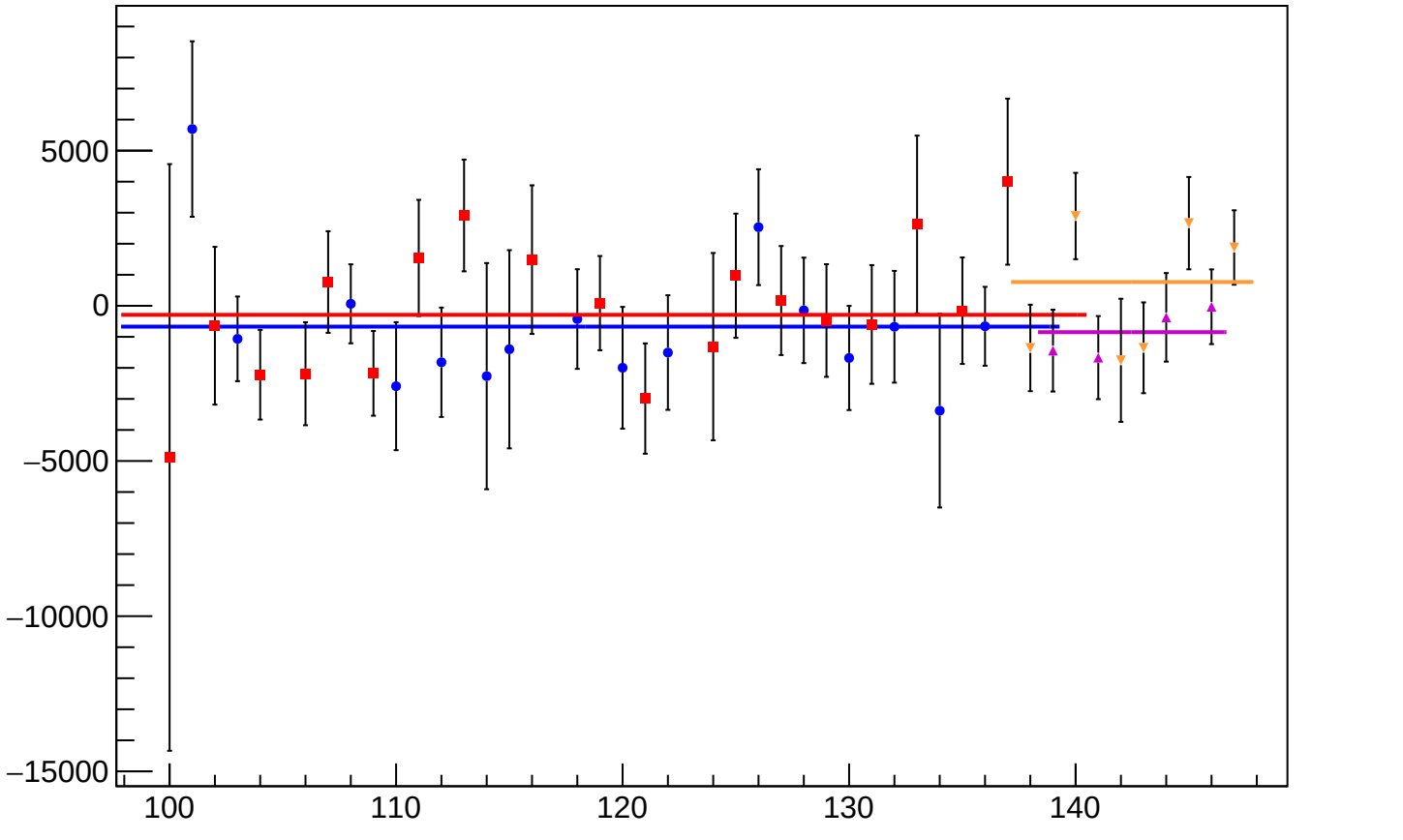
Left: 3187.955+/-0.801 χ^2/NDF: 132011.7/9

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3217.021+/-0.715 χ^2/NDF:1154783.1/19

Out: 2993.053+/-0.637 χ^2/NDF:1395815.3/24

All: 3092.217+/-0.476 χ^2/NDF: 2605289.4/44



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 767.790+/-587.131 χ^2/NDF:10.9/5

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -849.354+/-657.266 χ^2/NDF:1.2/3

Left: 50.073+/-437.869 χ^2/NDF: 15.4/9

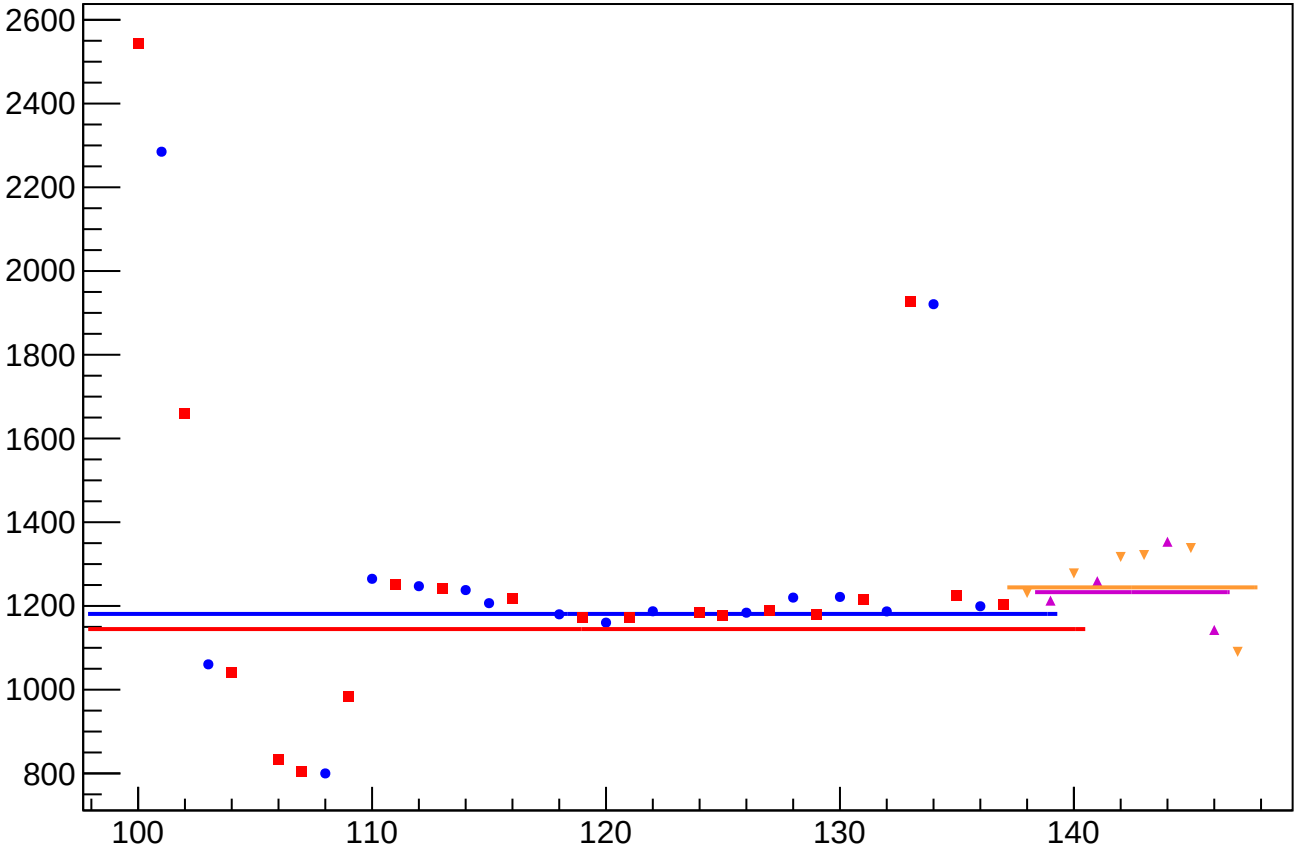
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -727.540+/-370.467 χ^2/NDF:13.1/19

Out: 84.027+/-349.224 χ^2/NDF:29.9/24

All: -297.821+/-254.117 χ^2/NDF: 45.5/44

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1244.391+/-0.415 χ^2/NDF:50567.6/5

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1232.960+/-0.465 χ^2/NDF:26735.3/3

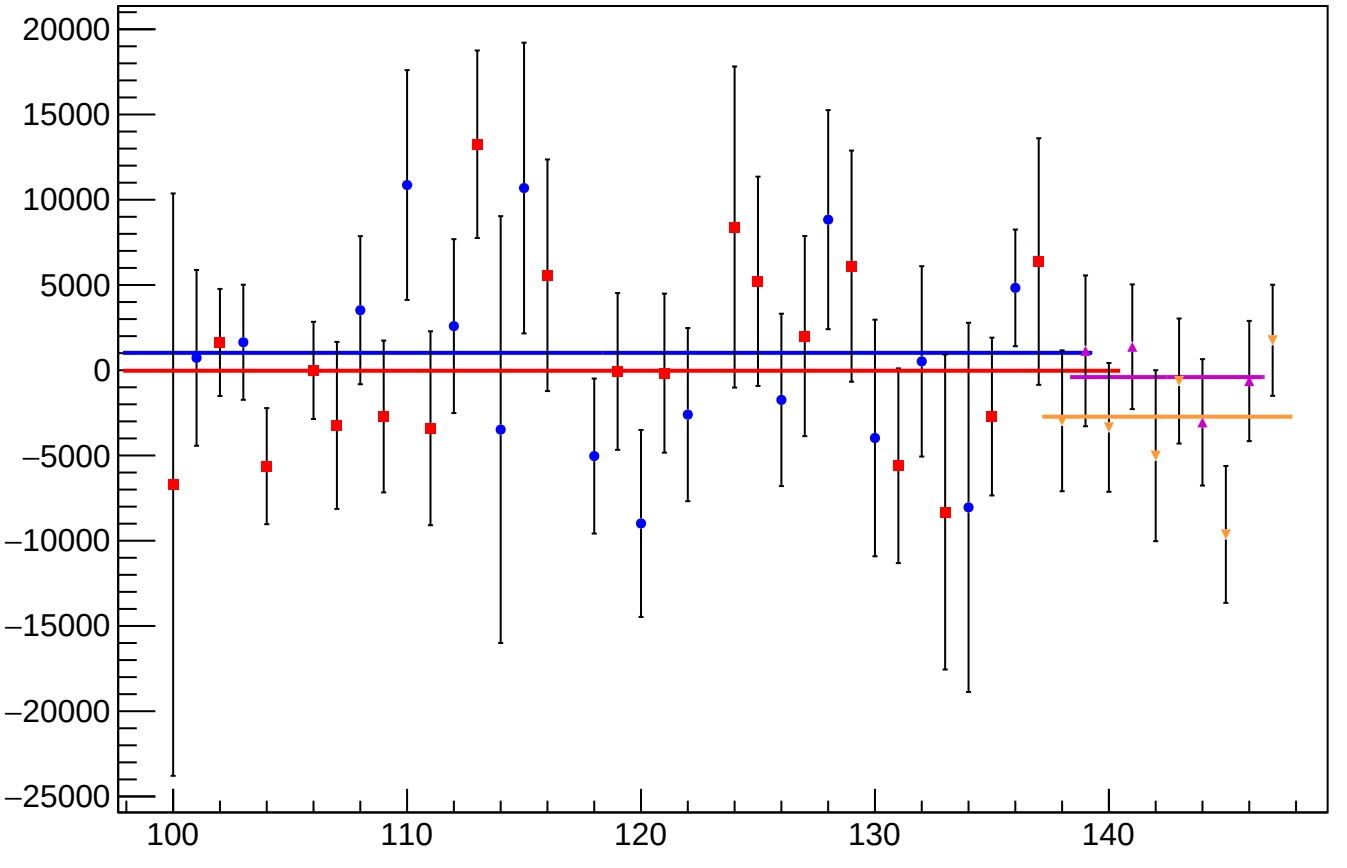
Left: 1239.318+/-0.310 χ^2/NDF: 77639.5/9

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1197.477+/-0.262 χ^2/NDF:657156.9/19

Out: 1179.998+/-0.247 χ^2/NDF:585513.9/24

All: 1188.220+/-0.180 χ^2/NDF: 1245028.8/44



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2724.543+/-1582.989 χ^2/NDF:5.4/5

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -401.436+/-1893.102 χ^2/NDF:0.9/3

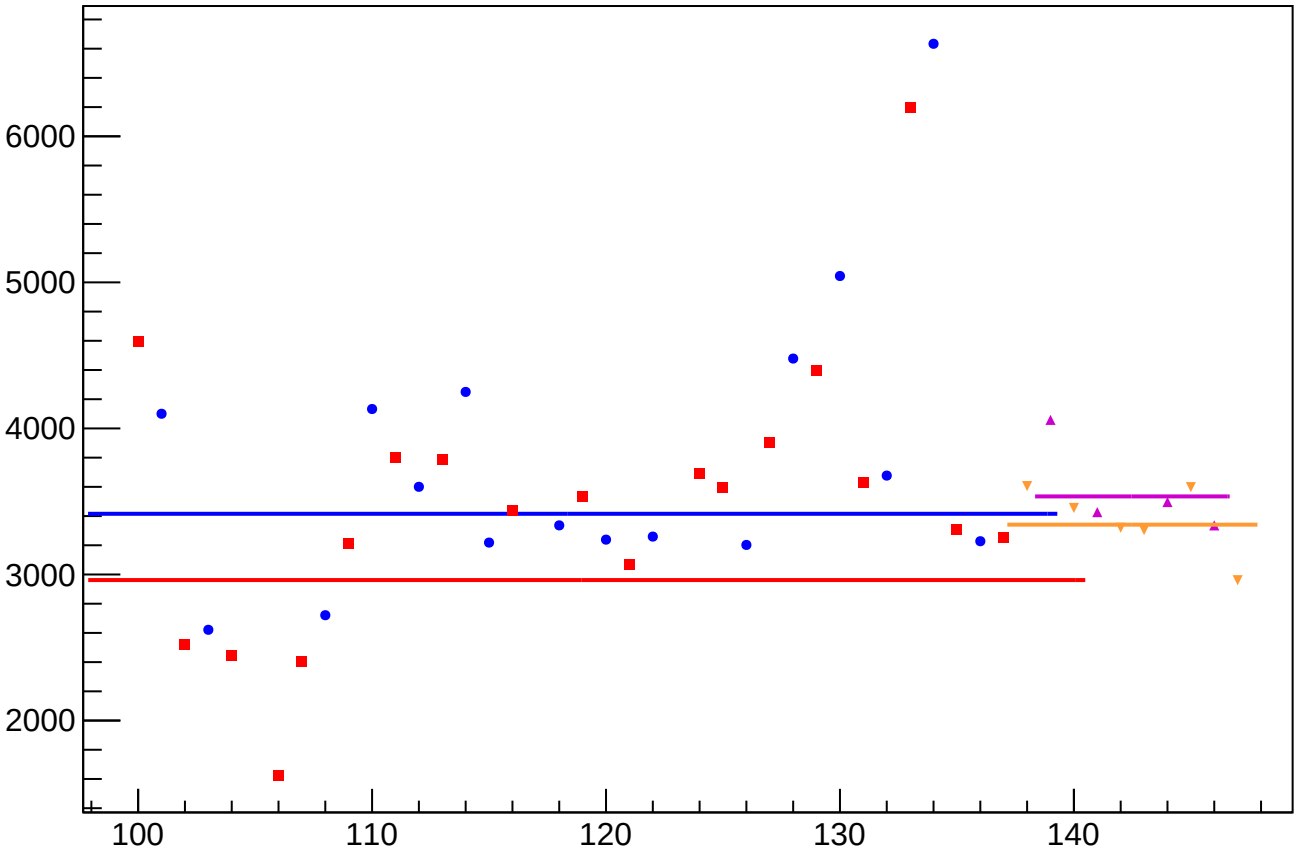
Left: -1768.605+/-1214.379 χ^2/NDF: 7.2/9

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 564.054+/-1073.013 χ^2/NDF:15.1/19

Out: -940.447+/-920.113 χ^2/NDF:23.5/24

All: -302.937+/-698.477 χ^2/NDF: 39.7/44



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3341.113+/-1.119 χ^2/NDF:45715.1/5

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3534.539+/-1.339 χ^2/NDF:36368.1/3

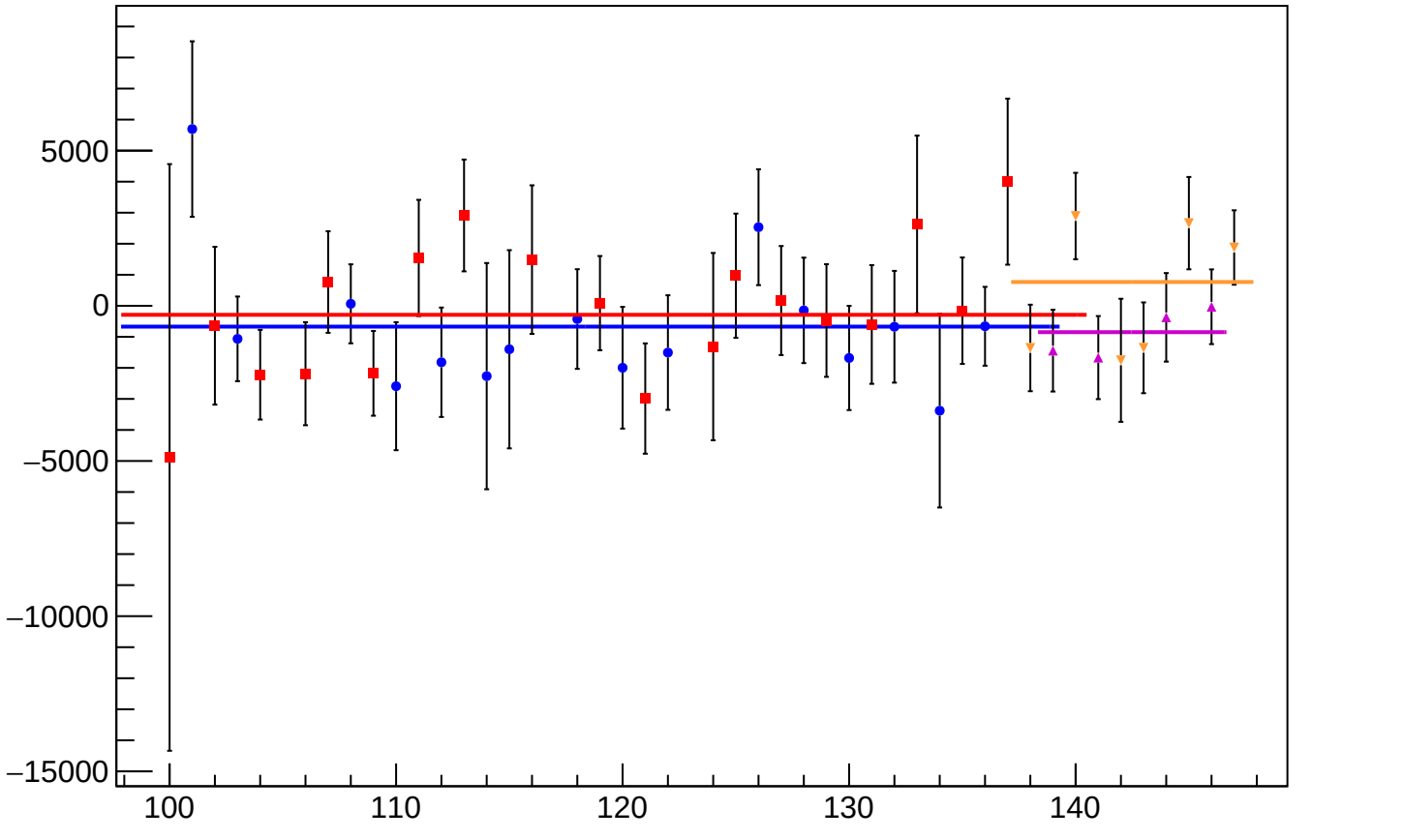
Left: 3420.706+/-0.859 χ^2/NDF: 94370.7/9

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3453.807+/-0.759 χ^2/NDF:634070.9/19

Out: 3089.950+/-0.651 χ^2/NDF:1291010.0/24

All: 3244.129+/-0.494 χ^2/NDF: 2057607.6/44



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 767.791+/-587.132 χ^2/NDF:10.9/5

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -849.348+/-657.267 χ^2/NDF:1.2/3

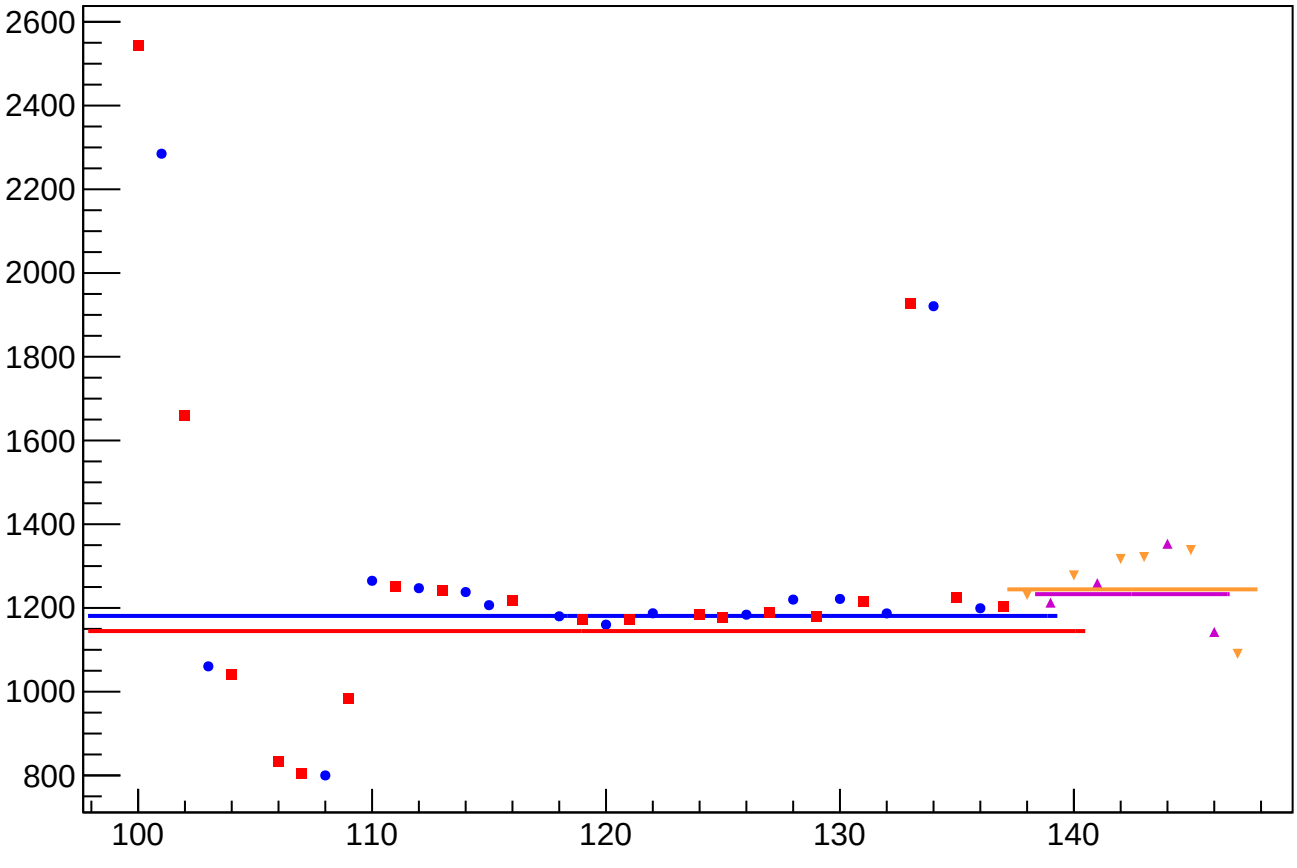
Left: 50.075+/-437.869 χ^2/NDF: 15.4/9

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -727.541+/-370.467 χ^2/NDF:13.1/19

Out: 84.024+/-349.224 χ^2/NDF:29.9/24

All: -297.824+/-254.117 χ^2/NDF: 45.5/44



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1244.392+/-0.415 χ^2/NDF:50567.6/5

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1232.961+/-0.465 χ^2/NDF:26735.0/3

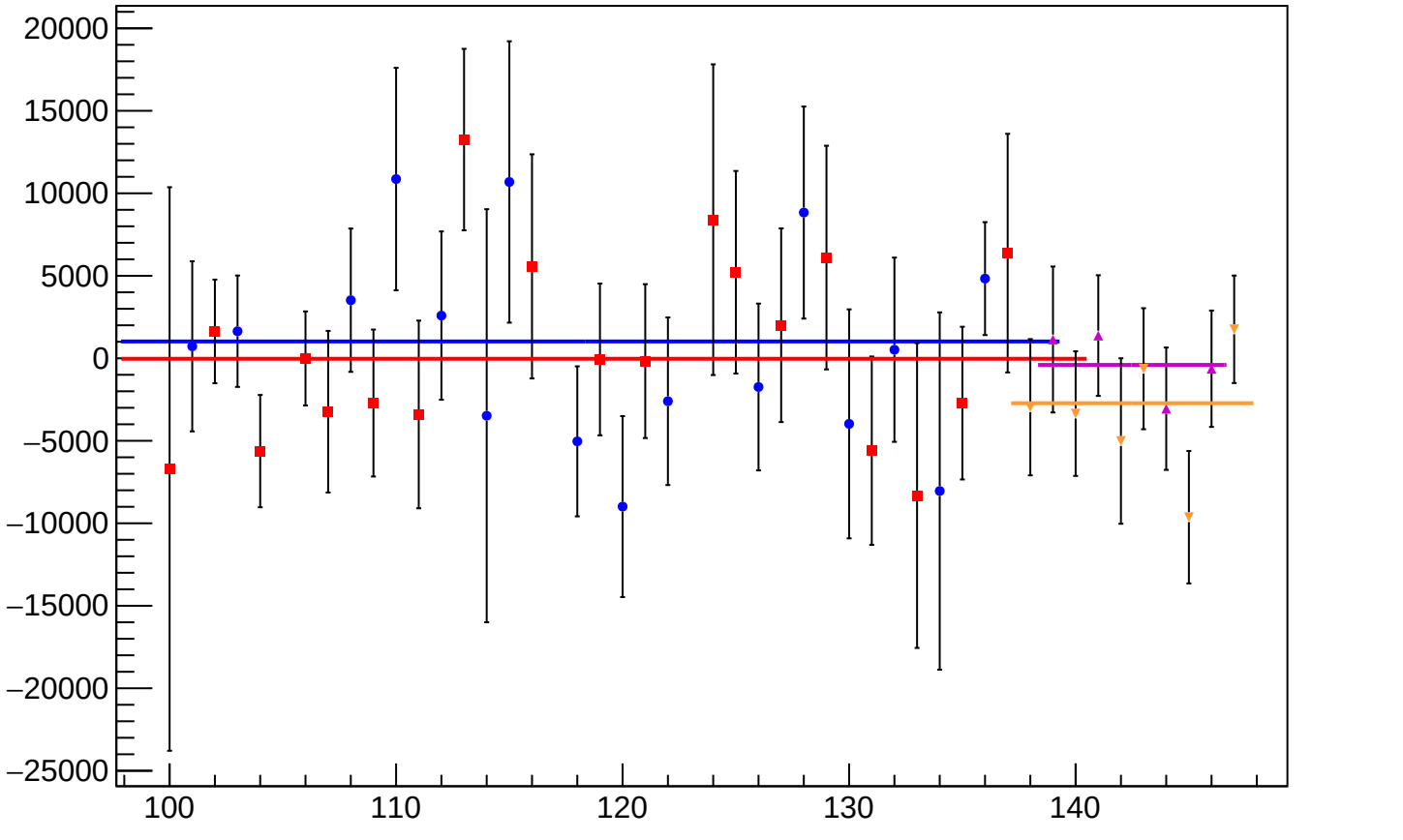
Left: 1239.319+/-0.310 χ^2/NDF: 77639.0/9

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1197.477+/-0.262 χ^2/NDF:657157.1/19

Out: 1179.998+/-0.247 χ^2/NDF:585513.8/24

All: 1188.220+/-0.180 χ^2/NDF: 1245028.8/44



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2724.546+/-1582.991 χ^2/NDF:5.4/5

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -401.427+/-1893.103 χ^2/NDF:0.9/3

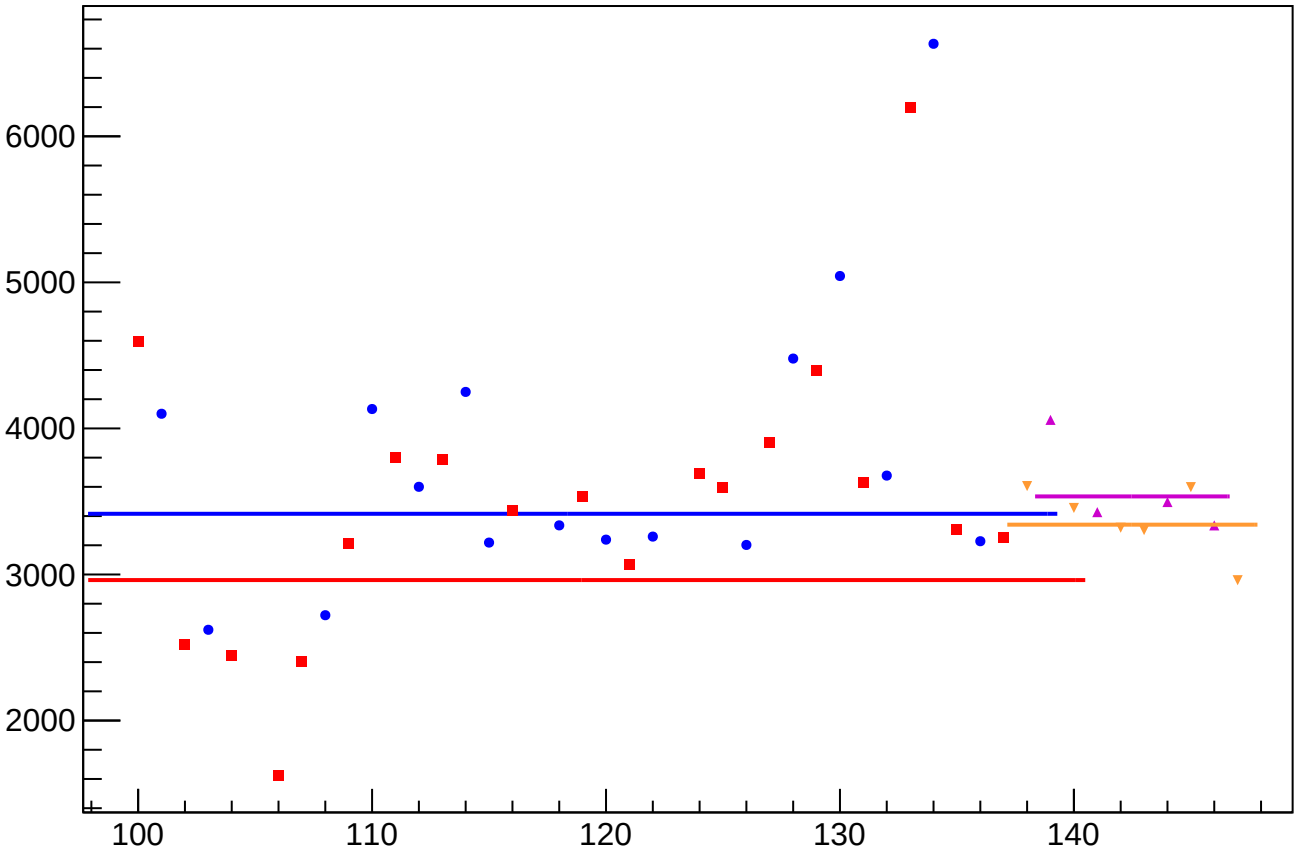
Left: -1768.603+/-1214.380 χ^2/NDF: 7.2/9

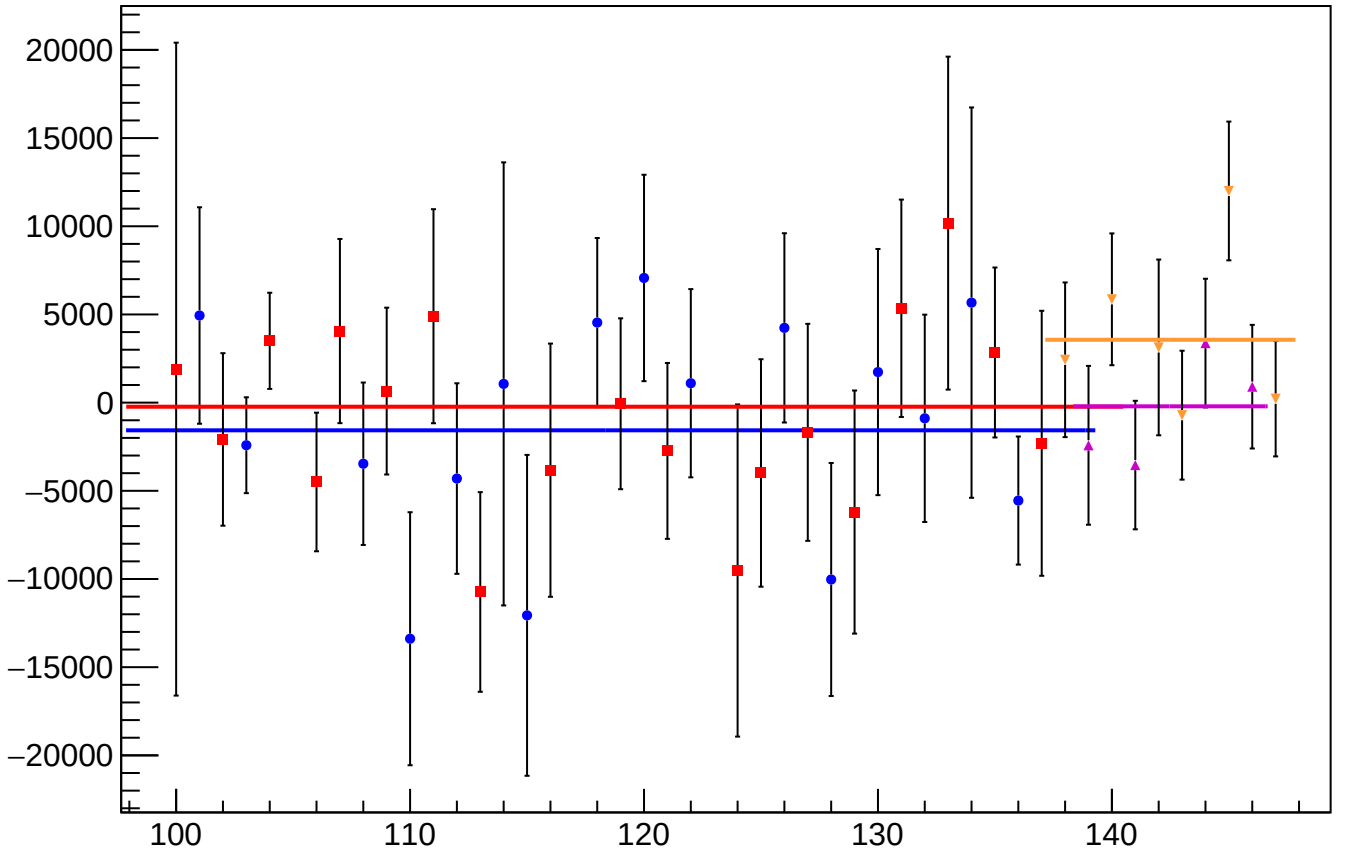
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 564.046+/-1073.013 χ^2/NDF:15.1/19

Out: -940.449+/-920.113 χ^2/NDF:23.5/24

All: -302.942+/-698.477 χ^2/NDF: 39.7/44


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3341.117+/-1.119 χ²/NDF:45714.7/5
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3534.543+/-1.339 χ²/NDF:36368.2/3
Left: 3420.710+/-0.859 χ²/NDF: 94370.4/9
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3453.806+/-0.759 χ²/NDF:634066.7/19
Out: 3089.948+/-0.651 χ²/NDF:1291012.9/24
All: 3244.127+/-0.494 χ²/NDF: 2057607.1/44



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 3564.696+/-1587.268 χ^2/NDF:7.5/5

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -208.898+/-1885.747 χ^2/NDF:2.1/3

Left: 1999.832+/-1214.350 χ^2/NDF: 12.0/9

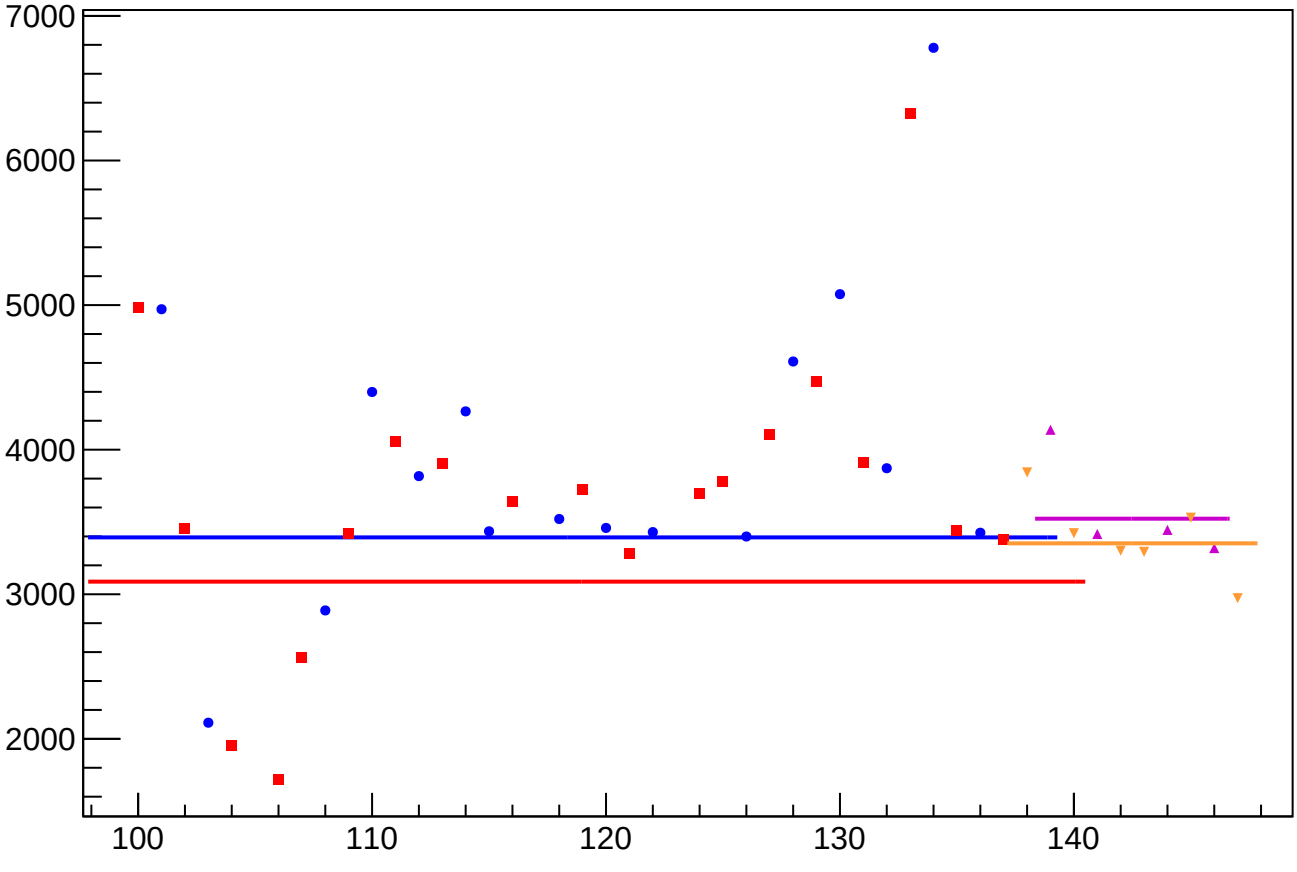
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -1125.488+/-1077.499 χ^2/NDF:17.0/19

Out: 1184.811+/-969.436 χ^2/NDF:24.3/24

All: 151.288+/-720.680 χ^2/NDF: 43.8/44

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3352.306+/-1.122 χ^2/NDF:57456.3/5

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3522.707+/-1.333 χ^2/NDF:46630.3/3

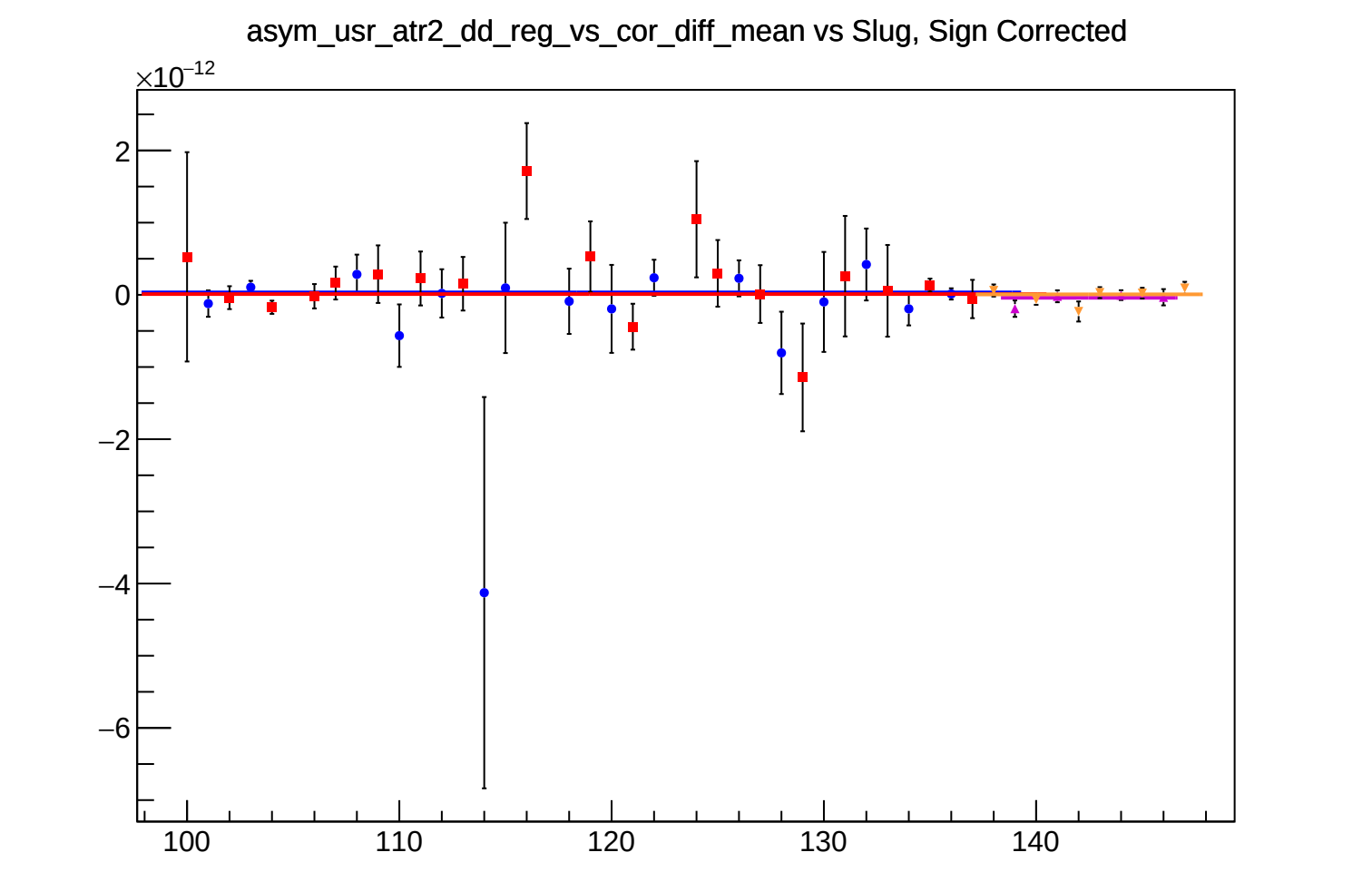
Left: 3422.969+/-0.859 χ^2/NDF: 113645.2/9

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3435.593+/-0.762 χ^2/NDF:1101674.9/19

Out: 3184.074+/-0.678 χ^2/NDF:1421202.5/24

All: 3295.268+/-0.507 χ^2/NDF: 2583677.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/3

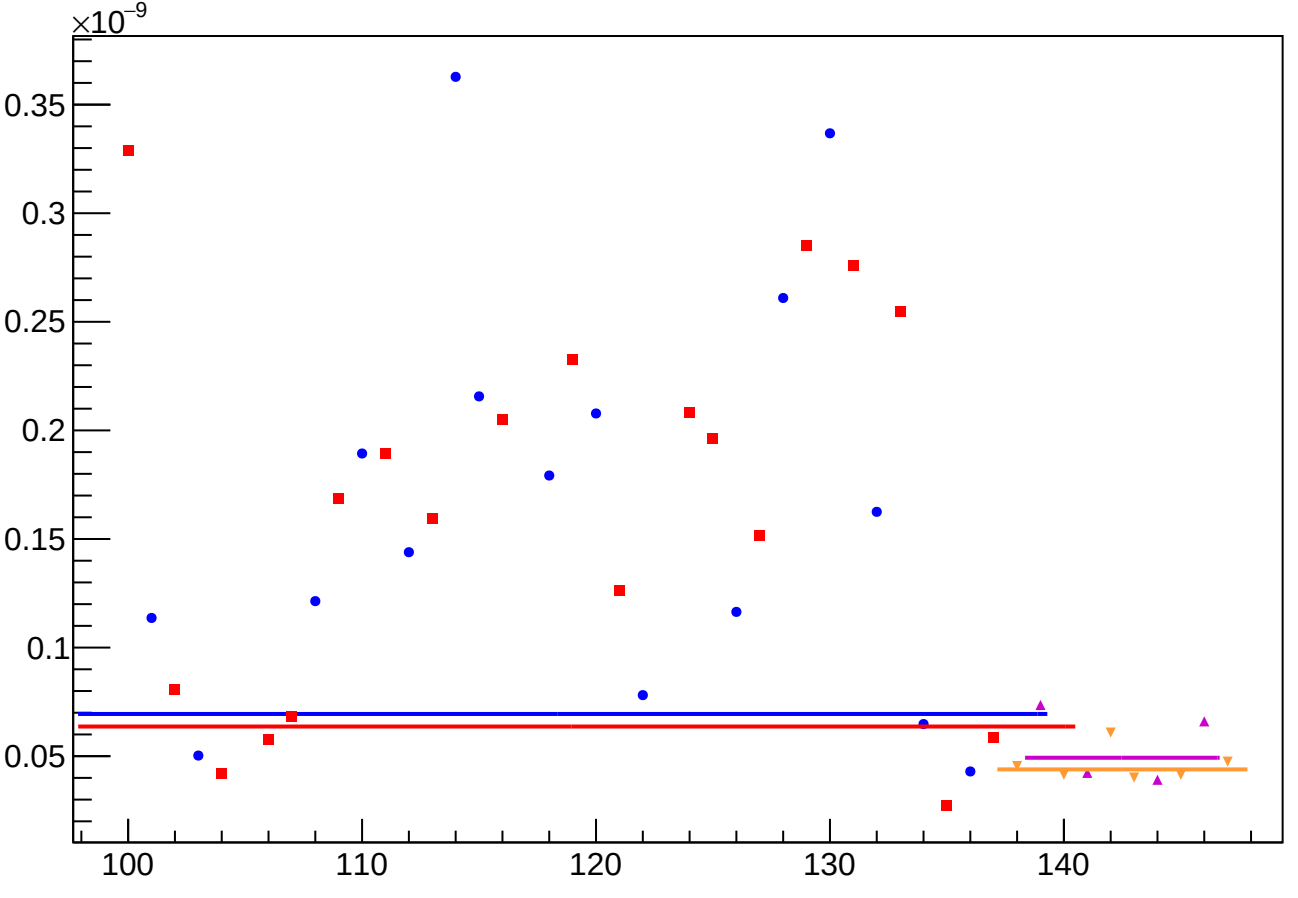
Left: -0.000+/-0.000 χ^2/NDF: 8.2/9

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:15.2/19

Out: 0.000+/-0.000 χ^2/NDF:27.3/24

All: 0.000+/-0.000 χ^2/NDF: 42.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:43085.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:193029.6/3

Left: 0.000+/-0.000 χ^2/NDF: 254721.7/9

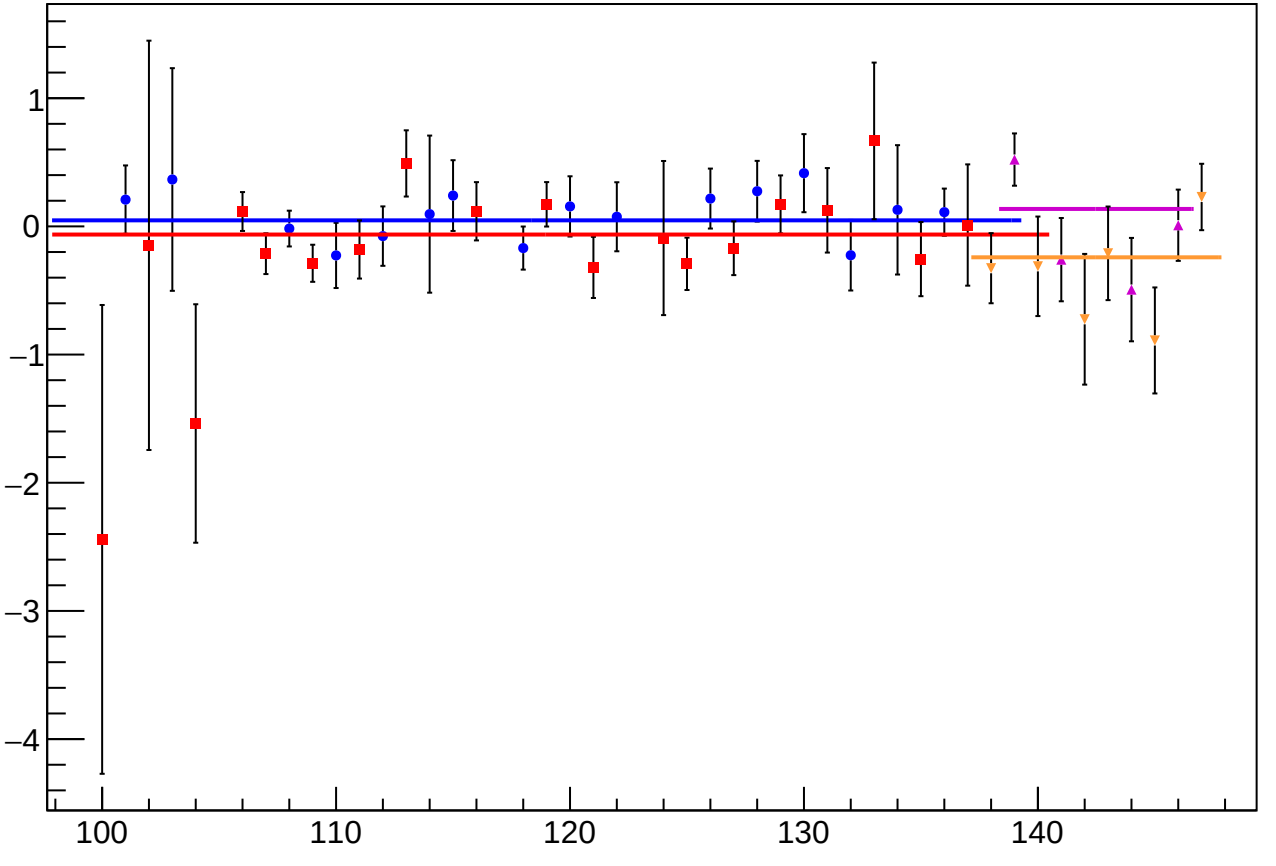
Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2110122.9/19

Out: 0.000+/-0.000 χ^2/NDF:2509427.8/24

All: 0.000+/-0.000 χ^2/NDF: 4689590.4/44

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.241+/-0.139 χ^2/NDF:6.8/5

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.136+/-0.138 χ^2/NDF:7.7/3

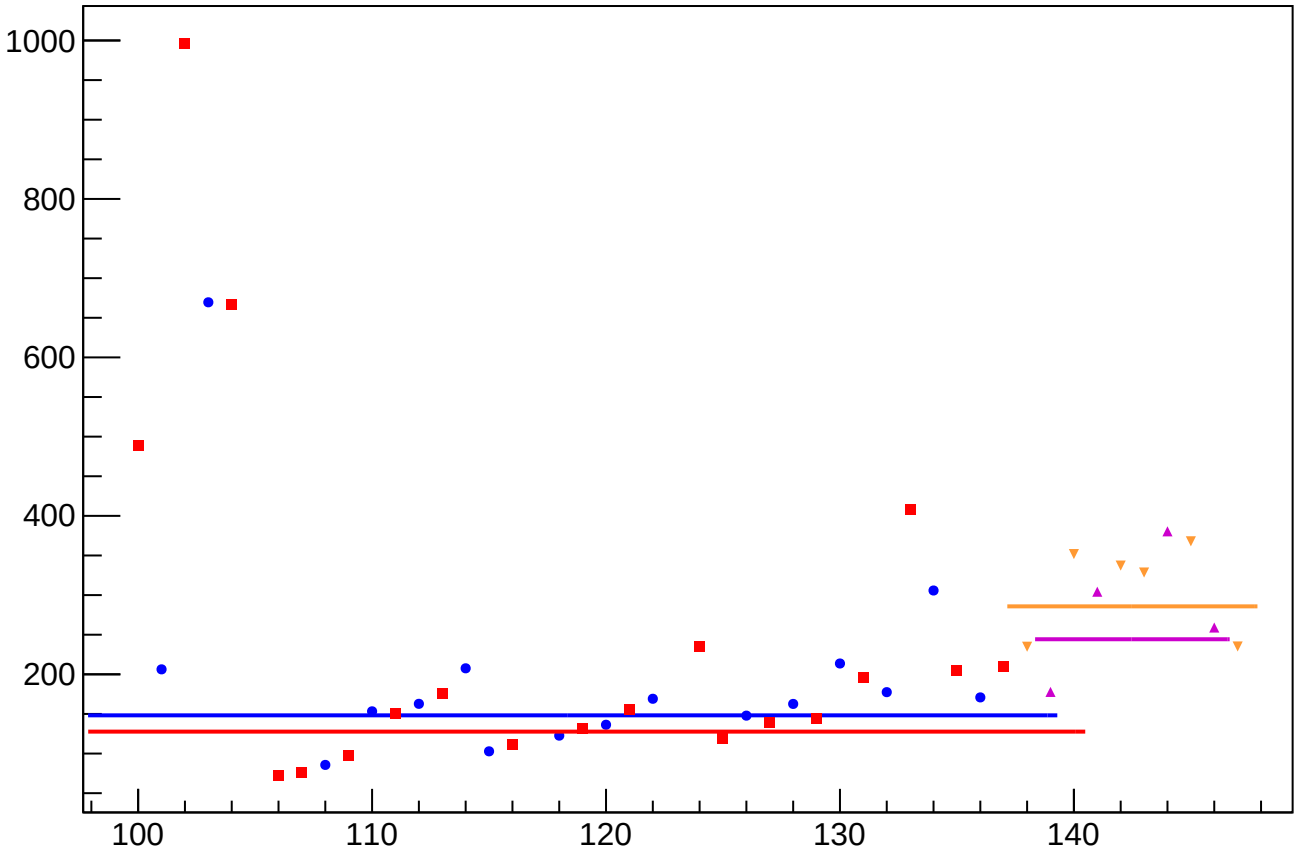
Left: -0.052+/-0.098 χ^2/NDF: 18.2/9

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.061+/-0.055 χ^2/NDF:16.6/19

Out: -0.088+/-0.051 χ^2/NDF:30.5/24

All: -0.019+/-0.037 χ^2/NDF: 51.0/44



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 285.777+/-0.098 χ^2/NDF:330219.0/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.269+/-0.097 χ^2/NDF:514403.3/3

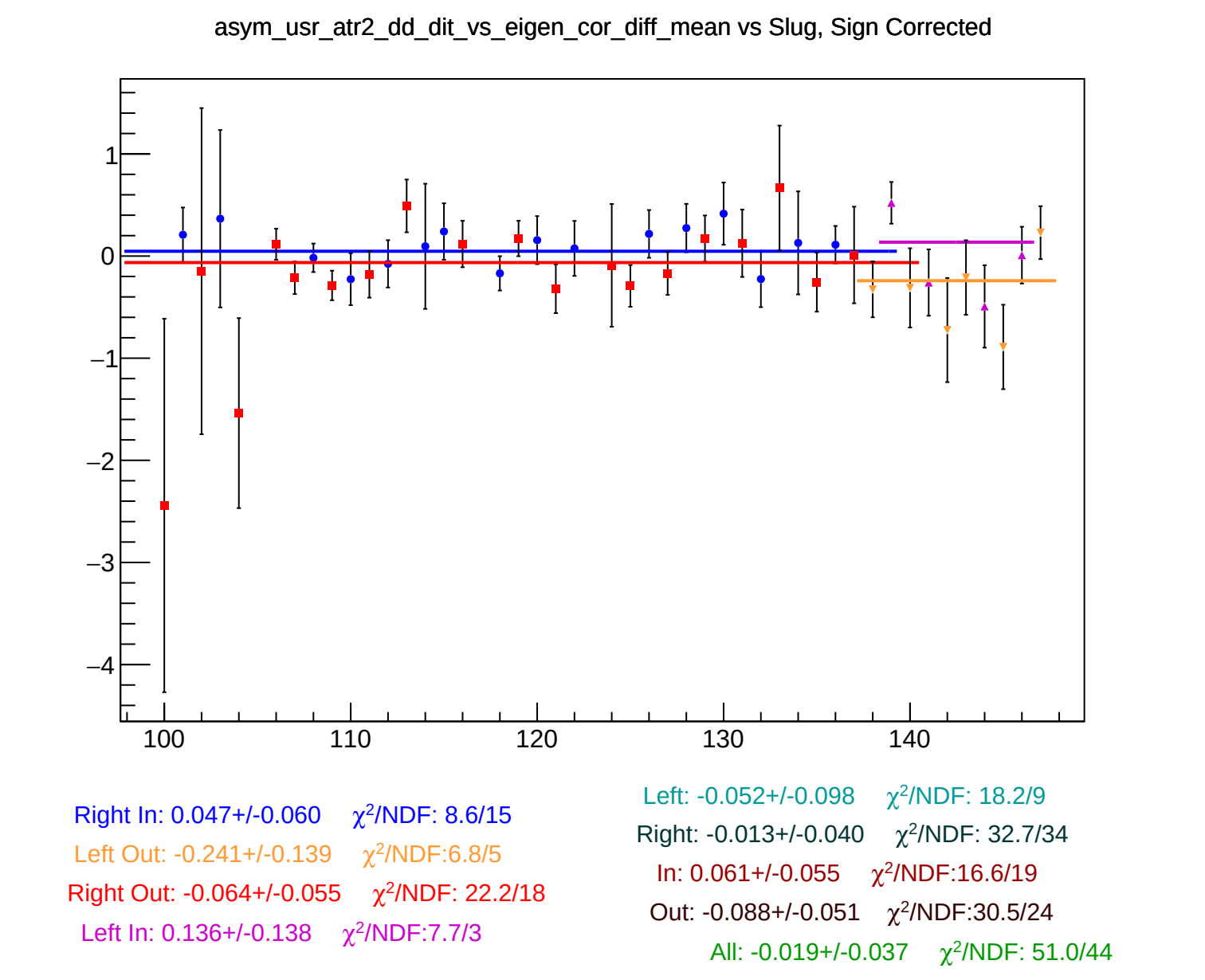
Left: 264.926+/-0.069 χ^2/NDF: 934830.6/9

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

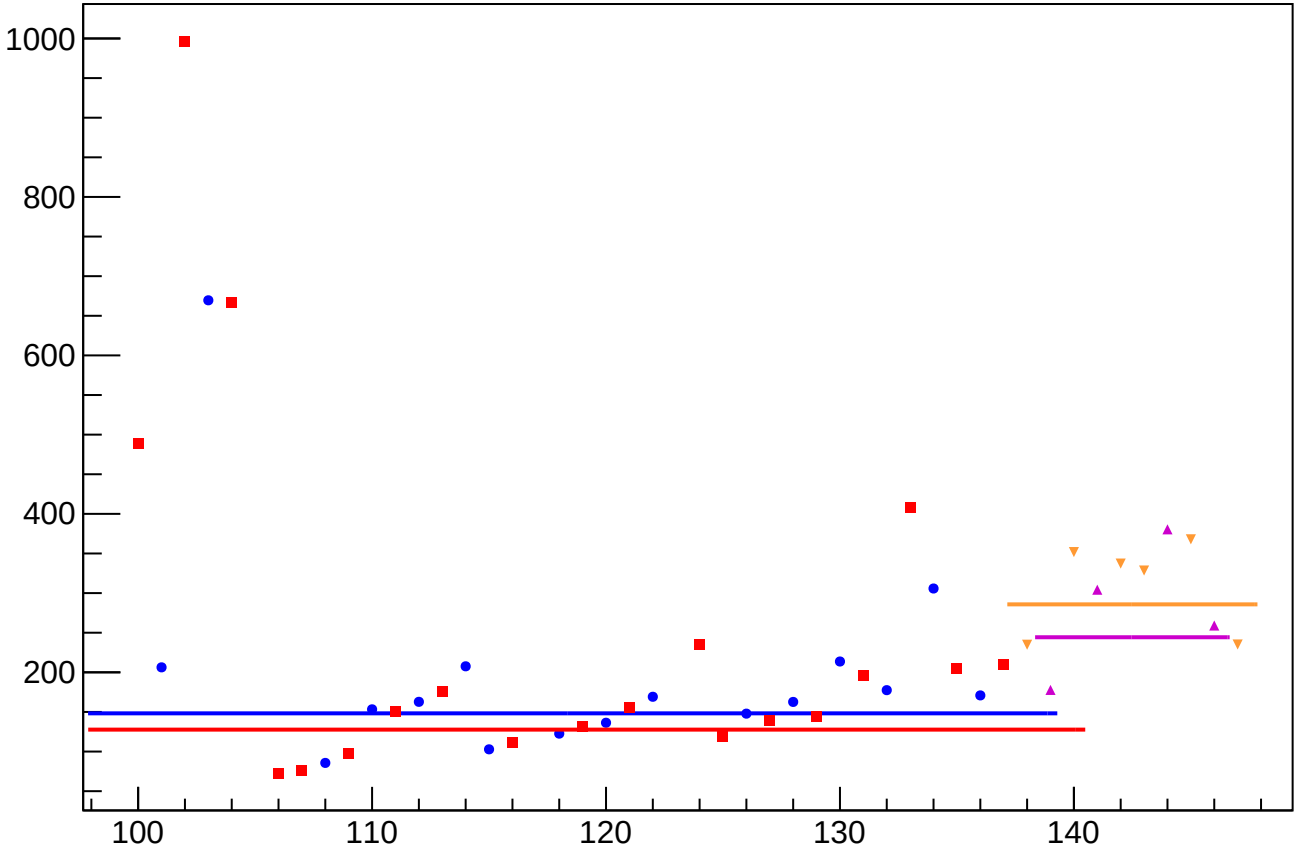
In: 163.542+/-0.039 χ^2/NDF:3040013.3/19

Out: 148.988+/-0.036 χ^2/NDF:5425890.3/24

All: 155.691+/-0.026 χ^2/NDF: 8541353.5/44


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.241+/-0.139 χ²/NDF:6.8/5
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.136+/-0.138 χ²/NDF:7.7/3
Left: -0.052+/-0.098 χ²/NDF: 18.2/9
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.061+/-0.055 χ²/NDF:16.6/19
Out: -0.088+/-0.051 χ²/NDF:30.5/24
All: -0.019+/-0.037 χ²/NDF: 51.0/44

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 285.777+/-0.098 χ^2/NDF:330219.0/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 244.269+/-0.097 χ^2/NDF:514403.3/3

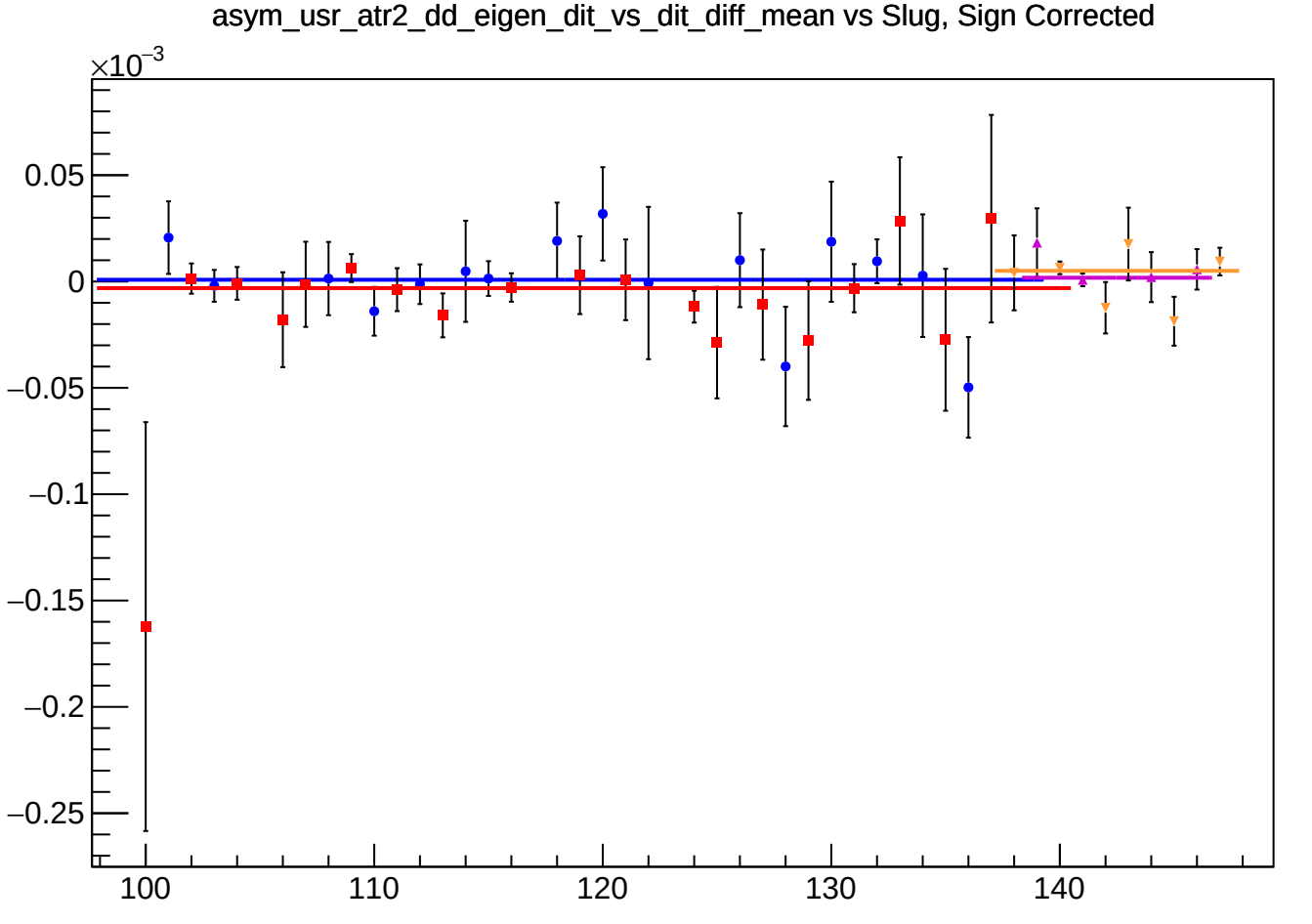
Left: 264.926+/-0.069 χ^2/NDF: 934830.6/9

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 163.542+/-0.039 χ^2/NDF:3040013.3/19

Out: 148.988+/-0.036 χ^2/NDF:5425890.3/24

All: 155.691+/-0.026 χ^2/NDF: 8541353.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/3

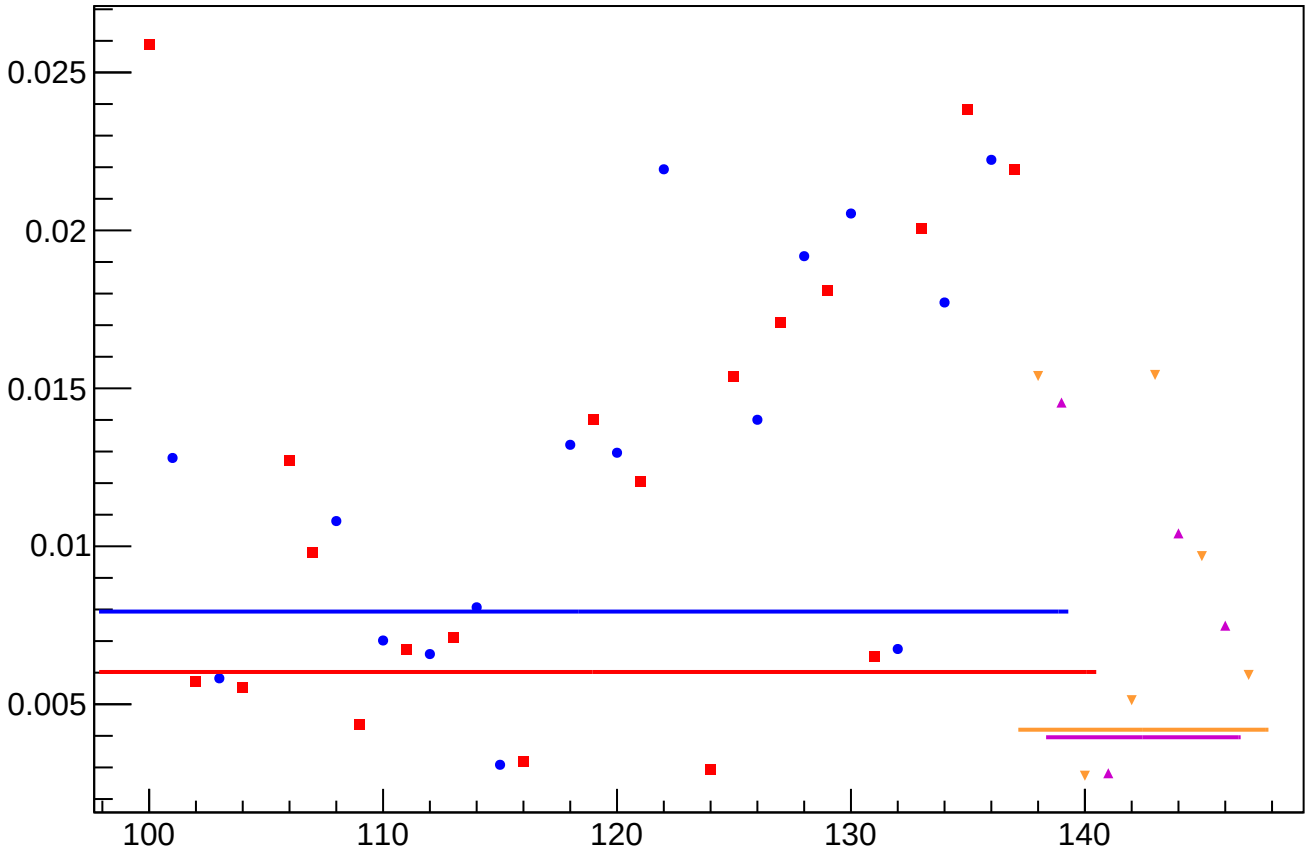
Left: 0.000+/-0.000 χ^2/NDF: 9.6/9

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:15.6/19

Out: 0.000+/-0.000 χ^2/NDF:25.2/24

All: 0.000+/-0.000 χ^2/NDF: 40.8/44



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:2752142.2/5

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.004+/-0.000 χ^2/NDF:2027580.7/3

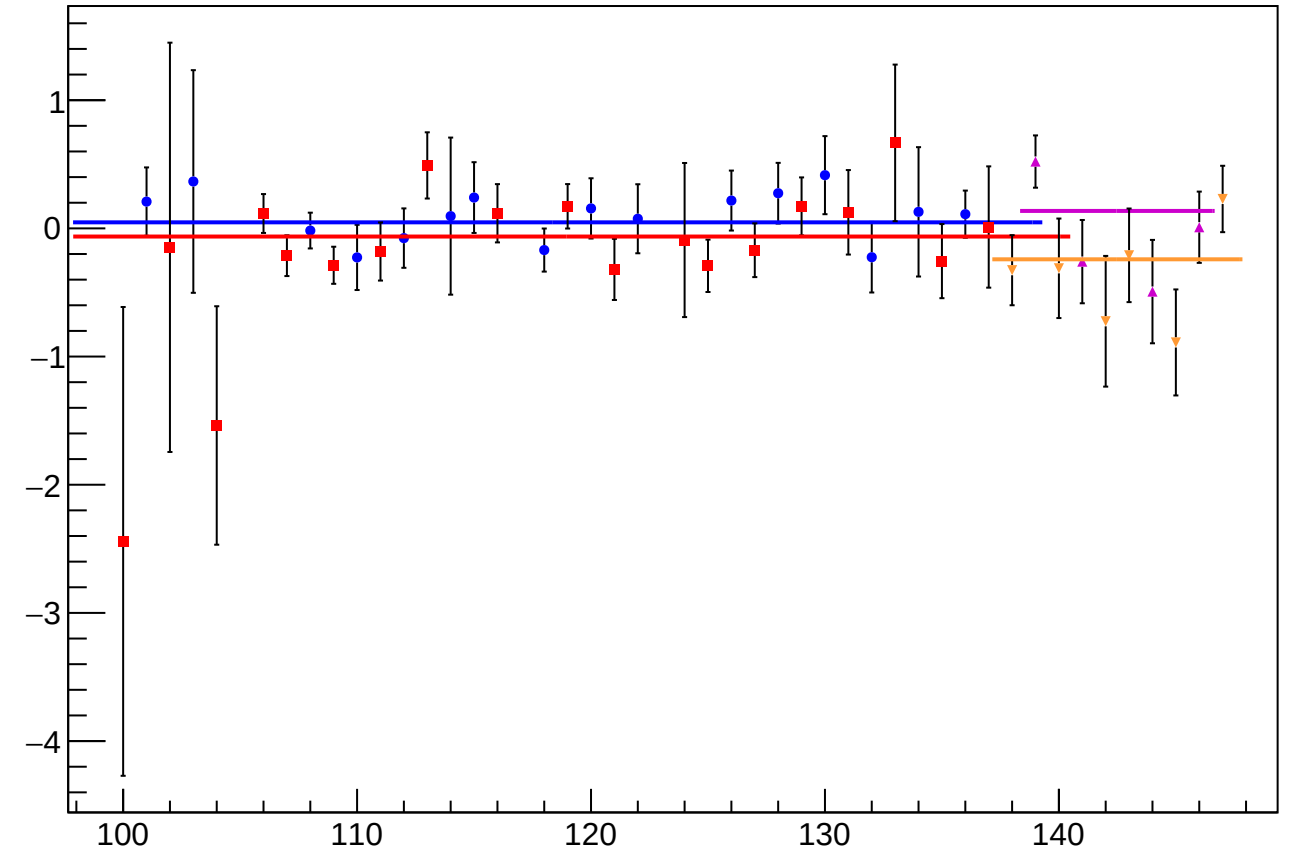
Left: 0.004+/-0.000 χ^2/NDF: 4787933.4/9

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.005+/-0.000 χ^2/NDF:7229979.9/19

Out: 0.005+/-0.000 χ^2/NDF:7262865.9/24

All: 0.005+/-0.000 χ^2/NDF: 14536800.1/44



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.241+/-0.139 χ^2/NDF:6.8/5

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.136+/-0.138 χ^2/NDF:7.7/3

Left: -0.052+/-0.098 χ^2/NDF: 18.2/9

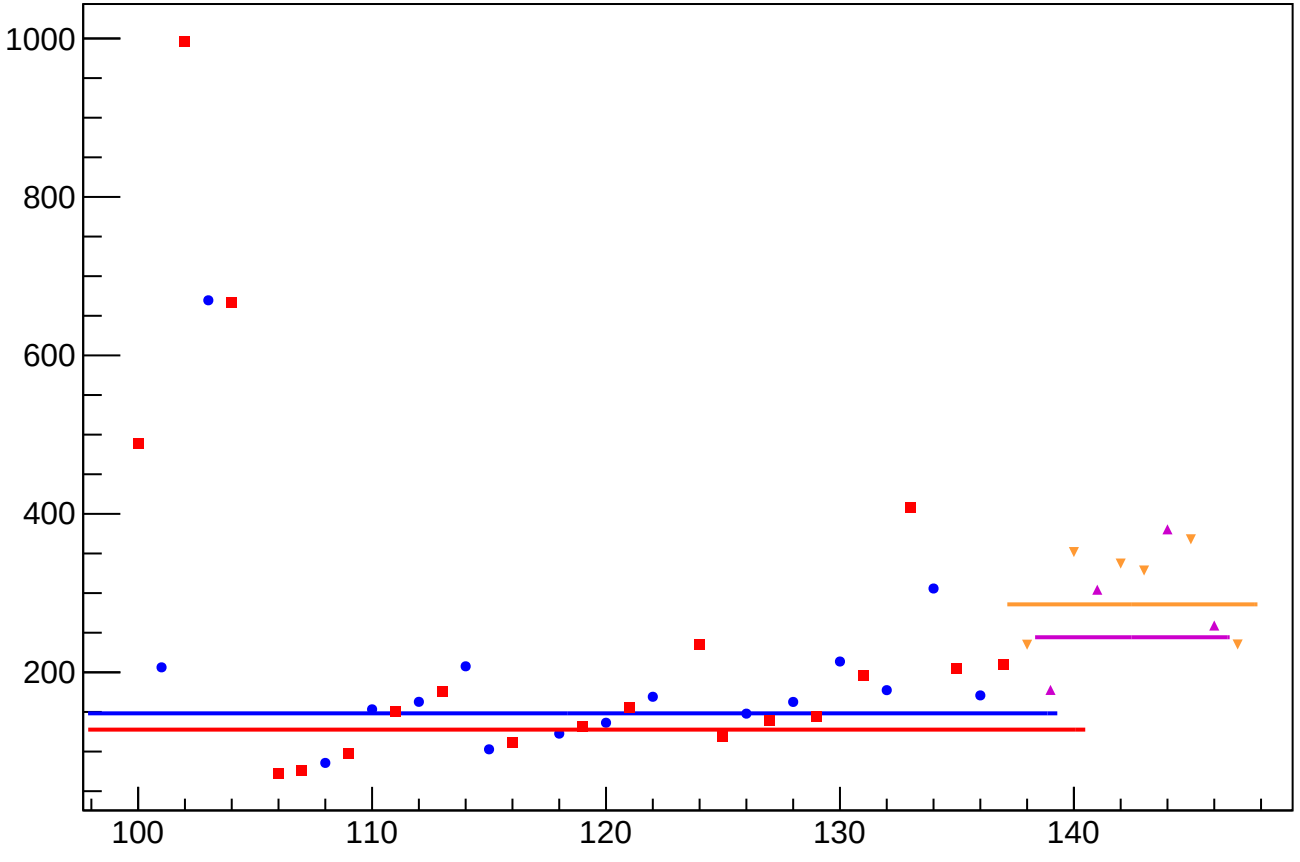
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.061+/-0.055 χ^2/NDF:16.6/19

Out: -0.088+/-0.051 χ^2/NDF:30.5/24

All: -0.019+/-0.037 χ^2/NDF: 51.0/44

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: 285.781+/-0.098 χ^2/NDF:330198.5/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.272+/-0.097 χ^2/NDF:514381.6/3

Left: 264.929+/-0.069 χ^2/NDF: 934790.4/9

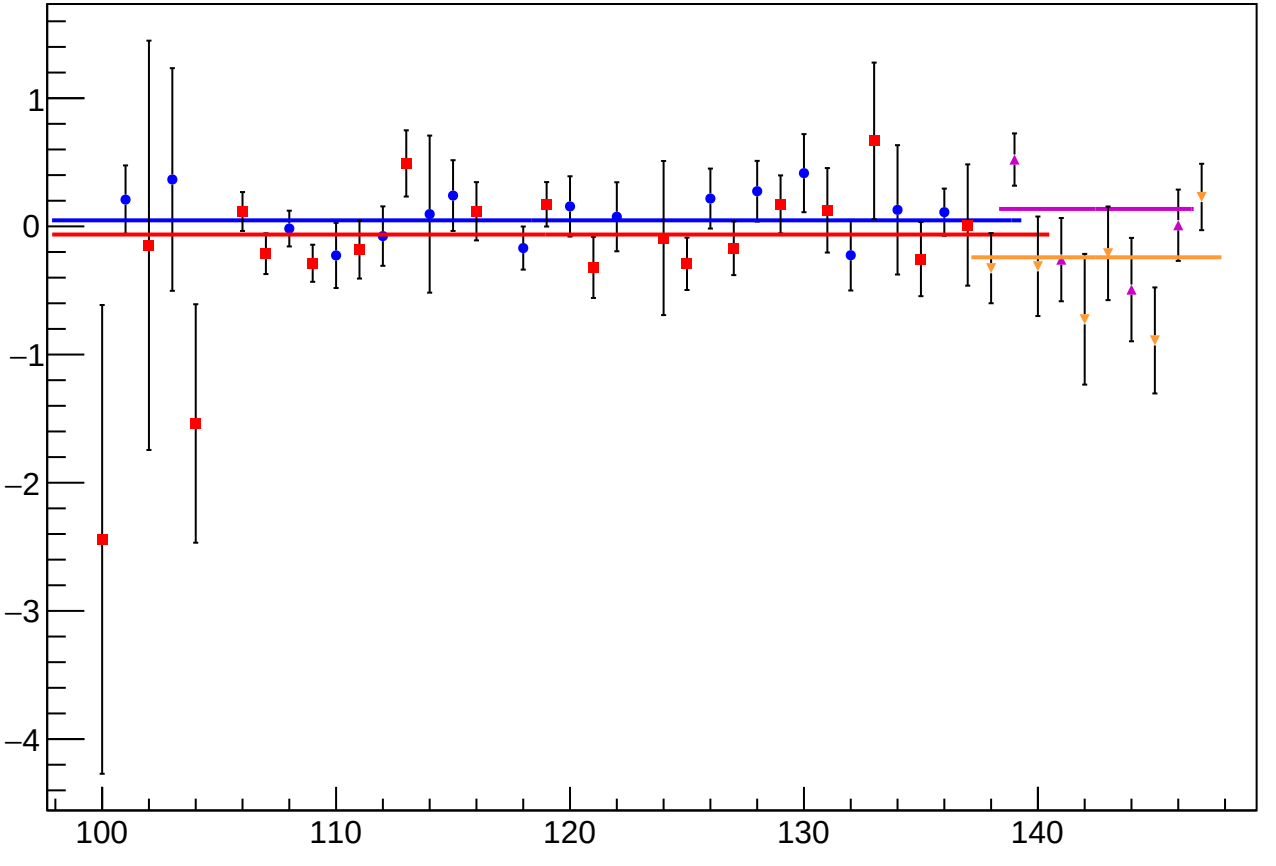
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 163.540+/-0.039 χ^2/NDF:3040153.3/19

Out: 148.988+/-0.036 χ^2/NDF:5425926.3/24

All: 155.690+/-0.026 χ^2/NDF: 8541506.2/44

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: -0.241+/-0.139 χ^2/NDF:6.8/5

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.136+/-0.138 χ^2/NDF:7.7/3

Left: -0.052+/-0.098 χ^2/NDF: 18.2/9

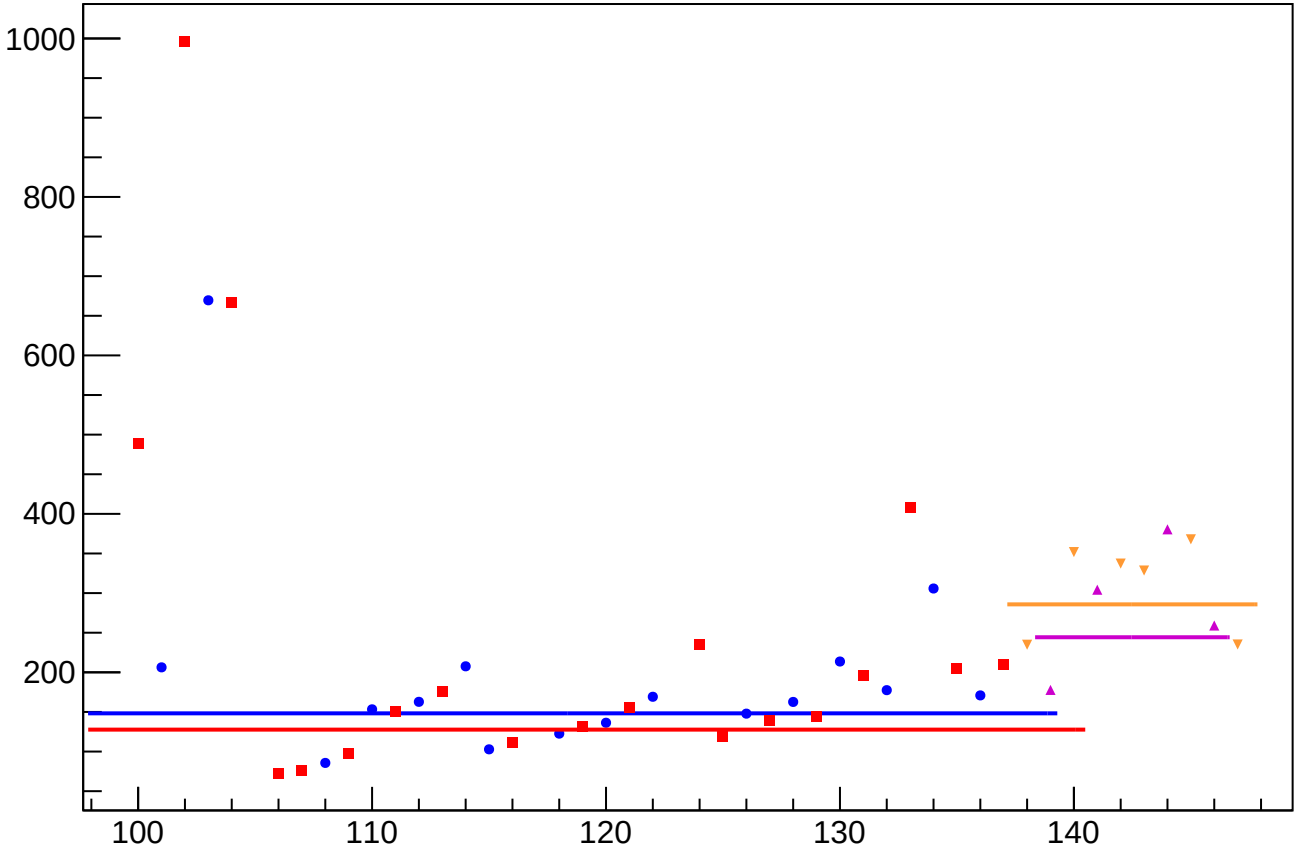
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.061+/-0.055 χ^2/NDF:16.6/19

Out: -0.088+/-0.051 χ^2/NDF:30.5/24

All: -0.019+/-0.037 χ^2/NDF: 51.0/44

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 285.781+/-0.098 χ^2/NDF:330198.5/5

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 244.272+/-0.097 χ^2/NDF:514381.6/3

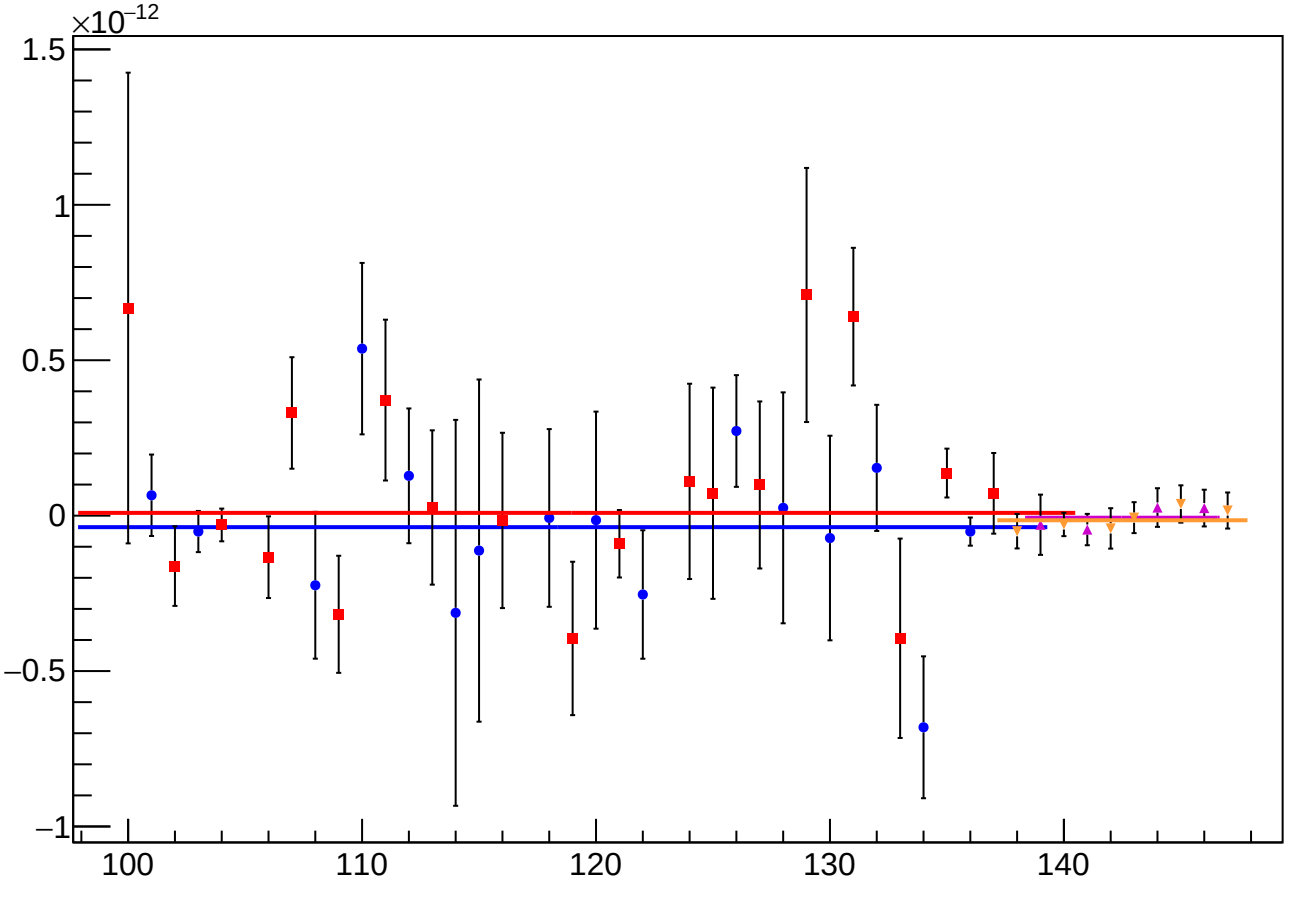
Left: 264.929+/-0.069 χ^2/NDF: 934790.4/9

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 163.540+/-0.039 χ^2/NDF:3040153.3/19

Out: 148.988+/-0.036 χ^2/NDF:5425926.3/24

All: 155.690+/-0.026 χ^2/NDF: 8541506.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/3

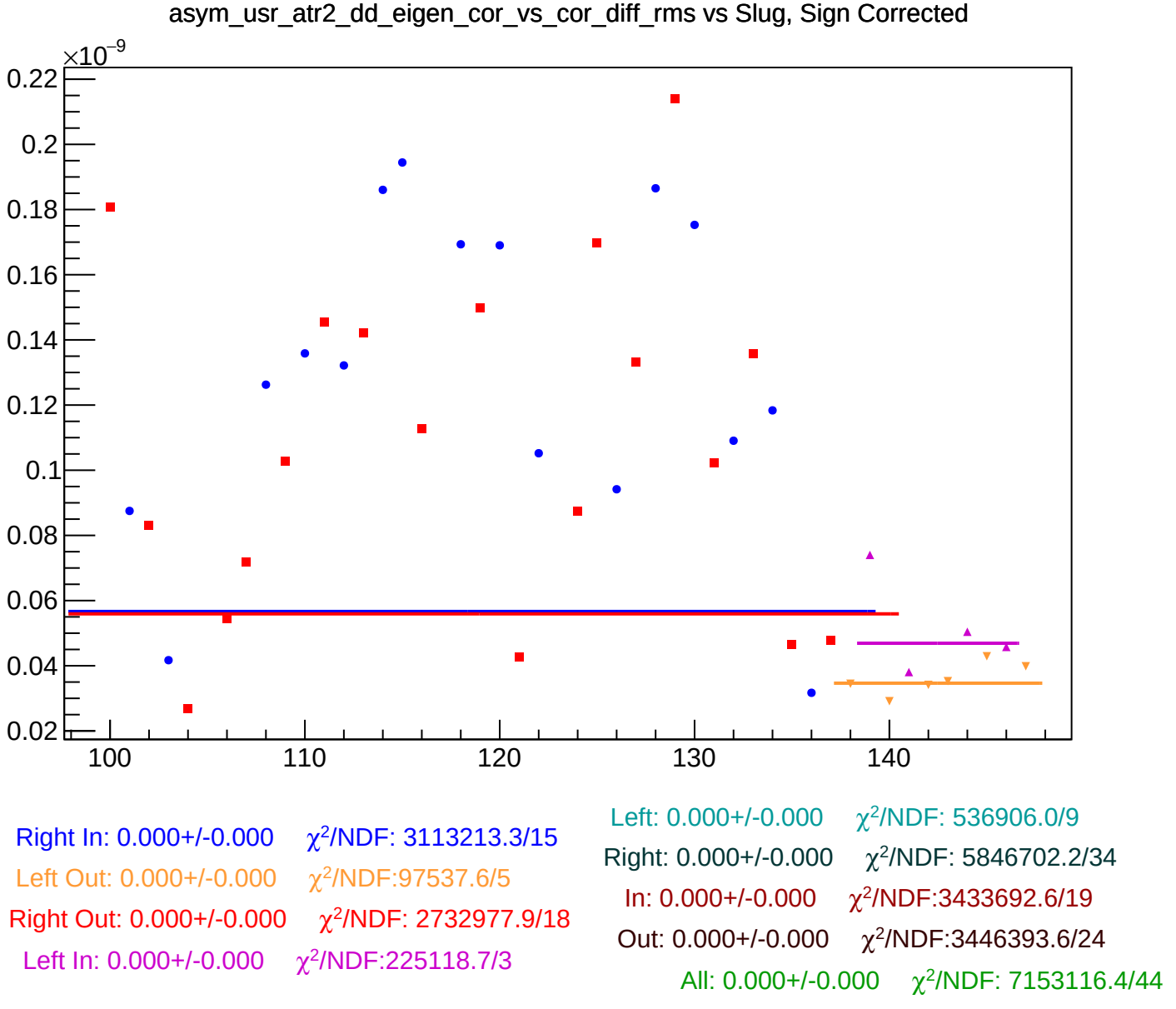
Left: -0.000+/-0.000 χ^2/NDF: 3.0/9

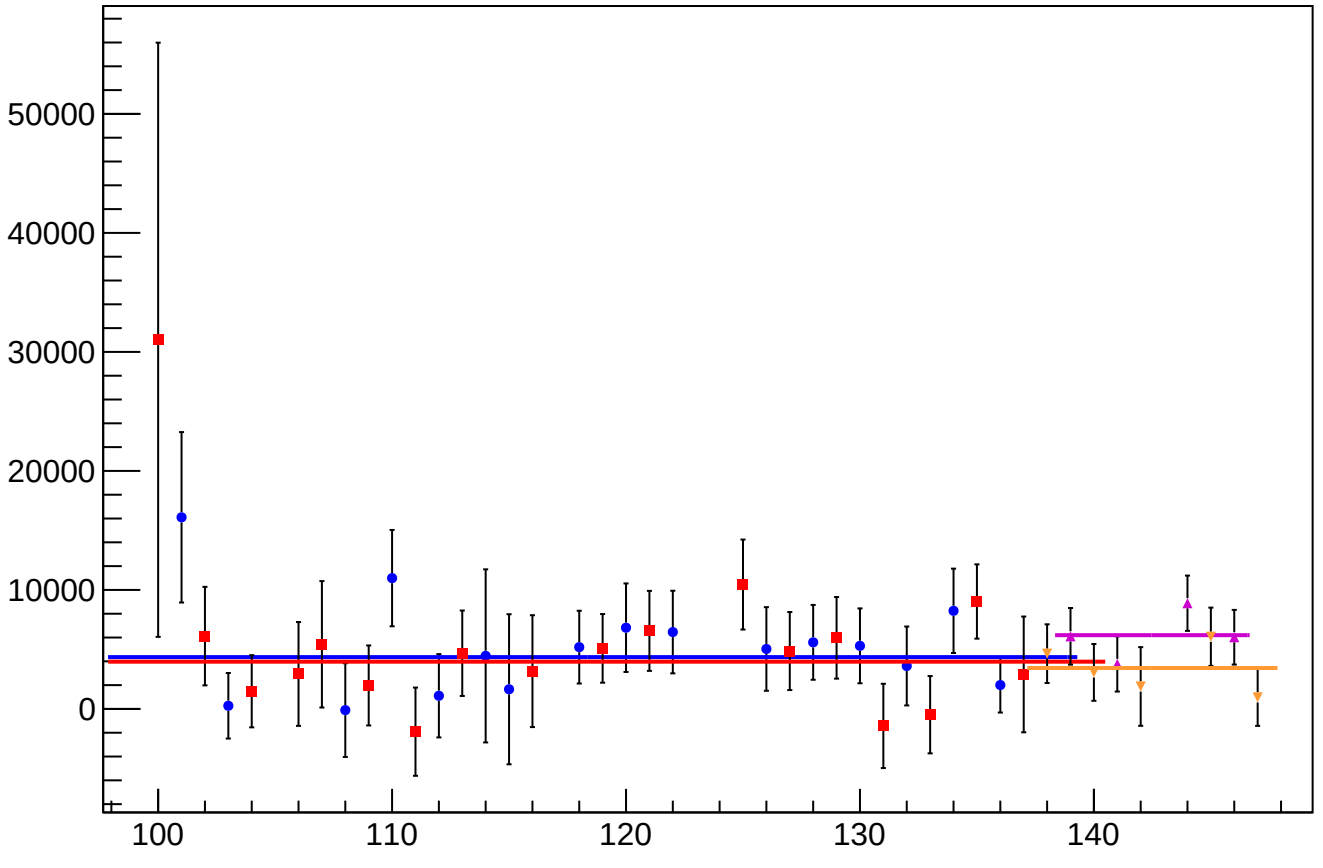
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:21.1/19

Out: -0.000+/-0.000 χ^2/NDF:33.9/24

All: -0.000+/-0.000 χ^2/NDF: 55.3/44


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:97537.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:225118.7/3
Left: 0.000+/-0.000 χ²/NDF: 536906.0/9
Right: 0.000+/-0.000 χ²/NDF: 5846702.2/34
In: 0.000+/-0.000 χ²/NDF:3433692.6/19
Out: 0.000+/-0.000 χ²/NDF:3446393.6/24
All: 0.000+/-0.000 χ²/NDF: 7153116.4/44



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3438.111+/-1137.923 χ^2/NDF:2.7/4

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 6197.912+/-1164.756 χ^2/NDF:2.4/3

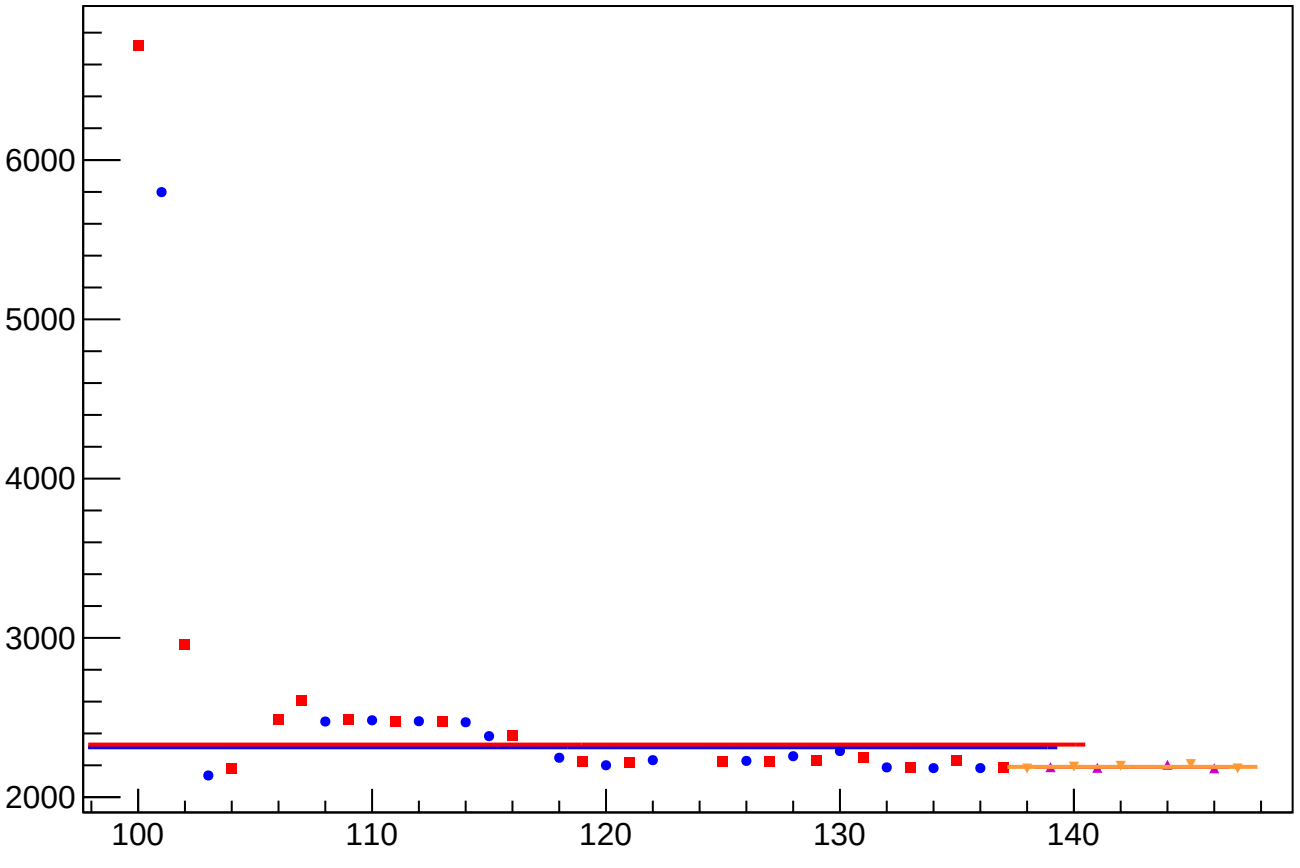
Left: 4785.856+/-813.954 χ^2/NDF: 8.0/8

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 5019.576+/-699.666 χ^2/NDF:17.4/19

Out: 3774.473+/-691.797 χ^2/NDF:19.0/22

All: 4389.983+/-491.933 χ^2/NDF: 38.0/42



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

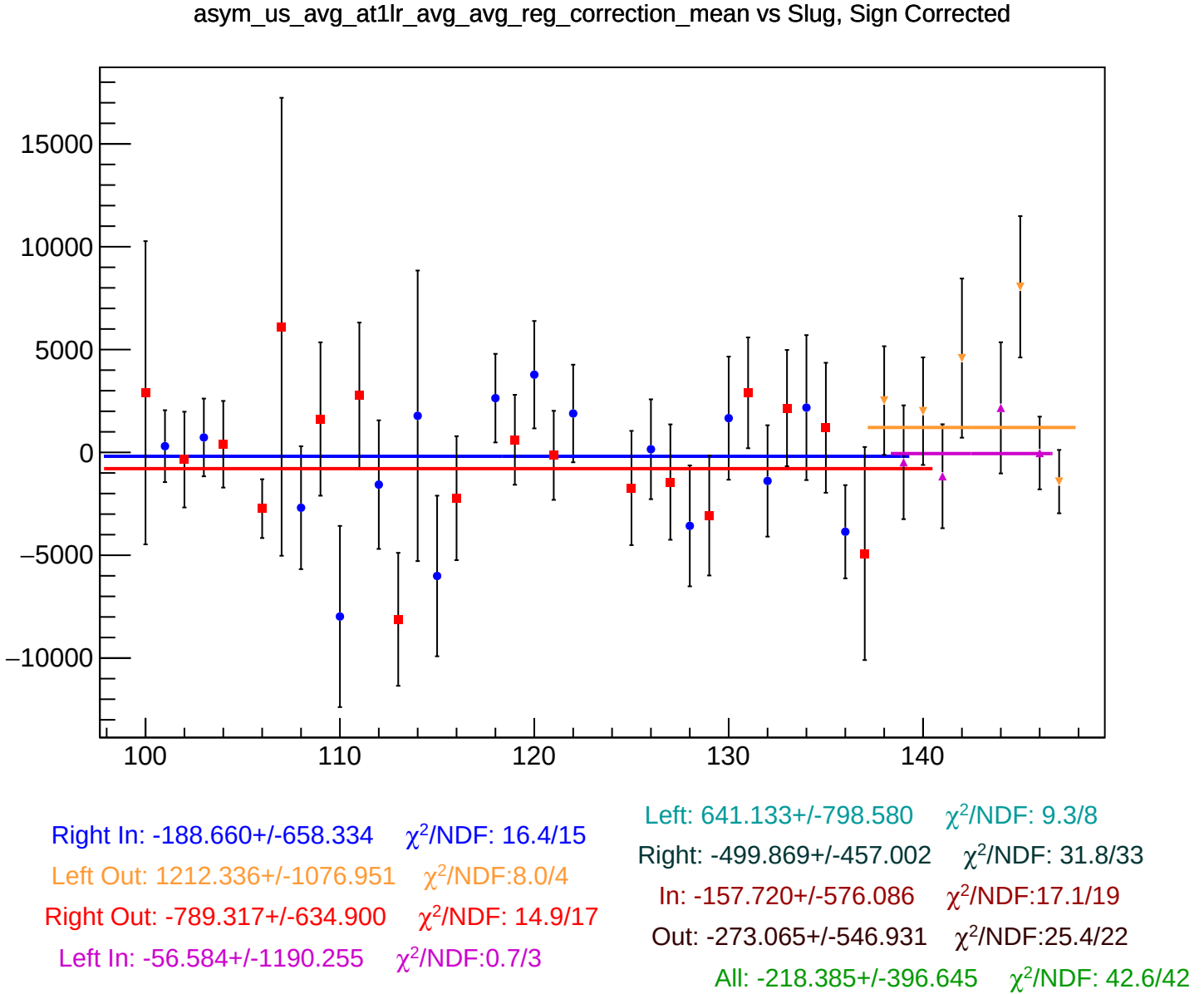
Left: 2189.882+/-0.576 χ^2/NDF: 291.3/8

Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

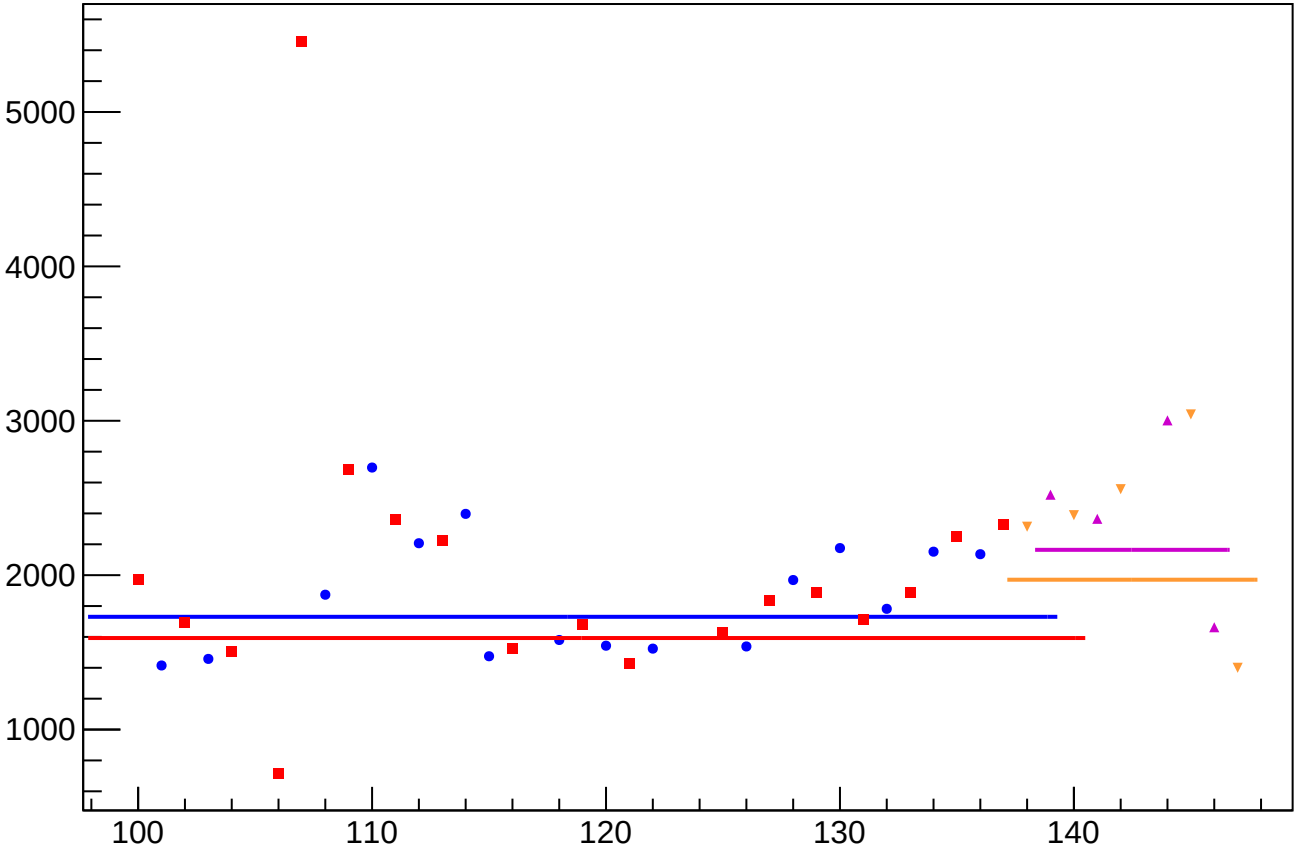
In: 2268.714+/-0.495 χ^2/NDF:526941.0/19

Out: 2278.461+/-0.489 χ^2/NDF:170472.9/22

All: 2273.643+/-0.348 χ^2/NDF: 697610.2/42


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: 1212.336+/-1076.951 χ²/NDF:8.0/4
Right Out: -789.317+/-634.900 χ²/NDF: 14.9/17
Left In: -56.584+/-1190.255 χ²/NDF:0.7/3
Left: 641.133+/-798.580 χ²/NDF: 9.3/8
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: -157.720+/-576.086 χ²/NDF:17.1/19
Out: -273.065+/-546.931 χ²/NDF:25.4/22
All: -218.385+/-396.645 χ²/NDF: 42.6/42

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: 1970.553+/-0.762 χ^2/NDF:598967.5/4

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 2164.123+/-0.842 χ^2/NDF:345282.0/3

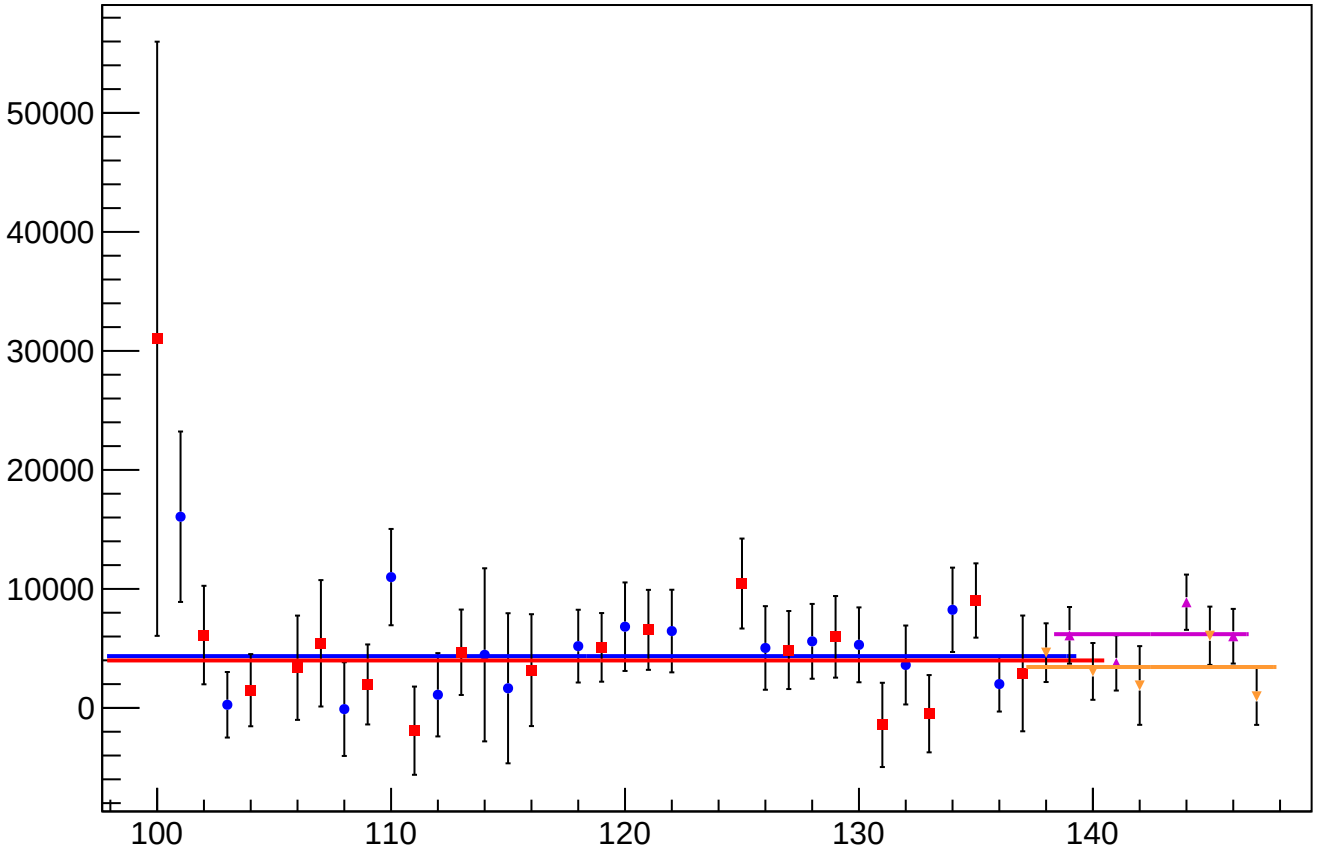
Left: 2057.688+/-0.565 χ^2/NDF: 973334.6/8

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1831.917+/-0.407 χ^2/NDF:1027675.5/19

Out: 1690.245+/-0.387 χ^2/NDF:2337752.2/22

All: 1757.406+/-0.280 χ^2/NDF: 3429043.0/42



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3437.976+/-1137.923 χ^2/NDF:2.7/4

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 6198.176+/-1164.756 χ^2/NDF:2.4/3

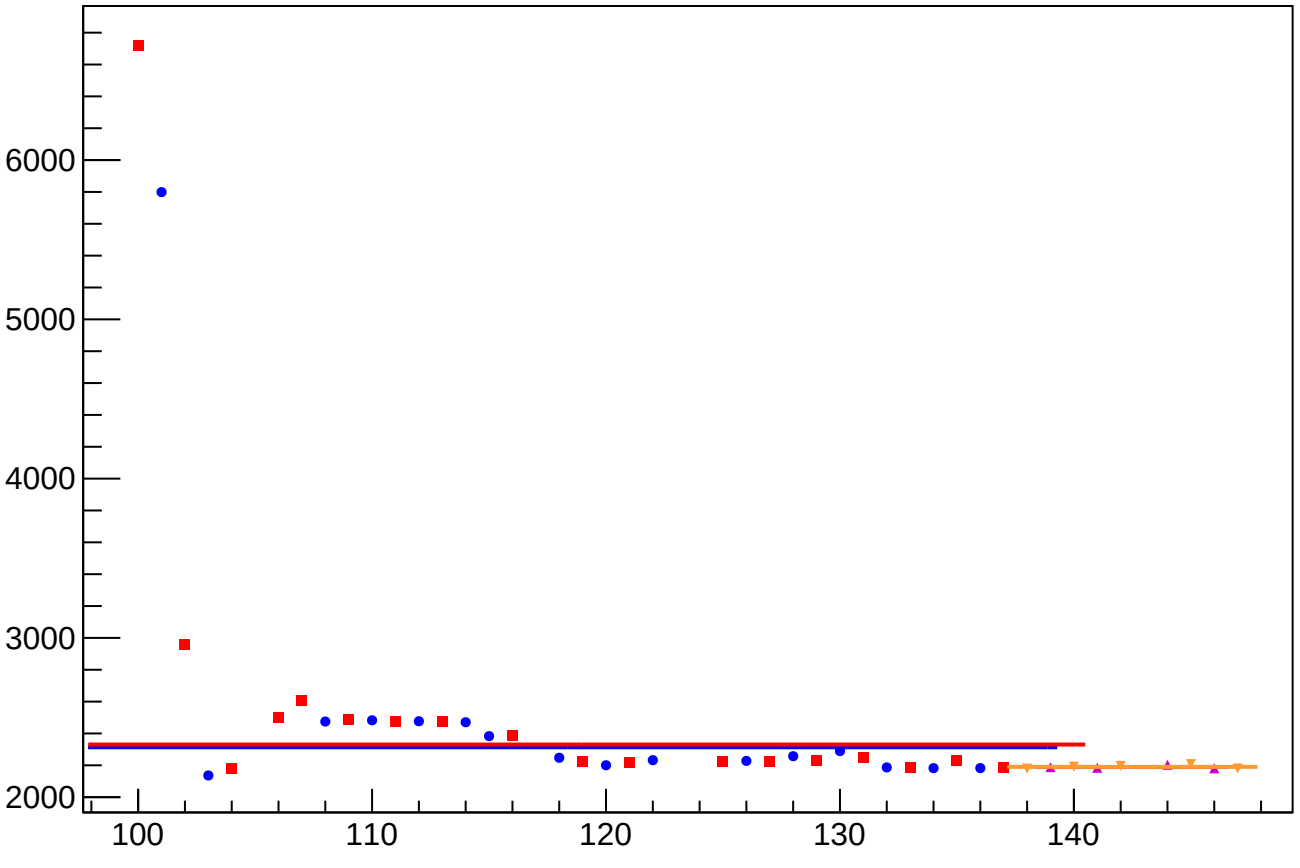
Left: 4785.916+/-813.954 χ^2/NDF: 8.0/8

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 5019.237+/-699.666 χ^2/NDF:17.4/19

Out: 3785.855+/-691.872 χ^2/NDF:19.0/22

All: 4395.638+/-491.960 χ^2/NDF: 37.9/42



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

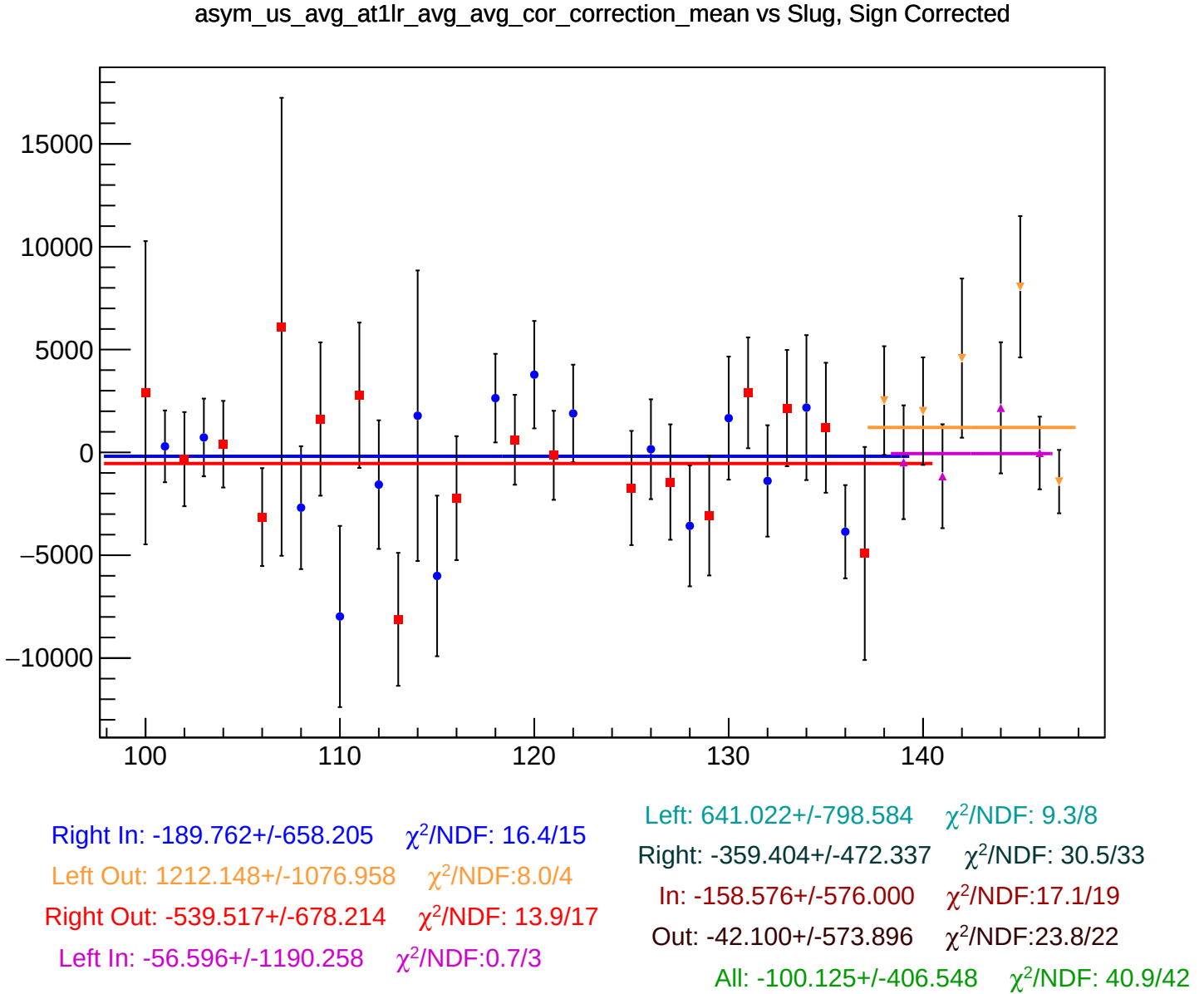
Left: 2189.882+/-0.576 χ^2/NDF: 291.3/8

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

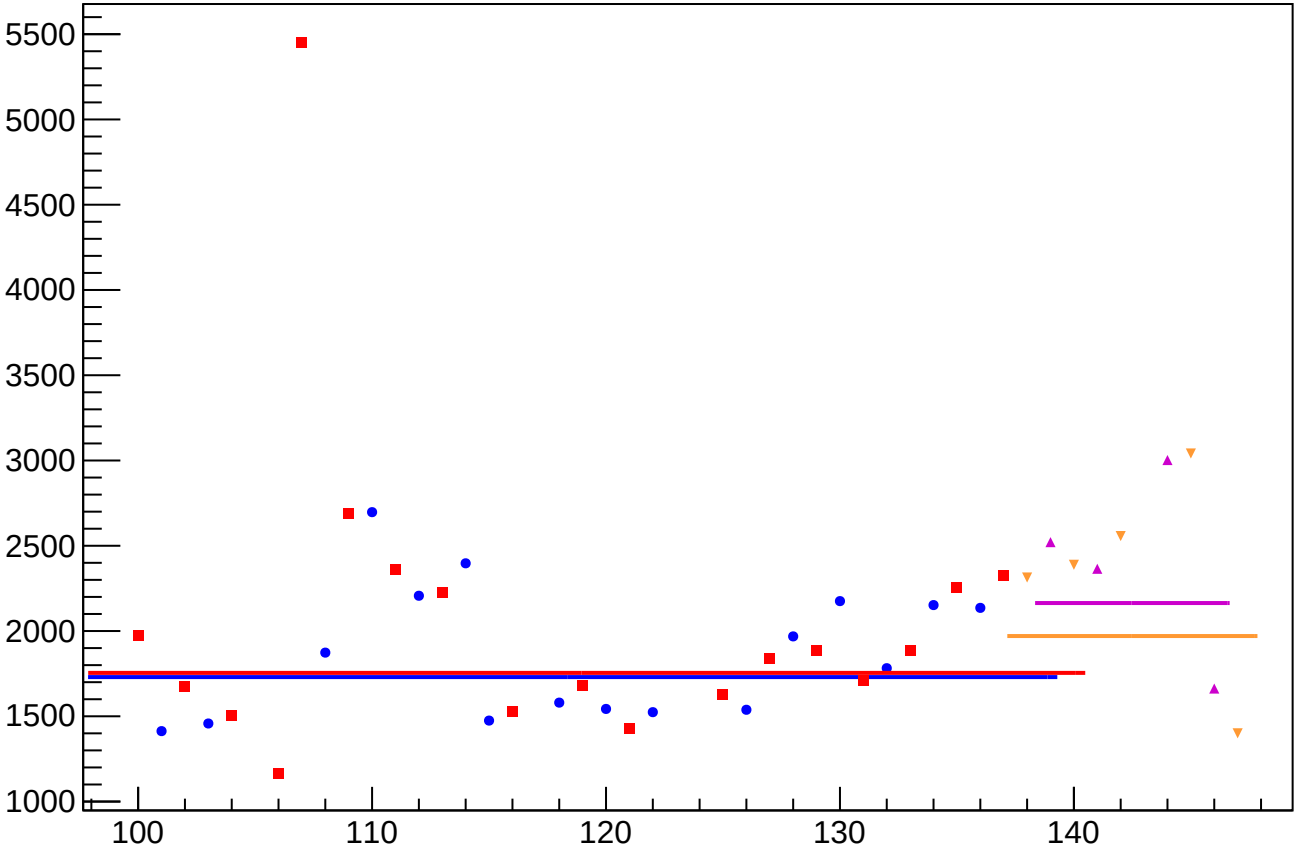
In: 2268.714+/-0.495 χ^2/NDF:526941.4/19

Out: 2278.683+/-0.489 χ^2/NDF:170917.4/22

All: 2273.754+/-0.348 χ^2/NDF: 698064.1/42


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 1212.148+/-1076.958 χ²/NDF:8.0/4
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -56.596+/-1190.258 χ²/NDF:0.7/3
Left: 641.022+/-798.584 χ²/NDF: 9.3/8
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -158.576+/-576.000 χ²/NDF:17.1/19
Out: -42.100+/-573.896 χ²/NDF:23.8/22
All: -100.125+/-406.548 χ²/NDF: 40.9/42

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: 1970.569+/-0.762 χ^2/NDF:598927.7/4

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2164.128+/-0.842 χ^2/NDF:345280.0/3

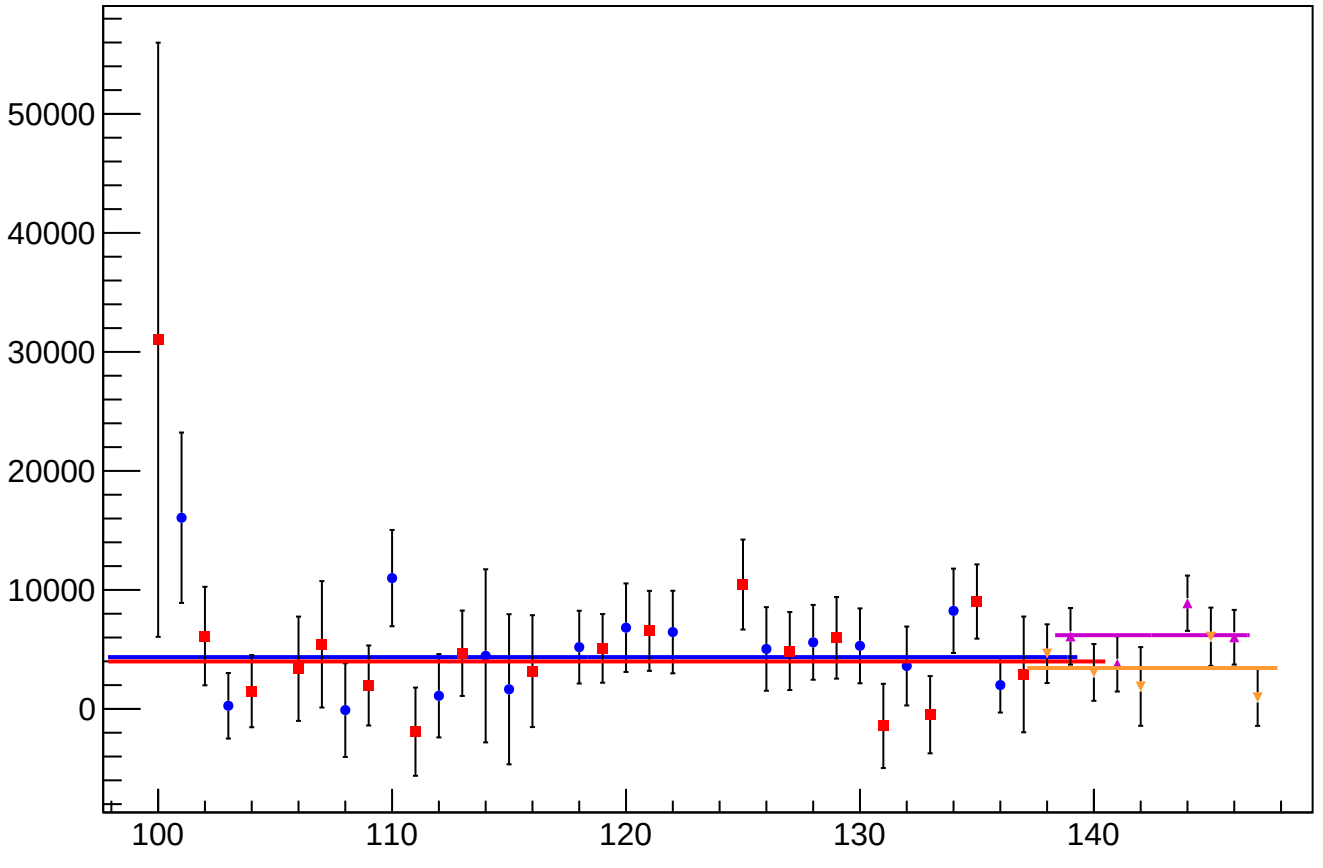
Left: 2057.700+/-0.565 χ^2/NDF: 973289.2/8

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1831.589+/-0.407 χ^2/NDF:1029027.9/19

Out: 1815.876+/-0.406 χ^2/NDF:1407567.2/22

All: 1823.704+/-0.287 χ^2/NDF: 2437342.1/42



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3437.976+/-1137.923 χ^2/NDF:2.7/4

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 6198.176+/-1164.756 χ^2/NDF:2.4/3

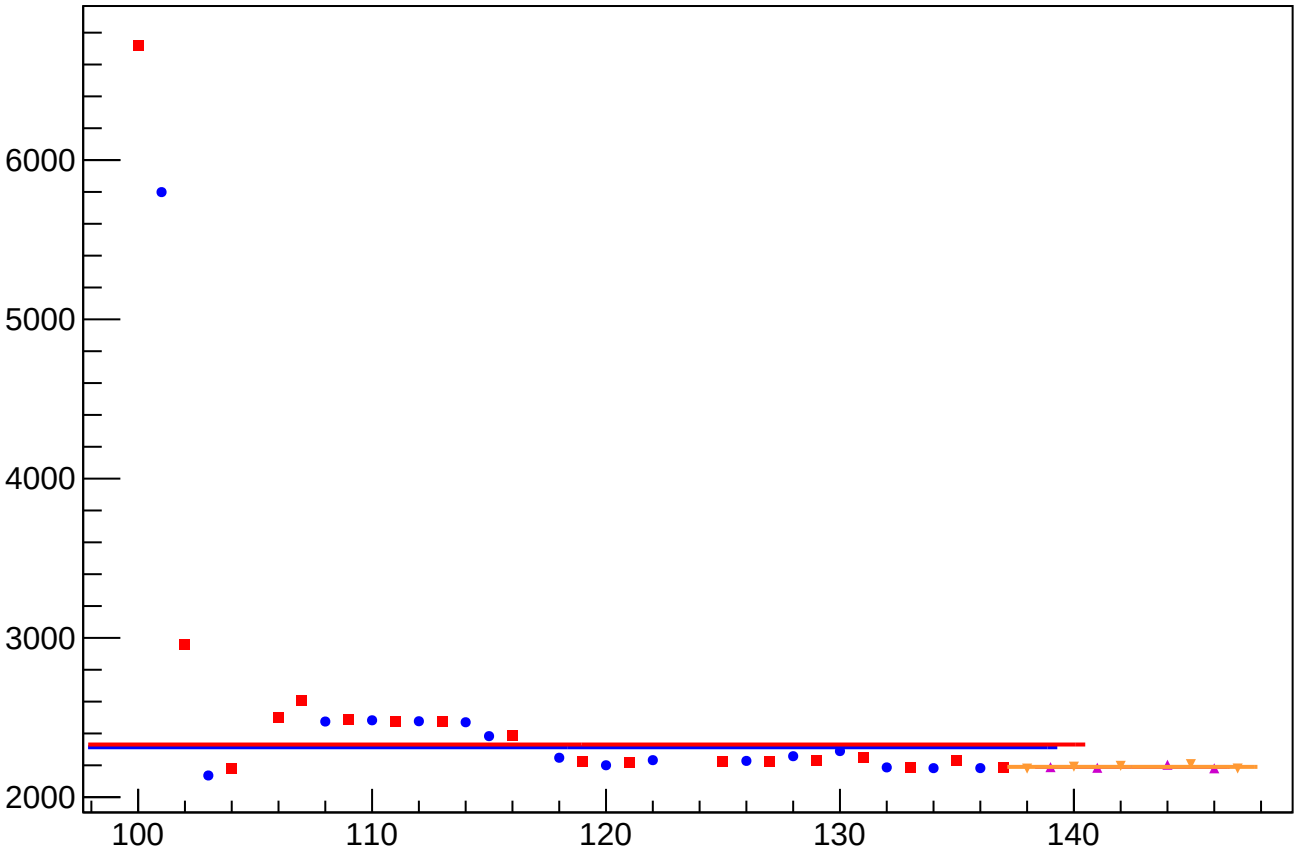
Left: 4785.916+/-813.954 χ^2/NDF: 8.0/8

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 5019.237+/-699.666 χ^2/NDF:17.4/19

Out: 3785.855+/-691.872 χ^2/NDF:19.0/22

All: 4395.638+/-491.960 χ^2/NDF: 37.9/42



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2190.212+/-0.805 χ^2/NDF:181.3/4

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2189.536+/-0.824 χ^2/NDF:109.6/3

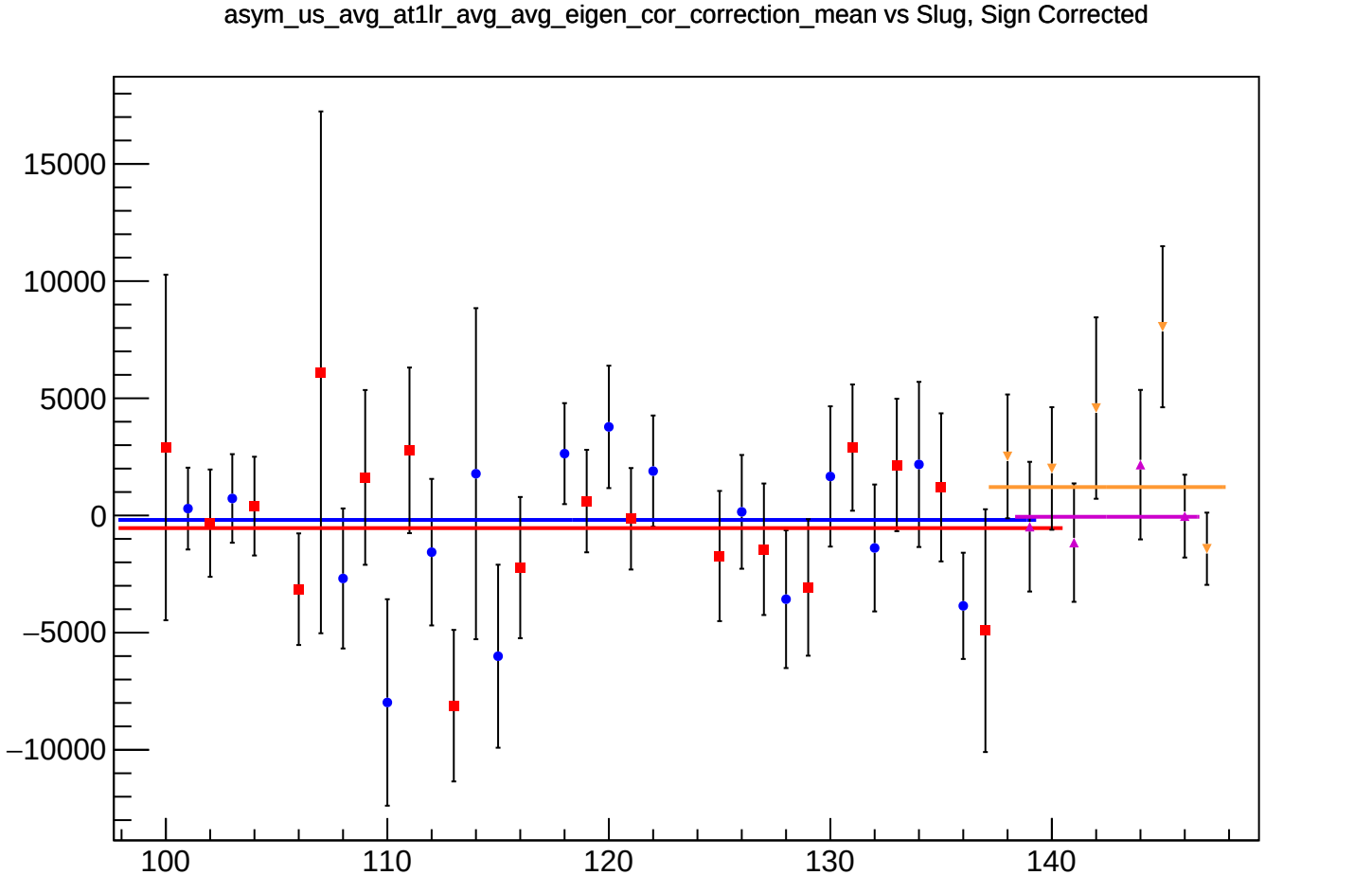
Left: 2189.882+/-0.576 χ^2/NDF: 291.3/8

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

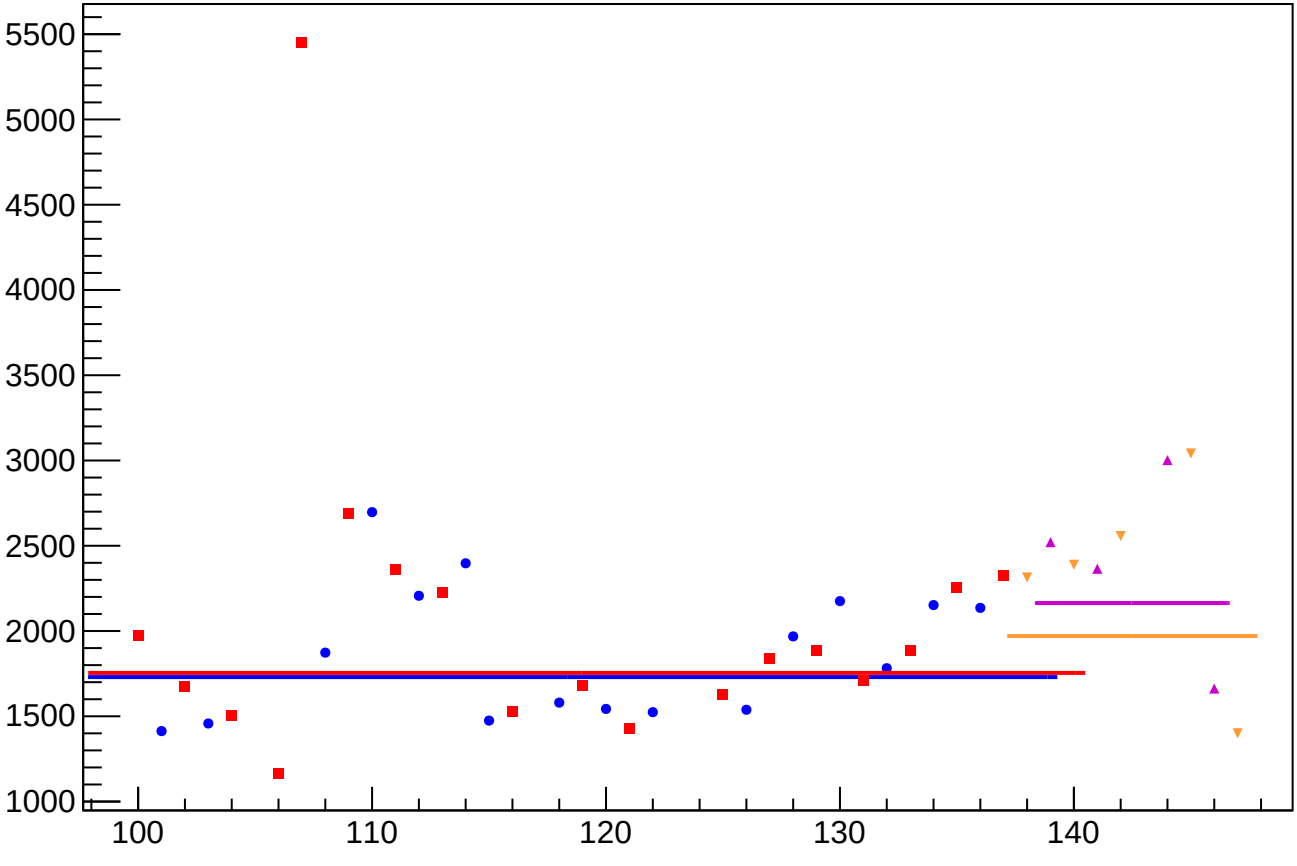
In: 2268.714+/-0.495 χ^2/NDF:526941.4/19

Out: 2278.683+/-0.489 χ^2/NDF:170917.4/22

All: 2273.754+/-0.348 χ^2/NDF: 698064.1/42


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 1212.148+/-1076.958 χ²/NDF:8.0/4
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: -56.596+/-1190.258 χ²/NDF:0.7/3
Left: 641.022+/-798.584 χ²/NDF: 9.3/8
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -158.576+/-576.000 χ²/NDF:17.1/19
Out: -42.100+/-573.896 χ²/NDF:23.8/22
All: -100.125+/-406.548 χ²/NDF: 40.9/42

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: 1970.569+/-0.762 χ^2/NDF:598927.7/4

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 2164.128+/-0.842 χ^2/NDF:345280.0/3

Left: 2057.700+/-0.565 χ^2/NDF: 973289.2/8

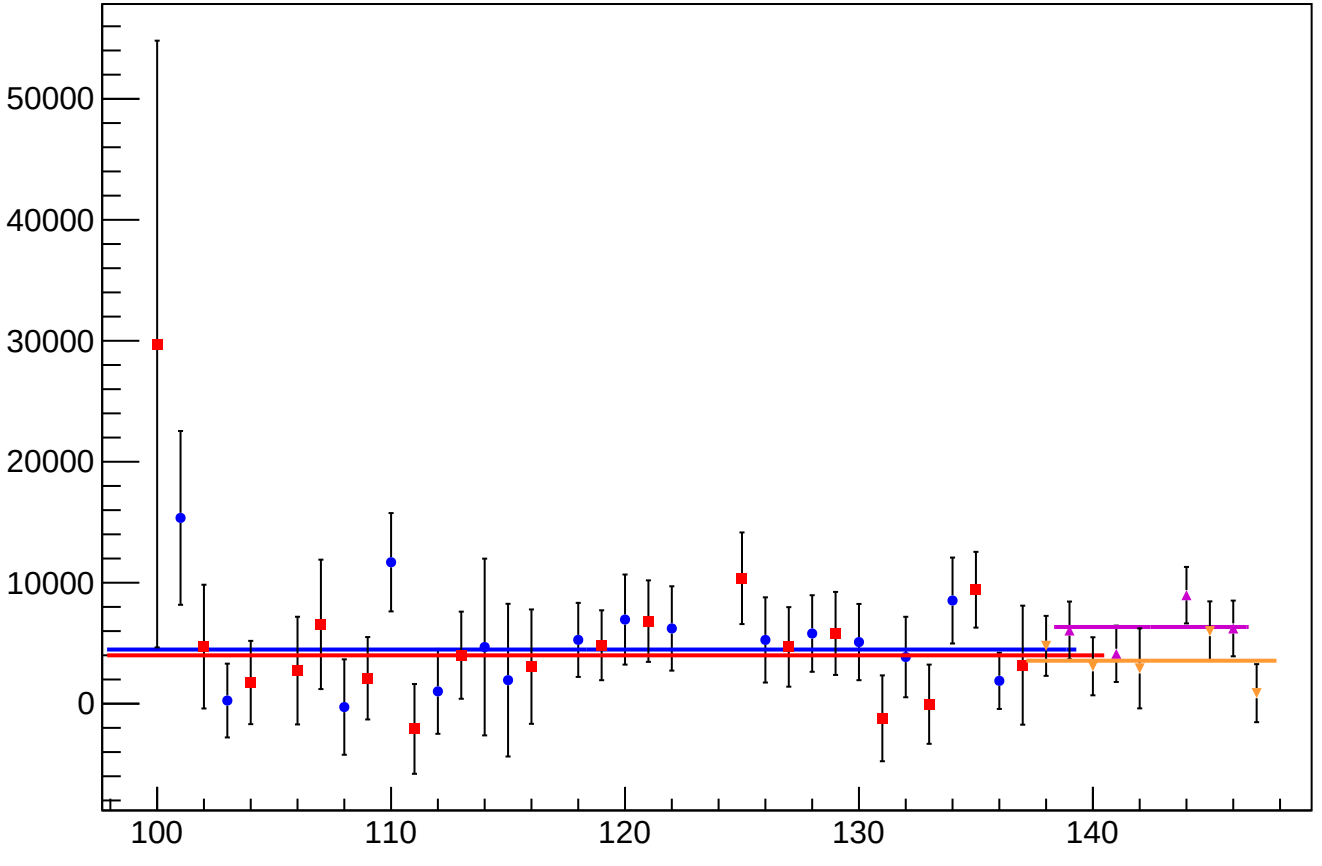
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1831.589+/-0.407 χ^2/NDF:1029027.9/19

Out: 1815.876+/-0.406 χ^2/NDF:1407567.2/22

All: 1823.704+/-0.287 χ^2/NDF: 2437342.1/42

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3551.606+/-1141.969 χ^2/NDF:2.6/4

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 6340.903+/-1169.484 χ^2/NDF:2.2/3

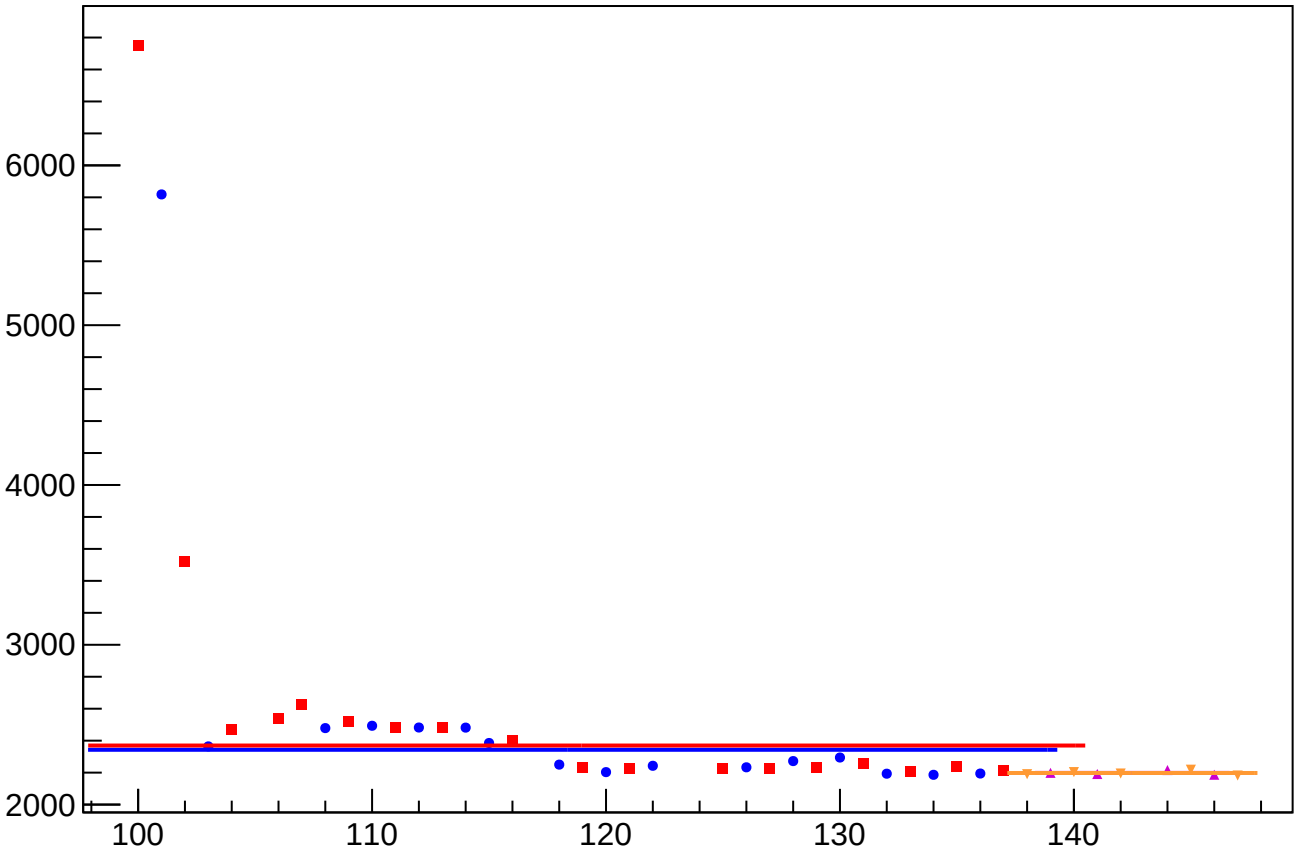
Left: 4913.056+/-817.048 χ^2/NDF: 7.7/8

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 5156.411+/-706.260 χ^2/NDF:17.4/19

Out: 3827.851+/-702.203 χ^2/NDF:18.1/22

All: 4488.304+/-497.960 χ^2/NDF: 37.3/42



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2197.756+/-0.807 χ^2/NDF:257.9/4

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2198.223+/-0.827 χ^2/NDF:184.8/3

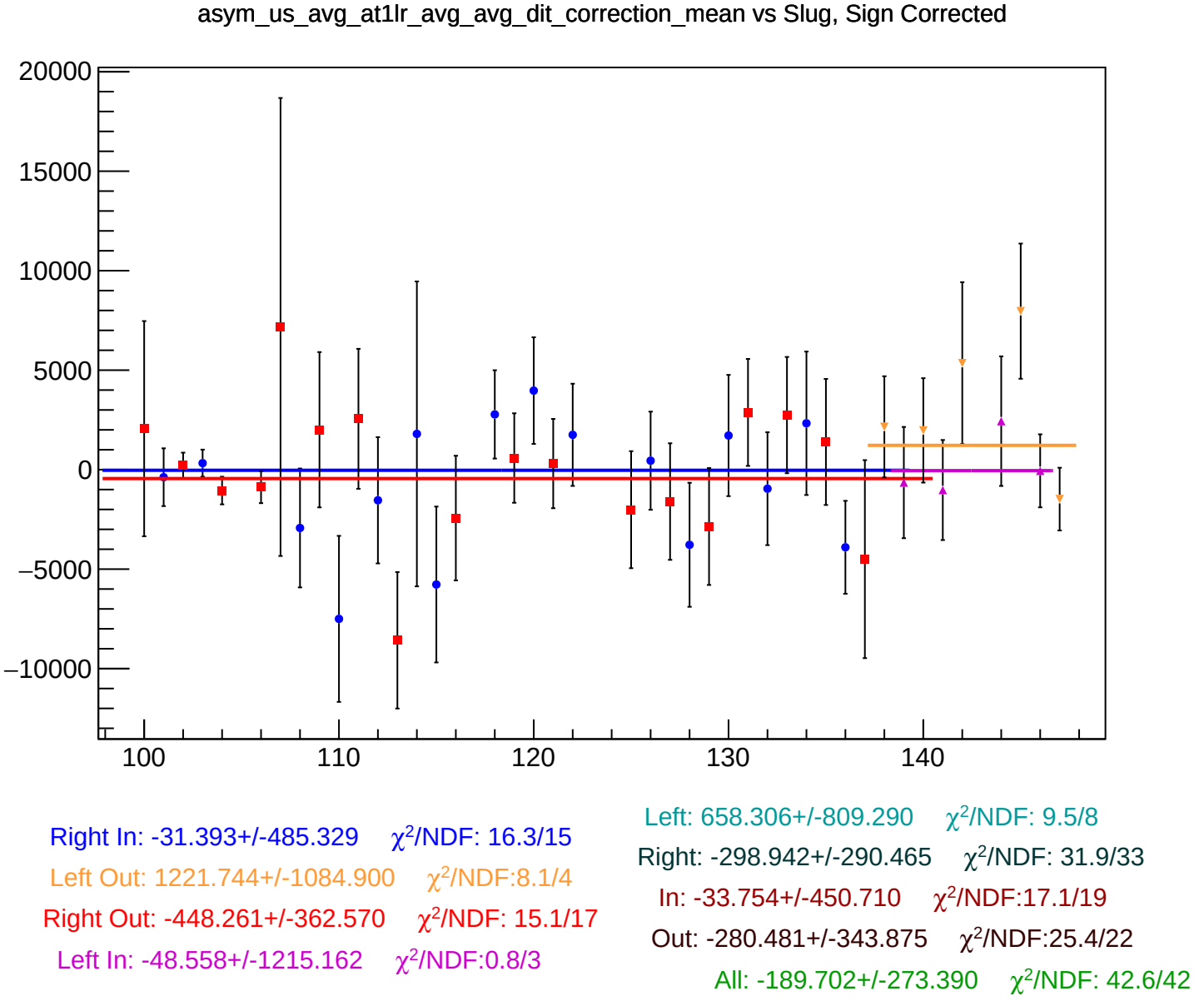
Left: 2197.984+/-0.578 χ^2/NDF: 442.8/8

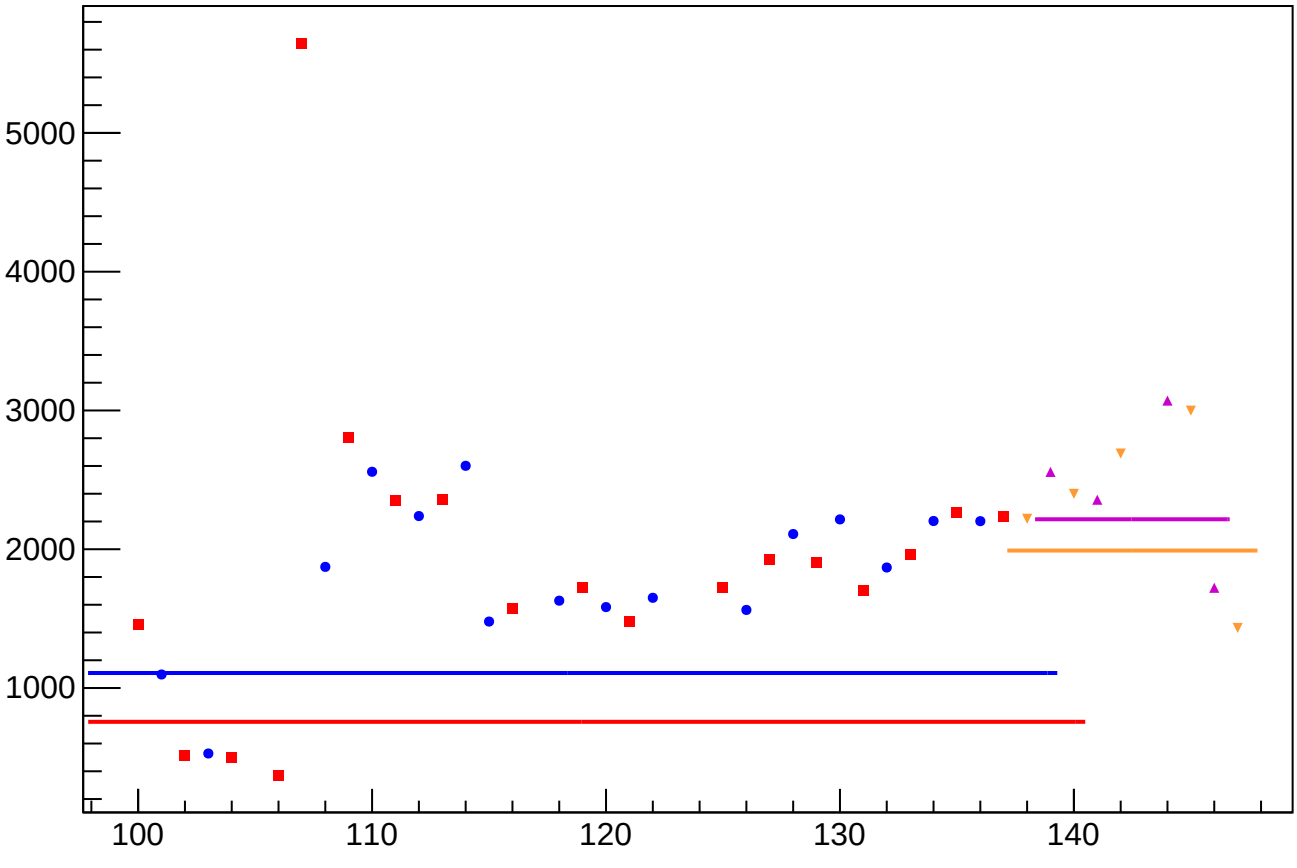
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2290.144+/-0.499 χ^2/NDF:522500.4/19

Out: 2304.607+/-0.497 χ^2/NDF:238561.1/22

All: 2297.418+/-0.352 χ^2/NDF: 761483.2/42


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -31.393+/-485.329 χ²/NDF: 16.3/15
Left Out: 1221.744+/-1084.900 χ²/NDF:8.1/4
Right Out: -448.261+/-362.570 χ²/NDF: 15.1/17
Left In: -48.558+/-1215.162 χ²/NDF:0.8/3
Left: 658.306+/-809.290 χ²/NDF: 9.5/8
Right: -298.942+/-290.465 χ²/NDF: 31.9/33
In: -33.754+/-450.710 χ²/NDF:17.1/19
Out: -280.481+/-343.875 χ²/NDF:25.4/22
All: -189.702+/-273.390 χ²/NDF: 42.6/42



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1990.550+/-0.767 χ^2/NDF:550194.2/4

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2216.058+/-0.859 χ^2/NDF:318684.0/3

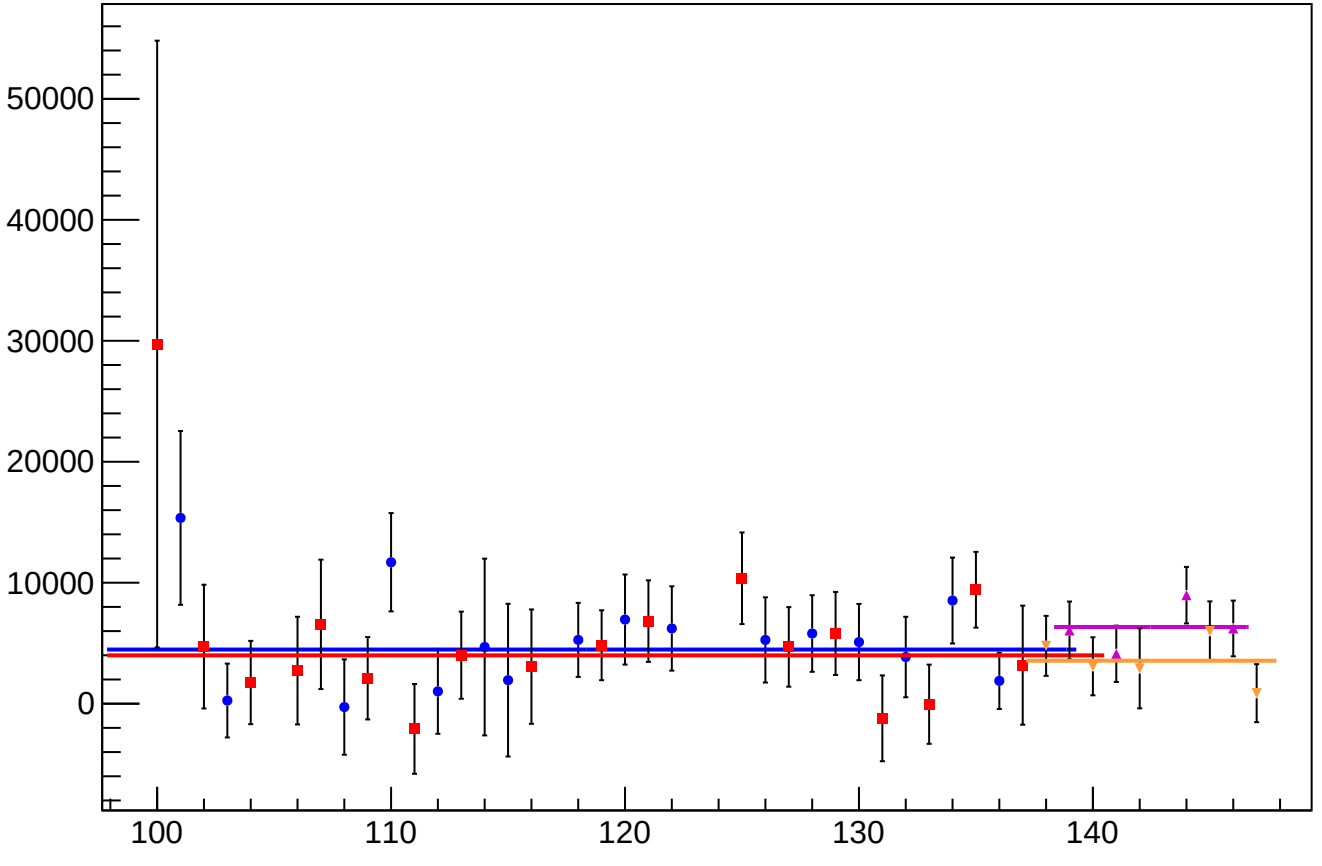
Left: 2090.573+/-0.572 χ^2/NDF: 907206.1/8

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1260.557+/-0.319 χ^2/NDF:5499001.3/19

Out: 880.408+/-0.243 χ^2/NDF:8481449.5/22

All: 1020.277+/-0.193 χ^2/NDF: 14879751.1/4



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3551.612+/-1141.969 χ^2/NDF:2.6/4

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 6340.902+/-1169.484 χ^2/NDF:2.2/3

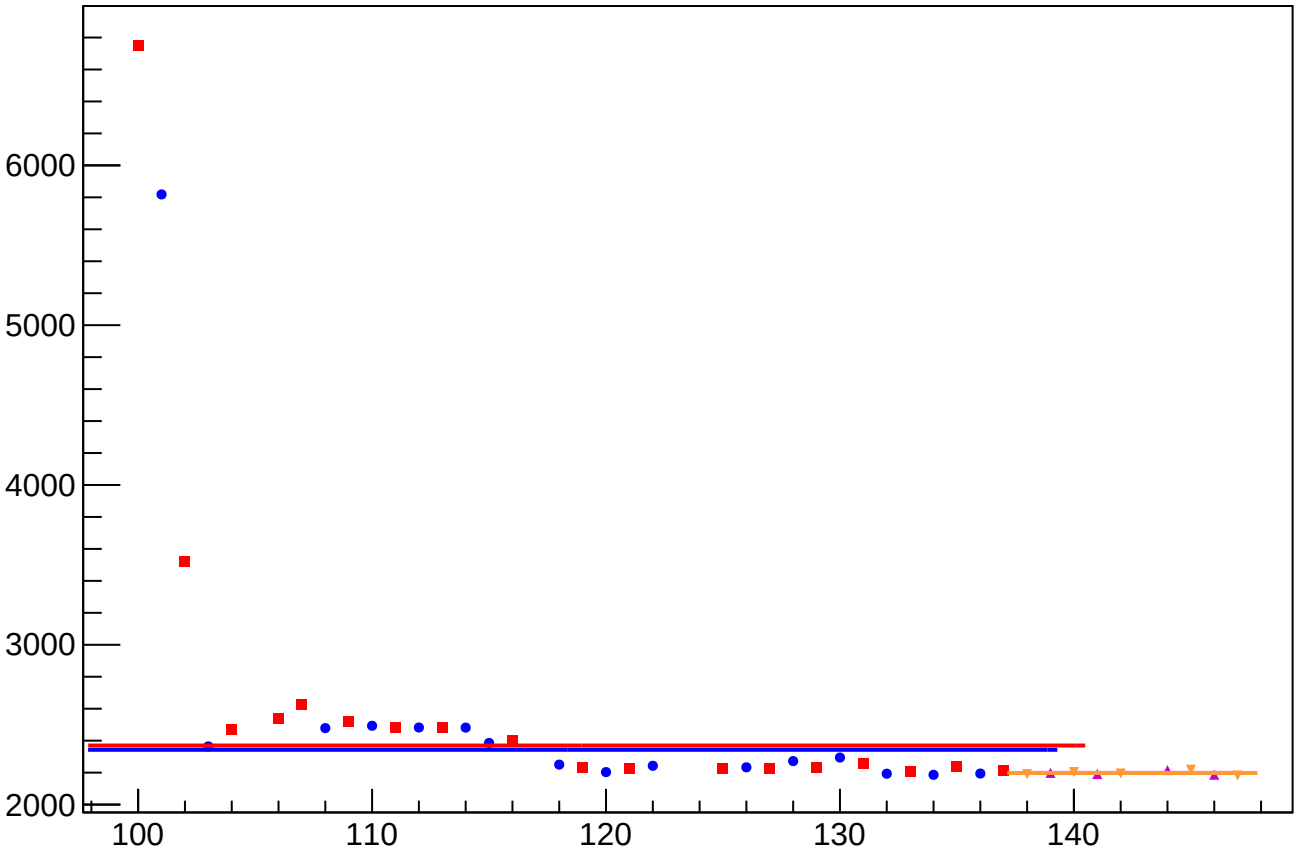
Left: 4913.058+/-817.048 χ^2/NDF: 7.7/8

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 5156.407+/-706.260 χ^2/NDF:17.4/19

Out: 3827.851+/-702.203 χ^2/NDF:18.1/22

All: 4488.302+/-497.960 χ^2/NDF: 37.3/42



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2197.756+/-0.807 χ^2/NDF:257.9/4

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2198.223+/-0.827 χ^2/NDF:184.8/3

Left: 2197.984+/-0.578 χ^2/NDF: 442.8/8

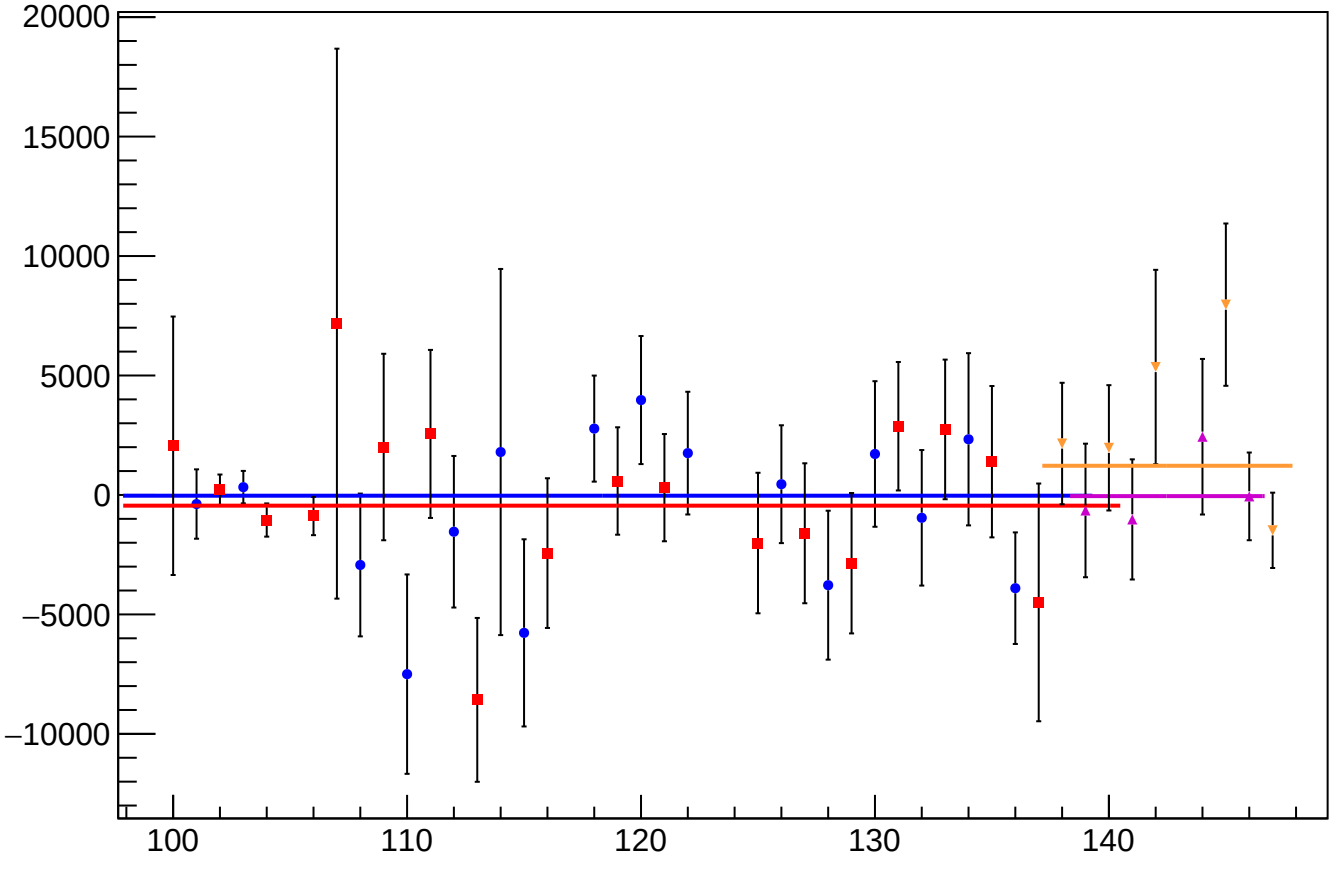
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2290.144+/-0.499 χ^2/NDF:522500.3/19

Out: 2304.607+/-0.497 χ^2/NDF:238559.8/22

All: 2297.417+/-0.352 χ^2/NDF: 761481.9/42

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: 1221.742+/-1084.902 χ^2/NDF:8.1/4

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: -48.560+/-1215.164 χ^2/NDF:0.8/3

Left: 658.303+/-809.291 χ^2/NDF: 9.5/8

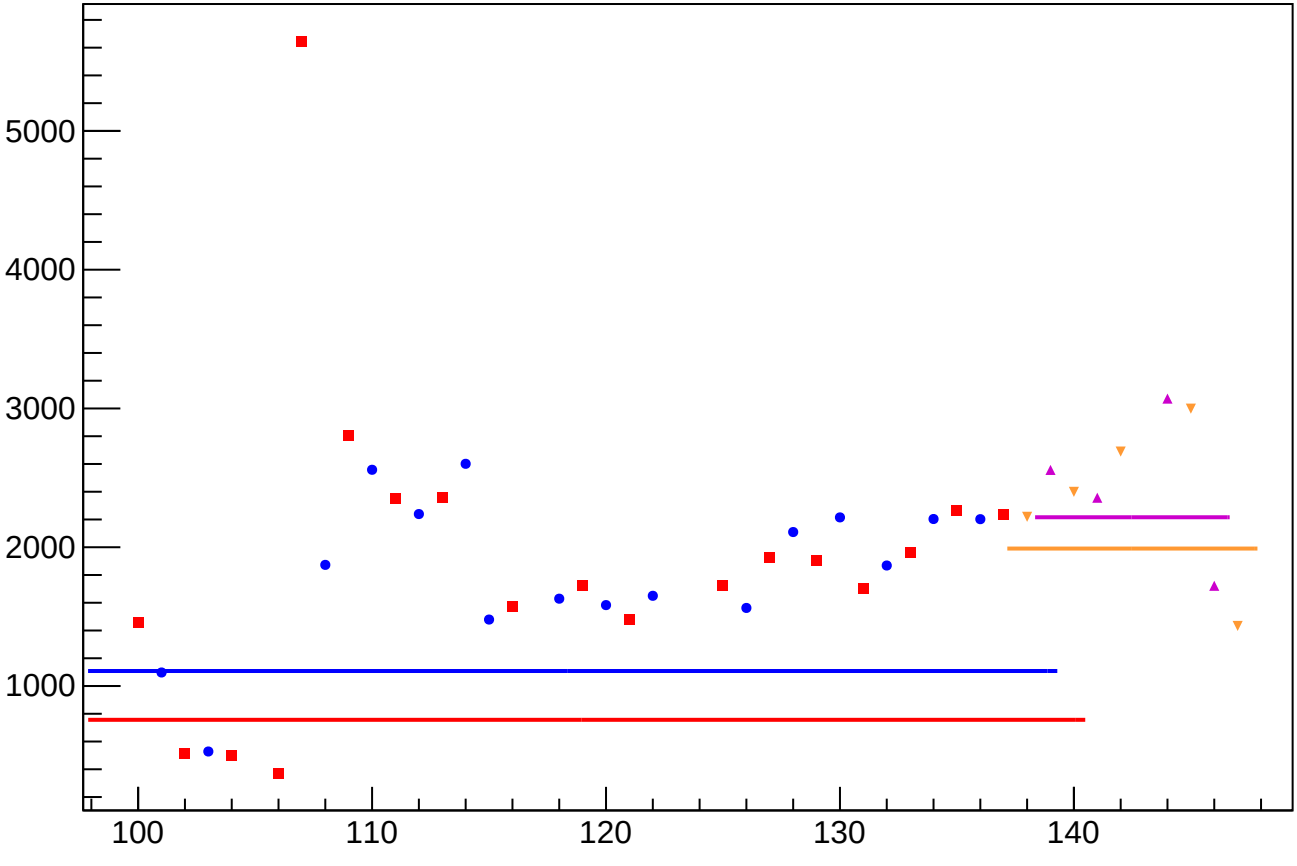
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: -33.761+/-450.713 χ^2/NDF:17.1/19

Out: -280.481+/-343.879 χ^2/NDF:25.4/22

All: -189.704+/-273.392 χ^2/NDF: 42.6/42

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: 1990.553+/-0.767 χ^2/NDF:550194.4/4

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2216.062+/-0.859 χ^2/NDF:318684.3/3

Left: 2090.577+/-0.572 χ^2/NDF: 907206.6/8

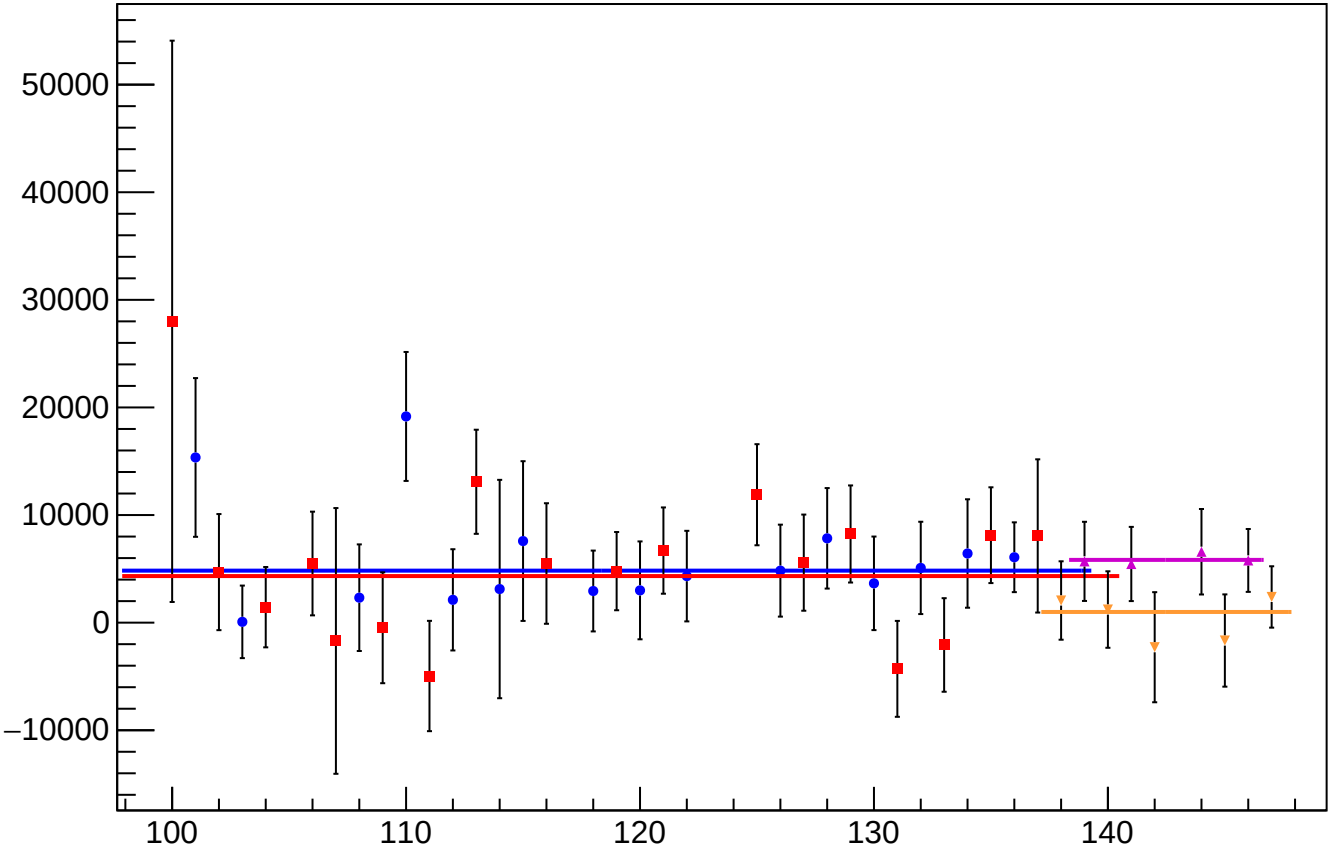
Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1260.567+/-0.319 χ^2/NDF:5498904.4/19

Out: 880.424+/-0.243 χ^2/NDF:8481273.8/22

All: 1020.293+/-0.193 χ^2/NDF: 14879434.5/4

asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 992.894+/-1644.012 χ^2/NDF:1.1/4

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 5832.040+/-1718.672 χ^2/NDF:0.1/3

Left: 3305.079+/-1188.009 χ^2/NDF: 5.3/8

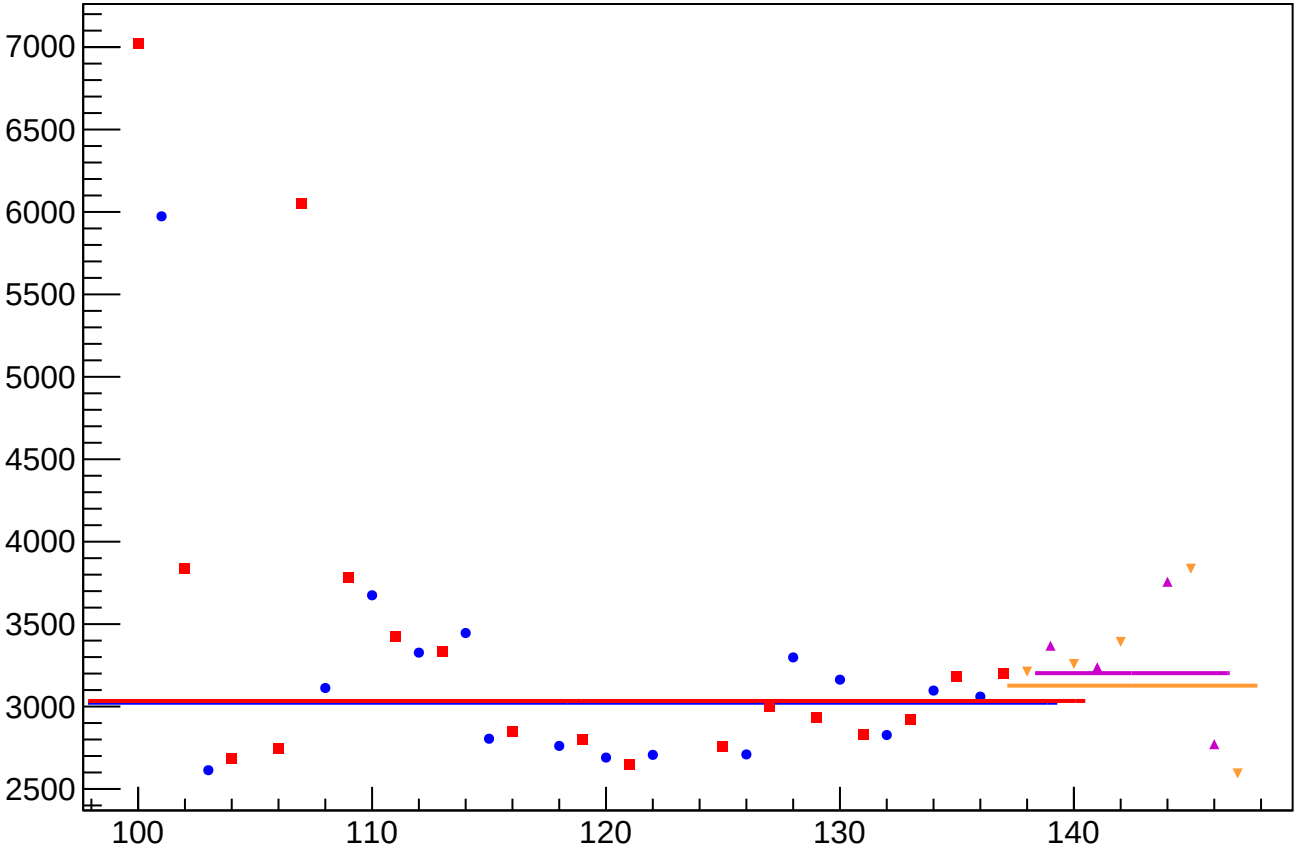
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 5139.749+/-951.475 χ^2/NDF:12.0/19

Out: 3239.649+/-939.324 χ^2/NDF:23.8/22

All: 4177.489+/-668.457 χ^2/NDF: 37.8/42

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: 3126.663+/-1.162 χ^2/NDF:133653.9/4

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3202.531+/-1.215 χ^2/NDF:86776.8/3

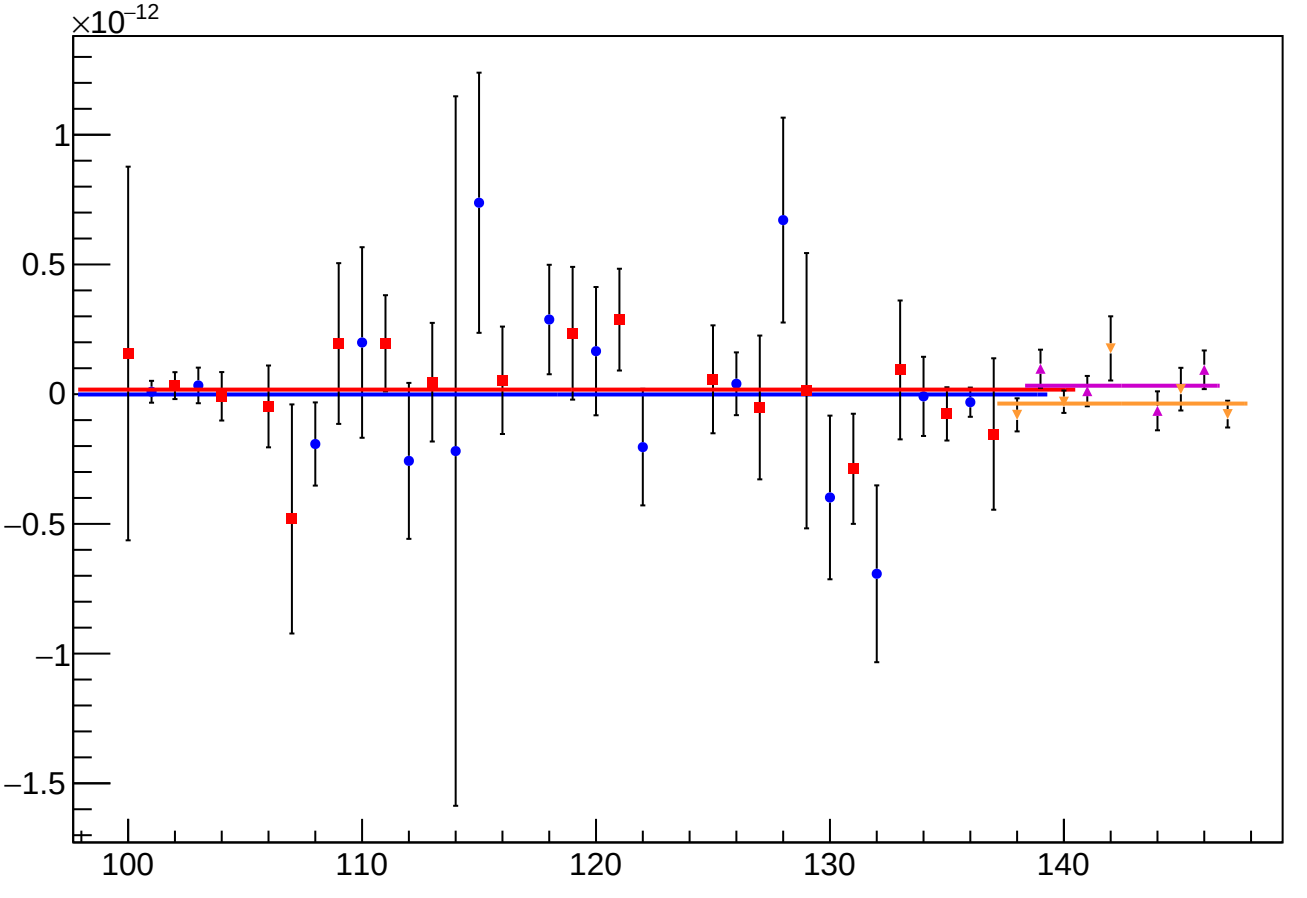
Left: 3162.913+/-0.840 χ^2/NDF: 222465.8/8

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3078.071+/-0.673 χ^2/NDF:545605.9/19

Out: 3064.161+/-0.664 χ^2/NDF:480620.3/22

All: 3071.027+/-0.473 χ^2/NDF: 1026442.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.3/3

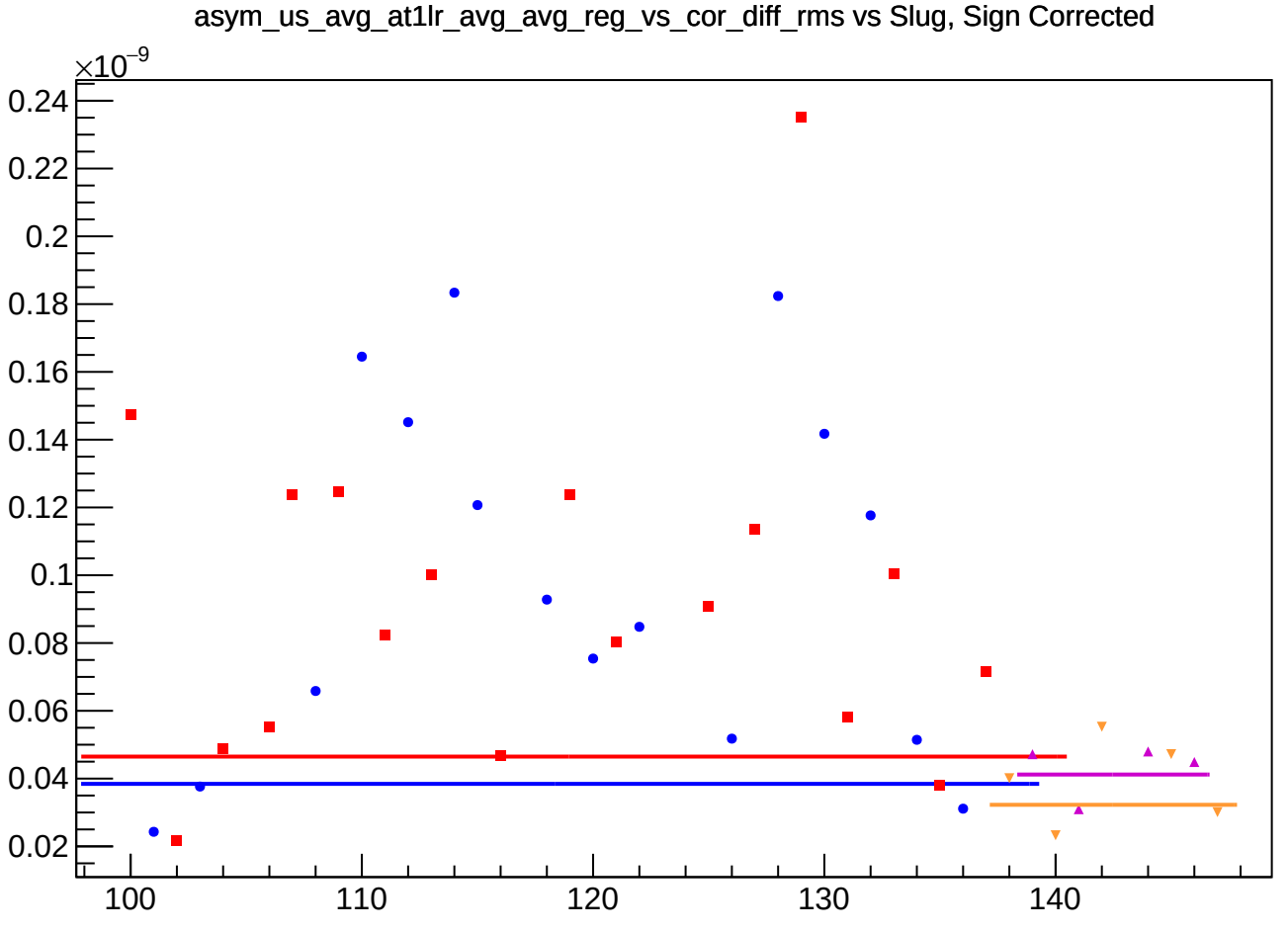
Left: -0.000+/-0.000 χ^2/NDF: 10.3/8

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

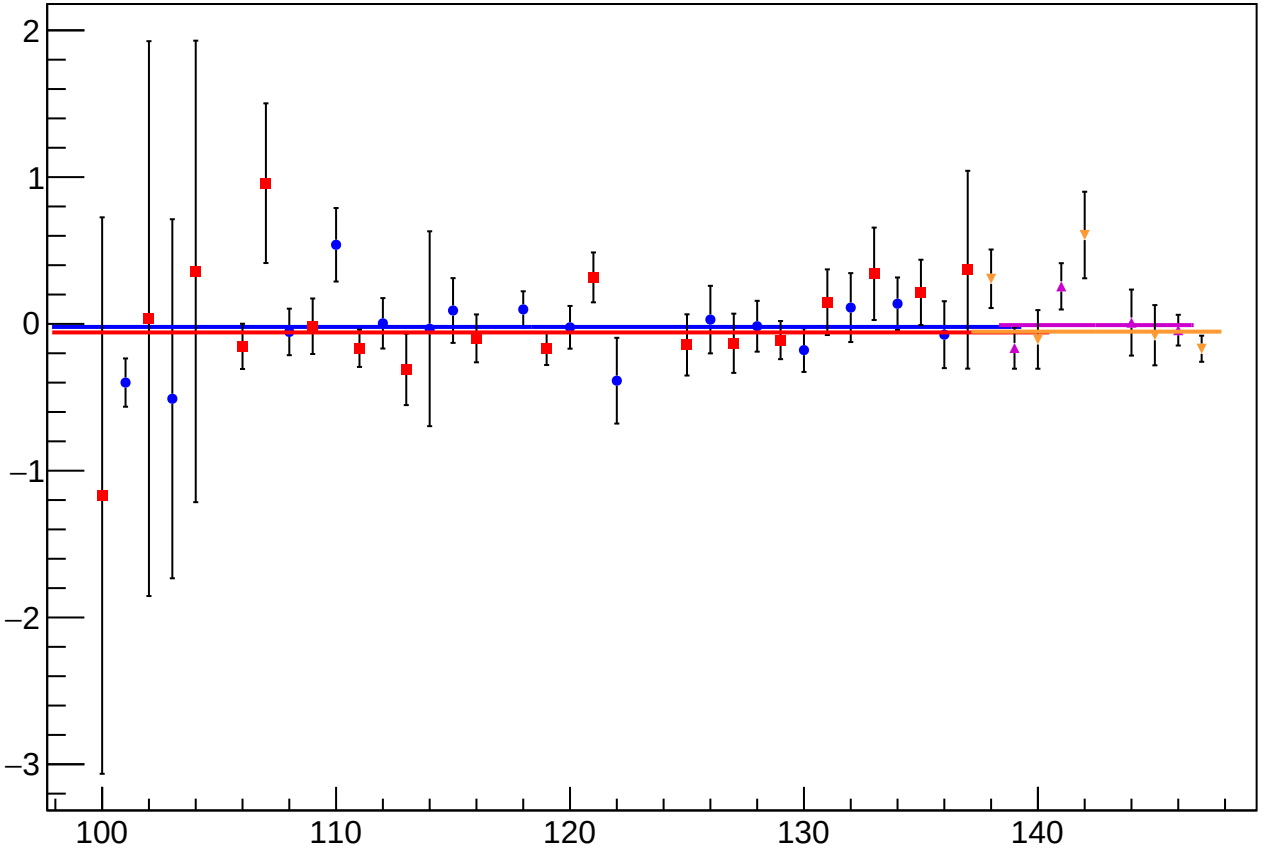
In: 0.000+/-0.000 χ^2/NDF:20.9/19

Out: -0.000+/-0.000 χ^2/NDF:15.0/22

All: -0.000+/-0.000 χ^2/NDF: 36.8/42


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
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:256168.4/4
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:95843.7/3
Left: 0.000+/-0.000 χ²/NDF: 434853.1/8
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:1875072.6/19
Out: 0.000+/-0.000 χ²/NDF:2164176.4/22
All: 0.000+/-0.000 χ²/NDF: 4046610.5/42

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: -0.053+/-0.069 χ^2/NDF:10.0/4

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.070 χ^2/NDF:4.1/3

Left: -0.031+/-0.049 χ^2/NDF: 14.4/8

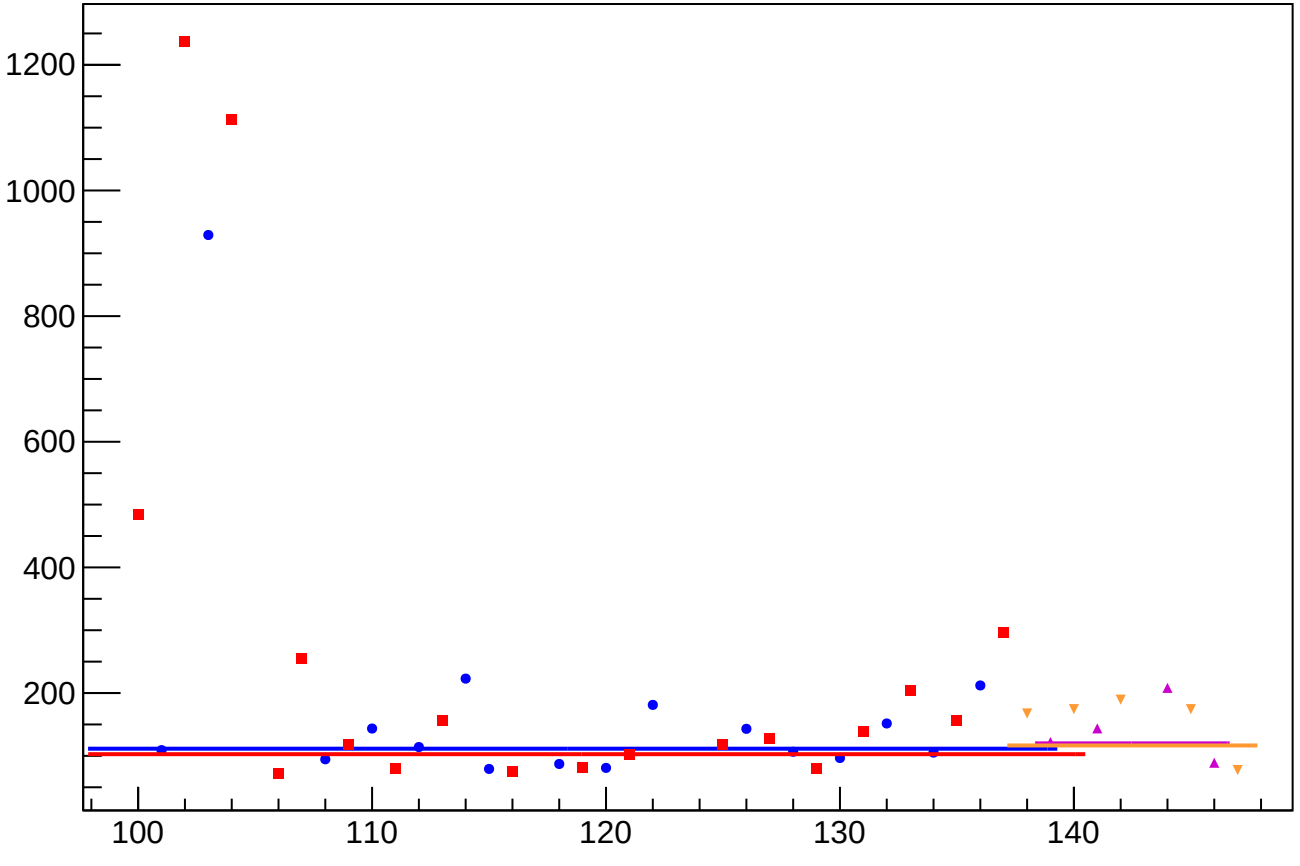
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.017+/-0.039 χ^2/NDF:19.8/19

Out: -0.056+/-0.038 χ^2/NDF:26.9/22

All: -0.037+/-0.028 χ^2/NDF: 47.2/42

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 116.546+/-0.049 χ^2/NDF:965616.2/4

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 119.911+/-0.050 χ^2/NDF:528154.3/3

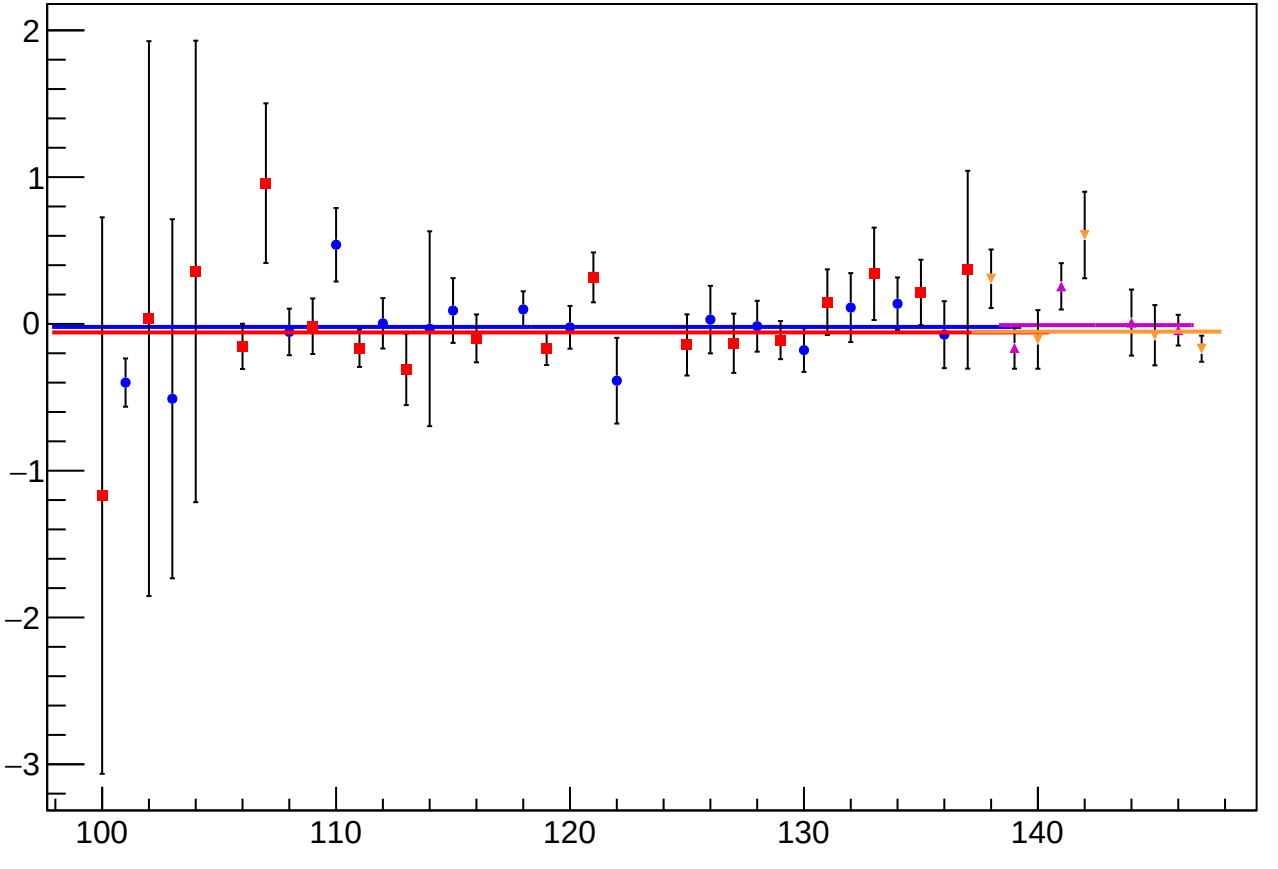
Left: 118.186+/-0.035 χ^2/NDF: 1496109.4/8

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 114.074+/-0.028 χ^2/NDF:2387515.5/19

Out: 107.019+/-0.027 χ^2/NDF:3848469.6/22

All: 110.455+/-0.019 χ^2/NDF: 6268778.1/42



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.053+/-0.069 χ^2/NDF:10.0/4

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.070 χ^2/NDF:4.1/3

Left: -0.031+/-0.049 χ^2/NDF: 14.4/8

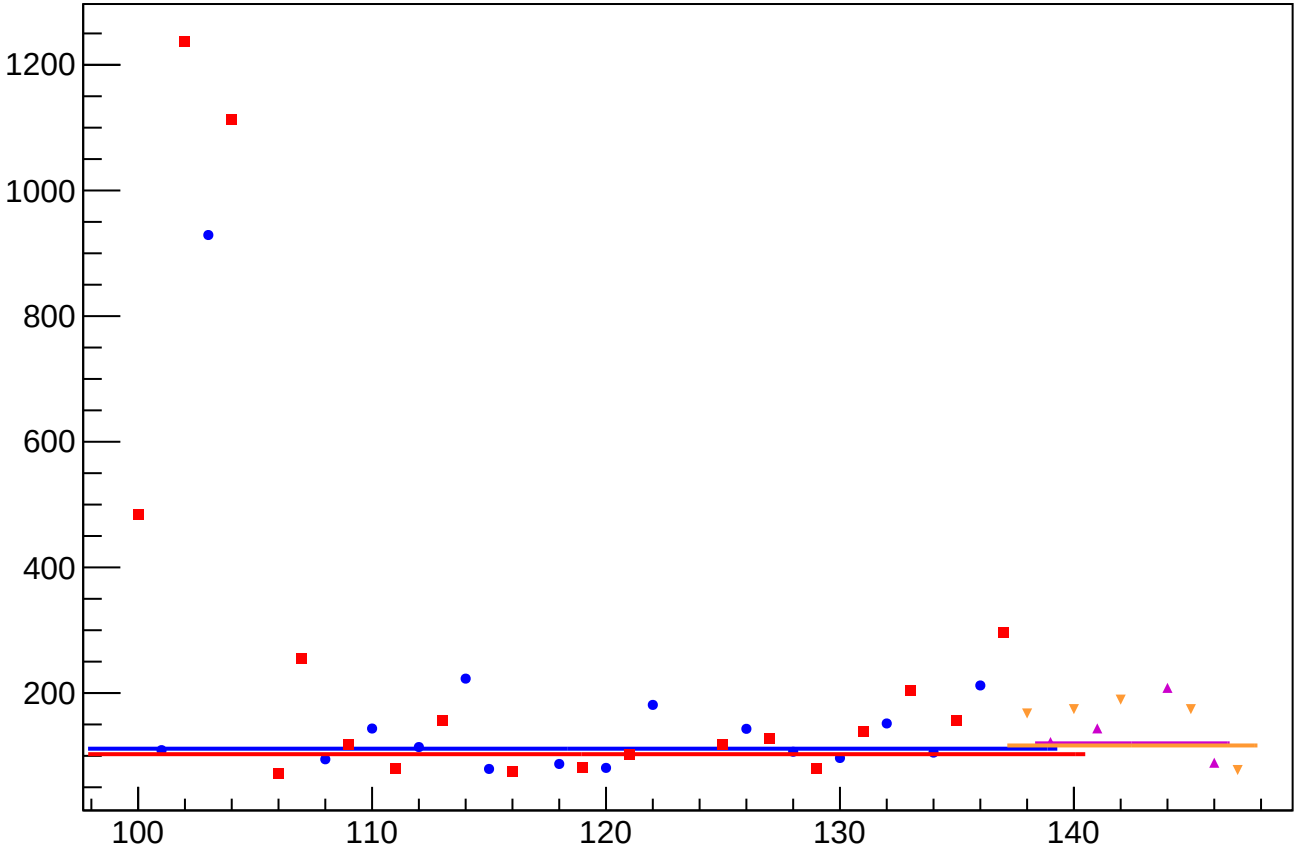
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.017+/-0.039 χ^2/NDF:19.8/19

Out: -0.056+/-0.038 χ^2/NDF:26.9/22

All: -0.037+/-0.028 χ^2/NDF: 47.2/42

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 116.546+/-0.049 χ^2/NDF:965616.2/4

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 119.911+/-0.050 χ^2/NDF:528154.3/3

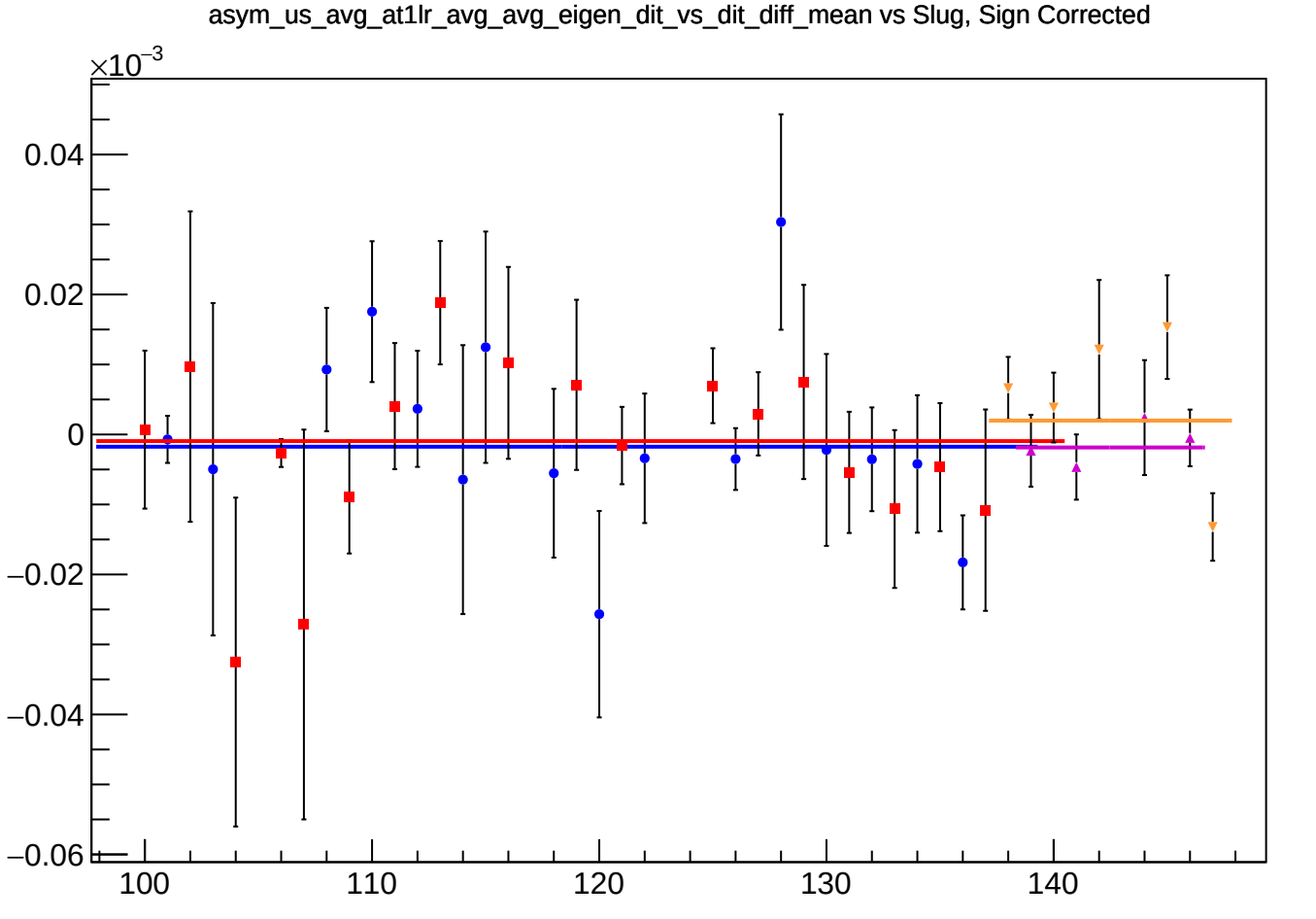
Left: 118.186+/-0.035 χ^2/NDF: 1496109.4/8

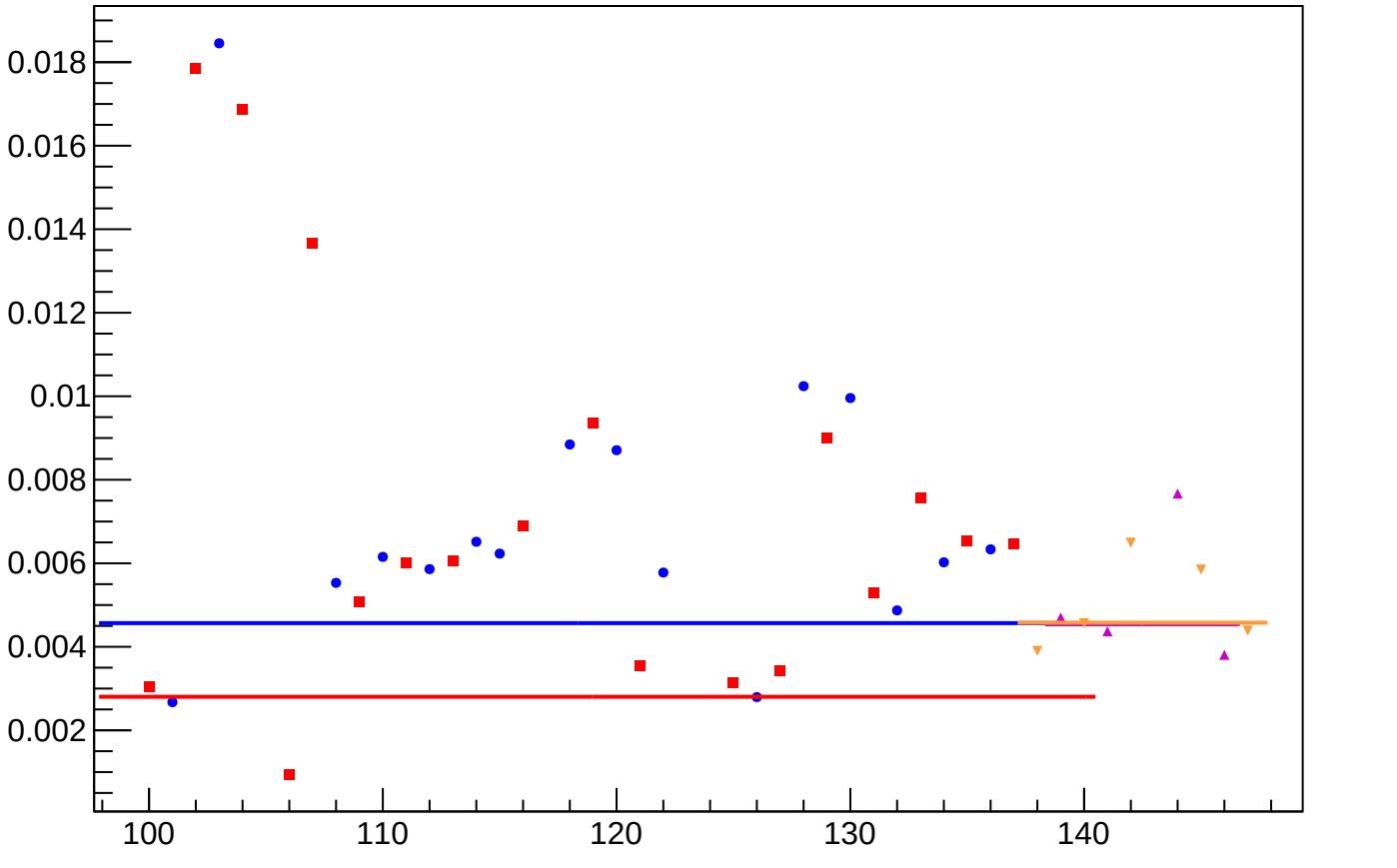
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 114.074+/-0.028 χ^2/NDF:2387515.5/19

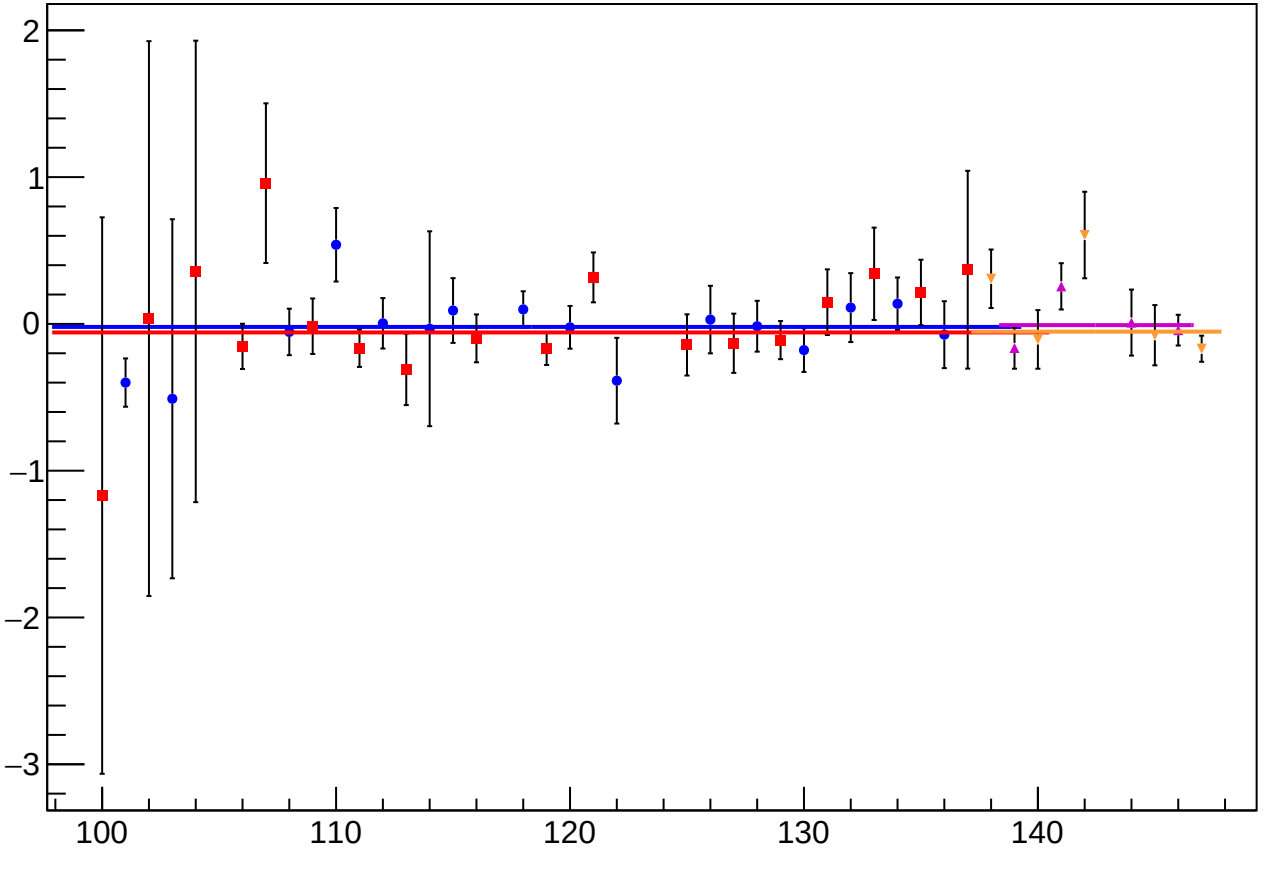
Out: 107.019+/-0.027 χ^2/NDF:3848469.6/22

All: 110.455+/-0.019 χ^2/NDF: 6268778.1/42


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: 0.000+/-0.000 χ²/NDF:15.4/4
Right Out: -0.000+/-0.000 χ²/NDF: 15.7/17
Left In: -0.000+/-0.000 χ²/NDF:0.8/3
Left: 0.000+/-0.000 χ²/NDF: 17.4/8
Right: -0.000+/-0.000 χ²/NDF: 35.9/33
In: -0.000+/-0.000 χ²/NDF:20.8/19
Out: -0.000+/-0.000 χ²/NDF:32.2/22
All: -0.000+/-0.000 χ²/NDF: 53.6/42


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
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.005+/-0.000 χ²/NDF:182170.1/4
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.005+/-0.000 χ²/NDF:360669.8/3
Left: 0.005+/-0.000 χ²/NDF: 543060.5/8
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.005+/-0.000 χ²/NDF:3373067.6/19
Out: 0.003+/-0.000 χ²/NDF:7543709.2/22
All: 0.004+/-0.000 χ²/NDF: 11760412.6/42

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.053+/-0.069 χ^2/NDF:10.0/4

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.070 χ^2/NDF:4.1/3

Left: -0.031+/-0.049 χ^2/NDF: 14.4/8

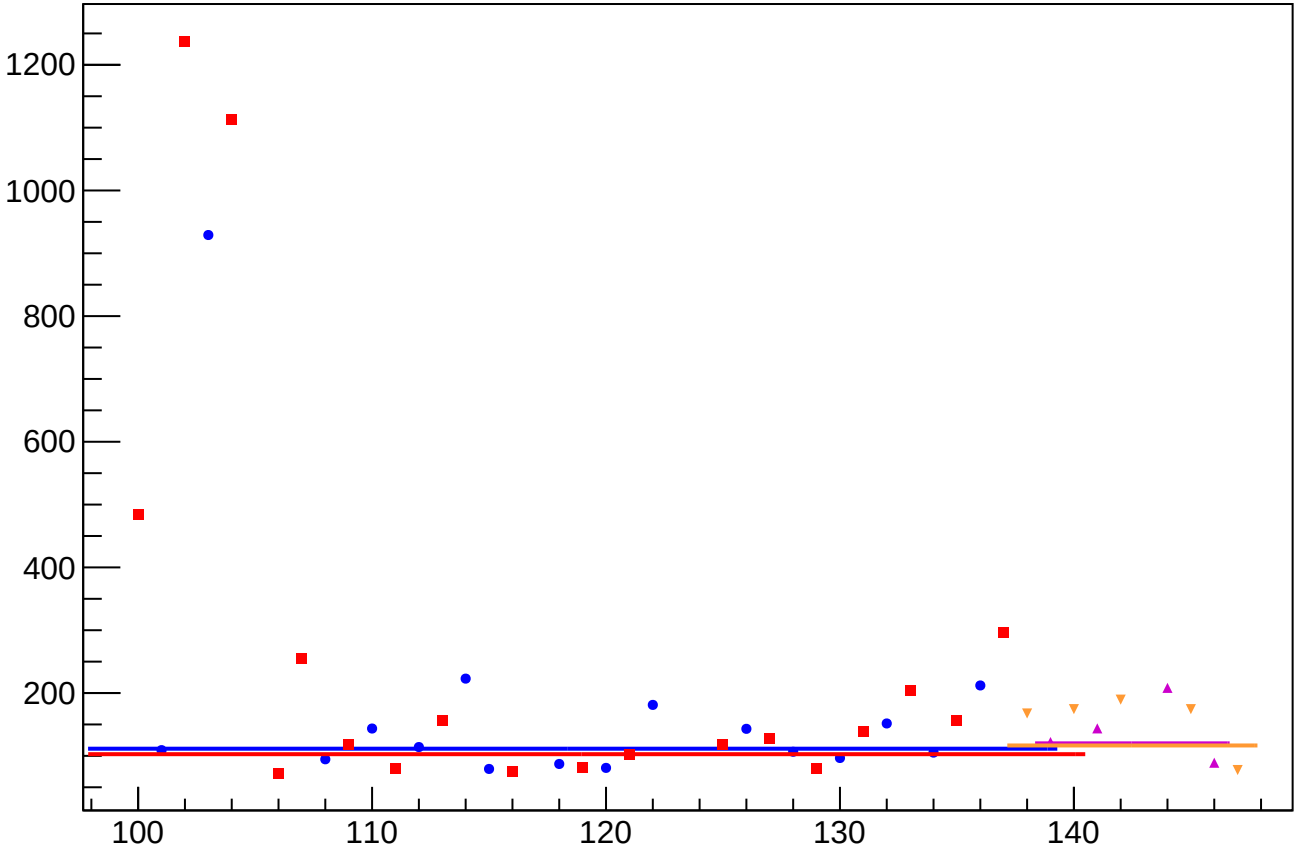
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.017+/-0.039 χ^2/NDF:19.8/19

Out: -0.056+/-0.038 χ^2/NDF:26.9/22

All: -0.037+/-0.028 χ^2/NDF: 47.2/42

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: 116.546+/-0.049 χ^2/NDF:965596.0/4

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 119.912+/-0.050 χ^2/NDF:528150.9/3

Left: 118.186+/-0.035 χ^2/NDF: 1496085.8/8

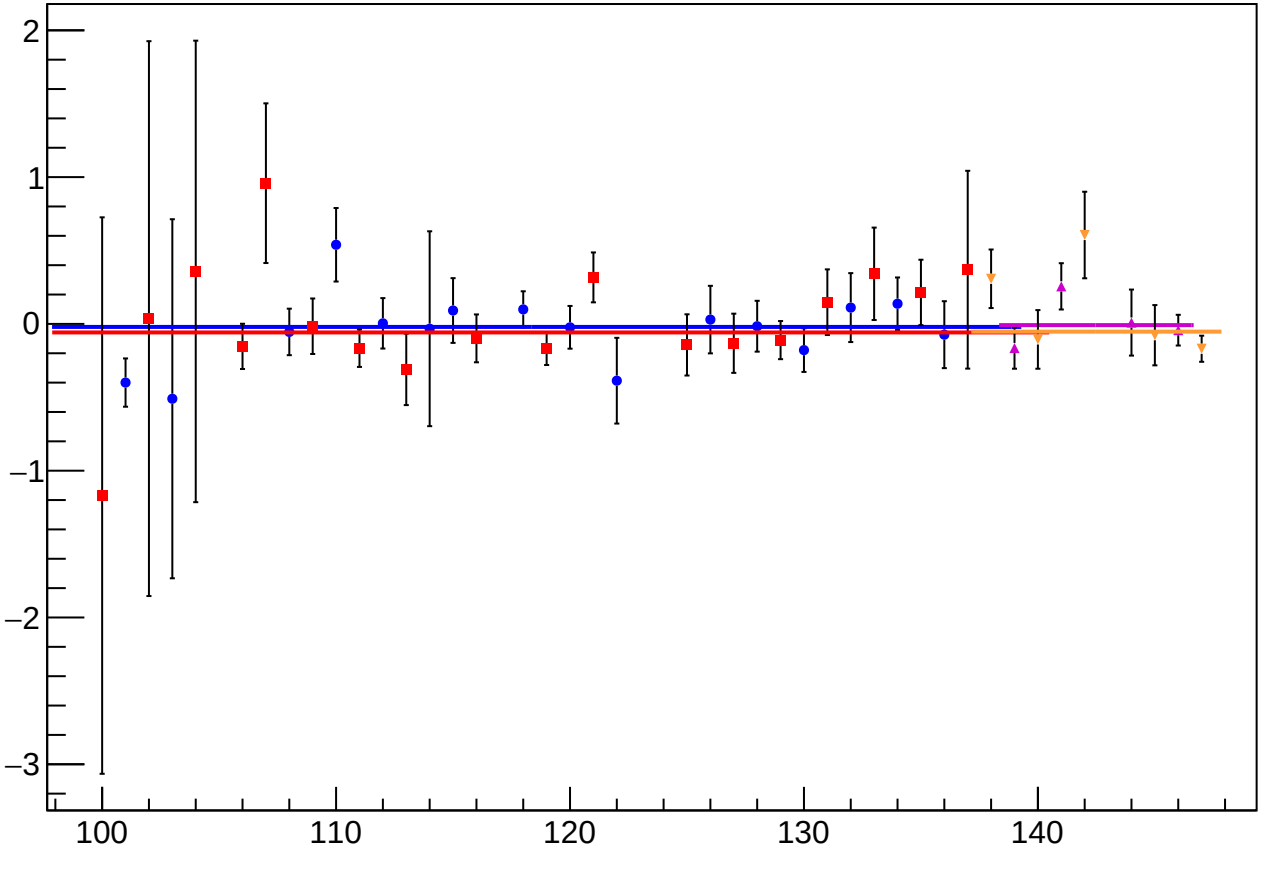
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 114.072+/-0.028 χ^2/NDF:2387573.2/19

Out: 107.018+/-0.027 χ^2/NDF:3848461.3/22

All: 110.454+/-0.019 χ^2/NDF: 6268821.5/42

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: -0.053+/-0.069 χ^2/NDF:10.0/4

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.008+/-0.070 χ^2/NDF:4.1/3

Left: -0.031+/-0.049 χ^2/NDF: 14.4/8

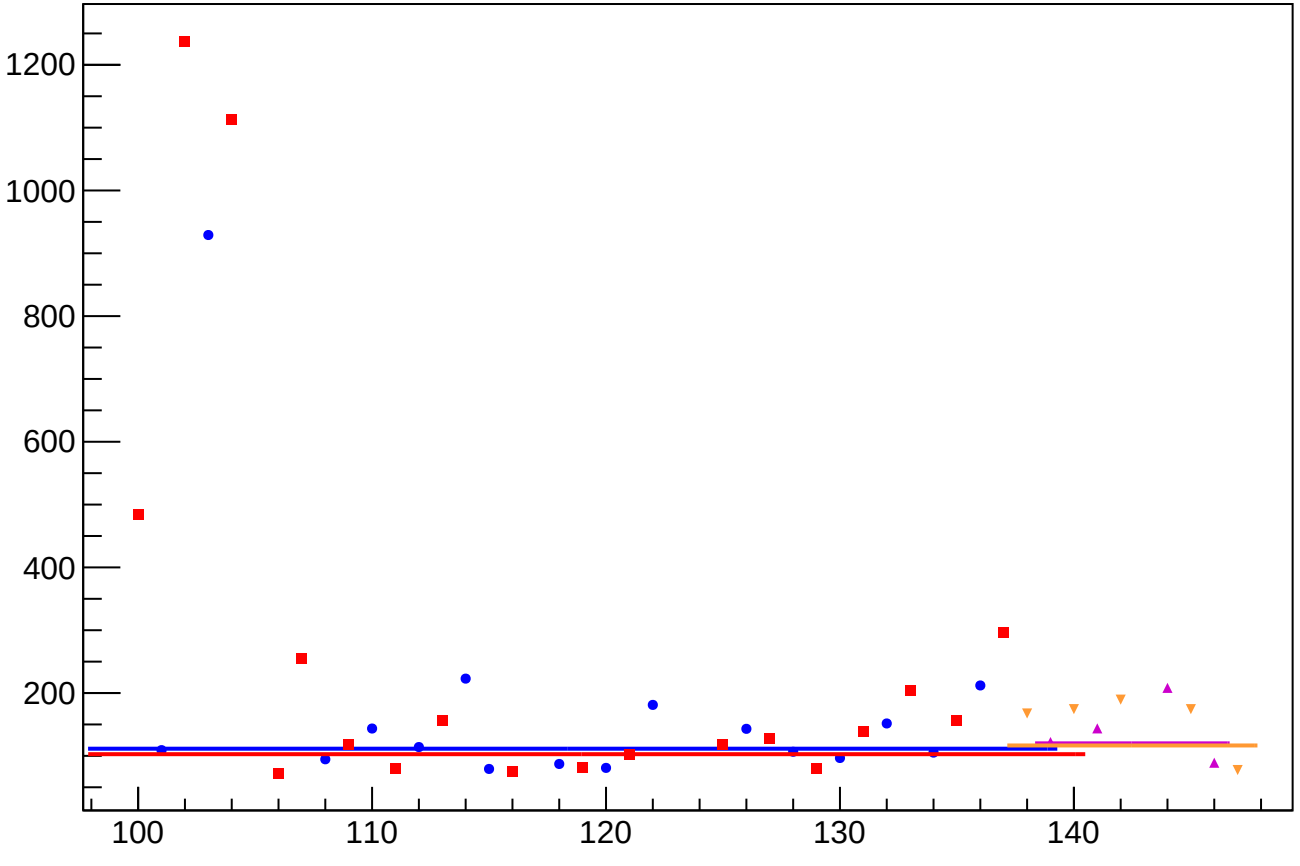
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.017+/-0.039 χ^2/NDF:19.8/19

Out: -0.056+/-0.038 χ^2/NDF:26.9/22

All: -0.037+/-0.028 χ^2/NDF: 47.2/42

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: 116.546+/-0.049 χ^2/NDF:965596.0/4

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 119.912+/-0.050 χ^2/NDF:528150.9/3

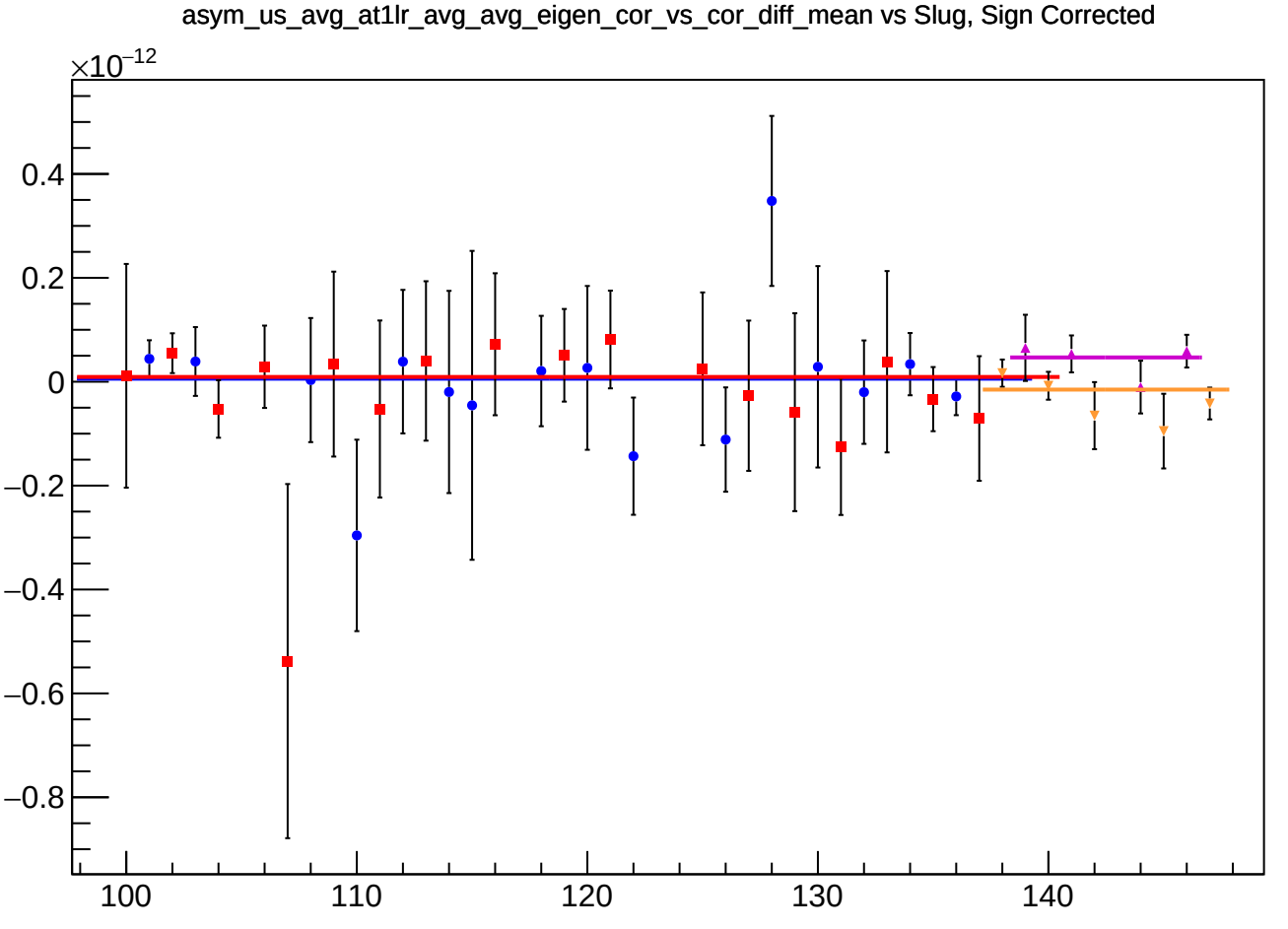
Left: 118.186+/-0.035 χ^2/NDF: 1496085.8/8

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 114.072+/-0.028 χ^2/NDF:2387573.2/19

Out: 107.018+/-0.027 χ^2/NDF:3848461.3/22

All: 110.454+/-0.019 χ^2/NDF: 6268821.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

Left: 0.000+/-0.000 χ^2/NDF: 11.6/8

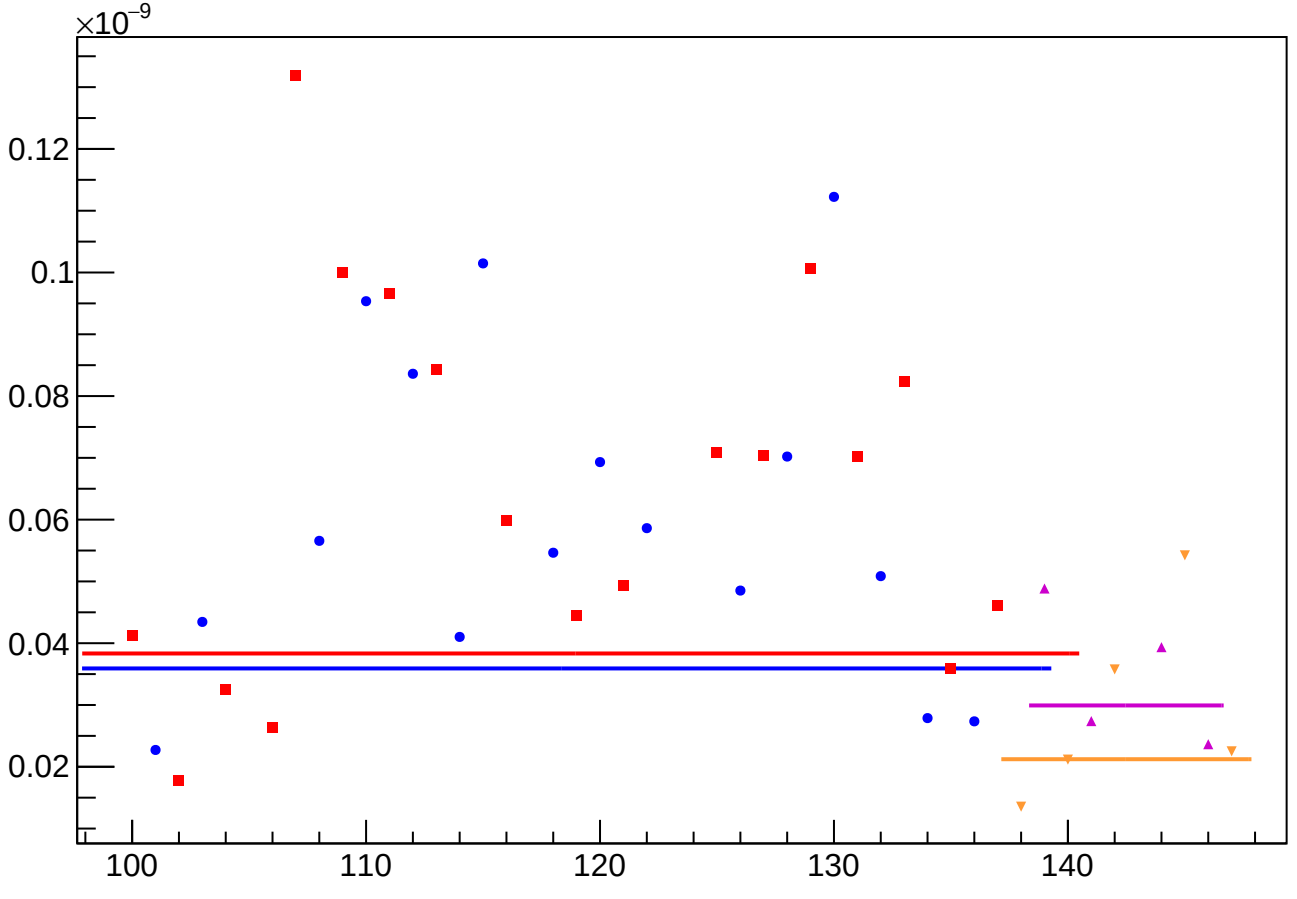
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:16.6/19

Out: -0.000+/-0.000 χ^2/NDF:13.7/22

All: 0.000+/-0.000 χ^2/NDF: 33.2/42

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:697786.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:335009.7/3

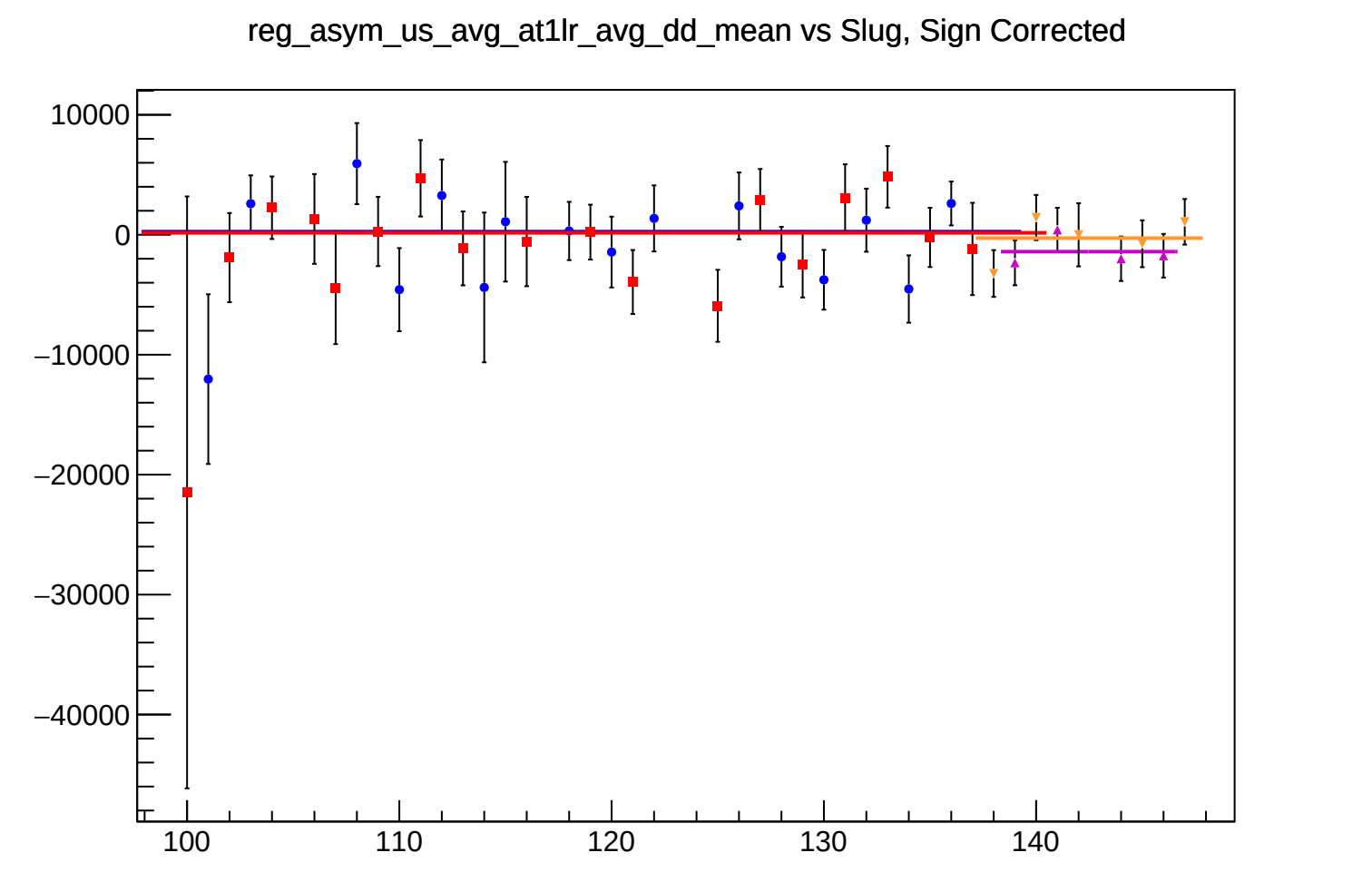
Left: 0.000+/-0.000 χ^2/NDF: 1268846.6/8

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2186111.3/19

Out: 0.000+/-0.000 χ^2/NDF:3739907.9/22

All: 0.000+/-0.000 χ^2/NDF: 6147275.6/42



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -281.702+/-902.688 χ^2/NDF:3.7/4

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -1409.353+/-923.375 χ^2/NDF:1.4/3

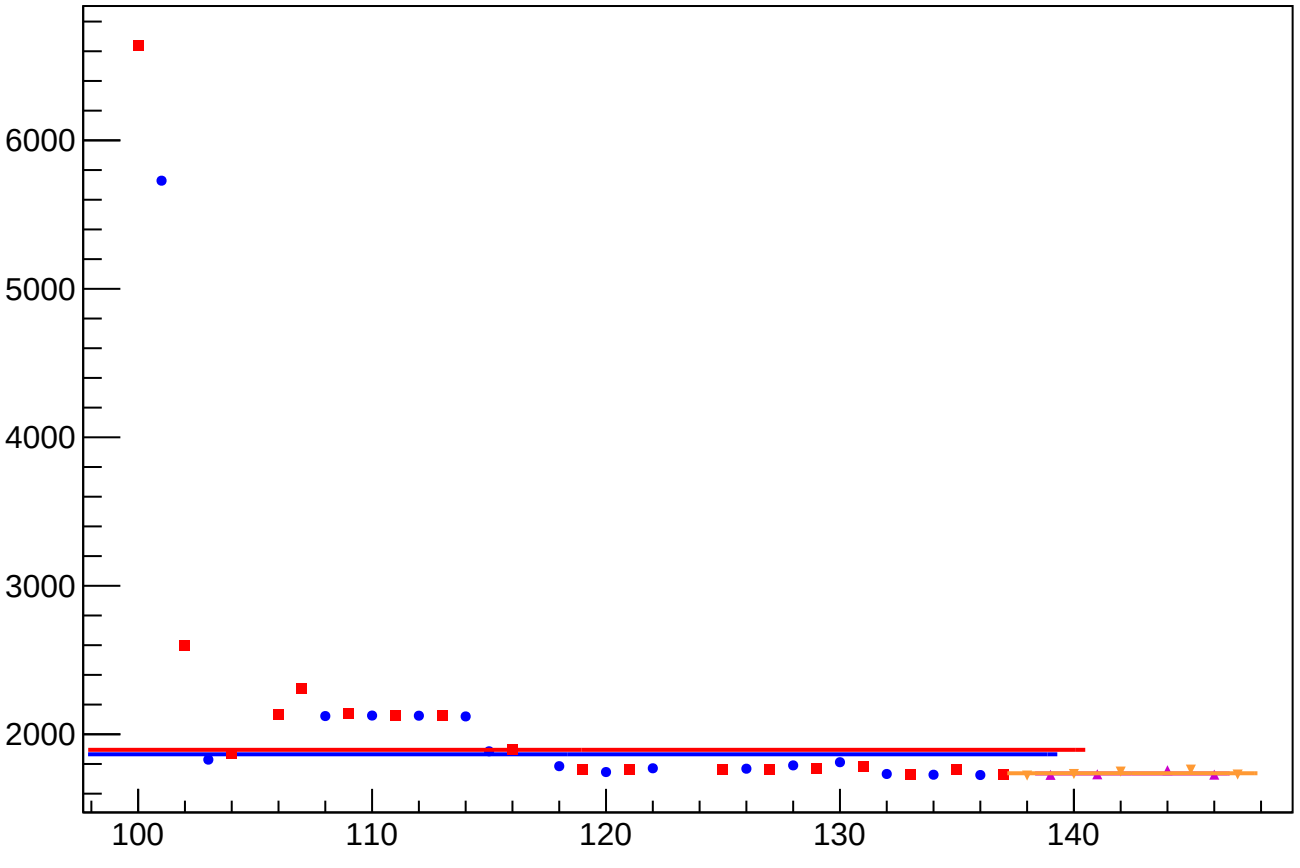
Left: -832.754+/-645.486 χ^2/NDF: 5.8/8

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -360.244+/-562.698 χ^2/NDF:22.8/19

Out: -9.910+/-559.184 χ^2/NDF:21.9/22

All: -183.980+/-396.639 χ^2/NDF: 45.0/42



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1737.446+/-0.638 χ^2/NDF:533.4/4

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

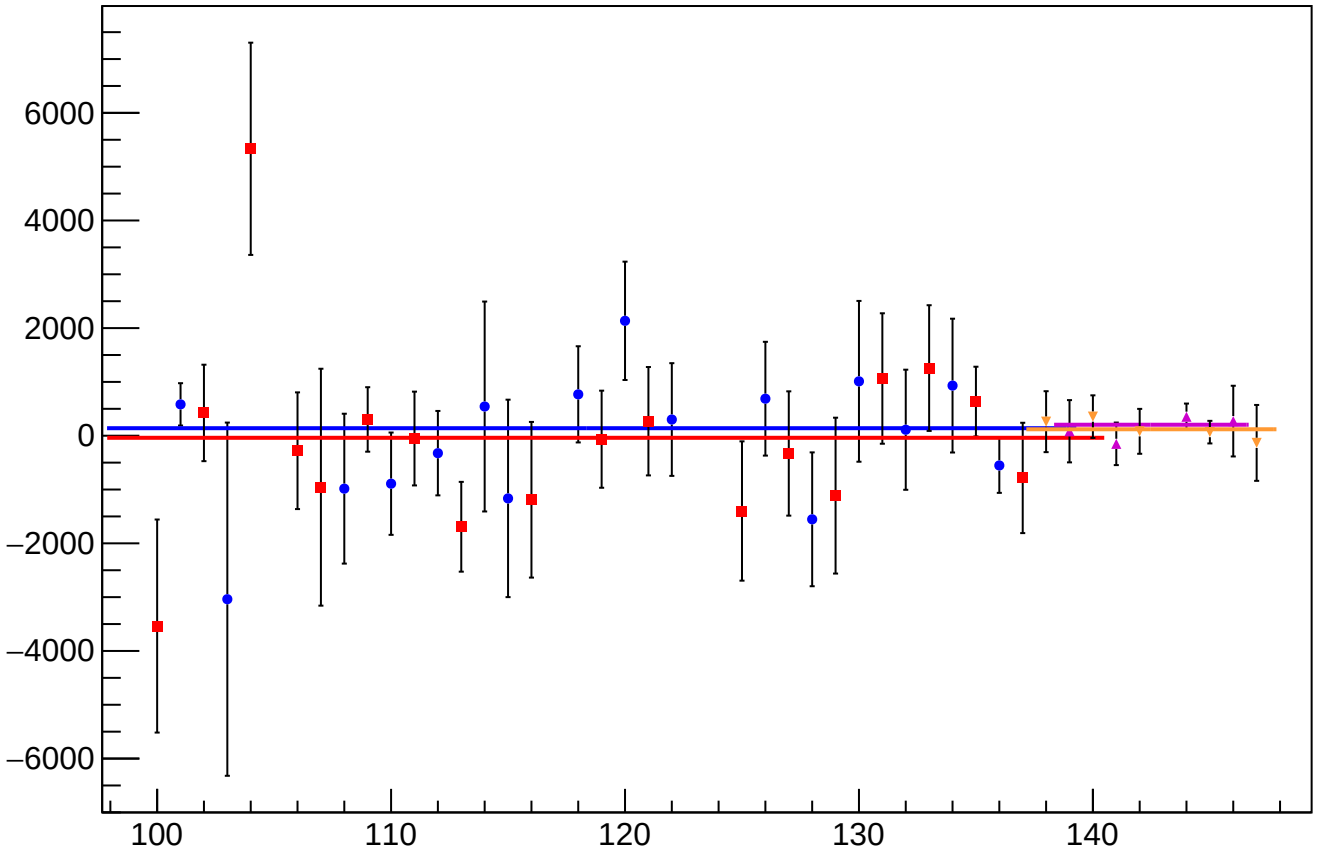
Left: 1736.674+/-0.456 χ^2/NDF: 920.3/8

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1817.152+/-0.398 χ^2/NDF:697763.4/19

Out: 1834.695+/-0.395 χ^2/NDF:289006.6/22

All: 1825.978+/-0.280 χ^2/NDF: 987748.0/42



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 119.895+/-158.205 χ^2/NDF:0.6/4

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 204.102+/-187.784 χ^2/NDF:1.2/3

Left: 154.852+/-120.990 χ^2/NDF: 2.0/8

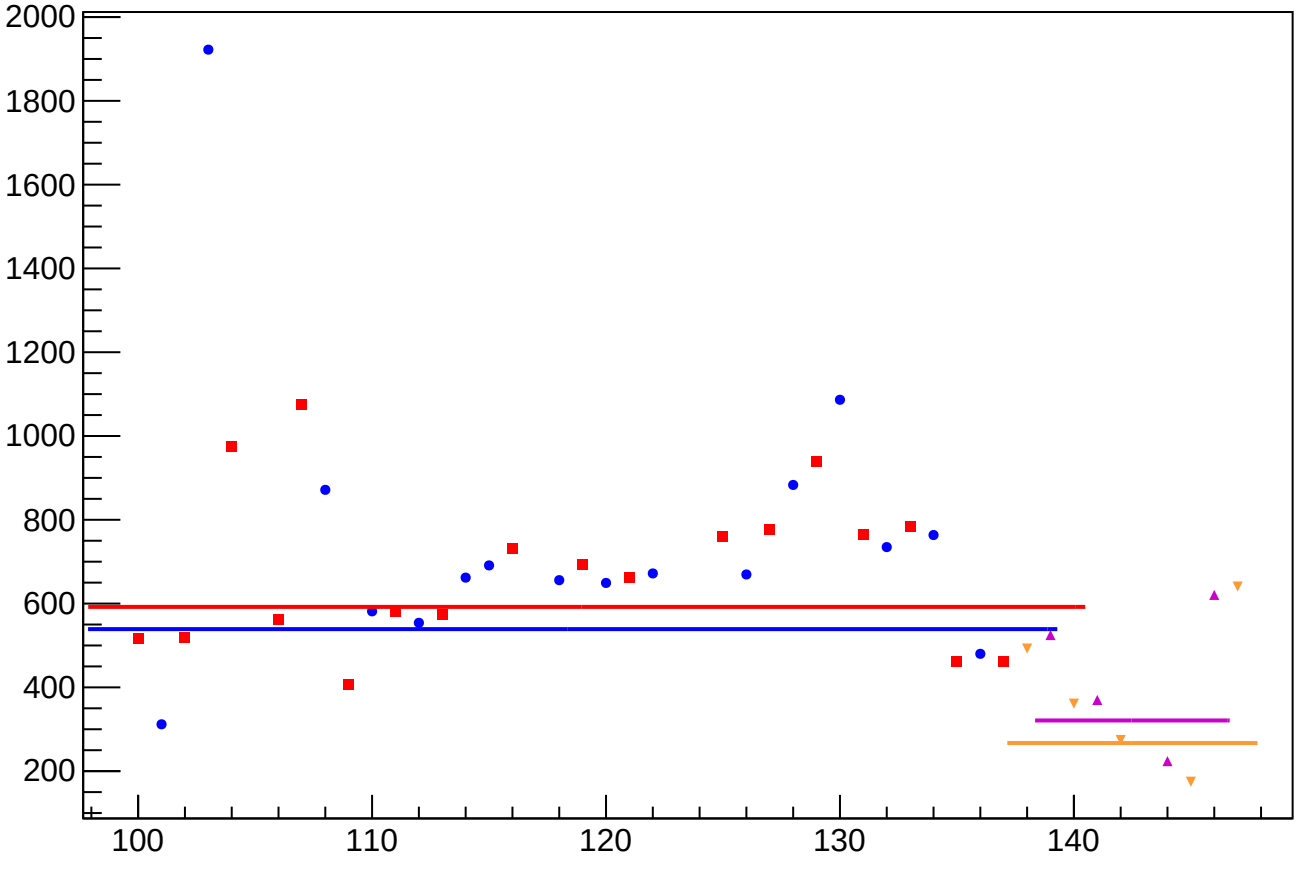
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 177.013+/-142.856 χ^2/NDF:14.7/19

Out: 71.387+/-131.795 χ^2/NDF:22.3/22

All: 119.953+/-96.868 χ^2/NDF: 37.3/42

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: 267.110+/-0.112 χ^2/NDF:1379124.2/4

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 321.008+/-0.133 χ^2/NDF:1009295.1/3

Left: 289.485+/-0.086 χ^2/NDF: 2484783.2/8

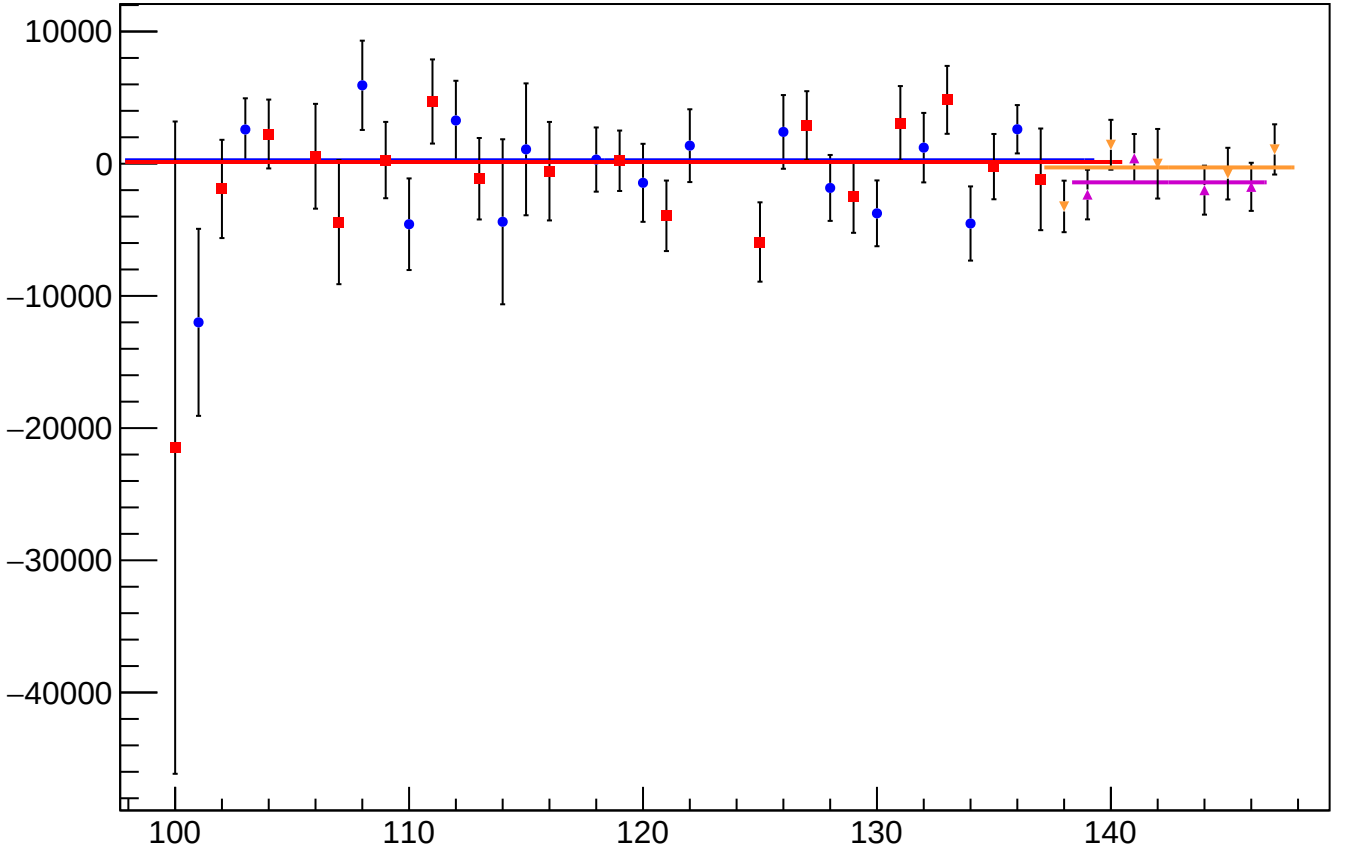
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 412.847+/-0.101 χ^2/NDF:3999441.4/19

Out: 366.557+/-0.093 χ^2/NDF:4804768.9/22

All: 387.841+/-0.068 χ^2/NDF: 8917649.7/42

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -281.577+/-902.688 χ^2/NDF:3.7/4

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -1409.501+/-923.375 χ^2/NDF:1.4/3

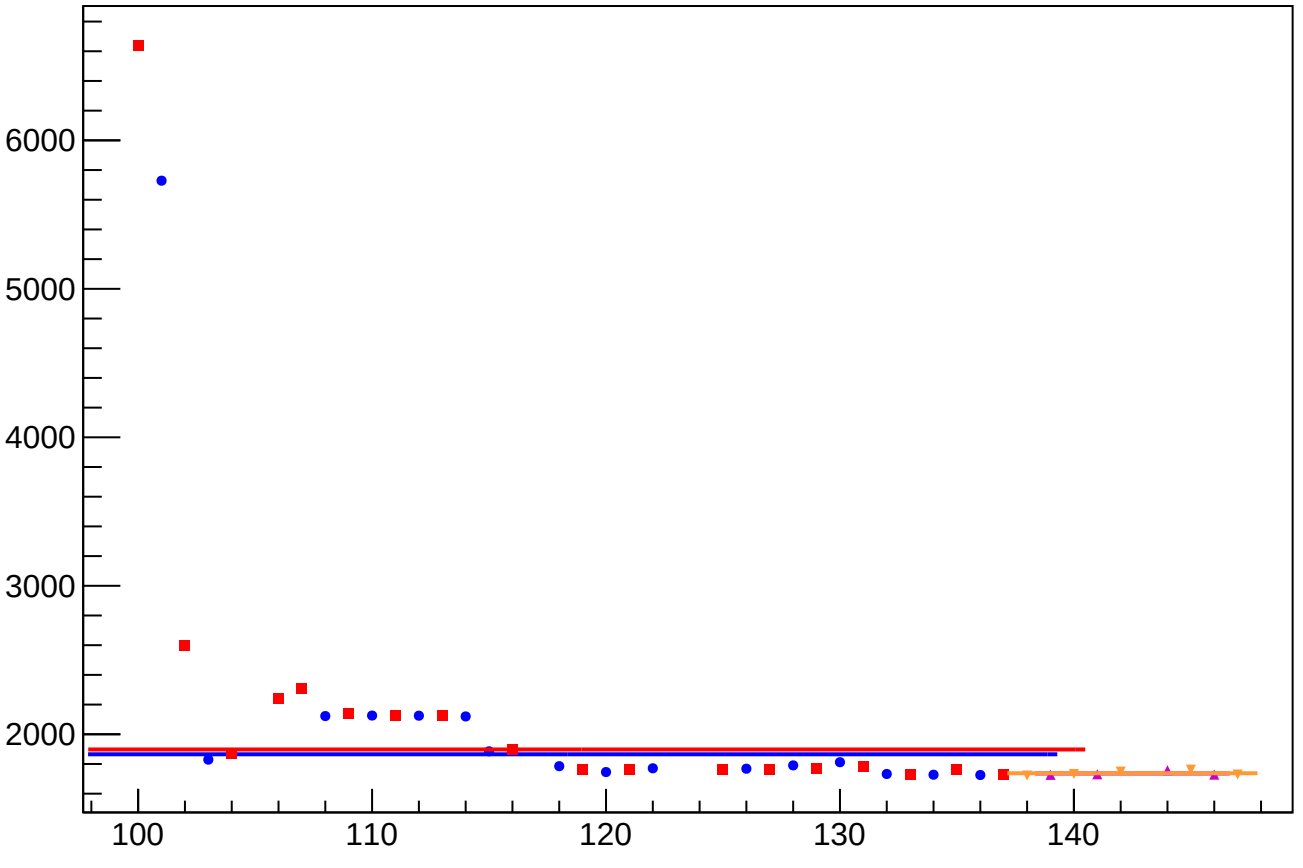
Left: -832.763+/-645.486 χ^2/NDF: 5.8/8

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -360.181+/-562.698 χ^2/NDF:22.8/19

Out: -28.292+/-559.865 χ^2/NDF:21.8/22

All: -193.399+/-396.882 χ^2/NDF: 44.8/42



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1737.446+/-0.638 χ^2/NDF:533.4/4

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

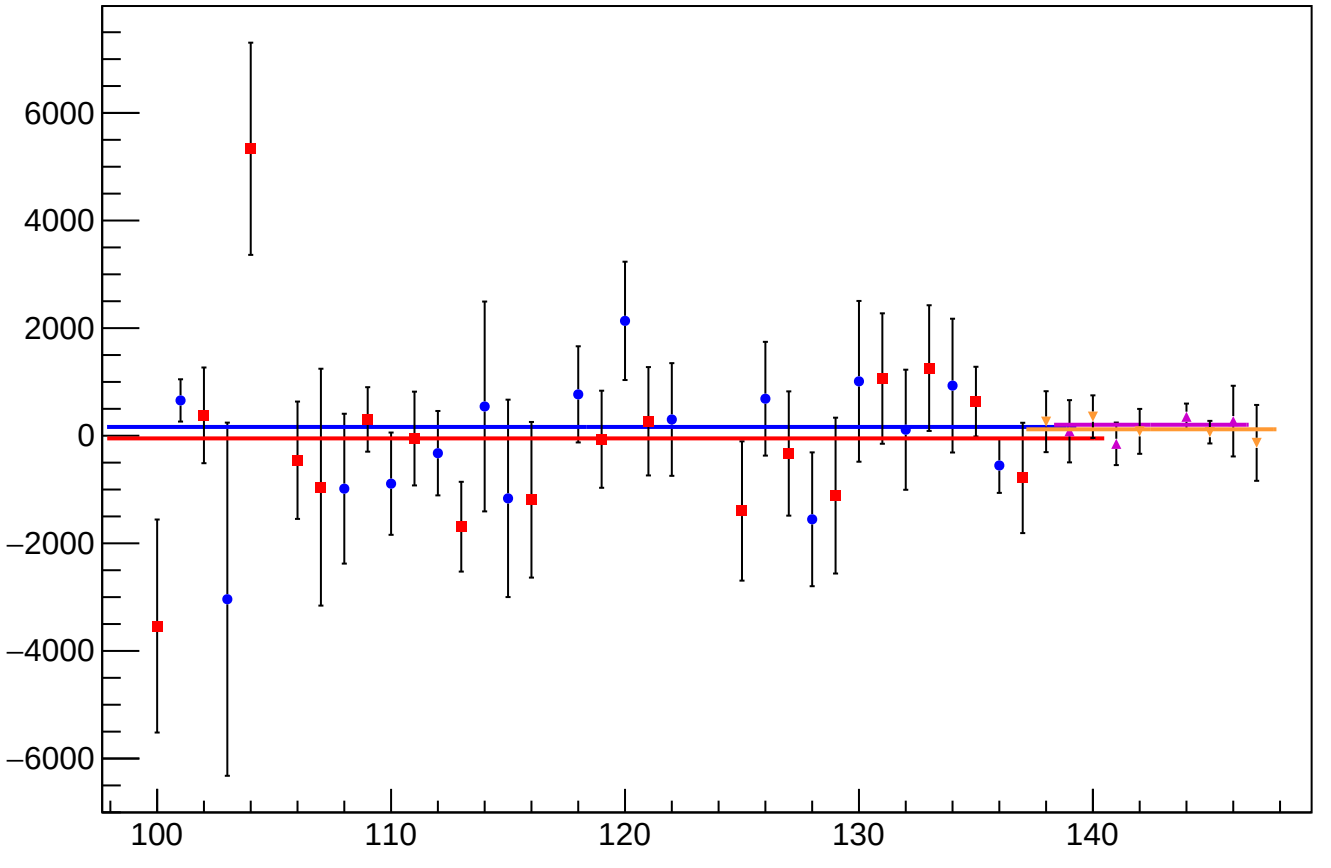
Left: 1736.674+/-0.456 χ^2/NDF: 920.3/8

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1817.152+/-0.398 χ^2/NDF:697763.3/19

Out: 1836.055+/-0.396 χ^2/NDF:297055.0/22

All: 1826.651+/-0.281 χ^2/NDF: 995952.5/42



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.711+/-158.208 χ^2/NDF:0.6/4

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 204.071+/-187.785 χ^2/NDF:1.2/3

Left: 154.732+/-120.992 χ^2/NDF: 2.0/8

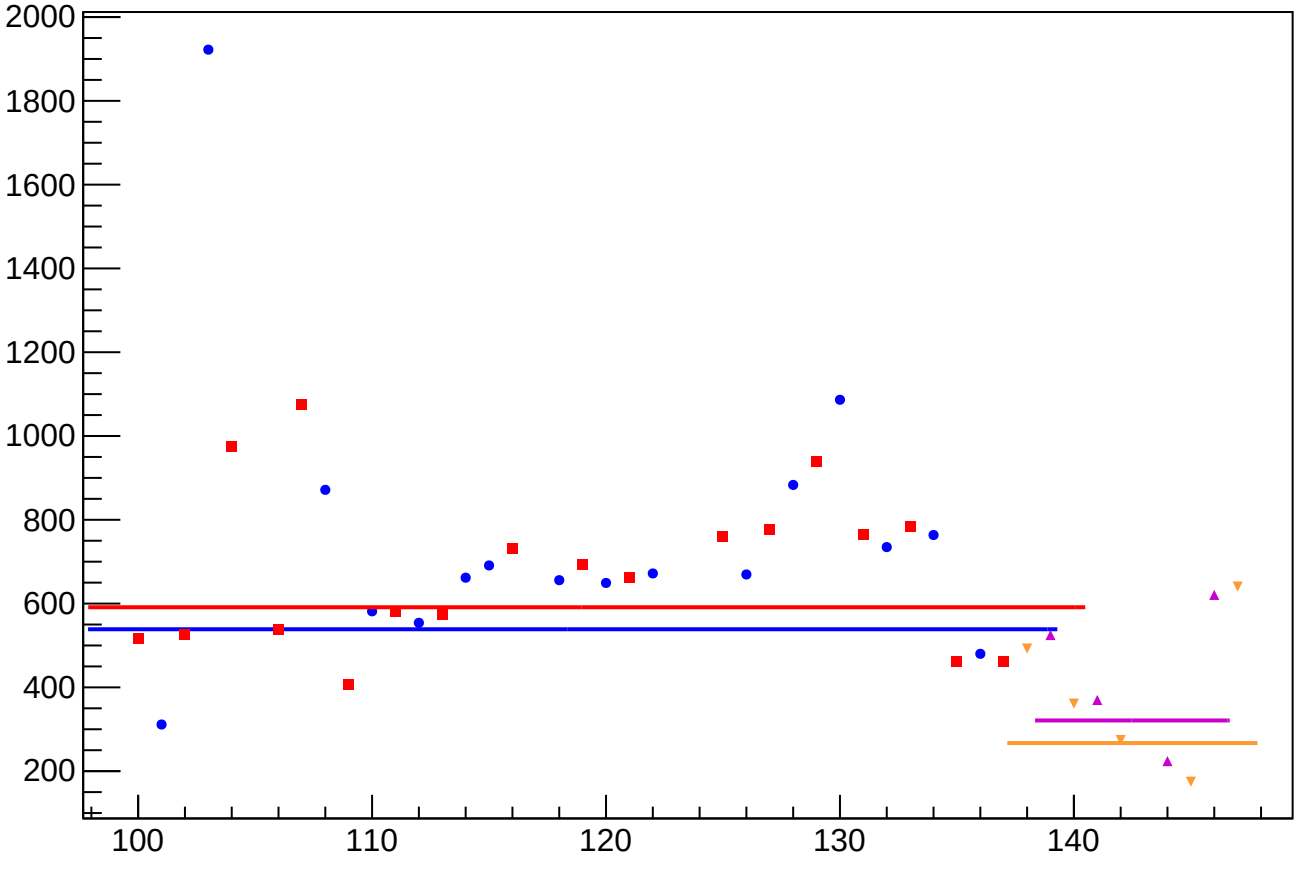
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 186.825+/-142.836 χ^2/NDF:15.2/19

Out: 67.878+/-131.788 χ^2/NDF:22.4/22

All: 122.574+/-96.859 χ^2/NDF: 37.9/42

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: 267.117+/-0.112 χ^2/NDF:1379097.4/4

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 321.018+/-0.133 χ^2/NDF:1009139.5/3

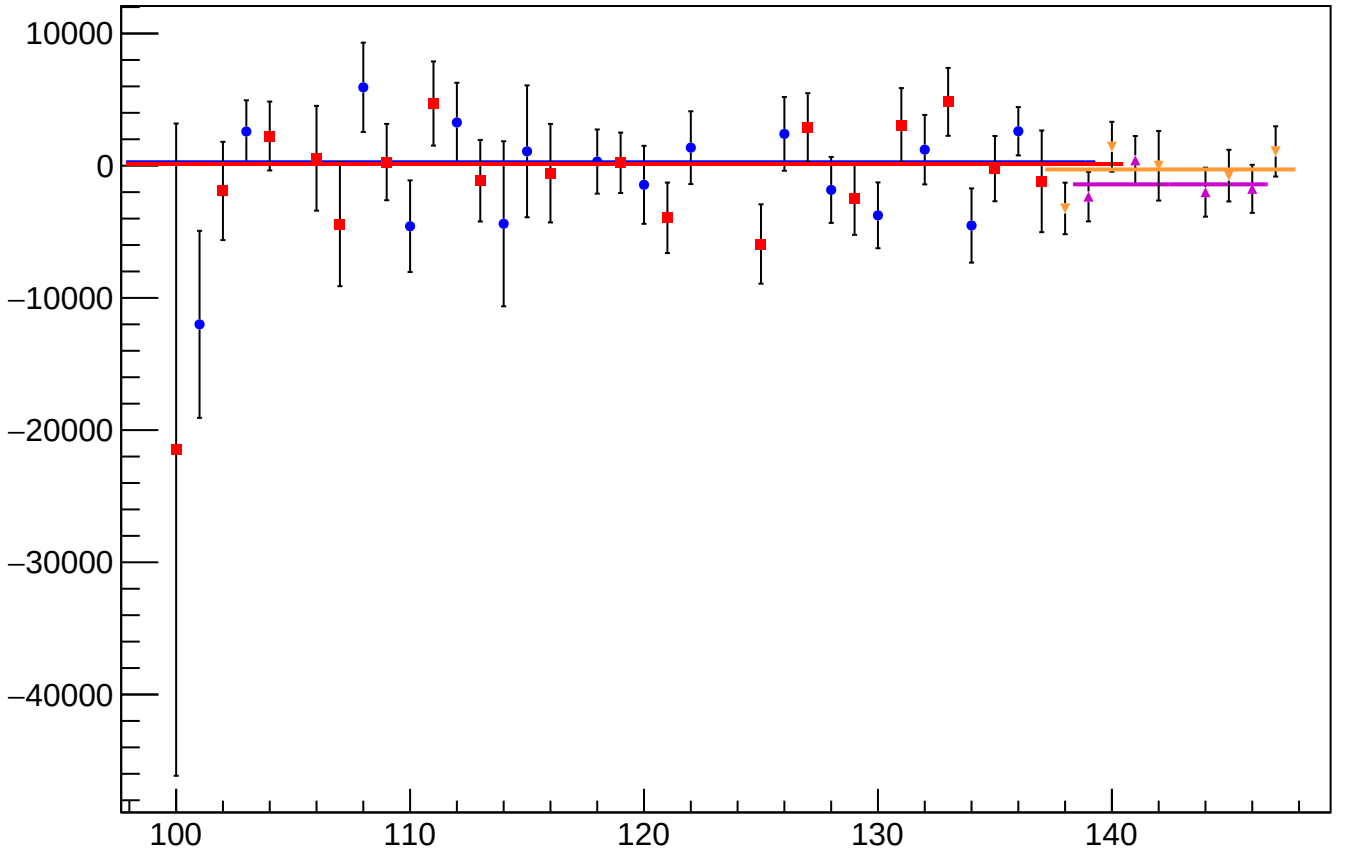
Left: 289.493+/-0.086 χ^2/NDF: 2484611.4/8

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 412.759+/-0.101 χ^2/NDF:4000686.6/19

Out: 366.334+/-0.093 χ^2/NDF:4793263.9/22

All: 387.682+/-0.068 χ^2/NDF: 8908075.7/42



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -281.577+/-902.688 χ^2/NDF:3.7/4

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -1409.501+/-923.375 χ^2/NDF:1.4/3

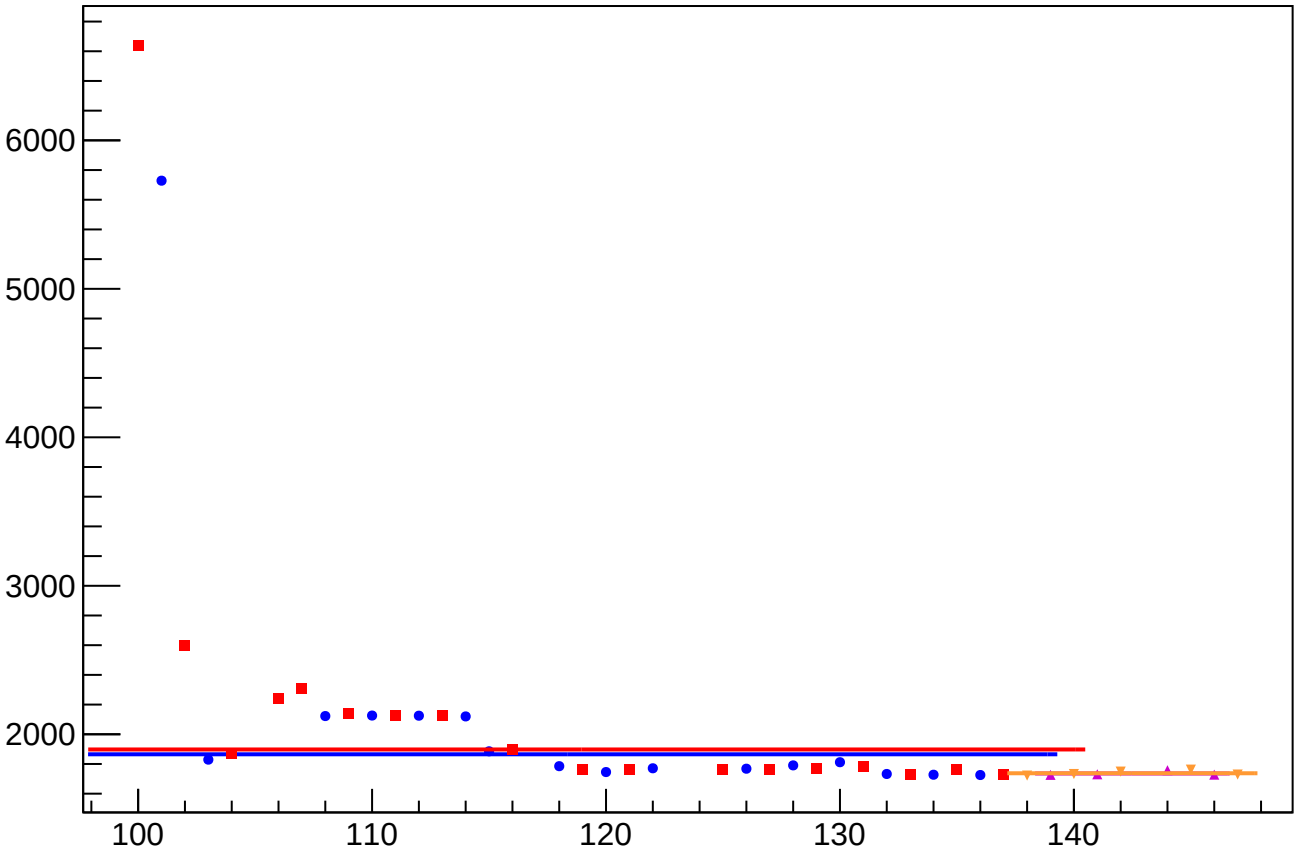
Left: -832.763+/-645.486 χ^2/NDF: 5.8/8

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -360.181+/-562.698 χ^2/NDF:22.8/19

Out: -28.292+/-559.865 χ^2/NDF:21.8/22

All: -193.399+/-396.882 χ^2/NDF: 44.8/42



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1737.446+/-0.638 χ^2/NDF:533.4/4

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1735.866+/-0.653 χ^2/NDF:383.9/3

Left: 1736.674+/-0.456 χ^2/NDF: 920.3/8

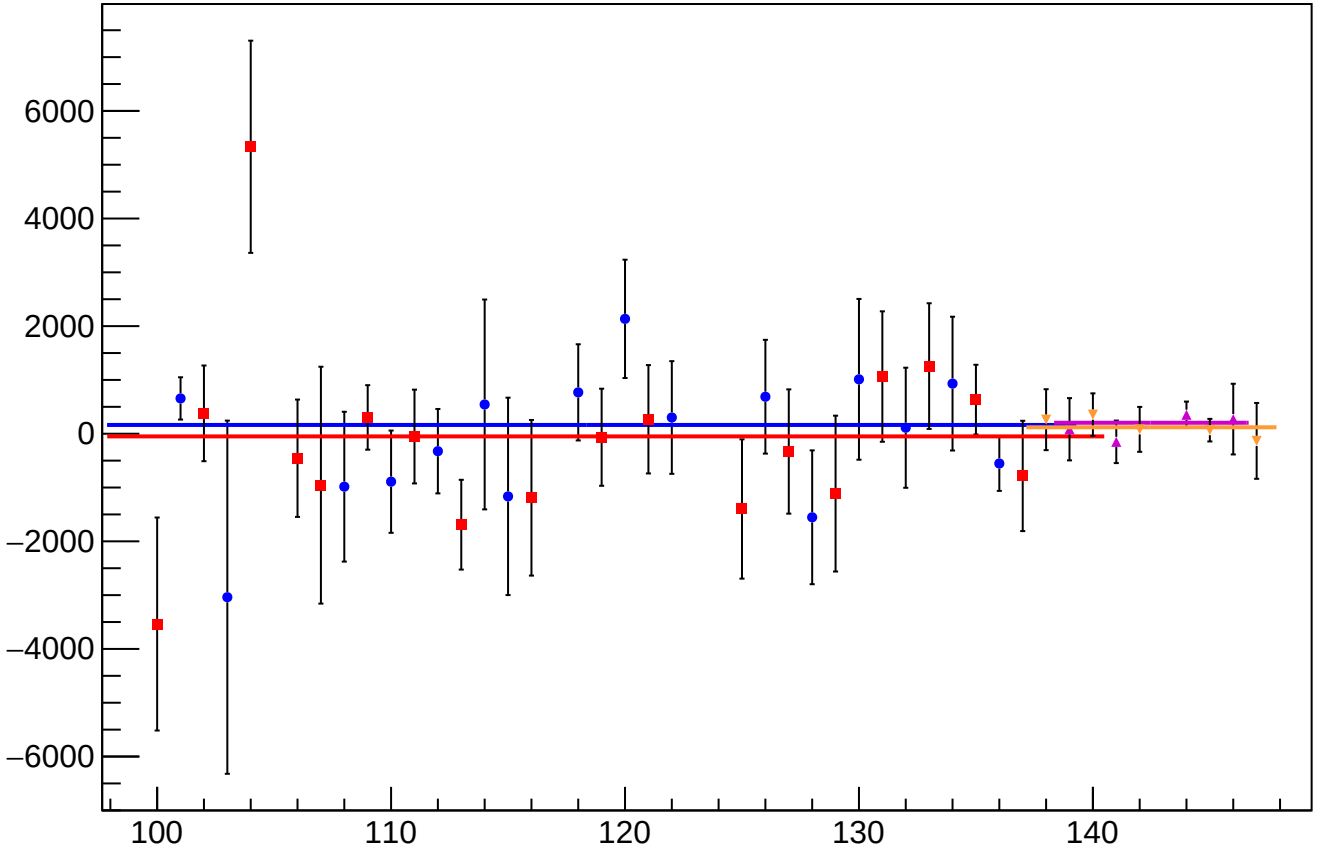
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1817.152+/-0.398 χ^2/NDF:697763.3/19

Out: 1836.055+/-0.396 χ^2/NDF:297055.0/22

All: 1826.651+/-0.281 χ^2/NDF: 995952.5/42

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: 119.711+/-158.208 χ^2/NDF:0.6/4

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 204.071+/-187.785 χ^2/NDF:1.2/3

Left: 154.732+/-120.992 χ^2/NDF: 2.0/8

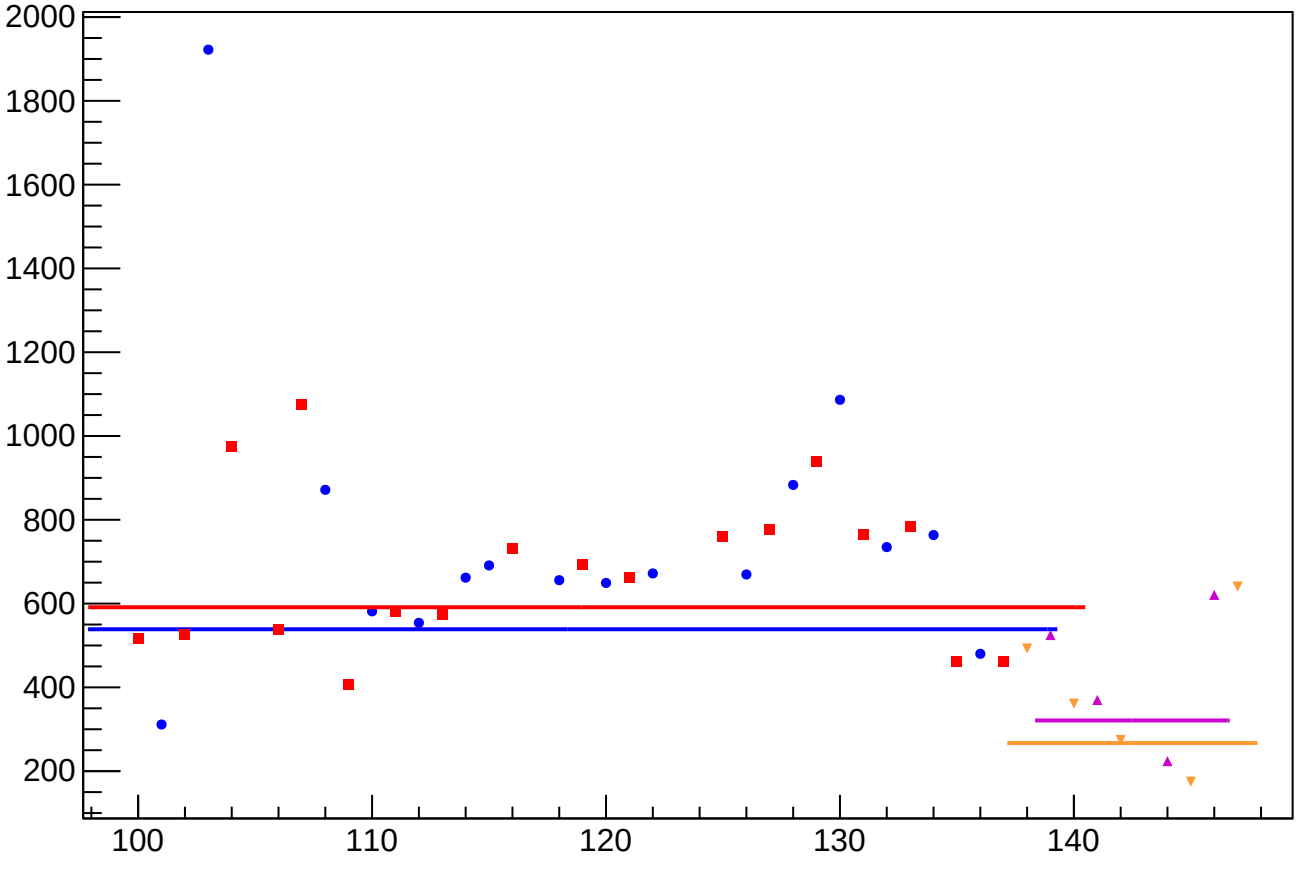
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 186.825+/-142.836 χ^2/NDF:15.2/19

Out: 67.878+/-131.788 χ^2/NDF:22.4/22

All: 122.574+/-96.859 χ^2/NDF: 37.9/42

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: 267.117+/-0.112 χ^2/NDF:1379097.4/4

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 321.018+/-0.133 χ^2/NDF:1009139.5/3

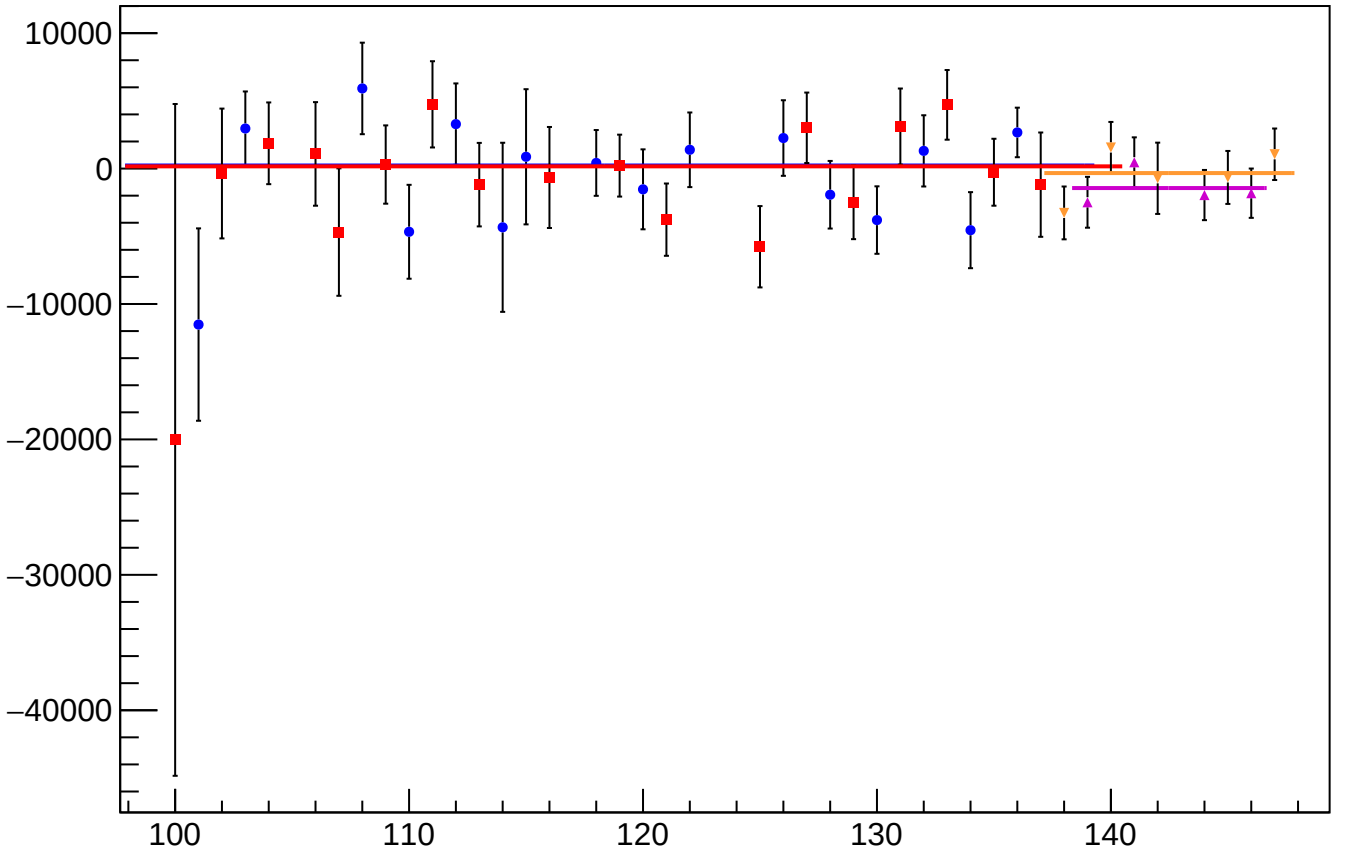
Left: 289.493+/-0.086 χ^2/NDF: 2484611.4/8

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 412.759+/-0.101 χ^2/NDF:4000686.6/19

Out: 366.334+/-0.093 χ^2/NDF:4793263.9/22

All: 387.682+/-0.068 χ^2/NDF: 8908075.7/42



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -331.700+/-903.162 χ^2/NDF:3.9/4

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -1438.640+/-923.948 χ^2/NDF:1.5/3

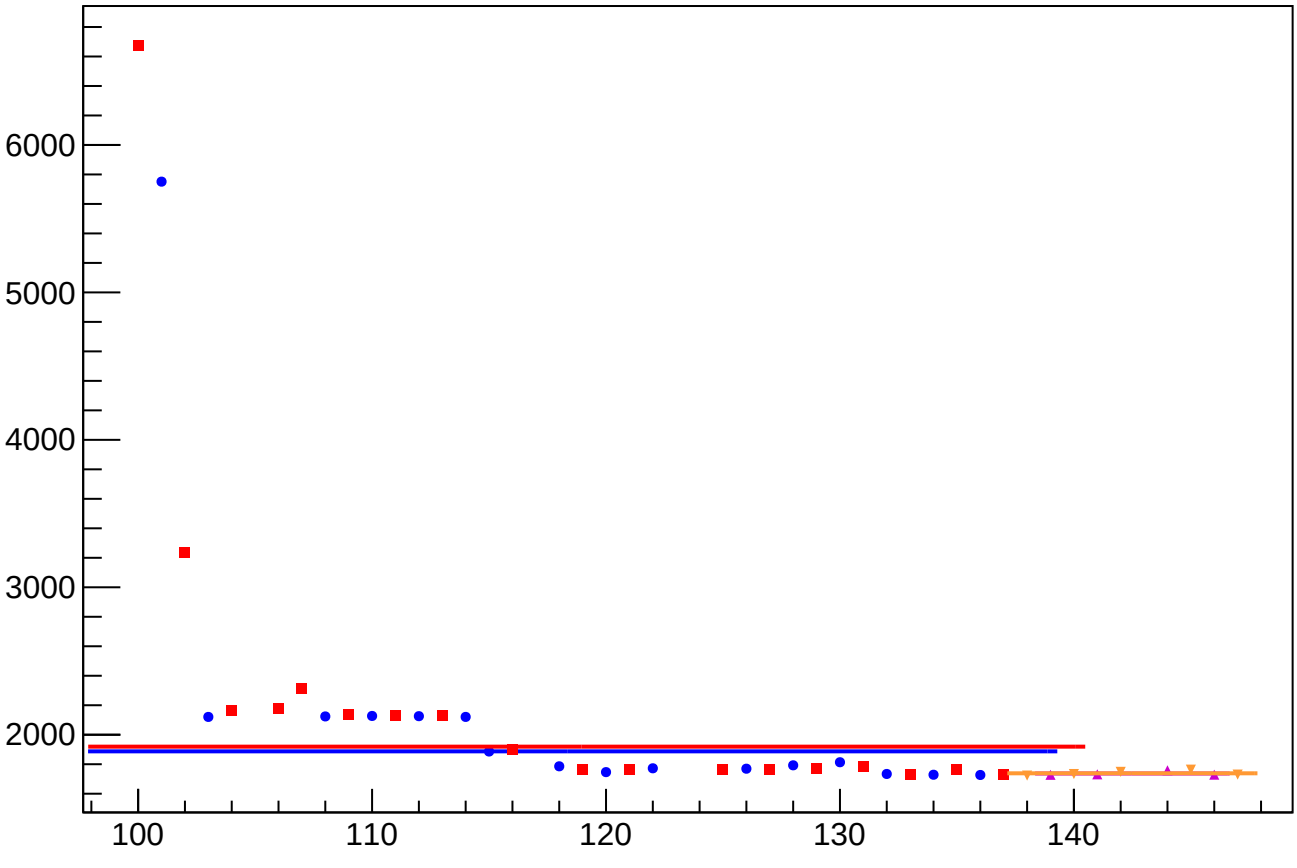
Left: -872.579+/-645.856 χ^2/NDF: 6.1/8

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -401.224+/-567.214 χ^2/NDF:22.9/19

Out: -30.685+/-565.753 χ^2/NDF:21.1/22

All: -215.477+/-400.564 χ^2/NDF: 44.2/42



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1738.354+/-0.639 χ^2/NDF:529.3/4

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1736.939+/-0.653 χ^2/NDF:374.6/3

Left: 1737.662+/-0.457 χ^2/NDF: 906.4/8

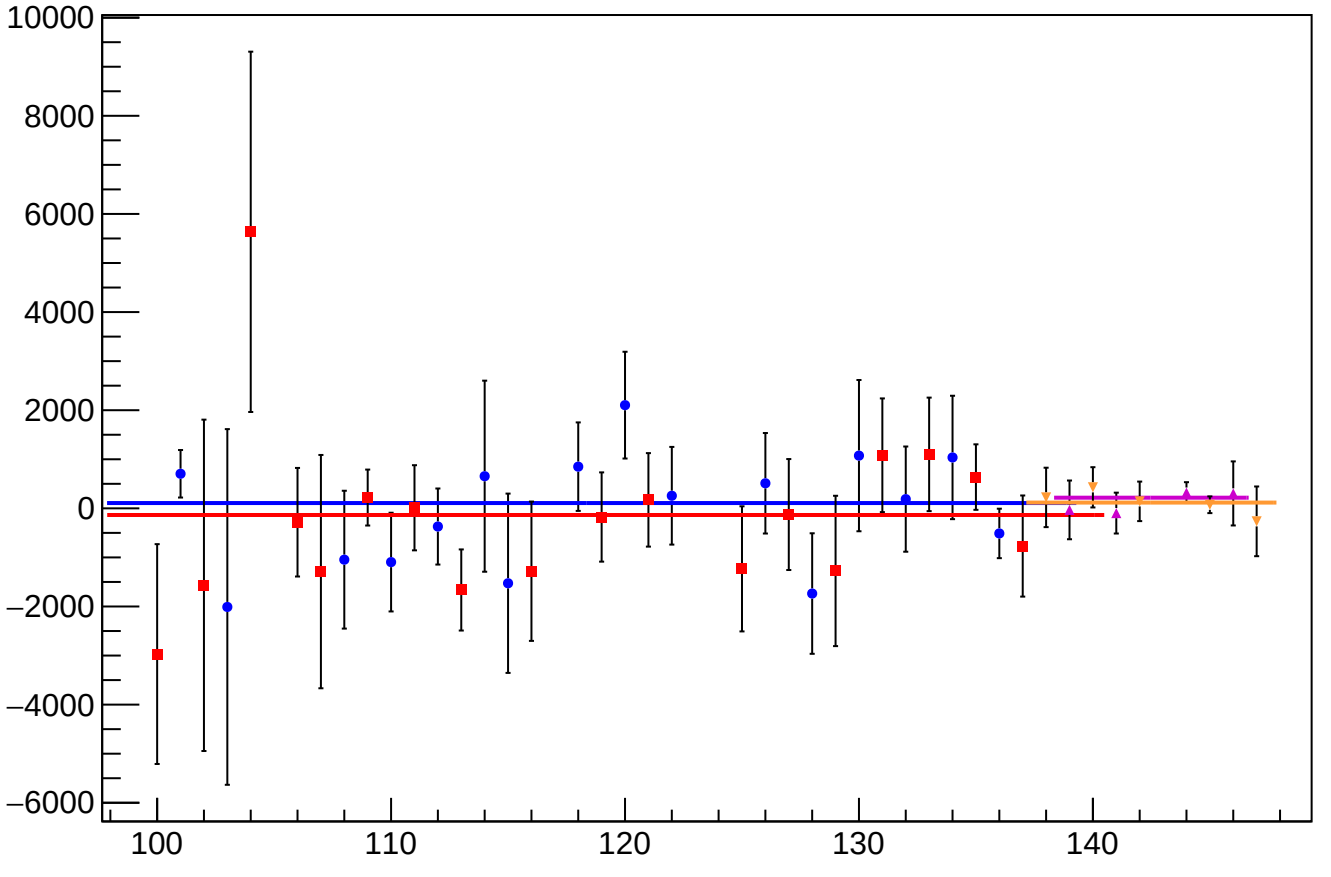
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1830.639+/-0.401 χ^2/NDF:722826.8/19

Out: 1848.215+/-0.400 χ^2/NDF:401800.8/22

All: 1839.450+/-0.283 χ^2/NDF: 1125590.3/42

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: 117.620+/-139.627 χ^2/NDF:1.0/4

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 217.306+/-173.823 χ^2/NDF:1.0/3

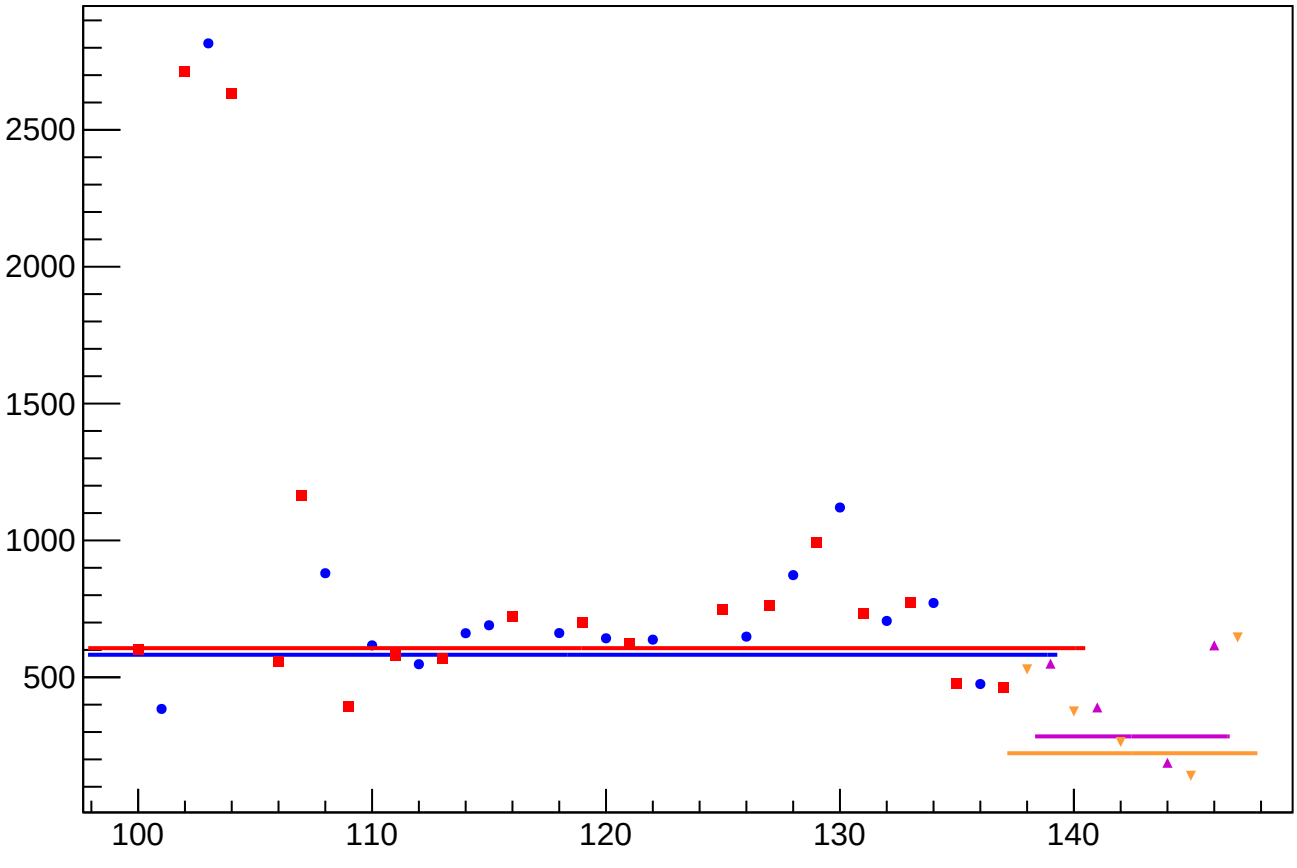
Left: 156.715+/-108.857 χ^2/NDF: 2.2/8

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 177.991+/-139.047 χ^2/NDF:15.3/19

Out: 55.954+/-121.423 χ^2/NDF:16.1/22

All: 108.753+/-91.459 χ^2/NDF: 31.9/42



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 222.469+/-0.099 χ^2/NDF:1986609.5/4

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 284.016+/-0.123 χ^2/NDF:1454610.7/3

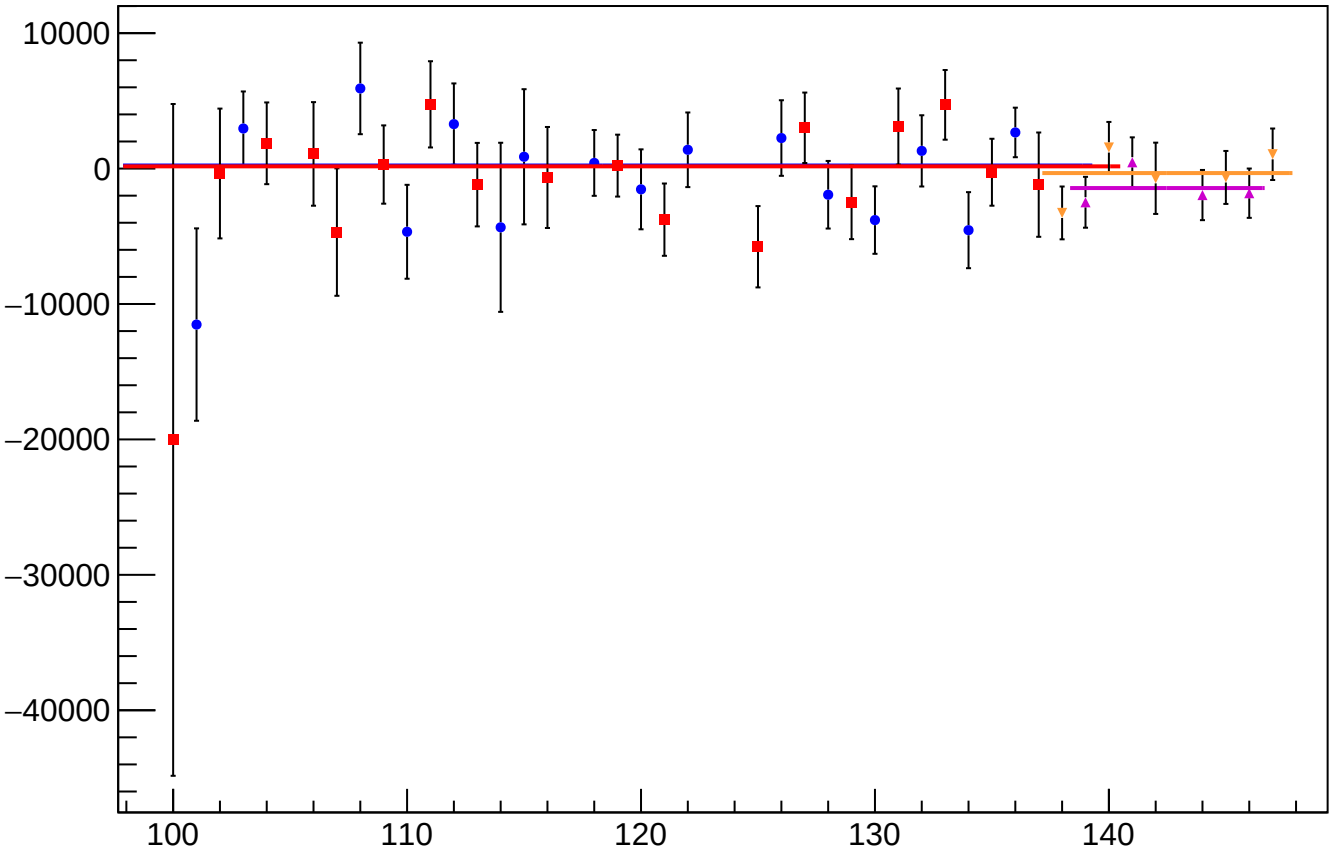
Left: 246.607+/-0.077 χ^2/NDF: 3593622.3/8

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 391.419+/-0.098 χ^2/NDF:5329313.4/19

Out: 316.069+/-0.086 χ^2/NDF:7872020.4/22

All: 348.669+/-0.065 χ^2/NDF: 13534550.9/42



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -331.702+/-903.163 χ^2/NDF:3.9/4

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -1438.641+/-923.948 χ^2/NDF:1.5/3

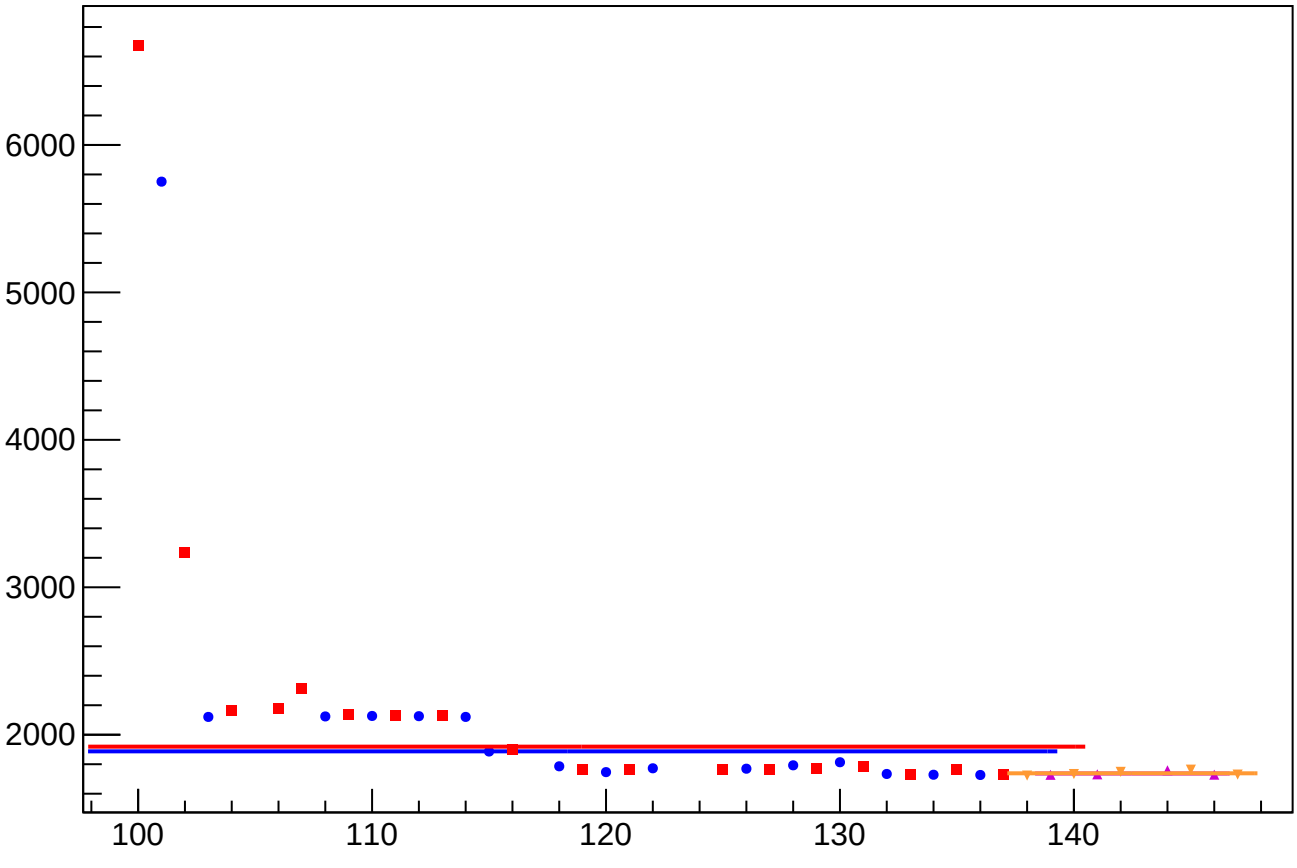
Left: -872.580+/-645.856 χ^2/NDF: 6.1/8

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -401.224+/-567.214 χ^2/NDF:22.9/19

Out: -30.686+/-565.753 χ^2/NDF:21.1/22

All: -215.477+/-400.564 χ^2/NDF: 44.2/42



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1738.354+/-0.639 χ^2/NDF:529.3/4

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1736.939+/-0.653 χ^2/NDF:374.6/3

Left: 1737.662+/-0.457 χ^2/NDF: 906.4/8

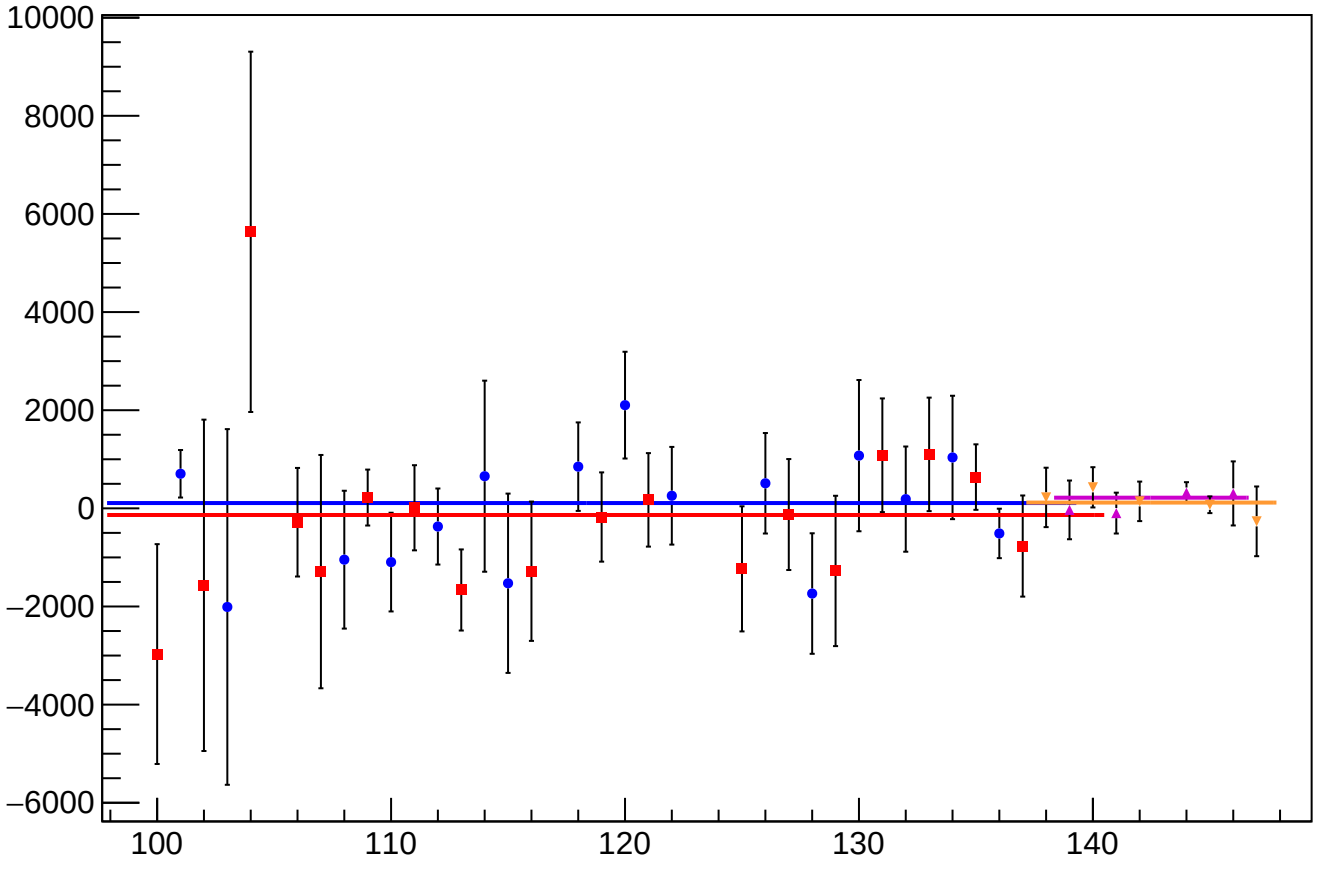
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1830.638+/-0.401 χ^2/NDF:722826.5/19

Out: 1848.215+/-0.400 χ^2/NDF:401800.0/22

All: 1839.450+/-0.283 χ^2/NDF: 1125589.2/42

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: 117.618+/-139.628 χ^2/NDF:1.0/4

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 217.305+/-173.824 χ^2/NDF:1.0/3

Left: 156.714+/-108.857 χ^2/NDF: 2.2/8

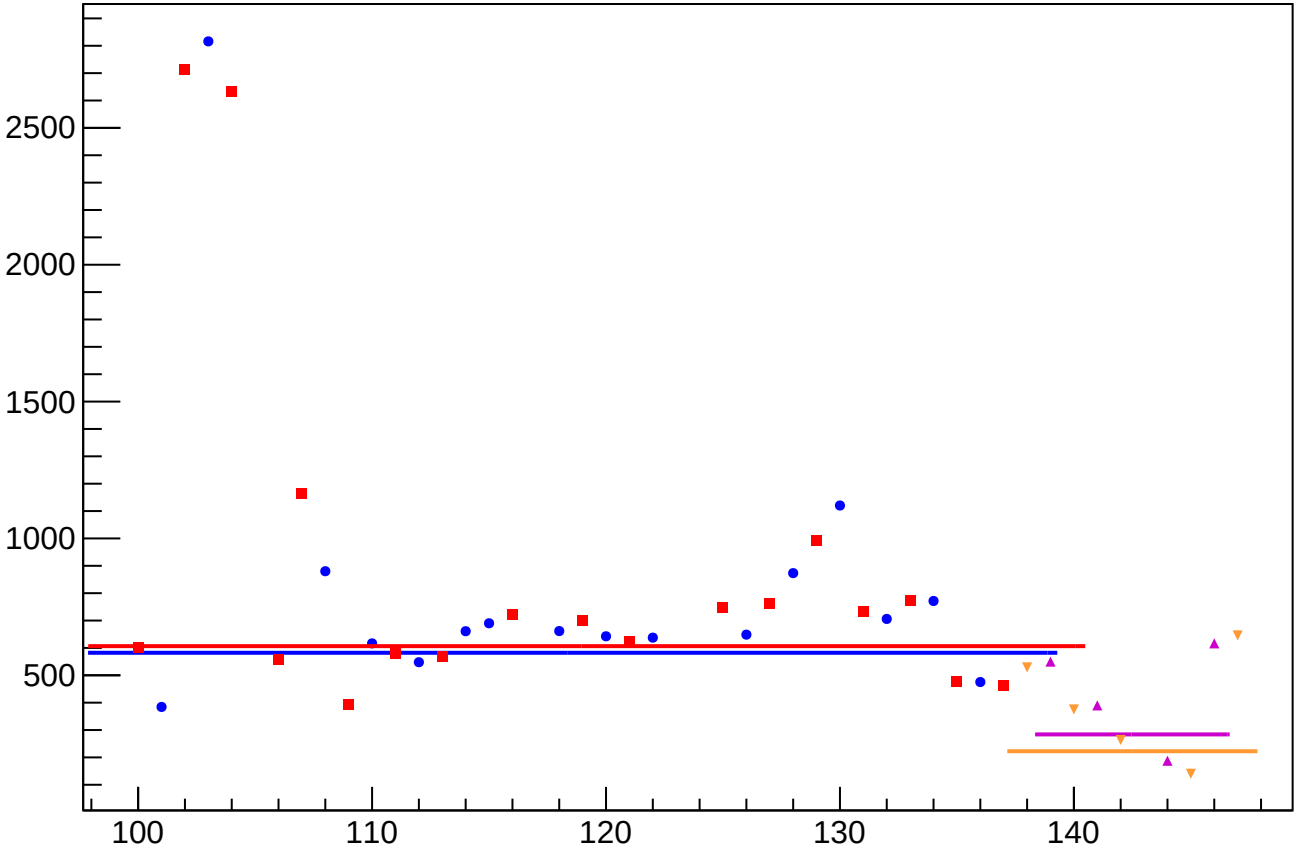
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 177.990+/-139.047 χ^2/NDF:15.3/19

Out: 55.952+/-121.423 χ^2/NDF:16.1/22

All: 108.751+/-91.459 χ^2/NDF: 31.9/42

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: 222.469+/-0.099 χ^2/NDF:1986623.9/4

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 284.016+/-0.123 χ^2/NDF:1454620.1/3

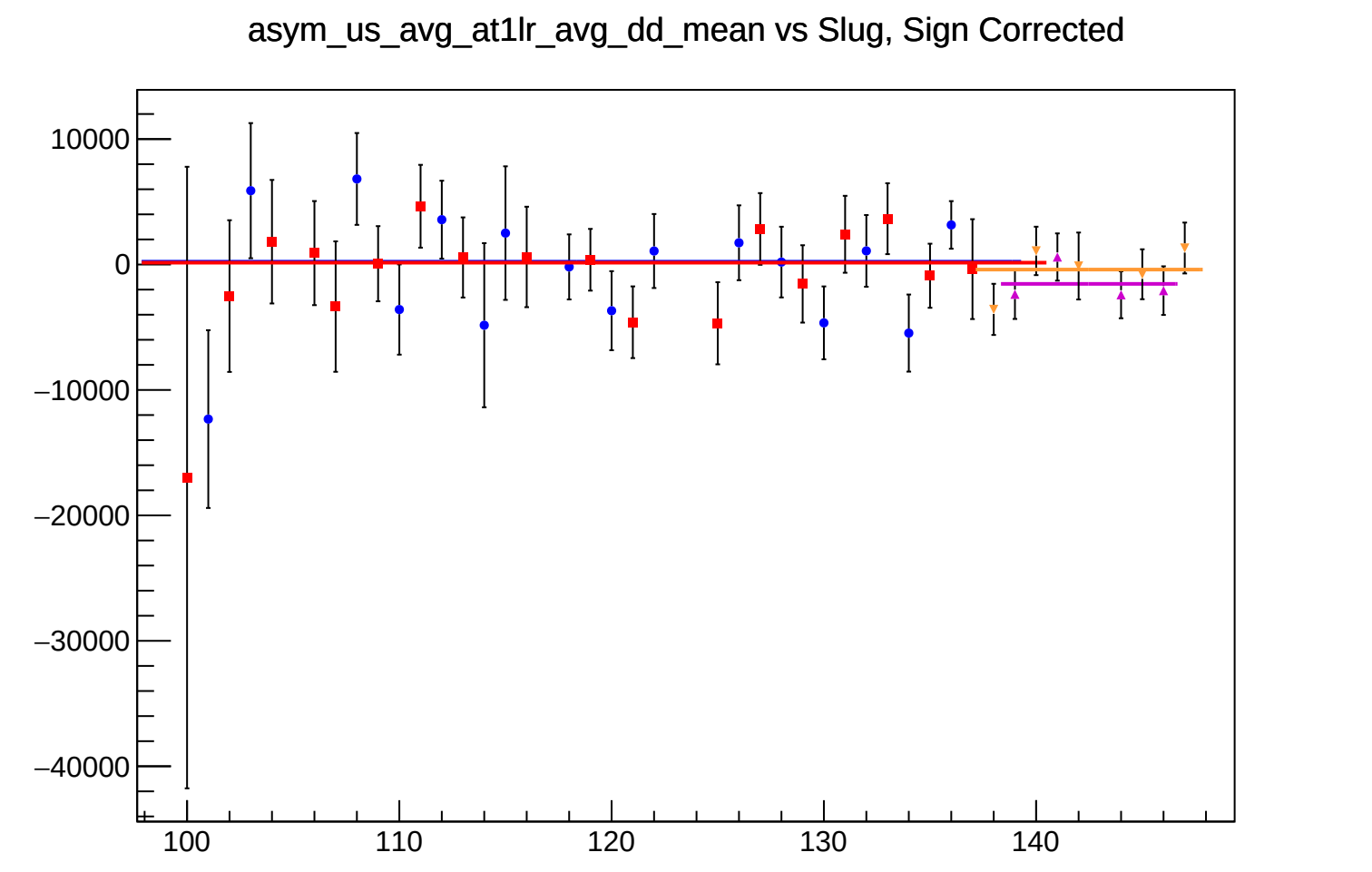
Left: 246.607+/-0.077 χ^2/NDF: 3593647.3/8

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 391.420+/-0.098 χ^2/NDF:5329289.9/19

Out: 316.069+/-0.086 χ^2/NDF:7872010.2/22

All: 348.669+/-0.065 χ^2/NDF: 13534520.7/42



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -403.044+/-934.457 χ^2/NDF:3.8/4

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -1542.512+/-957.619 χ^2/NDF:1.8/3

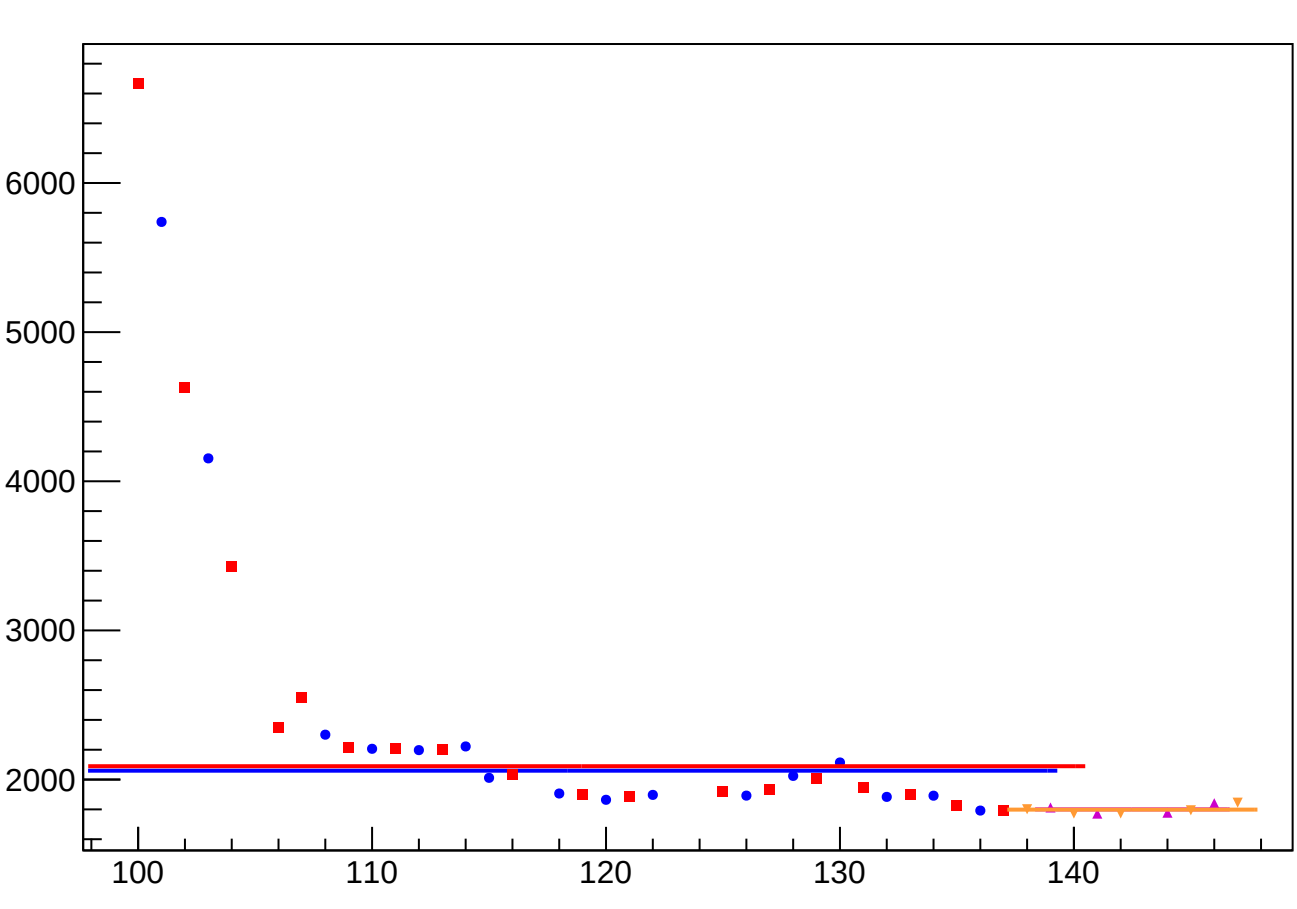
Left: -958.831+/-668.800 χ^2/NDF: 6.3/8

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -492.866+/-610.165 χ^2/NDF:25.0/19

Out: -83.113+/-605.152 χ^2/NDF:15.5/22

All: -286.299+/-429.668 χ^2/NDF: 40.7/42



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1798.405+/-0.661 χ^2/NDF:1632.3/4

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1800.040+/-0.677 χ^2/NDF:1725.1/3

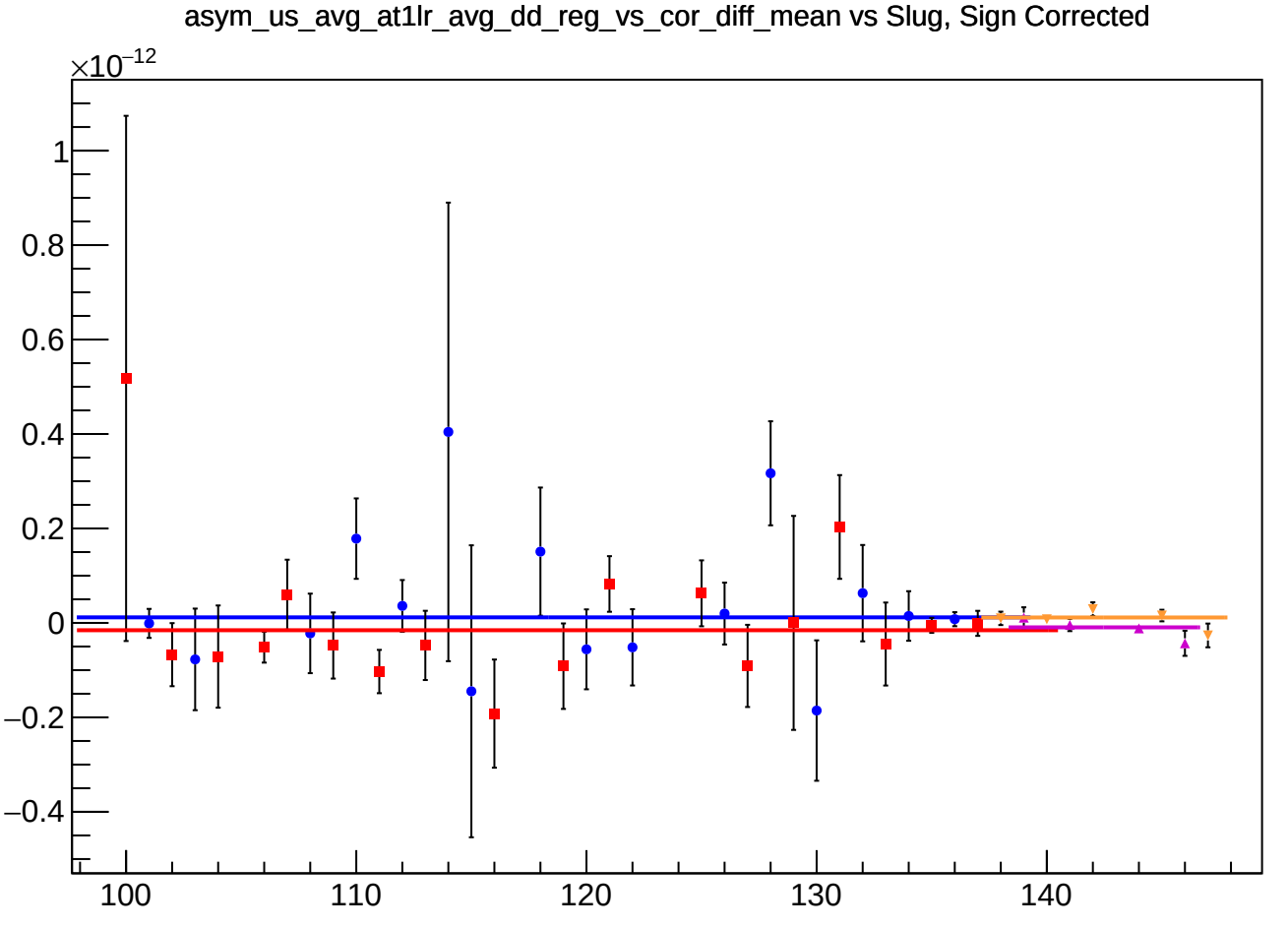
Left: 1799.202+/-0.473 χ^2/NDF: 3360.4/8

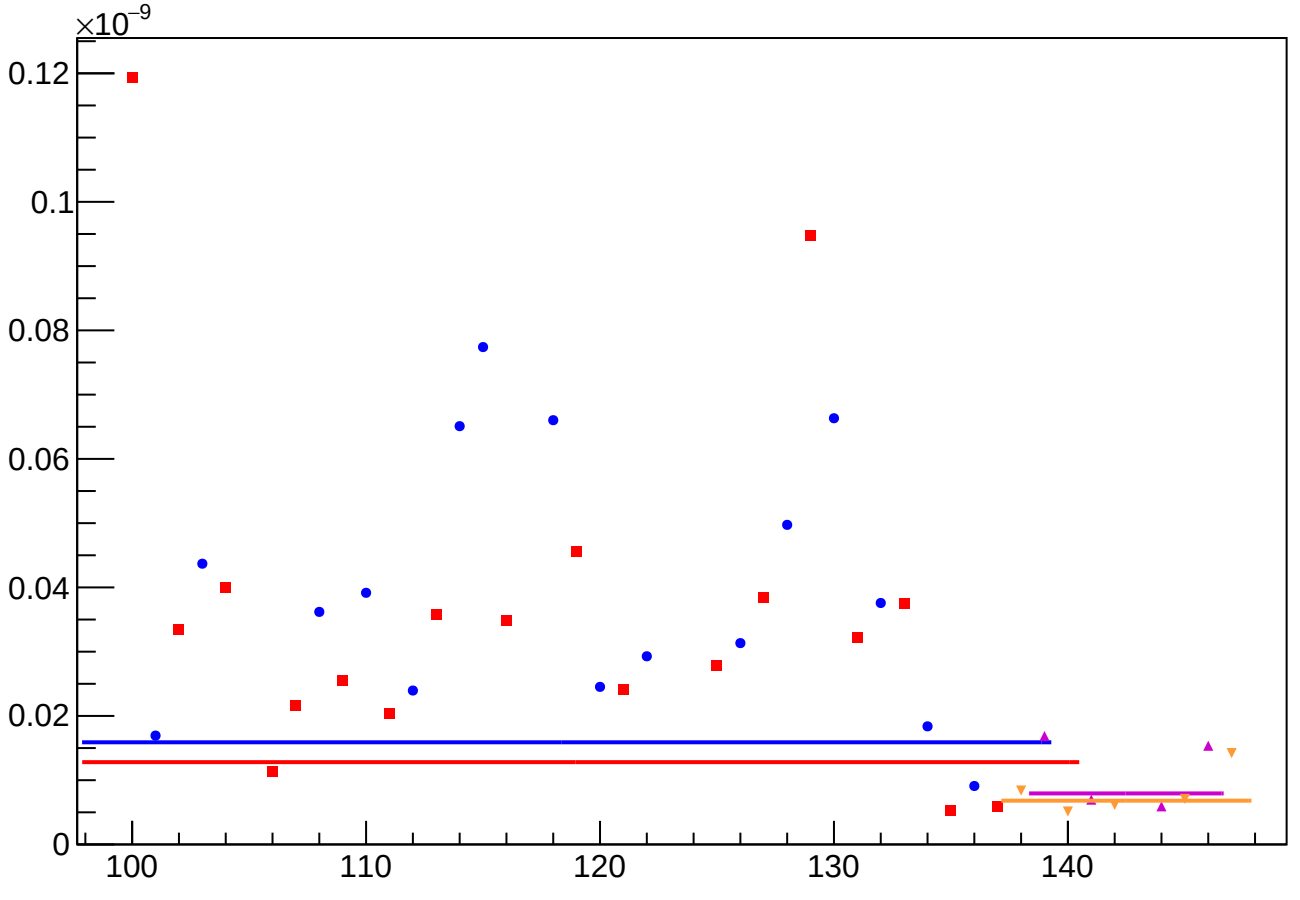
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1954.161+/-0.431 χ^2/NDF:1028809.7/19

Out: 1967.407+/-0.428 χ^2/NDF:795766.7/22

All: 1960.838+/-0.304 χ^2/NDF: 1825051.6/42


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
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4.1/4
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:2.7/3
Left: 0.000+/-0.000 χ²/NDF: 12.1/8
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:23.2/19
Out: 0.000+/-0.000 χ²/NDF:29.7/22
All: 0.000+/-0.000 χ²/NDF: 54.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:264786.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:593236.1/3

Left: 0.000+/-0.000 χ^2/NDF: 888816.2/8

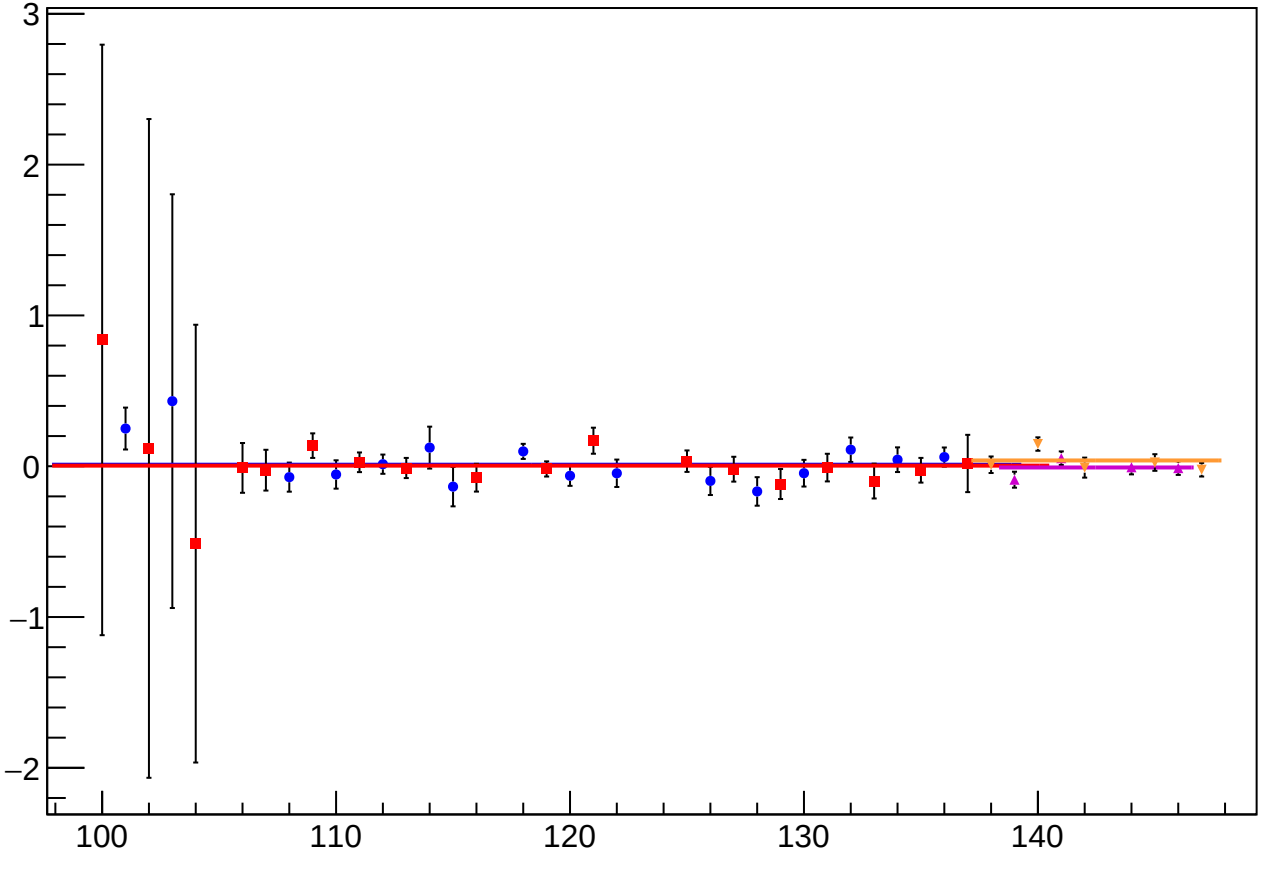
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:3226003.3/19

Out: 0.000+/-0.000 χ^2/NDF:3233849.4/22

All: 0.000+/-0.000 χ^2/NDF: 6566045.8/42

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: 0.038+/-0.023 χ^2/NDF:8.7/4

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.008+/-0.024 χ^2/NDF:4.2/3

Left: 0.016+/-0.017 χ^2/NDF: 14.9/8

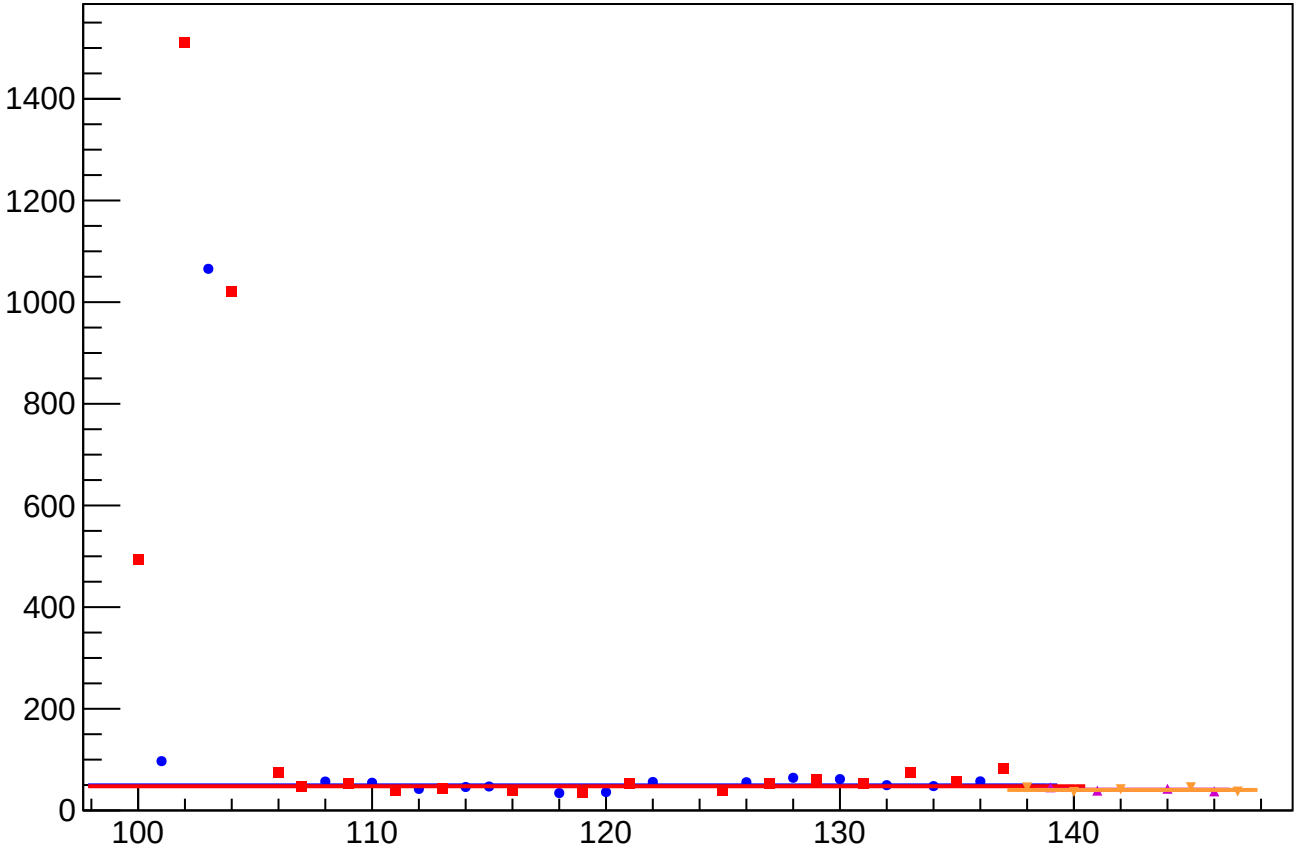
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.016 χ^2/NDF:23.0/19

Out: 0.020+/-0.016 χ^2/NDF:20.3/22

All: 0.011+/-0.011 χ^2/NDF: 44.0/42

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: 40.369+/-0.016 χ^2/NDF:62052.8/4

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 40.905+/-0.017 χ^2/NDF:32788.6/3

Left: 40.629+/-0.012 χ^2/NDF: 95366.9/8

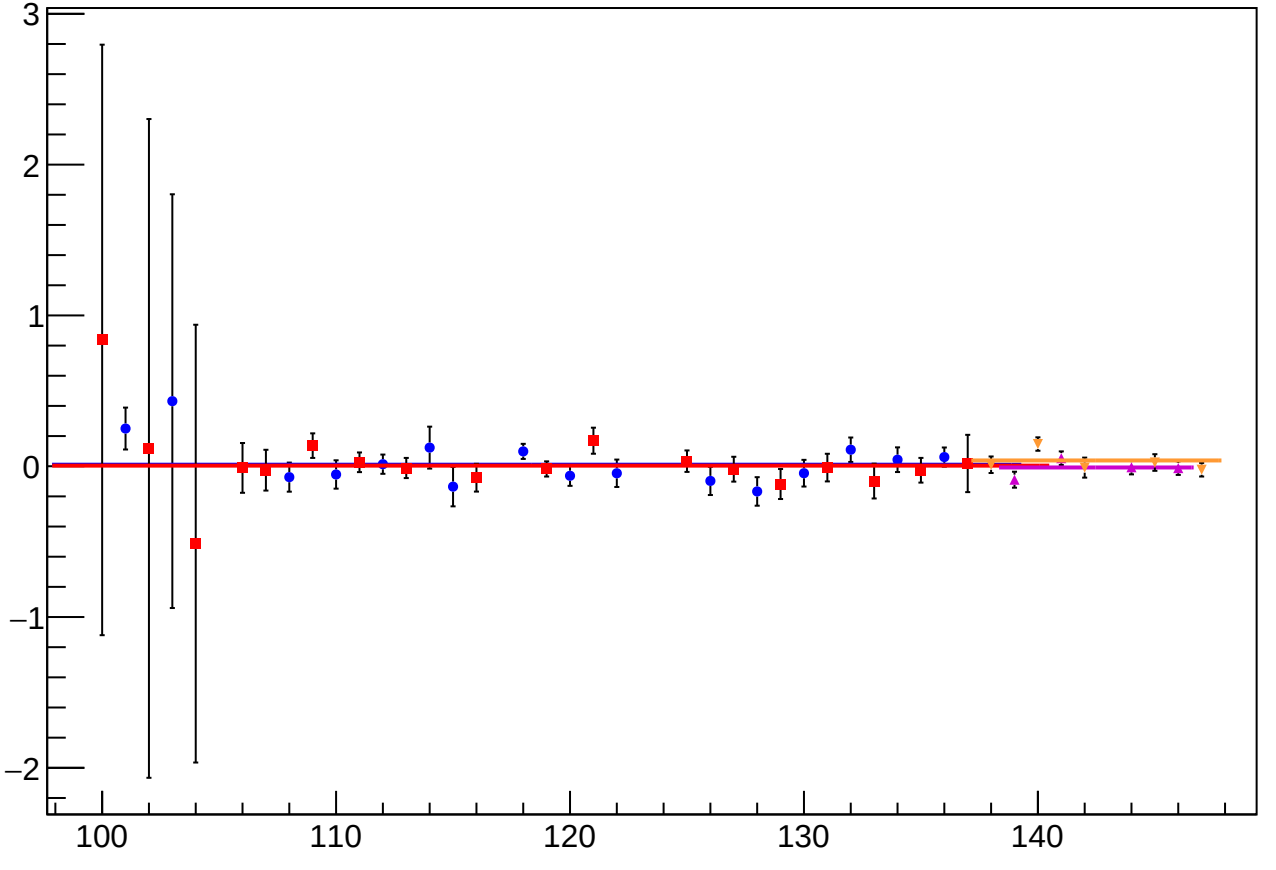
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.632+/-0.011 χ^2/NDF:1951854.6/19

Out: 44.236+/-0.011 χ^2/NDF:2585598.8/22

All: 44.934+/-0.008 χ^2/NDF: 4545354.9/42

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: 0.038+/-0.023 χ^2/NDF:8.7/4

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.008+/-0.024 χ^2/NDF:4.2/3

Left: 0.016+/-0.017 χ^2/NDF: 14.9/8

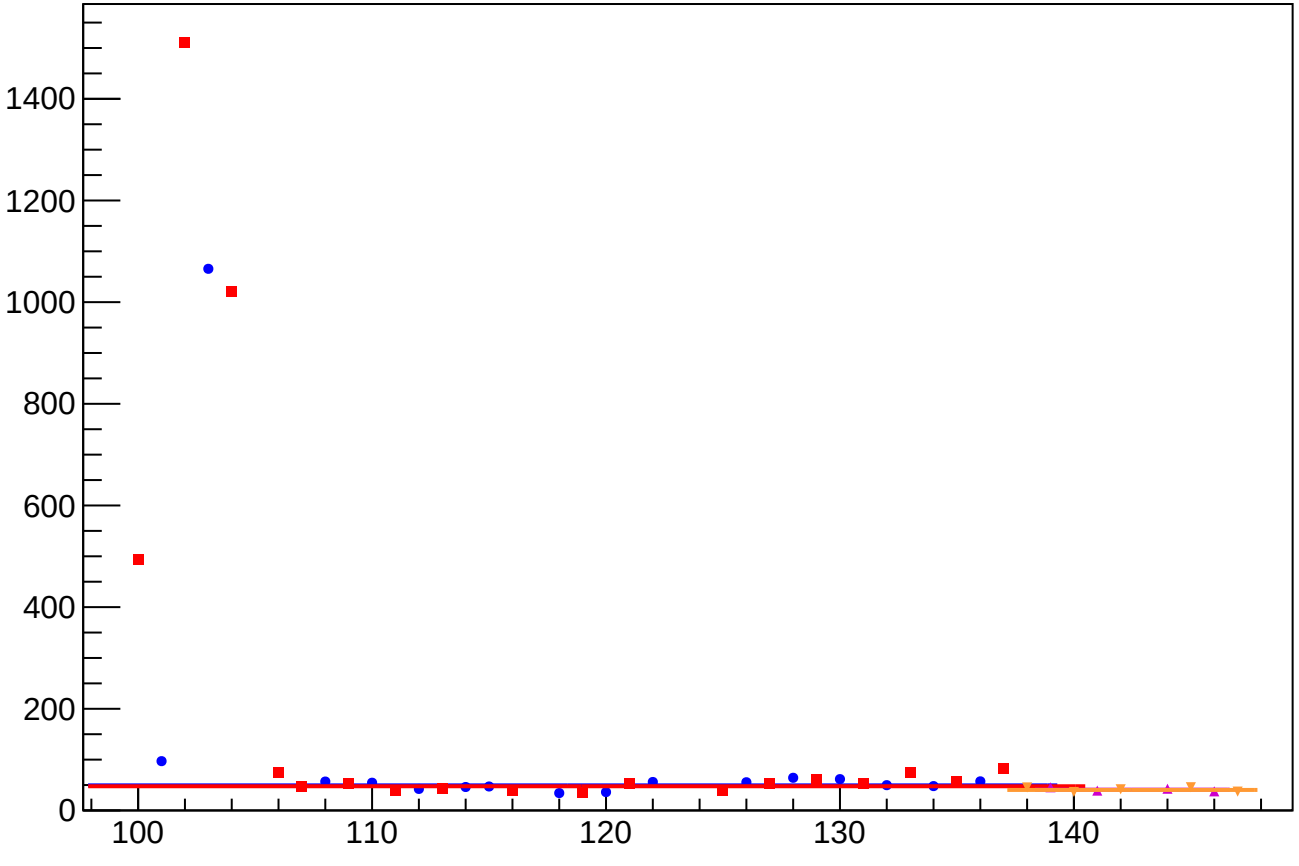
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.016 χ^2/NDF:23.0/19

Out: 0.020+/-0.016 χ^2/NDF:20.3/22

All: 0.011+/-0.011 χ^2/NDF: 44.0/42

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: 40.369+/-0.016 χ^2/NDF:62052.8/4

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 40.905+/-0.017 χ^2/NDF:32788.6/3

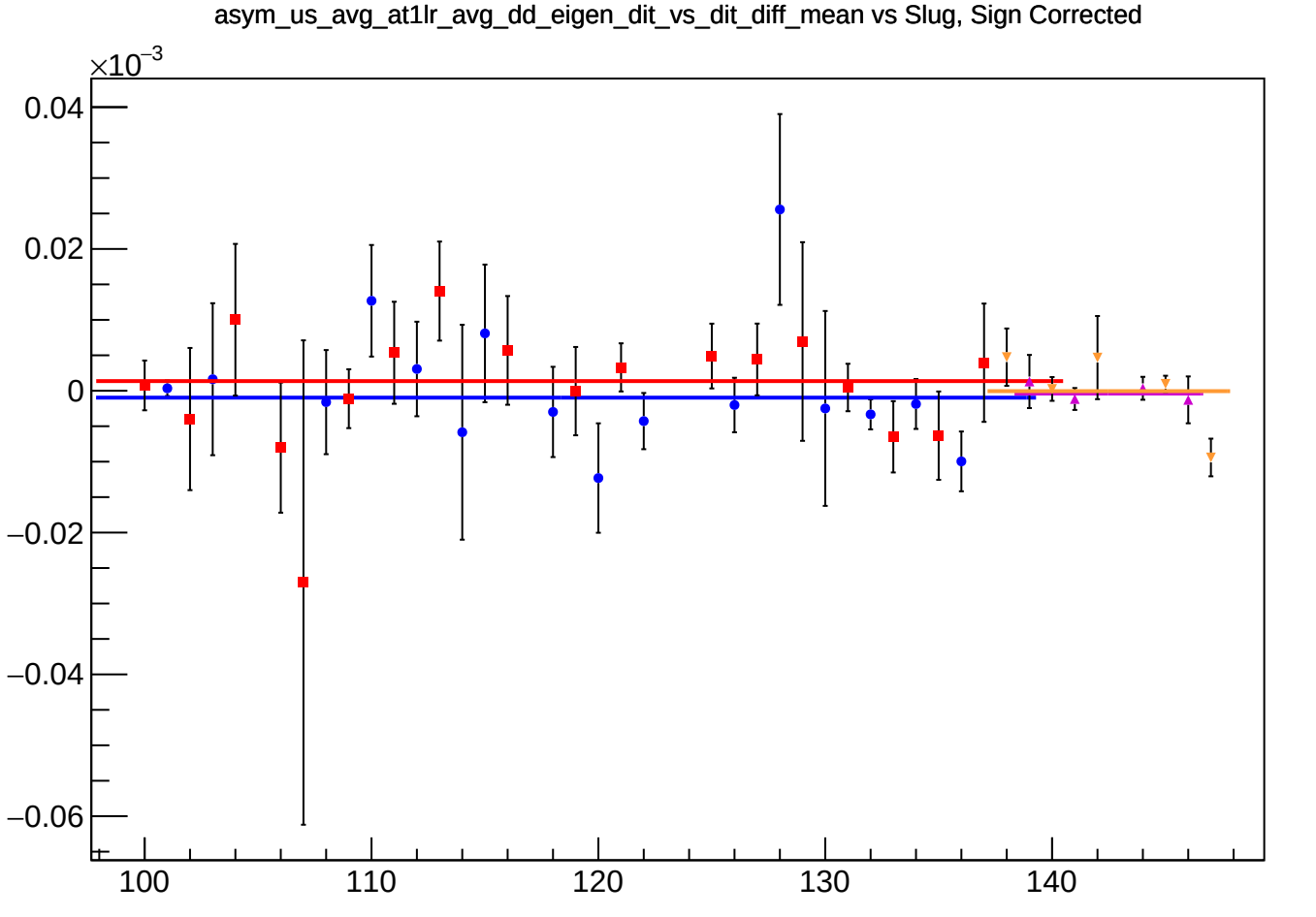
Left: 40.629+/-0.012 χ^2/NDF: 95366.9/8

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.632+/-0.011 χ^2/NDF:1951854.6/19

Out: 44.236+/-0.011 χ^2/NDF:2585598.8/22

All: 44.934+/-0.008 χ^2/NDF: 4545354.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

Left: -0.000+/-0.000 χ^2/NDF: 16.1/8

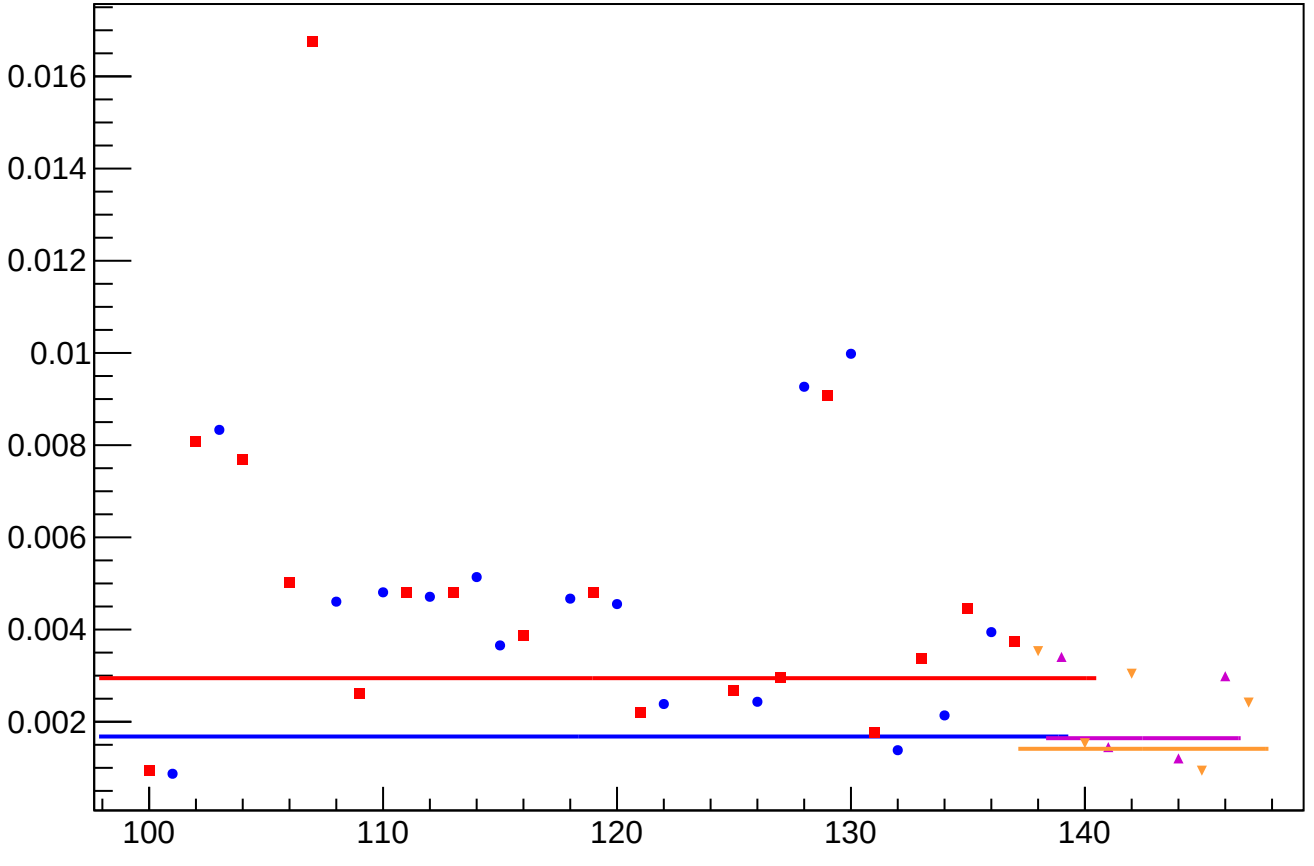
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:19.6/19

Out: 0.000+/-0.000 χ^2/NDF:28.8/22

All: -0.000+/-0.000 χ^2/NDF: 49.7/42

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:1341631.7/4

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:951641.8/3

Left: 0.002+/-0.000 χ^2/NDF: 2352802.5/8

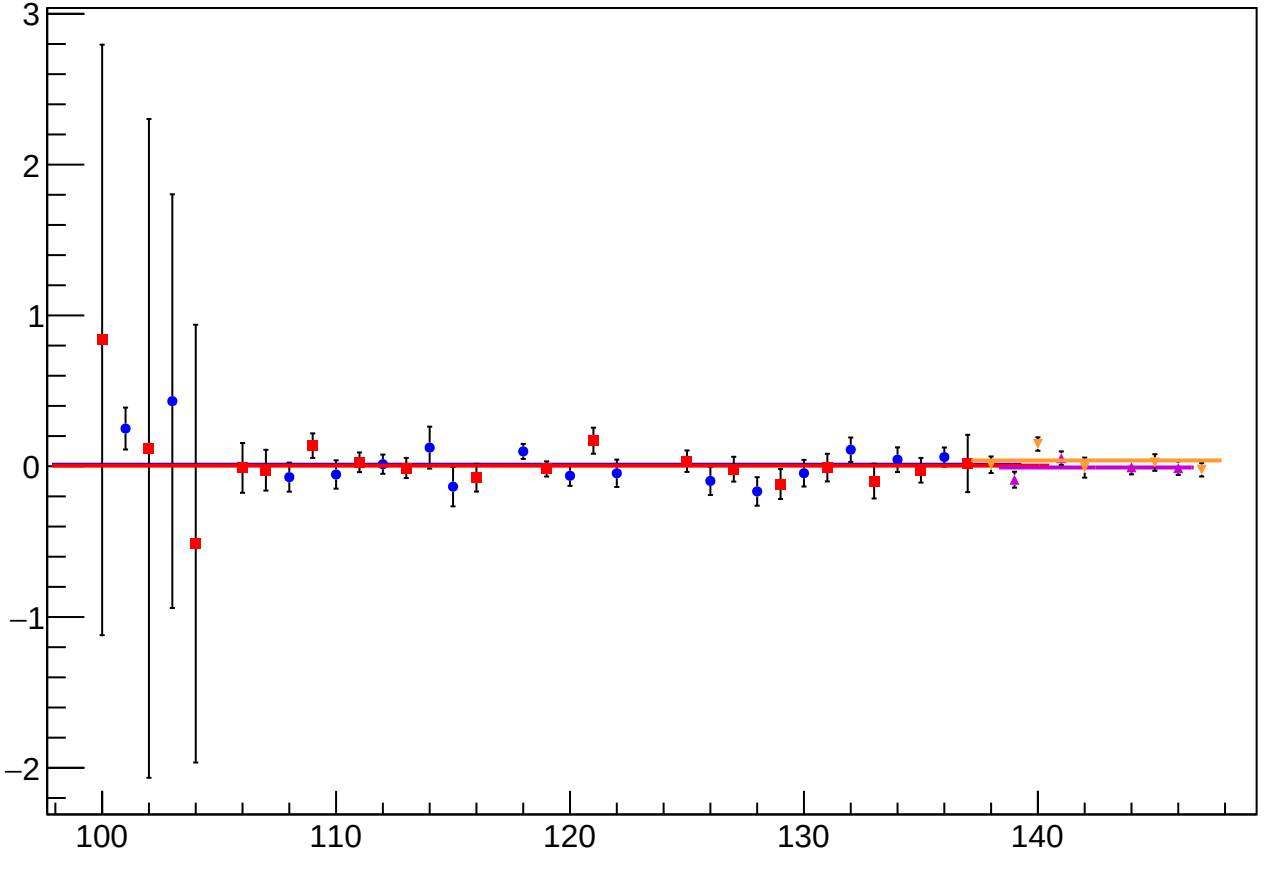
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:6913414.5/19

Out: 0.002+/-0.000 χ^2/NDF:6674046.6/22

All: 0.002+/-0.000 χ^2/NDF: 13692209.3/42

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: 0.038+/-0.023 χ^2/NDF:8.7/4

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.008+/-0.024 χ^2/NDF:4.2/3

Left: 0.016+/-0.017 χ^2/NDF: 14.9/8

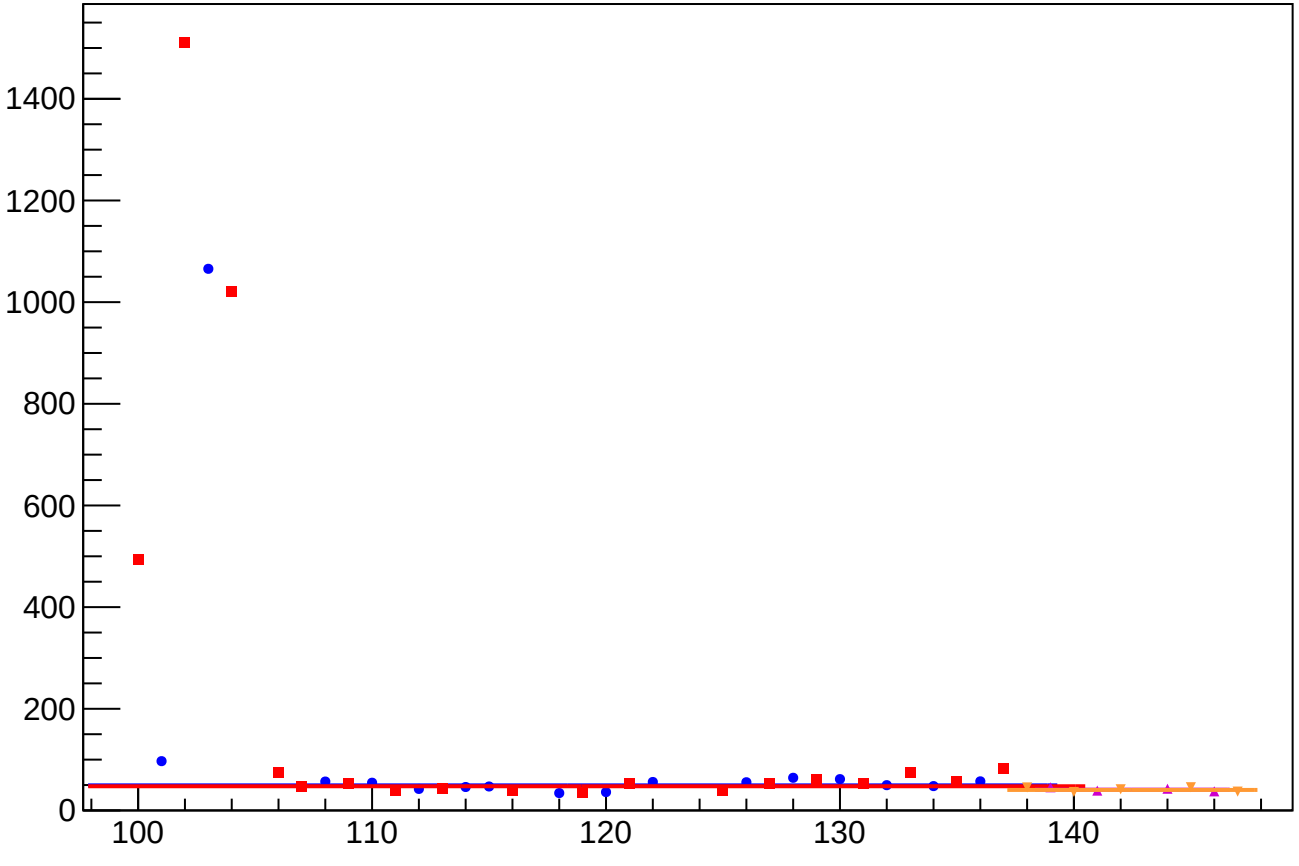
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.016 χ^2/NDF:23.0/19

Out: 0.020+/-0.016 χ^2/NDF:20.3/22

All: 0.011+/-0.011 χ^2/NDF: 44.0/42

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: 40.369+/-0.016 χ^2/NDF:62062.6/4

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 40.904+/-0.017 χ^2/NDF:32795.0/3

Left: 40.629+/-0.012 χ^2/NDF: 95381.5/8

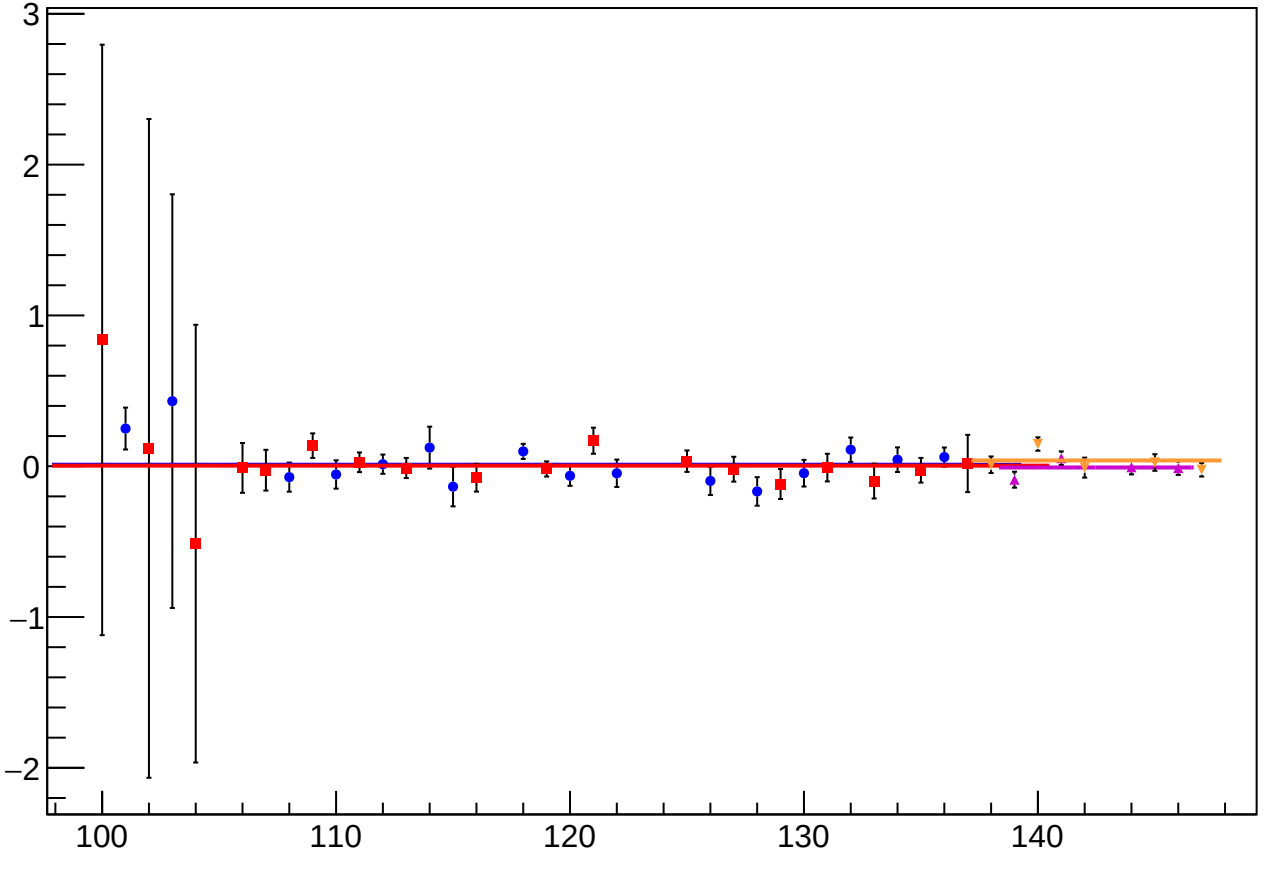
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.631+/-0.011 χ^2/NDF:1951833.0/19

Out: 44.235+/-0.011 χ^2/NDF:2585620.1/22

All: 44.934+/-0.008 χ^2/NDF: 4545356.8/42

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: 0.038+/-0.023 χ^2/NDF:8.7/4

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.008+/-0.024 χ^2/NDF:4.2/3

Left: 0.016+/-0.017 χ^2/NDF: 14.9/8

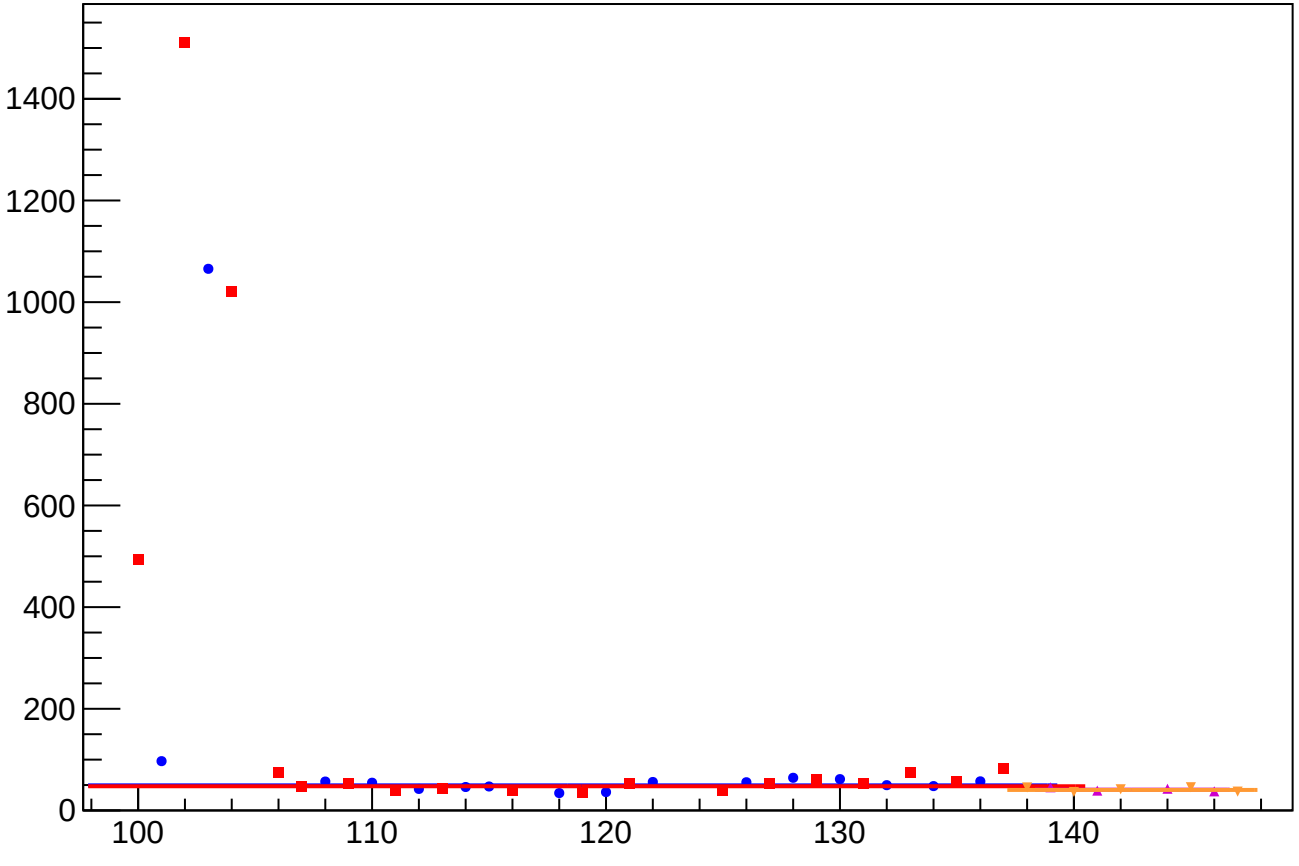
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.016 χ^2/NDF:23.0/19

Out: 0.020+/-0.016 χ^2/NDF:20.3/22

All: 0.011+/-0.011 χ^2/NDF: 44.0/42

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: 40.369+/-0.016 χ^2/NDF:62062.6/4

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 40.904+/-0.017 χ^2/NDF:32795.0/3

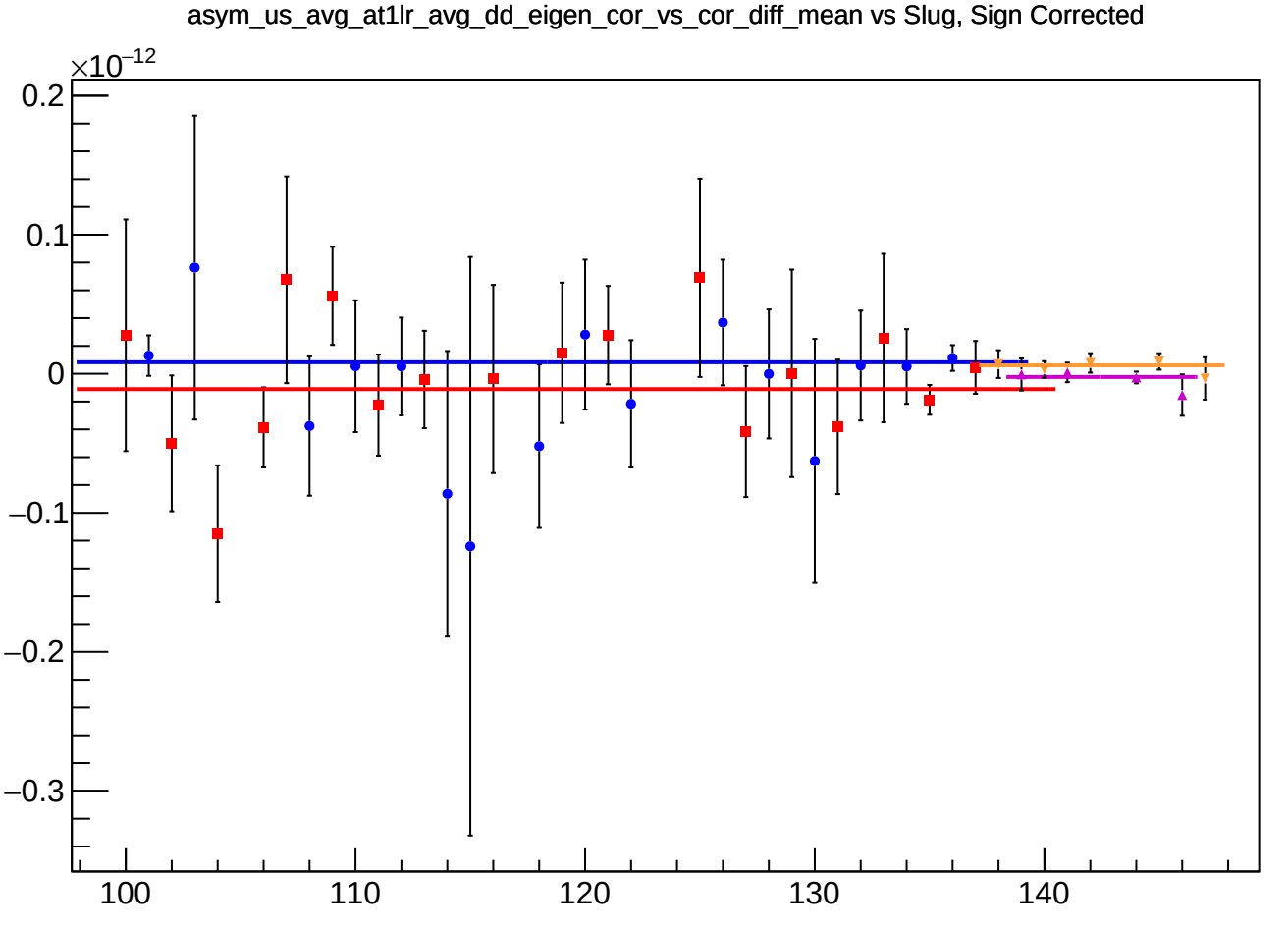
Left: 40.629+/-0.012 χ^2/NDF: 95381.5/8

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.631+/-0.011 χ^2/NDF:1951833.0/19

Out: 44.235+/-0.011 χ^2/NDF:2585620.1/22

All: 44.934+/-0.008 χ^2/NDF: 4545356.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

Left: 0.000+/-0.000 χ^2/NDF: 5.1/8

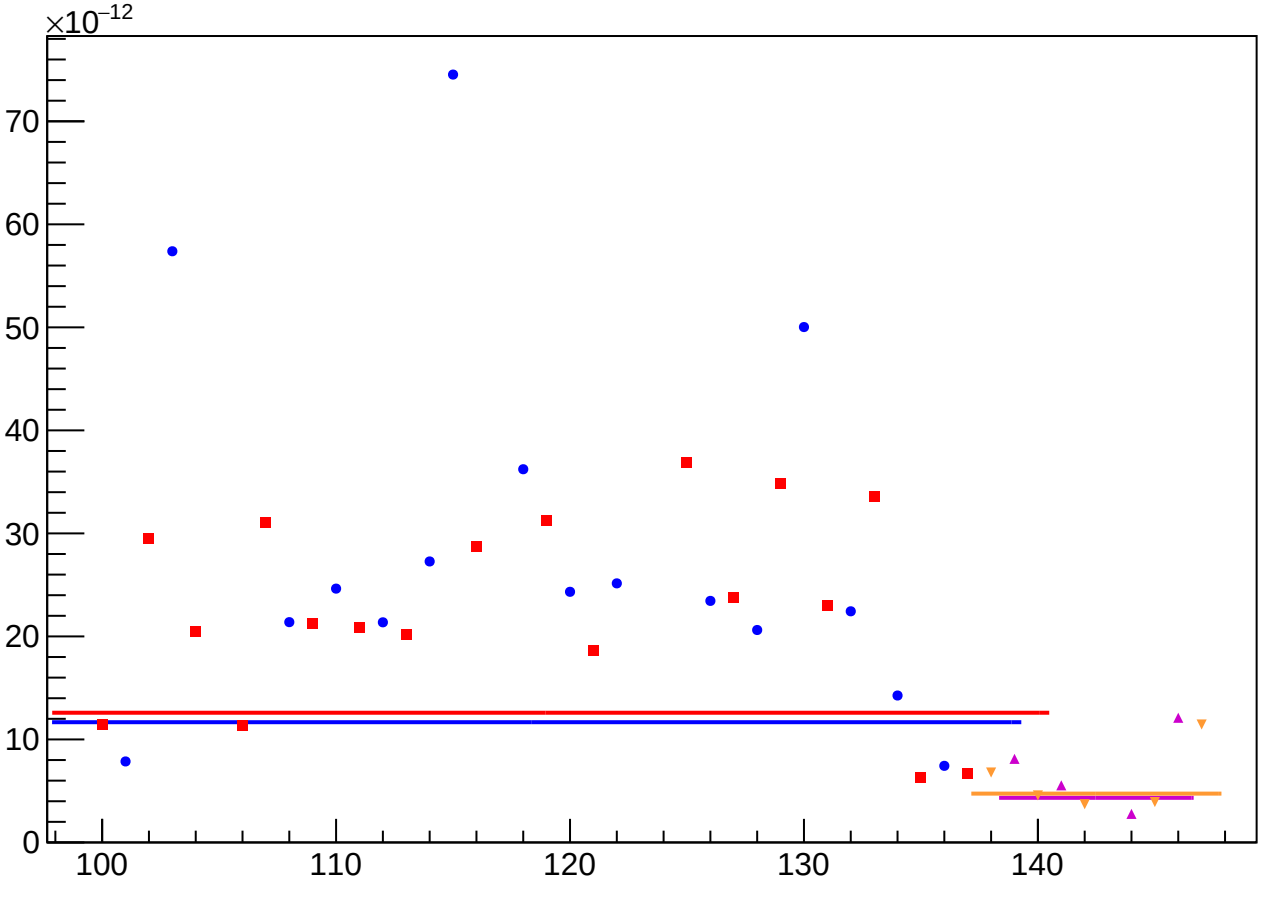
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:8.5/19

Out: 0.000+/-0.000 χ^2/NDF:21.8/22

All: 0.000+/-0.000 χ^2/NDF: 30.8/42

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:555374.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1095863.0/3

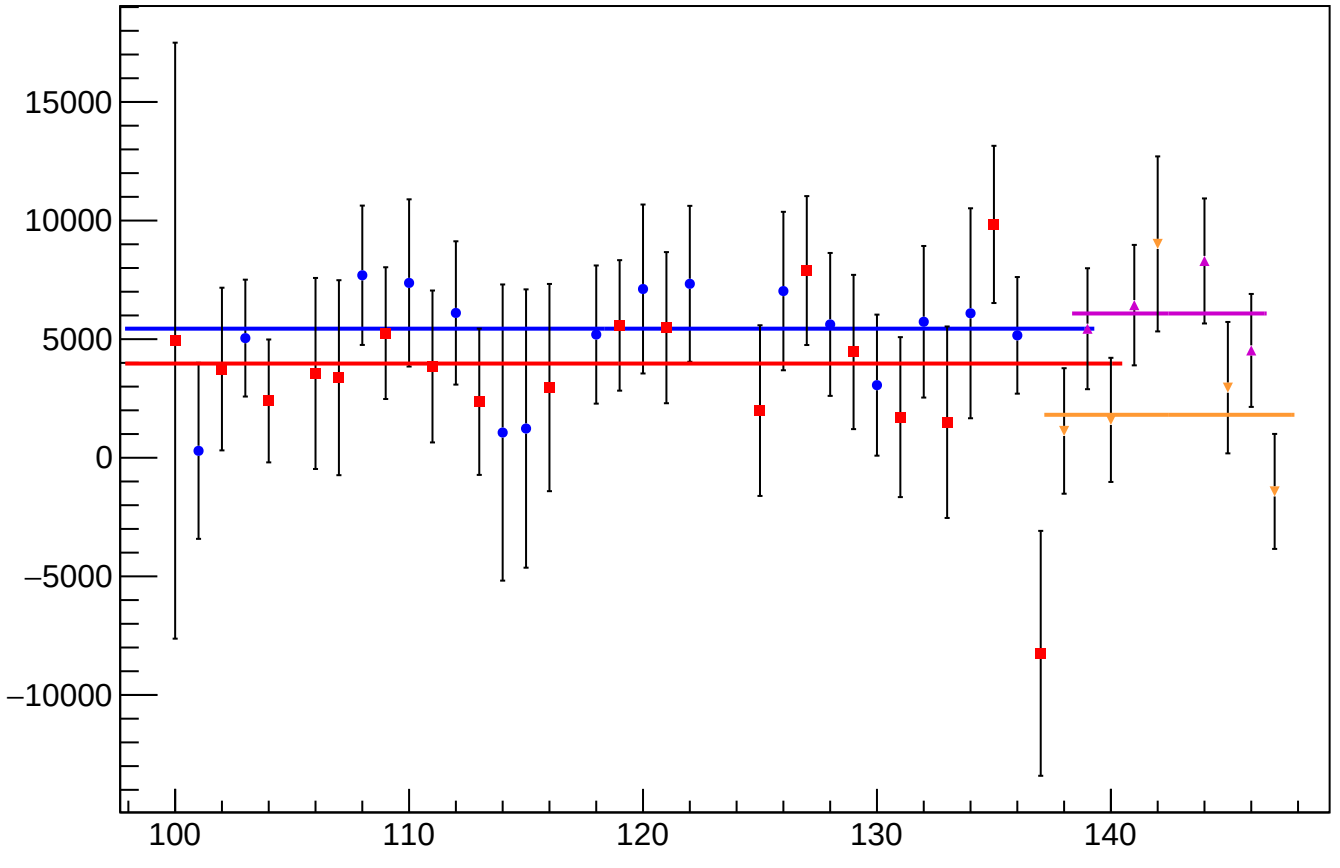
Left: 0.000+/-0.000 χ^2/NDF: 1666230.9/8

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:5935018.9/19

Out: 0.000+/-0.000 χ^2/NDF:5430960.3/22

All: 0.000+/-0.000 χ^2/NDF: 11374721.5/42



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1811.339+/-1228.286 χ^2/NDF:5.8/4

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 6082.588+/-1260.601 χ^2/NDF:1.2/3

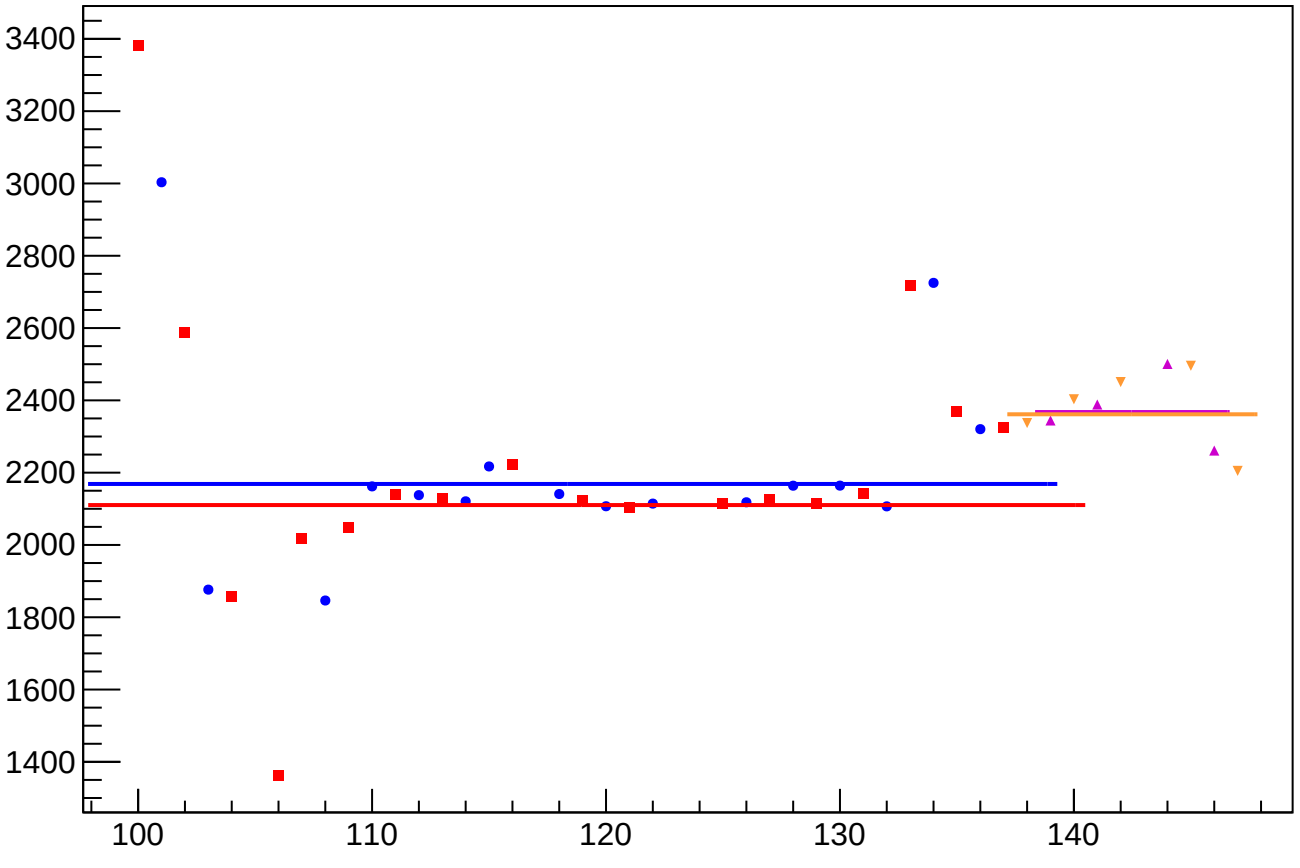
Left: 3891.515+/-879.732 χ^2/NDF: 12.9/8

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5630.260+/-682.956 χ^2/NDF:6.8/19

Out: 3318.062+/-675.634 χ^2/NDF:21.0/22

All: 4461.700+/-480.313 χ^2/NDF: 33.5/42



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2361.472+/-0.869 χ^2/NDF:14879.5/4

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

Left: 2364.507+/-0.622 χ^2/NDF: 24311.5/8

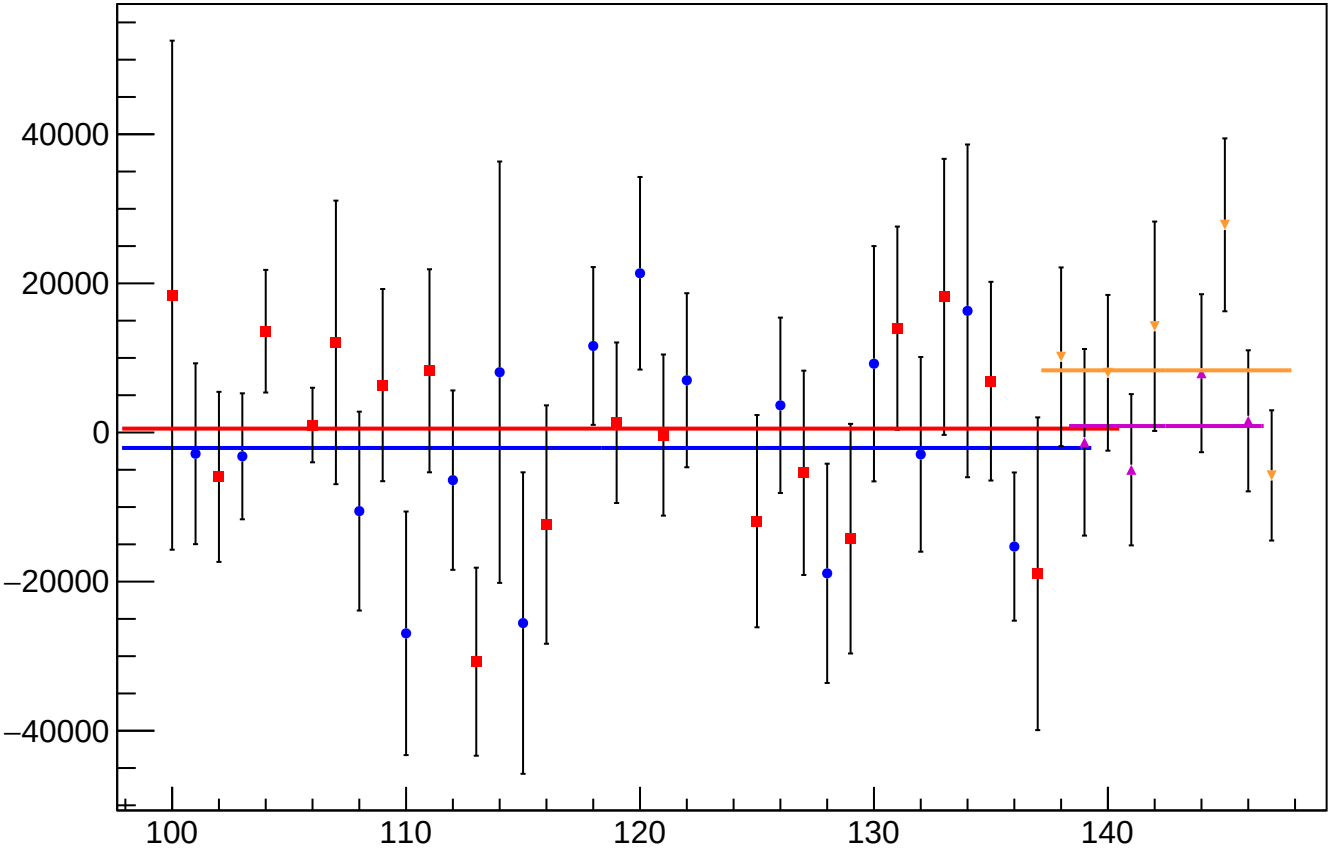
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2227.121+/-0.483 χ^2/NDF:240273.7/19

Out: 2184.656+/-0.472 χ^2/NDF:341151.7/22

All: 2205.422+/-0.338 χ^2/NDF: 585376.6/42

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: 8338.433+/-4894.311 χ^2/NDF:5.6/4

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 866.082+/-5256.886 χ^2/NDF:0.8/3

Left: 4868.811+/-3582.127 χ^2/NDF: 7.5/8

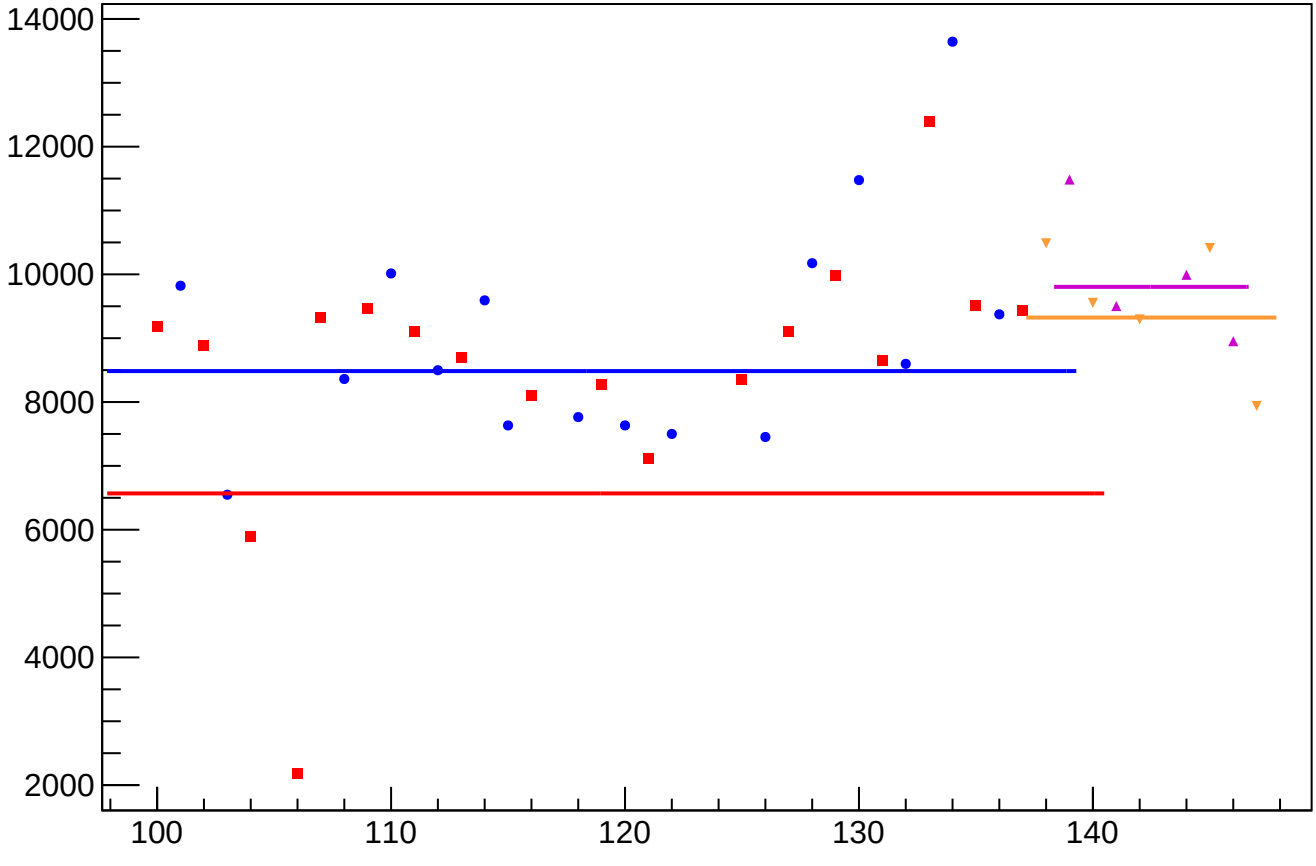
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -1275.338+/-2740.924 χ^2/NDF:15.5/19

Out: 2361.481+/-2374.565 χ^2/NDF:23.3/22

All: 802.202+/-1794.726 χ^2/NDF: 39.7/42

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: 9323.500+/-3.461 χ^2/NDF:87682.9/4

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9804.026+/-3.717 χ^2/NDF:54648.6/3

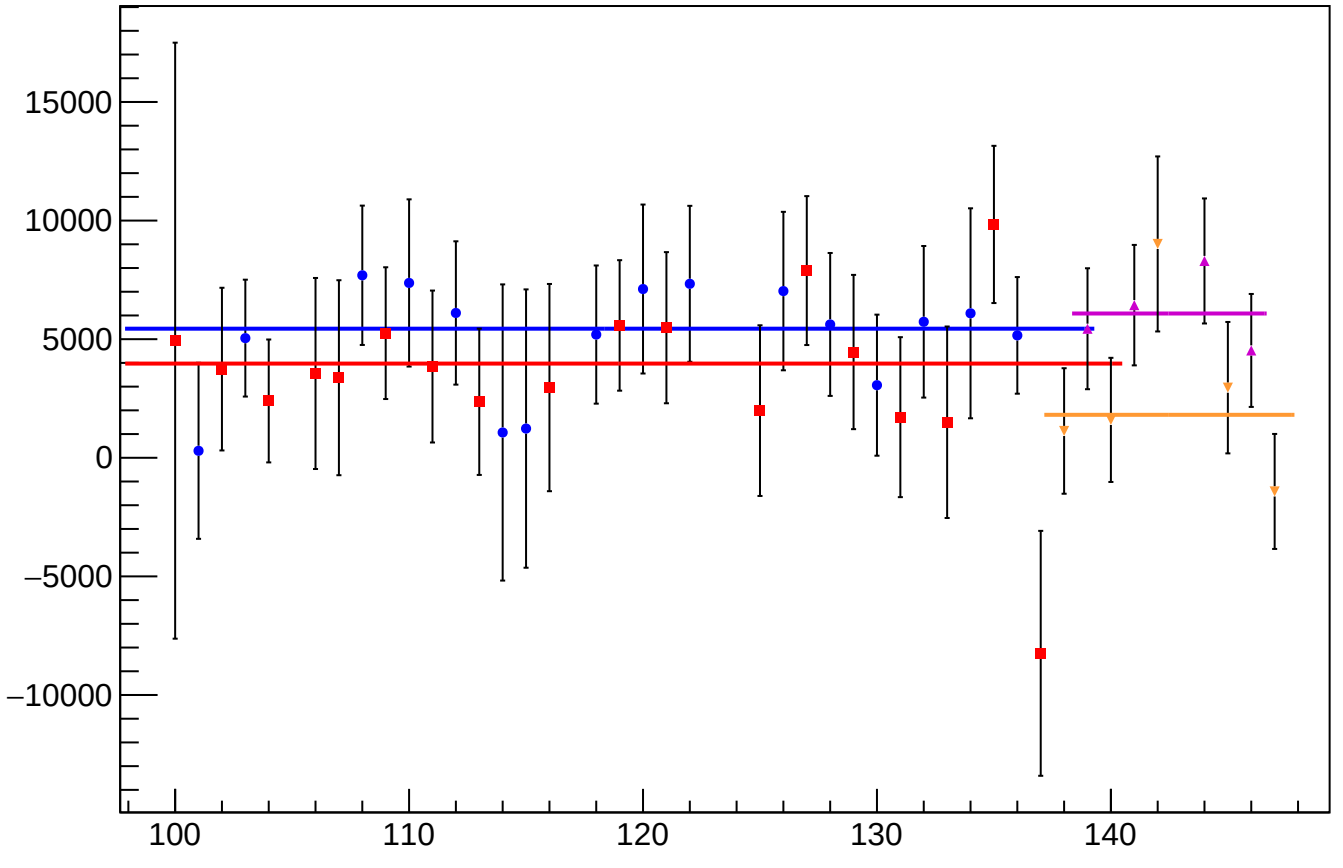
Left: 9546.621+/-2.533 χ^2/NDF: 151283.2/8

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8843.583+/-1.938 χ^2/NDF:569039.6/19

Out: 7217.156+/-1.679 χ^2/NDF:3141037.2/22

All: 7914.483+/-1.269 χ^2/NDF: 4112361.0/42



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1811.475+/-1228.286 χ^2/NDF:5.8/4

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 6082.898+/-1260.601 χ^2/NDF:1.2/3

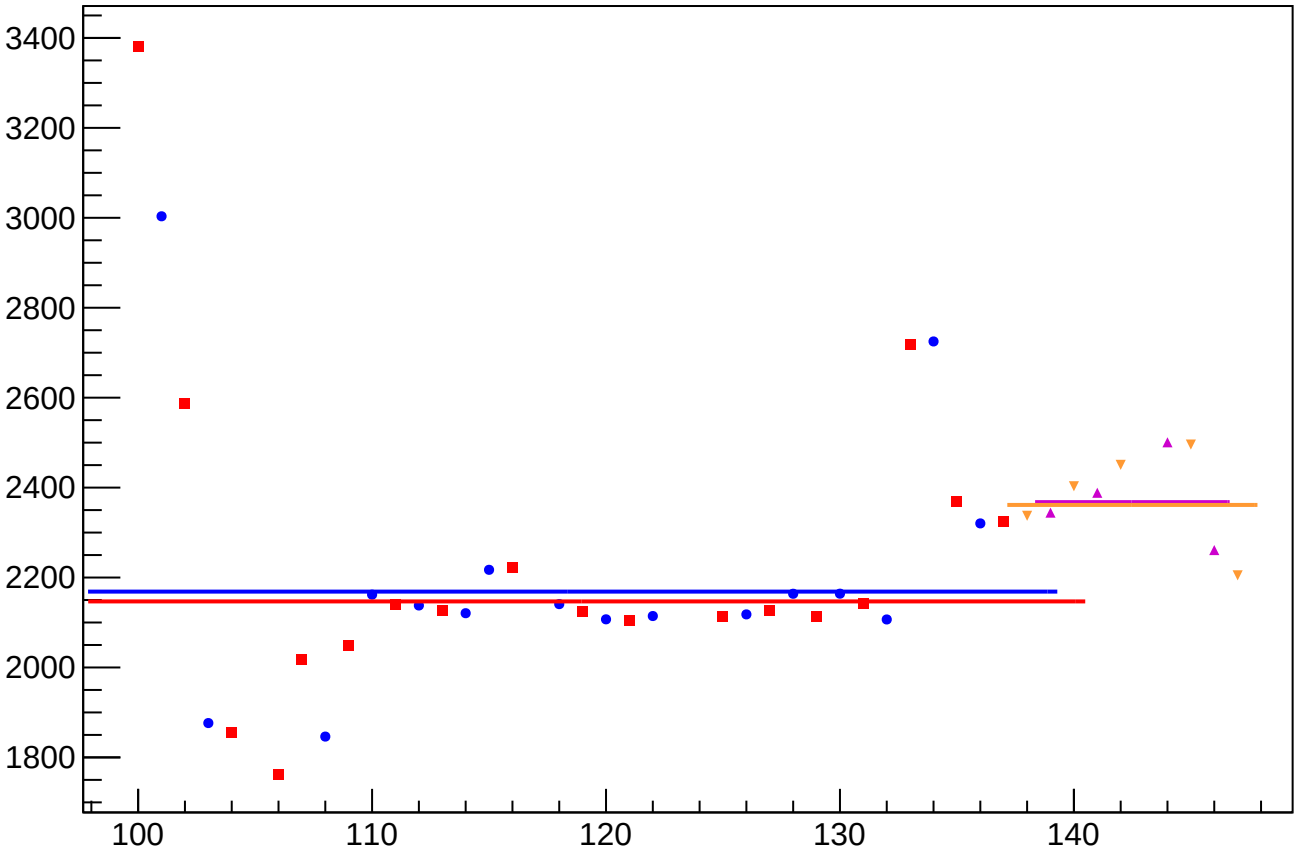
Left: 3891.736+/-879.732 χ^2/NDF: 12.9/8

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5630.451+/-682.956 χ^2/NDF:6.8/19

Out: 3317.922+/-675.634 χ^2/NDF:21.0/22

All: 4461.724+/-480.313 χ^2/NDF: 33.5/42



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2361.472+/-0.869 χ^2/NDF:14879.5/4

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2367.704+/-0.891 χ^2/NDF:9406.9/3

Left: 2364.507+/-0.622 χ^2/NDF: 24311.5/8

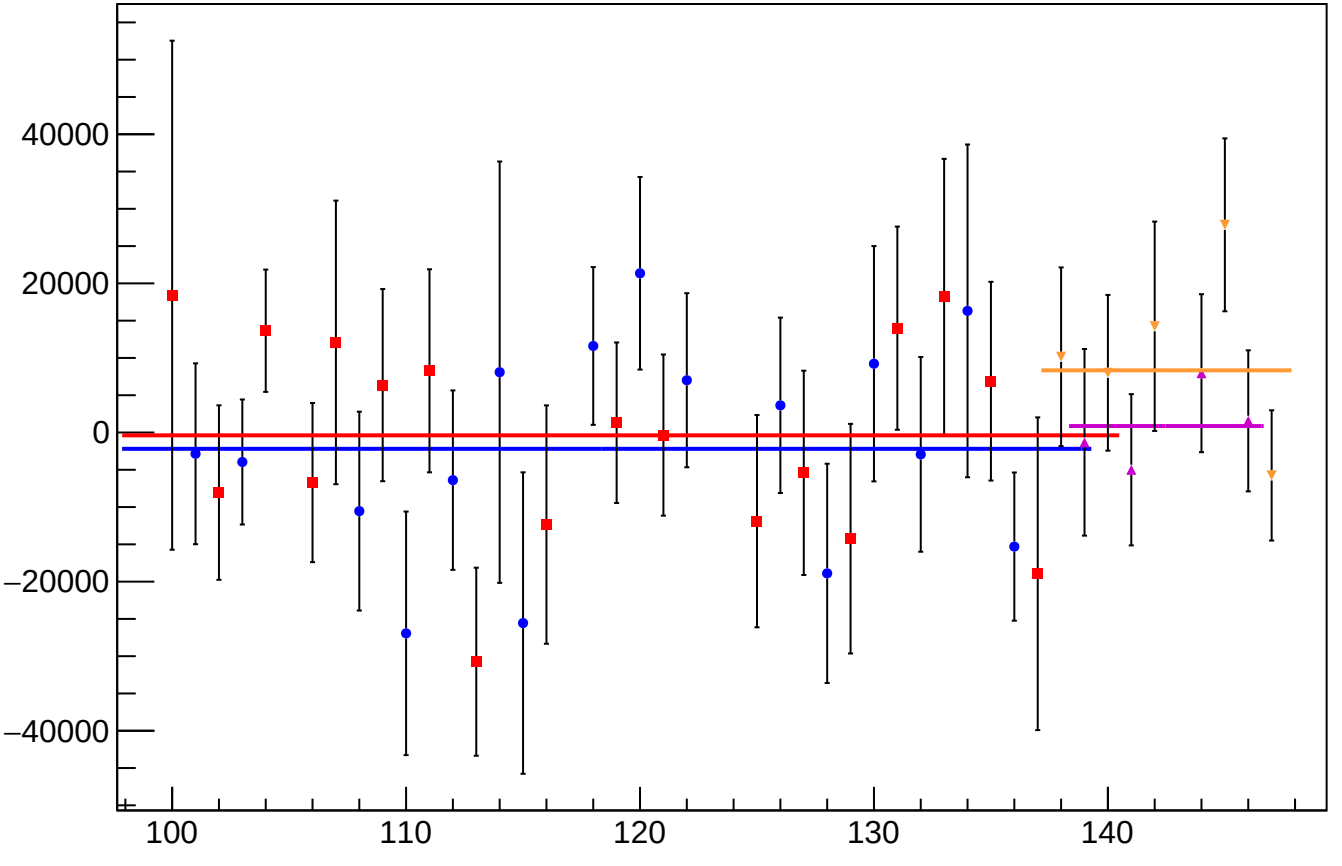
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2227.121+/-0.483 χ^2/NDF:240274.1/19

Out: 2211.365+/-0.476 χ^2/NDF:215330.5/22

All: 2219.131+/-0.339 χ^2/NDF: 456144.5/42

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: 8338.504+/-4894.306 χ^2/NDF:5.6/4

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 866.165+/-5256.883 χ^2/NDF:0.8/3

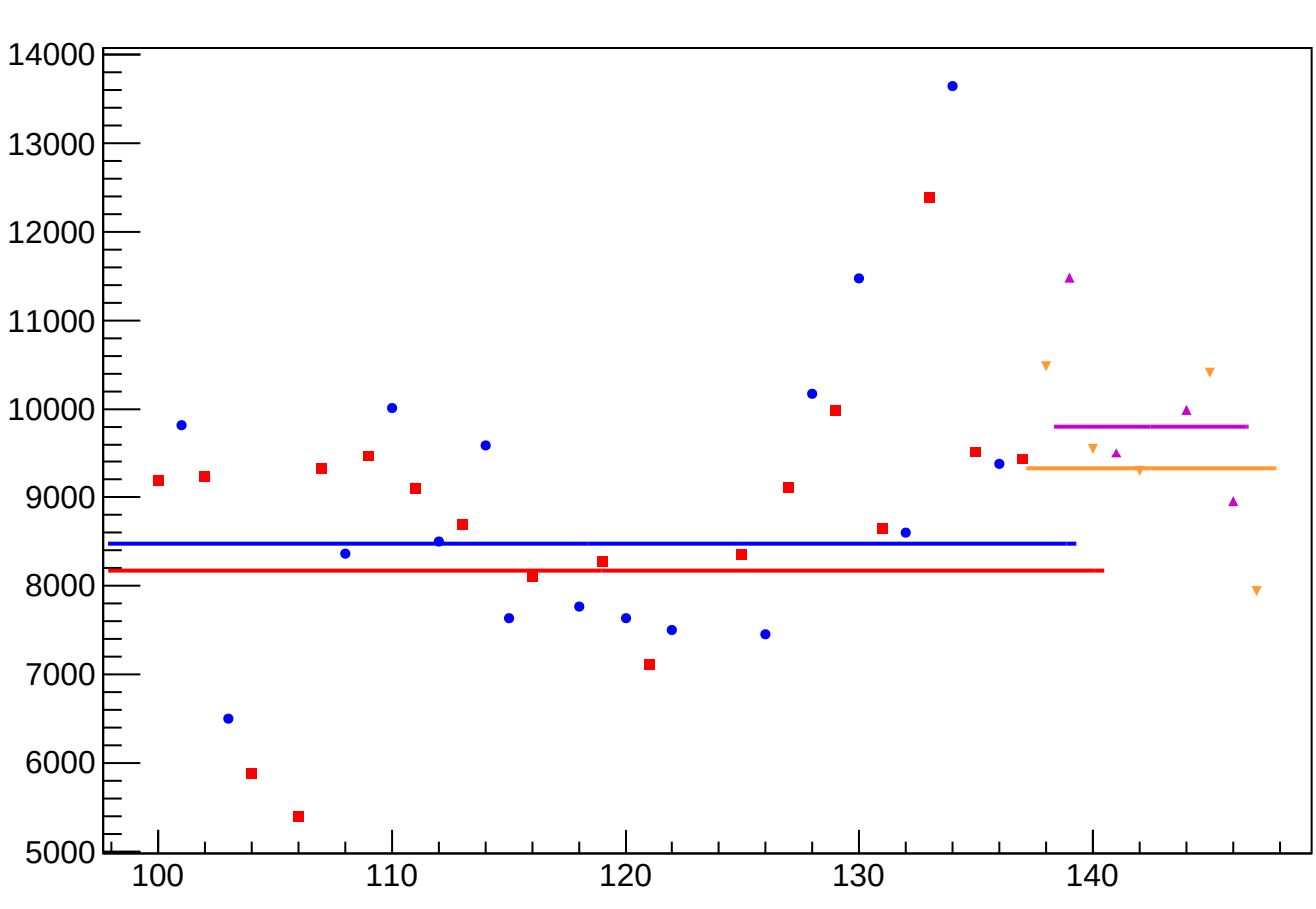
Left: 4868.888+/-3582.124 χ^2/NDF: 7.5/8

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -1359.969+/-2738.705 χ^2/NDF:15.5/19

Out: 2116.744+/-2618.845 χ^2/NDF:24.2/22

All: 456.131+/-1892.758 χ^2/NDF: 40.6/42



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9323.492+/-3.461 χ^2/NDF:87681.3/4

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9804.020+/-3.717 χ^2/NDF:54648.5/3

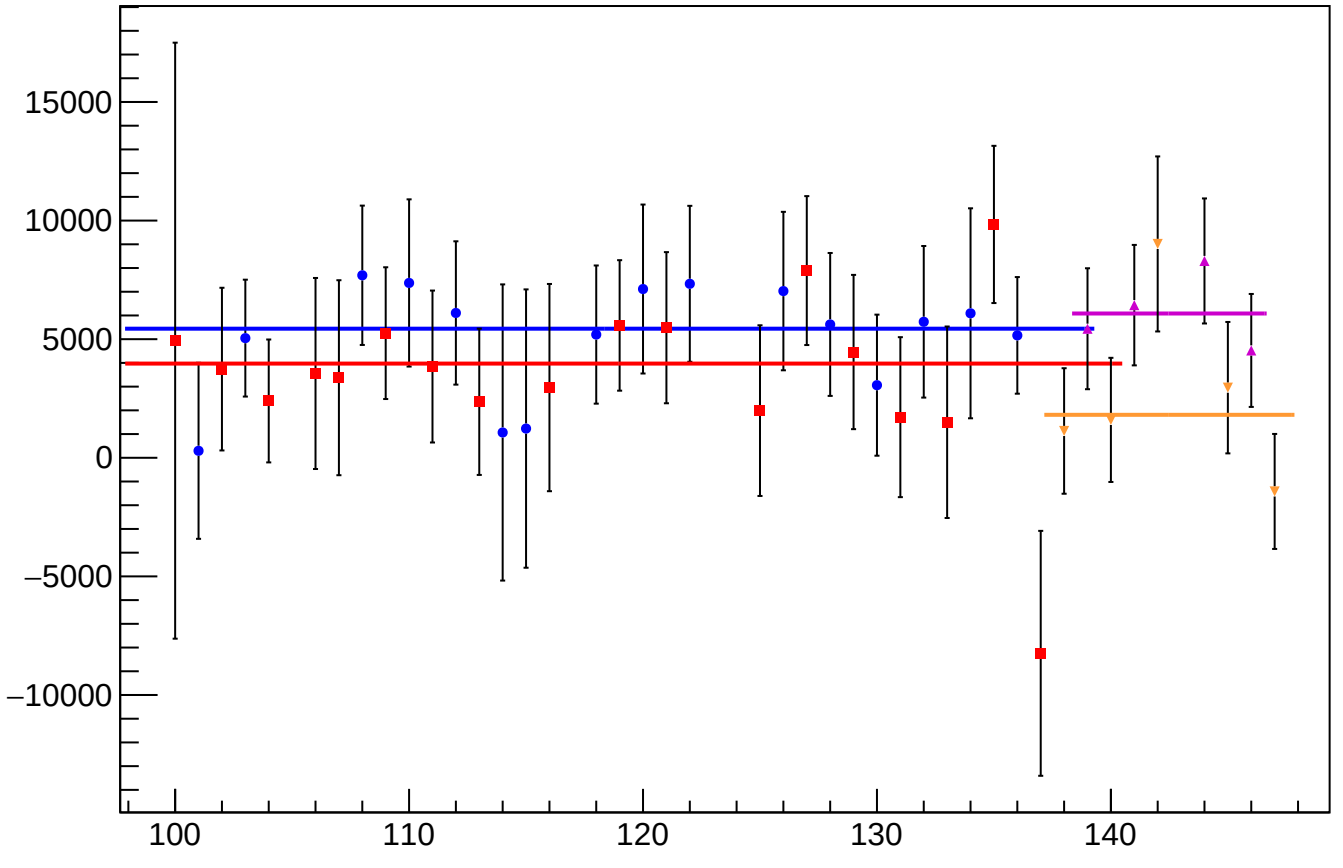
Left: 9546.615+/-2.533 χ^2/NDF: 151281.5/8

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8834.800+/-1.937 χ^2/NDF:577507.8/19

Out: 8500.276+/-1.852 χ^2/NDF:706887.5/22

All: 8660.058+/-1.338 χ^2/NDF: 1299982.3/42



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1811.475+/-1228.286 χ^2/NDF:5.8/4

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 6082.898+/-1260.601 χ^2/NDF:1.2/3

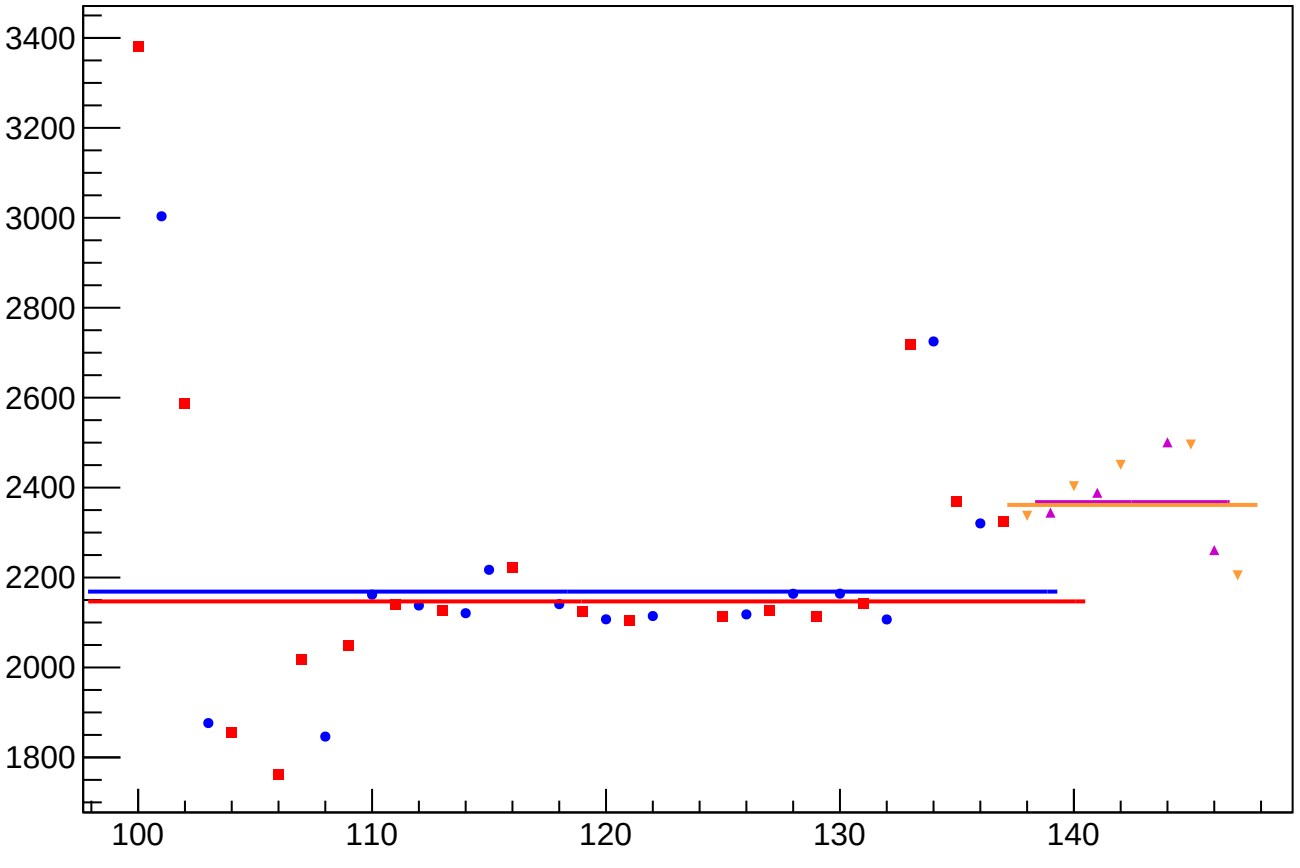
Left: 3891.736+/-879.732 χ^2/NDF: 12.9/8

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

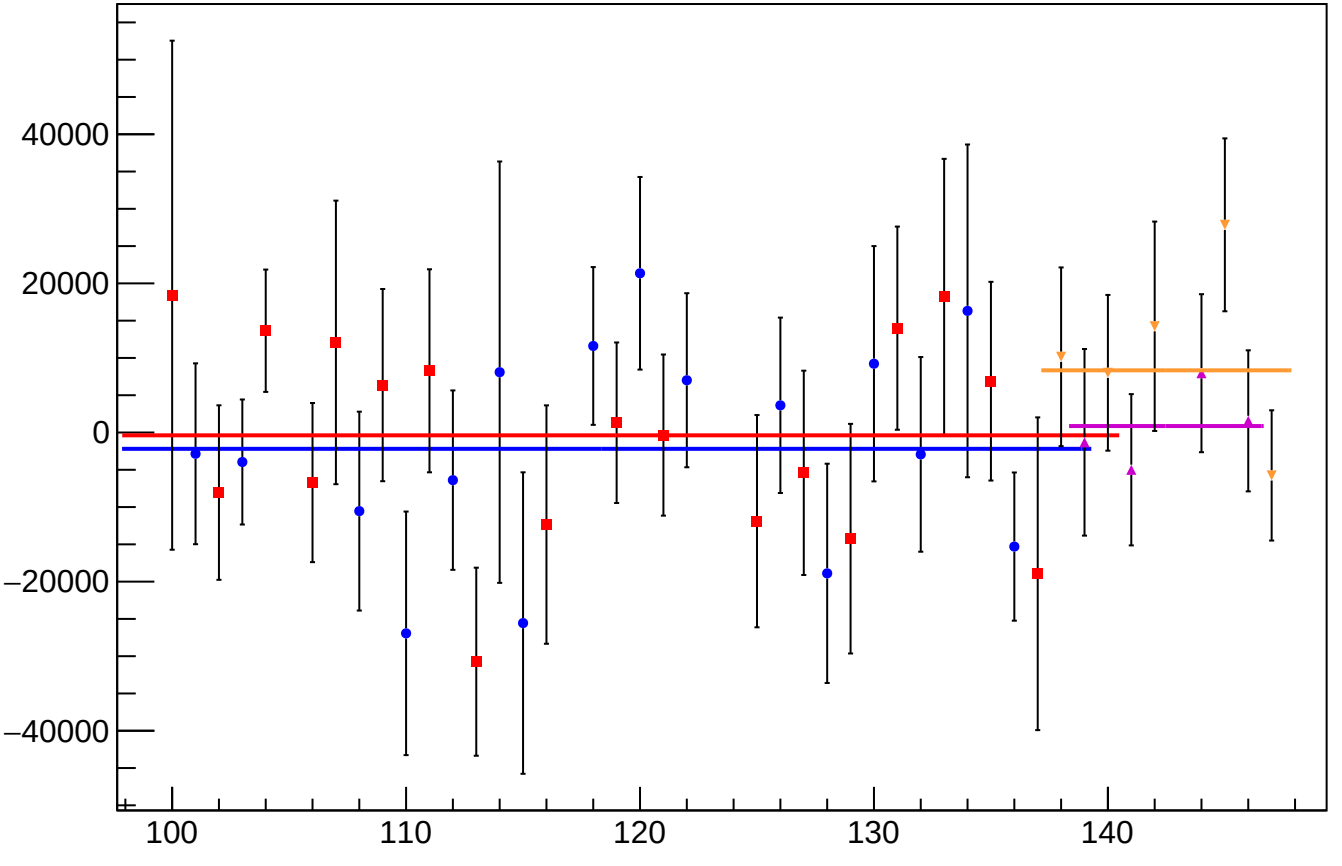
In: 5630.451+/-682.956 χ^2/NDF:6.8/19

Out: 3317.922+/-675.634 χ^2/NDF:21.0/22

All: 4461.724+/-480.313 χ^2/NDF: 33.5/42


eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
Right In: 2168.715+/-0.575 χ²/NDF: 195659.8/15
Left Out: 2361.472+/-0.869 χ²/NDF:14879.5/4
Right Out: 2146.888+/-0.569 χ²/NDF: 157750.7/17
Left In: 2367.704+/-0.891 χ²/NDF:9406.9/3
Left: 2364.507+/-0.622 χ²/NDF: 24311.5/8
Right: 2157.700+/-0.404 χ²/NDF: 354138.9/33
In: 2227.121+/-0.483 χ²/NDF:240274.1/19
Out: 2211.365+/-0.476 χ²/NDF:215330.5/22
All: 2219.131+/-0.339 χ²/NDF: 456144.5/42

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: 8338.504+/-4894.306 χ^2/NDF:5.6/4

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 866.165+/-5256.883 χ^2/NDF:0.8/3

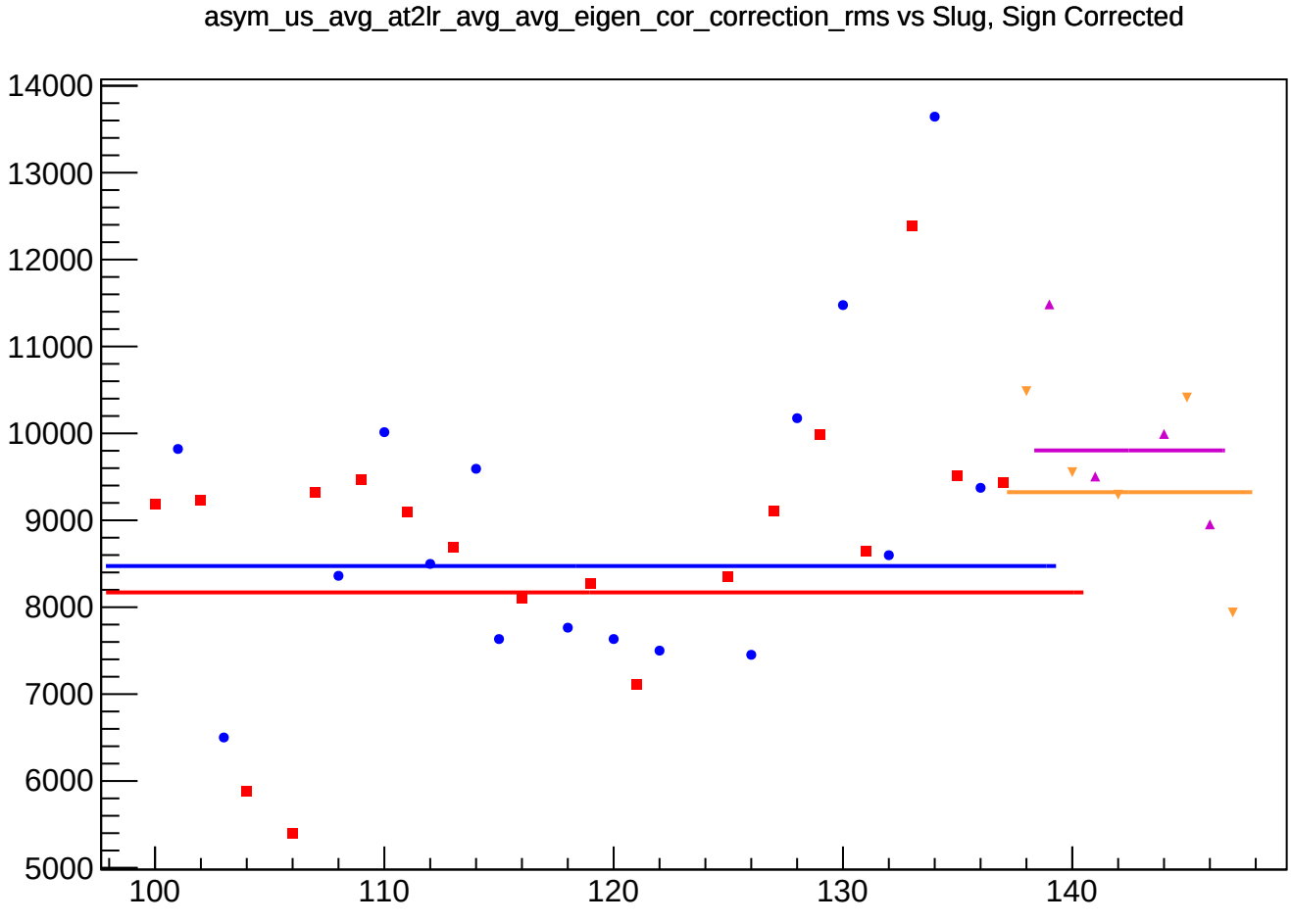
Left: 4868.888+/-3582.124 χ^2/NDF: 7.5/8

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -1359.969+/-2738.705 χ^2/NDF:15.5/19

Out: 2116.744+/-2618.845 χ^2/NDF:24.2/22

All: 456.131+/-1892.758 χ^2/NDF: 40.6/42



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9323.492+/-3.461 χ^2/NDF:87681.3/4

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9804.020+/-3.717 χ^2/NDF:54648.5/3

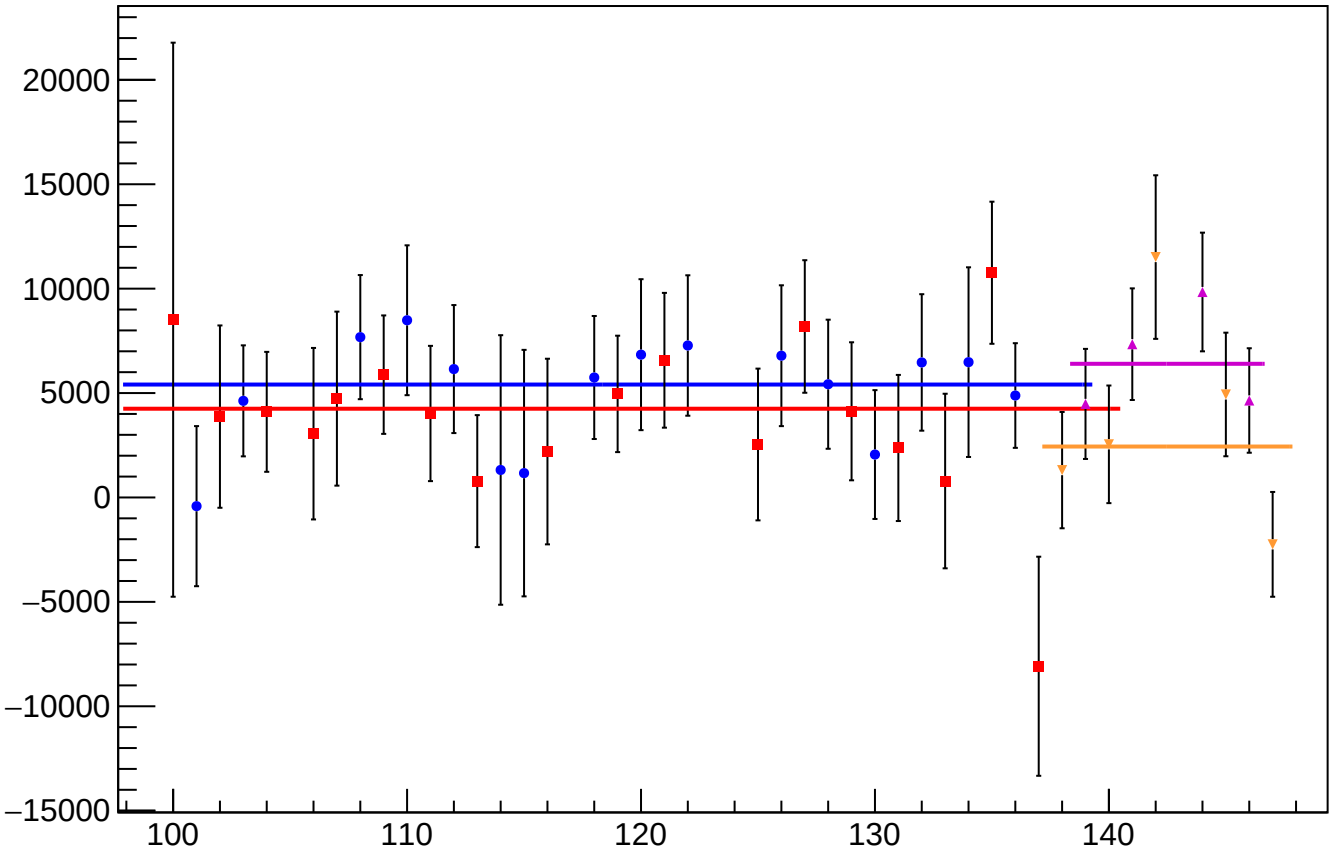
Left: 9546.615+/-2.533 χ^2/NDF: 151281.5/8

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8834.800+/-1.937 χ^2/NDF:577507.8/19

Out: 8500.276+/-1.852 χ^2/NDF:706887.5/22

All: 8660.058+/-1.338 χ^2/NDF: 1299982.3/42



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2438.992+/-1298.437 χ^2/NDF:9.7/4

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 6401.140+/-1327.533 χ^2/NDF:2.6/3

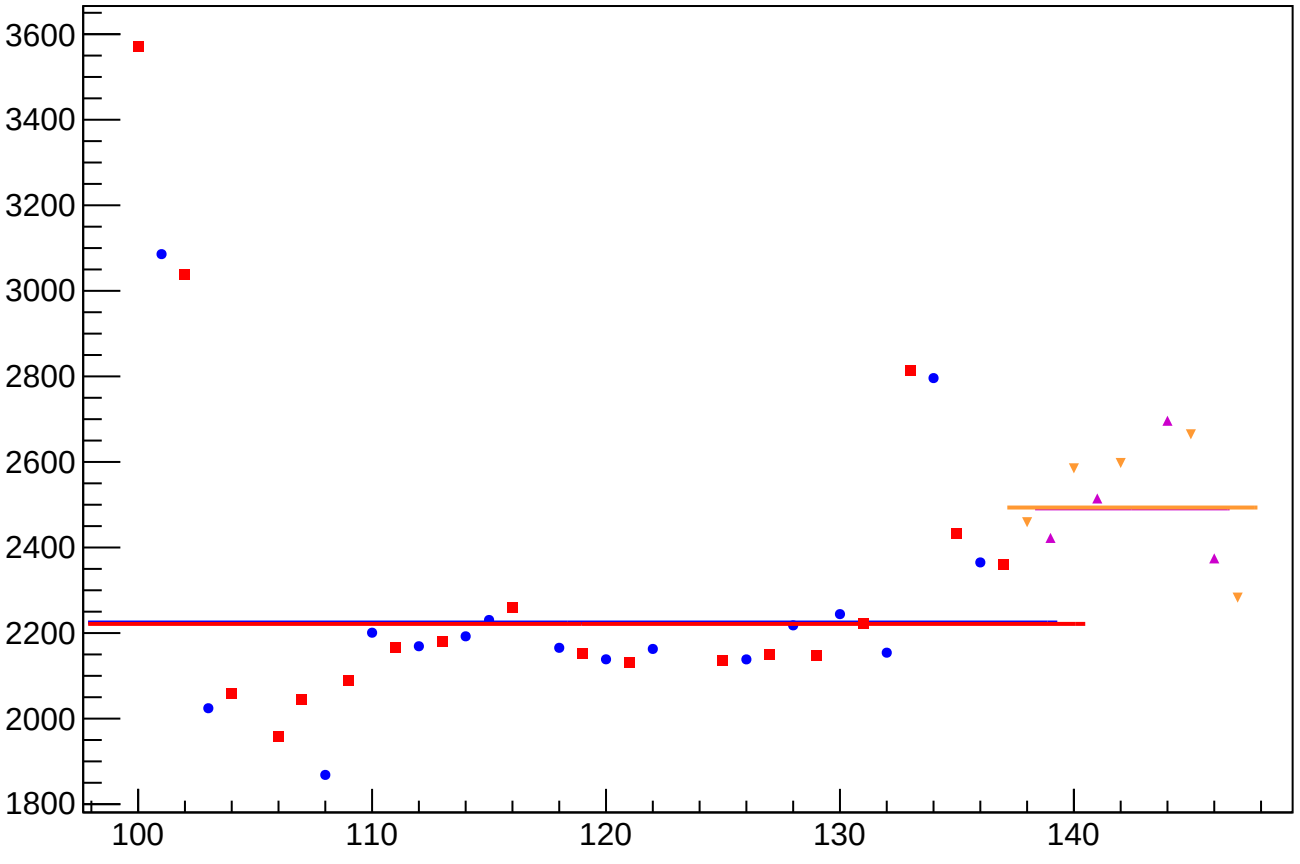
Left: 4376.170+/-928.250 χ^2/NDF: 16.9/8

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5688.801+/-706.014 χ^2/NDF:9.7/19

Out: 3716.204+/-704.886 χ^2/NDF:25.6/22

All: 4700.927+/-498.828 χ^2/NDF: 39.2/42



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2493.450+/-0.918 χ^2/NDF:24605.6/4

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2491.475+/-0.939 χ^2/NDF:16280.1/3

Left: 2492.484+/-0.656 χ^2/NDF: 40888.0/8

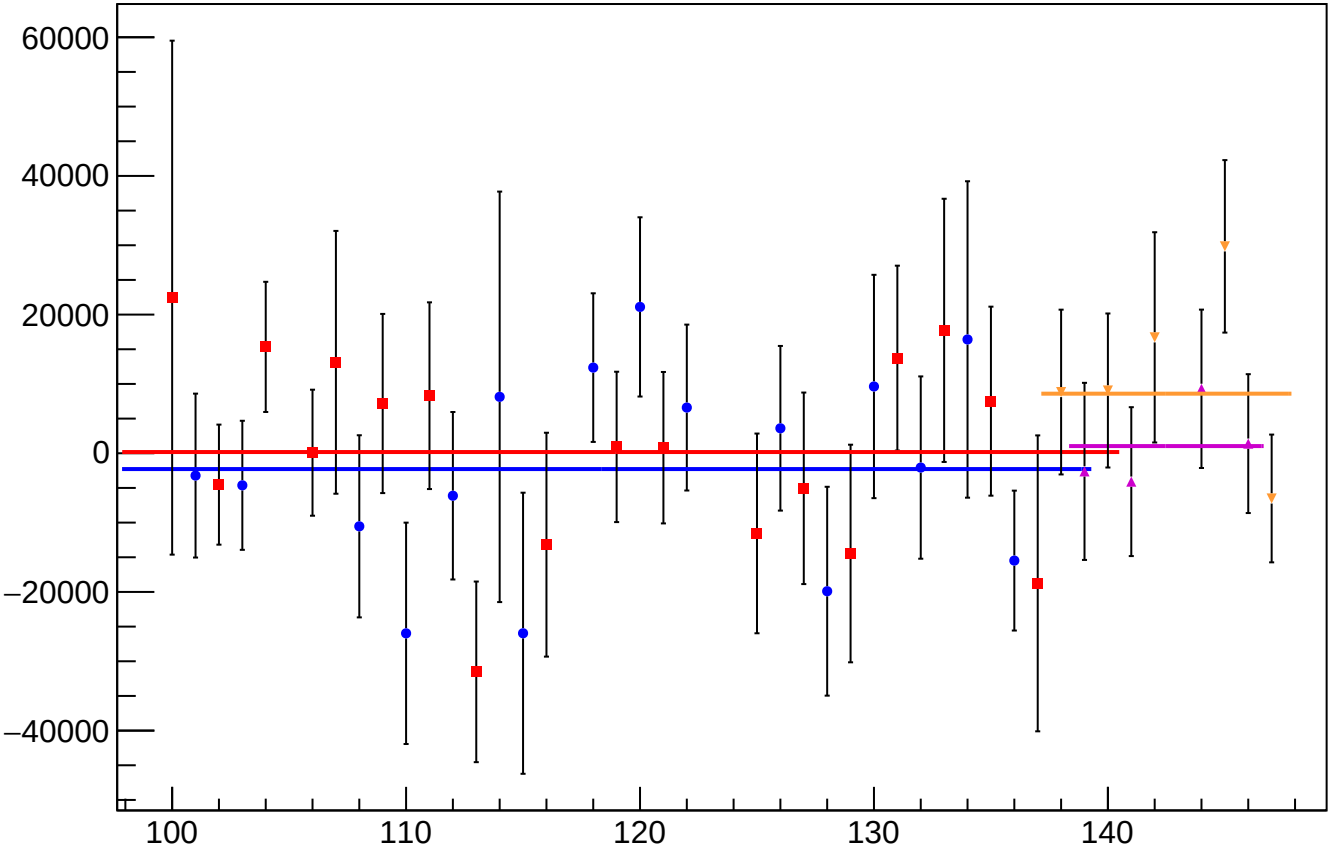
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2300.092+/-0.499 χ^2/NDF:258919.9/19

Out: 2301.524+/-0.498 χ^2/NDF:256483.9/22

All: 2300.809+/-0.353 χ^2/NDF: 515408.0/42

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 8594.801+/-5144.696 χ^2/NDF:5.9/4

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 1036.801+/-5551.770 χ^2/NDF:0.8/3

Left: 5103.019+/-3773.563 χ^2/NDF: 7.7/8

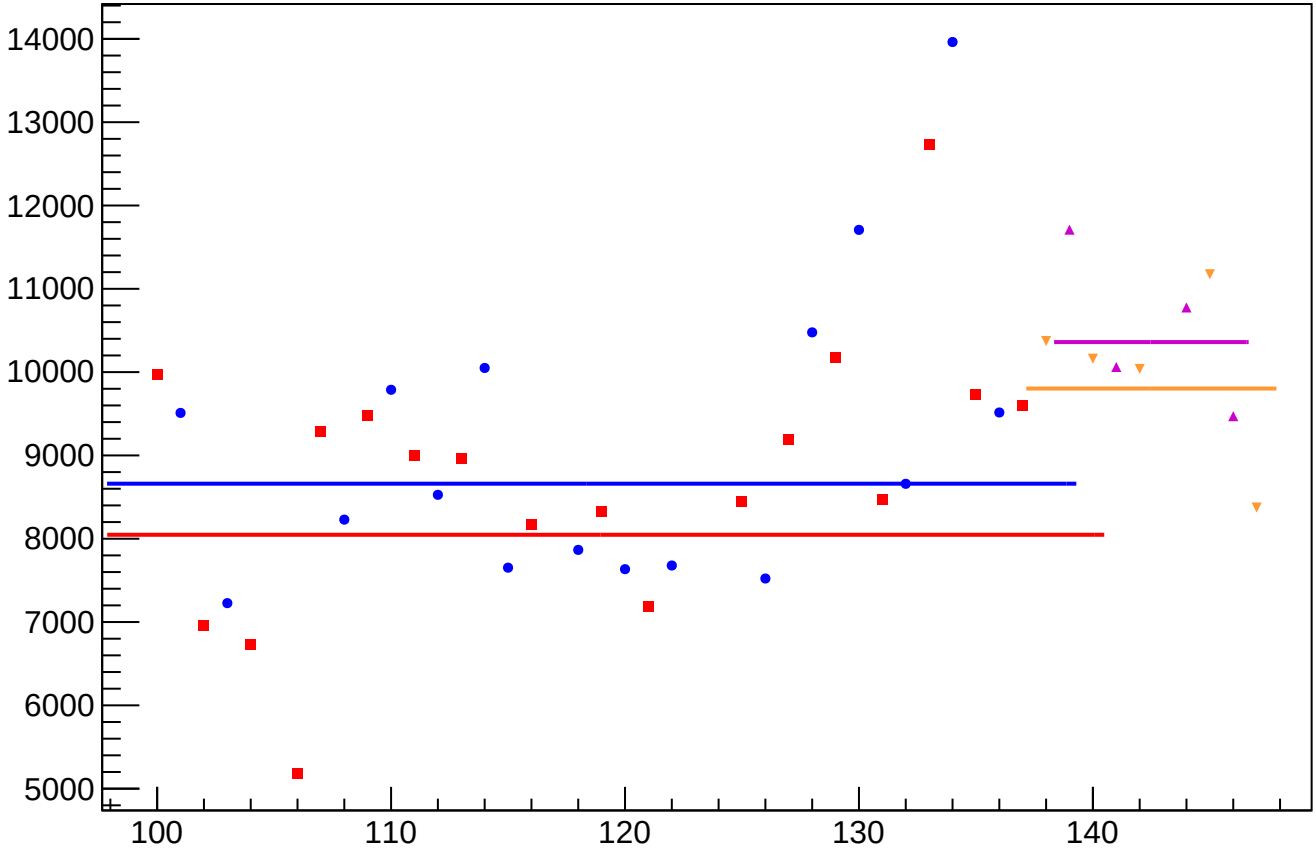
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -1423.865+/-2818.700 χ^2/NDF:15.6/19

Out: 2350.606+/-2614.262 χ^2/NDF:23.5/22

All: 605.200+/-1916.766 χ^2/NDF: 40.1/42

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: 9802.873+/-3.638 χ^2/NDF:79576.3/4

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10360.630+/-3.926 χ^2/NDF:42311.0/3

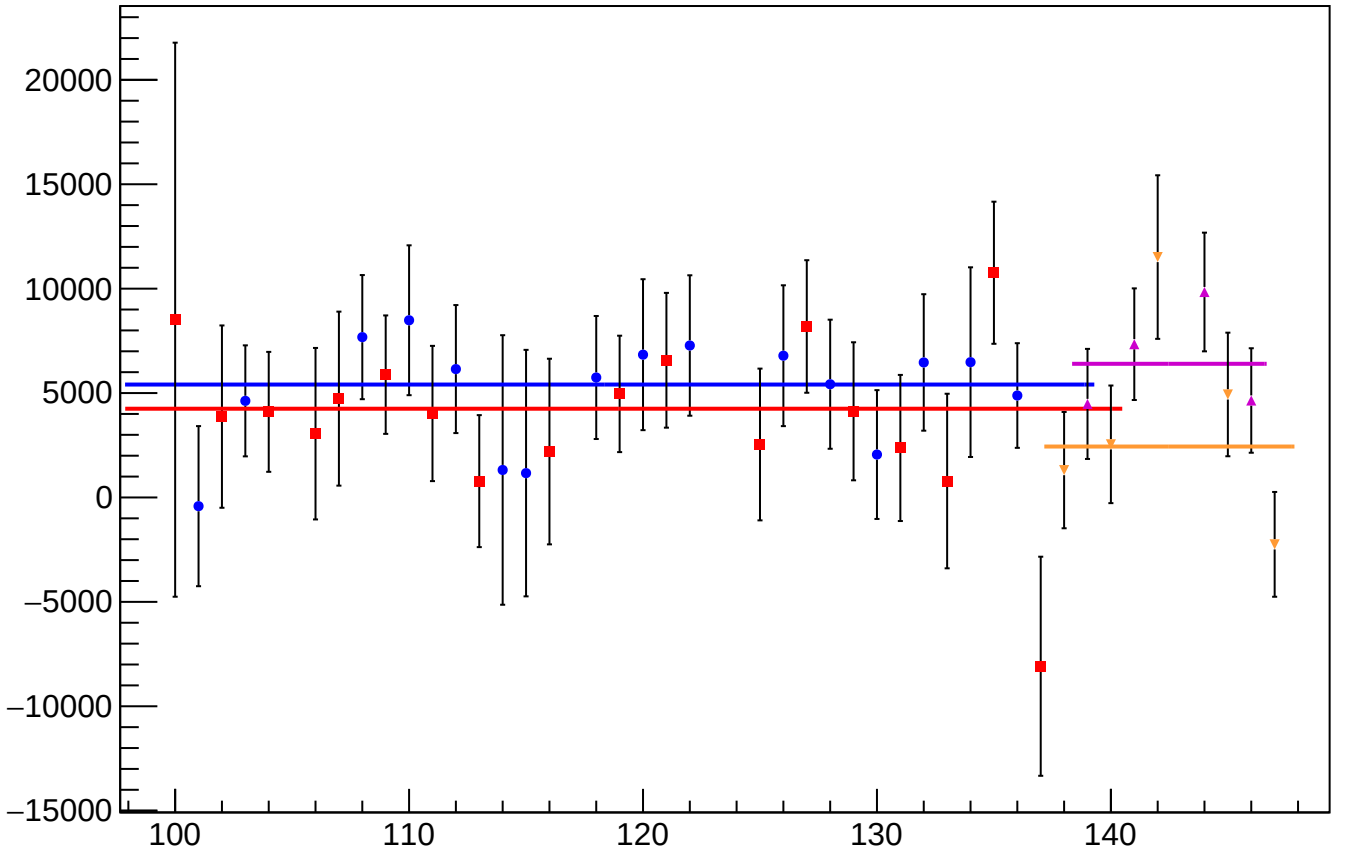
Left: 10060.556+/-2.668 χ^2/NDF: 132747.5/8

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9098.918+/-1.993 χ^2/NDF:539444.4/19

Out: 8500.731+/-1.849 χ^2/NDF:810858.1/22

All: 8777.347+/-1.355 χ^2/NDF: 1398724.8/42



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2439.006+/-1298.439 χ^2/NDF:9.7/4

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 6401.129+/-1327.535 χ^2/NDF:2.6/3

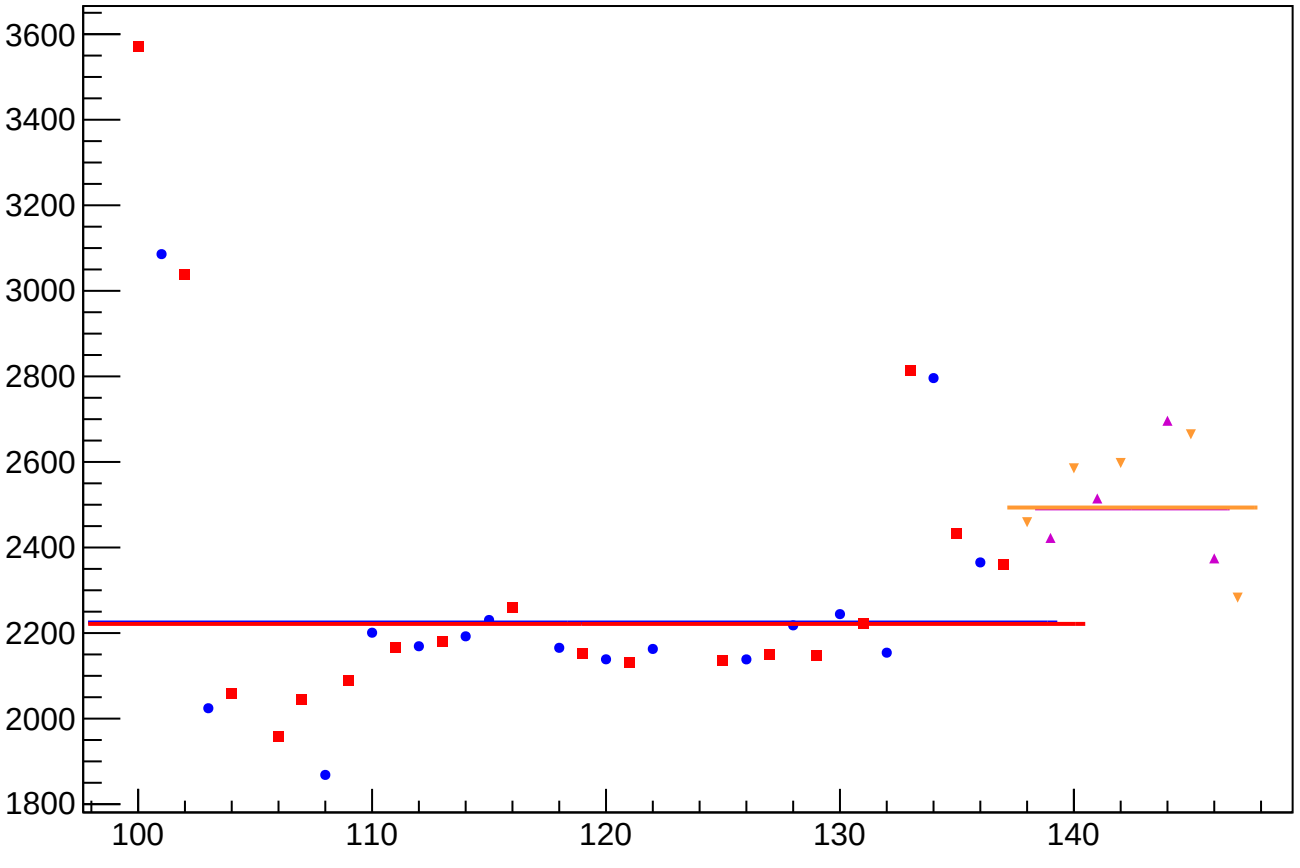
Left: 4376.171+/-928.251 χ^2/NDF: 16.9/8

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5688.798+/-706.014 χ^2/NDF:9.7/19

Out: 3716.213+/-704.887 χ^2/NDF:25.6/22

All: 4700.930+/-498.828 χ^2/NDF: 39.2/42



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2493.452+/-0.918 χ^2/NDF:24606.1/4

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2491.479+/-0.939 χ^2/NDF:16280.2/3

Left: 2492.487+/-0.656 χ^2/NDF: 40888.6/8

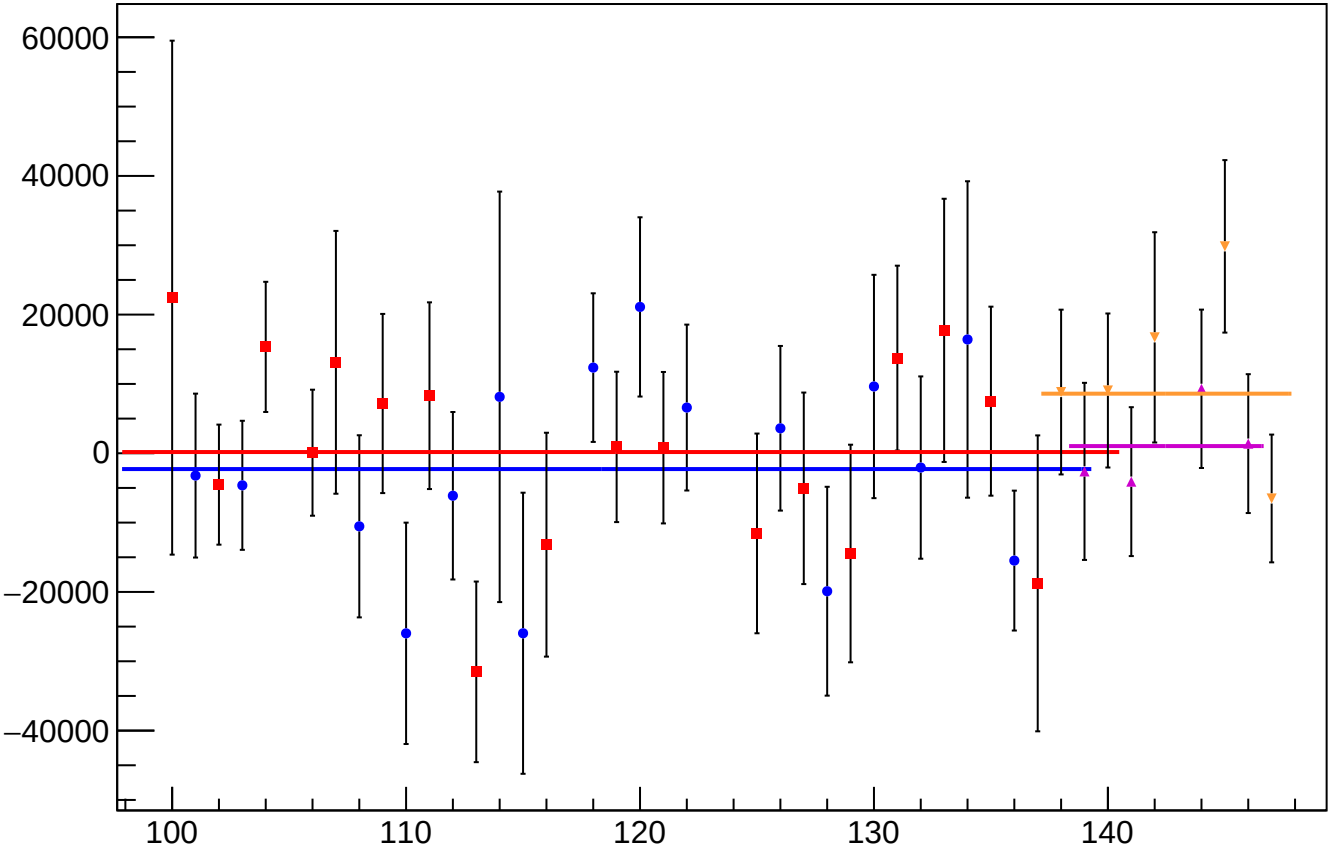
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2300.092+/-0.499 χ^2/NDF:258921.9/19

Out: 2301.524+/-0.498 χ^2/NDF:256485.9/22

All: 2300.810+/-0.353 χ^2/NDF: 515412.0/42

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: 8594.808+/-5144.704 χ^2/NDF:5.9/4

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 1036.789+/-5551.779 χ^2/NDF:0.8/3

Left: 5103.017+/-3773.569 χ^2/NDF: 7.7/8

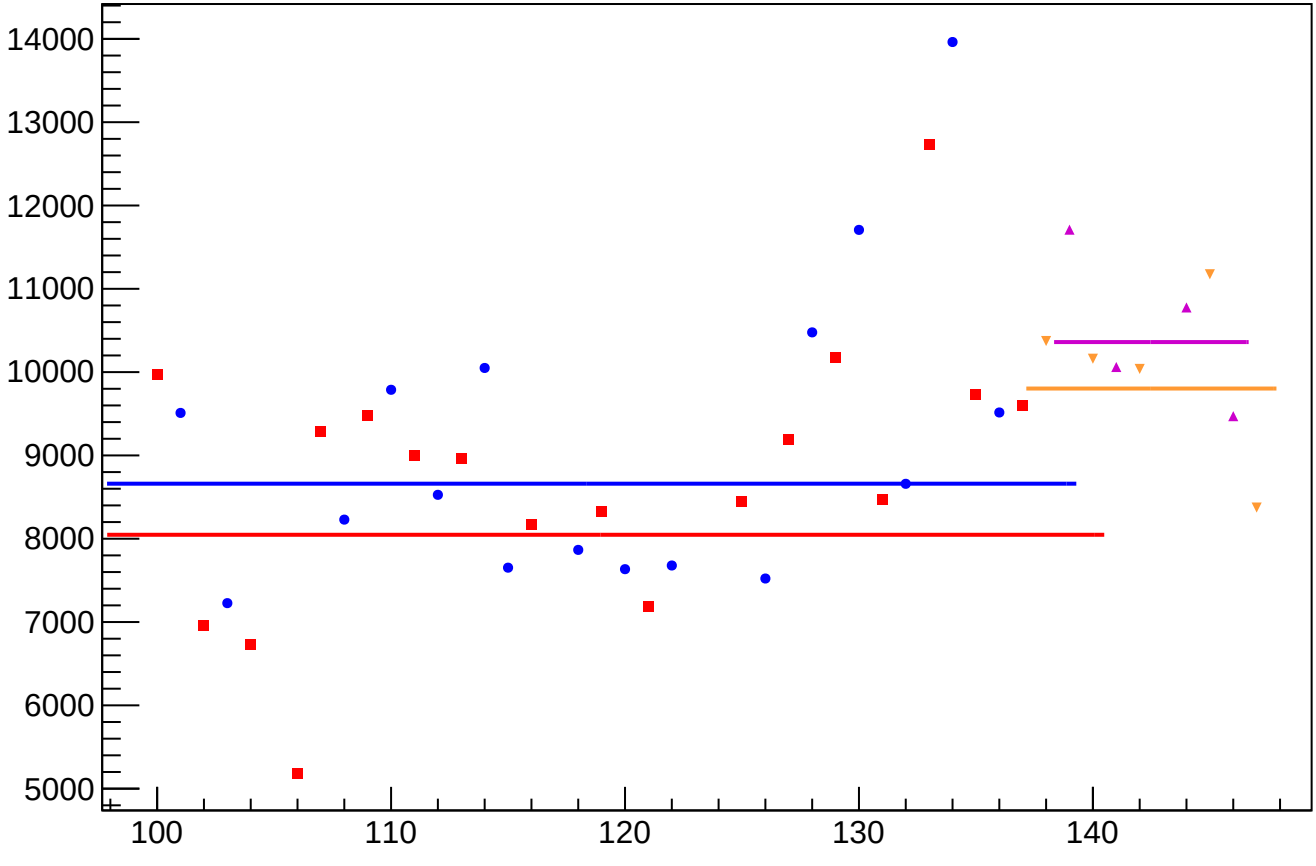
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -1423.857+/-2818.696 χ^2/NDF:15.6/19

Out: 2350.599+/-2614.258 χ^2/NDF:23.5/22

All: 605.200+/-1916.763 χ^2/NDF: 40.1/42

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 9802.888+/-3.638 χ^2/NDF:79577.2/4

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10360.647+/-3.926 χ^2/NDF:42311.5/3

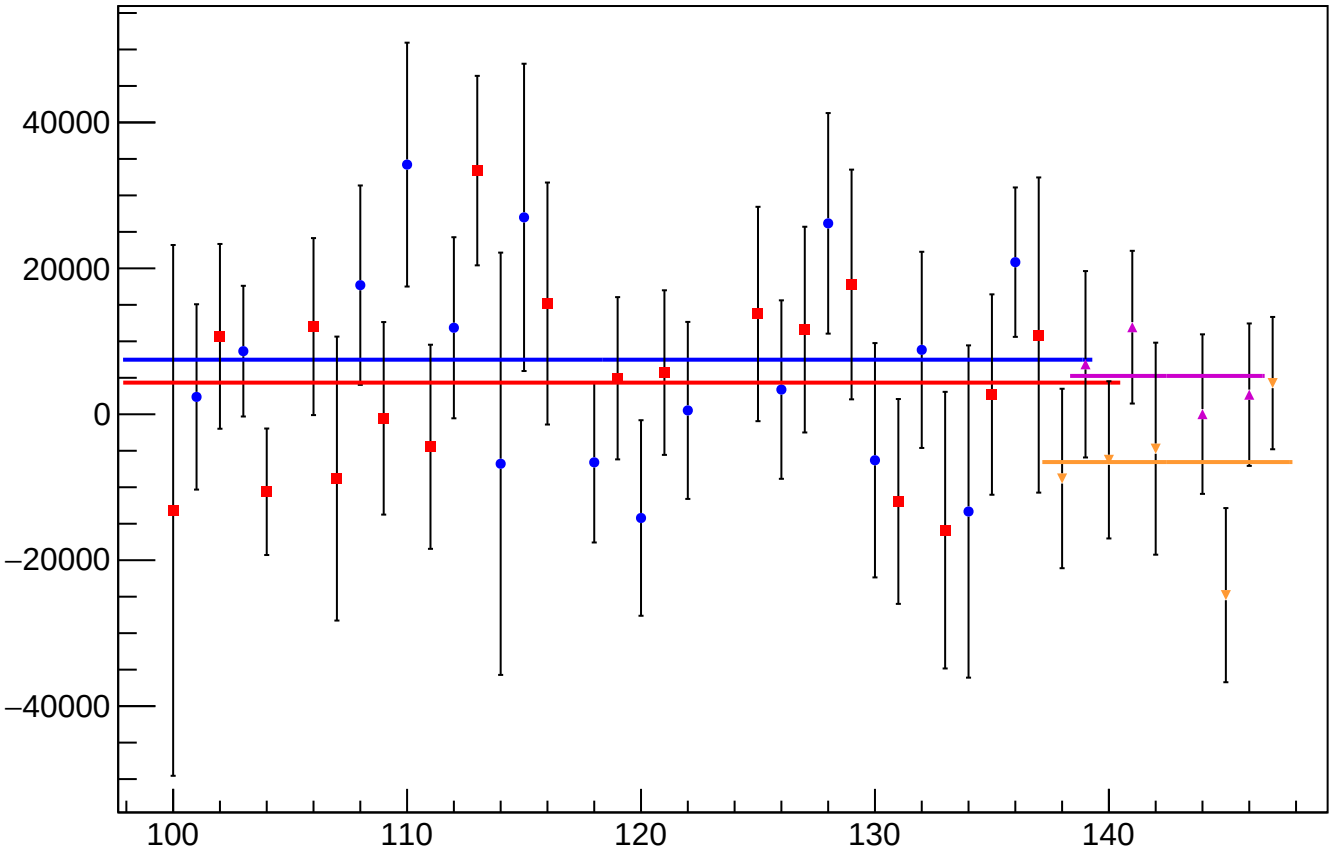
Left: 10060.572+/-2.668 χ^2/NDF: 132749.0/8

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9098.904+/-1.993 χ^2/NDF:539453.2/19

Out: 8500.719+/-1.849 χ^2/NDF:810863.6/22

All: 8777.334+/-1.355 χ^2/NDF: 1398738.9/42



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -6548.453+/-5054.087 χ^2/NDF:3.8/4

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 5258.265+/-5413.834 χ^2/NDF:0.7/3

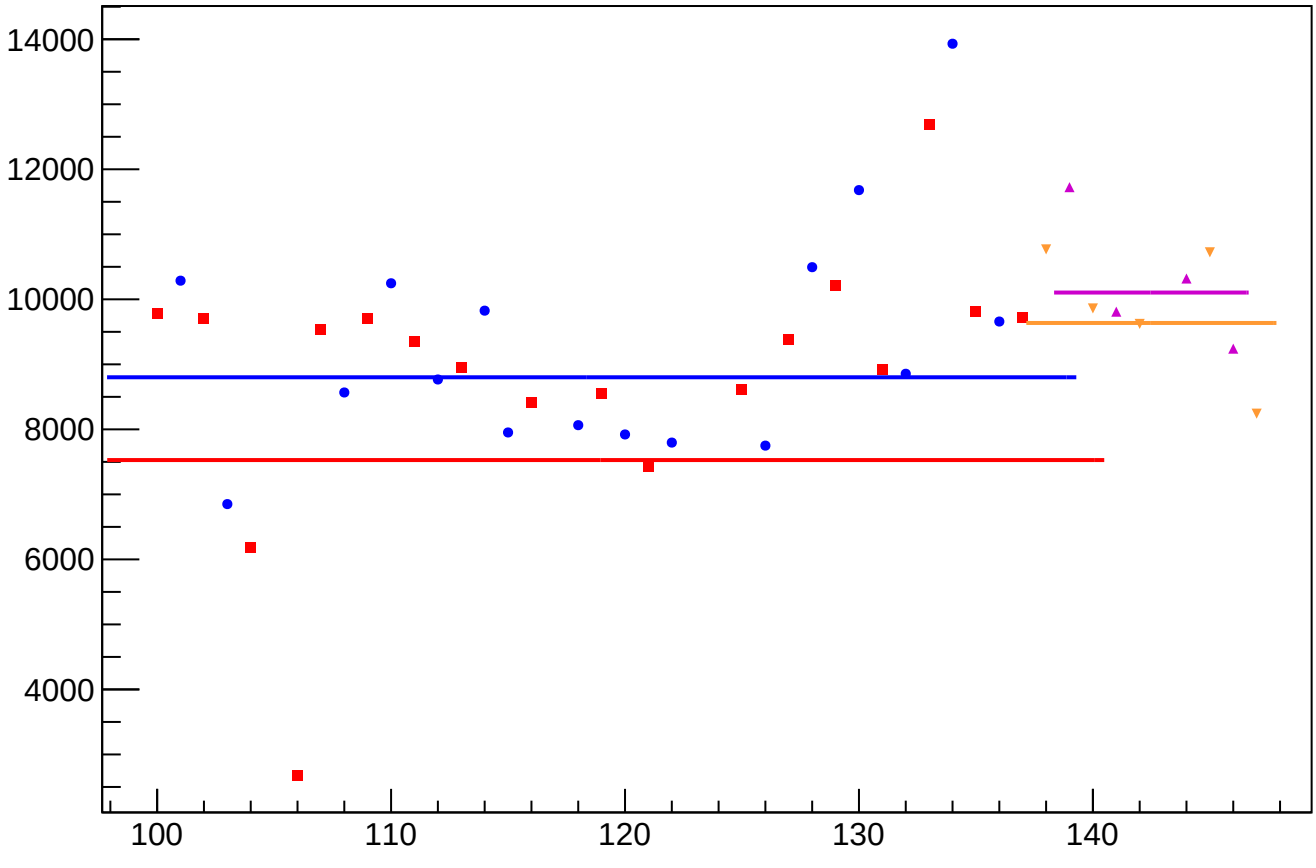
Left: -1050.372+/-3694.417 χ^2/NDF: 7.1/8

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 6871.201+/-2836.959 χ^2/NDF:14.9/19

Out: 1163.639+/-2729.202 χ^2/NDF:21.4/22

All: 3906.967+/-1966.829 χ^2/NDF: 38.4/42



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9636.423+/-3.574 χ^2/NDF:81720.6/4

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10104.257+/-3.828 χ^2/NDF:50189.7/3

Left: 9854.281+/-2.612 χ^2/NDF: 139890.5/8

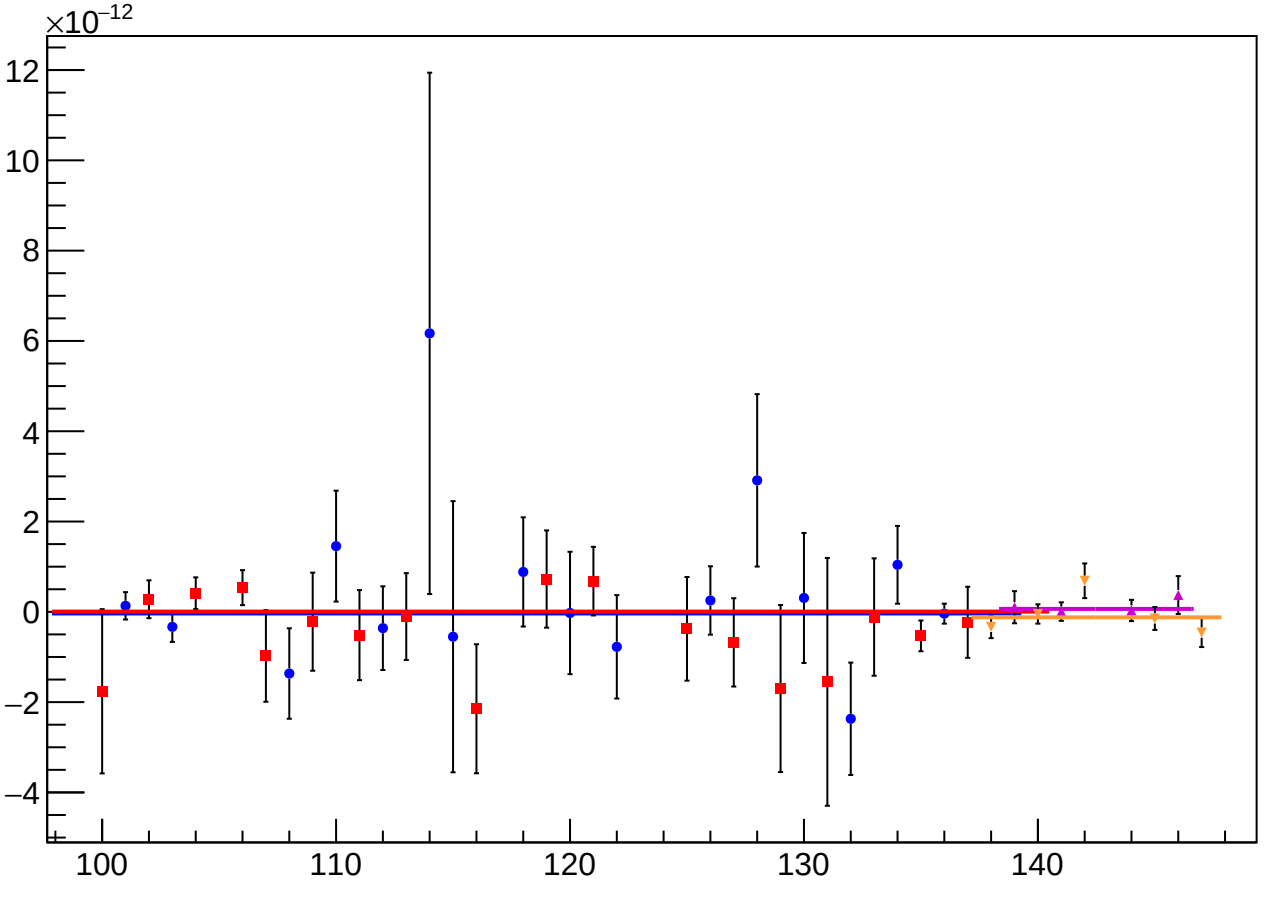
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9158.919+/-2.006 χ^2/NDF:528829.3/19

Out: 8079.862+/-1.829 χ^2/NDF:1996005.9/22

All: 8569.576+/-1.351 χ^2/NDF: 2682866.7/42

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

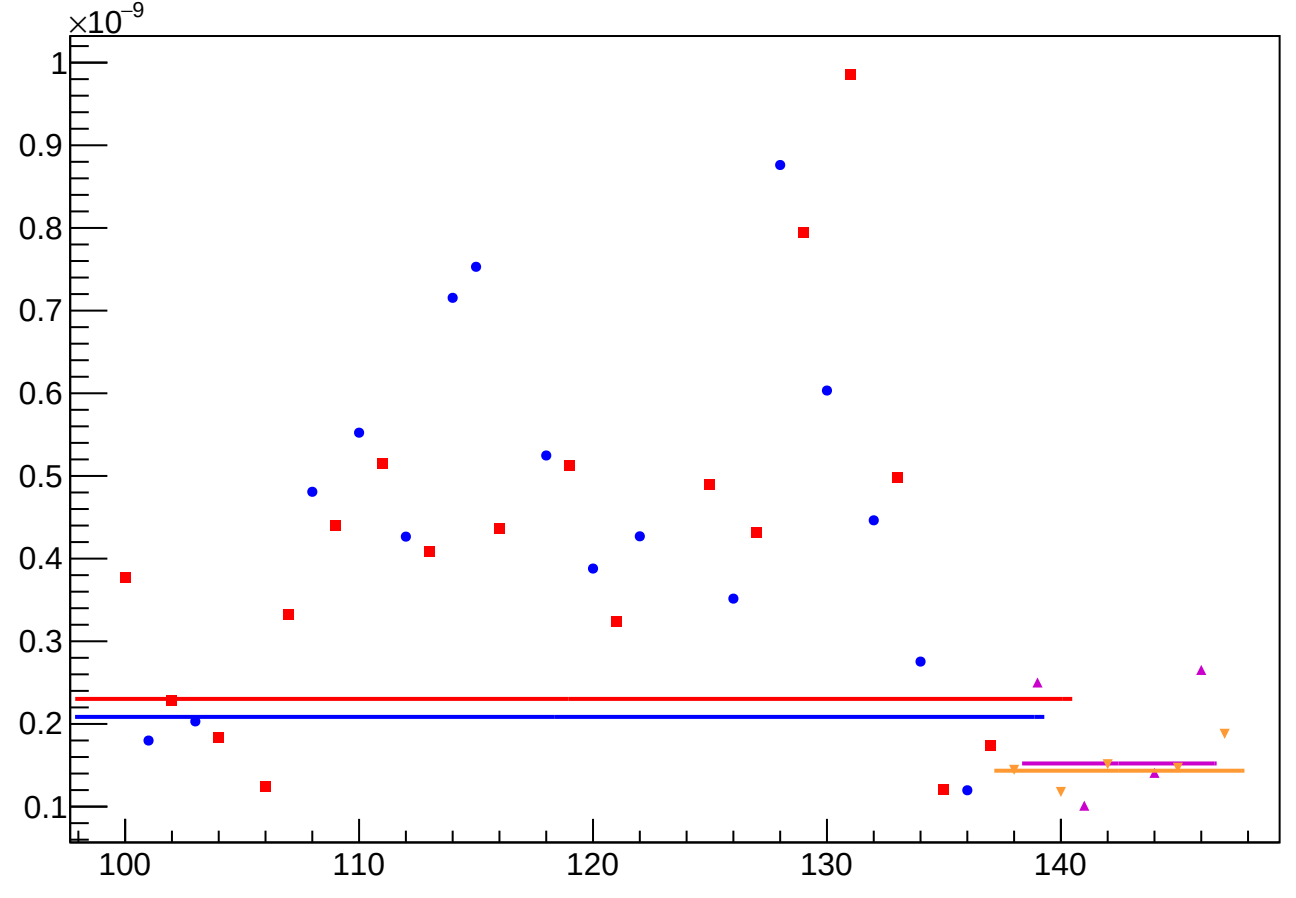
Left: -0.000+/-0.000 χ^2/NDF: 8.2/8

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:15.2/19

Out: -0.000+/-0.000 χ^2/NDF:20.5/22

All: -0.000+/-0.000 χ^2/NDF: 36.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:69024.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:426267.9/3

Left: 0.000+/-0.000 χ^2/NDF: 500043.8/8

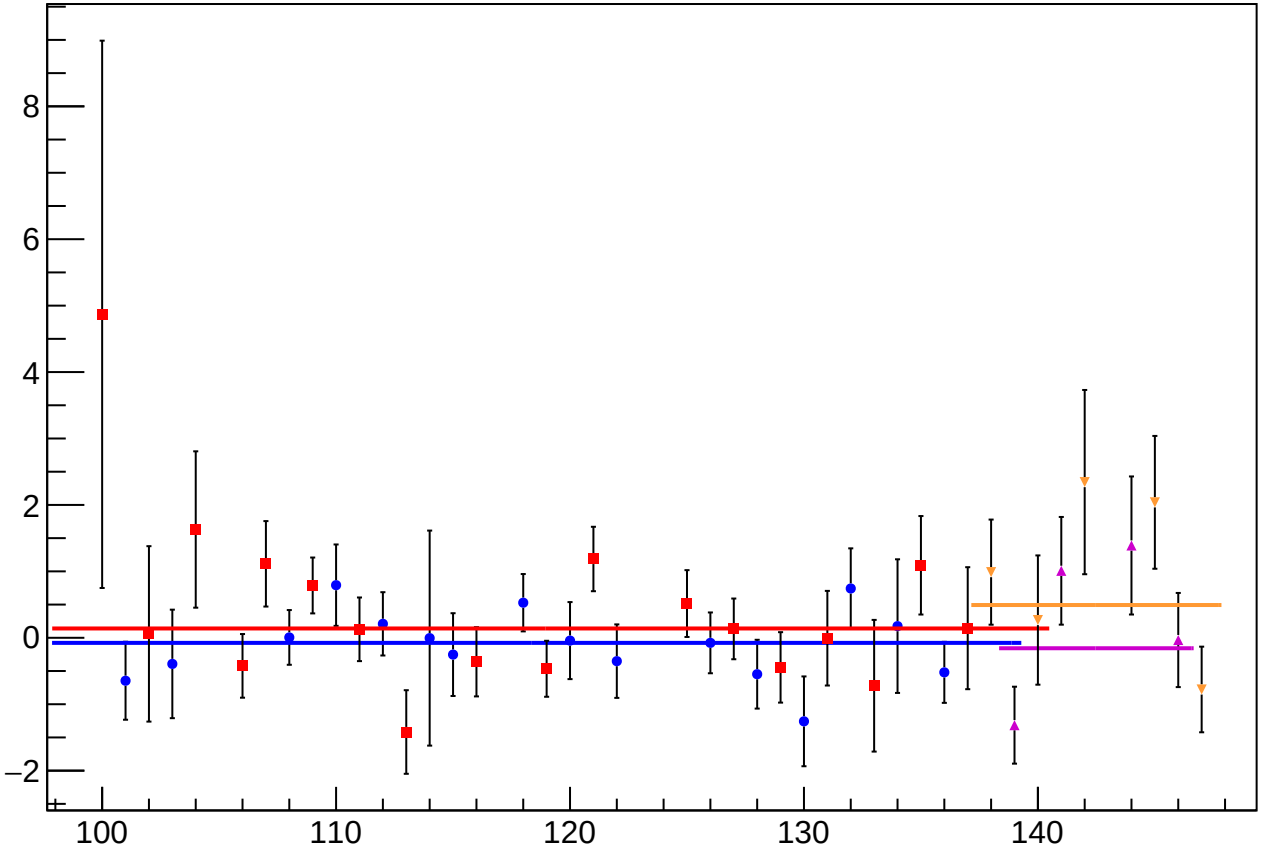
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2224949.1/19

Out: 0.000+/-0.000 χ^2/NDF:2019948.3/22

All: 0.000+/-0.000 χ^2/NDF: 4246209.1/42

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: 0.493+/-0.390 χ^2/NDF:8.5/4

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.157+/-0.367 χ^2/NDF:8.3/3

Left: 0.148+/-0.267 χ^2/NDF: 18.3/8

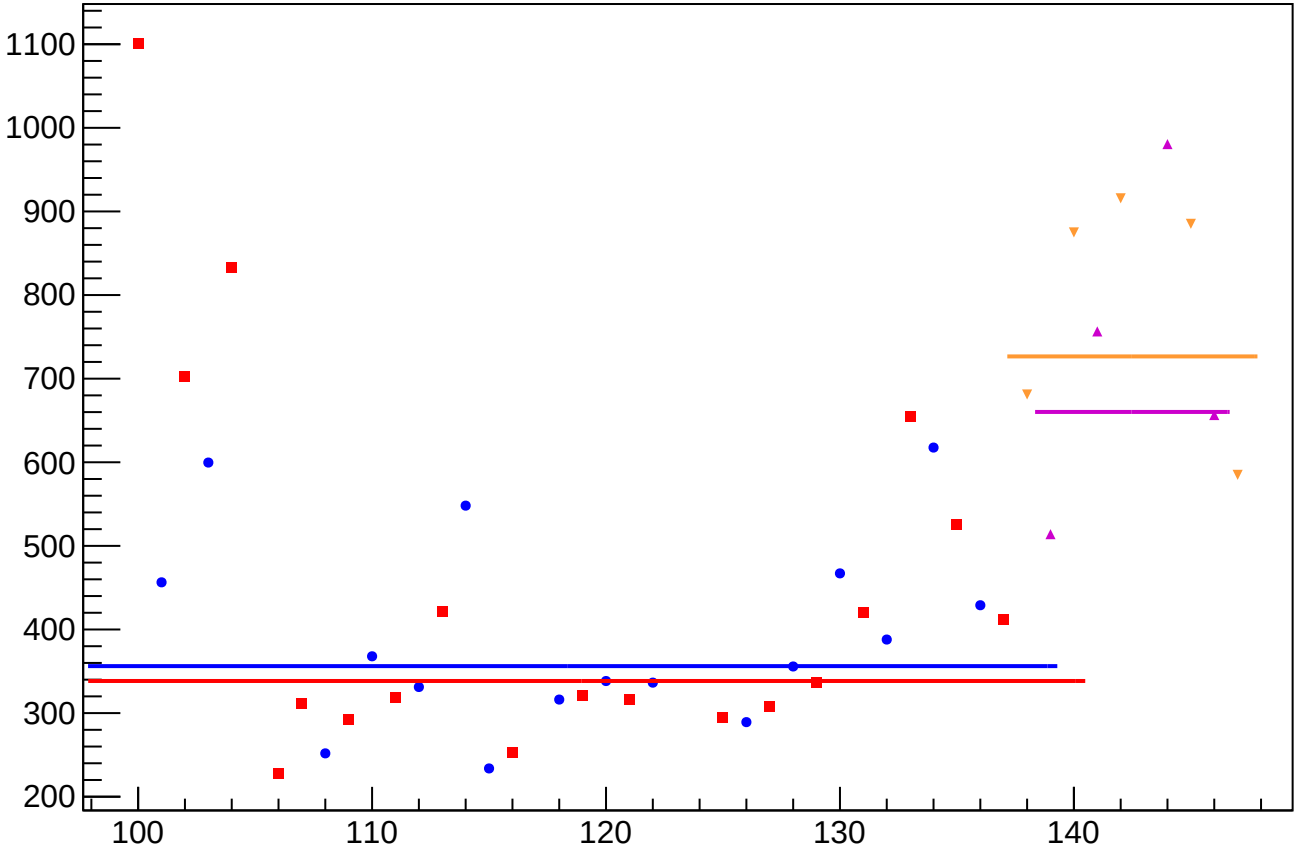
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.131 χ^2/NDF:20.9/19

Out: 0.180+/-0.130 χ^2/NDF:36.2/22

All: 0.047+/-0.092 χ^2/NDF: 59.2/42

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: 726.595+/-0.276 χ^2/NDF:237234.1/4

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 660.193+/-0.260 χ^2/NDF:345825.7/3

Left: 691.404+/-0.189 χ^2/NDF: 613820.7/8

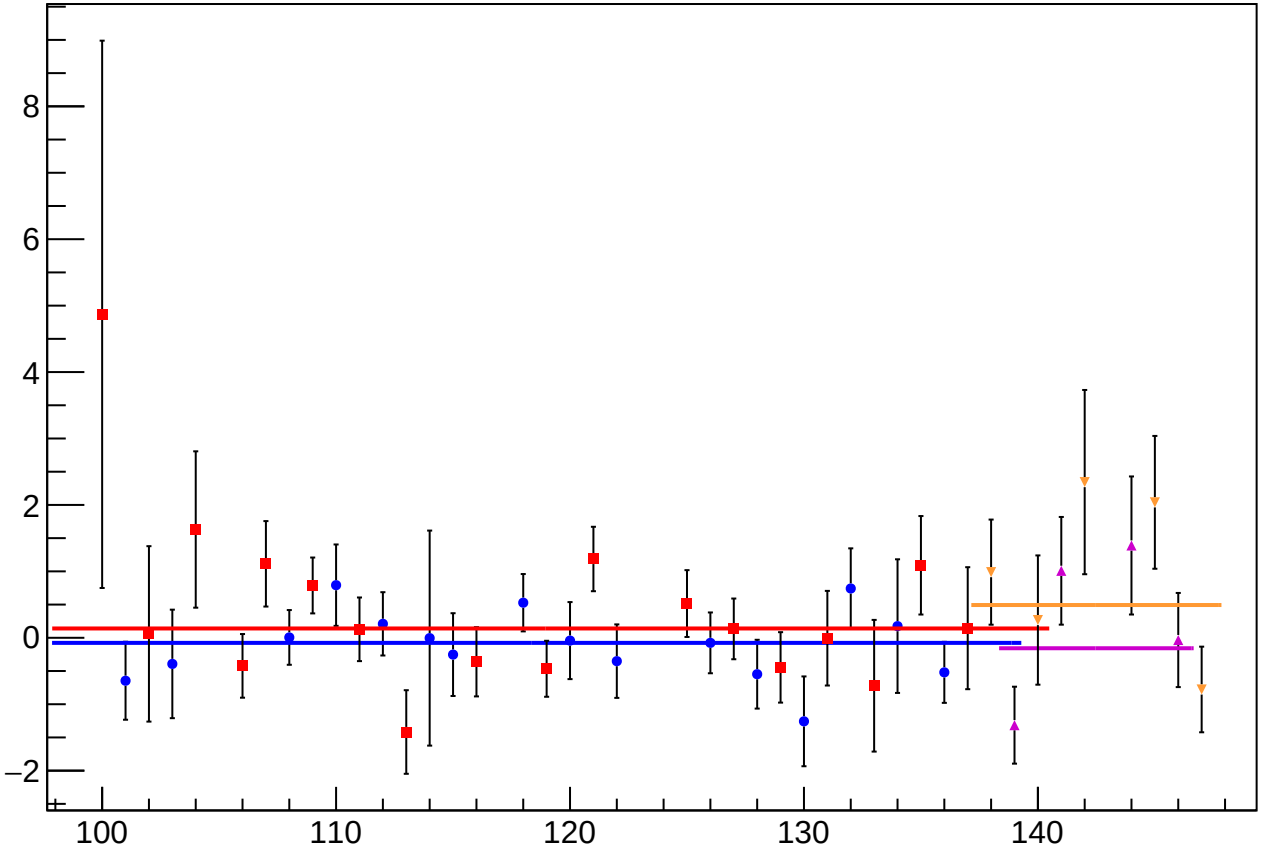
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 394.745+/-0.092 χ^2/NDF:2328638.8/19

Out: 381.632+/-0.092 χ^2/NDF:3203288.4/22

All: 388.155+/-0.065 χ^2/NDF: 5542039.2/42

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: 0.493+/-0.390 χ^2/NDF:8.5/4

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.157+/-0.367 χ^2/NDF:8.3/3

Left: 0.148+/-0.267 χ^2/NDF: 18.3/8

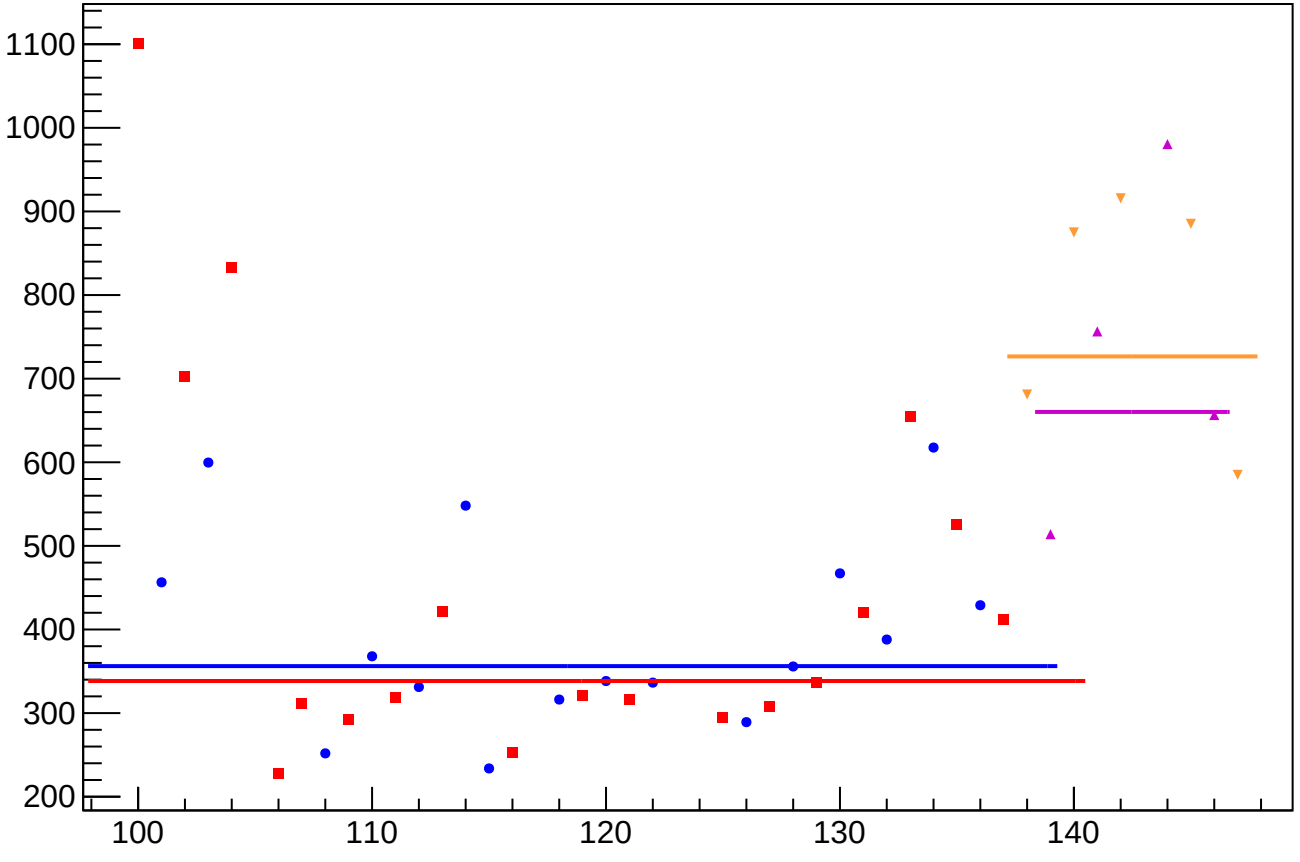
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.131 χ^2/NDF:20.9/19

Out: 0.180+/-0.130 χ^2/NDF:36.2/22

All: 0.047+/-0.092 χ^2/NDF: 59.2/42

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: 726.595+/-0.276 χ^2/NDF:237234.1/4

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 660.193+/-0.260 χ^2/NDF:345825.7/3

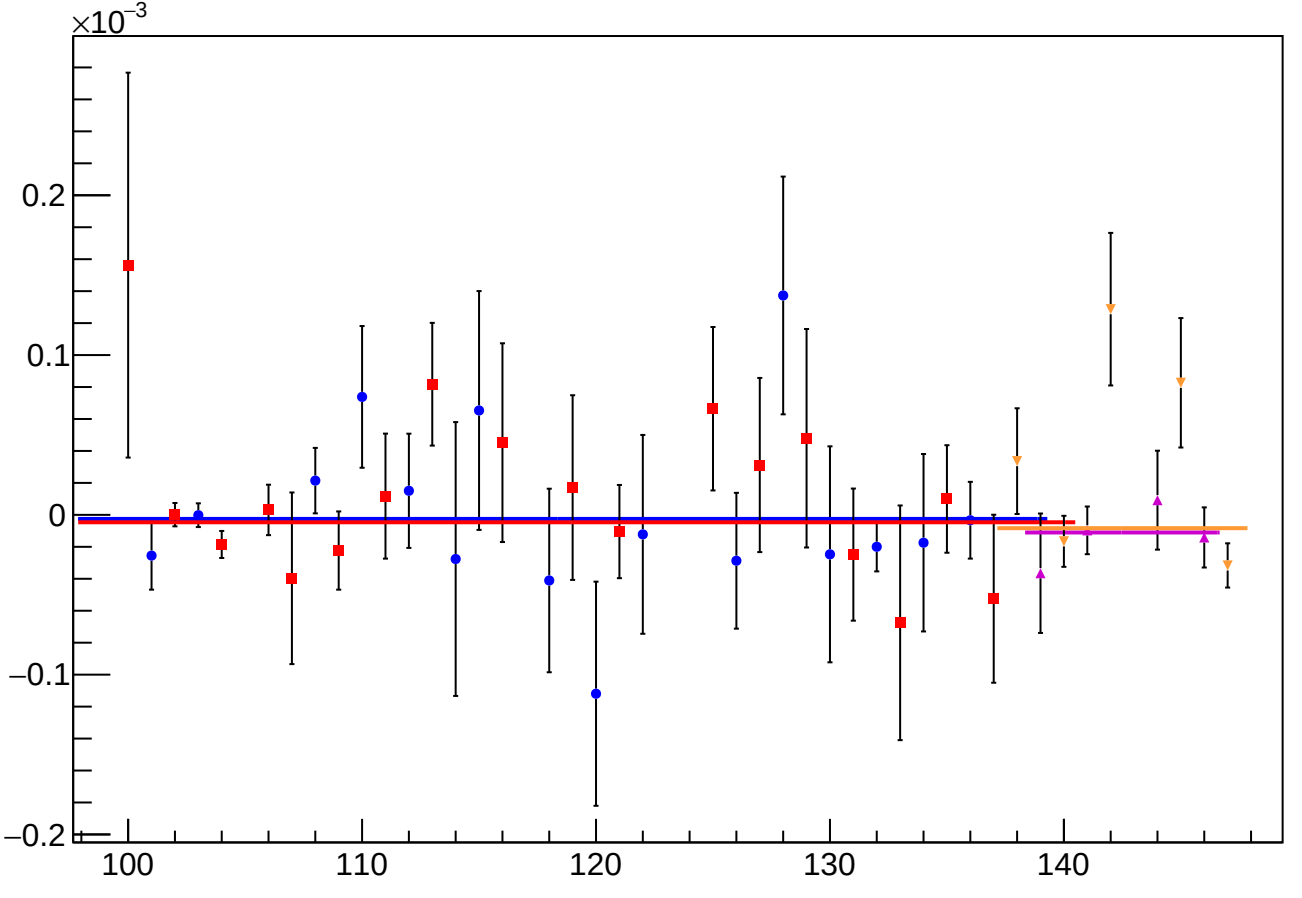
Left: 691.404+/-0.189 χ^2/NDF: 613820.7/8

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 394.745+/-0.092 χ^2/NDF:2328638.8/19

Out: 381.632+/-0.092 χ^2/NDF:3203288.4/22

All: 388.155+/-0.065 χ^2/NDF: 5542039.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

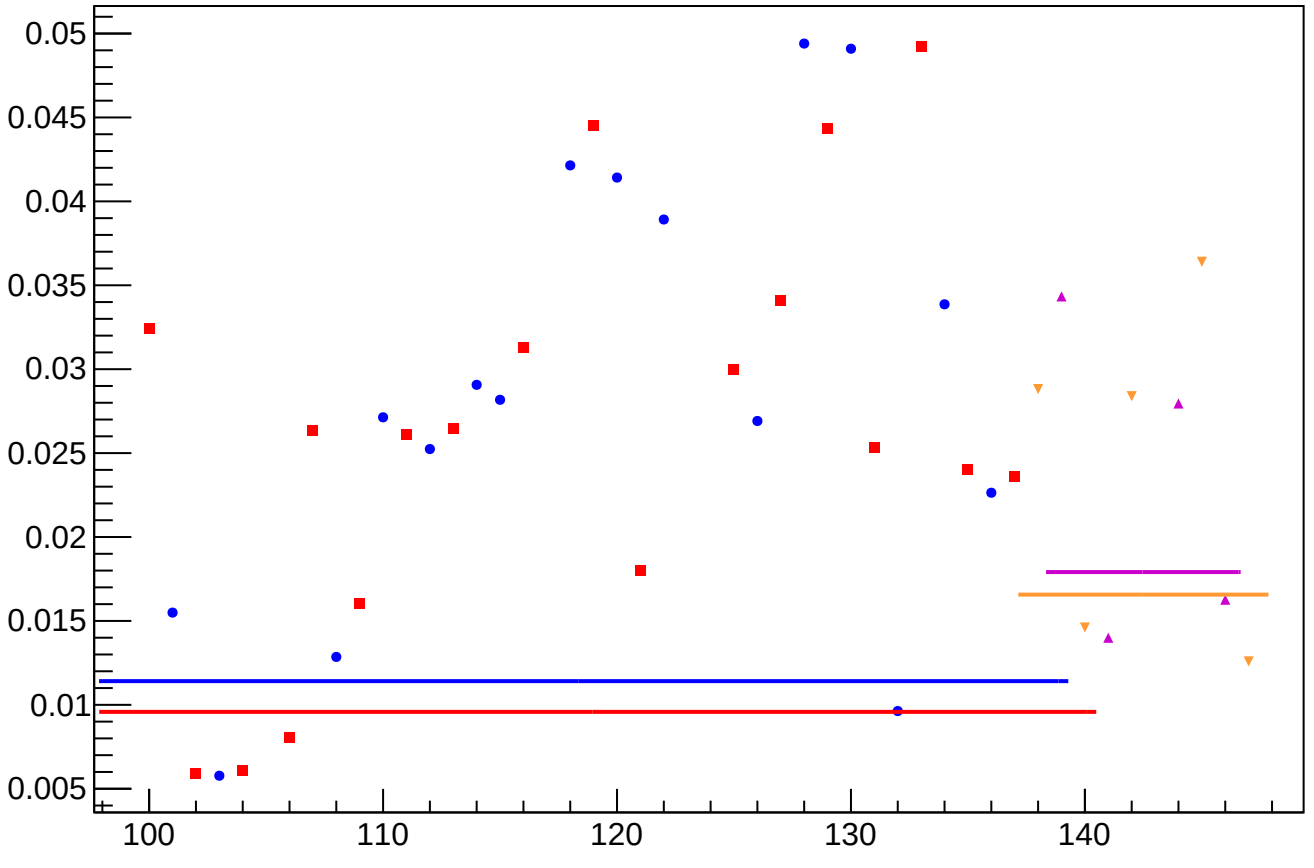
Left: -0.000+/-0.000 χ^2/NDF: 19.0/8

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:16.5/19

Out: -0.000+/-0.000 χ^2/NDF:35.2/22

All: -0.000+/-0.000 χ^2/NDF: 51.7/42



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.017+/-0.000 χ^2/NDF:1071763.5/4

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.018+/-0.000 χ^2/NDF:749980.9/3

Left: 0.017+/-0.000 χ^2/NDF: 1839763.1/8

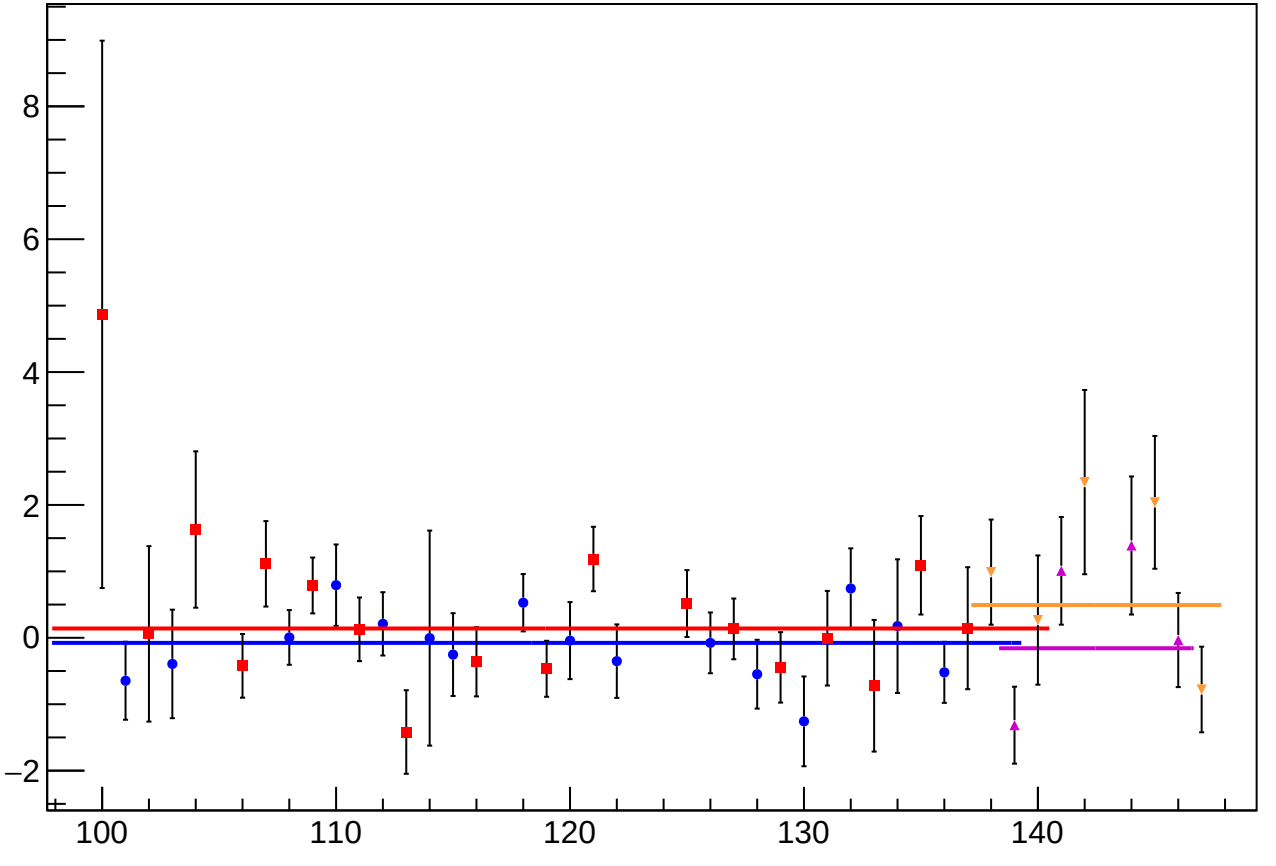
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:6849386.4/19

Out: 0.011+/-0.000 χ^2/NDF:7728377.2/22

All: 0.012+/-0.000 χ^2/NDF: 14743989.6/42

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: 0.493+/-0.390 χ^2/NDF:8.5/4

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.157+/-0.367 χ^2/NDF:8.3/3

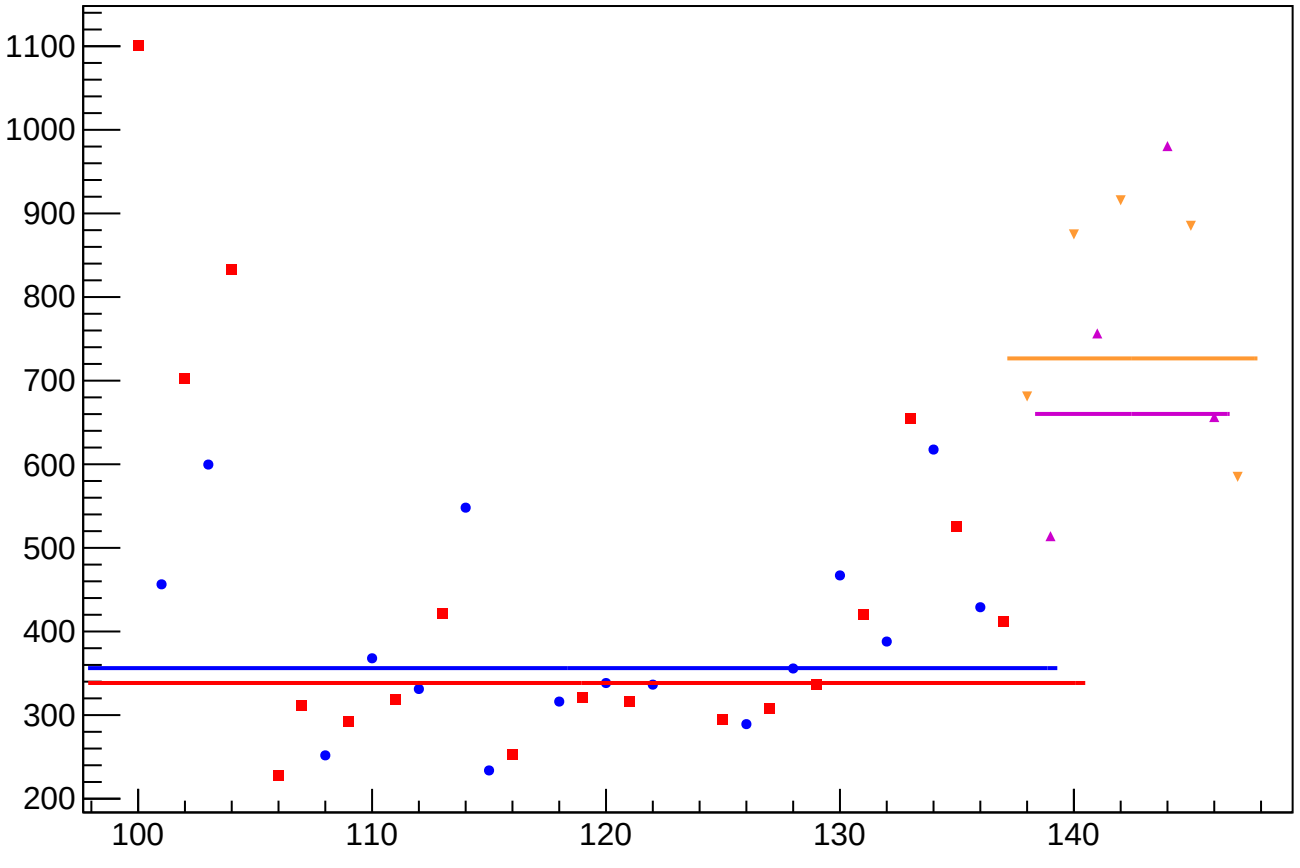
Left: 0.148+/-0.267 χ^2/NDF: 18.3/8

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.131 χ^2/NDF:20.9/19

Out: 0.180+/-0.130 χ^2/NDF:36.2/22

All: 0.047+/-0.092 χ^2/NDF: 59.2/42



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 726.603+/-0.276 χ^2/NDF:237238.9/4

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 660.204+/-0.260 χ^2/NDF:345812.4/3

Left: 691.414+/-0.189 χ^2/NDF: 613808.5/8

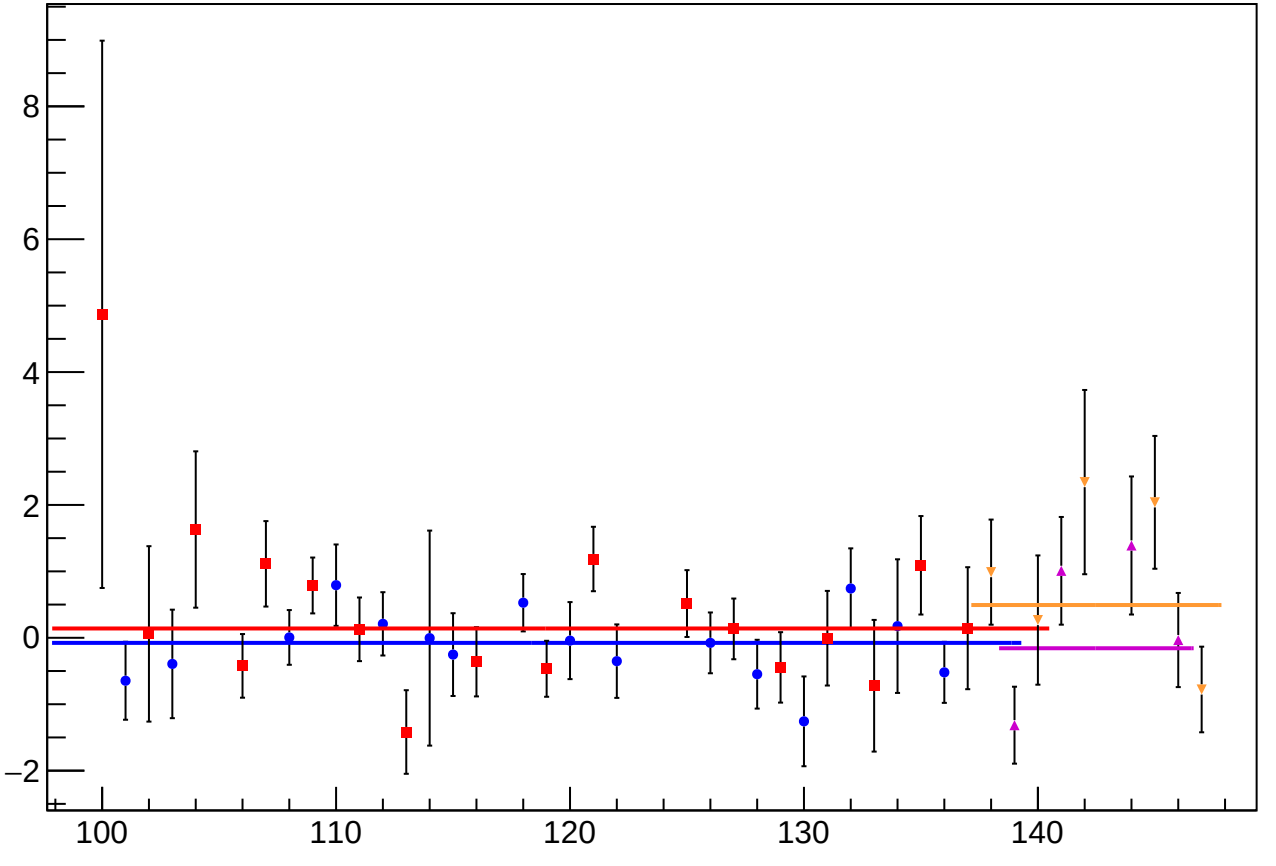
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 394.744+/-0.092 χ^2/NDF:2328657.5/19

Out: 381.630+/-0.092 χ^2/NDF:3203331.1/22

All: 388.153+/-0.065 χ^2/NDF: 5542102.3/42

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: 0.493+/-0.390 χ^2/NDF:8.5/4

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.157+/-0.367 χ^2/NDF:8.3/3

Left: 0.148+/-0.267 χ^2/NDF: 18.3/8

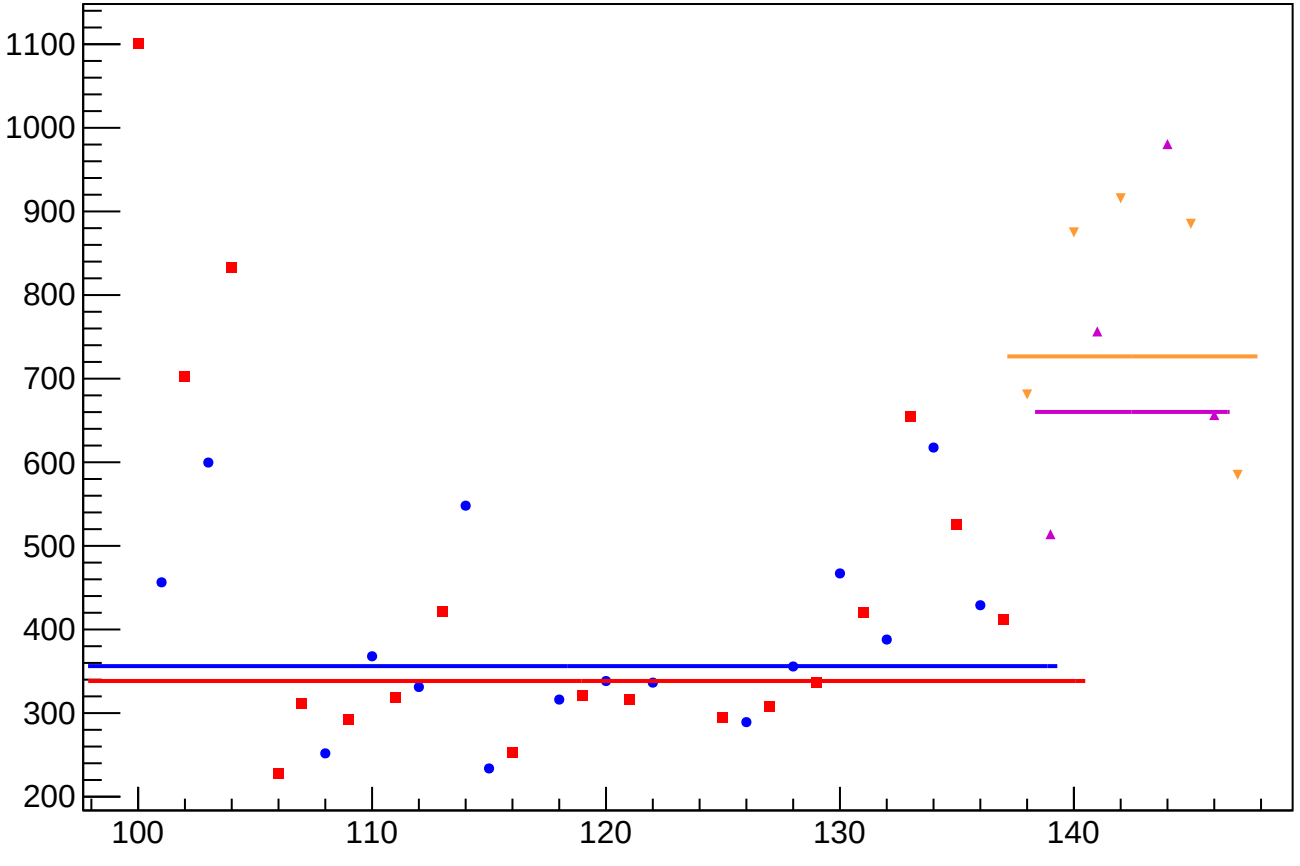
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.131 χ^2/NDF:20.9/19

Out: 0.180+/-0.130 χ^2/NDF:36.2/22

All: 0.047+/-0.092 χ^2/NDF: 59.2/42

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: 726.603+/-0.276 χ^2/NDF:237238.9/4

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 660.204+/-0.260 χ^2/NDF:345812.4/3

Left: 691.414+/-0.189 χ^2/NDF: 613808.5/8

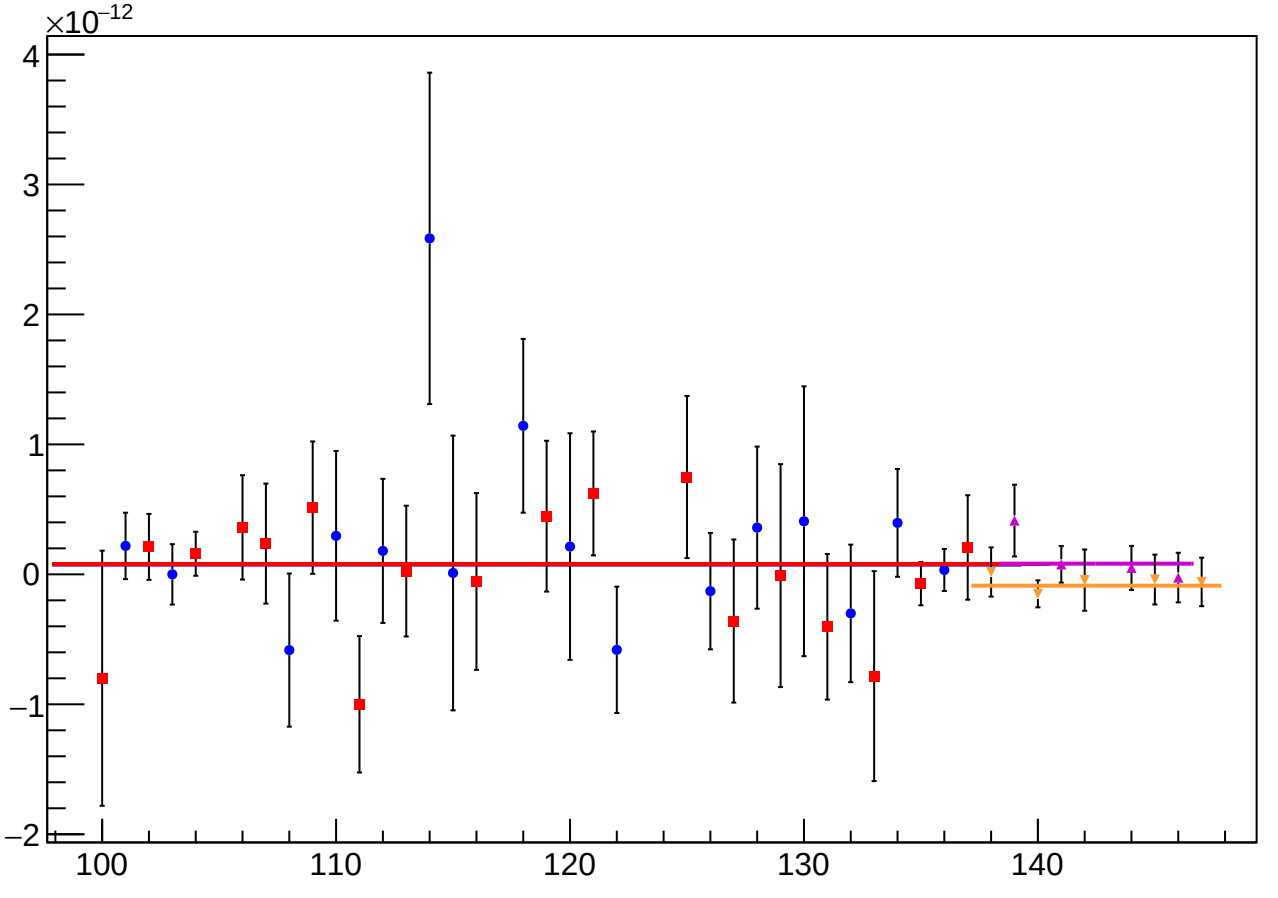
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 394.744+/-0.092 χ^2/NDF:2328657.5/19

Out: 381.630+/-0.092 χ^2/NDF:3203331.1/22

All: 388.153+/-0.065 χ^2/NDF: 5542102.3/42

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:0.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

Left: -0.000+/-0.000 χ^2/NDF: 4.8/8

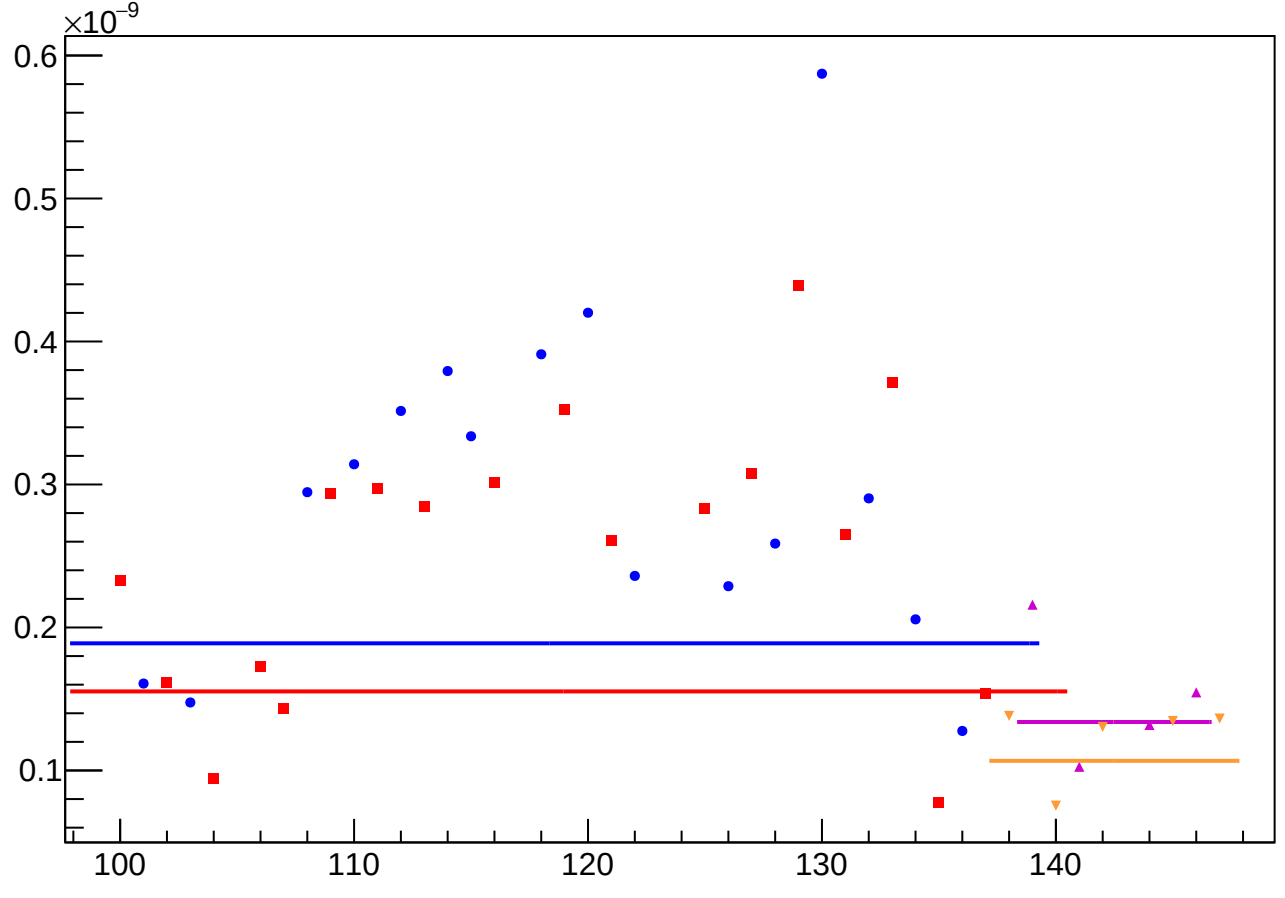
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:13.6/19

Out: -0.000+/-0.000 χ^2/NDF:16.1/22

All: 0.000+/-0.000 χ^2/NDF: 31.0/42

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:349865.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:299624.1/3

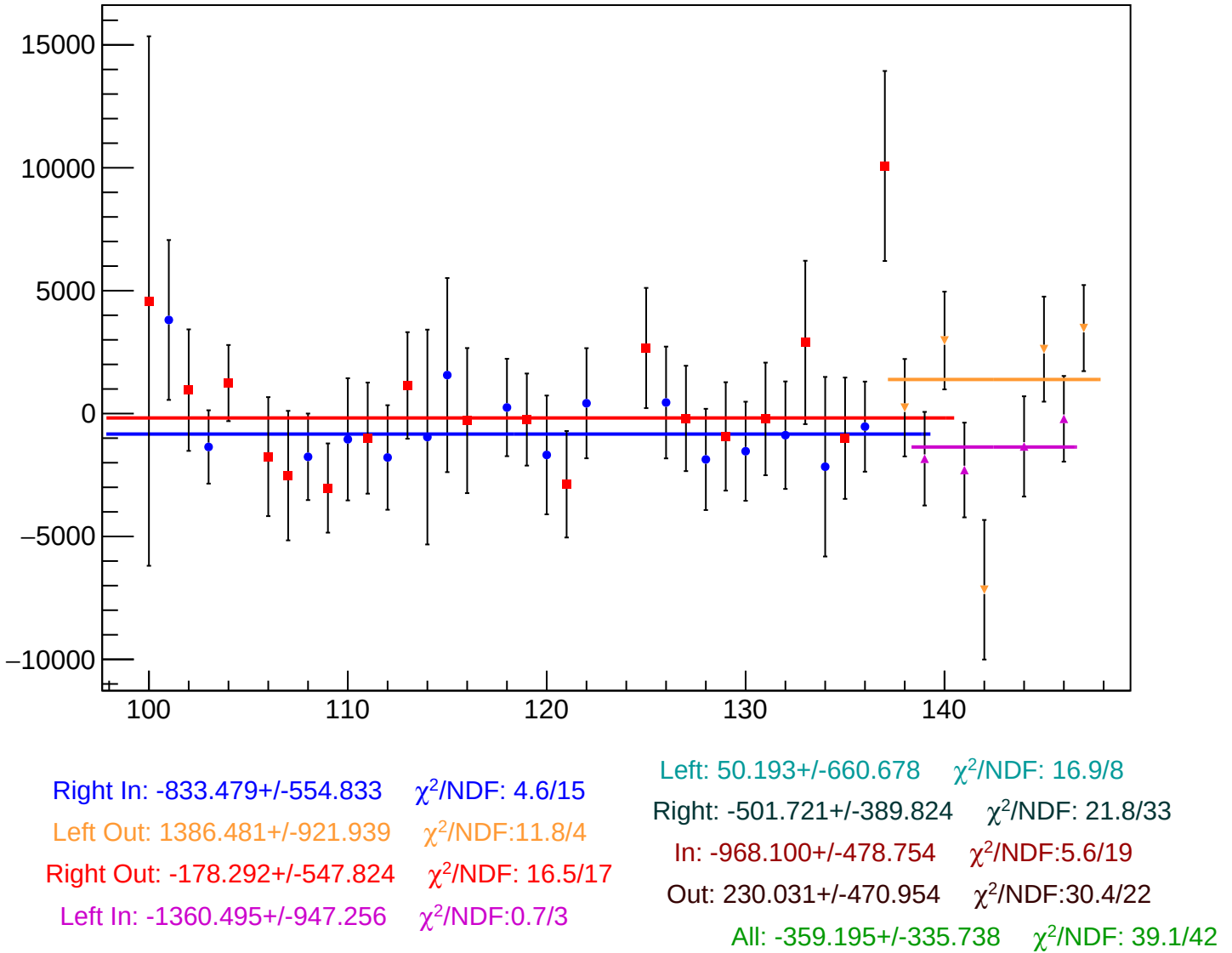
Left: 0.000+/-0.000 χ^2/NDF: 762122.2/8

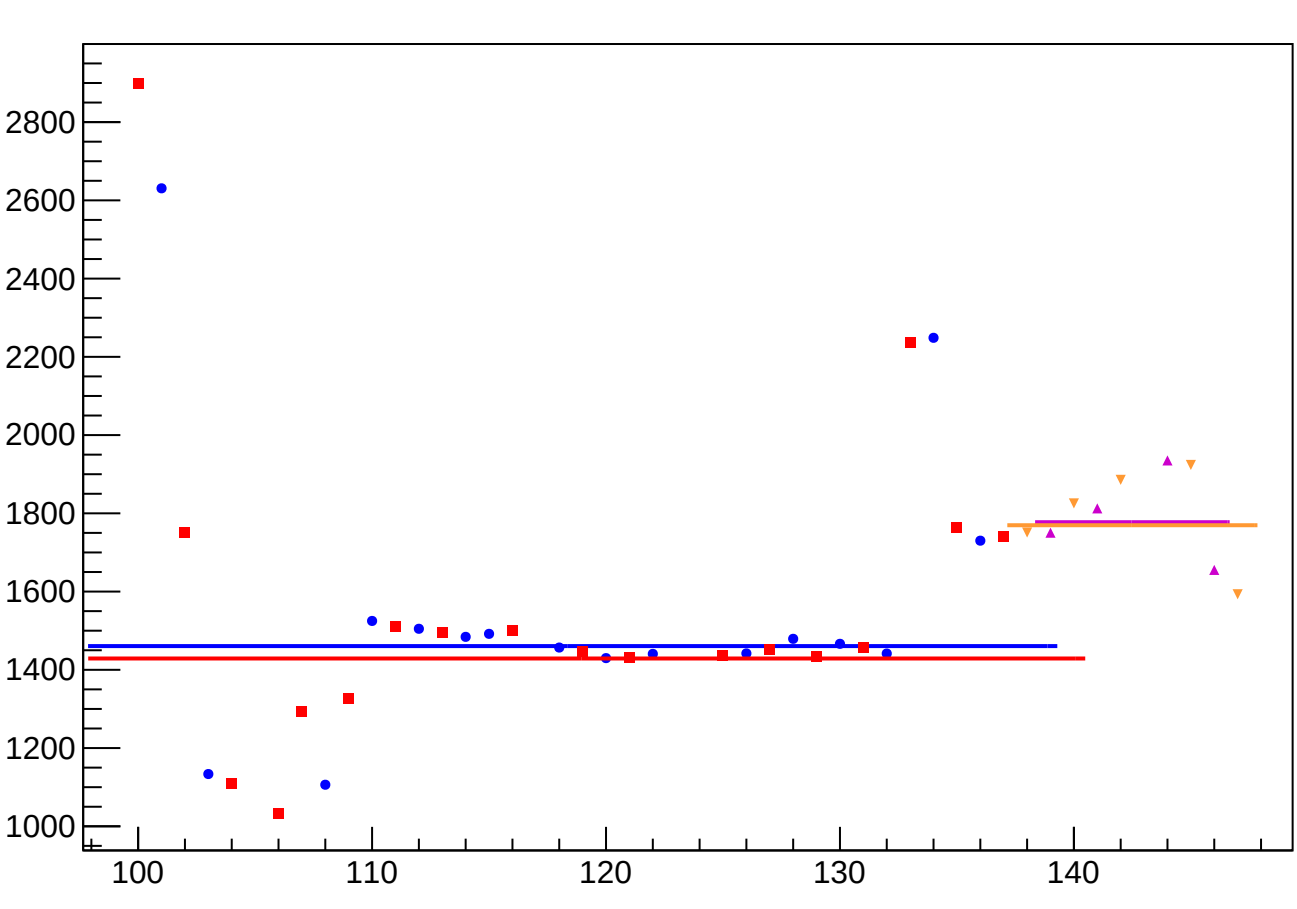
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:2171456.2/19

Out: 0.000+/-0.000 χ^2/NDF:2929056.7/22

All: 0.000+/-0.000 χ^2/NDF: 5389193.0/42


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1386.481+/-921.939 χ²/NDF:11.8/4
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1360.495+/-947.256 χ²/NDF:0.7/3
Left: 50.193+/-660.678 χ²/NDF: 16.9/8
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -968.100+/-478.754 χ²/NDF:5.6/19
Out: 230.031+/-470.954 χ²/NDF:30.4/22
All: -359.195+/-335.738 χ²/NDF: 39.1/42



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1769.585+/-0.652 χ^2/NDF:35795.9/4

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

Left: 1773.345+/-0.467 χ^2/NDF: 58696.5/8

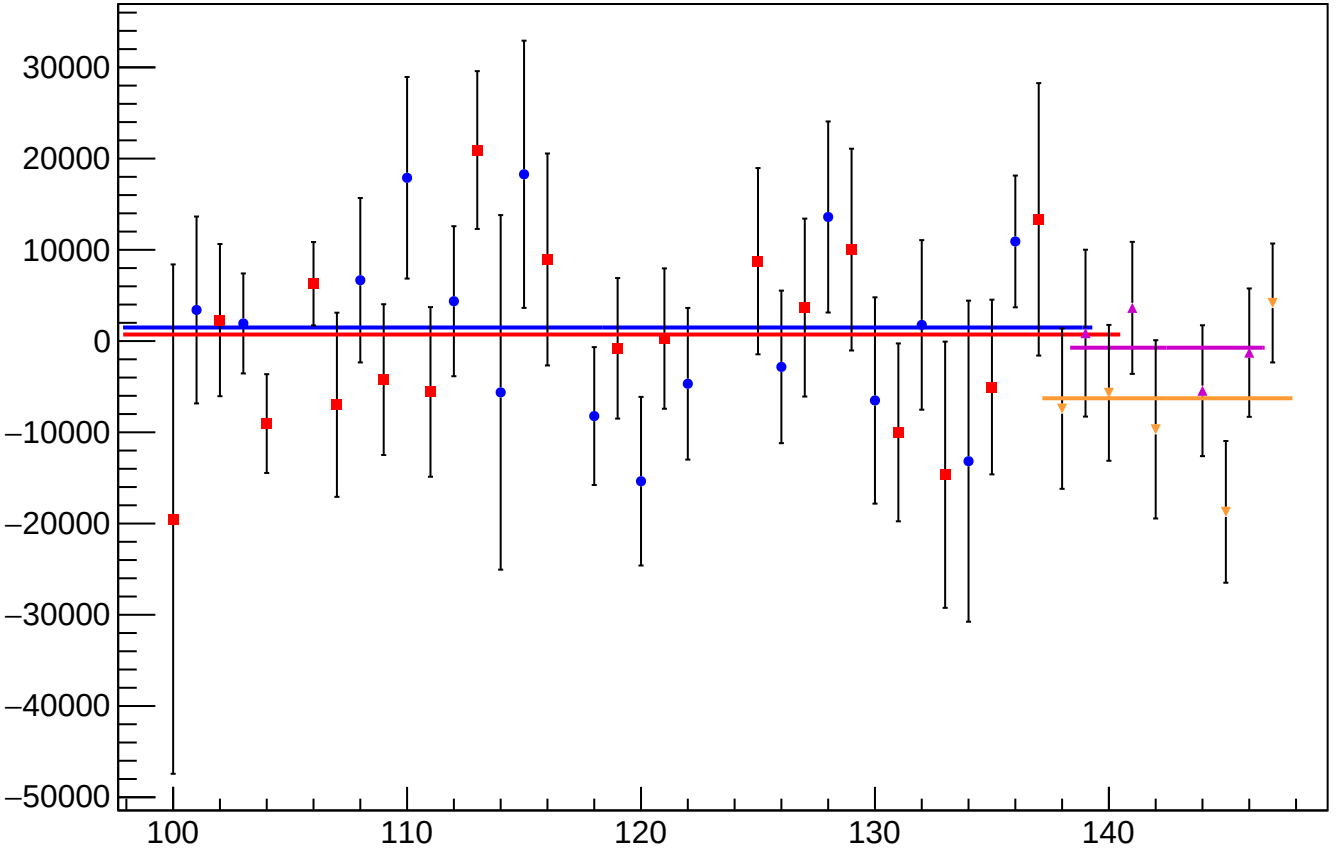
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1541.541+/-0.339 χ^2/NDF:764978.6/19

Out: 1516.861+/-0.331 χ^2/NDF:649642.2/22

All: 1528.930+/-0.237 χ^2/NDF: 1417336.6/42

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -6269.901+/-3501.334 χ^2/NDF:5.3/4

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -728.661+/-3760.580 χ^2/NDF:0.8/3

Left: -3696.848+/-2562.570 χ^2/NDF: 7.3/8

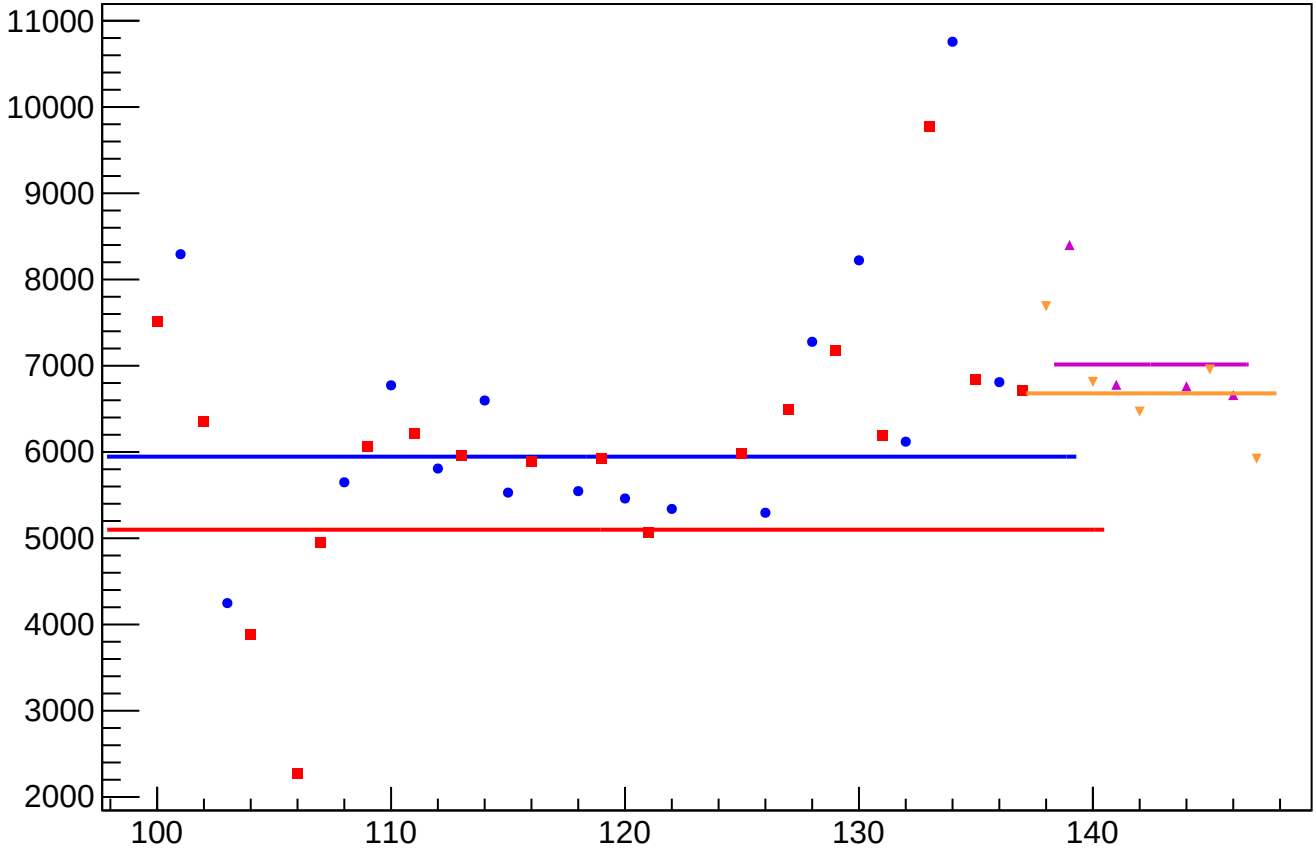
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 896.359+/-1942.152 χ^2/NDF:15.3/19

Out: -1014.465+/-1744.200 χ^2/NDF:25.8/22

All: -161.366+/-1297.695 χ^2/NDF: 41.6/42

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: 6679.874+/-2.476 χ^2/NDF:57569.5/4

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7014.769+/-2.659 χ^2/NDF:55578.8/3

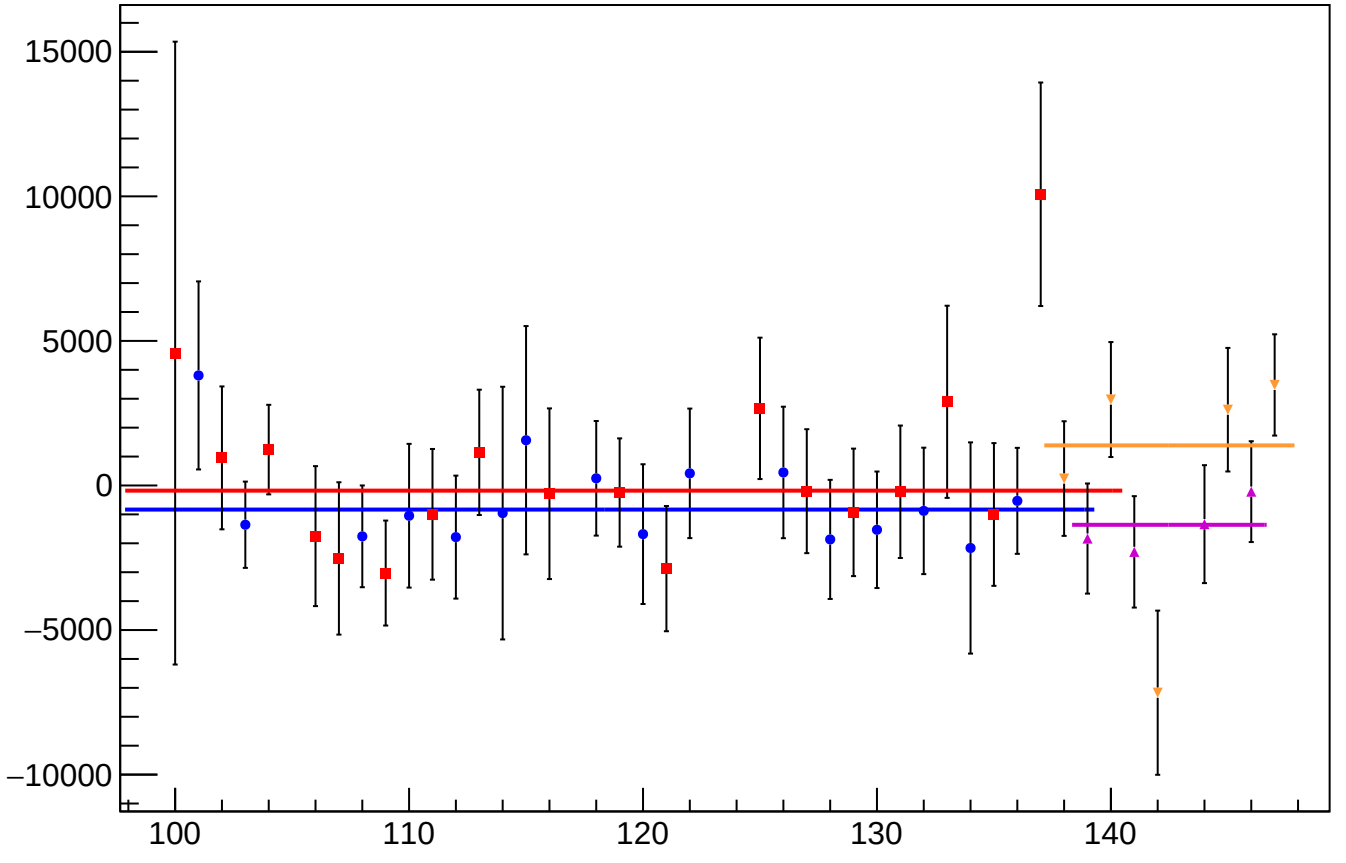
Left: 6835.381+/-1.812 χ^2/NDF: 121644.4/8

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6231.121+/-1.373 χ^2/NDF:815148.7/19

Out: 5491.586+/-1.233 χ^2/NDF:1844330.0/22

All: 5821.756+/-0.918 χ^2/NDF: 2820000.3/42



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1386.327+/-921.939 χ^2/NDF:11.8/4

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1360.679+/-947.256 χ^2/NDF:0.7/3

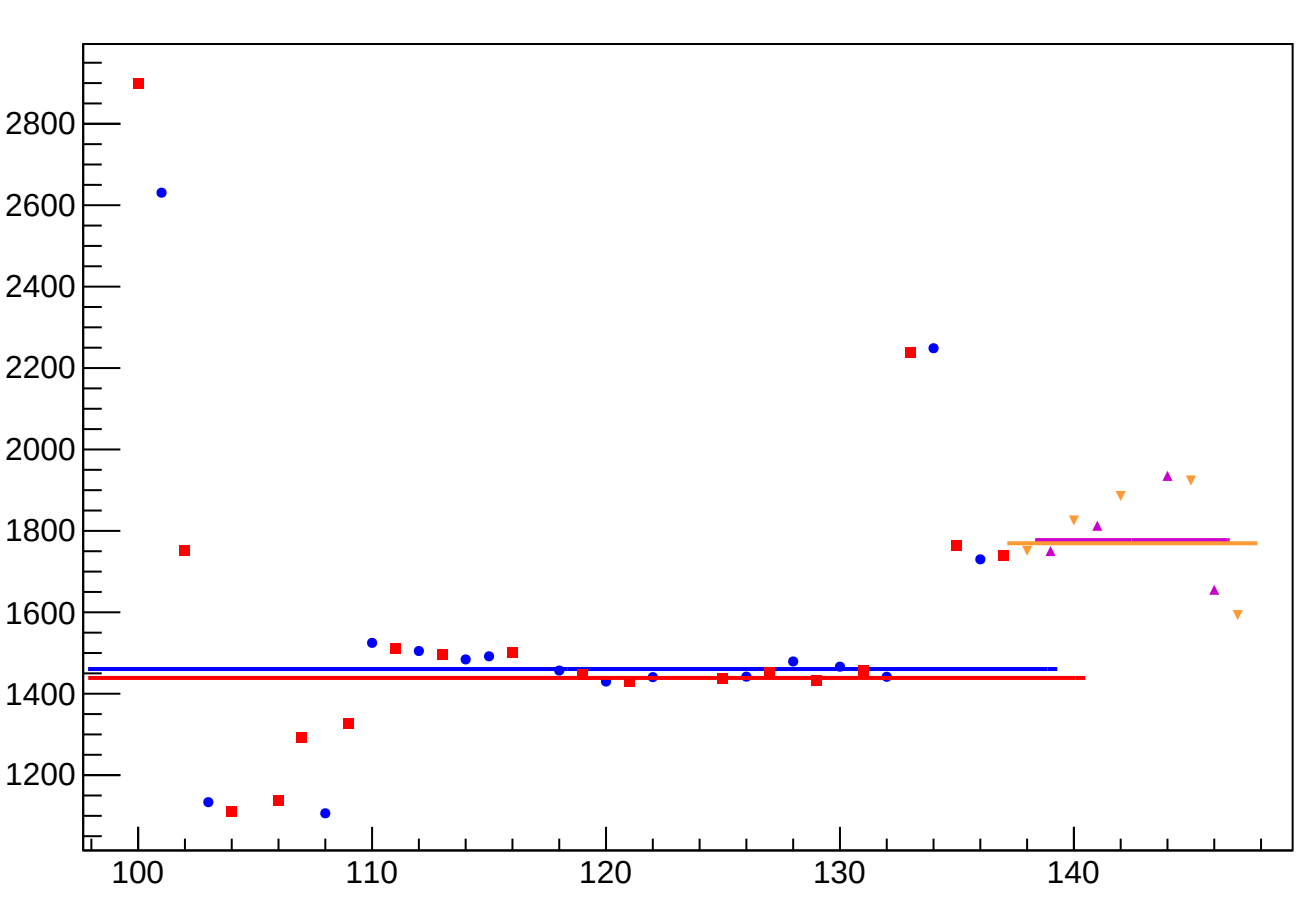
Left: 50.025+/-660.678 χ^2/NDF: 16.9/8

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -968.194+/-478.754 χ^2/NDF:5.6/19

Out: 230.109+/-470.954 χ^2/NDF:30.4/22

All: -359.202+/-335.738 χ^2/NDF: 39.1/42



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1769.585+/-0.652 χ^2/NDF:35795.9/4

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

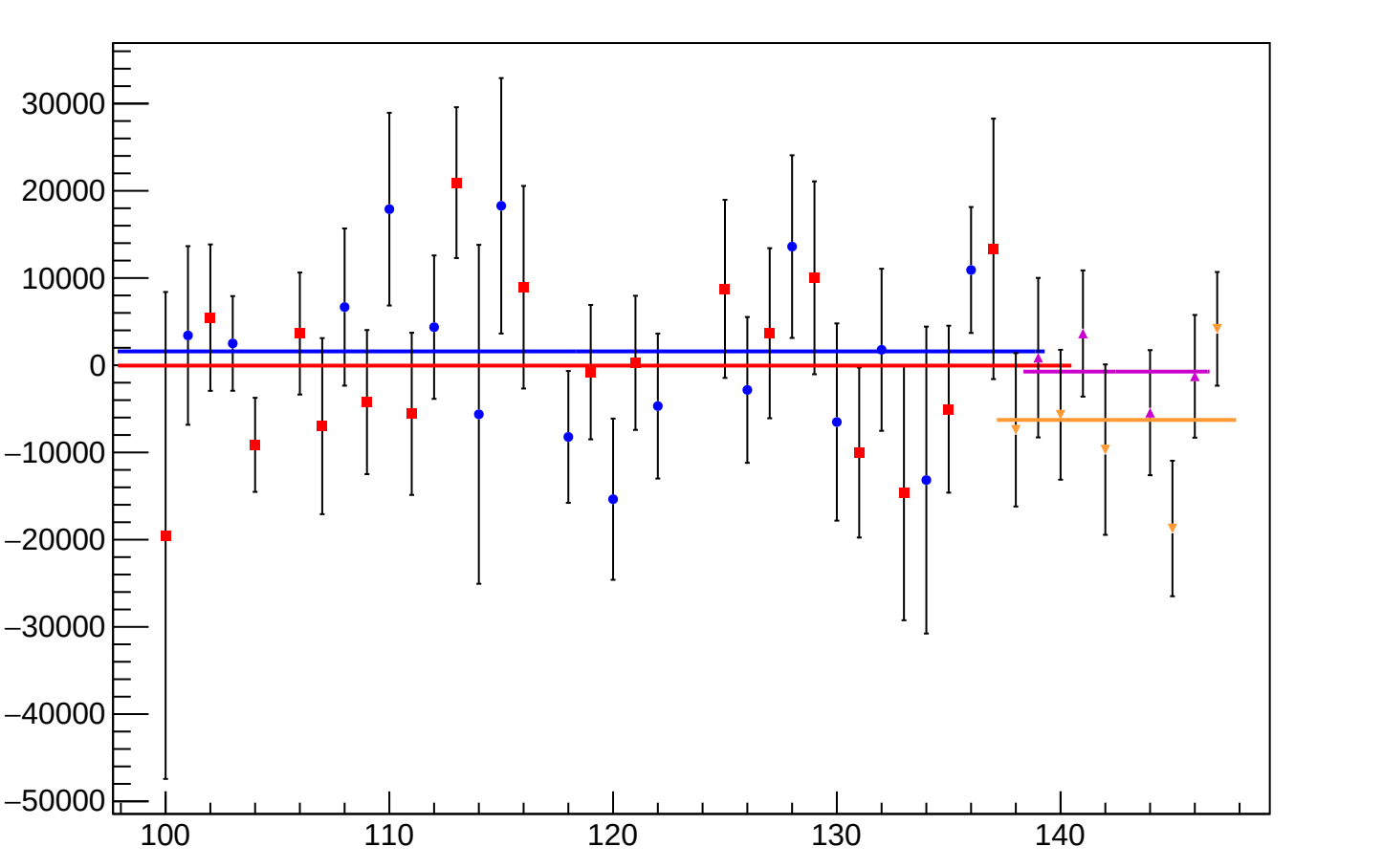
Left: 1773.345+/-0.467 χ^2/NDF: 58696.5/8

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1541.541+/-0.339 χ^2/NDF:764979.0/19

Out: 1524.799+/-0.332 χ^2/NDF:599720.7/22

All: 1533.018+/-0.237 χ^2/NDF: 1365944.7/42



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -6269.944+/-3501.332 χ^2/NDF:5.3/4

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -728.703+/-3760.577 χ^2/NDF:0.8/3

Left: -3696.891+/-2562.568 χ^2/NDF: 7.3/8

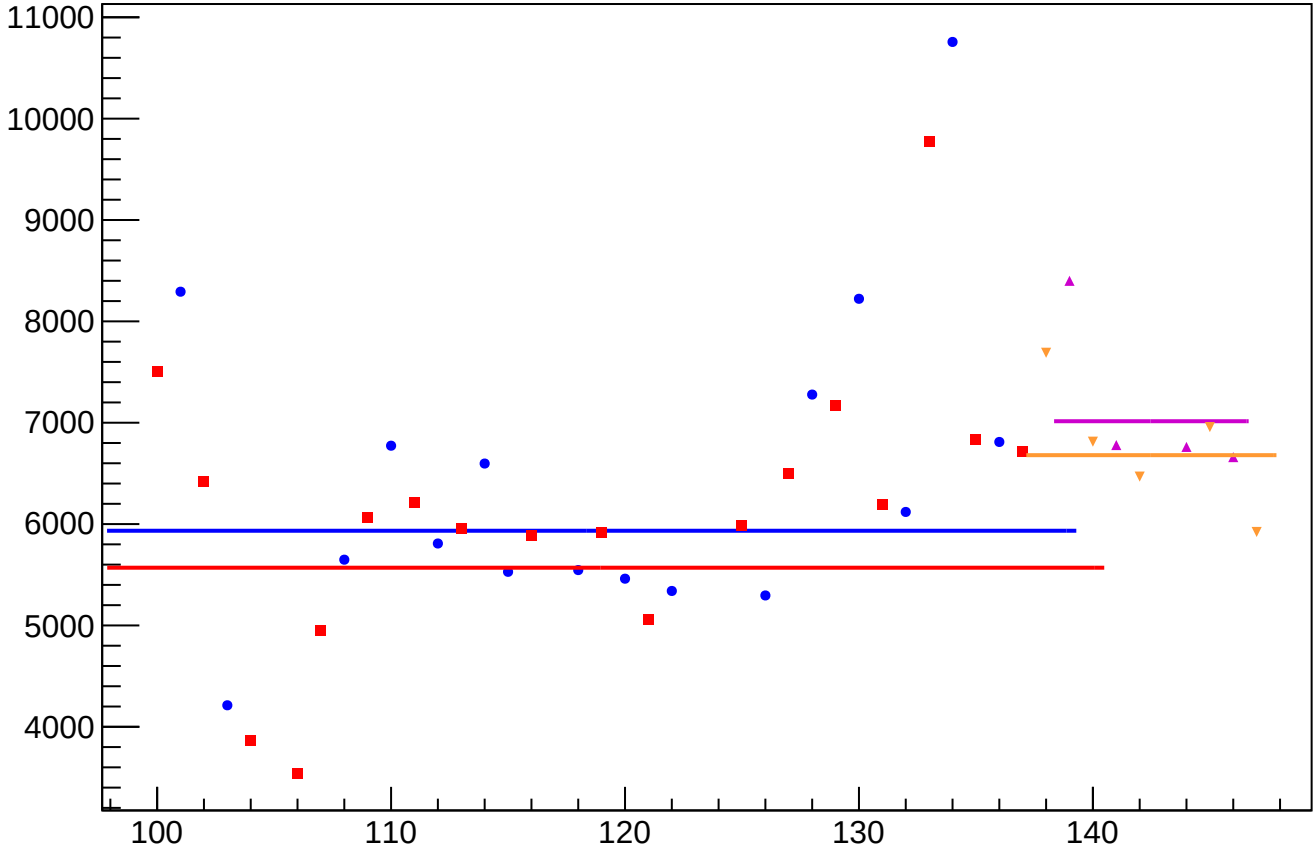
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 972.073+/-1939.784 χ^2/NDF:15.3/19

Out: -1726.770+/-1821.624 χ^2/NDF:24.0/22

All: -462.046+/-1327.891 χ^2/NDF: 40.4/42

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: 6679.870+/-2.476 χ^2/NDF:57568.0/4

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7014.764+/-2.659 χ^2/NDF:55578.6/3

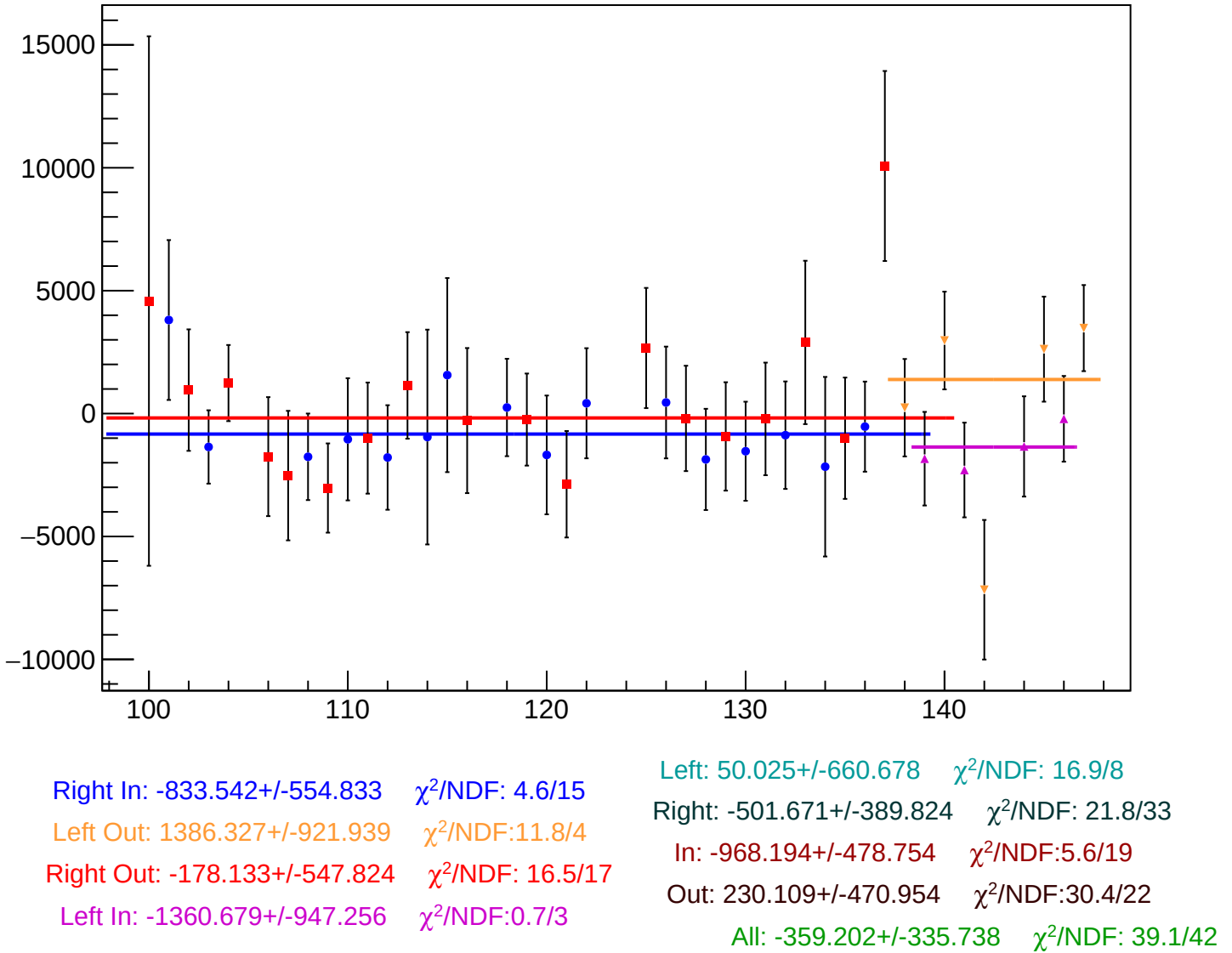
Left: 6835.377+/-1.812 χ^2/NDF: 121642.8/8

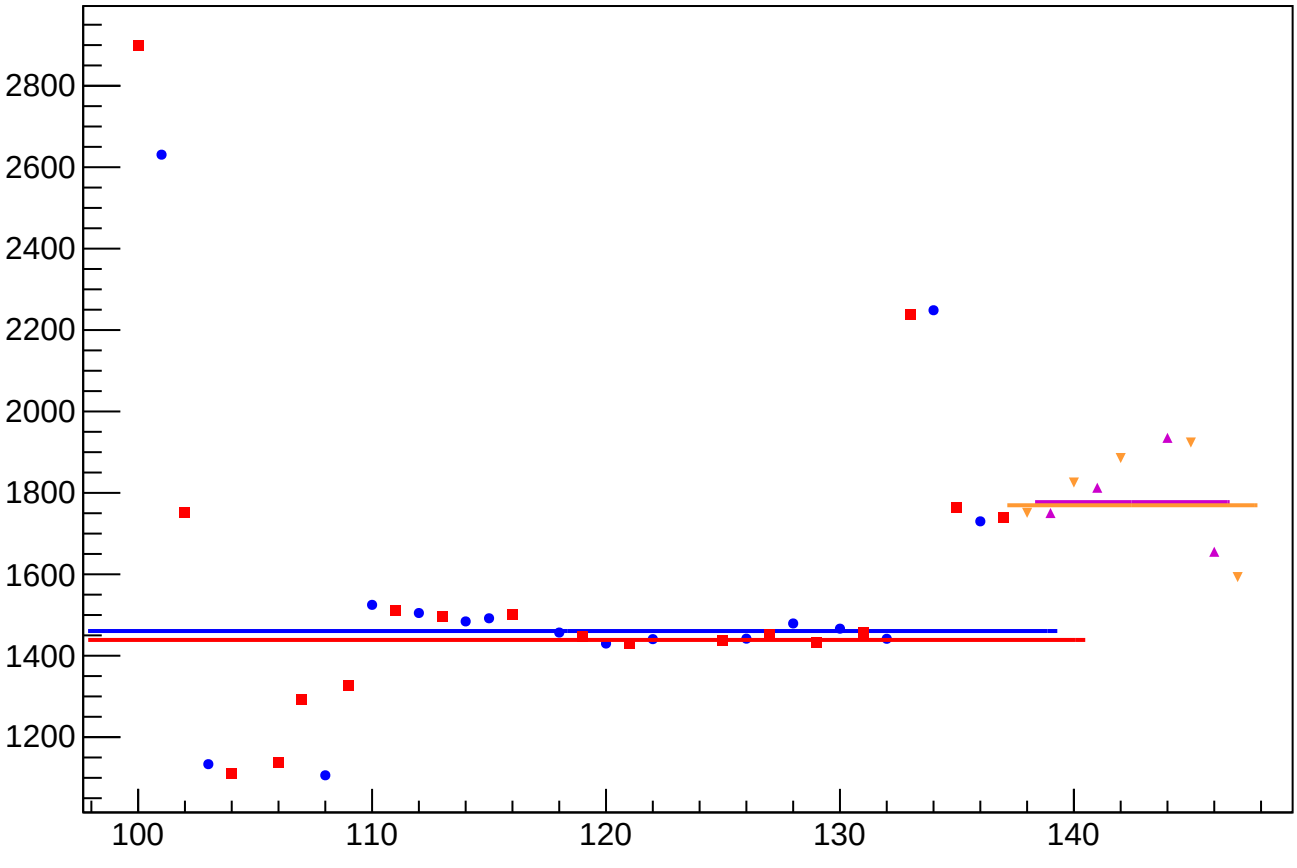
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6221.713+/-1.372 χ^2/NDF:829852.0/19

Out: 5870.129+/-1.288 χ^2/NDF:928285.1/22

All: 6034.887+/-0.939 χ^2/NDF: 1793050.4/42


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1386.327+/-921.939 χ²/NDF:11.8/4
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1360.679+/-947.256 χ²/NDF:0.7/3
Left: 50.025+/-660.678 χ²/NDF: 16.9/8
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -968.194+/-478.754 χ²/NDF:5.6/19
Out: 230.109+/-470.954 χ²/NDF:30.4/22
All: -359.202+/-335.738 χ²/NDF: 39.1/42



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1769.585+/-0.652 χ^2/NDF:35795.9/4

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1777.313+/-0.670 χ^2/NDF:22832.3/3

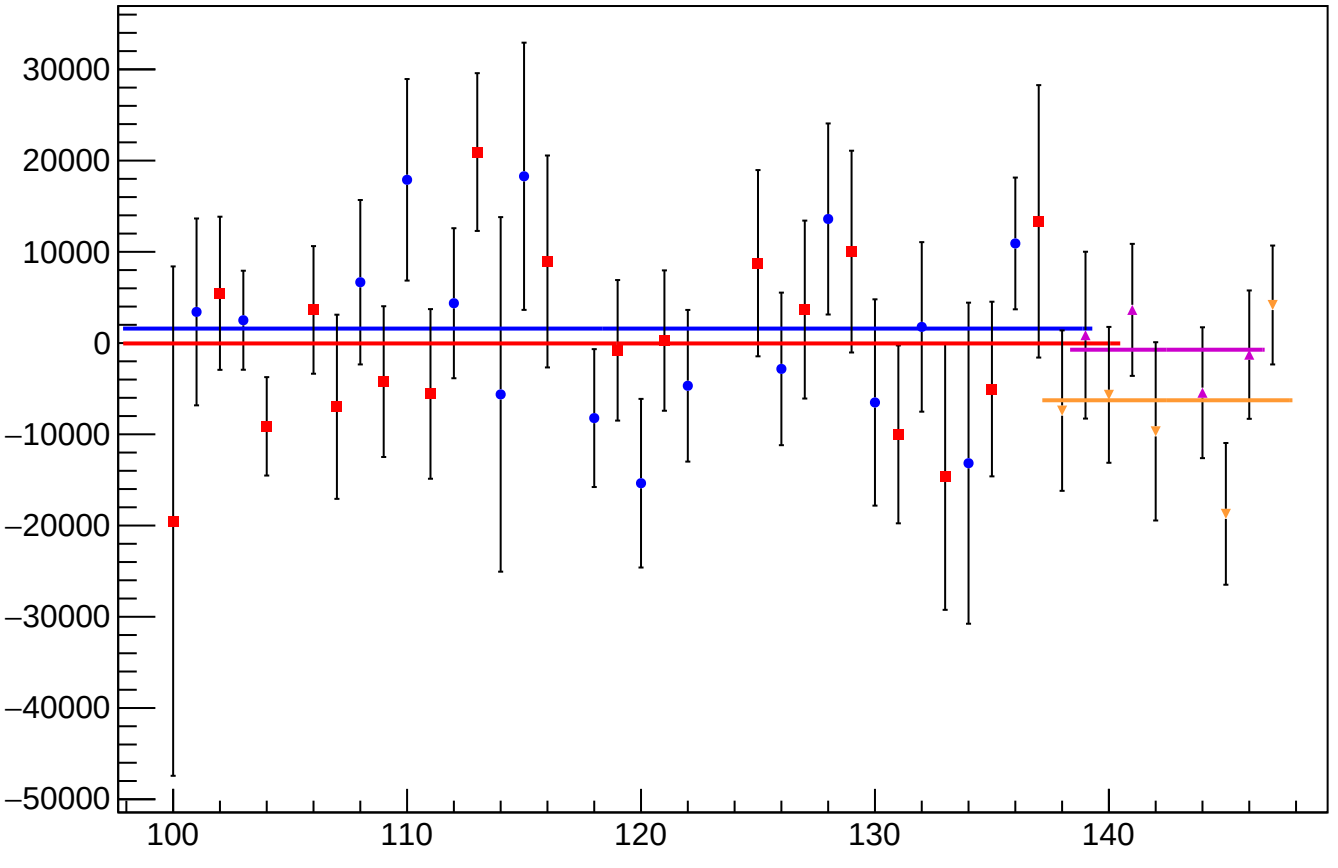
Left: 1773.345+/-0.467 χ^2/NDF: 58696.5/8

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1541.541+/-0.339 χ^2/NDF:764979.0/19

Out: 1524.799+/-0.332 χ^2/NDF:599720.7/22

All: 1533.018+/-0.237 χ^2/NDF: 1365944.7/42



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -6269.944+/-3501.332 χ^2/NDF:5.3/4

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -728.703+/-3760.577 χ^2/NDF:0.8/3

Left: -3696.891+/-2562.568 χ^2/NDF: 7.3/8

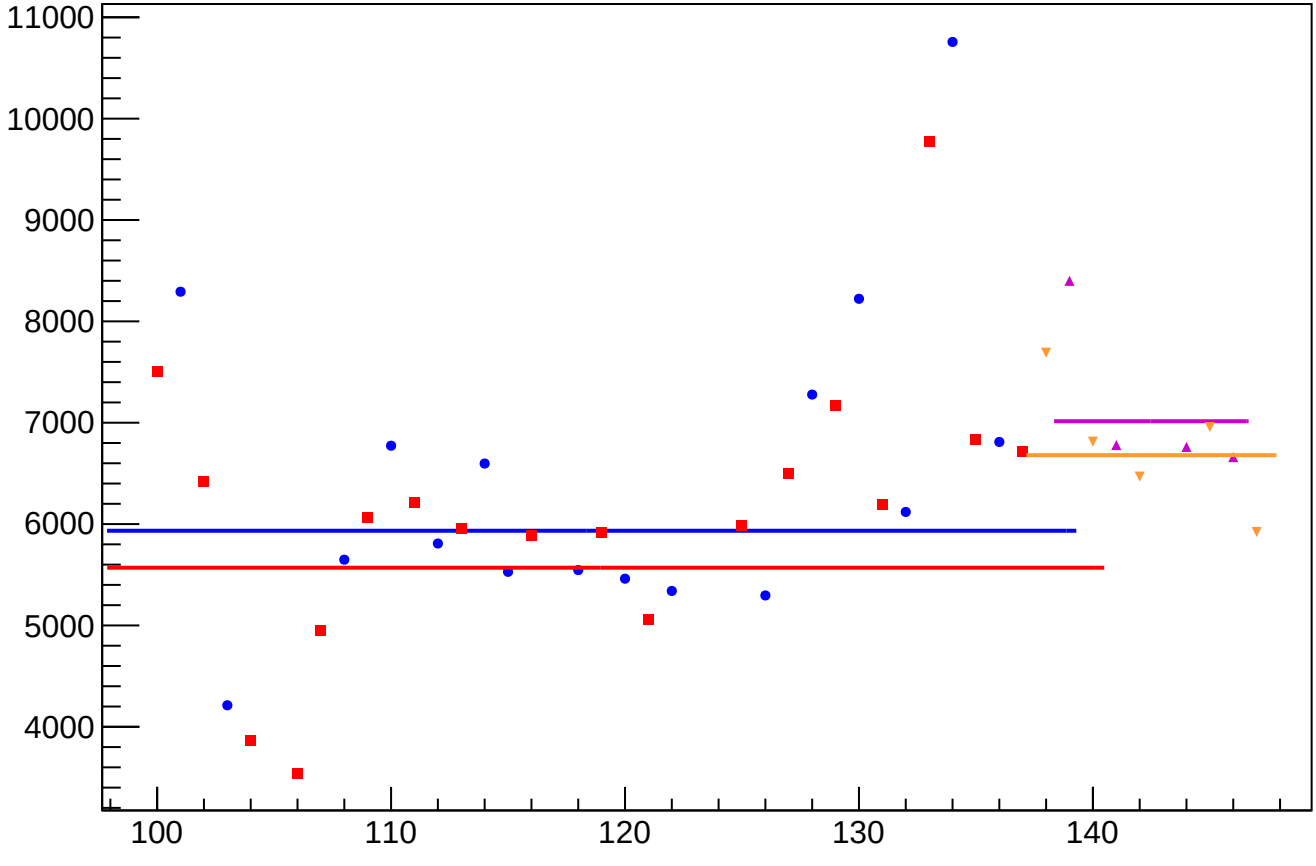
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 972.073+/-1939.784 χ^2/NDF:15.3/19

Out: -1726.770+/-1821.624 χ^2/NDF:24.0/22

All: -462.046+/-1327.891 χ^2/NDF: 40.4/42

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: 6679.870+/-2.476 χ^2/NDF:57568.0/4

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7014.764+/-2.659 χ^2/NDF:55578.6/3

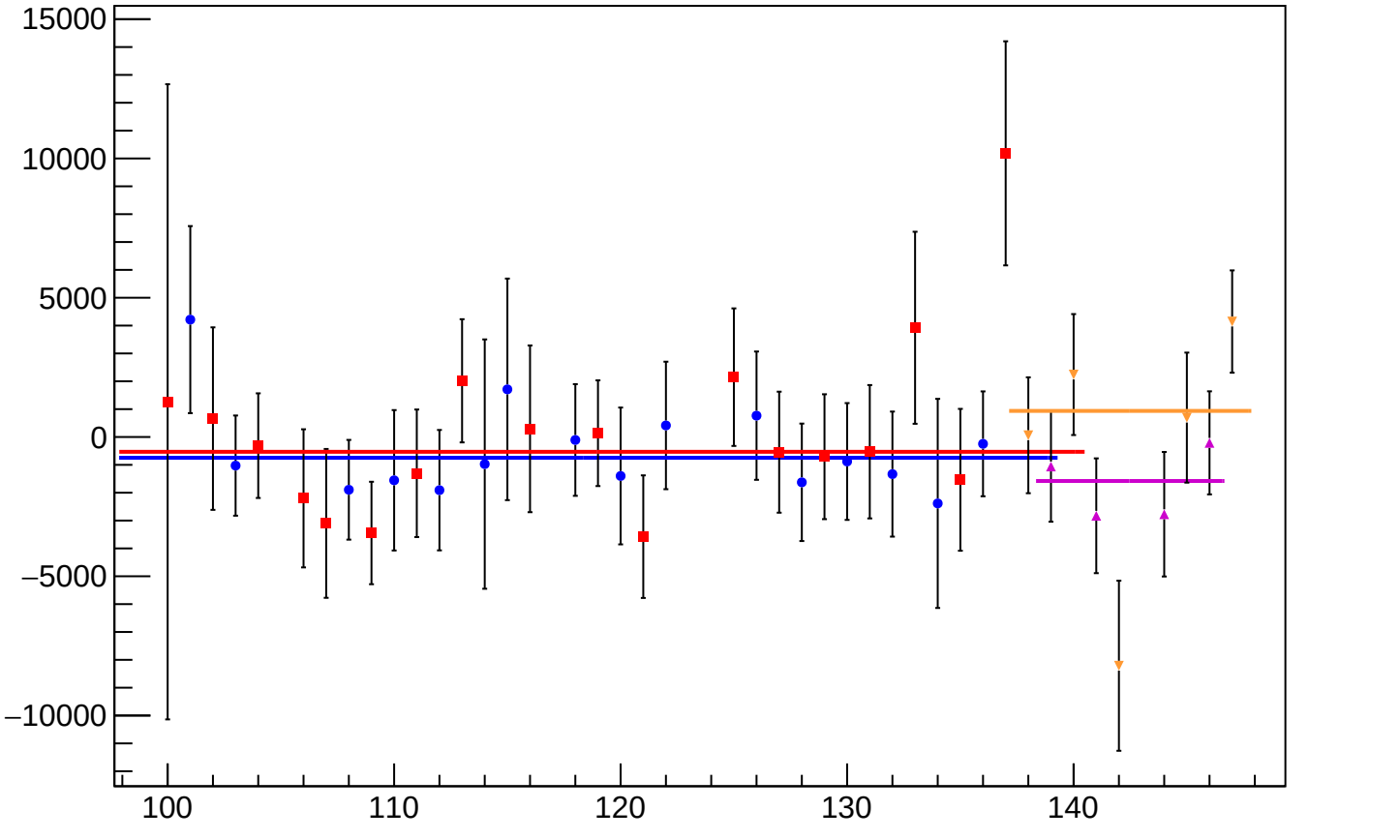
Left: 6835.377+/-1.812 χ^2/NDF: 121642.8/8

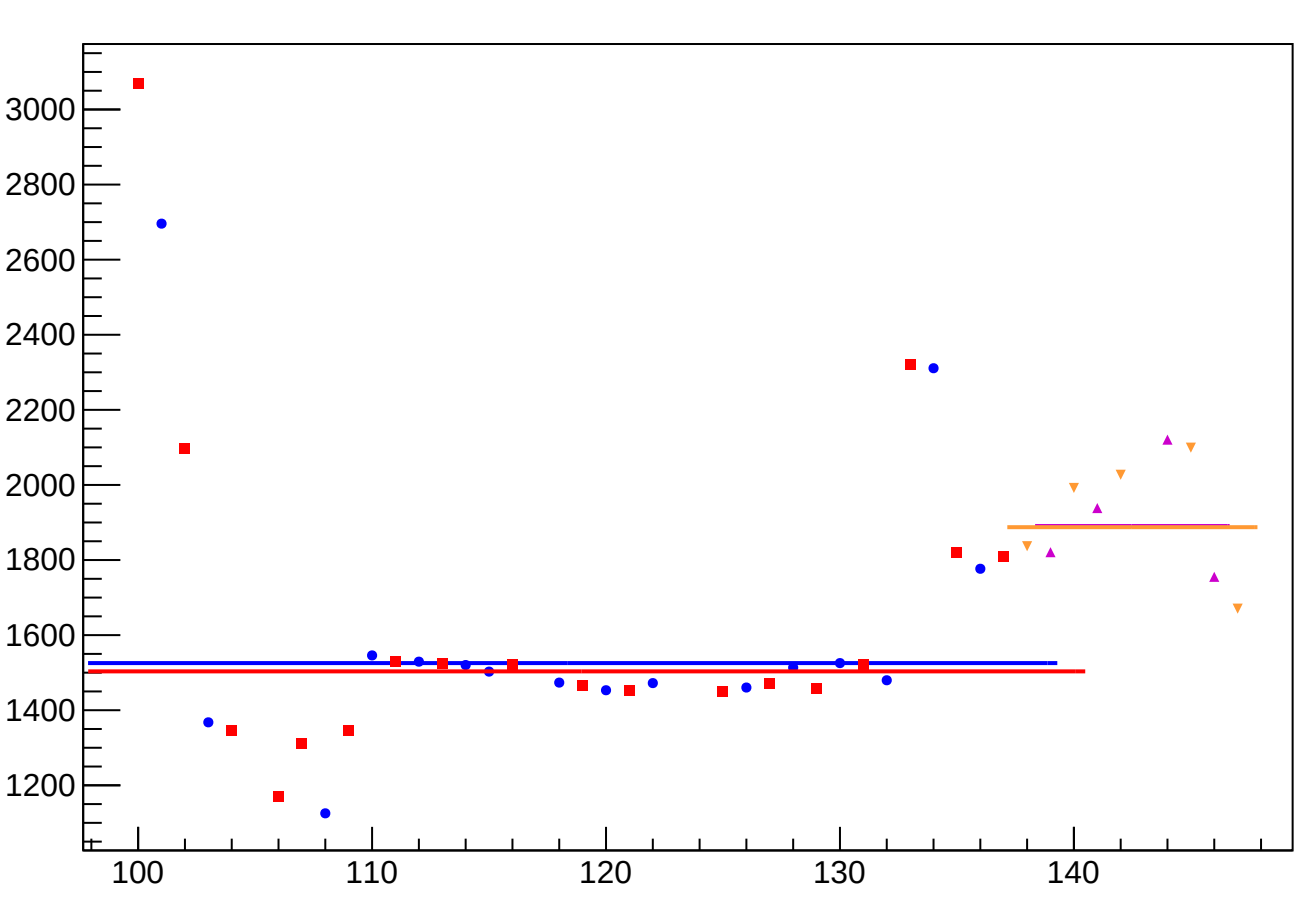
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6221.713+/-1.372 χ^2/NDF:829852.0/19

Out: 5870.129+/-1.288 χ^2/NDF:928285.1/22

All: 6034.887+/-0.939 χ^2/NDF: 1793050.4/42


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 936.913+/-985.048 χ²/NDF:12.6/4
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1579.609+/-1009.094 χ²/NDF:1.3/3
Left: -291.007+/-704.882 χ²/NDF: 17.0/8
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -951.907+/-501.596 χ²/NDF:6.5/19
Out: -158.048+/-496.661 χ²/NDF:32.0/22
All: -551.053+/-352.924 χ²/NDF: 39.8/42



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1887.469+/-0.697 χ^2/NDF:54393.4/4

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1890.673+/-0.714 χ^2/NDF:35424.1/3

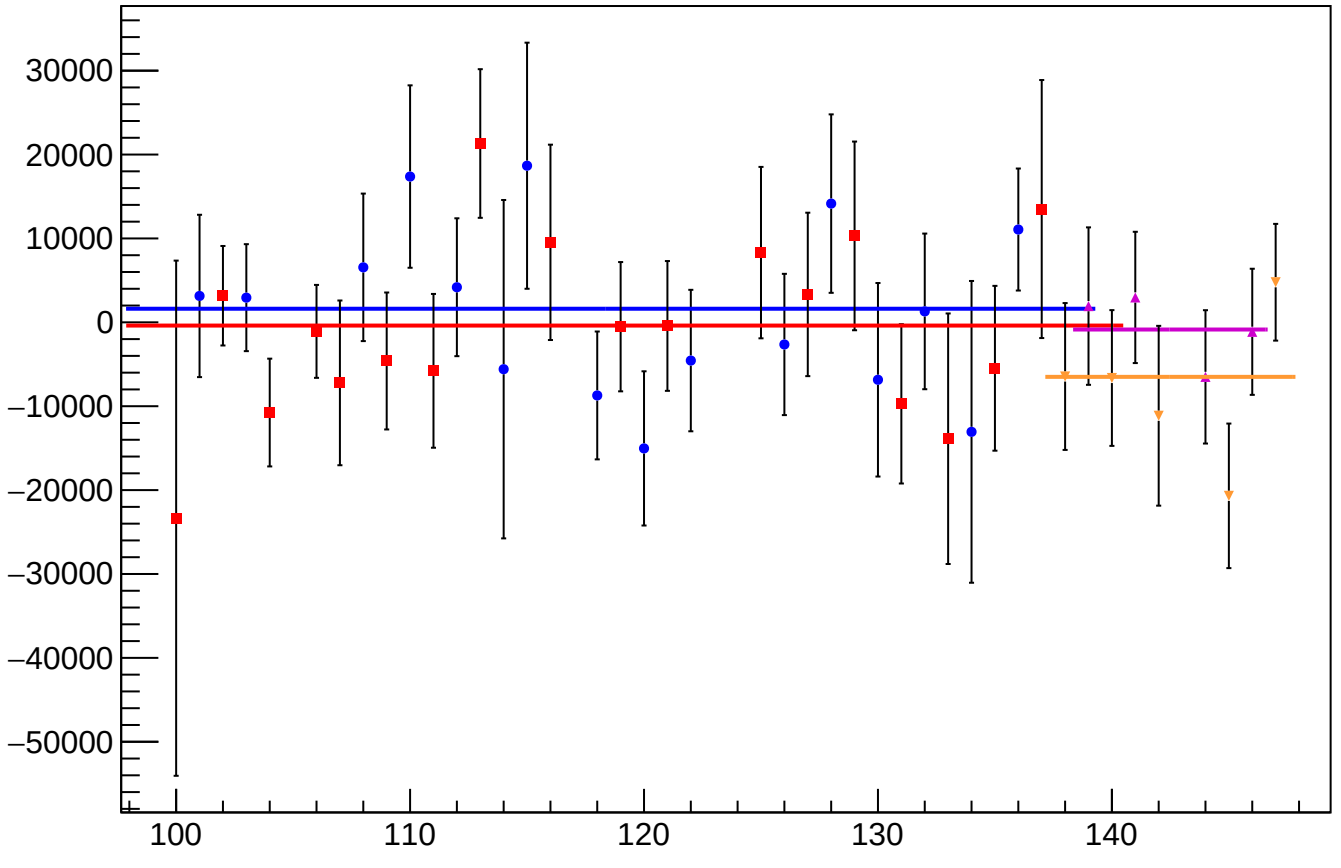
Left: 1889.033+/-0.498 χ^2/NDF: 89827.8/8

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1615.756+/-0.355 χ^2/NDF:720915.6/19

Out: 1601.021+/-0.351 χ^2/NDF:619643.3/22

All: 1608.314+/-0.250 χ^2/NDF: 1341430.6/42



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -6500.437+/-3748.825 χ^2/NDF:5.5/4

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -857.706+/-4041.644 χ^2/NDF:0.8/3

Left: -3890.865+/-2748.515 χ^2/NDF: 7.4/8

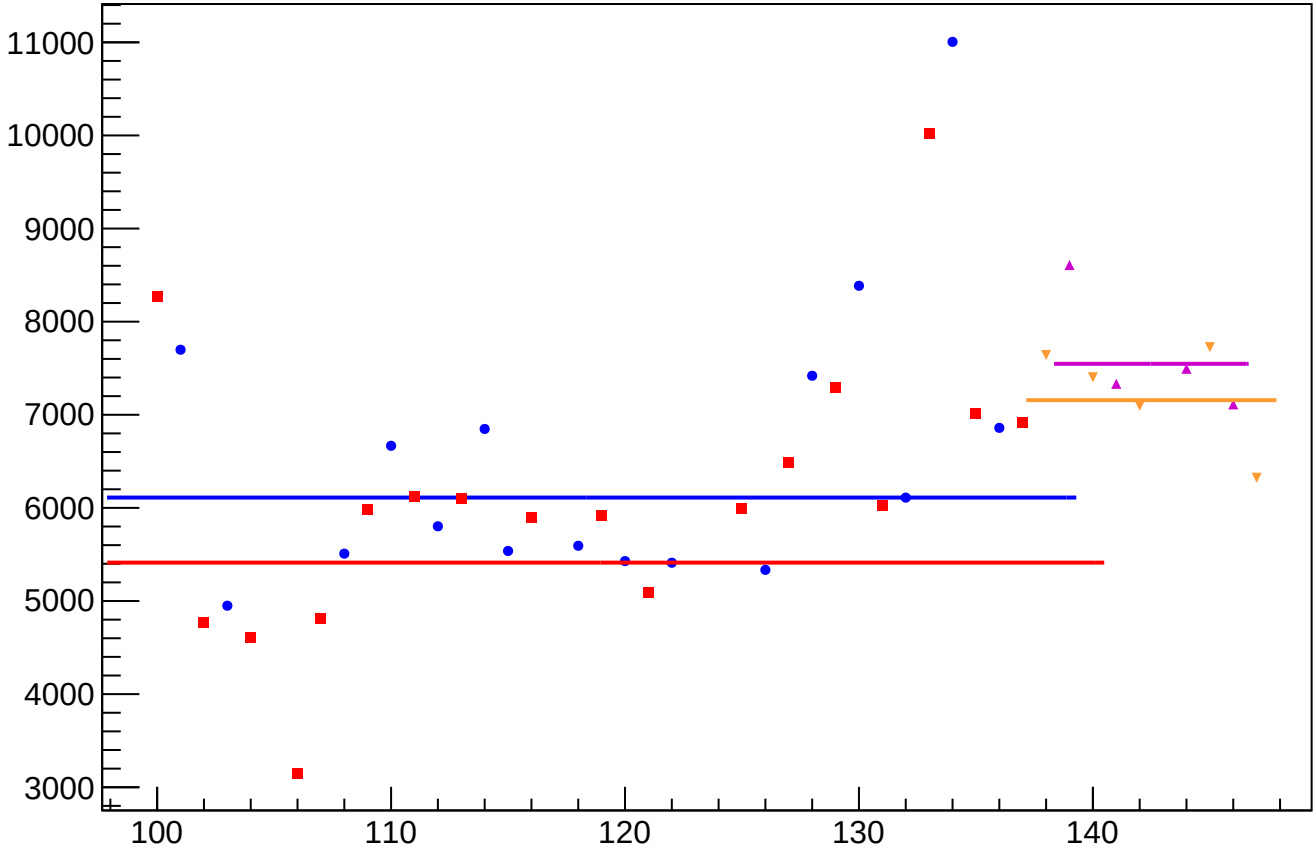
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 1005.957+/-2012.092 χ^2/NDF:15.4/19

Out: -1804.964+/-1805.966 χ^2/NDF:23.6/22

All: -550.816+/-1343.995 χ^2/NDF: 40.0/42

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: 7156.957+/-2.651 χ^2/NDF:45464.6/4

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7547.372+/-2.858 χ^2/NDF:33872.0/3

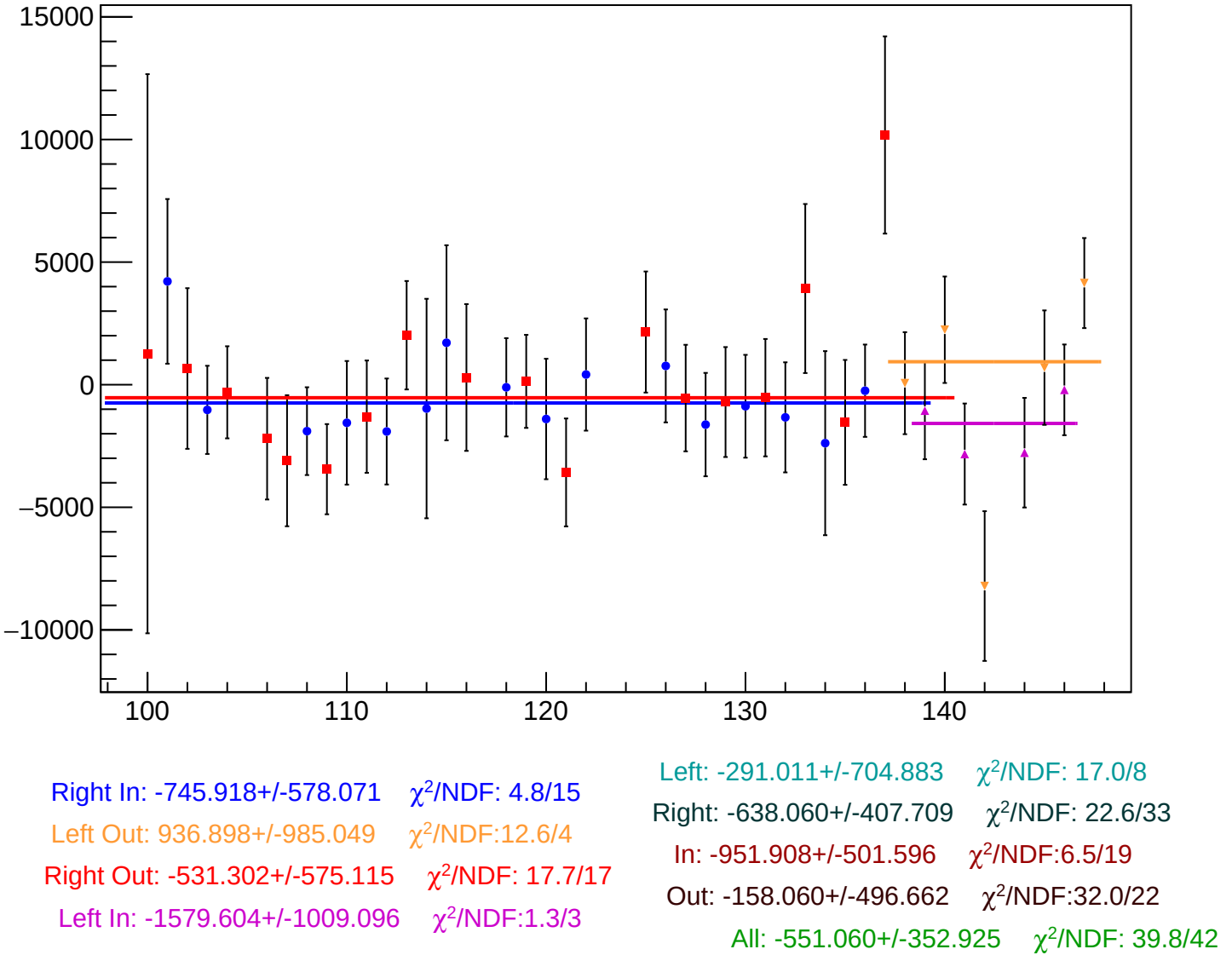
Left: 7337.511+/-1.943 χ^2/NDF: 89368.3/8

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6467.025+/-1.423 χ^2/NDF:695524.5/19

Out: 5817.173+/-1.277 χ^2/NDF:1199647.3/22

All: 6107.117+/-0.950 χ^2/NDF: 2010713.7/42


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
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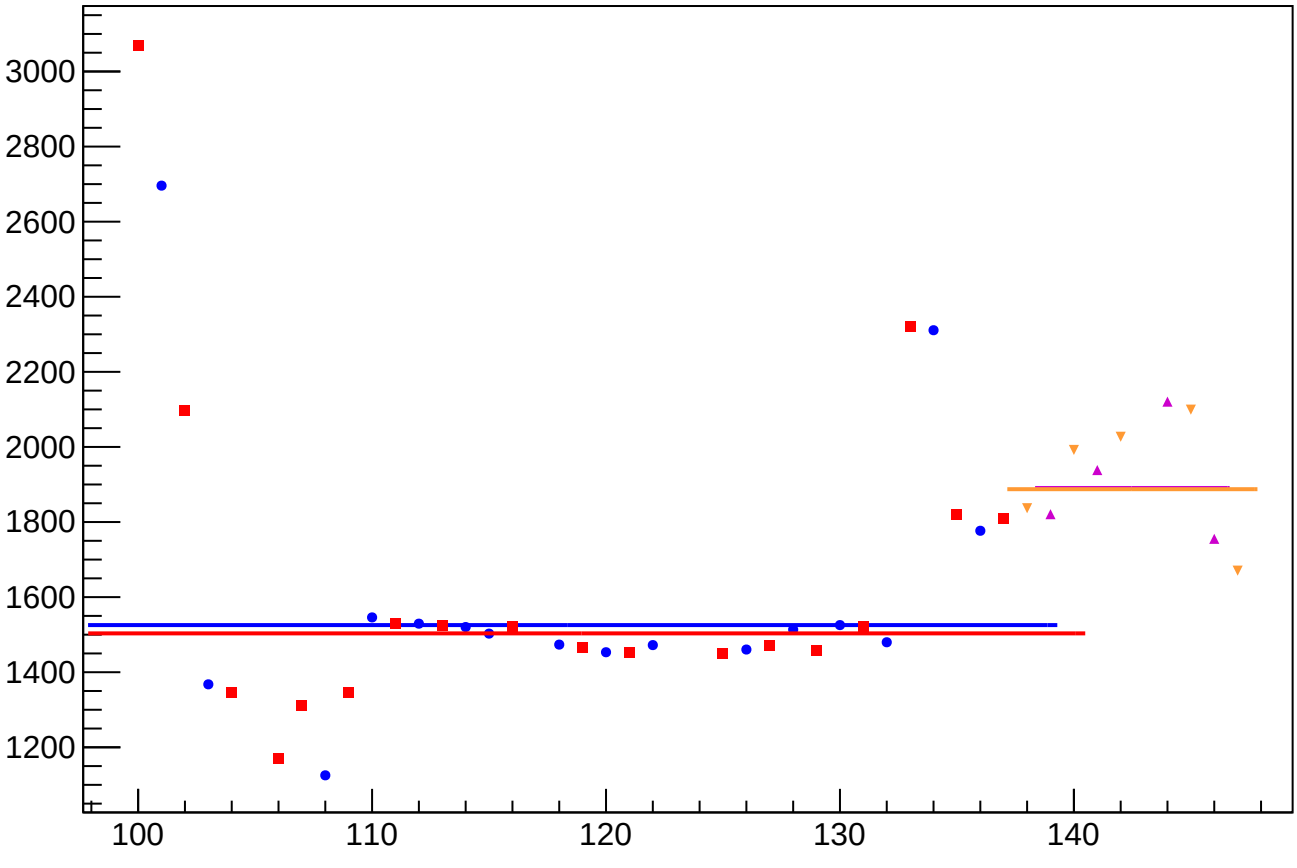
−5000
−10000
100
110
120
130
140
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 936.898+/-985.049 χ²/NDF:12.6/4
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1579.604+/-1009.096 χ²/NDF:1.3/3
Left: -291.011+/-704.883 χ²/NDF: 17.0/8
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -951.908+/-501.596 χ²/NDF:6.5/19
Out: -158.060+/-496.662 χ²/NDF:32.0/22
All: -551.060+/-352.925 χ²/NDF: 39.8/42



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1887.471+/-0.697 χ^2/NDF:54394.2/4

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1890.676+/-0.714 χ^2/NDF:35424.0/3

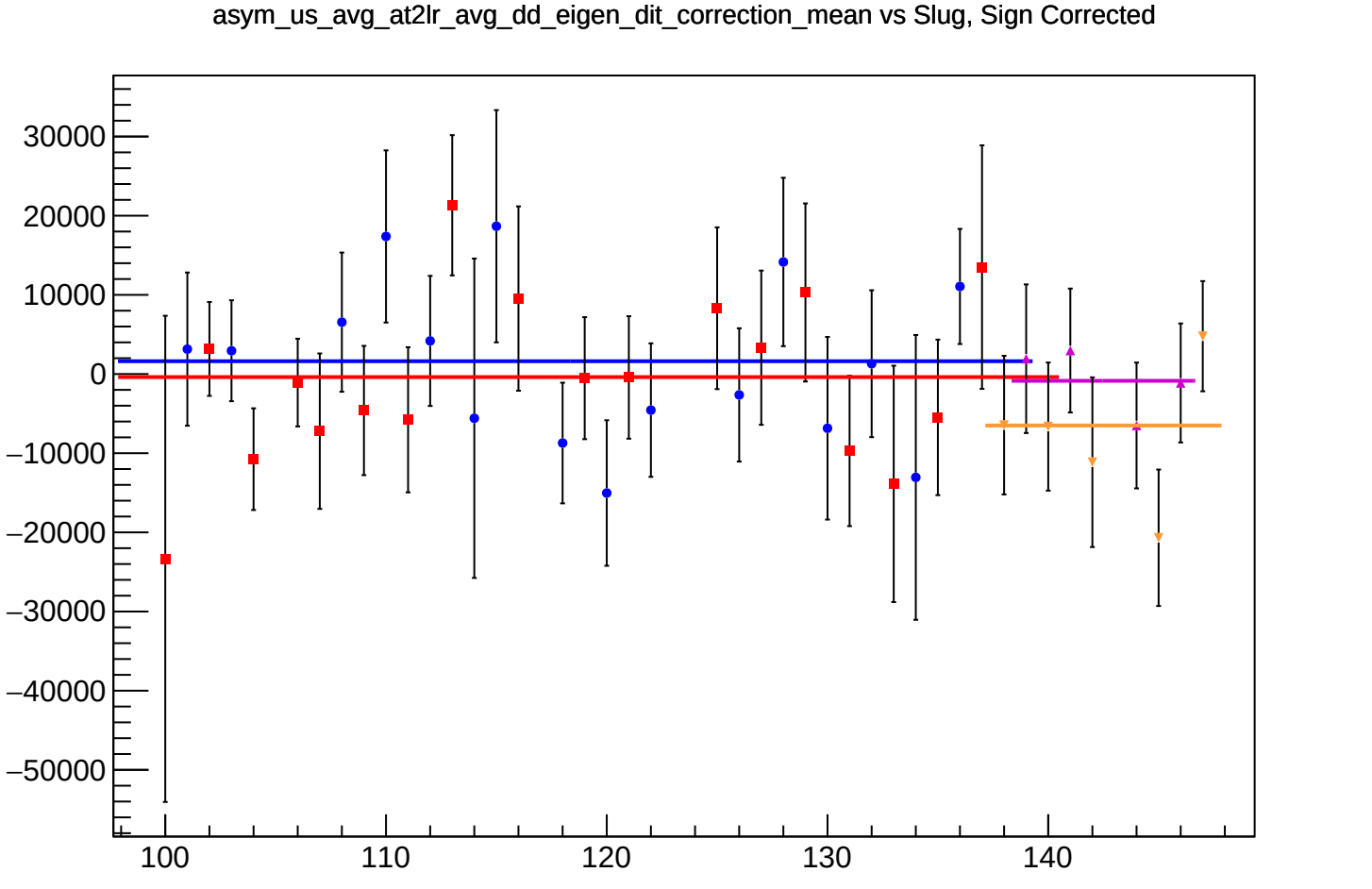
Left: 1889.035+/-0.498 χ^2/NDF: 89828.5/8

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1615.756+/-0.355 χ^2/NDF:720917.6/19

Out: 1601.021+/-0.351 χ^2/NDF:619646.3/22

All: 1608.314+/-0.250 χ^2/NDF: 1341435.6/42



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -6500.449+/-3748.831 χ^2/NDF:5.5/4

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -857.698+/-4041.651 χ^2/NDF:0.8/3

Left: -3890.867+/-2748.519 χ^2/NDF: 7.4/8

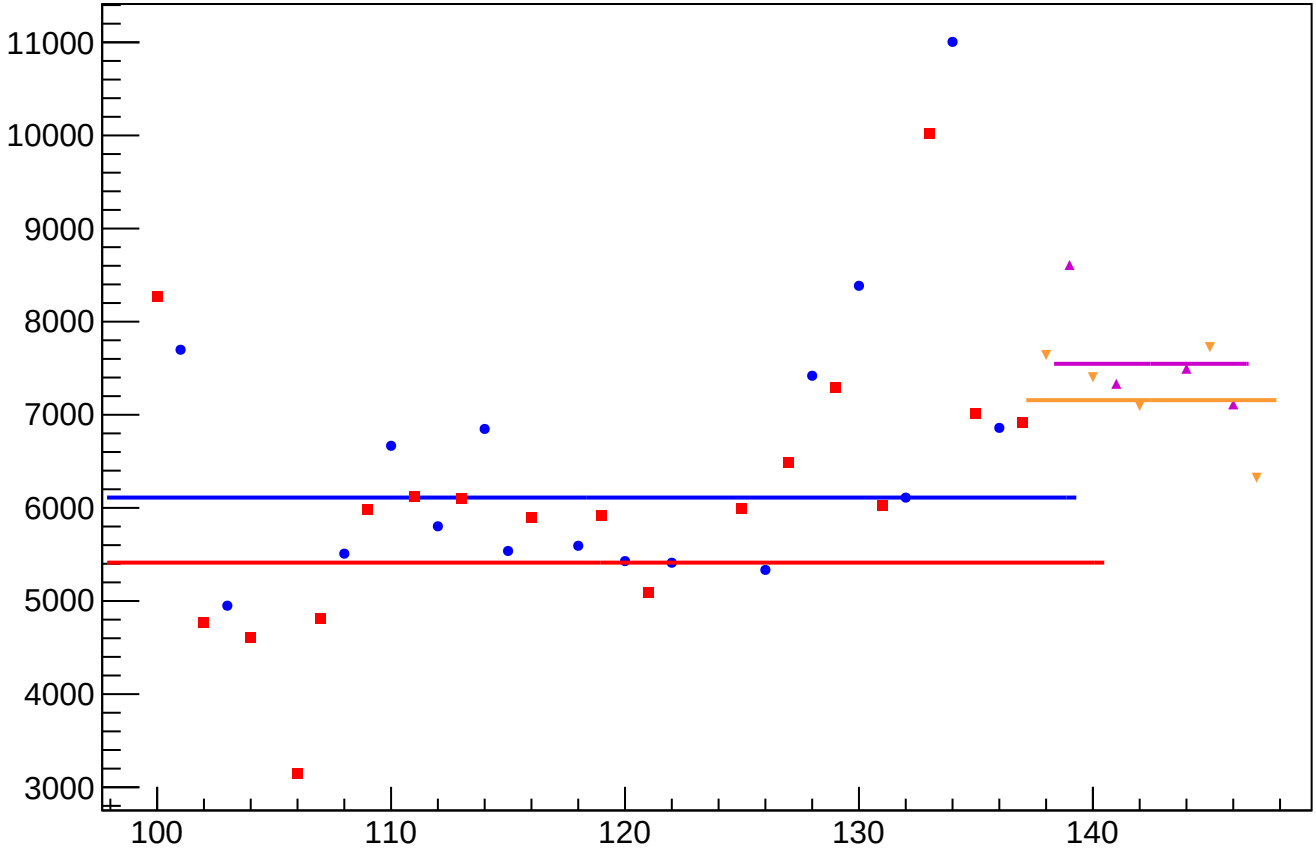
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 1005.948+/-2012.089 χ^2/NDF:15.4/19

Out: -1804.964+/-1805.963 χ^2/NDF:23.6/22

All: -550.820+/-1343.994 χ^2/NDF: 40.0/42

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: 7156.968+/-2.651 χ^2/NDF:45465.3/4

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7547.384+/-2.858 χ^2/NDF:33872.5/3

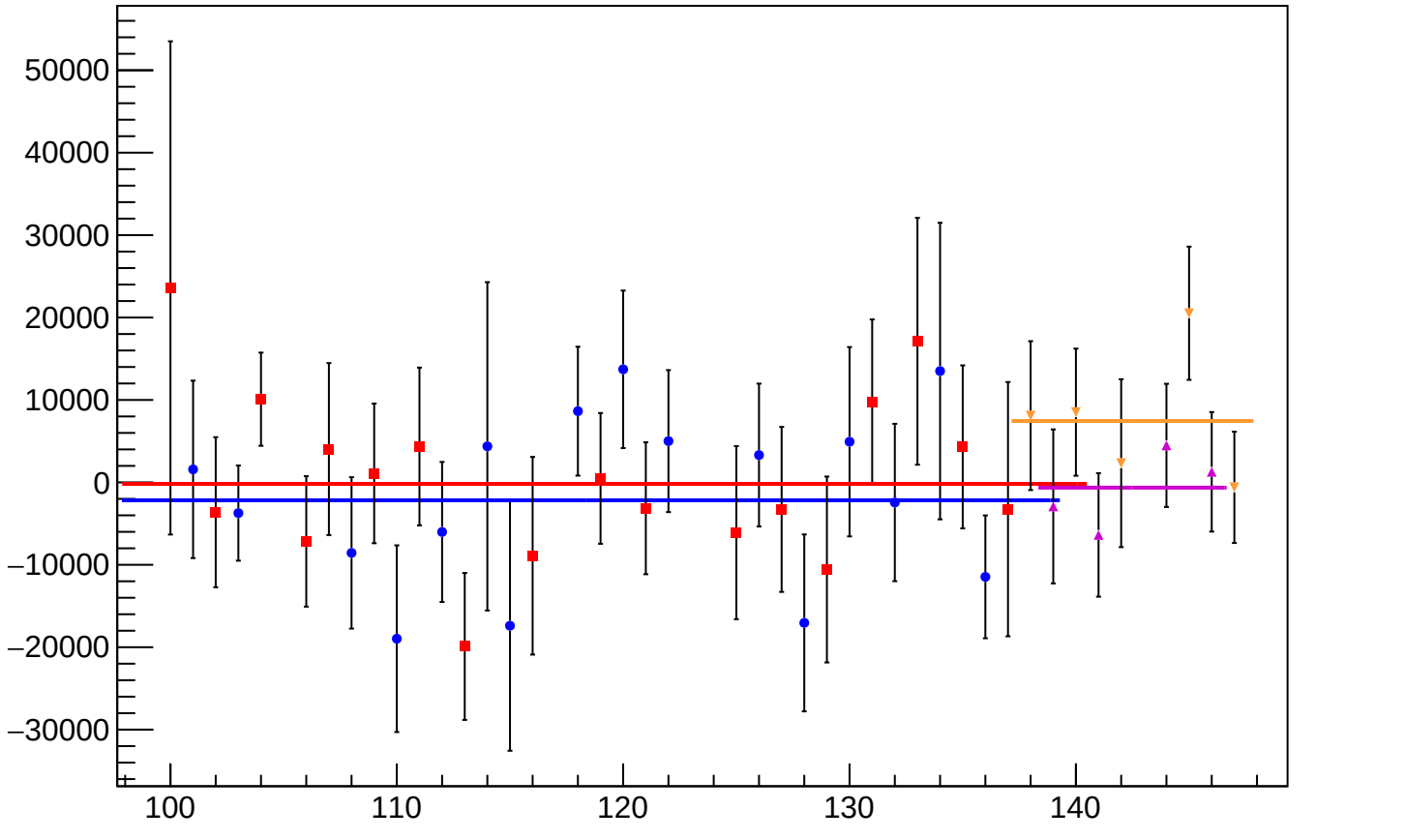
Left: 7337.522+/-1.943 χ^2/NDF: 89369.5/8

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6467.015+/-1.423 χ^2/NDF:695533.6/19

Out: 5817.164+/-1.277 χ^2/NDF:1199656.0/22

All: 6107.108+/-0.950 χ^2/NDF: 2010731.5/42



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 7448.345+/-3627.856 χ^2/NDF:4.3/4

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -637.907+/-3886.815 χ^2/NDF:1.2/3

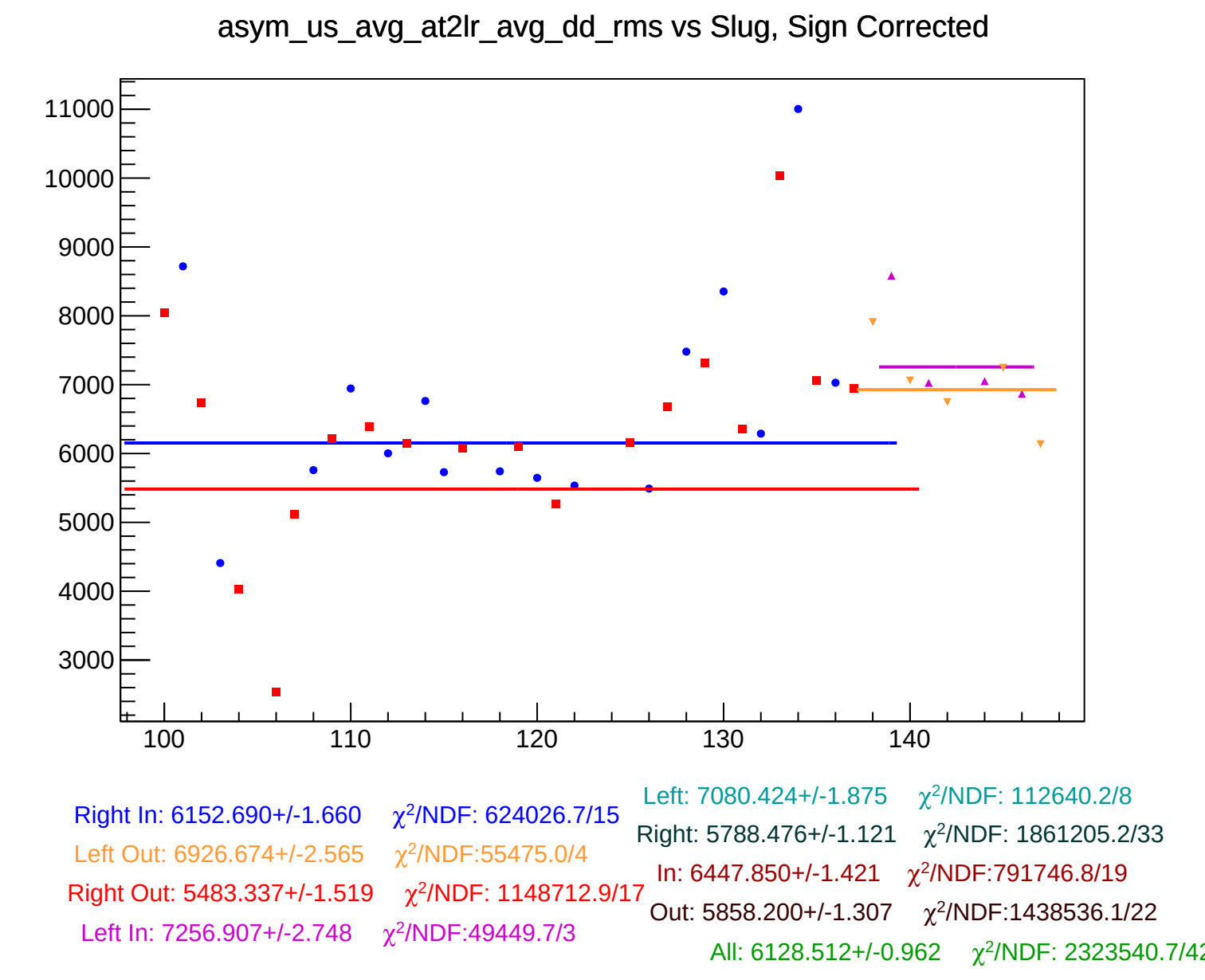
Left: 3683.544+/-2652.108 χ^2/NDF: 7.8/8

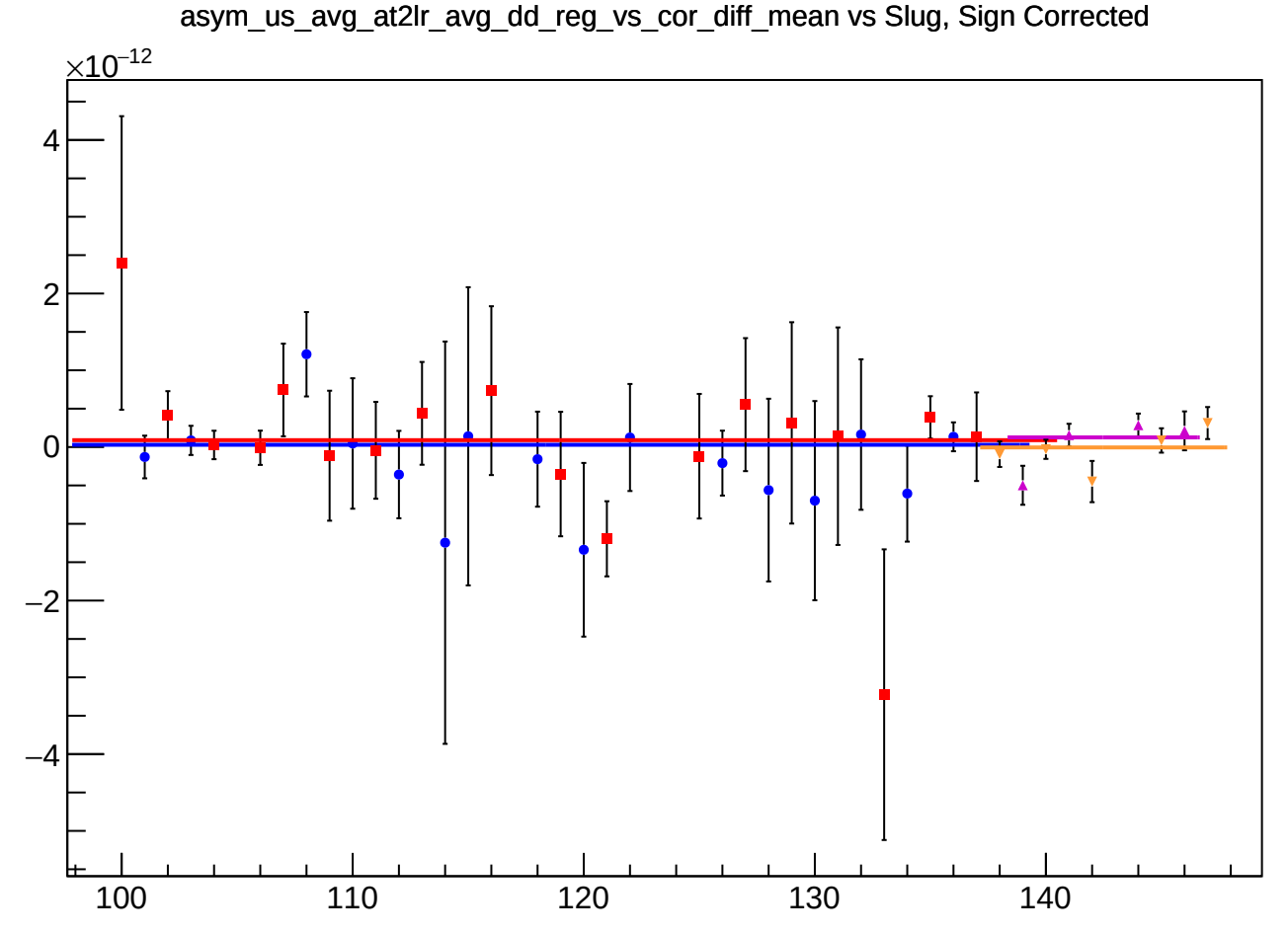
Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1763.429+/-2009.544 χ^2/NDF:15.9/19

Out: 1907.794+/-1899.097 χ^2/NDF:22.2/22

All: 175.837+/-1380.259 χ^2/NDF: 39.8/42


asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 6926.674+/-2.565 χ²/NDF:55475.0/4
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7256.907+/-2.748 χ²/NDF:49449.7/3
Left: 7080.424+/-1.875 χ²/NDF: 112640.2/8
Right: 5788.476+/-1.121 χ²/NDF: 1861205.2/33
In: 6447.850+/-1.421 χ²/NDF:791746.8/19
Out: 5858.200+/-1.307 χ²/NDF:1438536.1/22
All: 6128.512+/-0.962 χ²/NDF: 2323540.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/3

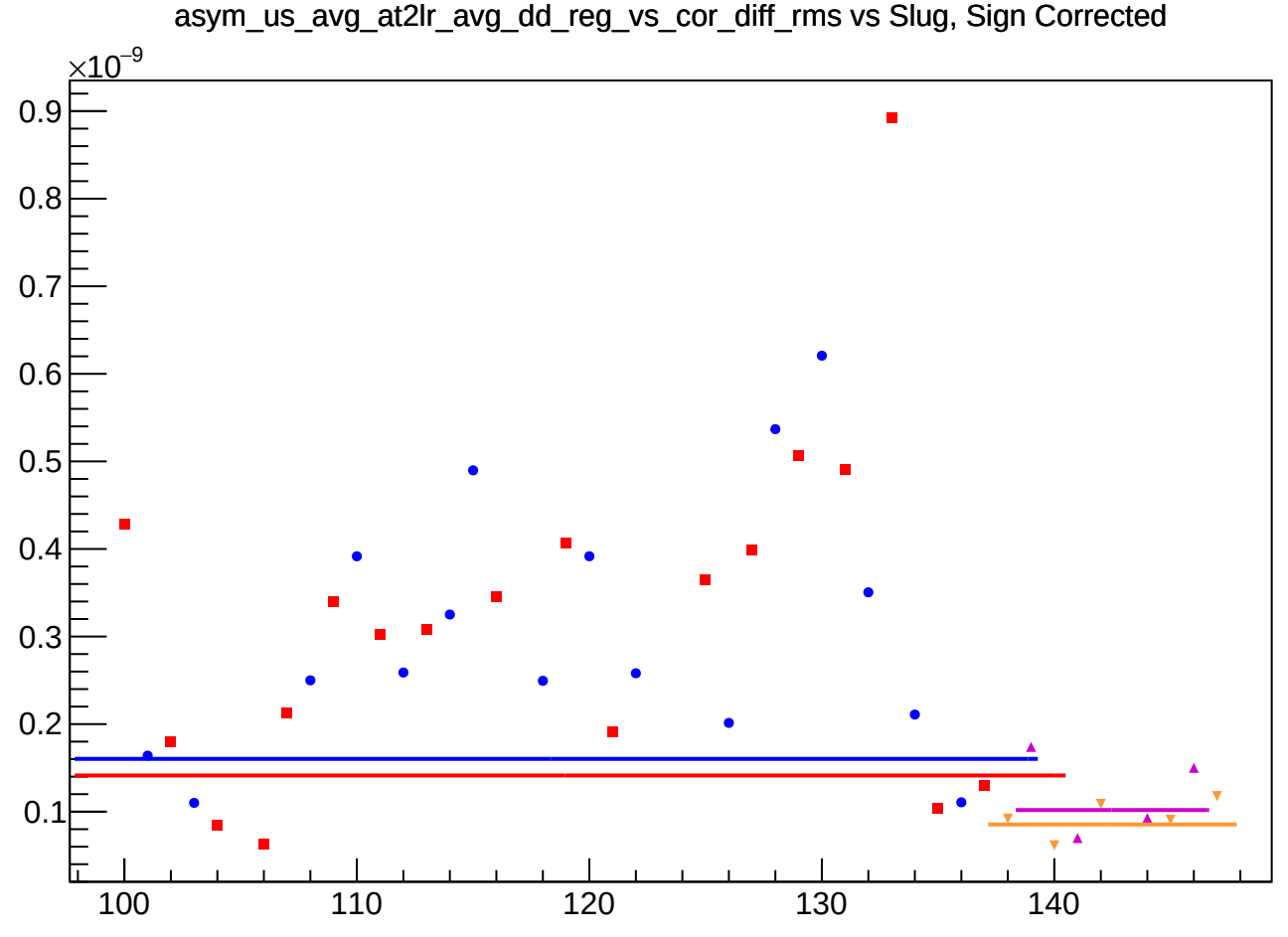
Left: 0.000+/-0.000 χ^2/NDF: 14.2/8

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:17.3/19

Out: 0.000+/-0.000 χ^2/NDF:22.7/22

All: 0.000+/-0.000 χ^2/NDF: 40.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:141905.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:334614.2/3

Left: 0.000+/-0.000 χ^2/NDF: 515473.9/8

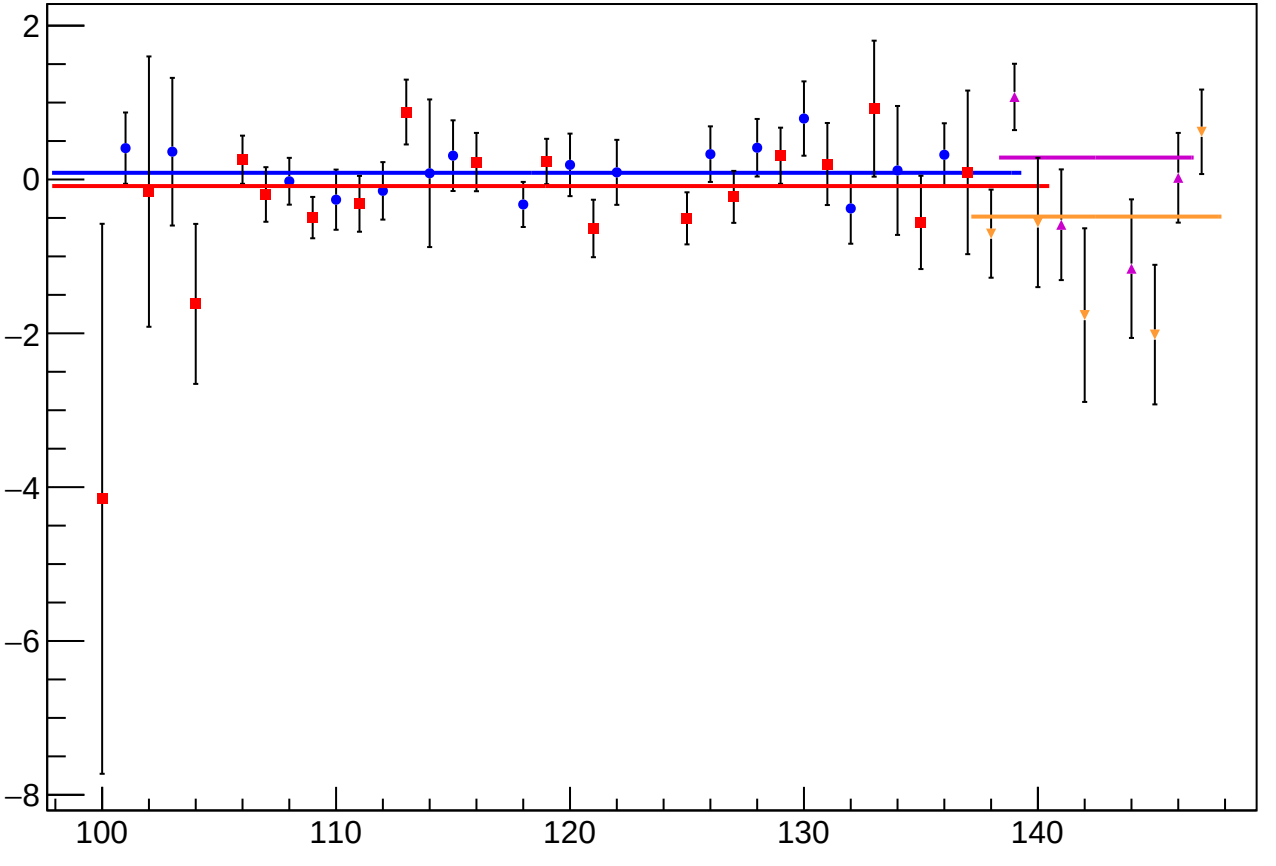
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2022995.0/19

Out: 0.000+/-0.000 χ^2/NDF:2695041.1/22

All: 0.000+/-0.000 χ^2/NDF: 4837462.1/42

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: -0.482+/-0.320 χ^2/NDF:8.3/4

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.285+/-0.295 χ^2/NDF:7.6/3

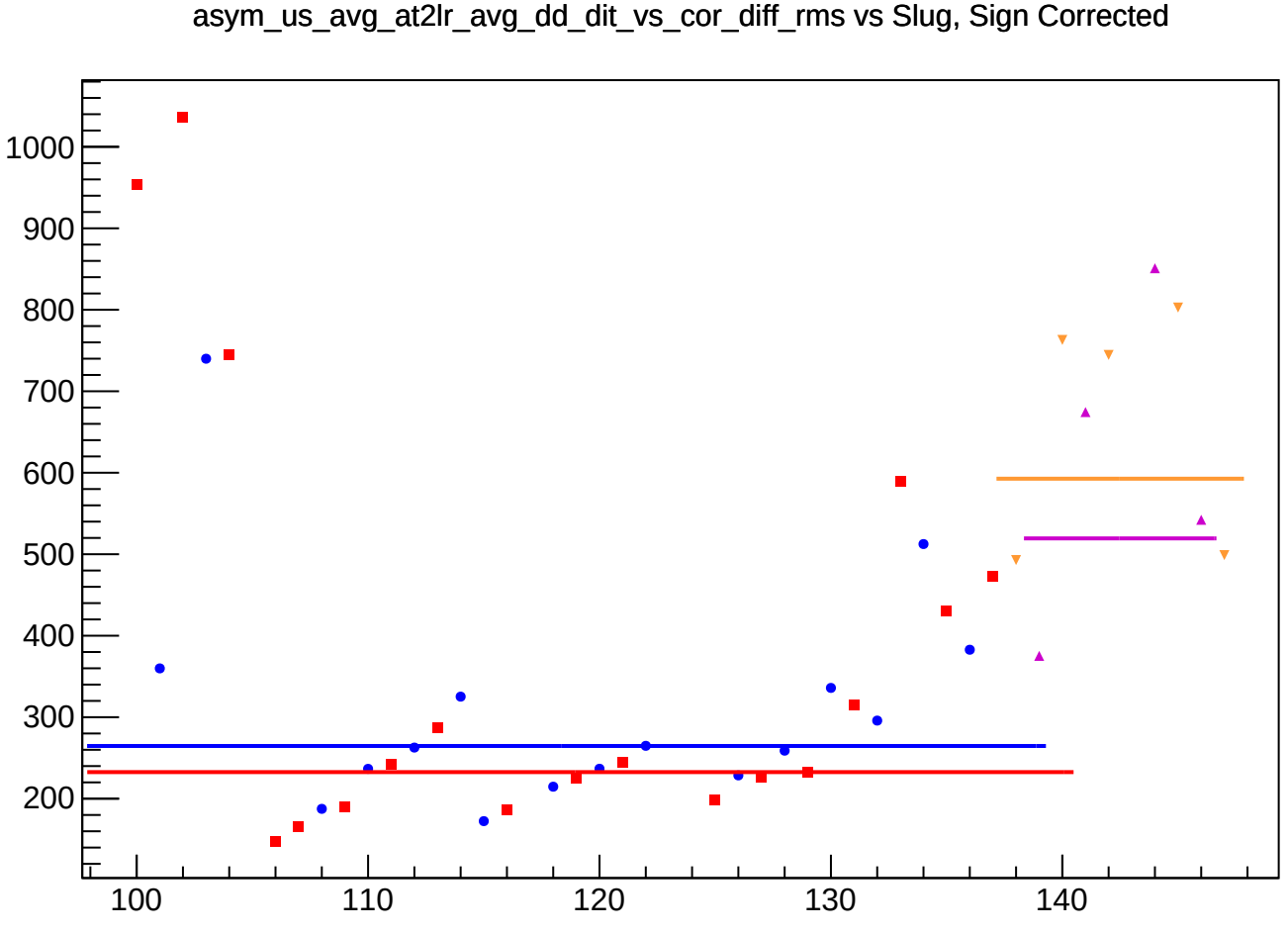
Left: -0.068+/-0.217 χ^2/NDF: 19.0/8

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

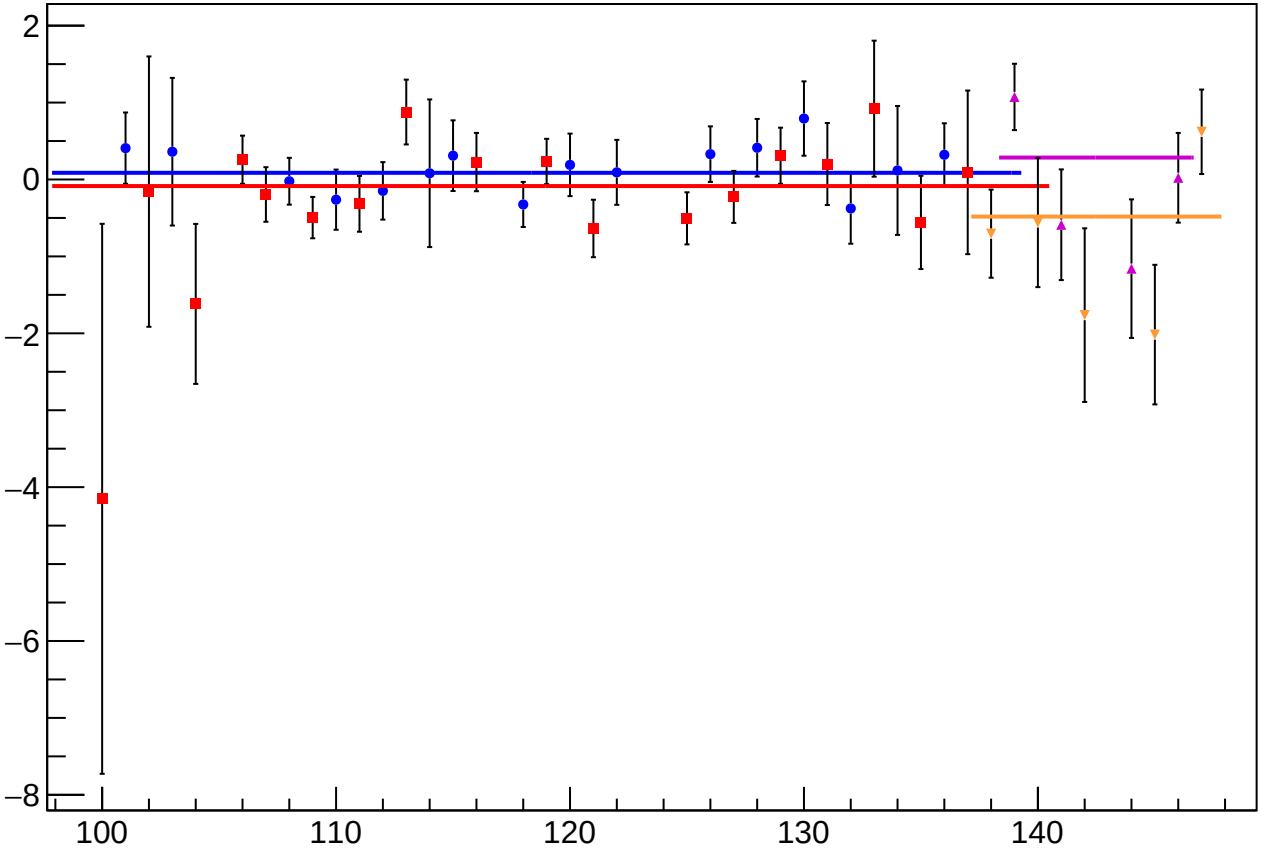
In: 0.109+/-0.099 χ^2/NDF:16.8/19

Out: -0.119+/-0.093 χ^2/NDF:31.6/22

All: -0.012+/-0.068 χ^2/NDF: 51.2/42


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
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 592.691+/-0.226 χ²/NDF:344655.1/4
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 519.421+/-0.209 χ²/NDF:590313.5/3
Left: 553.125+/-0.153 χ²/NDF: 991666.5/8
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 293.325+/-0.070 χ²/NDF:3196724.4/19
Out: 263.129+/-0.066 χ²/NDF:4698279.1/22
All: 277.305+/-0.048 χ²/NDF: 7993731.8/42

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: -0.482+/-0.320 χ^2/NDF:8.3/4

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.285+/-0.295 χ^2/NDF:7.6/3

Left: -0.068+/-0.217 χ^2/NDF: 19.0/8

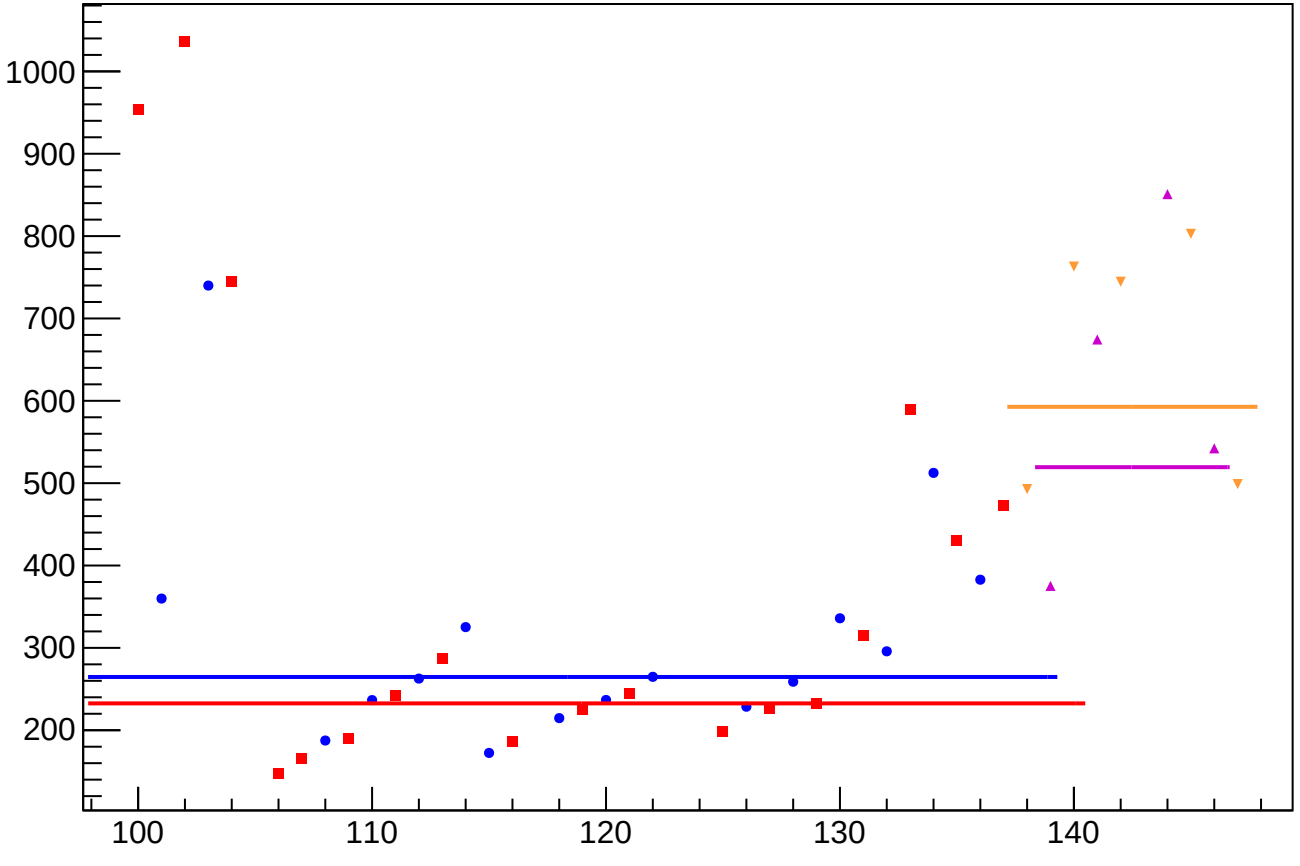
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.109+/-0.099 χ^2/NDF:16.8/19

Out: -0.119+/-0.093 χ^2/NDF:31.6/22

All: -0.012+/-0.068 χ^2/NDF: 51.2/42

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: 592.691+/-0.226 χ^2/NDF:344655.1/4

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 519.421+/-0.209 χ^2/NDF:590313.5/3

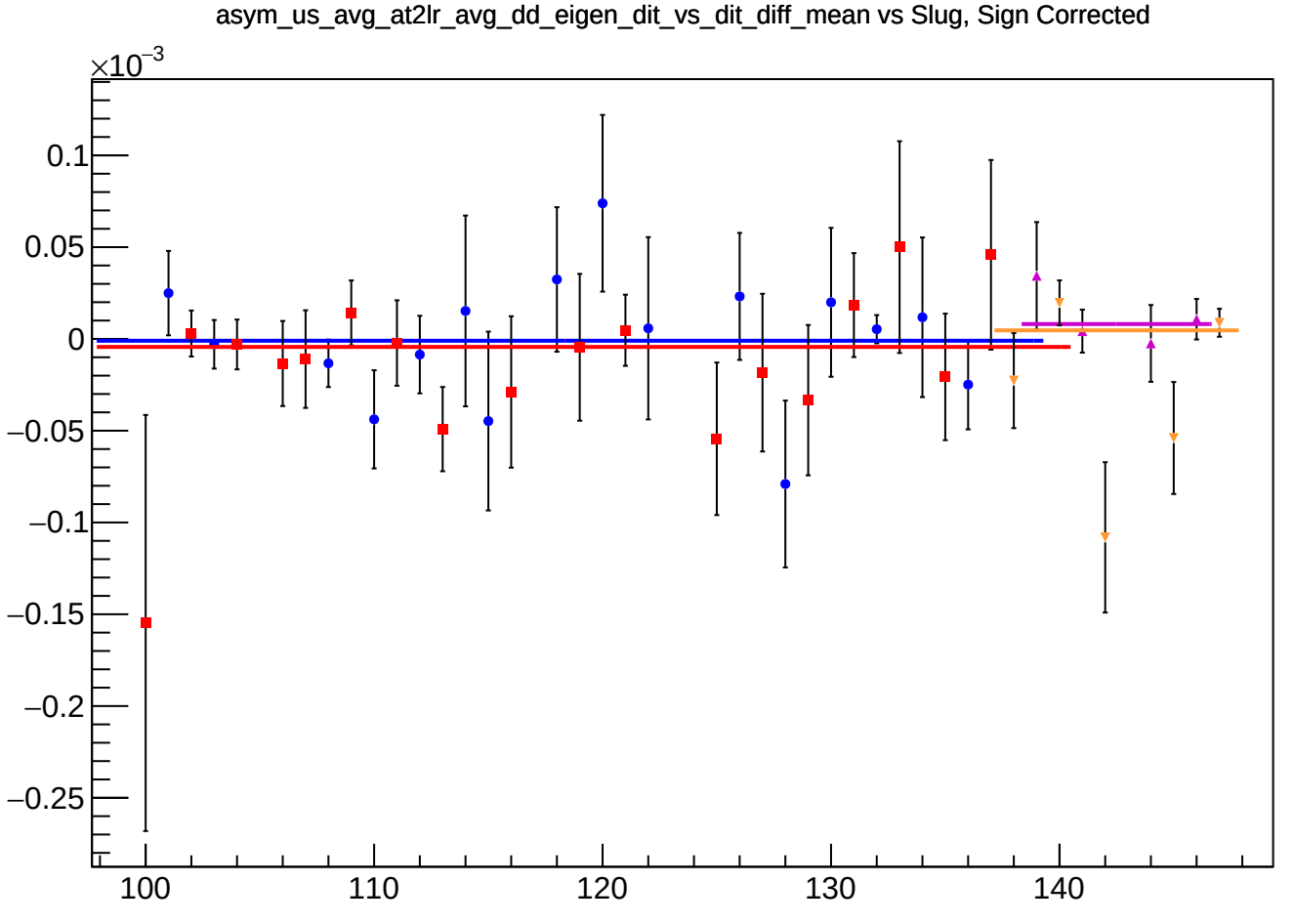
Left: 553.125+/-0.153 χ^2/NDF: 991666.5/8

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

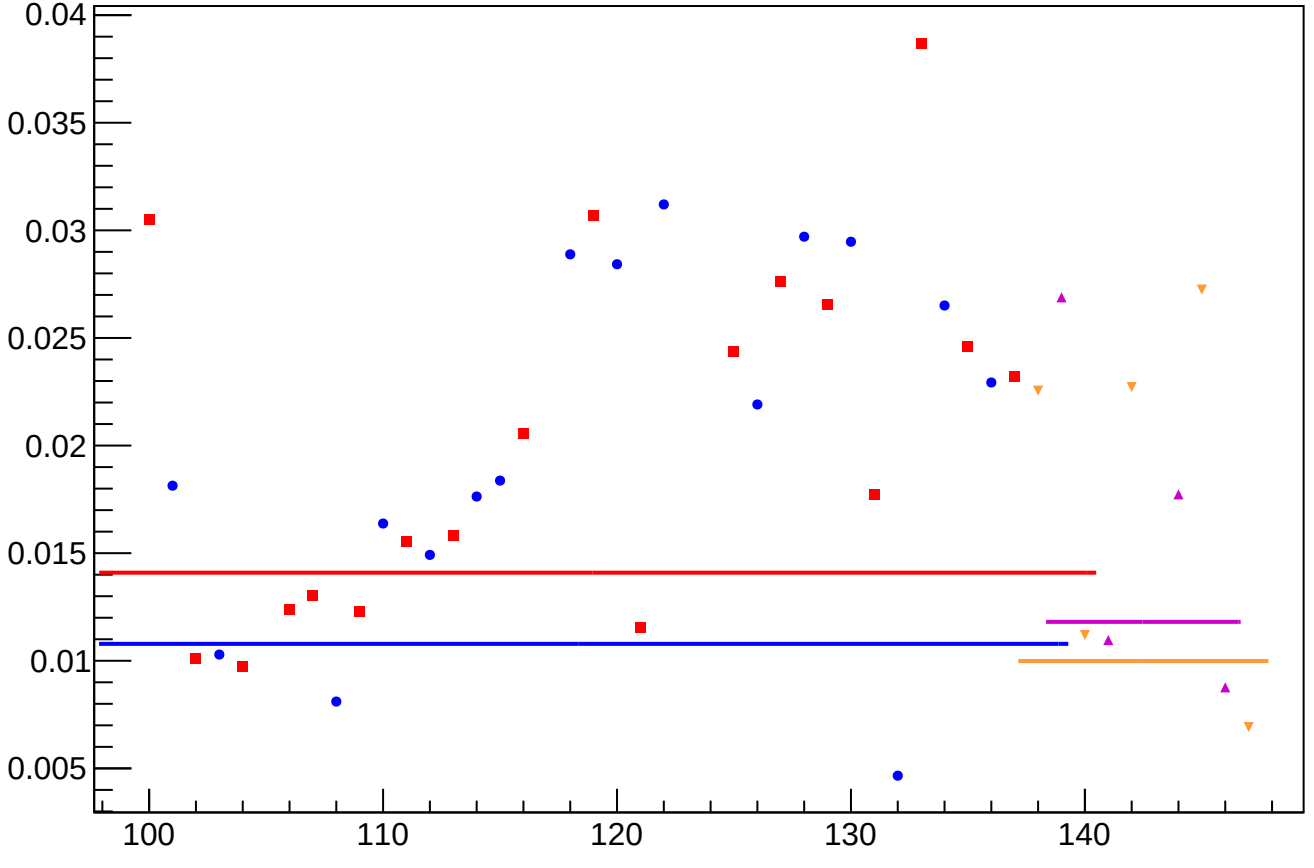
In: 293.325+/-0.070 χ^2/NDF:3196724.4/19

Out: 263.129+/-0.066 χ^2/NDF:4698279.1/22

All: 277.305+/-0.048 χ^2/NDF: 7993731.8/42


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
Right In: -0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:14.2/4
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:1.2/3
Left: 0.000+/-0.000 χ²/NDF: 15.6/8
Right: -0.000+/-0.000 χ²/NDF: 27.2/33
In: 0.000+/-0.000 χ²/NDF:16.7/19
Out: -0.000+/-0.000 χ²/NDF:27.9/22
All: 0.000+/-0.000 χ²/NDF: 44.7/42

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:1648845.2/4

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.012+/-0.000 χ^2/NDF:854148.9/3

Left: 0.011+/-0.000 χ^2/NDF: 2576990.7/8

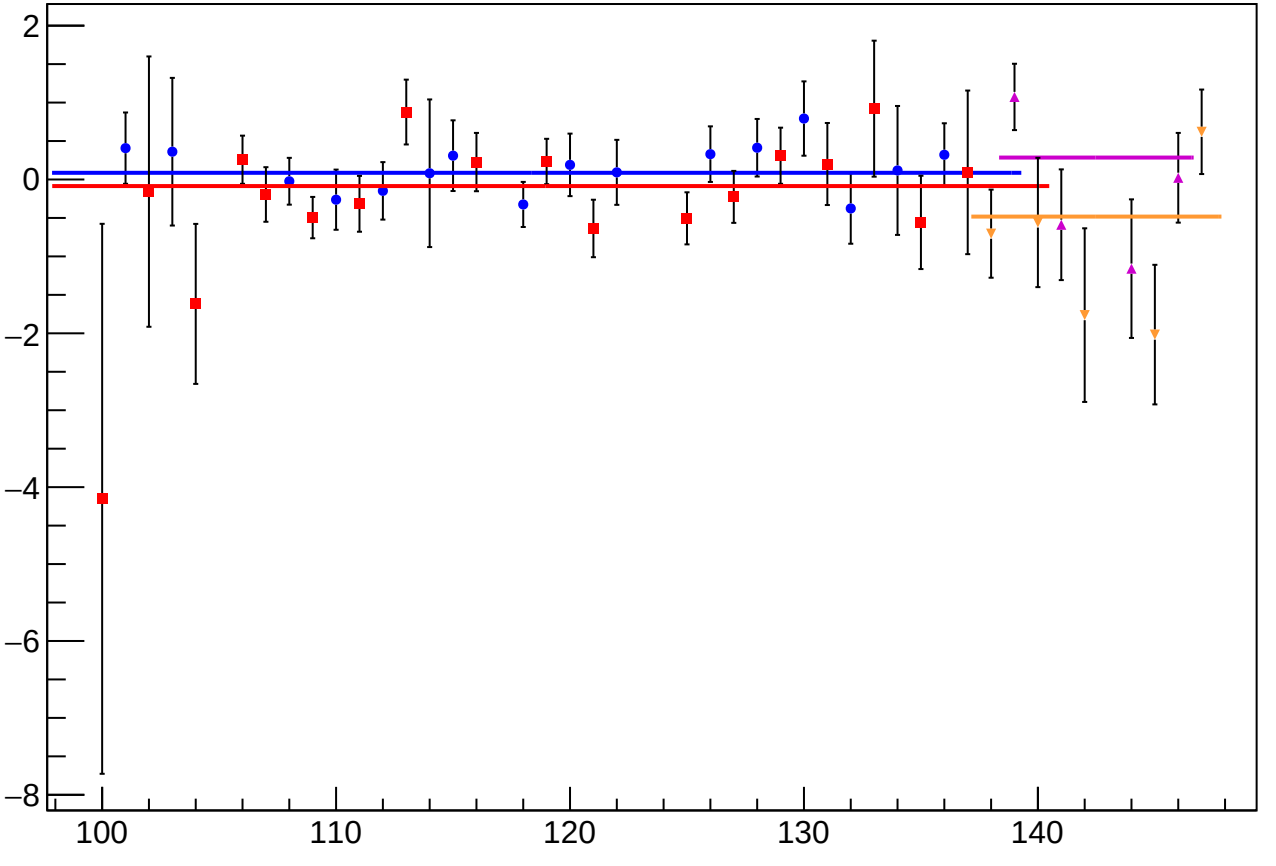
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:5461223.4/19

Out: 0.012+/-0.000 χ^2/NDF:4217436.4/22

All: 0.012+/-0.000 χ^2/NDF: 9743135.8/42

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: -0.482+/-0.320 χ^2/NDF:8.3/4

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.285+/-0.295 χ^2/NDF:7.6/3

Left: -0.068+/-0.217 χ^2/NDF: 19.0/8

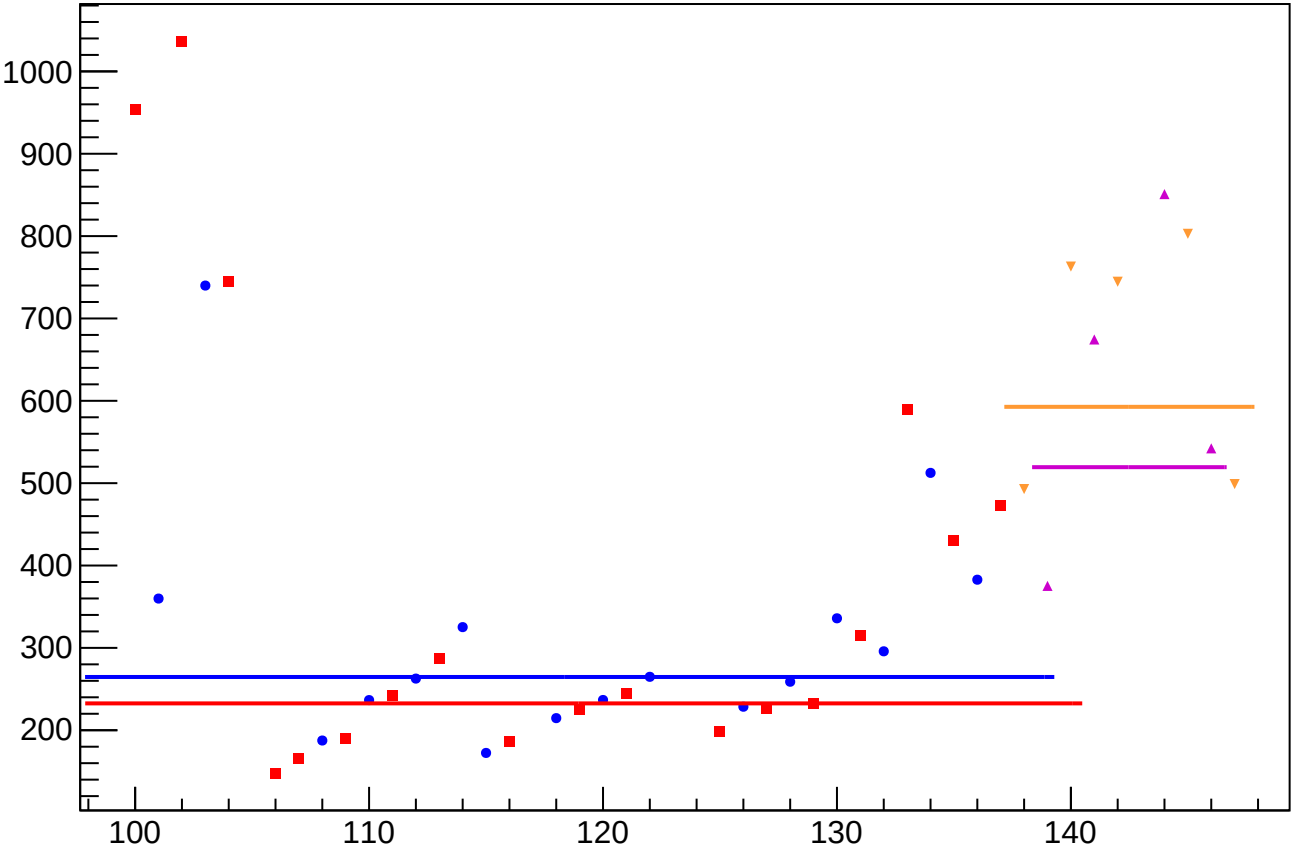
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.109+/-0.099 χ^2/NDF:16.8/19

Out: -0.119+/-0.093 χ^2/NDF:31.6/22

All: -0.012+/-0.068 χ^2/NDF: 51.2/42

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: 592.697+/-0.226 χ^2/NDF:344657.9/4

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 519.430+/-0.209 χ^2/NDF:590291.1/3

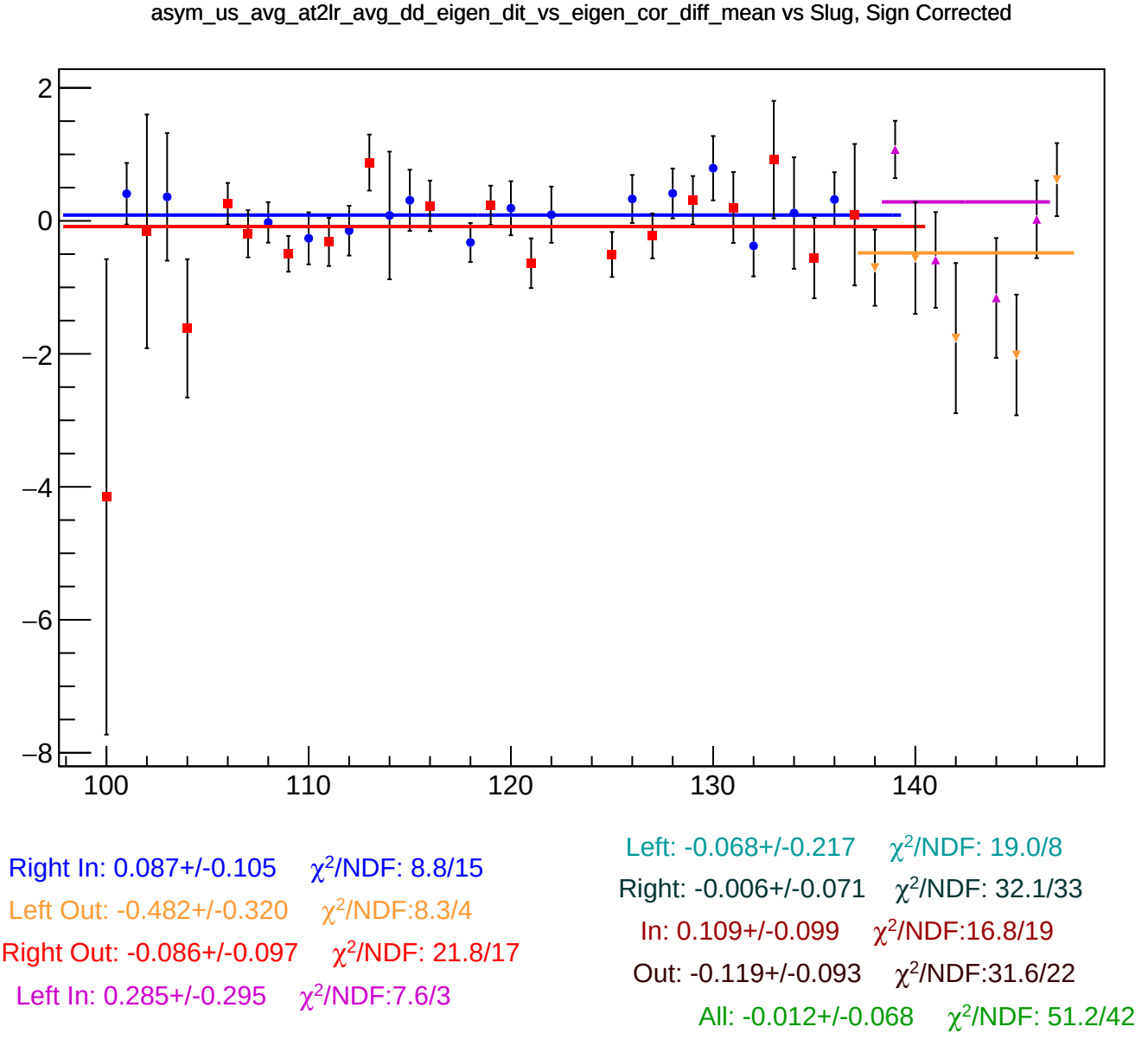
Left: 553.133+/-0.153 χ^2/NDF: 991641.2/8

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

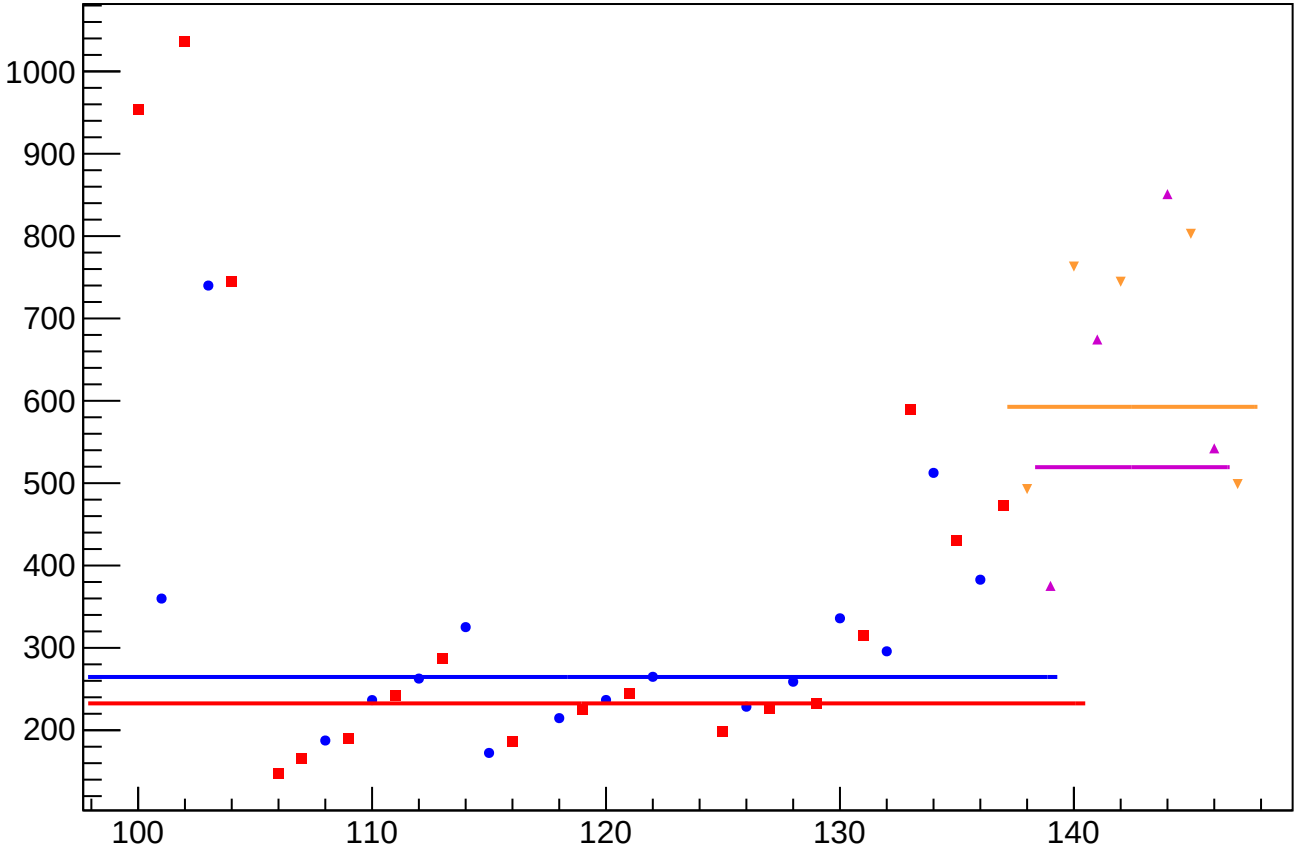
In: 293.325+/-0.070 χ^2/NDF:3196731.5/19

Out: 263.130+/-0.066 χ^2/NDF:4698301.7/22

All: 277.305+/-0.048 χ^2/NDF: 7993756.6/42


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
Right In: 0.087+/-0.105 χ²/NDF: 8.8/15
Left Out: -0.482+/-0.320 χ²/NDF:8.3/4
Right Out: -0.086+/-0.097 χ²/NDF: 21.8/17
Left In: 0.285+/-0.295 χ²/NDF:7.6/3
Left: -0.068+/-0.217 χ²/NDF: 19.0/8
Right: -0.006+/-0.071 χ²/NDF: 32.1/33
In: 0.109+/-0.099 χ²/NDF:16.8/19
Out: -0.119+/-0.093 χ²/NDF:31.6/22
All: -0.012+/-0.068 χ²/NDF: 51.2/42

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: 592.697+/-0.226 χ^2/NDF:344657.9/4

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 519.430+/-0.209 χ^2/NDF:590291.1/3

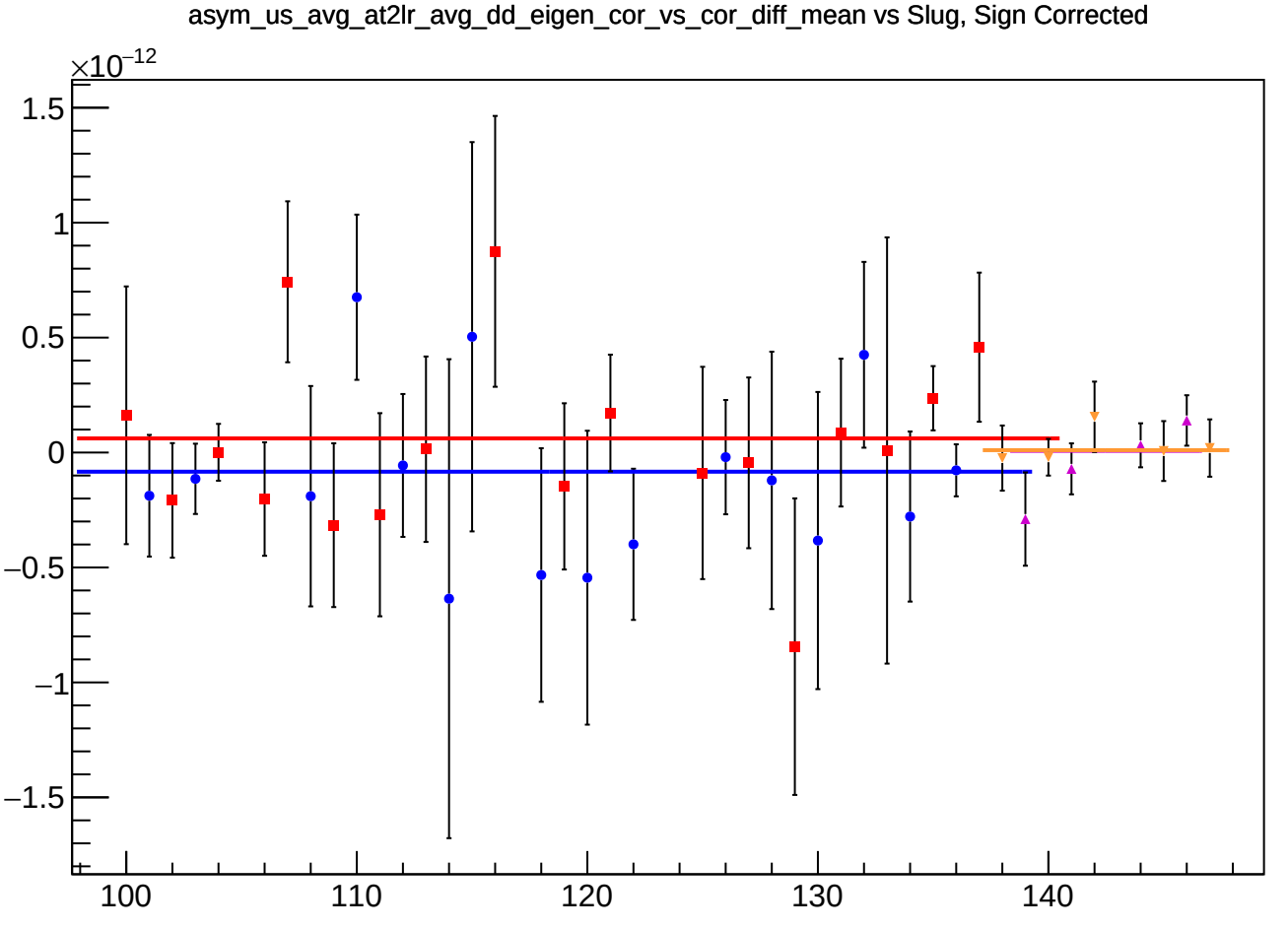
Left: 553.133+/-0.153 χ^2/NDF: 991641.2/8

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 293.325+/-0.070 χ^2/NDF:3196731.5/19

Out: 263.130+/-0.066 χ^2/NDF:4698301.7/22

All: 277.305+/-0.048 χ^2/NDF: 7993756.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:4.1/3

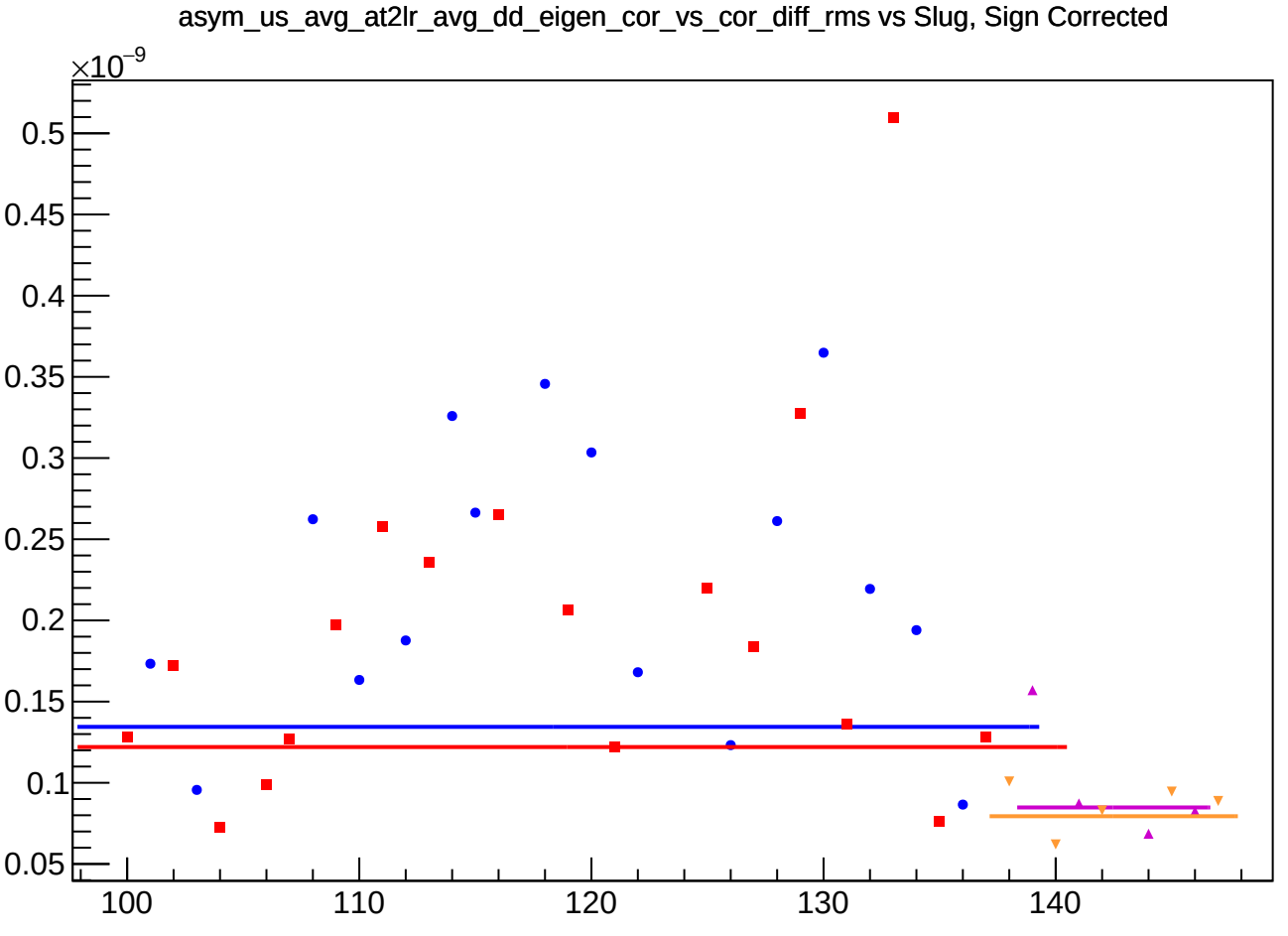
Left: 0.000+/-0.000 χ^2/NDF: 5.3/8

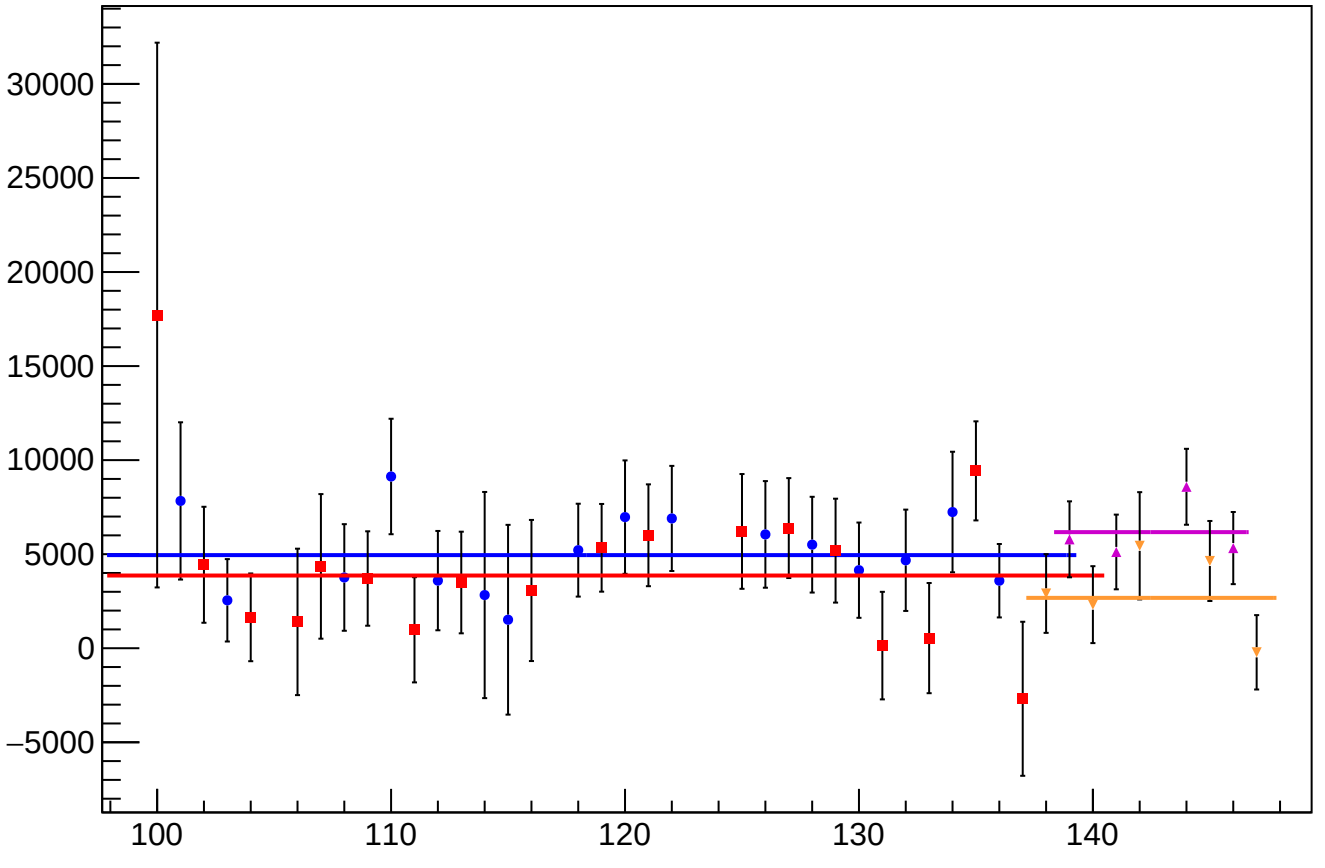
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: -0.000+/-0.000 χ^2/NDF:14.9/19

Out: 0.000+/-0.000 χ^2/NDF:17.2/22

All: 0.000+/-0.000 χ^2/NDF: 33.1/42


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:179788.1/4
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:312292.9/3
Left: 0.000+/-0.000 χ²/NDF: 501782.2/8
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:2733847.4/19
Out: 0.000+/-0.000 χ²/NDF:2714057.1/22
All: 0.000+/-0.000 χ²/NDF: 5495264.6/42



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2677.245+/-967.899 χ^2/NDF:4.0/4

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 6172.079+/-991.961 χ^2/NDF:1.9/3

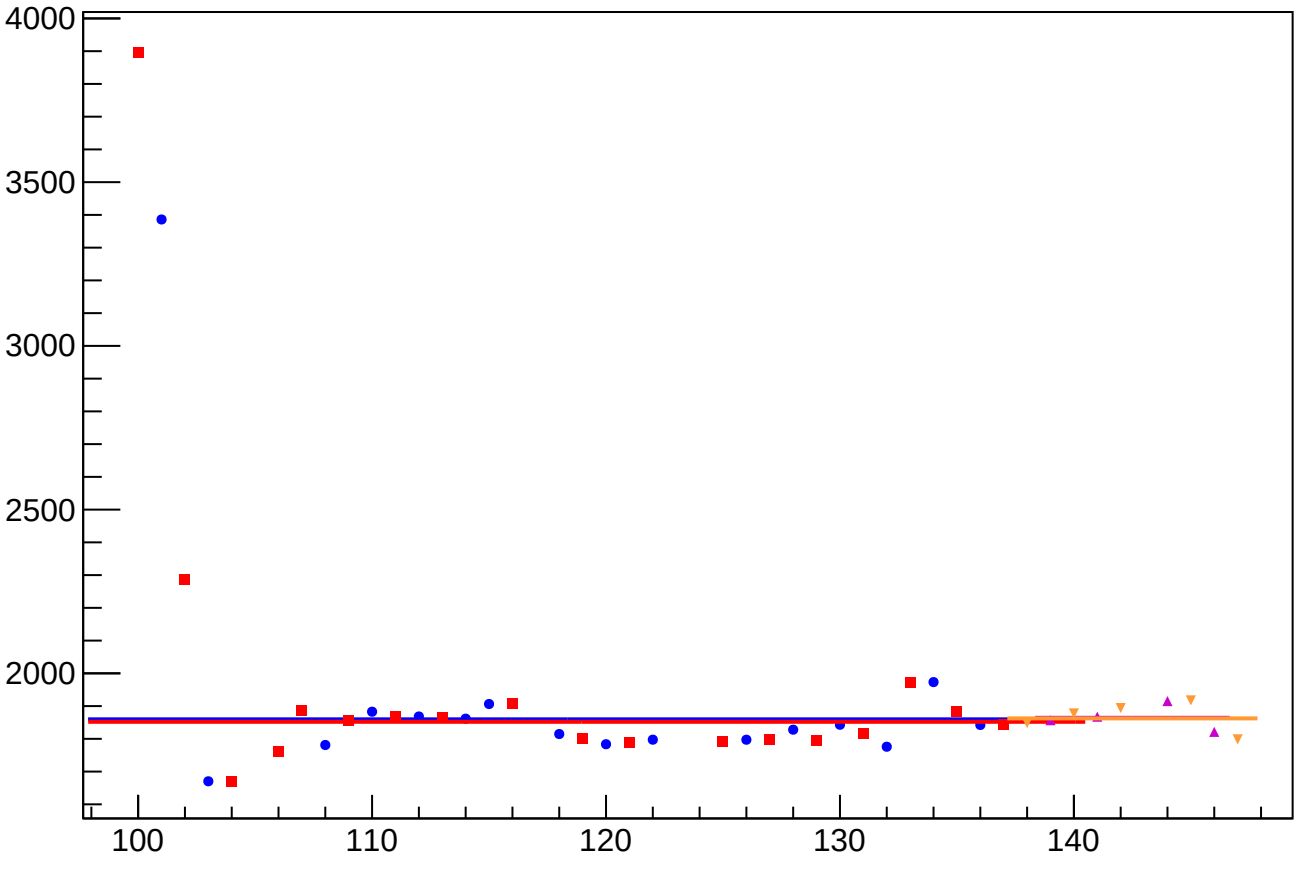
Left: 4381.761+/-692.758 χ^2/NDF: 12.3/8

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 5355.648+/-571.353 χ^2/NDF:9.8/19

Out: 3460.430+/-564.956 χ^2/NDF:21.1/22

All: 4397.369+/-401.727 χ^2/NDF: 36.5/42



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1862.447+/-0.684 χ^2/NDF:3881.8/4

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

Left: 1863.287+/-0.490 χ^2/NDF: 6198.7/8

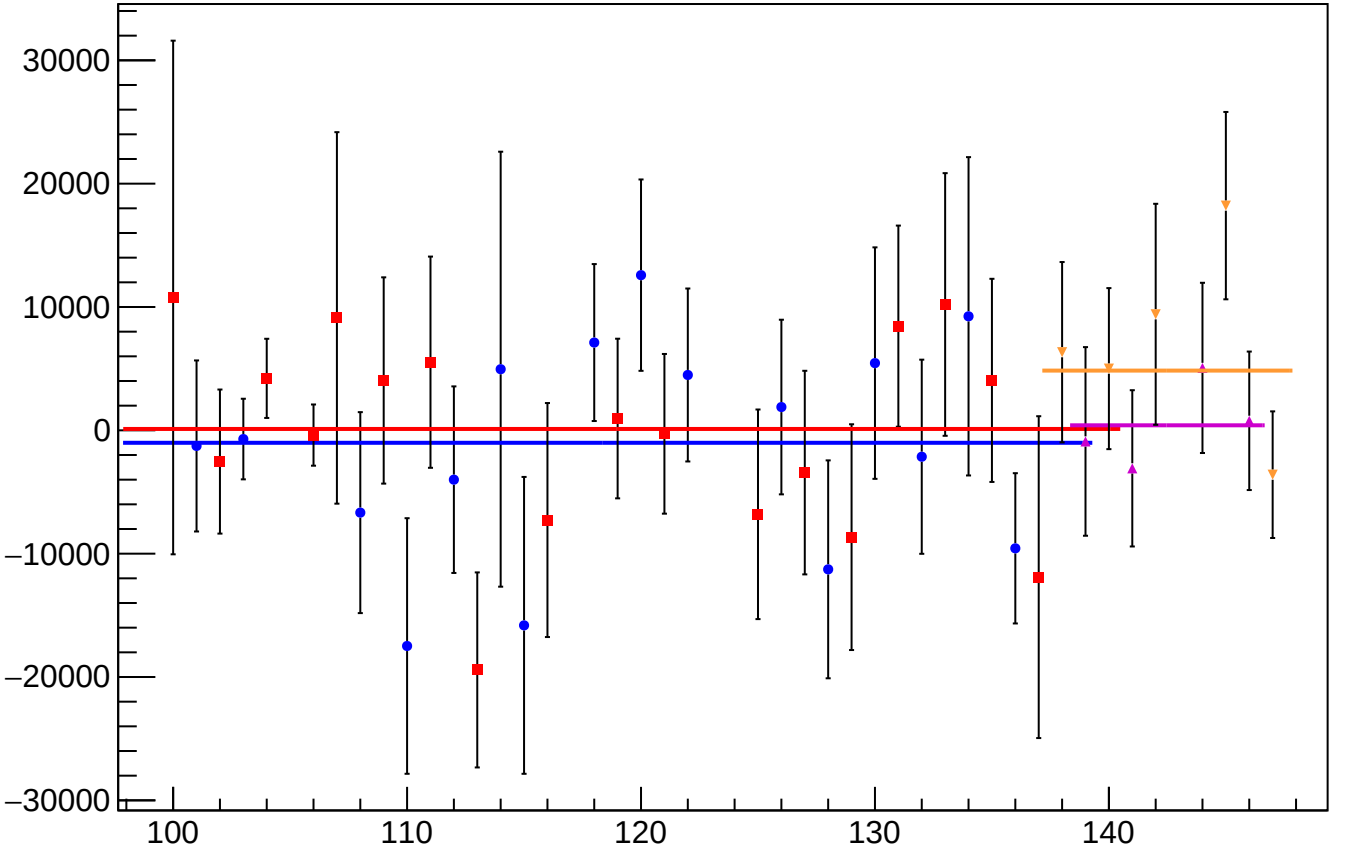
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1861.056+/-0.404 χ^2/NDF:294677.8/19

Out: 1855.588+/-0.399 χ^2/NDF:106246.4/22

All: 1858.285+/-0.284 χ^2/NDF: 401017.0/42

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: 4844.027+/-3016.410 χ^2/NDF:6.1/4

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 407.682+/-3248.720 χ^2/NDF:0.8/3

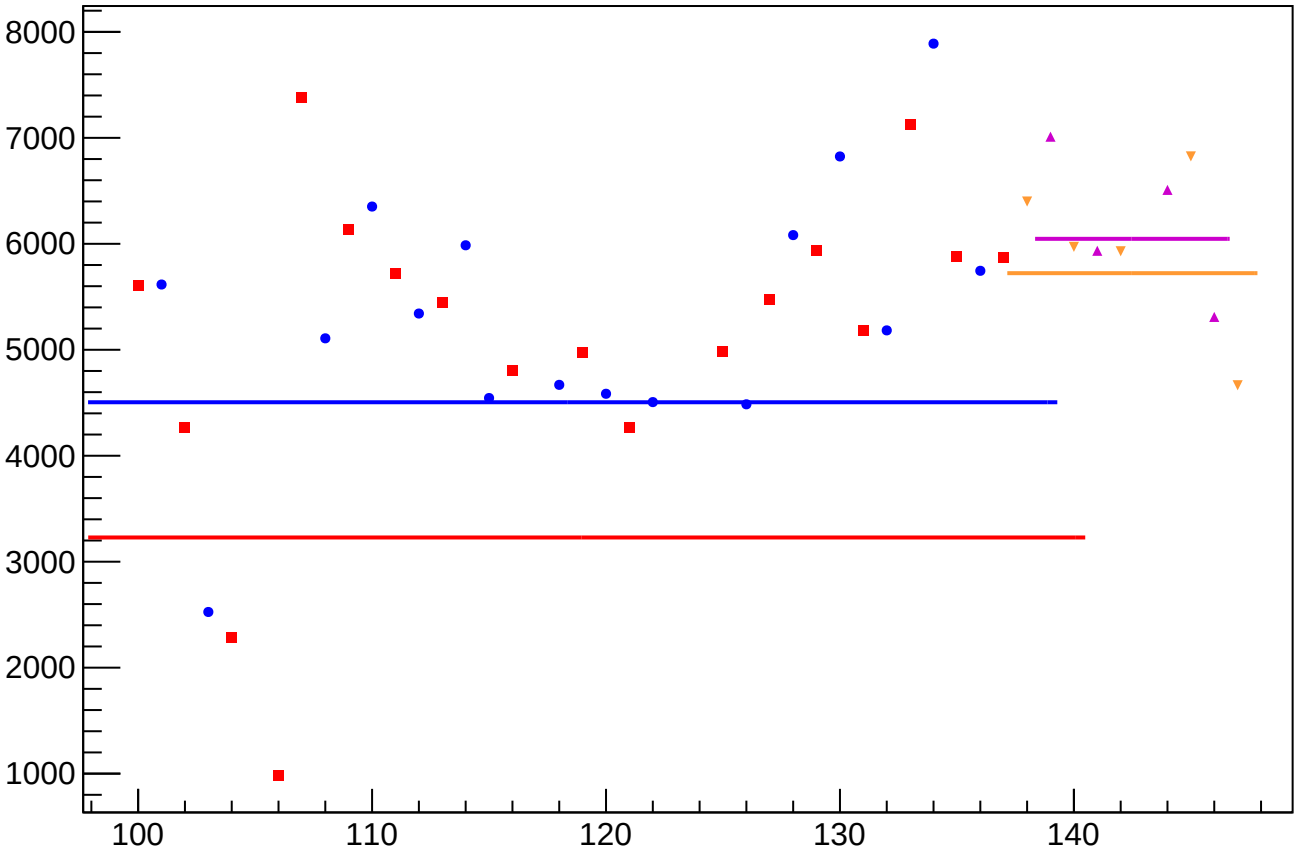
Left: 2790.128+/-2210.493 χ^2/NDF: 7.9/8

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -687.367+/-1550.338 χ^2/NDF:15.7/19

Out: 988.194+/-1298.422 χ^2/NDF:22.7/22

All: 297.433+/-995.428 χ^2/NDF: 39.1/42



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5722.980+/-2.133 χ^2/NDF:148081.8/4

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6047.059+/-2.297 χ^2/NDF:75839.0/3

Left: 5873.019+/-1.563 χ^2/NDF: 234609.0/8

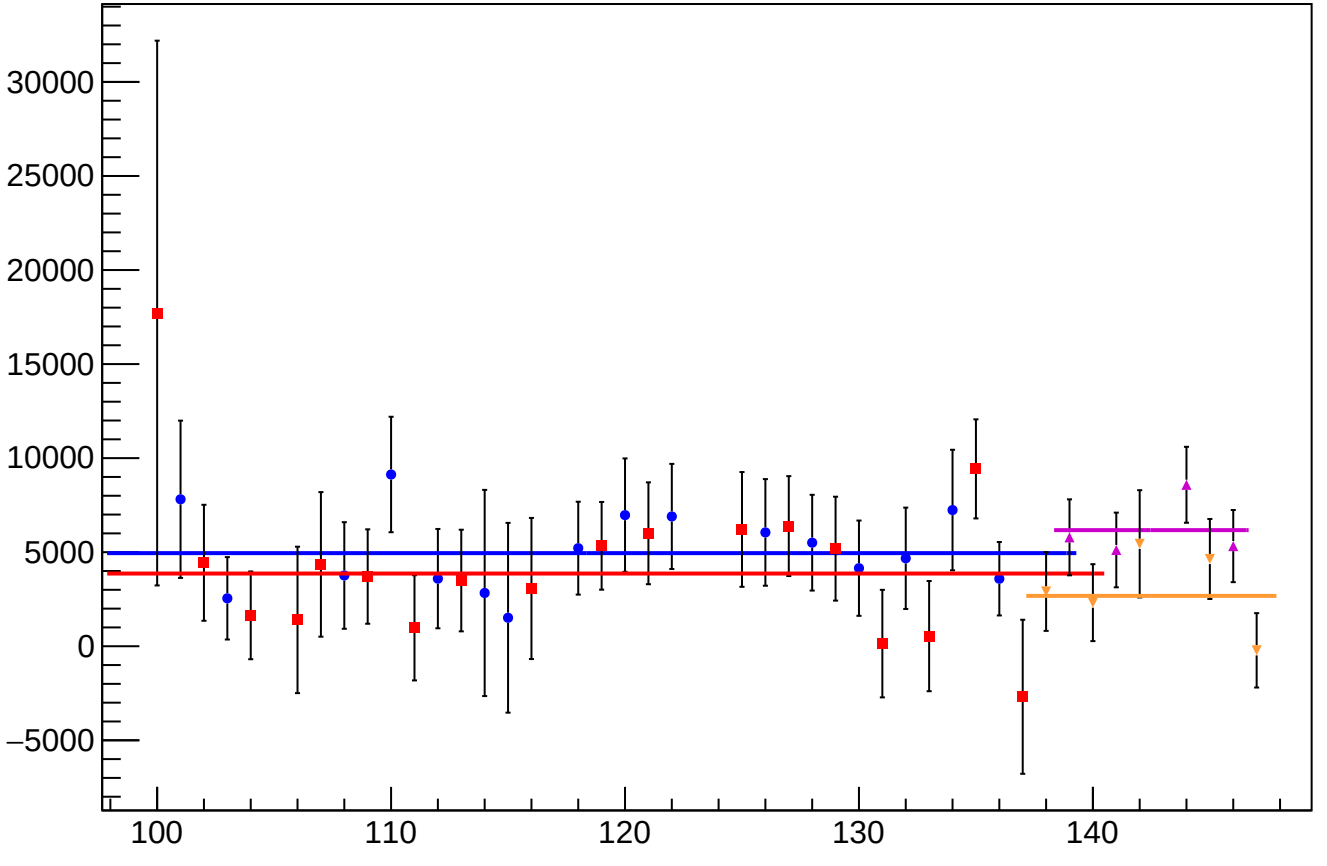
Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4856.016+/-1.096 χ^2/NDF:1745035.5/19

Out: 3690.787+/-0.918 χ^2/NDF:5218712.0/22

All: 4171.160+/-0.704 χ^2/NDF: 7627777.5/42

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: 2677.234+/-967.899 χ^2/NDF:4.0/4

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 6172.367+/-991.961 χ^2/NDF:1.9/3

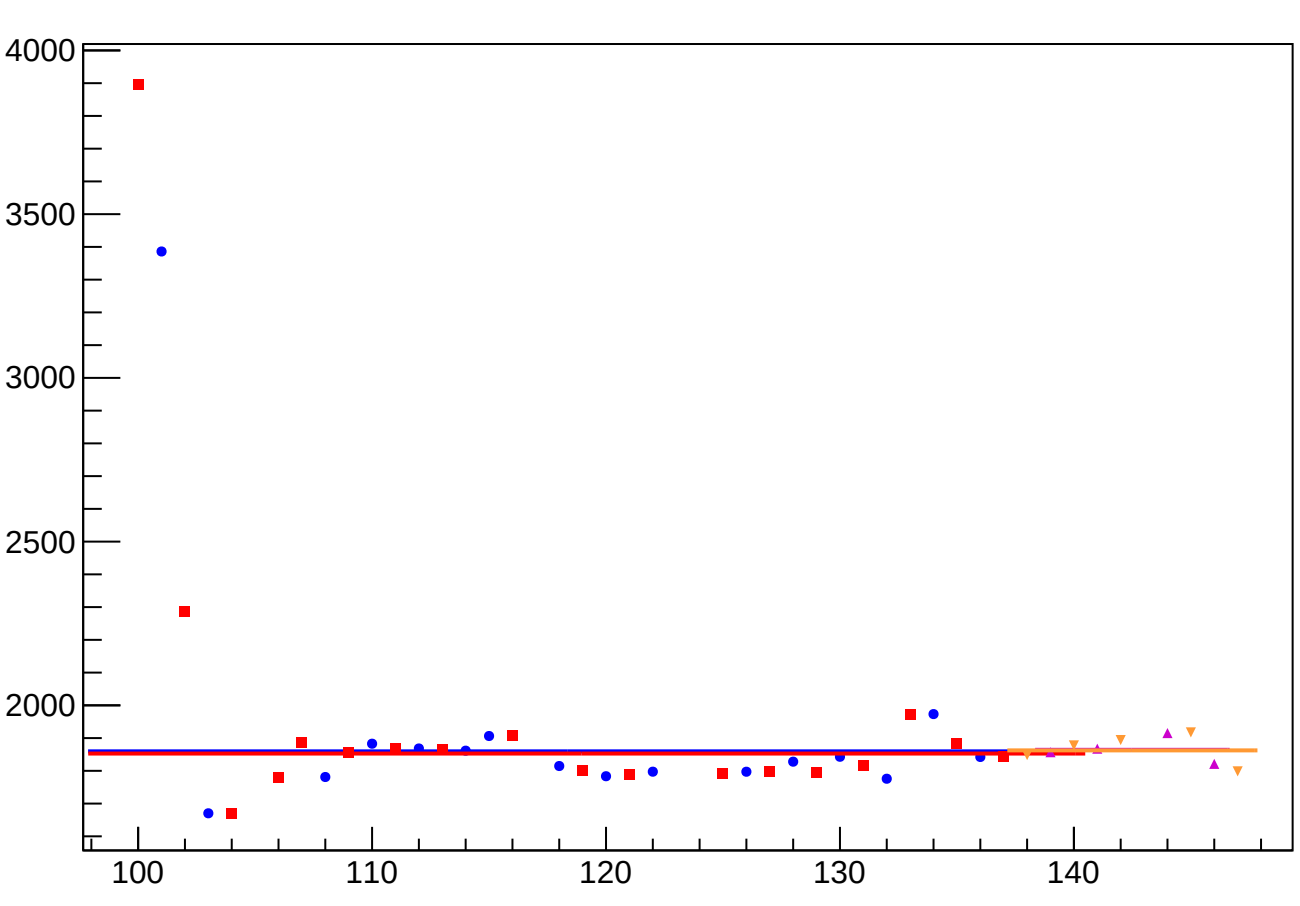
Left: 4381.896+/-692.758 χ^2/NDF: 12.3/8

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5355.422+/-571.354 χ^2/NDF:9.8/19

Out: 3460.284+/-564.956 χ^2/NDF:21.1/22

All: 4397.184+/-401.727 χ^2/NDF: 36.5/42



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1862.447+/-0.684 χ^2/NDF:3881.8/4

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

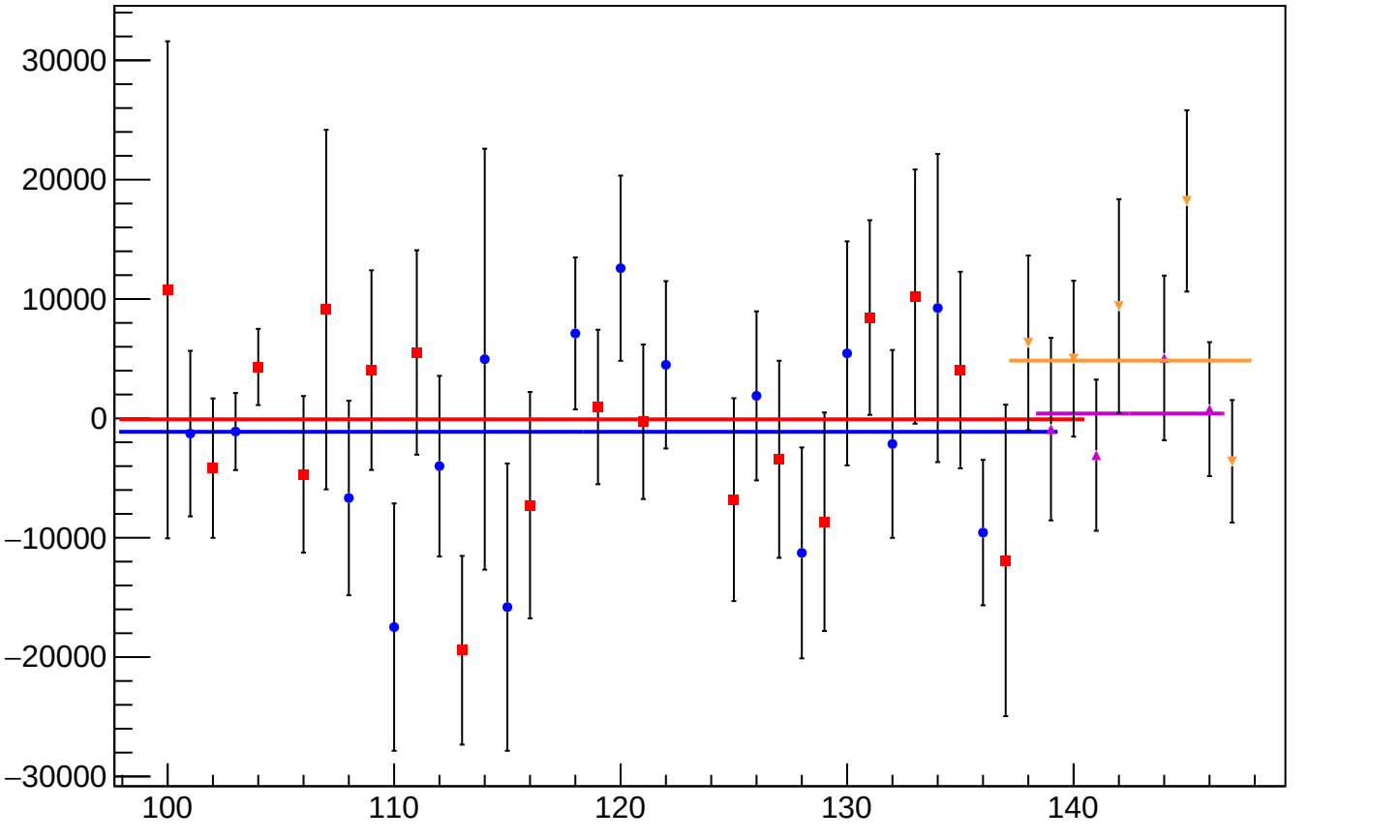
Left: 1863.287+/-0.490 χ^2/NDF: 6198.7/8

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1861.056+/-0.404 χ^2/NDF:294679.7/19

Out: 1856.055+/-0.399 χ^2/NDF:105764.4/22

All: 1858.523+/-0.284 χ^2/NDF: 400521.7/42



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4844.023+/-3016.409 χ^2/NDF:6.1/4

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 407.731+/-3248.720 χ^2/NDF:0.8/3

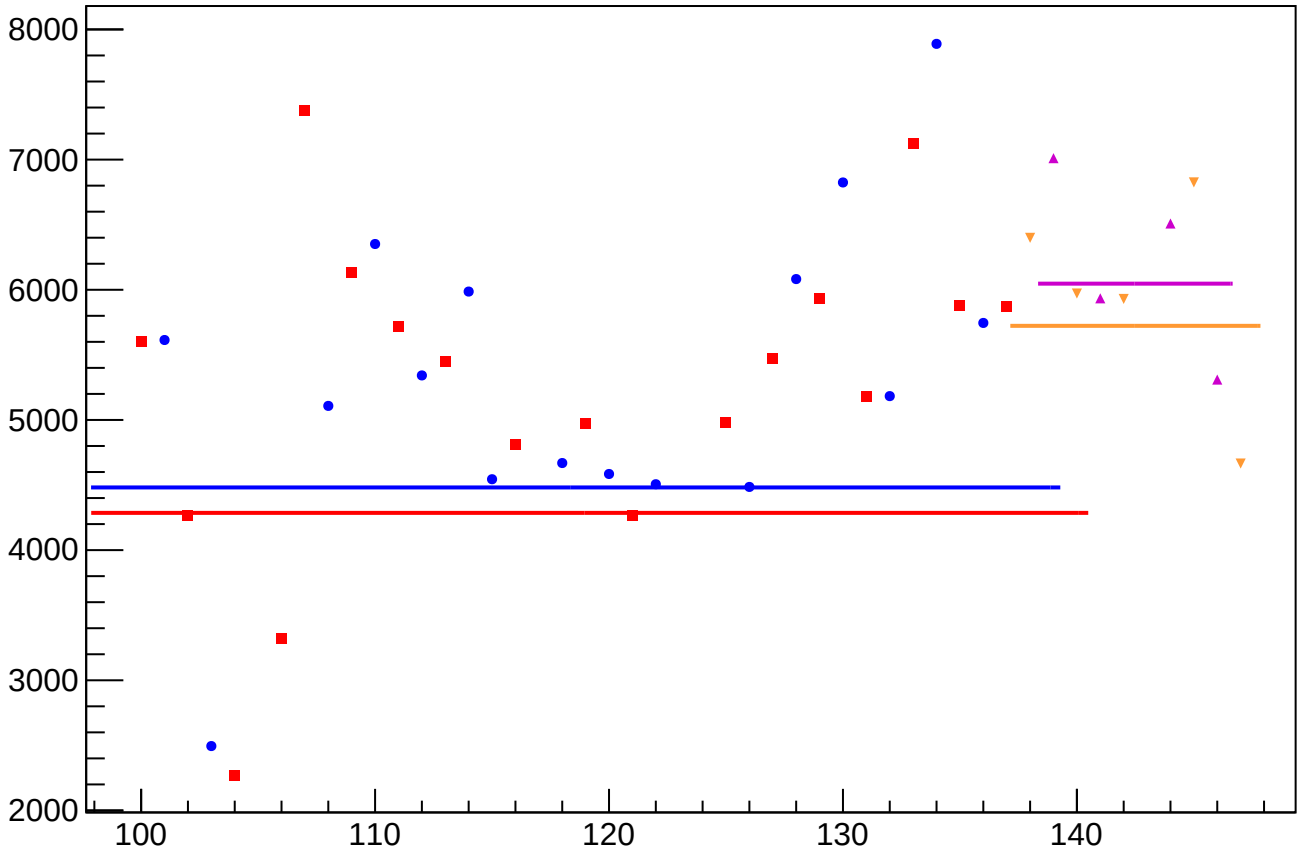
Left: 2790.149+/-2210.493 χ^2/NDF: 7.9/8

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -778.309+/-1546.054 χ^2/NDF:15.7/19

Out: 1110.886+/-1482.607 χ^2/NDF:23.7/22

All: 205.848+/-1070.089 χ^2/NDF: 40.1/42



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5722.979+/-2.133 χ^2/NDF:148077.4/4

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6047.058+/-2.297 χ^2/NDF:75839.2/3

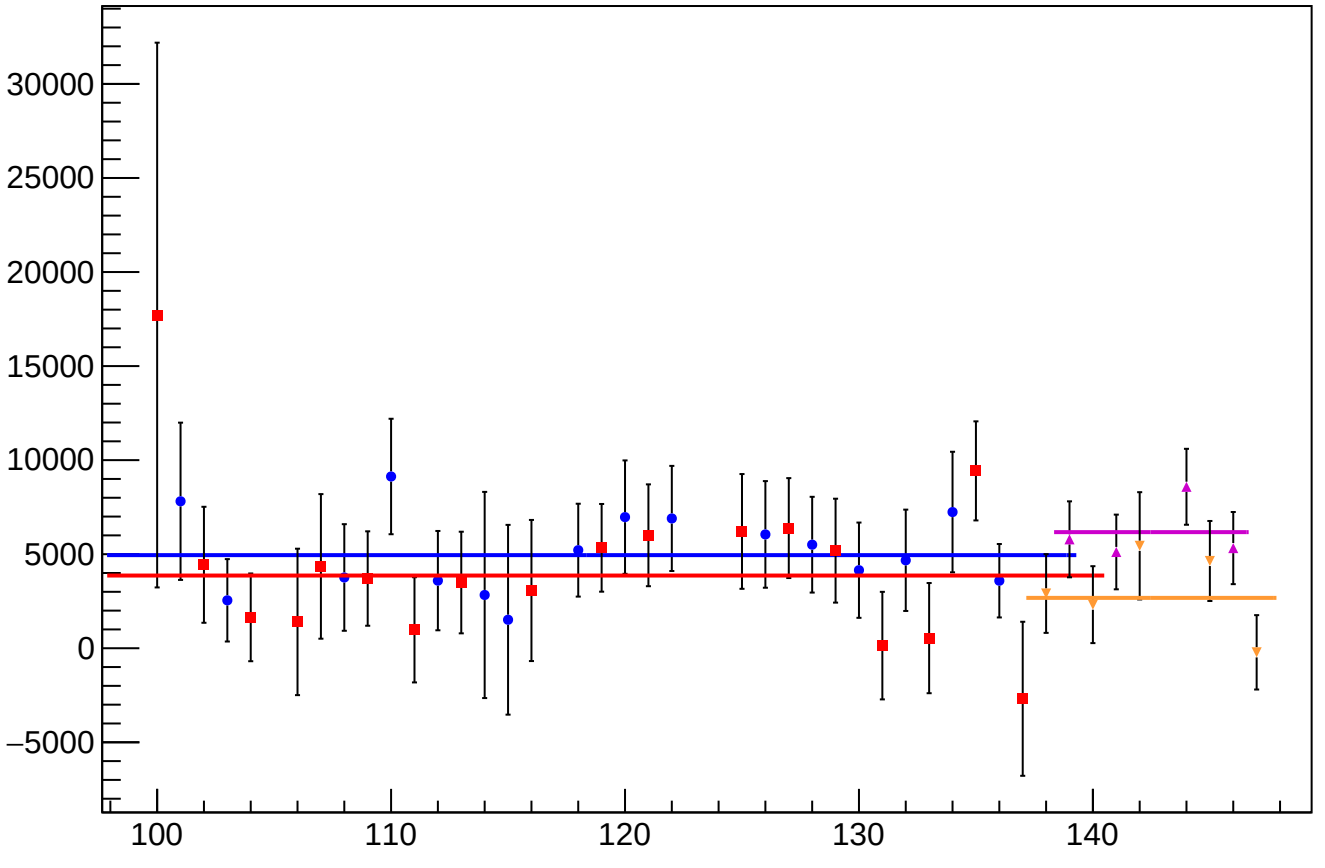
Left: 5873.018+/-1.563 χ^2/NDF: 234604.8/8

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4836.078+/-1.093 χ^2/NDF:1797352.3/19

Out: 4633.249+/-1.048 χ^2/NDF:2042106.7/22

All: 4730.416+/-0.757 χ^2/NDF: 3857391.0/42



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2677.234+/-967.899 χ^2/NDF:4.0/4

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 6172.367+/-991.961 χ^2/NDF:1.9/3

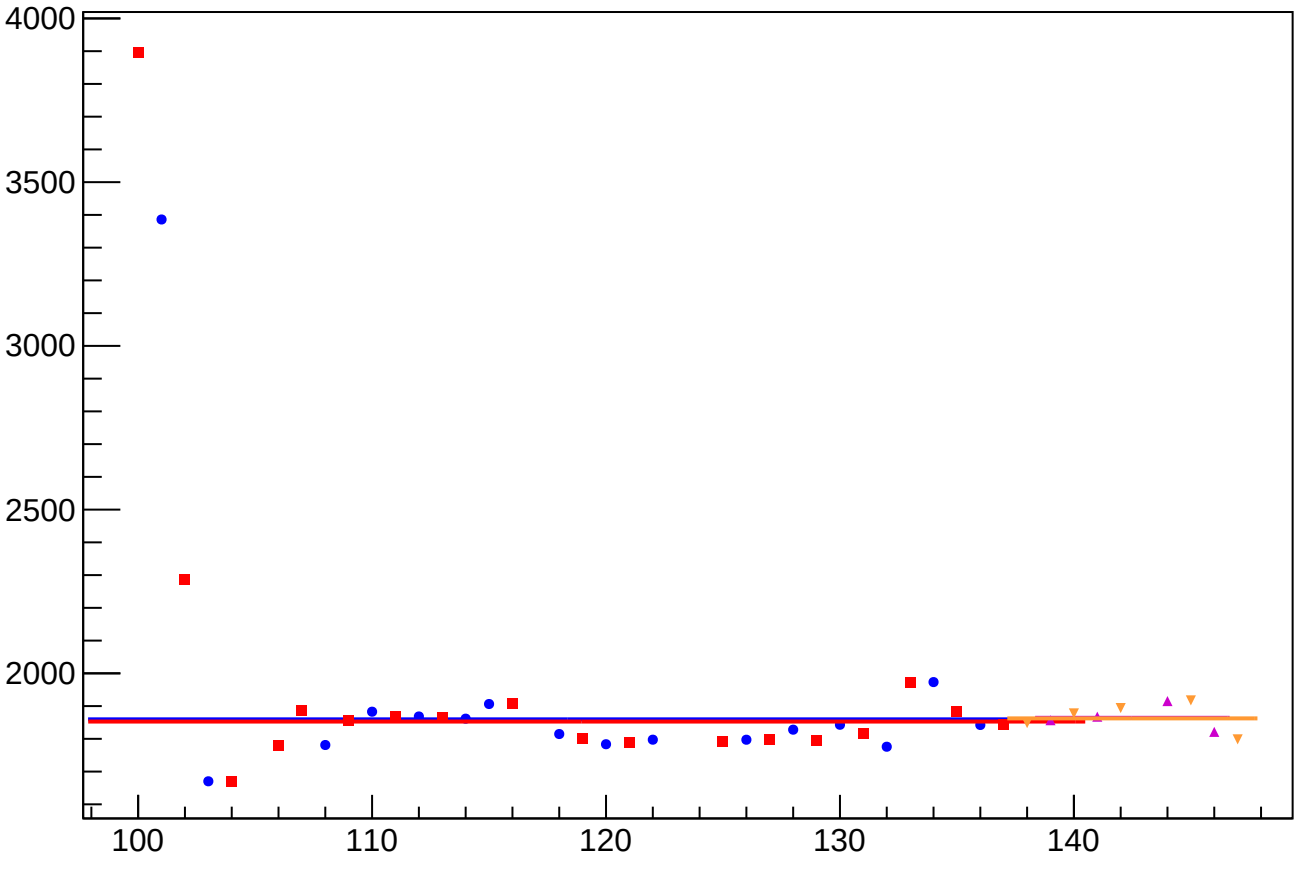
Left: 4381.896+/-692.758 χ^2/NDF: 12.3/8

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5355.422+/-571.354 χ^2/NDF:9.8/19

Out: 3460.284+/-564.956 χ^2/NDF:21.1/22

All: 4397.184+/-401.727 χ^2/NDF: 36.5/42



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1862.447+/-0.684 χ^2/NDF:3881.8/4

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1864.170+/-0.701 χ^2/NDF:2313.8/3

Left: 1863.287+/-0.490 χ^2/NDF: 6198.7/8

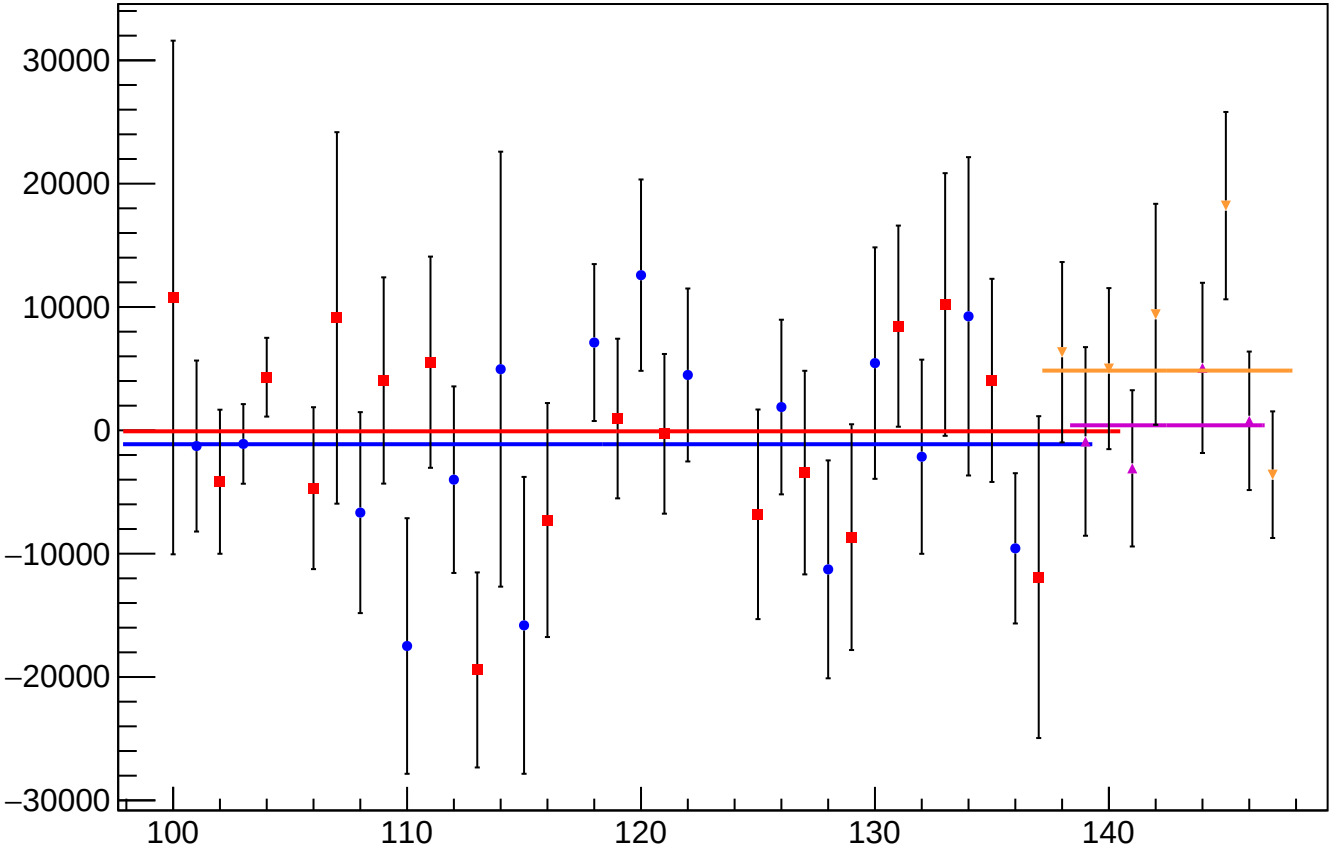
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1861.056+/-0.404 χ^2/NDF:294679.7/19

Out: 1856.055+/-0.399 χ^2/NDF:105764.4/22

All: 1858.523+/-0.284 χ^2/NDF: 400521.7/42

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4844.023+/-3016.409 χ^2/NDF:6.1/4

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 407.731+/-3248.720 χ^2/NDF:0.8/3

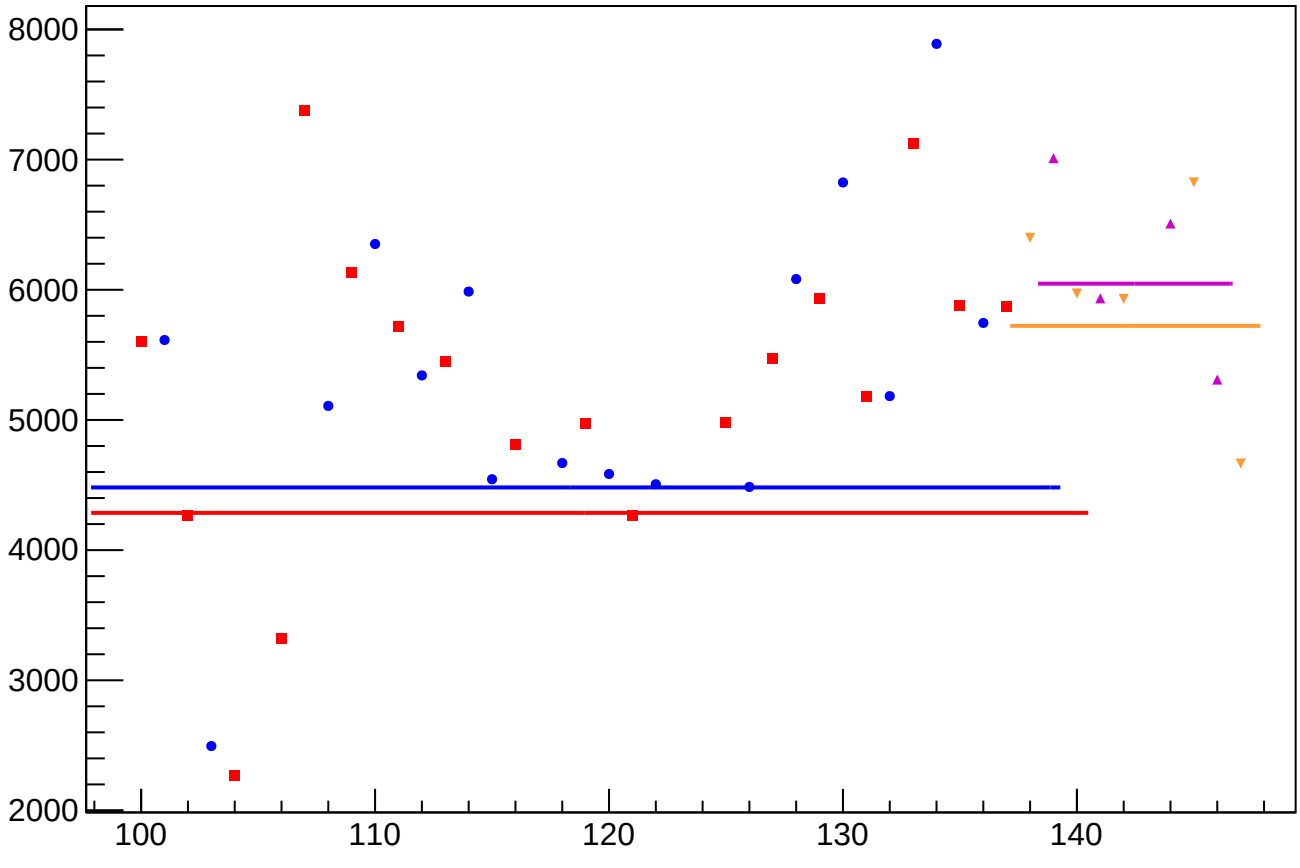
Left: 2790.149+/-2210.493 χ^2/NDF: 7.9/8

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -778.309+/-1546.054 χ^2/NDF:15.7/19

Out: 1110.886+/-1482.607 χ^2/NDF:23.7/22

All: 205.848+/-1070.089 χ^2/NDF: 40.1/42



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5722.979+/-2.133 χ^2/NDF:148077.4/4

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6047.058+/-2.297 χ^2/NDF:75839.2/3

Left: 5873.018+/-1.563 χ^2/NDF: 234604.8/8

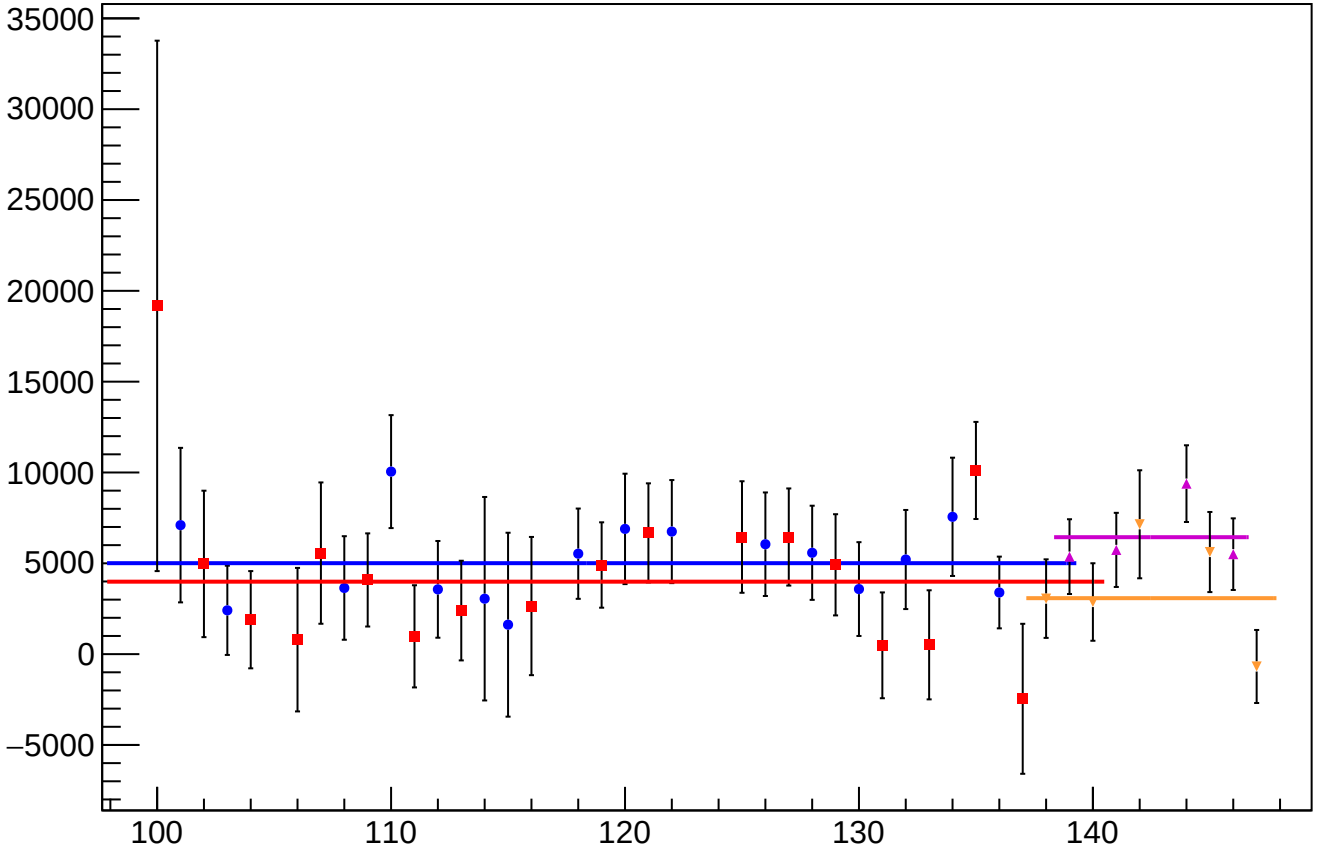
Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4836.078+/-1.093 χ^2/NDF:1797352.3/19

Out: 4633.249+/-1.048 χ^2/NDF:2042106.7/22

All: 4730.416+/-0.757 χ^2/NDF: 3857391.0/42

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3081.021+/-1000.147 χ^2/NDF:6.7/4

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 6437.768+/-1021.876 χ^2/NDF:2.6/3

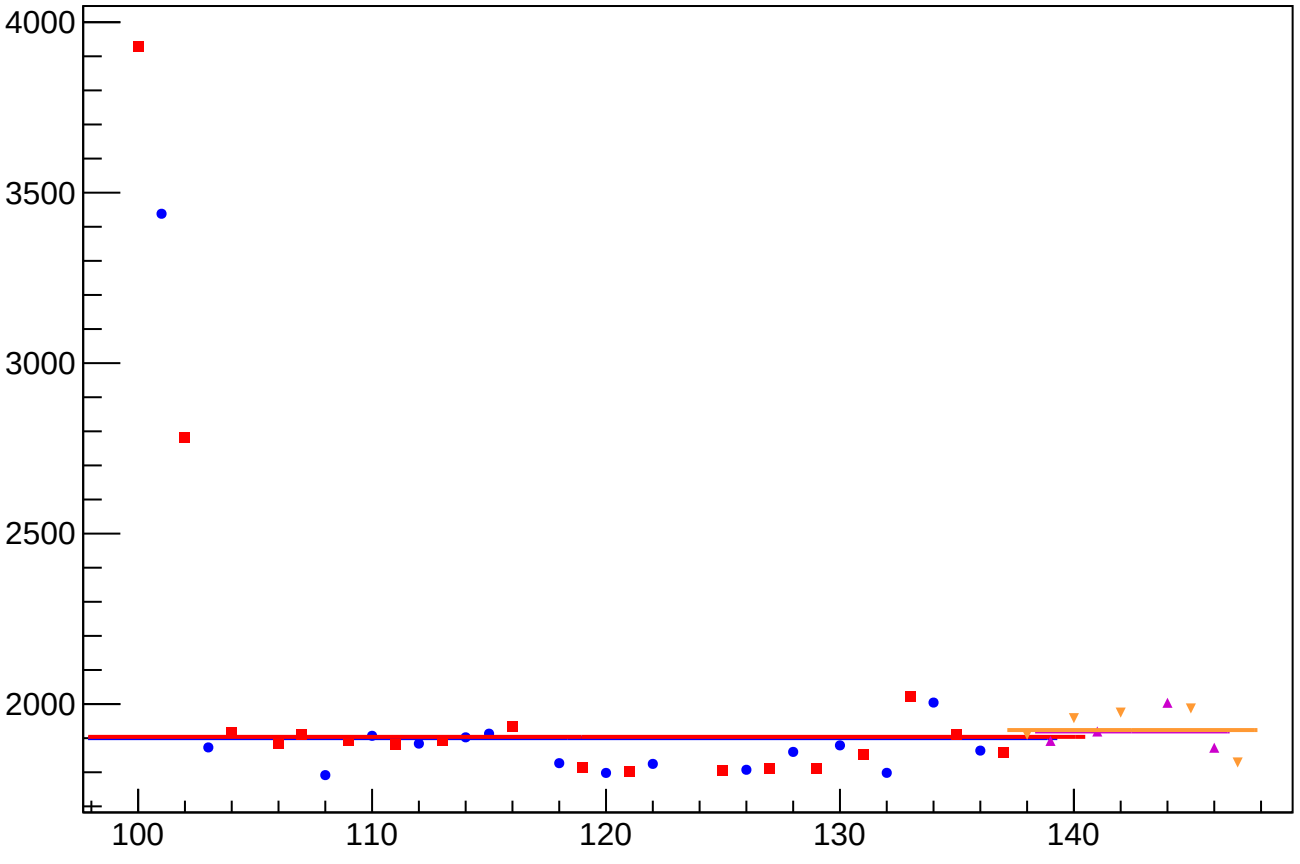
Left: 4723.326+/-714.769 χ^2/NDF: 14.8/8

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5476.627+/-585.319 χ^2/NDF:11.5/19

Out: 3679.746+/-583.812 χ^2/NDF:24.6/22

All: 4575.871+/-413.349 χ^2/NDF: 40.9/42



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1923.762+/-0.707 χ^2/NDF:7334.6/4

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1919.727+/-0.723 χ^2/NDF:4706.7/3

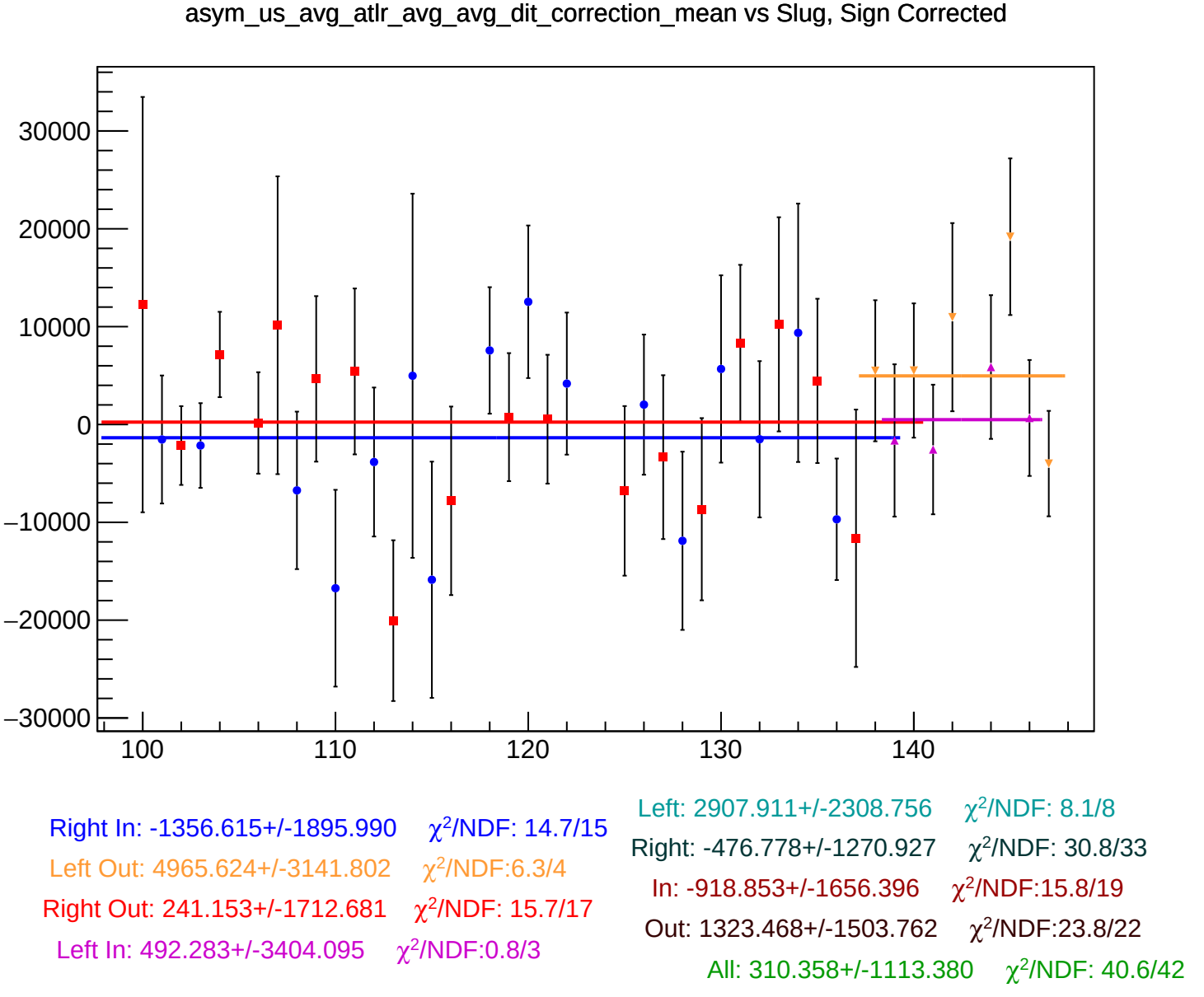
Left: 1921.788+/-0.505 χ^2/NDF: 12057.3/8

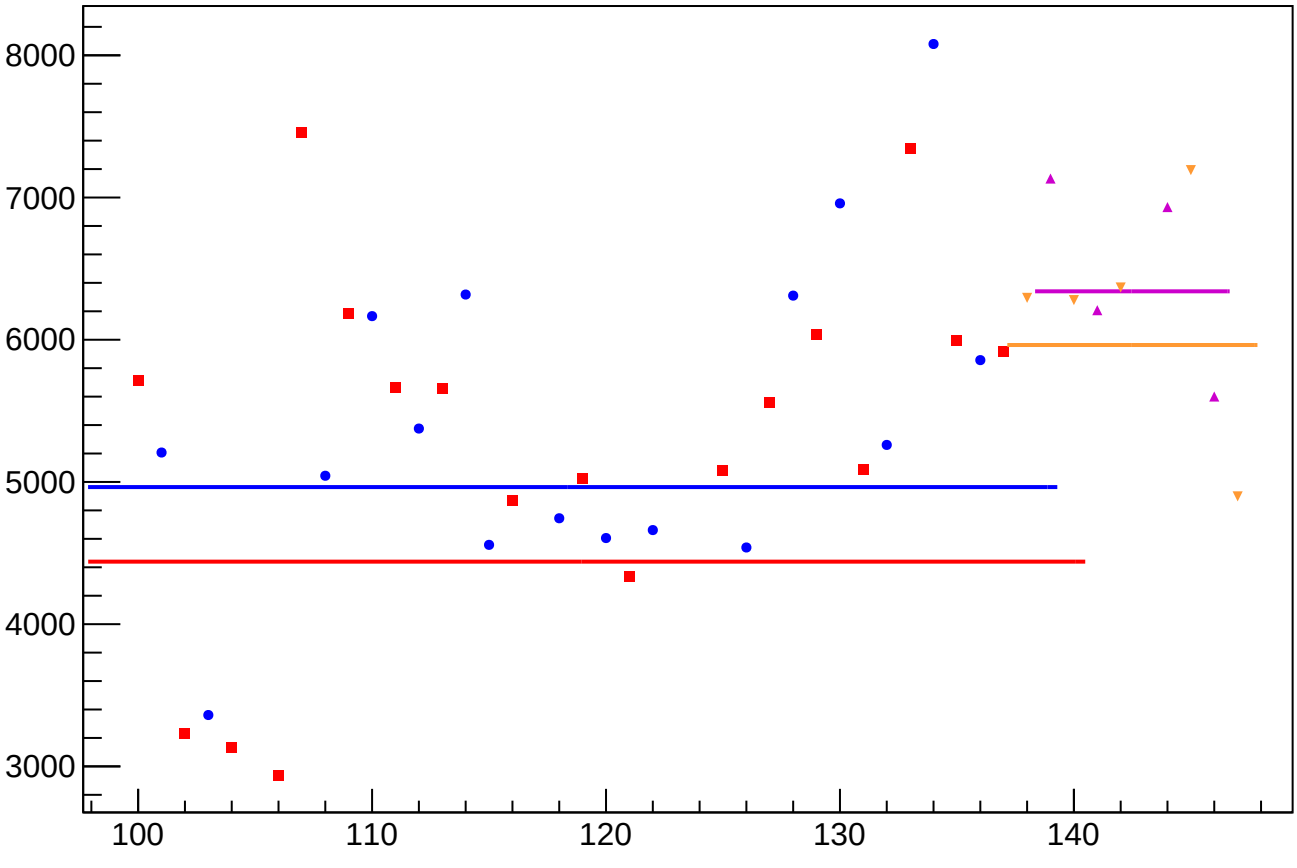
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1906.547+/-0.414 χ^2/NDF:283650.1/19

Out: 1910.610+/-0.413 χ^2/NDF:157974.6/22

All: 1908.585+/-0.292 χ^2/NDF: 441673.1/42


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
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: 4965.624+/-3141.802 χ²/NDF:6.3/4
Right Out: 241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: 492.283+/-3404.095 χ²/NDF:0.8/3
Left: 2907.911+/-2308.756 χ²/NDF: 8.1/8
Right: -476.778+/-1270.927 χ²/NDF: 30.8/33
In: -918.853+/-1656.396 χ²/NDF:15.8/19
Out: 1323.468+/-1503.762 χ²/NDF:23.8/22
All: 310.358+/-1113.380 χ²/NDF: 40.6/42



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5962.952+/-2.222 χ^2/NDF:137214.8/4

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6340.441+/-2.407 χ^2/NDF:65723.8/3

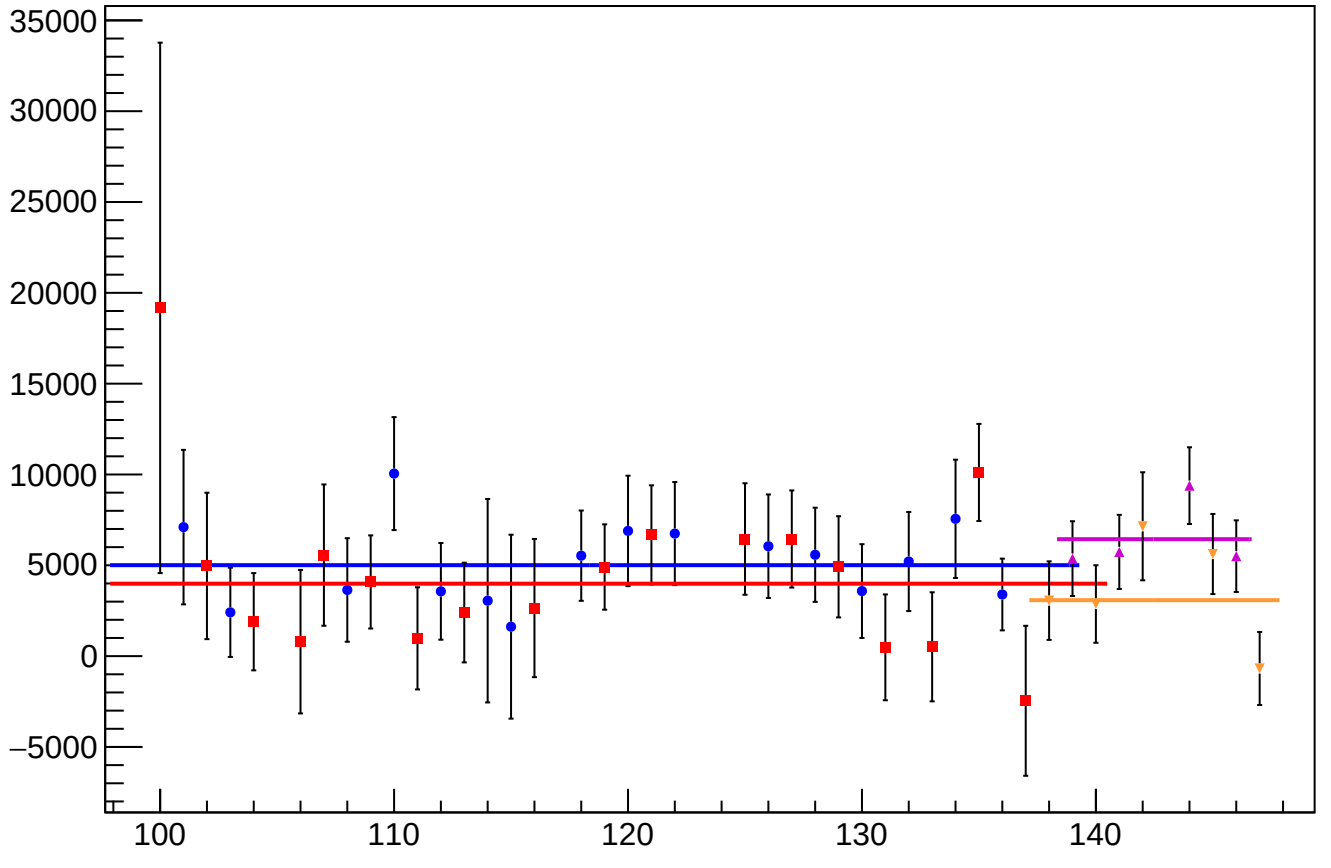
Left: 6136.595+/-1.633 χ^2/NDF: 216219.7/8

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5289.897+/-1.171 χ^2/NDF:942674.6/19

Out: 4788.638+/-1.063 χ^2/NDF:1658164.6/22

All: 5015.113+/-0.787 χ^2/NDF: 2701244.2/42



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3081.033+/-1000.148 χ^2/NDF:6.7/4

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 6437.762+/-1021.877 χ^2/NDF:2.6/3

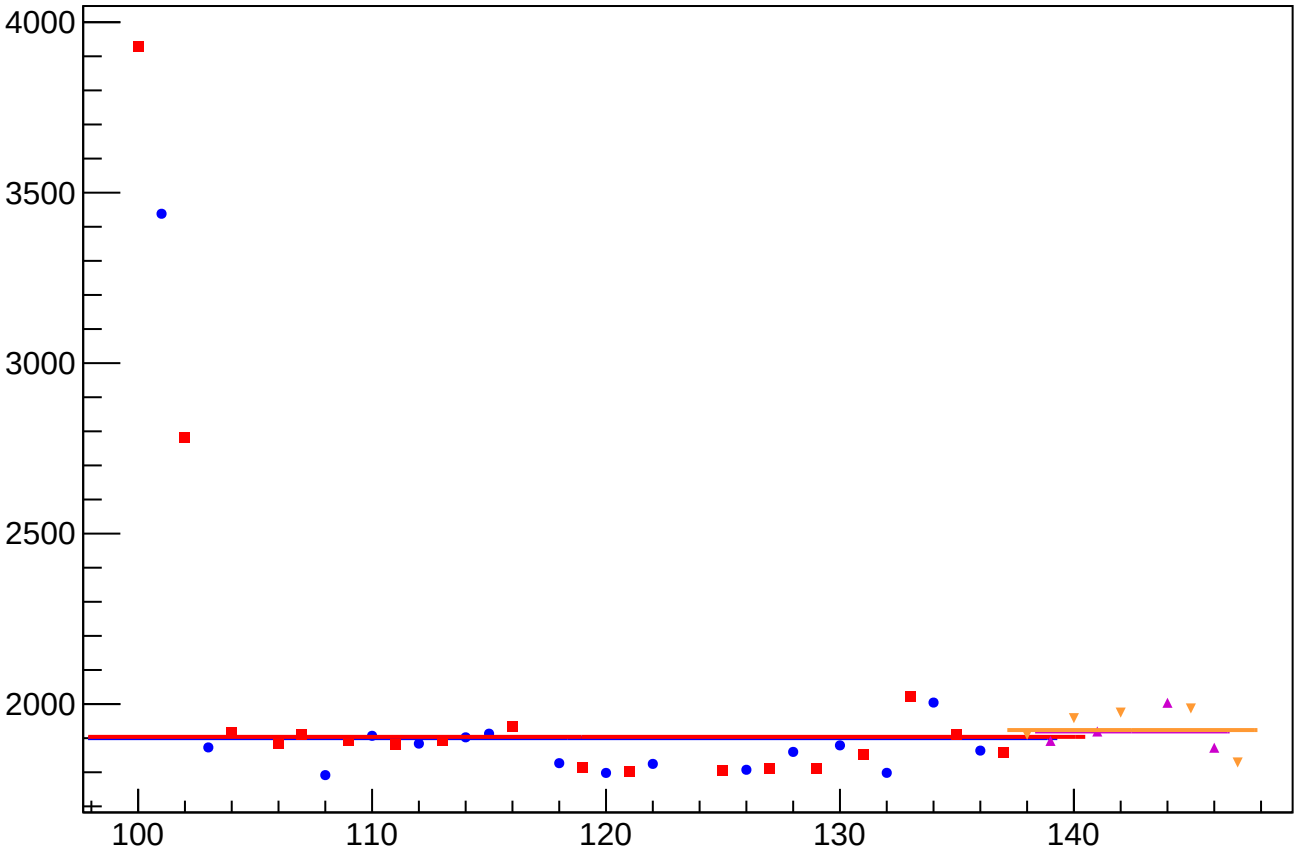
Left: 4723.329+/-714.770 χ^2/NDF: 14.8/8

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5476.623+/-585.319 χ^2/NDF:11.5/19

Out: 3679.750+/-583.812 χ^2/NDF:24.6/22

All: 4575.871+/-413.349 χ^2/NDF: 40.9/42



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1923.763+/-0.707 χ^2/NDF:7334.8/4

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1919.729+/-0.723 χ^2/NDF:4706.8/3

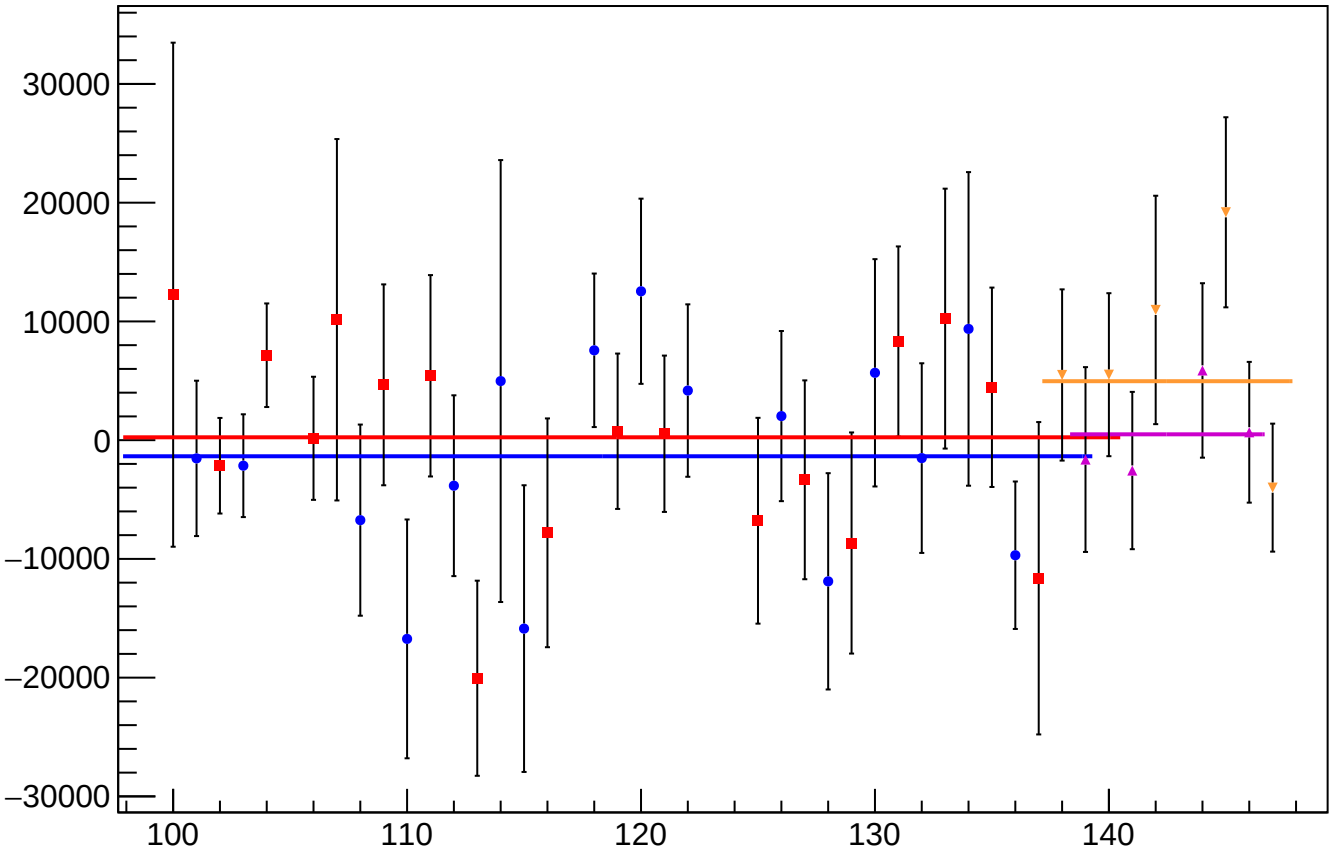
Left: 1921.789+/-0.505 χ^2/NDF: 12057.5/8

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1906.547+/-0.414 χ^2/NDF:283650.5/19

Out: 1910.610+/-0.413 χ^2/NDF:157974.2/22

All: 1908.585+/-0.292 χ^2/NDF: 441673.1/42



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 4965.626+/-3141.808 χ^2/NDF:6.3/4

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 492.275+/-3404.101 χ^2/NDF:0.8/3

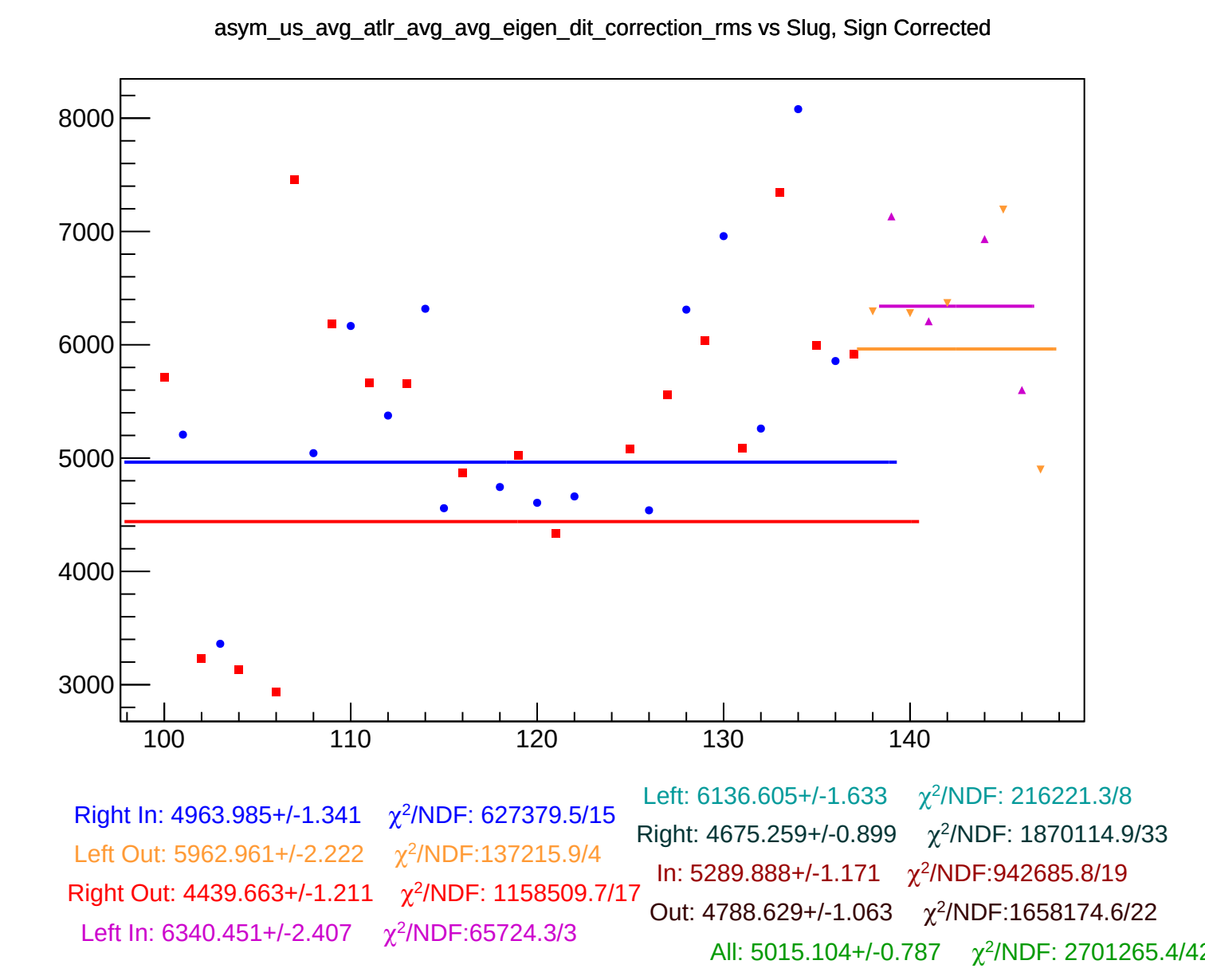
Left: 2907.909+/-2308.759 χ^2/NDF: 8.1/8

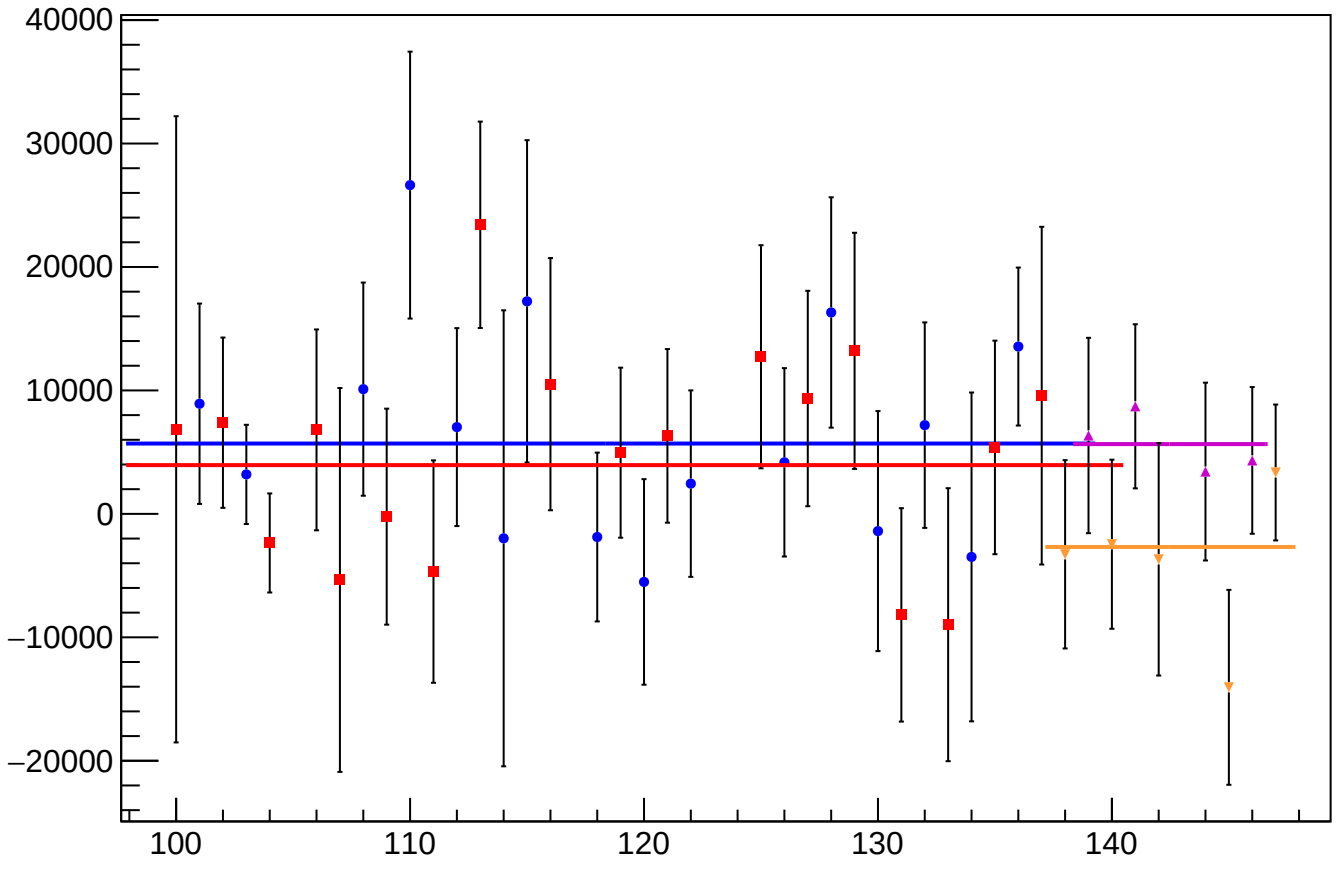
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -918.850+/-1656.393 χ^2/NDF:15.8/19

Out: 1323.463+/-1503.760 χ^2/NDF:23.8/22

All: 310.357+/-1113.378 χ^2/NDF: 40.6/42


asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
110
120
130
140
Right In: 4963.985+/-1.341 χ²/NDF: 627379.5/15
Left Out: 5962.961+/-2.222 χ²/NDF:137215.9/4
Right Out: 4439.663+/-1.211 χ²/NDF: 1158509.7/17
Left In: 6340.451+/-2.407 χ²/NDF:65724.3/3
Left: 6136.605+/-1.633 χ²/NDF: 216221.3/8
Right: 4675.259+/-0.899 χ²/NDF: 1870114.9/33
In: 5289.888+/-1.171 χ²/NDF:942685.8/19
Out: 4788.629+/-1.063 χ²/NDF:1658174.6/22
All: 5015.104+/-0.787 χ²/NDF: 2701265.4/42



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -2681.017+/-3180.431 χ^2/NDF:3.3/4

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 5652.206+/-3405.706 χ^2/NDF:0.4/3

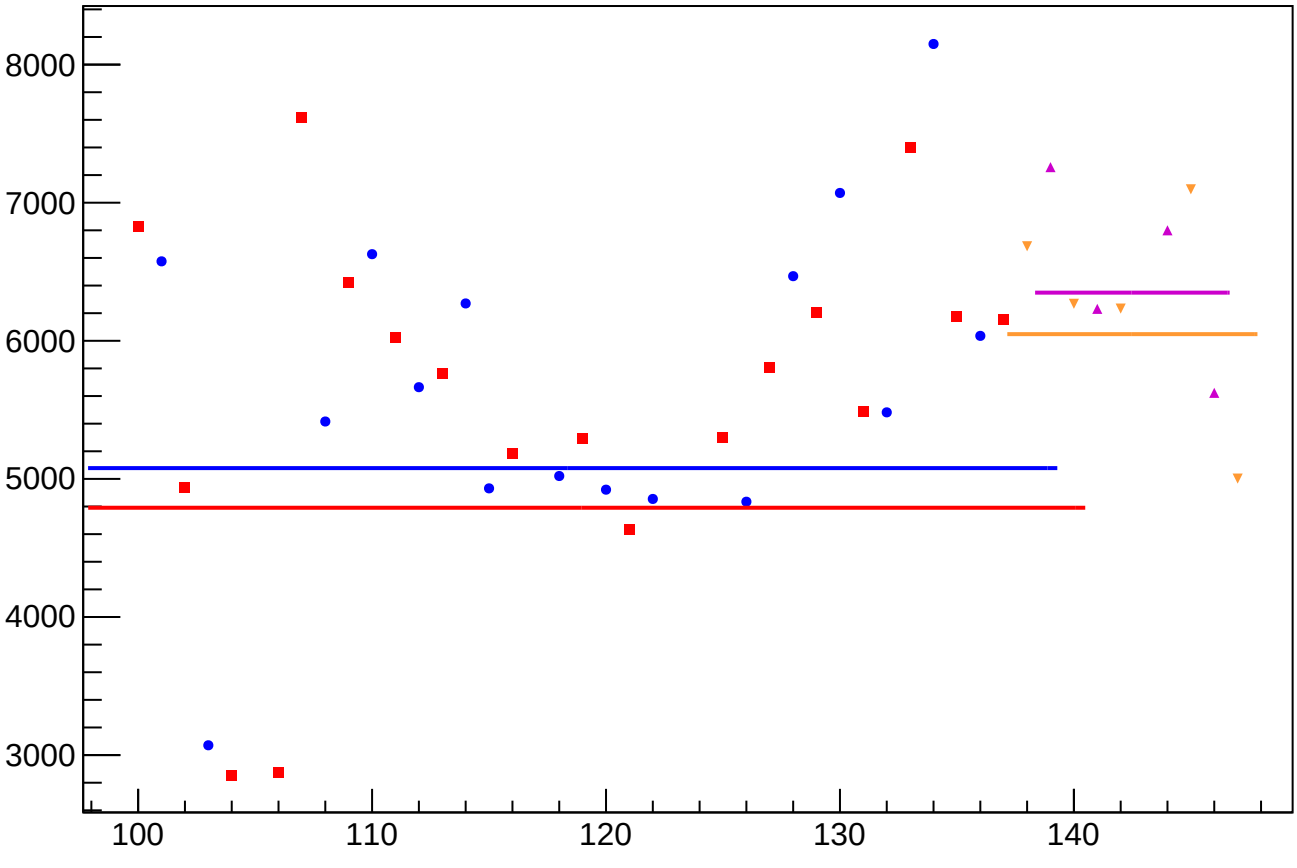
Left: 1200.894+/-2324.468 χ^2/NDF: 6.9/8

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 5686.026+/-1698.254 χ^2/NDF:13.0/19

Out: 2177.620+/-1644.069 χ^2/NDF:22.6/22

All: 3874.960+/-1181.224 χ^2/NDF: 37.8/42



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6048.245+/-2.249 χ^2/NDF:124294.1/4

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6348.772+/-2.408 χ^2/NDF:64686.6/3

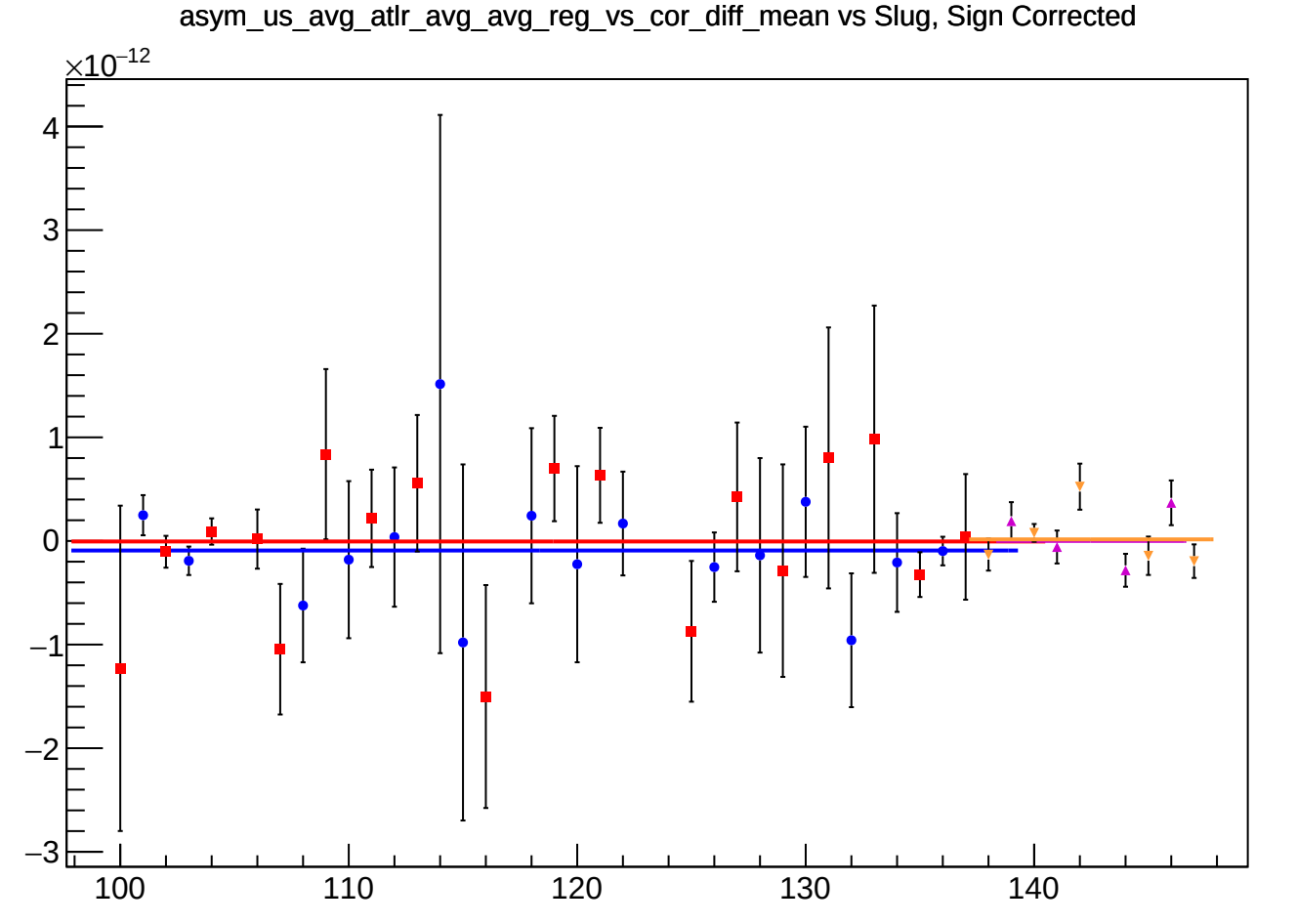
Left: 6188.241+/-1.644 χ^2/NDF: 197299.5/8

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5394.089+/-1.201 χ^2/NDF:1193061.1/19

Out: 5117.152+/-1.145 χ^2/NDF:1518178.5/22

All: 5249.061+/-0.829 χ^2/NDF: 2739092.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:7.3/3

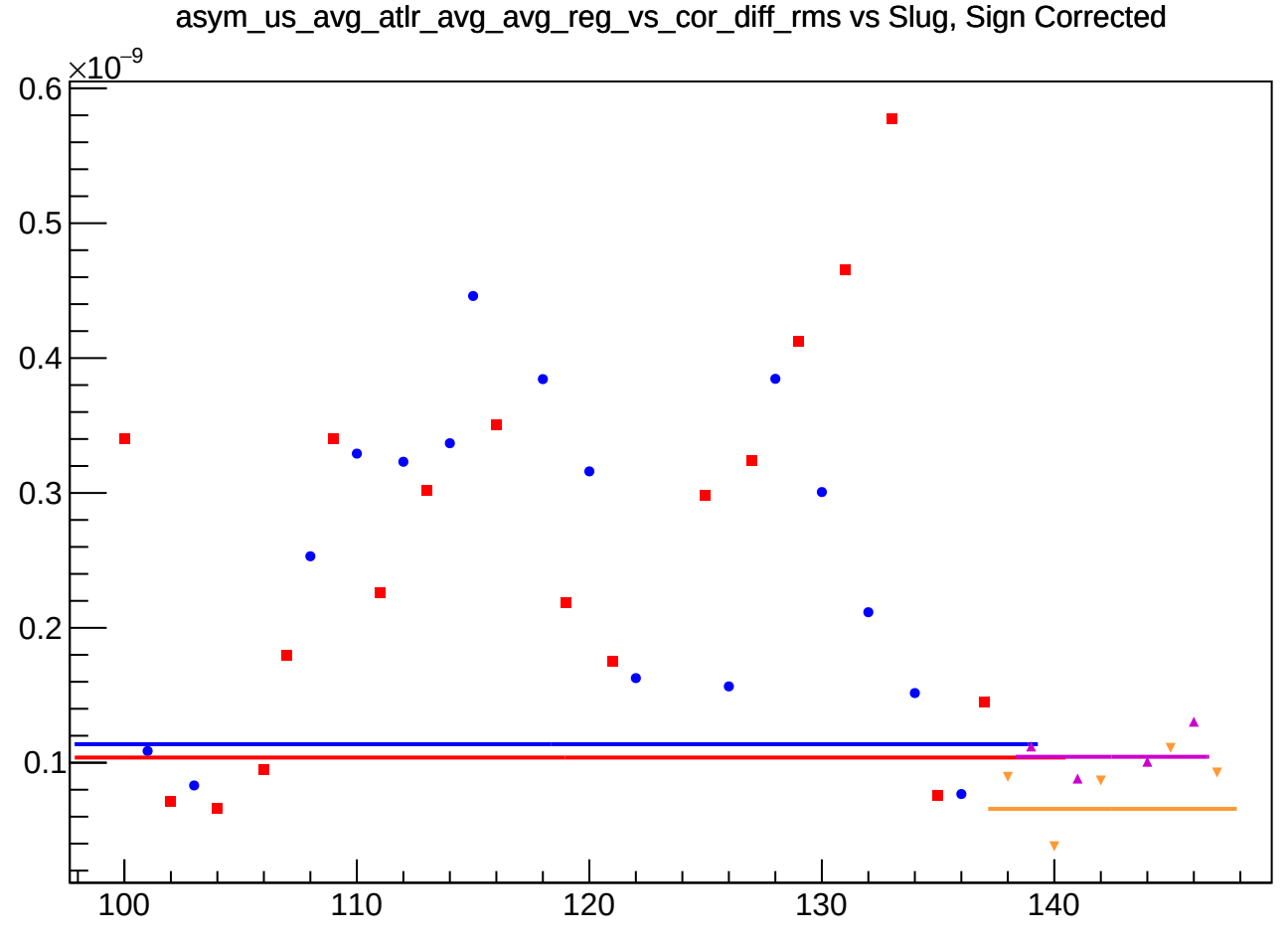
Left: 0.000+/-0.000 χ^2/NDF: 16.4/8

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:16.1/19

Out: 0.000+/-0.000 χ^2/NDF:26.5/22

All: -0.000+/-0.000 χ^2/NDF: 43.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:449166.4/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:54192.0/3

Left: 0.000+/-0.000 χ^2/NDF: 764409.9/8

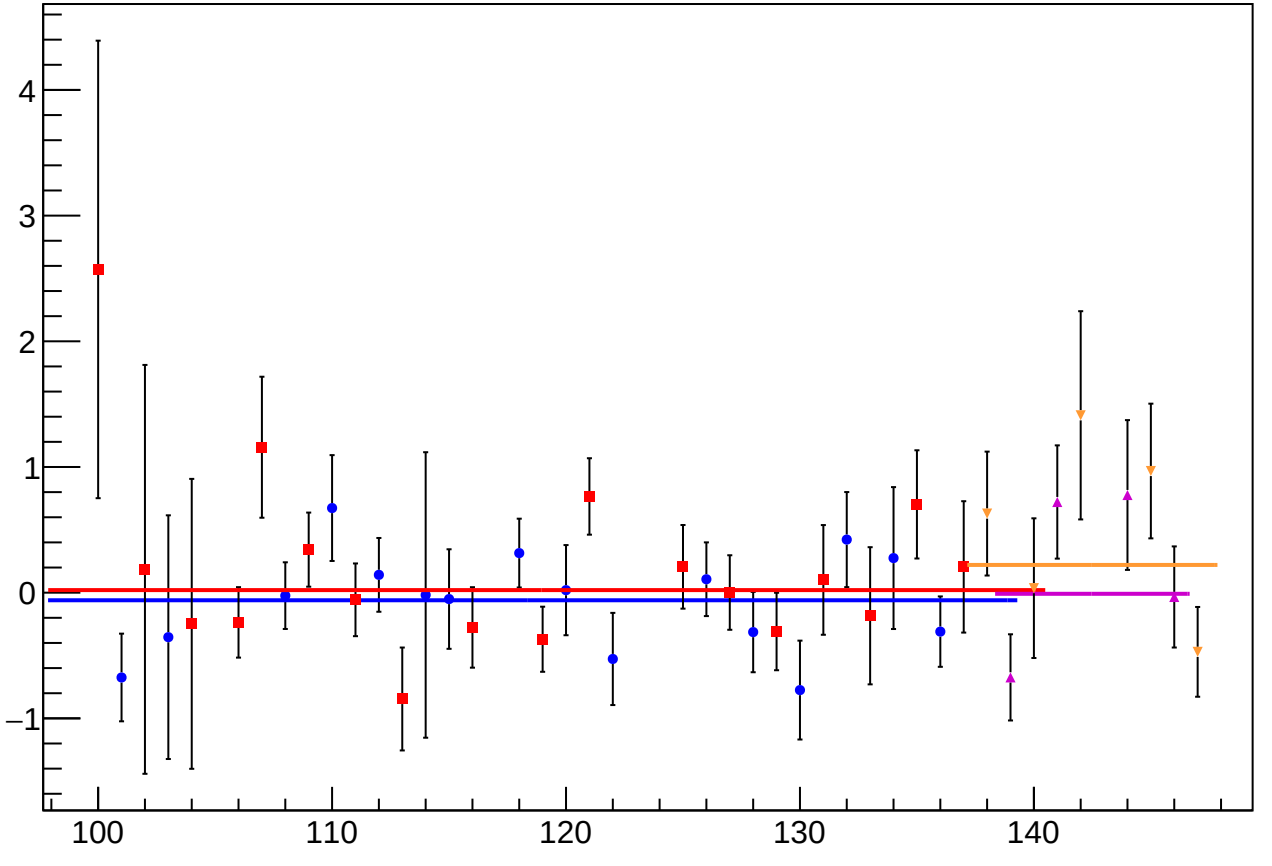
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:1591717.8/19

Out: 0.000+/-0.000 χ^2/NDF:2834751.8/22

All: 0.000+/-0.000 χ^2/NDF: 4724210.2/42

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: 0.221+/-0.223 χ^2/NDF:8.6/4

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.211 χ^2/NDF:8.1/3

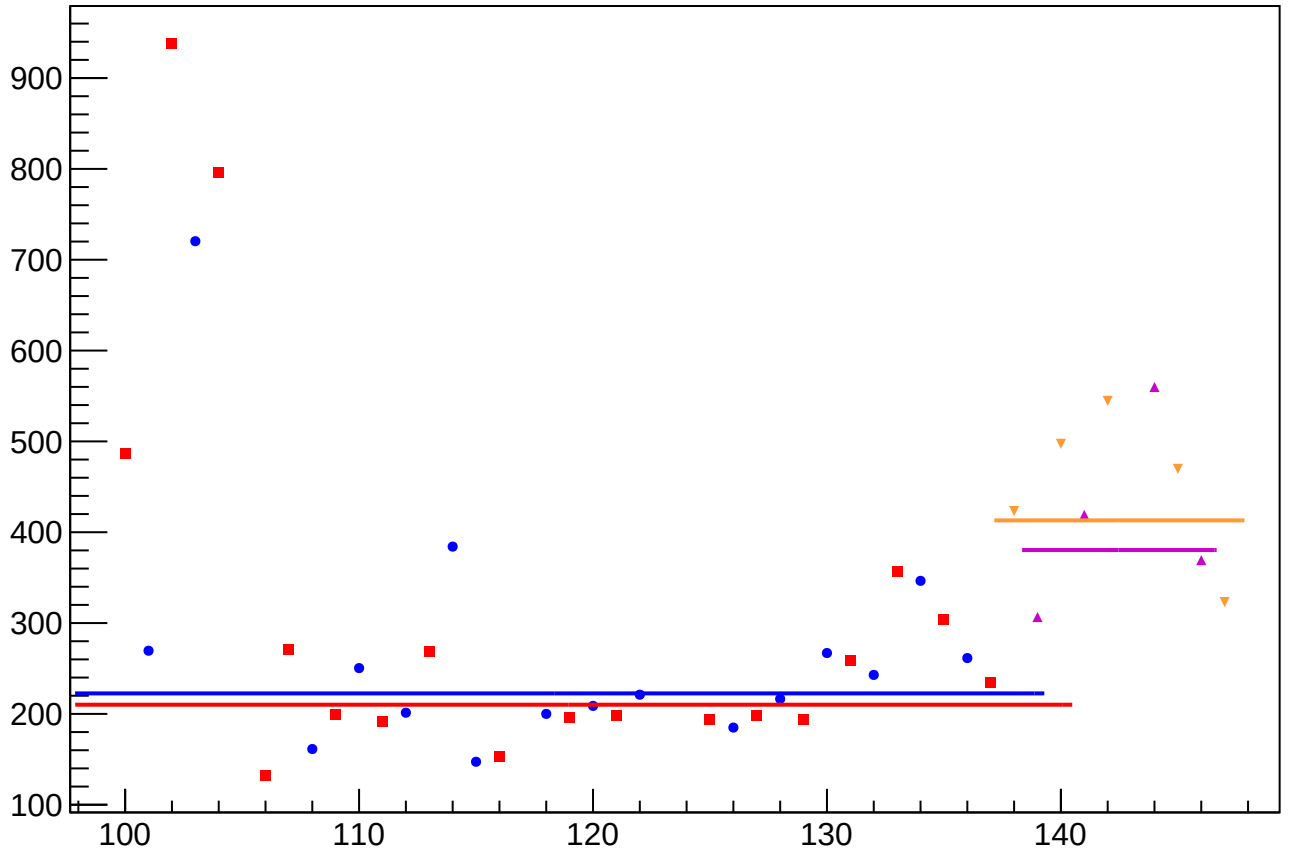
Left: 0.100+/-0.153 χ^2/NDF: 17.2/8

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.053+/-0.082 χ^2/NDF:25.5/19

Out: 0.047+/-0.081 χ^2/NDF:35.4/22

All: -0.003+/-0.058 χ^2/NDF: 61.6/42



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 413.051+/-0.158 χ^2/NDF:246299.3/4

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 380.414+/-0.149 χ^2/NDF:290431.0/3

Left: 395.853+/-0.108 χ^2/NDF: 559330.3/8

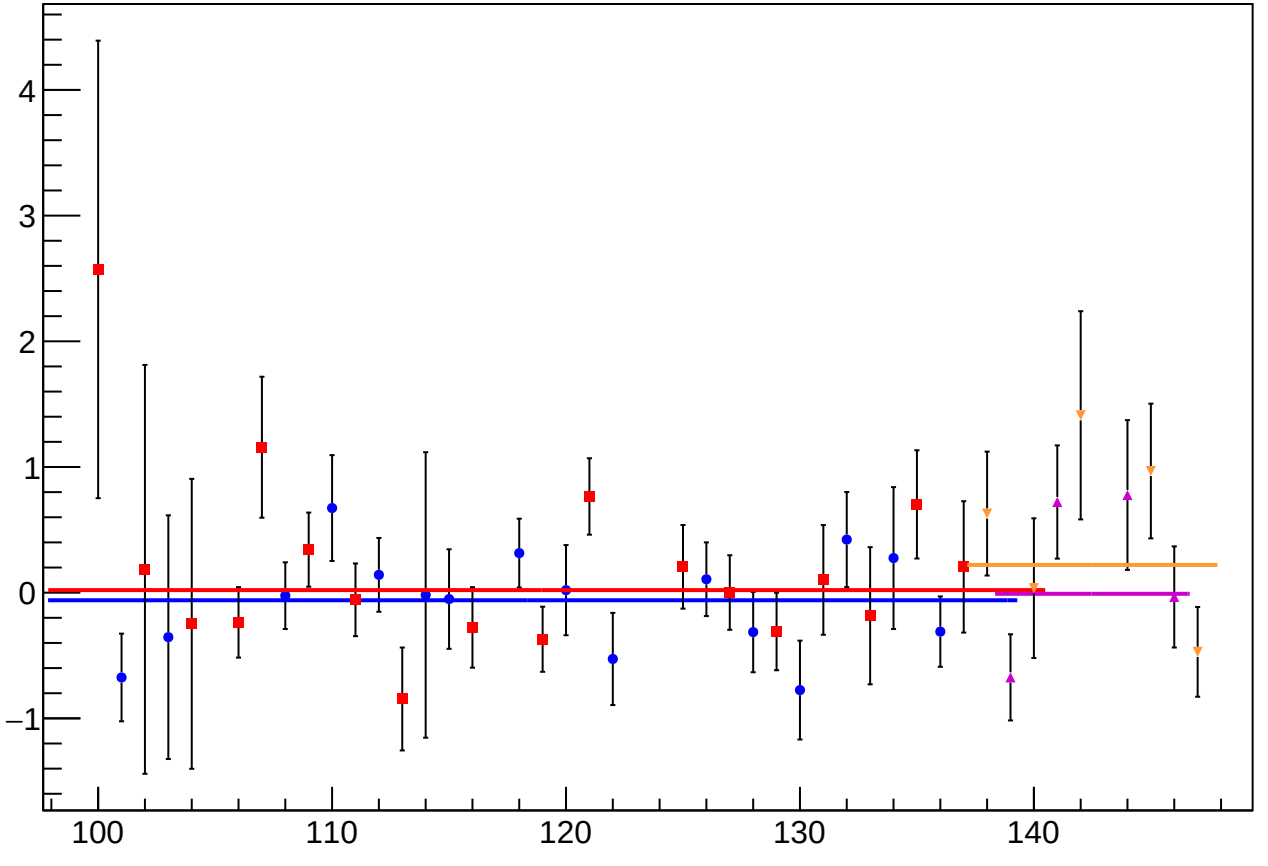
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 246.223+/-0.058 χ^2/NDF:2259247.5/19

Out: 237.186+/-0.058 χ^2/NDF:3231728.5/22

All: 241.685+/-0.041 χ^2/NDF: 5503252.6/42

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: 0.221+/-0.223 χ^2/NDF:8.6/4

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.211 χ^2/NDF:8.1/3

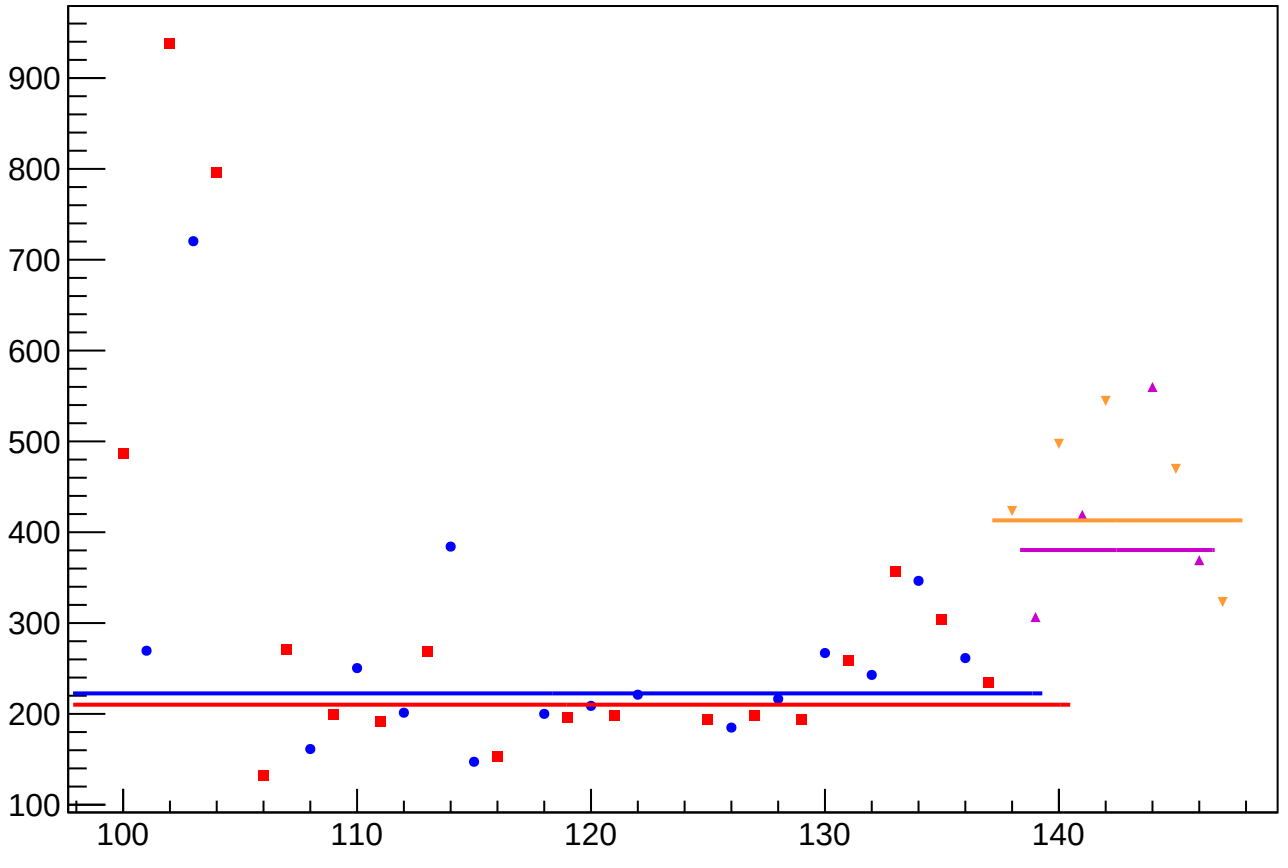
Left: 0.100+/-0.153 χ^2/NDF: 17.2/8

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.053+/-0.082 χ^2/NDF:25.5/19

Out: 0.047+/-0.081 χ^2/NDF:35.4/22

All: -0.003+/-0.058 χ^2/NDF: 61.6/42



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 413.051+/-0.158 χ^2/NDF:246299.3/4

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 380.414+/-0.149 χ^2/NDF:290431.0/3

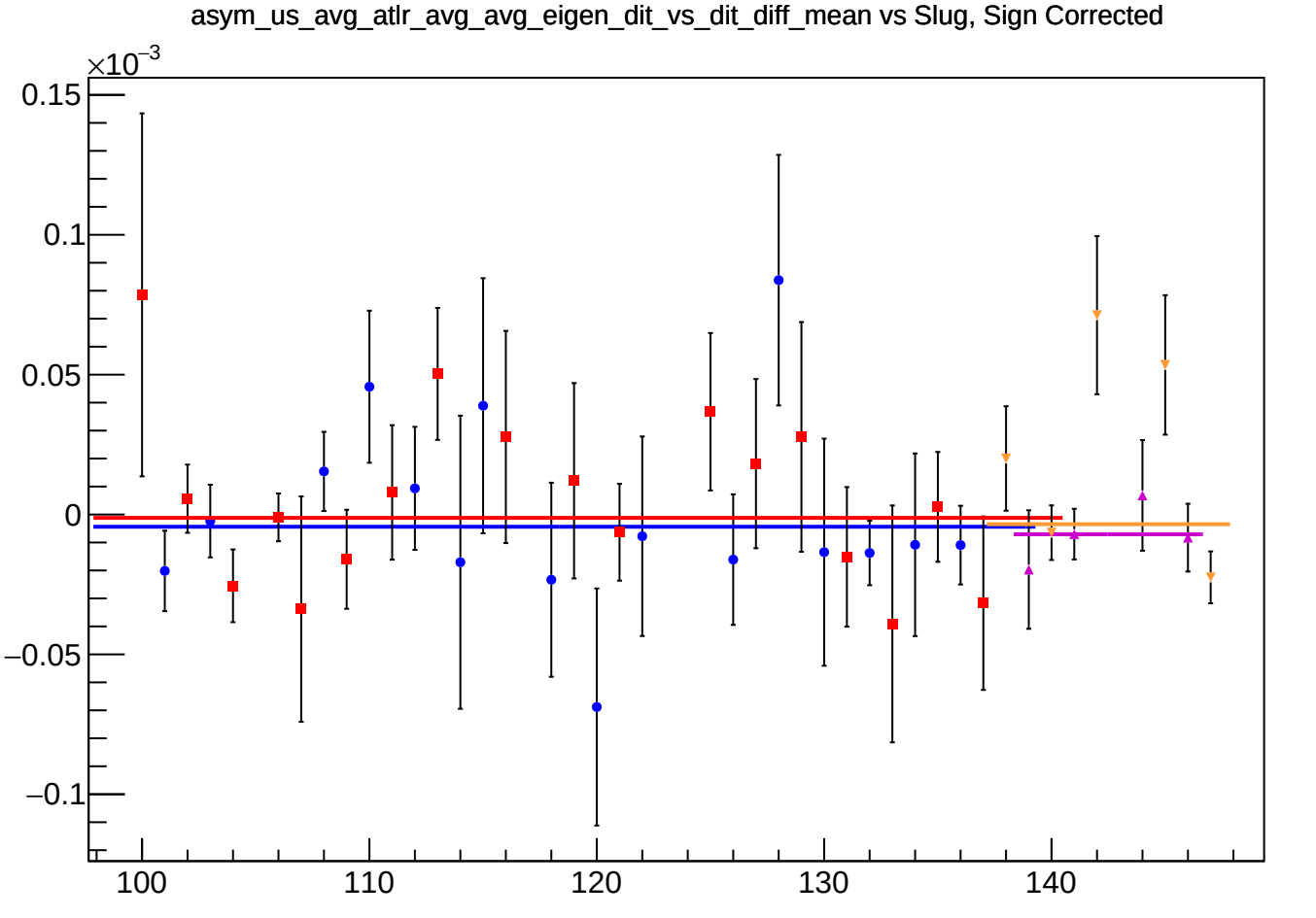
Left: 395.853+/-0.108 χ^2/NDF: 559330.3/8

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 246.223+/-0.058 χ^2/NDF:2259247.5/19

Out: 237.186+/-0.058 χ^2/NDF:3231728.5/22

All: 241.685+/-0.041 χ^2/NDF: 5503252.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

Left: -0.000+/-0.000 χ^2/NDF: 19.1/8

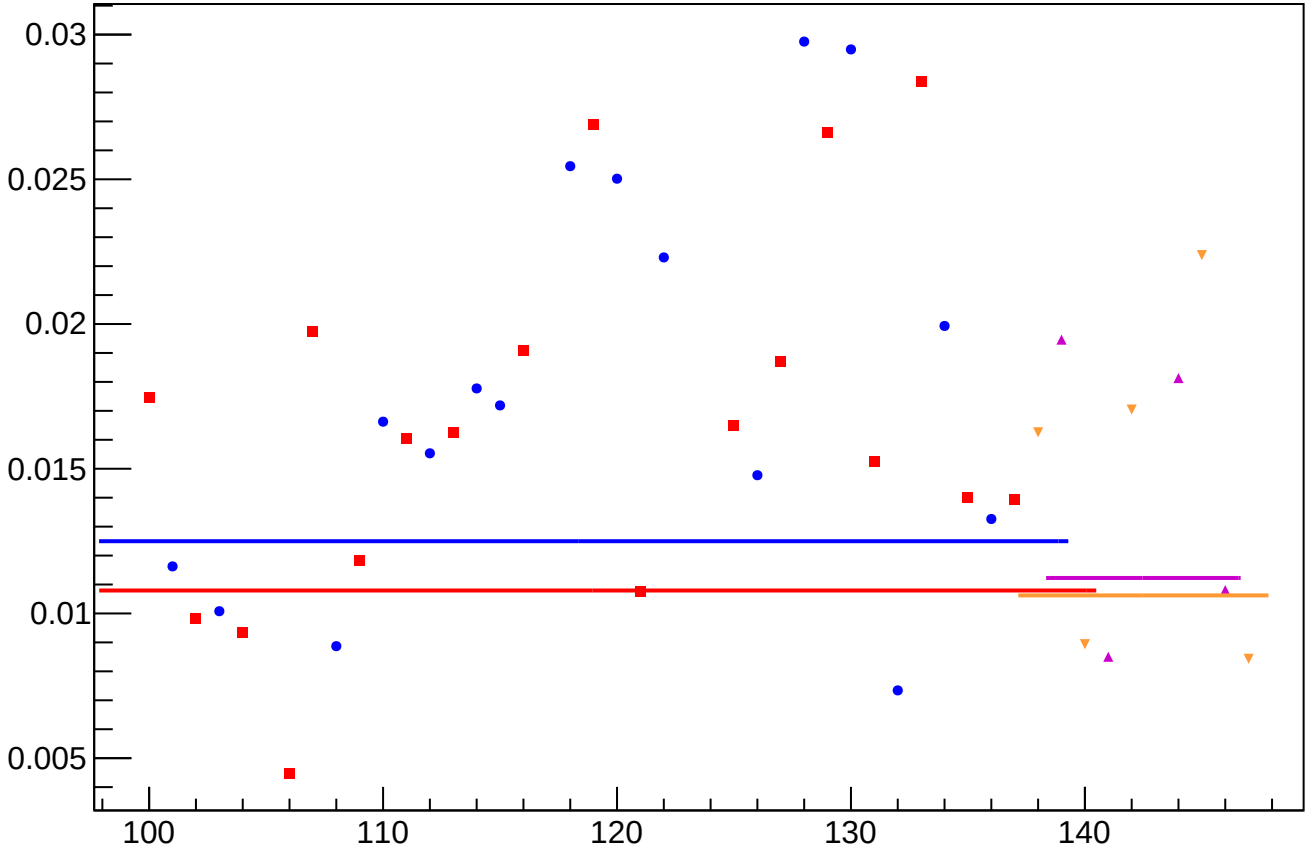
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:16.6/19

Out: -0.000+/-0.000 χ^2/NDF:35.4/22

All: -0.000+/-0.000 χ^2/NDF: 52.4/42

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:901544.6/4

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.011+/-0.000 χ^2/NDF:729205.2/3

Left: 0.011+/-0.000 χ^2/NDF: 1640064.9/8

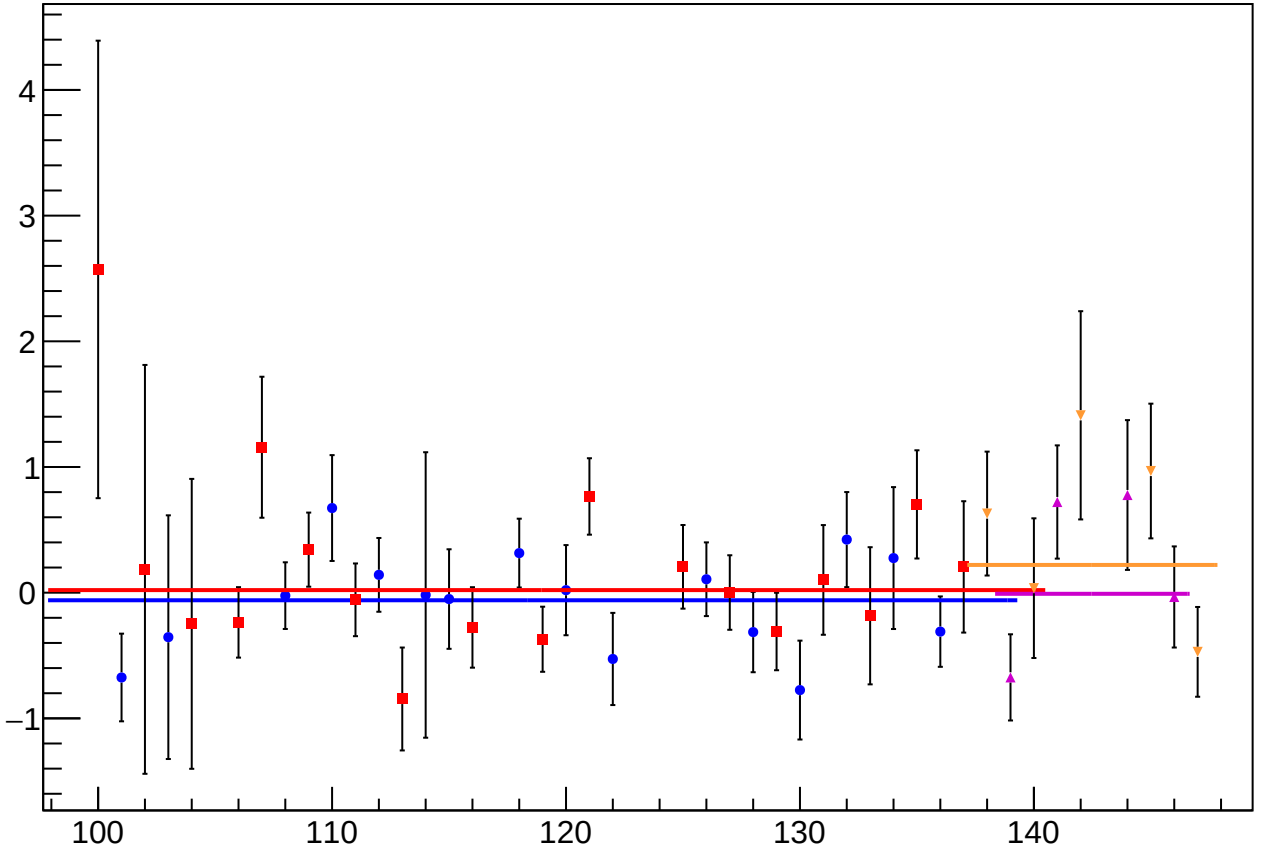
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.012+/-0.000 χ^2/NDF:2891677.9/19

Out: 0.011+/-0.000 χ^2/NDF:3890382.3/22

All: 0.011+/-0.000 χ^2/NDF: 6894324.4/42

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: 0.221+/-0.223 χ^2/NDF:8.6/4

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.211 χ^2/NDF:8.1/3

Left: 0.100+/-0.153 χ^2/NDF: 17.2/8

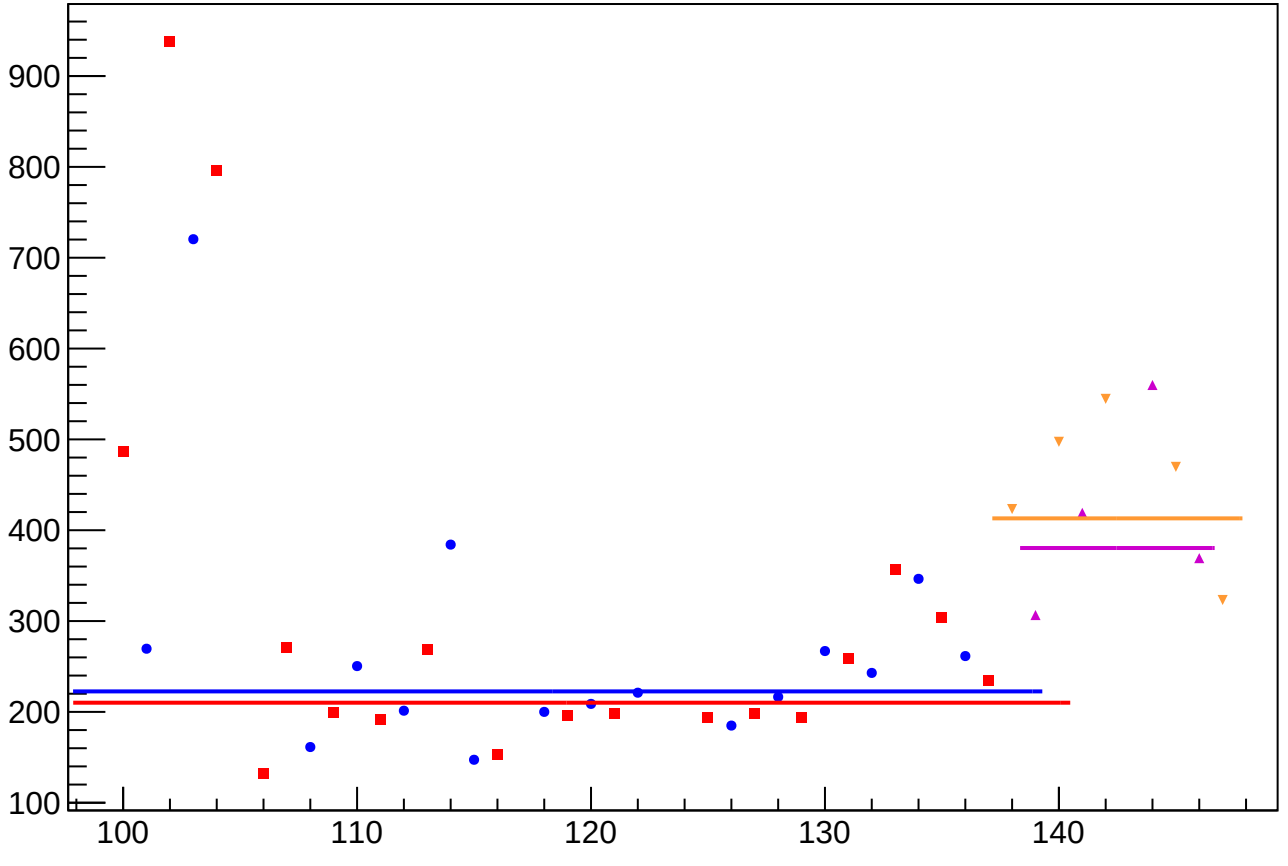
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.053+/-0.082 χ^2/NDF:25.5/19

Out: 0.047+/-0.081 χ^2/NDF:35.4/22

All: -0.003+/-0.058 χ^2/NDF: 61.6/42

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: 413.055+/-0.158 χ^2/NDF:246299.9/4

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 380.420+/-0.149 χ^2/NDF:290420.2/3

Left: 395.858+/-0.108 χ^2/NDF: 559317.0/8

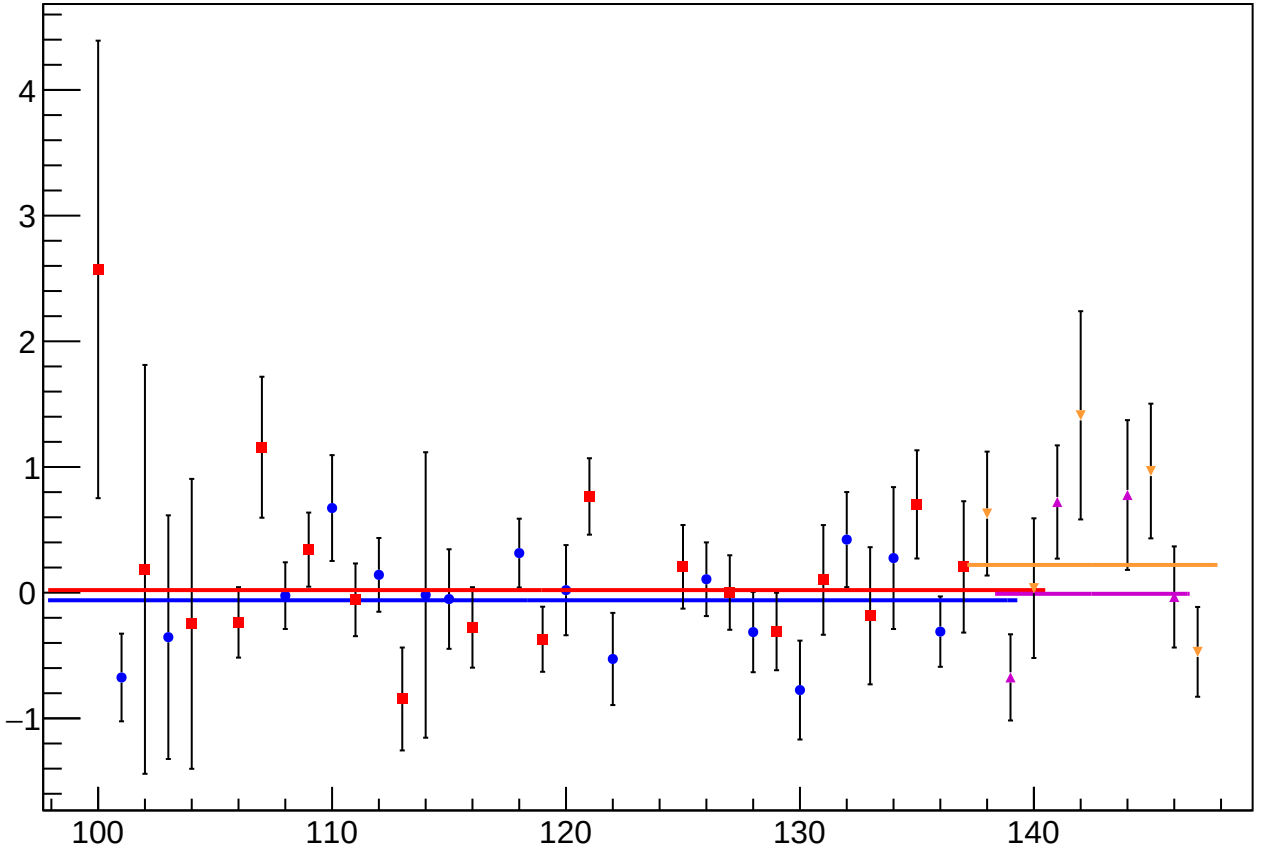
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 246.222+/-0.058 χ^2/NDF:2259295.0/19

Out: 237.183+/-0.058 χ^2/NDF:3231787.4/22

All: 241.683+/-0.041 χ^2/NDF: 5503362.5/42

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: 0.221+/-0.223 χ^2/NDF:8.6/4

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.009+/-0.211 χ^2/NDF:8.1/3

Left: 0.100+/-0.153 χ^2/NDF: 17.2/8

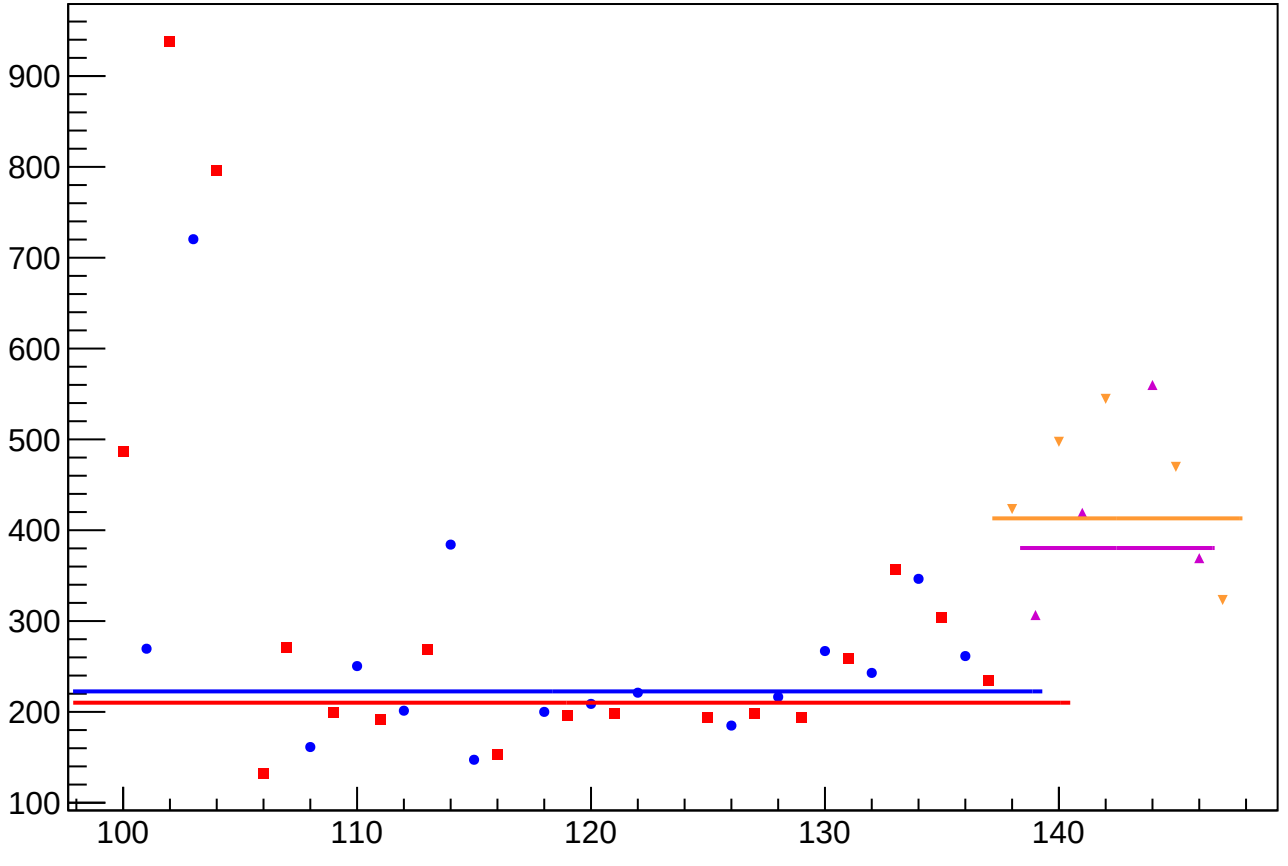
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.053+/-0.082 χ^2/NDF:25.5/19

Out: 0.047+/-0.081 χ^2/NDF:35.4/22

All: -0.003+/-0.058 χ^2/NDF: 61.6/42

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: 413.055+/-0.158 χ^2/NDF:246299.9/4

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 380.420+/-0.149 χ^2/NDF:290420.2/3

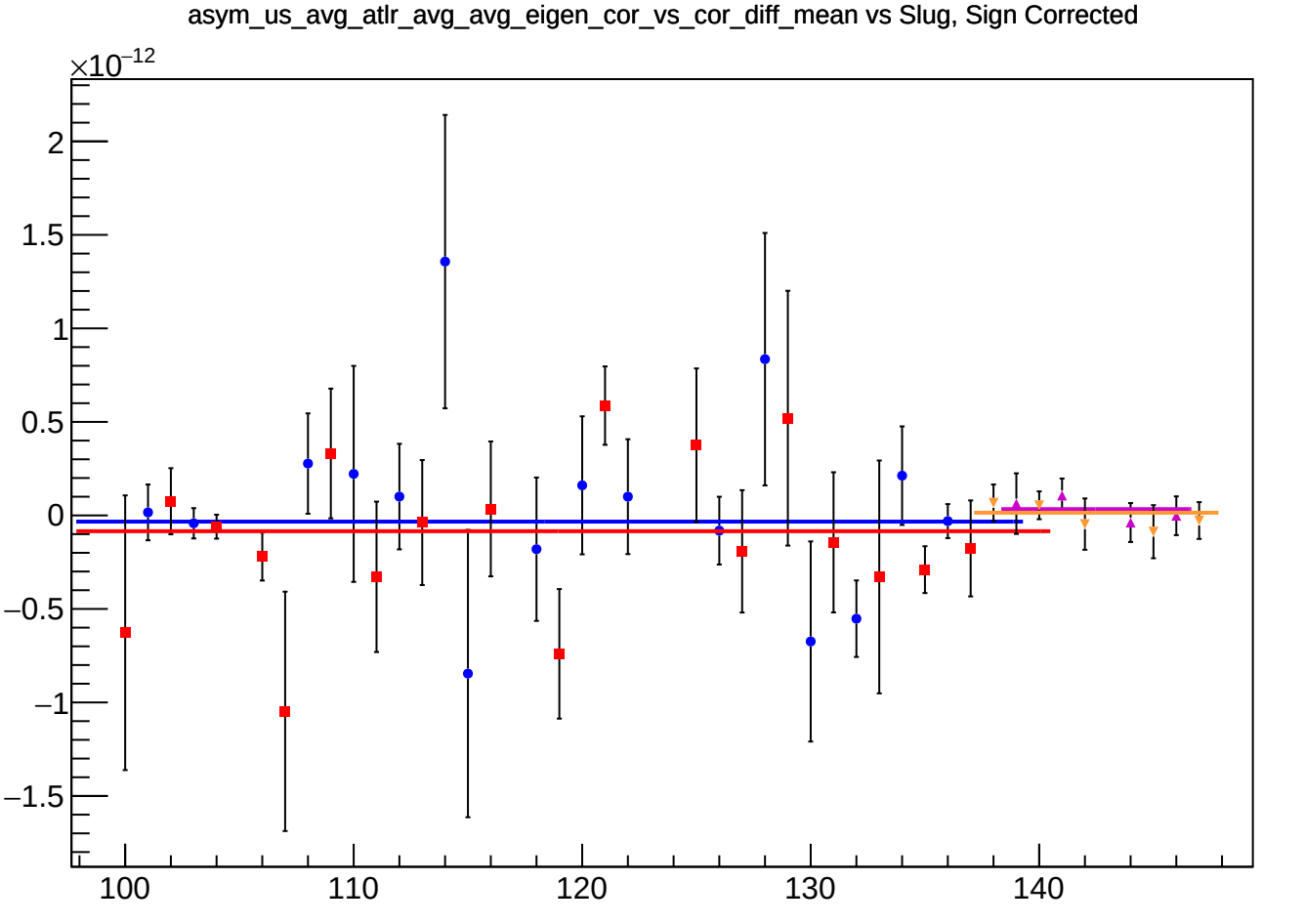
Left: 395.858+/-0.108 χ^2/NDF: 559317.0/8

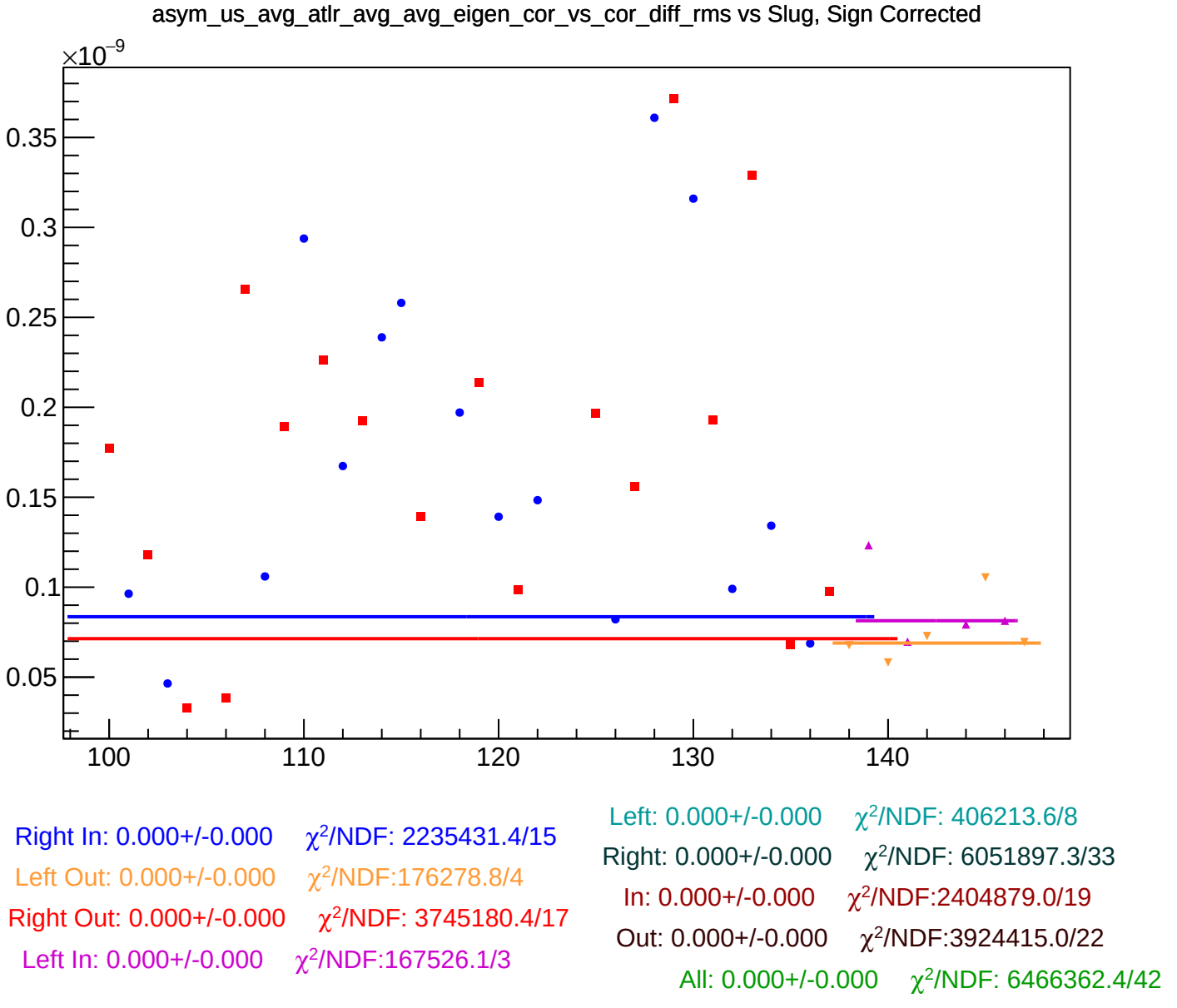
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

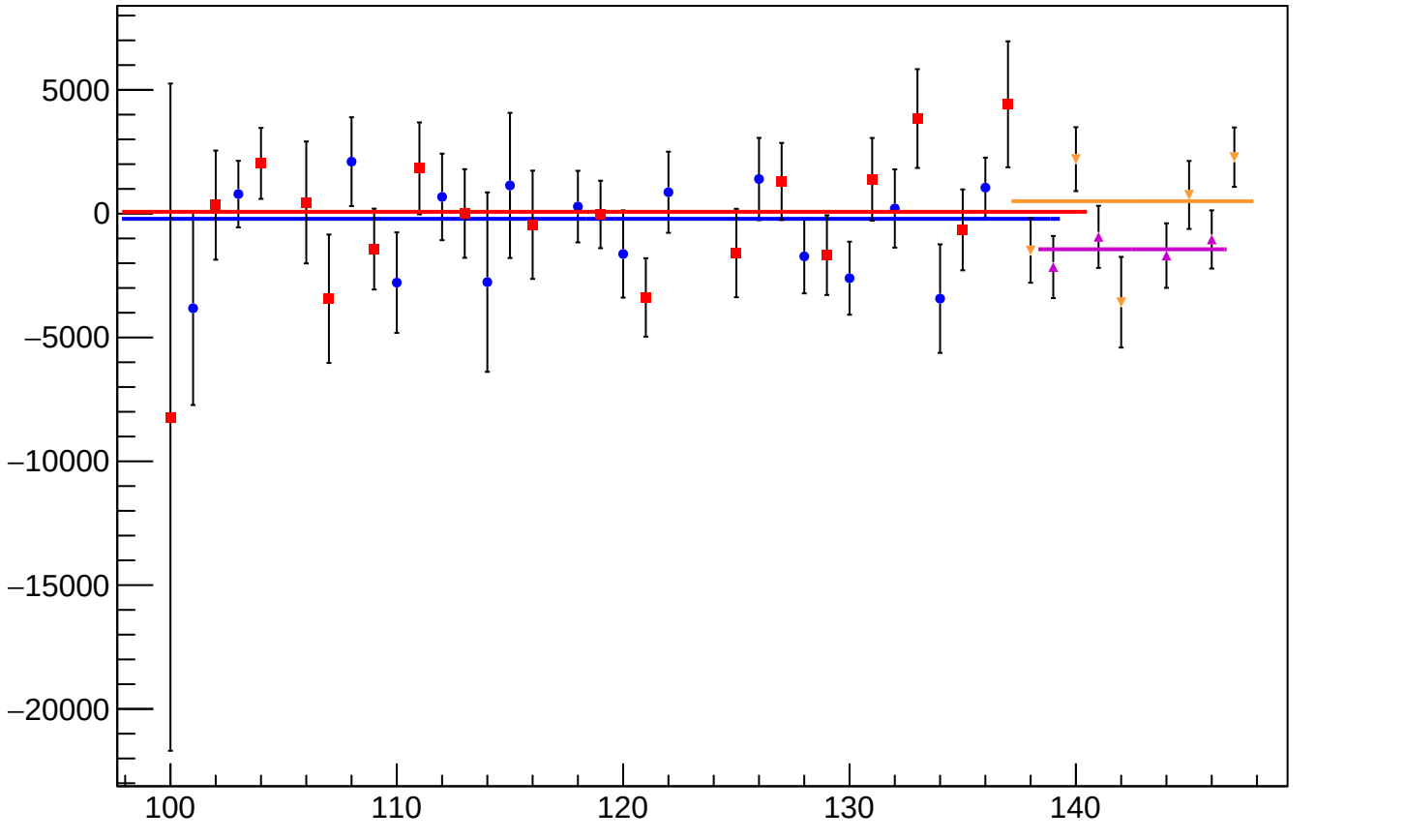
In: 246.222+/-0.058 χ^2/NDF:2259295.0/19

Out: 237.183+/-0.058 χ^2/NDF:3231787.4/22

All: 241.683+/-0.041 χ^2/NDF: 5503362.5/42


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
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1.5/4
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: 0.000+/-0.000 χ²/NDF:1.3/3
Left: 0.000+/-0.000 χ²/NDF: 2.8/8
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:19.4/19
Out: -0.000+/-0.000 χ²/NDF:29.7/22
All: -0.000+/-0.000 χ²/NDF: 49.5/42


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
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:176278.8/4
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:167526.1/3
Left: 0.000+/-0.000 χ²/NDF: 406213.6/8
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:2404879.0/19
Out: 0.000+/-0.000 χ²/NDF:3924415.0/22
All: 0.000+/-0.000 χ²/NDF: 6466362.4/42



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 503.908+/-607.136 χ^2/NDF:11.3/4

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -1437.033+/-622.168 χ^2/NDF:0.6/3

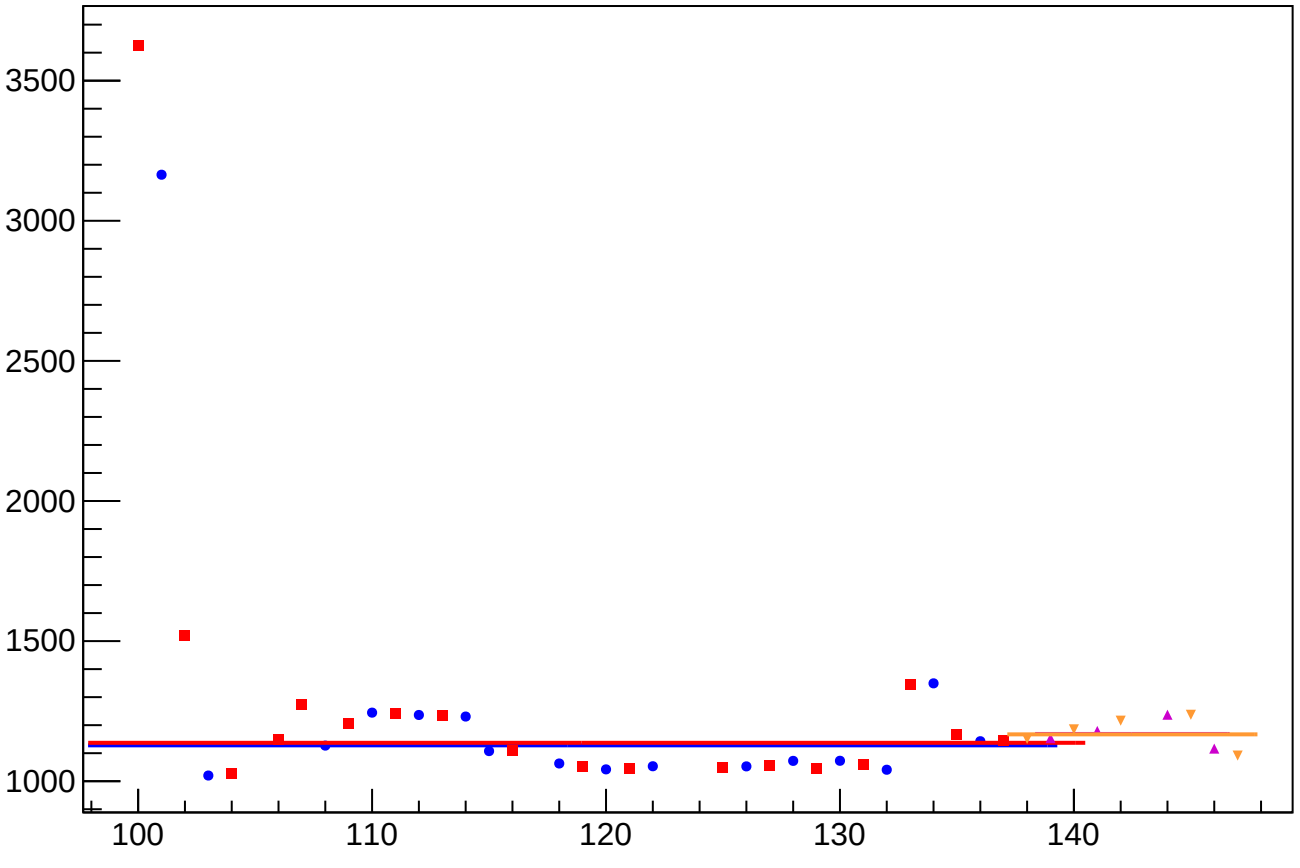
Left: -442.831+/-434.527 χ^2/NDF: 16.9/8

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -604.463+/-353.266 χ^2/NDF:18.1/19

Out: 219.023+/-351.318 χ^2/NDF:32.2/22

All: -190.444+/-249.105 χ^2/NDF: 53.0/42



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1167.203+/-0.429 χ^2/NDF:15265.2/4

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

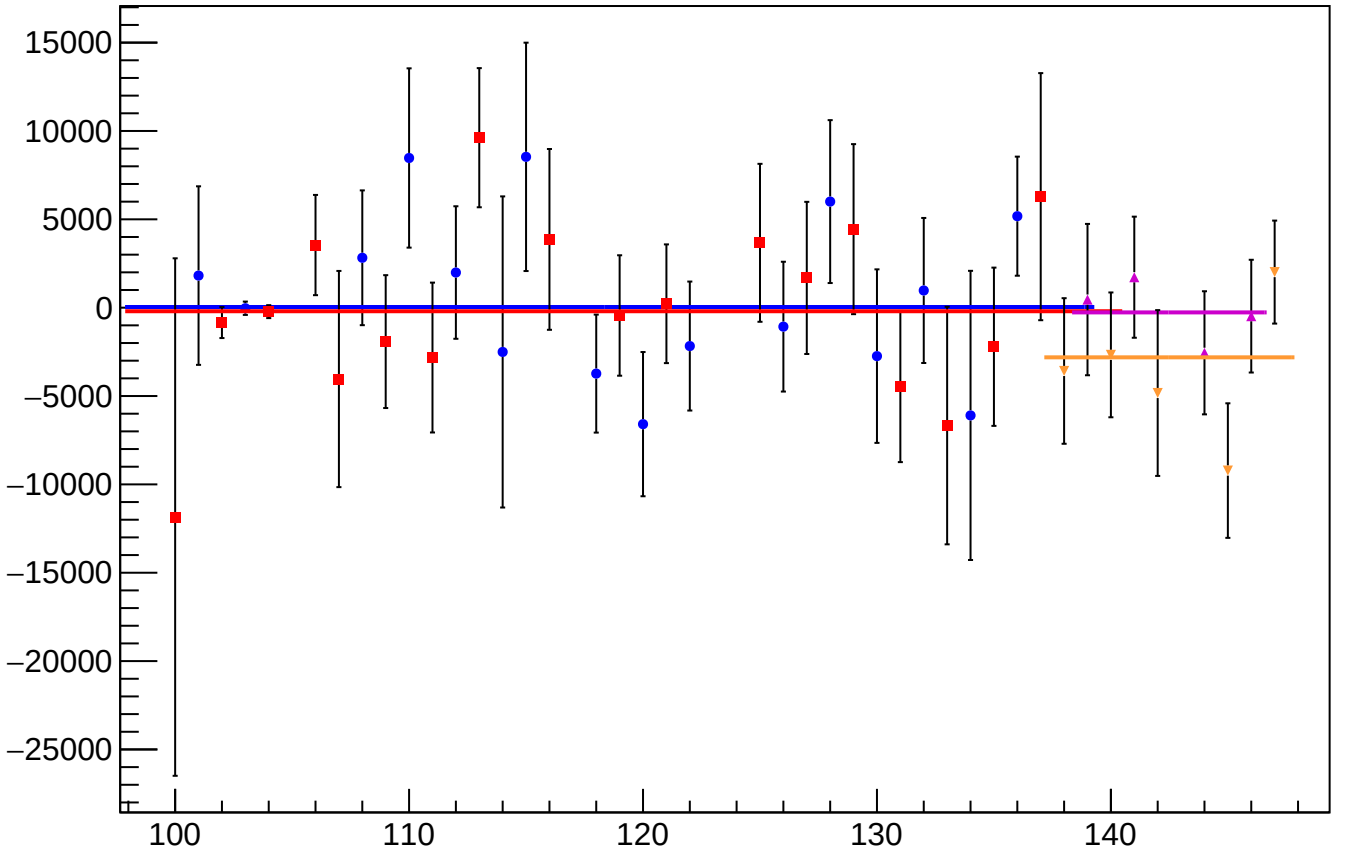
Left: 1167.878+/-0.307 χ^2/NDF: 25205.3/8

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1141.090+/-0.250 χ^2/NDF:637094.6/19

Out: 1147.116+/-0.248 χ^2/NDF:238638.7/22

All: 1144.123+/-0.176 χ^2/NDF: 876026.2/42



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -2810.336+/-1641.218 χ^2/NDF:5.8/4

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -267.627+/-1766.754 χ^2/NDF:0.8/3

Left: -1632.518+/-1202.450 χ^2/NDF: 7.7/8

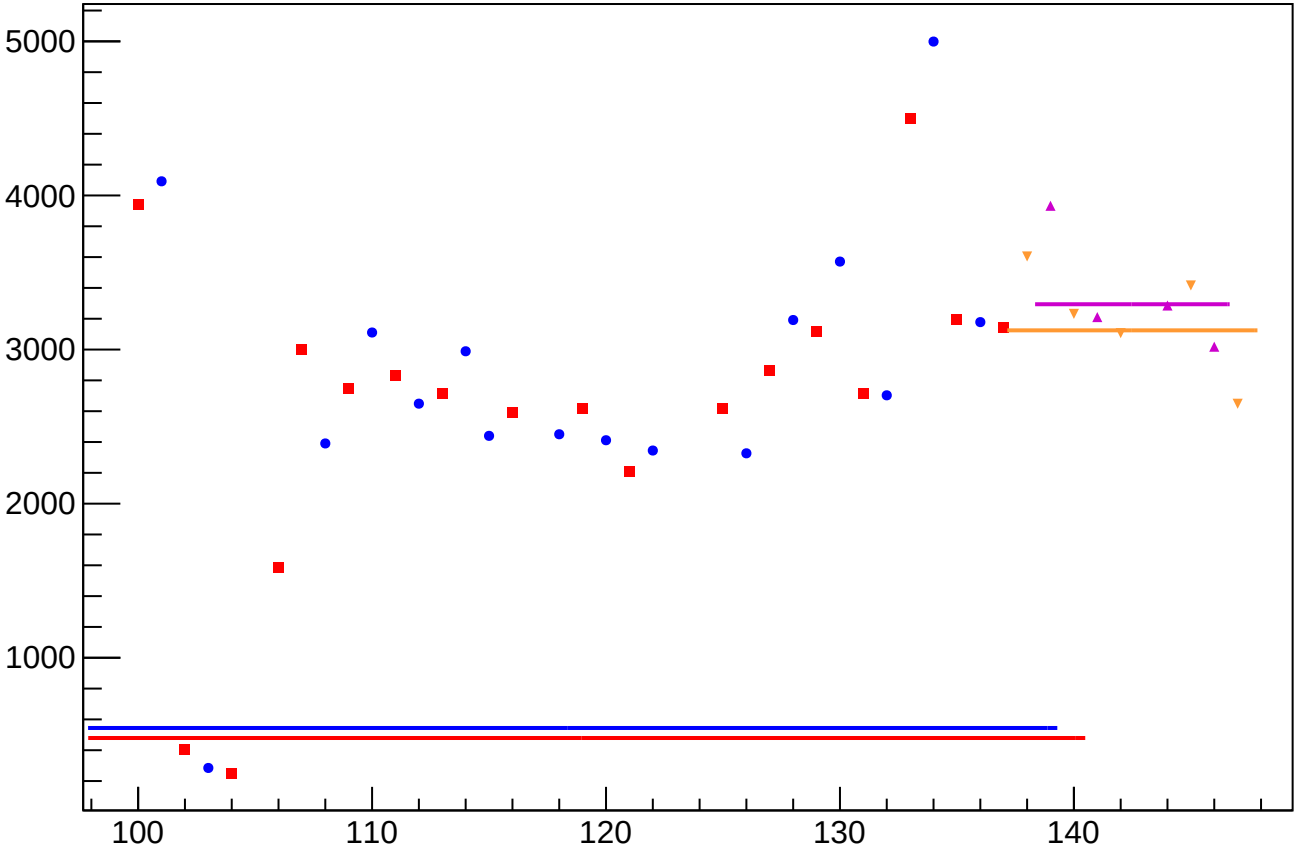
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 26.257+/-350.541 χ^2/NDF:15.7/19

Out: -298.651+/-316.491 χ^2/NDF:23.9/22

All: -152.739+/-234.911 χ^2/NDF: 40.0/42

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: 3124.620+/-1.161 χ^2/NDF:94109.9/4

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3294.106+/-1.249 χ^2/NDF:60626.6/3

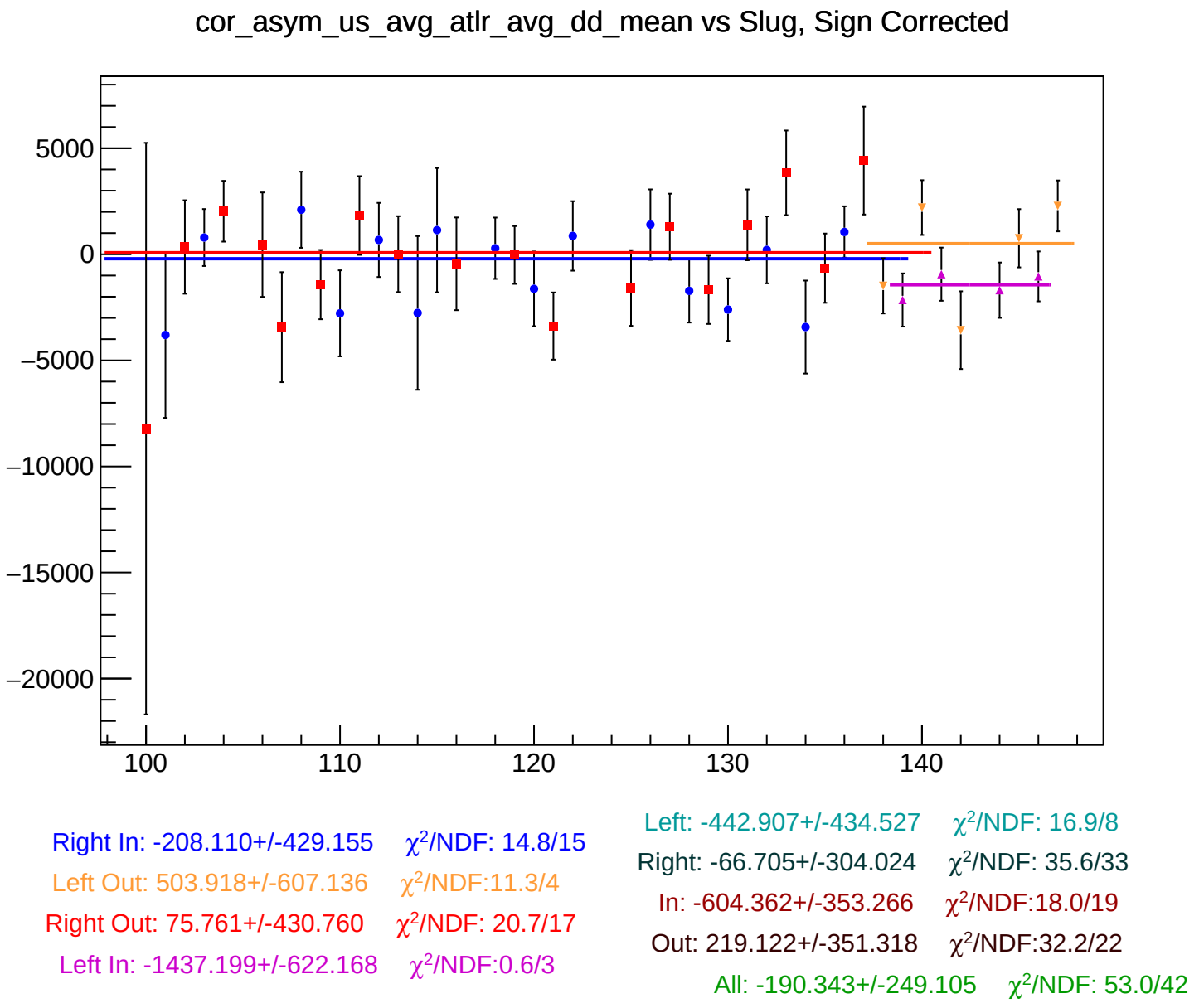
Left: 3203.128+/-0.850 χ^2/NDF: 164616.2/8

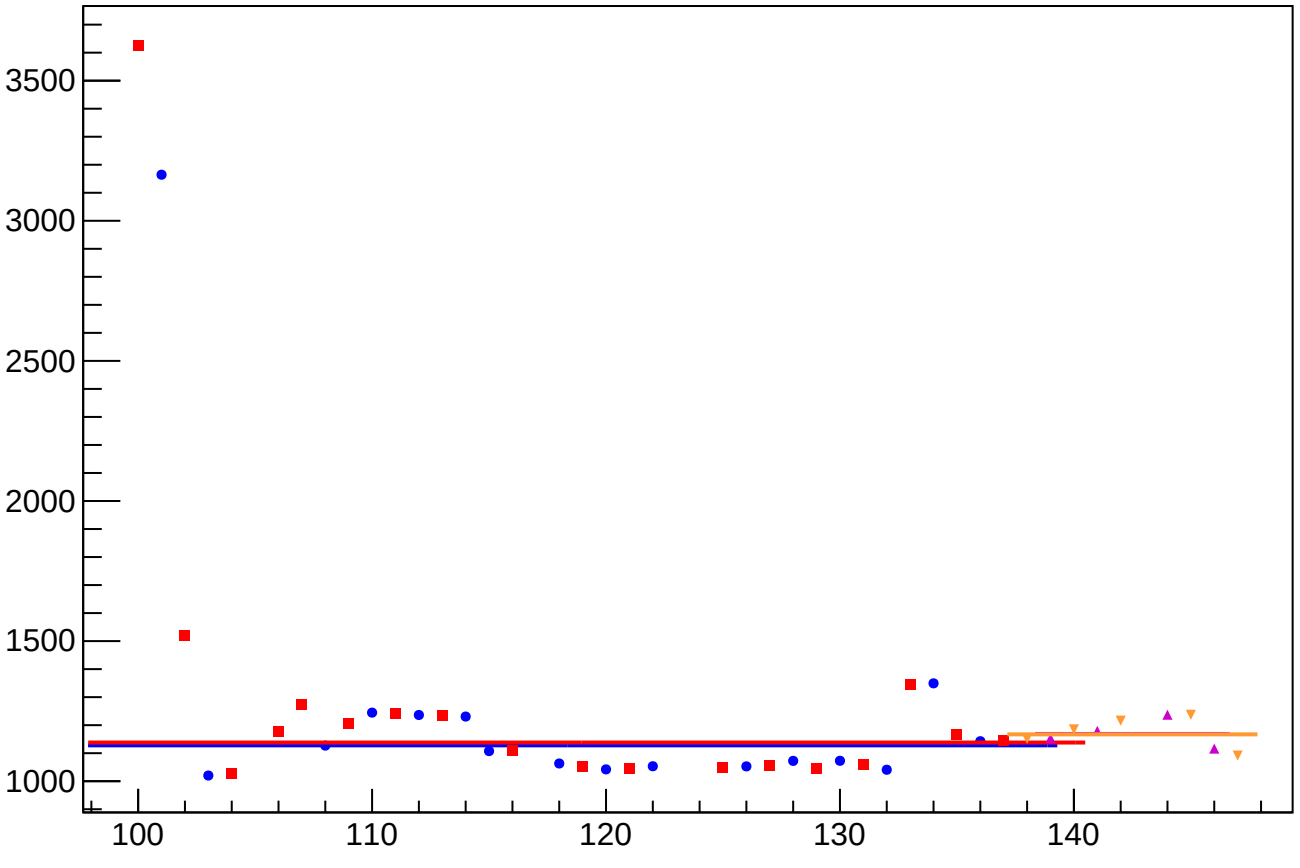
Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 652.584+/-0.248 χ^2/NDF:14397614.5/19

Out: 577.626+/-0.224 χ^2/NDF:14284876.0/22

All: 611.288+/-0.166 χ^2/NDF: 28732872.9/42


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 503.918+/-607.136 χ²/NDF:11.3/4
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -1437.199+/-622.168 χ²/NDF:0.6/3
Left: -442.907+/-434.527 χ²/NDF: 16.9/8
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -604.362+/-353.266 χ²/NDF:18.0/19
Out: 219.122+/-351.318 χ²/NDF:32.2/22
All: -190.343+/-249.105 χ²/NDF: 53.0/42



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1167.203+/-0.429 χ^2/NDF:15265.2/4

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1168.587+/-0.440 χ^2/NDF:9935.0/3

Left: 1167.878+/-0.307 χ^2/NDF: 25205.3/8

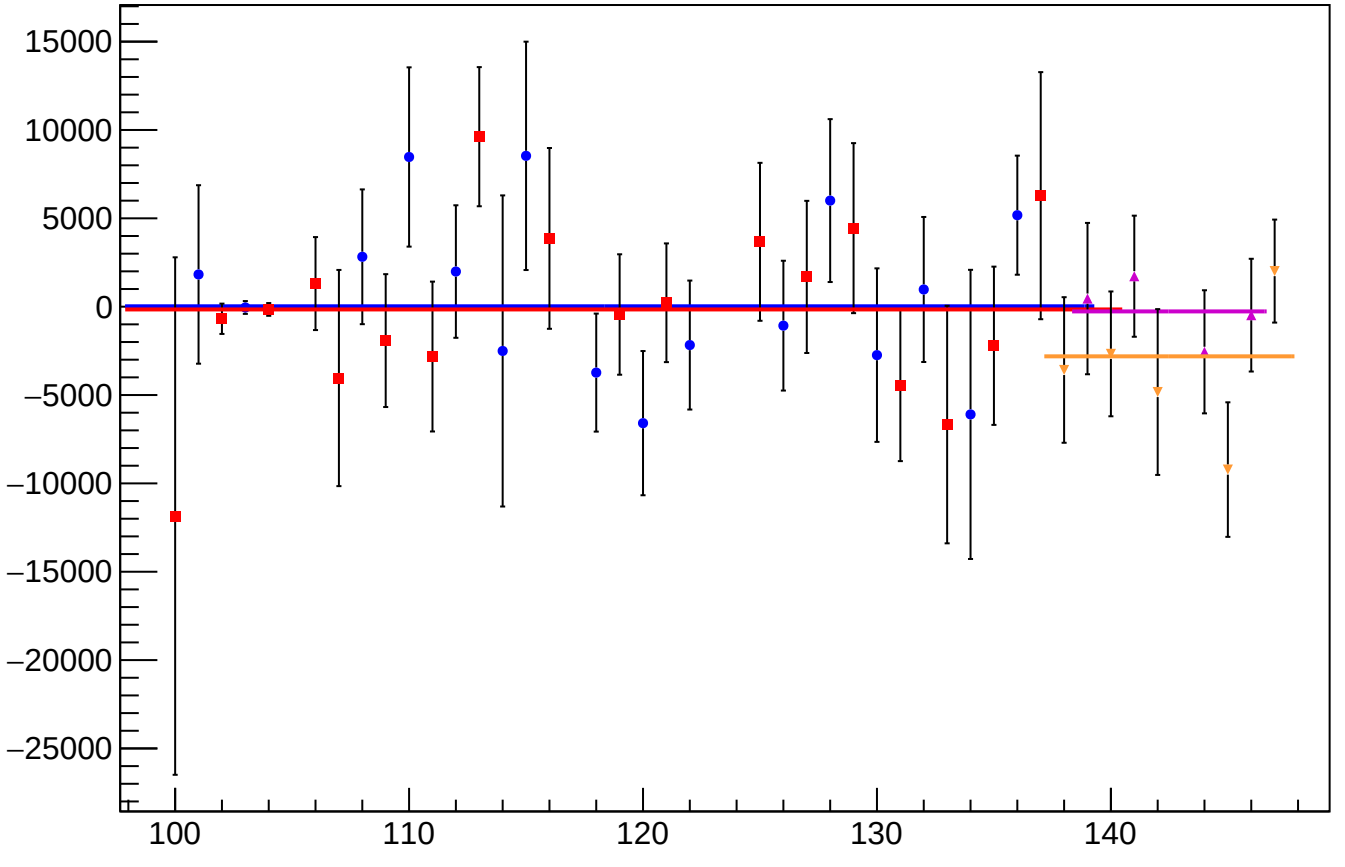
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1141.090+/-0.250 χ^2/NDF:637095.8/19

Out: 1147.771+/-0.248 χ^2/NDF:238968.8/22

All: 1144.450+/-0.176 χ^2/NDF: 876424.4/42

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: -2810.316+/-1641.218 χ^2/NDF:5.8/4

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -267.642+/-1766.754 χ^2/NDF:0.8/3

Left: -1632.514+/-1202.450 χ^2/NDF: 7.7/8

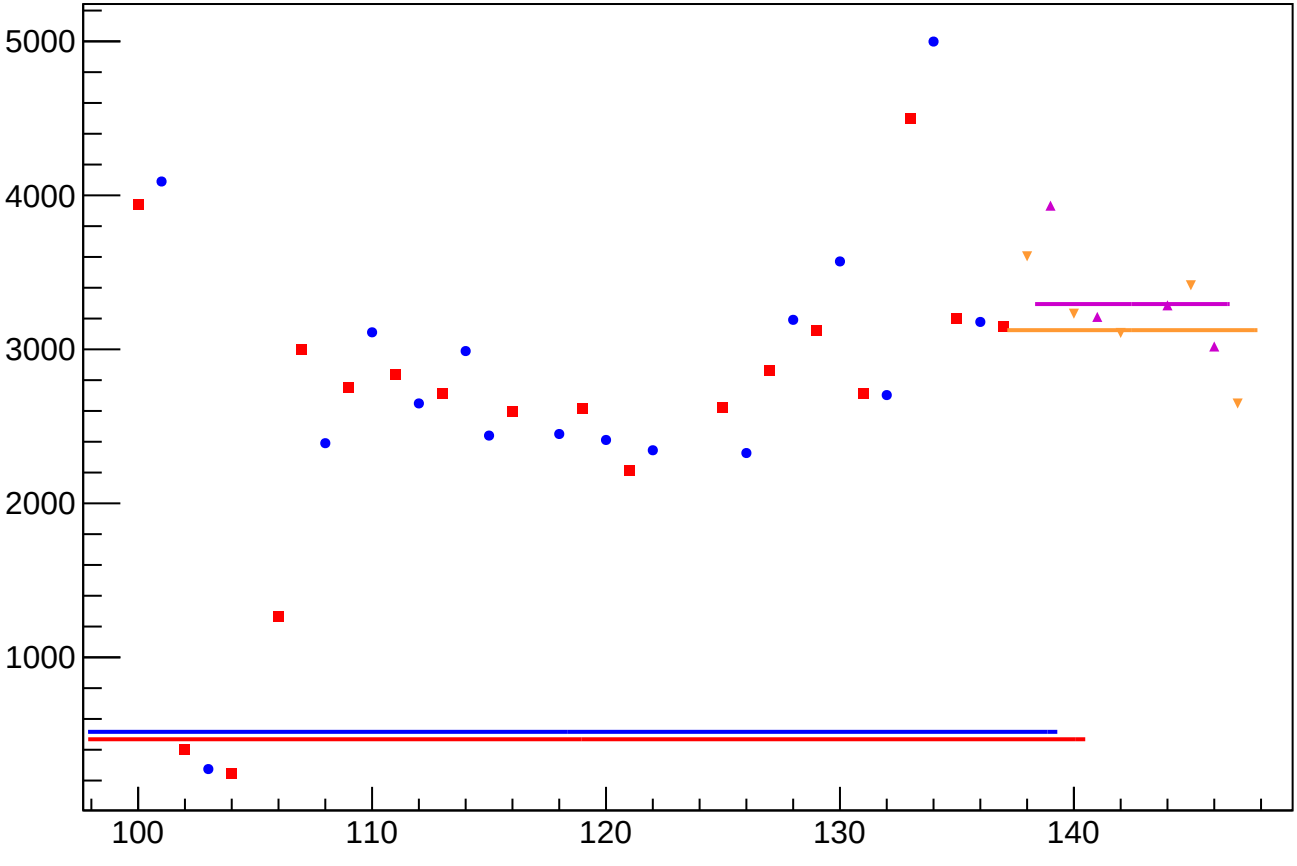
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: 11.047+/-338.156 χ^2/NDF:15.7/19

Out: -251.898+/-311.595 χ^2/NDF:22.3/22

All: -131.156+/-229.146 χ^2/NDF: 38.3/42

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3124.622+/-1.161 χ^2/NDF:94105.2/4

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3294.105+/-1.249 χ^2/NDF:60627.6/3

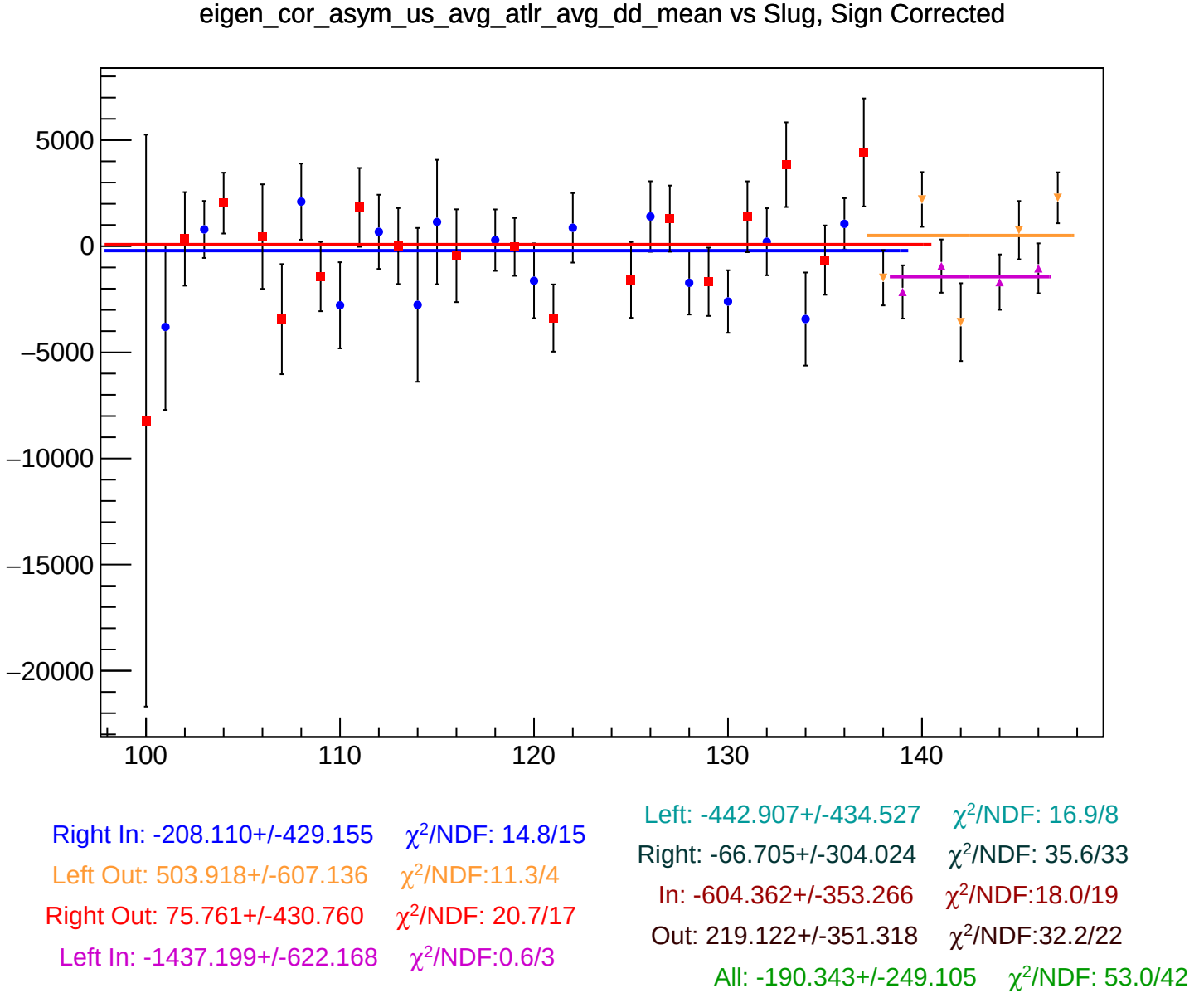
Left: 3203.129+/-0.850 χ^2/NDF: 164612.2/8

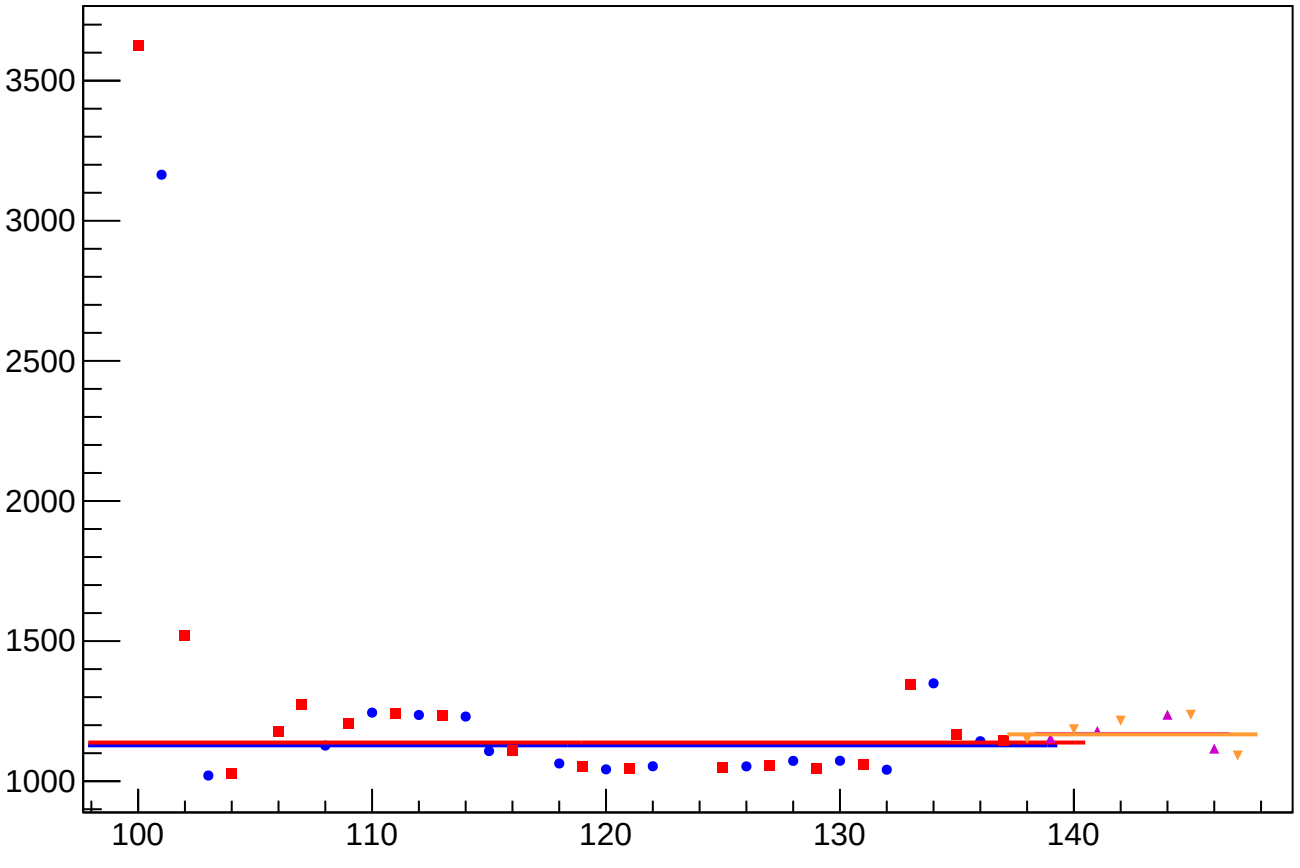
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

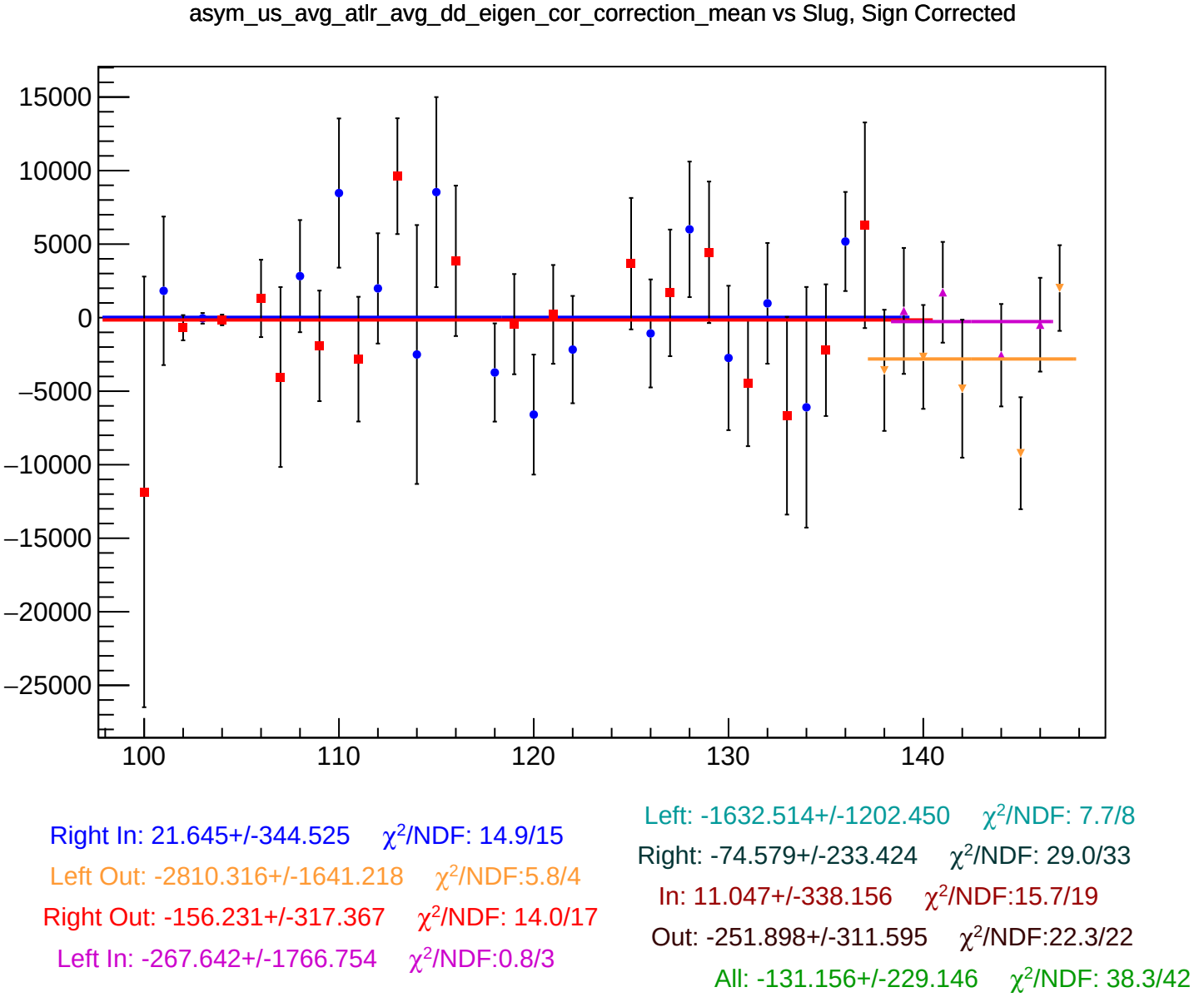
In: 618.058+/-0.239 χ^2/NDF:14658221.1/19

Out: 563.816+/-0.220 χ^2/NDF:14256518.3/22

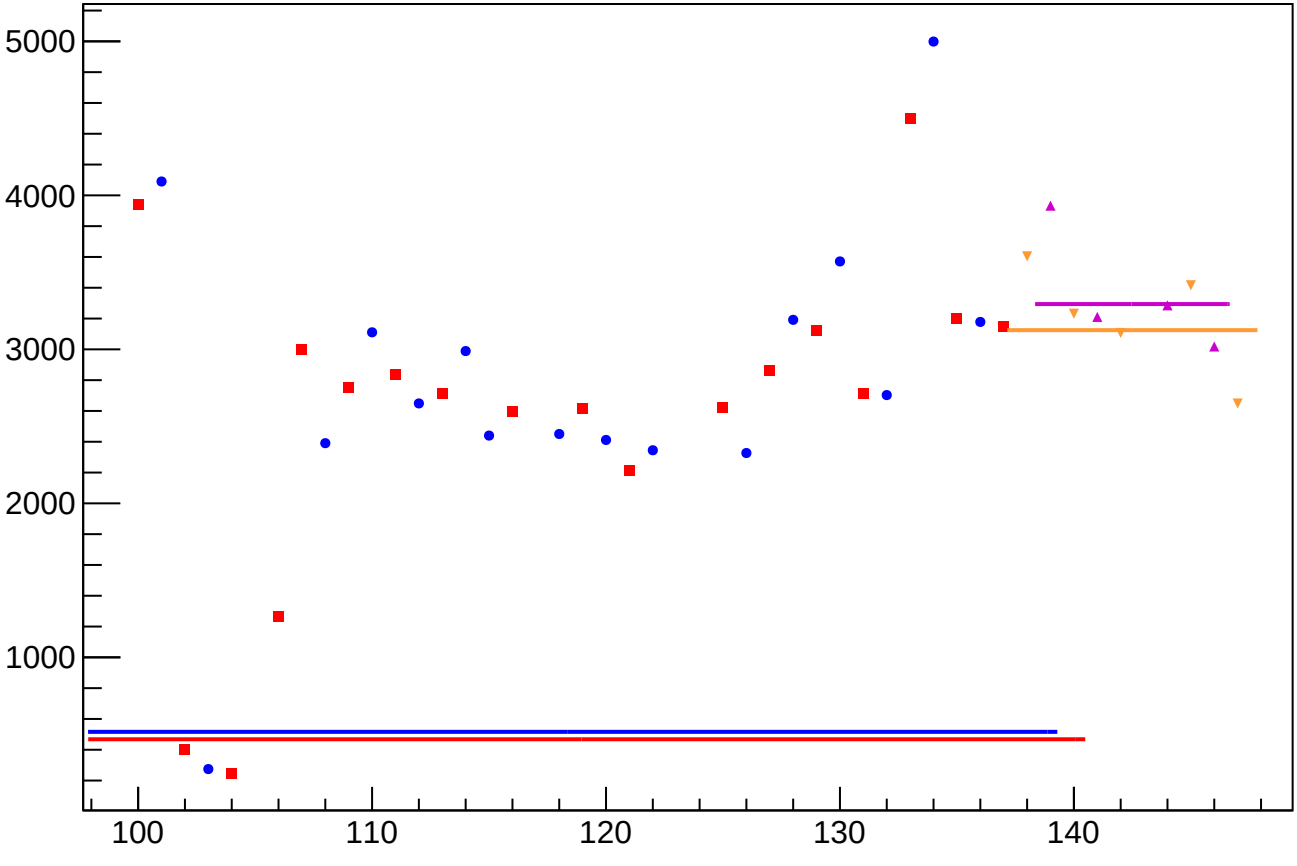
All: 588.724+/-0.162 χ^2/NDF: 28942569.6/42


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 503.918+/-607.136 χ²/NDF:11.3/4
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -1437.199+/-622.168 χ²/NDF:0.6/3
Left: -442.907+/-434.527 χ²/NDF: 16.9/8
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -604.362+/-353.266 χ²/NDF:18.0/19
Out: 219.122+/-351.318 χ²/NDF:32.2/22
All: -190.343+/-249.105 χ²/NDF: 53.0/42


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1167.203+/-0.429 χ²/NDF:15265.2/4
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1168.587+/-0.440 χ²/NDF:9935.0/3
Left: 1167.878+/-0.307 χ²/NDF: 25205.3/8
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1141.090+/-0.250 χ²/NDF:637095.8/19
Out: 1147.771+/-0.248 χ²/NDF:238968.8/22
All: 1144.450+/-0.176 χ²/NDF: 876424.4/42


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -2810.316+/-1641.218 χ²/NDF:5.8/4
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -267.642+/-1766.754 χ²/NDF:0.8/3
Left: -1632.514+/-1202.450 χ²/NDF: 7.7/8
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: 11.047+/-338.156 χ²/NDF:15.7/19
Out: -251.898+/-311.595 χ²/NDF:22.3/22
All: -131.156+/-229.146 χ²/NDF: 38.3/42

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: 3124.622+/-1.161 χ^2/NDF:94105.2/4

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3294.105+/-1.249 χ^2/NDF:60627.6/3

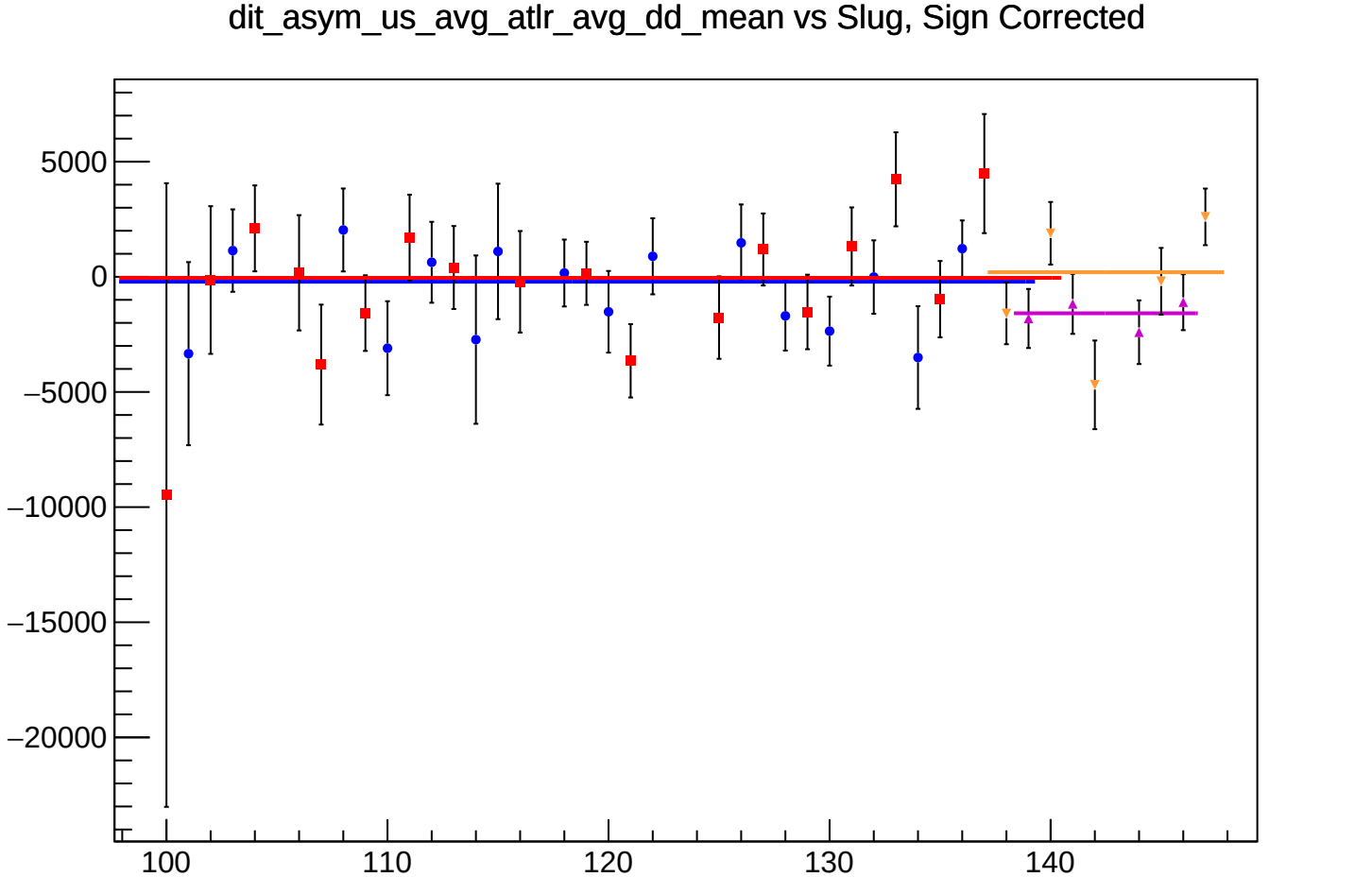
Left: 3203.129+/-0.850 χ^2/NDF: 164612.2/8

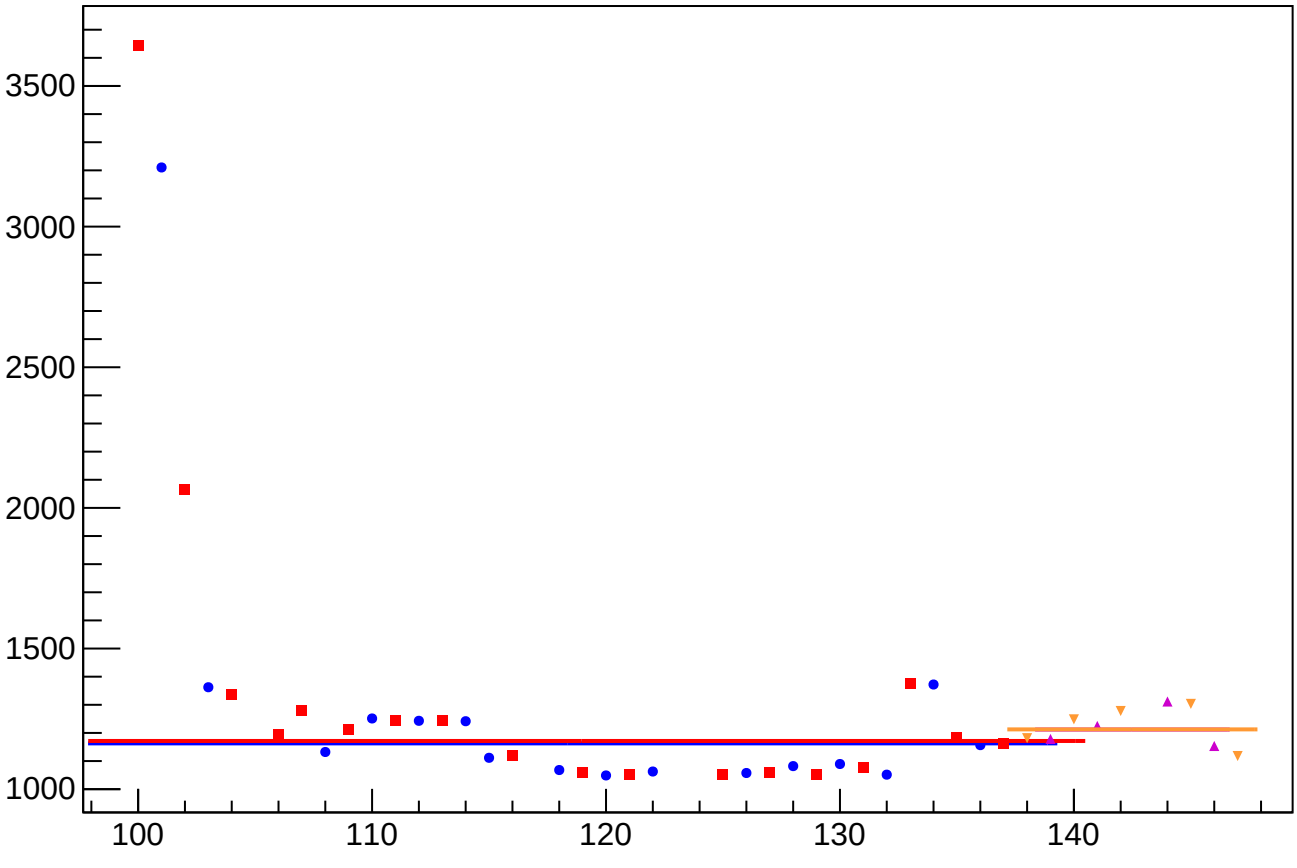
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 618.058+/-0.239 χ^2/NDF:14658221.1/19

Out: 563.816+/-0.220 χ^2/NDF:14256518.3/22

All: 588.724+/-0.162 χ^2/NDF: 28942569.6/42


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
Right In: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: 199.285+/-631.296 χ²/NDF:13.7/4
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -1583.488+/-645.726 χ²/NDF:0.6/3
Left: -671.959+/-451.409 χ²/NDF: 18.2/8
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -651.232+/-365.121 χ²/NDF:18.0/19
Out: 36.273+/-364.929 χ²/NDF:35.4/22
All: -307.299+/-258.111 χ²/NDF: 55.3/42



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1212.589+/-0.446 χ^2/NDF:24506.5/4

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1212.000+/-0.457 χ^2/NDF:16575.0/3

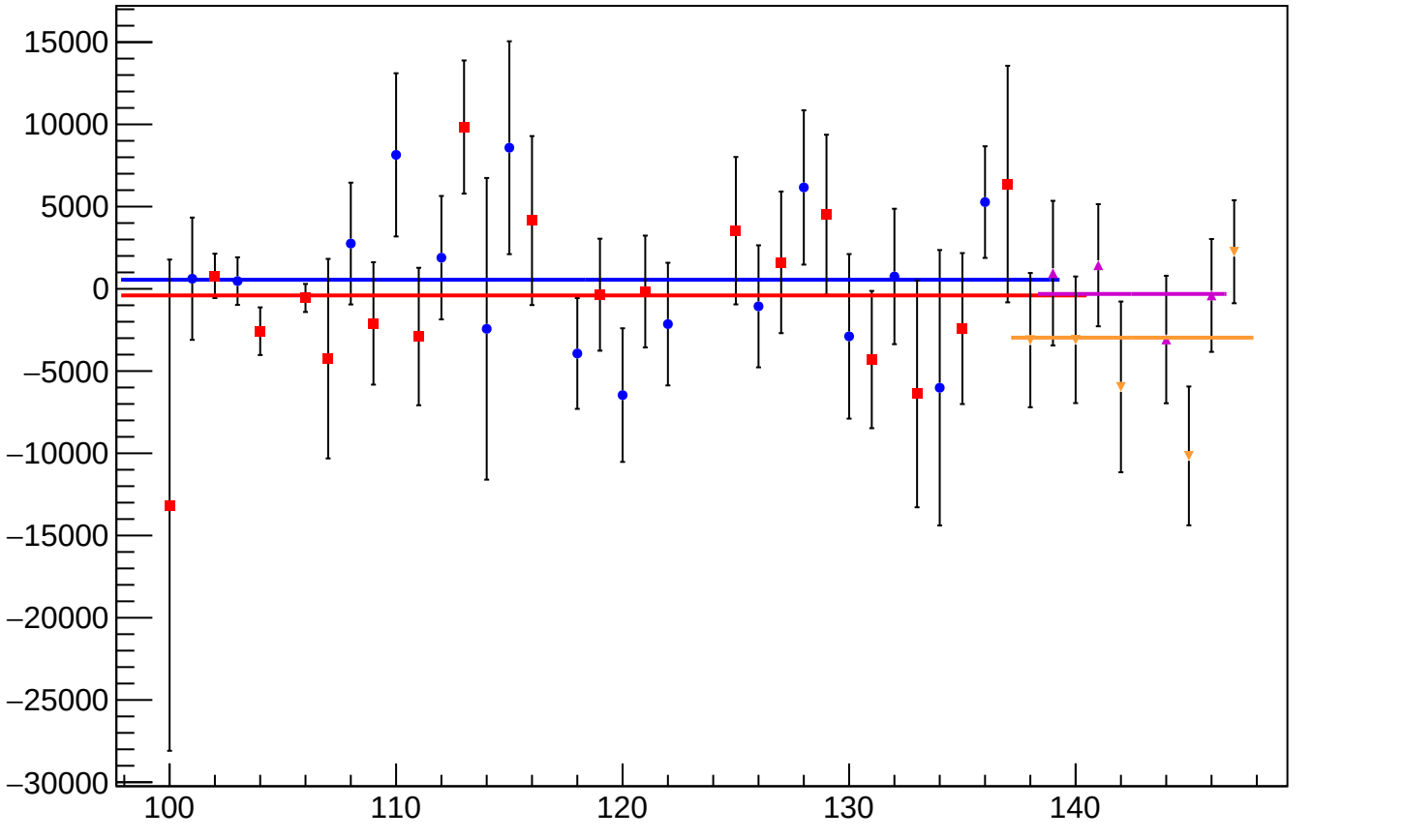
Left: 1212.301+/-0.319 χ^2/NDF: 41082.4/8

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1178.565+/-0.258 χ^2/NDF:659810.5/19

Out: 1185.168+/-0.258 χ^2/NDF:361812.4/22

All: 1181.870+/-0.182 χ^2/NDF: 1021950.2/42



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -2968.725+/-1760.404 χ^2/NDF:6.0/4

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -310.898+/-1904.248 χ^2/NDF:0.8/3

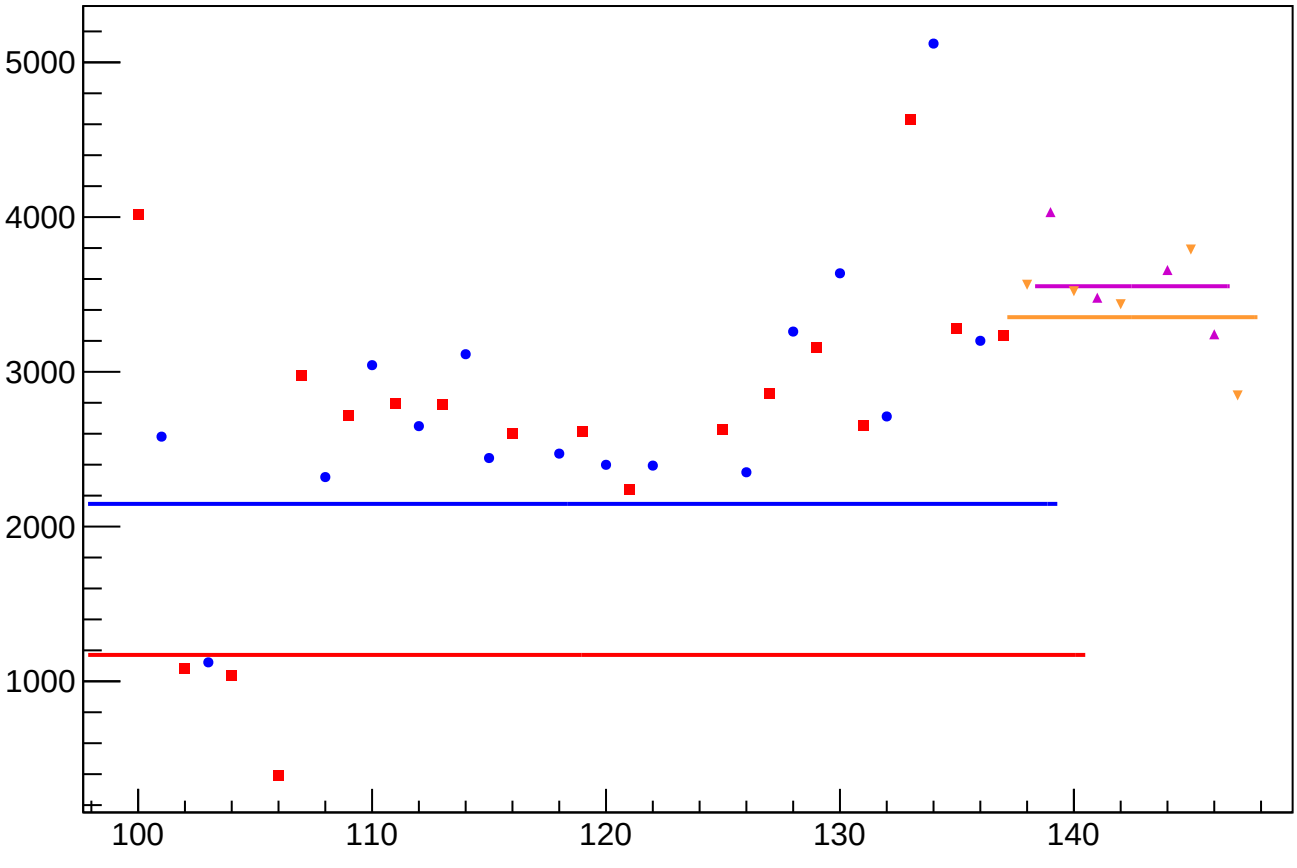
Left: -1743.975+/-1292.659 χ^2/NDF: 7.9/8

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 402.245+/-794.426 χ^2/NDF:15.4/19

Out: -640.952+/-538.723 χ^2/NDF:24.6/22

All: -312.343+/-445.872 χ^2/NDF: 41.2/42



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3353.178+/-1.245 χ^2/NDF:83149.9/4

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3553.216+/-1.347 χ^2/NDF:42387.9/3

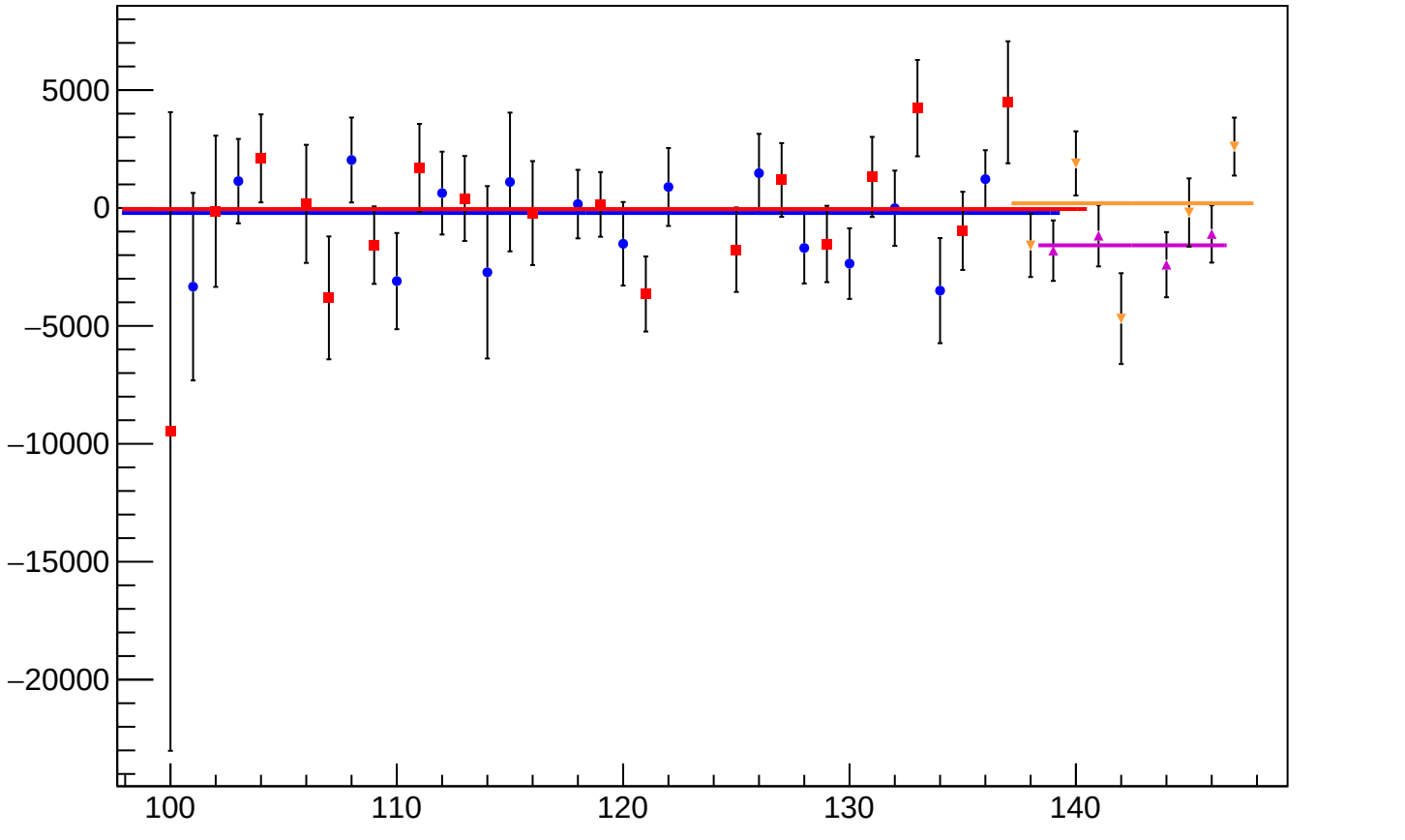
Left: 3445.357+/-0.914 χ^2/NDF: 137437.9/8

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2391.427+/-0.562 χ^2/NDF:2918435.2/19

Out: 1374.973+/-0.381 χ^2/NDF:8687079.5/22

All: 1695.158+/-0.315 χ^2/NDF: 13848298.4/4



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 199.275+/-631.297 χ^2/NDF:13.7/4

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -1583.485+/-645.727 χ^2/NDF:0.6/3

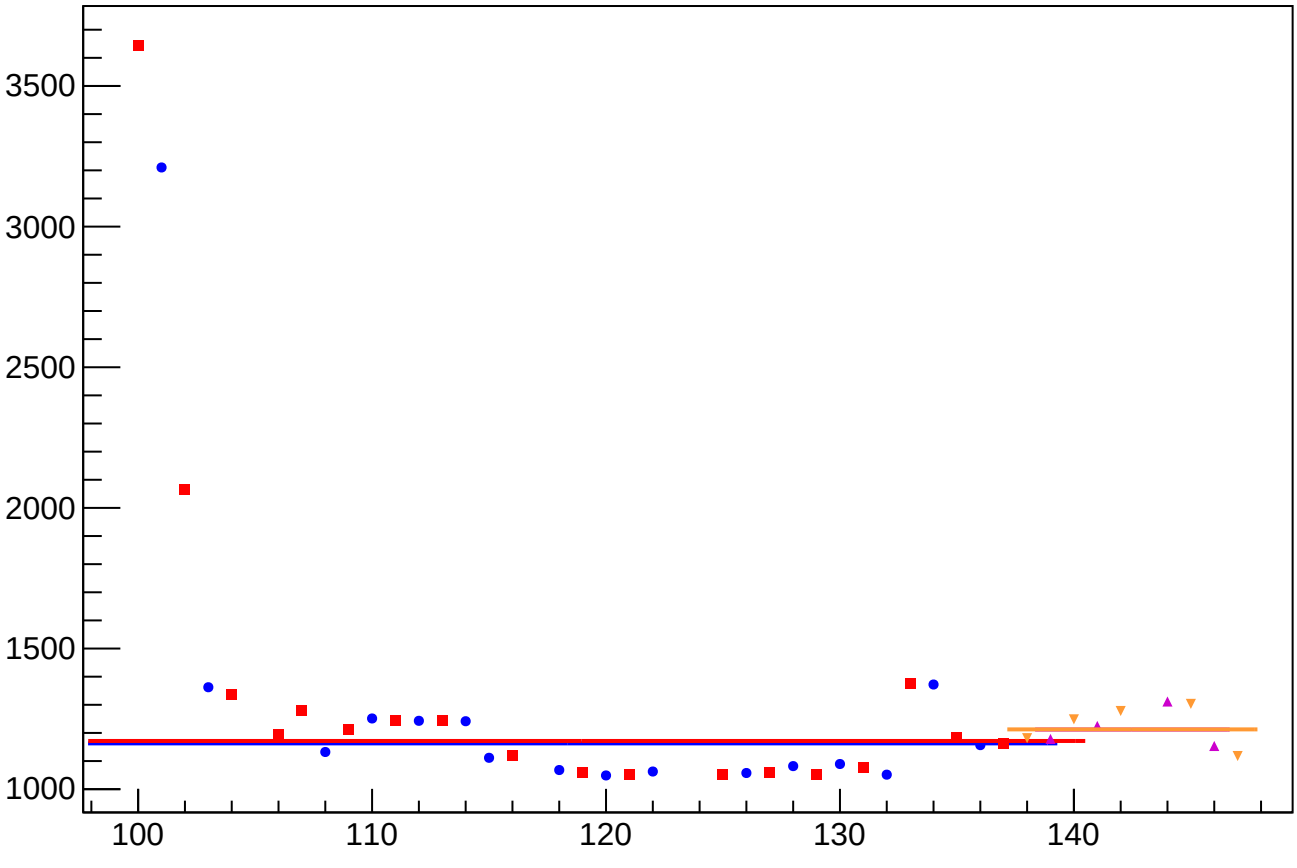
Left: -671.962+/-451.410 χ^2/NDF: 18.2/8

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -651.232+/-365.121 χ^2/NDF:18.0/19

Out: 36.267+/-364.929 χ^2/NDF:35.4/22

All: -307.302+/-258.111 χ^2/NDF: 55.3/42



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1212.590+/-0.446 χ^2/NDF:24506.9/4

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1212.001+/-0.457 χ^2/NDF:16575.0/3

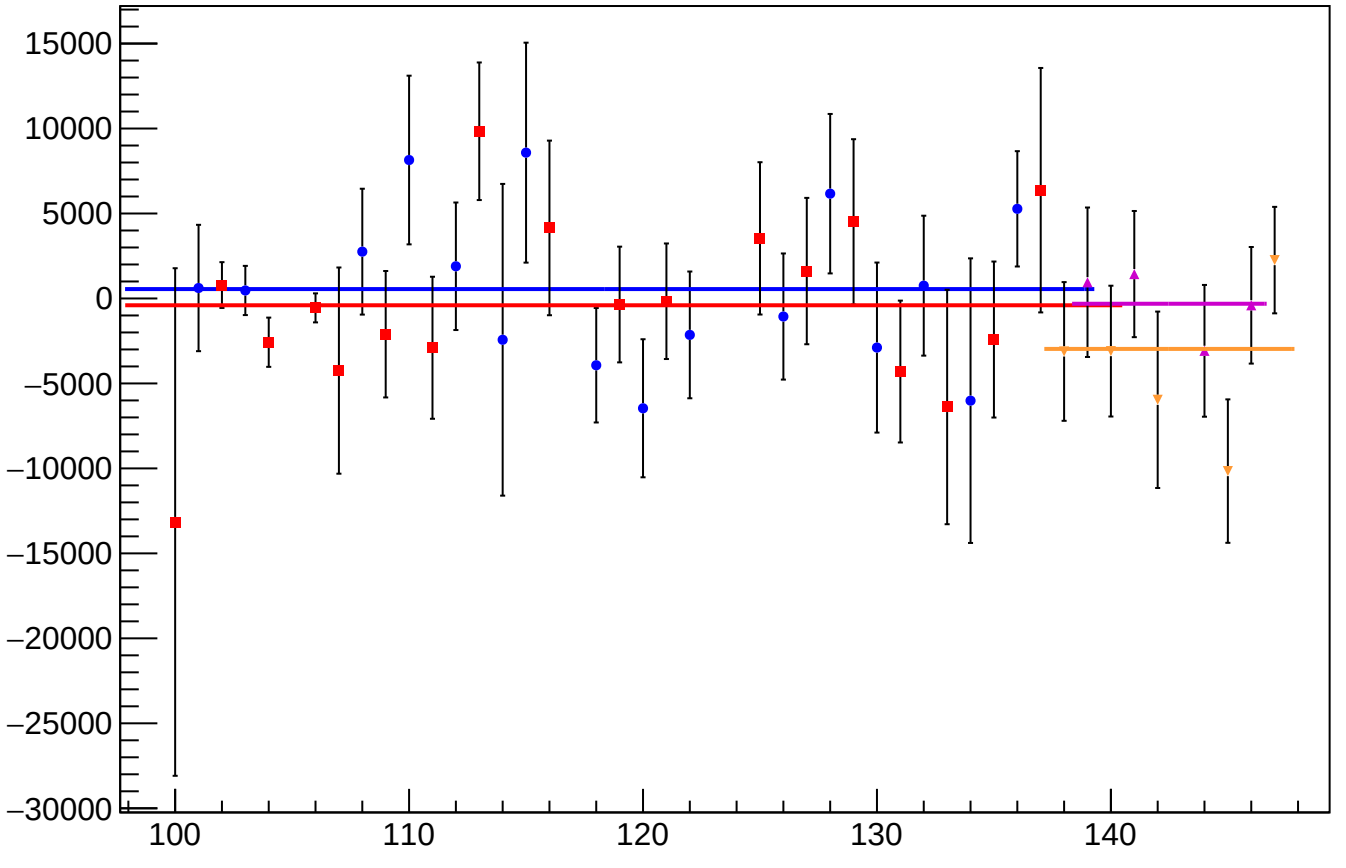
Left: 1212.302+/-0.319 χ^2/NDF: 41082.8/8

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1178.566+/-0.258 χ^2/NDF:659810.9/19

Out: 1185.169+/-0.258 χ^2/NDF:361812.6/22

All: 1181.870+/-0.182 χ^2/NDF: 1021950.9/42



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -2968.731+/-1760.407 χ^2/NDF:6.0/4

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -310.894+/-1904.251 χ^2/NDF:0.8/3

Left: -1743.977+/-1292.661 χ^2/NDF: 7.9/8

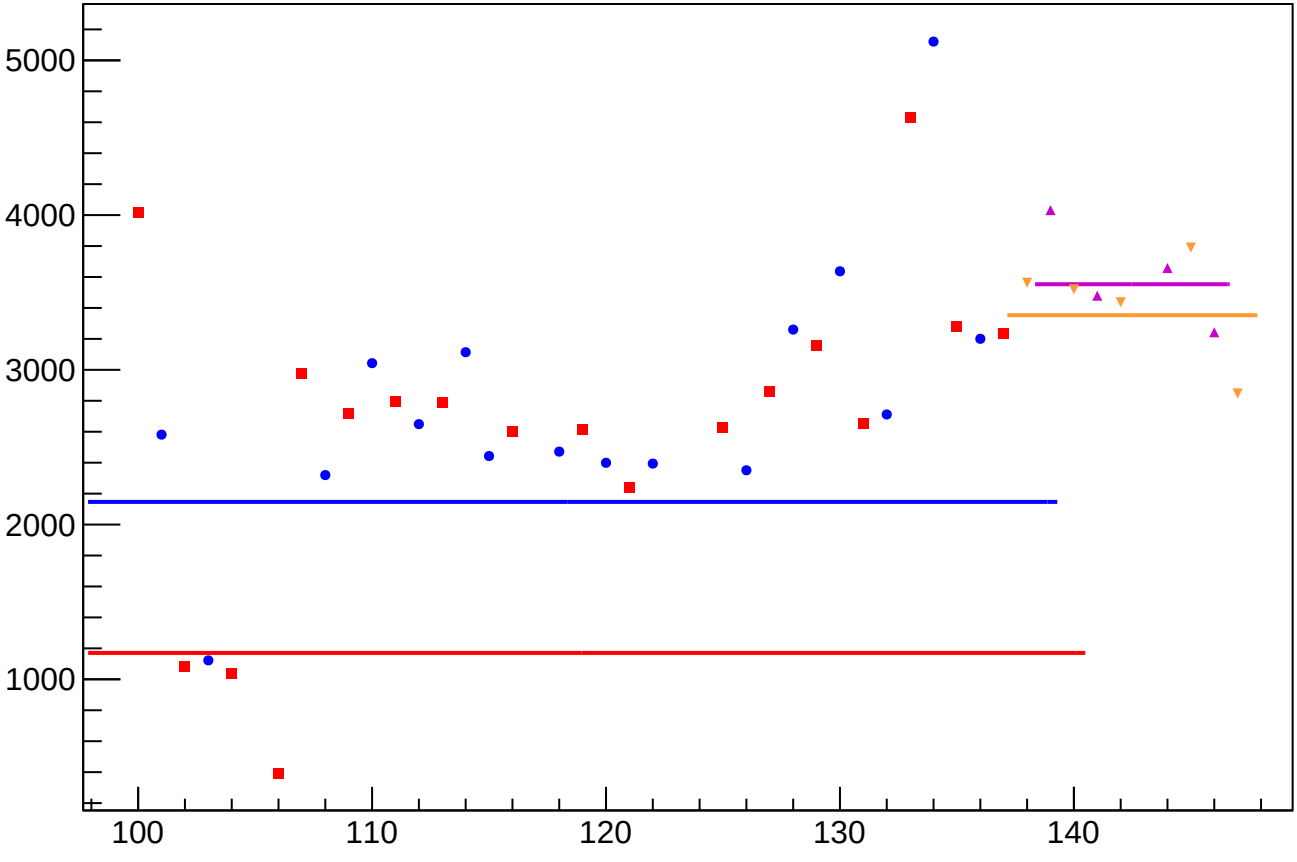
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 402.241+/-794.425 χ^2/NDF:15.4/19

Out: -640.947+/-538.717 χ^2/NDF:24.6/22

All: -312.345+/-445.868 χ^2/NDF: 41.2/42

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: 3353.182+/-1.245 χ^2/NDF:83150.8/4

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3553.221+/-1.347 χ^2/NDF:42388.3/3

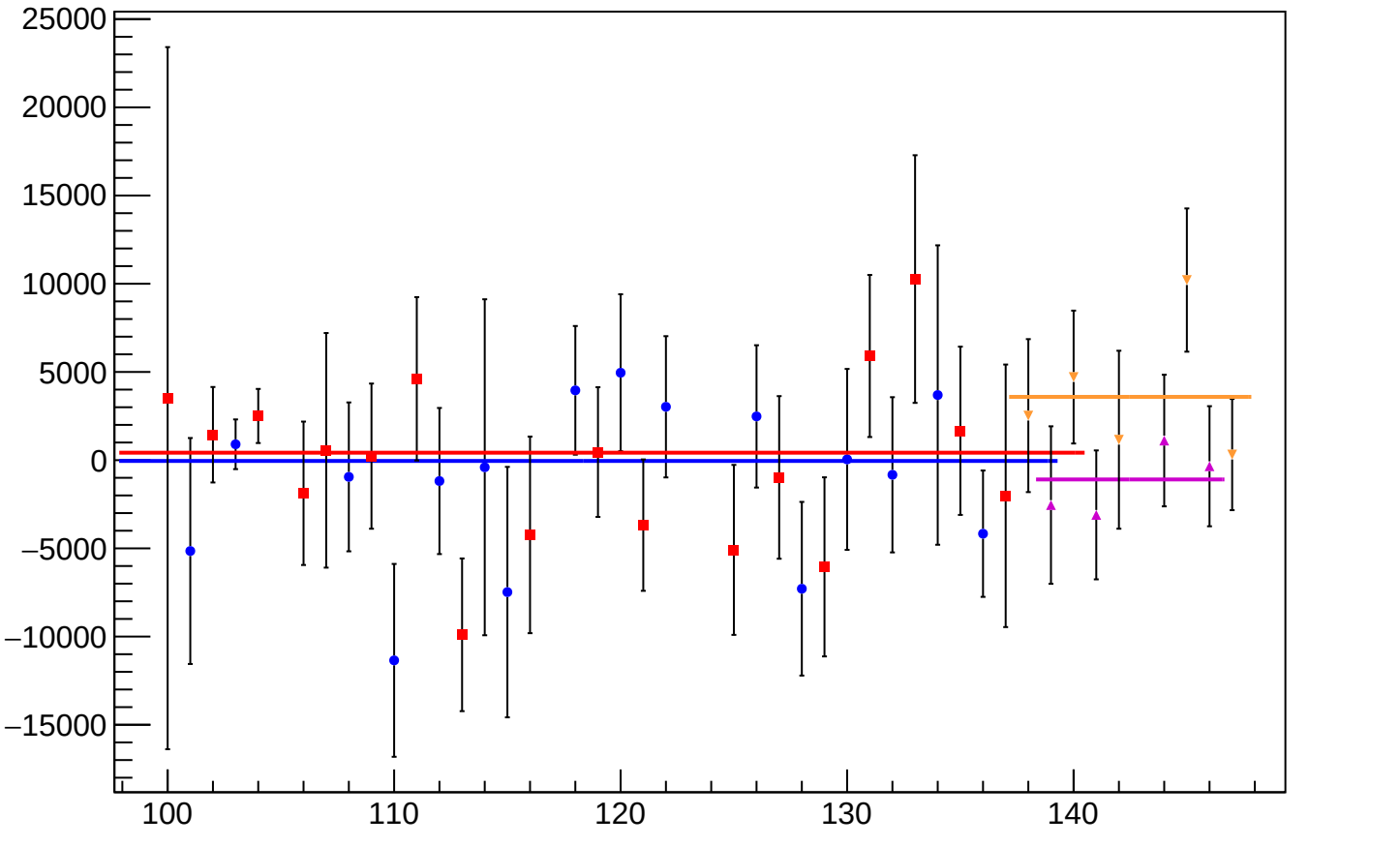
Left: 3445.362+/-0.914 χ^2/NDF: 137439.3/8

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2391.424+/-0.562 χ^2/NDF:2918440.0/19

Out: 1374.948+/-0.381 χ^2/NDF:8687276.6/22

All: 1695.136+/-0.315 χ^2/NDF: 13848618.5/4



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 3587.878+/-1756.068 χ^2/NDF:4.1/4

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -1093.637+/-1879.023 χ^2/NDF:0.8/3

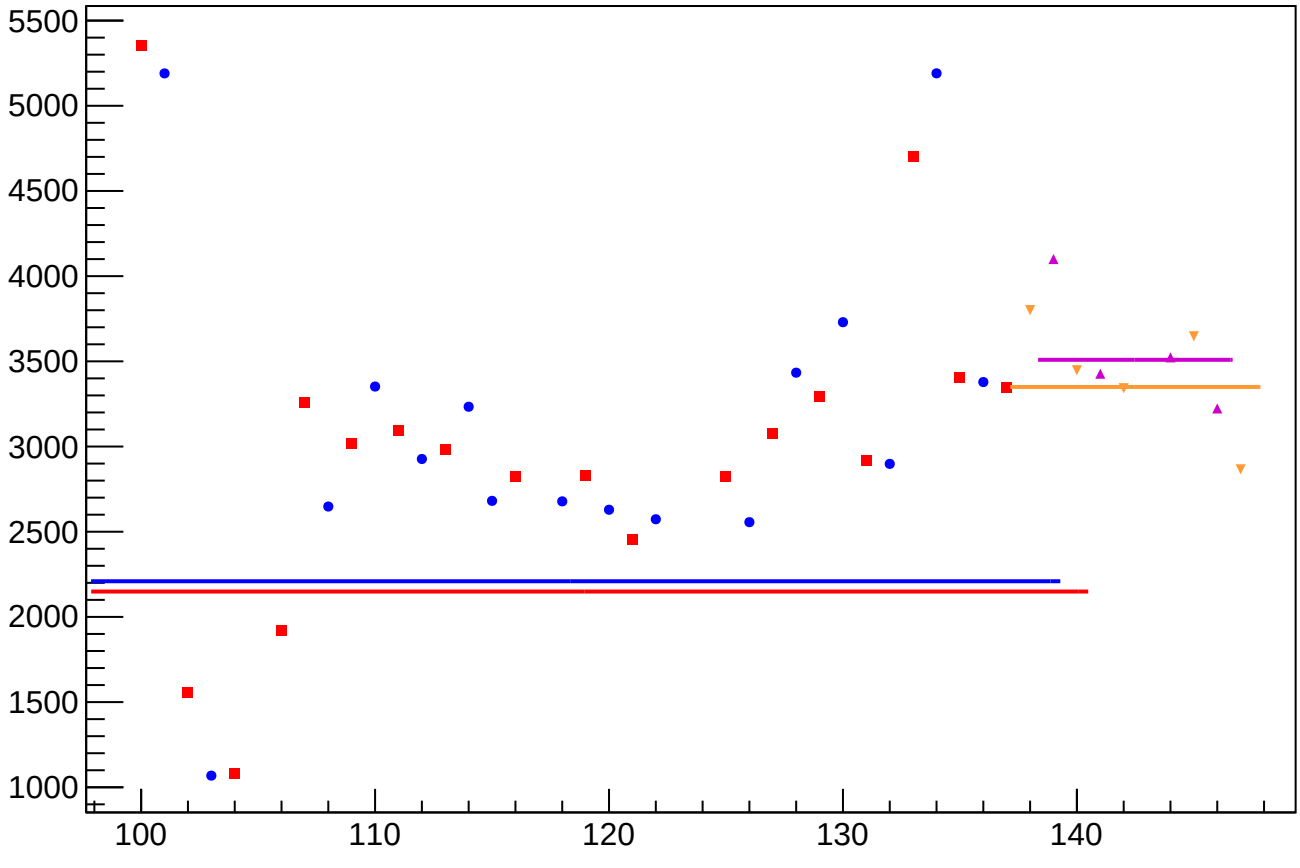
Left: 1405.290+/-1282.995 χ^2/NDF: 8.2/8

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -247.934+/-826.810 χ^2/NDF:14.8/19

Out: 1077.968+/-798.634 χ^2/NDF:24.0/22

All: 437.994+/-574.422 χ^2/NDF: 40.2/42



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3349.682+/-1.242 χ^2/NDF:80767.3/4

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3508.983+/-1.329 χ^2/NDF:50197.1/3

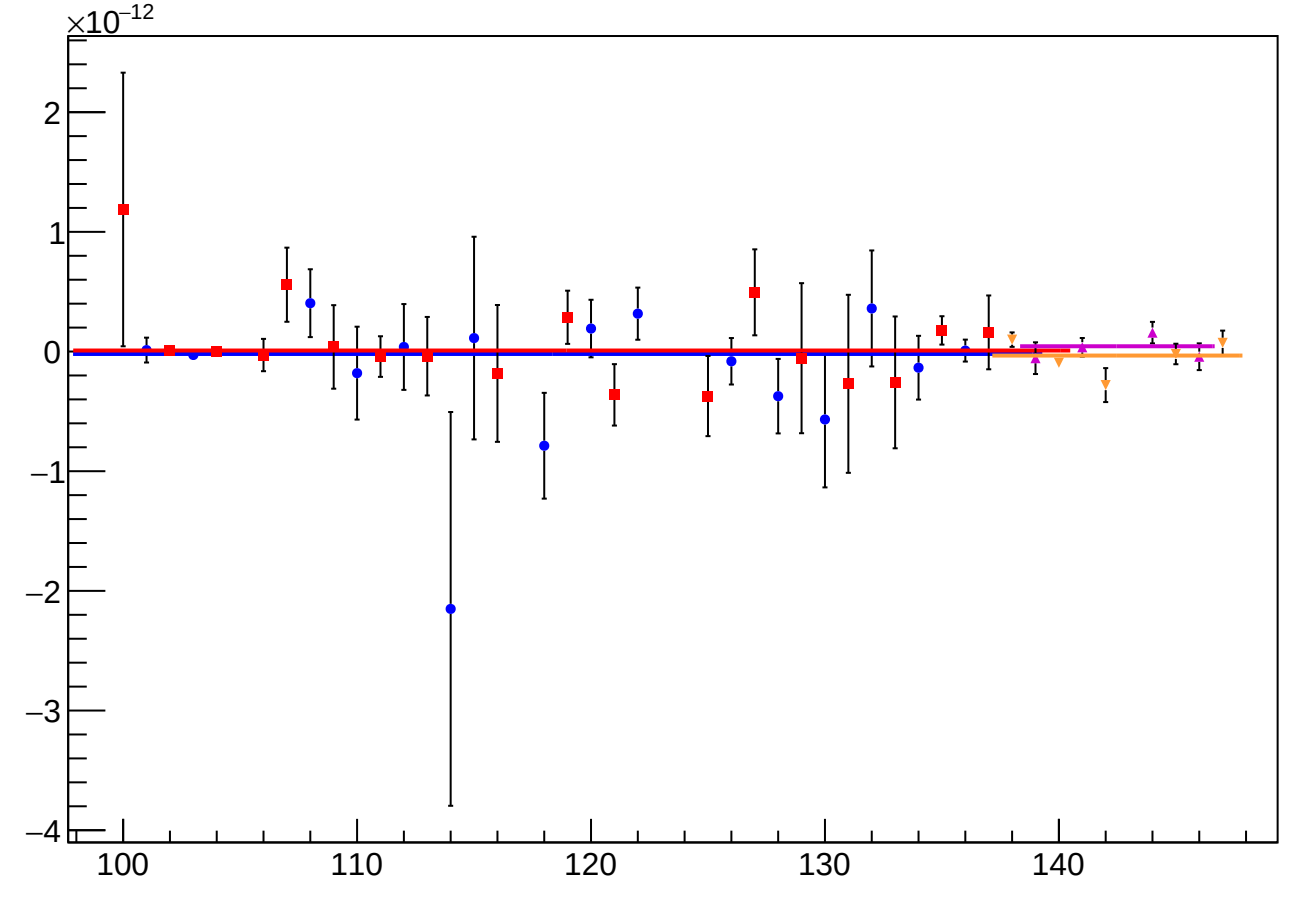
Left: 3423.950+/-0.907 χ^2/NDF: 138637.5/8

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2460.981+/-0.585 χ^2/NDF:3658595.4/19

Out: 2396.353+/-0.564 χ^2/NDF:3092825.5/22

All: 2427.486+/-0.406 χ^2/NDF: 6757754.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/4

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

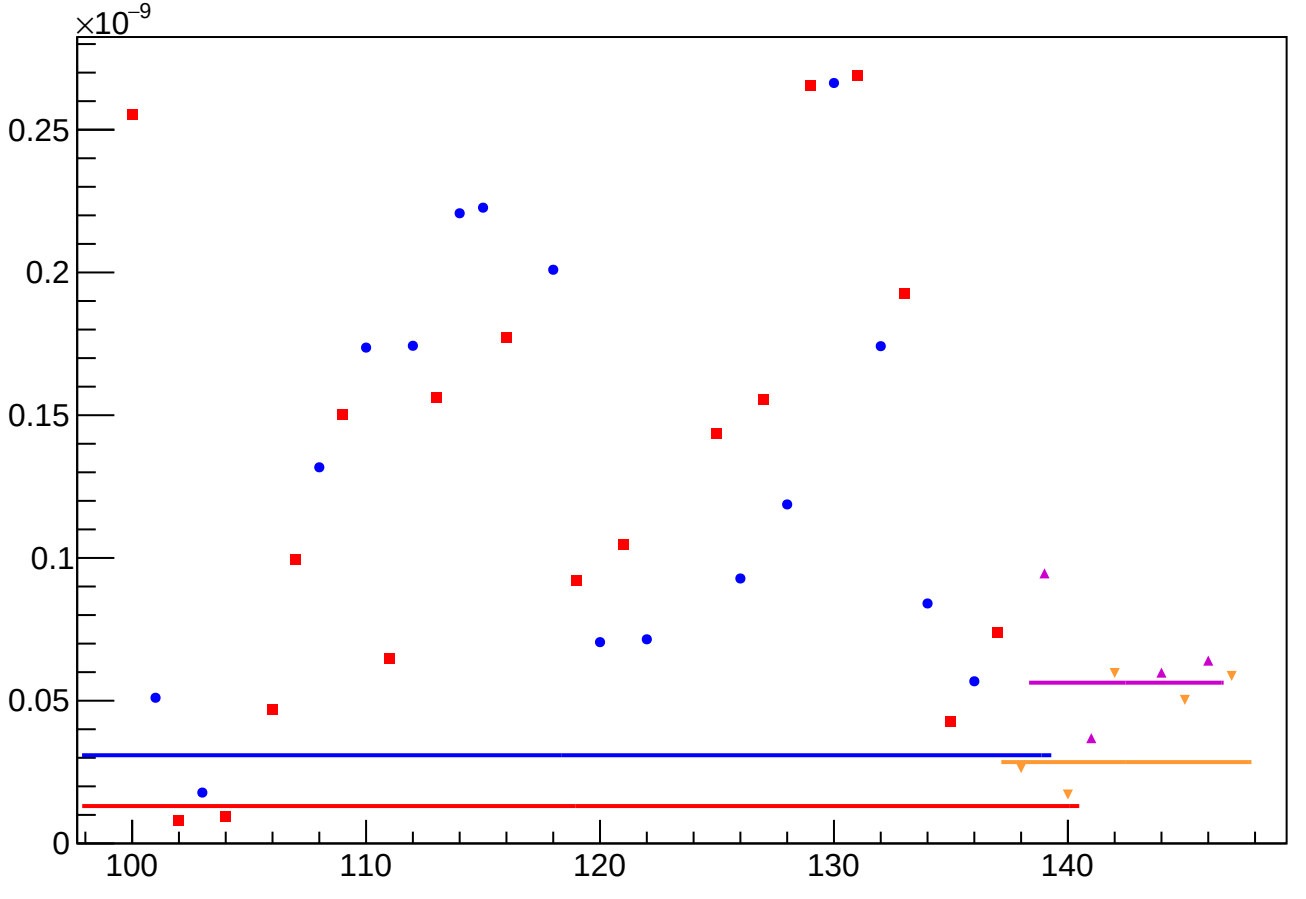
Left: -0.000+/-0.000 χ^2/NDF: 15.8/8

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: -0.000+/-0.000 χ^2/NDF:17.9/19

Out: -0.000+/-0.000 χ^2/NDF:26.8/22

All: -0.000+/-0.000 χ^2/NDF: 44.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:557515.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:305350.2/3

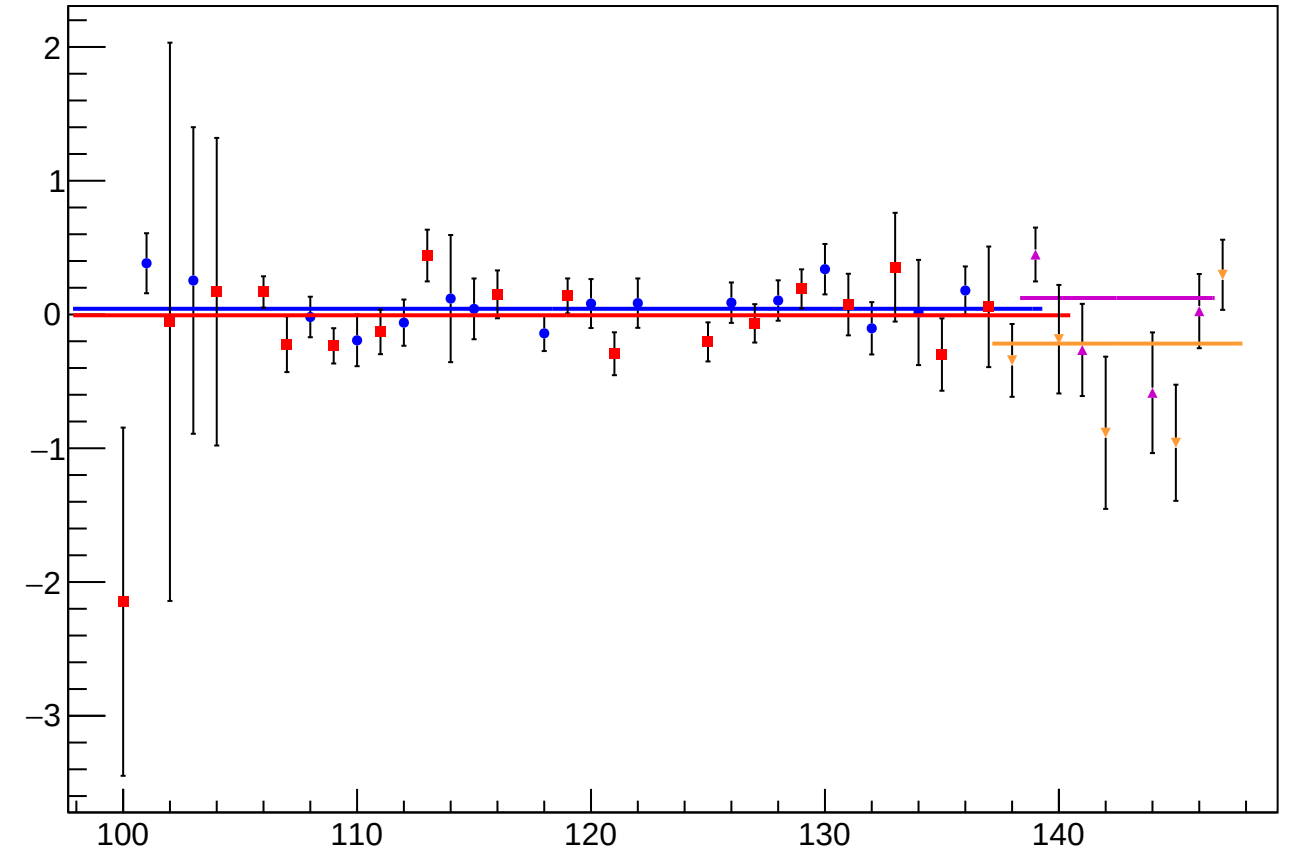
Left: 0.000+/-0.000 χ^2/NDF: 1345593.0/8

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3736113.8/19

Out: 0.000+/-0.000 χ^2/NDF:4653029.5/22

All: 0.000+/-0.000 χ^2/NDF: 9578898.8/42



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.217+/-0.153 χ^2/NDF:8.4/4

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.140 χ^2/NDF:6.5/3

Left: -0.031+/-0.103 χ^2/NDF: 17.5/8

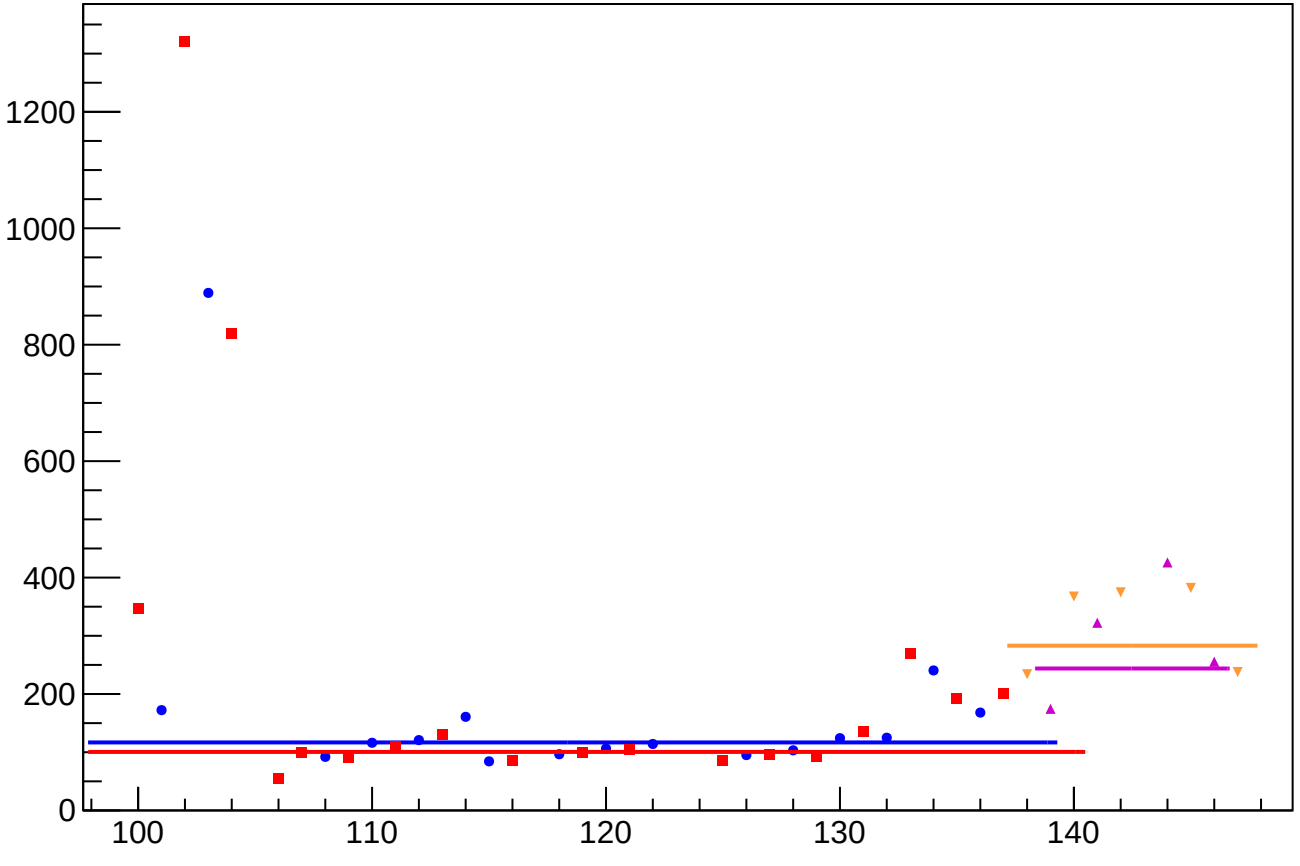
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.051+/-0.045 χ^2/NDF:17.0/19

Out: -0.022+/-0.042 χ^2/NDF:36.2/22

All: 0.012+/-0.031 χ^2/NDF: 54.6/42

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 283.039+/-0.108 χ^2/NDF:367400.1/4

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.832+/-0.099 χ^2/NDF:670555.6/3

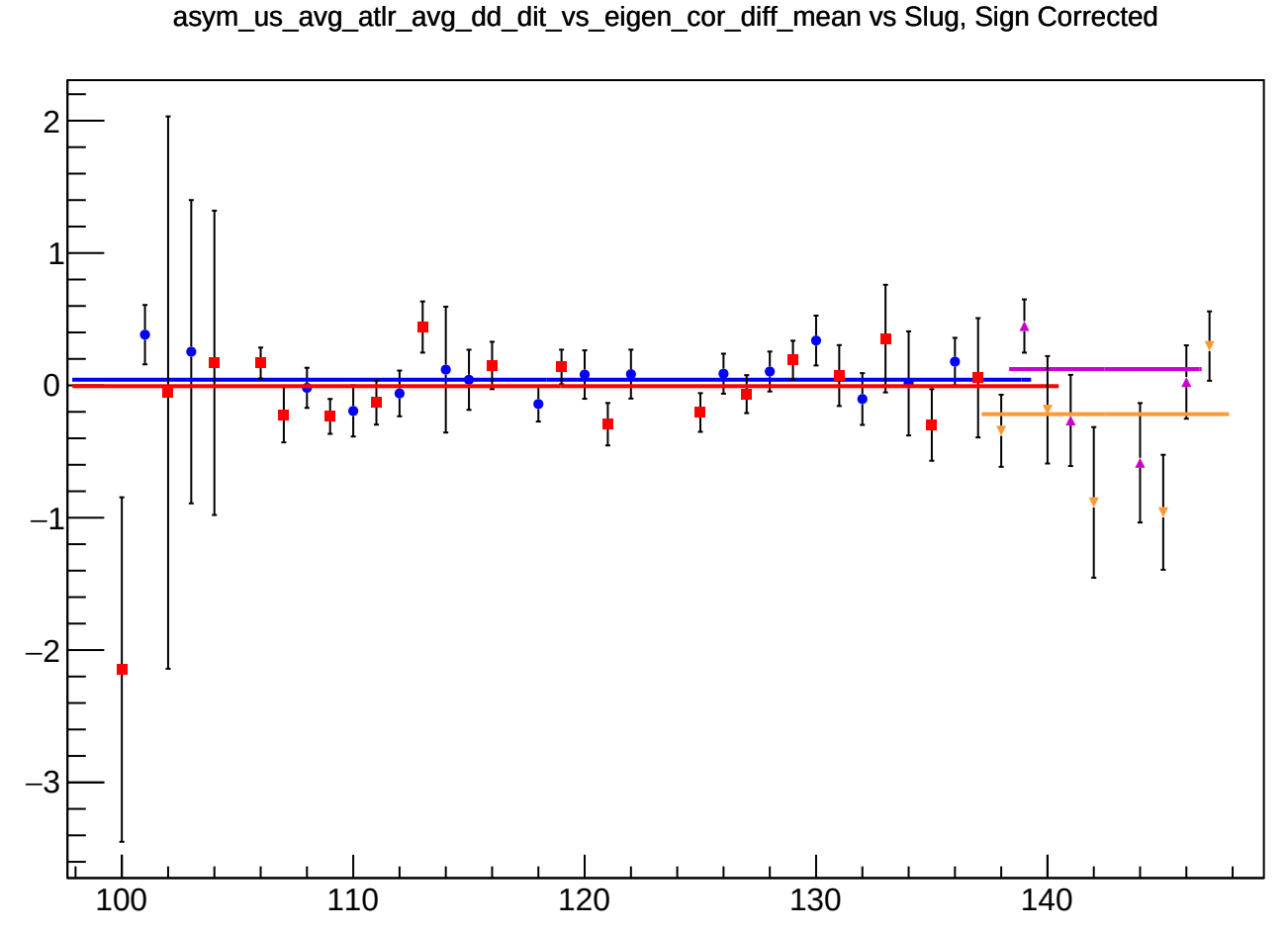
Left: 261.648+/-0.073 χ^2/NDF: 1109240.5/8

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 129.935+/-0.032 χ^2/NDF:3767425.3/19

Out: 114.058+/-0.030 χ^2/NDF:5652678.8/22

All: 121.410+/-0.022 χ^2/NDF: 9554064.2/42



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.217+/-0.153 χ^2/NDF:8.4/4

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.140 χ^2/NDF:6.5/3

Left: -0.031+/-0.103 χ^2/NDF: 17.5/8

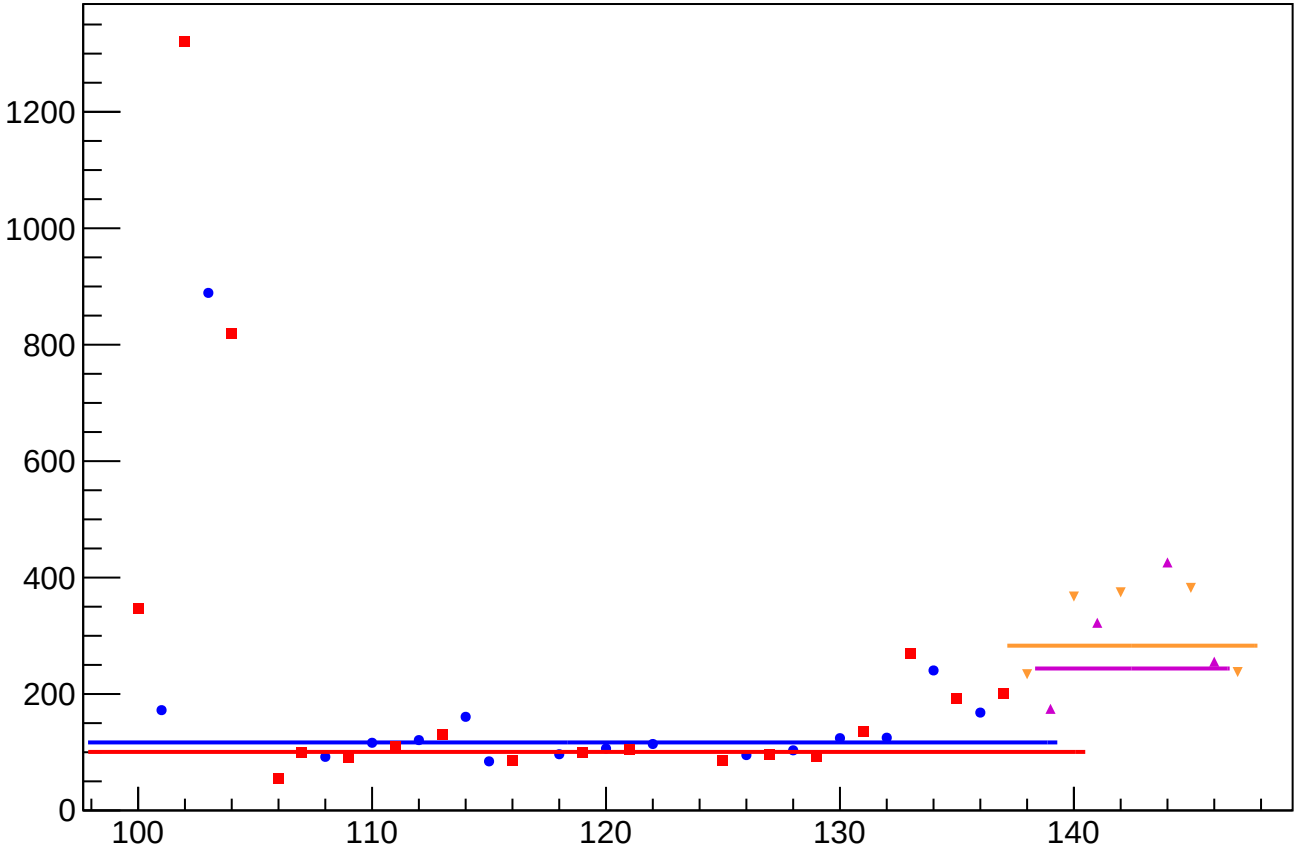
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.051+/-0.045 χ^2/NDF:17.0/19

Out: -0.022+/-0.042 χ^2/NDF:36.2/22

All: 0.012+/-0.031 χ^2/NDF: 54.6/42

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: 283.039+/-0.108 χ^2/NDF:367400.1/4

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 243.832+/-0.099 χ^2/NDF:670555.6/3

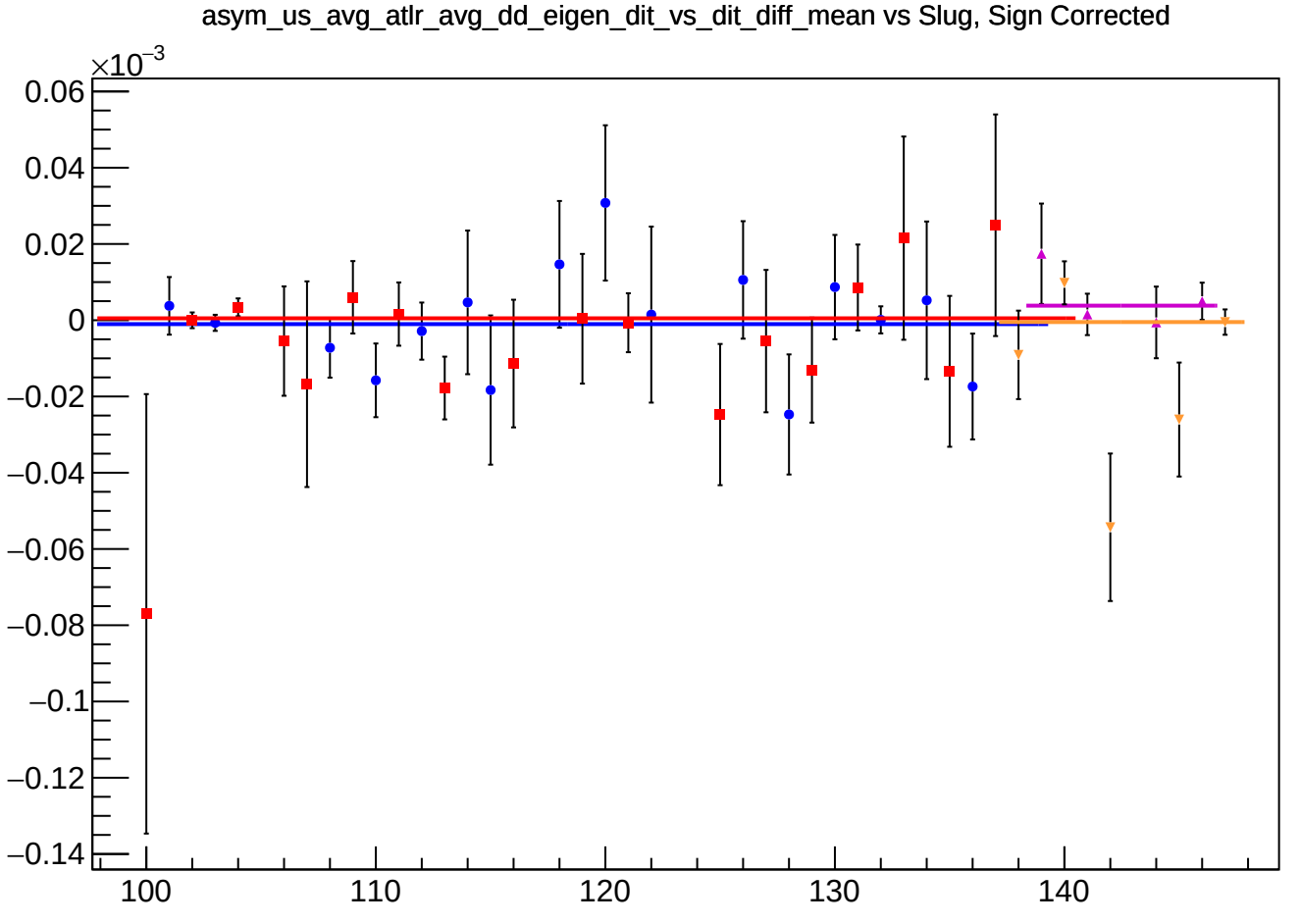
Left: 261.648+/-0.073 χ^2/NDF: 1109240.5/8

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 129.935+/-0.032 χ^2/NDF:3767425.3/19

Out: 114.058+/-0.030 χ^2/NDF:5652678.8/22

All: 121.410+/-0.022 χ^2/NDF: 9554064.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

Left: 0.000+/-0.000 χ^2/NDF: 17.1/8

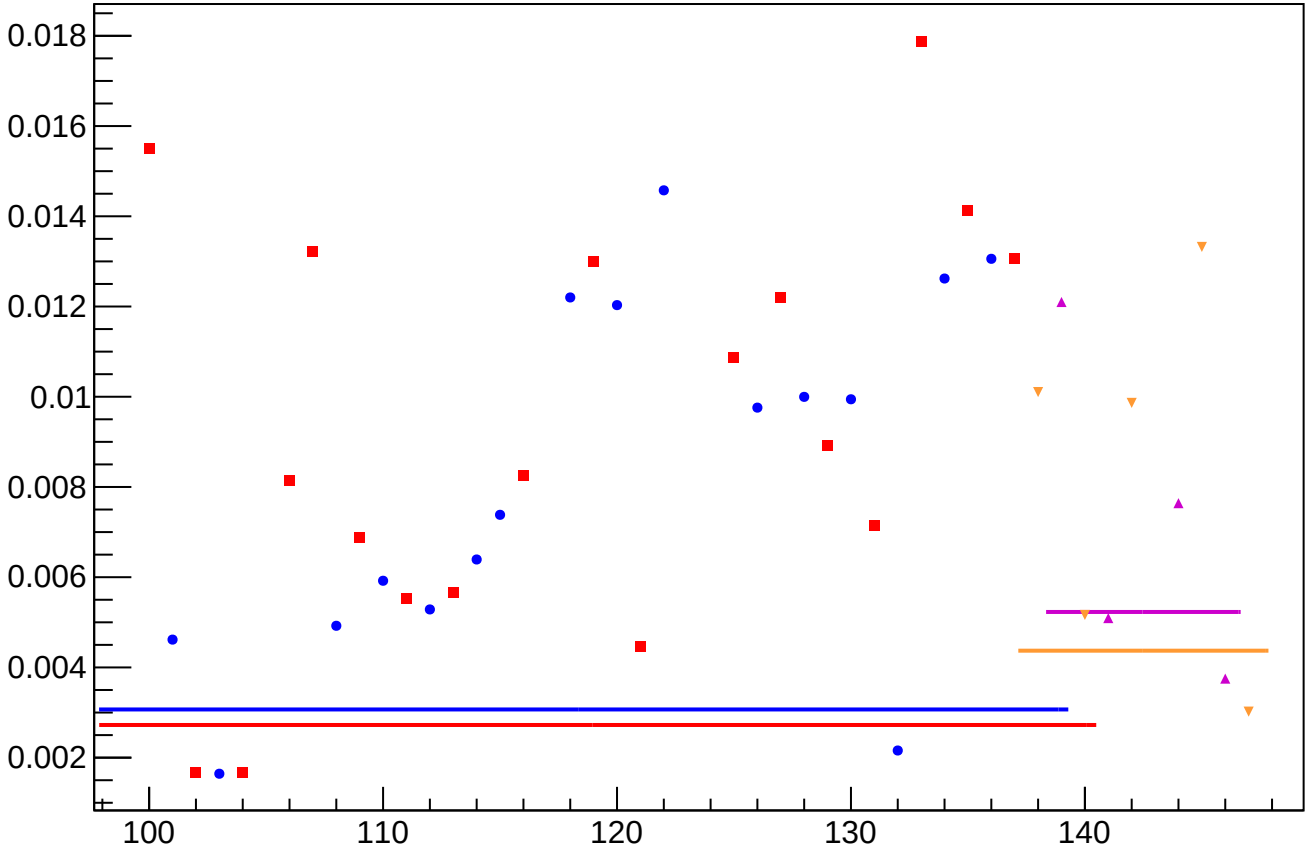
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:15.9/19

Out: 0.000+/-0.000 χ^2/NDF:29.7/22

All: 0.000+/-0.000 χ^2/NDF: 45.6/42

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1736191.4/4

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.005+/-0.000 χ^2/NDF:861775.4/3

Left: 0.005+/-0.000 χ^2/NDF: 2679515.4/8

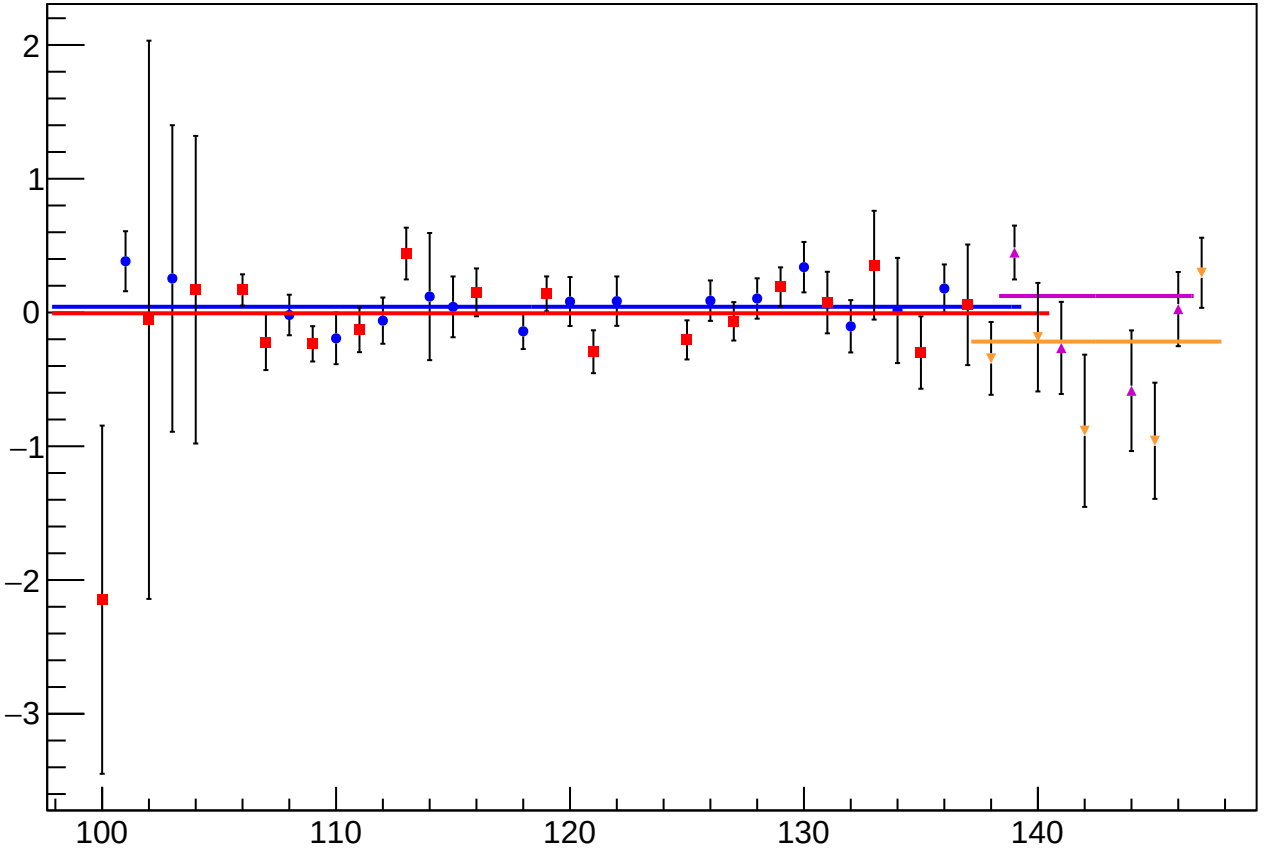
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:7531988.6/19

Out: 0.003+/-0.000 χ^2/NDF:9034466.8/22

All: 0.003+/-0.000 χ^2/NDF: 16659046.0/42

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.217+/-0.153 χ^2/NDF:8.4/4

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.140 χ^2/NDF:6.5/3

Left: -0.031+/-0.103 χ^2/NDF: 17.5/8

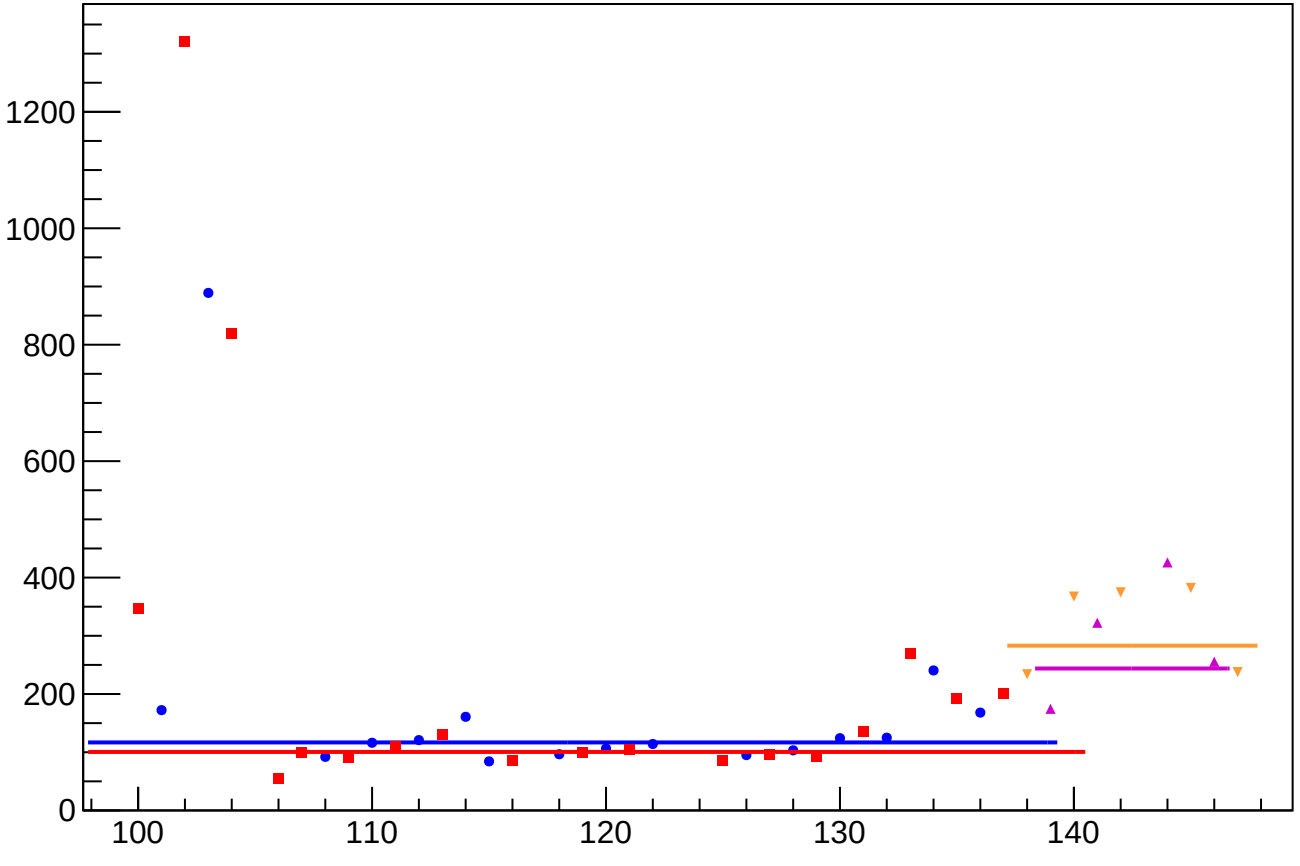
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.051+/-0.045 χ^2/NDF:17.0/19

Out: -0.022+/-0.042 χ^2/NDF:36.2/22

All: 0.012+/-0.031 χ^2/NDF: 54.6/42

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: 283.042+/-0.108 χ^2/NDF:367401.9/4

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 243.836+/-0.099 χ^2/NDF:670527.7/3

Left: 261.652+/-0.073 χ^2/NDF: 1109206.3/8

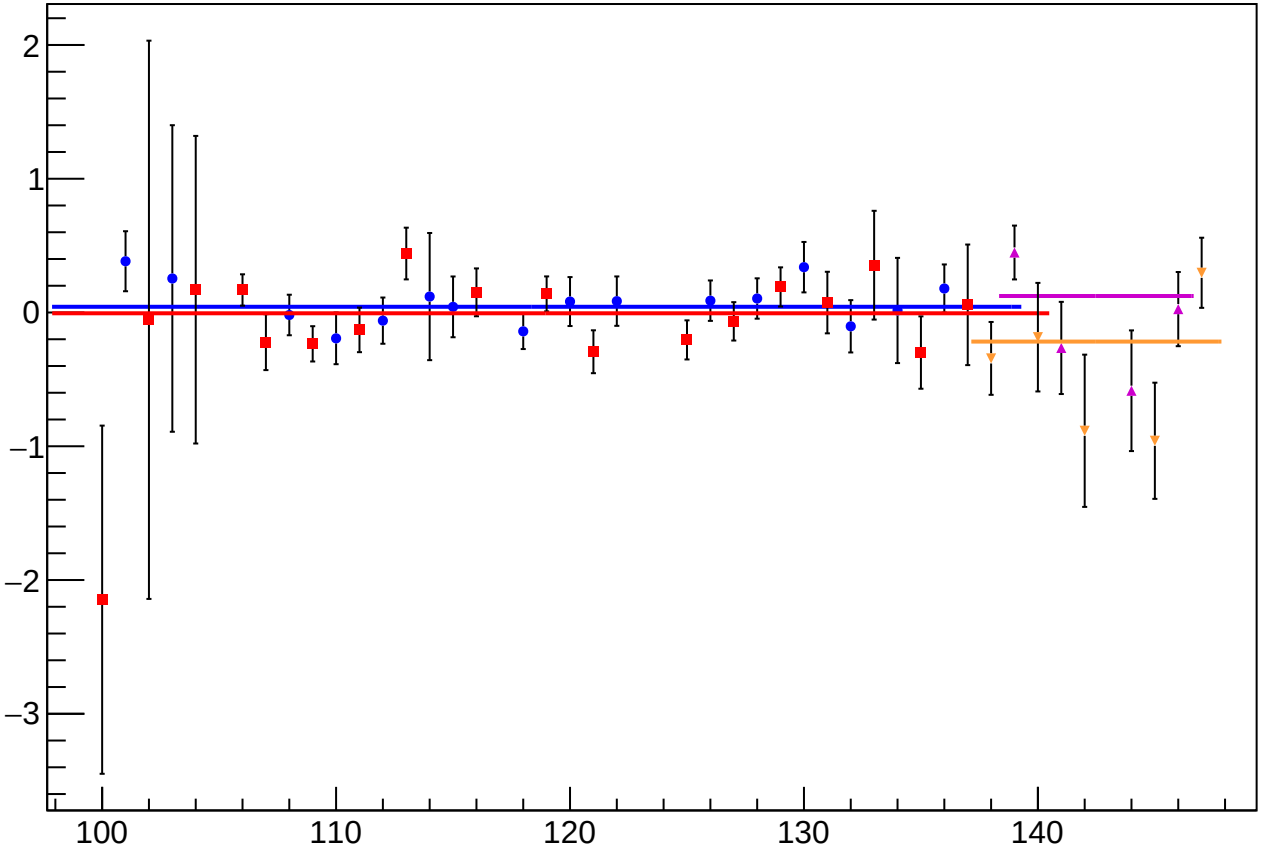
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 129.935+/-0.032 χ^2/NDF:3767463.1/19

Out: 114.057+/-0.030 χ^2/NDF:5652823.9/22

All: 121.409+/-0.022 χ^2/NDF: 9554265.5/42

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: -0.217+/-0.153 χ^2/NDF:8.4/4

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.140 χ^2/NDF:6.5/3

Left: -0.031+/-0.103 χ^2/NDF: 17.5/8

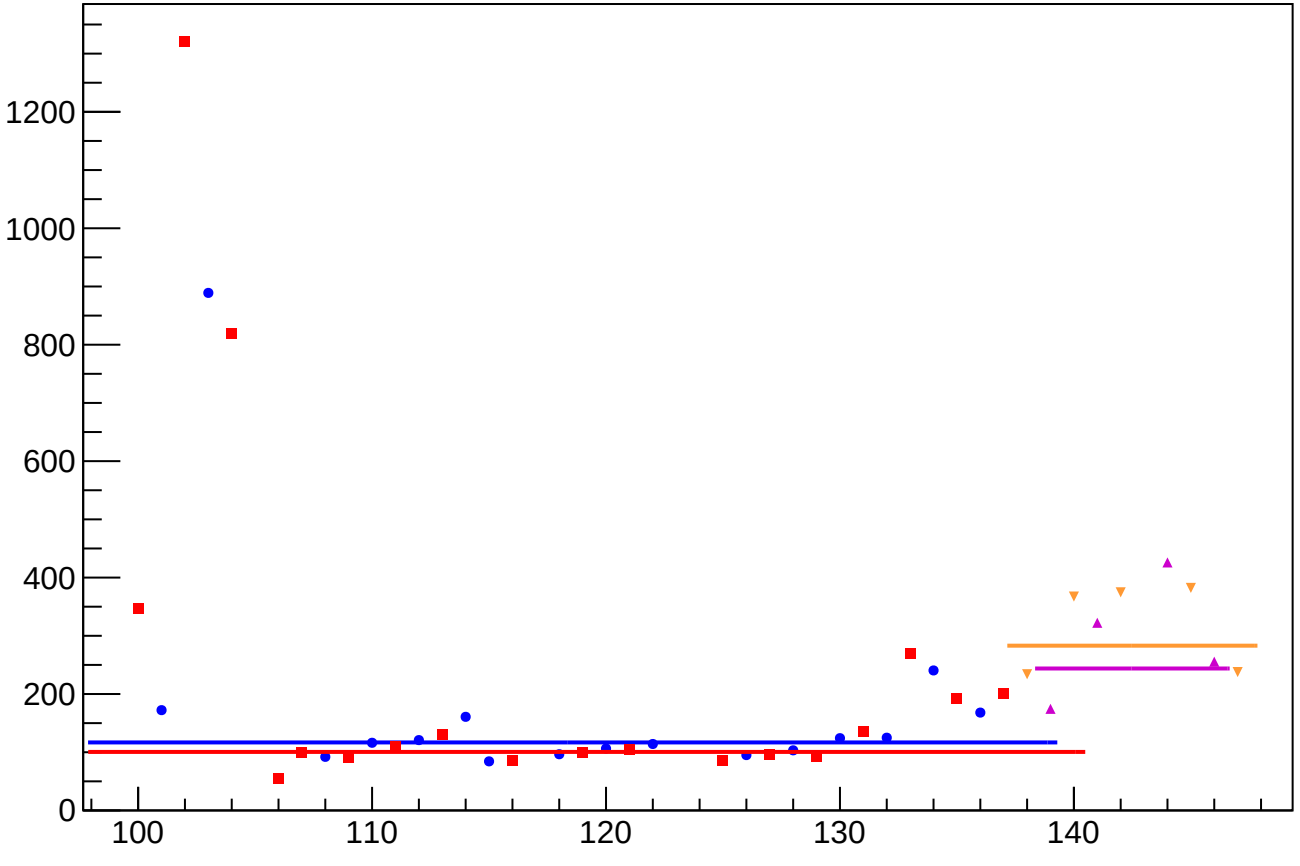
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.051+/-0.045 χ^2/NDF:17.0/19

Out: -0.022+/-0.042 χ^2/NDF:36.2/22

All: 0.012+/-0.031 χ^2/NDF: 54.6/42

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: 283.042+/-0.108 χ^2/NDF:367401.9/4

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 243.836+/-0.099 χ^2/NDF:670527.7/3

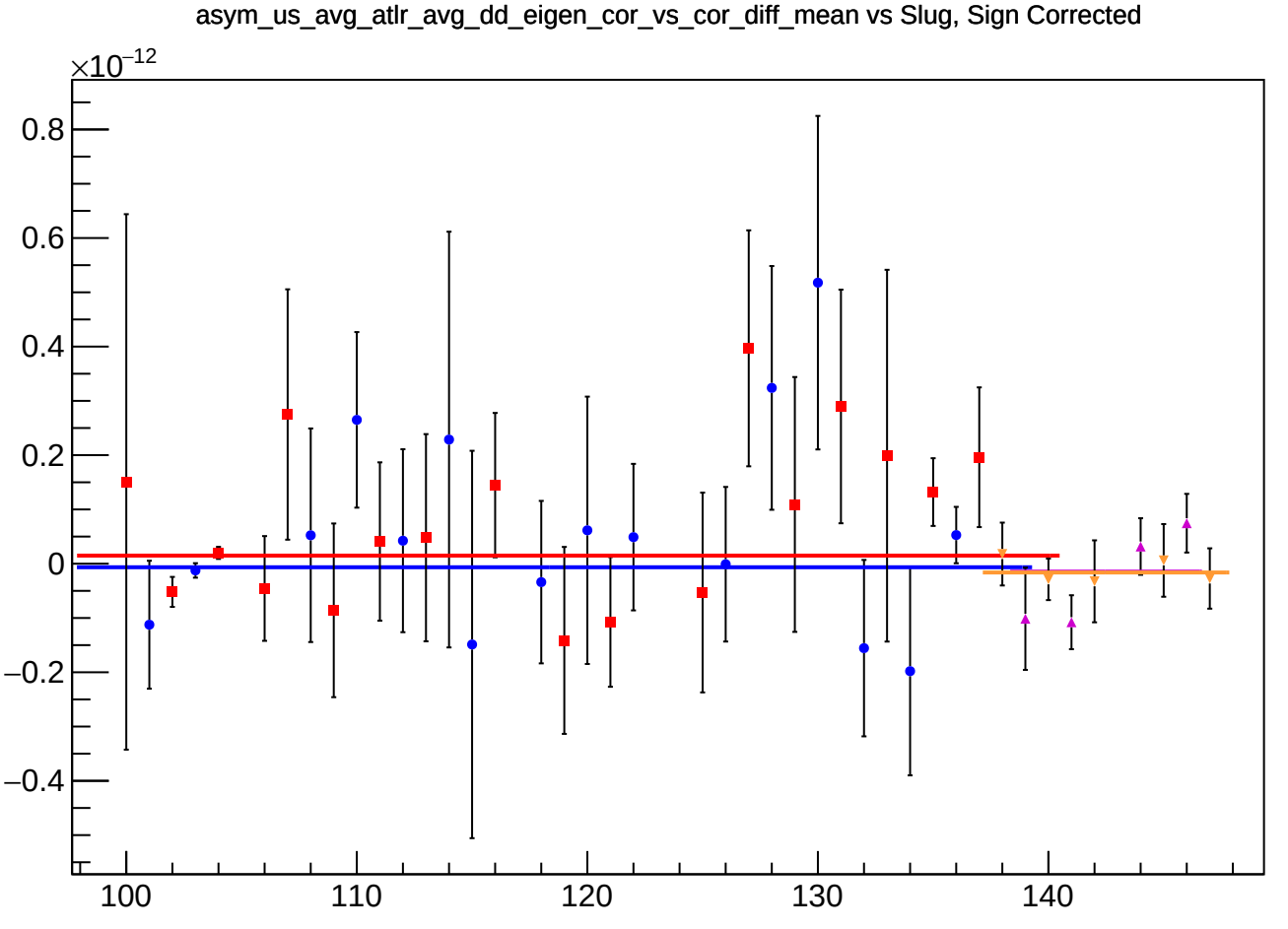
Left: 261.652+/-0.073 χ^2/NDF: 1109206.3/8

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 129.935+/-0.032 χ^2/NDF:3767463.1/19

Out: 114.057+/-0.030 χ^2/NDF:5652823.9/22

All: 121.409+/-0.022 χ^2/NDF: 9554265.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.7/4

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/3

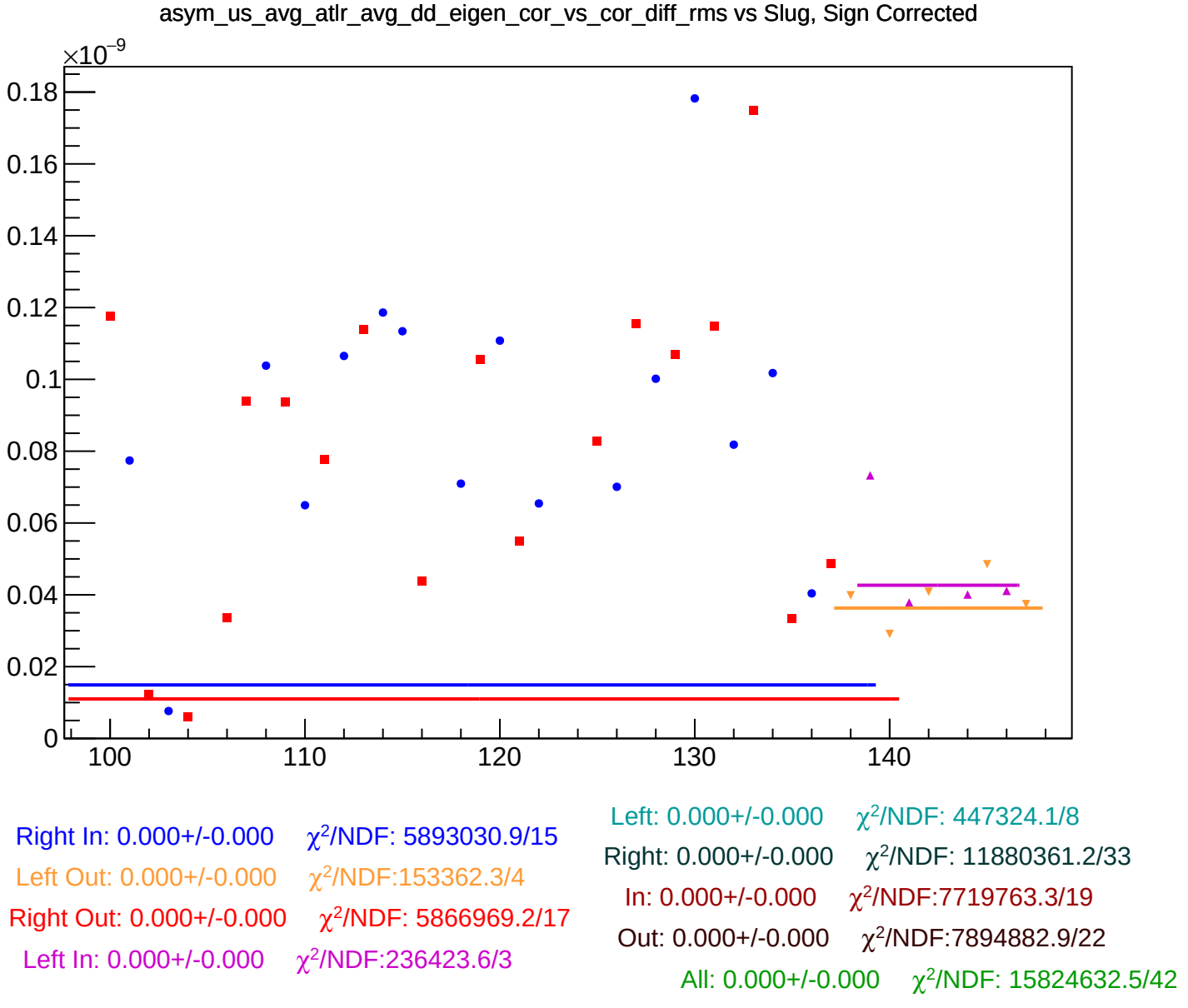
Left: -0.000+/-0.000 χ^2/NDF: 8.5/8

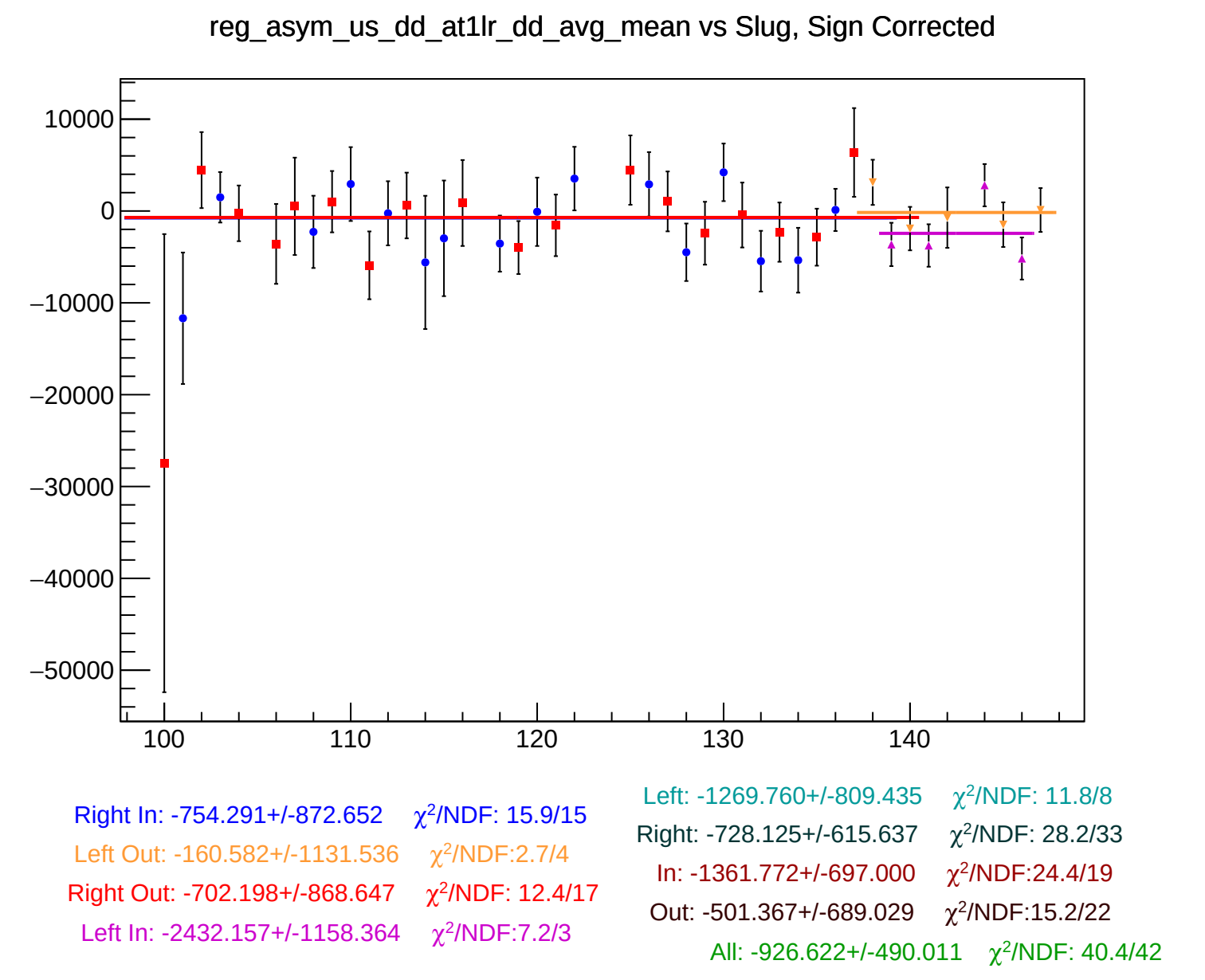
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

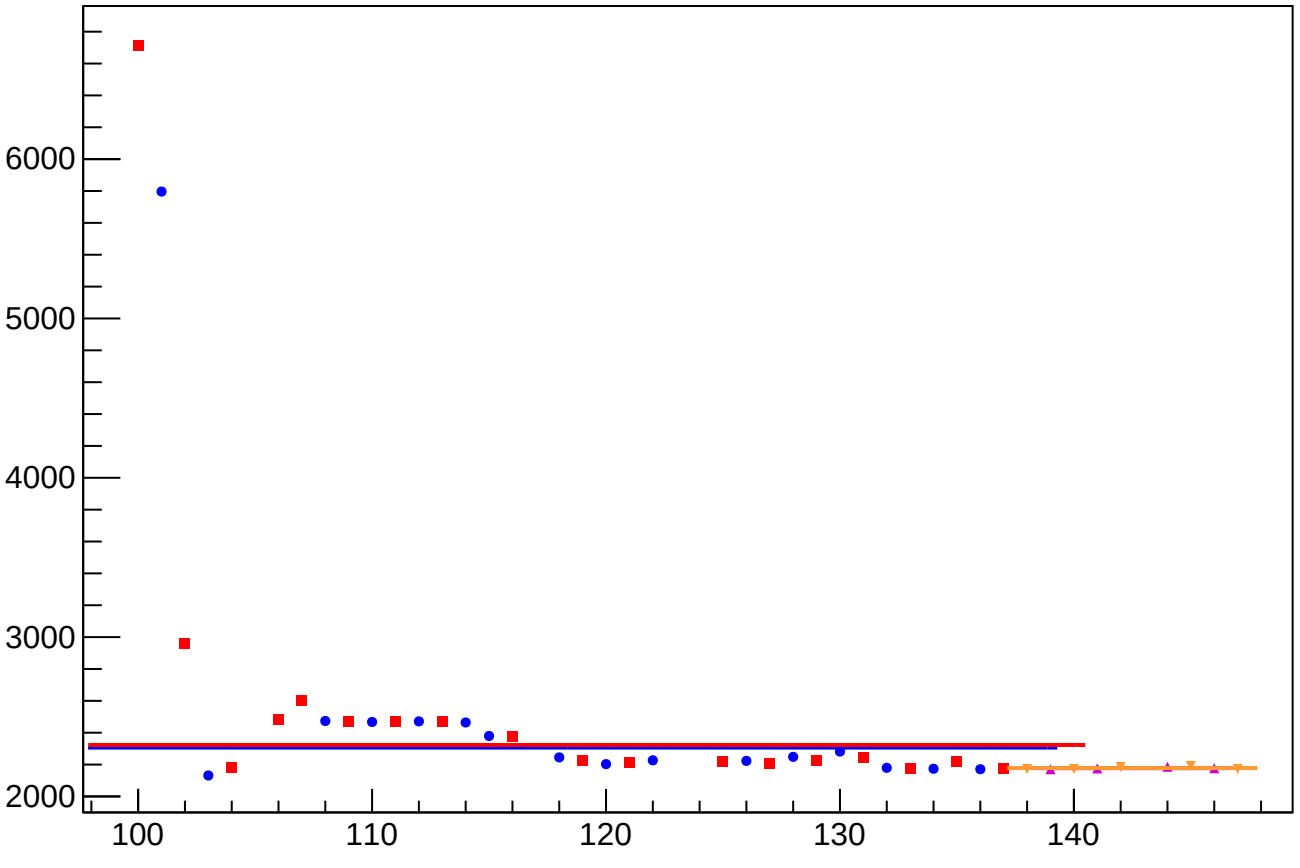
In: -0.000+/-0.000 χ^2/NDF:21.0/19

Out: 0.000+/-0.000 χ^2/NDF:24.0/22

All: 0.000+/-0.000 χ^2/NDF: 46.5/42


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:153362.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:236423.6/3
Left: 0.000+/-0.000 χ²/NDF: 447324.1/8
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:7719763.3/19
Out: 0.000+/-0.000 χ²/NDF:7894882.9/22
All: 0.000+/-0.000 χ²/NDF: 15824632.5/42


reg_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
Right In: -754.291+/-872.652 χ²/NDF: 15.9/15
Left Out: -160.582+/-1131.536 χ²/NDF:2.7/4
Right Out: -702.198+/-868.647 χ²/NDF: 12.4/17
Left In: -2432.157+/-1158.364 χ²/NDF:7.2/3
Left: -1269.760+/-809.435 χ²/NDF: 11.8/8
Right: -728.125+/-615.637 χ²/NDF: 28.2/33
In: -1361.772+/-697.000 χ²/NDF:24.4/19
Out: -501.367+/-689.029 χ²/NDF:15.2/22
All: -926.622+/-490.011 χ²/NDF: 40.4/42



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.005+/-0.800 χ^2/NDF:97.8/4

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

Left: 2177.861+/-0.572 χ^2/NDF: 145.1/8

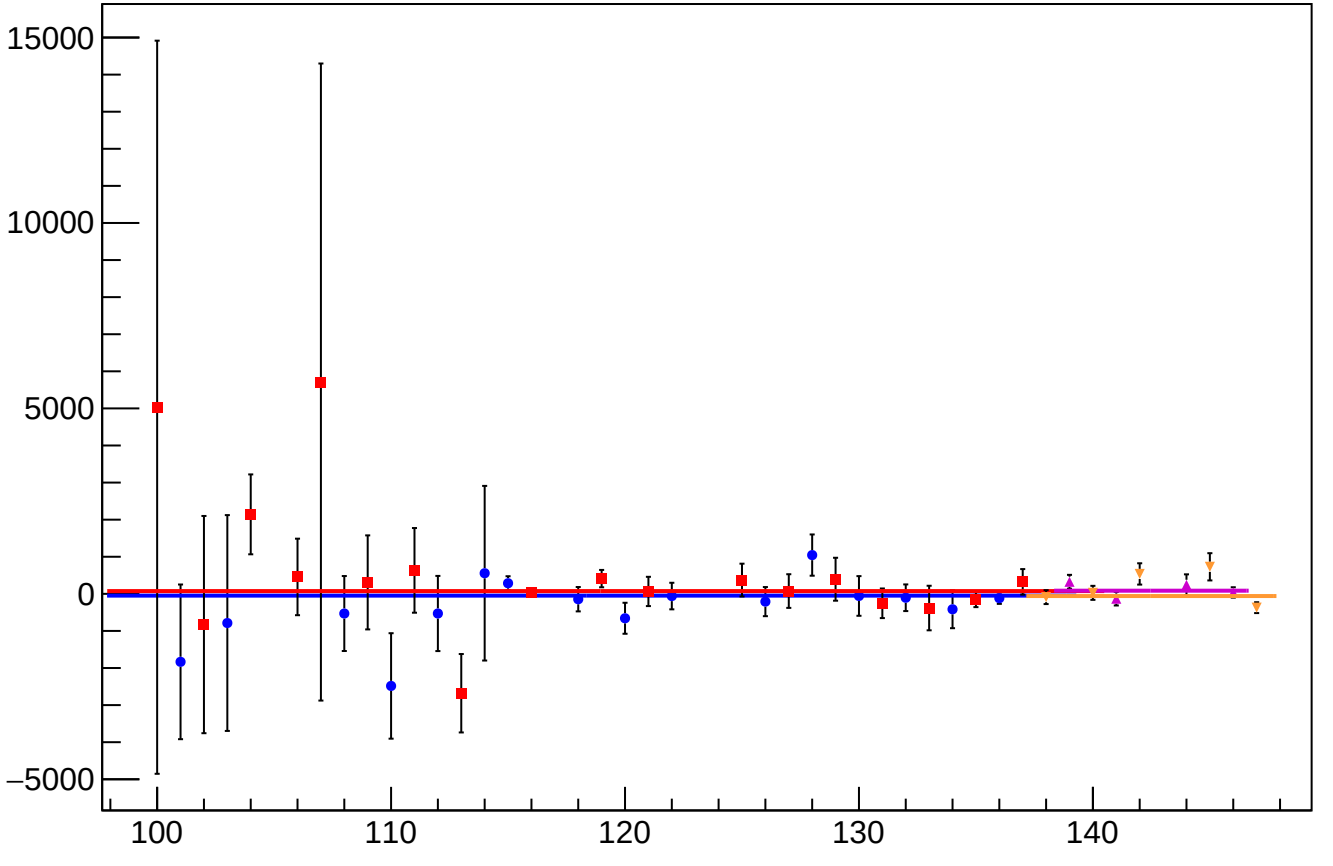
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2259.962+/-0.493 χ^2/NDF:530004.8/19

Out: 2269.243+/-0.487 χ^2/NDF:172550.7/22

All: 2264.656+/-0.346 χ^2/NDF: 702734.8/42

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: -59.510+/-90.229 χ^2/NDF:13.7/4

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 85.018+/-90.353 χ^2/NDF:3.5/3

Left: 12.655+/-63.846 χ^2/NDF: 18.5/8

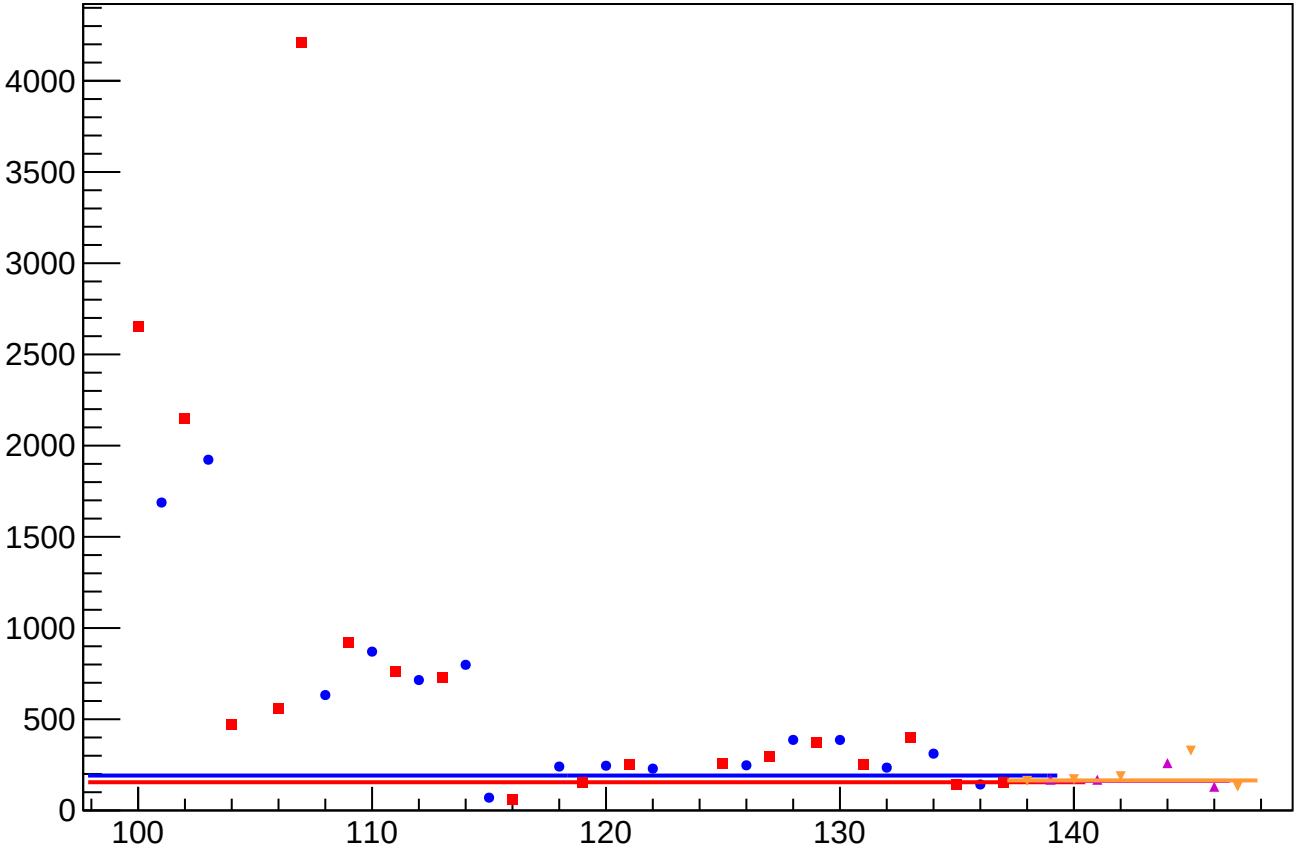
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 18.957+/-64.087 χ^2/NDF:18.9/19

Out: 13.410+/-60.839 χ^2/NDF:32.6/22

All: 16.040+/-44.123 χ^2/NDF: 51.5/42

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 164.605+/-0.064 χ^2/NDF:518075.6/4

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 161.791+/-0.064 χ^2/NDF:346822.9/3

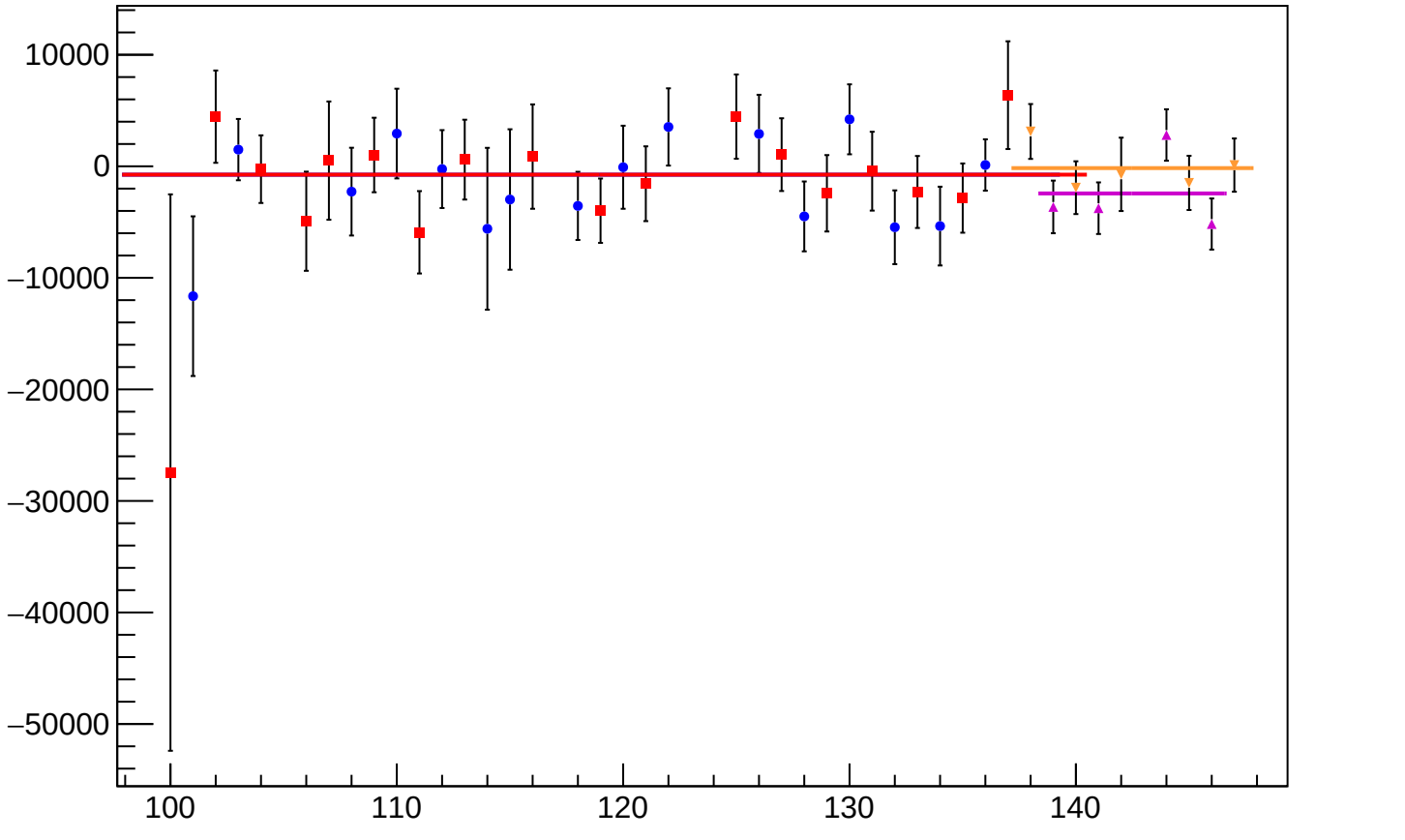
Left: 163.200+/-0.045 χ^2/NDF: 865869.4/8

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 176.494+/-0.045 χ^2/NDF:5518152.7/19

Out: 159.190+/-0.043 χ^2/NDF:6685566.8/22

All: 167.393+/-0.031 χ^2/NDF: 12280412.6/42



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -160.614+/-1131.536 χ^2/NDF:2.7/4

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -2432.293+/-1158.364 χ^2/NDF:7.2/3

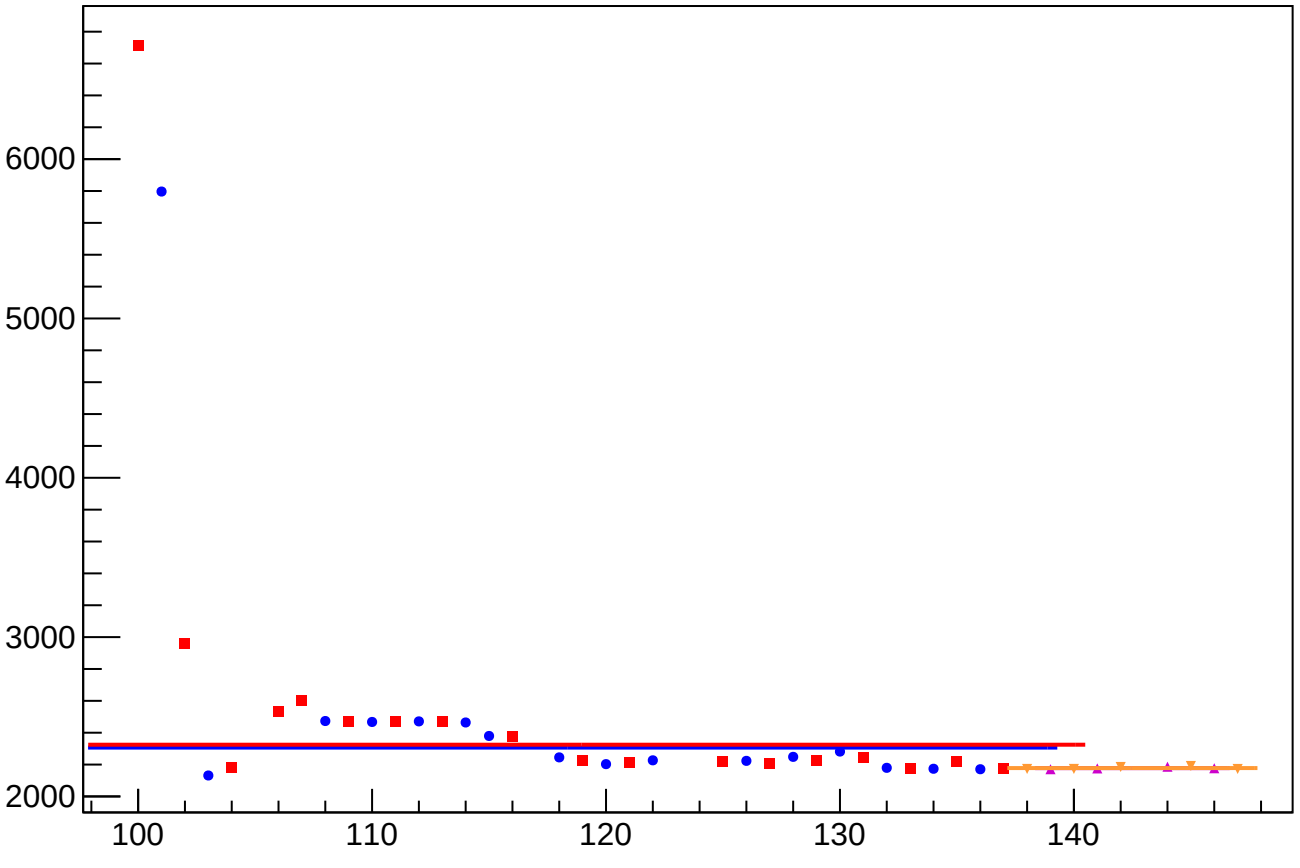
Left: -1269.843+/-809.435 χ^2/NDF: 11.8/8

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1361.203+/-697.000 χ^2/NDF:24.4/19

Out: -530.799+/-689.388 χ^2/NDF:15.7/22

All: -941.442+/-490.140 χ^2/NDF: 40.8/42



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.005+/-0.800 χ^2/NDF:97.8/4

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

Left: 2177.861+/-0.572 χ^2/NDF: 145.1/8

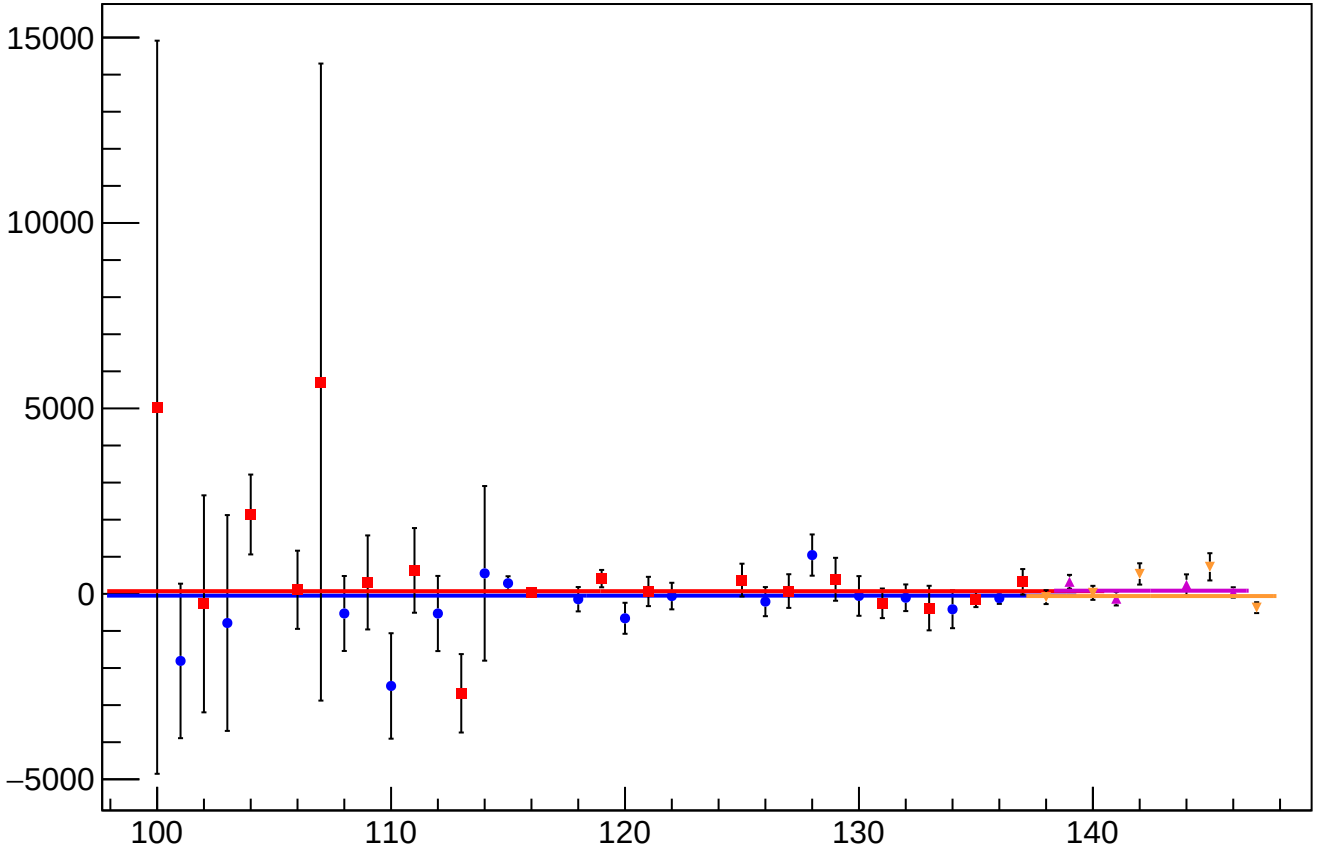
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2259.962+/-0.493 χ^2/NDF:530005.1/19

Out: 2270.239+/-0.487 χ^2/NDF:174809.1/22

All: 2265.157+/-0.347 χ^2/NDF: 705034.0/42

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -59.431+/-90.229 χ^2/NDF:13.7/4

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 85.225+/-90.354 χ^2/NDF:3.5/3

Left: 12.796+/-63.846 χ^2/NDF: 18.5/8

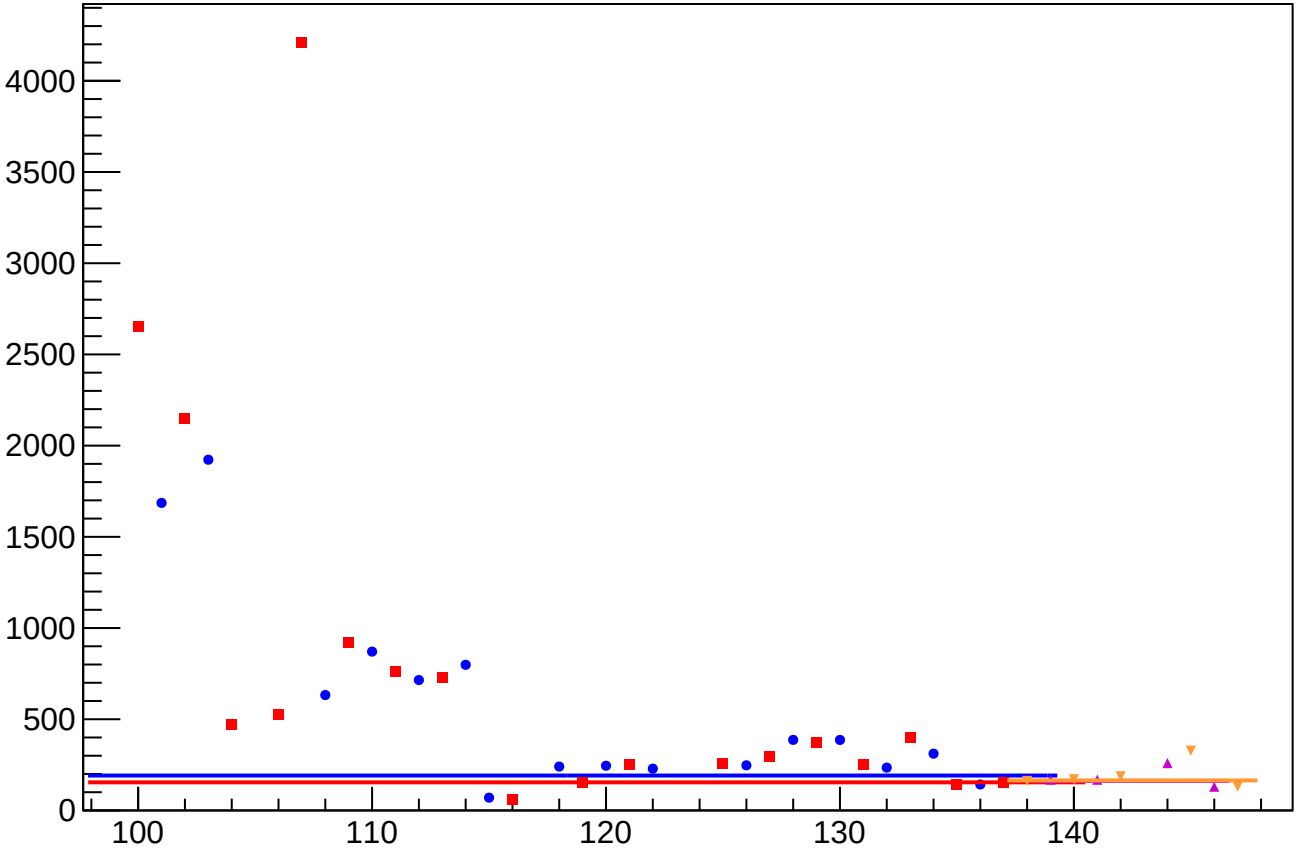
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 19.048+/-64.089 χ^2/NDF:18.9/19

Out: 12.402+/-60.814 χ^2/NDF:32.3/22

All: 15.551+/-44.114 χ^2/NDF: 51.2/42

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 164.602+/-0.064 χ^2/NDF:518193.0/4

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.792+/-0.064 χ^2/NDF:346829.0/3

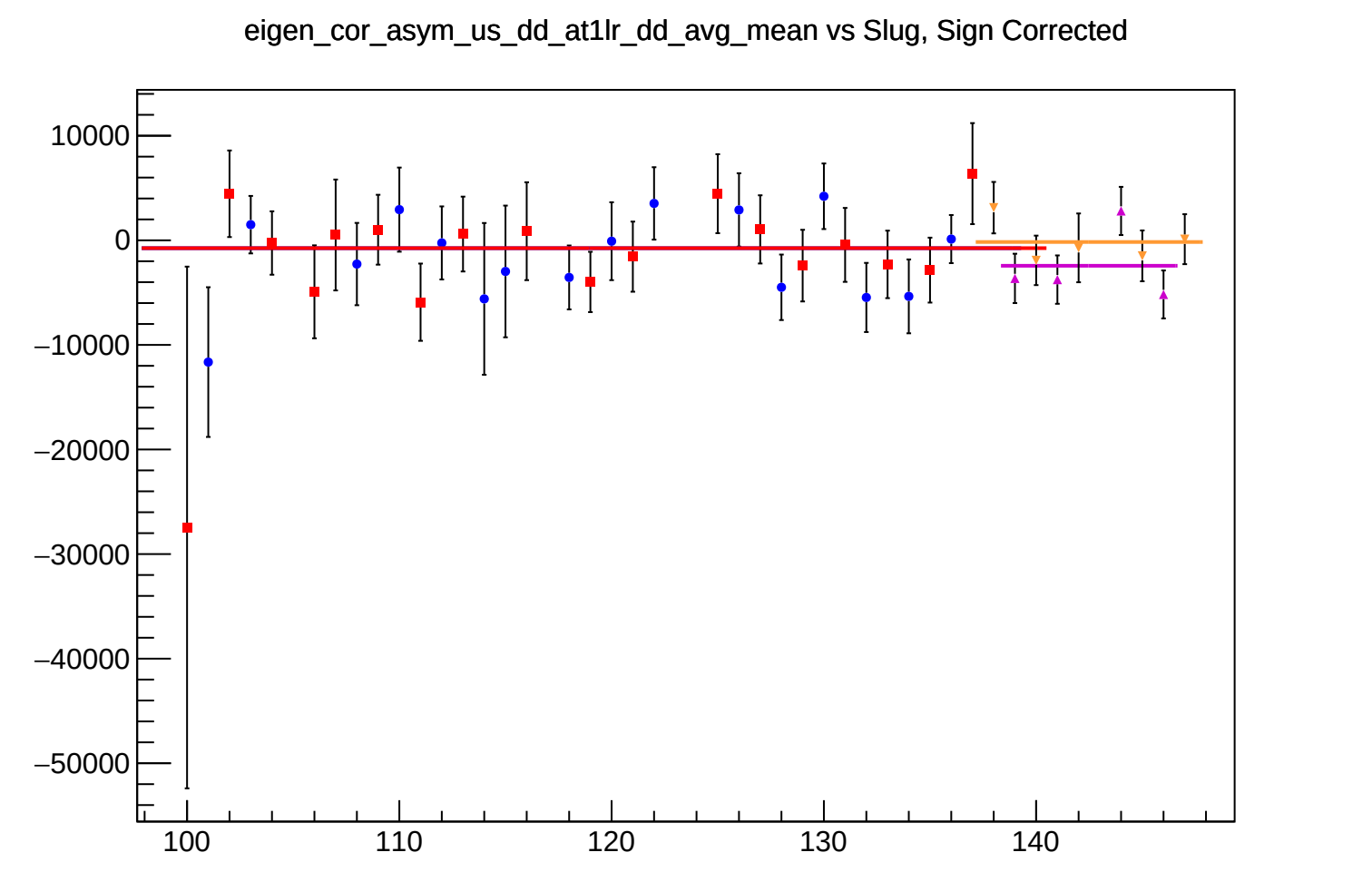
Left: 163.199+/-0.045 χ^2/NDF: 865990.6/8

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 176.506+/-0.045 χ^2/NDF:5517175.4/19

Out: 158.882+/-0.043 χ^2/NDF:6641586.1/22

All: 167.233+/-0.031 χ^2/NDF: 12238343.1/42



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -160.614+/-1131.536 χ^2/NDF:2.7/4

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -2432.293+/-1158.364 χ^2/NDF:7.2/3

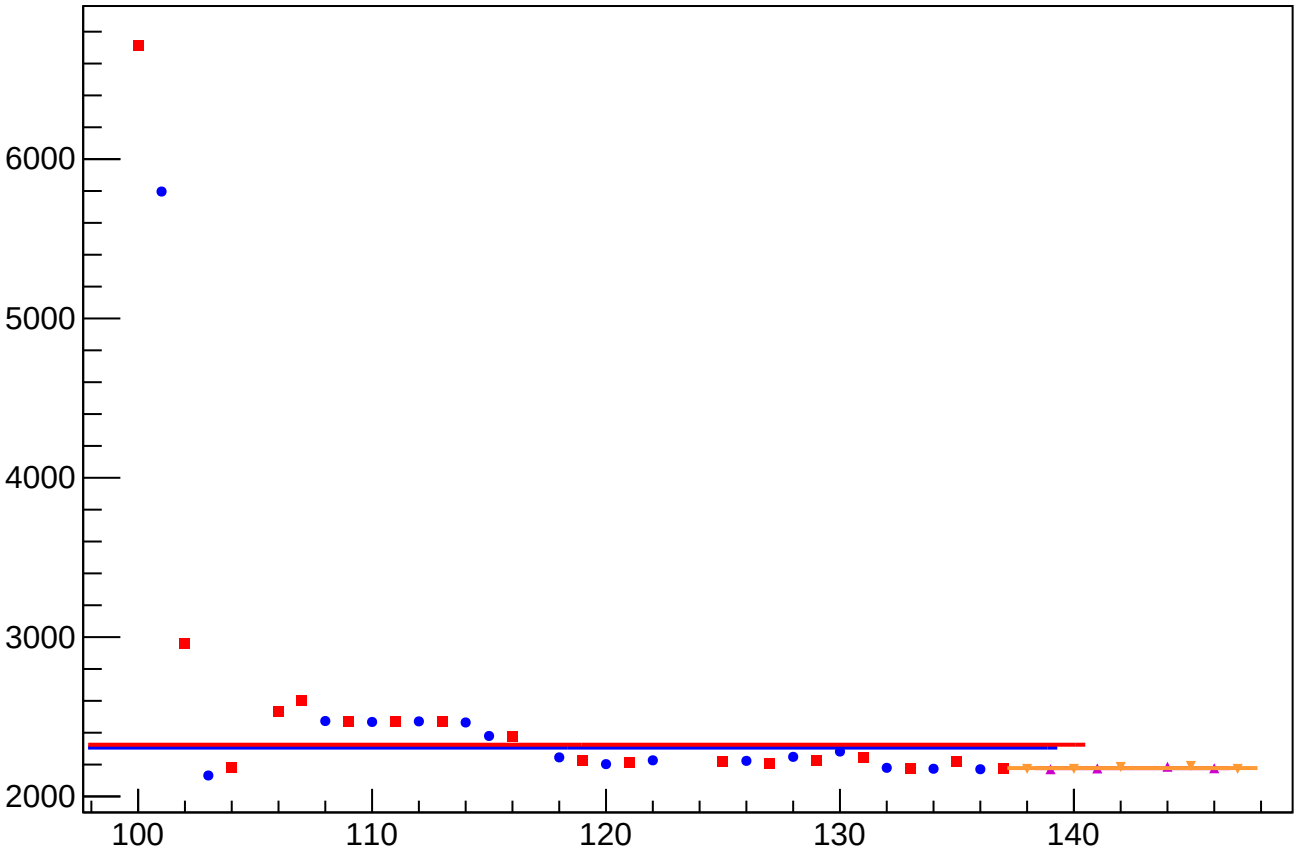
Left: -1269.843+/-809.435 χ^2/NDF: 11.8/8

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1361.203+/-697.000 χ^2/NDF:24.4/19

Out: -530.799+/-689.388 χ^2/NDF:15.7/22

All: -941.442+/-490.140 χ^2/NDF: 40.8/42



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.005+/-0.800 χ^2/NDF:97.8/4

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.710+/-0.819 χ^2/NDF:47.3/3

Left: 2177.861+/-0.572 χ^2/NDF: 145.1/8

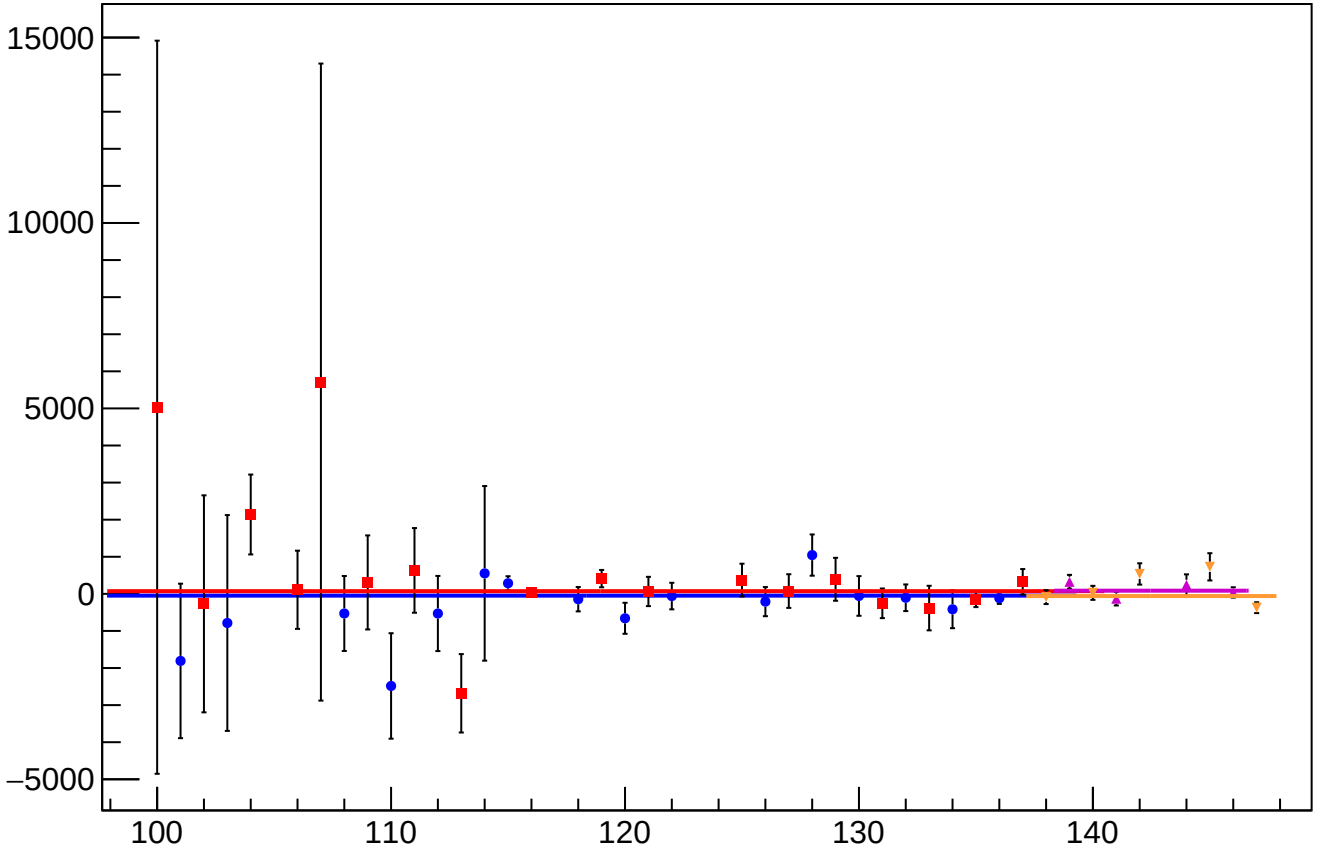
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2259.962+/-0.493 χ^2/NDF:530005.1/19

Out: 2270.239+/-0.487 χ^2/NDF:174809.1/22

All: 2265.157+/-0.347 χ^2/NDF: 705034.0/42

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: -59.431+/-90.229 χ^2/NDF:13.7/4

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 85.225+/-90.354 χ^2/NDF:3.5/3

Left: 12.796+/-63.846 χ^2/NDF: 18.5/8

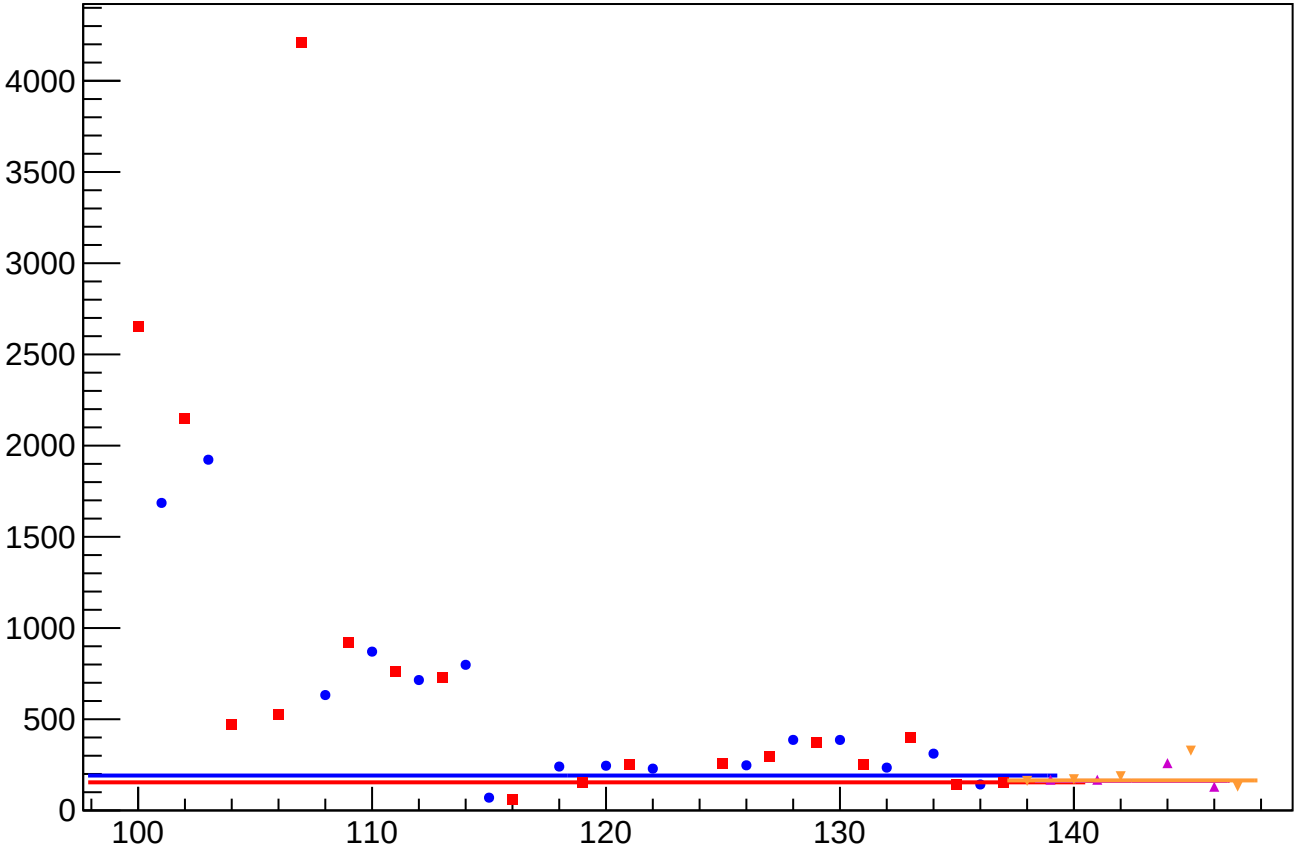
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 19.048+/-64.089 χ^2/NDF:18.9/19

Out: 12.402+/-60.814 χ^2/NDF:32.3/22

All: 15.551+/-44.114 χ^2/NDF: 51.2/42

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: 164.602+/-0.064 χ^2/NDF:518193.0/4

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.792+/-0.064 χ^2/NDF:346829.0/3

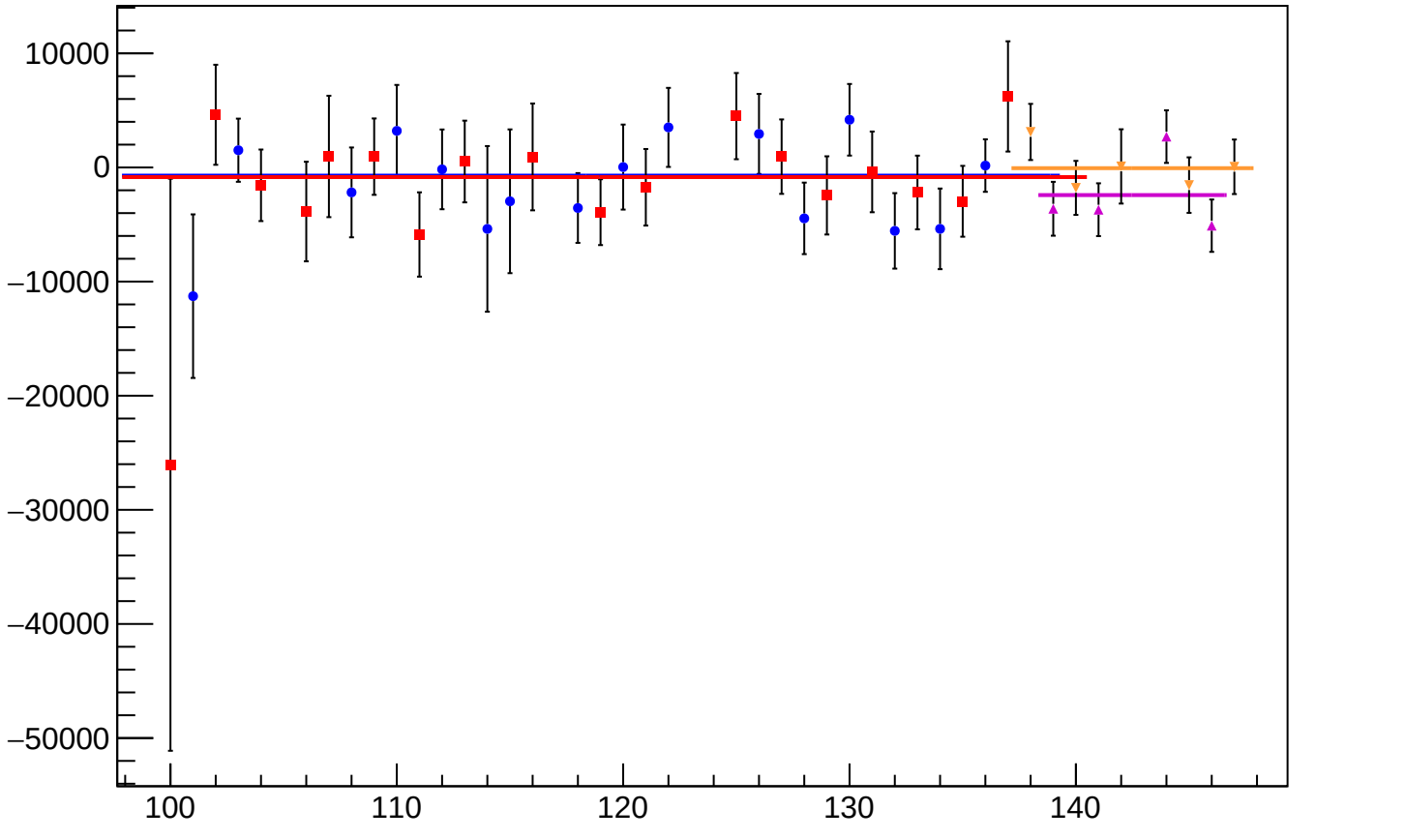
Left: 163.199+/-0.045 χ^2/NDF: 865990.6/8

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 176.506+/-0.045 χ^2/NDF:5517175.4/19

Out: 158.882+/-0.043 χ^2/NDF:6641586.1/22

All: 167.233+/-0.031 χ^2/NDF: 12238343.1/42



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -61.389+/-1130.522 χ^2/NDF:2.6/4

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -2420.212+/-1158.868 χ^2/NDF:6.9/3

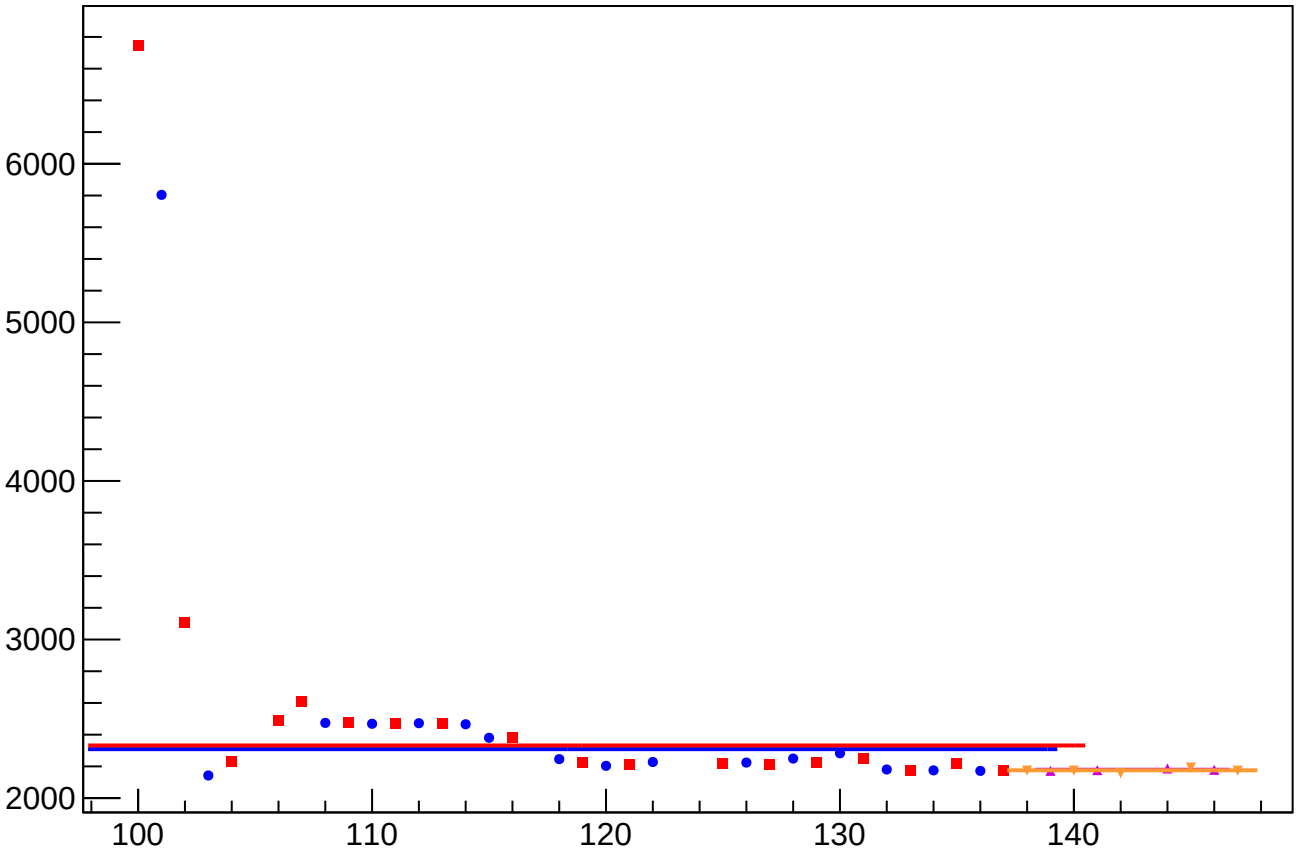
Left: -1211.600+/-809.235 χ^2/NDF: 11.6/8

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -1334.202+/-697.561 χ^2/NDF:24.1/19

Out: -550.252+/-691.255 χ^2/NDF:15.0/22

All: -938.668+/-491.006 χ^2/NDF: 39.8/42



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2175.361+/-0.799 χ^2/NDF:169.9/4

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2178.657+/-0.819 χ^2/NDF:45.5/3

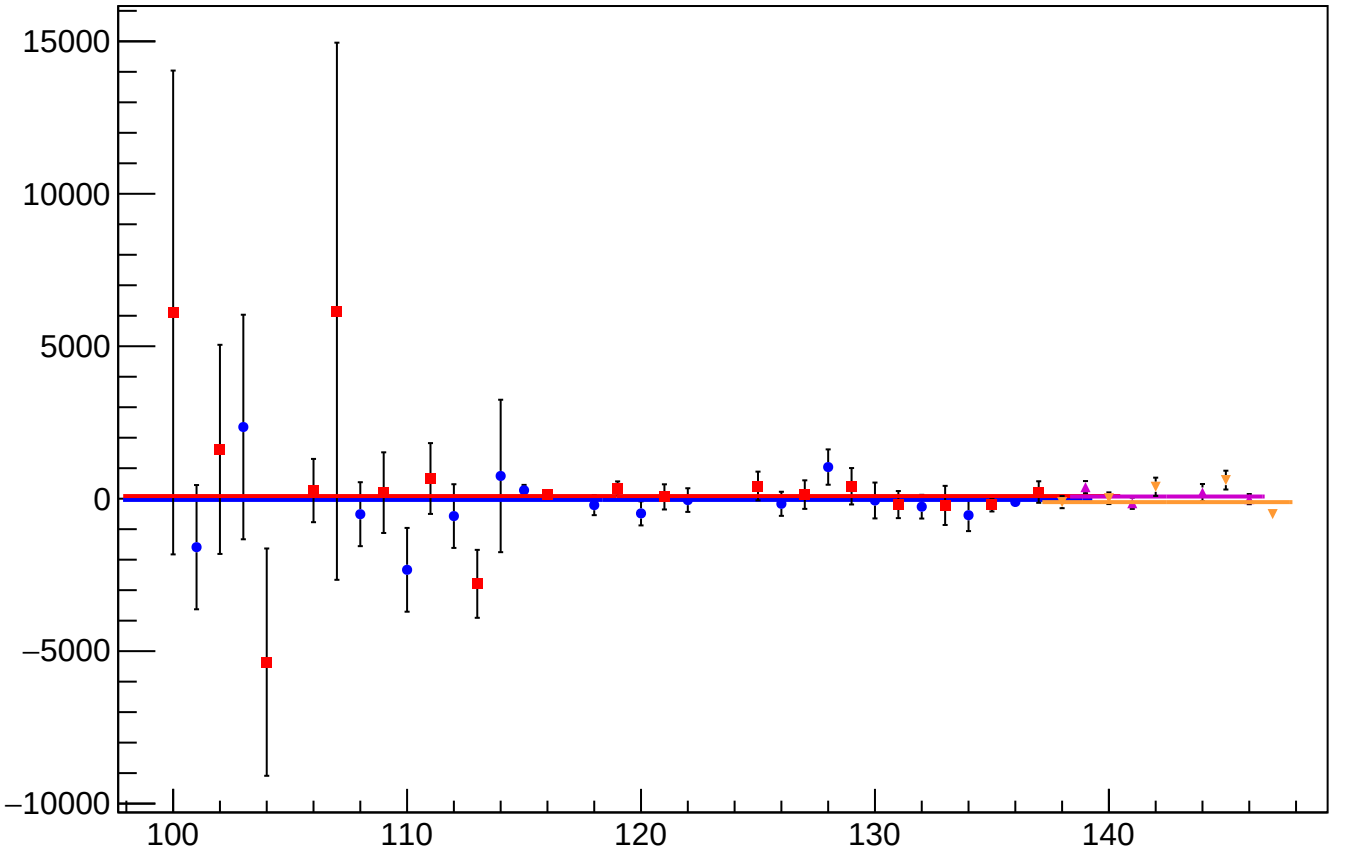
Left: 2176.969+/-0.572 χ^2/NDF: 223.7/8

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2261.608+/-0.493 χ^2/NDF:529857.0/19

Out: 2273.344+/-0.489 χ^2/NDF:191485.5/22

All: 2267.529+/-0.347 χ^2/NDF: 721628.1/42



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -112.315+/-92.577 χ^2/NDF:15.3/4

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 71.407+/-98.565 χ^2/NDF:4.3/3

Left: -26.204+/-67.479 χ^2/NDF: 21.4/8

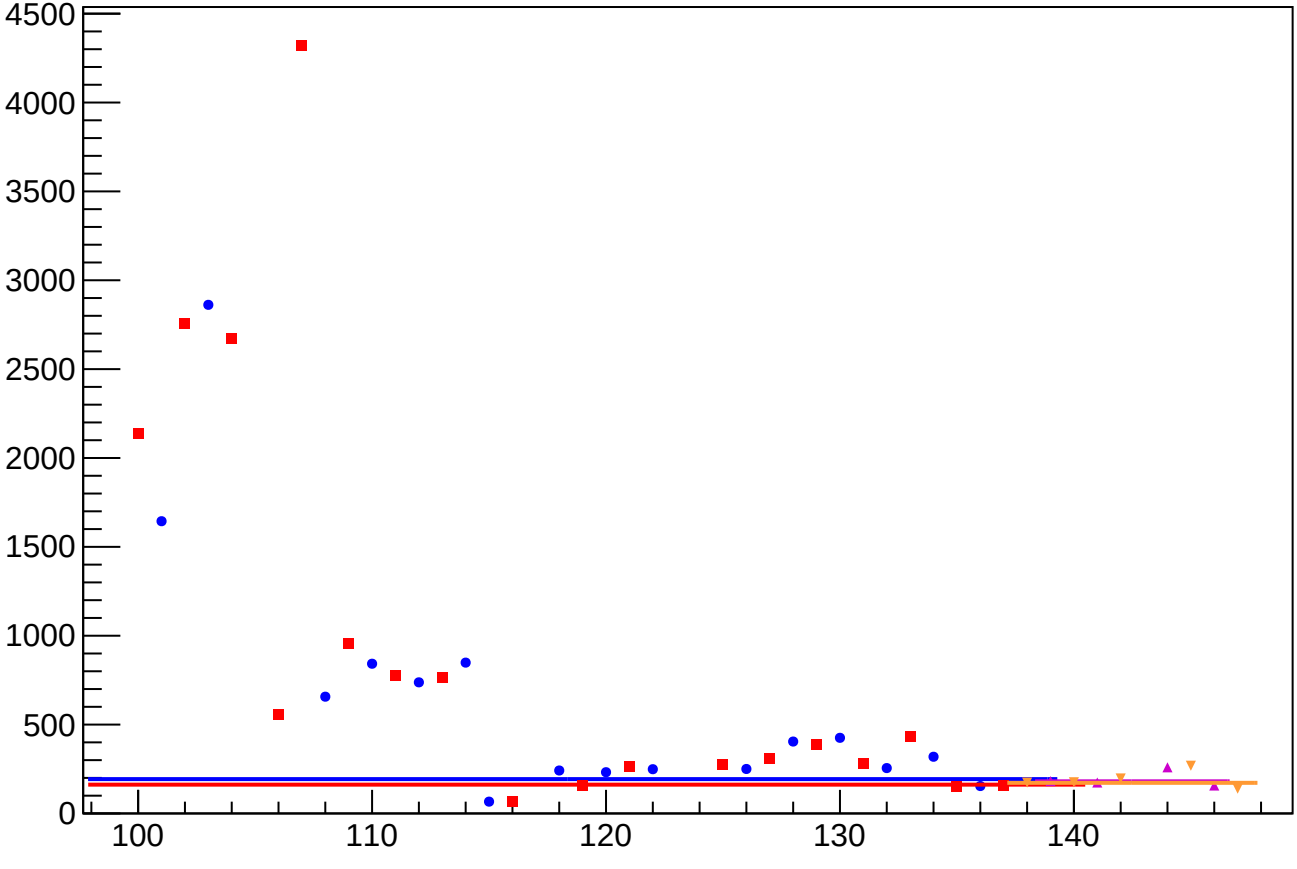
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 12.053+/-67.414 χ^2/NDF:19.0/19

Out: -5.761+/-63.043 χ^2/NDF:32.7/22

All: 2.549+/-46.046 χ^2/NDF: 51.8/42

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: 172.338+/-0.065 χ^2/NDF:300404.6/4

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 180.783+/-0.070 χ^2/NDF:200988.5/3

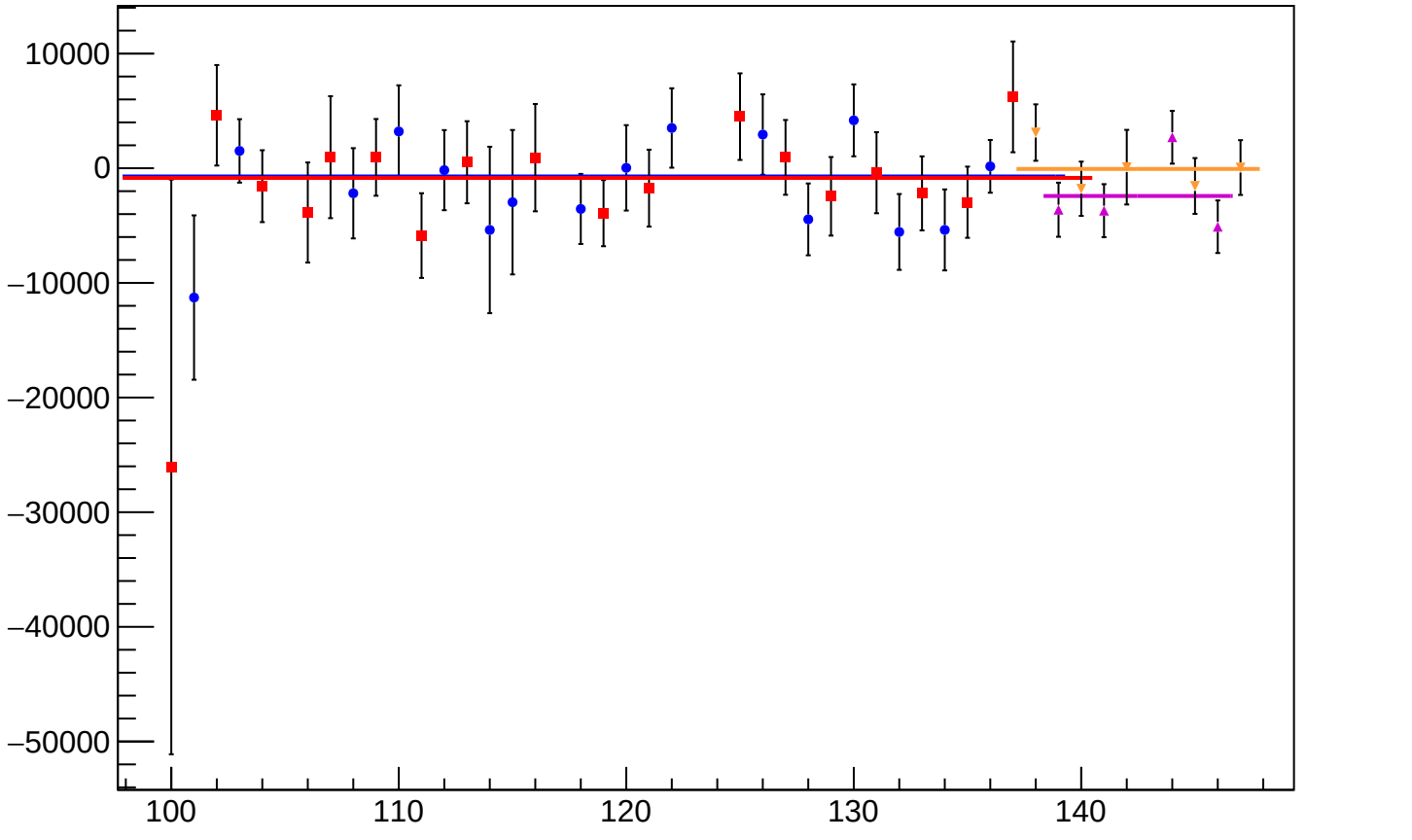
Left: 176.296+/-0.048 χ^2/NDF: 509193.8/8

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 187.421+/-0.048 χ^2/NDF:5835879.6/19

Out: 166.855+/-0.045 χ^2/NDF:7383973.9/22

All: 176.449+/-0.033 χ^2/NDF: 13319147.0/42



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -61.391+/-1130.522 χ^2/NDF:2.6/4

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -2420.211+/-1158.868 χ^2/NDF:6.9/3

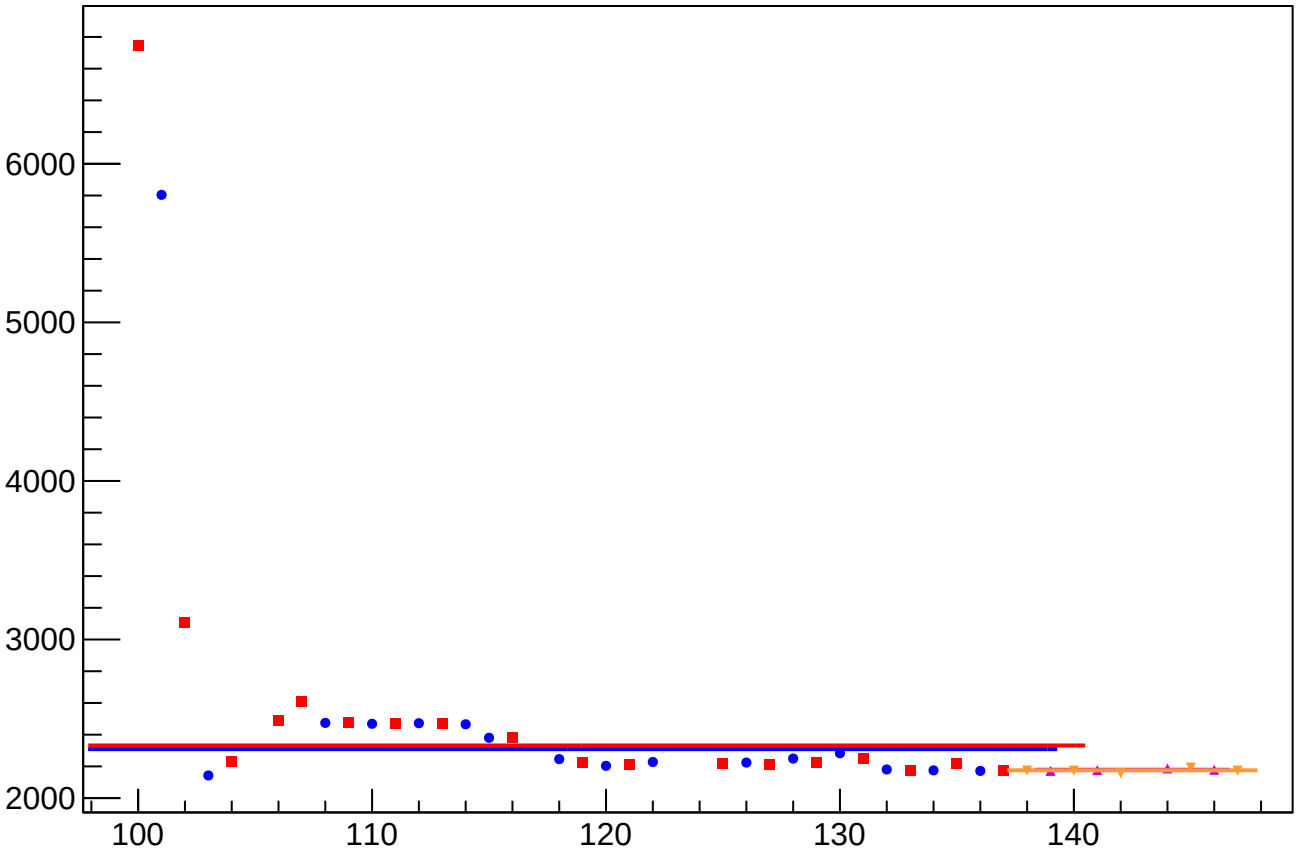
Left: -1211.600+/-809.235 χ^2/NDF: 11.6/8

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -1334.202+/-697.561 χ^2/NDF:24.1/19

Out: -550.254+/-691.255 χ^2/NDF:15.0/22

All: -938.669+/-491.006 χ^2/NDF: 39.8/42



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2175.361+/-0.799 χ^2/NDF:169.9/4

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2178.657+/-0.819 χ^2/NDF:45.5/3

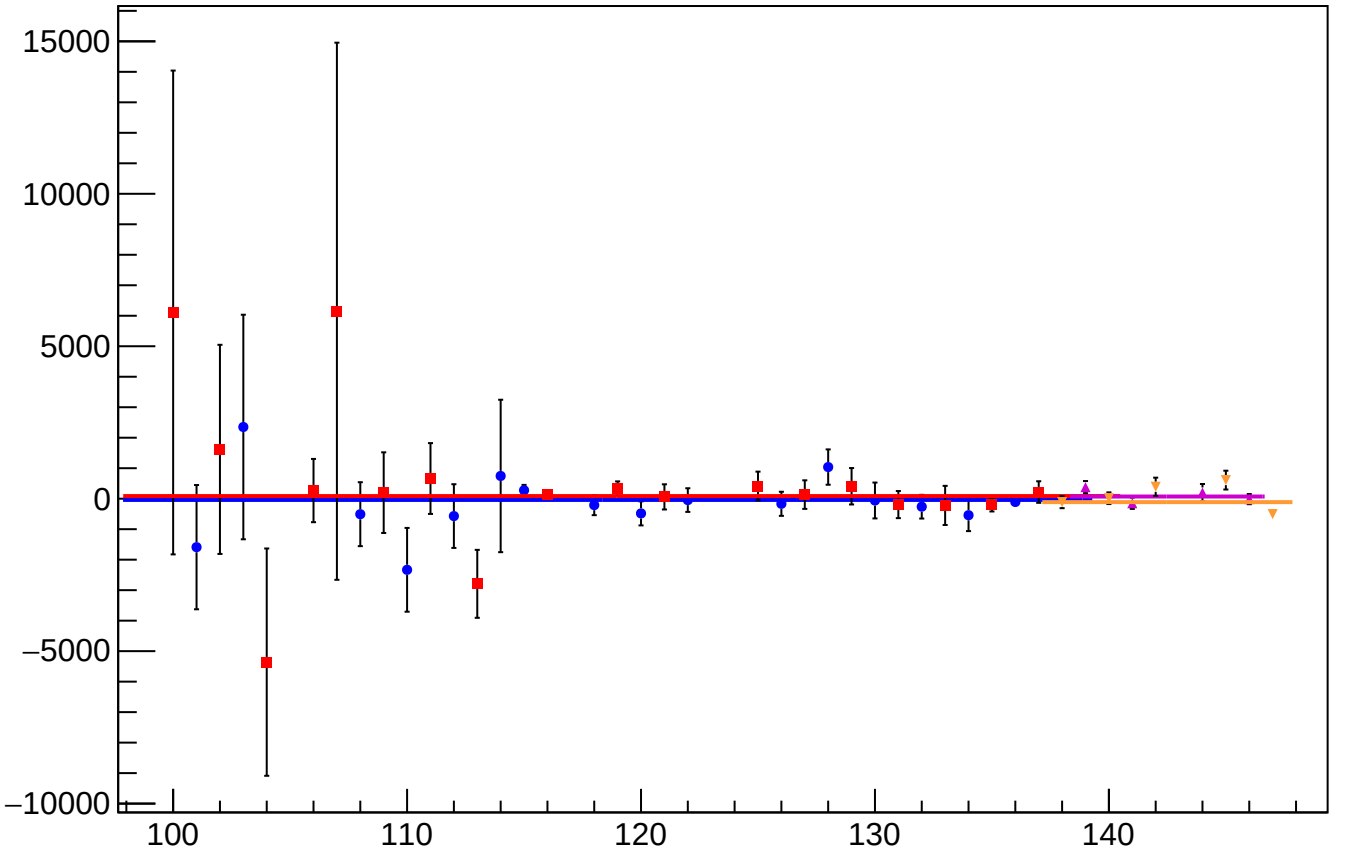
Left: 2176.969+/-0.572 χ^2/NDF: 223.7/8

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2261.607+/-0.493 χ^2/NDF:529857.0/19

Out: 2273.344+/-0.489 χ^2/NDF:191485.3/22

All: 2267.529+/-0.347 χ^2/NDF: 721628.0/42



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -112.314+/-92.577 χ^2/NDF:15.3/4

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 71.405+/-98.565 χ^2/NDF:4.3/3

Left: -26.204+/-67.480 χ^2/NDF: 21.4/8

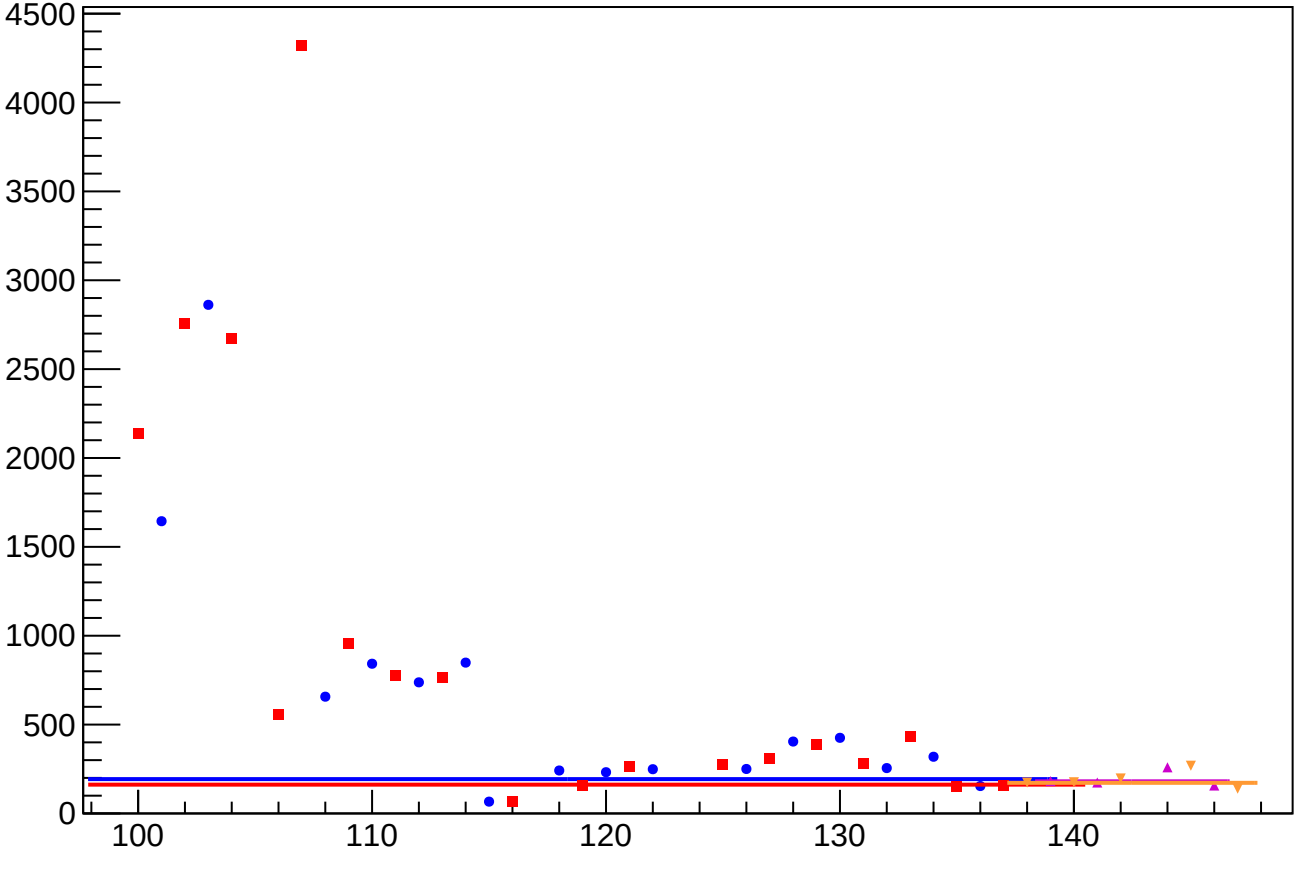
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 12.053+/-67.414 χ^2/NDF:19.0/19

Out: -5.759+/-63.042 χ^2/NDF:32.7/22

All: 2.551+/-46.046 χ^2/NDF: 51.8/42

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: 172.339+/-0.065 χ^2/NDF:300394.6/4

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 180.784+/-0.070 χ^2/NDF:200983.9/3

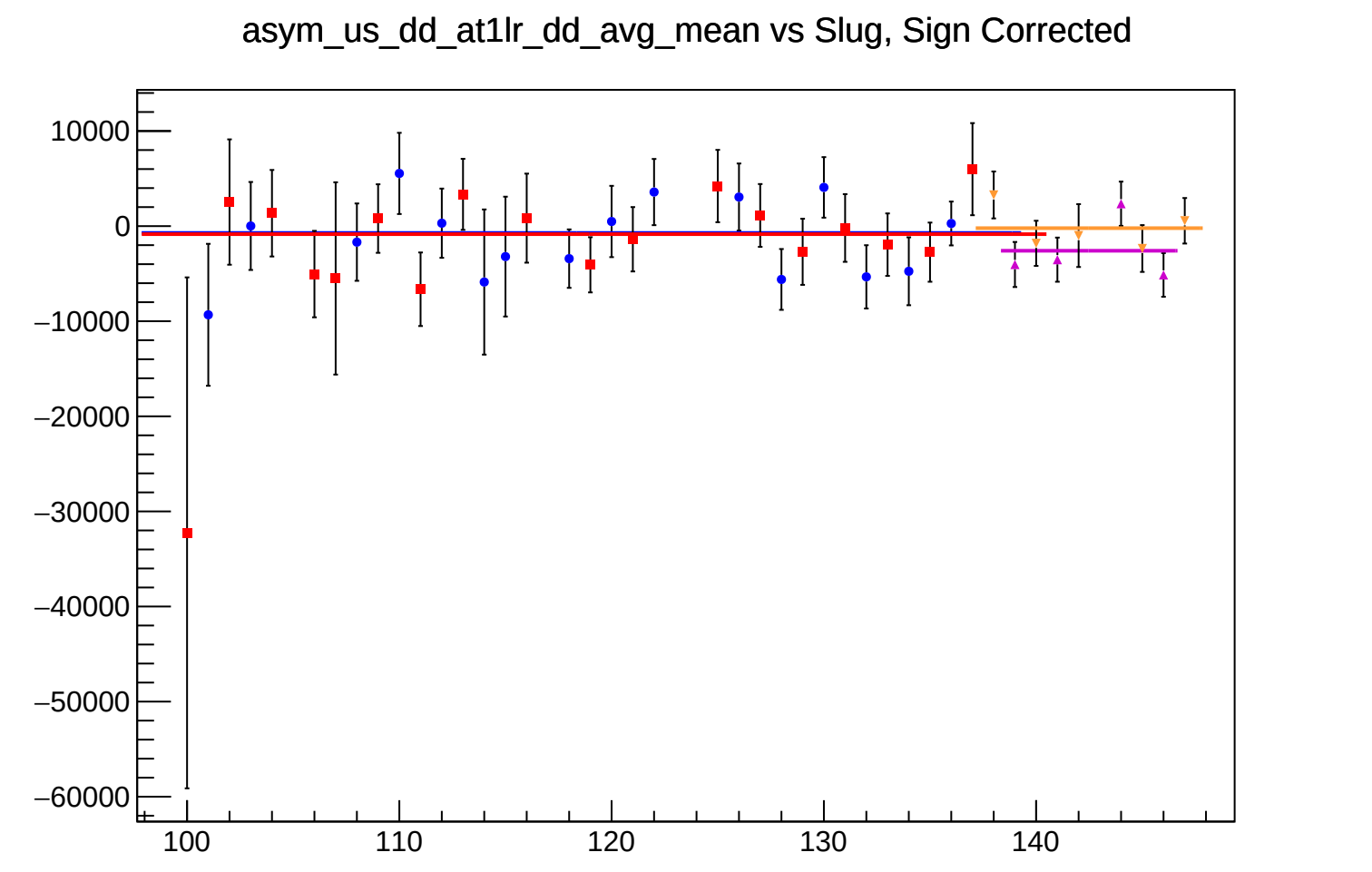
Left: 176.297+/-0.048 χ^2/NDF: 509178.5/8

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 187.420+/-0.048 χ^2/NDF:5835903.7/19

Out: 166.854+/-0.045 χ^2/NDF:7384031.6/22

All: 176.449+/-0.033 χ^2/NDF: 13319229.4/42



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -212.779+/-1137.361 χ^2/NDF:3.4/4

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -2590.075+/-1163.836 χ^2/NDF:6.3/3

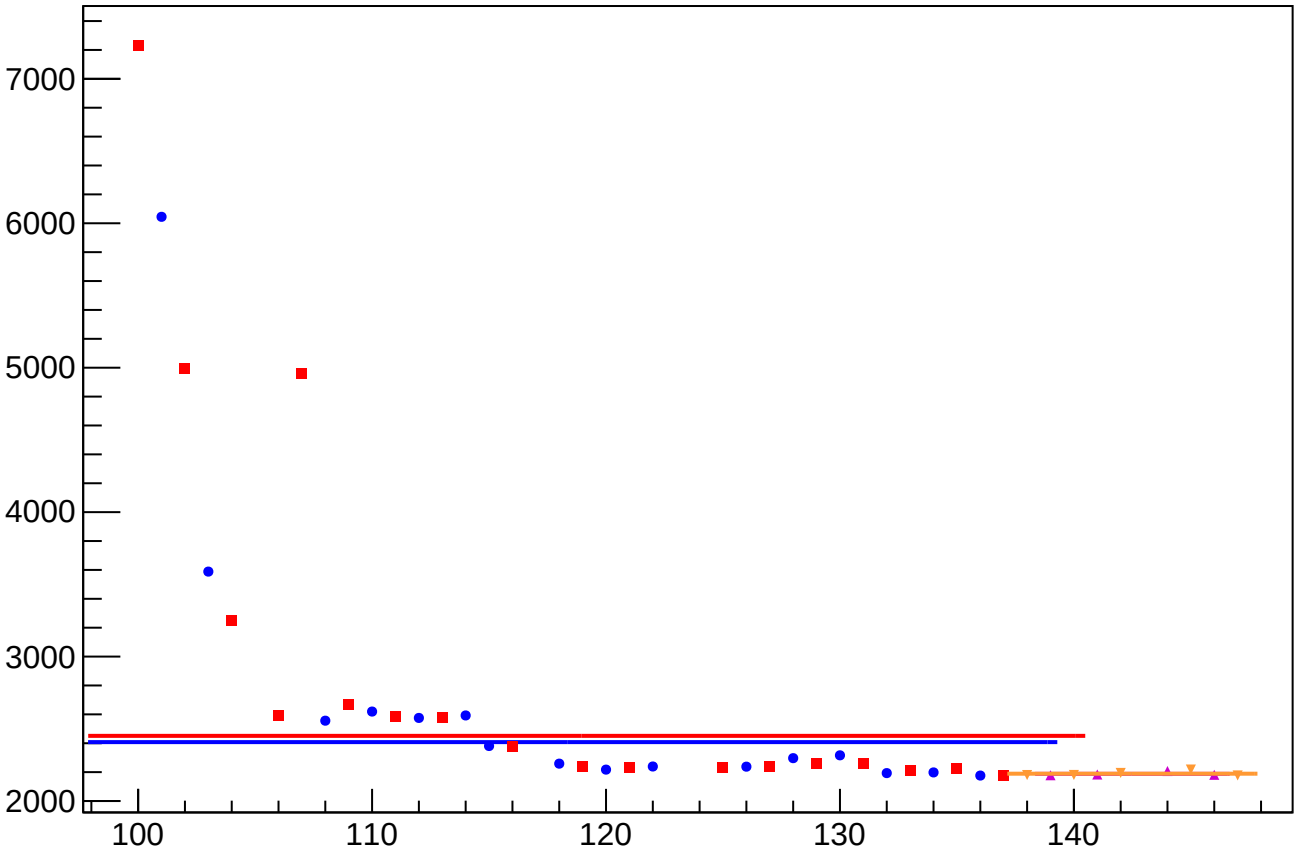
Left: -1374.080+/-813.435 χ^2/NDF: 11.8/8

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1435.267+/-719.910 χ^2/NDF:23.7/19

Out: -591.981+/-719.354 χ^2/NDF:16.5/22

All: -1013.299+/-508.857 χ^2/NDF: 40.8/42



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2189.173+/-0.804 χ^2/NDF:384.5/4

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.965+/-0.823 χ^2/NDF:198.3/3

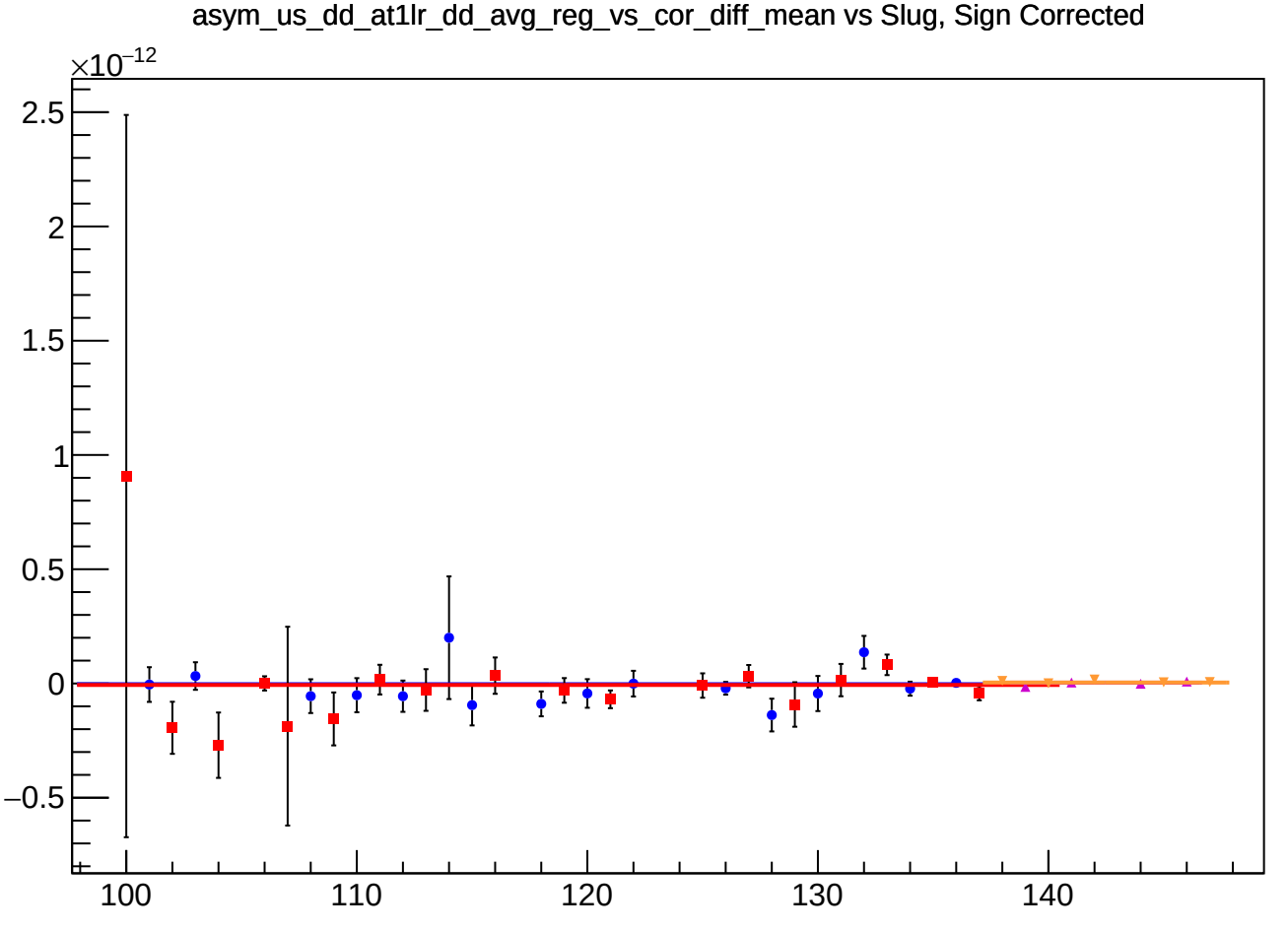
Left: 2188.583+/-0.575 χ^2/NDF: 583.9/8

Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2323.682+/-0.509 χ^2/NDF:721142.1/19

Out: 2346.376+/-0.509 χ^2/NDF:697667.3/22

All: 2335.038+/-0.360 χ^2/NDF: 1419803.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:3.8/3

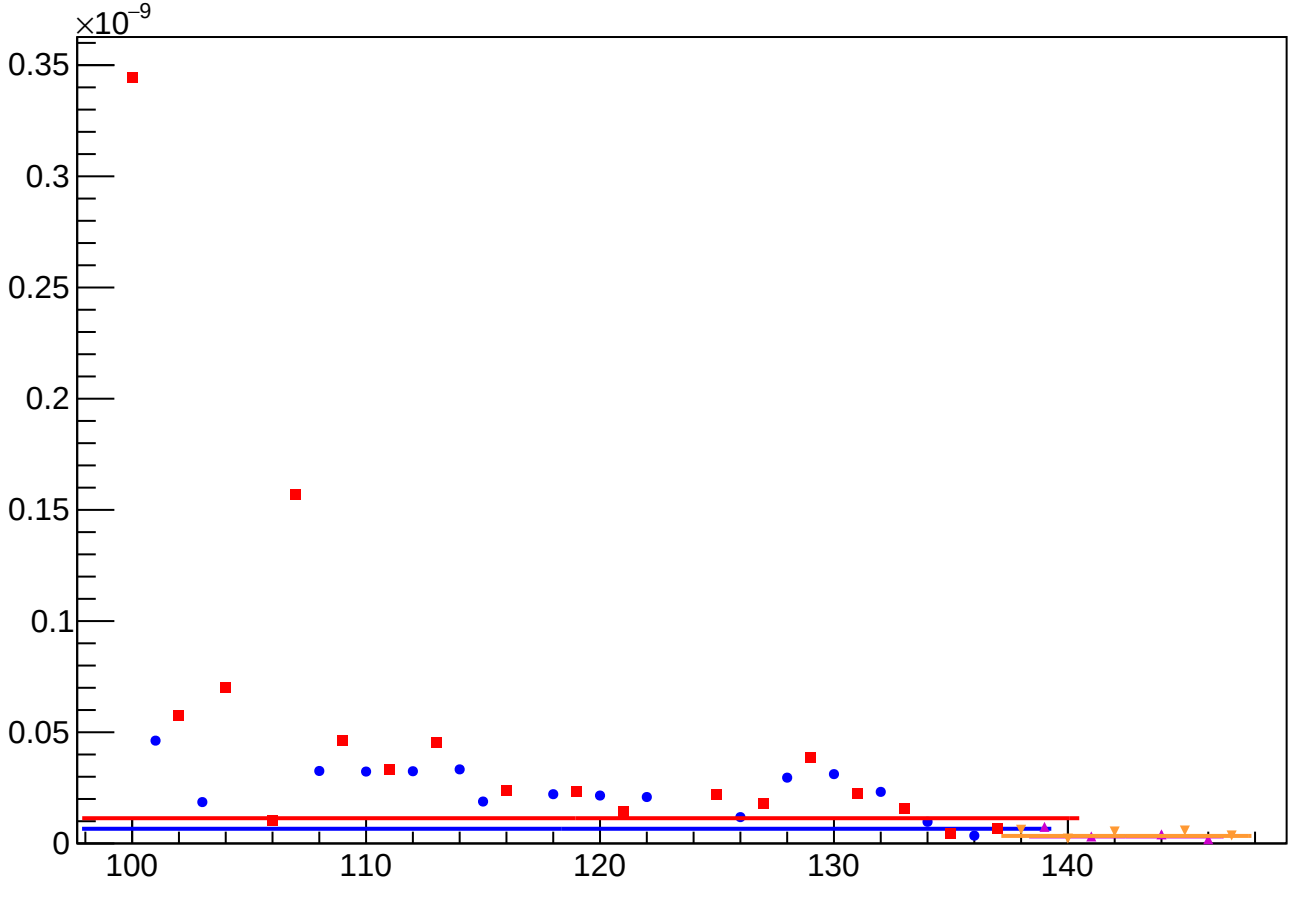
Left: 0.000+/-0.000 χ^2/NDF: 6.1/8

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:20.3/19

Out: 0.000+/-0.000 χ^2/NDF:22.2/22

All: 0.000+/-0.000 χ^2/NDF: 42.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:510461.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:422357.7/3

Left: 0.000+/-0.000 χ^2/NDF: 938229.6/8

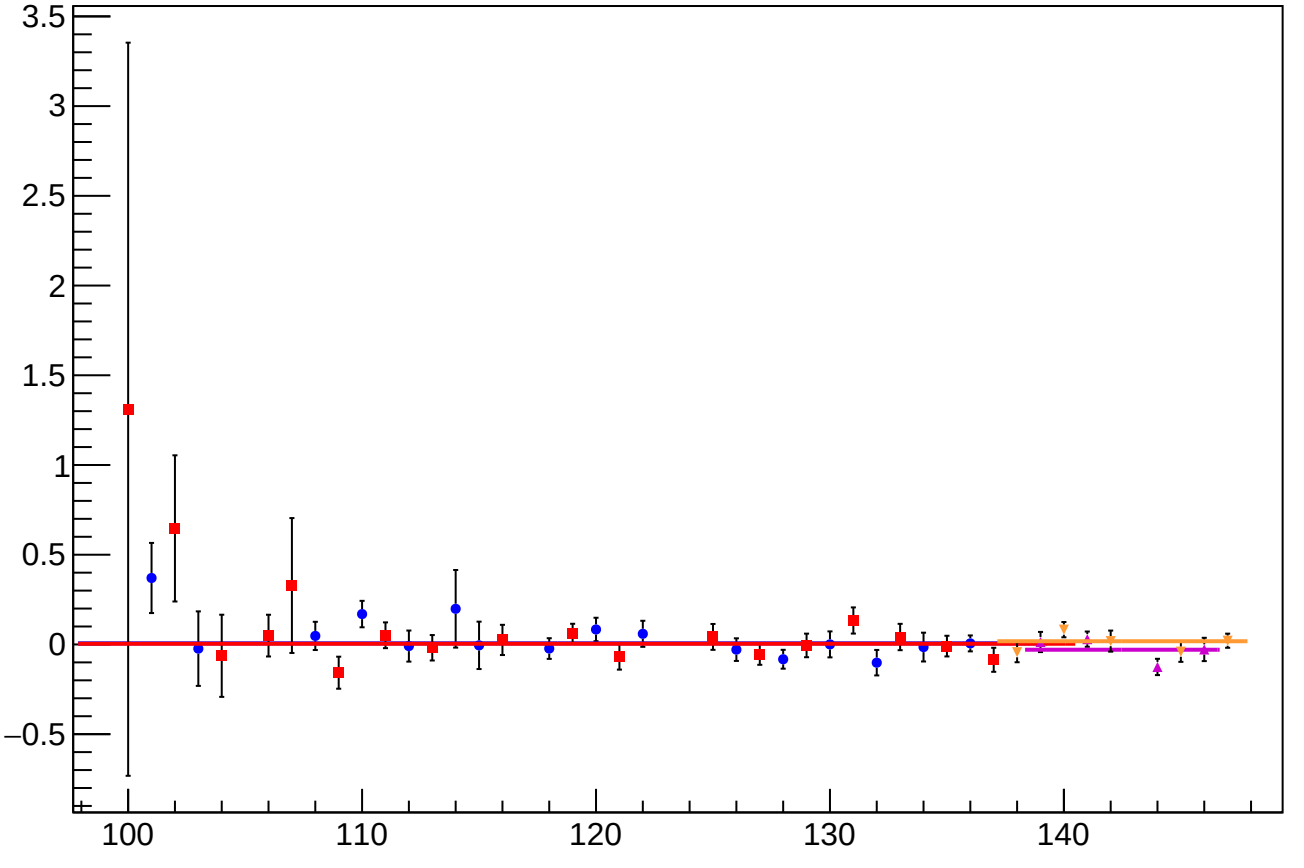
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:3751259.1/19

Out: 0.000+/-0.000 χ^2/NDF:4416944.5/22

All: 0.000+/-0.000 χ^2/NDF: 8173917.5/42

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: 0.018+/-0.022 χ^2/NDF:4.6/4

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.029+/-0.025 χ^2/NDF:7.0/3

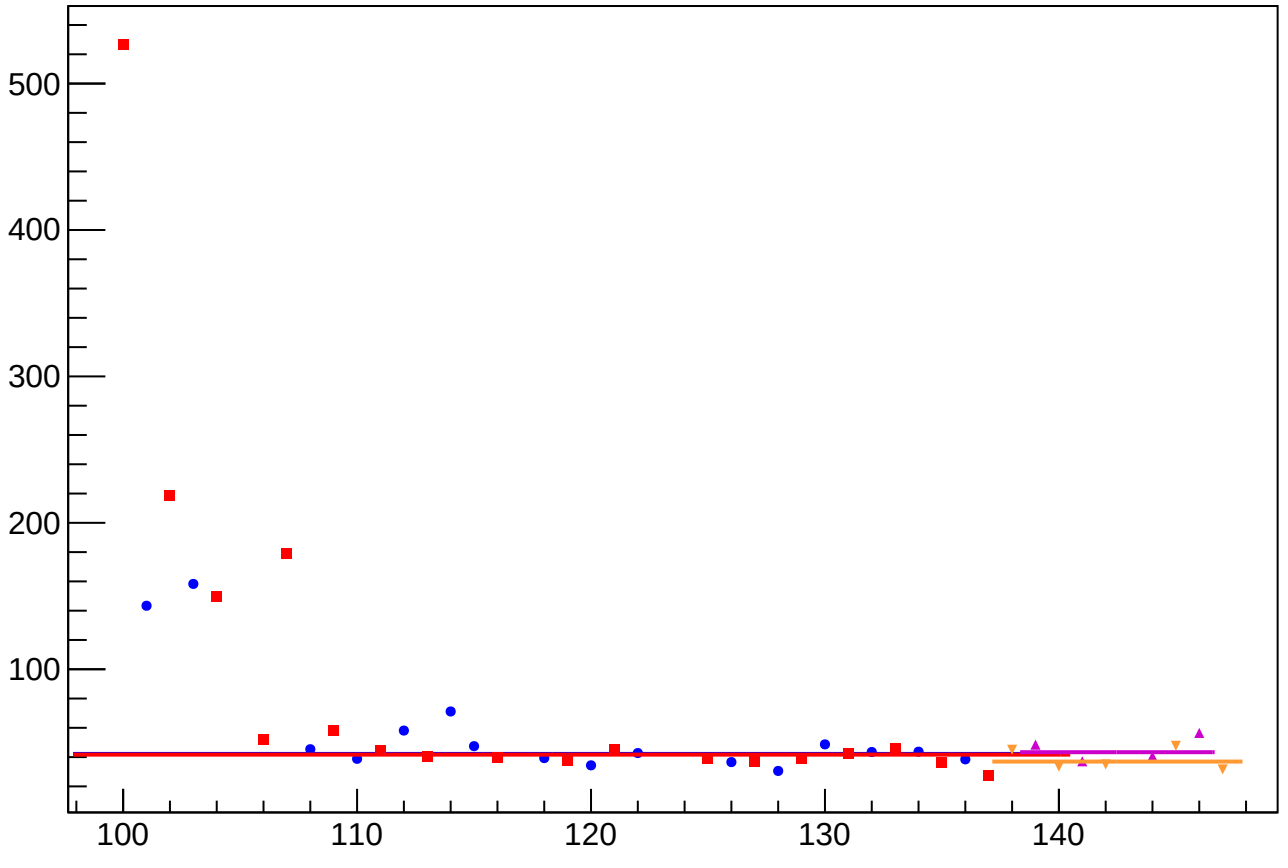
Left: -0.002+/-0.016 χ^2/NDF: 13.6/8

Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.015 χ^2/NDF:25.5/19

Out: 0.010+/-0.014 χ^2/NDF:21.1/22

All: 0.002+/-0.010 χ^2/NDF: 47.2/42



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.948+/-0.015 χ^2/NDF:166422.9/4

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 43.351+/-0.018 χ^2/NDF:148827.1/3

Left: 39.695+/-0.012 χ^2/NDF: 389727.2/8

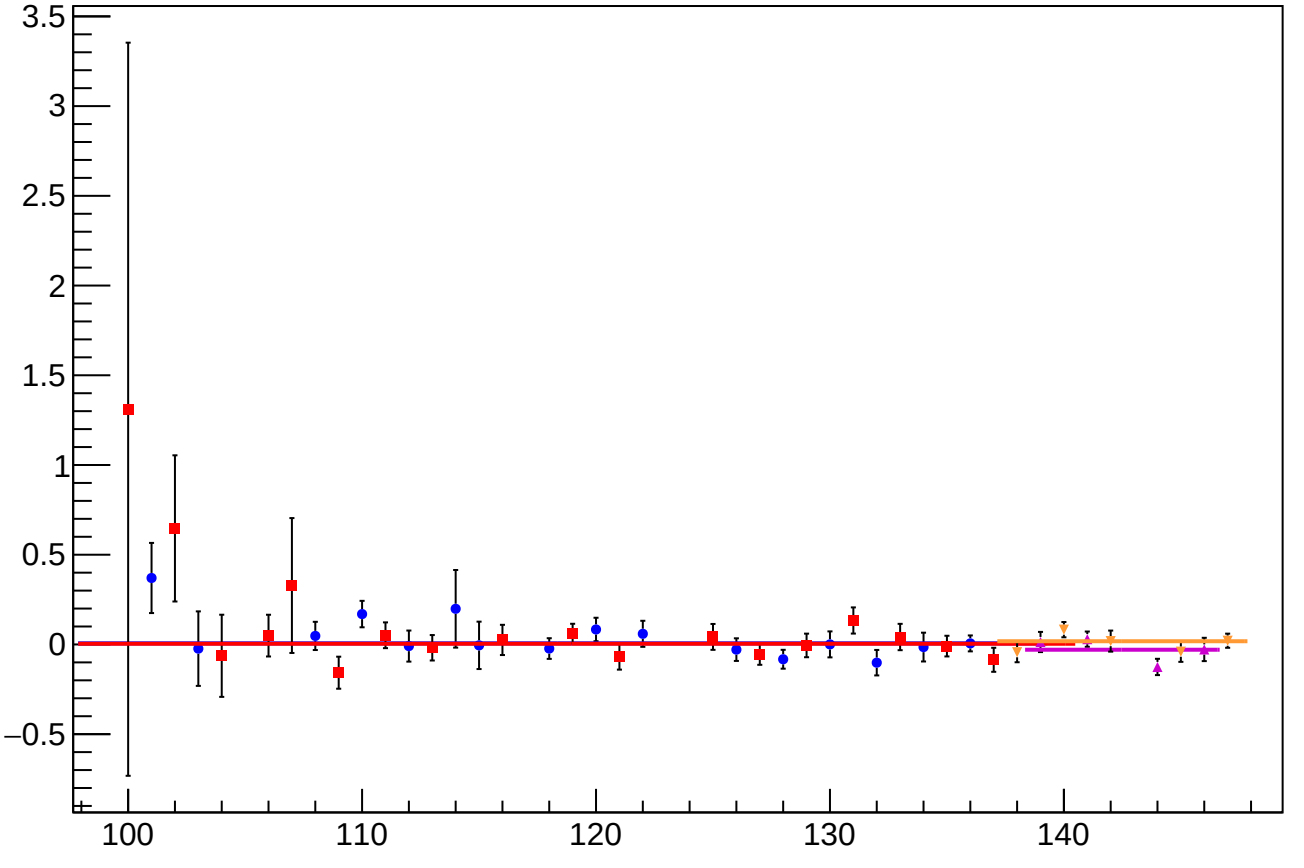
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.576+/-0.010 χ^2/NDF:1606126.6/19

Out: 39.688+/-0.010 χ^2/NDF:1662662.1/22

All: 41.069+/-0.007 χ^2/NDF: 3308762.1/42

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: 0.018+/-0.022 χ^2/NDF:4.6/4

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.029+/-0.025 χ^2/NDF:7.0/3

Left: -0.002+/-0.016 χ^2/NDF: 13.6/8

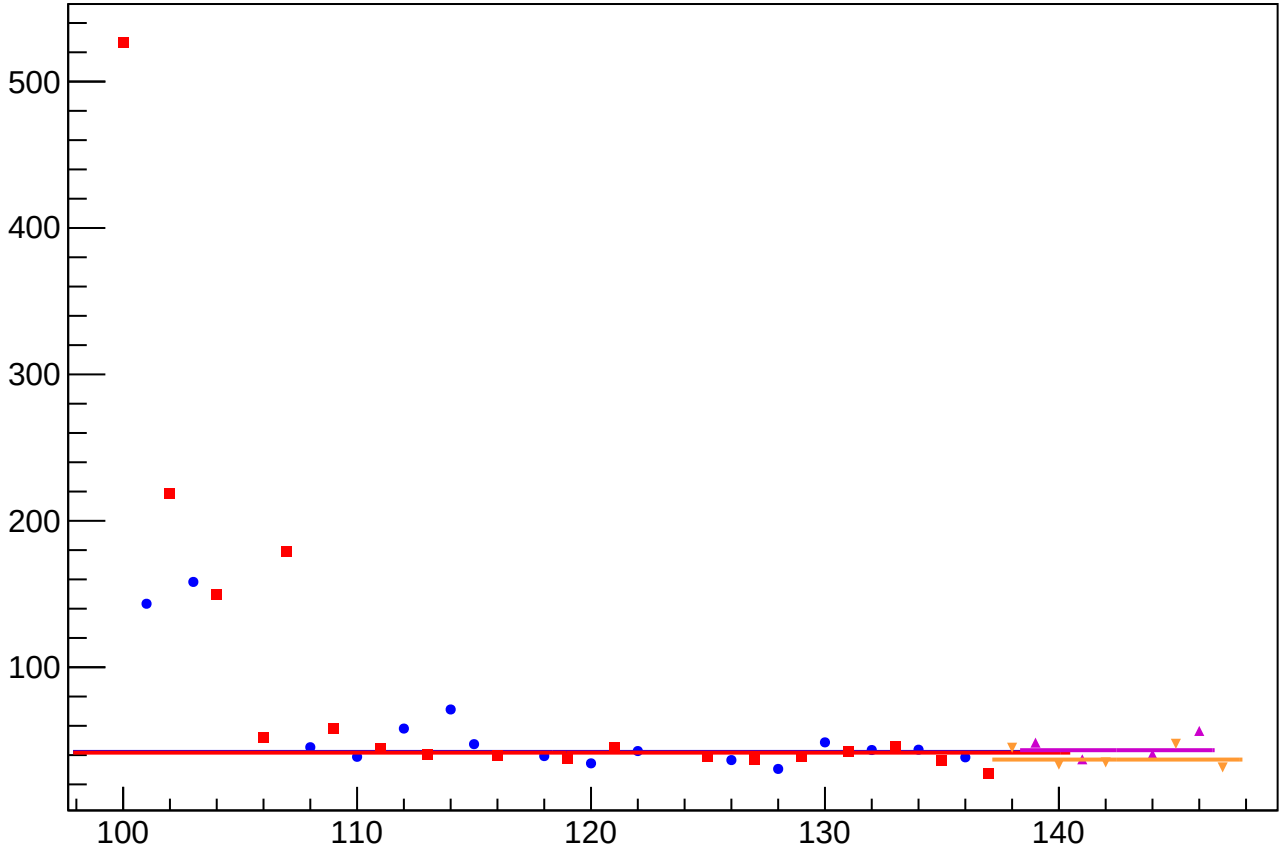
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.015 χ^2/NDF:25.5/19

Out: 0.010+/-0.014 χ^2/NDF:21.1/22

All: 0.002+/-0.010 χ^2/NDF: 47.2/42

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: 36.948+/-0.015 χ^2/NDF:166422.9/4

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 43.351+/-0.018 χ^2/NDF:148827.1/3

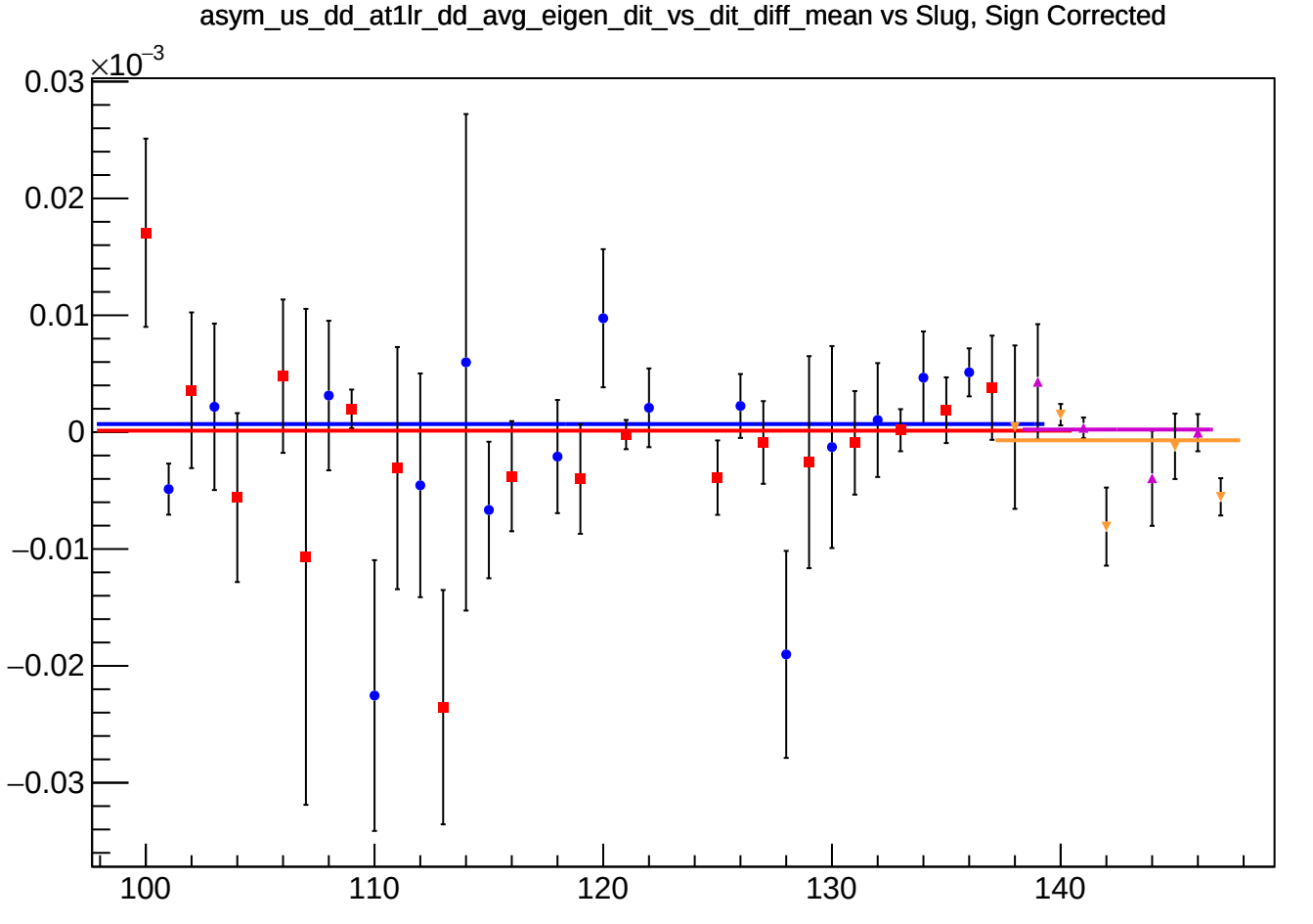
Left: 39.695+/-0.012 χ^2/NDF: 389727.2/8

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 42.576+/-0.010 χ^2/NDF:1606126.6/19

Out: 39.688+/-0.010 χ^2/NDF:1662662.1/22

All: 41.069+/-0.007 χ^2/NDF: 3308762.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

Left: -0.000+/-0.000 χ^2/NDF: 22.4/8

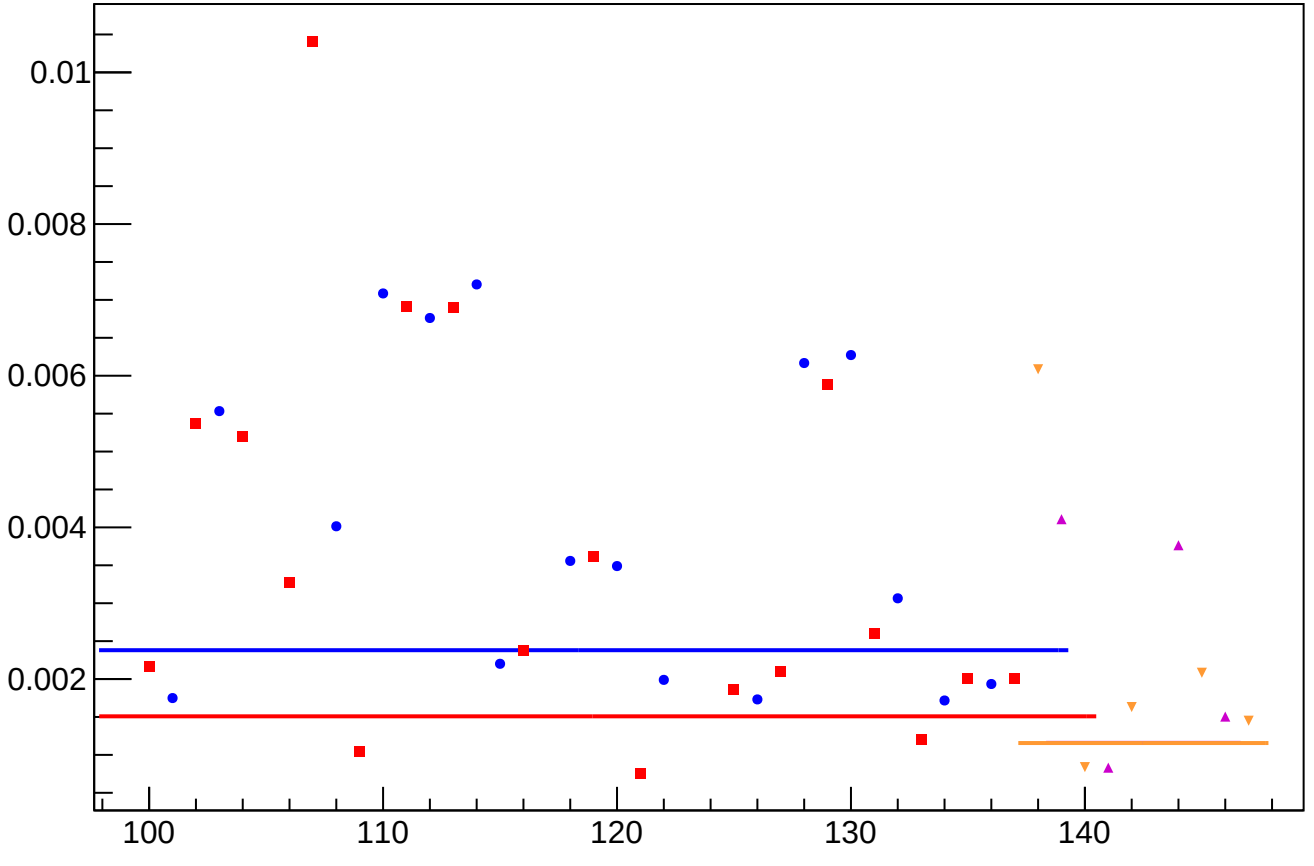
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:28.4/19

Out: -0.000+/-0.000 χ^2/NDF:37.9/22

All: 0.000+/-0.000 χ^2/NDF: 67.0/42

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:1561655.9/4

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:1898160.9/3

Left: 0.001+/-0.000 χ^2/NDF: 3459824.9/8

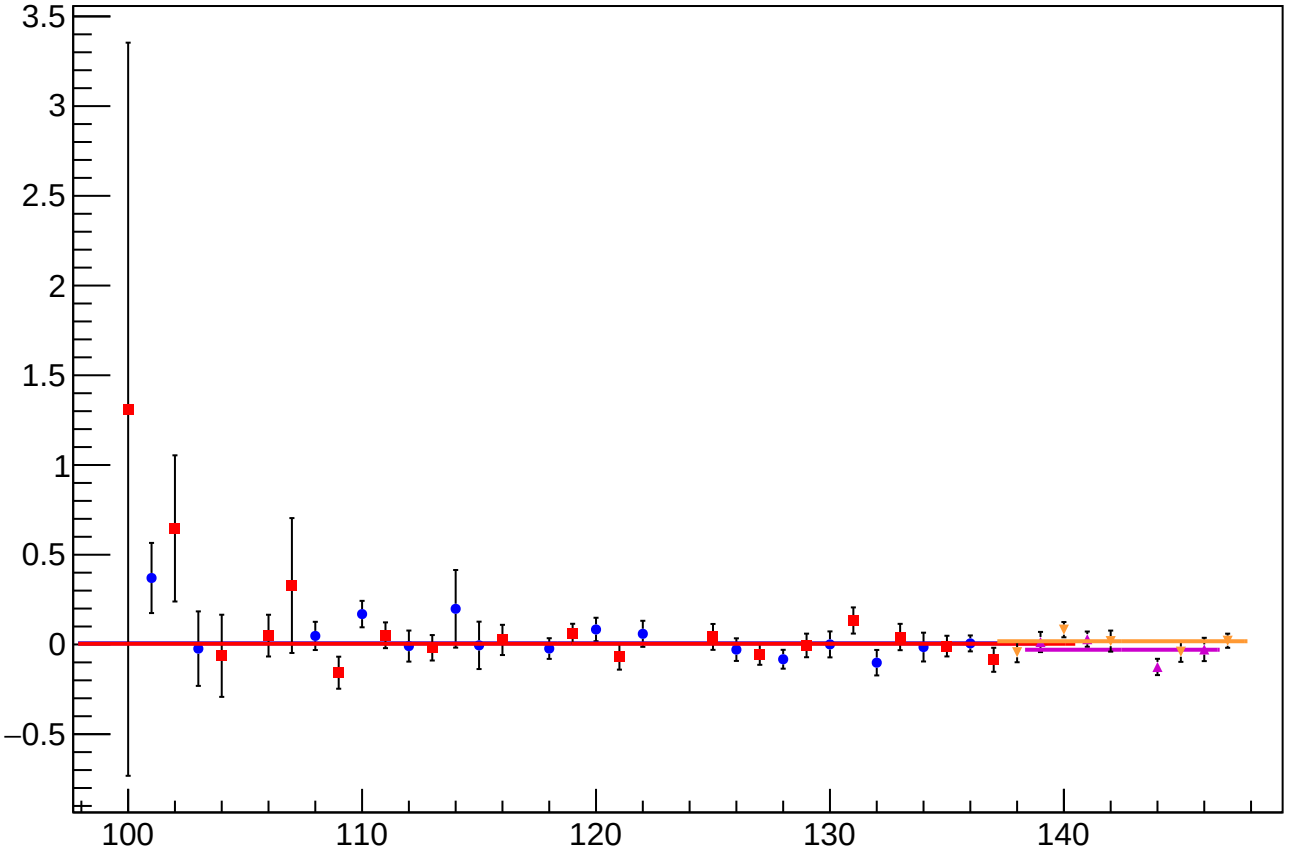
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:6595720.6/19

Out: 0.001+/-0.000 χ^2/NDF:6795379.1/22

All: 0.001+/-0.000 χ^2/NDF: 13593553.5/42

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: 0.018+/-0.022 χ^2/NDF:4.6/4

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.029+/-0.025 χ^2/NDF:7.0/3

Left: -0.002+/-0.016 χ^2/NDF: 13.6/8

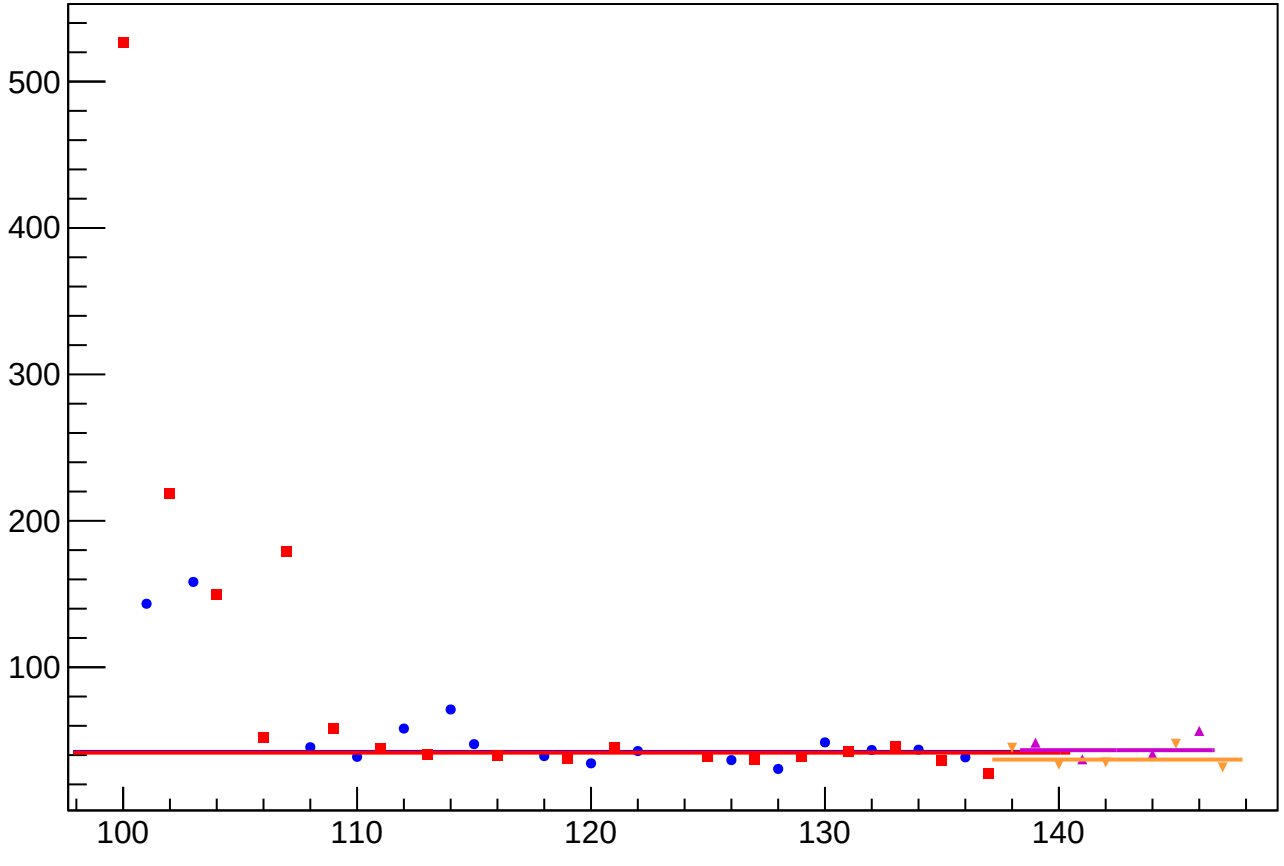
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.015 χ^2/NDF:25.5/19

Out: 0.010+/-0.014 χ^2/NDF:21.1/22

All: 0.002+/-0.010 χ^2/NDF: 47.2/42

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: 36.948+/-0.015 χ^2/NDF:166404.5/4

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 43.351+/-0.018 χ^2/NDF:148831.3/3

Left: 39.696+/-0.012 χ^2/NDF: 389717.1/8

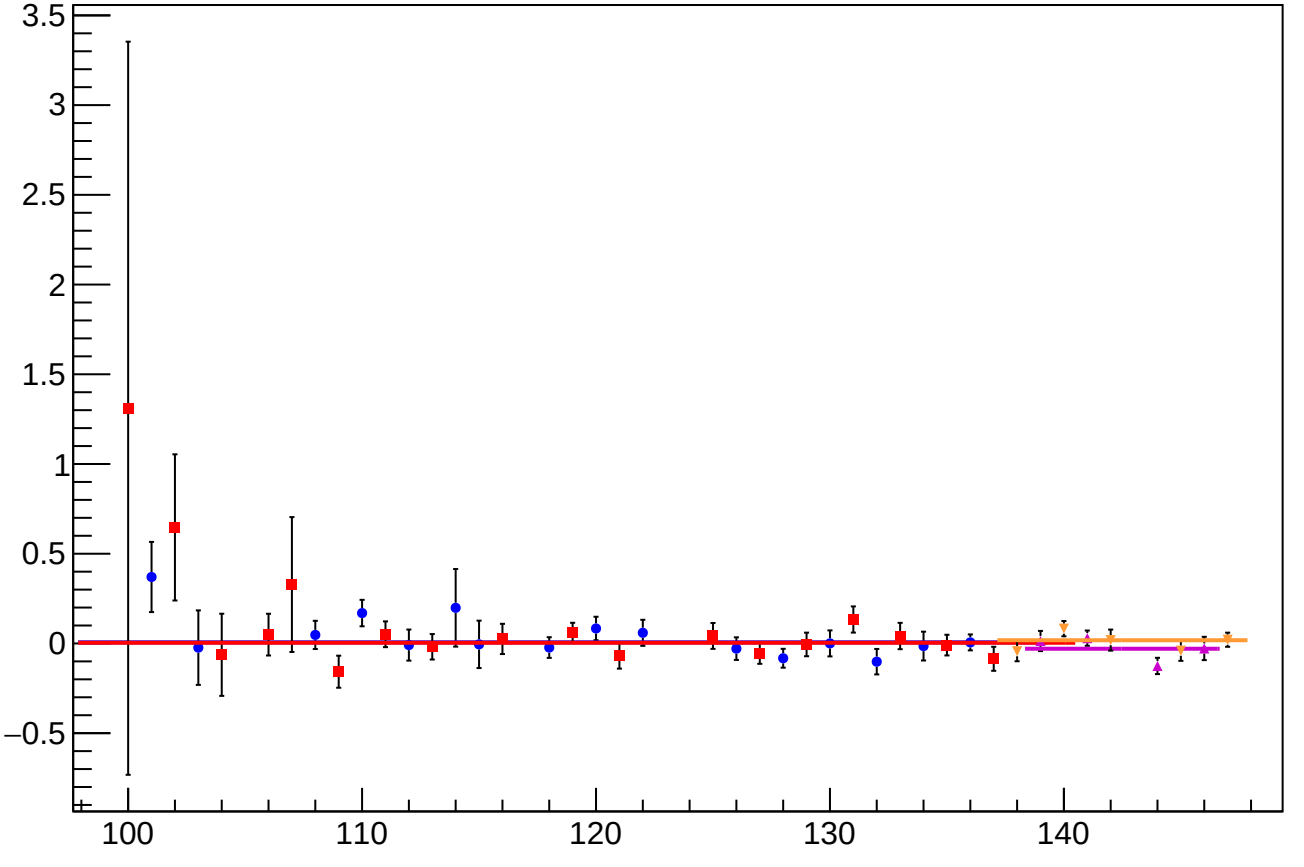
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 42.575+/-0.010 χ^2/NDF:1606358.9/19

Out: 39.688+/-0.010 χ^2/NDF:1662630.5/22

All: 41.068+/-0.007 χ^2/NDF: 3308913.0/42

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: 0.018+/-0.022 χ^2/NDF:4.6/4

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.029+/-0.025 χ^2/NDF:7.0/3

Left: -0.002+/-0.016 χ^2/NDF: 13.6/8

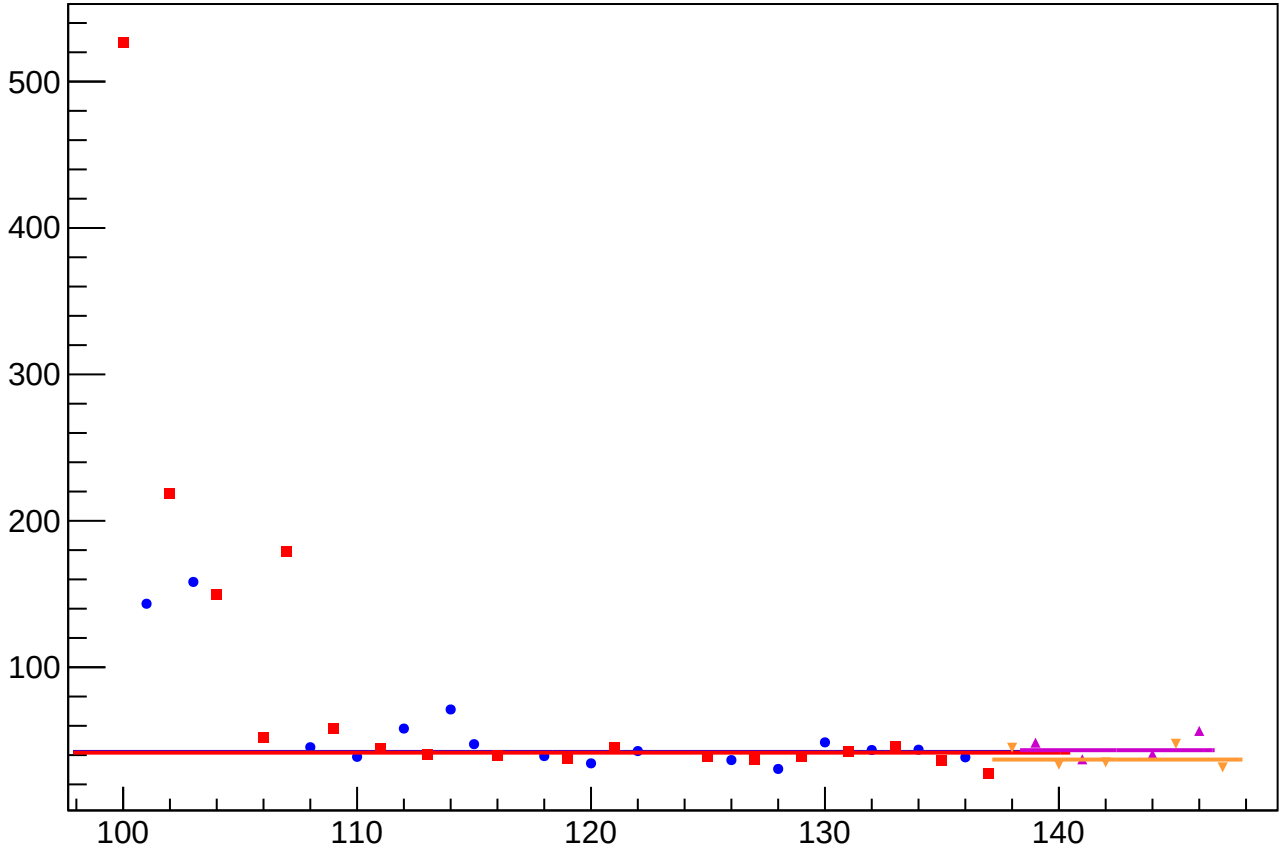
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.015 χ^2/NDF:25.5/19

Out: 0.010+/-0.014 χ^2/NDF:21.1/22

All: 0.002+/-0.010 χ^2/NDF: 47.2/42

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: 36.948+/-0.015 χ^2/NDF:166404.5/4

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 43.351+/-0.018 χ^2/NDF:148831.3/3

Left: 39.696+/-0.012 χ^2/NDF: 389717.1/8

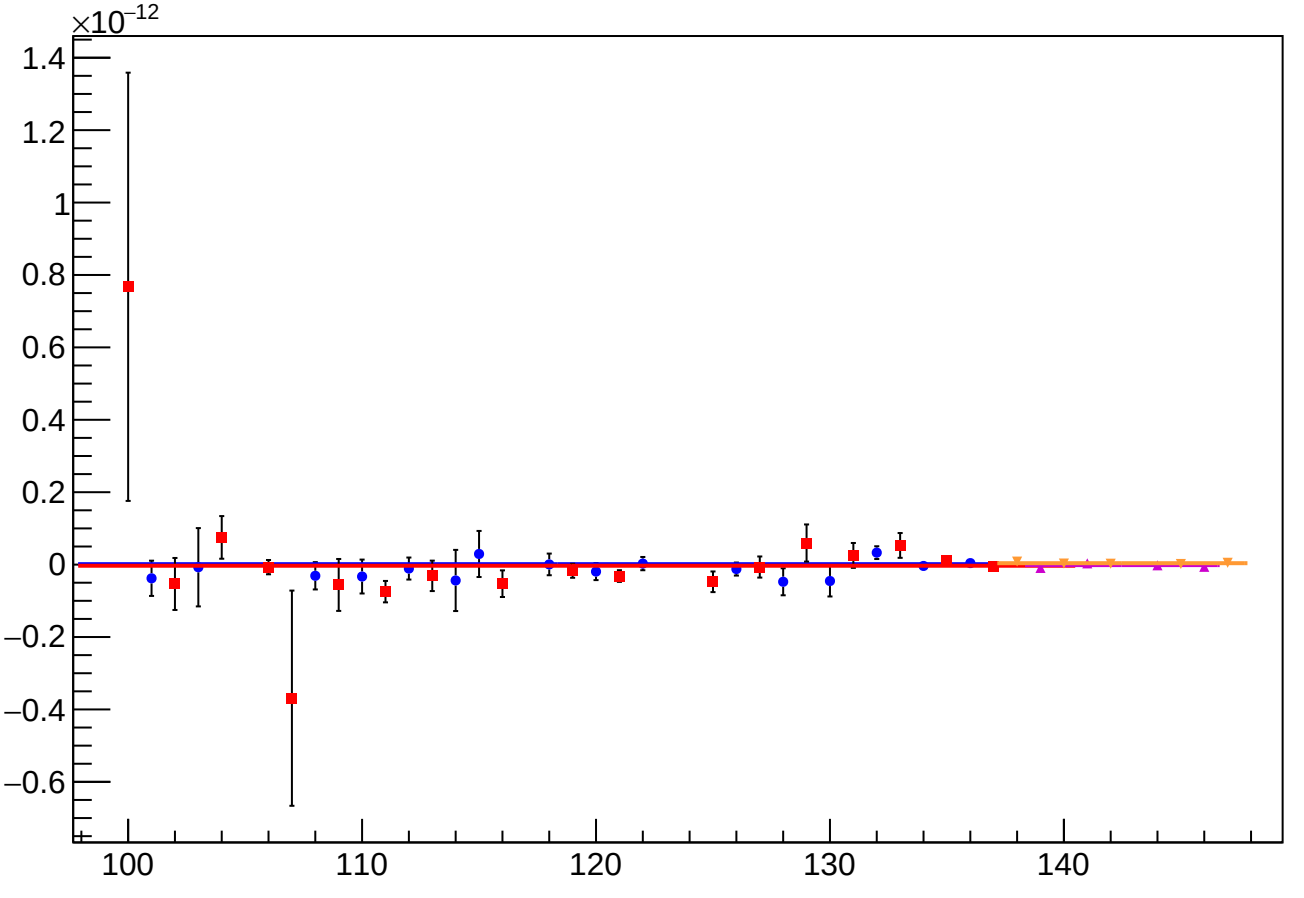
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 42.575+/-0.010 χ^2/NDF:1606358.9/19

Out: 39.688+/-0.010 χ^2/NDF:1662630.5/22

All: 41.068+/-0.007 χ^2/NDF: 3308913.0/42

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:1.2/4

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:4.2/3

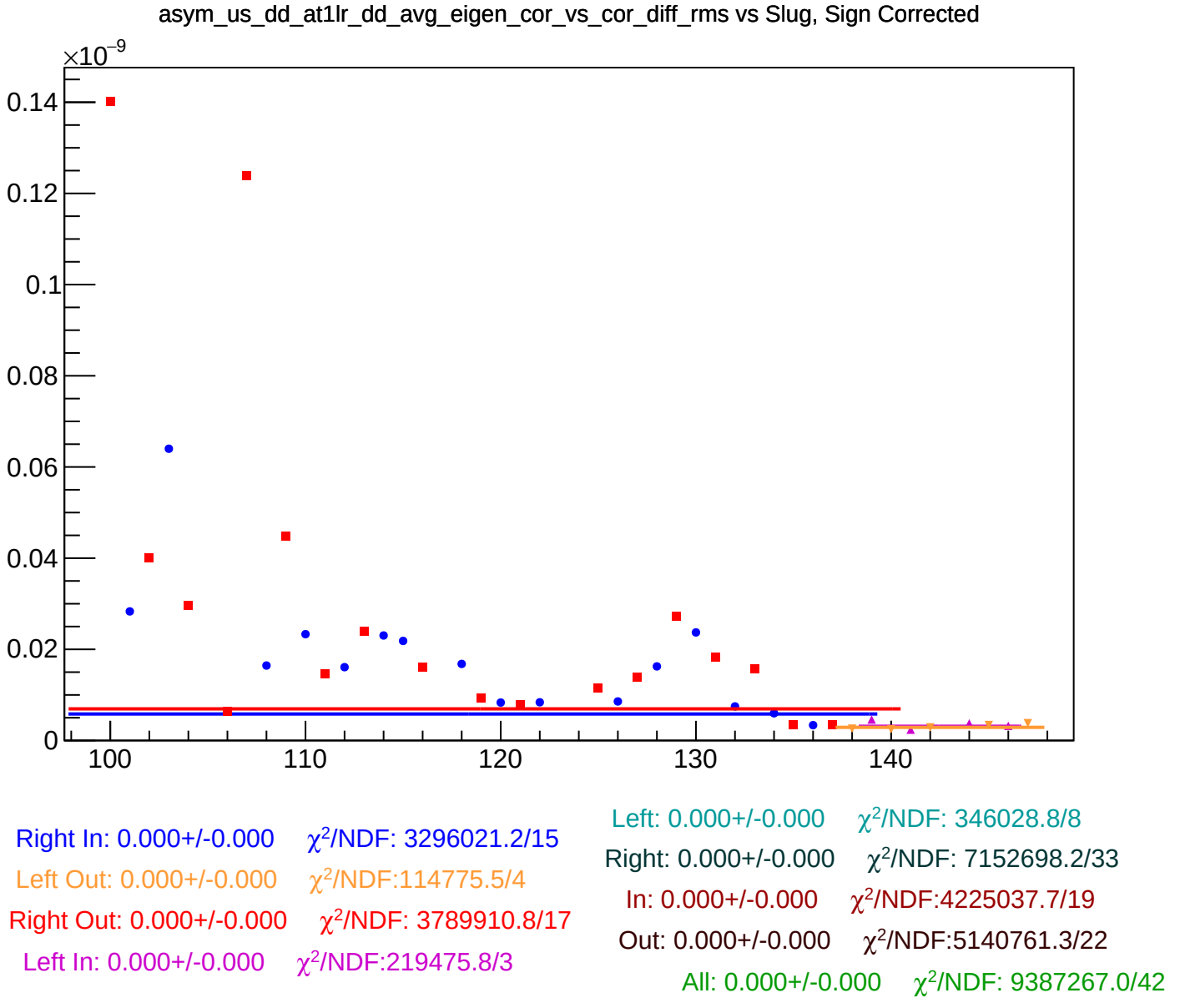
Left: 0.000+/-0.000 χ^2/NDF: 8.5/8

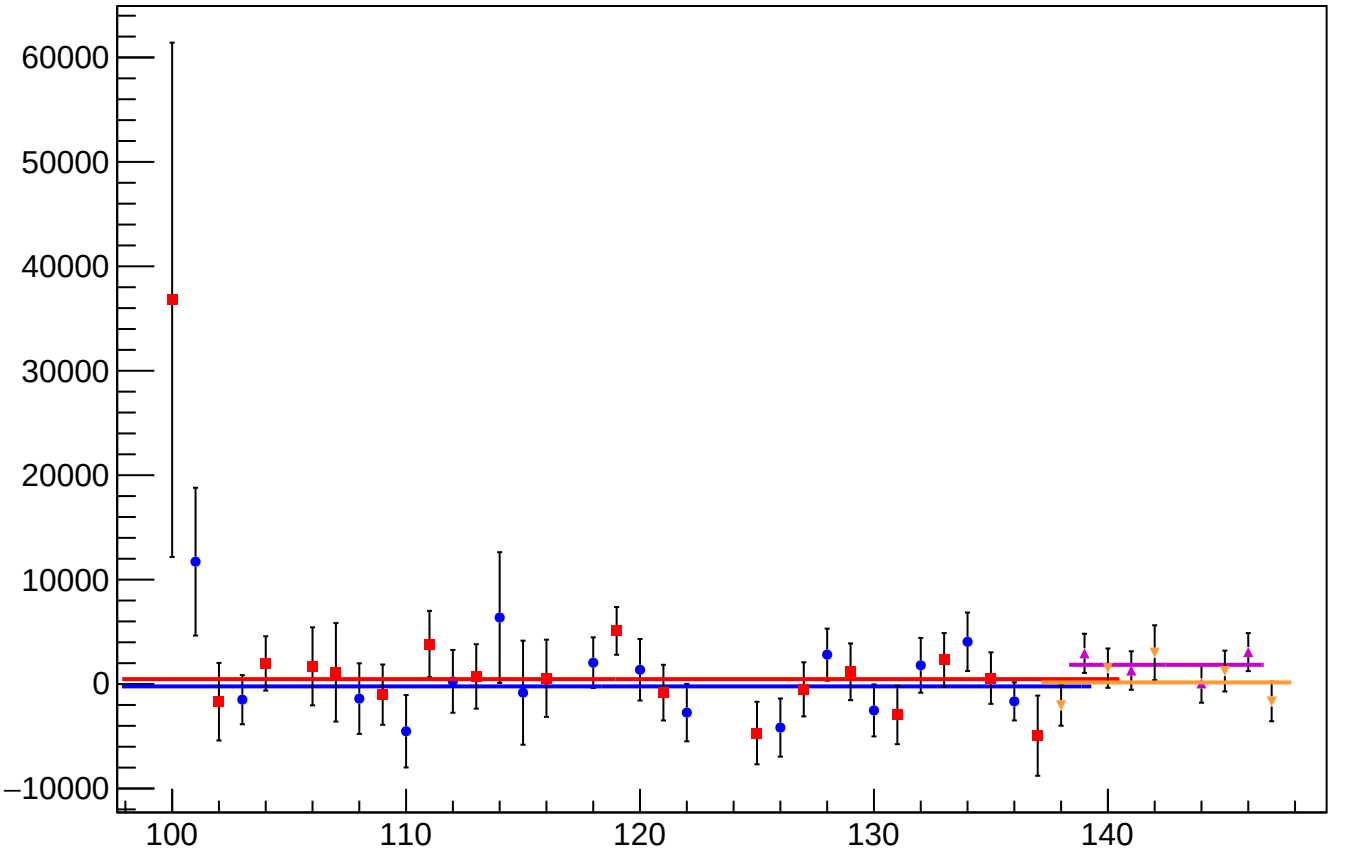
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:15.1/19

Out: 0.000+/-0.000 χ^2/NDF:31.9/22

All: 0.000+/-0.000 χ^2/NDF: 48.7/42


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:114775.5/4
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:219475.8/3
Left: 0.000+/-0.000 χ²/NDF: 346028.8/8
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4225037.7/19
Out: 0.000+/-0.000 χ²/NDF:5140761.3/22
All: 0.000+/-0.000 χ²/NDF: 9387267.0/42



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 155.304+/-901.892 χ^2/NDF:4.2/4

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 1844.081+/-923.399 χ^2/NDF:1.8/3

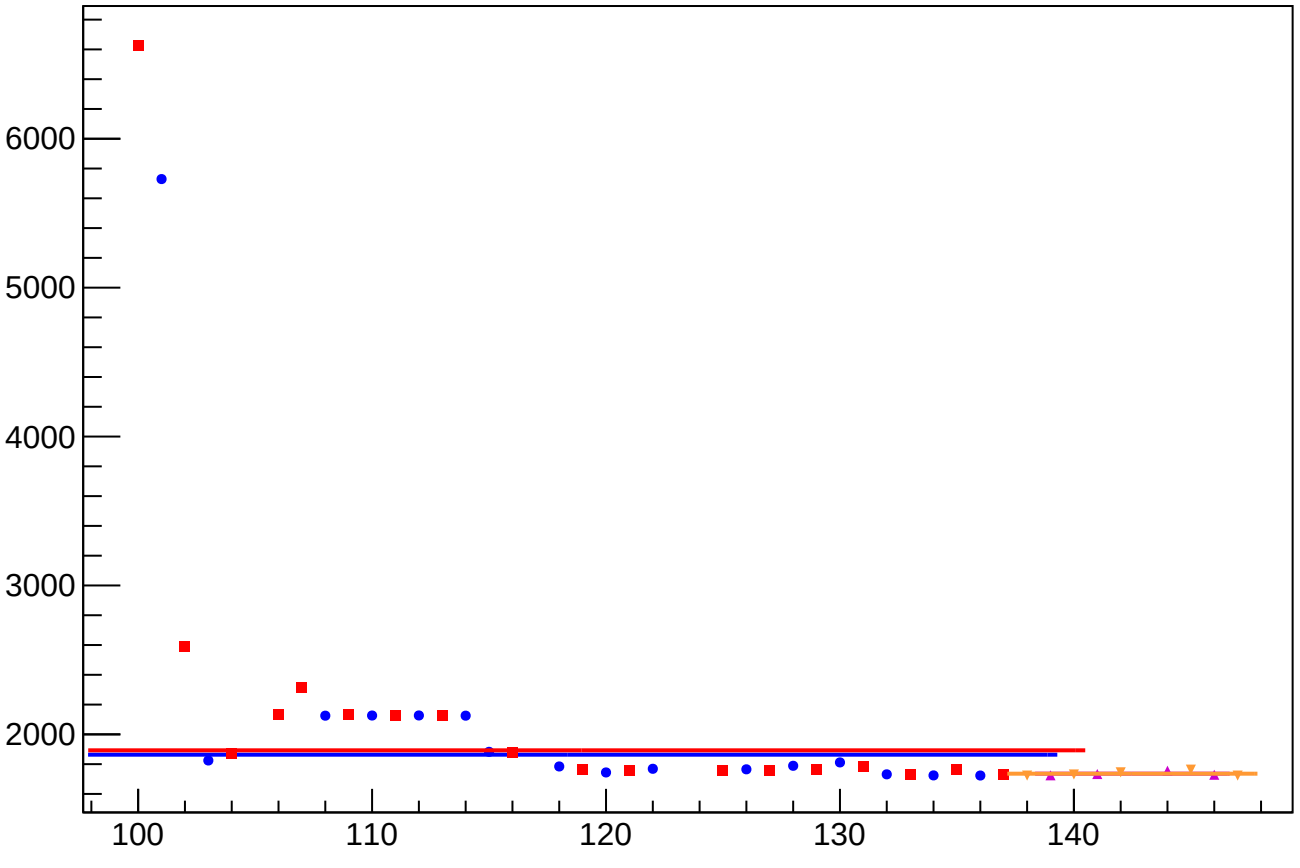
Left: 979.797+/-645.203 χ^2/NDF: 7.7/8

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 543.873+/-562.430 χ^2/NDF:20.8/19

Out: 350.769+/-558.589 χ^2/NDF:20.1/22

All: 446.659+/-396.333 χ^2/NDF: 41.0/42



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1735.904+/-0.638 χ^2/NDF:600.7/4

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

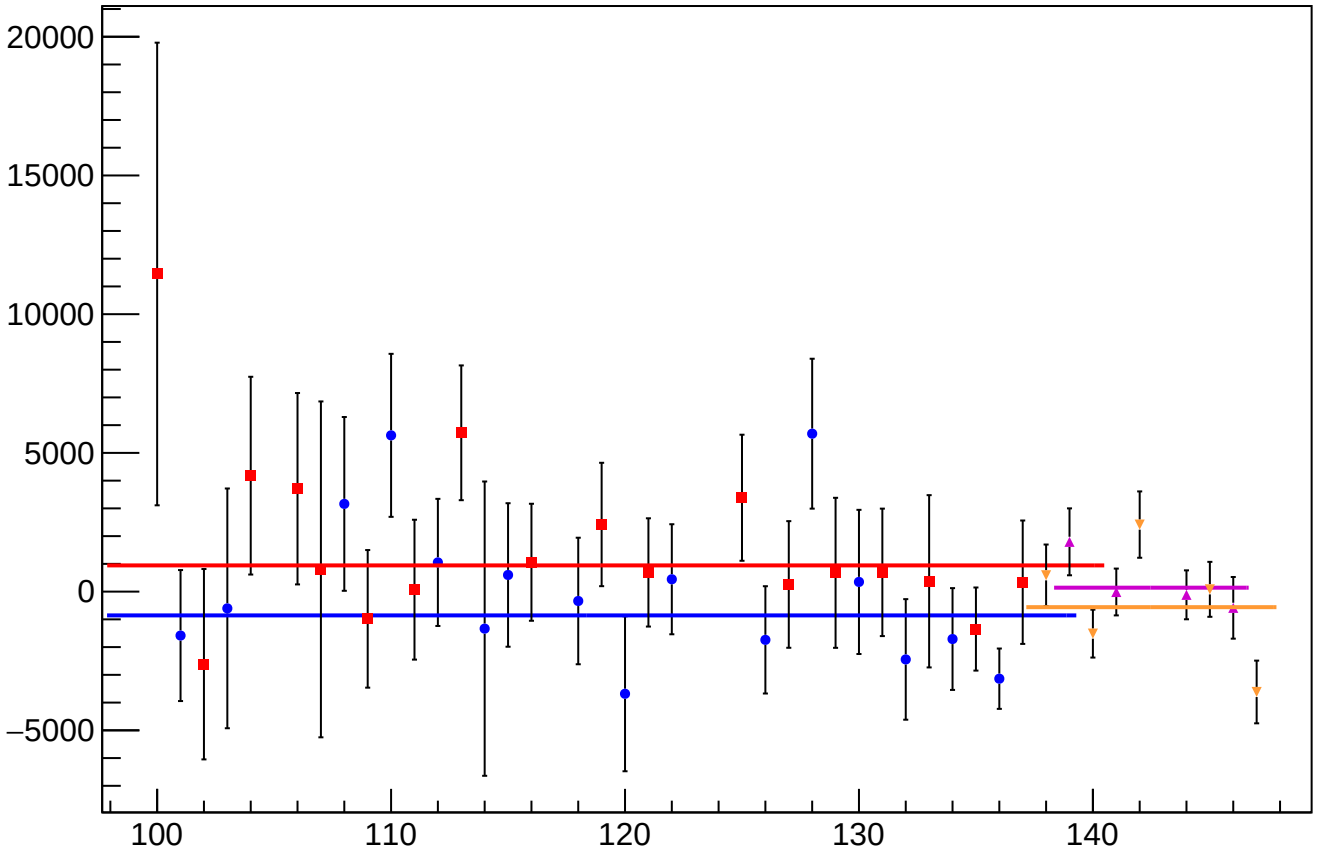
Left: 1735.917+/-0.456 χ^2/NDF: 931.9/8

Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1816.224+/-0.398 χ^2/NDF:699037.6/19

Out: 1832.656+/-0.395 χ^2/NDF:289453.4/22

All: 1824.496+/-0.280 χ^2/NDF: 989350.3/42



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -560.634+/-463.396 χ^2/NDF:16.2/4

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 141.633+/-488.683 χ^2/NDF:2.4/3

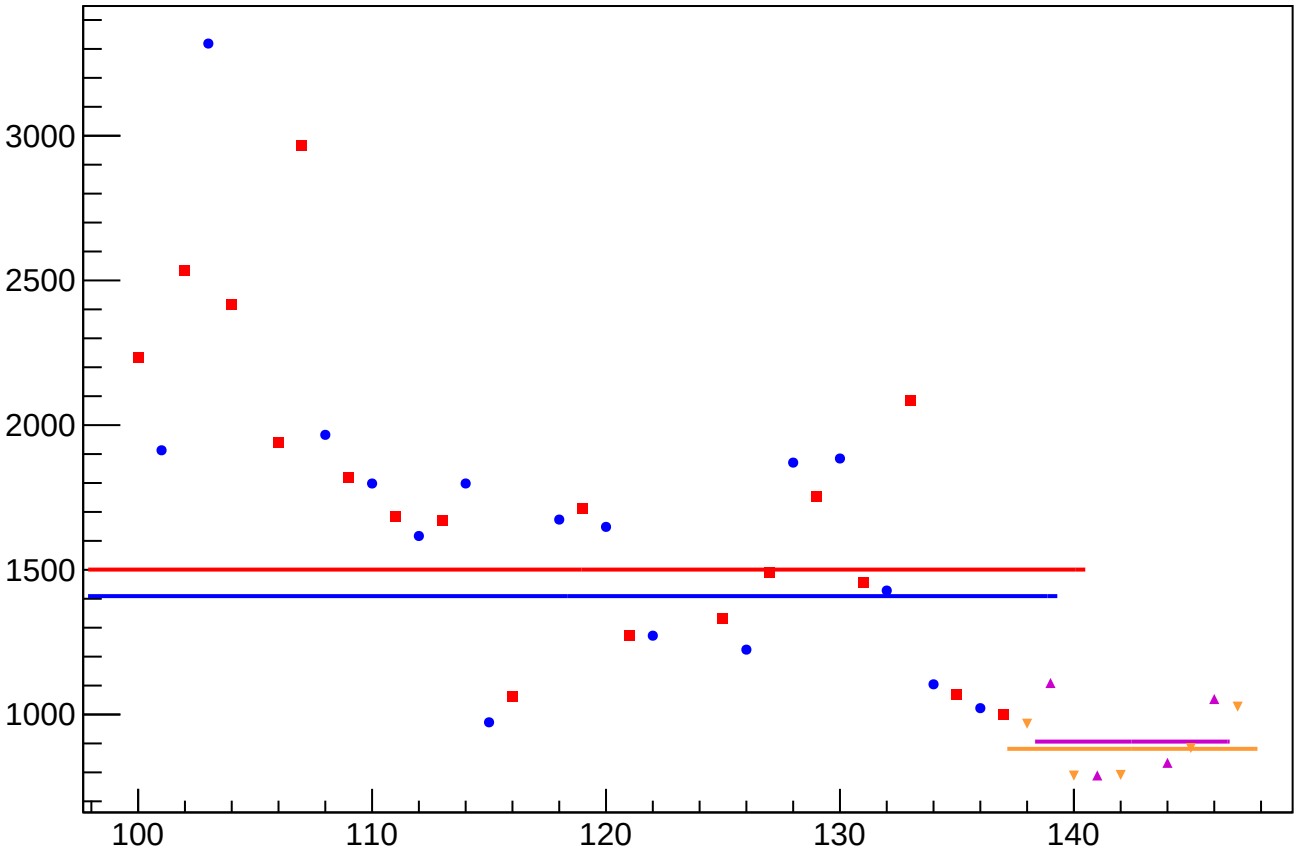
Left: -228.139+/-336.255 χ^2/NDF: 19.7/8

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -299.252+/-365.253 χ^2/NDF:24.9/19

Out: 21.014+/-362.994 χ^2/NDF:33.2/22

All: -138.126+/-257.471 χ^2/NDF: 58.5/42



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 881.406+/-0.328 χ^2/NDF:79887.4/4

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 906.364+/-0.346 χ^2/NDF:143669.2/3

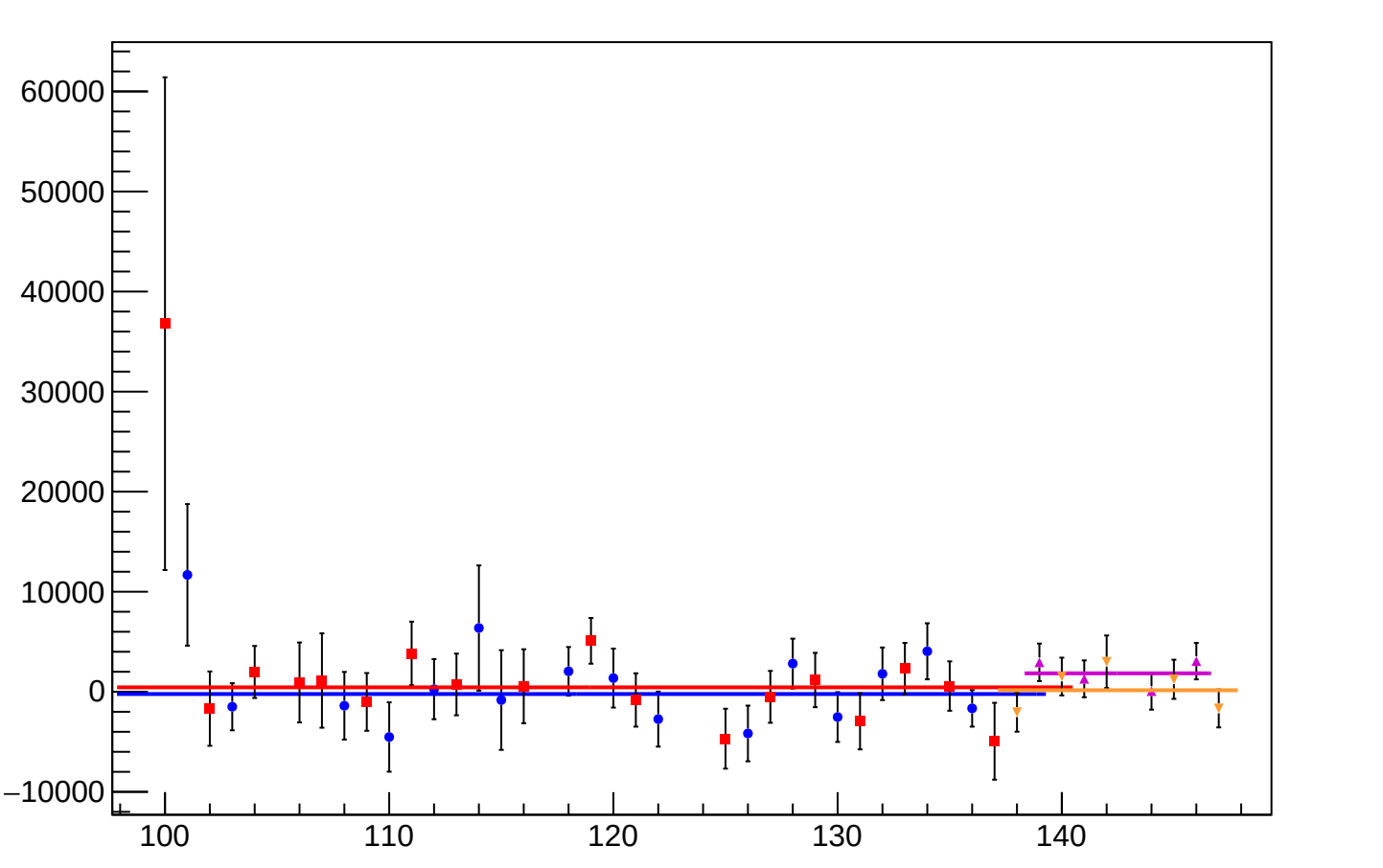
Left: 893.223+/-0.238 χ^2/NDF: 226303.5/8

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1128.249+/-0.258 χ^2/NDF:2245575.7/19

Out: 1120.732+/-0.257 χ^2/NDF:2491302.0/22

All: 1124.467+/-0.182 χ^2/NDF: 4737303.9/42



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 155.453+/-901.892 χ^2/NDF:4.2/4

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 1844.060+/-923.399 χ^2/NDF:1.8/3

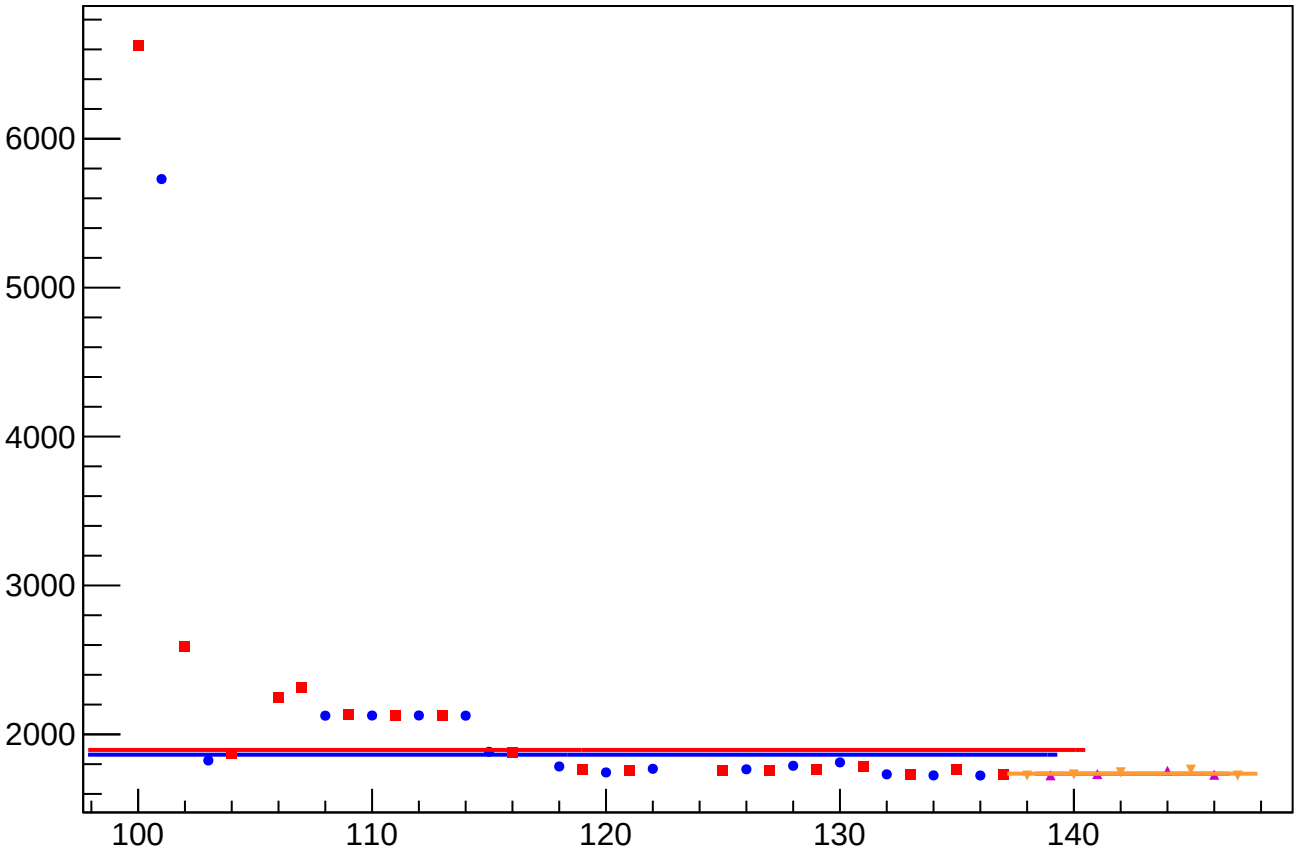
Left: 979.863+/-645.203 χ^2/NDF: 7.7/8

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 543.378+/-562.430 χ^2/NDF:20.8/19

Out: 332.401+/-559.373 χ^2/NDF:20.0/22

All: 437.314+/-396.613 χ^2/NDF: 40.9/42



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1735.904+/-0.638 χ^2/NDF:600.7/4

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

Left: 1735.917+/-0.456 χ^2/NDF: 931.9/8

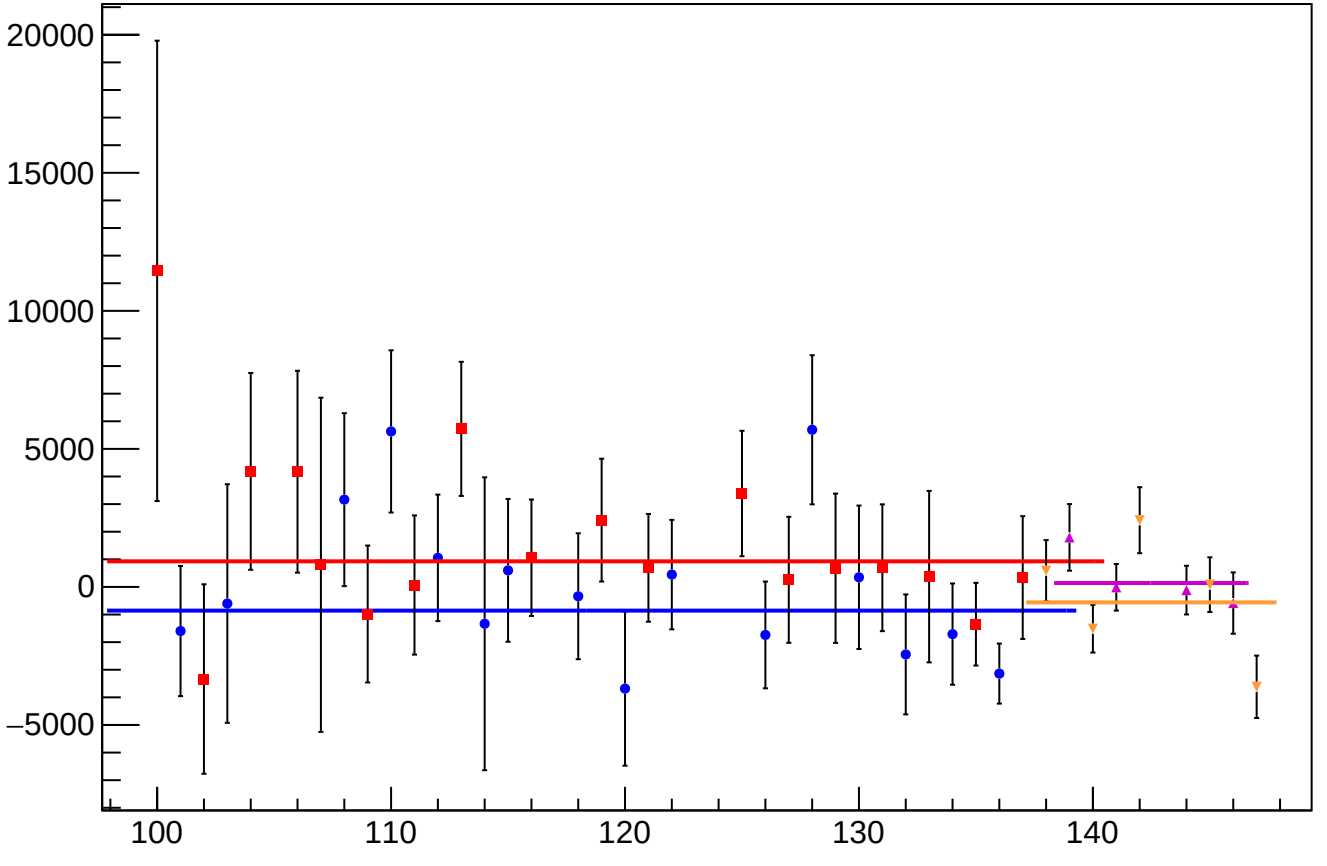
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1816.224+/-0.398 χ^2/NDF:699037.5/19

Out: 1834.102+/-0.396 χ^2/NDF:298304.4/22

All: 1825.212+/-0.280 χ^2/NDF: 998357.7/42

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: -560.629+/-463.398 χ^2/NDF:16.2/4

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 141.719+/-488.678 χ^2/NDF:2.4/3

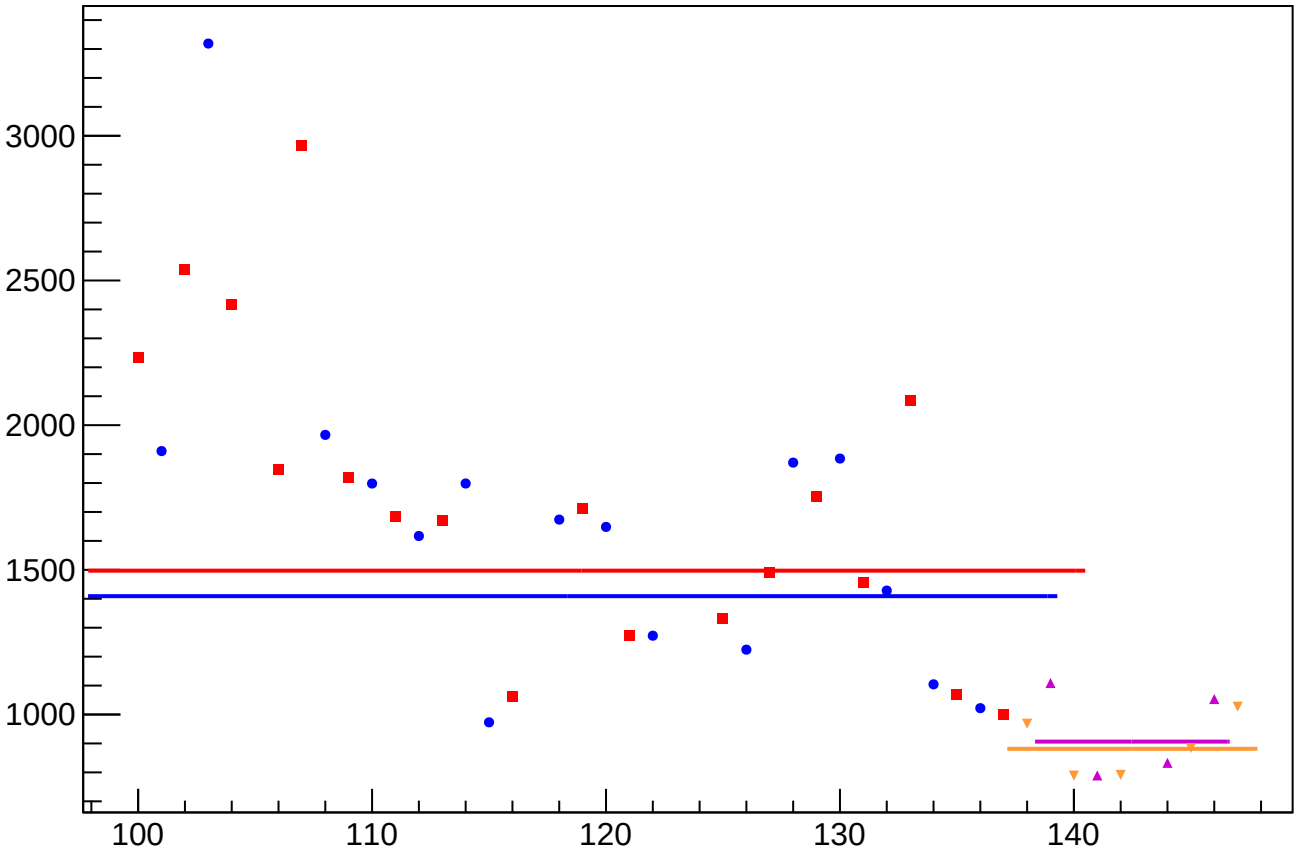
Left: -228.091+/-336.254 χ^2/NDF: 19.7/8

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -299.600+/-365.238 χ^2/NDF:24.9/19

Out: 13.139+/-363.216 χ^2/NDF:33.7/22

All: -142.362+/-257.544 χ^2/NDF: 59.0/42



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 881.412+/-0.328 χ^2/NDF:79868.4/4

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 906.355+/-0.346 χ^2/NDF:143676.9/3

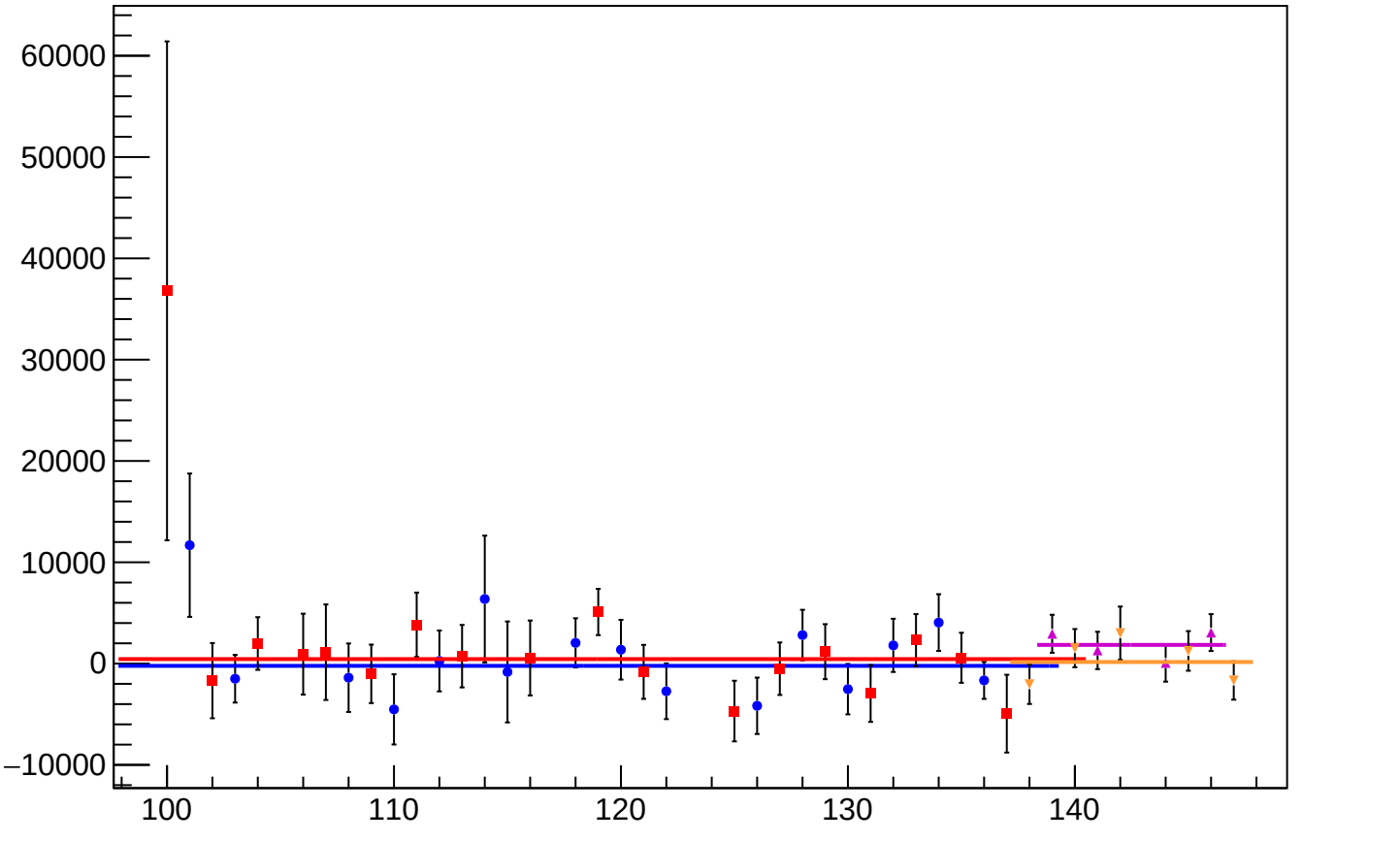
Left: 893.222+/-0.238 χ^2/NDF: 226289.0/8

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1128.227+/-0.258 χ^2/NDF:2244776.8/19

Out: 1118.867+/-0.257 χ^2/NDF:2459743.7/22

All: 1123.521+/-0.182 χ^2/NDF: 4705180.9/42



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 155.453+/-901.892 χ^2/NDF:4.2/4

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 1844.060+/-923.399 χ^2/NDF:1.8/3

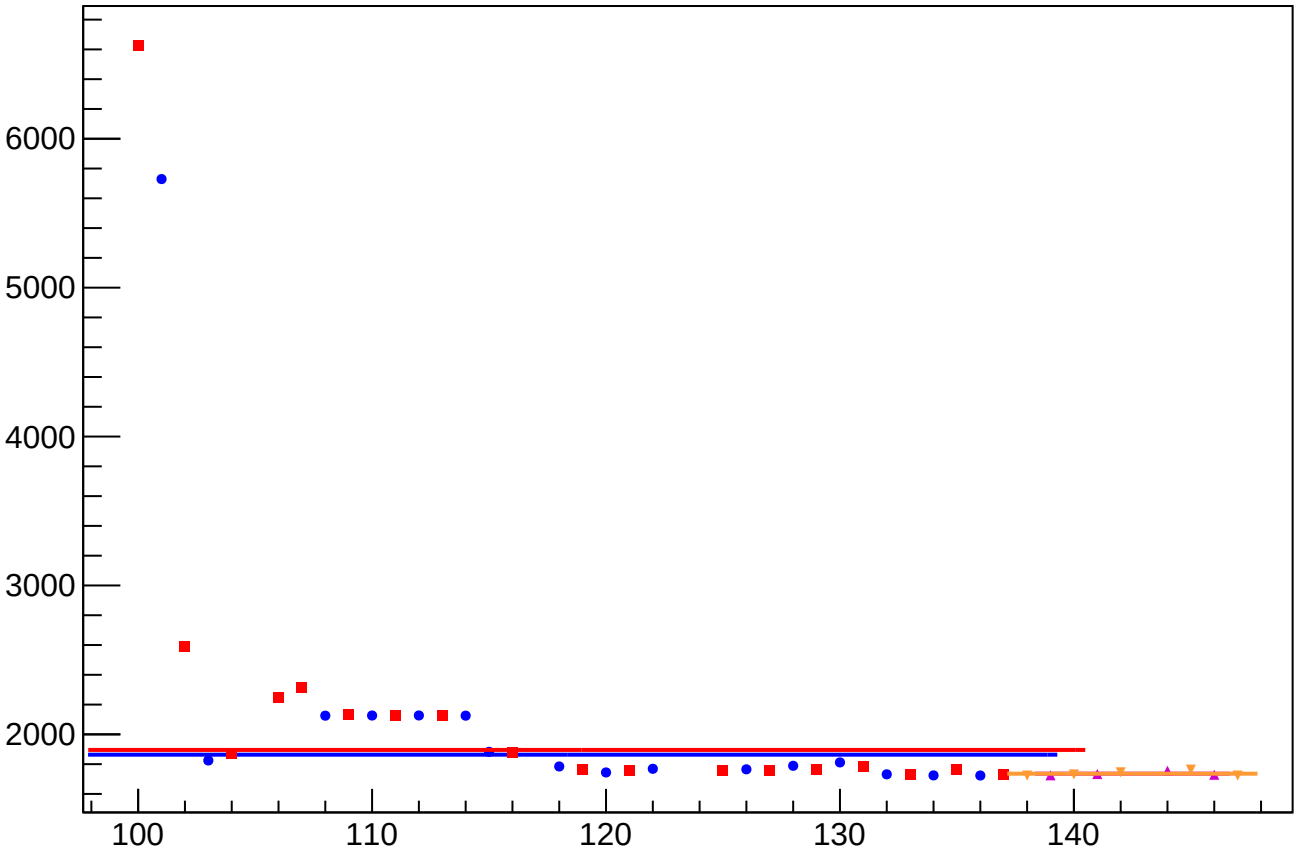
Left: 979.863+/-645.203 χ^2/NDF: 7.7/8

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 543.378+/-562.430 χ^2/NDF:20.8/19

Out: 332.401+/-559.373 χ^2/NDF:20.0/22

All: 437.314+/-396.613 χ^2/NDF: 40.9/42



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1735.904+/-0.638 χ^2/NDF:600.7/4

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.931+/-0.653 χ^2/NDF:331.2/3

Left: 1735.917+/-0.456 χ^2/NDF: 931.9/8

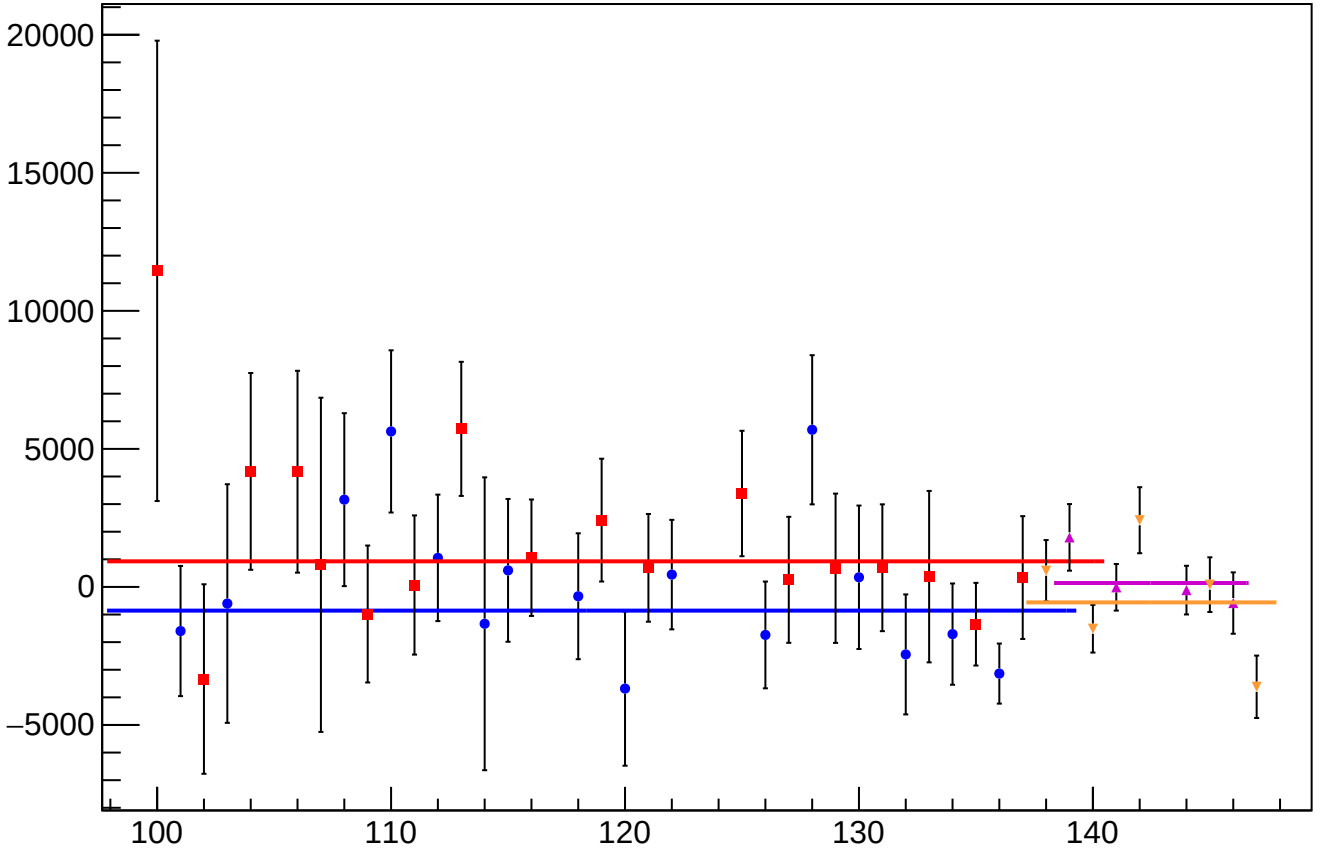
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1816.224+/-0.398 χ^2/NDF:699037.5/19

Out: 1834.102+/-0.396 χ^2/NDF:298304.4/22

All: 1825.212+/-0.280 χ^2/NDF: 998357.7/42

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: -560.629+/-463.398 χ^2/NDF:16.2/4

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 141.719+/-488.678 χ^2/NDF:2.4/3

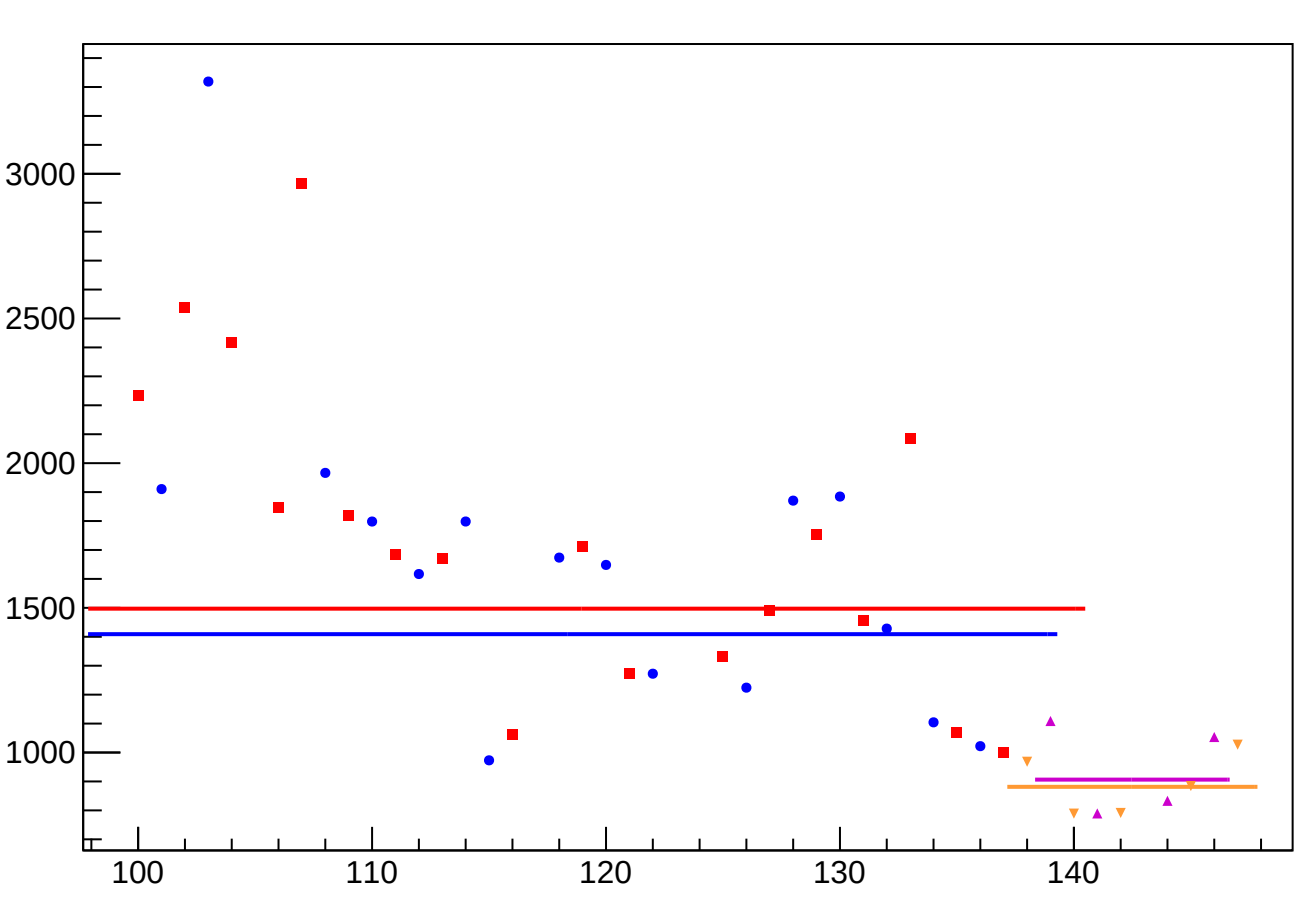
Left: -228.091+/-336.254 χ^2/NDF: 19.7/8

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -299.600+/-365.238 χ^2/NDF:24.9/19

Out: 13.139+/-363.216 χ^2/NDF:33.7/22

All: -142.362+/-257.544 χ^2/NDF: 59.0/42



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 881.412+/-0.328 χ^2/NDF:79868.4/4

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 906.355+/-0.346 χ^2/NDF:143676.9/3

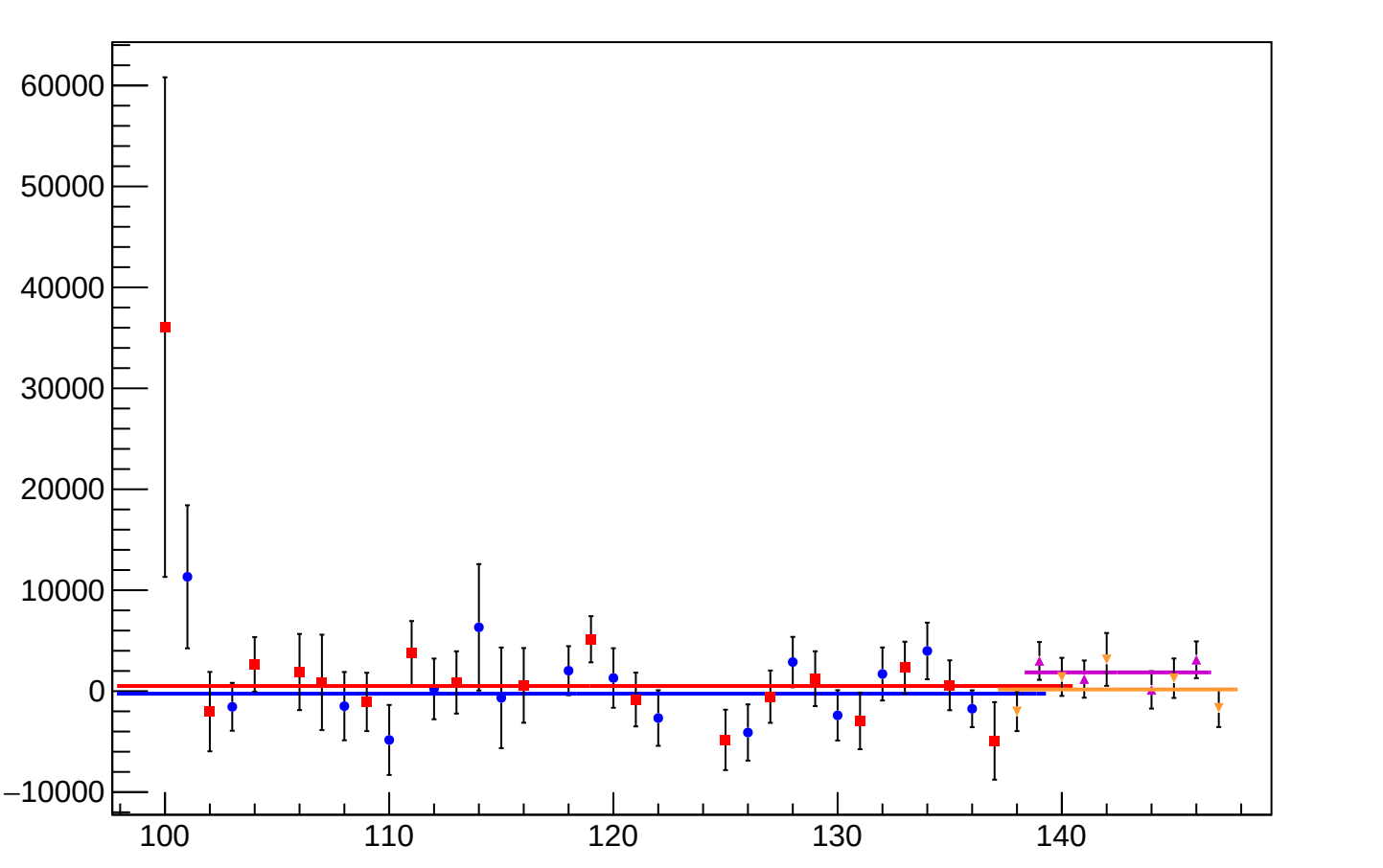
Left: 893.222+/-0.238 χ^2/NDF: 226289.0/8

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1128.227+/-0.258 χ^2/NDF:2244776.8/19

Out: 1118.867+/-0.257 χ^2/NDF:2459743.7/22

All: 1123.521+/-0.182 χ^2/NDF: 4705180.9/42



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 166.865+/-901.936 χ^2/NDF:4.2/4

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1857.713+/-923.850 χ^2/NDF:1.8/3

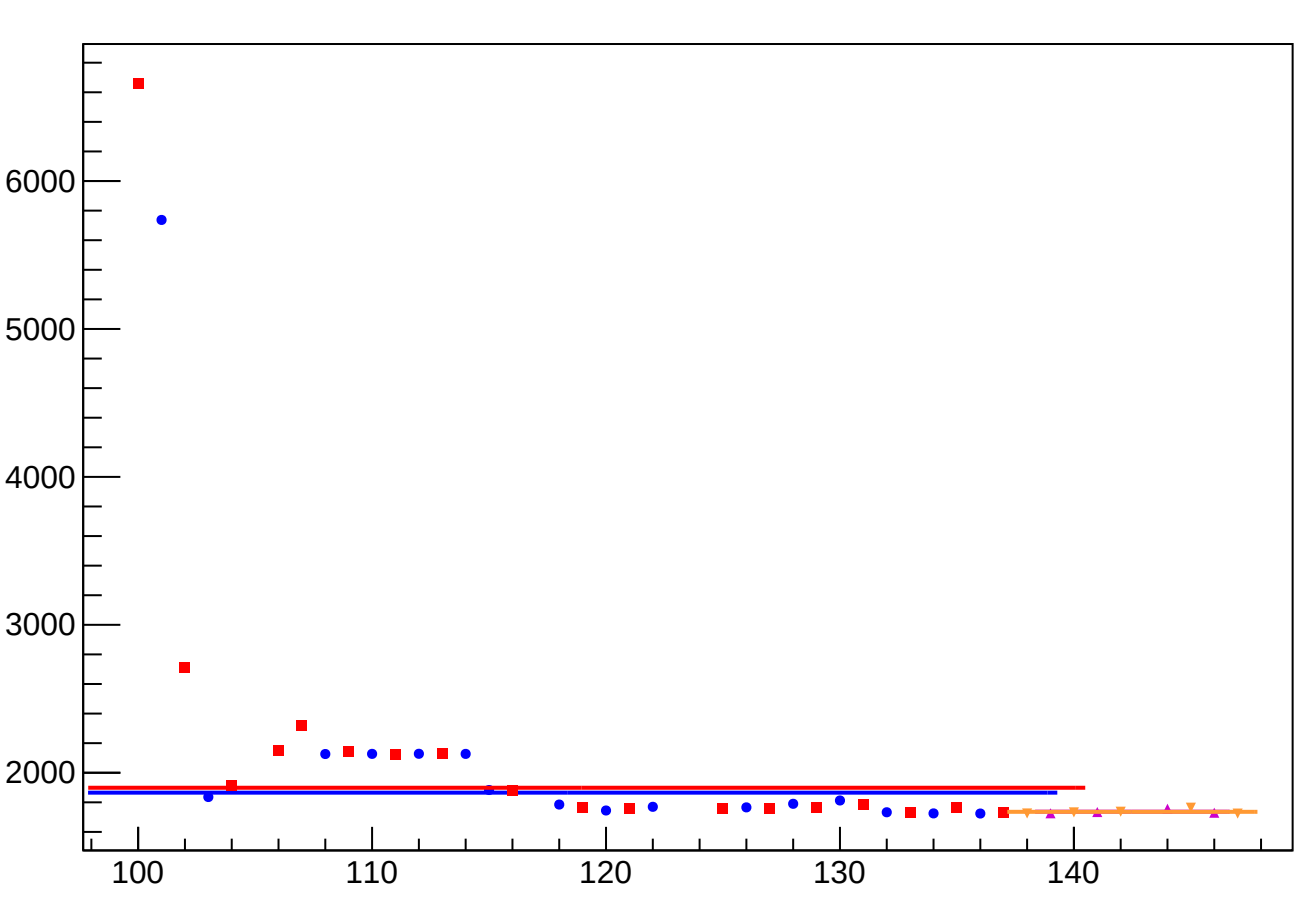
Left: 991.997+/-645.373 χ^2/NDF: 7.8/8

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 531.319+/-562.942 χ^2/NDF:20.8/19

Out: 377.551+/-560.513 χ^2/NDF:20.7/22

All: 454.103+/-397.198 χ^2/NDF: 41.5/42



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1735.860+/-0.638 χ^2/NDF:560.3/4

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.781+/-0.653 χ^2/NDF:330.7/3

Left: 1736.310+/-0.456 χ^2/NDF: 892.0/8

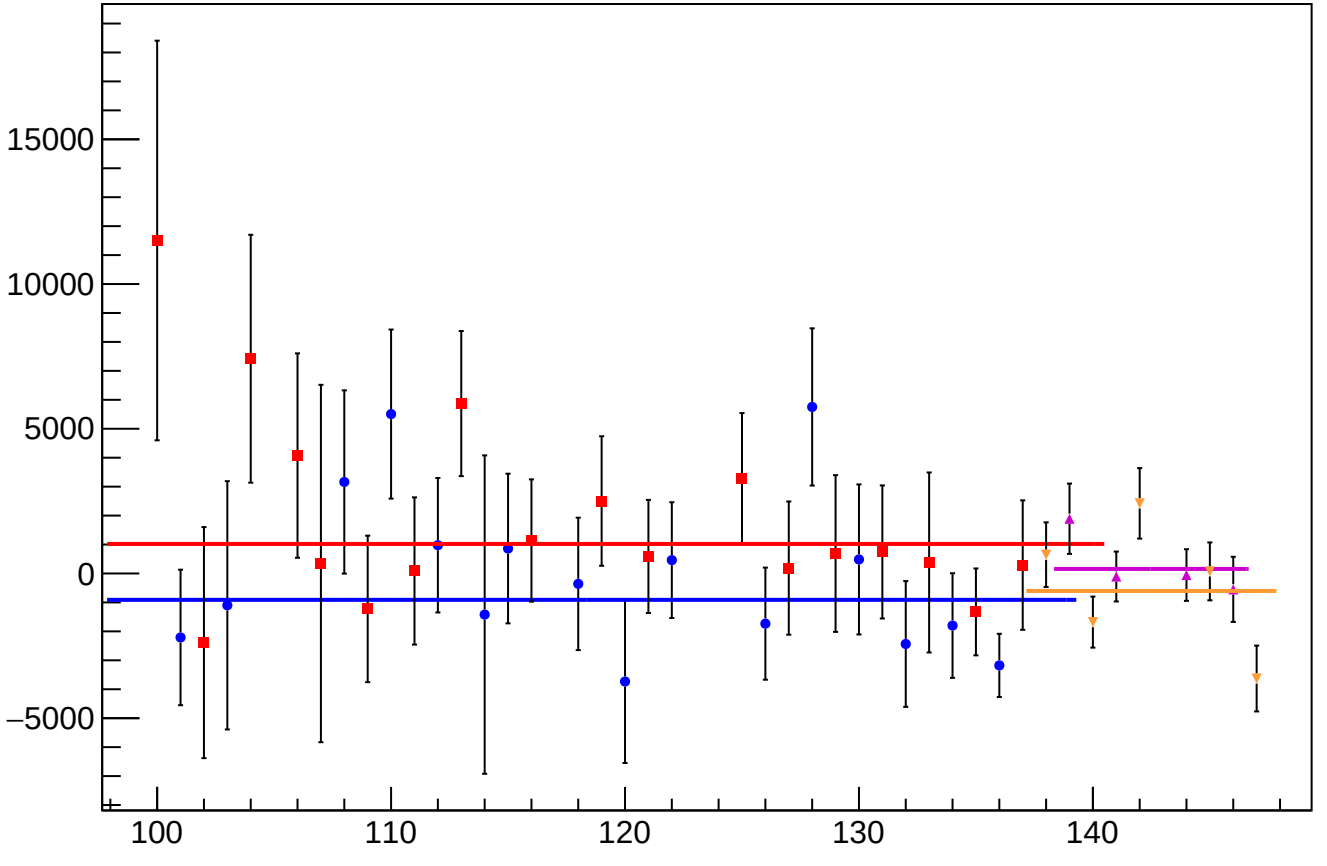
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1817.669+/-0.398 χ^2/NDF:699706.8/19

Out: 1835.751+/-0.396 χ^2/NDF:309637.5/22

All: 1826.749+/-0.281 χ^2/NDF: 1010380.5/42

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: -604.491+/-469.659 χ^2/NDF:16.4/4

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 157.071+/-495.590 χ^2/NDF:2.6/3

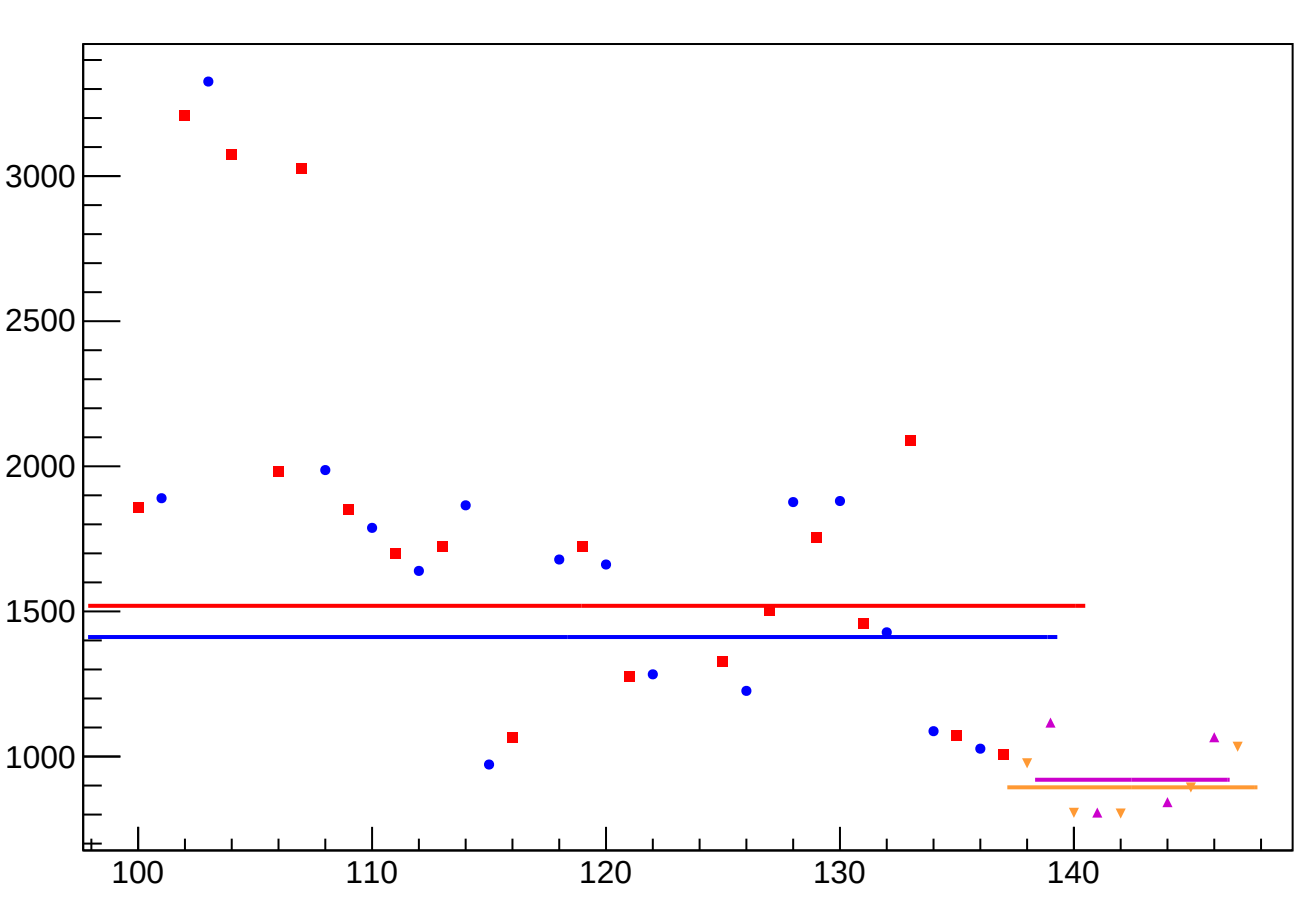
Left: -244.154+/-340.898 χ^2/NDF: 20.3/8

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -320.712+/-368.423 χ^2/NDF:25.6/19

Out: 23.577+/-367.838 χ^2/NDF:36.0/22

All: -148.294+/-260.307 χ^2/NDF: 62.1/42



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 893.858+/-0.332 χ^2/NDF:72043.7/4

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 920.001+/-0.350 χ^2/NDF:135914.8/3

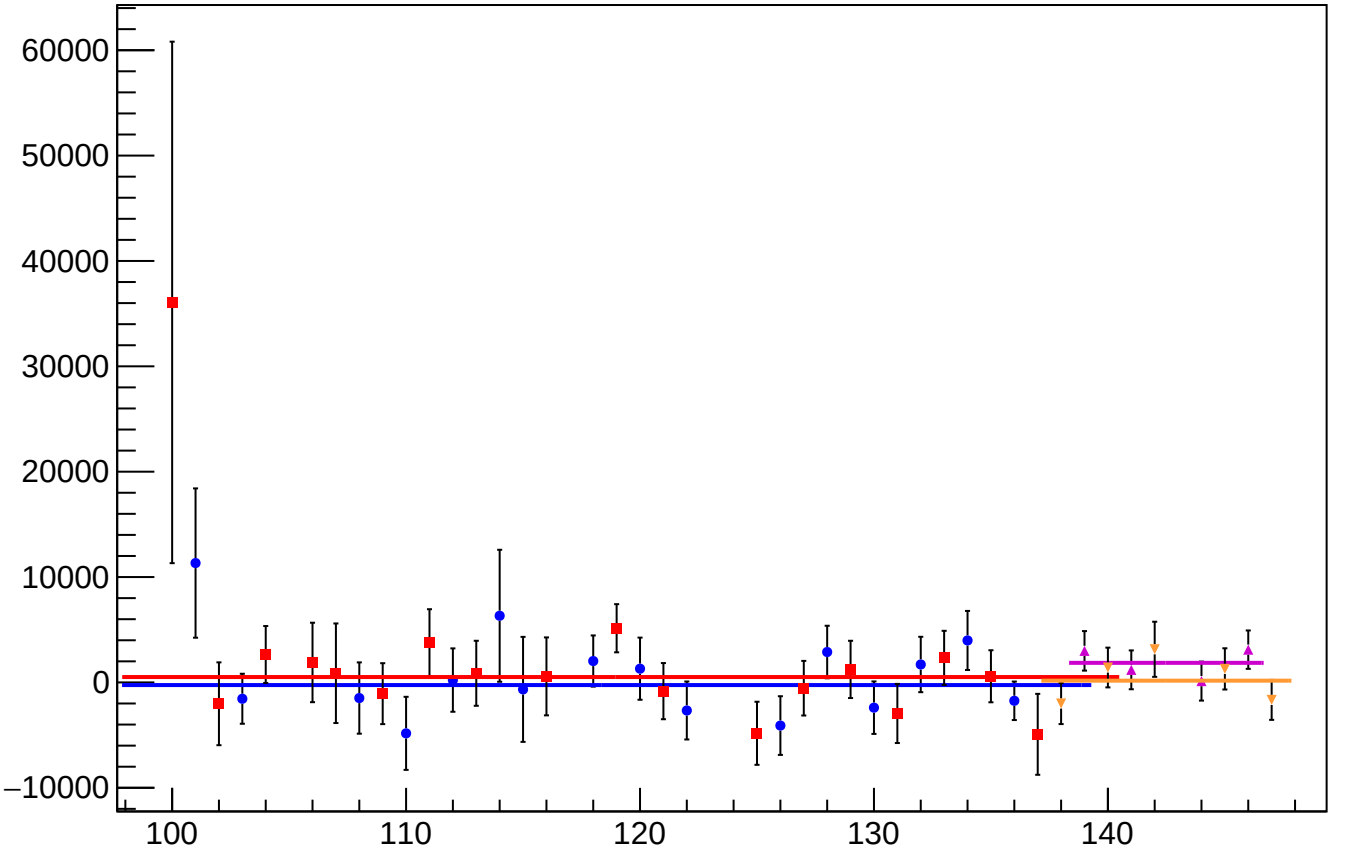
Left: 906.228+/-0.241 χ^2/NDF: 210890.4/8

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1139.985+/-0.261 χ^2/NDF:2194543.1/19

Out: 1135.653+/-0.260 χ^2/NDF:2803390.6/22

All: 1137.815+/-0.184 χ^2/NDF: 4998072.2/42



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 166.863+/-901.936 χ^2/NDF:4.2/4

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 1857.715+/-923.850 χ^2/NDF:1.8/3

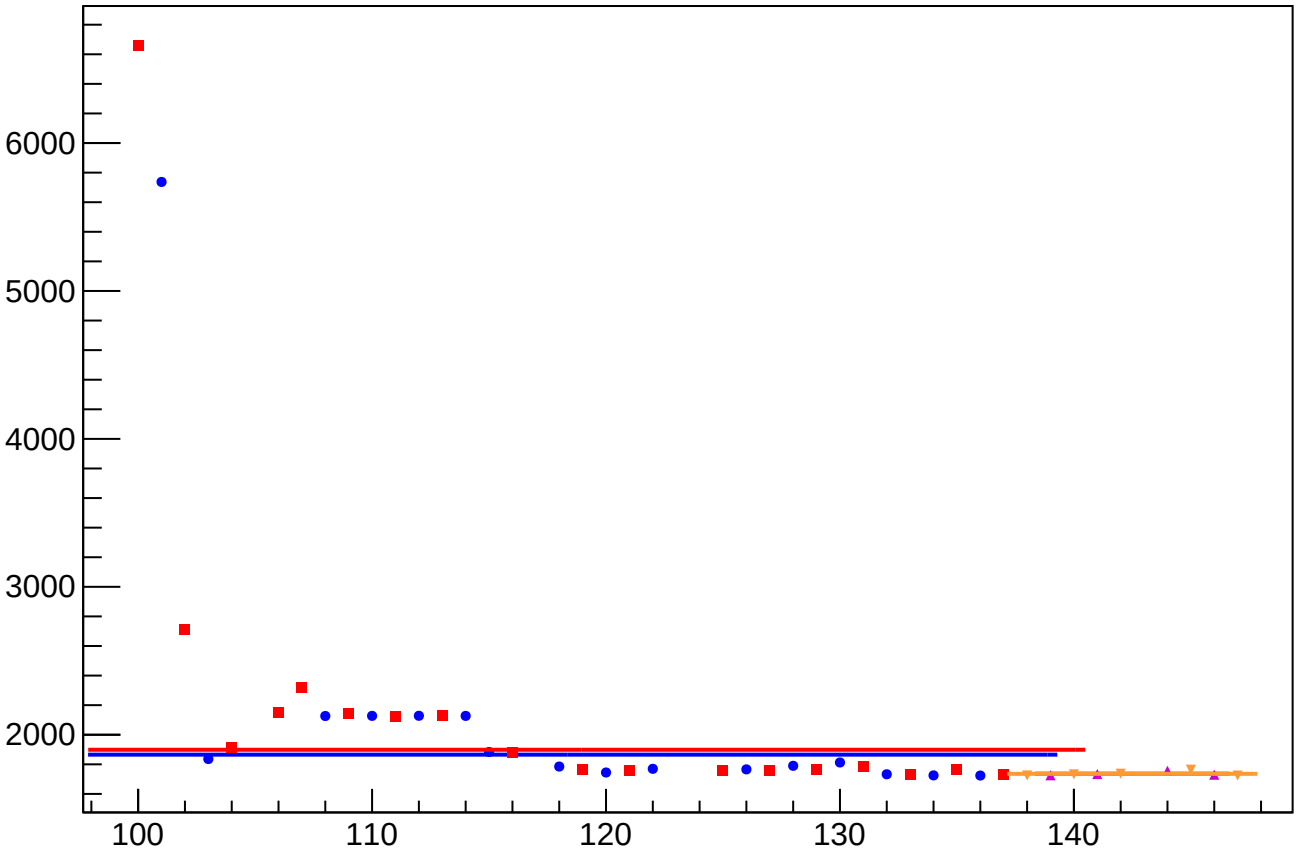
Left: 991.997+/-645.373 χ^2/NDF: 7.8/8

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 531.321+/-562.942 χ^2/NDF:20.8/19

Out: 377.550+/-560.513 χ^2/NDF:20.7/22

All: 454.103+/-397.198 χ^2/NDF: 41.5/42



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1735.860+/-0.638 χ^2/NDF:560.3/4

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1736.781+/-0.653 χ^2/NDF:330.7/3

Left: 1736.310+/-0.456 χ^2/NDF: 892.0/8

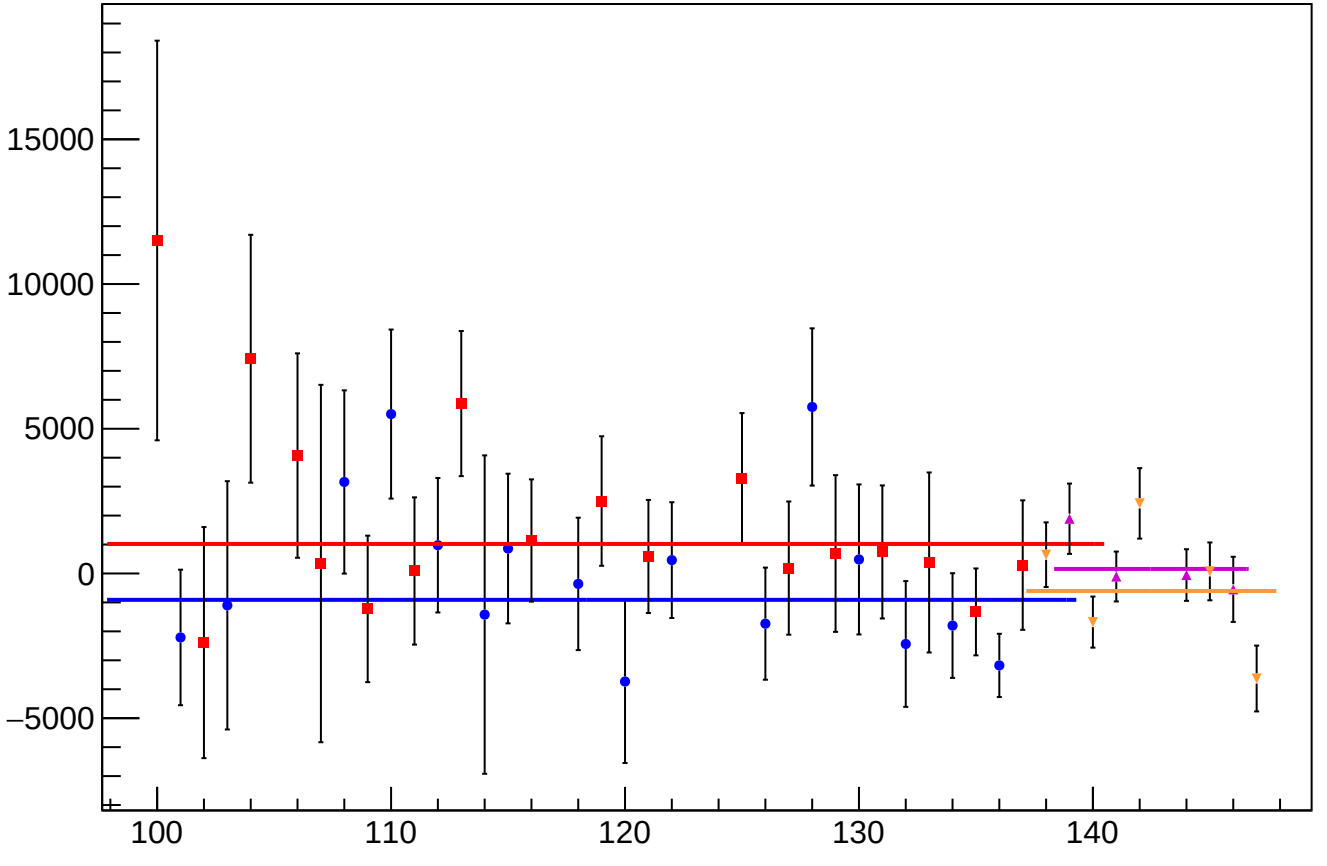
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1817.669+/-0.398 χ^2/NDF:699706.8/19

Out: 1835.751+/-0.396 χ^2/NDF:309637.3/22

All: 1826.749+/-0.281 χ^2/NDF: 1010380.2/42

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -604.492+/-469.658 χ^2/NDF:16.4/4

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 157.071+/-495.590 χ^2/NDF:2.6/3

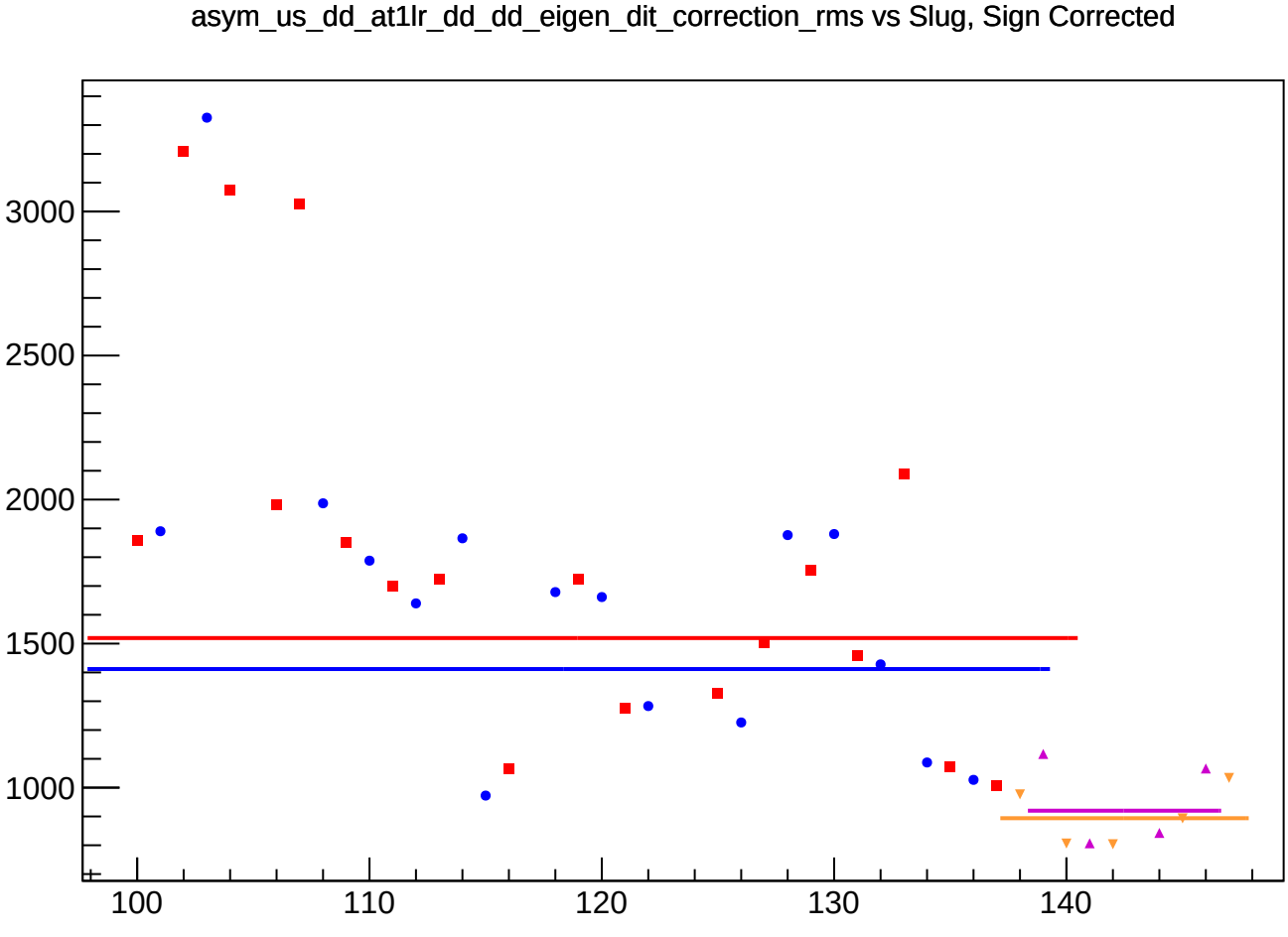
Left: -244.155+/-340.897 χ^2/NDF: 20.3/8

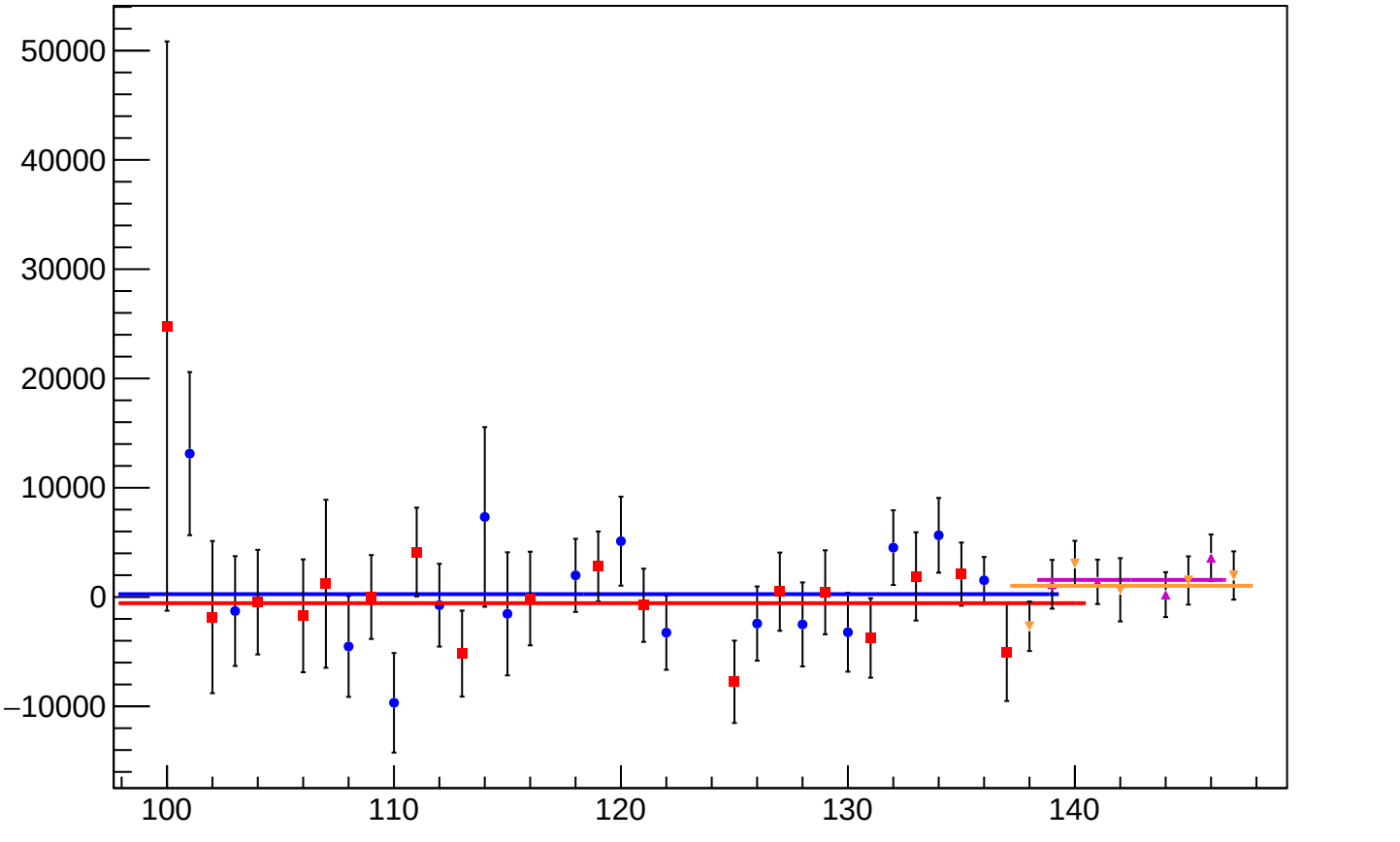
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -320.711+/-368.423 χ^2/NDF:25.6/19

Out: 23.576+/-367.837 χ^2/NDF:36.0/22

All: -148.294+/-260.307 χ^2/NDF: 62.1/42


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 893.857+/-0.332 χ²/NDF:72046.3/4
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 919.999+/-0.350 χ²/NDF:135918.3/3
Left: 906.226+/-0.241 χ²/NDF: 210896.6/8
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1139.983+/-0.261 χ²/NDF:2194542.4/19
Out: 1135.651+/-0.260 χ²/NDF:2803398.6/22
All: 1137.814+/-0.184 χ²/NDF: 4998079.4/42



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1026.042+/-1022.599 χ^2/NDF:3.9/4

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 1568.887+/-1054.886 χ^2/NDF:1.4/3

Left: 1289.030+/-734.236 χ^2/NDF: 5.4/8

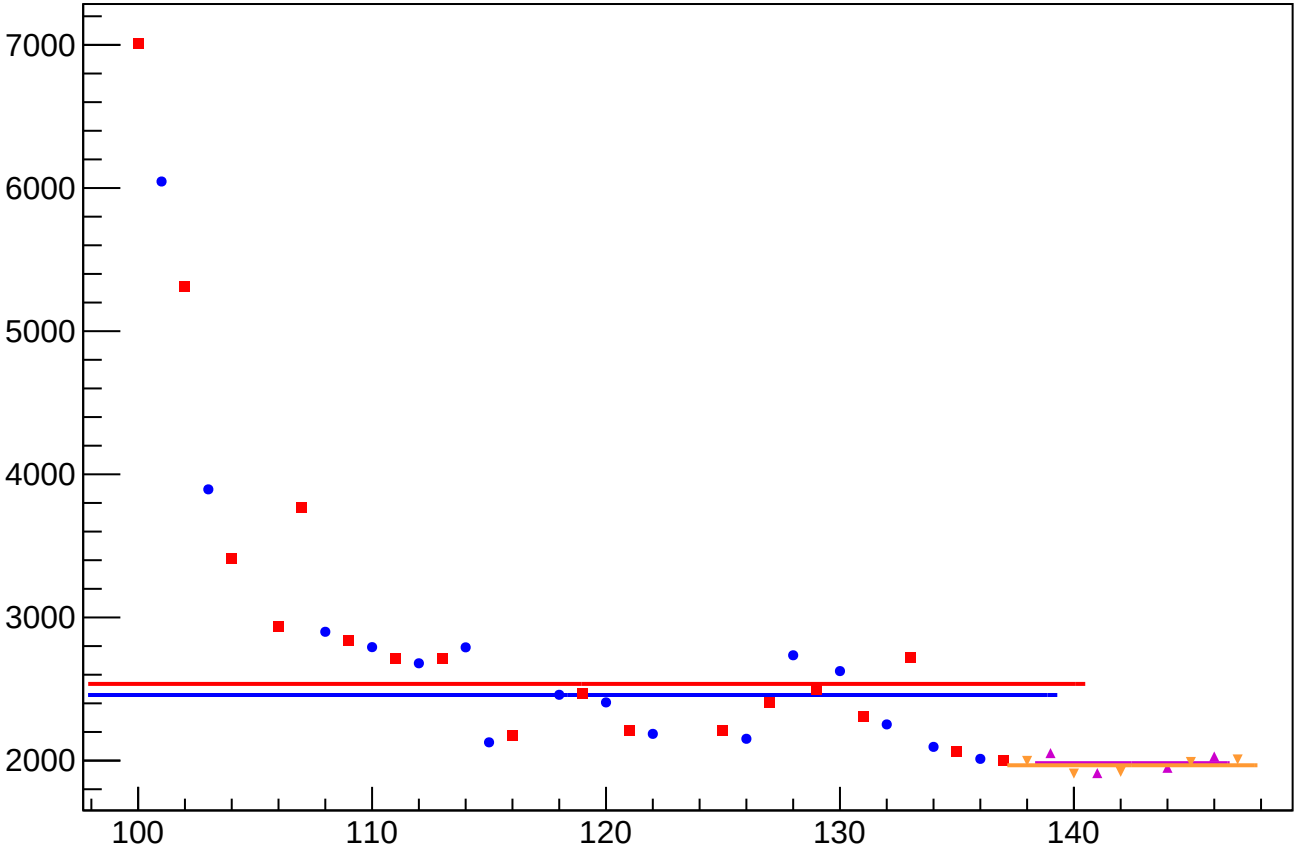
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 843.111+/-702.619 χ^2/NDF:21.3/19

Out: 184.901+/-701.045 χ^2/NDF:16.9/22

All: 513.268+/-496.269 χ^2/NDF: 38.6/42

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: 1967.403+/-0.723 χ^2/NDF:3316.8/4

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1982.082+/-0.746 χ^2/NDF:5759.9/3

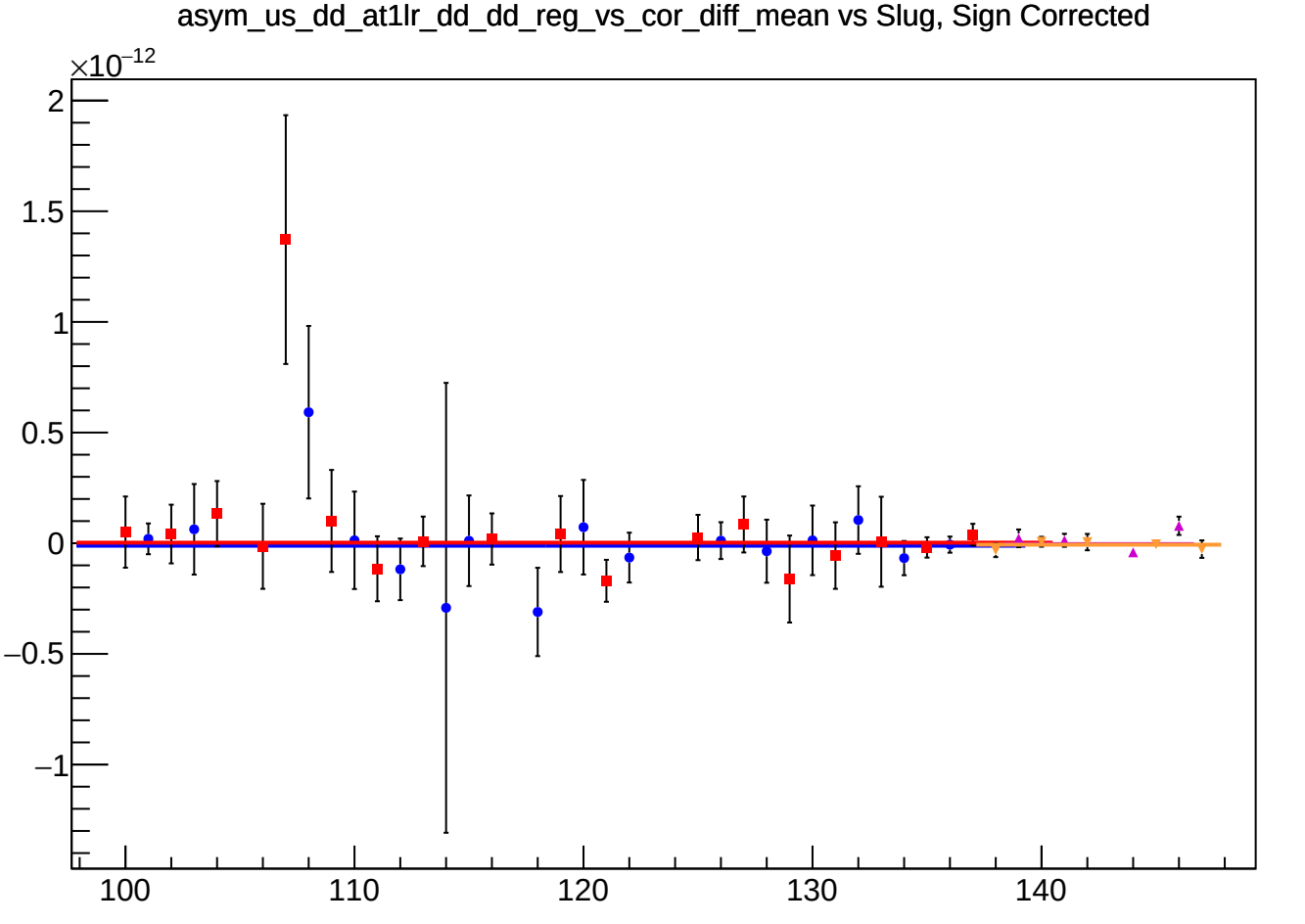
Left: 1974.515+/-0.519 χ^2/NDF: 9276.4/8

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2247.049+/-0.497 χ^2/NDF:1065449.6/19

Out: 2268.656+/-0.496 χ^2/NDF:1004135.7/22

All: 2257.877+/-0.351 χ^2/NDF: 2070533.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/3

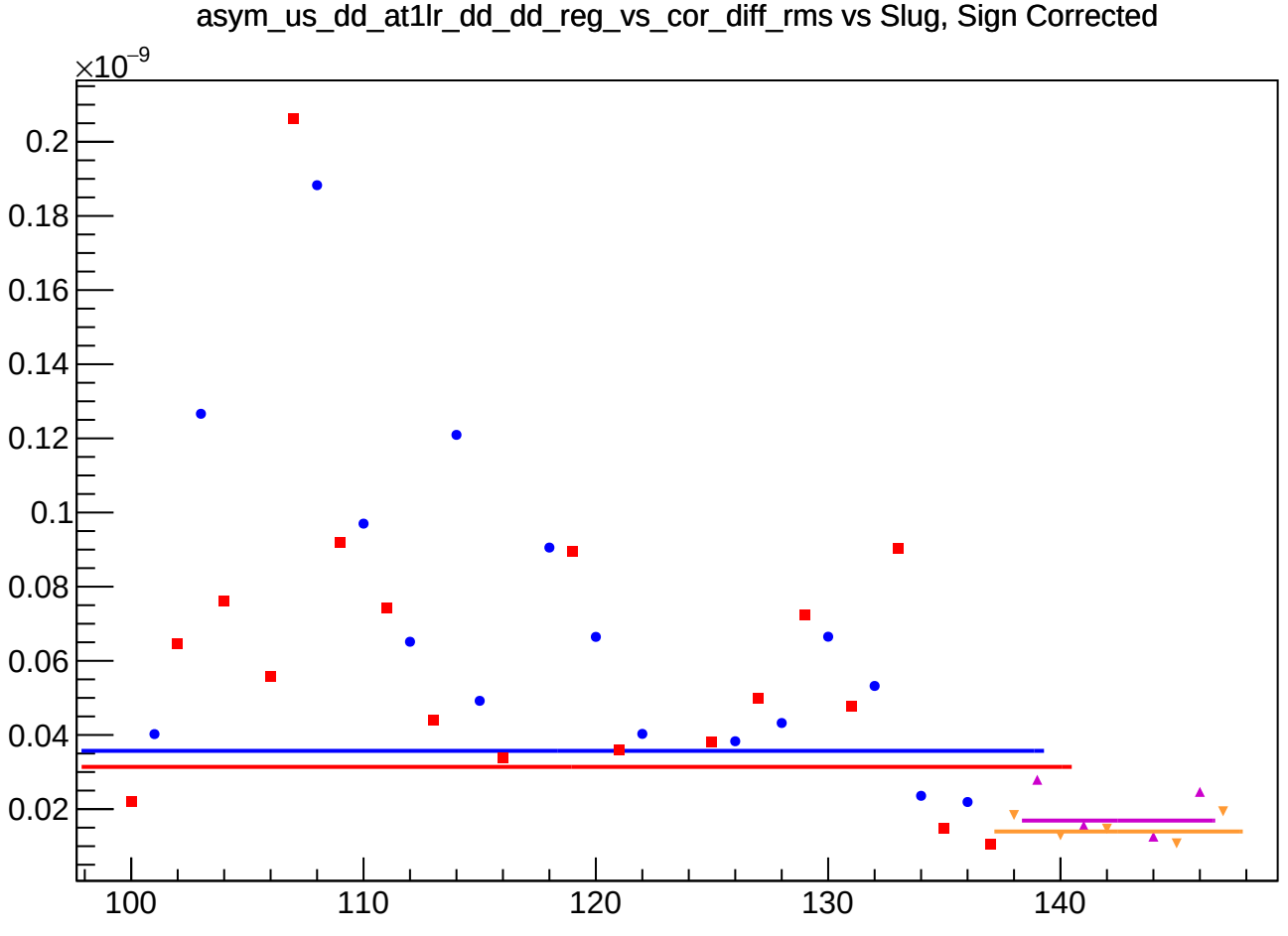
Left: -0.000+/-0.000 χ^2/NDF: 9.3/8

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

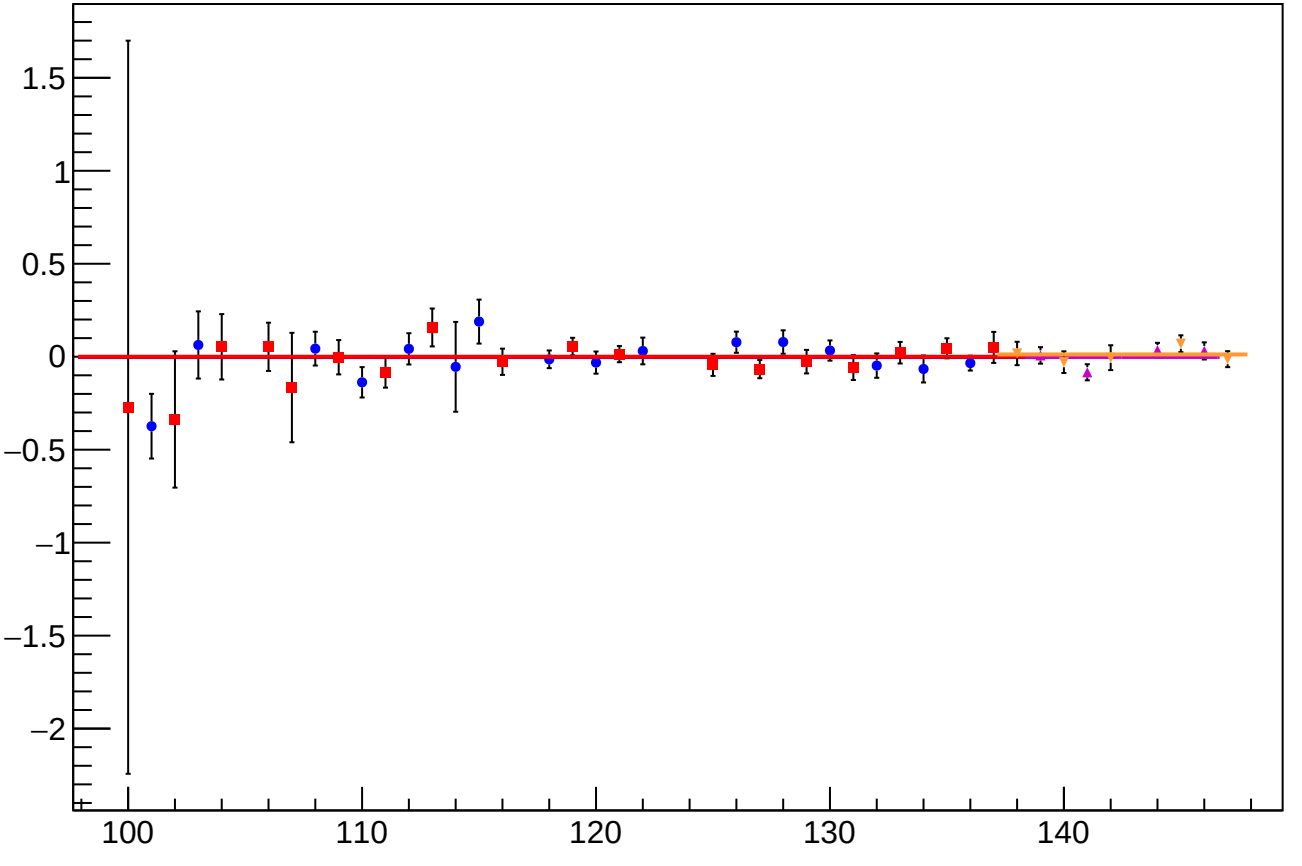
In: -0.000+/-0.000 χ^2/NDF:15.3/19

Out: -0.000+/-0.000 χ^2/NDF:14.7/22

All: -0.000+/-0.000 χ^2/NDF: 30.0/42


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:124800.3/4
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:311539.3/3
Left: 0.000+/-0.000 χ²/NDF: 483003.1/8
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:2796974.2/19
Out: 0.000+/-0.000 χ²/NDF:3002824.5/22
All: 0.000+/-0.000 χ²/NDF: 5929181.4/42

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: 0.012+/-0.024 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.021 χ^2/NDF:5.0/3

Left: 0.005+/-0.016 χ^2/NDF: 7.8/8

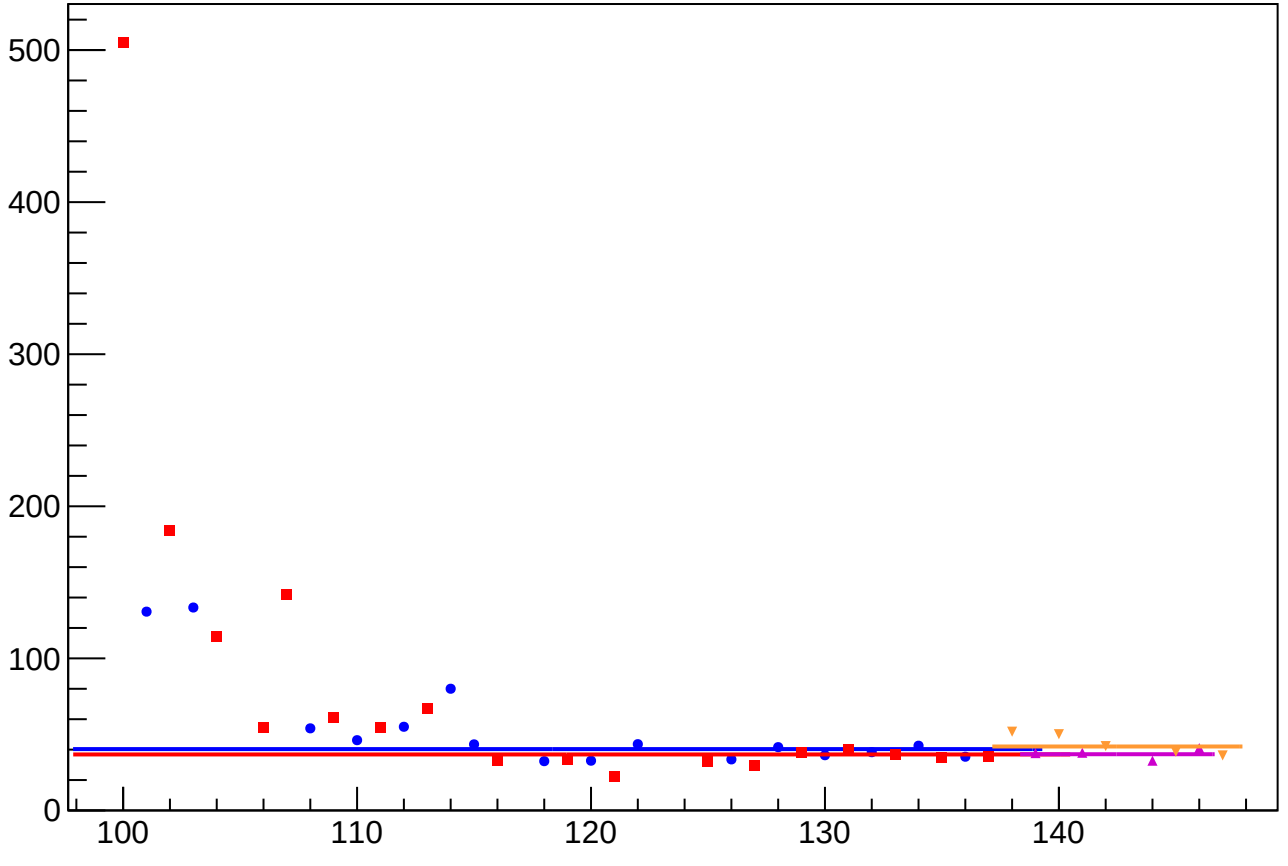
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.013 χ^2/NDF:22.2/19

Out: 0.004+/-0.014 χ^2/NDF:13.7/22

All: 0.001+/-0.010 χ^2/NDF: 35.9/42

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: 42.060+/-0.017 χ^2/NDF:135668.9/4

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 36.979+/-0.015 χ^2/NDF:40816.5/3

Left: 39.284+/-0.011 χ^2/NDF: 227273.4/8

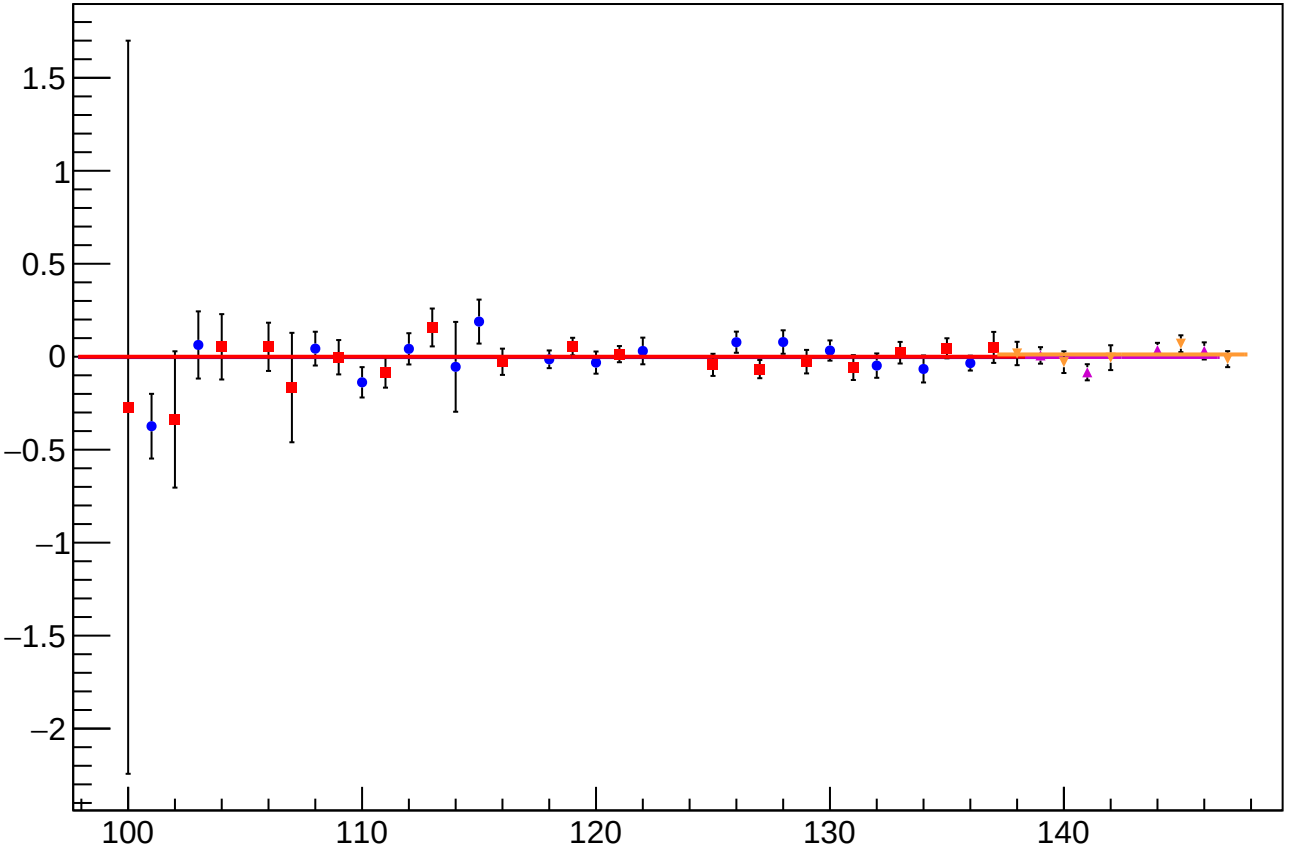
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.045+/-0.009 χ^2/NDF:1481165.3/19

Out: 38.570+/-0.010 χ^2/NDF:2038586.2/22

All: 38.812+/-0.007 χ^2/NDF: 3520989.1/42

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: 0.012+/-0.024 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.021 χ^2/NDF:5.0/3

Left: 0.005+/-0.016 χ^2/NDF: 7.8/8

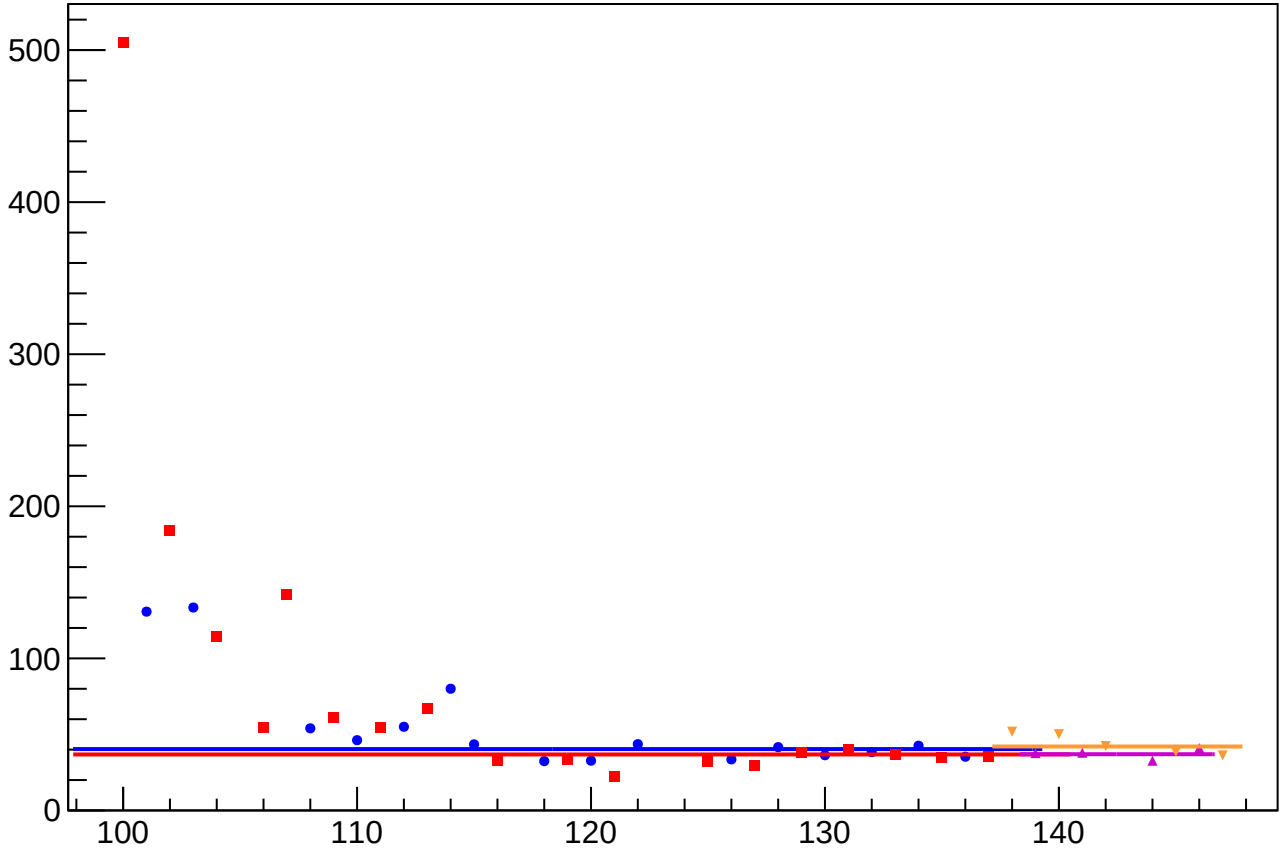
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.013 χ^2/NDF:22.2/19

Out: 0.004+/-0.014 χ^2/NDF:13.7/22

All: 0.001+/-0.010 χ^2/NDF: 35.9/42

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: 42.060+/-0.017 χ^2/NDF:135668.9/4

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 36.979+/-0.015 χ^2/NDF:40816.5/3

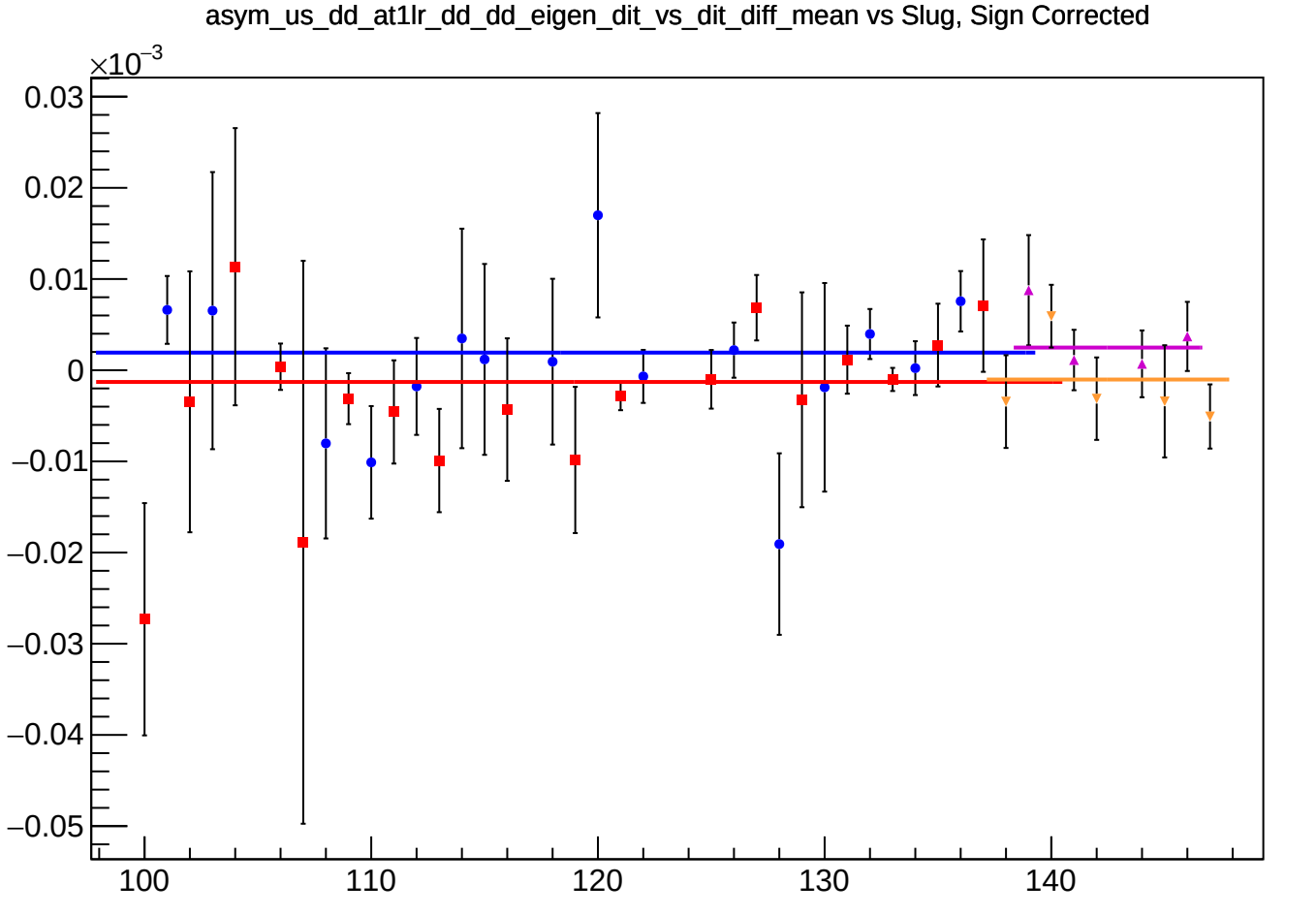
Left: 39.284+/-0.011 χ^2/NDF: 227273.4/8

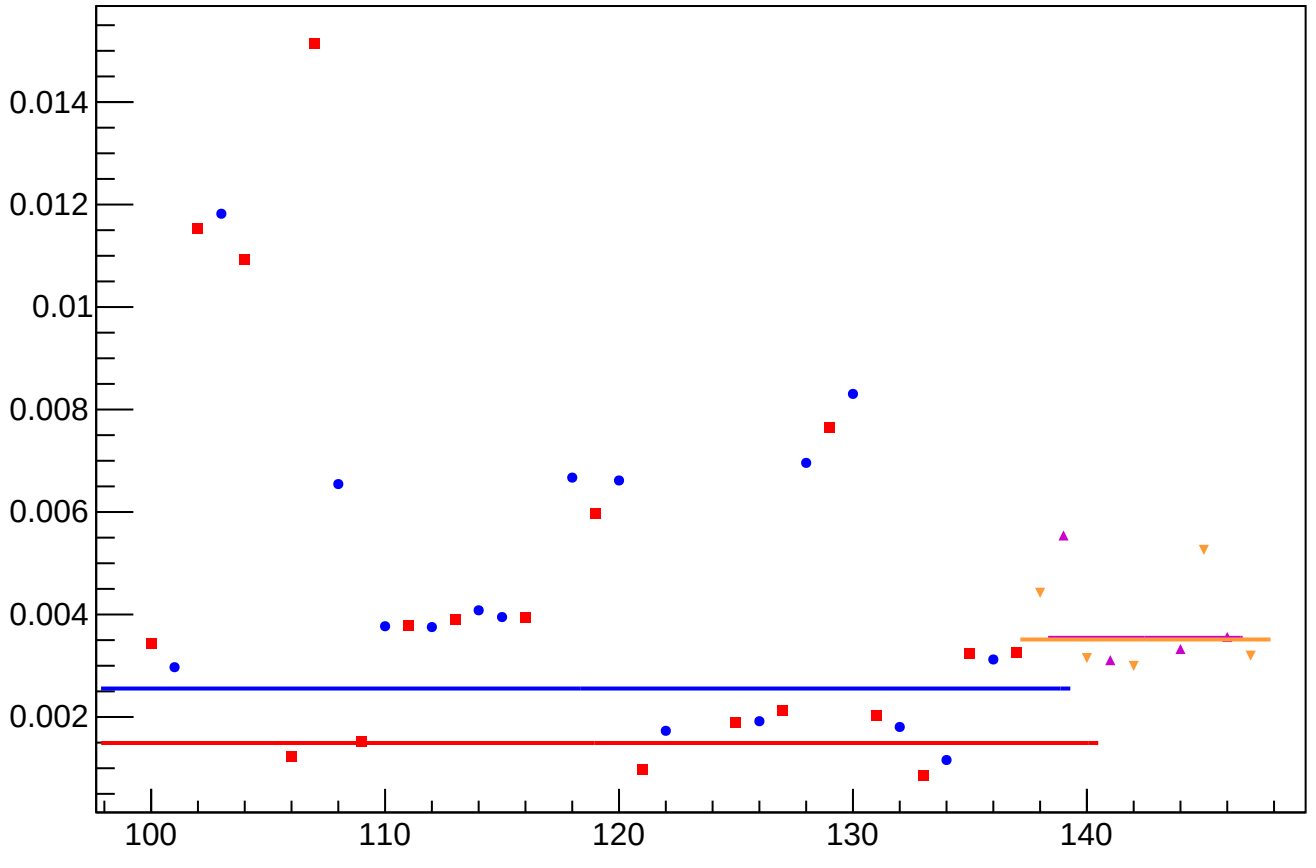
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.045+/-0.009 χ^2/NDF:1481165.3/19

Out: 38.570+/-0.010 χ^2/NDF:2038586.2/22

All: 38.812+/-0.007 χ^2/NDF: 3520989.1/42


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
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:6.0/4
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:1.6/3
Left: 0.000+/-0.000 χ²/NDF: 9.2/8
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:19.5/19
Out: -0.000+/-0.000 χ²/NDF:24.9/22
All: -0.000+/-0.000 χ²/NDF: 52.0/42



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:290146.6/4

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:260034.8/3

Left: 0.004+/-0.000 χ^2/NDF: 550463.6/8

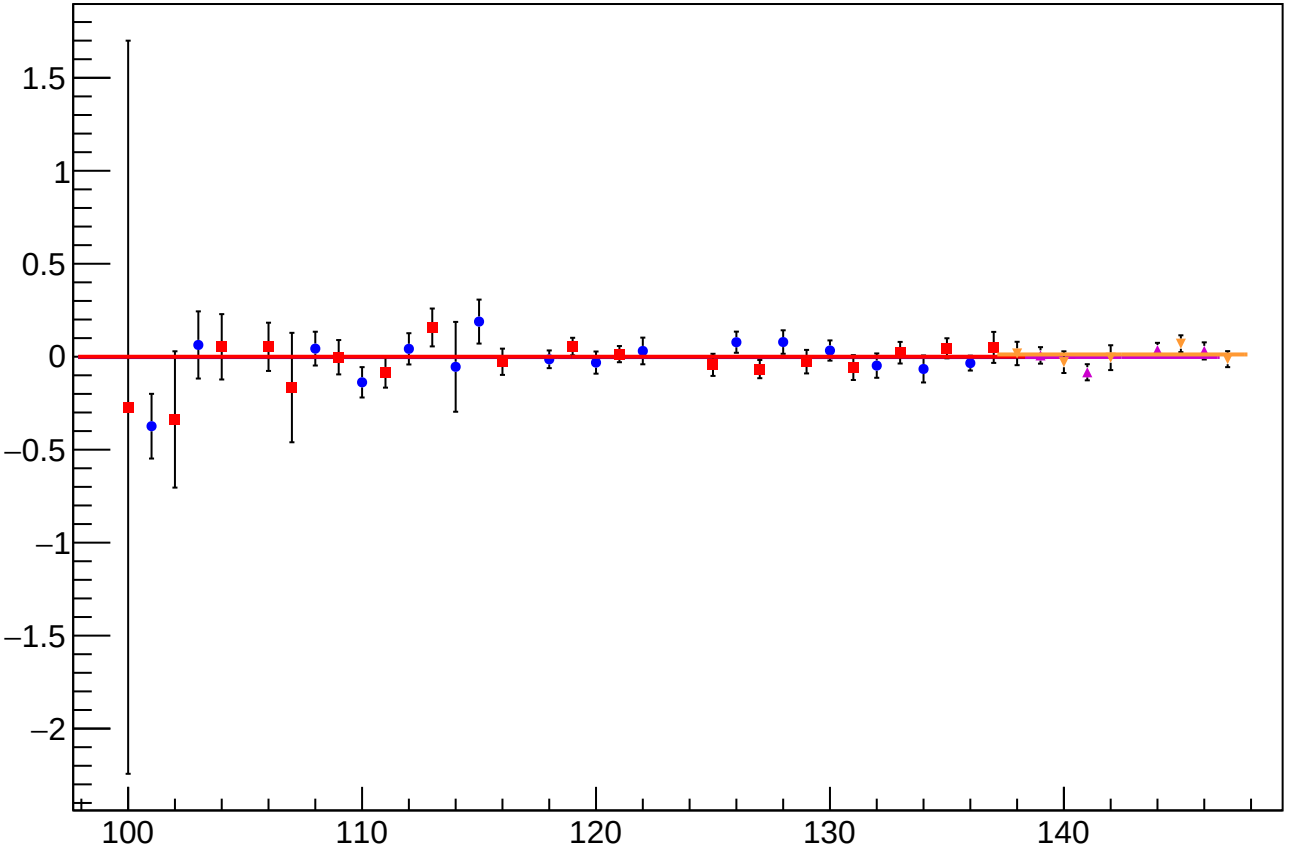
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4425103.3/19

Out: 0.002+/-0.000 χ^2/NDF:7819350.4/22

All: 0.002+/-0.000 χ^2/NDF: 13726150.7/42

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: 0.012+/-0.024 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.021 χ^2/NDF:5.0/3

Left: 0.005+/-0.016 χ^2/NDF: 7.8/8

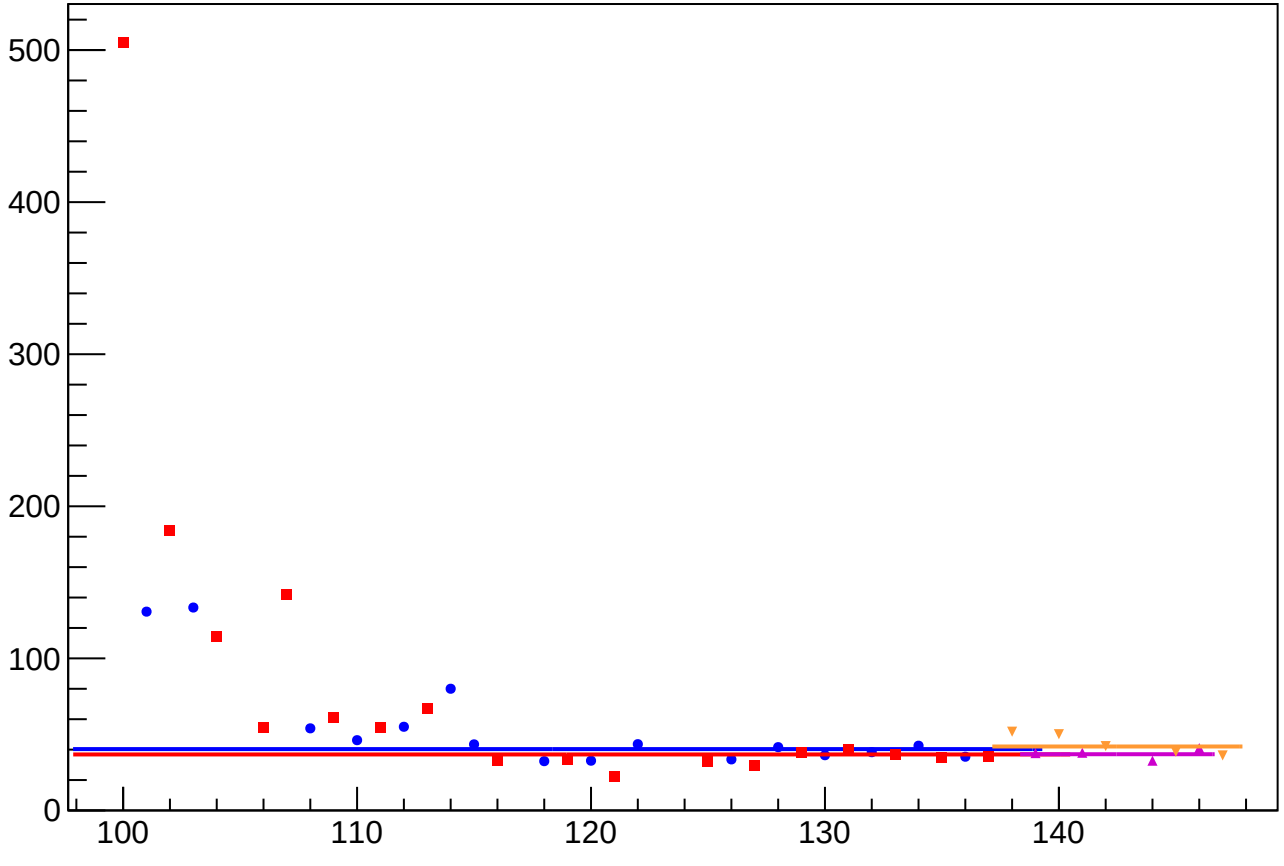
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.013 χ^2/NDF:22.2/19

Out: 0.004+/-0.014 χ^2/NDF:13.7/22

All: 0.001+/-0.010 χ^2/NDF: 35.9/42

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: 42.059+/-0.017 χ^2/NDF:135682.6/4

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 36.979+/-0.015 χ^2/NDF:40811.7/3

Left: 39.284+/-0.011 χ^2/NDF: 227276.0/8

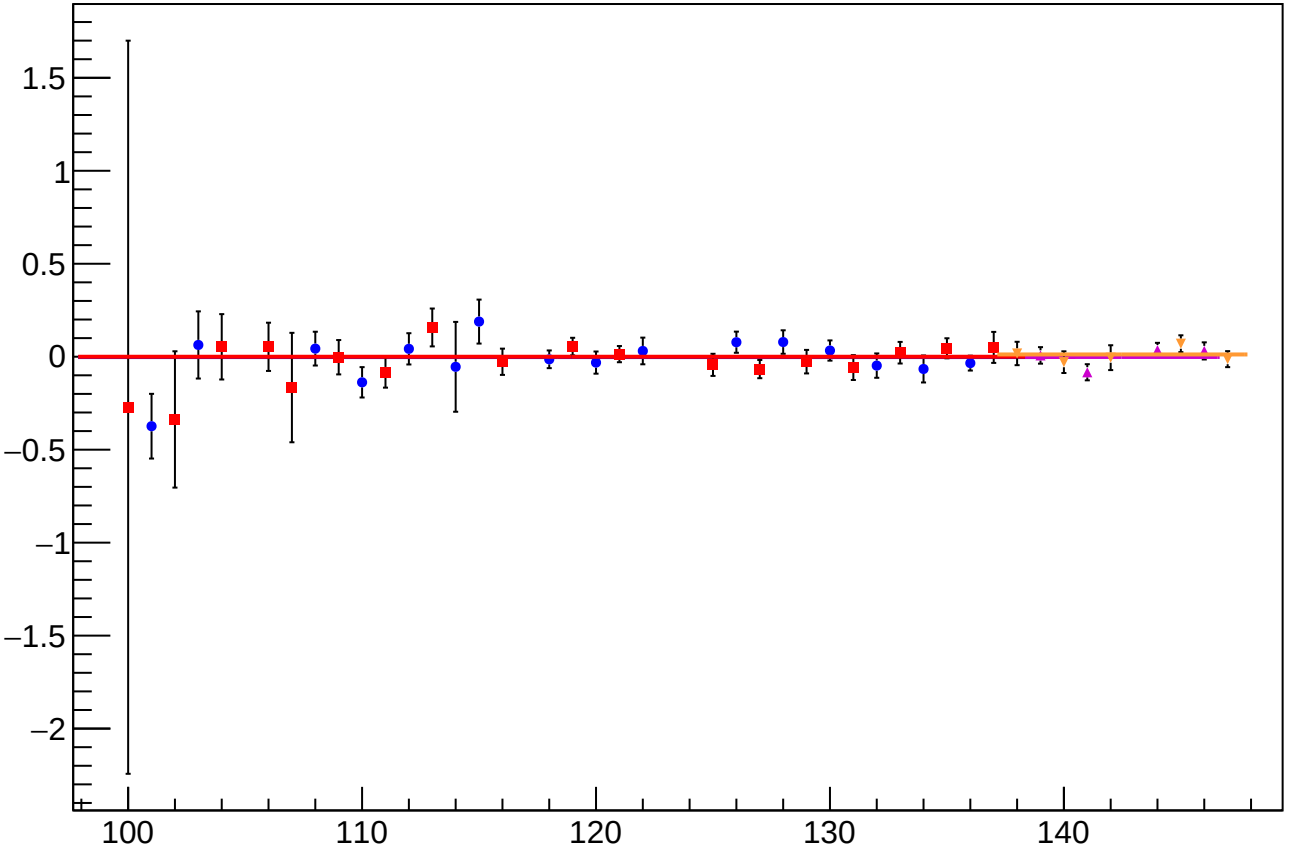
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.045+/-0.009 χ^2/NDF:1481072.4/19

Out: 38.569+/-0.010 χ^2/NDF:2038605.1/22

All: 38.811+/-0.007 χ^2/NDF: 3520920.5/42

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: 0.012+/-0.024 χ^2/NDF:2.6/4

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: -0.001+/-0.021 χ^2/NDF:5.0/3

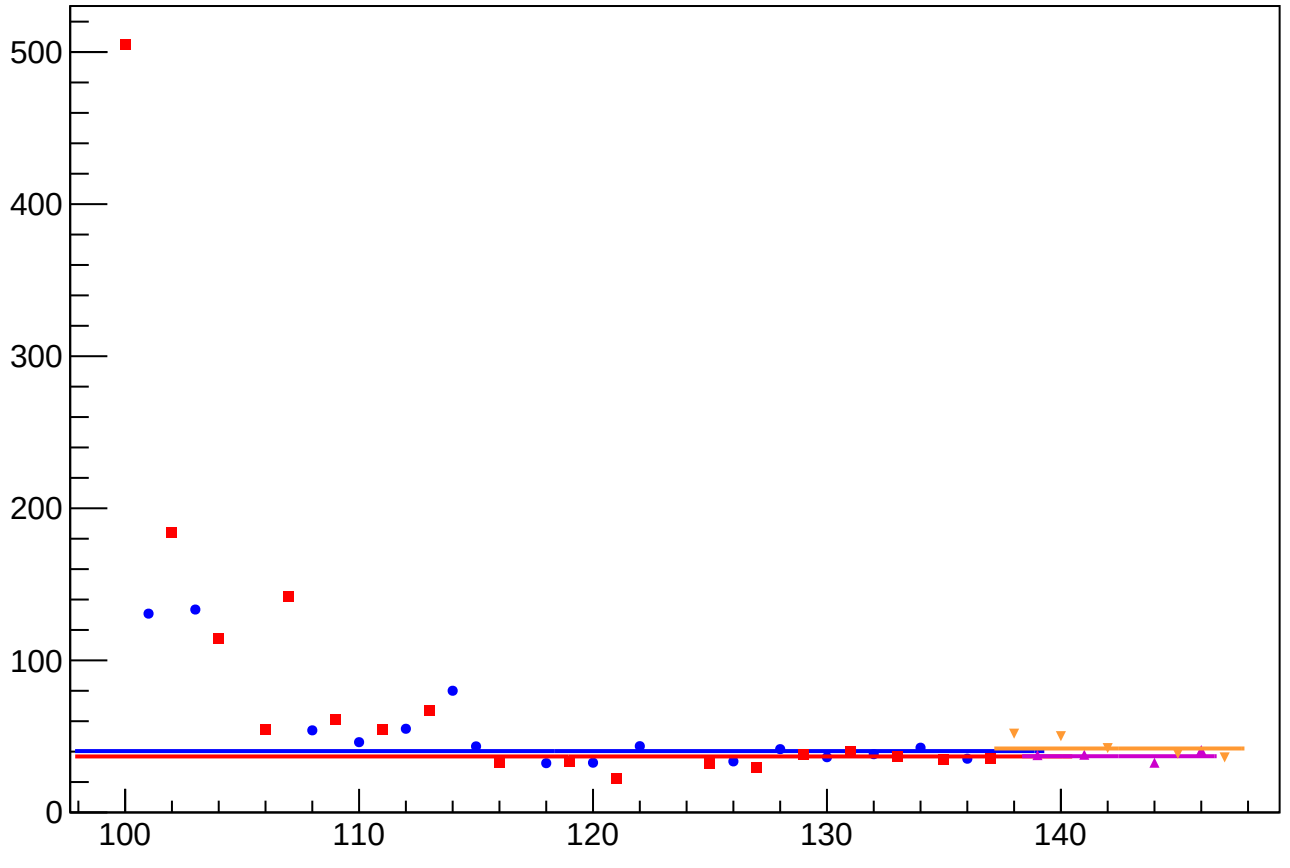
Left: 0.005+/-0.016 χ^2/NDF: 7.8/8

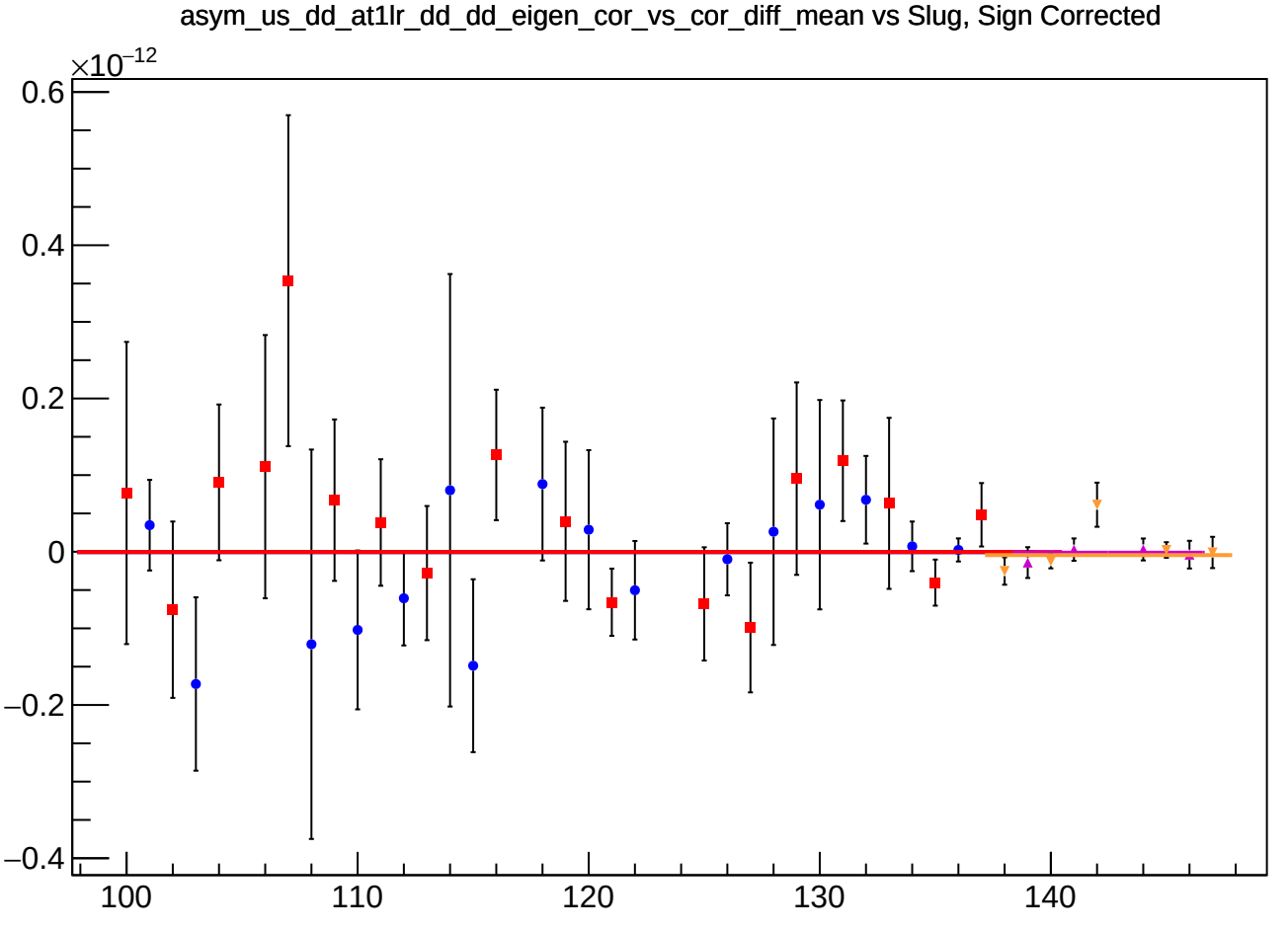
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: -0.002+/-0.013 χ^2/NDF:22.2/19

Out: 0.004+/-0.014 χ^2/NDF:13.7/22

All: 0.001+/-0.010 χ^2/NDF: 35.9/42


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
0
100
110
120
130
140
Right In: 40.352+/-0.012 χ²/NDF: 1410036.7/15
Left Out: 42.059+/-0.017 χ²/NDF:135682.6/4
Right Out: 36.824+/-0.012 χ²/NDF: 1837118.8/17
Left In: 36.979+/-0.015 χ²/NDF:40811.7/3
Left: 39.284+/-0.011 χ²/NDF: 227276.0/8
Right: 38.545+/-0.008 χ²/NDF: 3290871.7/33
In: 39.045+/-0.009 χ²/NDF:1481072.4/19
Out: 38.569+/-0.010 χ²/NDF:2038605.1/22
All: 38.811+/-0.007 χ²/NDF: 3520920.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/4

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

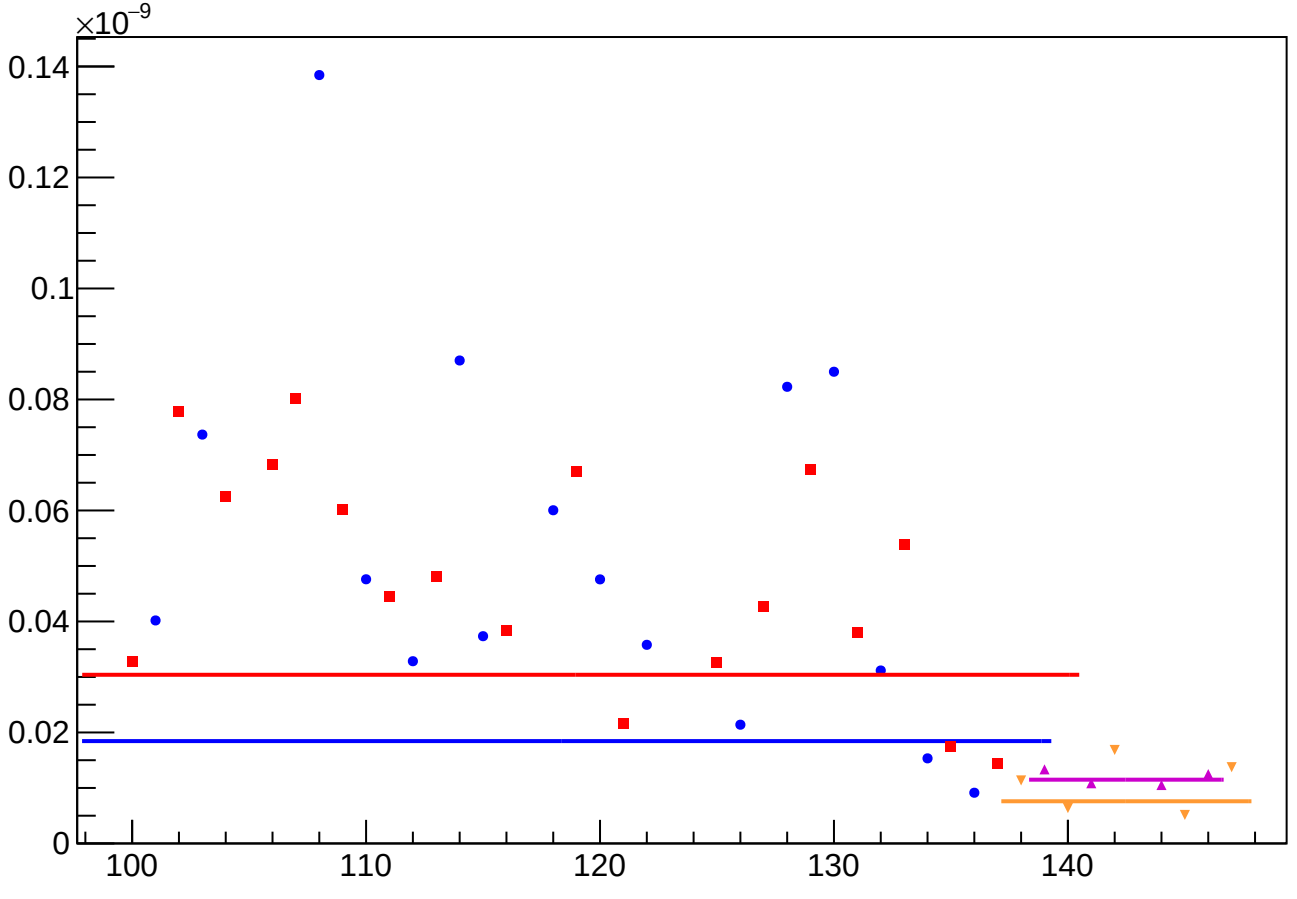
Left: -0.000+/-0.000 χ^2/NDF: 8.4/8

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:10.5/19

Out: -0.000+/-0.000 χ^2/NDF:26.1/22

All: -0.000+/-0.000 χ^2/NDF: 36.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:627281.6/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:36163.6/3

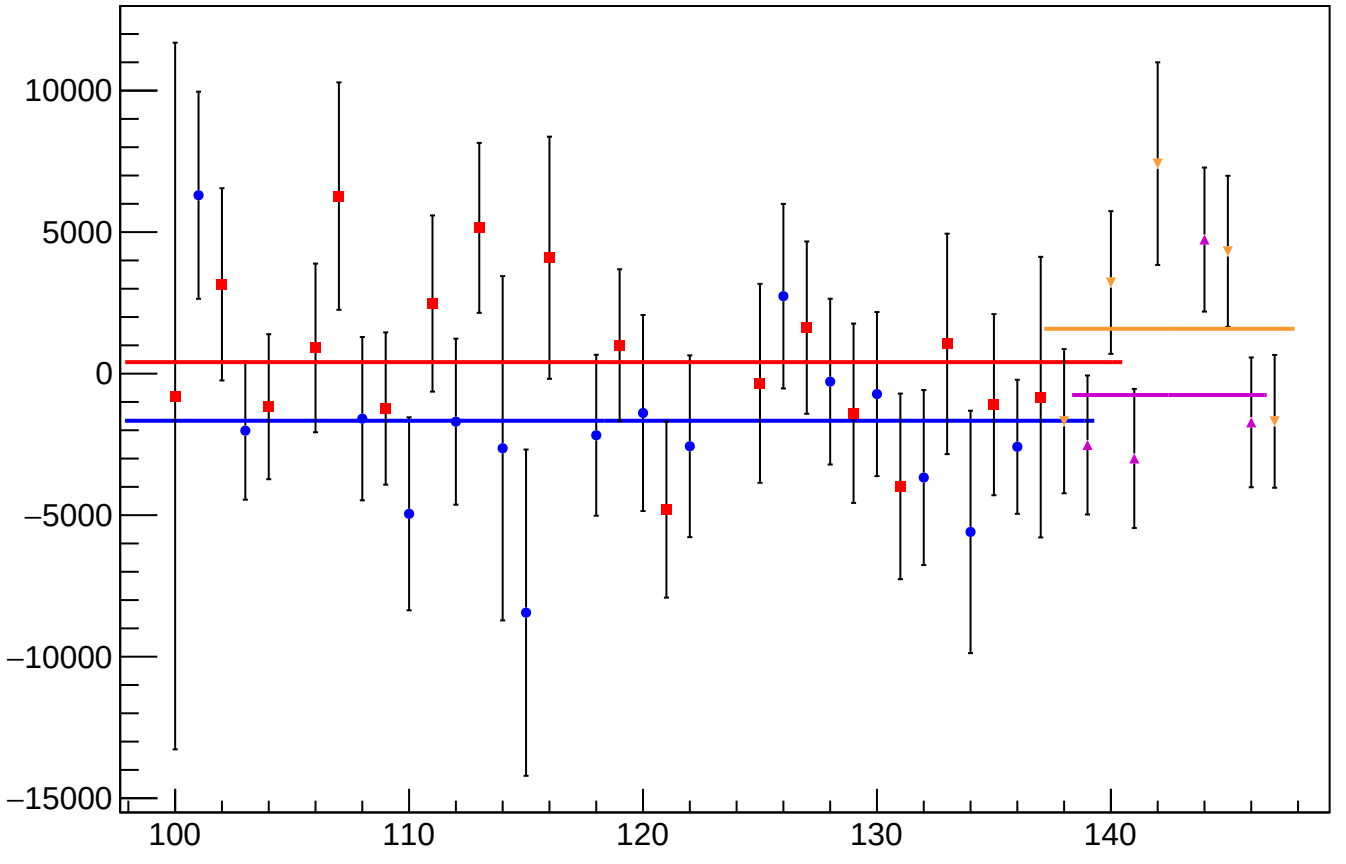
Left: 0.000+/-0.000 χ^2/NDF: 959031.7/8

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4543346.4/19

Out: 0.000+/-0.000 χ^2/NDF:6396293.0/22

All: 0.000+/-0.000 χ^2/NDF: 11262432.9/42



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 1584.800+/-1185.422 χ^2/NDF:7.7/4

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -754.109+/-1216.254 χ^2/NDF:6.2/3

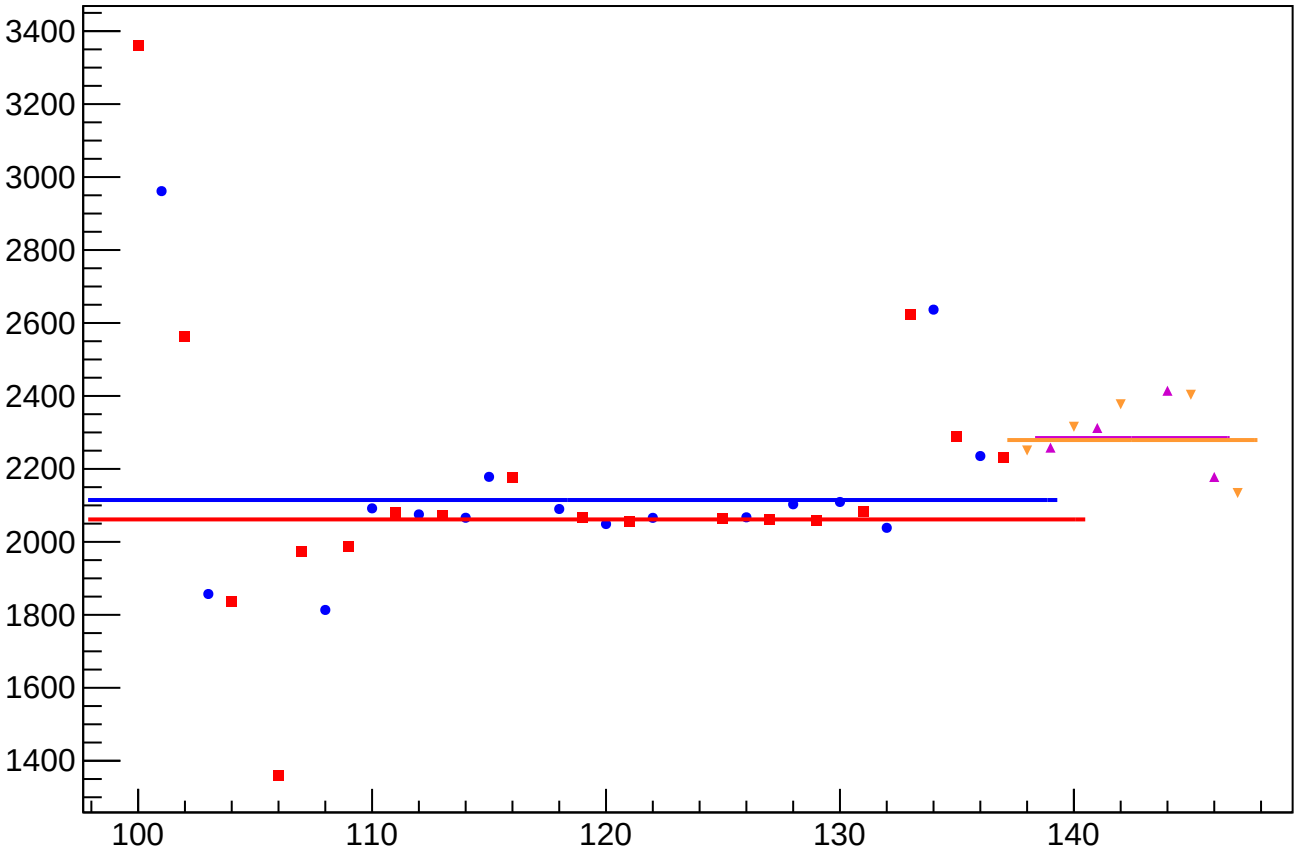
Left: 445.367+/-848.911 χ^2/NDF: 15.8/8

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1393.197+/-663.786 χ^2/NDF:17.4/19

Out: 760.945+/-649.936 χ^2/NDF:21.1/22

All: -293.419+/-464.393 χ^2/NDF: 43.9/42



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2279.140+/-0.838 χ^2/NDF:14161.3/4

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

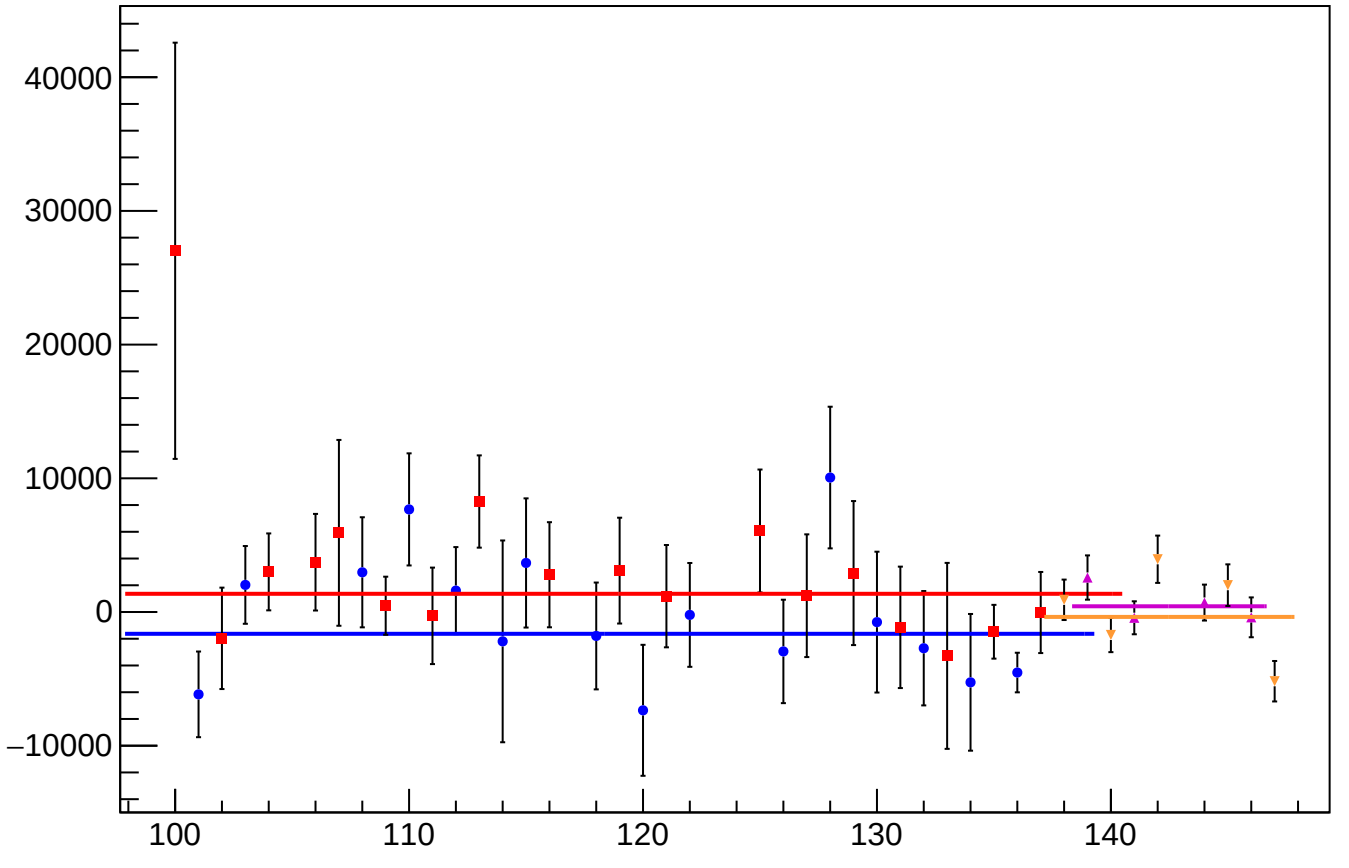
Left: 2281.809+/-0.600 χ^2/NDF: 24183.3/8

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2165.350+/-0.469 χ^2/NDF:227312.4/19

Out: 2126.965+/-0.460 χ^2/NDF:310472.4/22

All: 2145.753+/-0.328 χ^2/NDF: 541199.3/42



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -366.697+/-672.449 χ^2/NDF:20.2/4

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 428.026+/-702.523 χ^2/NDF:2.5/3

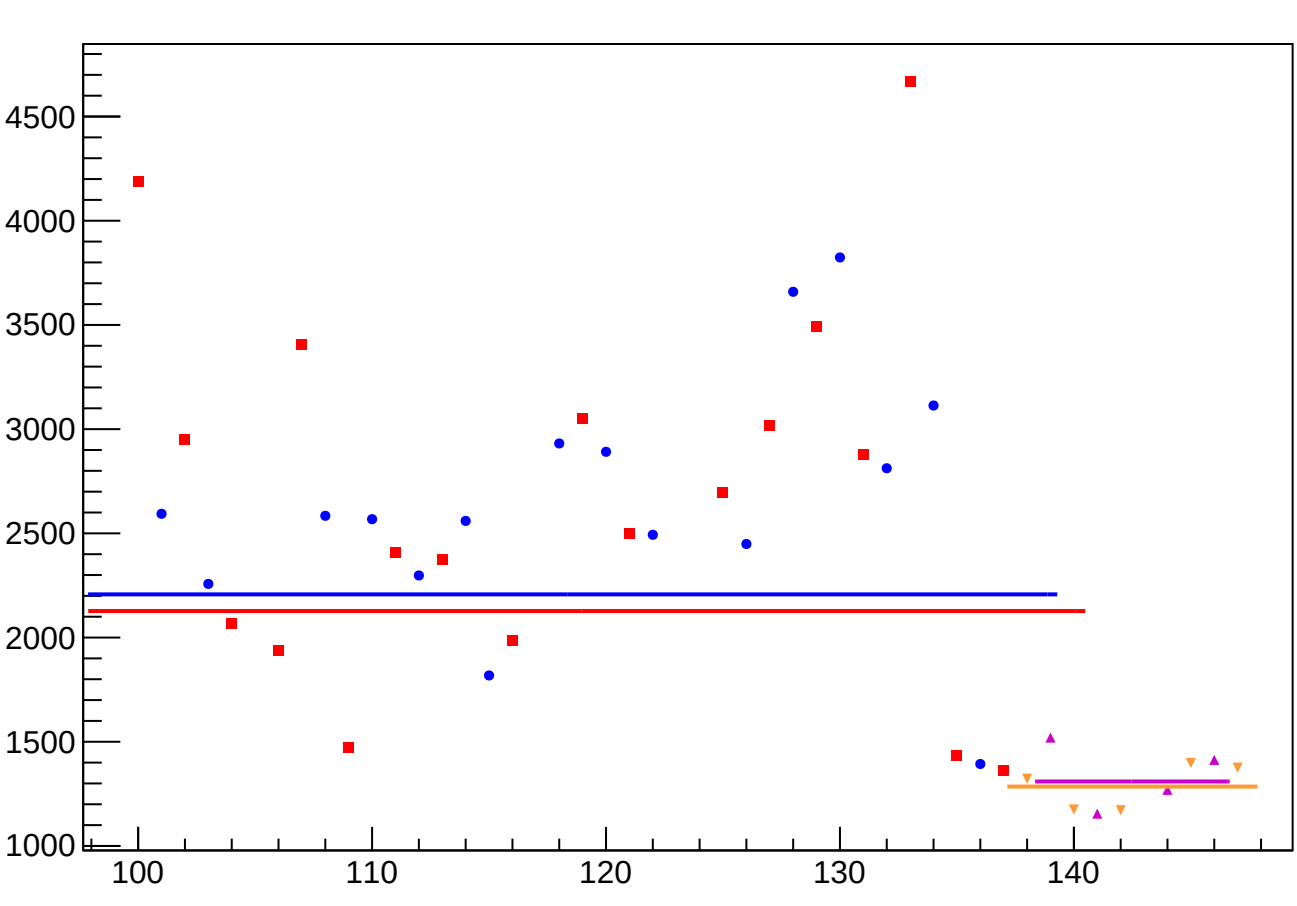
Left: 13.291+/-485.777 χ^2/NDF: 23.4/8

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -393.074+/-544.678 χ^2/NDF:28.8/19

Out: 307.995+/-525.059 χ^2/NDF:36.2/22

All: -29.686+/-378.018 χ^2/NDF: 65.9/42



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1284.962+/-0.475 χ^2/NDF:41916.8/4

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1309.415+/-0.497 χ^2/NDF:75097.7/3

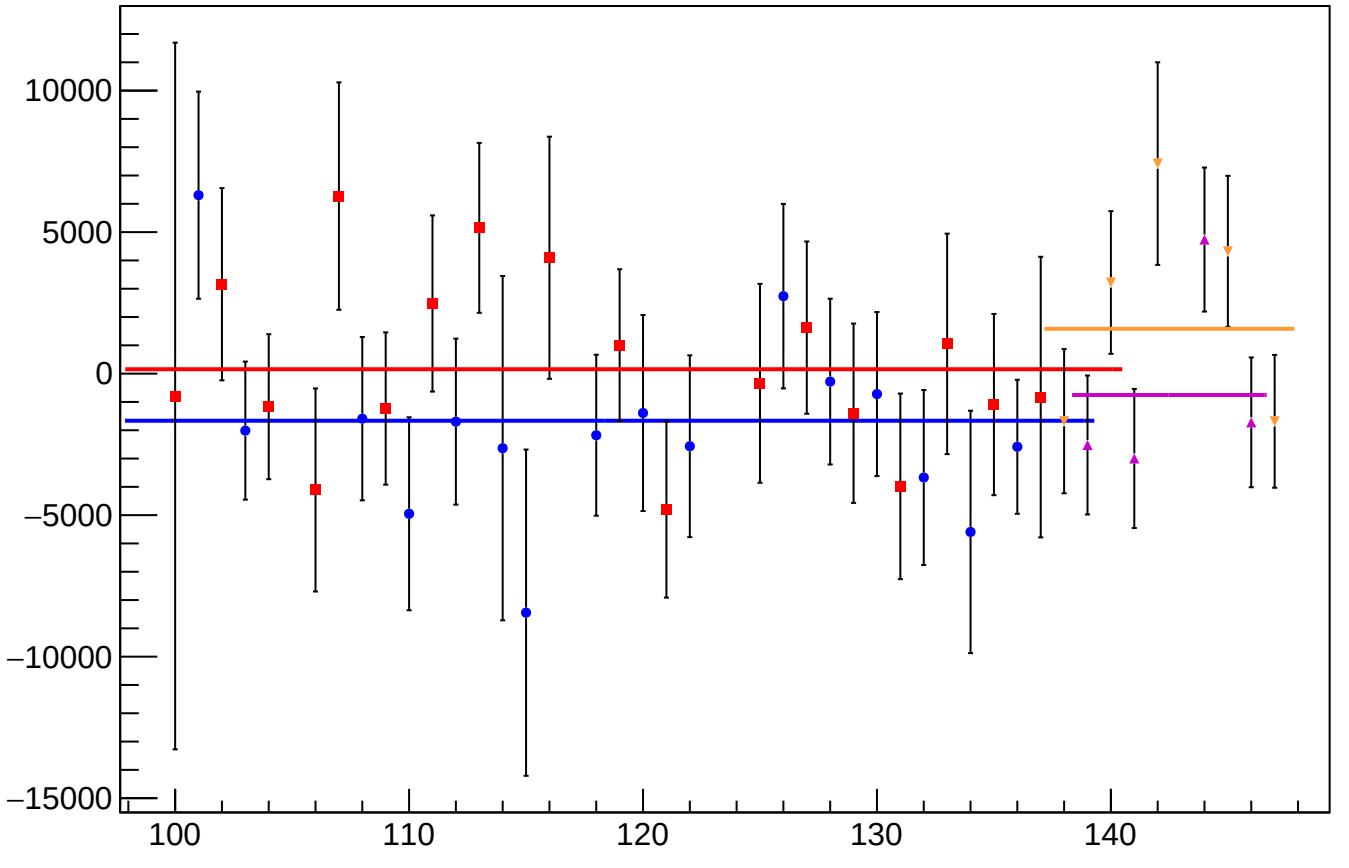
Left: 1296.654+/-0.343 χ^2/NDF: 118279.1/8

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1667.547+/-0.385 χ^2/NDF:2627385.7/19

Out: 1613.718+/-0.371 χ^2/NDF:2724672.3/22

All: 1639.646+/-0.267 χ^2/NDF: 5362183.0/42



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 1585.061+/-1185.423 χ^2/NDF:7.7/4

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -754.325+/-1216.254 χ^2/NDF:6.2/3

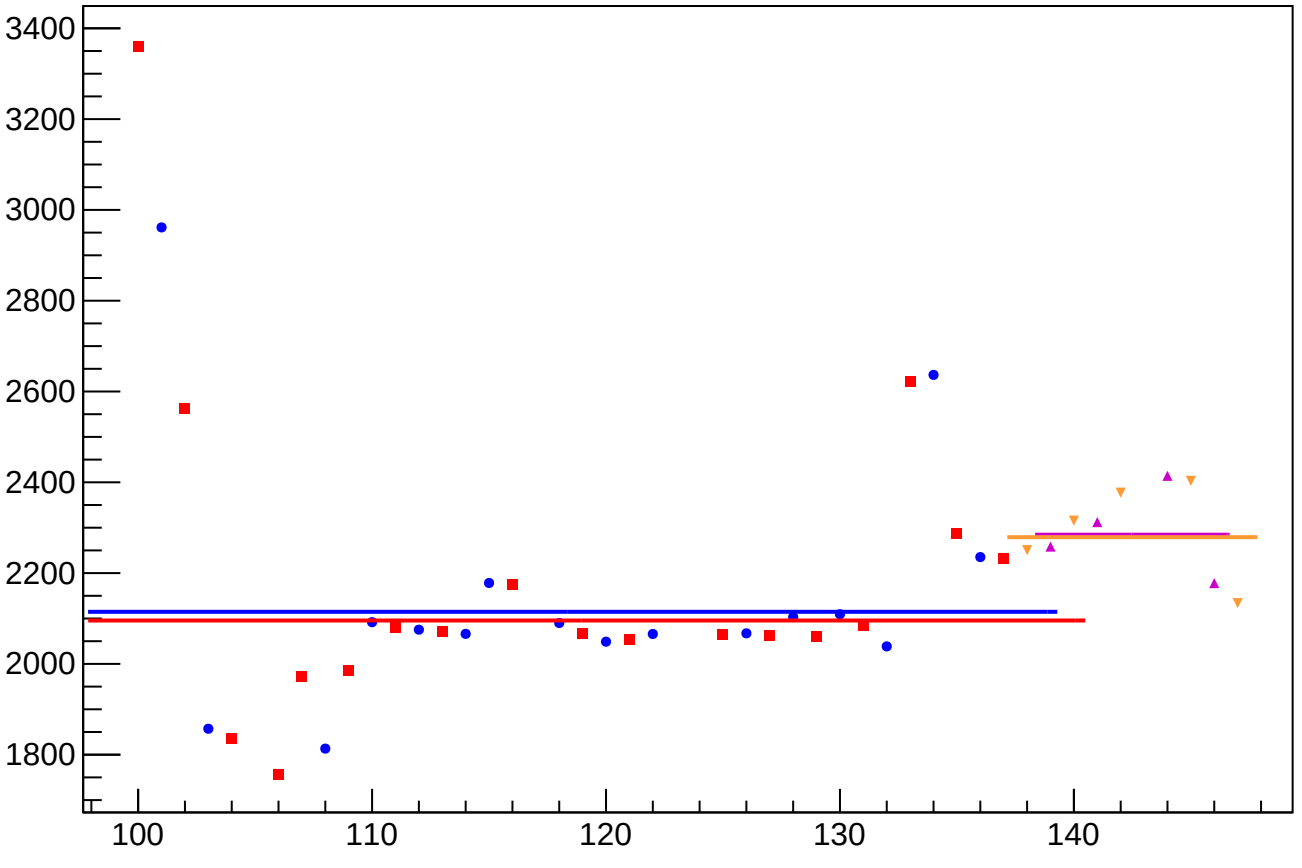
Left: 445.395+/-848.911 χ^2/NDF: 15.8/8

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1393.210+/-663.786 χ^2/NDF:17.4/19

Out: 591.854+/-654.781 χ^2/NDF:22.9/22

All: -387.122+/-466.151 χ^2/NDF: 44.8/42



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2279.140+/-0.838 χ^2/NDF:14161.3/4

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

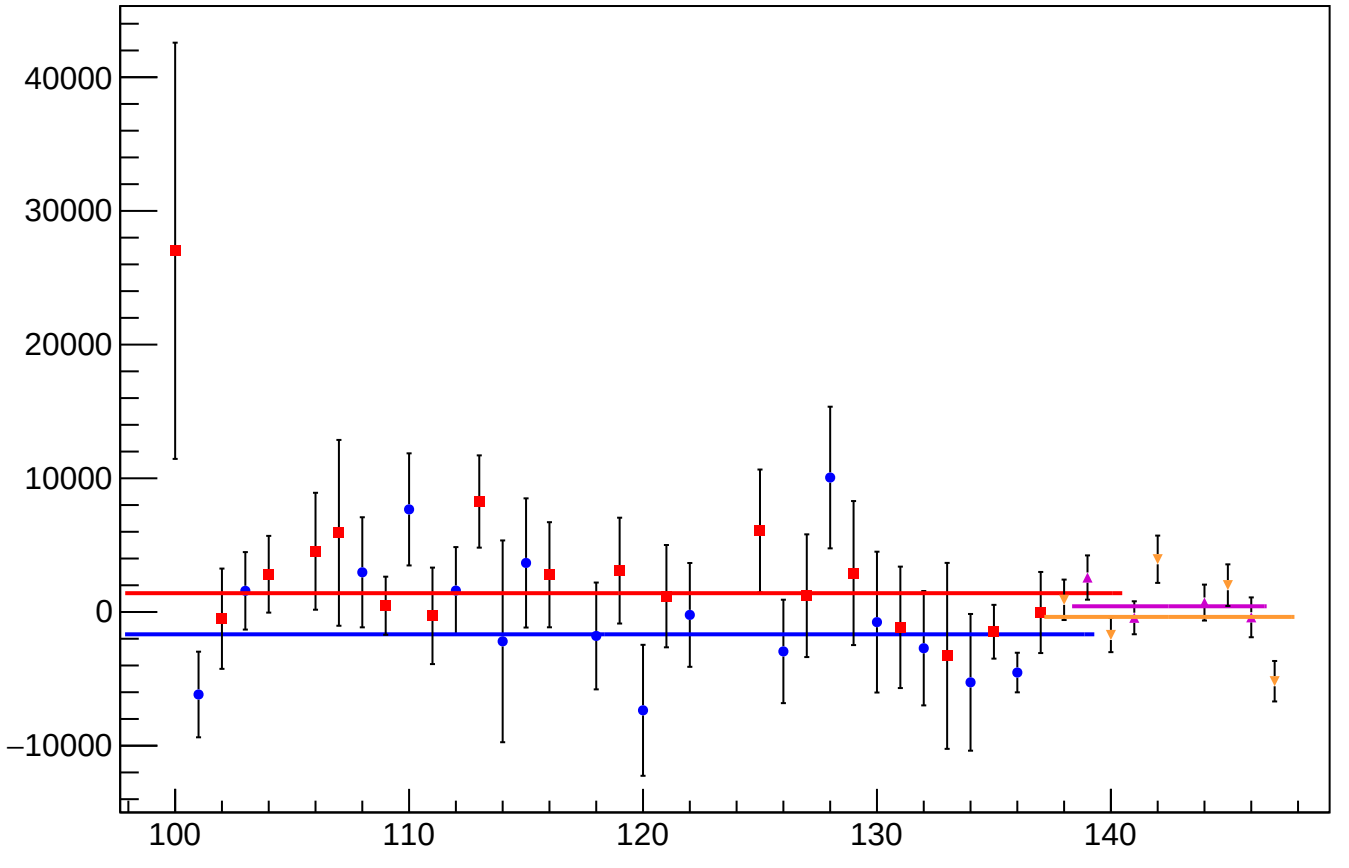
Left: 2281.809+/-0.600 χ^2/NDF: 24183.3/8

Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2165.350+/-0.469 χ^2/NDF:227312.8/19

Out: 2151.596+/-0.463 χ^2/NDF:196840.1/22

All: 2158.379+/-0.330 χ^2/NDF: 424588.1/42



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -366.747+/-672.460 χ^2/NDF:20.2/4

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 428.002+/-702.517 χ^2/NDF:2.5/3

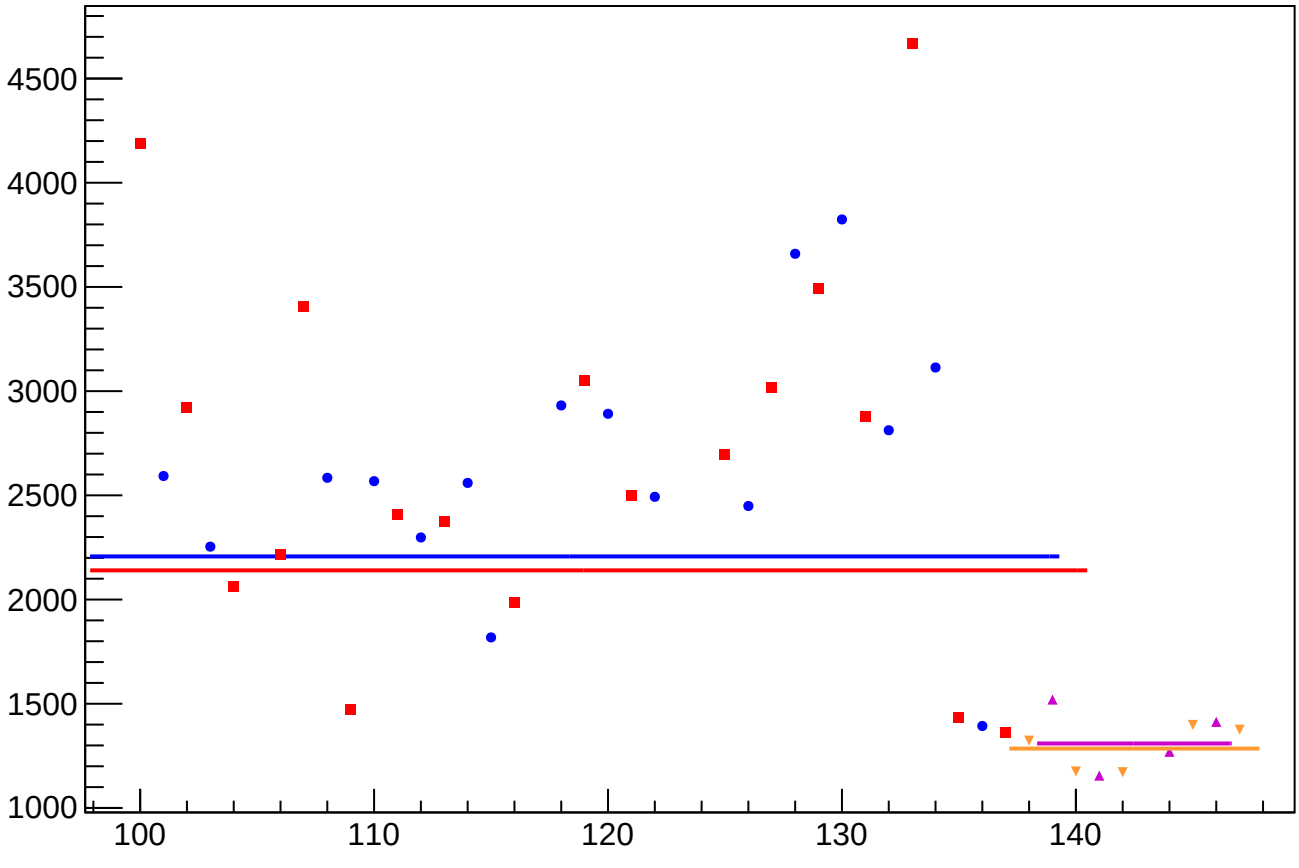
Left: 13.262+/-485.779 χ^2/NDF: 23.4/8

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -408.582+/-544.602 χ^2/NDF:28.6/19

Out: 319.339+/-526.675 χ^2/NDF:35.9/22

All: -32.443+/-378.595 χ^2/NDF: 65.4/42



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1284.985+/-0.476 χ^2/NDF:41900.3/4

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1309.403+/-0.497 χ^2/NDF:75117.4/3

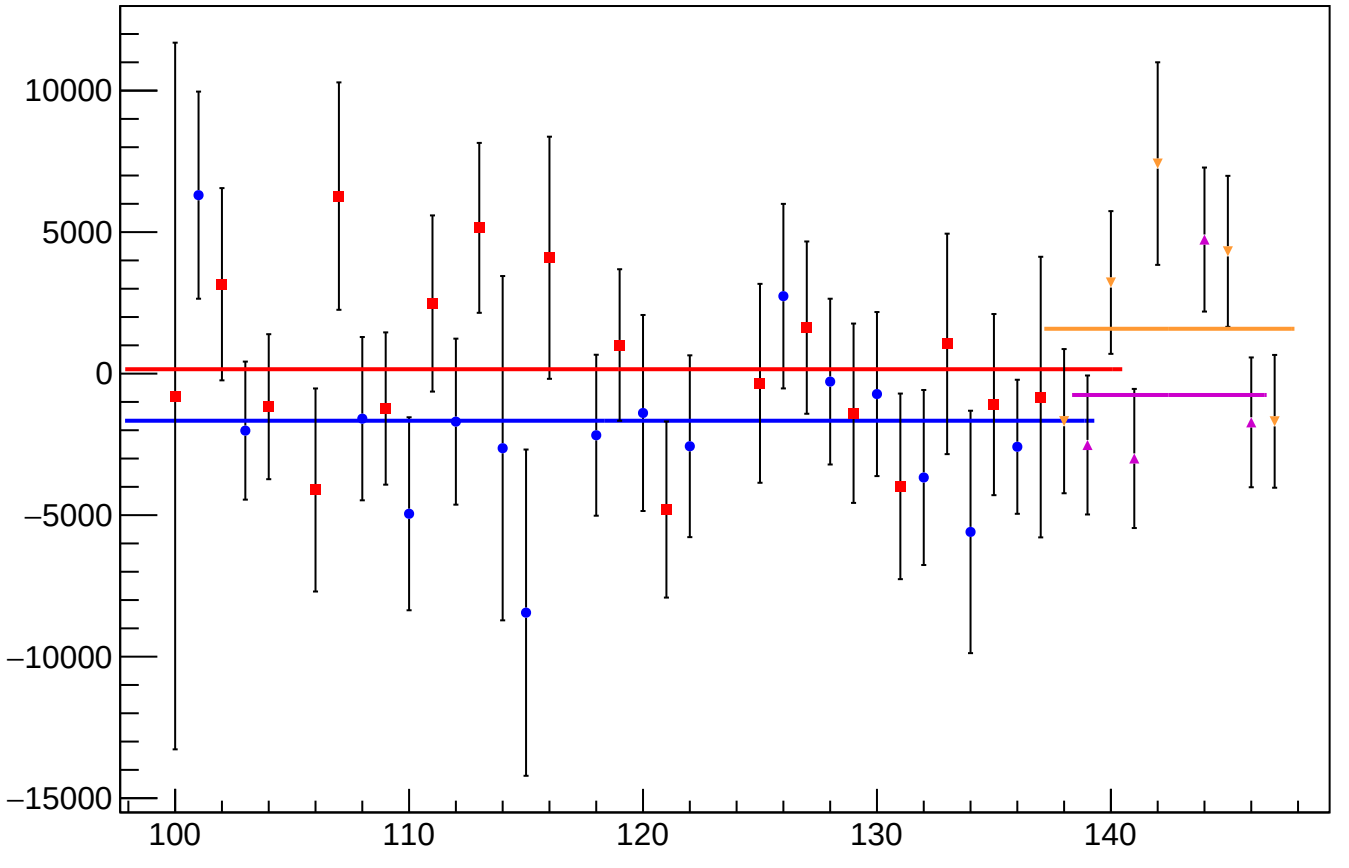
Left: 1296.661+/-0.343 χ^2/NDF: 118278.6/8

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1667.548+/-0.385 χ^2/NDF:2626758.5/19

Out: 1615.547+/-0.372 χ^2/NDF:2740391.5/22

All: 1640.678+/-0.268 χ^2/NDF: 5376572.6/42



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 1585.061+/-1185.423 χ^2/NDF:7.7/4

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -754.325+/-1216.254 χ^2/NDF:6.2/3

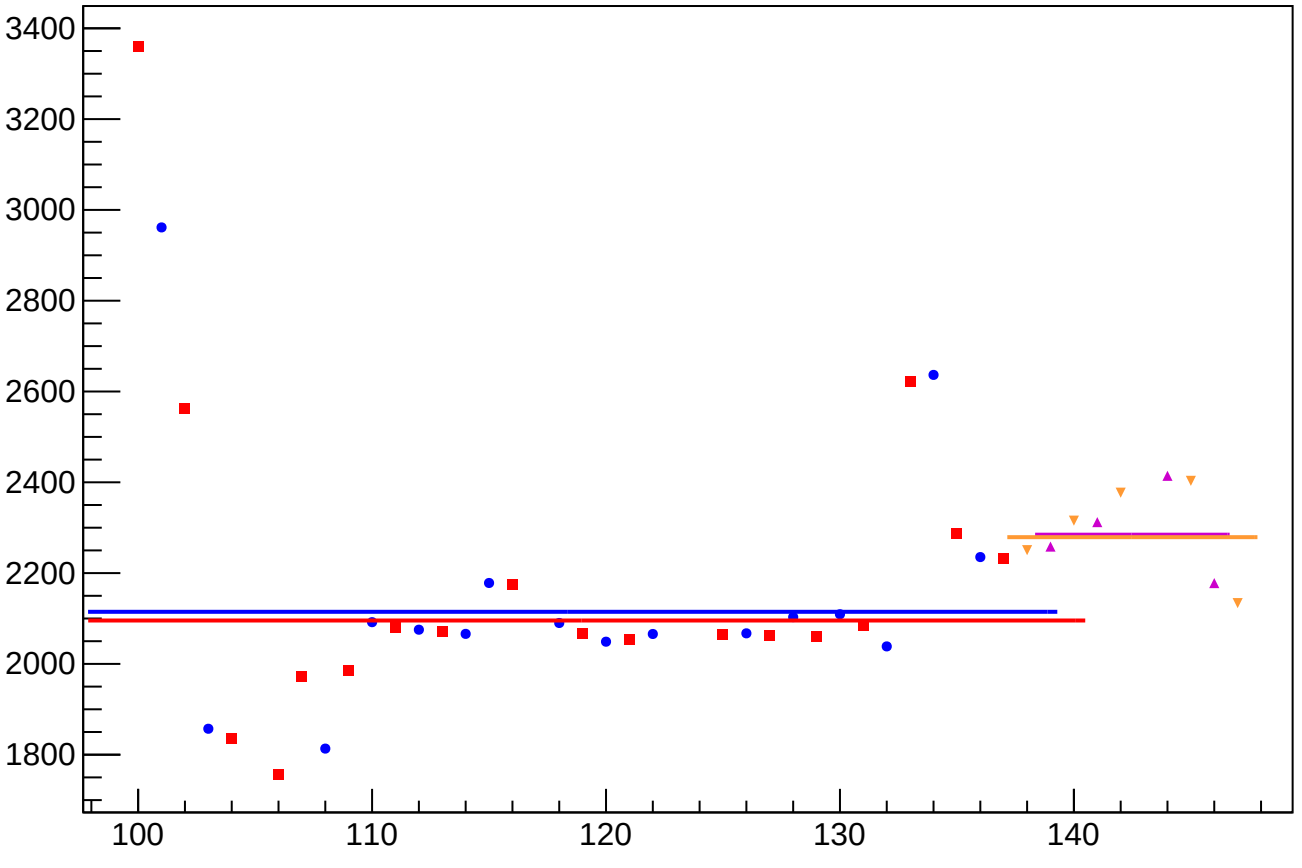
Left: 445.395+/-848.911 χ^2/NDF: 15.8/8

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1393.210+/-663.786 χ^2/NDF:17.4/19

Out: 591.854+/-654.781 χ^2/NDF:22.9/22

All: -387.122+/-466.151 χ^2/NDF: 44.8/42



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2279.140+/-0.838 χ^2/NDF:14161.3/4

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2284.618+/-0.860 χ^2/NDF:10001.2/3

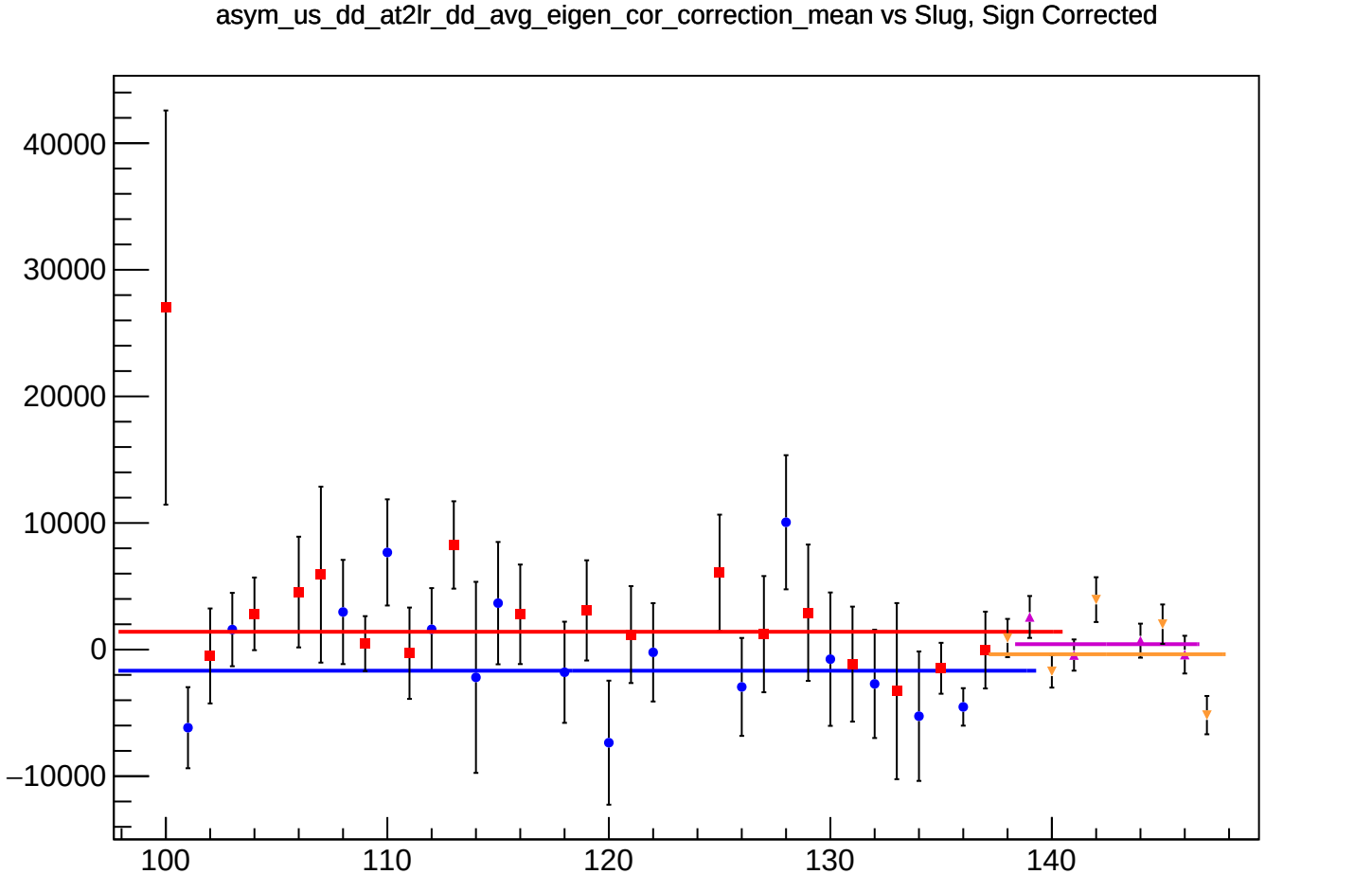
Left: 2281.809+/-0.600 χ^2/NDF: 24183.3/8

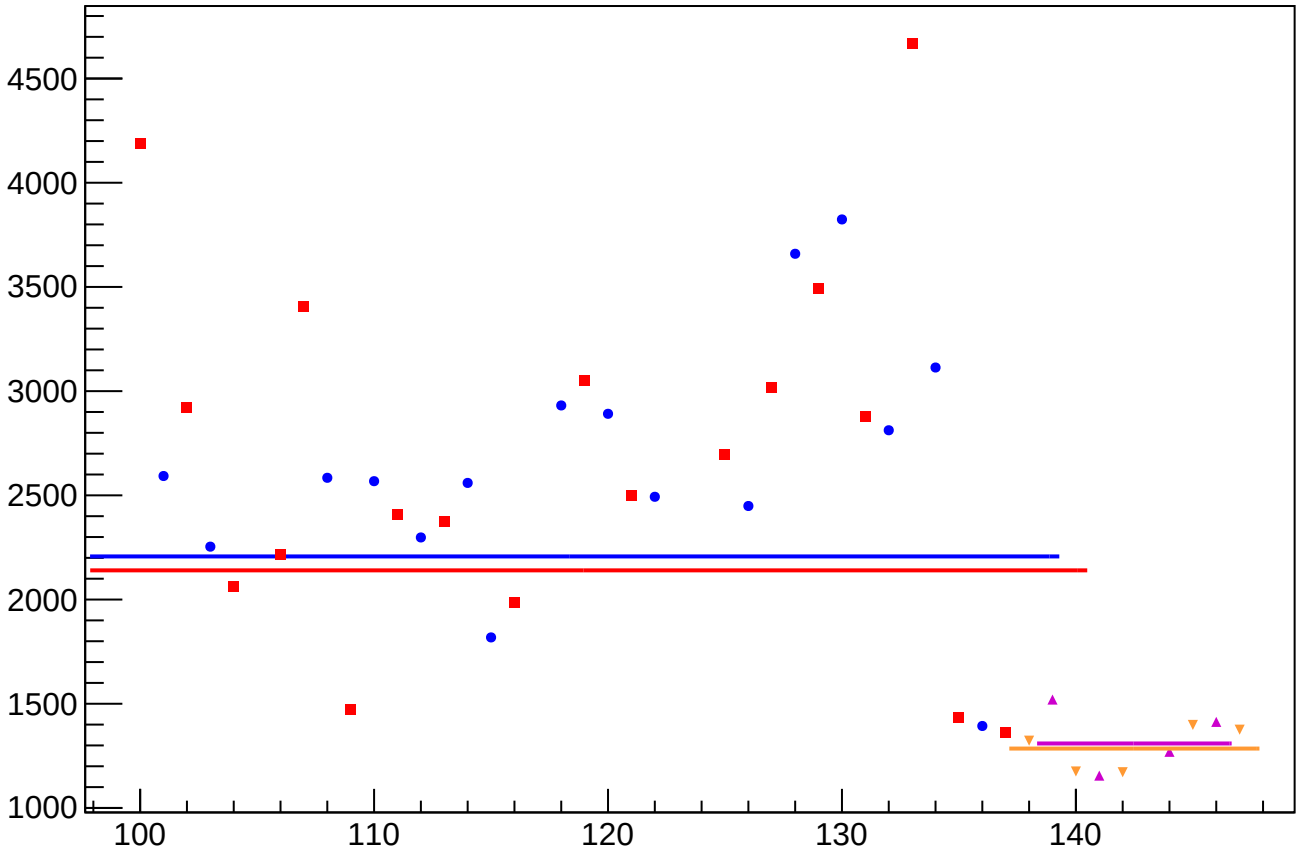
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2165.350+/-0.469 χ^2/NDF:227312.8/19

Out: 2151.596+/-0.463 χ^2/NDF:196840.1/22

All: 2158.379+/-0.330 χ^2/NDF: 424588.1/42


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -366.747+/-672.460 χ²/NDF:20.2/4
Right Out: 1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: 428.002+/-702.517 χ²/NDF:2.5/3
Left: 13.262+/-485.779 χ²/NDF: 23.4/8
Right: -103.153+/-604.221 χ²/NDF: 42.0/33
In: -408.582+/-544.602 χ²/NDF:28.6/19
Out: 319.339+/-526.675 χ²/NDF:35.9/22
All: -32.443+/-378.595 χ²/NDF: 65.4/42



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1284.985+/-0.476 χ^2/NDF:41900.3/4

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1309.403+/-0.497 χ^2/NDF:75117.4/3

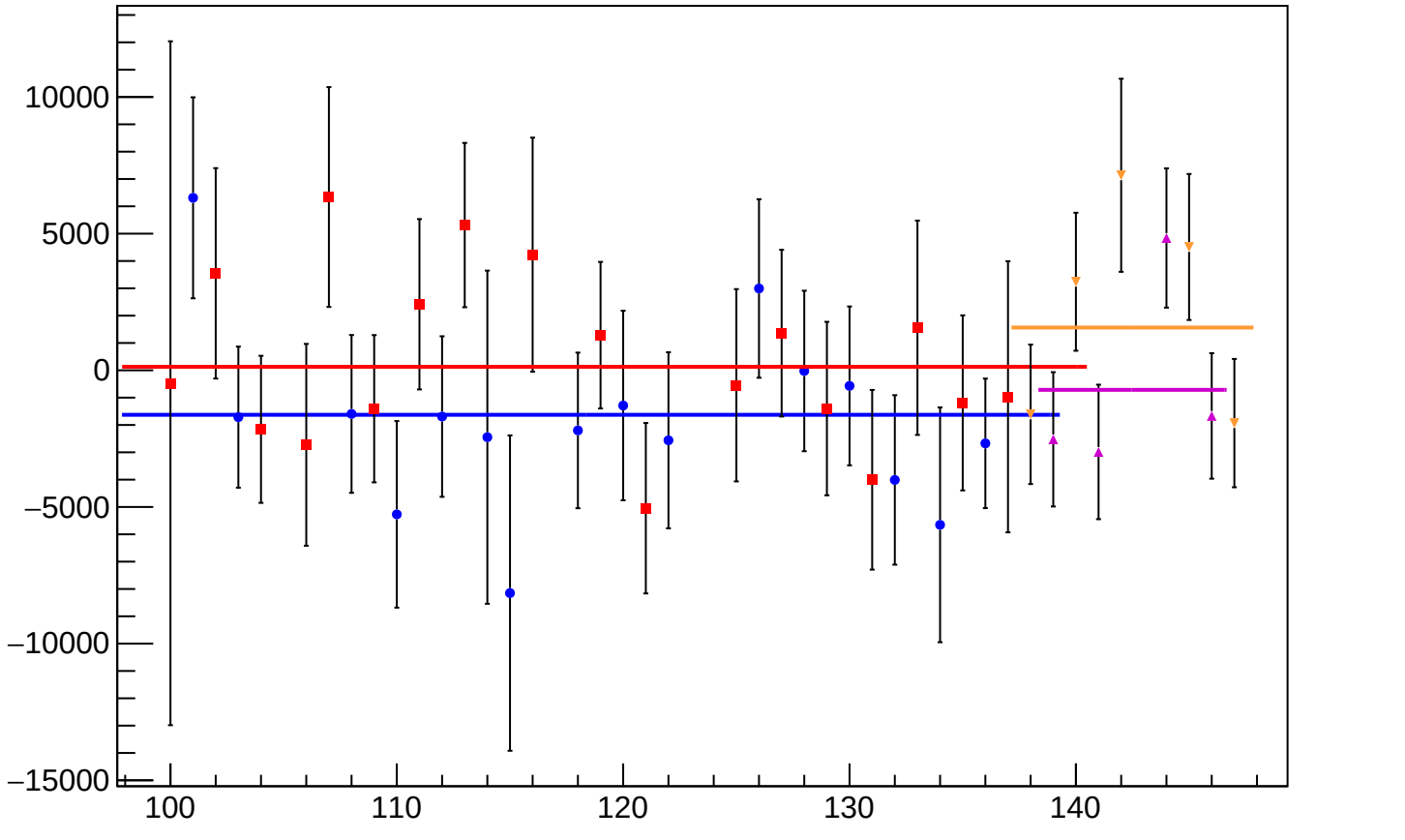
Left: 1296.661+/-0.343 χ^2/NDF: 118278.6/8

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1667.548+/-0.385 χ^2/NDF:2626758.5/19

Out: 1615.547+/-0.372 χ^2/NDF:2740391.5/22

All: 1640.678+/-0.268 χ^2/NDF: 5376572.6/42



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 1564.897+/-1184.732 χ^2/NDF:7.9/4

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -714.708+/-1217.650 χ^2/NDF:6.3/3

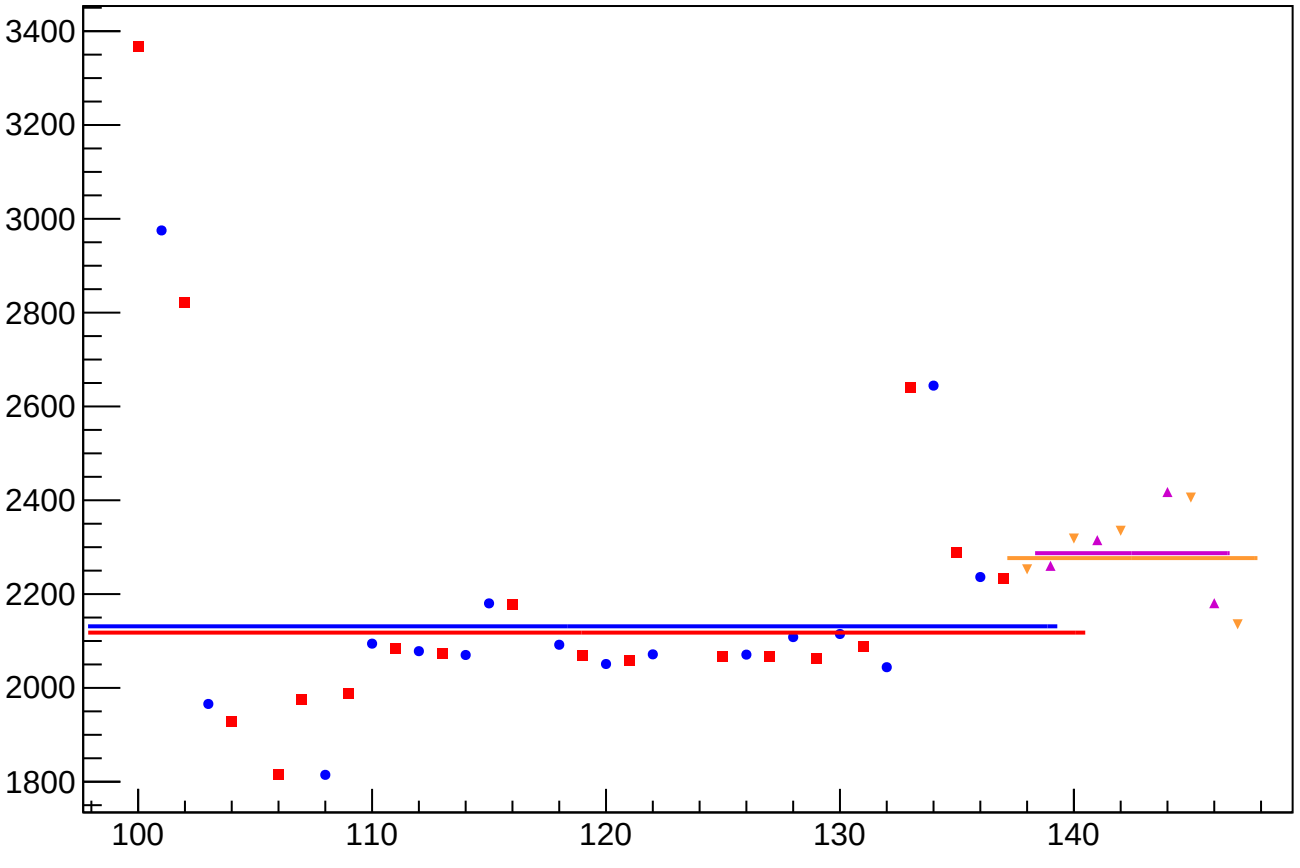
Left: 456.325+/-849.131 χ^2/NDF: 16.0/8

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1353.358+/-667.419 χ^2/NDF:18.0/19

Out: 574.897+/-660.660 χ^2/NDF:23.5/22

All: -379.417+/-469.528 χ^2/NDF: 45.7/42



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2276.728+/-0.838 χ^2/NDF:13160.5/4

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2287.216+/-0.861 χ^2/NDF:10043.7/3

Left: 2281.828+/-0.600 χ^2/NDF: 23280.4/8

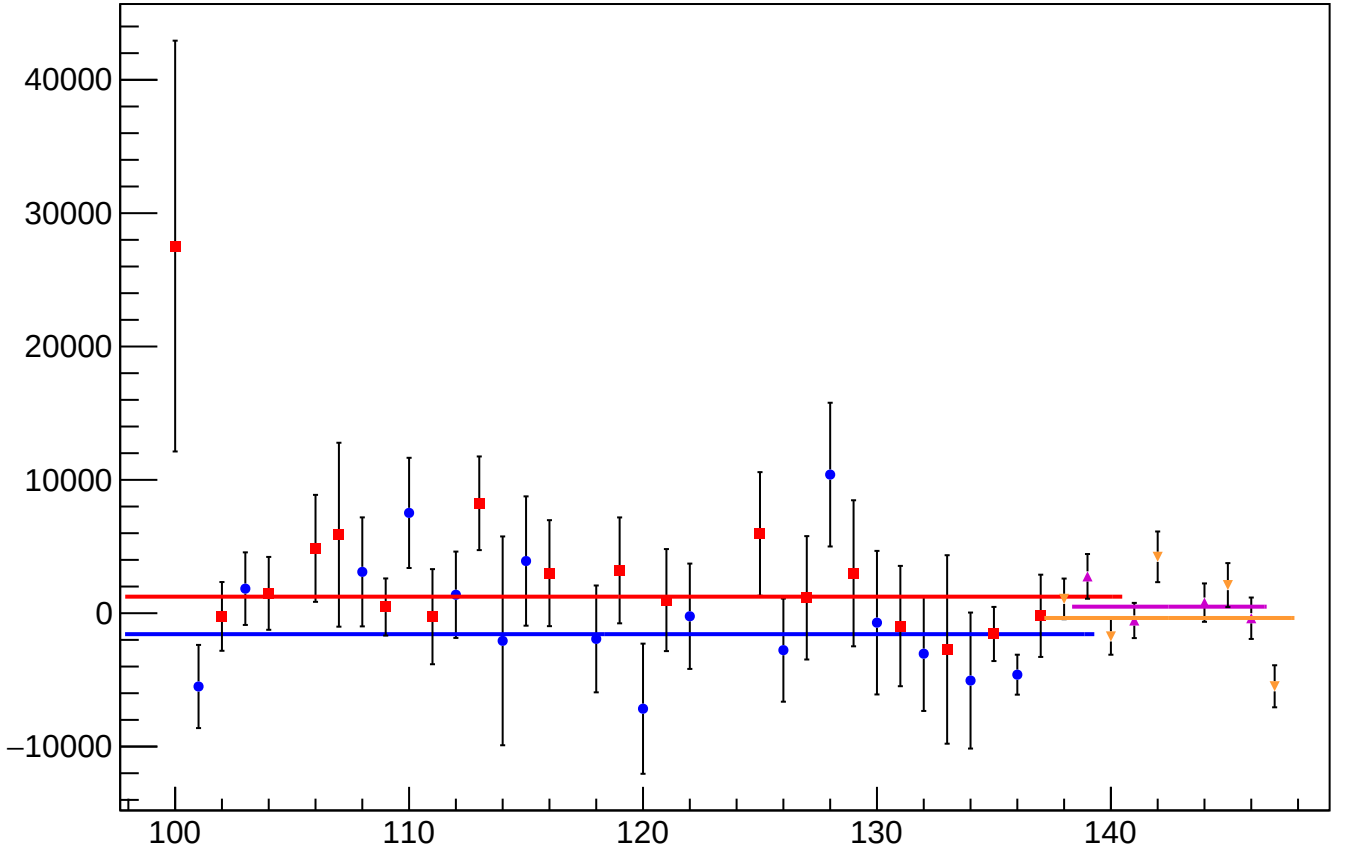
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2178.142+/-0.472 χ^2/NDF:208927.6/19

Out: 2167.268+/-0.467 χ^2/NDF:201560.9/22

All: 2172.649+/-0.332 χ^2/NDF: 410756.7/42

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: -357.799+/-705.643 χ^2/NDF:20.5/4

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 490.096+/-739.970 χ^2/NDF:2.8/3

Left: 46.026+/-510.669 χ^2/NDF: 24.0/8

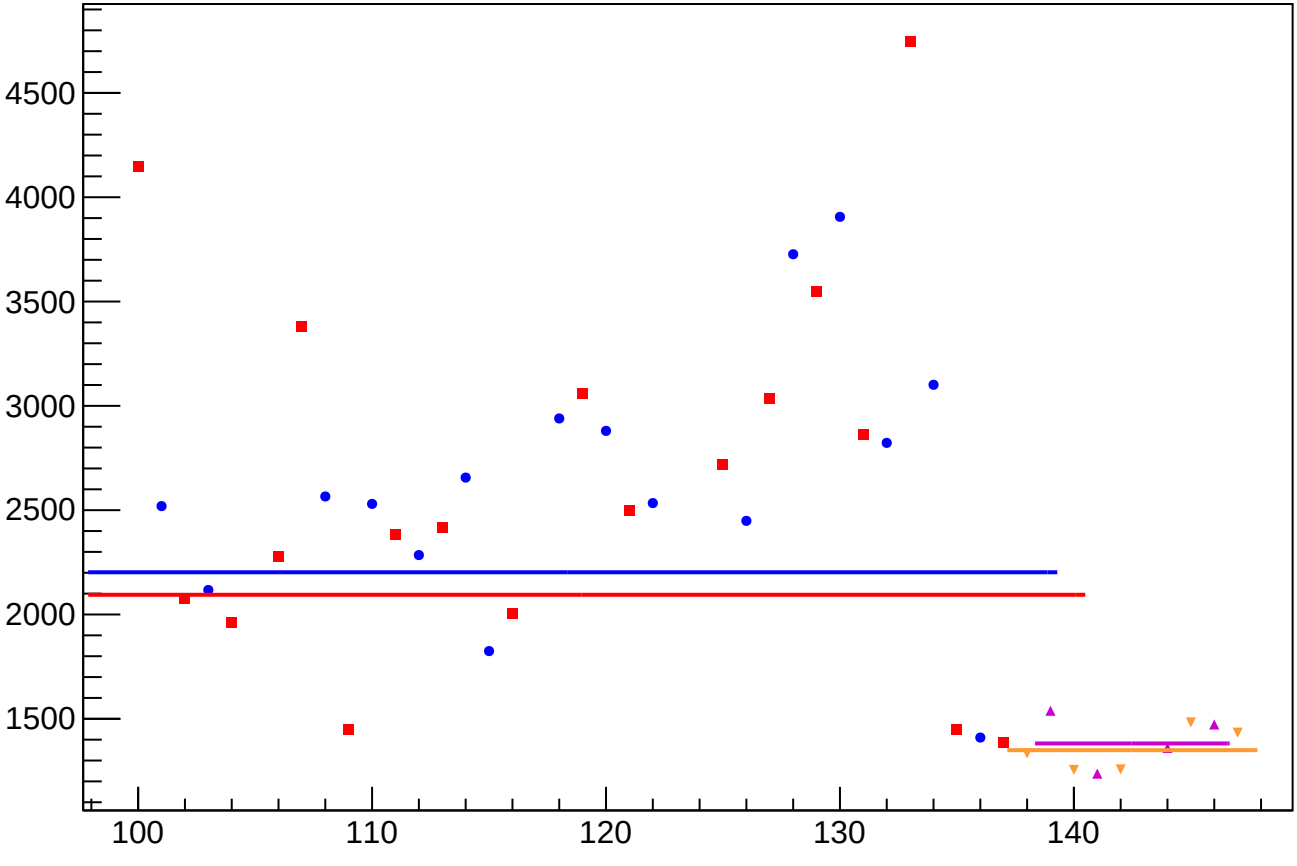
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -387.013+/-560.846 χ^2/NDF:28.7/19

Out: 322.647+/-534.803 χ^2/NDF:35.8/22

All: -15.323+/-387.042 χ^2/NDF: 65.3/42

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1349.690+/-0.499 χ^2/NDF:33101.8/4

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1381.875+/-0.523 χ^2/NDF:48752.6/3

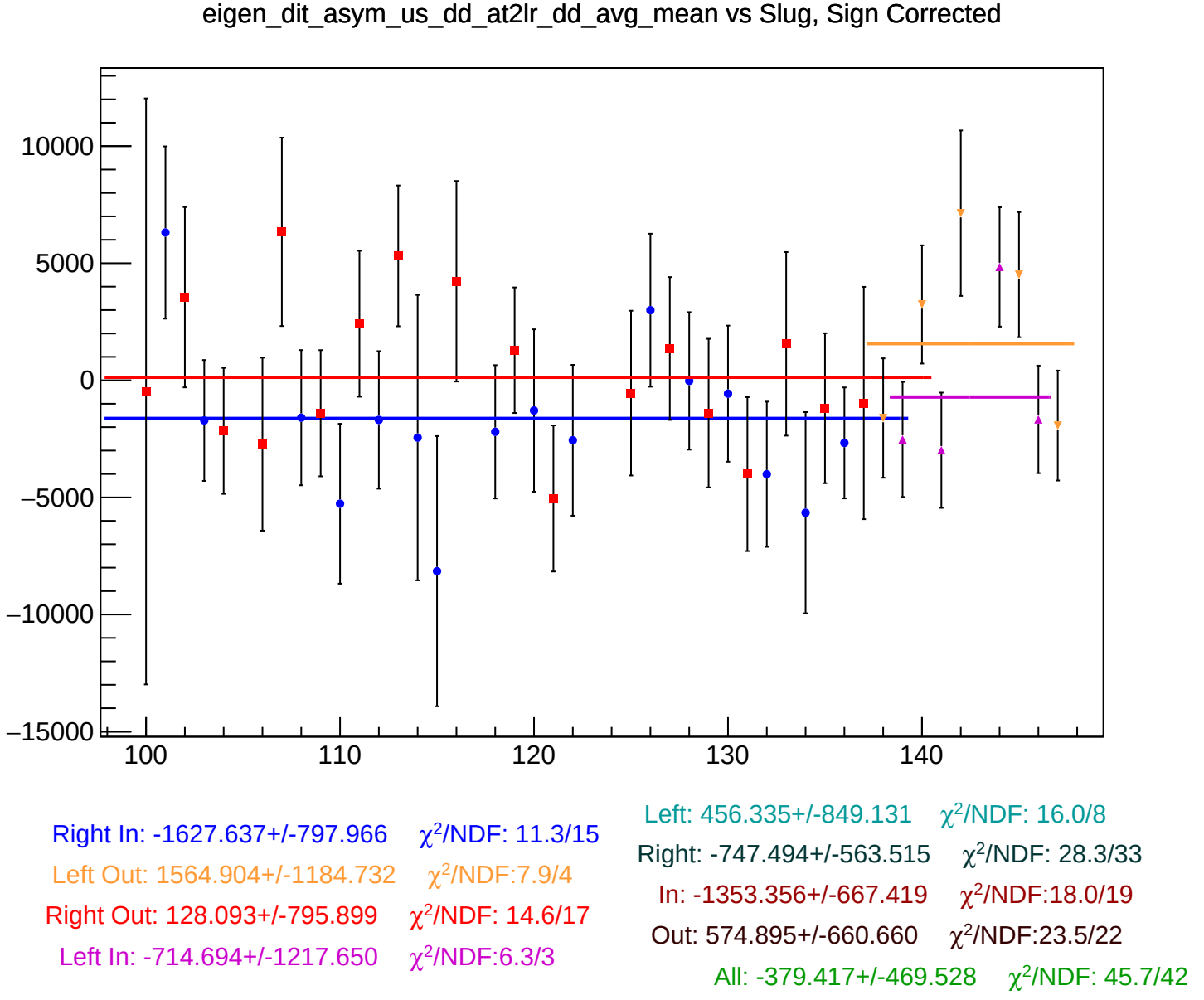
Left: 1365.019+/-0.361 χ^2/NDF: 83835.9/8

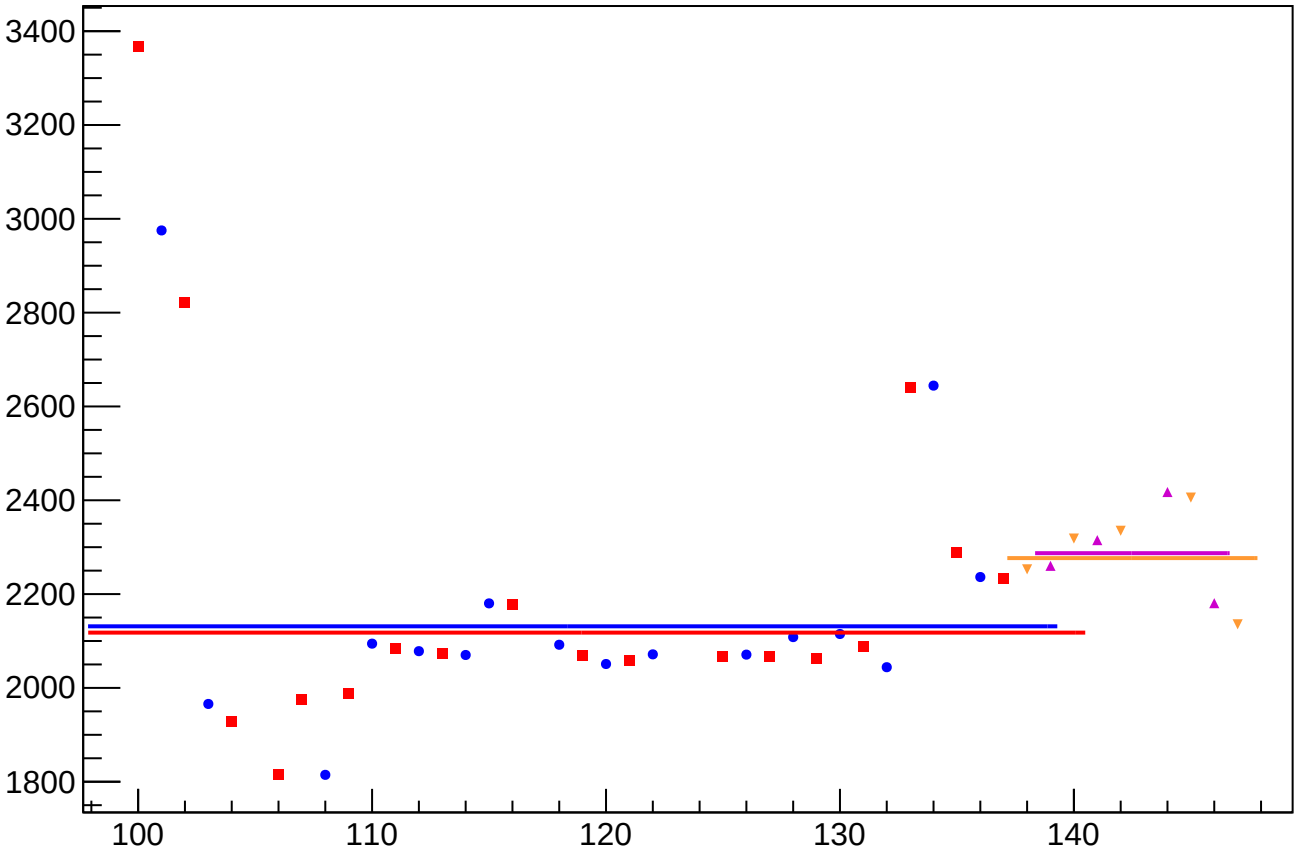
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1731.031+/-0.397 χ^2/NDF:2318130.6/19

Out: 1666.655+/-0.378 χ^2/NDF:2354944.5/22

All: 1697.314+/-0.274 χ^2/NDF: 4686876.5/42


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: 1564.904+/-1184.732 χ²/NDF:7.9/4
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -714.694+/-1217.650 χ²/NDF:6.3/3
Left: 456.335+/-849.131 χ²/NDF: 16.0/8
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1353.356+/-667.419 χ²/NDF:18.0/19
Out: 574.895+/-660.660 χ²/NDF:23.5/22
All: -379.417+/-469.528 χ²/NDF: 45.7/42



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2276.728+/-0.838 χ^2/NDF:13160.5/4

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2287.216+/-0.861 χ^2/NDF:10043.7/3

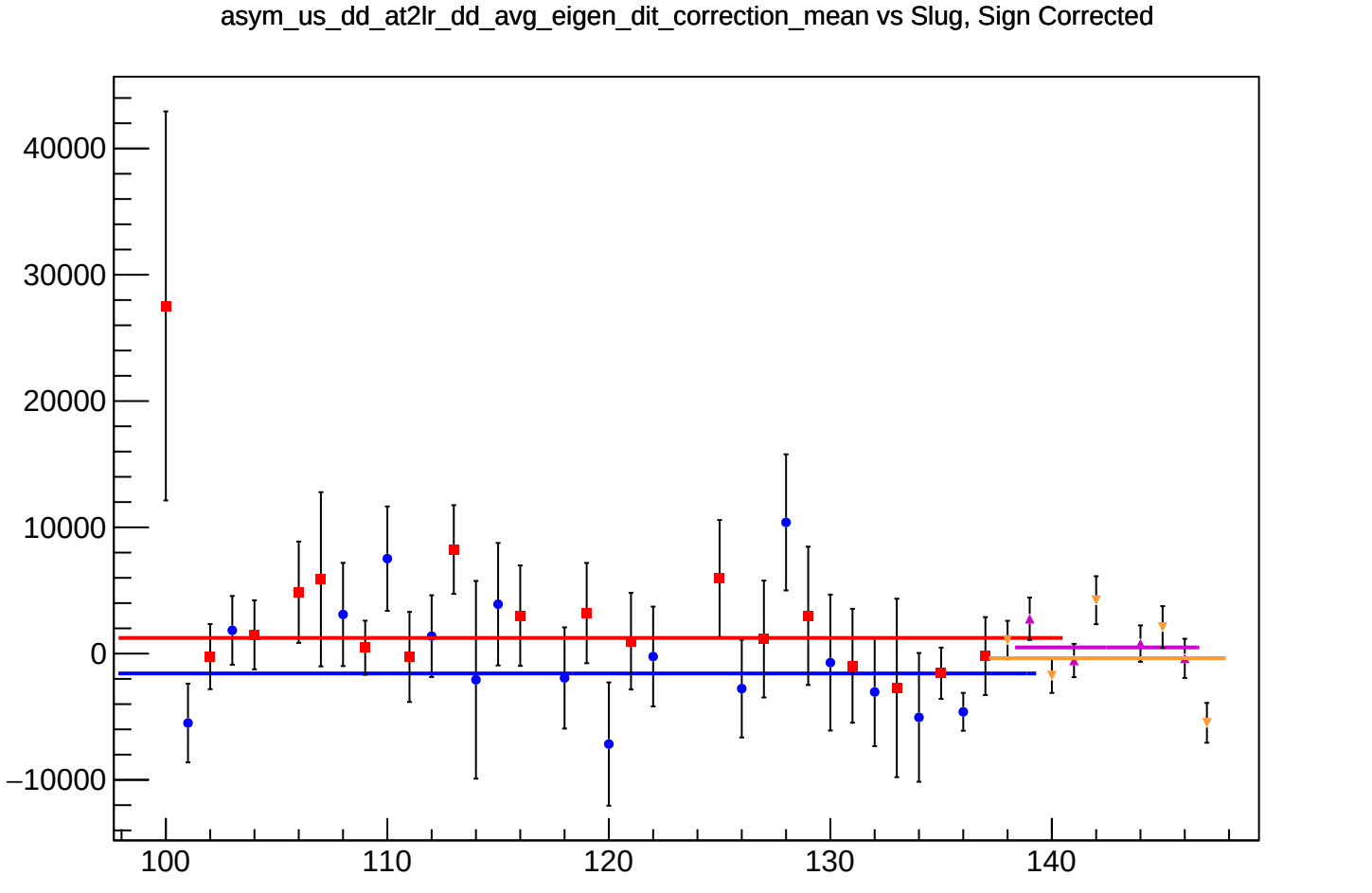
Left: 2281.828+/-0.600 χ^2/NDF: 23280.5/8

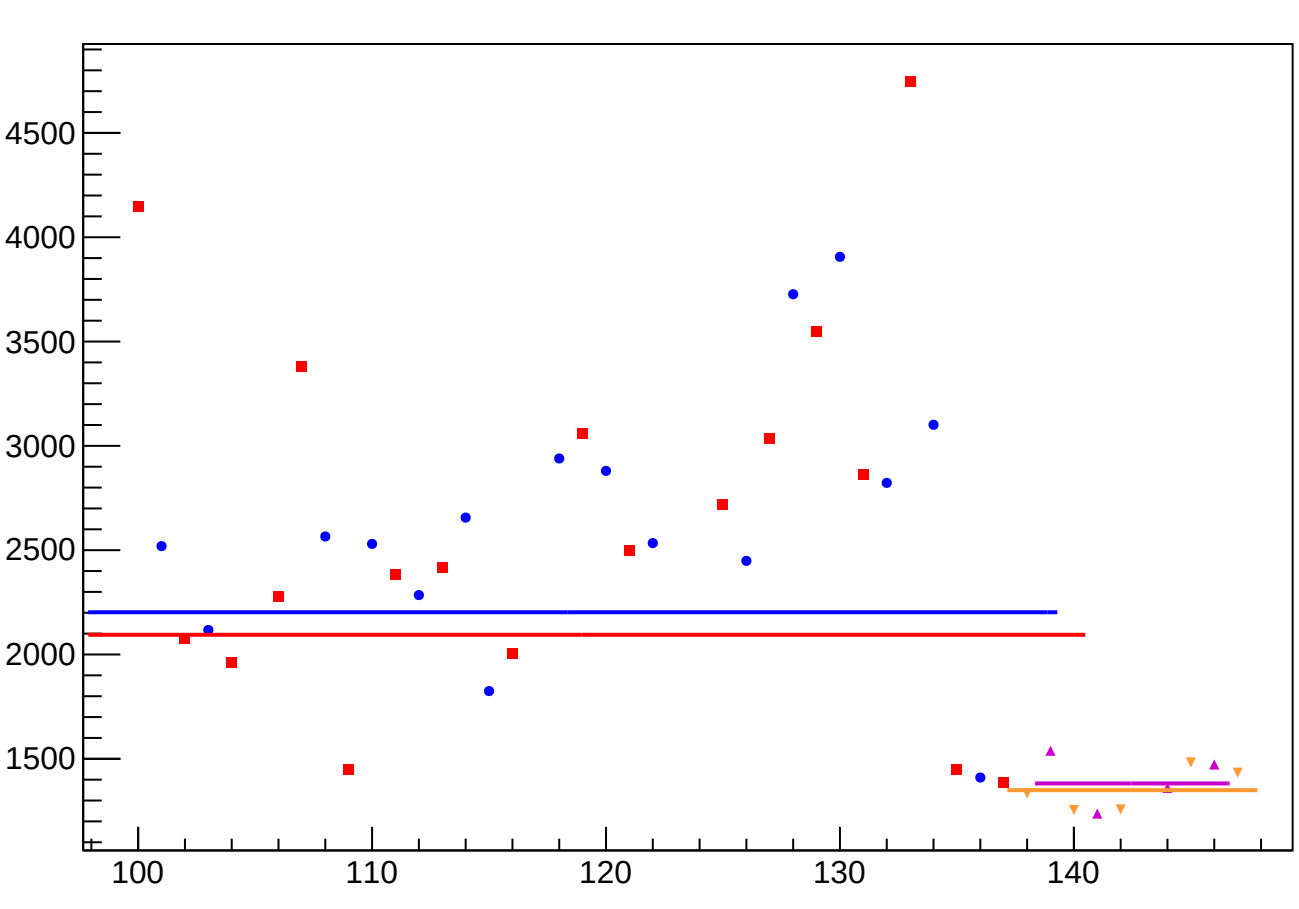
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2178.142+/-0.472 χ^2/NDF:208927.6/19

Out: 2167.268+/-0.467 χ^2/NDF:201560.9/22

All: 2172.649+/-0.332 χ^2/NDF: 410756.7/42


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
Right In: -1571.058+/-859.757 χ²/NDF: 22.6/15
Left Out: -357.807+/-705.647 χ²/NDF:20.5/4
Right Out: 1241.023+/-819.778 χ²/NDF: 13.1/17
Left In: 490.091+/-739.971 χ²/NDF:2.8/3
Left: 46.022+/-510.671 χ²/NDF: 24.0/8
Right: -98.119+/-593.301 χ²/NDF: 41.3/33
In: -387.007+/-560.848 χ²/NDF:28.7/19
Out: 322.650+/-534.805 χ²/NDF:35.8/22
All: -15.320+/-387.044 χ²/NDF: 65.3/42



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1349.698+/-0.499 χ^2/NDF:33099.3/4

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1381.877+/-0.523 χ^2/NDF:48754.5/3

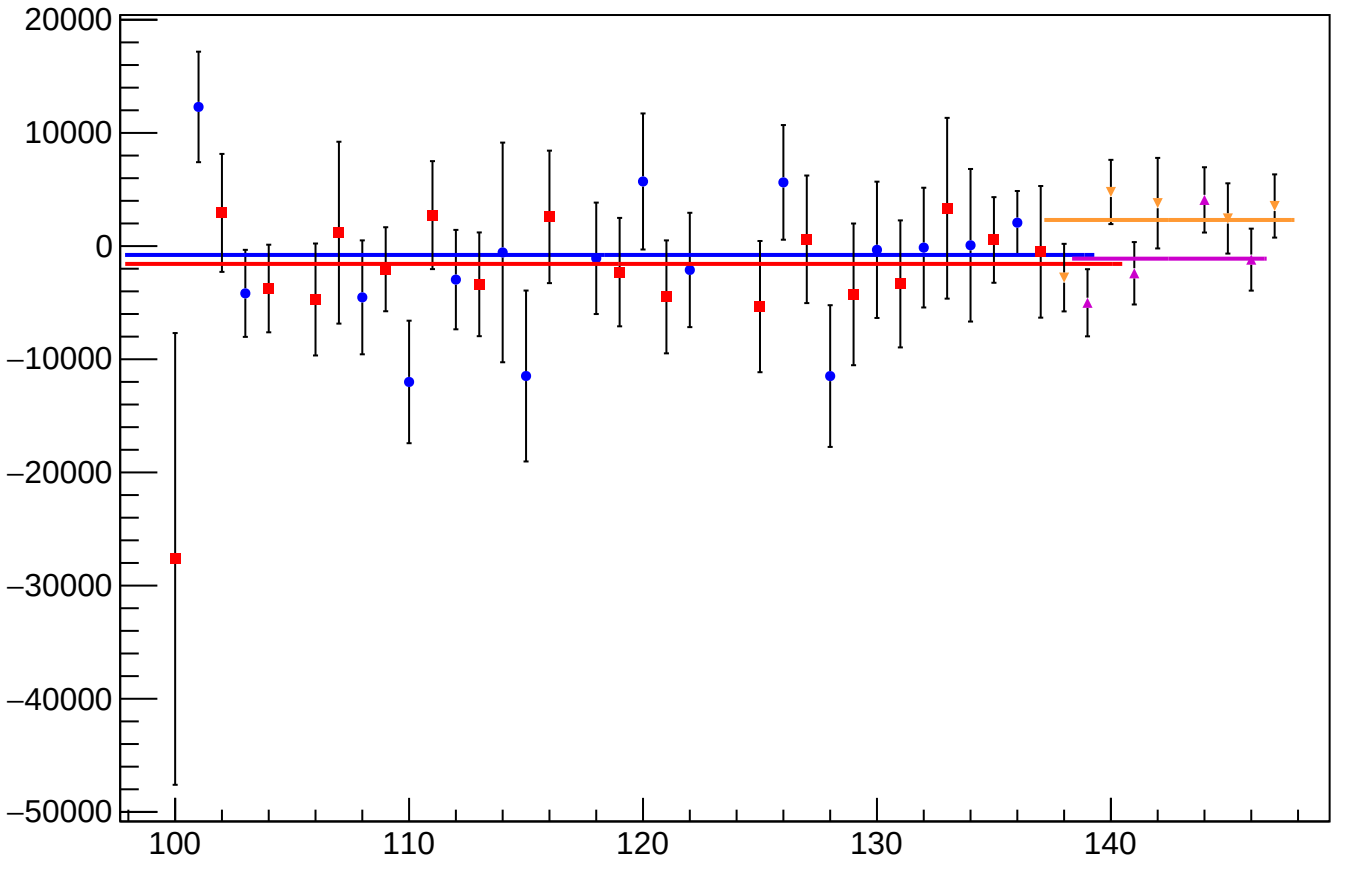
Left: 1365.024+/-0.361 χ^2/NDF: 83834.5/8

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1731.037+/-0.397 χ^2/NDF:2318094.5/19

Out: 1666.665+/-0.378 χ^2/NDF:2354898.4/22

All: 1697.322+/-0.274 χ^2/NDF: 4686792.3/42



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2308.728+/-1372.713 χ^2/NDF:4.0/4

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1111.039+/-1416.377 χ^2/NDF:5.2/3

Left: 652.369+/-985.730 χ^2/NDF: 12.2/8

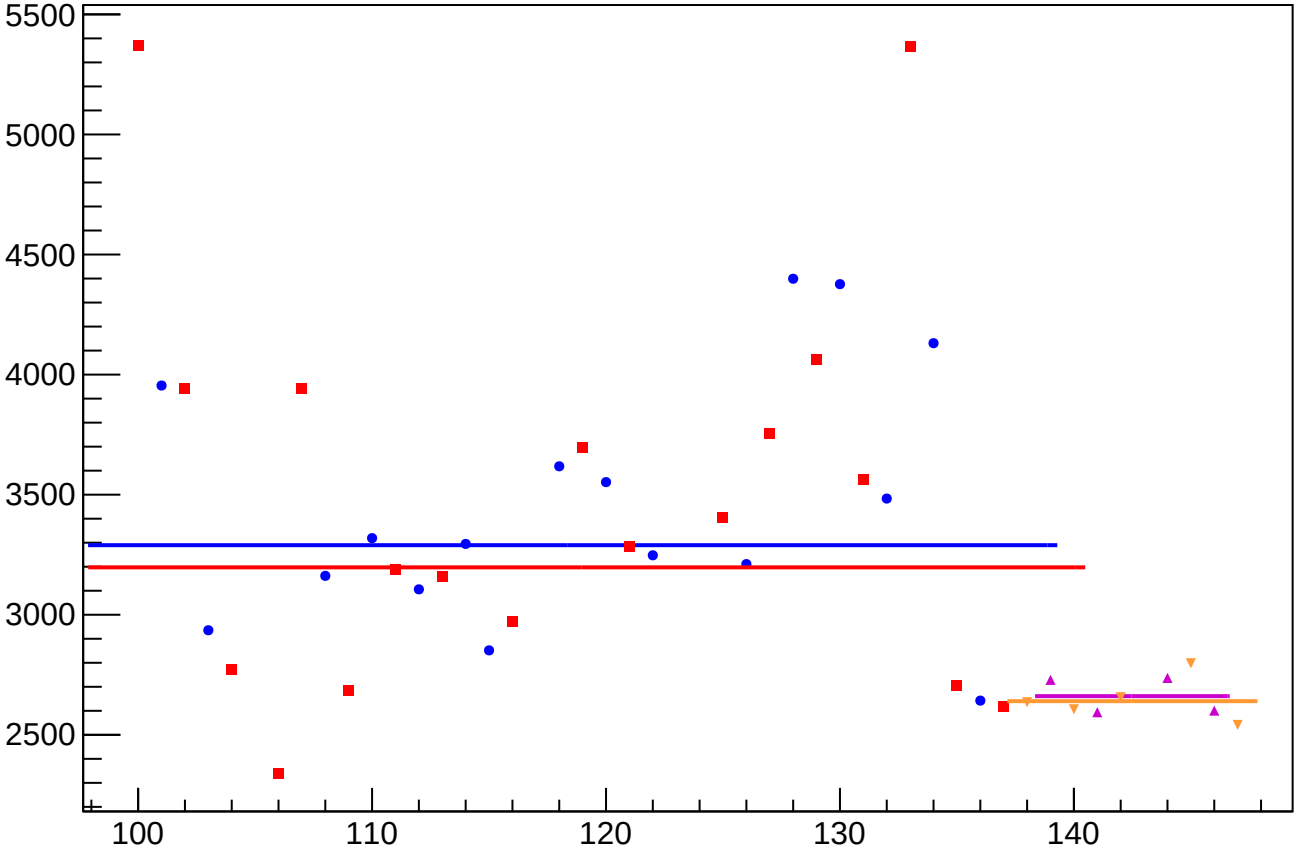
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -924.776+/-933.705 χ^2/NDF:27.1/19

Out: 137.451+/-911.468 χ^2/NDF:15.2/22

All: -380.863+/-652.225 χ^2/NDF: 43.0/42

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2640.186+/-0.971 χ^2/NDF:8001.4/4

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2661.035+/-1.002 χ^2/NDF:4577.0/3

Left: 2650.284+/-0.697 χ^2/NDF: 12801.9/8

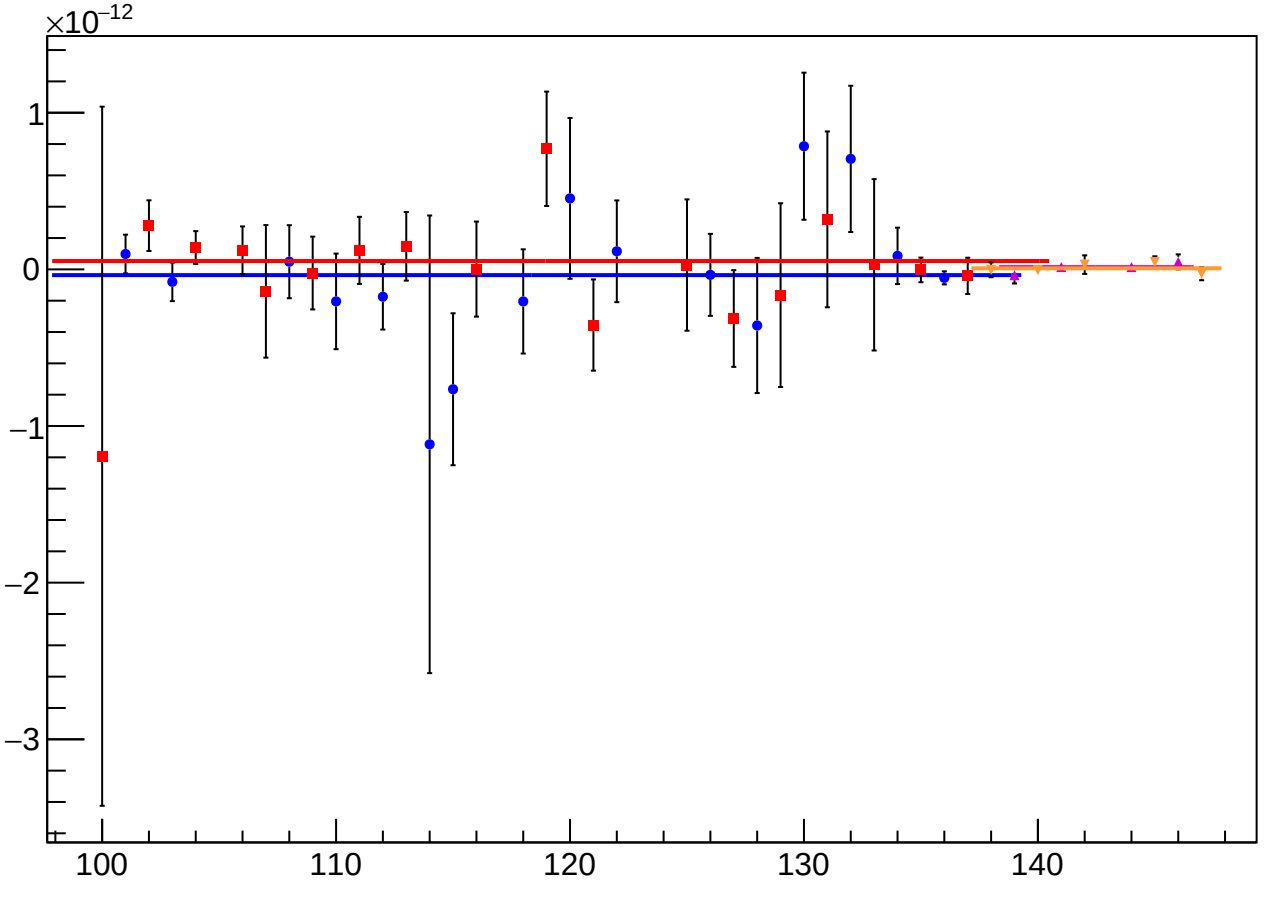
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 3016.495+/-0.660 χ^2/NDF:574949.8/19

Out: 2951.724+/-0.644 χ^2/NDF:692176.0/22

All: 2983.329+/-0.461 χ^2/NDF: 1272054.0/42

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:2.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1.4/3

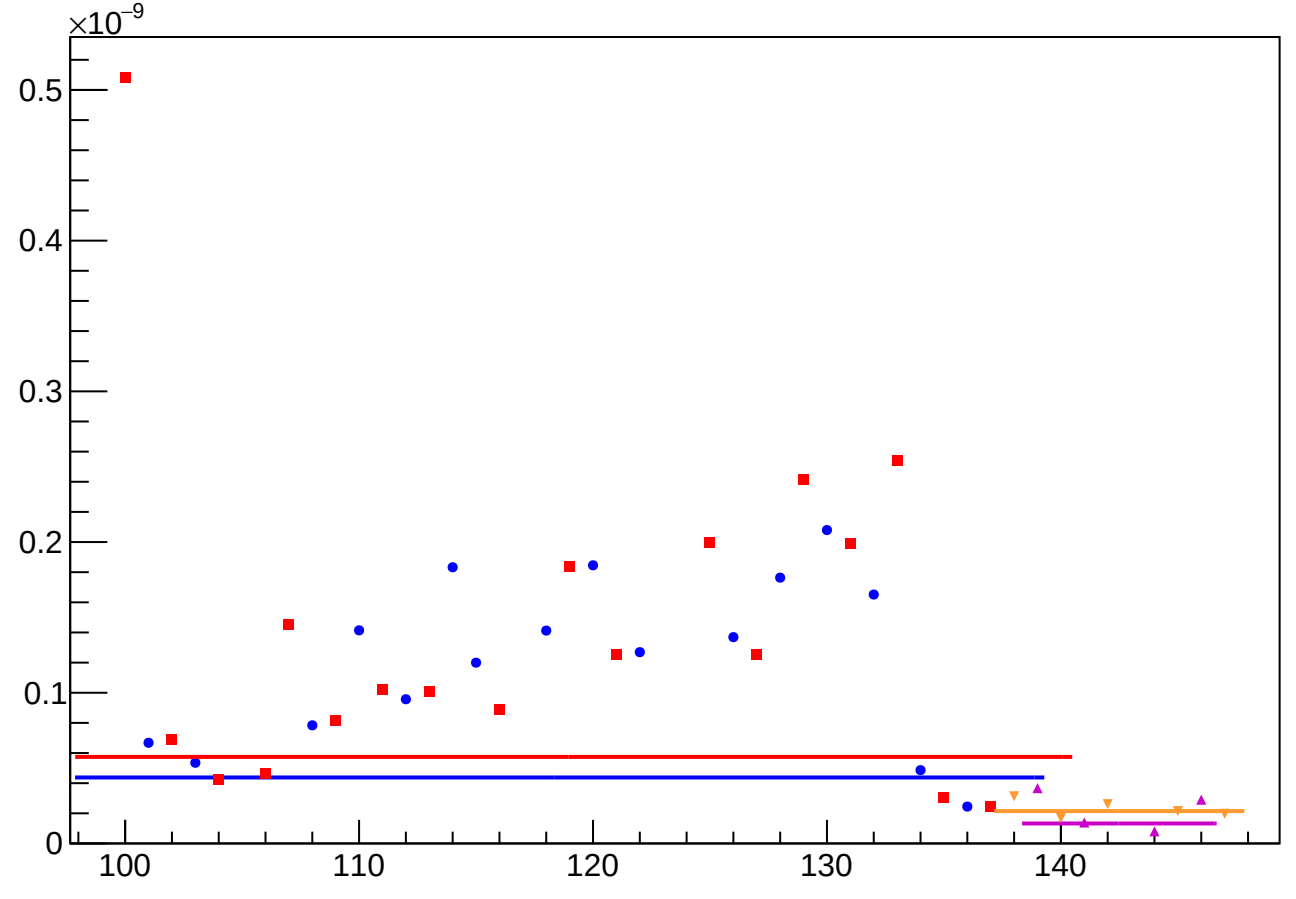
Left: 0.000+/-0.000 χ^2/NDF: 3.7/8

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: 0.000+/-0.000 χ^2/NDF:16.5/19

Out: 0.000+/-0.000 χ^2/NDF:15.7/22

All: 0.000+/-0.000 χ^2/NDF: 32.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:146793.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:777607.9/3

Left: 0.000+/-0.000 χ^2/NDF: 1183168.2/8

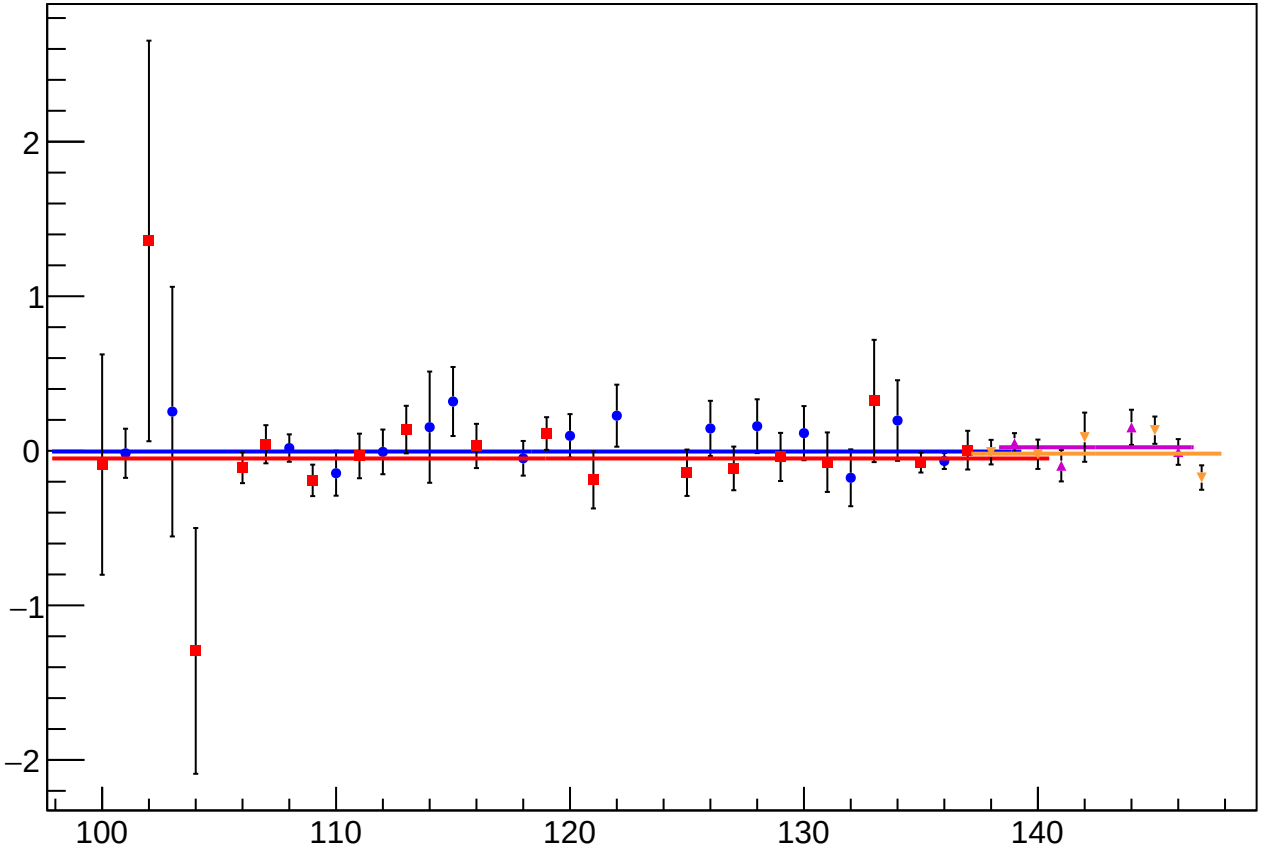
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4357687.2/19

Out: 0.000+/-0.000 χ^2/NDF:3405625.9/22

All: 0.000+/-0.000 χ^2/NDF: 8139808.5/42

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: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.023+/-0.043 χ^2/NDF:3.0/3

Left: 0.002+/-0.030 χ^2/NDF: 10.7/8

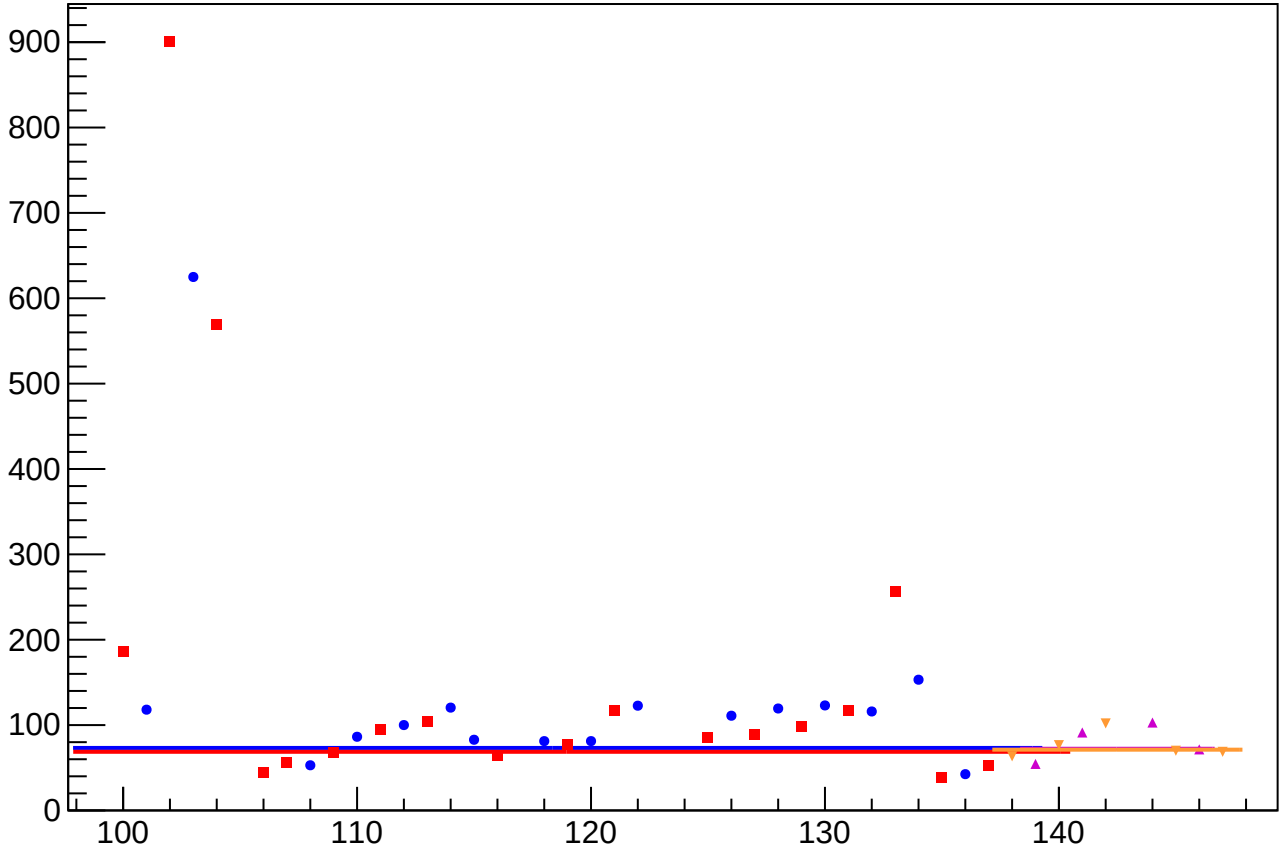
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.005+/-0.026 χ^2/NDF:13.5/19

Out: -0.038+/-0.025 χ^2/NDF:20.6/22

All: -0.017+/-0.018 χ^2/NDF: 35.6/42

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: 71.200+/-0.029 χ^2/NDF:102792.1/4

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.278+/-0.030 χ^2/NDF:362674.6/3

Left: 71.717+/-0.021 χ^2/NDF: 466132.4/8

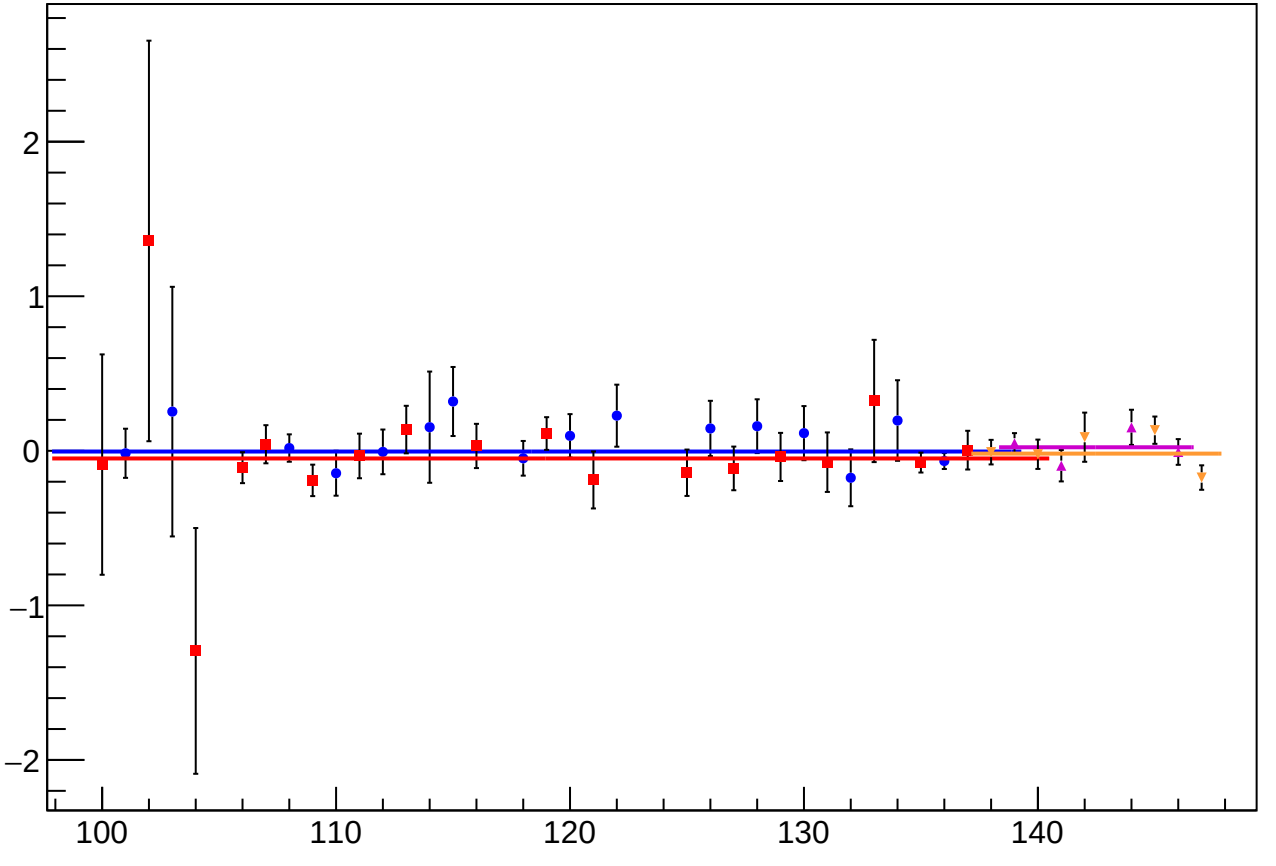
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.887+/-0.018 χ^2/NDF:3217916.8/19

Out: 69.651+/-0.018 χ^2/NDF:3439113.2/22

All: 71.226+/-0.013 χ^2/NDF: 6673289.9/42

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: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.023+/-0.043 χ^2/NDF:3.0/3

Left: 0.002+/-0.030 χ^2/NDF: 10.7/8

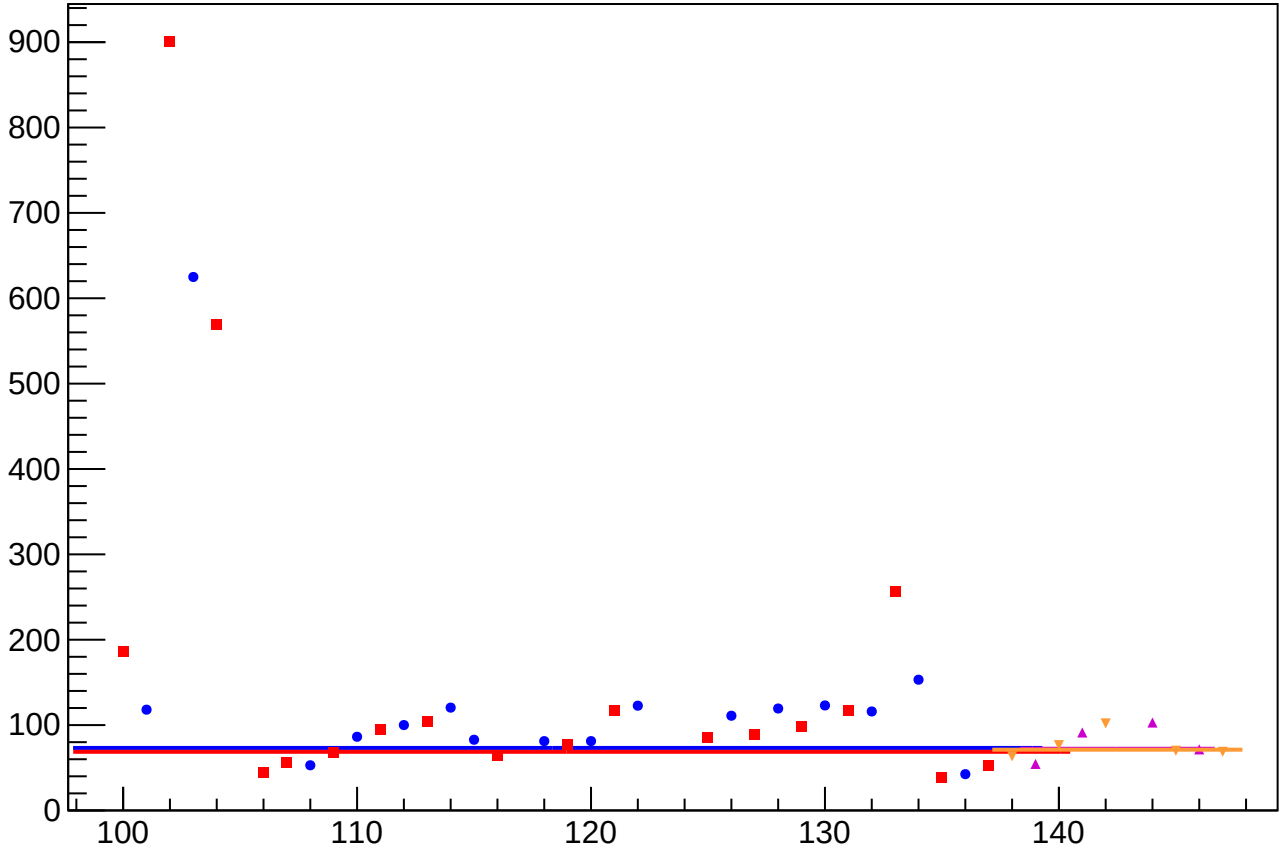
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.005+/-0.026 χ^2/NDF:13.5/19

Out: -0.038+/-0.025 χ^2/NDF:20.6/22

All: -0.017+/-0.018 χ^2/NDF: 35.6/42

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: 71.200+/-0.029 χ^2/NDF:102792.1/4

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.278+/-0.030 χ^2/NDF:362674.6/3

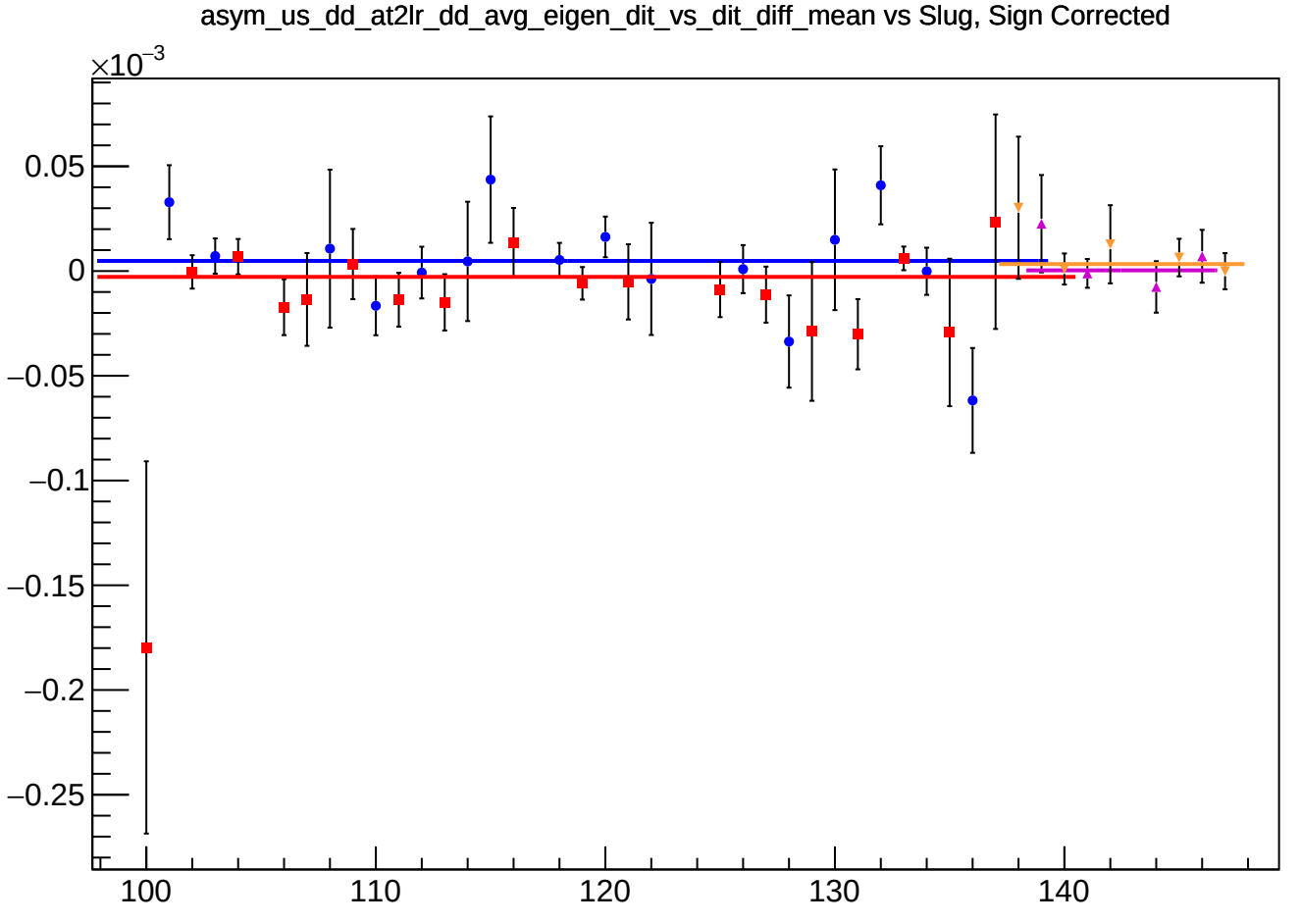
Left: 71.717+/-0.021 χ^2/NDF: 466132.4/8

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.887+/-0.018 χ^2/NDF:3217916.8/19

Out: 69.651+/-0.018 χ^2/NDF:3439113.2/22

All: 71.226+/-0.013 χ^2/NDF: 6673289.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/4

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

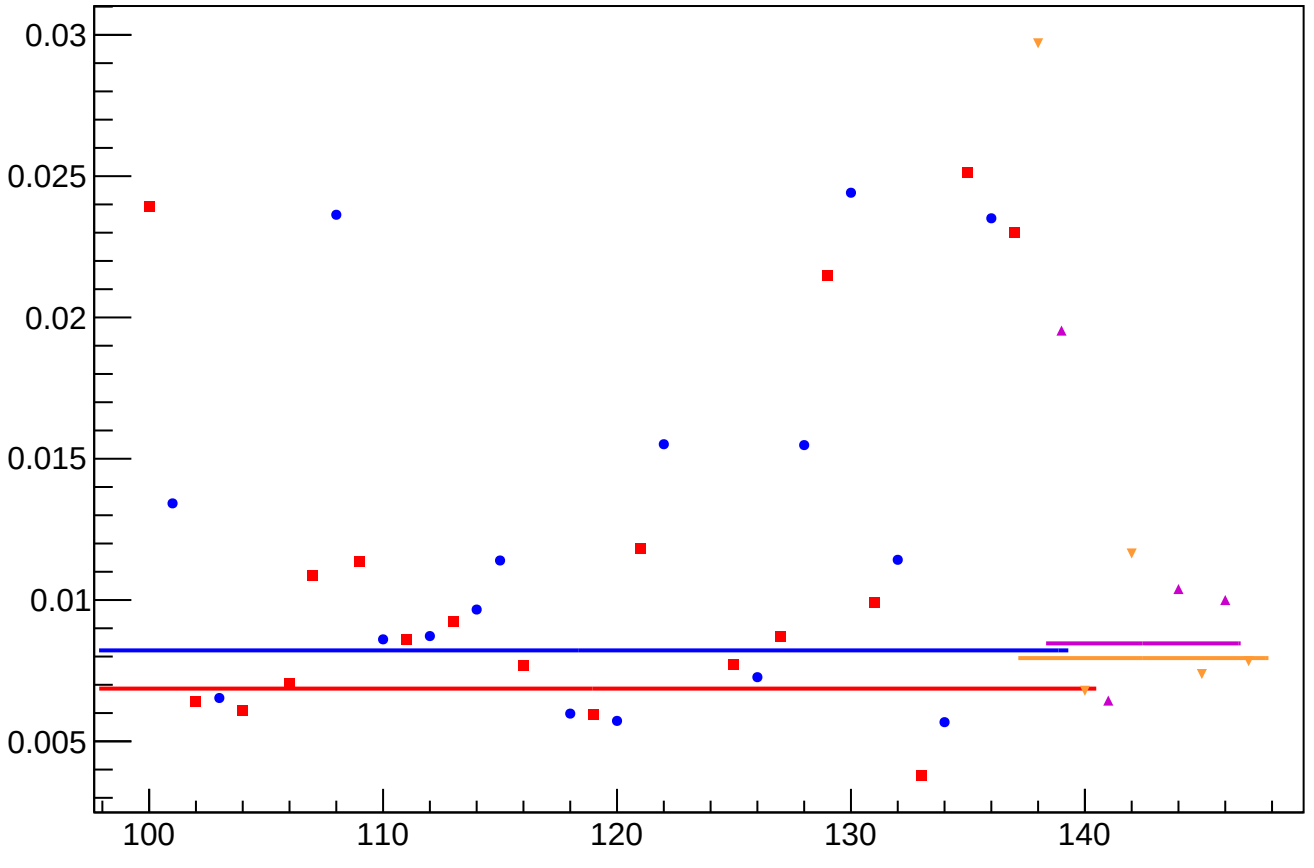
Left: 0.000+/-0.000 χ^2/NDF: 3.1/8

Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:24.8/19

Out: -0.000+/-0.000 χ^2/NDF:19.3/22

All: 0.000+/-0.000 χ^2/NDF: 45.5/42



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:957739.9/4

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.008+/-0.000 χ^2/NDF:706114.4/3

Left: 0.008+/-0.000 χ^2/NDF: 1674959.6/8

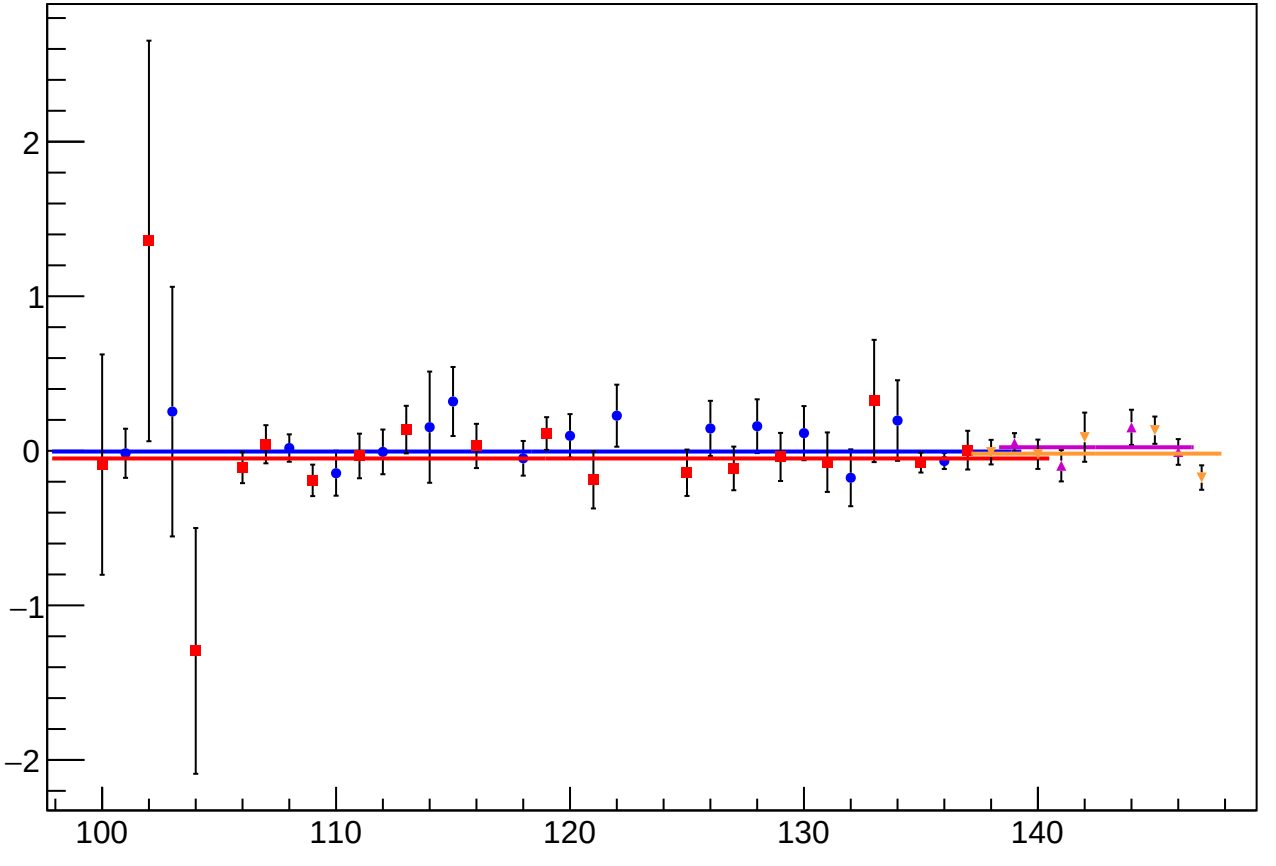
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3365351.3/19

Out: 0.007+/-0.000 χ^2/NDF:3464684.0/22

All: 0.008+/-0.000 χ^2/NDF: 7008224.4/42

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: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.023+/-0.043 χ^2/NDF:3.0/3

Left: 0.002+/-0.030 χ^2/NDF: 10.7/8

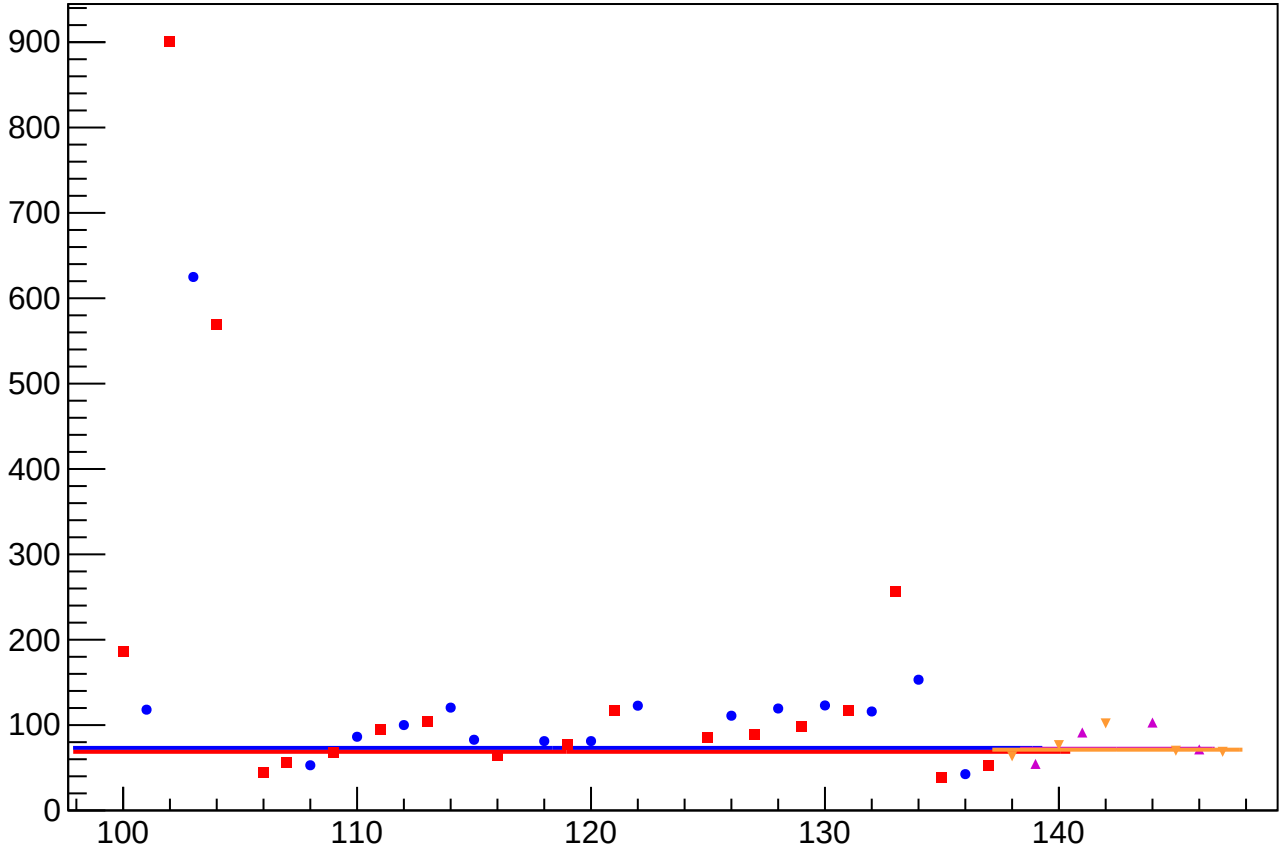
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.005+/-0.026 χ^2/NDF:13.5/19

Out: -0.038+/-0.025 χ^2/NDF:20.6/22

All: -0.017+/-0.018 χ^2/NDF: 35.6/42

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: 71.201+/-0.029 χ^2/NDF:102795.6/4

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.285+/-0.030 χ^2/NDF:362408.4/3

Left: 71.721+/-0.021 χ^2/NDF: 465875.9/8

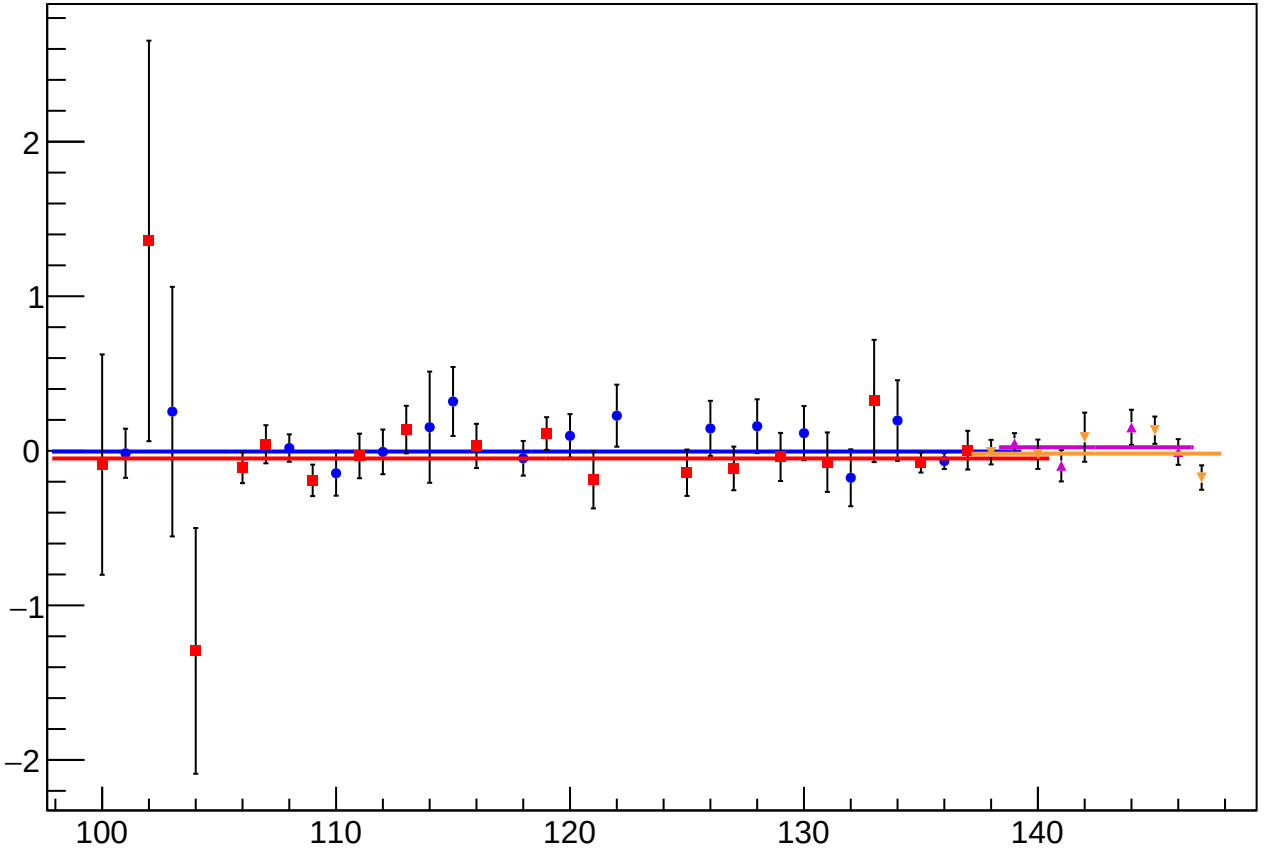
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.905+/-0.018 χ^2/NDF:3215380.7/19

Out: 69.644+/-0.018 χ^2/NDF:3440165.7/22

All: 71.232+/-0.013 χ^2/NDF: 6672055.0/42

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: -0.018+/-0.041 χ^2/NDF:7.2/4

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.023+/-0.043 χ^2/NDF:3.0/3

Left: 0.002+/-0.030 χ^2/NDF: 10.7/8

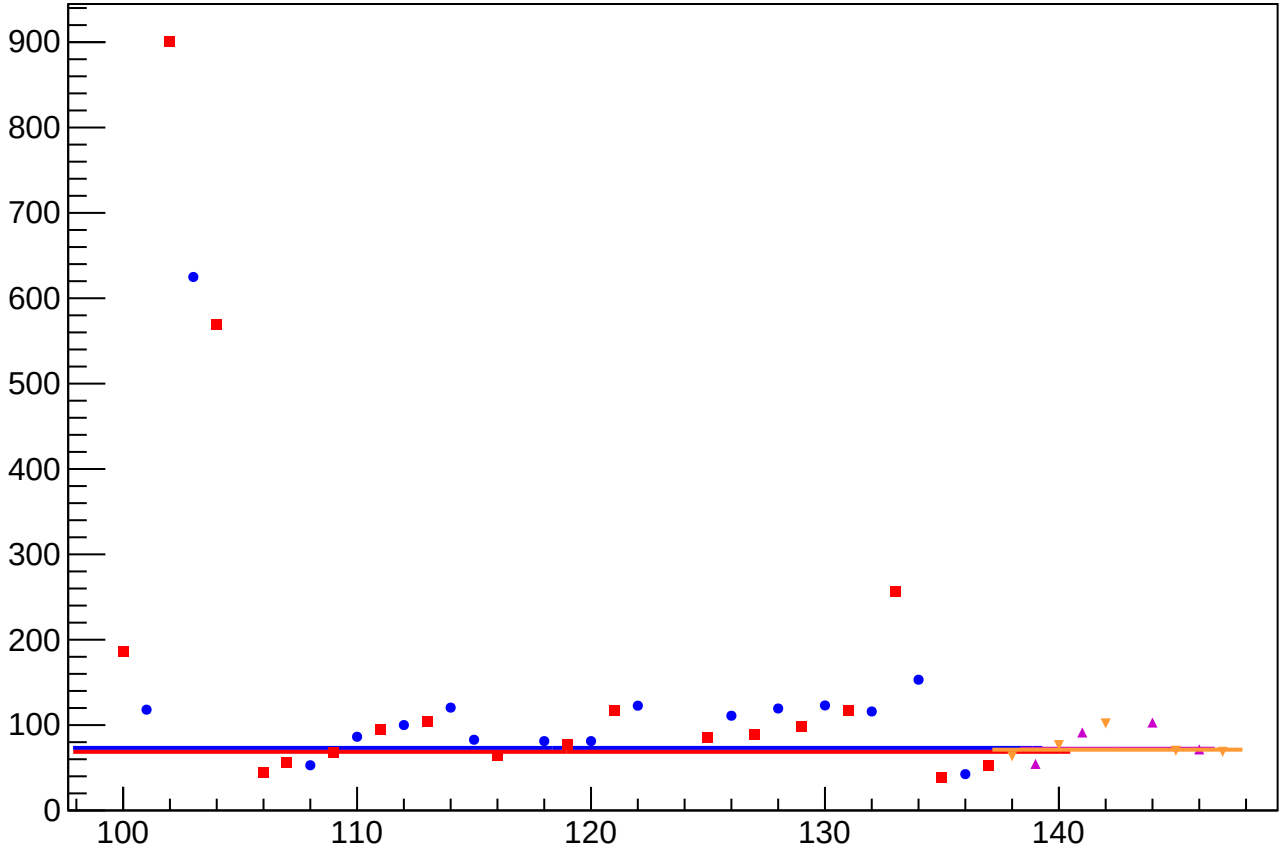
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.005+/-0.026 χ^2/NDF:13.5/19

Out: -0.038+/-0.025 χ^2/NDF:20.6/22

All: -0.017+/-0.018 χ^2/NDF: 35.6/42

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 71.201+/-0.029 χ^2/NDF:102795.6/4

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.285+/-0.030 χ^2/NDF:362408.4/3

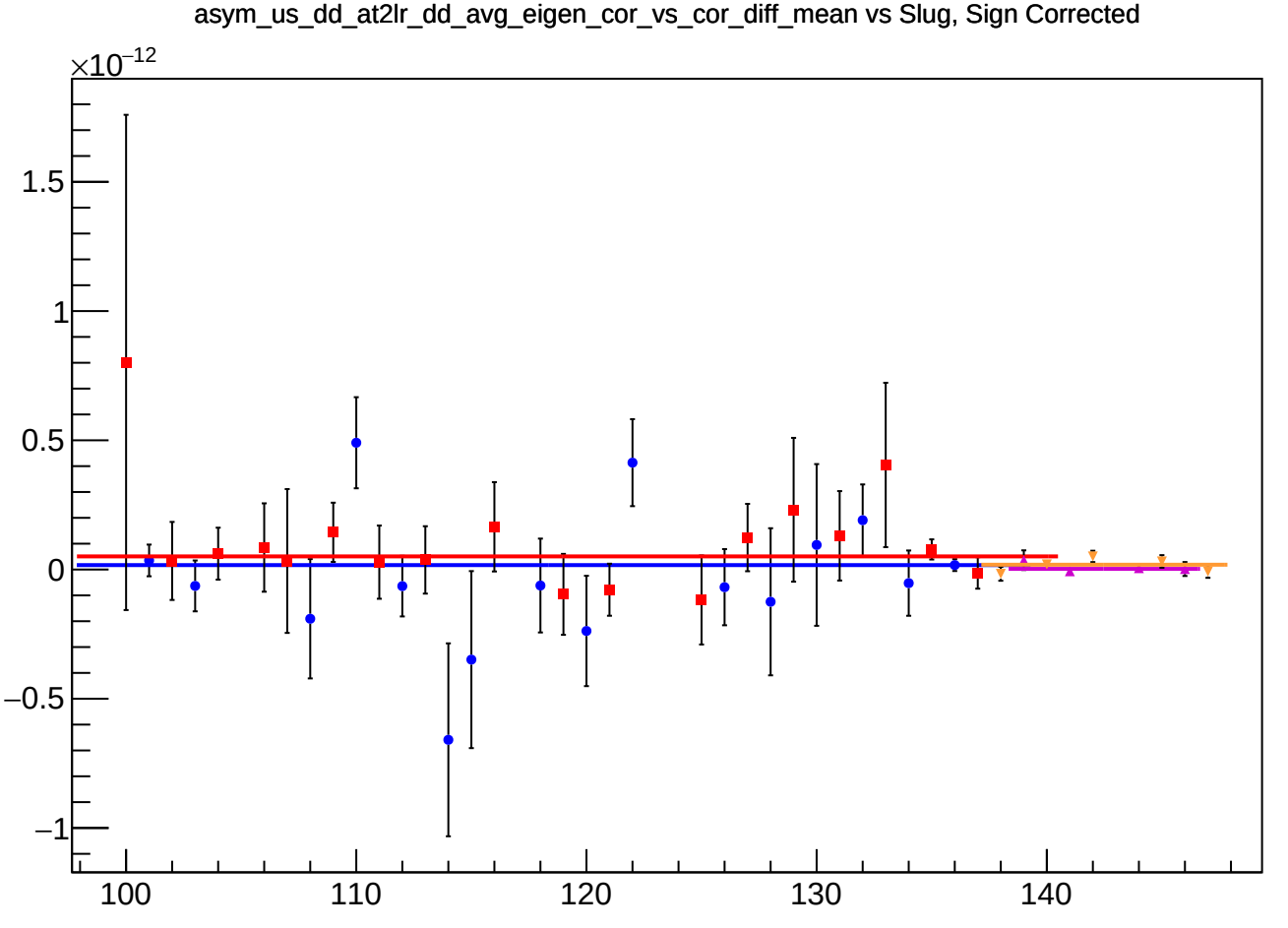
Left: 71.721+/-0.021 χ^2/NDF: 465875.9/8

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.905+/-0.018 χ^2/NDF:3215380.7/19

Out: 69.644+/-0.018 χ^2/NDF:3440165.7/22

All: 71.232+/-0.013 χ^2/NDF: 6672055.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

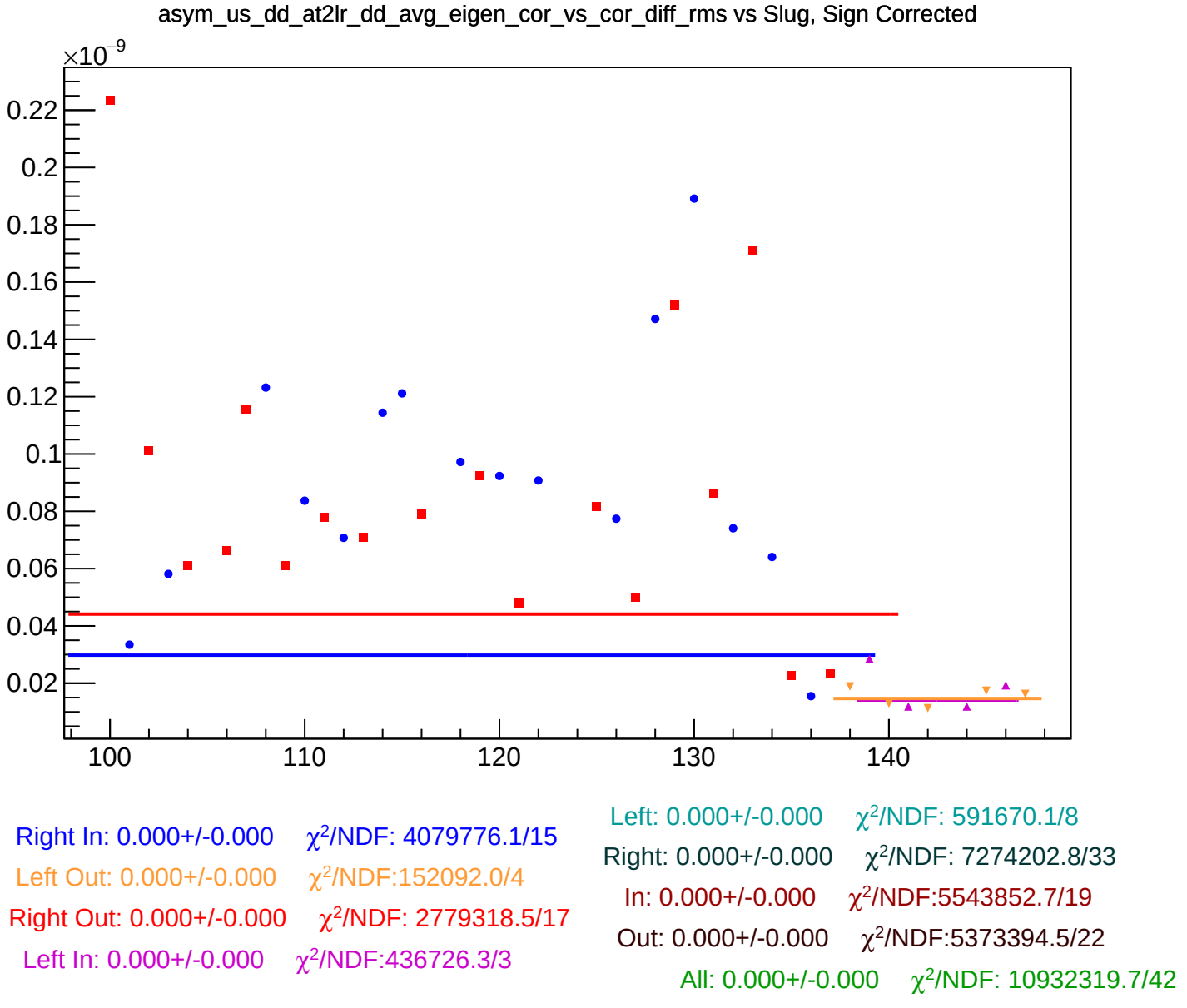
Left: 0.000+/-0.000 χ^2/NDF: 7.7/8

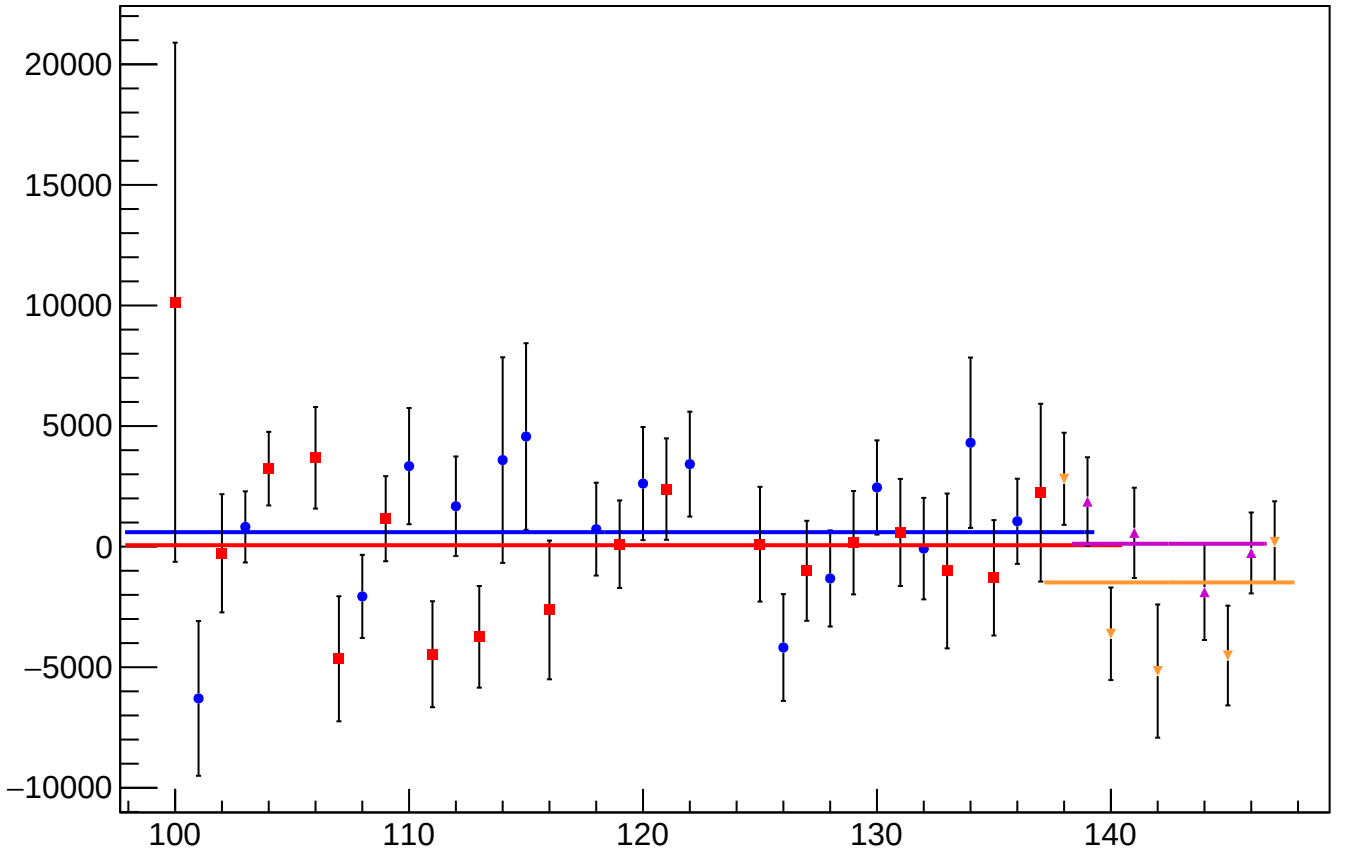
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:24.9/19

Out: 0.000+/-0.000 χ^2/NDF:15.8/22

All: 0.000+/-0.000 χ^2/NDF: 42.6/42


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:152092.0/4
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:436726.3/3
Left: 0.000+/-0.000 χ²/NDF: 591670.1/8
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5543852.7/19
Out: 0.000+/-0.000 χ²/NDF:5373394.5/22
All: 0.000+/-0.000 χ²/NDF: 10932319.7/42



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1483.845+/-890.110 χ^2/NDF:11.2/4

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 119.985+/-916.187 χ^2/NDF:2.0/3

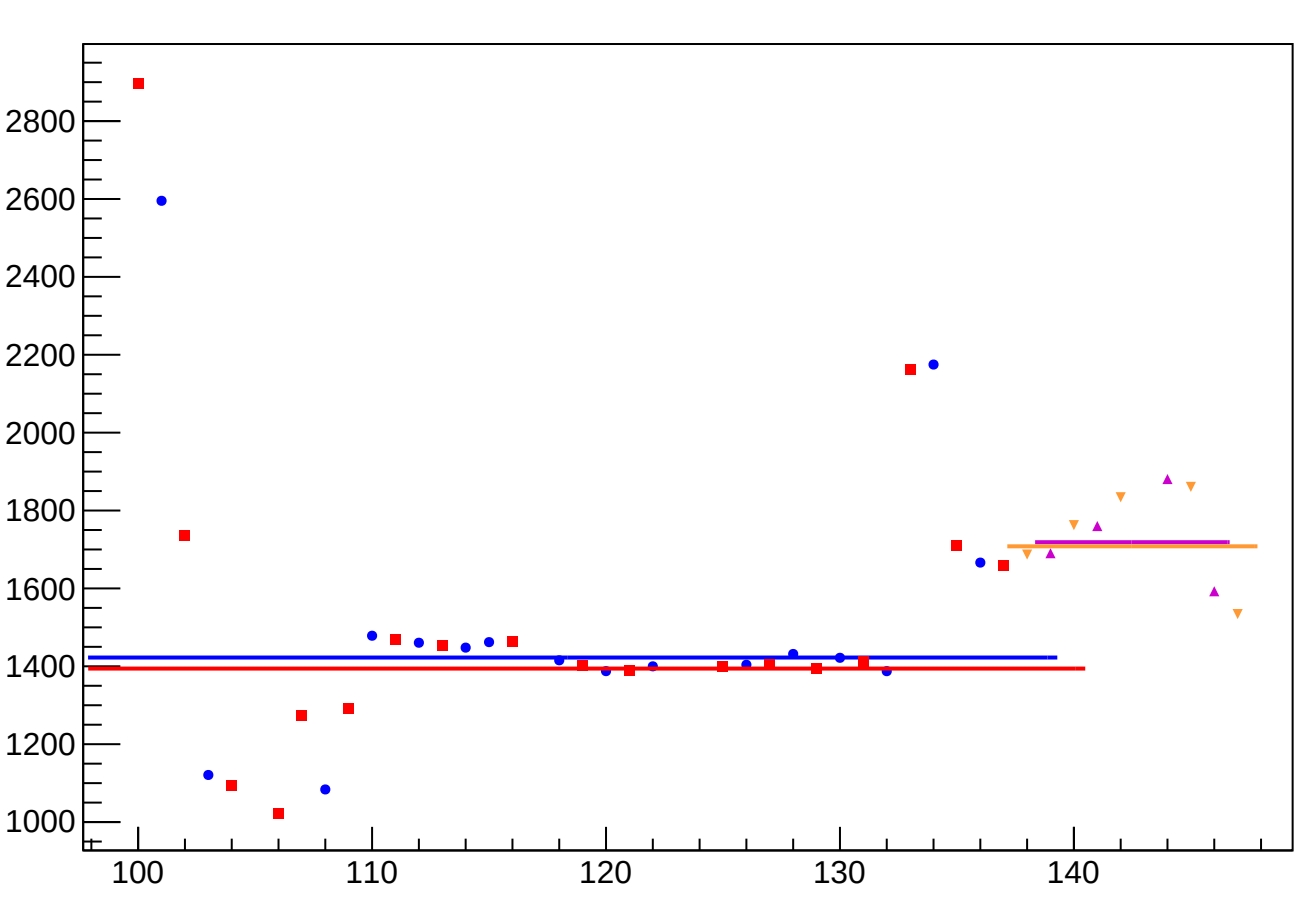
Left: -705.079+/-638.423 χ^2/NDF: 14.8/8

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 476.331+/-465.242 χ^2/NDF:22.6/19

Out: -344.992+/-455.517 χ^2/NDF:36.0/22

All: 56.996+/-325.483 χ^2/NDF: 60.1/42



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1708.101+/-0.629 χ^2/NDF:38189.6/4

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

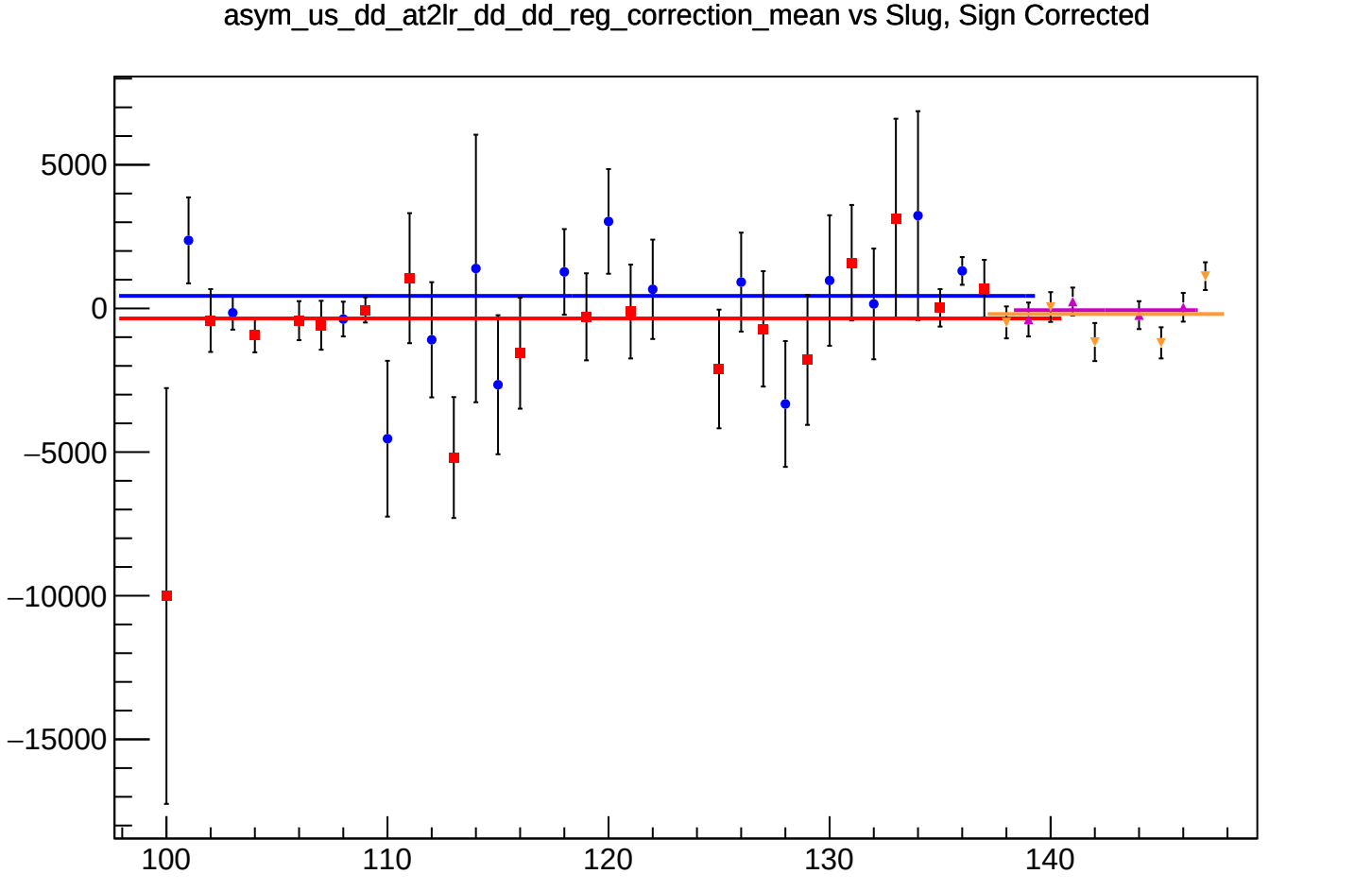
Left: 1713.244+/-0.451 χ^2/NDF: 64449.4/8

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1498.888+/-0.329 χ^2/NDF:741496.9/19

Out: 1476.386+/-0.322 χ^2/NDF:615479.6/22

All: 1487.400+/-0.230 χ^2/NDF: 1359365.3/42



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: -194.765+/-243.042 χ^2/NDF:13.5/4

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -60.463+/-255.590 χ^2/NDF:0.8/3

Left: -130.992+/-176.126 χ^2/NDF: 14.5/8

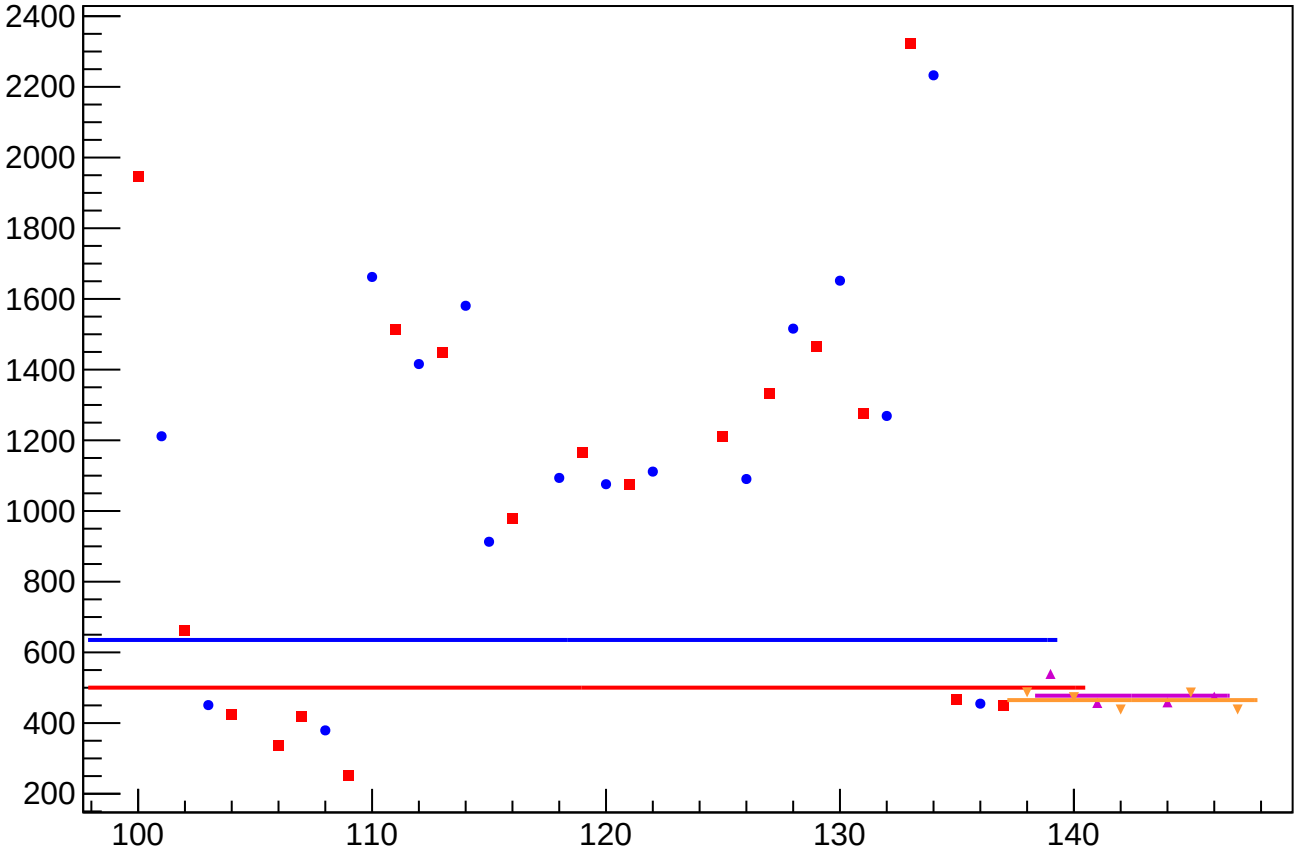
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 169.045+/-187.504 χ^2/NDF:21.9/19

Out: -274.664+/-168.473 χ^2/NDF:27.7/22

All: -76.463+/-125.318 χ^2/NDF: 52.7/42

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: 464.976+/-0.172 χ^2/NDF:16042.1/4

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 477.485+/-0.181 χ^2/NDF:28441.9/3

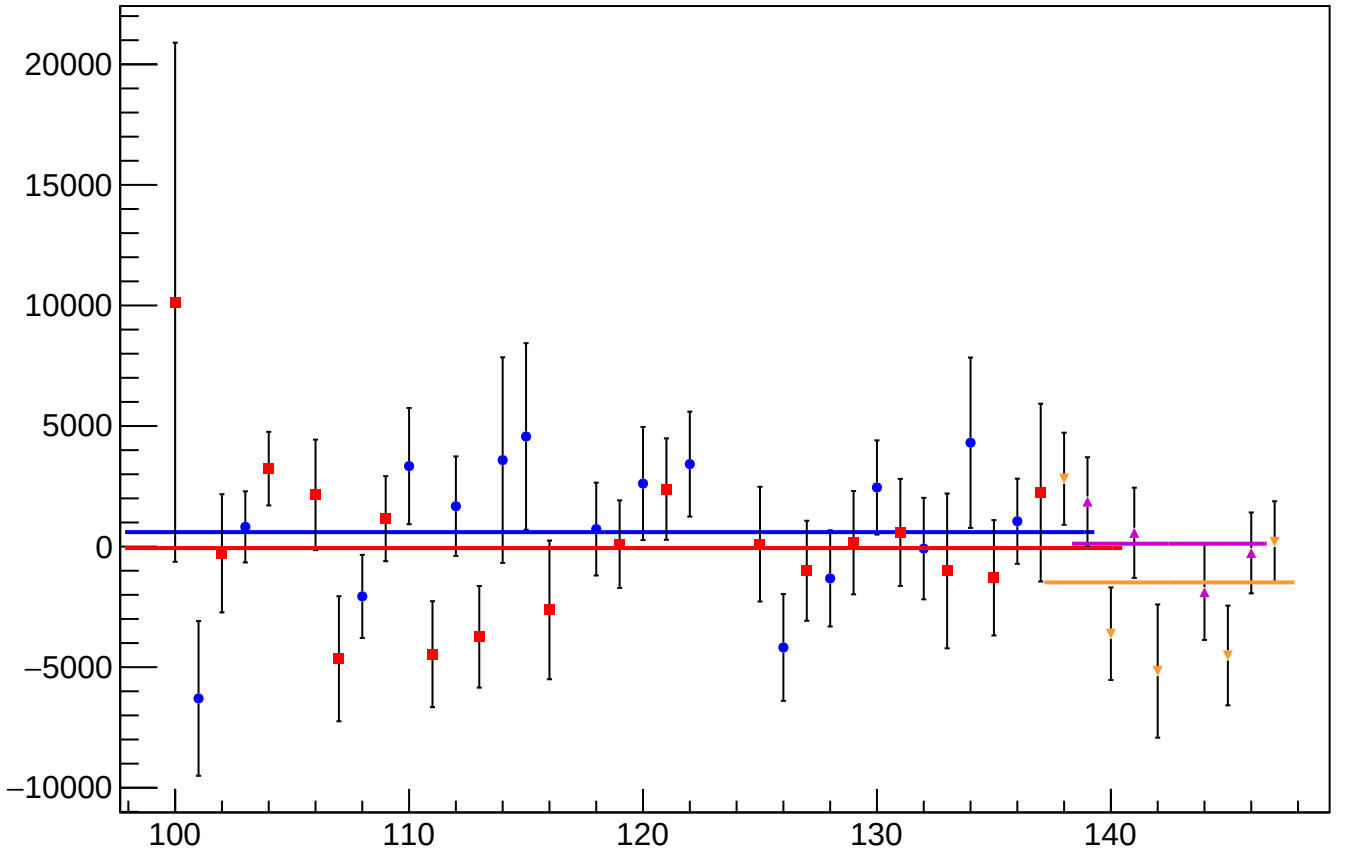
Left: 470.916+/-0.125 χ^2/NDF: 46999.6/8

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 550.290+/-0.133 χ^2/NDF:4132420.3/19

Out: 483.291+/-0.119 χ^2/NDF:4346997.2/22

All: 513.219+/-0.089 χ^2/NDF: 8620706.3/42



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1484.001+/-890.110 χ^2/NDF:11.2/4

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 120.041+/-916.187 χ^2/NDF:2.0/3

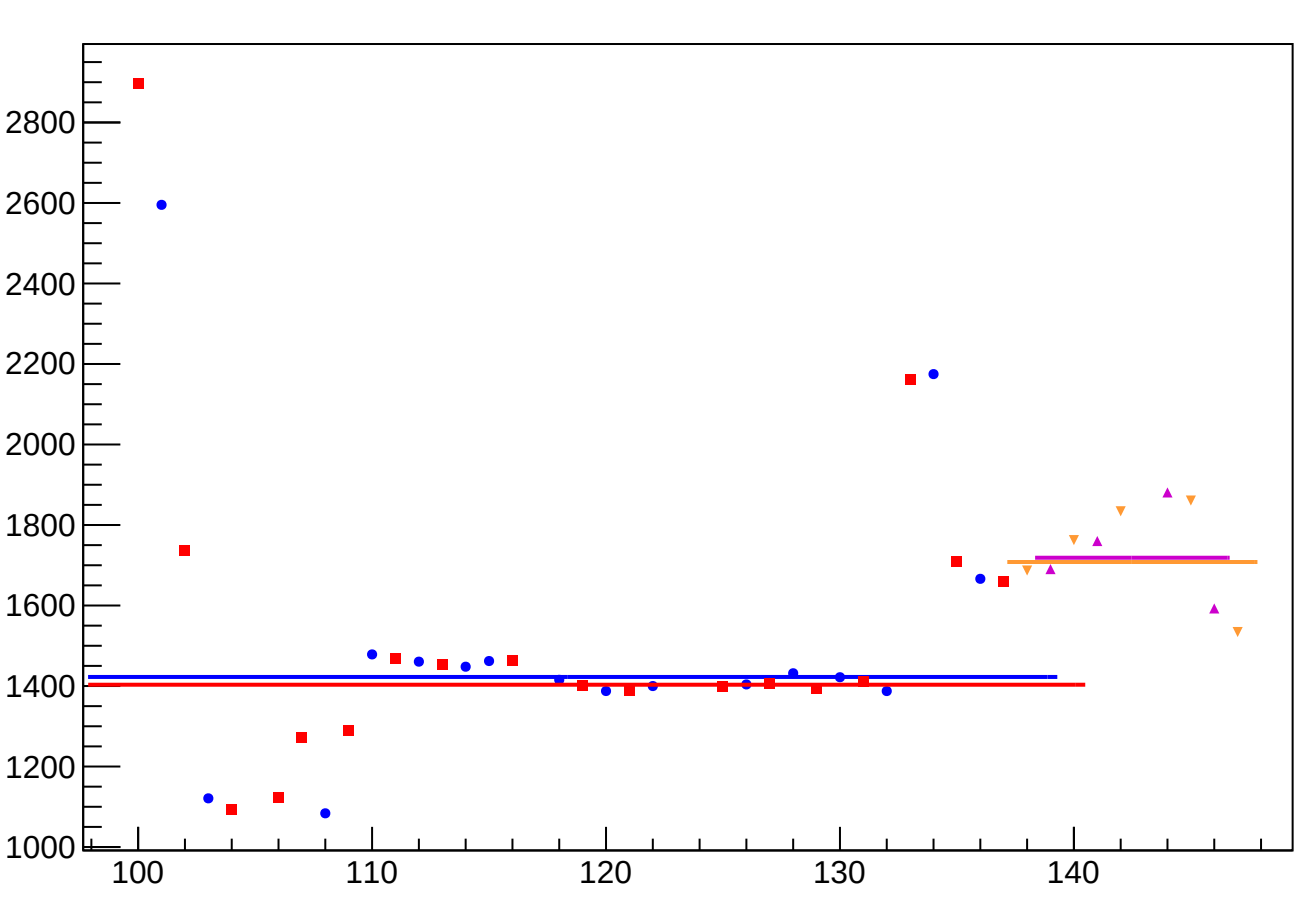
Left: -705.133+/-638.423 χ^2/NDF: 14.8/8

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 476.251+/-465.242 χ^2/NDF:22.6/19

Out: -435.921+/-457.176 χ^2/NDF:33.5/22

All: 12.189+/-326.086 χ^2/NDF: 58.0/42



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1708.101+/-0.629 χ^2/NDF:38189.6/4

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

Left: 1713.244+/-0.451 χ^2/NDF: 64449.4/8

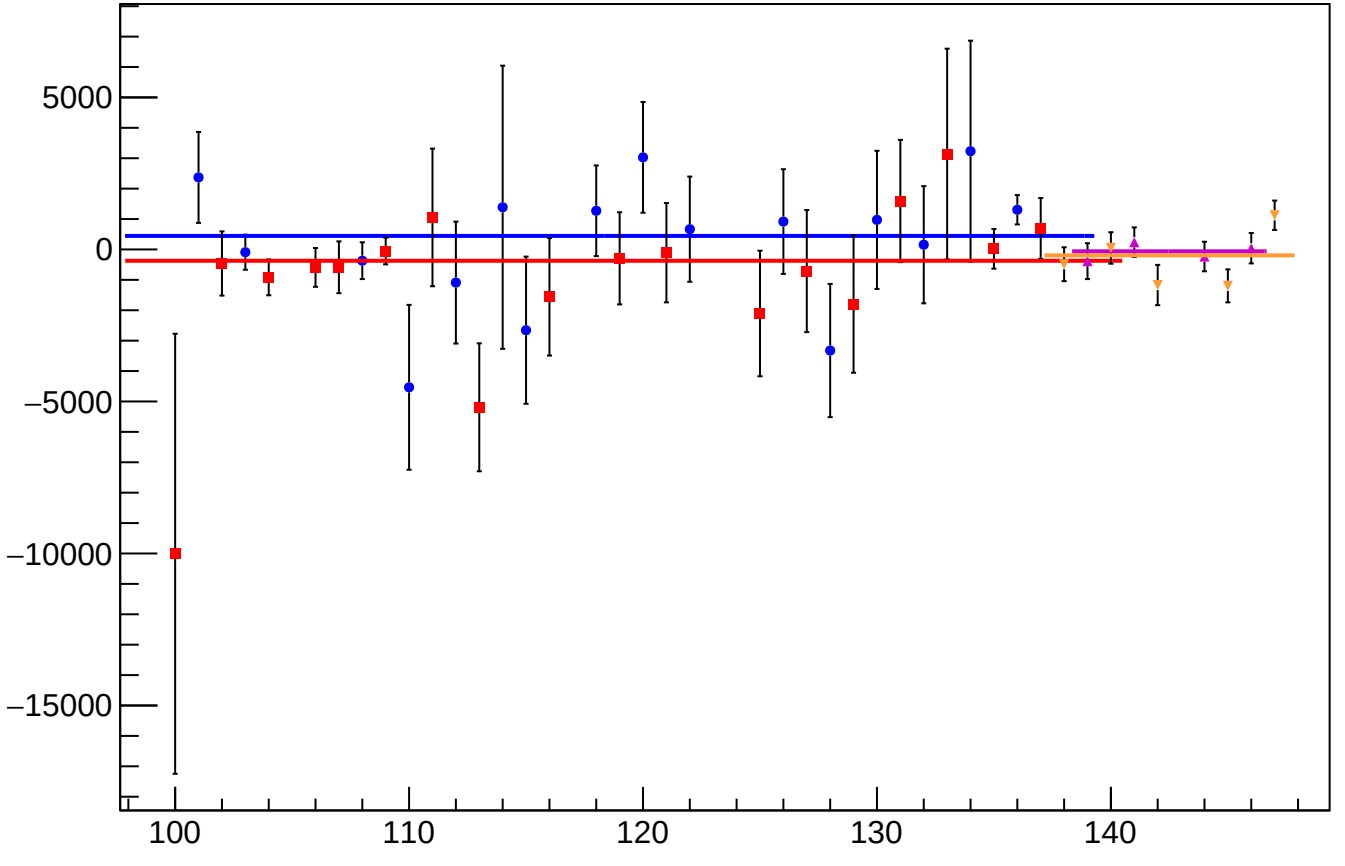
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1498.888+/-0.329 χ^2/NDF:741497.3/19

Out: 1483.648+/-0.323 χ^2/NDF:570045.6/22

All: 1491.135+/-0.231 χ^2/NDF: 1312634.8/42

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: -194.865+/-243.051 χ^2/NDF:13.5/4

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -60.621+/-255.588 χ^2/NDF:0.8/3

Left: -131.116+/-176.128 χ^2/NDF: 14.5/8

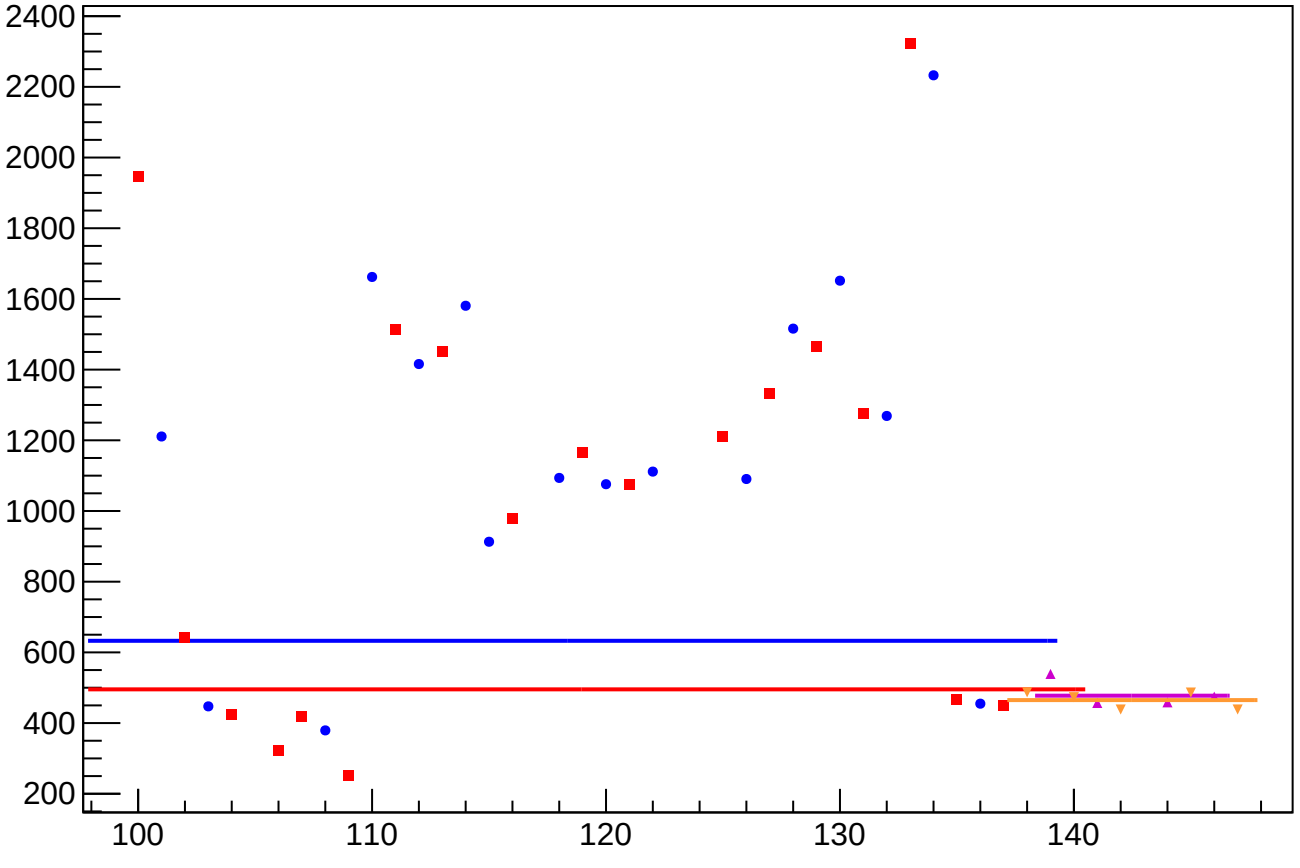
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 174.012+/-187.132 χ^2/NDF:21.8/19

Out: -288.080+/-167.574 χ^2/NDF:27.8/22

All: -82.435+/-124.837 χ^2/NDF: 53.1/42

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: 464.995+/-0.172 χ^2/NDF:16031.3/4

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 477.479+/-0.181 χ^2/NDF:28441.9/3

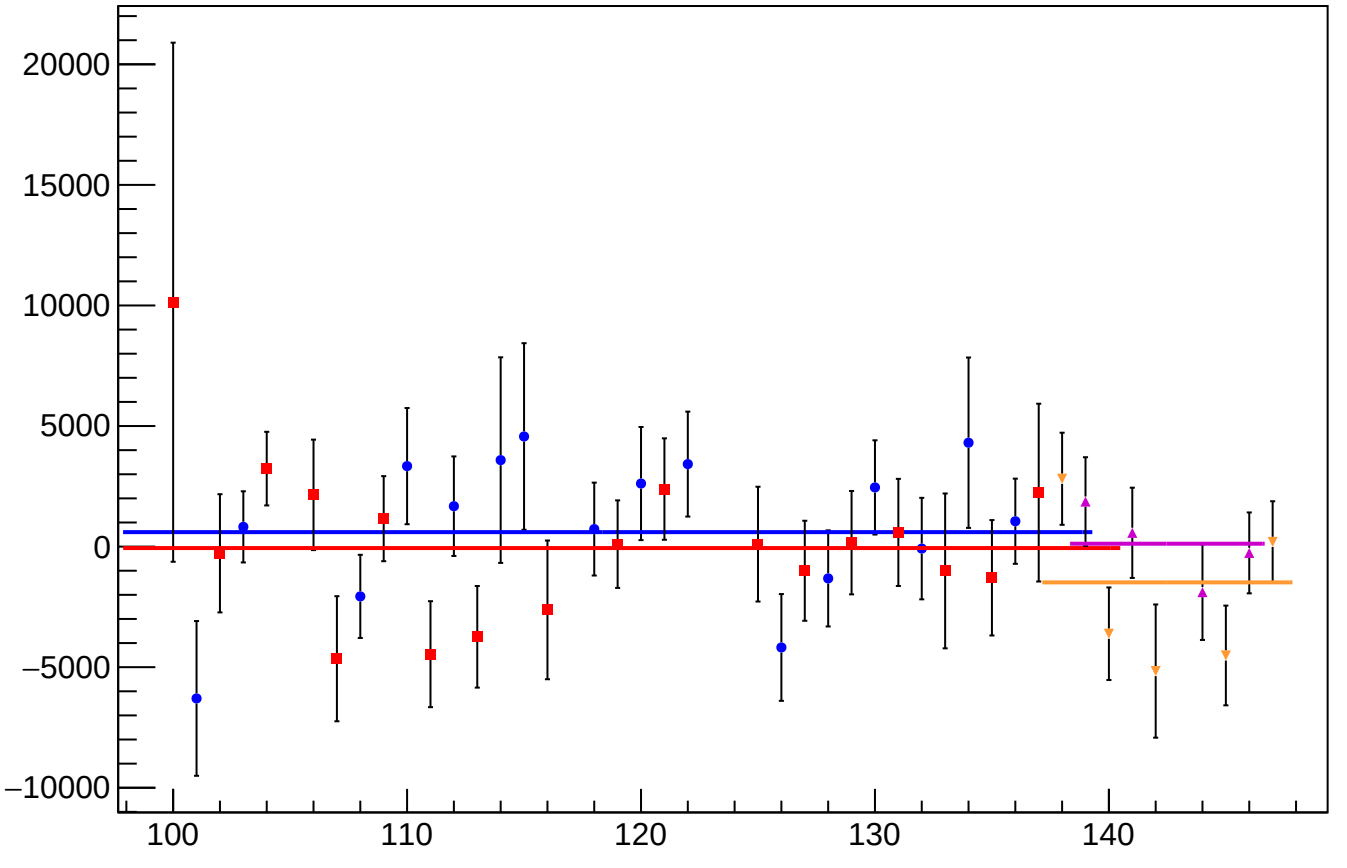
Left: 470.924+/-0.125 χ^2/NDF: 46978.9/8

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 549.517+/-0.132 χ^2/NDF:4138629.2/19

Out: 480.937+/-0.118 χ^2/NDF:4369914.6/22

All: 511.457+/-0.088 χ^2/NDF: 8657617.5/42



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -1484.001+/-890.110 χ^2/NDF:11.2/4

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 120.041+/-916.187 χ^2/NDF:2.0/3

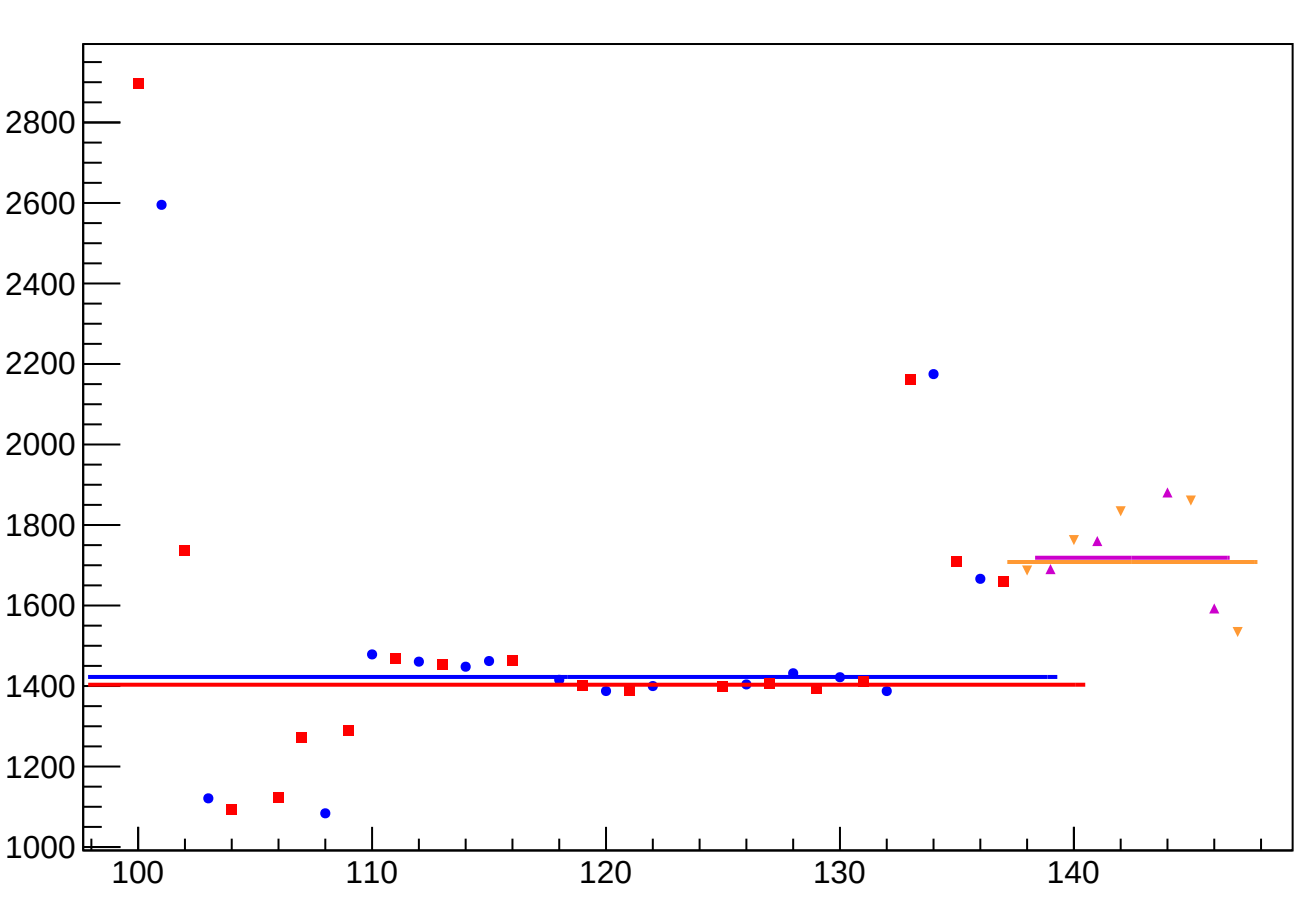
Left: -705.133+/-638.423 χ^2/NDF: 14.8/8

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 476.251+/-465.242 χ^2/NDF:22.6/19

Out: -435.921+/-457.176 χ^2/NDF:33.5/22

All: 12.189+/-326.086 χ^2/NDF: 58.0/42



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1708.101+/-0.629 χ^2/NDF:38189.6/4

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1718.694+/-0.648 χ^2/NDF:26122.2/3

Left: 1713.244+/-0.451 χ^2/NDF: 64449.4/8

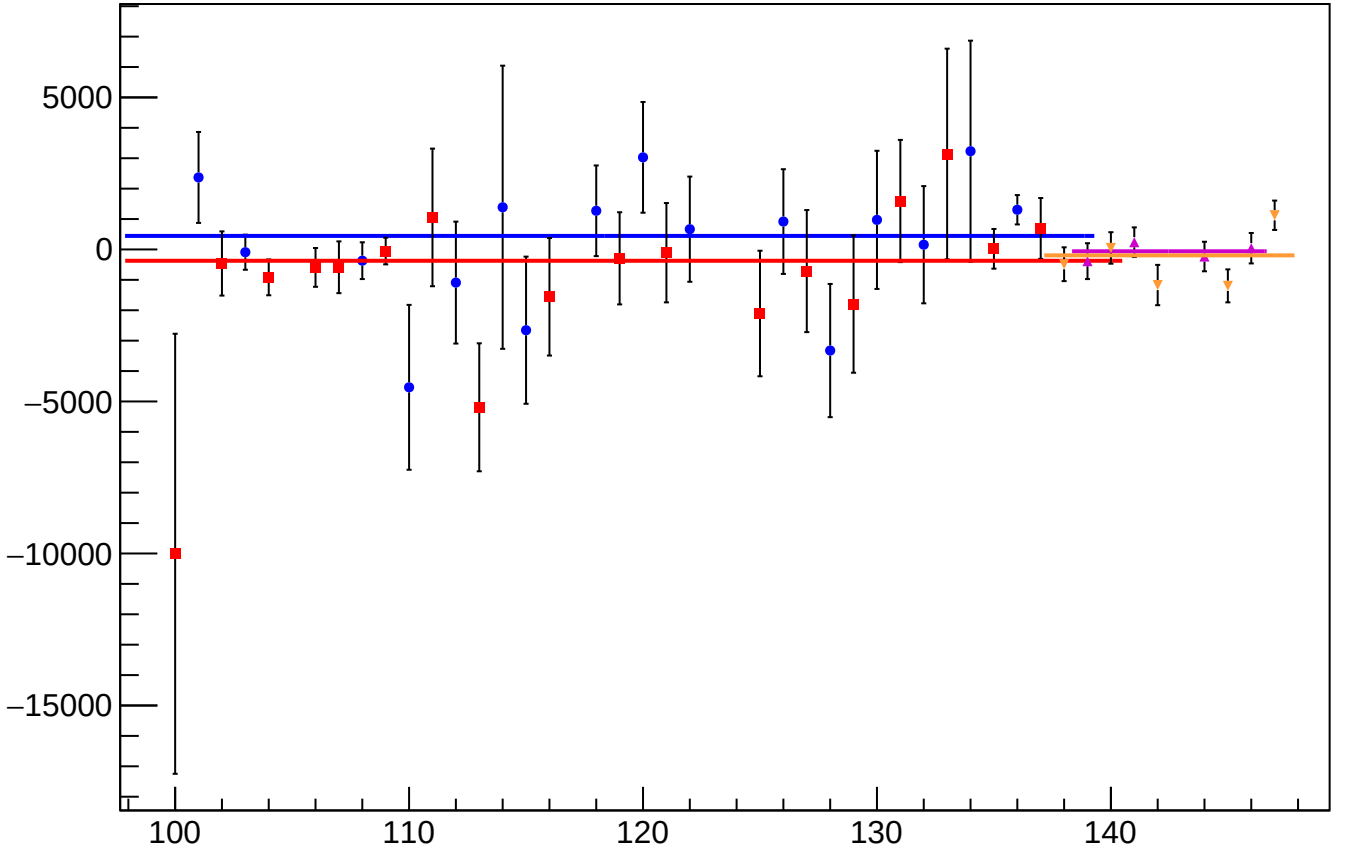
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1498.888+/-0.329 χ^2/NDF:741497.3/19

Out: 1483.648+/-0.323 χ^2/NDF:570045.6/22

All: 1491.135+/-0.231 χ^2/NDF: 1312634.8/42

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: -194.865+/-243.051 χ^2/NDF:13.5/4

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -60.621+/-255.588 χ^2/NDF:0.8/3

Left: -131.116+/-176.128 χ^2/NDF: 14.5/8

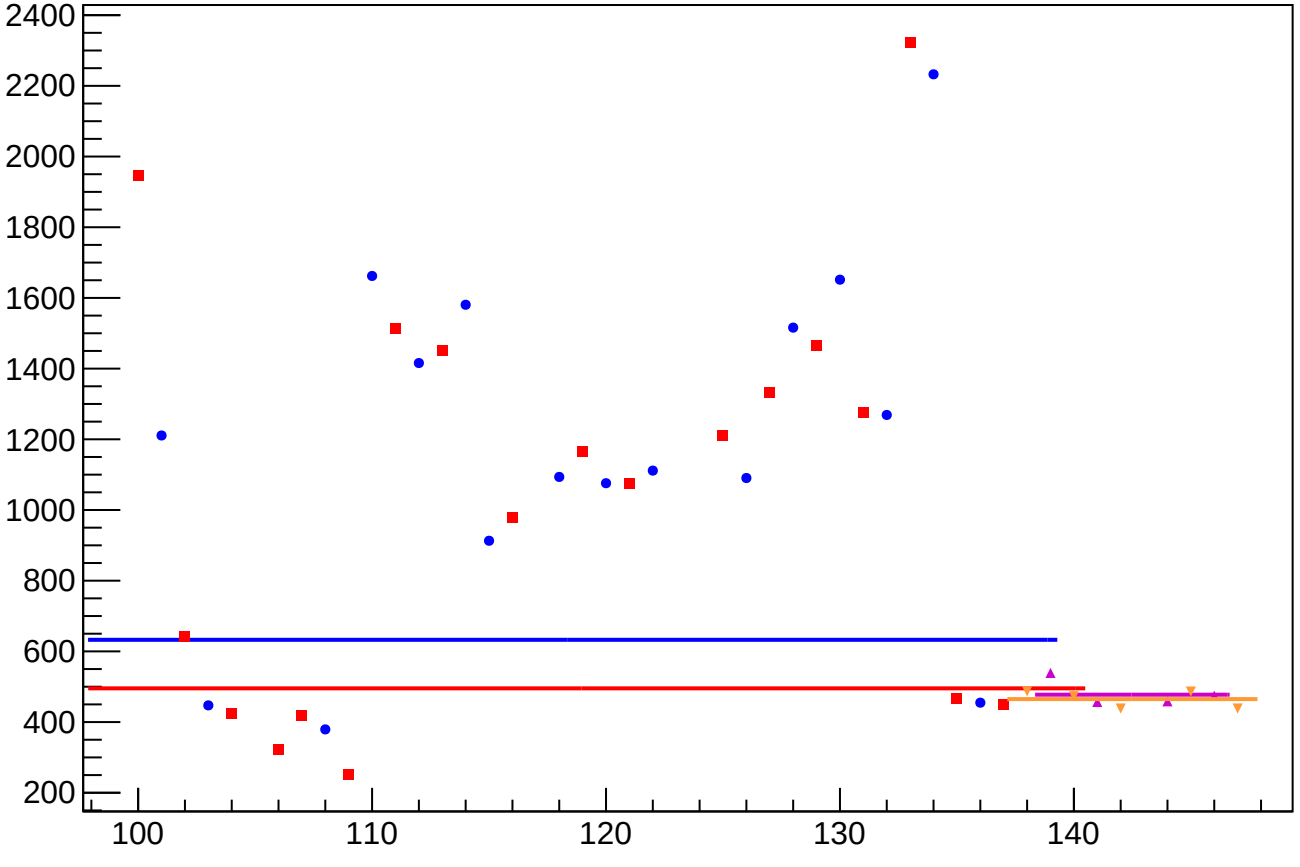
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 174.012+/-187.132 χ^2/NDF:21.8/19

Out: -288.080+/-167.574 χ^2/NDF:27.8/22

All: -82.435+/-124.837 χ^2/NDF: 53.1/42

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: 464.995+/-0.172 χ^2/NDF:16031.3/4

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 477.479+/-0.181 χ^2/NDF:28441.9/3

Left: 470.924+/-0.125 χ^2/NDF: 46978.9/8

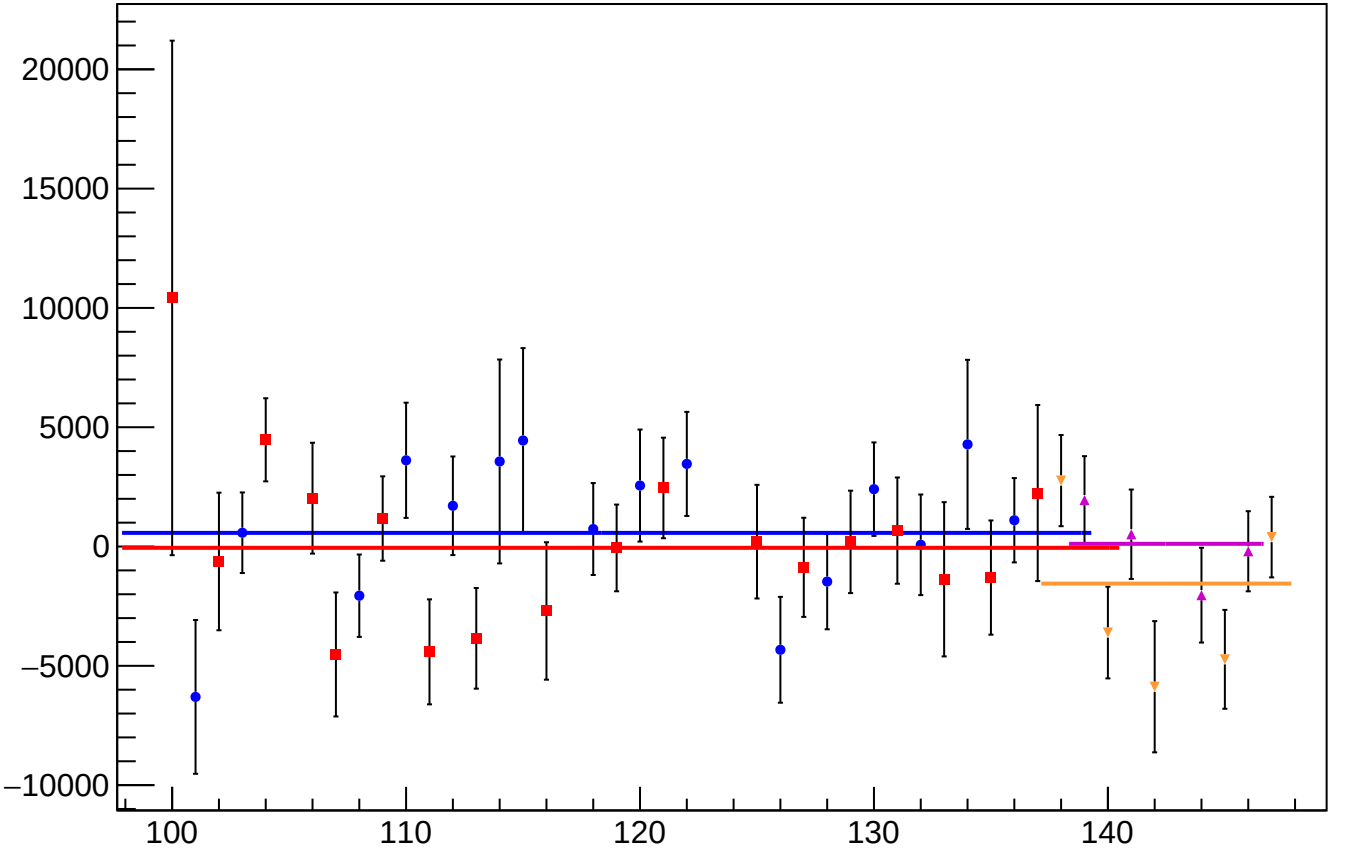
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 549.517+/-0.132 χ^2/NDF:4138629.2/19

Out: 480.937+/-0.118 χ^2/NDF:4369914.6/22

All: 511.457+/-0.088 χ^2/NDF: 8657617.5/42

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1553.663+/-890.545 χ^2/NDF:12.4/4

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 113.391+/-917.360 χ^2/NDF:2.2/3

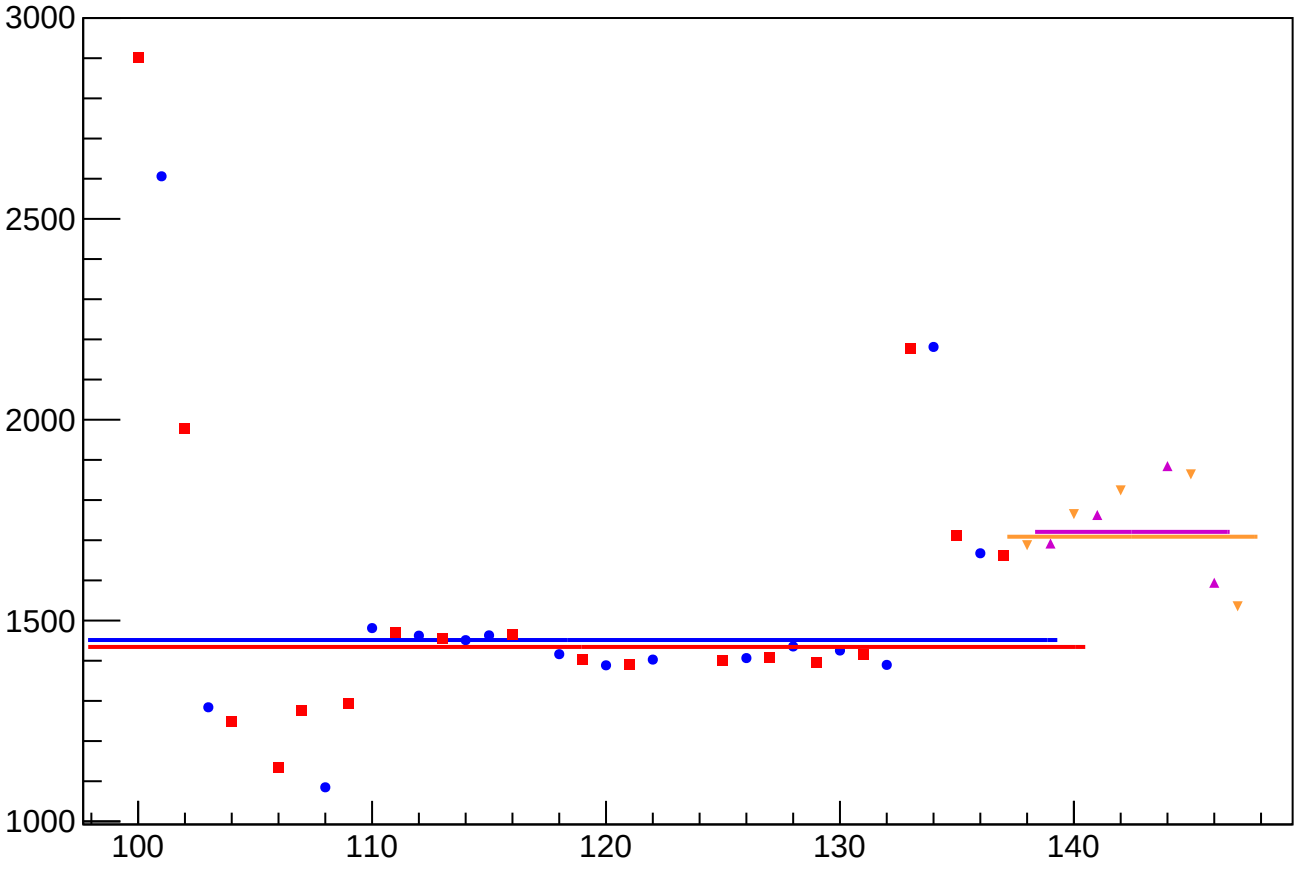
Left: -744.856+/-638.980 χ^2/NDF: 16.3/8

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 451.069+/-471.487 χ^2/NDF:23.2/19

Out: -462.828+/-465.077 χ^2/NDF:37.0/22

All: -12.135+/-331.102 χ^2/NDF: 62.1/42



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1708.733+/-0.630 χ^2/NDF:37776.1/4

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1720.824+/-0.649 χ^2/NDF:26476.2/3

Left: 1714.599+/-0.452 χ^2/NDF: 64431.2/8

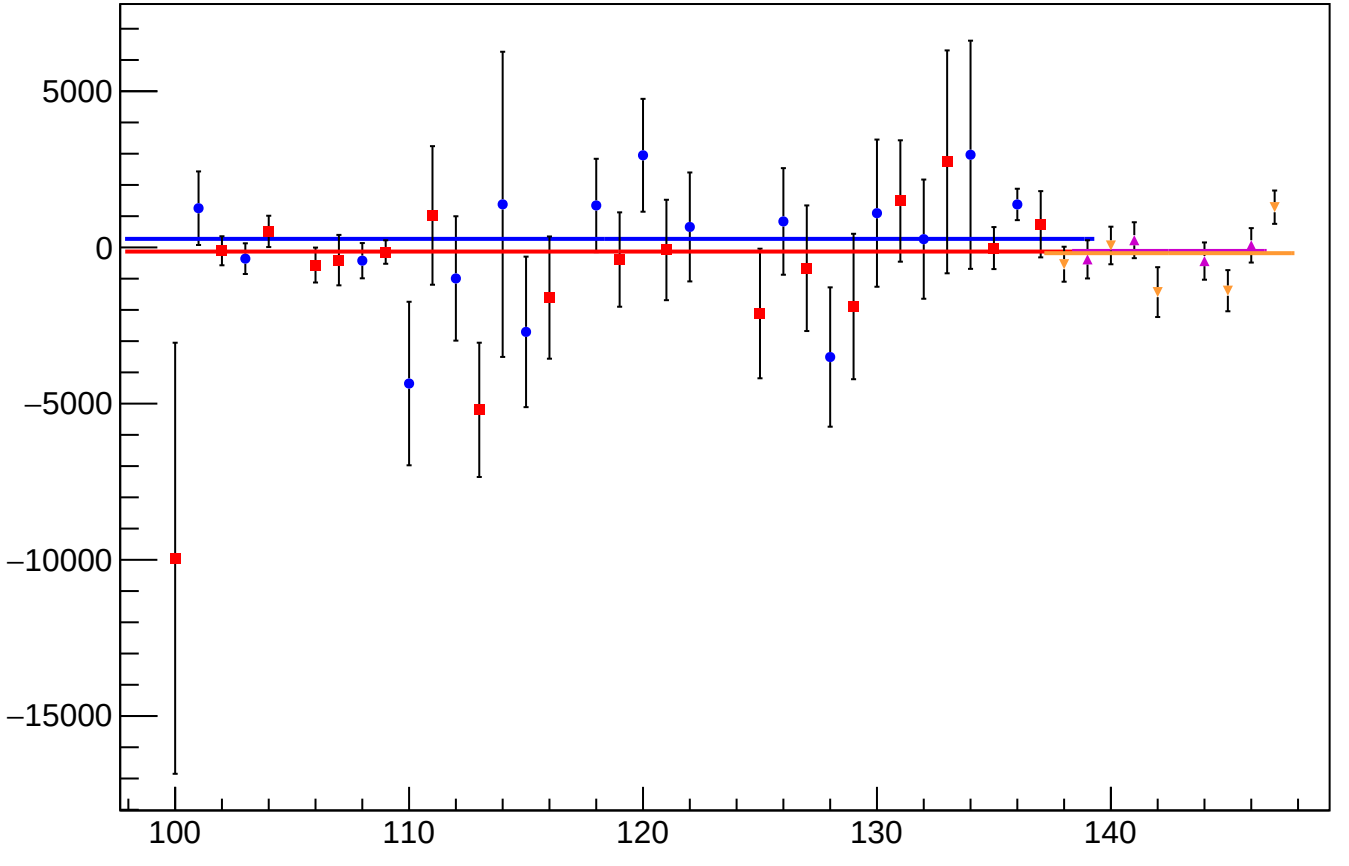
Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1522.701+/-0.333 χ^2/NDF:641087.2/19

Out: 1509.162+/-0.329 χ^2/NDF:504474.8/22

All: 1515.839+/-0.234 χ^2/NDF: 1146397.8/42

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: -184.123+/-273.726 χ^2/NDF:13.9/4

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -112.901+/-290.999 χ^2/NDF:1.0/3

Left: -150.688+/-199.380 χ^2/NDF: 14.9/8

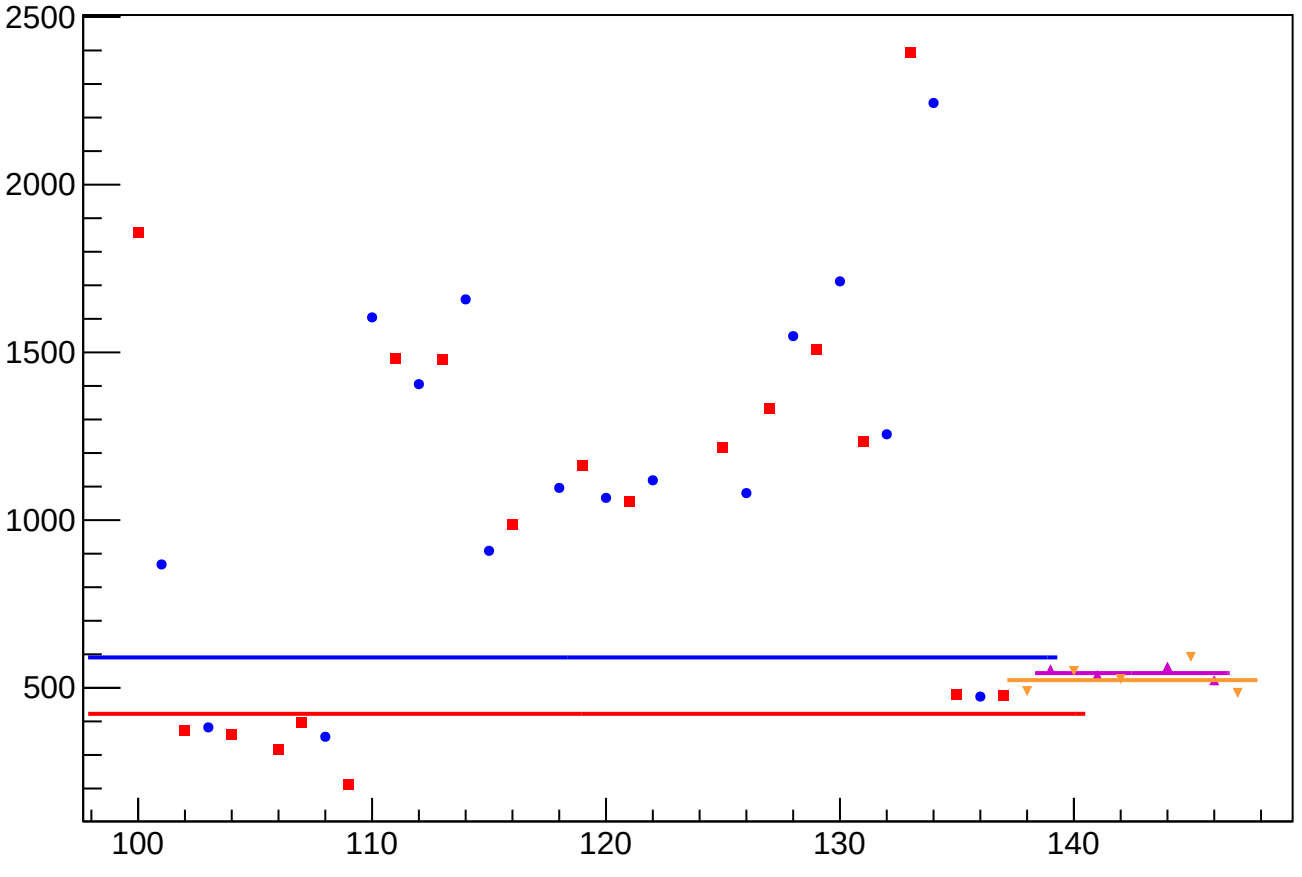
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 101.542+/-194.106 χ^2/NDF:22.1/19

Out: -150.037+/-159.323 χ^2/NDF:28.4/22

All: -48.769+/-123.151 χ^2/NDF: 51.6/42

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 523.124+/-0.194 χ^2/NDF:43152.0/4

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 544.069+/-0.206 χ^2/NDF:5974.8/3

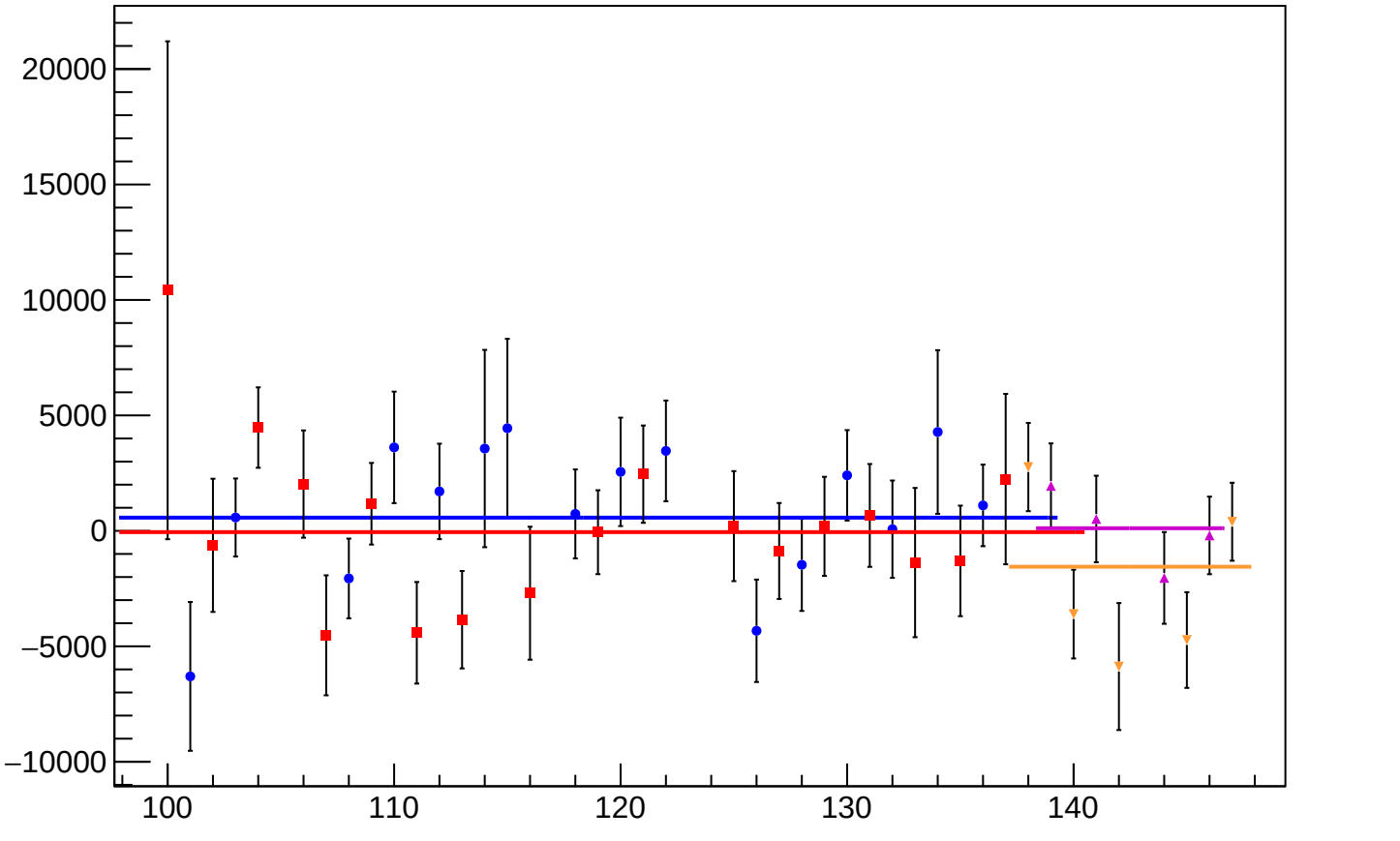
Left: 532.956+/-0.141 χ^2/NDF: 54624.0/8

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 569.979+/-0.137 χ^2/NDF:3920043.2/19

Out: 456.675+/-0.113 χ^2/NDF:5079416.4/22

All: 502.283+/-0.087 χ^2/NDF: 9406614.0/42



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -1553.675+/-890.545 χ^2/NDF:12.4/4

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 113.381+/-917.360 χ^2/NDF:2.2/3

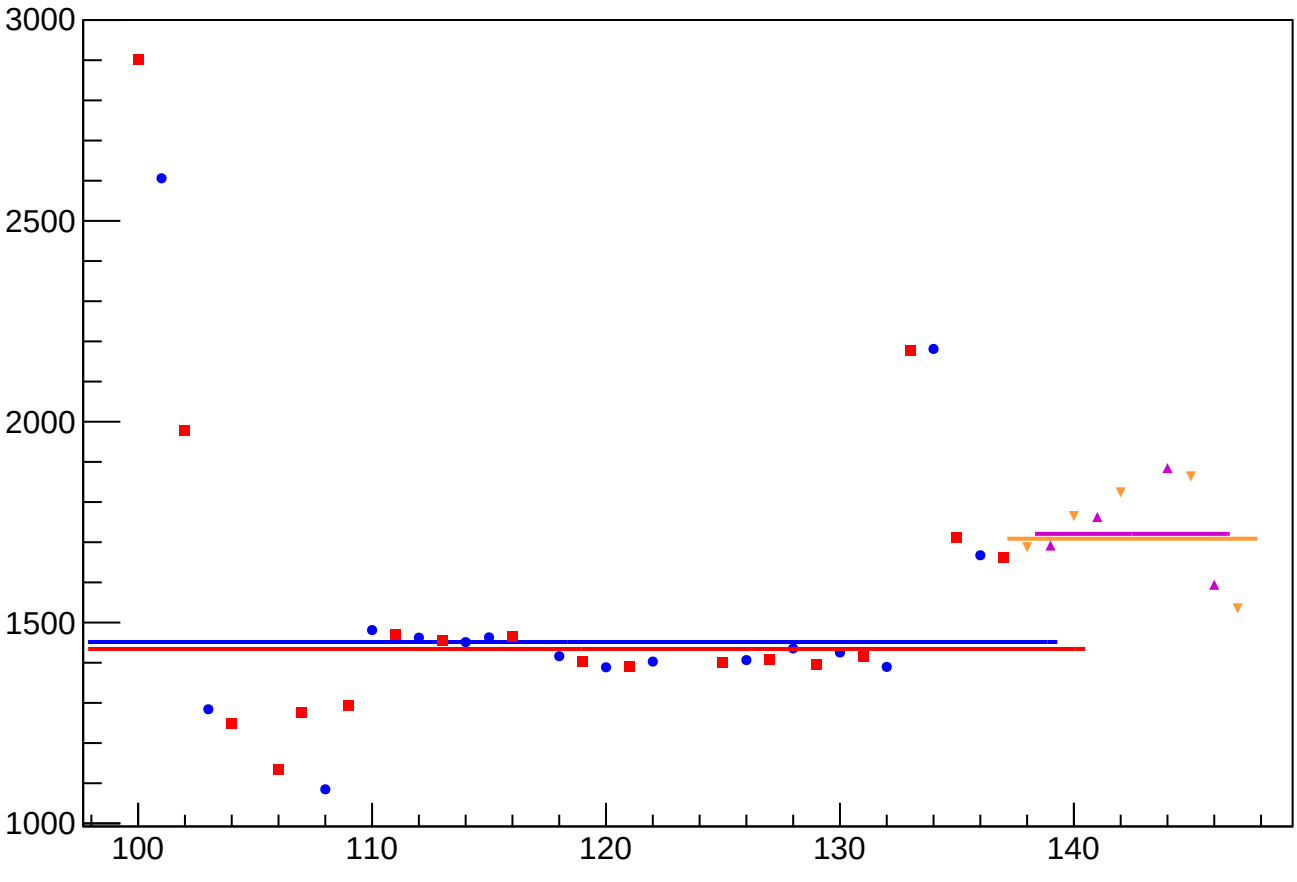
Left: -744.867+/-638.980 χ^2/NDF: 16.3/8

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 451.067+/-471.487 χ^2/NDF:23.2/19

Out: -462.830+/-465.077 χ^2/NDF:37.0/22

All: -12.136+/-331.102 χ^2/NDF: 62.1/42



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1708.733+/-0.630 χ^2/NDF:37776.3/4

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1720.824+/-0.649 χ^2/NDF:26476.4/3

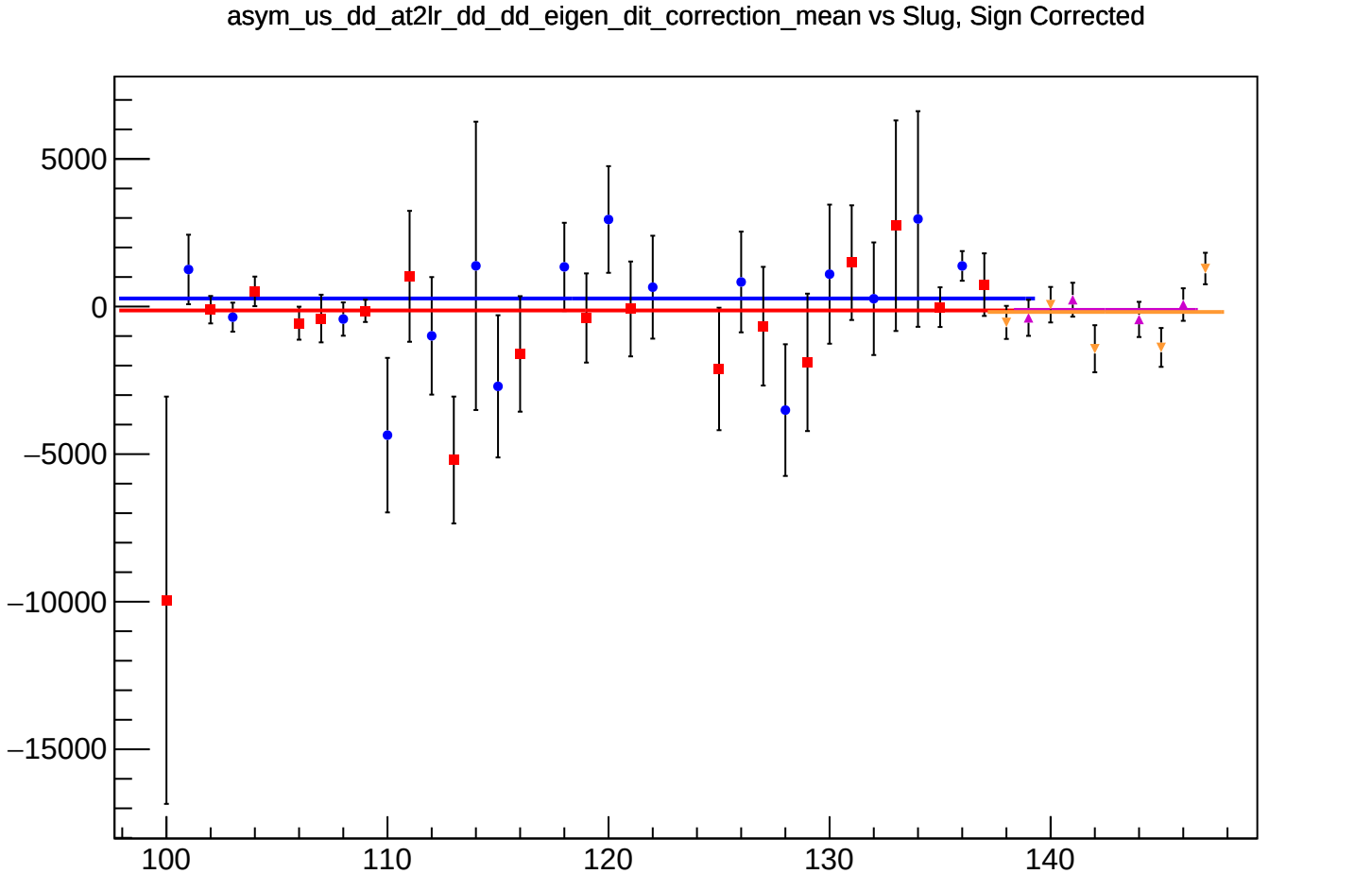
Left: 1714.599+/-0.452 χ^2/NDF: 64431.5/8

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1522.702+/-0.333 χ^2/NDF:641086.8/19

Out: 1509.162+/-0.329 χ^2/NDF:504475.1/22

All: 1515.839+/-0.234 χ^2/NDF: 1146397.8/42



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: -184.113+/-273.730 χ^2/NDF:13.9/4

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -112.908+/-291.001 χ^2/NDF:1.0/3

Left: -150.686+/-199.383 χ^2/NDF: 14.9/8

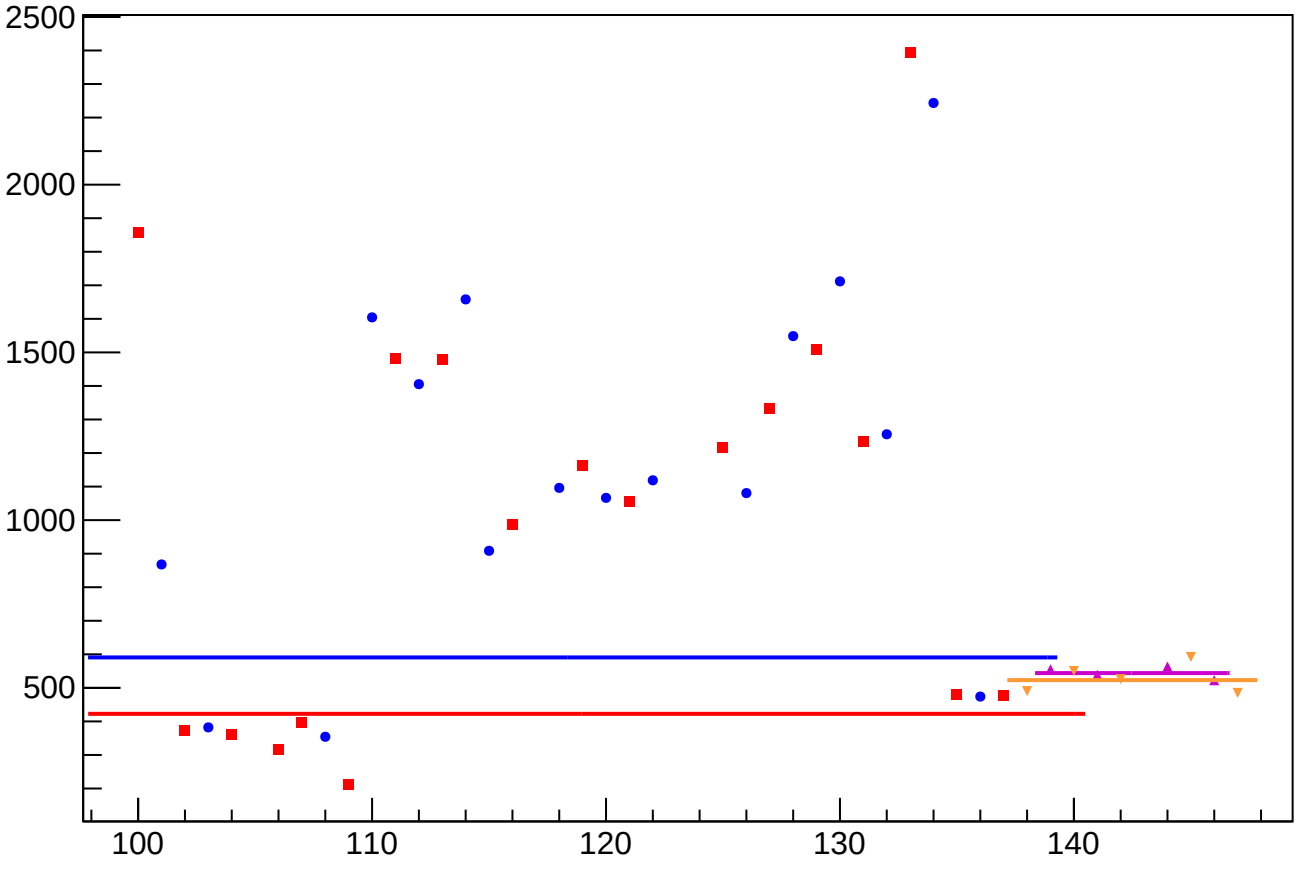
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 101.536+/-194.107 χ^2/NDF:22.1/19

Out: -150.030+/-159.325 χ^2/NDF:28.4/22

All: -48.767+/-123.152 χ^2/NDF: 51.6/42

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: 523.131+/-0.194 χ^2/NDF:43149.7/4

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 544.074+/-0.206 χ^2/NDF:5981.0/3

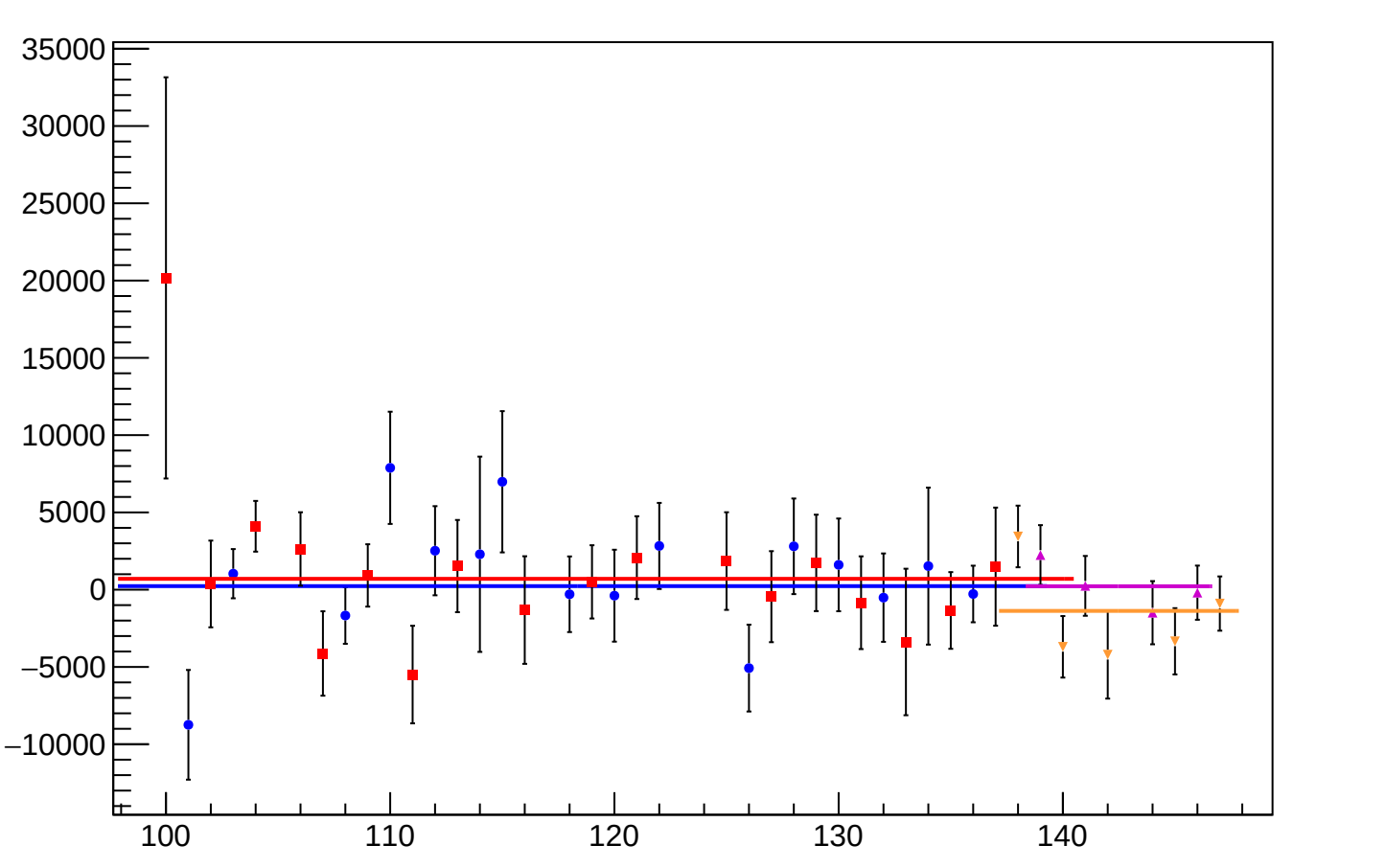
Left: 532.962+/-0.141 χ^2/NDF: 54626.5/8

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 569.981+/-0.137 χ^2/NDF:3920069.7/19

Out: 456.681+/-0.113 χ^2/NDF:5079334.8/22

All: 502.288+/-0.087 χ^2/NDF: 9406521.1/42



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -1373.014+/-924.584 χ^2/NDF:9.1/4

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 221.903+/-953.767 χ^2/NDF:1.8/3

Left: -600.329+/-663.857 χ^2/NDF: 12.4/8

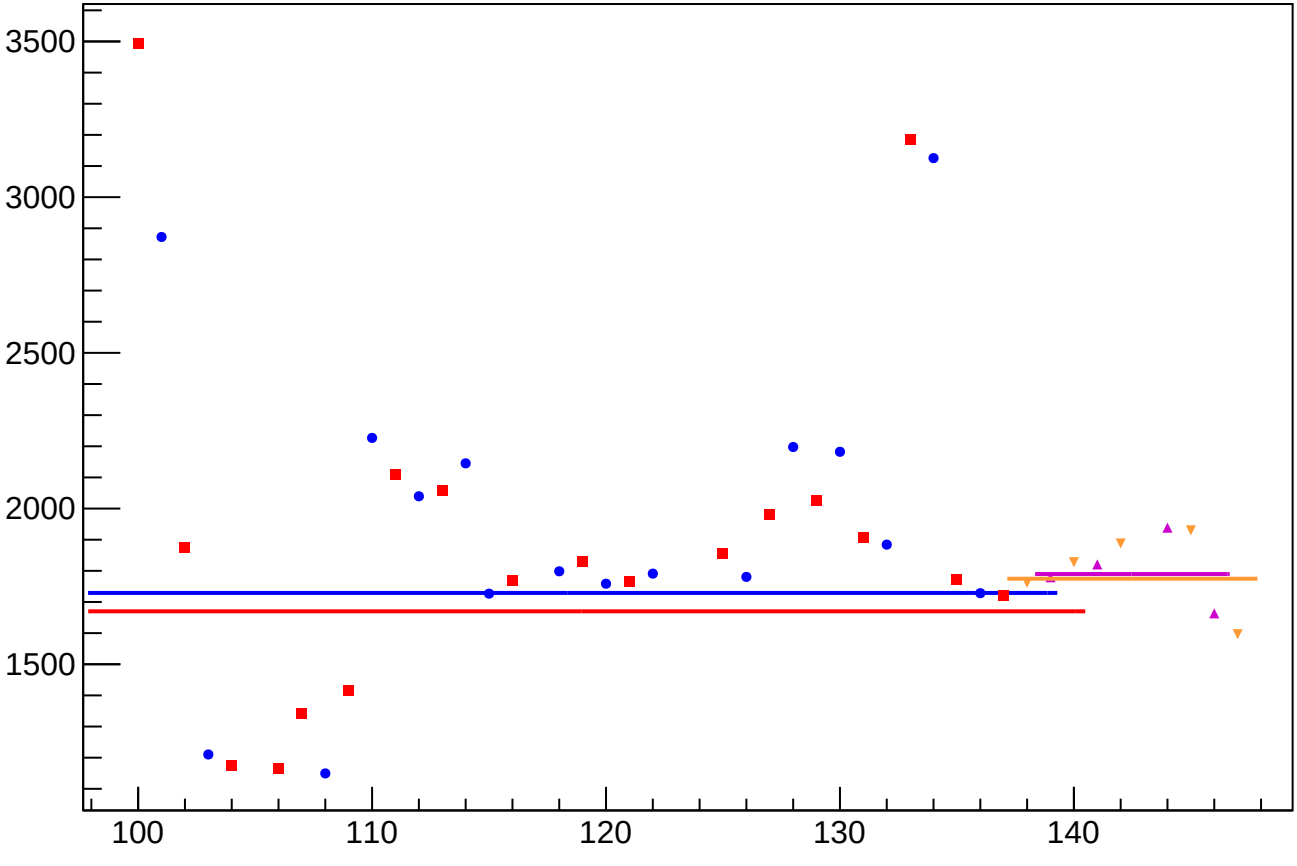
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 227.856+/-546.181 χ^2/NDF:22.6/19

Out: 18.222+/-530.824 χ^2/NDF:29.5/22

All: 120.050+/-380.663 χ^2/NDF: 52.2/42

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: 1774.735+/-0.654 χ^2/NDF:35802.4/4

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1789.776+/-0.674 χ^2/NDF:21580.4/3

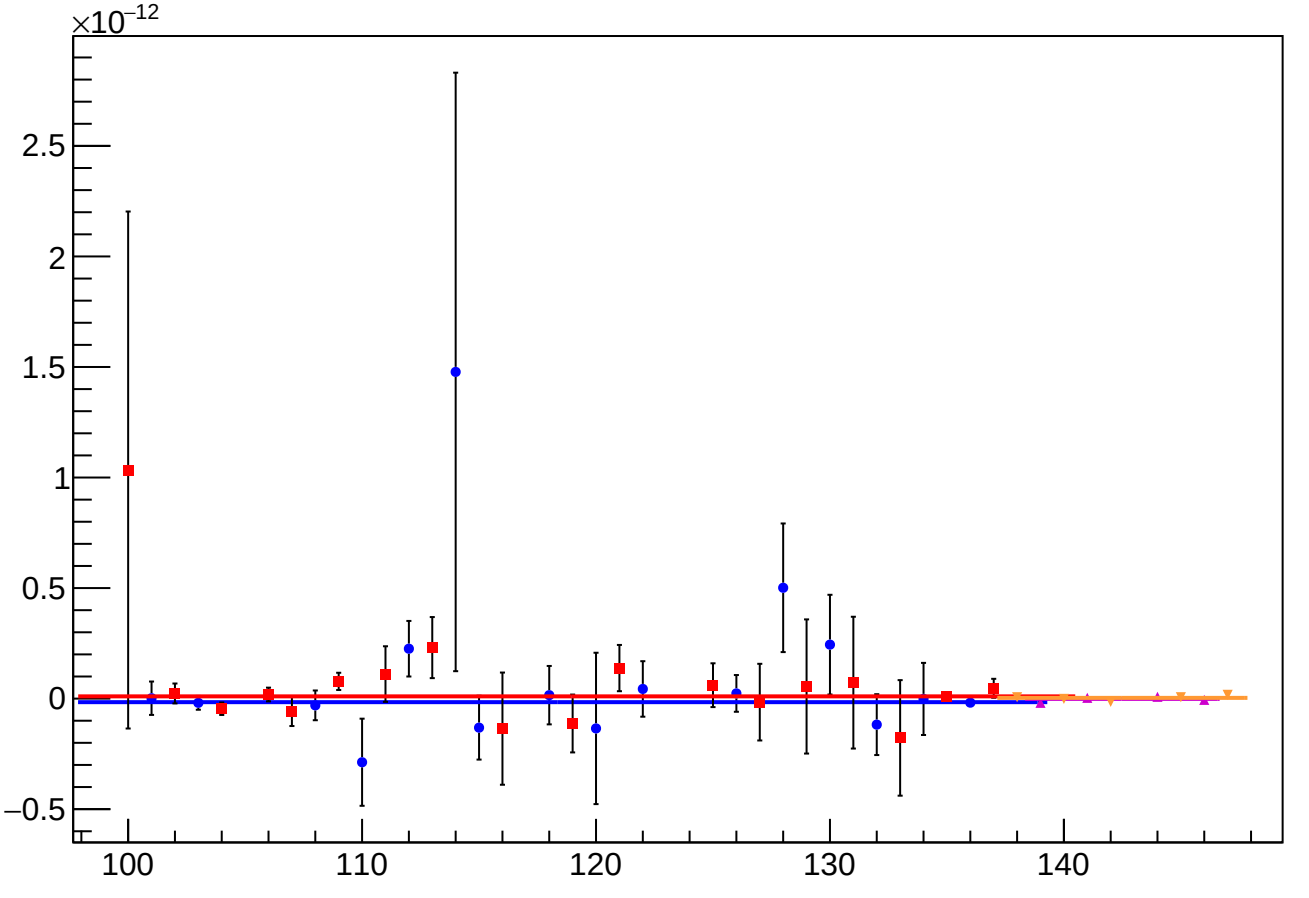
Left: 1782.022+/-0.469 χ^2/NDF: 57639.2/8

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1748.964+/-0.386 χ^2/NDF:969108.6/19

Out: 1704.560+/-0.375 χ^2/NDF:797440.7/22

All: 1726.129+/-0.269 χ^2/NDF: 1773347.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.2/4

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/3

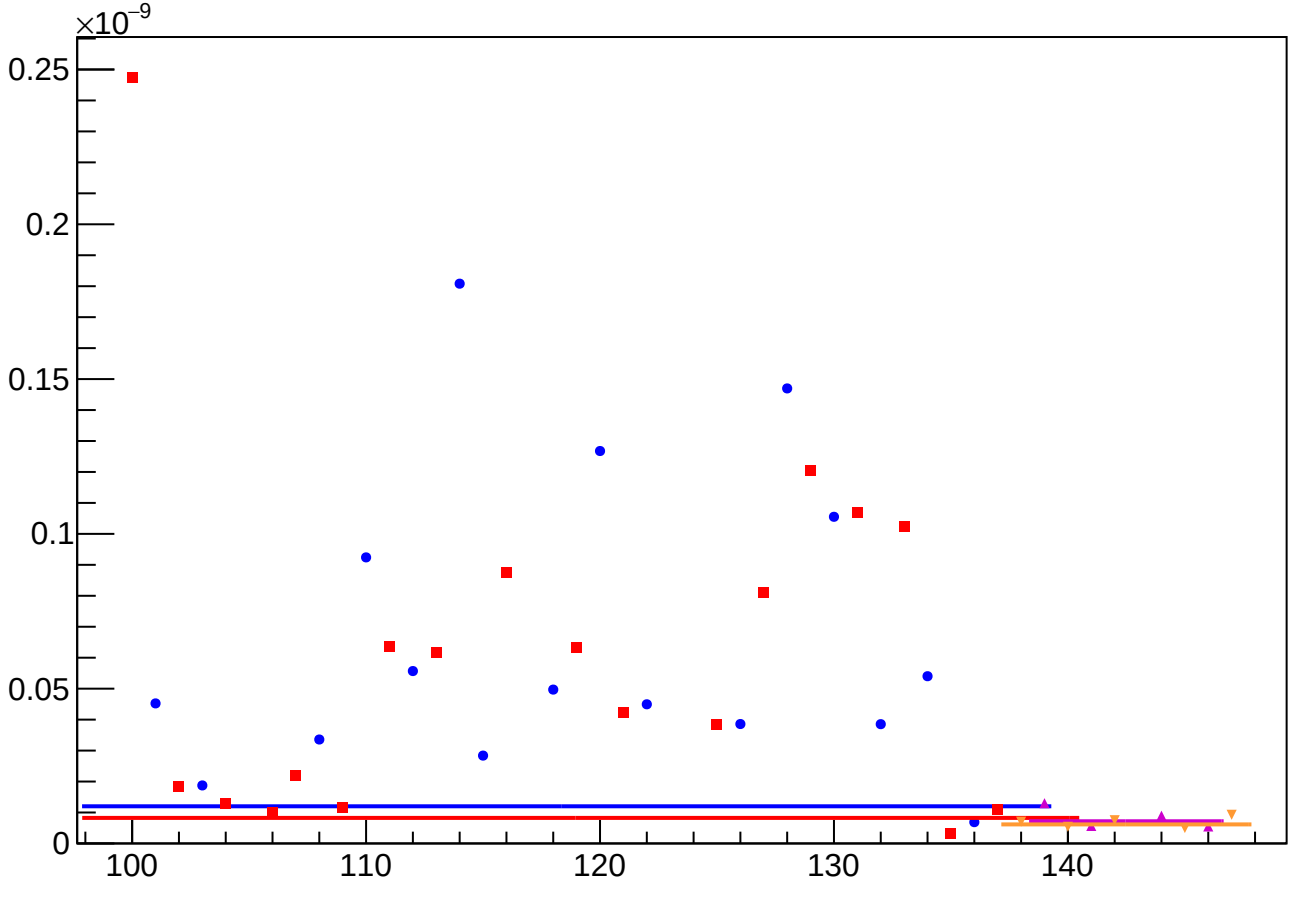
Left: 0.000+/-0.000 χ^2/NDF: 4.4/8

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:16.8/19

Out: 0.000+/-0.000 χ^2/NDF:19.0/22

All: 0.000+/-0.000 χ^2/NDF: 38.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:139494.3/4

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:356969.8/3

Left: 0.000+/-0.000 χ^2/NDF: 528324.4/8

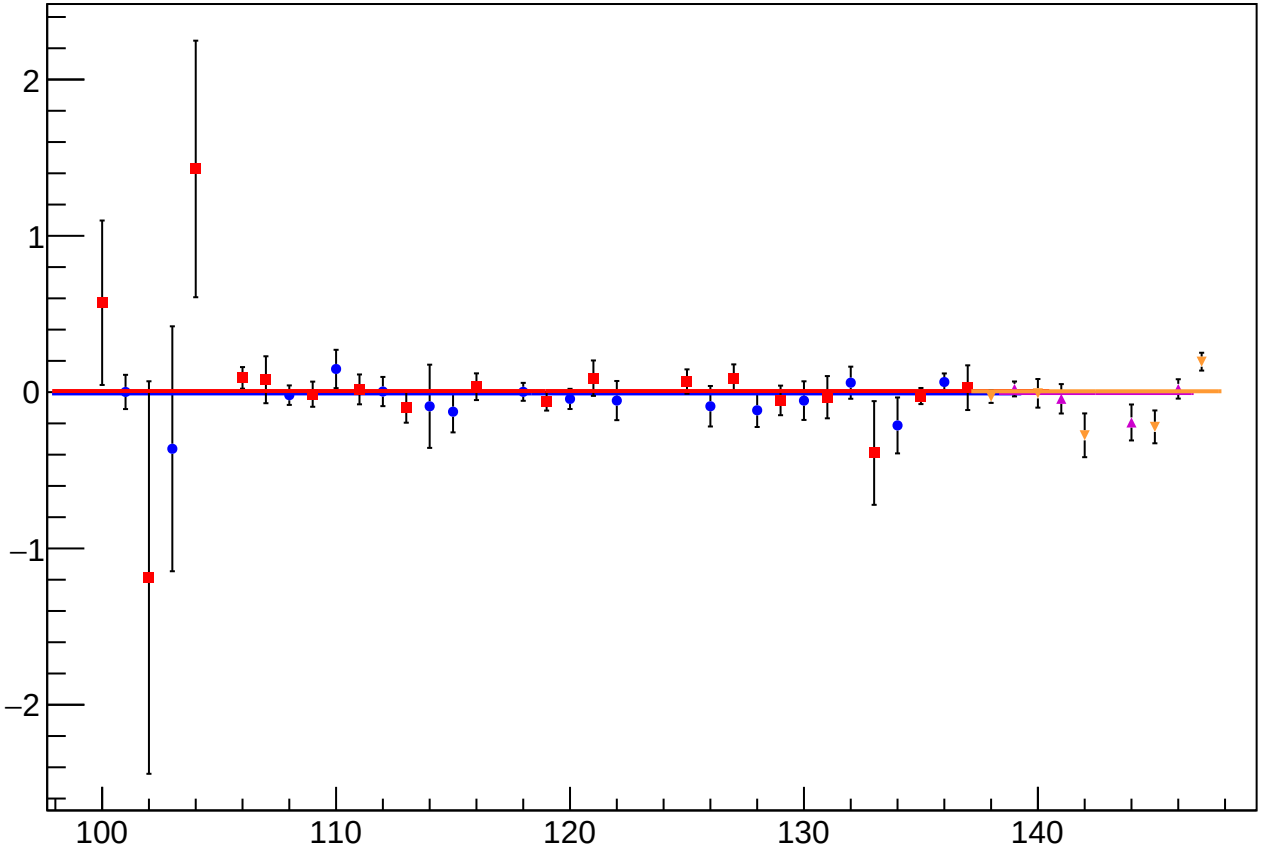
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4113814.0/19

Out: 0.000+/-0.000 χ^2/NDF:3734664.8/22

All: 0.000+/-0.000 χ^2/NDF: 7967350.6/42

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: 0.006+/-0.029 χ^2/NDF:20.5/4

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.034 χ^2/NDF:3.3/3

Left: 0.001+/-0.022 χ^2/NDF: 23.9/8

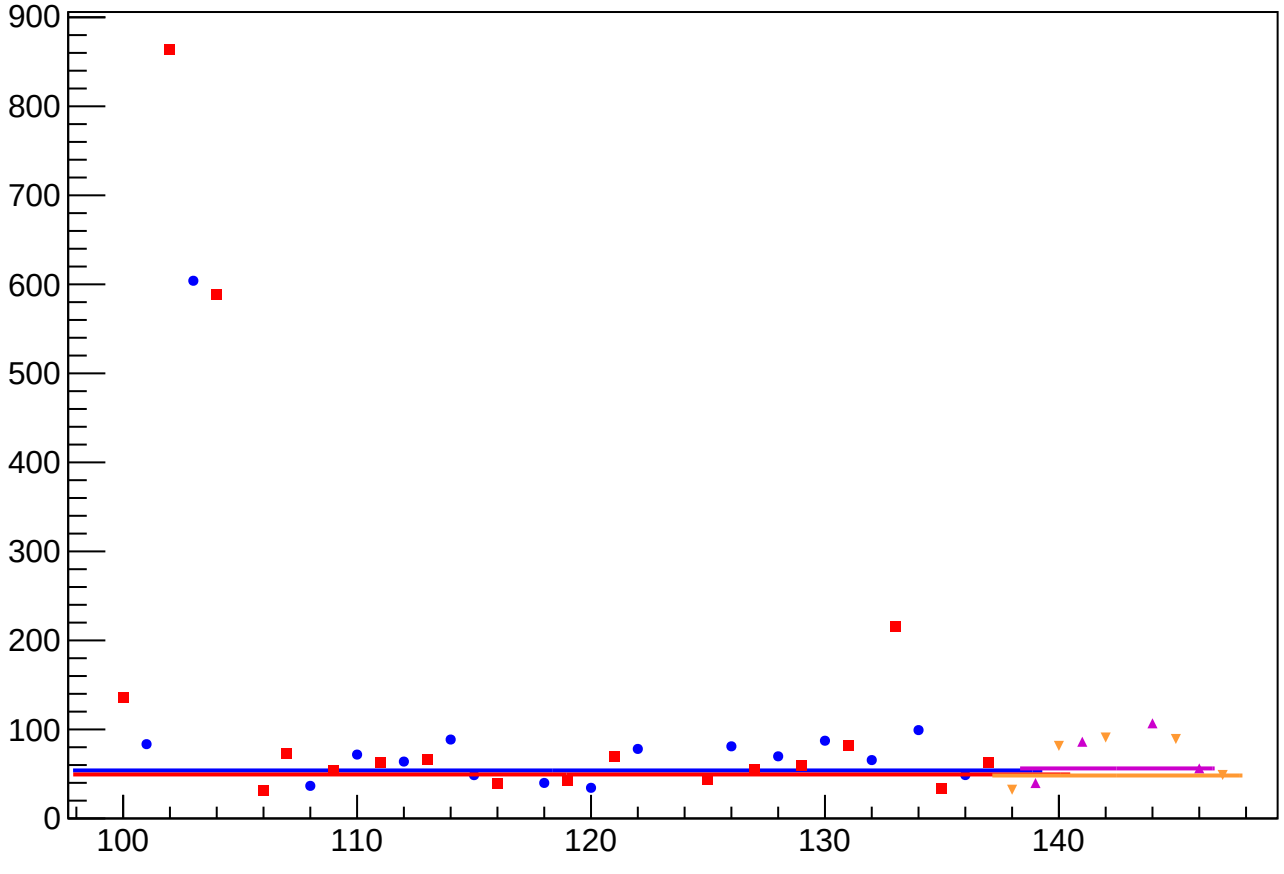
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.019 χ^2/NDF:11.6/19

Out: 0.007+/-0.018 χ^2/NDF:34.2/22

All: 0.000+/-0.013 χ^2/NDF: 46.1/42

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: 48.252+/-0.020 χ^2/NDF:1074849.3/4

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.197+/-0.024 χ^2/NDF:828936.2/3

Left: 51.643+/-0.015 χ^2/NDF: 1968200.8/8

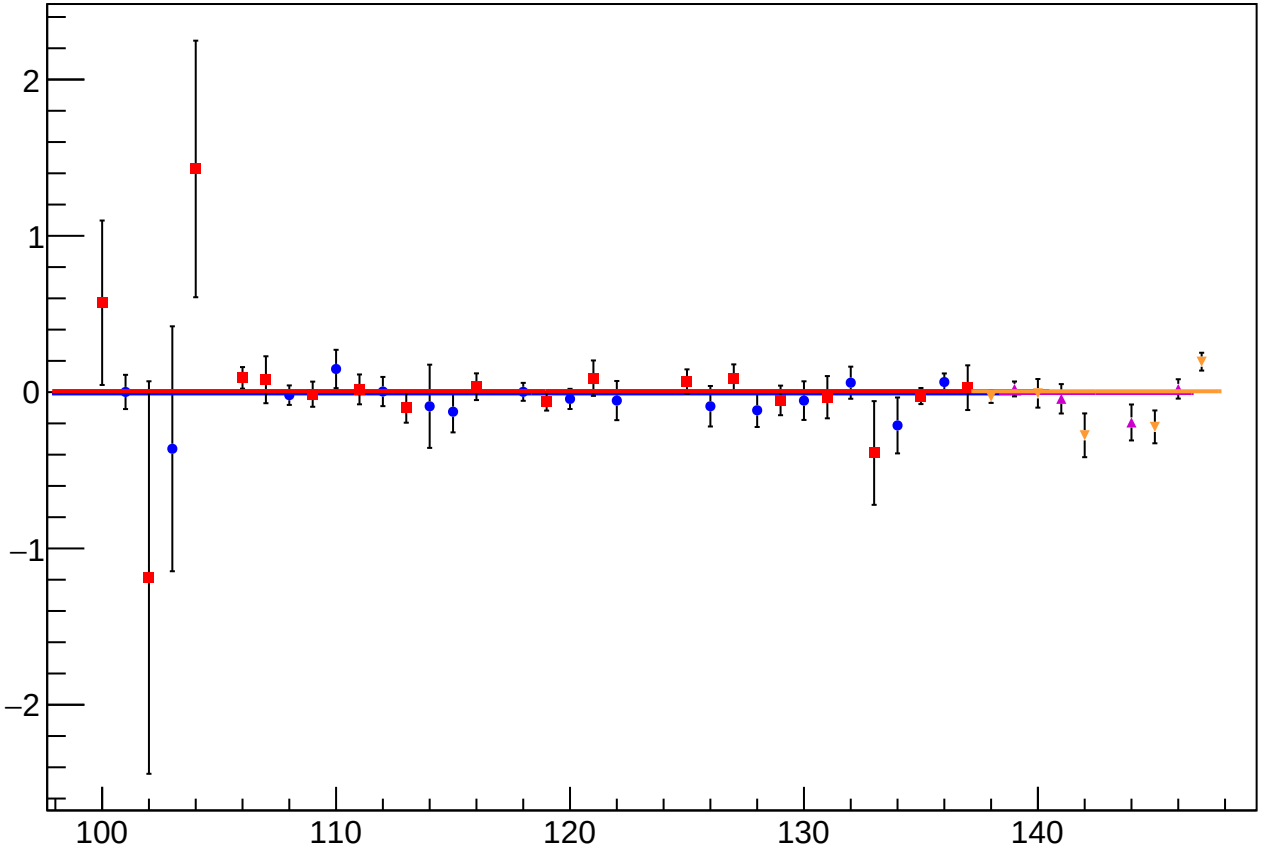
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 54.658+/-0.013 χ^2/NDF:3049506.0/19

Out: 48.986+/-0.012 χ^2/NDF:4094618.2/22

All: 51.605+/-0.009 χ^2/NDF: 7239791.7/42

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: 0.006+/-0.029 χ^2/NDF:20.5/4

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.034 χ^2/NDF:3.3/3

Left: 0.001+/-0.022 χ^2/NDF: 23.9/8

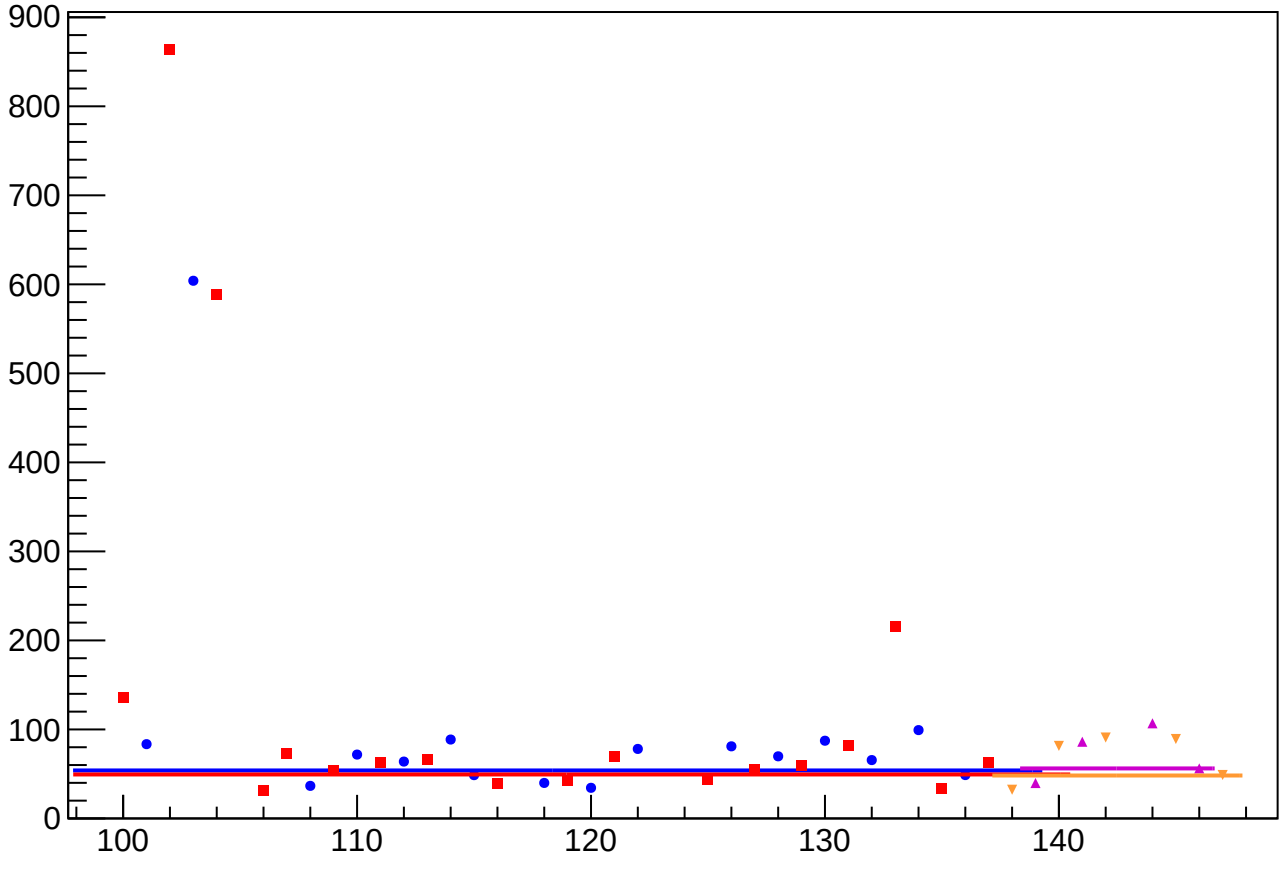
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.019 χ^2/NDF:11.6/19

Out: 0.007+/-0.018 χ^2/NDF:34.2/22

All: 0.000+/-0.013 χ^2/NDF: 46.1/42

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: 48.252+/-0.020 χ^2/NDF:1074849.3/4

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 56.197+/-0.024 χ^2/NDF:828936.2/3

Left: 51.643+/-0.015 χ^2/NDF: 1968200.8/8

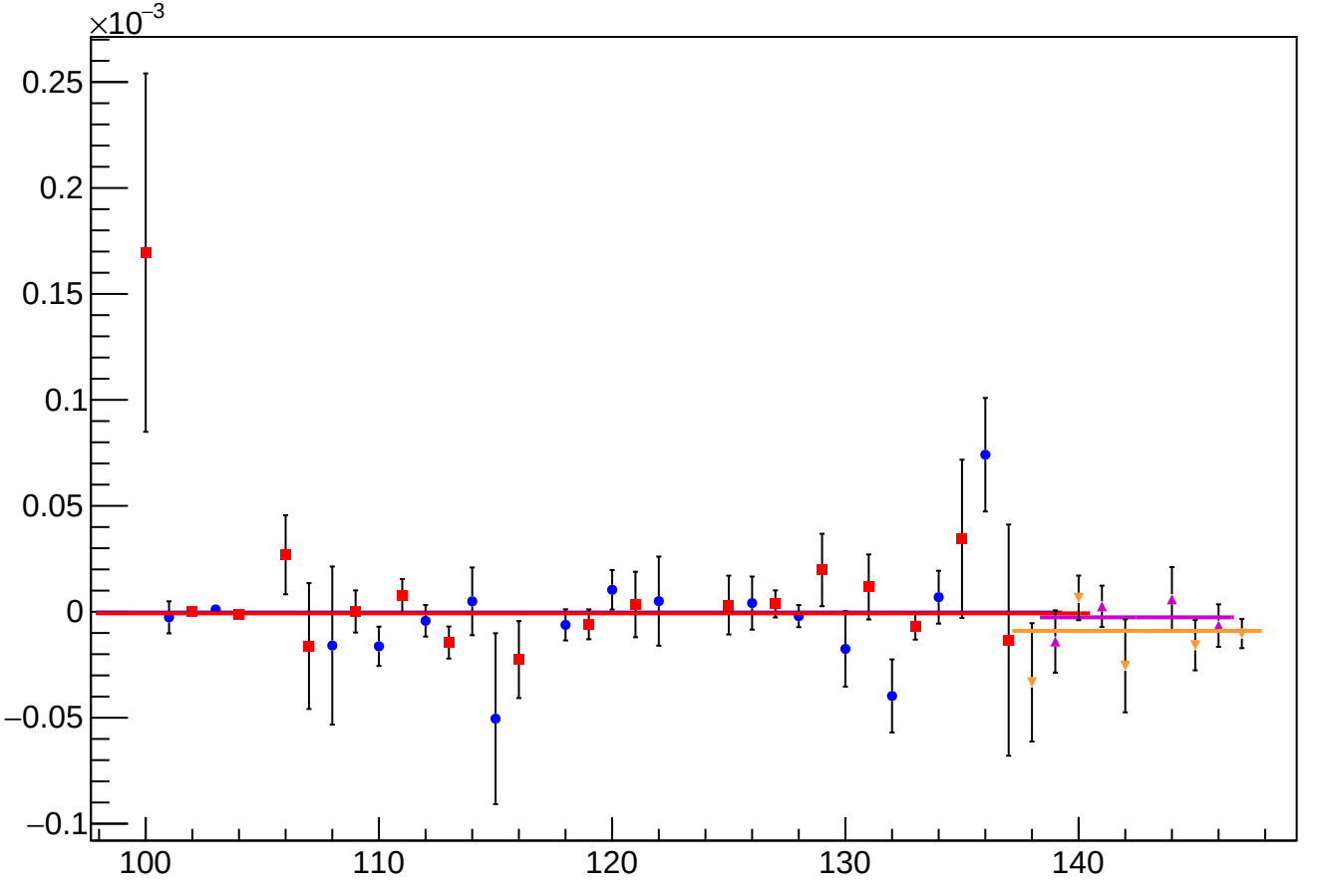
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 54.658+/-0.013 χ^2/NDF:3049506.0/19

Out: 48.986+/-0.012 χ^2/NDF:4094618.2/22

All: 51.605+/-0.009 χ^2/NDF: 7239791.7/42

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

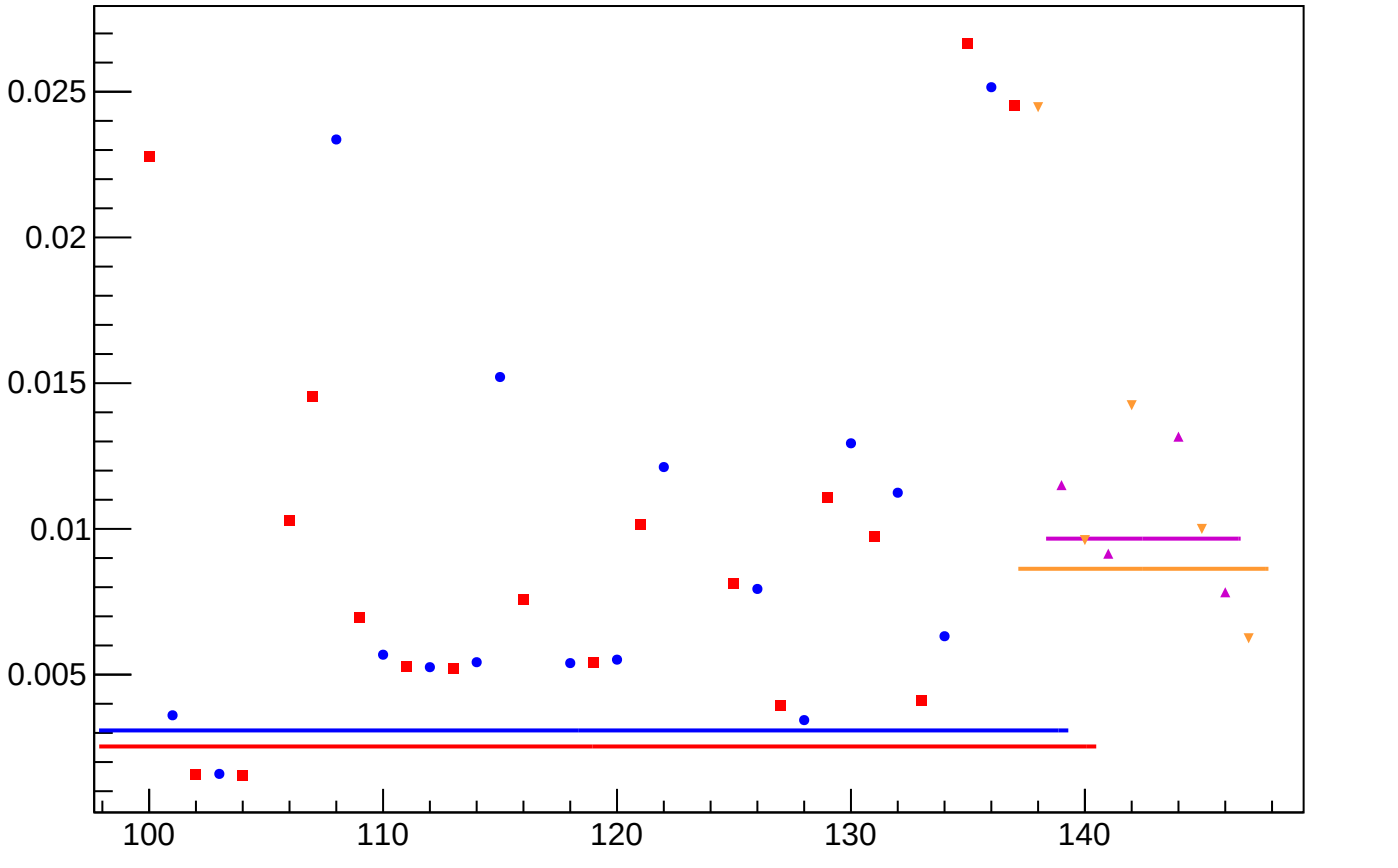
Left: -0.000+/-0.000 χ^2/NDF: 5.9/8

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

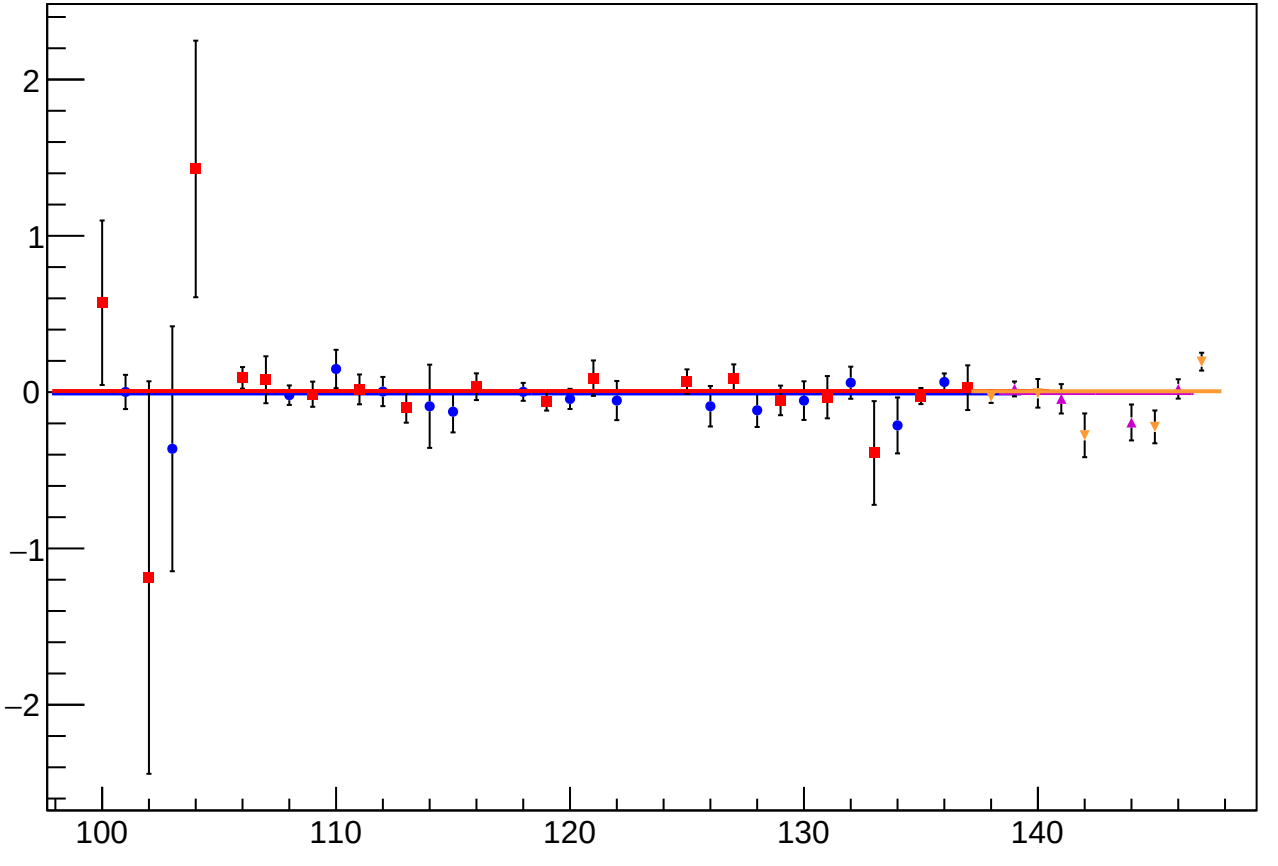
In: -0.000+/-0.000 χ^2/NDF:23.6/19

Out: -0.000+/-0.000 χ^2/NDF:24.3/22

All: -0.000+/-0.000 χ^2/NDF: 48.1/42


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.009+/-0.000 χ²/NDF:1059209.0/4
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.010+/-0.000 χ²/NDF:210520.7/3
Left: 0.009+/-0.000 χ²/NDF: 1306263.2/8
Right: 0.003+/-0.000 χ²/NDF: 12159145.0/33
In: 0.004+/-0.000 χ²/NDF:8355324.1/19
Out: 0.003+/-0.000 χ²/NDF:10135988.7/22
All: 0.003+/-0.000 χ²/NDF: 18703548.5/42

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: 0.006+/-0.029 χ^2/NDF:20.5/4

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.034 χ^2/NDF:3.3/3

Left: 0.001+/-0.022 χ^2/NDF: 23.9/8

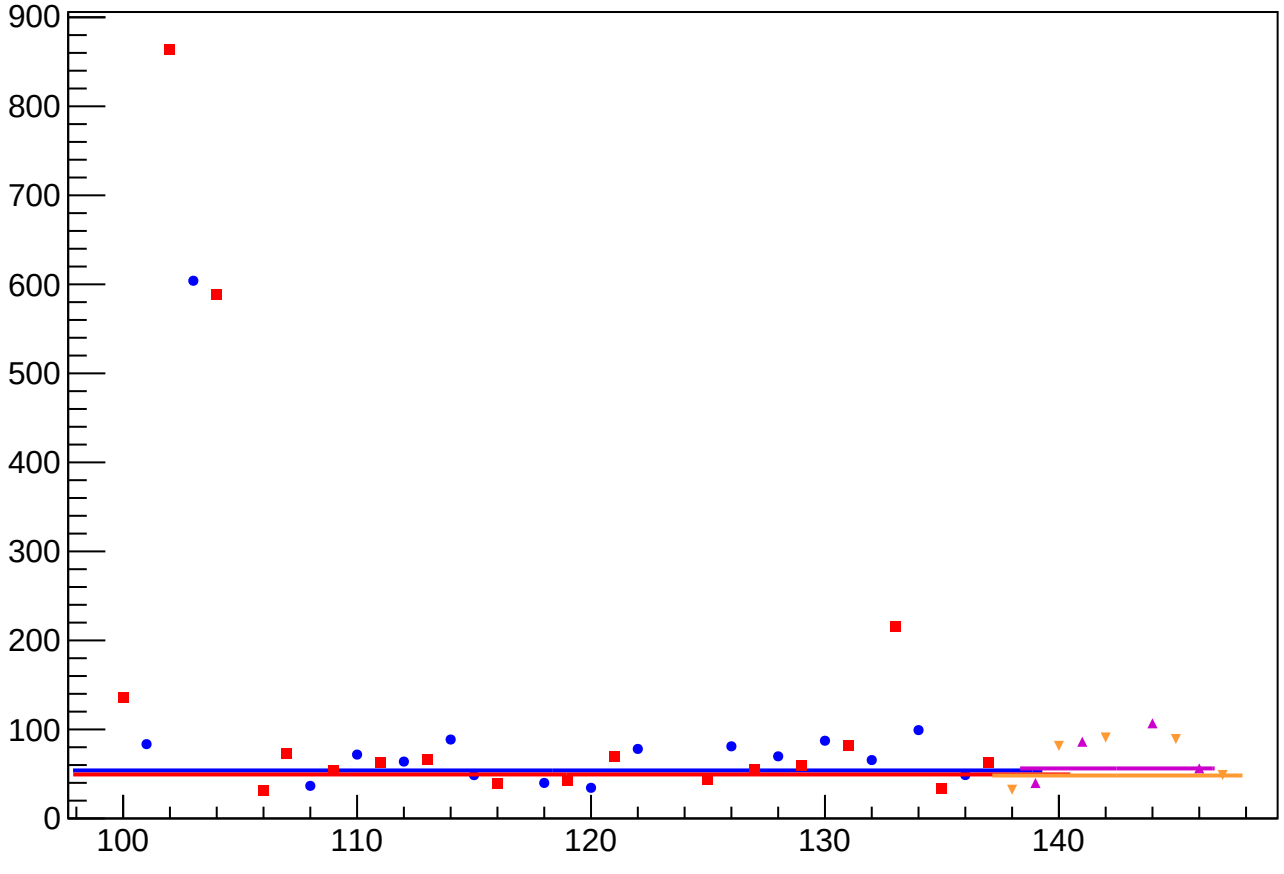
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.019 χ^2/NDF:11.6/19

Out: 0.007+/-0.018 χ^2/NDF:34.2/22

All: 0.000+/-0.013 χ^2/NDF: 46.1/42

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: 48.258+/-0.020 χ^2/NDF:1074358.4/4

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.197+/-0.024 χ^2/NDF:828944.2/3

Left: 51.647+/-0.015 χ^2/NDF: 1967622.6/8

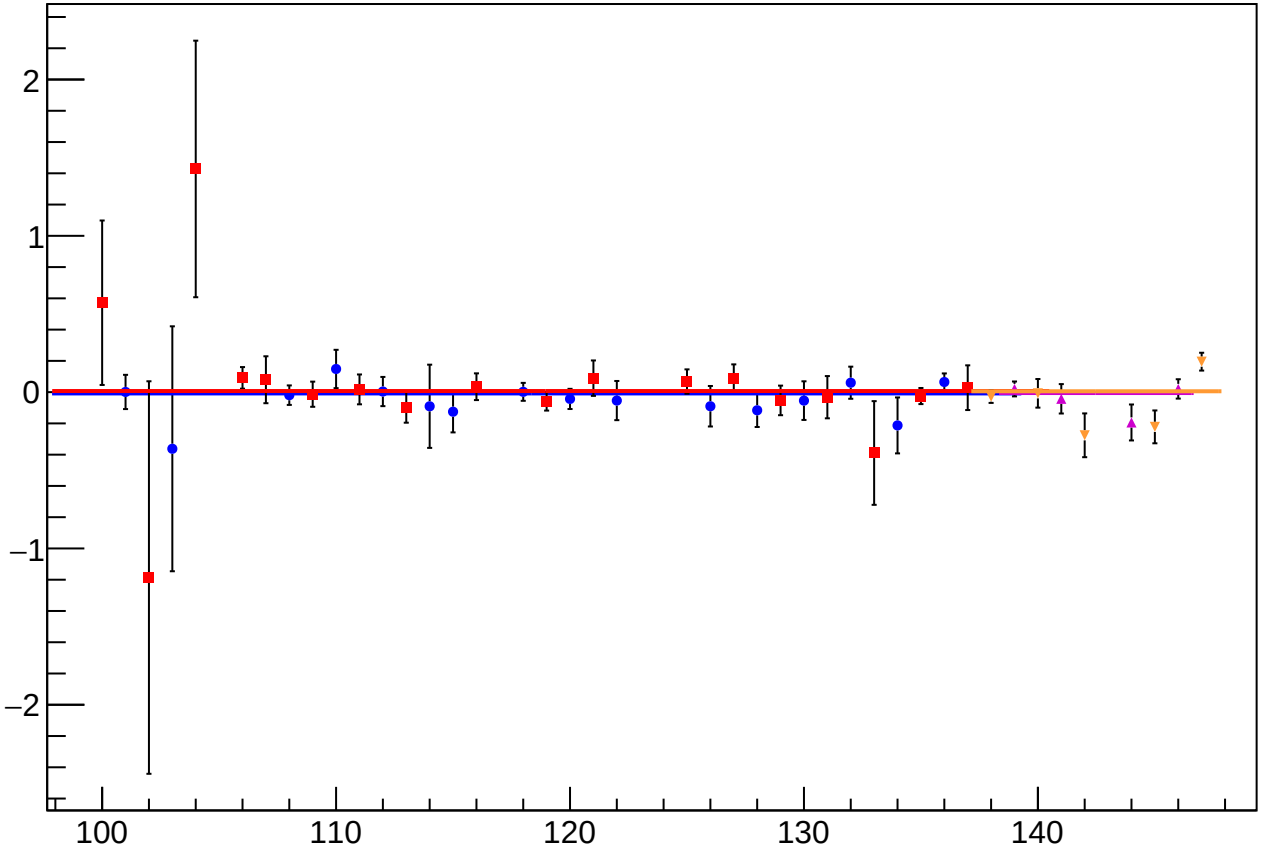
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 54.660+/-0.013 χ^2/NDF:3049099.8/19

Out: 48.990+/-0.012 χ^2/NDF:4093834.1/22

All: 51.608+/-0.009 χ^2/NDF: 7238556.7/42

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: 0.006+/-0.029 χ^2/NDF:20.5/4

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.006+/-0.034 χ^2/NDF:3.3/3

Left: 0.001+/-0.022 χ^2/NDF: 23.9/8

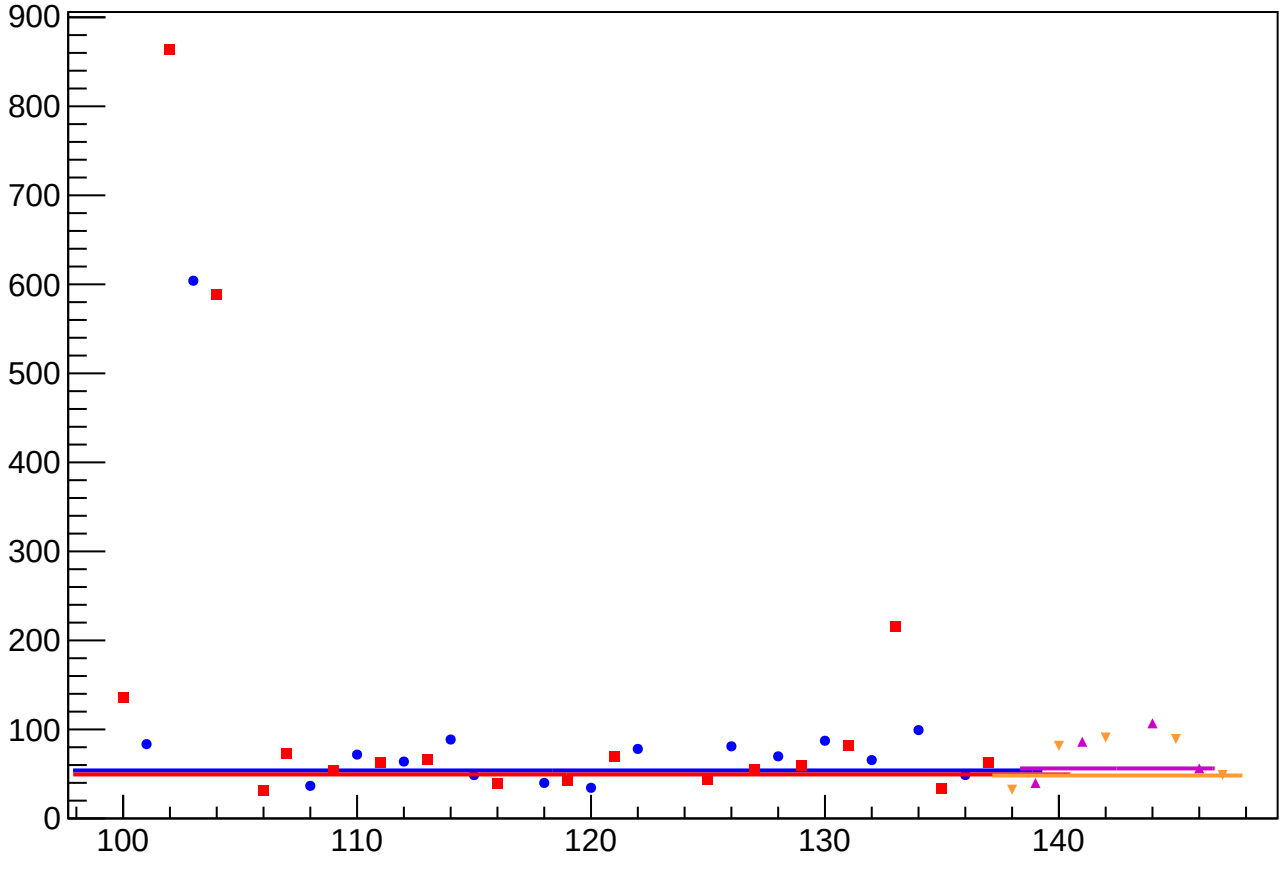
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.007+/-0.019 χ^2/NDF:11.6/19

Out: 0.007+/-0.018 χ^2/NDF:34.2/22

All: 0.000+/-0.013 χ^2/NDF: 46.1/42

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: 48.258+/-0.020 χ^2/NDF:1074358.4/4

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 56.197+/-0.024 χ^2/NDF:828944.2/3

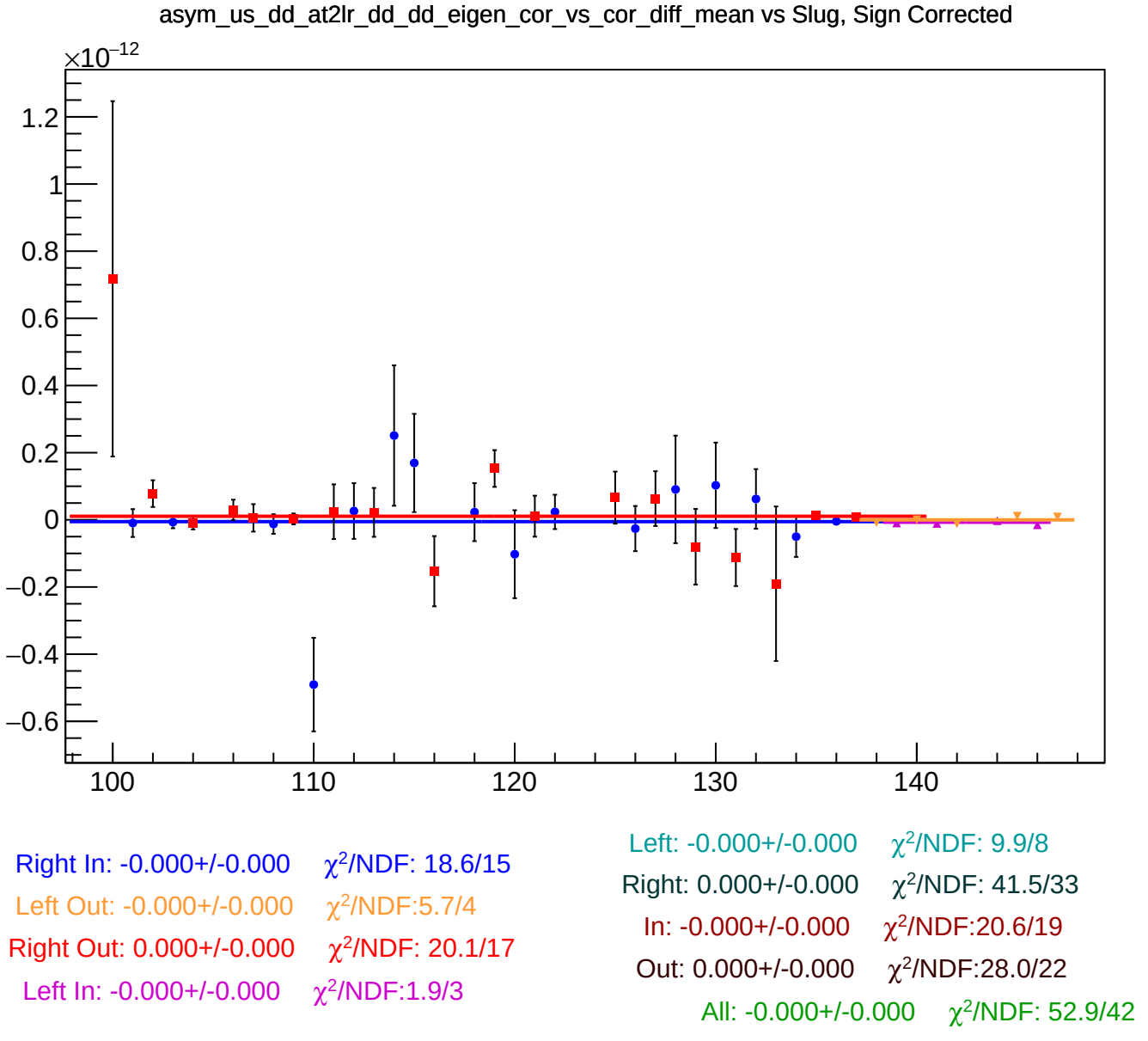
Left: 51.647+/-0.015 χ^2/NDF: 1967622.6/8

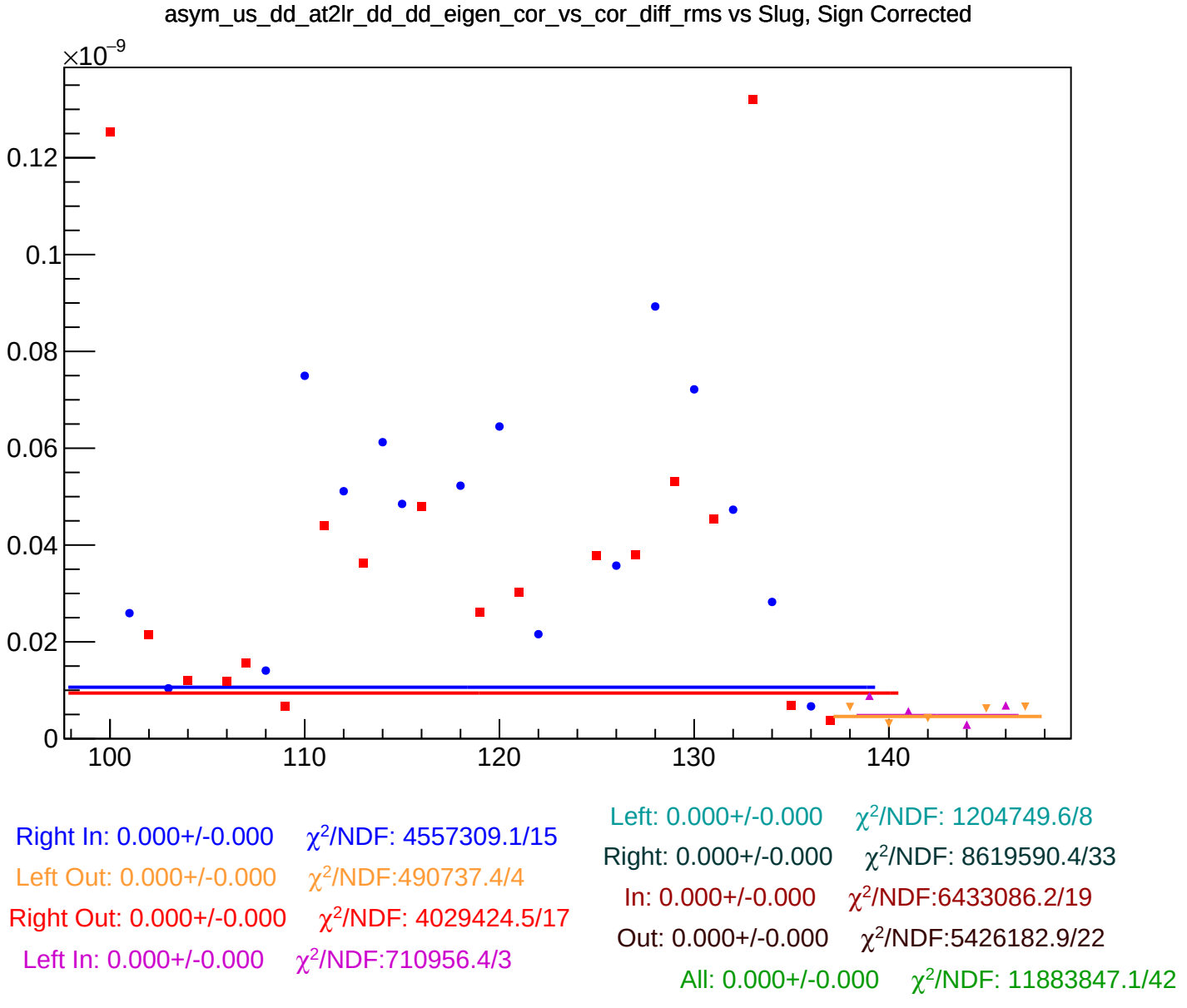
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

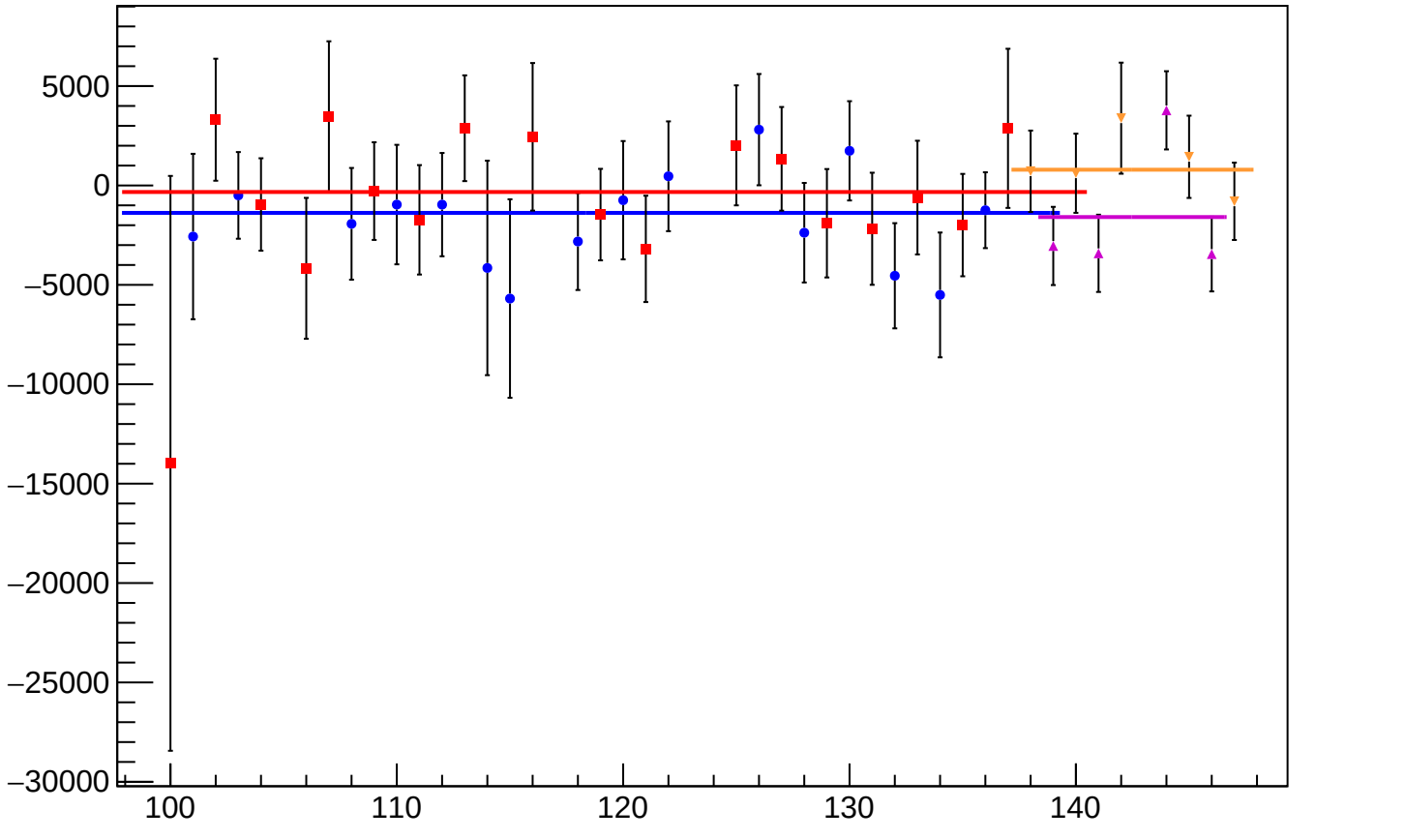
In: 54.660+/-0.013 χ^2/NDF:3049099.8/19

Out: 48.990+/-0.012 χ^2/NDF:4093834.1/22

All: 51.608+/-0.009 χ^2/NDF: 7238556.7/42


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:5.7/4
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:1.9/3
Left: -0.000+/-0.000 χ²/NDF: 9.9/8
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:20.6/19
Out: 0.000+/-0.000 χ²/NDF:28.0/22
All: -0.000+/-0.000 χ²/NDF: 52.9/42


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 4557309.1/15
Left Out: 0.000+/-0.000 χ²/NDF:490737.4/4
Right Out: 0.000+/-0.000 χ²/NDF: 4029424.5/17
Left In: 0.000+/-0.000 χ²/NDF:710956.4/3
Left: 0.000+/-0.000 χ²/NDF: 1204749.6/8
Right: 0.000+/-0.000 χ²/NDF: 8619590.4/33
In: 0.000+/-0.000 χ²/NDF:6433086.2/19
Out: 0.000+/-0.000 χ²/NDF:5426182.9/22
All: 0.000+/-0.000 χ²/NDF: 11883847.1/42



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 792.407+/-946.056 χ^2/NDF:1.6/4

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -1589.123+/-969.087 χ^2/NDF:9.9/3

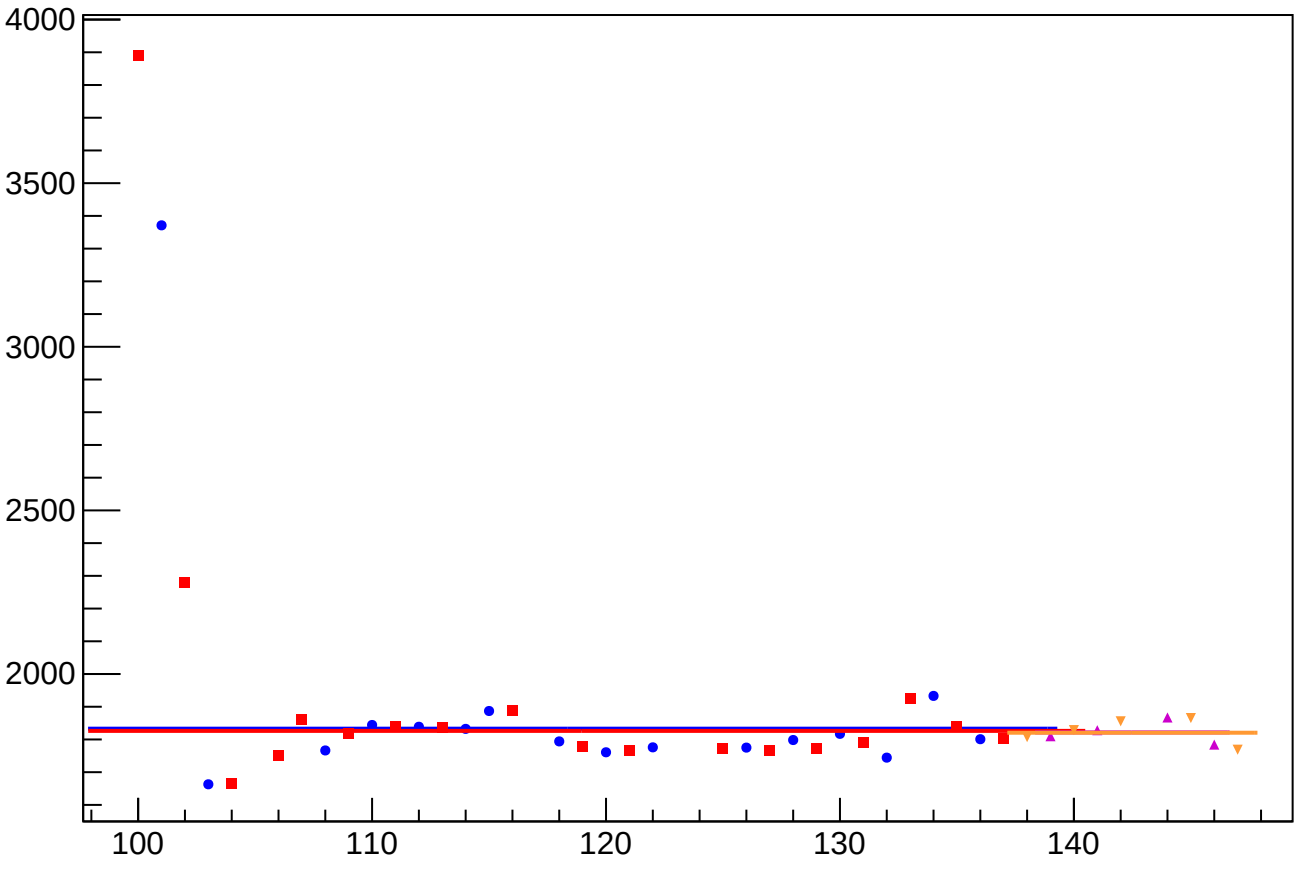
Left: -369.723+/-676.958 χ^2/NDF: 14.6/8

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1449.395+/-561.555 χ^2/NDF:19.2/19

Out: 56.031+/-554.240 χ^2/NDF:13.6/22

All: -686.813+/-394.468 χ^2/NDF: 36.4/42



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1820.592+/-0.669 χ^2/NDF:2793.6/4

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

Left: 1821.058+/-0.479 χ^2/NDF: 4752.8/8

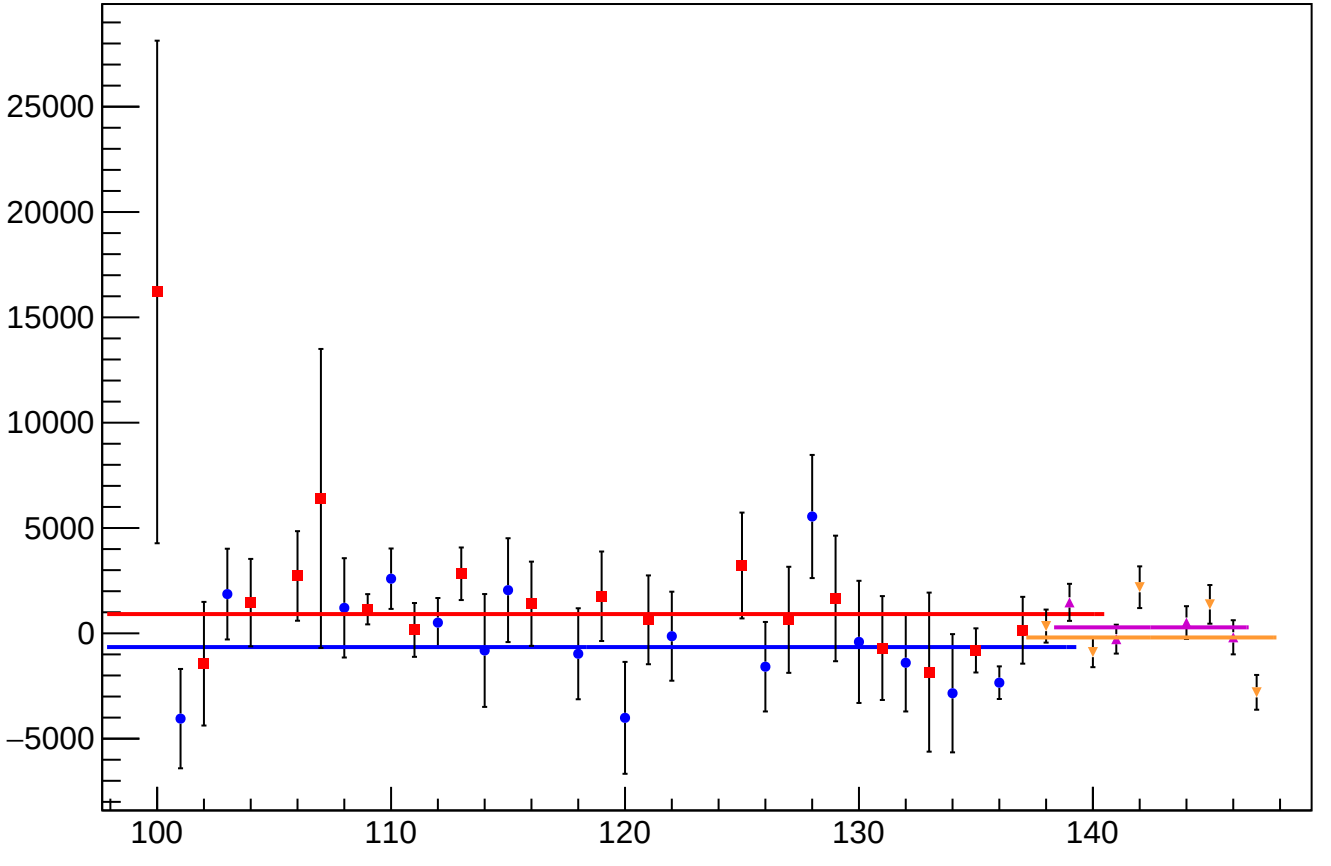
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1829.119+/-0.397 χ^2/NDF:297581.4/19

Out: 1824.281+/-0.392 χ^2/NDF:105846.4/22

All: 1826.668+/-0.279 χ^2/NDF: 403503.0/42

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -195.734+/-371.298 χ^2/NDF:20.1/4

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 284.392+/-389.564 χ^2/NDF:2.9/3

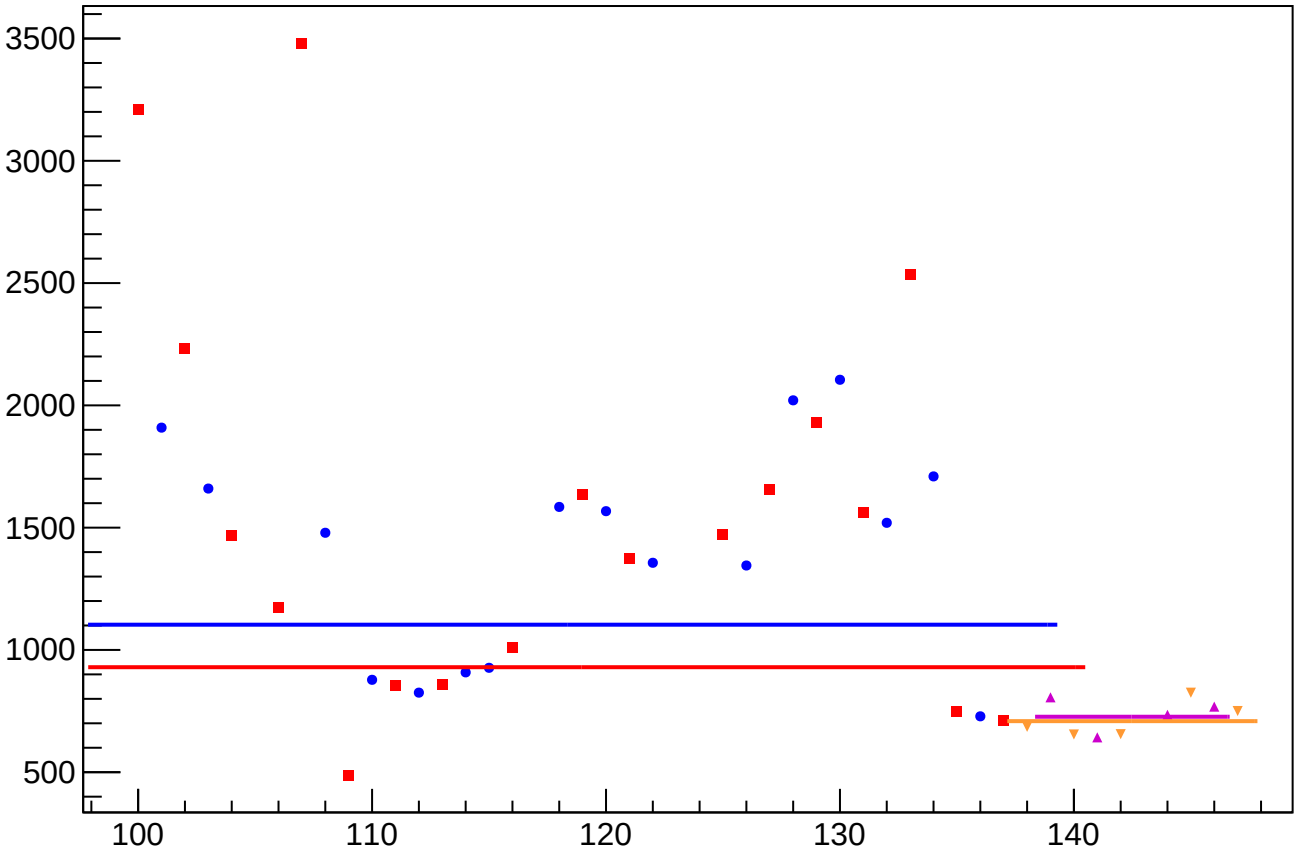
Left: 32.809+/-268.773 χ^2/NDF: 23.8/8

Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -124.827+/-292.292 χ^2/NDF:28.7/19

Out: 327.393+/-270.030 χ^2/NDF:35.9/22

All: 119.158+/-198.344 χ^2/NDF: 65.8/42



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 708.805+/-0.263 χ^2/NDF:56297.7/4

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 726.814+/-0.275 χ^2/NDF:51869.5/3

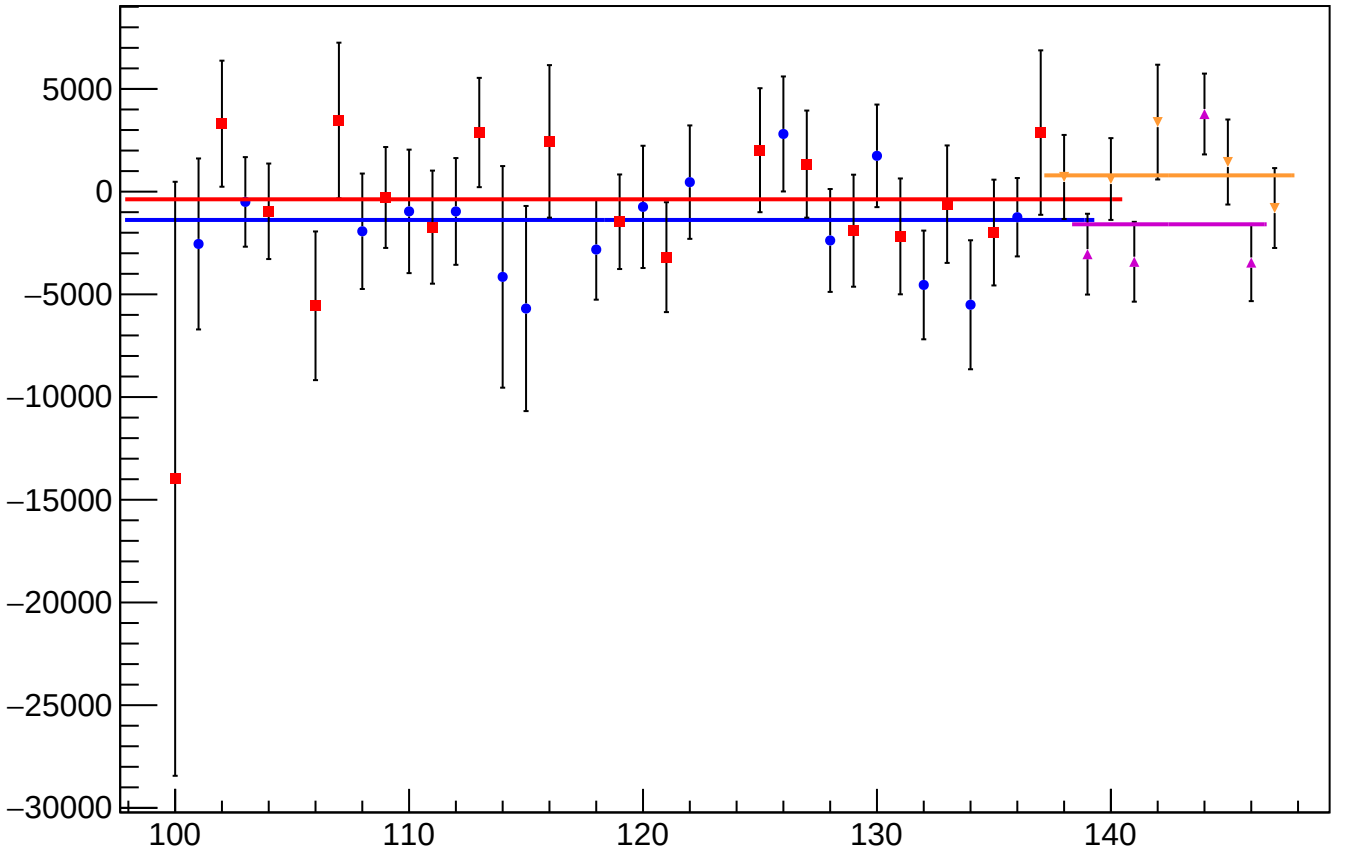
Left: 717.377+/-0.190 χ^2/NDF: 110406.9/8

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 891.303+/-0.207 χ^2/NDF:2745921.9/19

Out: 812.706+/-0.191 χ^2/NDF:3442829.8/22

All: 848.898+/-0.140 χ^2/NDF: 6266776.5/42



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 792.517+/-946.056 χ^2/NDF:1.6/4

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1589.293+/-969.087 χ^2/NDF:9.9/3

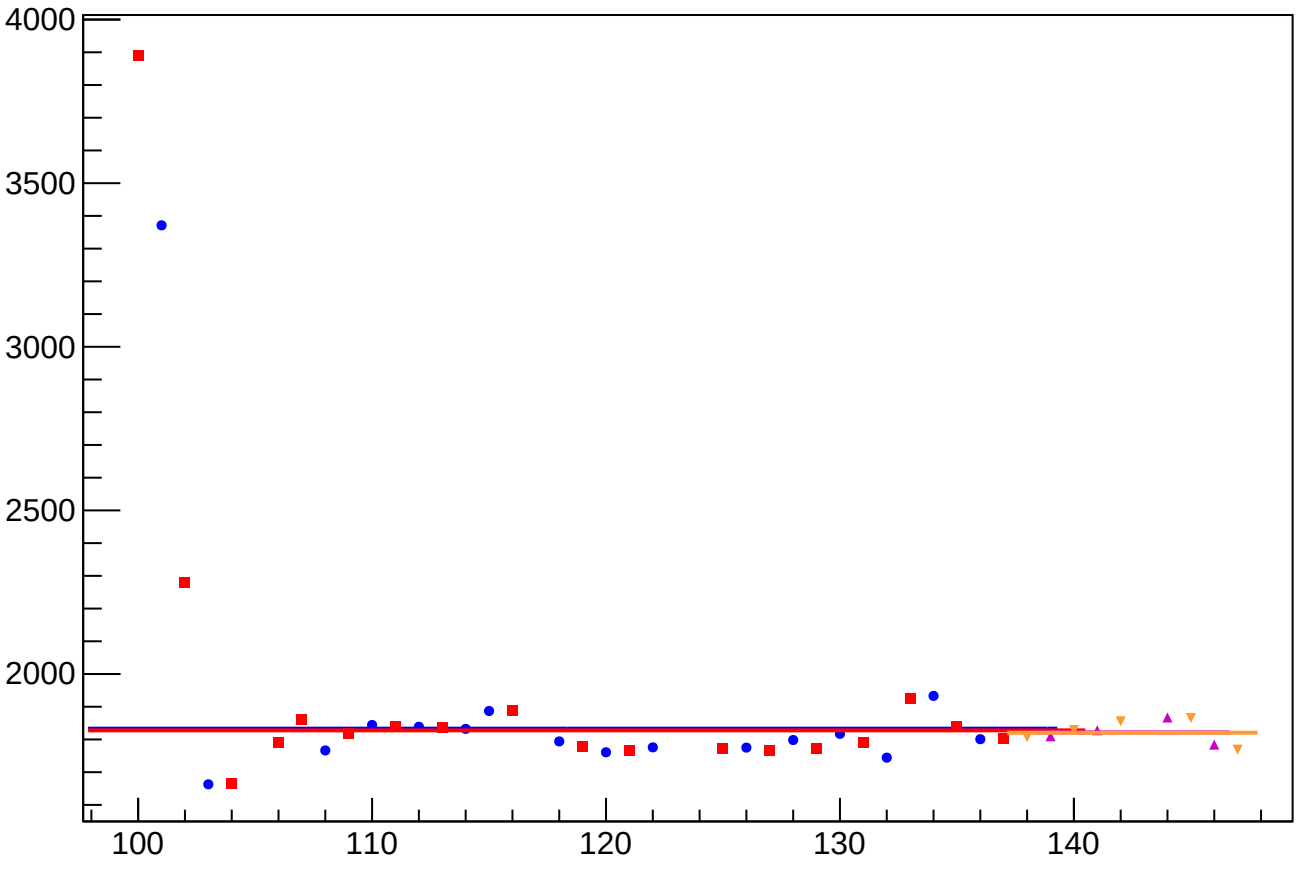
Left: -369.750+/-676.958 χ^2/NDF: 14.6/8

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1449.037+/-561.556 χ^2/NDF:19.2/19

Out: 27.725+/-554.517 χ^2/NDF:14.6/22

All: -701.343+/-394.568 χ^2/NDF: 37.3/42



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1820.592+/-0.669 χ^2/NDF:2793.6/4

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

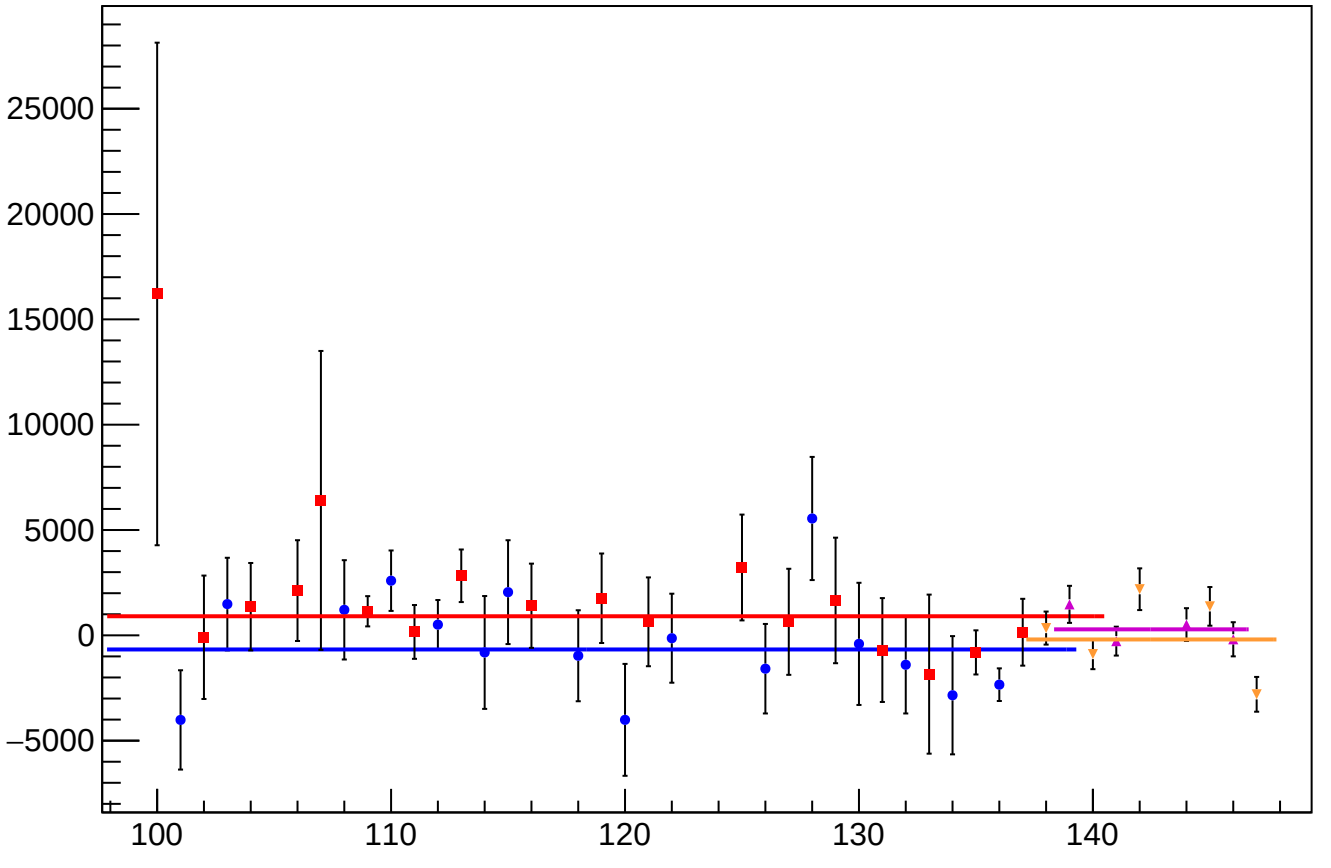
Left: 1821.058+/-0.479 χ^2/NDF: 4752.8/8

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1829.119+/-0.397 χ^2/NDF:297583.2/19

Out: 1825.314+/-0.392 χ^2/NDF:105139.8/22

All: 1827.192+/-0.279 χ^2/NDF: 402769.5/42



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -195.750+/-371.303 χ^2/NDF:20.1/4

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 284.346+/-389.562 χ^2/NDF:2.9/3

Left: 32.783+/-268.774 χ^2/NDF: 23.8/8

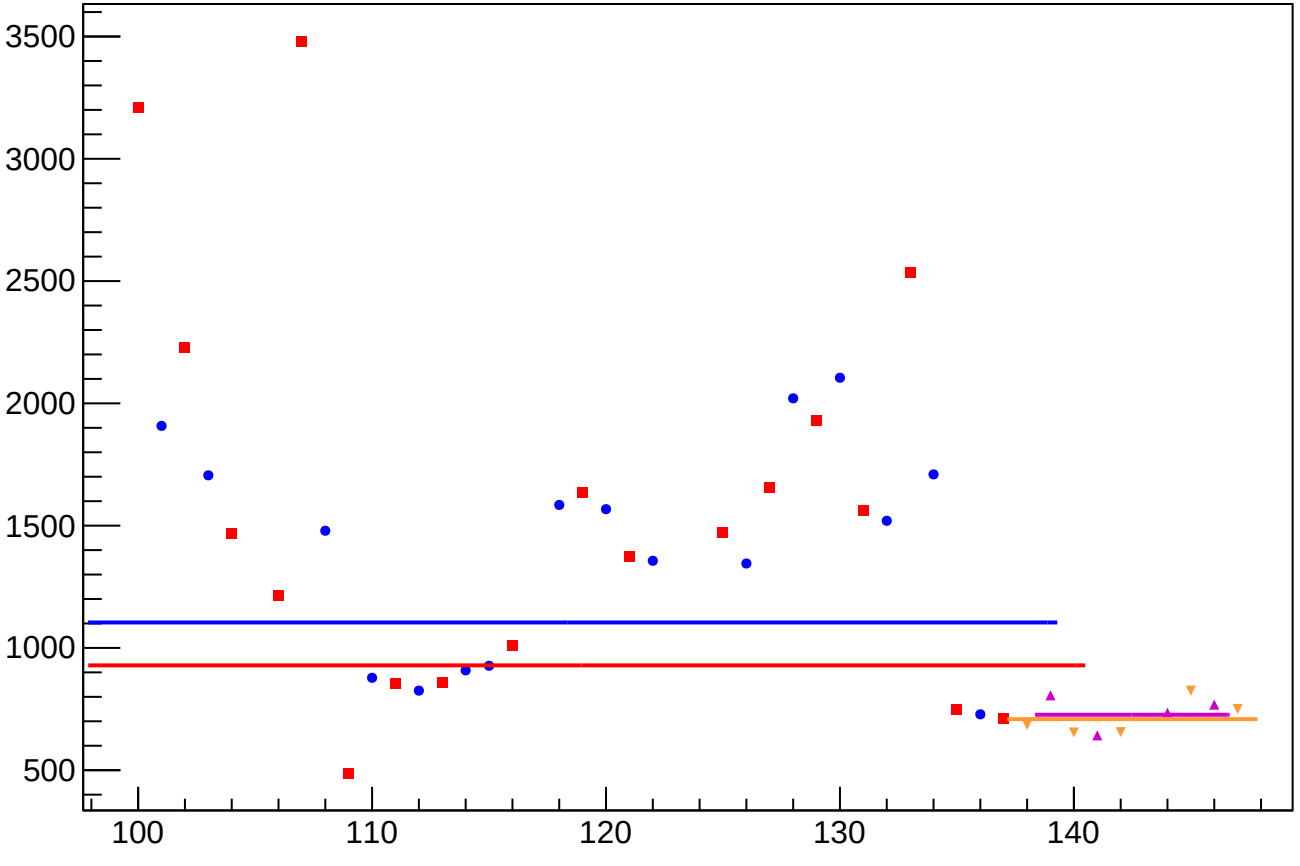
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -132.584+/-292.398 χ^2/NDF:28.3/19

Out: 321.286+/-270.481 χ^2/NDF:34.7/22

All: 111.997+/-198.556 χ^2/NDF: 64.3/42

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: 708.815+/-0.263 χ^2/NDF:56295.0/4

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 726.810+/-0.275 χ^2/NDF:51888.5/3

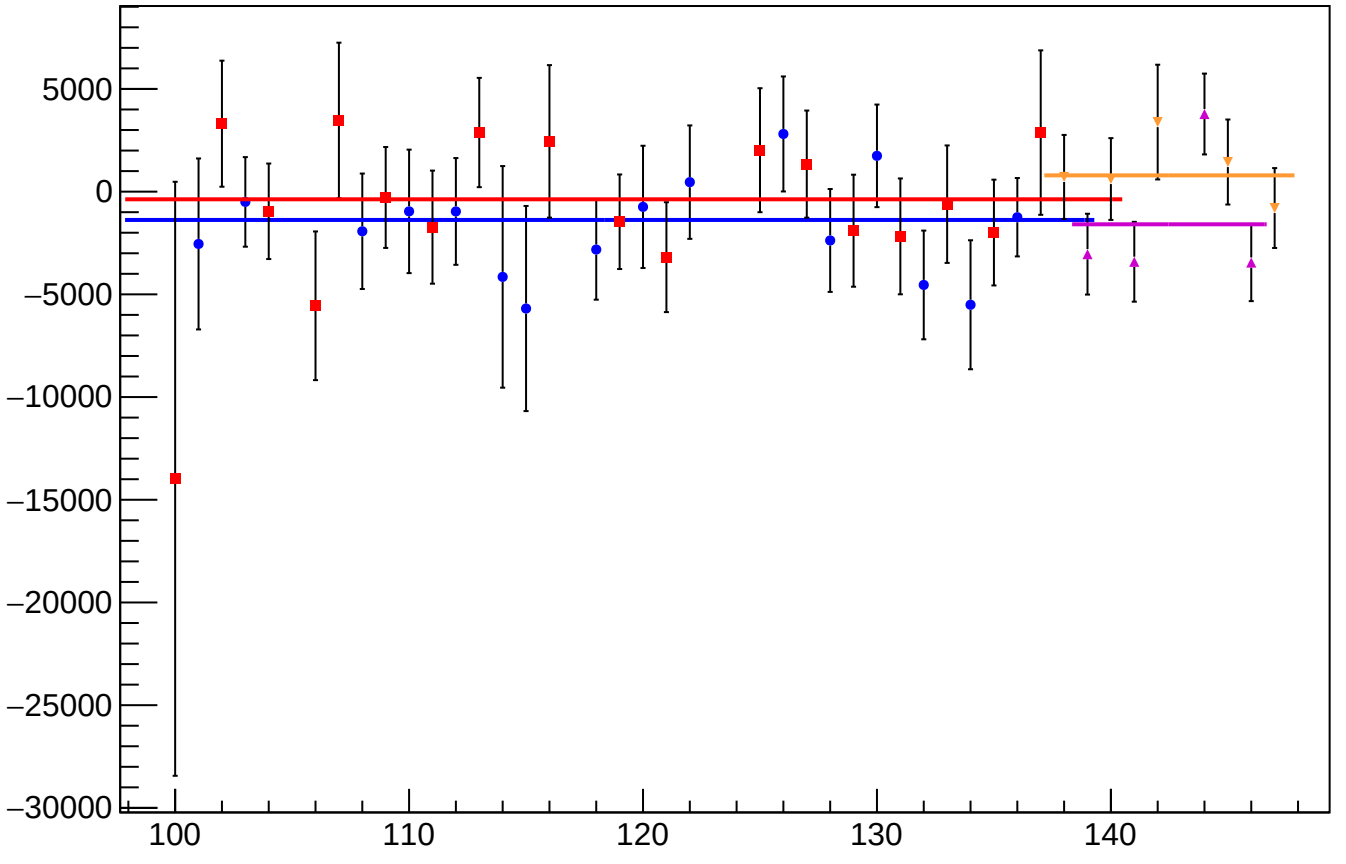
Left: 717.381+/-0.190 χ^2/NDF: 110419.5/8

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 891.546+/-0.207 χ^2/NDF:2765487.1/19

Out: 811.982+/-0.191 χ^2/NDF:3439657.4/22

All: 848.671+/-0.140 χ^2/NDF: 6284944.9/42



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 792.517+/-946.056 χ^2/NDF:1.6/4

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1589.293+/-969.087 χ^2/NDF:9.9/3

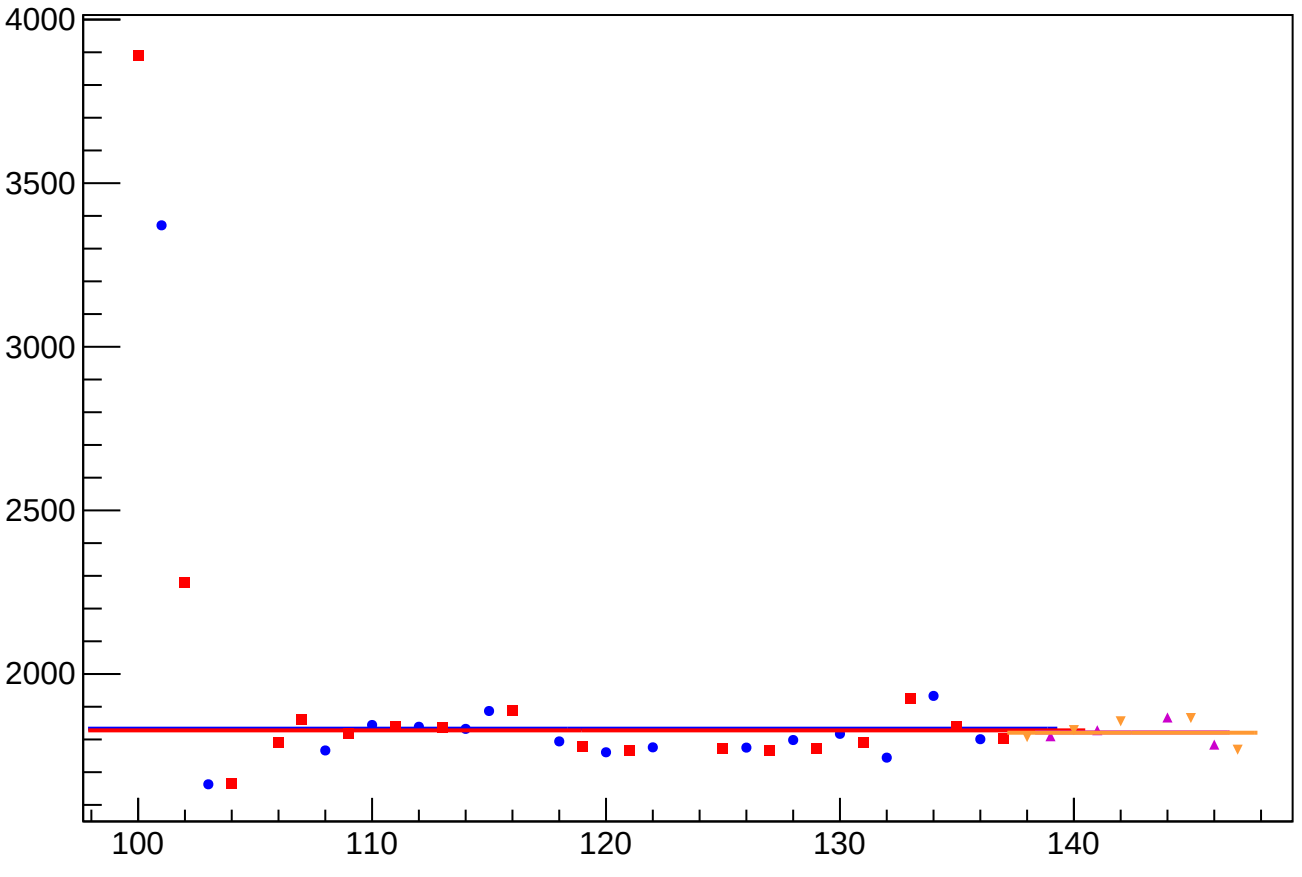
Left: -369.750+/-676.958 χ^2/NDF: 14.6/8

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1449.037+/-561.556 χ^2/NDF:19.2/19

Out: 27.725+/-554.517 χ^2/NDF:14.6/22

All: -701.343+/-394.568 χ^2/NDF: 37.3/42



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1820.592+/-0.669 χ^2/NDF:2793.6/4

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1821.547+/-0.685 χ^2/NDF:1958.2/3

Left: 1821.058+/-0.479 χ^2/NDF: 4752.8/8

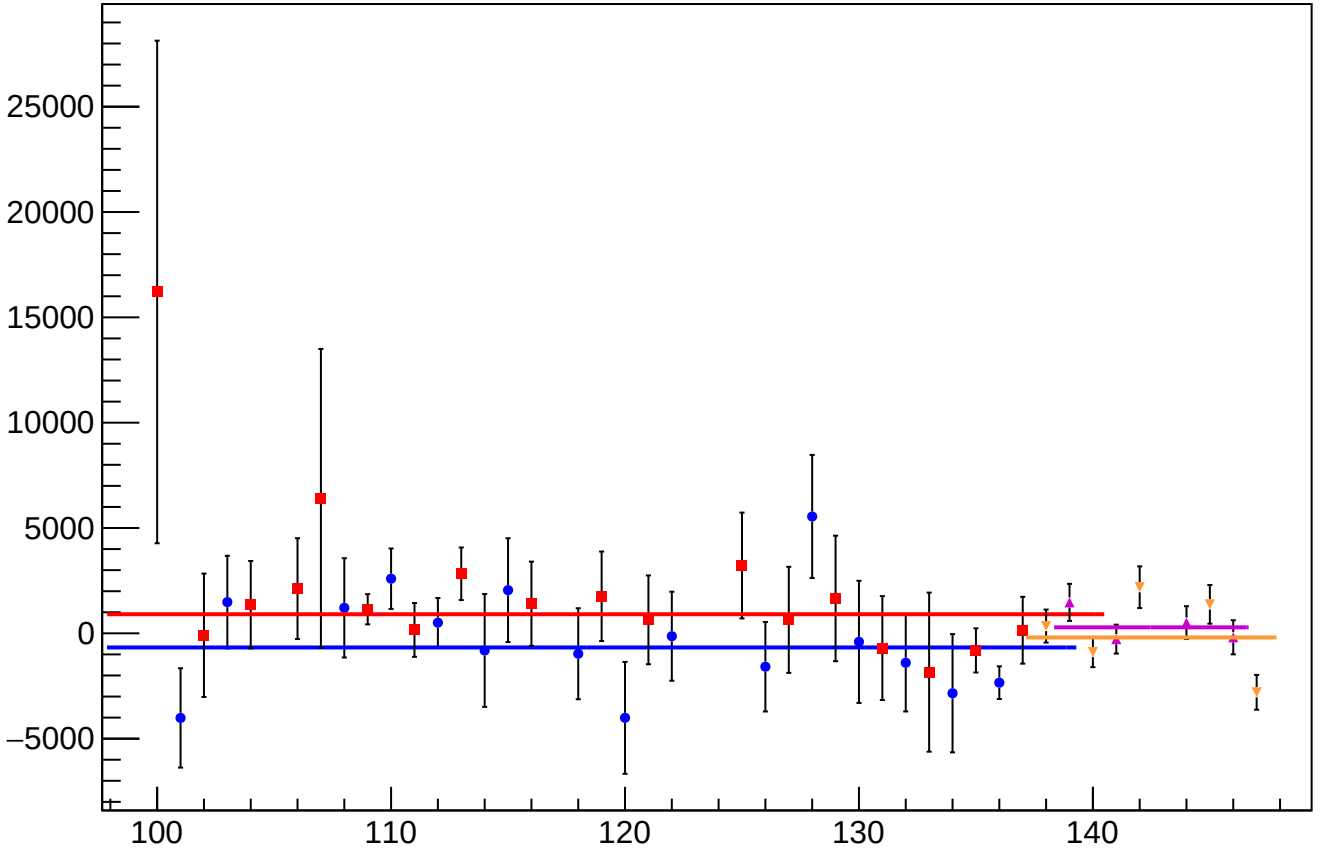
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1829.119+/-0.397 χ^2/NDF:297583.2/19

Out: 1825.314+/-0.392 χ^2/NDF:105139.8/22

All: 1827.192+/-0.279 χ^2/NDF: 402769.5/42

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: -195.750+/-371.303 χ^2/NDF:20.1/4

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 284.346+/-389.562 χ^2/NDF:2.9/3

Left: 32.783+/-268.774 χ^2/NDF: 23.8/8

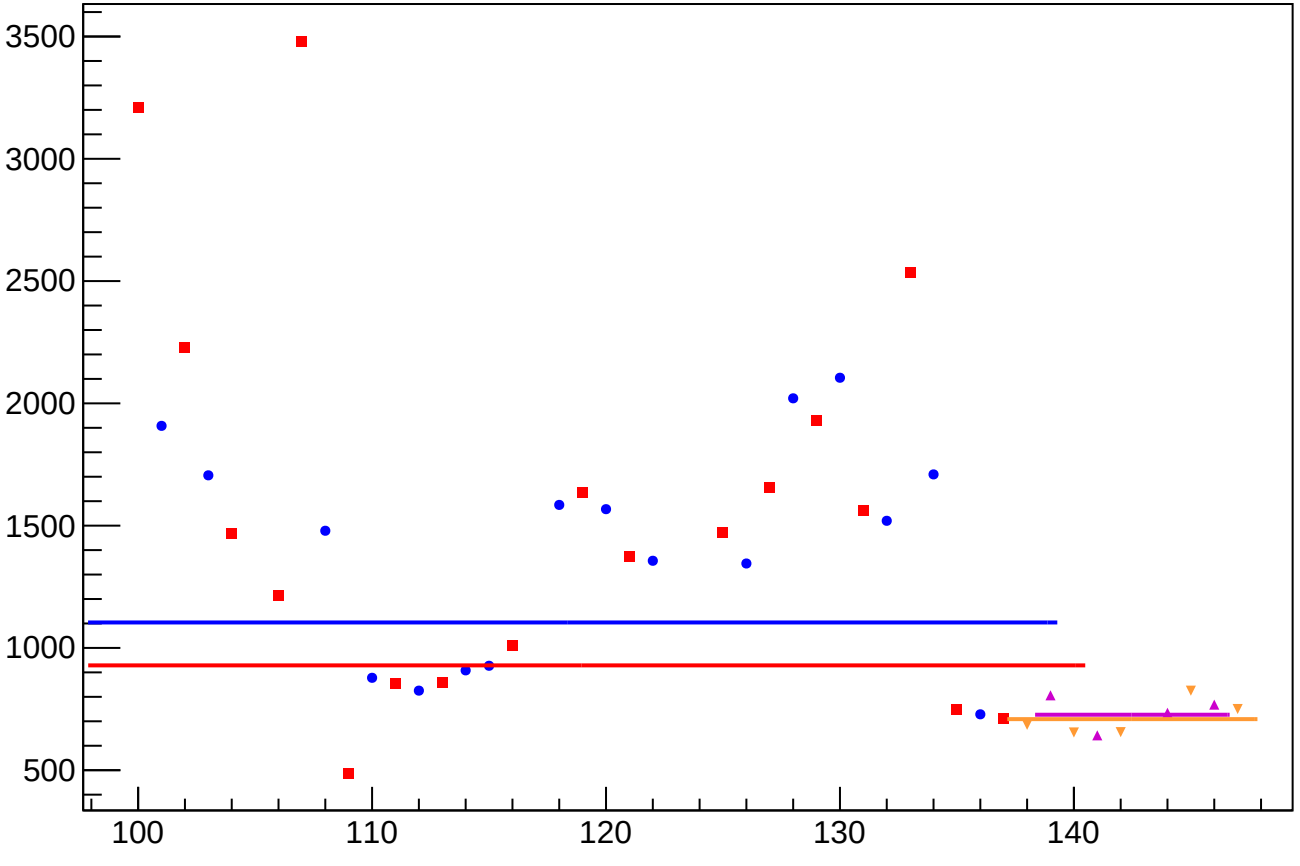
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -132.584+/-292.398 χ^2/NDF:28.3/19

Out: 321.286+/-270.481 χ^2/NDF:34.7/22

All: 111.997+/-198.556 χ^2/NDF: 64.3/42

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: 708.815+/-0.263 χ^2/NDF:56295.0/4

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 726.810+/-0.275 χ^2/NDF:51888.5/3

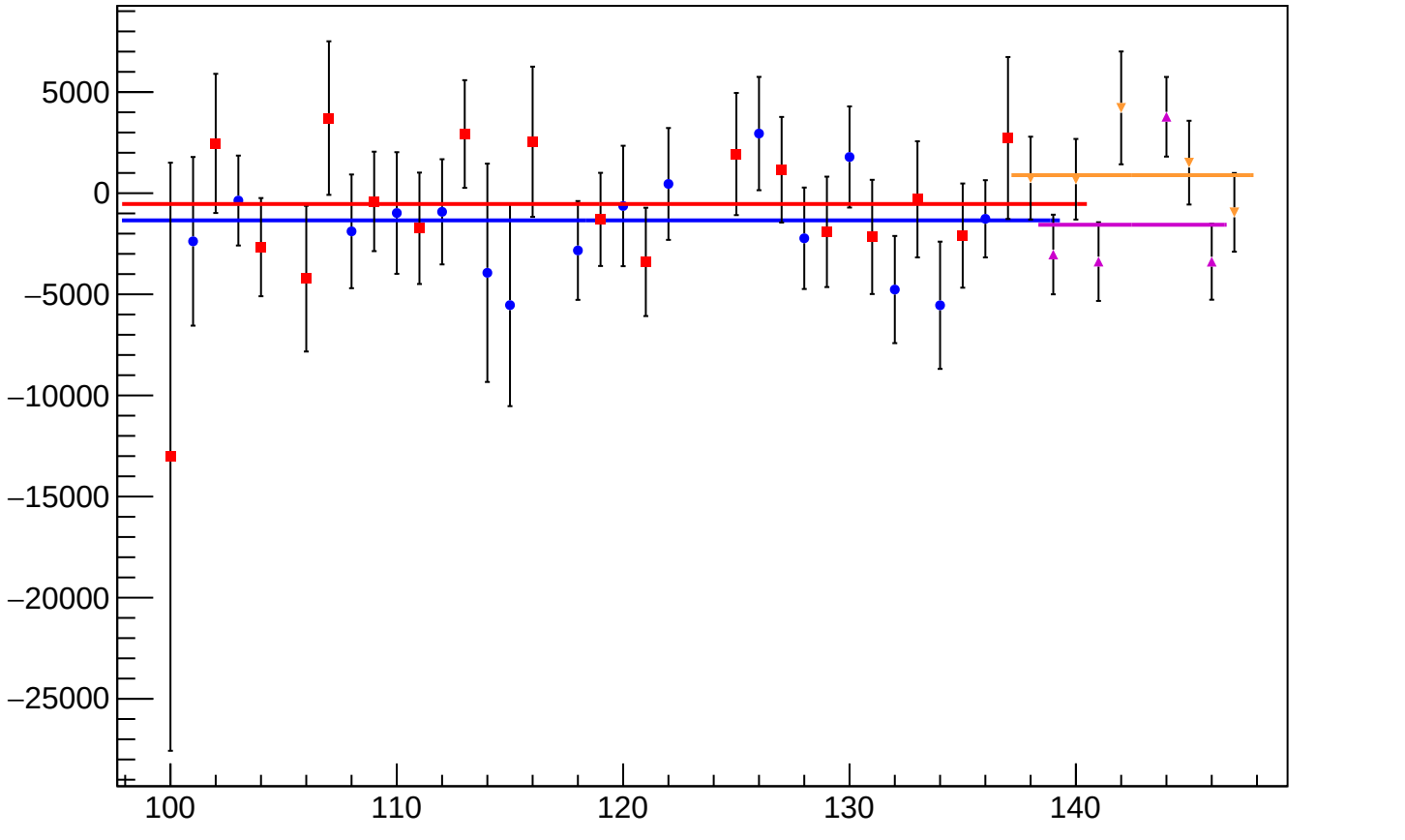
Left: 717.381+/-0.190 χ^2/NDF: 110419.5/8

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 891.546+/-0.207 χ^2/NDF:2765487.1/19

Out: 811.982+/-0.191 χ^2/NDF:3439657.4/22

All: 848.671+/-0.140 χ^2/NDF: 6284944.9/42



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 891.410+/-946.529 χ^2/NDF:2.4/4

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -1560.918+/-969.872 χ^2/NDF:9.7/3

Left: -304.887+/-677.399 χ^2/NDF: 15.4/8

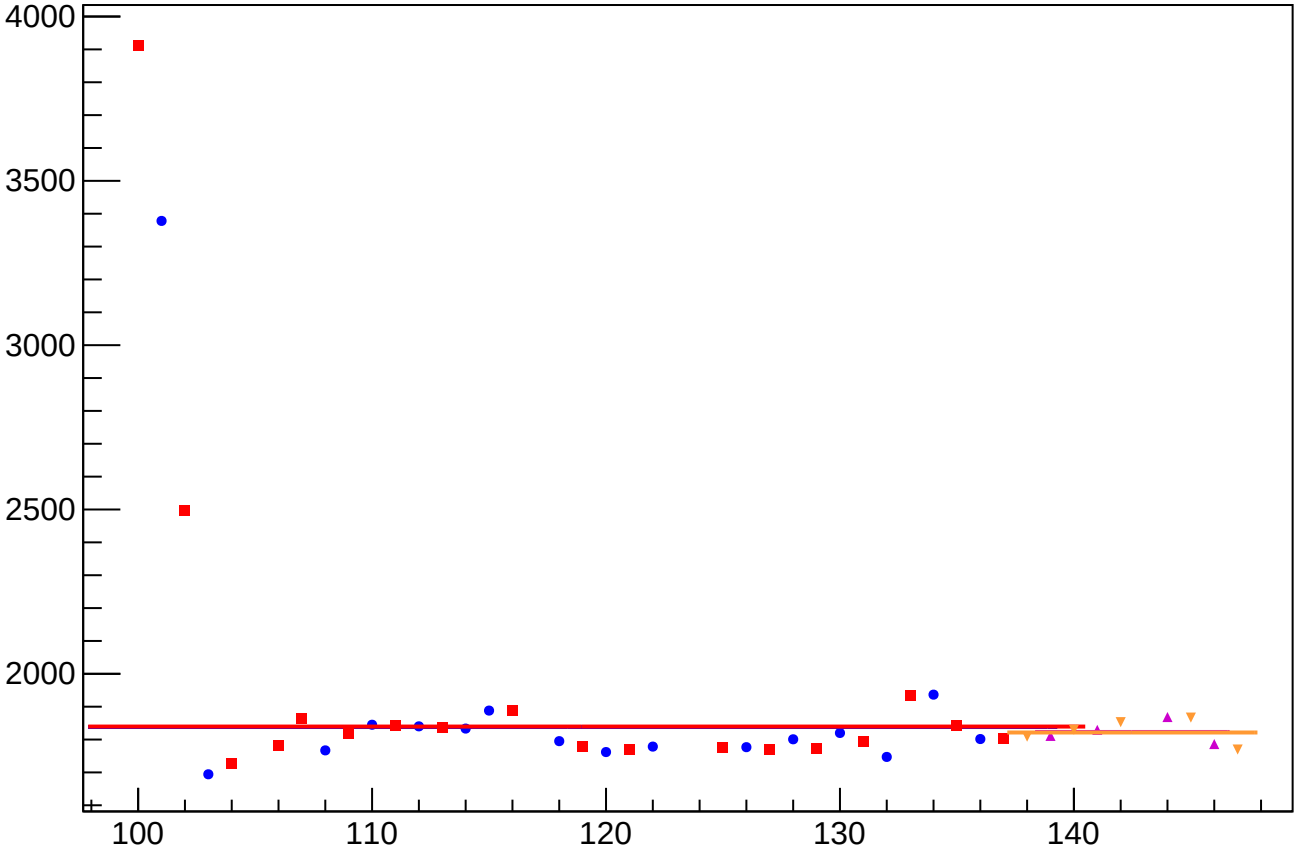
Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1416.995+/-562.742 χ^2/NDF:19.4/19

Out: -38.590+/-558.086 χ^2/NDF:15.0/22

All: -722.068+/-396.262 χ^2/NDF: 37.4/42

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1821.467+/-0.669 χ^2/NDF:2742.8/4

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1823.023+/-0.686 χ^2/NDF:1924.6/3

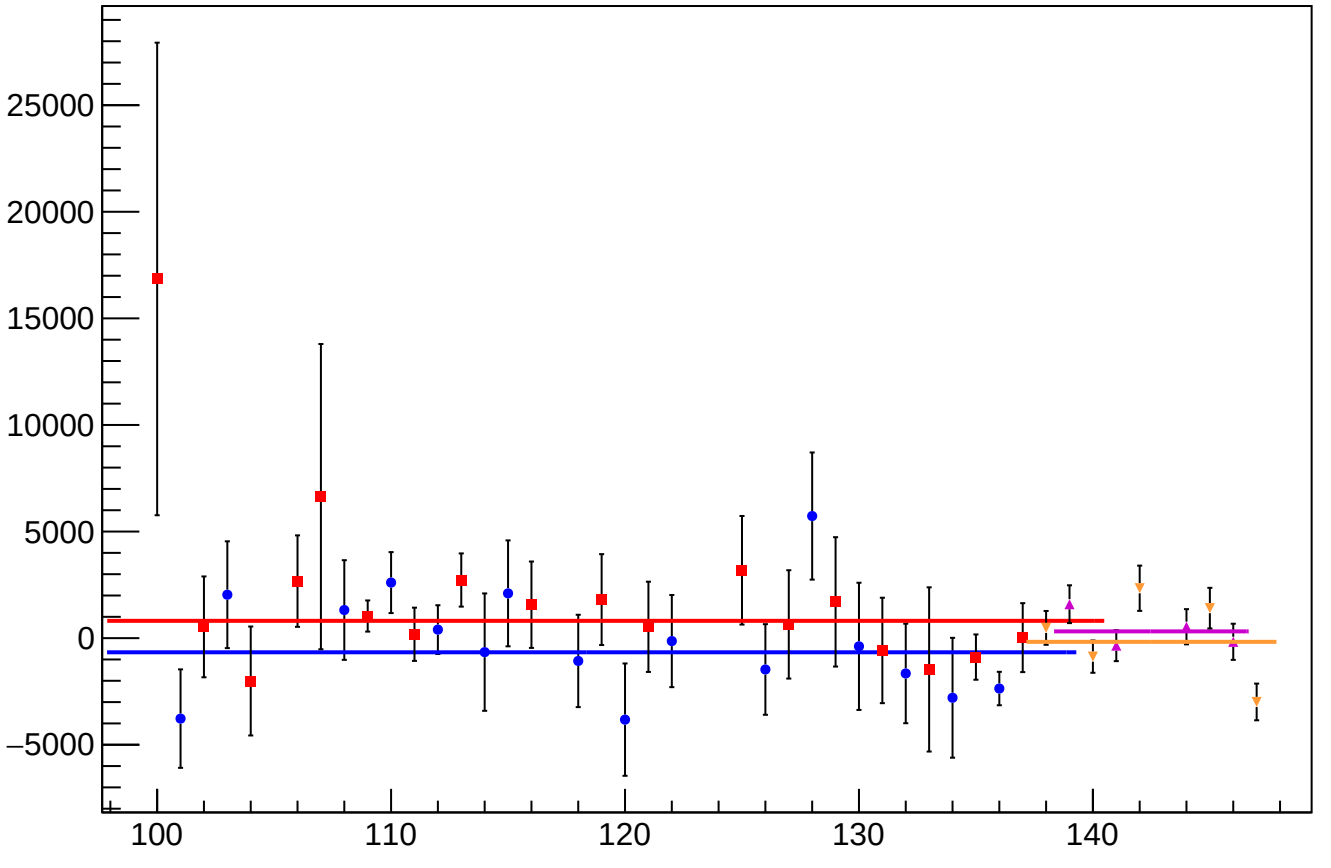
Left: 1822.226+/-0.479 χ^2/NDF: 4670.0/8

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1833.064+/-0.398 χ^2/NDF:294231.8/19

Out: 1833.242+/-0.395 χ^2/NDF:131470.8/22

All: 1833.154+/-0.280 χ^2/NDF: 425702.6/42



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -173.492+/-387.227 χ^2/NDF:20.6/4

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 317.624+/-407.572 χ^2/NDF:3.3/3

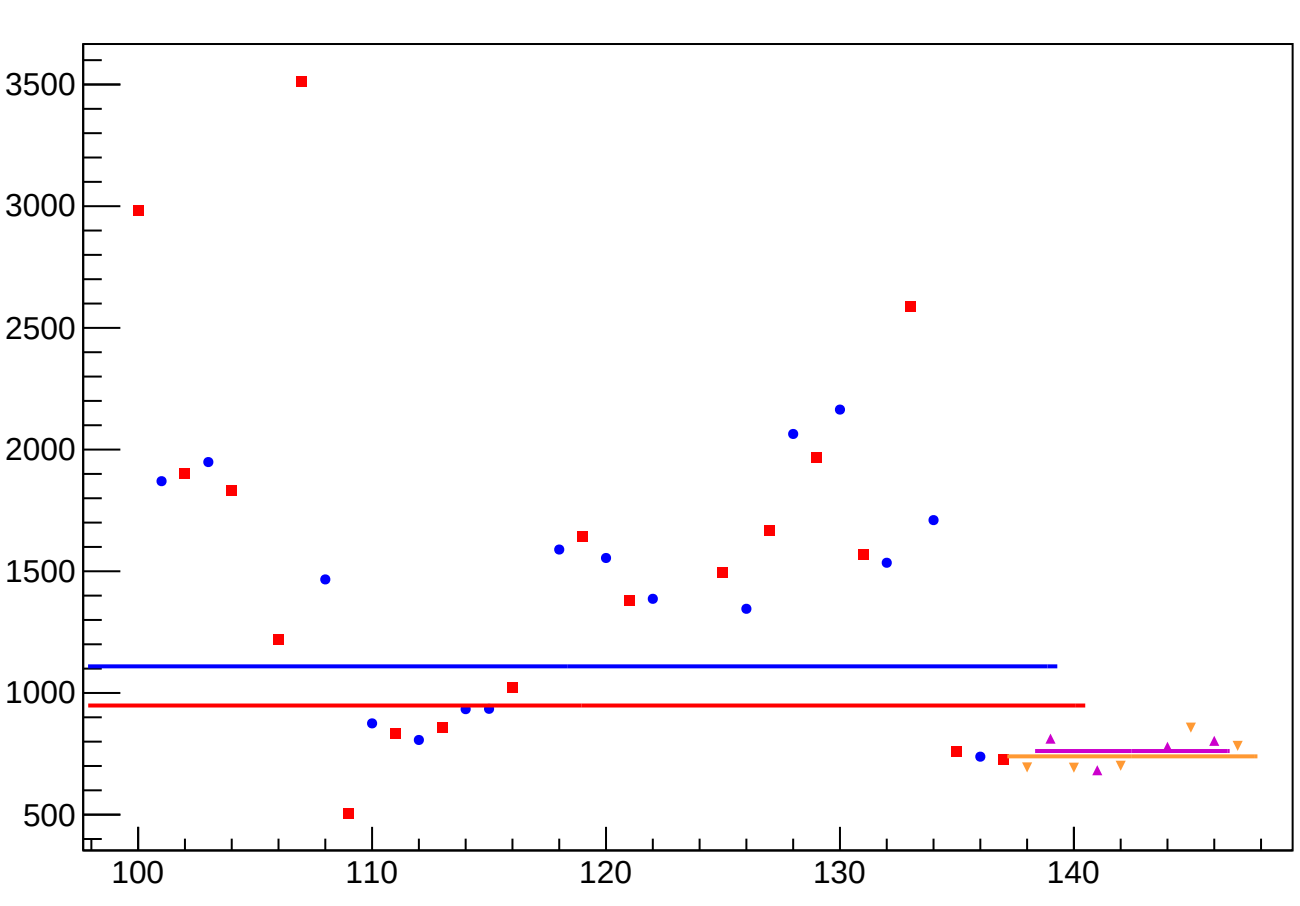
Left: 59.503+/-280.728 χ^2/NDF: 24.7/8

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -128.958+/-300.837 χ^2/NDF:28.7/19

Out: 306.834+/-277.265 χ^2/NDF:36.0/22

All: 106.678+/-203.881 χ^2/NDF: 65.9/42



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 739.535+/-0.274 χ^2/NDF:52443.4/4

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 761.488+/-0.288 χ^2/NDF:35867.2/3

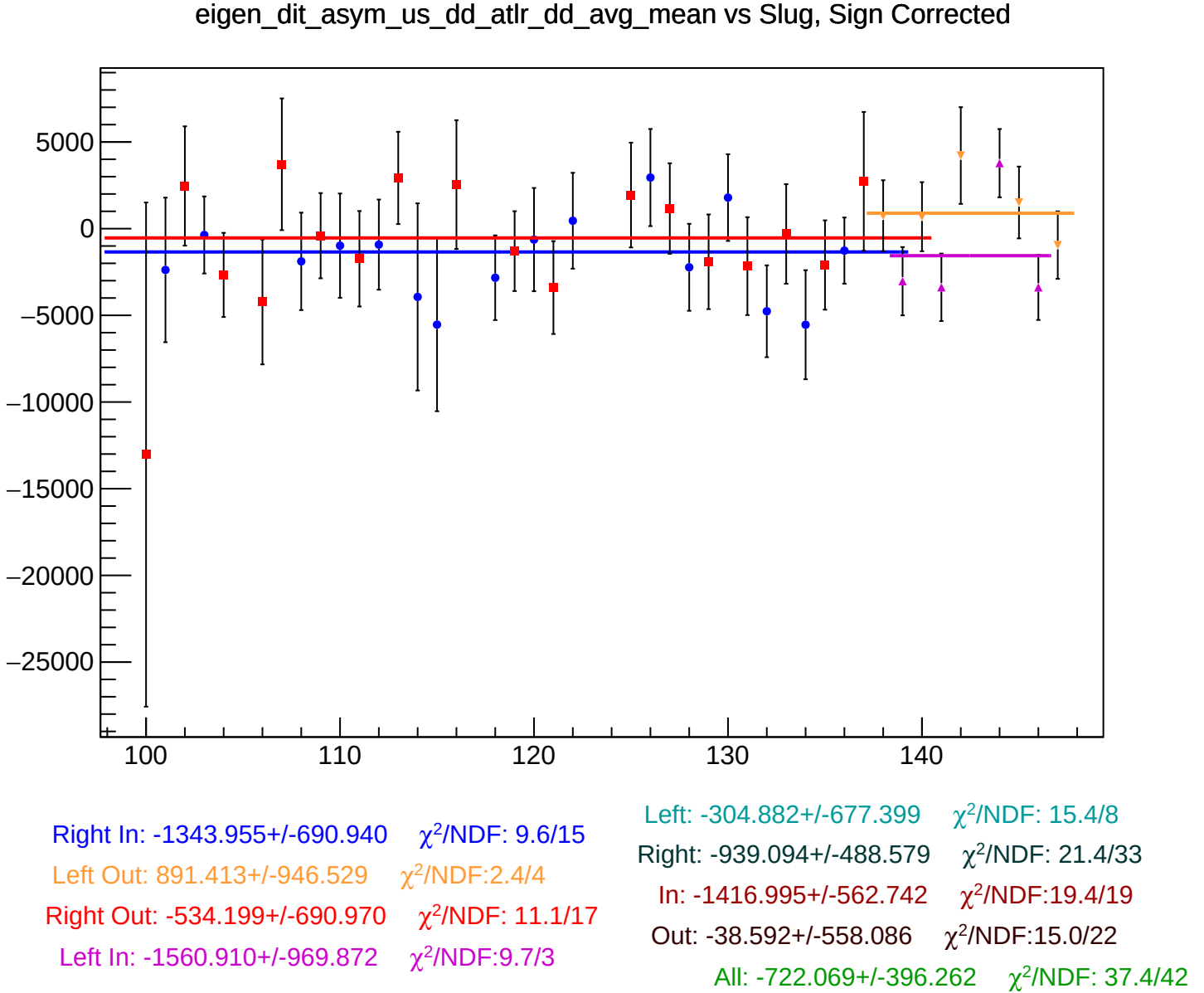
Left: 749.950+/-0.199 χ^2/NDF: 91360.2/8

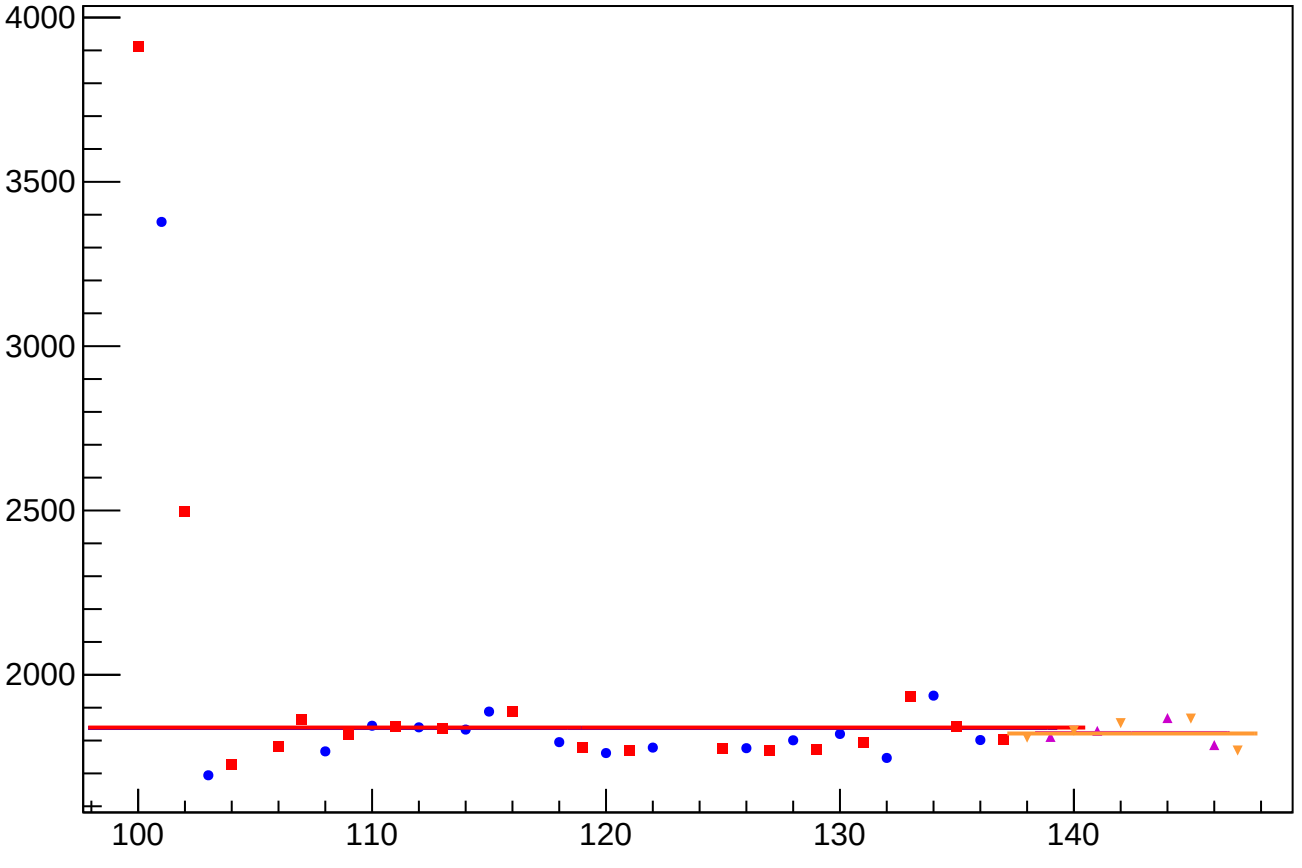
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 919.833+/-0.213 χ^2/NDF:2672432.3/19

Out: 841.335+/-0.196 χ^2/NDF:3389768.0/22

All: 877.388+/-0.144 χ^2/NDF: 6135829.3/42


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: 891.413+/-946.529 χ²/NDF:2.4/4
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -1560.910+/-969.872 χ²/NDF:9.7/3
Left: -304.882+/-677.399 χ²/NDF: 15.4/8
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1416.995+/-562.742 χ²/NDF:19.4/19
Out: -38.592+/-558.086 χ²/NDF:15.0/22
All: -722.069+/-396.262 χ²/NDF: 37.4/42



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1821.467+/-0.669 χ^2/NDF:2742.8/4

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1823.023+/-0.686 χ^2/NDF:1924.6/3

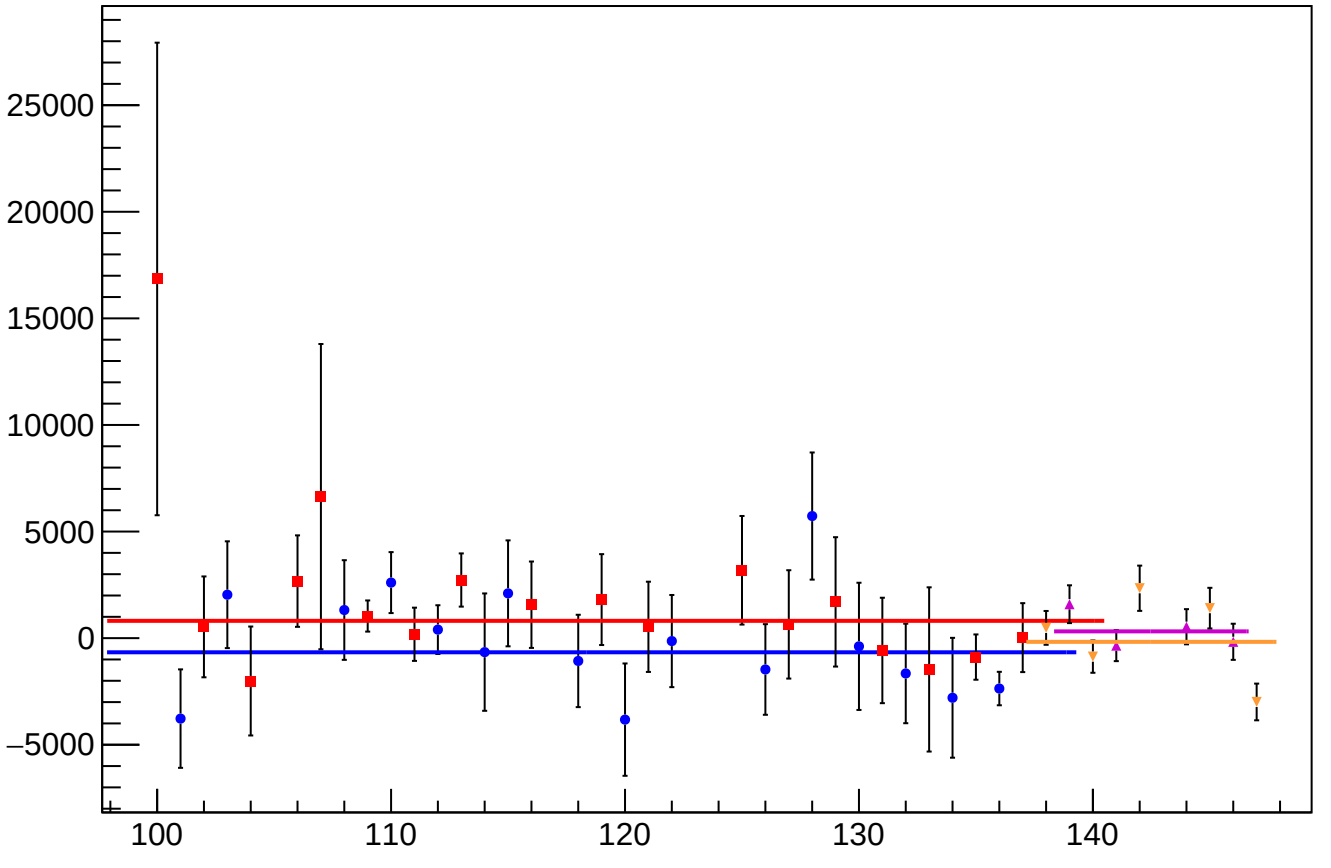
Left: 1822.226+/-0.479 χ^2/NDF: 4670.0/8

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1833.063+/-0.398 χ^2/NDF:294231.7/19

Out: 1833.242+/-0.395 χ^2/NDF:131470.8/22

All: 1833.154+/-0.280 χ^2/NDF: 425702.6/42



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -173.497+/-387.229 χ^2/NDF:20.6/4

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 317.619+/-407.573 χ^2/NDF:3.3/3

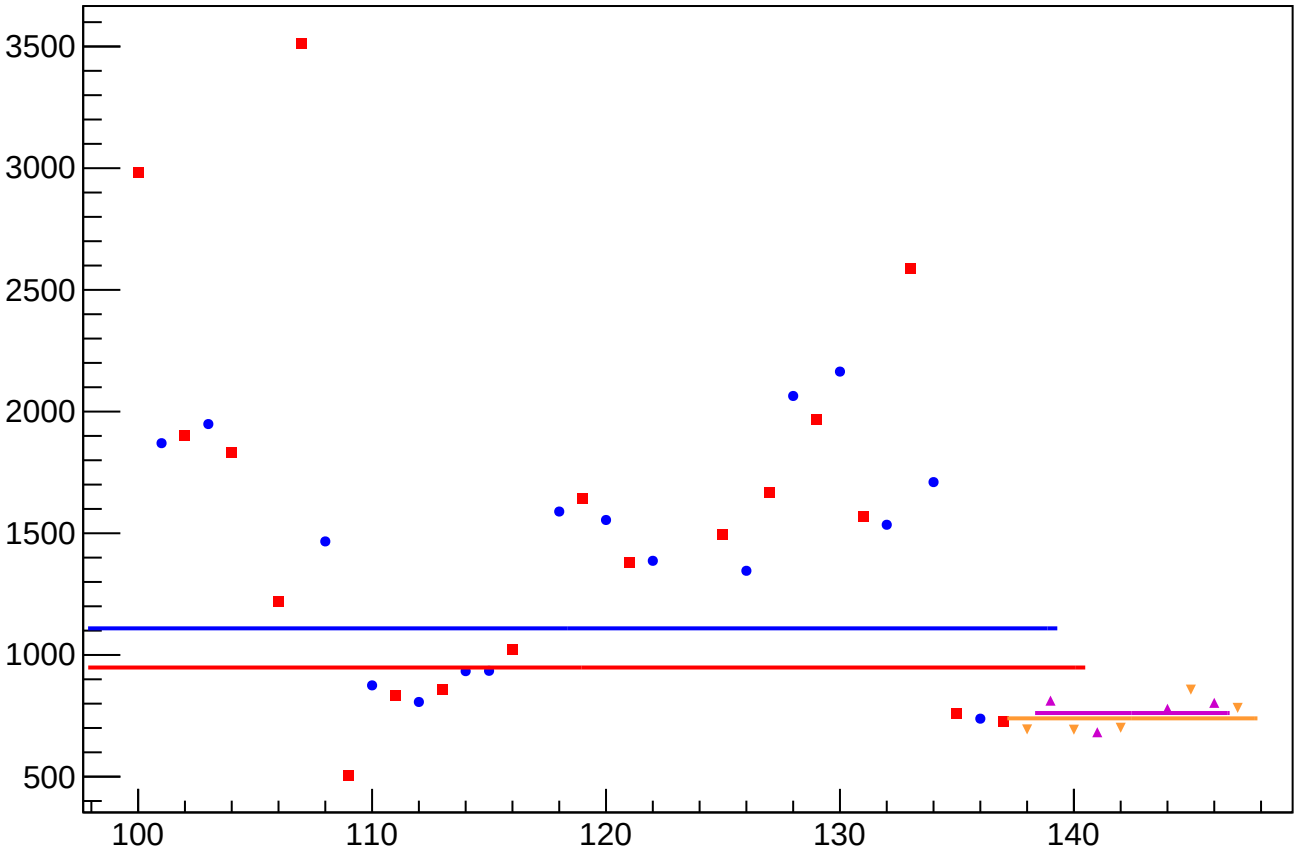
Left: 59.499+/-280.729 χ^2/NDF: 24.7/8

Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -128.955+/-300.838 χ^2/NDF:28.7/19

Out: 306.837+/-277.266 χ^2/NDF:36.0/22

All: 106.681+/-203.881 χ^2/NDF: 65.9/42



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 739.540+/-0.274 χ^2/NDF:52436.8/4

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 761.490+/-0.288 χ^2/NDF:35868.0/3

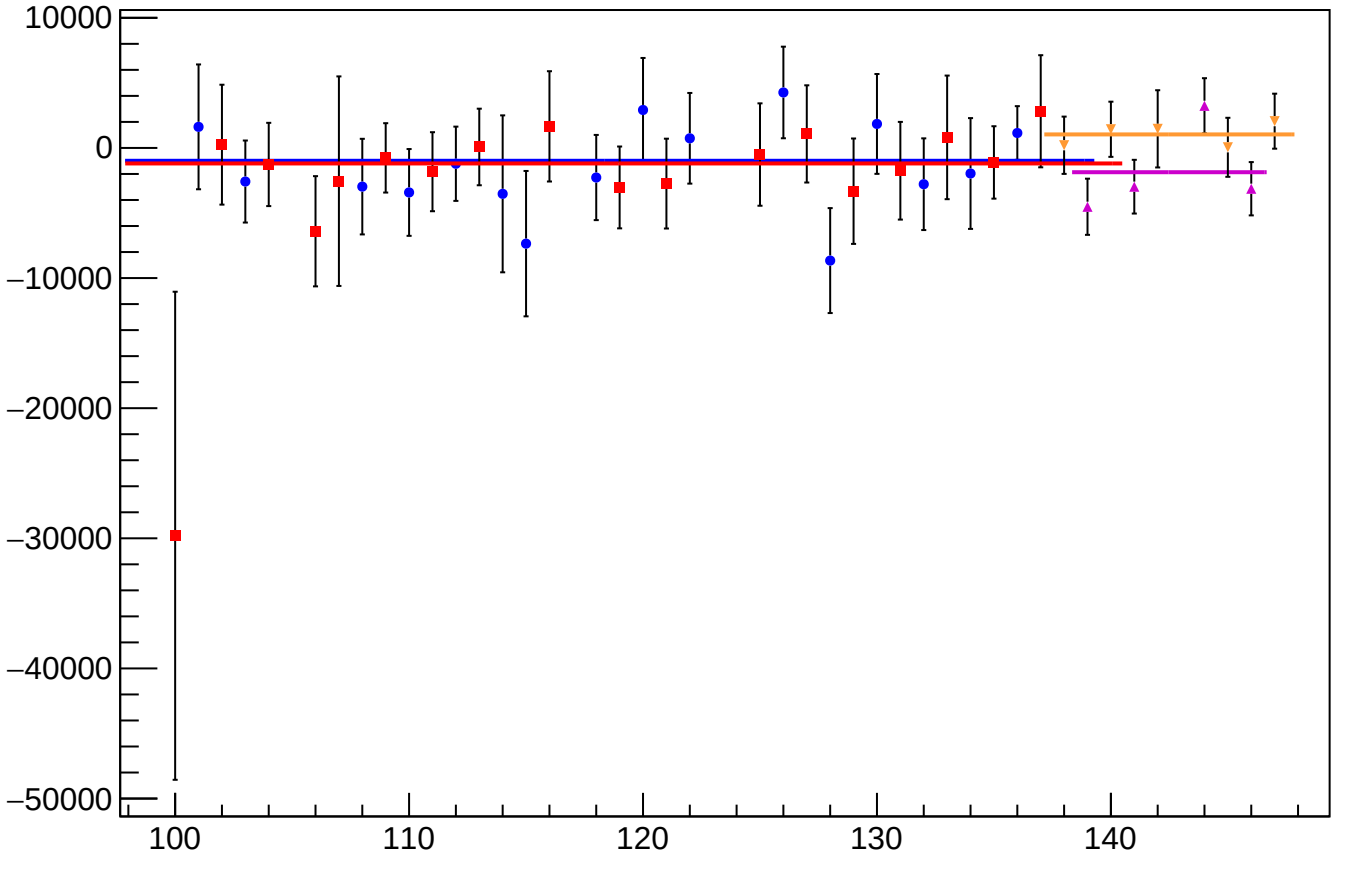
Left: 749.954+/-0.199 χ^2/NDF: 91353.6/8

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 919.835+/-0.213 χ^2/NDF:2672395.3/19

Out: 841.339+/-0.196 χ^2/NDF:3389726.2/22

All: 877.392+/-0.144 χ^2/NDF: 6135746.9/42



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1039.254+/-1020.238 χ^2/NDF:0.6/4

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1865.263+/-1048.459 χ^2/NDF:8.0/3

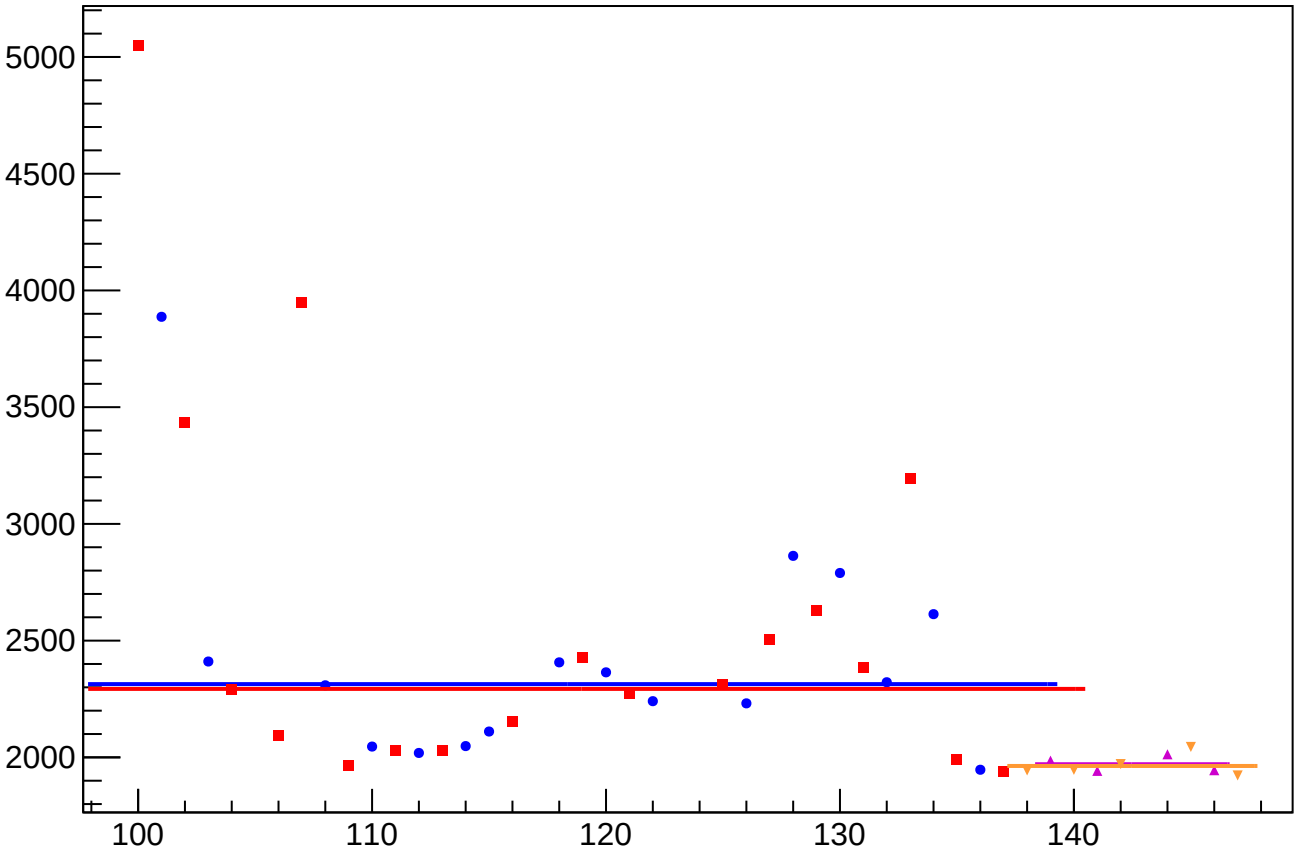
Left: -373.388+/-731.191 χ^2/NDF: 12.5/8

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1347.318+/-671.263 χ^2/NDF:20.4/19

Out: -252.161+/-662.181 χ^2/NDF:10.4/22

All: -792.281+/-471.411 χ^2/NDF: 32.1/42



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1963.170+/-0.721 χ^2/NDF:3609.8/4

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1970.608+/-0.741 χ^2/NDF:1596.4/3

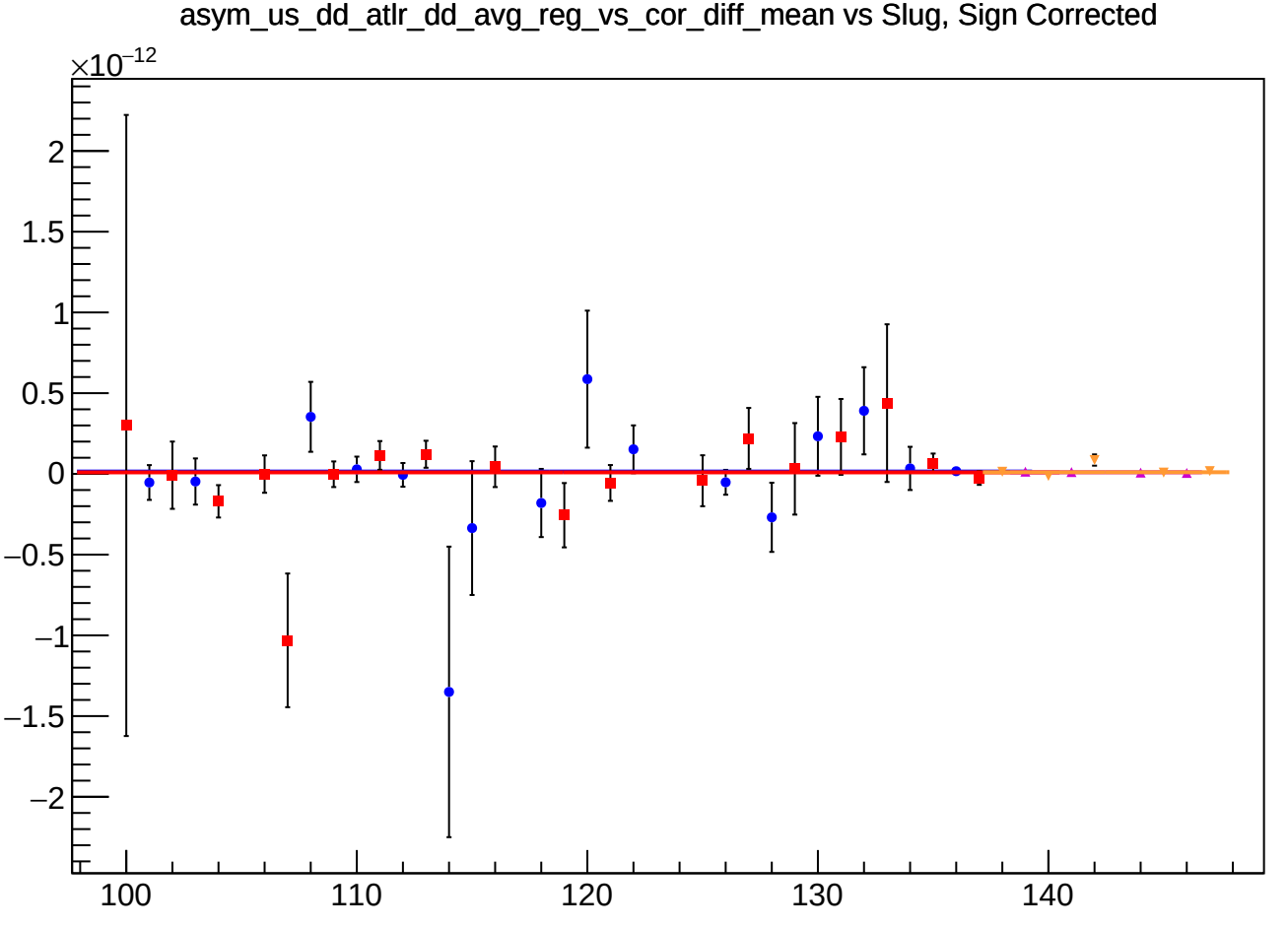
Left: 1966.788+/-0.517 χ^2/NDF: 5257.9/8

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2173.089+/-0.475 χ^2/NDF:530760.7/19

Out: 2154.215+/-0.468 χ^2/NDF:577987.0/22

All: 2163.524+/-0.333 χ^2/NDF: 1109549.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/4

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.1/3

Left: 0.000+/-0.000 χ^2/NDF: 6.6/8

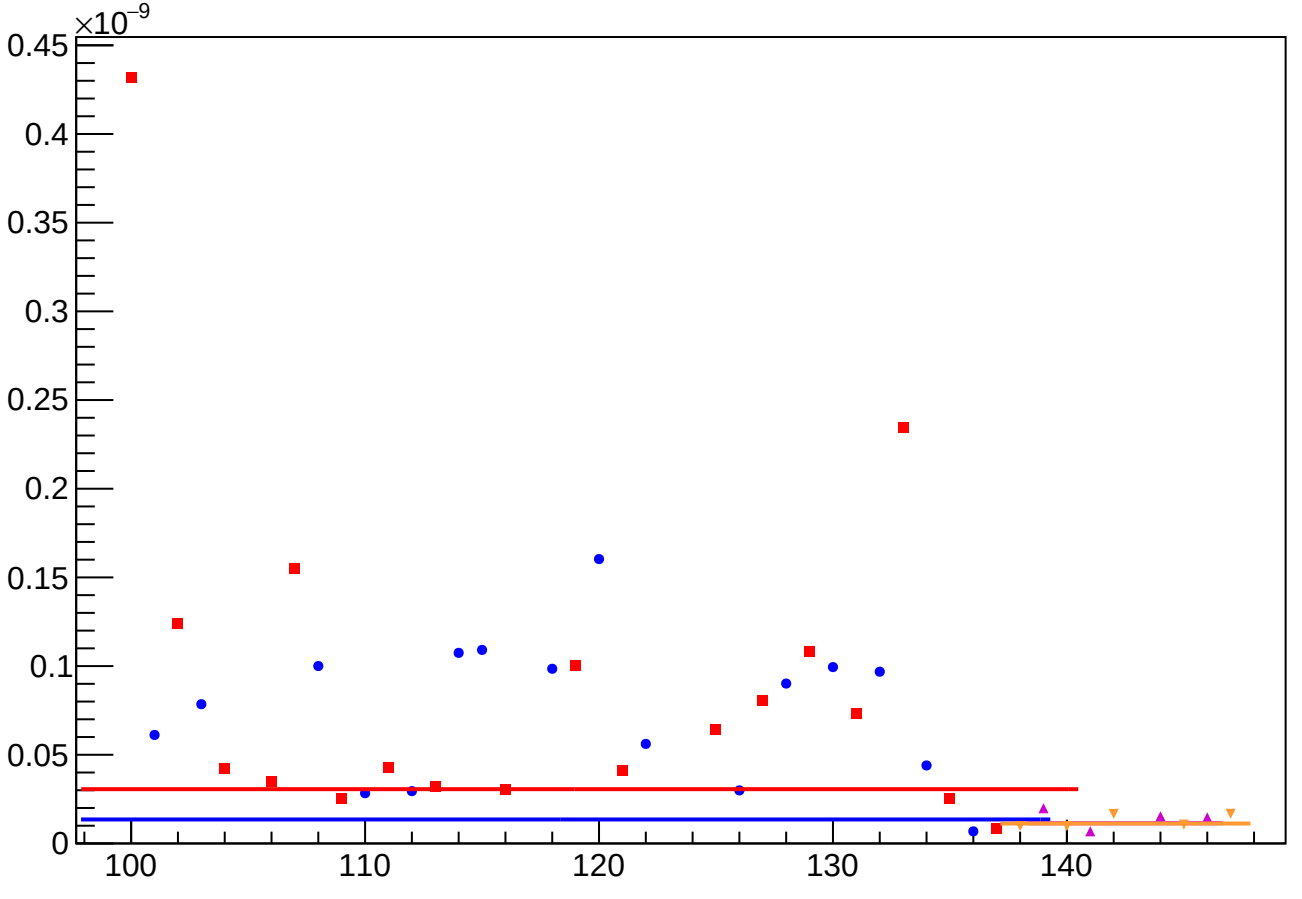
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:15.1/19

Out: 0.000+/-0.000 χ^2/NDF:26.0/22

All: 0.000+/-0.000 χ^2/NDF: 41.1/42

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:142175.0/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:449764.4/3

Left: 0.000+/-0.000 χ^2/NDF: 592197.6/8

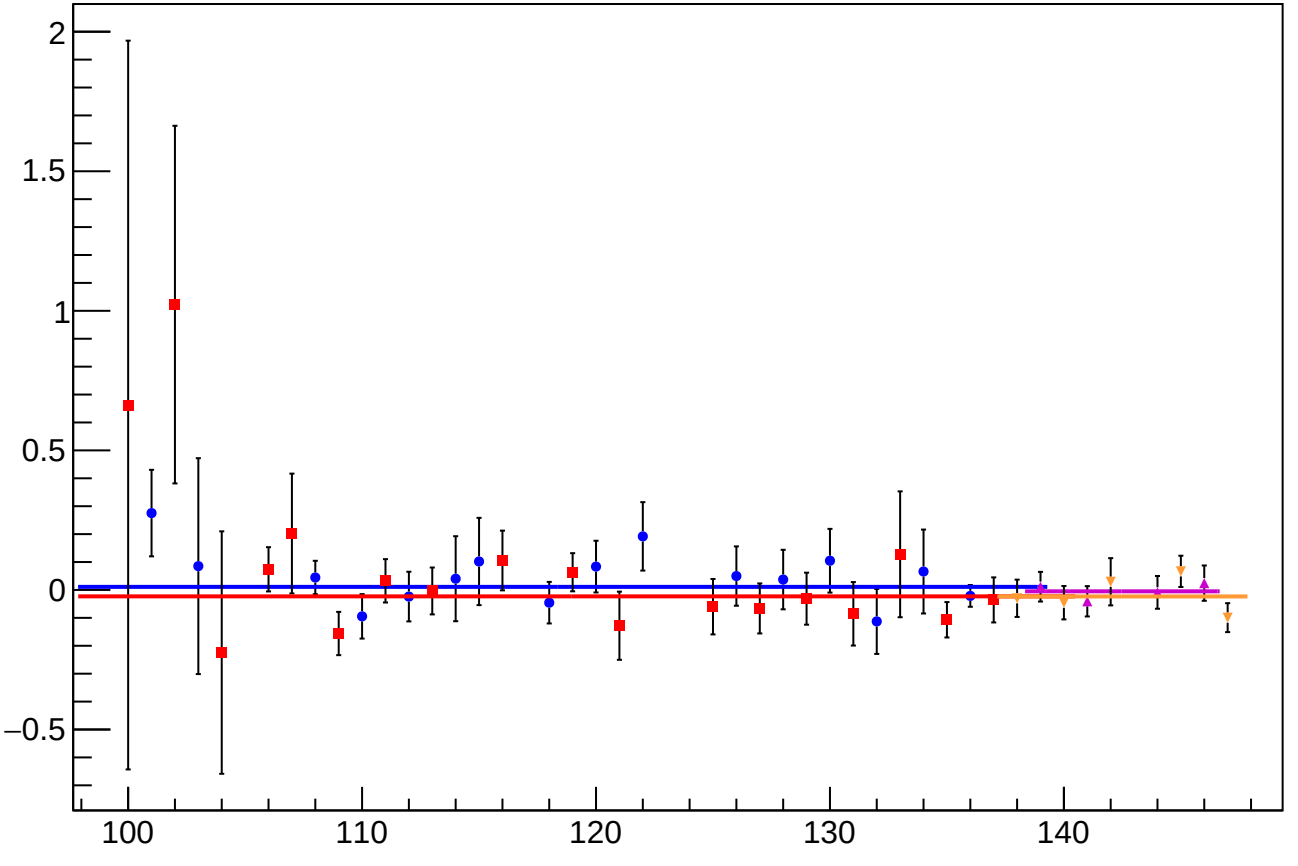
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:3895865.3/19

Out: 0.000+/-0.000 χ^2/NDF:3604916.8/22

All: 0.000+/-0.000 χ^2/NDF: 7542890.6/42

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.023+/-0.027 χ^2/NDF:5.3/4

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.005+/-0.028 χ^2/NDF:0.7/3

Left: -0.014+/-0.020 χ^2/NDF: 6.2/8

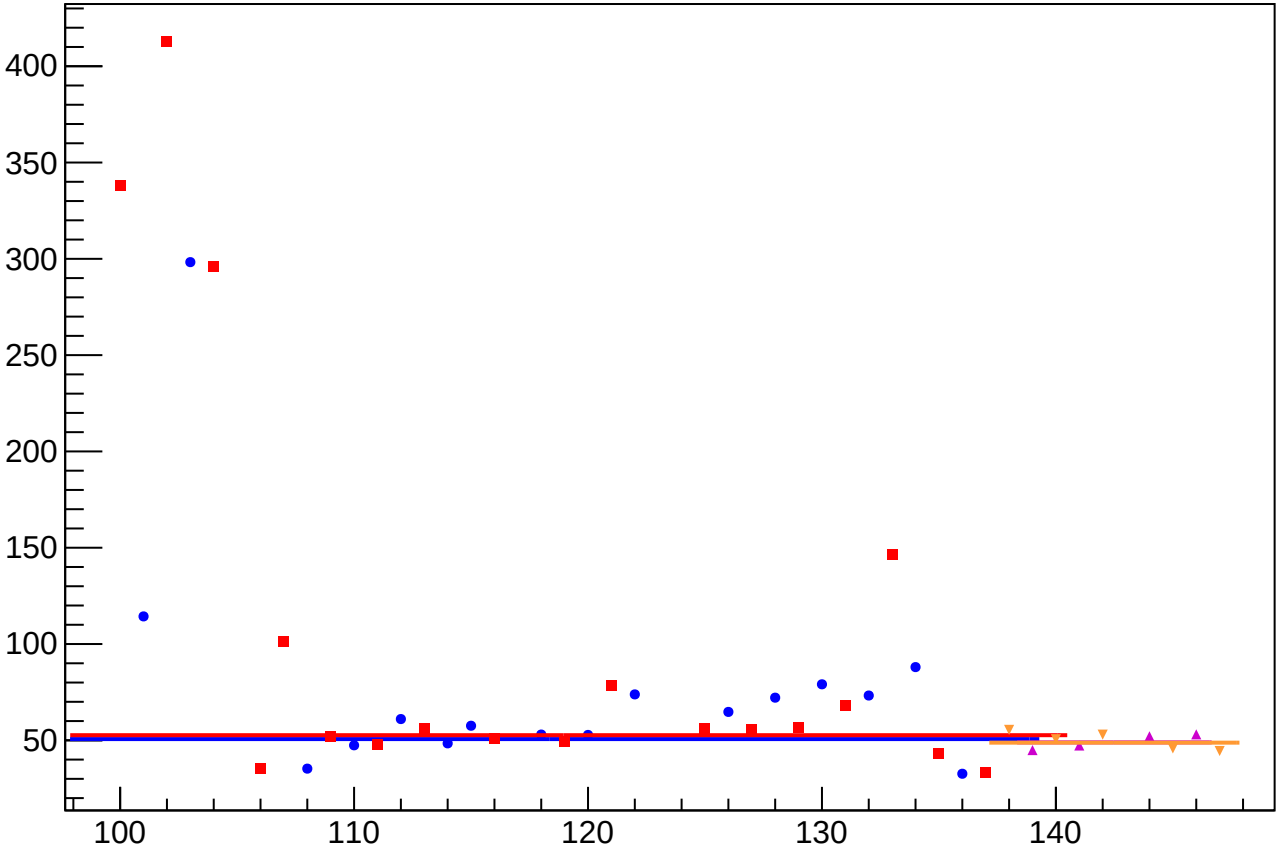
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.017 χ^2/NDF:12.7/19

Out: -0.023+/-0.018 χ^2/NDF:21.2/22

All: -0.009+/-0.012 χ^2/NDF: 35.2/42

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: 48.791+/-0.019 χ^2/NDF:46103.0/4

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.933+/-0.020 χ^2/NDF:27646.4/3

Left: 48.859+/-0.014 χ^2/NDF: 73775.2/8

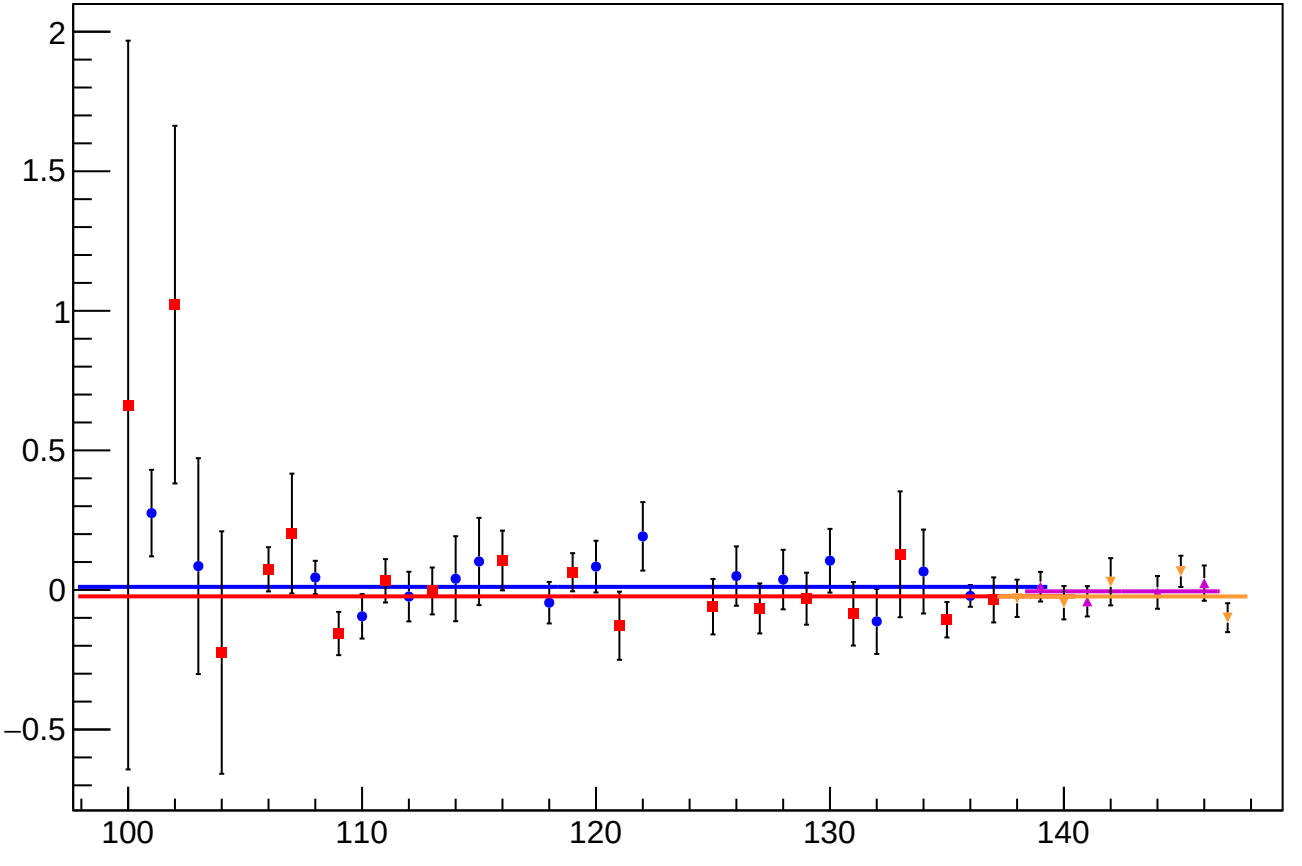
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 50.010+/-0.012 χ^2/NDF:2298640.6/19

Out: 51.054+/-0.012 χ^2/NDF:2281429.4/22

All: 50.523+/-0.009 χ^2/NDF: 4583629.0/42

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: -0.023+/-0.027 χ^2/NDF:5.3/4

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: -0.005+/-0.028 χ^2/NDF:0.7/3

Left: -0.014+/-0.020 χ^2/NDF: 6.2/8

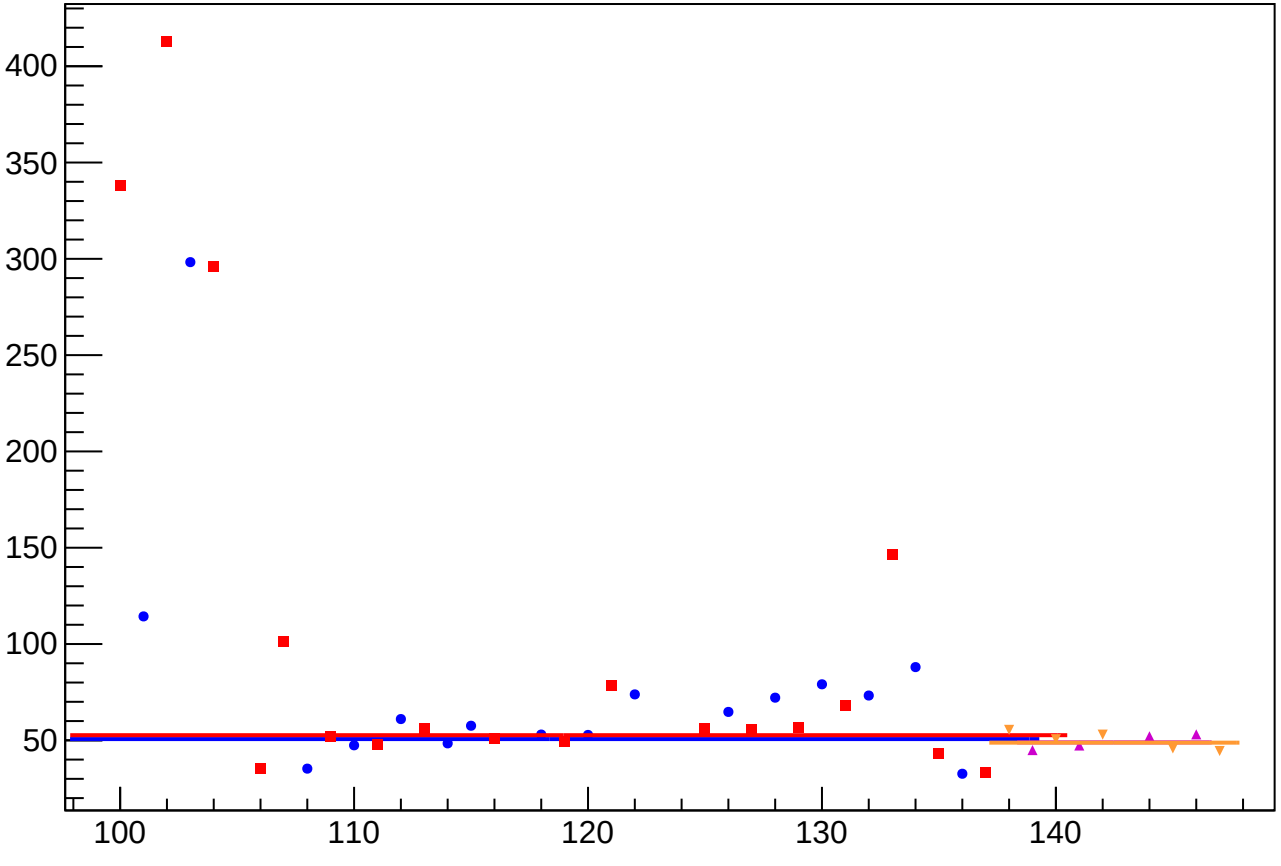
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.017 χ^2/NDF:12.7/19

Out: -0.023+/-0.018 χ^2/NDF:21.2/22

All: -0.009+/-0.012 χ^2/NDF: 35.2/42

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: 48.791+/-0.019 χ^2/NDF:46103.0/4

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 48.933+/-0.020 χ^2/NDF:27646.4/3

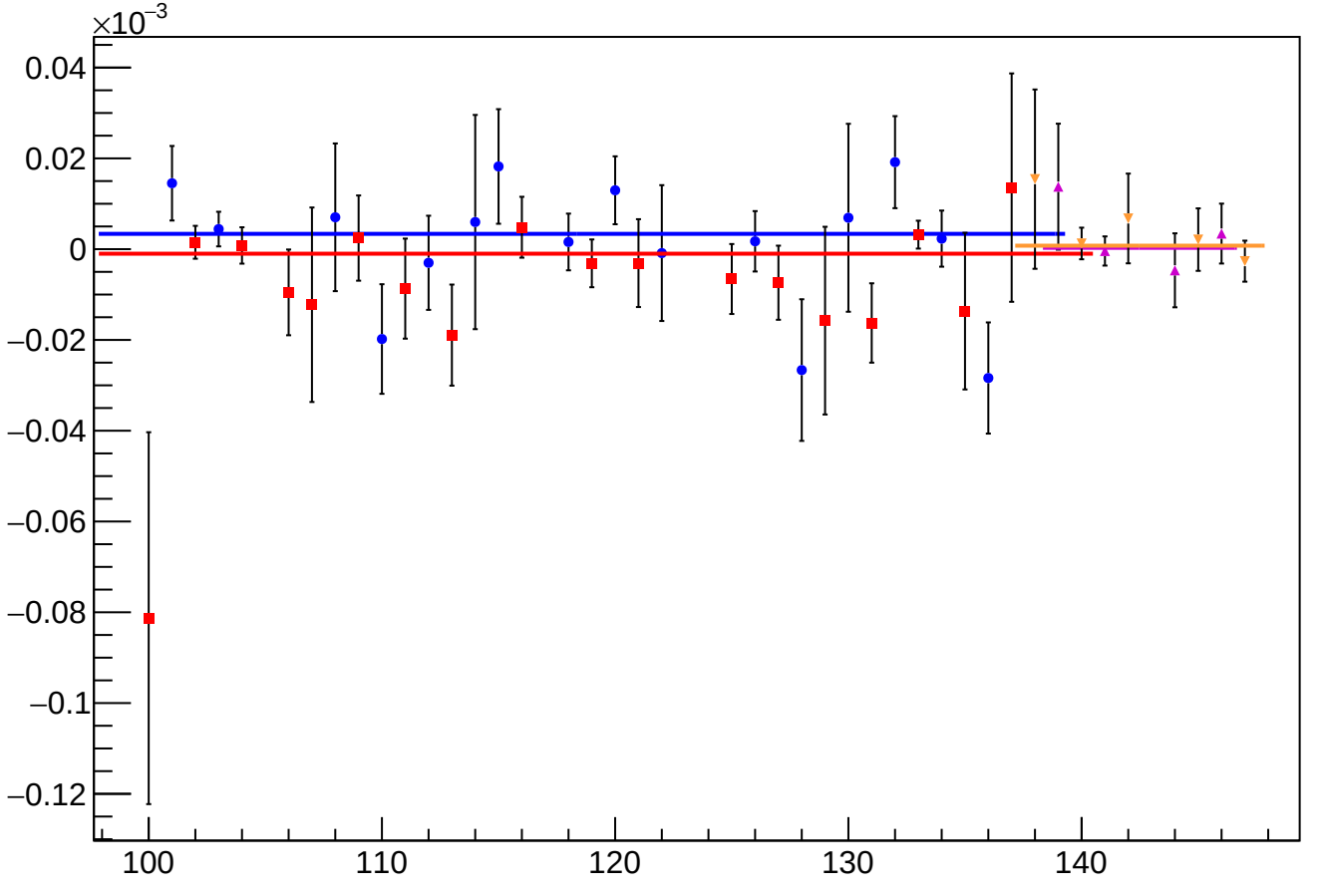
Left: 48.859+/-0.014 χ^2/NDF: 73775.2/8

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 50.010+/-0.012 χ^2/NDF:2298640.6/19

Out: 51.054+/-0.012 χ^2/NDF:2281429.4/22

All: 50.523+/-0.009 χ^2/NDF: 4583629.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/4

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

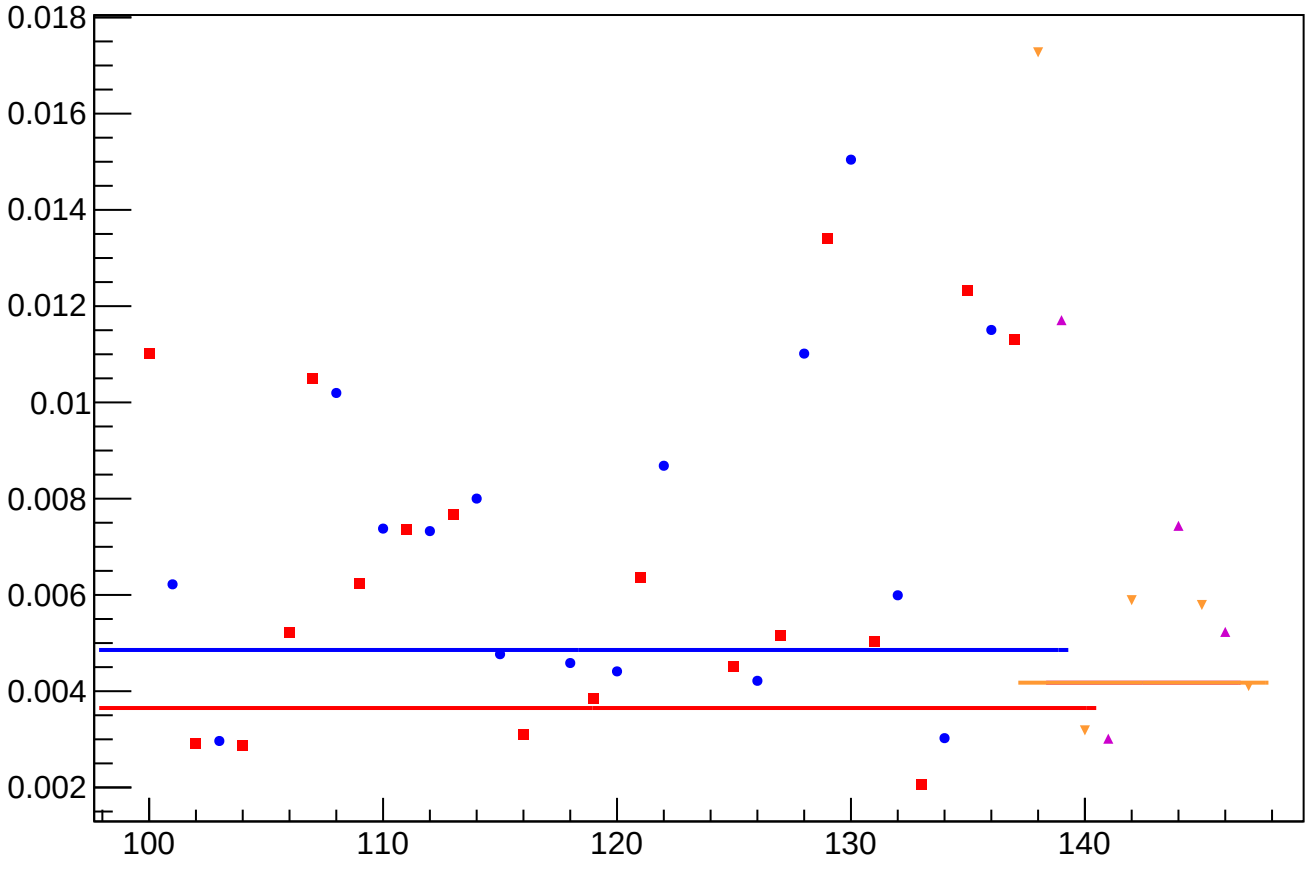
Left: 0.000+/-0.000 χ^2/NDF: 3.1/8

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:24.6/19

Out: -0.000+/-0.000 χ^2/NDF:19.1/22

All: 0.000+/-0.000 χ^2/NDF: 45.4/42



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1211815.9/4

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1222653.3/3

Left: 0.004+/-0.000 χ^2/NDF: 2434469.4/8

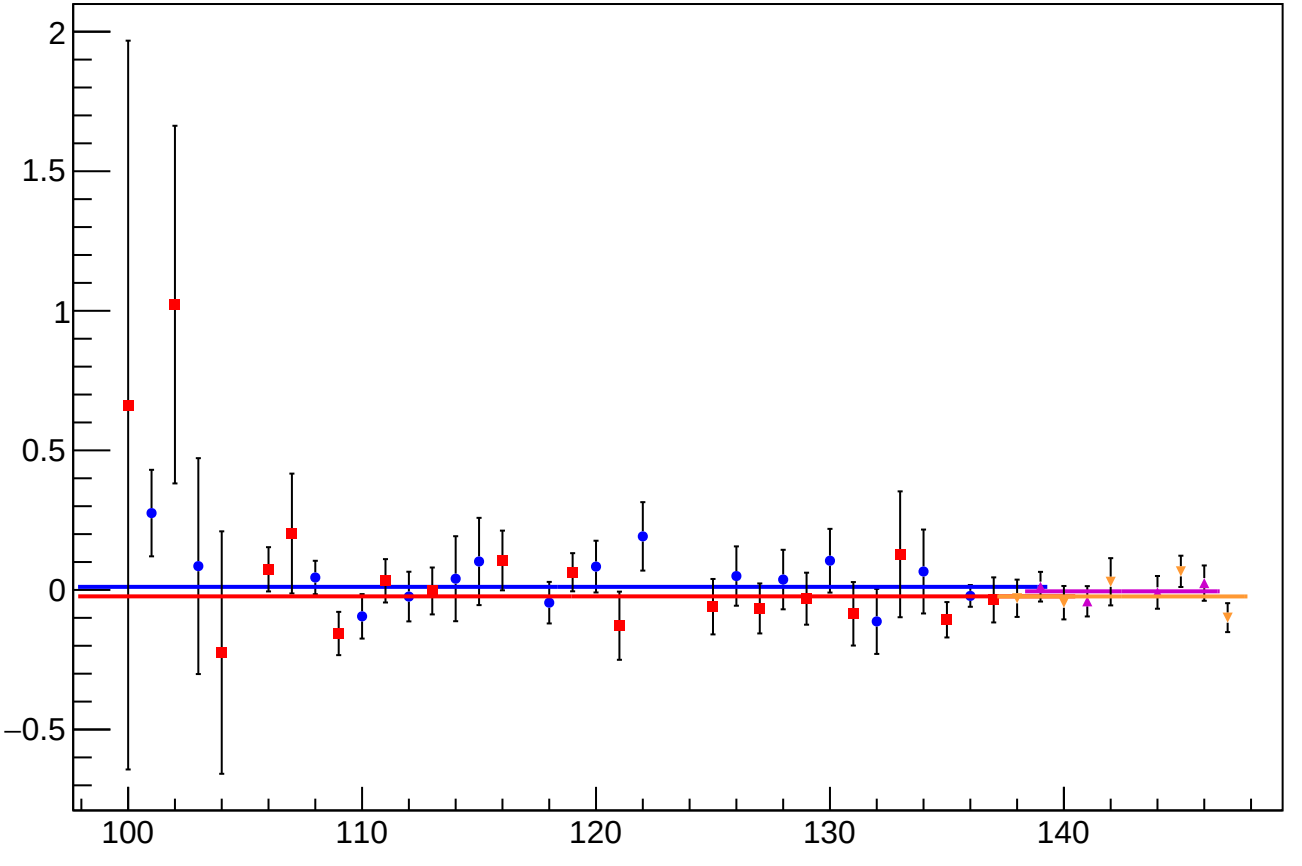
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.005+/-0.000 χ^2/NDF:4048537.9/19

Out: 0.004+/-0.000 χ^2/NDF:4385900.7/22

All: 0.004+/-0.000 χ^2/NDF: 8720648.9/42

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: -0.023+/-0.027 χ^2/NDF:5.3/4

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.005+/-0.028 χ^2/NDF:0.7/3

Left: -0.014+/-0.020 χ^2/NDF: 6.2/8

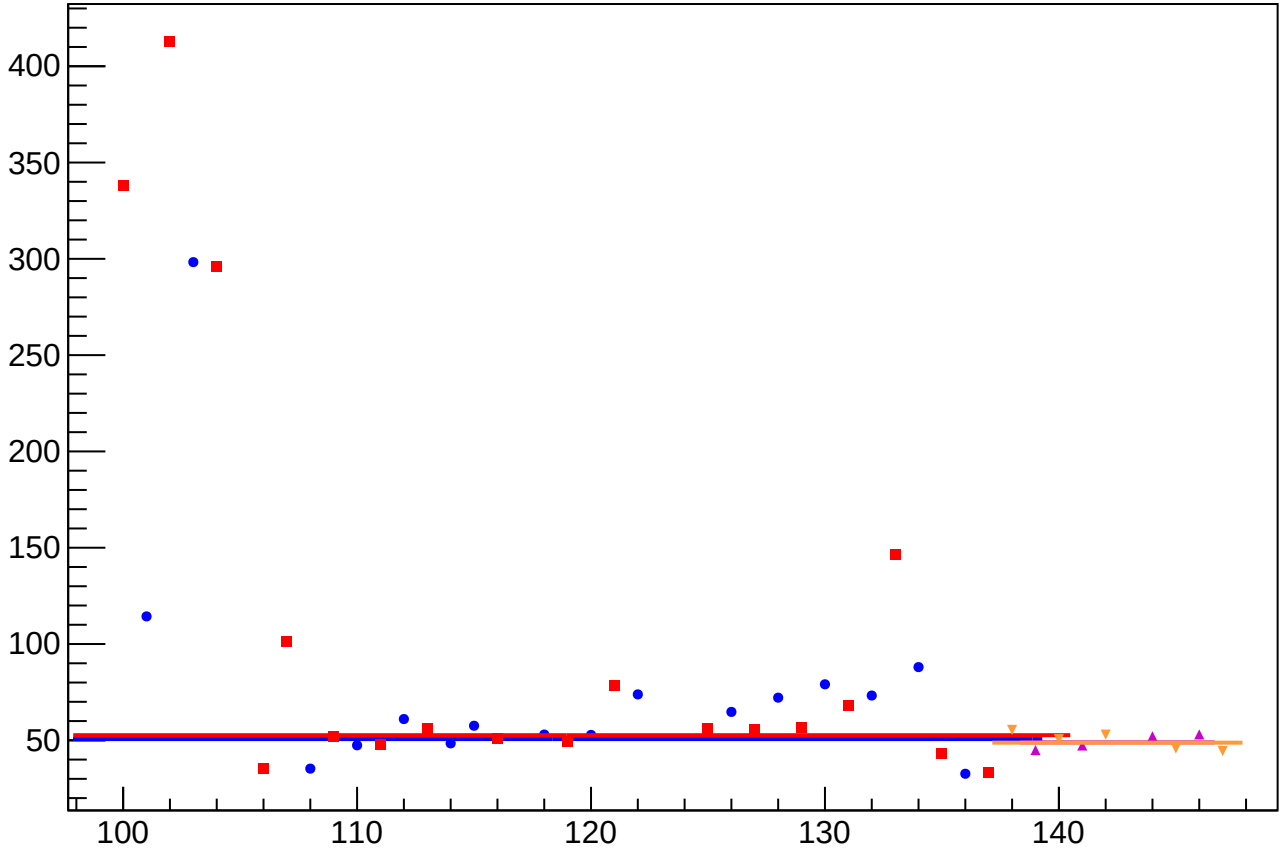
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.017 χ^2/NDF:12.7/19

Out: -0.023+/-0.018 χ^2/NDF:21.2/22

All: -0.009+/-0.012 χ^2/NDF: 35.2/42

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 48.792+/-0.019 χ^2/NDF:46113.4/4

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 48.934+/-0.020 χ^2/NDF:27623.4/3

Left: 48.860+/-0.014 χ^2/NDF: 73762.7/8

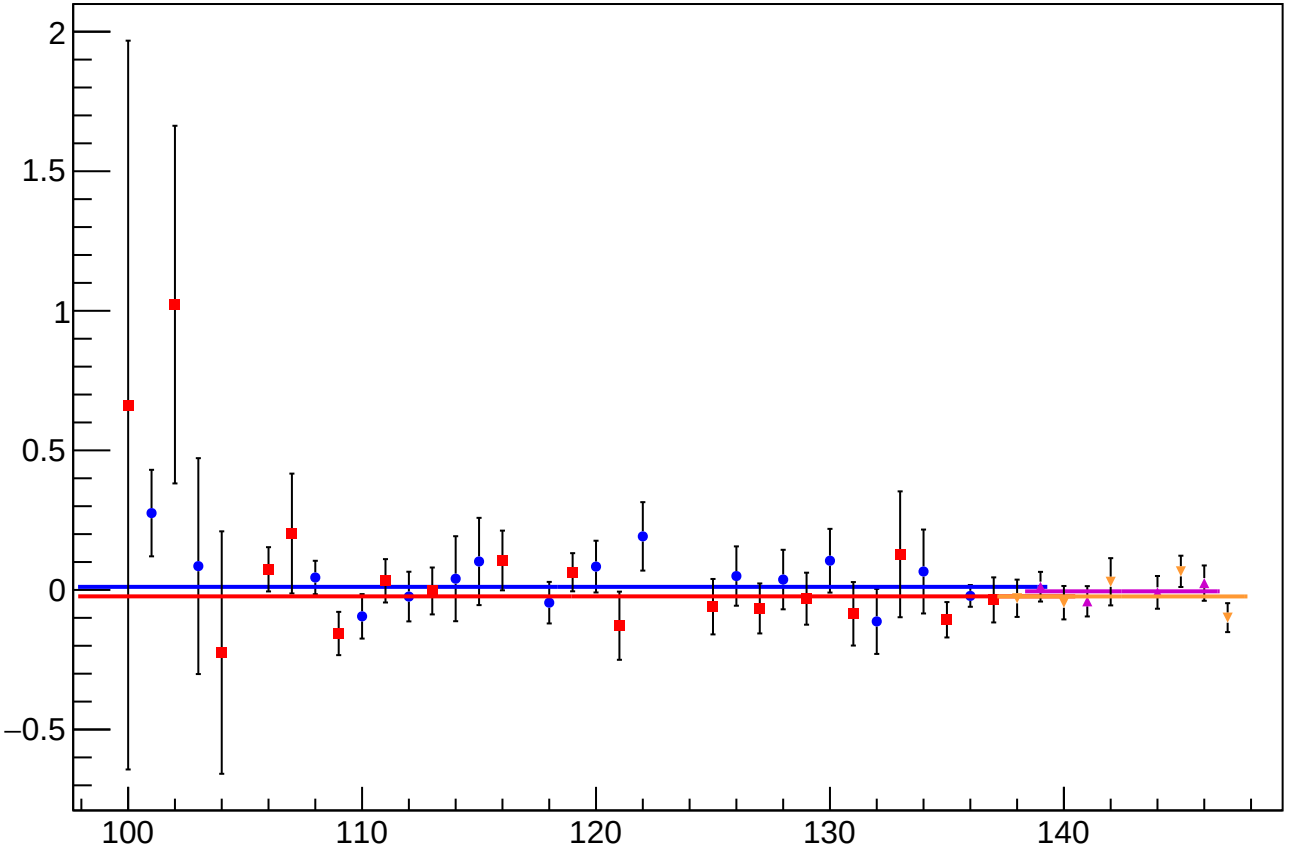
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 50.010+/-0.012 χ^2/NDF:2298518.0/19

Out: 51.055+/-0.012 χ^2/NDF:2281318.9/22

All: 50.523+/-0.009 χ^2/NDF: 4583398.2/42

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: -0.023+/-0.027 χ^2/NDF:5.3/4

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: -0.005+/-0.028 χ^2/NDF:0.7/3

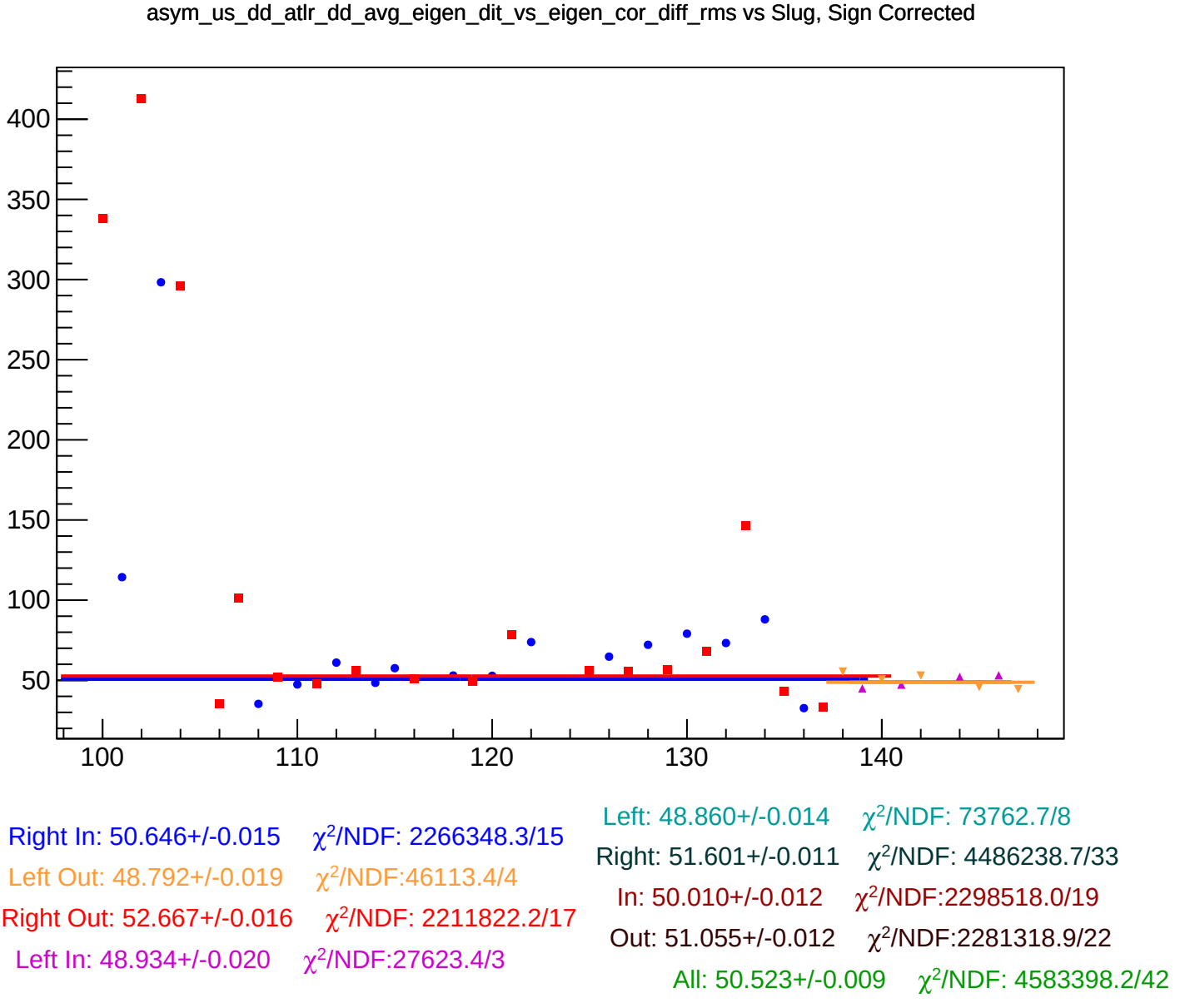
Left: -0.014+/-0.020 χ^2/NDF: 6.2/8

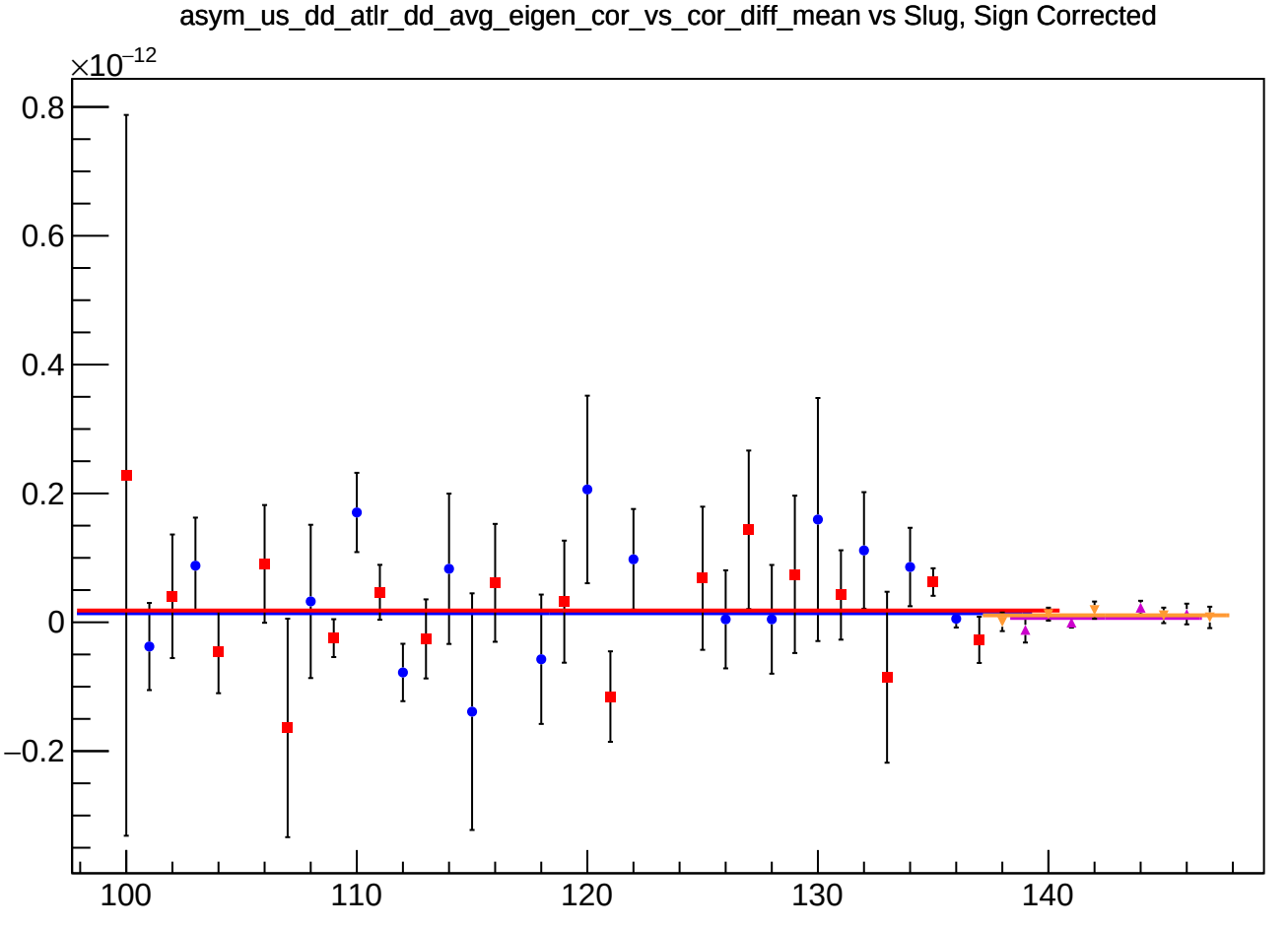
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.005+/-0.017 χ^2/NDF:12.7/19

Out: -0.023+/-0.018 χ^2/NDF:21.2/22

All: -0.009+/-0.012 χ^2/NDF: 35.2/42


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
50
100
110
120
130
140
Right In: 50.646+/-0.015 χ²/NDF: 2266348.3/15
Left Out: 48.792+/-0.019 χ²/NDF:46113.4/4
Right Out: 52.667+/-0.016 χ²/NDF: 2211822.2/17
Left In: 48.934+/-0.020 χ²/NDF:27623.4/3
Left: 48.860+/-0.014 χ²/NDF: 73762.7/8
Right: 51.601+/-0.011 χ²/NDF: 4486238.7/33
In: 50.010+/-0.012 χ²/NDF:2298518.0/19
Out: 51.055+/-0.012 χ²/NDF:2281318.9/22
All: 50.523+/-0.009 χ²/NDF: 4583398.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:4.1/3

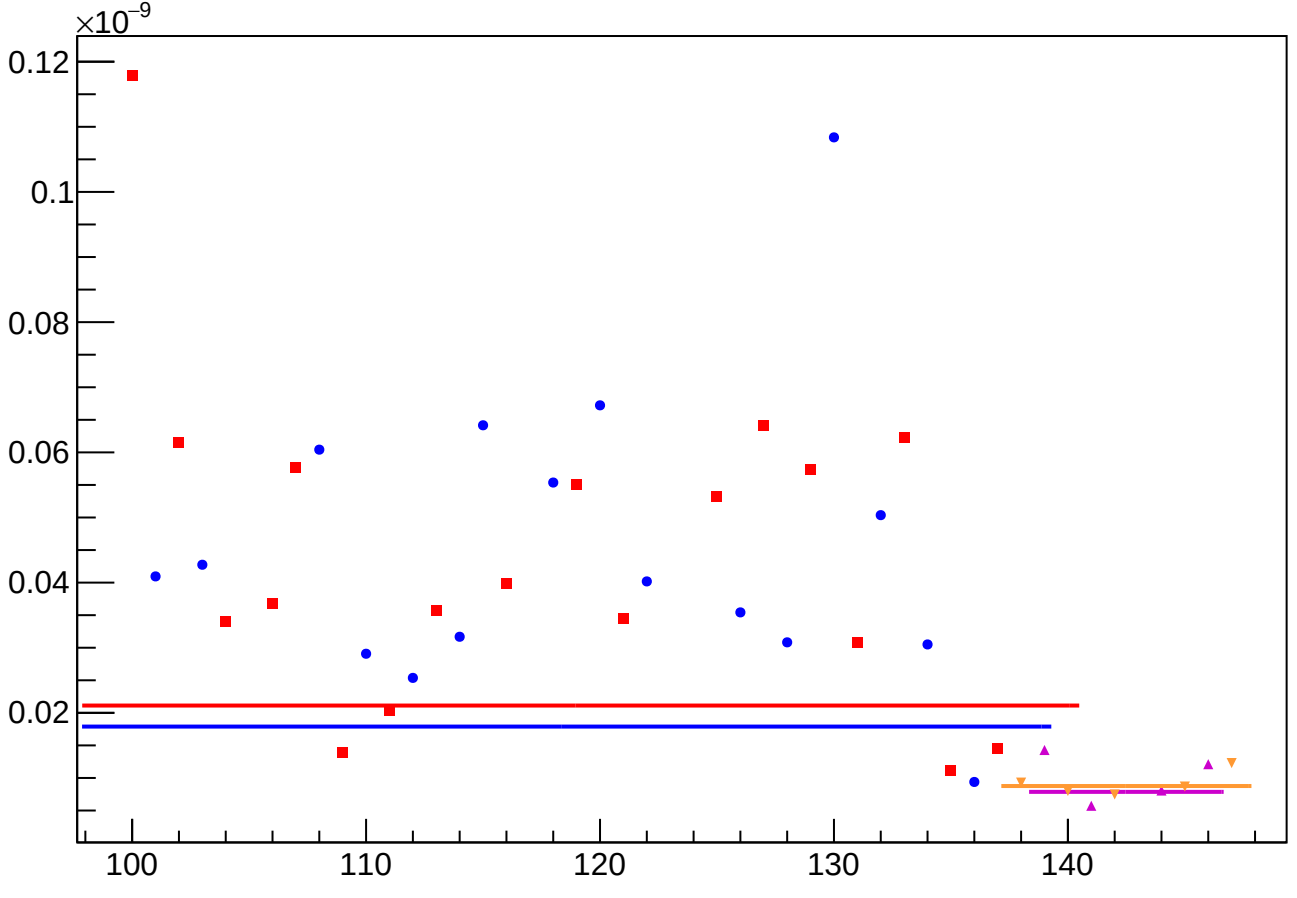
Left: 0.000+/-0.000 χ^2/NDF: 5.3/8

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:24.8/19

Out: 0.000+/-0.000 χ^2/NDF:19.2/22

All: 0.000+/-0.000 χ^2/NDF: 44.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:123022.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:500623.9/3

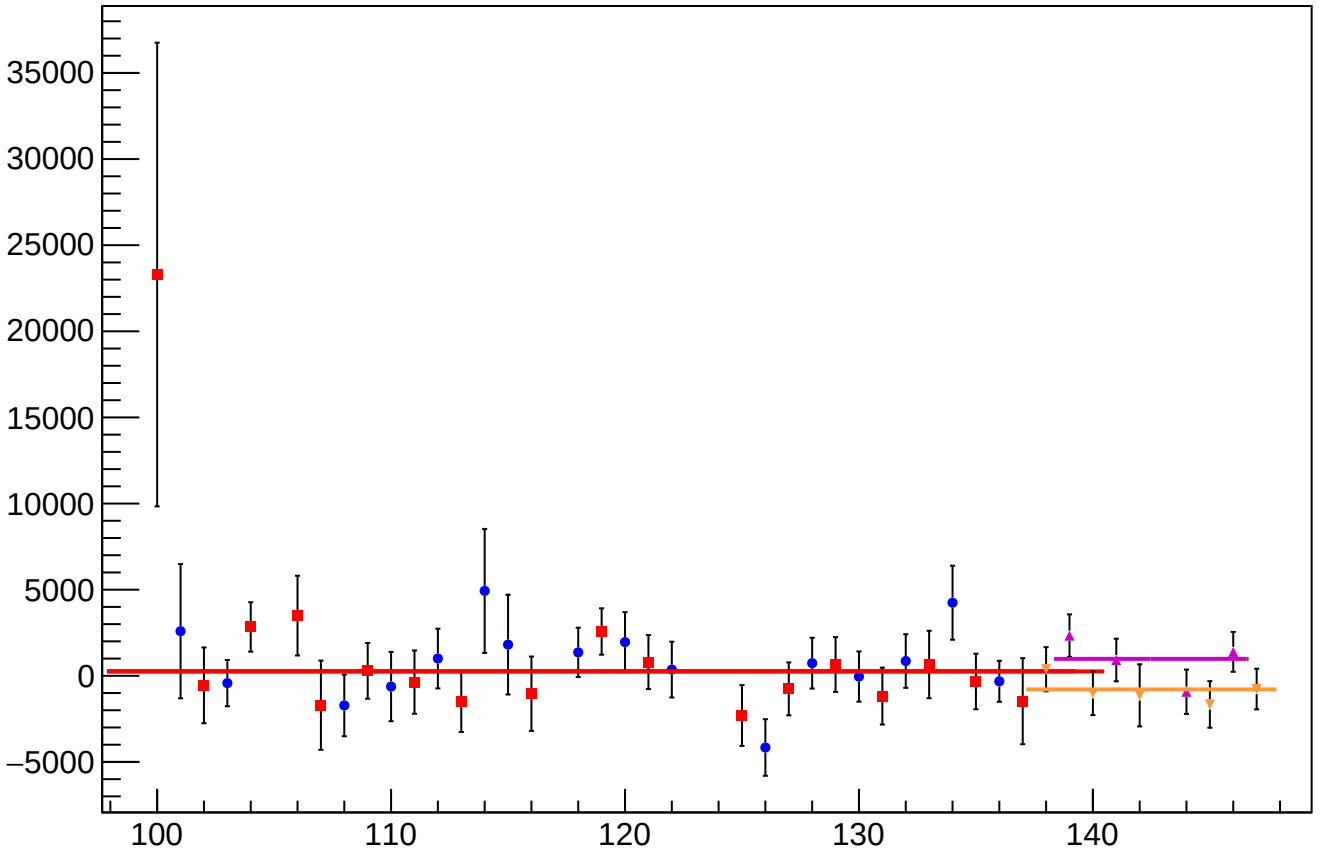
Left: 0.000+/-0.000 χ^2/NDF: 648694.9/8

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5156606.8/19

Out: 0.000+/-0.000 χ^2/NDF:4356286.4/22

All: 0.000+/-0.000 χ^2/NDF: 9553049.9/42



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -788.899+/-597.068 χ^2/NDF:1.3/4

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 982.750+/-612.799 χ^2/NDF:3.5/3

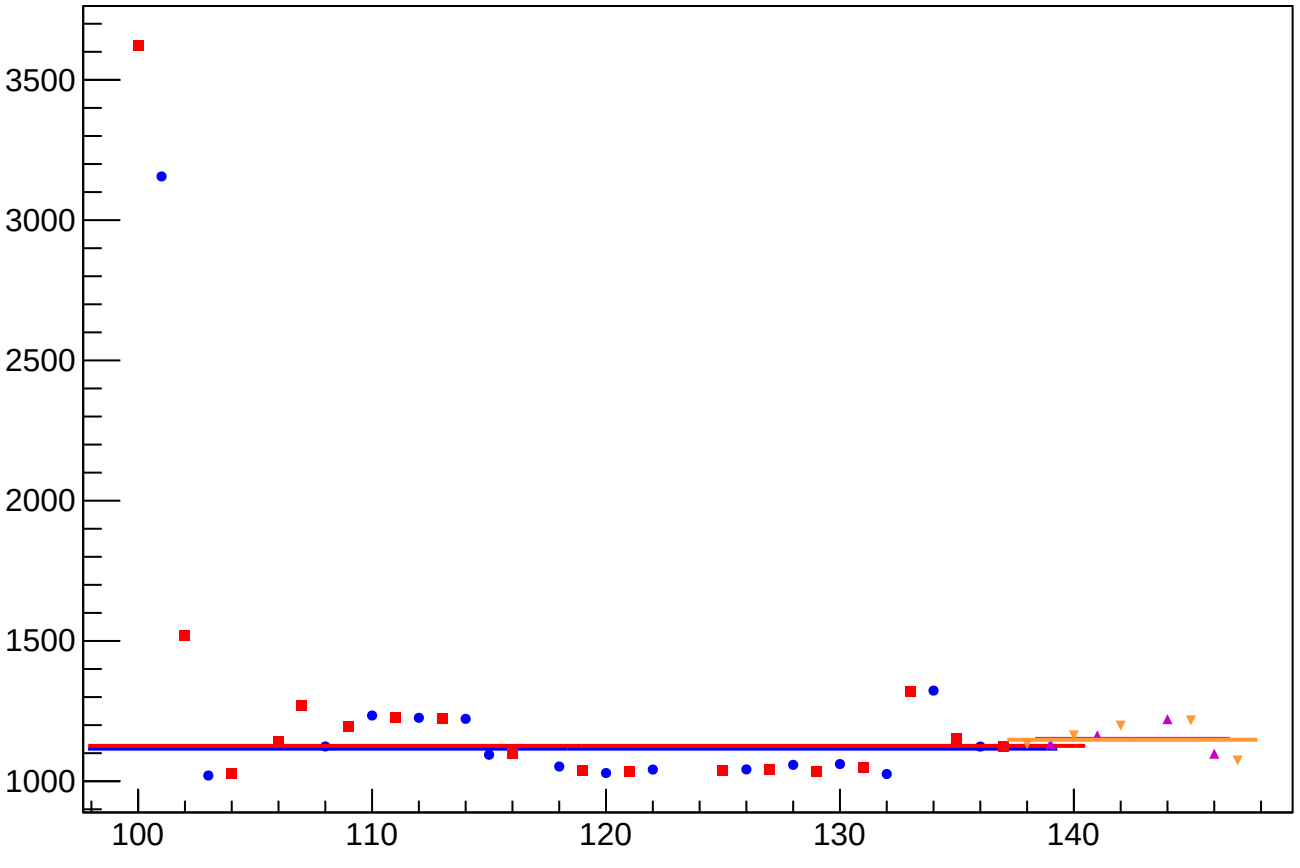
Left: 73.895+/-427.644 χ^2/NDF: 9.1/8

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 495.016+/-349.040 χ^2/NDF:21.4/19

Out: -96.290+/-346.665 χ^2/NDF:20.7/22

All: 197.345+/-245.965 χ^2/NDF: 43.6/42



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1147.831+/-0.422 χ^2/NDF:15240.2/4

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

Left: 1149.363+/-0.302 χ^2/NDF: 25983.2/8

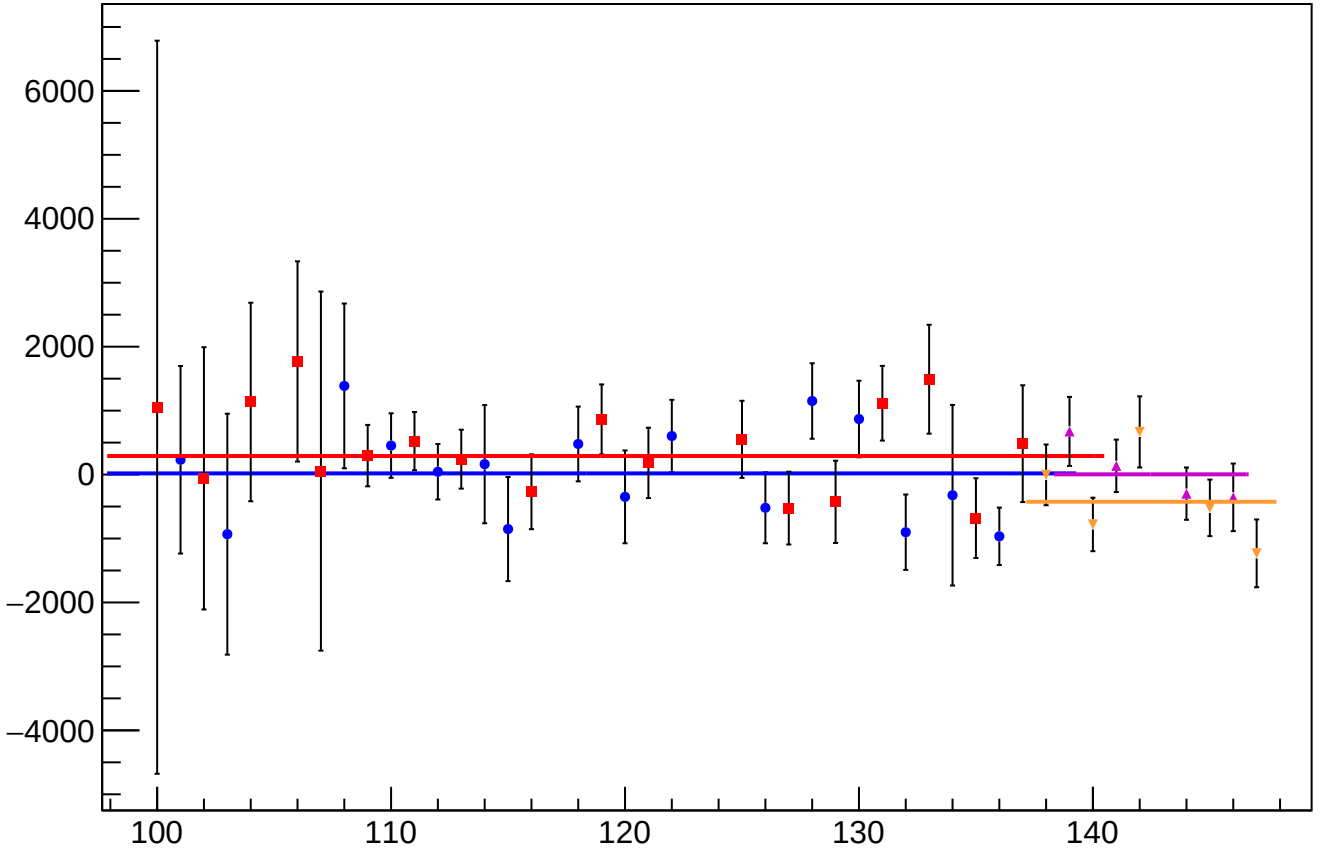
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1127.407+/-0.247 χ^2/NDF:638486.0/19

Out: 1133.370+/-0.245 χ^2/NDF:239116.1/22

All: 1130.409+/-0.174 χ^2/NDF: 877895.9/42

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: -424.964+/-212.918 χ^2/NDF:7.7/4

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 3.614+/-229.770 χ^2/NDF:2.7/3

Left: -226.966+/-156.174 χ^2/NDF: 12.3/8

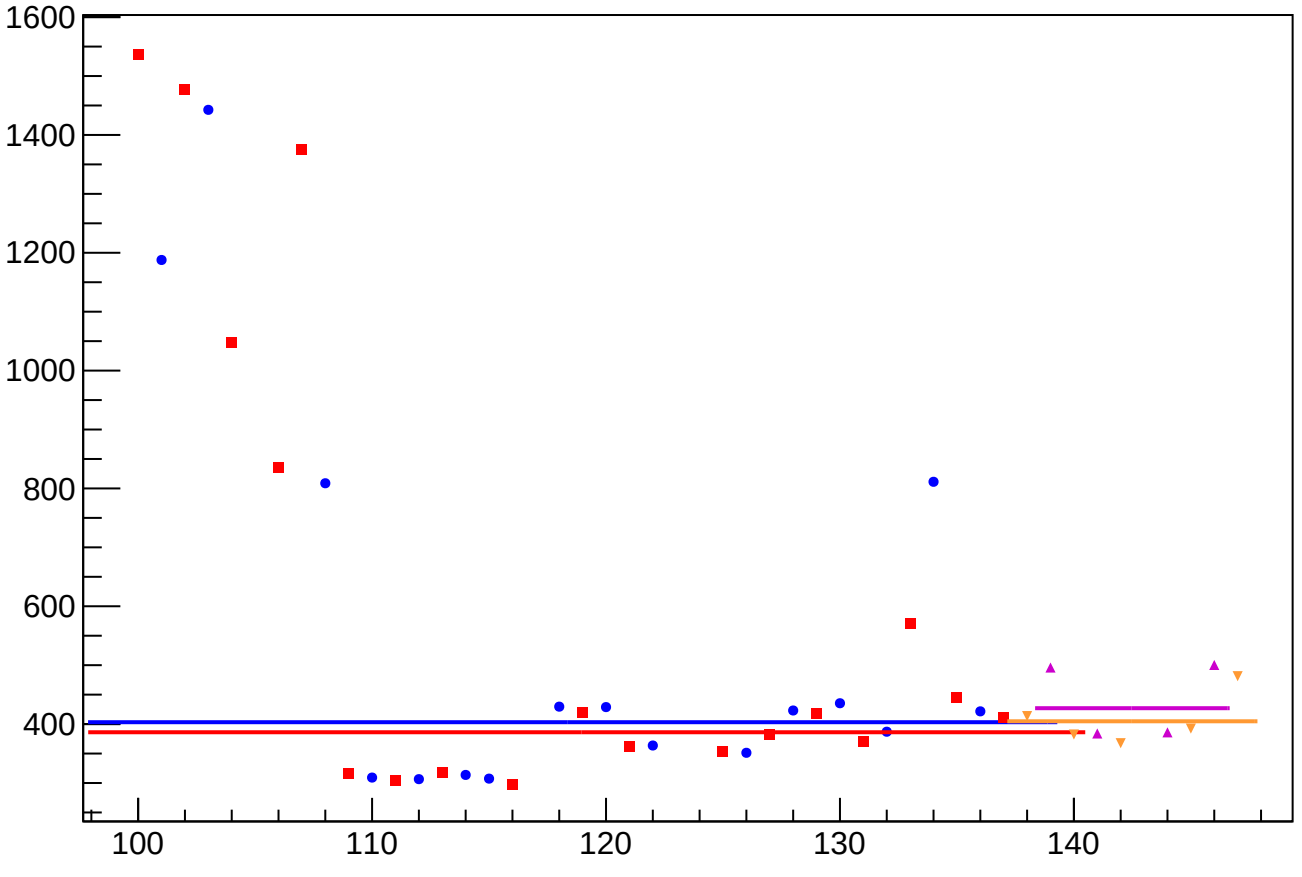
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 13.567+/-131.983 χ^2/NDF:21.9/19

Out: 39.832+/-125.938 χ^2/NDF:28.5/22

All: 27.315+/-91.114 χ^2/NDF: 50.4/42

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: 404.754+/-0.151 χ^2/NDF:58667.1/4

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 426.978+/-0.162 χ^2/NDF:113367.4/3

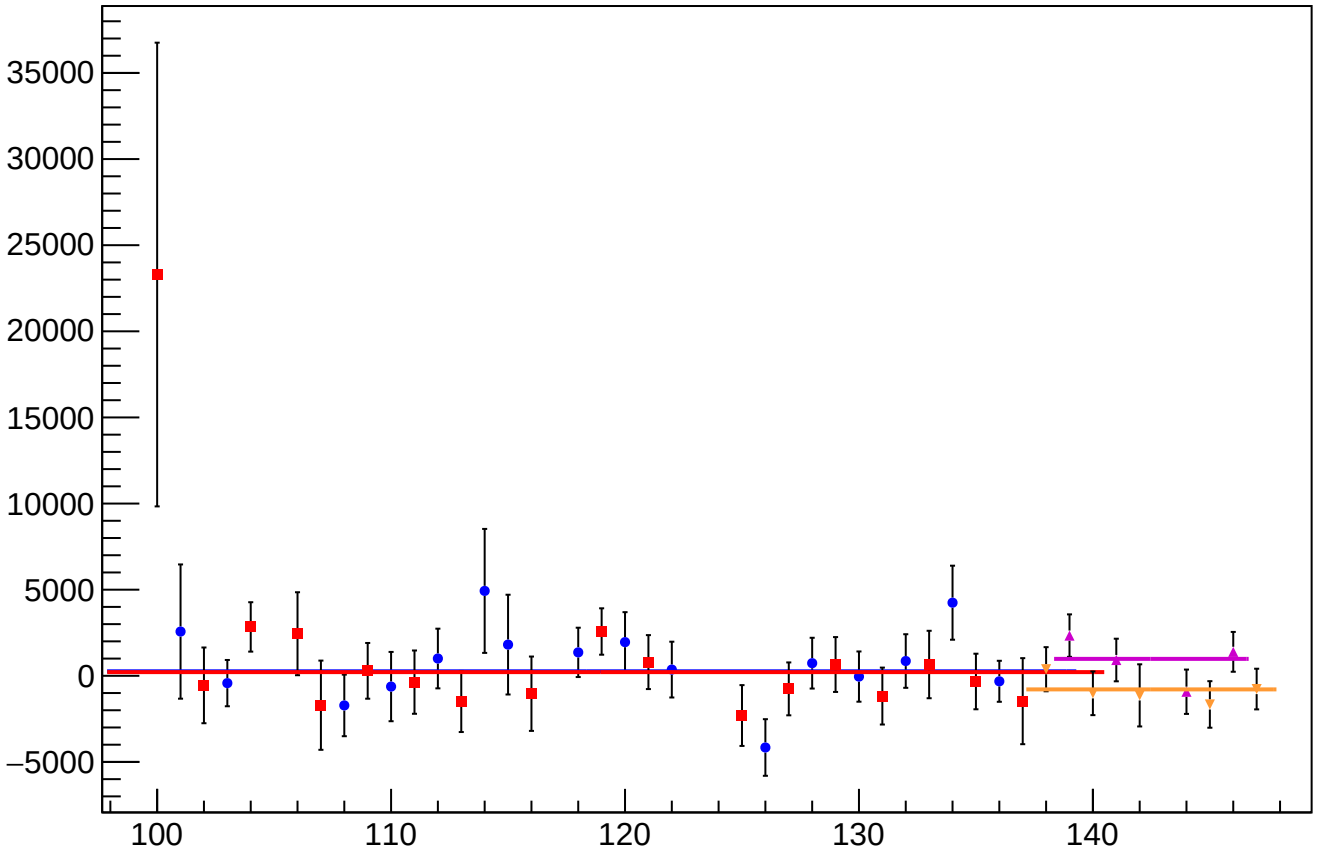
Left: 415.021+/-0.110 χ^2/NDF: 182101.2/8

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 411.042+/-0.093 χ^2/NDF:1936158.0/19

Out: 392.656+/-0.089 χ^2/NDF:1827711.8/22

All: 401.418+/-0.064 χ^2/NDF: 3784184.3/42



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -788.899+/-597.068 χ^2/NDF:1.3/4

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 982.761+/-612.799 χ^2/NDF:3.5/3

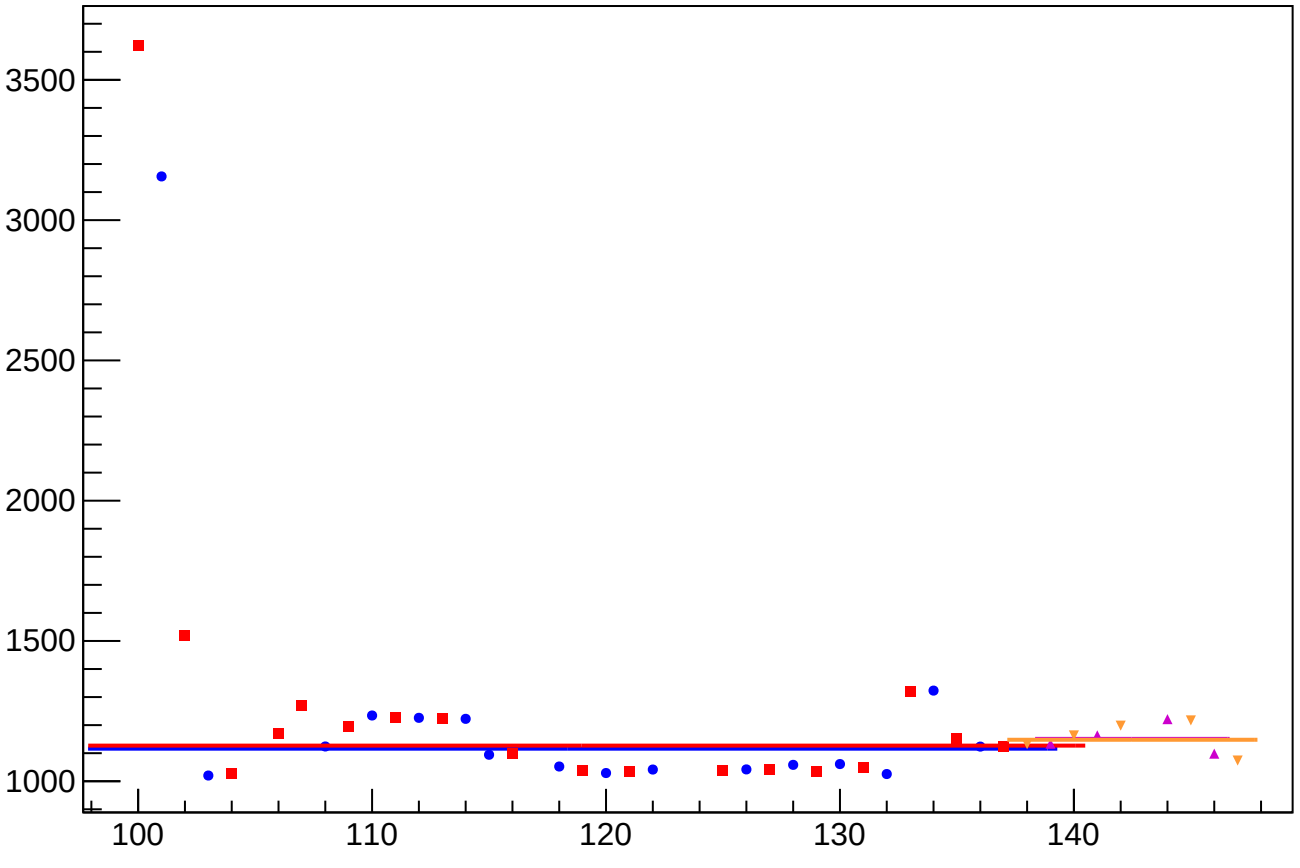
Left: 73.900+/-427.644 χ^2/NDF: 9.1/8

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 494.762+/-349.040 χ^2/NDF:21.4/19

Out: -124.343+/-346.966 χ^2/NDF:19.4/22

All: 183.365+/-246.072 χ^2/NDF: 42.4/42



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1147.831+/-0.422 χ^2/NDF:15240.2/4

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

Left: 1149.363+/-0.302 χ^2/NDF: 25983.2/8

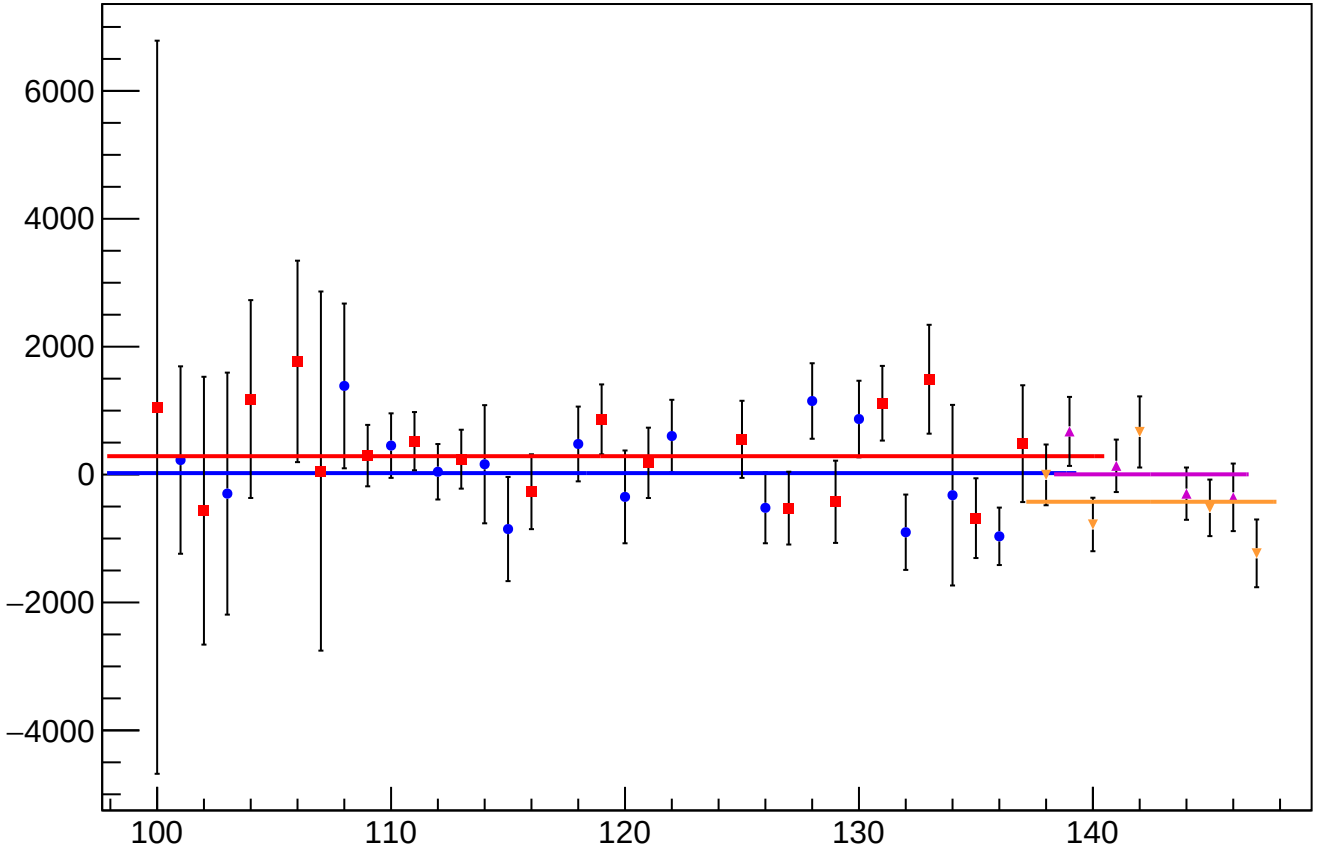
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1127.407+/-0.247 χ^2/NDF:638487.1/19

Out: 1134.008+/-0.245 χ^2/NDF:239598.9/22

All: 1130.727+/-0.174 χ^2/NDF: 878445.8/42

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -425.095+/-212.917 χ^2/NDF:7.7/4

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 3.769+/-229.768 χ^2/NDF:2.7/3

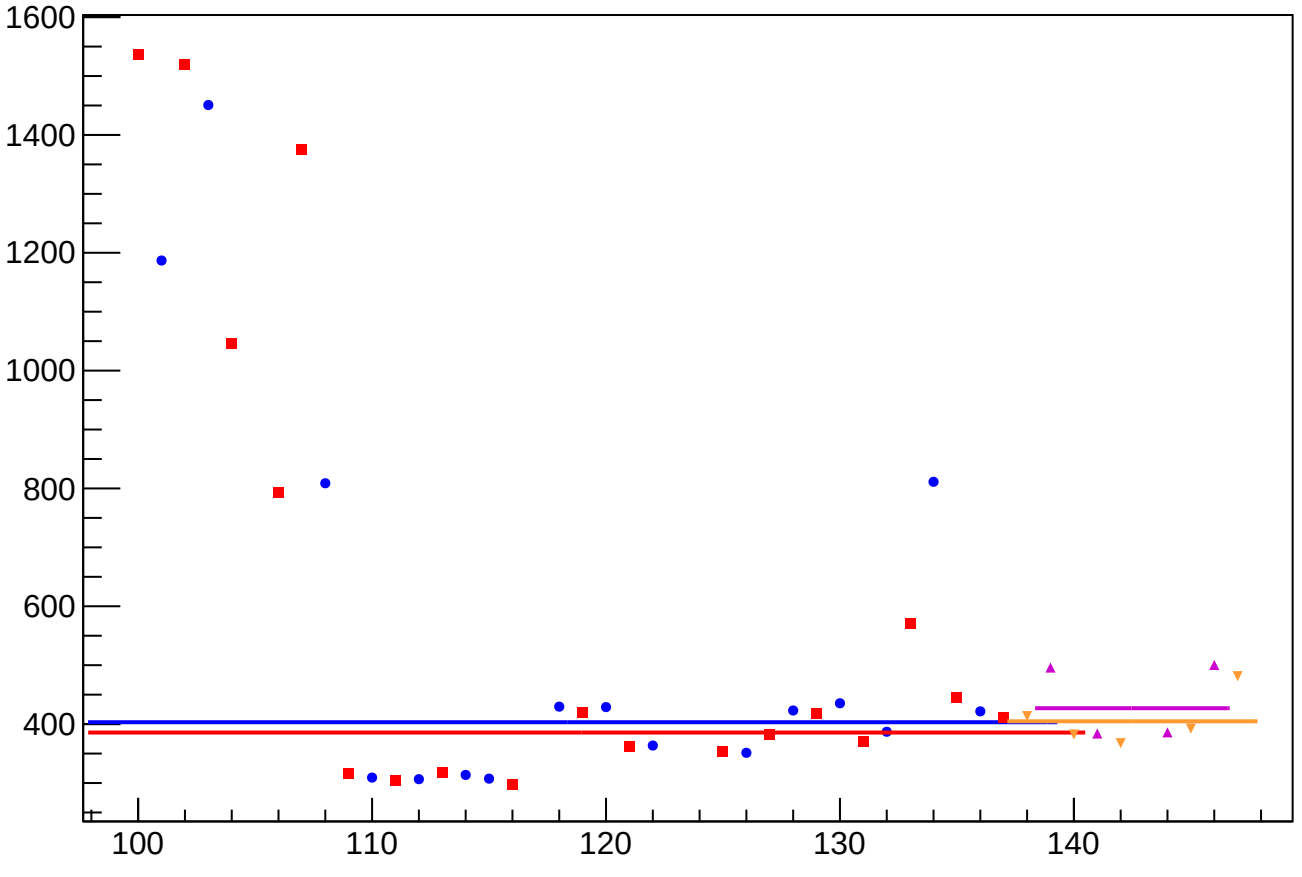
Left: -226.965+/-156.173 χ^2/NDF: 12.3/8

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 16.603+/-131.983 χ^2/NDF:21.6/19

Out: 38.220+/-125.950 χ^2/NDF:28.7/22

All: 27.917+/-91.118 χ^2/NDF: 50.3/42



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 404.751+/-0.151 χ^2/NDF:58664.7/4

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 426.975+/-0.162 χ^2/NDF:113343.6/3

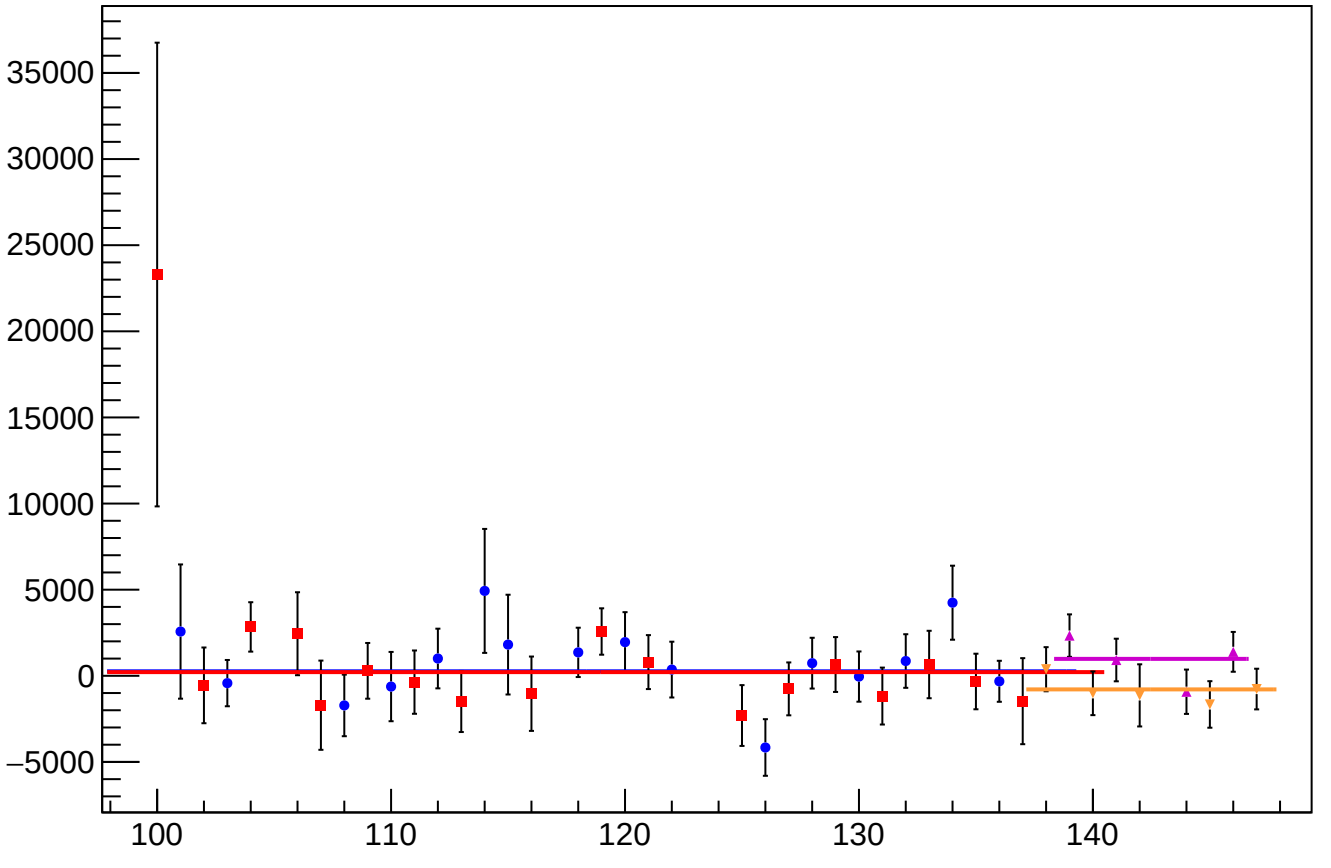
Left: 415.018+/-0.110 χ^2/NDF: 182074.7/8

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 411.033+/-0.093 χ^2/NDF:1939824.1/19

Out: 392.354+/-0.089 χ^2/NDF:1816246.3/22

All: 401.257+/-0.064 χ^2/NDF: 3777034.9/42



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -788.899+/-597.068 χ^2/NDF:1.3/4

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 982.761+/-612.799 χ^2/NDF:3.5/3

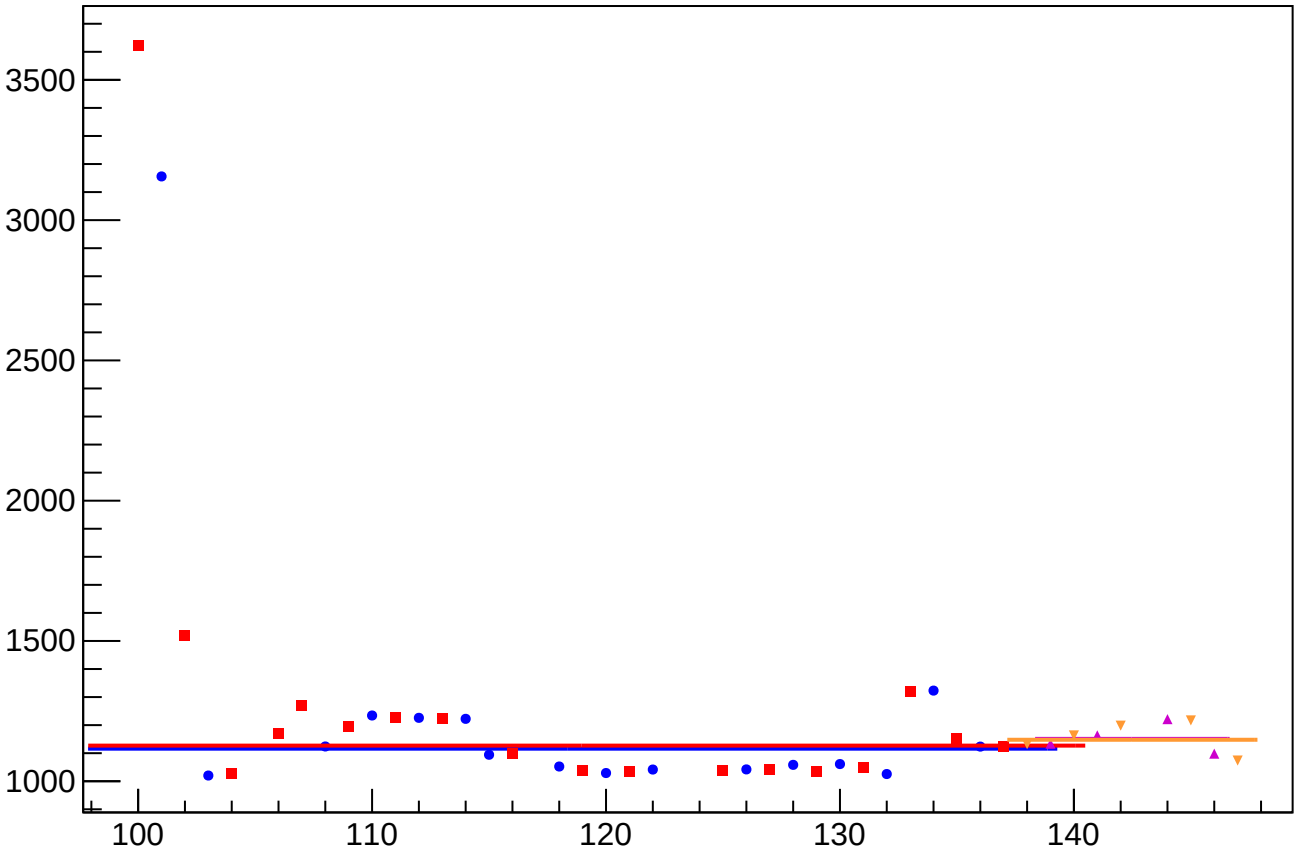
Left: 73.900+/-427.644 χ^2/NDF: 9.1/8

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 494.762+/-349.040 χ^2/NDF:21.4/19

Out: -124.343+/-346.966 χ^2/NDF:19.4/22

All: 183.365+/-246.072 χ^2/NDF: 42.4/42



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1147.831+/-0.422 χ^2/NDF:15240.2/4

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1150.976+/-0.433 χ^2/NDF:10716.0/3

Left: 1149.363+/-0.302 χ^2/NDF: 25983.2/8

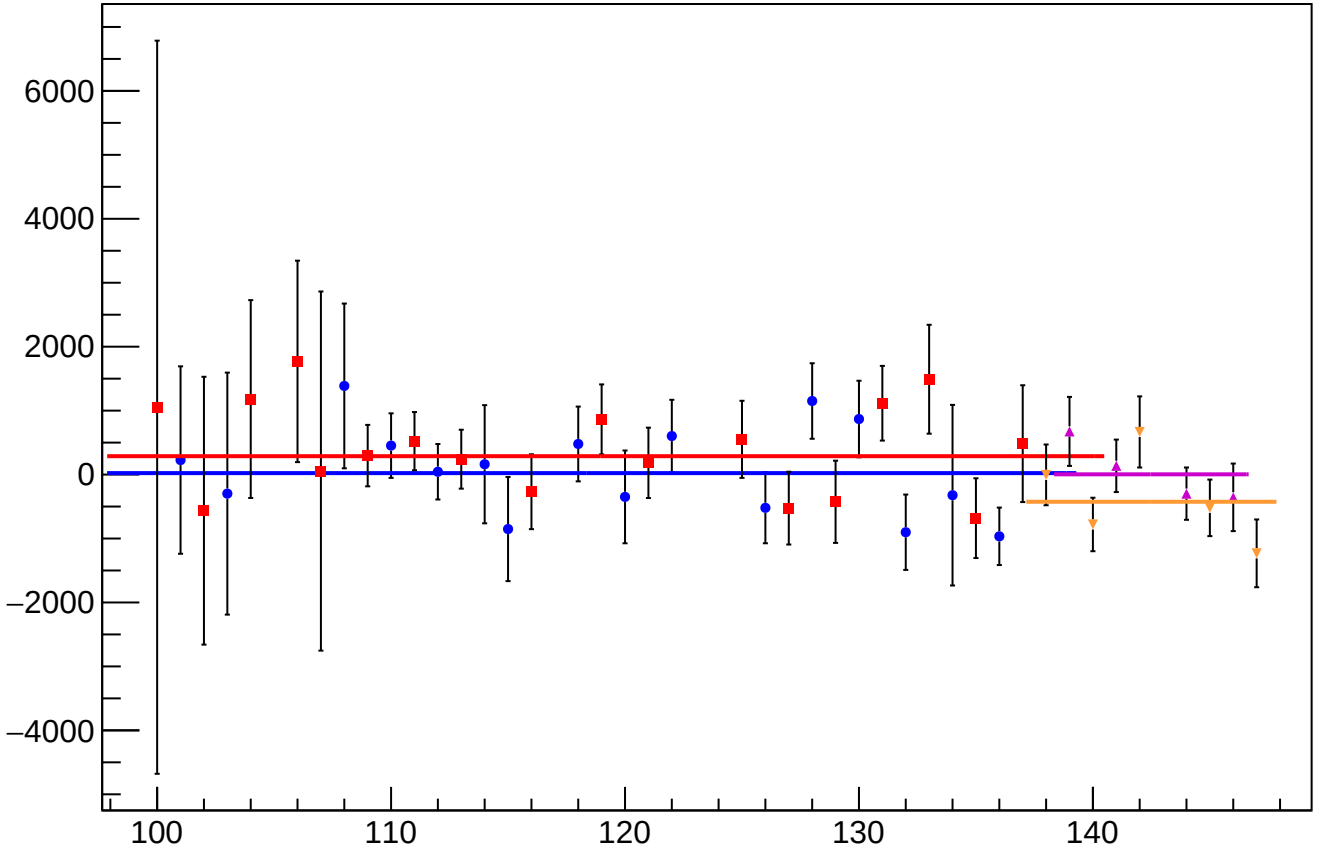
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1127.407+/-0.247 χ^2/NDF:638487.1/19

Out: 1134.008+/-0.245 χ^2/NDF:239598.9/22

All: 1130.727+/-0.174 χ^2/NDF: 878445.8/42

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -425.095+/-212.917 χ^2/NDF:7.7/4

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 3.769+/-229.768 χ^2/NDF:2.7/3

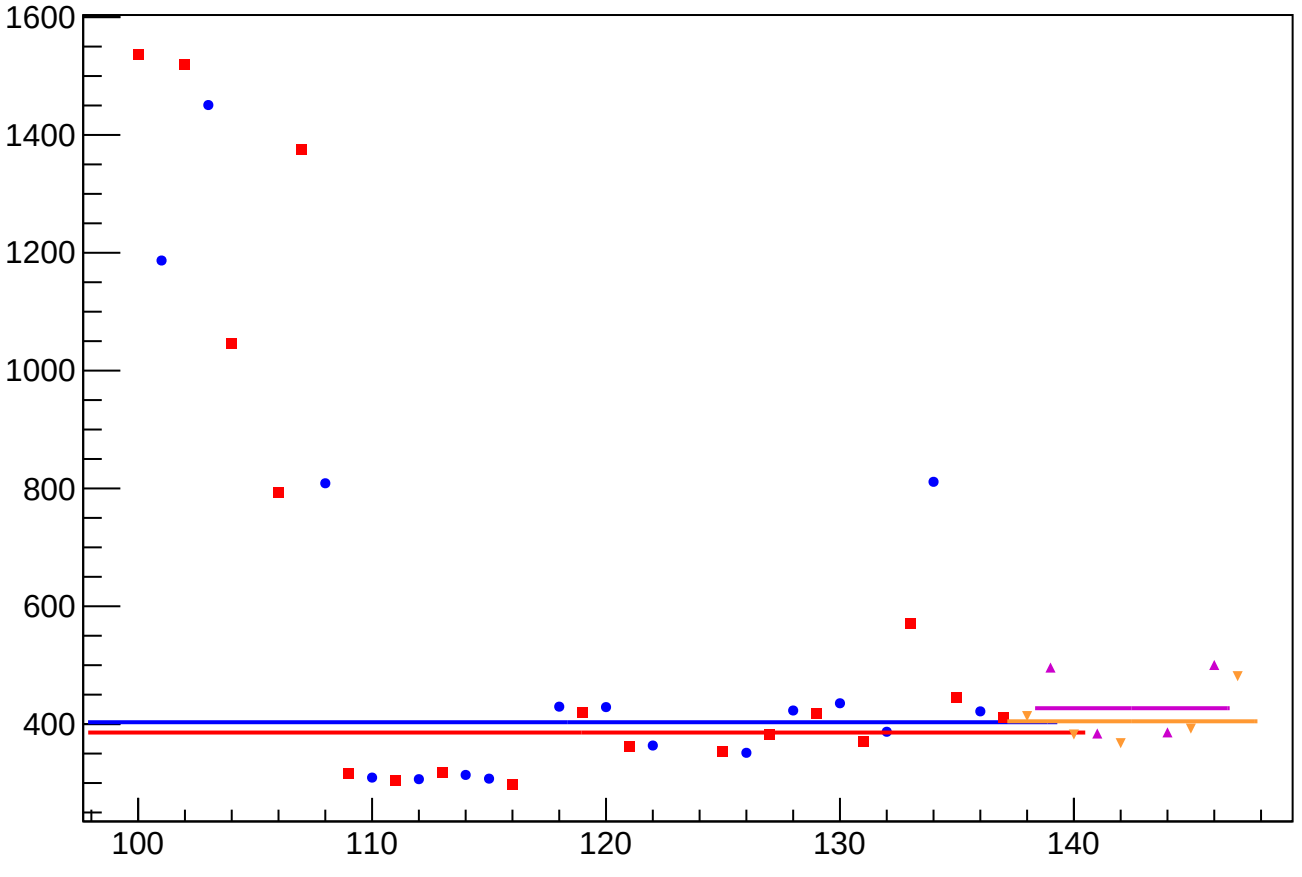
Left: -226.965+/-156.173 χ^2/NDF: 12.3/8

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 16.603+/-131.983 χ^2/NDF:21.6/19

Out: 38.220+/-125.950 χ^2/NDF:28.7/22

All: 27.917+/-91.118 χ^2/NDF: 50.3/42



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 404.751+/-0.151 χ^2/NDF:58664.7/4

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 426.975+/-0.162 χ^2/NDF:113343.6/3

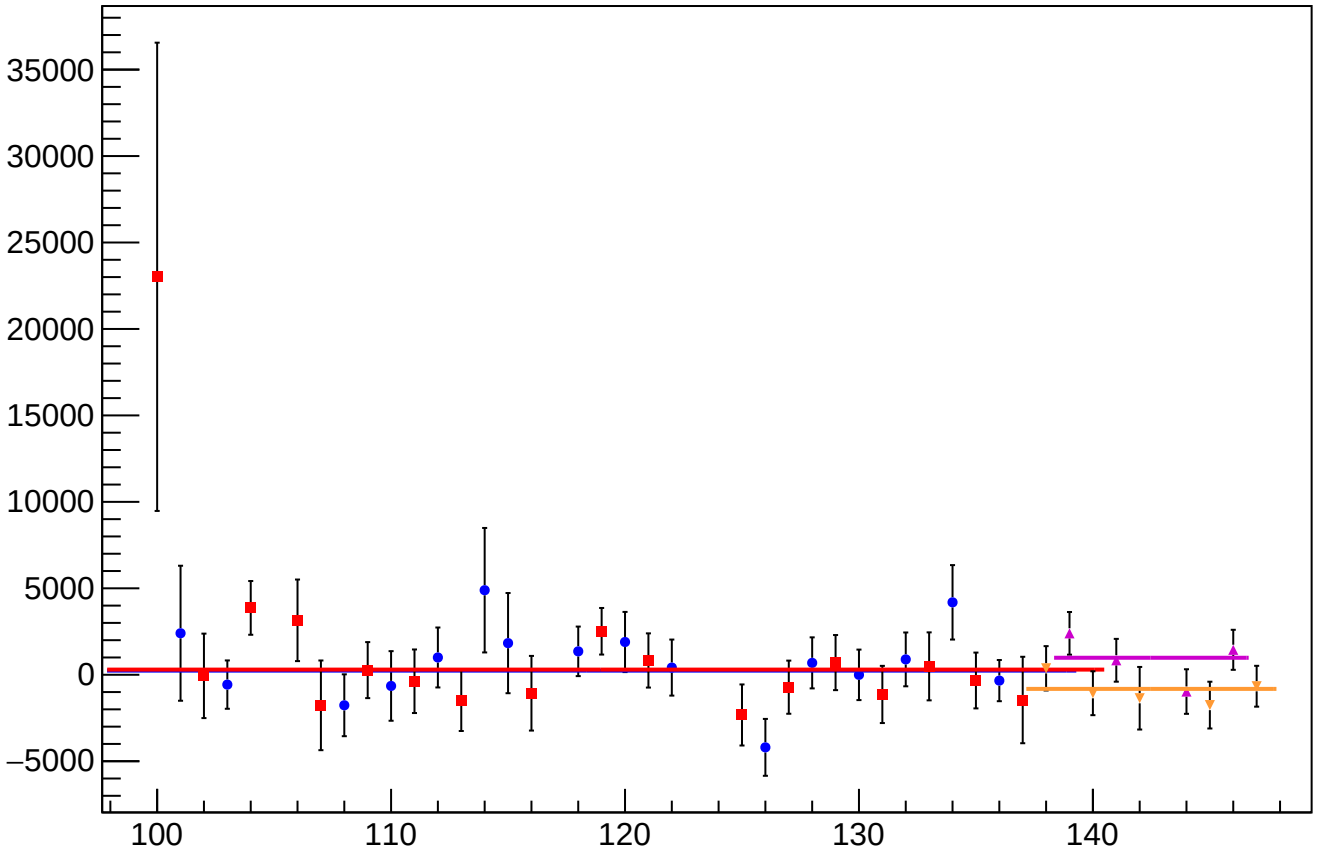
Left: 415.018+/-0.110 χ^2/NDF: 182074.7/8

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 411.033+/-0.093 χ^2/NDF:1939824.1/19

Out: 392.354+/-0.089 χ^2/NDF:1816246.3/22

All: 401.257+/-0.064 χ^2/NDF: 3777034.9/42



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -816.785+/-597.831 χ^2/NDF:1.5/4

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 983.544+/-613.426 χ^2/NDF:3.8/3

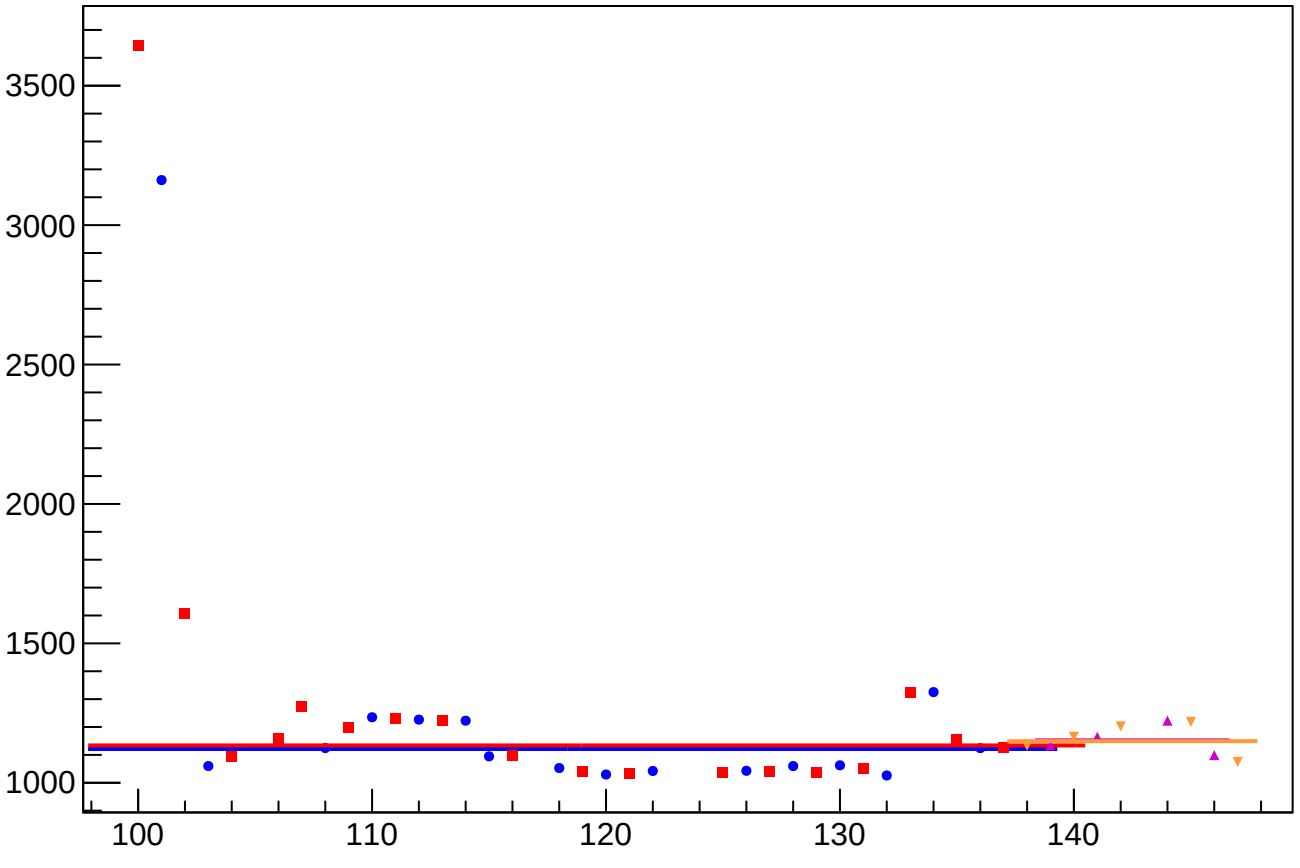
Left: 60.203+/-428.137 χ^2/NDF: 9.7/8

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 482.931+/-350.229 χ^2/NDF:21.7/19

Out: -82.378+/-349.491 χ^2/NDF:22.5/22

All: 199.681+/-247.388 χ^2/NDF: 45.5/42



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1149.253+/-0.423 χ^2/NDF:15528.8/4

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1152.134+/-0.434 χ^2/NDF:10822.4/3

Left: 1150.656+/-0.303 χ^2/NDF: 26373.9/8

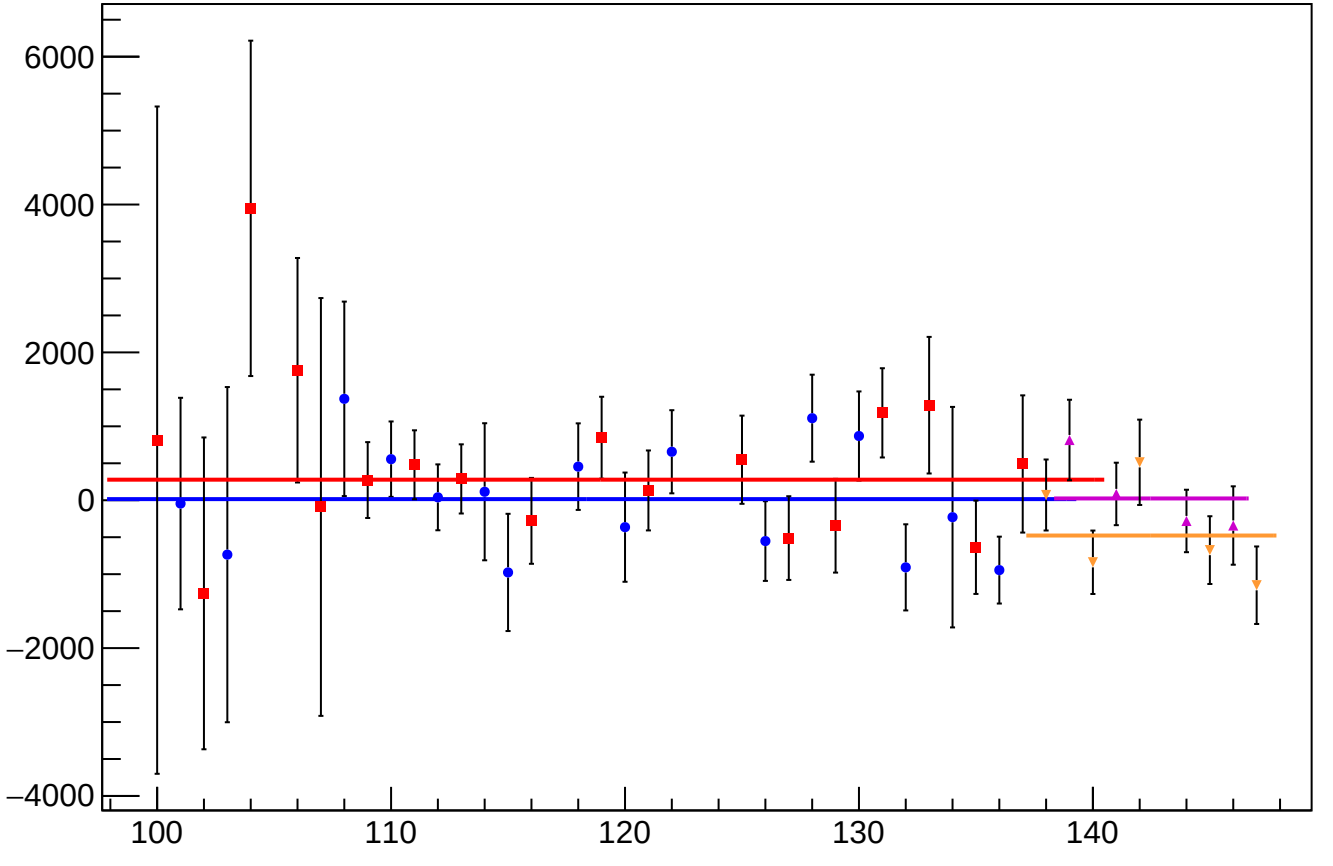
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1131.347+/-0.248 χ^2/NDF:631258.1/19

Out: 1139.166+/-0.247 χ^2/NDF:243850.8/22

All: 1135.265+/-0.175 χ^2/NDF: 875608.4/42

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -477.178+/-217.311 χ^2/NDF:6.8/4

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 24.238+/-234.836 χ^2/NDF:3.1/3

Left: -245.876+/-159.498 χ^2/NDF: 12.4/8

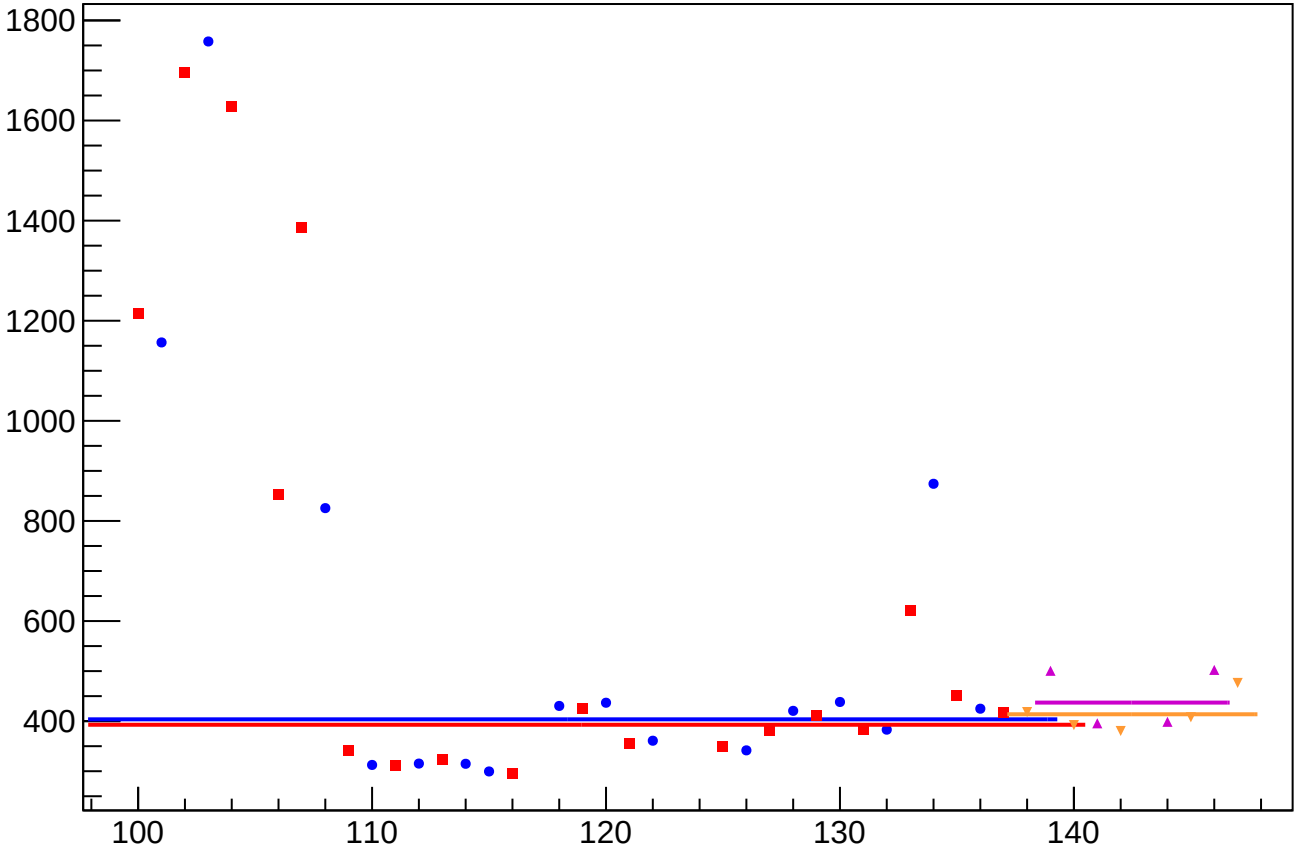
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 18.173+/-133.263 χ^2/NDF:22.7/19

Out: 15.221+/-128.229 χ^2/NDF:29.7/22

All: 16.640+/-92.400 χ^2/NDF: 52.5/42

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: 413.771+/-0.154 χ^2/NDF:40808.2/4

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 437.098+/-0.166 χ^2/NDF:93289.6/3

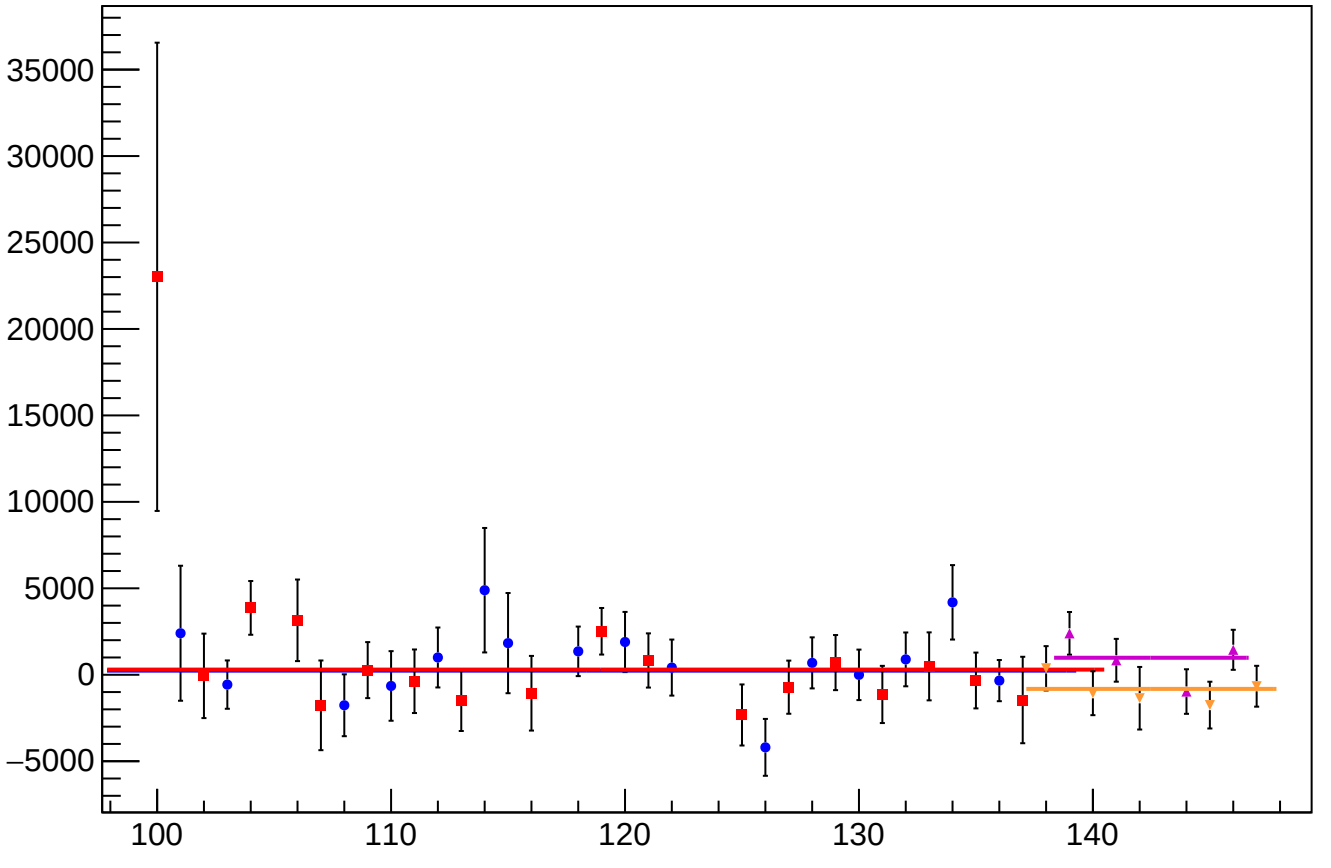
Left: 424.531+/-0.113 χ^2/NDF: 144728.8/8

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 414.425+/-0.094 χ^2/NDF:2050384.9/19

Out: 400.115+/-0.091 χ^2/NDF:2256380.5/22

All: 406.995+/-0.065 χ^2/NDF: 4318739.7/42



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -816.792+/-597.831 χ^2/NDF:1.5/4

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 983.541+/-613.426 χ^2/NDF:3.8/3

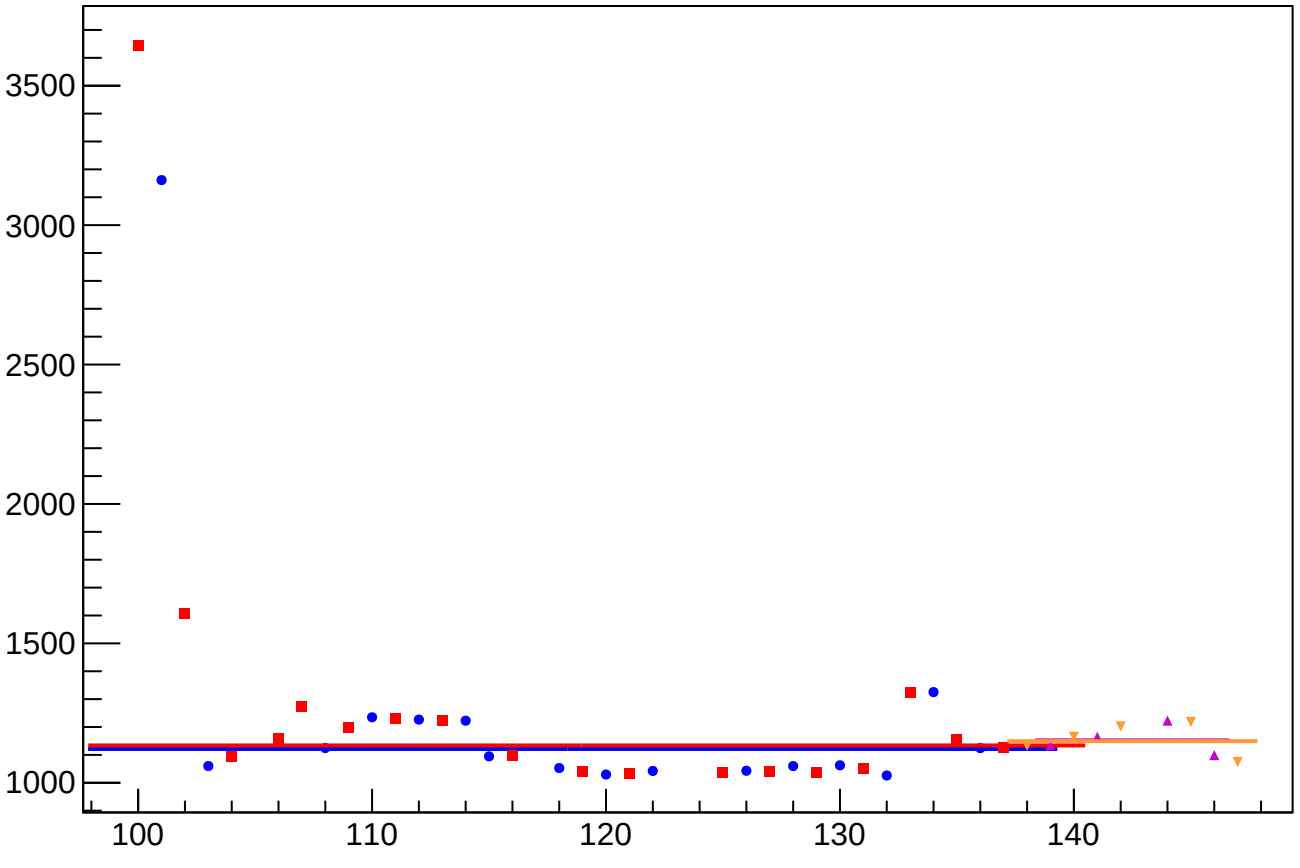
Left: 60.198+/-428.137 χ^2/NDF: 9.7/8

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 482.932+/-350.229 χ^2/NDF:21.7/19

Out: -82.379+/-349.491 χ^2/NDF:22.5/22

All: 199.680+/-247.388 χ^2/NDF: 45.5/42



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1149.253+/-0.423 χ^2/NDF:15528.9/4

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1152.134+/-0.434 χ^2/NDF:10822.5/3

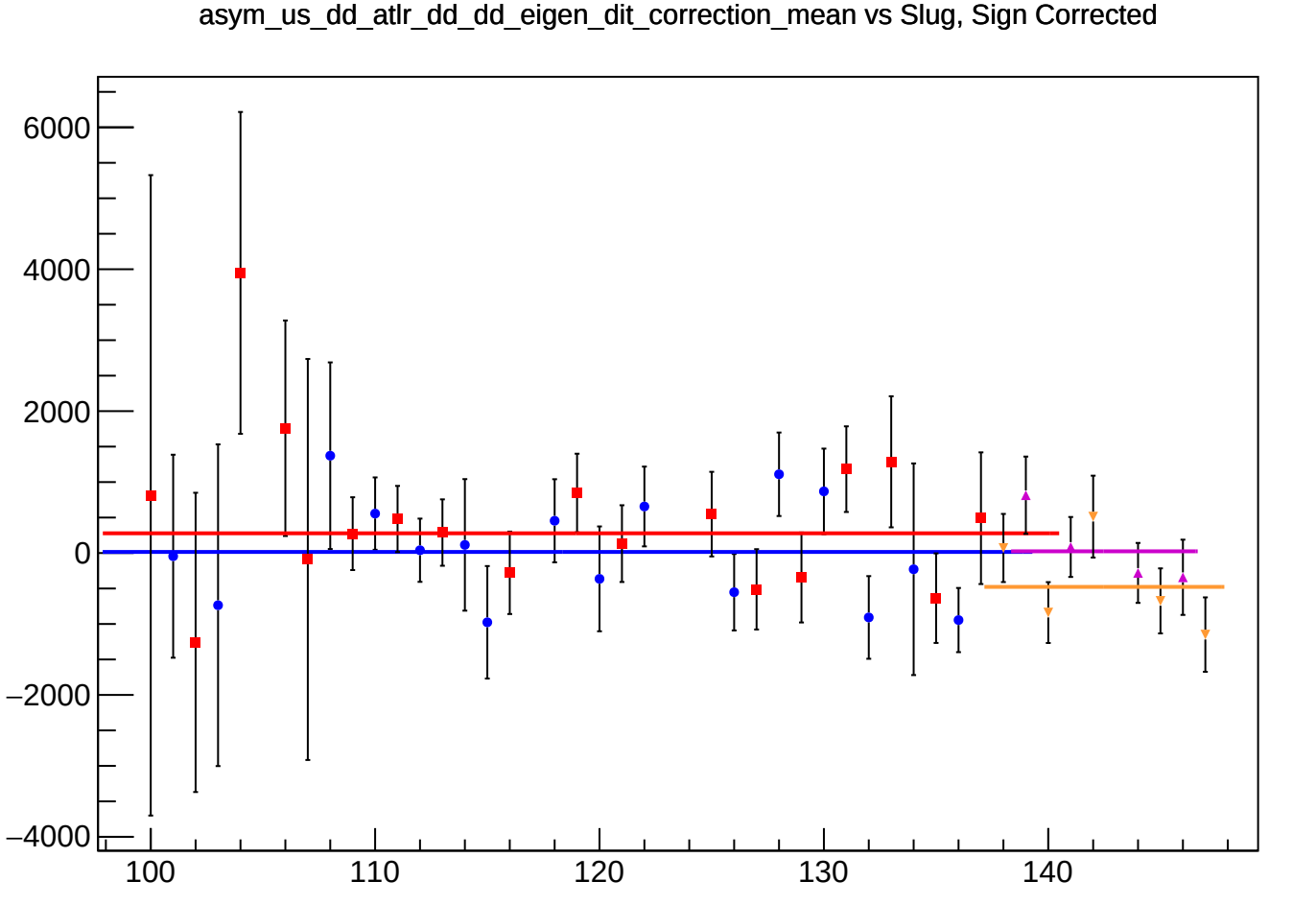
Left: 1150.656+/-0.303 χ^2/NDF: 26374.0/8

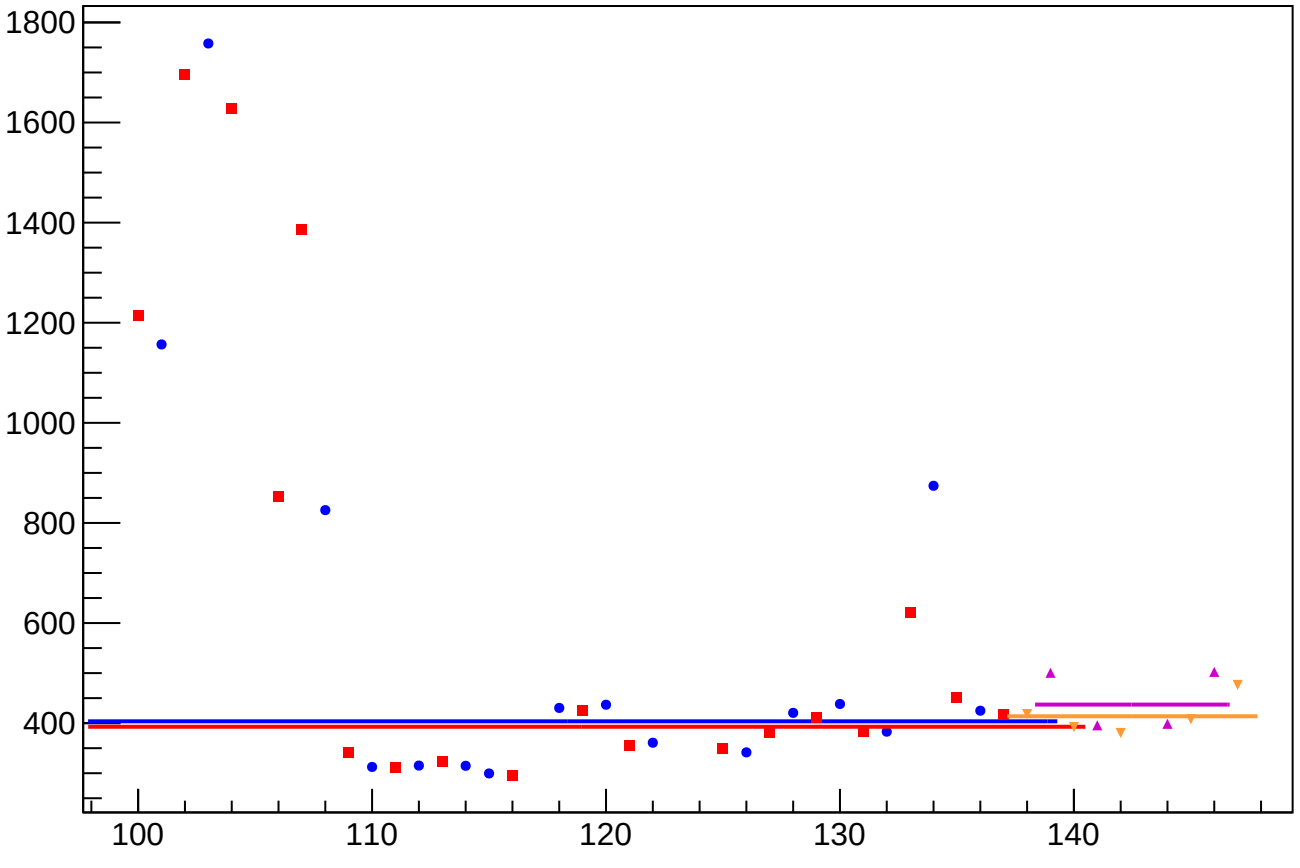
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1131.347+/-0.248 χ^2/NDF:631258.2/19

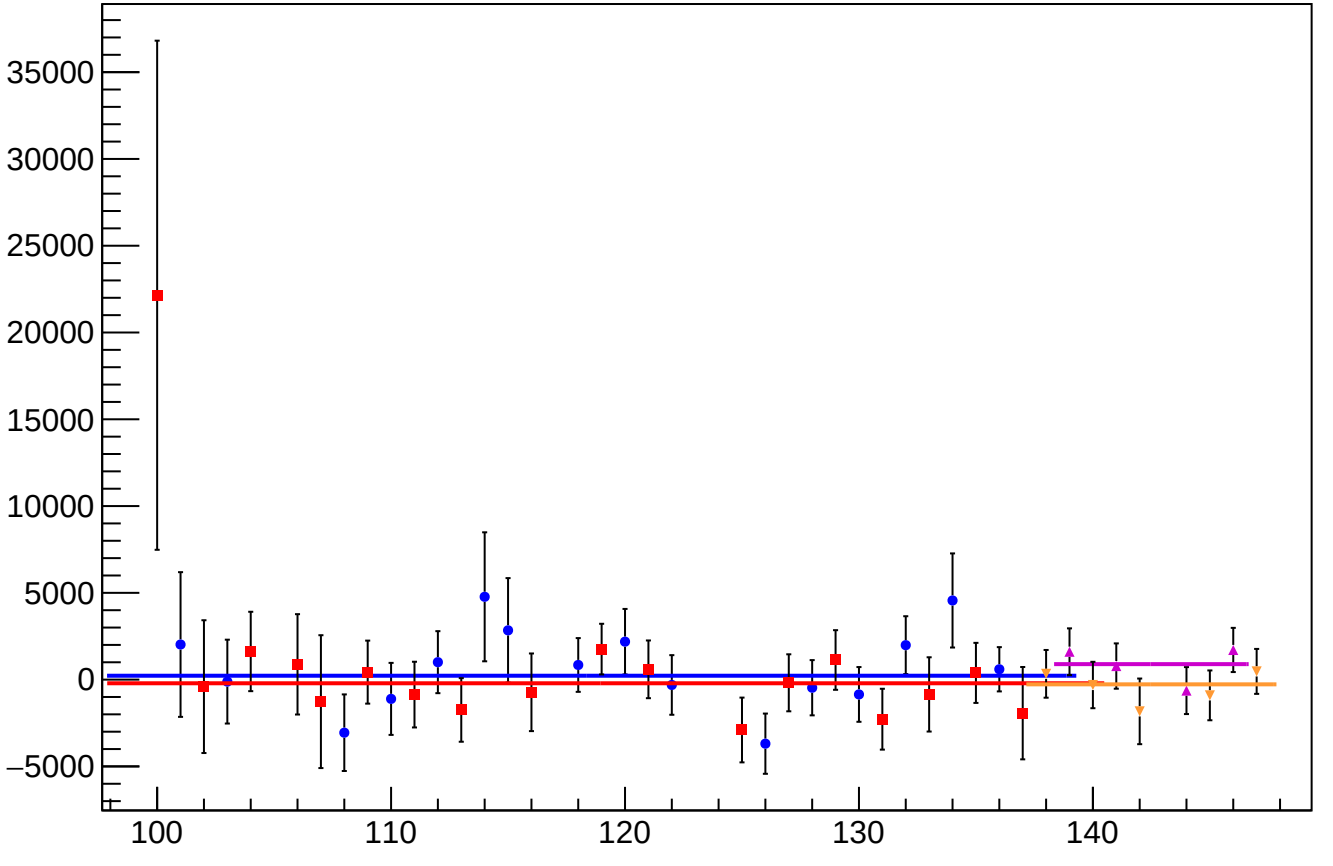
Out: 1139.166+/-0.247 χ^2/NDF:243850.9/22

All: 1135.265+/-0.175 χ^2/NDF: 875608.6/42


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -477.188+/-217.311 χ²/NDF:6.8/4
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 24.244+/-234.837 χ²/NDF:3.1/3
Left: -245.880+/-159.499 χ²/NDF: 12.4/8
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 18.172+/-133.262 χ²/NDF:22.7/19
Out: 15.219+/-128.229 χ²/NDF:29.7/22
All: 16.638+/-92.400 χ²/NDF: 52.5/42


asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
Right In: 403.653+/-0.114 χ²/NDF: 1929594.3/15
Left Out: 413.770+/-0.154 χ²/NDF:40805.4/4
Right Out: 392.817+/-0.112 χ²/NDF: 2203462.7/17
Left In: 437.100+/-0.166 χ²/NDF:93287.2/3
Left: 424.532+/-0.113 χ²/NDF: 144725.7/8
Right: 398.133+/-0.080 χ²/NDF: 4137623.7/33
In: 414.423+/-0.094 χ²/NDF:2050387.9/19
Out: 400.113+/-0.091 χ²/NDF:2256387.7/22
All: 406.993+/-0.065 χ²/NDF: 4318751.2/42

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: -271.586+/-638.846 χ^2/NDF:1.4/4

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 892.918+/-659.221 χ^2/NDF:2.0/3

Left: 292.392+/-458.767 χ^2/NDF: 5.0/8

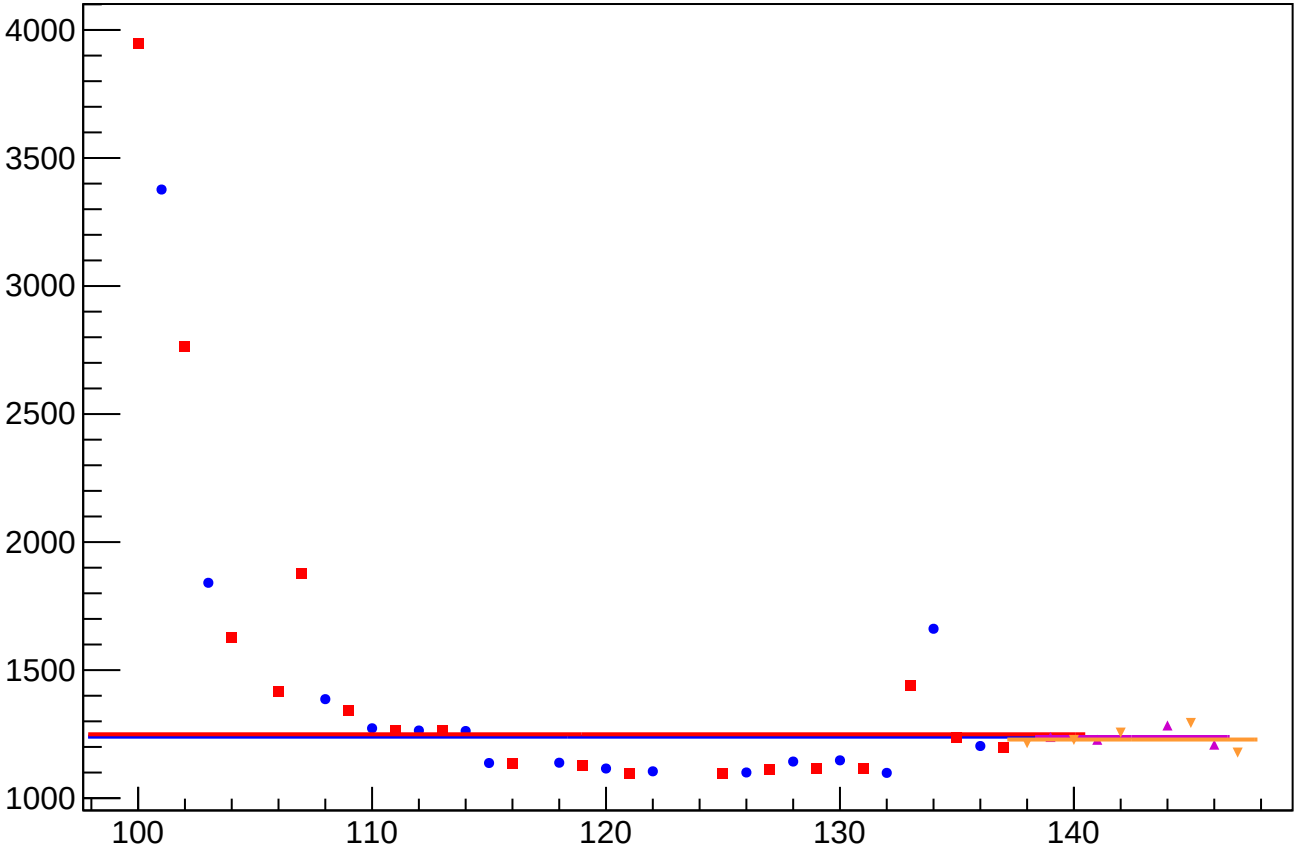
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 452.863+/-385.143 χ^2/NDF:18.8/19

Out: -231.933+/-382.634 χ^2/NDF:12.4/22

All: 108.227+/-271.446 χ^2/NDF: 32.7/42

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1228.918+/-0.452 χ^2/NDF:7800.5/4

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1238.791+/-0.466 χ^2/NDF:3450.8/3

Left: 1233.700+/-0.324 χ^2/NDF: 11482.7/8

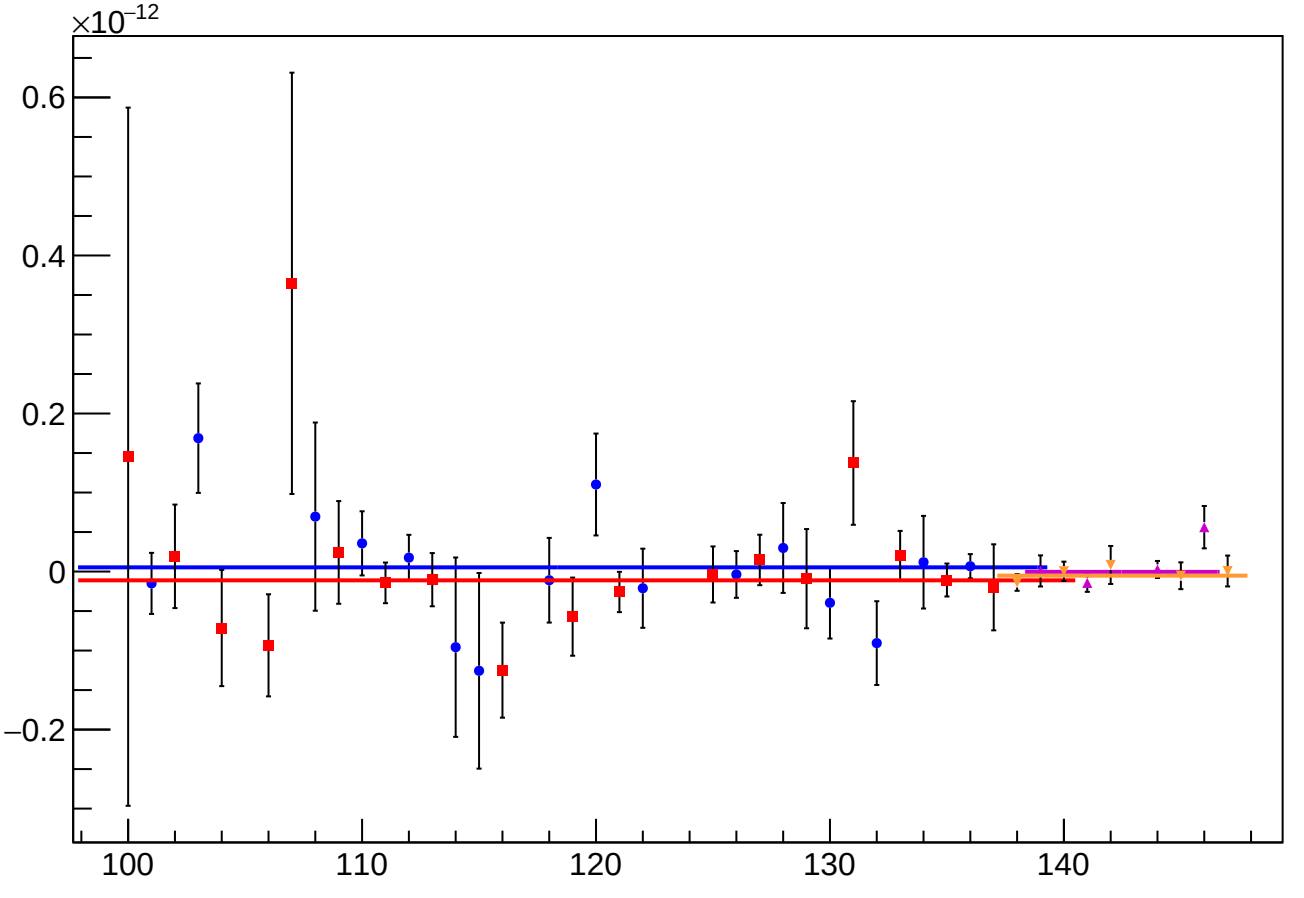
Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1239.679+/-0.272 χ^2/NDF:786136.1/19

Out: 1242.059+/-0.271 χ^2/NDF:615219.3/22

All: 1240.877+/-0.192 χ^2/NDF: 1401393.9/42

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/4

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

Left In: -0.000+/-0.000 χ^2/NDF:6.1/3

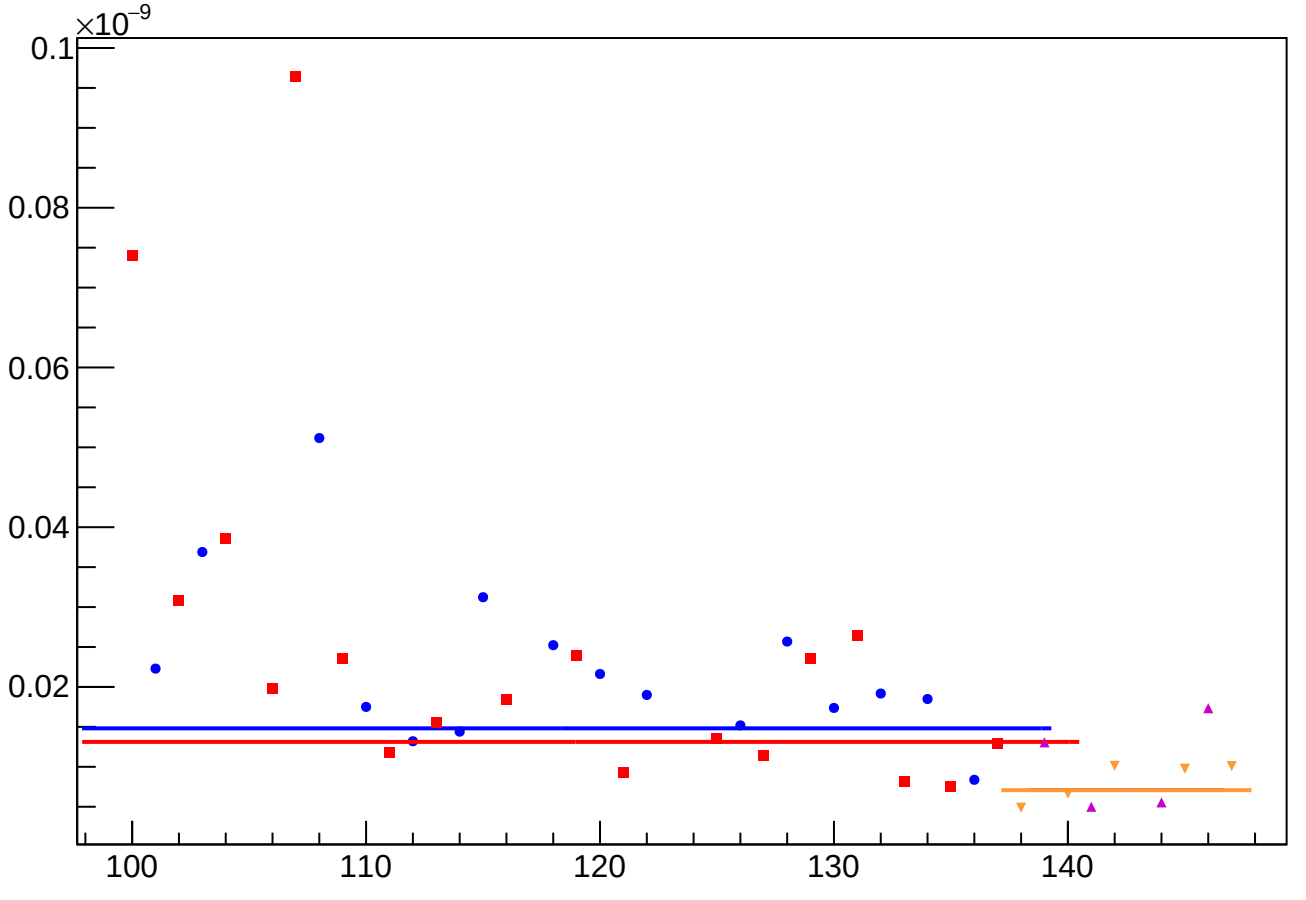
Left: -0.000+/-0.000 χ^2/NDF: 7.6/8

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:22.6/19

Out: -0.000+/-0.000 χ^2/NDF:16.6/22

All: -0.000+/-0.000 χ^2/NDF: 40.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:218045.8/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:585668.5/3

Left: 0.000+/-0.000 χ^2/NDF: 803720.1/8

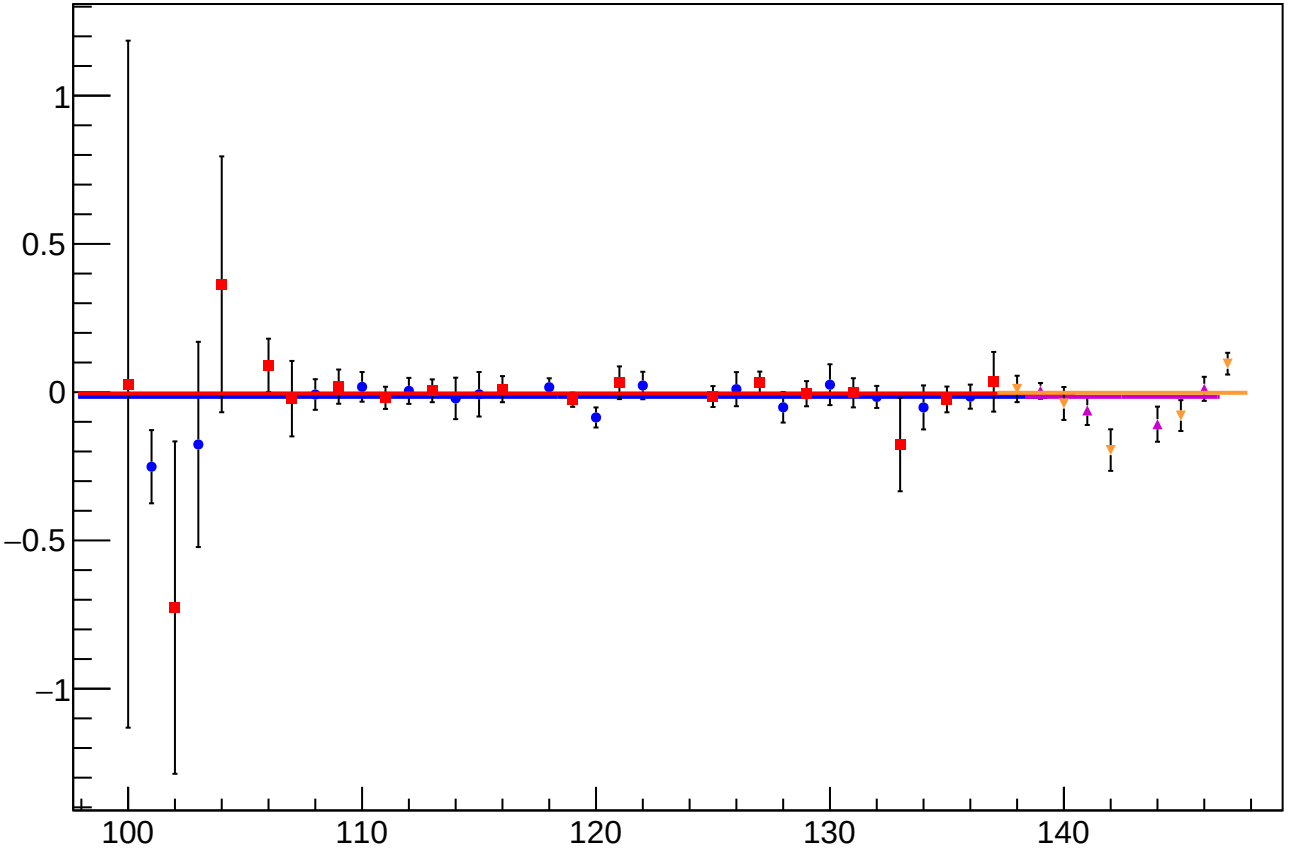
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2506650.7/19

Out: 0.000+/-0.000 χ^2/NDF:1959646.8/22

All: 0.000+/-0.000 χ^2/NDF: 4482508.4/42

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: -0.002+/-0.022 χ^2/NDF:17.4/4

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.016+/-0.019 χ^2/NDF:4.3/3

Left: -0.010+/-0.014 χ^2/NDF: 22.0/8

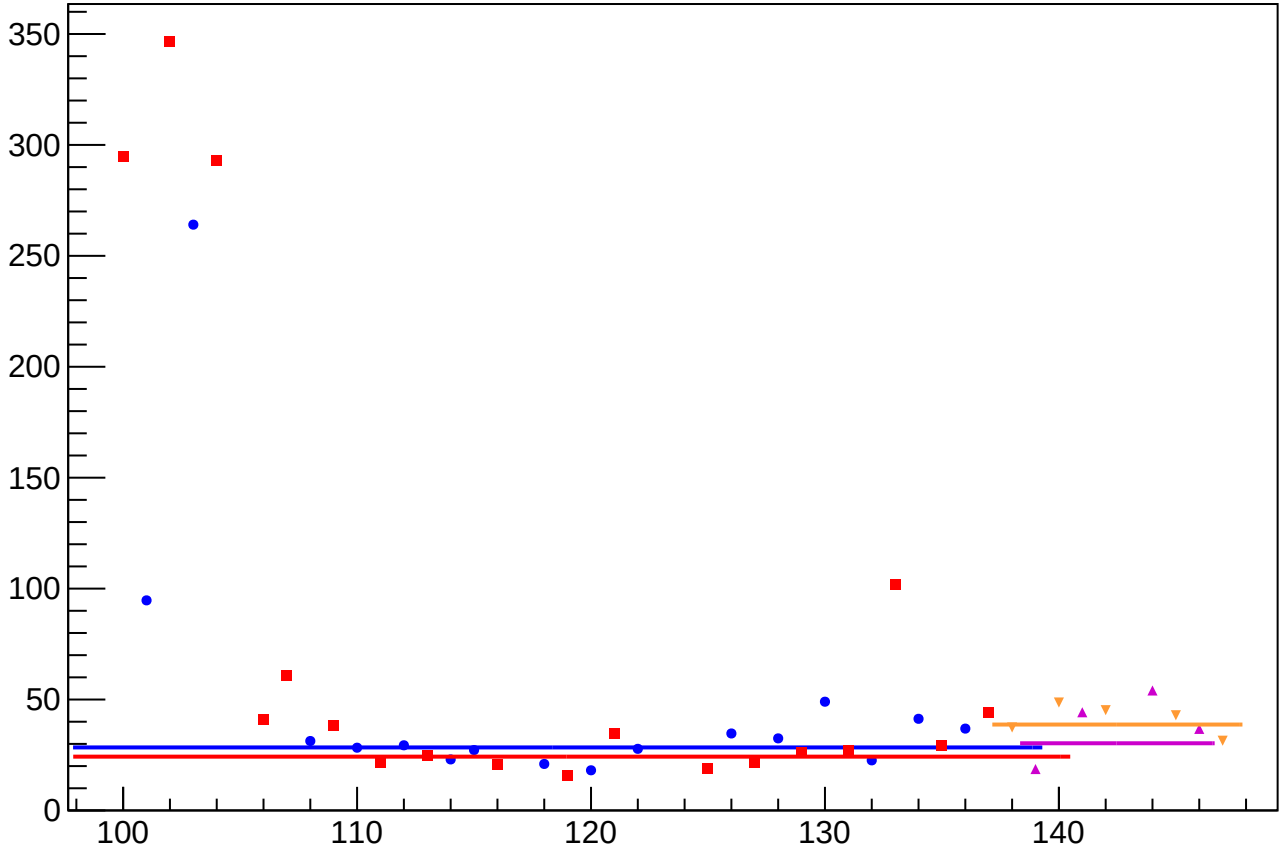
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.010 χ^2/NDF:16.2/19

Out: -0.004+/-0.010 χ^2/NDF:25.3/22

All: -0.010+/-0.007 χ^2/NDF: 42.2/42

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: 38.726+/-0.015 χ^2/NDF:174662.3/4

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 30.286+/-0.014 χ^2/NDF:920669.9/3

Left: 33.996+/-0.010 χ^2/NDF: 1266497.7/8

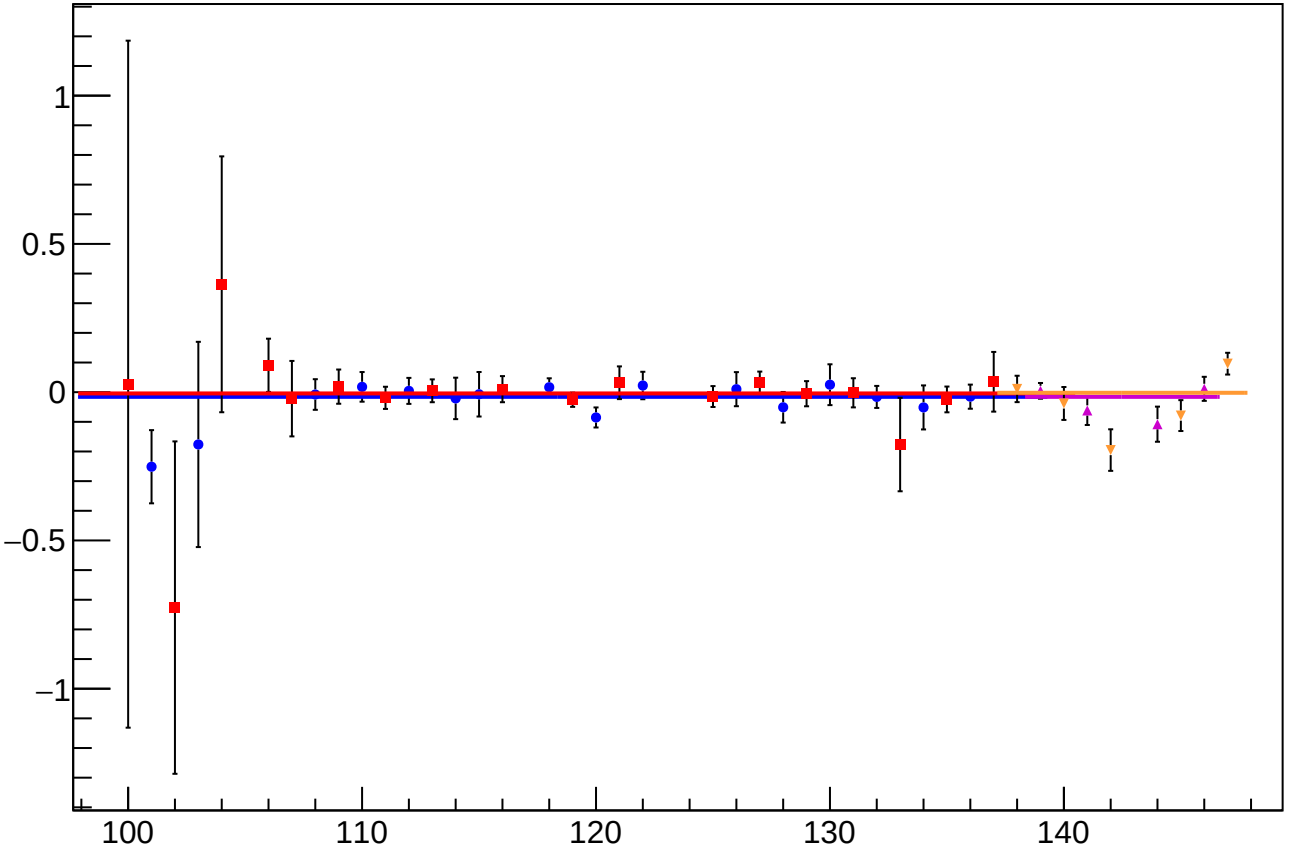
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 28.960+/-0.007 χ^2/NDF:3179904.8/19

Out: 27.425+/-0.007 χ^2/NDF:3789362.0/22

All: 28.175+/-0.005 χ^2/NDF: 6991774.1/42

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: -0.002+/-0.022 χ^2/NDF:17.4/4

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.016+/-0.019 χ^2/NDF:4.3/3

Left: -0.010+/-0.014 χ^2/NDF: 22.0/8

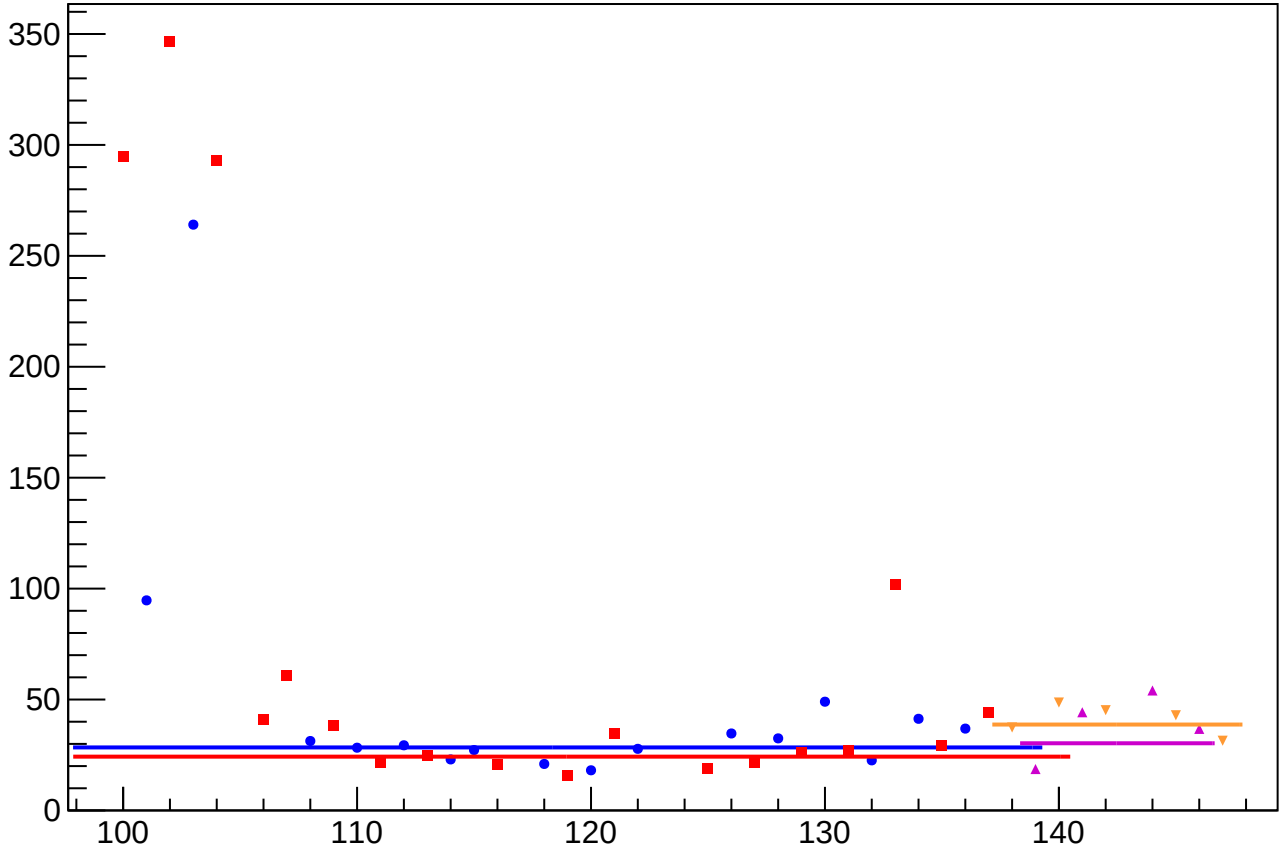
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.010 χ^2/NDF:16.2/19

Out: -0.004+/-0.010 χ^2/NDF:25.3/22

All: -0.010+/-0.007 χ^2/NDF: 42.2/42

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: 38.726+/-0.015 χ^2/NDF:174662.3/4

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 30.286+/-0.014 χ^2/NDF:920669.9/3

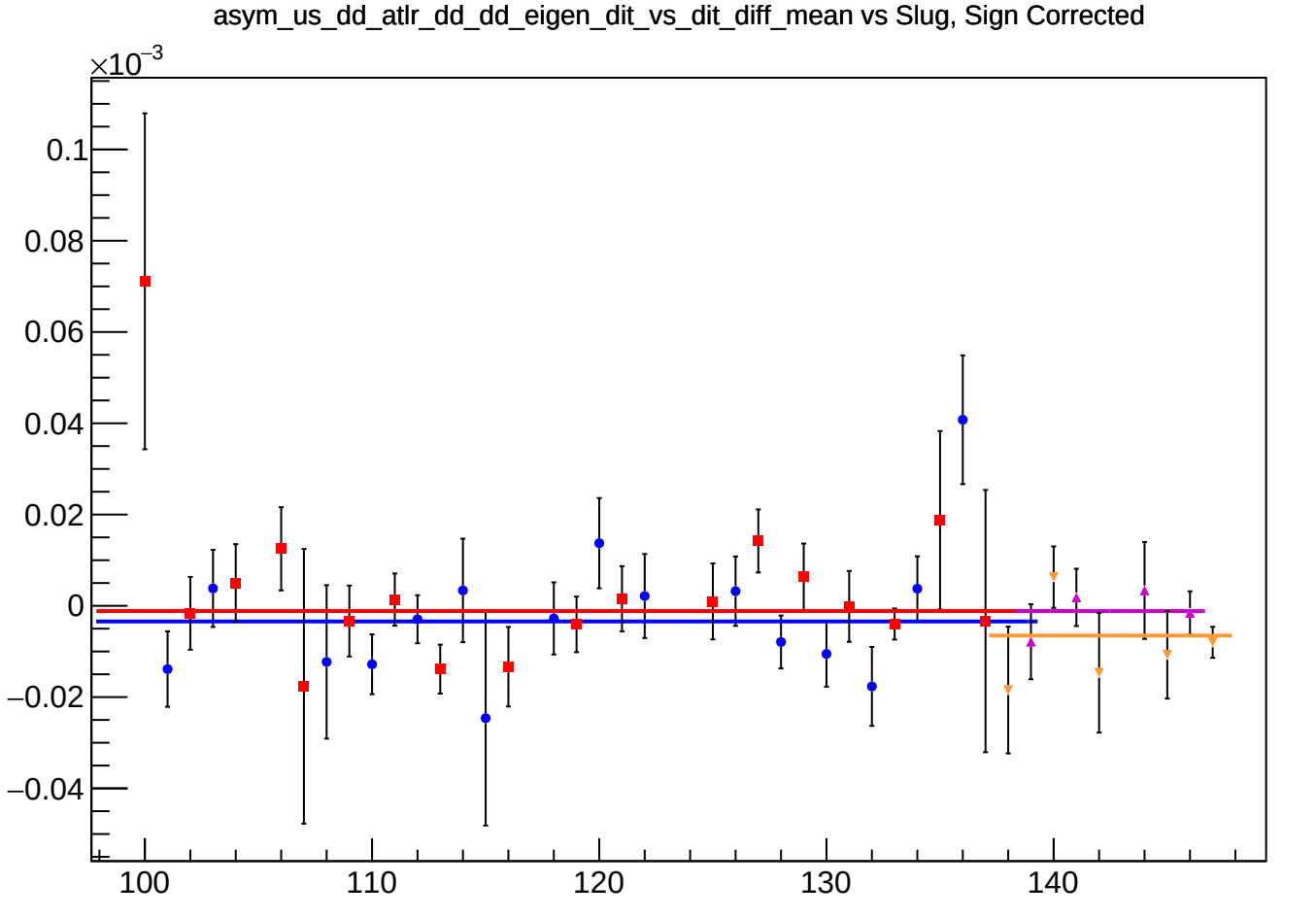
Left: 33.996+/-0.010 χ^2/NDF: 1266497.7/8

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 28.960+/-0.007 χ^2/NDF:3179904.8/19

Out: 27.425+/-0.007 χ^2/NDF:3789362.0/22

All: 28.175+/-0.005 χ^2/NDF: 6991774.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

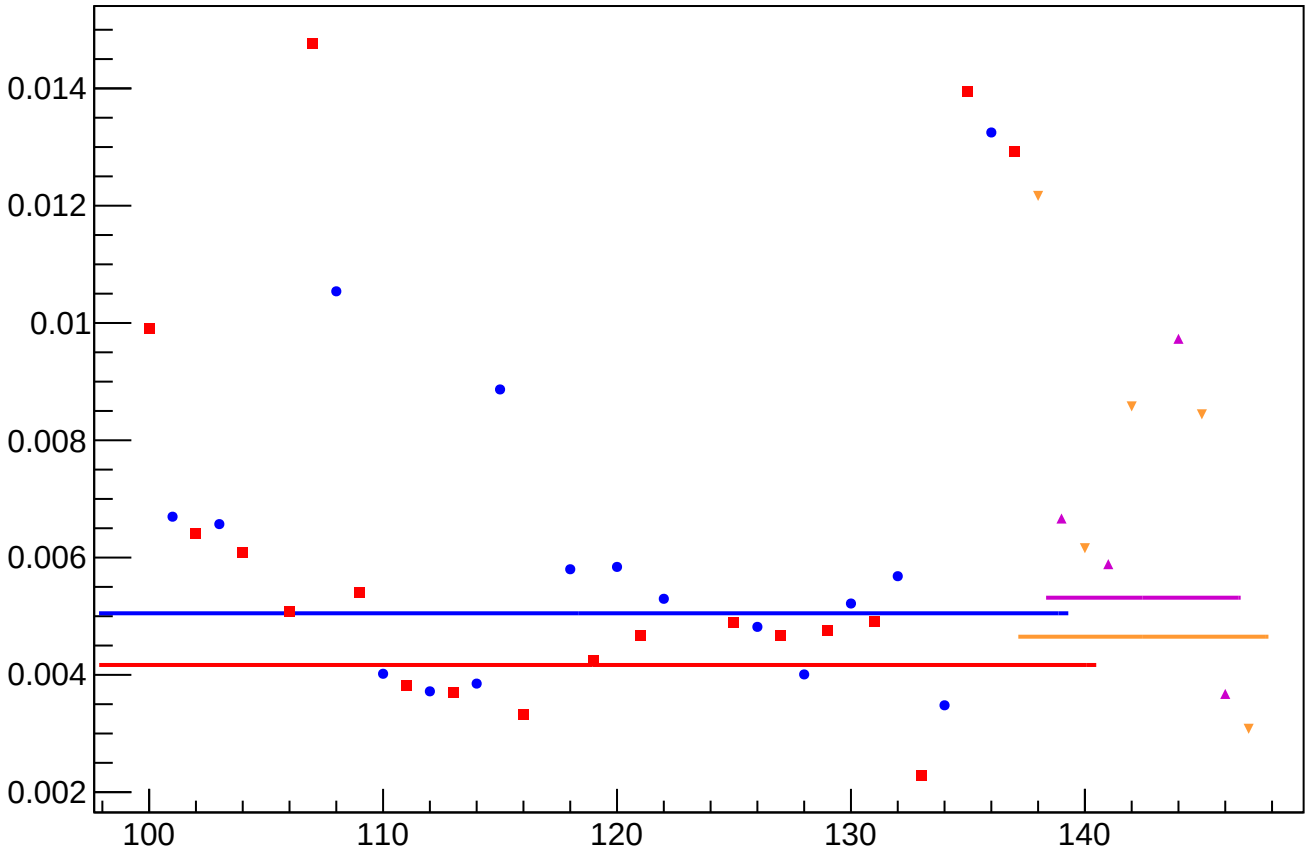
Left: -0.000+/-0.000 χ^2/NDF: 7.8/8

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:26.6/19

Out: -0.000+/-0.000 χ^2/NDF:30.8/22

All: -0.000+/-0.000 χ^2/NDF: 57.4/42



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:1605166.4/4

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.005+/-0.000 χ^2/NDF:658848.6/3

Left: 0.005+/-0.000 χ^2/NDF: 2312349.5/8

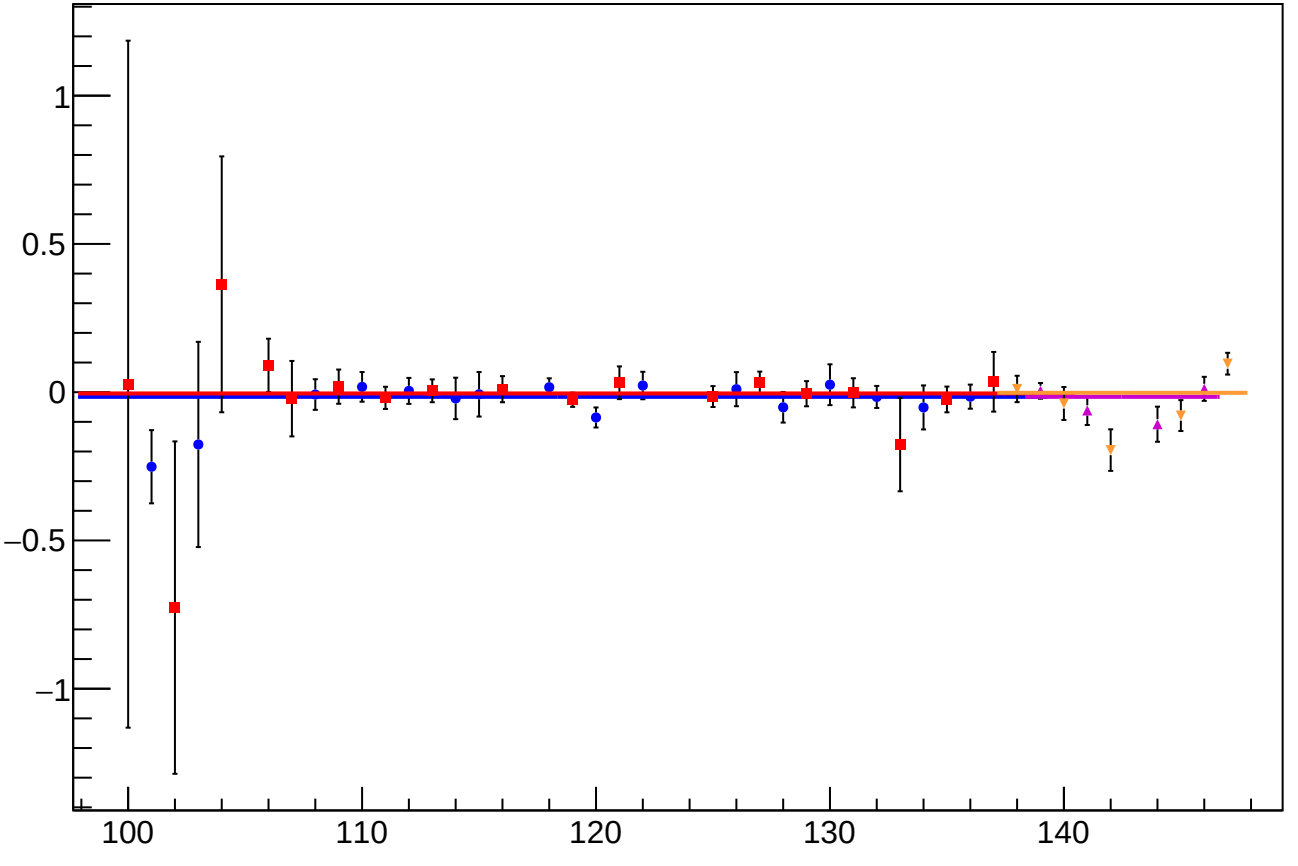
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:2162646.1/19

Out: 0.004+/-0.000 χ^2/NDF:3691259.4/22

All: 0.005+/-0.000 χ^2/NDF: 6122133.2/42

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: -0.002+/-0.022 χ^2/NDF:17.4/4

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.016+/-0.019 χ^2/NDF:4.3/3

Left: -0.010+/-0.014 χ^2/NDF: 22.0/8

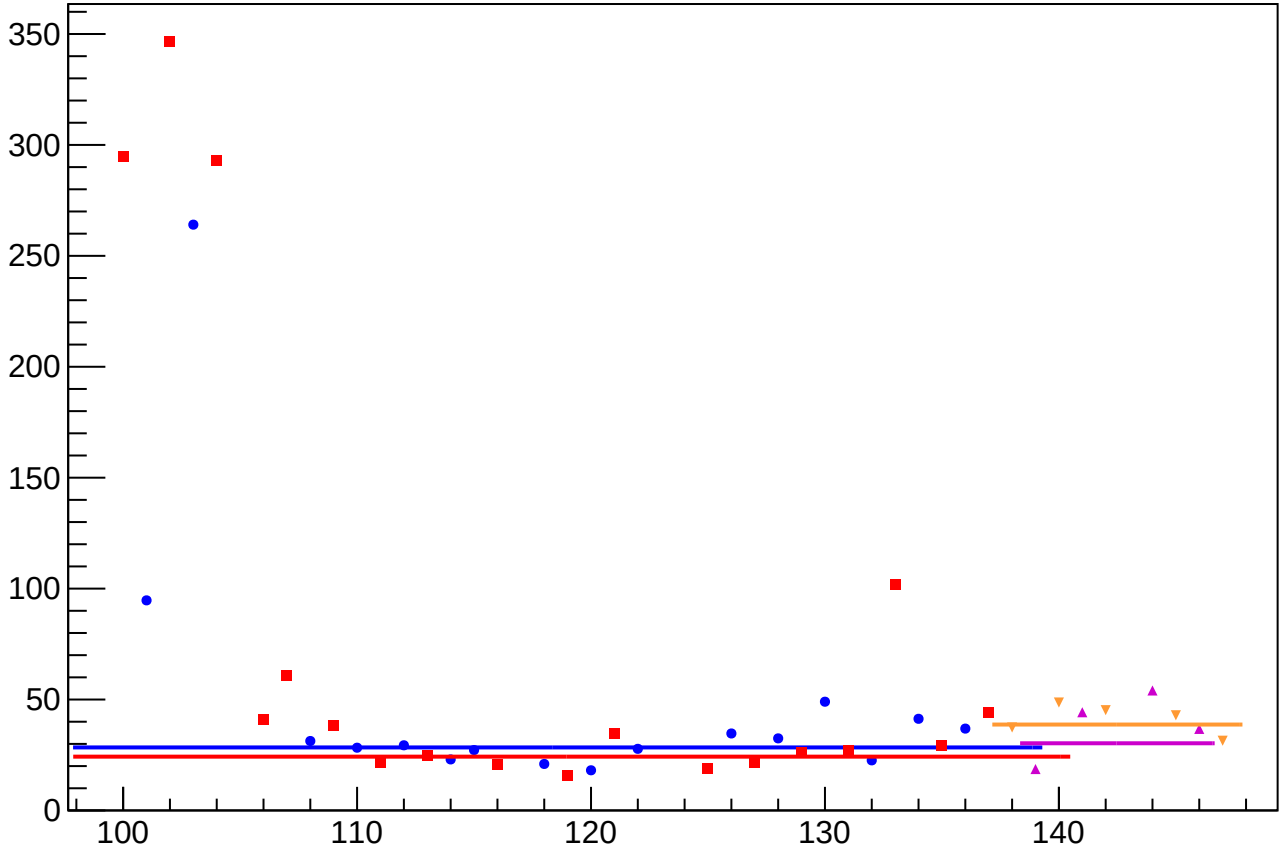
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.010 χ^2/NDF:16.2/19

Out: -0.004+/-0.010 χ^2/NDF:25.3/22

All: -0.010+/-0.007 χ^2/NDF: 42.2/42

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: 38.725+/-0.015 χ^2/NDF:174746.7/4

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 30.283+/-0.014 χ^2/NDF:920932.0/3

Left: 33.994+/-0.010 χ^2/NDF: 1266928.9/8

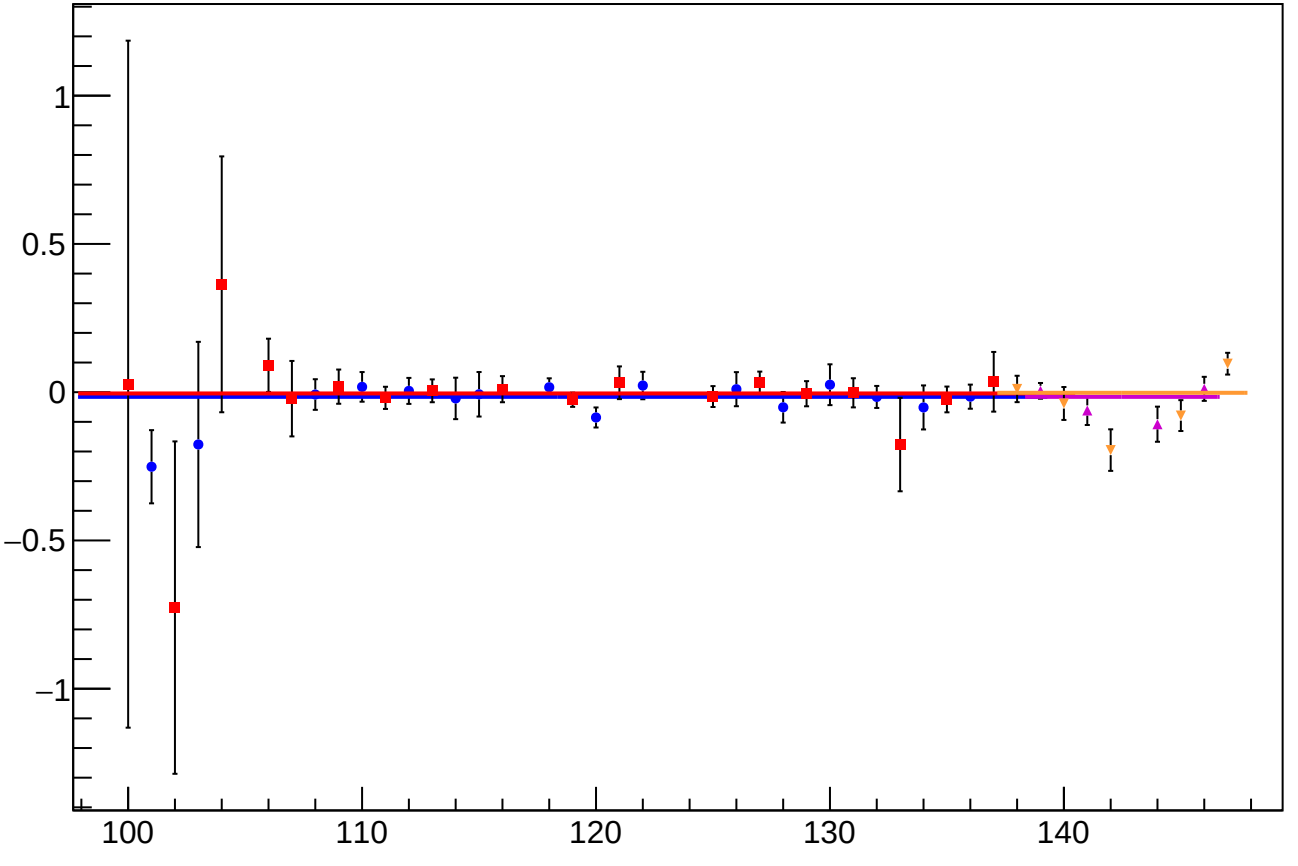
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 28.959+/-0.007 χ^2/NDF:3180146.8/19

Out: 27.424+/-0.007 χ^2/NDF:3789759.3/22

All: 28.173+/-0.005 χ^2/NDF: 6992438.7/42

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: -0.002+/-0.022 χ^2/NDF:17.4/4

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.016+/-0.019 χ^2/NDF:4.3/3

Left: -0.010+/-0.014 χ^2/NDF: 22.0/8

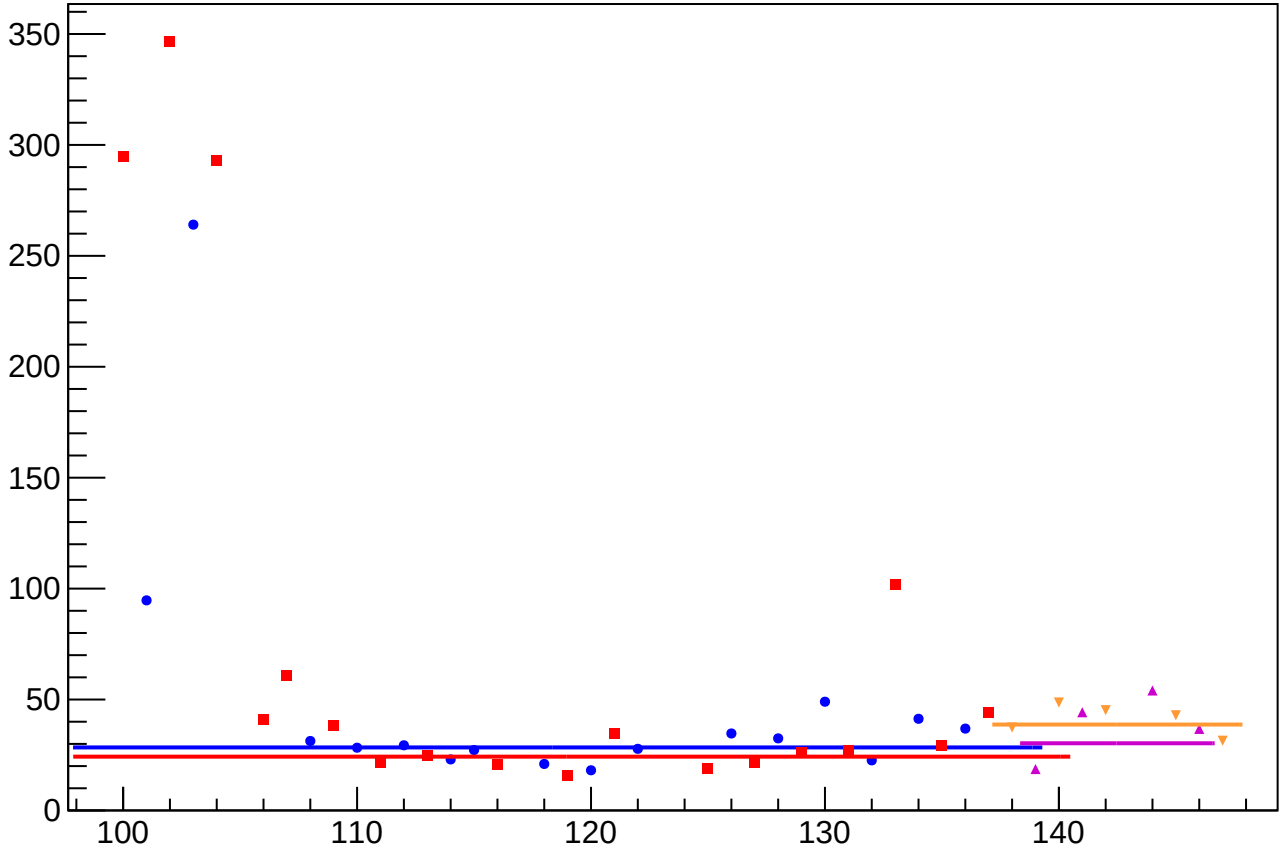
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.010 χ^2/NDF:16.2/19

Out: -0.004+/-0.010 χ^2/NDF:25.3/22

All: -0.010+/-0.007 χ^2/NDF: 42.2/42

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: 38.725+/-0.015 χ^2/NDF:174746.7/4

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 30.283+/-0.014 χ^2/NDF:920932.0/3

Left: 33.994+/-0.010 χ^2/NDF: 1266928.9/8

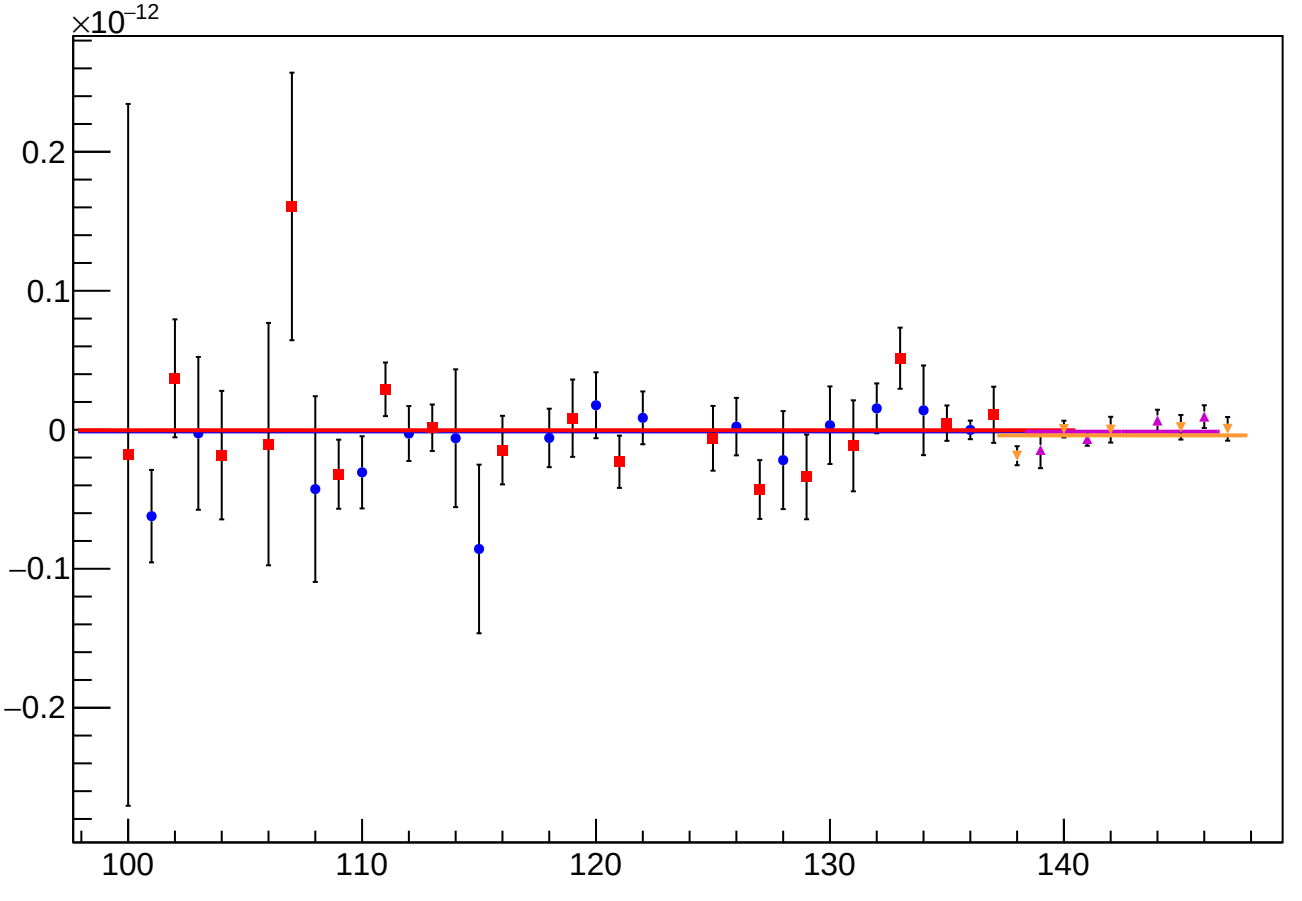
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 28.959+/-0.007 χ^2/NDF:3180146.8/19

Out: 27.424+/-0.007 χ^2/NDF:3789759.3/22

All: 28.173+/-0.005 χ^2/NDF: 6992438.7/42

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/4

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.0/3

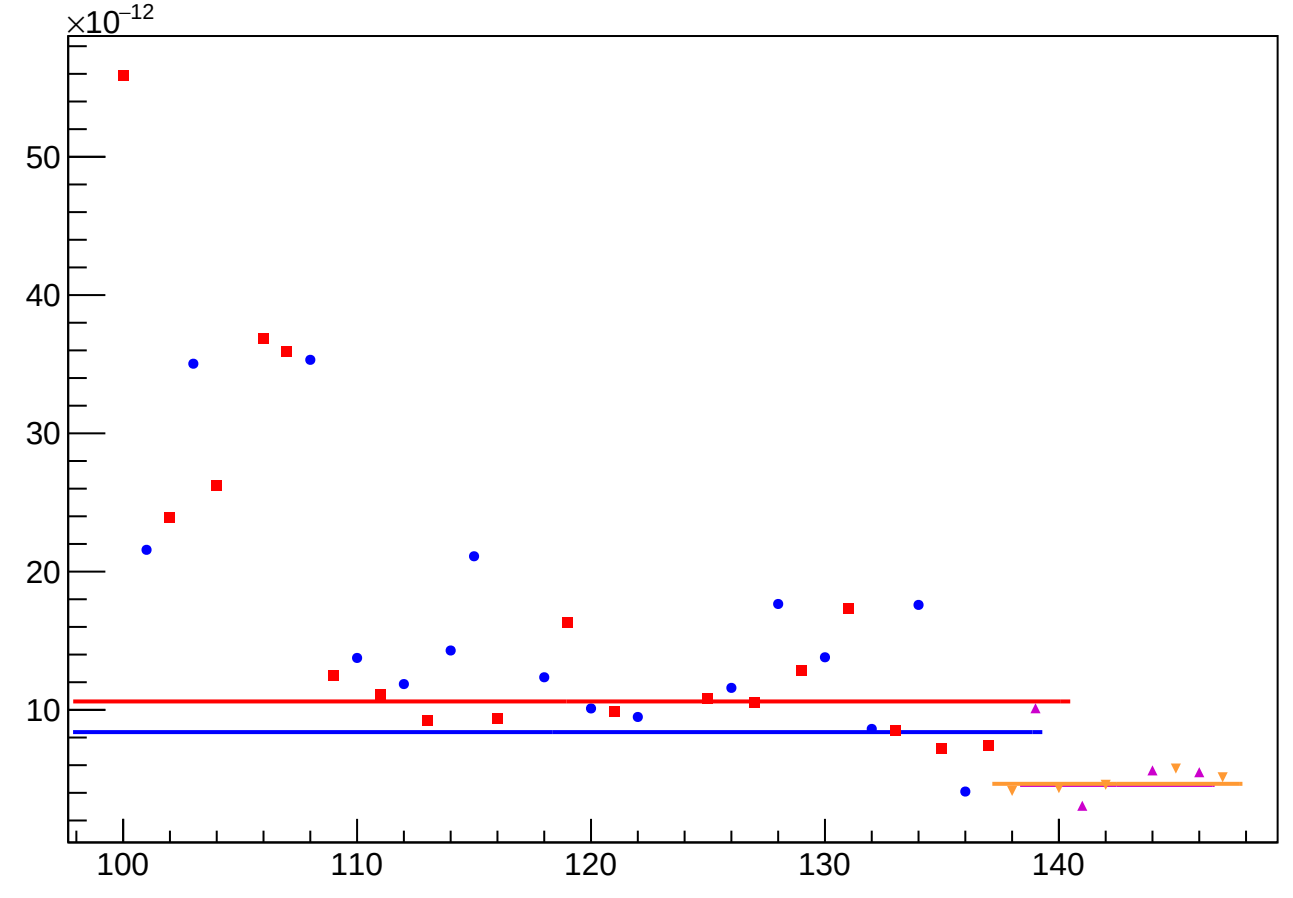
Left: -0.000+/-0.000 χ^2/NDF: 11.4/8

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:14.5/19

Out: -0.000+/-0.000 χ^2/NDF:27.5/22

All: -0.000+/-0.000 χ^2/NDF: 42.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:54120.9/4

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:610853.4/3

Left: 0.000+/-0.000 χ^2/NDF: 665524.8/8

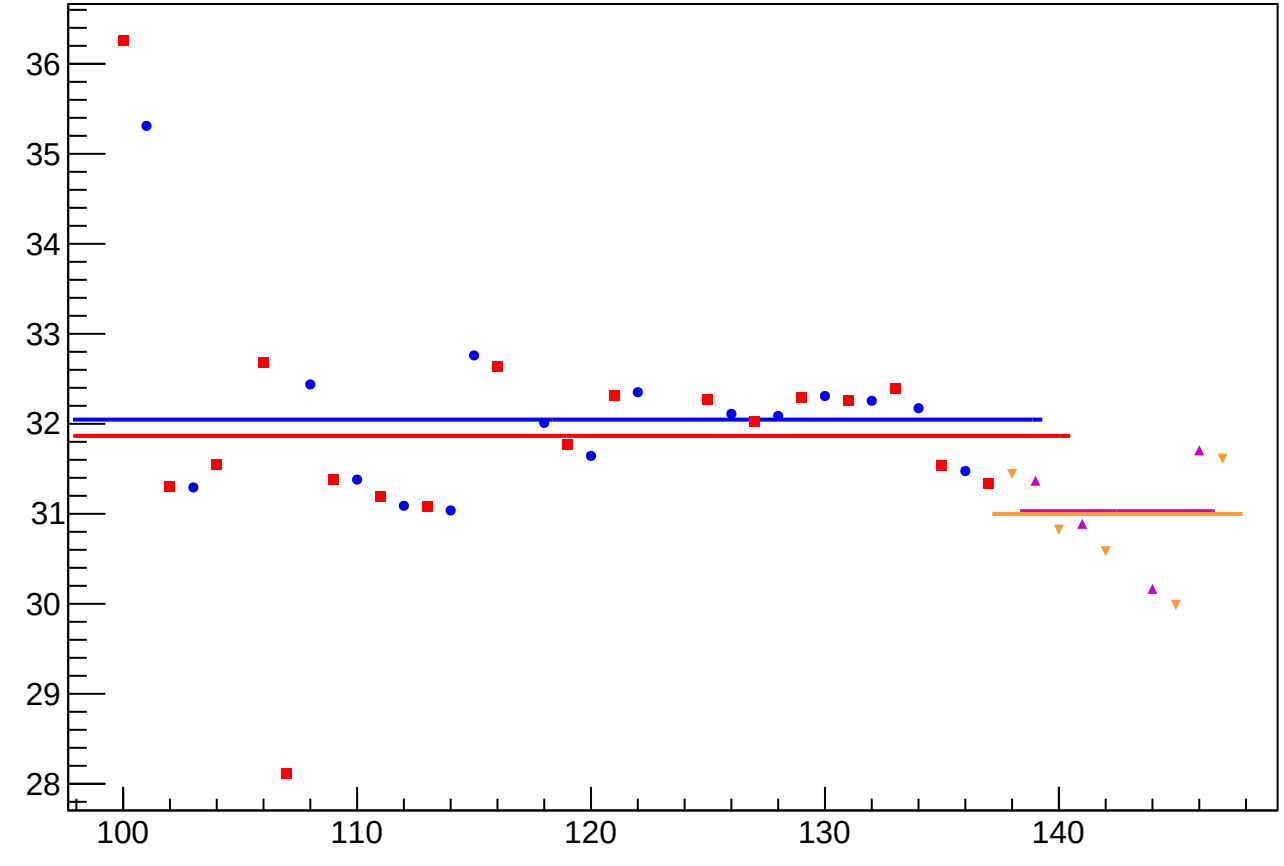
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:4146808.1/19

Out: 0.000+/-0.000 χ^2/NDF:2938581.8/22

All: 0.000+/-0.000 χ^2/NDF: 7097453.7/42

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 30.999+/-0.000 χ^2/NDF:157540563.7/4

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.030+/-0.000 χ^2/NDF:147256950.5/3

Left: 31.014+/-0.000 χ^2/NDF: 305005079.6/8

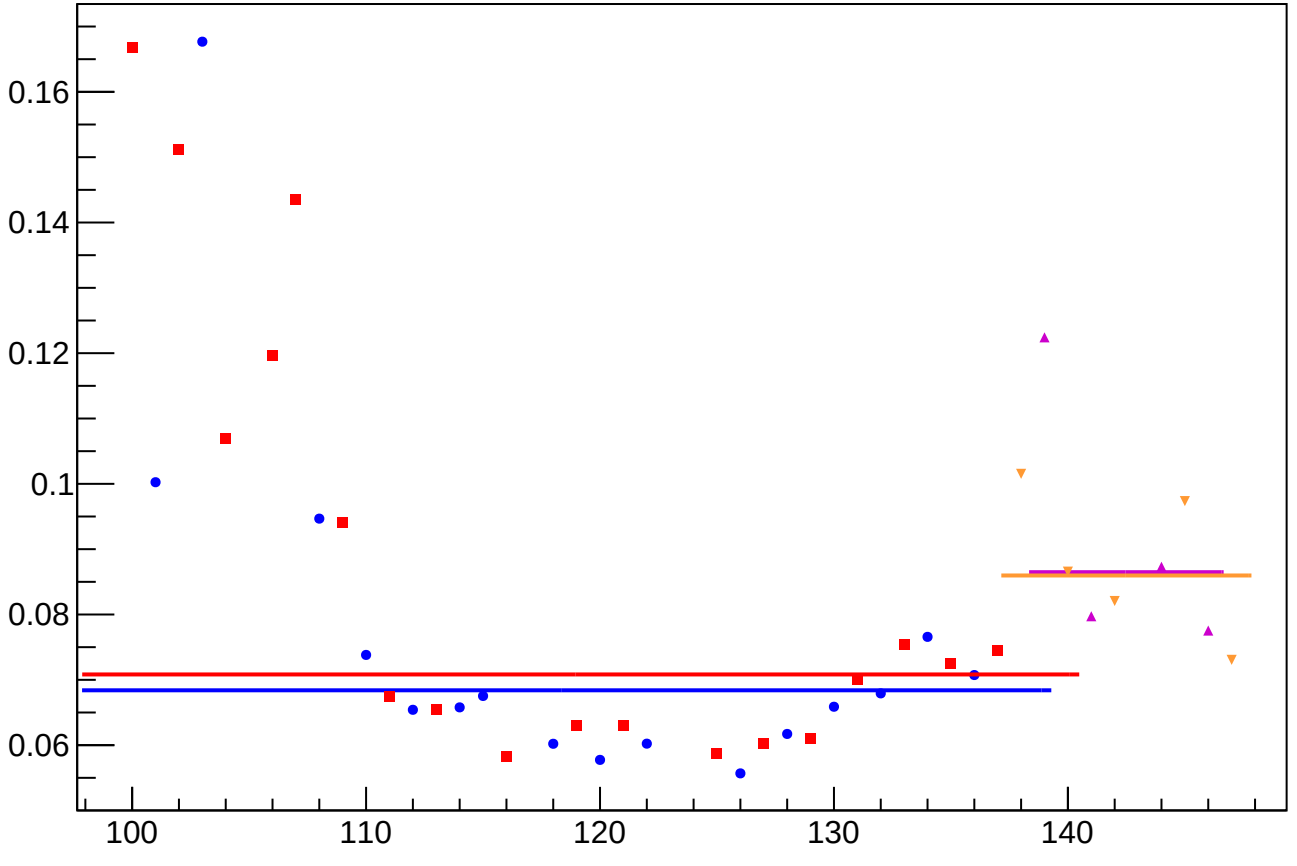
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.810+/-0.000 χ^2/NDF:1368927117.3/19

Out: 31.640+/-0.000 χ^2/NDF:886424837.3/22

All: 31.727+/-0.000 χ^2/NDF: 2279878594.9/4

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.086+/-0.000 χ^2/NDF:102462.7/4

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.086+/-0.000 χ^2/NDF:167710.7/3

Left: 0.086+/-0.000 χ^2/NDF: 270280.7/8

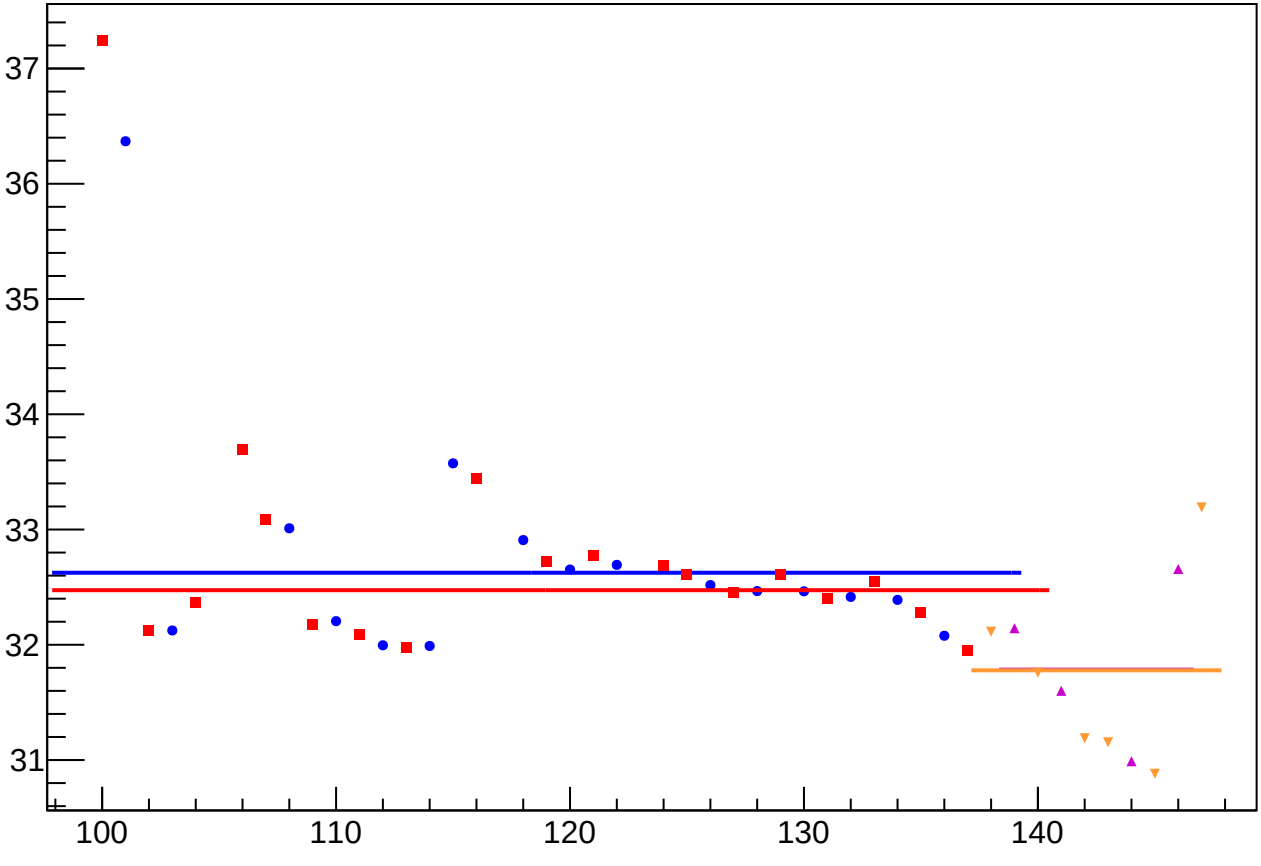
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.073+/-0.000 χ^2/NDF:1075089.1/19

Out: 0.075+/-0.000 χ^2/NDF:1118918.1/22

All: 0.074+/-0.000 χ^2/NDF: 2201889.9/42

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 31.778+/-0.000 χ^2/NDF:437066580.8/5

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 31.784+/-0.000 χ^2/NDF:202576823.7/3

Left: 31.781+/-0.000 χ^2/NDF: 639652195.3/9

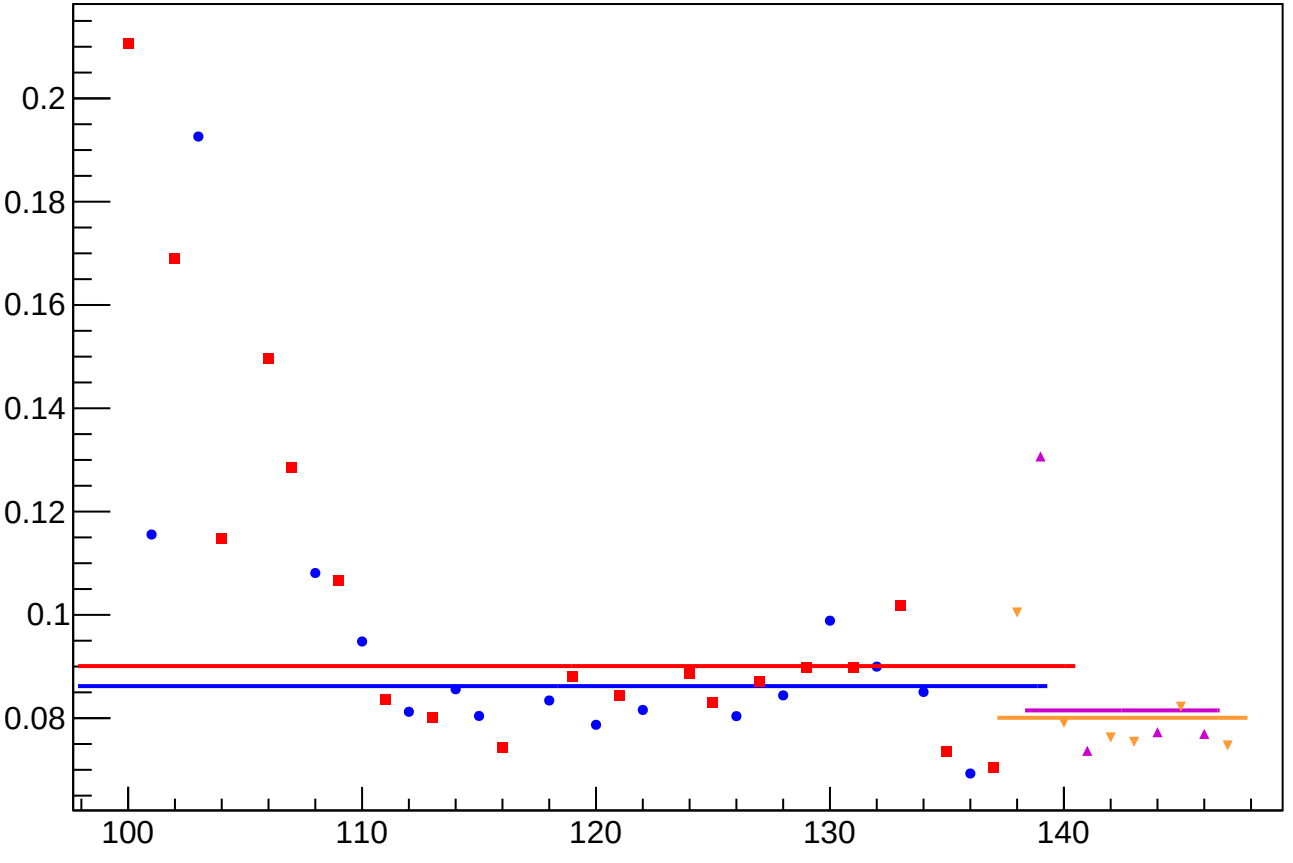
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.325+/-0.000 χ^2/NDF:1155030570.7/19

Out: 32.170+/-0.000 χ^2/NDF:761577685.3/24

All: 32.244+/-0.000 χ^2/NDF: 1932935280.9/4

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.080+/-0.000 χ^2/NDF:75215.0/5

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.082+/-0.000 χ^2/NDF:259819.8/3

Left: 0.081+/-0.000 χ^2/NDF: 336124.1/9

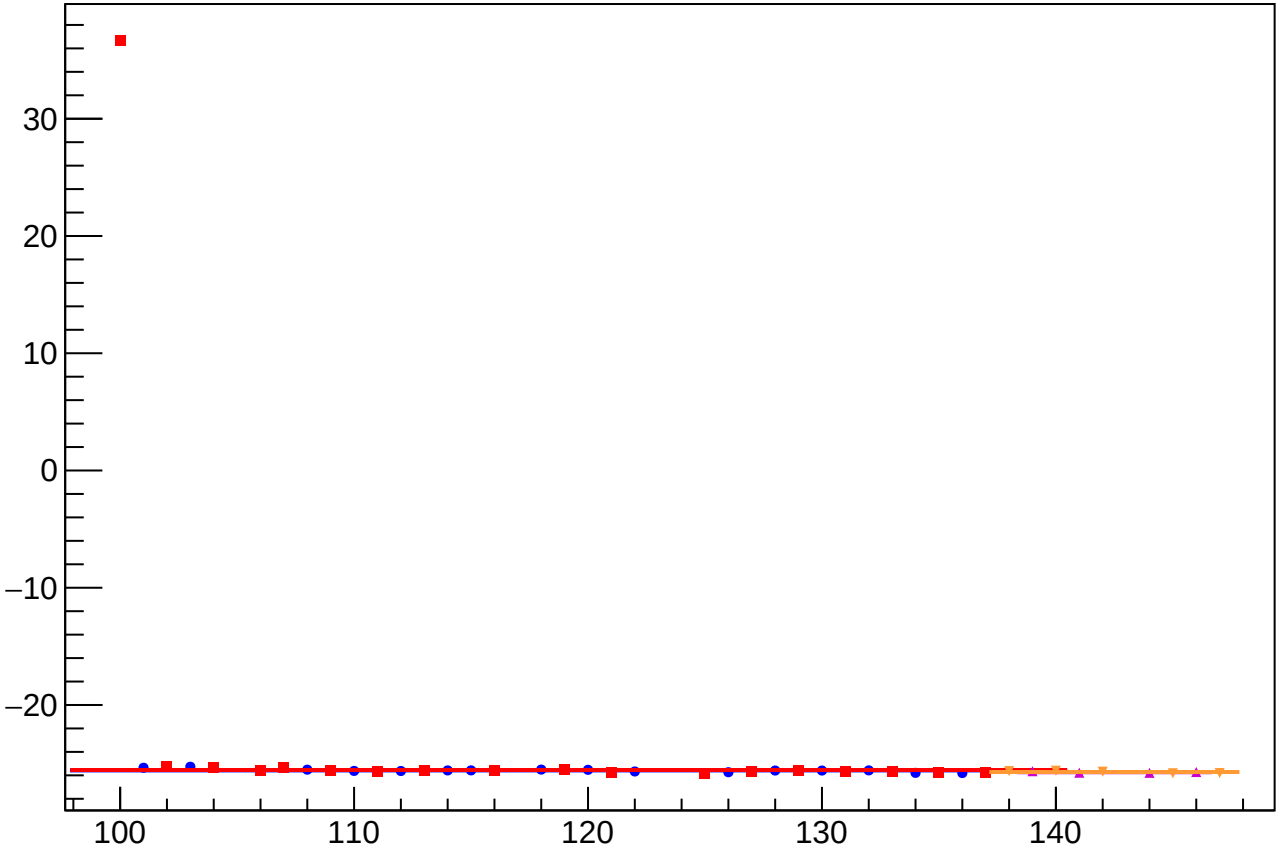
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.085+/-0.000 χ^2/NDF:871877.5/19

Out: 0.086+/-0.000 χ^2/NDF:766601.9/24

All: 0.085+/-0.000 χ^2/NDF: 1640383.1/44

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.717+/-0.000 χ^2/NDF:15609436.7/4

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.732+/-0.000 χ^2/NDF:5330596.4/3

Left: -25.725+/-0.000 χ^2/NDF: 21162758.6/8

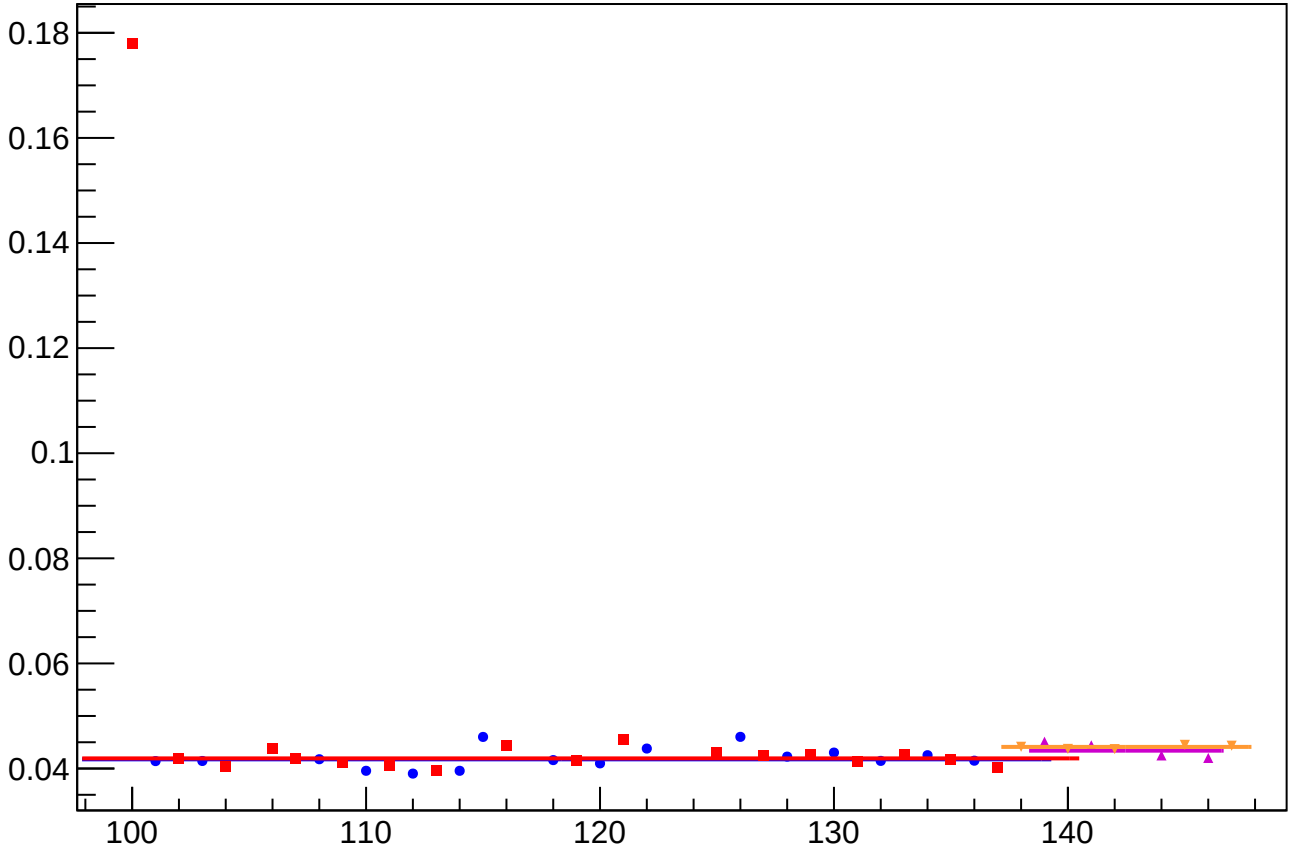
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.627+/-0.000 χ^2/NDF:133778906.2/19

Out: -25.598+/-0.000 χ^2/NDF:8961873662.8/22

All: -25.612+/-0.000 χ^2/NDF: 9098094598.6/

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:375.8/4

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.043+/-0.000 χ^2/NDF:6034.9/3

Left: 0.044+/-0.000 χ^2/NDF: 7362.1/8

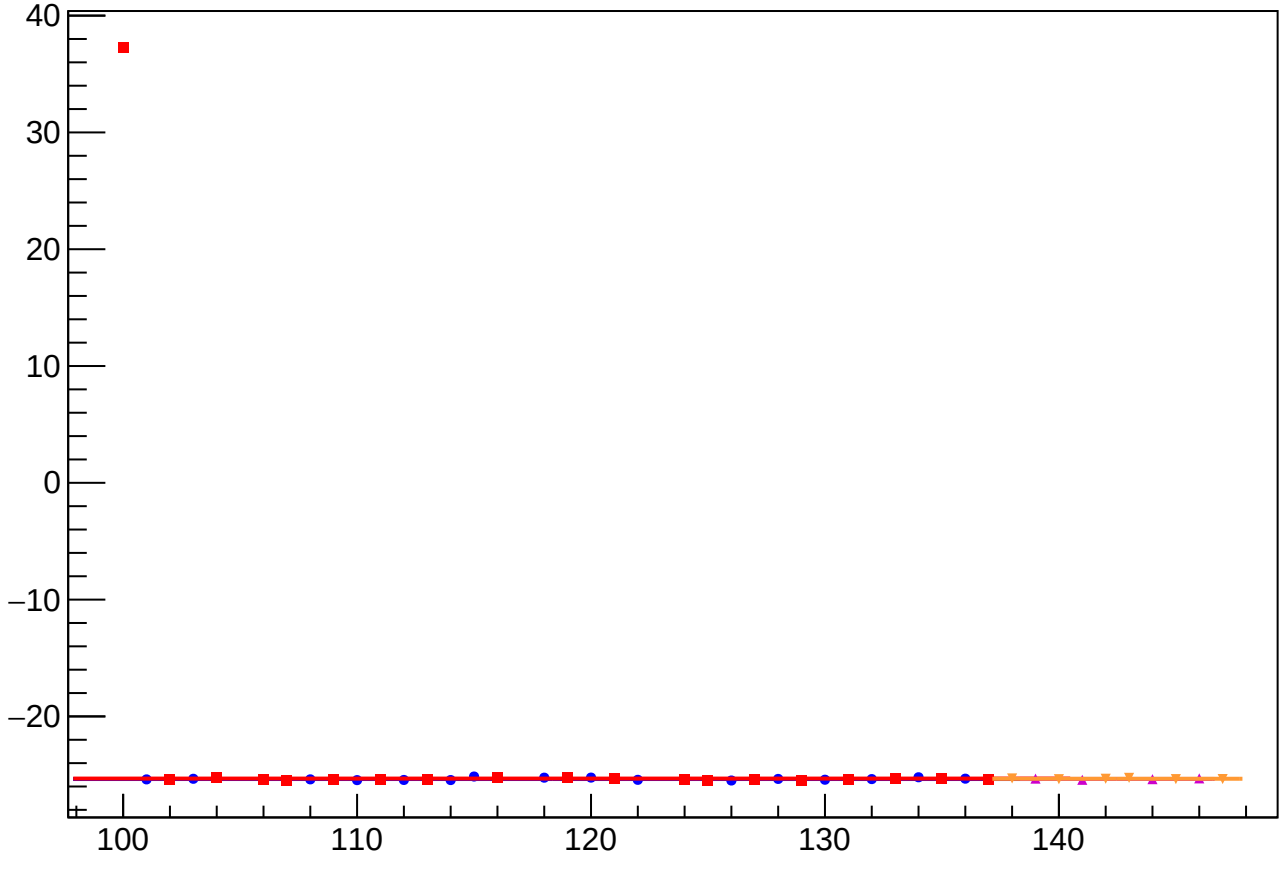
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:33736.4/19

Out: 0.043+/-0.000 χ^2/NDF:112856.3/22

All: 0.042+/-0.000 χ^2/NDF: 147334.6/42

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.337+/-0.000 χ^2/NDF:2298974.3/5

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.355+/-0.000 χ^2/NDF:2201347.4/3

Left: -25.345+/-0.000 χ^2/NDF: 4690685.9/9

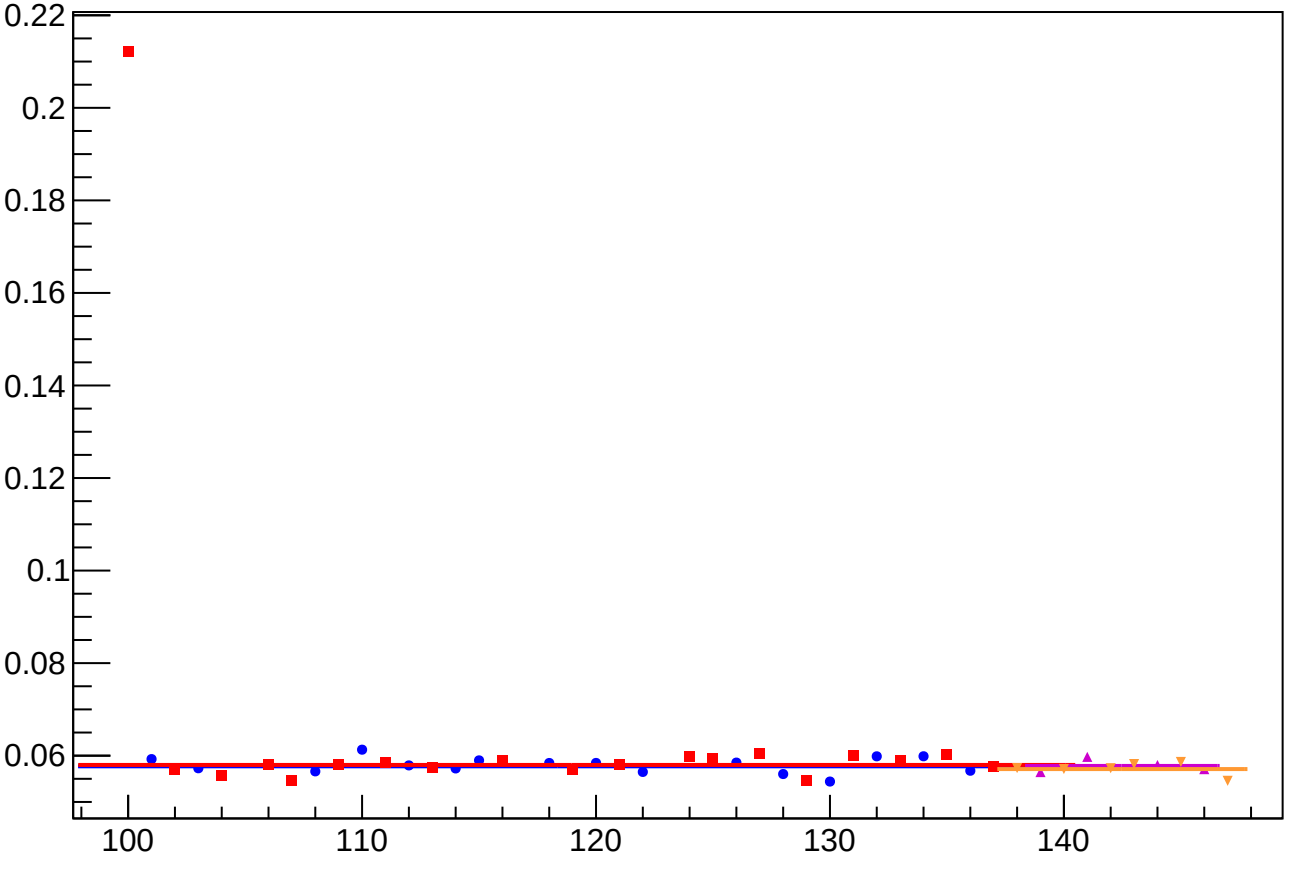
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.359+/-0.000 χ^2/NDF:15502799.9/19

Out: -25.328+/-0.000 χ^2/NDF:6317392510.8/24

All: -25.342+/-0.000 χ^2/NDF: 6334454139.9/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.057+/-0.000 χ^2/NDF:5073.4/5

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.058+/-0.000 χ^2/NDF:3013.3/3

Left: 0.057+/-0.000 χ^2/NDF: 8615.0/9

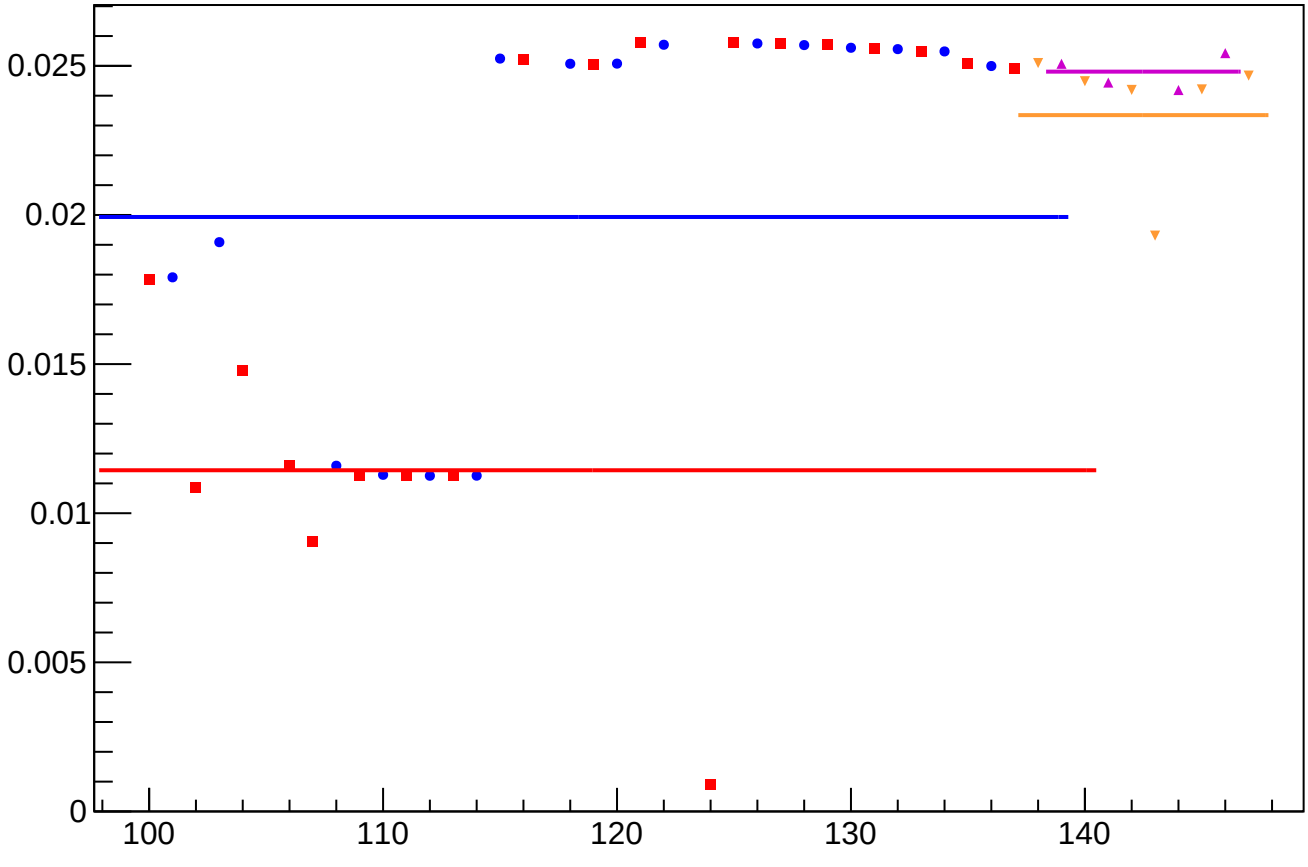
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:14785.7/19

Out: 0.058+/-0.000 χ^2/NDF:95065.8/24

All: 0.058+/-0.000 χ^2/NDF: 109868.4/44

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.023+/-0.000 χ^2/NDF:3880796164.3/5

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:140365775.5/3

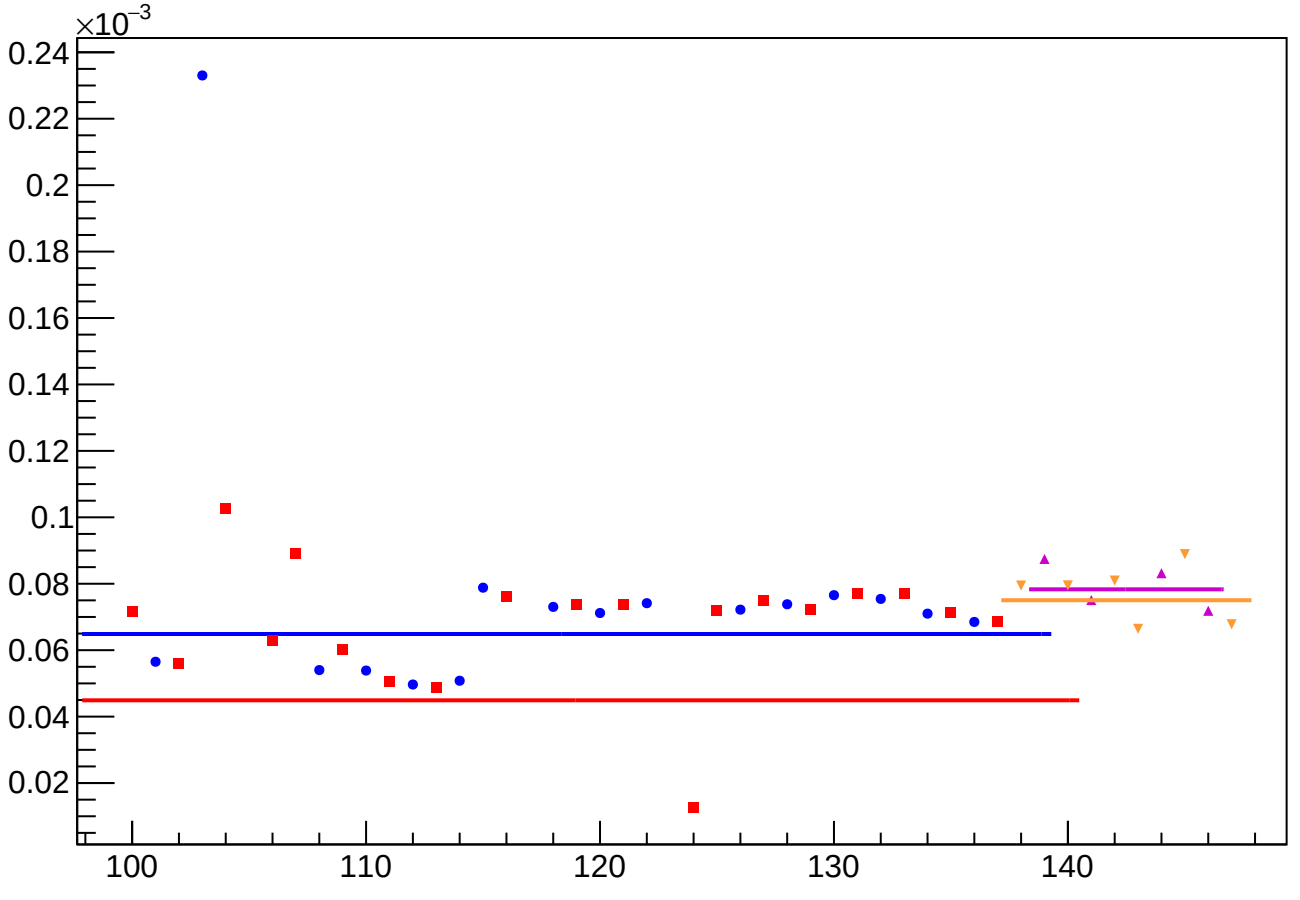
Left: 0.024+/-0.000 χ^2/NDF: 4700230249.5/9

Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

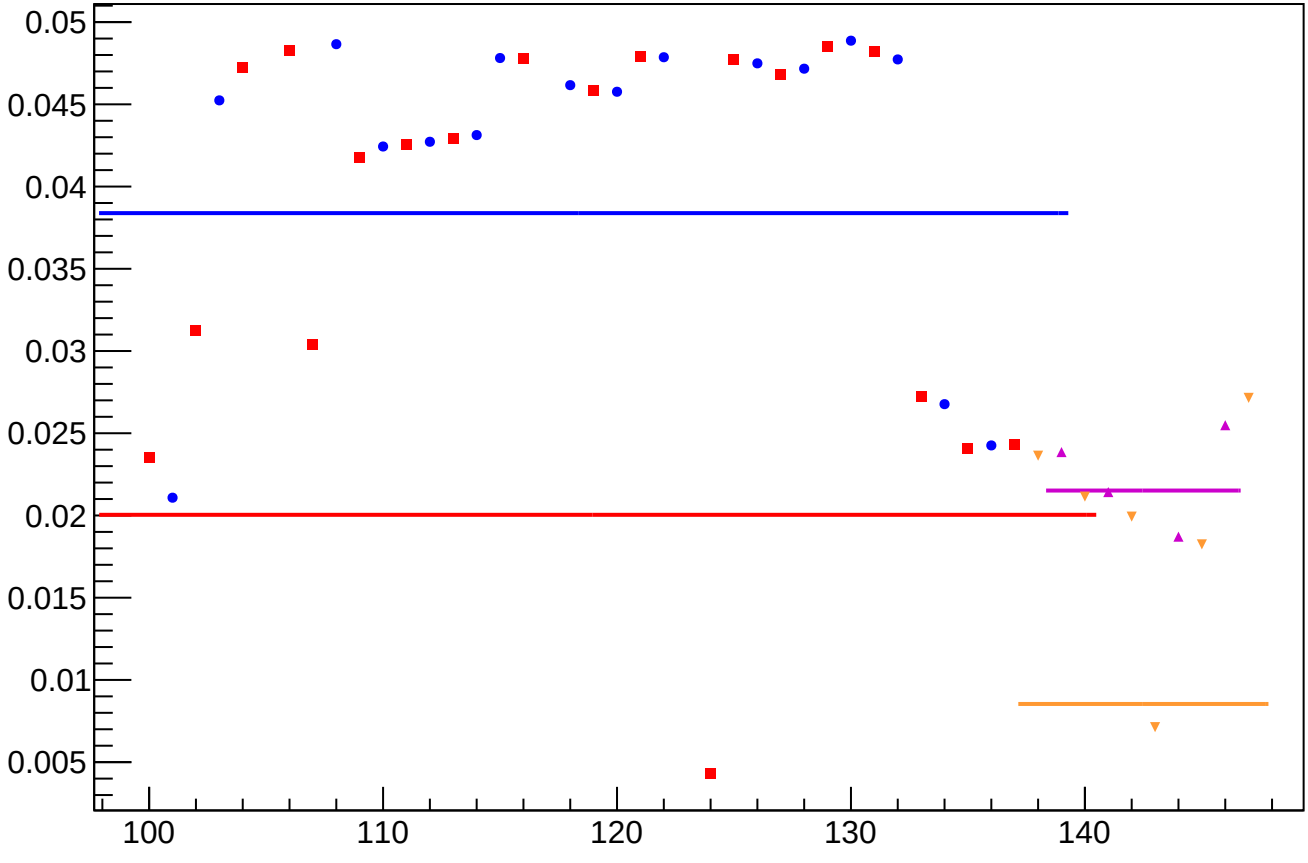
In: 0.021+/-0.000 χ^2/NDF:72260948907.9/19

Out: 0.014+/-0.000 χ^2/NDF:340711958295.3/24

All: 0.017+/-0.000 χ^2/NDF: 475899591797.0


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
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
Right In: 0.000+/-0.000 χ²/NDF: 816892.1/15
Left Out: 0.000+/-0.000 χ²/NDF:97214.7/5
Right Out: 0.000+/-0.000 χ²/NDF: 3770565.9/18
Left In: 0.000+/-0.000 χ²/NDF:40702.5/3
Left: 0.000+/-0.000 χ²/NDF: 144817.4/9
Right: 0.000+/-0.000 χ²/NDF: 5354969.6/34
In: 0.000+/-0.000 χ²/NDF:1004622.9/19
Out: 0.000+/-0.000 χ²/NDF:4929693.1/24
All: 0.000+/-0.000 χ²/NDF: 6632053.4/44

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:9486581108.6/5

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:294247091.5/3

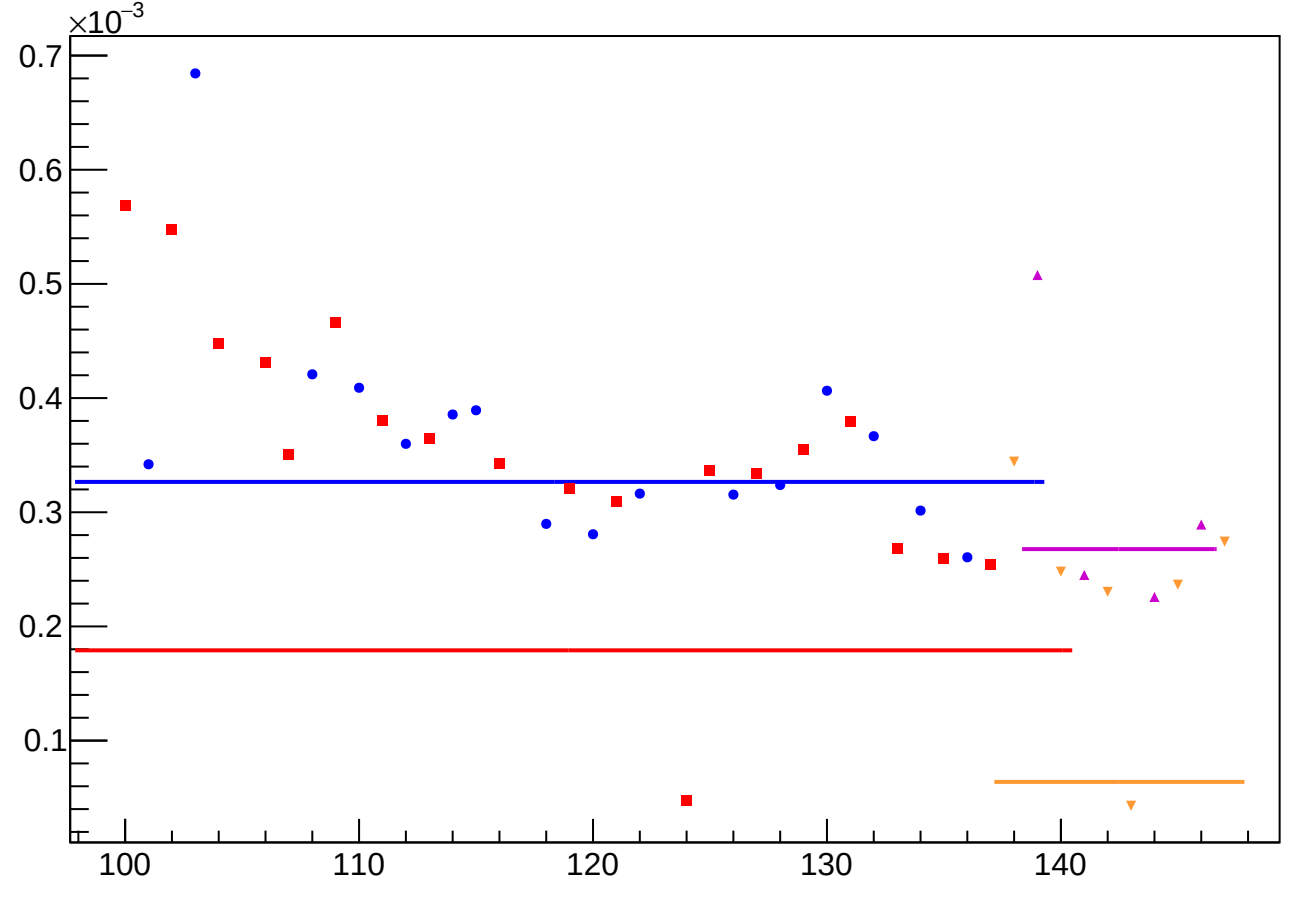
Left: 0.010+/-0.000 χ^2/NDF: 16197271262.6/9

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.031+/-0.000 χ^2/NDF:14302987309.3/19

Out: 0.011+/-0.000 χ^2/NDF:64554926811.2/24

All: 0.014+/-0.000 χ^2/NDF: 115383078776.5



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4064267.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:435481.2/3

Left: 0.000+/-0.000 χ^2/NDF: 7668215.5/9

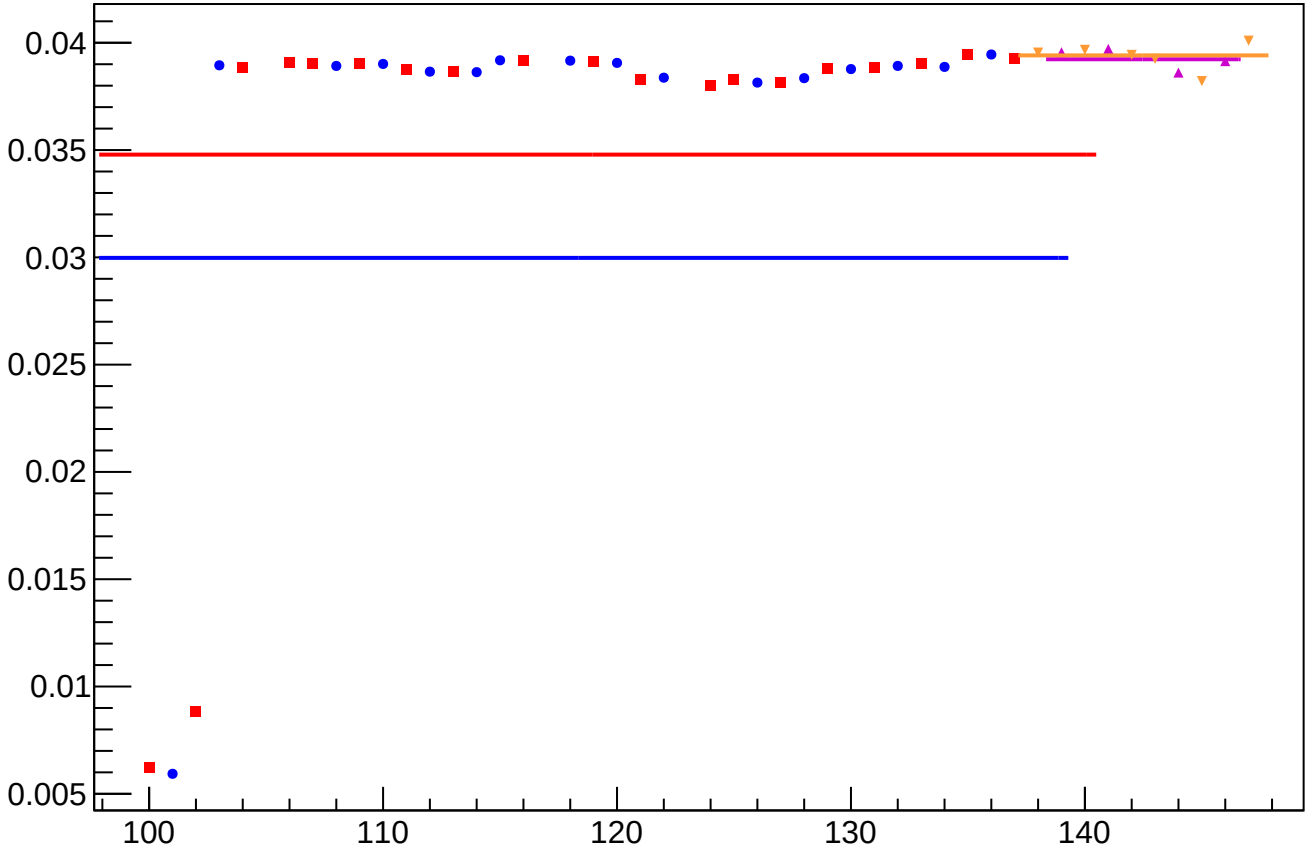
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1185634.0/19

Out: 0.000+/-0.000 χ^2/NDF:12311932.7/24

All: 0.000+/-0.000 χ^2/NDF: 21488074.5/44

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:75220189.7/5

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:29468505.6/3

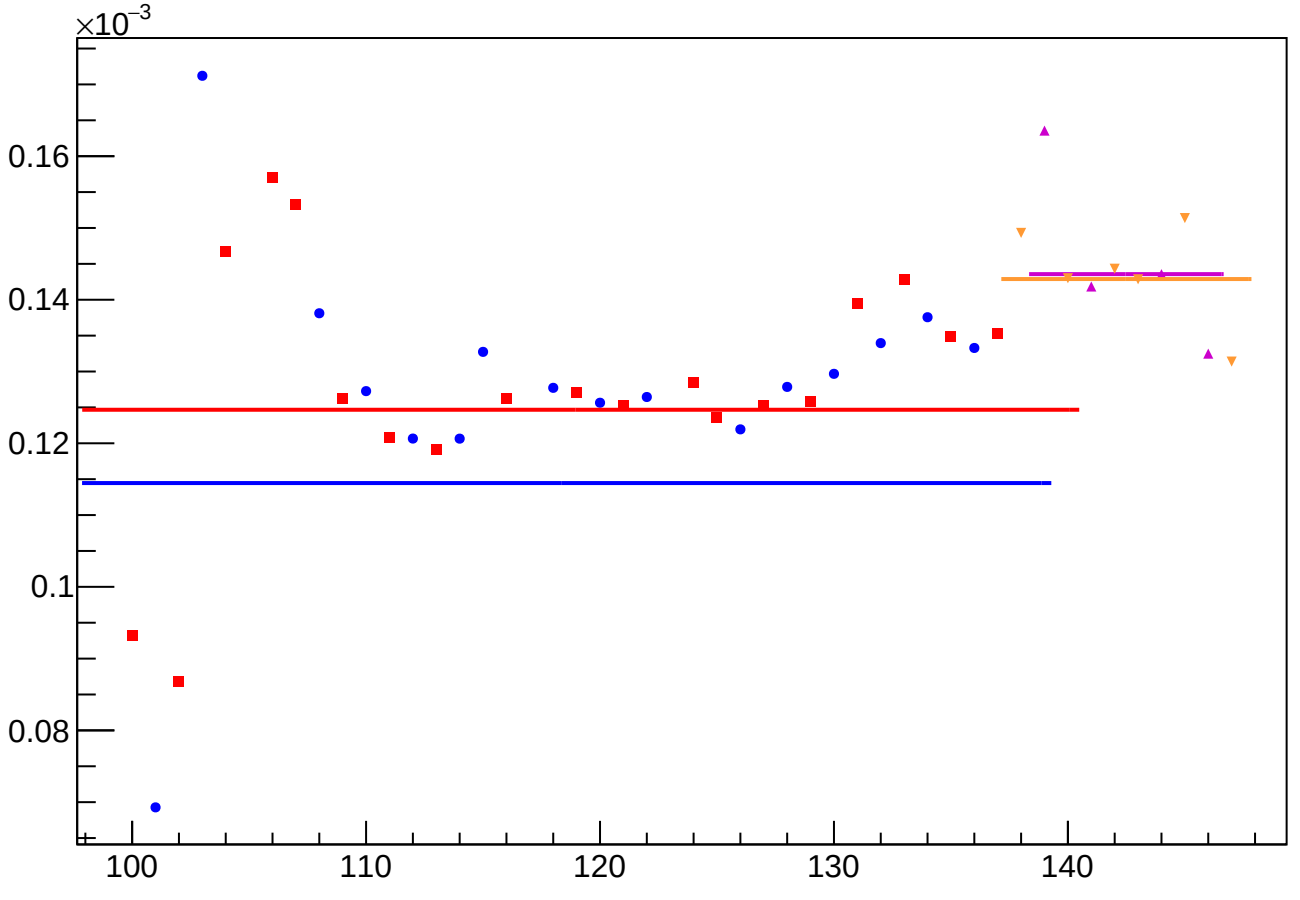
Left: 0.039+/-0.000 χ^2/NDF: 107709442.1/9

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.032+/-0.000 χ^2/NDF:118905438060.2/19

Out: 0.036+/-0.000 χ^2/NDF:50401774561.3/24

All: 0.034+/-0.000 χ^2/NDF: 174726310822.2



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20234.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:36996.5/3

Left: 0.000+/-0.000 χ^2/NDF: 57317.8/9

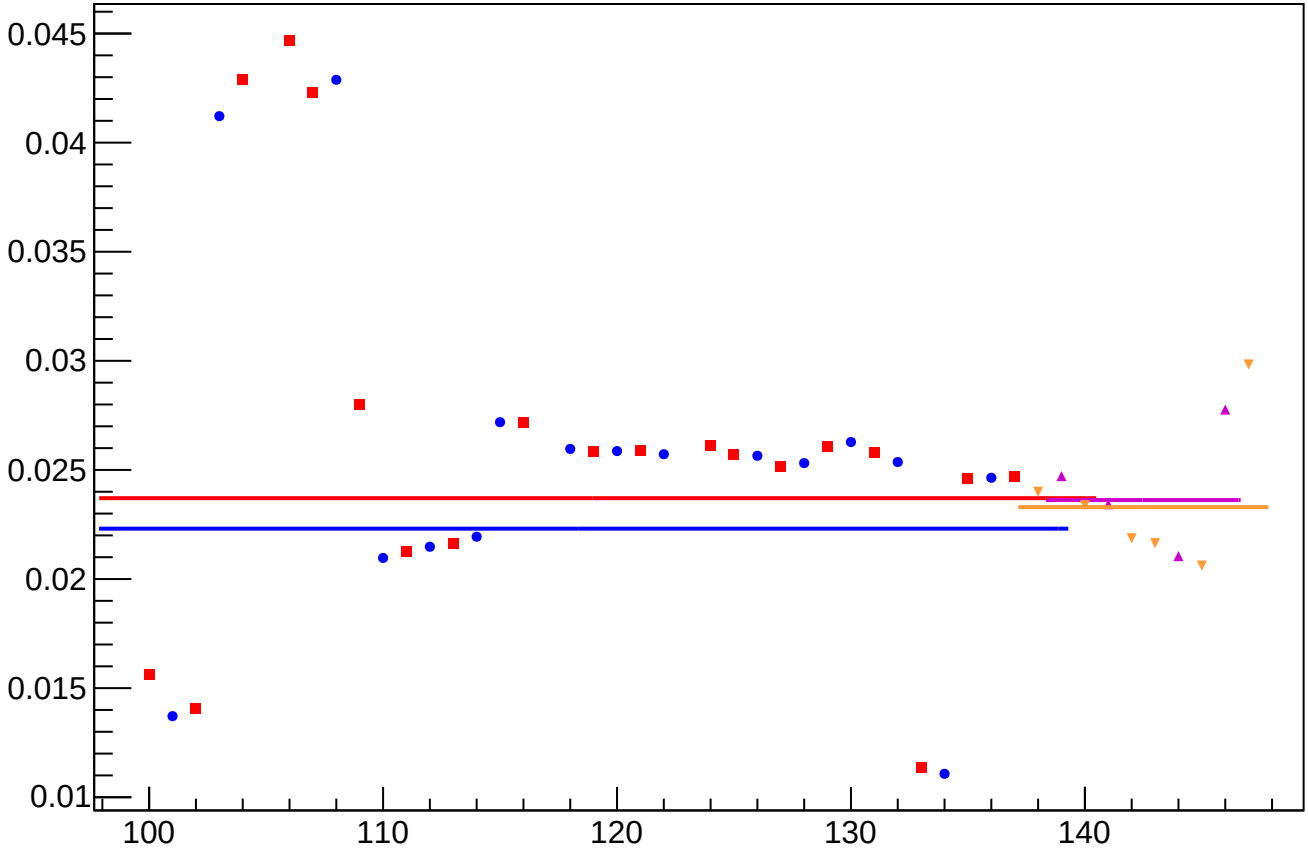
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1099844.0/19

Out: 0.000+/-0.000 χ^2/NDF:375637.1/24

All: 0.000+/-0.000 χ^2/NDF: 1528806.8/44

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.023+/-0.000 χ^2/NDF:581271589.9/5

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.024+/-0.000 χ^2/NDF:292435929.5/3

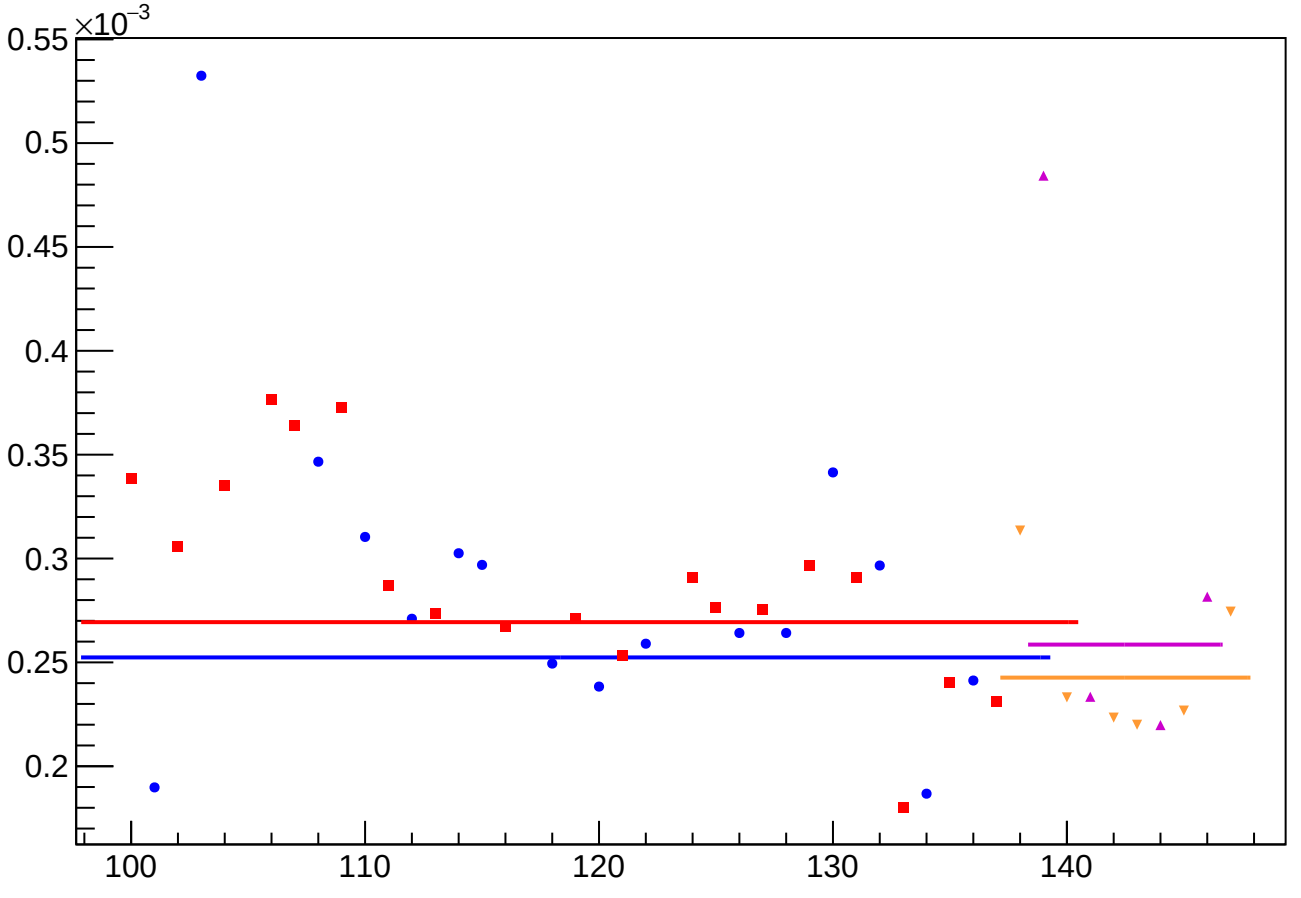
Left: 0.023+/-0.000 χ^2/NDF: 876505453.0/9

Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.023+/-0.000 χ^2/NDF:5357959092.1/19

Out: 0.024+/-0.000 χ^2/NDF:6169486077.9/24

All: 0.023+/-0.000 χ^2/NDF: 11576443140.6/4



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:118954.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:432545.3/3

Left: 0.000+/-0.000 χ^2/NDF: 564919.1/9

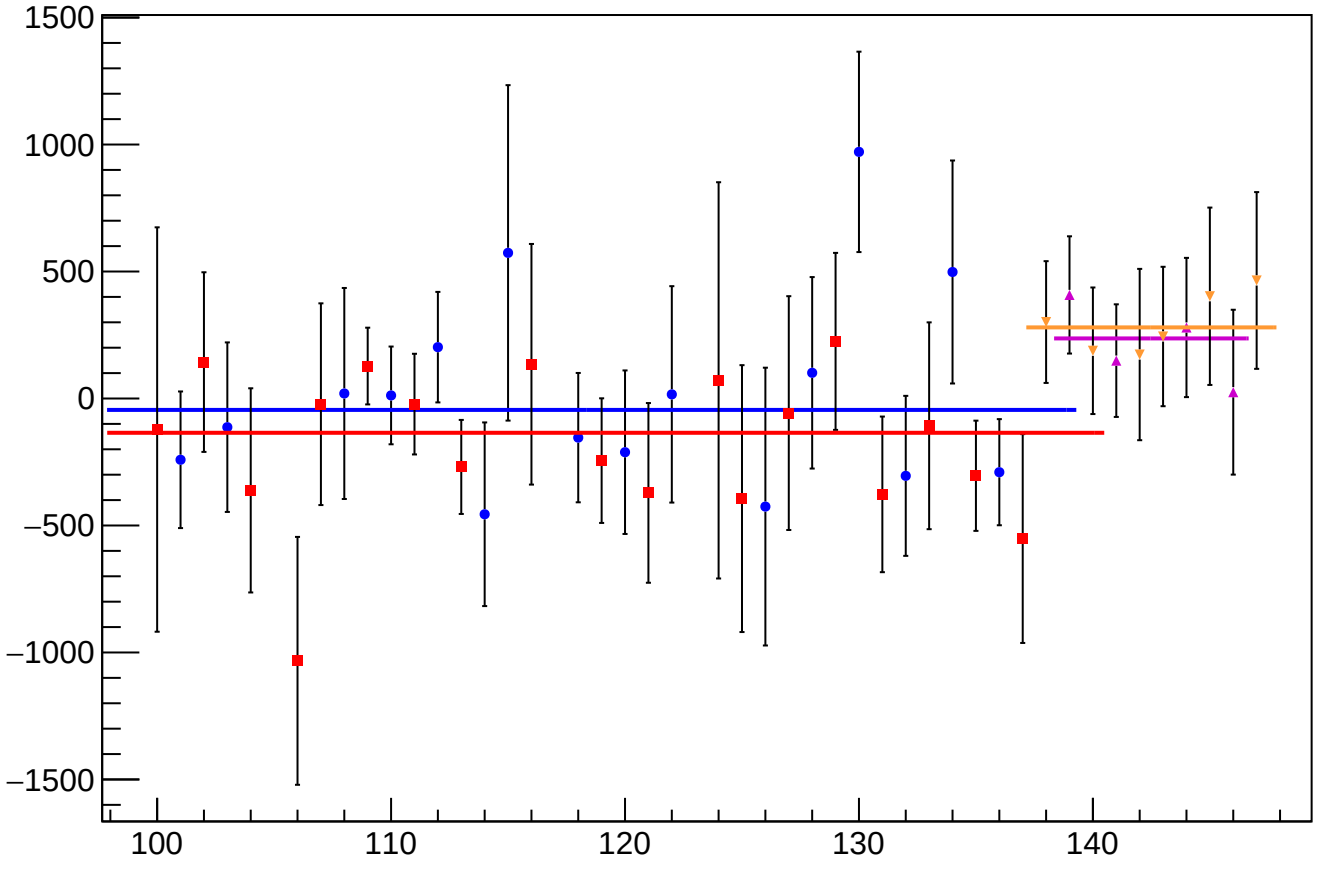
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1142763.3/19

Out: 0.000+/-0.000 χ^2/NDF:618838.2/24

All: 0.000+/-0.000 χ^2/NDF: 1763753.2/44

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: 279.976+/-117.826 χ^2/NDF:0.7/5

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 236.541+/-127.093 χ^2/NDF:1.2/3

Left: 259.900+/-86.406 χ^2/NDF: 1.9/9

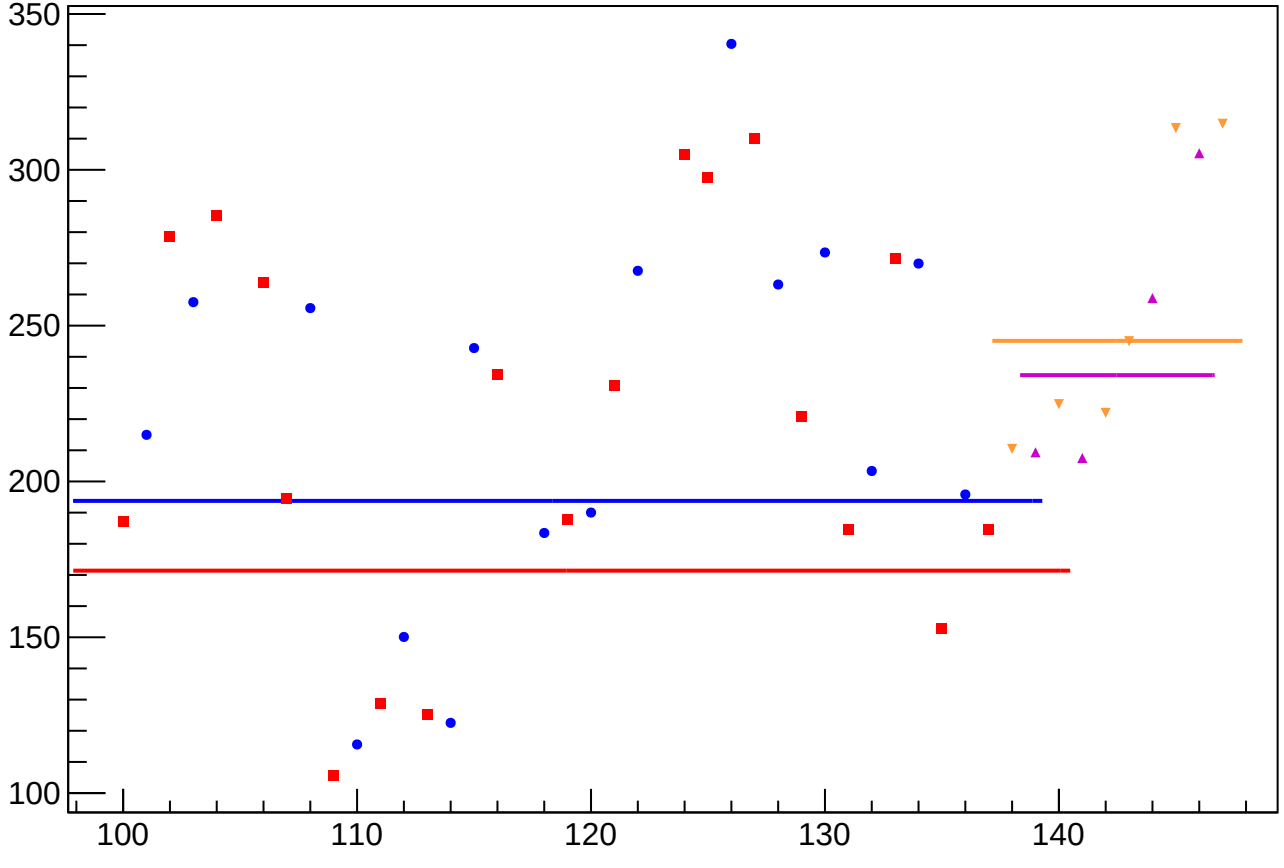
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 29.504+/-65.352 χ^2/NDF:20.2/19

Out: -31.173+/-58.936 χ^2/NDF:22.9/24

All: -3.958+/-43.767 χ^2/NDF: 43.6/44

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: 245.118+/-0.083 χ^2/NDF:221117.8/5

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 234.115+/-0.090 χ^2/NDF:164303.9/3

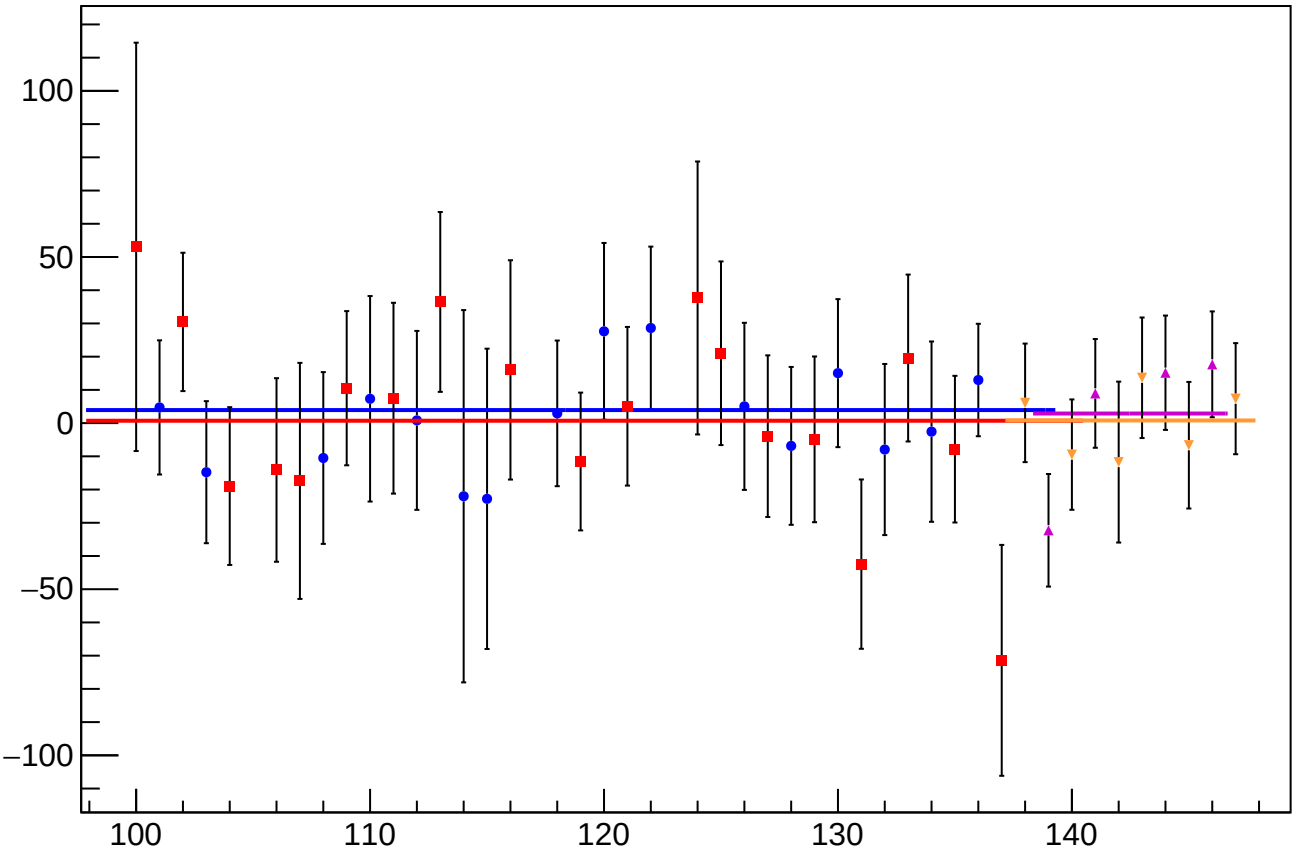
Left: 240.032+/-0.061 χ^2/NDF: 393482.4/9

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 204.436+/-0.046 χ^2/NDF:1360670.1/19

Out: 189.830+/-0.042 χ^2/NDF:2466489.0/24

All: 196.381+/-0.031 χ^2/NDF: 3882253.7/44



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.796+/-7.487 χ^2/NDF:1.5/5

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: 2.884+/-8.295 χ^2/NDF:5.8/3

Left: 1.733+/-5.558 χ^2/NDF: 7.4/9

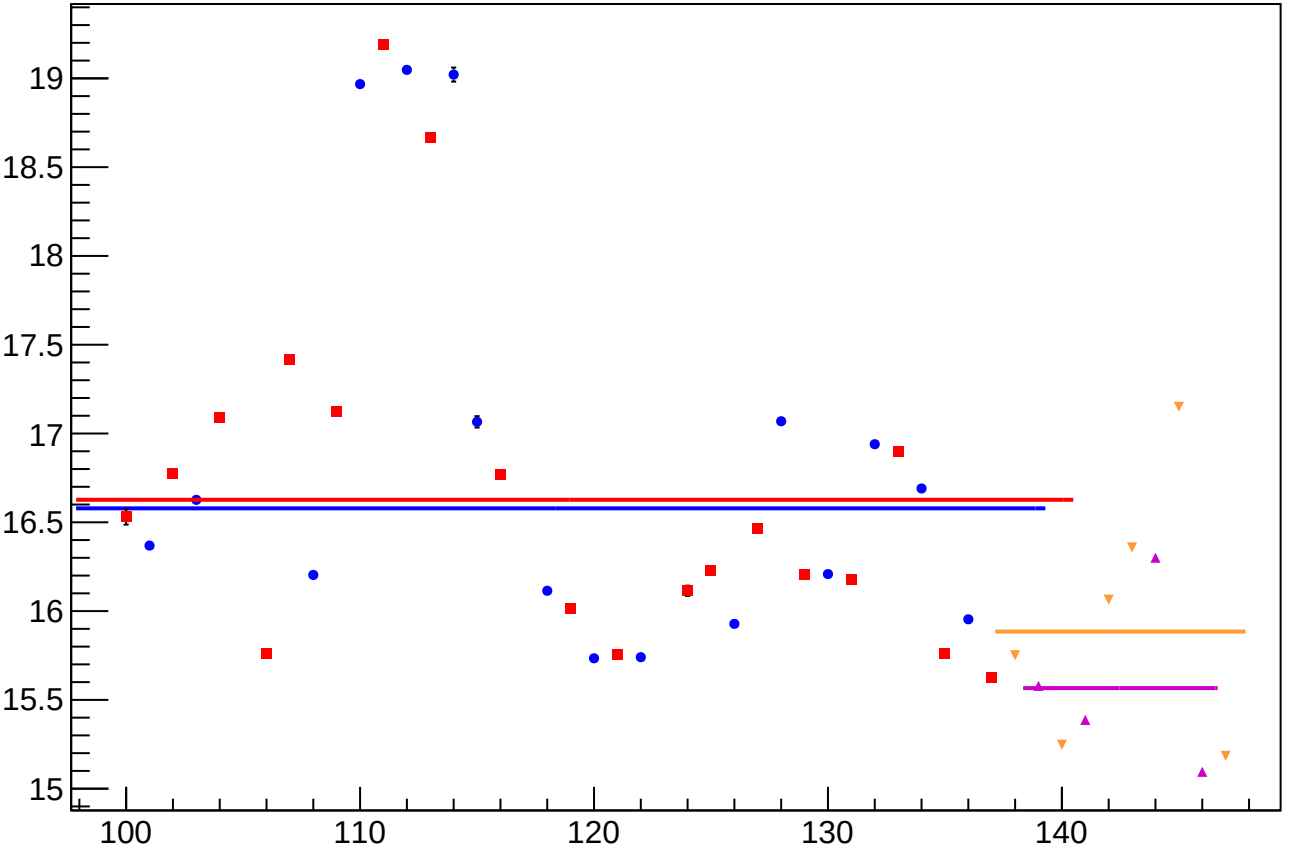
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 3.553+/-4.952 χ^2/NDF:10.3/19

Out: 0.746+/-4.718 χ^2/NDF:17.5/24

All: 2.082+/-3.416 χ^2/NDF: 27.9/44

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: 15.885+/-0.005 χ^2/NDF:16862.6/5

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.566+/-0.006 χ^2/NDF:5634.4/3

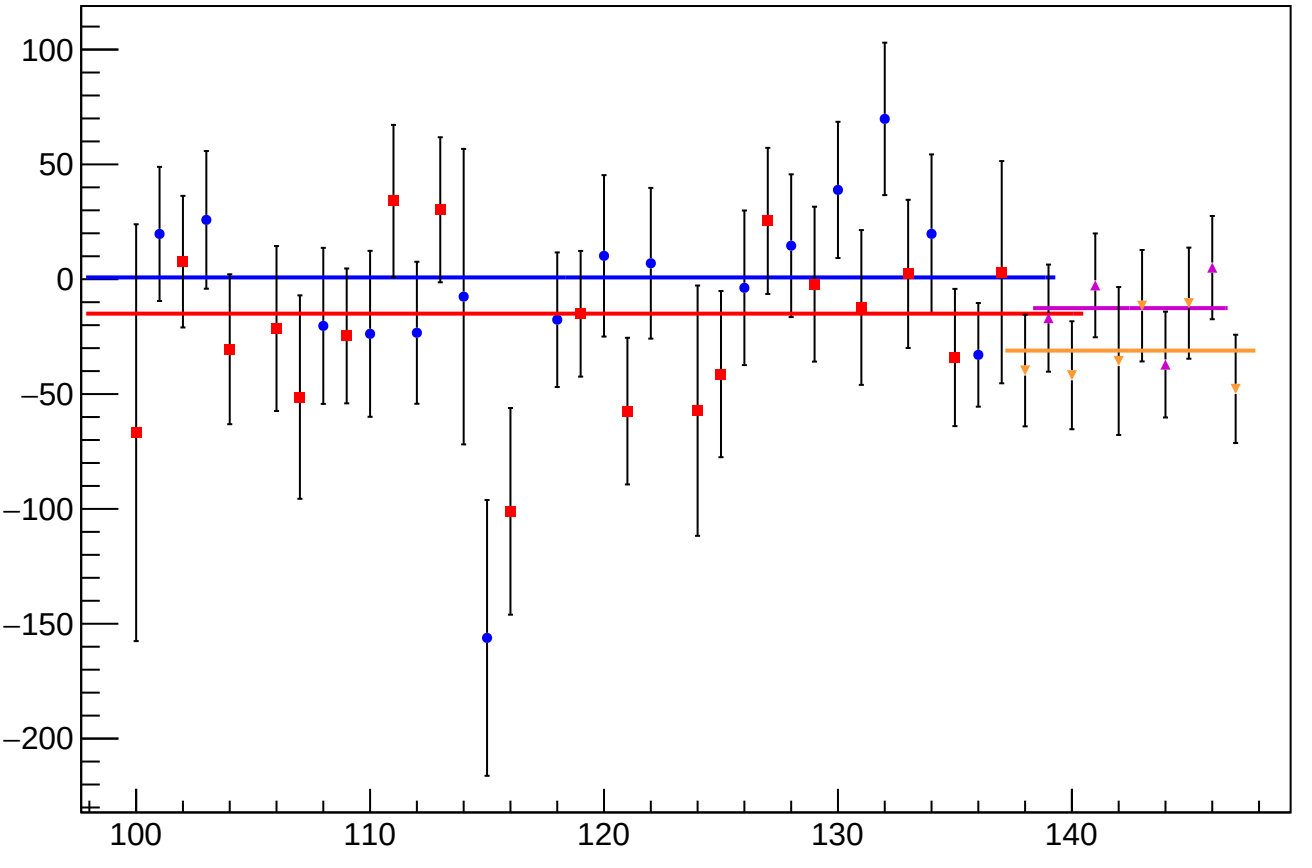
Left: 15.742+/-0.004 χ^2/NDF: 24121.1/9

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.218+/-0.004 χ^2/NDF:69380.0/19

Out: 16.332+/-0.003 χ^2/NDF:72170.9/24

All: 16.278+/-0.002 χ^2/NDF: 142108.7/44



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -31.068+/-10.167 χ^2/NDF:2.2/5

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -12.576+/-11.426 χ^2/NDF:2.0/3

Left: -22.897+/-7.595 χ^2/NDF: 5.7/9

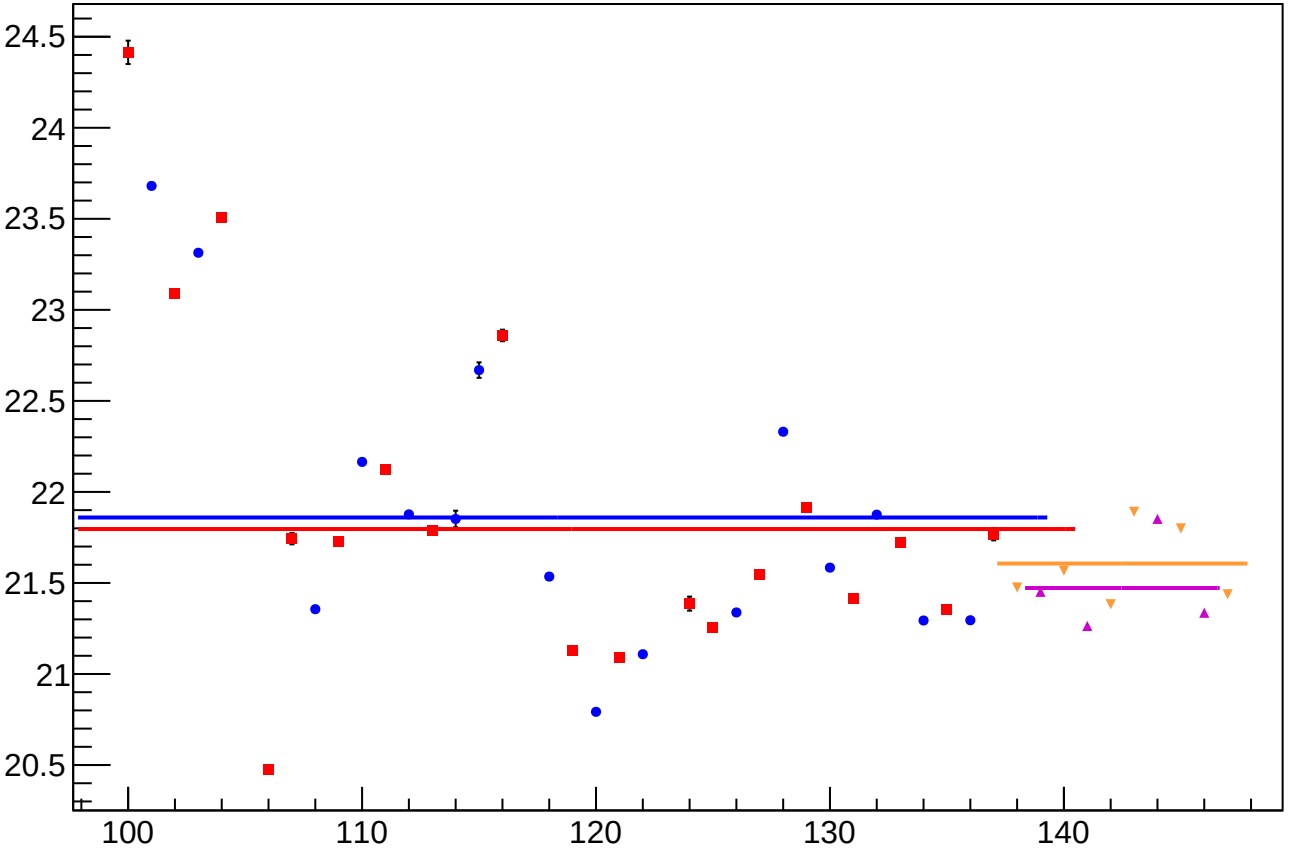
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.699+/-6.621 χ^2/NDF:21.5/19

Out: -21.088+/-6.264 χ^2/NDF:19.2/24

All: -12.875+/-4.551 χ^2/NDF: 44.4/44

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: 21.607+/-0.007 χ^2/NDF:664.9/5

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.472+/-0.008 χ^2/NDF:788.4/3

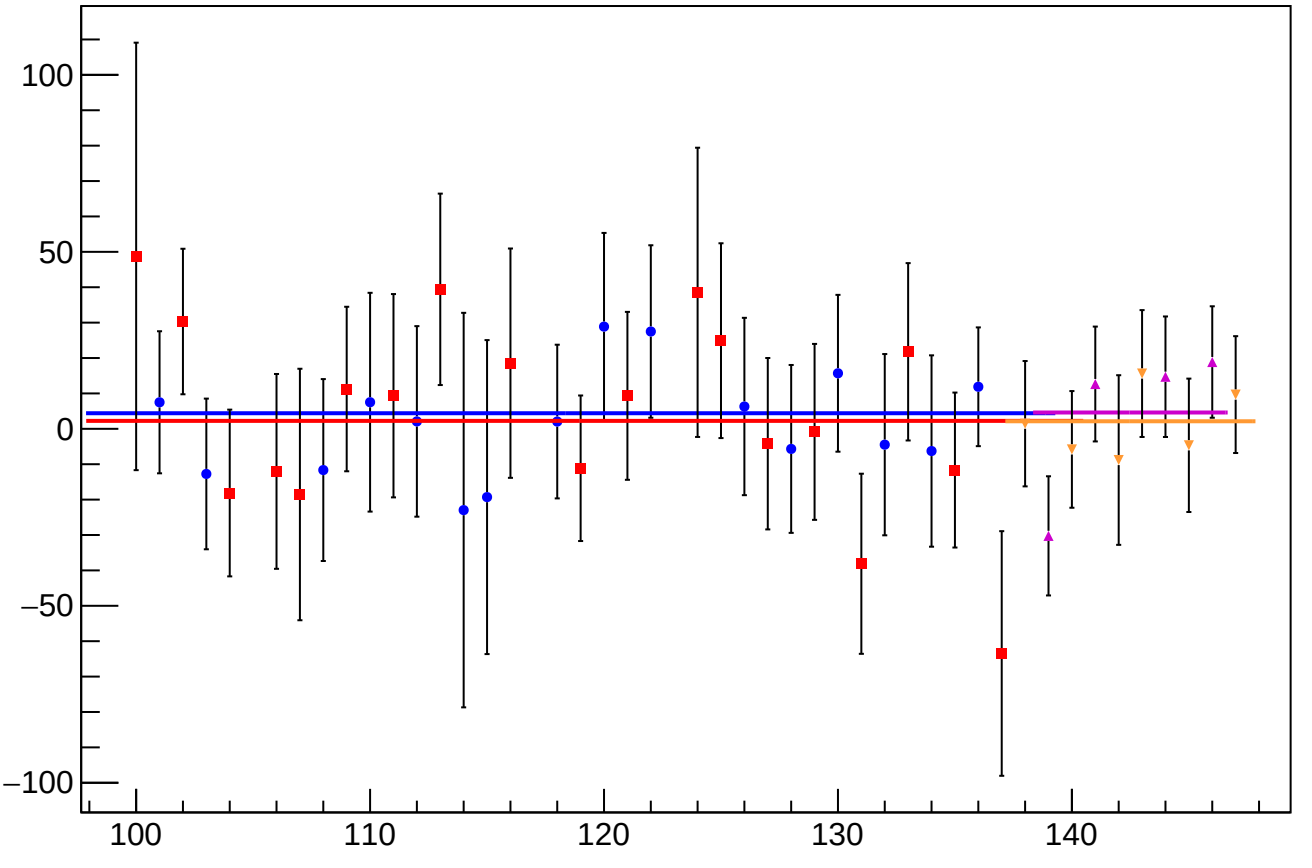
Left: 21.547+/-0.005 χ^2/NDF: 1607.8/9

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.729+/-0.005 χ^2/NDF:21782.9/19

Out: 21.724+/-0.004 χ^2/NDF:19957.4/24

All: 21.727+/-0.003 χ^2/NDF: 41741.0/44



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 2.133+/-7.410 χ^2/NDF:1.3/5

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 4.611+/-8.217 χ^2/NDF:5.7/3

Left: 3.244+/-5.503 χ^2/NDF: 7.1/9

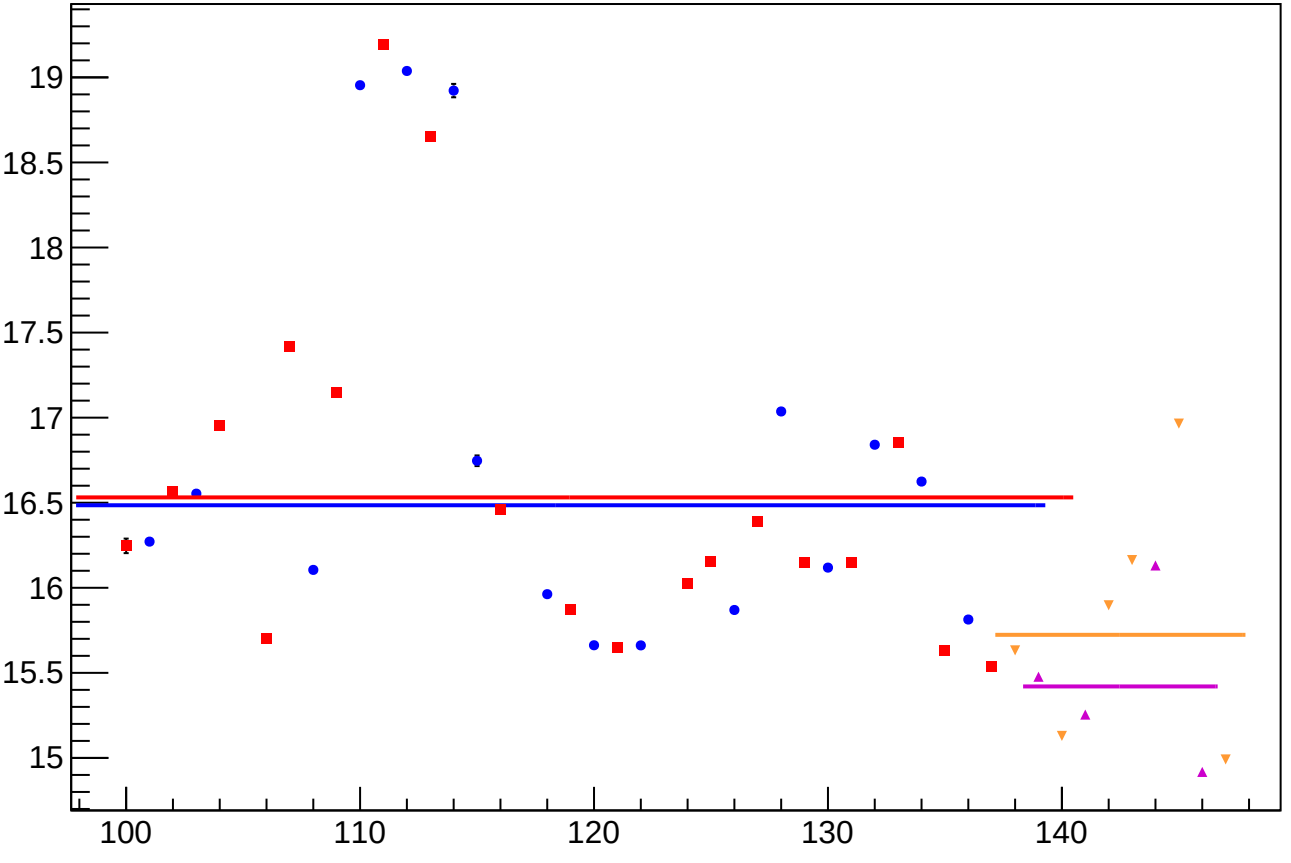
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 4.478+/-4.917 χ^2/NDF:10.0/19

Out: 2.199+/-4.683 χ^2/NDF:16.7/24

All: 3.283+/-3.391 χ^2/NDF: 26.8/44

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: 15.724+/-0.005 χ^2/NDF:16579.3/5

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.420+/-0.006 χ^2/NDF:5754.0/3

Left: 15.587+/-0.004 χ^2/NDF: 23836.7/9

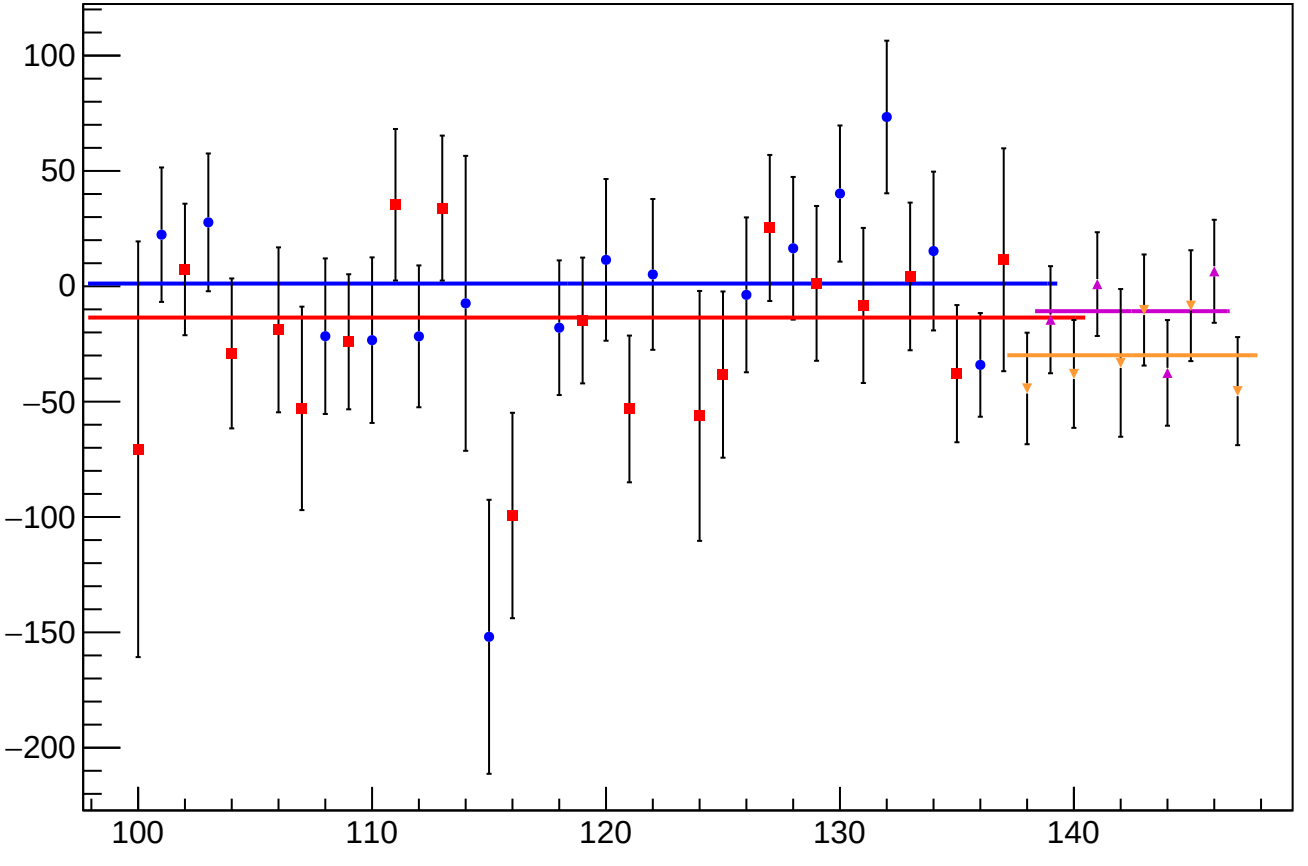
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 16.104+/-0.003 χ^2/NDF:74503.3/19

Out: 16.209+/-0.003 χ^2/NDF:77327.3/24

All: 16.159+/-0.002 χ^2/NDF: 152308.1/44

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: -29.889+/-10.102 χ^2/NDF:2.4/5

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -10.787+/-11.362 χ^2/NDF:2.3/3

Left: -21.454+/-7.550 χ^2/NDF: 6.2/9

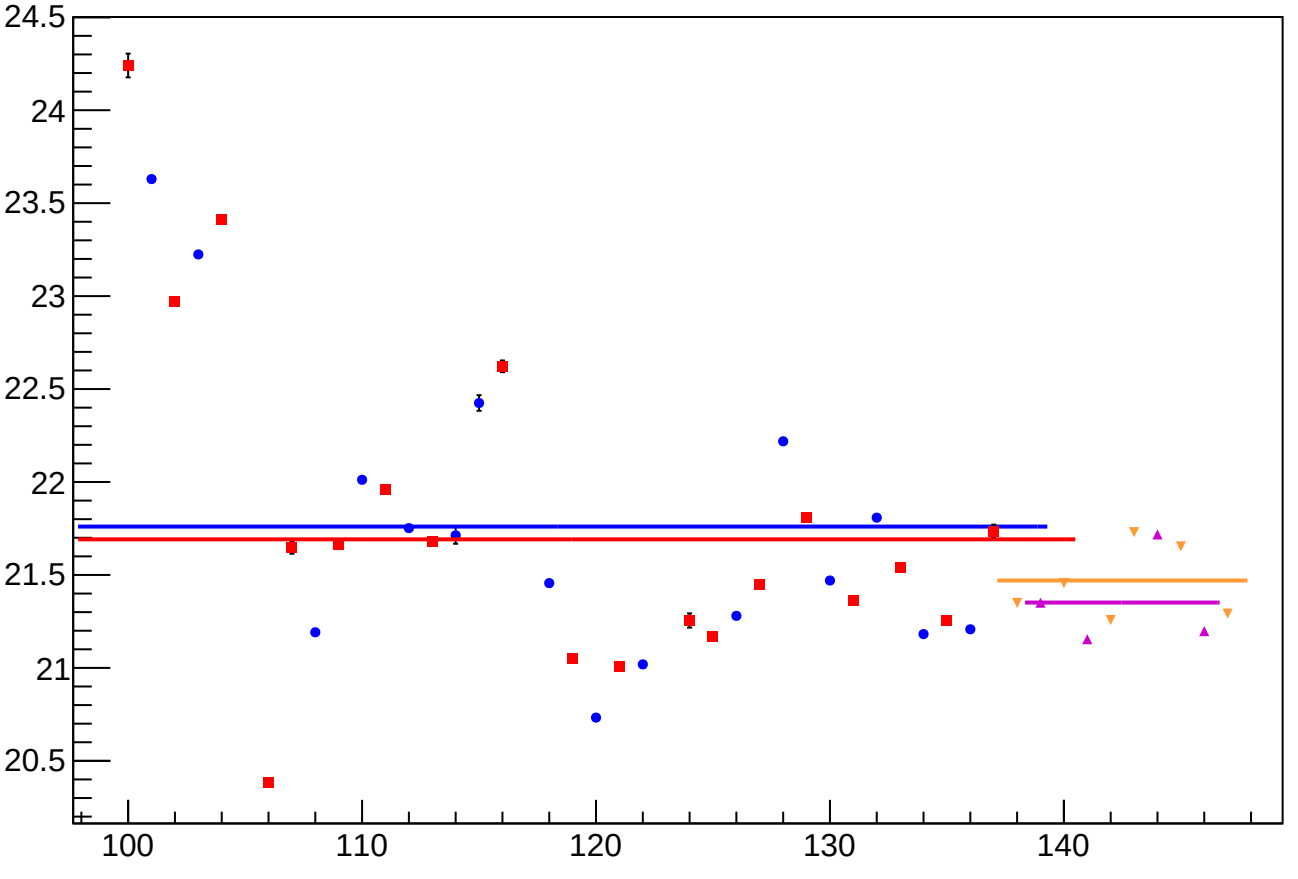
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -2.842+/-6.589 χ^2/NDF:22.4/19

Out: -19.764+/-6.231 χ^2/NDF:19.9/24

All: -11.775+/-4.527 χ^2/NDF: 45.8/44

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: 21.470+/-0.007 χ^2/NDF:604.3/5

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.351+/-0.008 χ^2/NDF:761.0/3

Left: 21.418+/-0.005 χ^2/NDF: 1487.4/9

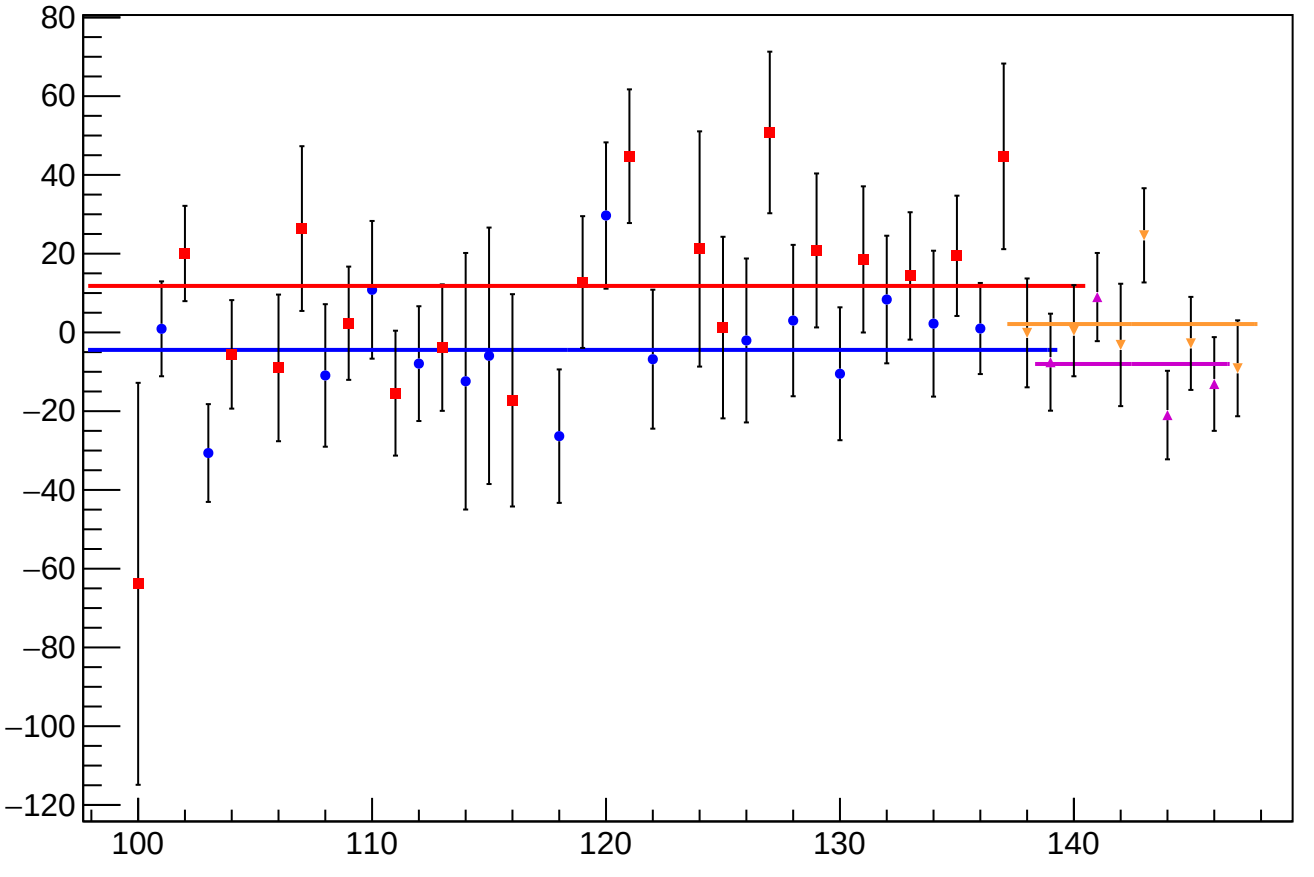
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.623+/-0.005 χ^2/NDF:22224.9/19

Out: 21.607+/-0.004 χ^2/NDF:19529.5/24

All: 21.615+/-0.003 χ^2/NDF: 41760.1/44

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.127+/-5.148 χ^2/NDF:4.7/5

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -8.015+/-5.819 χ^2/NDF:3.8/3

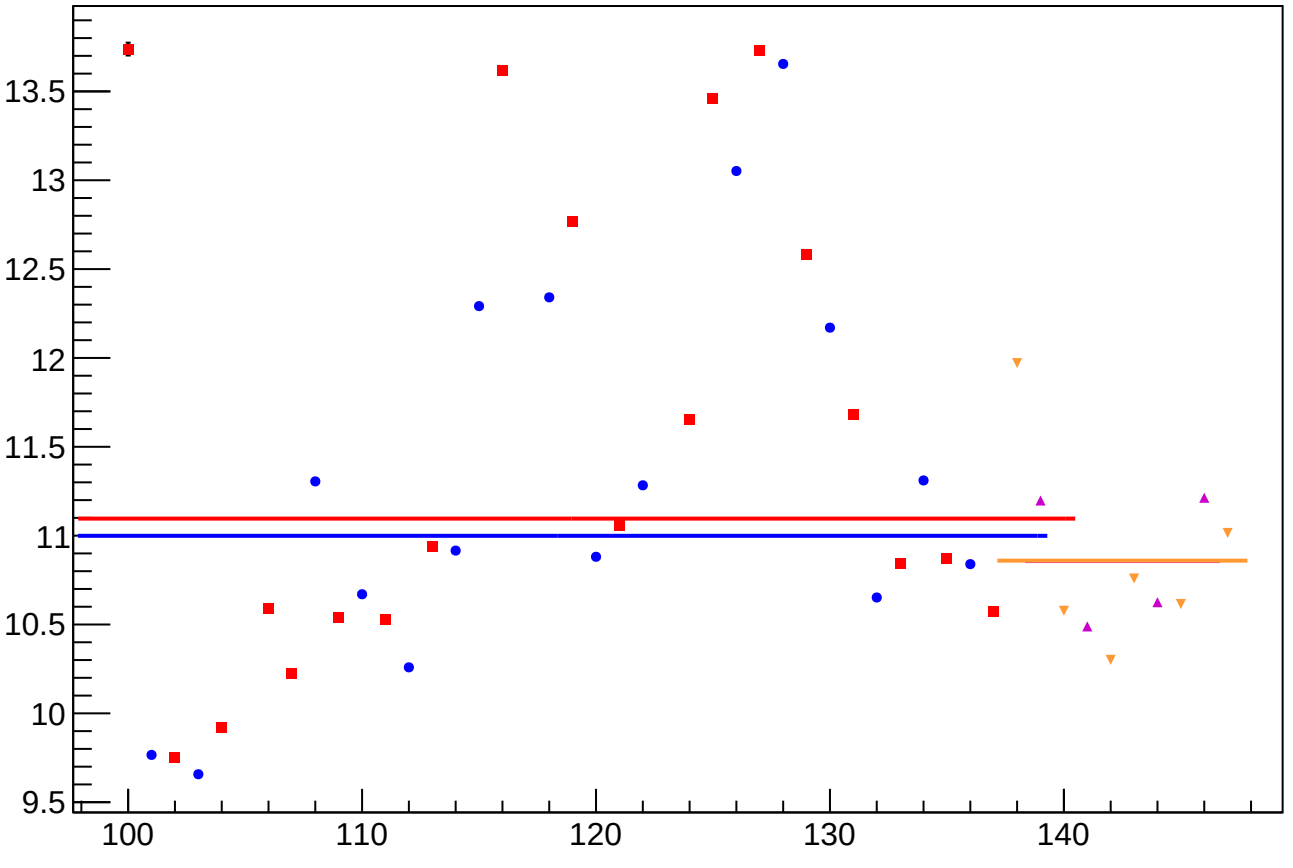
Left: -2.326+/-3.856 χ^2/NDF: 10.3/9

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -5.638+/-3.368 χ^2/NDF:16.1/19

Out: 8.053+/-3.206 χ^2/NDF:28.6/24

All: 1.545+/-2.322 χ^2/NDF: 53.4/44



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.859+/-0.004 χ^2/NDF:18027.8/5

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.857+/-0.004 χ^2/NDF:6326.7/3

Left: 10.858+/-0.003 χ^2/NDF: 24354.7/9

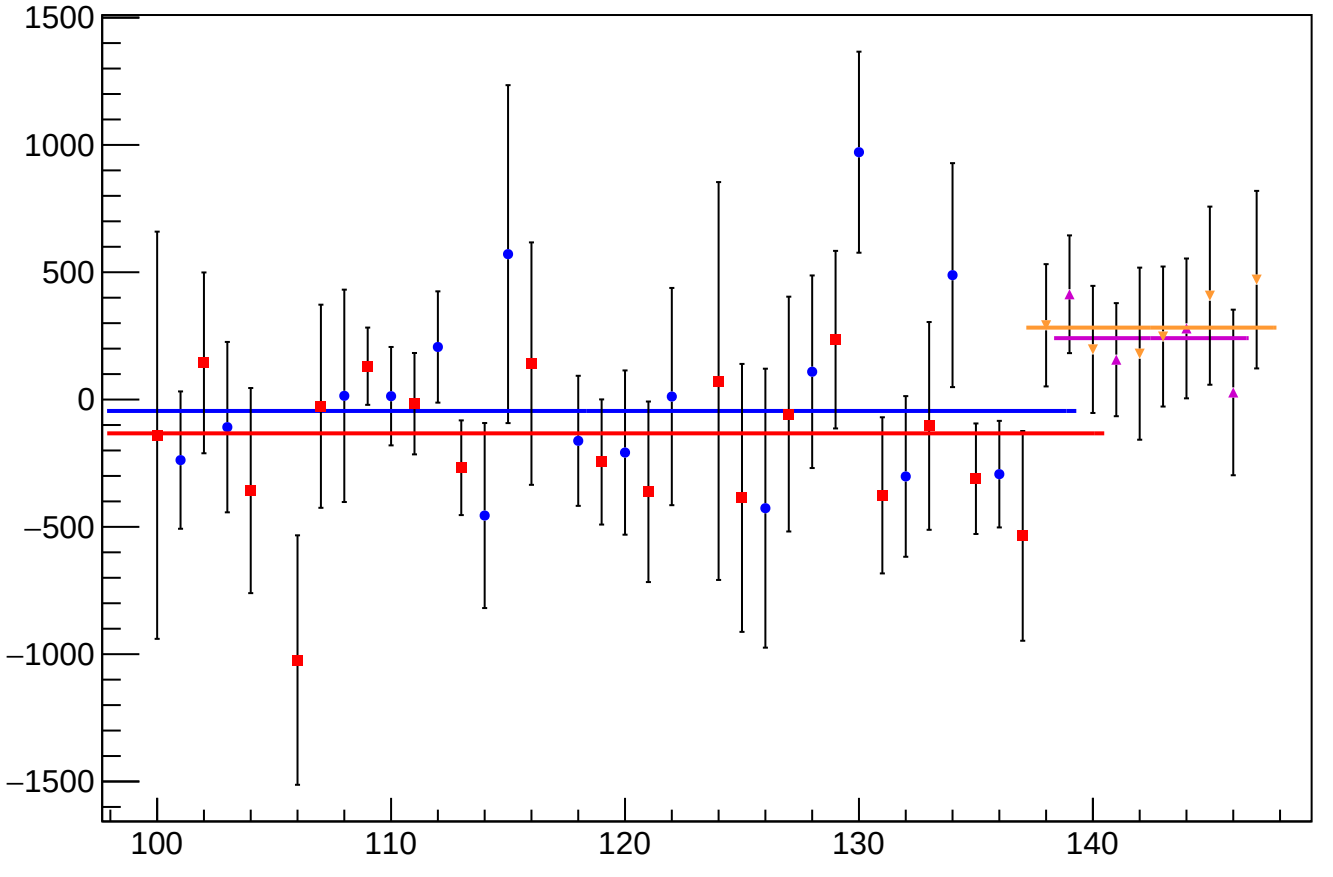
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 10.951+/-0.002 χ^2/NDF:143278.5/19

Out: 11.004+/-0.002 χ^2/NDF:183524.2/24

All: 10.979+/-0.002 χ^2/NDF: 327060.0/44

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 282.515+/-118.033 χ^2/NDF:0.6/5

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 241.147+/-127.305 χ^2/NDF:1.2/3

Left: 263.392+/-86.554 χ^2/NDF: 1.9/9

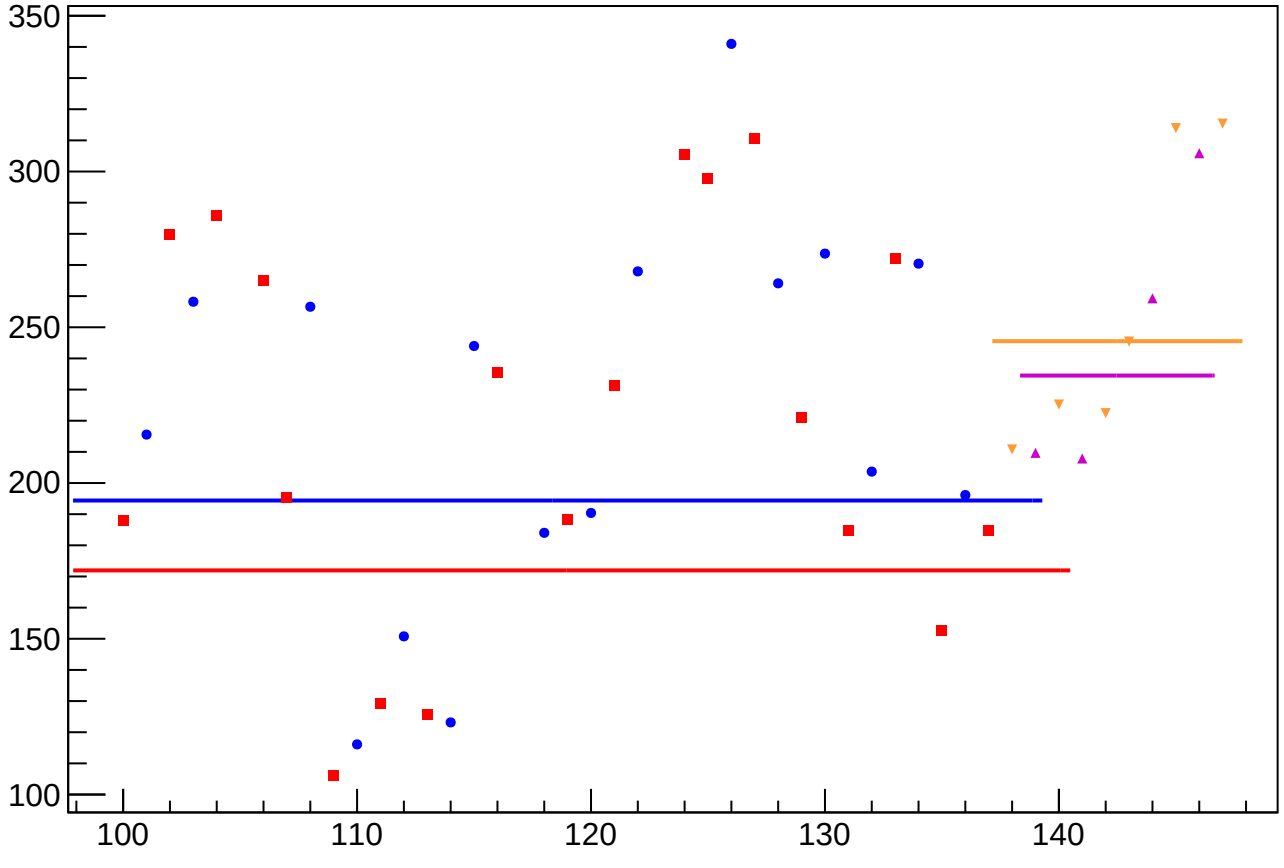
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 30.953+/-65.523 χ^2/NDF:20.3/19

Out: -28.637+/-59.096 χ^2/NDF:22.8/24

All: -1.907+/-43.884 χ^2/NDF: 43.5/44

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: 245.545+/-0.083 χ^2/NDF:221267.1/5

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 234.502+/-0.090 χ^2/NDF:164464.3/3

Left: 240.440+/-0.061 χ^2/NDF: 393823.8/9

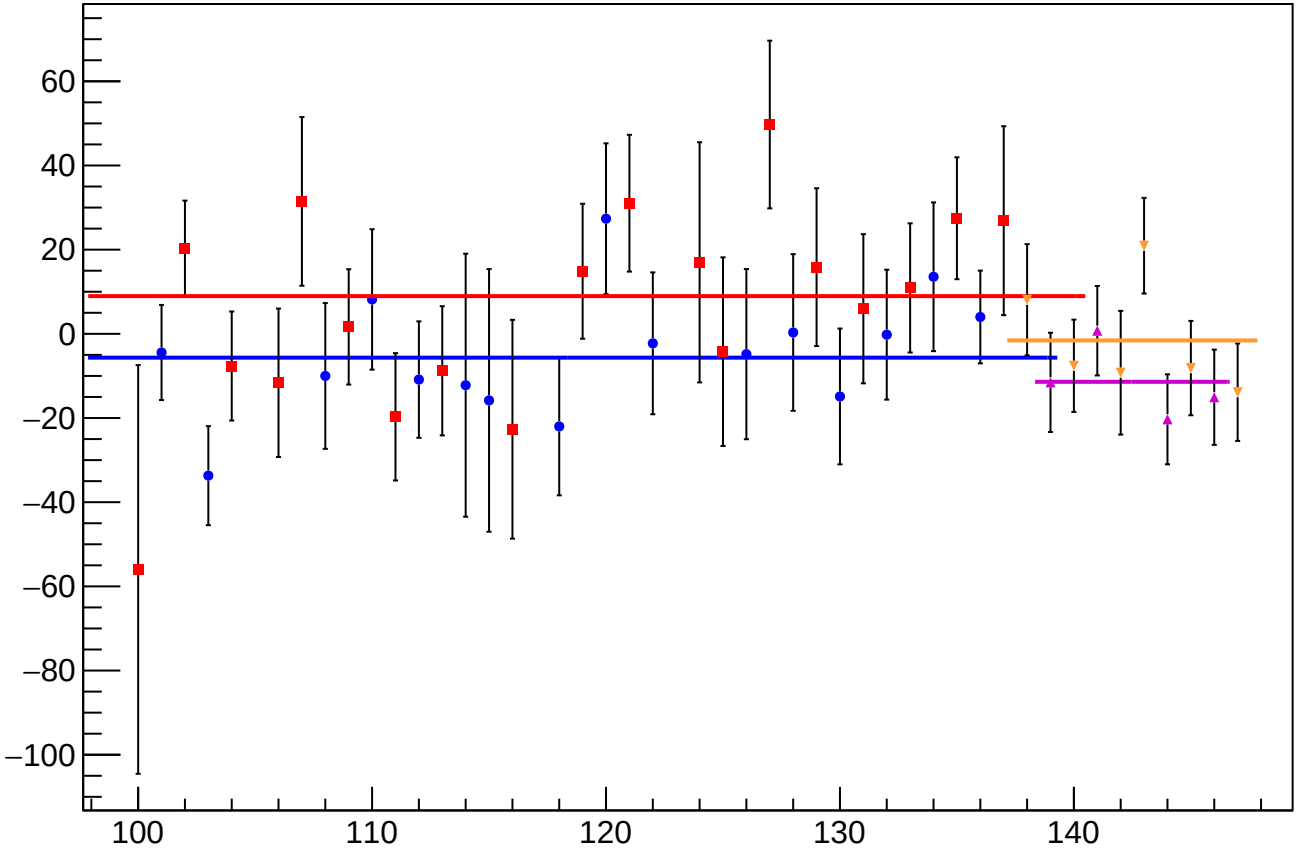
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 205.013+/-0.046 χ^2/NDF:1352480.9/19

Out: 190.398+/-0.042 χ^2/NDF:2455251.9/24

All: 196.953+/-0.031 χ^2/NDF: 3862600.3/44

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: -1.571+/-4.888 χ^2/NDF:6.5/5

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -11.397+/-5.537 χ^2/NDF:2.1/3

Left: -5.875+/-3.664 χ^2/NDF: 10.4/9

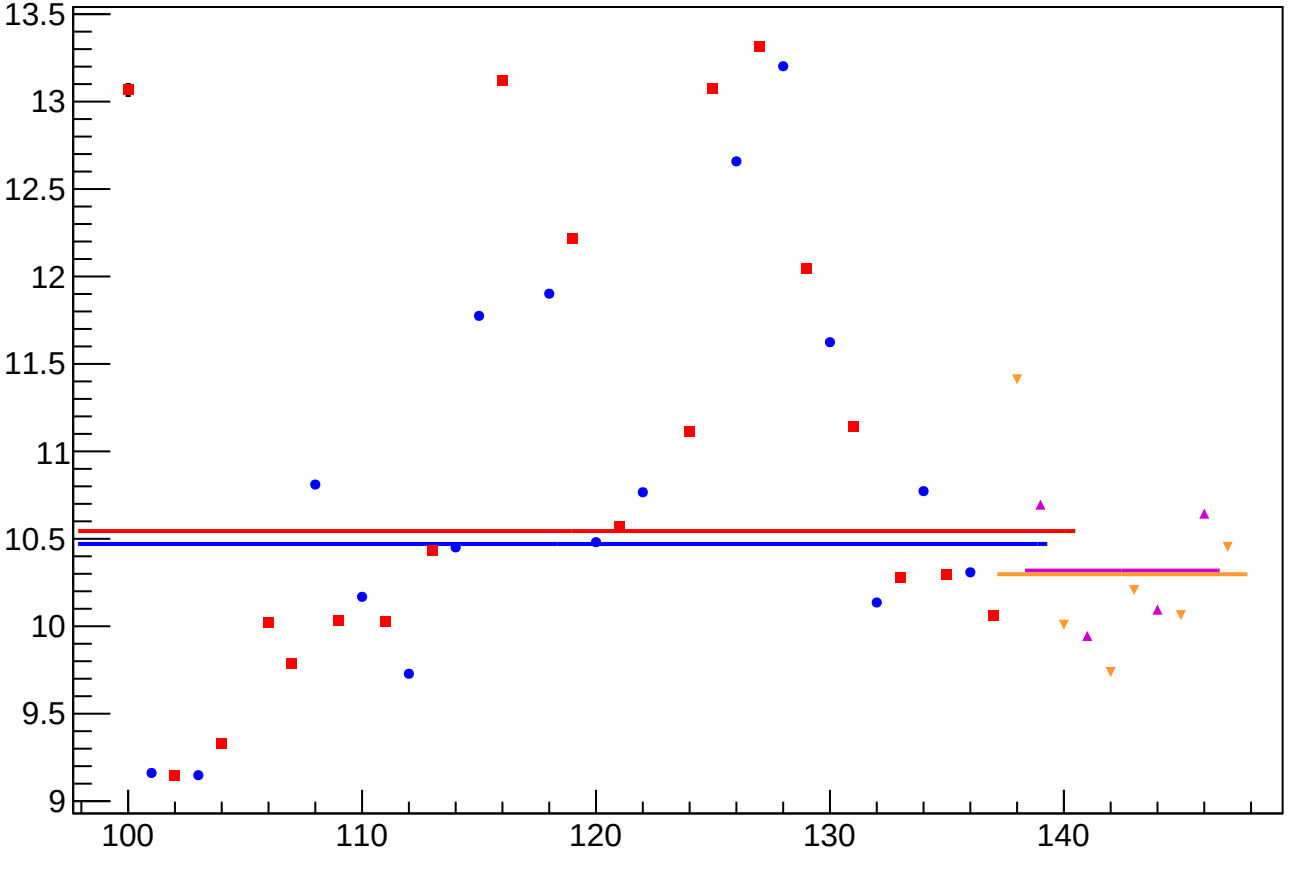
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -7.586+/-3.210 χ^2/NDF:16.5/19

Out: 4.863+/-3.049 χ^2/NDF:32.1/24

All: -1.042+/-2.211 χ^2/NDF: 56.5/44

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.297+/-0.003 χ^2/NDF:19866.2/5

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.318+/-0.004 χ^2/NDF:7048.1/3

Left: 10.307+/-0.003 χ^2/NDF: 26930.3/9

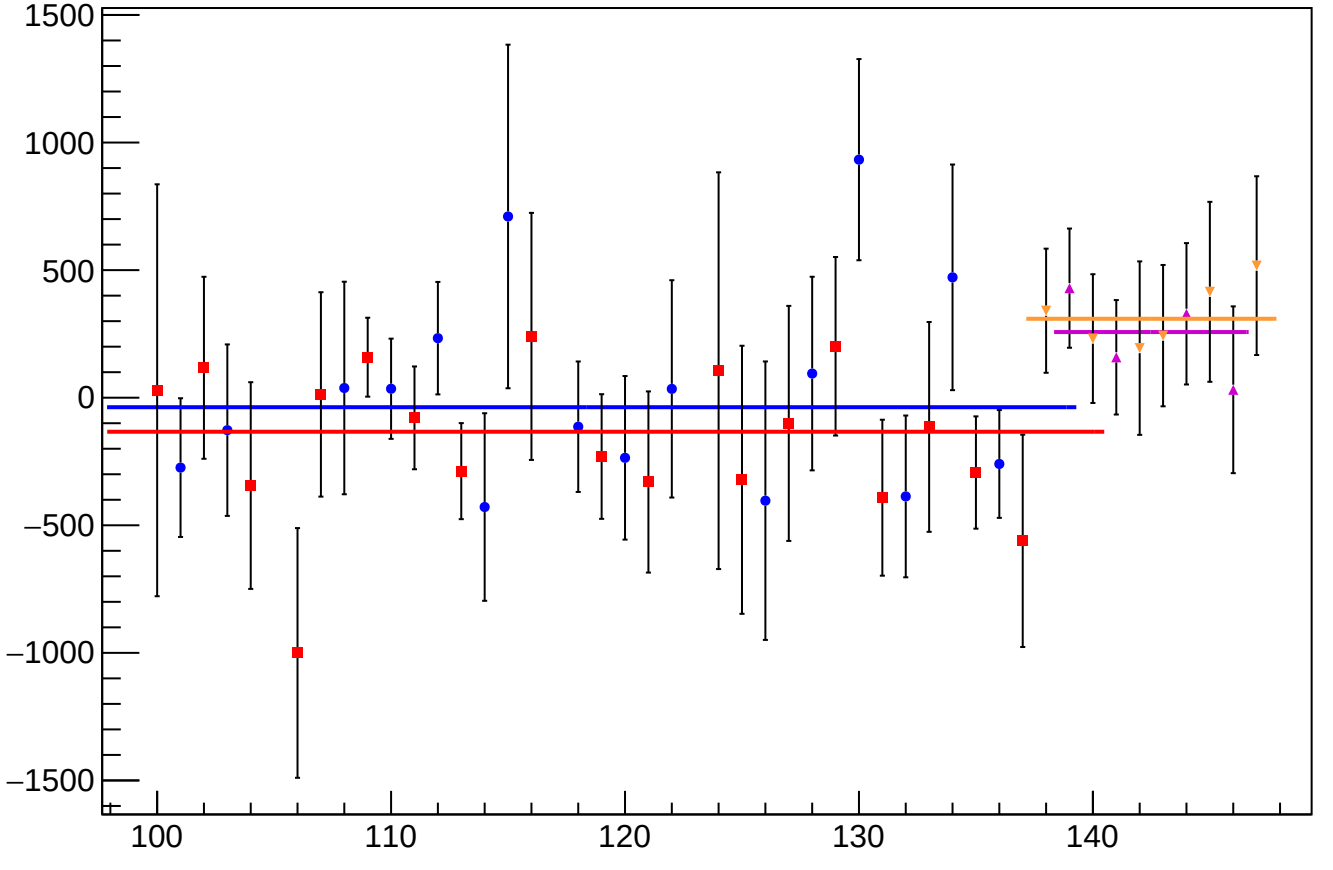
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.419+/-0.002 χ^2/NDF:165418.3/19

Out: 10.448+/-0.002 χ^2/NDF:209765.2/24

All: 10.435+/-0.002 χ^2/NDF: 375268.5/44

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 309.372+/-119.104 χ^2/NDF:0.7/5

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 257.340+/-128.457 χ^2/NDF:1.3/3

Left: 285.319+/-87.339 χ^2/NDF: 2.1/9

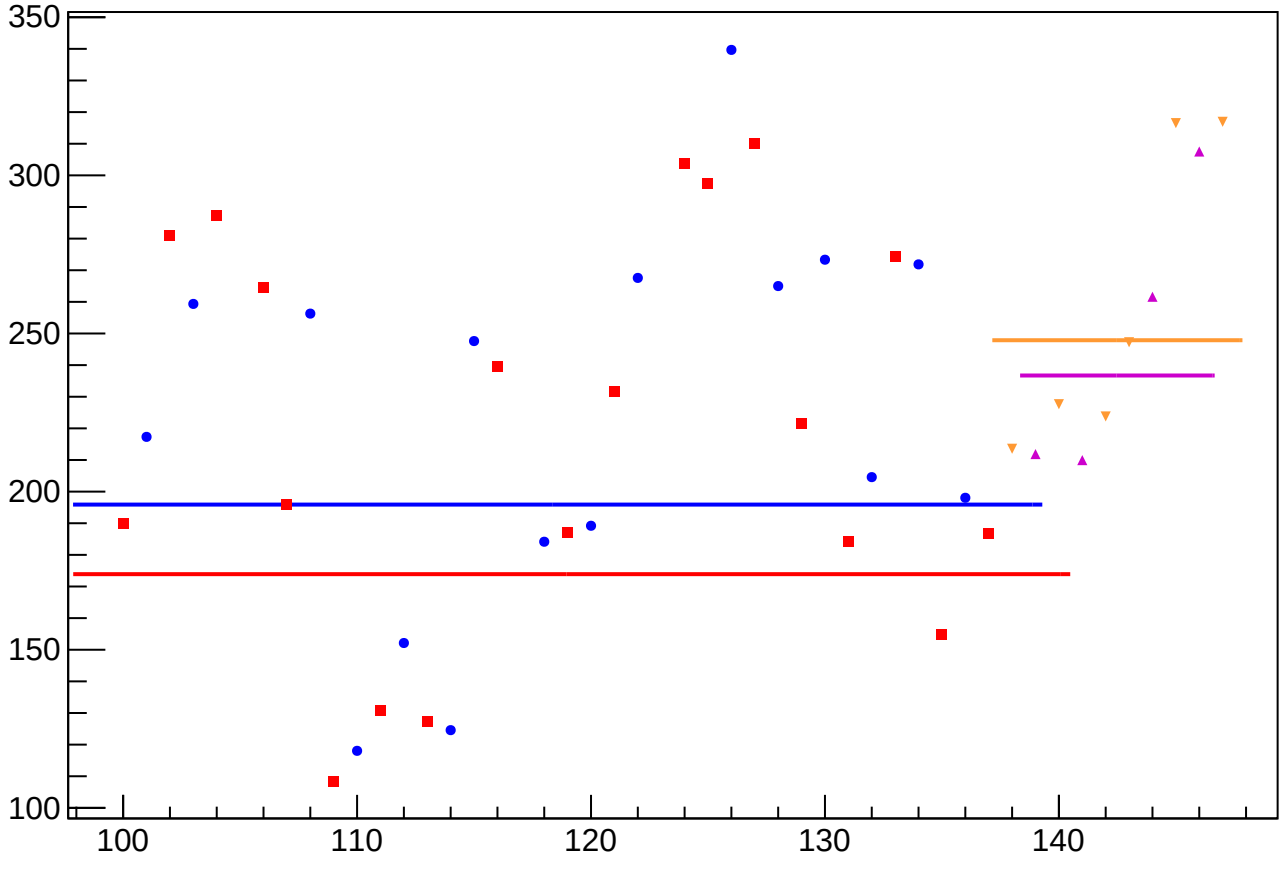
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 40.499+/-65.990 χ^2/NDF:20.8/19

Out: -22.405+/-59.630 χ^2/NDF:24.0/24

All: 5.871+/-44.243 χ^2/NDF: 45.3/44

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: 247.868+/-0.084 χ^2/NDF:216242.5/5

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 236.715+/-0.091 χ^2/NDF:161156.1/3

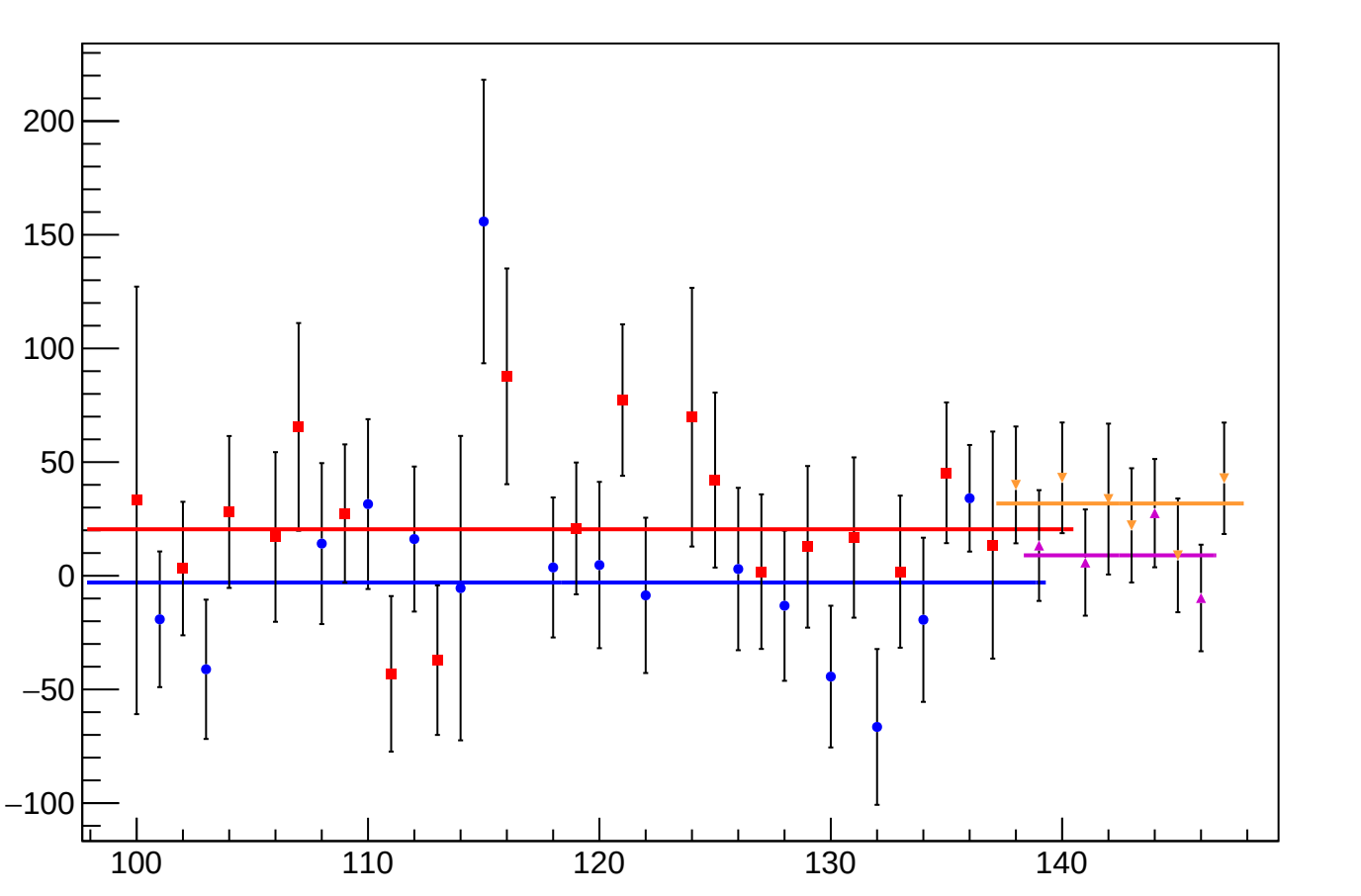
Left: 242.712+/-0.062 χ^2/NDF: 385504.9/9

Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 206.671+/-0.047 χ^2/NDF:1320798.9/19

Out: 192.442+/-0.042 χ^2/NDF:2393848.4/24

All: 198.838+/-0.031 χ^2/NDF: 3765838.8/44



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 31.793+/-10.566 χ^2/NDF:1.5/5

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 8.995+/-11.869 χ^2/NDF:1.3/3

Left: 21.713+/-7.892 χ^2/NDF: 4.9/9

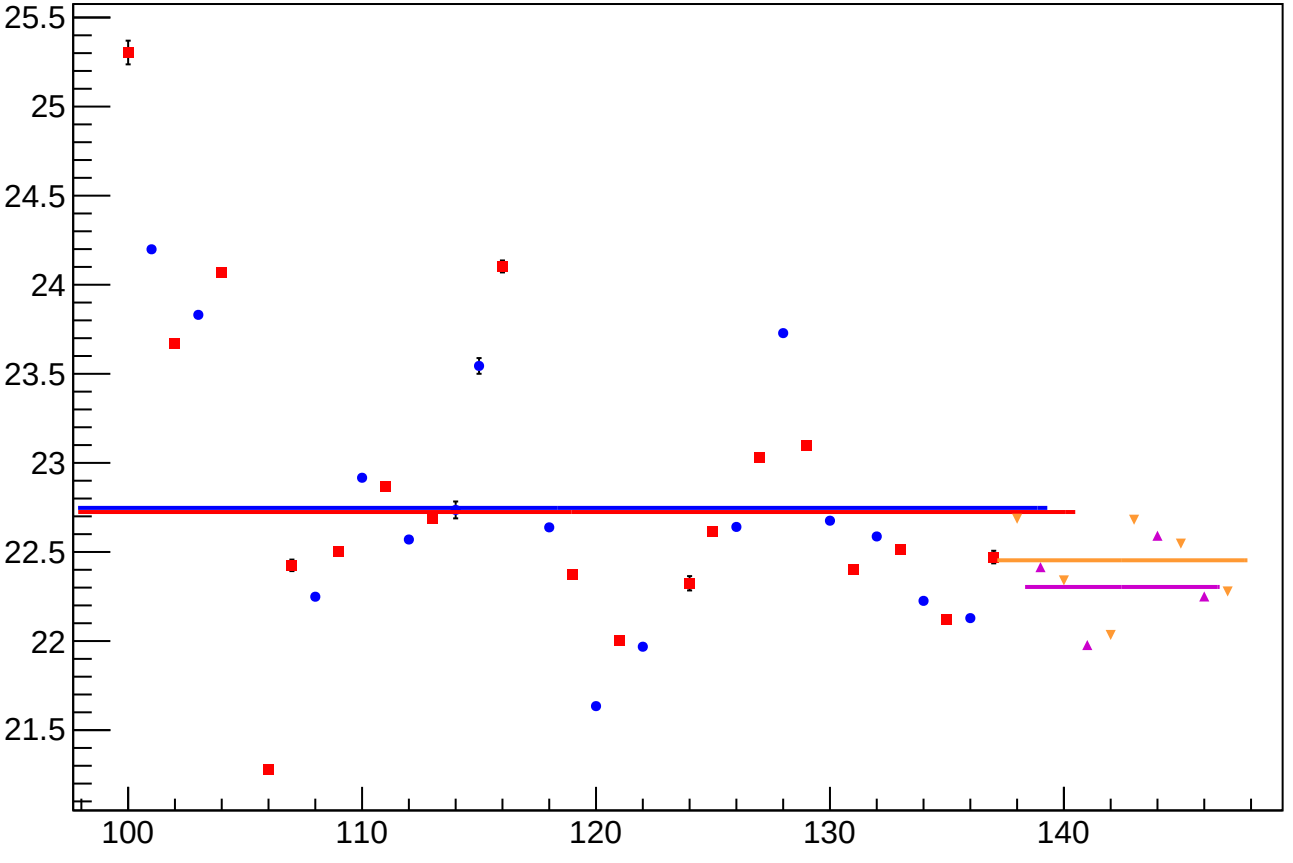
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 1.059+/-6.886 χ^2/NDF:19.9/19

Out: 24.778+/-6.523 χ^2/NDF:17.5/24

All: 13.559+/-4.736 χ^2/NDF: 43.6/44

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: 22.453+/-0.007 χ^2/NDF:820.8/5

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.304+/-0.008 χ^2/NDF:732.6/3

Left: 22.387+/-0.006 χ^2/NDF: 1730.9/9

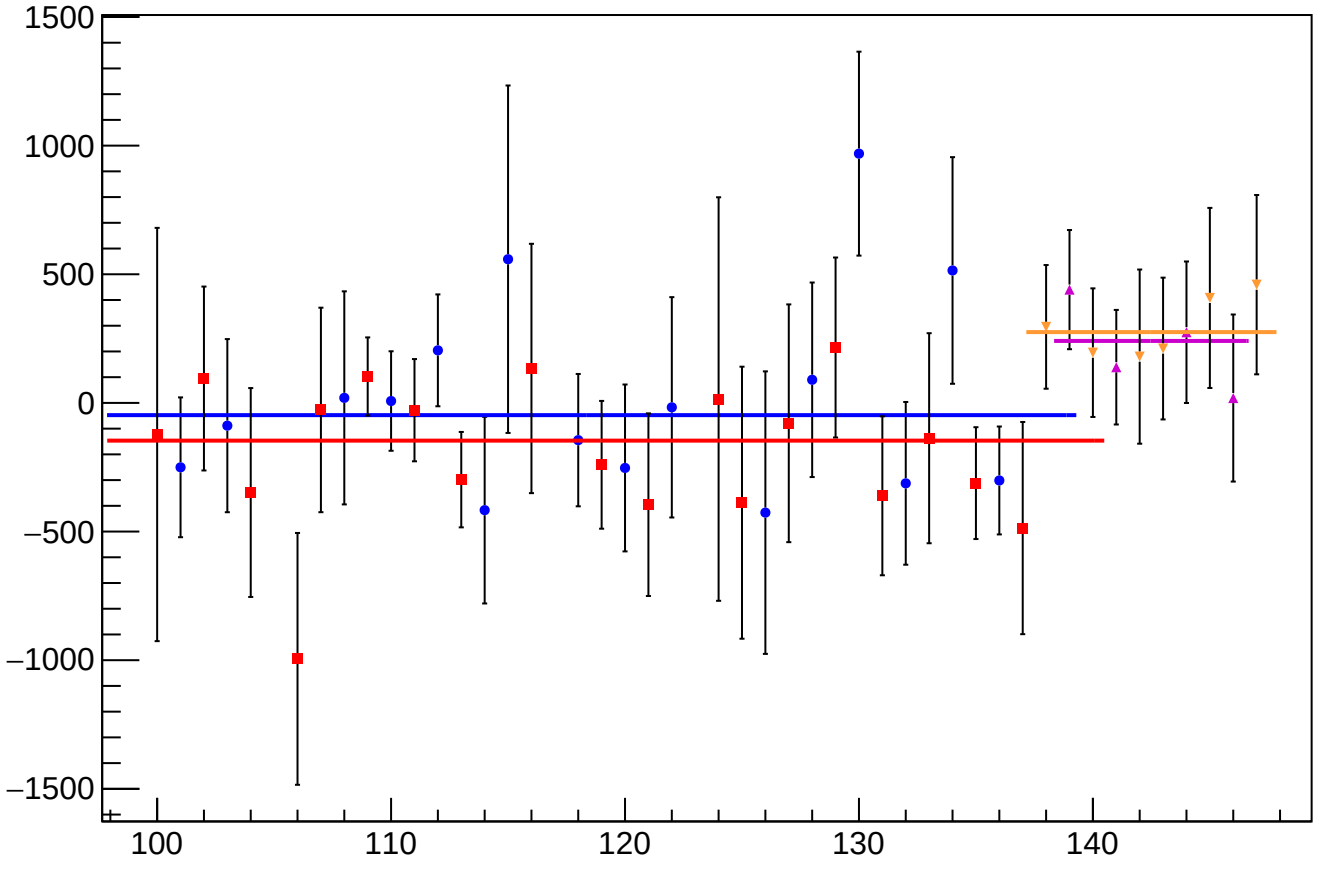
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.598+/-0.005 χ^2/NDF:17210.9/19

Out: 22.621+/-0.005 χ^2/NDF:16125.4/24

All: 22.610+/-0.003 χ^2/NDF: 33348.0/44

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 275.231+/-118.165 χ^2/NDF:0.7/5

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 240.893+/-127.488 χ^2/NDF:1.4/3

Left: 259.363+/-86.664 χ^2/NDF: 2.1/9

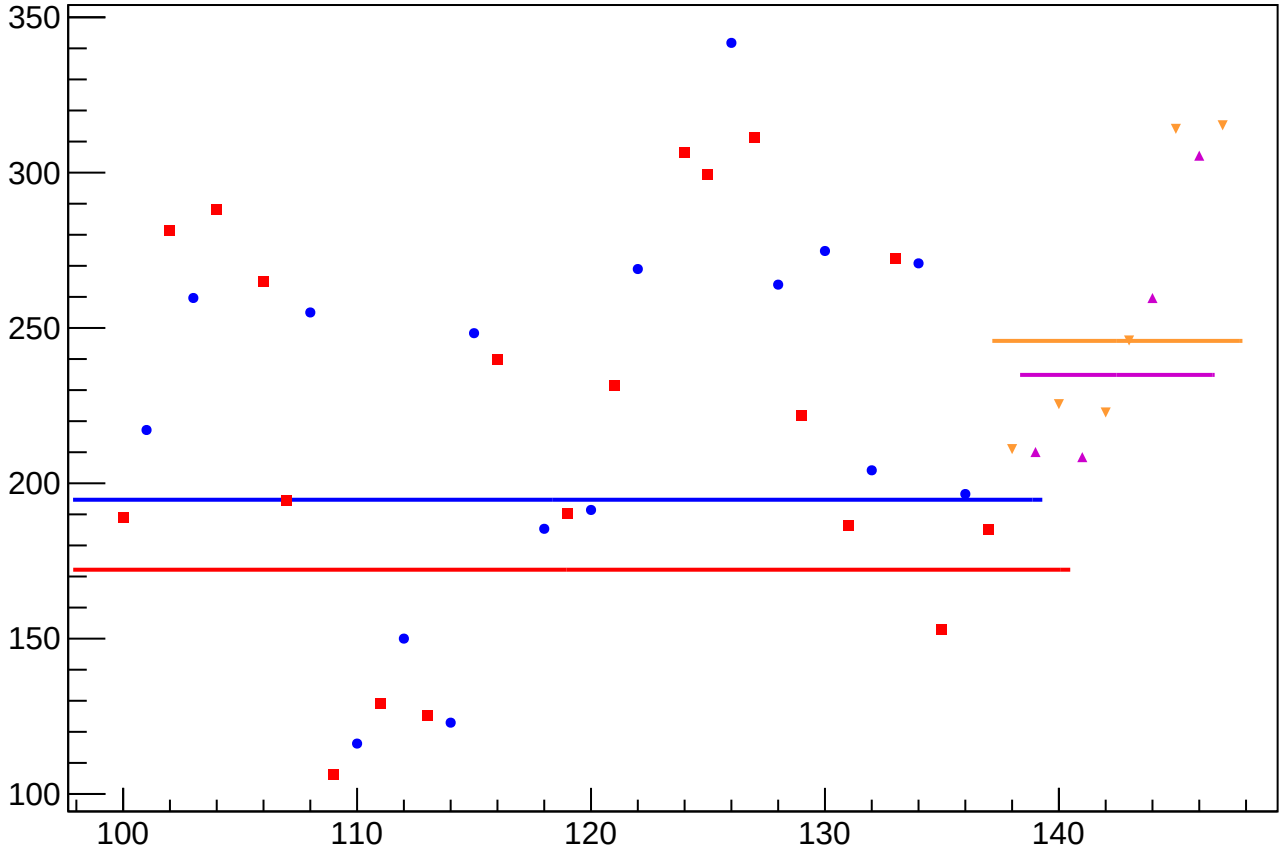
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 28.938+/-65.641 χ^2/NDF:20.6/19

Out: -40.715+/-59.196 χ^2/NDF:21.8/24

All: -9.475+/-43.961 χ^2/NDF: 43.0/44

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: 245.842+/-0.084 χ^2/NDF:219936.9/5

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 234.895+/-0.090 χ^2/NDF:161902.2/3

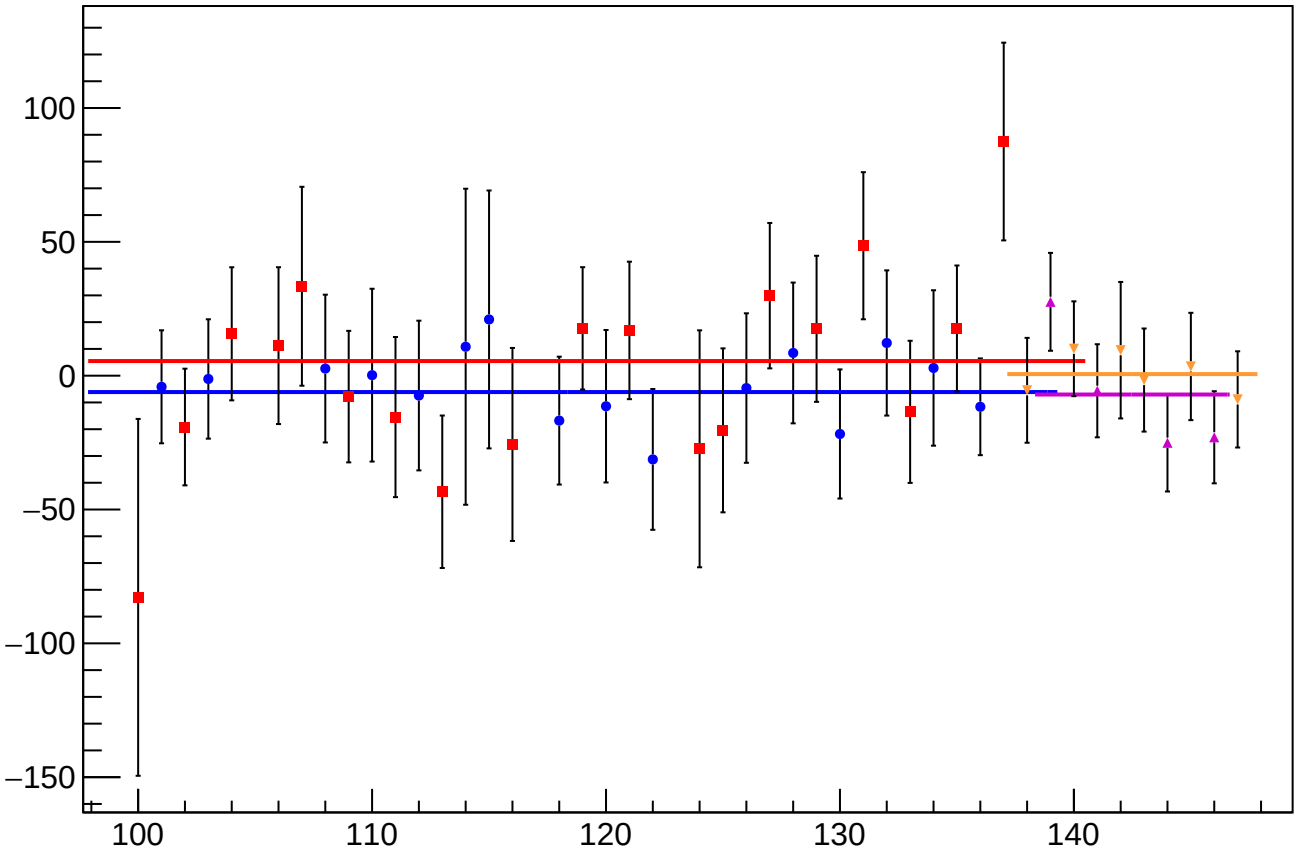
Left: 240.783+/-0.061 χ^2/NDF: 389771.6/9

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 205.362+/-0.046 χ^2/NDF:1360234.6/19

Out: 190.671+/-0.042 χ^2/NDF:2473068.6/24

All: 197.260+/-0.031 χ^2/NDF: 3888548.2/44



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 0.589+/-8.004 χ^2/NDF:0.8/5

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -7.041+/-8.878 χ^2/NDF:5.4/3

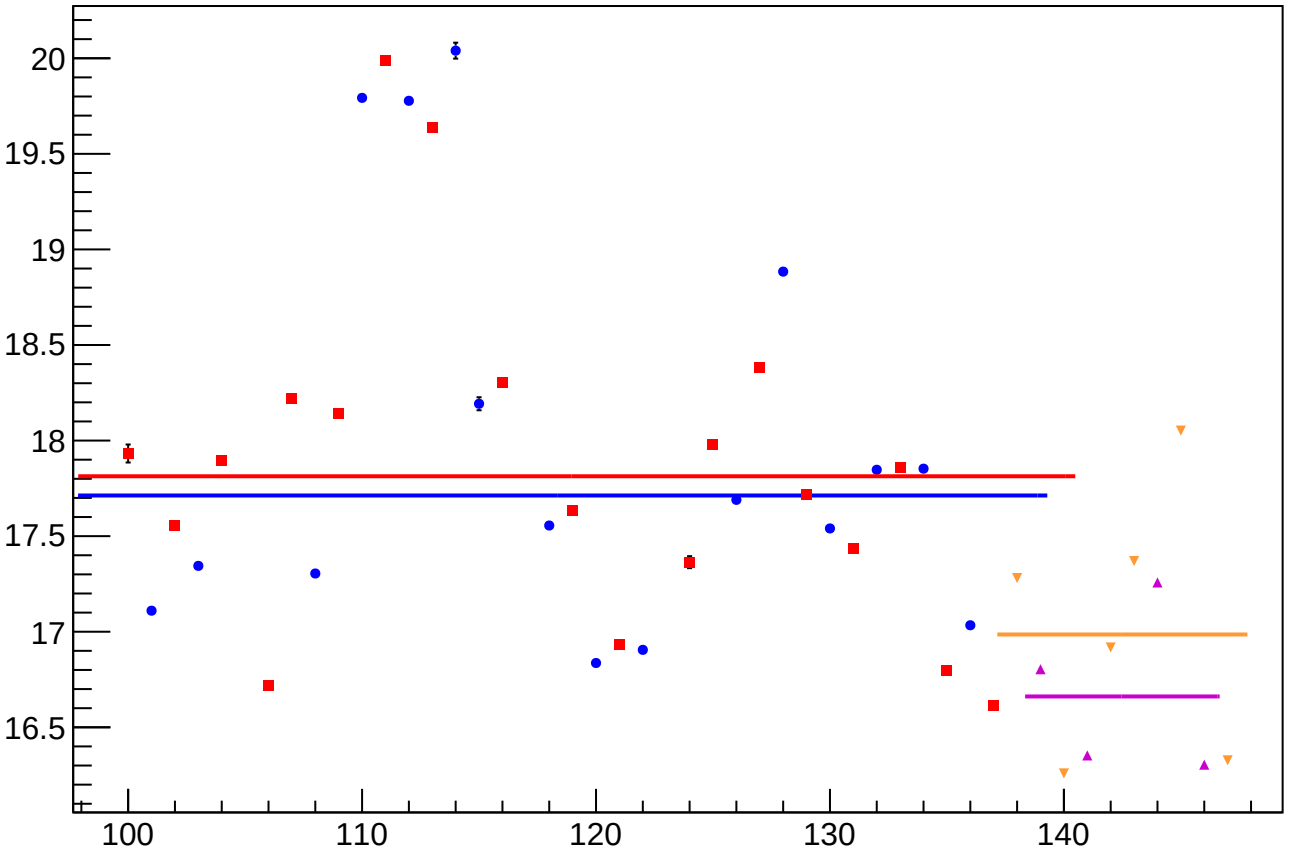
Left: -2.832+/-5.945 χ^2/NDF: 6.7/9

Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -6.447+/-5.293 χ^2/NDF:8.6/19

Out: 3.527+/-5.050 χ^2/NDF:20.2/24

All: -1.226+/-3.654 χ^2/NDF: 30.7/44



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.986+/-0.006 χ^2/NDF:12973.8/5

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.661+/-0.006 χ^2/NDF:3754.8/3

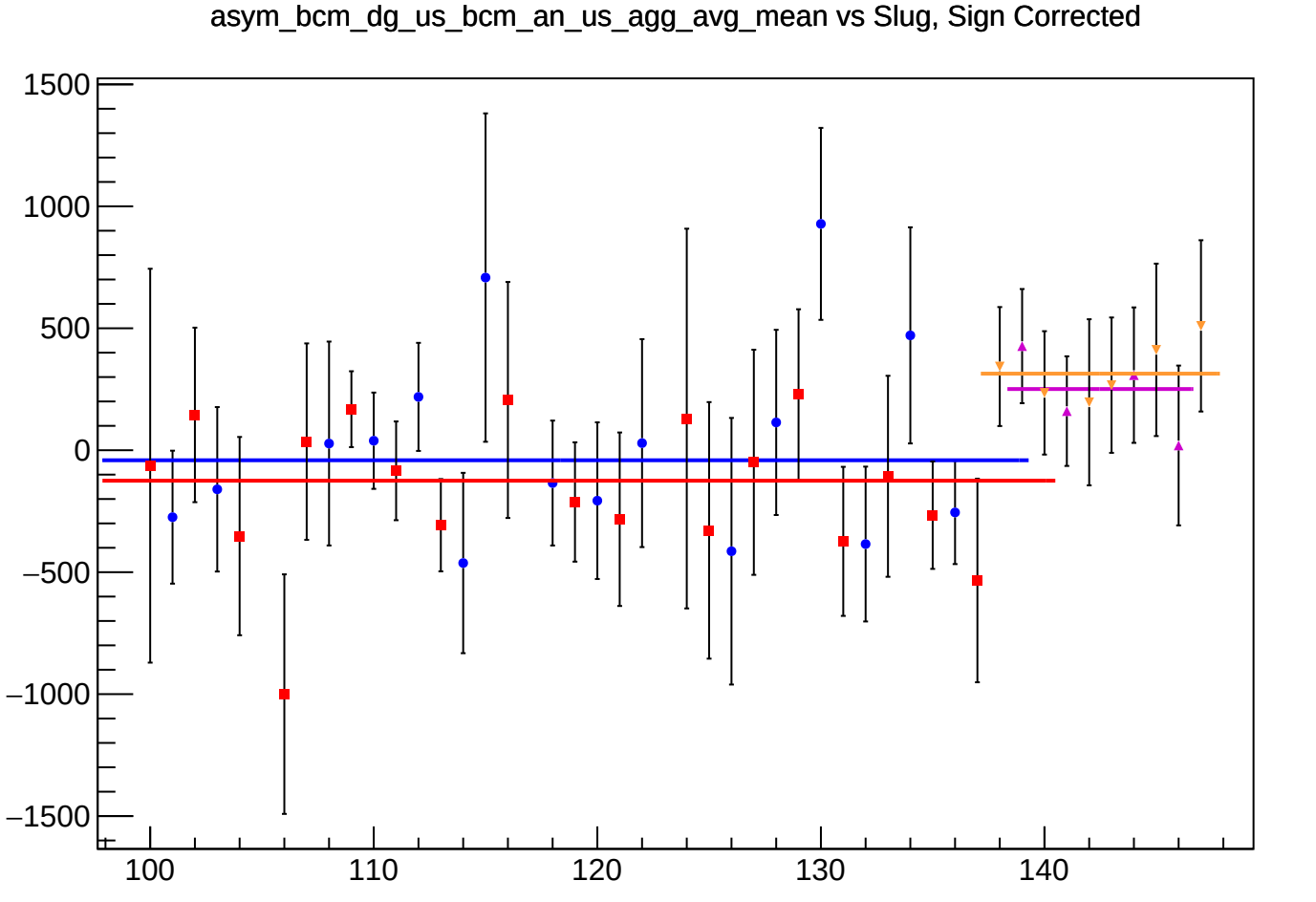
Left: 16.840+/-0.004 χ^2/NDF: 18200.0/9

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.339+/-0.004 χ^2/NDF:57815.9/19

Out: 17.484+/-0.004 χ^2/NDF:58561.8/24

All: 17.415+/-0.003 χ^2/NDF: 117160.9/44



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 314.004+/-119.379 χ^2/NDF:0.6/5

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 250.890+/-128.736 χ^2/NDF:1.3/3

Left: 284.824+/-87.535 χ^2/NDF: 2.0/9

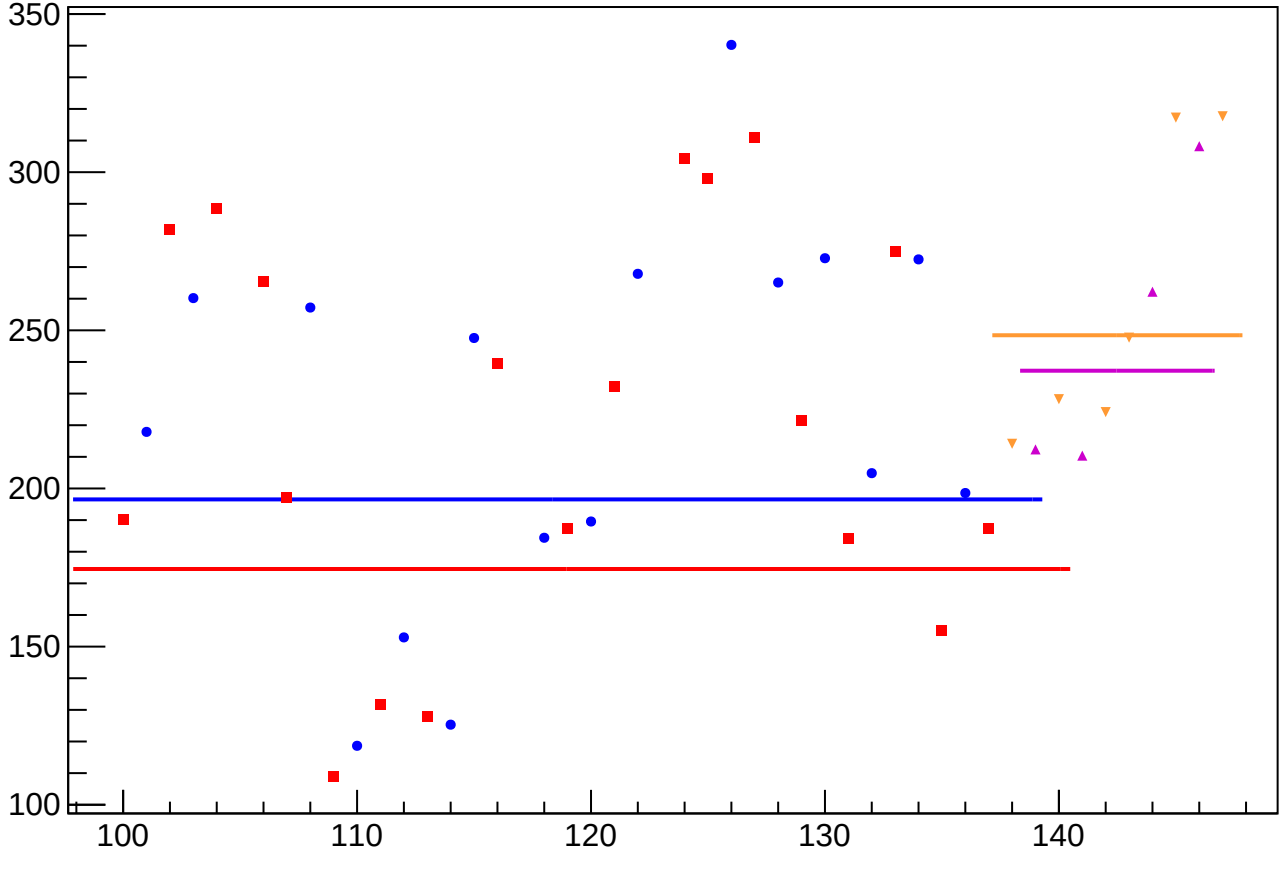
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 36.030+/-66.169 χ^2/NDF:20.7/19

Out: -14.712+/-59.810 χ^2/NDF:23.6/24

All: 8.104+/-44.370 χ^2/NDF: 44.6/44

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: 248.443+/-0.084 χ^2/NDF:216102.8/5

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 237.231+/-0.091 χ^2/NDF:161236.9/3

Left: 243.259+/-0.062 χ^2/NDF: 385496.1/9

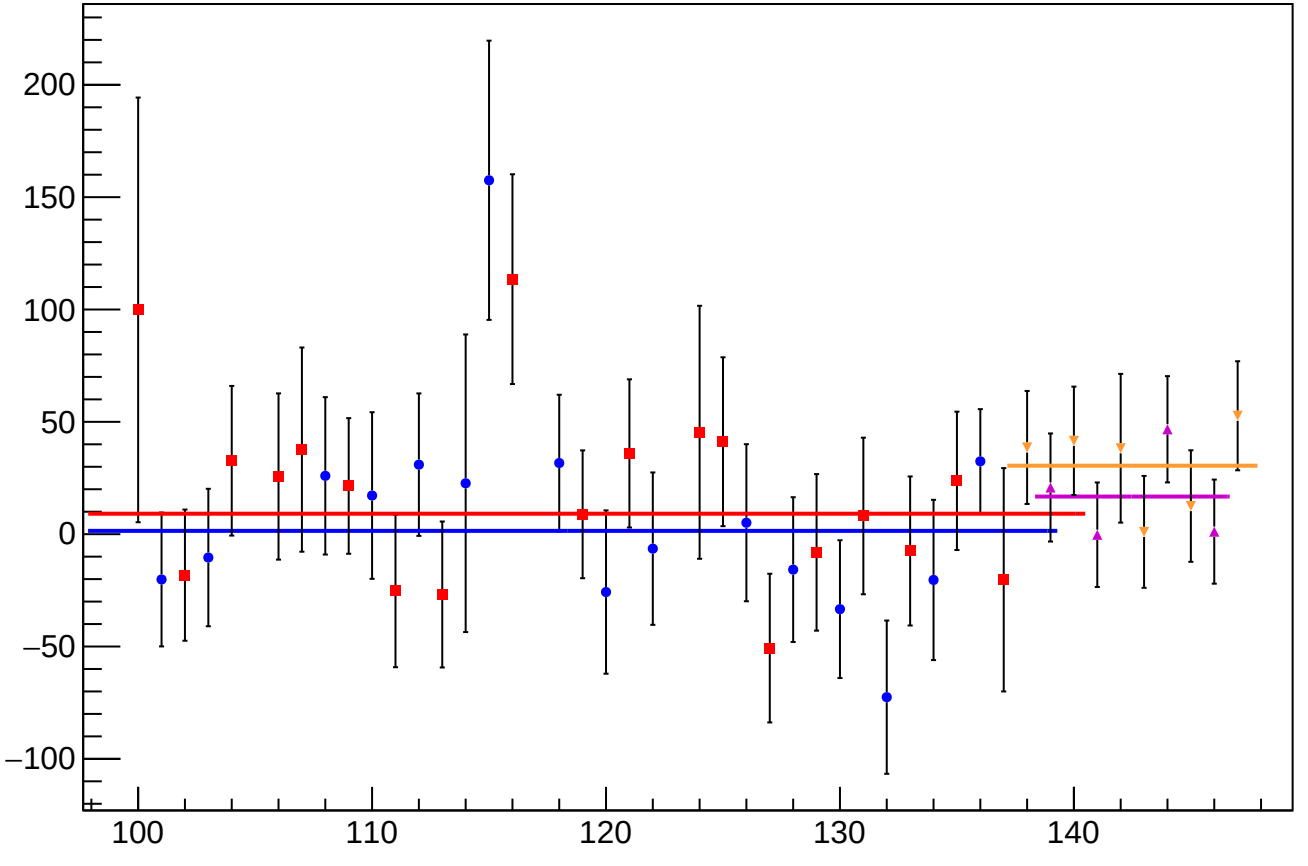
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 207.292+/-0.047 χ^2/NDF:1309015.5/19

Out: 193.090+/-0.042 χ^2/NDF:2378910.4/24

All: 199.476+/-0.031 χ^2/NDF: 3738628.9/44

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: 30.481+/-10.457 χ^2/NDF:3.1/5

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 16.748+/-11.763 χ^2/NDF:2.6/3

Left: 24.418+/-7.815 χ^2/NDF: 6.5/9

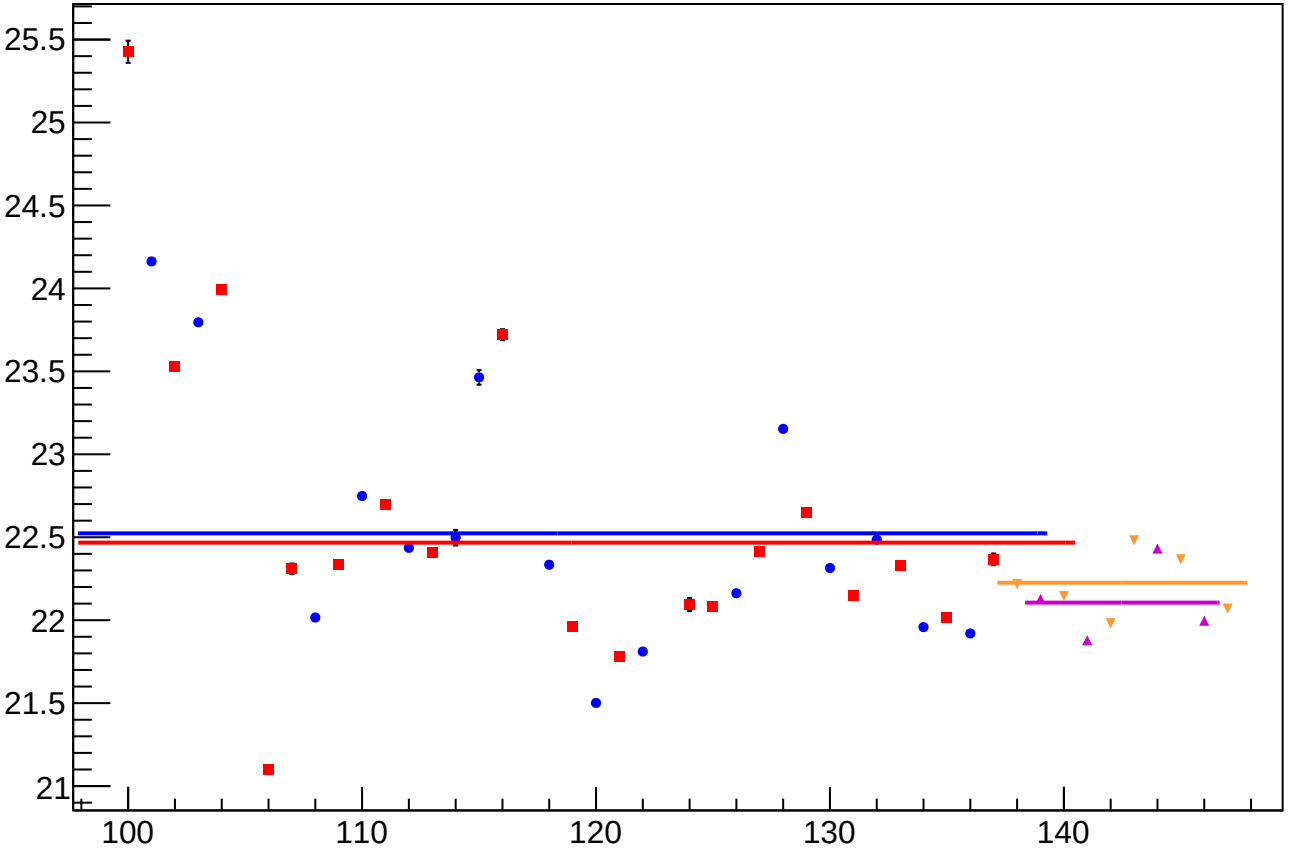
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 6.609+/-6.820 χ^2/NDF:22.4/19

Out: 17.246+/-6.452 χ^2/NDF:22.2/24

All: 12.223+/-4.687 χ^2/NDF: 45.9/44

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: 22.226+/-0.007 χ^2/NDF:490.3/5

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.106+/-0.008 χ^2/NDF:616.6/3

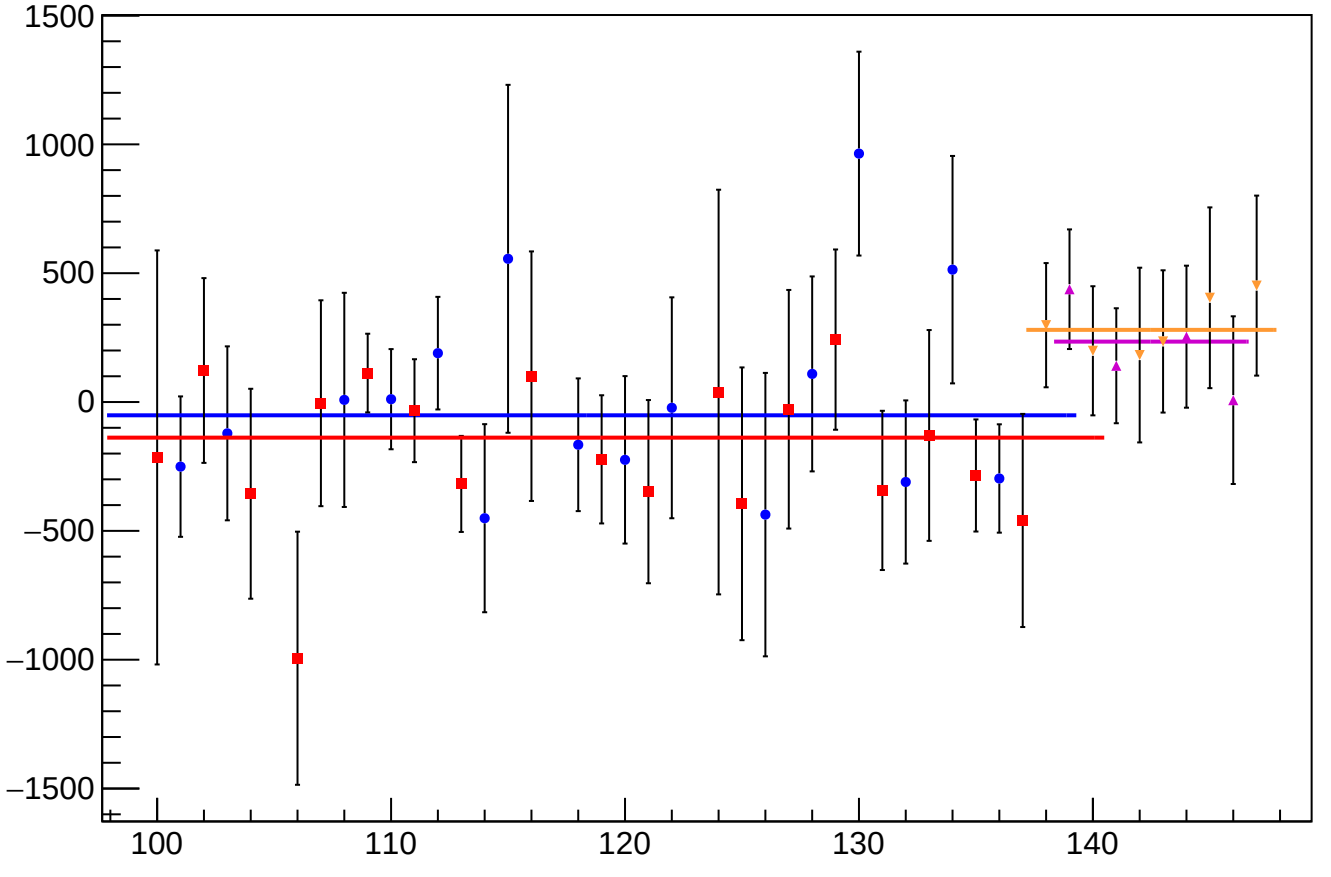
Left: 22.173+/-0.006 χ^2/NDF: 1223.3/9

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.383+/-0.005 χ^2/NDF:18238.7/19

Out: 22.376+/-0.005 χ^2/NDF:16778.1/24

All: 22.379+/-0.003 χ^2/NDF: 35018.0/44



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 280.061+/-118.441 χ^2/NDF:0.6/5

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 234.435+/-127.769 χ^2/NDF:1.4/3

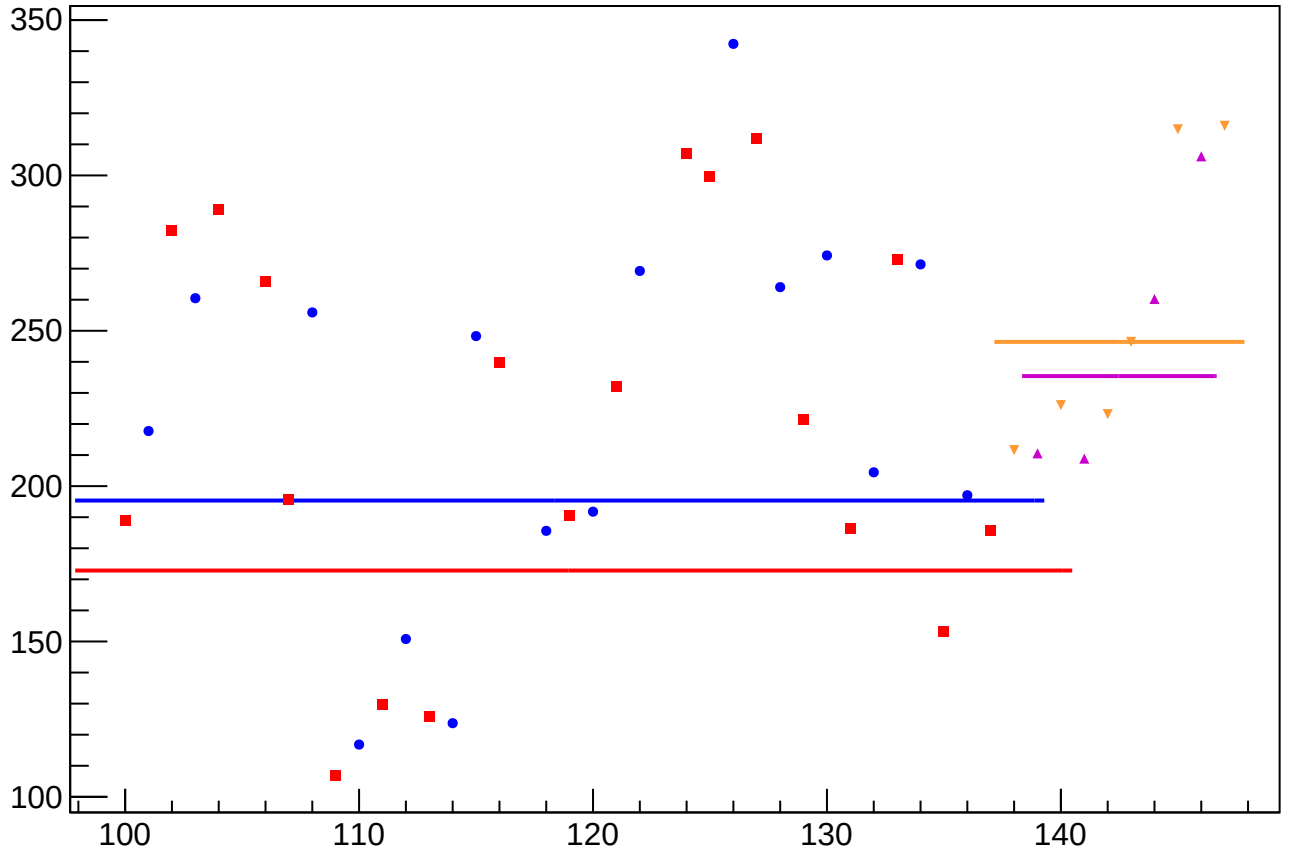
Left: 258.974+/-86.861 χ^2/NDF: 2.1/9

Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 24.393+/-65.823 χ^2/NDF:20.5/19

Out: -33.066+/-59.378 χ^2/NDF:21.5/24

All: -7.286+/-44.089 χ^2/NDF: 42.4/44



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 246.419+/-0.084 χ^2/NDF:219771.8/5

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 235.413+/-0.090 χ^2/NDF:161972.0/3

Left: 241.332+/-0.061 χ^2/NDF: 389724.2/9

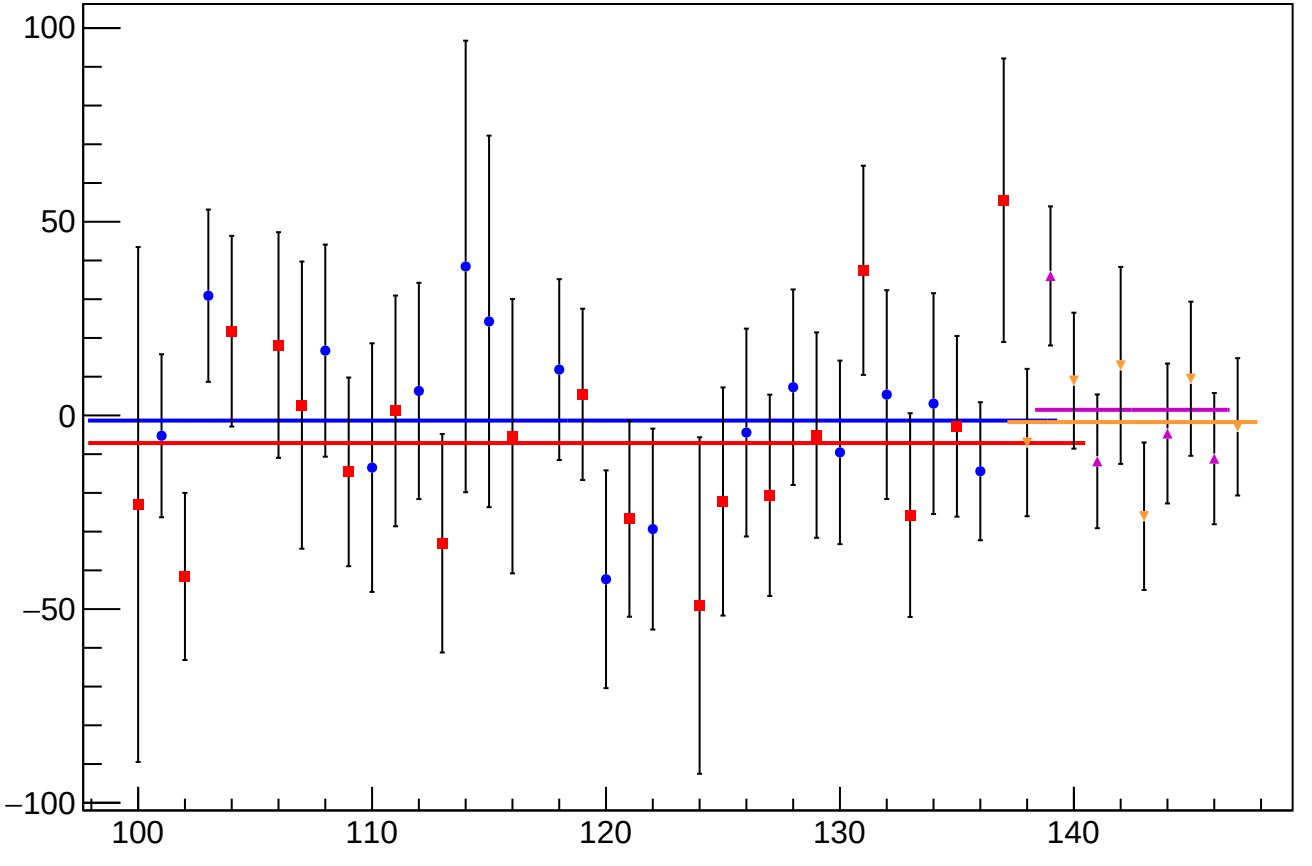
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 205.991+/-0.047 χ^2/NDF:1347778.4/19

Out: 191.330+/-0.042 χ^2/NDF:2457108.9/24

All: 197.908+/-0.031 χ^2/NDF: 3859587.6/44

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: -1.712+/-7.901 χ^2/NDF:2.7/5

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 1.444+/-8.769 χ^2/NDF:5.0/3

Left: -0.298+/-5.870 χ^2/NDF: 7.8/9

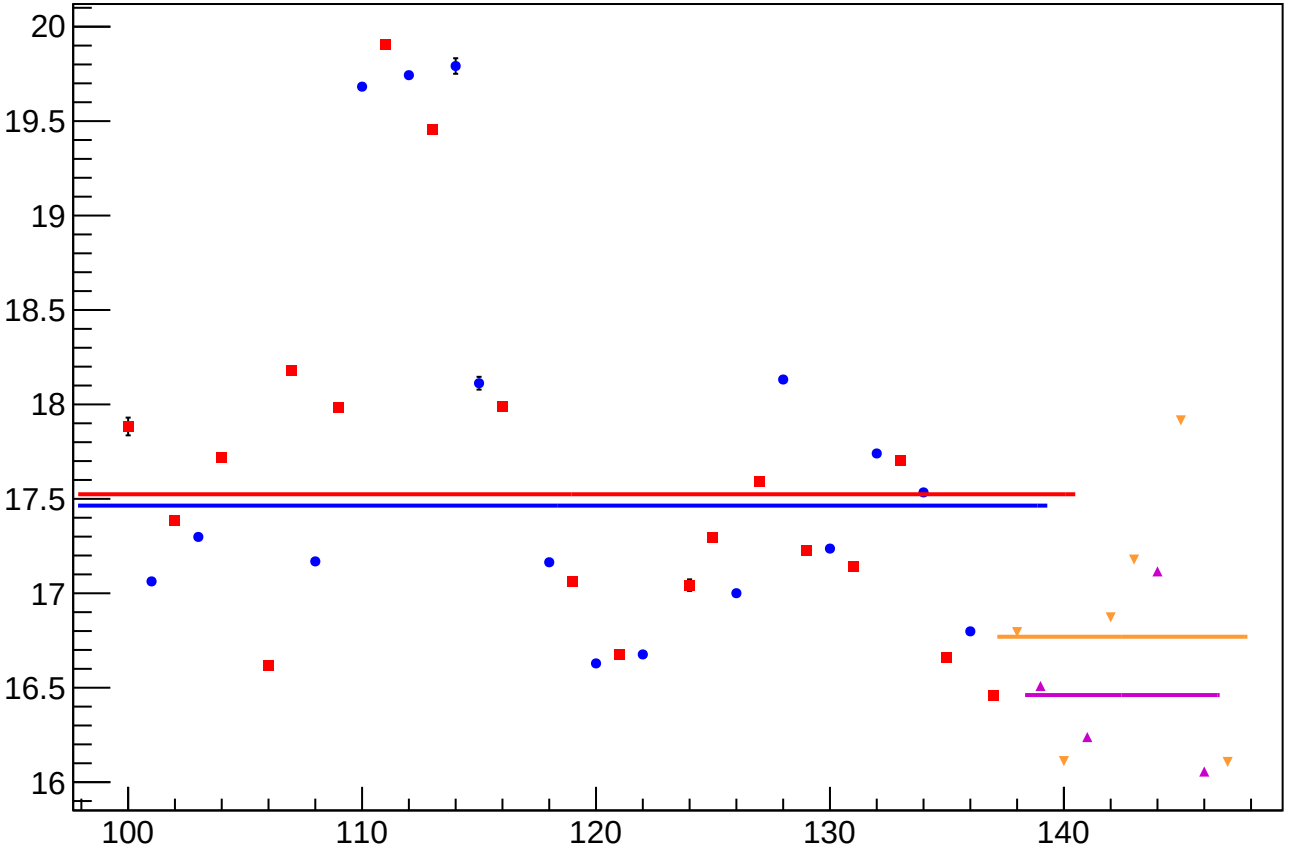
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: -0.347+/-5.221 χ^2/NDF:13.1/19

Out: -4.980+/-4.974 χ^2/NDF:17.4/24

All: -2.776+/-3.601 χ^2/NDF: 30.9/44

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: 16.770+/-0.006 χ^2/NDF:13199.0/5

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.461+/-0.006 χ^2/NDF:4117.9/3

Left: 16.632+/-0.004 χ^2/NDF: 18685.5/9

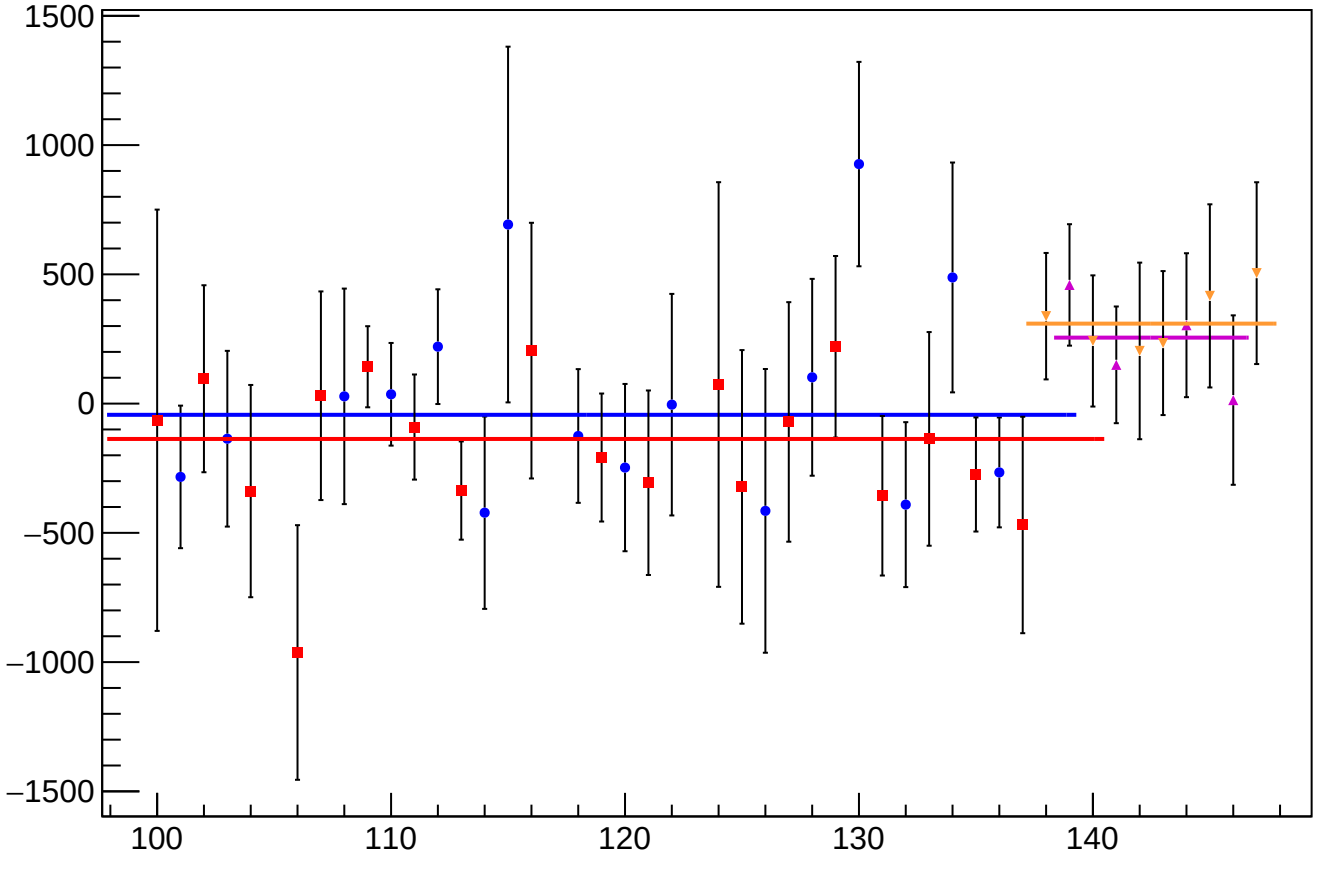
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 17.109+/-0.004 χ^2/NDF:57657.9/19

Out: 17.225+/-0.004 χ^2/NDF:58933.0/24

All: 17.170+/-0.003 χ^2/NDF: 117114.7/44

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: 309.367+/-119.722 χ^2/NDF:0.7/5

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 255.205+/-129.140 χ^2/NDF:1.5/3

Left: 284.333+/-87.797 χ^2/NDF: 2.3/9

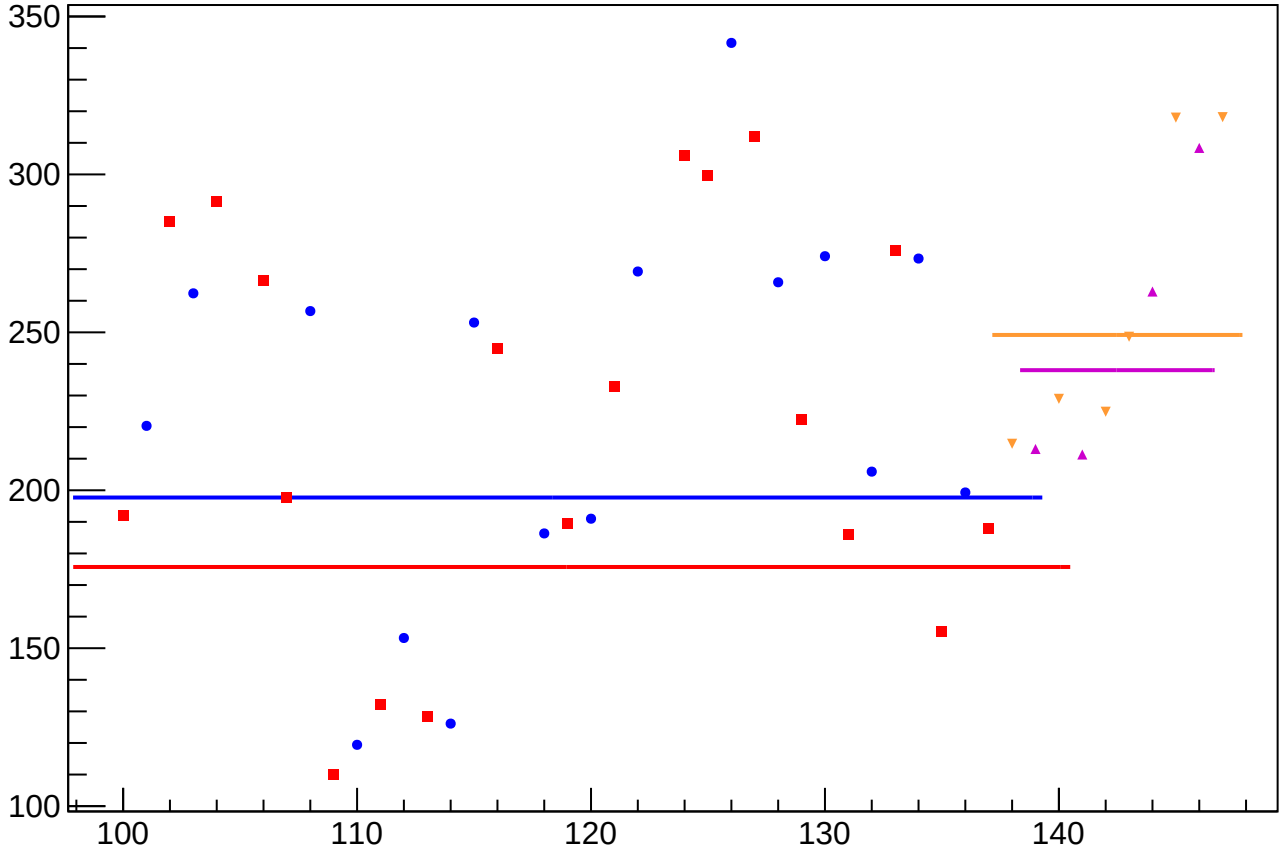
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 35.805+/-66.505 χ^2/NDF:20.9/19

Out: -24.188+/-60.143 χ^2/NDF:22.6/24

All: 2.802+/-44.608 χ^2/NDF: 43.9/44

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: 249.177+/-0.085 χ^2/NDF:214866.3/5

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 238.028+/-0.091 χ^2/NDF:158730.0/3

Left: 244.024+/-0.062 χ^2/NDF: 381612.1/9

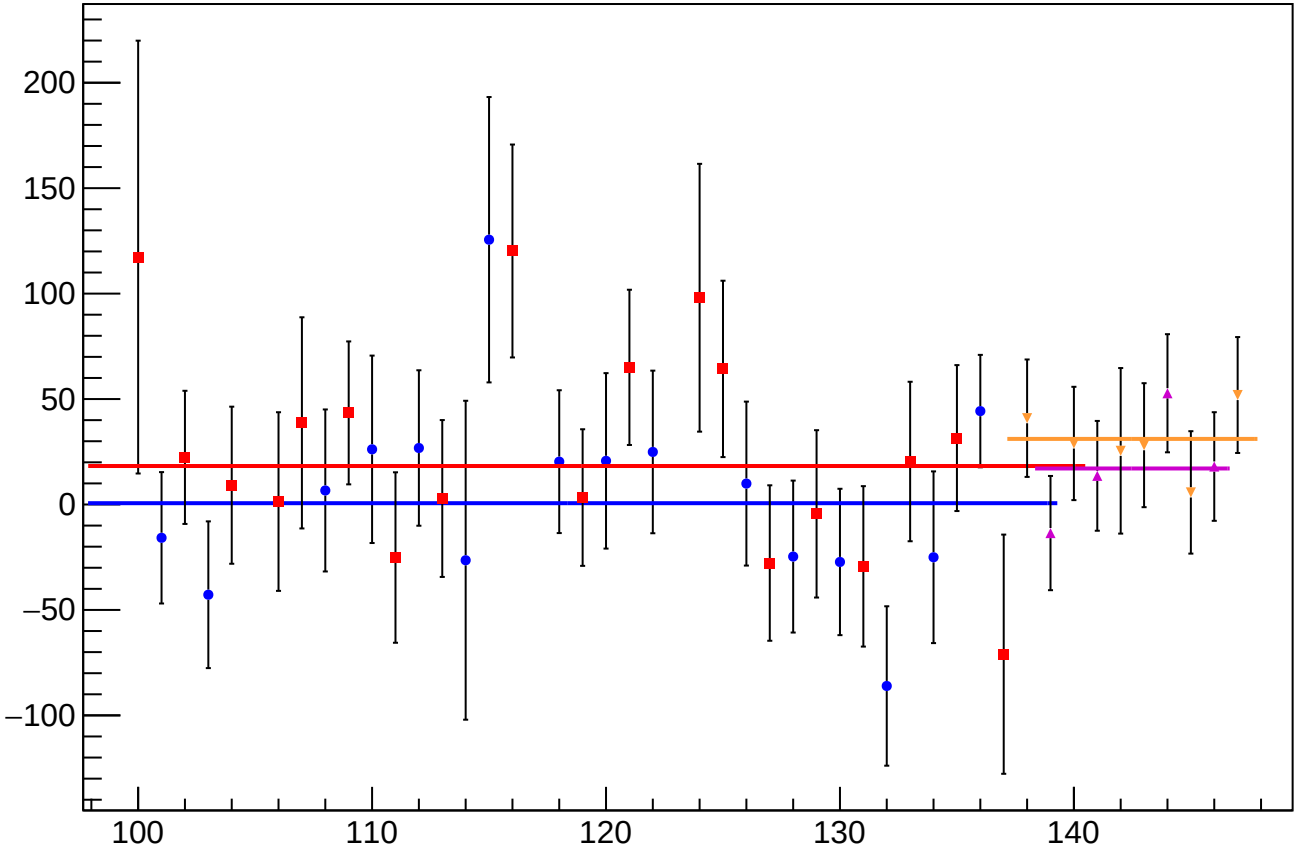
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 208.401+/-0.047 χ^2/NDF:1302318.4/19

Out: 194.254+/-0.043 χ^2/NDF:2368402.8/24

All: 200.619+/-0.032 χ^2/NDF: 3720501.7/44

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: 31.102+/-11.959 χ^2/NDF:1.5/5

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 17.076+/-13.338 χ^2/NDF:2.9/3

Left: 24.851+/-8.904 χ^2/NDF: 5.0/9

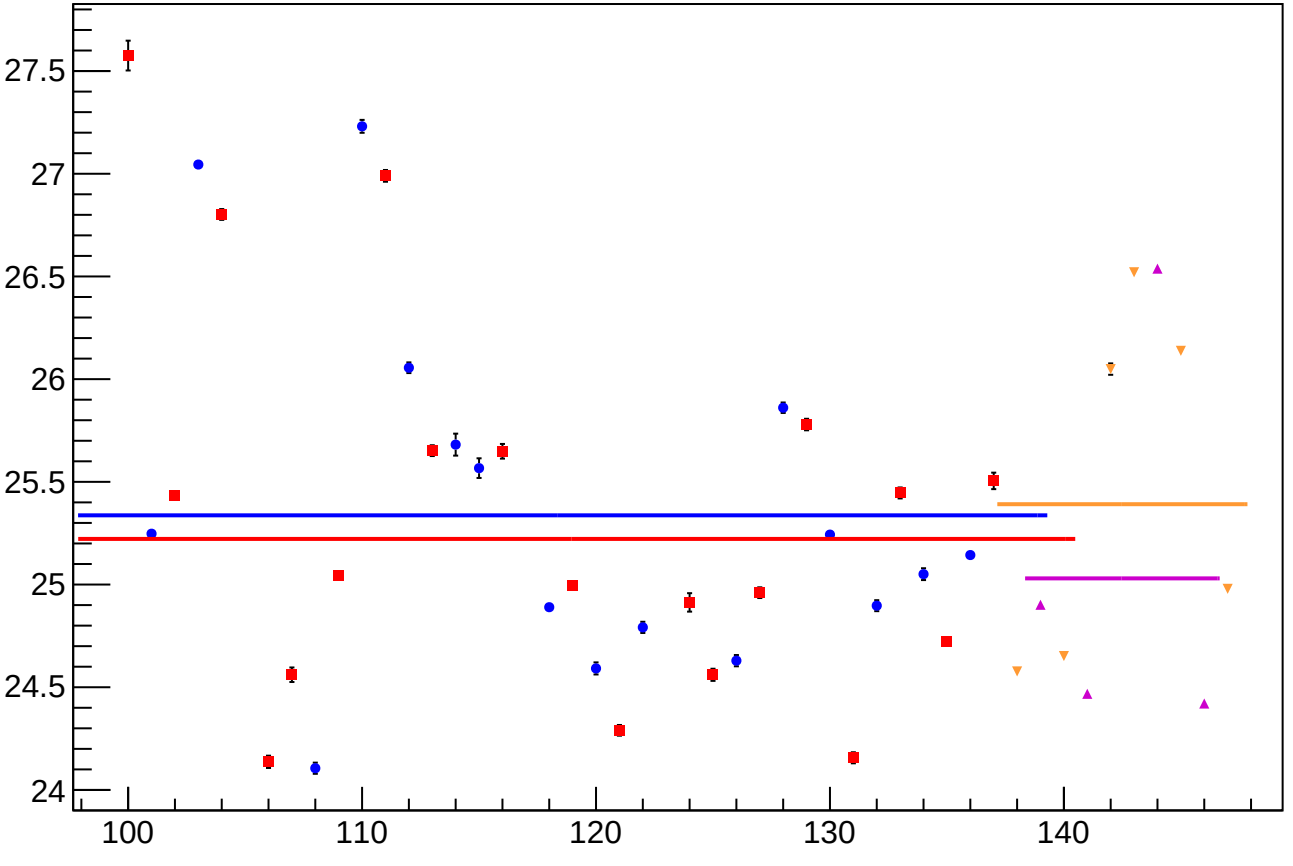
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 6.097+/-7.695 χ^2/NDF:20.7/19

Out: 23.033+/-7.296 χ^2/NDF:20.2/24

All: 15.016+/-5.295 χ^2/NDF: 43.4/44

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: 25.391+/-0.008 χ^2/NDF:8510.3/5

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.030+/-0.009 χ^2/NDF:7894.4/3

Left: 25.230+/-0.006 χ^2/NDF: 17217.7/9

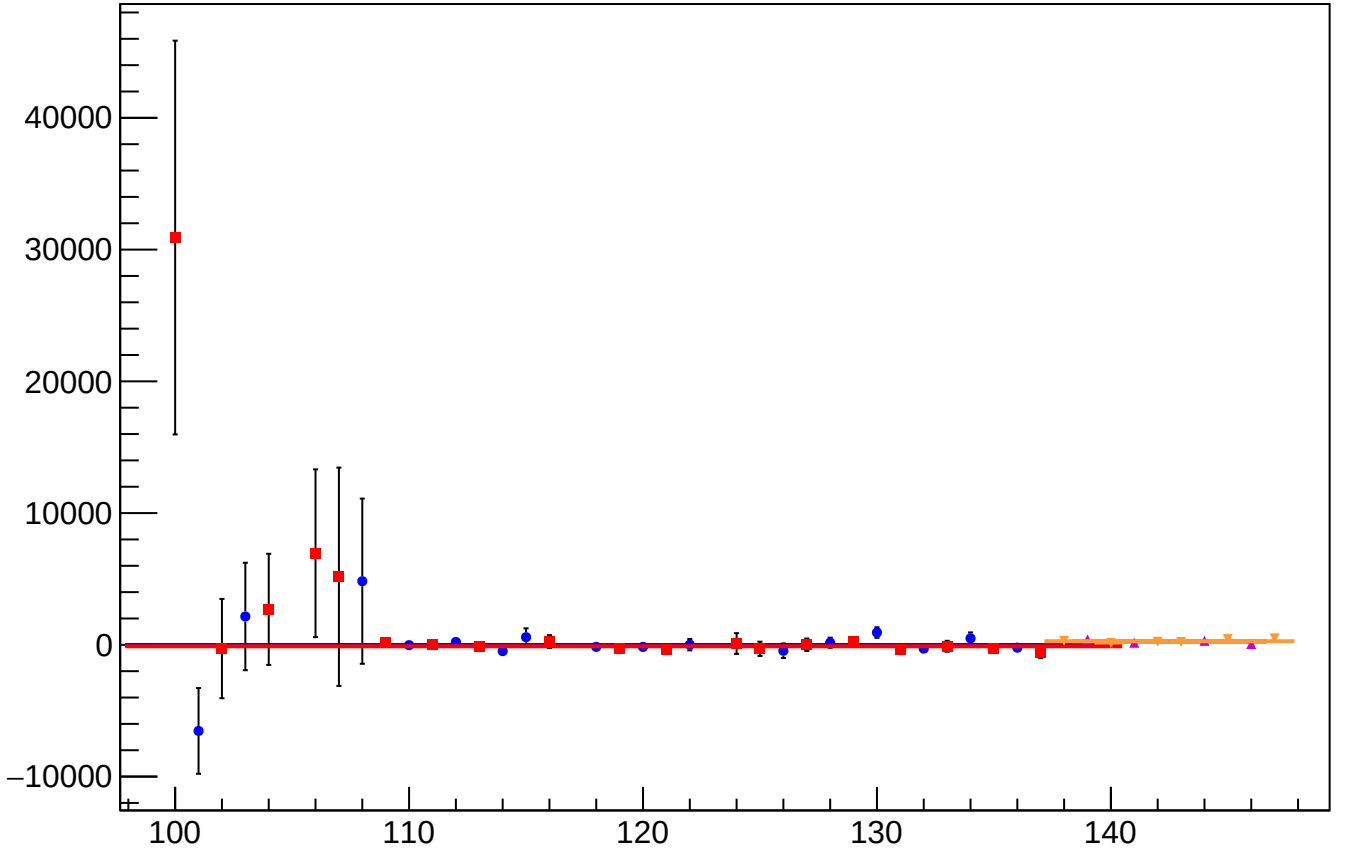
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.235+/-0.005 χ^2/NDF:22916.4/19

Out: 25.285+/-0.005 χ^2/NDF:23985.6/24

All: 25.261+/-0.004 χ^2/NDF: 46946.9/44

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 273.865+/-120.507 χ^2/NDF:1.0/5

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 254.875+/-129.074 χ^2/NDF:1.0/3

Left: 265.021+/-88.084 χ^2/NDF: 2.0/9

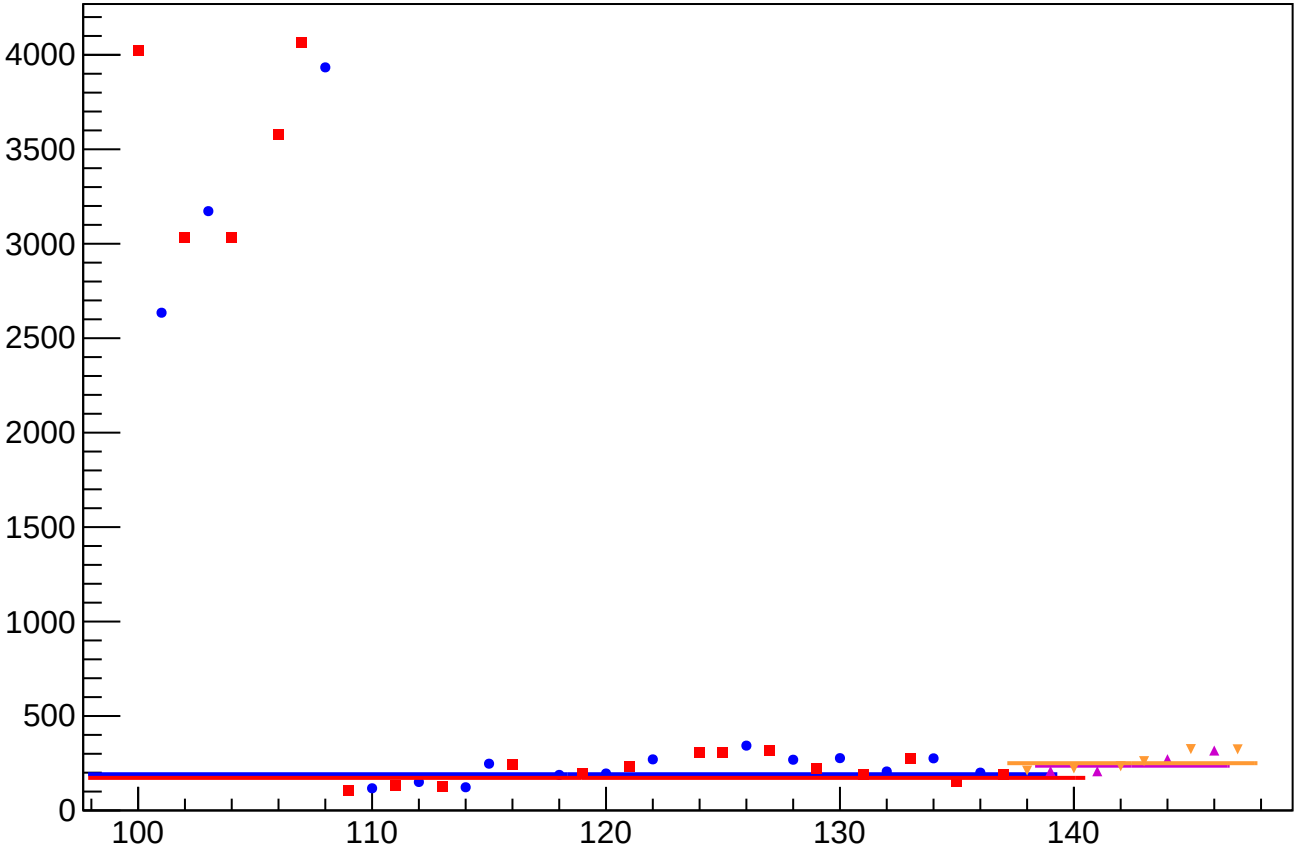
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 65.919+/-70.815 χ^2/NDF:22.4/19

Out: 4.367+/-65.539 χ^2/NDF:22.1/24

All: 32.765+/-48.100 χ^2/NDF: 44.9/44

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: 250.193+/-0.085 χ^2/NDF:254960.2/5

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 236.976+/-0.091 χ^2/NDF:206831.7/3

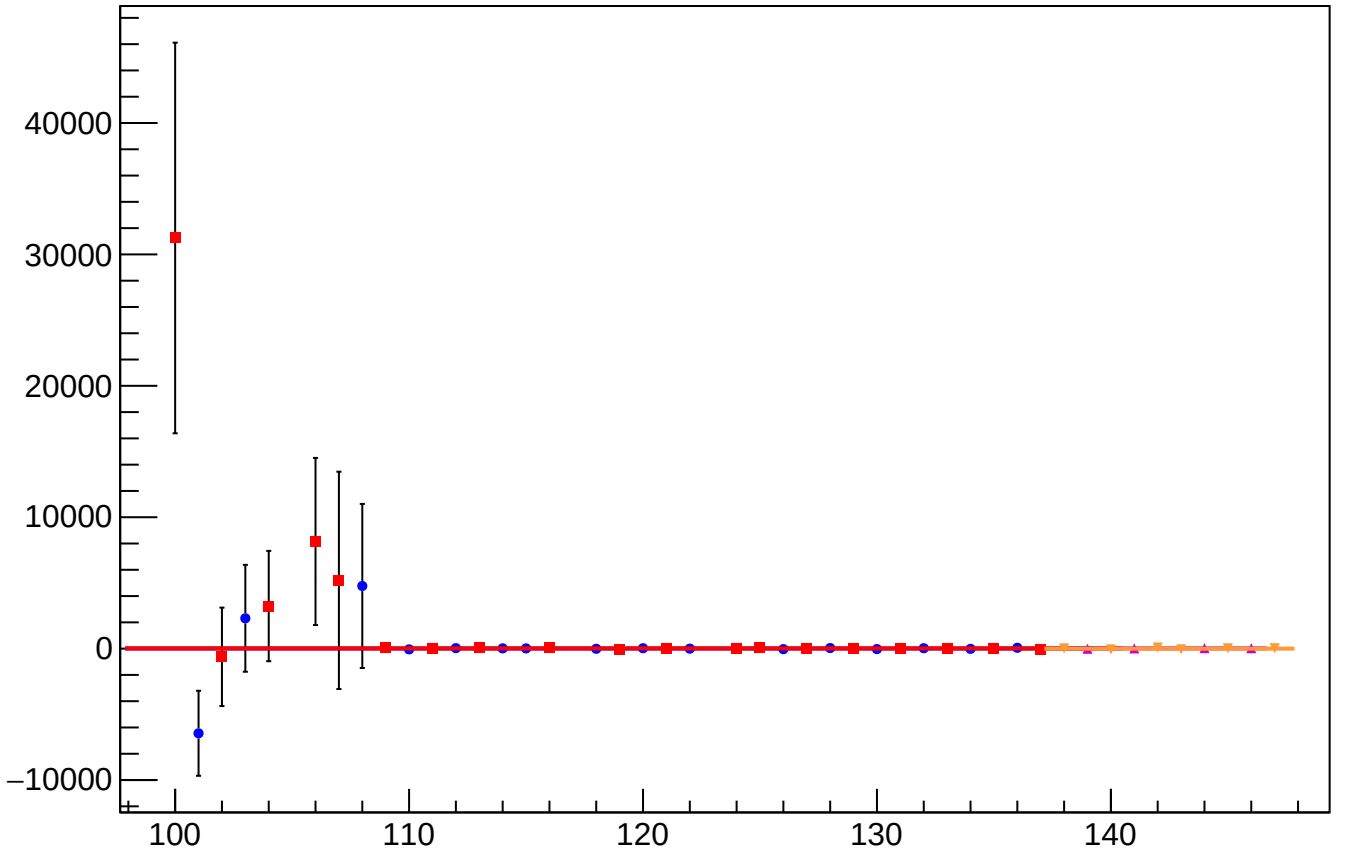
Left: 244.038+/-0.062 χ^2/NDF: 472995.7/9

Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 205.353+/-0.050 χ^2/NDF:4200381.3/19

Out: 195.453+/-0.046 χ^2/NDF:5144084.8/24

All: 200.021+/-0.034 χ^2/NDF: 9365520.0/44



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -0.080+/-13.871 χ^2/NDF:11.0/5

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 18.750+/-15.511 χ^2/NDF:1.4/3

Left: 8.288+/-10.340 χ^2/NDF: 13.2/9

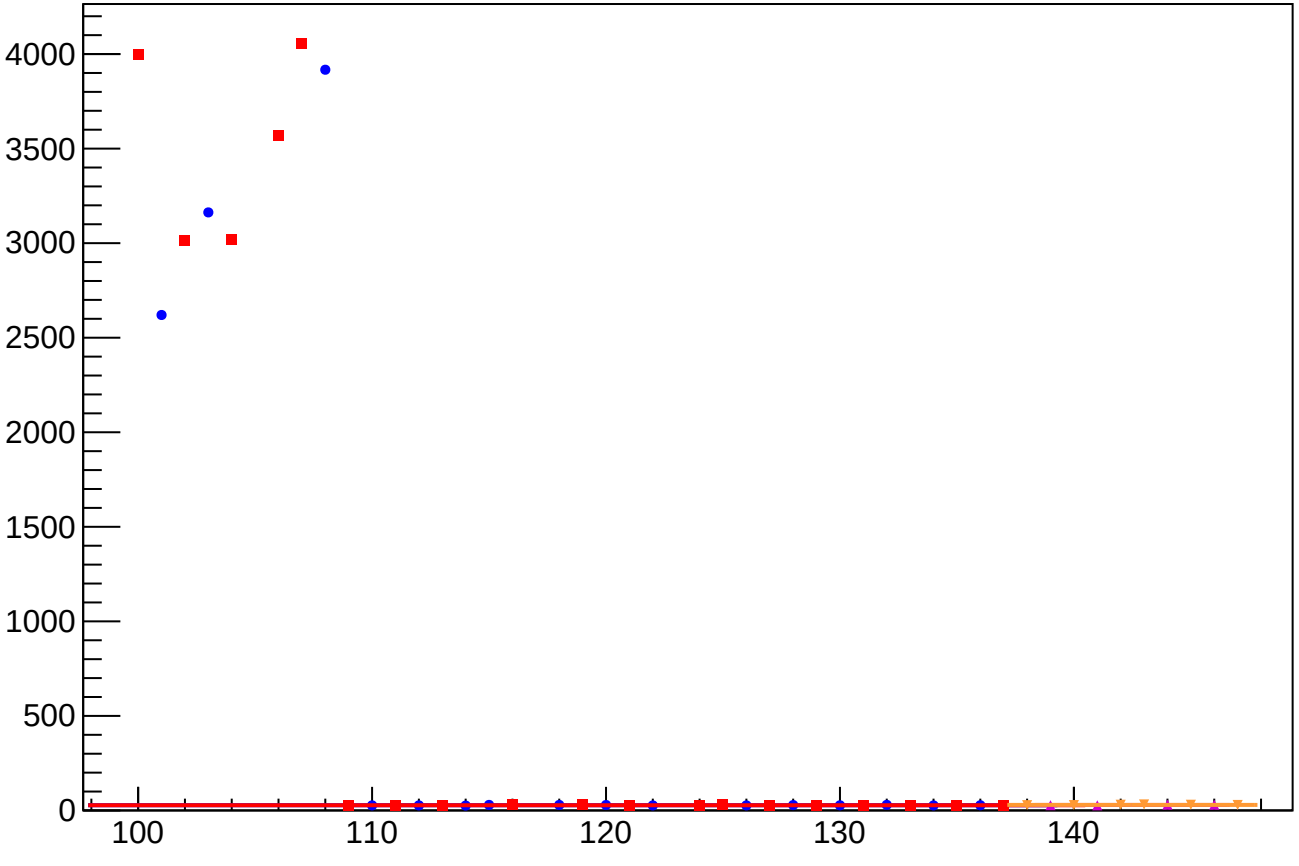
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 12.898+/-9.333 χ^2/NDF:17.6/19

Out: 10.466+/-8.990 χ^2/NDF:36.8/24

All: 11.637+/-6.475 χ^2/NDF: 54.4/44

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: 29.345+/-0.010 χ^2/NDF:17995.6/5

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.050+/-0.011 χ^2/NDF:22675.5/3

Left: 29.214+/-0.007 χ^2/NDF: 41071.7/9

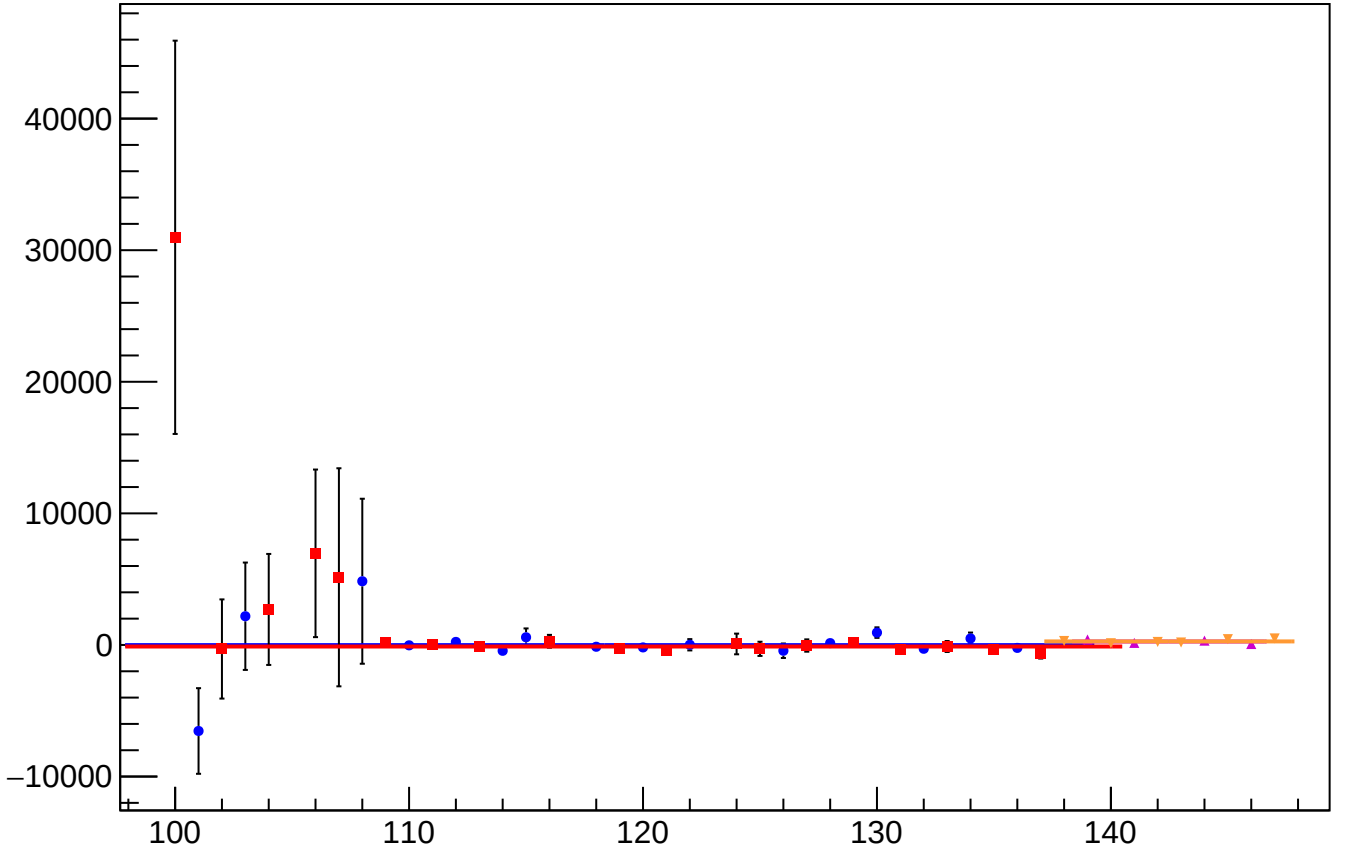
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.152+/-0.007 χ^2/NDF:3298695.3/19

Out: 28.295+/-0.006 χ^2/NDF:3592973.2/24

All: 28.226+/-0.005 χ^2/NDF: 6891913.2/44

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: 269.441+/-120.230 χ^2/NDF:1.1/5

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 261.152+/-128.794 χ^2/NDF:1.0/3

Left: 265.581+/-87.887 χ^2/NDF: 2.1/9

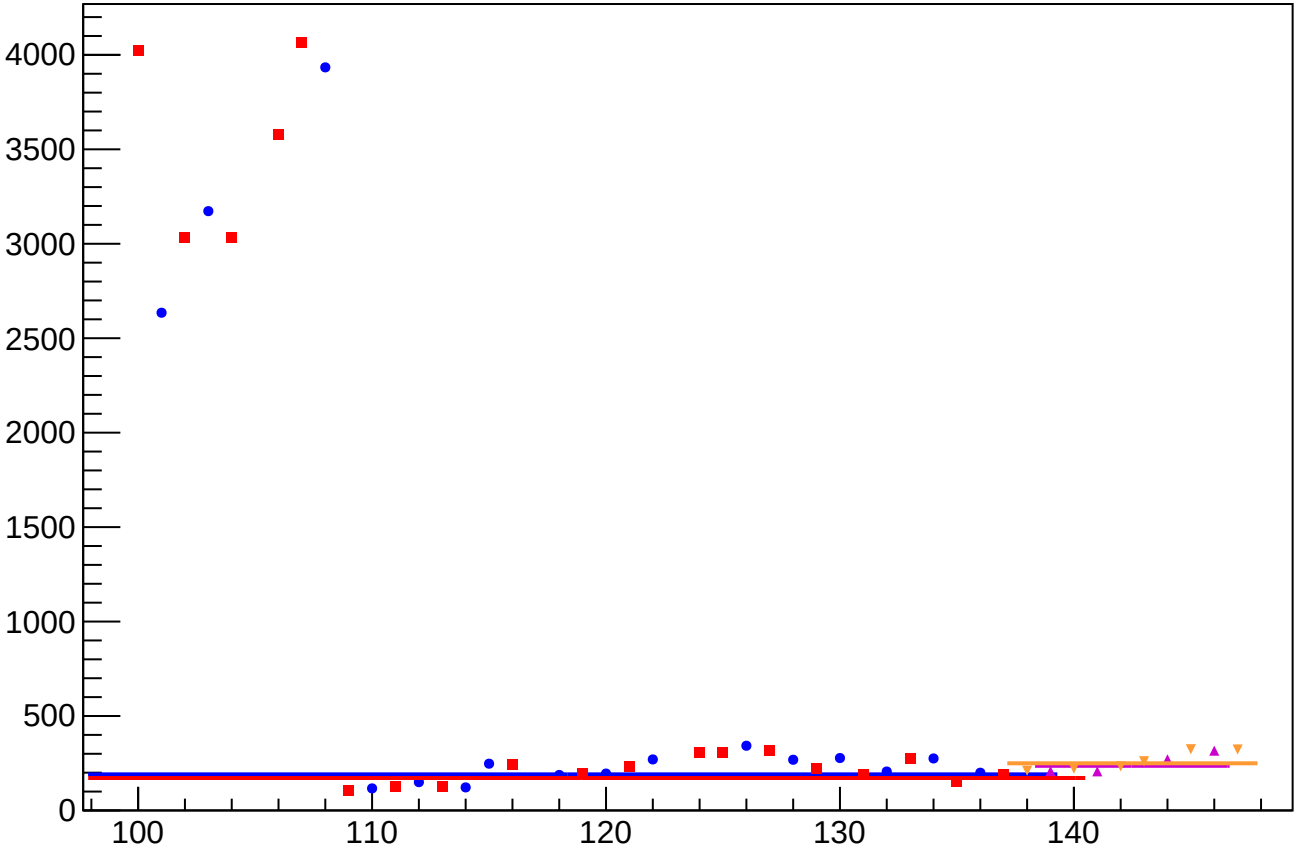
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 69.322+/-70.625 χ^2/NDF:22.5/19

Out: -3.564+/-65.354 χ^2/NDF:22.8/24

All: 30.059+/-47.968 χ^2/NDF: 45.9/44

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: 249.609+/-0.085 χ^2/NDF:255394.0/5

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 236.461+/-0.091 χ^2/NDF:206846.3/3

Left: 243.487+/-0.062 χ^2/NDF: 473378.3/9

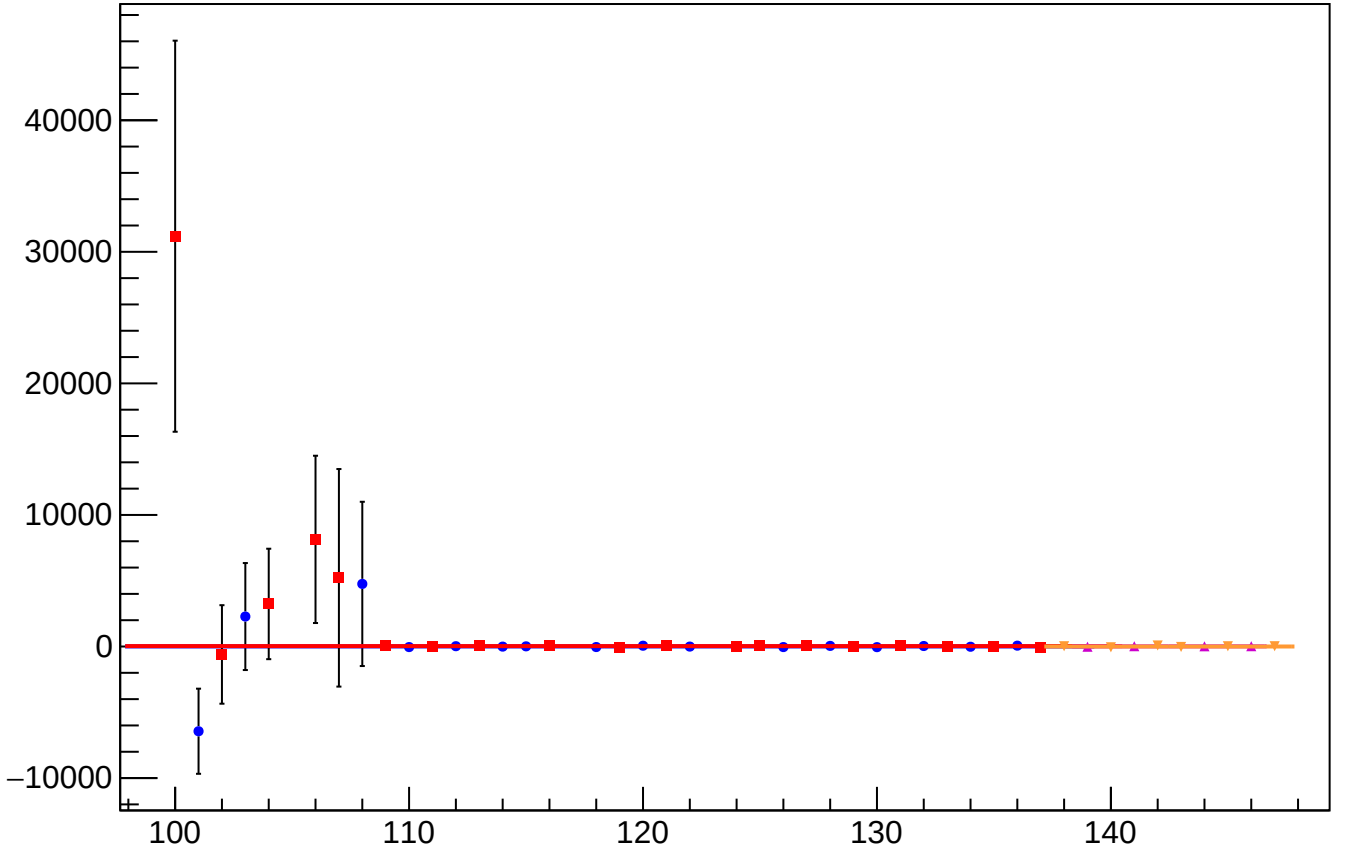
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 204.718+/-0.050 χ^2/NDF:4214517.9/19

Out: 194.816+/-0.046 χ^2/NDF:5159734.7/24

All: 199.384+/-0.034 χ^2/NDF: 9395435.3/44

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: 0.828+/-13.965 χ^2/NDF:8.6/5

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 12.373+/-15.601 χ^2/NDF:1.1/3

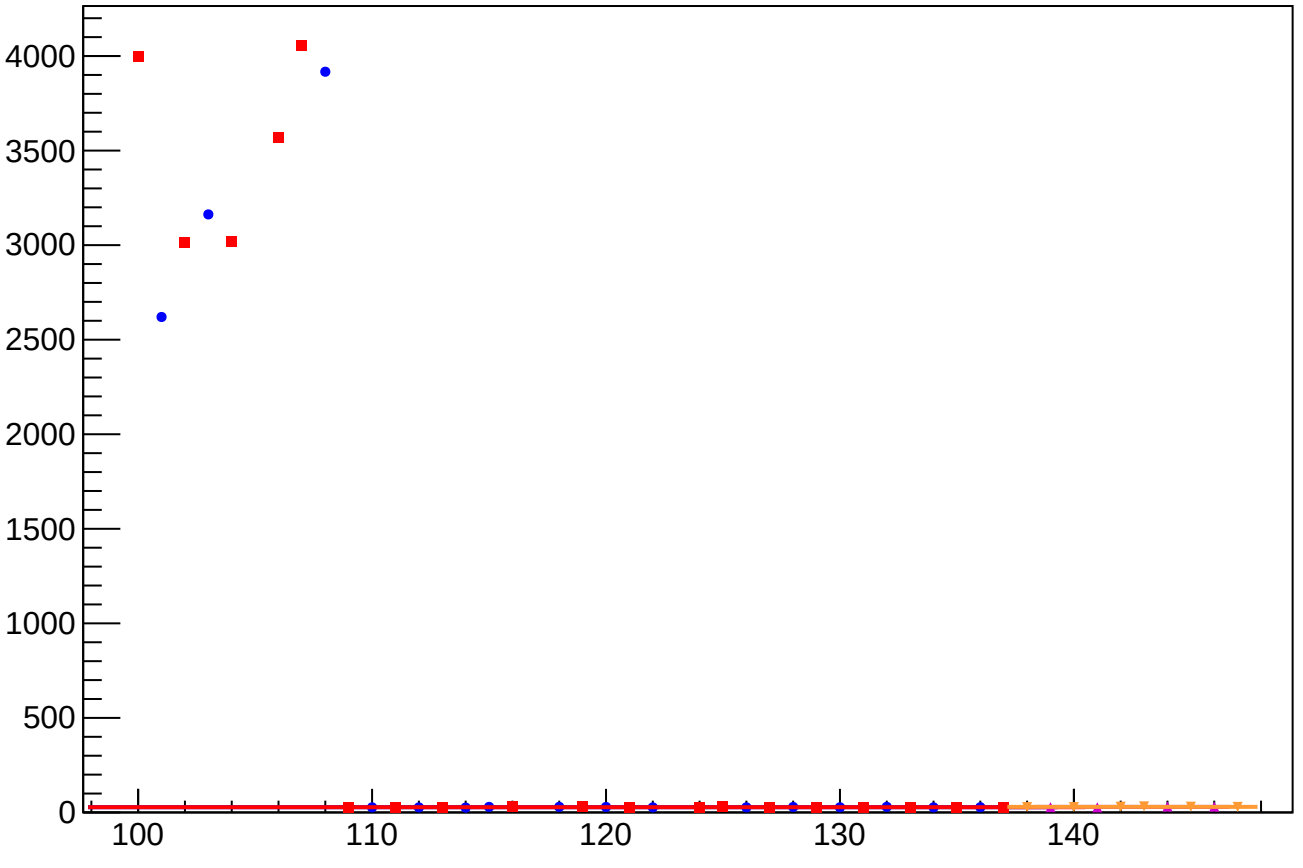
Left: 5.964+/-10.406 χ^2/NDF: 10.0/9

Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 8.623+/-9.393 χ^2/NDF:19.5/19

Out: 18.284+/-9.058 χ^2/NDF:31.1/24

All: 13.628+/-6.520 χ^2/NDF: 51.2/44



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.541+/-0.010 χ^2/NDF:18342.4/5

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.212+/-0.011 χ^2/NDF:24997.6/3

Left: 29.395+/-0.007 χ^2/NDF: 43831.8/9

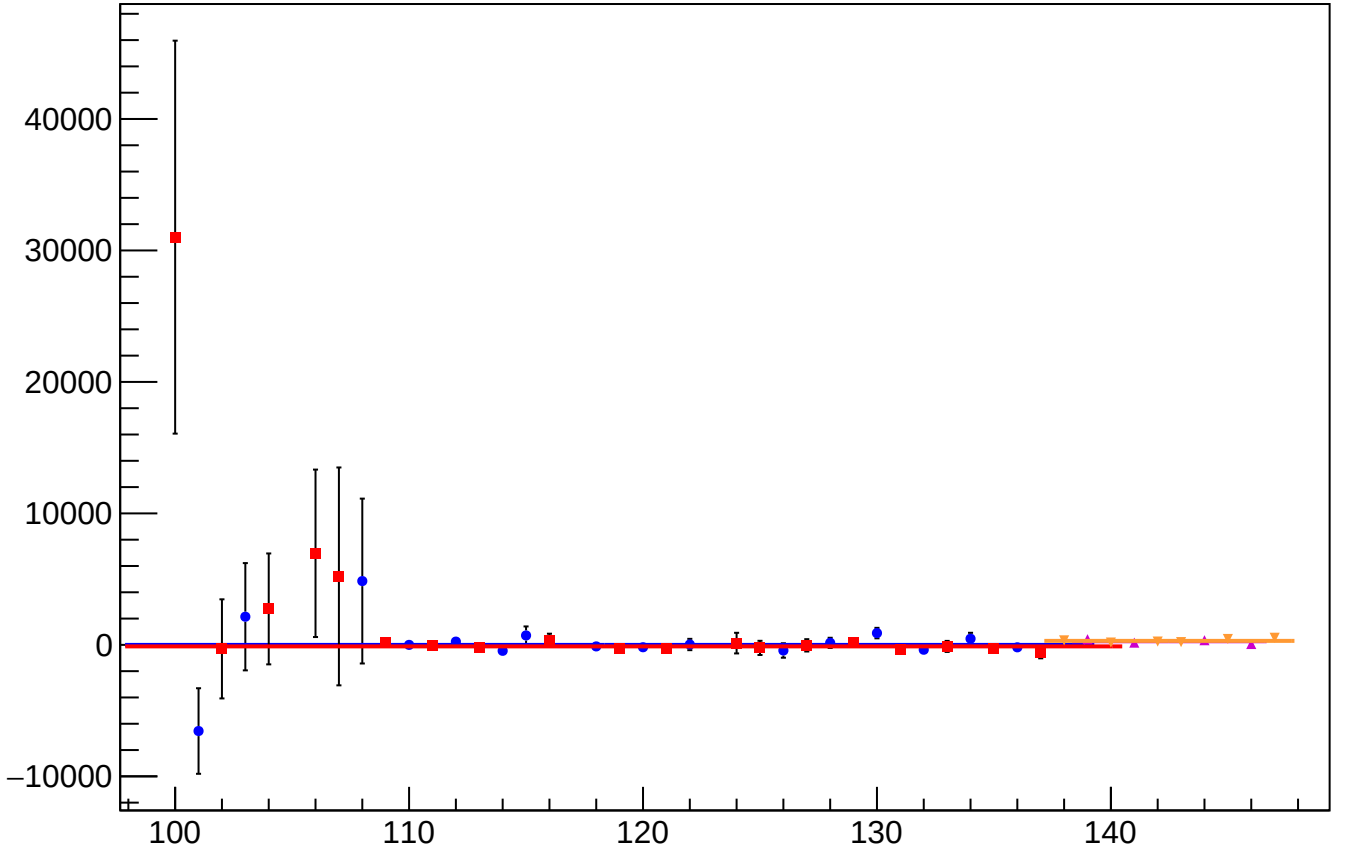
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.328+/-0.007 χ^2/NDF:3300976.0/19

Out: 28.505+/-0.006 χ^2/NDF:3595990.3/24

All: 28.420+/-0.005 χ^2/NDF: 6897336.9/44

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: 303.533+/-121.784 χ^2/NDF:1.0/5

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 274.518+/-130.425 χ^2/NDF:1.1/3

Left: 290.018+/-89.013 χ^2/NDF: 2.2/9

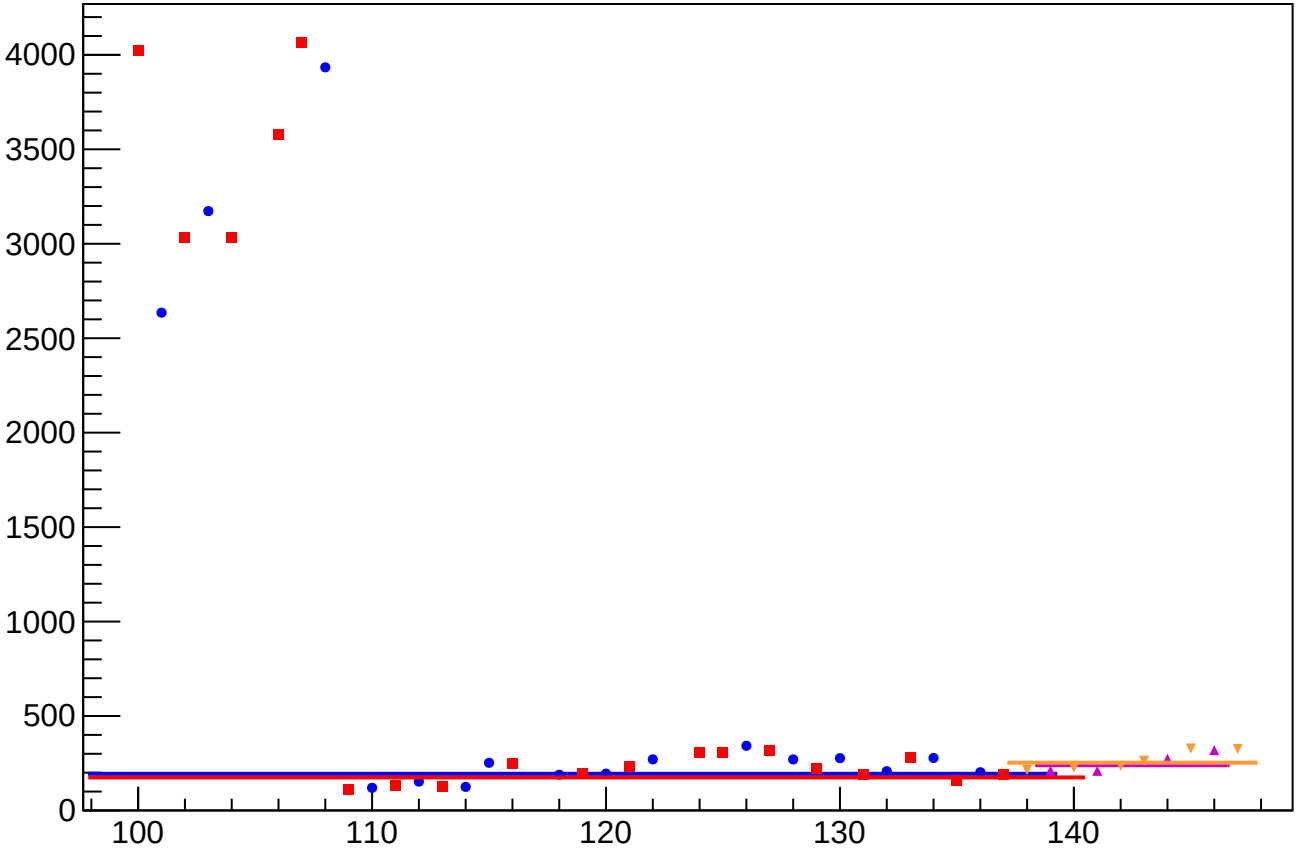
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 80.568+/-71.510 χ^2/NDF:22.5/19

Out: 8.322+/-66.249 χ^2/NDF:23.1/24

All: 41.690+/-48.598 χ^2/NDF: 46.2/44

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 252.951+/-0.086 χ^2/NDF:248966.7/5

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 239.555+/-0.092 χ^2/NDF:203095.3/3

Left: 246.711+/-0.063 χ^2/NDF: 463332.9/9

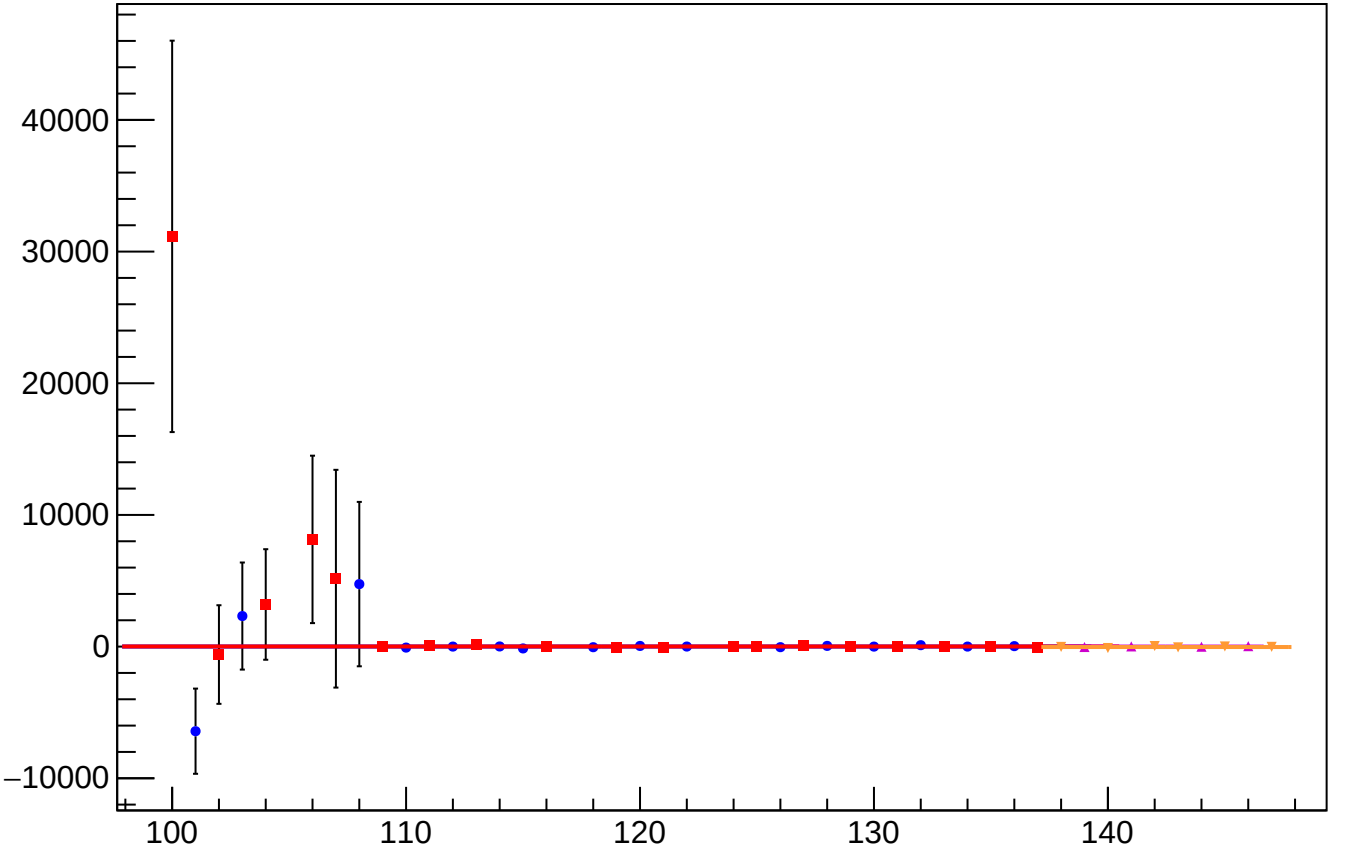
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 207.657+/-0.051 χ^2/NDF:4158610.4/19

Out: 197.912+/-0.047 χ^2/NDF:5088474.0/24

All: 202.413+/-0.034 χ^2/NDF: 9267071.8/44

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: -32.656+/-16.519 χ^2/NDF:7.6/5

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 3.241+/-18.527 χ^2/NDF:1.7/3

Left: -16.757+/-12.330 χ^2/NDF: 11.4/9

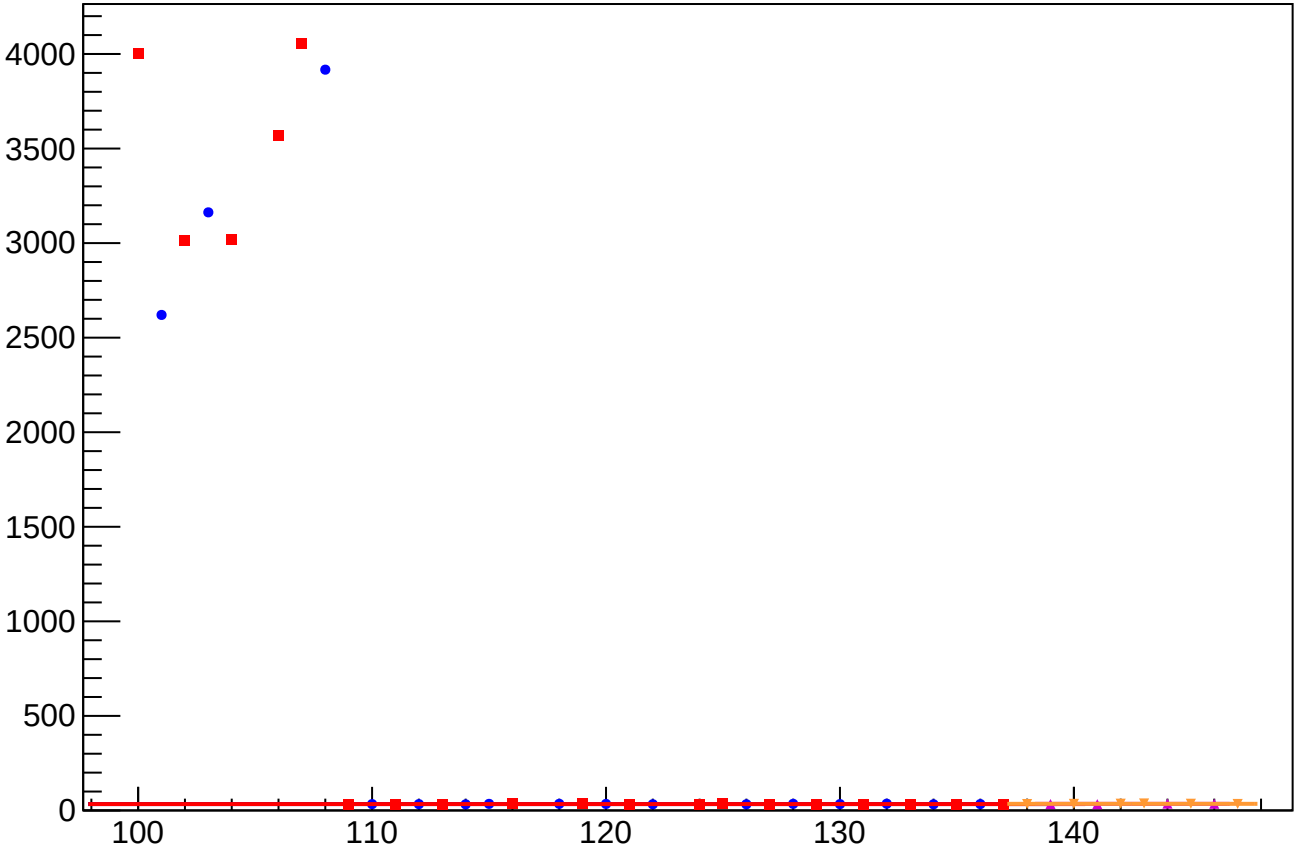
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 4.757+/-11.323 χ^2/NDF:19.1/19

Out: -8.464+/-10.869 χ^2/NDF:34.8/24

All: -2.124+/-7.841 χ^2/NDF: 54.7/44

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: 35.020+/-0.012 χ^2/NDF:7361.2/5

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.767+/-0.013 χ^2/NDF:6764.5/3

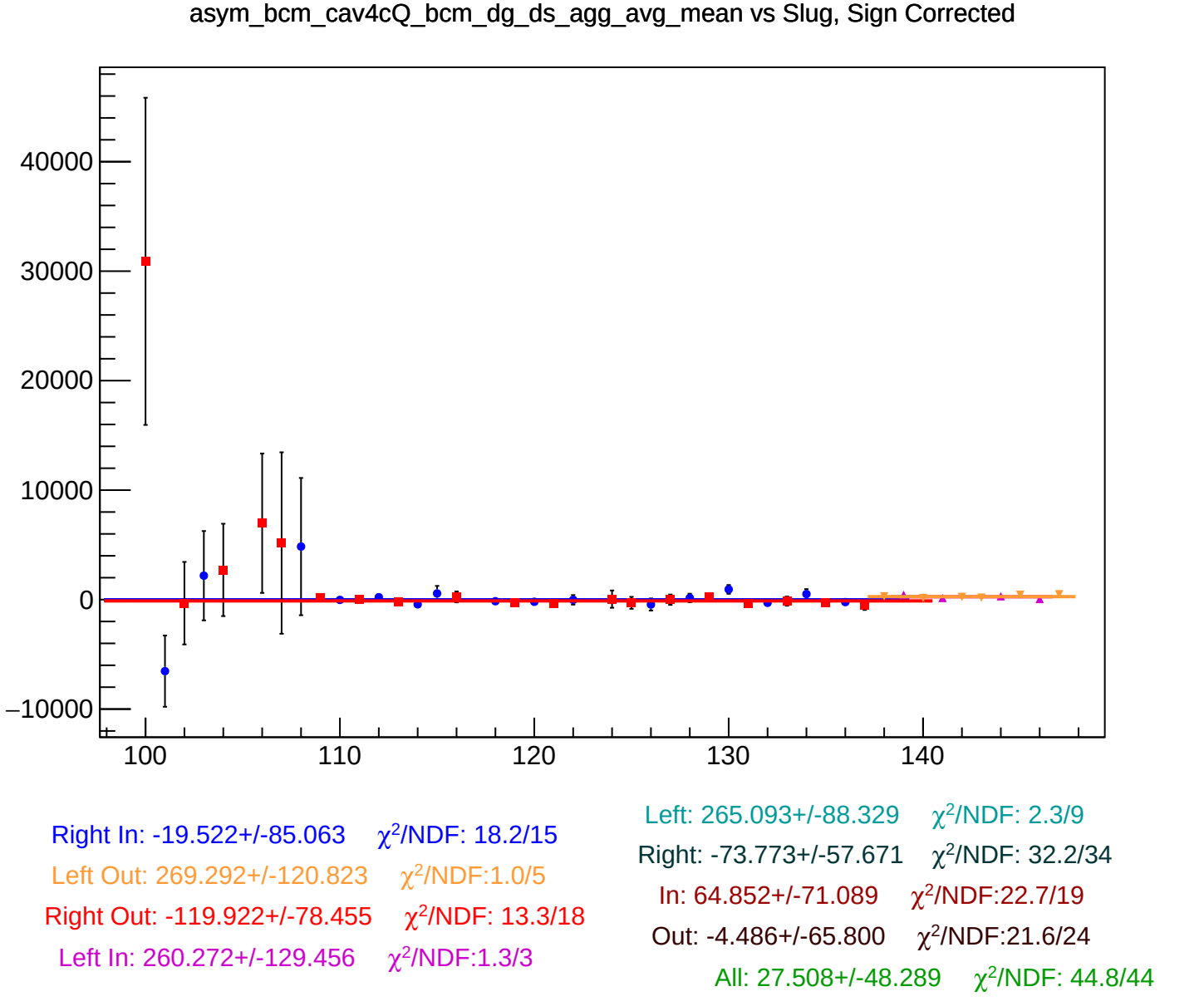
Left: 34.908+/-0.009 χ^2/NDF: 14332.7/9

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

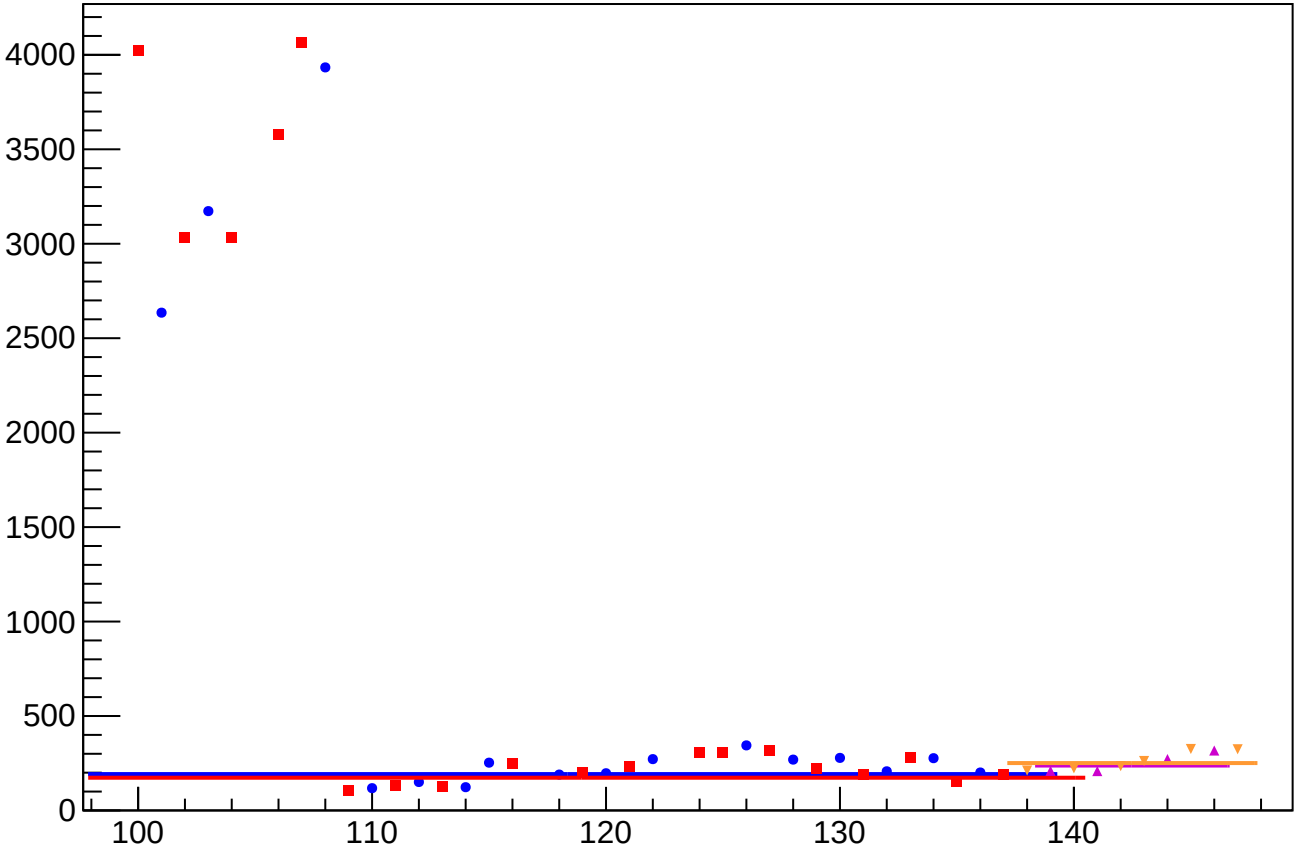
In: 34.224+/-0.008 χ^2/NDF:3253896.5/19

Out: 34.286+/-0.008 χ^2/NDF:3540781.9/24

All: 34.256+/-0.006 χ^2/NDF: 6794710.1/44


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
Right In: -19.522+/-85.063 χ²/NDF: 18.2/15
Left Out: 269.292+/-120.823 χ²/NDF:1.0/5
Right Out: -119.922+/-78.455 χ²/NDF: 13.3/18
Left In: 260.272+/-129.456 χ²/NDF:1.3/3
Left: 265.093+/-88.329 χ²/NDF: 2.3/9
Right: -73.773+/-57.671 χ²/NDF: 32.2/34
In: 64.852+/-71.089 χ²/NDF:22.7/19
Out: -4.486+/-65.800 χ²/NDF:21.6/24
All: 27.508+/-48.289 χ²/NDF: 44.8/44

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 250.865+/-0.085 χ^2/NDF:254056.6/5

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 237.732+/-0.092 χ^2/NDF:204252.9/3

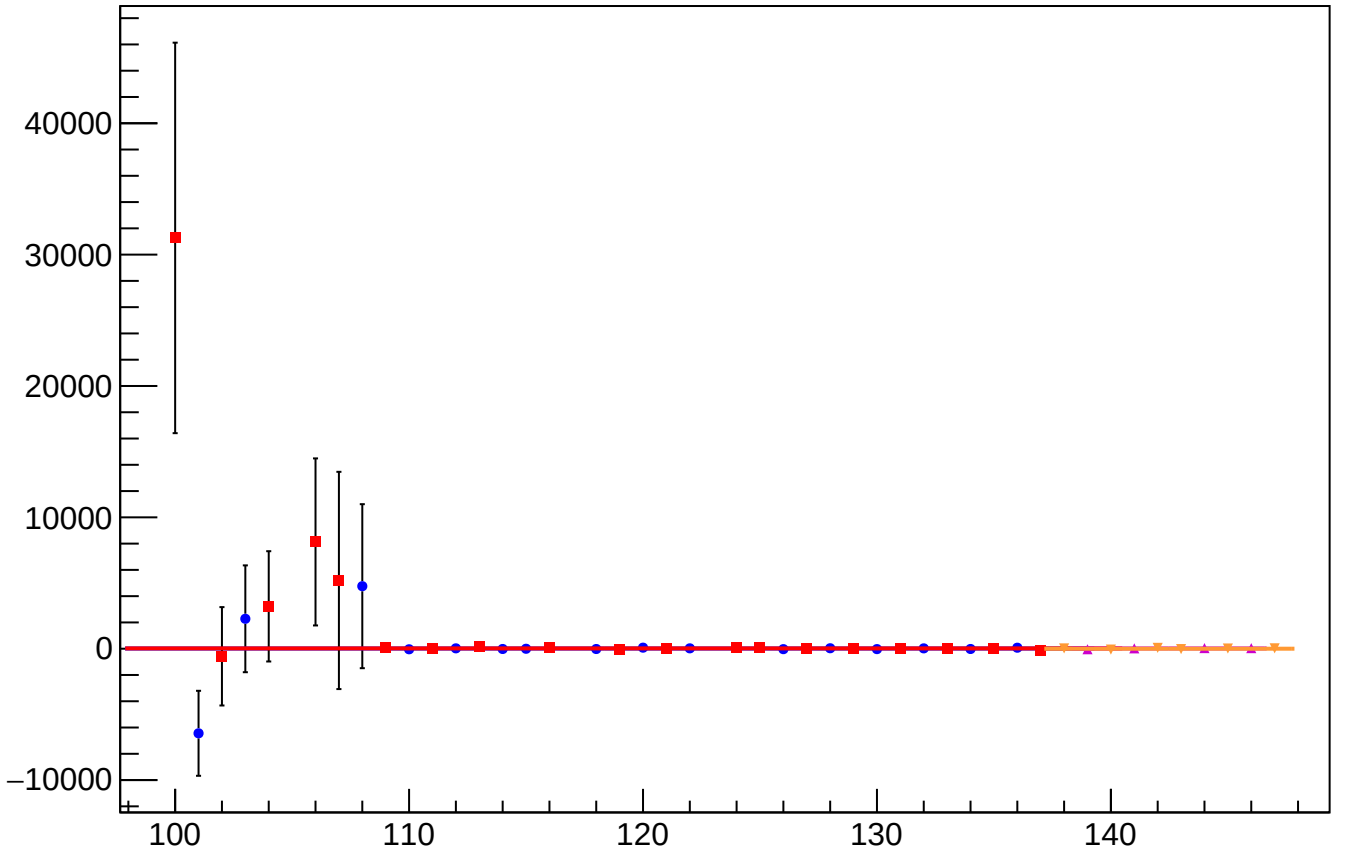
Left: 244.751+/-0.062 χ^2/NDF: 469310.8/9

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 206.182+/-0.050 χ^2/NDF:4197120.5/19

Out: 196.269+/-0.047 χ^2/NDF:5142032.7/24

All: 200.843+/-0.034 χ^2/NDF: 9360098.3/44



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 0.031+/-15.209 χ^2/NDF:7.4/5

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 18.422+/-16.965 χ^2/NDF:4.3/3

Left: 8.226+/-11.325 χ^2/NDF: 12.4/9

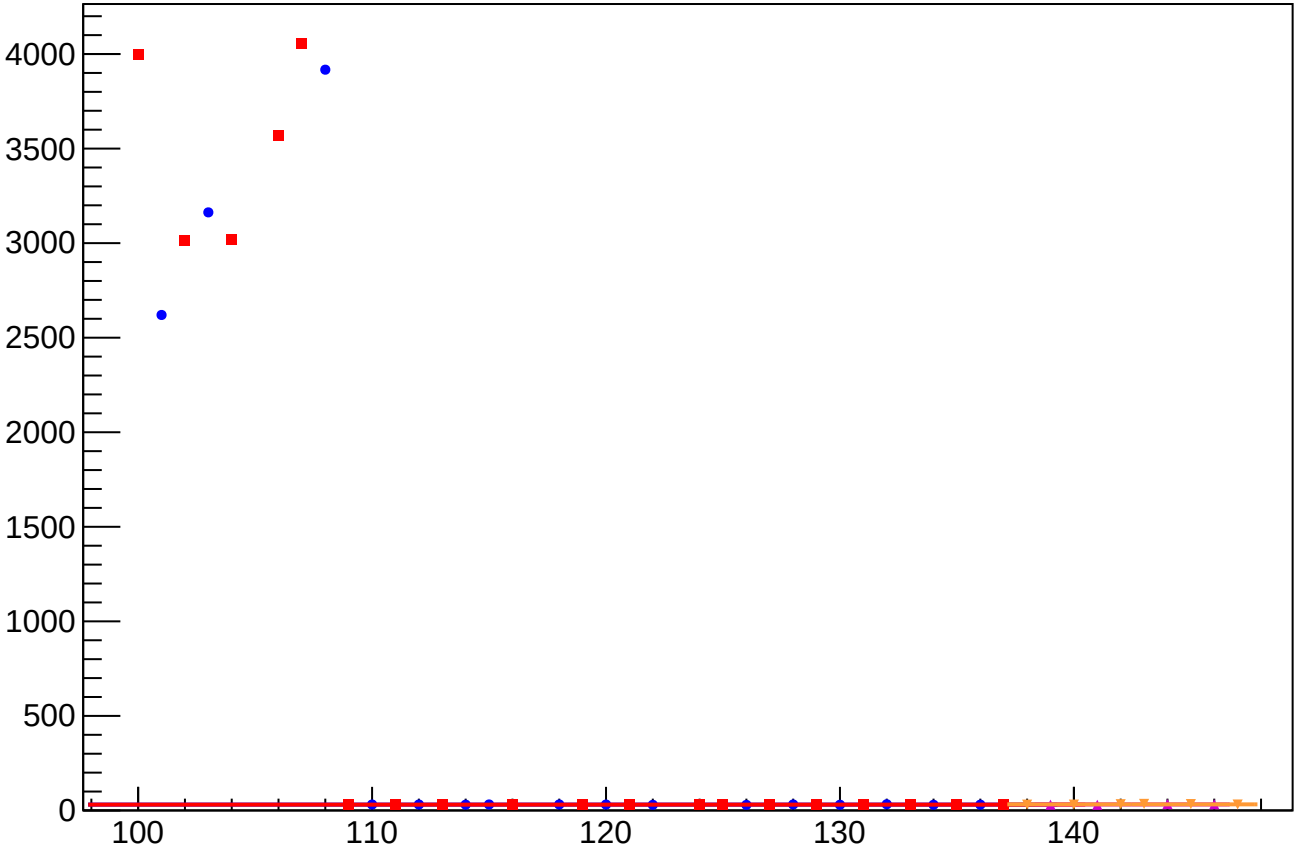
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 15.466+/-10.350 χ^2/NDF:19.8/19

Out: 13.279+/-9.961 χ^2/NDF:37.4/24

All: 14.331+/-7.177 χ^2/NDF: 57.3/44

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: 32.195+/-0.011 χ^2/NDF:19166.9/5

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.803+/-0.012 χ^2/NDF:17552.1/3

Left: 32.021+/-0.008 χ^2/NDF: 37311.0/9

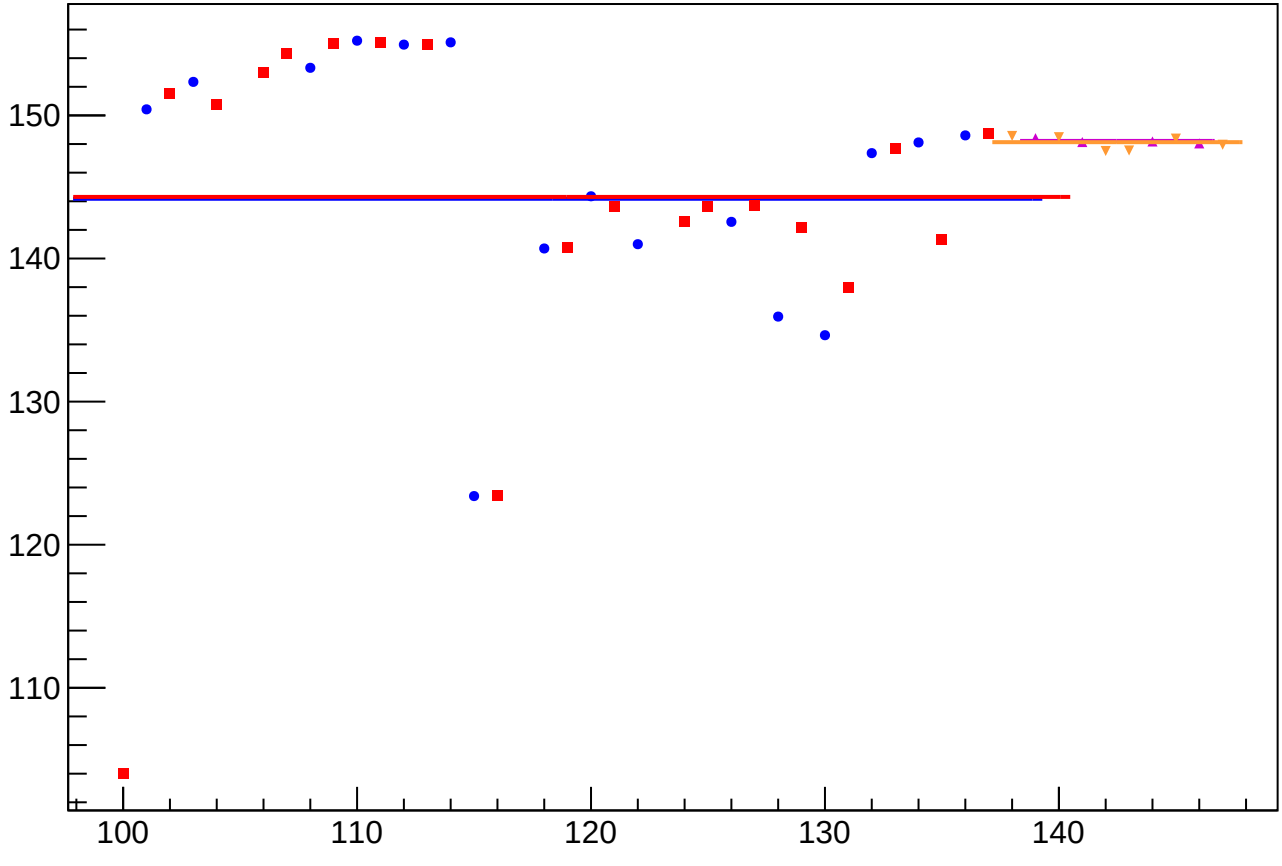
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.254+/-0.007 χ^2/NDF:3273500.7/19

Out: 31.385+/-0.007 χ^2/NDF:3565337.3/24

All: 31.322+/-0.005 χ^2/NDF: 6839005.2/44

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.131+/-0.000 χ^2/NDF:7852915.0/5

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.217+/-0.000 χ^2/NDF:423982.5/3

Left: 148.168+/-0.000 χ^2/NDF: 8403209.8/9

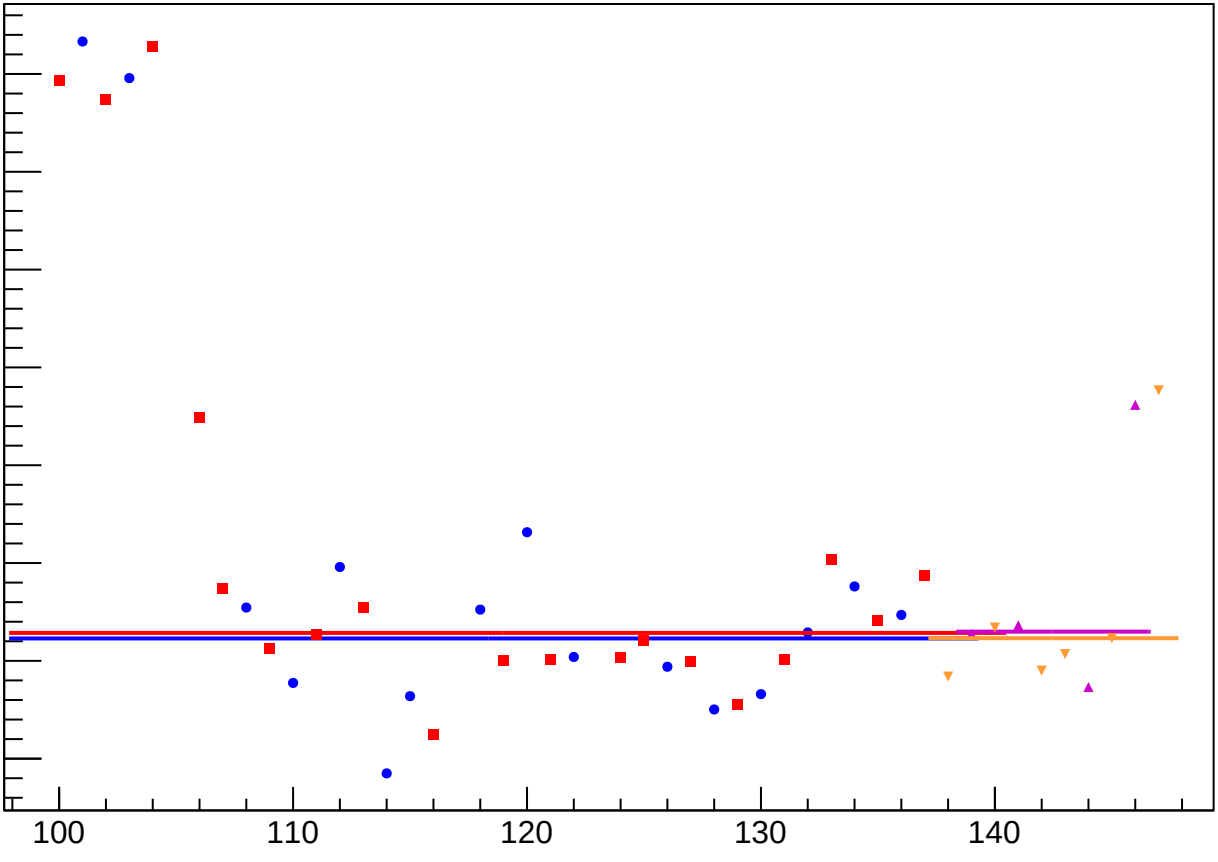
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.550+/-0.000 χ^2/NDF:4042016776.5/19

Out: 145.875+/-0.000 χ^2/NDF:4611698916.3/24

All: 145.721+/-0.000 χ^2/NDF: 8658522509.6

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.323+/-0.000 χ^2/NDF:343177.3/5

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.330+/-0.000 χ^2/NDF:362901.2/3

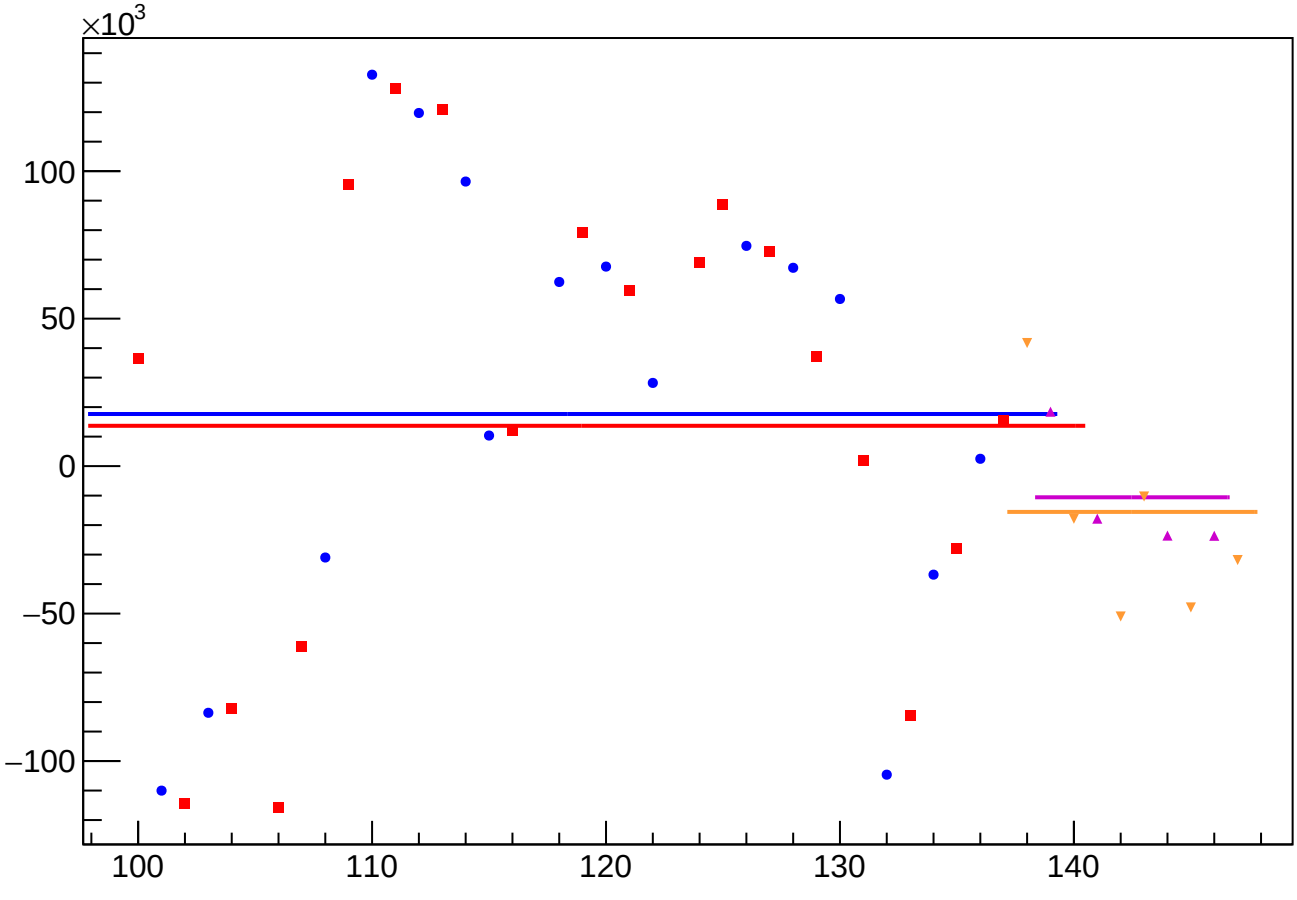
Left: 0.326+/-0.000 χ^2/NDF: 707595.6/9

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.325+/-0.000 χ^2/NDF:1760813.3/19

Out: 0.326+/-0.000 χ^2/NDF:1648687.1/24

All: 0.326+/-0.000 χ^2/NDF: 3409606.9/44



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -15527.284+/-2.439 χ^2/NDF:177325290.8/5

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -10573.806+/-2.783 χ^2/NDF:41837672.0/3

Left: -13374.928+/-1.834 χ^2/NDF: 220954843.2/9

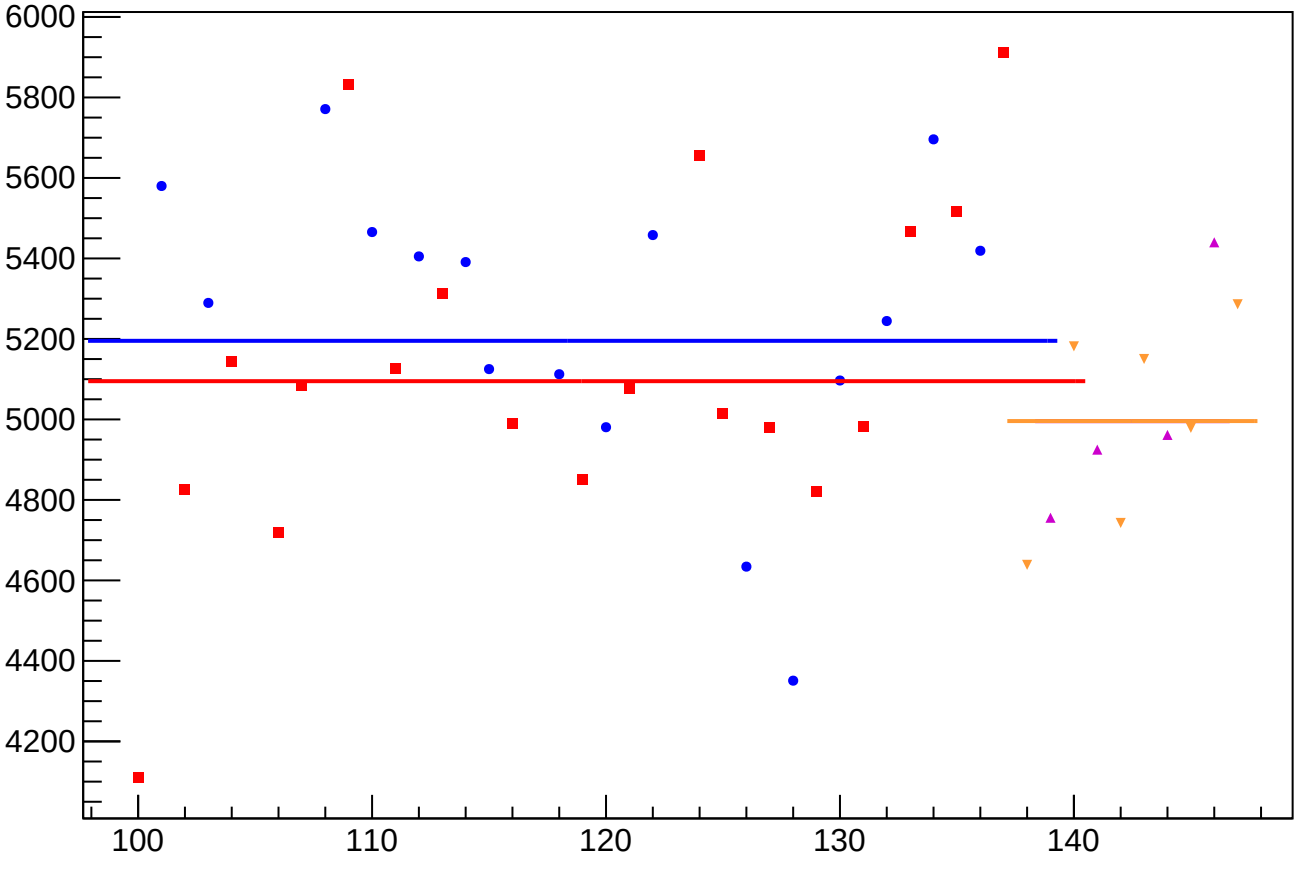
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 8010.586+/-1.627 χ^2/NDF:1508347224.0/19

Out: 2462.995+/-1.511 χ^2/NDF:2122557598.3/24

All: 5032.135+/-1.107 χ^2/NDF: 3637146738.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4995.909+/-1.725 χ^2/NDF:19192.9/5

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4995.675+/-1.968 χ^2/NDF:15144.4/3

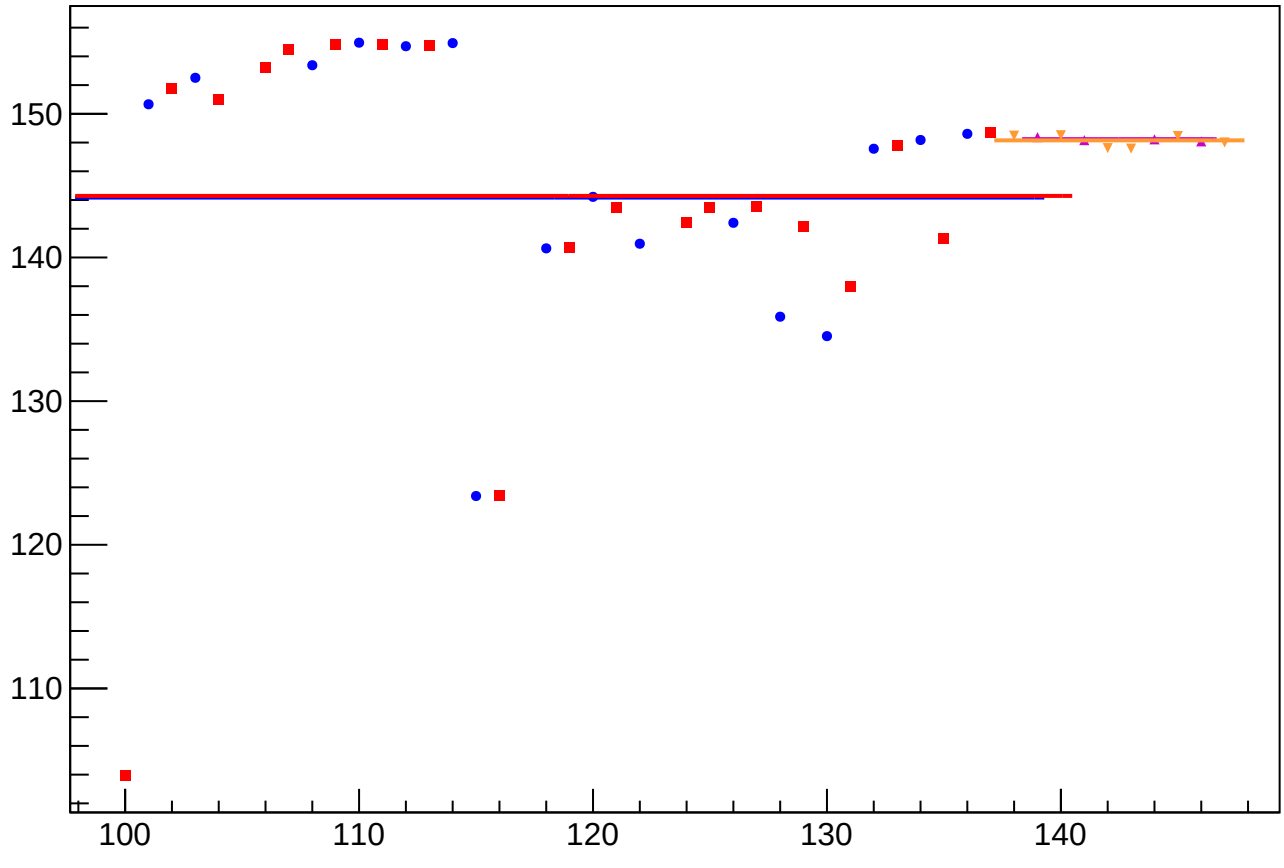
Left: 4995.807+/-1.297 χ^2/NDF: 34337.4/9

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5127.056+/-1.150 χ^2/NDF:99084.3/19

Out: 5057.002+/-1.068 χ^2/NDF:80340.8/24

All: 5089.445+/-0.783 χ^2/NDF: 181415.8/44



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.153+/-0.000 χ^2/NDF:6902540.0/5

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 148.238+/-0.000 χ^2/NDF:253000.9/3

Left: 148.189+/-0.000 χ^2/NDF: 7276404.3/9

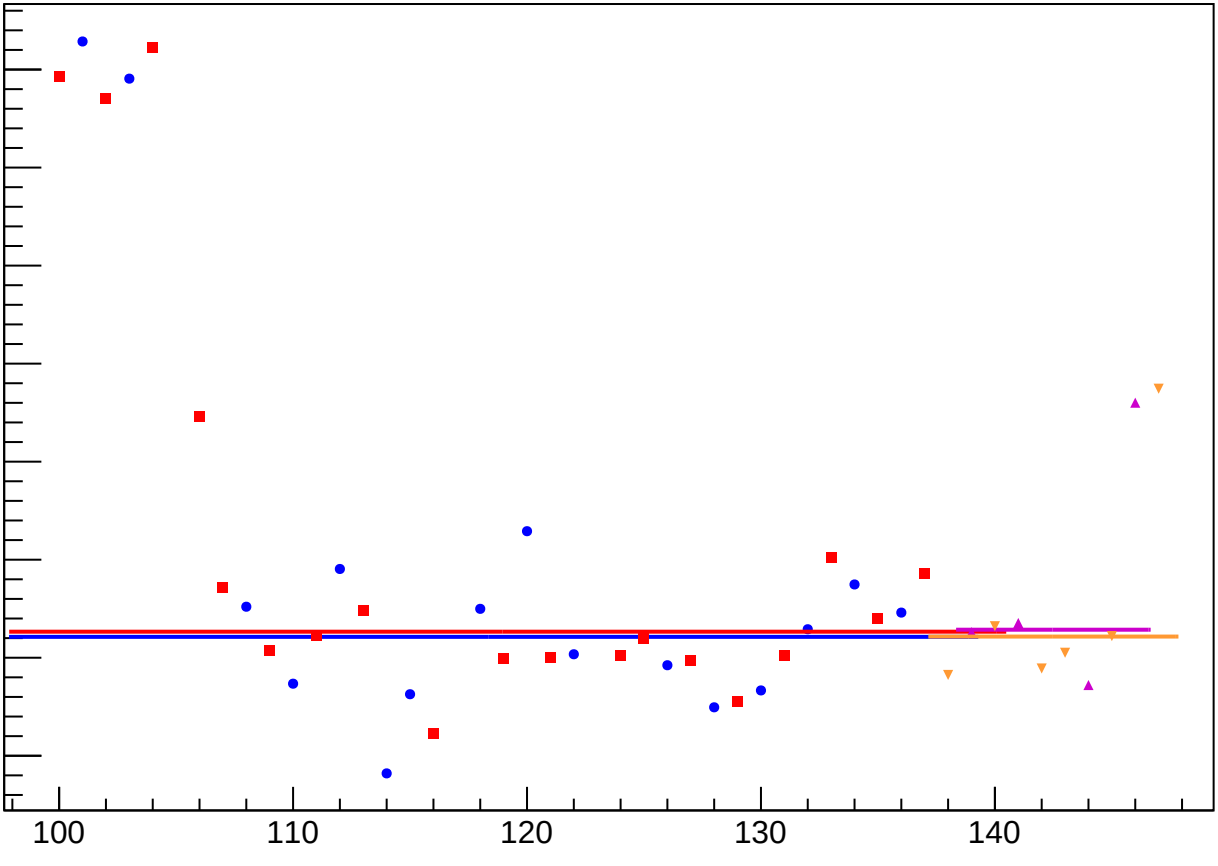
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.552+/-0.000 χ^2/NDF:4088516300.0/19

Out: 145.872+/-0.000 χ^2/NDF:4647435102.7/24

All: 145.720+/-0.000 χ^2/NDF: 8740657204.1

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.322+/-0.000 χ^2/NDF:343977.9/5

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.329+/-0.000 χ^2/NDF:364067.3/3

Left: 0.325+/-0.000 χ^2/NDF: 709704.4/9

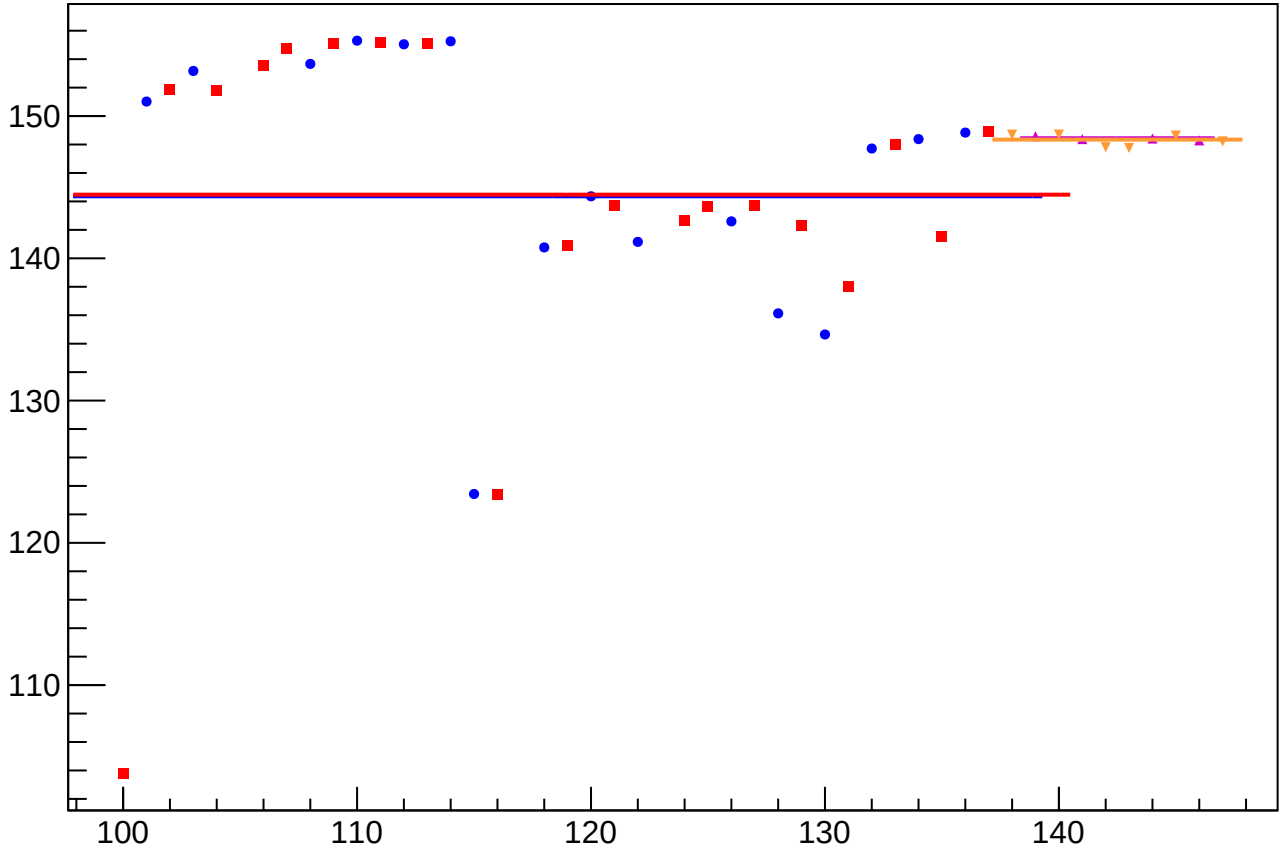
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.324+/-0.000 χ^2/NDF:1762396.4/19

Out: 0.325+/-0.000 χ^2/NDF:1647869.0/24

All: 0.324+/-0.000 χ^2/NDF: 3410317.7/44

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.346+/-0.000 χ^2/NDF:6924285.9/5

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 148.441+/-0.000 χ^2/NDF:239191.8/3

Left: 148.386+/-0.000 χ^2/NDF: 7313745.5/9

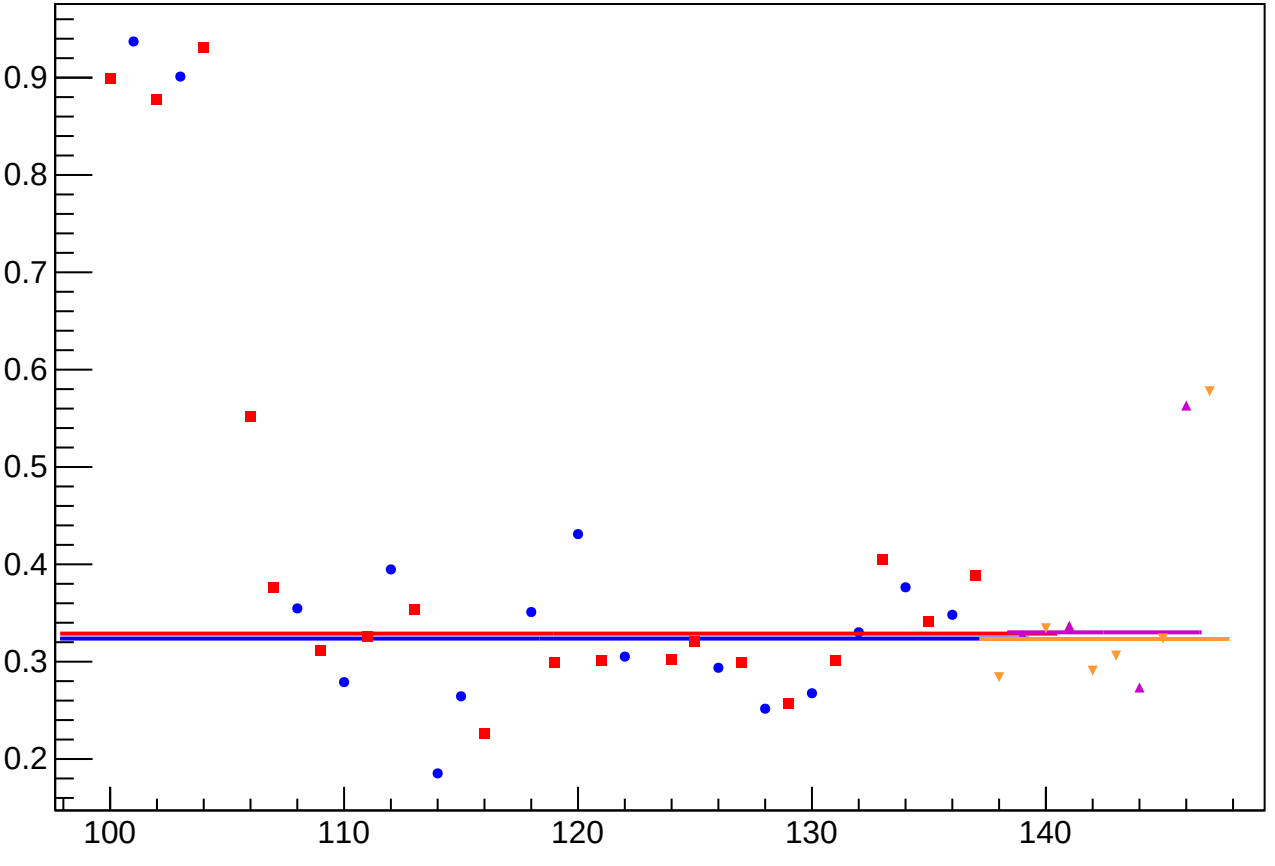
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 145.750+/-0.000 χ^2/NDF:4080828263.9/19

Out: 146.065+/-0.000 χ^2/NDF:4635844902.7/24

All: 145.915+/-0.000 χ^2/NDF: 8721160842.1

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.323+/-0.000 χ^2/NDF:344438.5/5

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.330+/-0.000 χ^2/NDF:364172.7/3

Left: 0.326+/-0.000 χ^2/NDF: 710163.8/9

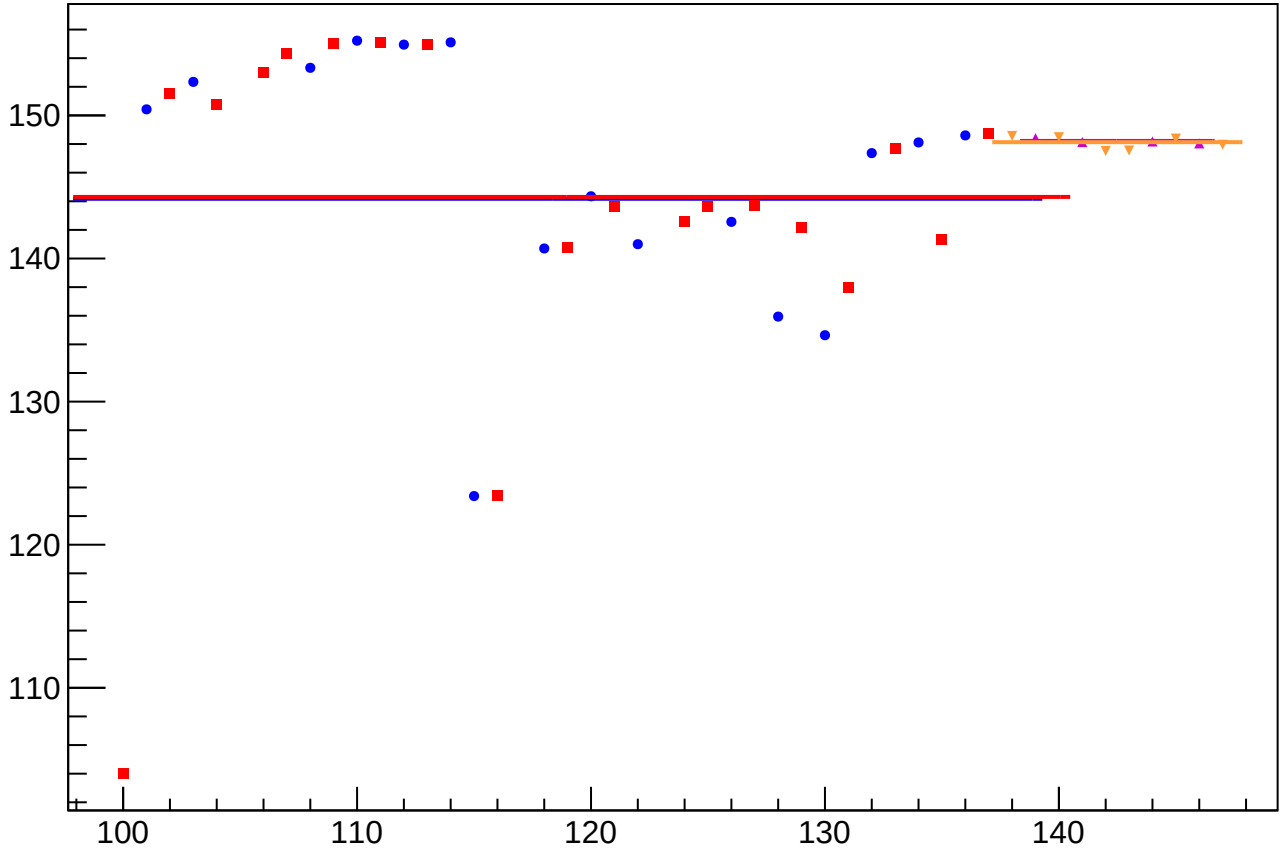
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.326+/-0.000 χ^2/NDF:1758144.5/19

Out: 0.327+/-0.000 χ^2/NDF:1649054.4/24

All: 0.326+/-0.000 χ^2/NDF: 3407239.3/44

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.131+/-0.000 χ^2/NDF:7852915.0/5

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.217+/-0.000 χ^2/NDF:423982.5/3

Left: 148.168+/-0.000 χ^2/NDF: 8403209.8/9

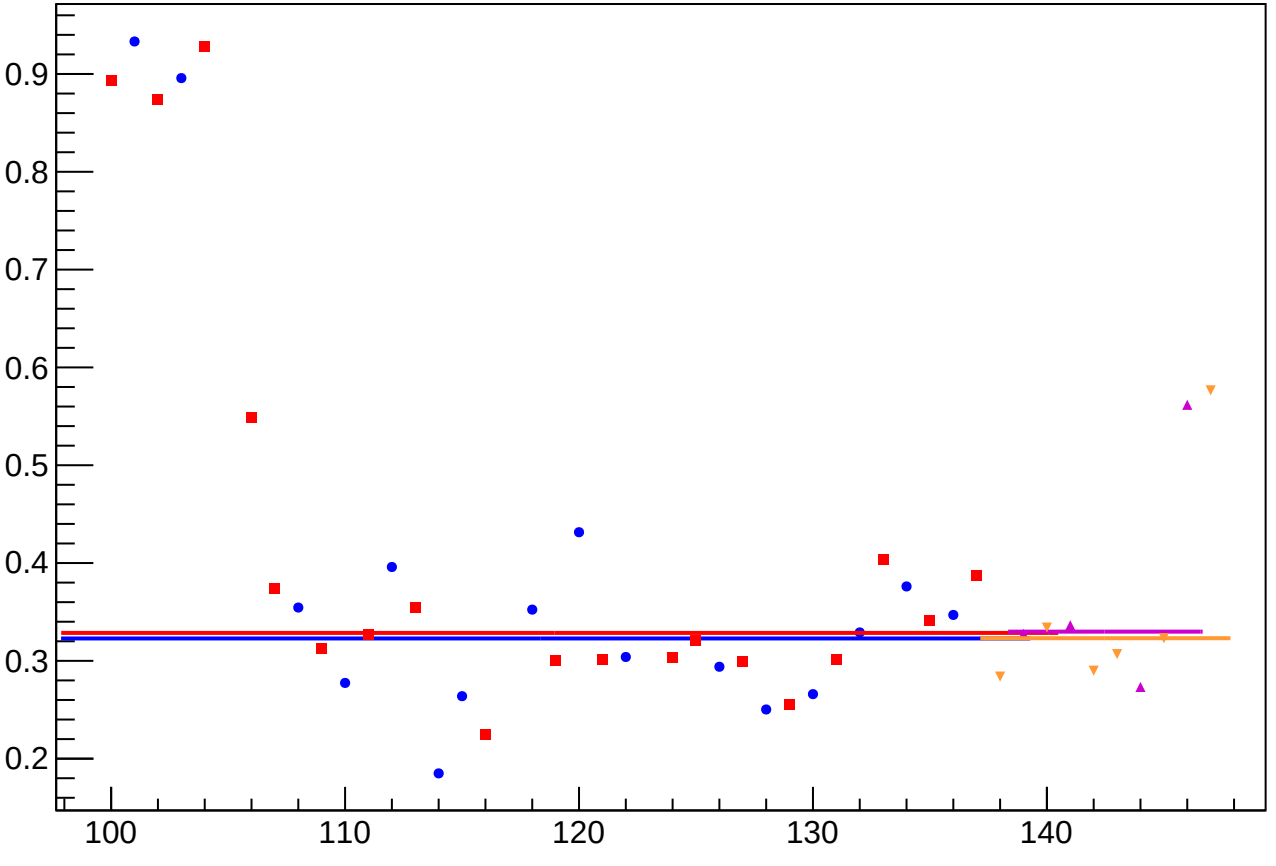
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.550+/-0.000 χ^2/NDF:4042016776.5/19

Out: 145.875+/-0.000 χ^2/NDF:4611698916.3/24

All: 145.721+/-0.000 χ^2/NDF: 8658522509.6

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.323+/-0.000 χ^2/NDF:343177.3/5

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.330+/-0.000 χ^2/NDF:362901.2/3

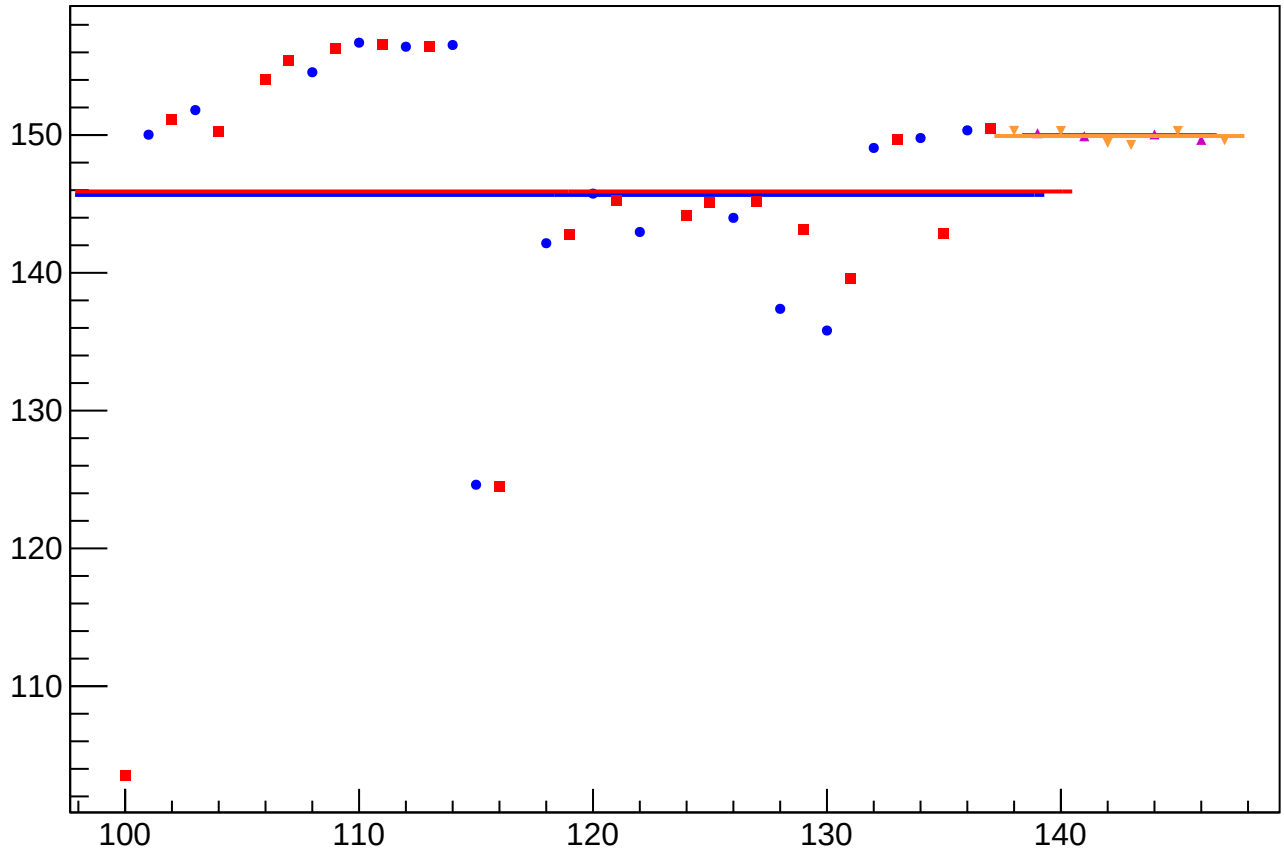
Left: 0.326+/-0.000 χ^2/NDF: 707595.6/9

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.325+/-0.000 χ^2/NDF:1760813.3/19

Out: 0.326+/-0.000 χ^2/NDF:1648687.1/24

All: 0.326+/-0.000 χ^2/NDF: 3409606.9/44



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.929+/-0.000 χ^2/NDF:7033387.5/5

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 149.998+/-0.000 χ^2/NDF:483529.1/3

Left: 149.958+/-0.000 χ^2/NDF: 7586032.9/9

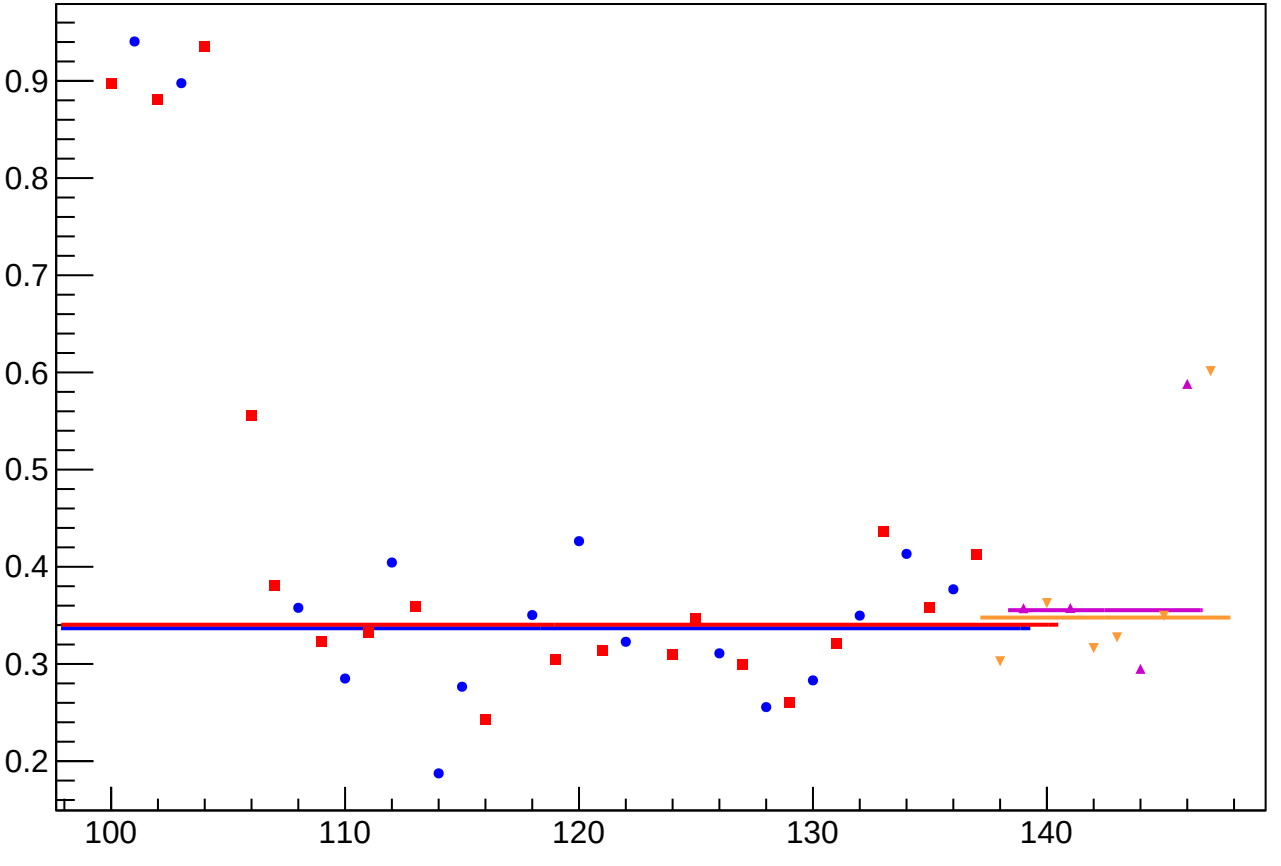
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 147.069+/-0.000 χ^2/NDF:3803464523.5/19

Out: 147.476+/-0.000 χ^2/NDF:4202576981.2/24

All: 147.283+/-0.000 χ^2/NDF: 8012819236.5

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.348+/-0.000 χ^2/NDF:322496.7/5

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.355+/-0.000 χ^2/NDF:335982.3/3

Left: 0.351+/-0.000 χ^2/NDF: 660142.5/9

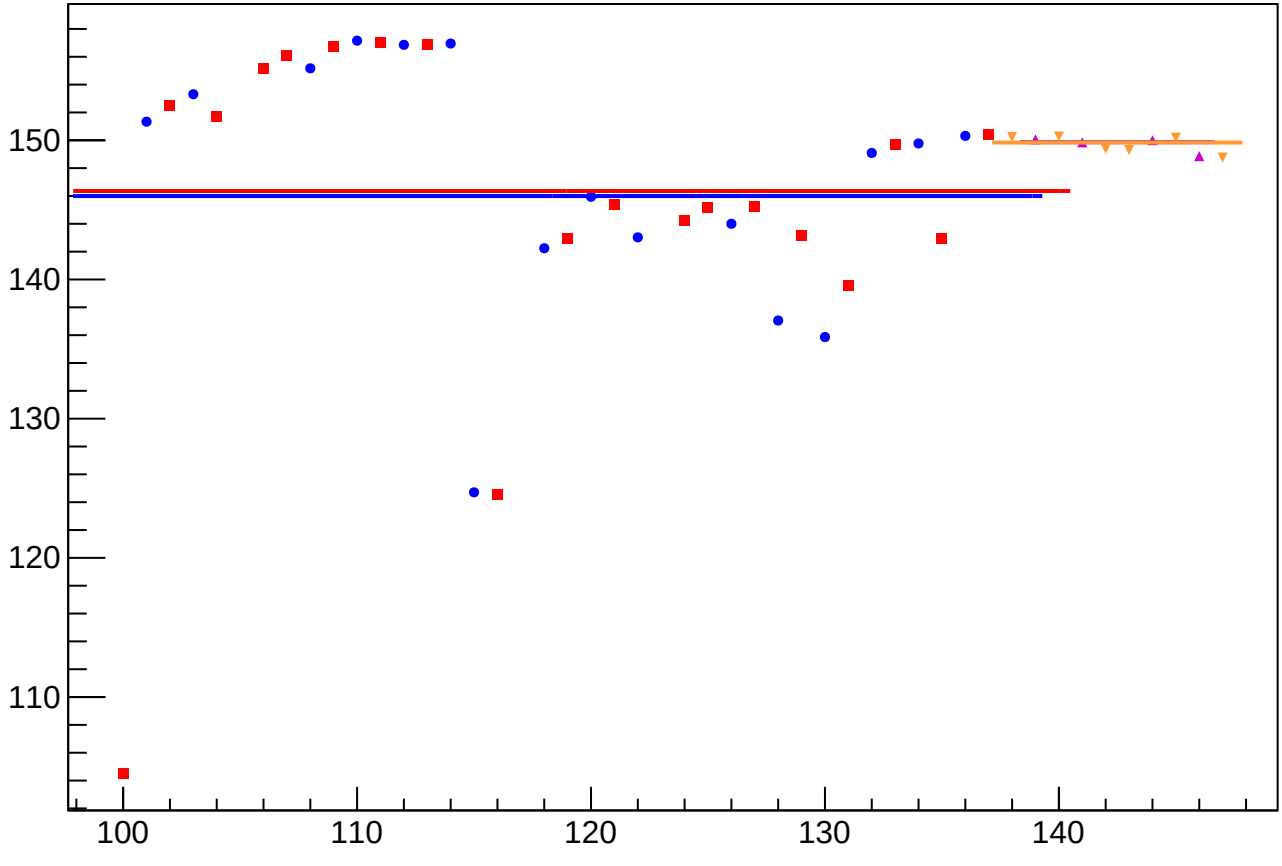
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.343+/-0.000 χ^2/NDF:1718301.1/19

Out: 0.343+/-0.000 χ^2/NDF:1599448.3/24

All: 0.343+/-0.000 χ^2/NDF: 3317767.3/44

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.840+/-0.000 χ^2/NDF:8512108.7/5

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 149.870+/-0.000 χ^2/NDF:2931211.1/3

Left: 149.853+/-0.000 χ^2/NDF: 11455658.2/9

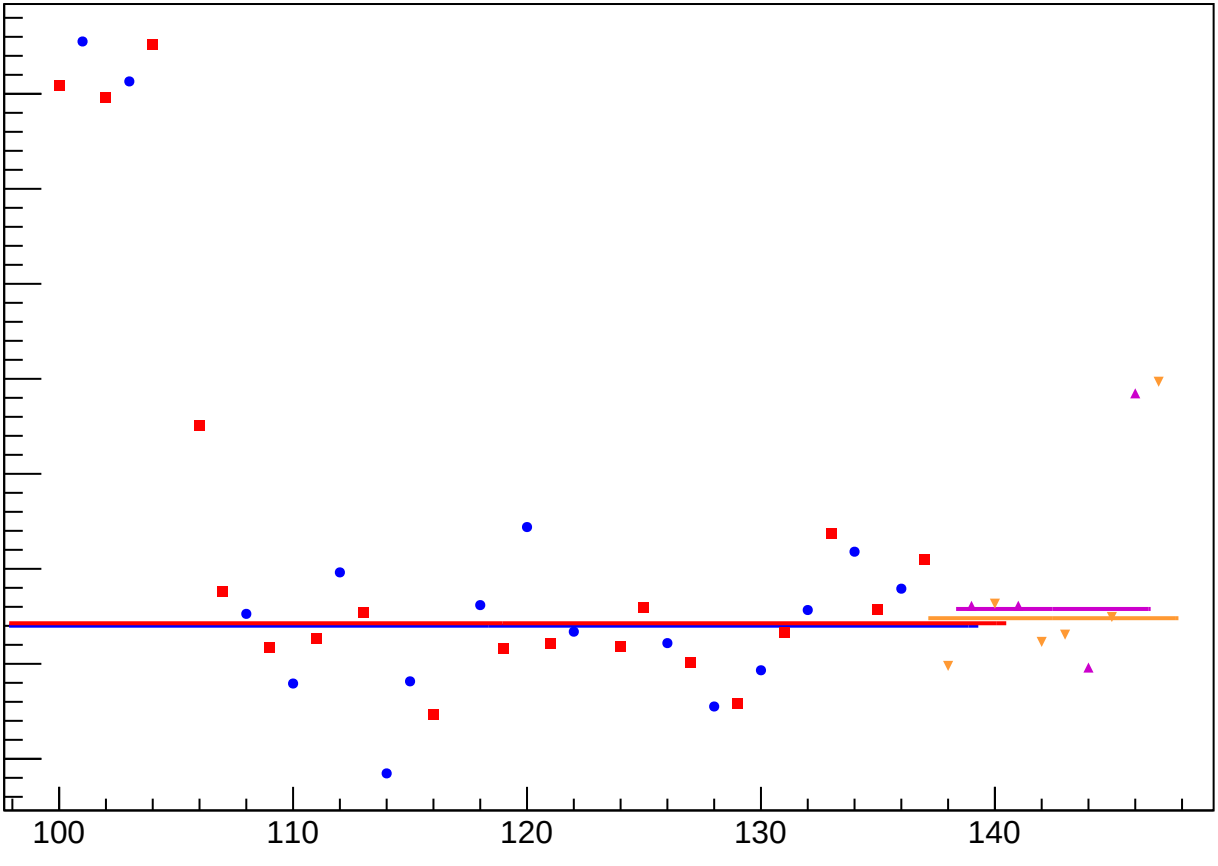
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.260+/-0.000 χ^2/NDF:3876261888.4/19

Out: 147.727+/-0.000 χ^2/NDF:4218106213.4/24

All: 147.506+/-0.000 χ^2/NDF: 8103127374.0

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.348+/-0.000 χ^2/NDF:320222.4/5

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.358+/-0.000 χ^2/NDF:327478.5/3

Left: 0.352+/-0.000 χ^2/NDF: 650399.0/9

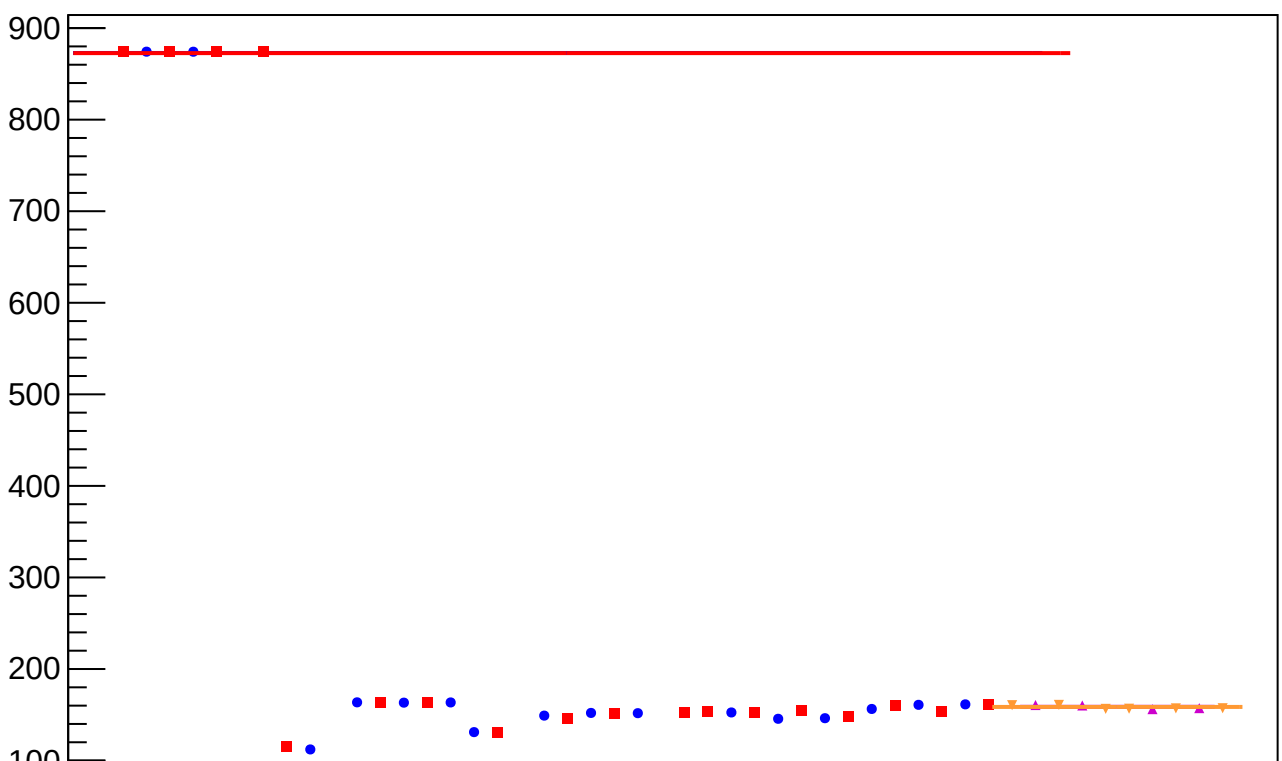
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.346+/-0.000 χ^2/NDF:1731080.6/19

Out: 0.345+/-0.000 χ^2/NDF:1592106.9/24

All: 0.345+/-0.000 χ^2/NDF: 3323285.4/44

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 158.589+/-0.000 χ^2/NDF:26335526.2/5

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 158.696+/-0.000 χ^2/NDF:22293095.0/3

Left: 158.636+/-0.000 χ^2/NDF: 48664246.5/9

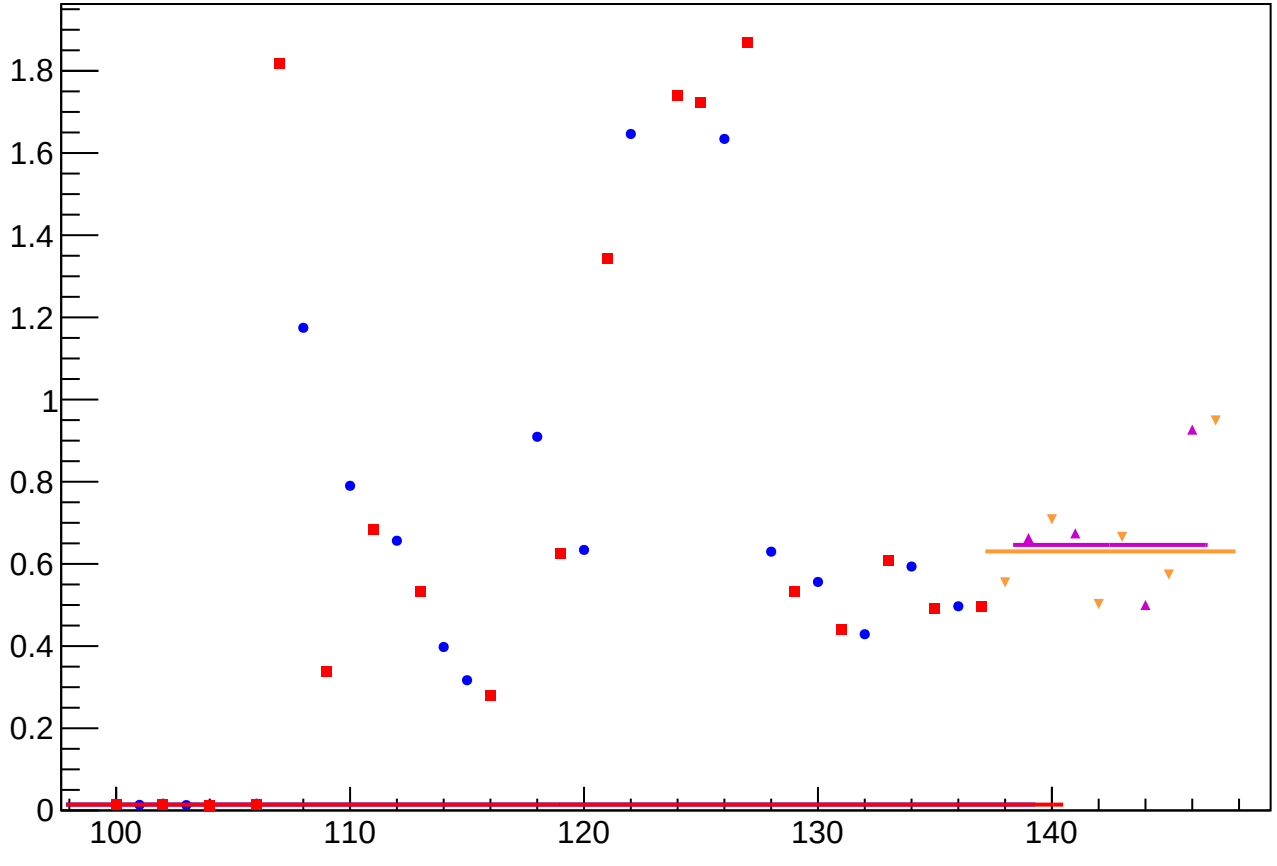
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 872.260+/-0.000 χ^2/NDF:10050156501406.3/1

Out: 872.044+/-0.000 χ^2/NDF:12870310324991.5

All: 872.144+/-0.000 χ^2/NDF: 22920644905

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.630+/-0.000 χ^2/NDF:204911.6/5

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.646+/-0.000 χ^2/NDF:187578.8/3

Left: 0.637+/-0.000 χ^2/NDF: 394080.9/9

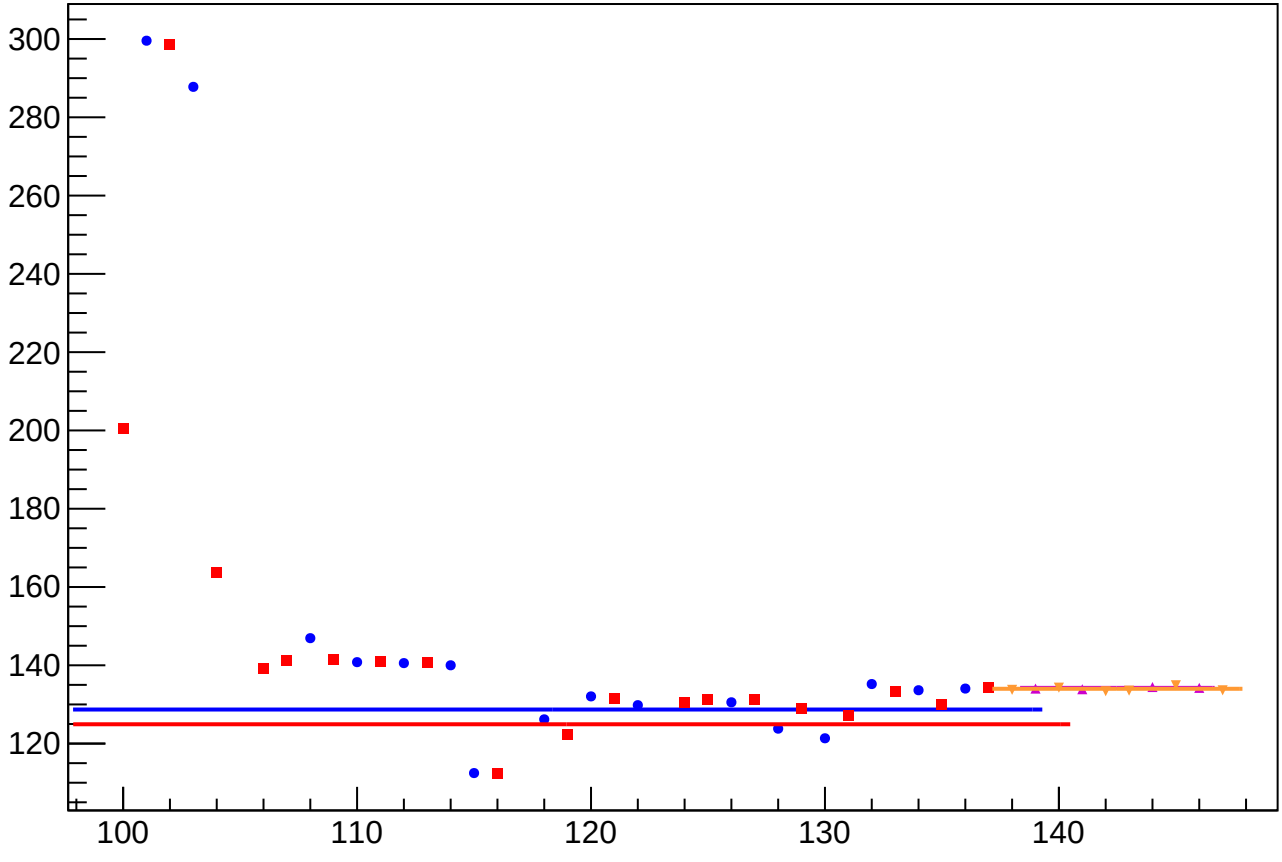
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:14286514.8/19

Out: 0.015+/-0.000 χ^2/NDF:15129898.1/24

All: 0.015+/-0.000 χ^2/NDF: 29416478.9/44

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.000+/-0.000 χ^2/NDF:6171557.8/5

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.232+/-0.000 χ^2/NDF:562903.0/3

Left: 134.093+/-0.000 χ^2/NDF: 7106490.4/9

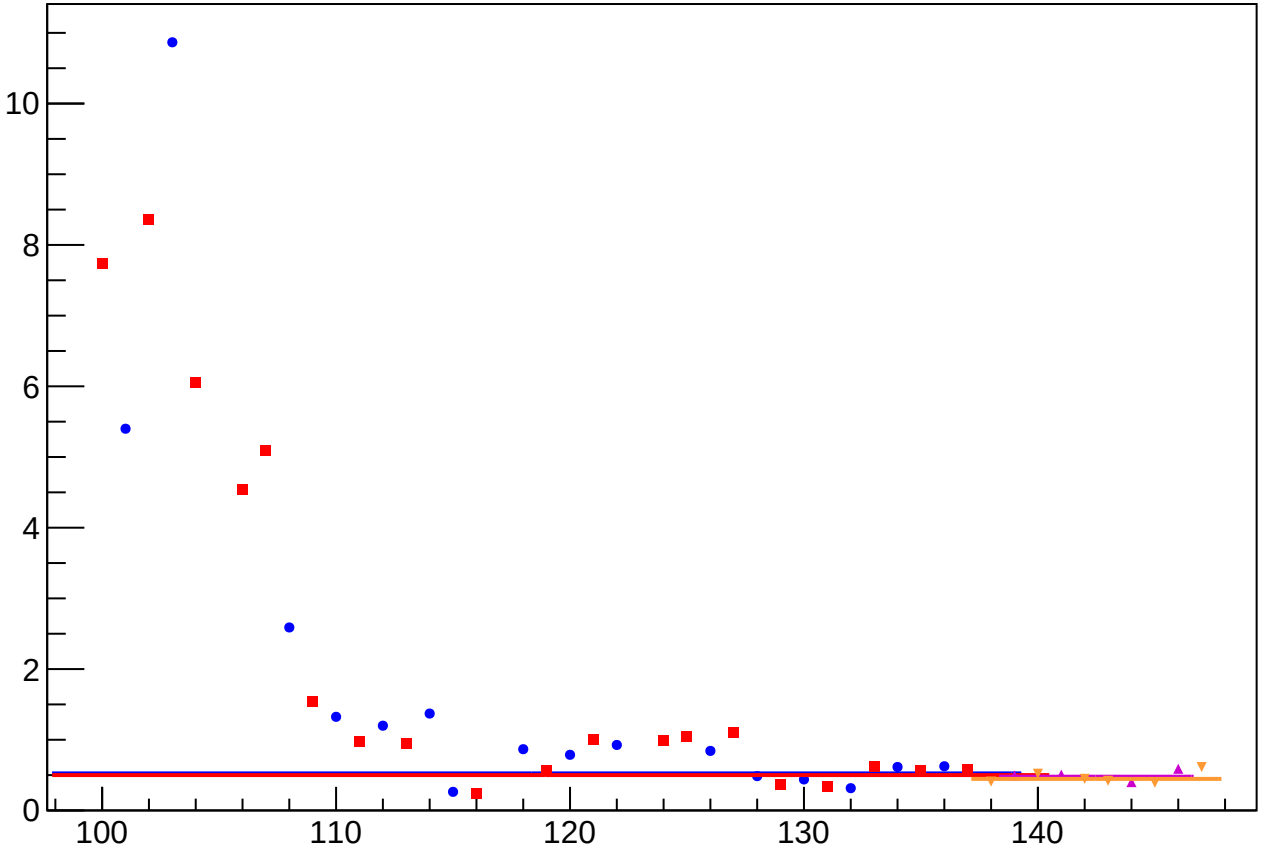
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 131.253+/-0.000 χ^2/NDF:1845452422.4/19

Out: 129.943+/-0.000 χ^2/NDF:2040938117.6/24

All: 130.522+/-0.000 χ^2/NDF: 3910174502.6

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.446+/-0.000 χ^2/NDF:173806.3/5

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.477+/-0.000 χ^2/NDF:122956.5/3

Left: 0.459+/-0.000 χ^2/NDF: 309930.4/9

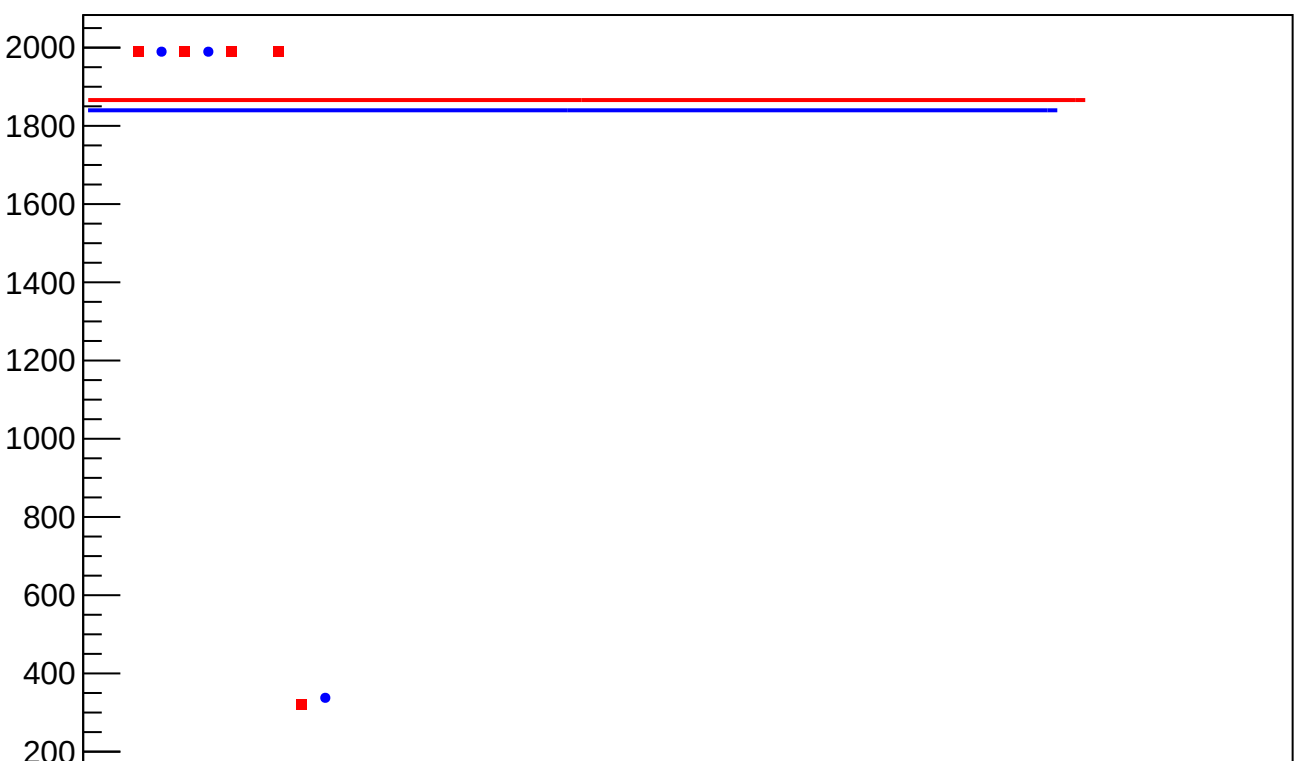
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.503+/-0.000 χ^2/NDF:4288207.8/19

Out: 0.471+/-0.000 χ^2/NDF:5103205.9/24

All: 0.485+/-0.000 χ^2/NDF: 9419503.3/44

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.337+/-0.000 χ^2/NDF:12788384.2/5

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.418+/-0.000 χ^2/NDF:1331810.4/3

Left: 137.371+/-0.000 χ^2/NDF: 14218509.2/9

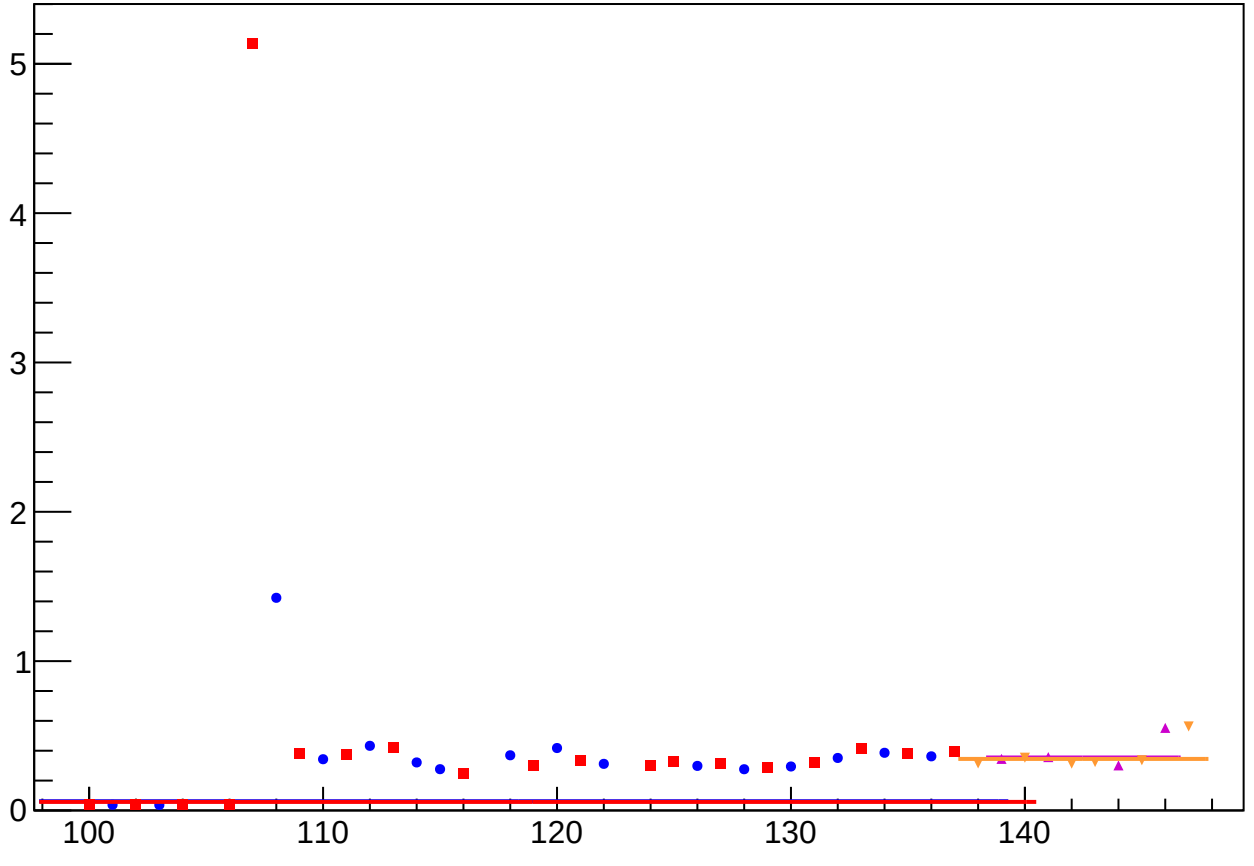
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1765.924+/-0.000 χ^2/NDF:217624761374703.

Out: 1779.548+/-0.000 χ^2/NDF:24225133687907

All: 1773.286+/-0.000 χ^2/NDF: 4599358953

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.345+/-0.000 χ^2/NDF:261248.2/5

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.355+/-0.000 χ^2/NDF:272536.8/3

Left: 0.349+/-0.000 χ^2/NDF: 536483.9/9

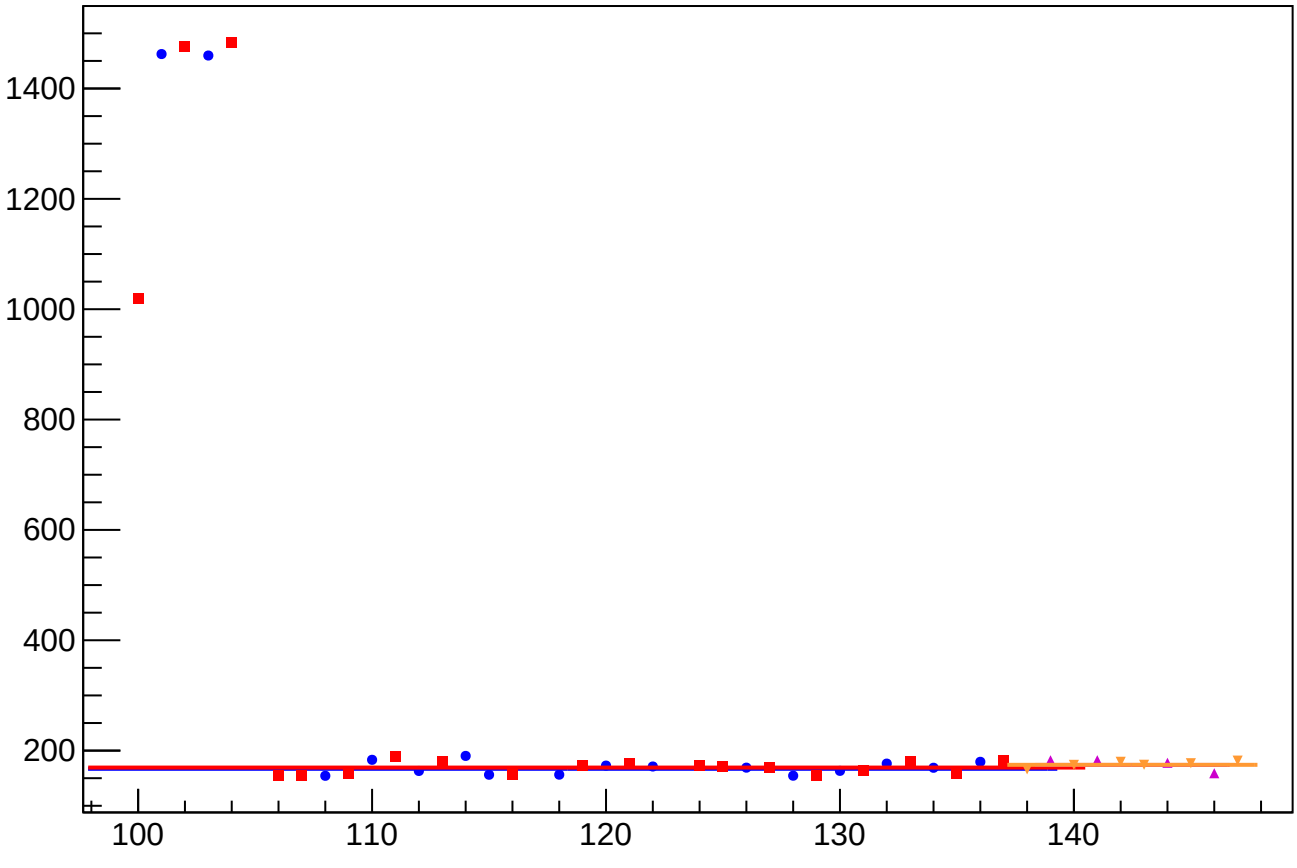
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.074+/-0.000 χ^2/NDF:12691163.4/19

Out: 0.072+/-0.000 χ^2/NDF:13519970.0/24

All: 0.073+/-0.000 χ^2/NDF: 26216190.8/44

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.230+/-0.001 χ^2/NDF:101796767.0/5

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 173.994+/-0.001 χ^2/NDF:330461297.1/3

Left: 174.121+/-0.000 χ^2/NDF: 432350986.4/9

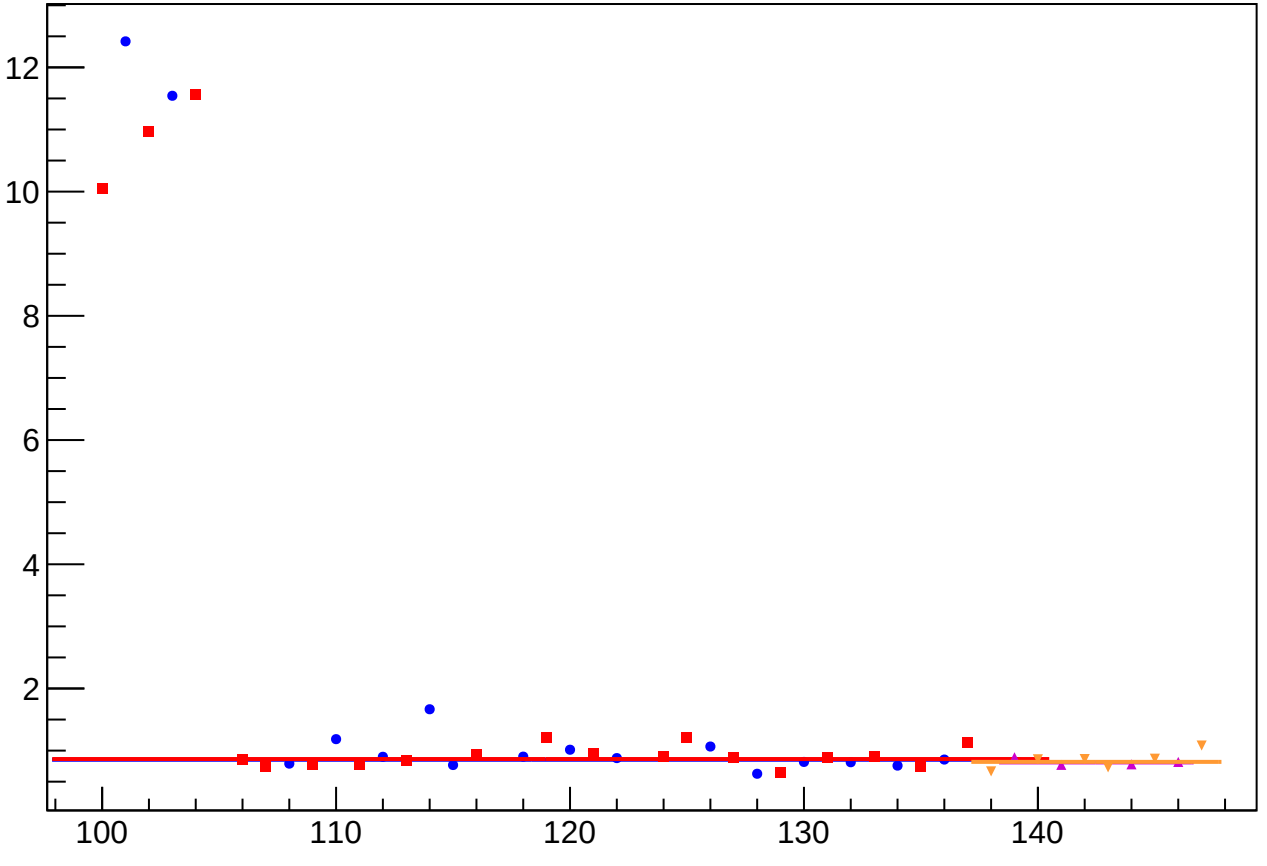
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 169.598+/-0.000 χ^2/NDF:15040806997.1/19

Out: 171.243+/-0.000 χ^2/NDF:16473142942.0/24

All: 170.452+/-0.000 χ^2/NDF: 31525754371.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.819+/-0.000 χ^2/NDF:129225.6/5

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.810+/-0.000 χ^2/NDF:11826.5/3

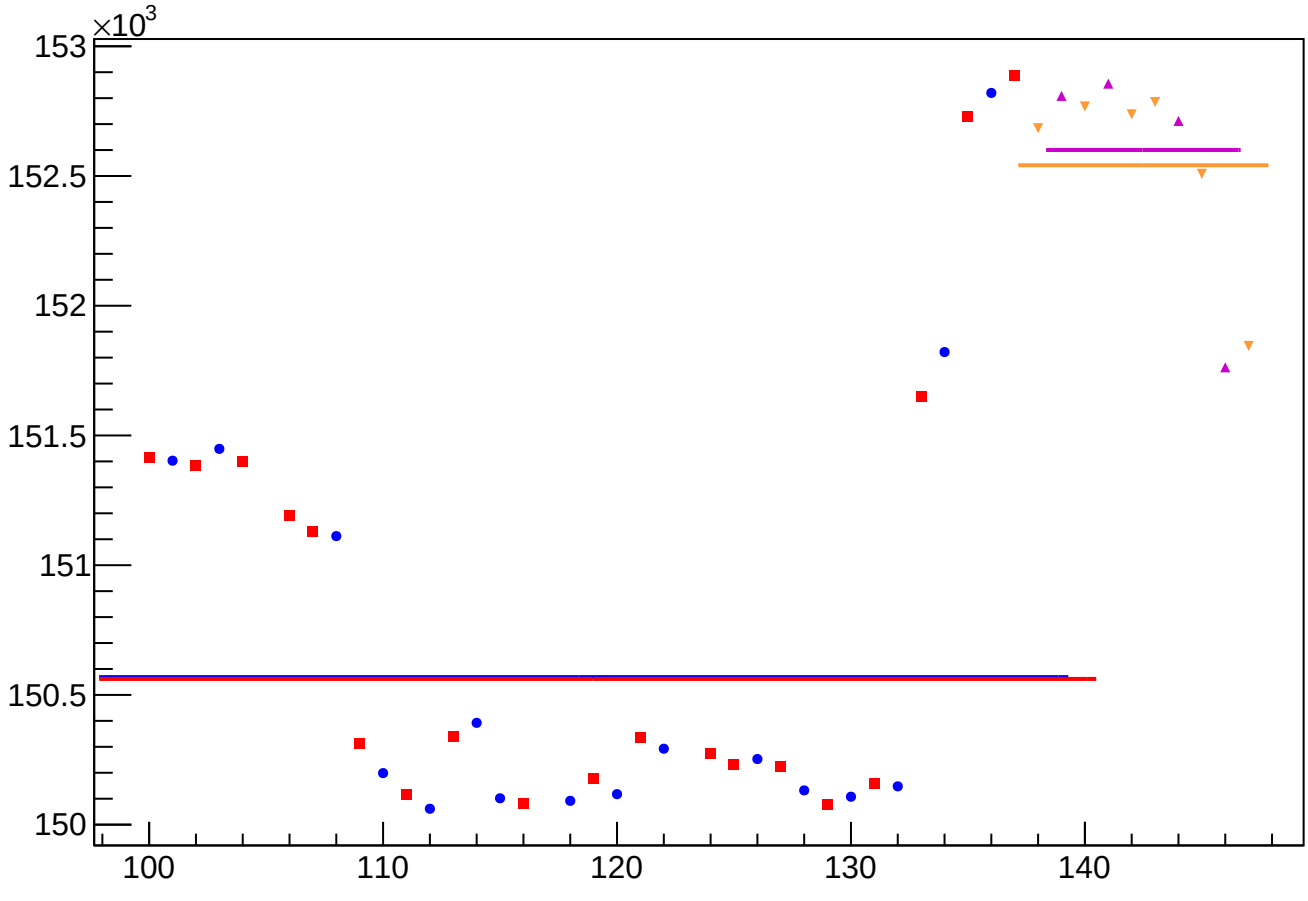
Left: 0.815+/-0.000 χ^2/NDF: 141314.9/9

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

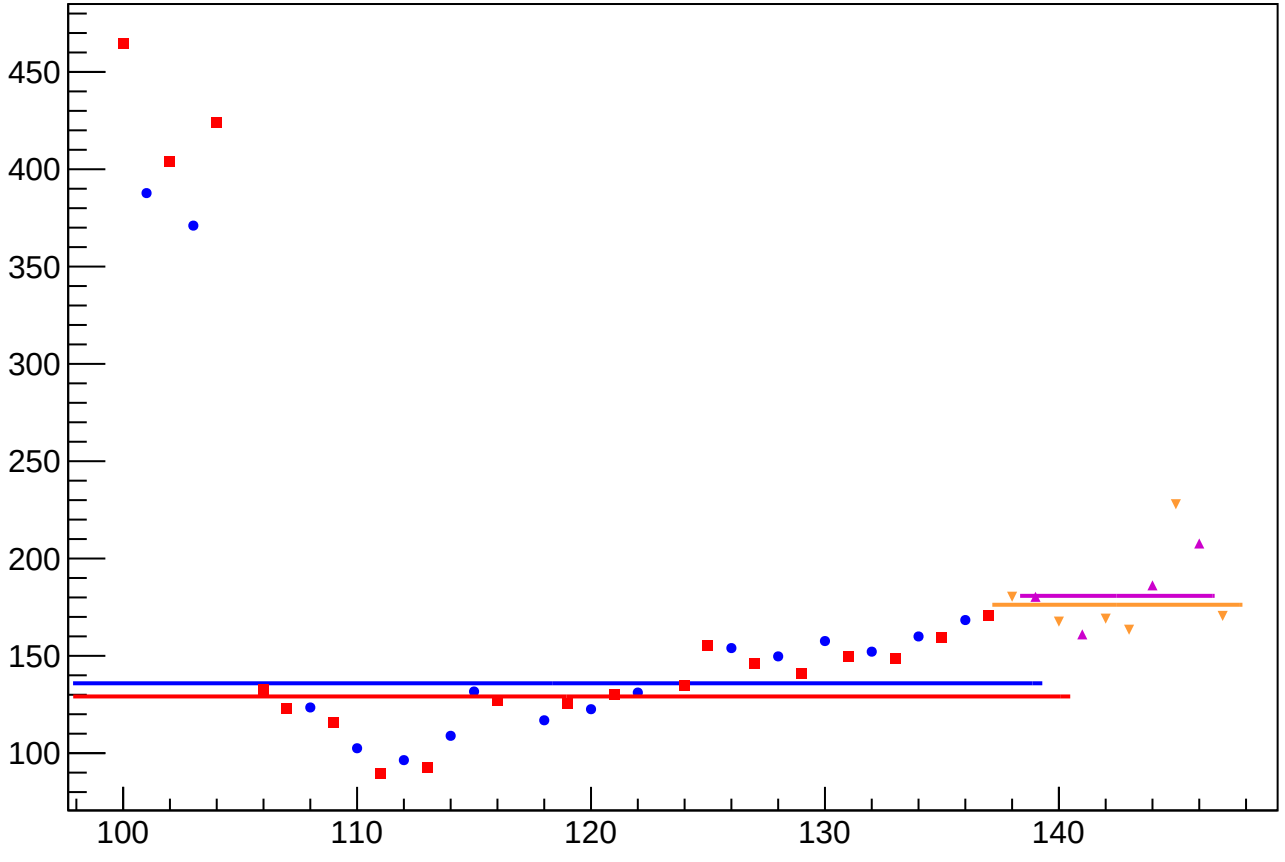
In: 0.837+/-0.000 χ^2/NDF:2321430.2/19

Out: 0.846+/-0.000 χ^2/NDF:2347526.5/24

All: 0.842+/-0.000 χ^2/NDF: 4669675.1/44


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
153
152.5
152
151.5
151
150.5
150
100
110
120
130
140
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 152541.378+/-0.084 χ²/NDF:17936239.6/5
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152600.190+/-0.097 χ²/NDF:17775406.1/3
Left: 152566.542+/-0.064 χ²/NDF: 35919842.4/9
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 151053.830+/-0.048 χ²/NDF:585443335.1/19
Out: 151091.711+/-0.044 χ²/NDF:619178213.2/24
All: 151074.435+/-0.032 χ²/NDF: 12049653

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.244+/-0.060 χ^2/NDF:101129.1/5

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.825+/-0.069 χ^2/NDF:57059.9/3

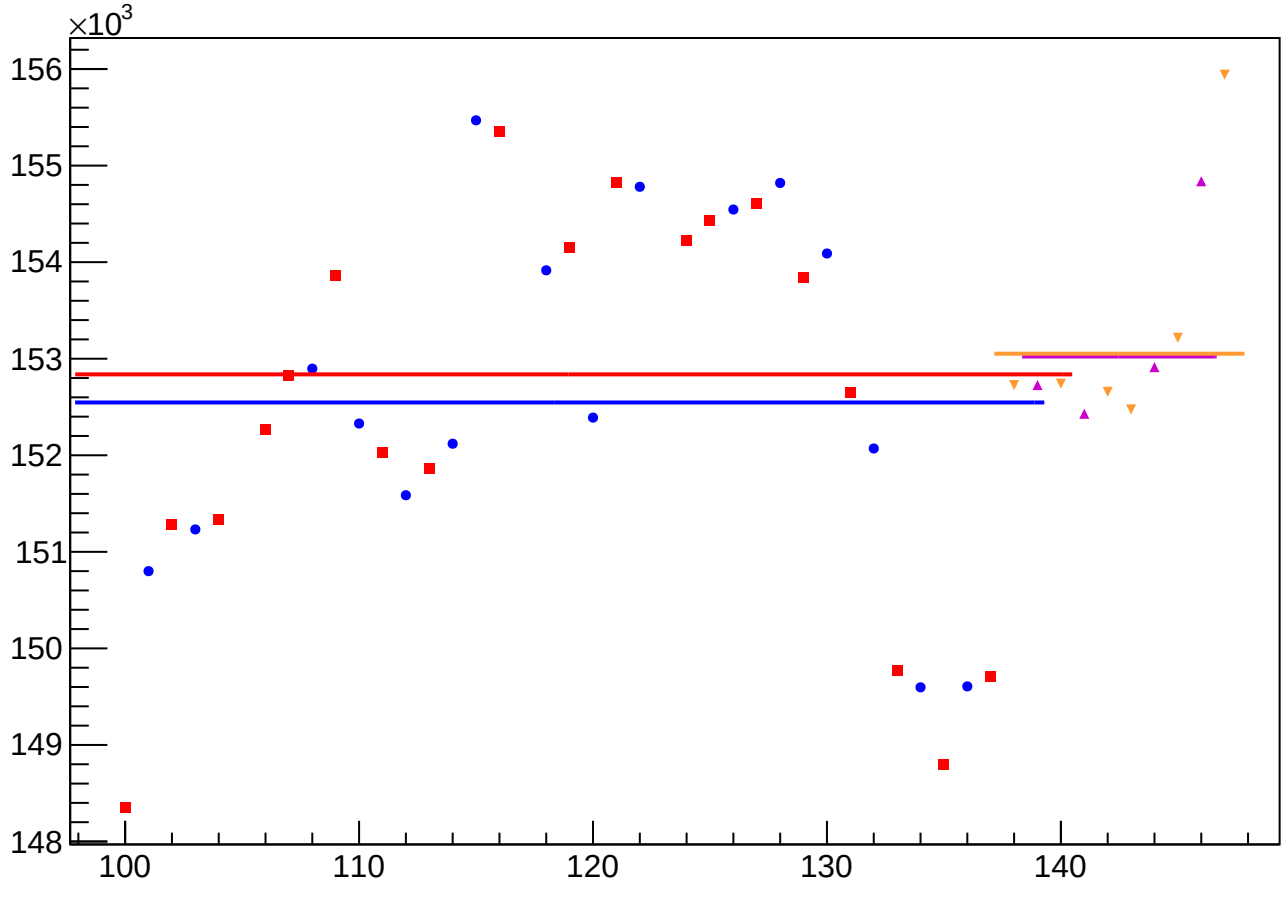
Left: 178.204+/-0.045 χ^2/NDF: 160715.4/9

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 146.626+/-0.034 χ^2/NDF:1796696.2/19

Out: 141.745+/-0.031 χ^2/NDF:2172747.3/24

All: 143.971+/-0.023 χ^2/NDF: 3980863.4/44



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 153051.978+/-0.092 χ^2/NDF:110079789.9/5

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 153022.829+/-0.107 χ^2/NDF:54050920.6/3

Left: 153039.479+/-0.070 χ^2/NDF: 164173495.8/9

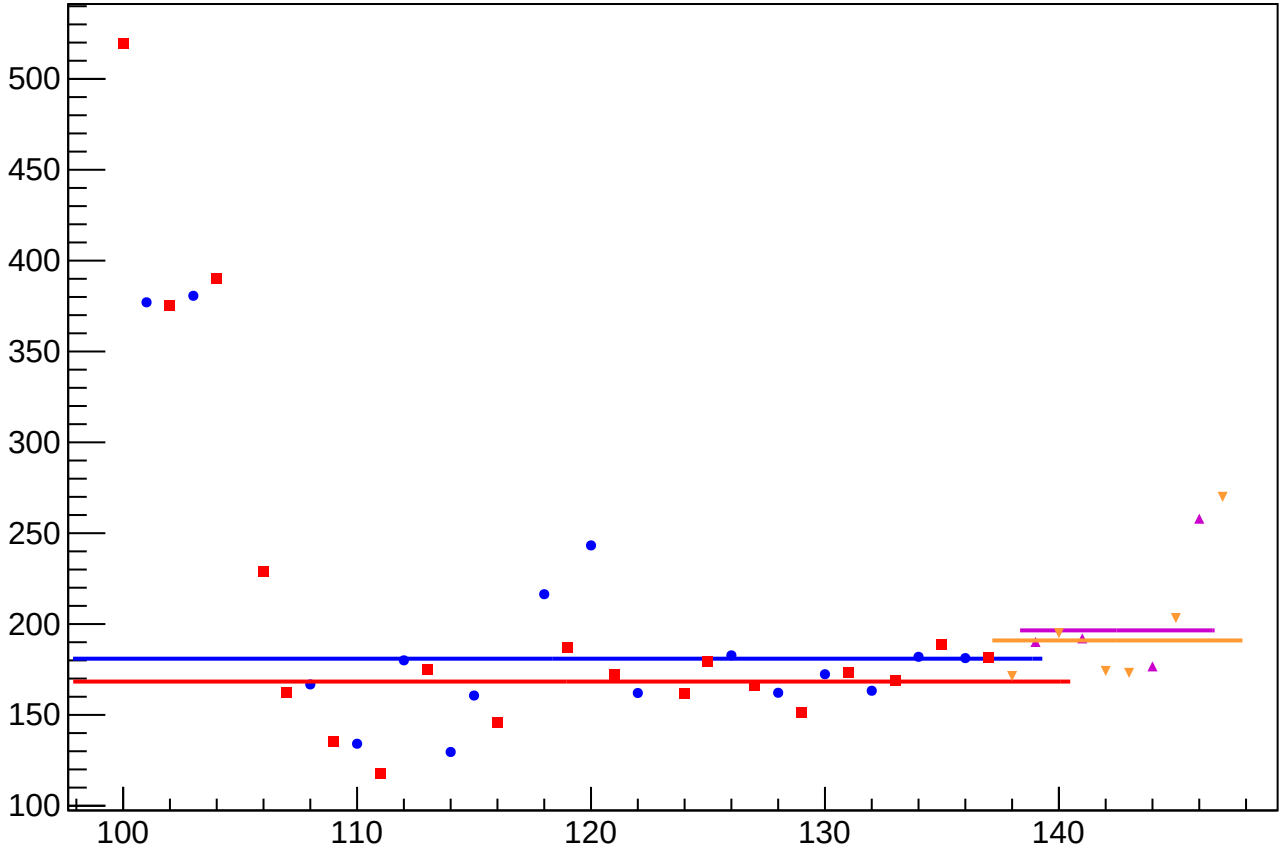
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152697.924+/-0.060 χ^2/NDF:722222643.7/19

Out: 152911.296+/-0.054 χ^2/NDF:850523644.1/24

All: 152815.734+/-0.040 χ^2/NDF: 15797294

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 190.987+/-0.065 χ^2/NDF:191220.6/5

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 196.517+/-0.075 χ^2/NDF:124510.1/3

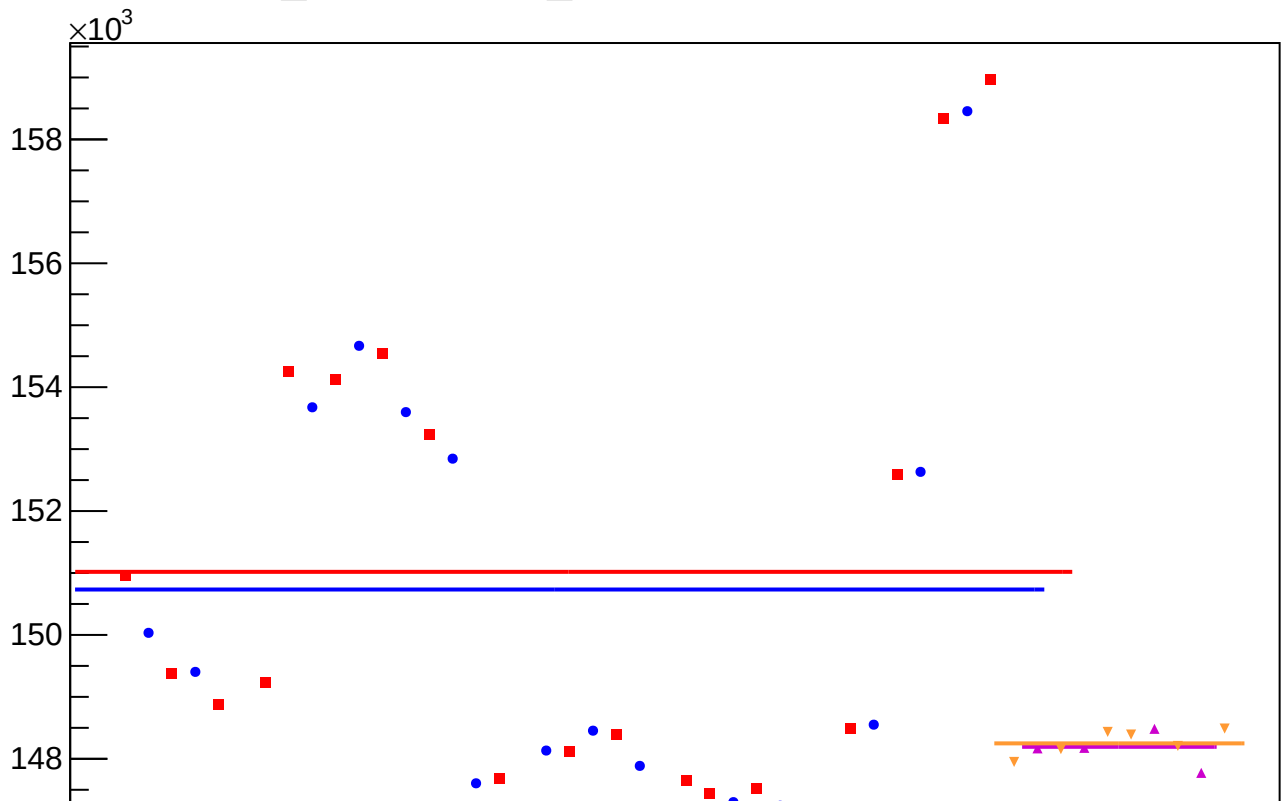
Left: 193.358+/-0.049 χ^2/NDF: 318810.4/9

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 185.882+/-0.042 χ^2/NDF:1061476.8/19

Out: 176.111+/-0.038 χ^2/NDF:1359397.1/24

All: 180.487+/-0.028 χ^2/NDF: 2450159.3/44



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 148249.141+/-0.091 χ^2/NDF:4157715.9/5

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 148193.749+/-0.103 χ^2/NDF:4778924.5/3

Left: 148224.853+/-0.068 χ^2/NDF: 9097750.6/9

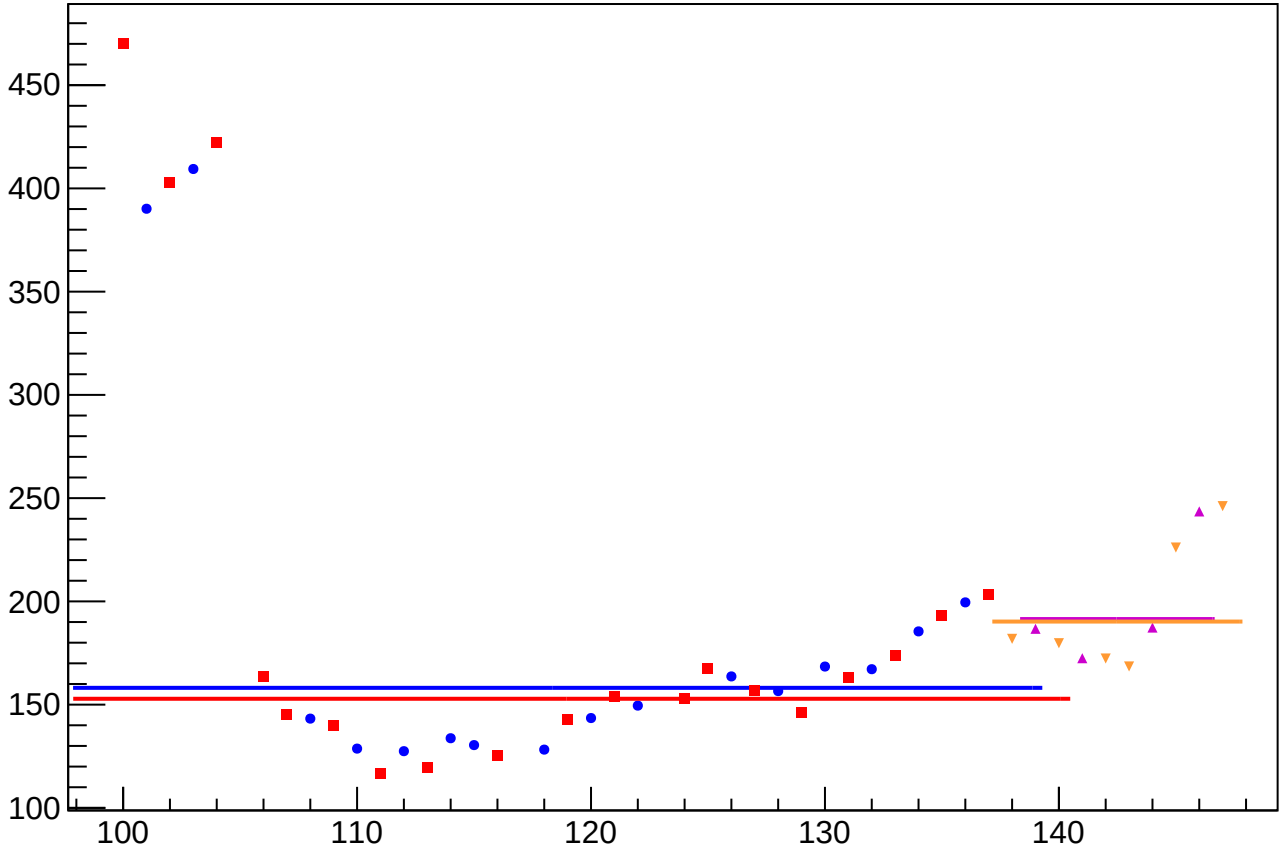
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150047.524+/-0.054 χ^2/NDF:3728835080.3/19

Out: 150183.180+/-0.050 χ^2/NDF:3931681543.5/2

All: 150119.982+/-0.037 χ^2/NDF: 76639202

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 190.230+/-0.065 χ^2/NDF:169513.1/5

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 191.443+/-0.073 χ^2/NDF:103719.4/3

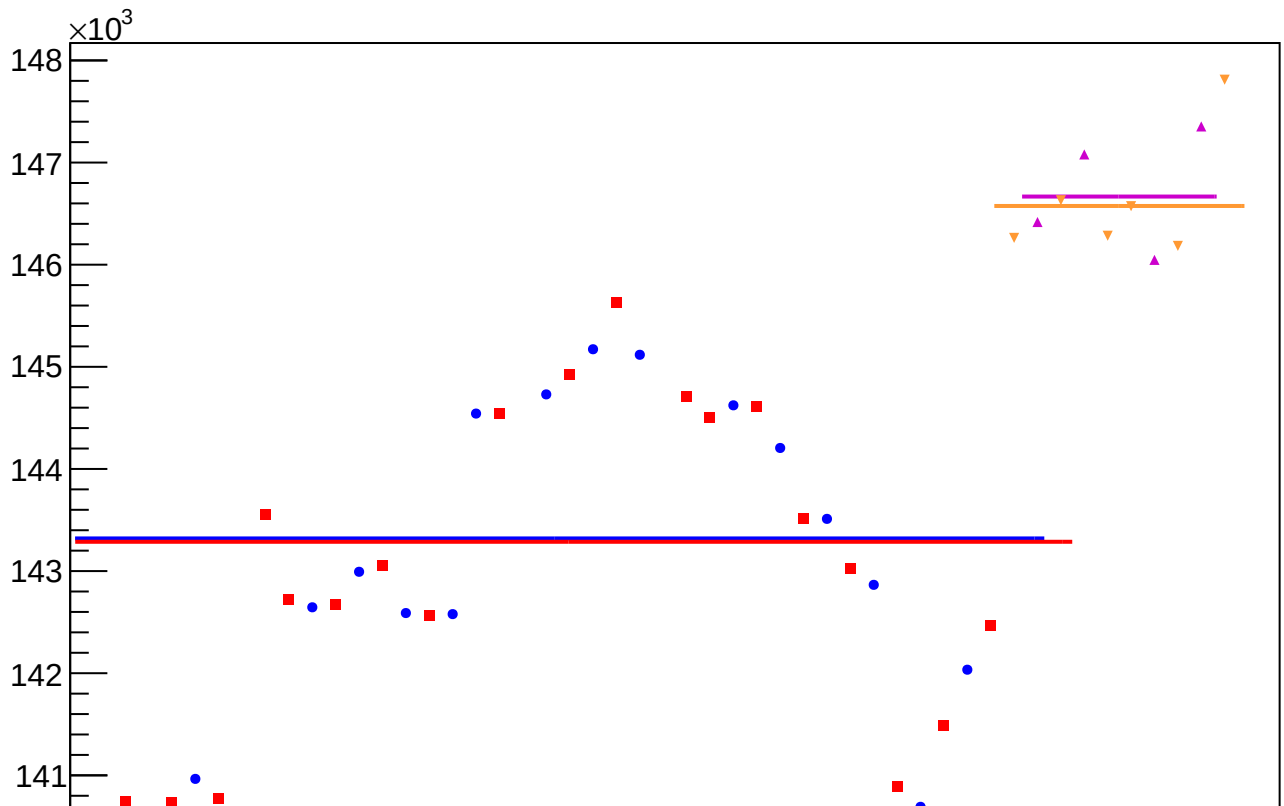
Left: 190.762+/-0.048 χ^2/NDF: 273387.0/9

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 167.131+/-0.038 χ^2/NDF:1450844.9/19

Out: 164.119+/-0.035 χ^2/NDF:1667572.9/24

All: 165.522+/-0.026 χ^2/NDF: 3121775.3/44



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 146574.905+/-0.091 χ^2/NDF:26020577.2/5

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 146667.203+/-0.103 χ^2/NDF:23289444.6/3

Left: 146615.419+/-0.068 χ^2/NDF: 49763942.3/9

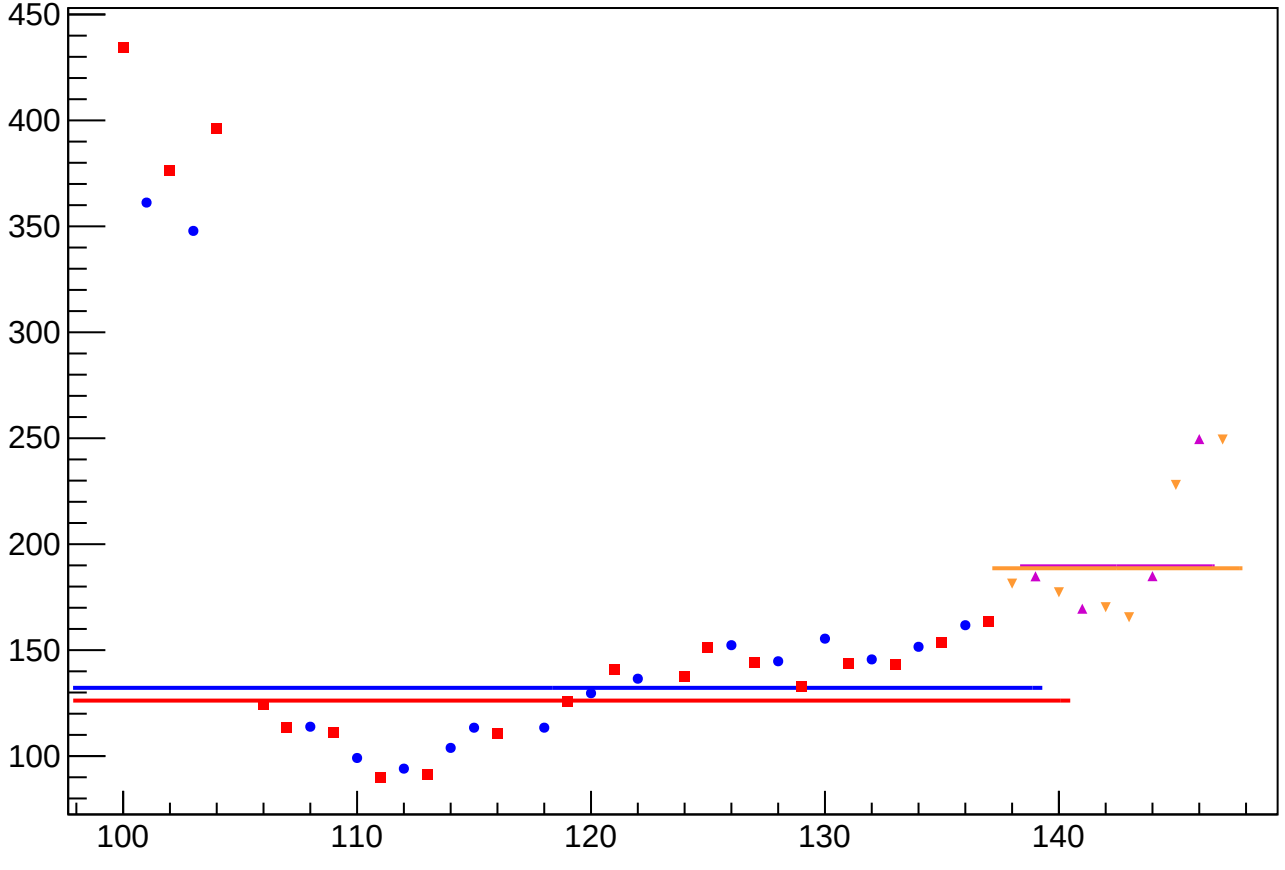
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 144027.234+/-0.047 χ^2/NDF:1421892842.5/19

Out: 144045.571+/-0.044 χ^2/NDF:1656054938.9/2

All: 144037.125+/-0.032 χ^2/NDF: 30780292

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 188.636+/-0.064 χ^2/NDF:194743.3/5

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 189.553+/-0.073 χ^2/NDF:127925.5/3

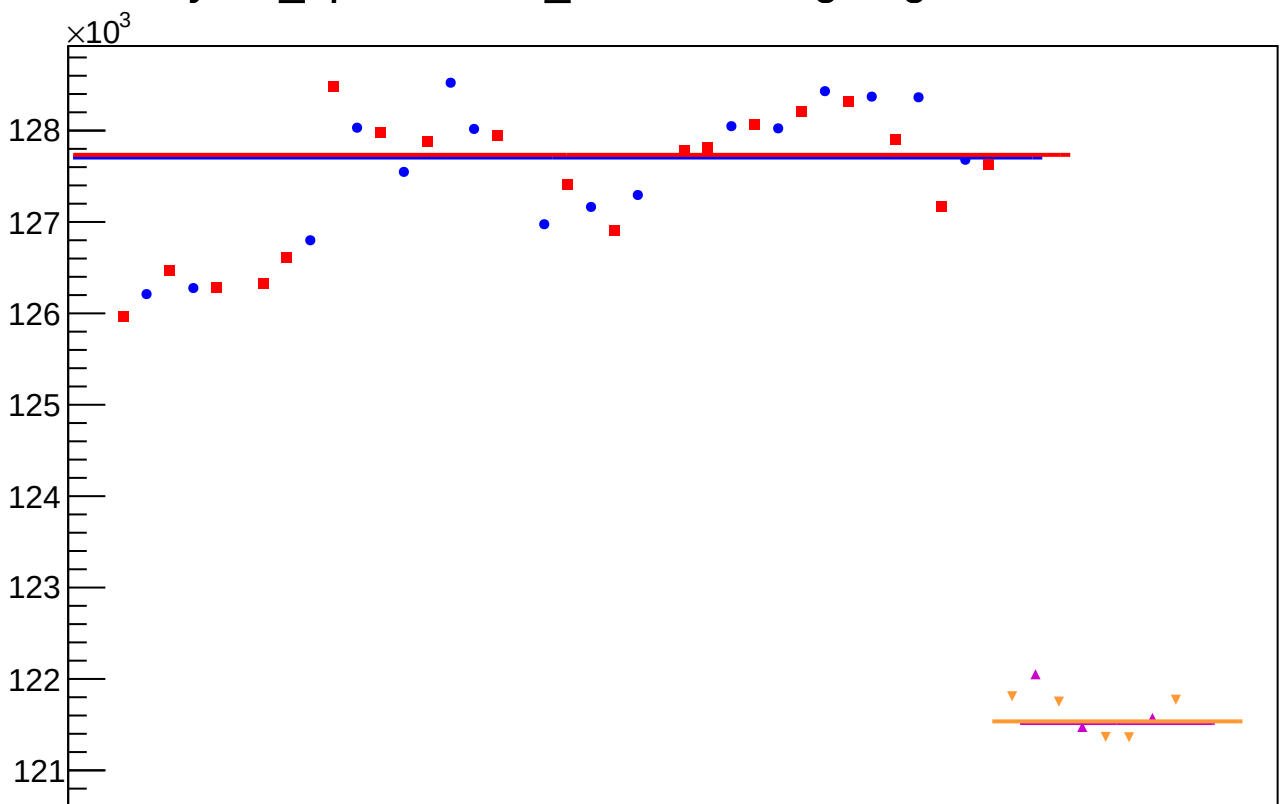
Left: 189.038+/-0.048 χ^2/NDF: 322758.5/9

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 144.326+/-0.033 χ^2/NDF:1999751.0/19

Out: 140.599+/-0.031 χ^2/NDF:2468026.6/24

All: 142.316+/-0.023 χ^2/NDF: 4474512.2/44



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 121535.729+/-0.080 χ^2/NDF:18444591.4/5

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 121517.592+/-0.089 χ^2/NDF:27878484.2/3

Left: 121527.582+/-0.060 χ^2/NDF: 46346026.0/9

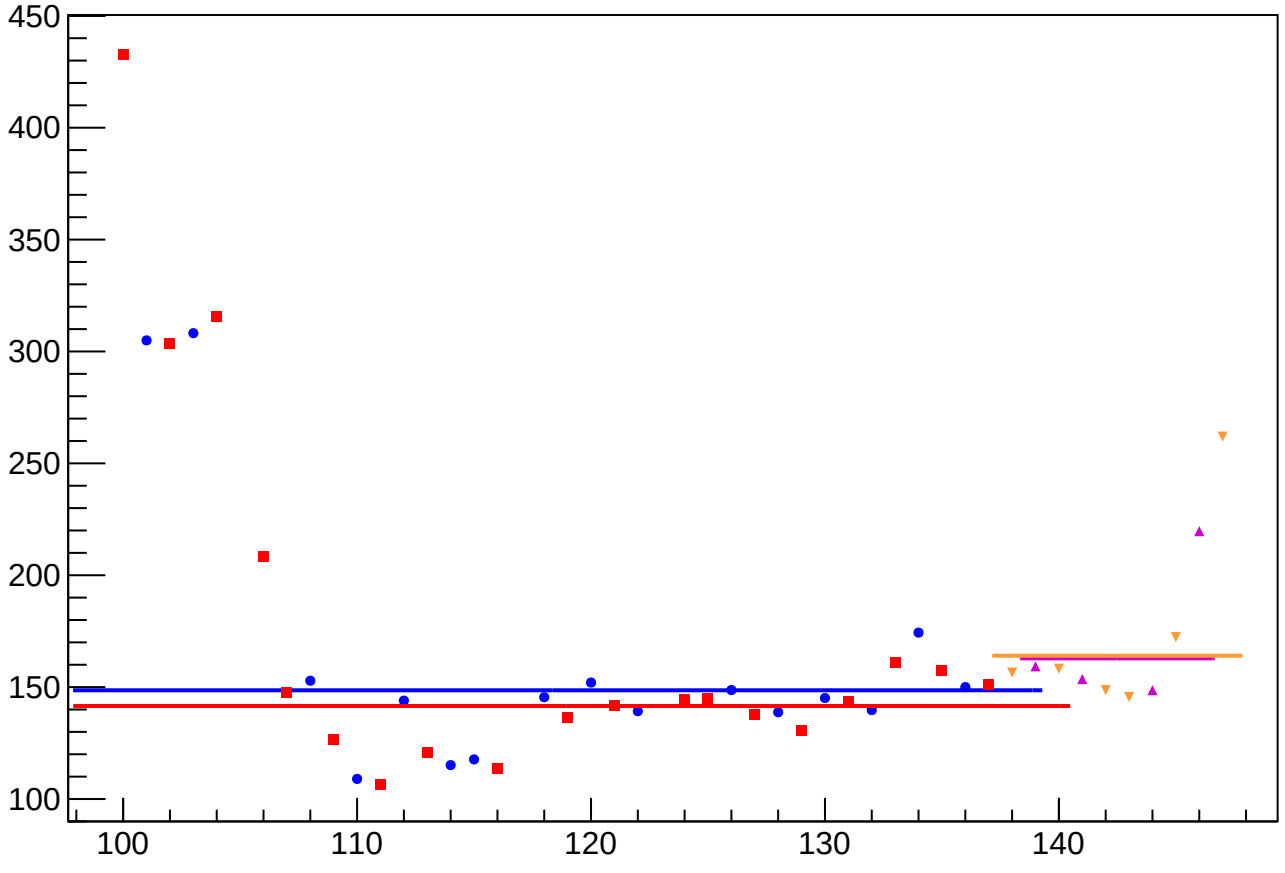
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 125837.820+/-0.049 χ^2/NDF:3518413293.4/19

Out: 125757.348+/-0.045 χ^2/NDF:4192387864.1/2

All: 125794.600+/-0.033 χ^2/NDF: 771226090

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 164.039+/-0.057 χ^2/NDF:270177.5/5

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 162.848+/-0.063 χ^2/NDF:138379.5/3

Left: 163.504+/-0.042 χ^2/NDF: 408754.8/9

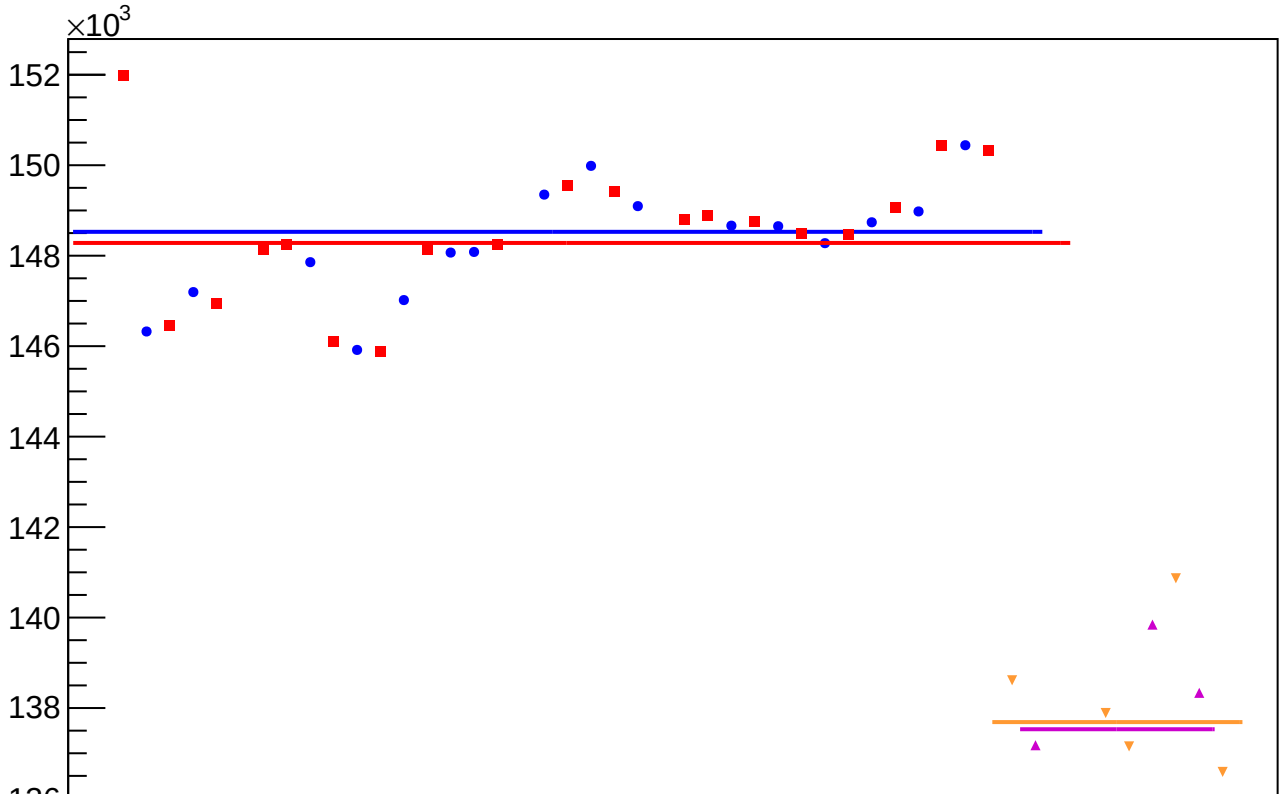
Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 152.895+/-0.035 χ^2/NDF:1002024.7/19

Out: 148.732+/-0.032 χ^2/NDF:1378271.2/24

All: 150.659+/-0.023 χ^2/NDF: 2388109.7/44

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 137689.331+/-0.120 χ^2/NDF:183566031.1/5

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 137531.127+/-0.133 χ^2/NDF:140593880.9/3

Left: 137618.710+/-0.089 χ^2/NDF: 324941468.9/9

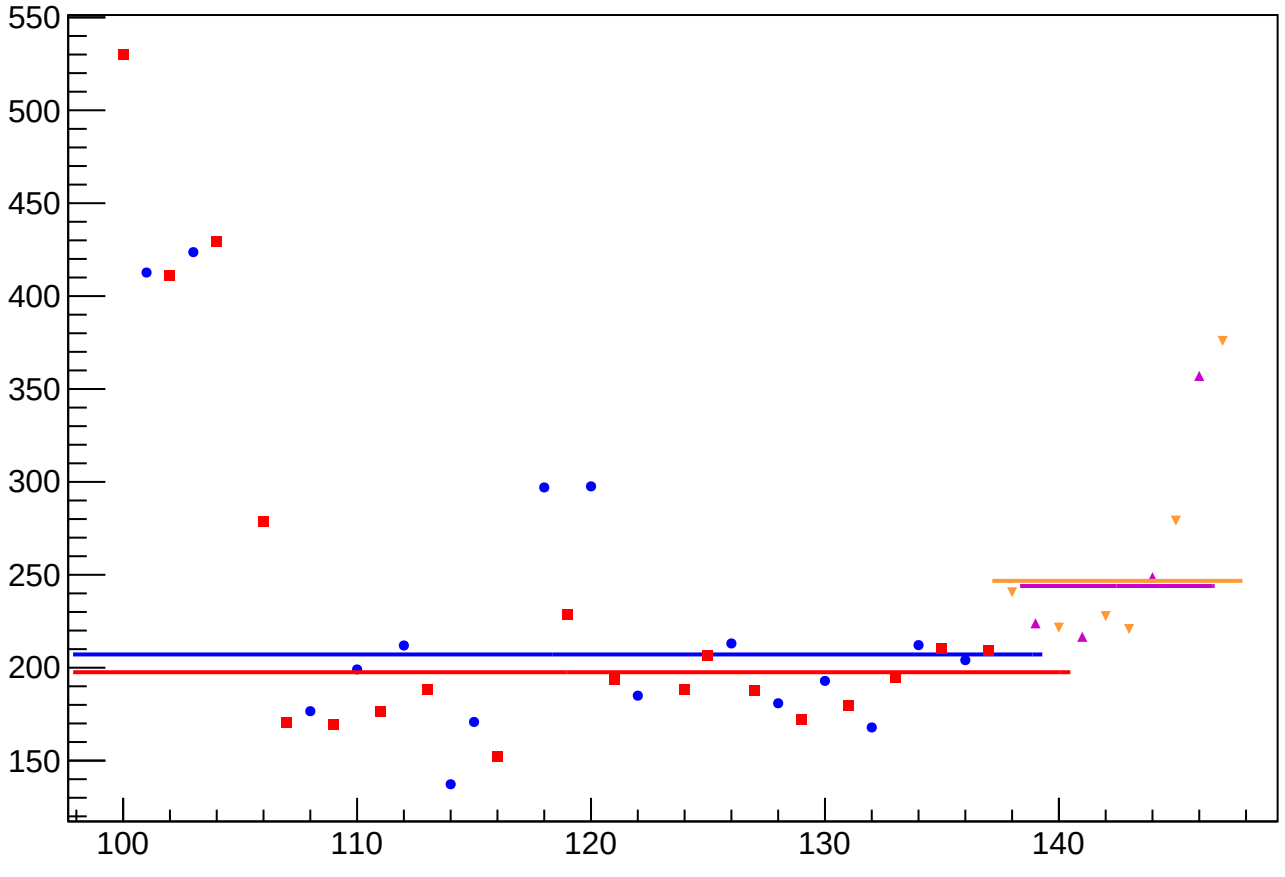
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 145507.037+/-0.070 χ^2/NDF:5297026438.1/19

Out: 145199.122+/-0.065 χ^2/NDF:6042979514.7/2

All: 145340.984+/-0.047 χ^2/NDF: 11350505

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 246.742+/-0.085 χ^2/NDF:263796.4/5

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 243.967+/-0.094 χ^2/NDF:216913.0/3

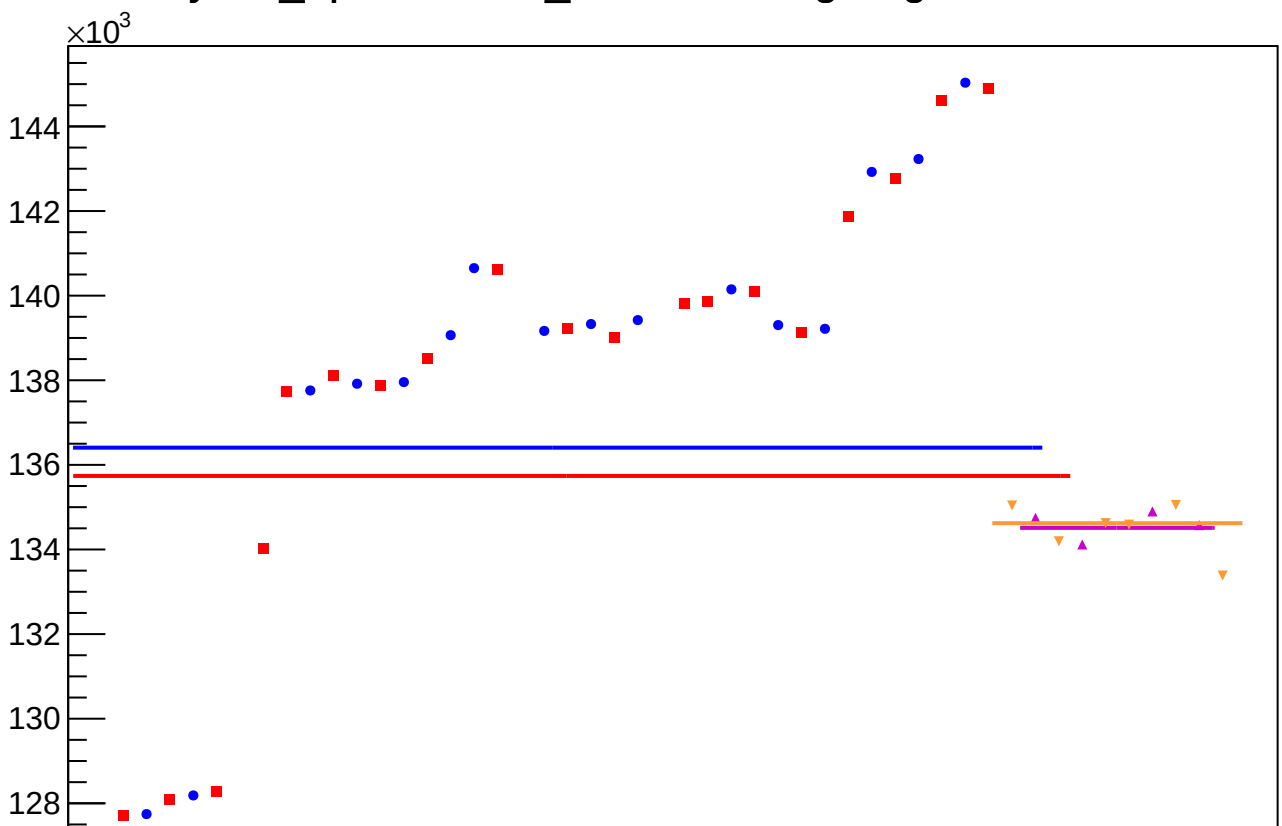
Left: 245.503+/-0.063 χ^2/NDF: 481190.5/9

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 217.252+/-0.049 χ^2/NDF:1300129.7/19

Out: 211.882+/-0.046 χ^2/NDF:1407613.7/24

All: 214.356+/-0.033 χ^2/NDF: 2714131.3/44



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 134621.618+/-0.260 χ^2/NDF:3442589.3/5

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 134510.833+/-0.302 χ^2/NDF:1105902.8/3

Left: 134574.600+/-0.197 χ^2/NDF: 4625729.2/9

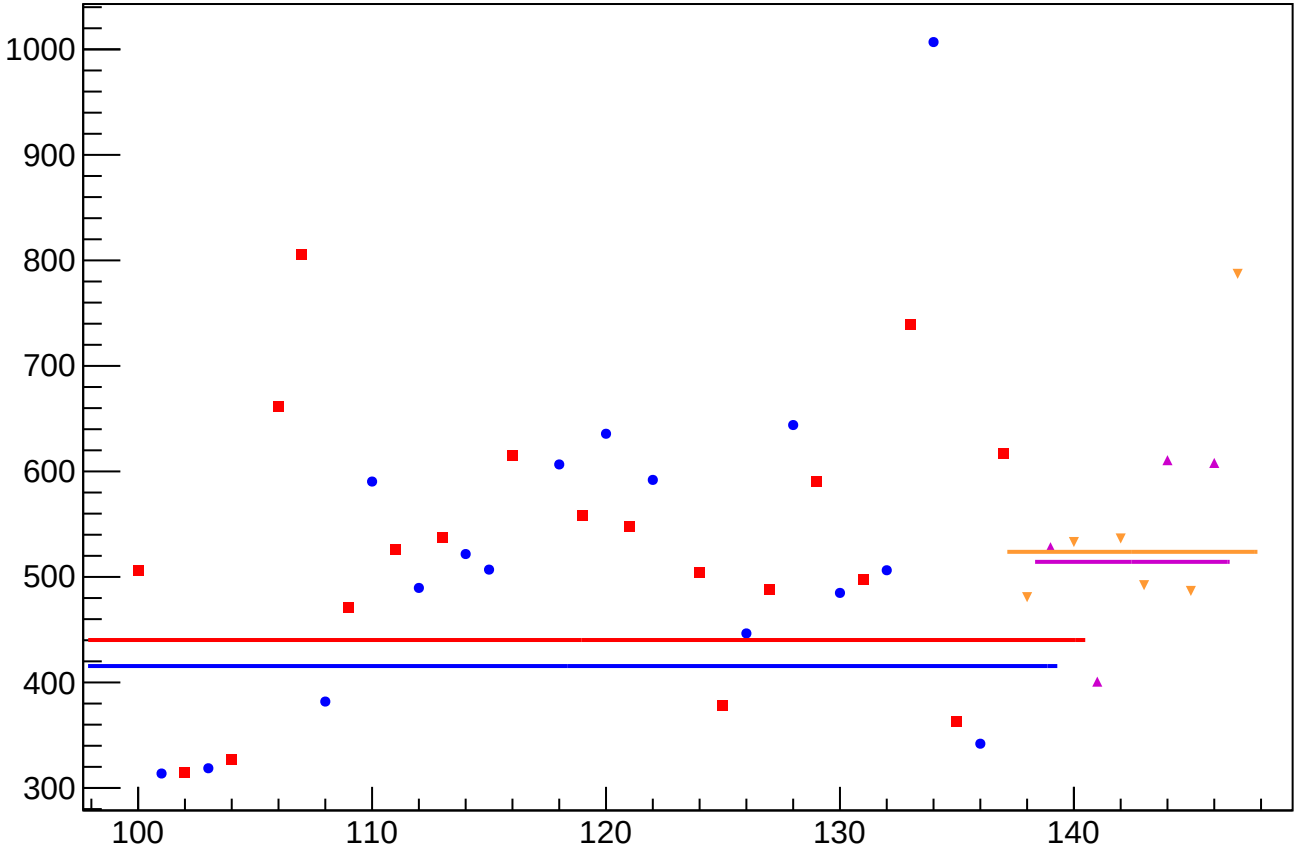
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 135957.459+/-0.147 χ^2/NDF:1608165957.0/19

Out: 135385.066+/-0.146 χ^2/NDF:1190209152.9/2

All: 135668.974+/-0.104 χ^2/NDF: 28059911

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 523.796+/-0.184 χ^2/NDF:191817.9/5

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 514.294+/-0.214 χ^2/NDF:186230.4/3

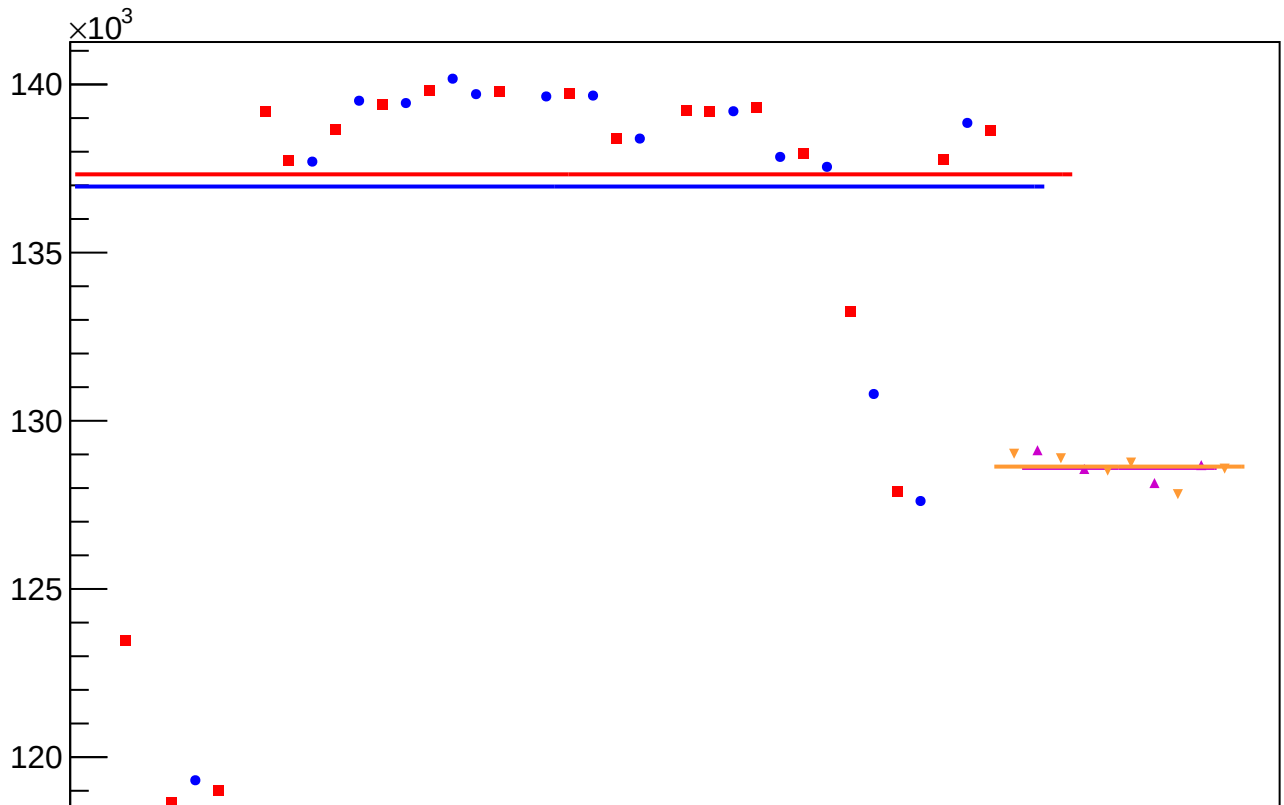
Left: 519.764+/-0.139 χ^2/NDF: 379184.6/9

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 438.955+/-0.104 χ^2/NDF:1380506.5/19

Out: 466.661+/-0.103 χ^2/NDF:1244224.1/24

All: 452.919+/-0.073 χ^2/NDF: 2660418.7/44



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128637.999+/-0.086 χ^2/NDF:21078283.3/5

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 128599.328+/-0.098 χ^2/NDF:14327443.1/3

Left: 128621.085+/-0.065 χ^2/NDF: 35494057.1/9

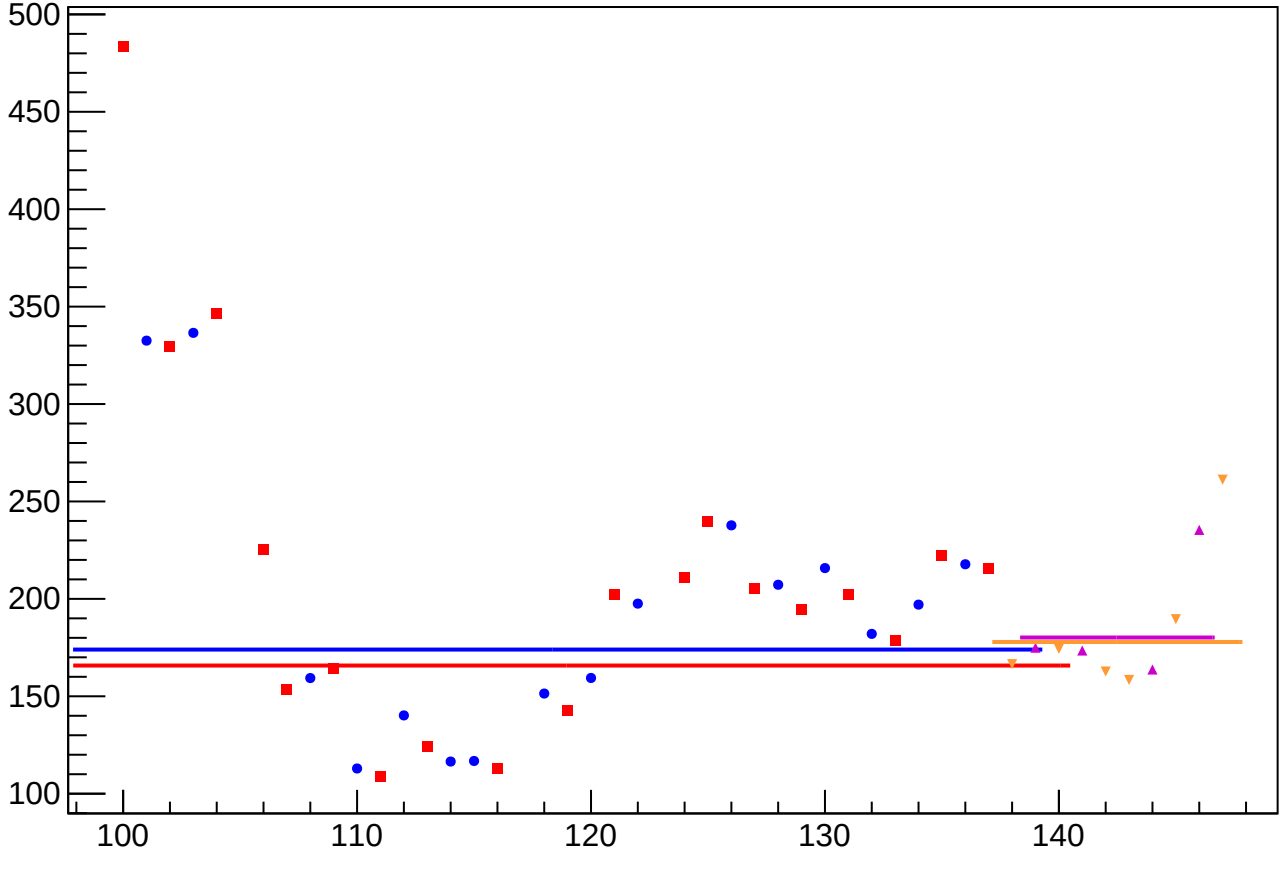
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 134137.970+/-0.057 χ^2/NDF:10686354674.8/

Out: 134132.045+/-0.052 χ^2/NDF:12205551572.4

All: 134134.760+/-0.038 χ^2/NDF: 2289191

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 177.869+/-0.061 χ^2/NDF:211768.5/5

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 180.166+/-0.069 χ^2/NDF:118490.9/3

Left: 178.873+/-0.046 χ^2/NDF: 330882.8/9

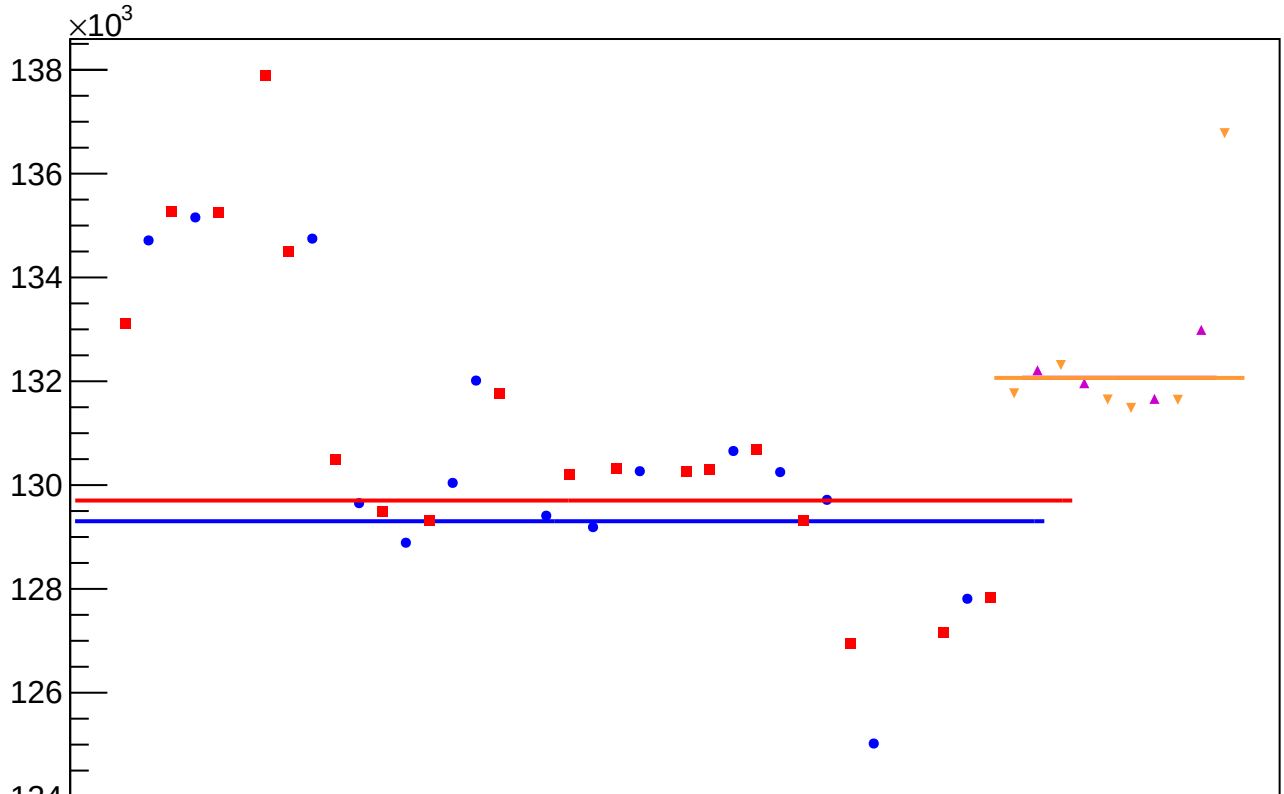
Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 176.071+/-0.040 χ^2/NDF:1312300.0/19

Out: 170.226+/-0.037 χ^2/NDF:1669883.2/24

All: 172.905+/-0.027 χ^2/NDF: 2993685.3/44

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132064.949+/-0.086 χ^2/NDF:196623044.1/5

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132067.489+/-0.097 χ^2/NDF:18482947.2/3

Left: 132066.072+/-0.064 χ^2/NDF: 215106377.4/9

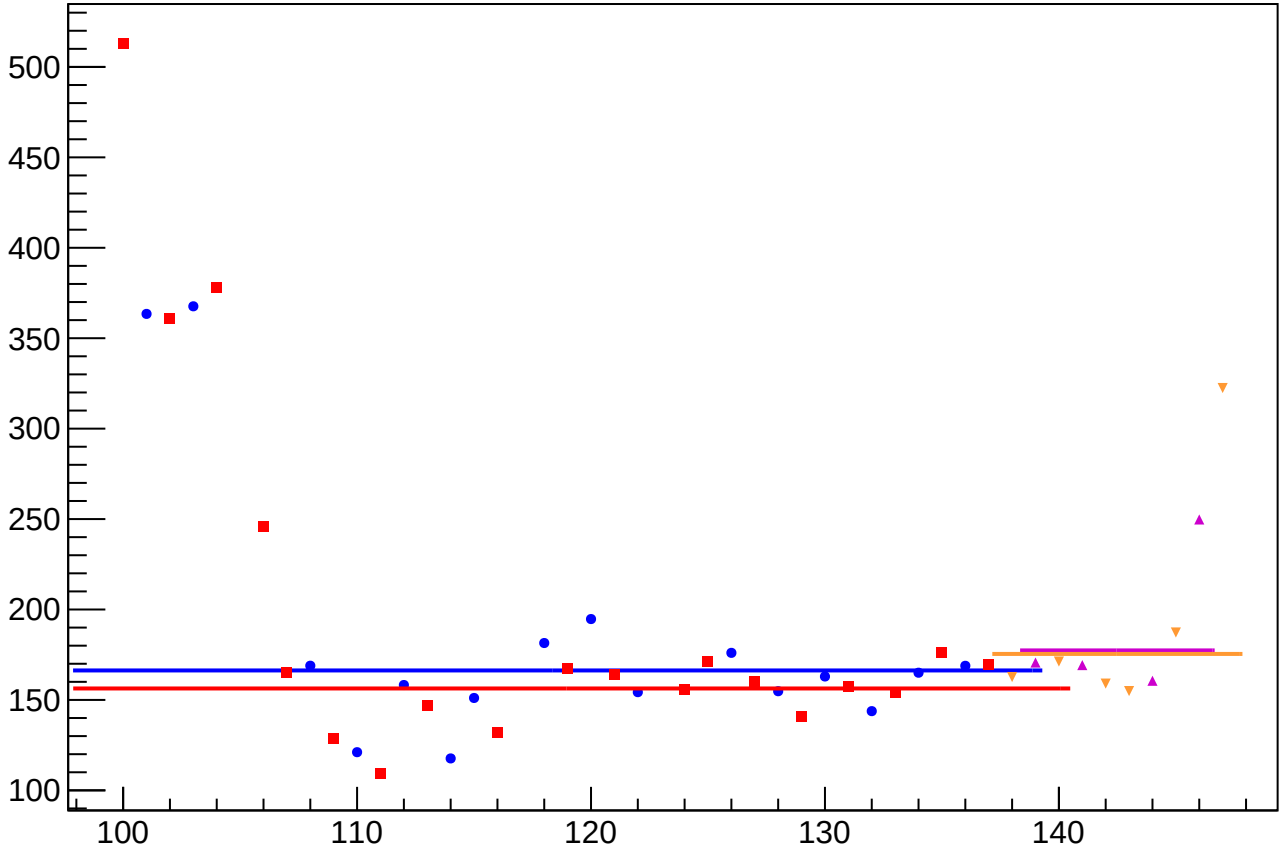
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130187.525+/-0.055 χ^2/NDF:2225924588.0/19

Out: 130503.228+/-0.050 χ^2/NDF:2473744032.6/2

All: 130359.117+/-0.037 χ^2/NDF: 47178393

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 175.434+/-0.061 χ^2/NDF:392878.1/5

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 177.377+/-0.068 χ^2/NDF:172436.0/3

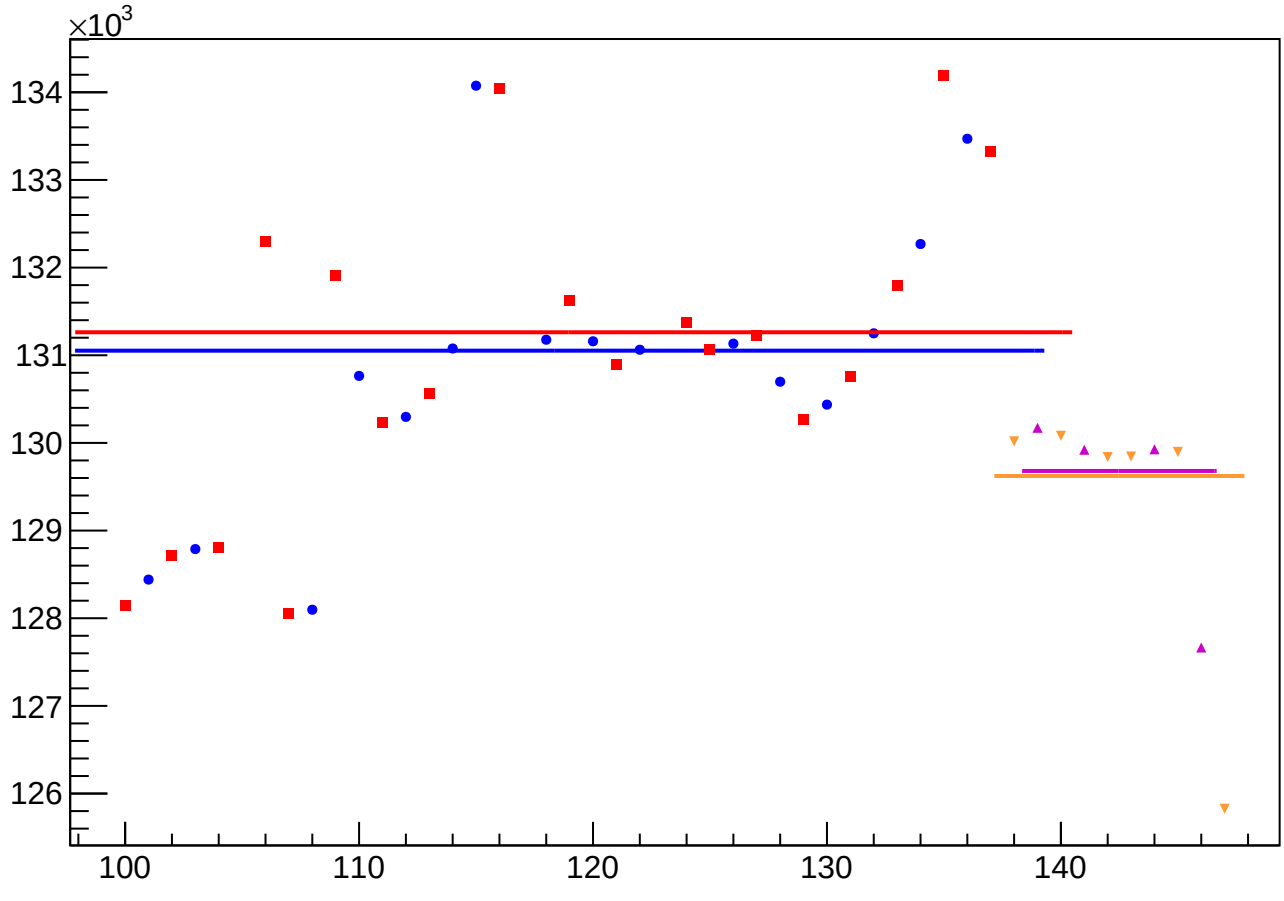
Left: 176.293+/-0.045 χ^2/NDF: 565766.2/9

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 169.843+/-0.039 χ^2/NDF:1128281.0/19

Out: 162.807+/-0.035 χ^2/NDF:1631001.4/24

All: 166.019+/-0.026 χ^2/NDF: 2777333.6/44



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129622.781+/-0.082 χ^2/NDF:183232044.4/5

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 129680.248+/-0.093 χ^2/NDF:75977108.8/3

Left: 129647.760+/-0.061 χ^2/NDF: 259424760.8/9

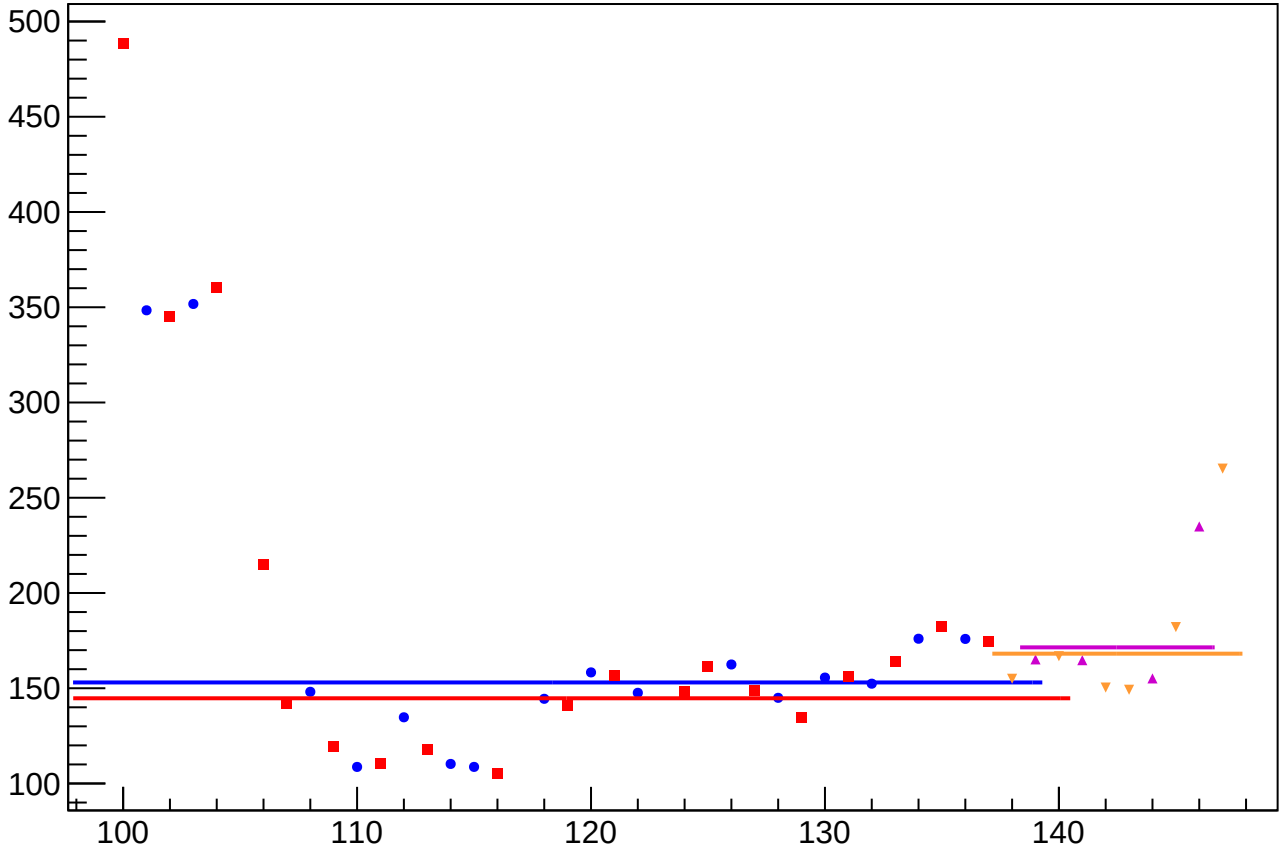
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130643.409+/-0.051 χ^2/NDF:752313794.9/19

Out: 130728.822+/-0.047 χ^2/NDF:1059869976.7/2

All: 130689.849+/-0.034 χ^2/NDF: 181372050

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 168.148+/-0.058 χ^2/NDF:277472.3/5

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 171.456+/-0.066 χ^2/NDF:152802.7/3

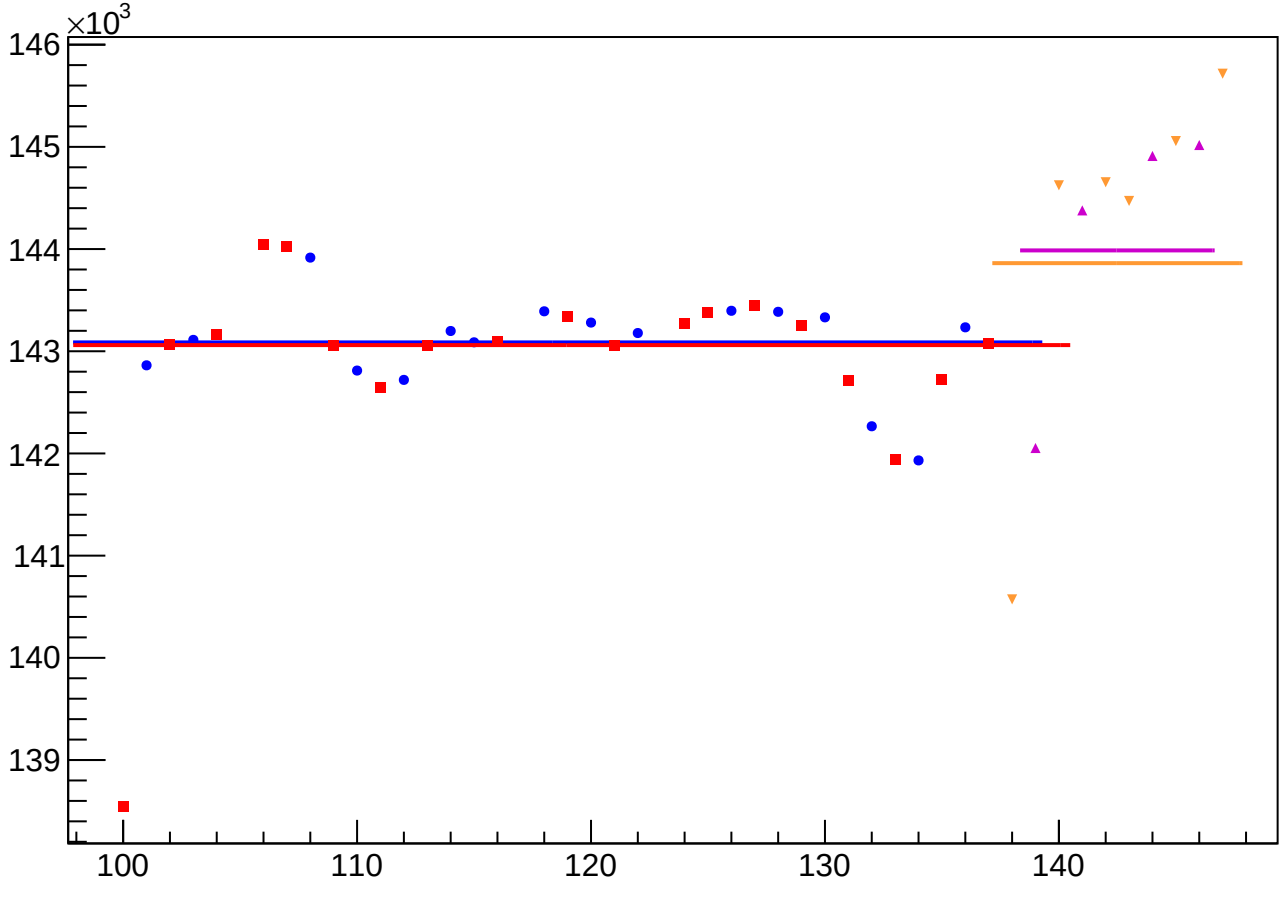
Left: 169.586+/-0.043 χ^2/NDF: 431704.1/9

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 158.531+/-0.036 χ^2/NDF:1267241.2/19

Out: 152.350+/-0.033 χ^2/NDF:1652029.7/24

All: 155.170+/-0.024 χ^2/NDF: 2935369.6/44



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 143862.086+/-0.097 χ^2/NDF:333256861.8/5

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 143986.784+/-0.109 χ^2/NDF:125854931.2/3

Left: 143917.314+/-0.072 χ^2/NDF: 459842576.4/9

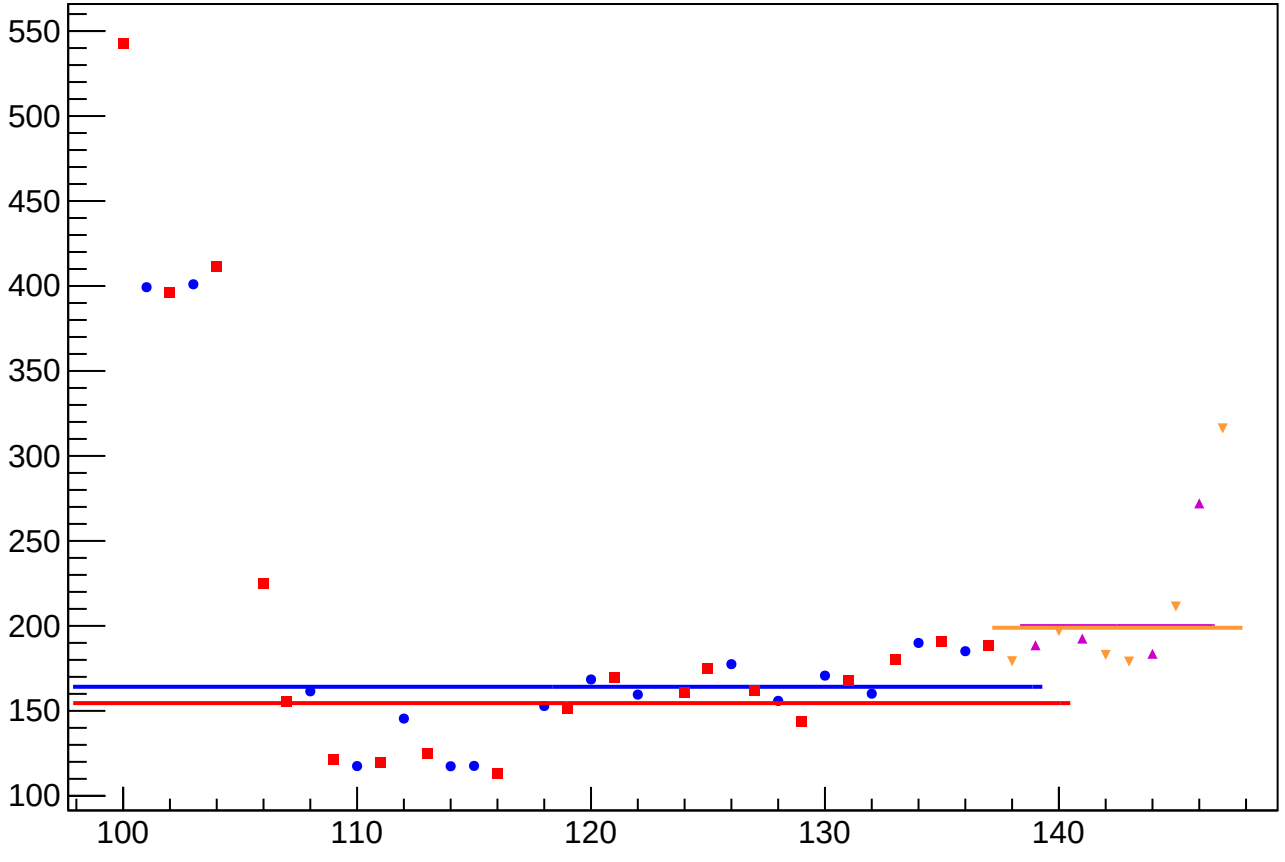
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143323.493+/-0.056 χ^2/NDF:222957884.5/19

Out: 143285.403+/-0.051 χ^2/NDF:434038562.8/24

All: 143302.881+/-0.038 χ^2/NDF: 65724803

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 198.907+/-0.069 χ^2/NDF:275544.6/5

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 199.869+/-0.077 χ^2/NDF:145638.9/3

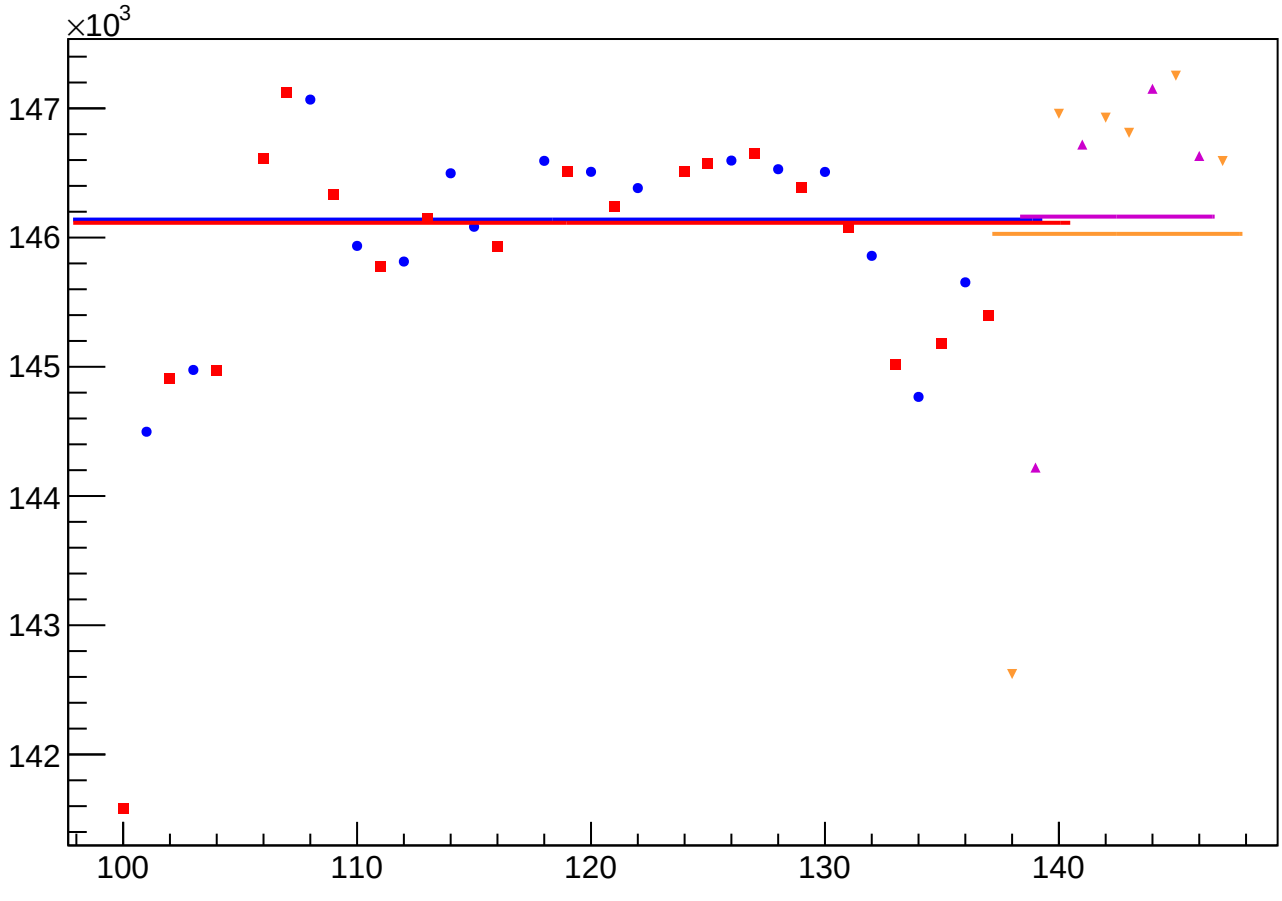
Left: 199.333+/-0.051 χ^2/NDF: 421270.6/9

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 173.566+/-0.040 χ^2/NDF:1433849.1/19

Out: 167.010+/-0.036 χ^2/NDF:1942583.8/24

All: 170.018+/-0.027 χ^2/NDF: 3391337.4/44



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146028.729+/-0.095 χ^2/NDF:345353745.0/5

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 146162.238+/-0.108 χ^2/NDF:125303596.4/3

Left: 146087.041+/-0.071 χ^2/NDF: 471520758.3/9

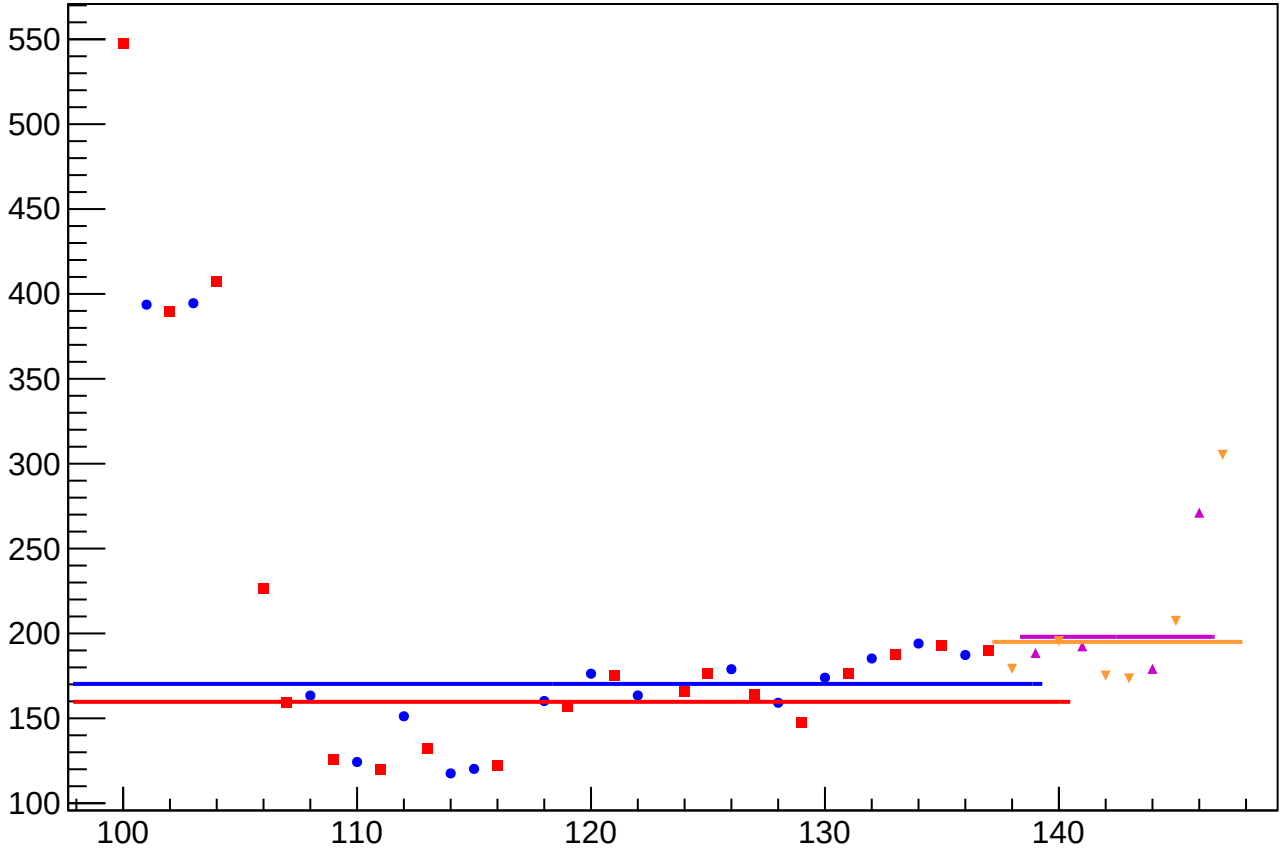
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146145.698+/-0.057 χ^2/NDF:197058158.9/19

Out: 146088.557+/-0.052 χ^2/NDF:419024640.7/24

All: 146114.544+/-0.039 χ^2/NDF: 616627872

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 195.034+/-0.067 χ^2/NDF:266355.1/5

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 198.001+/-0.076 χ^2/NDF:152139.2/3

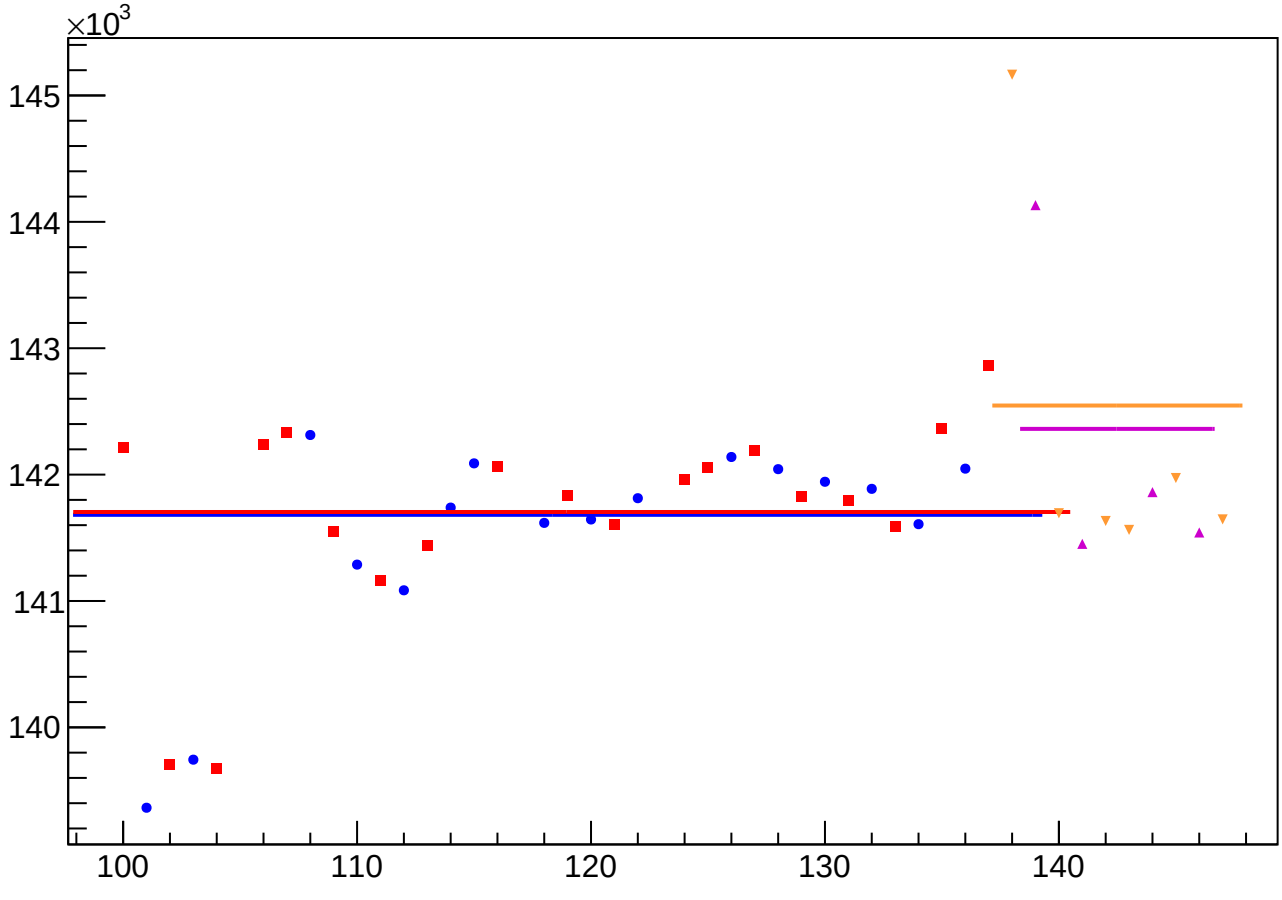
Left: 196.330+/-0.050 χ^2/NDF: 419347.2/9

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 178.065+/-0.040 χ^2/NDF:1304828.3/19

Out: 170.392+/-0.037 χ^2/NDF:1750636.9/24

All: 173.882+/-0.027 χ^2/NDF: 3075122.5/44



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142546.627+/-0.105 χ^2/NDF:199699746.4/5

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 142361.841+/-0.120 χ^2/NDF:91111957.5/3

Left: 142466.055+/-0.079 χ^2/NDF: 292155282.7/9

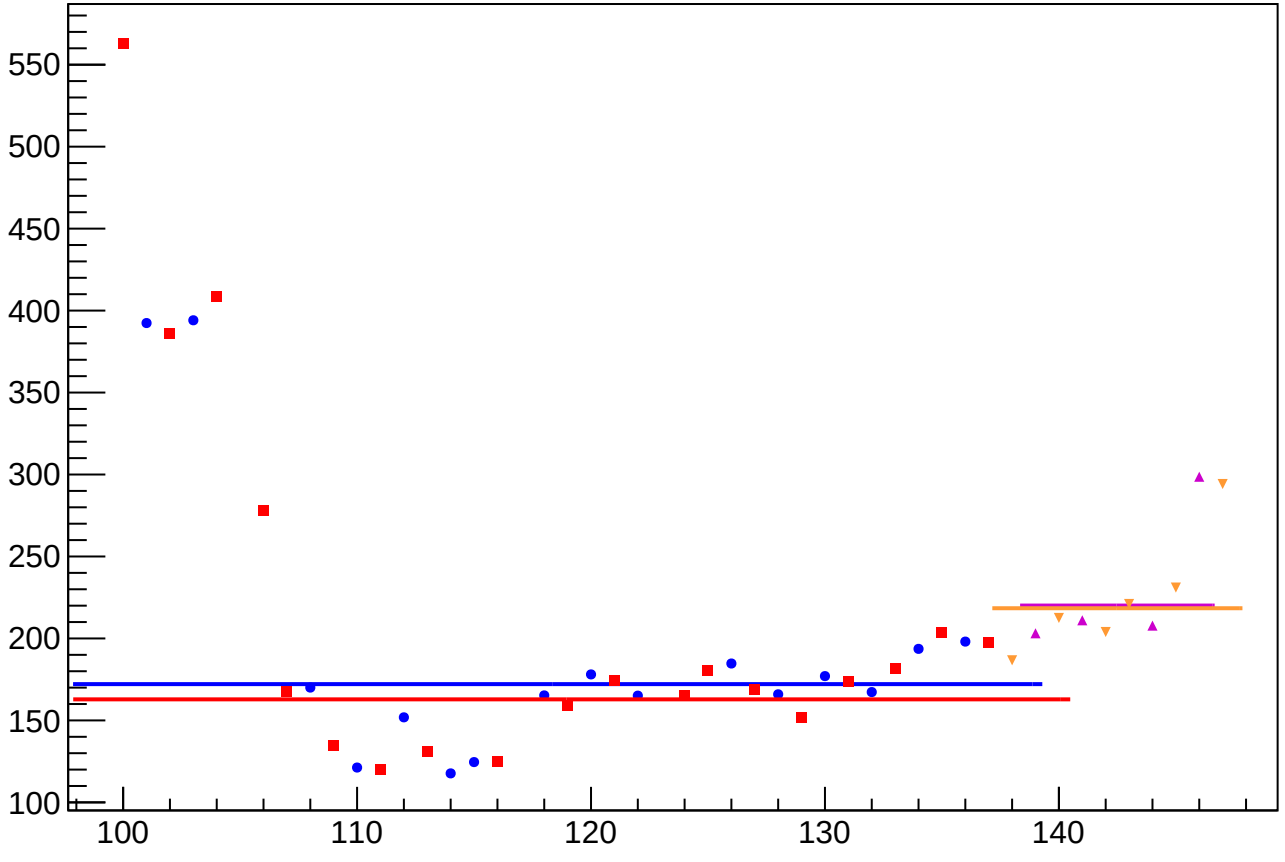
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141848.708+/-0.059 χ^2/NDF:179749771.7/19

Out: 141930.470+/-0.055 χ^2/NDF:312069223.8/24

All: 141892.992+/-0.040 χ^2/NDF: 49284857

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 218.429+/-0.074 χ^2/NDF:163448.8/5

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 220.061+/-0.085 χ^2/NDF:141202.4/3

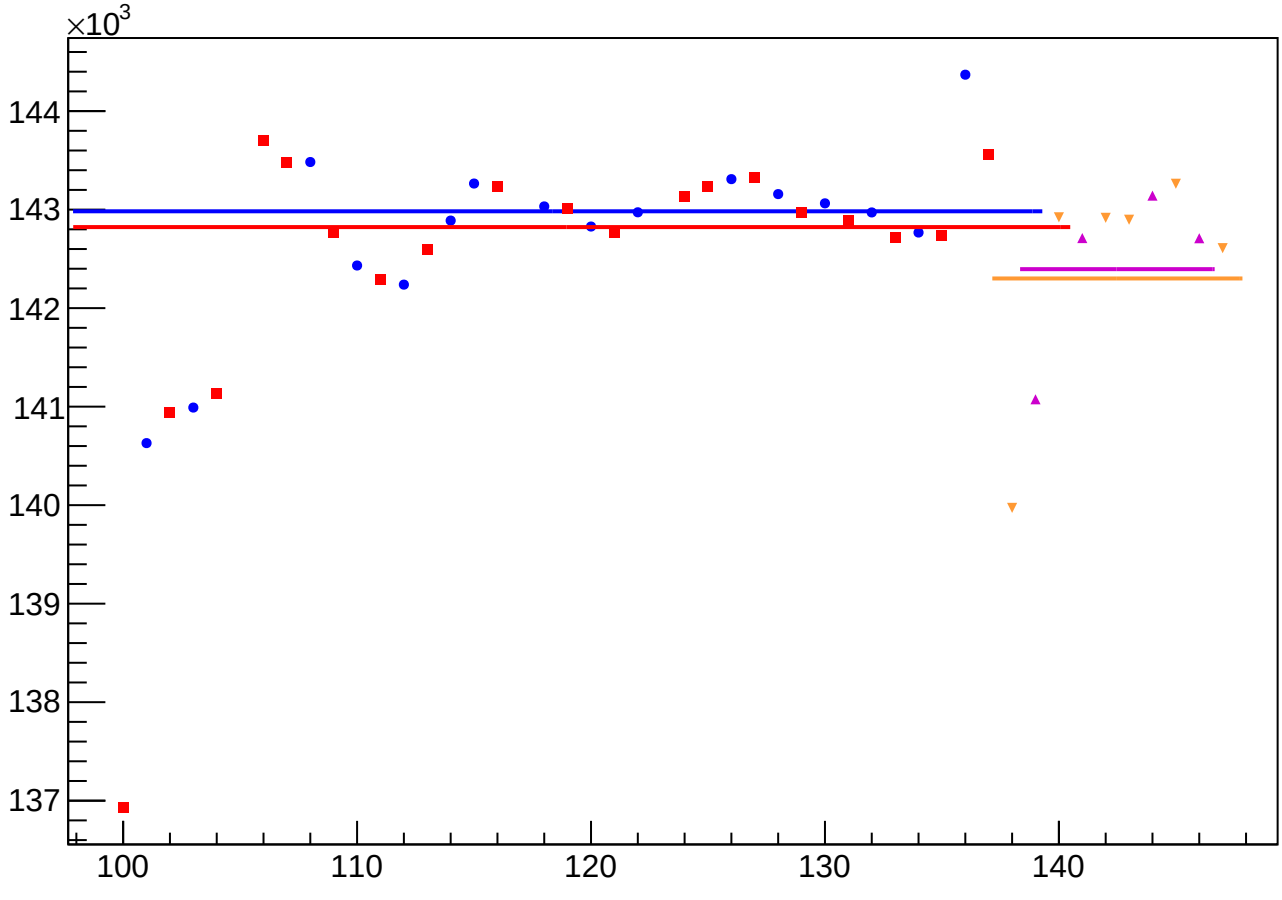
Left: 219.141+/-0.056 χ^2/NDF: 304860.8/9

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 183.898+/-0.042 χ^2/NDF:1451615.4/19

Out: 177.775+/-0.039 χ^2/NDF:1877155.3/24

All: 180.582+/-0.028 χ^2/NDF: 3340319.5/44



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142301.114+/-0.093 χ^2/NDF:180665953.1/5

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142395.717+/-0.105 χ^2/NDF:63353357.1/3

Left: 142342.576+/-0.069 χ^2/NDF: 244476296.9/9

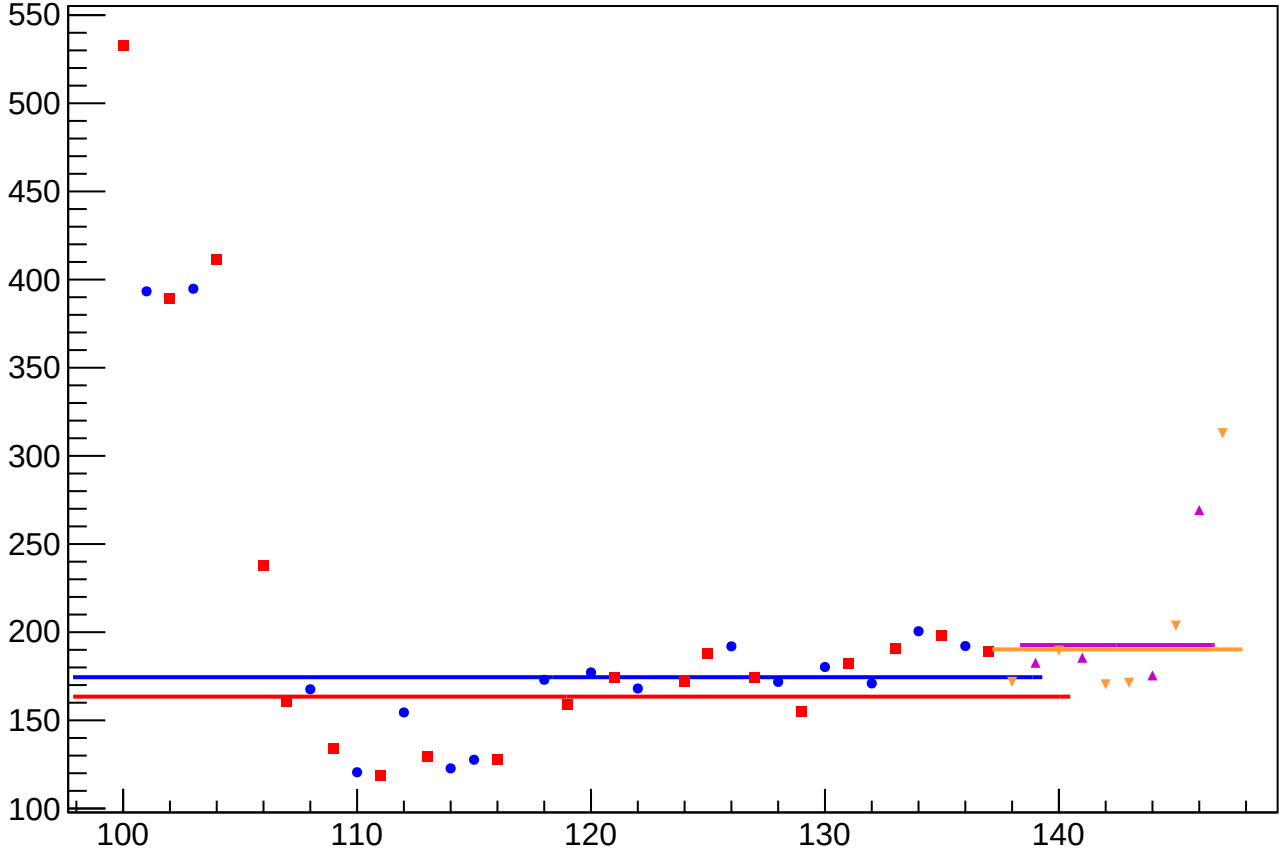
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142805.217+/-0.058 χ^2/NDF:192910548.7/19

Out: 142654.109+/-0.053 χ^2/NDF:265698583.8/24

All: 142722.787+/-0.039 χ^2/NDF: 46234922

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 190.251+/-0.066 χ^2/NDF:306968.2/5

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 192.707+/-0.074 χ^2/NDF:166145.4/3

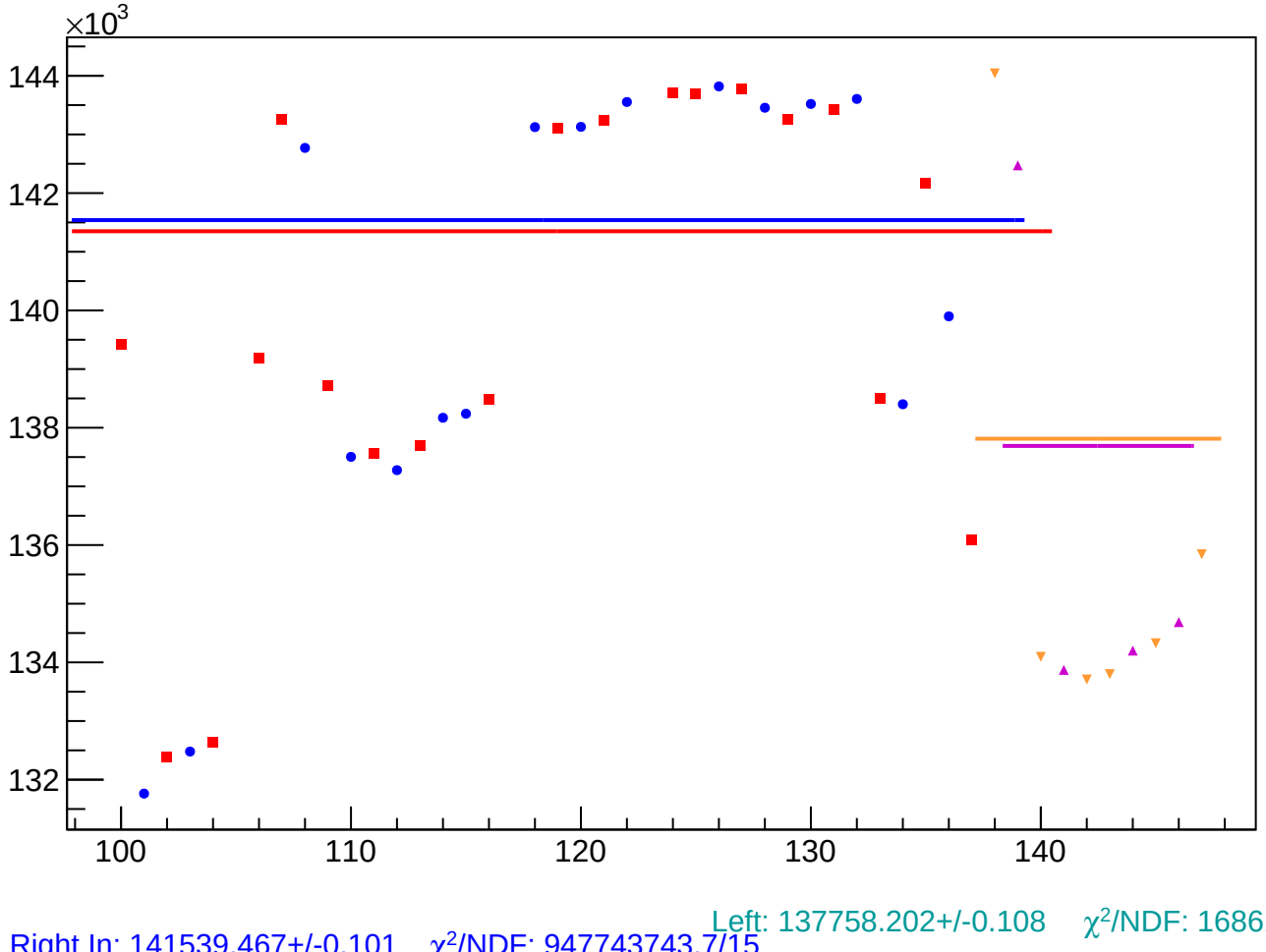
Left: 191.328+/-0.049 χ^2/NDF: 473729.4/9

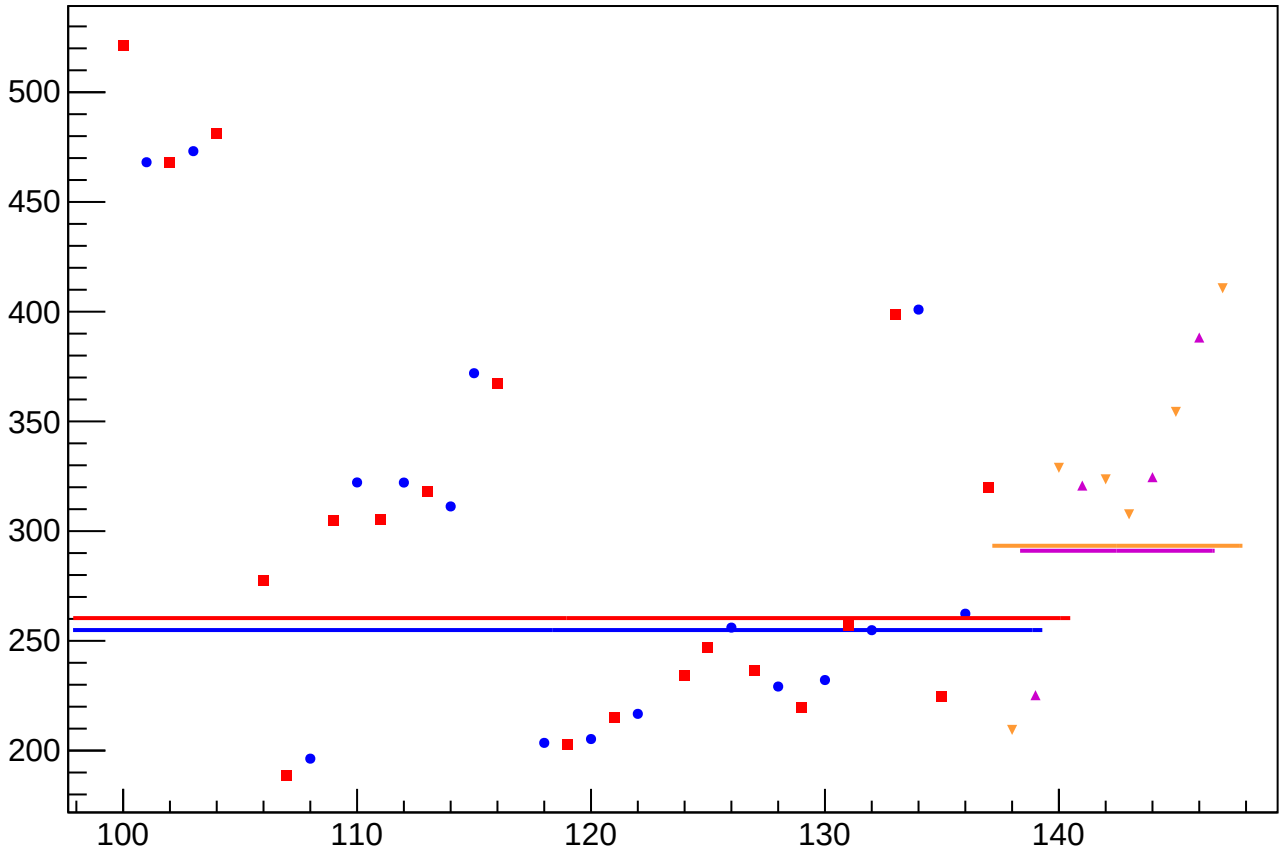
Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 179.989+/-0.041 χ^2/NDF:1257447.0/19

Out: 172.113+/-0.037 χ^2/NDF:1702743.7/24

All: 175.692+/-0.028 χ^2/NDF: 2980512.8/44


yield_bpm0r03WS_mean vs Slug, Sign Corrected
×10^3
144
142
140
138
136
134
132
100
110
120
130
140
Right In: 141539.467+/-0.101 χ²/NDF: 947743743.7/15
Left Out: 137812.848+/-0.145 χ²/NDF:1052080793.6/5
Right Out: 141349.499+/-0.101 χ²/NDF: 926661757.9/18
Left In: 137689.902+/-0.163 χ²/NDF:633739376.9/3
Left: 137758.202+/-0.108 χ²/NDF: 1686137802.1/9
Right: 141444.713+/-0.071 χ²/NDF: 1876176691.0/
In: 140470.545+/-0.086 χ²/NDF:1986380668.1/19
Out: 140197.972+/-0.083 χ²/NDF:2377539881.4/2
All: 140329.912+/-0.060 χ²/NDF: 43691424



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 293.331+/-0.103 χ^2/NDF:448098.1/5

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 291.056+/-0.115 χ^2/NDF:274444.8/3

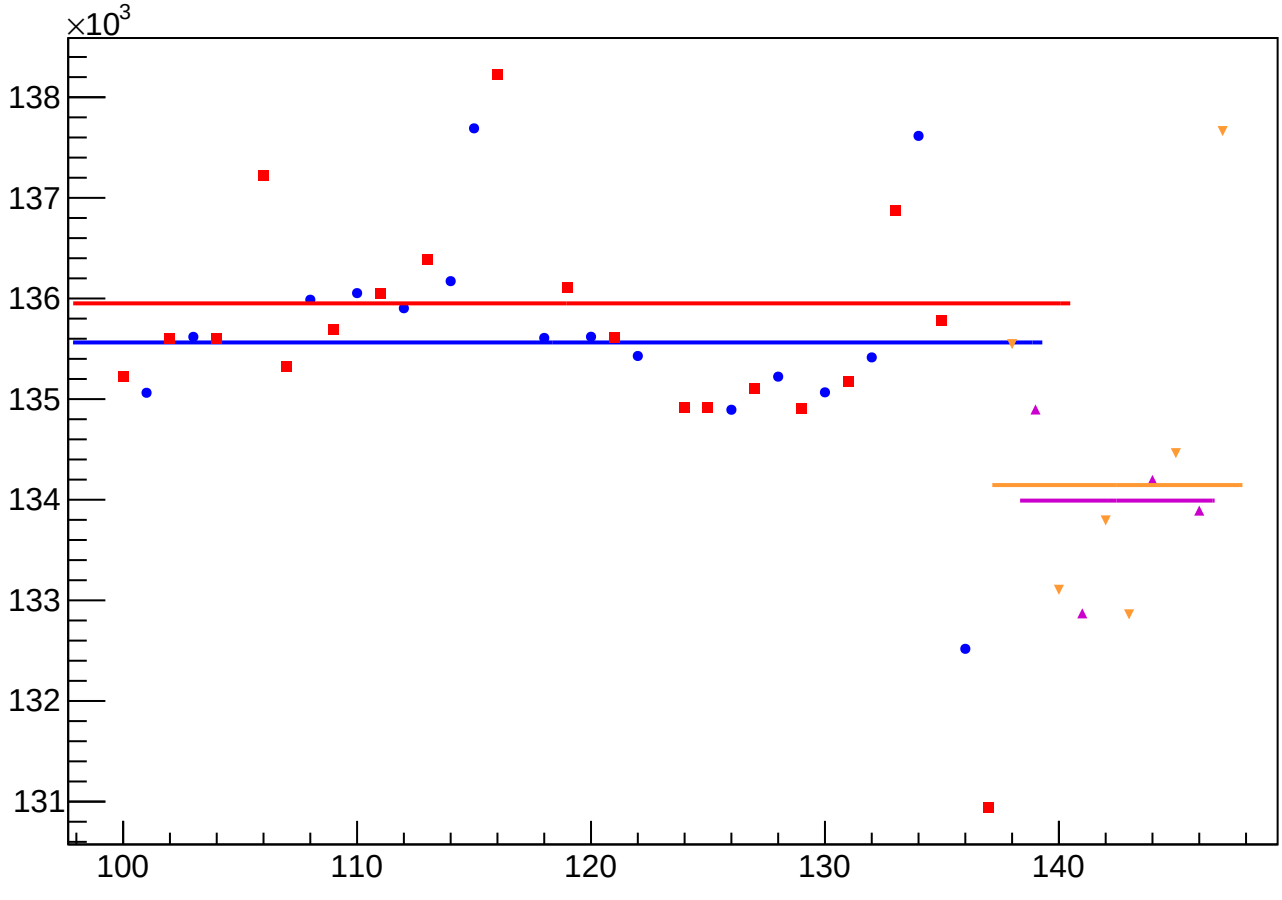
Left: 292.320+/-0.077 χ^2/NDF: 722760.6/9

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 264.953+/-0.061 χ^2/NDF:1295756.3/19

Out: 271.101+/-0.059 χ^2/NDF:1510685.4/24

All: 268.125+/-0.042 χ^2/NDF: 2811754.7/44



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134145.808+/-0.100 χ^2/NDF:165681539.7/5

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133991.407+/-0.112 χ^2/NDF:47672305.7/3

Left: 134077.248+/-0.075 χ^2/NDF: 214403262.6/9

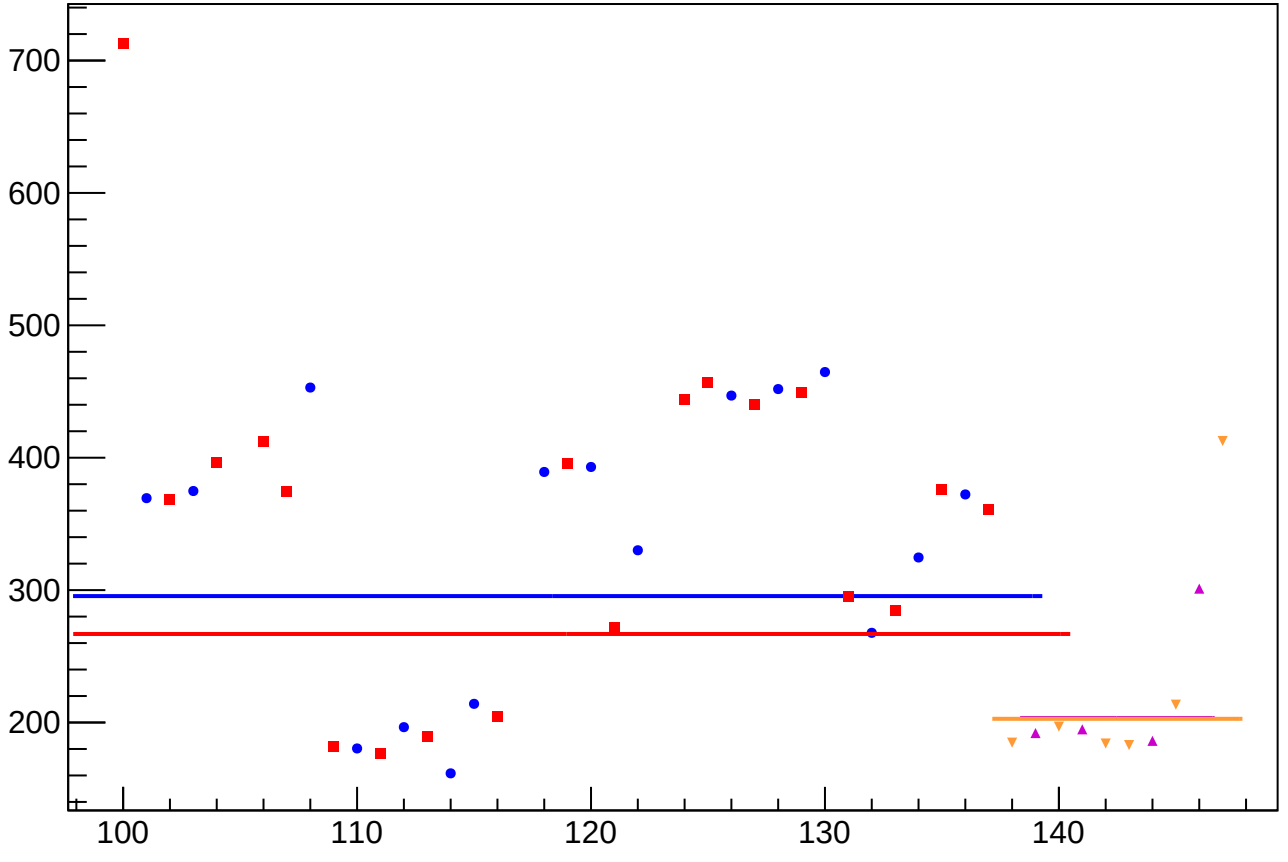
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134736.590+/-0.081 χ^2/NDF:234571637.6/19

Out: 134997.006+/-0.073 χ^2/NDF:409629131.4/24

All: 134881.038+/-0.054 χ^2/NDF: 64986460

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 202.799+/-0.071 χ^2/NDF:473255.0/5

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 203.358+/-0.079 χ^2/NDF:196183.5/3

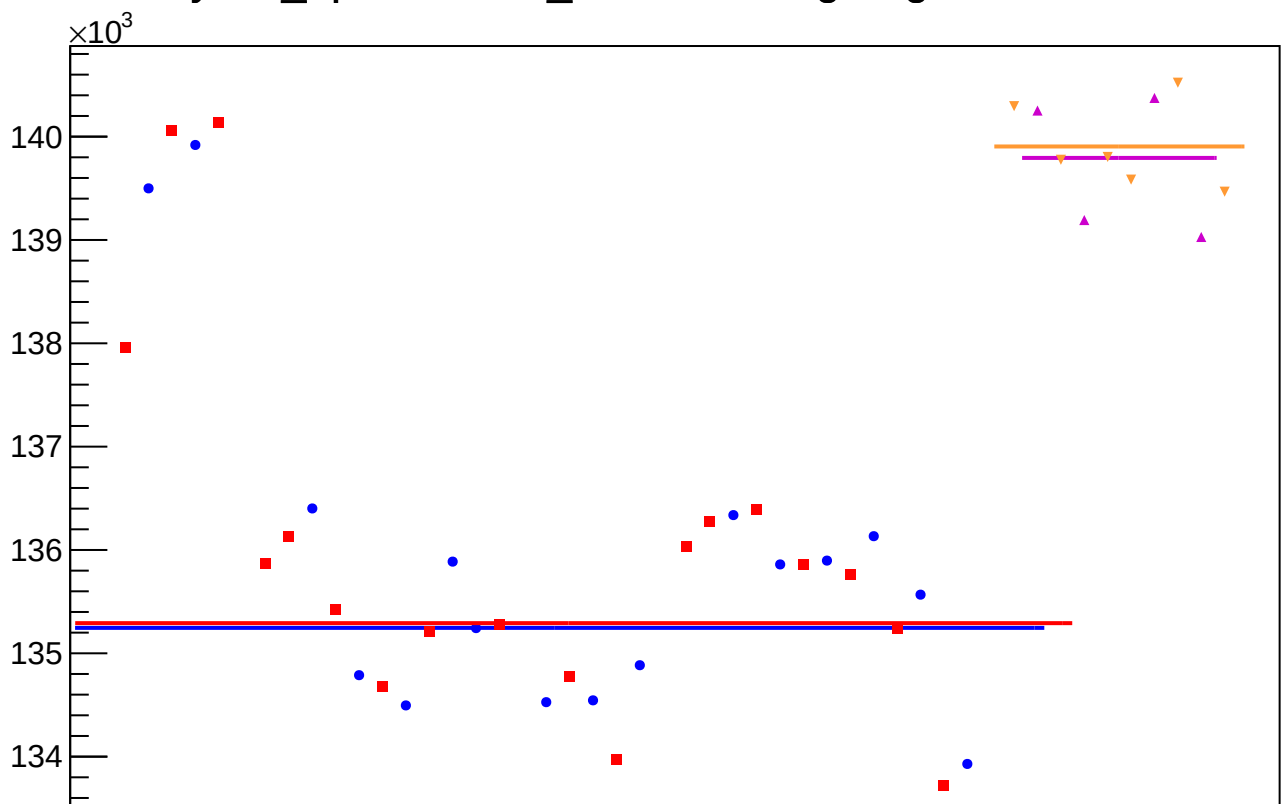
Left: 203.047+/-0.053 χ^2/NDF: 669466.1/9

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 247.037+/-0.058 χ^2/NDF:2275914.6/19

Out: 232.999+/-0.052 χ^2/NDF:2534939.1/24

All: 239.251+/-0.038 χ^2/NDF: 4843770.4/44



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 139904.796+/-0.092 χ^2/NDF:15133198.0/5

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 139794.084+/-0.107 χ^2/NDF:30097232.2/3

Left: 139857.452+/-0.070 χ^2/NDF: 45846463.2/9

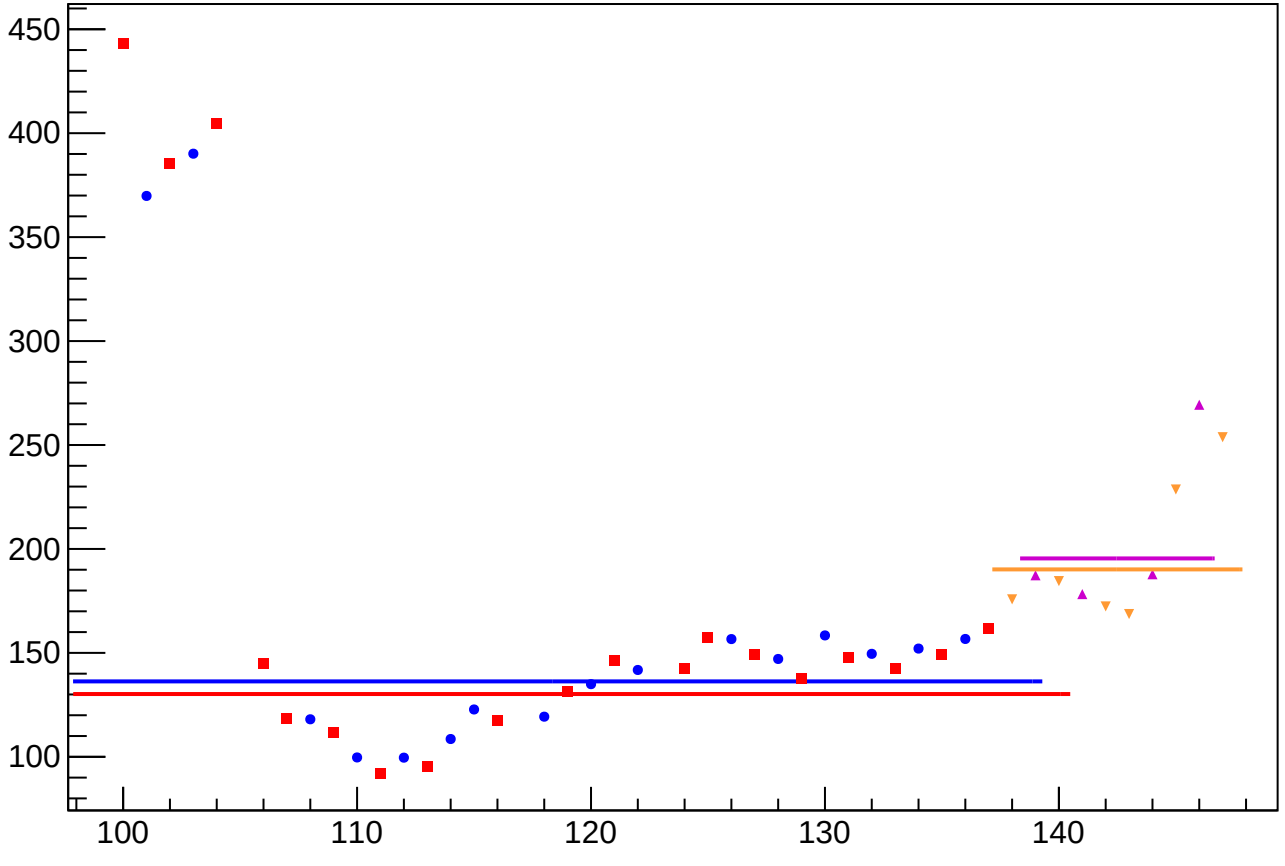
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 136193.113+/-0.049 χ^2/NDF:1856486233.5/19

Out: 136396.189+/-0.045 χ^2/NDF:2299141791.2/2

All: 136302.347+/-0.033 χ^2/NDF: 41649838

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 190.159+/-0.065 χ^2/NDF:188520.3/5

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 195.437+/-0.075 χ^2/NDF:148570.8/3

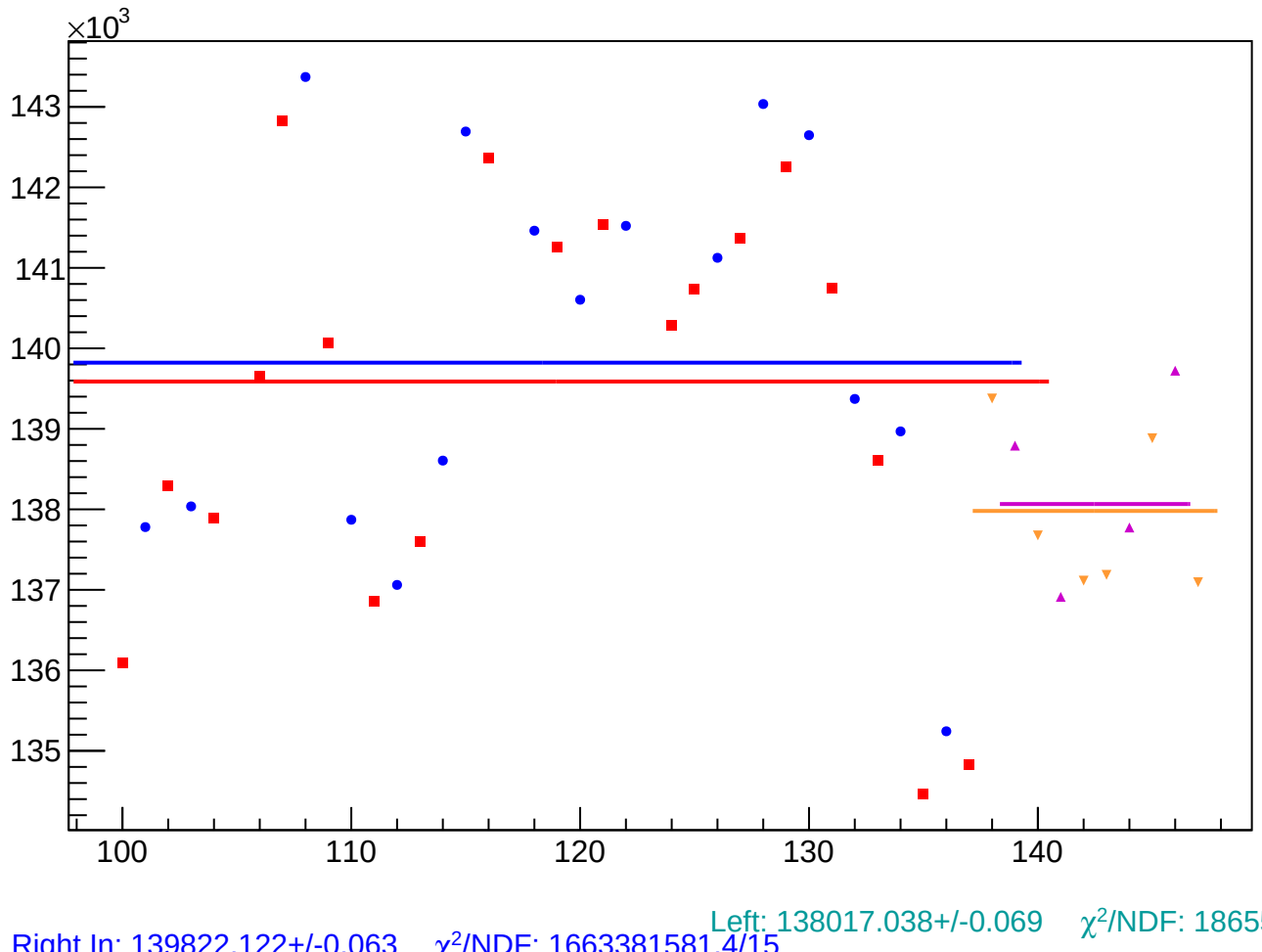
Left: 192.416+/-0.049 χ^2/NDF: 339891.4/9

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 148.600+/-0.034 χ^2/NDF:2019178.1/19

Out: 144.559+/-0.032 χ^2/NDF:2351988.5/24

All: 146.426+/-0.023 χ^2/NDF: 4378578.5/44



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137980.162+/-0.092 χ^2/NDF:102812870.4/5

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 138066.021+/-0.106 χ^2/NDF:83367923.5/3

Left: 138017.038+/-0.069 χ^2/NDF: 186556065.6/9

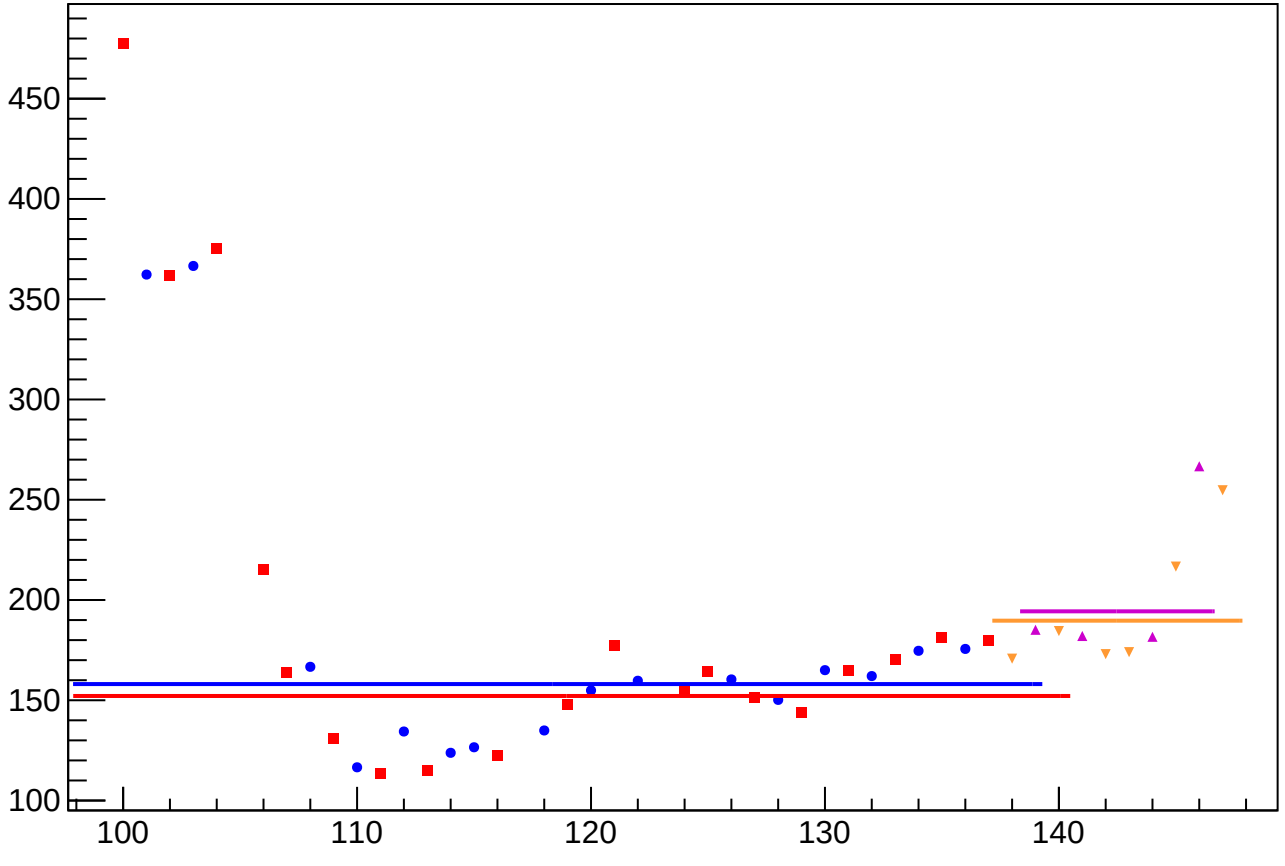
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 139367.237+/-0.054 χ^2/NDF:1950649654.5/19

Out: 139110.114+/-0.050 χ^2/NDF:1801068978.2/2

All: 139229.271+/-0.037 χ^2/NDF: 37639387

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 189.691+/-0.065 χ^2/NDF:169548.7/5

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 194.350+/-0.075 χ^2/NDF:148127.0/3

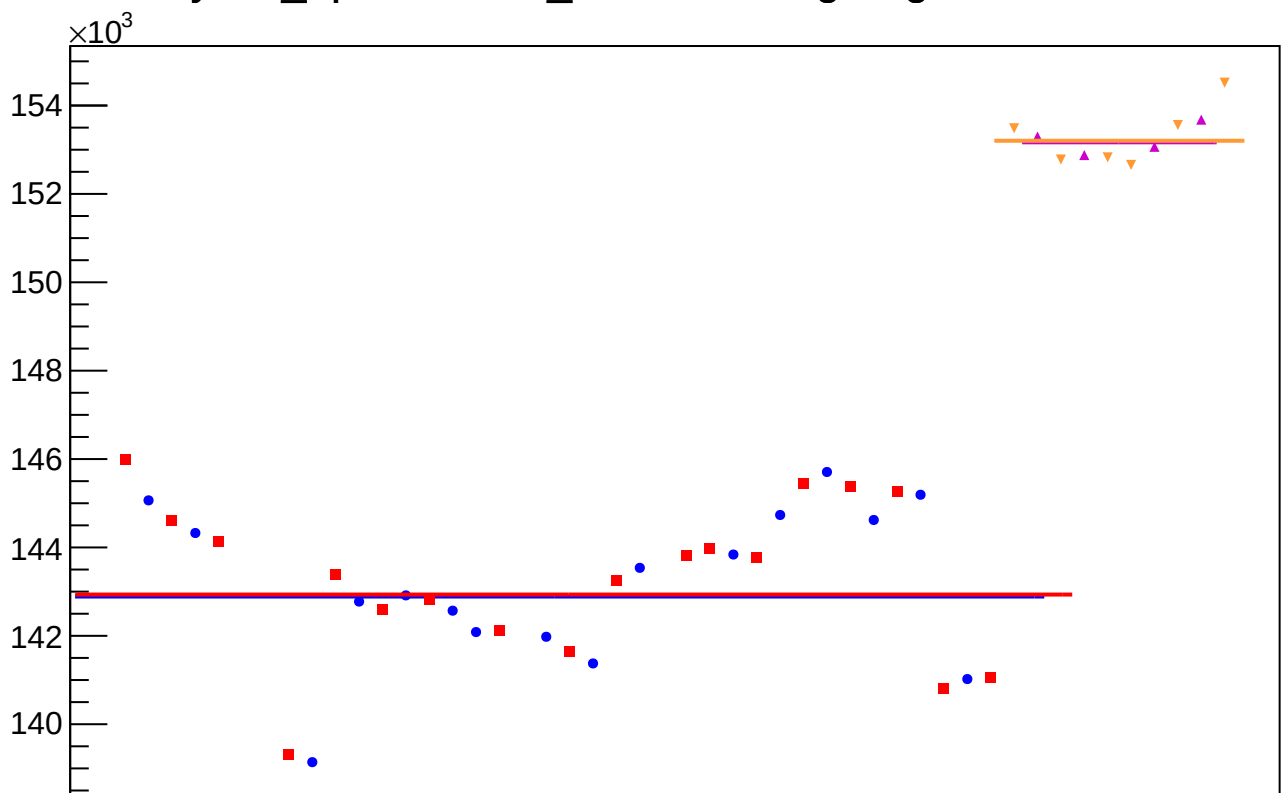
Left: 191.692+/-0.049 χ^2/NDF: 319885.0/9

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 167.474+/-0.038 χ^2/NDF:1340017.7/19

Out: 163.298+/-0.035 χ^2/NDF:1633554.2/24

All: 165.234+/-0.026 χ^2/NDF: 2980019.1/44



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 153203.107+/-0.094 χ^2/NDF:38158571.6/5

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 153167.669+/-0.106 χ^2/NDF:6190955.4/3

Left: 153187.651+/-0.070 χ^2/NDF: 44412136.4/9

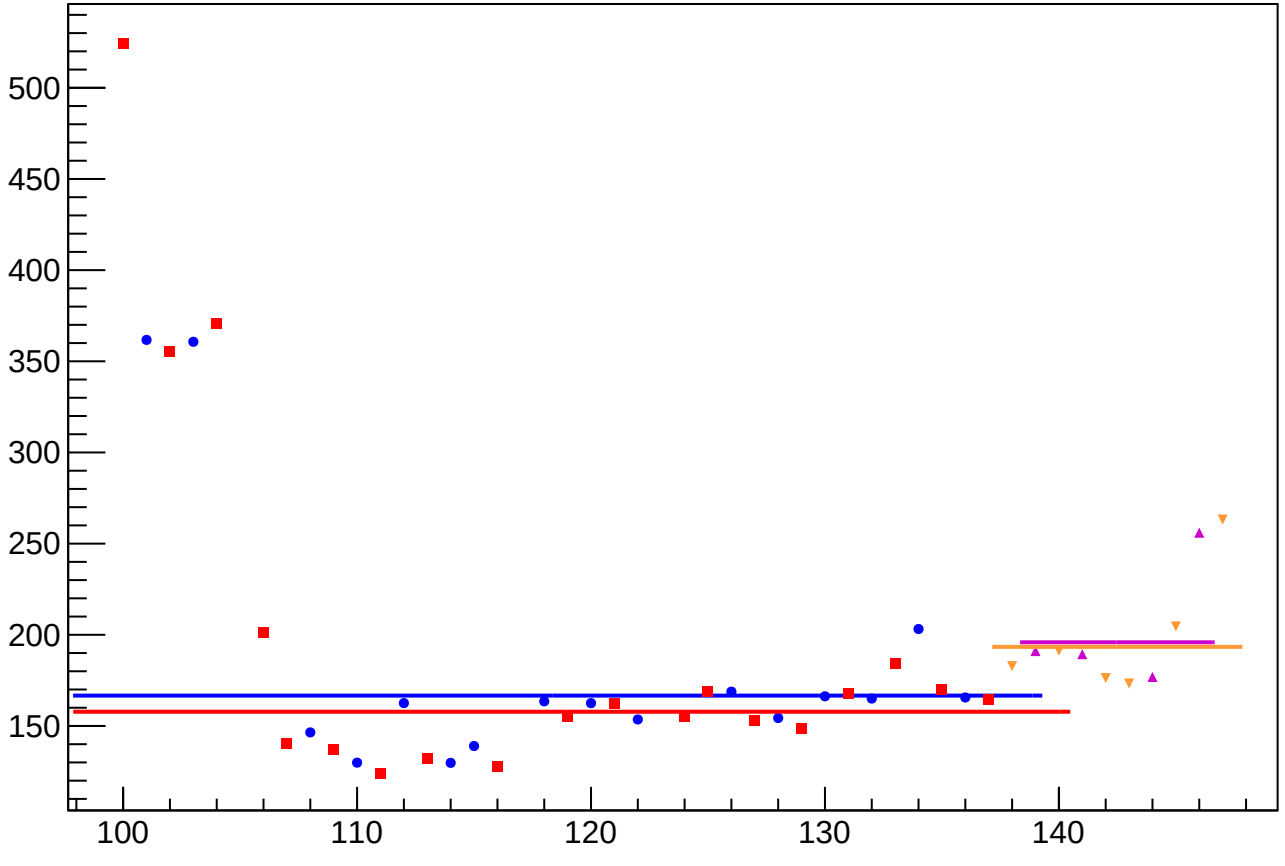
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145727.621+/-0.056 χ^2/NDF:7530939912.0/19

Out: 146036.266+/-0.051 χ^2/NDF:9238771208.6/2

All: 145894.799+/-0.038 χ^2/NDF: 16786232

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 193.378+/-0.066 χ^2/NDF:153876.7/5

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 195.880+/-0.075 χ^2/NDF:119476.4/3

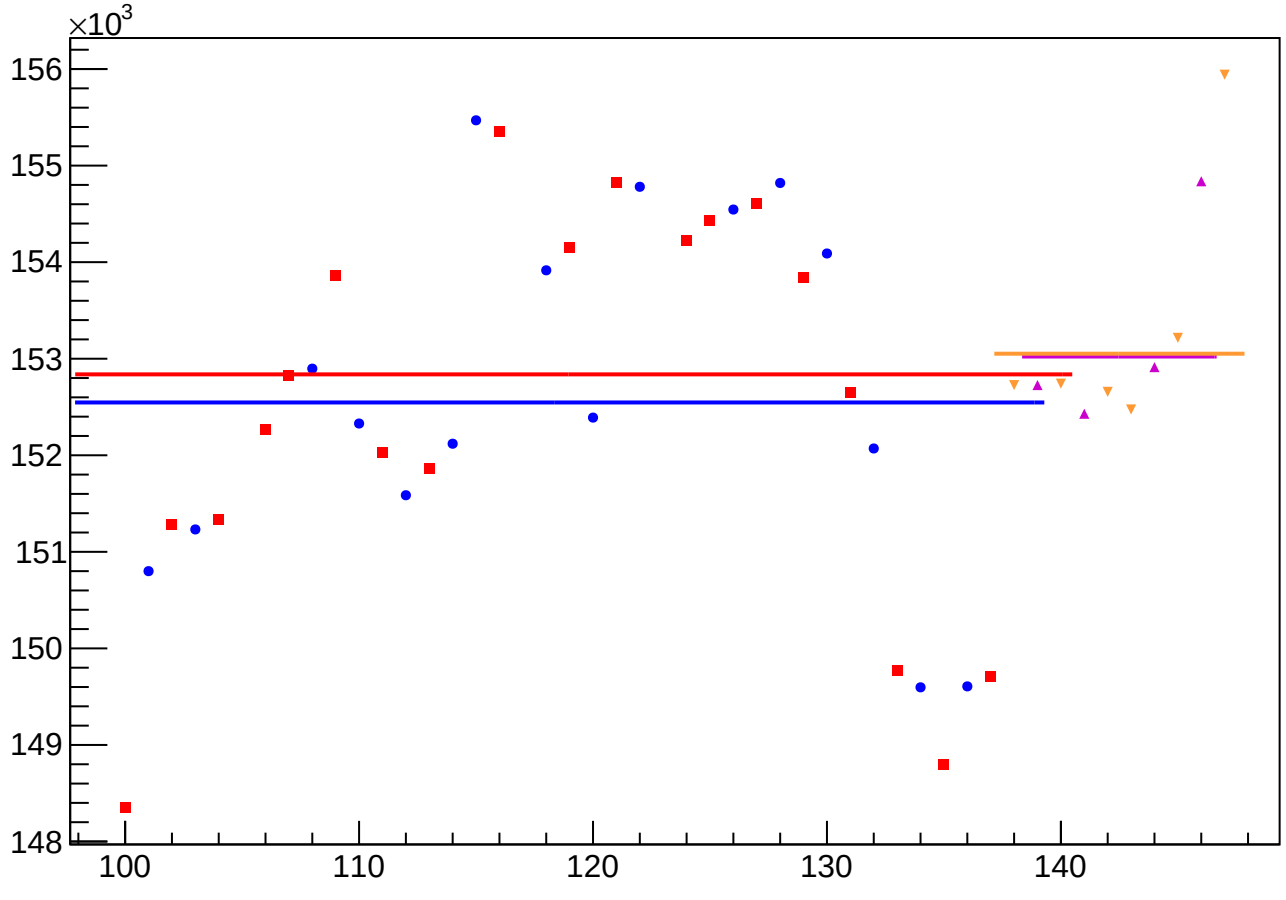
Left: 194.469+/-0.050 χ^2/NDF: 273976.9/9

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 174.726+/-0.040 χ^2/NDF:1092367.5/19

Out: 168.555+/-0.036 χ^2/NDF:1378079.7/24

All: 171.383+/-0.027 χ^2/NDF: 2483658.2/44



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 153051.978+/-0.092 χ^2/NDF:110079789.9/5

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 153022.829+/-0.107 χ^2/NDF:54050920.6/3

Left: 153039.479+/-0.070 χ^2/NDF: 164173495.8/9

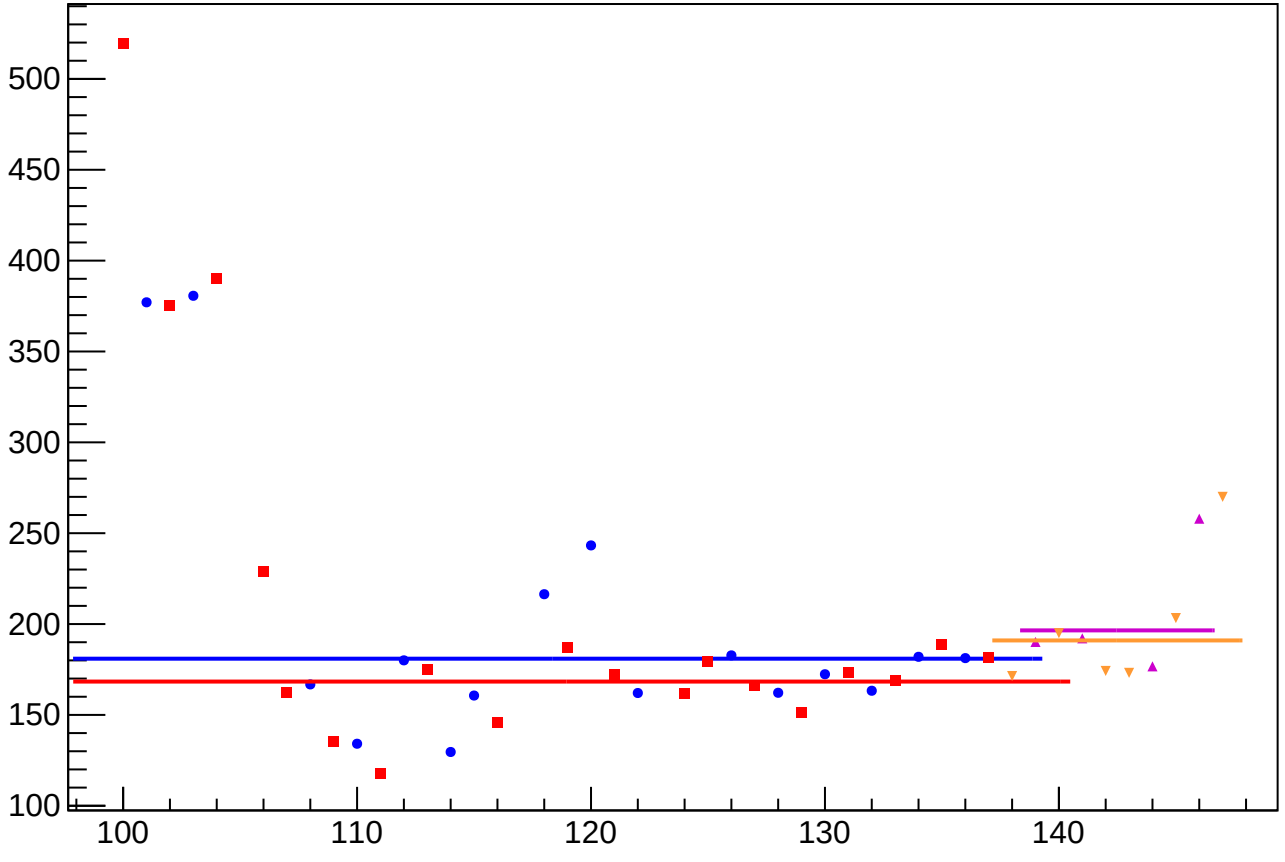
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152697.924+/-0.060 χ^2/NDF:722222643.7/19

Out: 152911.296+/-0.054 χ^2/NDF:850523644.1/24

All: 152815.734+/-0.040 χ^2/NDF: 15797294

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 190.987+/-0.065 χ^2/NDF:191220.6/5

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 196.517+/-0.075 χ^2/NDF:124510.1/3

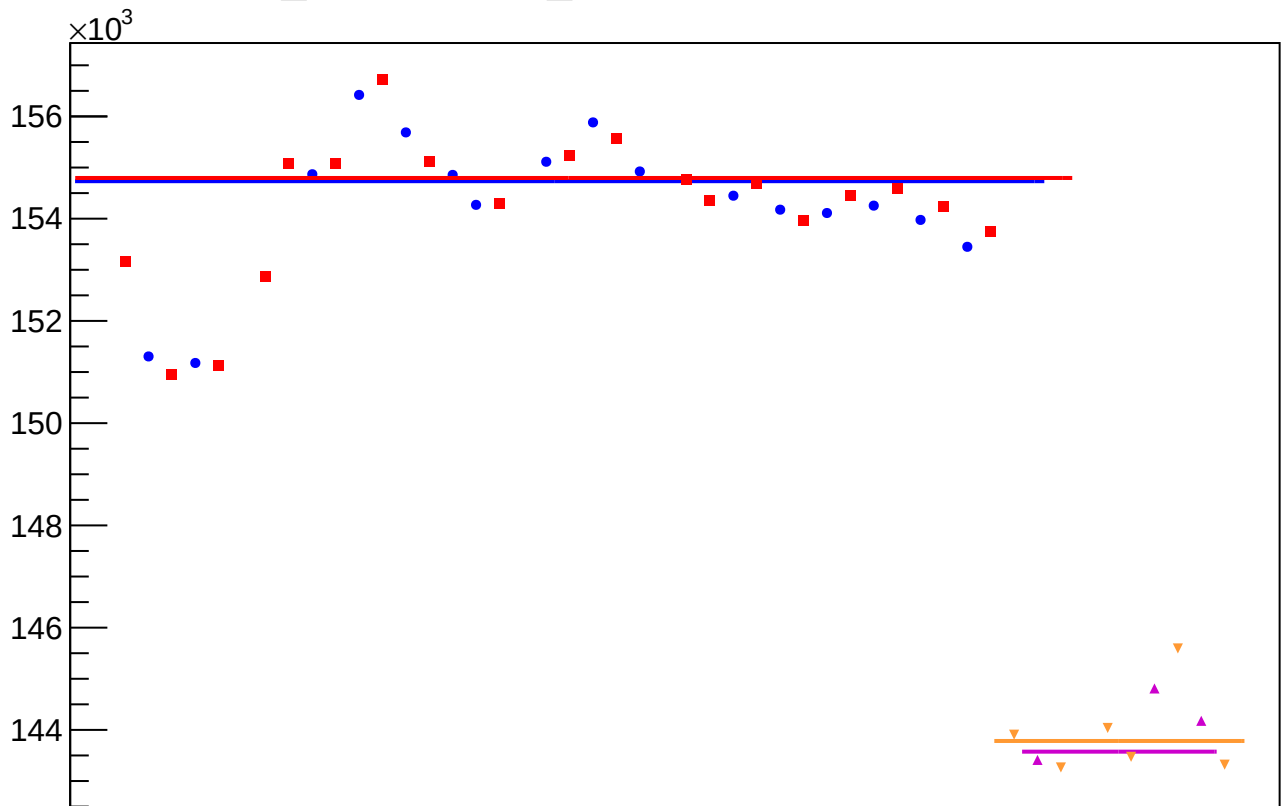
Left: 193.358+/-0.049 χ^2/NDF: 318810.4/9

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 185.882+/-0.042 χ^2/NDF:1061476.8/19

Out: 176.111+/-0.038 χ^2/NDF:1359397.1/24

All: 180.487+/-0.028 χ^2/NDF: 2450159.3/44



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 143783.358+/-0.086 χ^2/NDF:68633561.4/5

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 143574.410+/-0.098 χ^2/NDF:93672513.6/3

Left: 143693.273+/-0.065 χ^2/NDF: 164877357.4/9

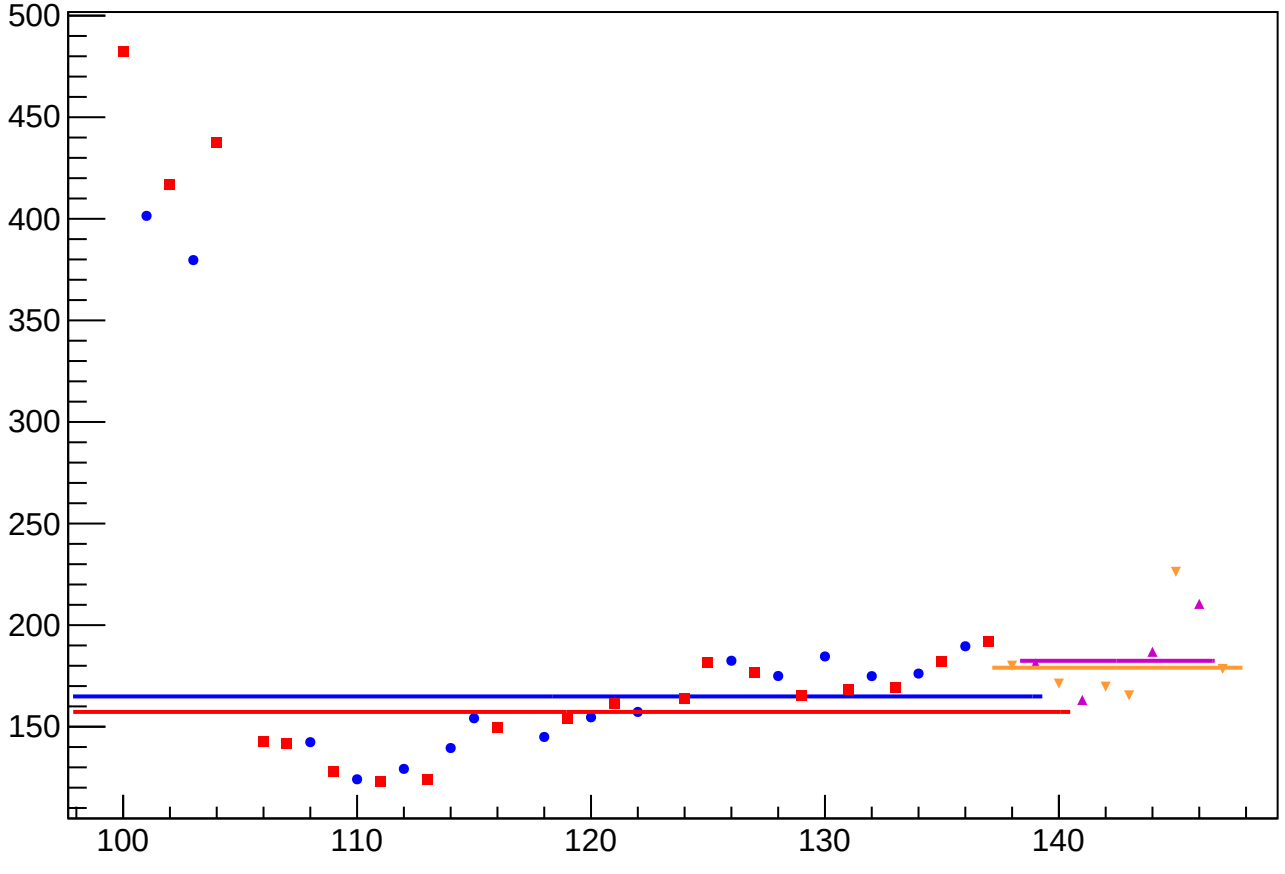
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 151323.279+/-0.054 χ^2/NDF:9320190439.7/19

Out: 151079.419+/-0.050 χ^2/NDF:11348507618.9

All: 151190.531+/-0.037 χ^2/NDF: 20679665

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 179.042+/-0.061 χ^2/NDF:86983.9/5

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 182.444+/-0.069 χ^2/NDF:56431.0/3

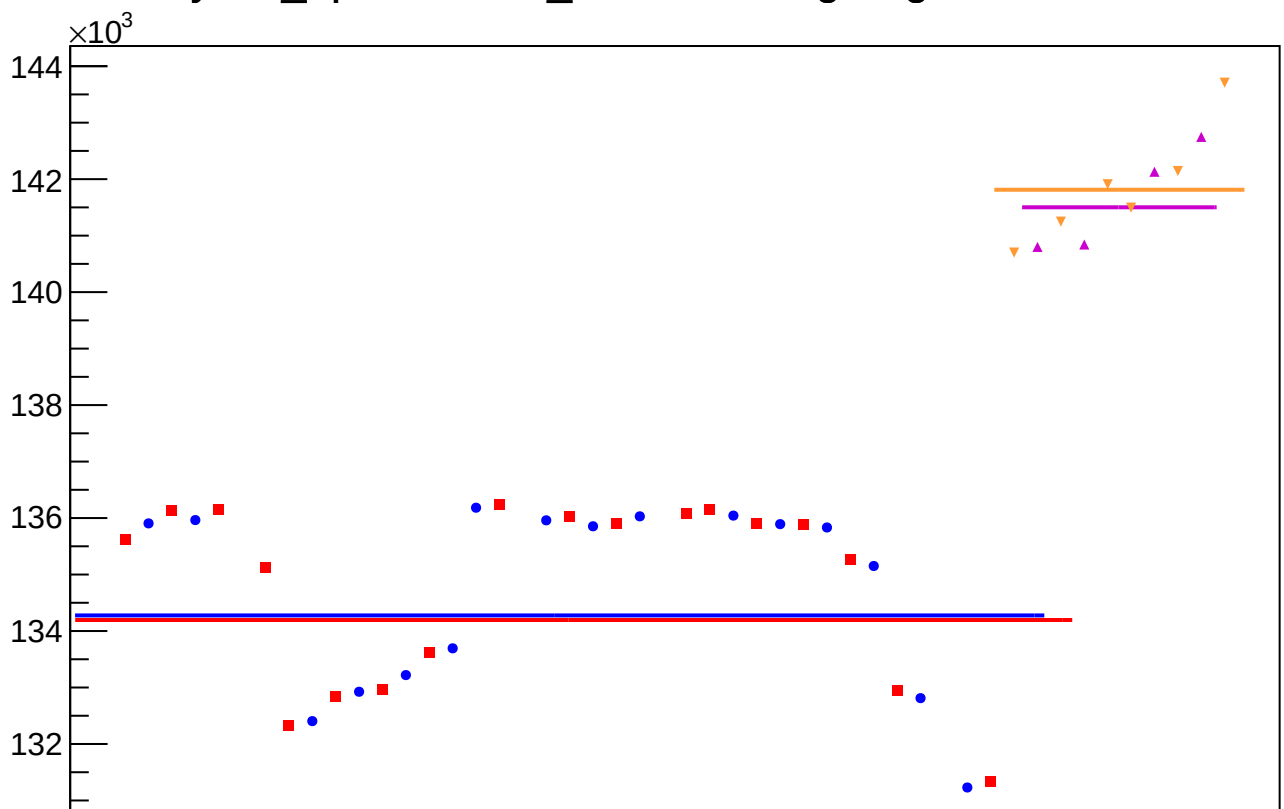
Left: 180.509+/-0.046 χ^2/NDF: 144778.1/9

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 170.266+/-0.038 χ^2/NDF:1173387.8/19

Out: 164.626+/-0.035 χ^2/NDF:1427516.3/24

All: 167.196+/-0.026 χ^2/NDF: 2612634.6/44



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 141812.413+/-0.084 χ^2/NDF:134254382.8/5

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 141501.796+/-0.096 χ^2/NDF:69451976.0/3

Left: 141677.912+/-0.063 χ^2/NDF: 209607617.4/9

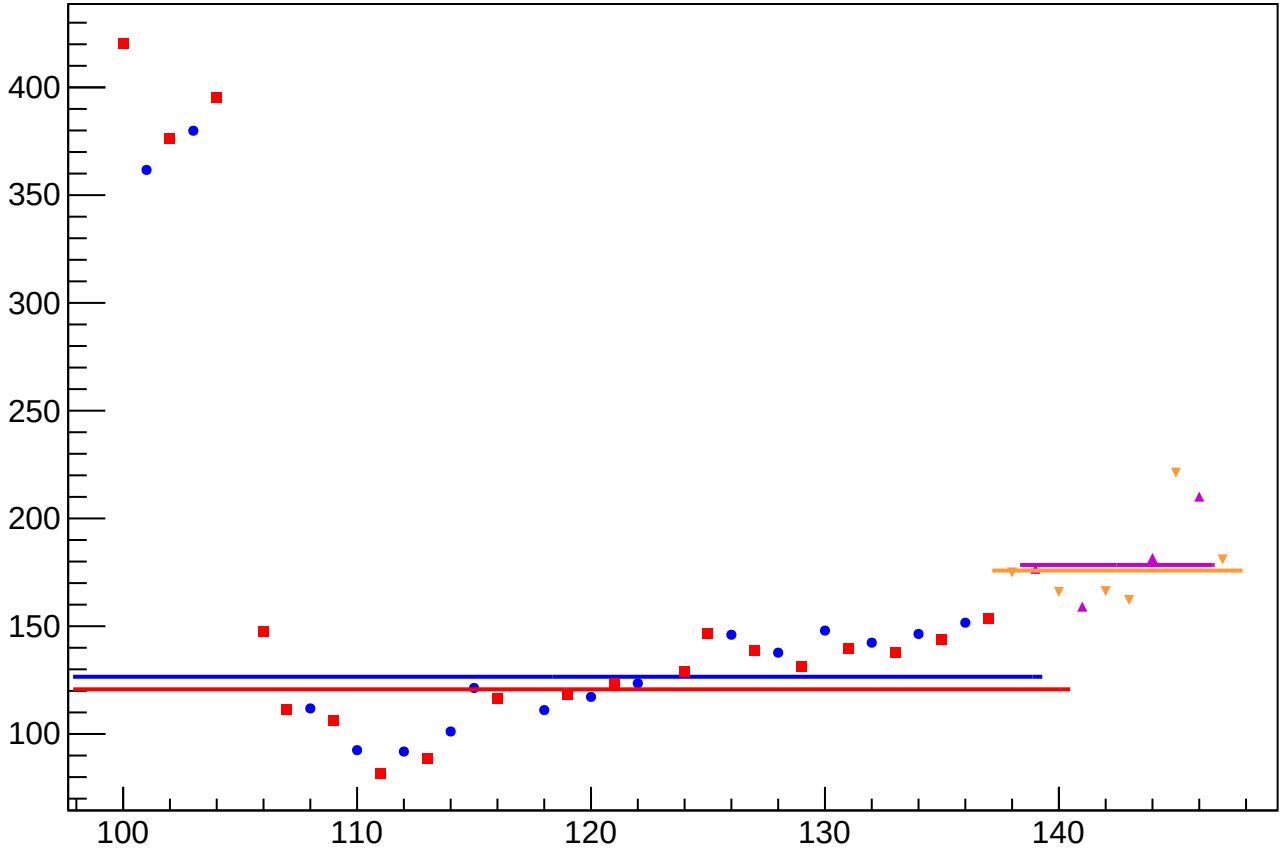
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 135850.819+/-0.045 χ^2/NDF:5617093577.9/19

Out: 136064.038+/-0.042 χ^2/NDF:7524723114.8/2

All: 135965.469+/-0.031 χ^2/NDF: 13153917

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 175.824+/-0.059 χ^2/NDF:89101.3/5

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 178.421+/-0.068 χ^2/NDF:66178.2/3

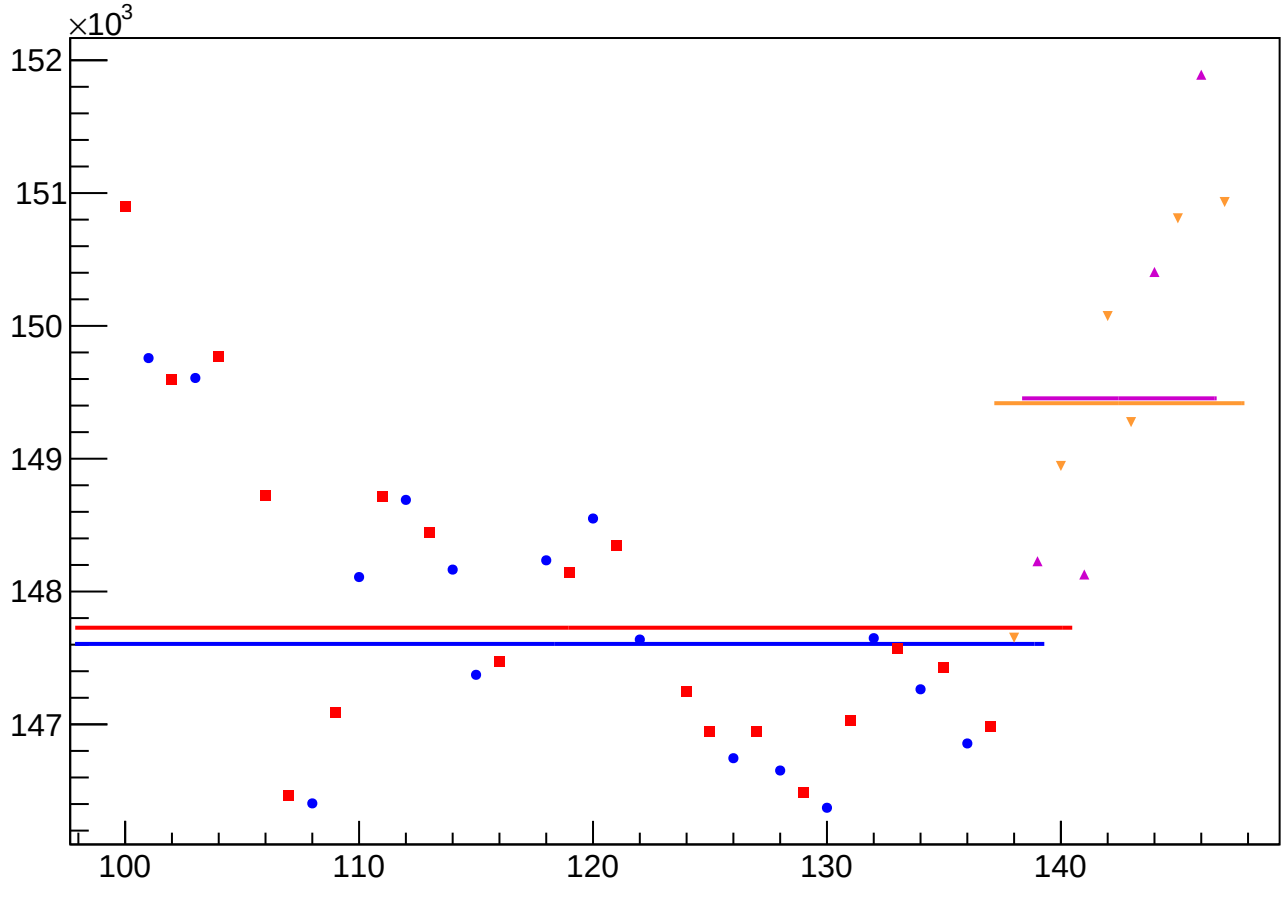
Left: 176.949+/-0.045 χ^2/NDF: 156104.0/9

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 137.855+/-0.032 χ^2/NDF:1997572.5/19

Out: 134.242+/-0.029 χ^2/NDF:2369124.3/24

All: 135.912+/-0.022 χ^2/NDF: 4373647.5/44



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 149417.899+/-0.102 χ^2/NDF:121435277.0/5

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 149454.490+/-0.117 χ^2/NDF:162924875.4/3

Left: 149433.818+/-0.077 χ^2/NDF: 284415808.6/9

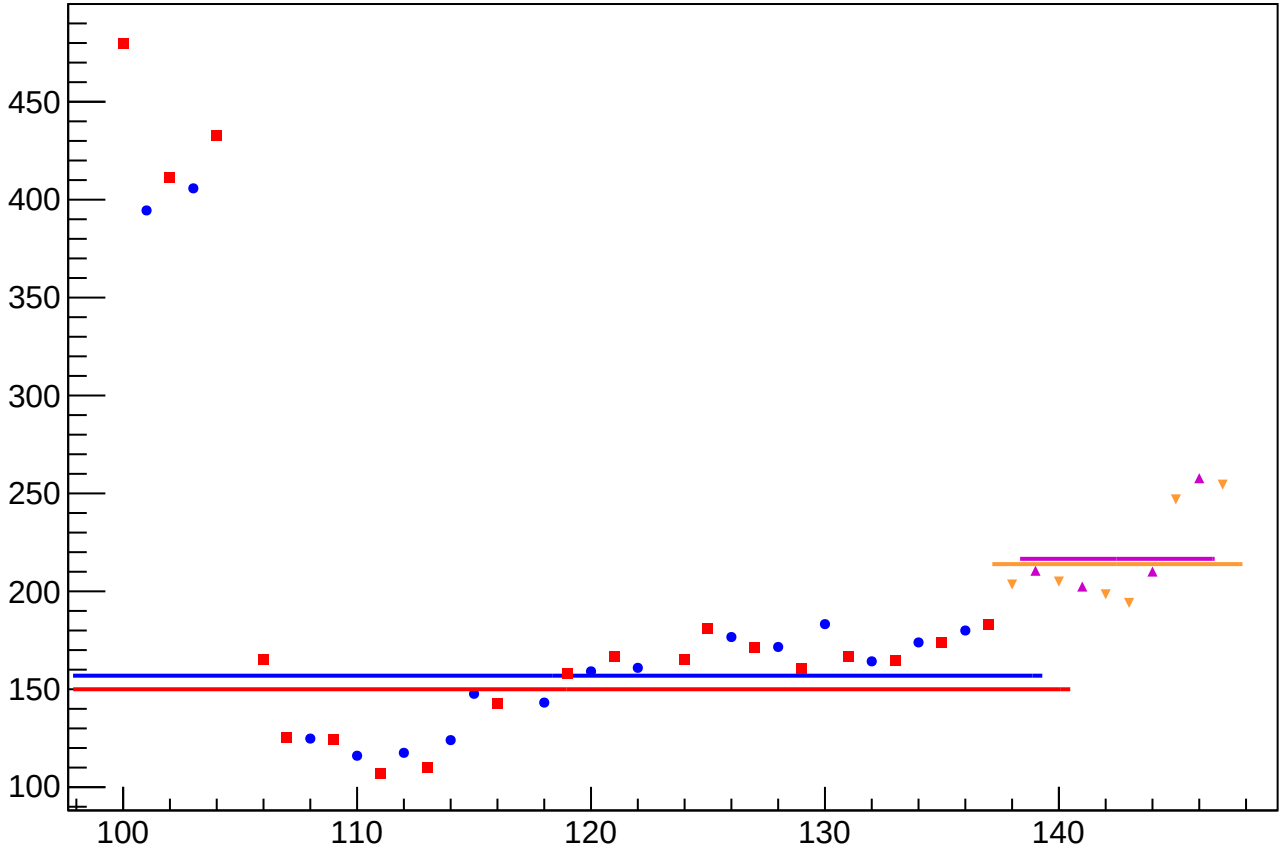
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 148018.110+/-0.055 χ^2/NDF:558845413.3/19

Out: 148148.760+/-0.051 χ^2/NDF:521212848.5/24

All: 148088.352+/-0.037 χ^2/NDF: 10830848

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 213.891+/-0.072 χ^2/NDF:99296.3/5

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 216.597+/-0.082 χ^2/NDF:56646.7/3

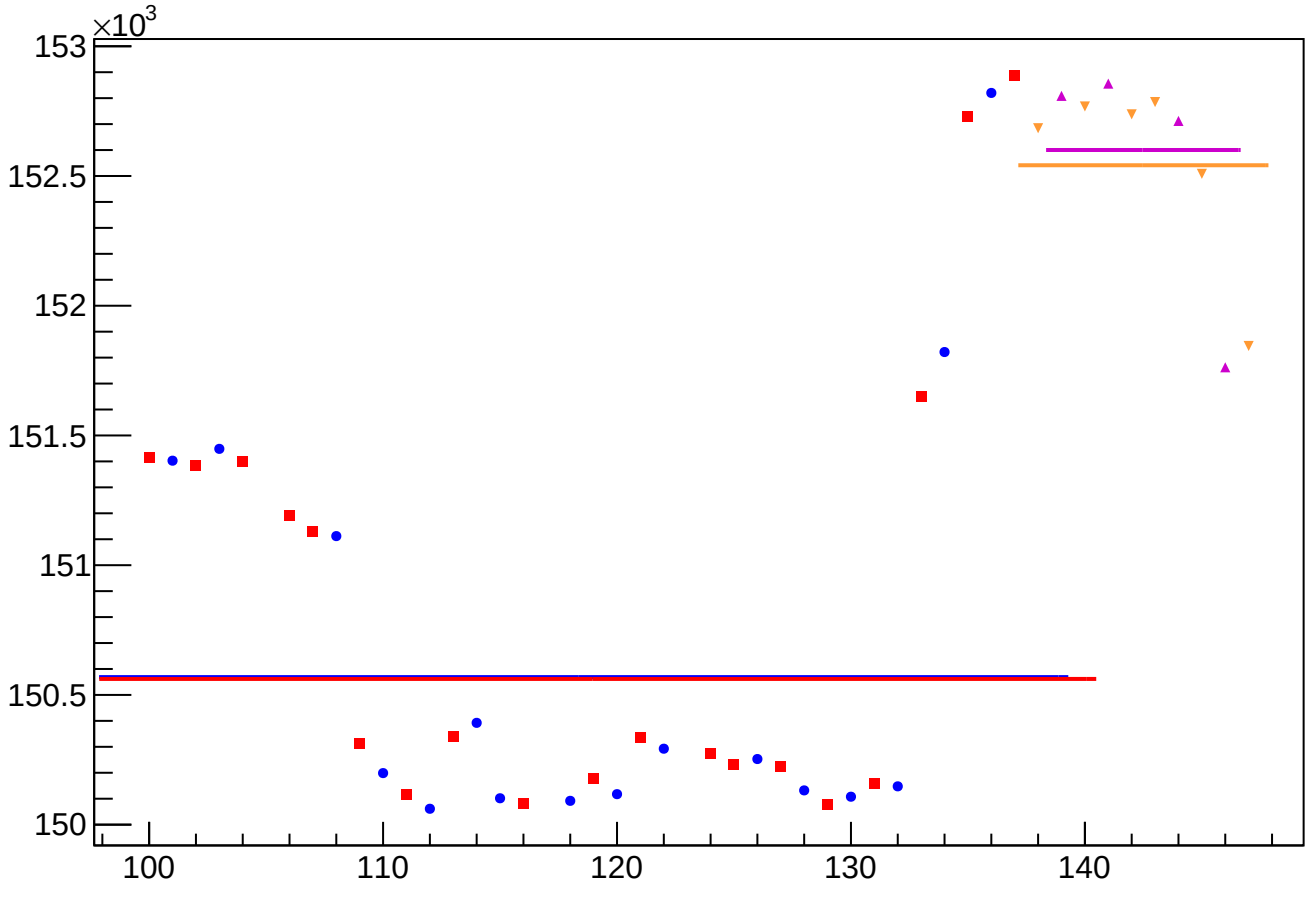
Left: 215.068+/-0.054 χ^2/NDF: 156551.7/9

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

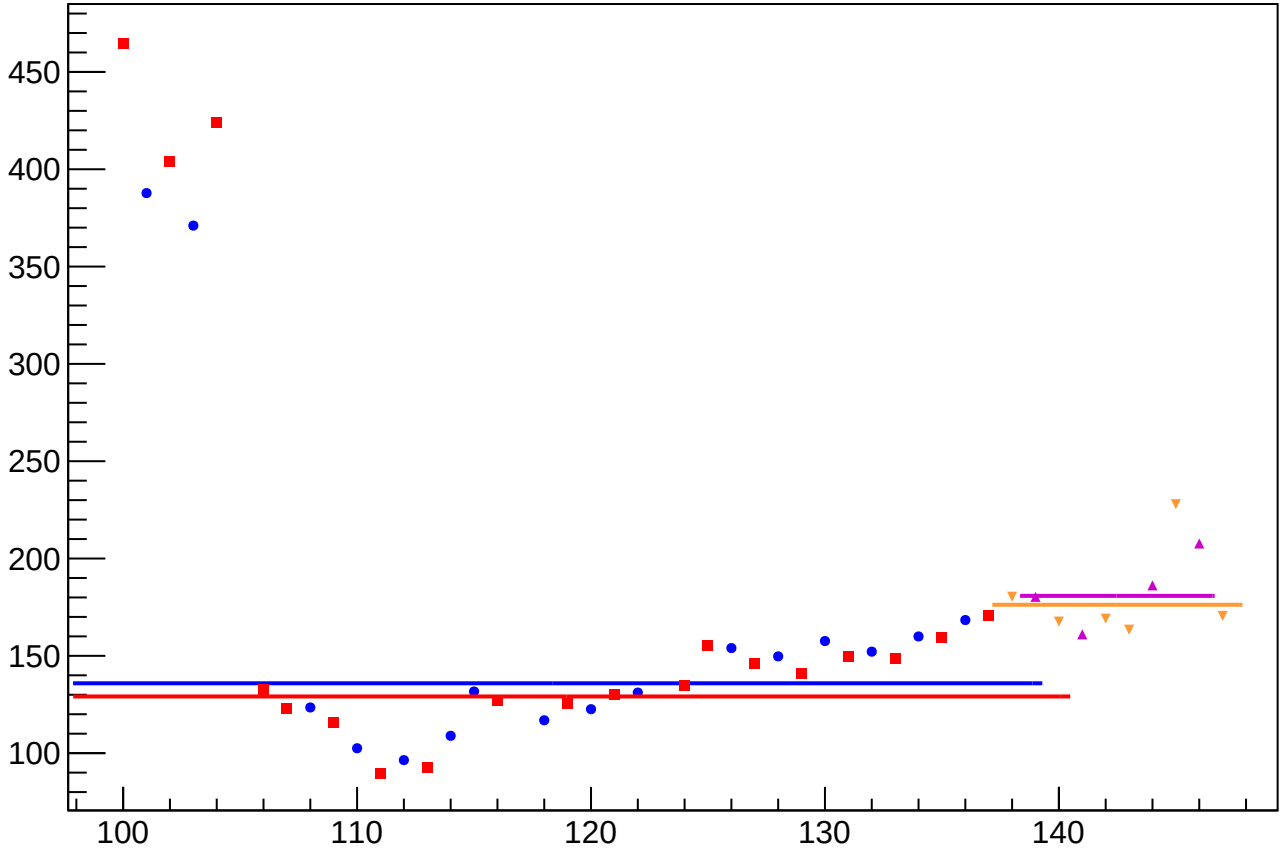
In: 170.240+/-0.039 χ^2/NDF:1729476.3/19

Out: 165.915+/-0.036 χ^2/NDF:2139054.2/24

All: 167.915+/-0.026 χ^2/NDF: 3875164.3/44


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
153
152.5
152
151.5
151
150.5
150
100
110
120
130
140
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 152541.378+/-0.084 χ²/NDF:17936239.6/5
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 152600.190+/-0.097 χ²/NDF:17775406.1/3
Left: 152566.542+/-0.064 χ²/NDF: 35919842.4/9
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 151053.830+/-0.048 χ²/NDF:585443335.1/19
Out: 151091.711+/-0.044 χ²/NDF:619178213.2/24
All: 151074.435+/-0.032 χ²/NDF: 12049653

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 176.244+/-0.060 χ^2/NDF:101129.1/5

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.825+/-0.069 χ^2/NDF:57059.9/3

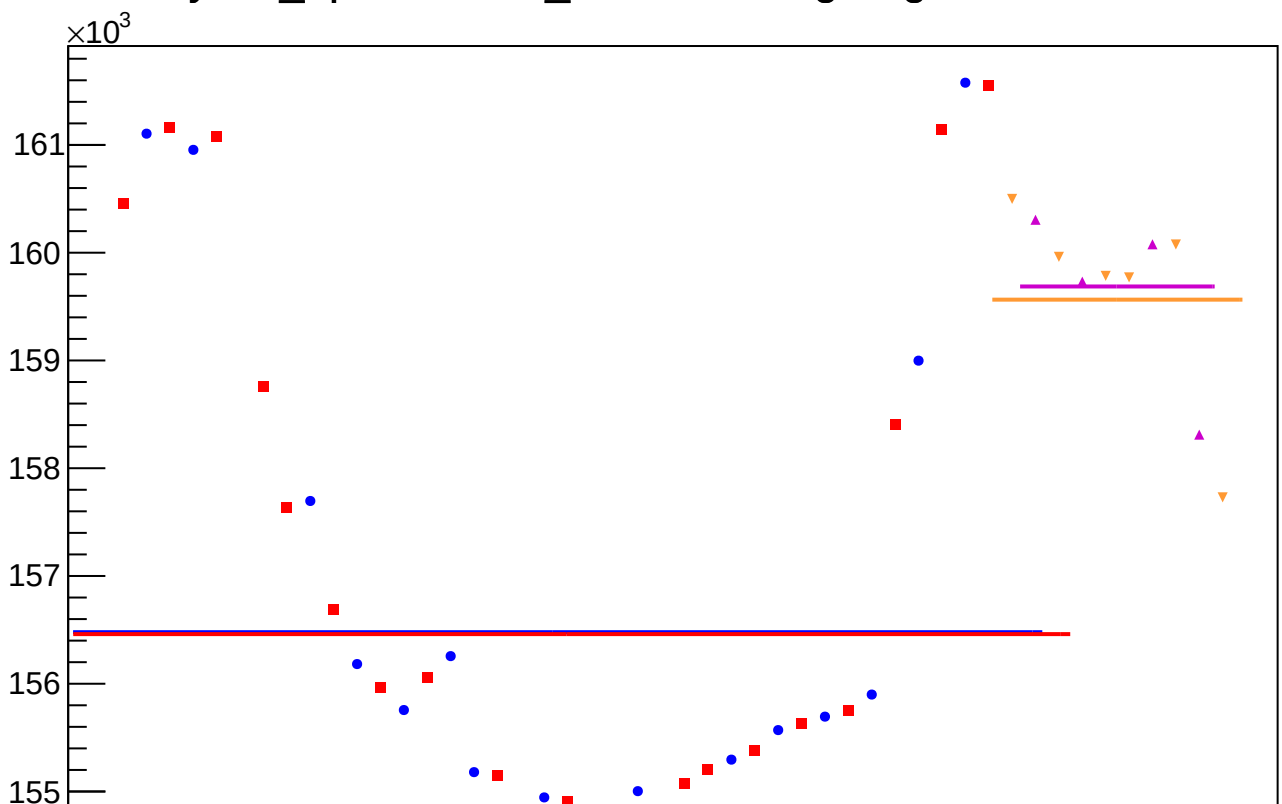
Left: 178.204+/-0.045 χ^2/NDF: 160715.4/9

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 146.626+/-0.034 χ^2/NDF:1796696.2/19

Out: 141.745+/-0.031 χ^2/NDF:2172747.3/24

All: 143.971+/-0.023 χ^2/NDF: 3980863.4/44



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 159564.374+/-0.088 χ^2/NDF:115957725.2/5

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 159686.634+/-0.101 χ^2/NDF:48516455.6/3

Left: 159616.979+/-0.066 χ^2/NDF: 165312688.3/9

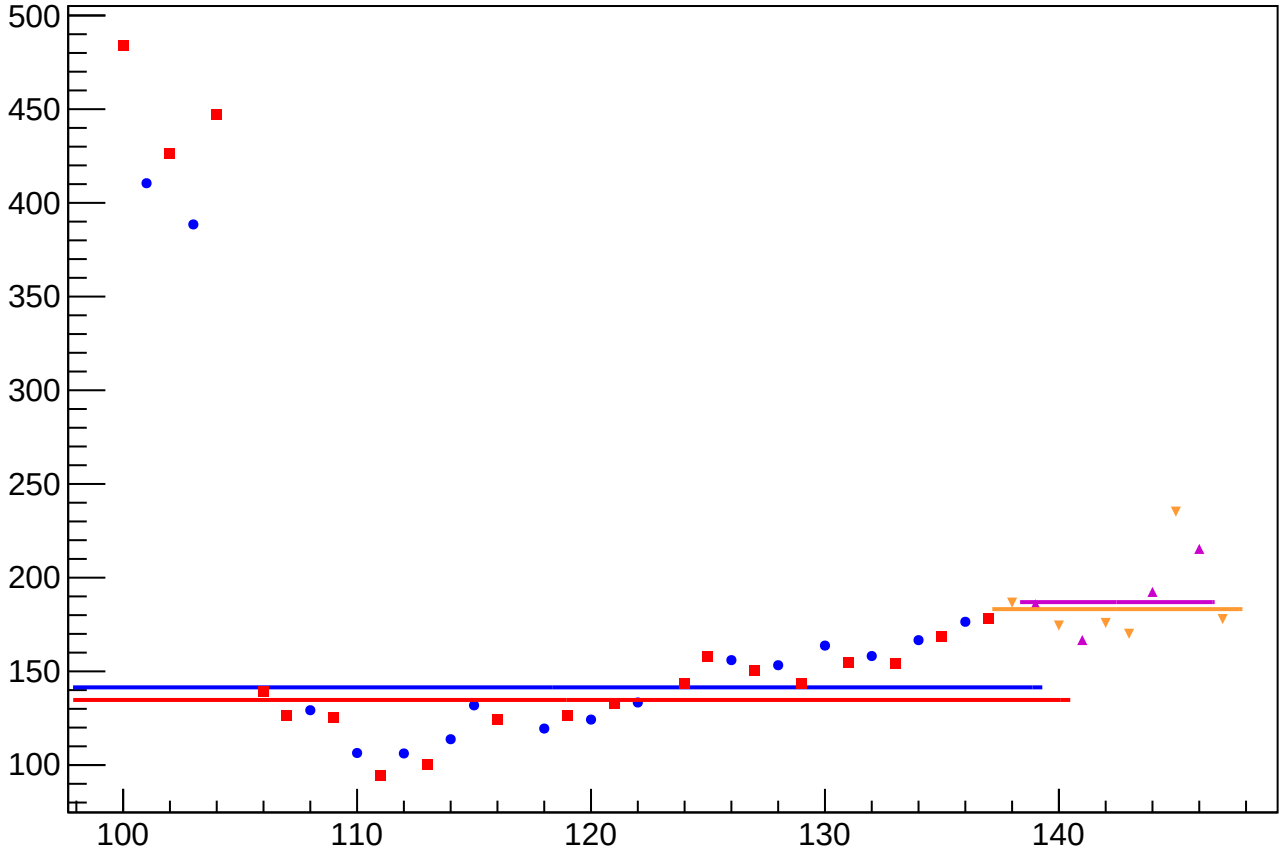
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 157252.071+/-0.049 χ^2/NDF:2107039488.3/19

Out: 157295.457+/-0.045 χ^2/NDF:2134644024.4/2

All: 157275.620+/-0.033 χ^2/NDF: 424210065

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 183.213+/-0.062 χ^2/NDF:96000.7/5

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 186.955+/-0.071 χ^2/NDF:57532.7/3

Left: 184.823+/-0.047 χ^2/NDF: 155104.7/9

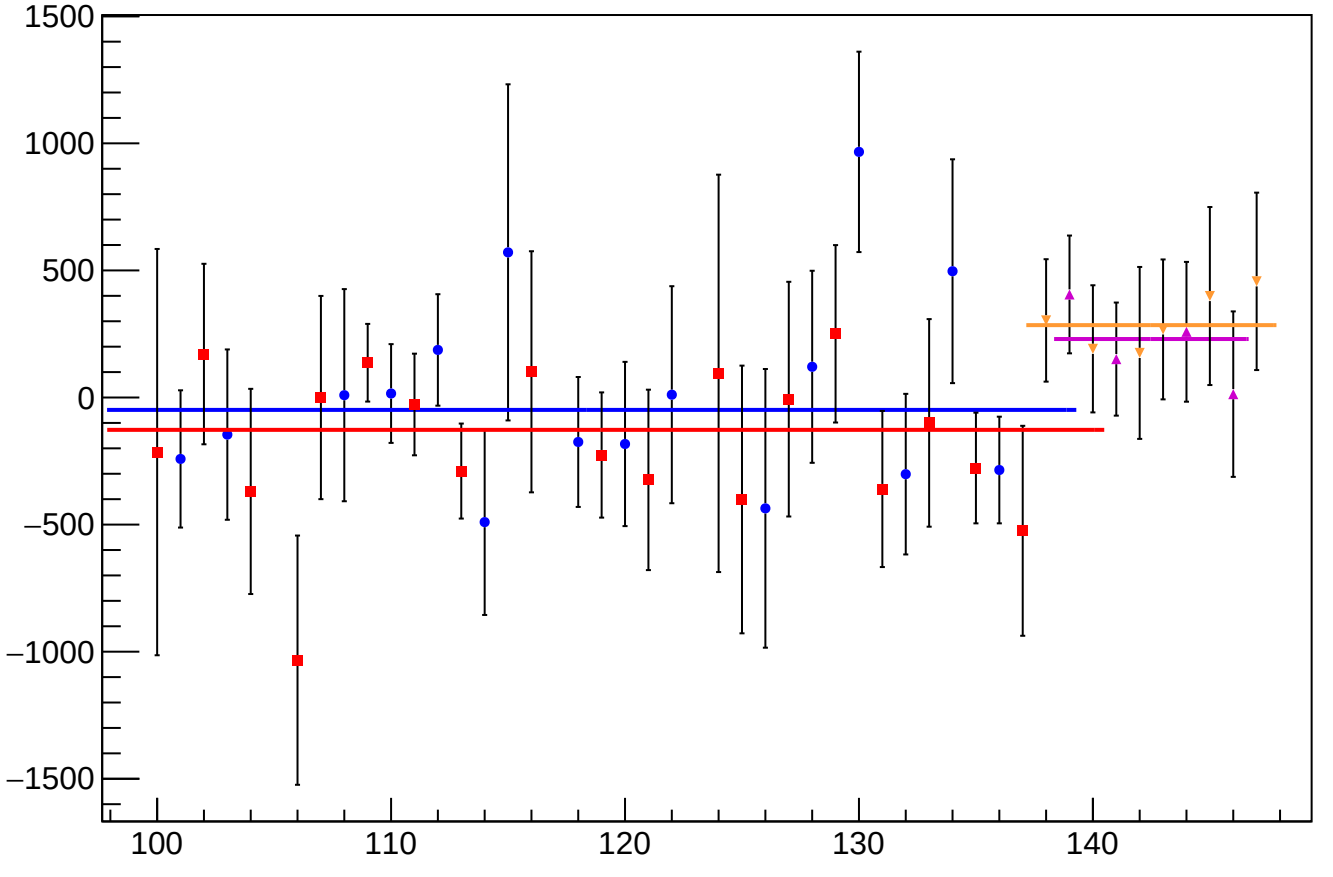
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 152.440+/-0.035 χ^2/NDF:1758626.5/19

Out: 147.783+/-0.032 χ^2/NDF:2122797.3/24

All: 149.912+/-0.024 χ^2/NDF: 3891034.9/44

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.740+/-118.239 χ^2/NDF:0.6/5

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 230.108+/-127.526 χ^2/NDF:1.2/3

Left: 259.486+/-86.705 χ^2/NDF: 1.9/9

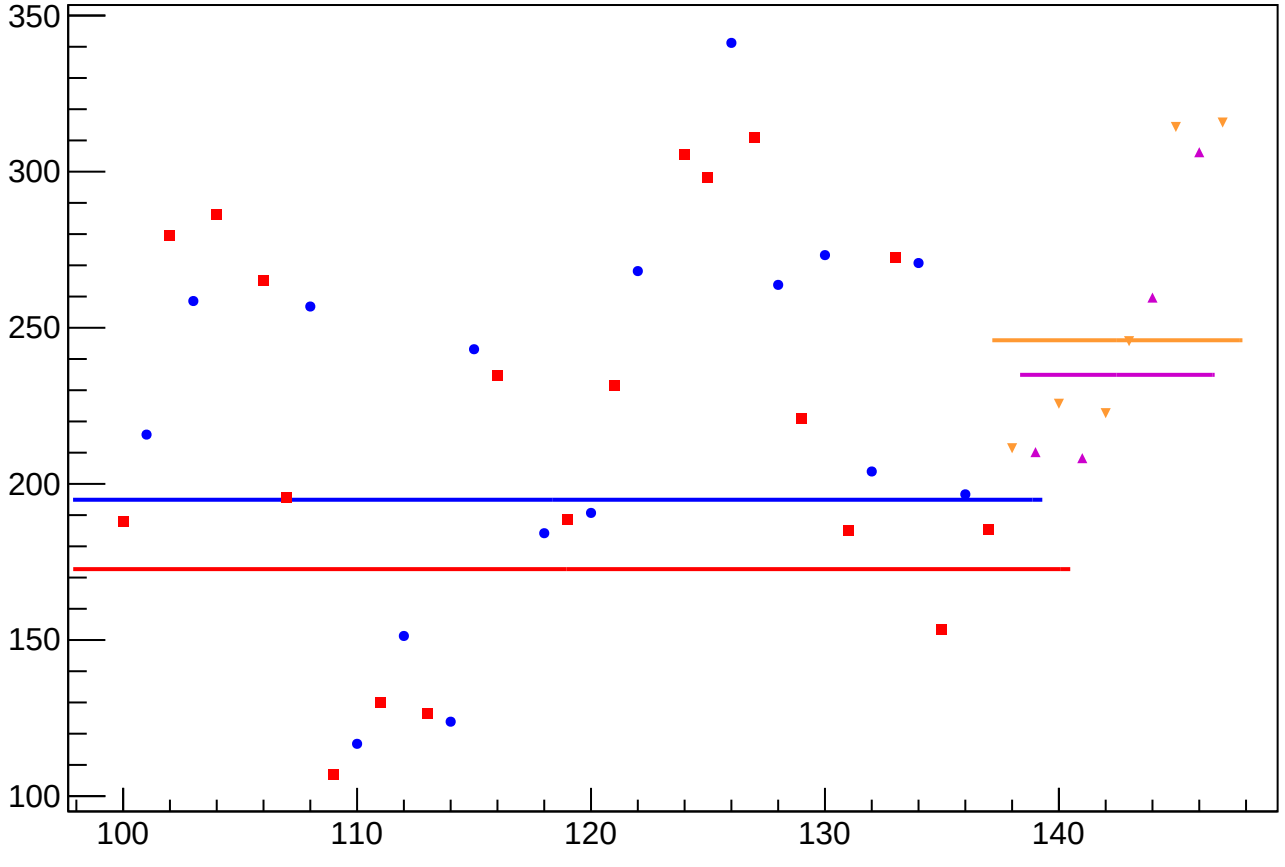
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 25.174+/-65.660 χ^2/NDF:20.1/19

Out: -23.707+/-59.276 χ^2/NDF:22.5/24

All: -1.757+/-43.999 χ^2/NDF: 43.0/44

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 246.000+/-0.084 χ^2/NDF:219926.1/5

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 234.930+/-0.090 χ^2/NDF:163726.6/3

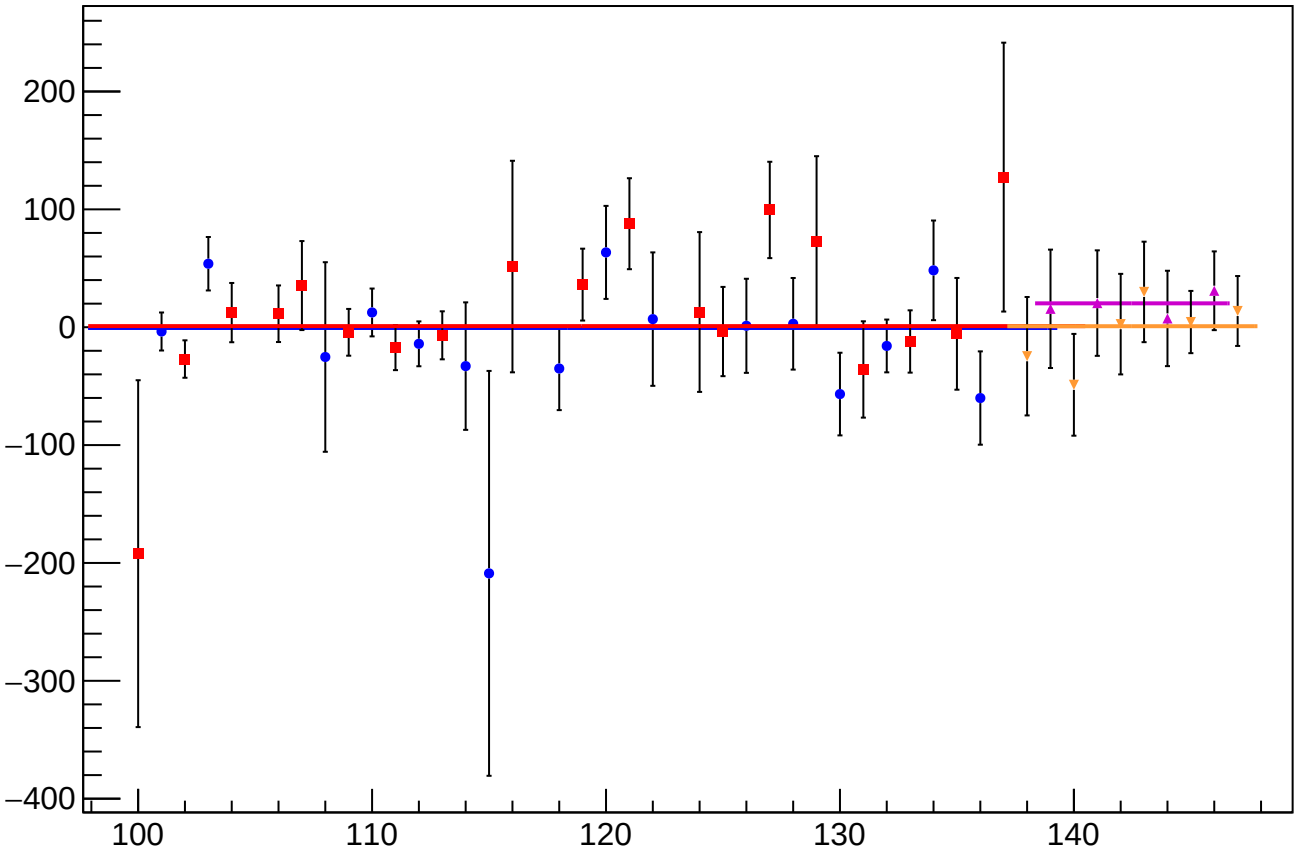
Left: 240.883+/-0.061 χ^2/NDF: 391756.8/9

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 205.528+/-0.046 χ^2/NDF:1337286.8/19

Out: 191.125+/-0.042 χ^2/NDF:2426673.8/24

All: 197.593+/-0.031 χ^2/NDF: 3816986.7/44



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: 0.856+/-14.739 χ^2/NDF:2.3/5

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 20.264+/-20.403 χ^2/NDF:0.2/3

Left: 7.511+/-11.948 χ^2/NDF: 3.1/9

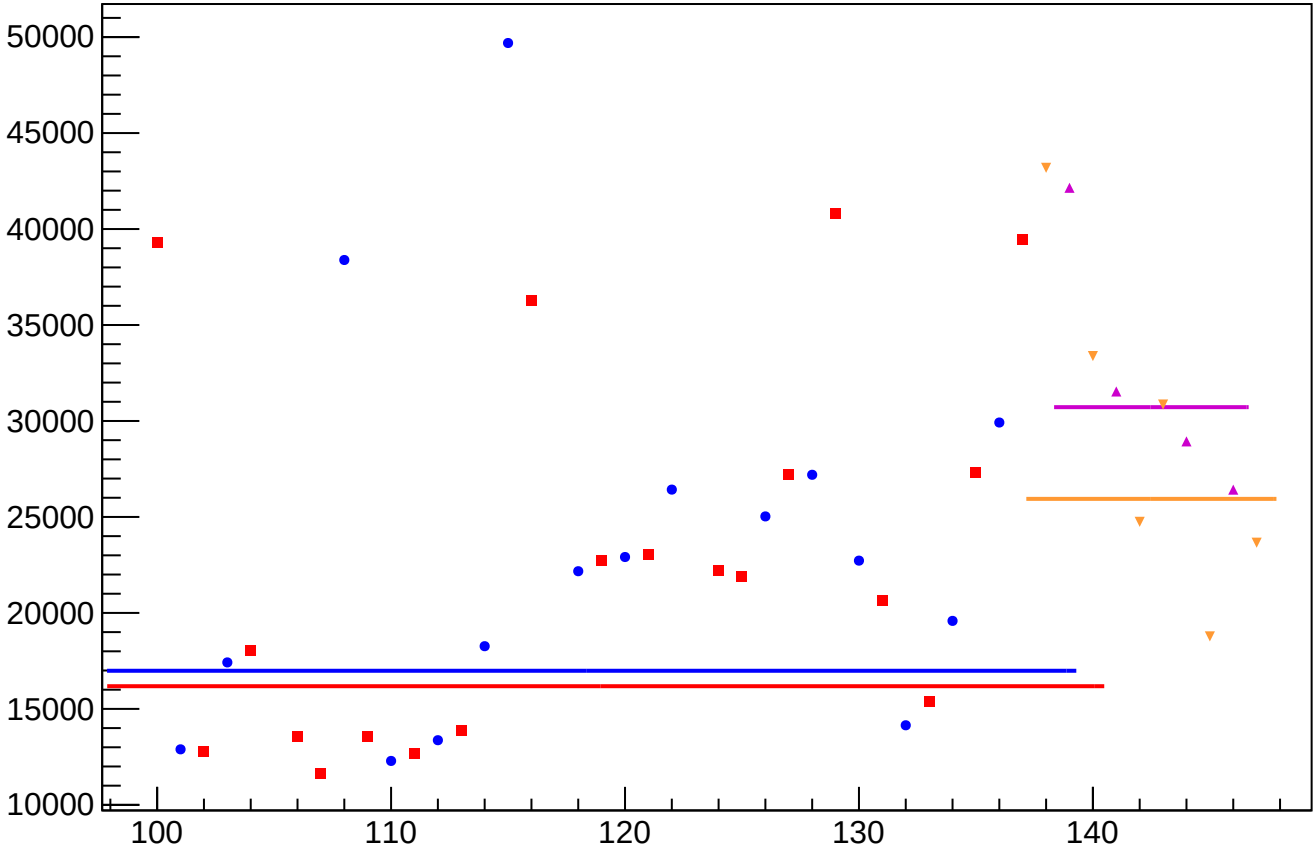
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 1.770+/-6.907 χ^2/NDF:20.0/19

Out: 0.923+/-6.150 χ^2/NDF:25.3/24

All: 1.298+/-4.593 χ^2/NDF: 45.3/44

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 25941.881+/-10.422 χ^2/NDF:482300.2/5

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 30719.973+/-14.427 χ^2/NDF:141205.5/3

Left: 27580.375+/-8.448 χ^2/NDF: 695577.7/9

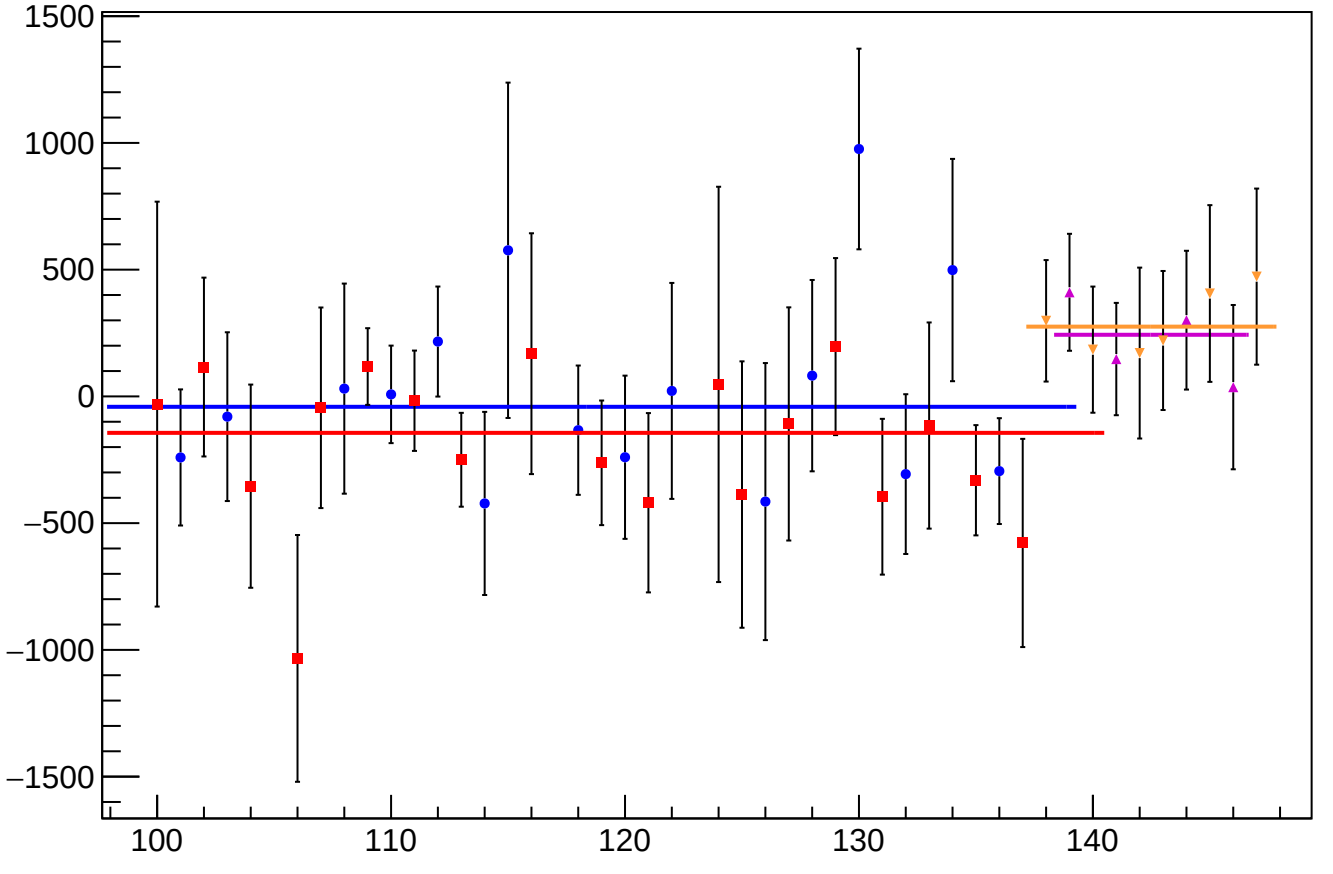
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 18560.231+/-4.884 χ^2/NDF:2137617.9/19

Out: 17881.010+/-4.349 χ^2/NDF:2458059.9/24

All: 18181.371+/-3.248 χ^2/NDF: 4606466.0/4

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 275.208+/-117.707 χ^2/NDF:0.7/5

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 243.101+/-126.980 χ^2/NDF:1.2/3

Left: 260.370+/-86.324 χ^2/NDF: 1.9/9

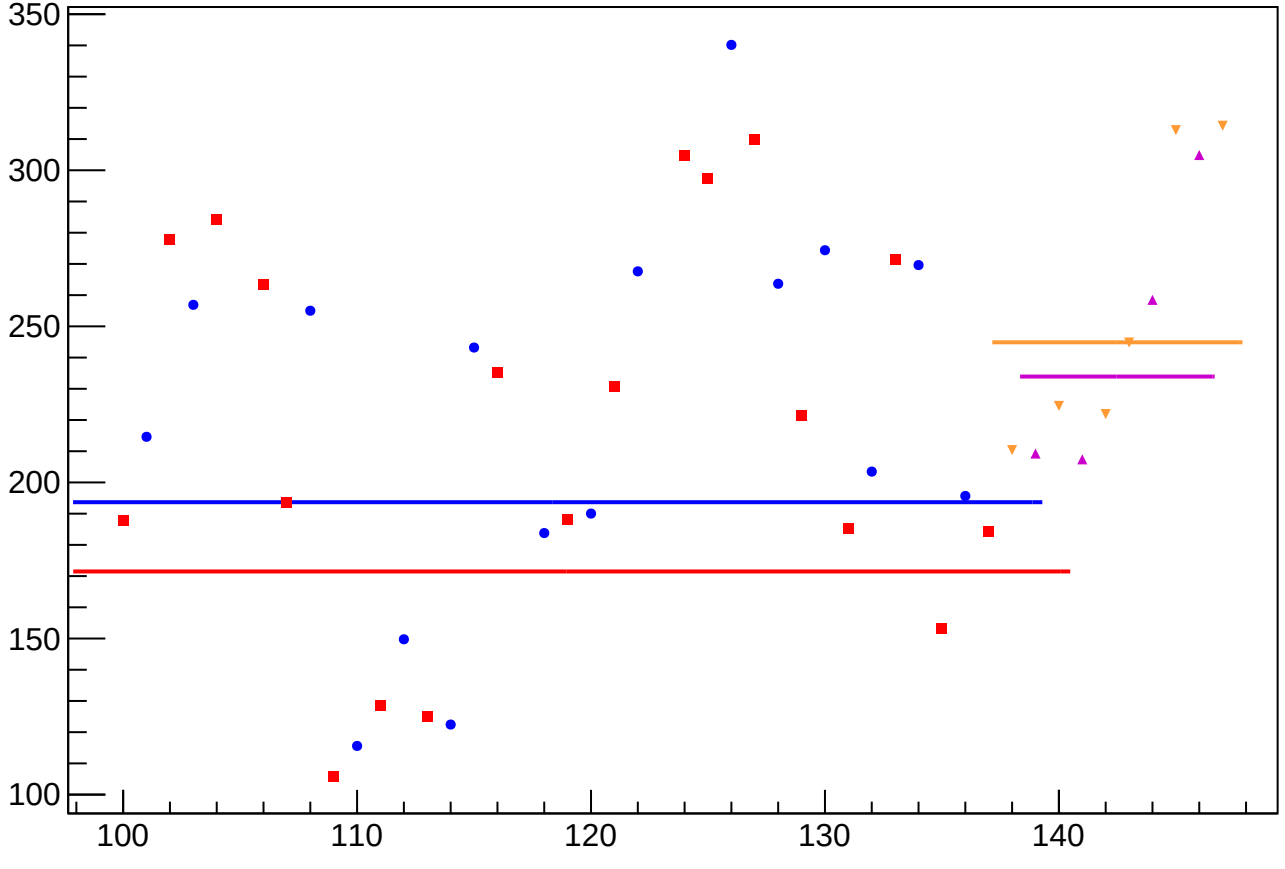
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 34.123+/-65.311 χ^2/NDF:20.3/19

Out: -38.781+/-58.933 χ^2/NDF:23.2/24

All: -6.062+/-43.753 χ^2/NDF: 44.2/44

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 244.891+/-0.083 χ^2/NDF:220005.7/5

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 233.924+/-0.090 χ^2/NDF:163515.7/3

Left: 239.823+/-0.061 χ^2/NDF: 391545.9/9

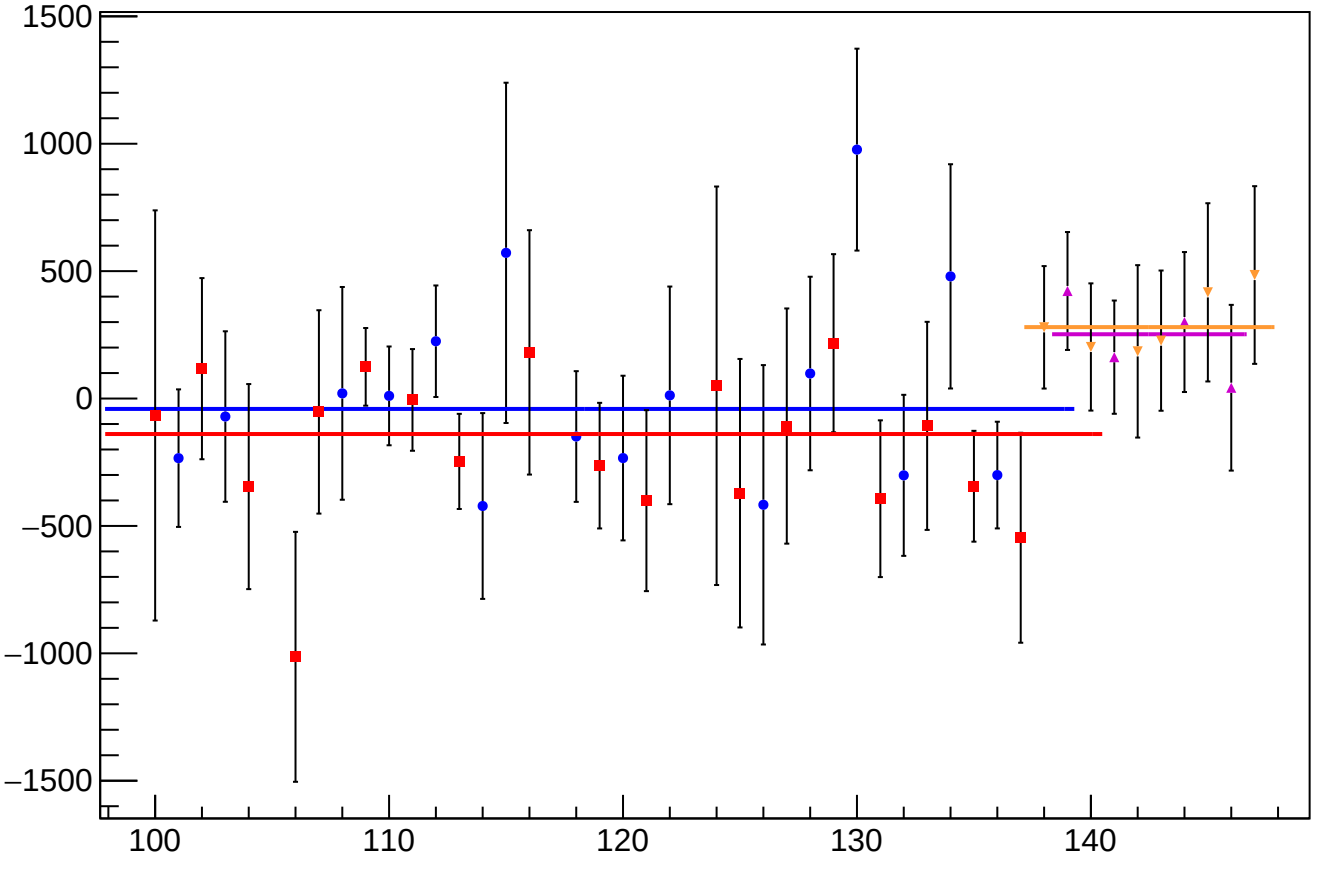
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 204.319+/-0.046 χ^2/NDF:1361105.7/19

Out: 189.885+/-0.042 χ^2/NDF:2455874.3/24

All: 196.363+/-0.031 χ^2/NDF: 3870826.3/44

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 280.299+/-118.097 χ^2/NDF:0.7/5

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 252.309+/-127.378 χ^2/NDF:1.1/3

Left: 267.361+/-86.602 χ^2/NDF: 1.9/9

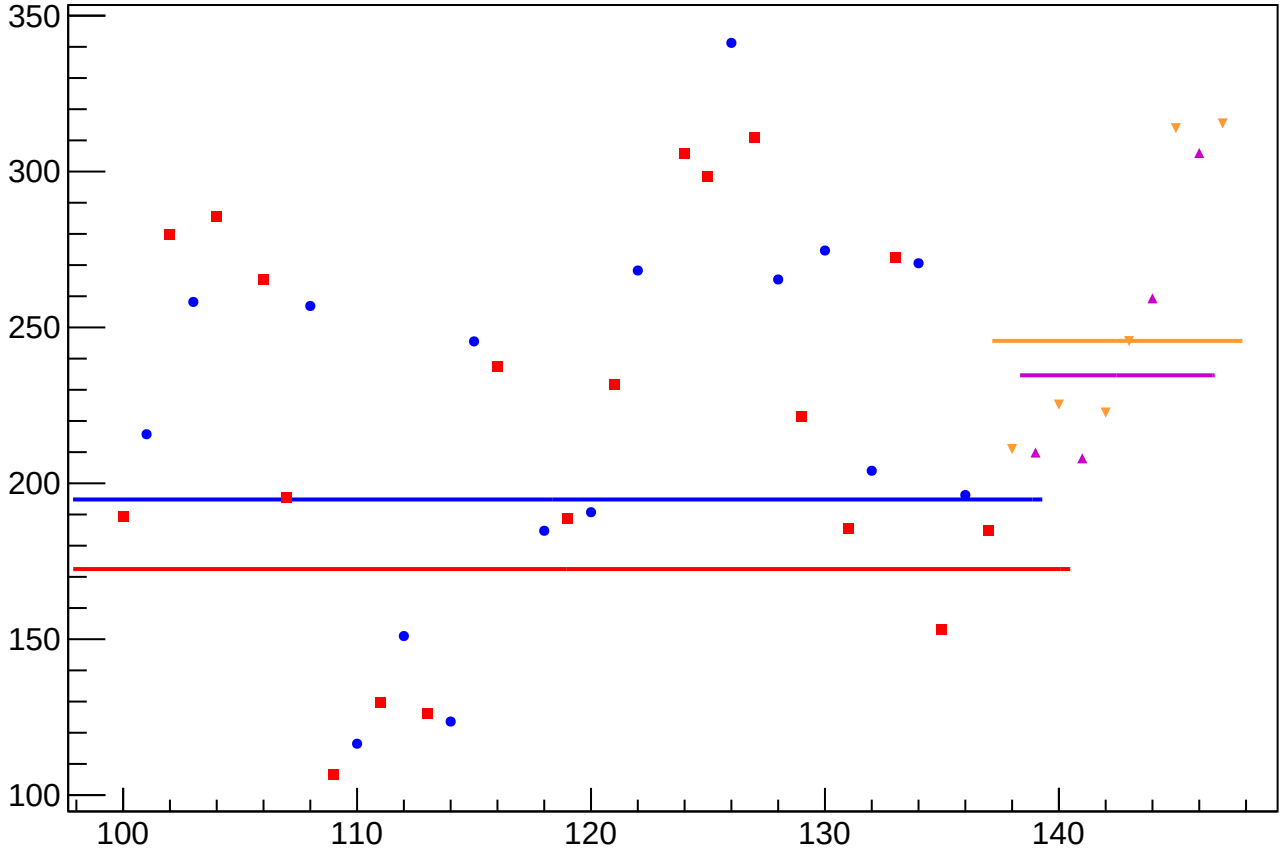
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 37.017+/-65.631 χ^2/NDF:20.4/19

Out: -33.757+/-59.227 χ^2/NDF:23.0/24

All: -1.990+/-43.970 χ^2/NDF: 44.1/44

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 245.693+/-0.084 χ^2/NDF:220455.1/5

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 234.646+/-0.090 χ^2/NDF:163939.7/3

Left: 240.587+/-0.061 χ^2/NDF: 392484.2/9

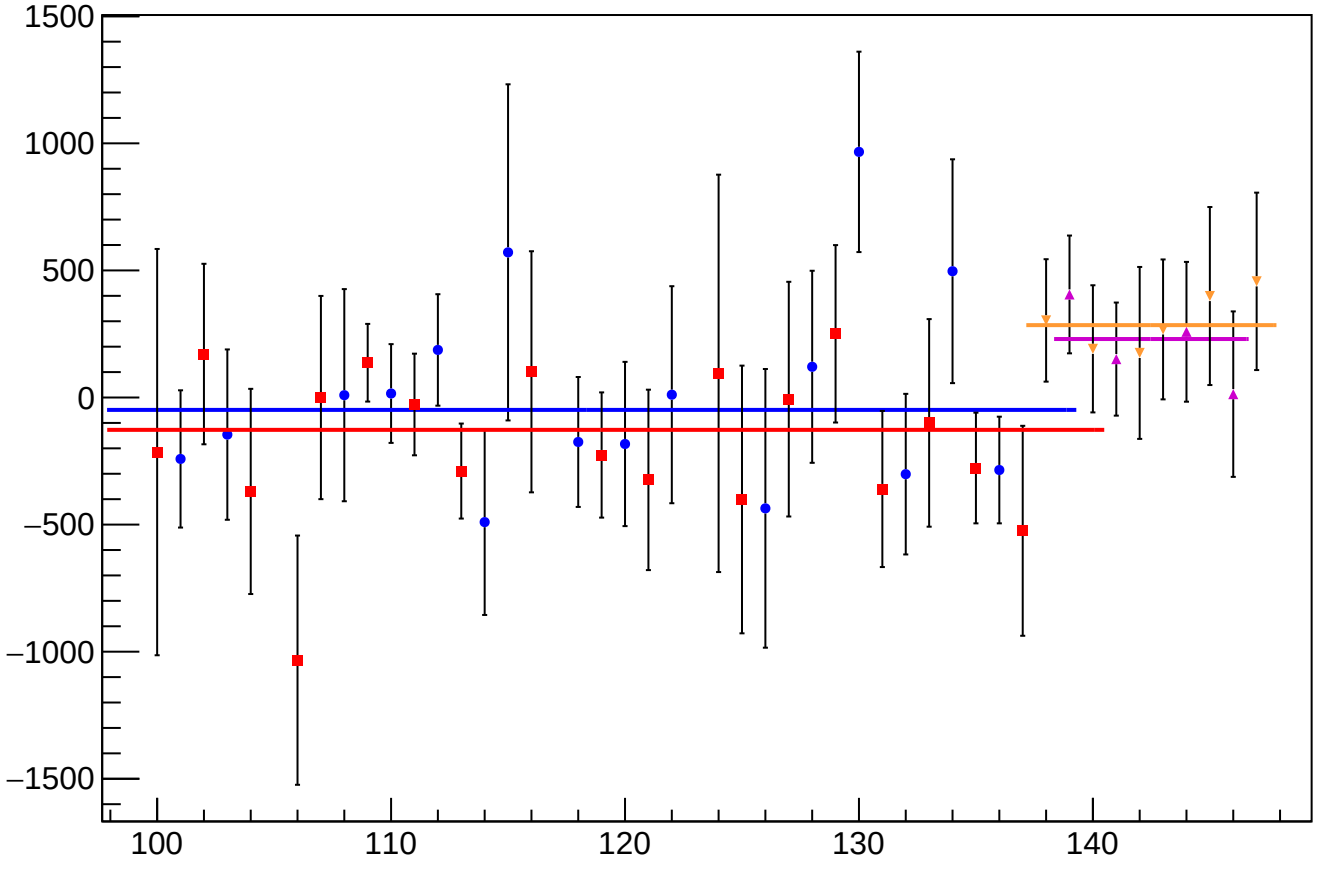
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 205.393+/-0.046 χ^2/NDF:1346649.0/19

Out: 190.915+/-0.042 χ^2/NDF:2437420.4/24

All: 197.413+/-0.031 χ^2/NDF: 3837711.8/44

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.740+/-118.239 χ^2/NDF:0.6/5

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 230.108+/-127.526 χ^2/NDF:1.2/3

Left: 259.486+/-86.705 χ^2/NDF: 1.9/9

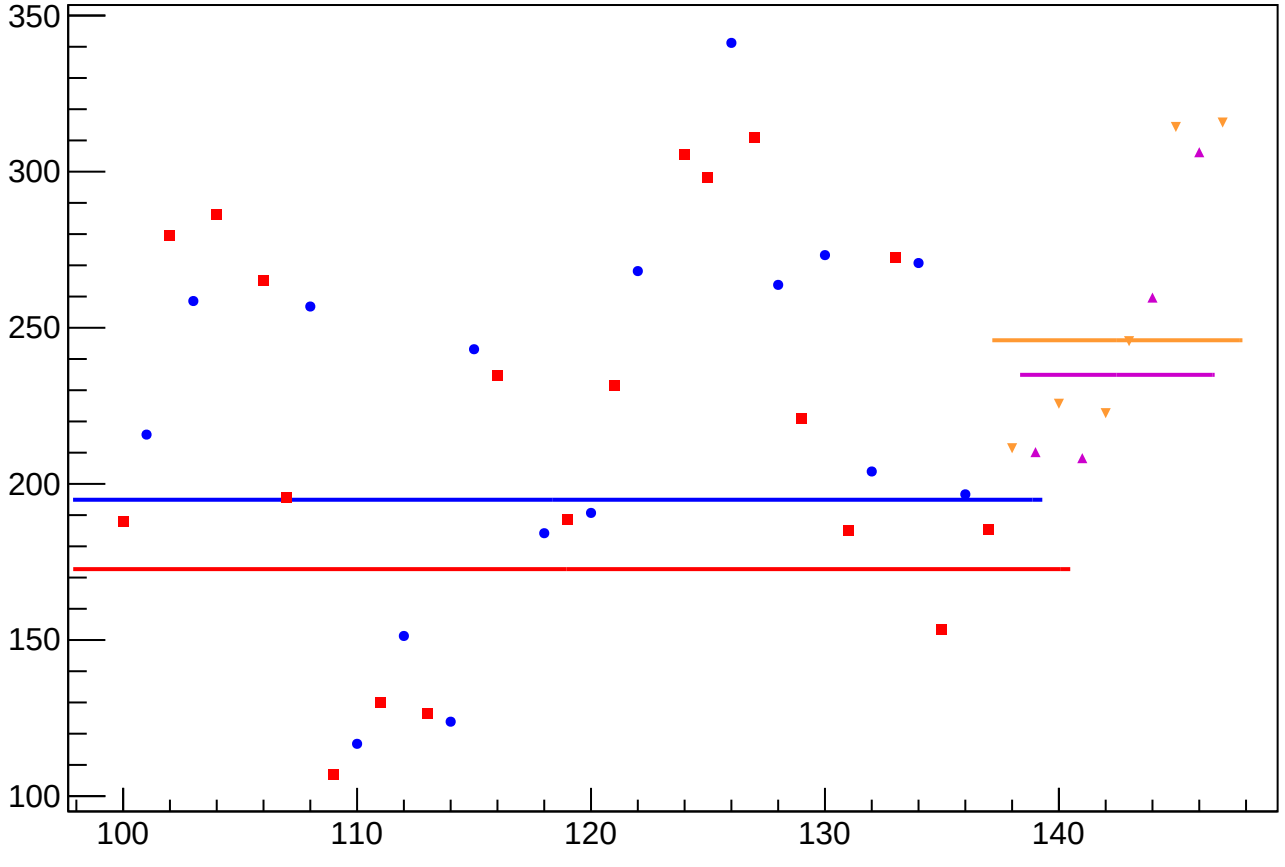
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 25.174+/-65.660 χ^2/NDF:20.1/19

Out: -23.707+/-59.276 χ^2/NDF:22.5/24

All: -1.757+/-43.999 χ^2/NDF: 43.0/44

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 246.000+/-0.084 χ^2/NDF:219926.1/5

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 234.930+/-0.090 χ^2/NDF:163726.6/3

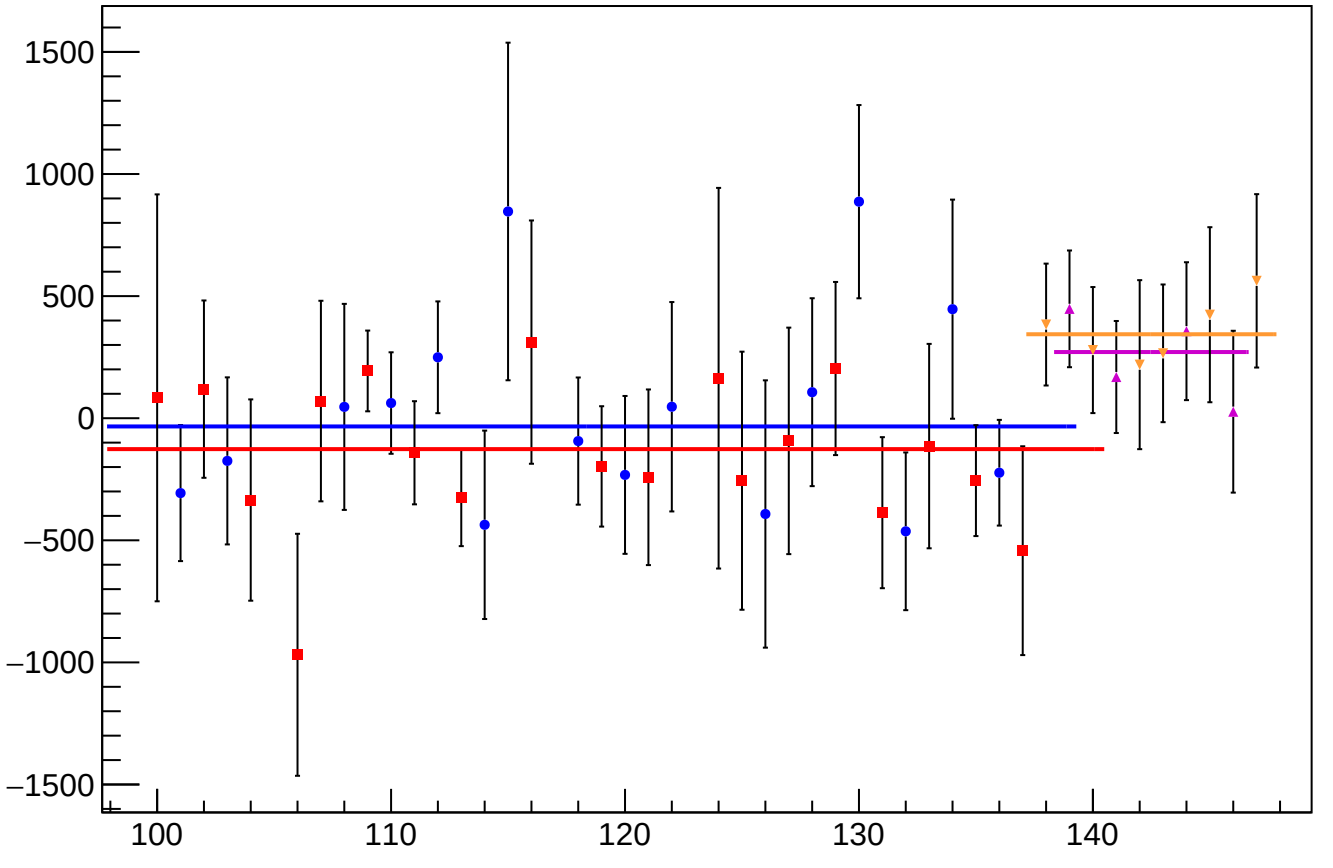
Left: 240.883+/-0.061 χ^2/NDF: 391756.8/9

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 205.528+/-0.046 χ^2/NDF:1337286.8/19

Out: 191.125+/-0.042 χ^2/NDF:2426673.8/24

All: 197.593+/-0.031 χ^2/NDF: 3816986.7/44



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 343.827+/-121.524 χ^2/NDF:0.7/5

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 270.978+/-131.126 χ^2/NDF:1.4/3

Left: 310.167+/-89.132 χ^2/NDF: 2.3/9

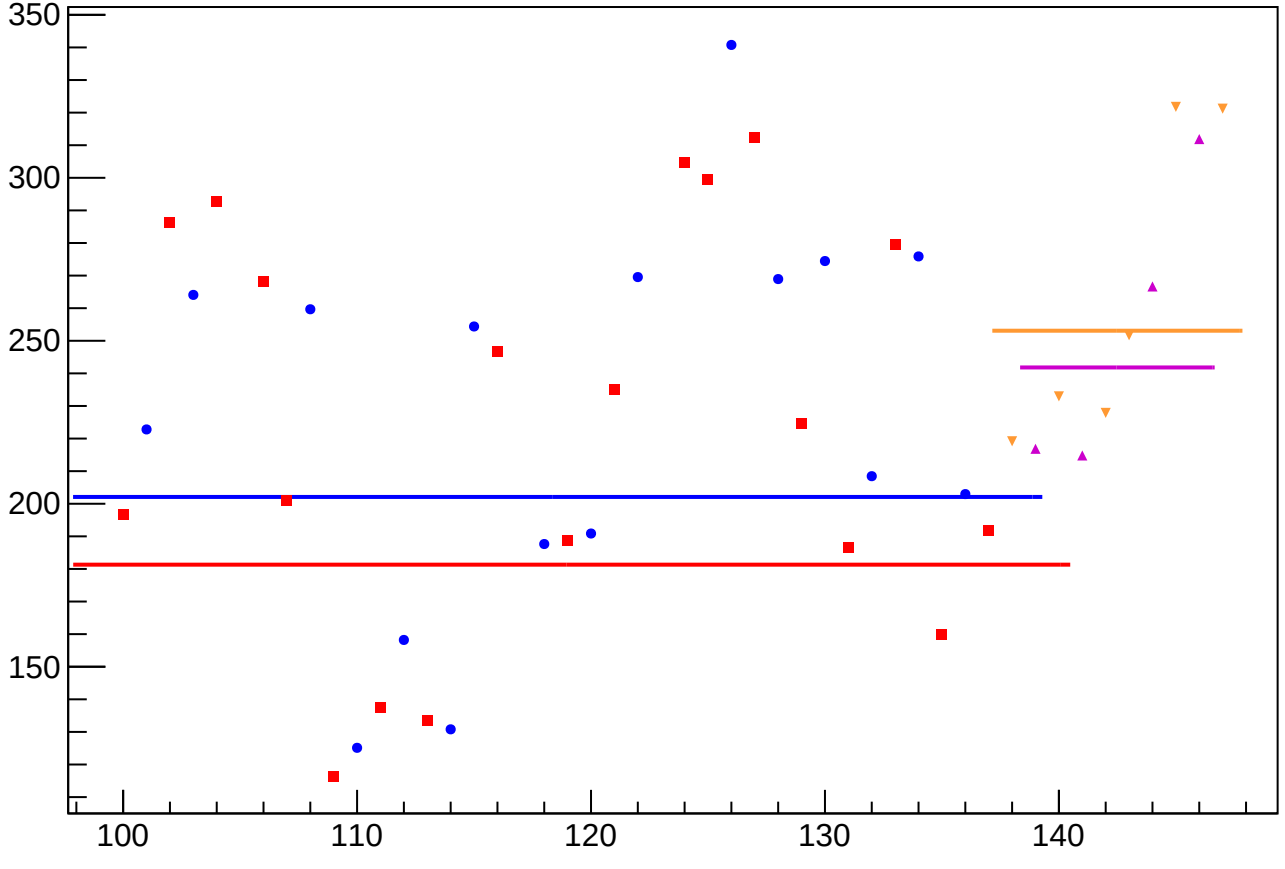
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 47.410+/-67.665 χ^2/NDF:21.1/19

Out: -6.082+/-61.503 χ^2/NDF:24.6/24

All: 18.118+/-45.512 χ^2/NDF: 46.0/44

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 253.089+/-0.086 χ^2/NDF:206862.5/5

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 241.817+/-0.093 χ^2/NDF:154419.1/3

Left: 247.881+/-0.063 χ^2/NDF: 369232.4/9

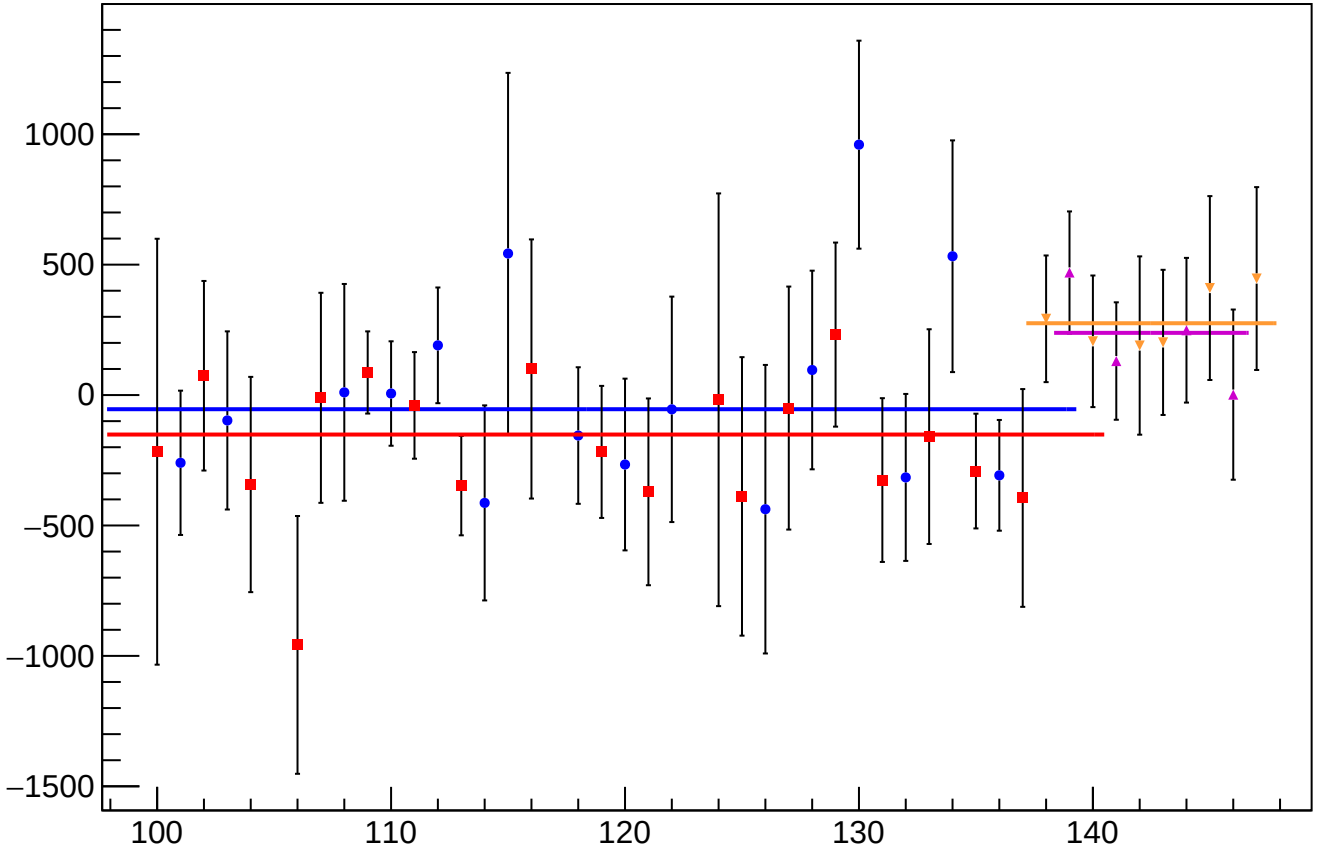
Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 212.669+/-0.048 χ^2/NDF:1199371.0/19

Out: 199.696+/-0.043 χ^2/NDF:2166852.7/24

All: 205.565+/-0.032 χ^2/NDF: 3406478.5/44

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 275.375+/-119.238 χ^2/NDF:0.6/5

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 238.491+/-128.691 χ^2/NDF:1.7/3

Left: 258.337+/-87.465 χ^2/NDF: 2.4/9

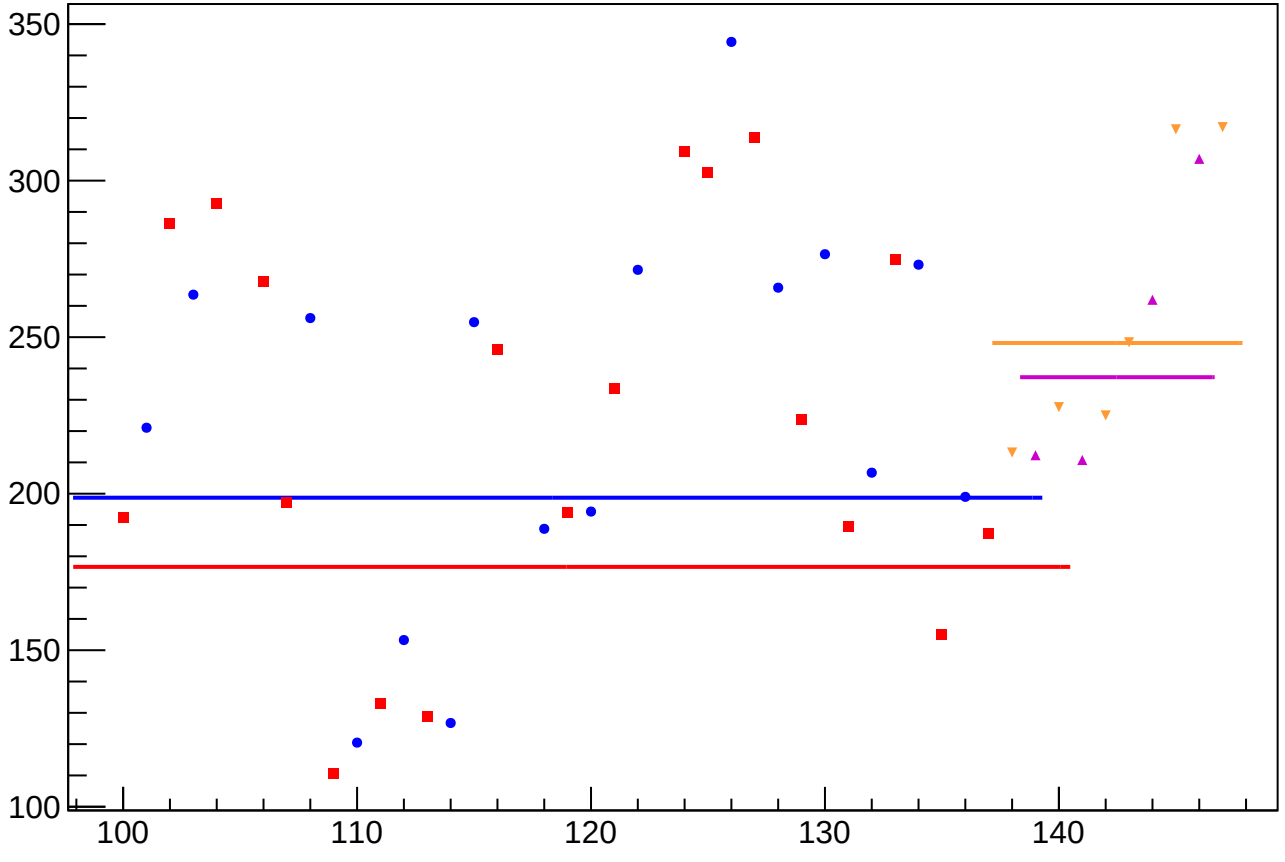
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 24.316+/-66.670 χ^2/NDF:20.6/19

Out: -42.212+/-60.303 χ^2/NDF:20.4/24

All: -12.275+/-44.723 χ^2/NDF: 41.5/44

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 248.145+/-0.084 χ^2/NDF:216250.3/5

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 237.213+/-0.091 χ^2/NDF:157612.0/3

Left: 243.095+/-0.062 χ^2/NDF: 381626.9/9

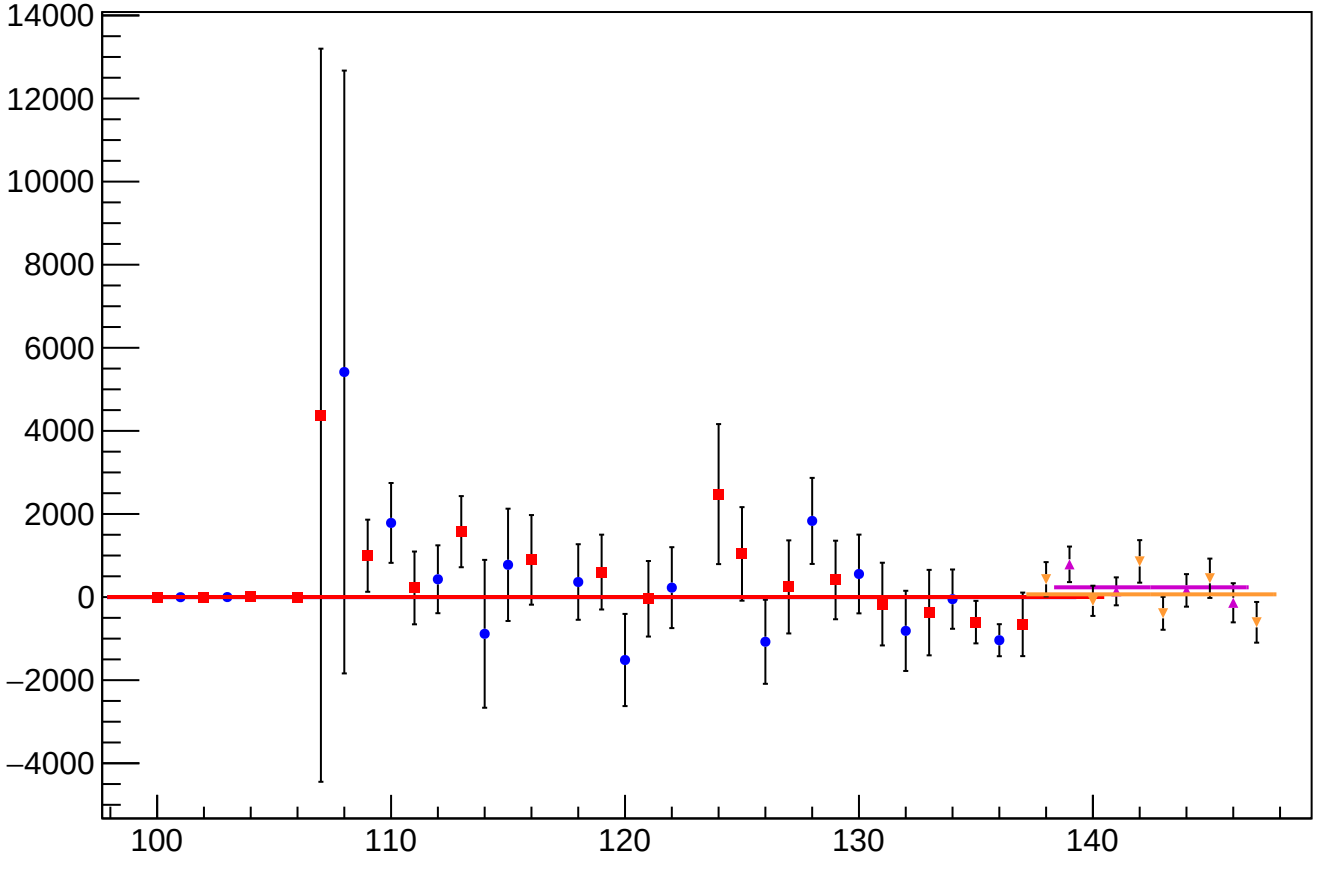
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 209.050+/-0.047 χ^2/NDF:1282604.9/19

Out: 194.915+/-0.043 χ^2/NDF:2347510.3/24

All: 201.276+/-0.032 χ^2/NDF: 3679562.4/44

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 65.931+/-176.037 χ^2/NDF:7.2/5

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 235.029+/-198.710 χ^2/NDF:2.4/3

Left: 140.287+/-131.767 χ^2/NDF: 10.1/9

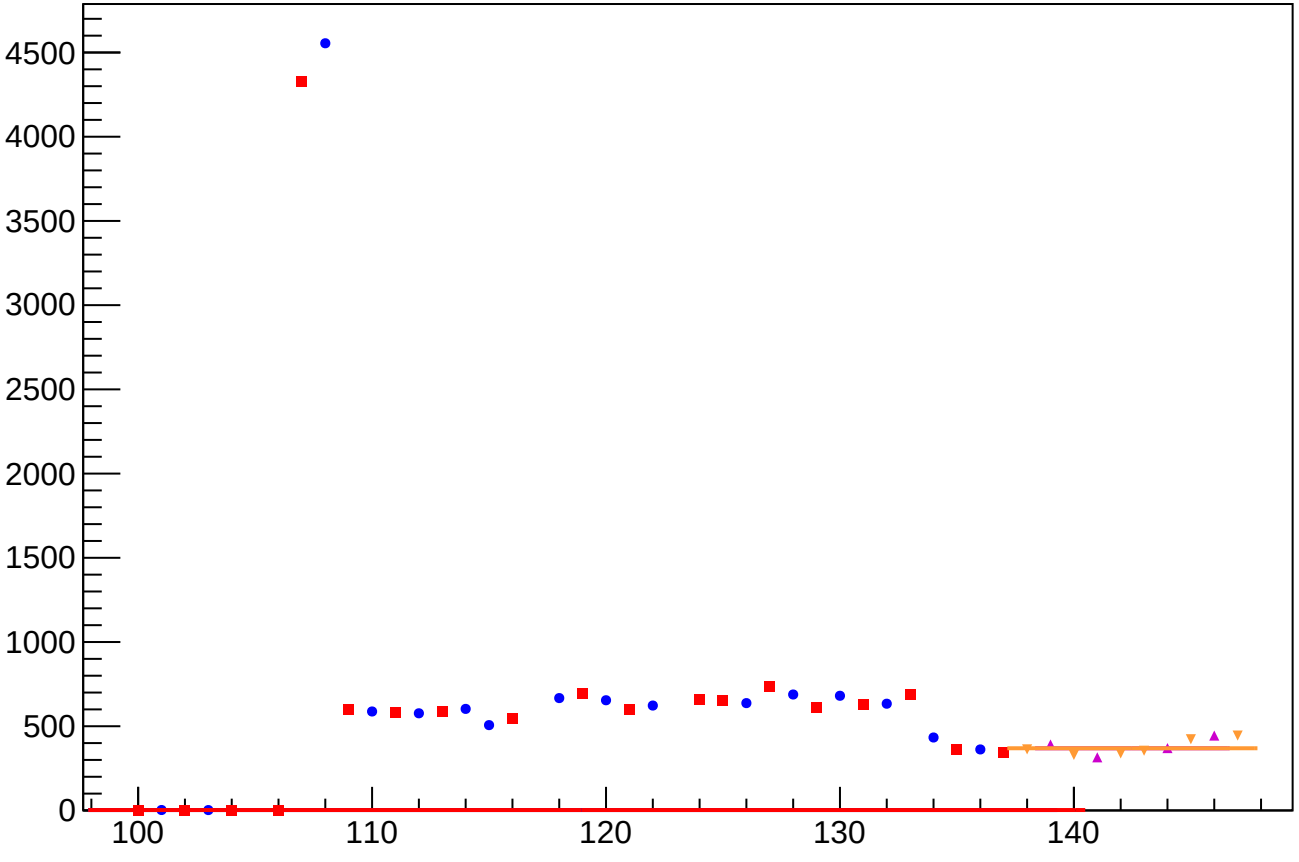
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.211+/-2.171 χ^2/NDF:23.7/19

Out: 1.386+/-2.022 χ^2/NDF:24.2/24

All: 0.179+/-1.480 χ^2/NDF: 48.7/44

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 369.277+/-0.124 χ^2/NDF:107353.7/5

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 369.018+/-0.141 χ^2/NDF:107771.1/3

Left: 369.163+/-0.093 χ^2/NDF: 215126.7/9

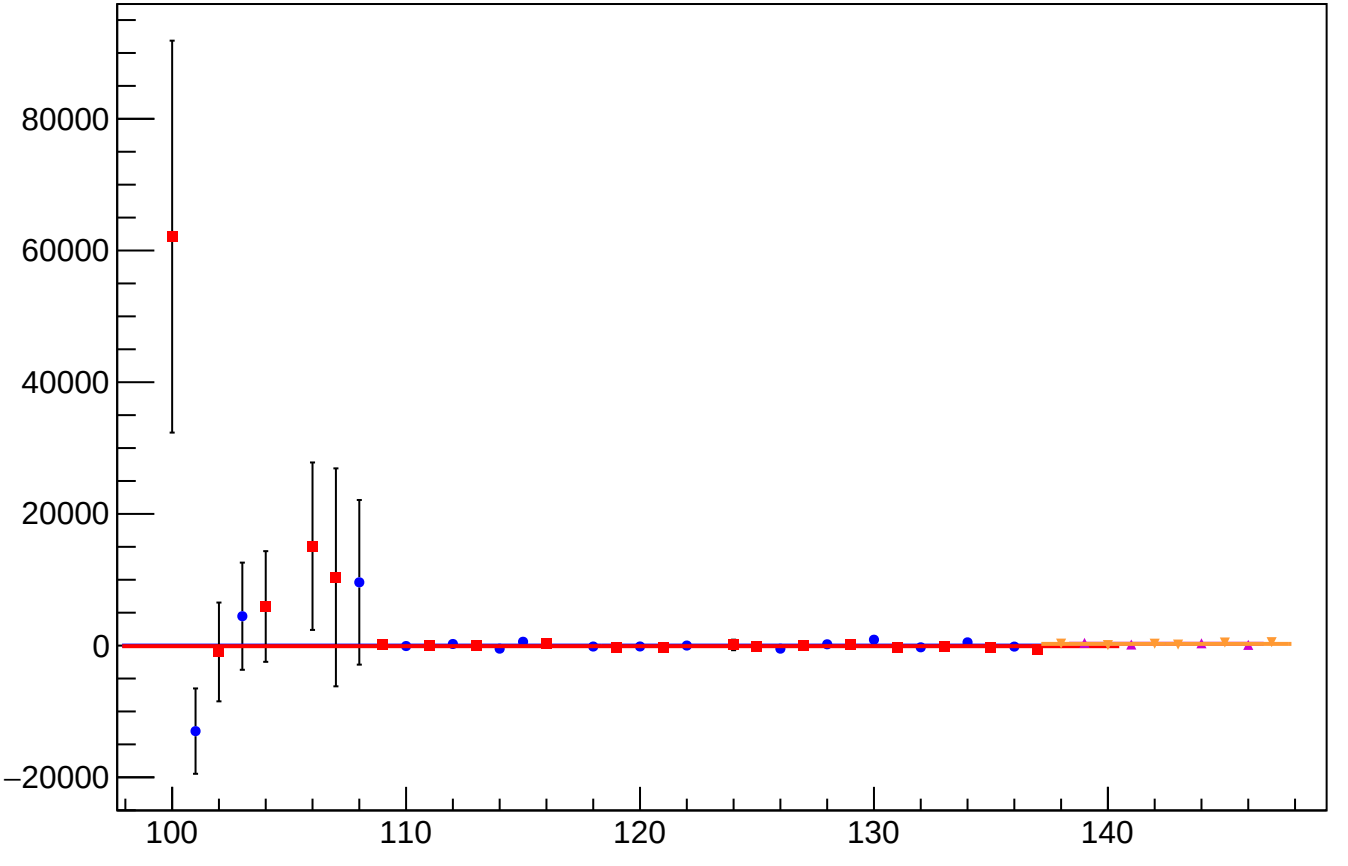
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.520+/-0.002 χ^2/NDF:18538276.6/19

Out: 2.511+/-0.001 χ^2/NDF:20335581.4/24

All: 2.515+/-0.001 χ^2/NDF: 38873880.1/44

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 259.646+/-123.837 χ^2/NDF:1.5/5

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 275.629+/-132.020 χ^2/NDF:0.9/3

Left: 267.127+/-90.320 χ^2/NDF: 2.4/9

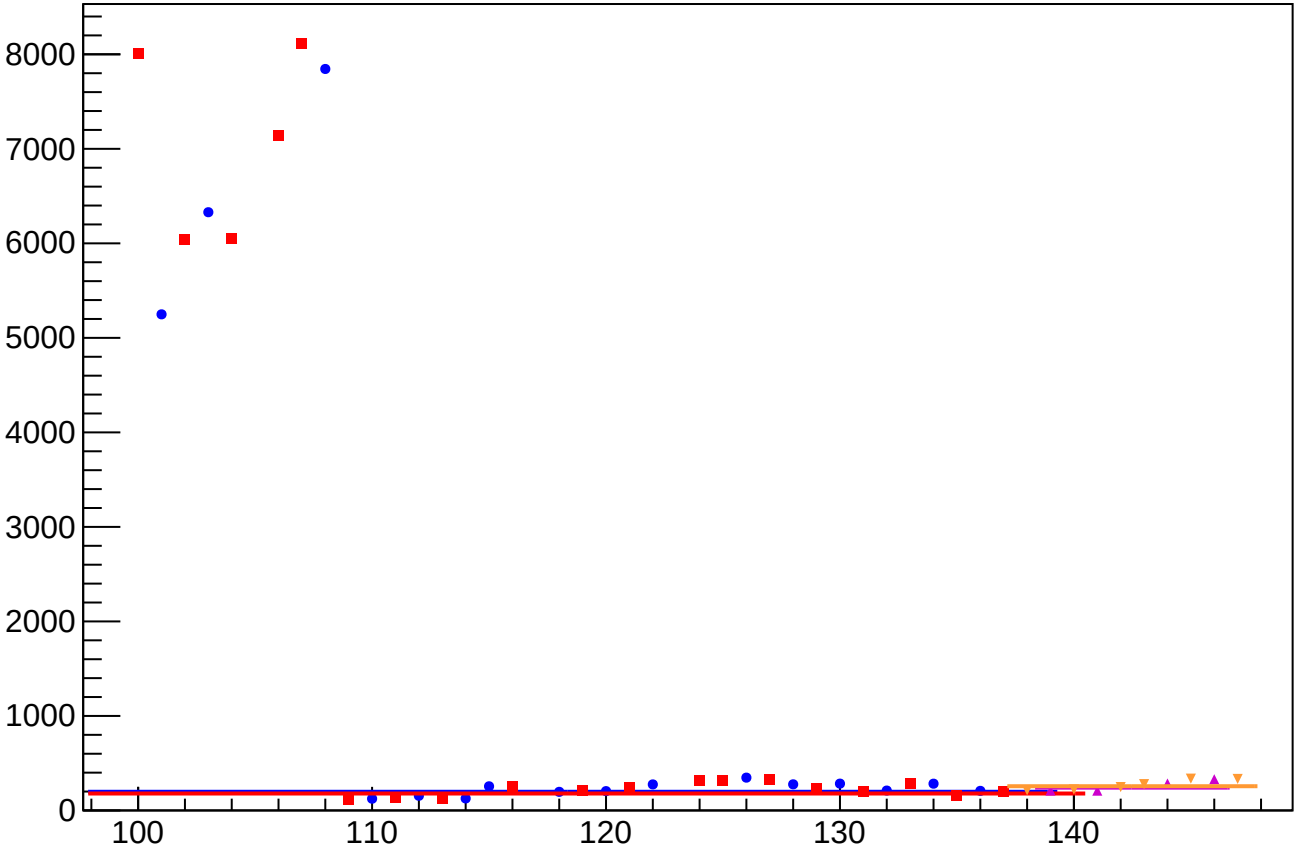
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 84.954+/-73.121 χ^2/NDF:20.7/19

Out: 17.193+/-68.141 χ^2/NDF:21.9/24

All: 48.687+/-49.851 χ^2/NDF: 43.1/44

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 256.416+/-0.088 χ^2/NDF:292922.6/5

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 241.507+/-0.093 χ^2/NDF:246430.0/3

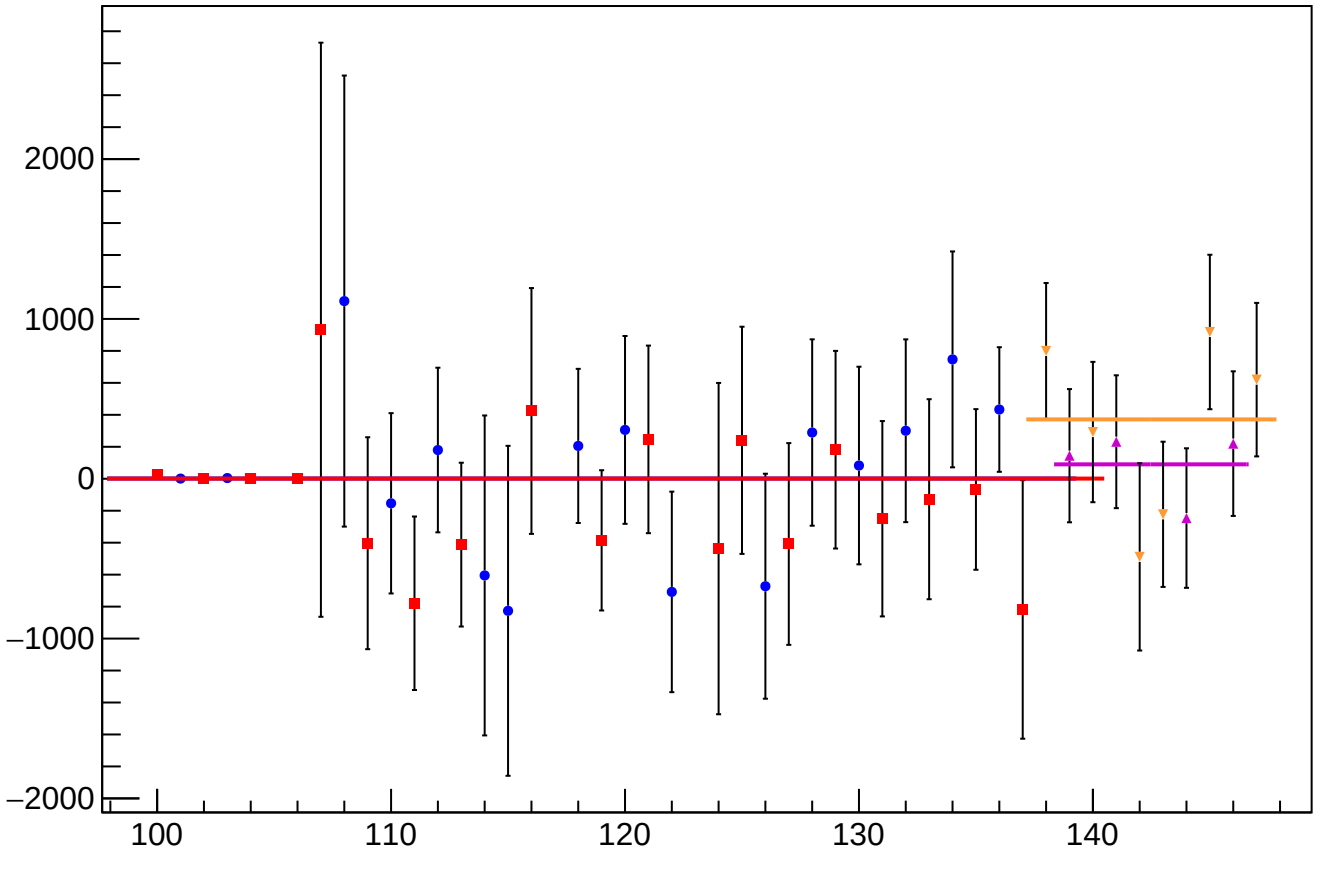
Left: 249.438+/-0.064 χ^2/NDF: 552921.1/9

Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 211.083+/-0.052 χ^2/NDF:4356840.5/19

Out: 202.613+/-0.048 χ^2/NDF:5252800.5/24

All: 206.550+/-0.035 χ^2/NDF: 9624003.2/44



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 371.381+/-192.102 χ^2/NDF:6.5/5

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 90.159+/-214.789 χ^2/NDF:0.8/3

Left: 246.402+/-143.188 χ^2/NDF: 8.2/9

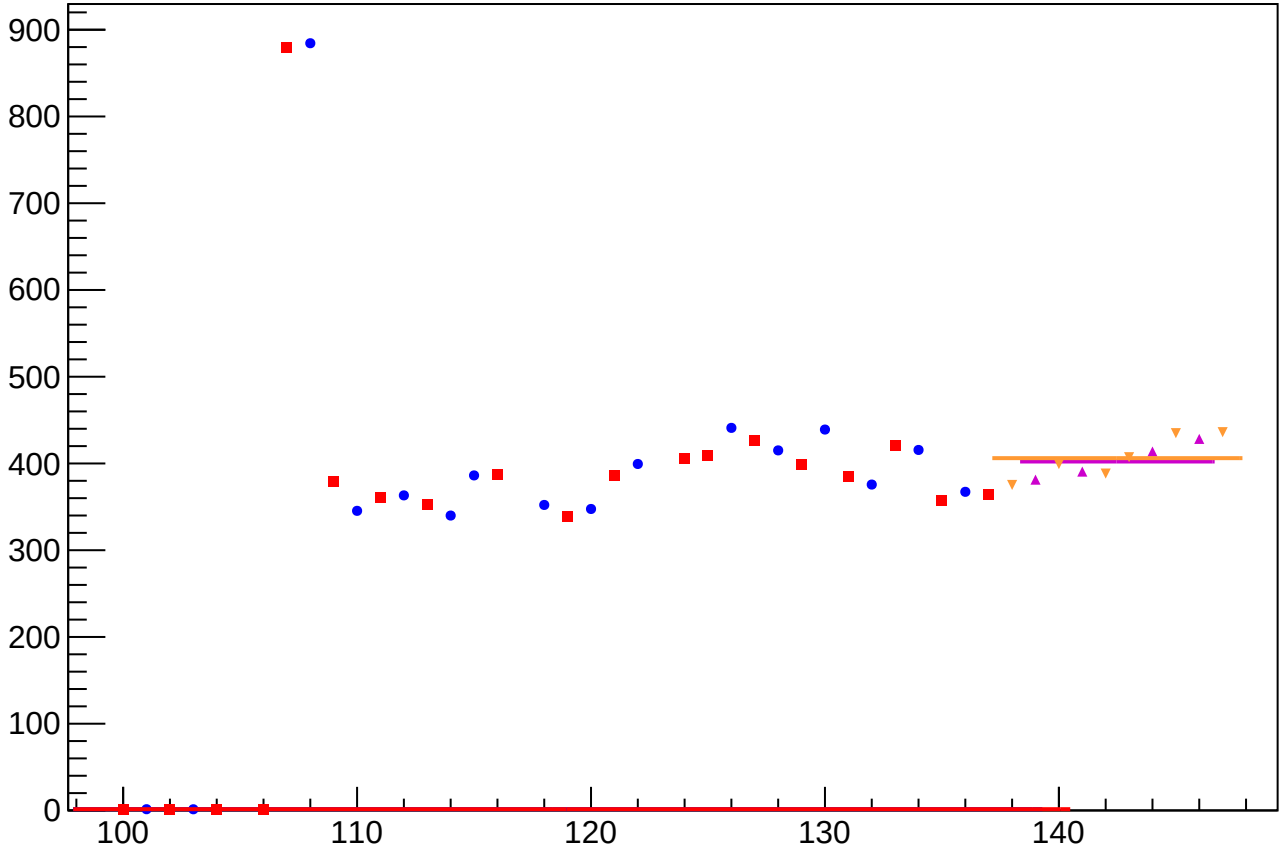
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.461+/-1.660 χ^2/NDF:8.9/19

Out: 1.117+/-1.528 χ^2/NDF:19.3/24

All: 1.275+/-1.124 χ^2/NDF: 28.2/44

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 406.124+/-0.136 χ^2/NDF:27784.2/5

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 402.272+/-0.152 χ^2/NDF:14629.8/3

Left: 404.412+/-0.101 χ^2/NDF: 42771.2/9

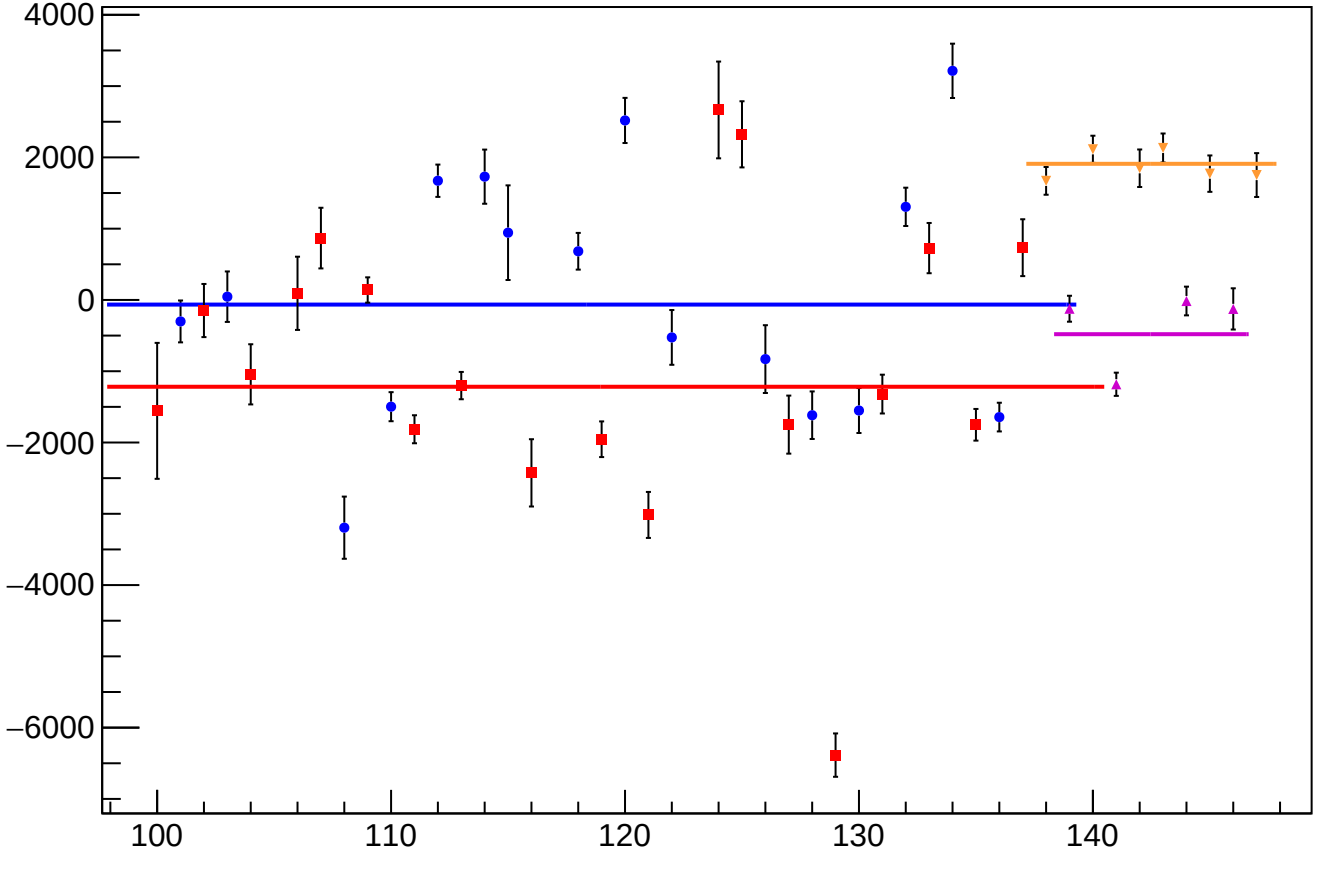
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.494+/-0.001 χ^2/NDF:18713655.8/19

Out: 1.493+/-0.001 χ^2/NDF:20172076.4/24

All: 1.493+/-0.001 χ^2/NDF: 38885732.9/44

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1909.763+/-91.842 χ^2/NDF:4.5/5

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -480.358+/-97.816 χ^2/NDF:29.3/3

Left: 789.920+/-66.954 χ^2/NDF: 351.1/9

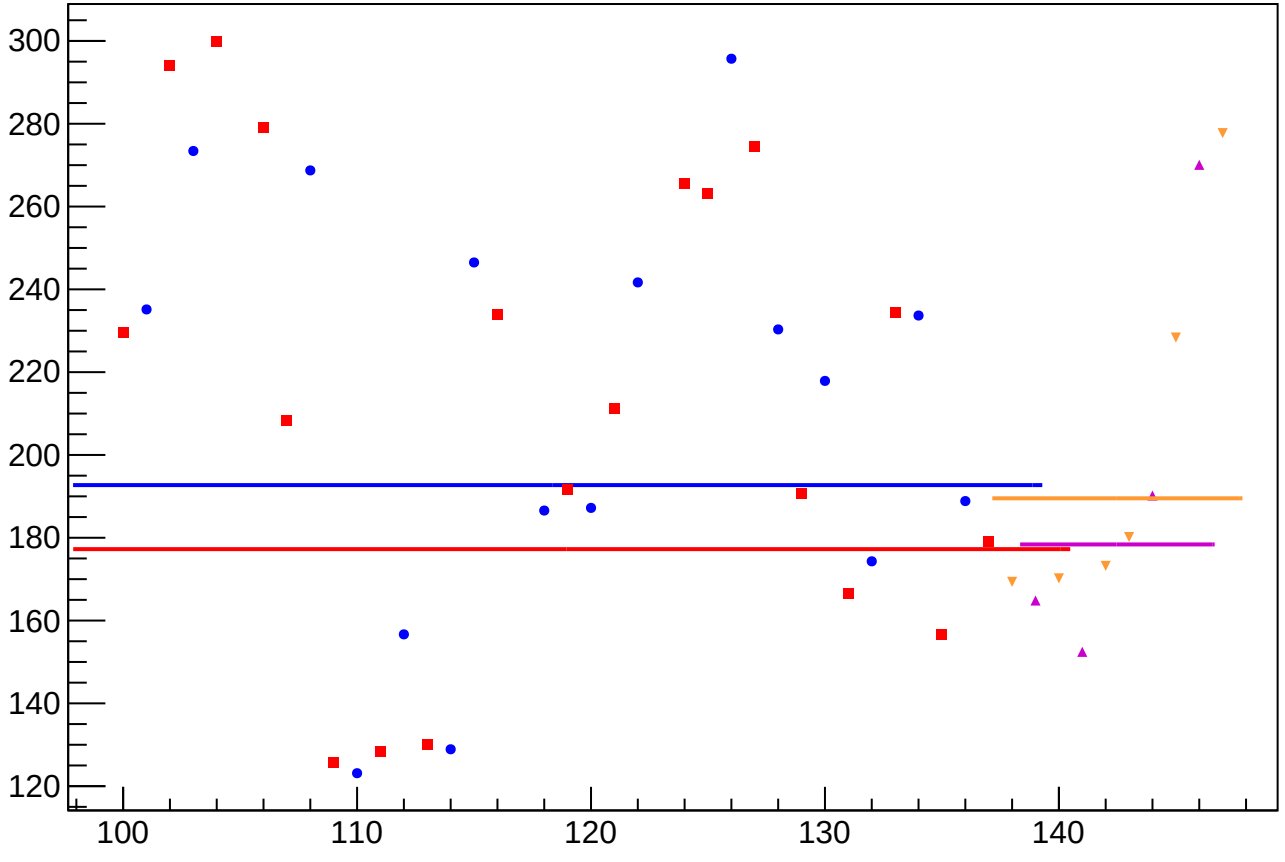
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -218.505+/-59.466 χ^2/NDF:510.1/19

Out: -88.957+/-55.177 χ^2/NDF:1340.2/24

All: -148.892+/-40.447 χ^2/NDF: 1852.9/44

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 189.529+/-0.065 χ^2/NDF:264775.0/5

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 178.390+/-0.069 χ^2/NDF:269831.9/3

Left: 184.310+/-0.047 χ^2/NDF: 548391.7/9

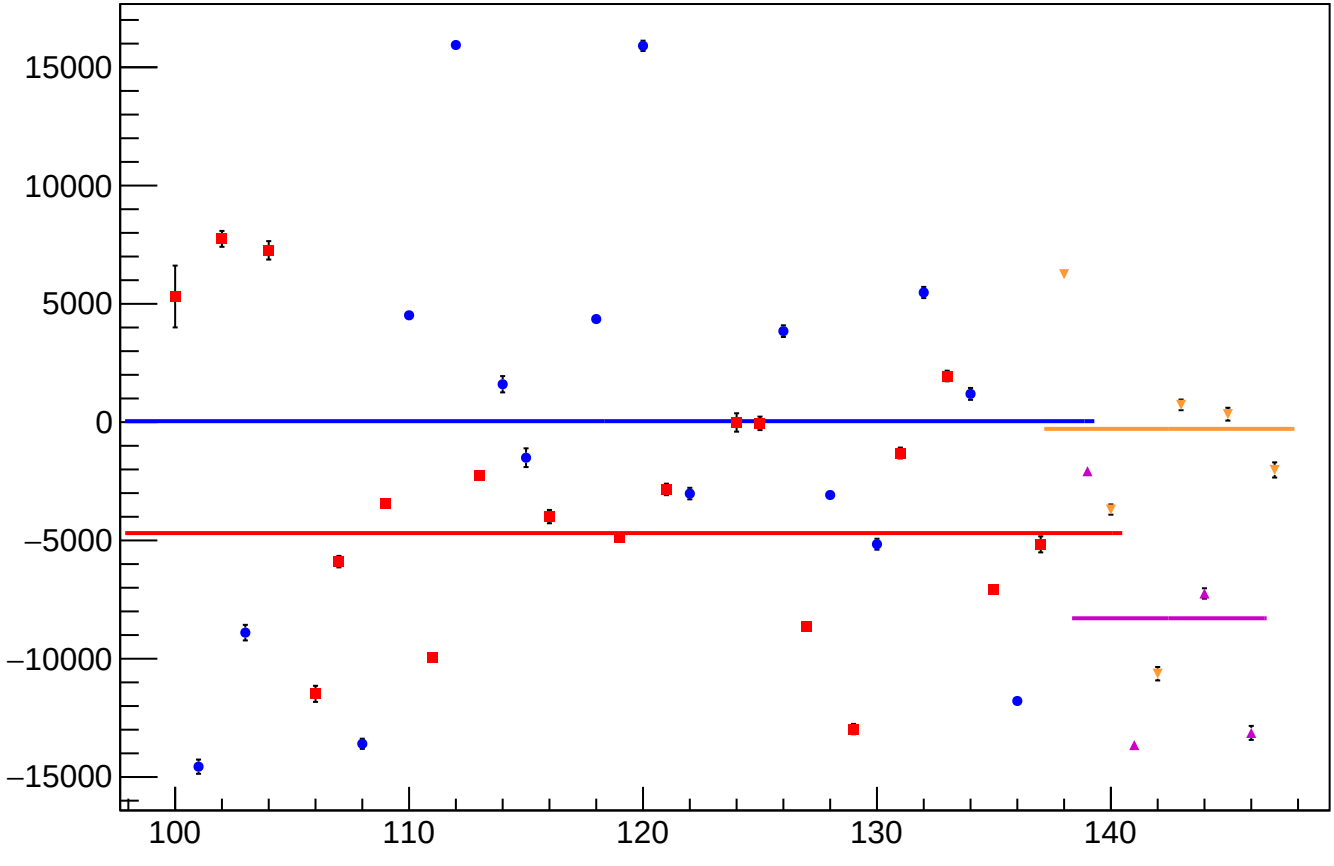
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 187.423+/-0.042 χ^2/NDF:1056036.5/19

Out: 181.683+/-0.039 χ^2/NDF:1513796.3/24

All: 184.339+/-0.029 χ^2/NDF: 2579847.6/44

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -284.663+/-97.341 χ^2/NDF:2859.9/5

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8290.564+/-107.557 χ^2/NDF:2126.6/3

Left: -3889.451+/-72.173 χ^2/NDF: 8032.2/9

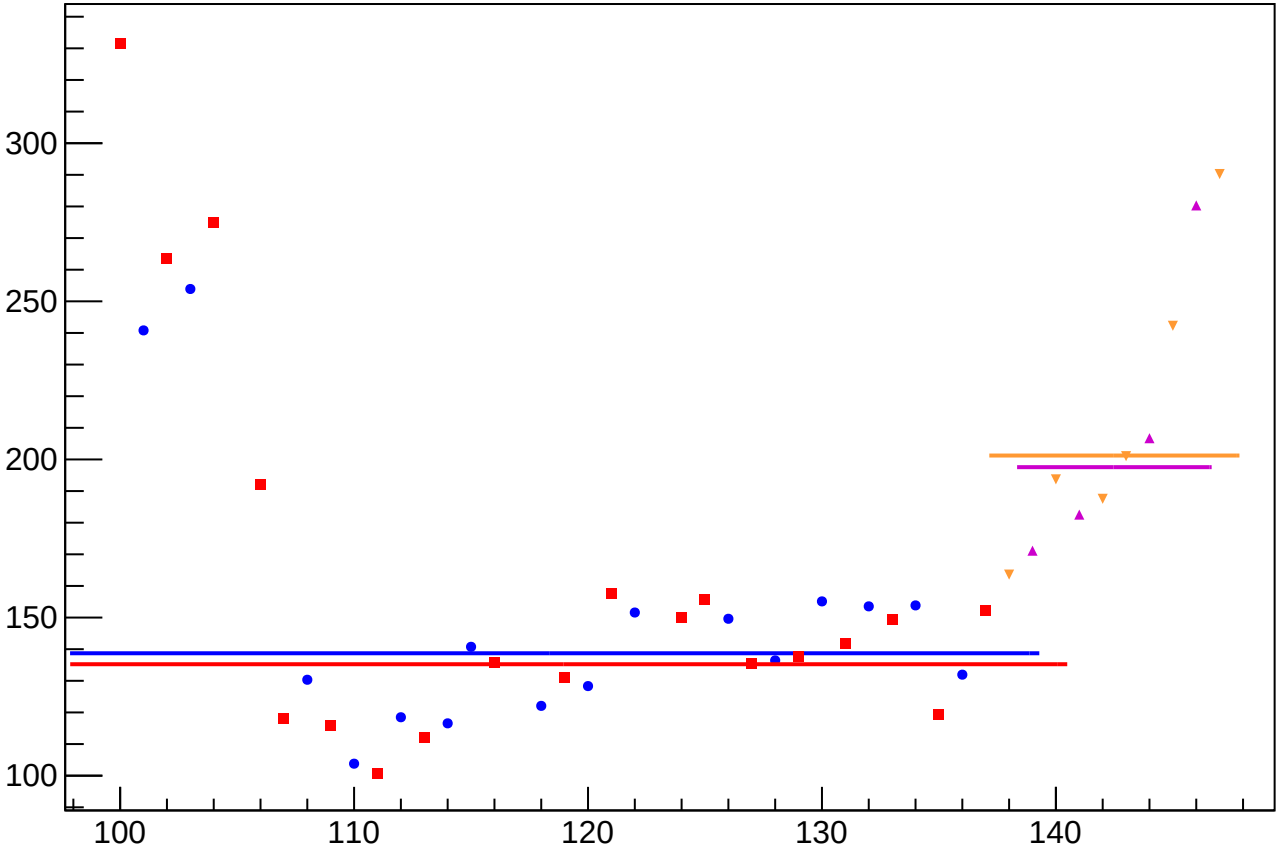
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1646.224+/-48.401 χ^2/NDF:37698.0/19

Out: -3708.942+/-45.931 χ^2/NDF:12247.5/24

All: -2731.555+/-33.317 χ^2/NDF: 50901.2/44

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 201.238+/-0.069 χ^2/NDF:288851.0/5

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 197.562+/-0.076 χ^2/NDF:210445.2/3

Left: 199.583+/-0.051 χ^2/NDF: 500580.8/9

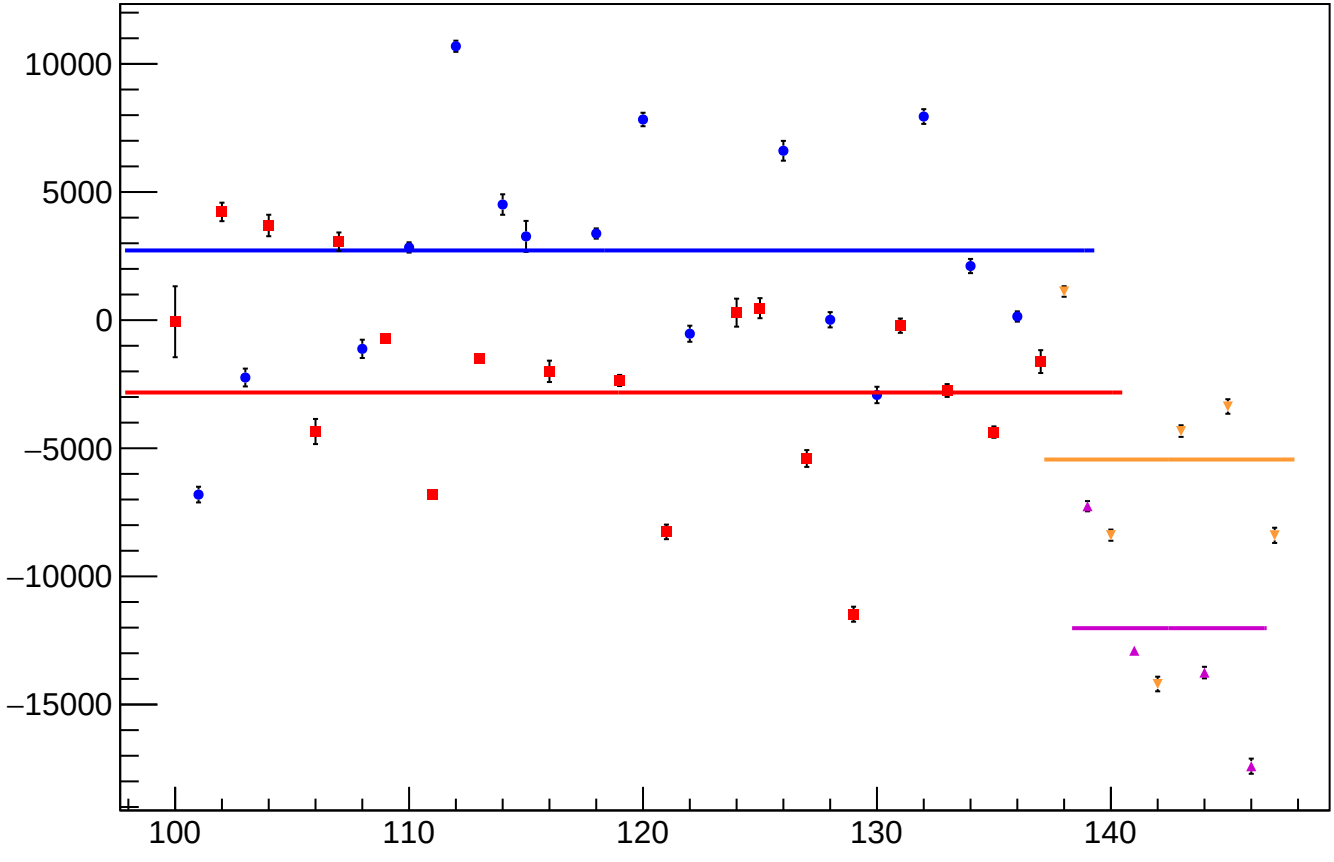
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 150.629+/-0.034 χ^2/NDF:1345735.0/19

Out: 149.938+/-0.032 χ^2/NDF:1893454.8/24

All: 150.266+/-0.024 χ^2/NDF: 3239404.2/44

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5439.501+/-99.958 χ^2/NDF:2318.1/5

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12020.892+/-109.141 χ^2/NDF:981.0/3

Left: -8441.708+/-73.714 χ^2/NDF: 5276.6/9

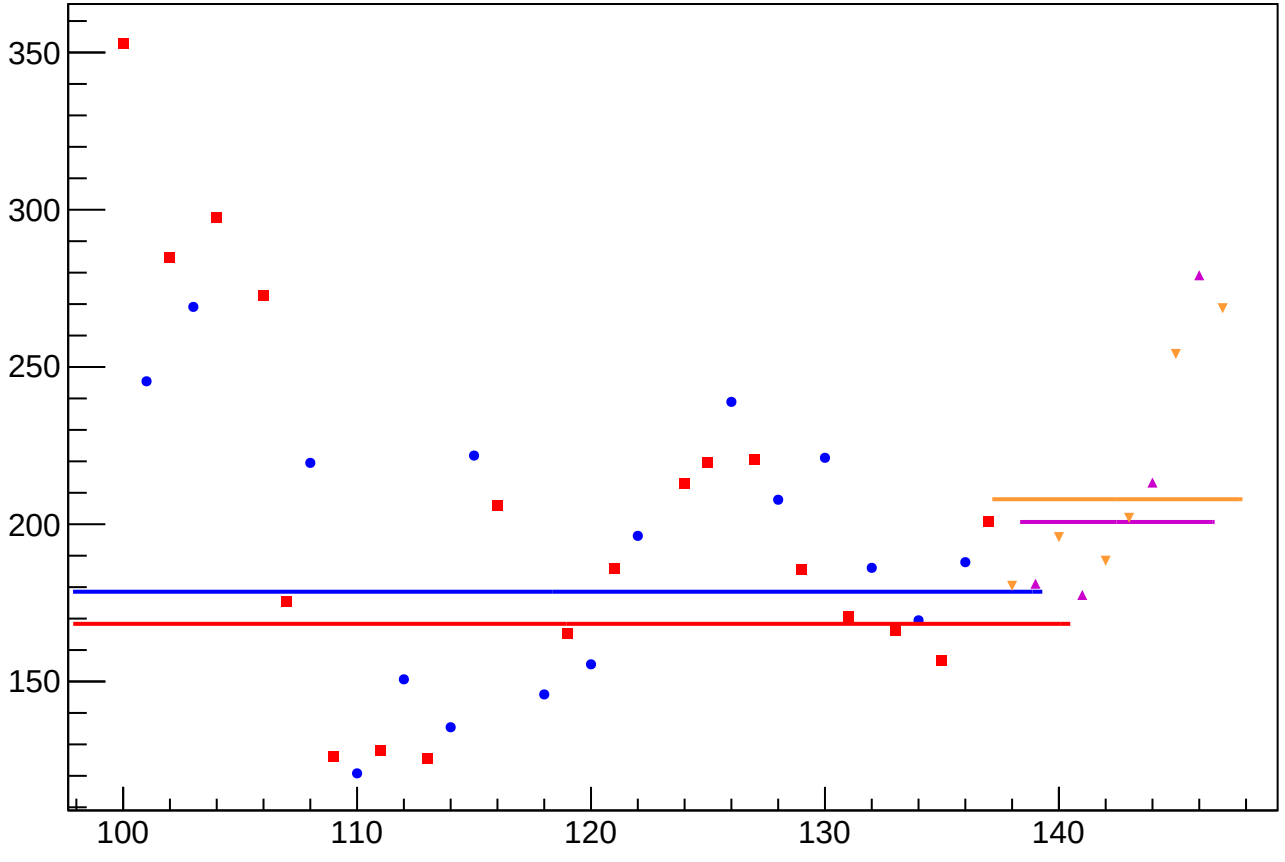
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -1510.941+/-58.471 χ^2/NDF:18116.3/19

Out: -3598.553+/-54.404 χ^2/NDF:5862.8/24

All: -2629.876+/-39.829 χ^2/NDF: 24662.3/44

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 207.953+/-0.071 χ^2/NDF:189146.2/5

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 200.724+/-0.077 χ^2/NDF:195687.4/3

Left: 204.655+/-0.052 χ^2/NDF: 389605.8/9

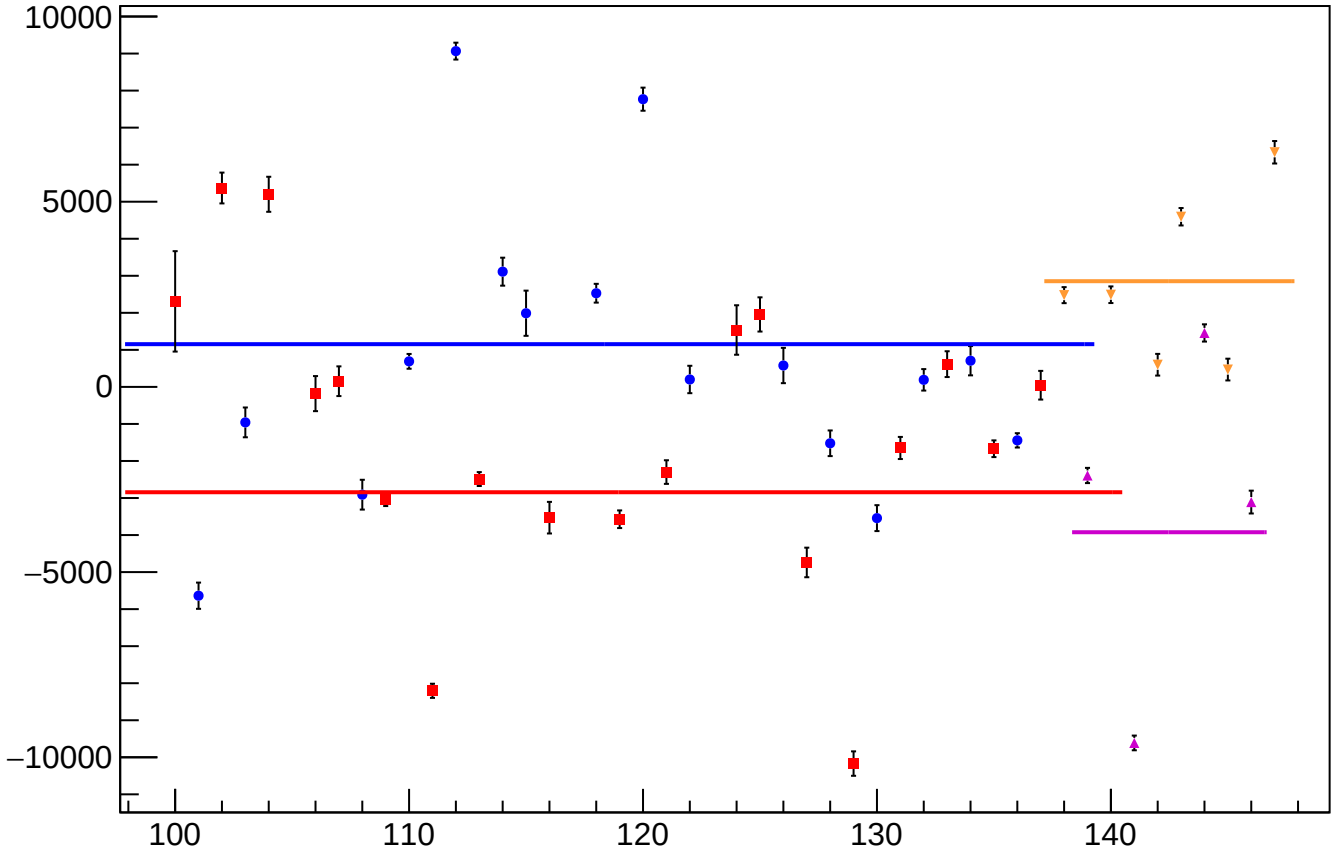
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 184.908+/-0.041 χ^2/NDF:929161.0/19

Out: 180.071+/-0.038 χ^2/NDF:1389753.6/24

All: 182.315+/-0.028 χ^2/NDF: 2326250.8/44

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2853.913+/-103.504 χ^2/NDF:317.2/5

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -3923.686+/-113.245 χ^2/NDF:1415.5/3

Left: -230.888+/-76.401 χ^2/NDF: 3684.2/9

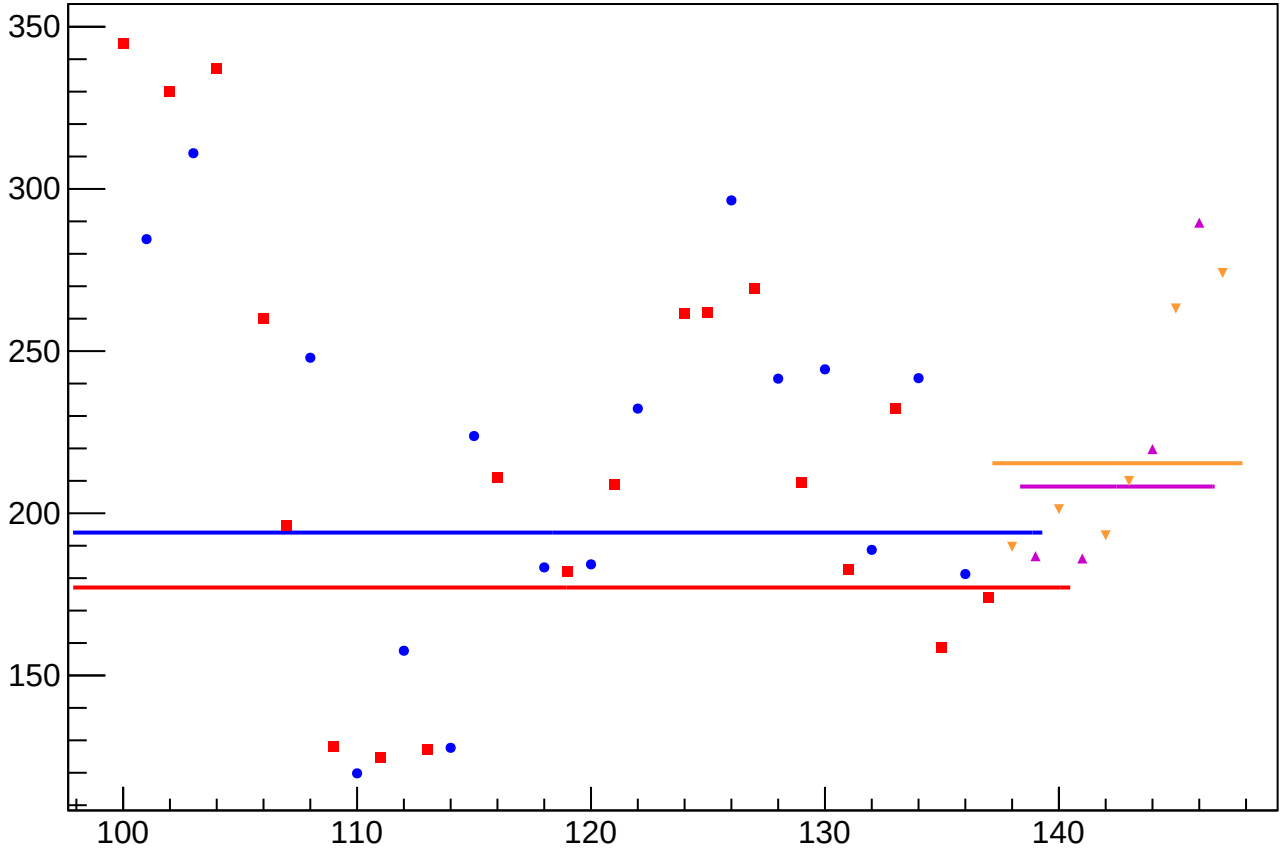
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -421.653+/-63.081 χ^2/NDF:5457.3/19

Out: -1085.925+/-57.492 χ^2/NDF:4865.7/24

All: -784.516+/-42.492 χ^2/NDF: 10383.7/44

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.430+/-0.073 χ^2/NDF:176419.6/5

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 208.245+/-0.080 χ^2/NDF:191187.6/3

Left: 212.160+/-0.054 χ^2/NDF: 371993.5/9

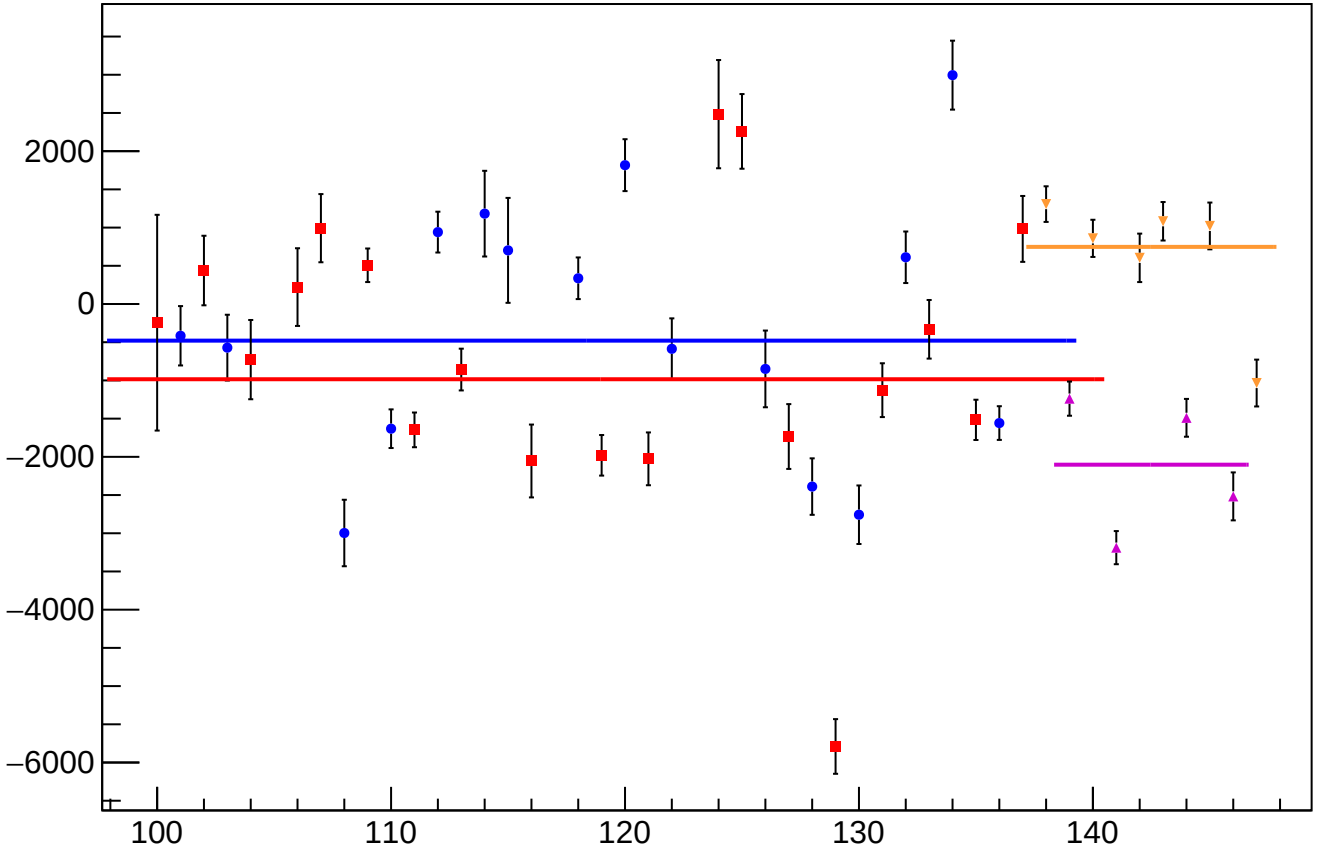
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.457+/-0.045 χ^2/NDF:1178638.6/19

Out: 188.937+/-0.041 χ^2/NDF:1725271.6/24

All: 193.256+/-0.030 χ^2/NDF: 2928793.1/44

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 747.608+/-110.203 χ^2/NDF:42.5/5

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2102.702+/-121.497 χ^2/NDF:47.9/3

Left: -538.938+/-81.627 χ^2/NDF: 392.4/9

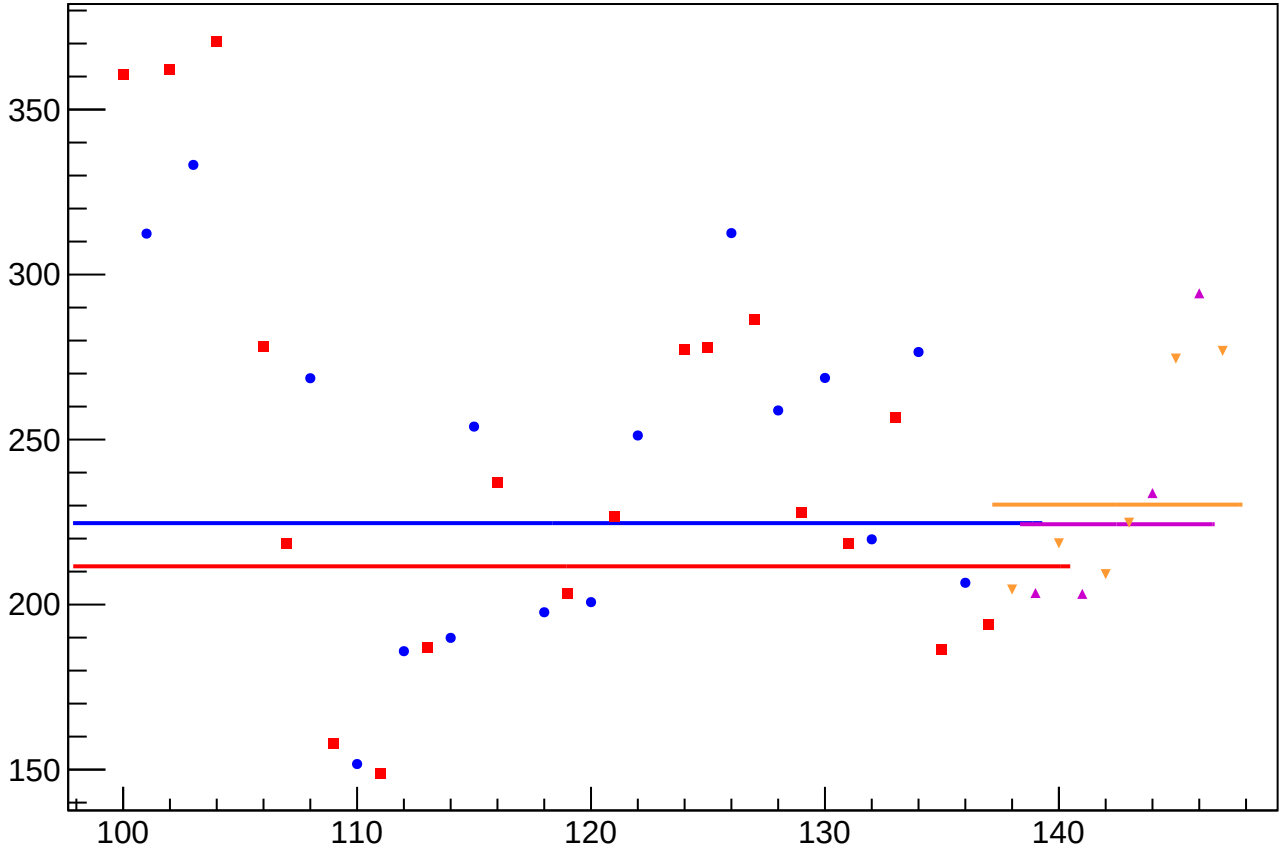
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1026.924+/-70.565 χ^2/NDF:471.6/19

Out: -377.493+/-65.238 χ^2/NDF:601.1/24

All: -676.771+/-47.903 χ^2/NDF: 1118.5/44

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 230.291+/-0.078 χ^2/NDF:126757.6/5

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 224.349+/-0.086 χ^2/NDF:138649.8/3

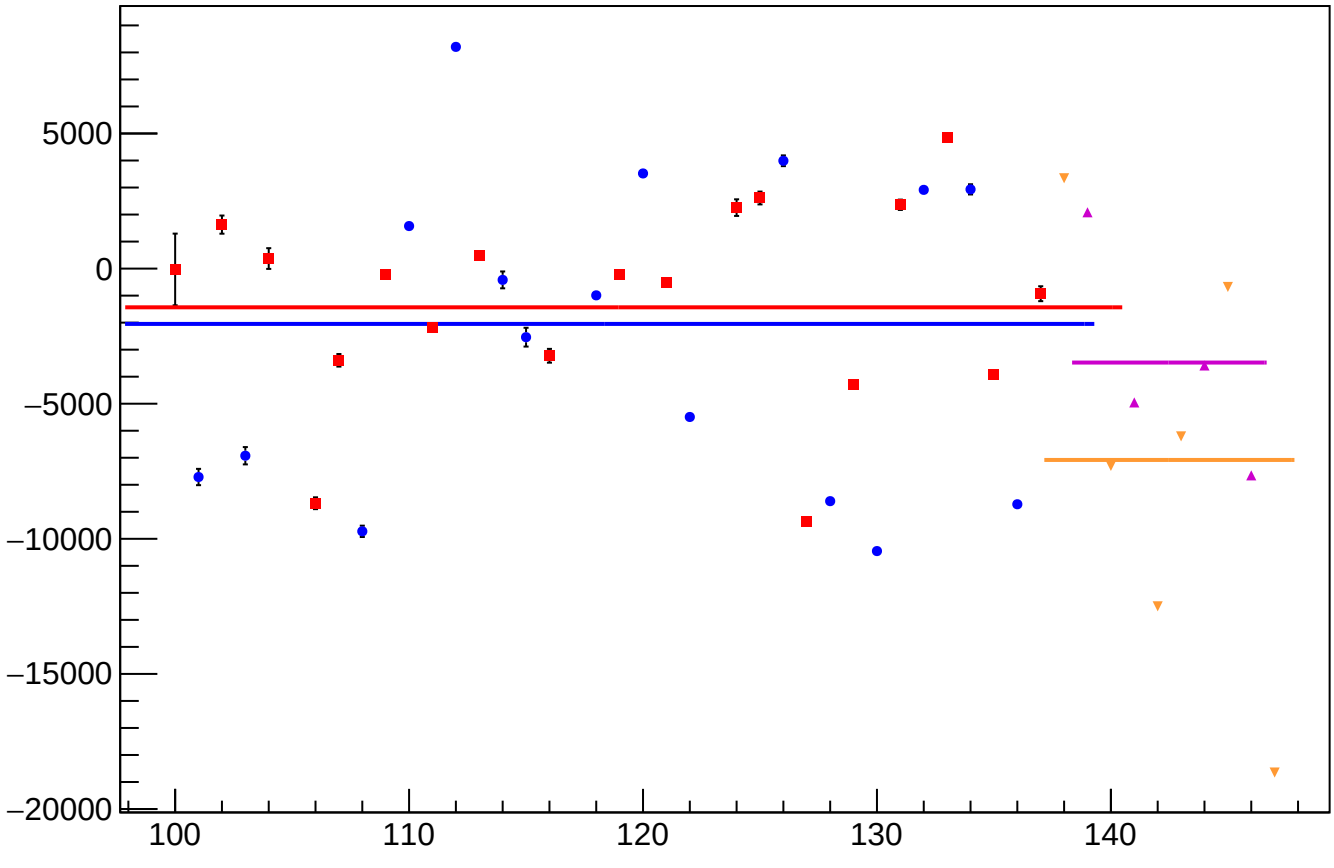
Left: 227.609+/-0.058 χ^2/NDF: 268031.3/9

Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.570+/-0.050 χ^2/NDF:791853.2/19

Out: 218.147+/-0.046 χ^2/NDF:1097049.4/24

All: 221.107+/-0.034 χ^2/NDF: 1897837.9/44



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -7081.454+/-53.760 χ^2/NDF:18936.7/5

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -3477.145+/-61.589 χ^2/NDF:3061.2/3

Left: -5522.809+/-40.501 χ^2/NDF: 23941.7/9

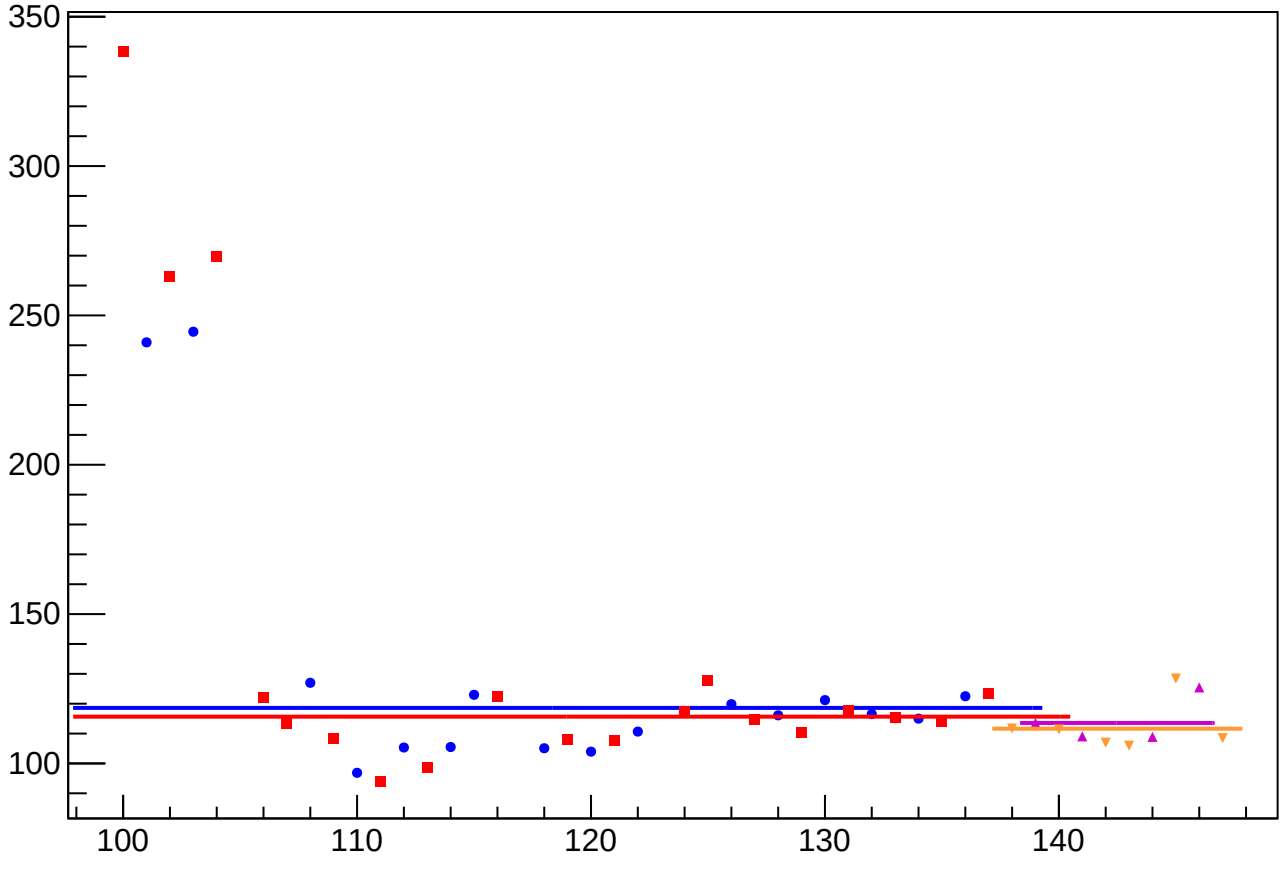
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -2569.563+/-37.223 χ^2/NDF:20112.4/19

Out: -3743.541+/-34.384 χ^2/NDF:31848.1/24

All: -3203.023+/-25.257 χ^2/NDF: 52497.3/44

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.635+/-0.038 χ^2/NDF:34278.3/5

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 113.549+/-0.044 χ^2/NDF:21891.7/3

Left: 112.463+/-0.029 χ^2/NDF: 57266.2/9

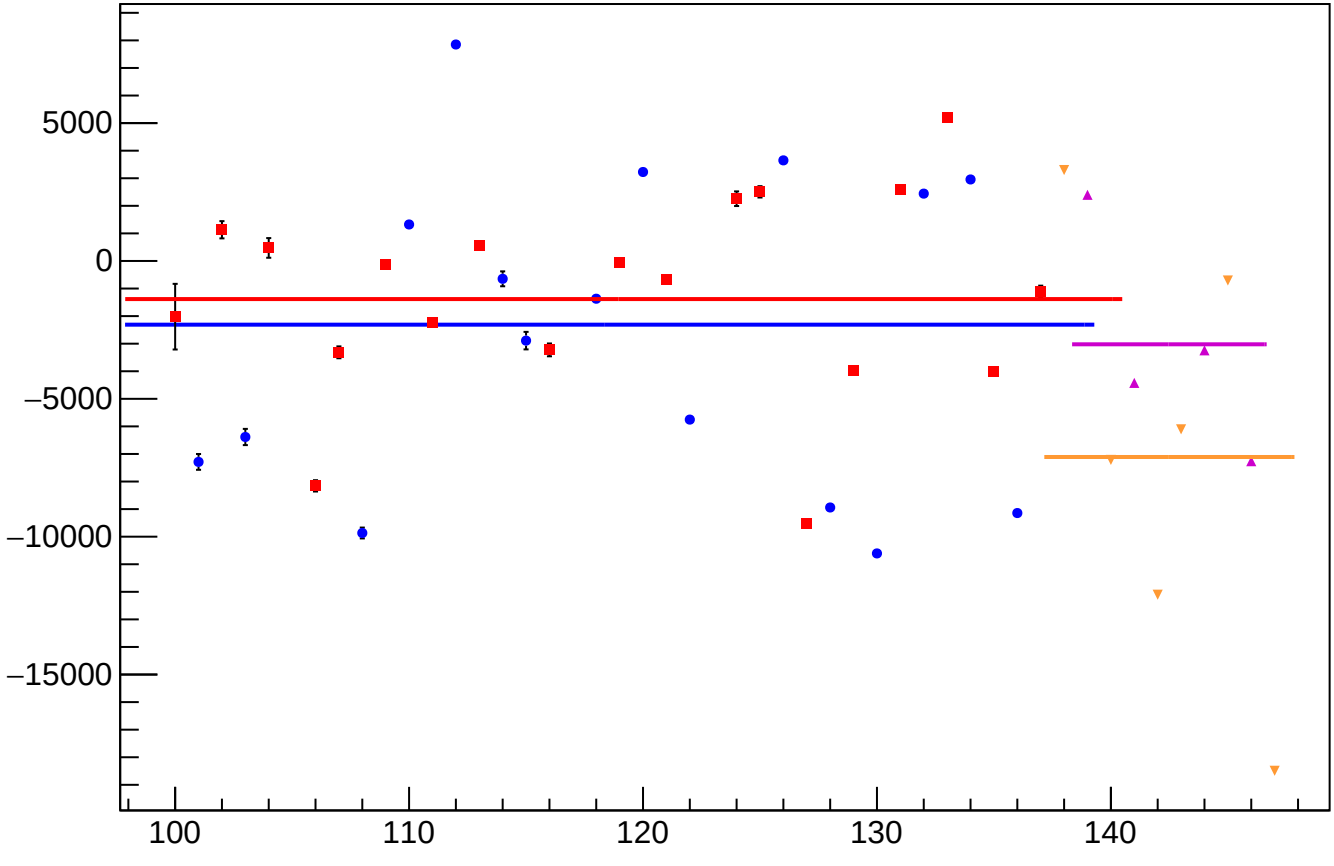
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.752+/-0.026 χ^2/NDF:764573.4/19

Out: 114.013+/-0.024 χ^2/NDF:905107.1/24

All: 115.275+/-0.018 χ^2/NDF: 1675523.9/44

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -7110.041+/-49.184 χ^2/NDF:22002.4/5

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -3022.676+/-55.989 χ^2/NDF:3642.3/3

Left: -5329.718+/-36.951 χ^2/NDF: 28652.9/9

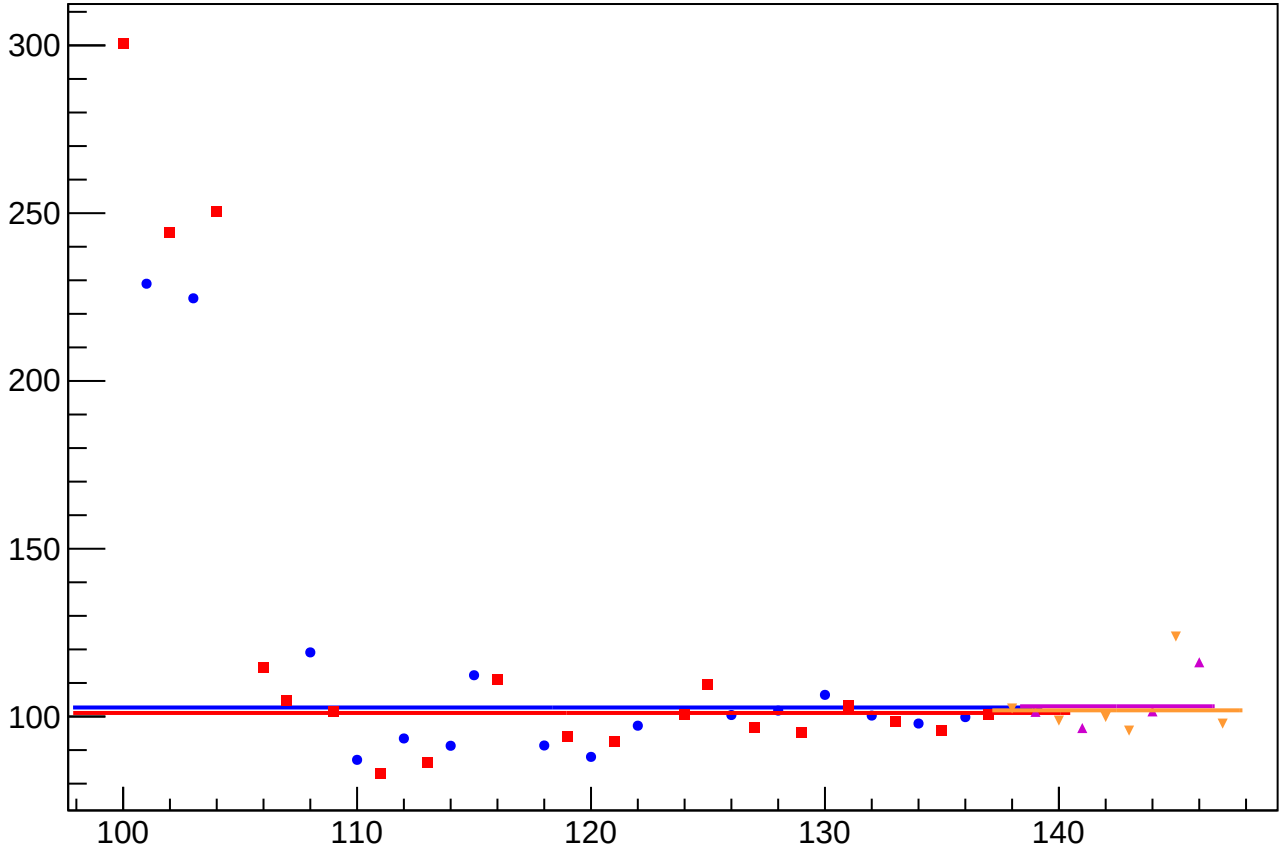
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -2557.050+/-32.939 χ^2/NDF:25427.6/19

Out: -3617.085+/-30.722 χ^2/NDF:38852.0/24

All: -3123.933+/-22.467 χ^2/NDF: 64833.5/44

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 101.845+/-0.035 χ^2/NDF:60193.7/5

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 103.051+/-0.040 χ^2/NDF:30881.9/3

Left: 102.370+/-0.026 χ^2/NDF: 91599.6/9

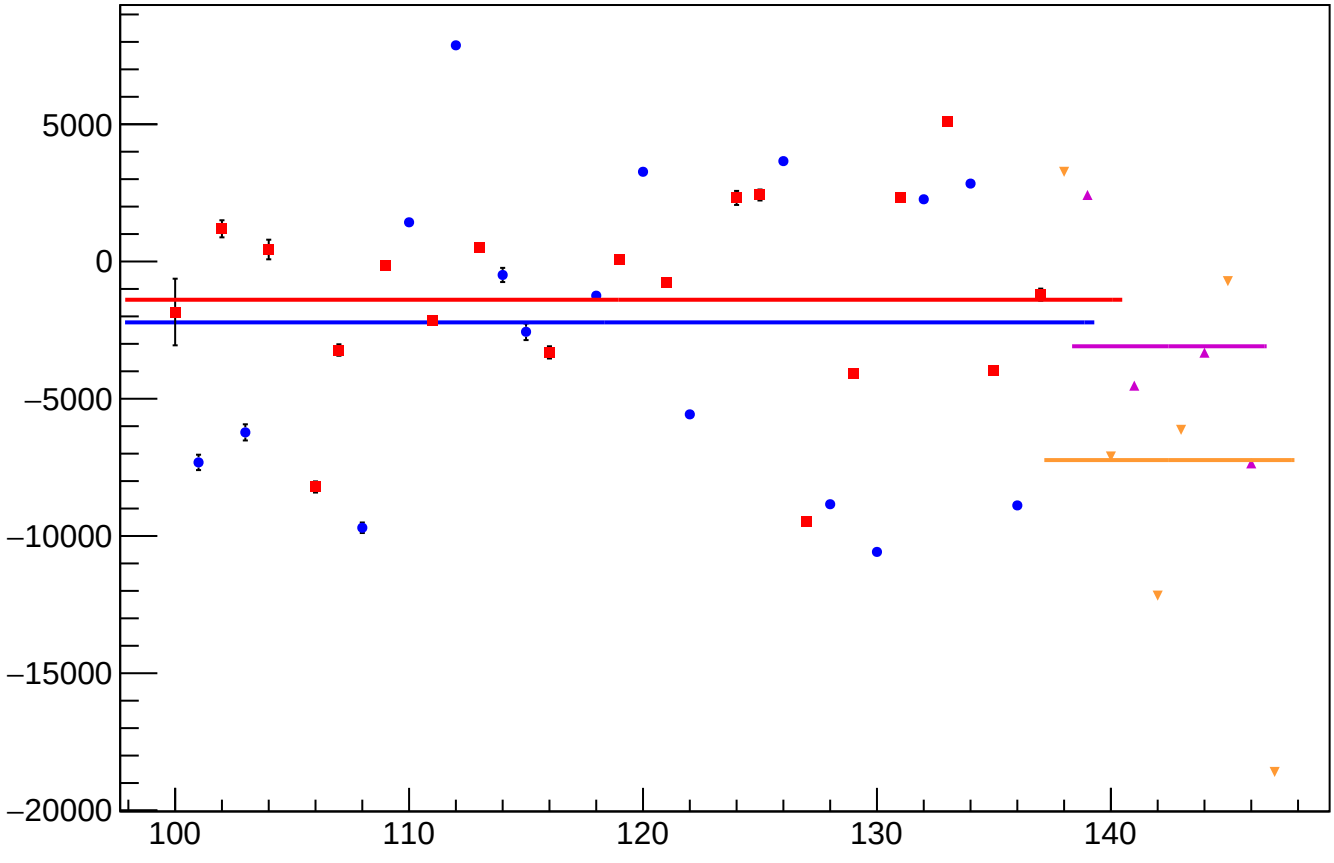
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 102.818+/-0.023 χ^2/NDF:856736.8/19

Out: 101.368+/-0.022 χ^2/NDF:990959.9/24

All: 102.043+/-0.016 χ^2/NDF: 1849767.0/44

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -7234.668+/-47.549 χ^2/NDF:24130.4/5

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -3088.729+/-54.251 χ^2/NDF:3967.5/3

Left: -5433.479+/-35.758 χ^2/NDF: 31400.9/9

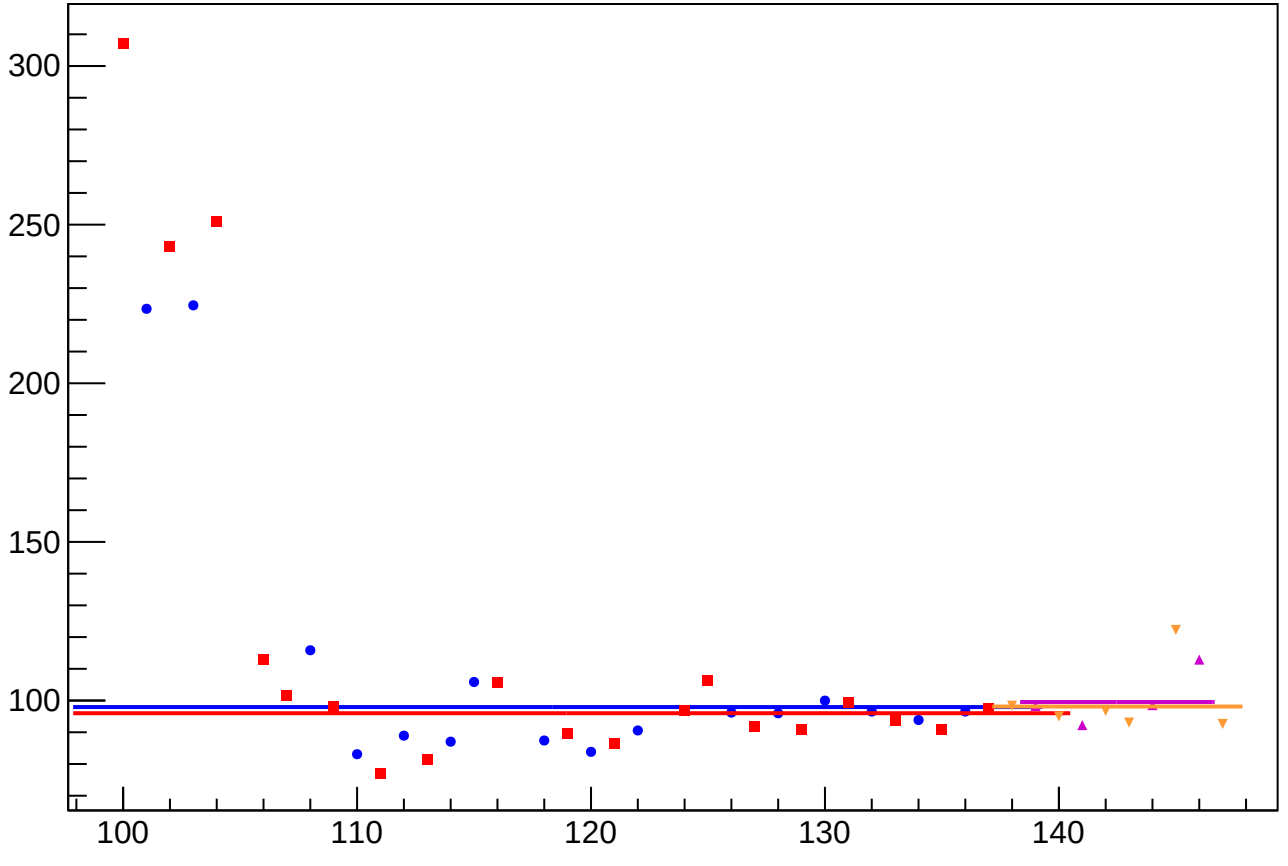
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -2515.087+/-31.687 χ^2/NDF:27177.9/19

Out: -3639.328+/-29.483 χ^2/NDF:42571.2/24

All: -3117.664+/-21.585 χ^2/NDF: 70423.8/44

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.113+/-0.034 χ^2/NDF:72956.3/5

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 99.533+/-0.038 χ^2/NDF:35499.1/3

Left: 98.730+/-0.025 χ^2/NDF: 109230.8/9

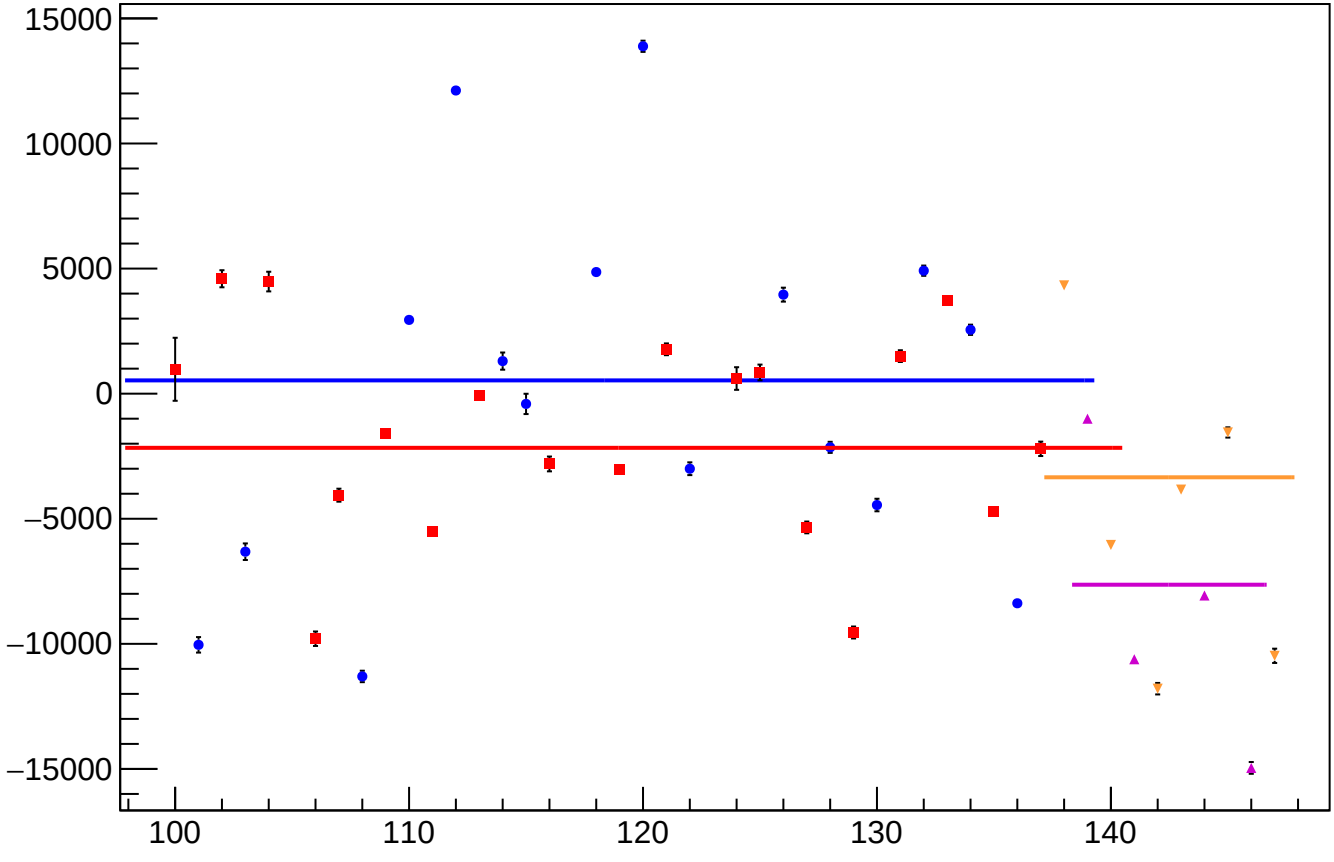
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 98.486+/-0.022 χ^2/NDF:904778.3/19

Out: 96.815+/-0.021 χ^2/NDF:1087662.4/24

All: 97.590+/-0.015 χ^2/NDF: 1995420.7/44

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3343.092+/-77.476 χ^2/NDF:4731.8/5

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -7636.651+/-86.631 χ^2/NDF:3082.4/3

Left: -5251.088+/-57.750 χ^2/NDF: 9178.9/9

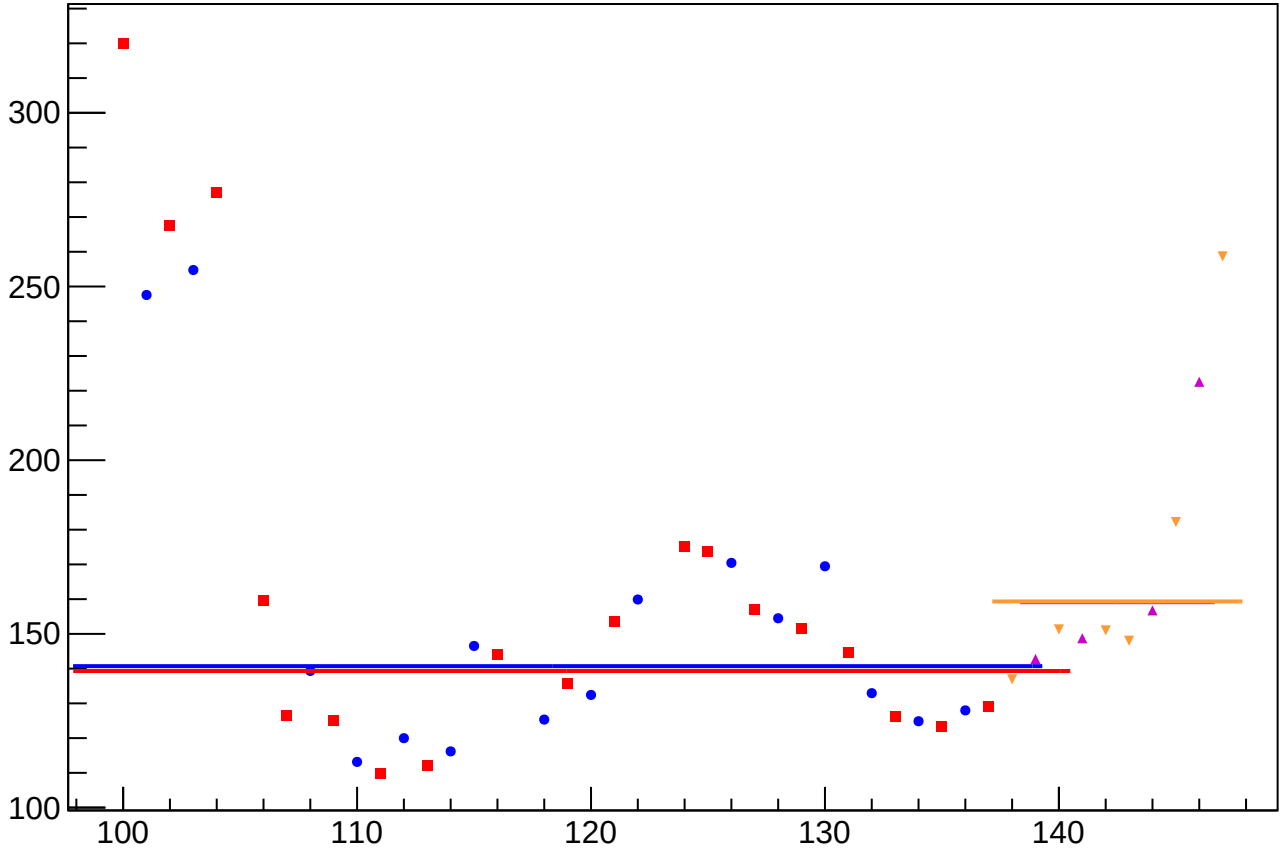
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -1806.847+/-46.345 χ^2/NDF:28014.3/19

Out: -2544.975+/-44.000 χ^2/NDF:9855.5/24

All: -2195.055+/-31.910 χ^2/NDF: 38003.2/44

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 159.335+/-0.055 χ^2/NDF:324653.7/5

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 159.131+/-0.061 χ^2/NDF:175568.0/3

Left: 159.244+/-0.041 χ^2/NDF: 500227.8/9

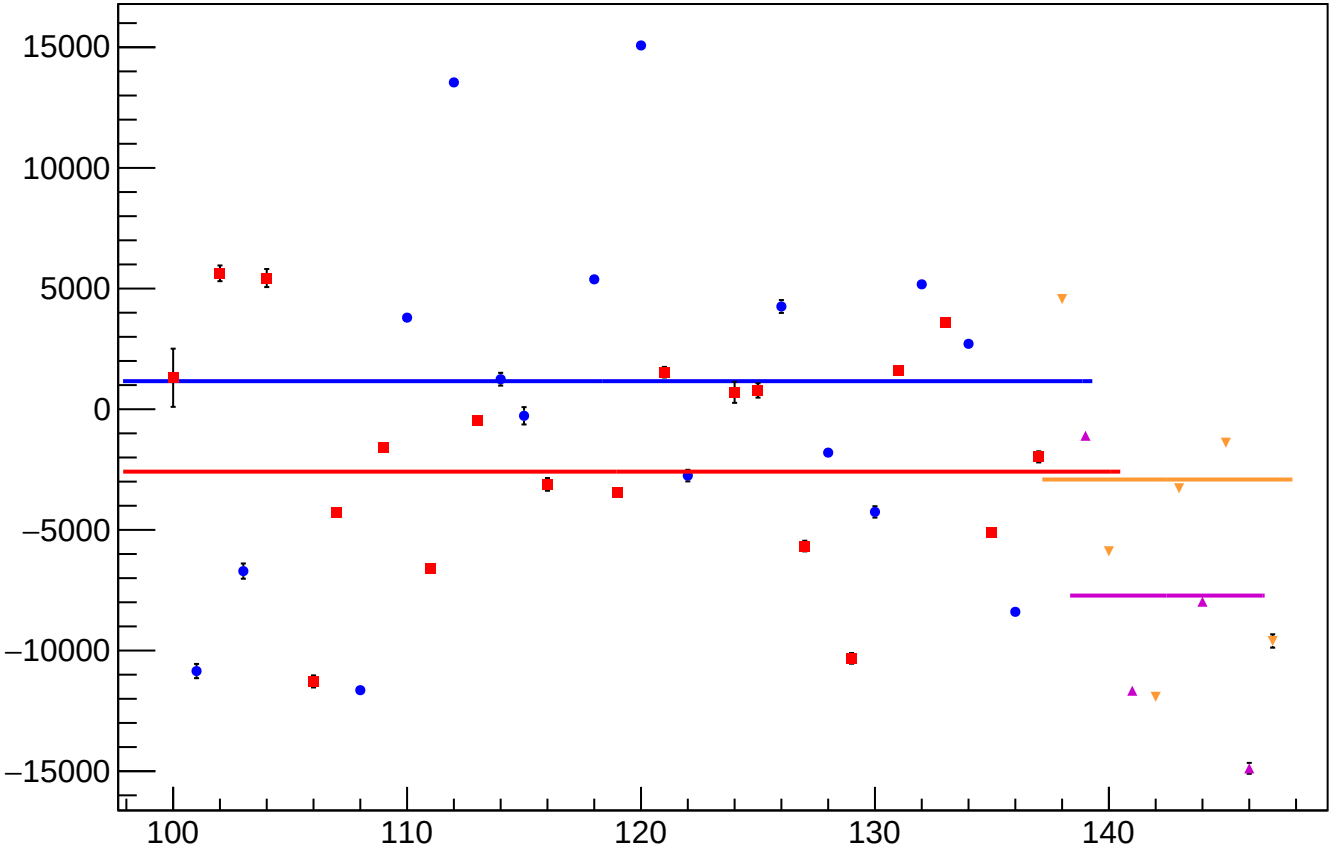
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 145.986+/-0.033 χ^2/NDF:915702.0/19

Out: 145.773+/-0.031 χ^2/NDF:1217420.5/24

All: 145.874+/-0.023 χ^2/NDF: 2133144.6/44

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2912.798+/-69.148 χ^2/NDF:6092.2/5

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -7722.068+/-76.898 χ^2/NDF:4182.9/3

Left: -5062.942+/-51.417 χ^2/NDF: 12437.7/9

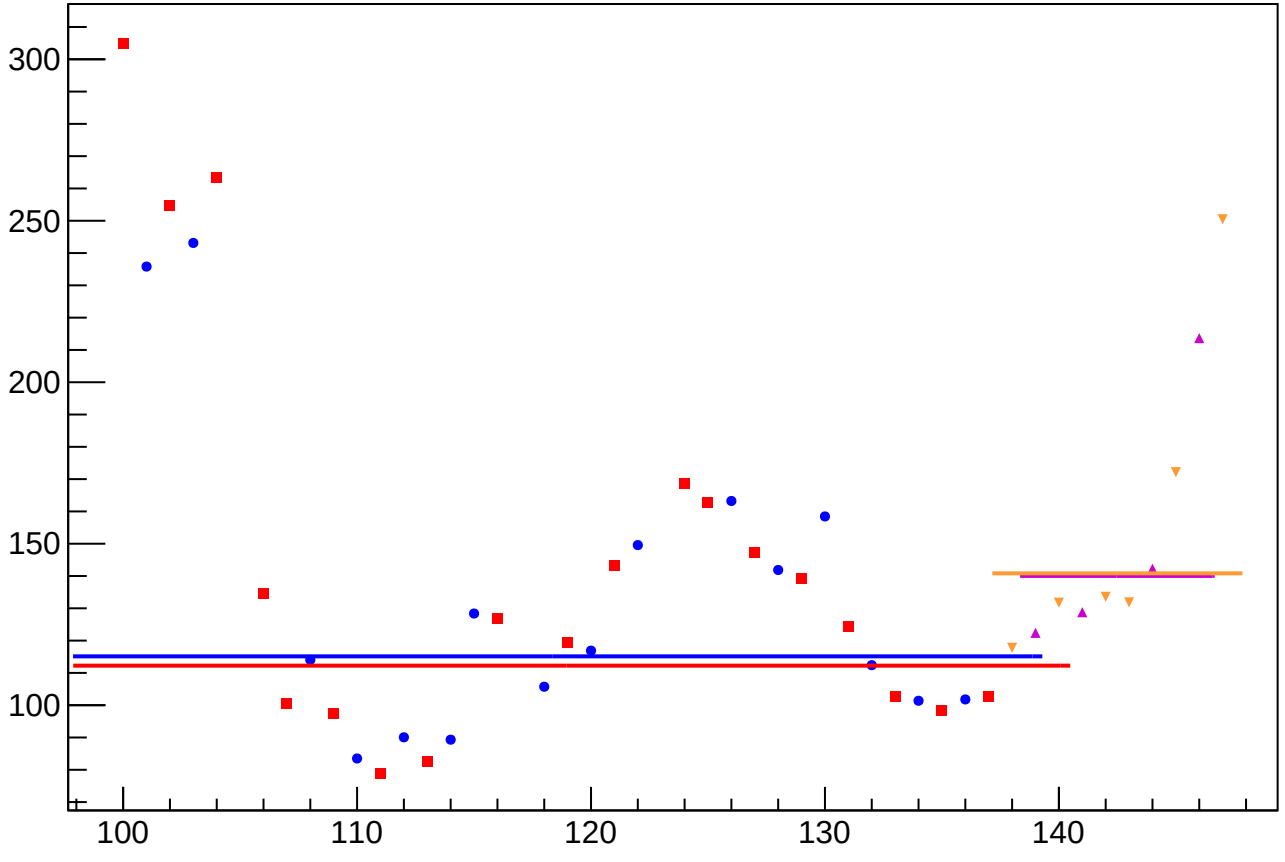
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -1173.322+/-39.432 χ^2/NDF:44777.2/19

Out: -2681.502+/-37.275 χ^2/NDF:14207.7/24

All: -1969.777+/-27.088 χ^2/NDF: 59757.4/44

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 140.829+/-0.049 χ^2/NDF:442494.2/5

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 140.032+/-0.054 χ^2/NDF:259290.6/3

Left: 140.473+/-0.036 χ^2/NDF: 701903.8/9

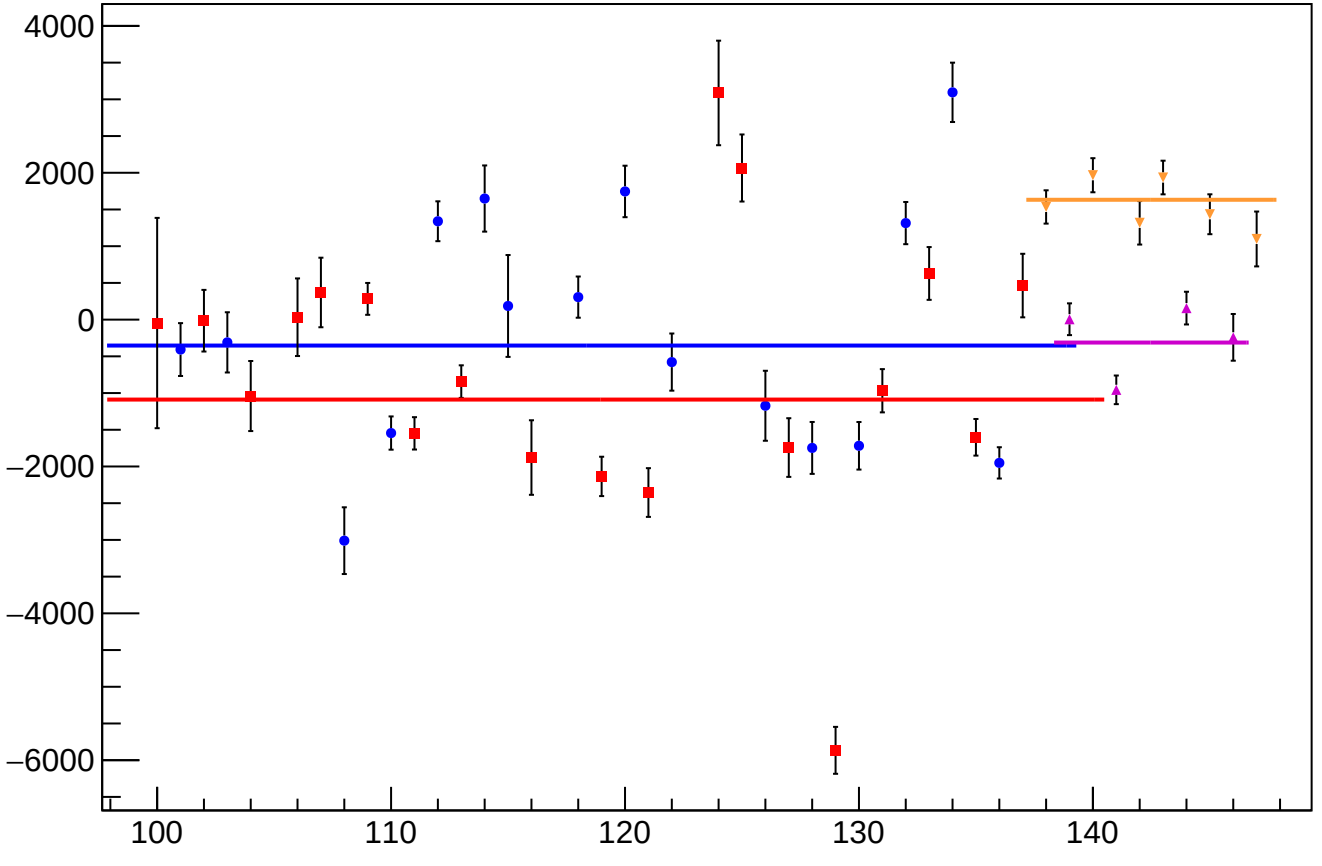
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 121.674+/-0.028 χ^2/NDF:1526916.9/19

Out: 120.549+/-0.026 χ^2/NDF:2013163.7/24

All: 121.080+/-0.019 χ^2/NDF: 3540941.4/44

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1632.191+/-105.903 χ^2/NDF:7.7/5

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: -312.234+/-113.459 χ^2/NDF:17.5/3

Left: 726.879+/-77.418 χ^2/NDF: 182.2/9

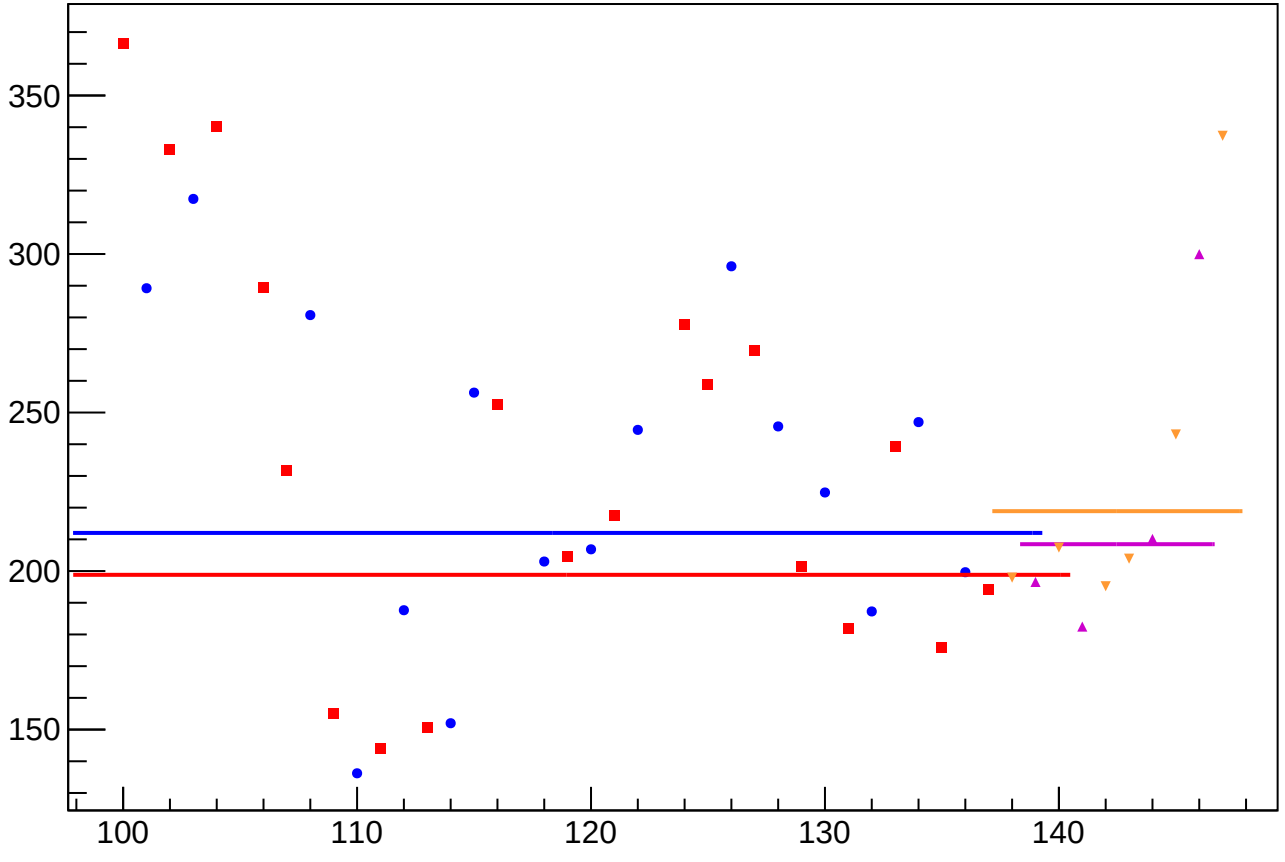
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -339.067+/-66.532 χ^2/NDF:379.4/19

Out: -156.681+/-61.983 χ^2/NDF:888.8/24

All: -241.426+/-45.352 χ^2/NDF: 1272.3/44

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 218.889+/-0.075 χ^2/NDF:260104.4/5

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 208.472+/-0.080 χ^2/NDF:207093.1/3

Left: 214.039+/-0.055 χ^2/NDF: 476207.9/9

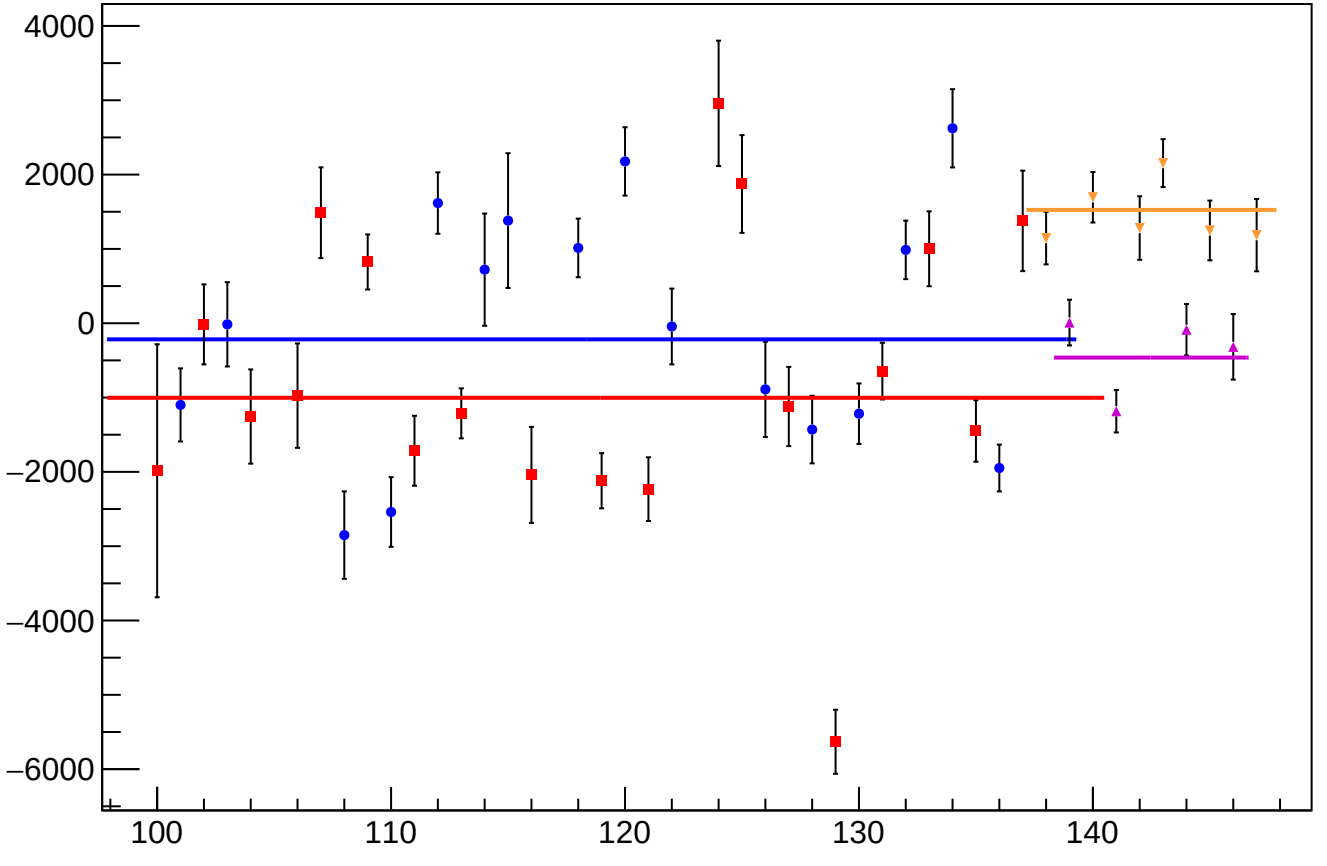
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 210.805+/-0.047 χ^2/NDF:898739.9/19

Out: 205.688+/-0.044 χ^2/NDF:1282304.4/24

All: 208.065+/-0.032 χ^2/NDF: 2187377.8/44

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1524.872+/-153.970 χ^2/NDF:6.5/5

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -462.210+/-166.076 χ^2/NDF:10.0/3

Left: 606.386+/-112.911 χ^2/NDF: 93.5/9

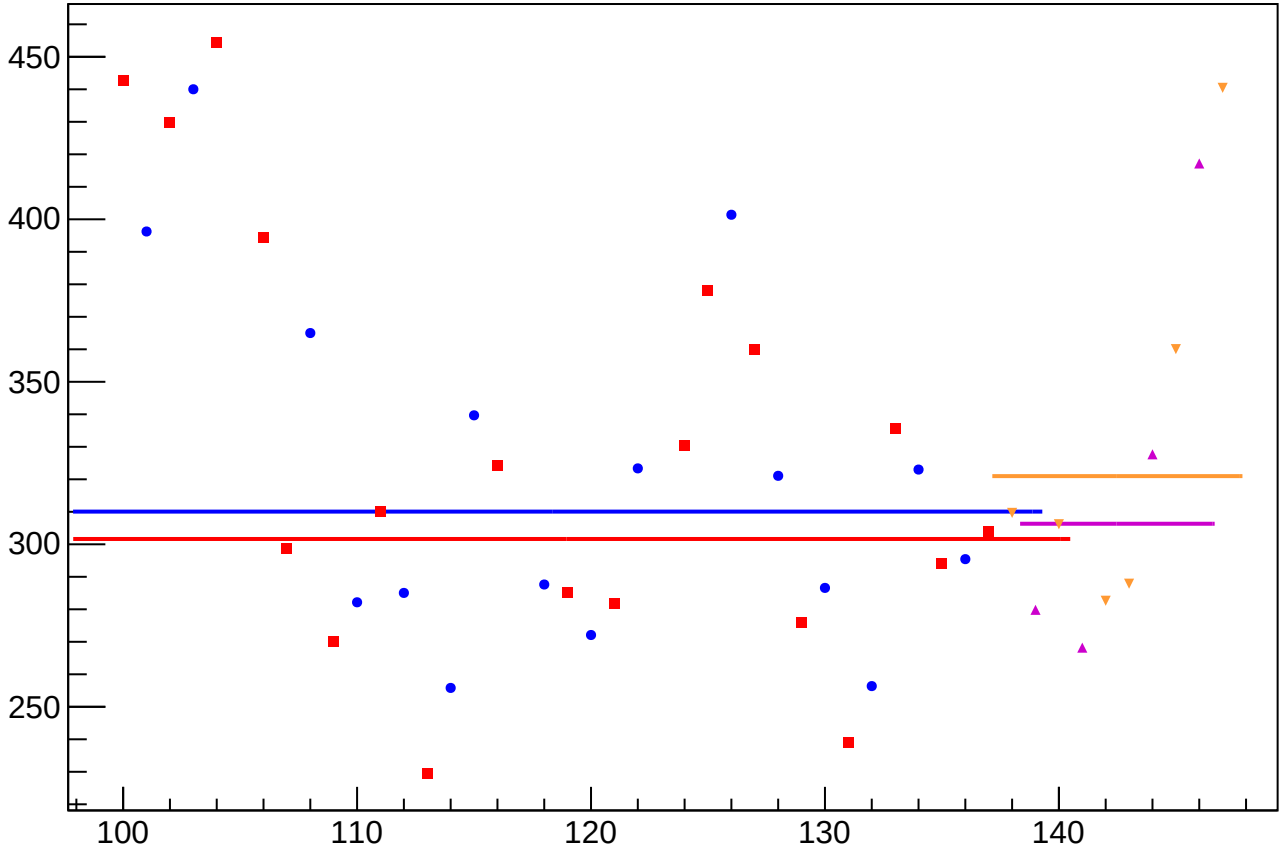
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -299.123+/-96.131 χ^2/NDF:203.6/19

Out: -116.981+/-91.157 χ^2/NDF:435.9/24

All: -203.218+/-66.146 χ^2/NDF: 641.4/44

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 320.979+/-0.109 χ^2/NDF:182673.9/5

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 306.324+/-0.117 χ^2/NDF:184220.3/3

Left: 314.205+/-0.080 χ^2/NDF: 375268.8/9

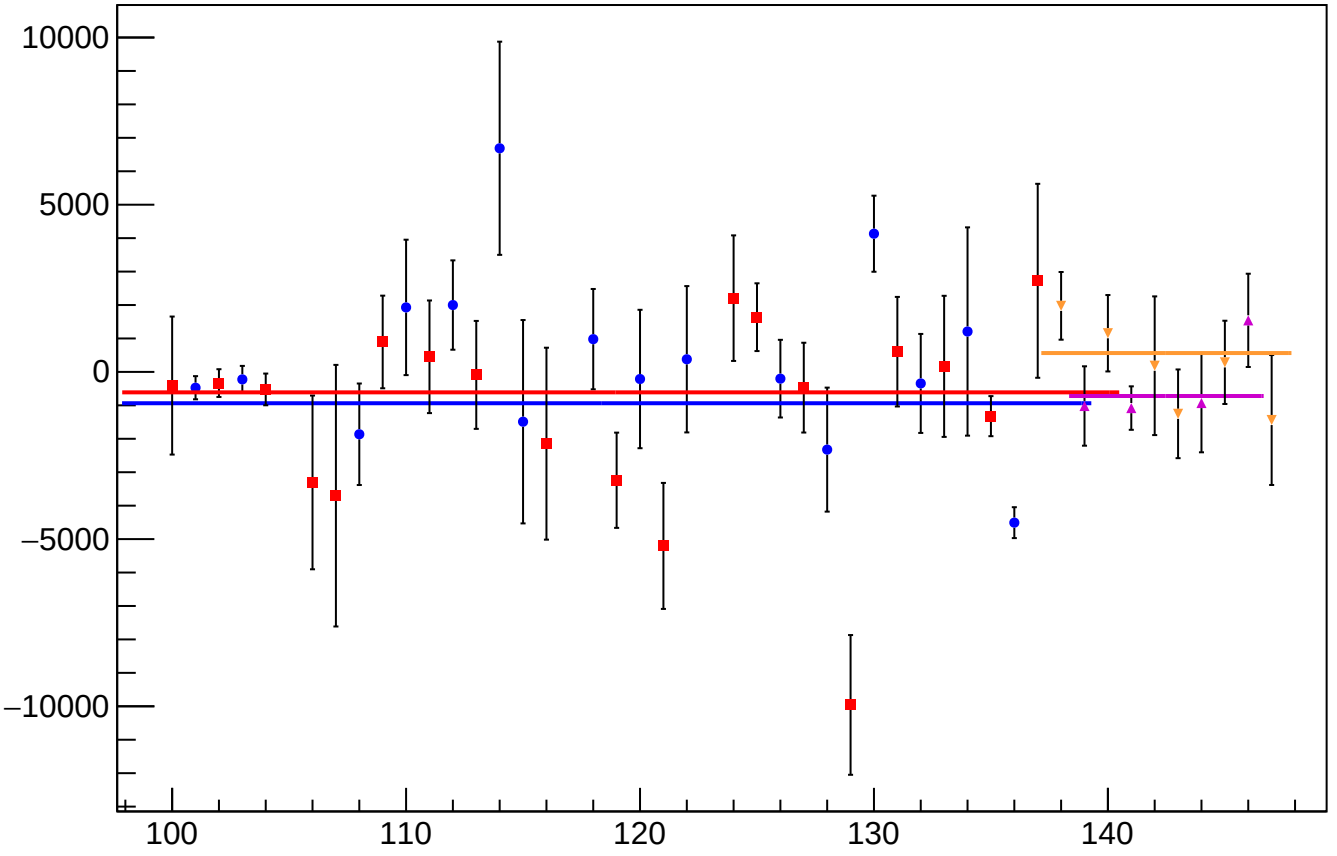
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 308.810+/-0.068 χ^2/NDF:508177.3/19

Out: 308.417+/-0.064 χ^2/NDF:723061.7/24

All: 308.603+/-0.047 χ^2/NDF: 1231256.7/44

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 563.939+/-538.141 χ^2/NDF:5.2/5

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -720.628+/-496.859 χ^2/NDF:3.0/3

Left: -129.499+/-365.055 χ^2/NDF: 11.3/9

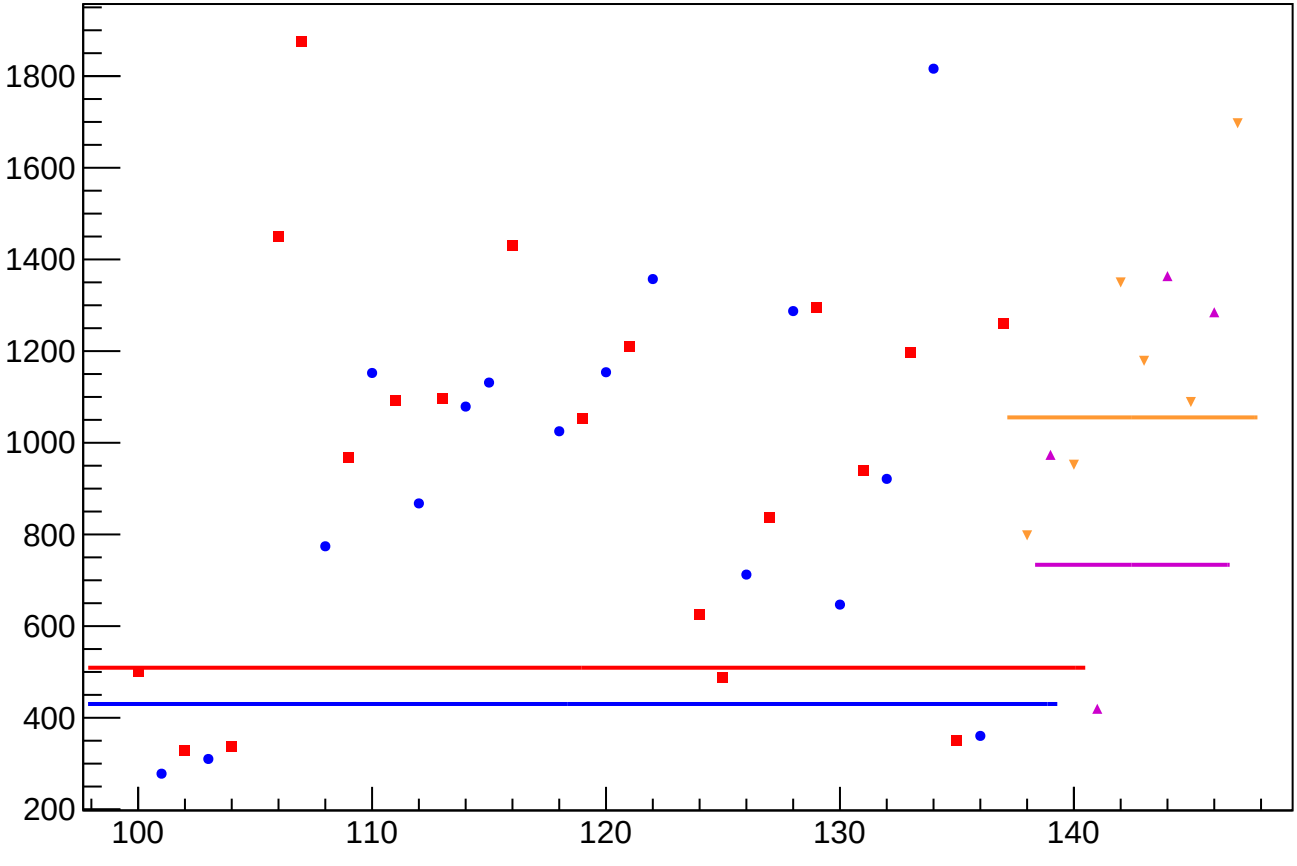
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -905.556+/-189.280 χ^2/NDF:104.4/19

Out: -425.882+/-213.930 χ^2/NDF:53.4/24

All: -694.934+/-141.759 χ^2/NDF: 160.6/44

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1055.383+/-0.381 χ^2/NDF:422897.9/5

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 733.812+/-0.351 χ^2/NDF:1225934.6/3

Left: 881.792+/-0.258 χ^2/NDF: 2034347.8/9

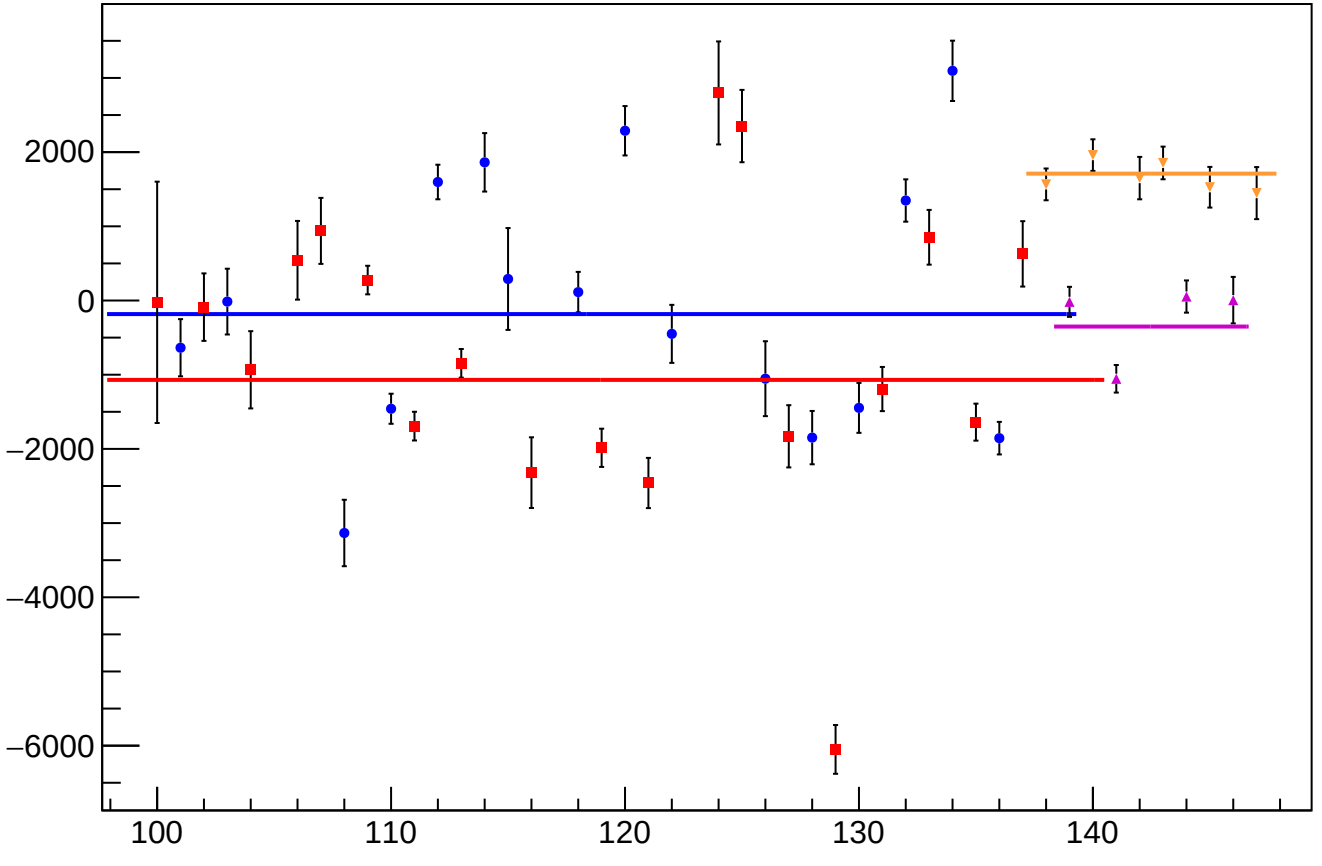
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 474.185+/-0.134 χ^2/NDF:5386591.2/19

Out: 595.546+/-0.151 χ^2/NDF:5830732.7/24

All: 527.474+/-0.100 χ^2/NDF: 11578346.6/44

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1710.249+/-100.935 χ^2/NDF:3.3/5

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: -351.120+/-108.612 χ^2/NDF:21.8/3

Left: 754.987+/-73.937 χ^2/NDF: 218.4/9

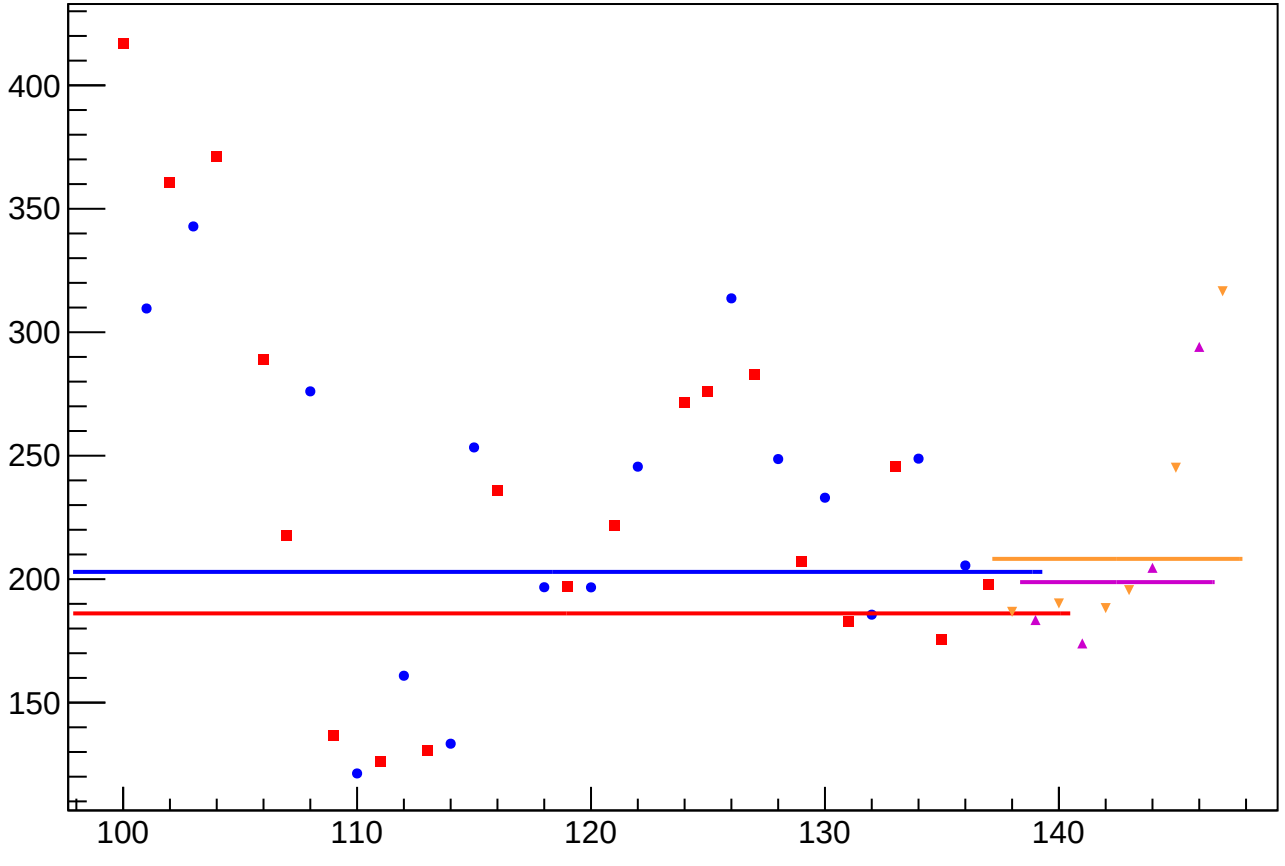
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -242.012+/-64.341 χ^2/NDF:441.1/19

Out: -113.950+/-59.183 χ^2/NDF:993.4/24

All: -172.642+/-43.558 χ^2/NDF: 1436.6/44

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 208.217+/-0.071 χ^2/NDF:277950.7/5

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 198.800+/-0.077 χ^2/NDF:233422.8/3

Left: 203.853+/-0.052 χ^2/NDF: 519441.1/9

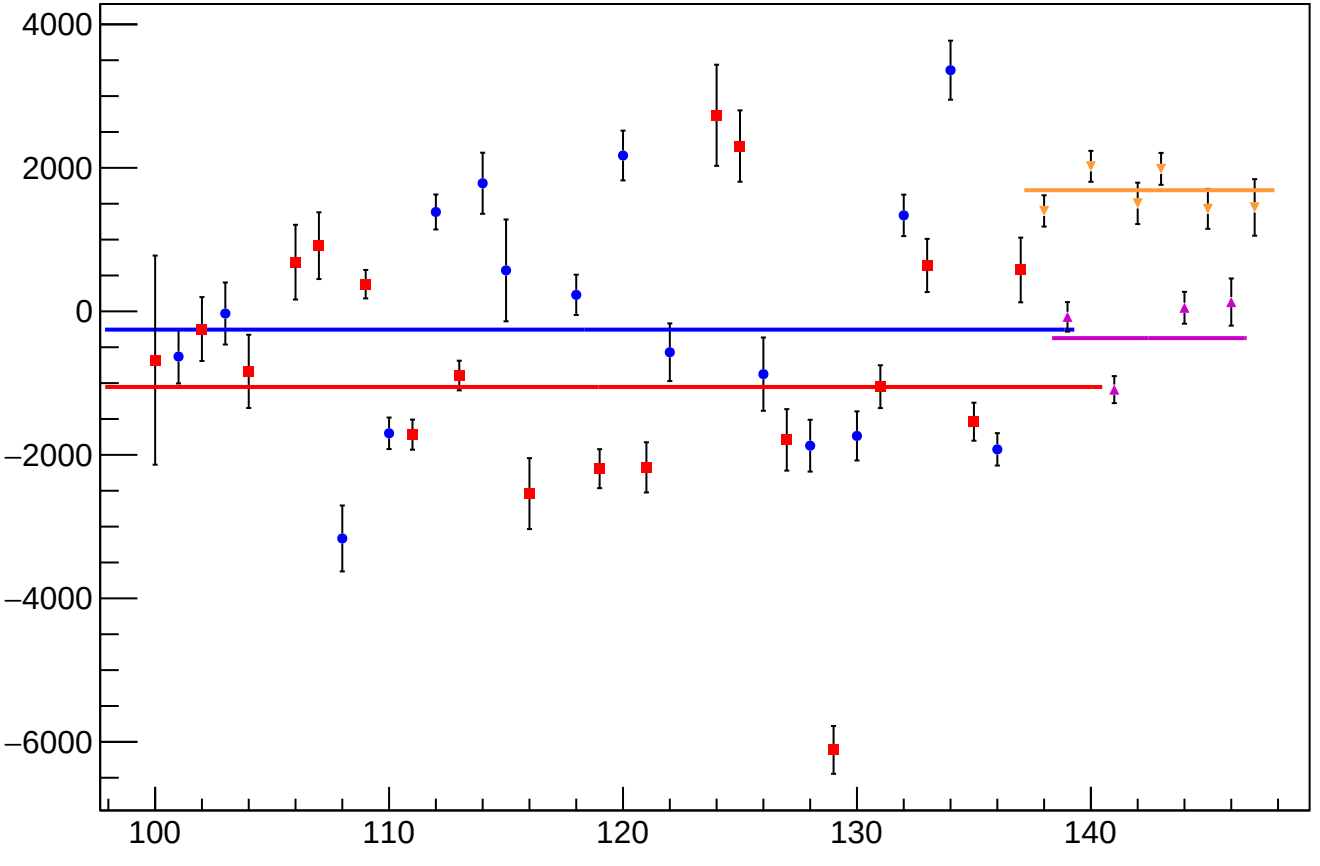
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 201.488+/-0.045 χ^2/NDF:1307169.7/19

Out: 193.723+/-0.042 χ^2/NDF:1822461.3/24

All: 197.282+/-0.031 χ^2/NDF: 3145409.8/44

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1688.181+/-103.093 χ^2/NDF:7.6/5

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -372.902+/-110.791 χ^2/NDF:22.6/3

Left: 731.723+/-75.472 χ^2/NDF: 215.6/9

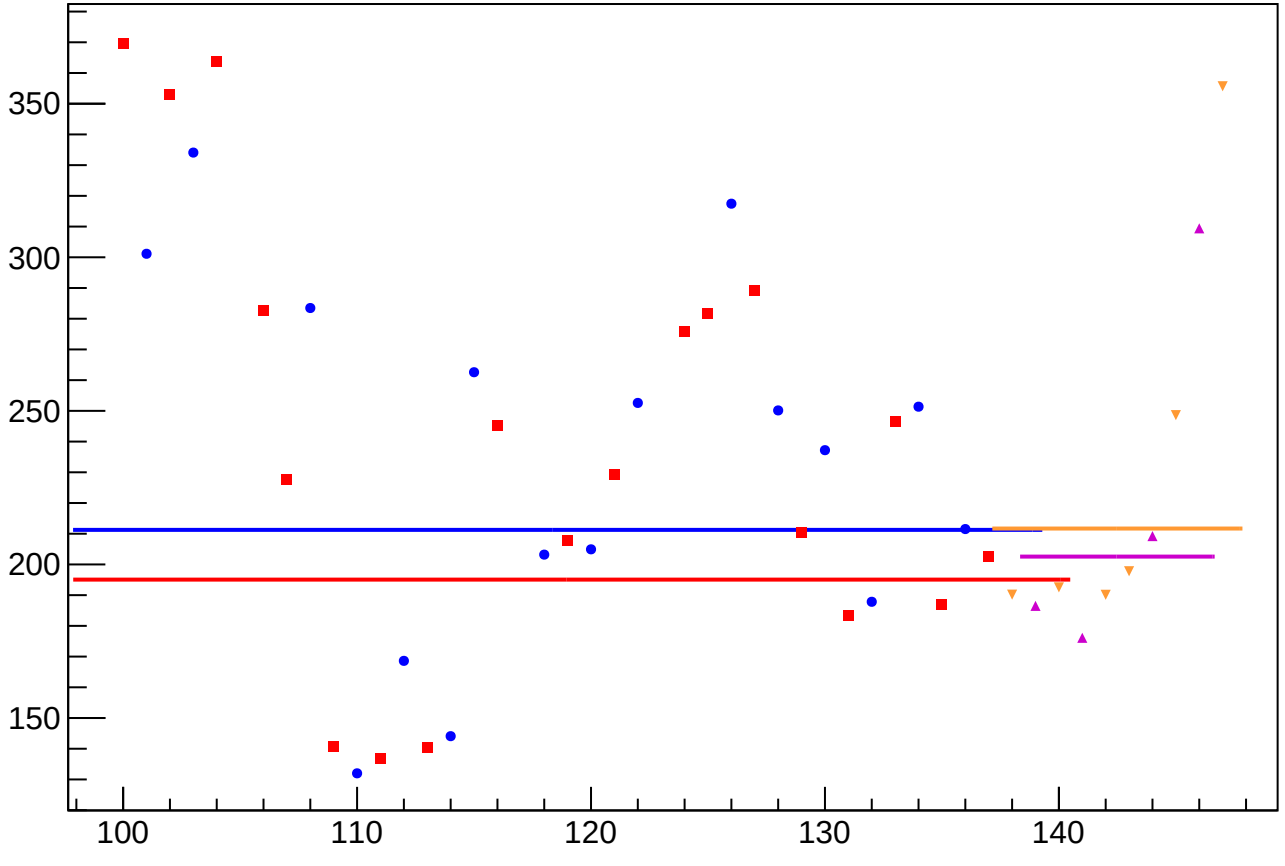
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -296.708+/-66.164 χ^2/NDF:432.6/19

Out: -88.791+/-61.158 χ^2/NDF:943.7/24

All: -184.587+/-44.911 χ^2/NDF: 1381.6/44

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 211.688+/-0.073 χ^2/NDF:356327.8/5

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 202.554+/-0.078 χ^2/NDF:265108.4/3

Left: 207.449+/-0.053 χ^2/NDF: 628721.0/9

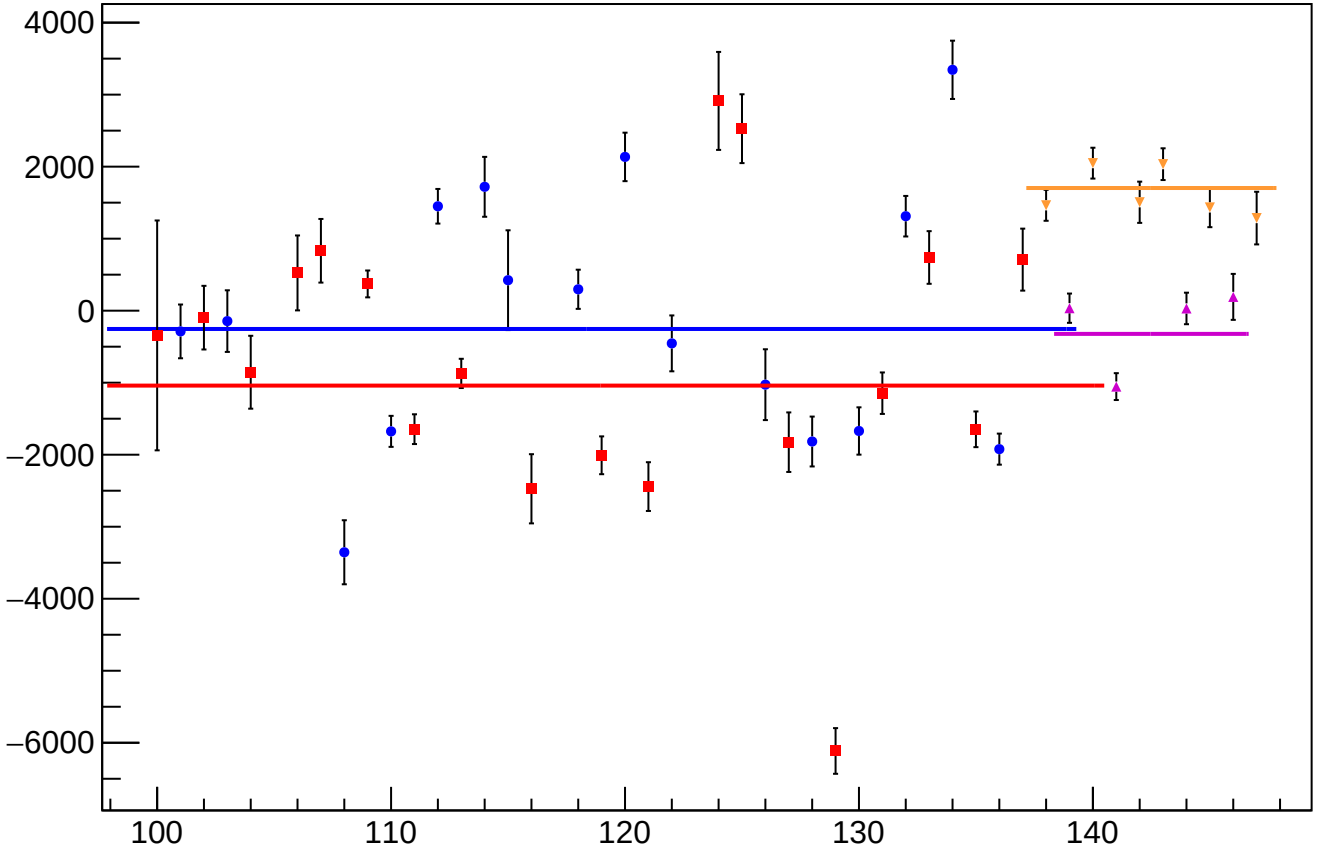
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 208.151+/-0.047 χ^2/NDF:1157405.0/19

Out: 200.912+/-0.043 χ^2/NDF:1674921.5/24

All: 204.247+/-0.032 χ^2/NDF: 2845235.2/44

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1703.389+/-101.508 χ^2/NDF:8.9/5

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: -322.328+/-109.349 χ^2/NDF:23.7/3

Left: 765.753+/-74.395 χ^2/NDF: 216.9/9

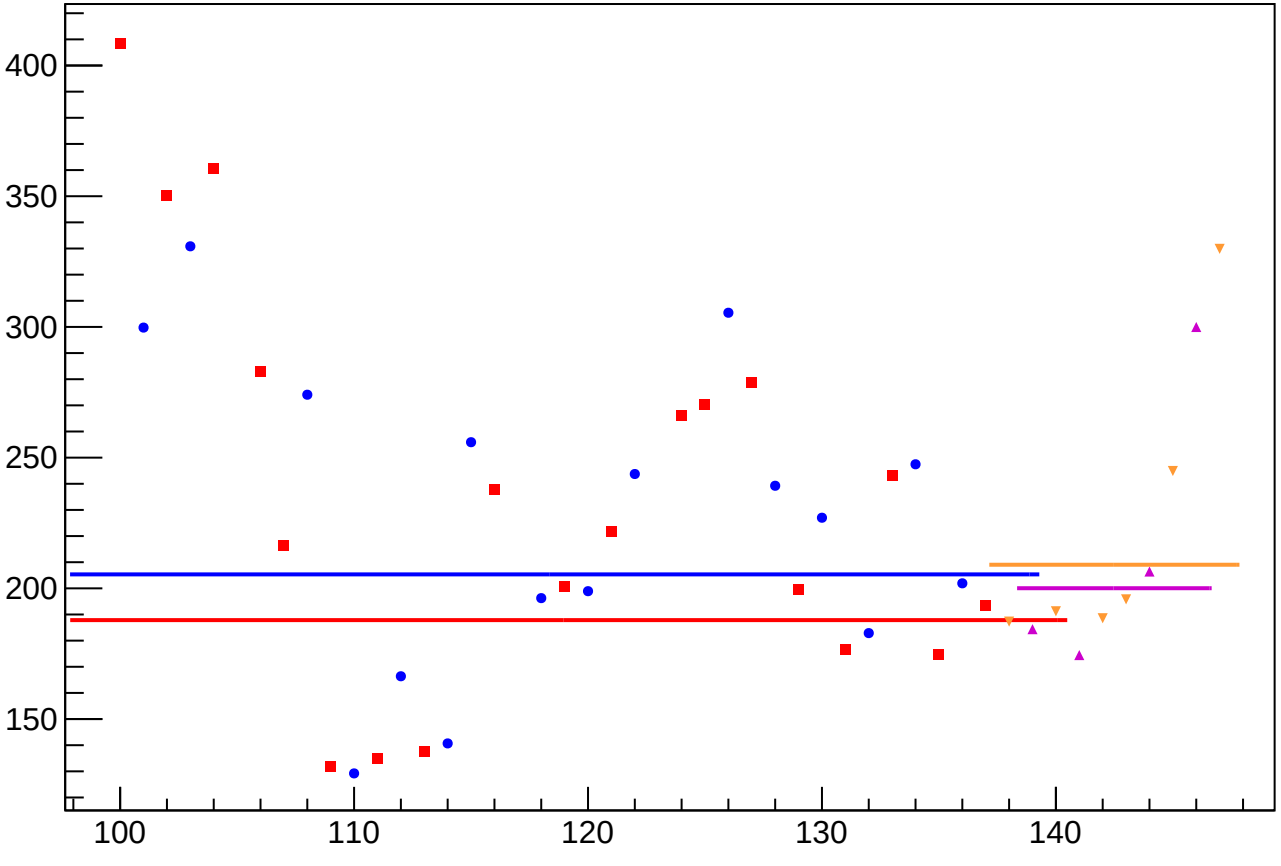
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -277.937+/-64.682 χ^2/NDF:456.0/19

Out: -98.941+/-59.460 χ^2/NDF:1022.2/24

All: -180.921+/-43.774 χ^2/NDF: 1482.3/44

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 209.032+/-0.072 χ^2/NDF:304552.6/5

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 200.050+/-0.077 χ^2/NDF:247289.9/3

Left: 204.874+/-0.053 χ^2/NDF: 559090.7/9

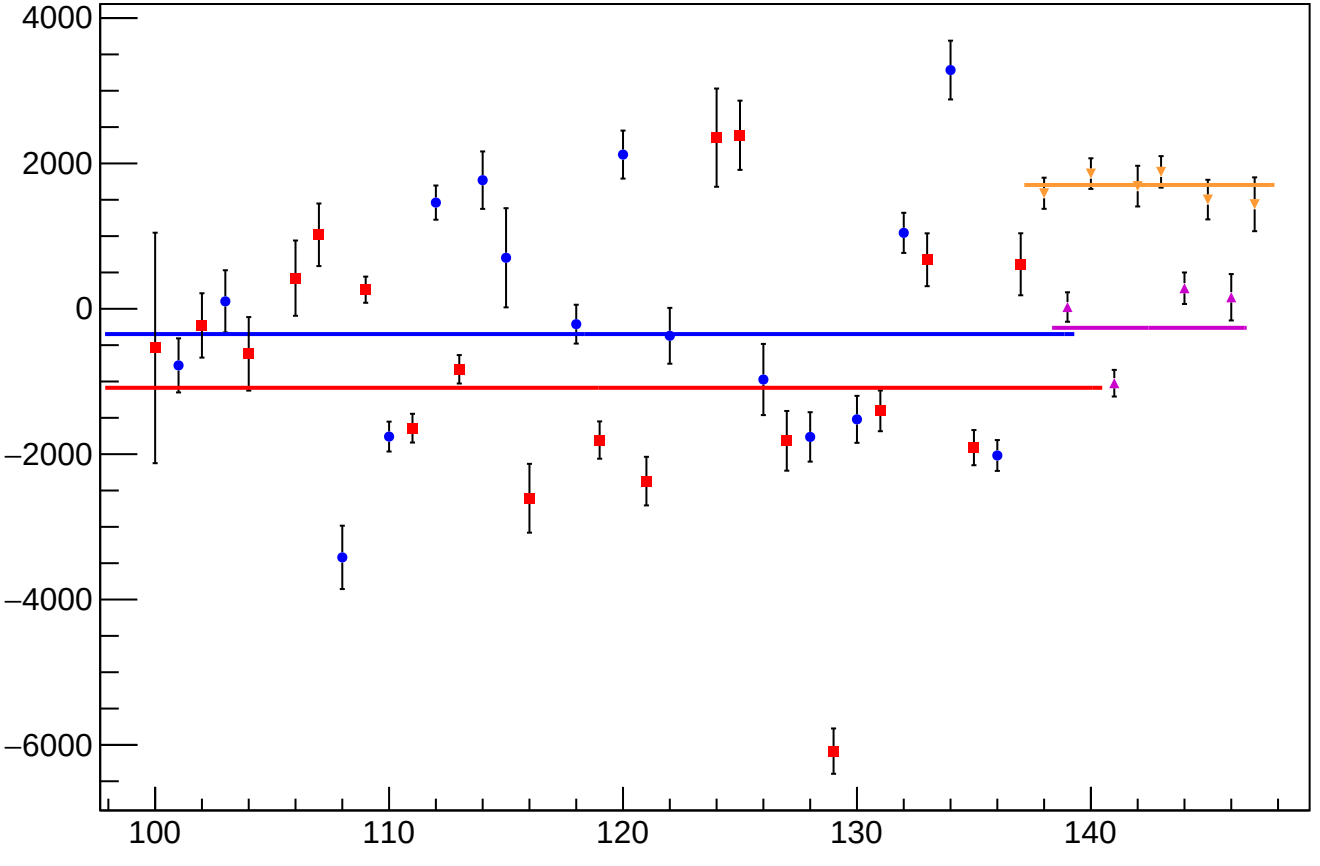
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 203.490+/-0.046 χ^2/NDF:1127733.2/19

Out: 195.117+/-0.042 χ^2/NDF:1698816.6/24

All: 198.952+/-0.031 χ^2/NDF: 2844714.5/44

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1703.963+/-100.409 χ^2/NDF:2.6/5

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: -261.624+/-108.319 χ^2/NDF:27.3/3

Left: 795.548+/-73.638 χ^2/NDF: 207.0/9

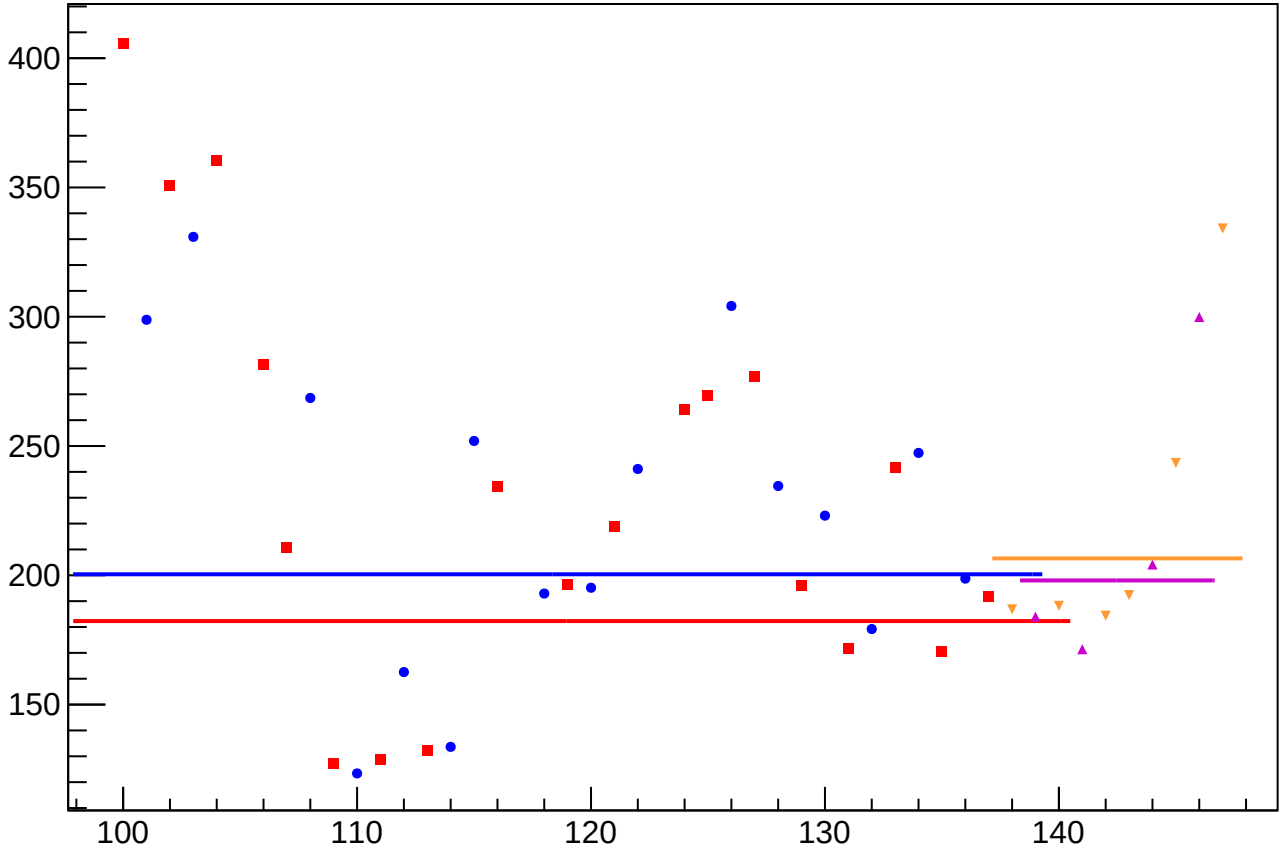
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -318.004+/-63.599 χ^2/NDF:473.5/19

Out: -147.035+/-58.263 χ^2/NDF:1042.1/24

All: -225.049+/-42.961 χ^2/NDF: 1519.6/44

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 206.541+/-0.071 χ^2/NDF:327545.3/5

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 198.015+/-0.077 χ^2/NDF:257364.3/3

Left: 202.601+/-0.052 χ^2/NDF: 591572.9/9

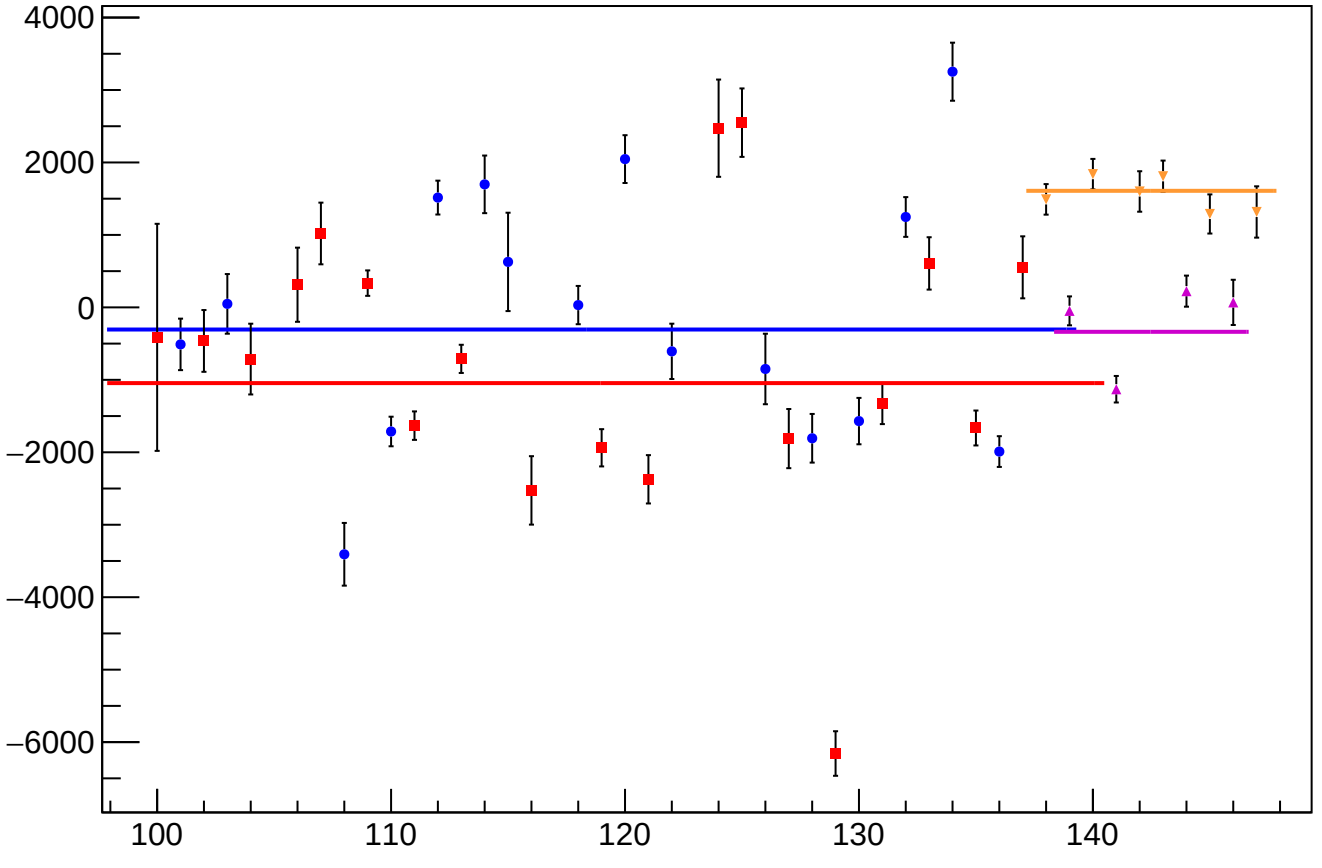
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 199.577+/-0.045 χ^2/NDF:1216999.5/19

Out: 190.463+/-0.041 χ^2/NDF:1852050.7/24

All: 194.622+/-0.030 χ^2/NDF: 3091382.2/44

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1608.610+/-99.542 χ^2/NDF:4.4/5

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: -337.320+/-107.252 χ^2/NDF:29.4/3

Left: 708.100+/-72.960 χ^2/NDF: 210.7/9

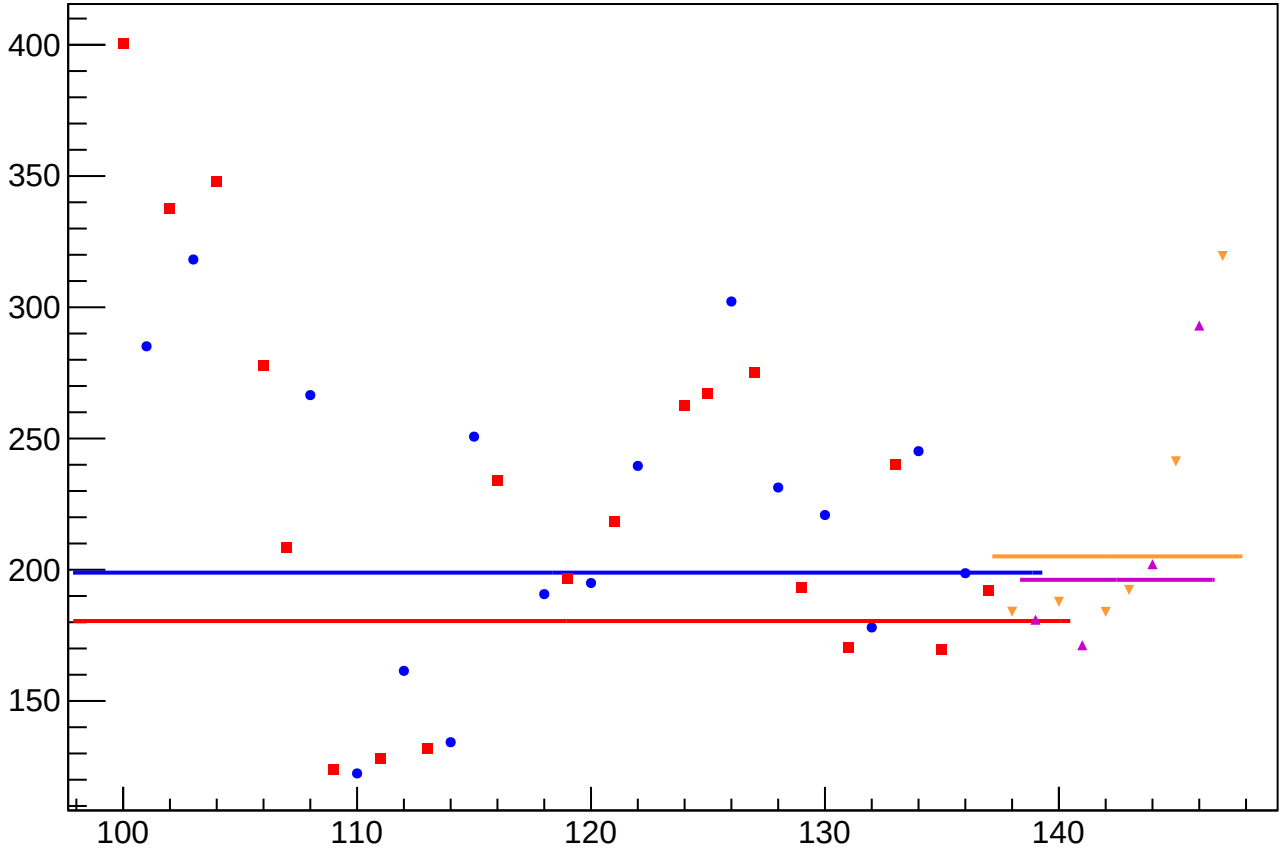
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -316.581+/-63.012 χ^2/NDF:481.2/19

Out: -153.247+/-57.708 χ^2/NDF:1028.5/24

All: -227.750+/-42.557 χ^2/NDF: 1513.4/44

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 205.086+/-0.070 χ^2/NDF:296691.5/5

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 196.170+/-0.076 χ^2/NDF:243003.7/3

Left: 200.960+/-0.052 χ^2/NDF: 547121.7/9

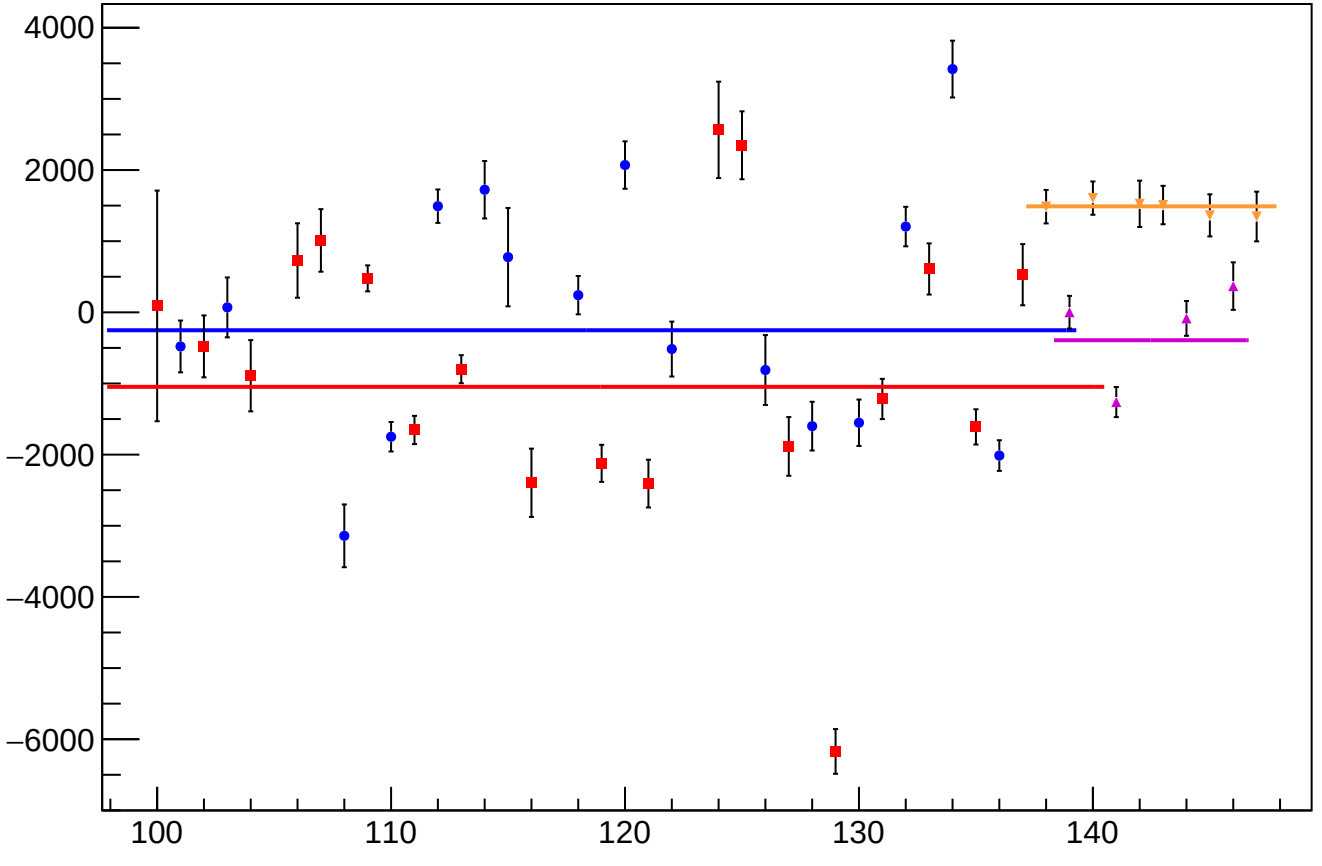
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 197.959+/-0.045 χ^2/NDF:1156619.0/19

Out: 188.745+/-0.041 χ^2/NDF:1812313.2/24

All: 192.948+/-0.030 χ^2/NDF: 2992190.6/44

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1489.719+/-112.505 χ^2/NDF:0.6/5

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: -392.099+/-122.262 χ^2/NDF:26.6/3

Left: 626.889+/-82.788 χ^2/NDF: 155.5/9

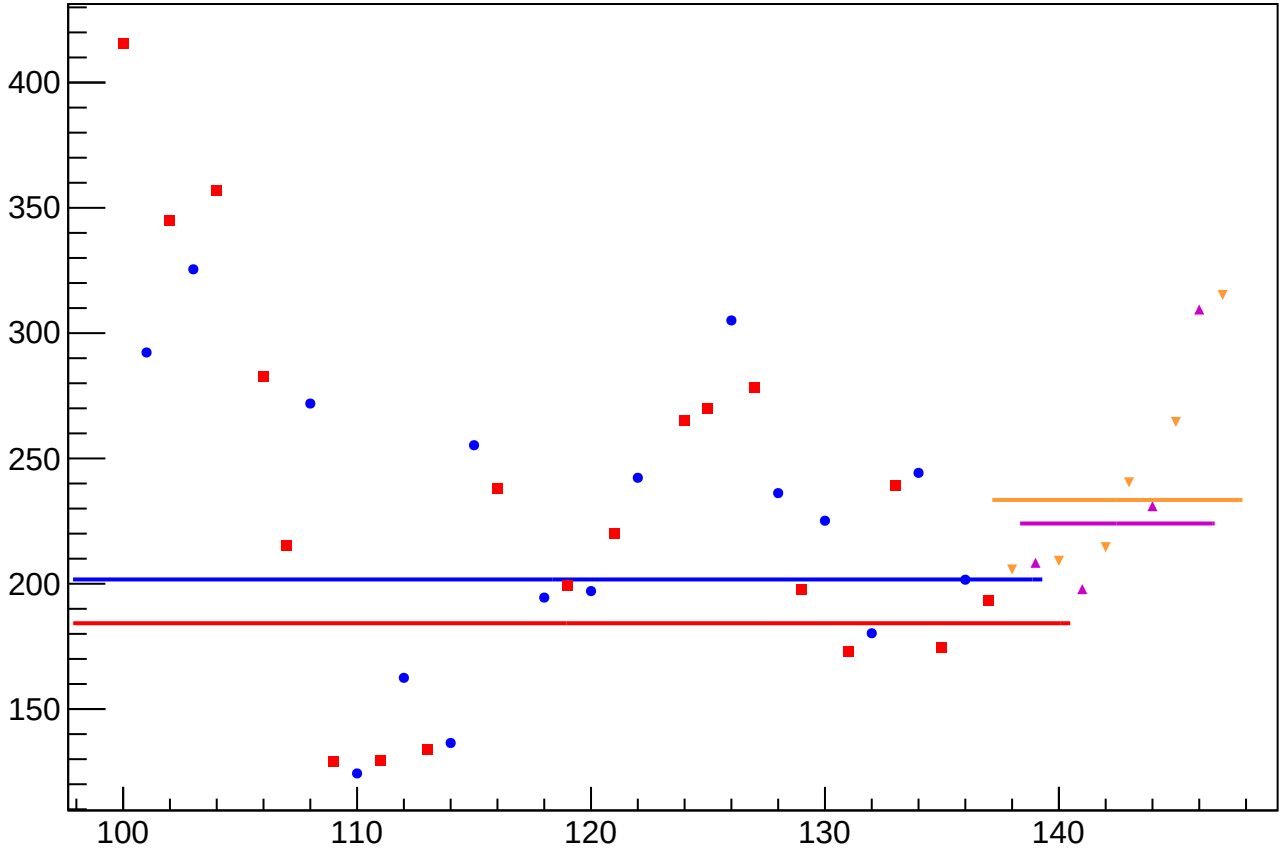
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -293.101+/-66.338 χ^2/NDF:468.7/19

Out: -307.260+/-60.758 χ^2/NDF:907.5/24

All: -300.801+/-44.805 χ^2/NDF: 1376.3/44

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 233.439+/-0.080 χ^2/NDF:189047.5/5

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 224.044+/-0.086 χ^2/NDF:172277.1/3

Left: 229.132+/-0.059 χ^2/NDF: 367719.4/9

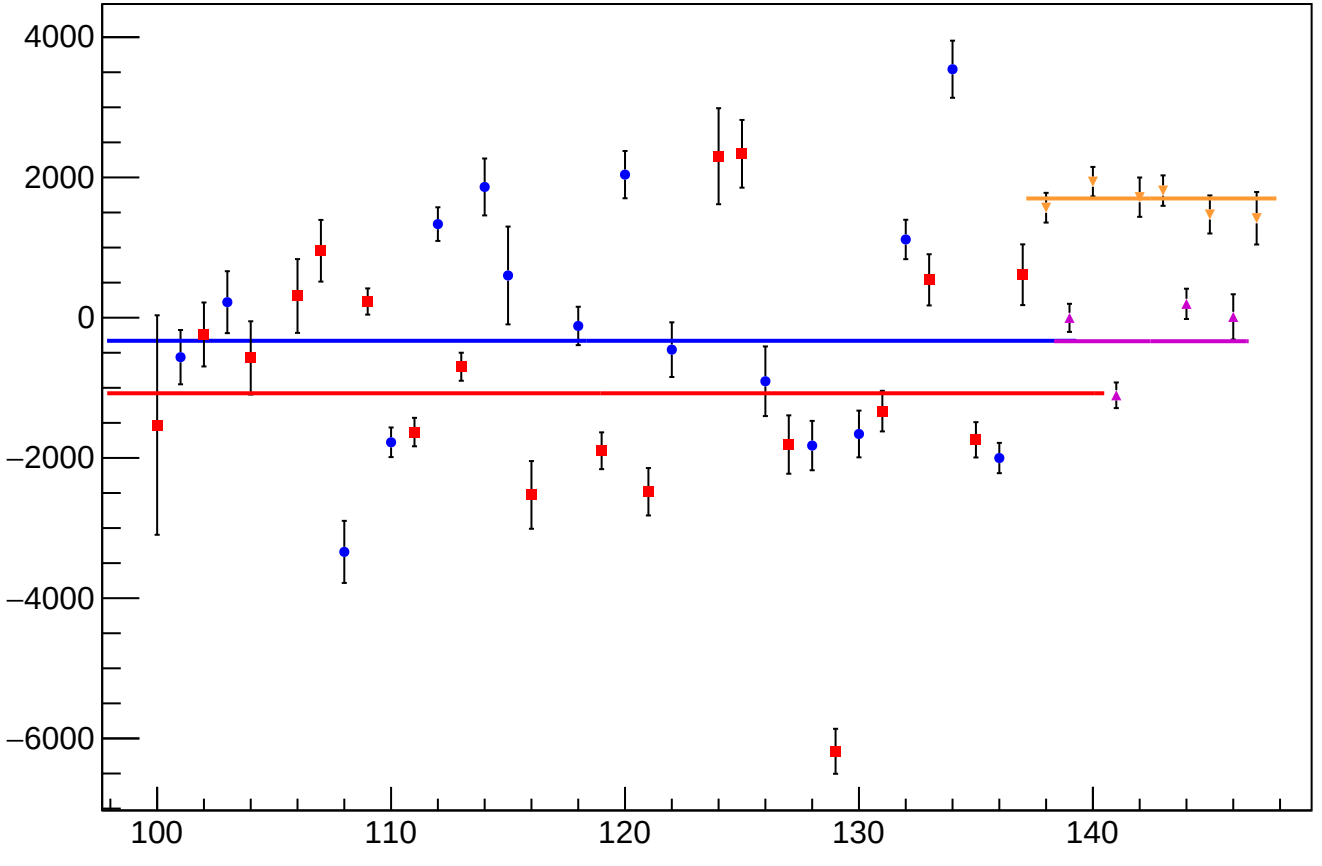
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 208.288+/-0.047 χ^2/NDF:1143564.4/19

Out: 198.592+/-0.043 χ^2/NDF:1863696.6/24

All: 203.015+/-0.032 χ^2/NDF: 3030496.5/44

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1700.032+/-100.230 χ^2/NDF:3.2/5

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: -335.546+/-107.904 χ^2/NDF:27.8/3

Left: 757.192+/-73.436 χ^2/NDF: 222.1/9

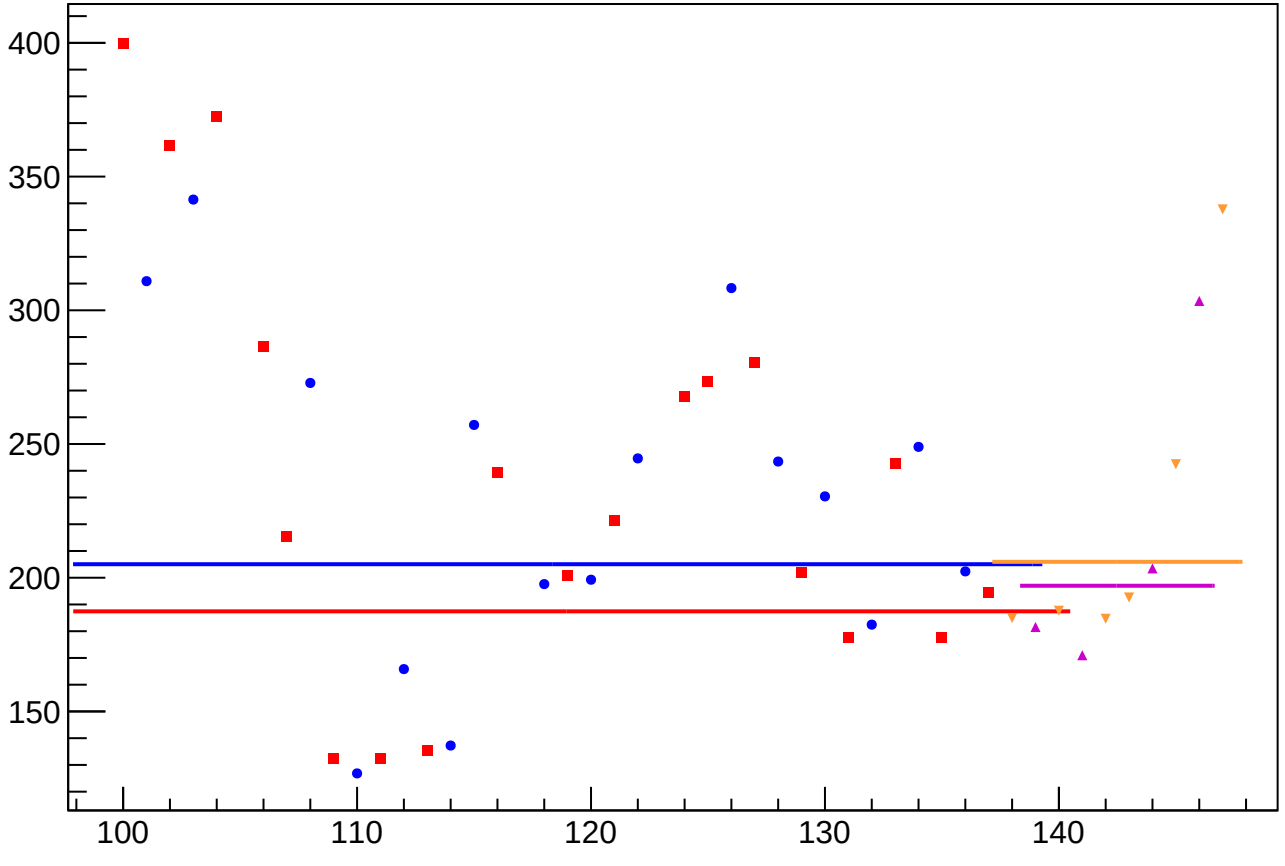
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -331.578+/-64.454 χ^2/NDF:464.2/19

Out: -108.090+/-59.221 χ^2/NDF:1005.2/24

All: -210.395+/-43.609 χ^2/NDF: 1475.9/44

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 205.945+/-0.071 χ^2/NDF:337986.4/5

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 197.004+/-0.076 χ^2/NDF:271752.6/3

Left: 201.804+/-0.052 χ^2/NDF: 617112.0/9

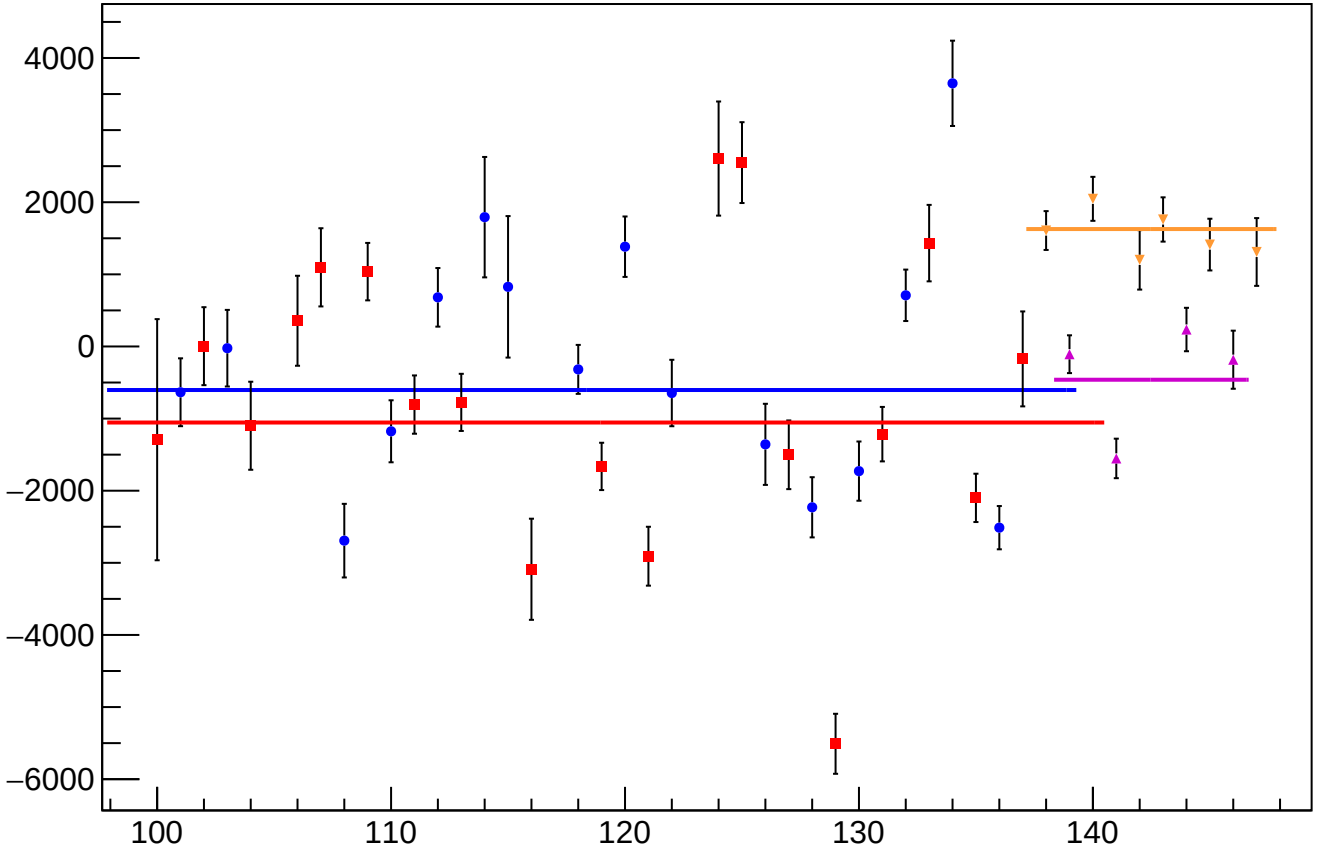
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 202.181+/-0.046 χ^2/NDF:1241963.2/19

Out: 193.895+/-0.042 χ^2/NDF:1793205.8/24

All: 197.688+/-0.031 χ^2/NDF: 3053092.7/44

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1628.053+/-136.912 χ^2/NDF:4.0/5

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -461.280+/-148.939 χ^2/NDF:23.5/3

Left: 671.132+/-100.796 χ^2/NDF: 134.1/9

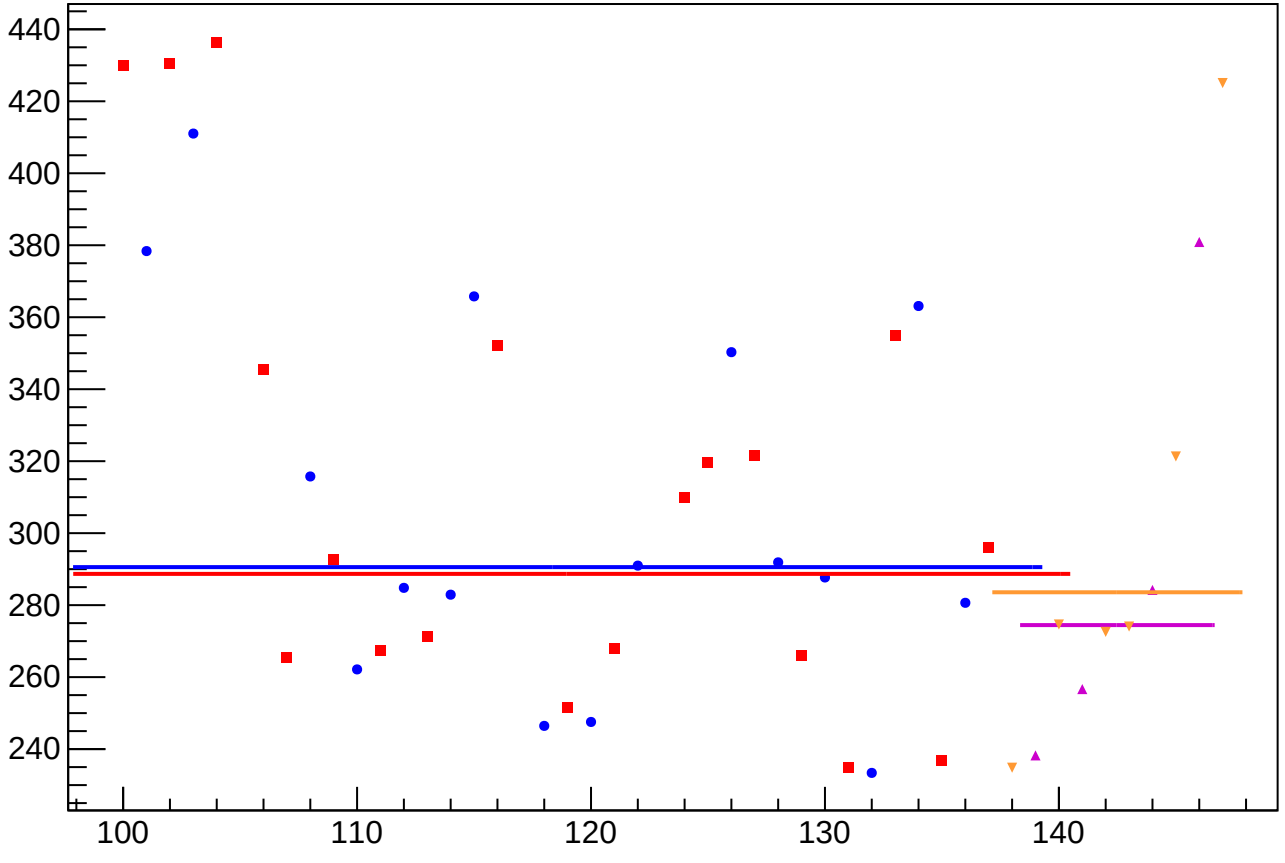
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -553.124+/-88.843 χ^2/NDF:217.7/19

Out: -22.492+/-84.922 χ^2/NDF:537.9/24

All: -275.839+/-61.388 χ^2/NDF: 774.1/44

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 283.575+/-0.097 χ^2/NDF:274109.9/5

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 274.458+/-0.105 χ^2/NDF:188395.1/3

Left: 279.399+/-0.071 χ^2/NDF: 466567.2/9

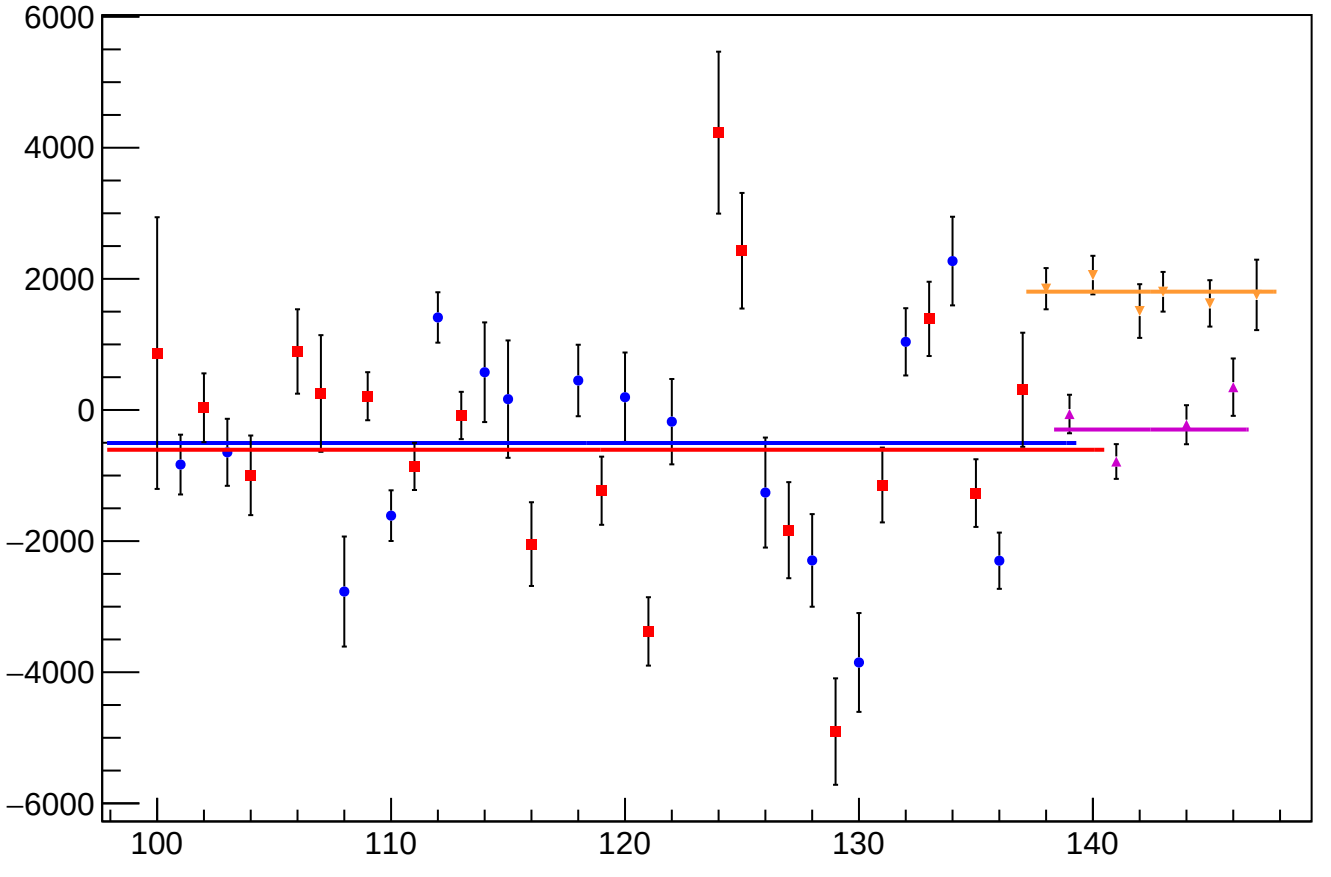
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 284.835+/-0.063 χ^2/NDF:563272.8/19

Out: 286.720+/-0.060 χ^2/NDF:764919.3/24

All: 285.820+/-0.043 χ^2/NDF: 1328662.7/44

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1804.715+/-141.404 χ^2/NDF:1.5/5

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -298.228+/-153.720 χ^2/NDF:6.3/3

Left: 840.851+/-104.070 χ^2/NDF: 109.2/9

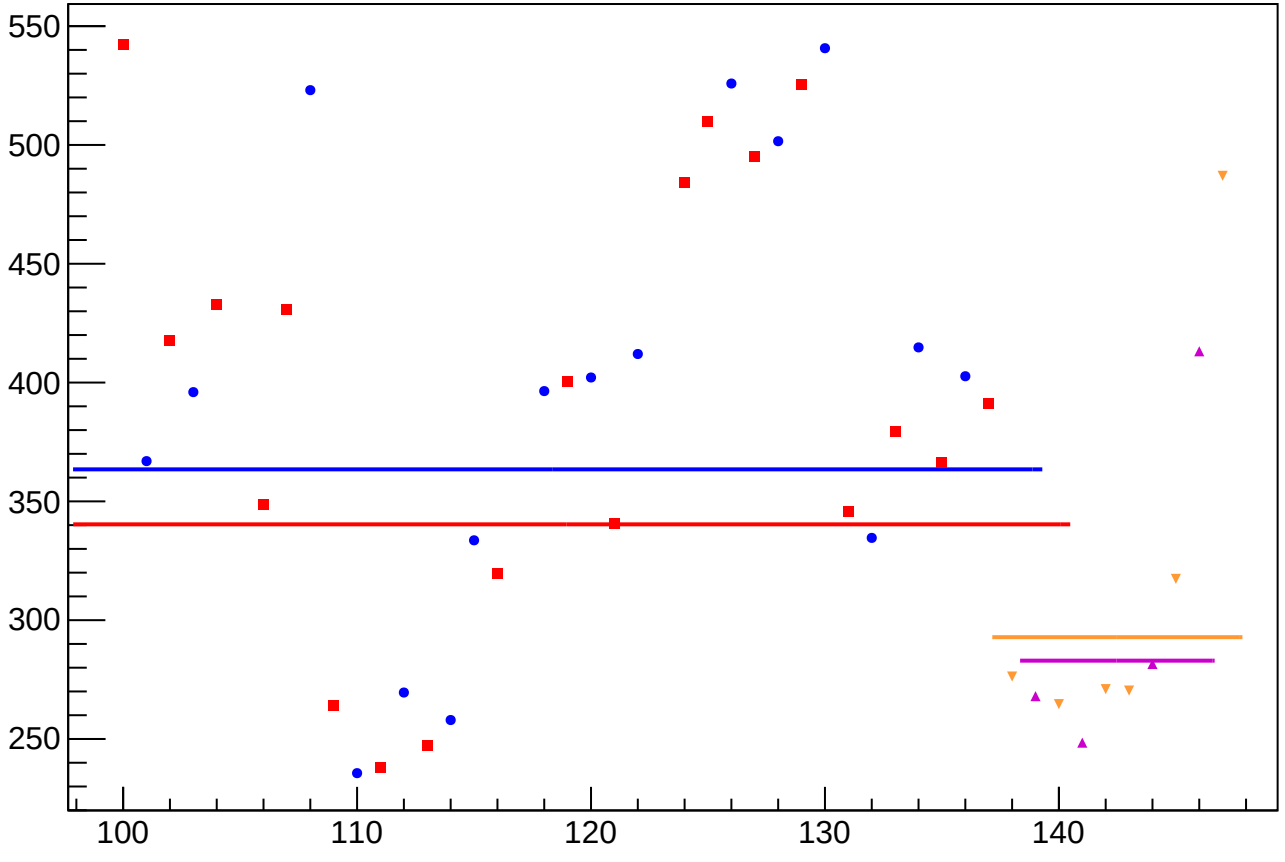
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -410.485+/-103.530 χ^2/NDF:125.5/19

Out: 494.158+/-95.545 χ^2/NDF:284.8/24

All: 78.060+/-70.214 χ^2/NDF: 451.5/44

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 292.842+/-0.100 χ^2/NDF:311596.2/5

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 282.964+/-0.109 χ^2/NDF:216176.4/3

Left: 288.314+/-0.074 χ^2/NDF: 532246.0/9

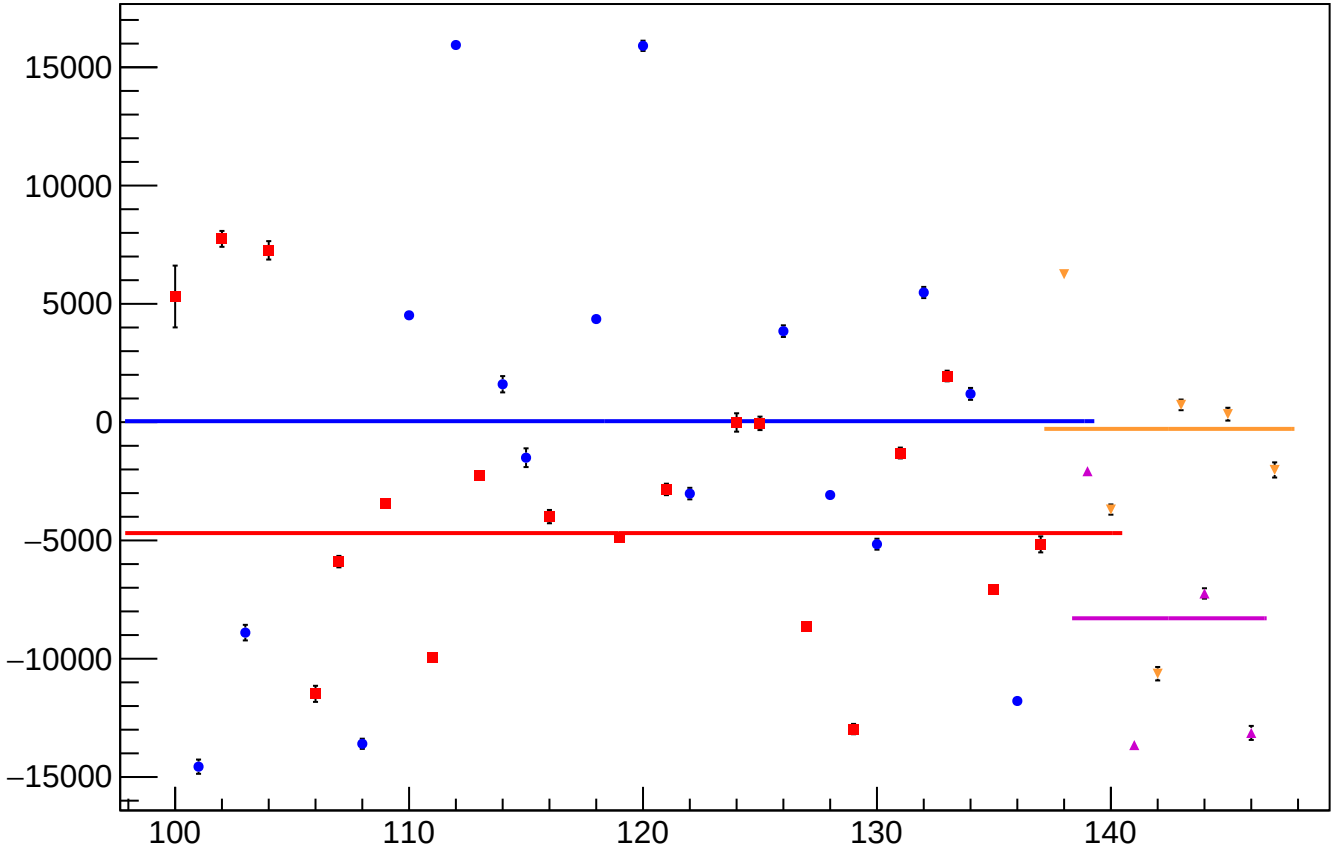
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 326.953+/-0.073 χ^2/NDF:1296817.9/19

Out: 318.650+/-0.068 χ^2/NDF:1290421.3/24

All: 322.469+/-0.050 χ^2/NDF: 2594186.8/44

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -284.663+/-97.341 χ^2/NDF:2859.9/5

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8290.564+/-107.557 χ^2/NDF:2126.6/3

Left: -3889.451+/-72.173 χ^2/NDF: 8032.2/9

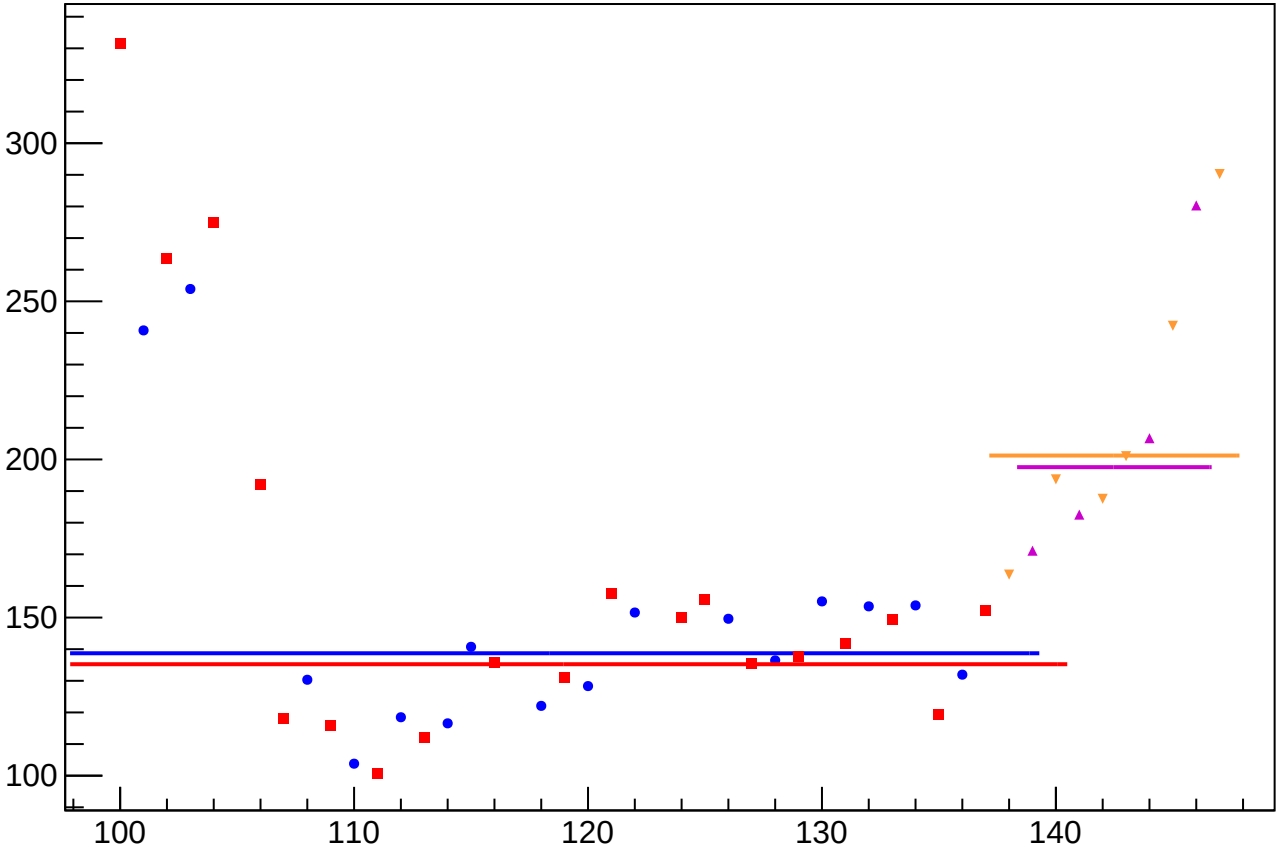
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -1646.224+/-48.401 χ^2/NDF:37698.0/19

Out: -3708.942+/-45.931 χ^2/NDF:12247.5/24

All: -2731.555+/-33.317 χ^2/NDF: 50901.2/44

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 201.238+/-0.069 χ^2/NDF:288851.0/5

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 197.562+/-0.076 χ^2/NDF:210445.2/3

Left: 199.583+/-0.051 χ^2/NDF: 500580.8/9

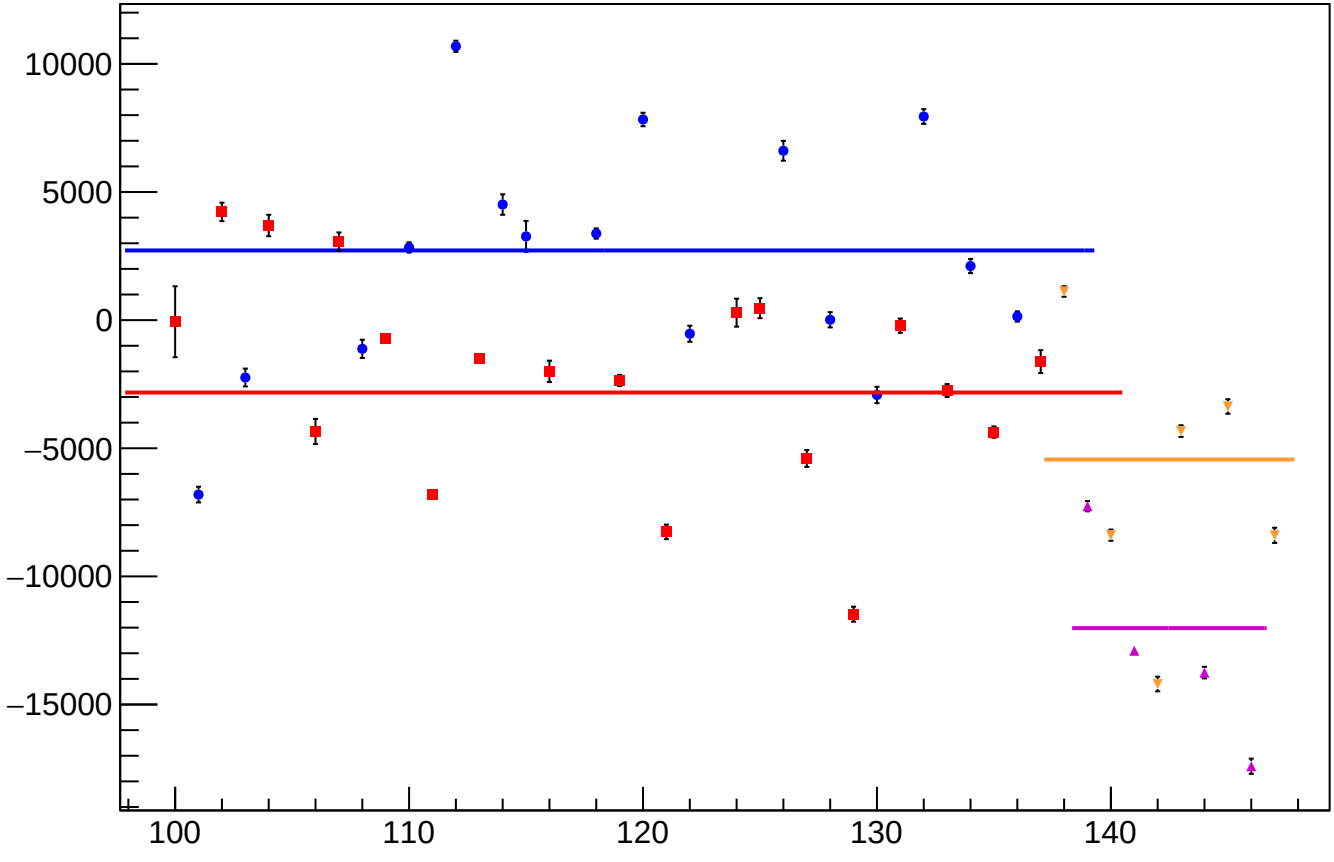
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 150.629+/-0.034 χ^2/NDF:1345735.0/19

Out: 149.938+/-0.032 χ^2/NDF:1893454.8/24

All: 150.266+/-0.024 χ^2/NDF: 3239404.2/44

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -5439.501+/-99.958 χ^2/NDF:2318.1/5

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12020.892+/-109.141 χ^2/NDF:981.0/3

Left: -8441.708+/-73.714 χ^2/NDF: 5276.6/9

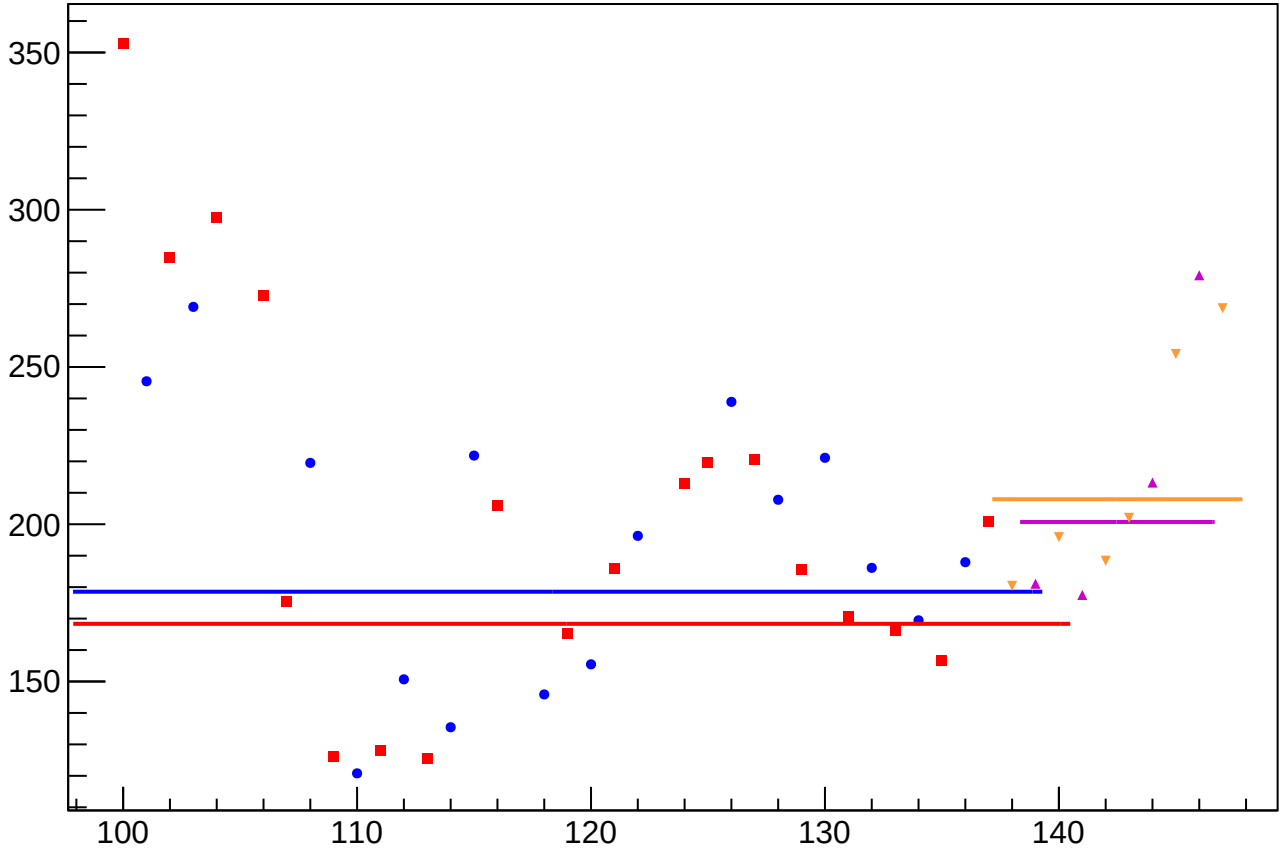
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -1510.941+/-58.471 χ^2/NDF:18116.3/19

Out: -3598.553+/-54.404 χ^2/NDF:5862.8/24

All: -2629.876+/-39.829 χ^2/NDF: 24662.3/44

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 207.953+/-0.071 χ^2/NDF:189146.2/5

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 200.724+/-0.077 χ^2/NDF:195687.4/3

Left: 204.655+/-0.052 χ^2/NDF: 389605.8/9

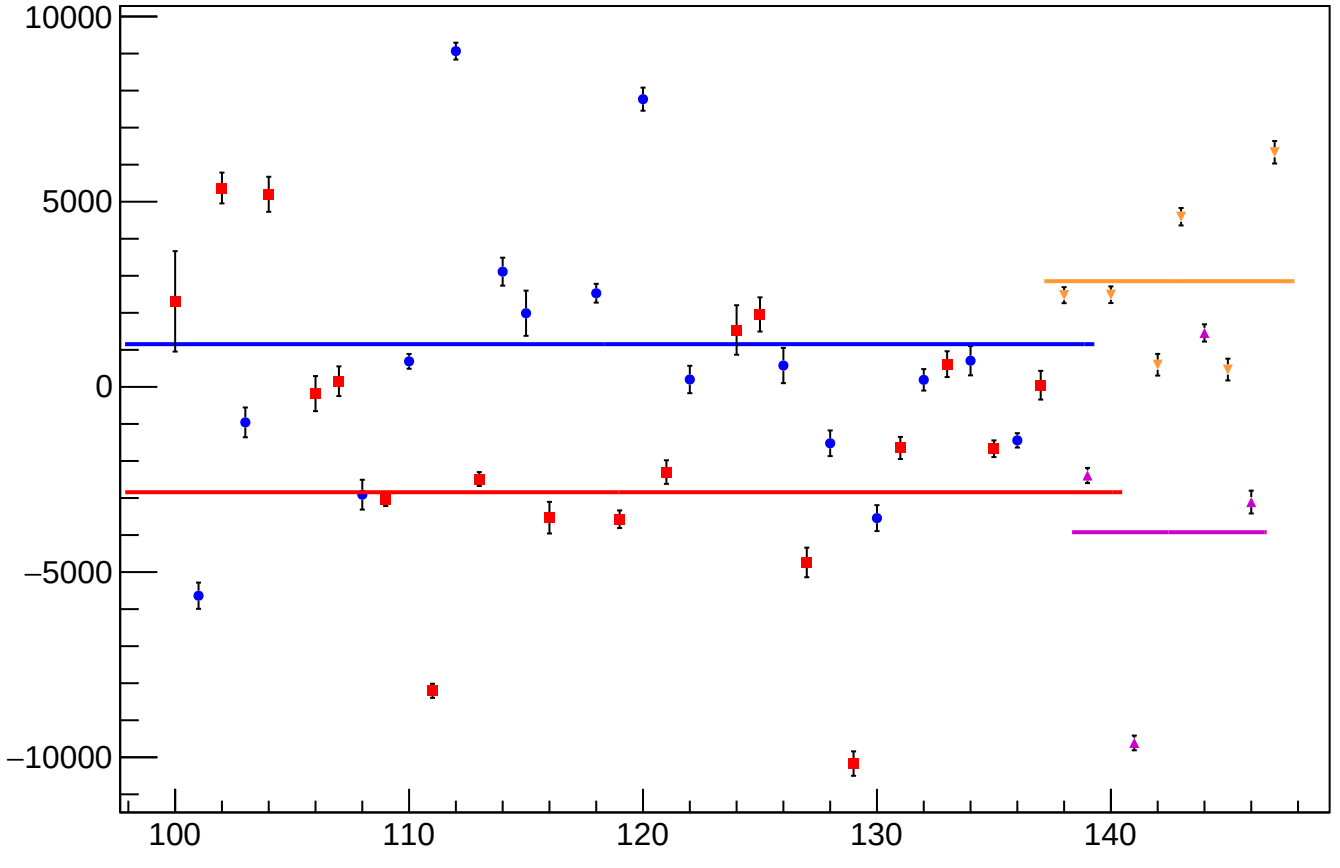
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 184.908+/-0.041 χ^2/NDF:929161.0/19

Out: 180.071+/-0.038 χ^2/NDF:1389753.6/24

All: 182.315+/-0.028 χ^2/NDF: 2326250.8/44

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2853.913+/-103.504 χ^2/NDF:317.2/5

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -3923.686+/-113.245 χ^2/NDF:1415.5/3

Left: -230.888+/-76.401 χ^2/NDF: 3684.2/9

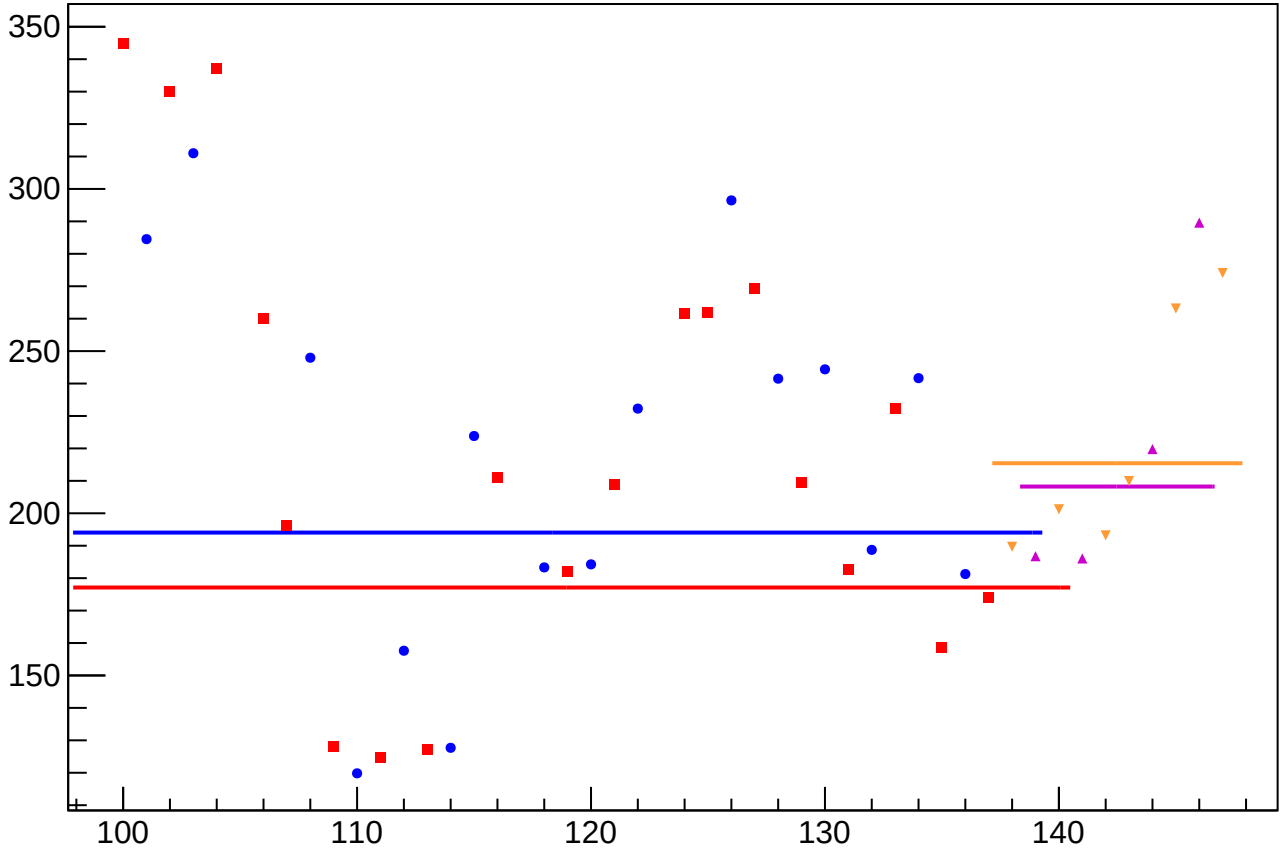
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -421.653+/-63.081 χ^2/NDF:5457.3/19

Out: -1085.925+/-57.492 χ^2/NDF:4865.7/24

All: -784.516+/-42.492 χ^2/NDF: 10383.7/44

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.430+/-0.073 χ^2/NDF:176419.6/5

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 208.245+/-0.080 χ^2/NDF:191187.6/3

Left: 212.160+/-0.054 χ^2/NDF: 371993.5/9

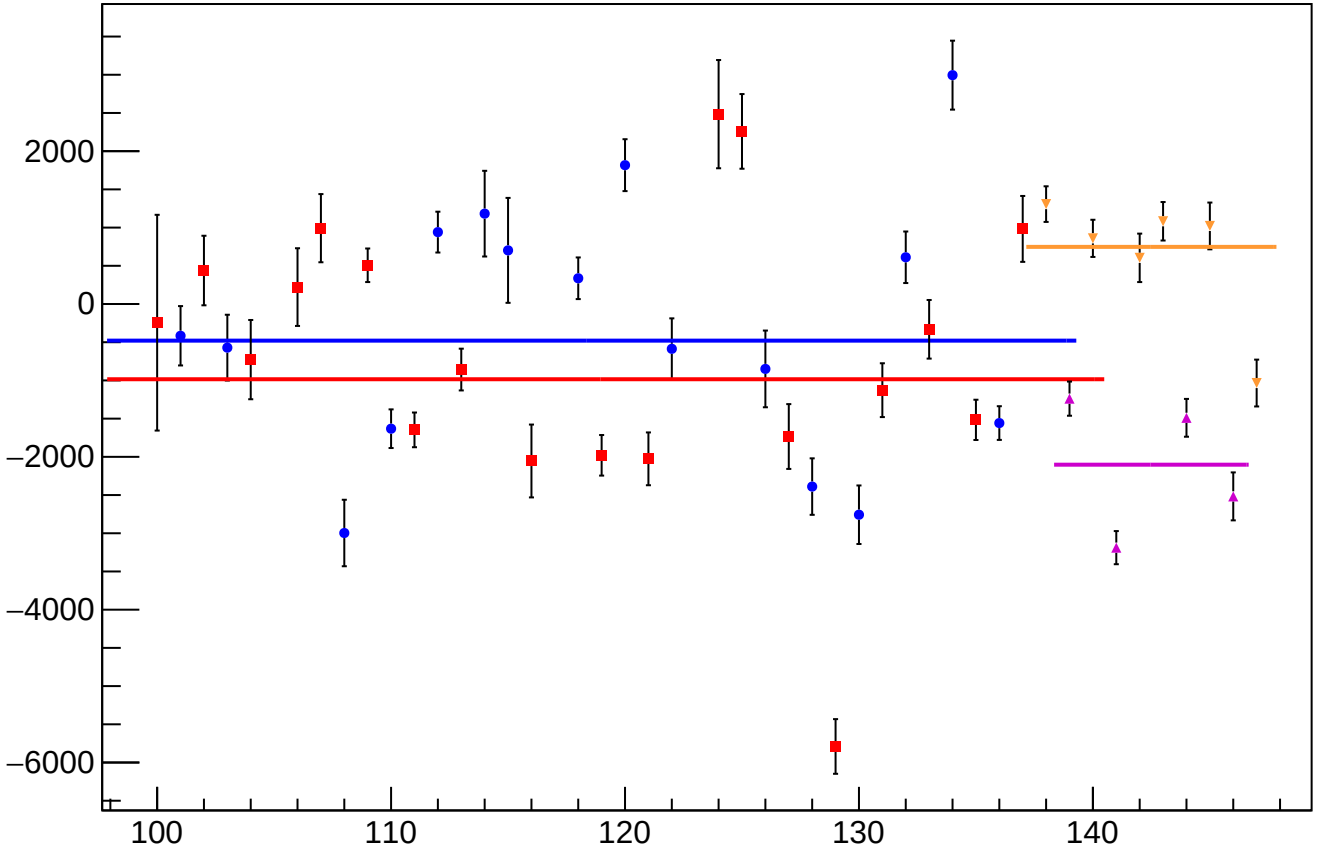
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 198.457+/-0.045 χ^2/NDF:1178638.6/19

Out: 188.937+/-0.041 χ^2/NDF:1725271.6/24

All: 193.256+/-0.030 χ^2/NDF: 2928793.1/44

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 747.608+/-110.203 χ^2/NDF:42.5/5

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2102.702+/-121.497 χ^2/NDF:47.9/3

Left: -538.938+/-81.627 χ^2/NDF: 392.4/9

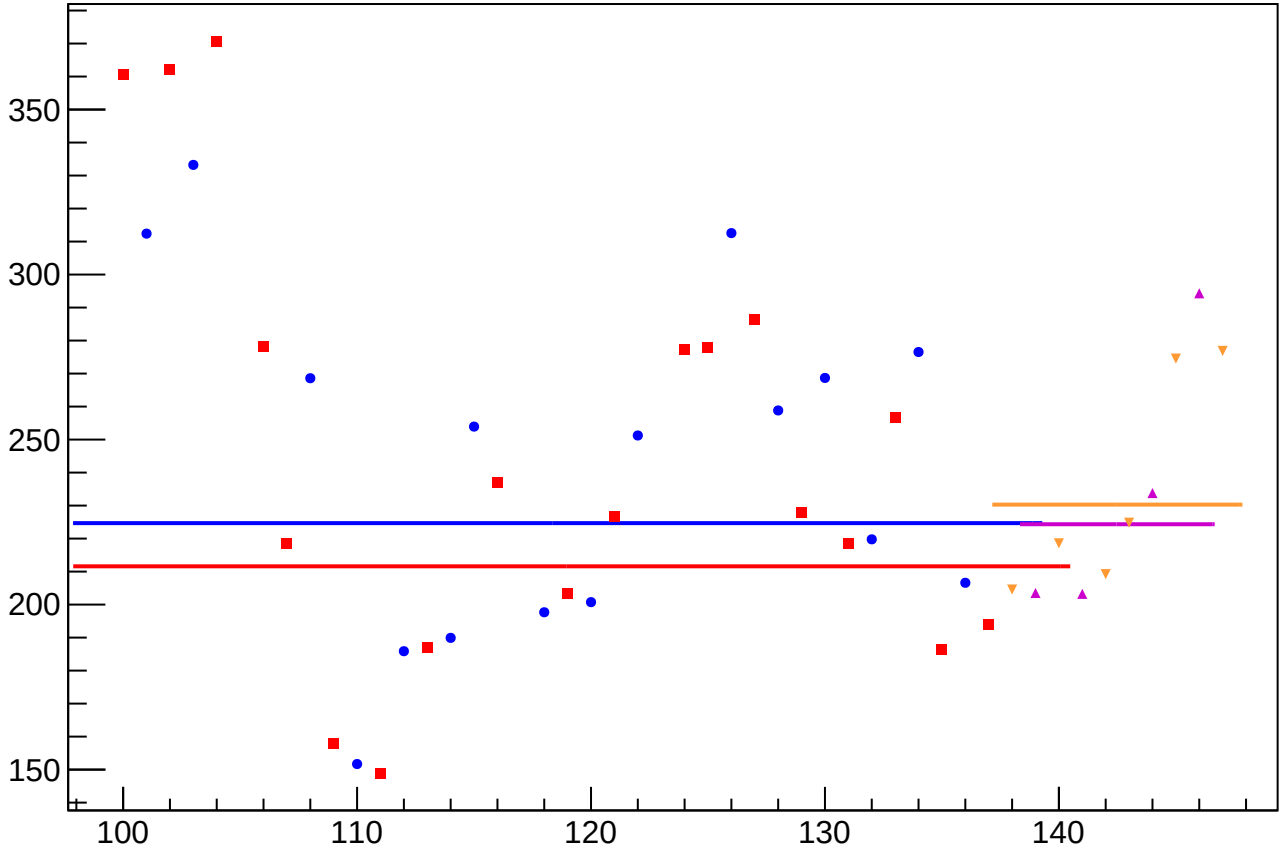
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1026.924+/-70.565 χ^2/NDF:471.6/19

Out: -377.493+/-65.238 χ^2/NDF:601.1/24

All: -676.771+/-47.903 χ^2/NDF: 1118.5/44

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 230.291+/-0.078 χ^2/NDF:126757.6/5

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 224.349+/-0.086 χ^2/NDF:138649.8/3

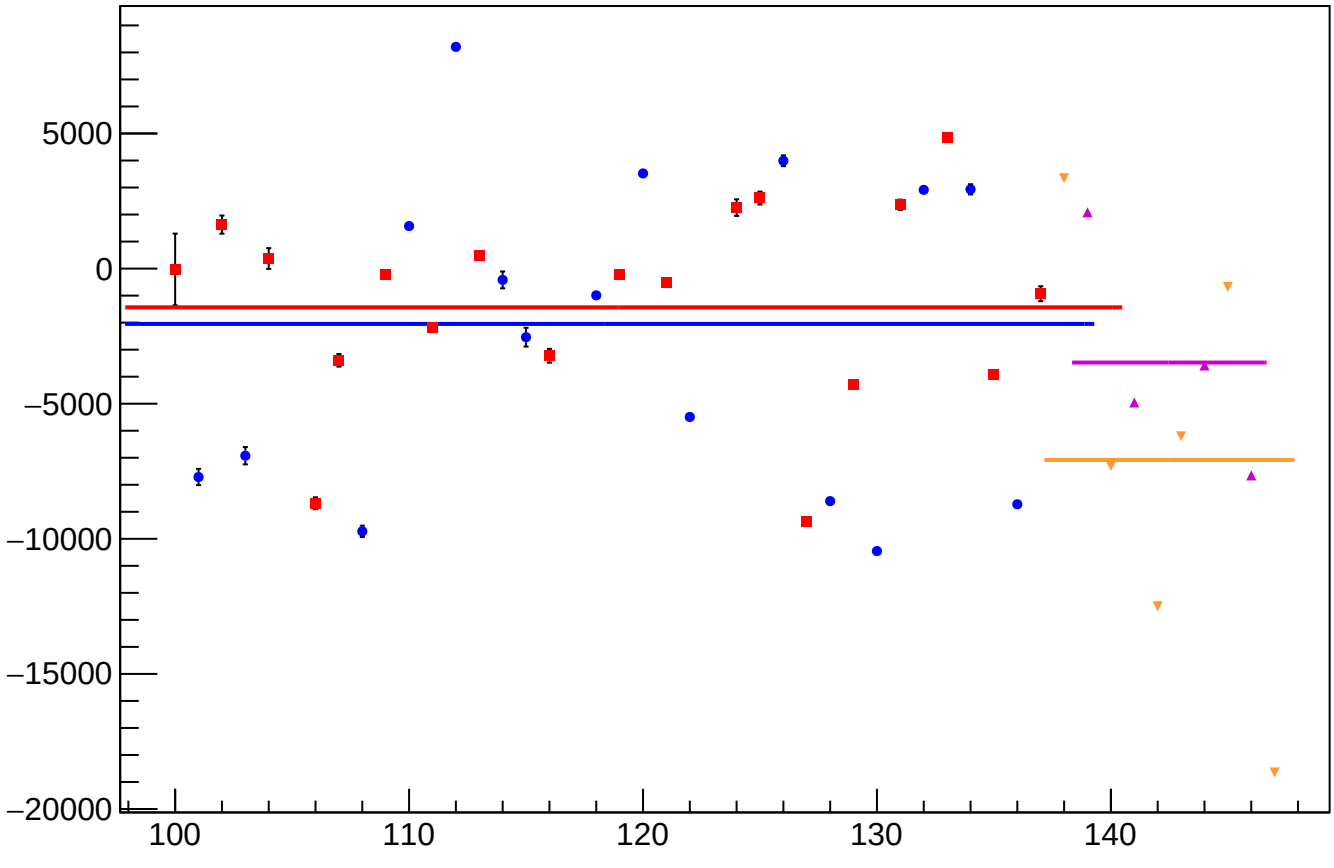
Left: 227.609+/-0.058 χ^2/NDF: 268031.3/9

Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 224.570+/-0.050 χ^2/NDF:791853.2/19

Out: 218.147+/-0.046 χ^2/NDF:1097049.4/24

All: 221.107+/-0.034 χ^2/NDF: 1897837.9/44



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -7081.454+/-53.760 χ^2/NDF:18936.7/5

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -3477.145+/-61.589 χ^2/NDF:3061.2/3

Left: -5522.809+/-40.501 χ^2/NDF: 23941.7/9

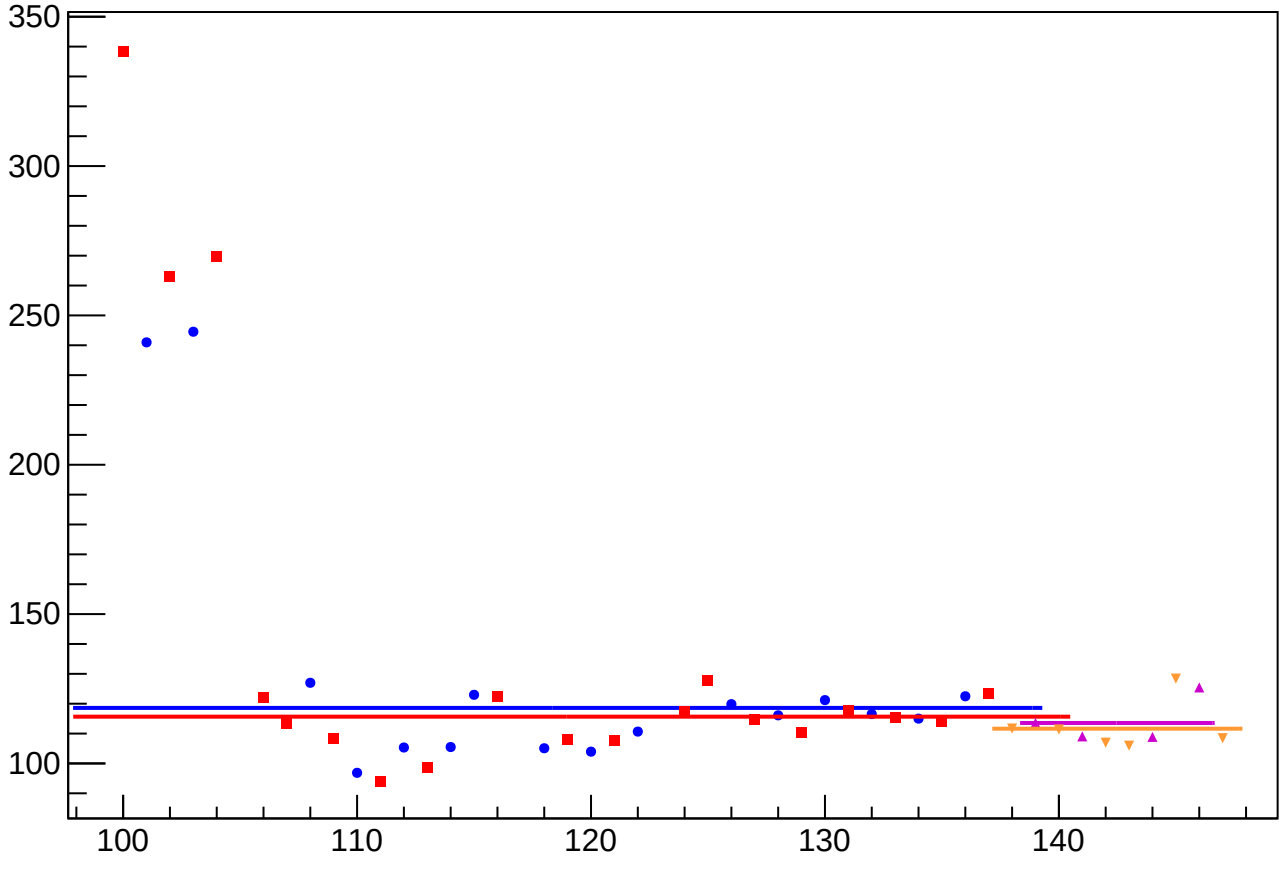
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -2569.563+/-37.223 χ^2/NDF:20112.4/19

Out: -3743.541+/-34.384 χ^2/NDF:31848.1/24

All: -3203.023+/-25.257 χ^2/NDF: 52497.3/44

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.635+/-0.038 χ^2/NDF:34278.3/5

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 113.549+/-0.044 χ^2/NDF:21891.7/3

Left: 112.463+/-0.029 χ^2/NDF: 57266.2/9

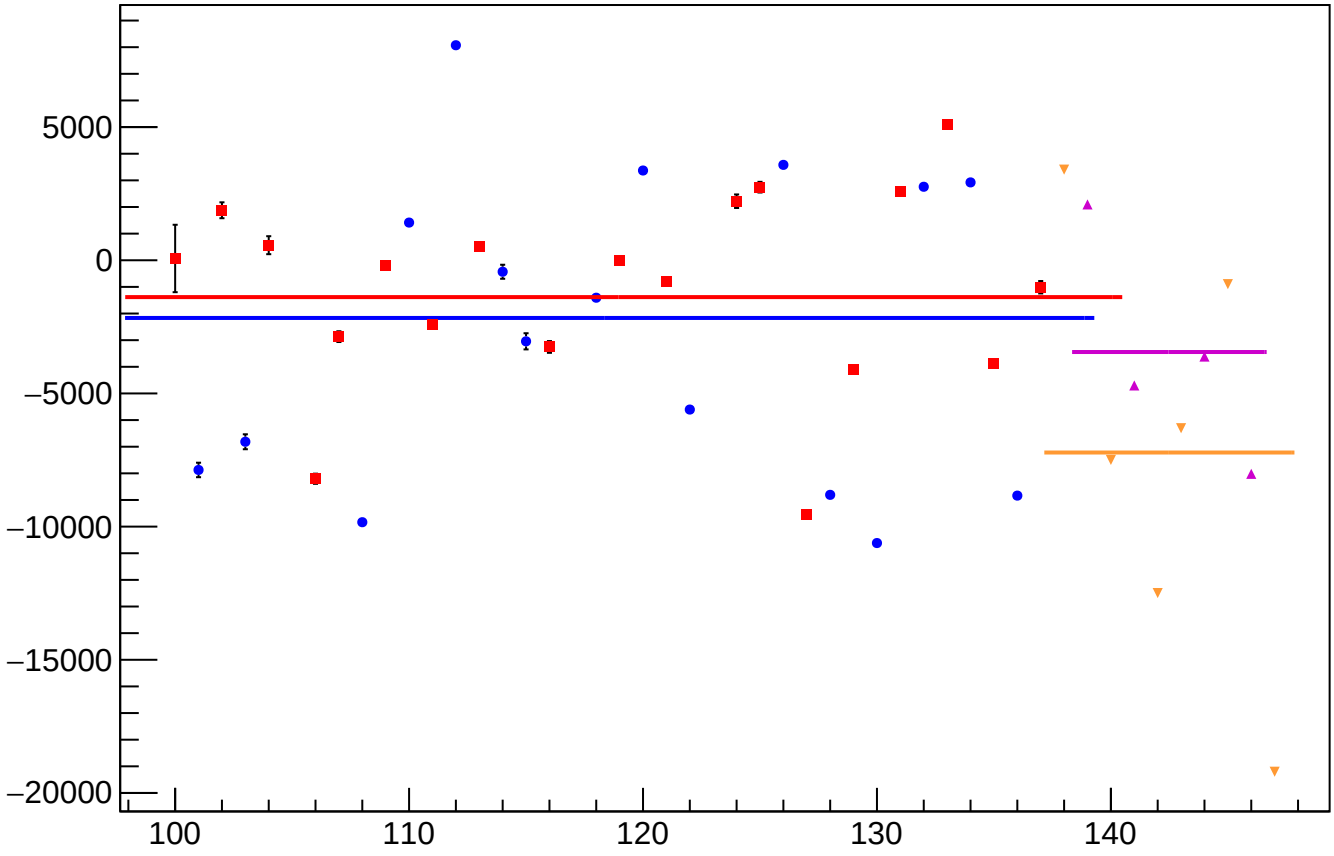
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.752+/-0.026 χ^2/NDF:764573.4/19

Out: 114.013+/-0.024 χ^2/NDF:905107.1/24

All: 115.275+/-0.018 χ^2/NDF: 1675523.9/44

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -7217.978+/-49.764 χ^2/NDF:22434.1/5

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -3444.826+/-57.253 χ^2/NDF:3707.6/3

Left: -5594.168+/-37.559 χ^2/NDF: 28615.8/9

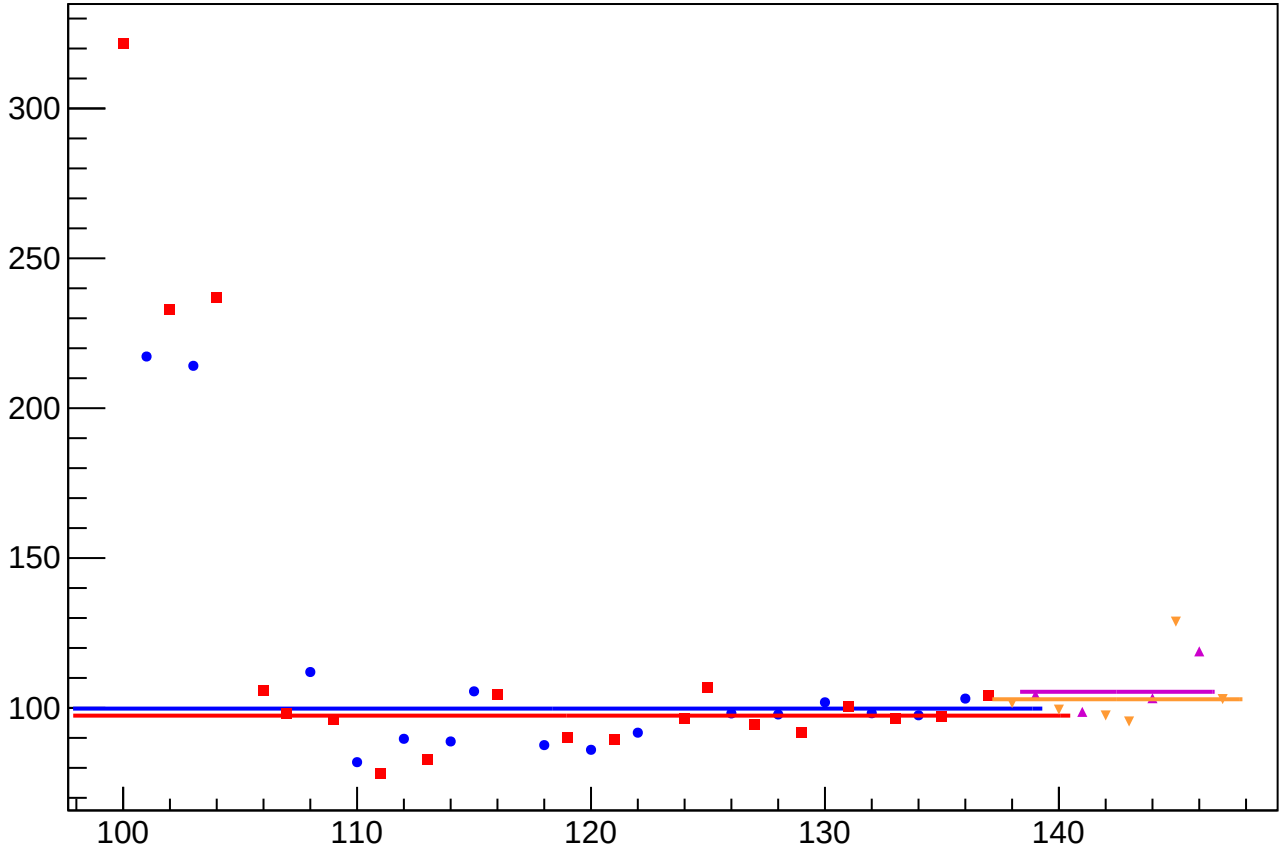
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -2580.188+/-32.586 χ^2/NDF:26919.7/19

Out: -3530.505+/-30.189 χ^2/NDF:40271.0/24

All: -3091.578+/-22.146 χ^2/NDF: 67648.4/44

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.890+/-0.035 χ^2/NDF:77593.4/5

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 105.383+/-0.040 χ^2/NDF:31436.7/3

Left: 103.963+/-0.027 χ^2/NDF: 111190.8/9

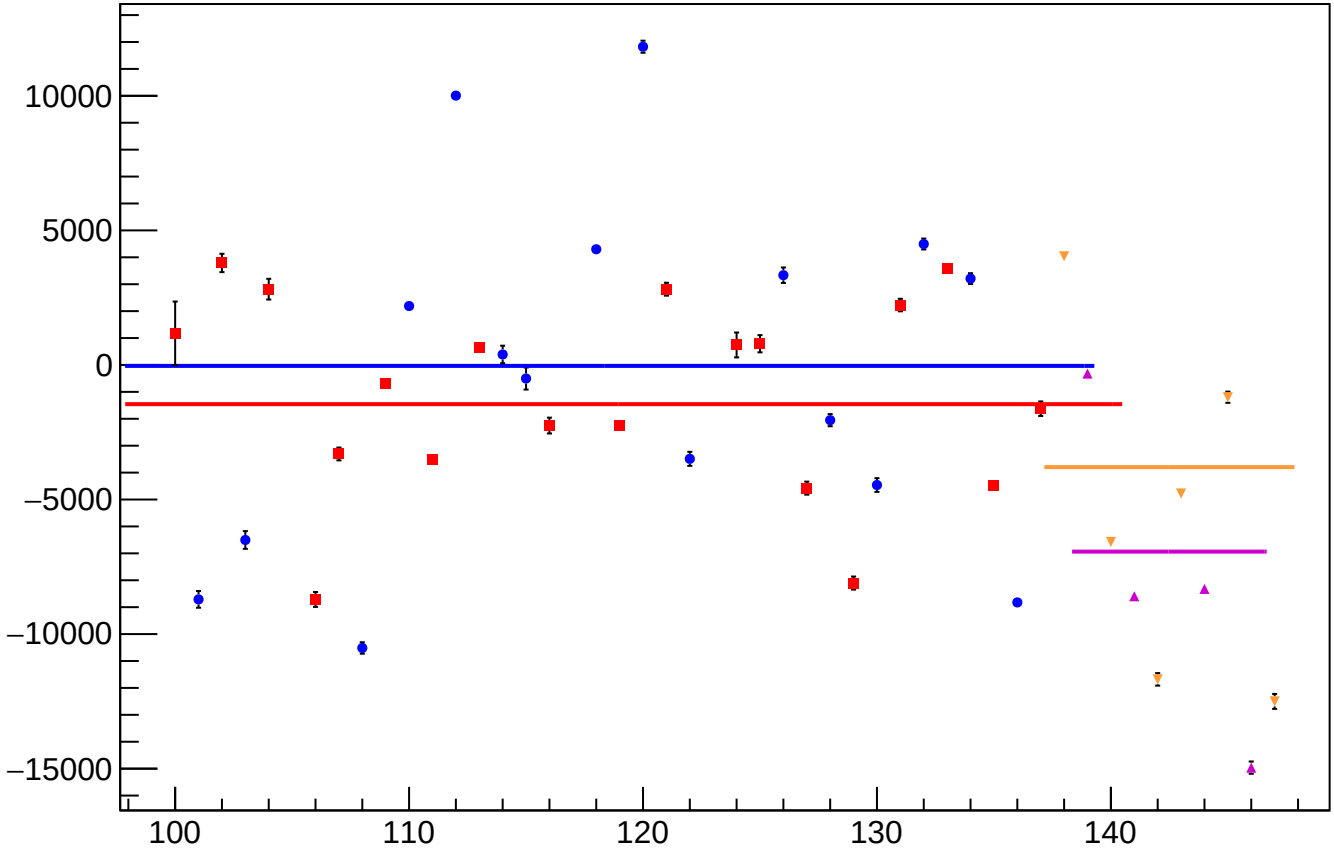
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 101.591+/-0.023 χ^2/NDF:853564.5/19

Out: 99.438+/-0.021 χ^2/NDF:1018868.9/24

All: 100.432+/-0.016 χ^2/NDF: 1877134.4/44

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3795.737+/-77.999 χ^2/NDF:5127.7/5

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6935.647+/-87.851 χ^2/NDF:3124.9/3

Left: -5179.815+/-58.327 χ^2/NDF: 8967.0/9

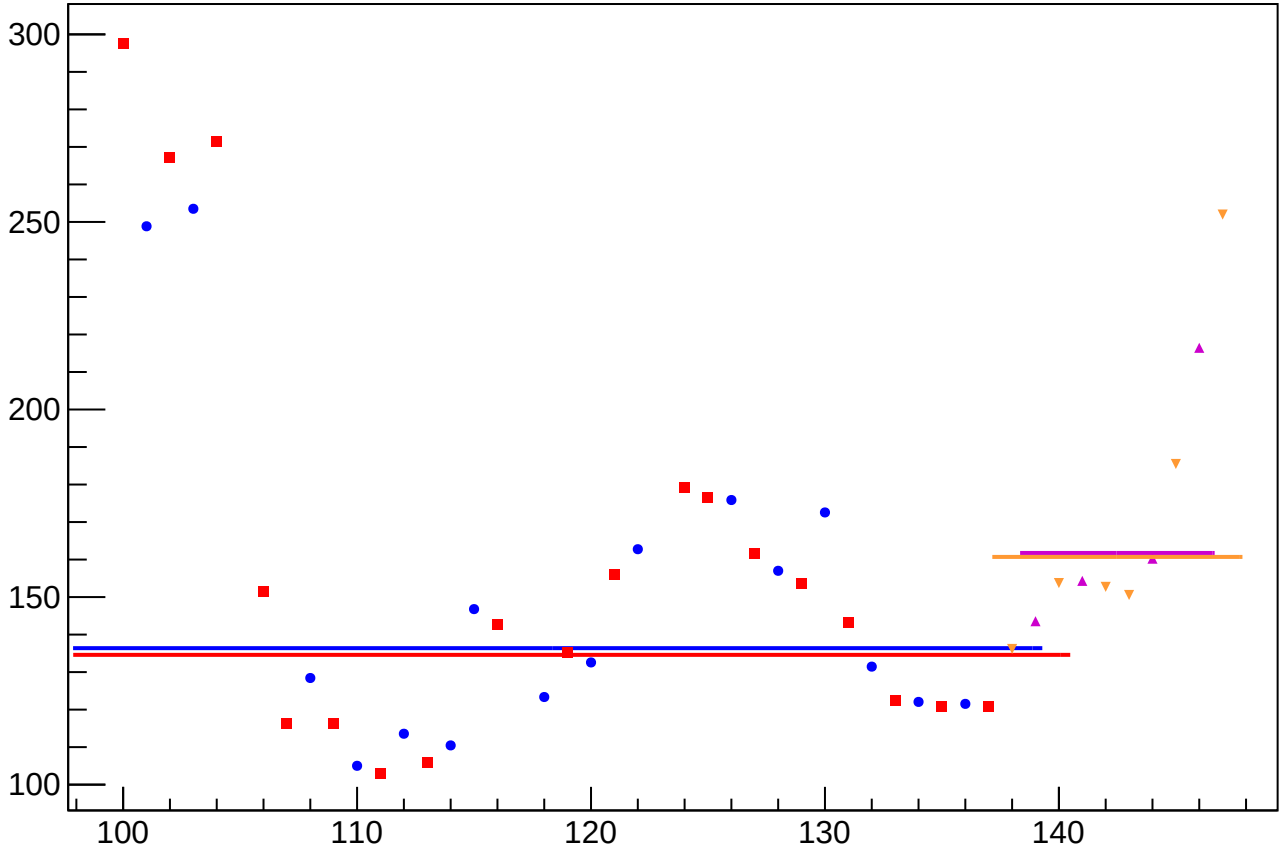
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -1899.831+/-45.672 χ^2/NDF:24430.6/19

Out: -2175.358+/-43.235 χ^2/NDF:9867.7/24

All: -2045.141+/-31.398 χ^2/NDF: 34317.4/44

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 160.705+/-0.055 χ^2/NDF:306750.7/5

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 161.761+/-0.062 χ^2/NDF:144493.8/3

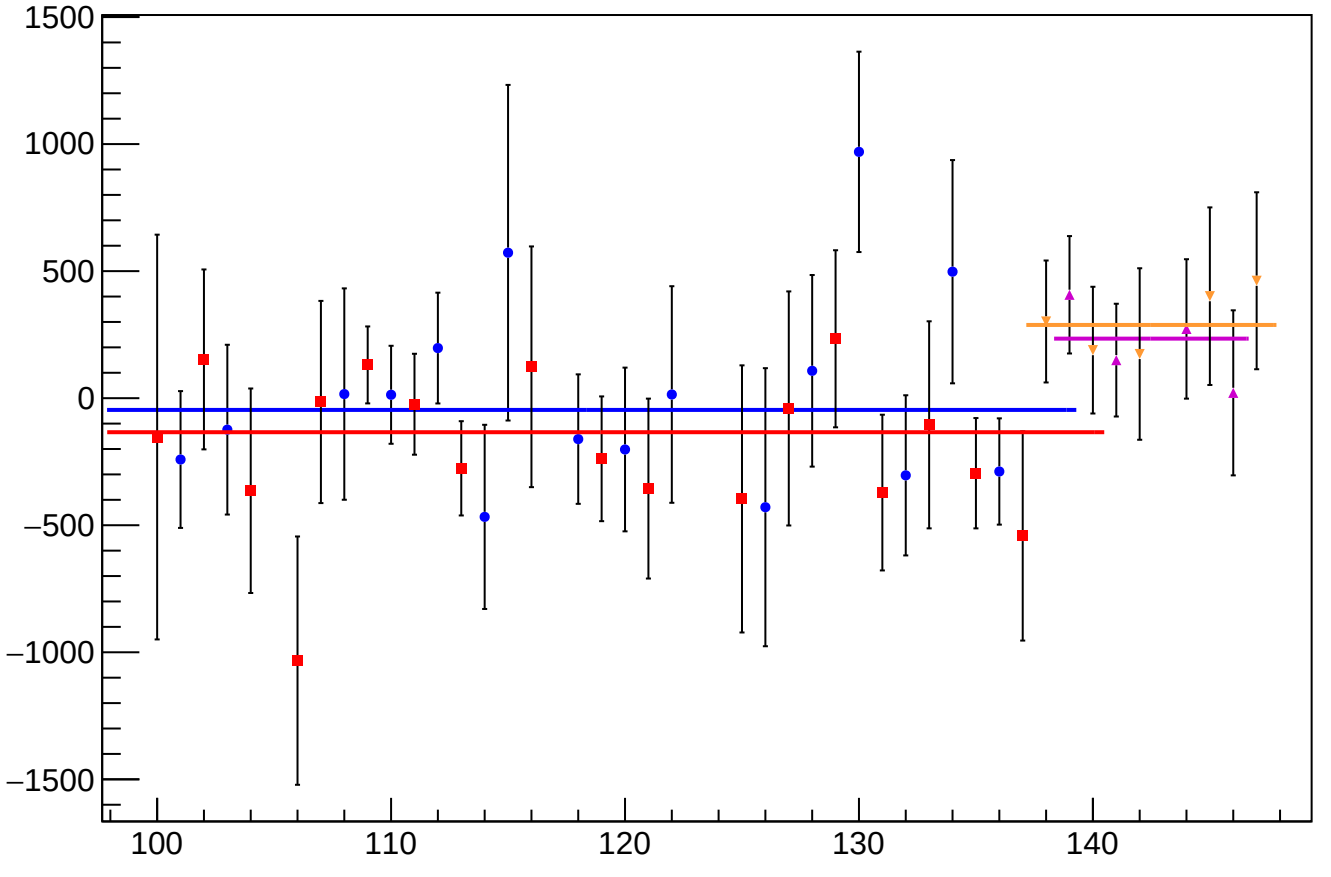
Left: 161.171+/-0.041 χ^2/NDF: 451406.2/9

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 143.242+/-0.032 χ^2/NDF:1063138.8/19

Out: 142.620+/-0.031 χ^2/NDF:1381571.4/24

All: 142.914+/-0.022 χ^2/NDF: 2444906.2/44



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 288.210+/-130.567 χ^2/NDF:0.6/4

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 234.361+/-127.189 χ^2/NDF:1.2/3

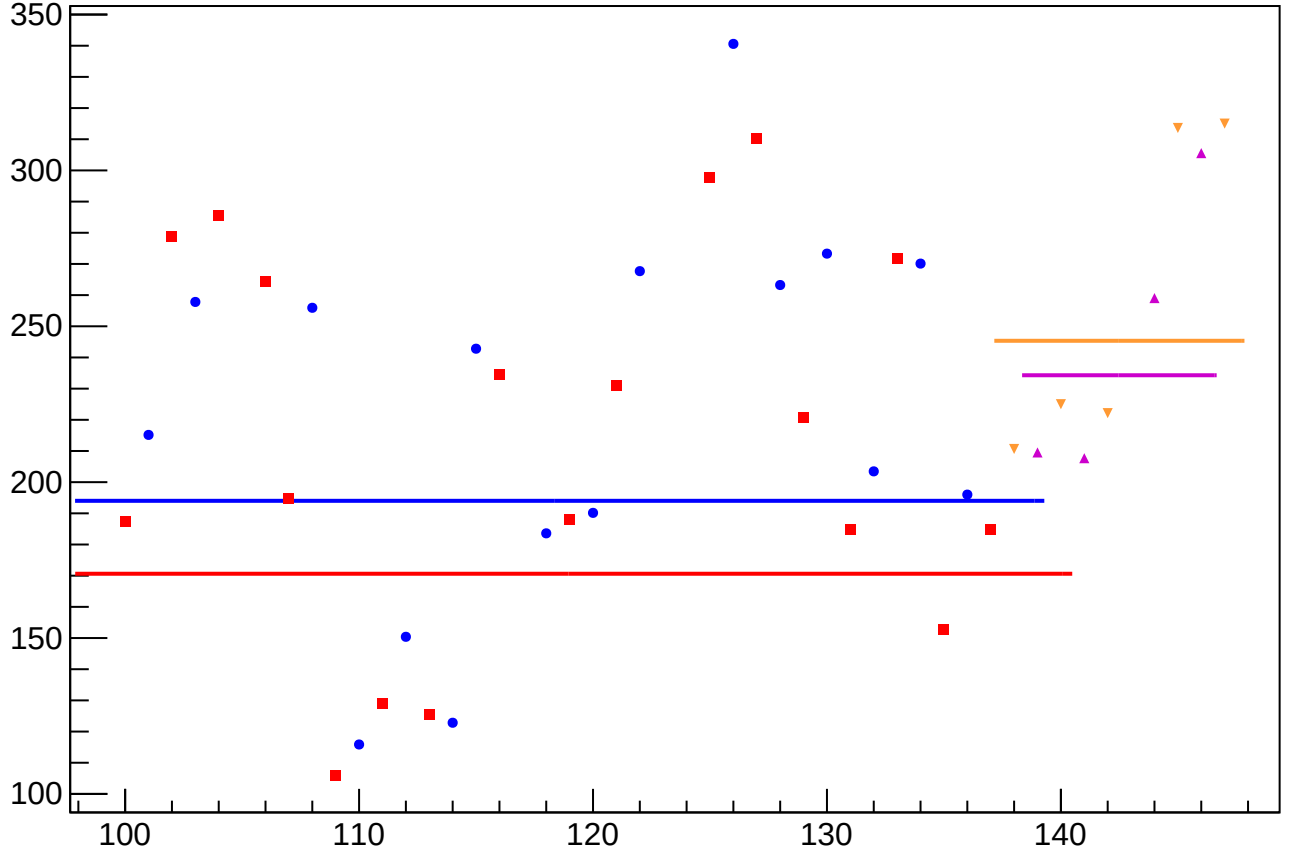
Left: 260.580+/-91.107 χ^2/NDF: 1.9/8

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 28.023+/-65.419 χ^2/NDF:20.2/19

Out: -42.984+/-60.599 χ^2/NDF:21.7/22

All: -10.192+/-44.456 χ^2/NDF: 42.5/42



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 245.351+/-0.092 χ^2/NDF:220973.2/4

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 234.294+/-0.090 χ^2/NDF:164262.2/3

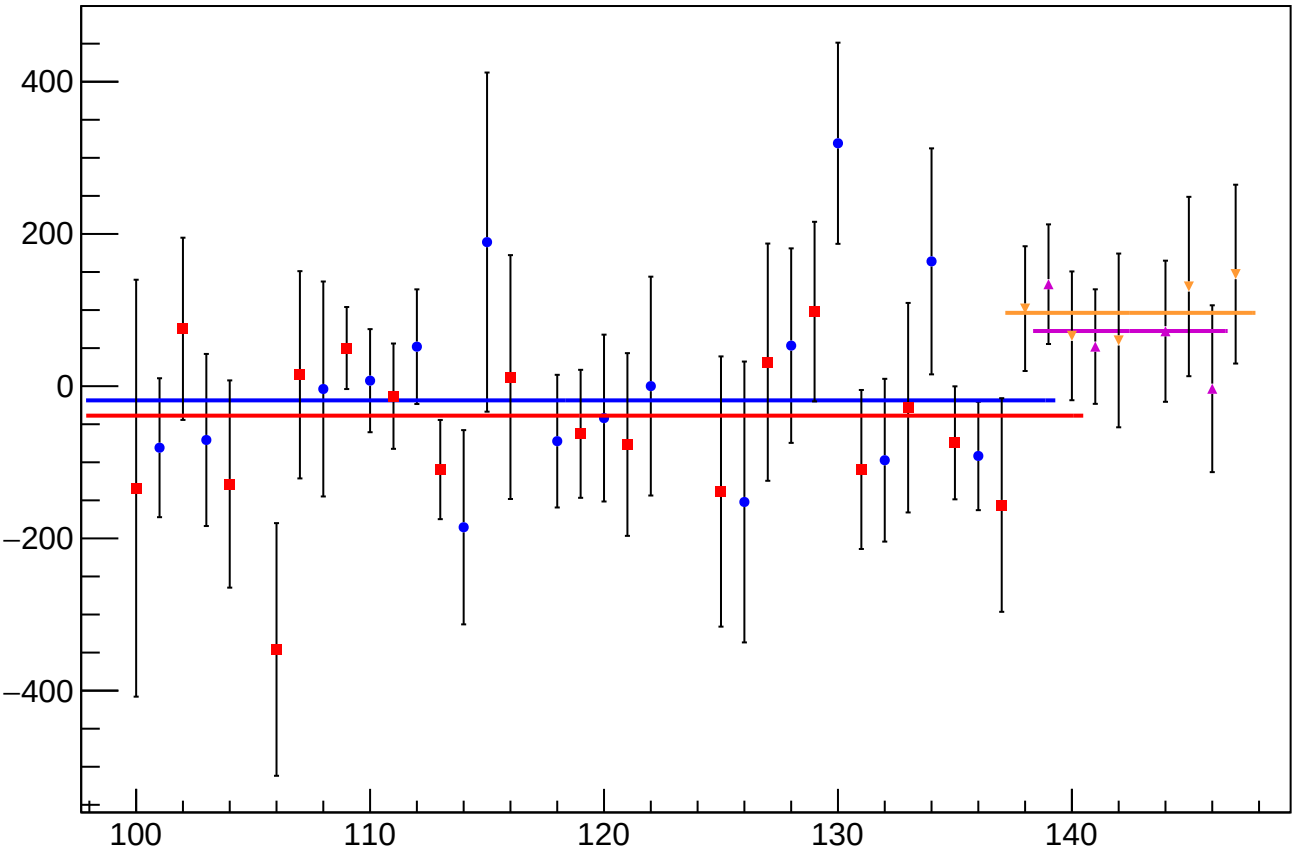
Left: 239.678+/-0.064 χ^2/NDF: 392594.5/8

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 204.672+/-0.046 χ^2/NDF:1355356.2/19

Out: 186.721+/-0.043 χ^2/NDF:2328715.2/22

All: 195.011+/-0.031 χ^2/NDF: 3765125.7/42



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 96.351+/-44.286 χ^2/NDF:0.5/4

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 72.488+/-43.107 χ^2/NDF:1.2/3

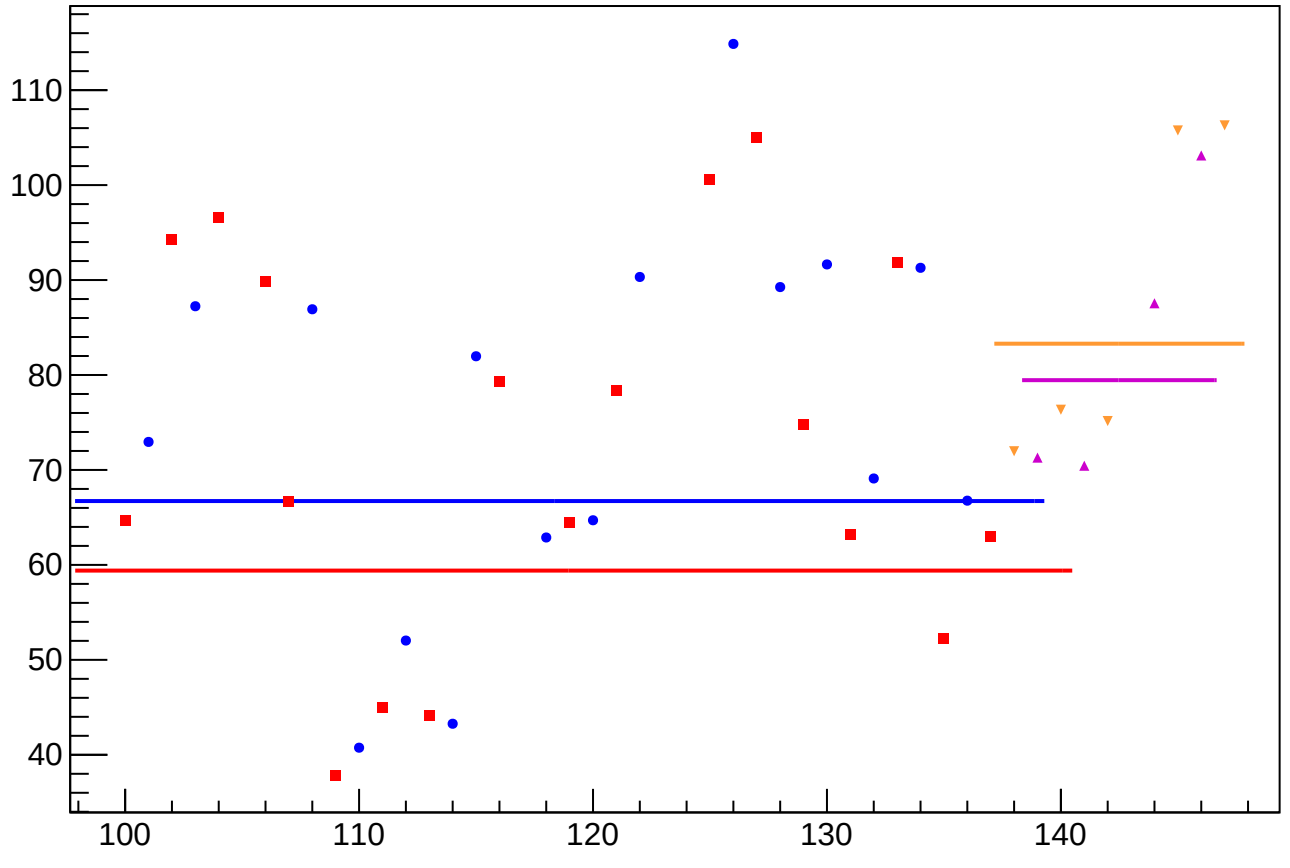
Left: 84.097+/-30.890 χ^2/NDF: 1.8/8

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 5.832+/-22.341 χ^2/NDF:19.6/19

Out: -8.741+/-20.863 χ^2/NDF:20.4/22

All: -1.952+/-15.248 χ^2/NDF: 40.2/42



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 83.296+/-0.031 χ^2/NDF:211196.2/4

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 79.455+/-0.030 χ^2/NDF:158723.2/3

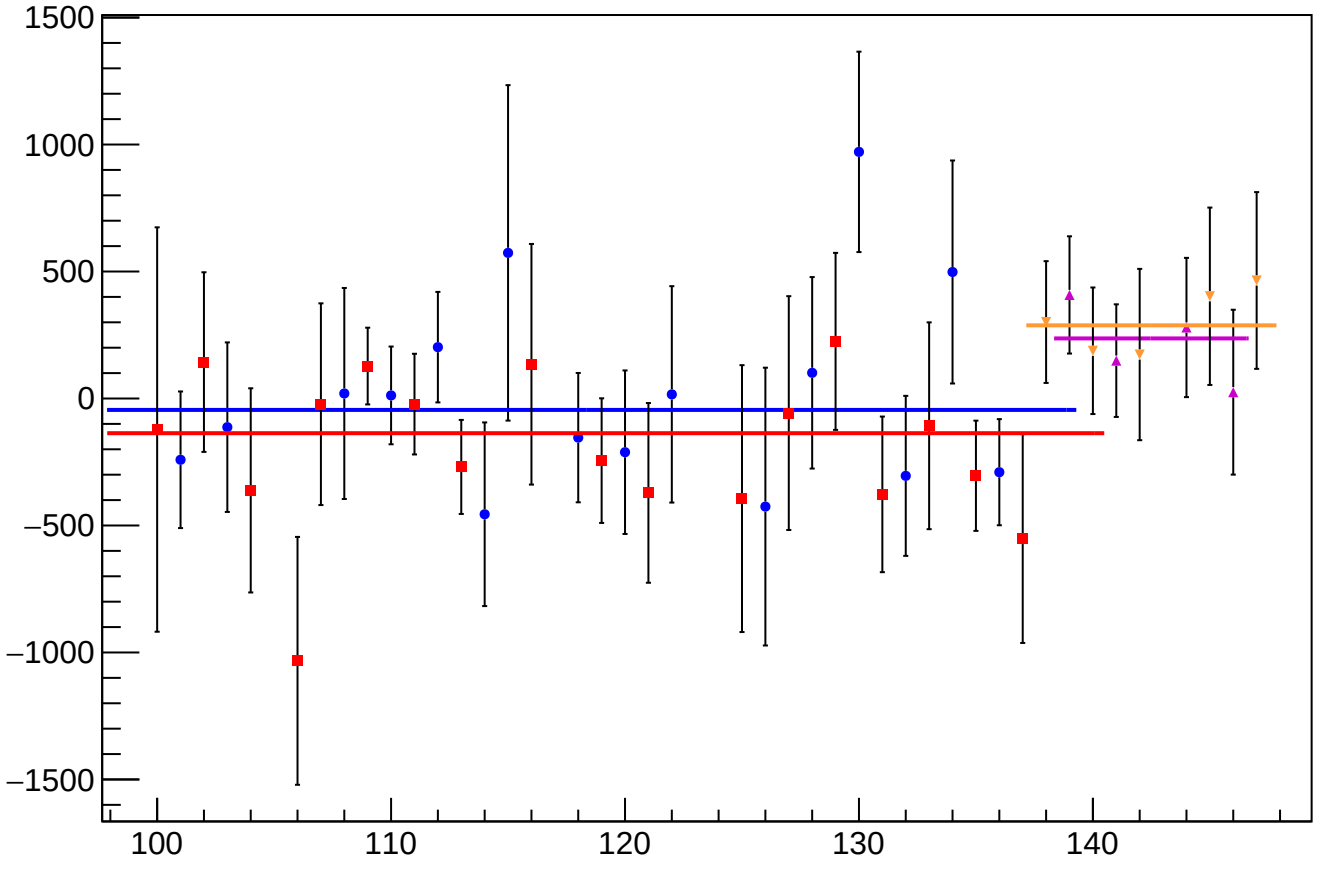
Left: 81.324+/-0.022 χ^2/NDF: 377644.4/8

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 70.144+/-0.016 χ^2/NDF:1233355.7/19

Out: 64.704+/-0.015 χ^2/NDF:2109627.7/22

All: 67.238+/-0.011 χ^2/NDF: 3406330.6/42



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 288.072+/-130.458 χ^2/NDF:0.6/4

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 236.541+/-127.093 χ^2/NDF:1.2/3

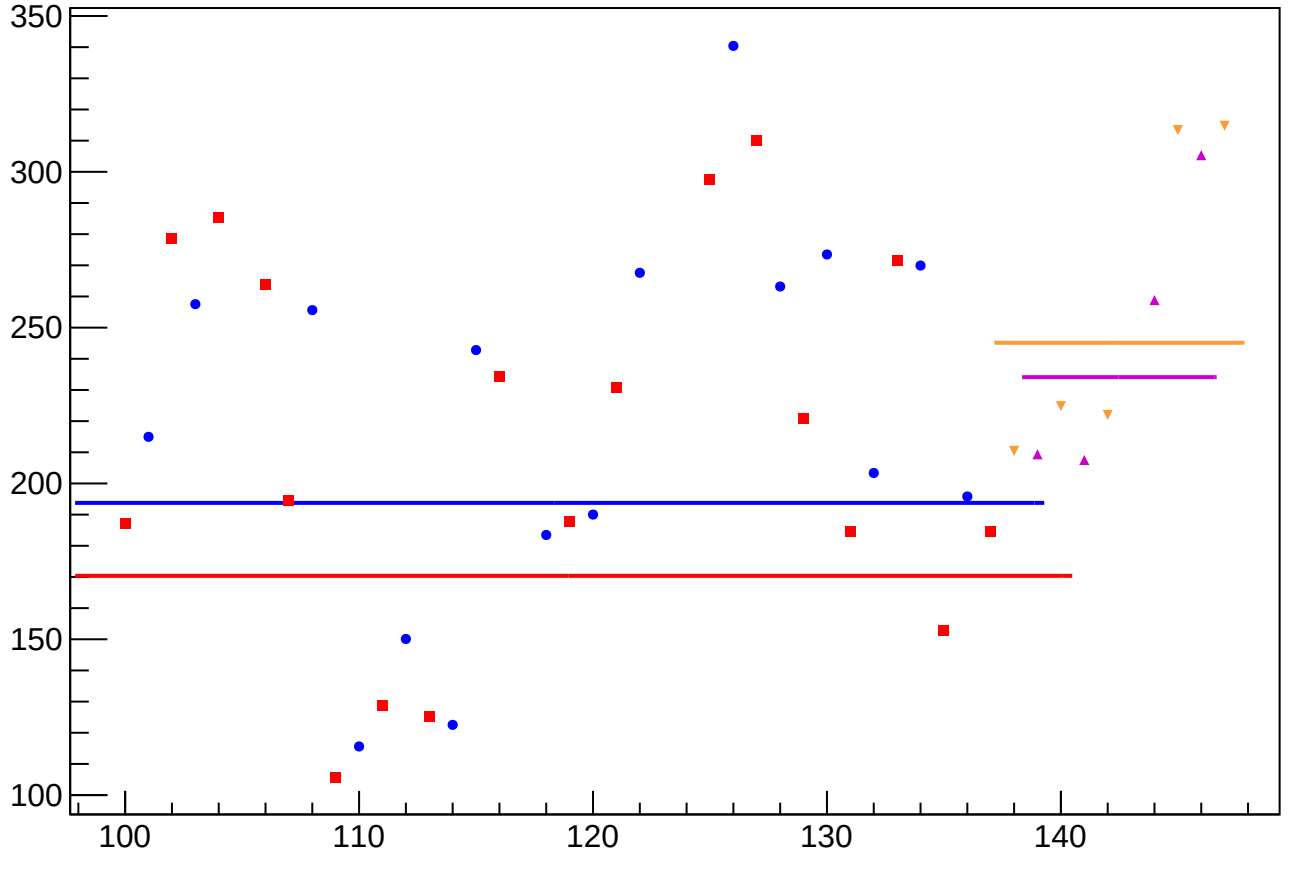
Left: 261.633+/-91.035 χ^2/NDF: 1.9/8

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 29.504+/-65.352 χ^2/NDF:20.2/19

Out: -45.178+/-60.525 χ^2/NDF:21.8/22

All: -10.697+/-44.406 χ^2/NDF: 42.8/42



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 245.144+/-0.092 χ^2/NDF:221117.3/4

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 234.115+/-0.090 χ^2/NDF:164303.9/3

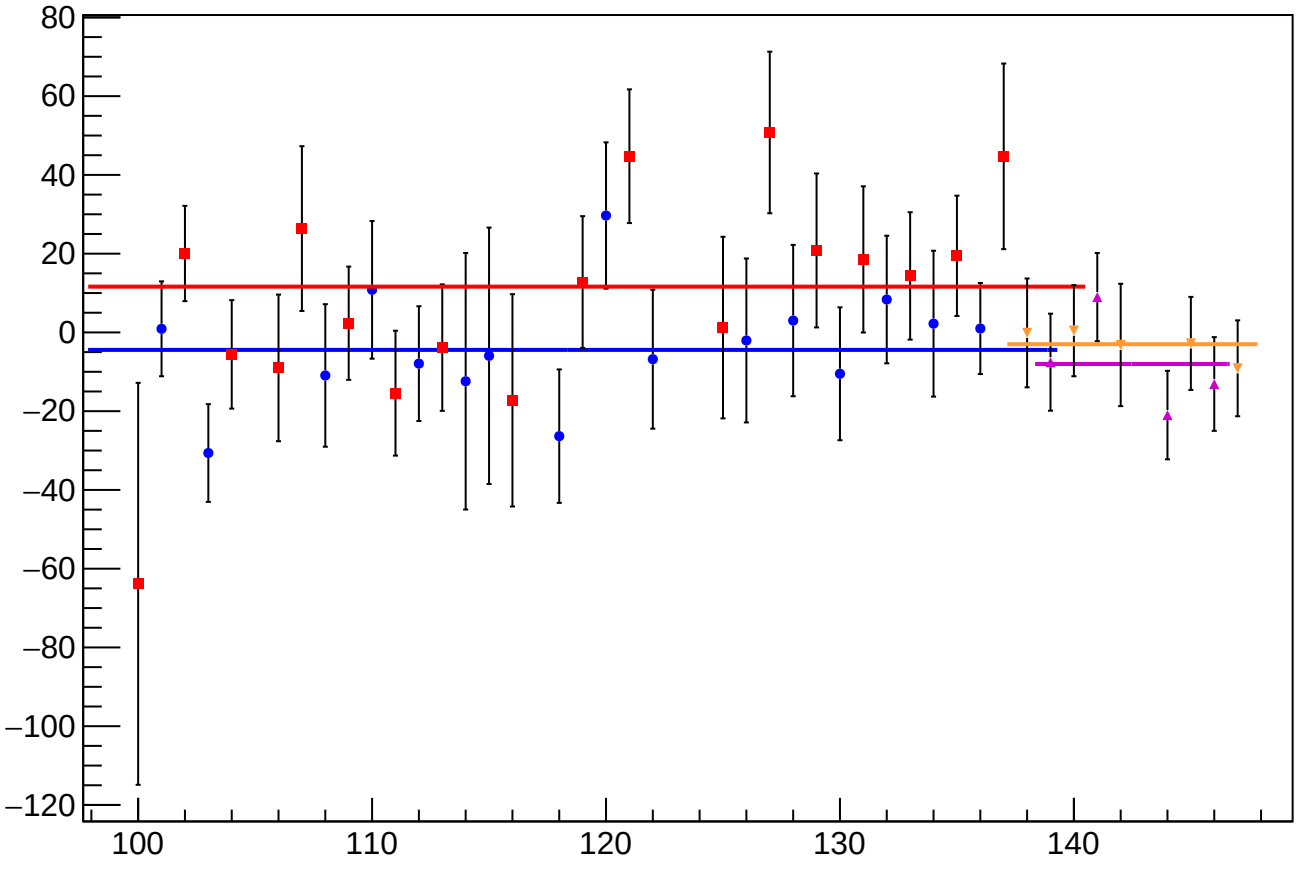
Left: 239.486+/-0.064 χ^2/NDF: 392754.9/8

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 204.436+/-0.046 χ^2/NDF:1360670.1/19

Out: 186.455+/-0.043 χ^2/NDF:2335929.0/22

All: 194.757+/-0.031 χ^2/NDF: 3778104.0/42



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -2.990+/-5.703 χ^2/NDF:0.4/4

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -8.015+/-5.819 χ^2/NDF:3.8/3

Left: -5.452+/-4.073 χ^2/NDF: 4.6/8

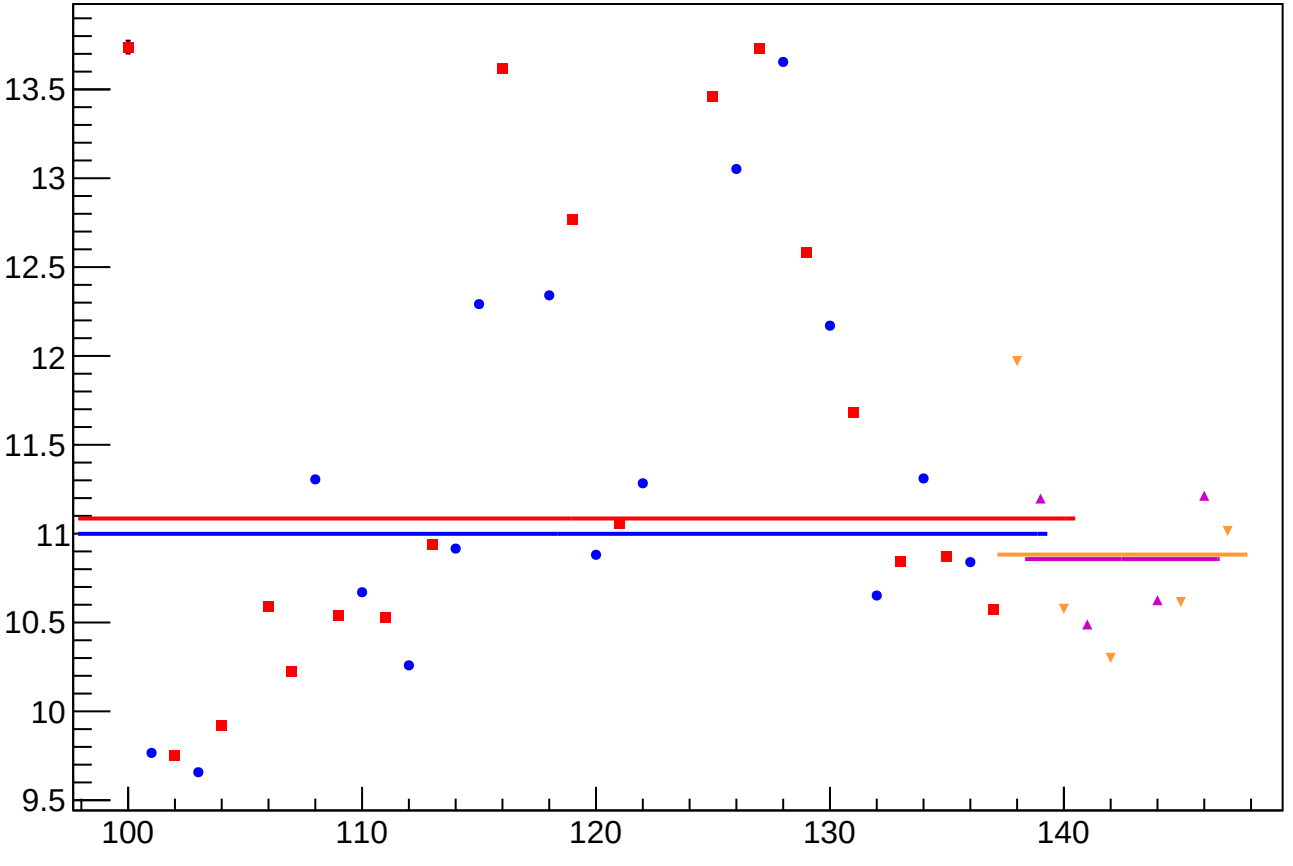
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -5.638+/-3.368 χ^2/NDF:16.1/19

Out: 6.588+/-3.348 χ^2/NDF:26.3/22

All: 0.511+/-2.375 χ^2/NDF: 49.0/42

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 10.882+/-0.004 χ^2/NDF:17854.3/4

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 10.857+/-0.004 χ^2/NDF:6326.7/3

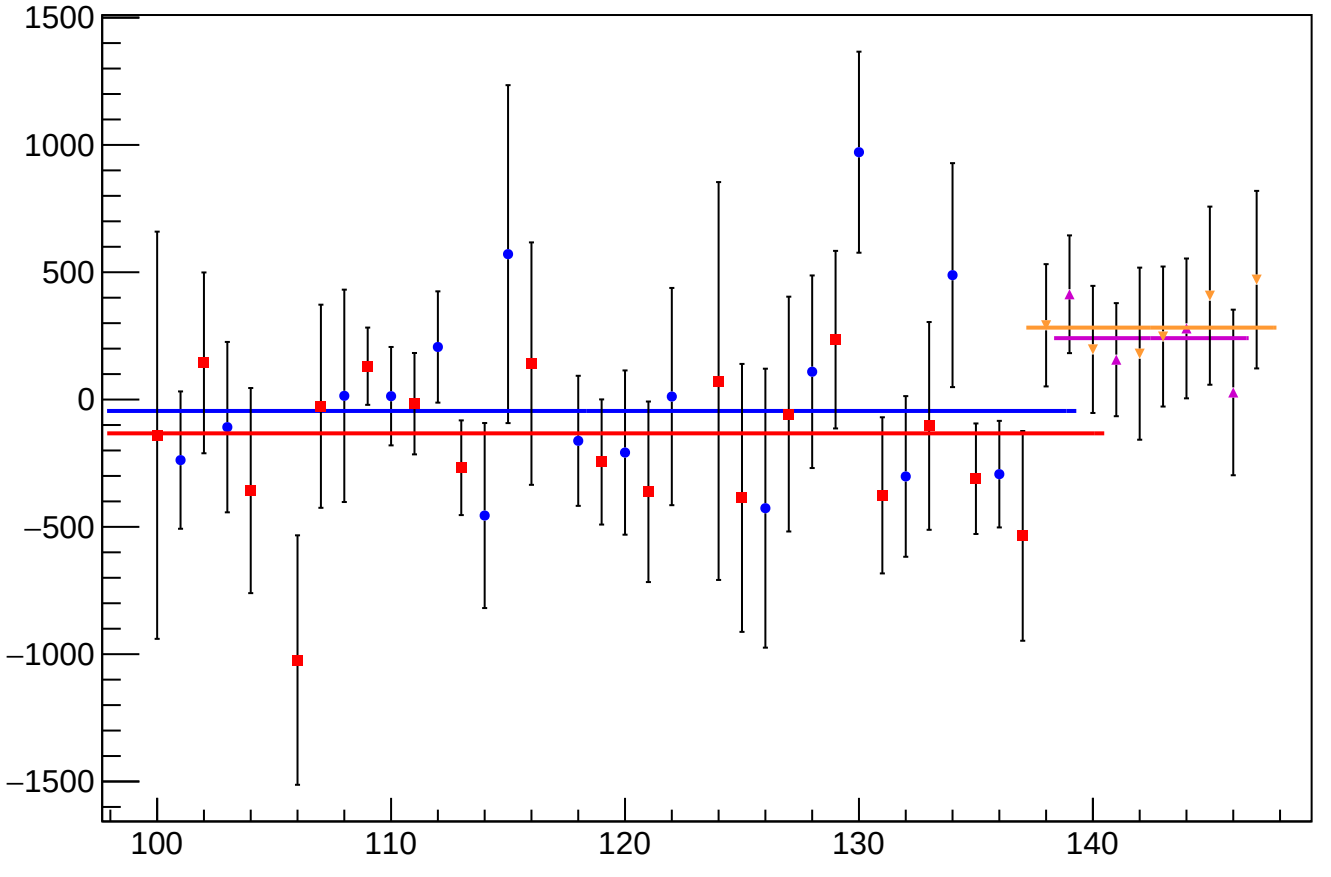
Left: 10.870+/-0.003 χ^2/NDF: 24200.1/8

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 10.951+/-0.002 χ^2/NDF:143278.5/19

Out: 11.015+/-0.002 χ^2/NDF:181721.9/22

All: 10.984+/-0.002 χ^2/NDF: 325361.6/42



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 282.515+/-118.033 χ^2/NDF:0.6/5

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 241.147+/-127.305 χ^2/NDF:1.2/3

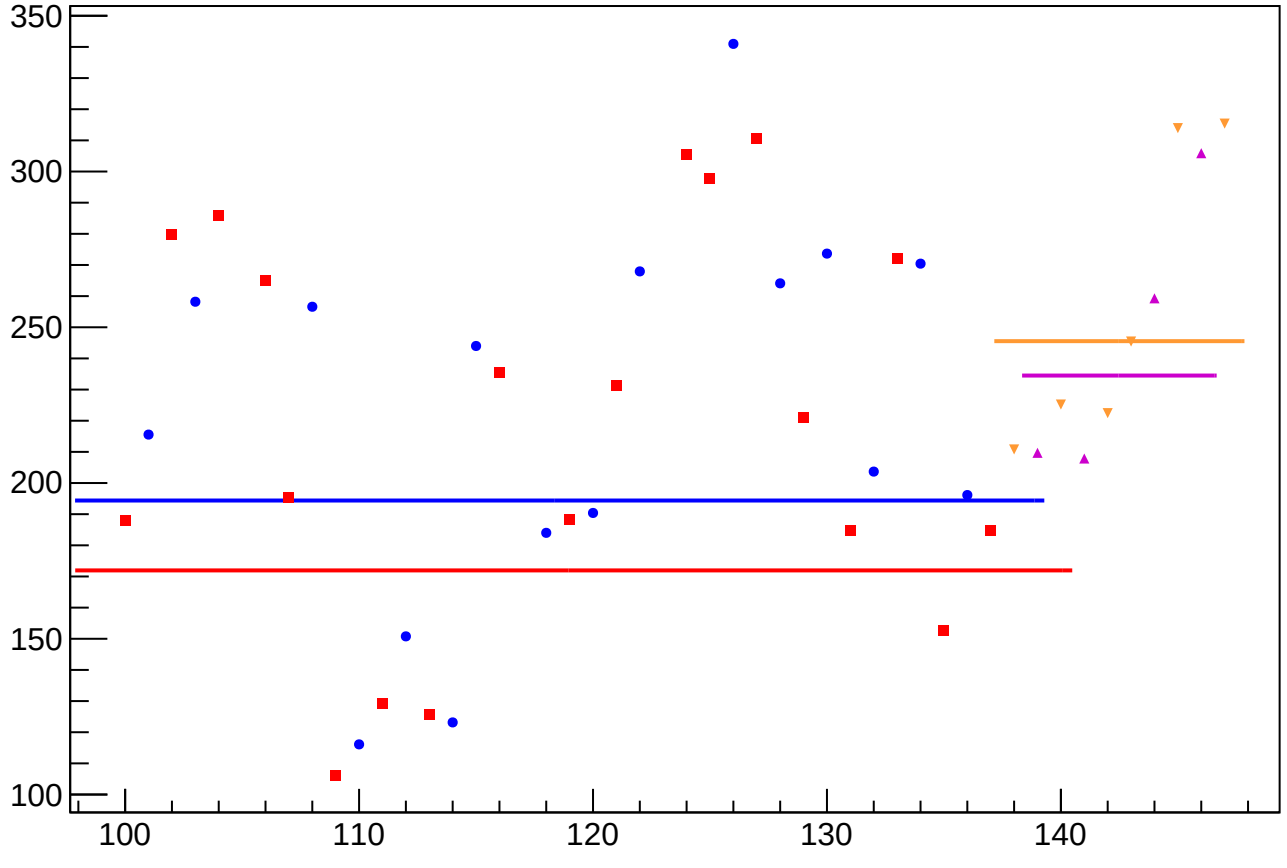
Left: 263.392+/-86.554 χ^2/NDF: 1.9/9

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 30.953+/-65.523 χ^2/NDF:20.3/19

Out: -28.637+/-59.096 χ^2/NDF:22.8/24

All: -1.907+/-43.884 χ^2/NDF: 43.5/44



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 245.545+/-0.083 χ^2/NDF:221267.1/5

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 234.502+/-0.090 χ^2/NDF:164464.3/3

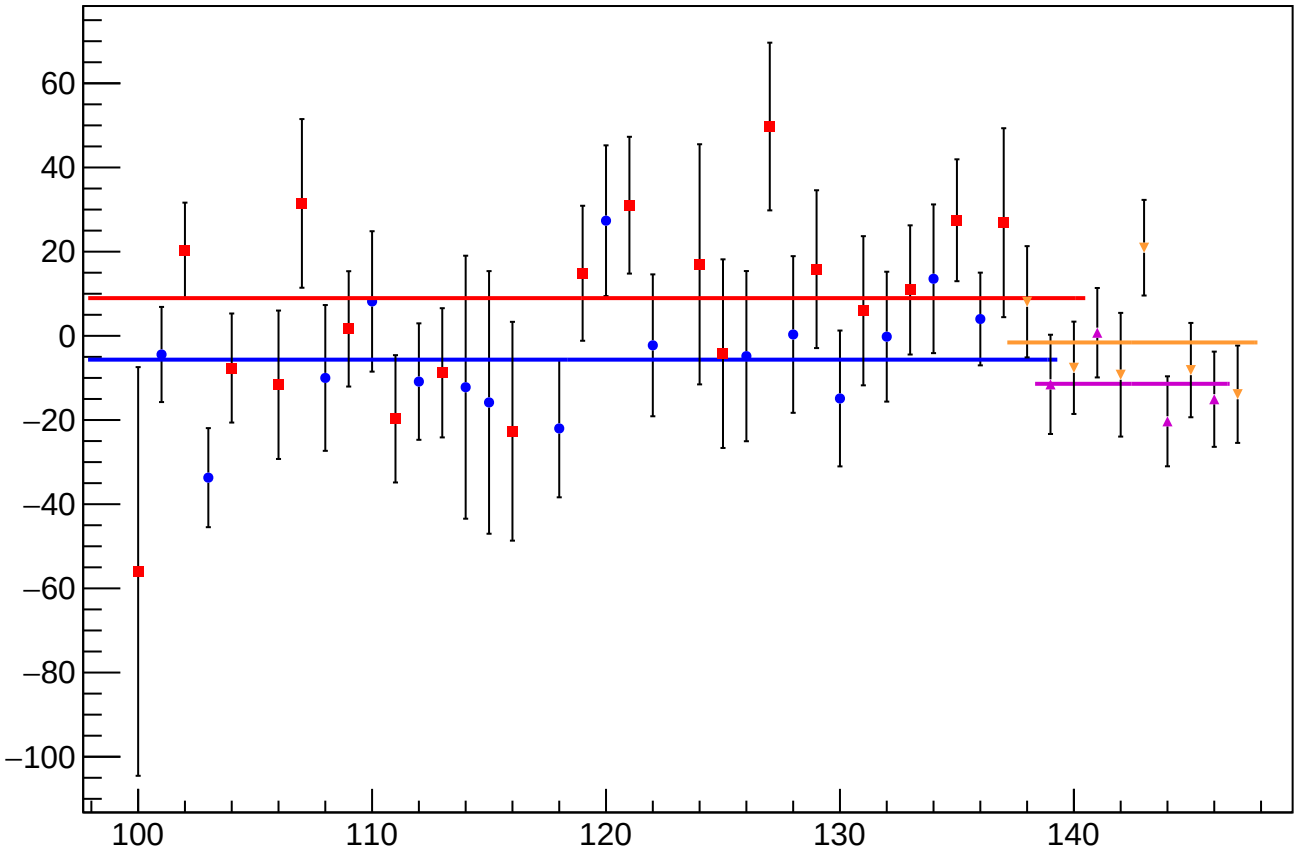
Left: 240.440+/-0.061 χ^2/NDF: 393823.8/9

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 205.013+/-0.046 χ^2/NDF:1352480.9/19

Out: 190.398+/-0.042 χ^2/NDF:2455251.9/24

All: 196.953+/-0.031 χ^2/NDF: 3862600.3/44



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -1.571+/-4.888 χ^2/NDF:6.5/5

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -11.397+/-5.537 χ^2/NDF:2.1/3

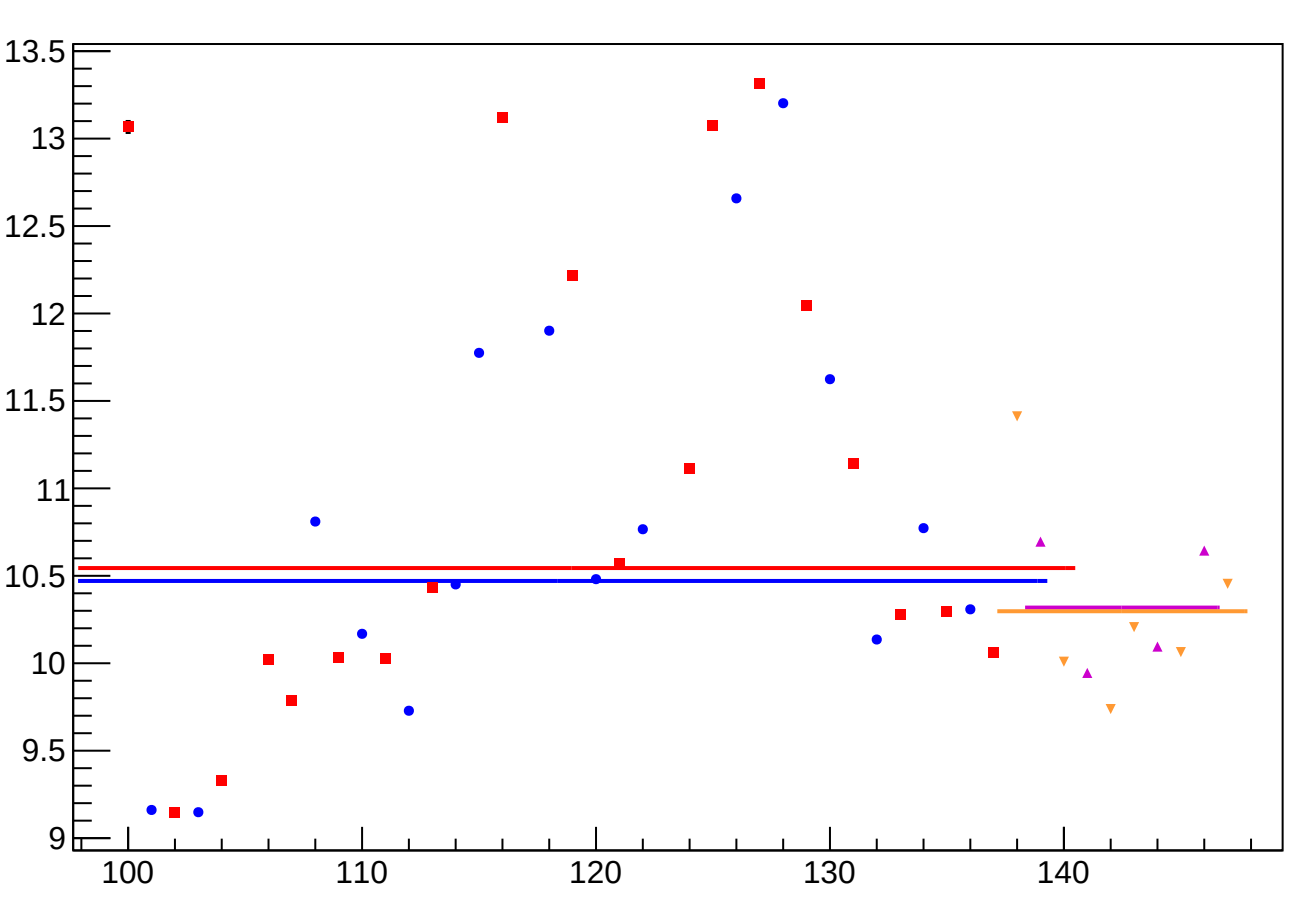
Left: -5.875+/-3.664 χ^2/NDF: 10.4/9

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -7.586+/-3.210 χ^2/NDF:16.5/19

Out: 4.863+/-3.049 χ^2/NDF:32.1/24

All: -1.042+/-2.211 χ^2/NDF: 56.5/44



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.297+/-0.003 χ^2/NDF:19866.2/5

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.318+/-0.004 χ^2/NDF:7048.1/3

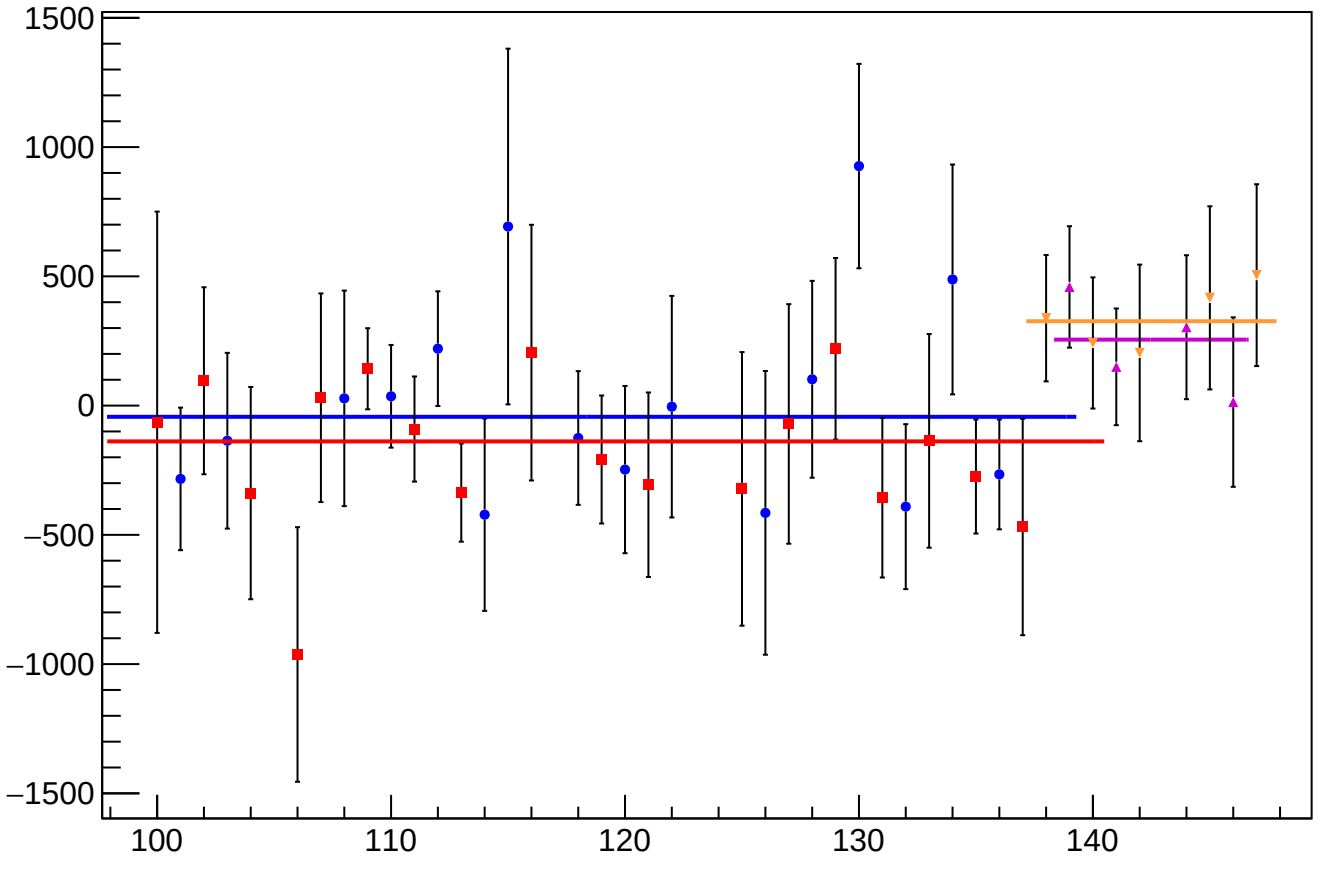
Left: 10.307+/-0.003 χ^2/NDF: 26930.3/9

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.419+/-0.002 χ^2/NDF:165418.3/19

Out: 10.448+/-0.002 χ^2/NDF:209765.2/24

All: 10.435+/-0.002 χ^2/NDF: 375268.5/44



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 326.424+/-132.599 χ^2/NDF:0.6/4

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 255.205+/-129.140 χ^2/NDF:1.5/3

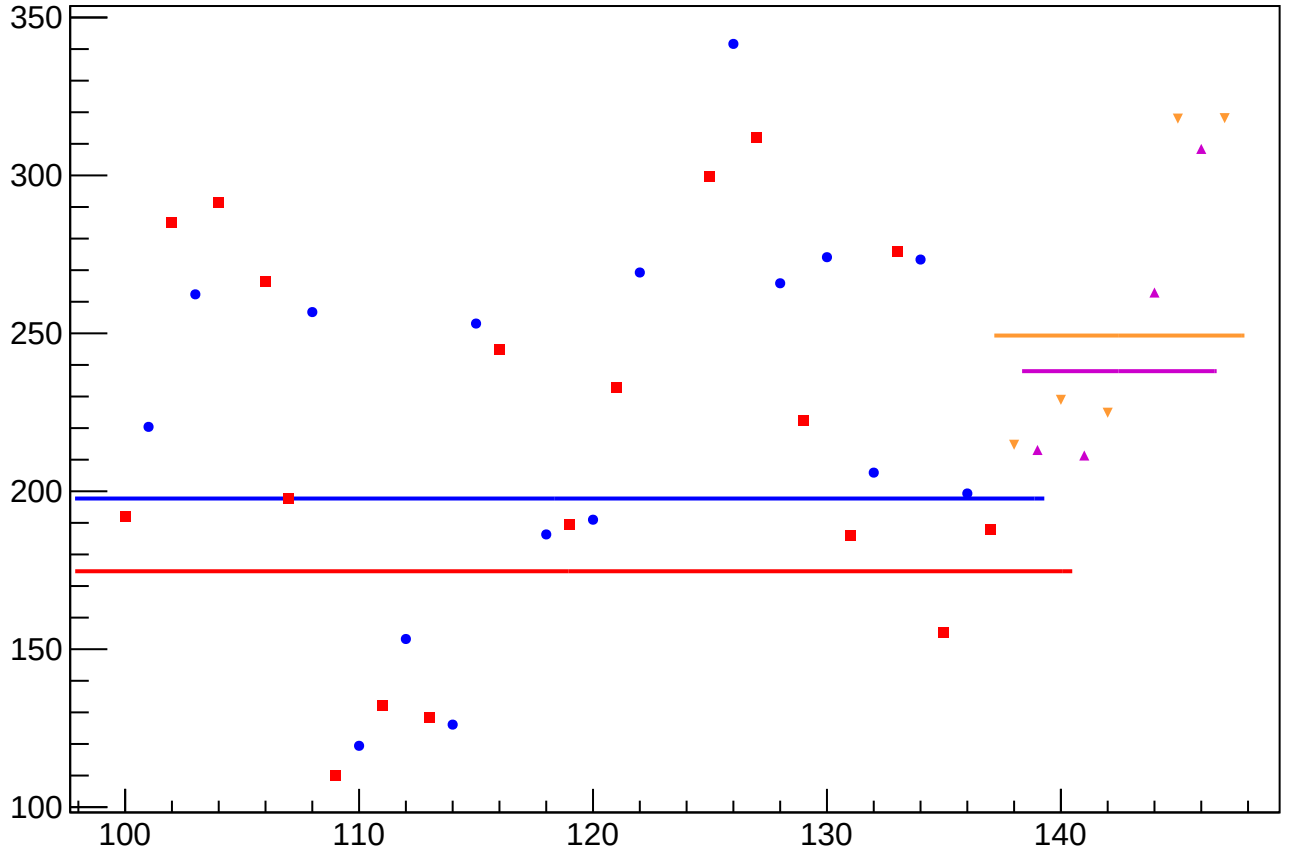
Left: 289.873+/-92.514 χ^2/NDF: 2.3/8

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 35.805+/-66.505 χ^2/NDF:20.9/19

Out: -37.513+/-61.788 χ^2/NDF:21.6/22

All: -3.546+/-45.266 χ^2/NDF: 43.2/42



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 249.306+/-0.094 χ^2/NDF:214856.0/4

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 238.028+/-0.091 χ^2/NDF:158730.0/3

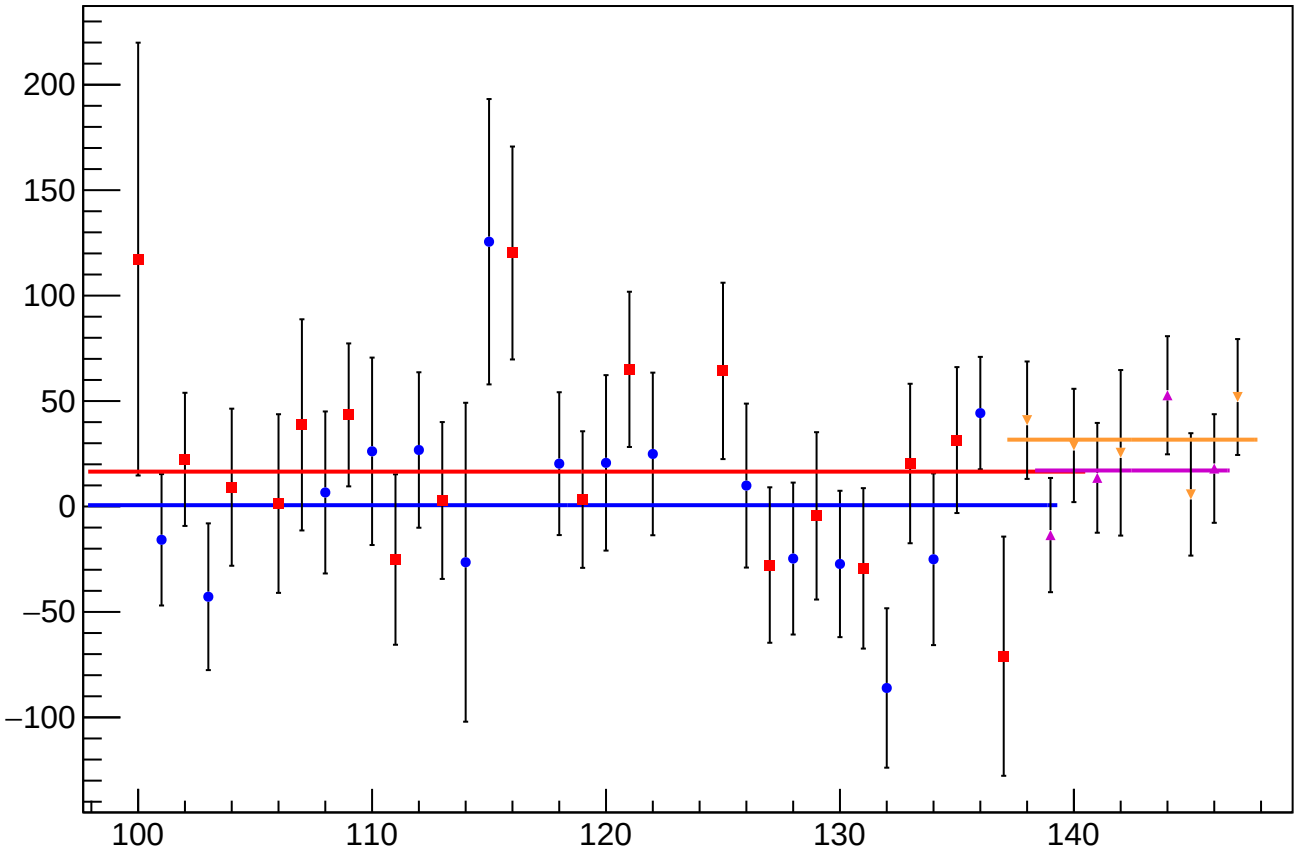
Left: 243.518+/-0.065 χ^2/NDF: 381010.5/8

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 208.401+/-0.047 χ^2/NDF:1302318.4/19

Out: 190.883+/-0.044 χ^2/NDF:2245545.7/22

All: 198.999+/-0.032 χ^2/NDF: 3622341.2/42



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 31.692+/-13.091 χ^2/NDF:1.5/4

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 17.076+/-13.338 χ^2/NDF:2.9/3

Left: 24.521+/-9.343 χ^2/NDF: 5.0/8

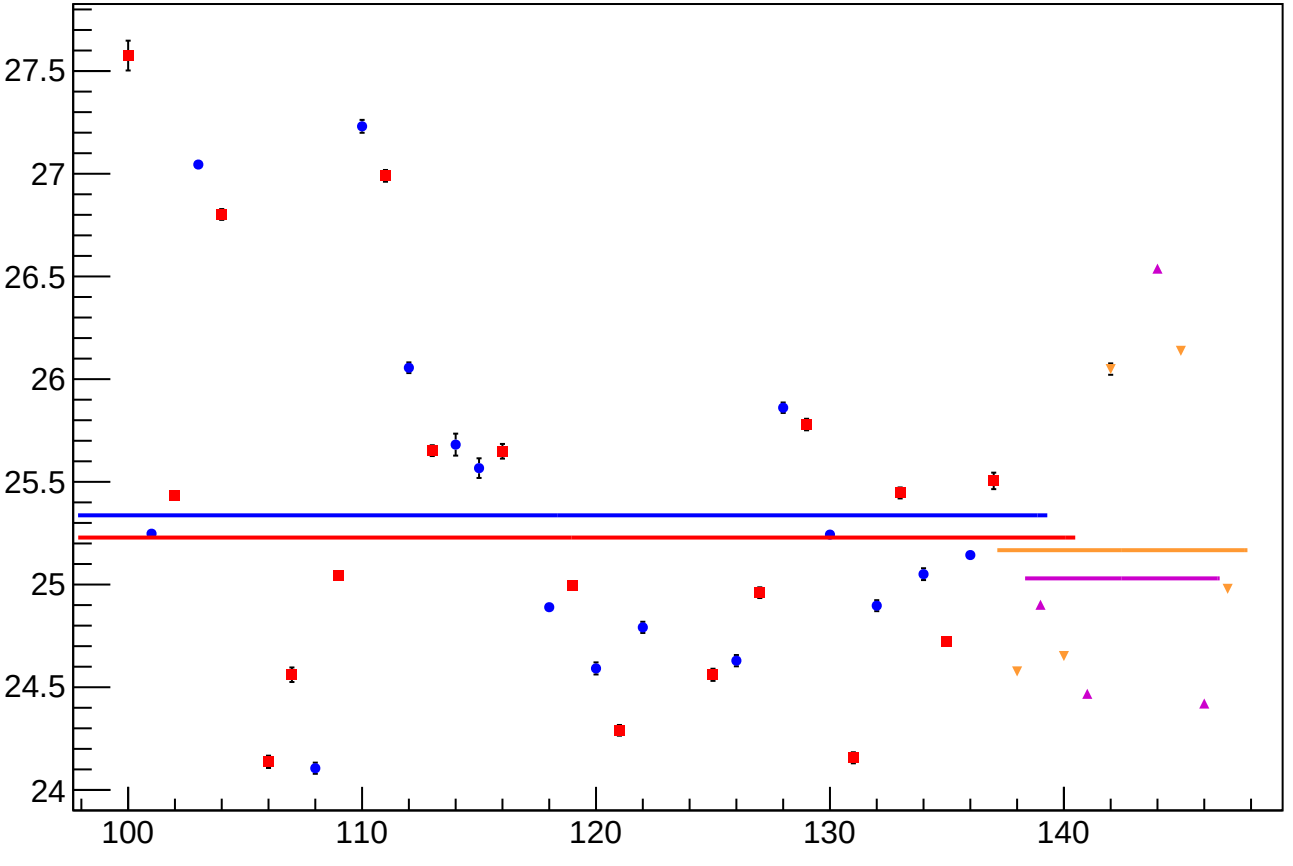
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 6.097+/-7.695 χ^2/NDF:20.7/19

Out: 21.623+/-7.585 χ^2/NDF:18.8/22

All: 13.972+/-5.402 χ^2/NDF: 41.5/42

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.167+/-0.009 χ^2/NDF:4974.4/4

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.030+/-0.009 χ^2/NDF:7894.4/3

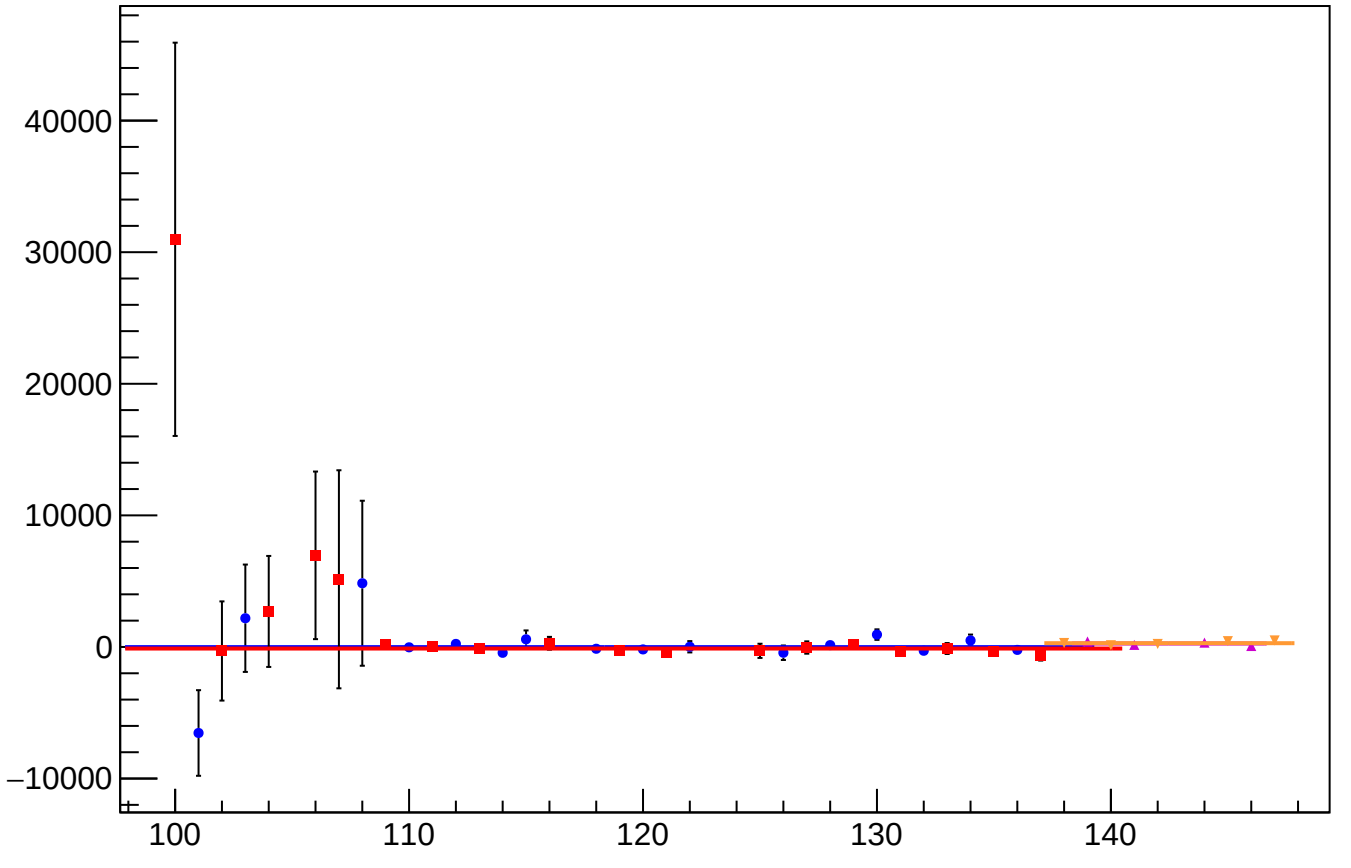
Left: 25.100+/-0.007 χ^2/NDF: 12976.7/8

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.235+/-0.005 χ^2/NDF:22916.4/19

Out: 25.208+/-0.005 χ^2/NDF:20179.8/22

All: 25.221+/-0.004 χ^2/NDF: 43108.4/42



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 286.524+/-131.960 χ^2/NDF:1.0/4

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 261.152+/-128.794 χ^2/NDF:1.0/3

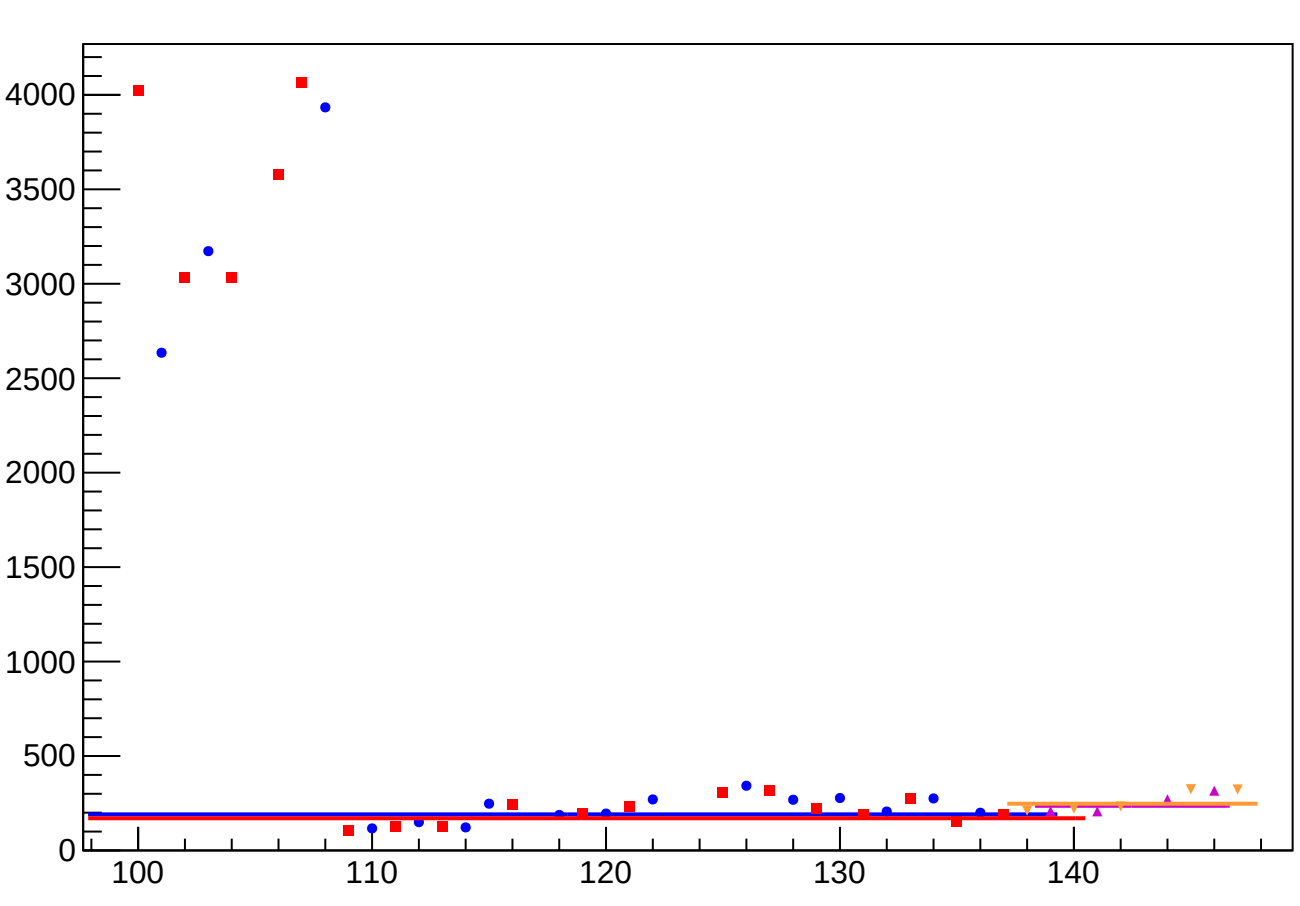
Left: 273.530+/-92.170 χ^2/NDF: 2.0/8

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 69.322+/-70.625 χ^2/NDF:22.5/19

Out: -14.236+/-67.305 χ^2/NDF:22.4/22

All: 25.533+/-48.723 χ^2/NDF: 45.6/42



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 247.401+/-0.093 χ^2/NDF:252096.3/4

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 236.461+/-0.091 χ^2/NDF:206846.3/3

Left: 241.798+/-0.065 χ^2/NDF: 465982.3/8

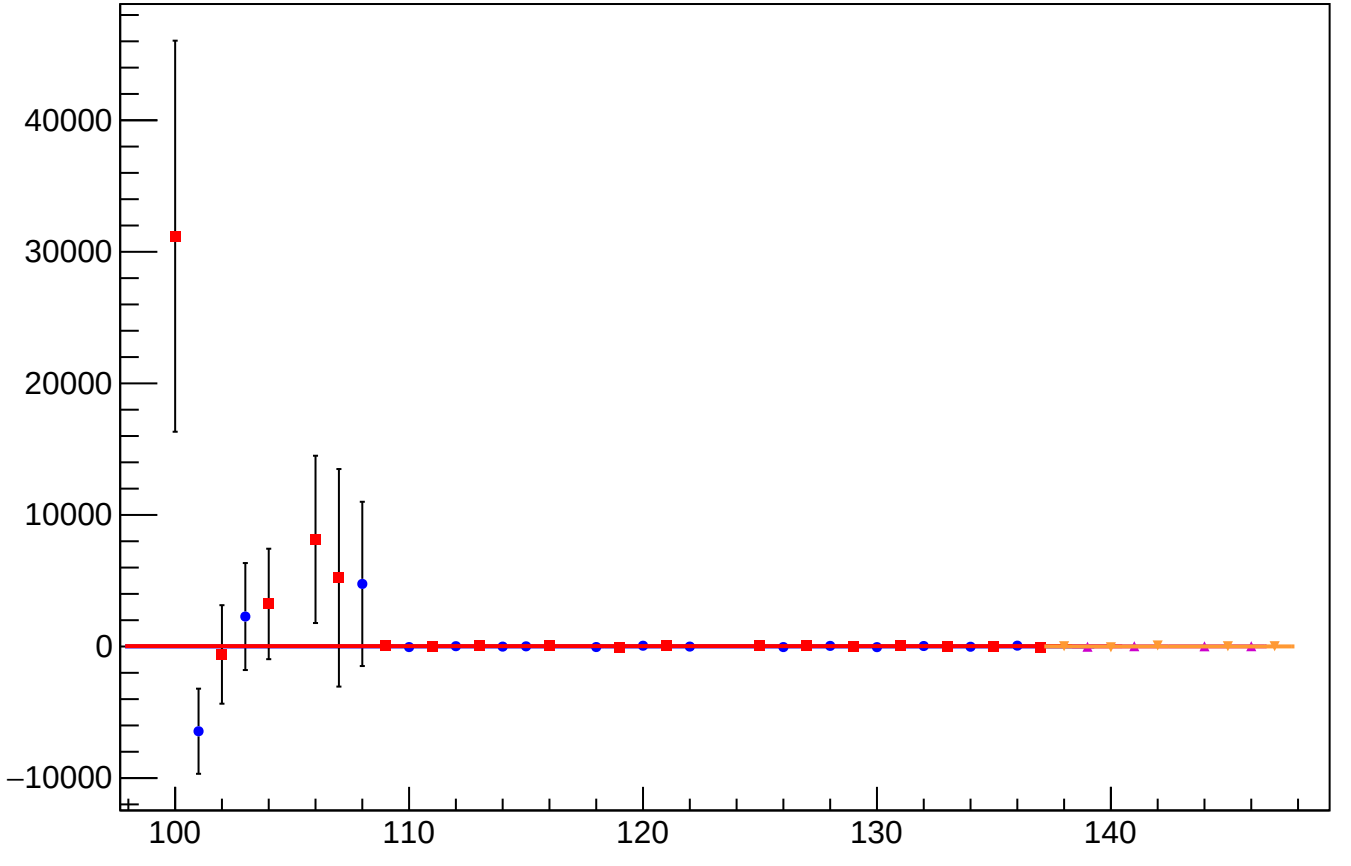
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 204.718+/-0.050 χ^2/NDF:4214517.9/19

Out: 190.500+/-0.048 χ^2/NDF:5009522.2/22

All: 197.267+/-0.034 χ^2/NDF: 9266521.6/42

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: 7.022+/-15.172 χ^2/NDF:7.5/4

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 12.373+/-15.601 χ^2/NDF:1.1/3

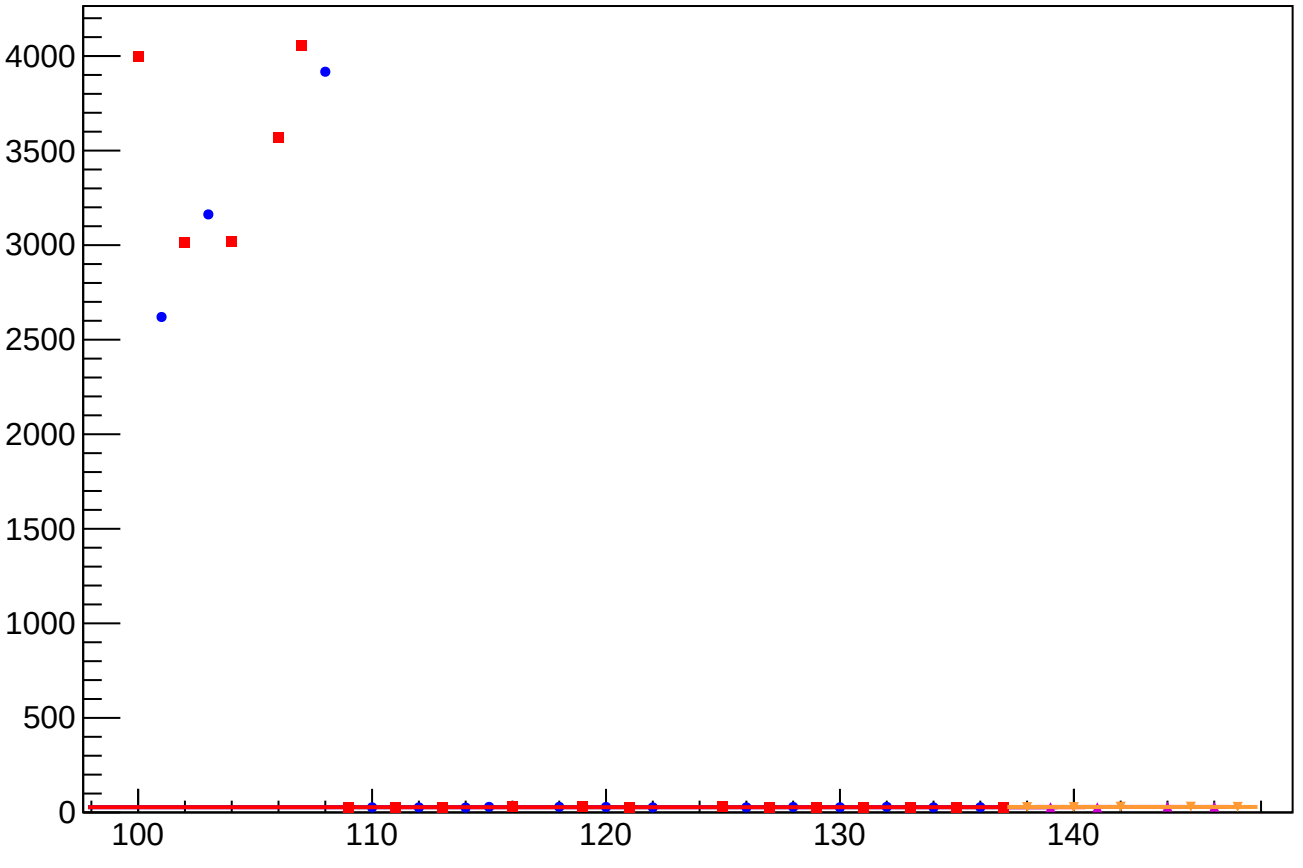
Left: 9.623+/-10.877 χ^2/NDF: 8.7/8

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 8.623+/-9.393 χ^2/NDF:19.5/19

Out: 21.535+/-9.452 χ^2/NDF:28.8/22

All: 15.038+/-6.663 χ^2/NDF: 49.3/42



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.092+/-0.011 χ^2/NDF:6905.6/4

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.212+/-0.011 χ^2/NDF:24997.6/3

Left: 29.151+/-0.008 χ^2/NDF: 31964.1/8

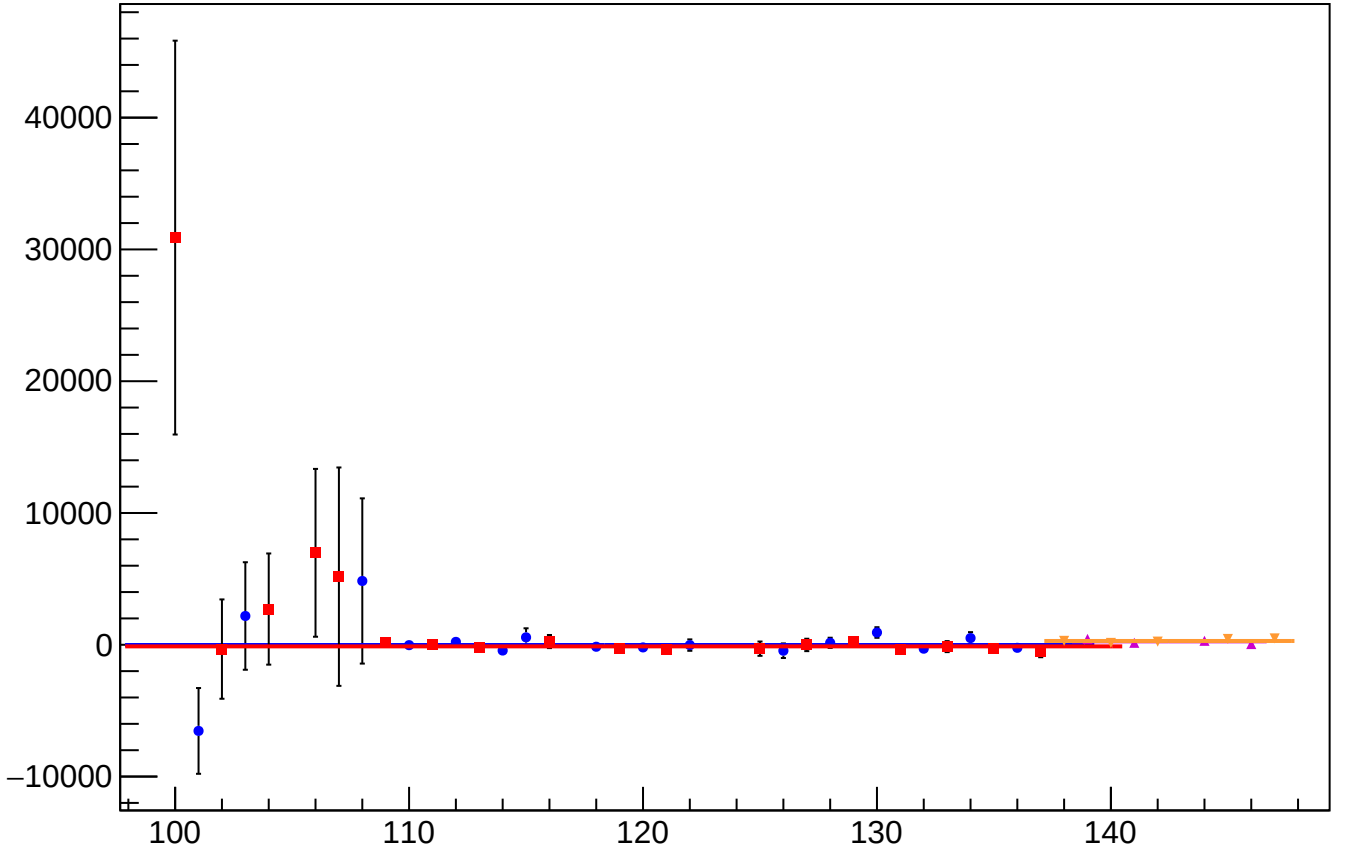
Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.328+/-0.007 χ^2/NDF:3300976.0/19

Out: 28.288+/-0.007 χ^2/NDF:3574482.1/22

All: 28.308+/-0.005 χ^2/NDF: 6875475.7/42

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 288.141+/-132.599 χ^2/NDF:0.9/4

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 260.272+/-129.456 χ^2/NDF:1.3/3

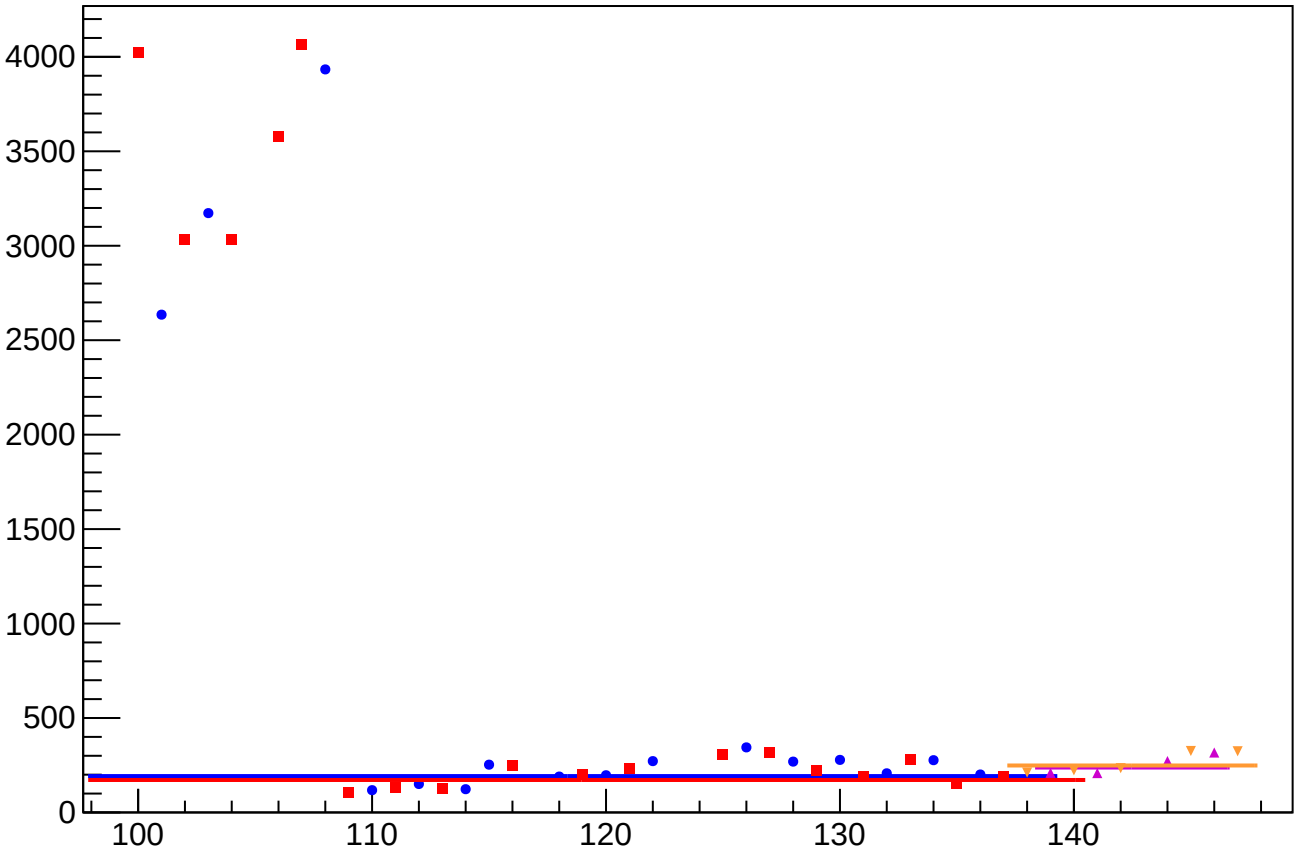
Left: 273.872+/-92.630 χ^2/NDF: 2.2/8

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 64.852+/-71.089 χ^2/NDF:22.7/19

Out: -14.533+/-67.769 χ^2/NDF:21.2/22

All: 23.262+/-49.052 χ^2/NDF: 44.5/42



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 248.626+/-0.094 χ^2/NDF:250698.3/4

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 237.732+/-0.092 χ^2/NDF:204252.9/3

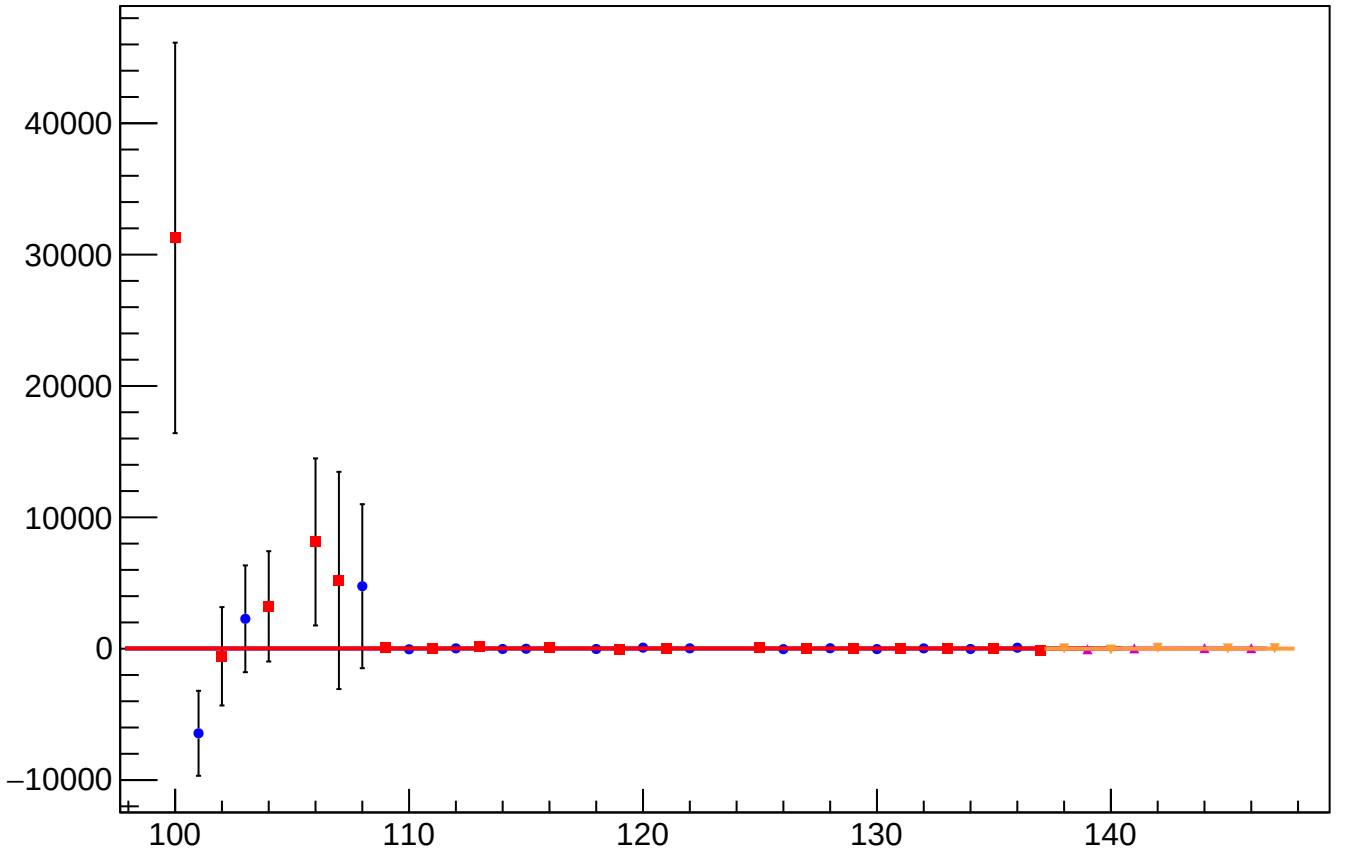
Left: 243.048+/-0.065 χ^2/NDF: 461863.9/8

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 206.182+/-0.050 χ^2/NDF:4197120.5/19

Out: 191.940+/-0.048 χ^2/NDF:4993239.7/22

All: 198.721+/-0.035 χ^2/NDF: 9232412.1/42



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 5.486+/-16.544 χ^2/NDF:6.7/4

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 18.422+/-16.965 χ^2/NDF:4.3/3

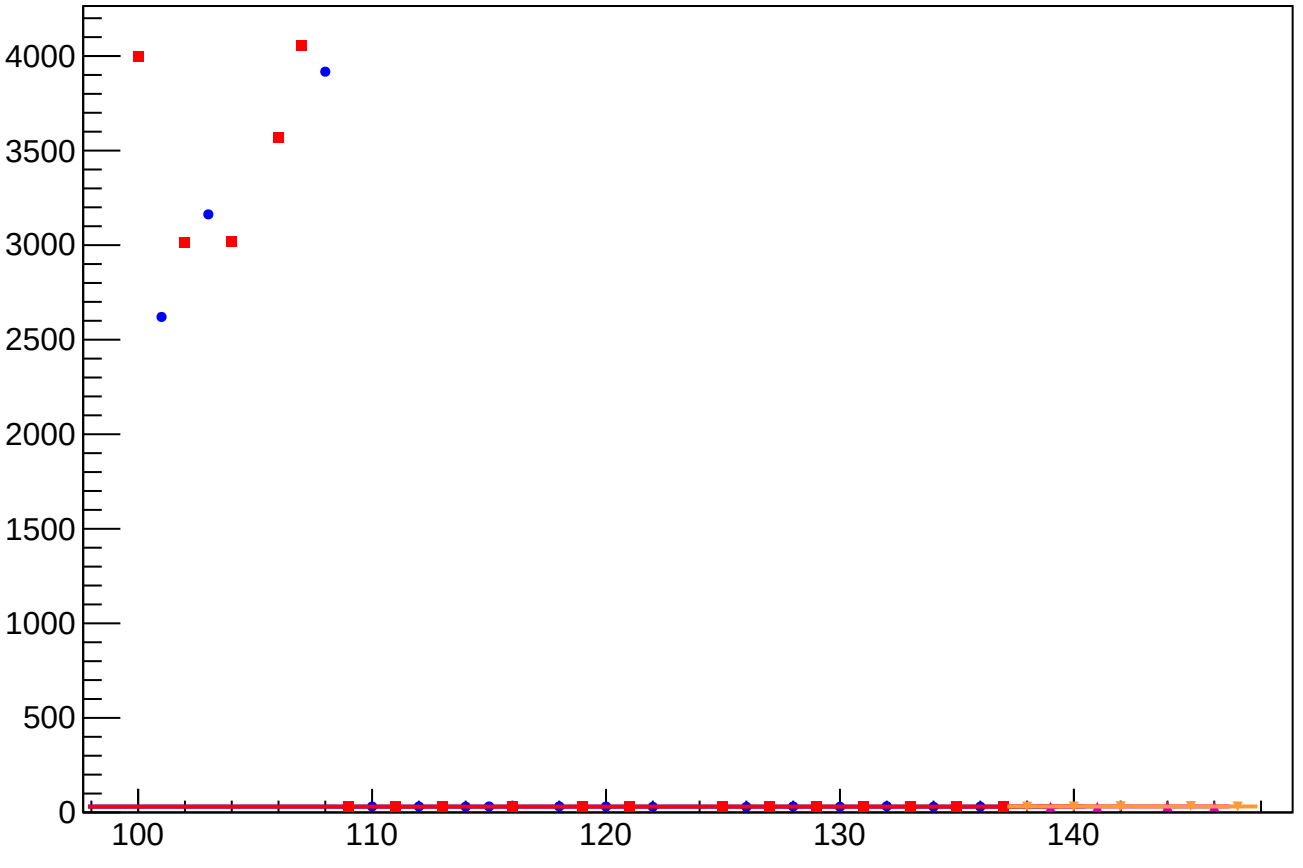
Left: 11.791+/-11.845 χ^2/NDF: 11.3/8

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 15.466+/-10.350 χ^2/NDF:19.8/19

Out: 15.412+/-10.405 χ^2/NDF:35.6/22

All: 15.439+/-7.338 χ^2/NDF: 55.5/42



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.738+/-0.012 χ^2/NDF:9277.7/4

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.803+/-0.012 χ^2/NDF:17552.1/3

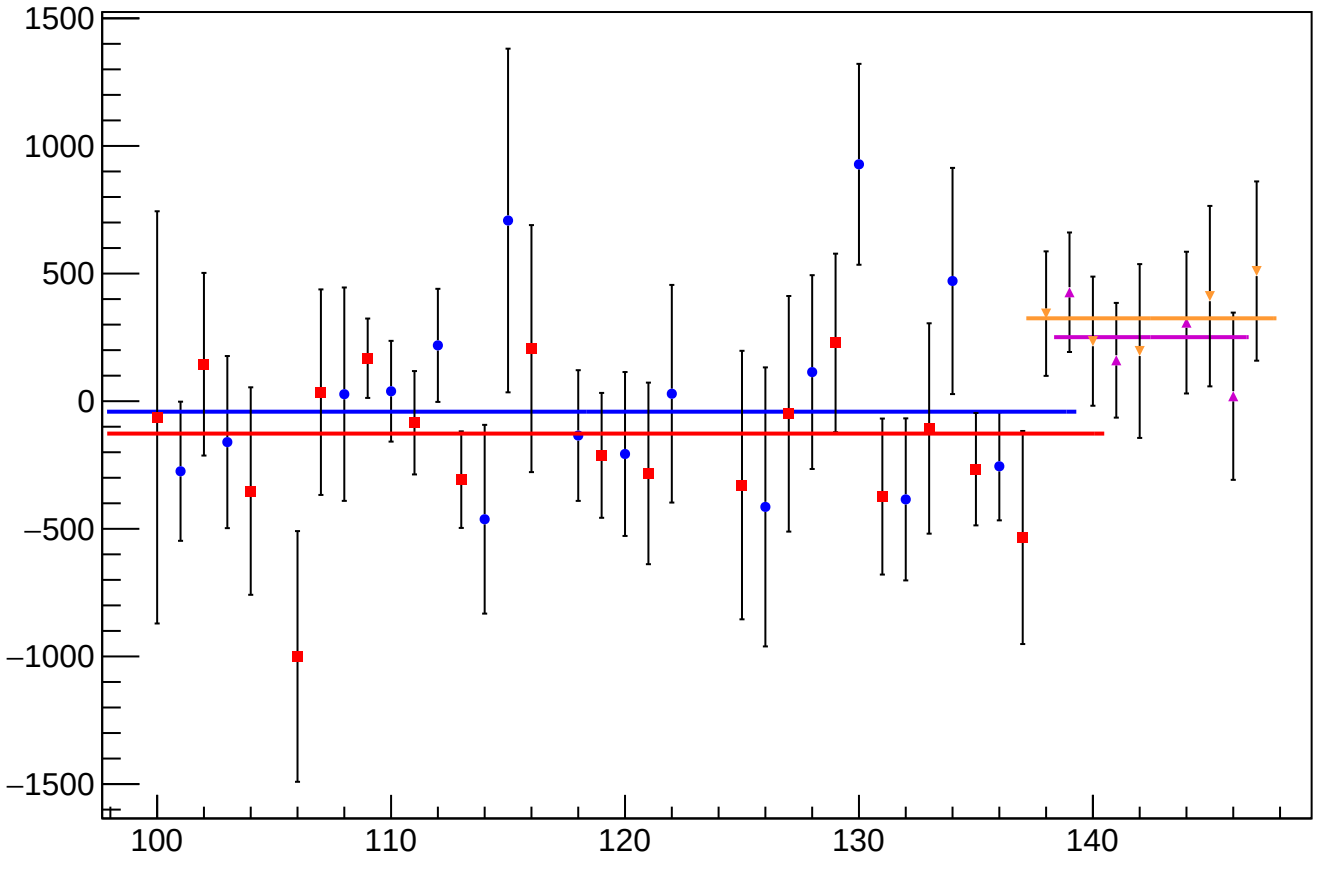
Left: 31.770+/-0.008 χ^2/NDF: 26845.2/8

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.254+/-0.007 χ^2/NDF:3273500.7/19

Out: 31.173+/-0.007 χ^2/NDF:3549086.9/22

All: 31.214+/-0.005 χ^2/NDF: 6822648.1/42



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 324.724+/-132.245 χ^2/NDF:0.6/4

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 250.890+/-128.736 χ^2/NDF:1.3/3

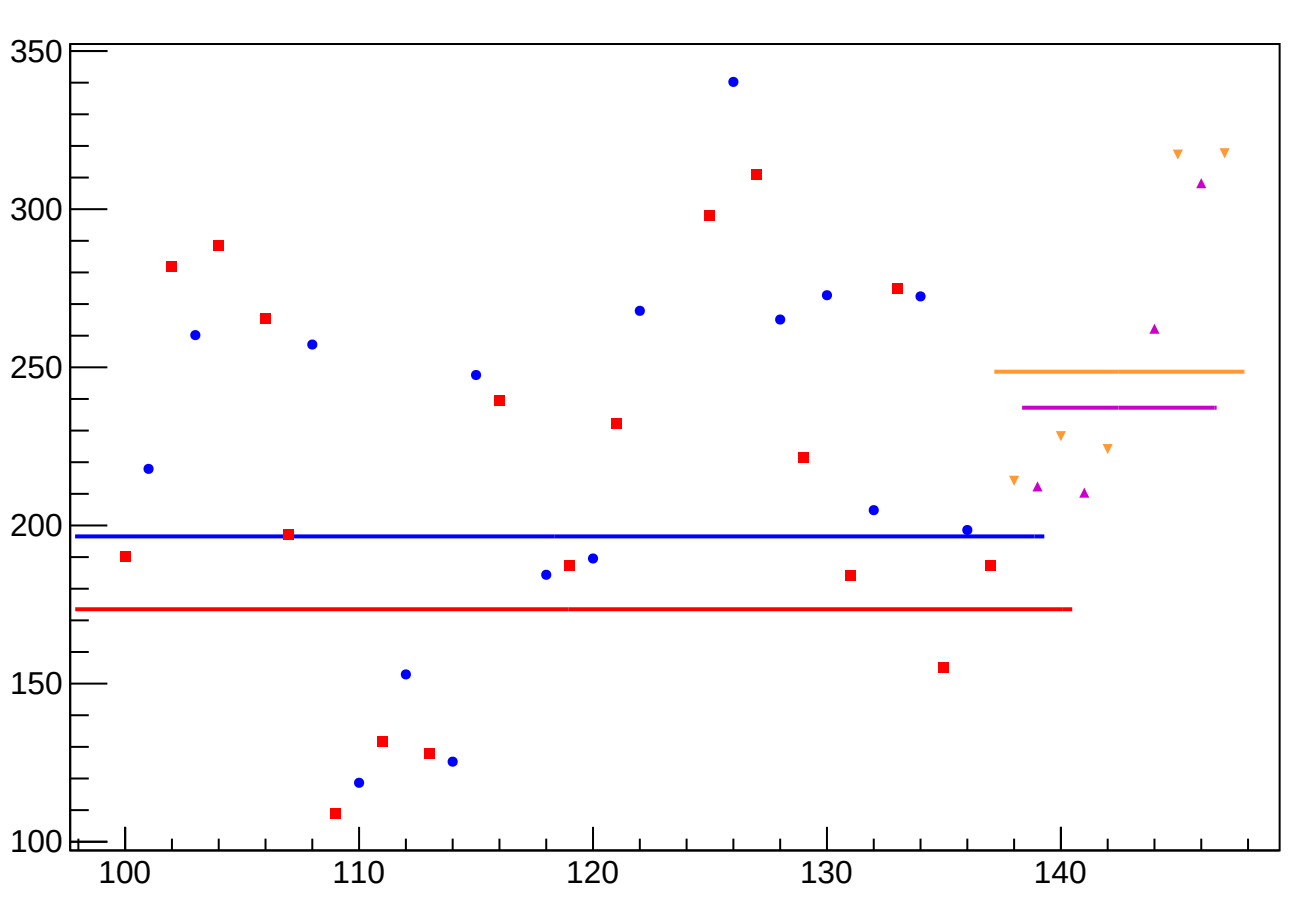
Left: 286.815+/-92.246 χ^2/NDF: 2.0/8

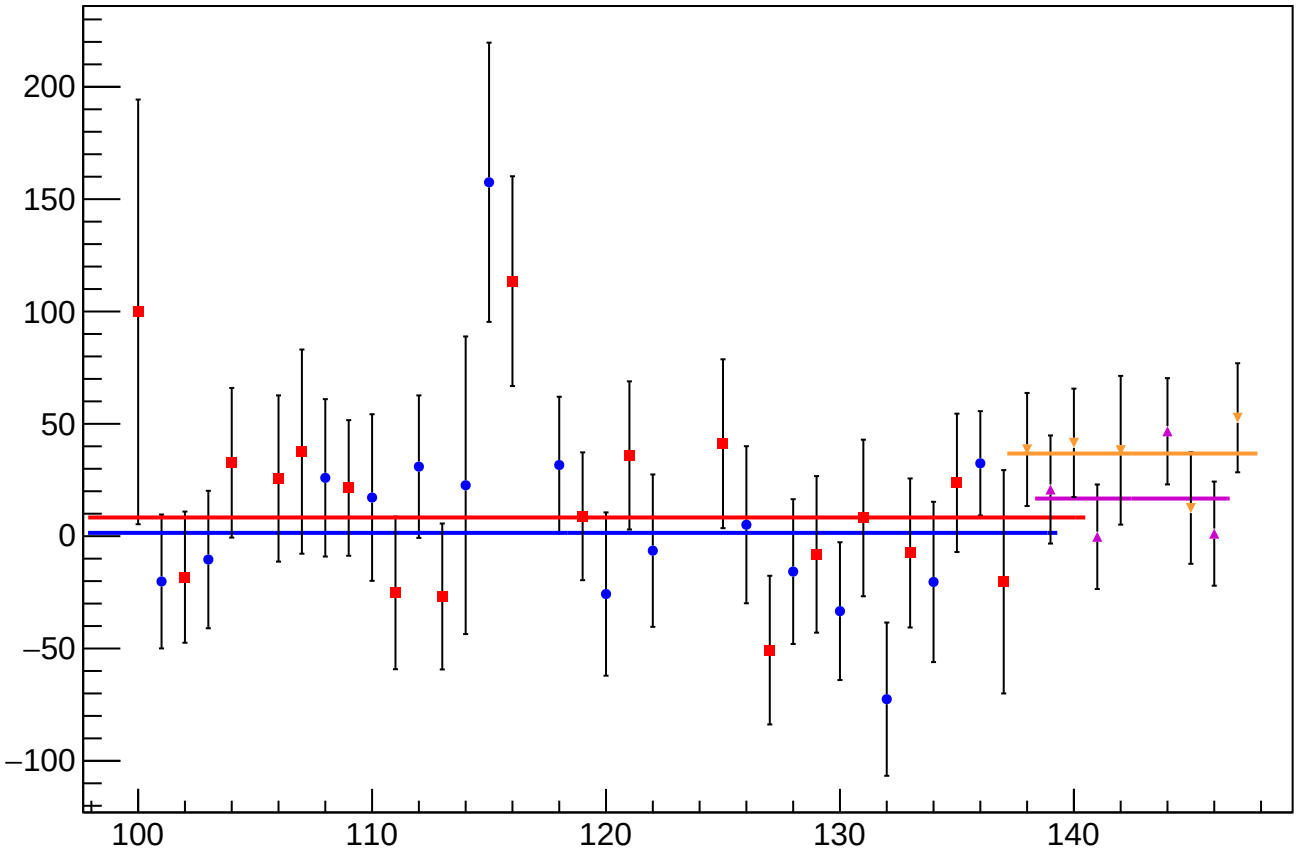
Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 36.030+/-66.169 χ^2/NDF:20.7/19

Out: -29.416+/-61.440 χ^2/NDF:22.5/22

All: 0.885+/-45.024 χ^2/NDF: 43.7/42


asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected
350
300
250
200
150
100
100
110
120
130
140
Right In: 196.542+/-0.055 χ²/NDF: 1000770.4/15
Left Out: 248.615+/-0.094 χ²/NDF:216084.5/4
Right Out: 173.509+/-0.049 χ²/NDF: 1532720.5/17
Left In: 237.231+/-0.091 χ²/NDF:161236.9/3
Left: 242.770+/-0.065 χ²/NDF: 384930.7/8
Right: 183.810+/-0.036 χ²/NDF: 2632060.1/33
In: 207.292+/-0.047 χ²/NDF:1309015.5/19
Out: 189.720+/-0.043 χ²/NDF:2254650.0/22
All: 197.856+/-0.032 χ²/NDF: 3639401.4/42



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 36.785+/-11.522 χ^2/NDF:1.4/4

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 16.748+/-11.763 χ^2/NDF:2.6/3

Left: 26.973+/-8.231 χ^2/NDF: 5.5/8

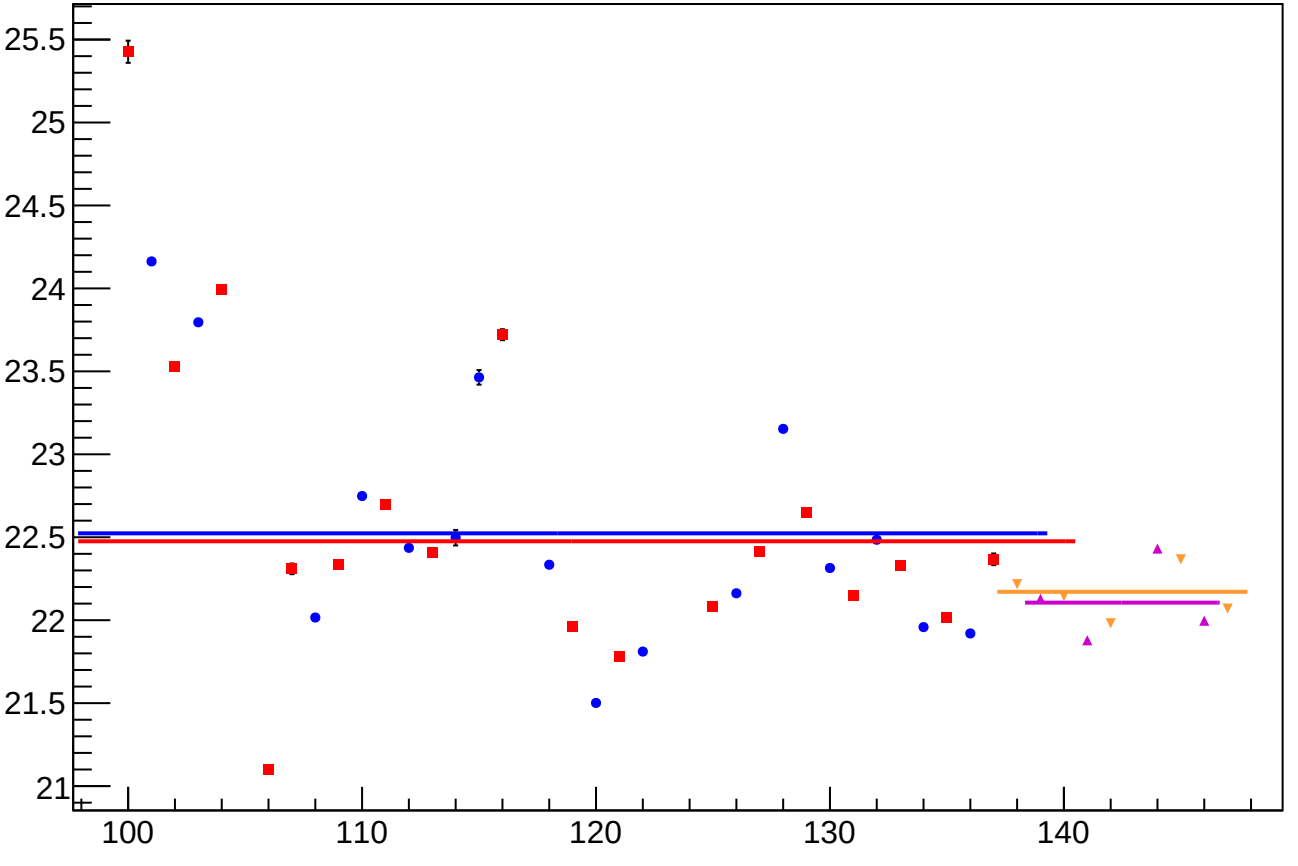
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 6.609+/-6.820 χ^2/NDF:22.4/19

Out: 18.028+/-6.727 χ^2/NDF:21.5/22

All: 12.397+/-4.789 χ^2/NDF: 45.3/42

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: 22.171+/-0.008 χ^2/NDF:234.2/4

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.106+/-0.008 χ^2/NDF:616.6/3

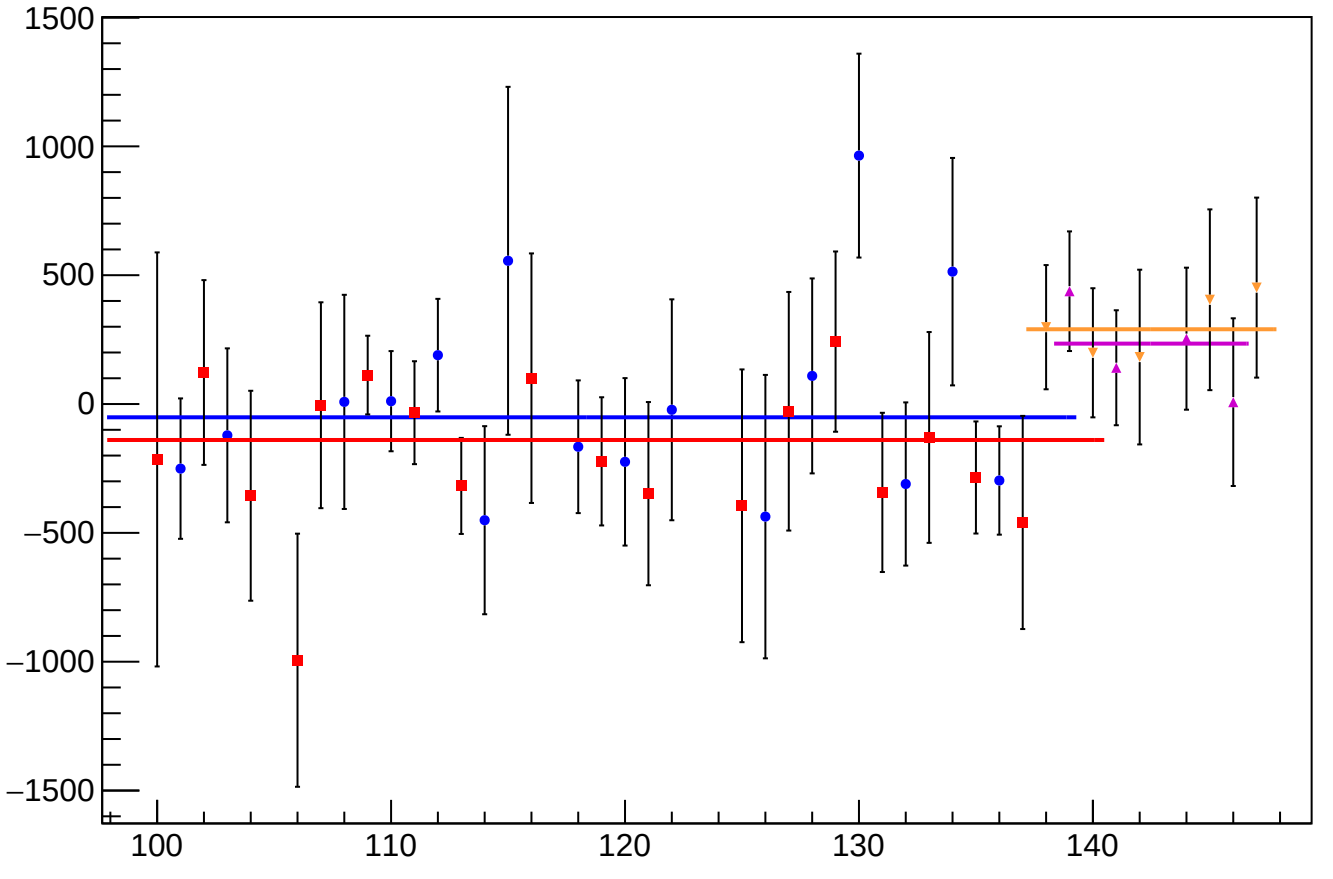
Left: 22.139+/-0.006 χ^2/NDF: 882.3/8

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.383+/-0.005 χ^2/NDF:18238.7/19

Out: 22.372+/-0.005 χ^2/NDF:16691.2/22

All: 22.377+/-0.003 χ^2/NDF: 34932.7/42



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 290.186+/-131.121 χ^2/NDF:0.6/4

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 234.435+/-127.769 χ^2/NDF:1.4/3

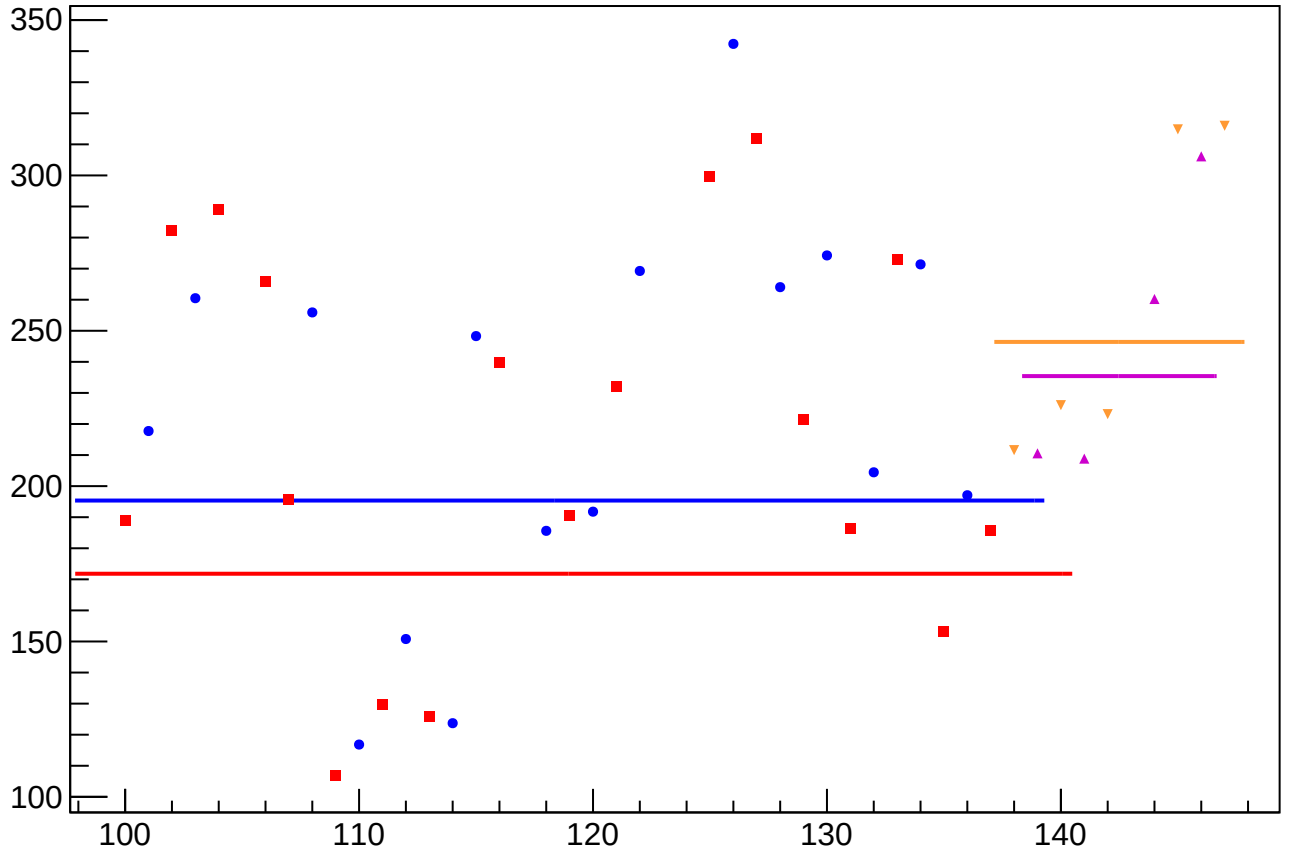
Left: 261.589+/-91.508 χ^2/NDF: 2.1/8

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 24.393+/-65.823 χ^2/NDF:20.5/19

Out: -46.588+/-60.984 χ^2/NDF:20.5/22

All: -13.802+/-44.735 χ^2/NDF: 41.6/42



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 246.416+/-0.093 χ^2/NDF:219771.8/4

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 235.413+/-0.090 χ^2/NDF:161972.0/3

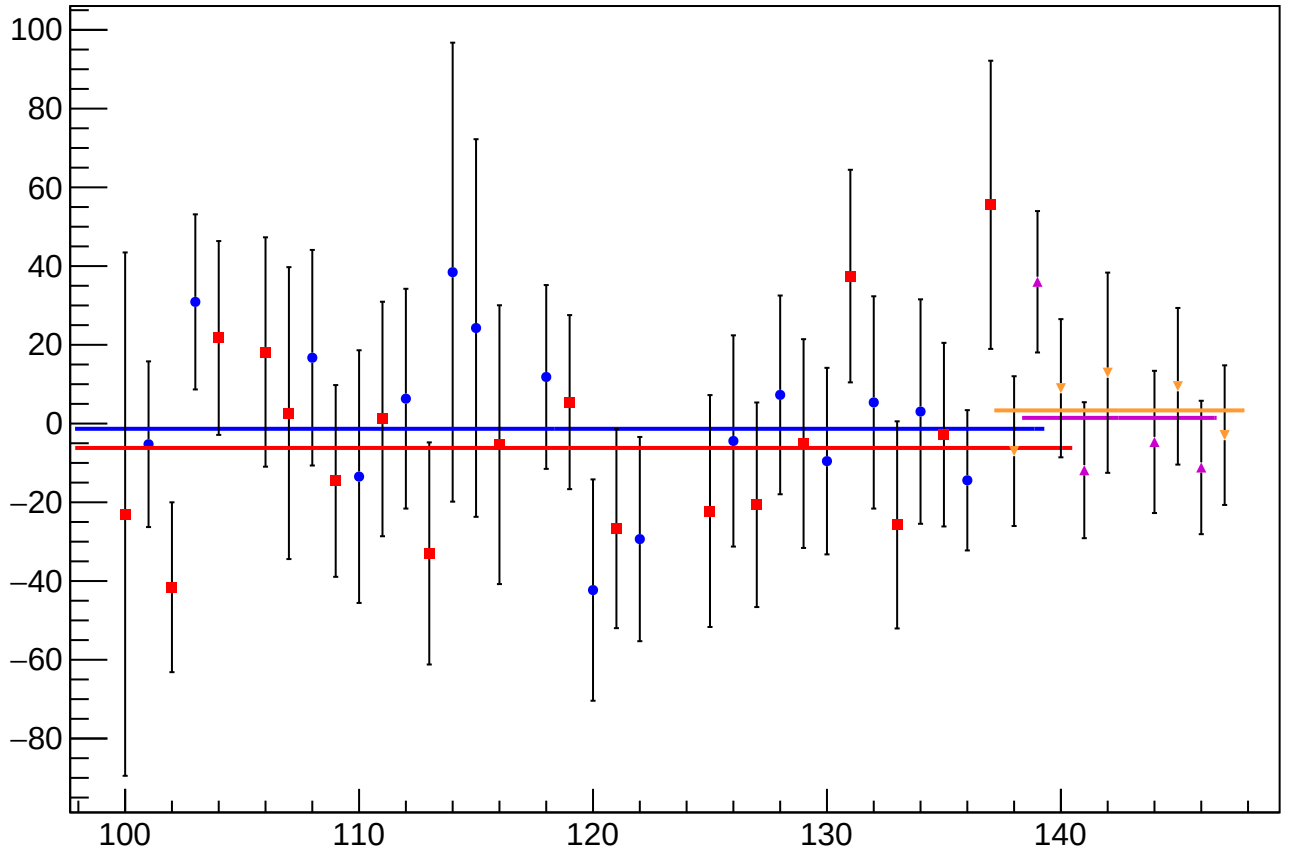
Left: 240.772+/-0.065 χ^2/NDF: 388967.7/8

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 205.991+/-0.047 χ^2/NDF:1347778.4/19

Out: 187.945+/-0.043 χ^2/NDF:2327937.9/22

All: 196.280+/-0.032 χ^2/NDF: 3756610.7/42



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.343+/-8.683 χ^2/NDF:0.8/4

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 1.444+/-8.769 χ^2/NDF:5.0/3

Left: 2.403+/-6.170 χ^2/NDF: 5.8/8

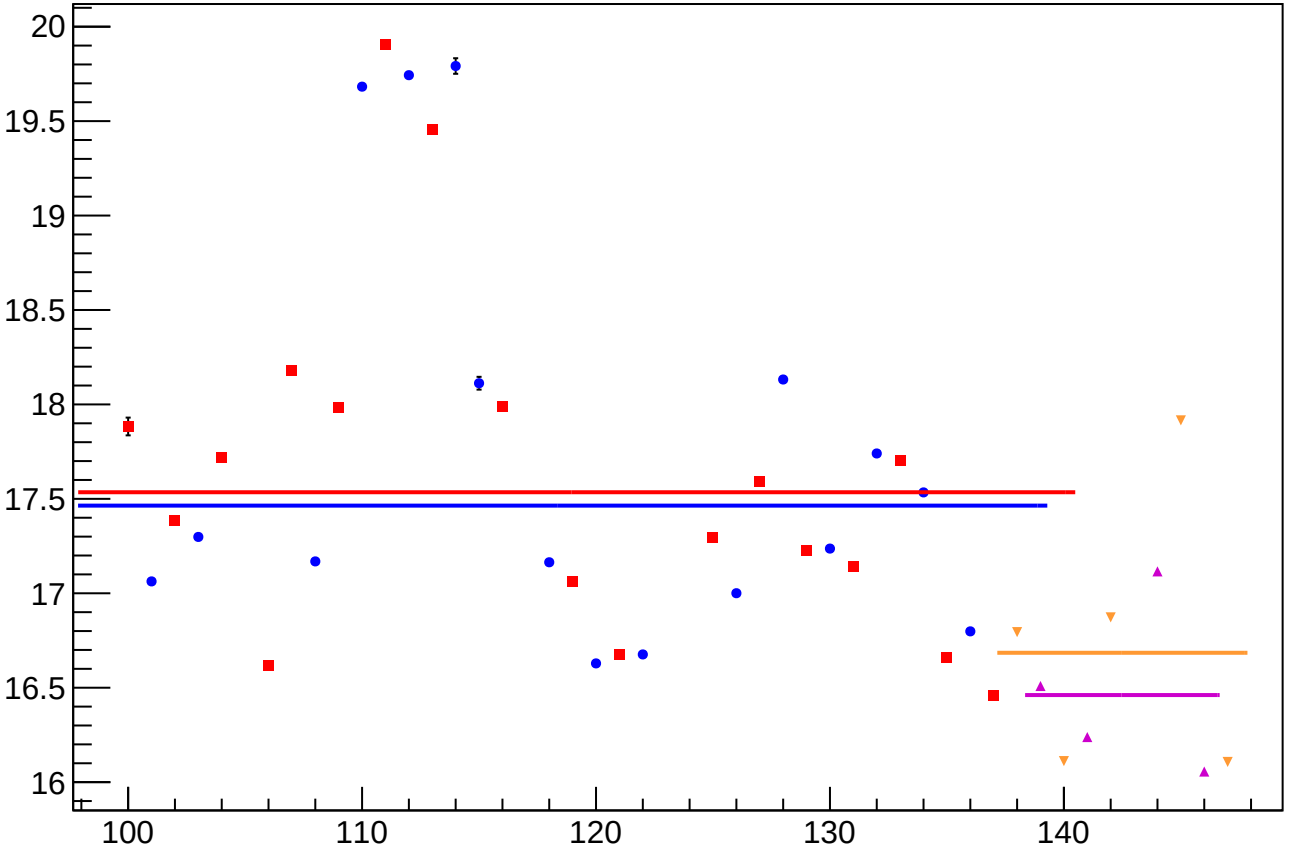
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: -0.347+/-5.221 χ^2/NDF:13.1/19

Out: -2.788+/-5.189 χ^2/NDF:15.0/22

All: -1.575+/-3.681 χ^2/NDF: 28.2/42

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: 16.685+/-0.006 χ^2/NDF:12087.7/4

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.461+/-0.006 χ^2/NDF:4117.9/3

Left: 16.574+/-0.004 χ^2/NDF: 16863.6/8

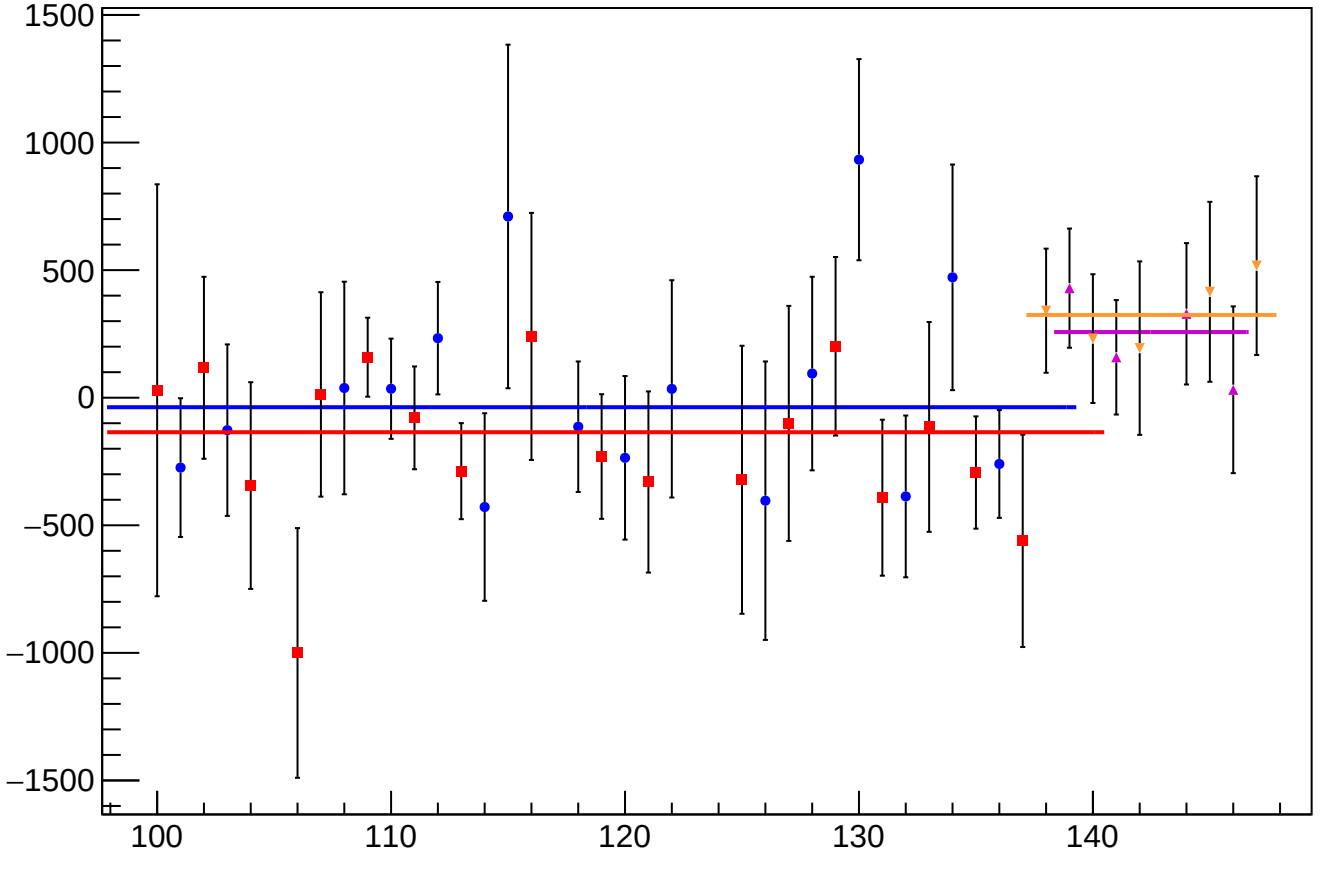
Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 17.109+/-0.004 χ^2/NDF:57657.9/19

Out: 17.231+/-0.004 χ^2/NDF:58882.9/22

All: 17.170+/-0.003 χ^2/NDF: 117097.2/42

asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 324.375+/-131.927 χ^2/NDF:0.7/4

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 257.340+/-128.457 χ^2/NDF:1.3/3

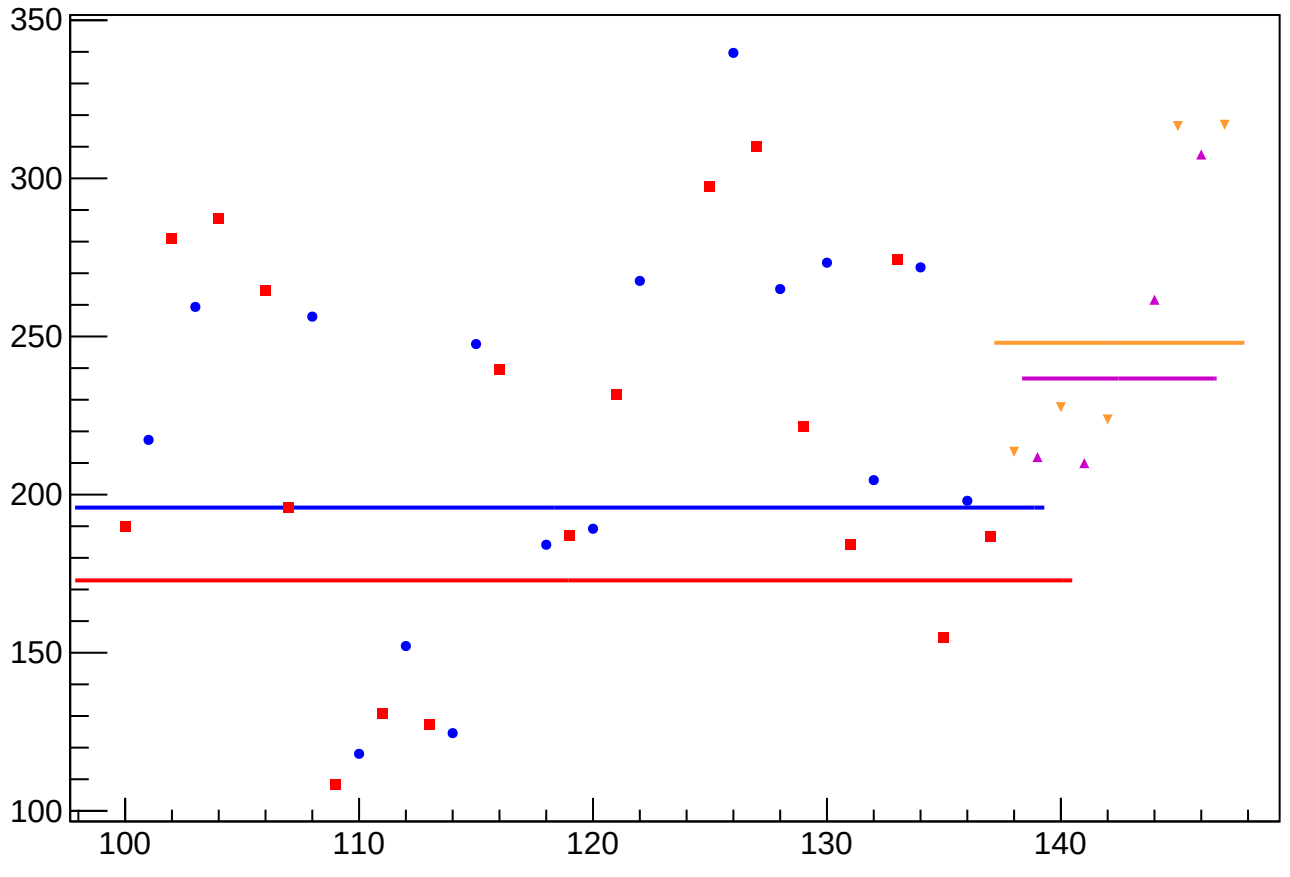
Left: 289.964+/-92.035 χ^2/NDF: 2.1/8

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 40.499+/-65.990 χ^2/NDF:20.8/19

Out: -36.195+/-61.252 χ^2/NDF:23.0/22

All: -0.700+/-44.893 χ^2/NDF: 44.5/42



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 248.013+/-0.093 χ^2/NDF:216229.4/4

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 236.715+/-0.091 χ^2/NDF:161156.1/3

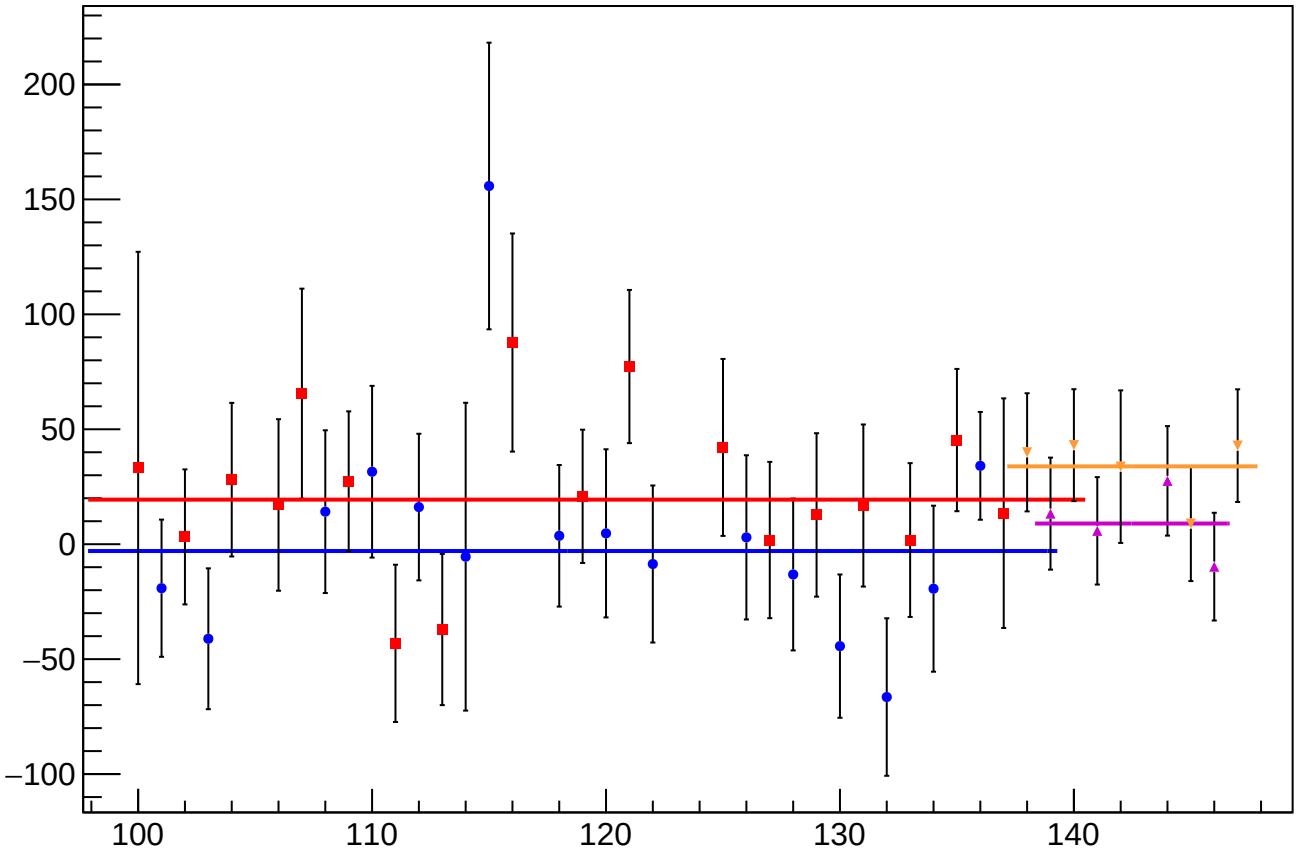
Left: 242.214+/-0.065 χ^2/NDF: 384914.5/8

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 206.671+/-0.047 χ^2/NDF:1320798.9/19

Out: 189.070+/-0.043 χ^2/NDF:2268430.5/22

All: 197.216+/-0.032 χ^2/NDF: 3665659.3/42



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 33.858+/-11.646 χ^2/NDF:1.3/4

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 8.995+/-11.869 χ^2/NDF:1.3/3

Left: 21.663+/-8.312 χ^2/NDF: 4.9/8

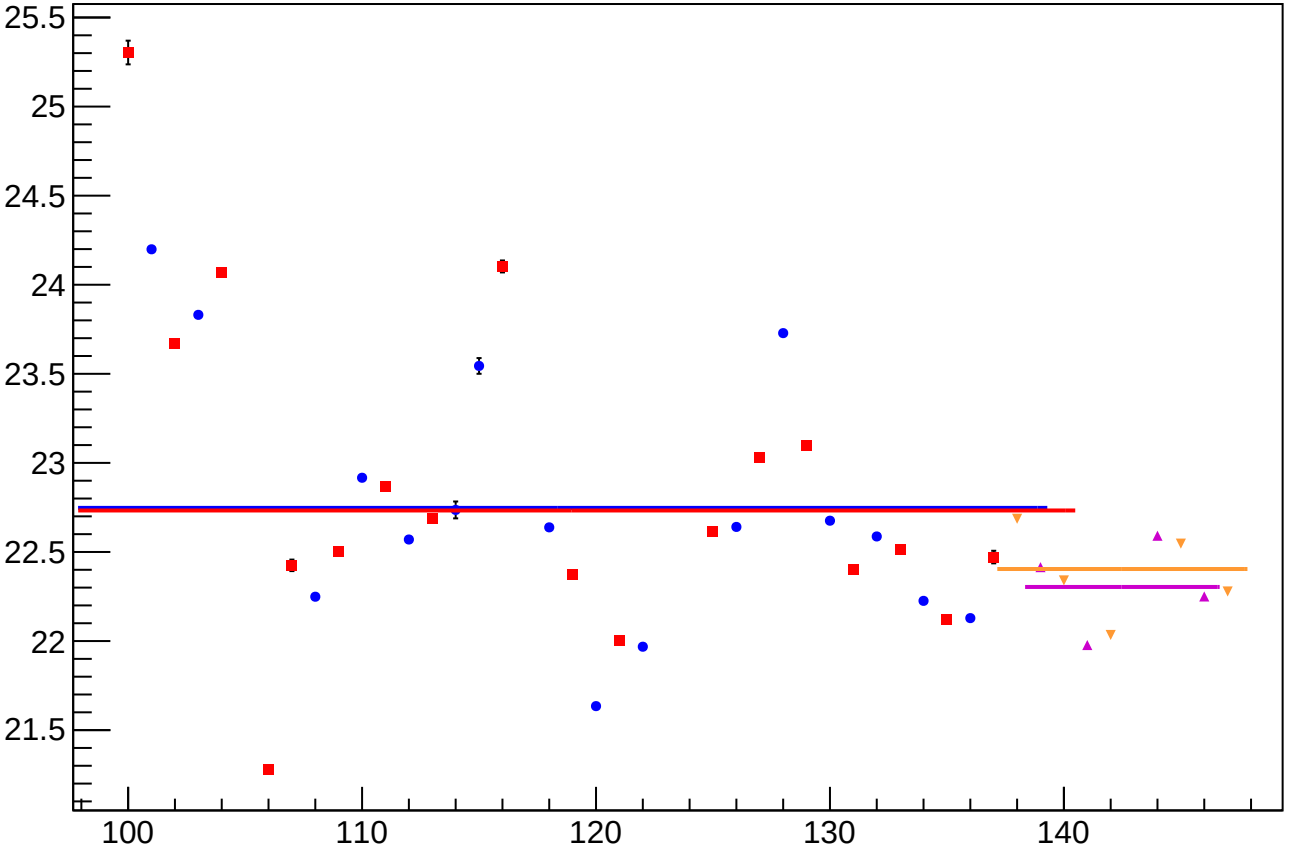
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 1.059+/-6.886 χ^2/NDF:19.9/19

Out: 24.325+/-6.803 χ^2/NDF:16.9/22

All: 12.833+/-4.839 χ^2/NDF: 42.5/42

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: 22.404+/-0.008 χ^2/NDF:621.6/4

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.304+/-0.008 χ^2/NDF:732.6/3

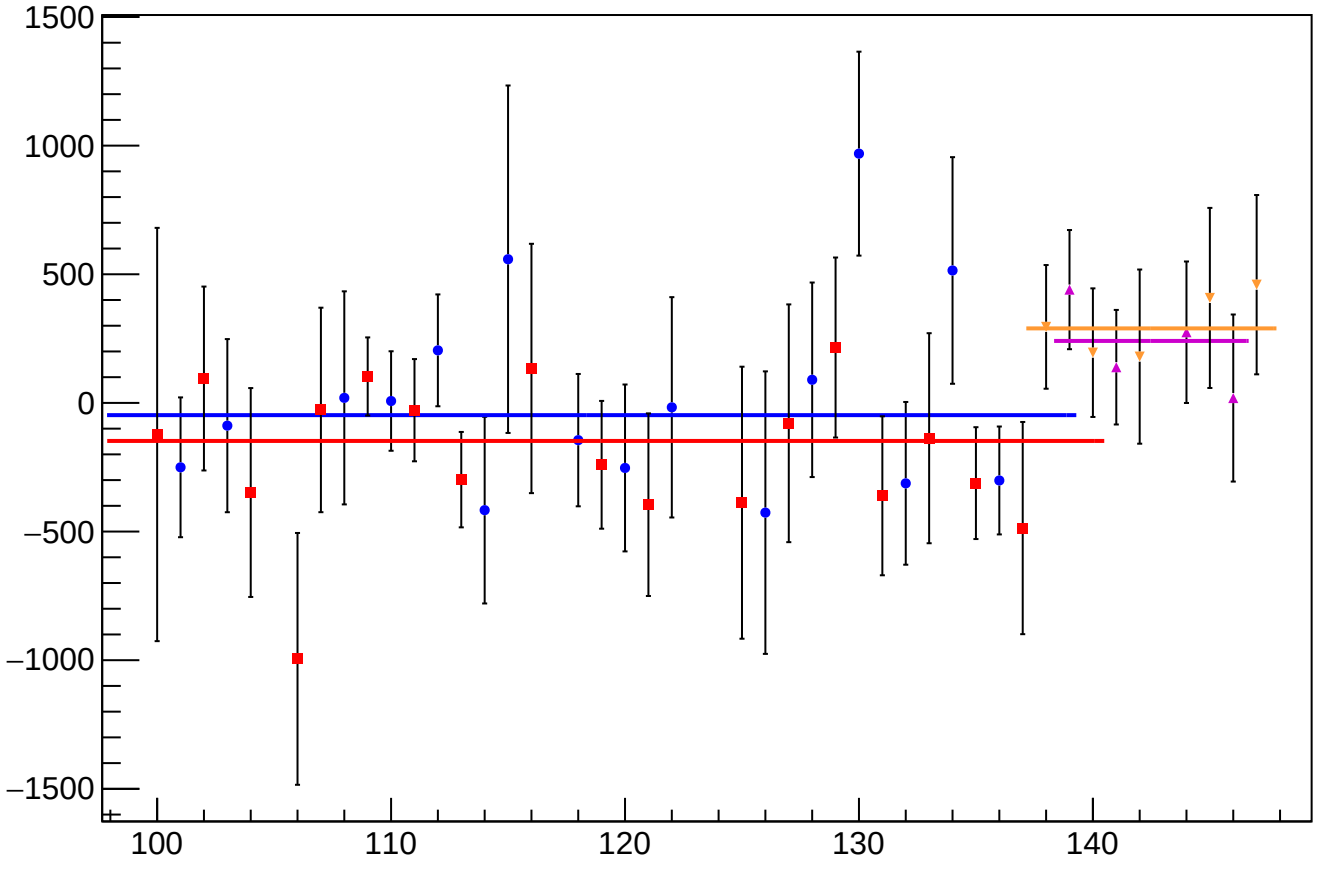
Left: 22.355+/-0.006 χ^2/NDF: 1427.7/8

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.598+/-0.005 χ^2/NDF:17210.9/19

Out: 22.621+/-0.005 χ^2/NDF:16059.6/22

All: 22.610+/-0.003 χ^2/NDF: 33281.6/42



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 289.630+/-130.802 χ^2/NDF:0.6/4

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 240.893+/-127.488 χ^2/NDF:1.4/3

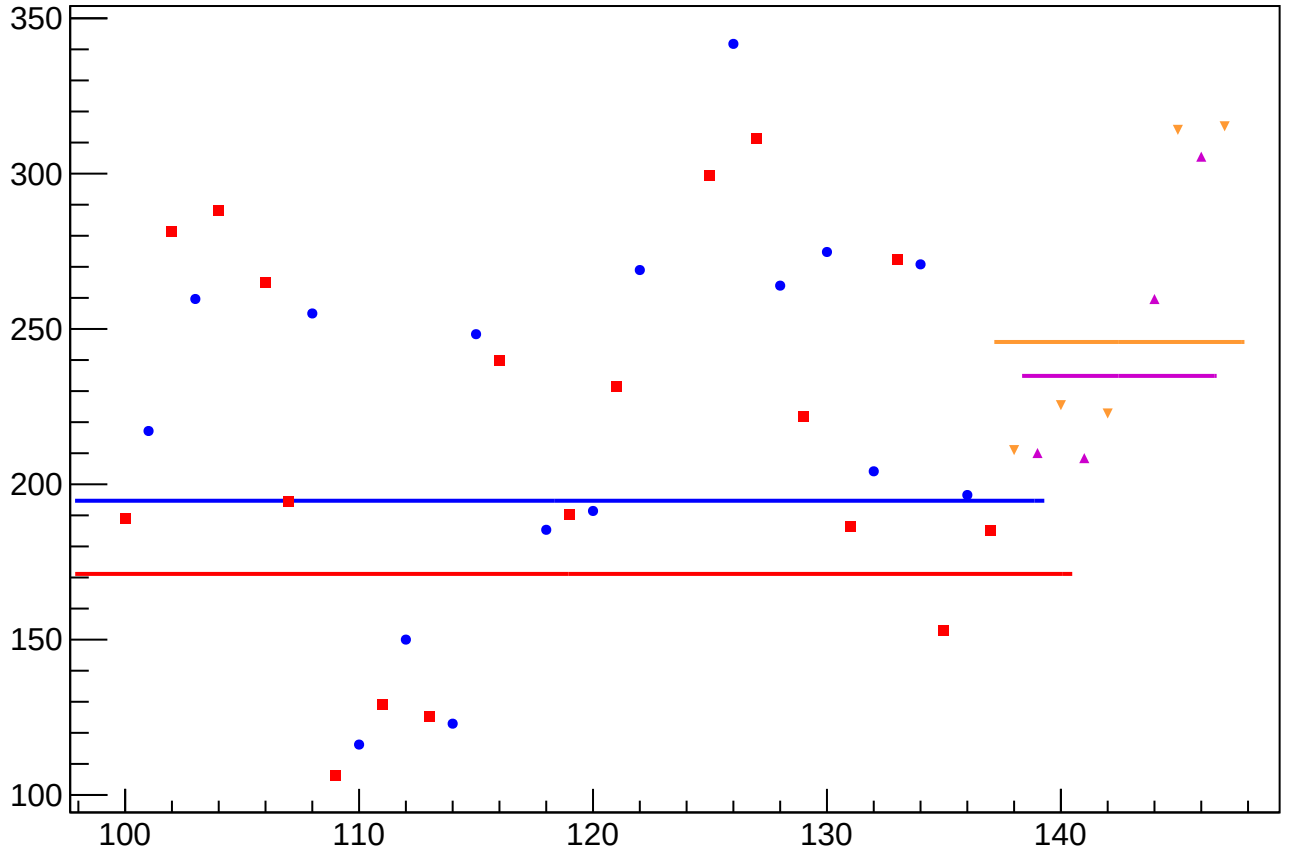
Left: 264.636+/-91.297 χ^2/NDF: 2.1/8

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 28.938+/-65.641 χ^2/NDF:20.6/19

Out: -53.318+/-60.793 χ^2/NDF:20.9/22

All: -15.340+/-44.603 χ^2/NDF: 42.3/42



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 245.813+/-0.092 χ^2/NDF:219936.3/4

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 234.895+/-0.090 χ^2/NDF:161902.2/3

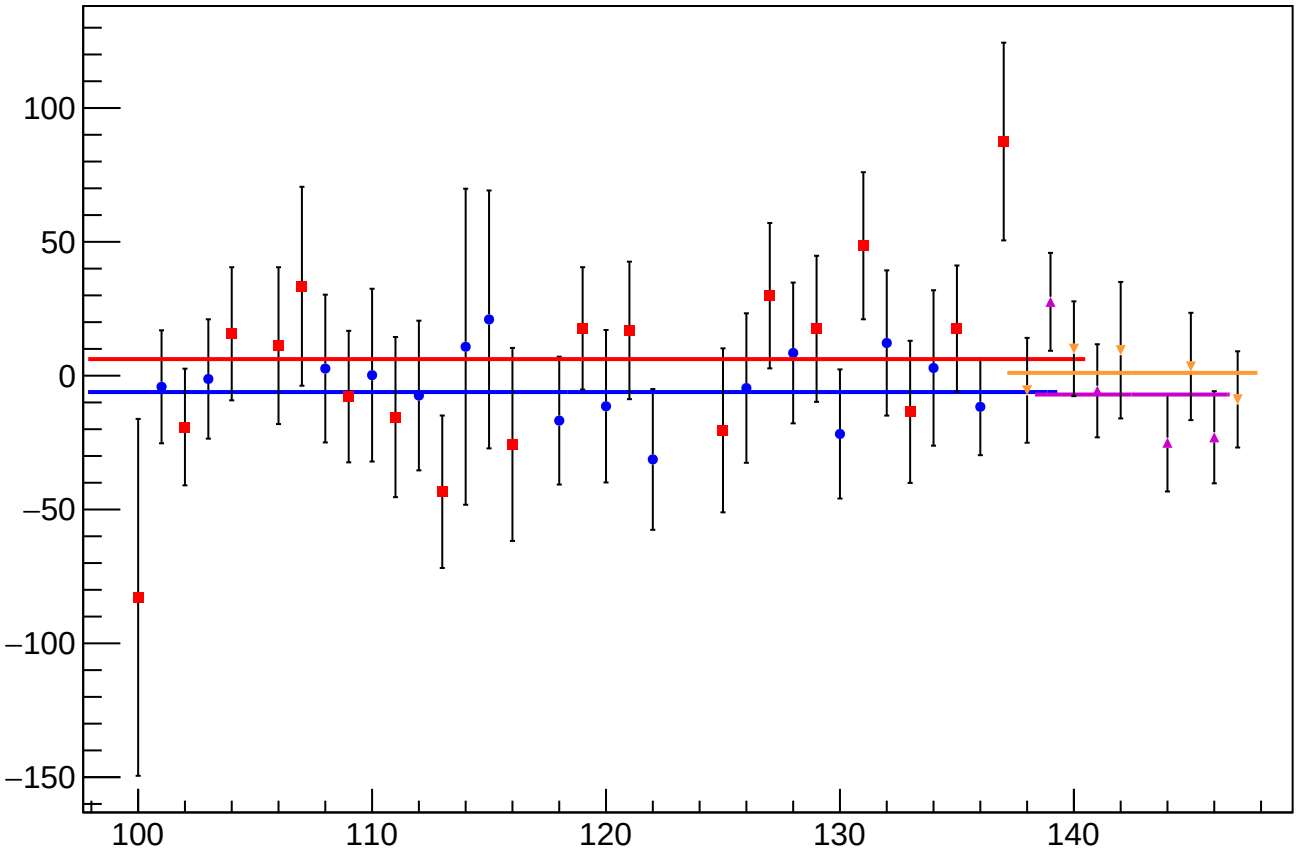
Left: 240.214+/-0.065 χ^2/NDF: 388985.4/8

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 205.362+/-0.046 χ^2/NDF:1360234.6/19

Out: 187.283+/-0.043 χ^2/NDF:2342670.7/22

All: 195.630+/-0.032 χ^2/NDF: 3784565.0/42



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.052+/-8.800 χ^2/NDF:0.8/4

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: -7.041+/-8.878 χ^2/NDF:5.4/3

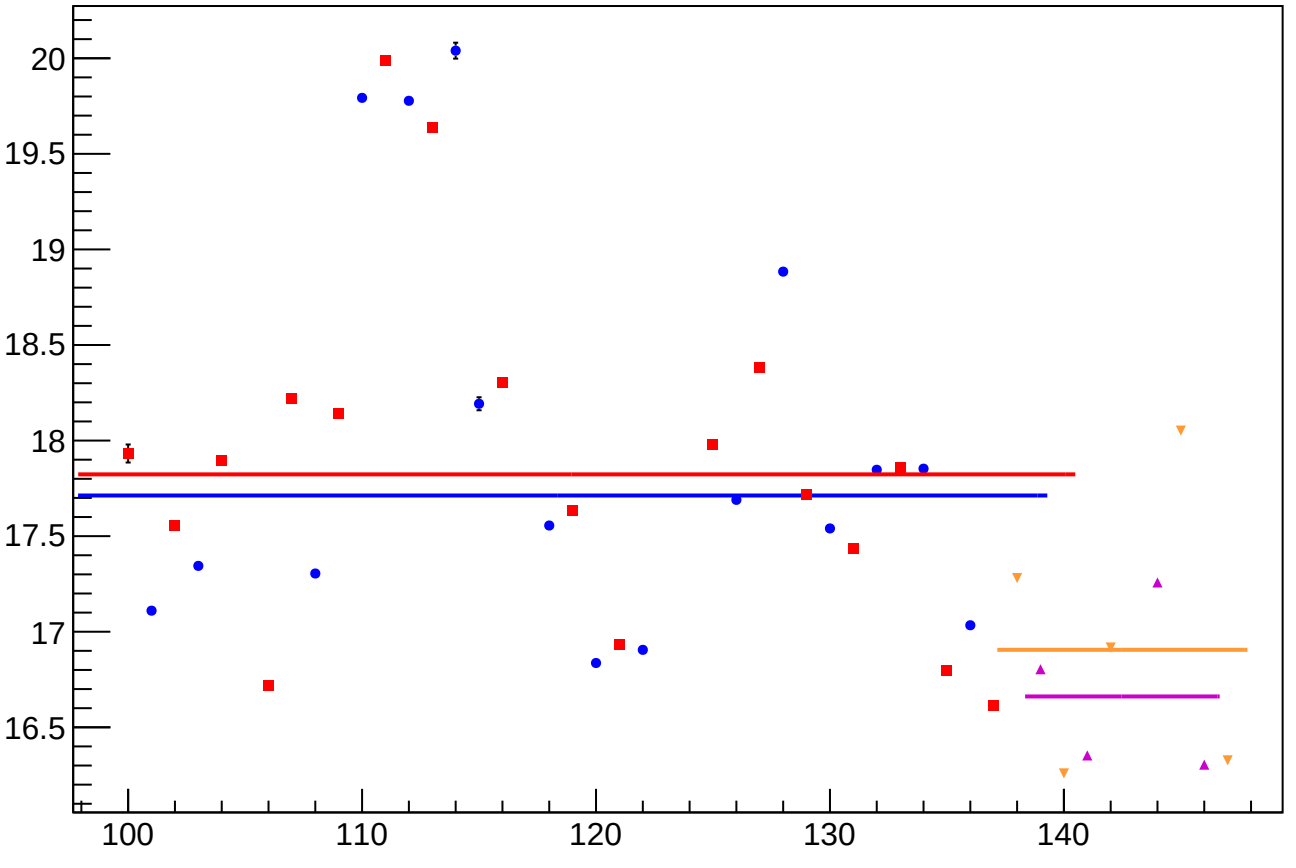
Left: -2.959+/-6.250 χ^2/NDF: 6.6/8

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -6.447+/-5.293 χ^2/NDF:8.6/19

Out: 4.350+/-5.270 χ^2/NDF:19.6/22

All: -1.025+/-3.734 χ^2/NDF: 30.3/42



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.905+/-0.006 χ^2/NDF:12012.1/4

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.661+/-0.006 χ^2/NDF:3754.8/3

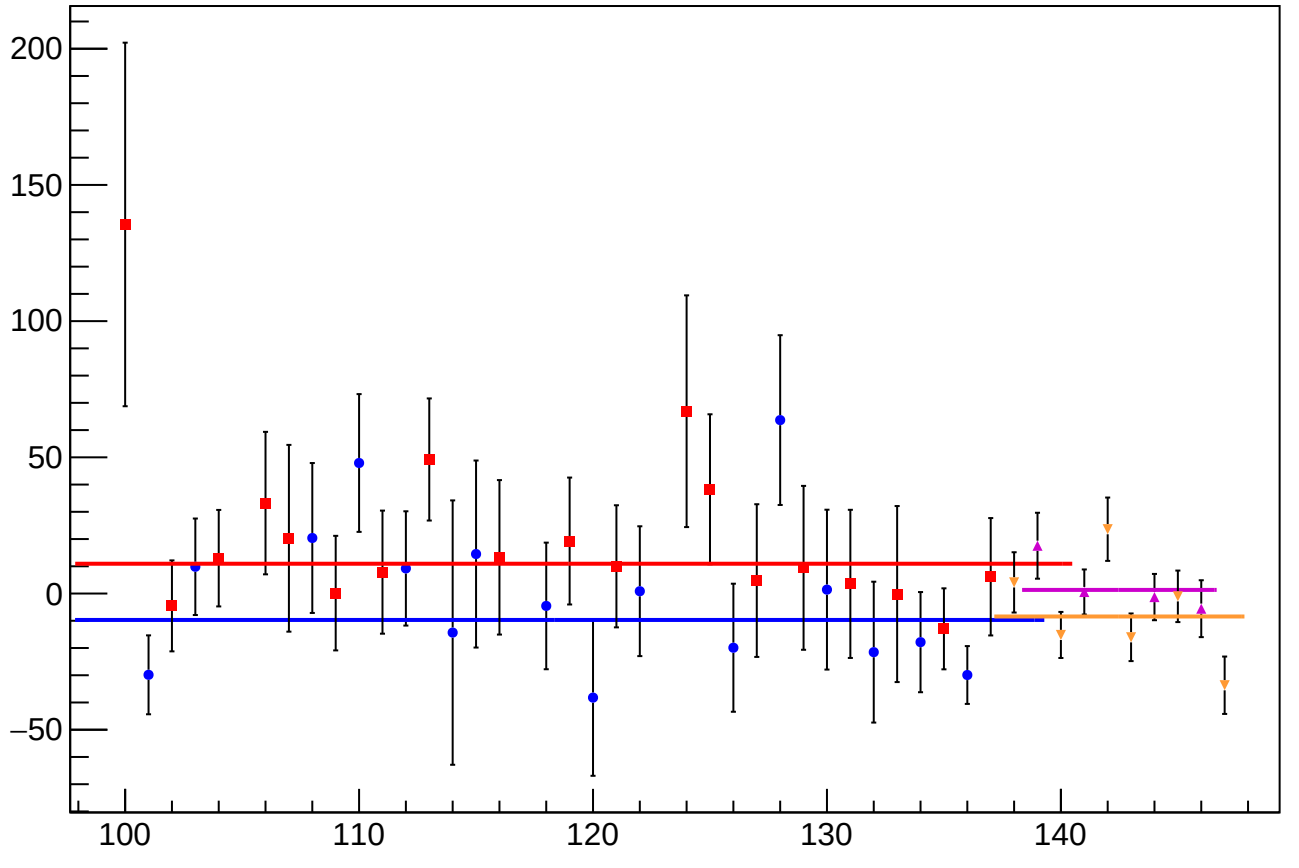
Left: 16.784+/-0.004 χ^2/NDF: 16529.0/8

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.339+/-0.004 χ^2/NDF:57815.9/19

Out: 17.494+/-0.004 χ^2/NDF:58469.3/22

All: 17.417+/-0.003 χ^2/NDF: 117146.7/42


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
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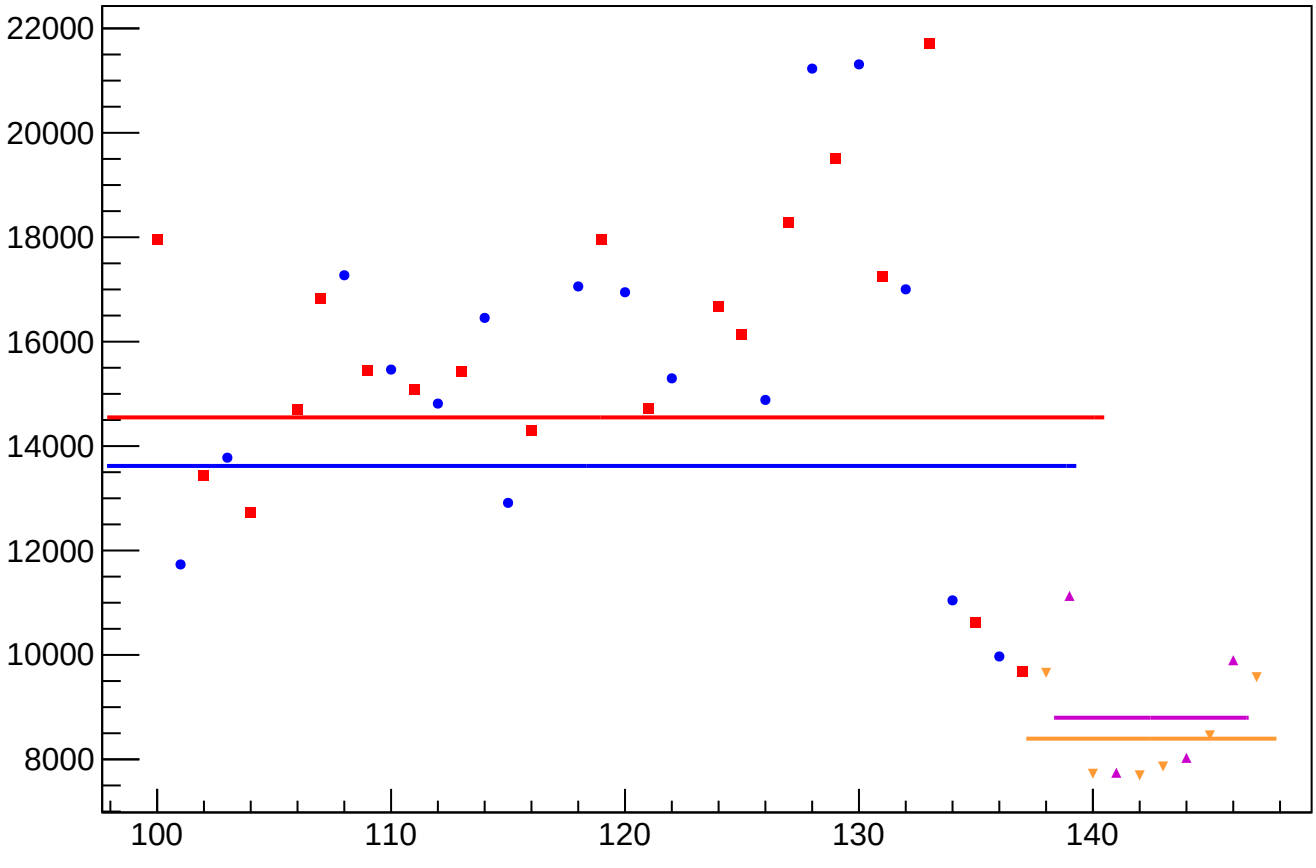
50
0
−50
100
110
120
130
140
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -8.430+/-3.989 χ²/NDF:16.6/5
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 1.328+/-4.742 χ²/NDF:2.3/3
Left: -4.387+/-3.053 χ²/NDF: 21.5/9
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -3.647+/-3.514 χ²/NDF:26.8/19
Out: -1.651+/-3.216 χ²/NDF:39.0/24
All: -2.561+/-2.372 χ²/NDF: 65.9/44



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8396.420+/-2.821 χ^2/NDF:78440.8/5

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8797.360+/-3.353 χ^2/NDF:145368.0/3

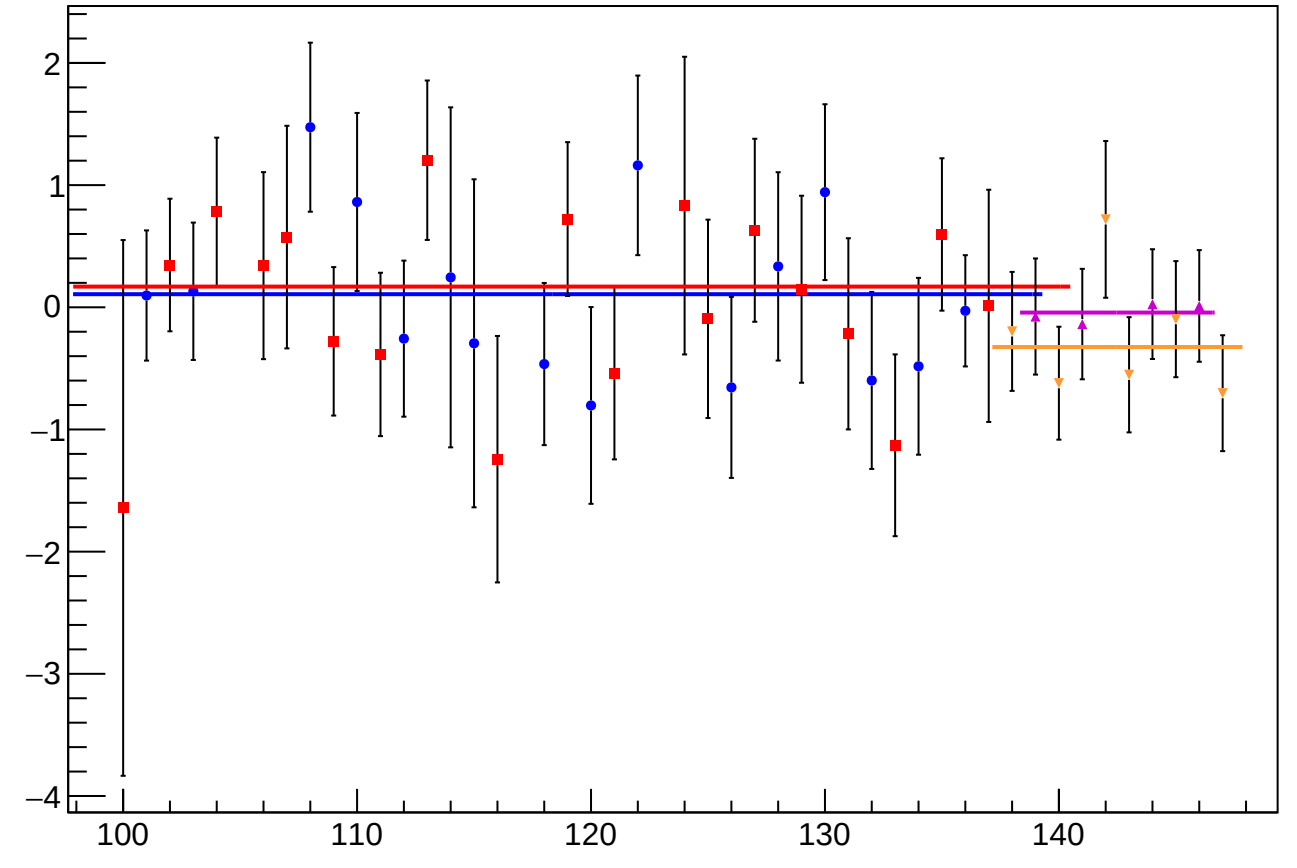
Left: 8562.558+/-2.159 χ^2/NDF: 232180.4/9

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10972.746+/-2.484 χ^2/NDF:1825255.7/19

Out: 10550.126+/-2.274 χ^2/NDF:2299873.4/24

All: 10742.794+/-1.678 χ^2/NDF: 4140873.1/4



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.325+/-0.201 χ^2/NDF:4.2/5

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: -0.043+/-0.229 χ^2/NDF:0.1/3

Left: -0.202+/-0.151 χ^2/NDF: 5.2/9

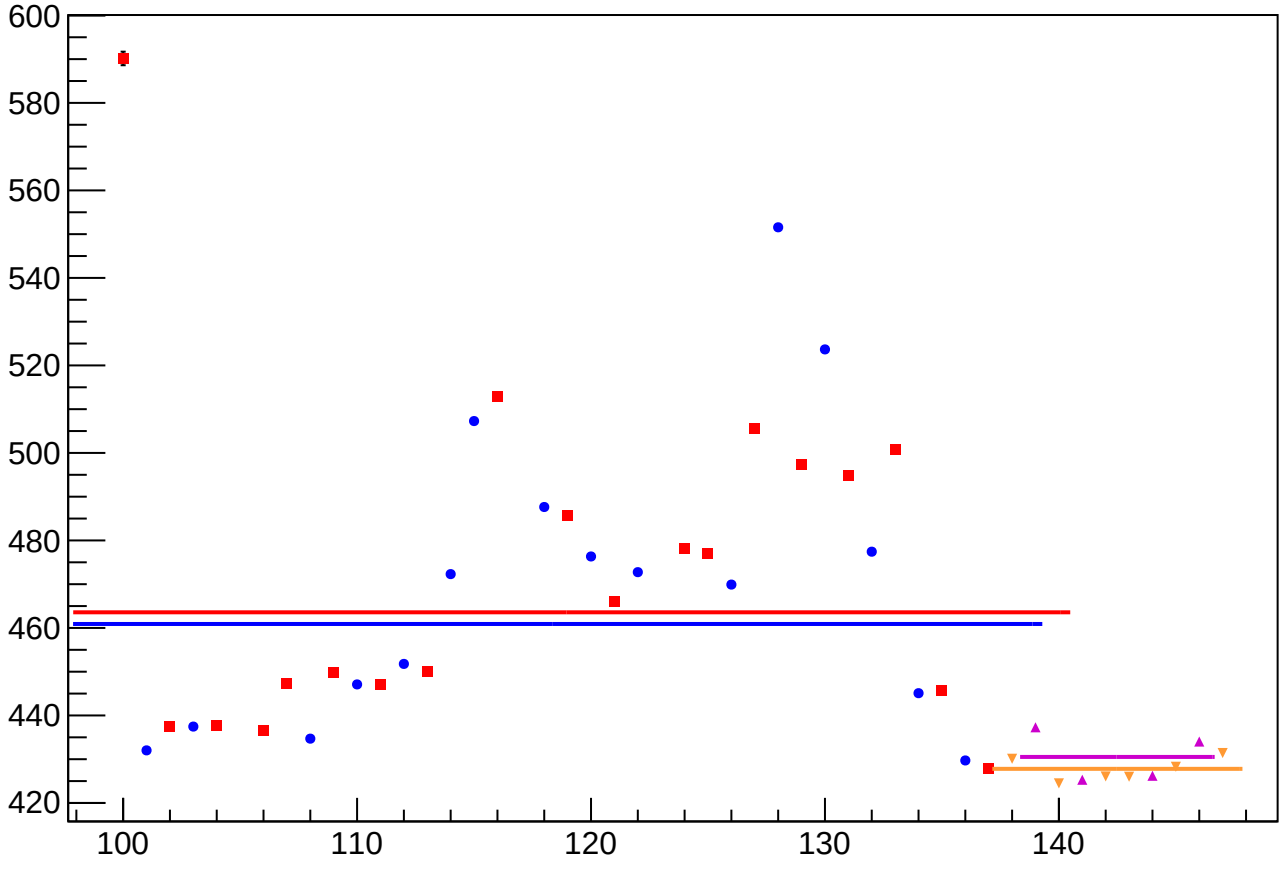
Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.053+/-0.137 χ^2/NDF:14.0/19

Out: -0.036+/-0.130 χ^2/NDF:21.9/24

All: 0.006+/-0.094 χ^2/NDF: 36.1/44

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 427.798+/-0.142 χ^2/NDF:309.9/5

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.520+/-0.162 χ^2/NDF:974.6/3

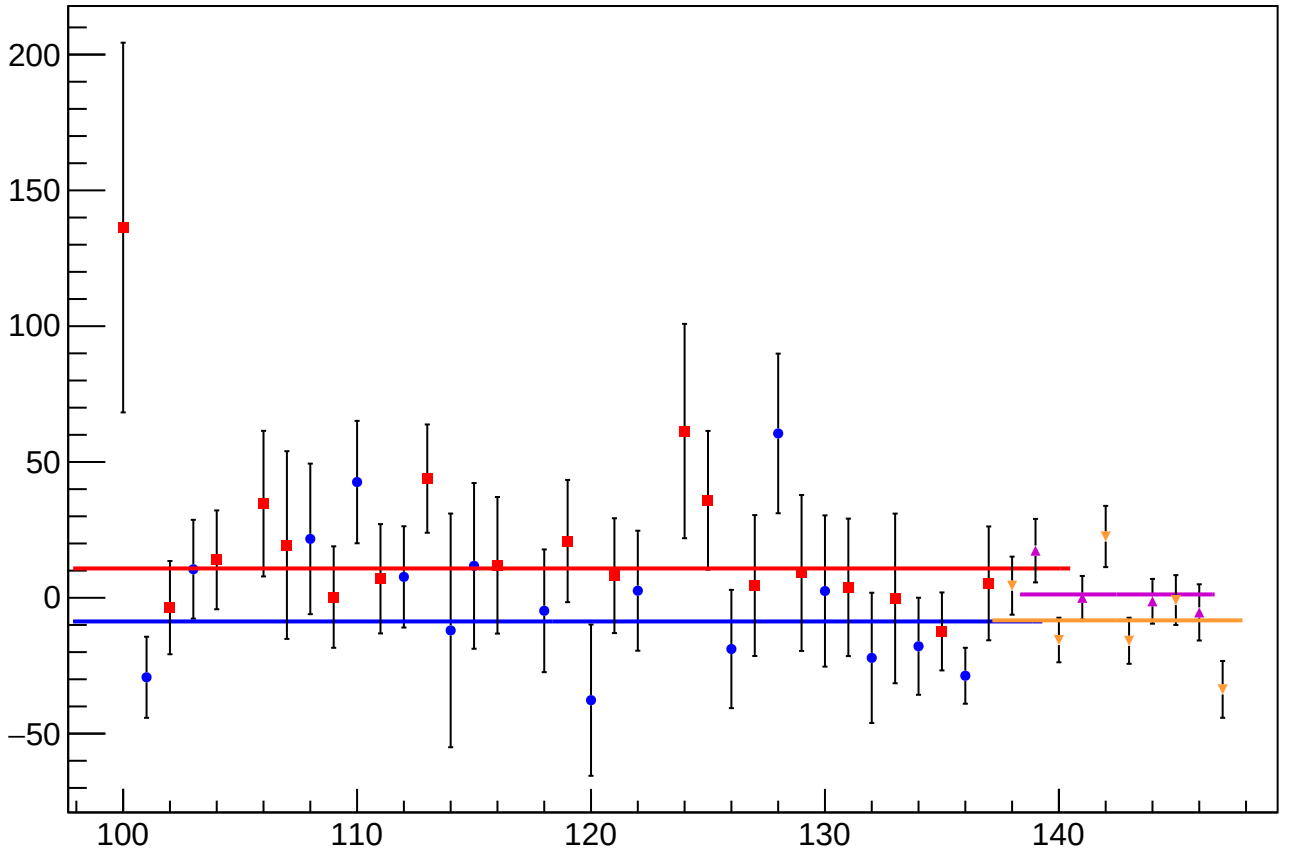
Left: 428.984+/-0.107 χ^2/NDF: 1444.0/9

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 449.972+/-0.097 χ^2/NDF:98442.3/19

Out: 448.730+/-0.092 χ^2/NDF:89479.8/24

All: 449.315+/-0.067 χ^2/NDF: 188008.7/44



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -8.313+/-3.880 χ^2/NDF:17.1/5

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.237+/-4.619 χ^2/NDF:2.4/3

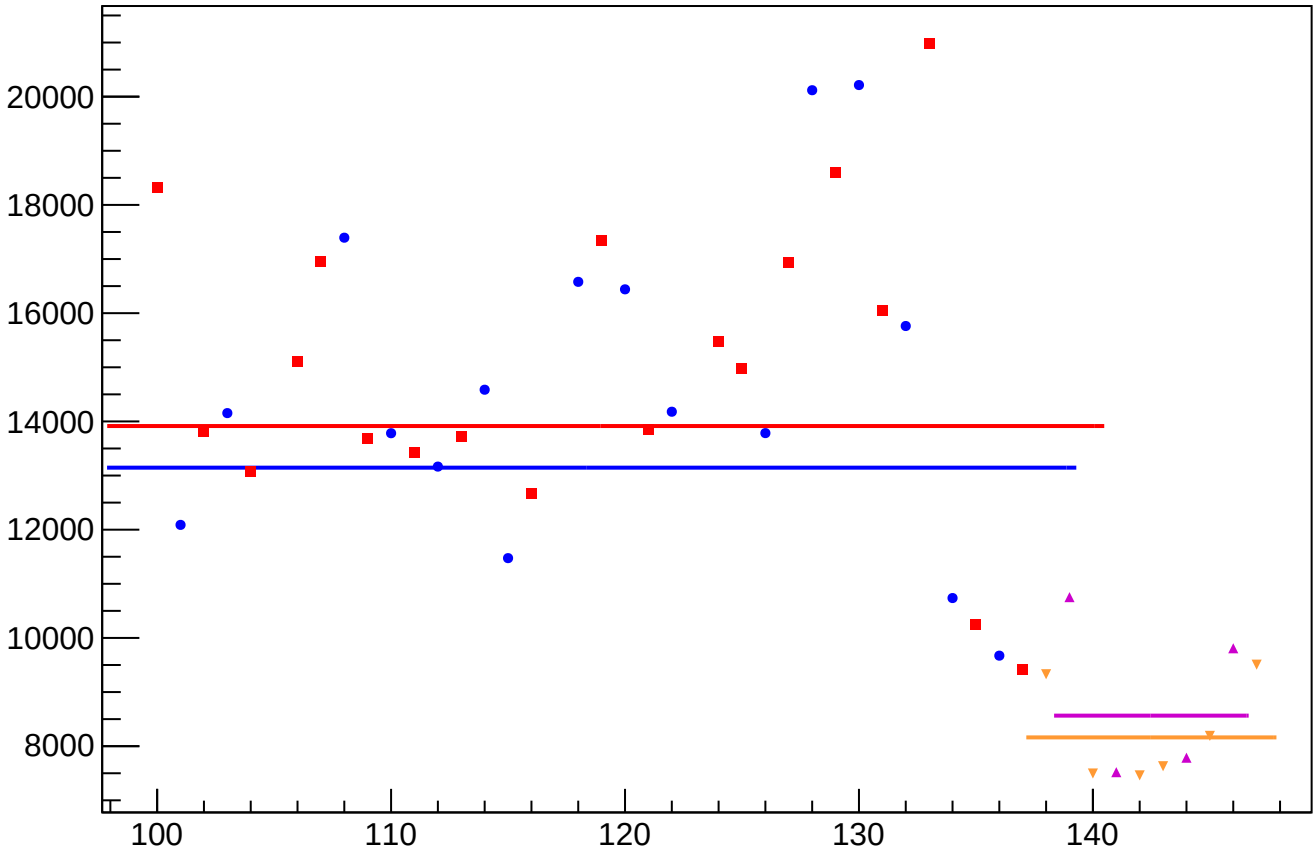
Left: -4.361+/-2.971 χ^2/NDF: 22.0/9

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -3.306+/-3.404 χ^2/NDF:26.8/19

Out: -1.460+/-3.108 χ^2/NDF:39.6/24

All: -2.299+/-2.295 χ^2/NDF: 66.6/44



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8162.338+/-2.744 χ^2/NDF:85707.6/5

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8564.532+/-3.266 χ^2/NDF:150648.4/3

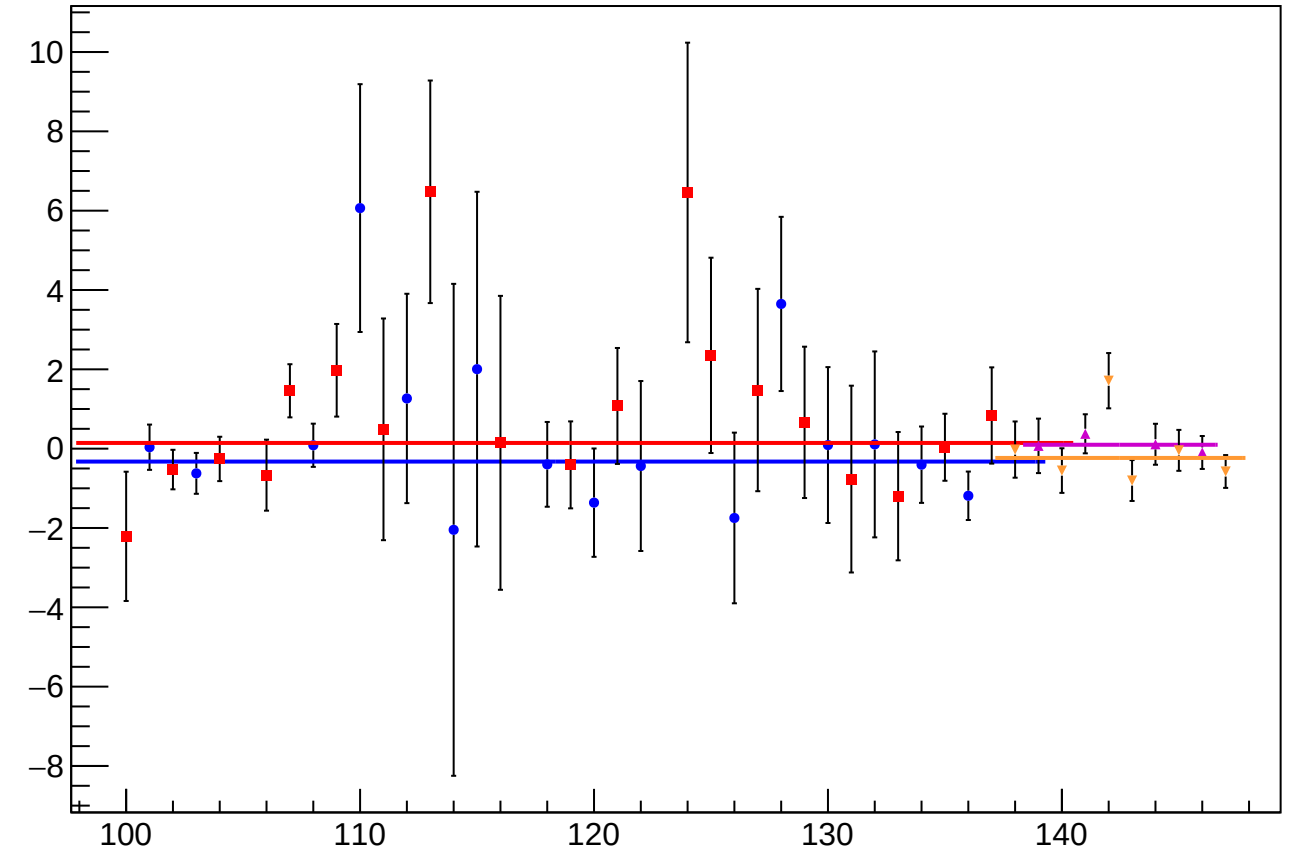
Left: 8328.755+/-2.101 χ^2/NDF: 245246.8/9

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 10657.625+/-2.407 χ^2/NDF:1732317.1/19

Out: 10224.083+/-2.198 χ^2/NDF:2172120.1/24

All: 10421.205+/-1.623 χ^2/NDF: 3922130.8/4



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.234+/-0.220 χ^2/NDF:10.3/5

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.098+/-0.252 χ^2/NDF:0.5/3

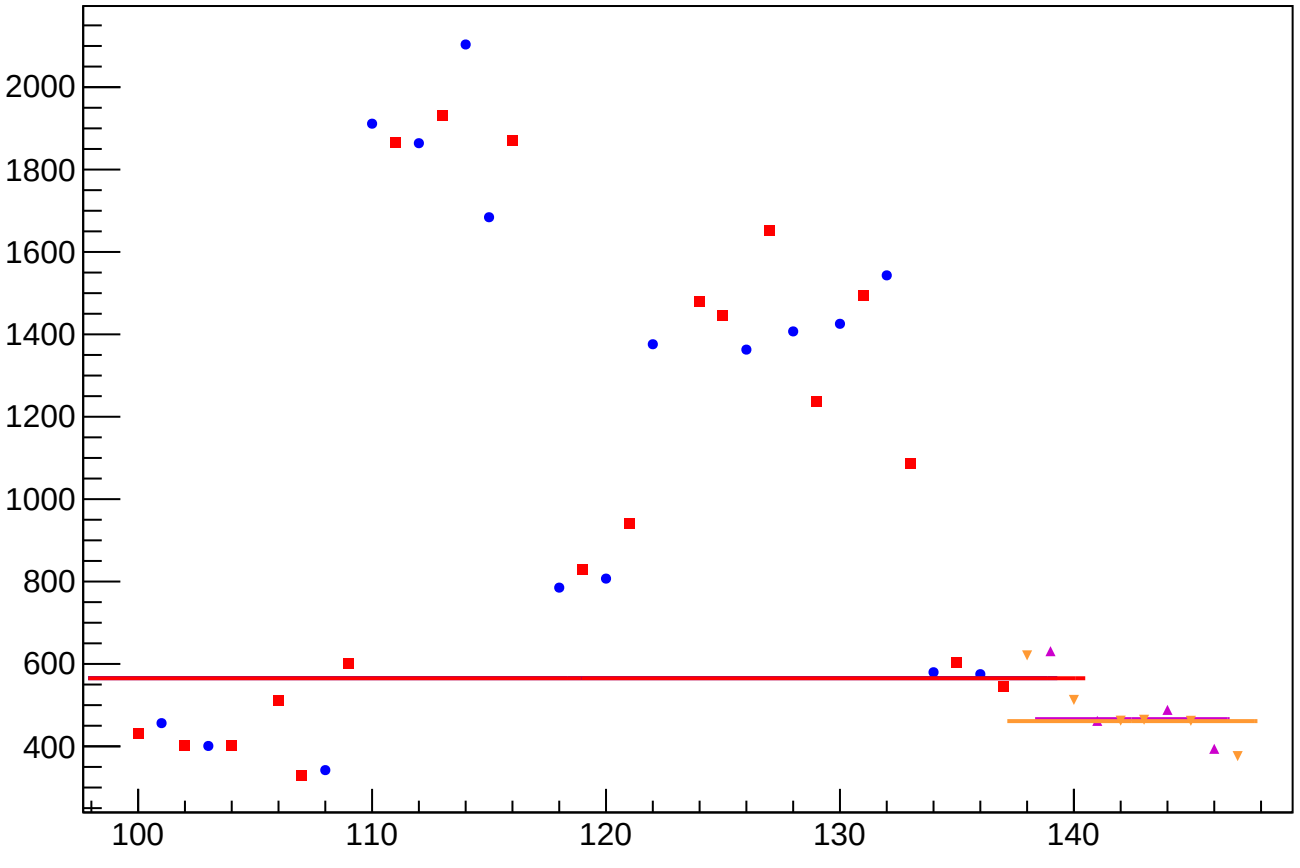
Left: -0.090+/-0.166 χ^2/NDF: 11.8/9

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.120+/-0.175 χ^2/NDF:14.6/19

Out: -0.064+/-0.164 χ^2/NDF:34.0/24

All: -0.090+/-0.120 χ^2/NDF: 48.7/44



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 461.213+/-0.156 χ^2/NDF:202630.7/5

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 465.992+/-0.178 χ^2/NDF:179427.3/3

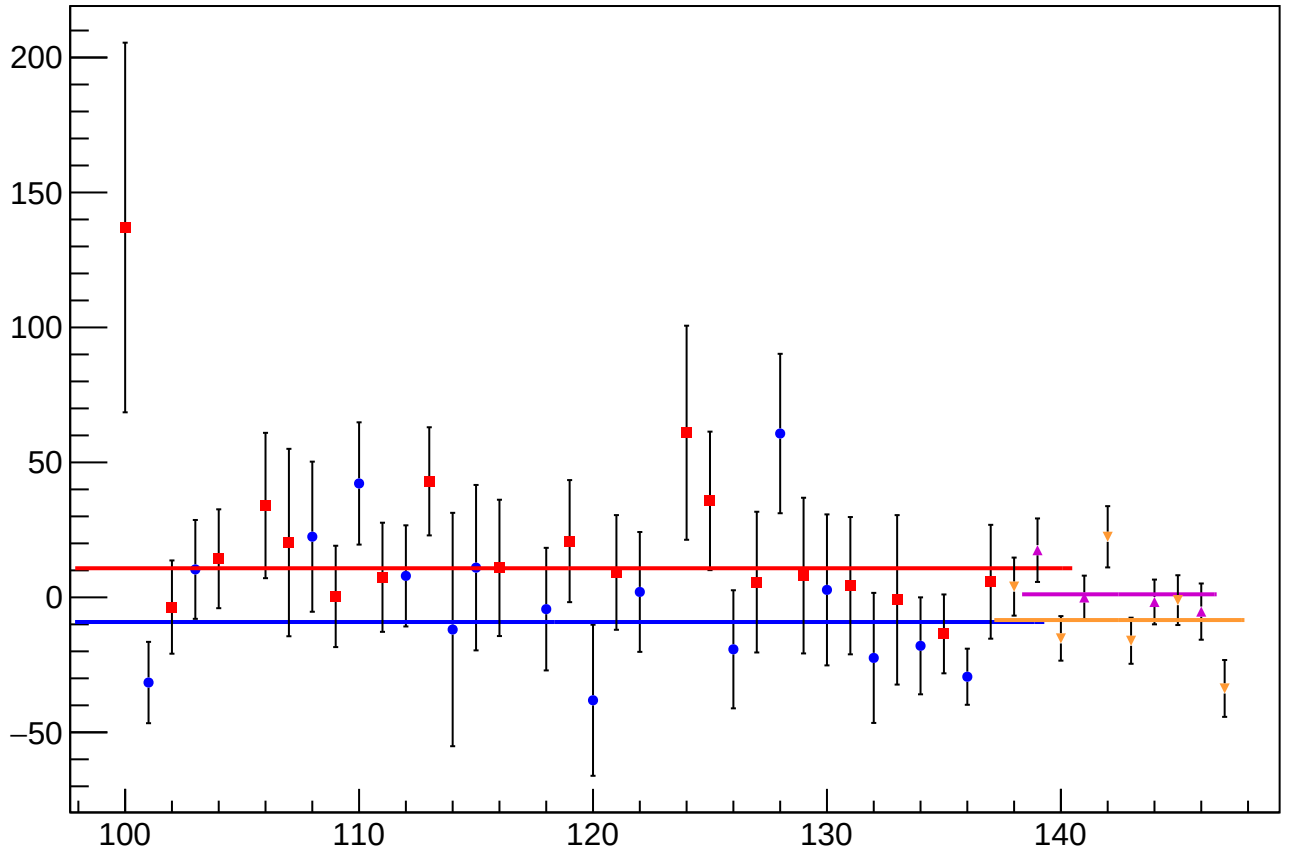
Left: 463.288+/-0.117 χ^2/NDF: 382466.0/9

Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 517.276+/-0.124 χ^2/NDF:3791151.8/19

Out: 507.883+/-0.116 χ^2/NDF:3973994.8/24

All: 512.260+/-0.085 χ^2/NDF: 7768215.1/44


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
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−50
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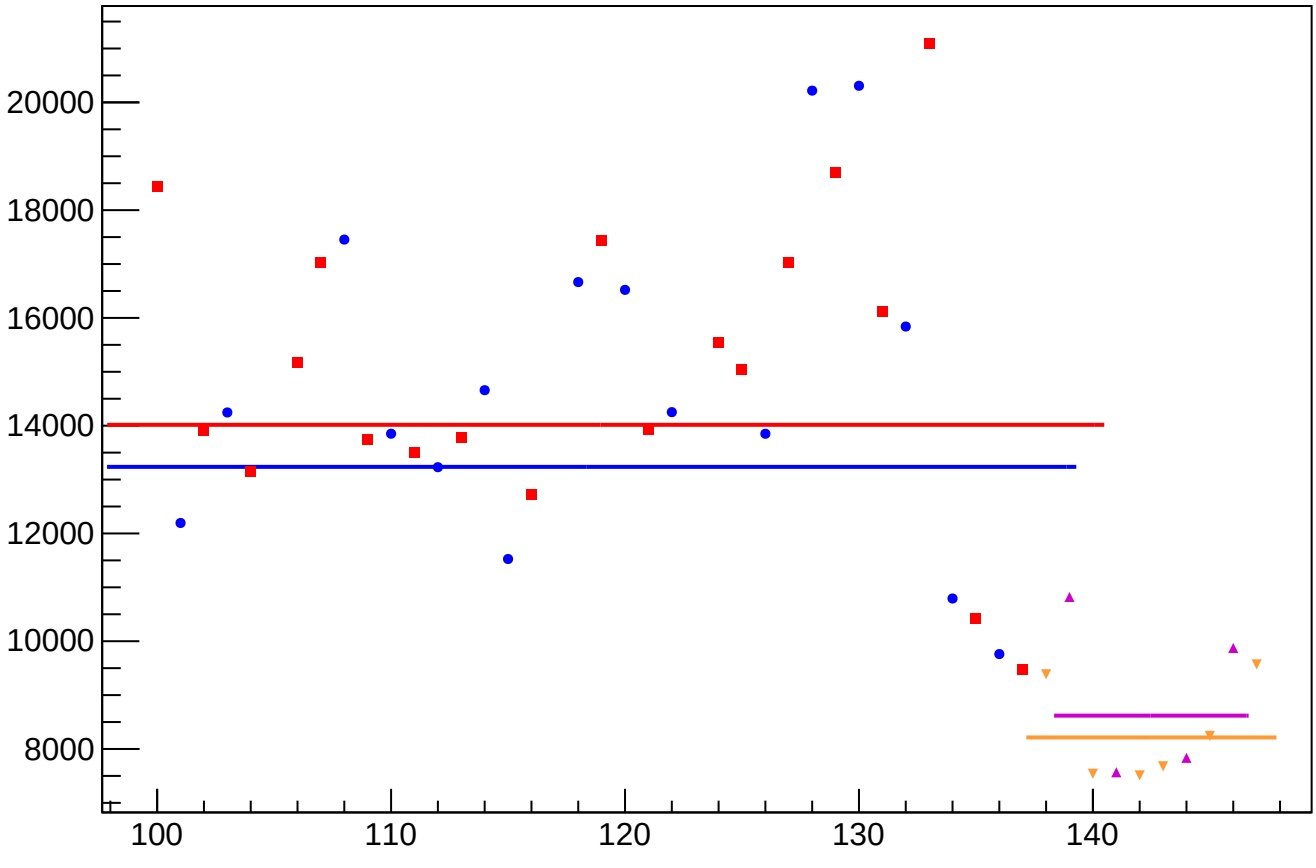
110
120
130
140
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -8.405+/-3.905 χ²/NDF:16.6/5
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 1.130+/-4.648 χ²/NDF:2.4/3
Left: -4.460+/-2.990 χ²/NDF: 21.5/9
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -3.556+/-3.426 χ²/NDF:27.4/19
Out: -1.531+/-3.128 χ²/NDF:39.0/24
All: -2.452+/-2.310 χ²/NDF: 66.6/44



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8214.066+/-2.761 χ^2/NDF:85795.4/5

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 8618.868+/-3.287 χ^2/NDF:150823.5/3

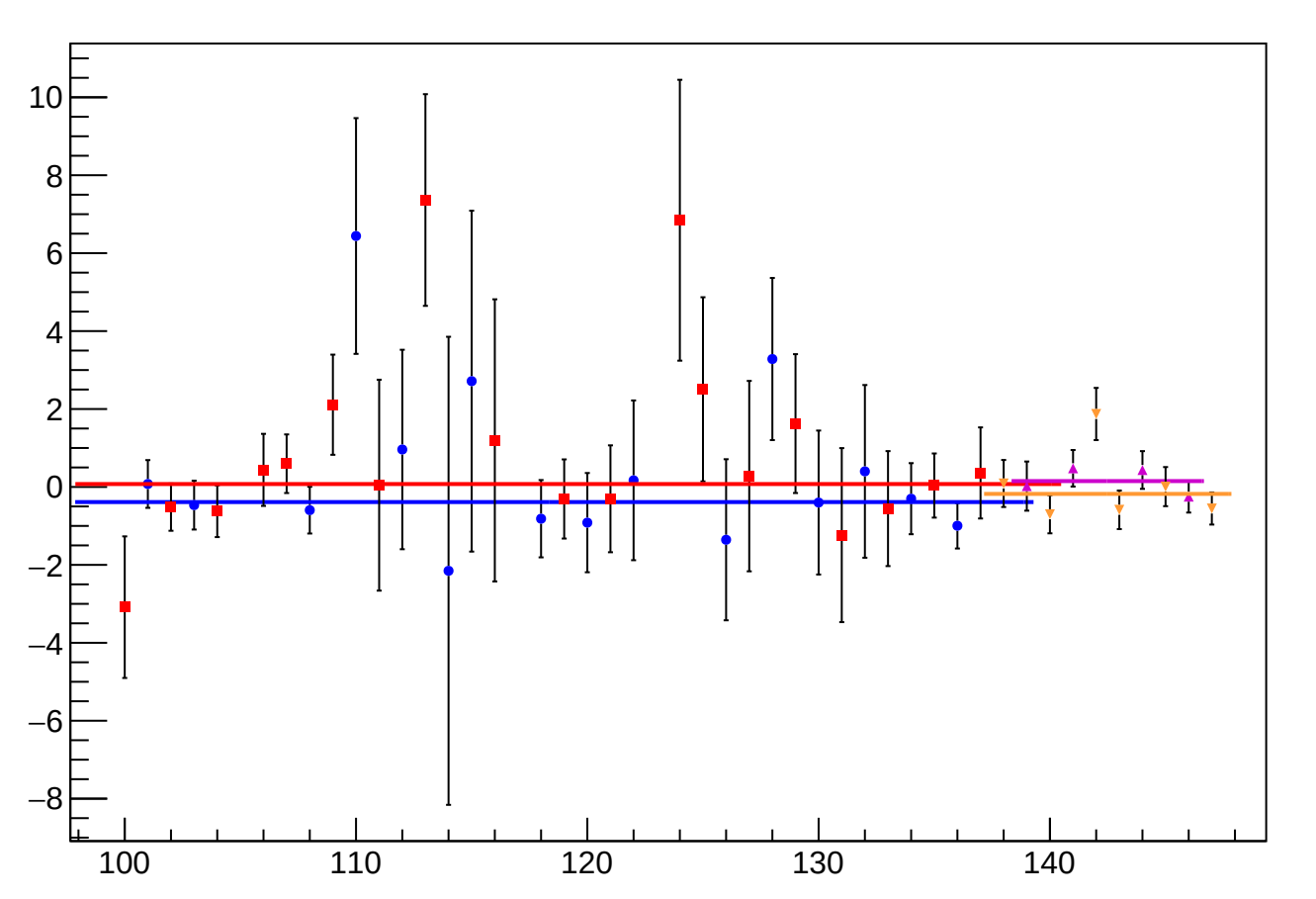
Left: 8381.561+/-2.114 χ^2/NDF: 245512.0/9

Right: 13613.950+/-2.573 χ^2/NDF: 1195440.4/34

In: 10727.566+/-2.422 χ^2/NDF:1726013.4/19

Out: 10292.080+/-2.212 χ^2/NDF:2165764.9/24

All: 10490.098+/-1.634 χ^2/NDF: 3909400.6/4



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.178+/-0.208 χ^2/NDF:12.4/5

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.151+/-0.240 χ^2/NDF:1.8/3

Left: -0.038+/-0.157 χ^2/NDF: 15.3/9

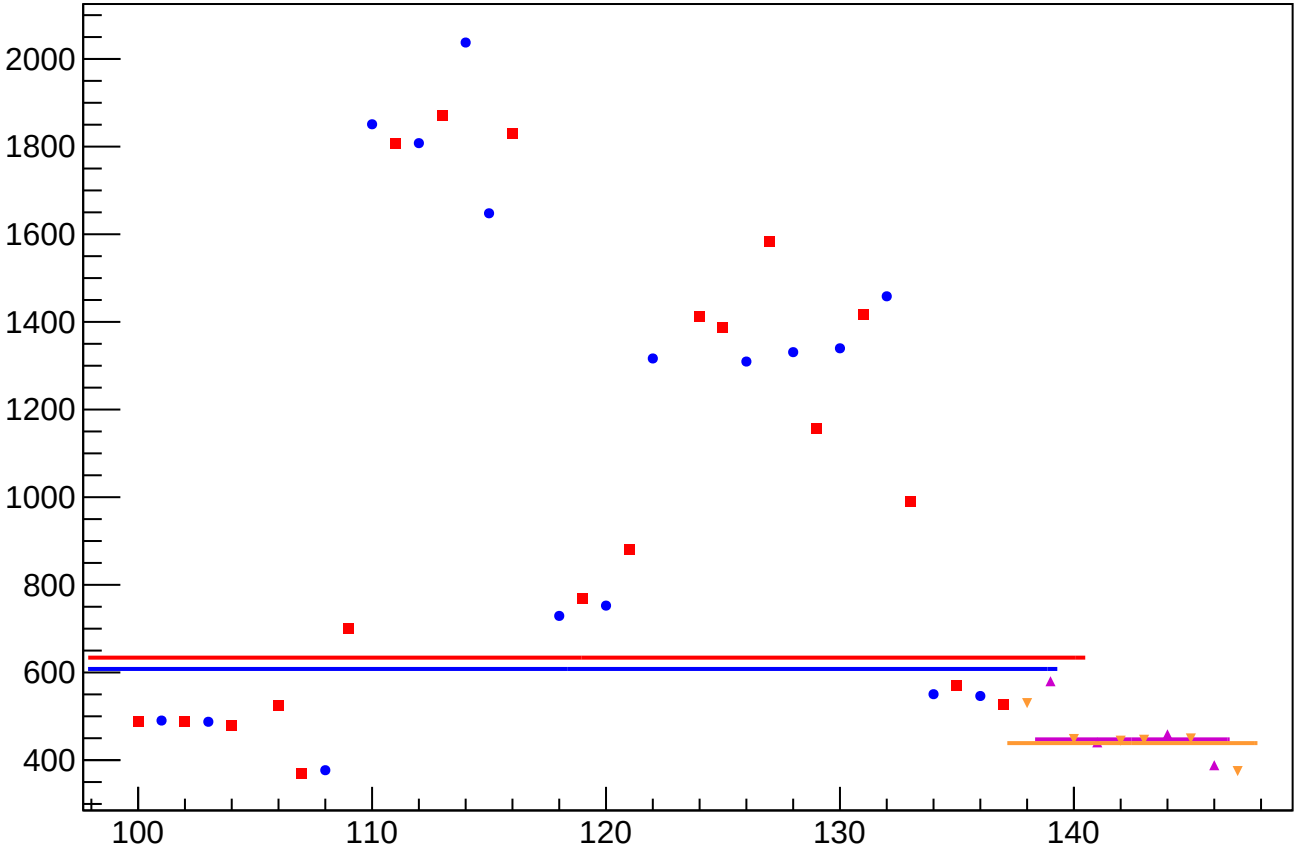
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.102+/-0.175 χ^2/NDF:15.8/19

Out: -0.082+/-0.164 χ^2/NDF:34.6/24

All: -0.091+/-0.120 χ^2/NDF: 50.4/44

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 438.839+/-0.147 χ^2/NDF:95928.4/5

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 447.371+/-0.170 χ^2/NDF:131632.9/3

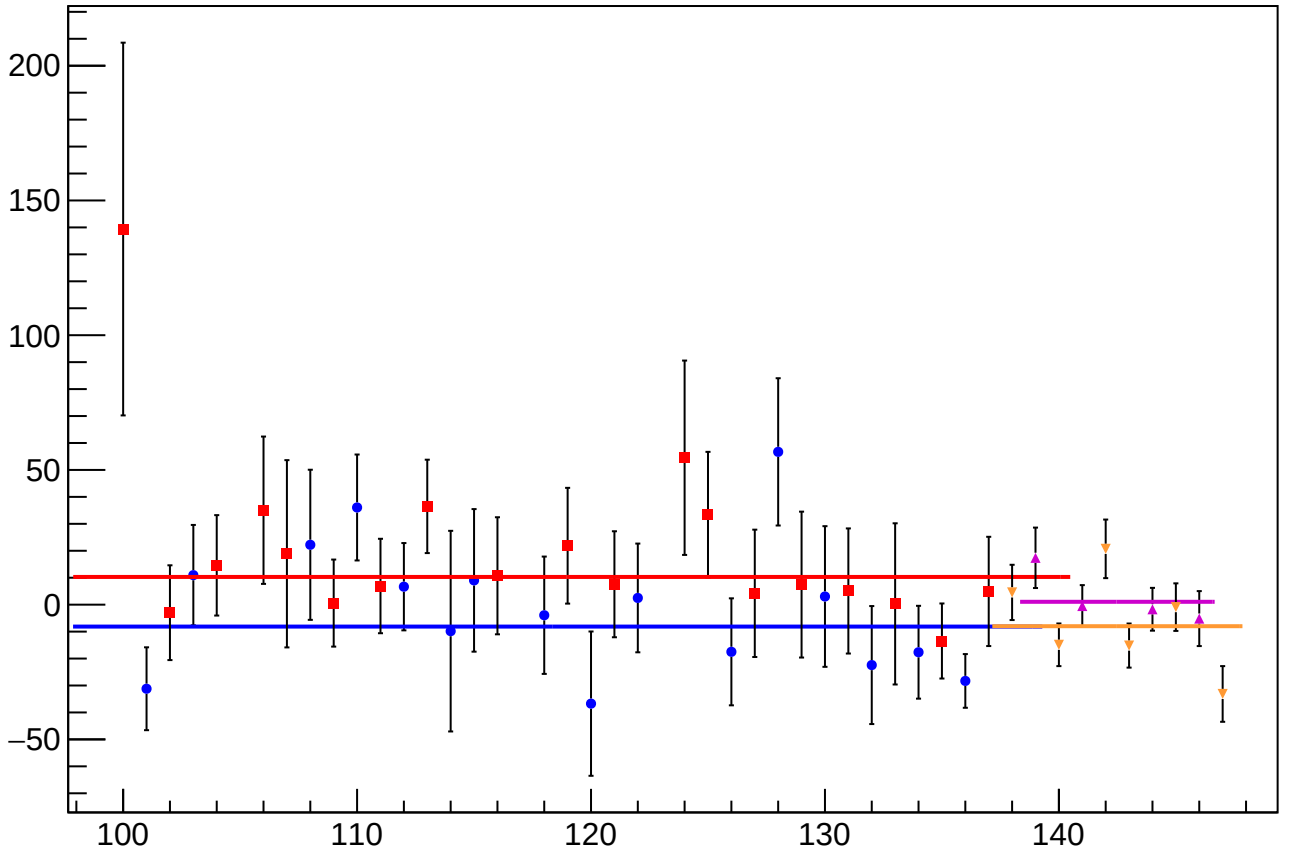
Left: 442.493+/-0.111 χ^2/NDF: 229001.0/9

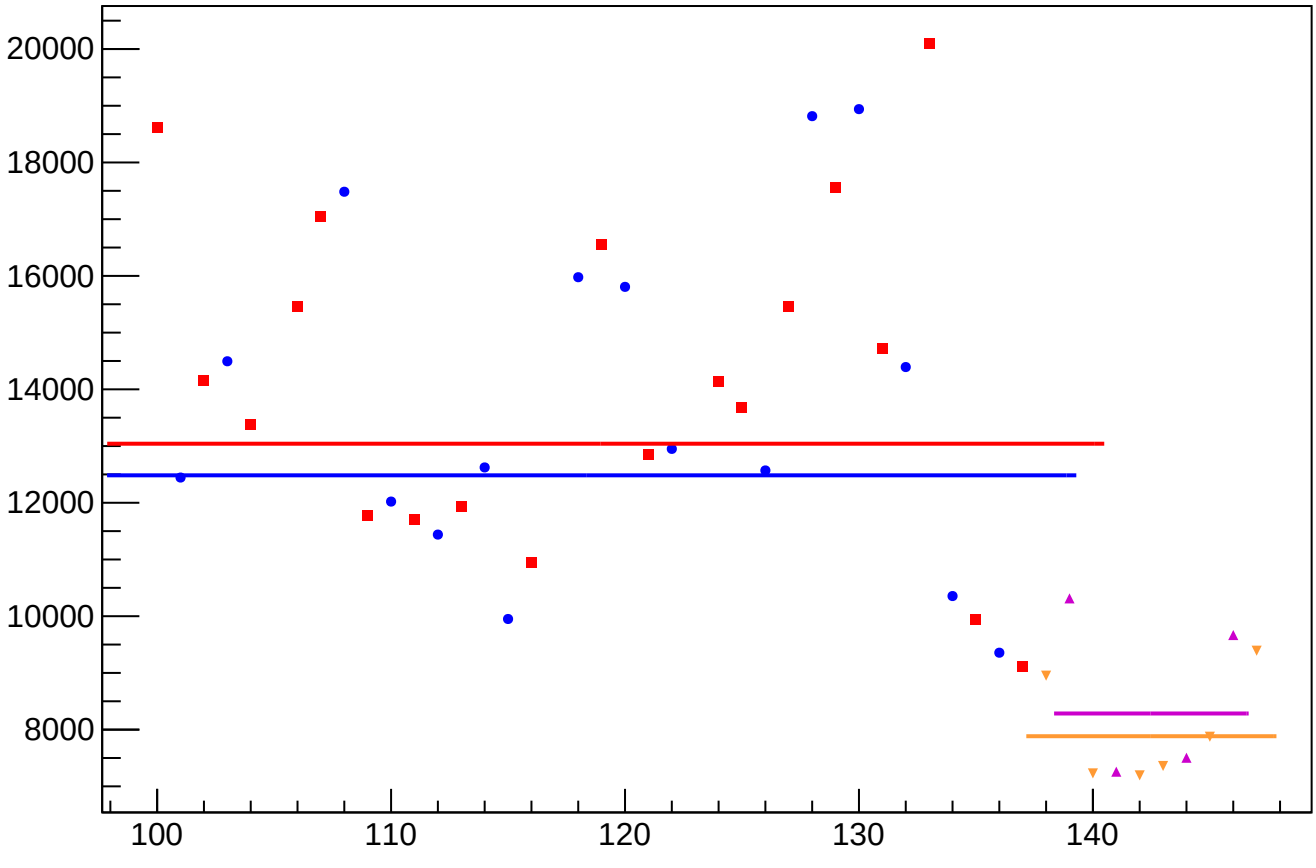
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 522.788+/-0.124 χ^2/NDF:3403512.9/19

Out: 513.412+/-0.116 χ^2/NDF:3556003.2/24

All: 517.779+/-0.085 χ^2/NDF: 6962577.1/44


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
Right In: -8.132+/-4.779 χ²/NDF: 23.1/15
Left Out: -7.993+/-3.750 χ²/NDF:16.6/5
Right Out: 10.288+/-4.873 χ²/NDF: 13.7/18
Left In: 1.063+/-4.470 χ²/NDF:2.7/3
Left: -4.252+/-2.873 χ²/NDF: 21.6/9
Right: 0.898+/-3.412 χ²/NDF: 44.1/34
In: -3.227+/-3.264 χ²/NDF:27.7/19
Out: -1.194+/-2.972 χ²/NDF:39.1/24
All: -2.115+/-2.198 χ²/NDF: 67.1/44



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 7883.966+/-2.652 χ^2/NDF:94271.4/5

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8284.680+/-3.160 χ^2/NDF:156614.7/3

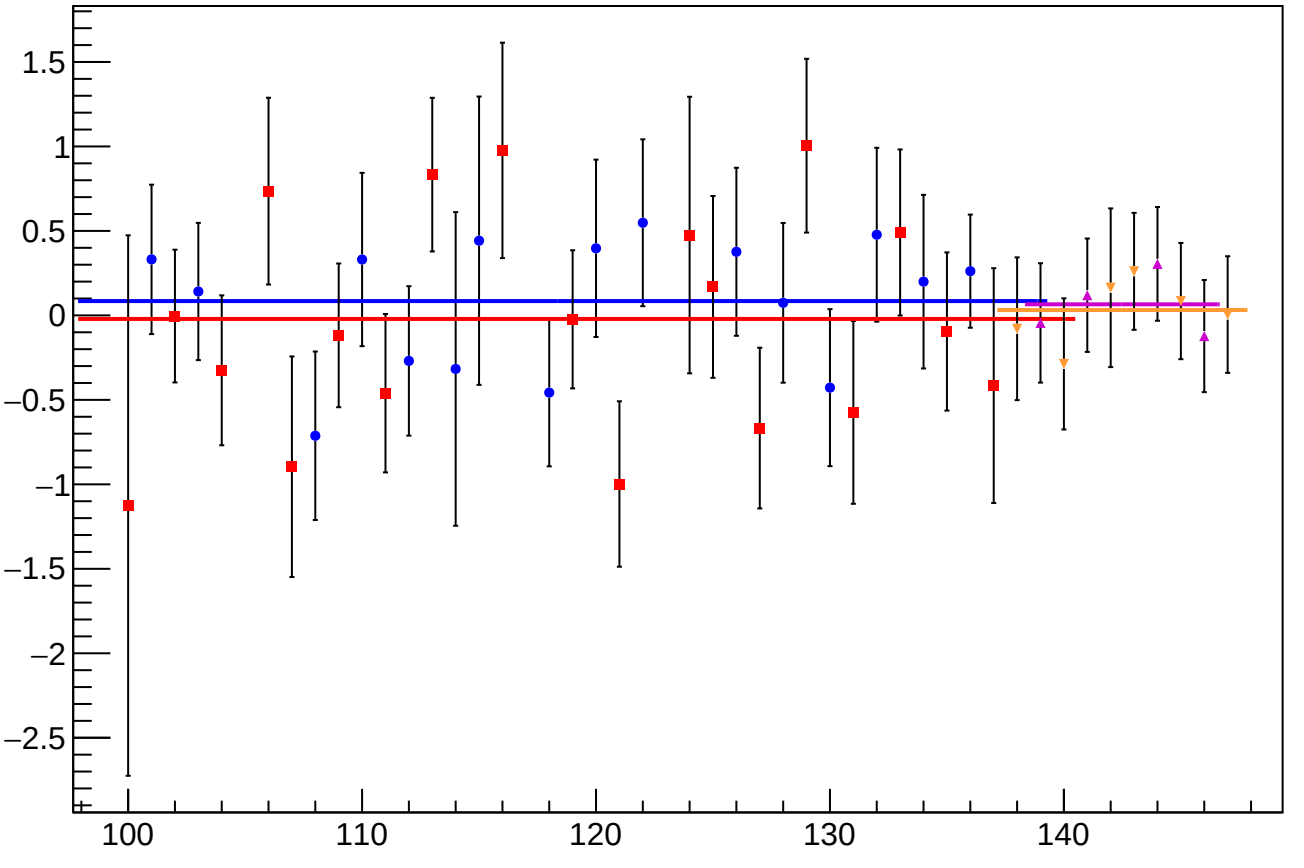
Left: 8049.534+/-2.032 χ^2/NDF: 260319.6/9

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10243.925+/-2.308 χ^2/NDF:1651872.7/19

Out: 9802.241+/-2.102 χ^2/NDF:2045447.5/24

All: 10002.434+/-1.554 χ^2/NDF: 3717339.0/4



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.032+/-0.154 χ^2/NDF:1.3/5

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.066+/-0.170 χ^2/NDF:0.9/3

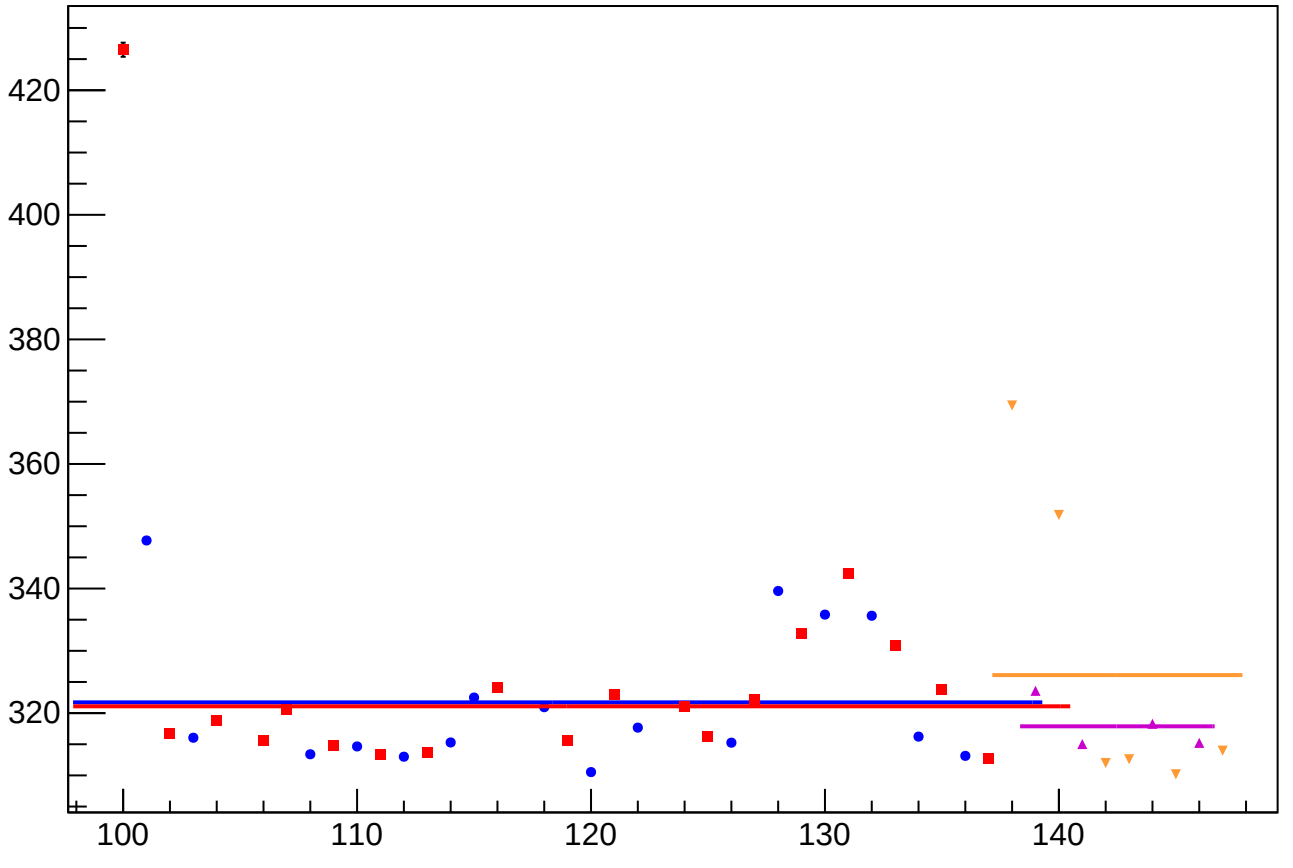
Left: 0.047+/-0.114 χ^2/NDF: 2.3/9

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.078+/-0.098 χ^2/NDF:10.3/19

Out: -0.002+/-0.093 χ^2/NDF:25.7/24

All: 0.036+/-0.068 χ^2/NDF: 36.3/44



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 326.105+/-0.109 χ^2/NDF:41373.2/5

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 317.881+/-0.120 χ^2/NDF:795.5/3

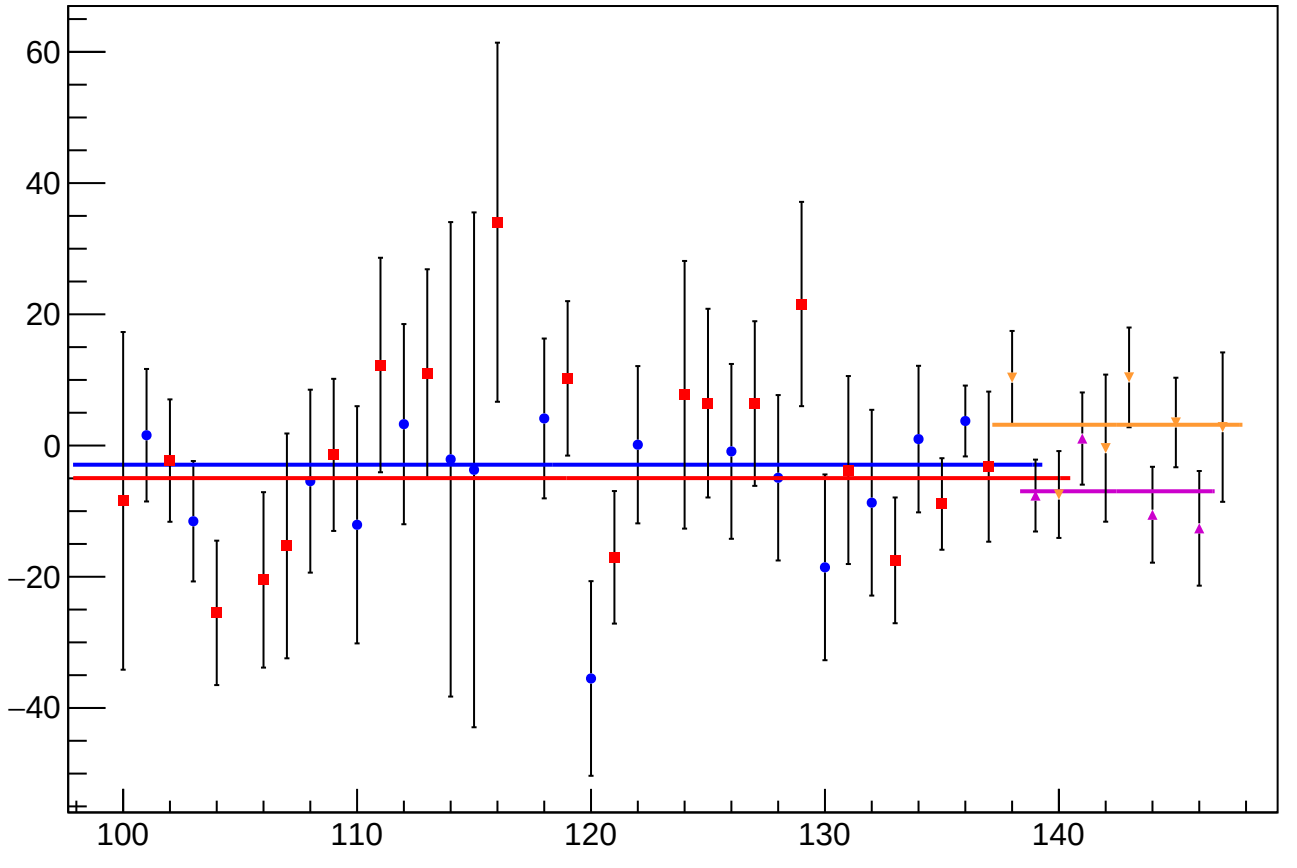
Left: 322.377+/-0.081 χ^2/NDF: 44741.8/9

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 320.441+/-0.069 χ^2/NDF:19695.4/19

Out: 322.931+/-0.066 χ^2/NDF:59287.6/24

All: 321.745+/-0.048 χ^2/NDF: 79658.7/44



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.168+/-3.211 χ^2/NDF:4.6/5

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -6.971+/-3.422 χ^2/NDF:2.0/3

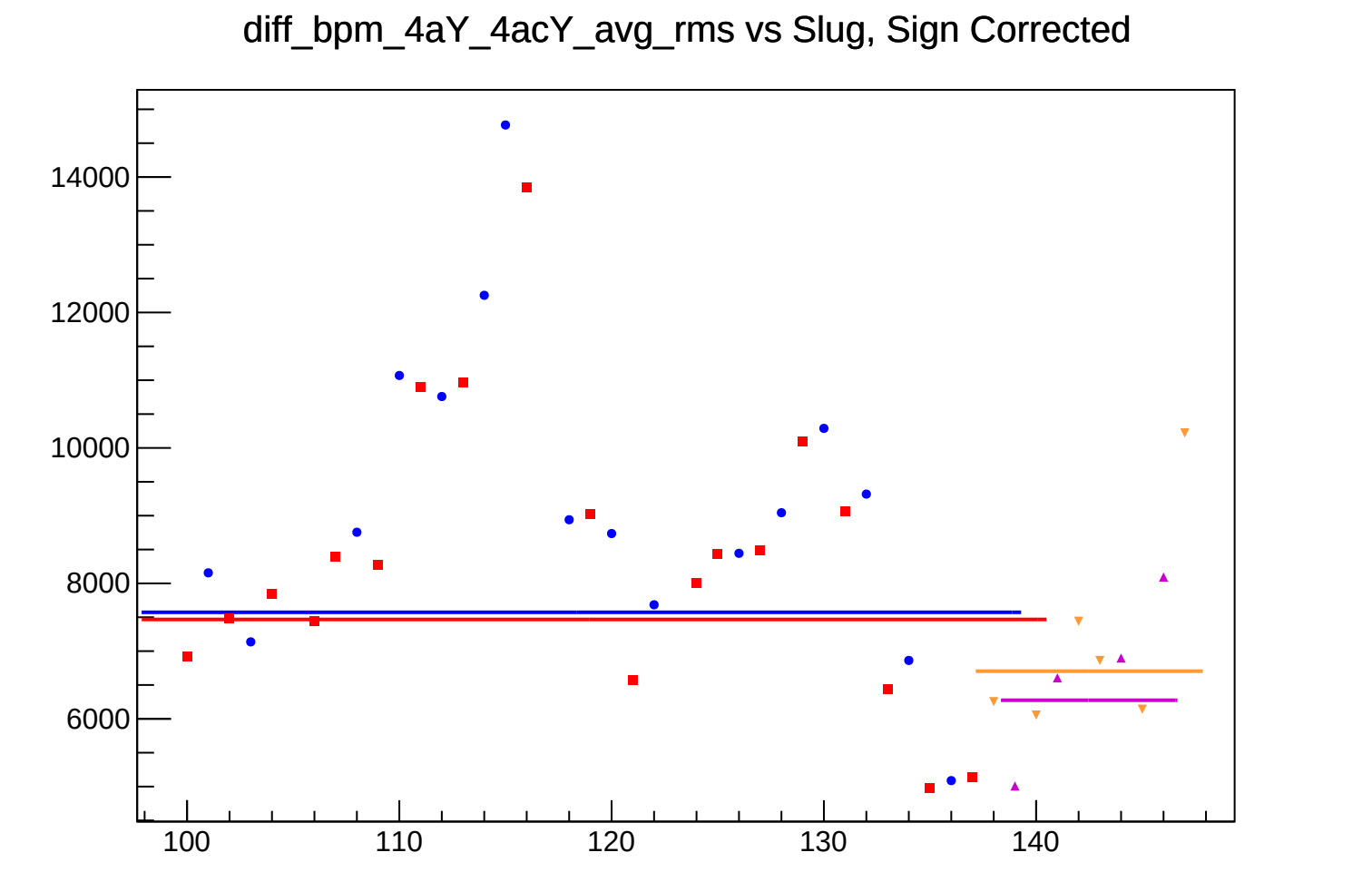
Left: -1.579+/-2.342 χ^2/NDF: 11.2/9

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -4.621+/-2.217 χ^2/NDF:12.6/19

Out: -1.418+/-2.121 χ^2/NDF:27.6/24

All: -2.948+/-1.532 χ^2/NDF: 41.4/44



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6703.800+/-2.270 χ^2/NDF:241120.1/5

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6274.698+/-2.420 χ^2/NDF:212461.8/3

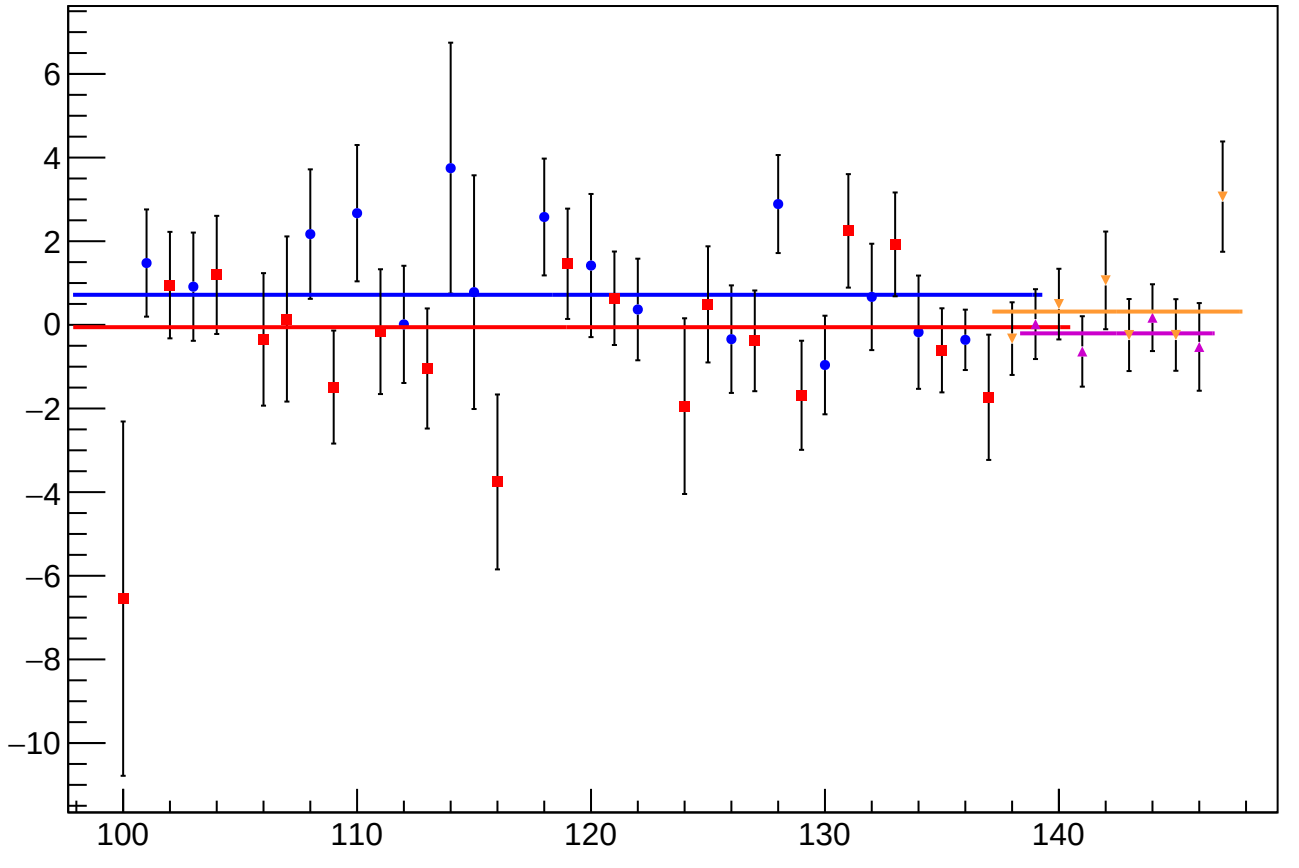
Left: 6502.908+/-1.656 χ^2/NDF: 470304.4/9

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 7028.218+/-1.568 χ^2/NDF:1277132.8/19

Out: 7134.399+/-1.499 χ^2/NDF:1133265.2/24

All: 7083.670+/-1.084 χ^2/NDF: 2412793.8/44



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.318+/-0.385 χ^2/NDF:6.2/5

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.203+/-0.434 χ^2/NDF:0.6/3

Left: 0.088+/-0.288 χ^2/NDF: 7.7/9

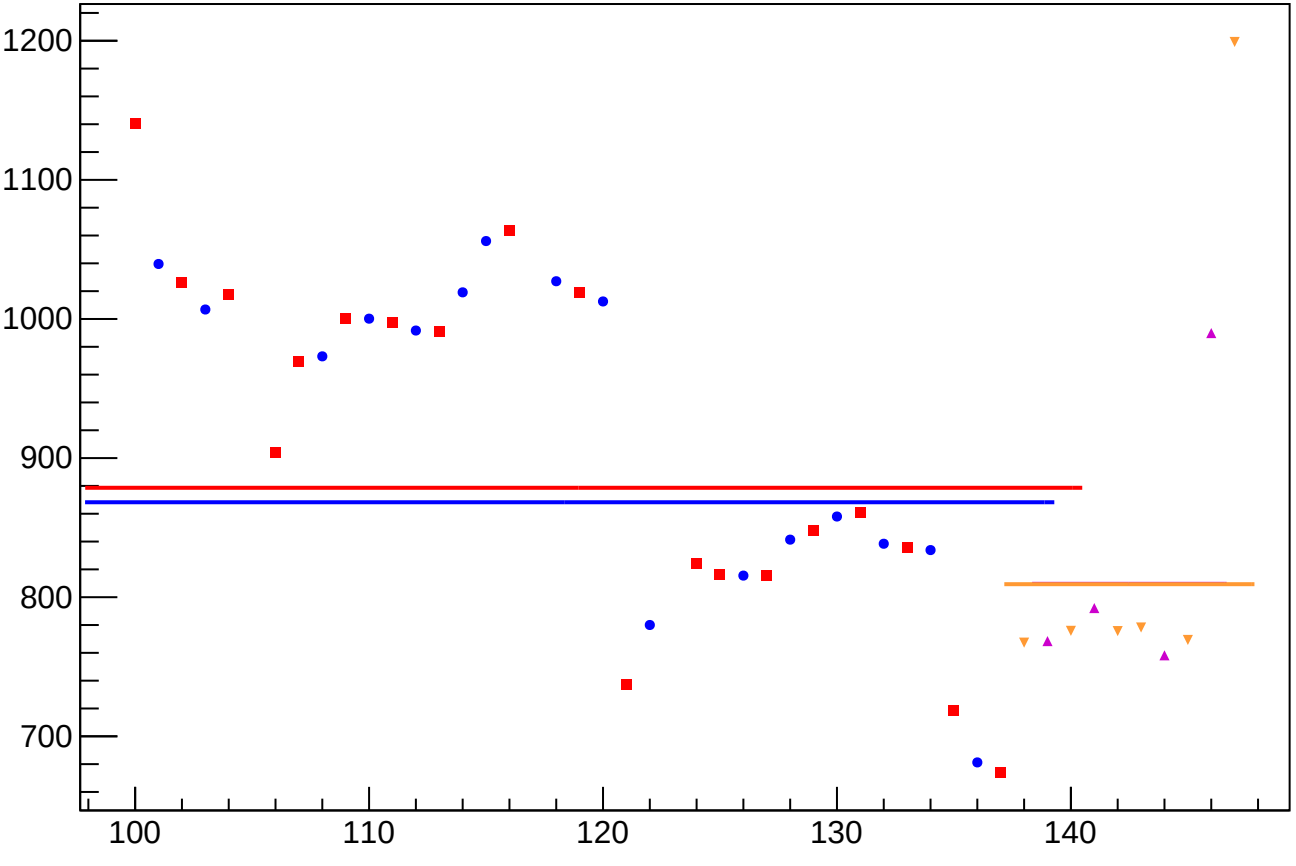
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.386+/-0.261 χ^2/NDF:18.3/19

Out: 0.099+/-0.248 χ^2/NDF:26.6/24

All: 0.235+/-0.179 χ^2/NDF: 45.5/44

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 809.354+/-0.272 χ^2/NDF:191173.5/5

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 809.613+/-0.307 χ^2/NDF:73133.0/3

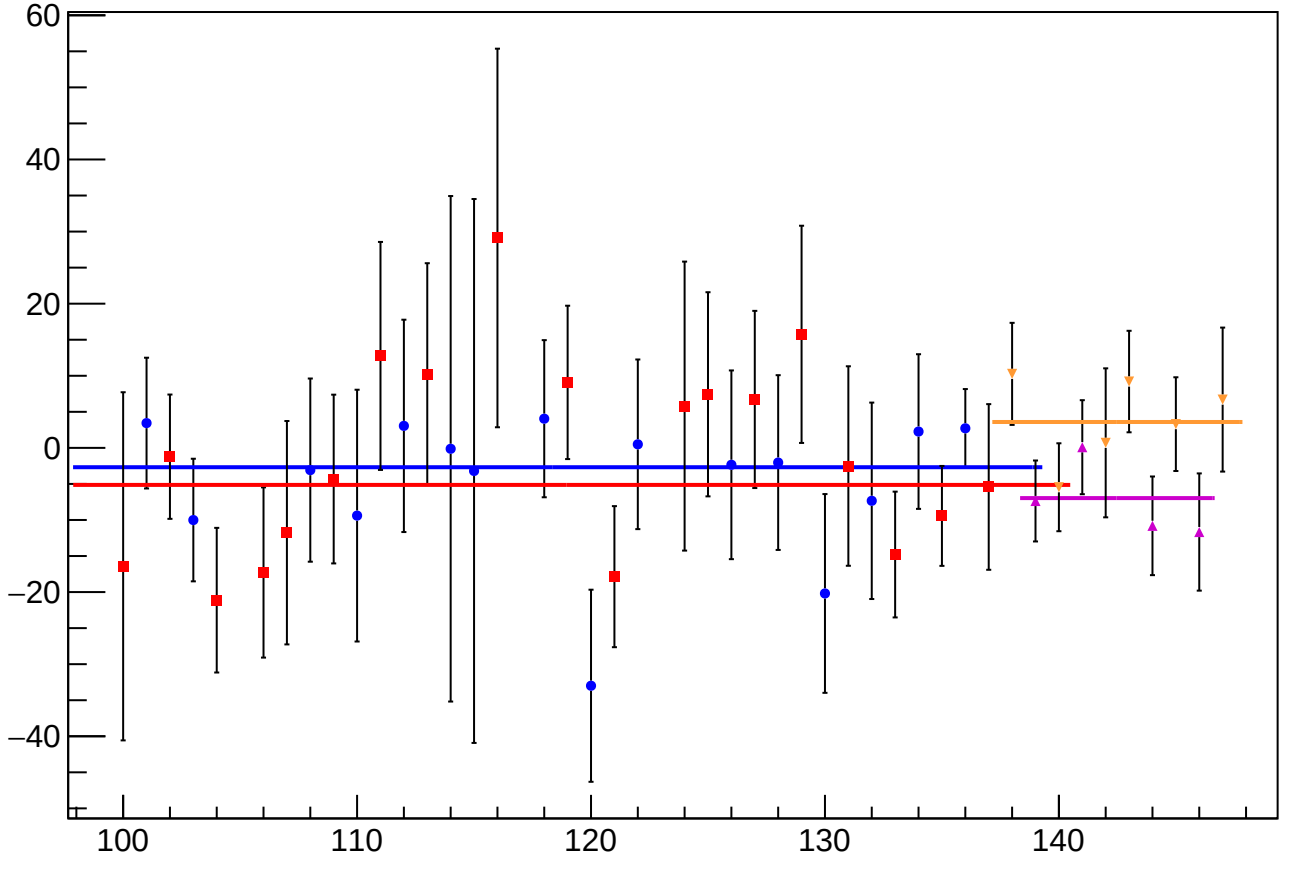
Left: 809.468+/-0.204 χ^2/NDF: 264306.9/9

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 847.078+/-0.184 χ^2/NDF:398919.9/19

Out: 849.991+/-0.175 χ^2/NDF:501705.5/24

All: 848.608+/-0.127 χ^2/NDF: 900756.7/44



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.591+/-3.014 χ^2/NDF:3.9/5

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -6.966+/-3.302 χ^2/NDF:1.8/3

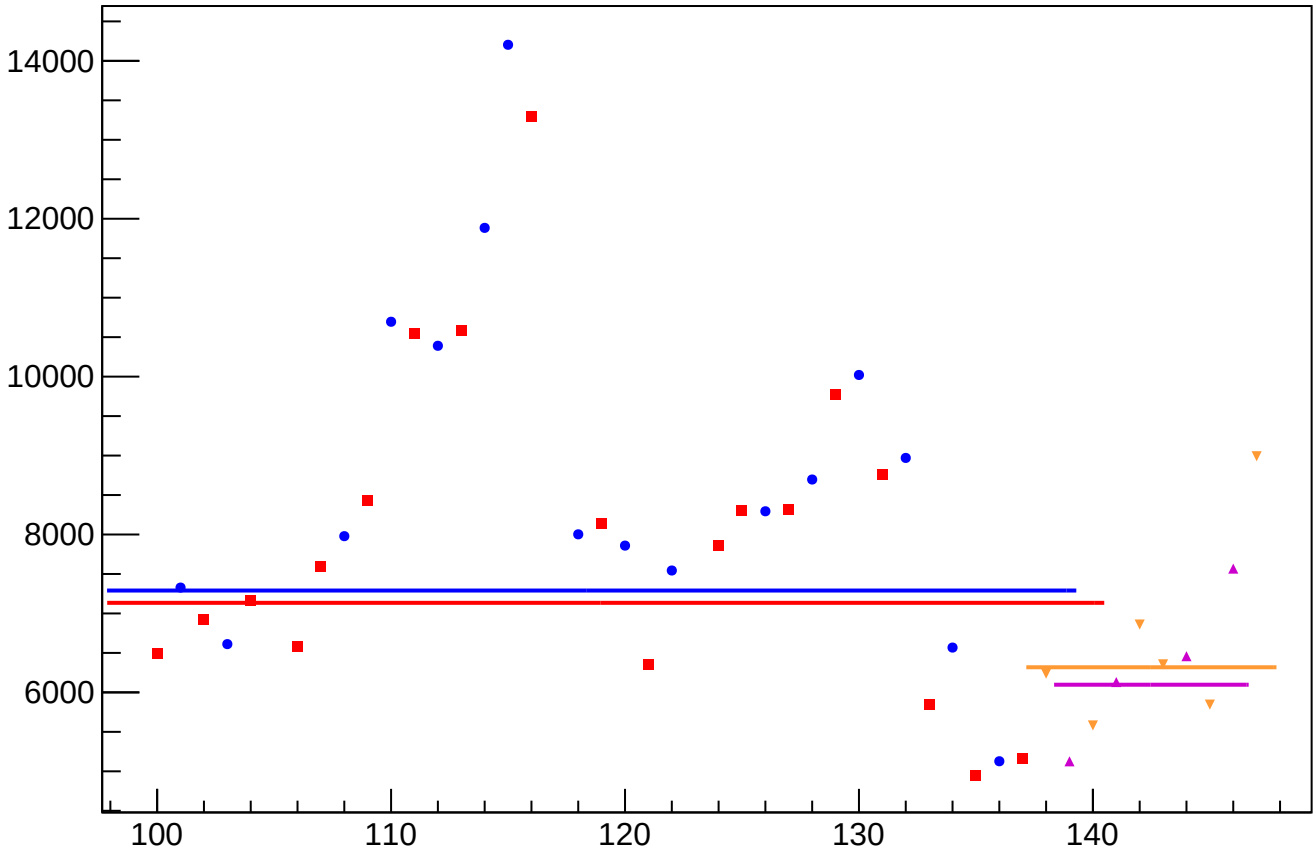
Left: -1.207+/-2.226 χ^2/NDF: 11.3/9

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -4.466+/-2.130 χ^2/NDF:12.9/19

Out: -1.263+/-2.008 χ^2/NDF:25.8/24

All: -2.770+/-1.461 χ^2/NDF: 39.9/44



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6318.112+/-2.131 χ^2/NDF:188889.2/5

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6097.045+/-2.335 χ^2/NDF:130849.9/3

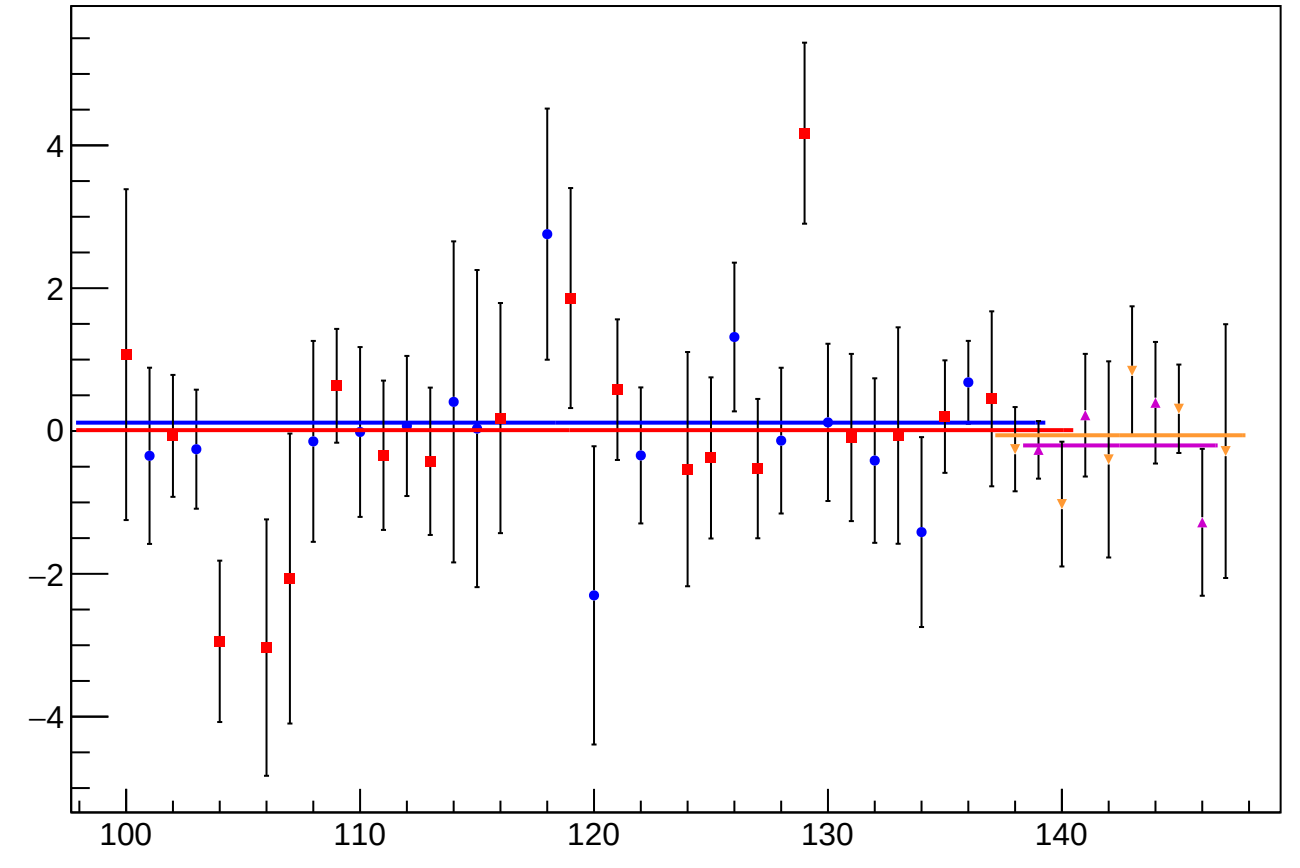
Left: 6217.633+/-1.574 χ^2/NDF: 324630.5/9

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6793.515+/-1.506 χ^2/NDF:1053851.0/19

Out: 6772.151+/-1.420 χ^2/NDF:1063293.4/24

All: 6782.201+/-1.033 χ^2/NDF: 2117251.0/44



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.060+/-0.336 χ^2/NDF:2.8/5

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.202+/-0.319 χ^2/NDF:1.9/3

Left: -0.135+/-0.231 χ^2/NDF: 4.7/9

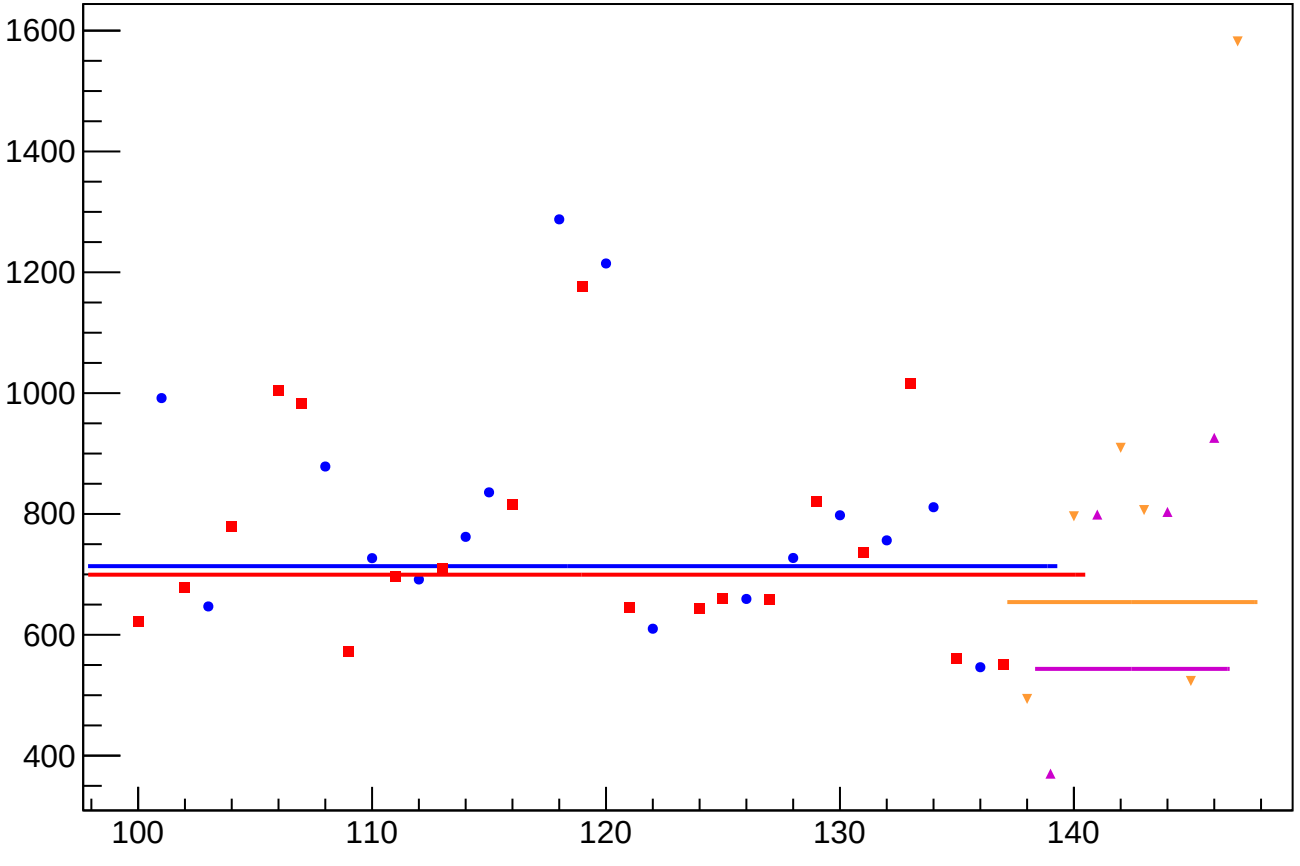
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: -0.018+/-0.207 χ^2/NDF:10.5/19

Out: -0.015+/-0.207 χ^2/NDF:28.0/24

All: -0.017+/-0.147 χ^2/NDF: 38.5/44

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 654.157+/-0.237 χ^2/NDF:960810.9/5

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 543.597+/-0.226 χ^2/NDF:1009236.9/3

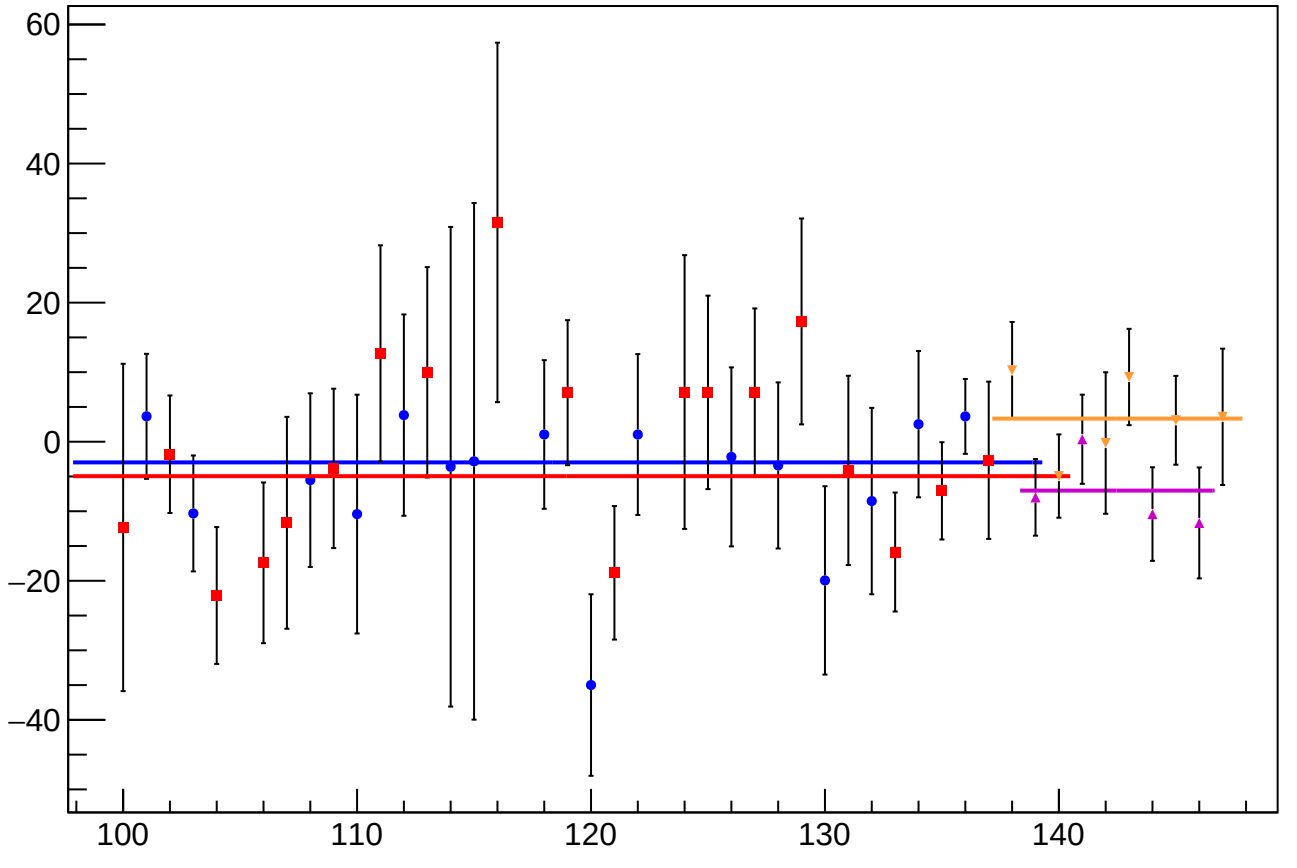
Left: 596.024+/-0.164 χ^2/NDF: 2083995.8/9

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 641.685+/-0.147 χ^2/NDF:2036407.7/19

Out: 682.250+/-0.146 χ^2/NDF:1559155.3/24

All: 661.998+/-0.104 χ^2/NDF: 3633846.1/44



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.323+/-2.963 χ^2/NDF:3.8/5

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -7.029+/-3.242 χ^2/NDF:2.0/3

Left: -1.389+/-2.187 χ^2/NDF: 11.3/9

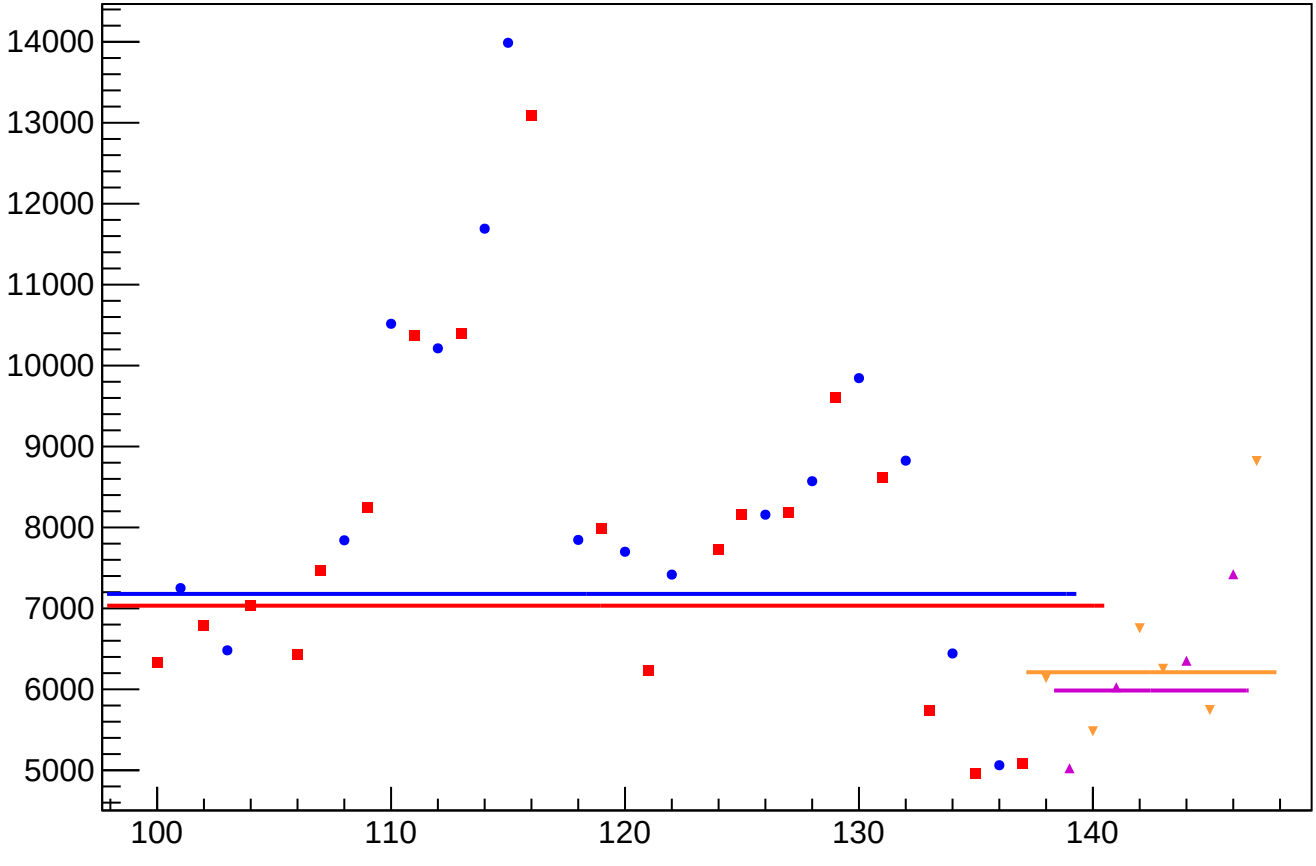
Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -4.668+/-2.095 χ^2/NDF:14.4/19

Out: -1.271+/-1.977 χ^2/NDF:26.6/24

All: -2.871+/-1.438 χ^2/NDF: 42.4/44

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6211.276+/-2.095 χ^2/NDF:188168.4/5

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 5985.433+/-2.292 χ^2/NDF:131863.1/3

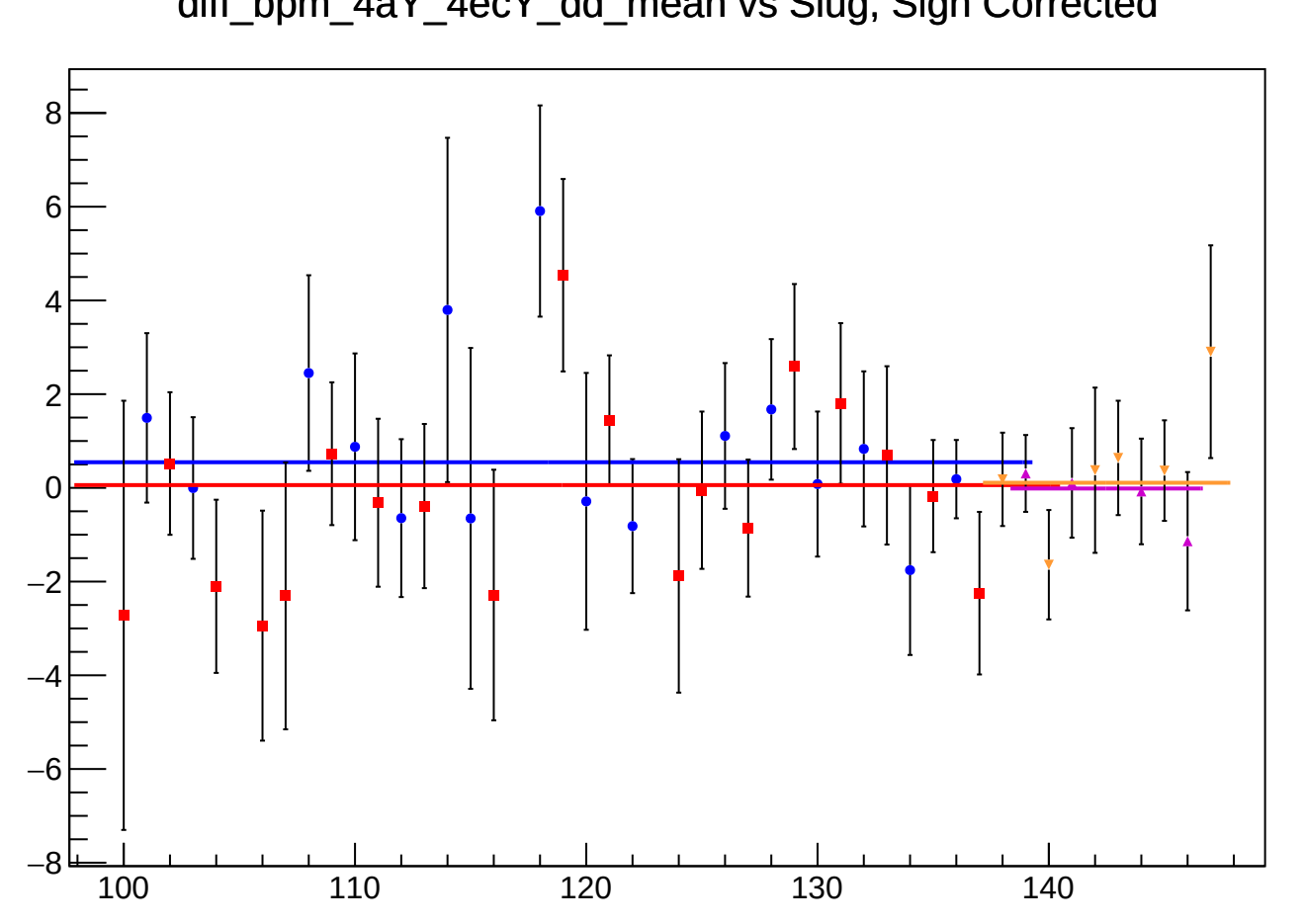
Left: 6108.493+/-1.547 χ^2/NDF: 325320.1/9

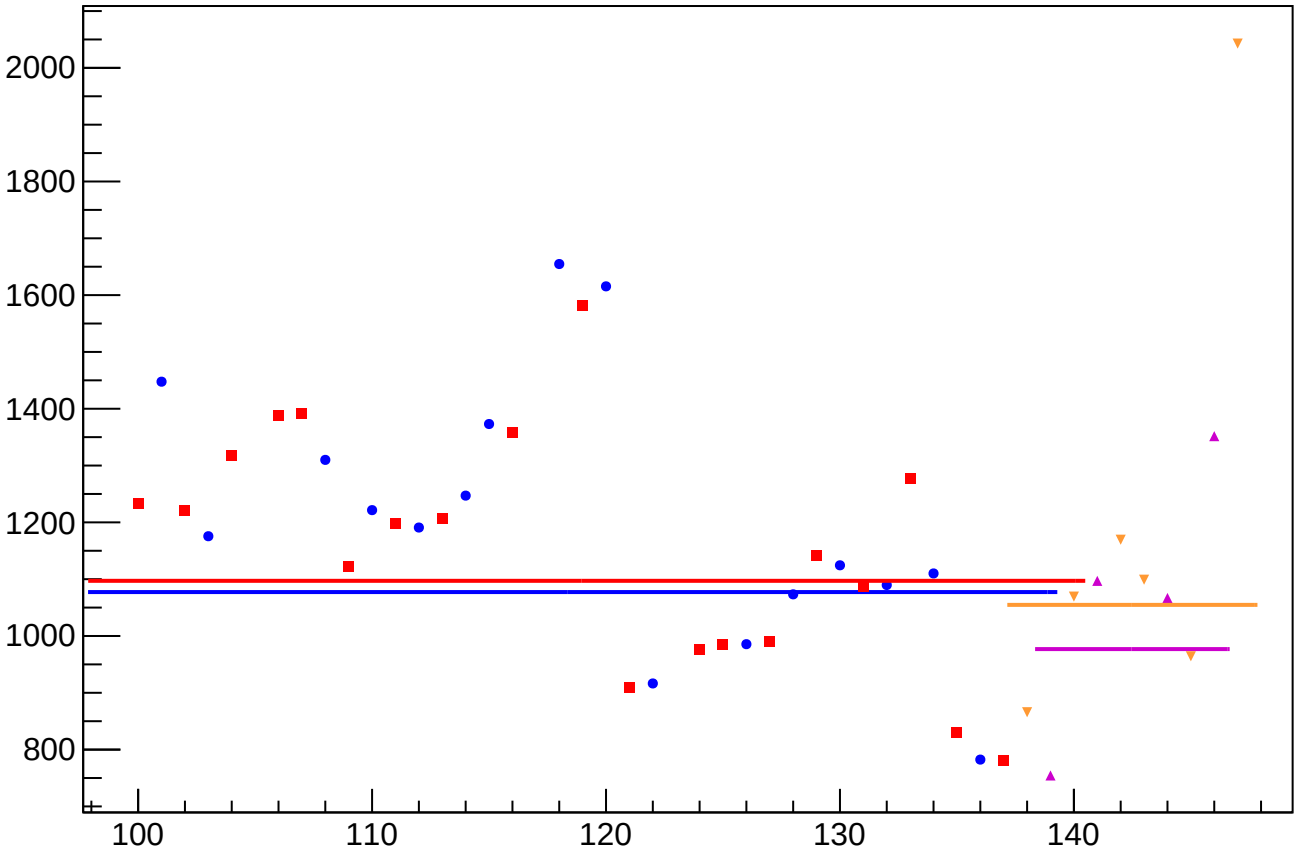
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6680.347+/-1.482 χ^2/NDF:1051620.4/19

Out: 6667.609+/-1.398 χ^2/NDF:1040044.3/24

All: 6673.607+/-1.017 χ^2/NDF: 2091703.9/44


diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
Right In: 0.547+/-0.411 χ²/NDF: 11.9/15
Left Out: 0.109+/-0.513 χ²/NDF:4.0/5
Right Out: 0.059+/-0.409 χ²/NDF: 16.9/18
Left In: -0.014+/-0.537 χ²/NDF:0.7/3
Left: 0.050+/-0.371 χ²/NDF: 4.8/9
Right: 0.302+/-0.290 χ²/NDF: 29.5/34
In: 0.340+/-0.326 χ²/NDF:13.4/19
Out: 0.079+/-0.320 χ²/NDF:20.9/24
All: 0.207+/-0.228 χ²/NDF: 34.6/44



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1054.764+/-0.363 χ^2/NDF:476375.1/5

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 976.943+/-0.380 χ^2/NDF:310056.0/3

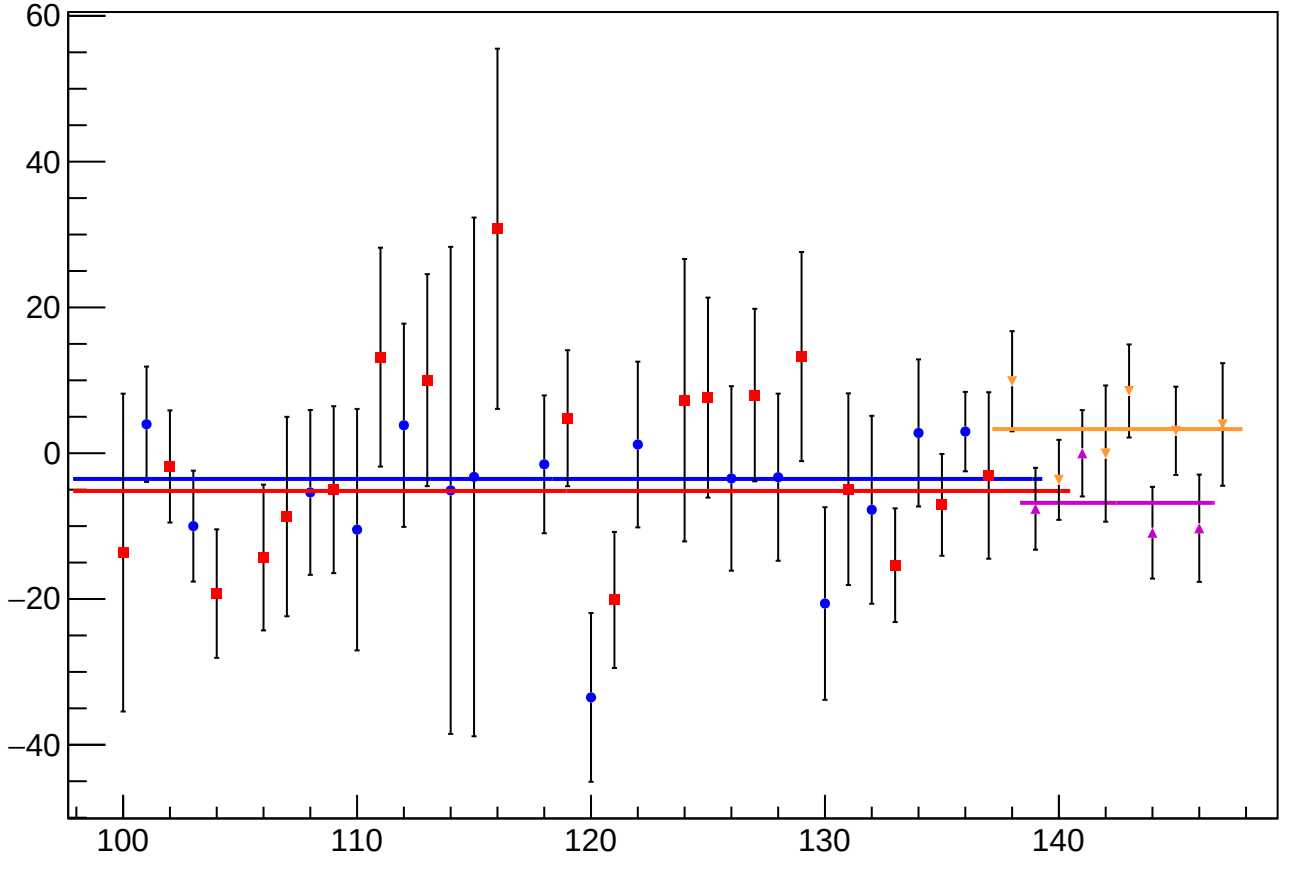
Left: 1017.632+/-0.262 χ^2/NDF: 808373.9/9

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1040.265+/-0.231 χ^2/NDF:1000618.1/19

Out: 1080.668+/-0.226 χ^2/NDF:969074.8/24

All: 1060.879+/-0.162 χ^2/NDF: 1985330.6/44



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.312+/-2.755 χ^2/NDF:3.3/5

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -6.806+/-3.102 χ^2/NDF:2.0/3

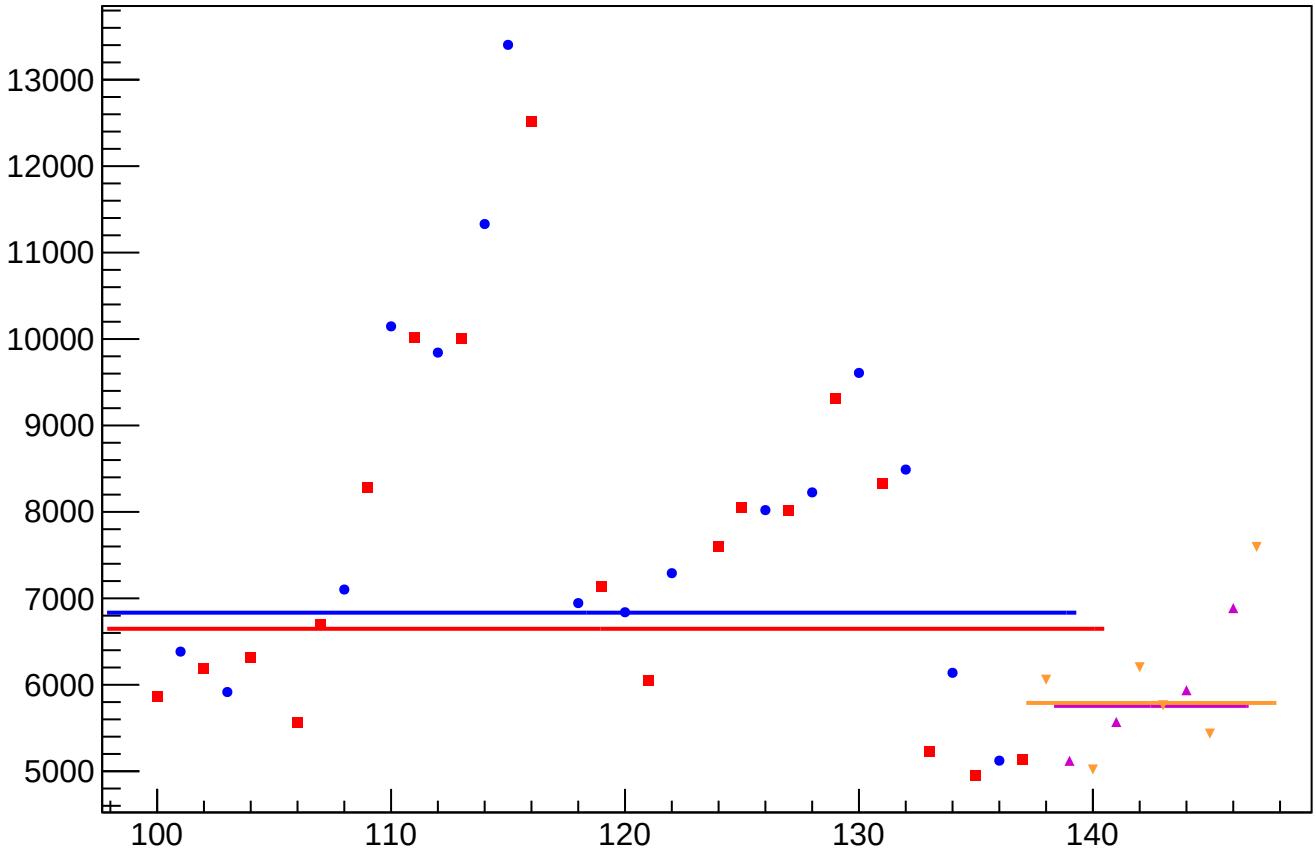
Left: -1.149+/-2.060 χ^2/NDF: 11.3/9

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -4.885+/-1.996 χ^2/NDF:15.3/19

Out: -1.329+/-1.854 χ^2/NDF:26.7/24

All: -2.976+/-1.359 χ^2/NDF: 43.7/44



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5790.088+/-1.948 χ^2/NDF:145369.7/5

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5756.079+/-2.194 χ^2/NDF:76451.8/3

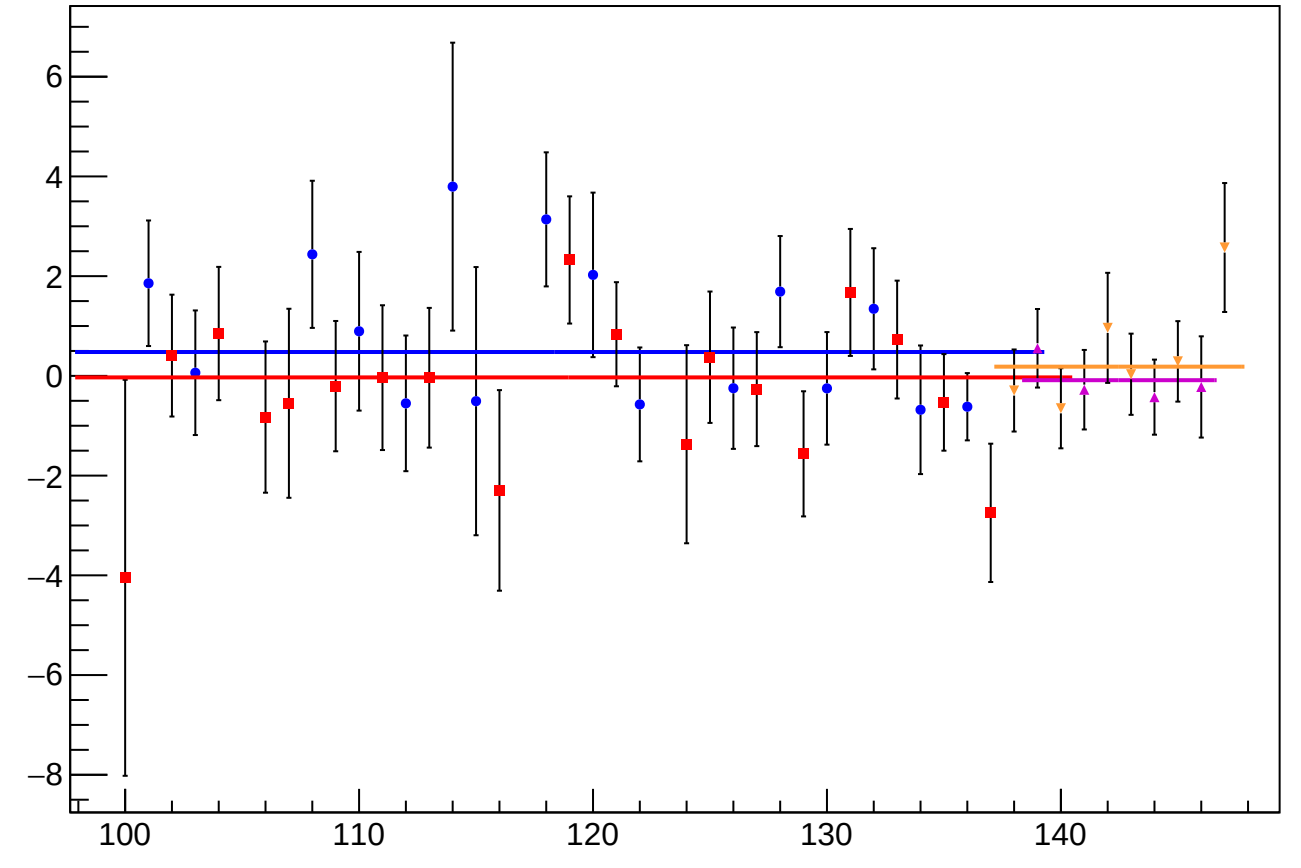
Left: 5775.094+/-1.456 χ^2/NDF: 221955.8/9

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6387.804+/-1.412 χ^2/NDF:910738.5/19

Out: 6259.167+/-1.311 χ^2/NDF:1036541.7/24

All: 6318.753+/-0.961 χ^2/NDF: 1951737.7/44



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.185+/-0.365 χ^2/NDF:5.4/5

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.086+/-0.411 χ^2/NDF:0.9/3

Left: 0.065+/-0.273 χ^2/NDF: 6.6/9

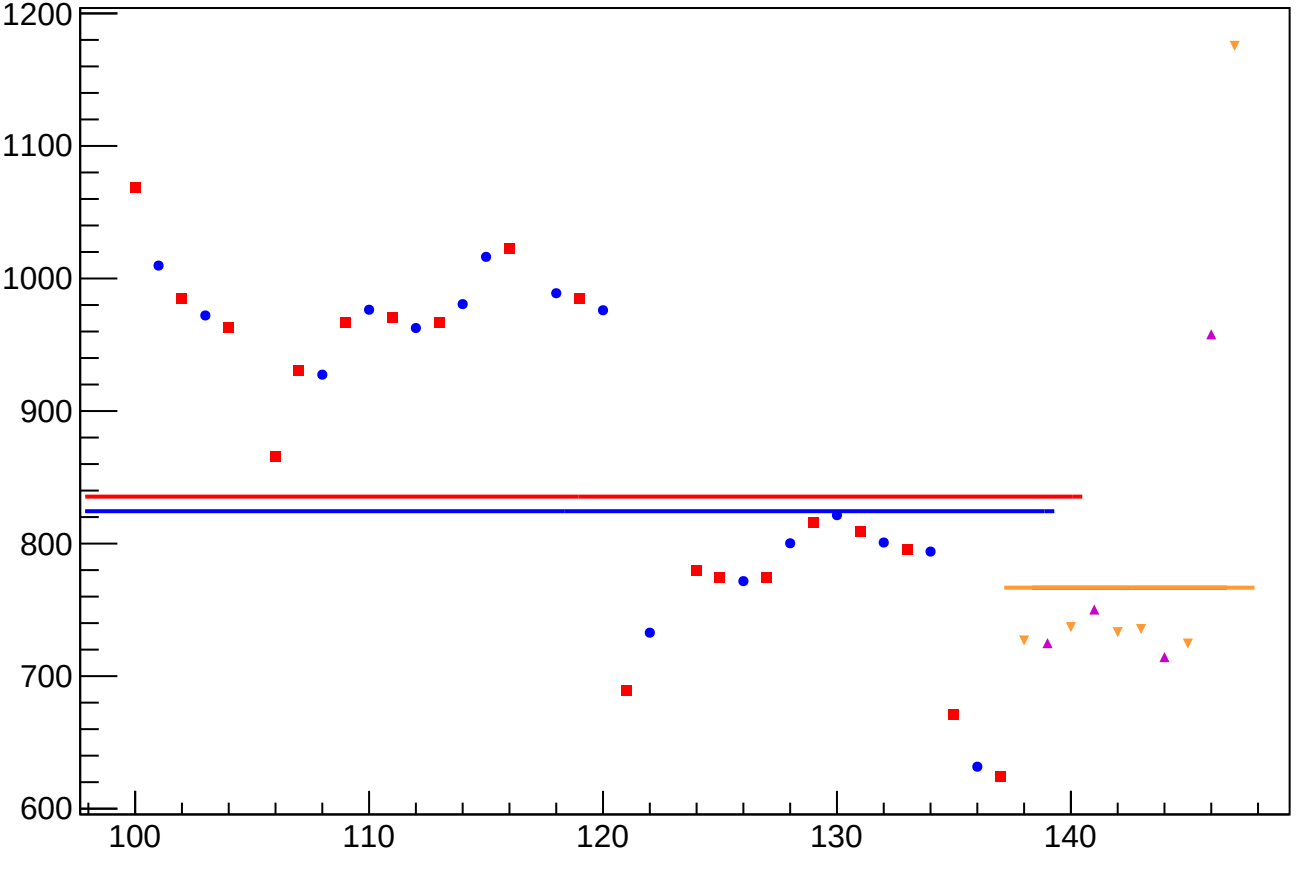
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.273+/-0.248 χ^2/NDF:18.9/19

Out: 0.059+/-0.236 χ^2/NDF:21.3/24

All: 0.161+/-0.171 χ^2/NDF: 40.6/44

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 766.741+/-0.258 χ^2/NDF:217579.5/5

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 766.689+/-0.291 χ^2/NDF:87096.8/3

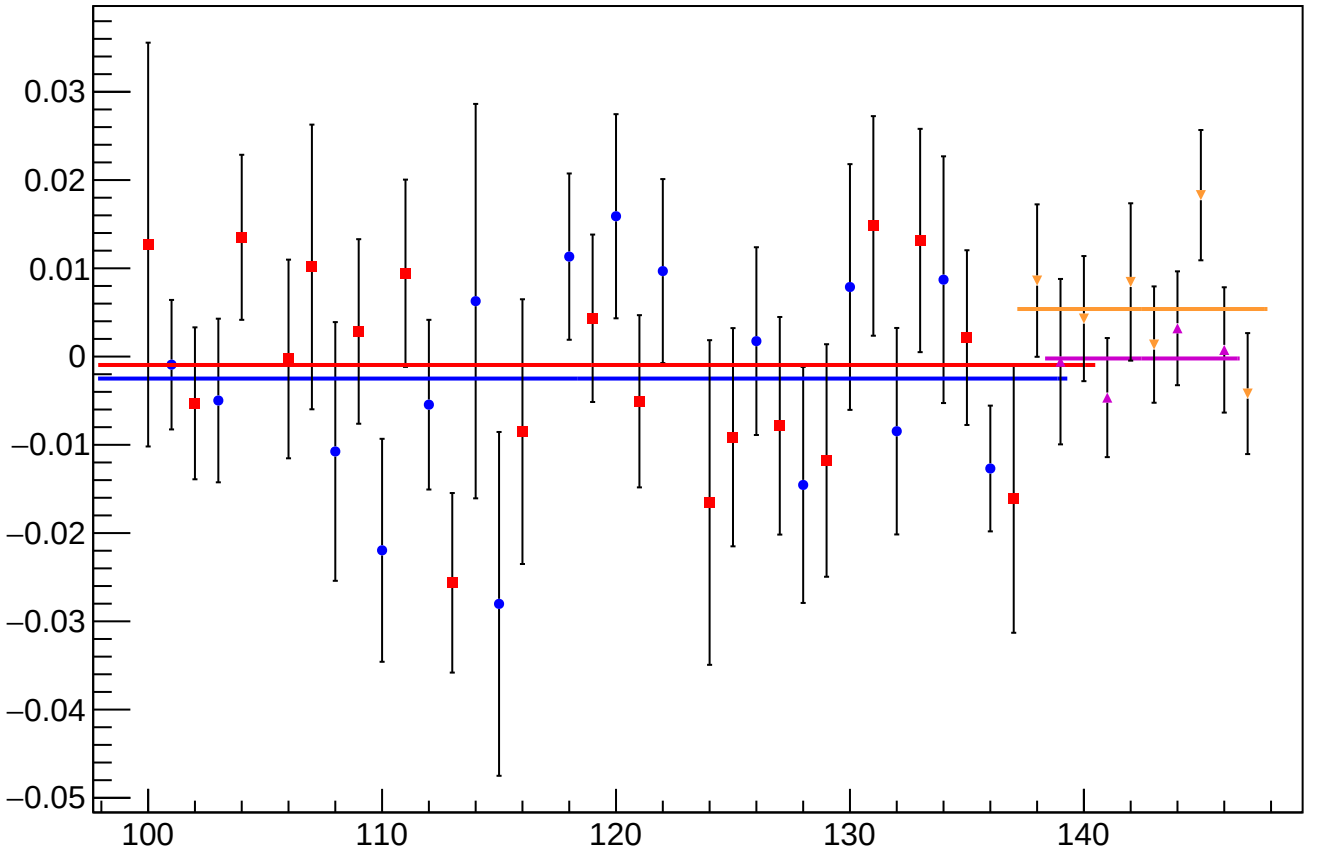
Left: 766.718+/-0.193 χ^2/NDF: 304676.4/9

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 803.429+/-0.175 χ^2/NDF:477668.4/19

Out: 806.841+/-0.167 χ^2/NDF:578151.7/24

All: 805.220+/-0.121 χ^2/NDF: 1056019.1/44



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.005+/-0.003 χ^2/NDF:5.7/5

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: -0.000+/-0.004 χ^2/NDF:0.7/3

Left: 0.003+/-0.002 χ^2/NDF: 7.8/9

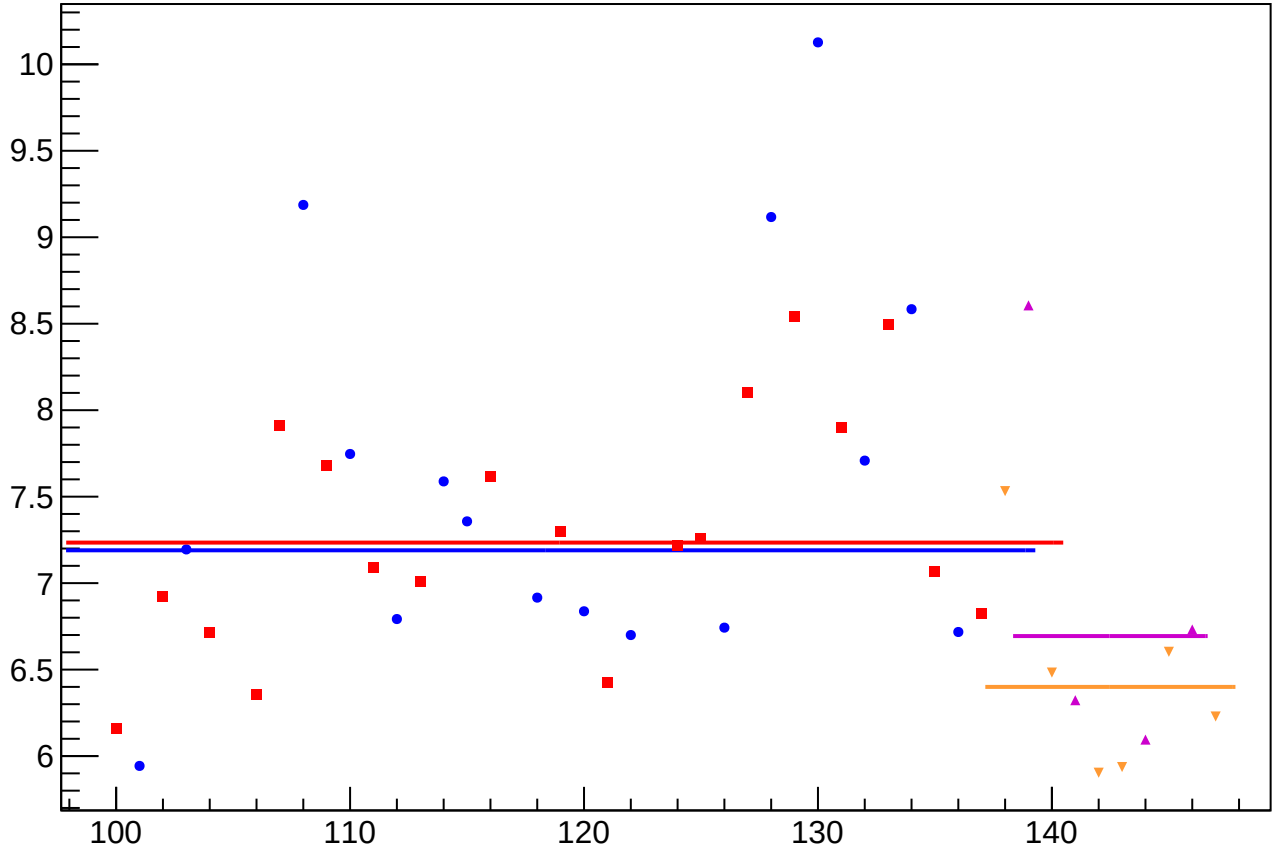
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.002+/-0.002 χ^2/NDF:16.3/19

Out: 0.002+/-0.002 χ^2/NDF:25.4/24

All: 0.000+/-0.001 χ^2/NDF: 43.1/44

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.400+/-0.002 χ^2/NDF:53467.6/5

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.694+/-0.003 χ^2/NDF:106575.2/3

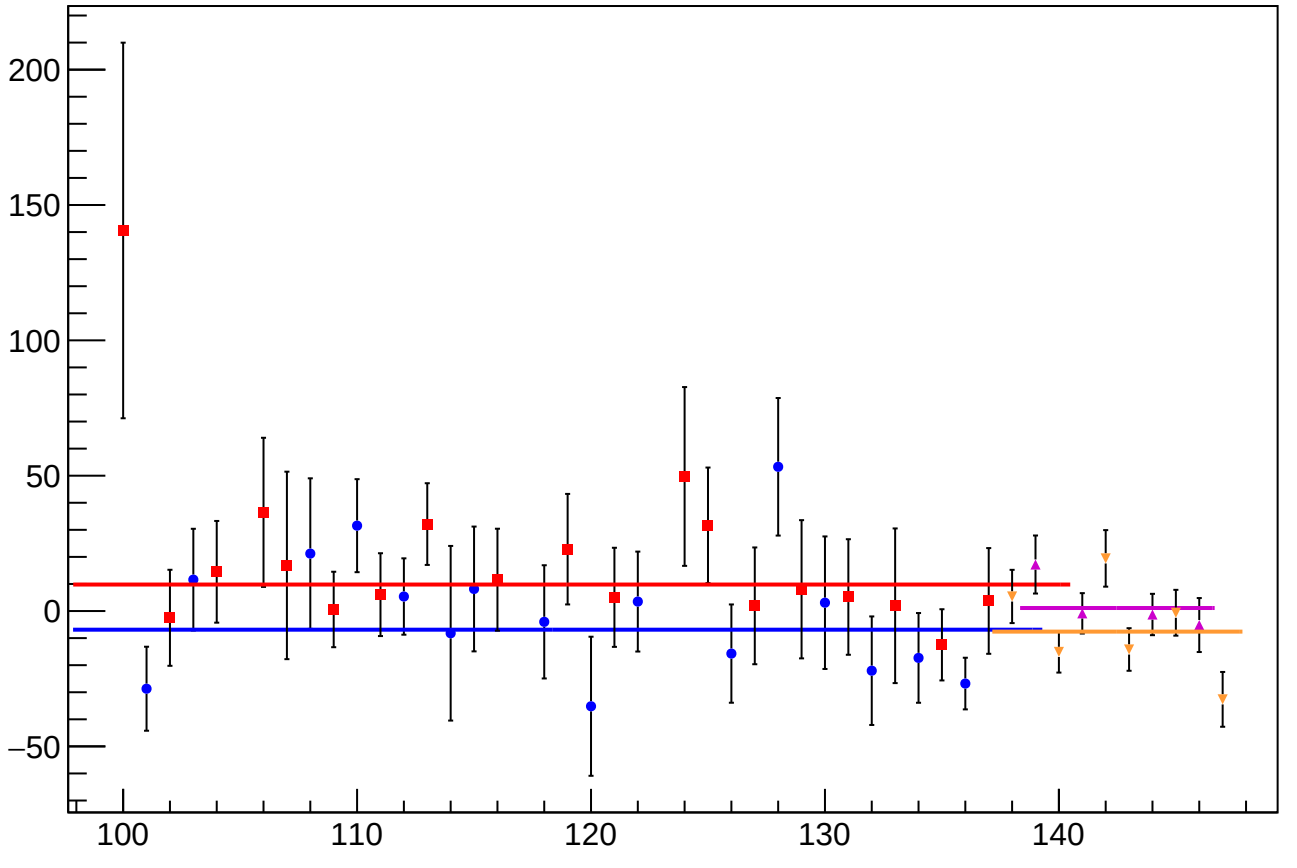
Left: 6.522+/-0.002 χ^2/NDF: 167840.9/9

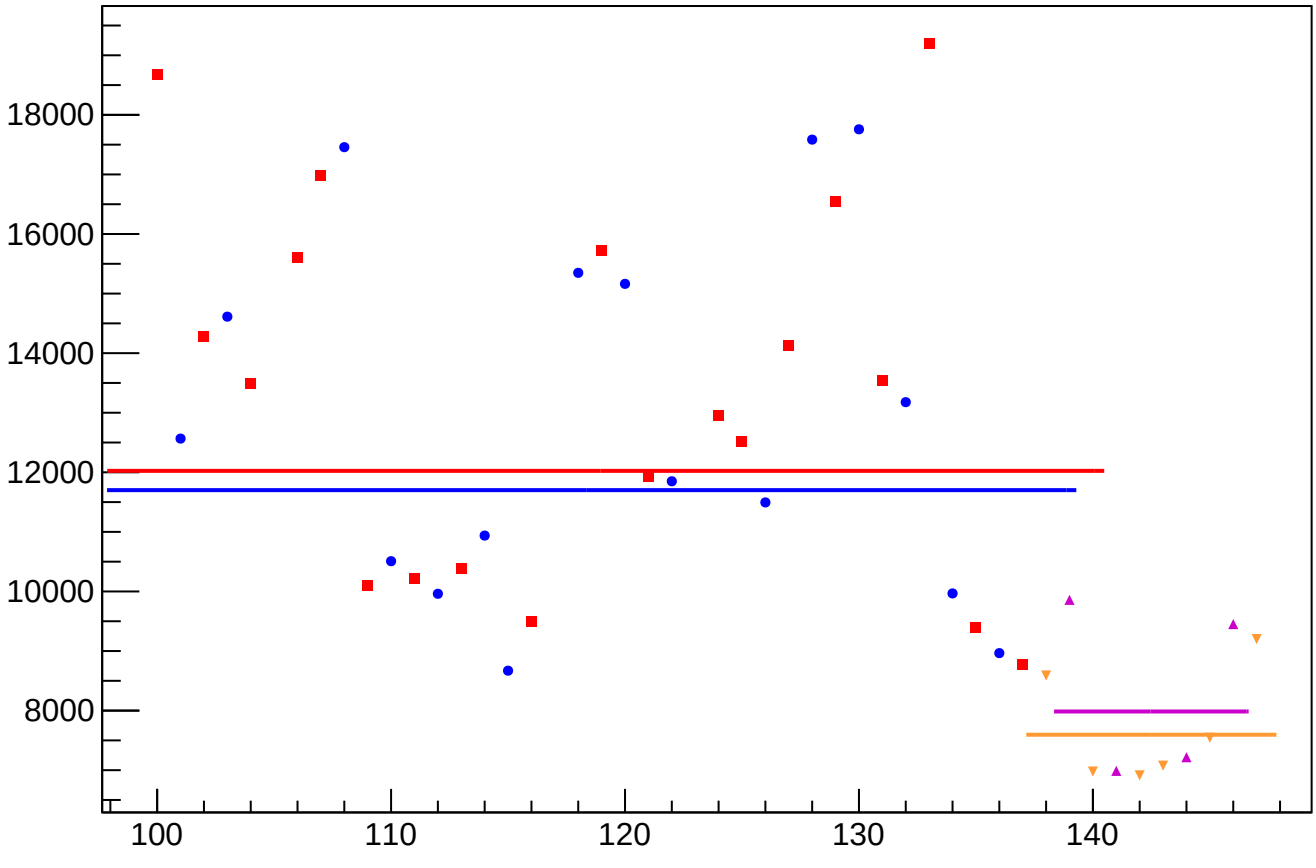
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.010+/-0.002 χ^2/NDF:408449.2/19

Out: 6.872+/-0.001 χ^2/NDF:245257.4/24

All: 6.936+/-0.001 χ^2/NDF: 658114.6/44


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -7.602+/-3.615 χ²/NDF:16.9/5
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 1.118+/-4.309 χ²/NDF:2.8/3
Left: -4.000+/-2.769 χ²/NDF: 22.1/9
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: -2.723+/-3.108 χ²/NDF:27.5/19
Out: -0.813+/-2.822 χ²/NDF:39.9/24
All: -1.676+/-2.090 χ²/NDF: 67.6/44



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7595.108+/-2.556 χ^2/NDF:101179.5/5

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 7985.274+/-3.047 χ^2/NDF:160285.0/3

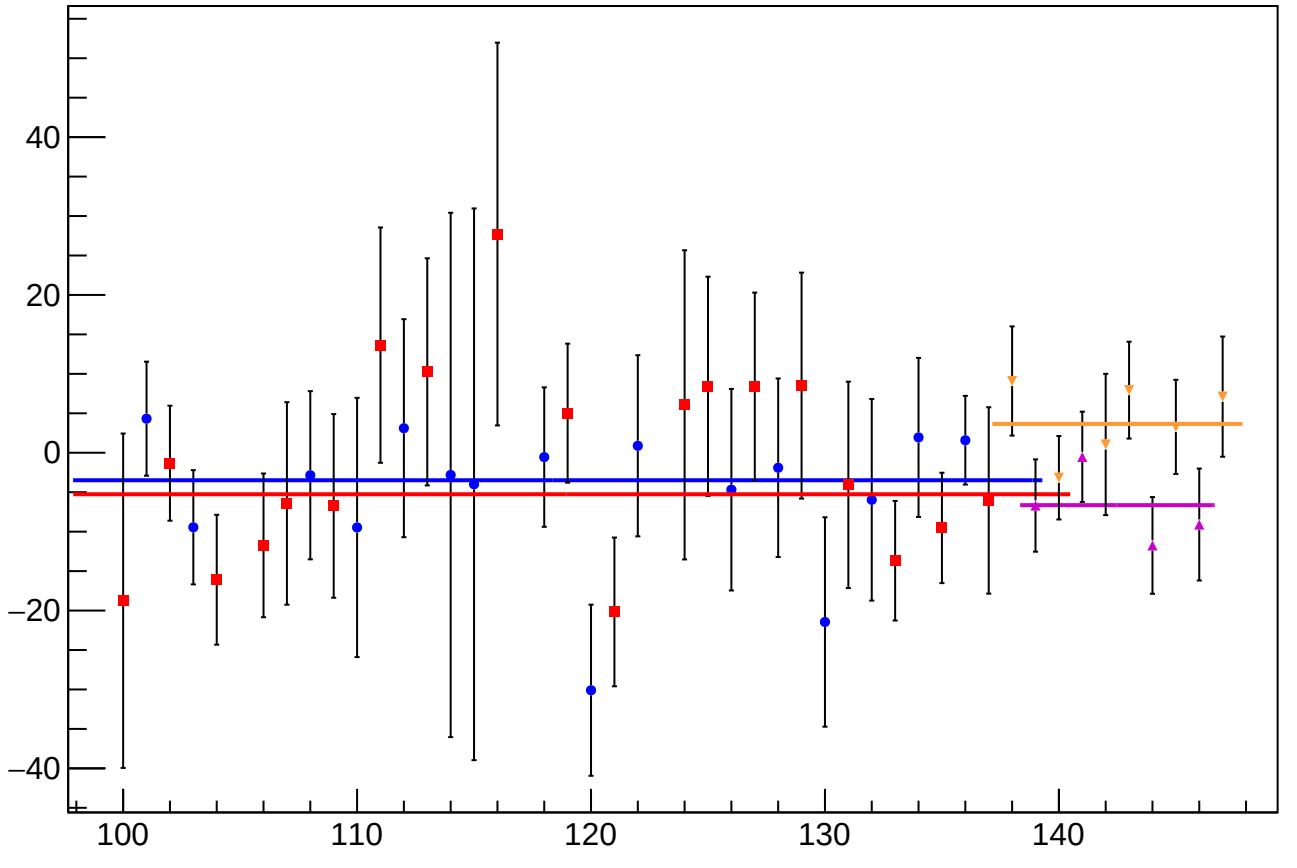
Left: 7756.267+/-1.958 χ^2/NDF: 271089.1/9

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9767.219+/-2.198 χ^2/NDF:1613618.5/19

Out: 9324.047+/-1.996 χ^2/NDF:1958107.9/24

All: 9524.311+/-1.478 χ^2/NDF: 3594009.5/44



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.652+/-2.663 χ^2/NDF:3.1/5

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -6.640+/-3.068 χ^2/NDF:2.0/3

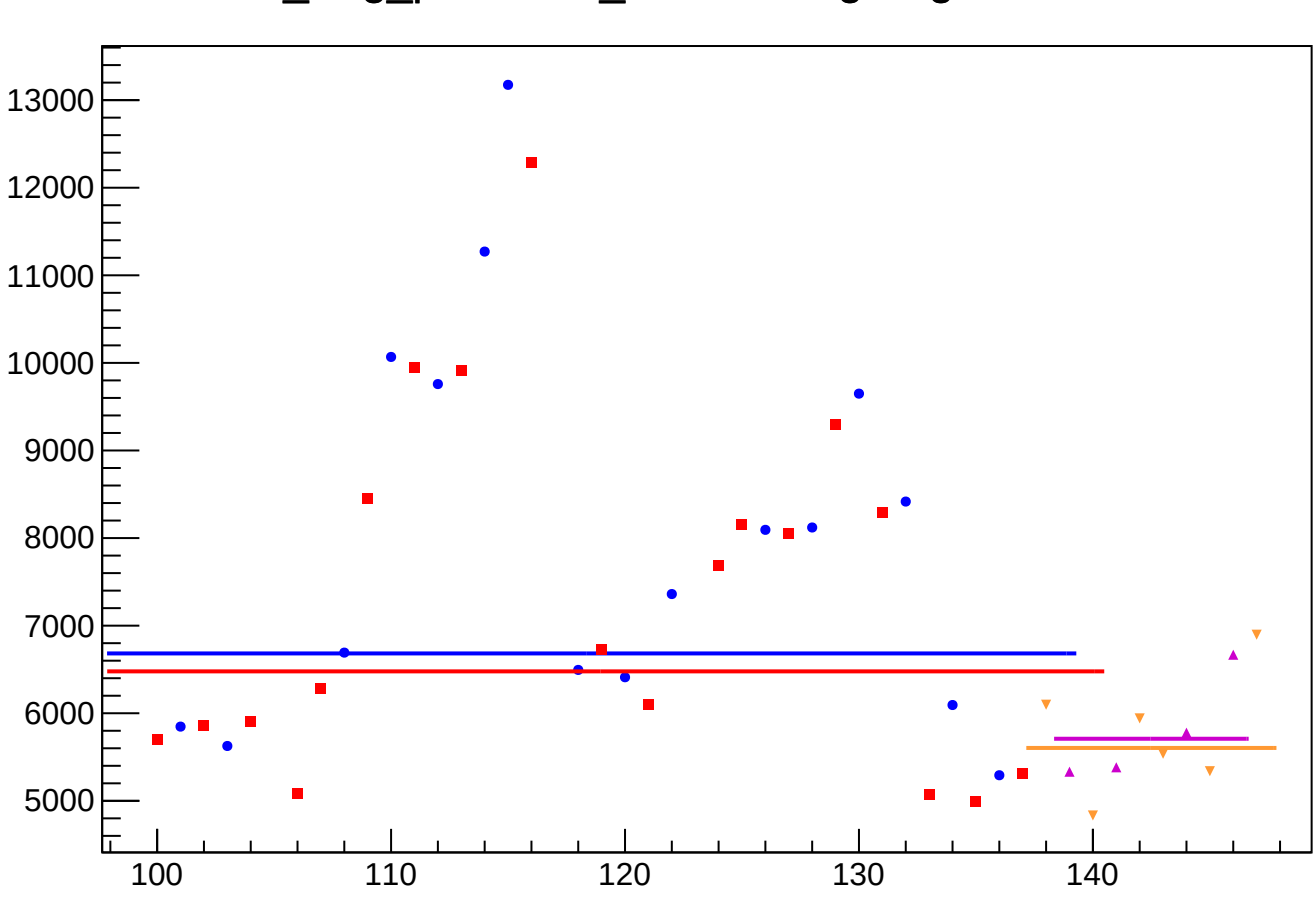
Left: -0.769+/-2.011 χ^2/NDF: 11.4/9

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -4.774+/-1.961 χ^2/NDF:14.1/19

Out: -1.181+/-1.802 χ^2/NDF:25.7/24

All: -2.825+/-1.327 χ^2/NDF: 41.6/44



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5603.901+/-1.883 χ^2/NDF:117405.3/5

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5708.914+/-2.170 χ^2/NDF:51599.5/3

Left: 5649.013+/-1.422 χ^2/NDF: 170341.0/9

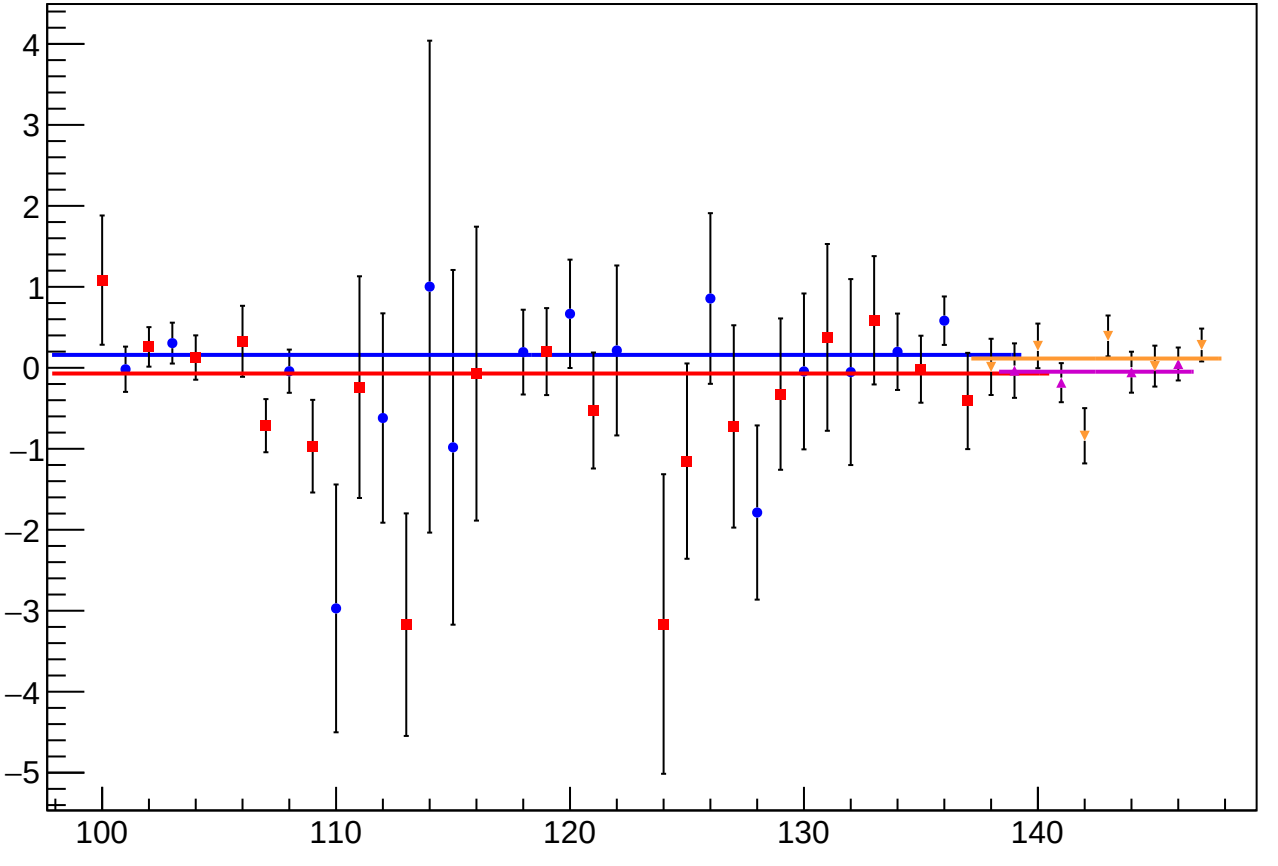
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6285.146+/-1.387 χ^2/NDF:863027.1/19

Out: 6078.003+/-1.274 χ^2/NDF:1073532.8/24

All: 6172.810+/-0.938 χ^2/NDF: 1948661.9/44

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.115+/-0.108 χ^2/NDF:10.3/5

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.048+/-0.123 χ^2/NDF:0.5/3

Left: 0.044+/-0.081 χ^2/NDF: 11.8/9

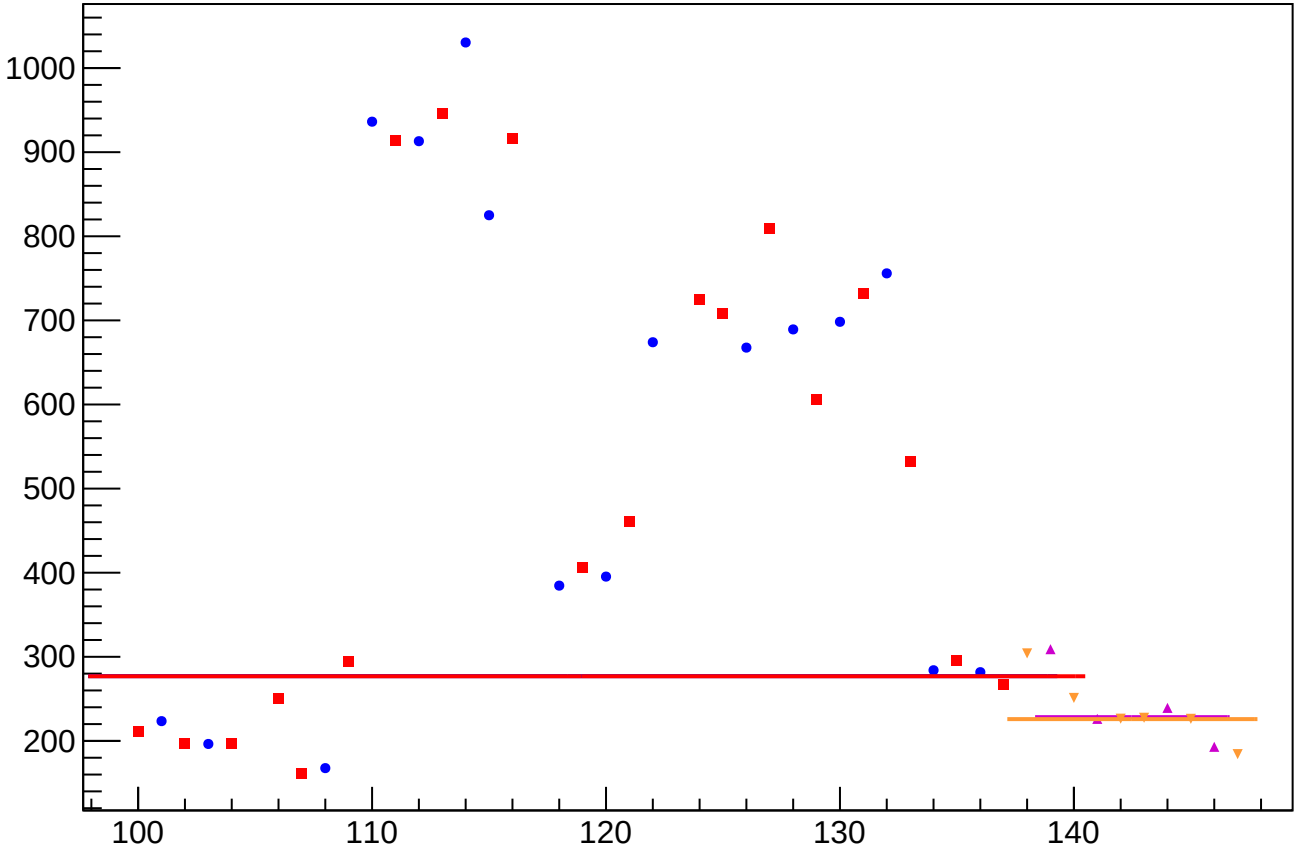
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.059+/-0.086 χ^2/NDF:14.6/19

Out: 0.032+/-0.080 χ^2/NDF:34.0/24

All: 0.044+/-0.059 χ^2/NDF: 48.7/44

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 225.919+/-0.076 χ^2/NDF:202630.7/5

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 228.259+/-0.087 χ^2/NDF:179427.3/3

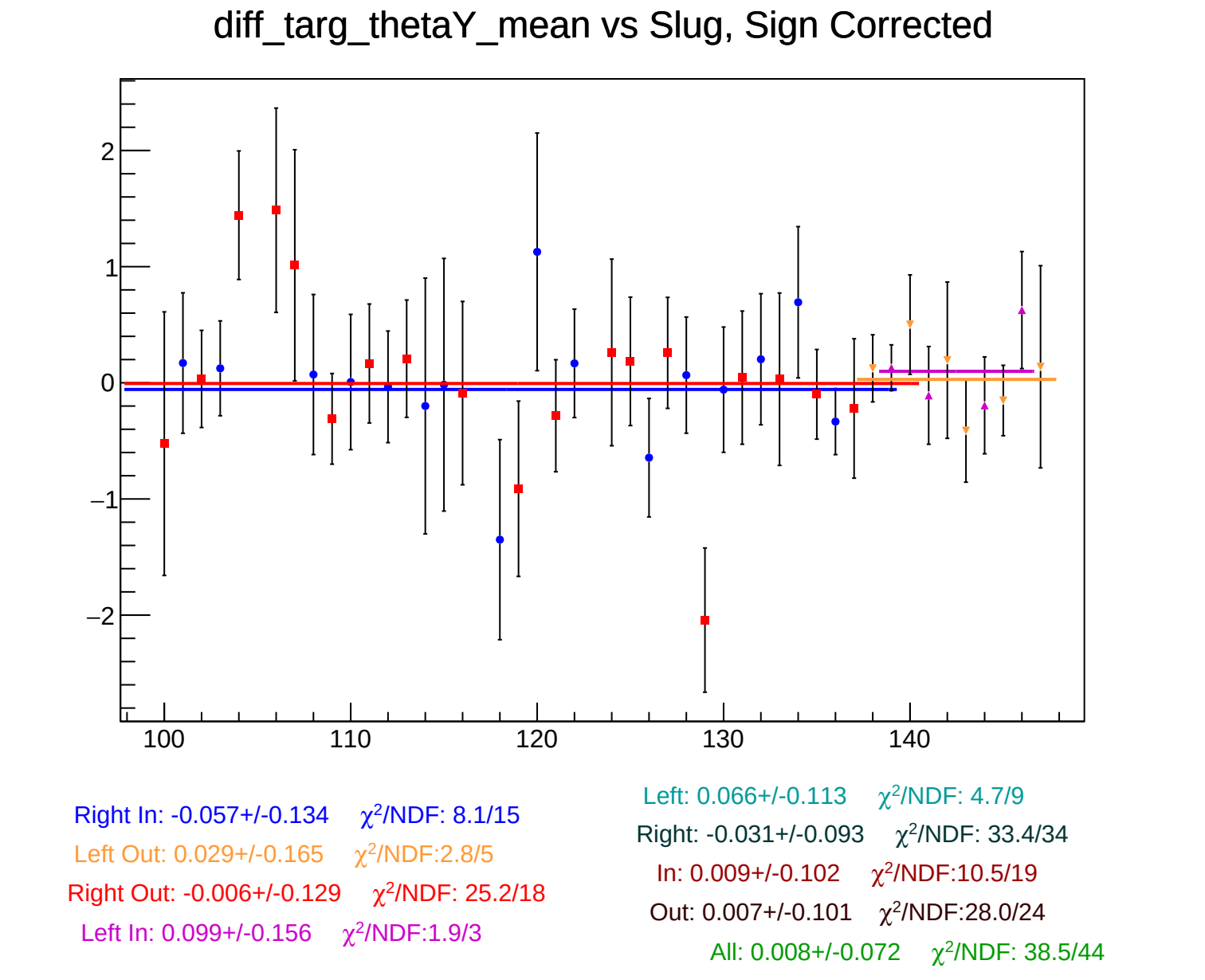
Left: 226.935+/-0.057 χ^2/NDF: 382466.0/9

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

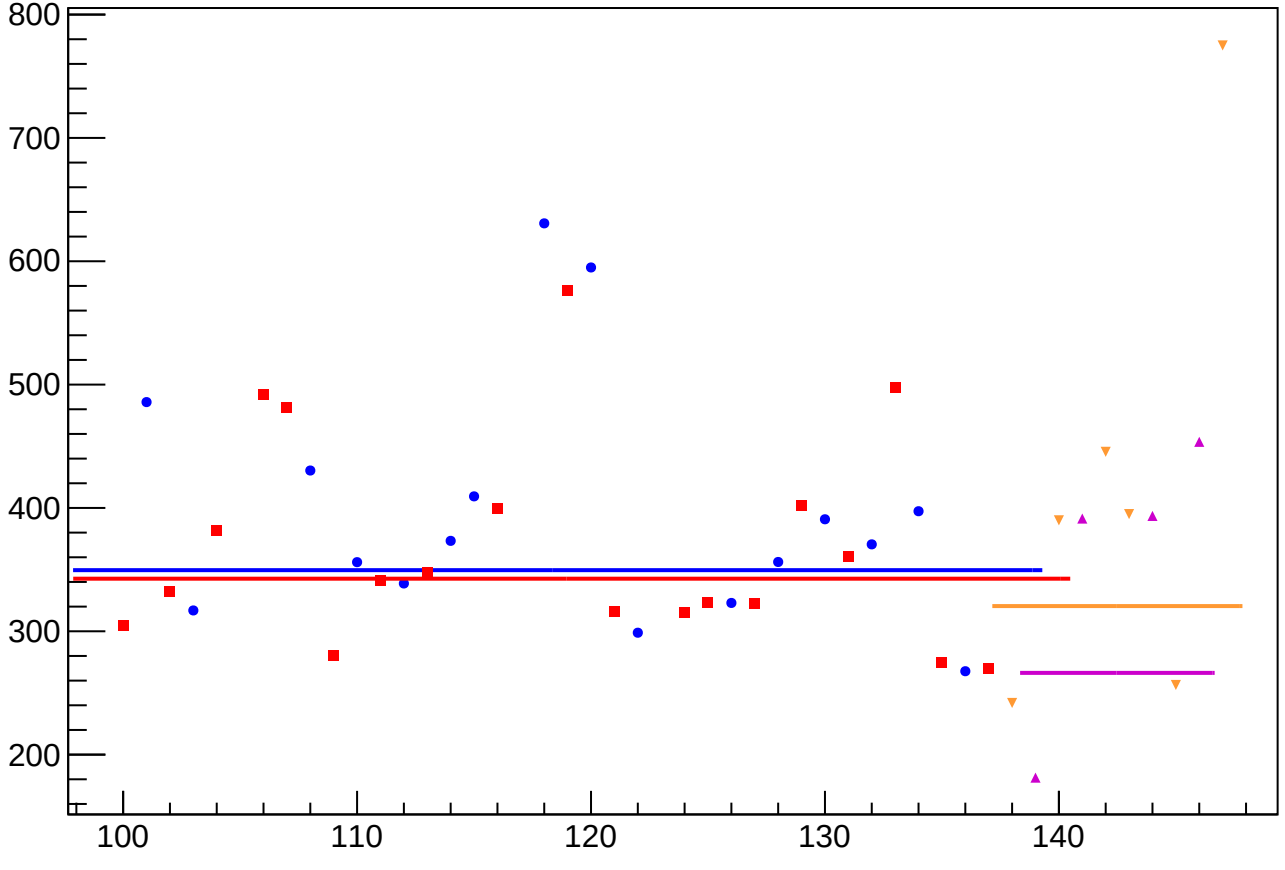
In: 253.380+/-0.061 χ^2/NDF:3791151.8/19

Out: 248.779+/-0.057 χ^2/NDF:3973994.8/24

All: 250.923+/-0.041 χ^2/NDF: 7768215.1/44


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.029+/-0.165 χ²/NDF:2.8/5
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.099+/-0.156 χ²/NDF:1.9/3
Left: 0.066+/-0.113 χ²/NDF: 4.7/9
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: 0.009+/-0.102 χ²/NDF:10.5/19
Out: 0.007+/-0.101 χ²/NDF:28.0/24
All: 0.008+/-0.072 χ²/NDF: 38.5/44

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 320.430+/-0.116 χ^2/NDF:960810.9/5

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 266.273+/-0.110 χ^2/NDF:1009236.9/3

Left: 291.954+/-0.080 χ^2/NDF: 2083995.8/9

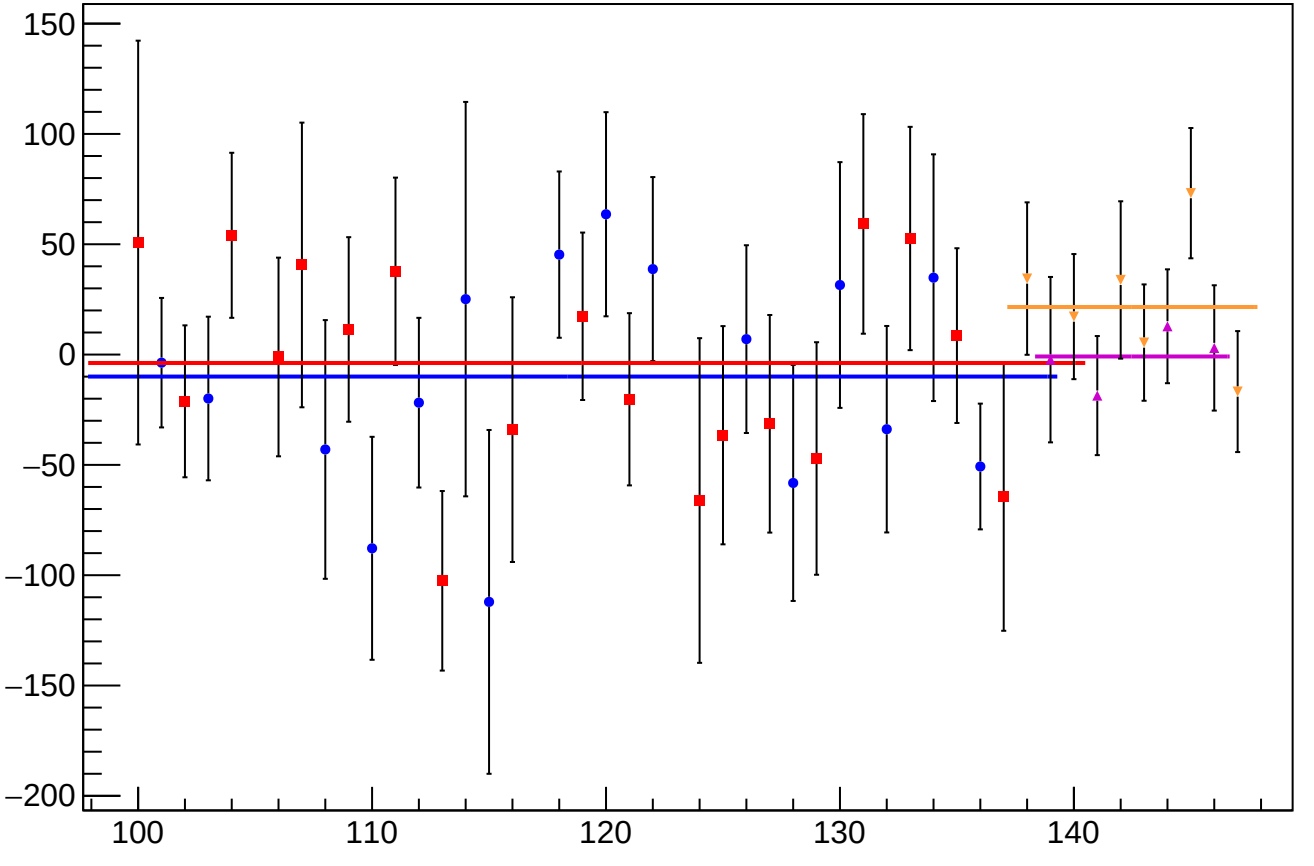
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 314.321+/-0.072 χ^2/NDF:2036407.7/19

Out: 334.191+/-0.072 χ^2/NDF:1559155.3/24

All: 324.270+/-0.051 χ^2/NDF: 3633846.1/44

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.865+/-14.395 χ^2/NDF:0.7/3

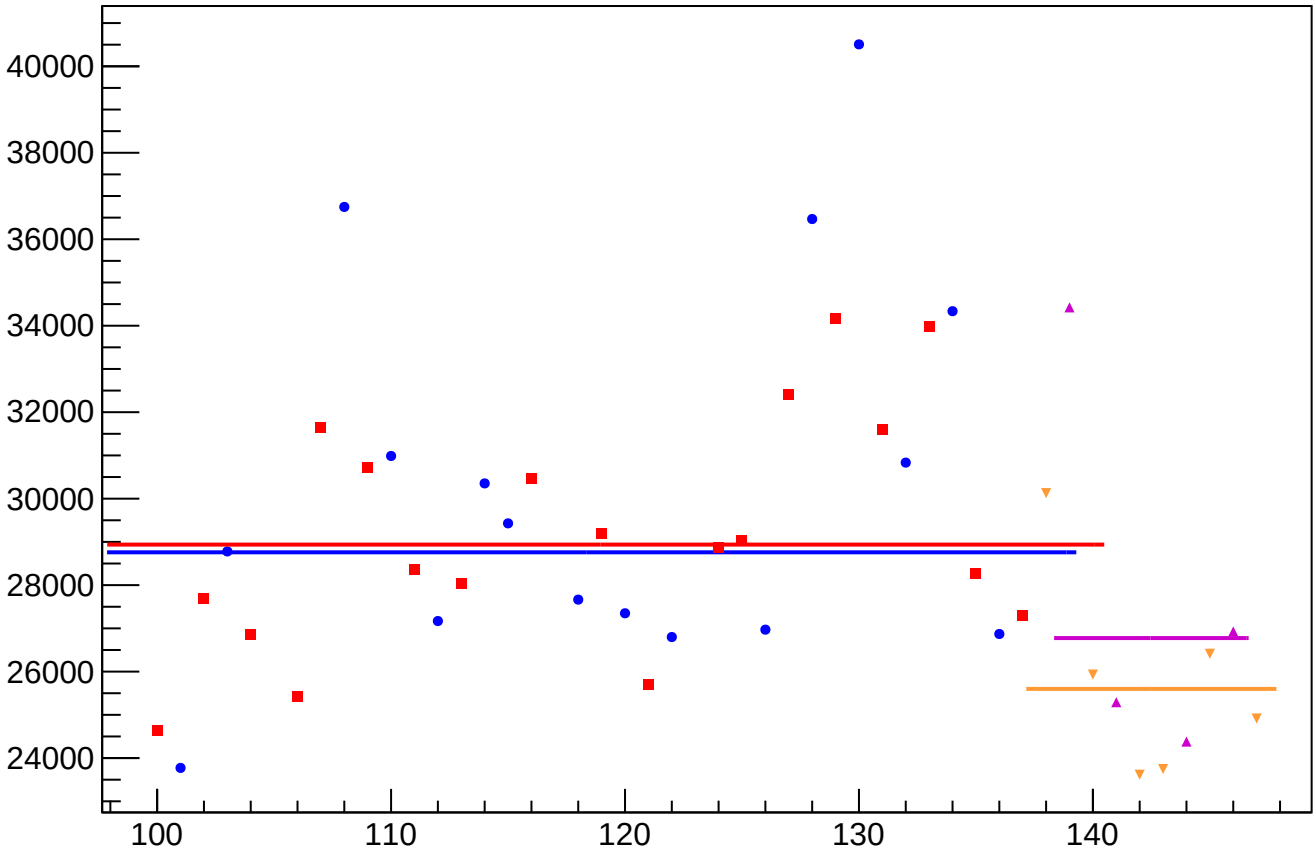
Left: 12.237+/-9.281 χ^2/NDF: 7.8/9

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -6.676+/-8.657 χ^2/NDF:16.3/19

Out: 7.203+/-8.000 χ^2/NDF:25.4/24

All: 0.810+/-5.876 χ^2/NDF: 43.1/44



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25599.838+/-8.585 χ^2/NDF:53467.6/5

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

Left: 26088.606+/-6.563 χ^2/NDF: 167840.9/9

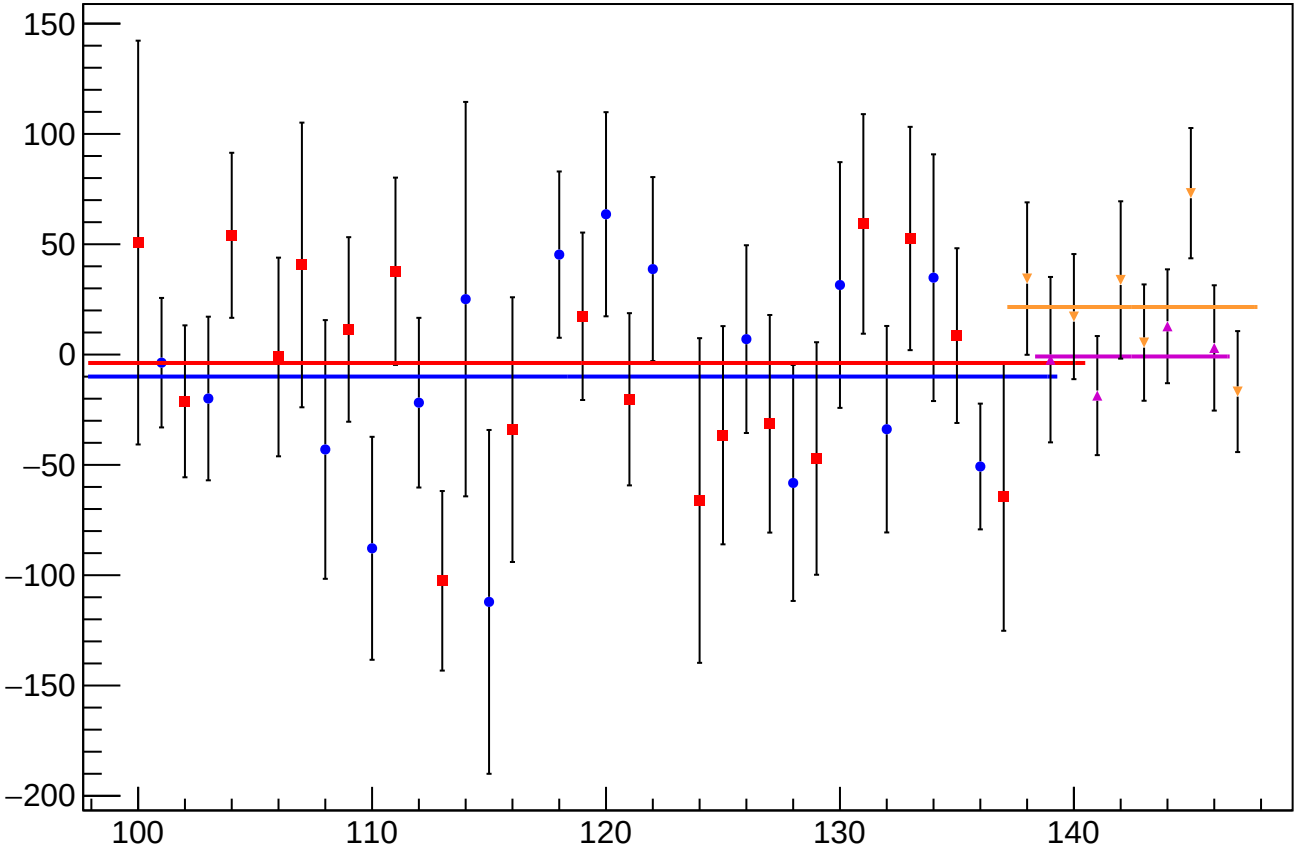
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28041.704+/-6.122 χ^2/NDF:408449.2/19

Out: 27488.286+/-5.657 χ^2/NDF:245257.4/24

All: 27743.198+/-4.155 χ^2/NDF: 658114.6/44

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.865+/-14.395 χ^2/NDF:0.7/3

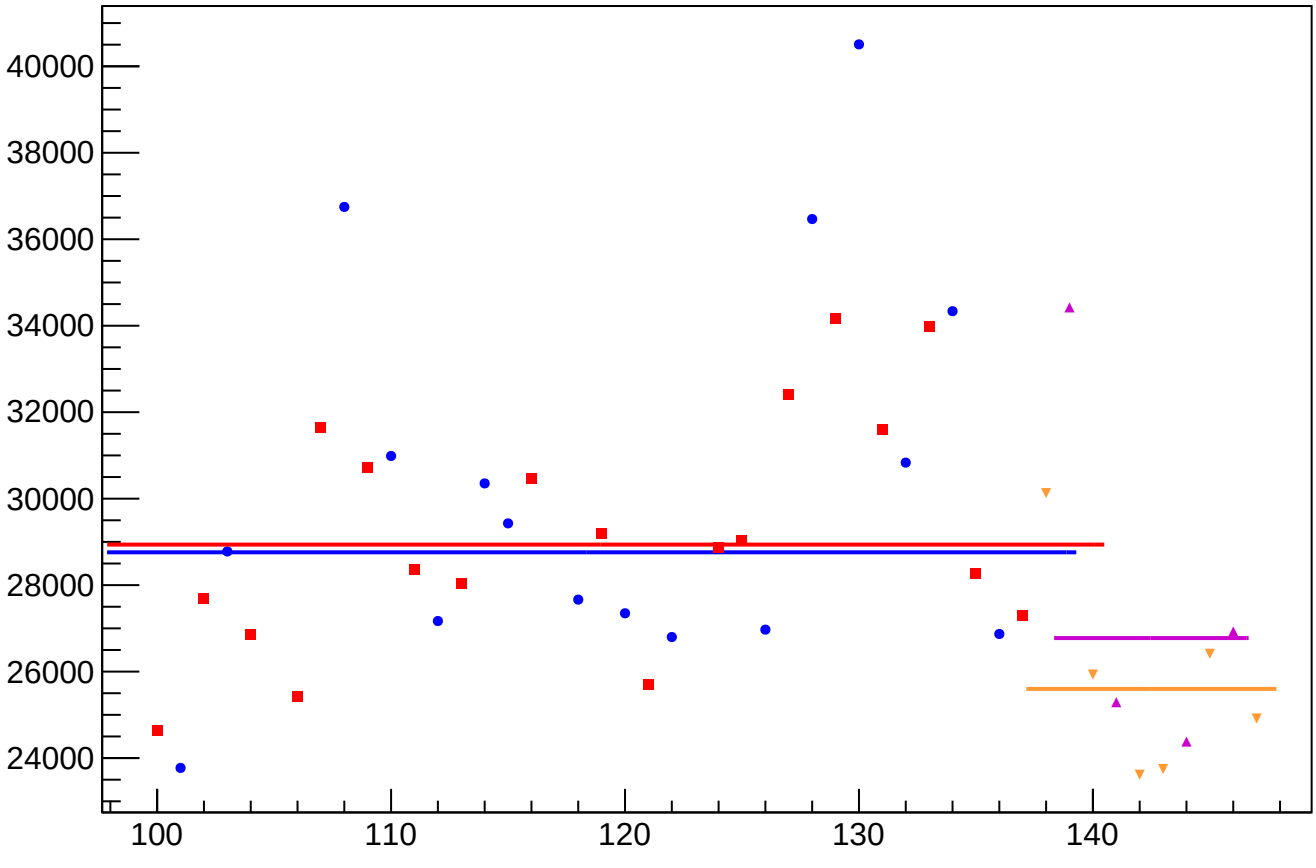
Left: 12.237+/-9.281 χ^2/NDF: 7.8/9

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -6.676+/-8.657 χ^2/NDF:16.3/19

Out: 7.203+/-8.000 χ^2/NDF:25.4/24

All: 0.810+/-5.876 χ^2/NDF: 43.1/44



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25599.838+/-8.585 χ^2/NDF:53467.6/5

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

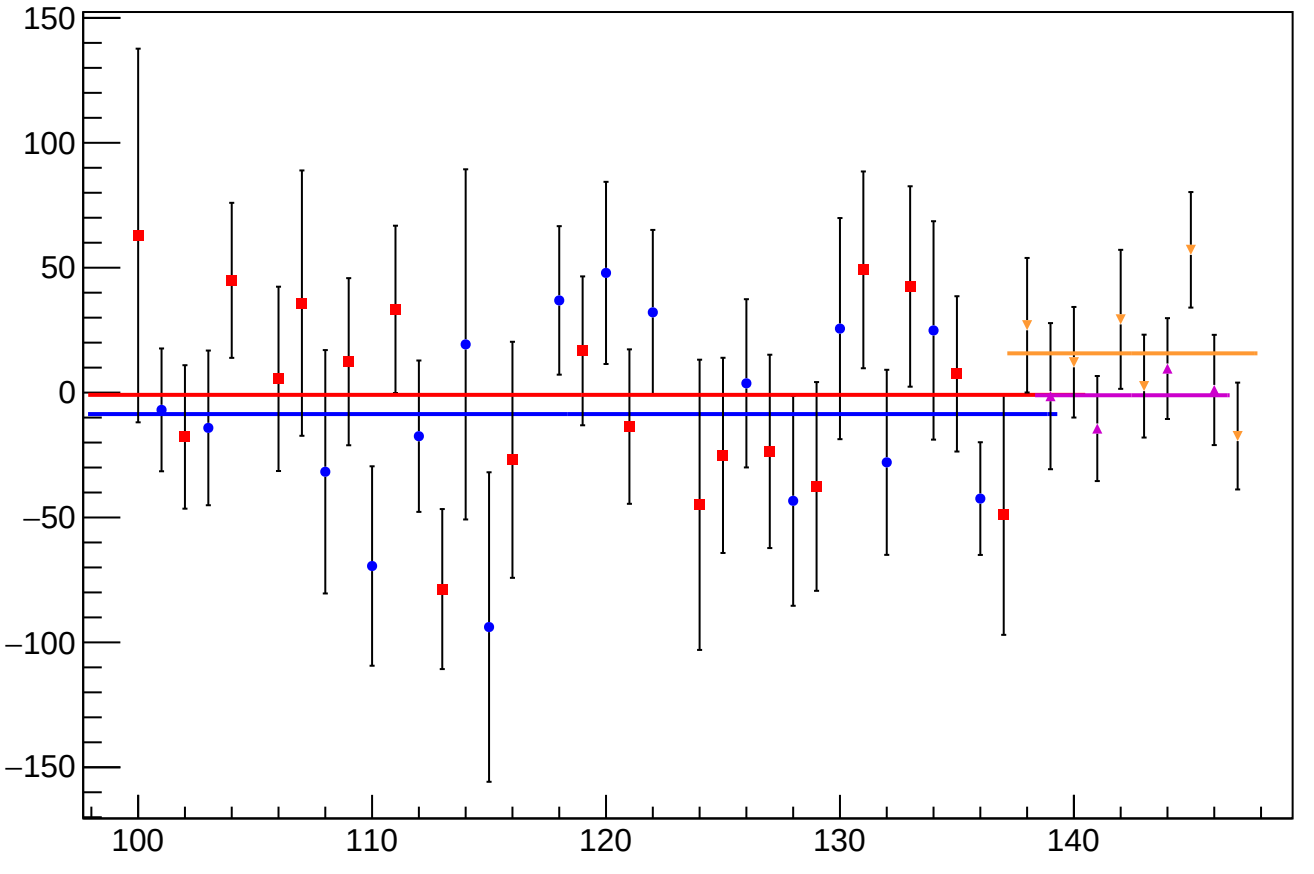
Left: 26088.606+/-6.563 χ^2/NDF: 167840.9/9

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

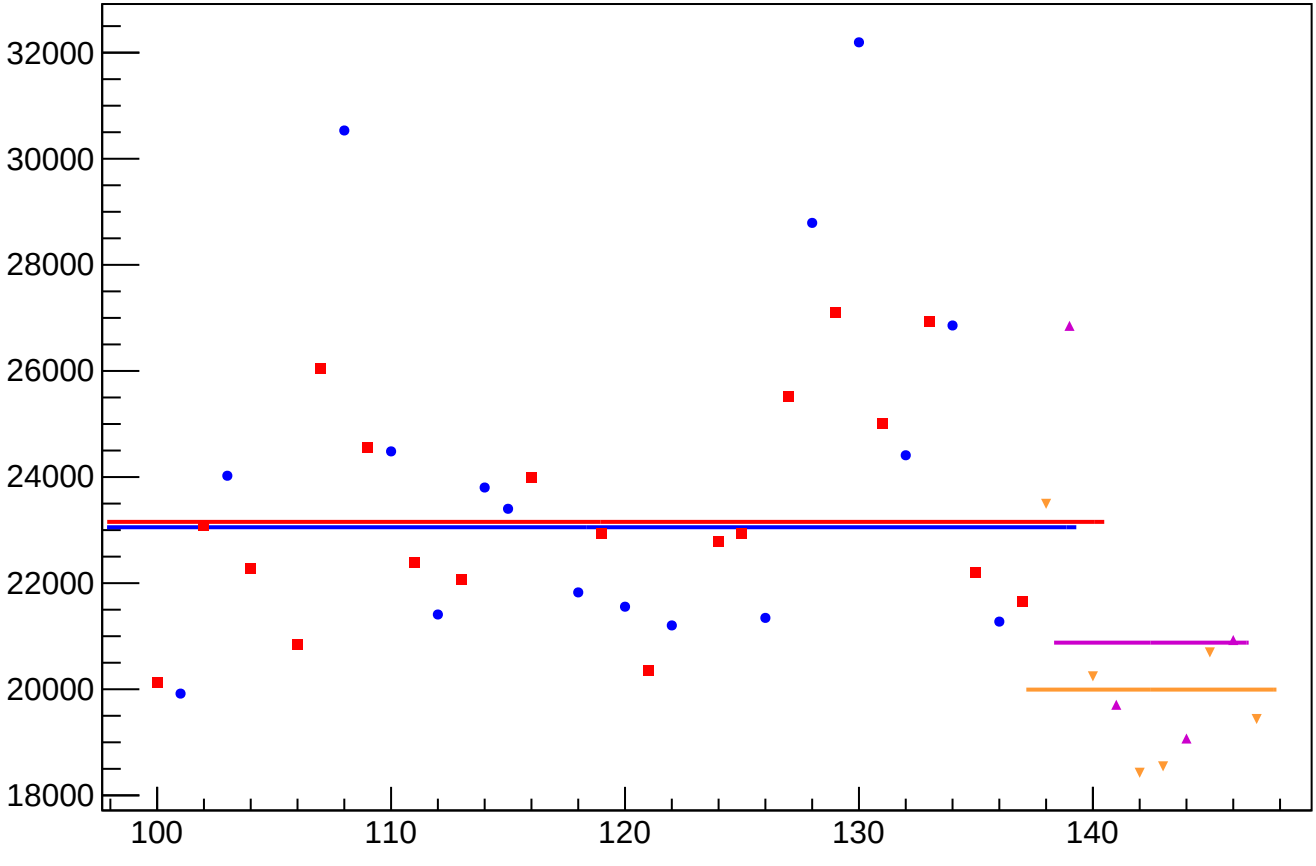
In: 28041.704+/-6.122 χ^2/NDF:408449.2/19

Out: 27488.286+/-5.657 χ^2/NDF:245257.4/24

All: 27743.198+/-4.155 χ^2/NDF: 658114.6/44


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 15.713+/-9.481 χ²/NDF:6.5/5
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: -1.063+/-11.224 χ²/NDF:0.7/3
Left: 8.728+/-7.243 χ²/NDF: 8.4/9
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -5.780+/-6.866 χ²/NDF:16.5/19
Out: 6.507+/-6.331 χ²/NDF:25.7/24
All: 0.860+/-4.654 χ²/NDF: 44.0/44

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 19993.540+/-6.704 χ^2/NDF:53472.1/5

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20878.606+/-7.937 χ^2/NDF:105597.4/3

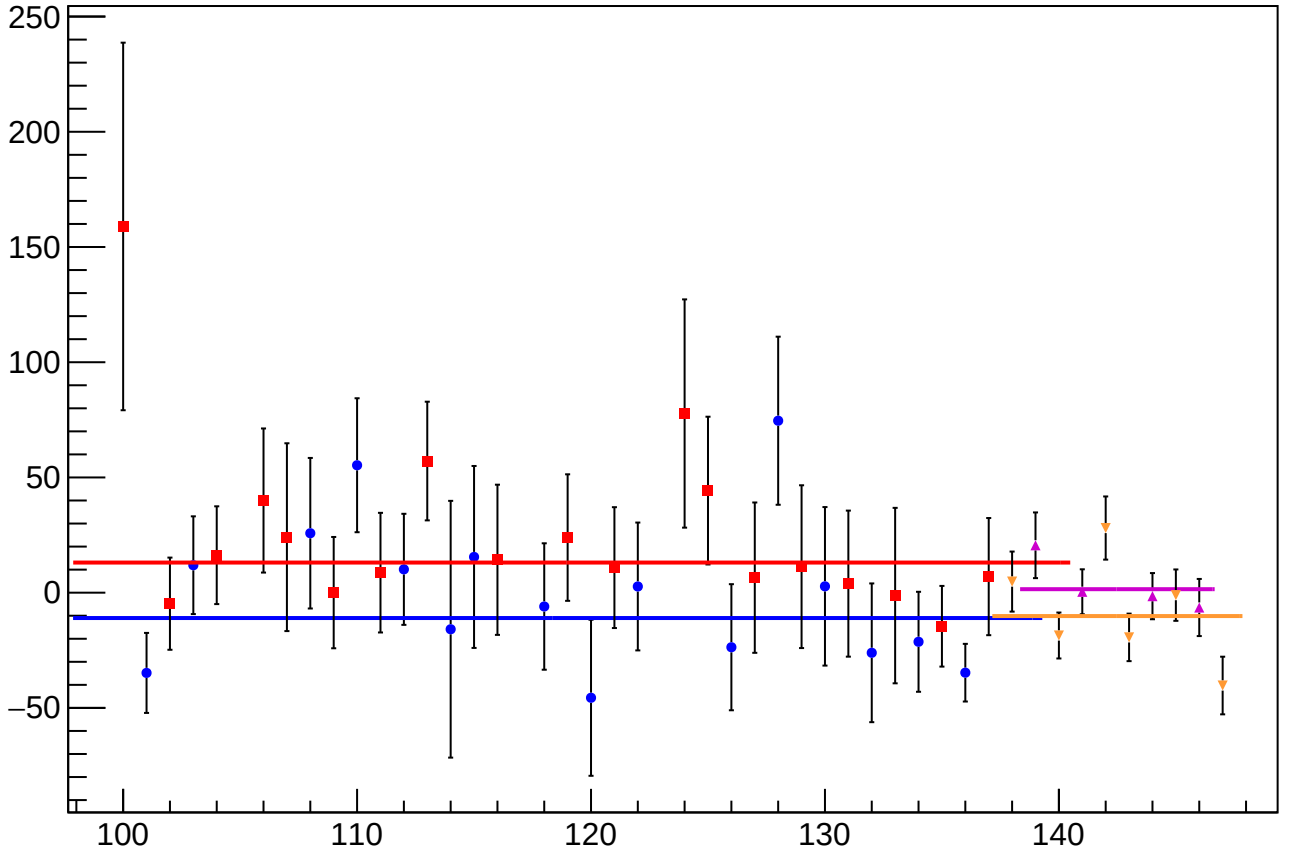
Left: 20362.075+/-5.121 χ^2/NDF: 166327.1/9

Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

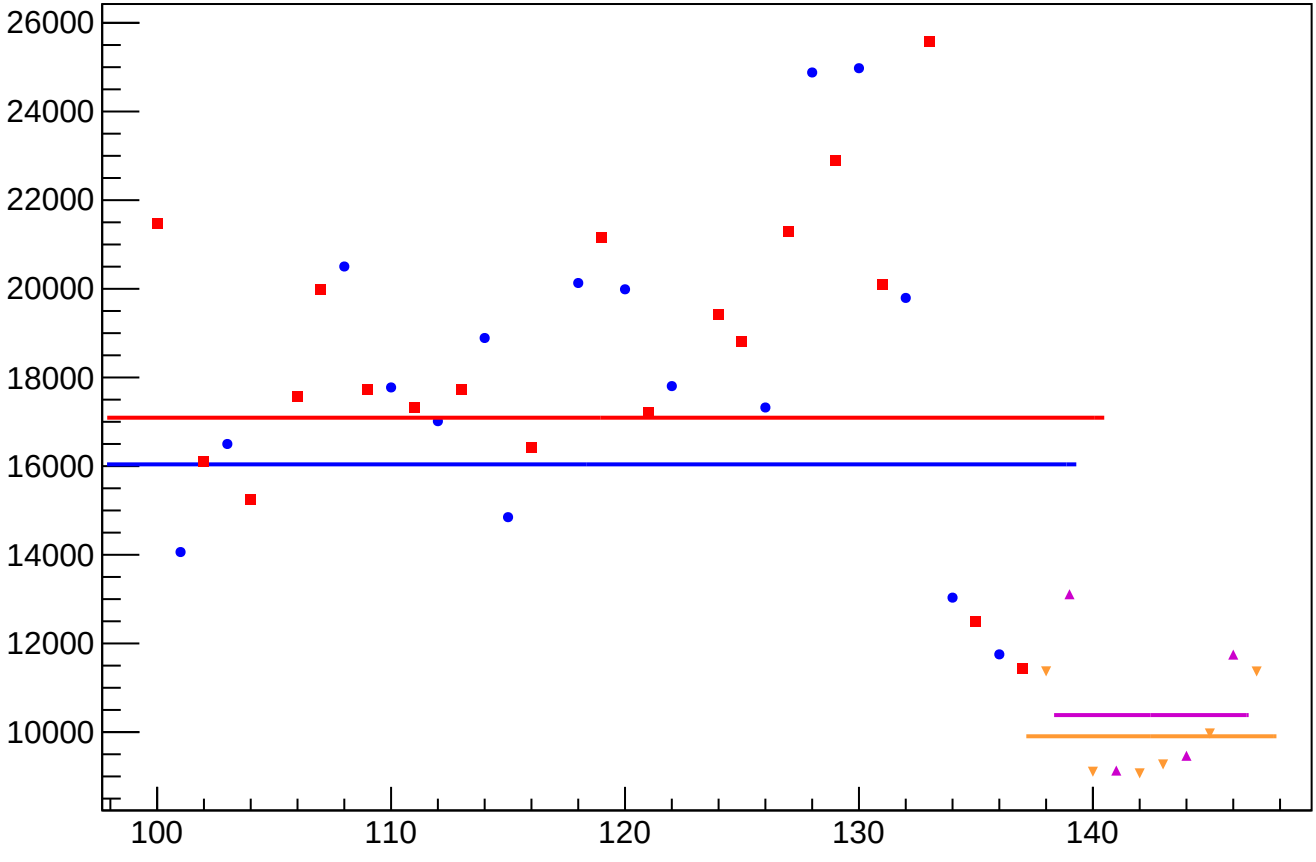
In: 22240.015+/-4.855 χ^2/NDF:414057.2/19

Out: 21745.261+/-4.477 χ^2/NDF:270600.5/24

All: 21972.640+/-3.291 χ^2/NDF: 690270.7/44


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -10.149+/-4.707 χ²/NDF:17.1/5
Right Out: 13.071+/-6.382 χ²/NDF: 13.9/18
Left In: 1.515+/-5.599 χ²/NDF:2.3/3
Left: -5.318+/-3.603 χ²/NDF: 21.9/9
Right: 0.599+/-4.430 χ²/NDF: 43.3/34
In: -4.152+/-4.142 χ²/NDF:26.6/19
Out: -1.967+/-3.788 χ²/NDF:39.5/24
All: -2.963+/-2.795 χ²/NDF: 66.3/44

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 9905.893+/-3.329 χ^2/NDF:80568.3/5

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10384.119+/-3.959 χ^2/NDF:147098.4/3

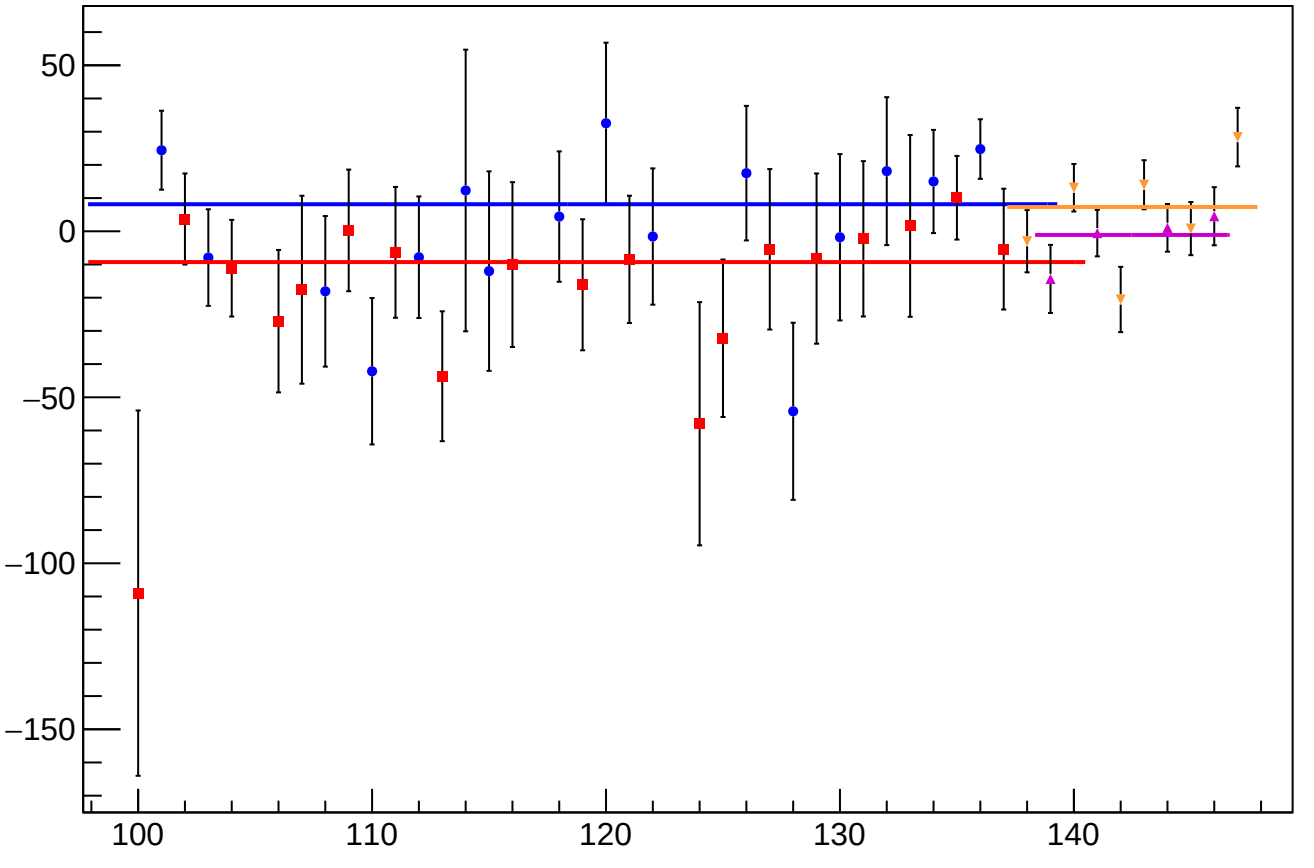
Left: 10103.953+/-2.548 χ^2/NDF: 236216.0/9

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12944.948+/-2.928 χ^2/NDF:1793981.7/19

Out: 12438.127+/-2.679 χ^2/NDF:2258659.9/24

All: 12669.002+/-1.977 χ^2/NDF: 4068949.3/4



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 7.309+/-3.370 χ^2/NDF:17.1/5

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.095+/-4.004 χ^2/NDF:2.2/3

Left: 3.825+/-2.578 χ^2/NDF: 21.8/9

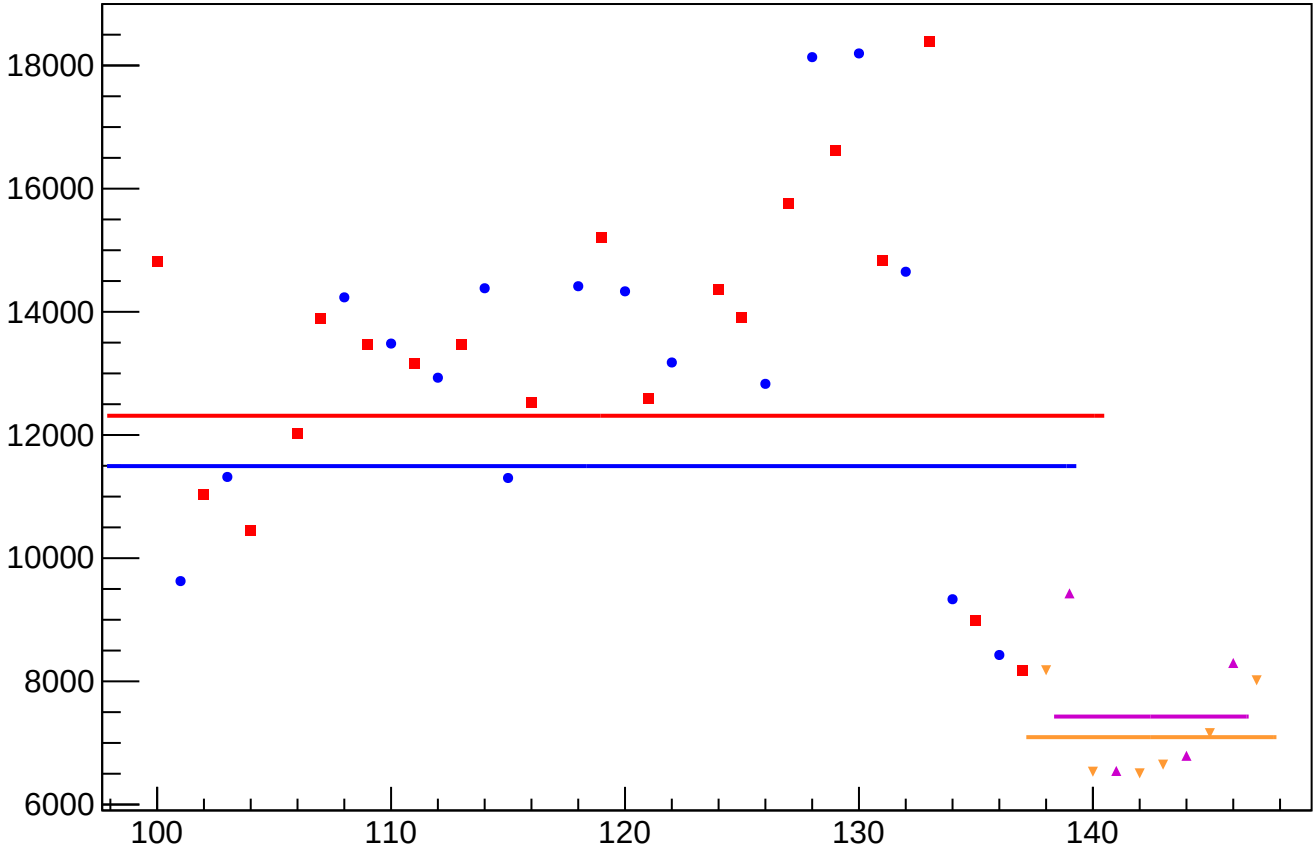
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 3.069+/-2.968 χ^2/NDF:26.4/19

Out: 1.532+/-2.720 χ^2/NDF:39.4/24

All: 2.233+/-2.005 χ^2/NDF: 65.9/44

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7093.899+/-2.383 χ^2/NDF:75628.4/5

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7428.325+/-2.831 χ^2/NDF:143503.0/3

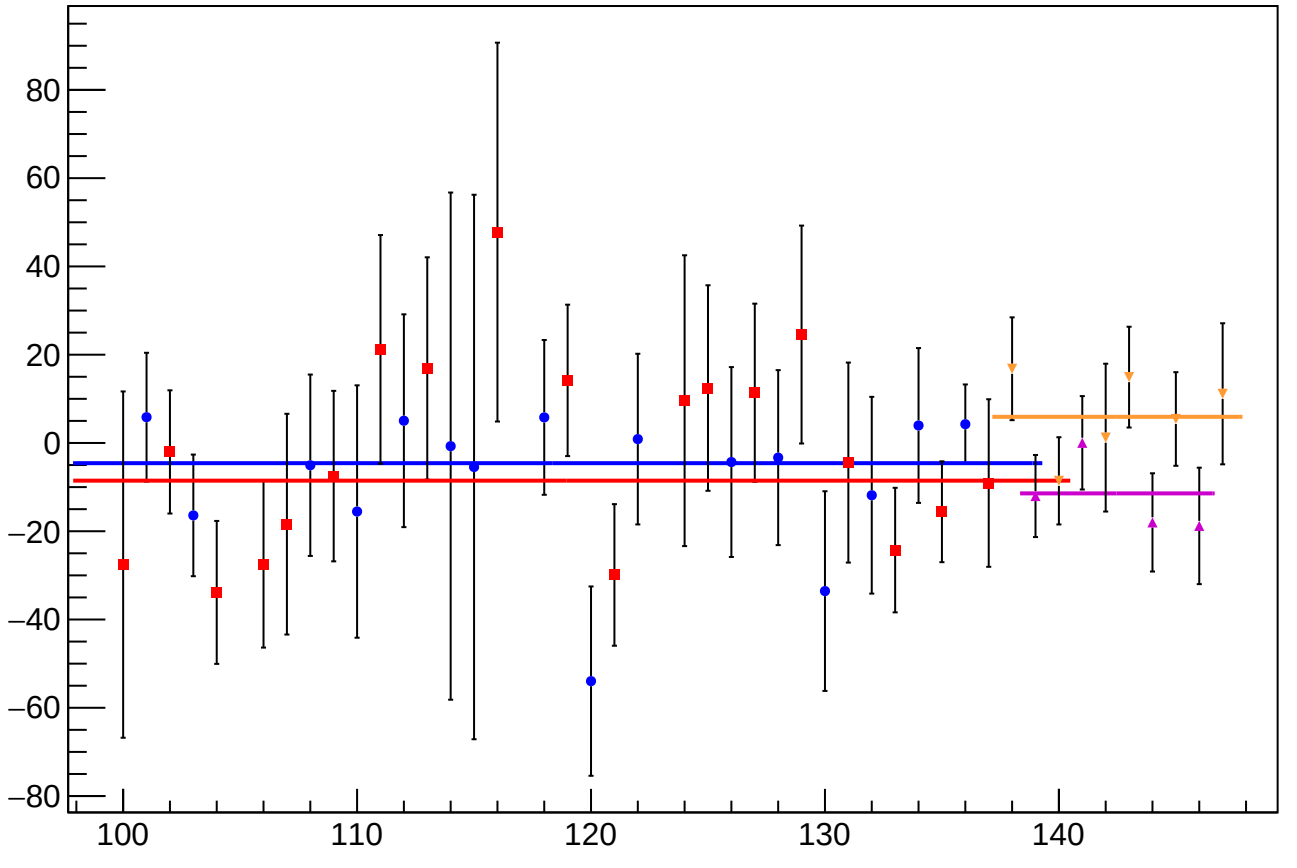
Left: 7232.554+/-1.823 χ^2/NDF: 227299.1/9

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 9259.987+/-2.099 χ^2/NDF:1862758.5/19

Out: 8912.593+/-1.923 χ^2/NDF:2346208.0/24

All: 9071.143+/-1.418 χ^2/NDF: 4223858.4/44



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.922+/-4.900 χ^2/NDF:3.8/5

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -11.425+/-5.399 χ^2/NDF:1.8/3

Left: -1.912+/-3.628 χ^2/NDF: 11.3/9

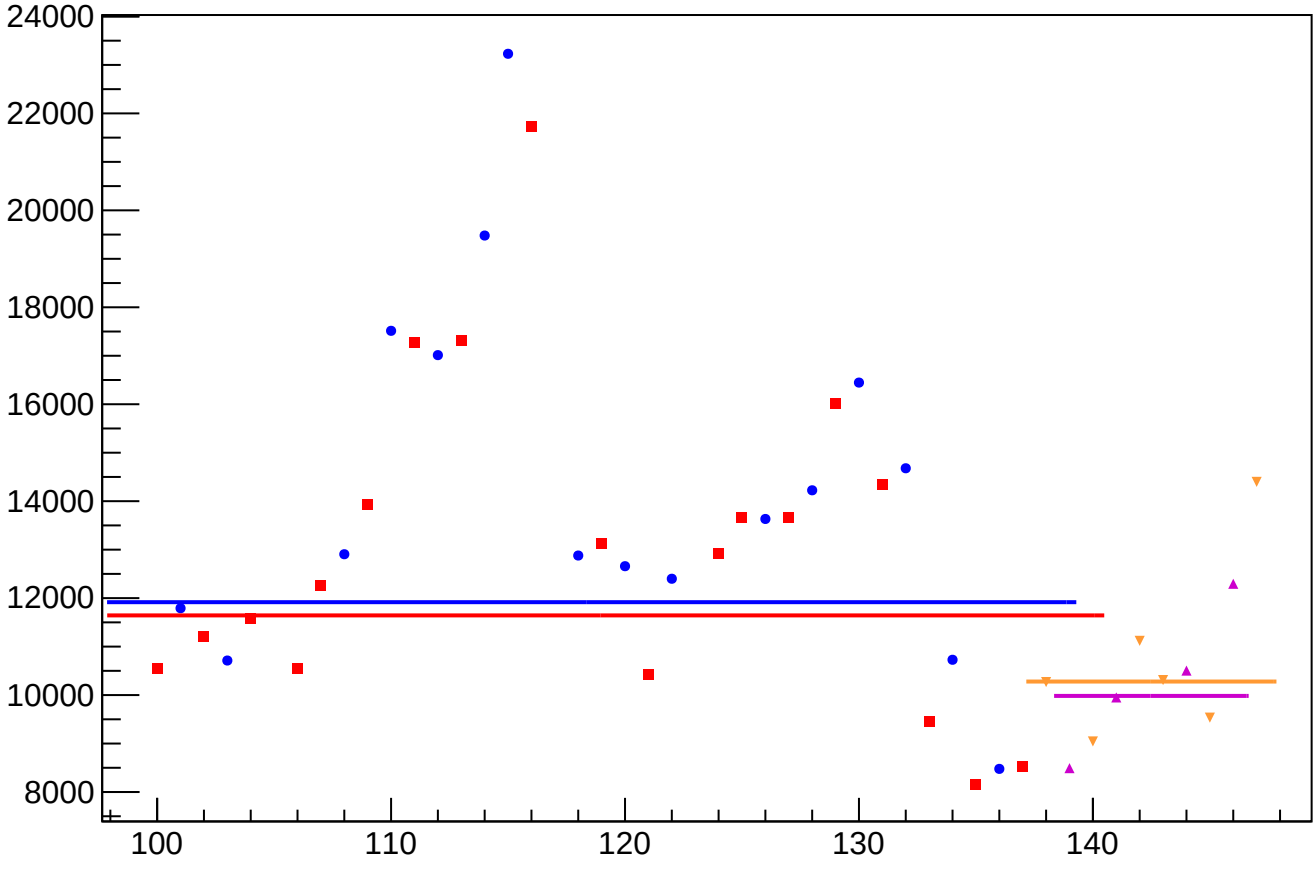
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -7.424+/-3.481 χ^2/NDF:13.0/19

Out: -2.095+/-3.271 χ^2/NDF:25.9/24

All: -4.594+/-2.384 χ^2/NDF: 40.1/44

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10279.144+/-3.465 χ^2/NDF:179043.1/5

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 9982.748+/-3.818 χ^2/NDF:117254.5/3

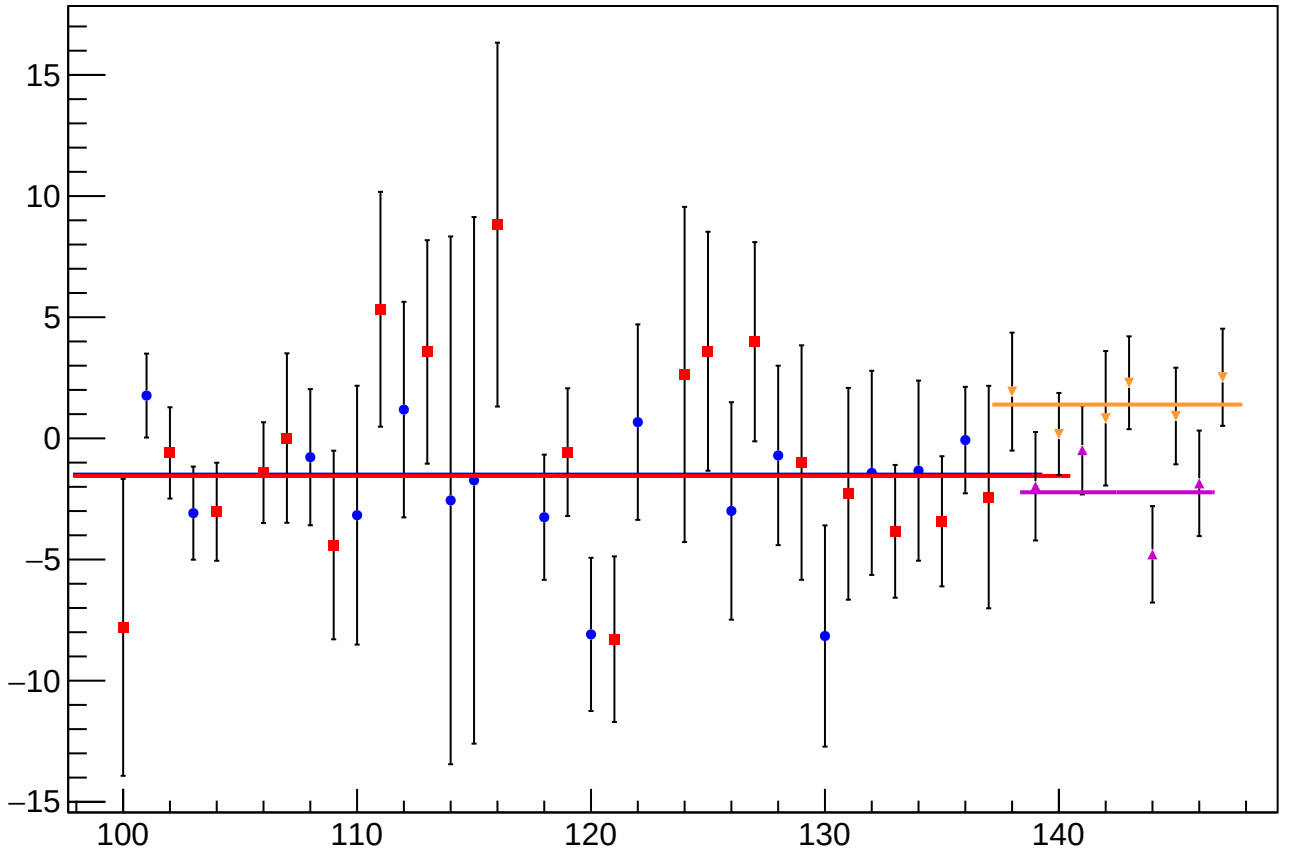
Left: 10145.282+/-2.566 χ^2/NDF: 299602.9/9

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11112.532+/-2.461 χ^2/NDF:1016916.0/19

Out: 11035.676+/-2.313 χ^2/NDF:1055398.8/24

All: 11071.710+/-1.685 χ^2/NDF: 2072832.7/4



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.396+/-0.839 χ^2/NDF:1.2/5

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -2.225+/-1.020 χ^2/NDF:2.6/3

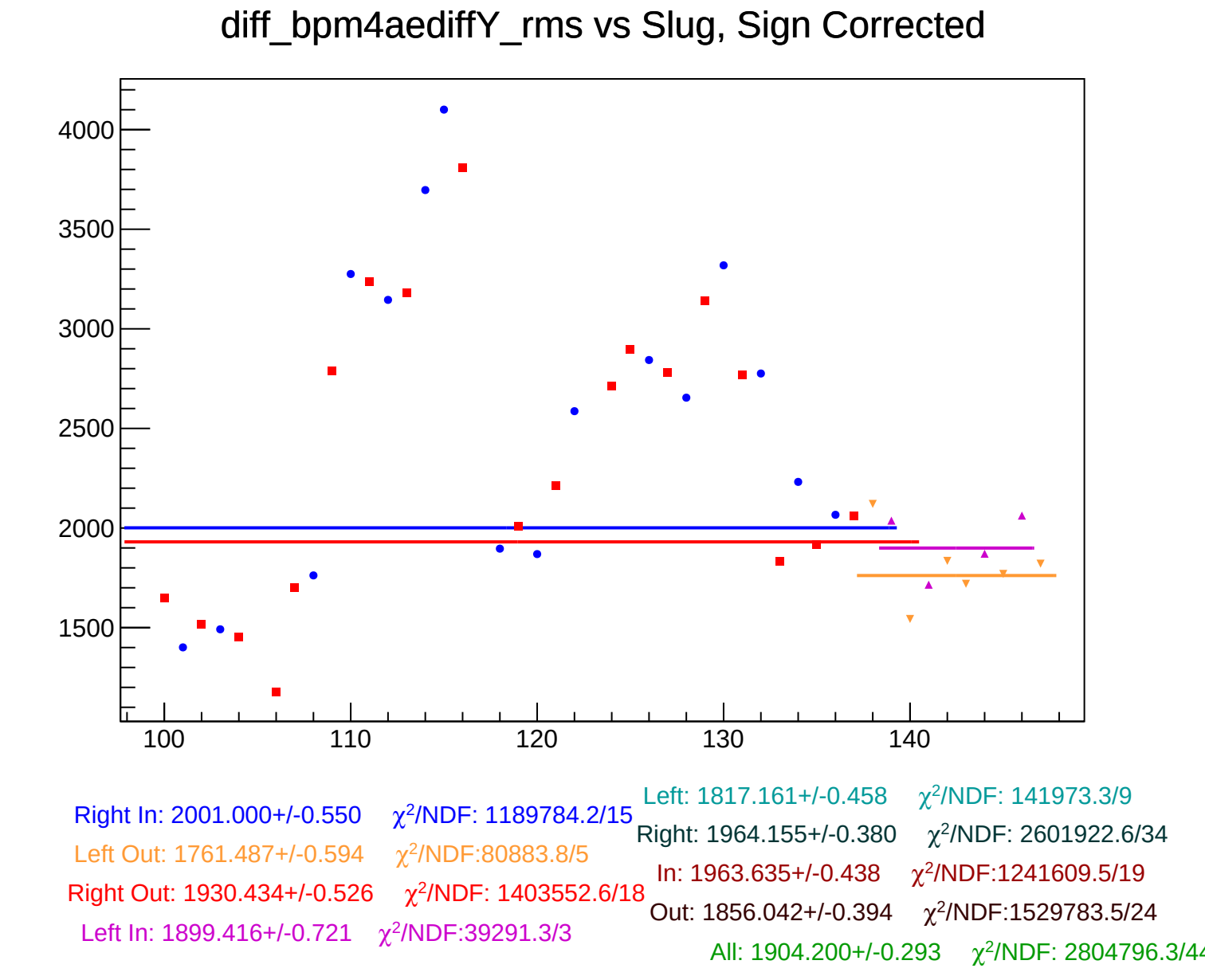
Left: -0.066+/-0.648 χ^2/NDF: 11.3/9

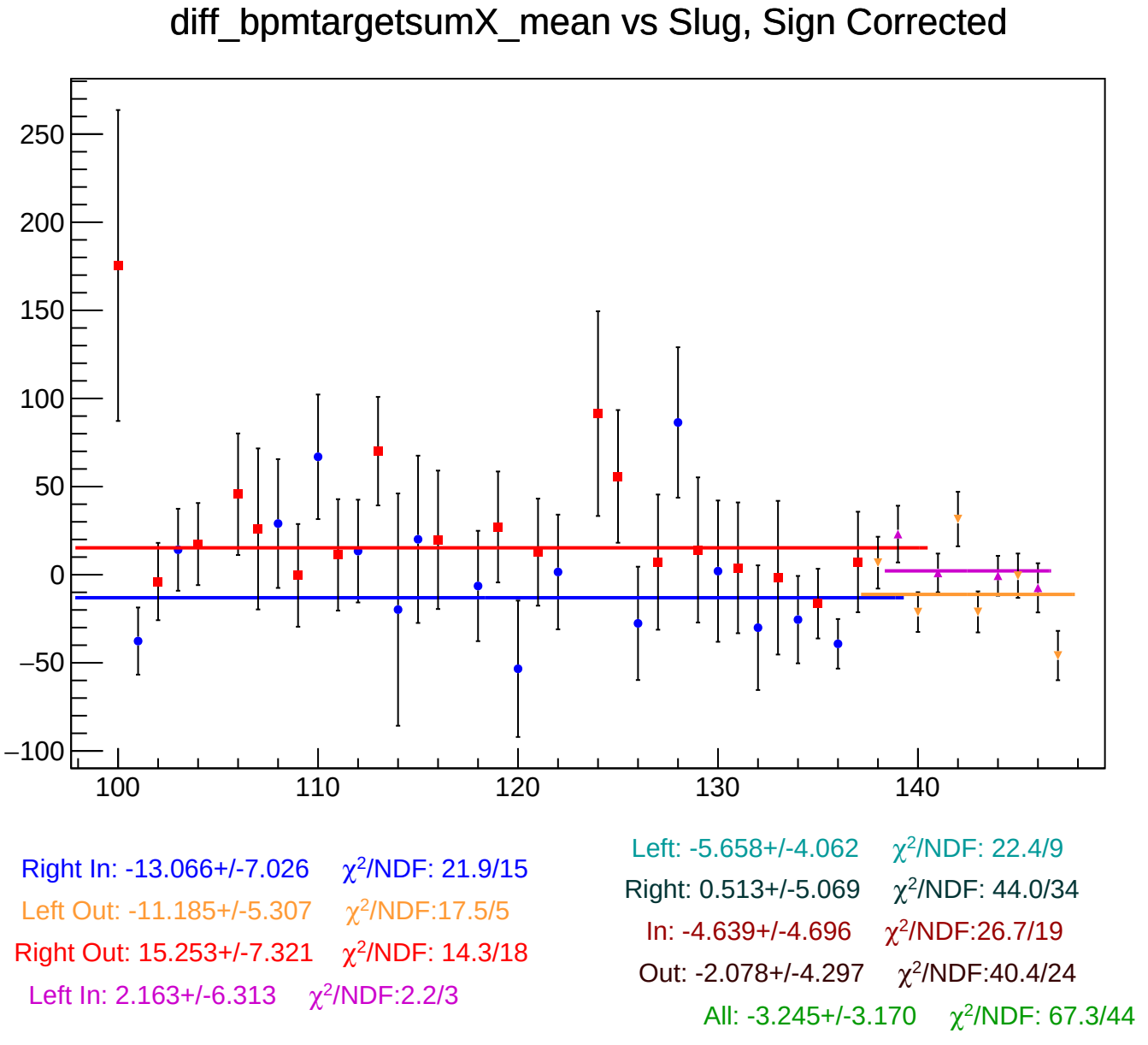
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.764+/-0.619 χ^2/NDF:15.5/19

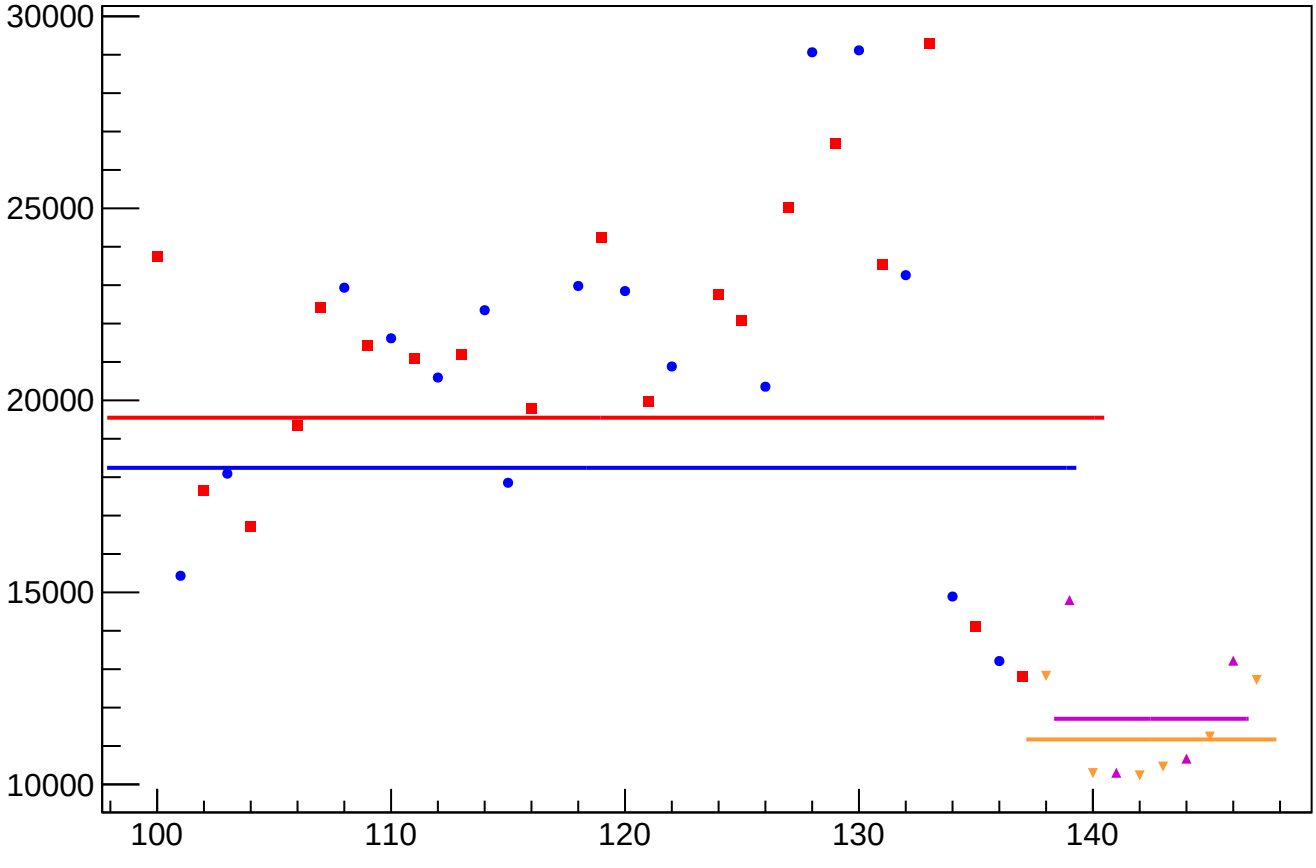
Out: -0.253+/-0.557 χ^2/NDF:24.4/24

All: -0.929+/-0.414 χ^2/NDF: 43.2/44


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
110
120
130
140
Right In: 2001.000+/-0.550 χ²/NDF: 1189784.2/15
Left Out: 1761.487+/-0.594 χ²/NDF:80883.8/5
Right Out: 1930.434+/-0.526 χ²/NDF: 1403552.6/18
Left In: 1899.416+/-0.721 χ²/NDF:39291.3/3
Left: 1817.161+/-0.458 χ²/NDF: 141973.3/9
Right: 1964.155+/-0.380 χ²/NDF: 2601922.6/34
In: 1963.635+/-0.438 χ²/NDF:1241609.5/19
Out: 1856.042+/-0.394 χ²/NDF:1529783.5/24
All: 1904.200+/-0.293 χ²/NDF: 2804796.3/44


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -11.185+/-5.307 χ²/NDF:17.5/5
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 2.163+/-6.313 χ²/NDF:2.2/3
Left: -5.658+/-4.062 χ²/NDF: 22.4/9
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -4.639+/-4.696 χ²/NDF:26.7/19
Out: -2.078+/-4.297 χ²/NDF:40.4/24
All: -3.245+/-3.170 χ²/NDF: 67.3/44

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11170.623+/-3.753 χ^2/NDF:76752.8/5

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11708.908+/-4.464 χ^2/NDF:146723.9/3

Left: 11393.506+/-2.872 χ^2/NDF: 231996.8/9

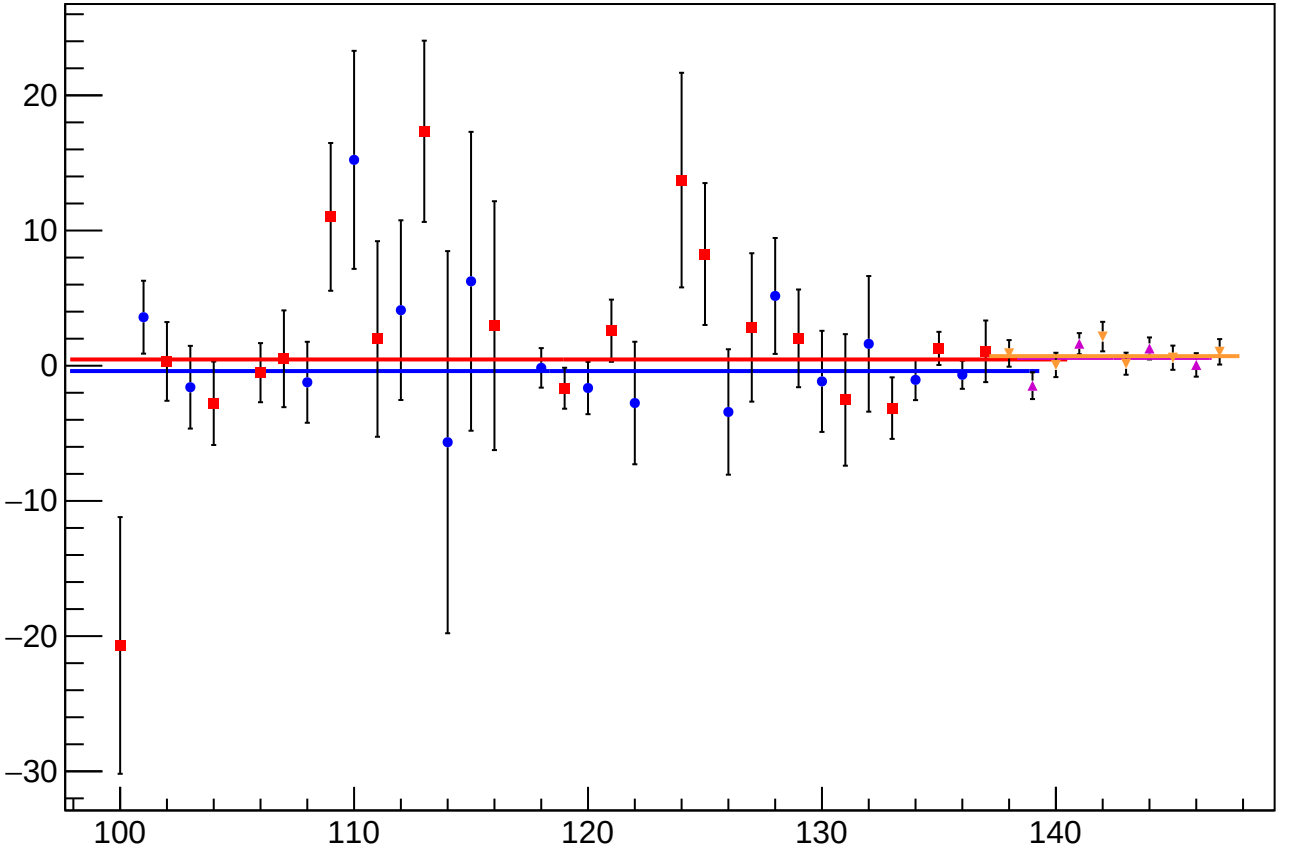
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14627.626+/-3.321 χ^2/NDF:1923677.3/19

Out: 14056.580+/-3.038 χ^2/NDF:2415491.8/24

All: 14316.797+/-2.242 χ^2/NDF: 4355267.2/4

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.709+/-0.378 χ^2/NDF:2.9/5

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.579+/-0.427 χ^2/NDF:7.2/3

Left: 0.652+/-0.283 χ^2/NDF: 10.2/9

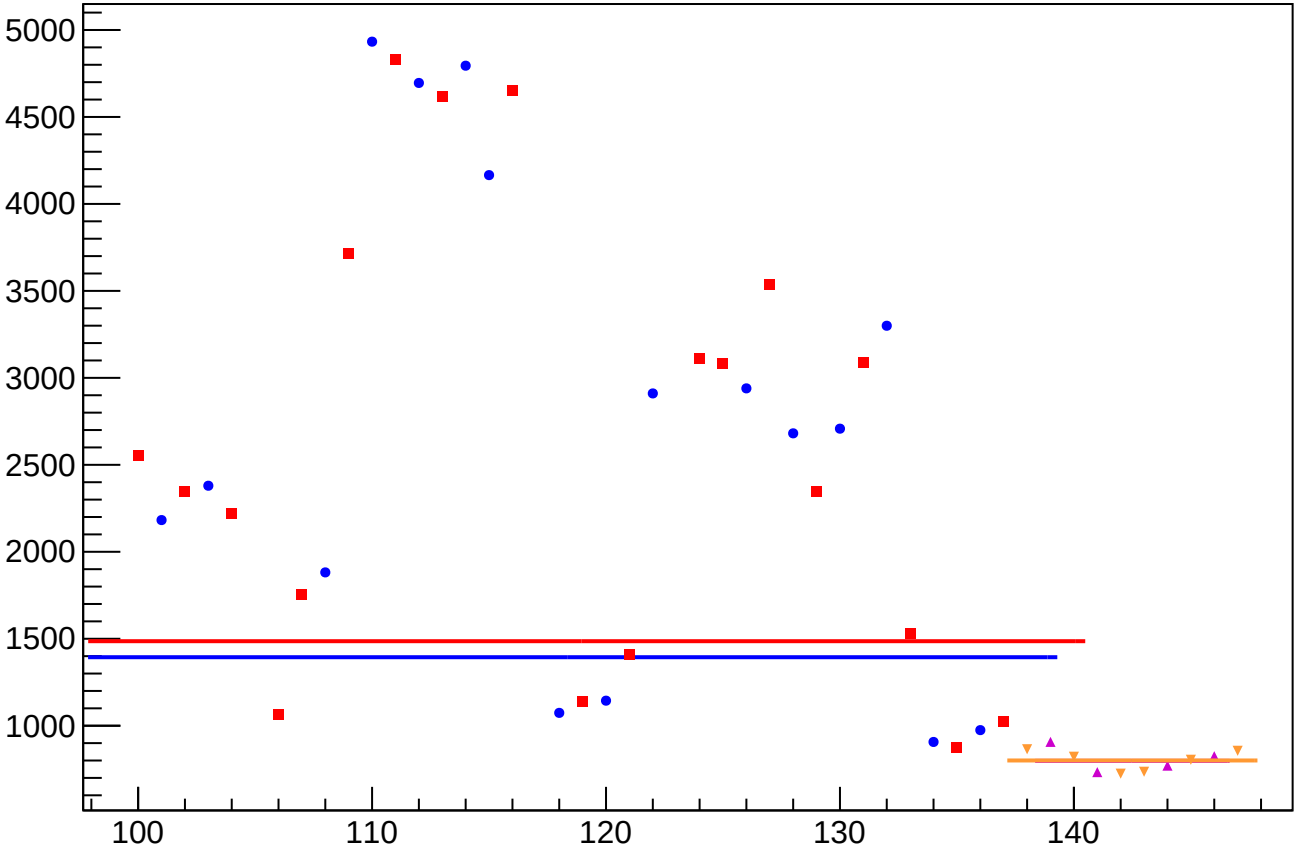
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.252+/-0.348 χ^2/NDF:19.4/19

Out: 0.645+/-0.325 χ^2/NDF:31.1/24

All: 0.462+/-0.237 χ^2/NDF: 51.1/44

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 800.234+/-0.268 χ^2/NDF:39037.6/5

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 797.919+/-0.302 χ^2/NDF:42225.8/3

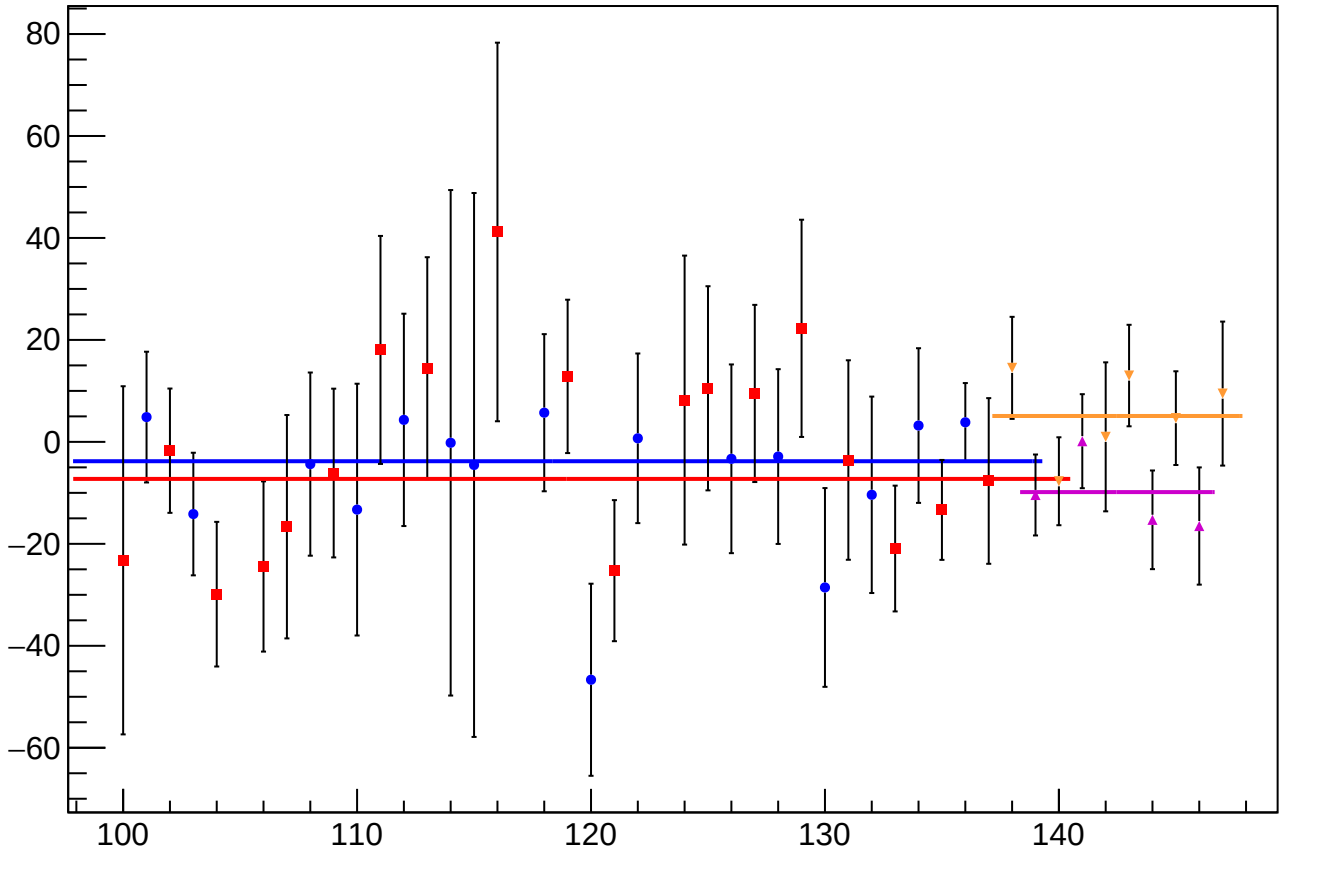
Left: 799.215+/-0.200 χ^2/NDF: 81296.4/9

Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

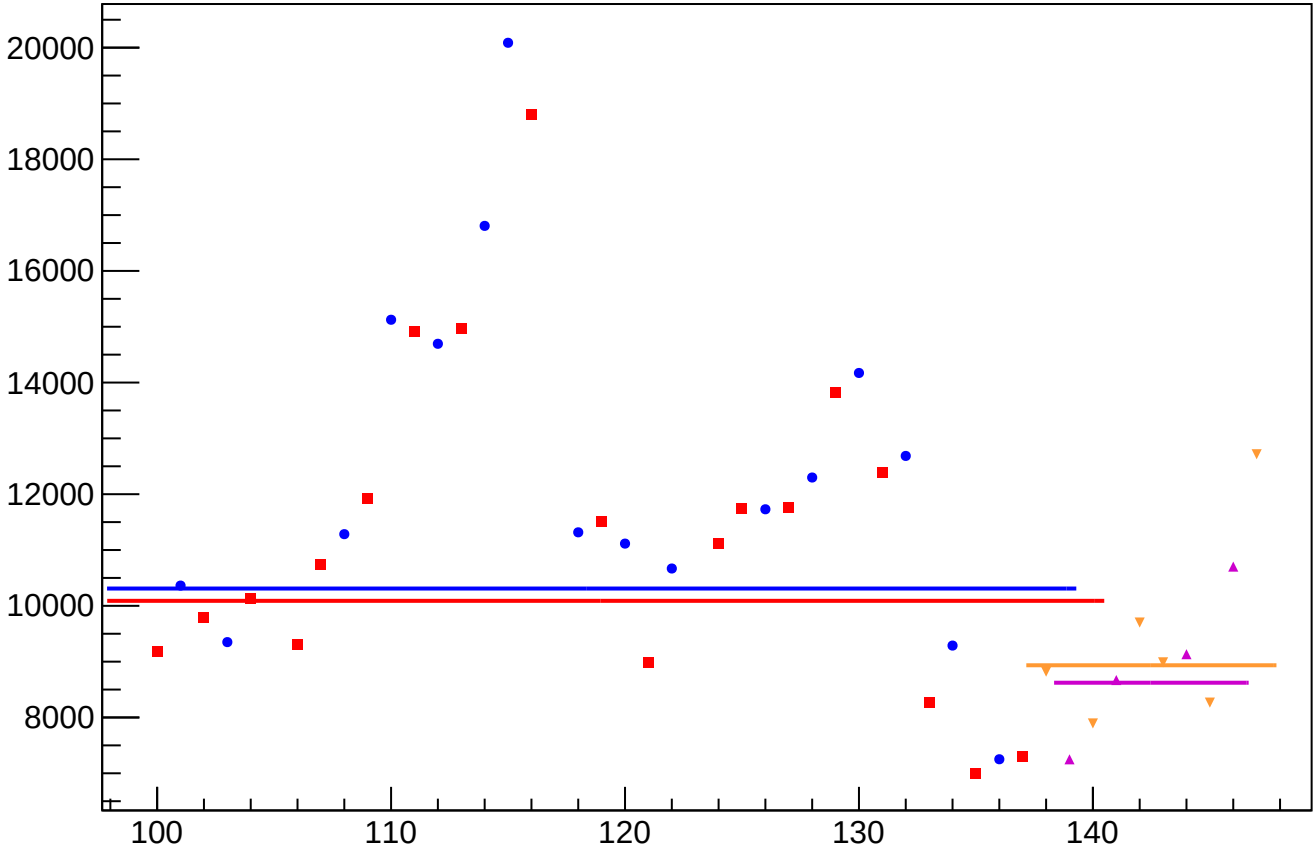
In: 998.076+/-0.246 χ^2/NDF:4733292.6/19

Out: 980.455+/-0.230 χ^2/NDF:5163362.7/24

All: 988.669+/-0.168 χ^2/NDF: 9899396.4/44


diff_bpmtargetsumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
Right In: -3.795+/-3.943 χ²/NDF: 10.1/15
Left Out: 5.078+/-4.262 χ²/NDF:3.9/5
Right Out: -7.264+/-3.807 χ²/NDF: 17.3/18
Left In: -9.851+/-4.669 χ²/NDF:1.8/3
Left: -1.707+/-3.148 χ²/NDF: 11.3/9
Right: -5.590+/-2.739 χ²/NDF: 27.7/34
In: -6.316+/-3.013 χ²/NDF:12.9/19
Out: -1.787+/-2.839 χ²/NDF:25.8/24
All: -3.917+/-2.066 χ²/NDF: 39.9/44

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 8935.162+/-3.014 χ^2/NDF:188889.2/5

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8622.527+/-3.302 χ^2/NDF:130849.9/3

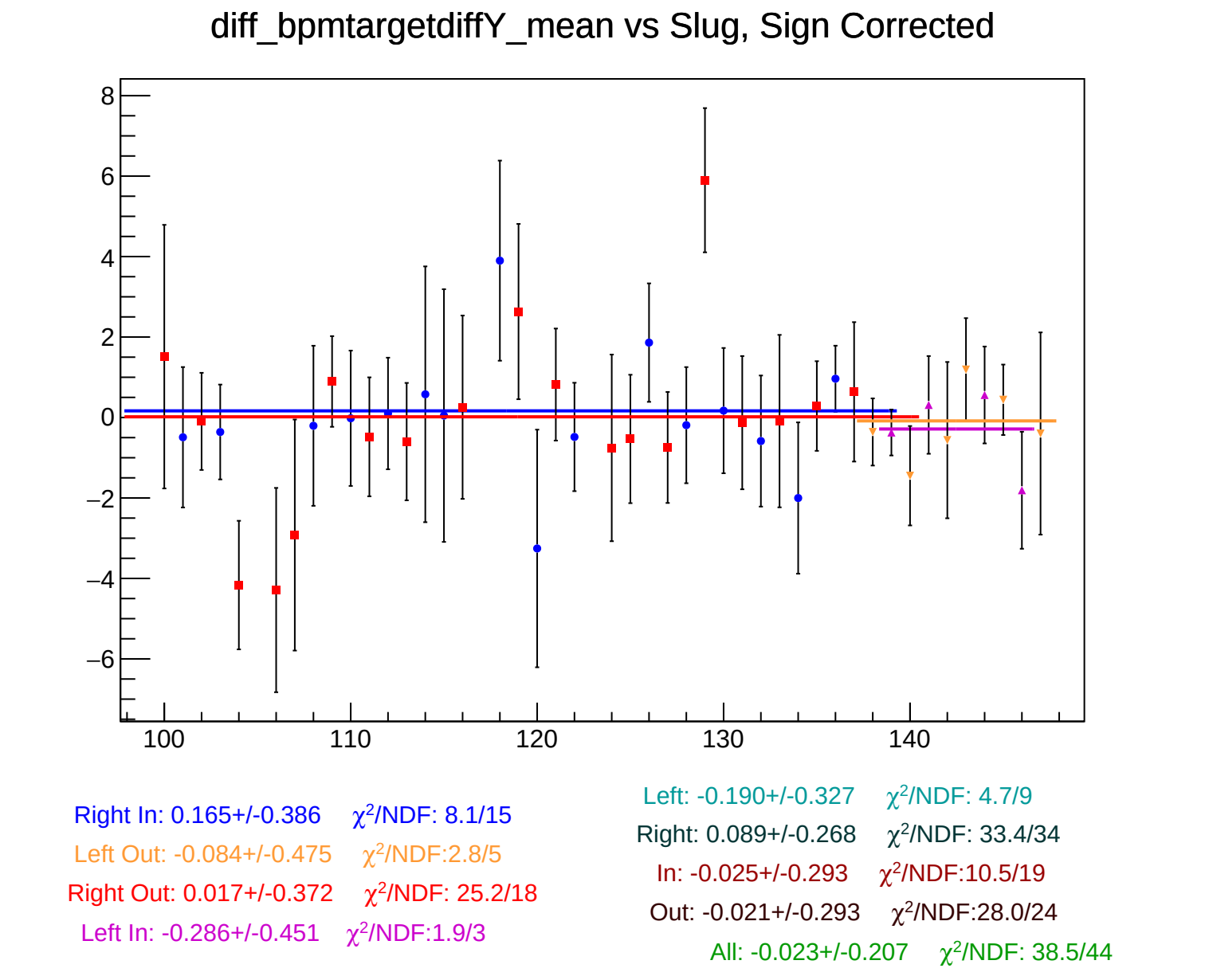
Left: 8793.063+/-2.226 χ^2/NDF: 324630.5/9

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

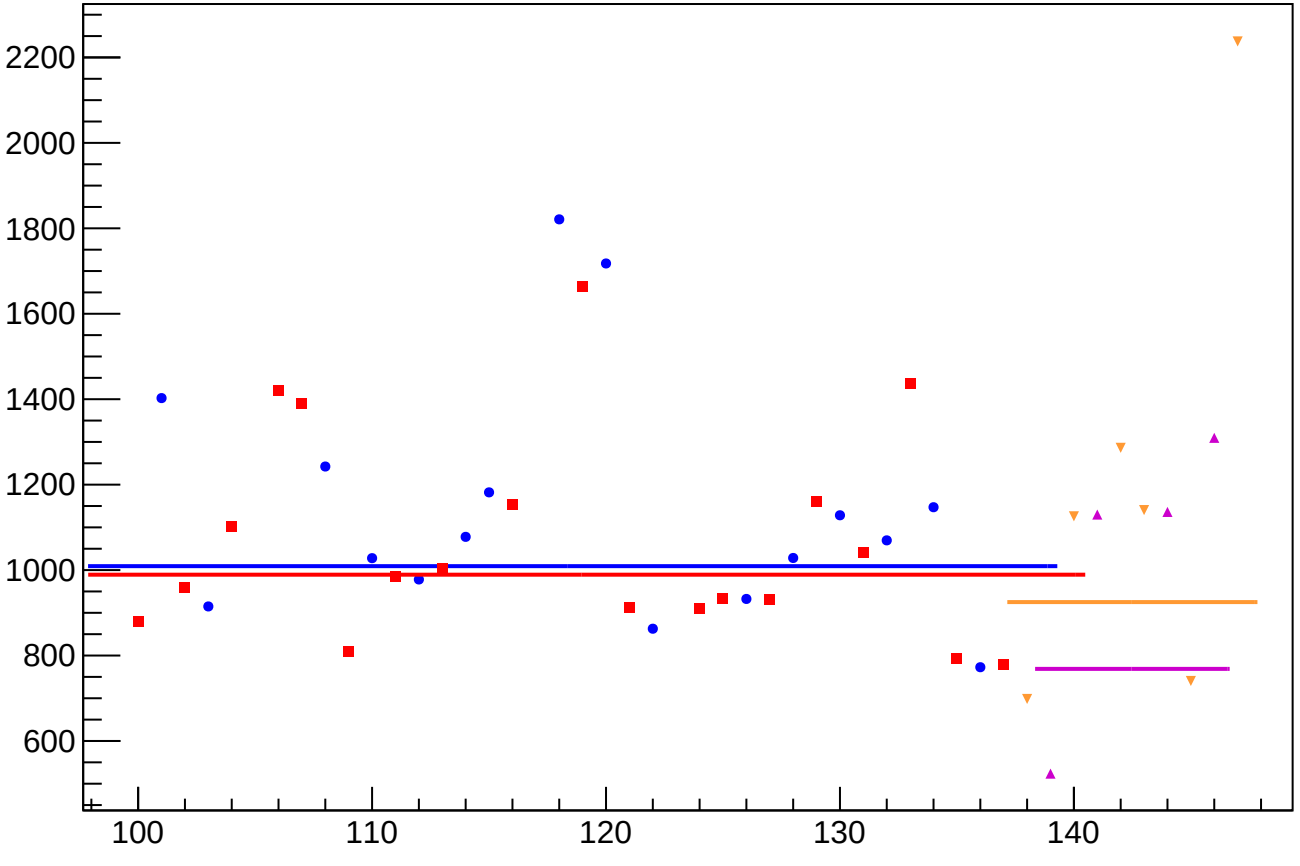
In: 9607.485+/-2.130 χ^2/NDF:1053851.0/19

Out: 9577.271+/-2.008 χ^2/NDF:1063293.4/24

All: 9591.484+/-1.461 χ^2/NDF: 2117251.0/44


diff_bpmtargetdiffY_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
Right In: 0.165+/-0.386 χ²/NDF: 8.1/15
Left Out: -0.084+/-0.475 χ²/NDF:2.8/5
Right Out: 0.017+/-0.372 χ²/NDF: 25.2/18
Left In: -0.286+/-0.451 χ²/NDF:1.9/3
Left: -0.190+/-0.327 χ²/NDF: 4.7/9
Right: 0.089+/-0.268 χ²/NDF: 33.4/34
In: -0.025+/-0.293 χ²/NDF:10.5/19
Out: -0.021+/-0.293 χ²/NDF:28.0/24
All: -0.023+/-0.207 χ²/NDF: 38.5/44

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 925.118+/-0.336 χ^2/NDF:960810.9/5

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 768.762+/-0.319 χ^2/NDF:1009236.9/3

Left: 842.905+/-0.231 χ^2/NDF: 2083995.8/9

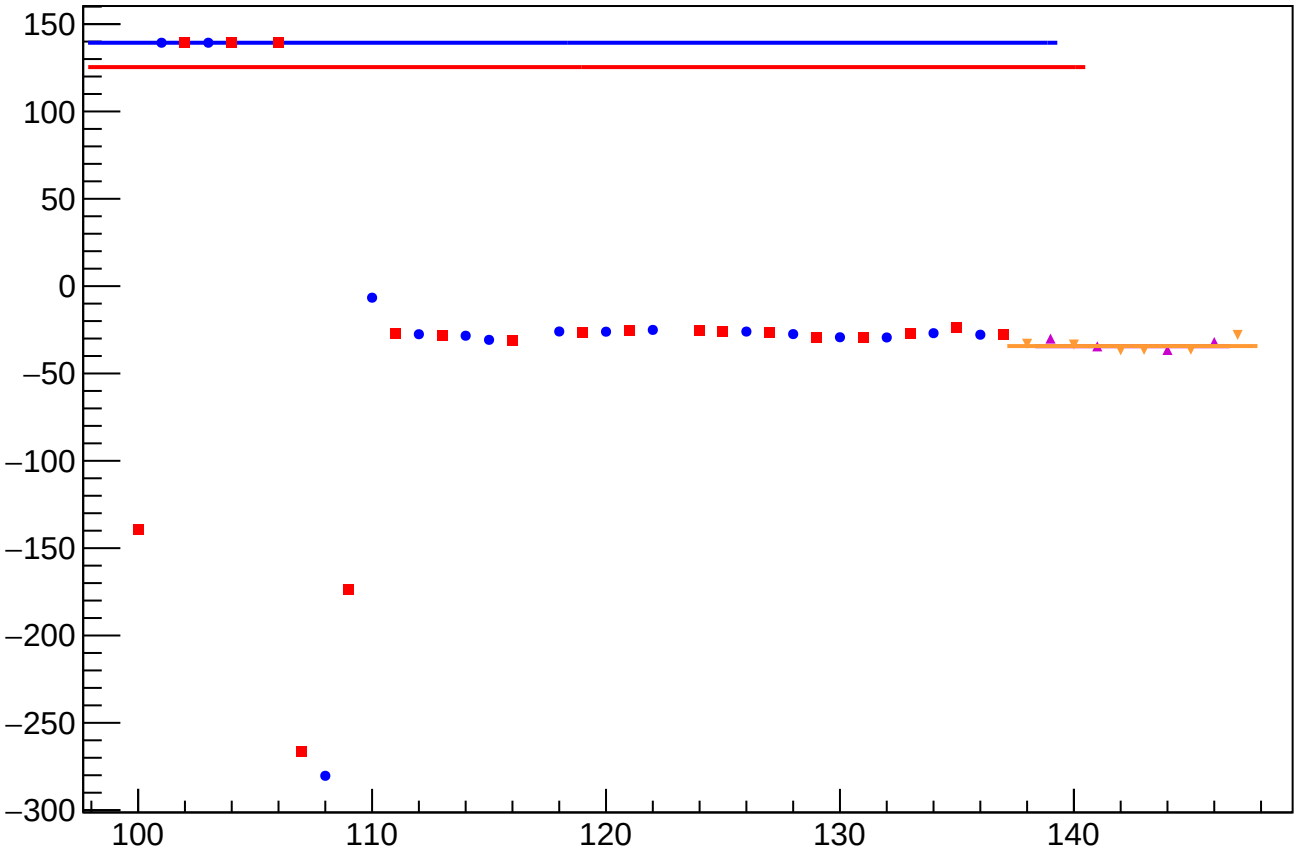
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 907.480+/-0.207 χ^2/NDF:2036407.7/19

Out: 964.848+/-0.207 χ^2/NDF:1559155.3/24

All: 936.206+/-0.147 χ^2/NDF: 3633846.1/44

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -34.307+/-0.001 χ^2/NDF:24689582.9/5

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -34.401+/-0.001 χ^2/NDF:6991130.4/3

Left: -34.343+/-0.001 χ^2/NDF: 31688210.6/9

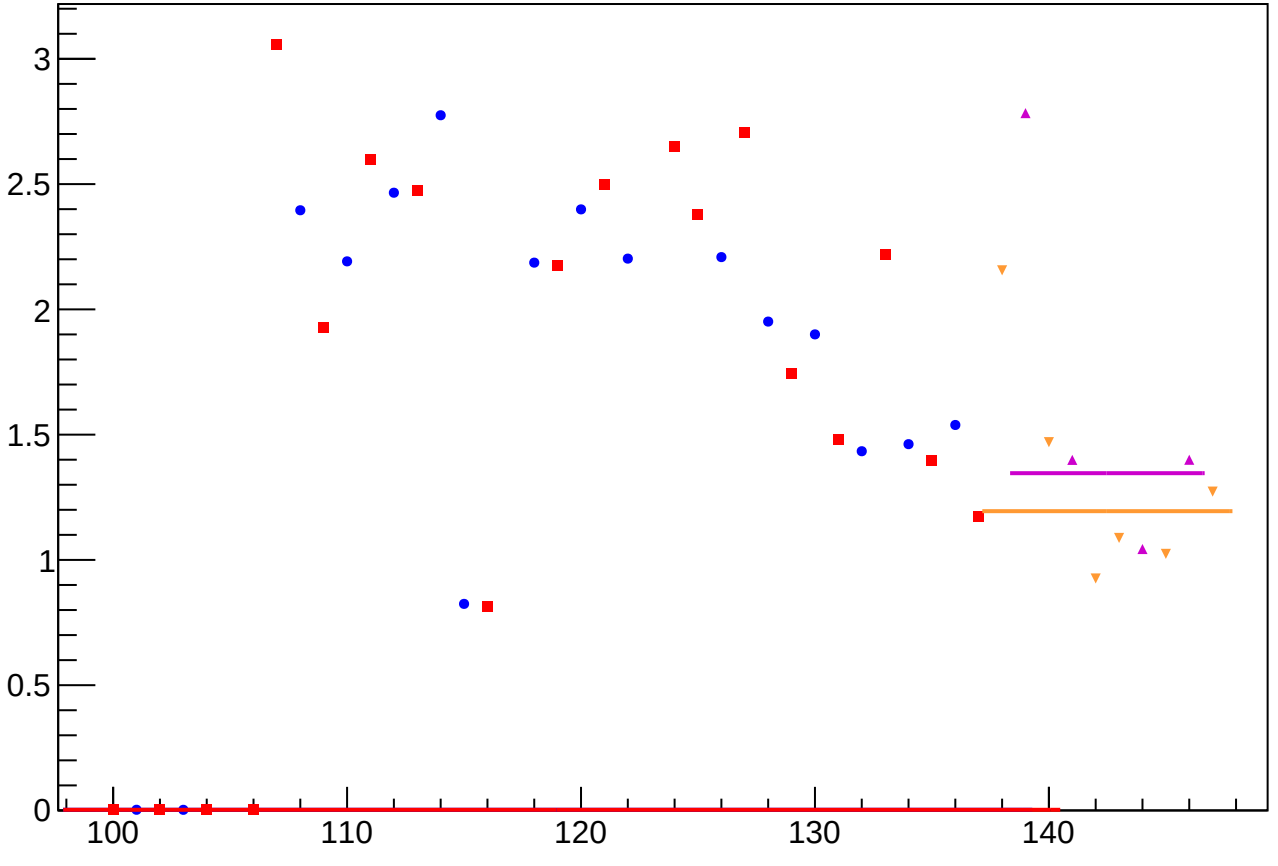
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.335+/-0.000 χ^2/NDF:89265191404.9/19

Out: 125.390+/-0.000 χ^2/NDF:774230086629305.

All: 131.817+/-0.000 χ^2/NDF: 79310524756

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.195+/-0.000 χ^2/NDF:399290.1/5

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.346+/-0.001 χ^2/NDF:554806.7/3

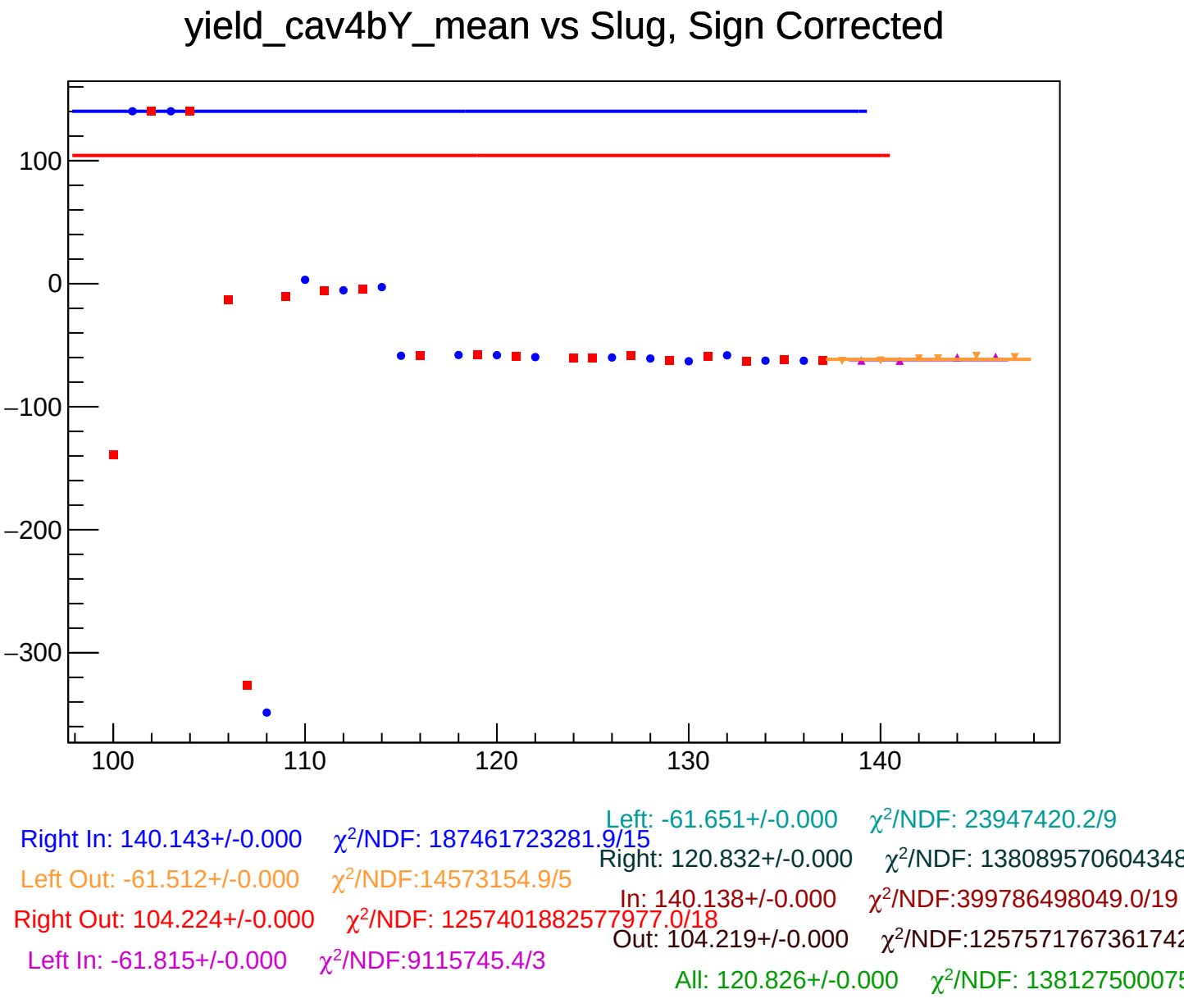
Left: 1.253+/-0.000 χ^2/NDF: 993611.2/9

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

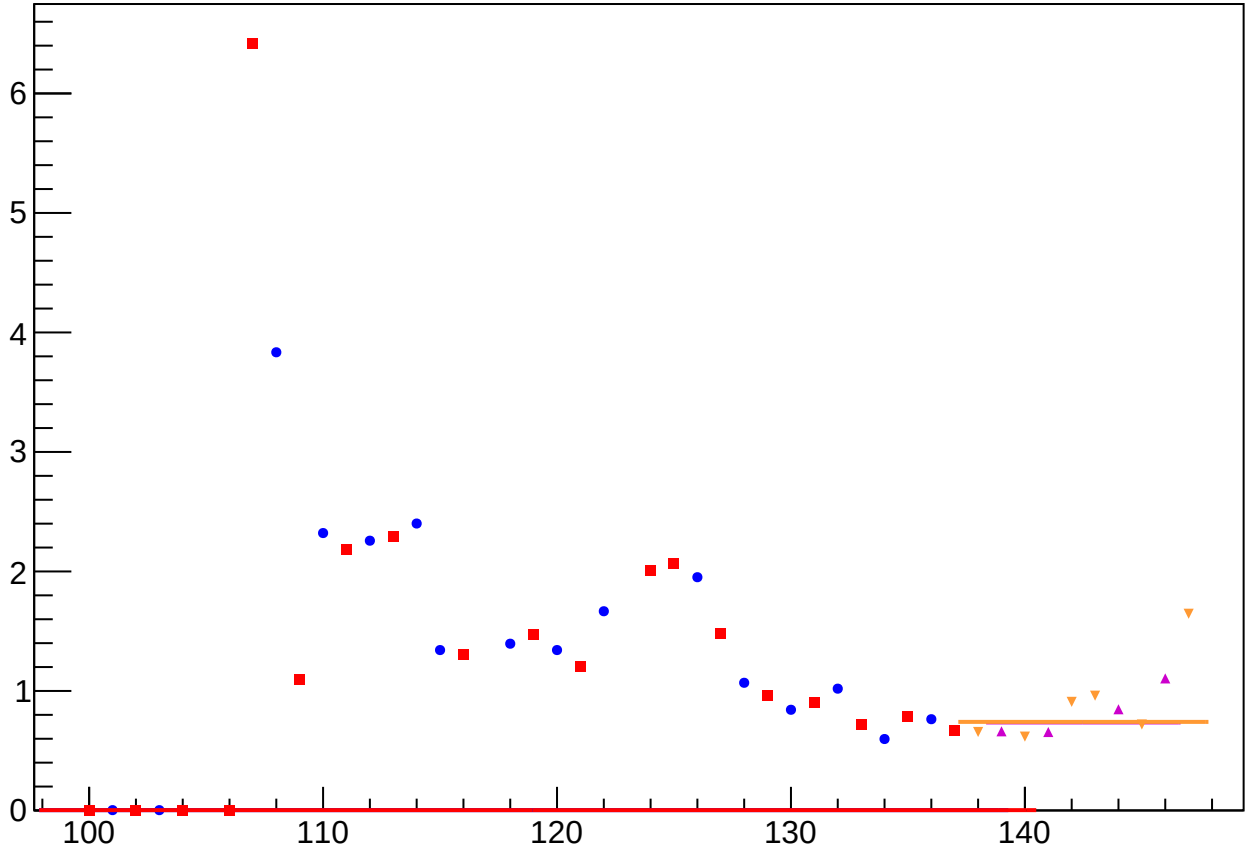
In: 0.003+/-0.000 χ^2/NDF:15164134.3/19

Out: 0.003+/-0.000 χ^2/NDF:16477134.3/24

All: 0.003+/-0.000 χ^2/NDF: 31641426.6/44


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -61.512+/-0.000 χ²/NDF:14573154.9/5
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -61.815+/-0.000 χ²/NDF:9115745.4/3
Left: -61.651+/-0.000 χ²/NDF: 23947420.2/9
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.138+/-0.000 χ²/NDF:399786498049.0/19
Out: 104.219+/-0.000 χ²/NDF:1257571767361742
All: 120.826+/-0.000 χ²/NDF: 13812750007

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.741+/-0.000 χ^2/NDF:601454.8/5

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.736+/-0.000 χ^2/NDF:218109.0/3

Left: 0.739+/-0.000 χ^2/NDF: 819687.3/9

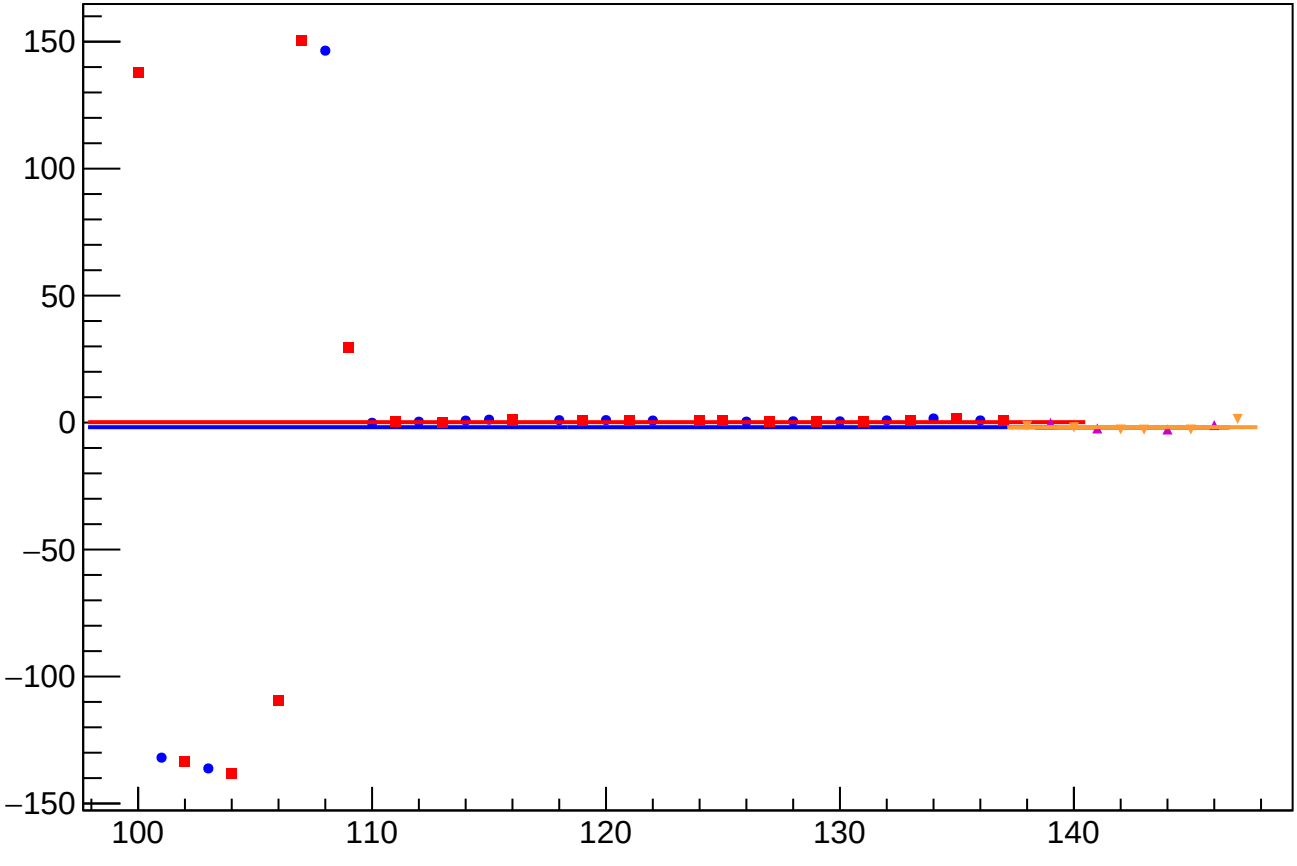
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:16402648.6/19

Out: 0.003+/-0.000 χ^2/NDF:17613710.1/24

All: 0.003+/-0.000 χ^2/NDF: 34016557.9/44

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -1.807+/-0.000 χ^2/NDF:28805450.7/5

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -1.954+/-0.000 χ^2/NDF:6737024.2/3

Left: -1.866+/-0.000 χ^2/NDF: 35658433.0/9

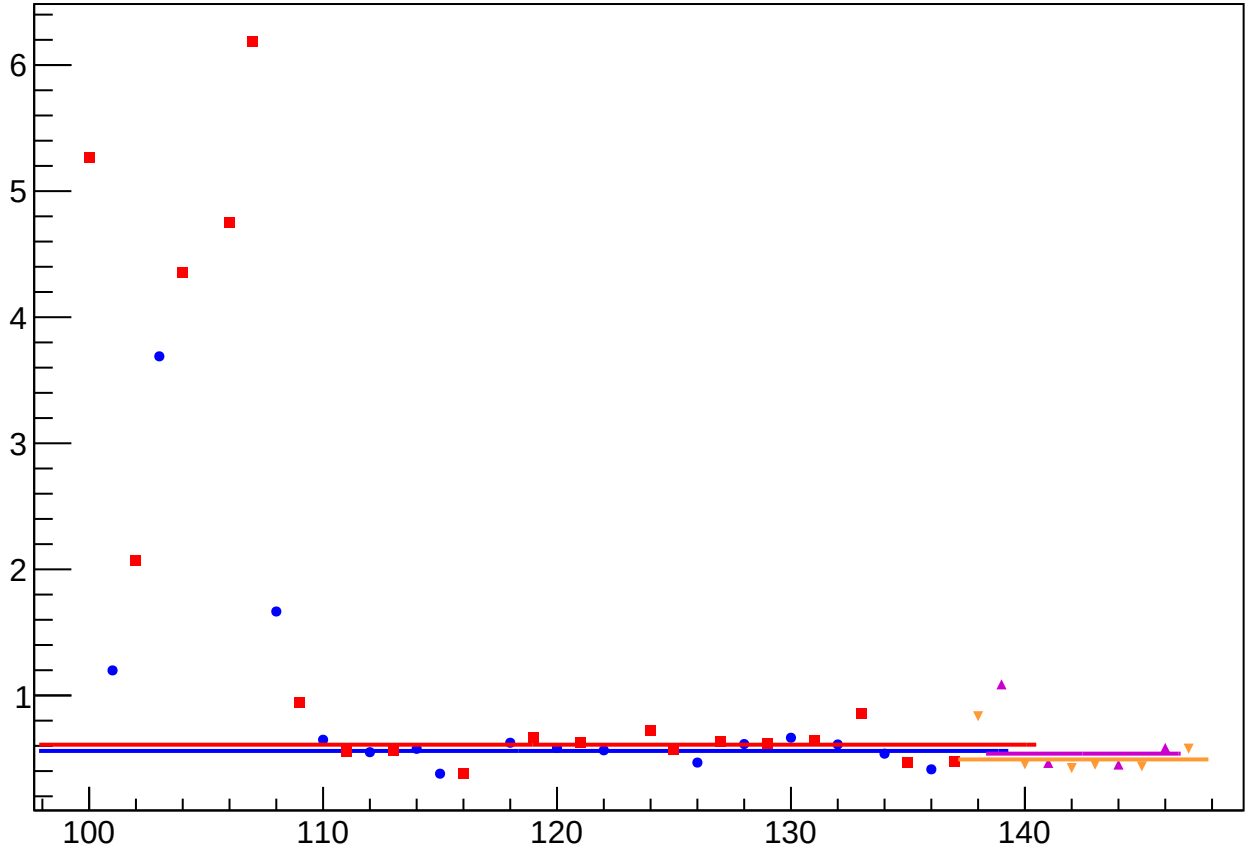
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.866+/-0.000 χ^2/NDF:9894021224.3/19

Out: -0.816+/-0.000 χ^2/NDF:3665917627.2/24

All: -1.324+/-0.000 χ^2/NDF: 13574171451.4/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.492+/-0.000 χ^2/NDF:306116.6/5

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.538+/-0.000 χ^2/NDF:516755.7/3

Left: 0.511+/-0.000 χ^2/NDF: 845297.2/9

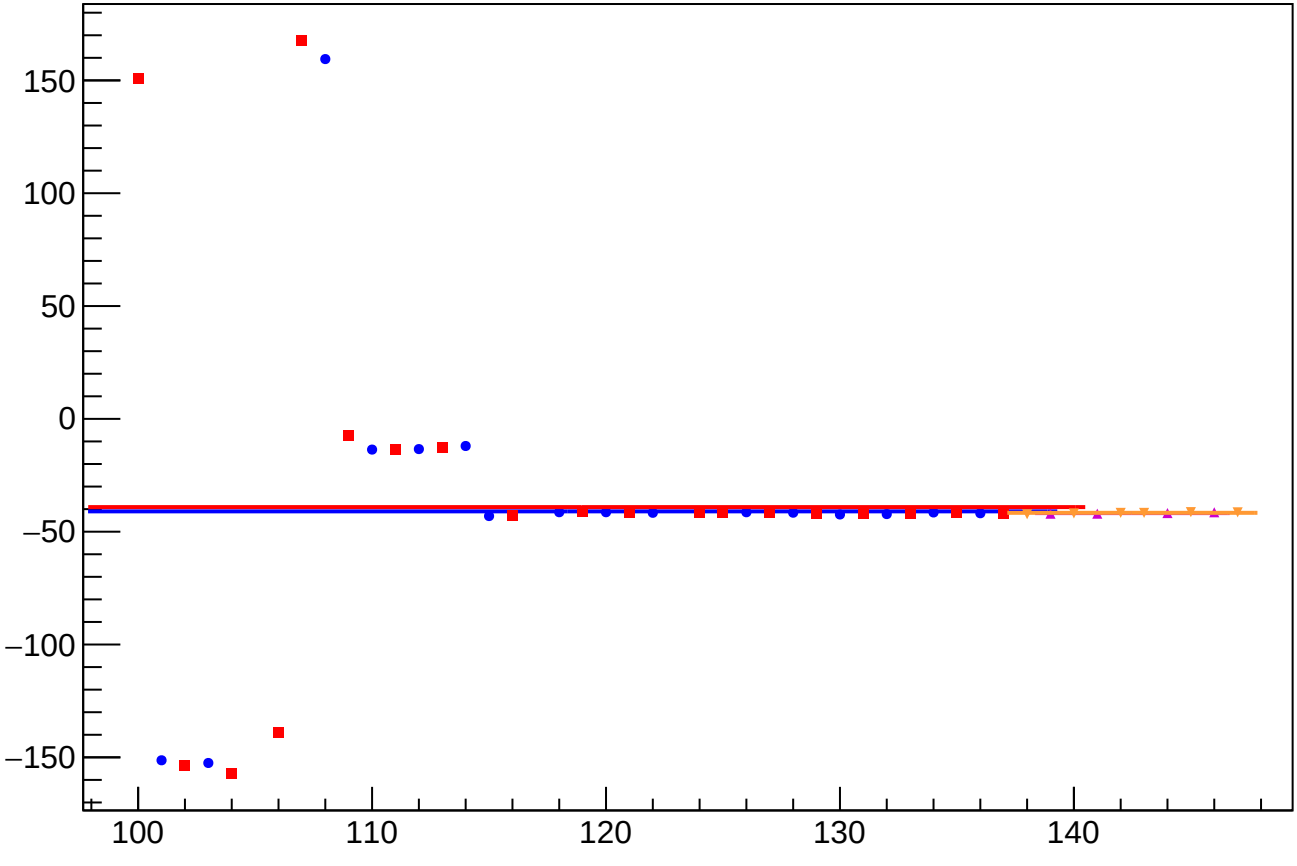
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.552+/-0.000 χ^2/NDF:2120498.7/19

Out: 0.551+/-0.000 χ^2/NDF:2964342.8/24

All: 0.552+/-0.000 χ^2/NDF: 5084868.6/44

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.633+/-0.000 χ^2/NDF:2379534.9/5

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.757+/-0.000 χ^2/NDF:1143404.4/3

Left: -41.683+/-0.000 χ^2/NDF: 3714045.9/9

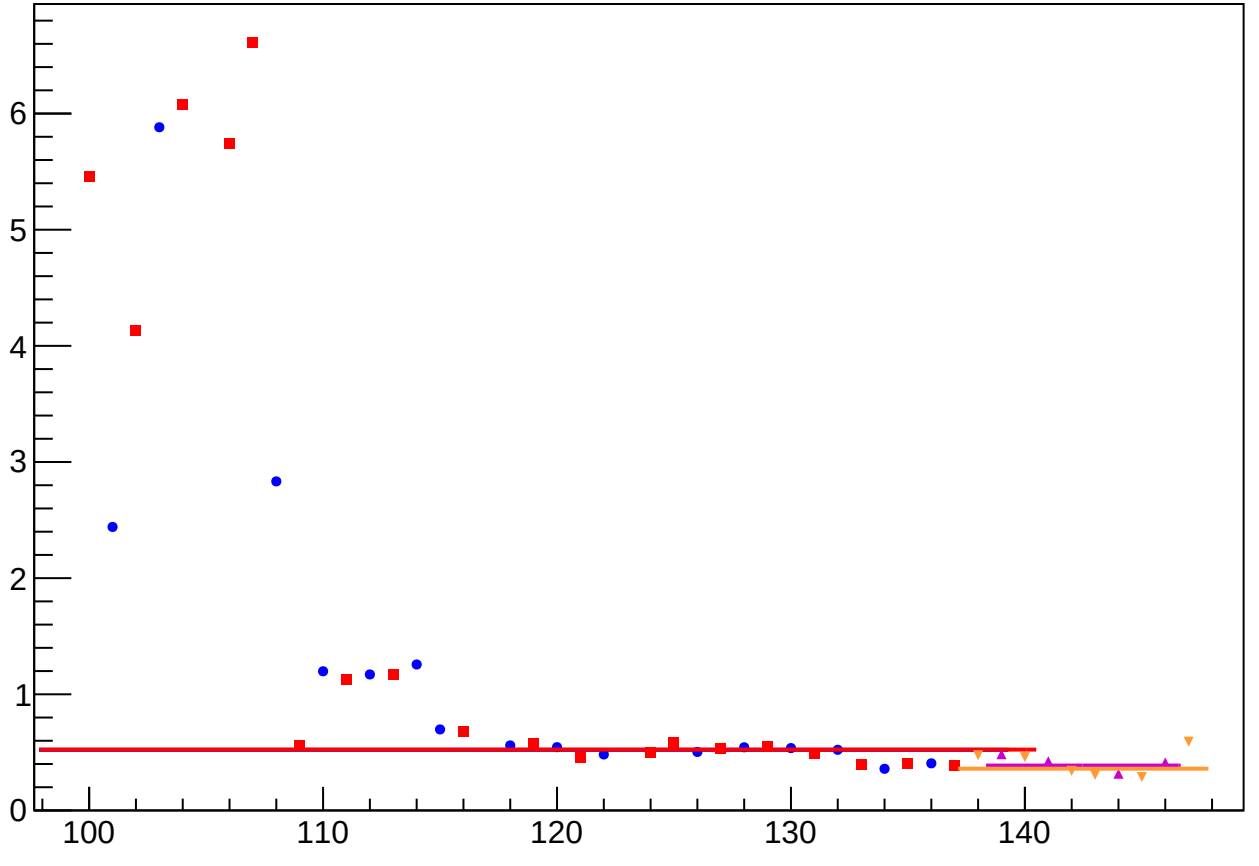
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.395+/-0.000 χ^2/NDF:3456565675.7/19

Out: -40.691+/-0.000 χ^2/NDF:2554586438.1/24

All: -41.007+/-0.000 χ^2/NDF: 6021874365.1/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.360+/-0.000 χ^2/NDF:546402.1/5

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.386+/-0.000 χ^2/NDF:164190.8/3

Left: 0.371+/-0.000 χ^2/NDF: 727815.8/9

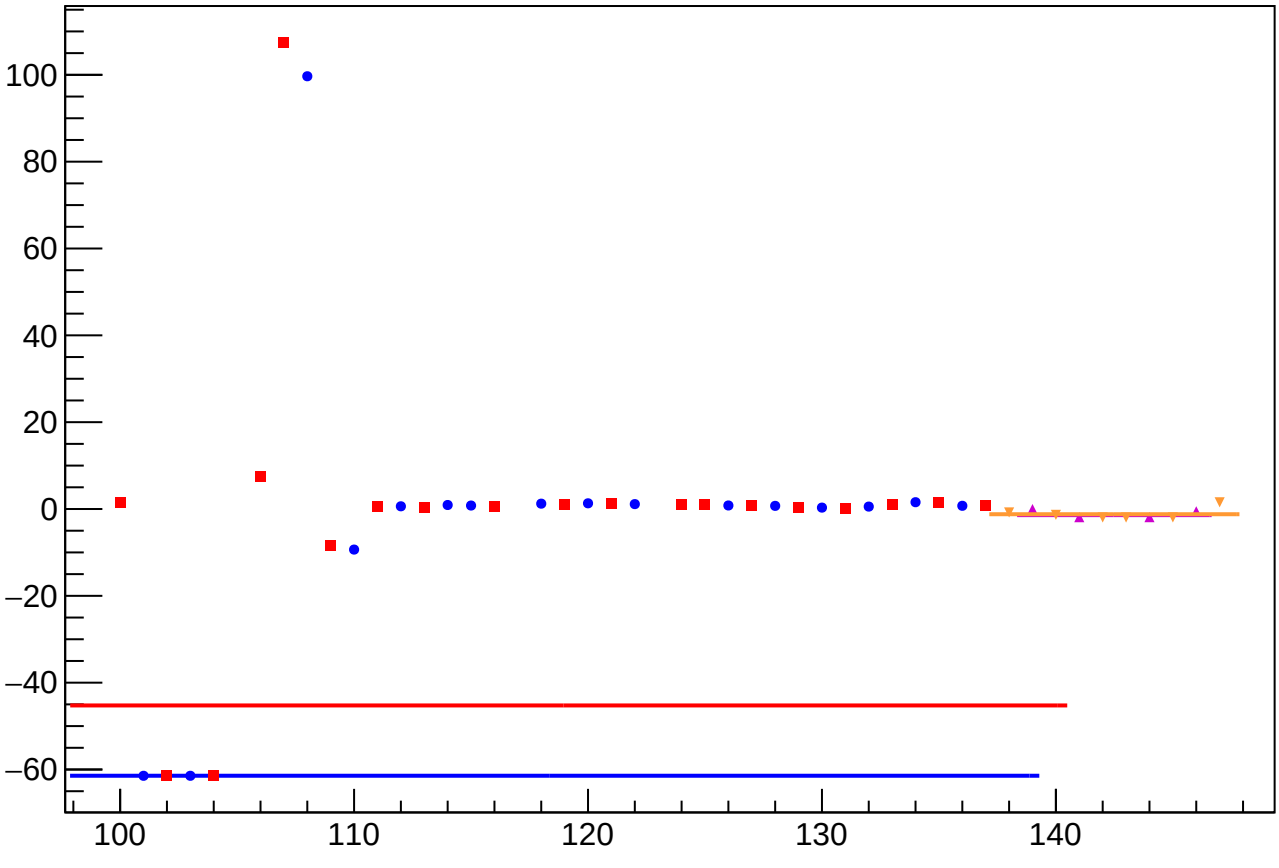
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.450+/-0.000 χ^2/NDF:3473719.9/19

Out: 0.421+/-0.000 χ^2/NDF:4416474.4/24

All: 0.434+/-0.000 χ^2/NDF: 7927018.5/44

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -1.203+/-0.000 χ^2/NDF:28255186.6/5

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: -1.411+/-0.000 χ^2/NDF:6281942.6/3

Left: -1.287+/-0.000 χ^2/NDF: 34860334.8/9

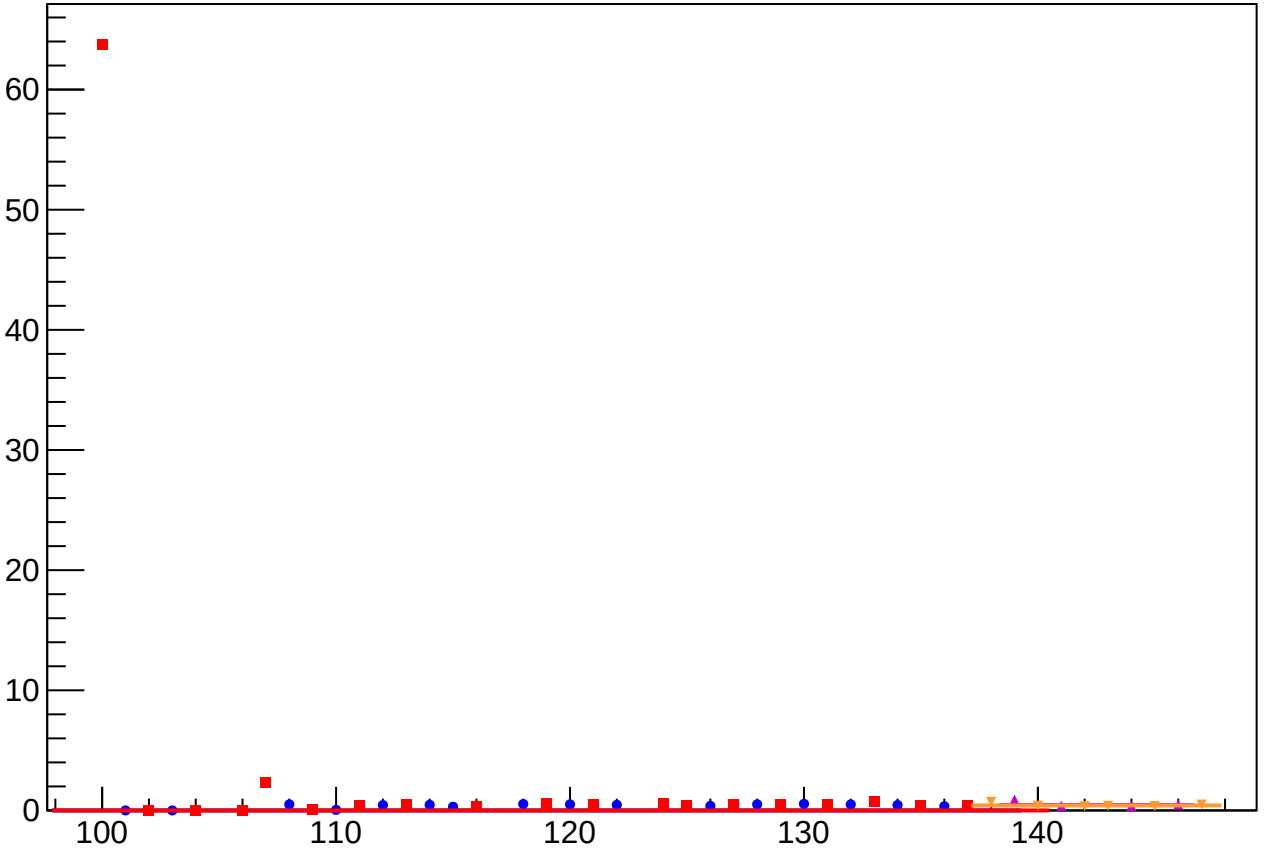
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.434+/-0.000 χ^2/NDF:318982666298.0/19

Out: -45.243+/-0.000 χ^2/NDF:357906305625011.5

All: -52.747+/-0.000 χ^2/NDF: 40920446472

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.418+/-0.000 χ^2/NDF:307546.5/5

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.452+/-0.000 χ^2/NDF:510714.6/3

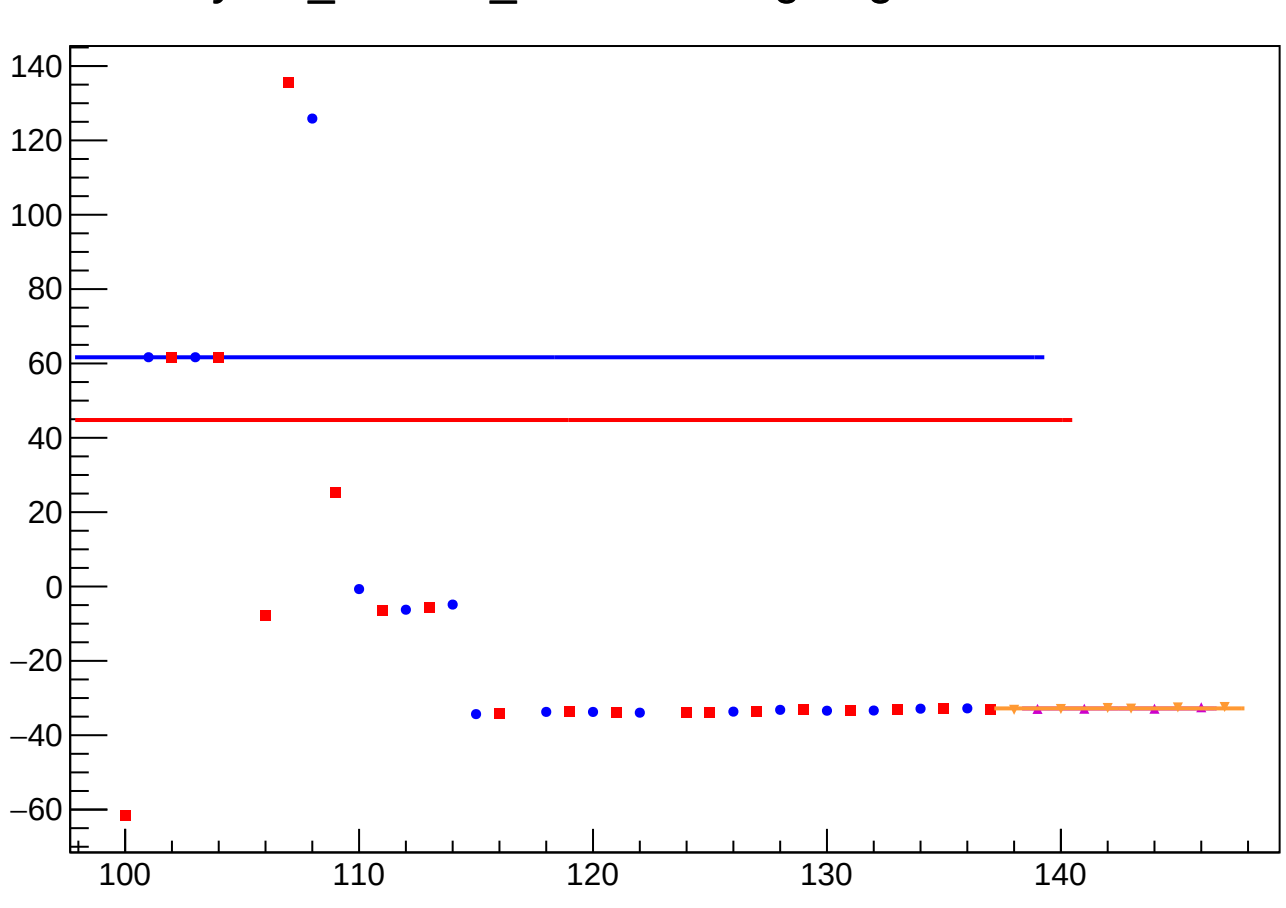
Left: 0.432+/-0.000 χ^2/NDF: 835854.8/9

Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:14791537.7/19

Out: 0.001+/-0.000 χ^2/NDF:16077299.1/24

All: 0.001+/-0.000 χ^2/NDF: 30868836.9/44



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.785+/-0.000 χ^2/NDF:2427377.3/5

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.811+/-0.000 χ^2/NDF:849371.1/3

Left: -32.797+/-0.000 χ^2/NDF: 3290134.6/9

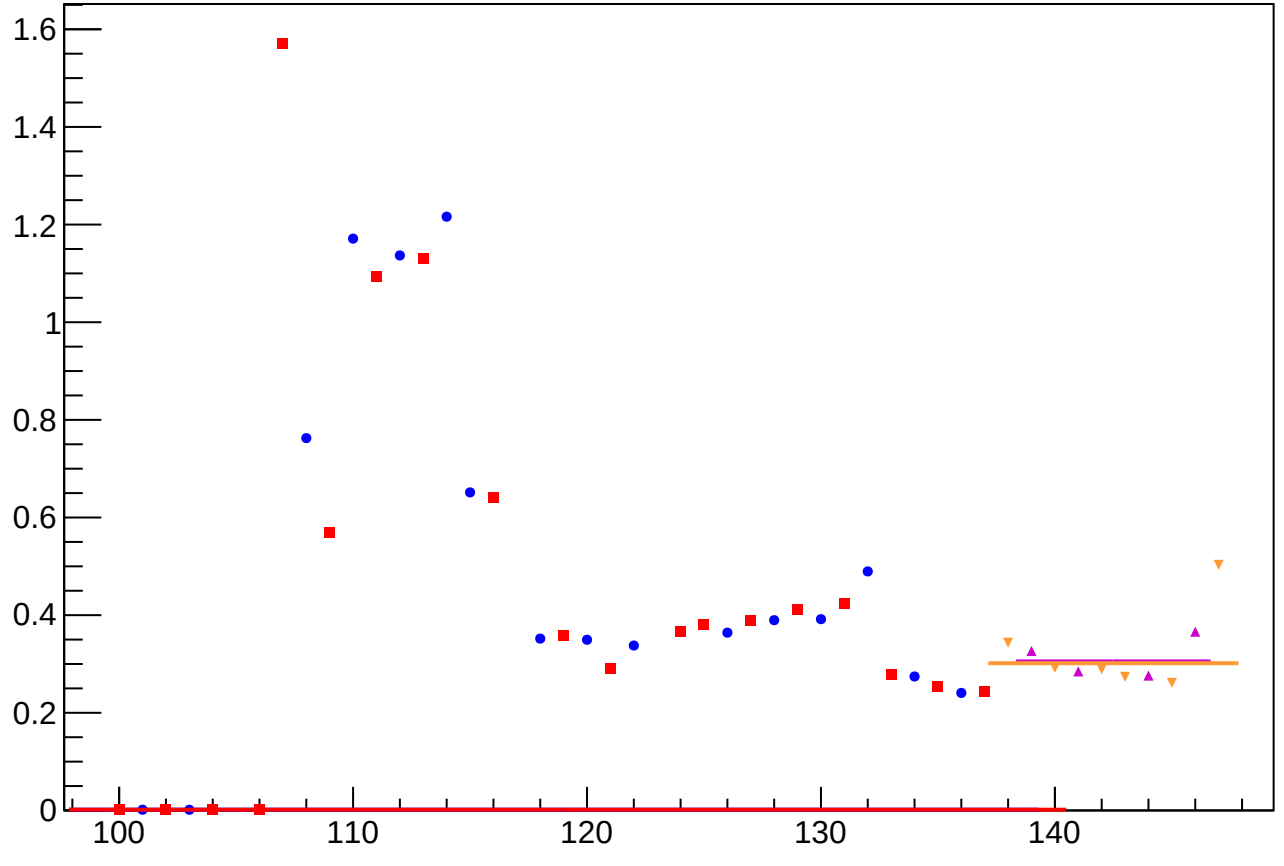
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.652+/-0.000 χ^2/NDF:685692625580.2/19

Out: 44.776+/-0.000 χ^2/NDF:366368954342688.1

All: 52.679+/-0.000 χ^2/NDF: 4181599794181

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.302+/-0.000 χ^2/NDF:335924.0/5

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.305+/-0.000 χ^2/NDF:80329.4/3

Left: 0.303+/-0.000 χ^2/NDF: 416791.0/9

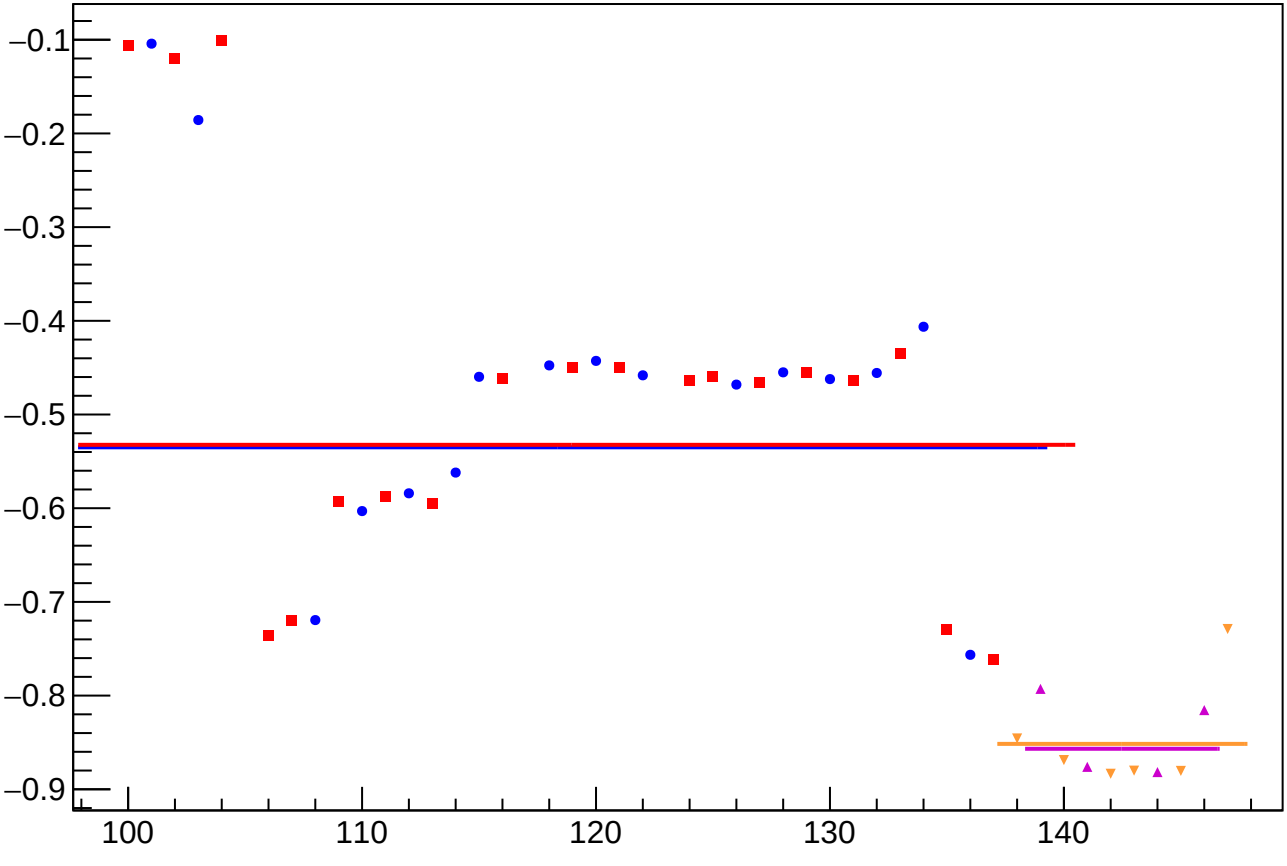
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:17643486.5/19

Out: 0.002+/-0.000 χ^2/NDF:19100725.7/24

All: 0.002+/-0.000 χ^2/NDF: 36744396.9/44

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.852+/-0.000 χ^2/NDF:29168244.4/5

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.857+/-0.000 χ^2/NDF:7150849.1/3

Left: -0.854+/-0.000 χ^2/NDF: 36427161.2/9

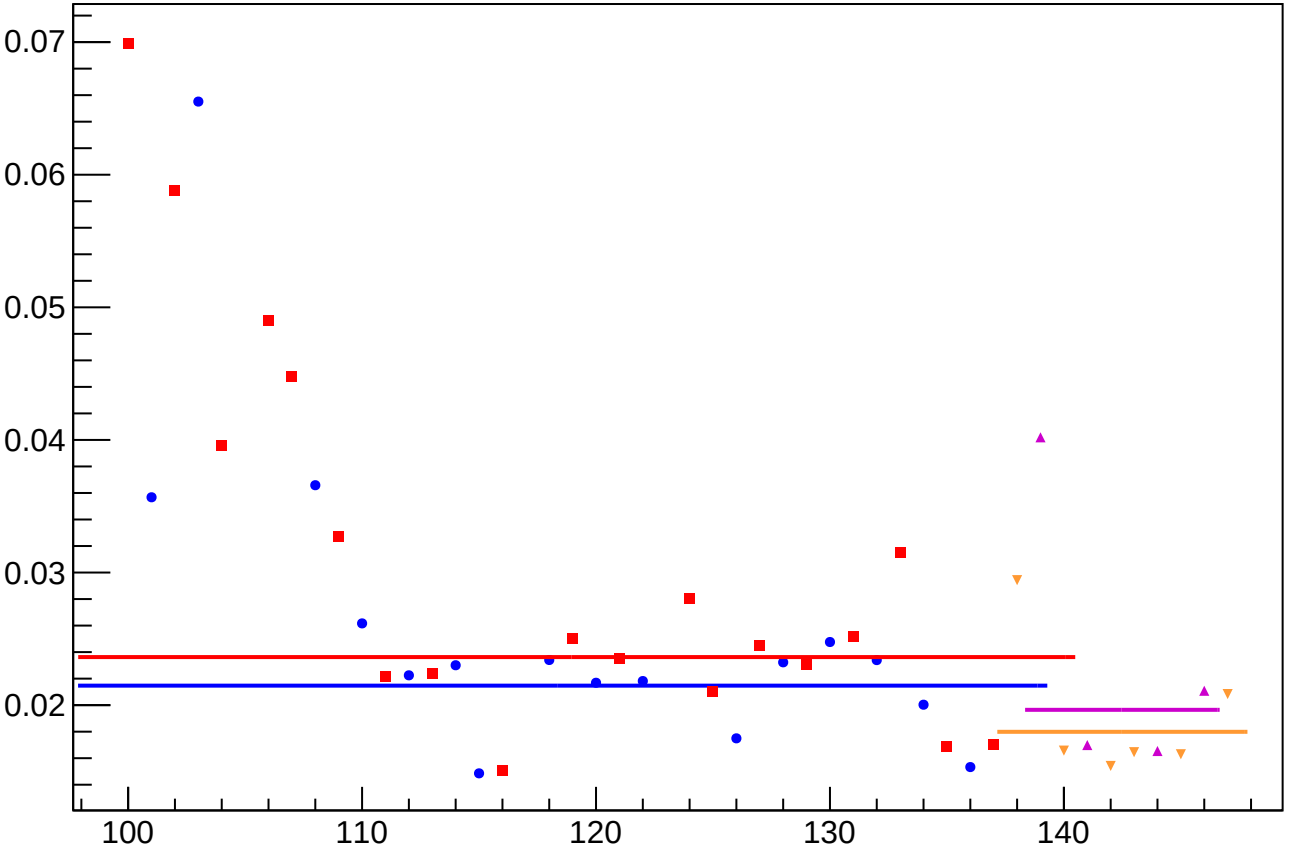
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.652+/-0.000 χ^2/NDF:745442950.9/19

Out: -0.691+/-0.000 χ^2/NDF:750154910.4/24

All: -0.672+/-0.000 χ^2/NDF: 1510304774.8/4

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:268217.0/5

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:522324.7/3

Left: 0.019+/-0.000 χ^2/NDF: 812387.4/9

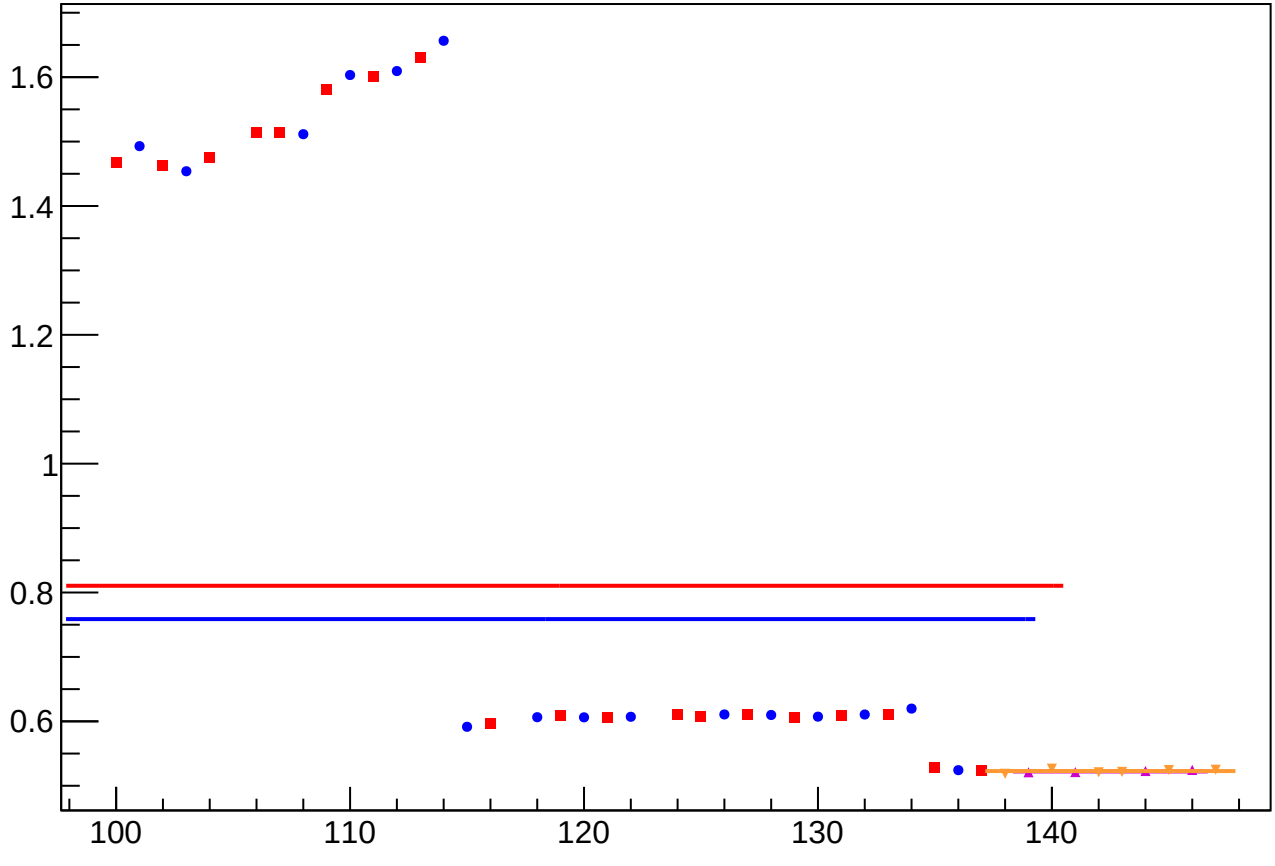
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1704427.1/19

Out: 0.021+/-0.000 χ^2/NDF:1861466.8/24

All: 0.021+/-0.000 χ^2/NDF: 3565896.4/44

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.523+/-0.000 χ^2/NDF:225337.6/5

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.522+/-0.000 χ^2/NDF:38393.1/3

Left: 0.523+/-0.000 χ^2/NDF: 269443.9/9

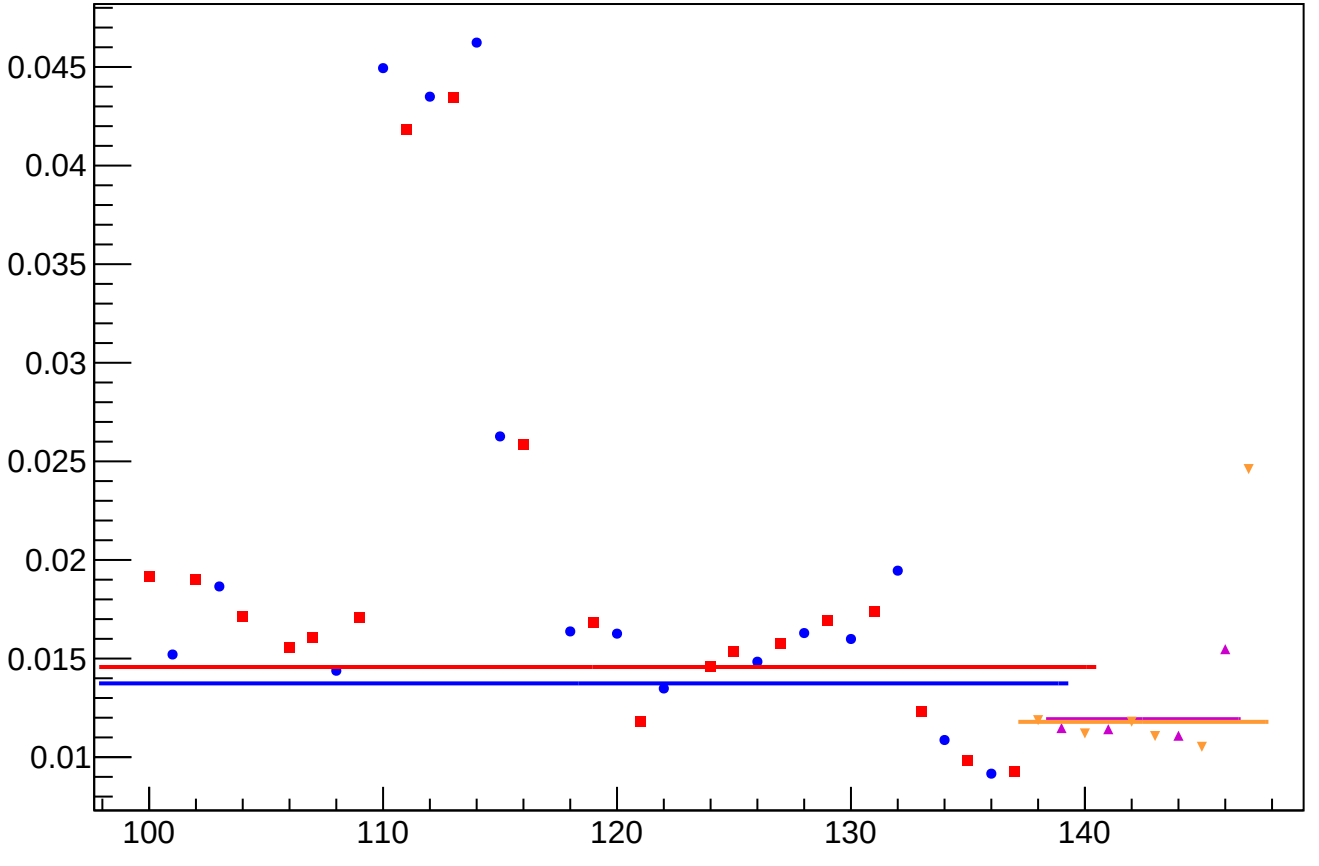
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.658+/-0.000 χ^2/NDF:5051832739.9/19

Out: 0.666+/-0.000 χ^2/NDF:5988809345.6/24

All: 0.662+/-0.000 χ^2/NDF: 11042327070.2/4

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:466962.5/5

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:101087.5/3

Left: 0.012+/-0.000 χ^2/NDF: 568527.8/9

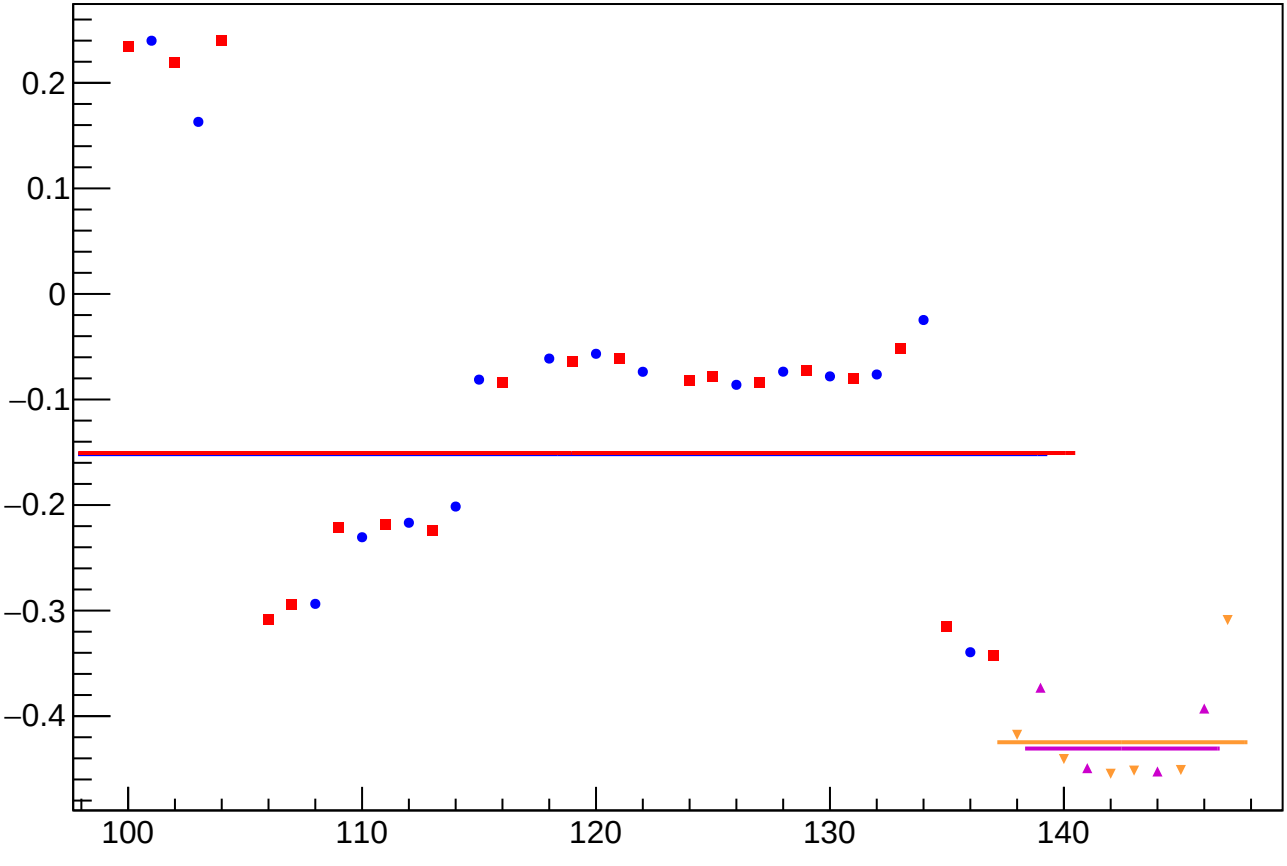
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:1838893.3/19

Out: 0.013+/-0.000 χ^2/NDF:2150037.6/24

All: 0.013+/-0.000 χ^2/NDF: 3991309.0/44

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.425+/-0.000 χ^2/NDF:28662544.2/5

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.431+/-0.000 χ^2/NDF:6837982.7/3

Left: -0.427+/-0.000 χ^2/NDF: 35660597.8/9

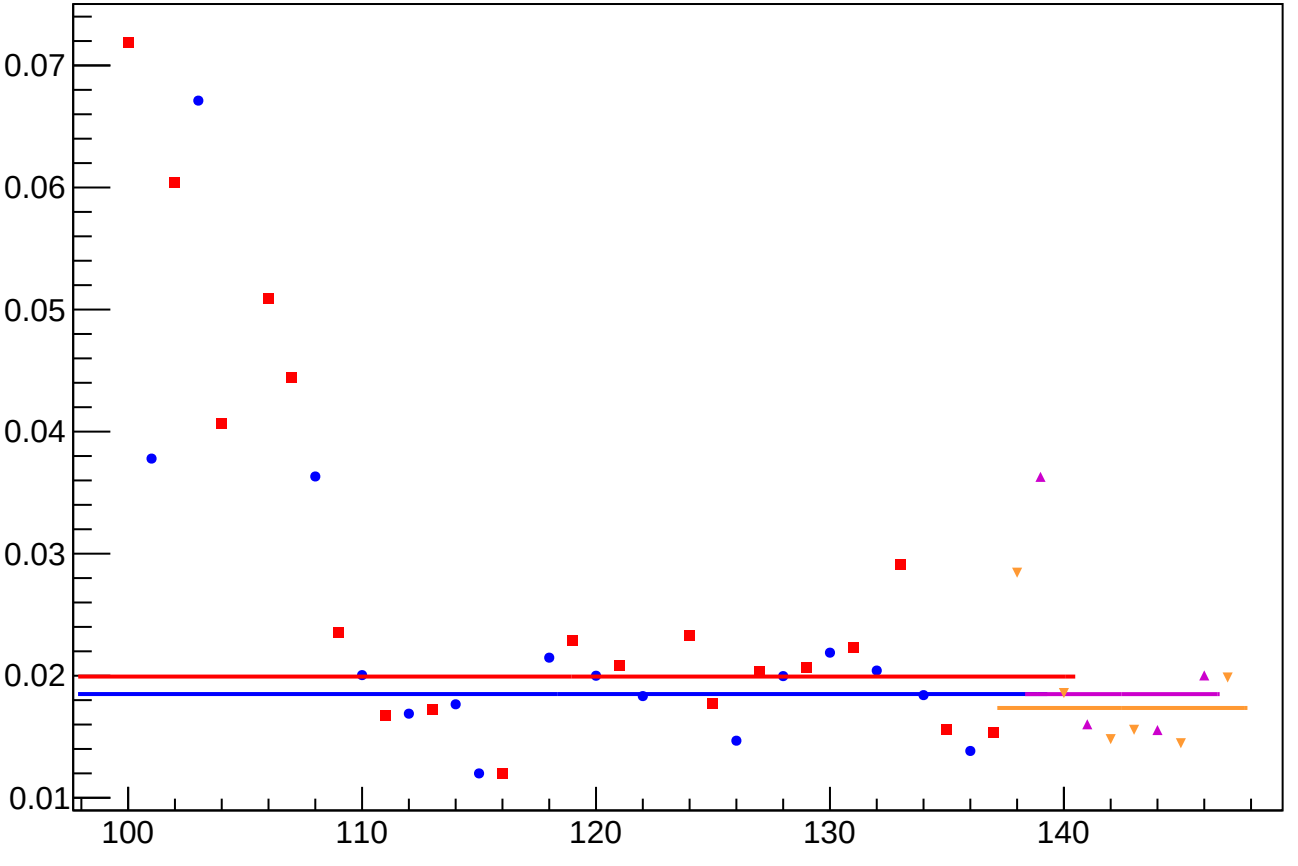
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.244+/-0.000 χ^2/NDF:680246168.3/19

Out: -0.272+/-0.000 χ^2/NDF:683879801.0/24

All: -0.259+/-0.000 χ^2/NDF: 1373437052.7/4

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.017+/-0.000 χ^2/NDF:309153.8/5

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.018+/-0.000 χ^2/NDF:490110.7/3

Left: 0.018+/-0.000 χ^2/NDF: 810800.8/9

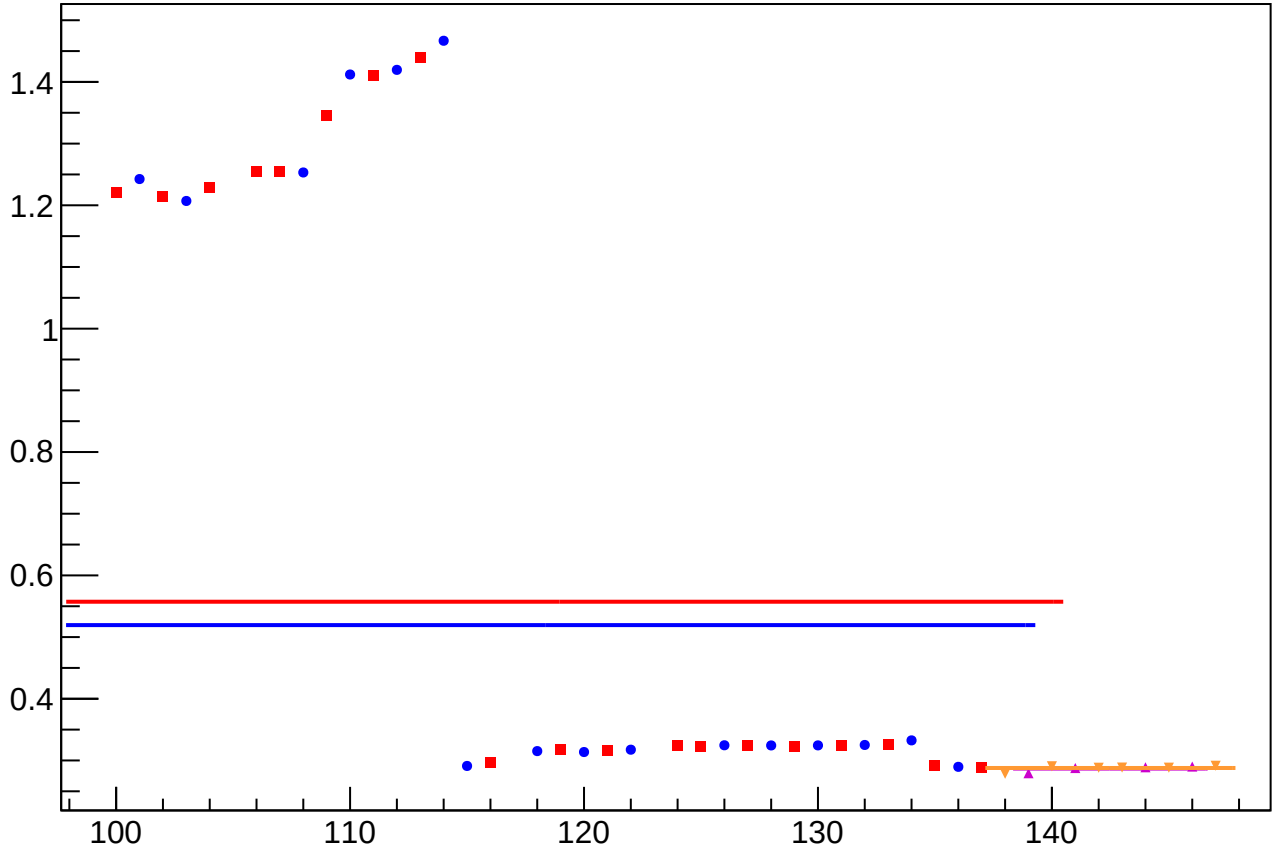
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.018+/-0.000 χ^2/NDF:1862470.1/19

Out: 0.019+/-0.000 χ^2/NDF:1937084.3/24

All: 0.019+/-0.000 χ^2/NDF: 3801631.3/44

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.288+/-0.000 χ^2/NDF:449908.4/5

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.287+/-0.000 χ^2/NDF:395856.7/3

Left: 0.287+/-0.000 χ^2/NDF: 859603.3/9

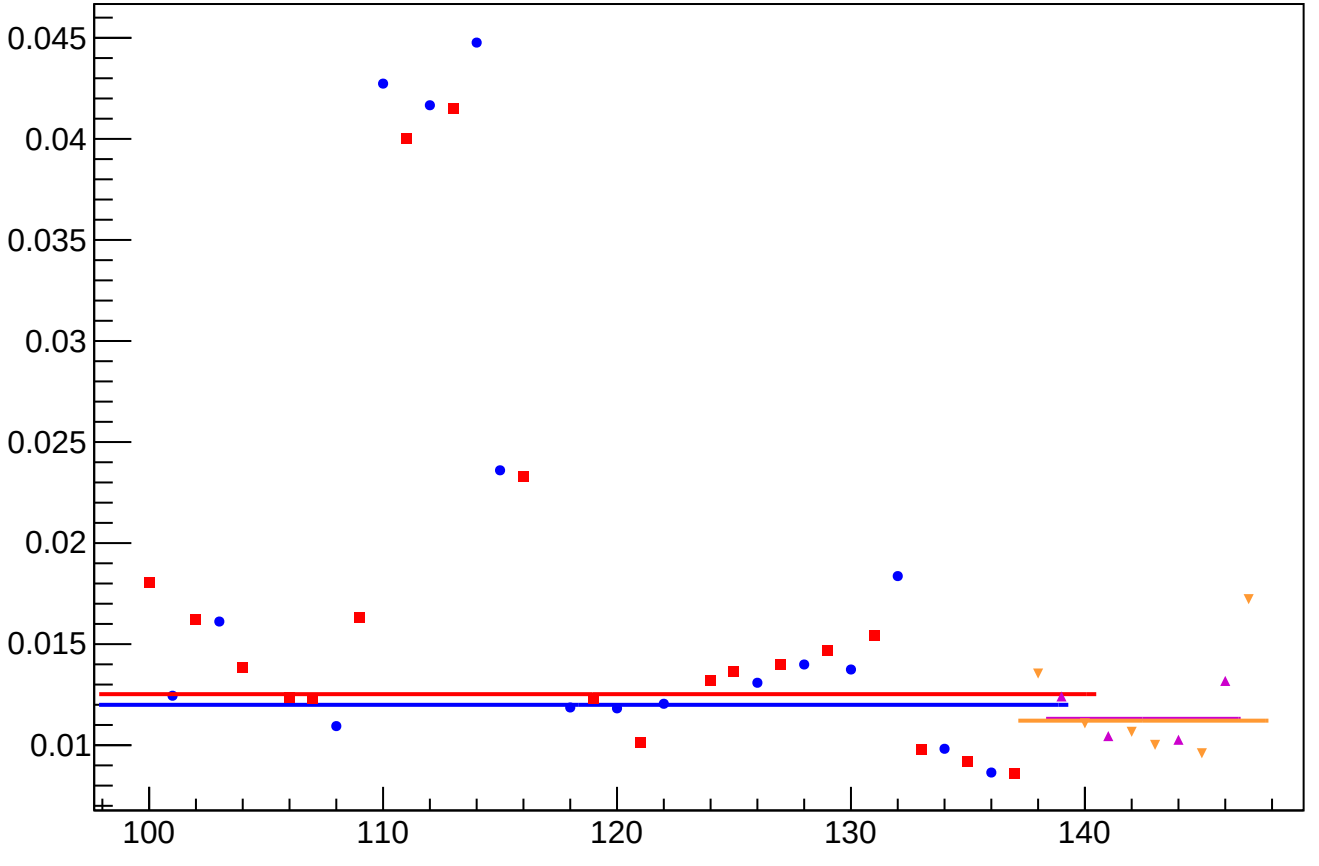
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.430+/-0.000 χ^2/NDF:7179753508.8/19

Out: 0.434+/-0.000 χ^2/NDF:8047236259.9/24

All: 0.432+/-0.000 χ^2/NDF: 15227433783.4/4

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:308222.8/5

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:75148.1/3

Left: 0.011+/-0.000 χ^2/NDF: 383609.6/9

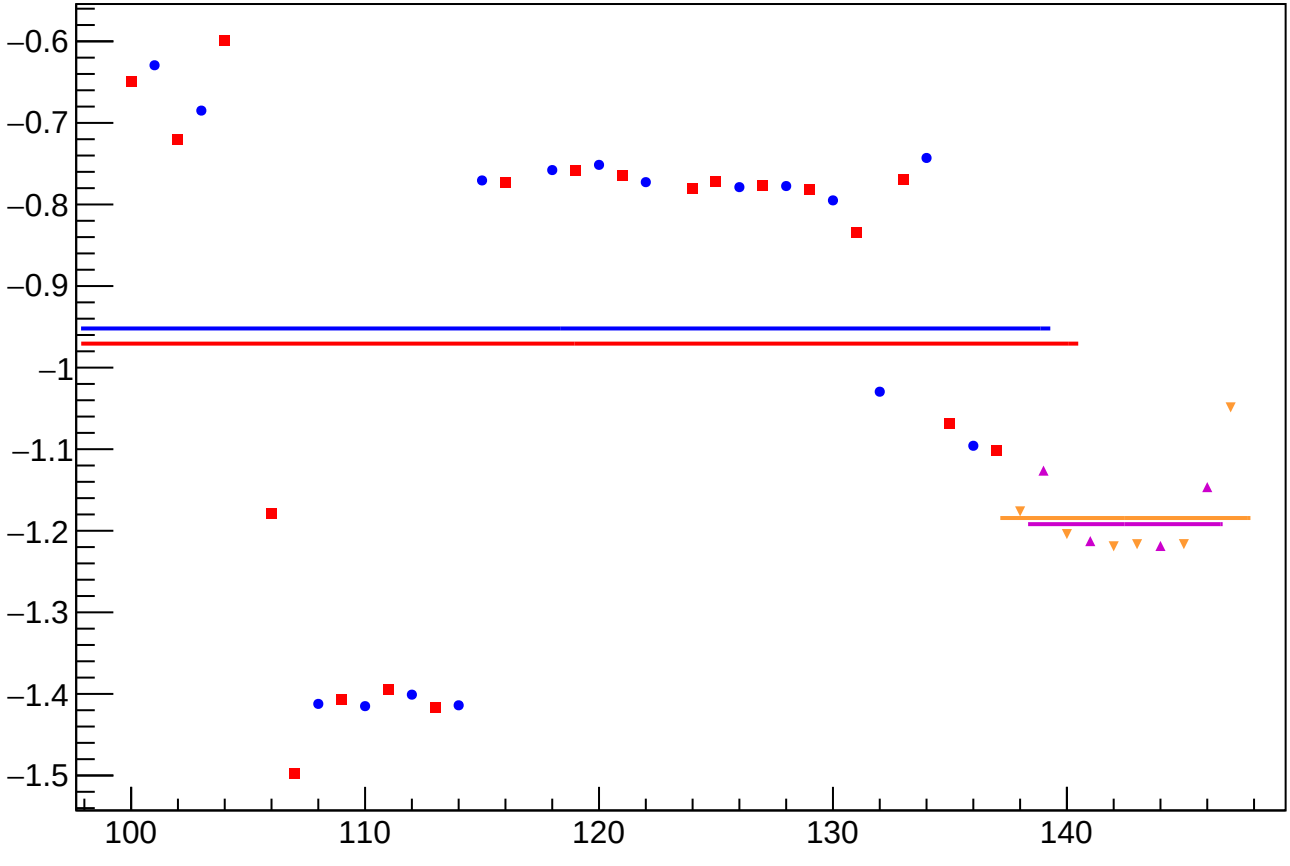
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1582013.8/19

Out: 0.012+/-0.000 χ^2/NDF:1804026.0/24

All: 0.012+/-0.000 χ^2/NDF: 3388617.1/44

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.184+/-0.000 χ^2/NDF:37542546.4/5

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.192+/-0.000 χ^2/NDF:8606584.7/3

Left: -1.187+/-0.000 χ^2/NDF: 46384402.8/9

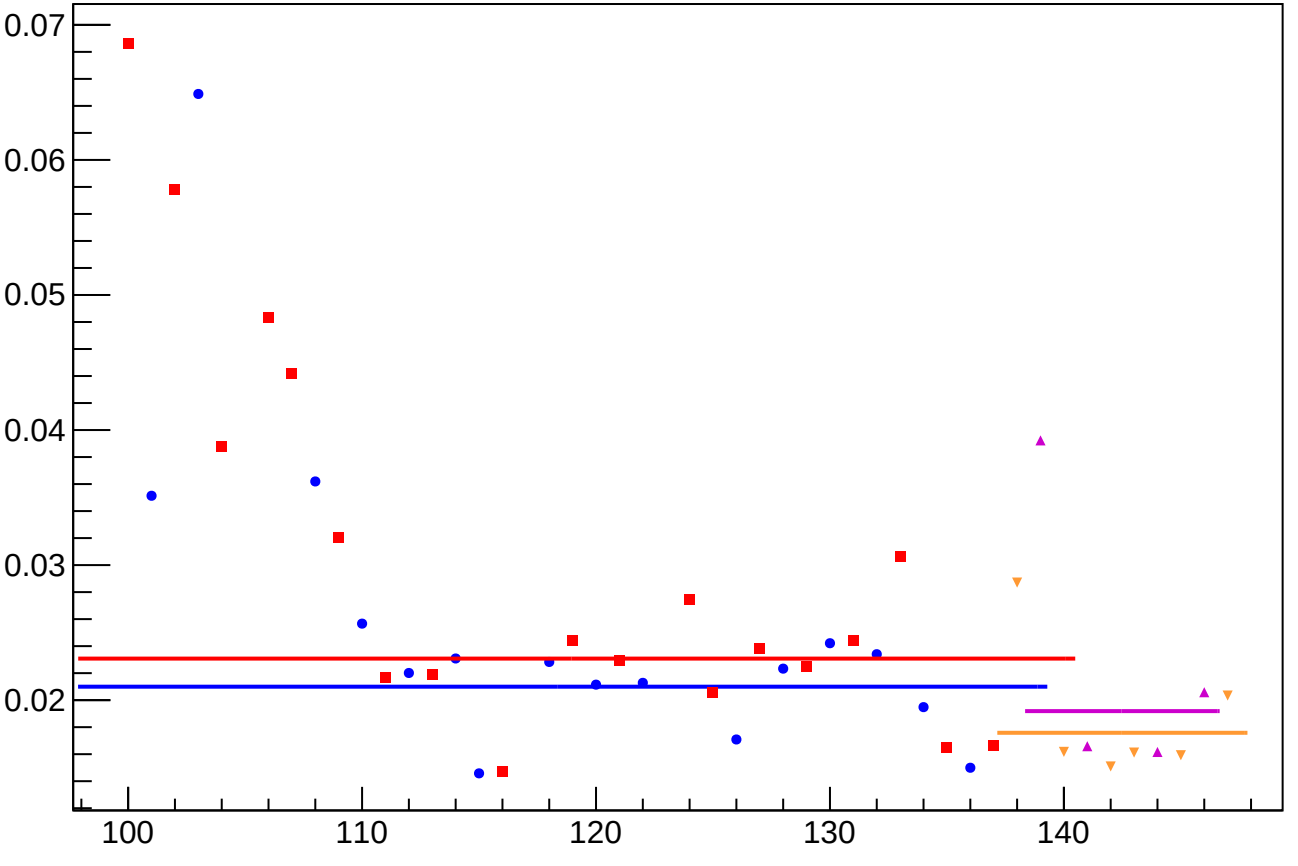
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.039+/-0.000 χ^2/NDF:962707008.2/19

Out: -1.077+/-0.000 χ^2/NDF:989920229.9/24

All: -1.059+/-0.000 χ^2/NDF: 1966812367.6/4

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:266303.0/5

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:521572.5/3

Left: 0.018+/-0.000 χ^2/NDF: 809334.7/9

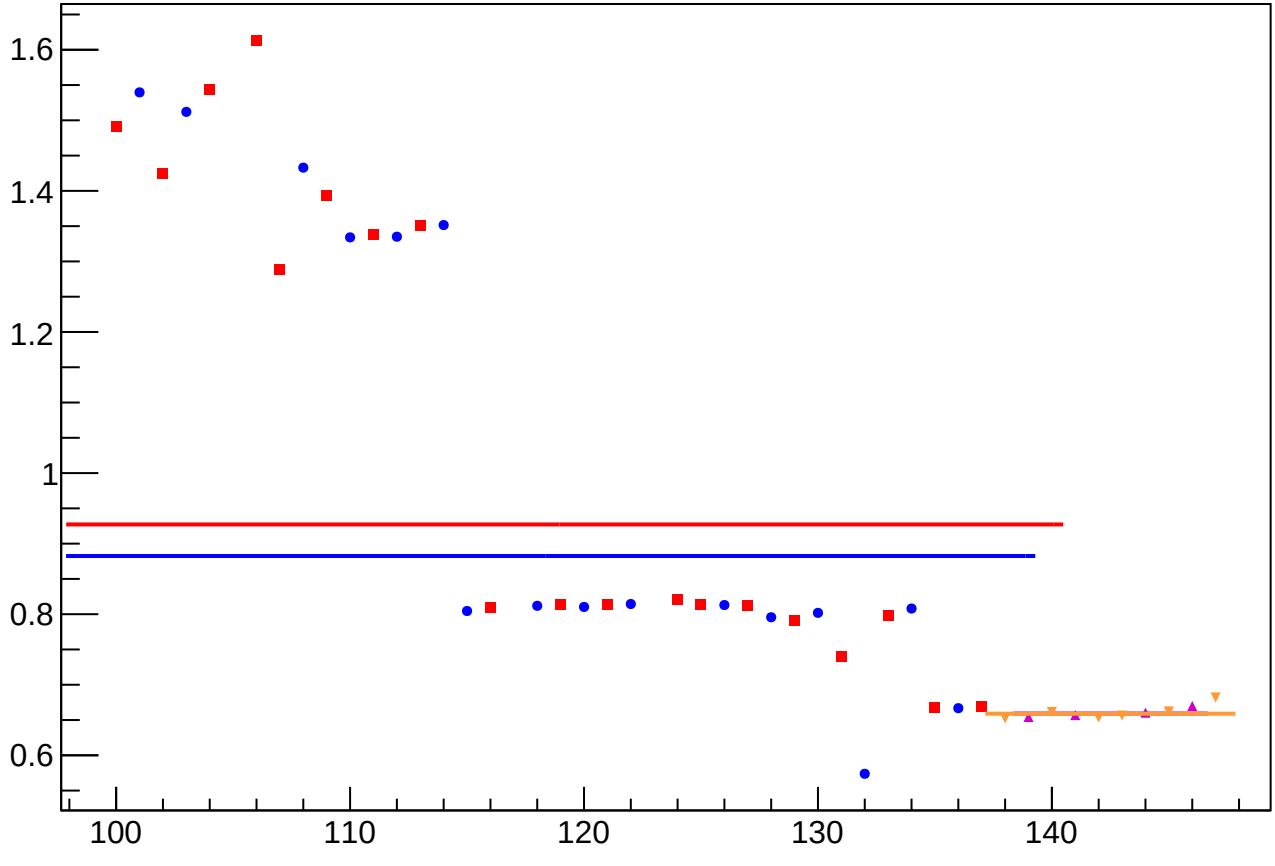
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1717524.4/19

Out: 0.020+/-0.000 χ^2/NDF:1861728.9/24

All: 0.020+/-0.000 χ^2/NDF: 3579253.4/44

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.659+/-0.000 χ^2/NDF:1171604.9/5

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.659+/-0.000 χ^2/NDF:572940.6/3

Left: 0.659+/-0.000 χ^2/NDF: 1745479.1/9

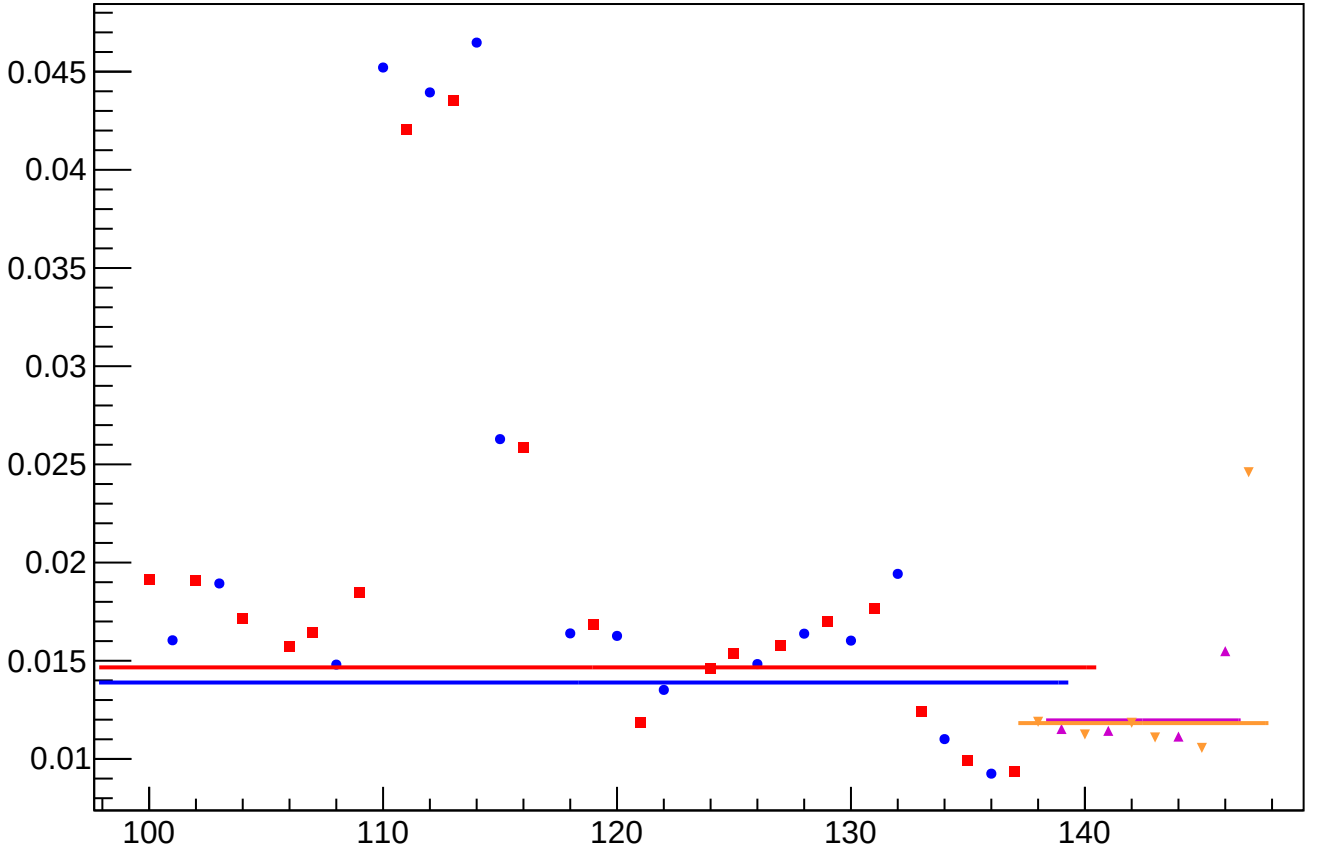
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.787+/-0.000 χ^2/NDF:3440884609.1/19

Out: 0.792+/-0.000 χ^2/NDF:3812092339.8/24

All: 0.789+/-0.000 χ^2/NDF: 7253692454.2/44

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:463519.5/5

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:99510.0/3

Left: 0.012+/-0.000 χ^2/NDF: 563523.6/9

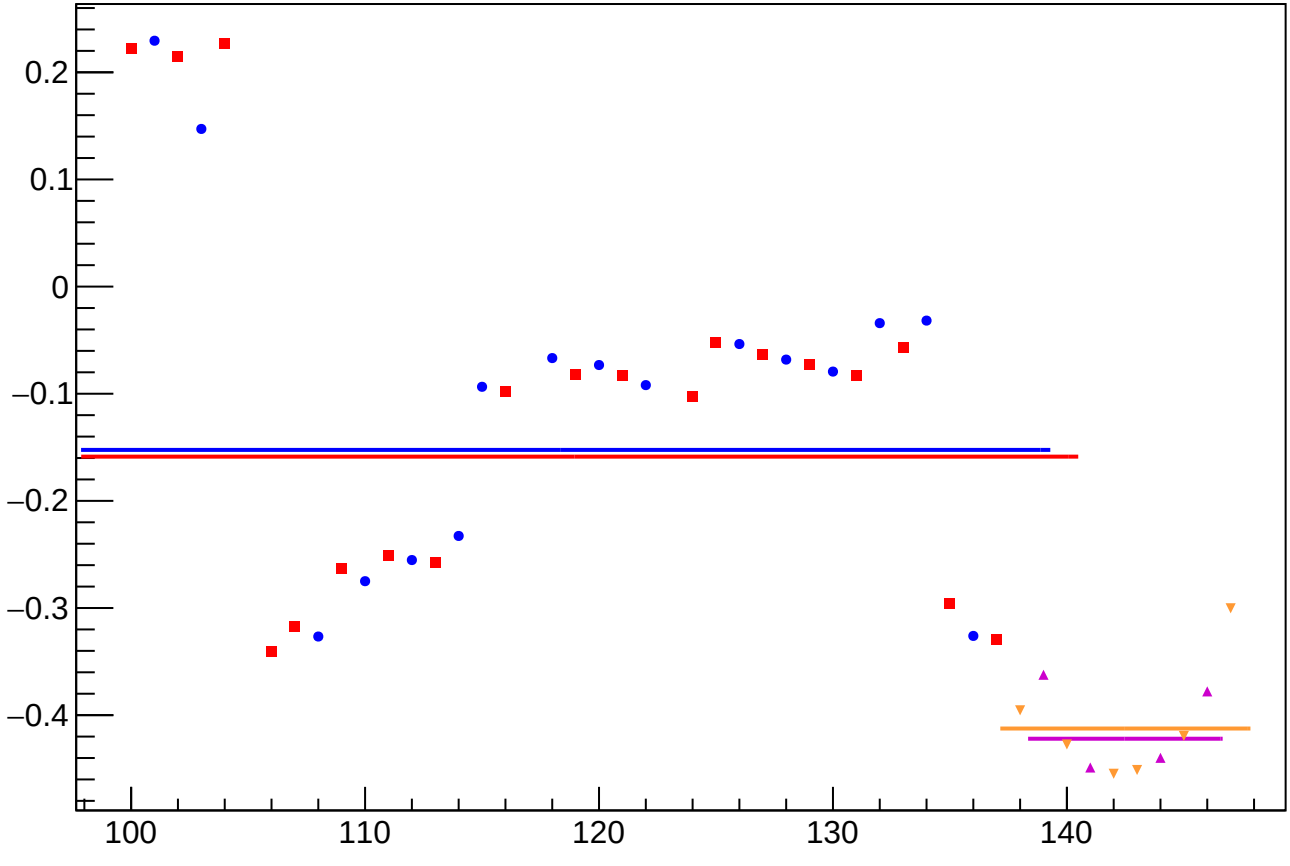
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:1844134.5/19

Out: 0.013+/-0.000 χ^2/NDF:2165136.5/24

All: 0.013+/-0.000 χ^2/NDF: 4010805.1/44

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.412+/-0.000 χ^2/NDF:28126989.8/5

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.422+/-0.000 χ^2/NDF:8222884.3/3

Left: -0.416+/-0.000 χ^2/NDF: 36754689.2/9

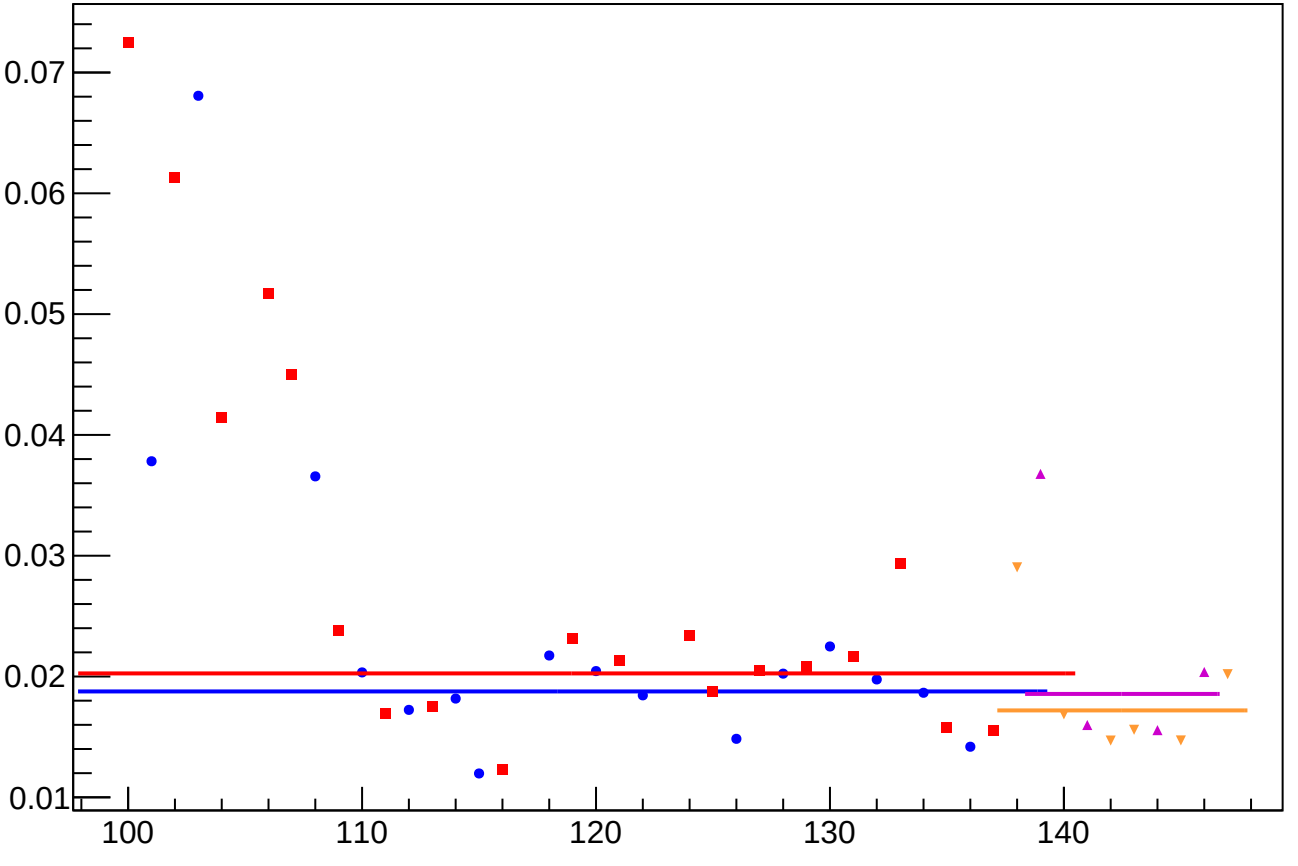
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.243+/-0.000 χ^2/NDF:646766899.7/19

Out: -0.274+/-0.000 χ^2/NDF:610607878.6/24

All: -0.259+/-0.000 χ^2/NDF: 1268649916.5/4

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.017+/-0.000 χ^2/NDF:318183.6/5

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:504643.0/3

Left: 0.018+/-0.000 χ^2/NDF: 839452.6/9

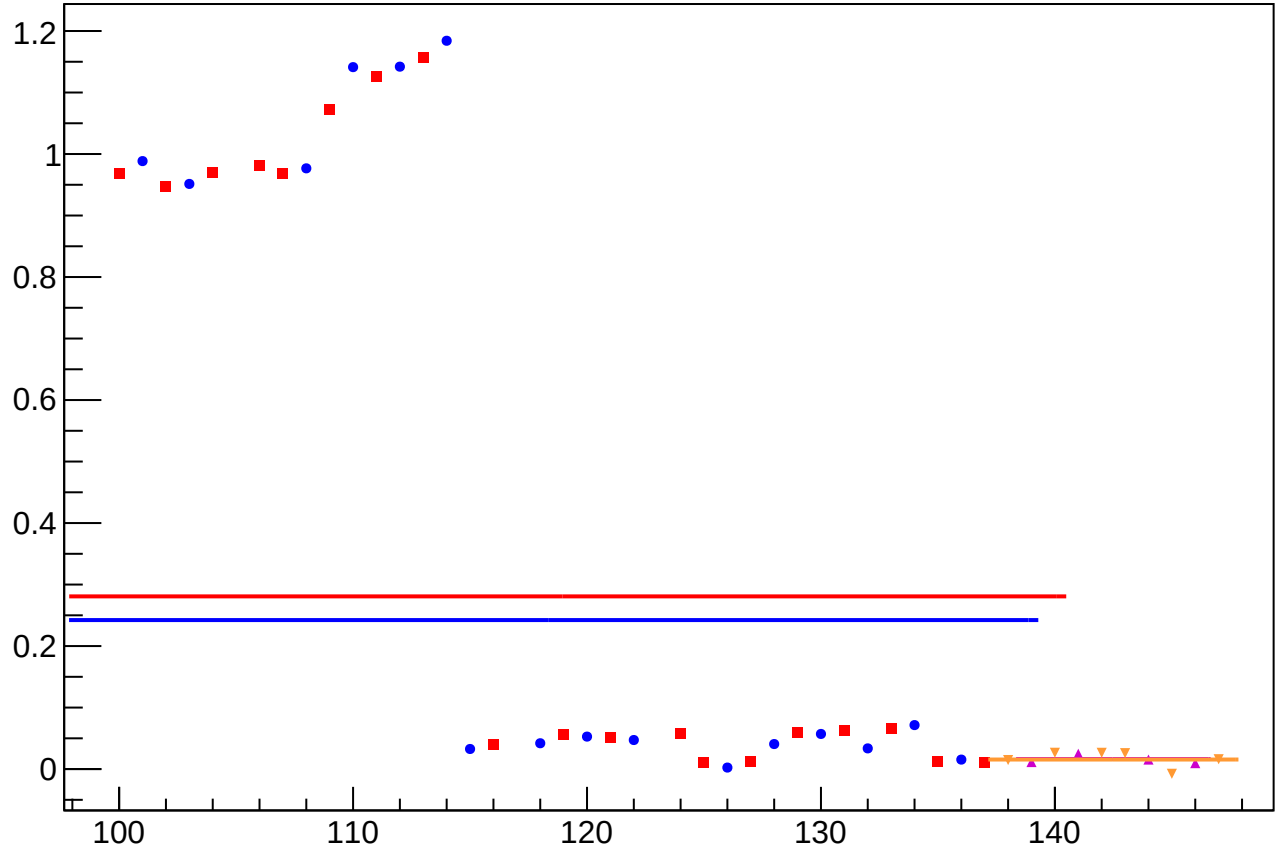
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1854484.4/19

Out: 0.019+/-0.000 χ^2/NDF:1960552.6/24

All: 0.019+/-0.000 χ^2/NDF: 3815746.3/44

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:6773196.8/5

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.016+/-0.000 χ^2/NDF:949012.6/3

Left: 0.016+/-0.000 χ^2/NDF: 7733086.5/9

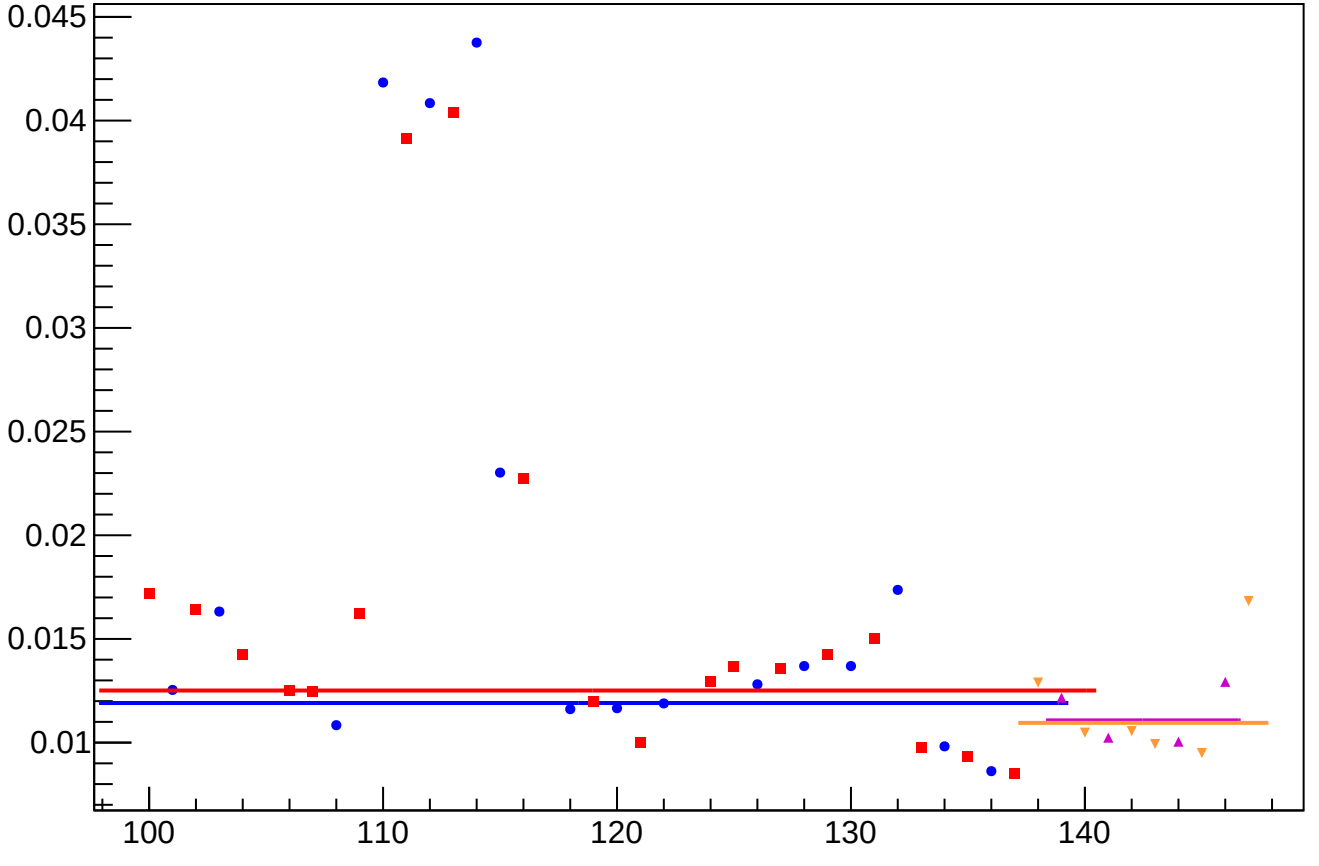
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.154+/-0.000 χ^2/NDF:7345715340.4/19

Out: 0.156+/-0.000 χ^2/NDF:8058499647.5/24

All: 0.155+/-0.000 χ^2/NDF: 15404359650.3/4

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:286512.7/5

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:76418.8/3

Left: 0.011+/-0.000 χ^2/NDF: 363365.1/9

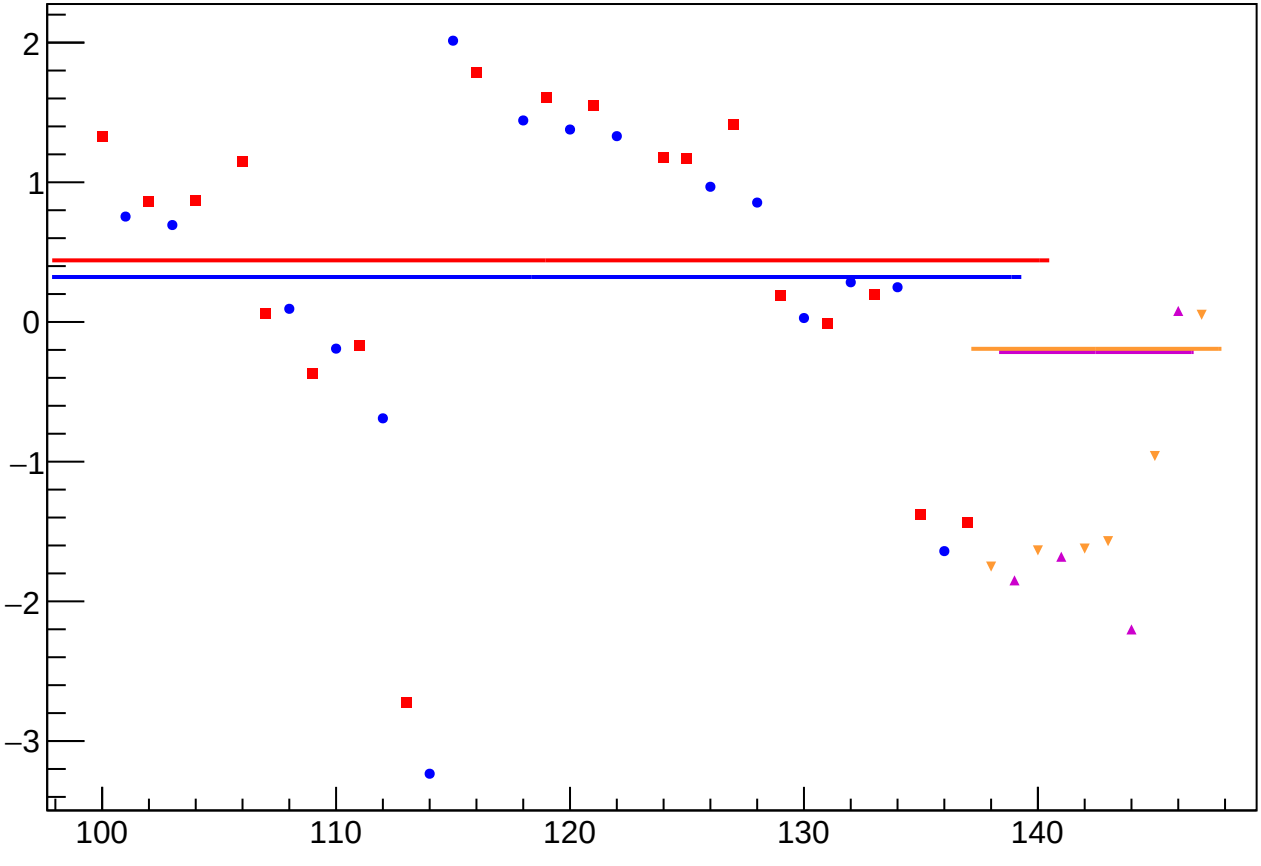
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.012+/-0.000 χ^2/NDF:1558906.3/19

Out: 0.012+/-0.000 χ^2/NDF:1768514.5/24

All: 0.012+/-0.000 χ^2/NDF: 3330175.0/44

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: -0.192+/-0.000 χ^2/NDF:988513152.0/5

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: -0.215+/-0.000 χ^2/NDF:1492983056.1/3

Left: -0.203+/-0.000 χ^2/NDF: 2482297083.3/9

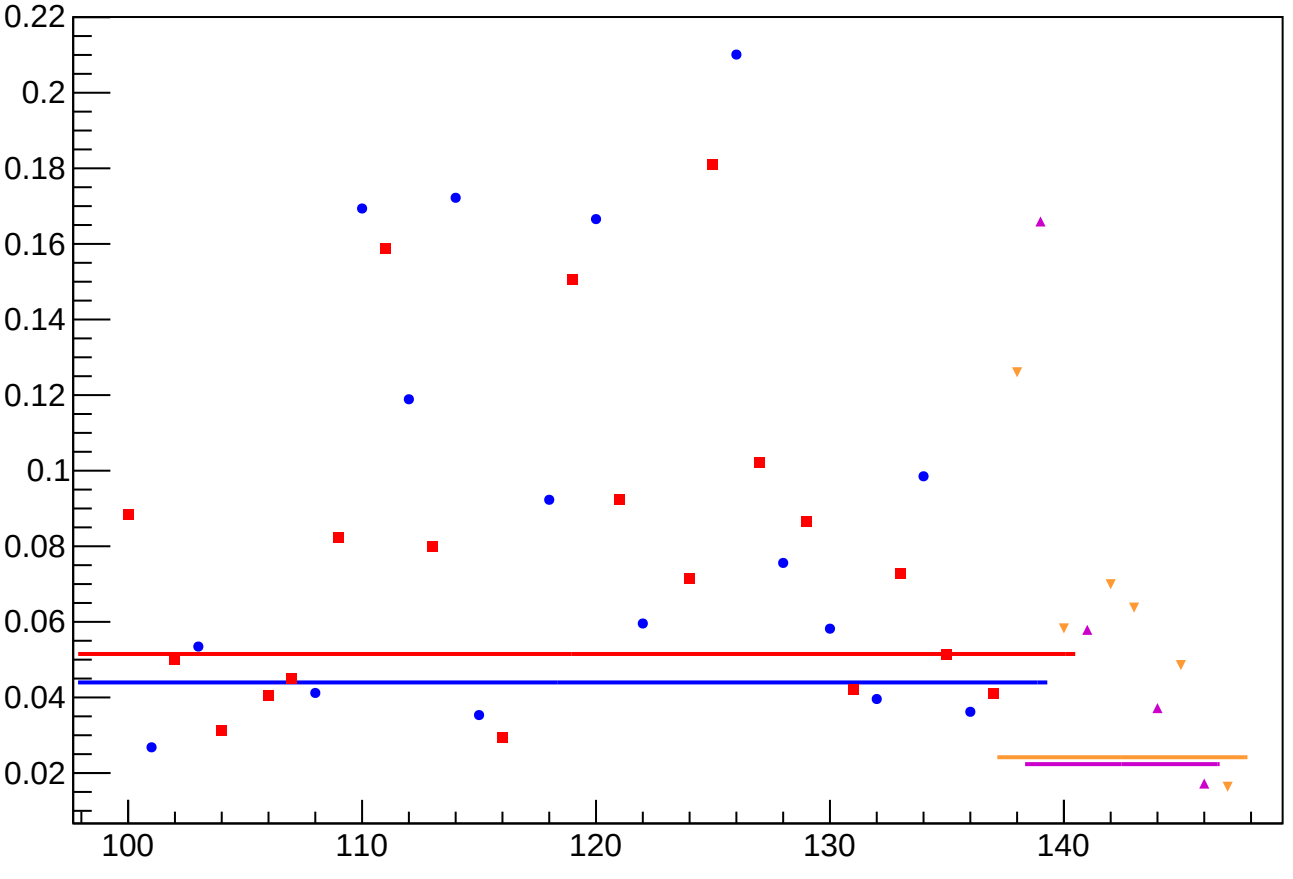
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.008+/-0.000 χ^2/NDF:3492929836.0/19

Out: 0.020+/-0.000 χ^2/NDF:3223950024.4/24

All: 0.014+/-0.000 χ^2/NDF: 6717261442.9/44

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.024+/-0.000 χ^2/NDF:2335715.4/5

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.022+/-0.000 χ^2/NDF:1754106.4/3

Left: 0.023+/-0.000 χ^2/NDF: 4099833.0/9

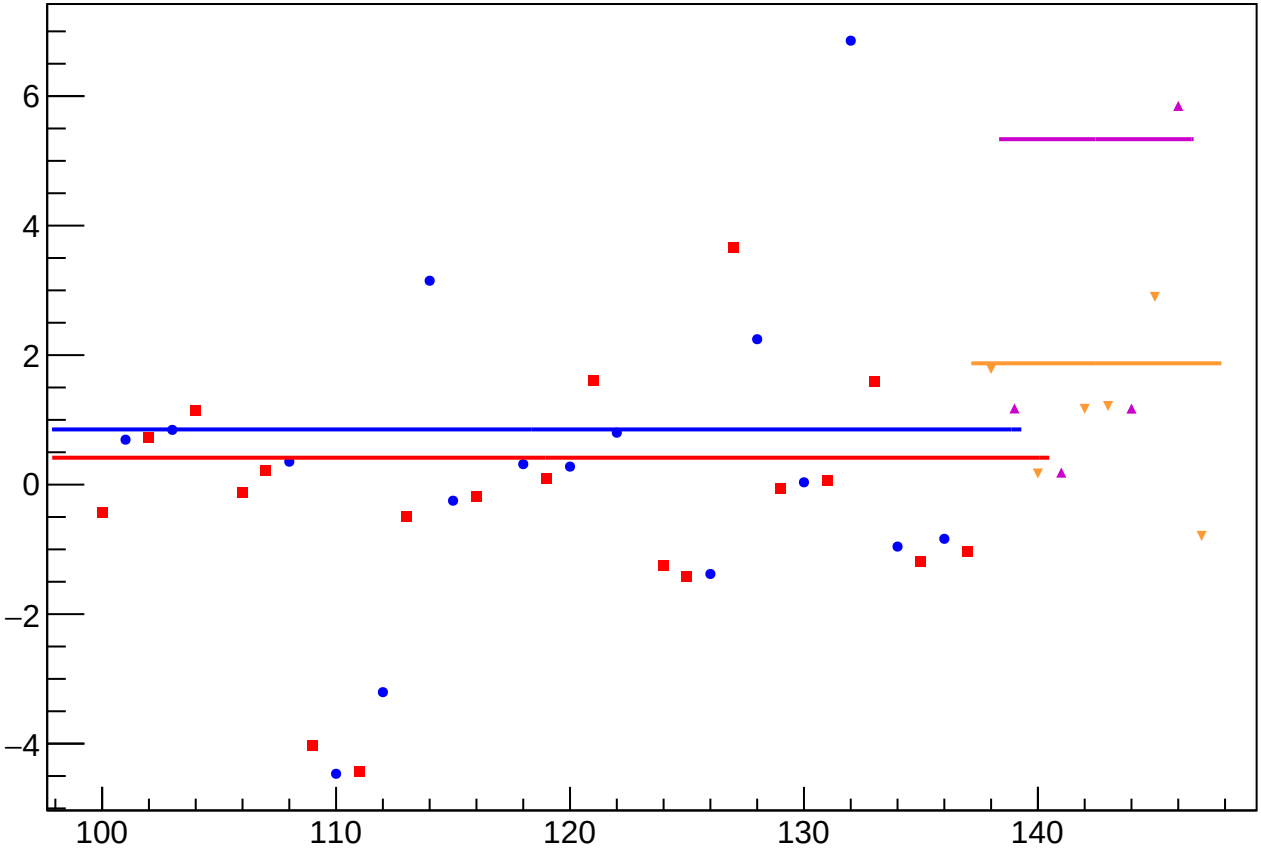
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.031+/-0.000 χ^2/NDF:5626267.0/19

Out: 0.033+/-0.000 χ^2/NDF:6336381.8/24

All: 0.032+/-0.000 χ^2/NDF: 11982356.8/44

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 1.874+/-0.000 χ^2/NDF:12001873767.4/5

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 5.335+/-0.000 χ^2/NDF:11450593253.2/3

Left: 3.583+/-0.000 χ^2/NDF: 52989780838.6/9

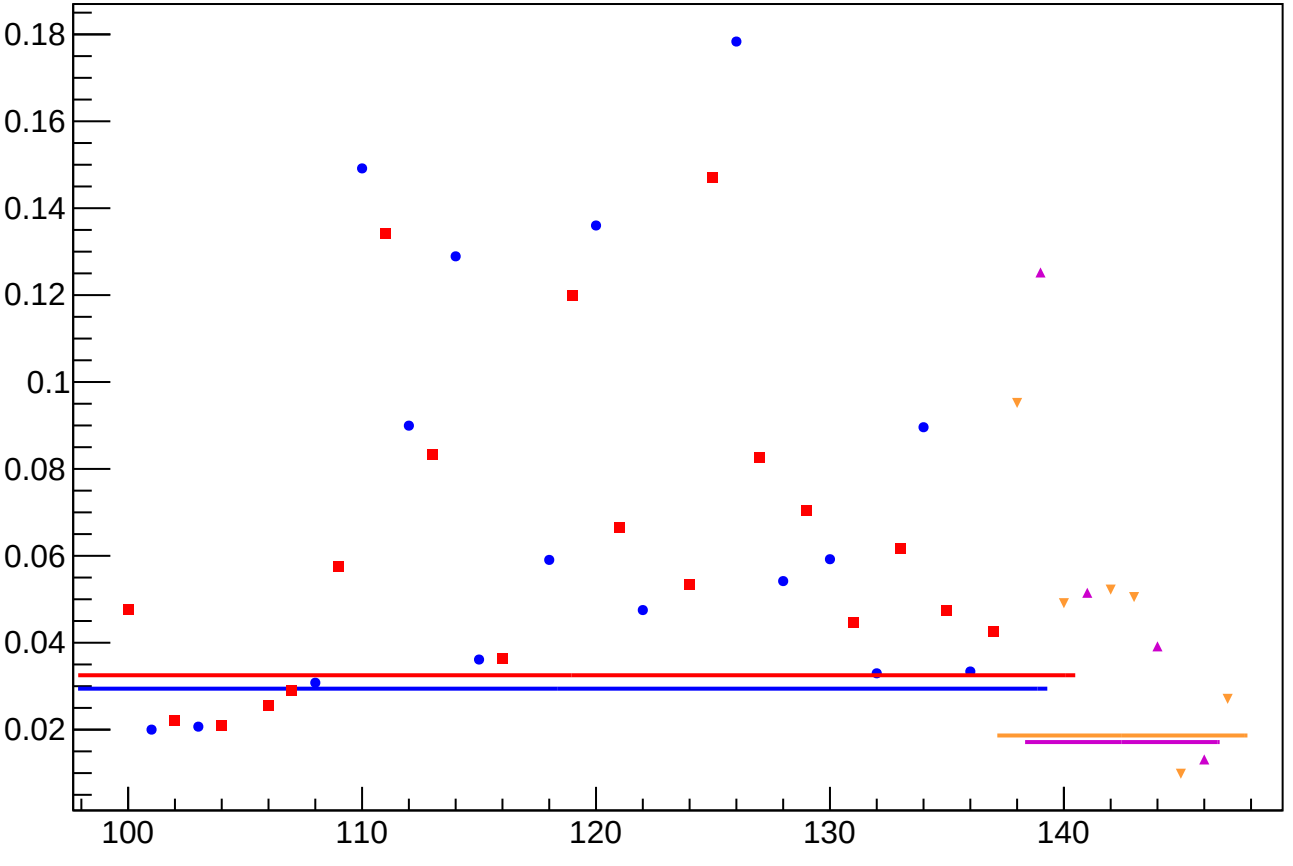
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 3.244+/-0.000 χ^2/NDF:68684502363.1/19

Out: 1.234+/-0.000 χ^2/NDF:21777557922.9/24

All: 2.252+/-0.000 χ^2/NDF: 108663960942.6

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:2454793.7/5

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.017+/-0.000 χ^2/NDF:1988377.2/3

Left: 0.018+/-0.000 χ^2/NDF: 4454468.5/9

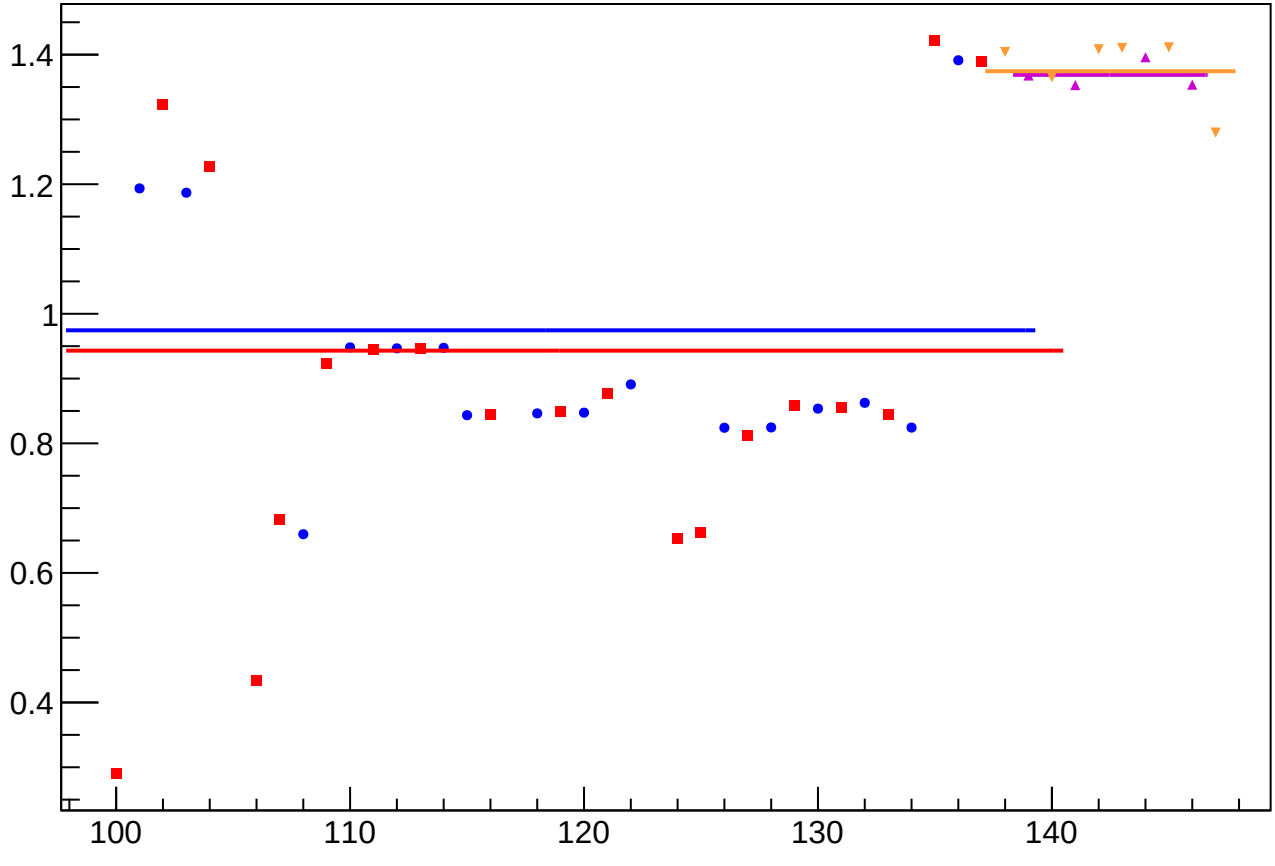
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.023+/-0.000 χ^2/NDF:5867161.7/19

Out: 0.025+/-0.000 χ^2/NDF:6611912.5/24

All: 0.024+/-0.000 χ^2/NDF: 12510360.7/44

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.374+/-0.000 χ^2/NDF:62084678.1/5

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.369+/-0.000 χ^2/NDF:7001612.5/3

Left: 1.372+/-0.000 χ^2/NDF: 69401206.2/9

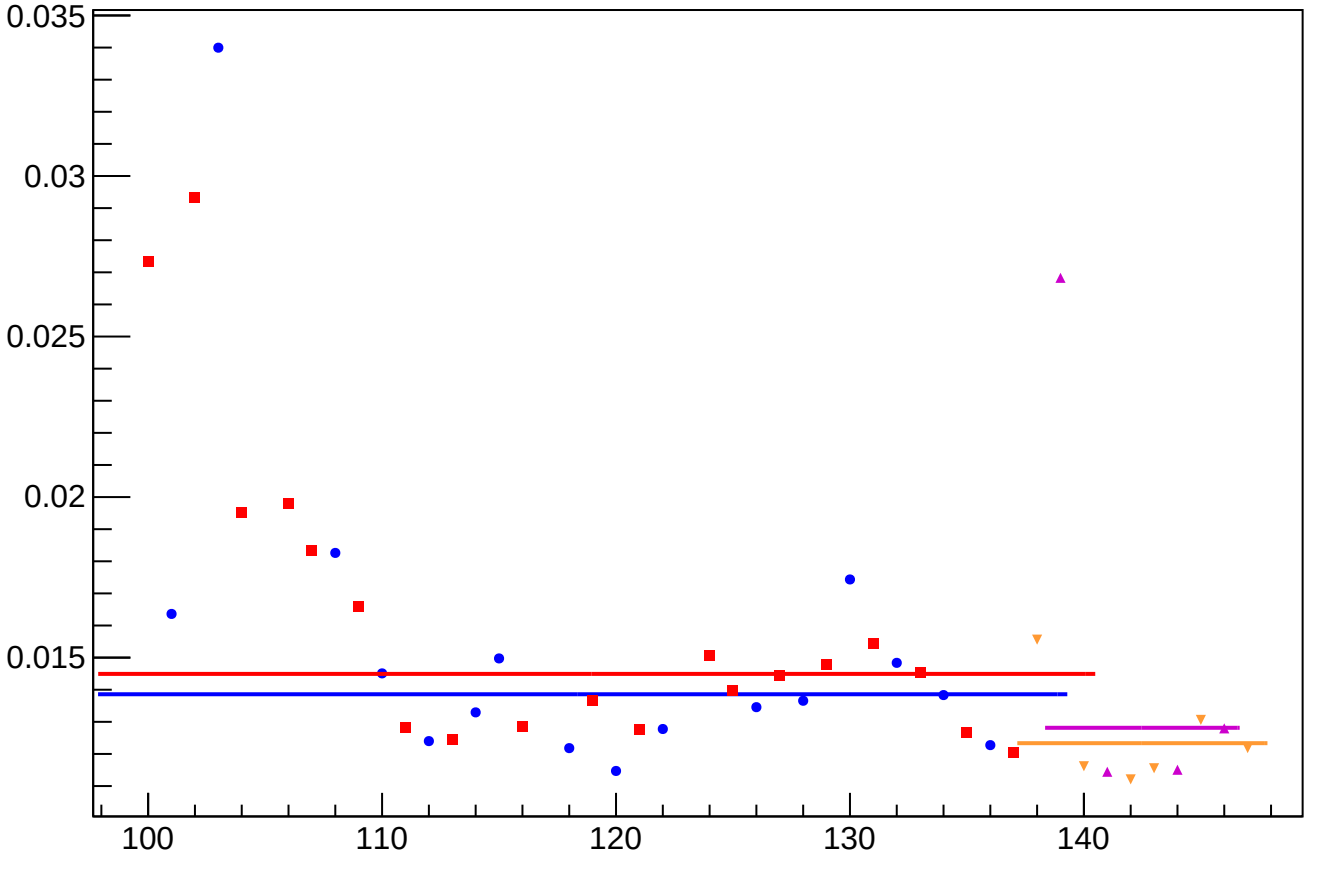
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.114+/-0.000 χ^2/NDF:3242978145.1/19

Out: 1.134+/-0.000 χ^2/NDF:4249691411.8/24

All: 1.124+/-0.000 χ^2/NDF: 7503764577.8/44

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:77284.8/5

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:483398.1/3

Left: 0.013+/-0.000 χ^2/NDF: 565379.1/9

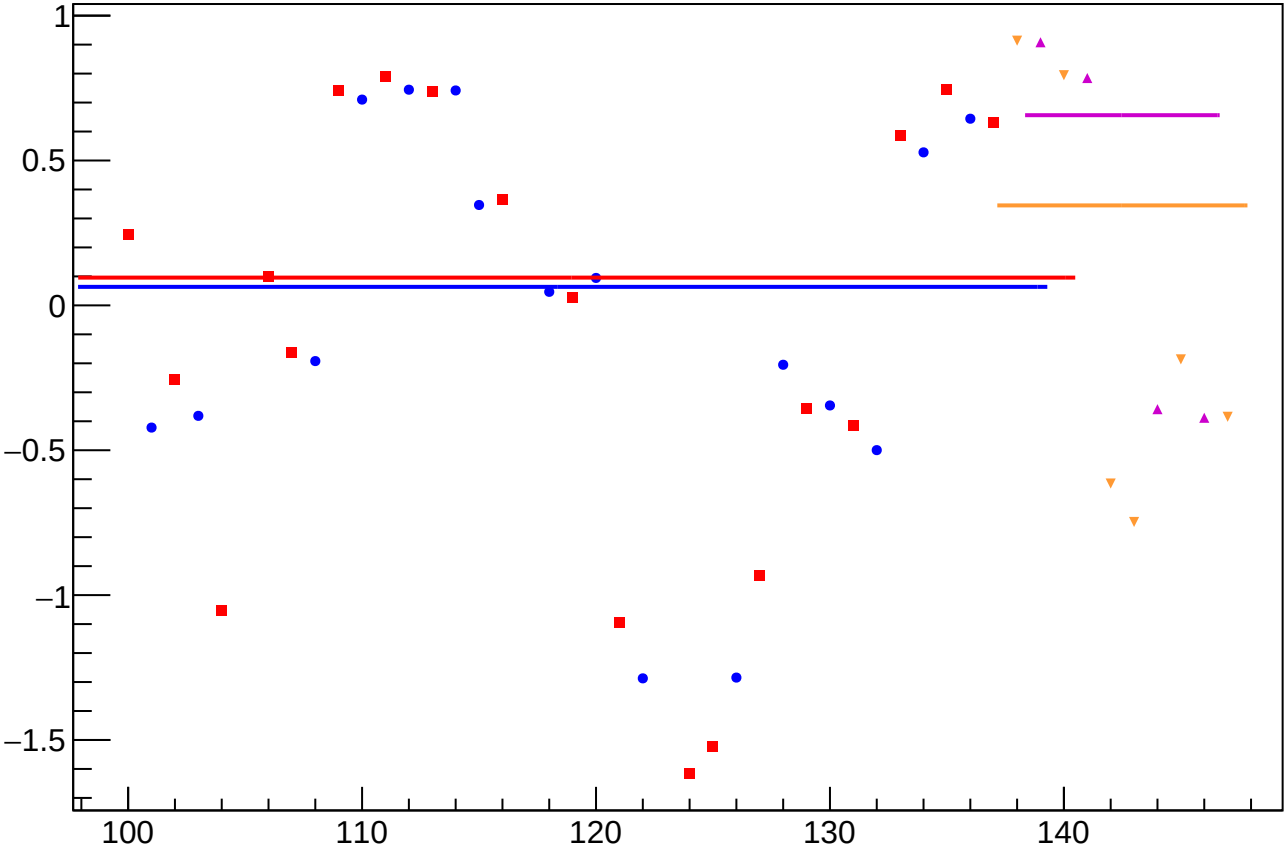
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.013+/-0.000 χ^2/NDF:1108321.9/19

Out: 0.014+/-0.000 χ^2/NDF:747629.6/24

All: 0.014+/-0.000 χ^2/NDF: 1856063.2/44

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.345+/-0.000 χ^2/NDF:17651851478.5/5

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.656+/-0.000 χ^2/NDF:9765453985.1/3

Left: 0.500+/-0.000 χ^2/NDF: 29386345899.9/9

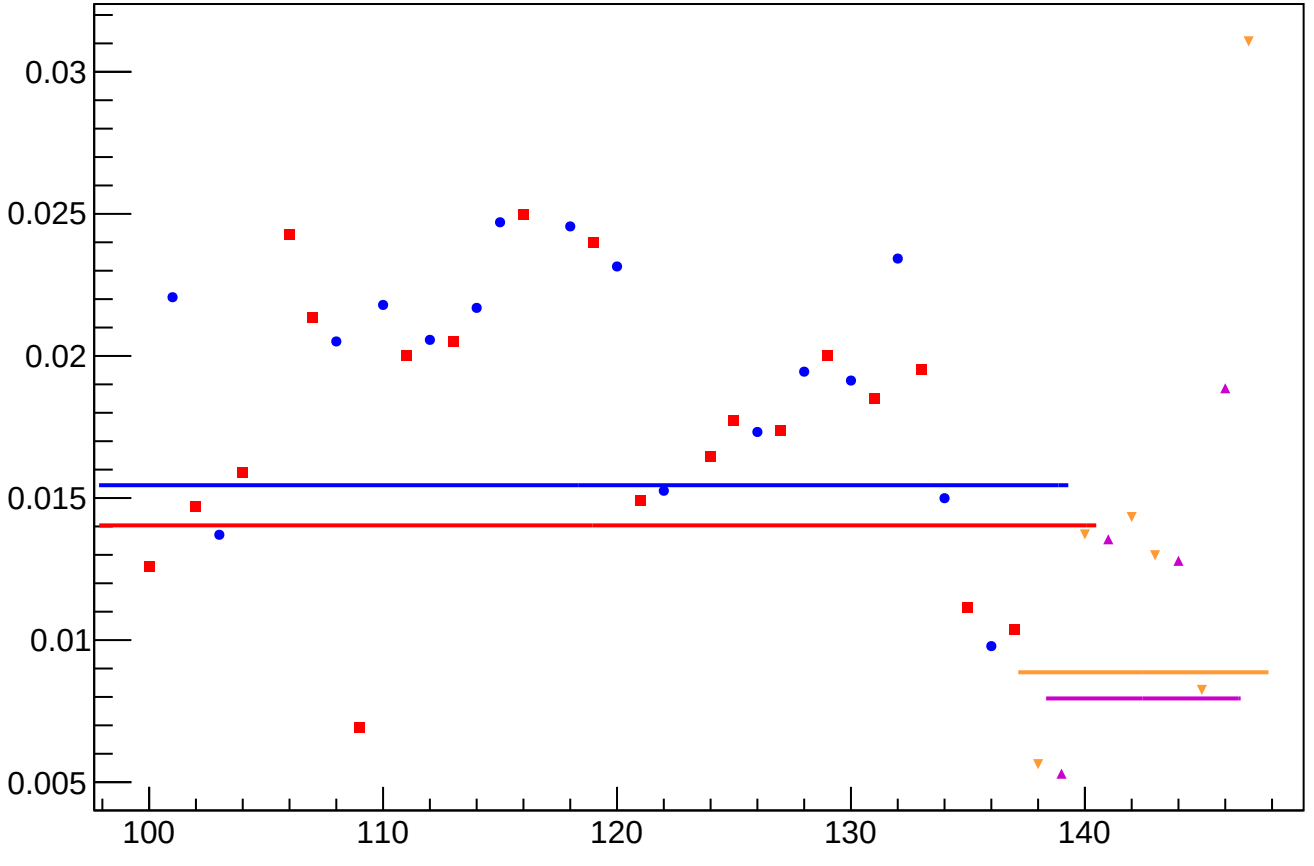
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.429+/-0.000 χ^2/NDF:26243171227.8/19

Out: 0.240+/-0.000 χ^2/NDF:36507420314.8/24

All: 0.331+/-0.000 χ^2/NDF: 63965293539.3/4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1703024.6/5

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.008+/-0.000 χ^2/NDF:1458716.3/3

Left: 0.008+/-0.000 χ^2/NDF: 3196195.3/9

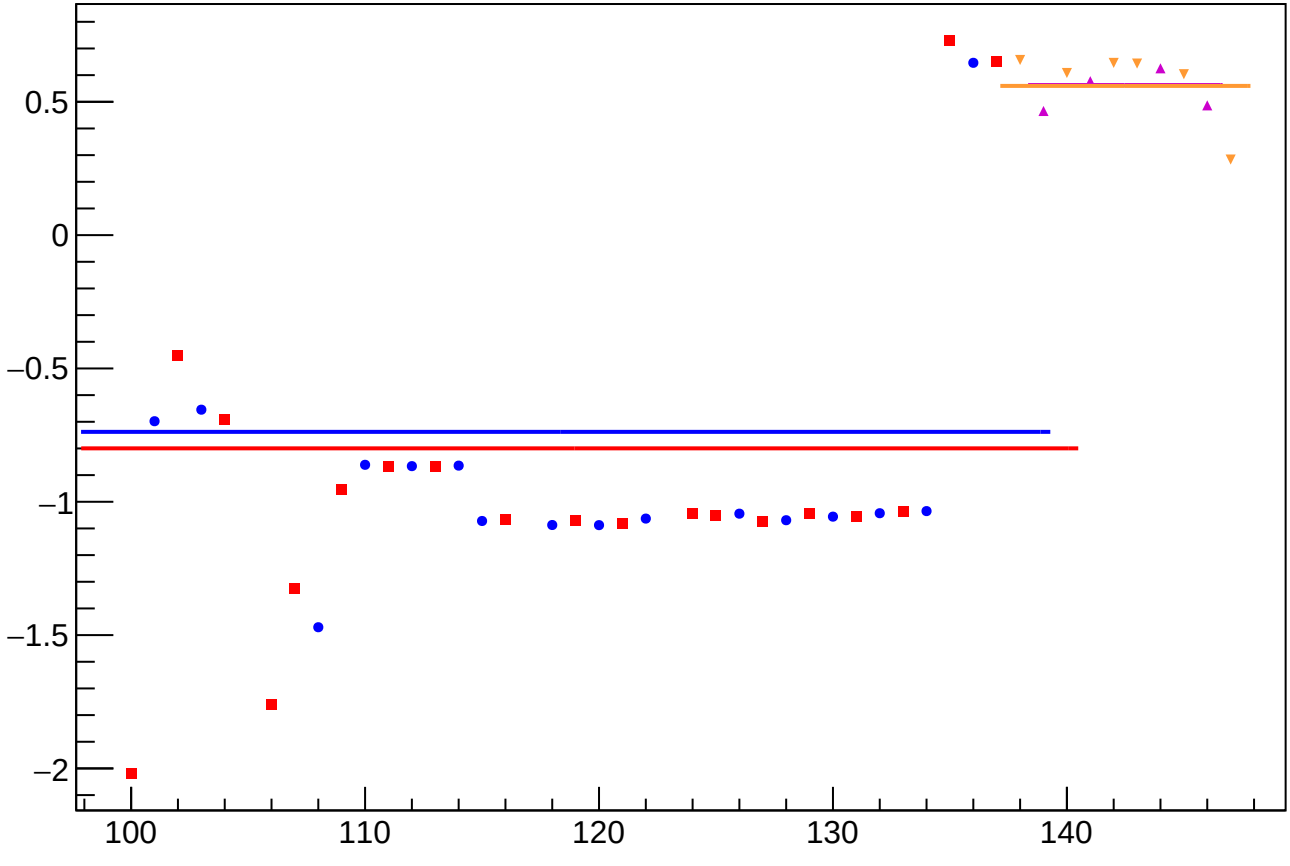
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.011+/-0.000 χ^2/NDF:4498163.8/19

Out: 0.011+/-0.000 χ^2/NDF:4311380.3/24

All: 0.011+/-0.000 χ^2/NDF: 8812858.1/44

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.560+/-0.000 χ^2/NDF:72013000.2/5

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.563+/-0.000 χ^2/NDF:9542490.4/3

Left: 0.561+/-0.000 χ^2/NDF: 81572540.2/9

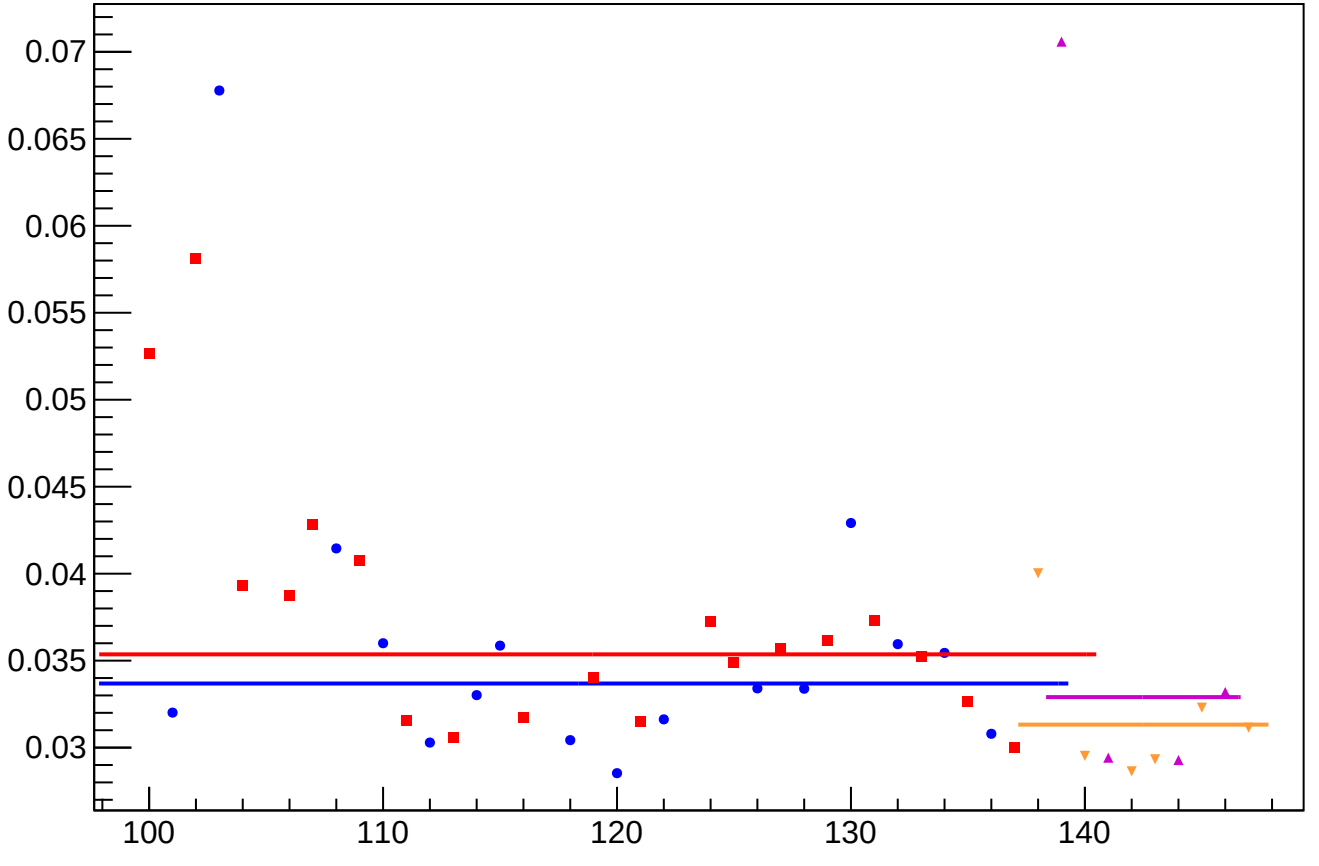
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.317+/-0.000 χ^2/NDF:5124558115.2/19

Out: -0.229+/-0.000 χ^2/NDF:5964952723.1/24

All: -0.271+/-0.000 χ^2/NDF: 11122151620.8/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:79065.0/5

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.033+/-0.000 χ^2/NDF:505431.8/3

Left: 0.032+/-0.000 χ^2/NDF: 592268.2/9

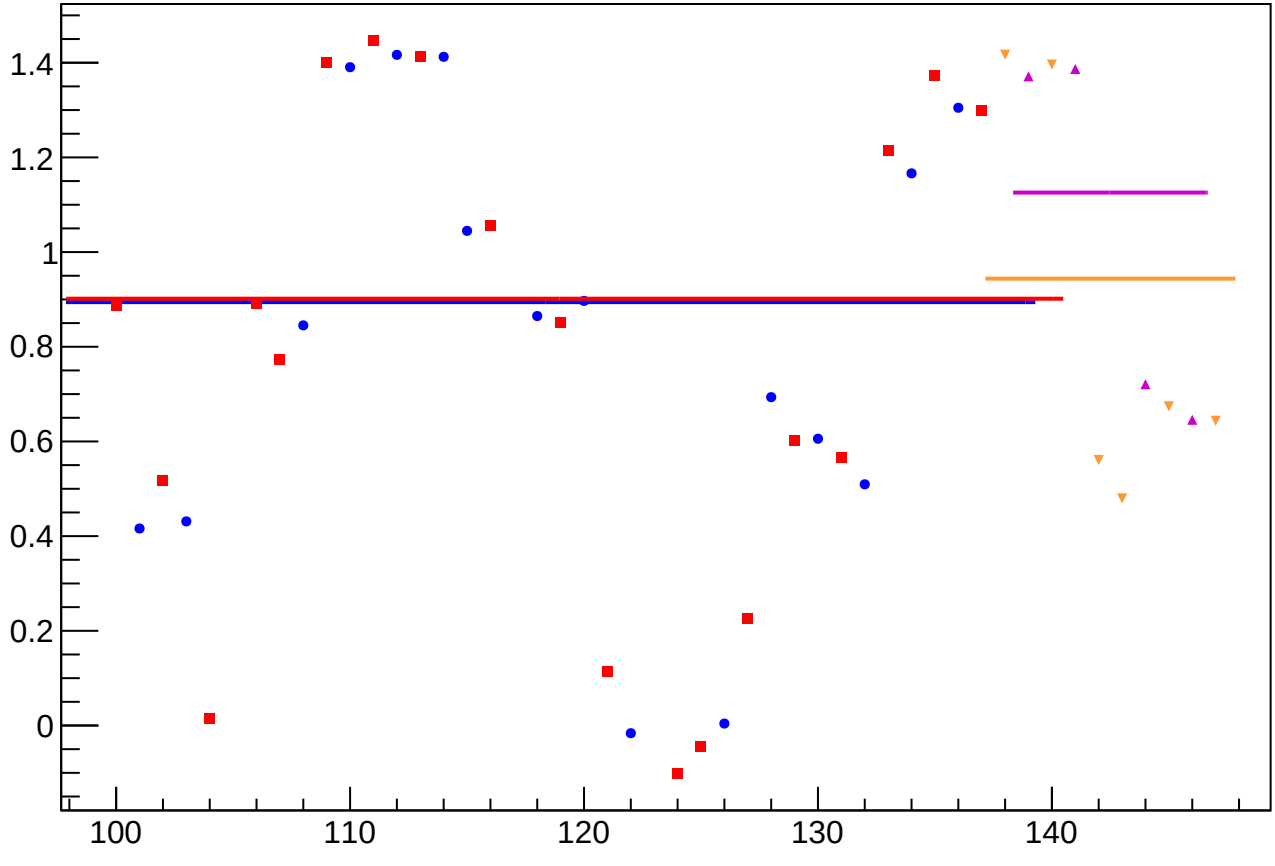
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:927856.2/19

Out: 0.034+/-0.000 χ^2/NDF:446250.6/24

All: 0.034+/-0.000 χ^2/NDF: 1374578.5/44

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.944+/-0.000 χ^2/NDF:9424028585.0/5

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.126+/-0.000 χ^2/NDF:4937902470.7/3

Left: 1.025+/-0.000 χ^2/NDF: 15197267303.1/9

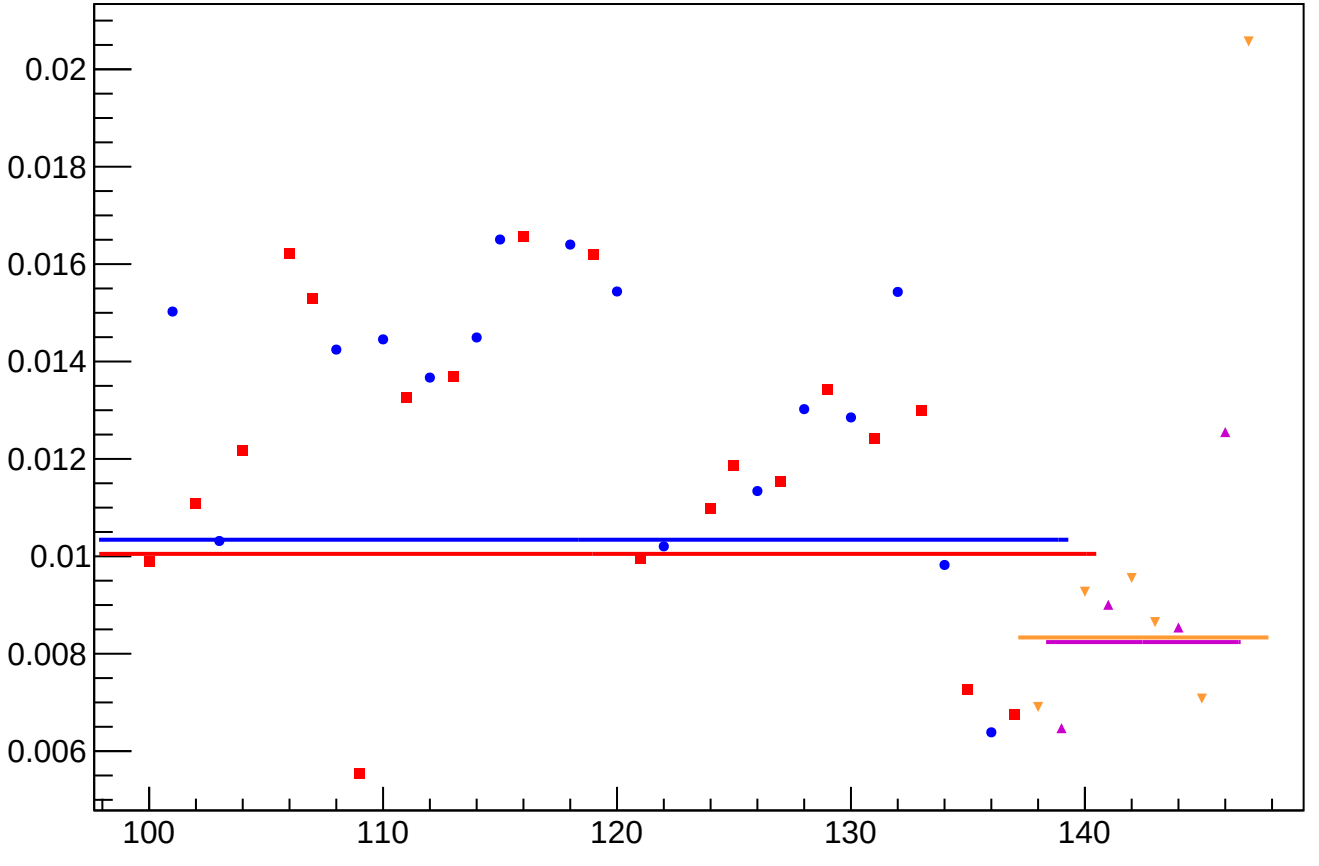
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 0.999+/-0.000 χ^2/NDF:19035056769.3/19

Out: 0.922+/-0.000 χ^2/NDF:27369471946.0/24

All: 0.958+/-0.000 χ^2/NDF: 46723750553.7/4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:708920.0/5

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.008+/-0.000 χ^2/NDF:319031.8/3

Left: 0.008+/-0.000 χ^2/NDF: 1028408.7/9

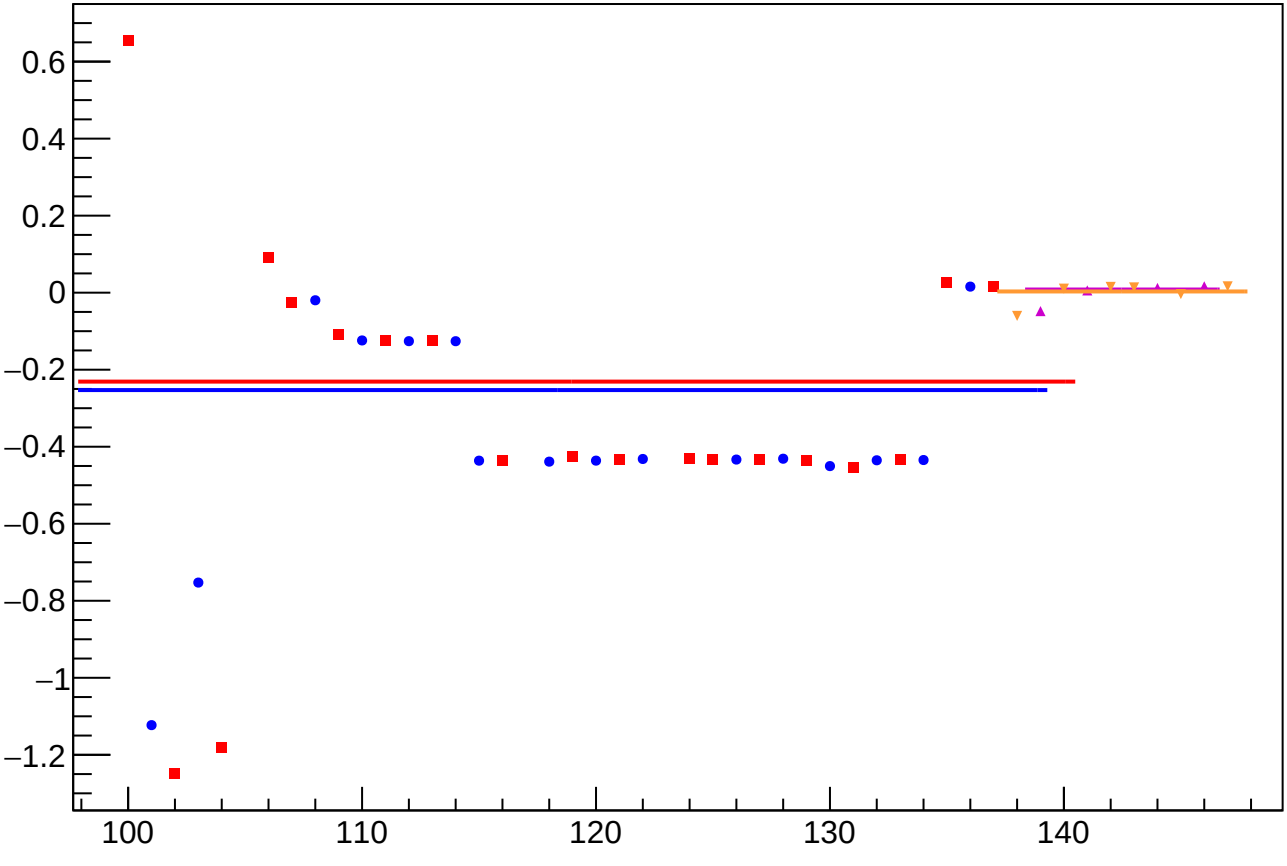
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:1891773.1/19

Out: 0.009+/-0.000 χ^2/NDF:2217332.1/24

All: 0.009+/-0.000 χ^2/NDF: 4112311.8/44

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:18204672.5/5

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.008+/-0.000 χ^2/NDF:4291215.4/3

Left: 0.005+/-0.000 χ^2/NDF: 22887288.1/9

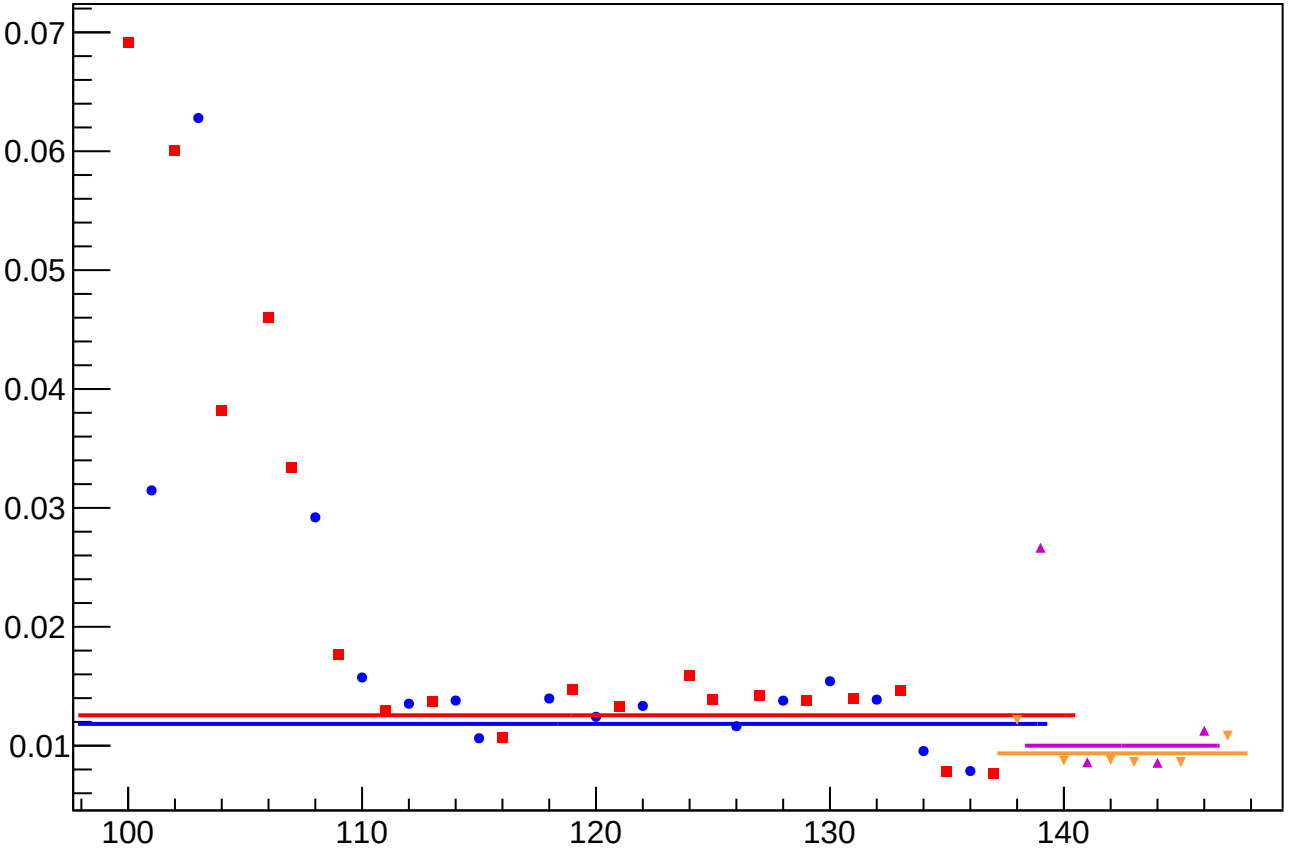
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.144+/-0.000 χ^2/NDF:3042084296.6/19

Out: -0.102+/-0.000 χ^2/NDF:2784901314.0/24

All: -0.121+/-0.000 χ^2/NDF: 5883894515.0/4

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:111492.2/5

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:742298.3/3

Left: 0.010+/-0.000 χ^2/NDF: 866733.8/9

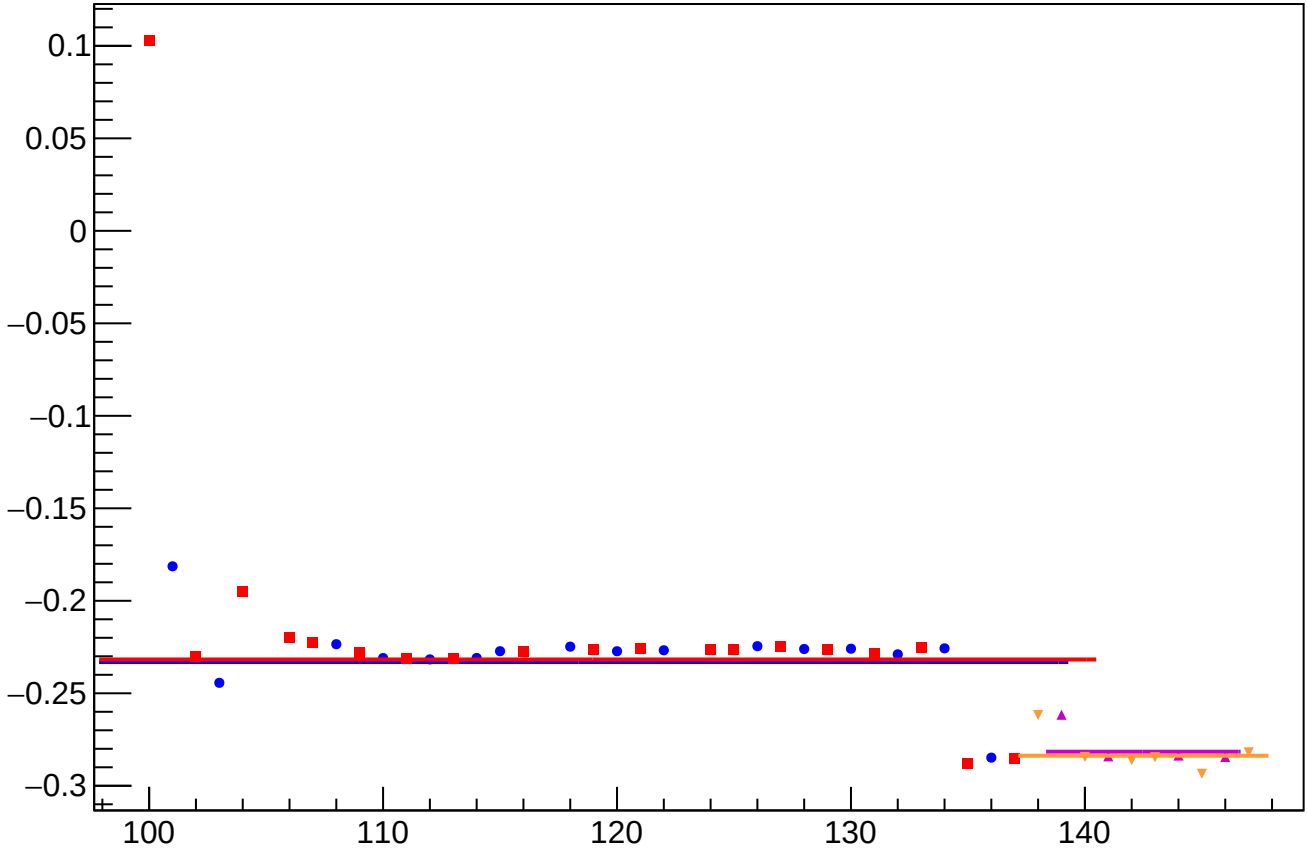
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2784600.6/19

Out: 0.011+/-0.000 χ^2/NDF:2688365.0/24

All: 0.011+/-0.000 χ^2/NDF: 5477862.6/44

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:14451958.6/5

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:5936870.1/3

Left: -0.283+/-0.000 χ^2/NDF: 20732006.1/9

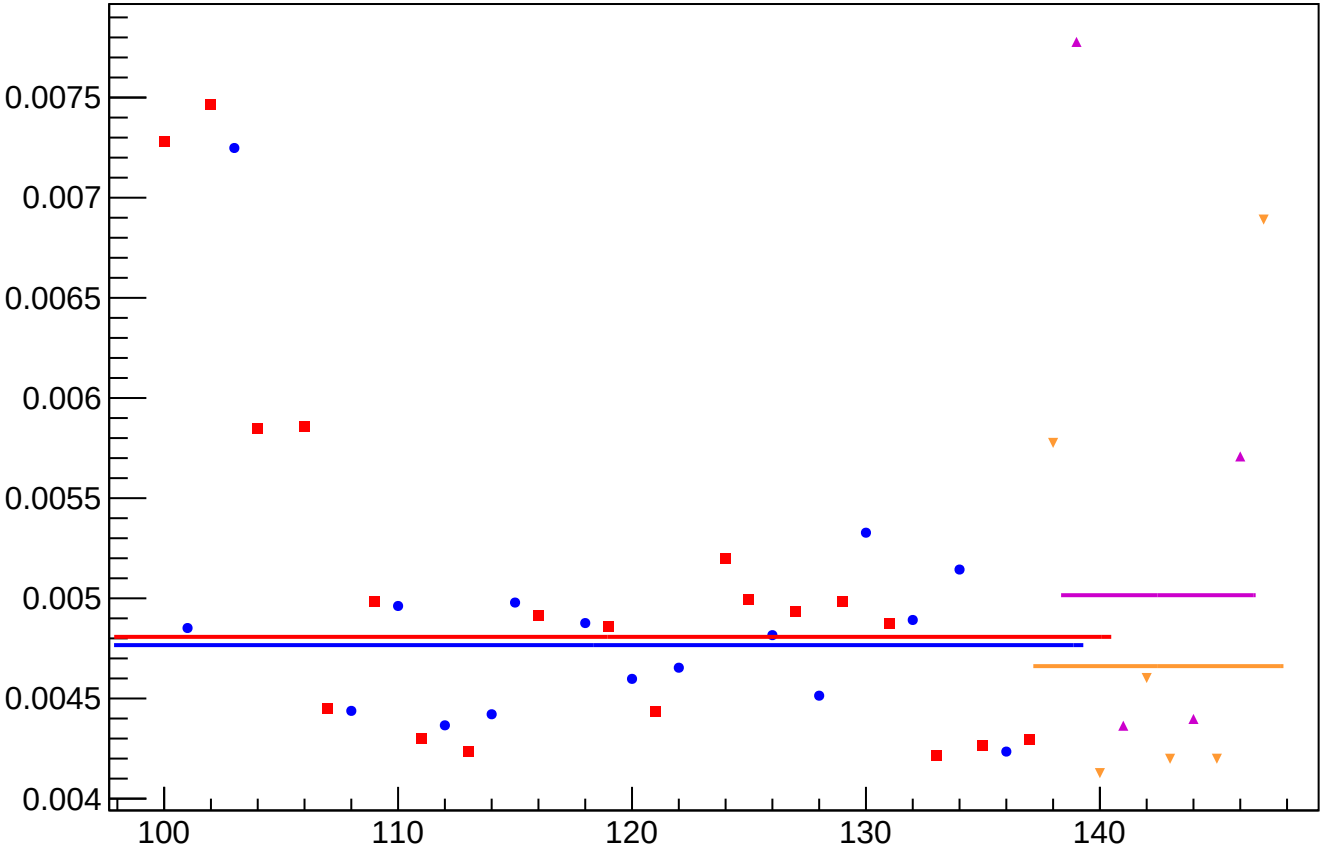
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.248+/-0.000 χ^2/NDF:406200517.5/19

Out: -0.252+/-0.000 χ^2/NDF:605686719.3/24

All: -0.250+/-0.000 χ^2/NDF: 1015575948.2/4

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:283549.7/5

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:294000.8/3

Left: 0.005+/-0.000 χ^2/NDF: 595980.0/9

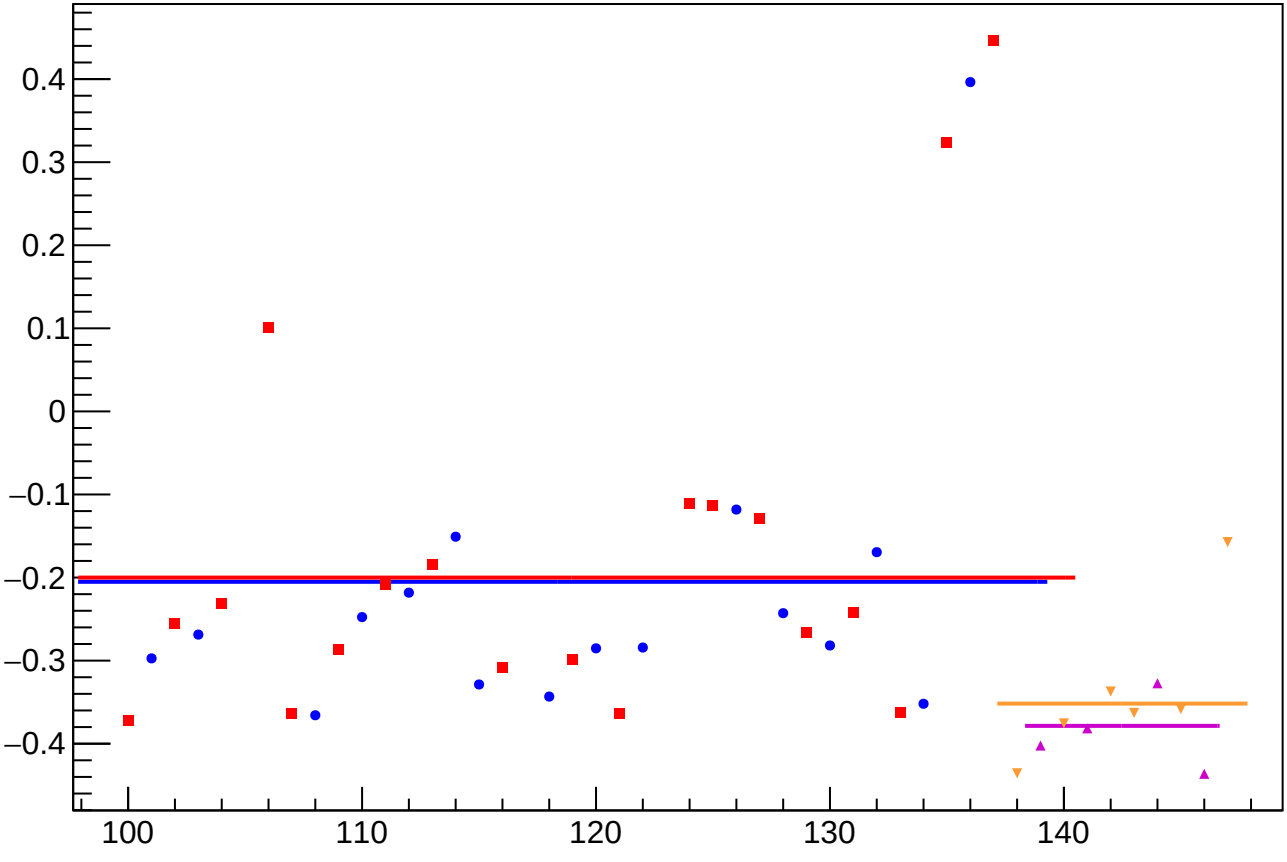
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:496396.6/19

Out: 0.005+/-0.000 χ^2/NDF:582085.2/24

All: 0.005+/-0.000 χ^2/NDF: 1082071.2/44

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.352+/-0.000 χ^2/NDF:919229074.2/5

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.379+/-0.000 χ^2/NDF:158086680.0/3

Left: -0.363+/-0.000 χ^2/NDF: 1123837826.2/9

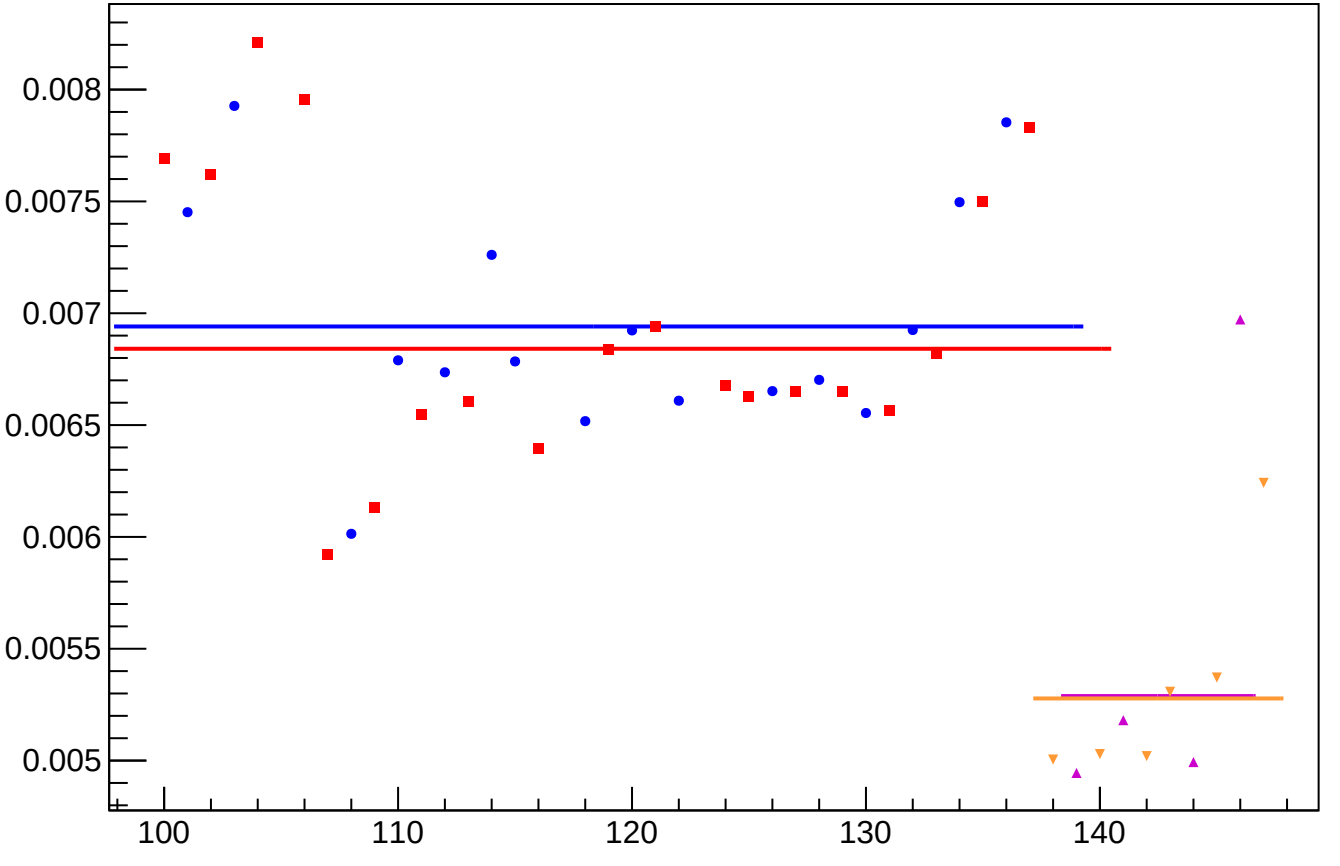
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.281+/-0.000 χ^2/NDF:8275523534.1/19

Out: -0.275+/-0.000 χ^2/NDF:7912861242.9/24

All: -0.278+/-0.000 χ^2/NDF: 16194539283.8/

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:44694.2/5

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.005+/-0.000 χ^2/NDF:98872.6/3

Left: 0.005+/-0.000 χ^2/NDF: 143581.7/9

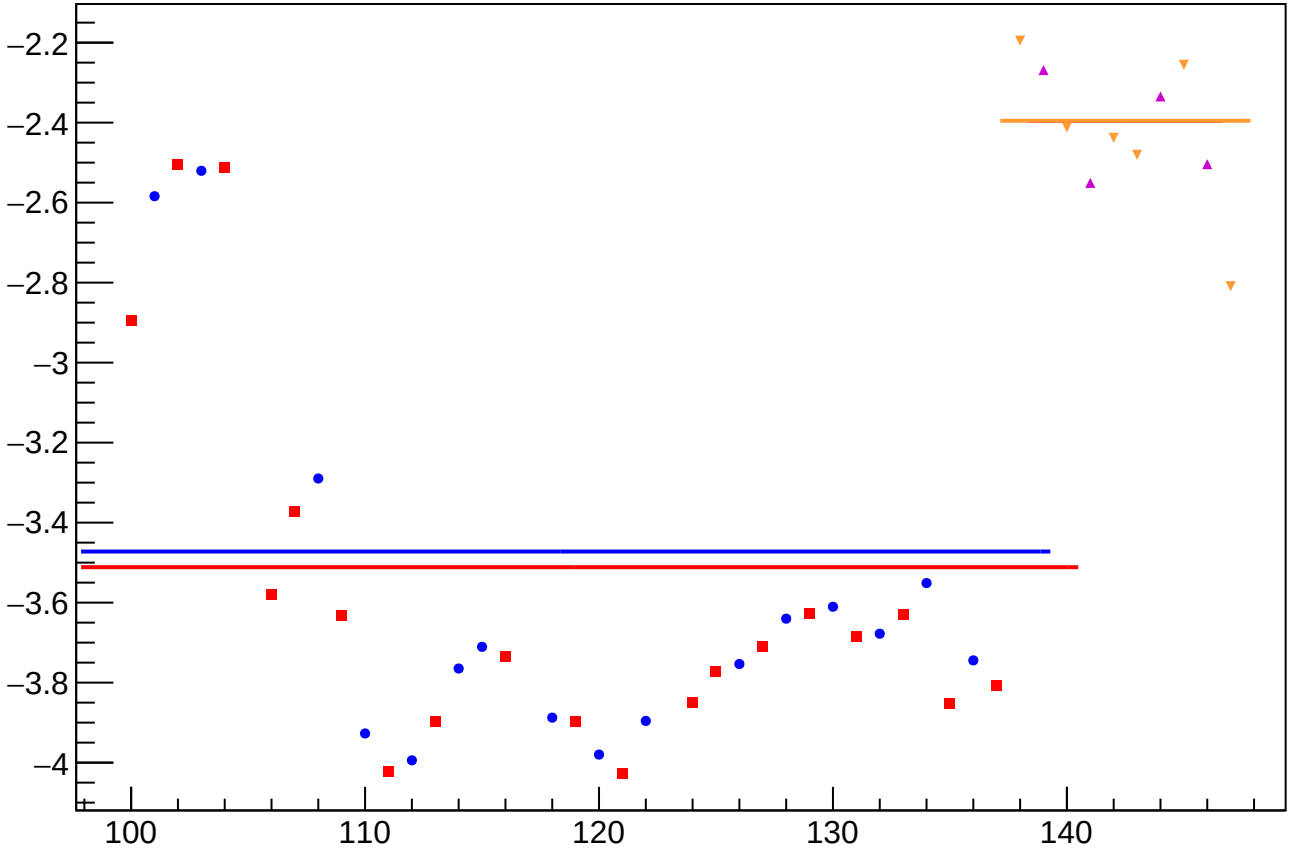
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:534113.1/19

Out: 0.006+/-0.000 χ^2/NDF:515052.9/24

All: 0.006+/-0.000 χ^2/NDF: 1054889.0/44

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.395+/-0.000 χ^2/NDF:1185031782.1/5

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.396+/-0.000 χ^2/NDF:390892837.4/3

Left: -2.396+/-0.000 χ^2/NDF: 1575930578.0/9

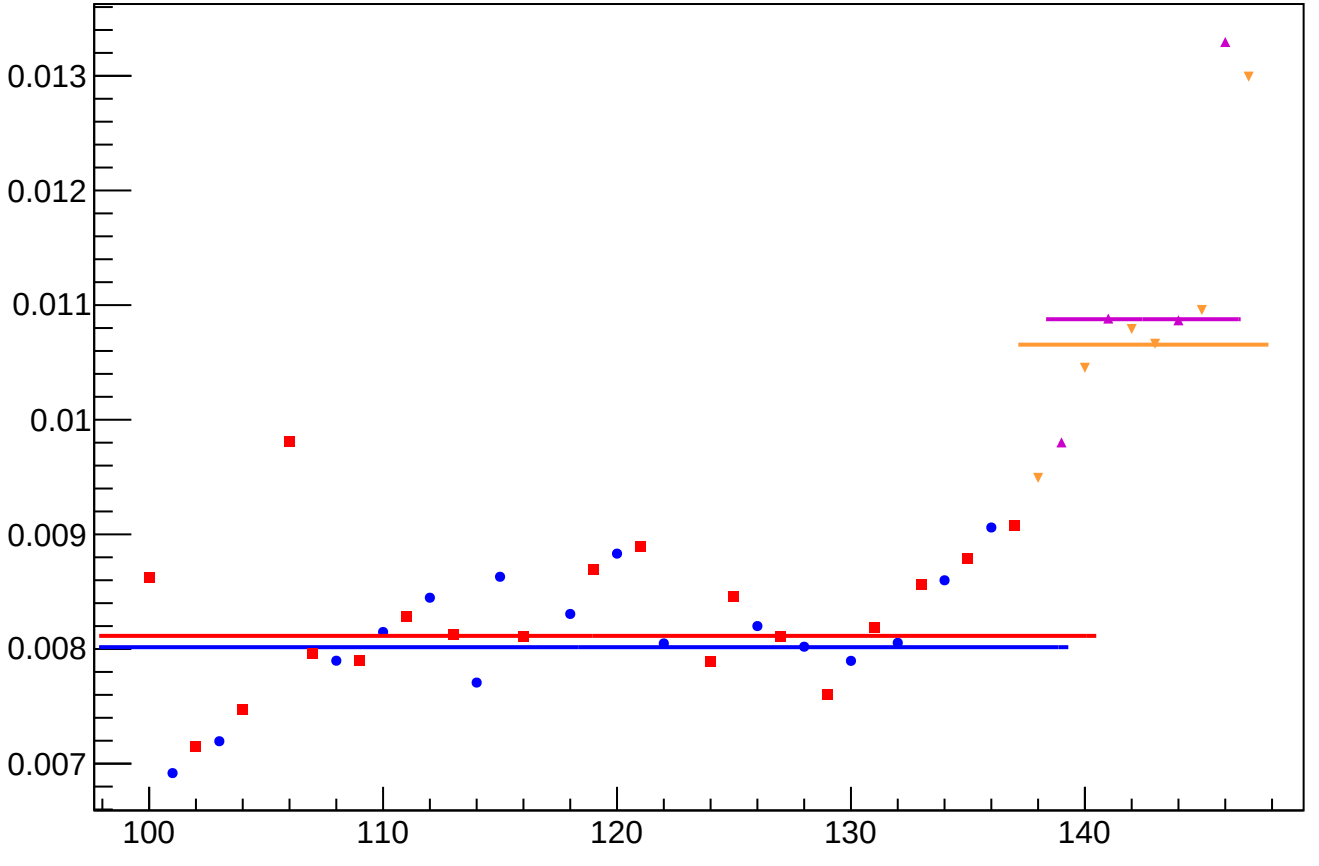
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.256+/-0.000 χ^2/NDF:55266930278.2/19

Out: -3.229+/-0.000 χ^2/NDF:64932489110.8/24

All: -3.242+/-0.000 χ^2/NDF: 120250474580.8

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:67723.4/5

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.011+/-0.000 χ^2/NDF:65579.1/3

Left: 0.011+/-0.000 χ^2/NDF: 134842.2/9

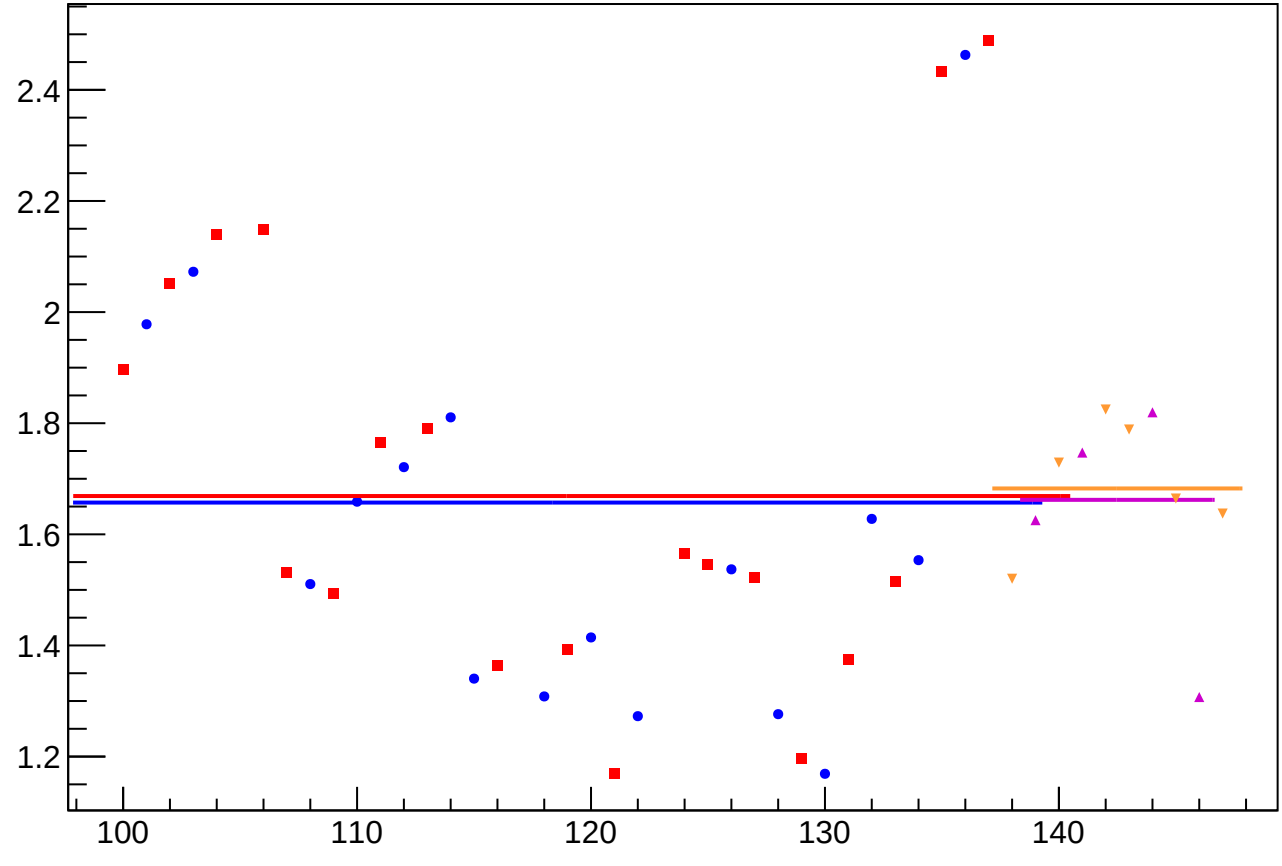
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.009+/-0.000 χ^2/NDF:509086.4/19

Out: 0.009+/-0.000 χ^2/NDF:491402.3/24

All: 0.009+/-0.000 χ^2/NDF: 1004383.4/44

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.683+/-0.000 χ^2/NDF:319631322.0/5

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.662+/-0.000 χ^2/NDF:701040727.8/3

Left: 1.674+/-0.000 χ^2/NDF: 1026476842.1/9

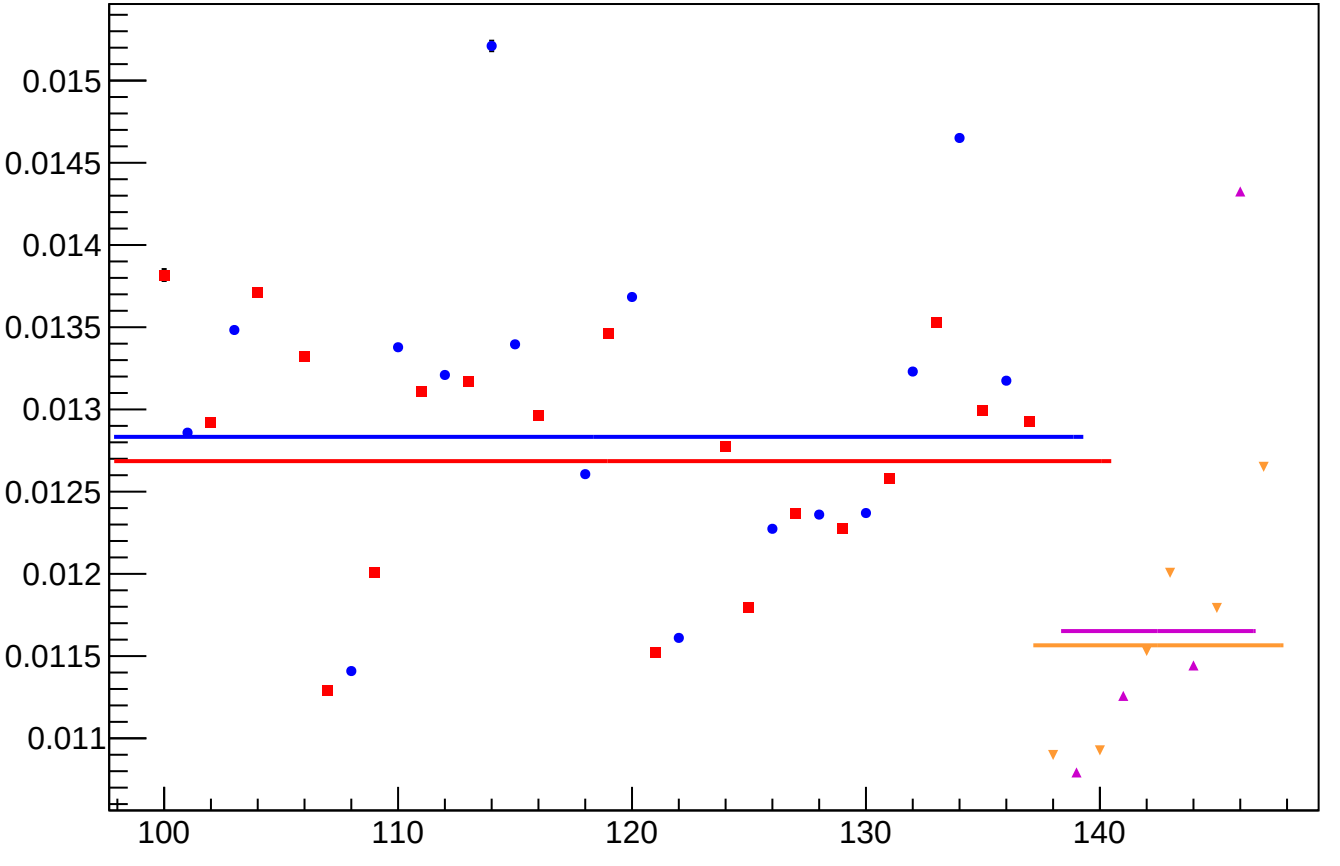
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.659+/-0.000 χ^2/NDF:7367566312.2/19

Out: 1.675+/-0.000 χ^2/NDF:6680697603.5/24

All: 1.667+/-0.000 χ^2/NDF: 14057033630.5/4

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:25045.0/5

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:67643.1/3

Left: 0.012+/-0.000 χ^2/NDF: 92895.2/9

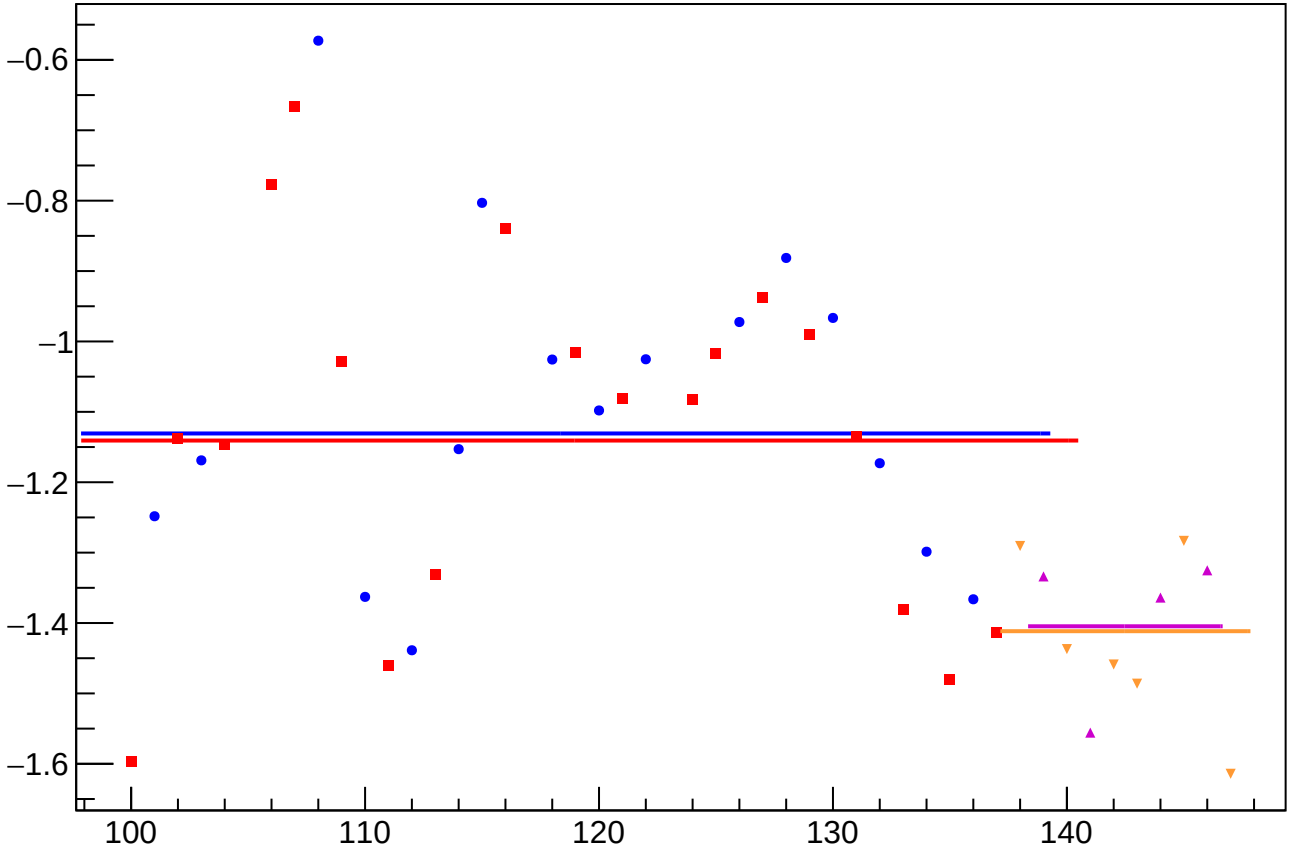
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:163325.1/19

Out: 0.012+/-0.000 χ^2/NDF:115159.4/24

All: 0.012+/-0.000 χ^2/NDF: 280934.9/44

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.412+/-0.000 χ^2/NDF:638057650.9/5

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.405+/-0.000 χ^2/NDF:373636086.0/3

Left: -1.409+/-0.000 χ^2/NDF: 1012798972.9/9

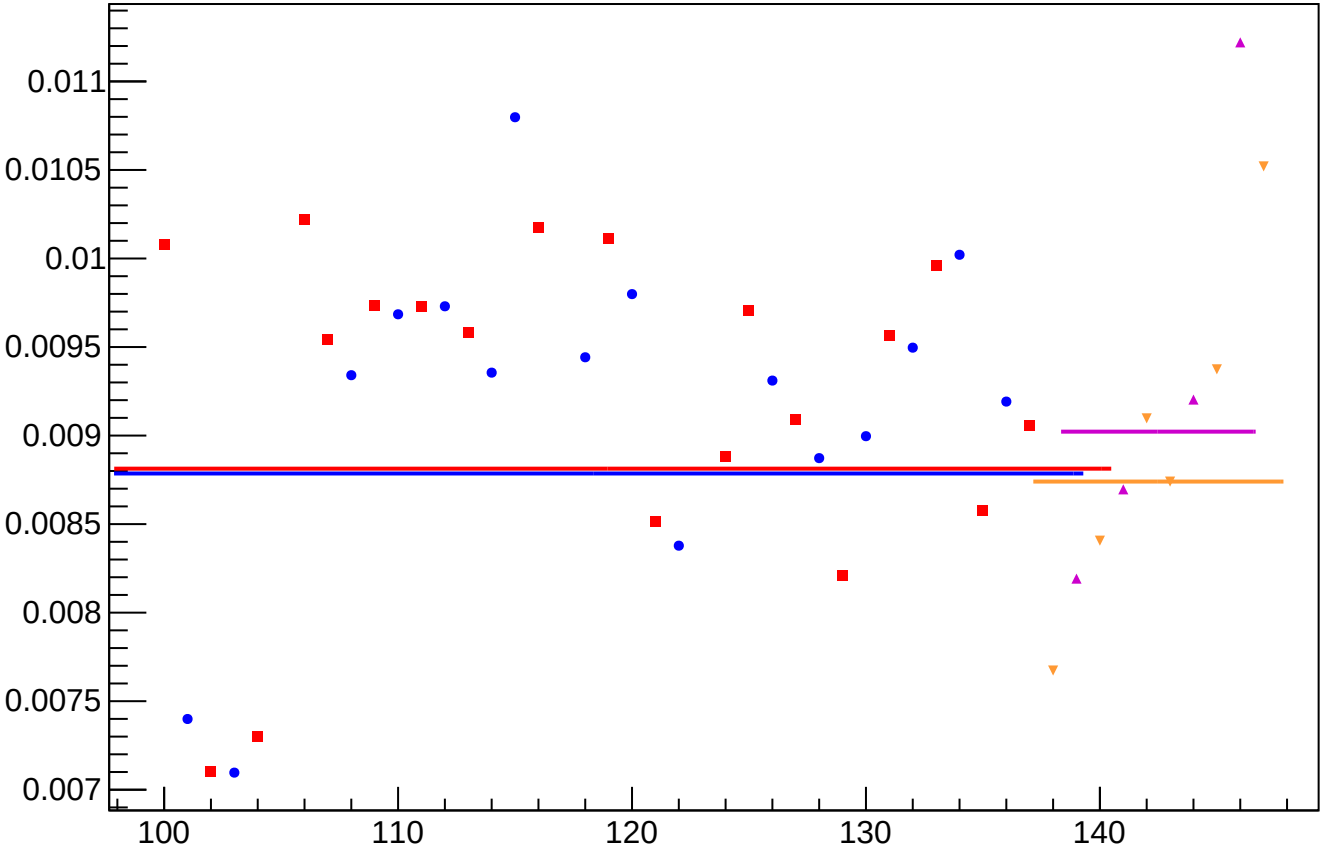
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.215+/-0.000 χ^2/NDF:6207796995.2/19

Out: -1.243+/-0.000 χ^2/NDF:6643899360.3/24

All: -1.229+/-0.000 χ^2/NDF: 12903441354.9/

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:77218.8/5

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:73298.0/3

Left: 0.009+/-0.000 χ^2/NDF: 154124.7/9

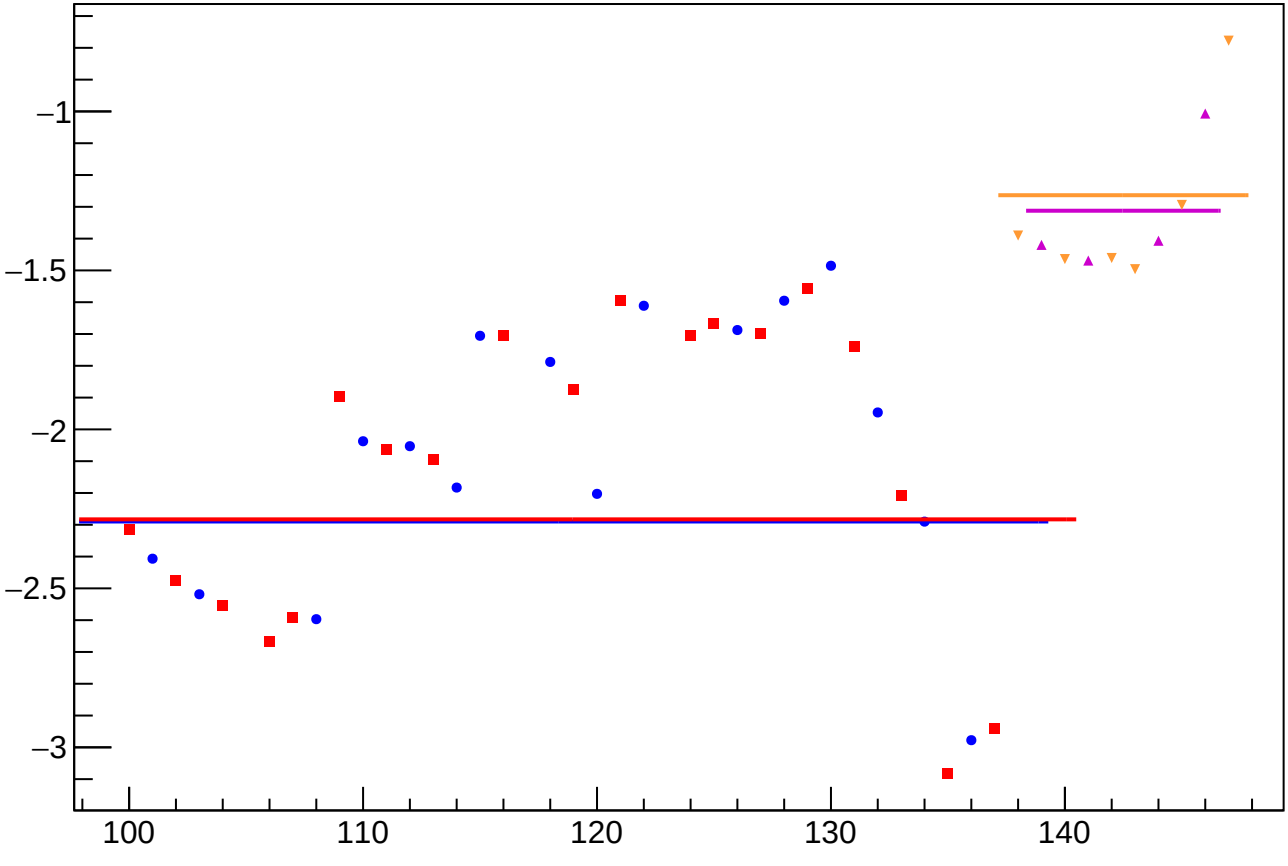
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:249816.7/19

Out: 0.009+/-0.000 χ^2/NDF:282018.4/24

All: 0.009+/-0.000 χ^2/NDF: 532548.7/44

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.264+/-0.000 χ^2/NDF:4216441781.2/5

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -1.312+/-0.000 χ^2/NDF:1501269055.7/3

Left: -1.285+/-0.000 χ^2/NDF: 5772193471.3/9

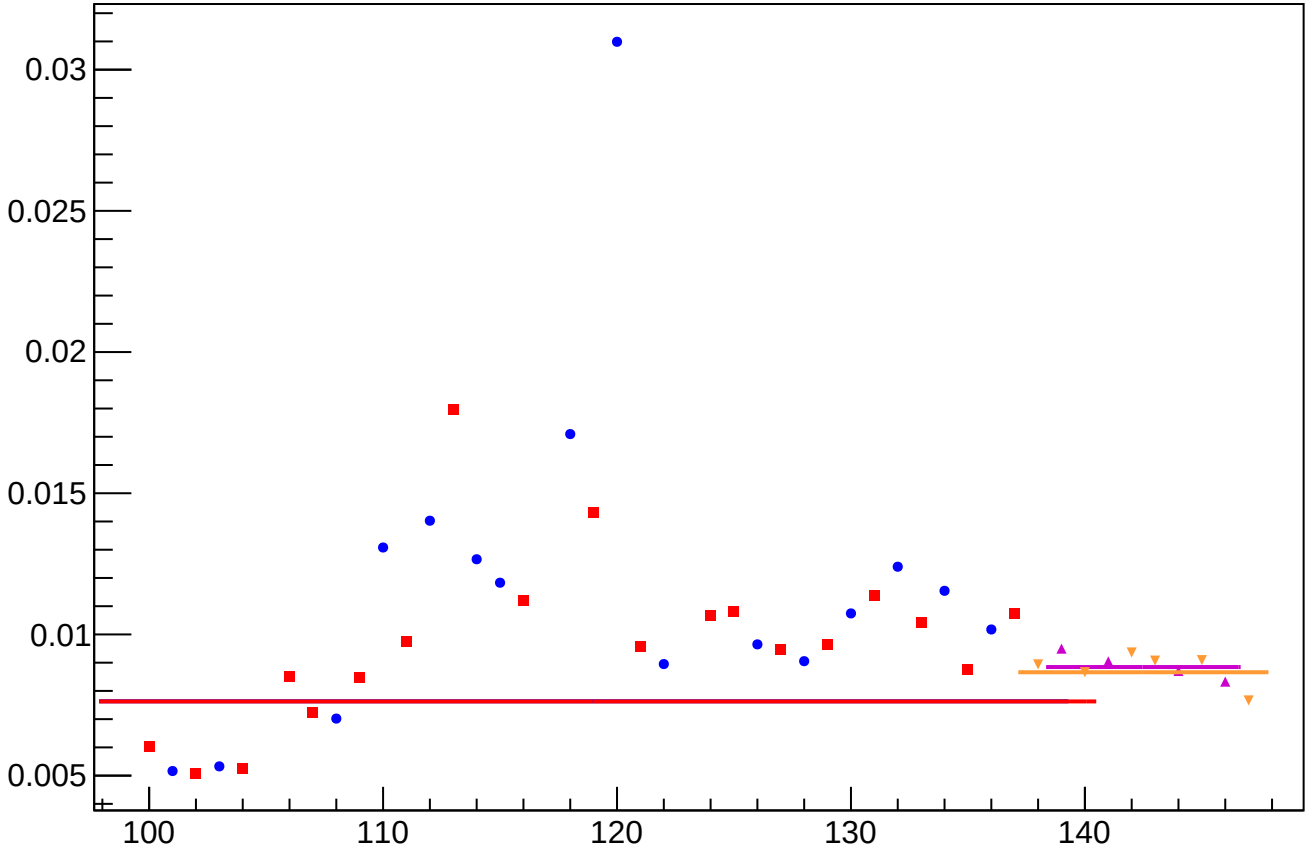
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.980+/-0.000 χ^2/NDF:43115748457.7/19

Out: -1.920+/-0.000 χ^2/NDF:56539866018.7/24

All: -1.948+/-0.000 χ^2/NDF: 99907168398.1/

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:37386.6/5

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:14273.7/3

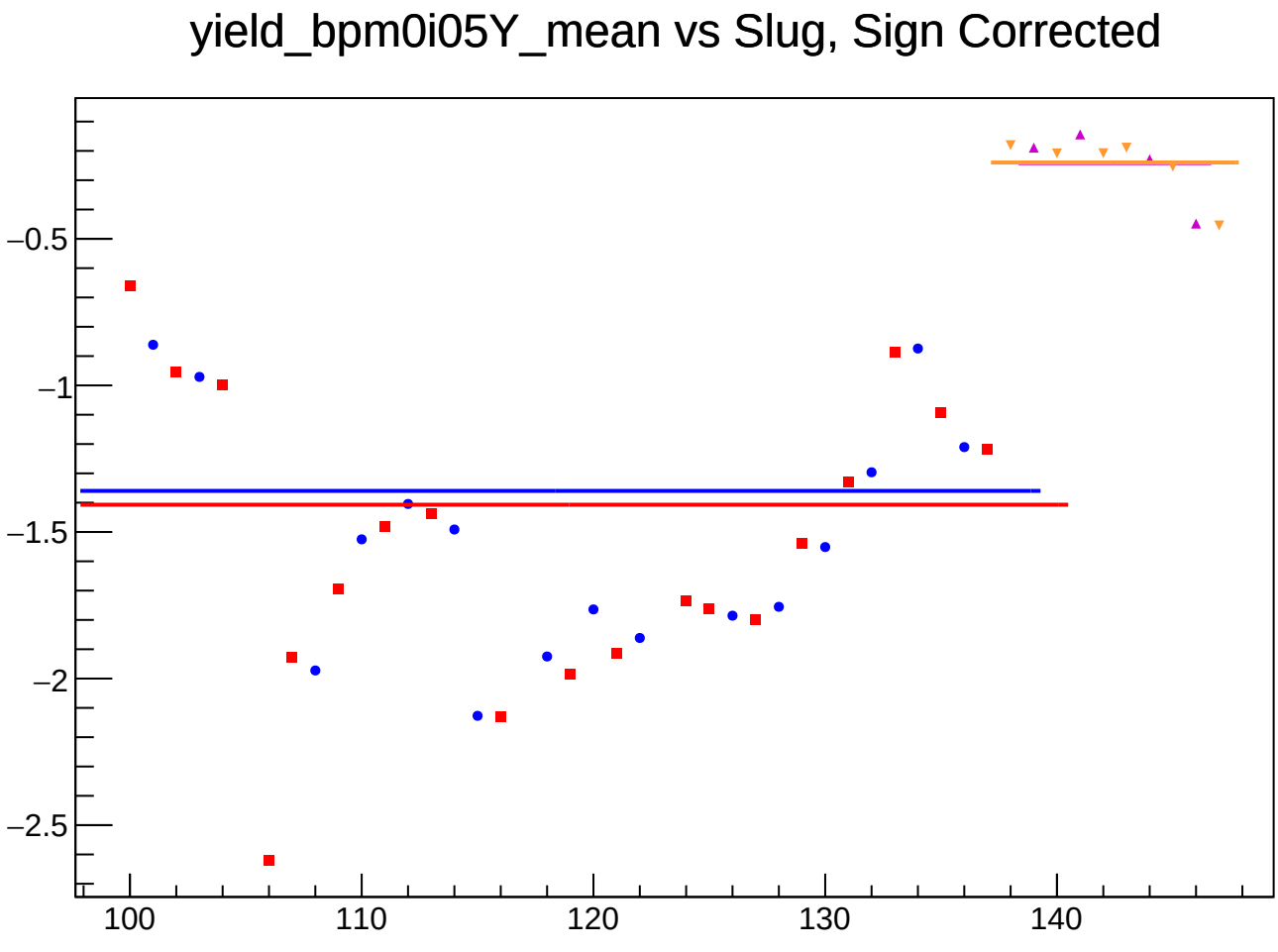
Left: 0.009+/-0.000 χ^2/NDF: 53225.7/9

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1806345.6/19

Out: 0.008+/-0.000 χ^2/NDF:1427616.0/24

All: 0.008+/-0.000 χ^2/NDF: 3234022.4/44



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.240+/-0.000 χ^2/NDF:1552102129.4/5

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.242+/-0.000 χ^2/NDF:1824771054.8/3

Left: -0.241+/-0.000 χ^2/NDF: 3377287699.0/9

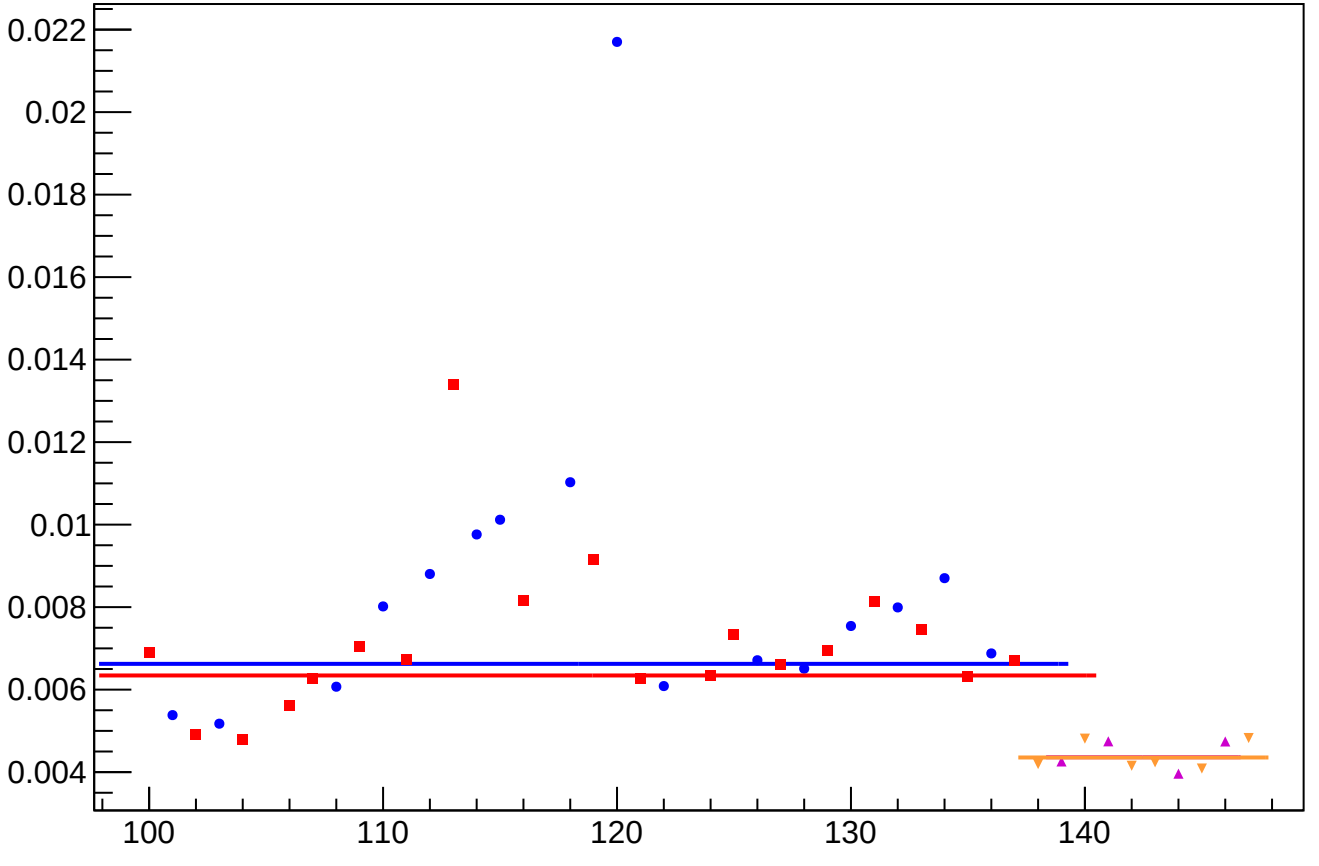
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.738+/-0.000 χ^2/NDF:115032582120.8/19

Out: -0.730+/-0.000 χ^2/NDF:151593067674.8/24

All: -0.734+/-0.000 χ^2/NDF: 266636257890.3

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:37116.5/5

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:37905.5/3

Left: 0.004+/-0.000 χ^2/NDF: 75029.6/9

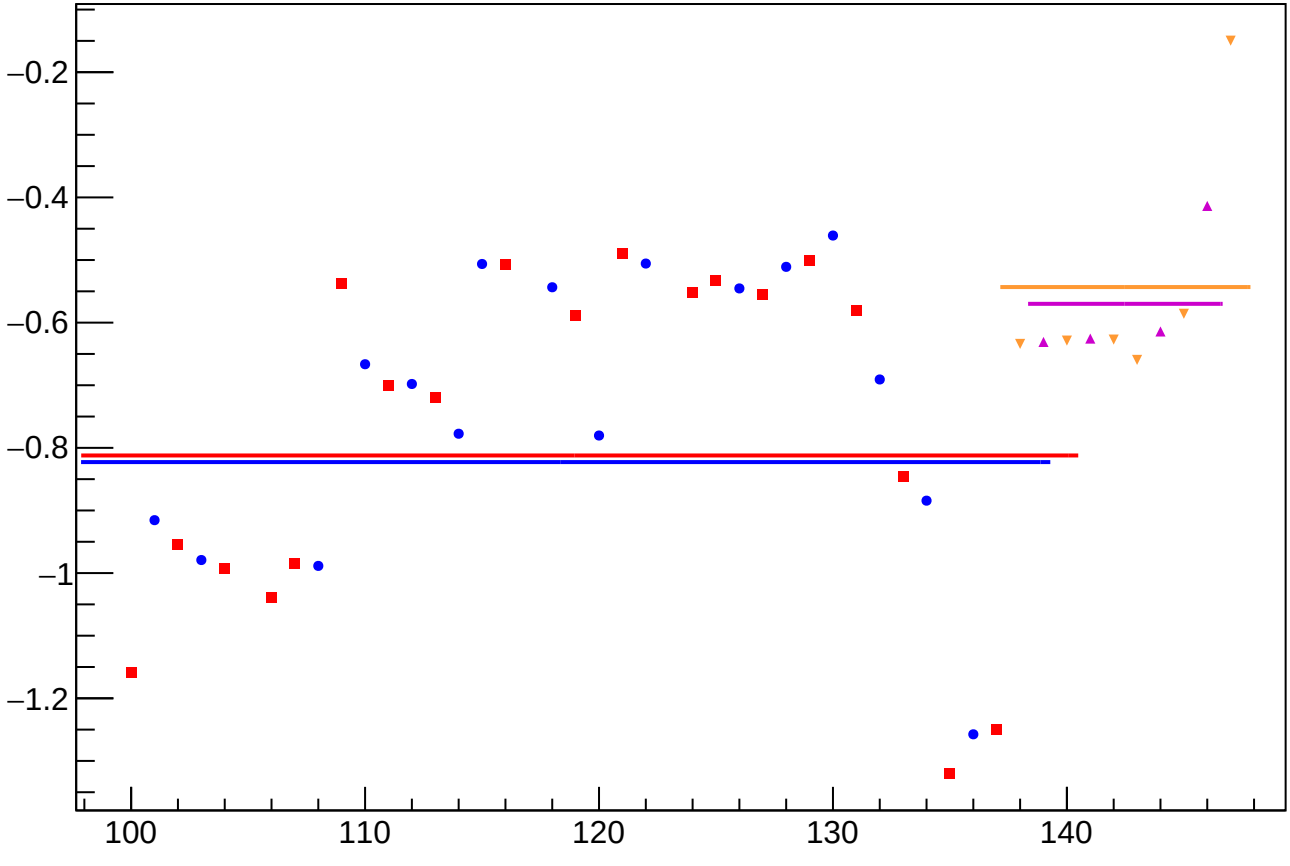
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1483308.1/19

Out: 0.005+/-0.000 χ^2/NDF:1263706.6/24

All: 0.005+/-0.000 χ^2/NDF: 2757109.5/44

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.543+/-0.000 χ^2/NDF:3479569497.2/5

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.570+/-0.000 χ^2/NDF:672064725.4/3

Left: -0.555+/-0.000 χ^2/NDF: 4184144858.0/9

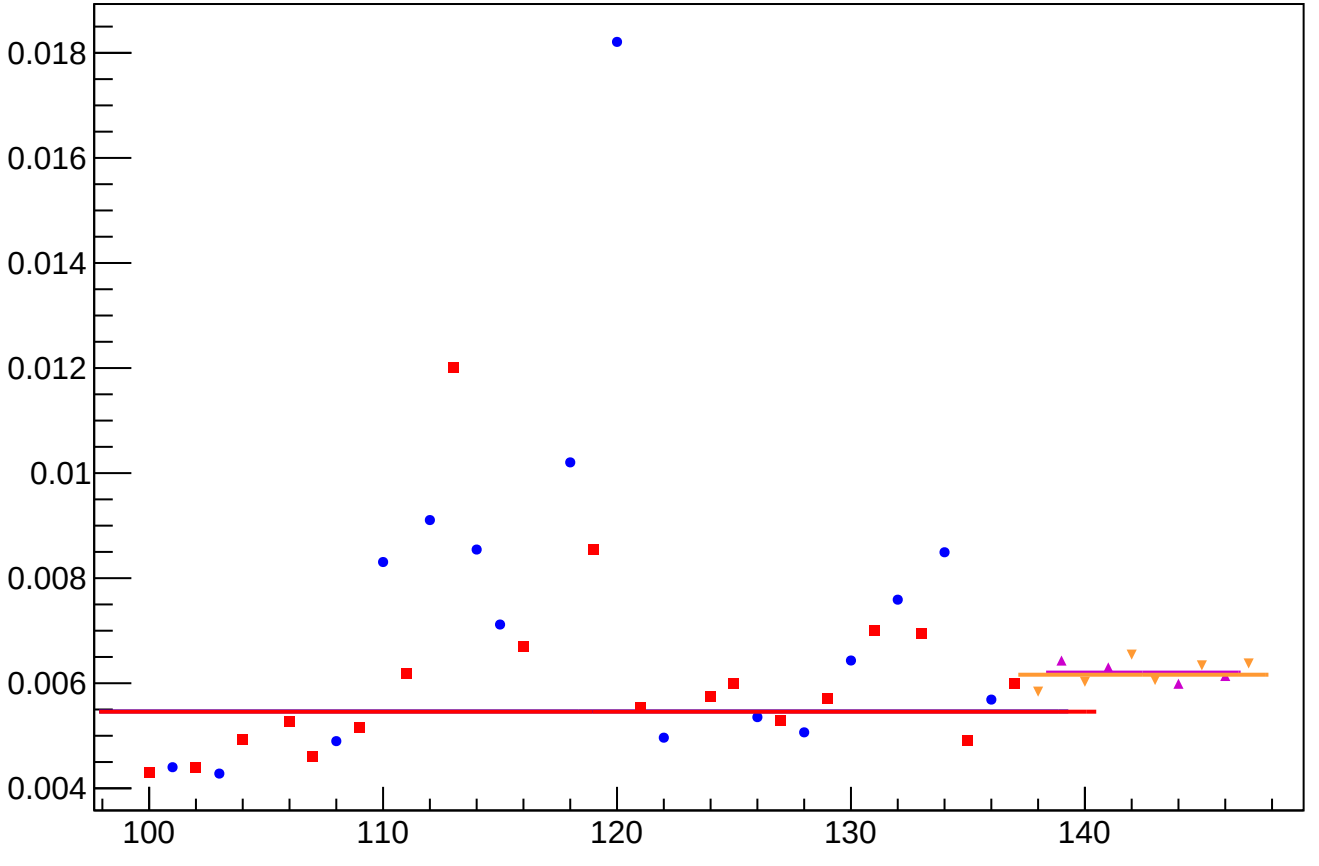
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.746+/-0.000 χ^2/NDF:16495032925.0/19

Out: -0.721+/-0.000 χ^2/NDF:23233469810.5/24

All: -0.733+/-0.000 χ^2/NDF: 39812784371.9/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:10422.0/5

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:4446.7/3

Left: 0.006+/-0.000 χ^2/NDF: 15015.0/9

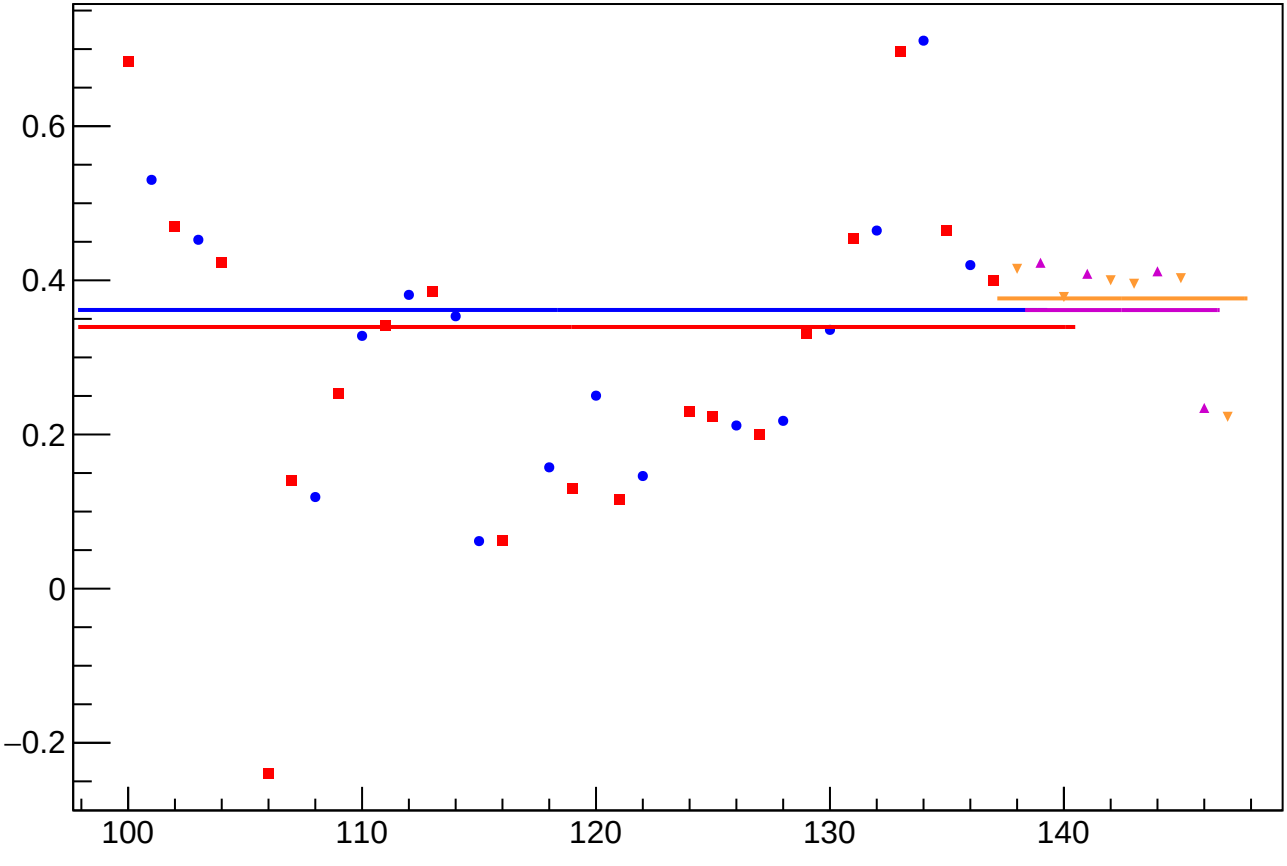
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.006+/-0.000 χ^2/NDF:1027444.3/19

Out: 0.006+/-0.000 χ^2/NDF:585730.3/24

All: 0.006+/-0.000 χ^2/NDF: 1613190.5/44

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.377+/-0.000 χ^2/NDF:787830769.5/5

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.361+/-0.000 χ^2/NDF:1187996519.3/3

Left: 0.370+/-0.000 χ^2/NDF: 1997867657.7/9

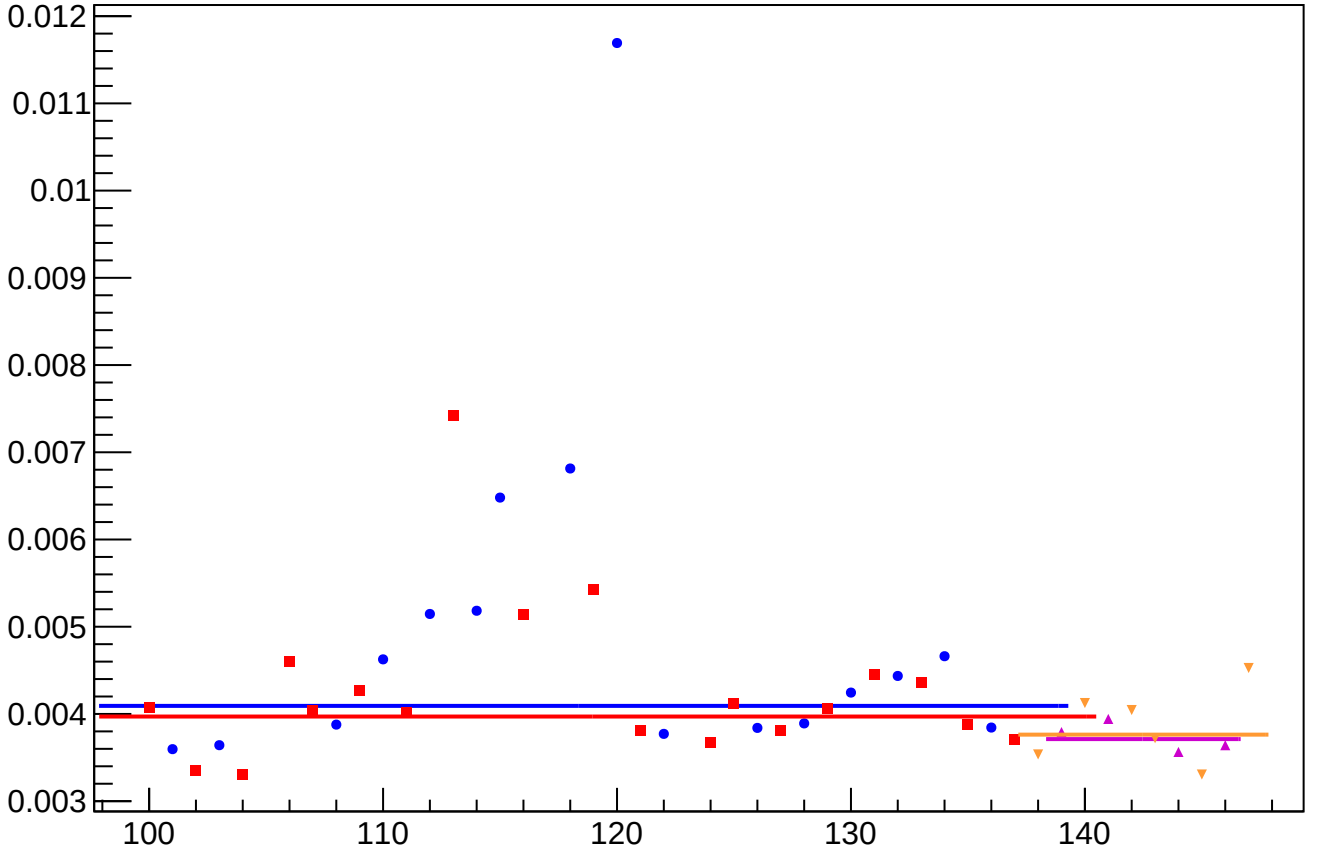
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.362+/-0.000 χ^2/NDF:9963950486.0/19

Out: 0.352+/-0.000 χ^2/NDF:13051863525.3/24

All: 0.357+/-0.000 χ^2/NDF: 23040777842.7/4

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:72070.4/5

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:7029.3/3

Left: 0.004+/-0.000 χ^2/NDF: 79604.5/9

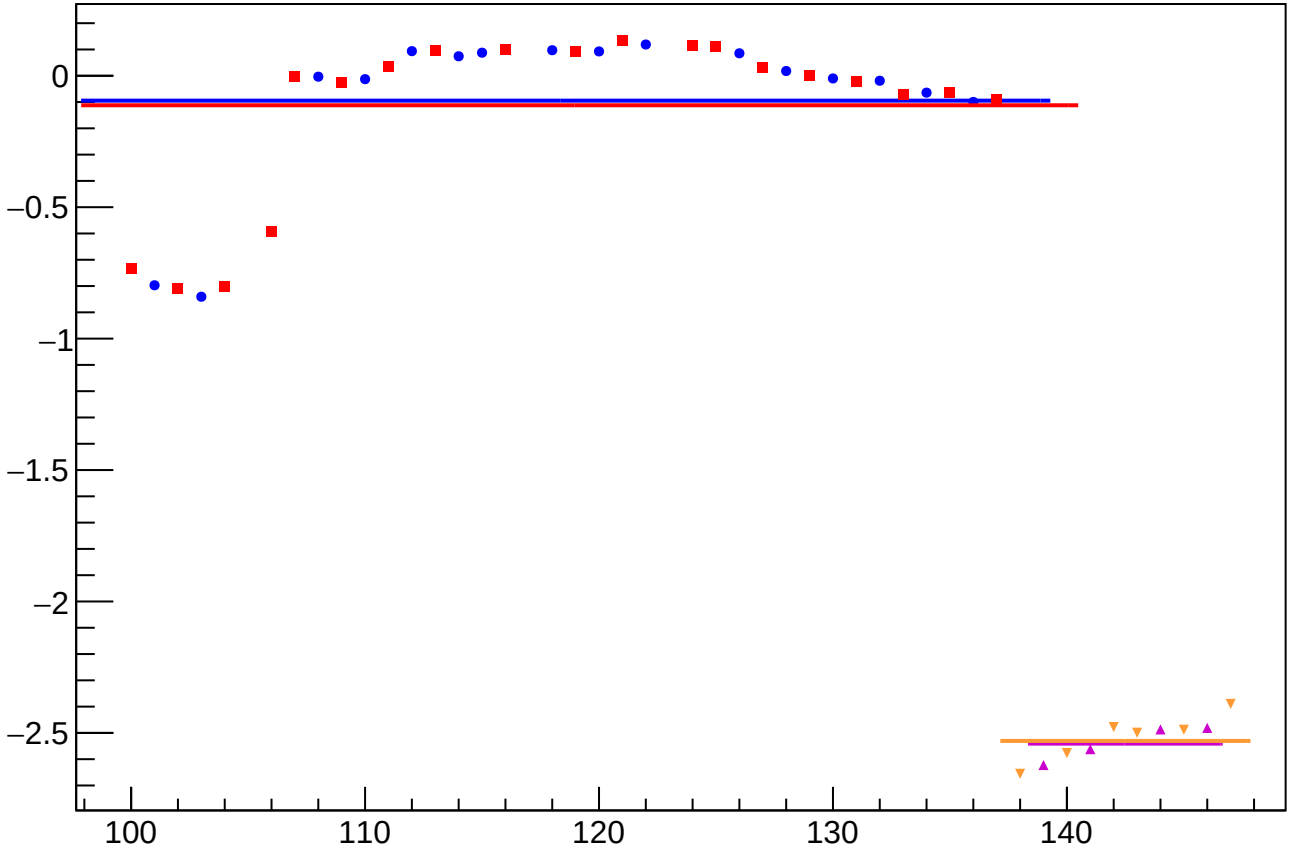
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:533334.7/19

Out: 0.004+/-0.000 χ^2/NDF:397832.4/24

All: 0.004+/-0.000 χ^2/NDF: 933962.9/44

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.531+/-0.000 χ^2/NDF:145741097.0/5

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.541+/-0.000 χ^2/NDF:60309940.9/3

Left: -2.535+/-0.000 χ^2/NDF: 207051350.4/9

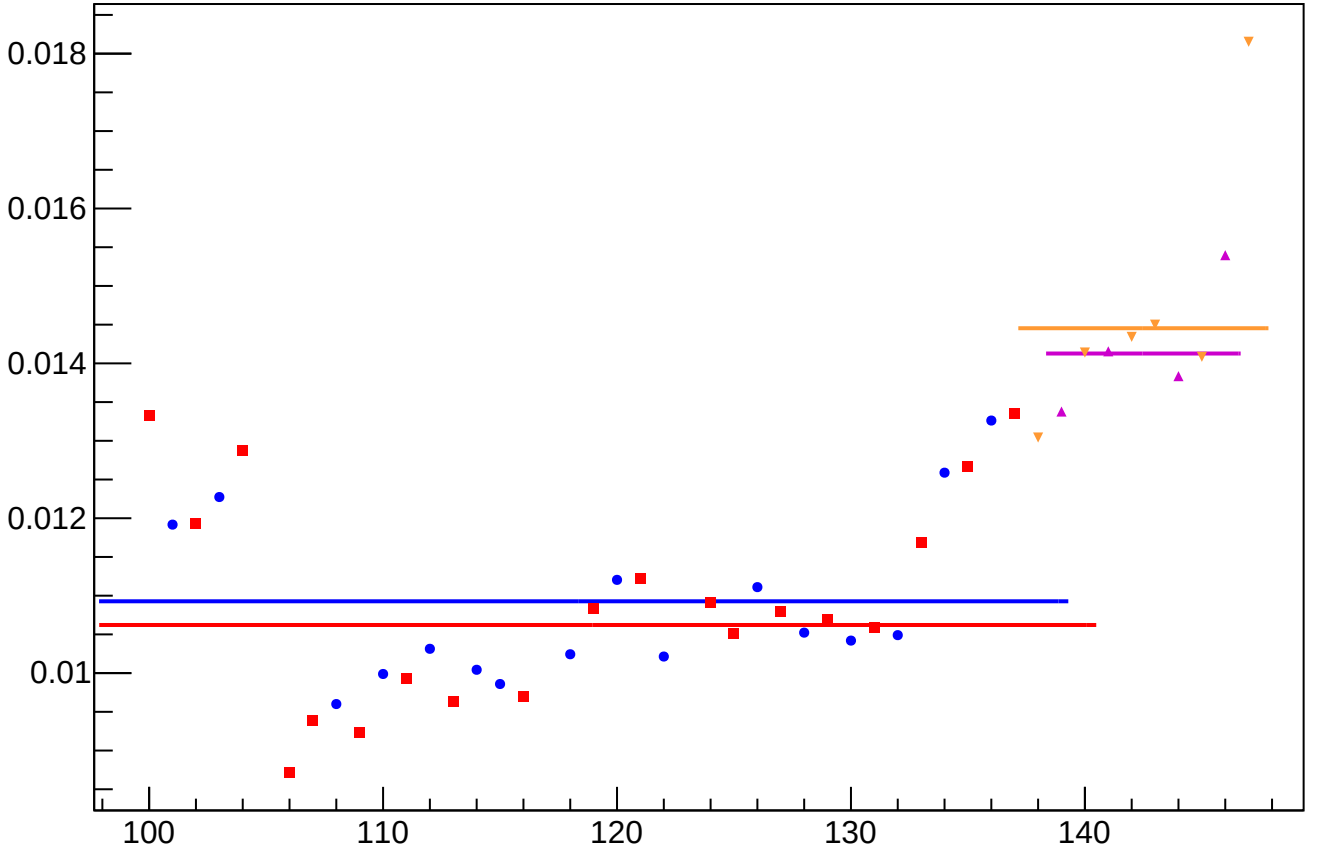
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.650+/-0.000 χ^2/NDF:86584823605.5/19

Out: -0.705+/-0.000 χ^2/NDF:99936245447.3/24

All: -0.679+/-0.000 χ^2/NDF: 186642564292.3

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:88156.2/5

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.014+/-0.000 χ^2/NDF:18187.8/3

Left: 0.014+/-0.000 χ^2/NDF: 108389.8/9

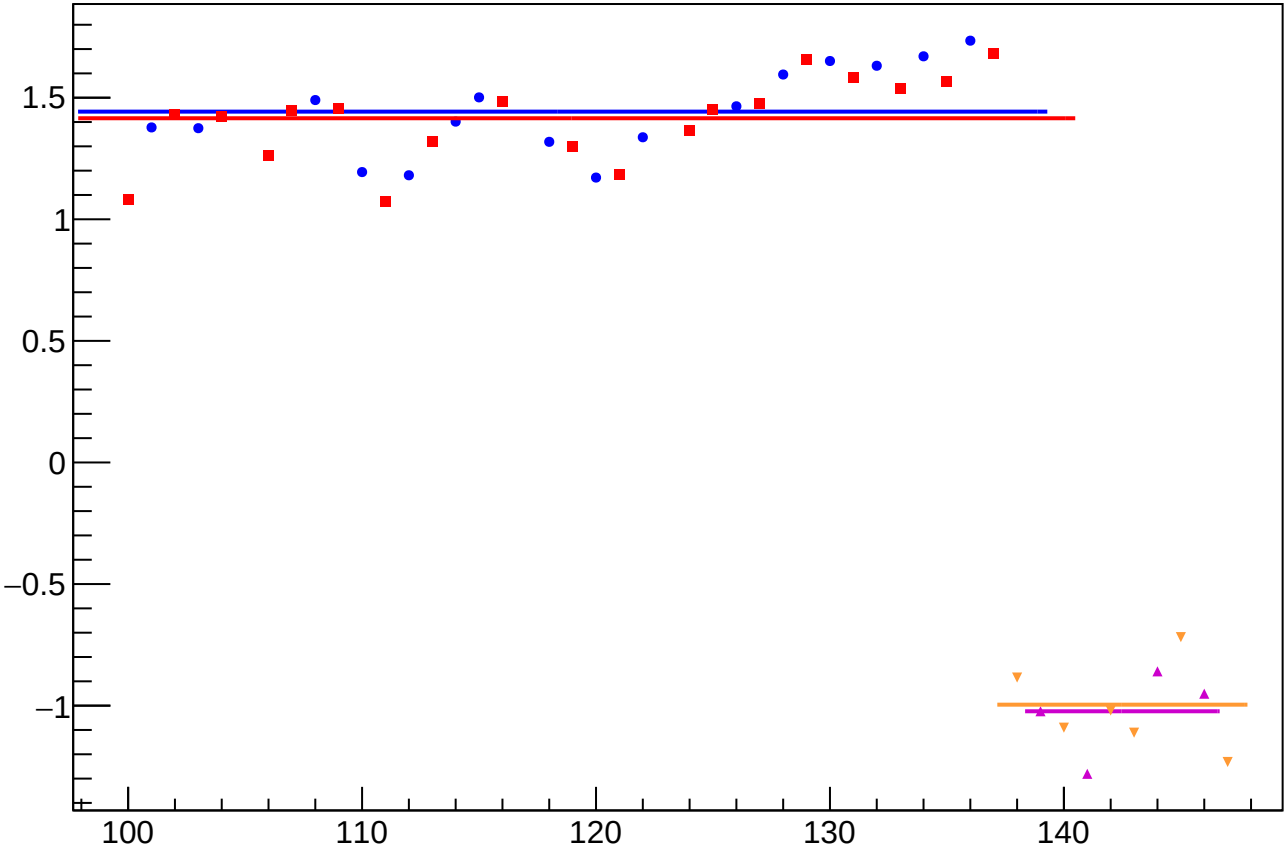
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.012+/-0.000 χ^2/NDF:431985.6/19

Out: 0.012+/-0.000 χ^2/NDF:748836.4/24

All: 0.012+/-0.000 χ^2/NDF: 1181541.1/44

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.996+/-0.000 χ^2/NDF:1147968406.9/5

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.023+/-0.000 χ^2/NDF:744487235.0/3

Left: -1.008+/-0.000 χ^2/NDF: 1905484230.5/9

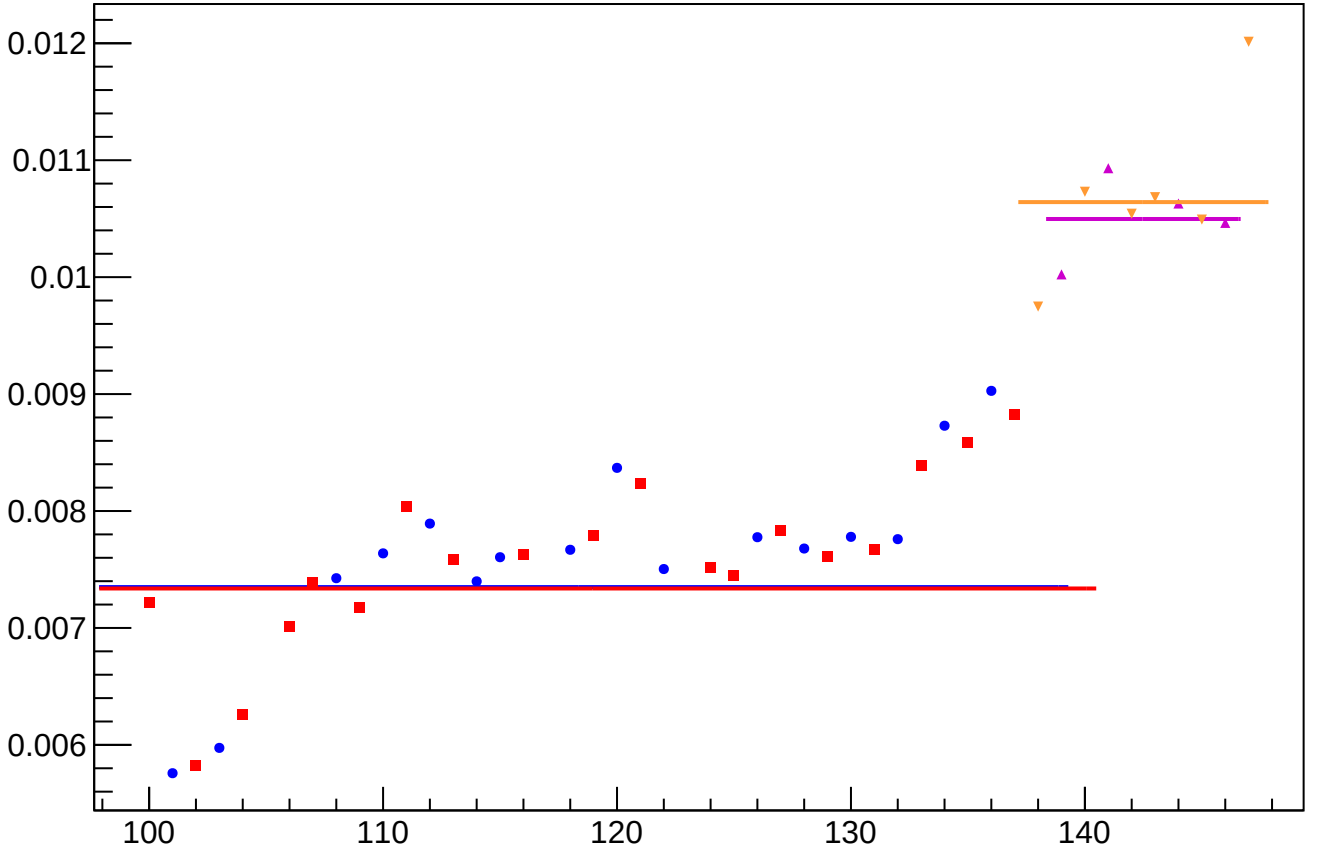
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.960+/-0.000 χ^2/NDF:160353337975.8/19

Out: 0.875+/-0.000 χ^2/NDF:182531982228.1/24

All: 0.915+/-0.000 χ^2/NDF: 343496345711.7

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:35072.8/5

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.010+/-0.000 χ^2/NDF:6852.6/3

Left: 0.011+/-0.000 χ^2/NDF: 42662.9/9

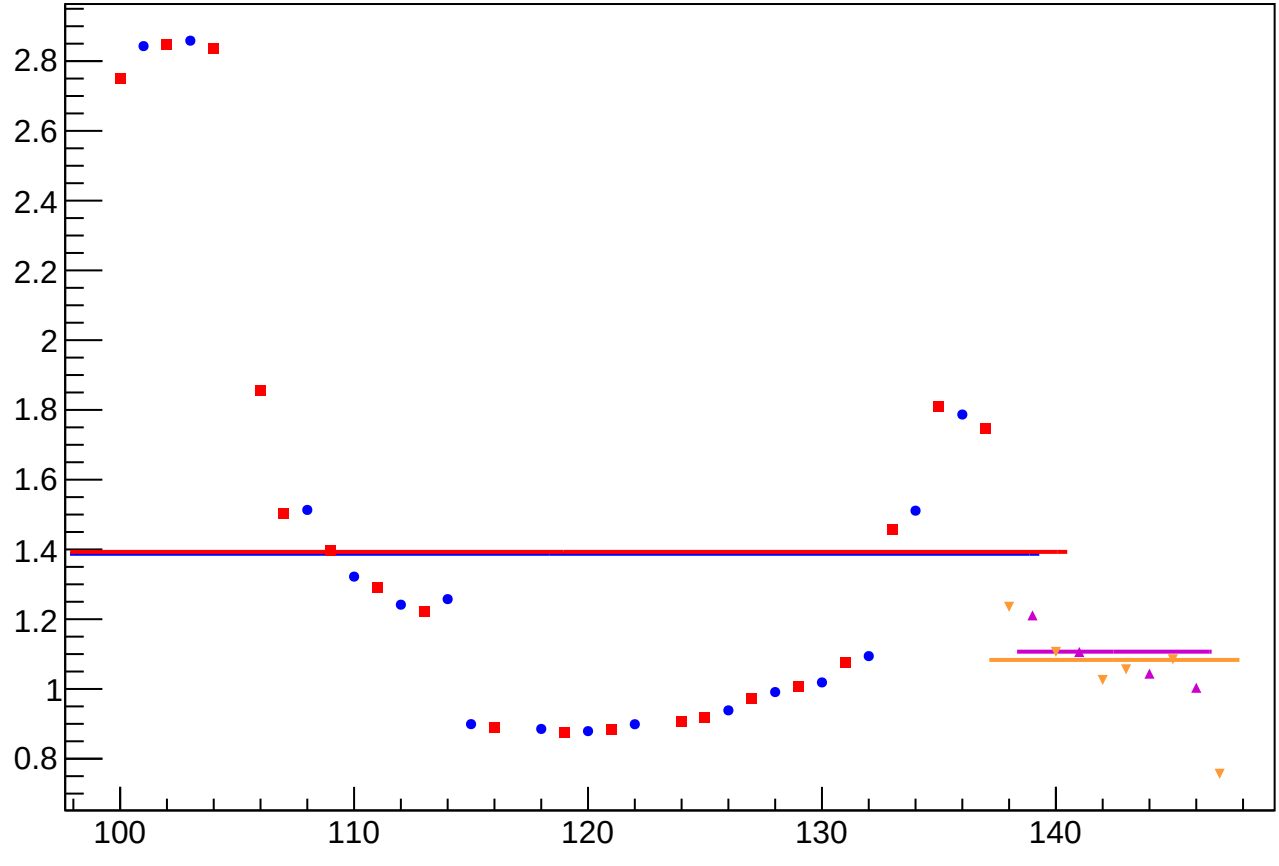
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:785743.2/19

Out: 0.008+/-0.000 χ^2/NDF:901041.0/24

All: 0.008+/-0.000 χ^2/NDF: 1688924.3/44

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.083+/-0.000 χ^2/NDF:932189404.2/5

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.107+/-0.000 χ^2/NDF:274588346.0/3

Left: 1.094+/-0.000 χ^2/NDF: 1220907127.8/9

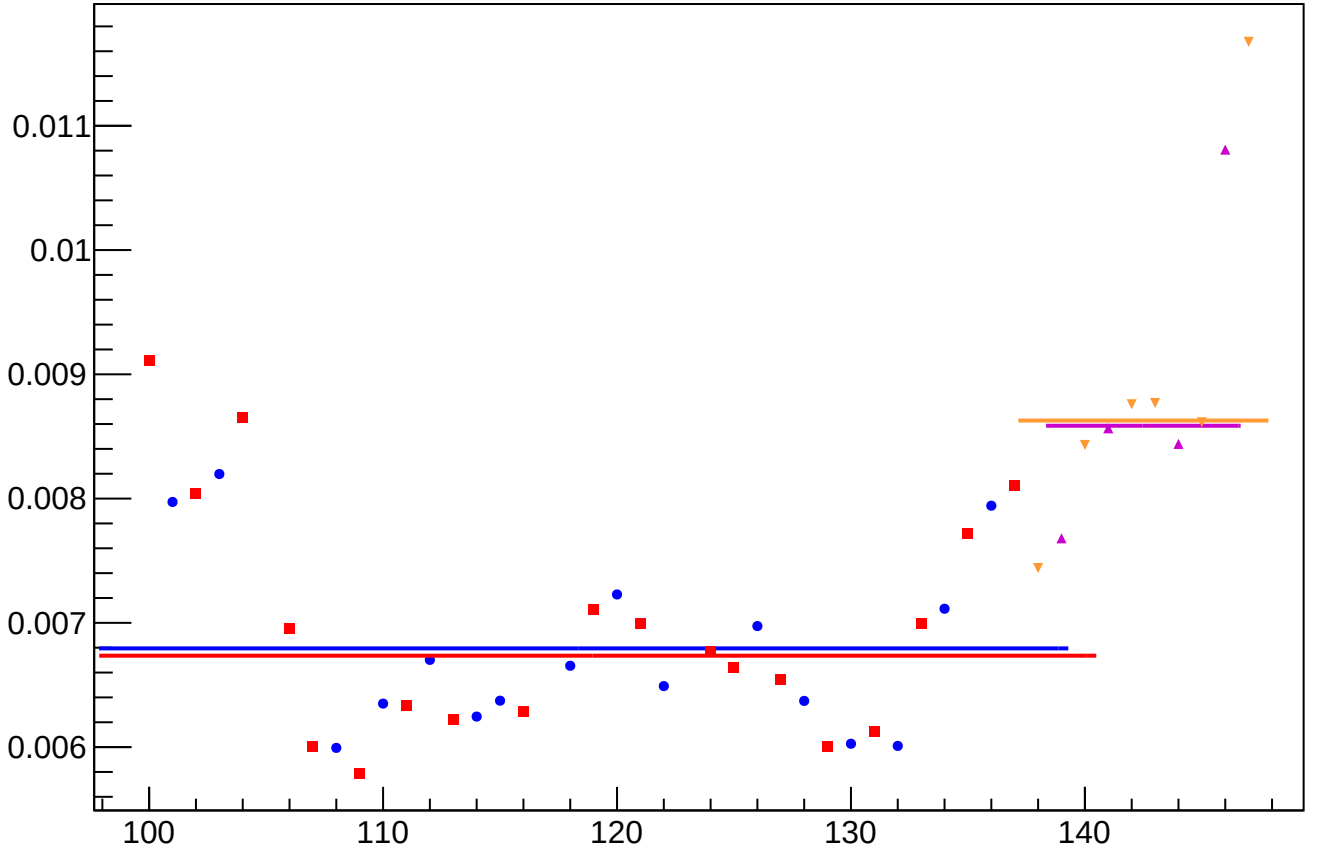
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.324+/-0.000 χ^2/NDF:61636459214.9/19

Out: 1.312+/-0.000 χ^2/NDF:60351820031.9/24

All: 1.318+/-0.000 χ^2/NDF: 122002330485.3

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:141493.1/5

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.009+/-0.000 χ^2/NDF:90075.7/3

Left: 0.009+/-0.000 χ^2/NDF: 231657.3/9

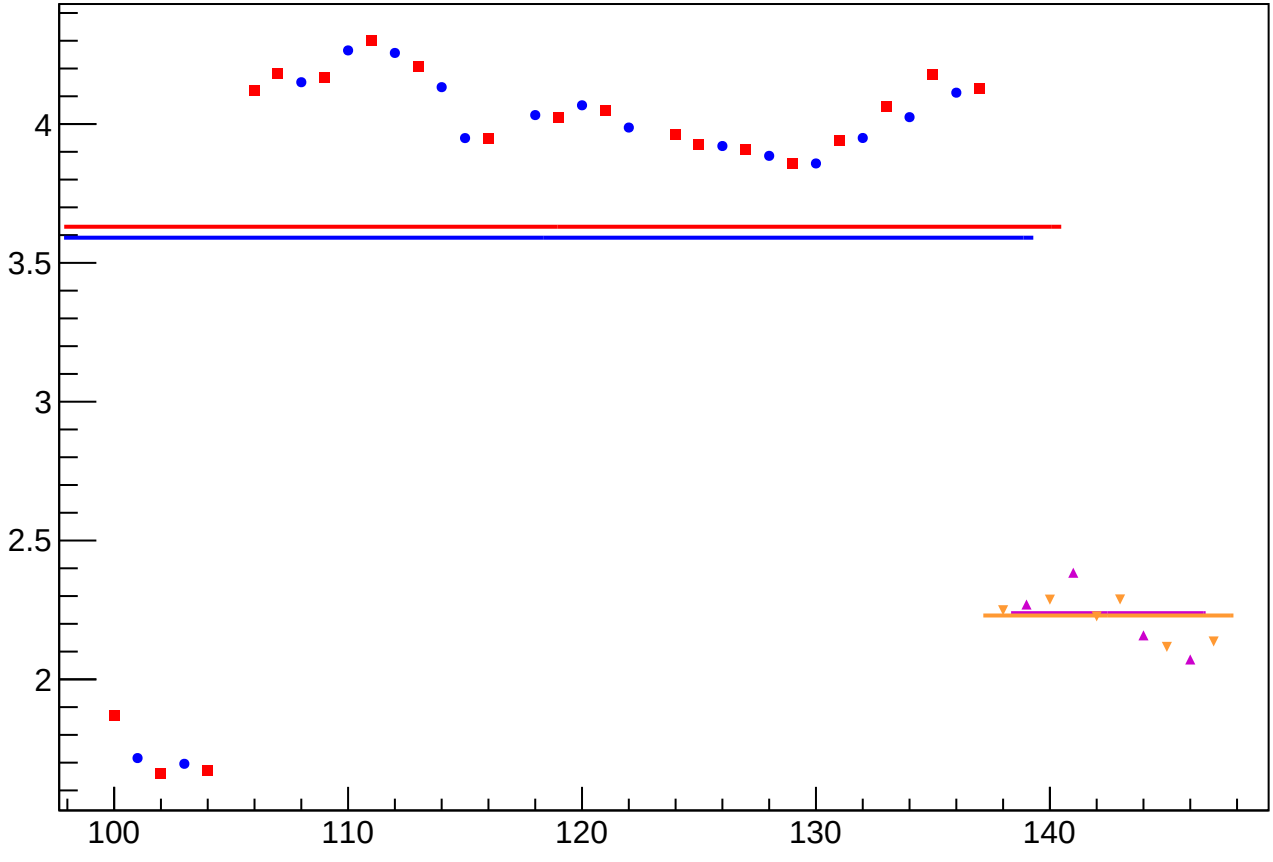
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:478616.7/19

Out: 0.007+/-0.000 χ^2/NDF:642548.7/24

All: 0.007+/-0.000 χ^2/NDF: 1121327.6/44

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 2.230+/-0.000 χ^2/NDF:315075726.3/5

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 2.238+/-0.000 χ^2/NDF:679491853.0/3

Left: 2.234+/-0.000 χ^2/NDF: 996793784.8/9

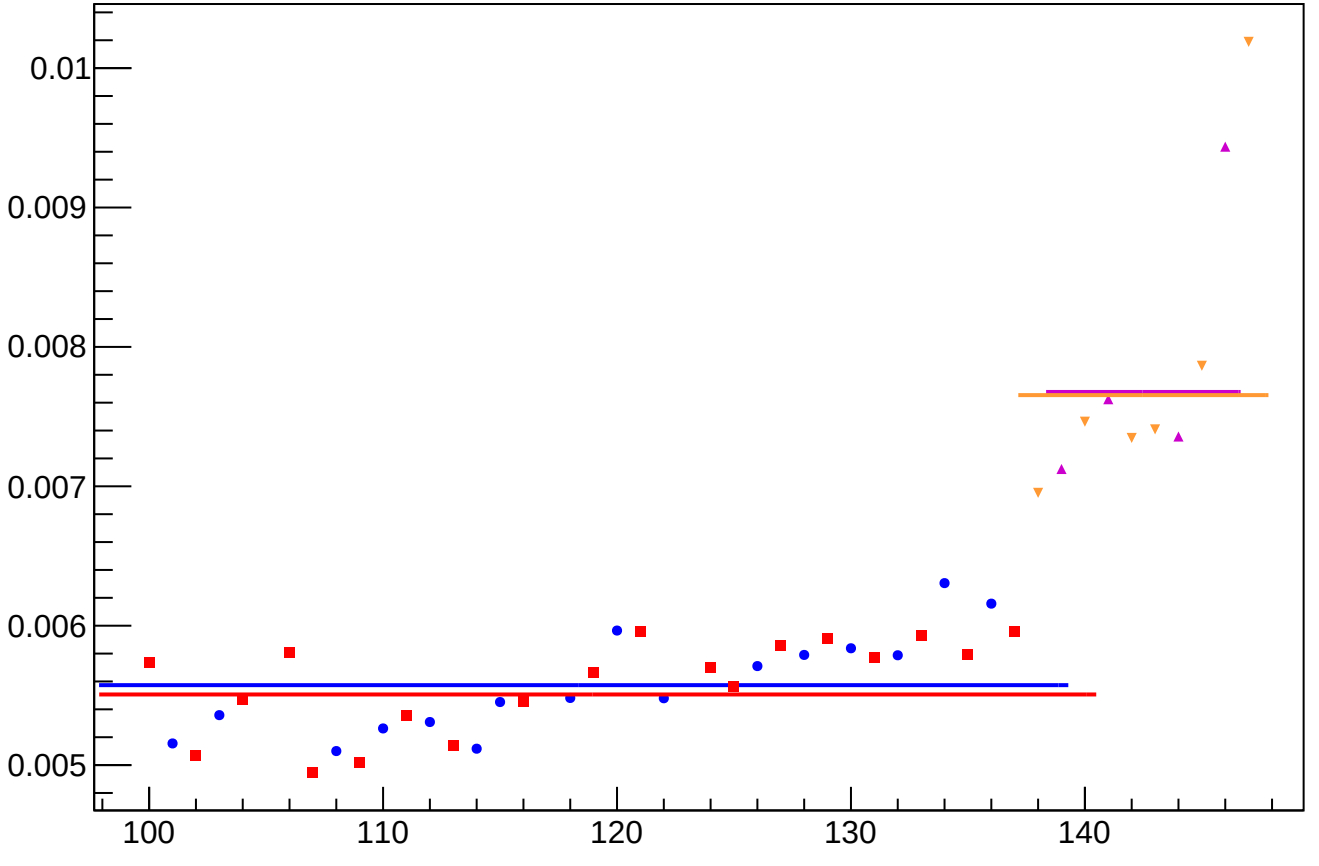
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.325+/-0.000 χ^2/NDF:285844068459.9/19

Out: 3.307+/-0.000 χ^2/NDF:321888521599.6/24

All: 3.315+/-0.000 χ^2/NDF: 607780262073.8

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:110024.4/5

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.008+/-0.000 χ^2/NDF:66675.0/3

Left: 0.008+/-0.000 χ^2/NDF: 176731.7/9

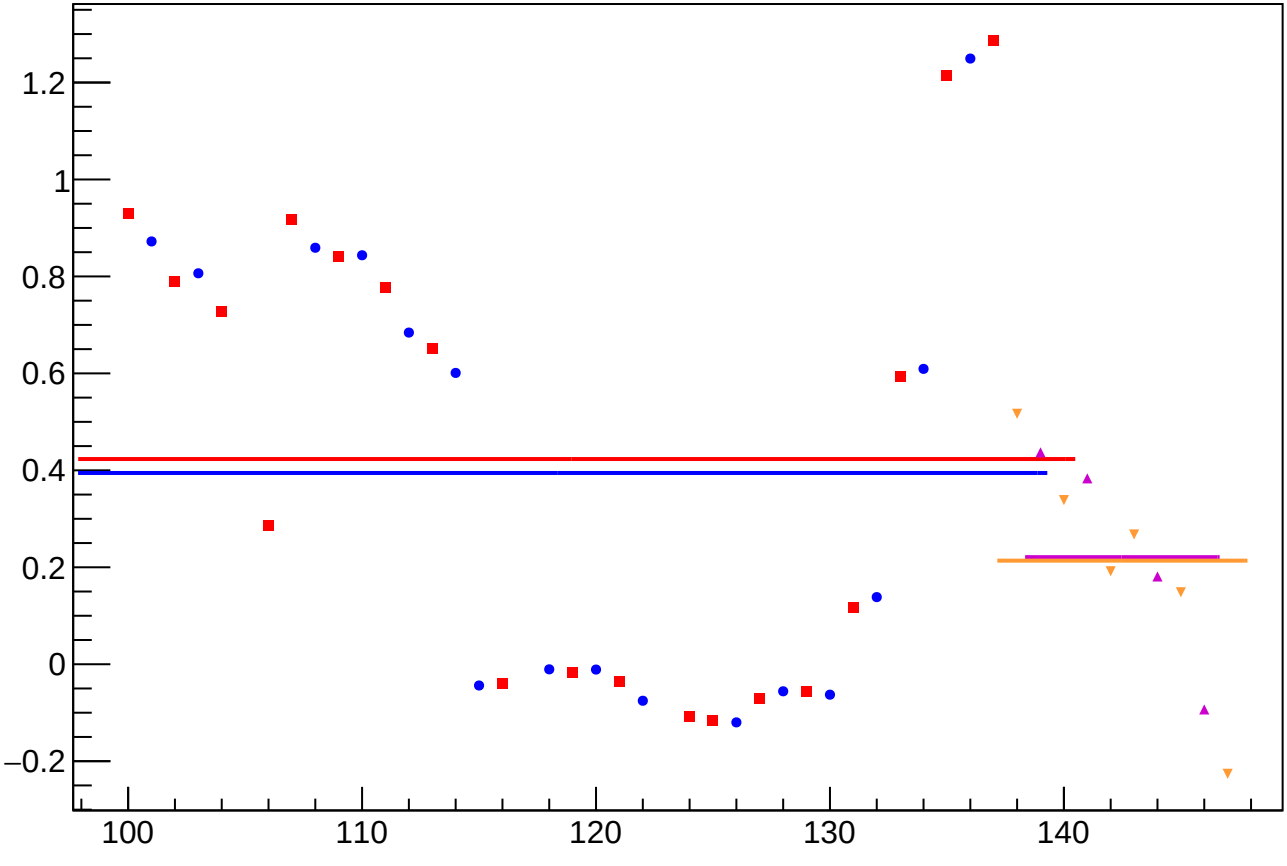
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:527249.6/19

Out: 0.006+/-0.000 χ^2/NDF:680239.3/24

All: 0.006+/-0.000 χ^2/NDF: 1207558.7/44

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.214+/-0.000 χ^2/NDF:875129578.9/5

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.221+/-0.000 χ^2/NDF:566340624.0/3

Left: 0.217+/-0.000 χ^2/NDF: 1441859741.8/9

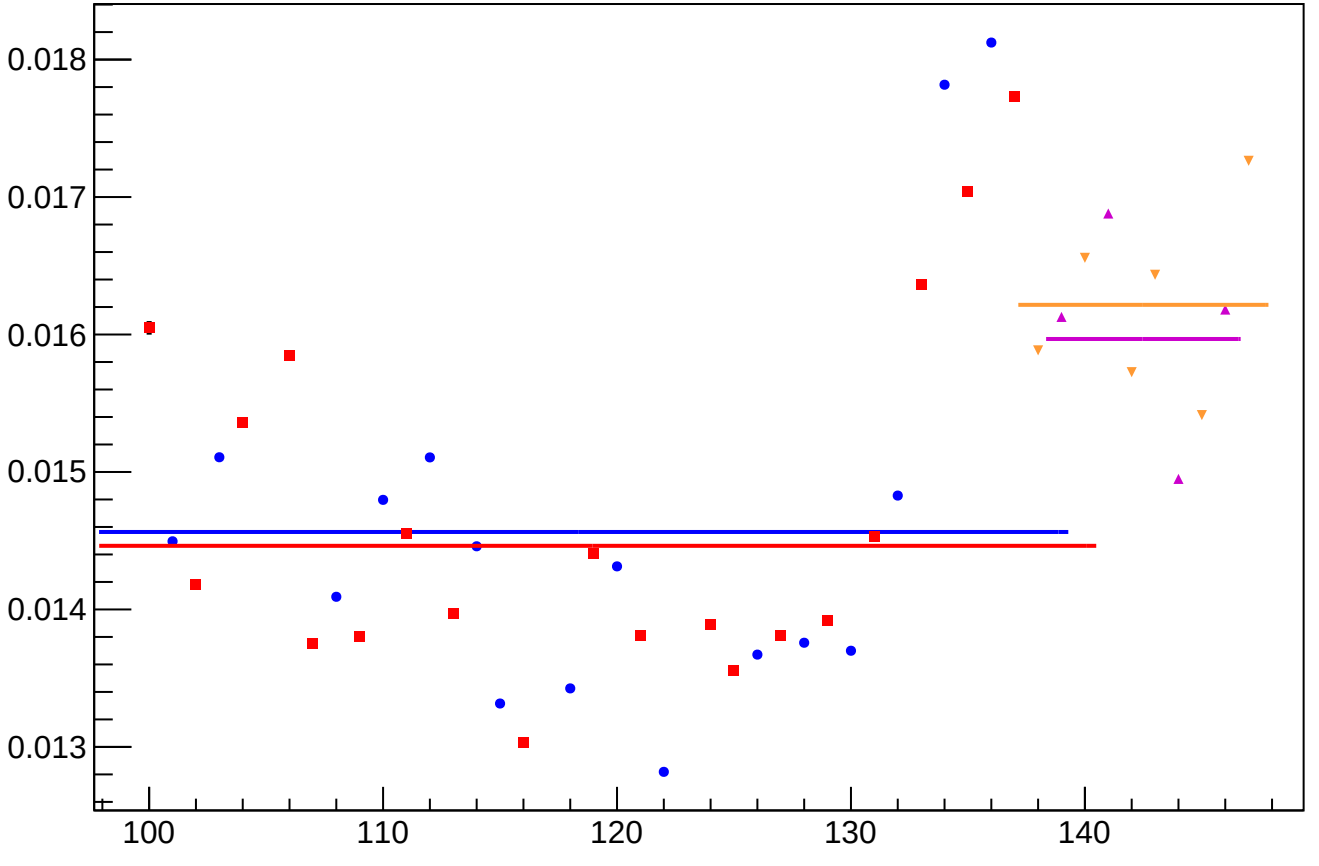
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.344+/-0.000 χ^2/NDF:8270731865.9/19

Out: 0.355+/-0.000 χ^2/NDF:8278819585.8/24

All: 0.350+/-0.000 χ^2/NDF: 16552297192.5/4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.016+/-0.000 χ^2/NDF:12795.7/5

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:13856.0/3

Left: 0.016+/-0.000 χ^2/NDF: 27581.8/9

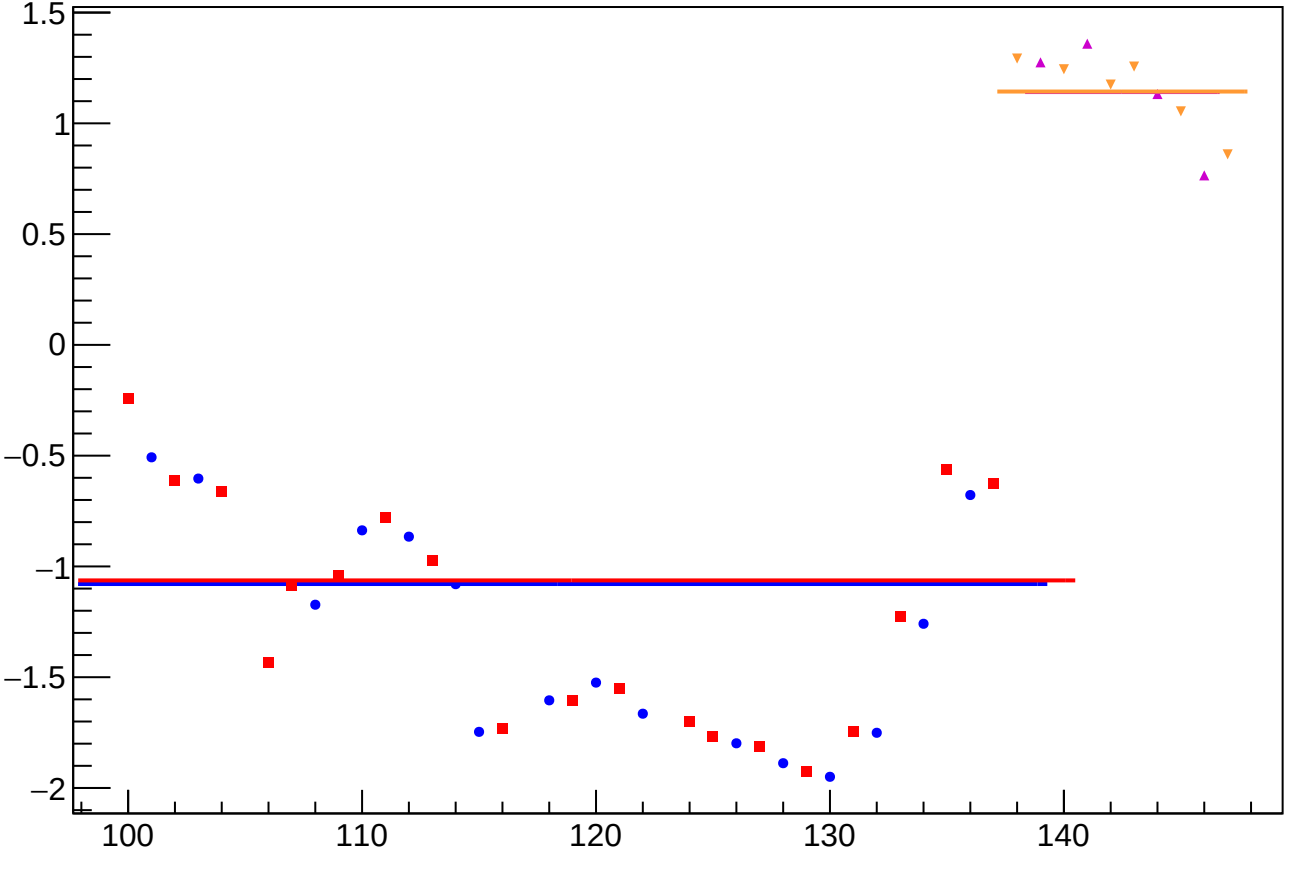
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.015+/-0.000 χ^2/NDF:185132.9/19

Out: 0.015+/-0.000 χ^2/NDF:160075.2/24

All: 0.015+/-0.000 χ^2/NDF: 345419.9/44

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.144+/-0.000 χ^2/NDF:6592365209.6/5

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.141+/-0.000 χ^2/NDF:8279303864.6/3

Left: 1.143+/-0.000 χ^2/NDF: 14872299570.2/9

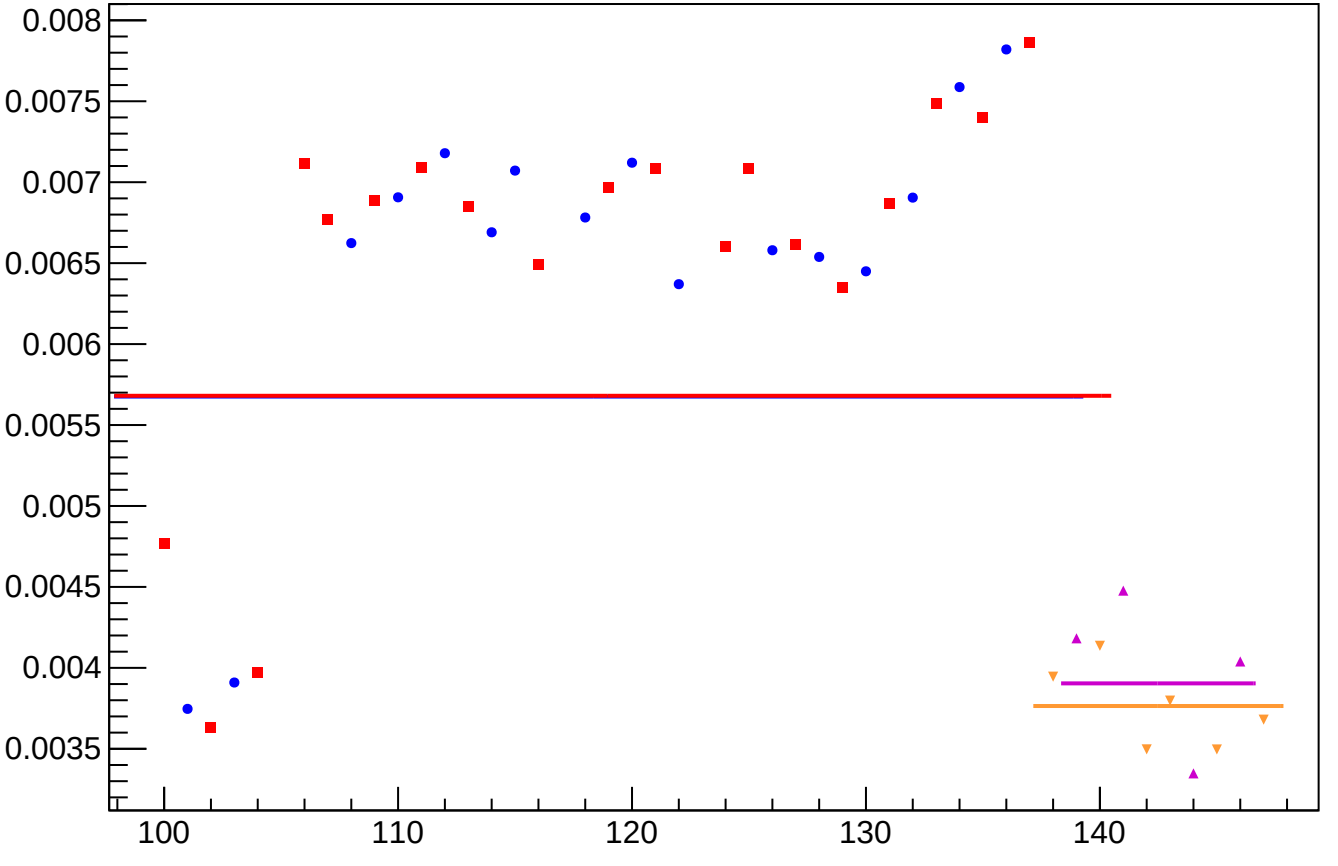
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.041+/-0.000 χ^2/NDF:559518744691.8/19

Out: 0.234+/-0.000 χ^2/NDF:628460473652.1/24

All: 0.147+/-0.000 χ^2/NDF: 1196172068683.

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:29665.4/5

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:82199.8/3

Left: 0.004+/-0.000 χ^2/NDF: 116477.3/9

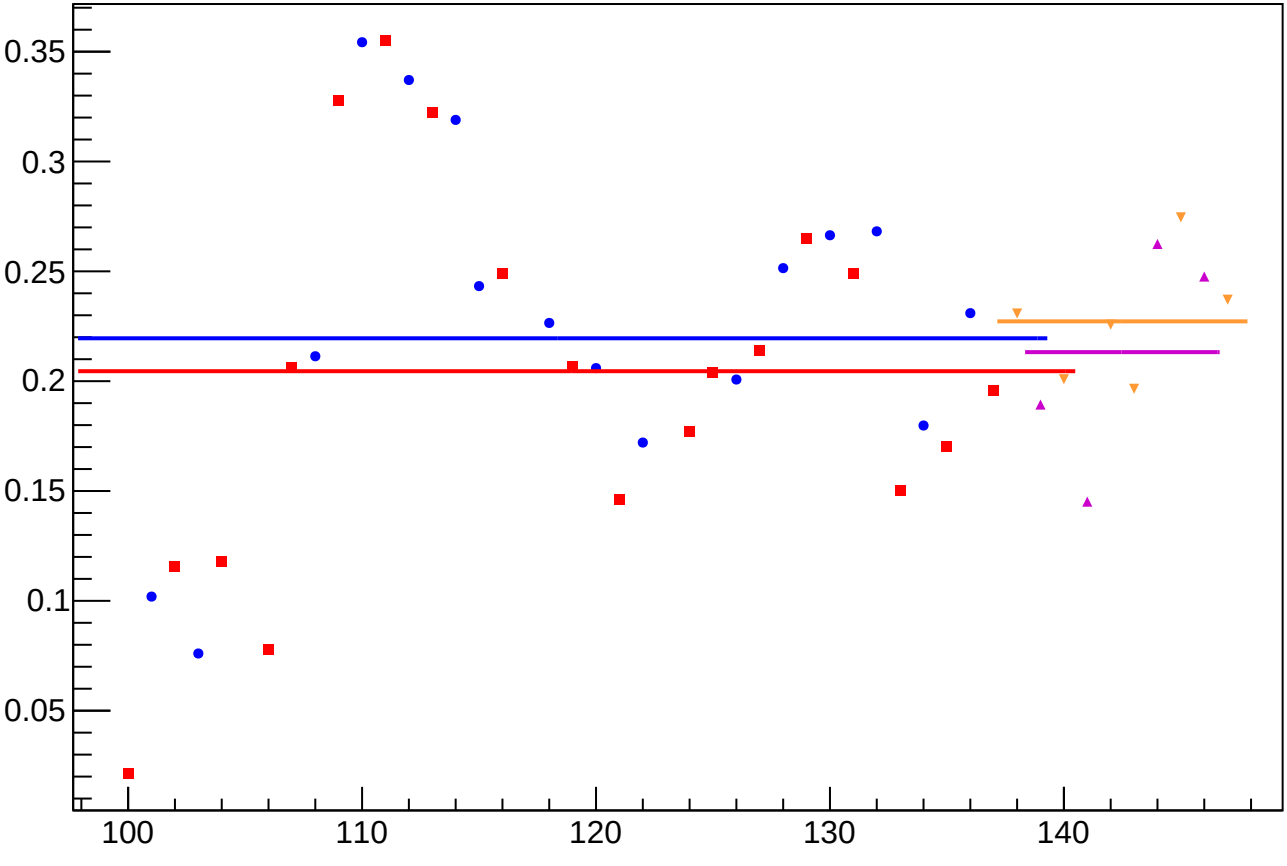
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.005+/-0.000 χ^2/NDF:1652849.2/19

Out: 0.005+/-0.000 χ^2/NDF:1872946.7/24

All: 0.005+/-0.000 χ^2/NDF: 3548600.5/44

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.227+/-0.000 χ^2/NDF:1723606017.1/5

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.213+/-0.000 χ^2/NDF:4079681632.6/3

Left: 0.221+/-0.000 χ^2/NDF: 6001249483.8/9

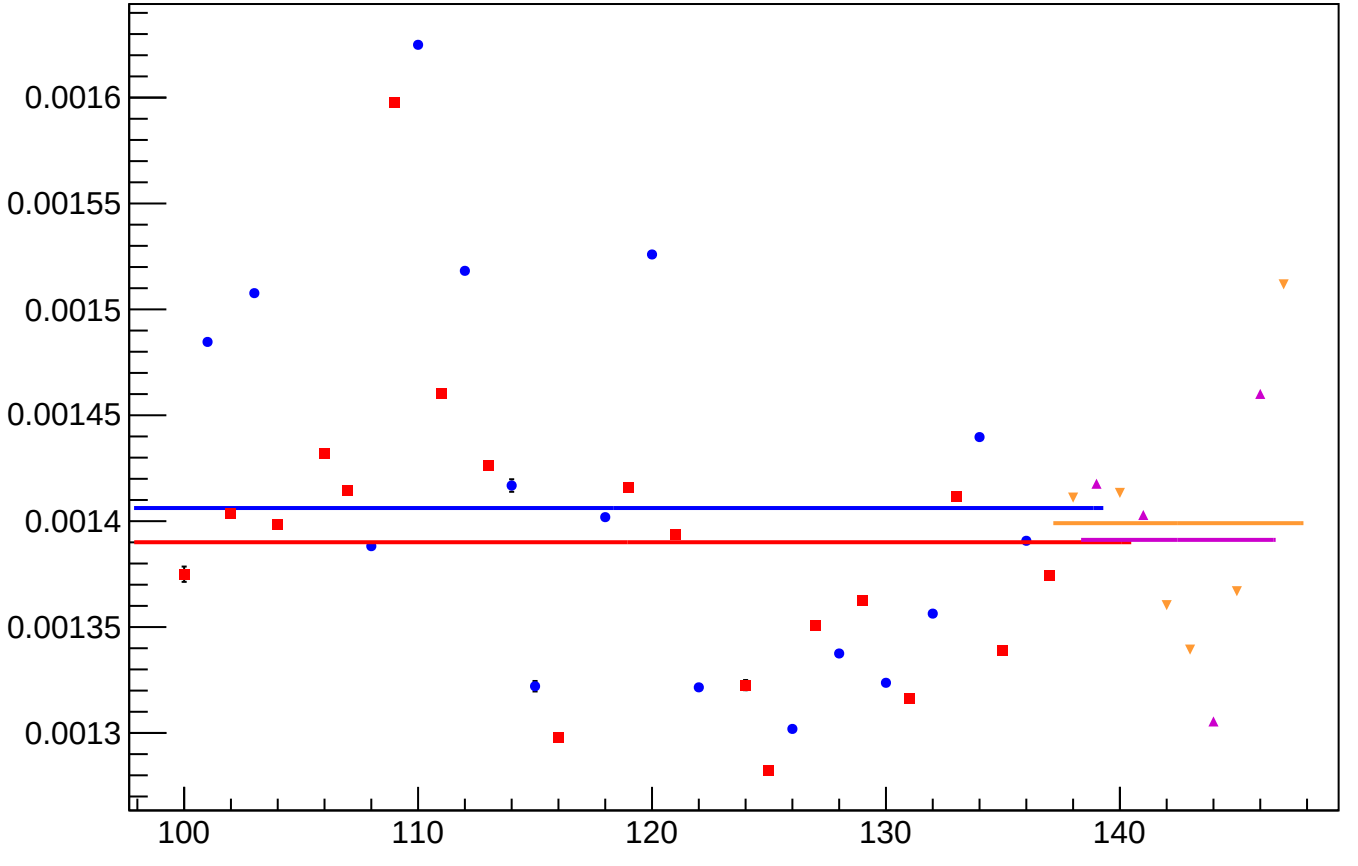
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.217+/-0.000 χ^2/NDF:20856906428.4/19

Out: 0.213+/-0.000 χ^2/NDF:24768492404.3/24

All: 0.215+/-0.000 χ^2/NDF: 45678540215.5/4

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:13975.4/5

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:12437.5/3

Left: 0.001+/-0.000 χ^2/NDF: 26538.3/9

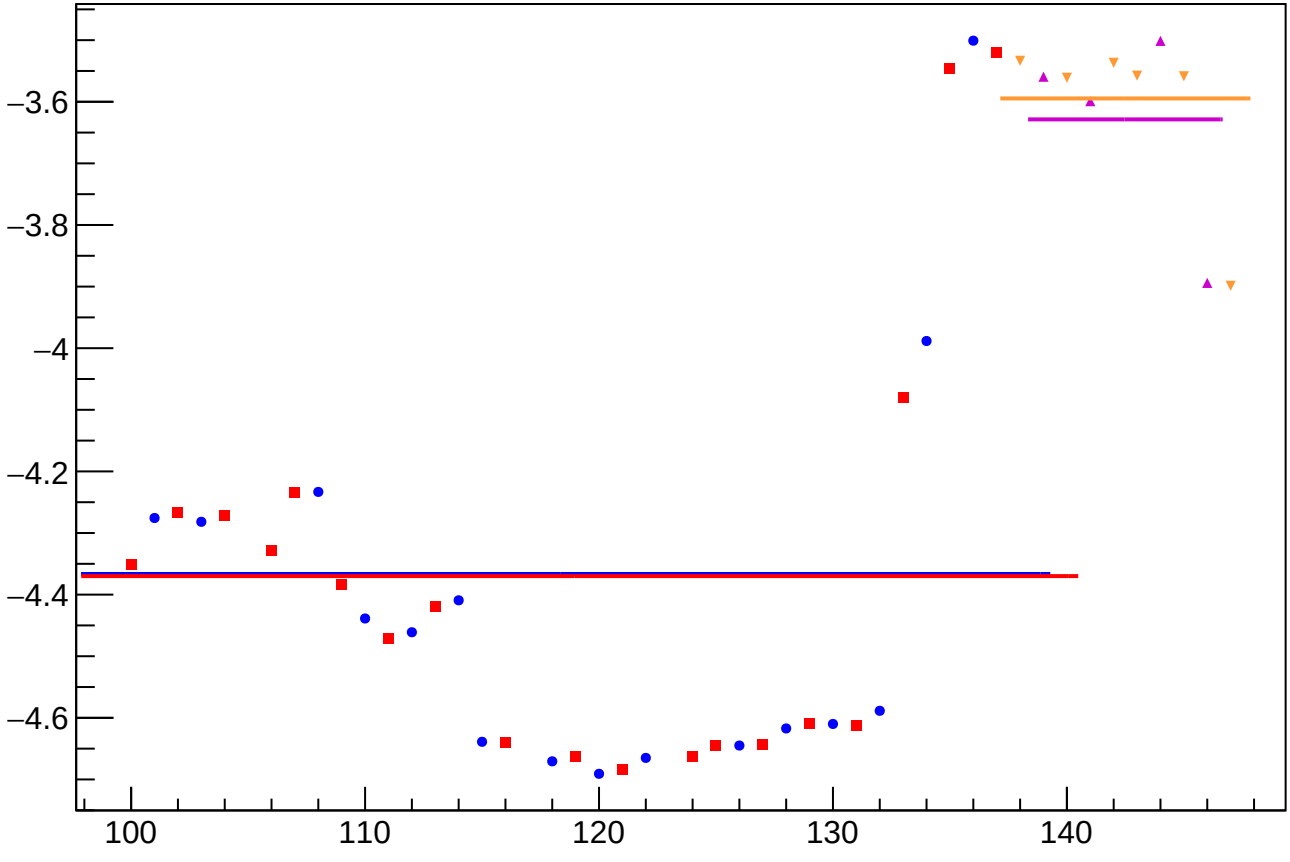
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:61178.4/19

Out: 0.001+/-0.000 χ^2/NDF:48992.6/24

All: 0.001+/-0.000 χ^2/NDF: 110503.5/44

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.595+/-0.000 χ^2/NDF:17065054642.9/5

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.629+/-0.000 χ^2/NDF:21363728143.5/3

Left: -3.610+/-0.000 χ^2/NDF: 39078312365.9/9

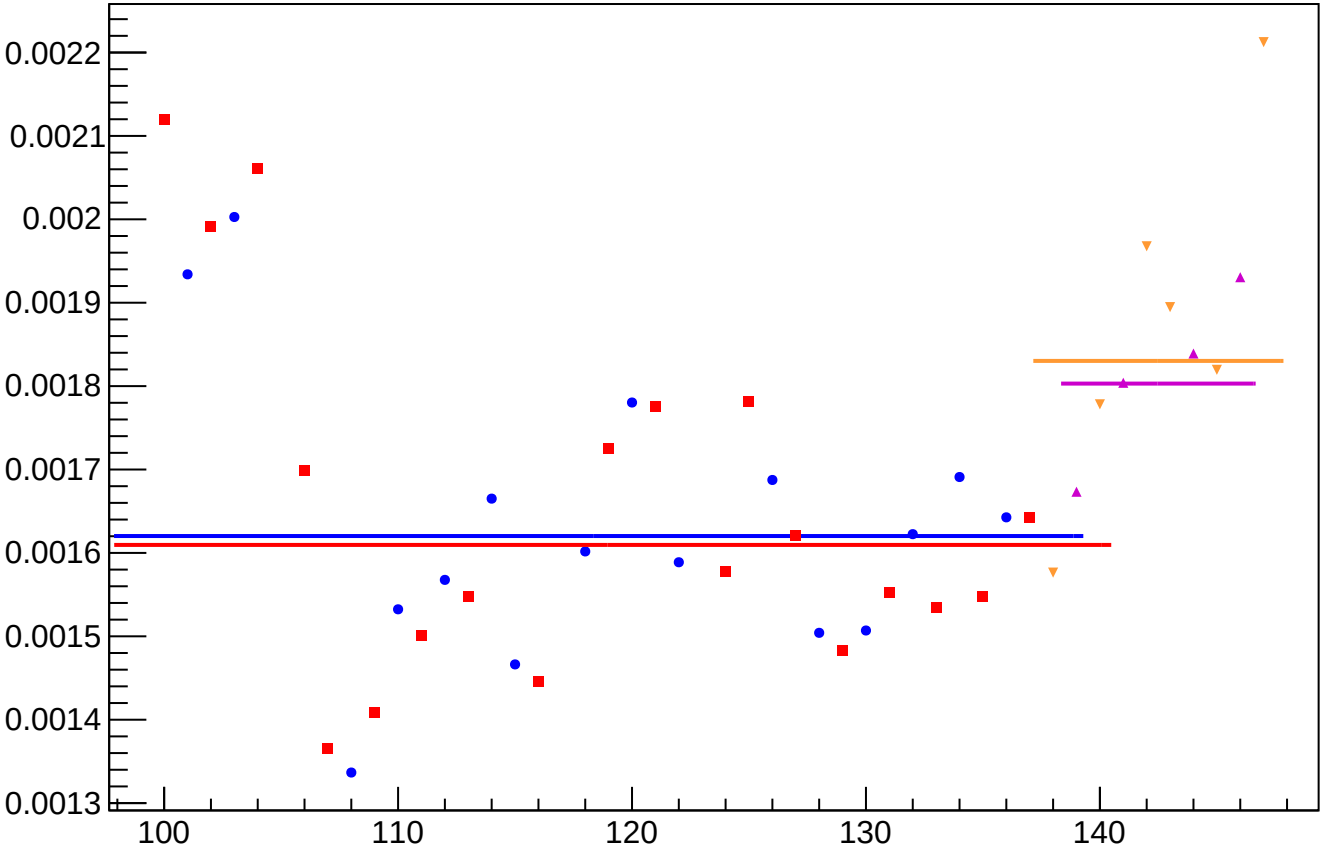
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.159+/-0.000 χ^2/NDF:774444917468.4/19

Out: -4.128+/-0.000 χ^2/NDF:829455952260.1/24

All: -4.143+/-0.000 χ^2/NDF: 1605832531685

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:91340.1/5

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:17671.2/3

Left: 0.002+/-0.000 χ^2/NDF: 109842.5/9

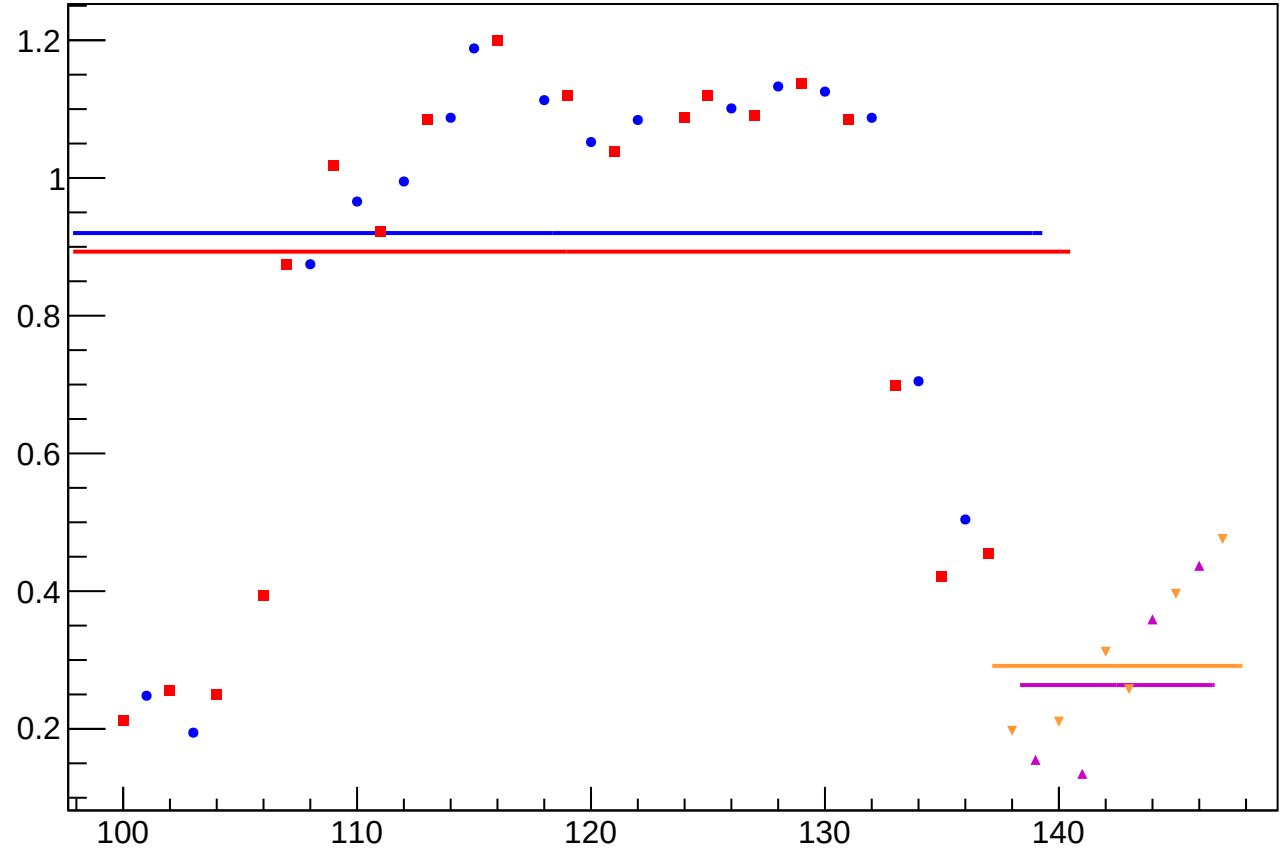
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:206982.1/19

Out: 0.002+/-0.000 χ^2/NDF:359923.1/24

All: 0.002+/-0.000 χ^2/NDF: 567092.3/44

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.292+/-0.000 χ^2/NDF:517099871.1/5

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.264+/-0.000 χ^2/NDF:728902401.4/3

Left: 0.279+/-0.000 χ^2/NDF: 1265226287.4/9

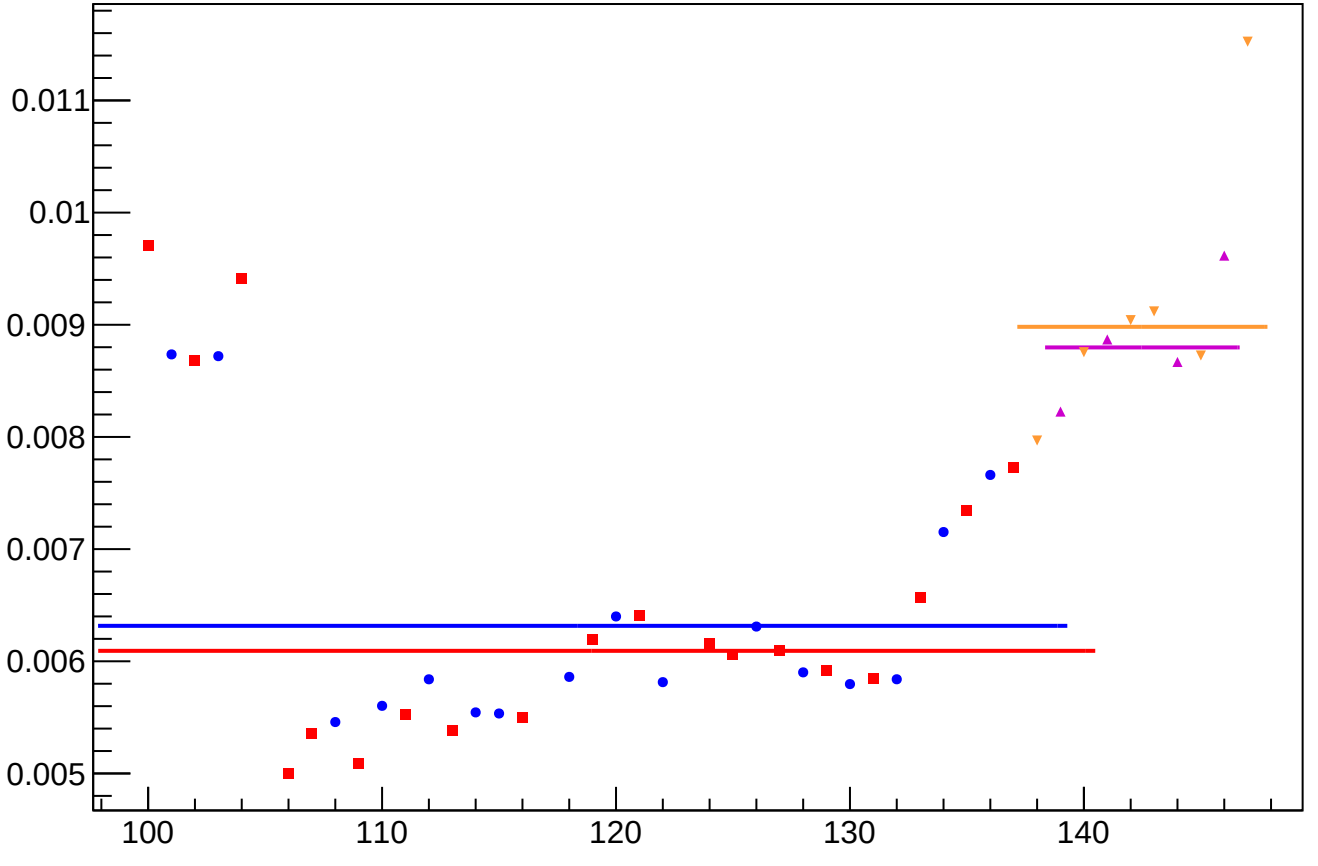
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.786+/-0.000 χ^2/NDF:30762520987.8/19

Out: 0.761+/-0.000 χ^2/NDF:33629271217.1/24

All: 0.773+/-0.000 χ^2/NDF: 64462602877.0/4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:107552.9/5

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:21513.1/3

Left: 0.009+/-0.000 χ^2/NDF: 130735.6/9

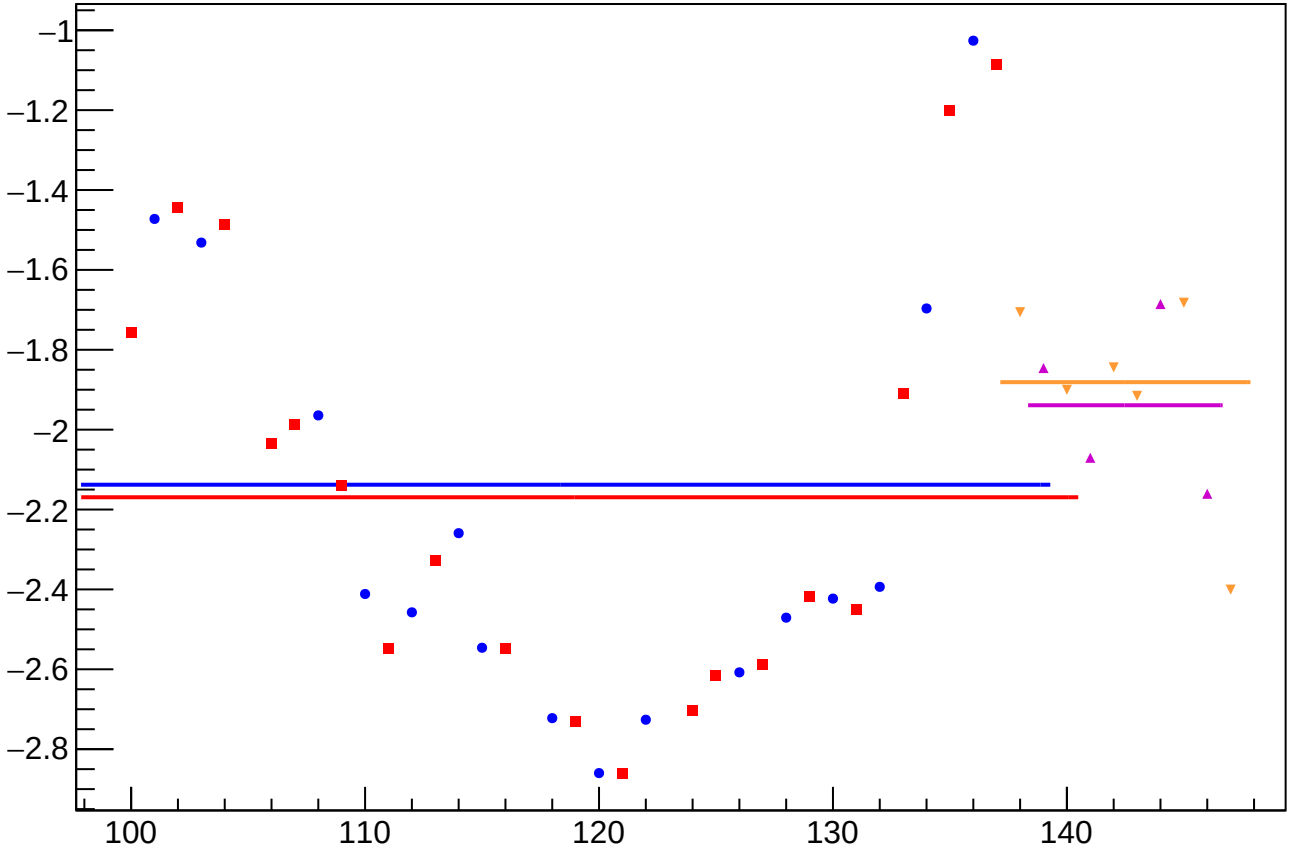
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:799541.8/19

Out: 0.007+/-0.000 χ^2/NDF:1257047.1/24

All: 0.007+/-0.000 χ^2/NDF: 2058827.3/44

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.881+/-0.000 χ^2/NDF:3810071039.5/5

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -1.939+/-0.000 χ^2/NDF:2063577271.9/3

Left: -1.907+/-0.000 χ^2/NDF: 5984565657.7/9

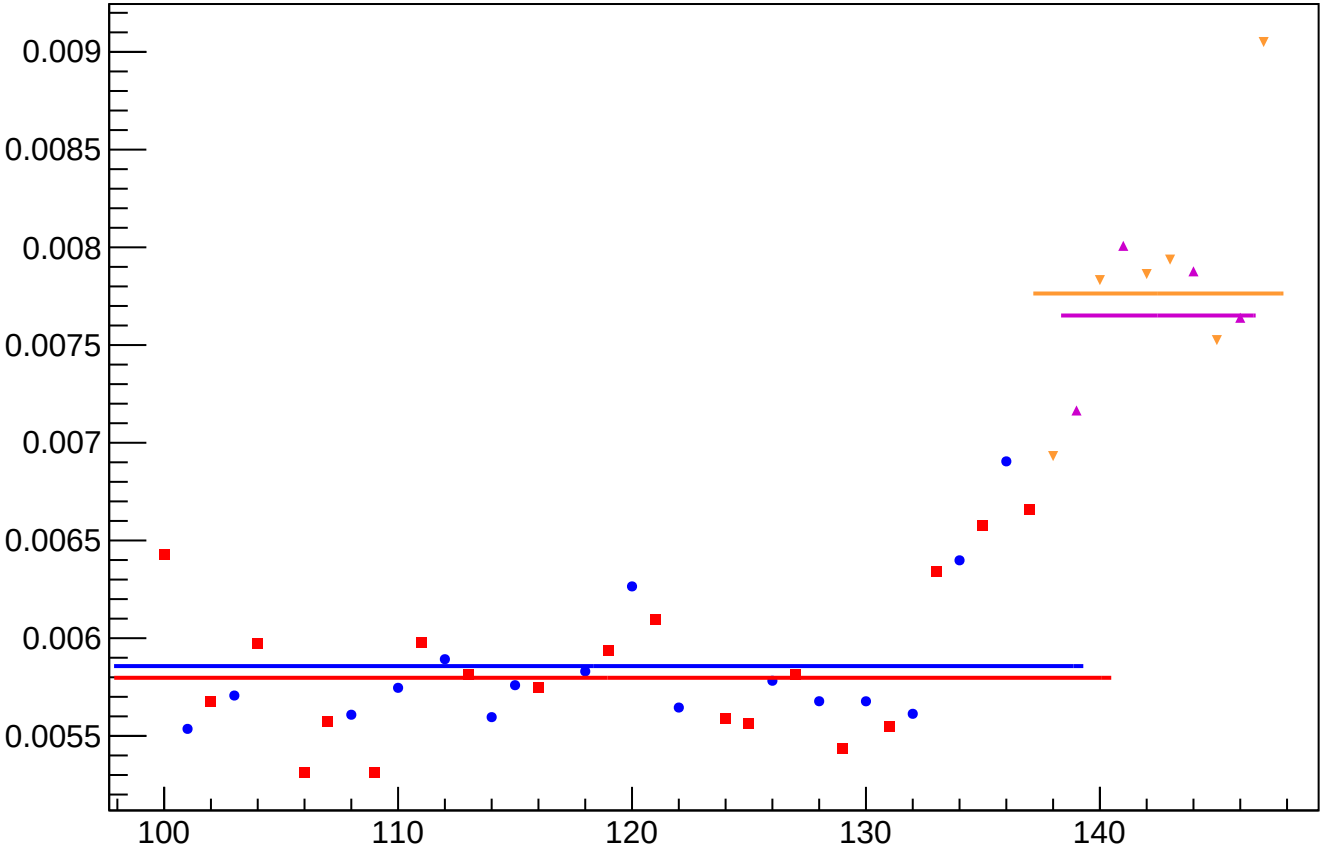
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.094+/-0.000 χ^2/NDF:69577623120.1/19

Out: -2.097+/-0.000 χ^2/NDF:65838772704.3/24

All: -2.095+/-0.000 χ^2/NDF: 135418046376.2

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.008+/-0.000 χ^2/NDF:58377.8/5

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.008+/-0.000 χ^2/NDF:12750.1/3

Left: 0.008+/-0.000 χ^2/NDF: 71968.5/9

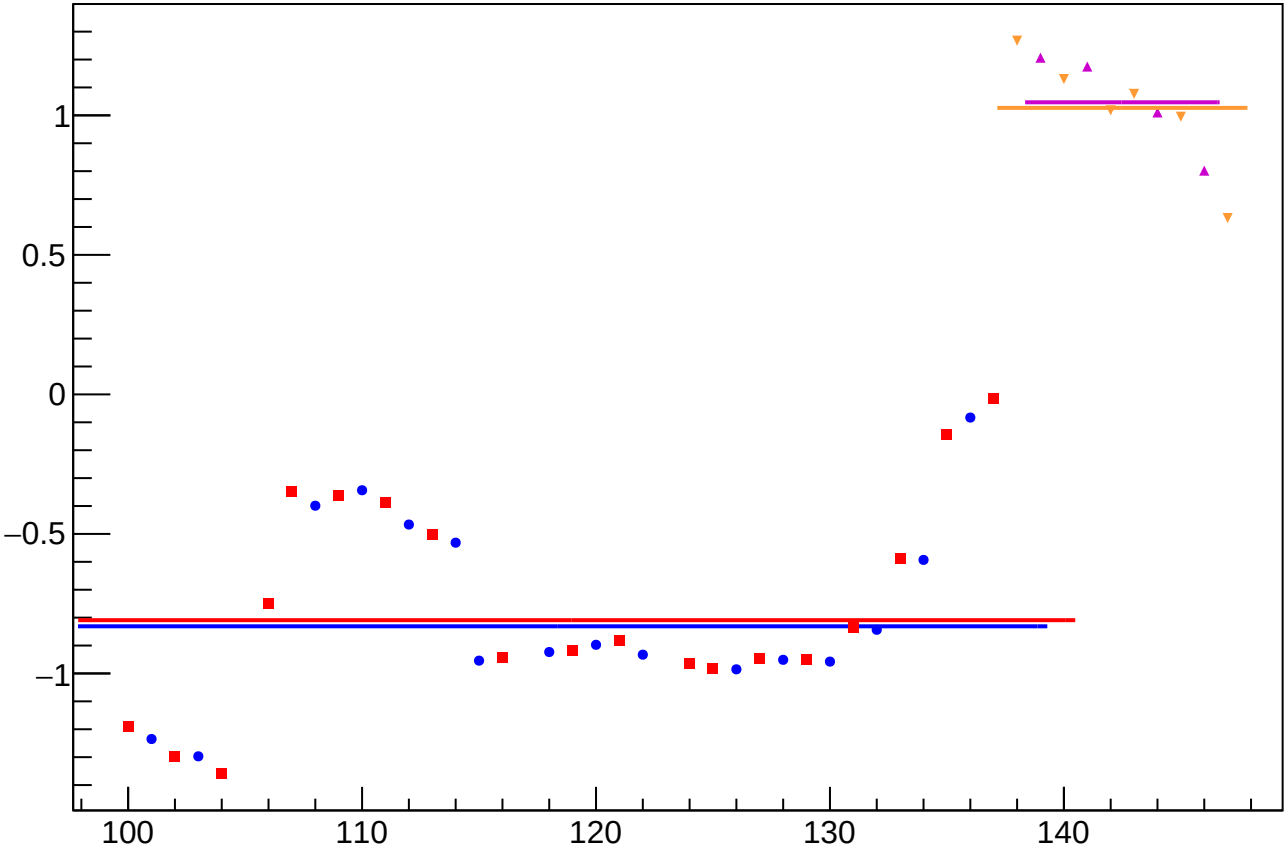
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:375026.3/19

Out: 0.006+/-0.000 χ^2/NDF:544916.6/24

All: 0.006+/-0.000 χ^2/NDF: 920266.4/44

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 1.027+/-0.000 χ^2/NDF:1049831243.8/5

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: 1.047+/-0.000 χ^2/NDF:531342854.4/3

Left: 1.036+/-0.000 χ^2/NDF: 1586073951.0/9

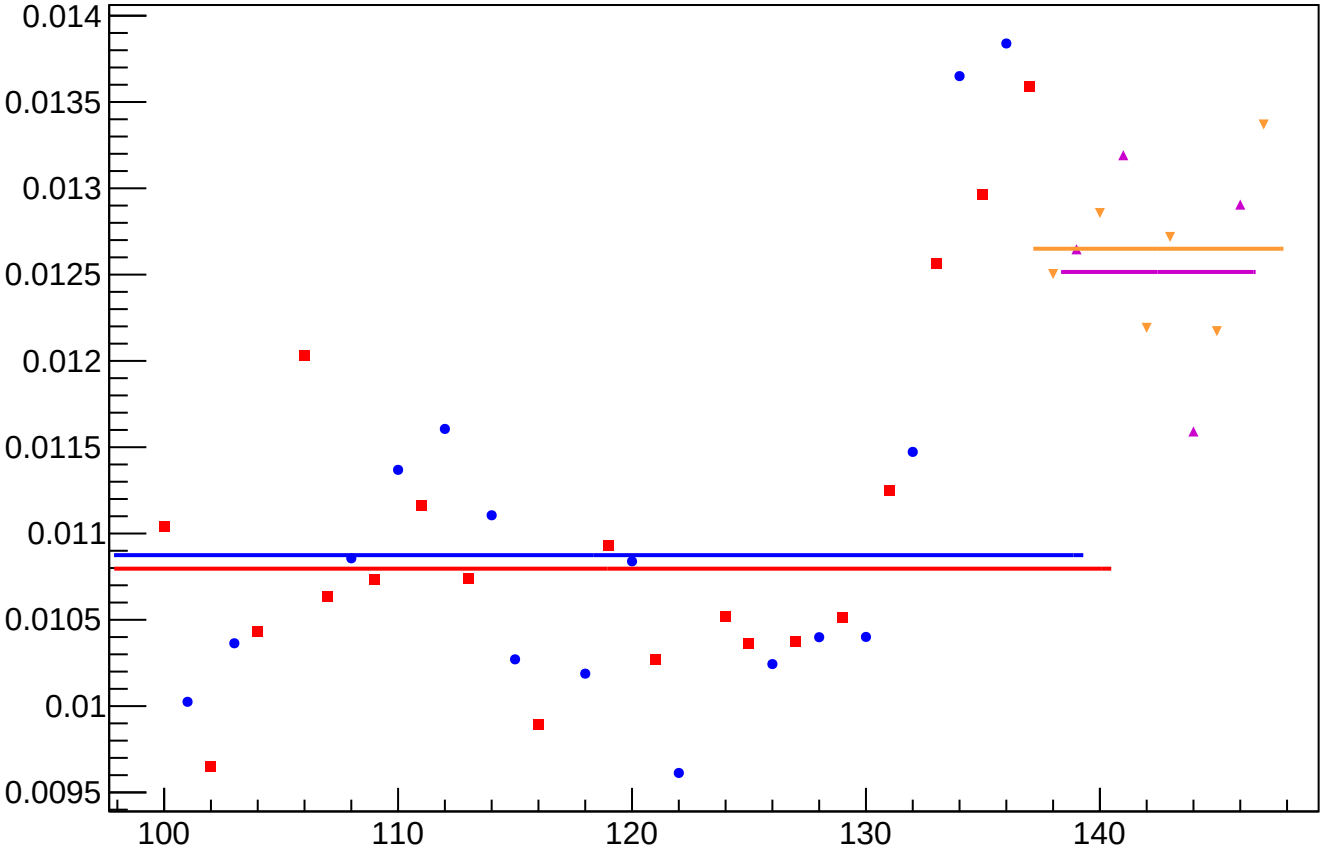
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.324+/-0.000 χ^2/NDF:64280544979.0/19

Out: -0.244+/-0.000 χ^2/NDF:73578463249.3/24

All: -0.282+/-0.000 χ^2/NDF: 138136596832.0

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:8945.8/5

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:17628.2/3

Left: 0.013+/-0.000 χ^2/NDF: 27017.6/9

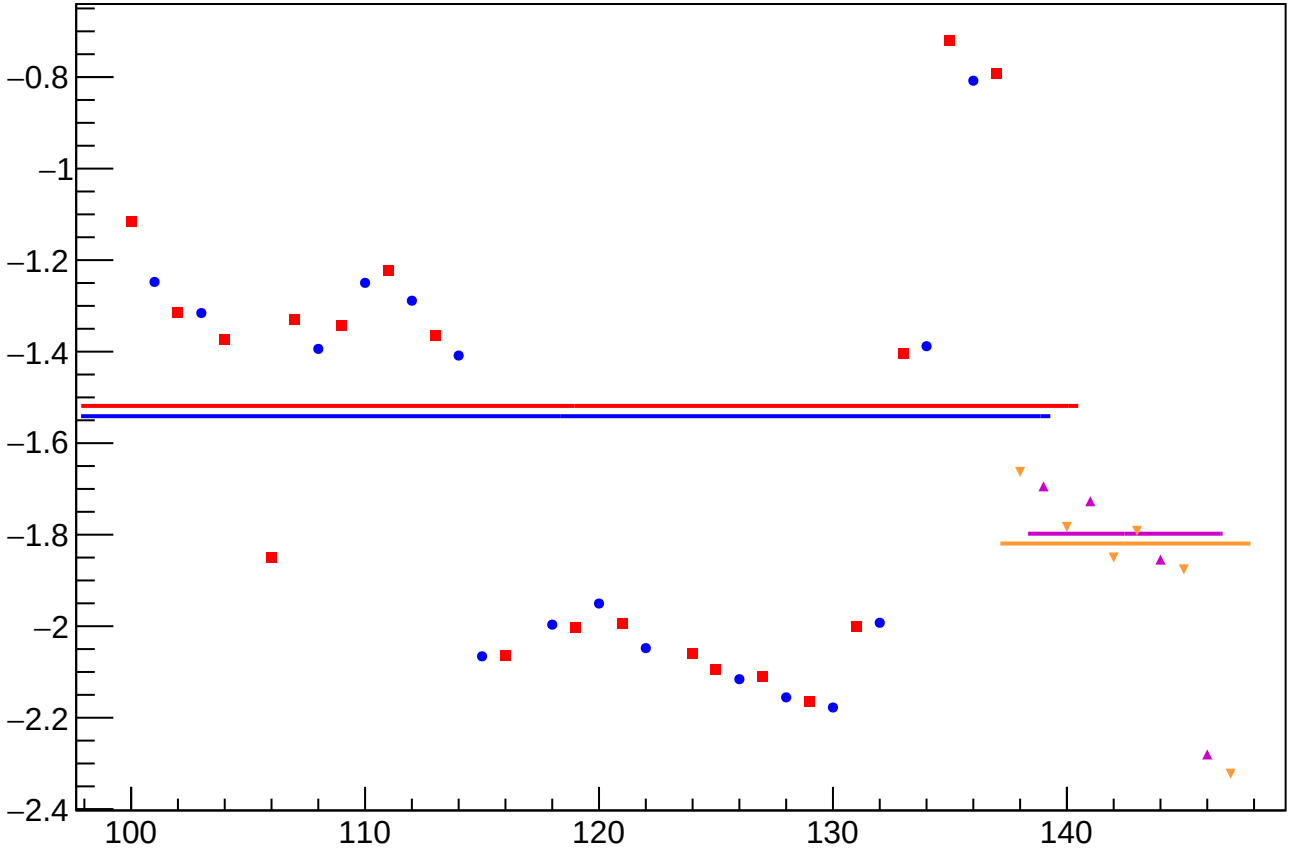
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.011+/-0.000 χ^2/NDF:261706.7/19

Out: 0.011+/-0.000 χ^2/NDF:239331.3/24

All: 0.011+/-0.000 χ^2/NDF: 501249.9/44

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.819+/-0.000 χ^2/NDF:11912023940.4/5

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -1.798+/-0.000 χ^2/NDF:7828905723.2/3

Left: -1.810+/-0.000 χ^2/NDF: 19819880679.5/9

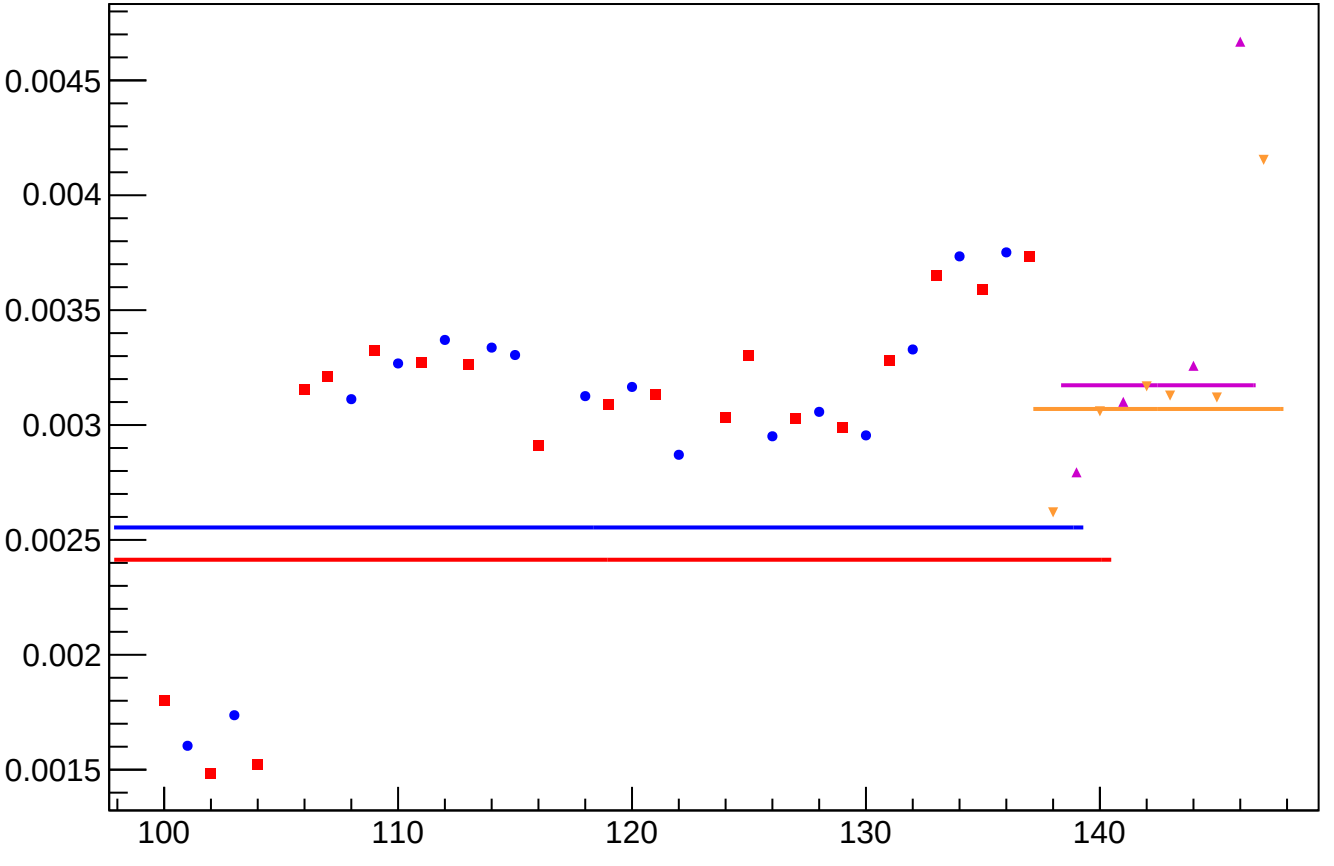
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.603+/-0.000 χ^2/NDF:184922214907.7/19

Out: -1.605+/-0.000 χ^2/NDF:183487391258.0/24

All: -1.604+/-0.000 χ^2/NDF: 368413934307.5

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:127618.8/5

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:147704.1/3

Left: 0.003+/-0.000 χ^2/NDF: 278962.2/9

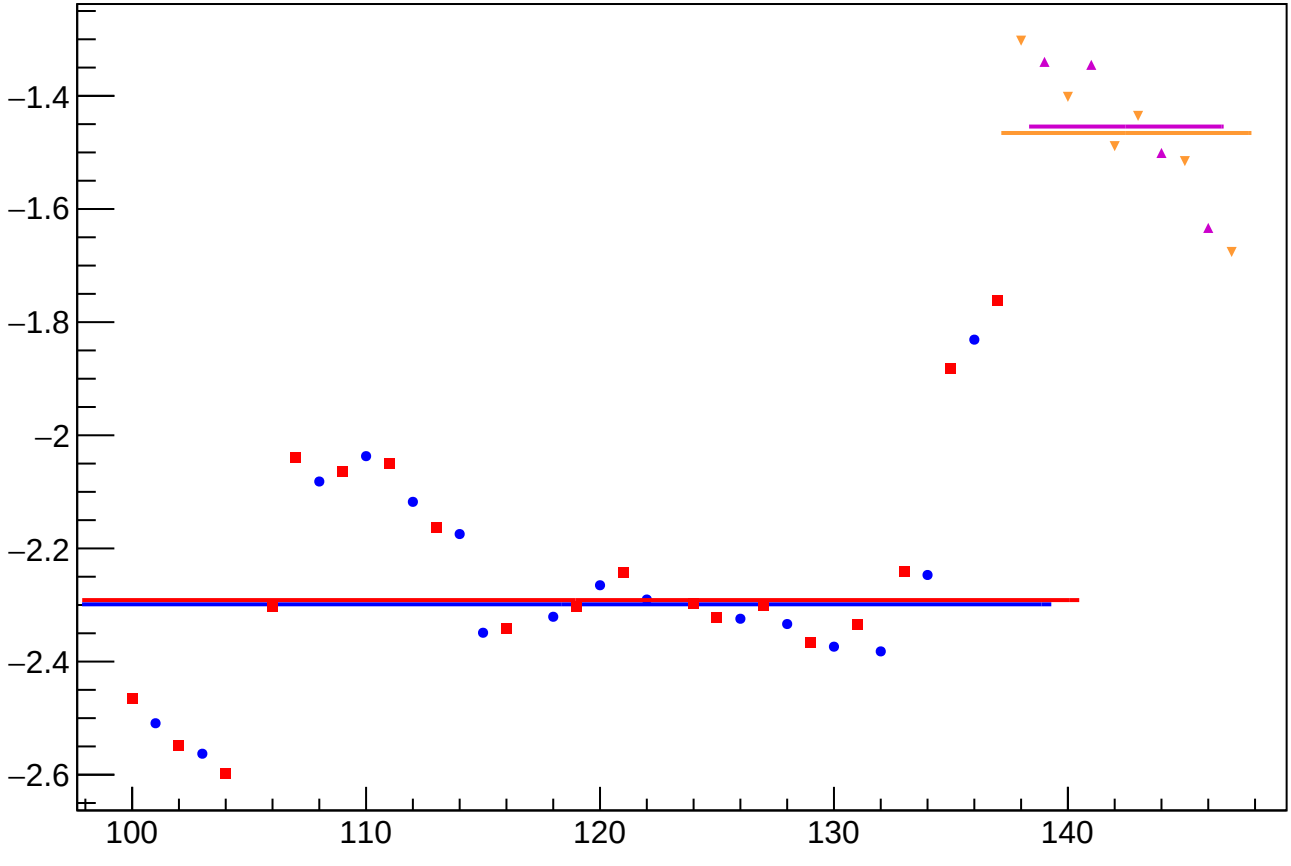
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:1490693.1/19

Out: 0.003+/-0.000 χ^2/NDF:1926720.6/24

All: 0.003+/-0.000 χ^2/NDF: 3430549.2/44

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.466+/-0.000 χ^2/NDF:759711462.5/5

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.454+/-0.000 χ^2/NDF:601150045.9/3

Left: -1.461+/-0.000 χ^2/NDF: 1364091876.2/9

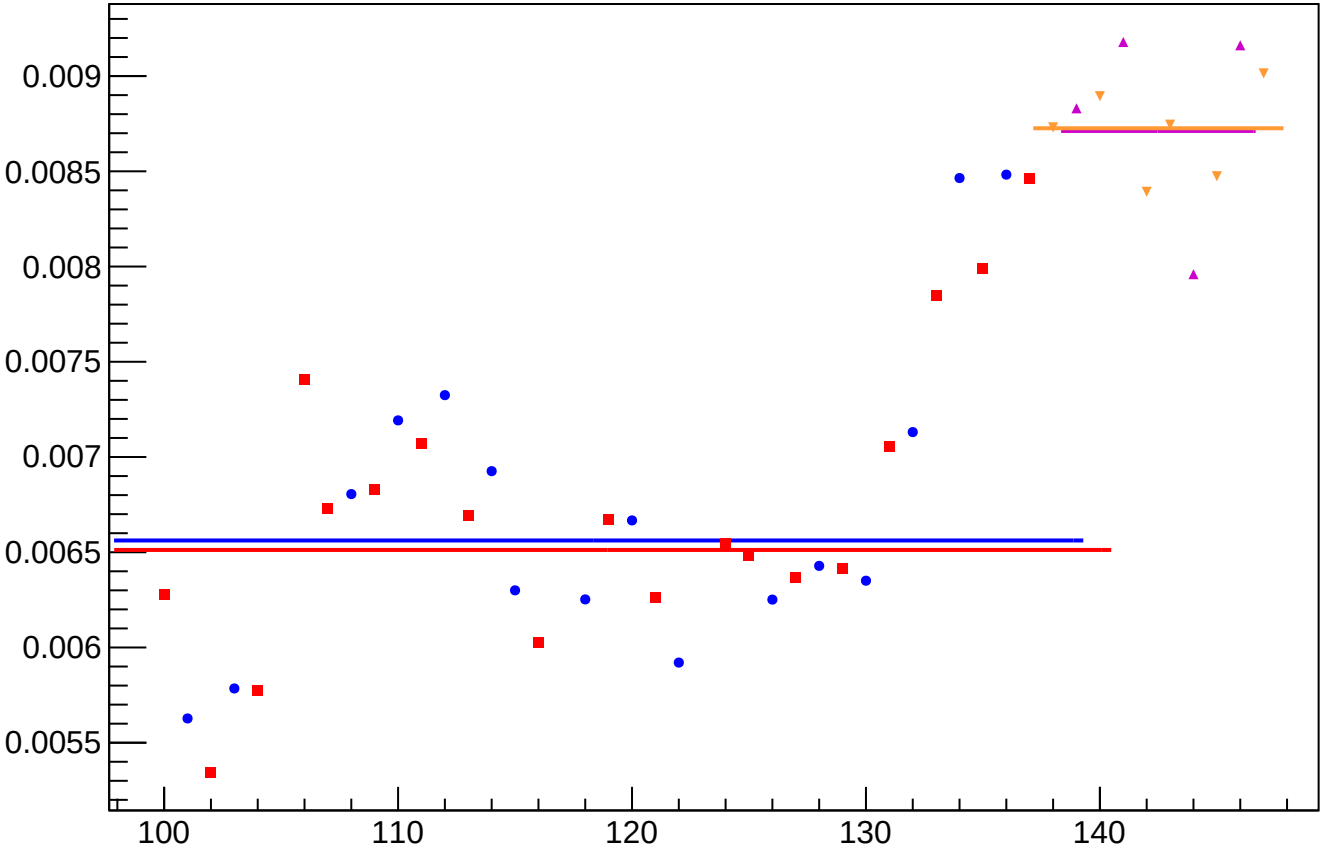
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.115+/-0.000 χ^2/NDF:31611077208.9/19

Out: -2.081+/-0.000 χ^2/NDF:36601110609.9/24

All: -2.098+/-0.000 χ^2/NDF: 68336319559.4/

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:4848.1/5

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:24390.2/3

Left: 0.009+/-0.000 χ^2/NDF: 29248.2/9

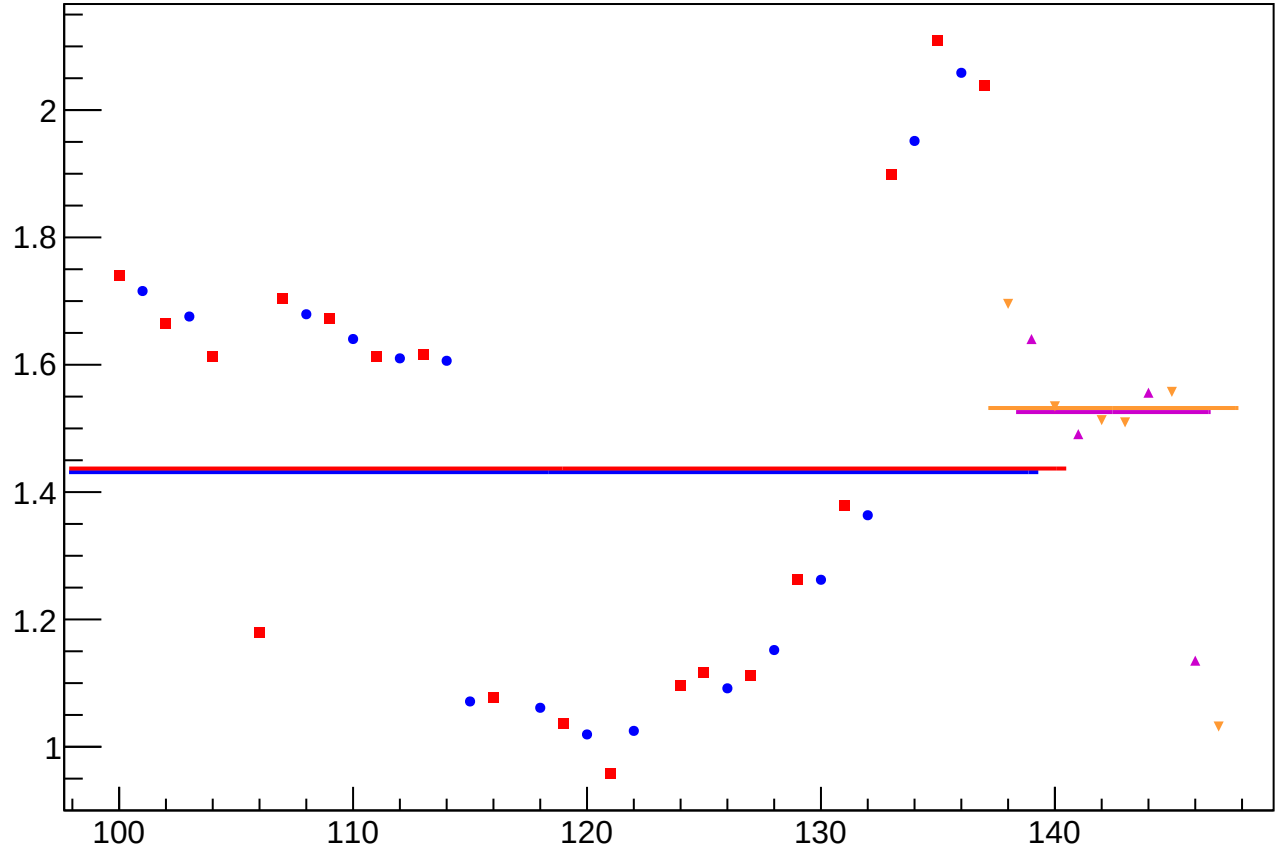
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:568832.2/19

Out: 0.007+/-0.000 χ^2/NDF:606927.6/24

All: 0.007+/-0.000 χ^2/NDF: 1176219.1/44

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.532+/-0.000 χ^2/NDF:4244553134.6/5

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.526+/-0.000 χ^2/NDF:2360331399.1/3

Left: 1.529+/-0.000 χ^2/NDF: 6607568103.1/9

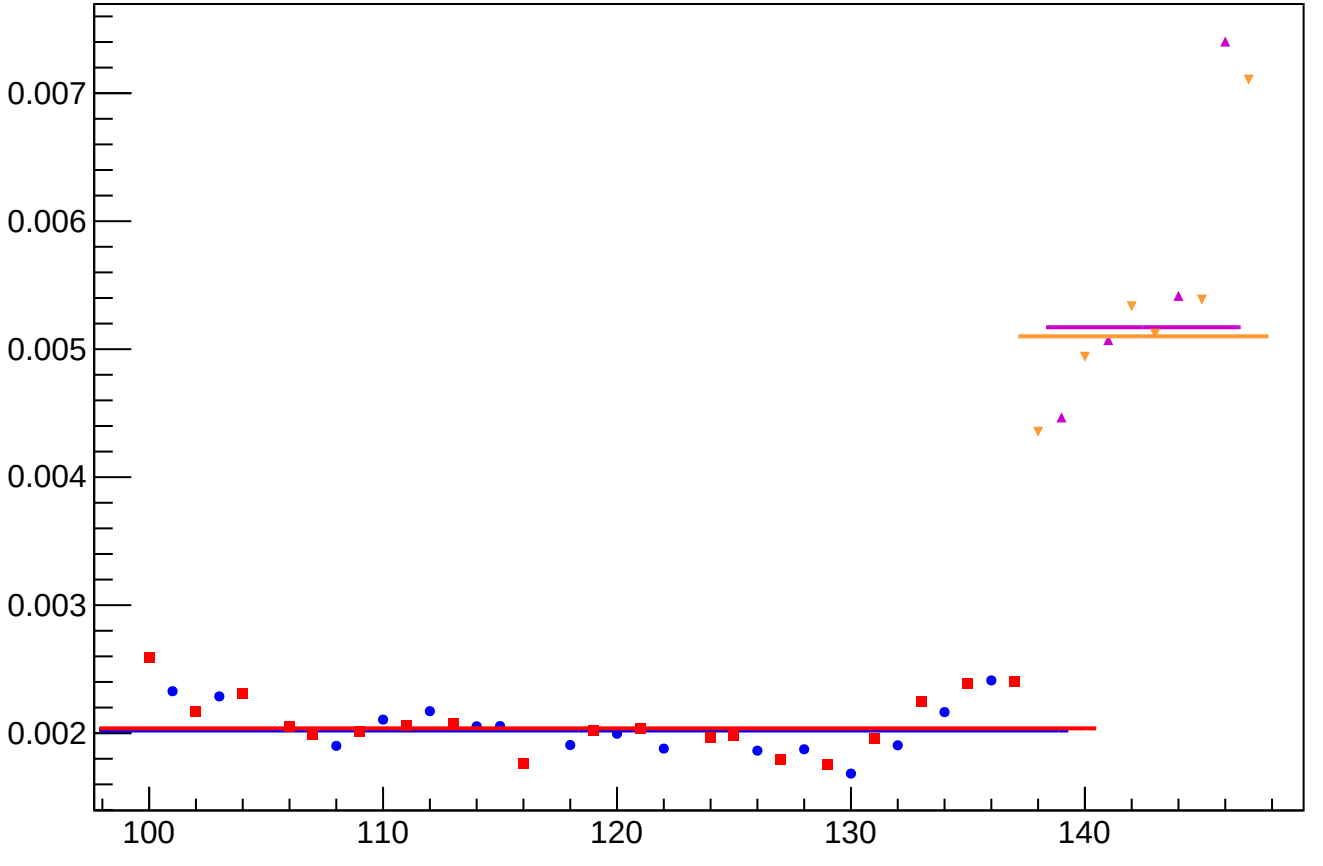
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.438+/-0.000 χ^2/NDF:192502673967.0/19

Out: 1.445+/-0.000 χ^2/NDF:187541589793.3/24

All: 1.441+/-0.000 χ^2/NDF: 380095830284.8

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:152509.9/5

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:159524.8/3

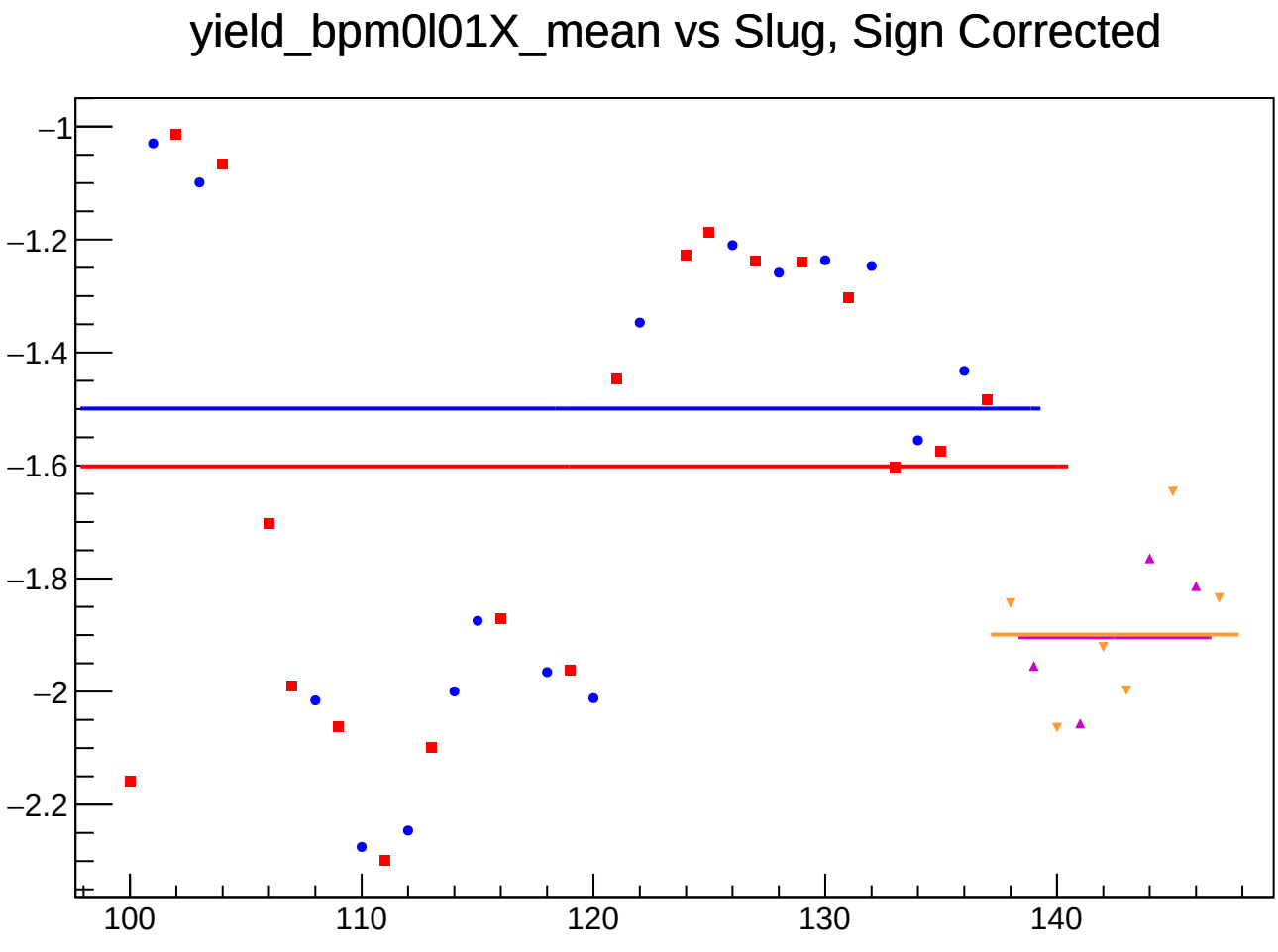
Left: 0.005+/-0.000 χ^2/NDF: 312698.3/9

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

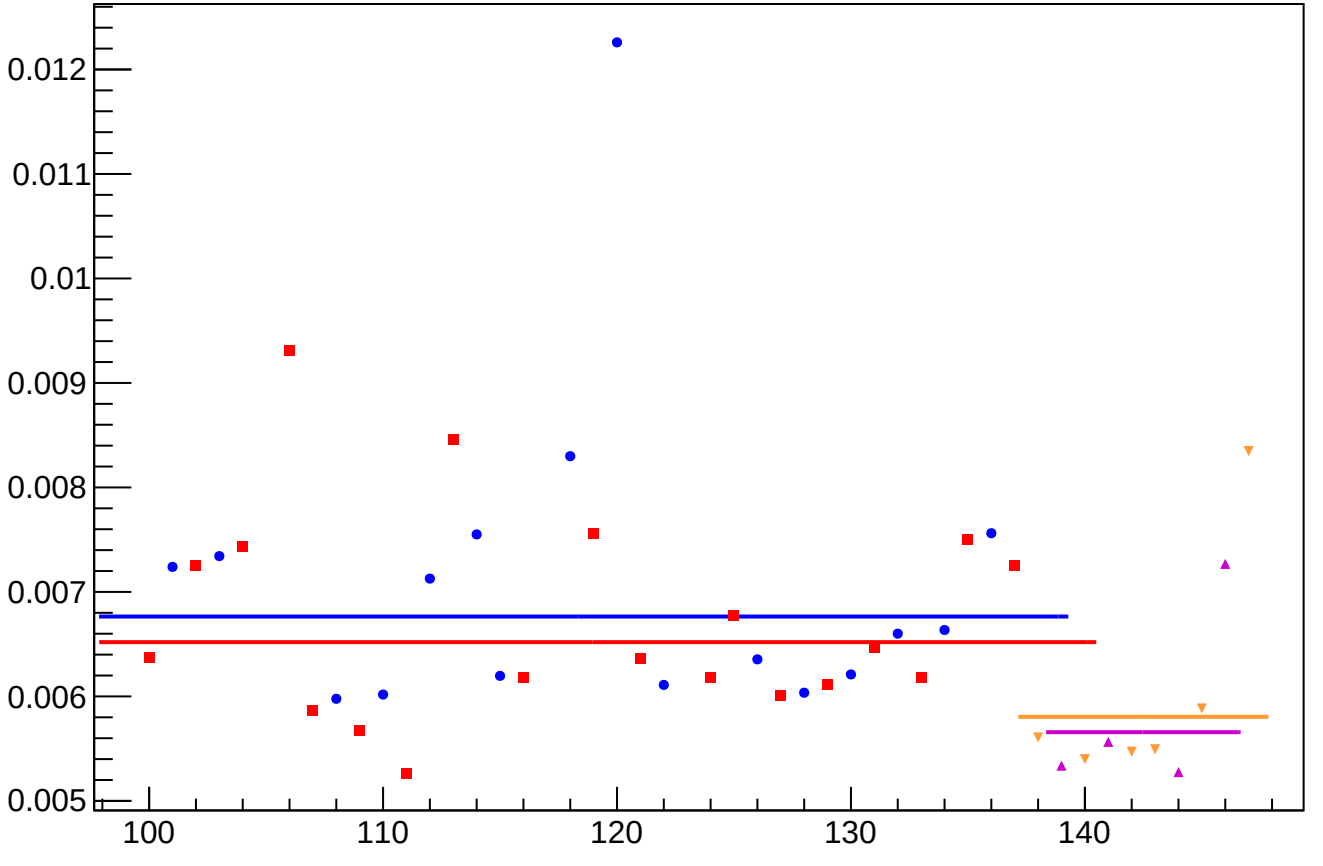
In: 0.002+/-0.000 χ^2/NDF:2459010.7/19

Out: 0.002+/-0.000 χ^2/NDF:2920554.0/24

All: 0.002+/-0.000 χ^2/NDF: 5388997.0/44


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.899+/-0.000 χ²/NDF:2544589556.3/5
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.904+/-0.000 χ²/NDF:1447416171.9/3
Left: -1.901+/-0.000 χ²/NDF: 3993272205.3/9
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.669+/-0.000 χ²/NDF:34120826111.7/19
Out: -1.731+/-0.000 χ²/NDF:37132683249.4/24
All: -1.703+/-0.000 χ²/NDF: 71763572906.1/

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:158605.1/5

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:91749.9/3

Left: 0.006+/-0.000 χ^2/NDF: 252793.4/9

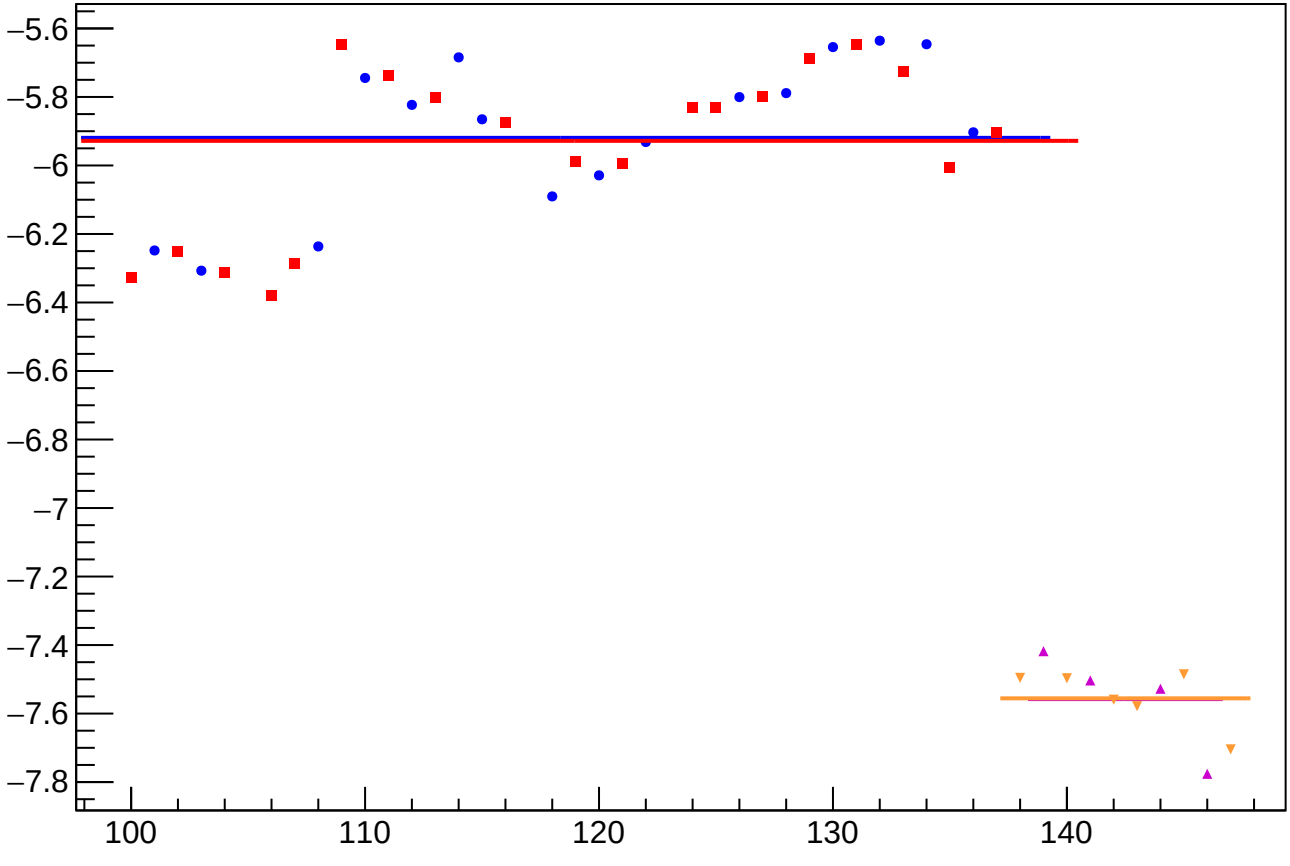
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.006+/-0.000 χ^2/NDF:476073.2/19

Out: 0.006+/-0.000 χ^2/NDF:476220.6/24

All: 0.006+/-0.000 χ^2/NDF: 954531.4/44

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.556+/-0.000 χ^2/NDF:237310298.5/5

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.558+/-0.000 χ^2/NDF:499201721.7/3

Left: -7.557+/-0.000 χ^2/NDF: 736588586.5/9

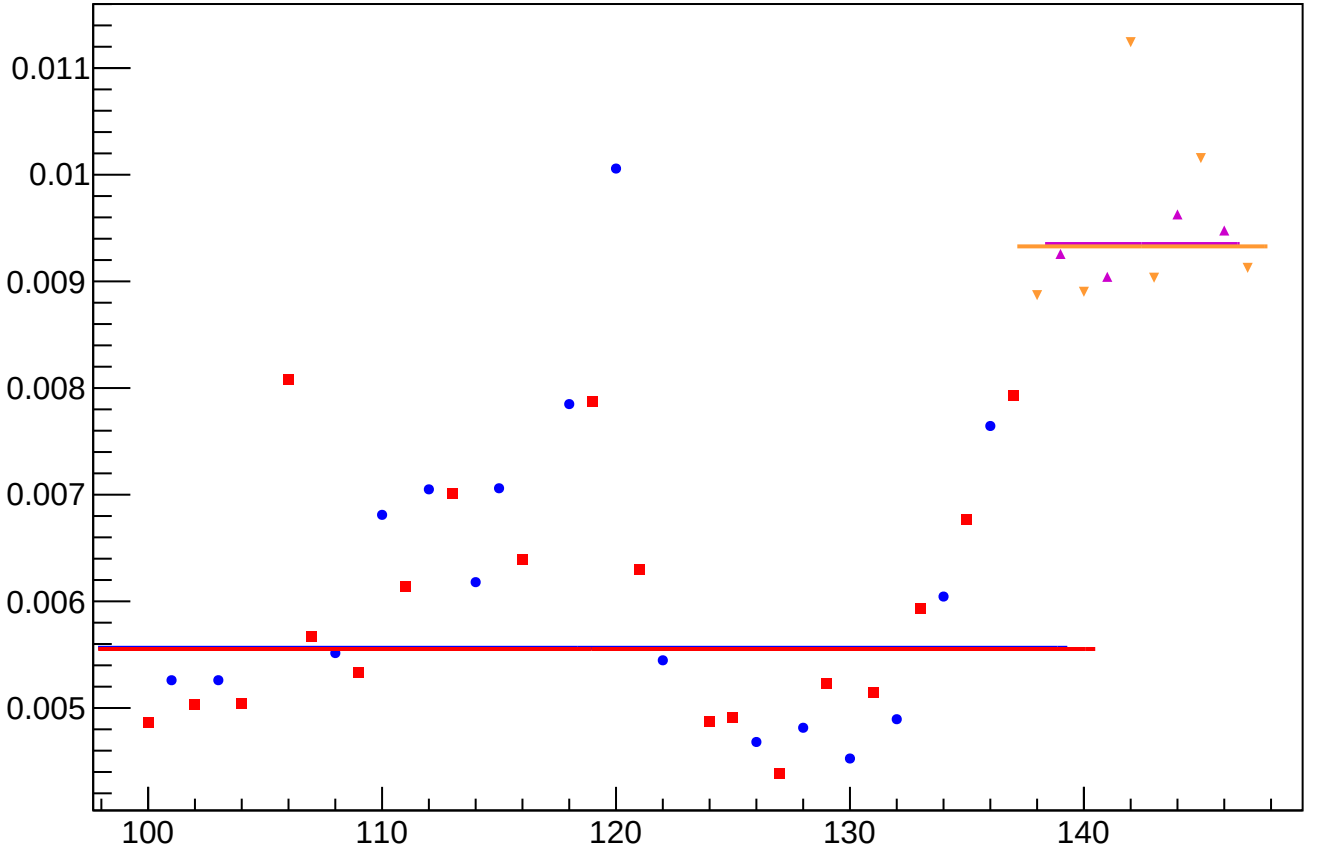
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.125+/-0.000 χ^2/NDF:78934311370.7/19

Out: -6.165+/-0.000 χ^2/NDF:93973461587.4/24

All: -6.146+/-0.000 χ^2/NDF: 173094989574.4

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:33256.5/5

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2849.1/3

Left: 0.009+/-0.000 χ^2/NDF: 36121.0/9

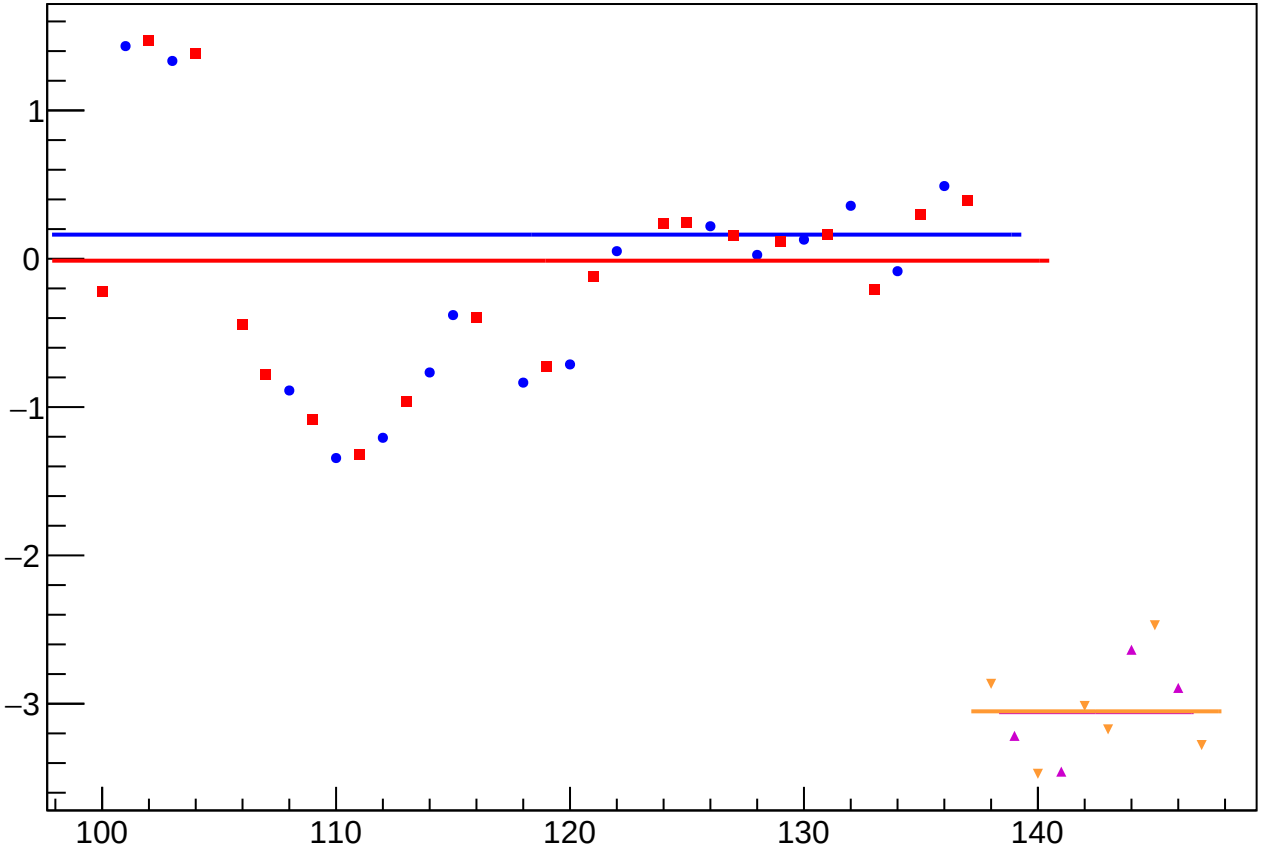
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:1210584.7/19

Out: 0.006+/-0.000 χ^2/NDF:1270395.7/24

All: 0.006+/-0.000 χ^2/NDF: 2481912.2/44

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.051+/-0.000 χ^2/NDF:1333946063.3/5

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.057+/-0.000 χ^2/NDF:1014189242.4/3

Left: -3.054+/-0.000 χ^2/NDF: 2348296071.4/9

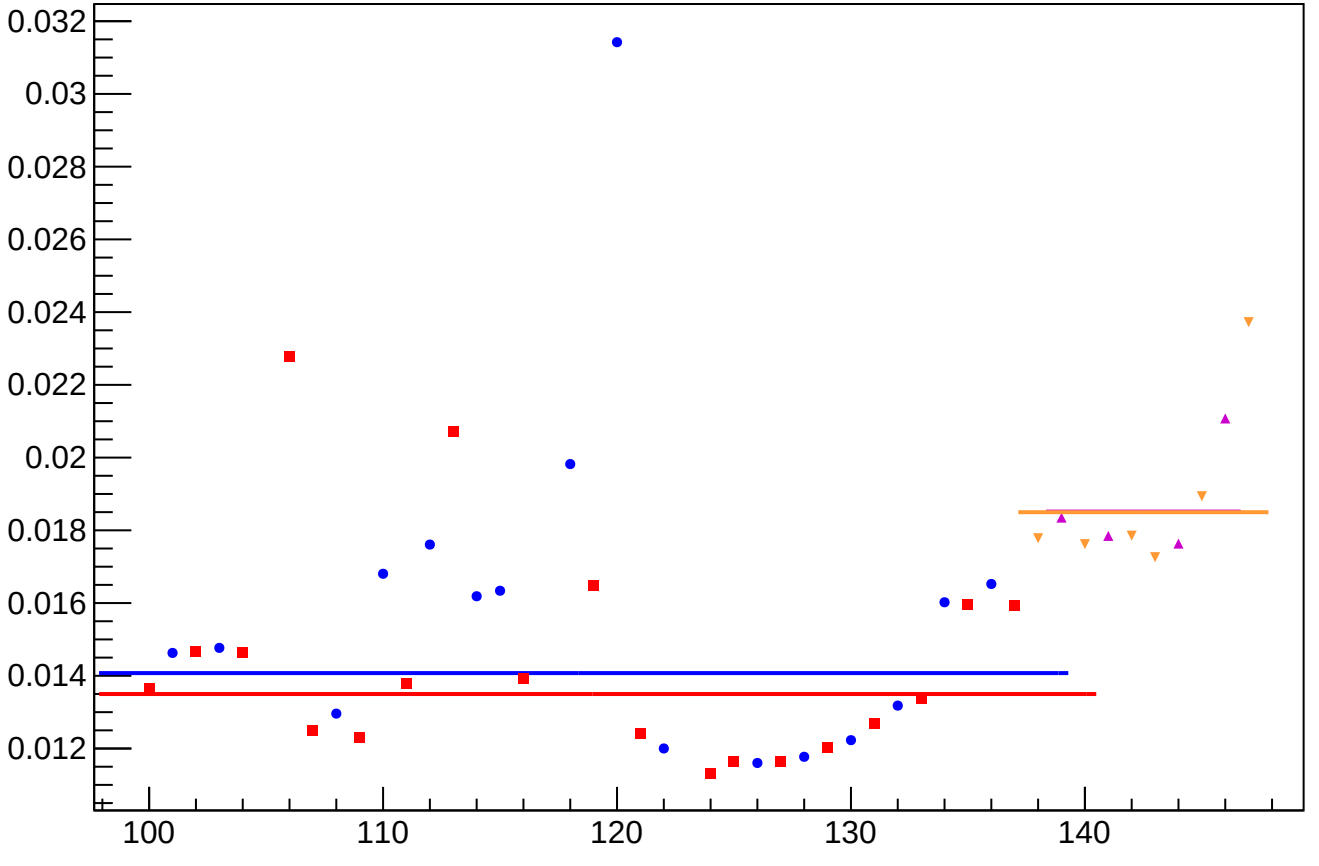
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -0.579+/-0.000 χ^2/NDF:94977767969.6/19

Out: -0.758+/-0.000 χ^2/NDF:107975494994.3/24

All: -0.676+/-0.000 χ^2/NDF: 203672653935.6

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:88637.6/5

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.019+/-0.000 χ^2/NDF:29979.8/3

Left: 0.019+/-0.000 χ^2/NDF: 118620.5/9

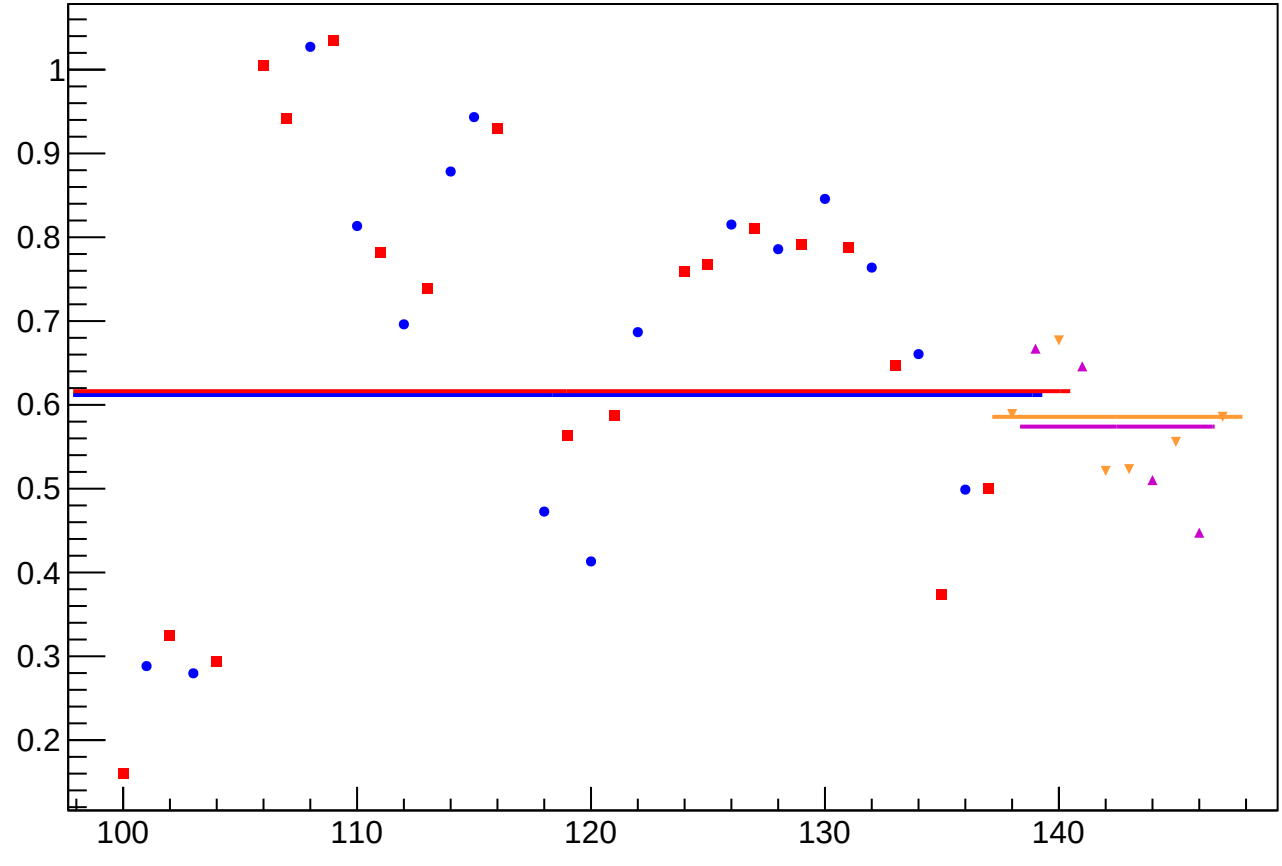
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.015+/-0.000 χ^2/NDF:784702.1/19

Out: 0.015+/-0.000 χ^2/NDF:859214.7/24

All: 0.015+/-0.000 χ^2/NDF: 1650175.9/44

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.586+/-0.000 χ^2/NDF:162278562.7/5

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.574+/-0.000 χ^2/NDF:325640361.0/3

Left: 0.581+/-0.000 χ^2/NDF: 491075463.0/9

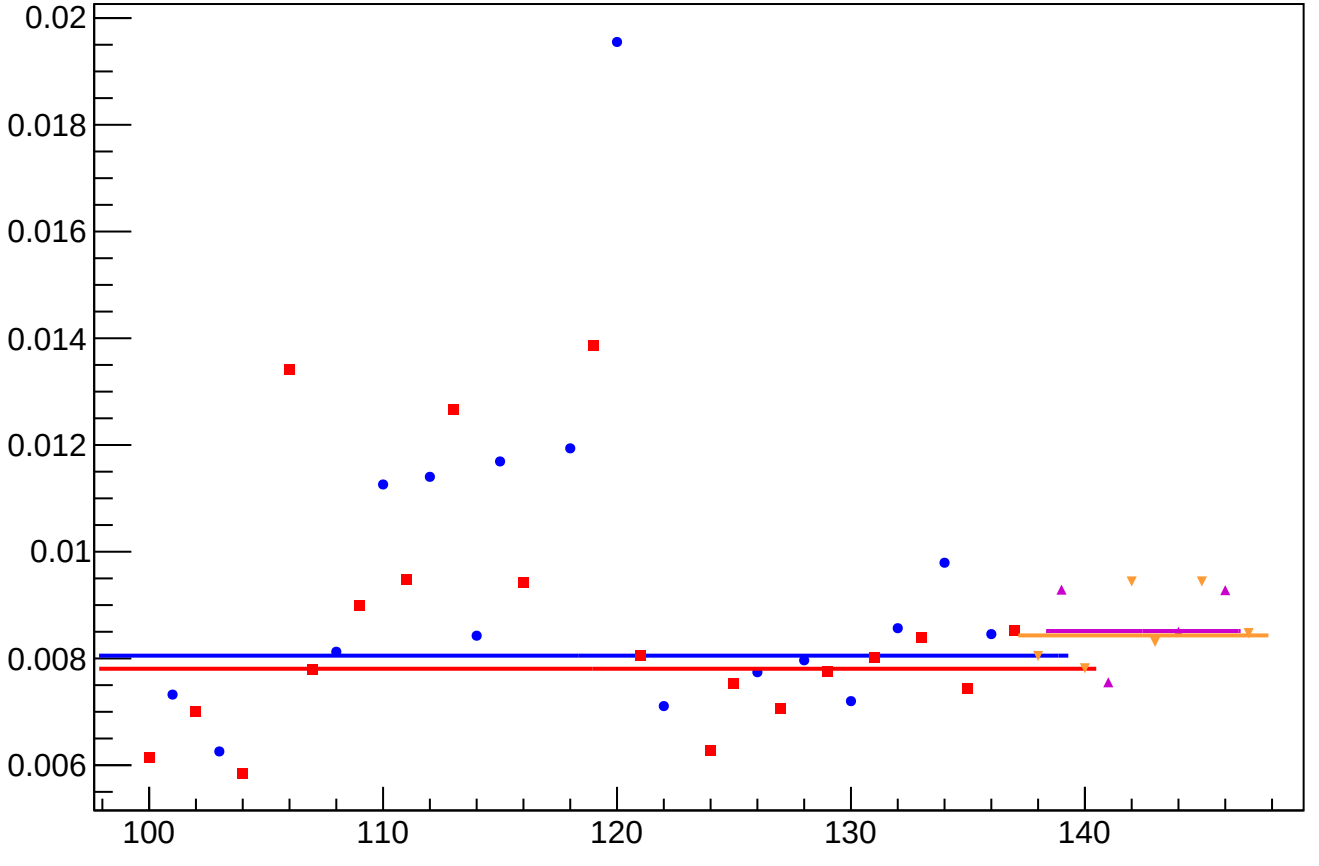
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.600+/-0.000 χ^2/NDF:6005626497.6/19

Out: 0.606+/-0.000 χ^2/NDF:6614965588.2/24

All: 0.603+/-0.000 χ^2/NDF: 12623029468.8/4

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:36263.4/5

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:45461.4/3

Left: 0.008+/-0.000 χ^2/NDF: 82041.3/9

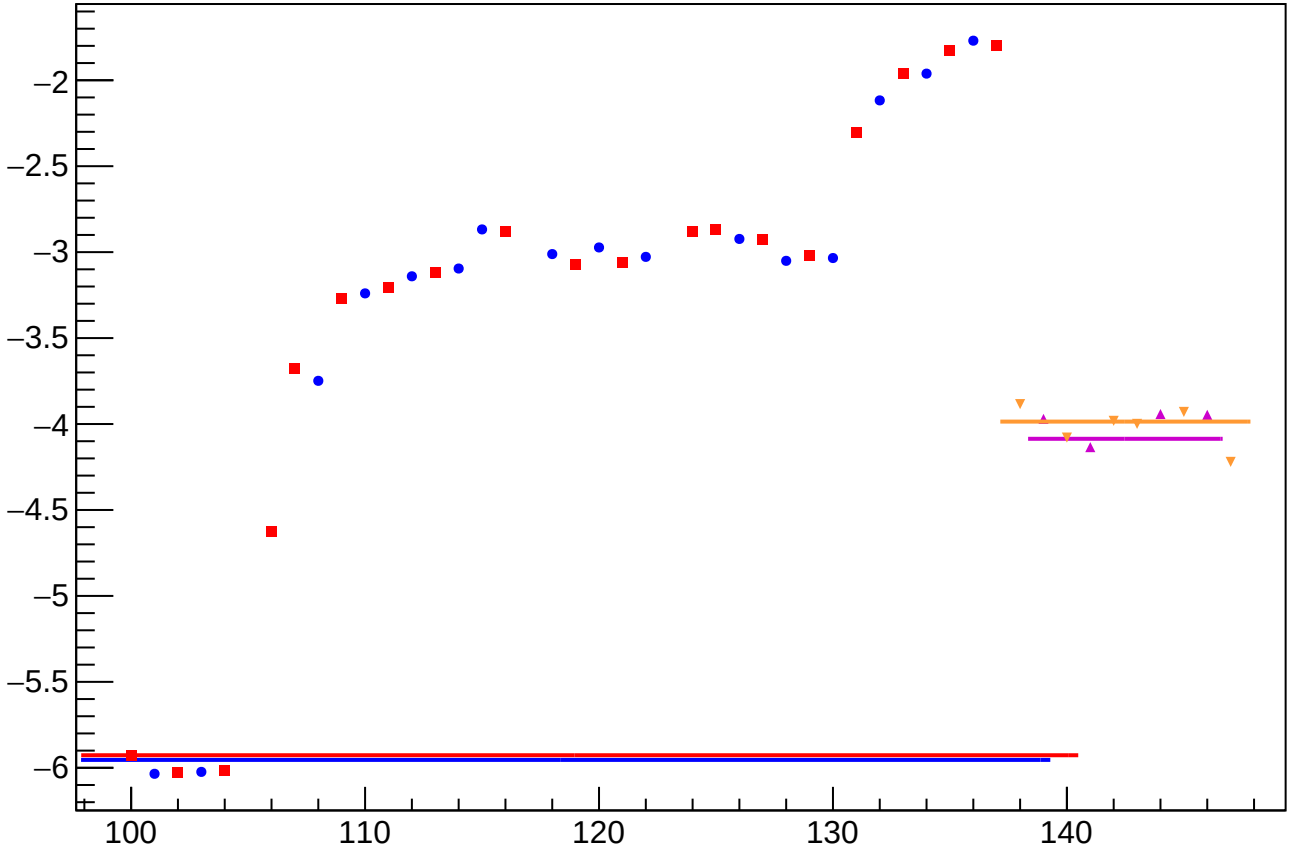
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:656045.8/19

Out: 0.008+/-0.000 χ^2/NDF:651008.3/24

All: 0.008+/-0.000 χ^2/NDF: 1311609.3/44

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -3.986+/-0.000 χ^2/NDF:4641769.5/5

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.086+/-0.000 χ^2/NDF:6013821.1/3

Left: -4.049+/-0.000 χ^2/NDF: 14108415.3/9

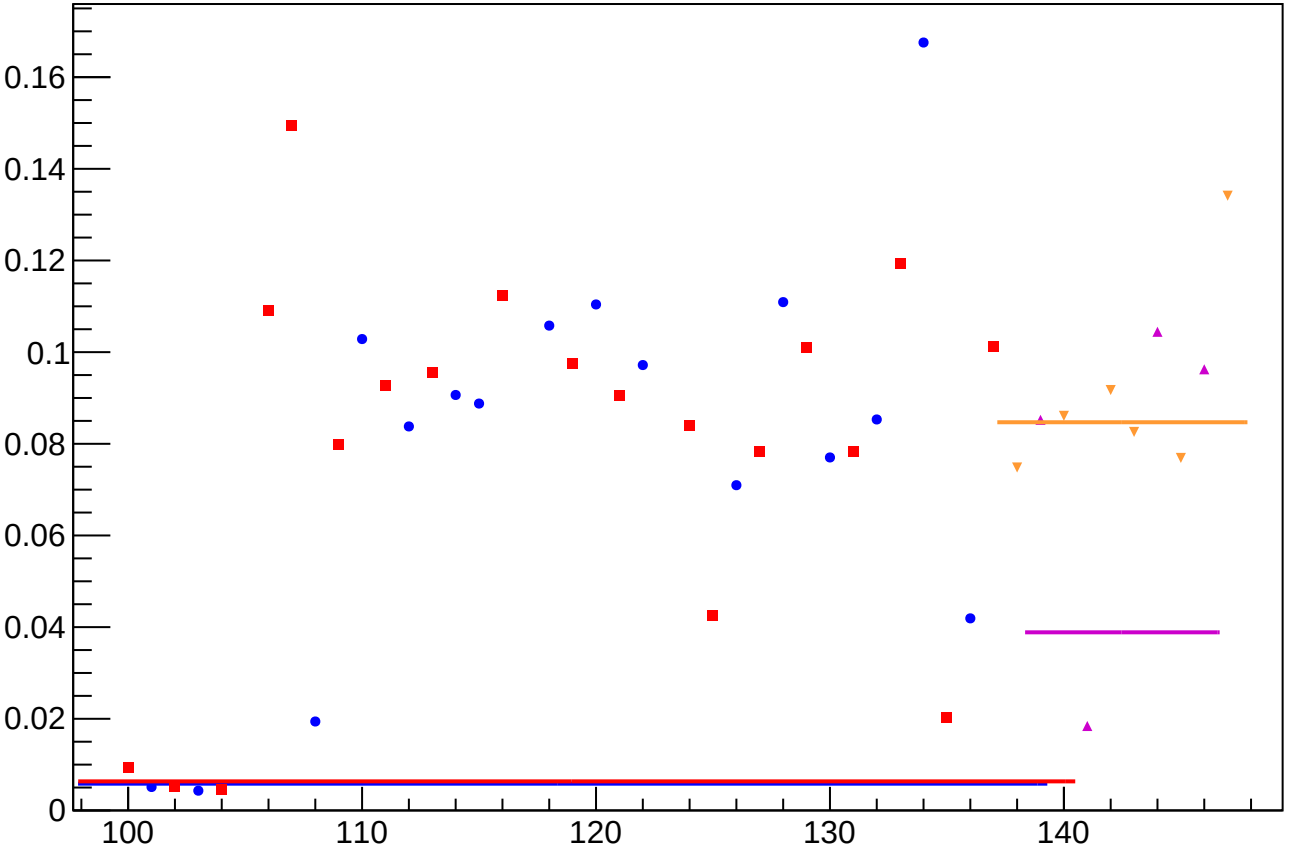
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.921+/-0.000 χ^2/NDF:16292770755.9/19

Out: -5.902+/-0.000 χ^2/NDF:15963851820.1/24

All: -5.912+/-0.000 χ^2/NDF: 32265025891.1/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.085+/-0.000 χ^2/NDF:236200.6/5

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.039+/-0.000 χ^2/NDF:2158450.8/3

Left: 0.056+/-0.000 χ^2/NDF: 3842598.8/9

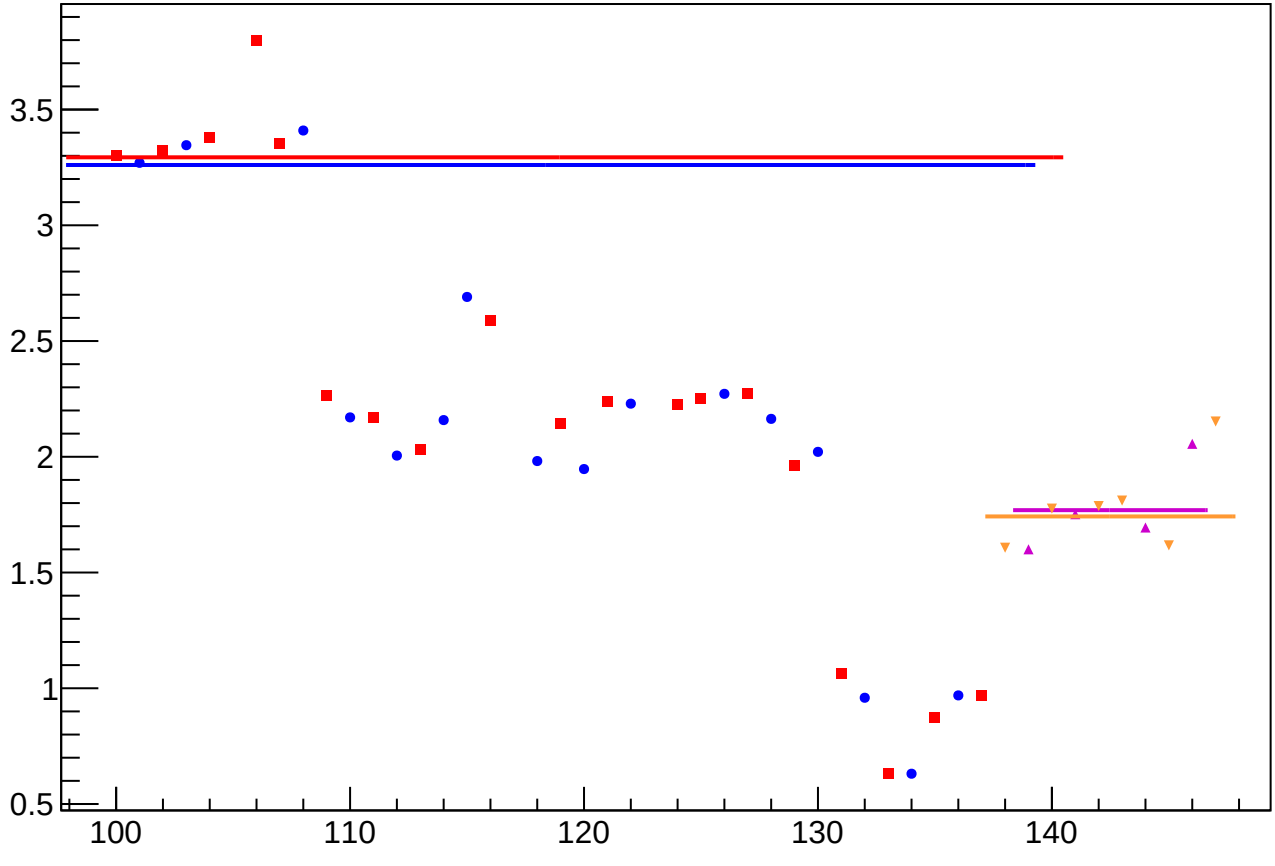
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.006+/-0.000 χ^2/NDF:12850812.3/19

Out: 0.007+/-0.000 χ^2/NDF:15625296.7/24

All: 0.007+/-0.000 χ^2/NDF: 28515737.4/44

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.742+/-0.000 χ^2/NDF:10343885.5/5

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.769+/-0.000 χ^2/NDF:8822787.7/3

Left: 1.756+/-0.000 χ^2/NDF: 19339162.1/9

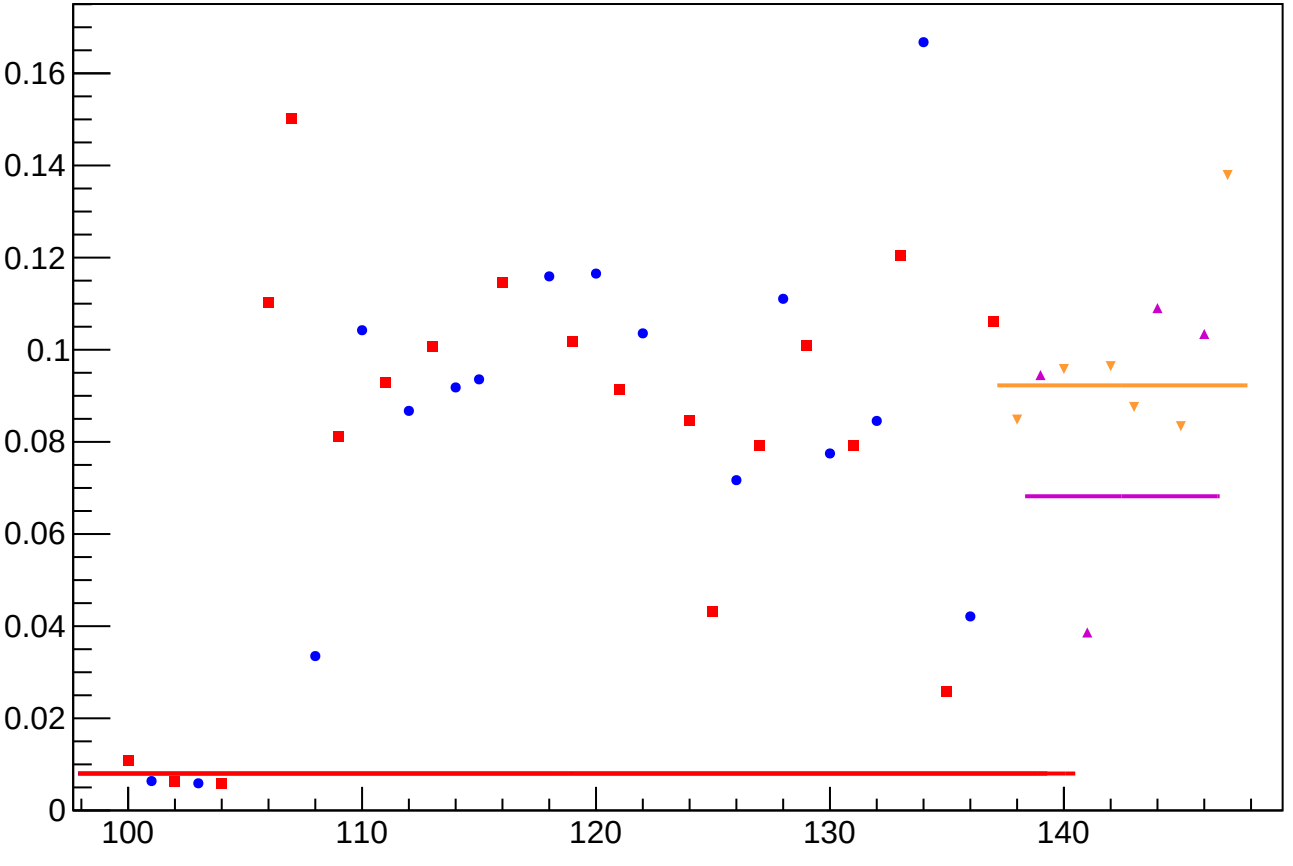
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.238+/-0.000 χ^2/NDF:4045551108.4/19

Out: 3.269+/-0.000 χ^2/NDF:4364108790.0/24

All: 3.253+/-0.000 χ^2/NDF: 8424272568.4/44

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.092+/-0.000 χ^2/NDF:190025.2/5

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.068+/-0.000 χ^2/NDF:958378.3/3

Left: 0.080+/-0.000 χ^2/NDF: 1419948.7/9

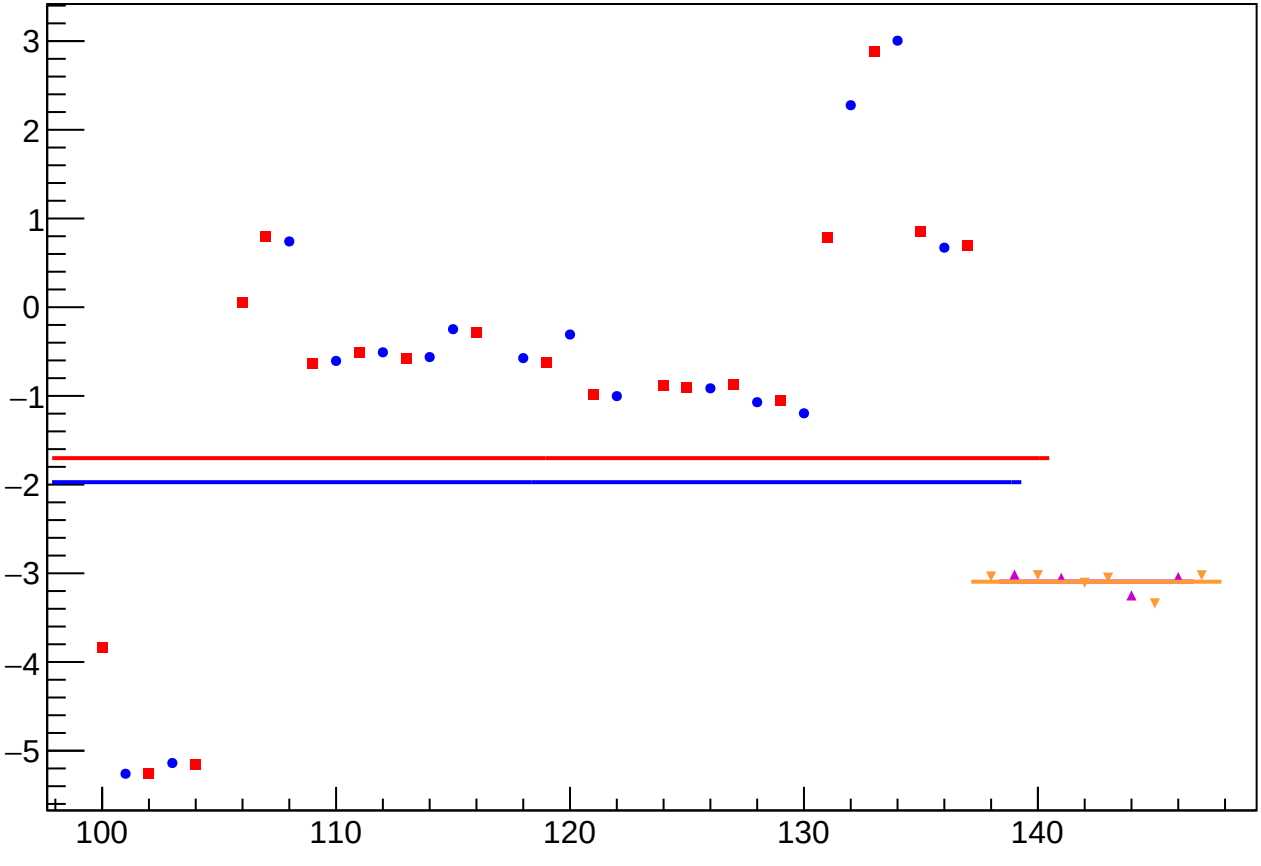
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.009+/-0.000 χ^2/NDF:12719847.4/19

Out: 0.009+/-0.000 χ^2/NDF:15279292.3/24

All: 0.009+/-0.000 χ^2/NDF: 28004755.5/44

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.095+/-0.000 χ^2/NDF:960517268.3/5

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -3.093+/-0.000 χ^2/NDF:503874109.6/3

Left: -3.094+/-0.000 χ^2/NDF: 1464493170.4/9

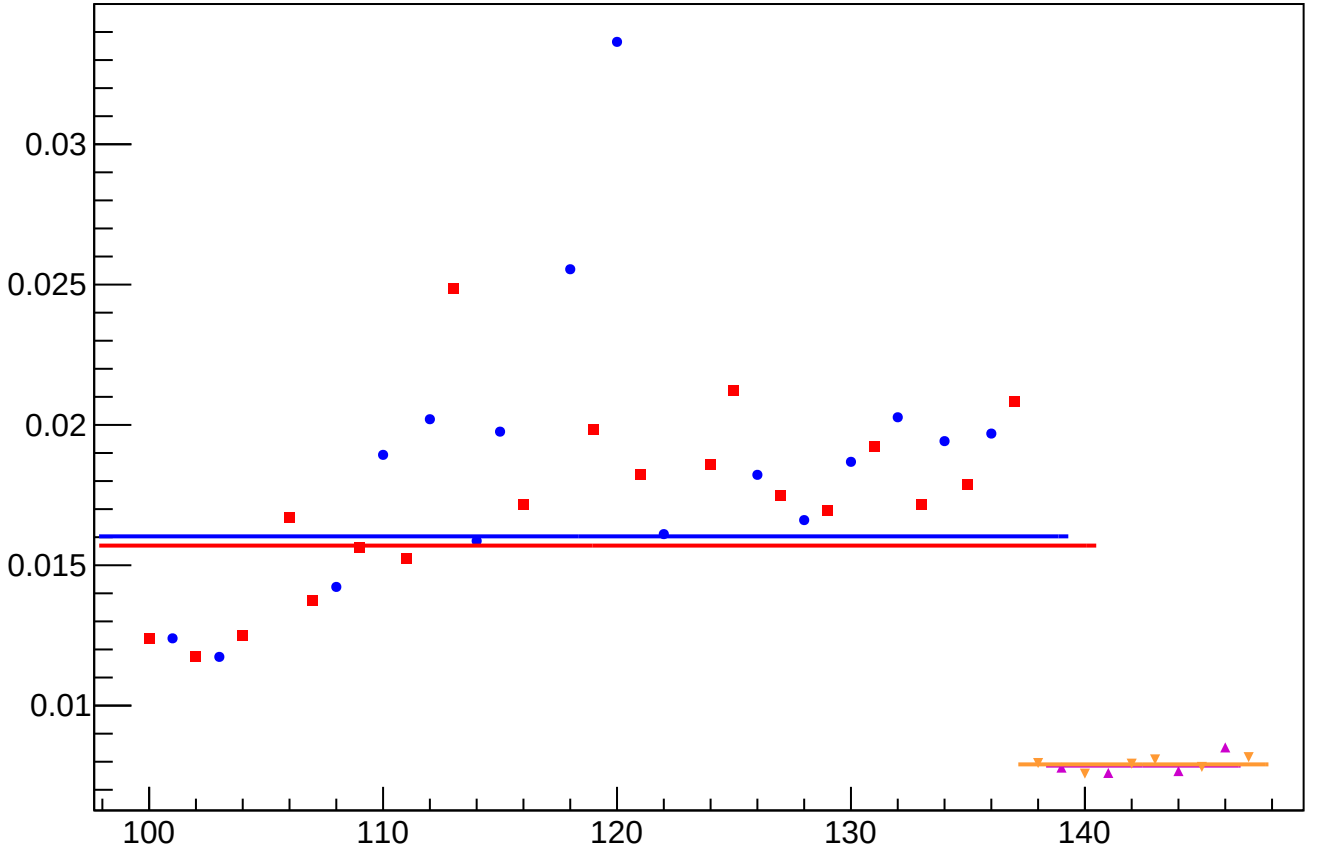
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.767+/-0.000 χ^2/NDF:182629594360.7/19

Out: -2.716+/-0.000 χ^2/NDF:205621837505.1/24

All: -2.739+/-0.000 χ^2/NDF: 388361553514.2

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:5700.0/5

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:13276.2/3

Left: 0.008+/-0.000 χ^2/NDF: 19096.5/9

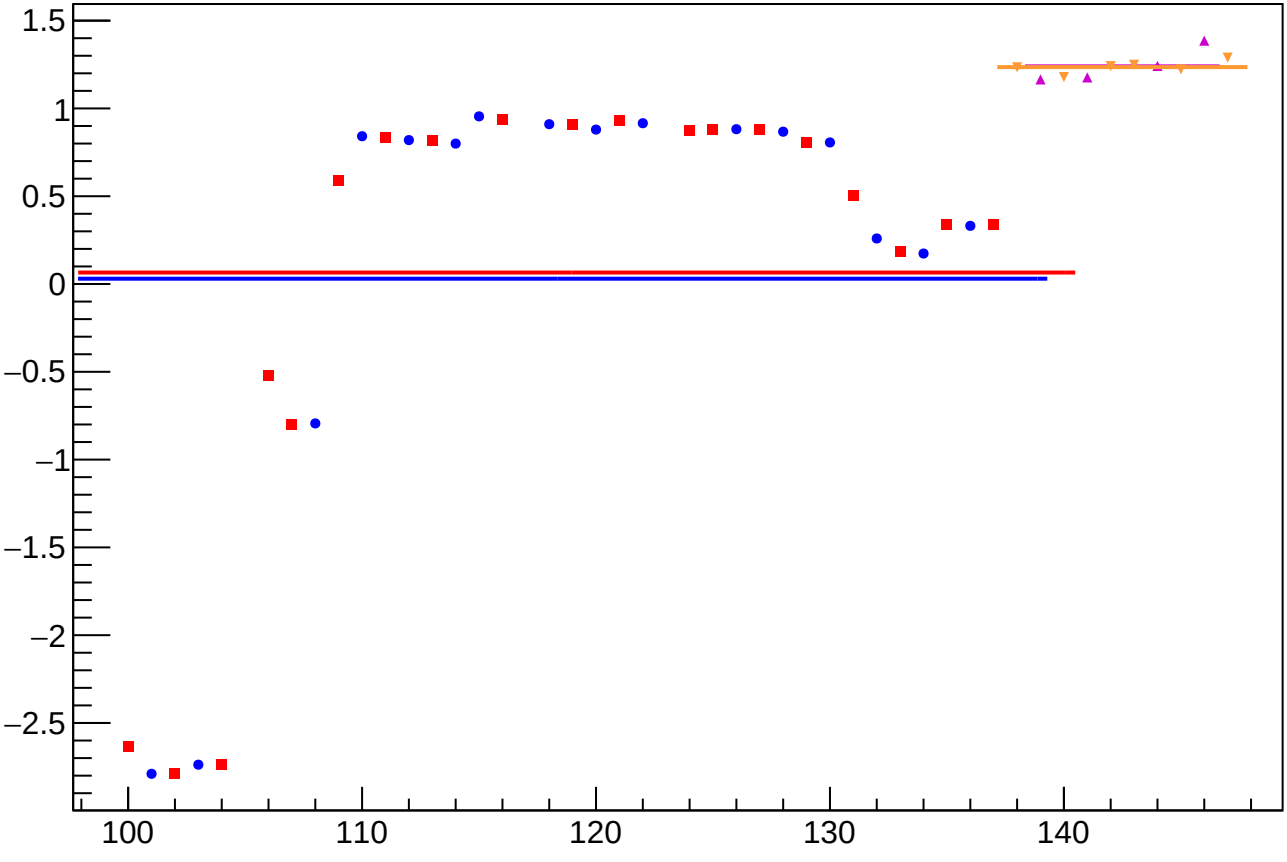
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:2892492.8/19

Out: 0.010+/-0.000 χ^2/NDF:2796898.8/24

All: 0.010+/-0.000 χ^2/NDF: 5693339.4/44

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.235+/-0.000 χ^2/NDF:73491277.9/5

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 1.240+/-0.000 χ^2/NDF:333245511.5/3

Left: 1.237+/-0.000 χ^2/NDF: 407187290.7/9

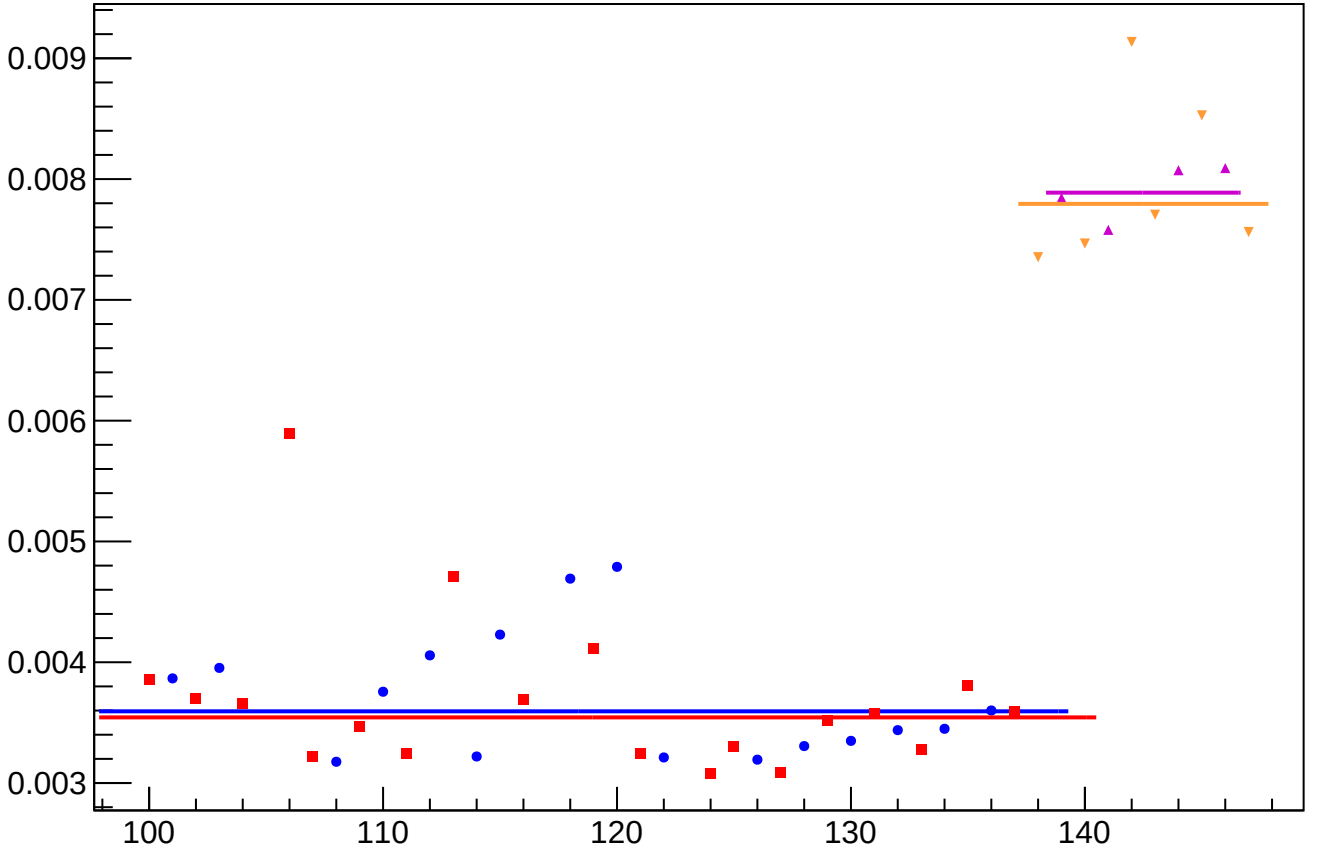
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.126+/-0.000 χ^2/NDF:912364356601.3/19

Out: 0.175+/-0.000 χ^2/NDF:1007018943756.1/24

All: 0.151+/-0.000 χ^2/NDF: 1920076029096.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:33179.4/5

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:4019.3/3

Left: 0.008+/-0.000 χ^2/NDF: 37632.9/9

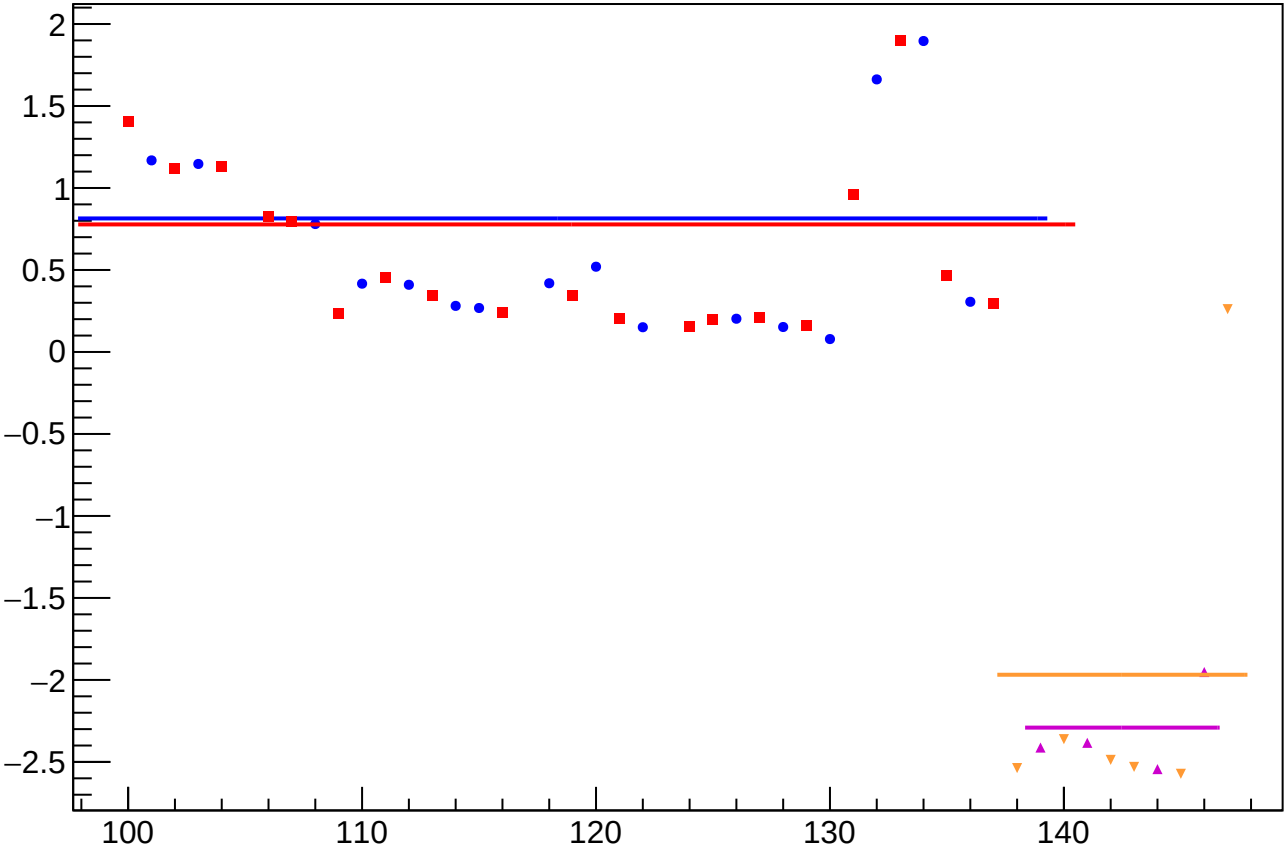
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:1706206.8/19

Out: 0.004+/-0.000 χ^2/NDF:2145084.4/24

All: 0.004+/-0.000 χ^2/NDF: 3851313.9/44

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -1.968+/-0.000 χ^2/NDF:84991787571.0/5

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -2.291+/-0.000 χ^2/NDF:3391664809.1/3

Left: -2.114+/-0.000 χ^2/NDF: 91741603658.6/9

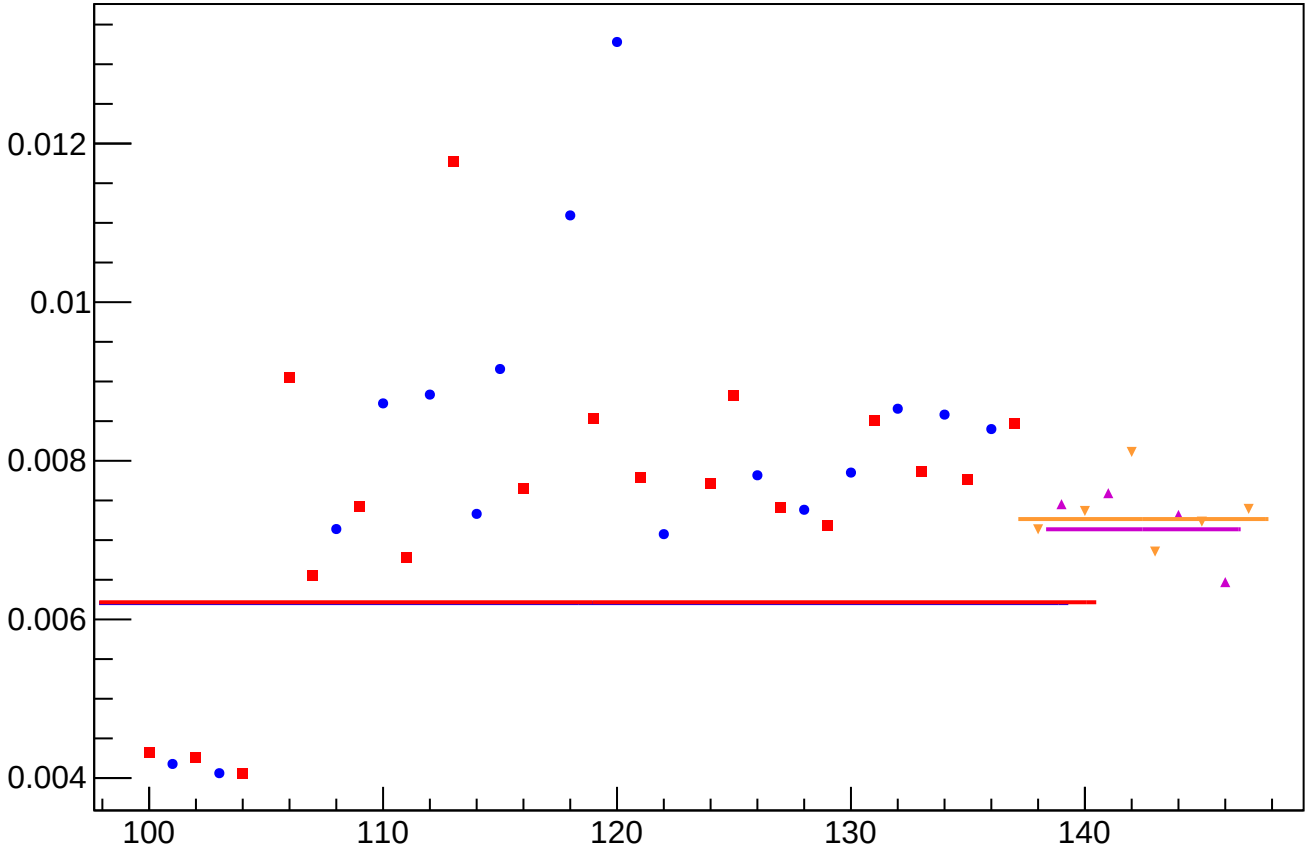
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: -0.087+/-0.000 χ^2/NDF:442526201414.0/19

Out: -0.087+/-0.000 χ^2/NDF:488615730640.2/24

All: -0.087+/-0.000 χ^2/NDF: 931141932915.5

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:13835.3/5

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:25645.0/3

Left: 0.007+/-0.000 χ^2/NDF: 40555.0/9

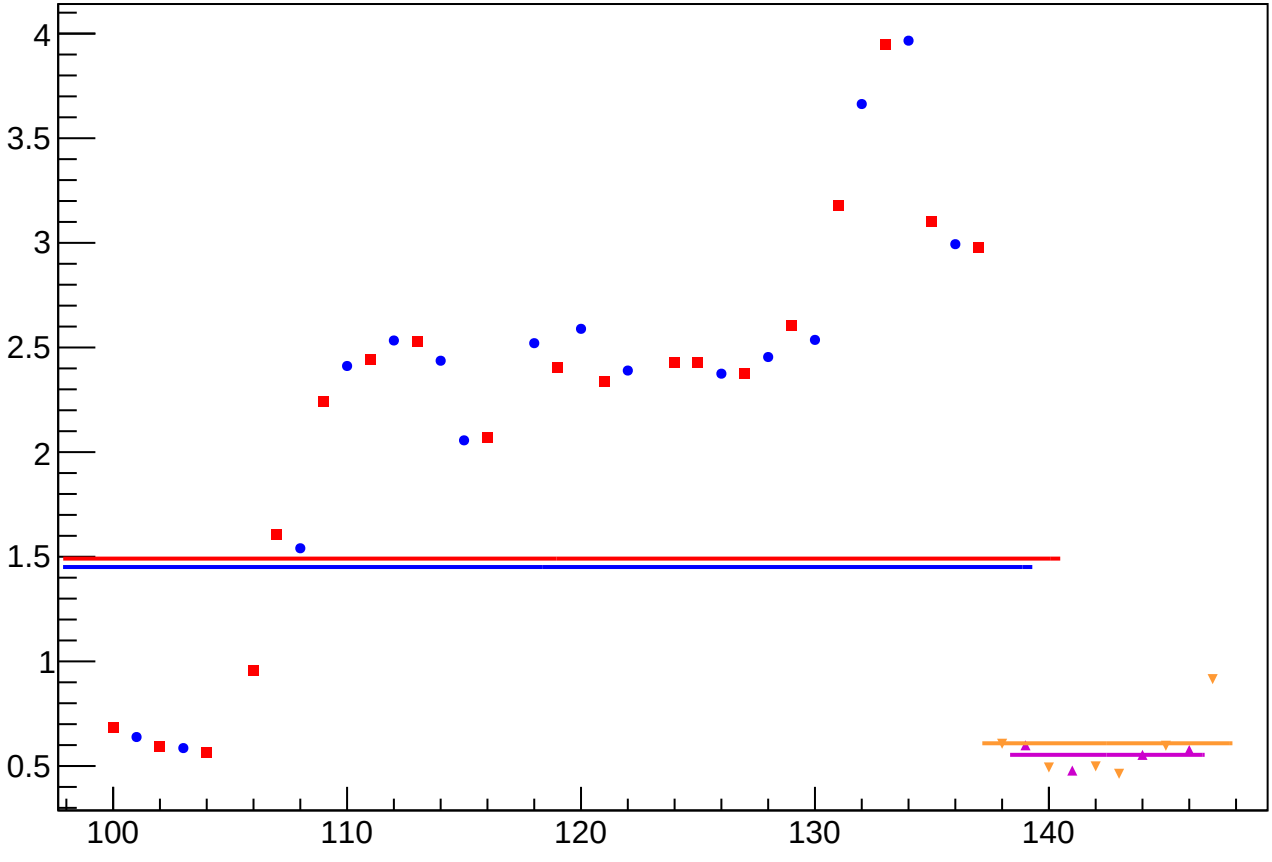
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1522047.1/19

Out: 0.007+/-0.000 χ^2/NDF:1282681.3/24

All: 0.007+/-0.000 χ^2/NDF: 2805796.4/44

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.609+/-0.000 χ^2/NDF:1733512703.6/5

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 0.553+/-0.000 χ^2/NDF:111602524.9/3

Left: 0.584+/-0.000 χ^2/NDF: 1943622154.6/9

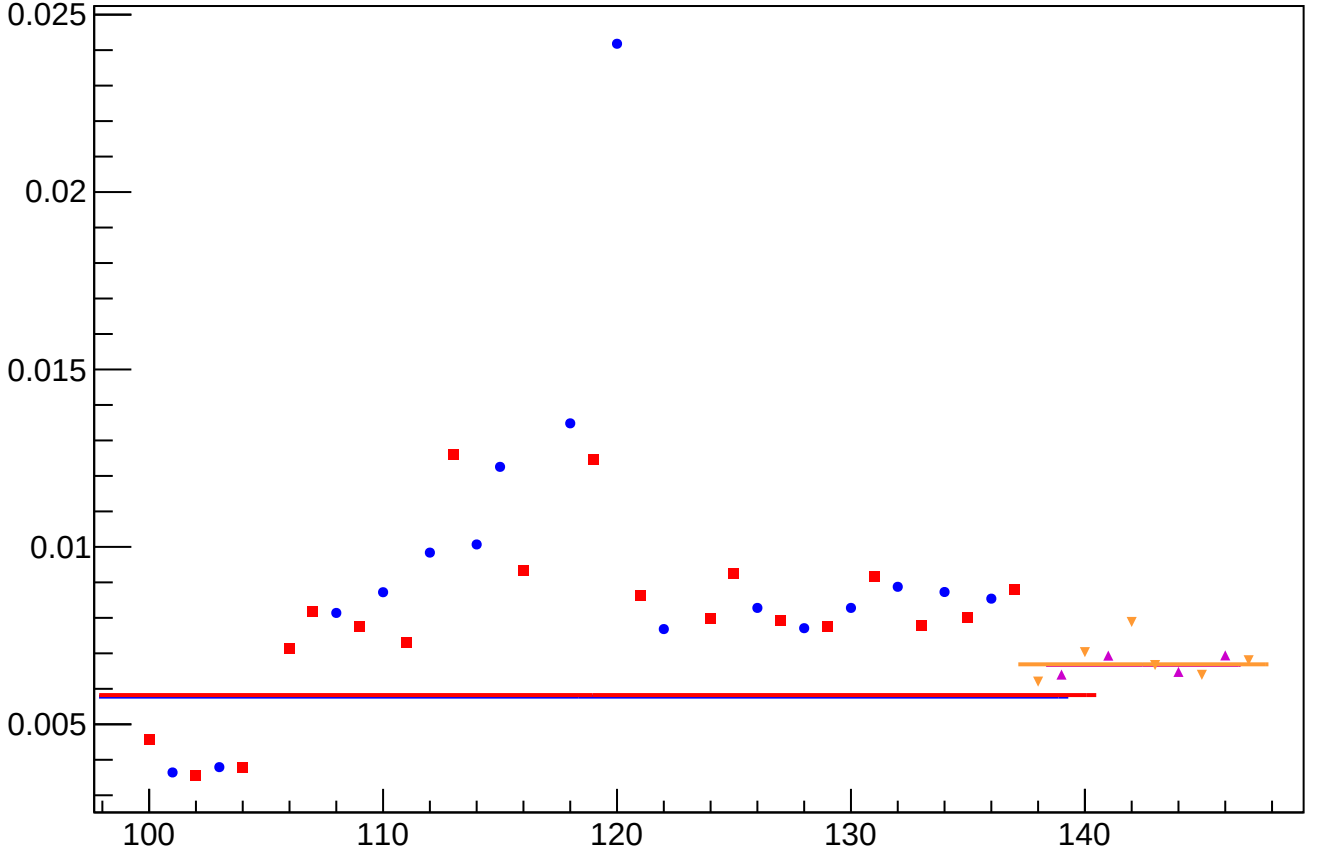
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.200+/-0.000 χ^2/NDF:203454206281.2/19

Out: 1.216+/-0.000 χ^2/NDF:227804058234.7/24

All: 1.209+/-0.000 χ^2/NDF: 431287482536.6

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:27938.0/5

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:7249.1/3

Left: 0.007+/-0.000 χ^2/NDF: 35207.2/9

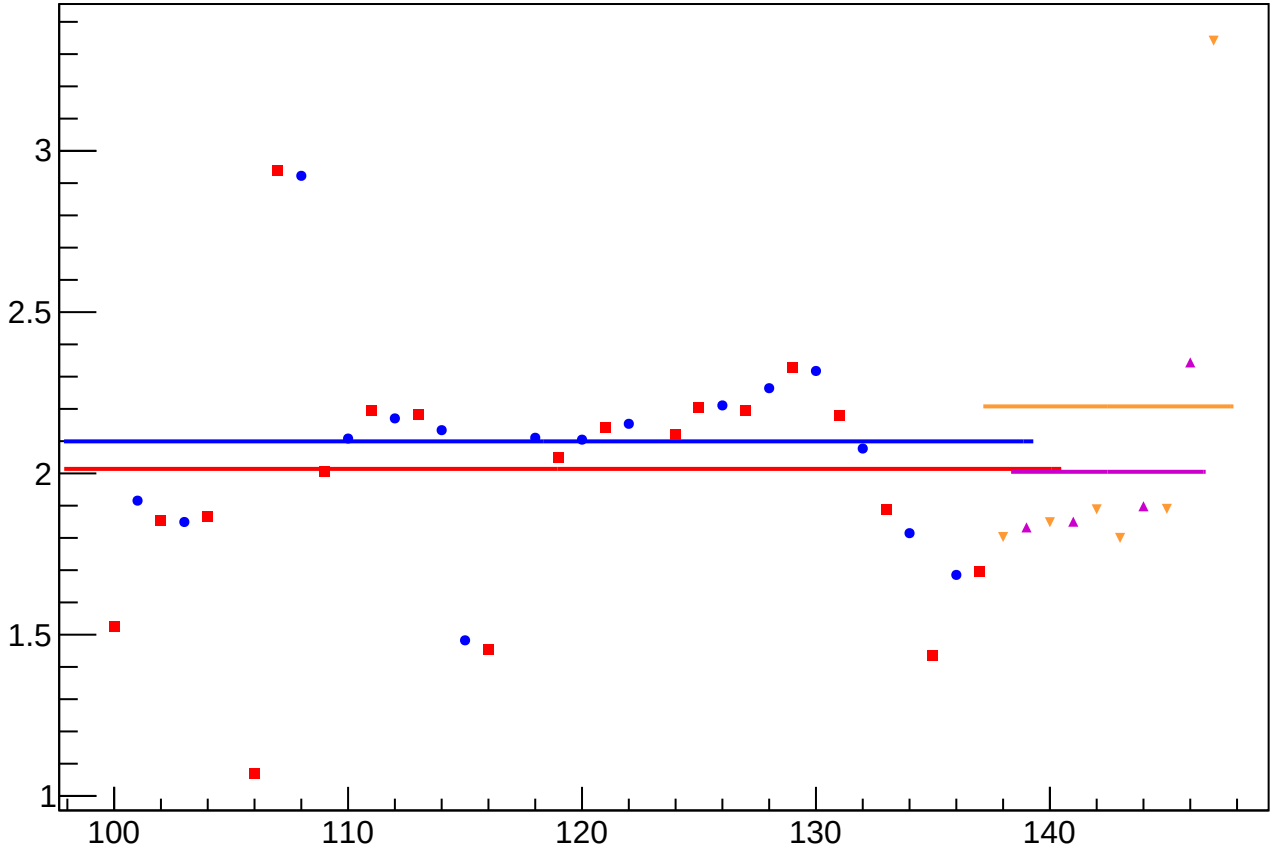
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2287767.9/19

Out: 0.006+/-0.000 χ^2/NDF:2059123.0/24

All: 0.006+/-0.000 χ^2/NDF: 4347787.4/44

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.208+/-0.000 χ^2/NDF:22966236067.9/5

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.005+/-0.000 χ^2/NDF:2094711941.8/3

Left: 2.119+/-0.000 χ^2/NDF: 26048641379.0/9

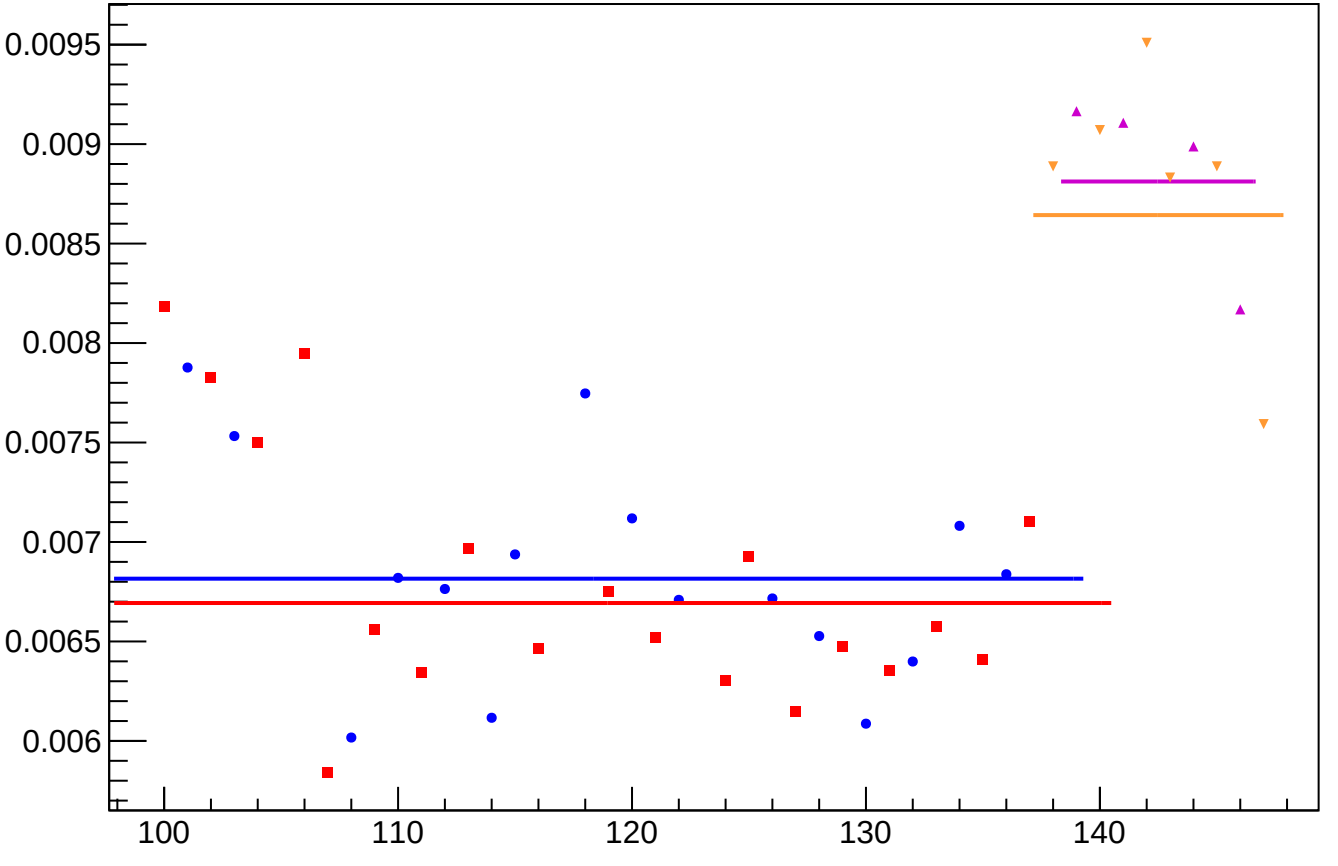
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.078+/-0.000 χ^2/NDF:16317047702.4/19

Out: 2.064+/-0.000 χ^2/NDF:44120179559.1/24

All: 2.071+/-0.000 χ^2/NDF: 60457929528.4/4

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.009+/-0.000 χ^2/NDF:42689.0/5

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.009+/-0.000 χ^2/NDF:15207.3/3

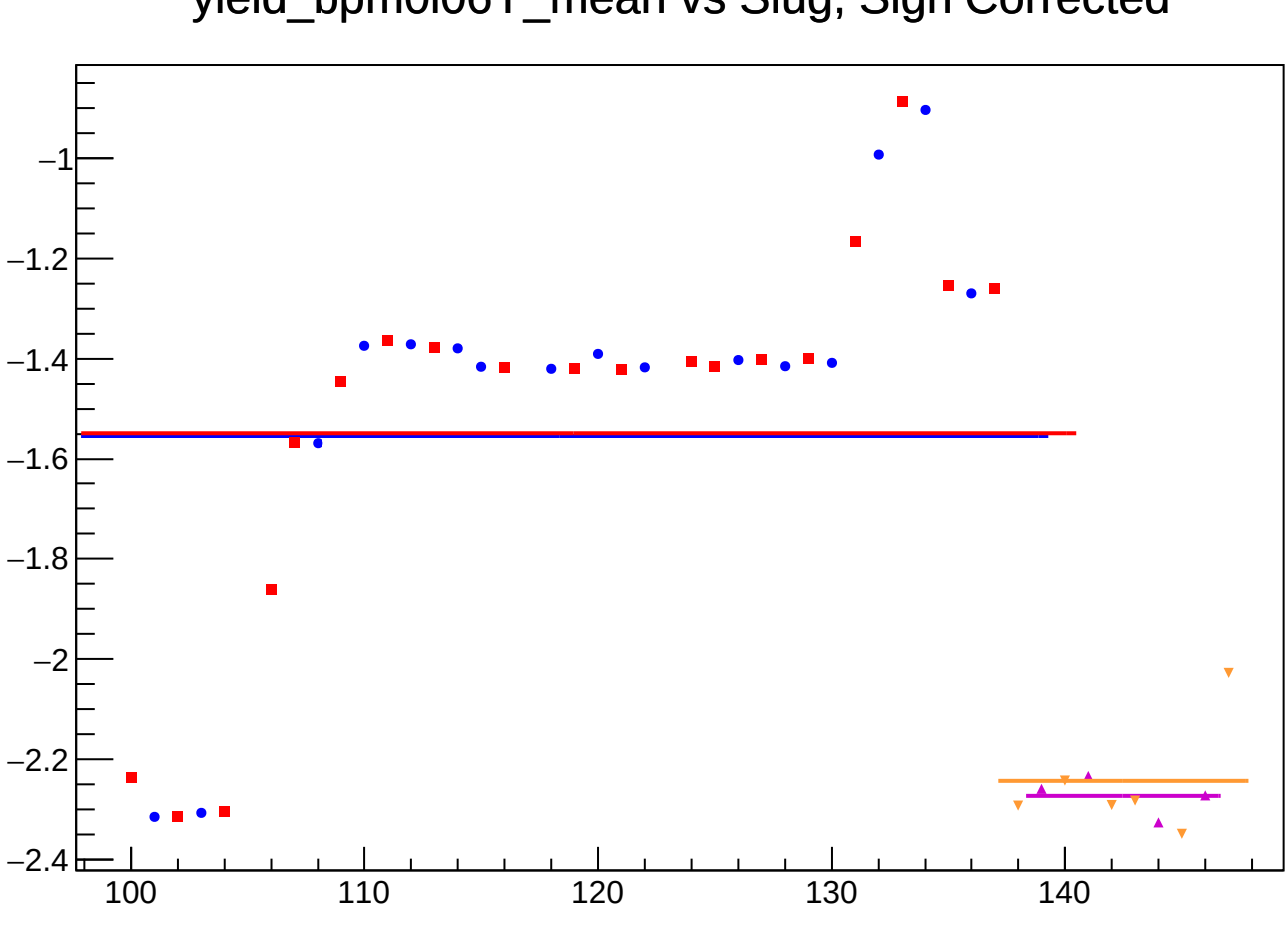
Left: 0.009+/-0.000 χ^2/NDF: 59266.2/9

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:365142.4/19

Out: 0.007+/-0.000 χ^2/NDF:442187.8/24

All: 0.007+/-0.000 χ^2/NDF: 808302.4/44



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.243+/-0.000 χ^2/NDF:4200911692.5/5

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -2.273+/-0.000 χ^2/NDF:371049766.0/3

Left: -2.256+/-0.000 χ^2/NDF: 4724299941.6/9

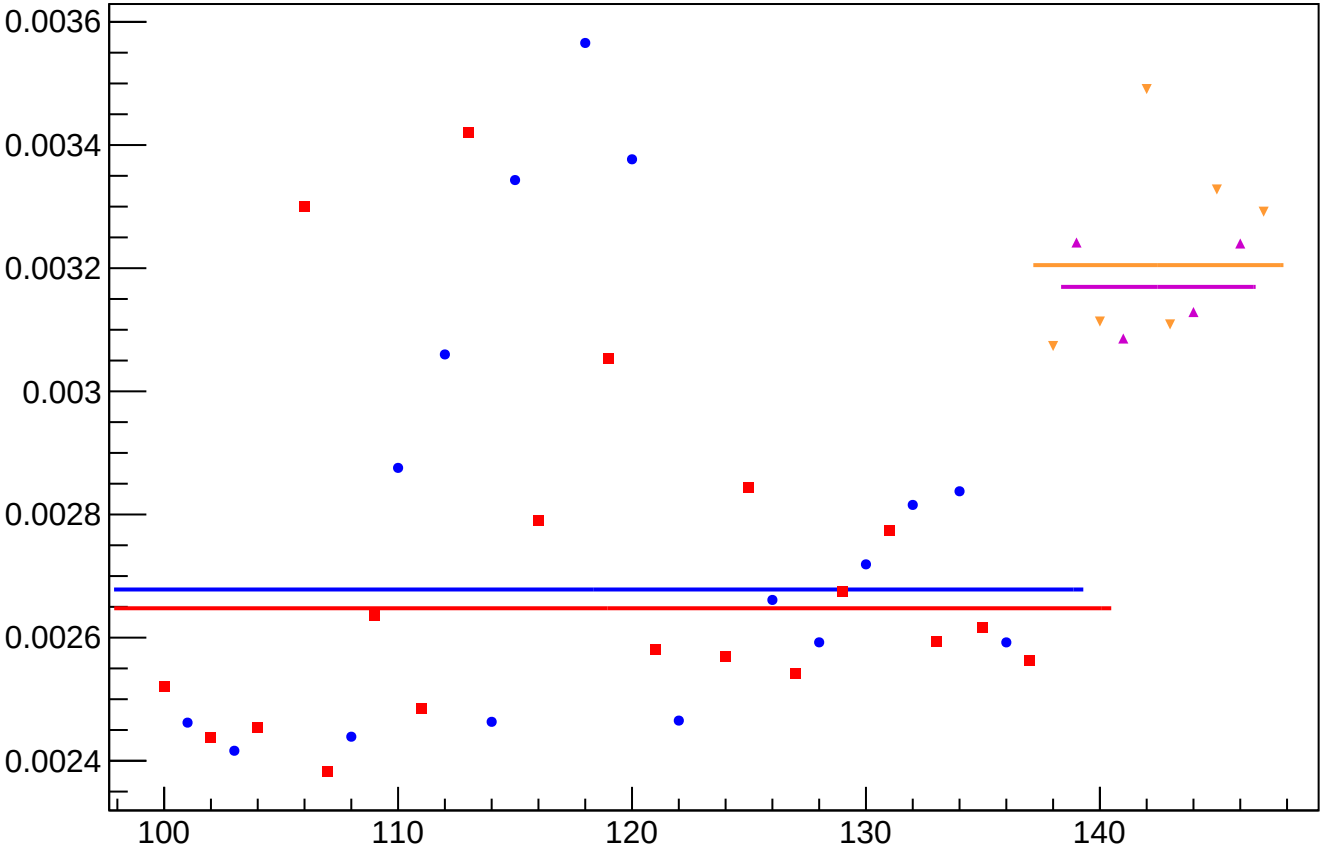
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.731+/-0.000 χ^2/NDF:295166730029.6/19

Out: -1.740+/-0.000 χ^2/NDF:312073314816.1/24

All: -1.736+/-0.000 χ^2/NDF: 607285738380.6

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:13252.9/5

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:2882.6/3

Left: 0.003+/-0.000 χ^2/NDF: 16559.6/9

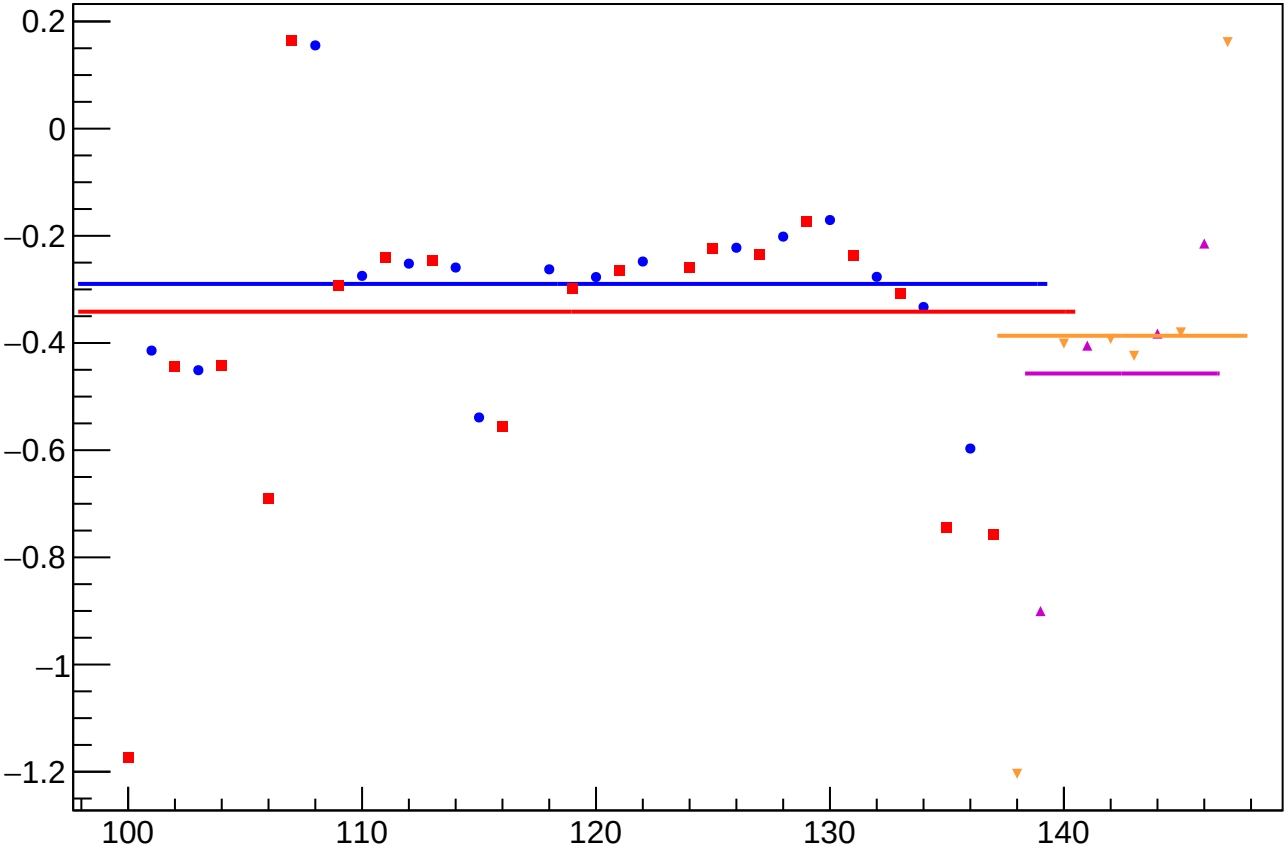
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:272443.7/19

Out: 0.003+/-0.000 χ^2/NDF:300684.9/24

All: 0.003+/-0.000 χ^2/NDF: 573132.3/44

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.386+/-0.000 χ^2/NDF:3617777865.7/5

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.457+/-0.000 χ^2/NDF:979688704.5/3

Left: -0.417+/-0.000 χ^2/NDF: 4641253345.7/9

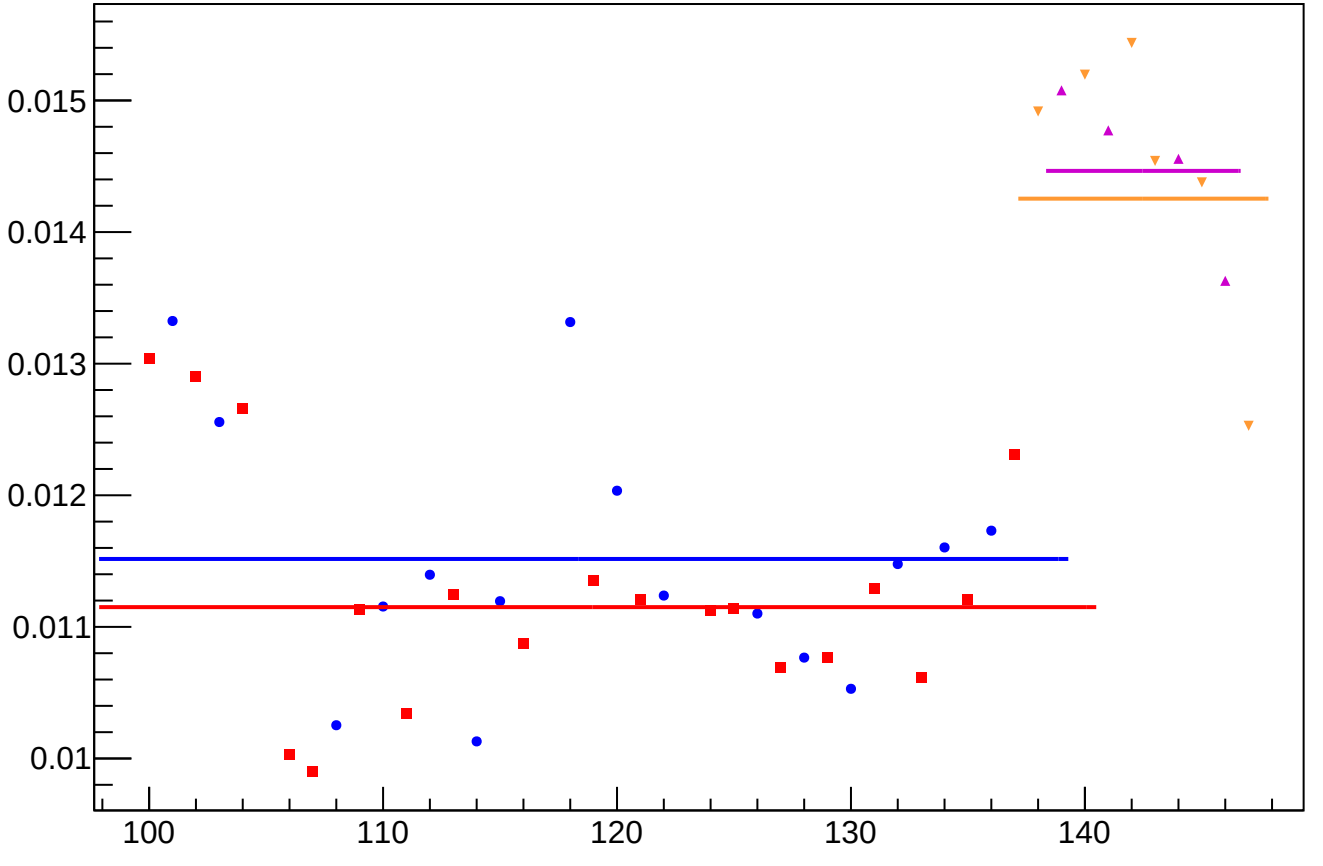
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.328+/-0.000 χ^2/NDF:2960683112.1/19

Out: -0.353+/-0.000 χ^2/NDF:6257393946.1/24

All: -0.342+/-0.000 χ^2/NDF: 9240640839.0/4

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:43898.5/5

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.014+/-0.000 χ^2/NDF:9535.2/3

Left: 0.014+/-0.000 χ^2/NDF: 54219.2/9

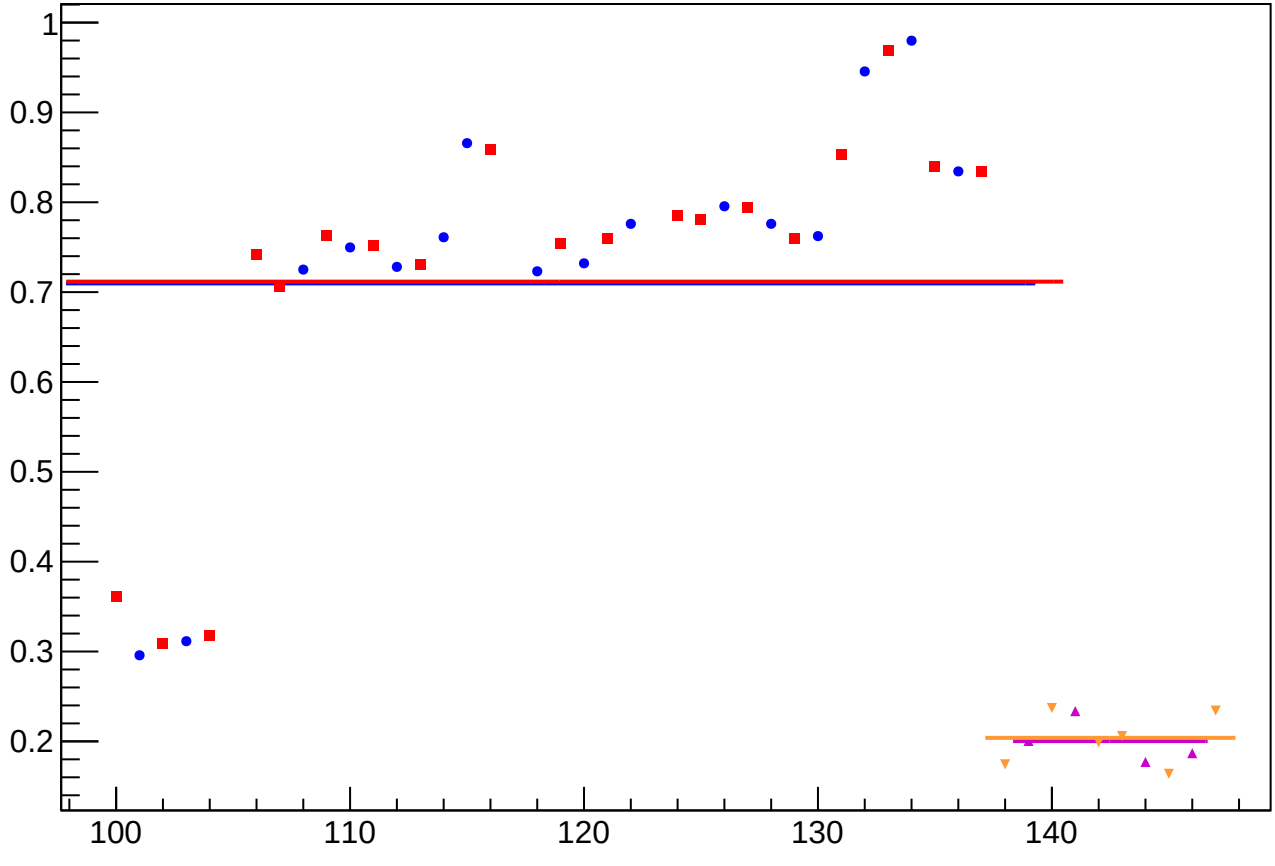
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:302703.9/19

Out: 0.012+/-0.000 χ^2/NDF:404570.7/24

All: 0.012+/-0.000 χ^2/NDF: 711625.5/44

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.204+/-0.000 χ^2/NDF:796668414.5/5

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.200+/-0.000 χ^2/NDF:376909051.4/3

Left: 0.202+/-0.000 χ^2/NDF: 1179161552.1/9

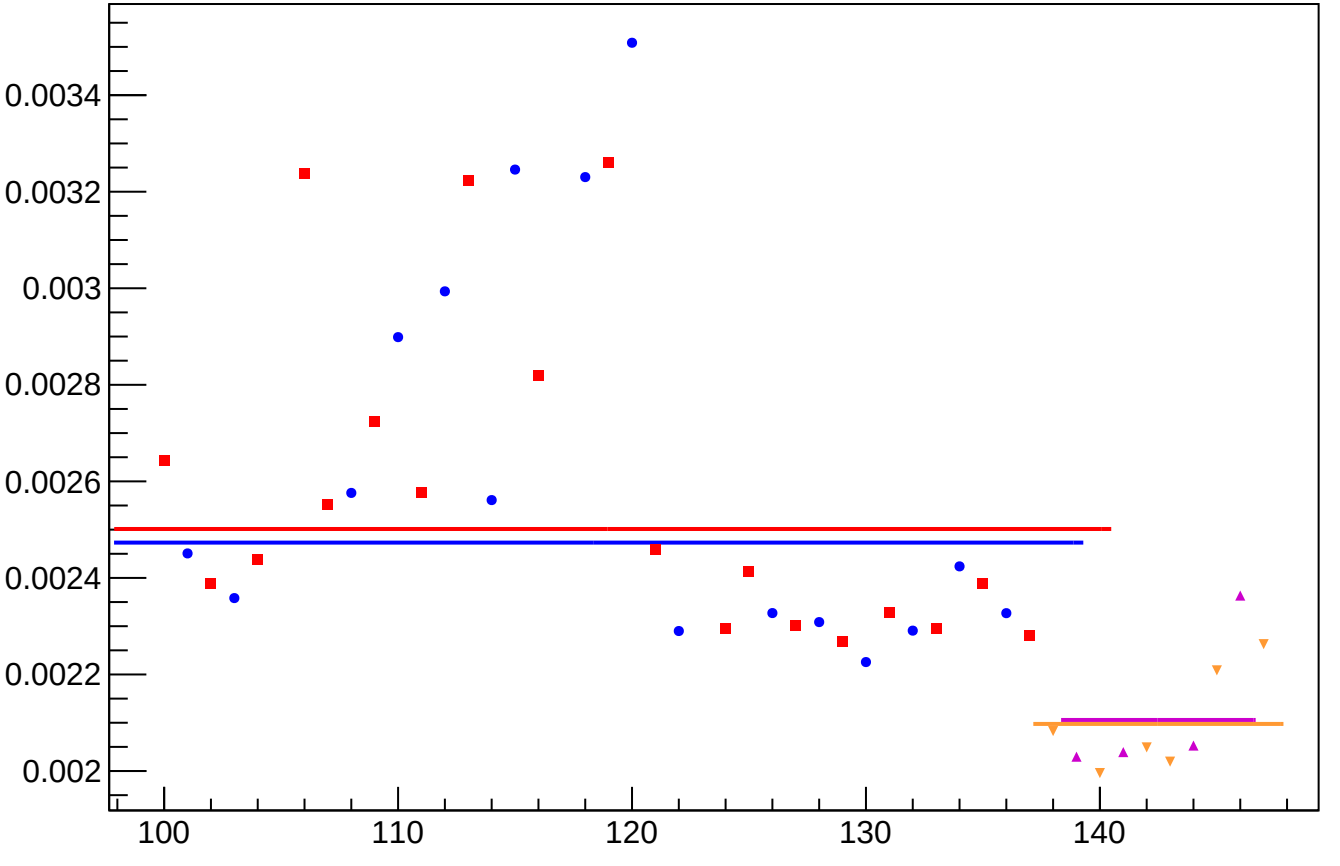
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.499+/-0.000 χ^2/NDF:168808805519.0/19

Out: 0.471+/-0.000 χ^2/NDF:182380019789.5/24

All: 0.484+/-0.000 χ^2/NDF: 351994251051.2

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:20106.6/5

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:26433.2/3

Left: 0.002+/-0.000 χ^2/NDF: 46599.3/9

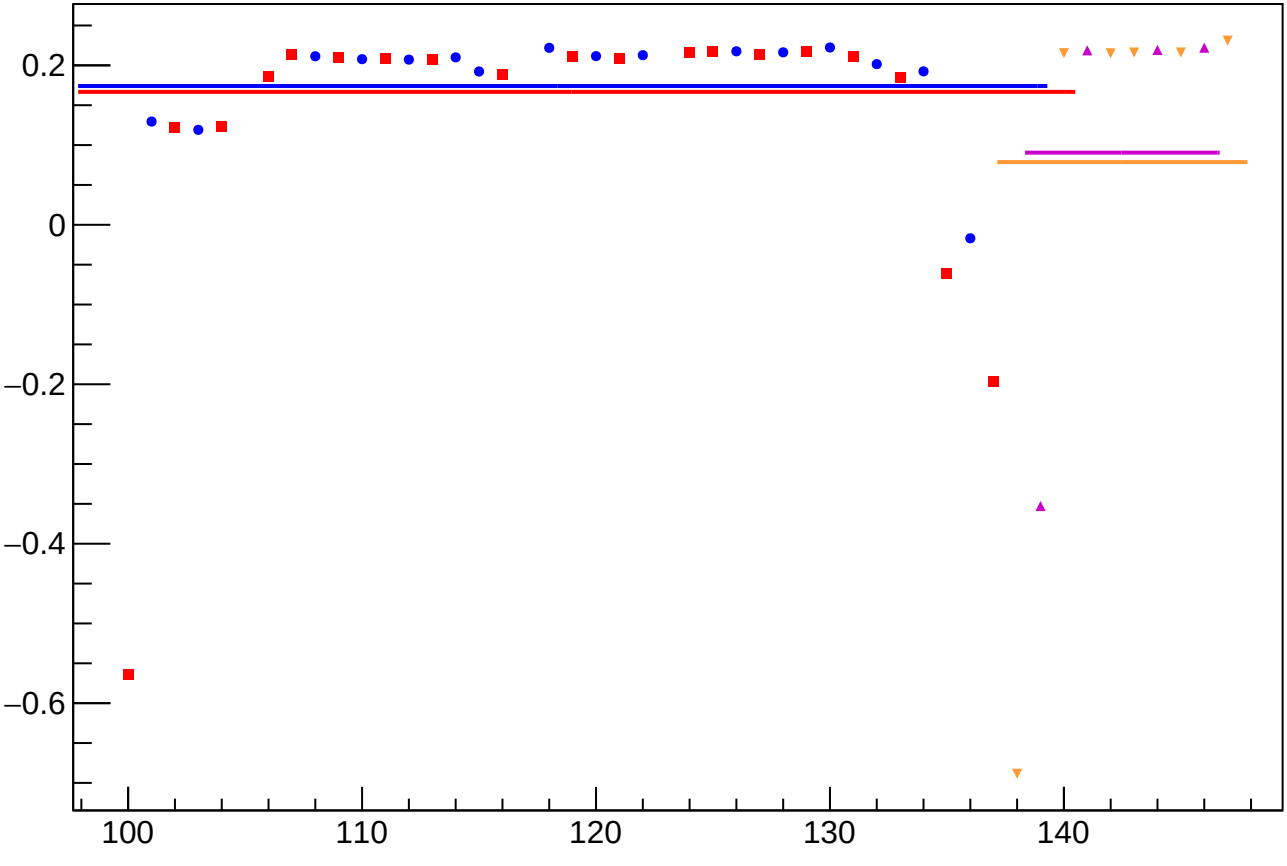
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:358822.3/19

Out: 0.002+/-0.000 χ^2/NDF:371340.5/24

All: 0.002+/-0.000 χ^2/NDF: 730424.7/44

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.079+/-0.000 χ^2/NDF:2714463405.2/5

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.090+/-0.000 χ^2/NDF:1100736329.8/3

Left: 0.084+/-0.000 χ^2/NDF: 3816713607.8/9

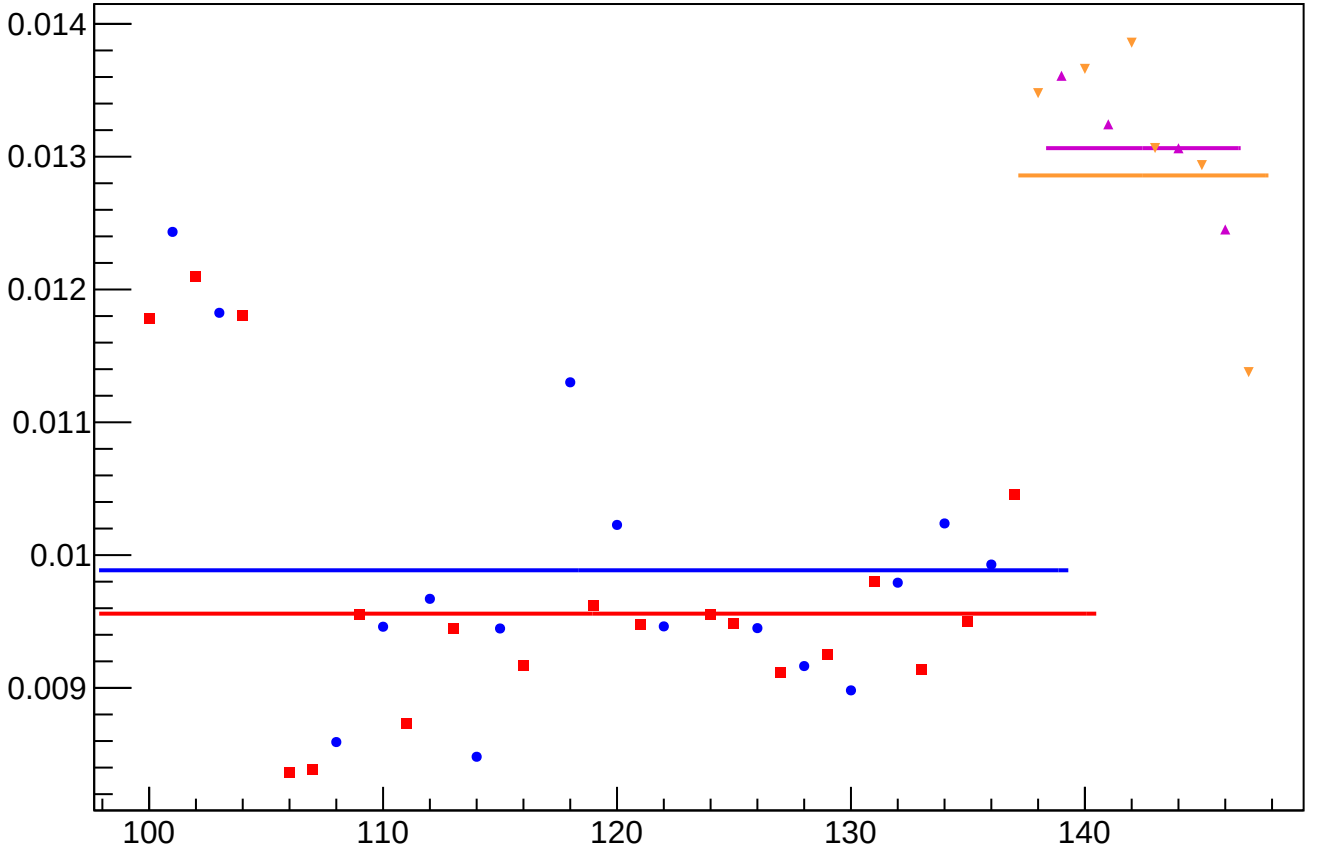
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.156+/-0.000 χ^2/NDF:1607738275.7/19

Out: 0.146+/-0.000 χ^2/NDF:3755782552.5/24

All: 0.150+/-0.000 χ^2/NDF: 5368933358.2/44

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.013+/-0.000 χ^2/NDF:39588.6/5

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:6791.7/3

Left: 0.013+/-0.000 χ^2/NDF: 47296.2/9

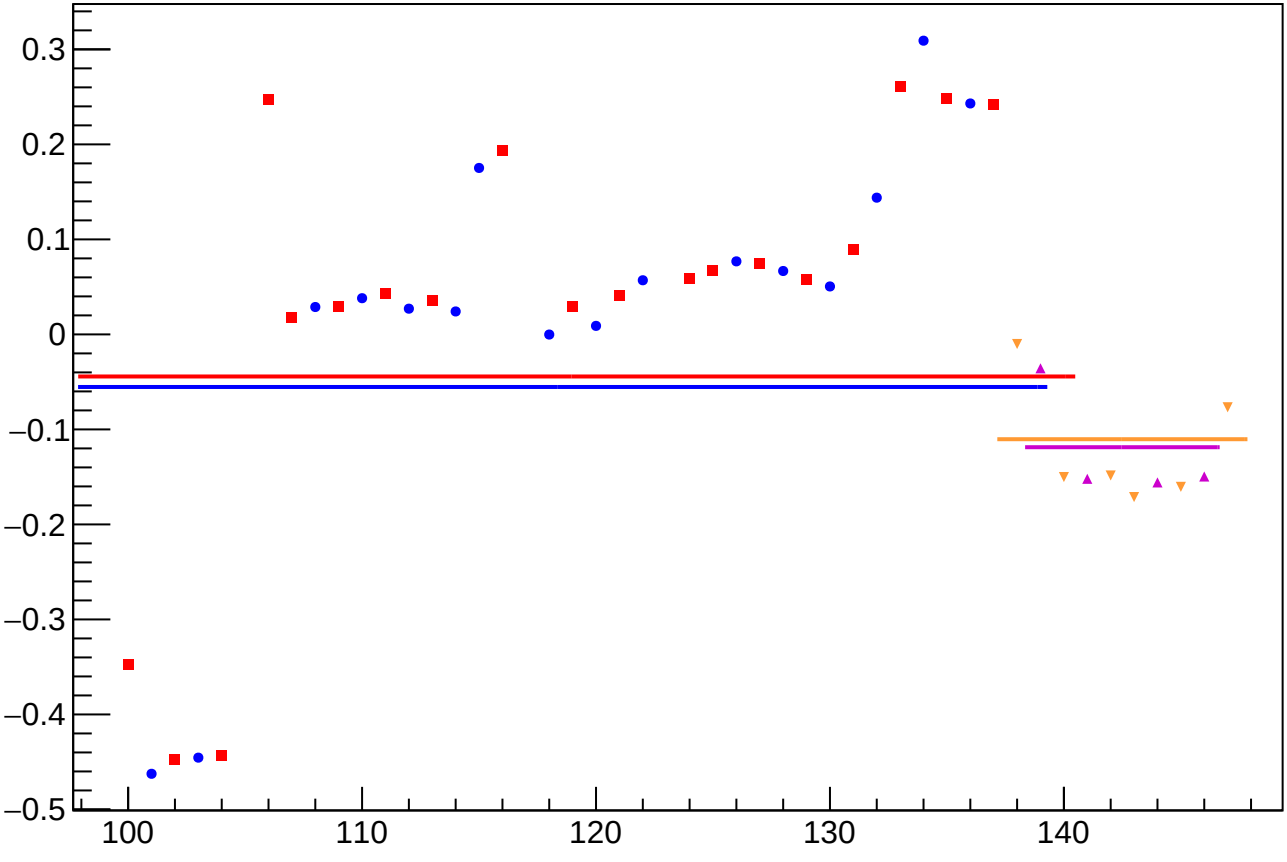
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:459394.5/19

Out: 0.010+/-0.000 χ^2/NDF:589163.0/24

All: 0.010+/-0.000 χ^2/NDF: 1052920.8/44

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.110+/-0.000 χ^2/NDF:1652062340.8/5

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.119+/-0.000 χ^2/NDF:945416408.3/3

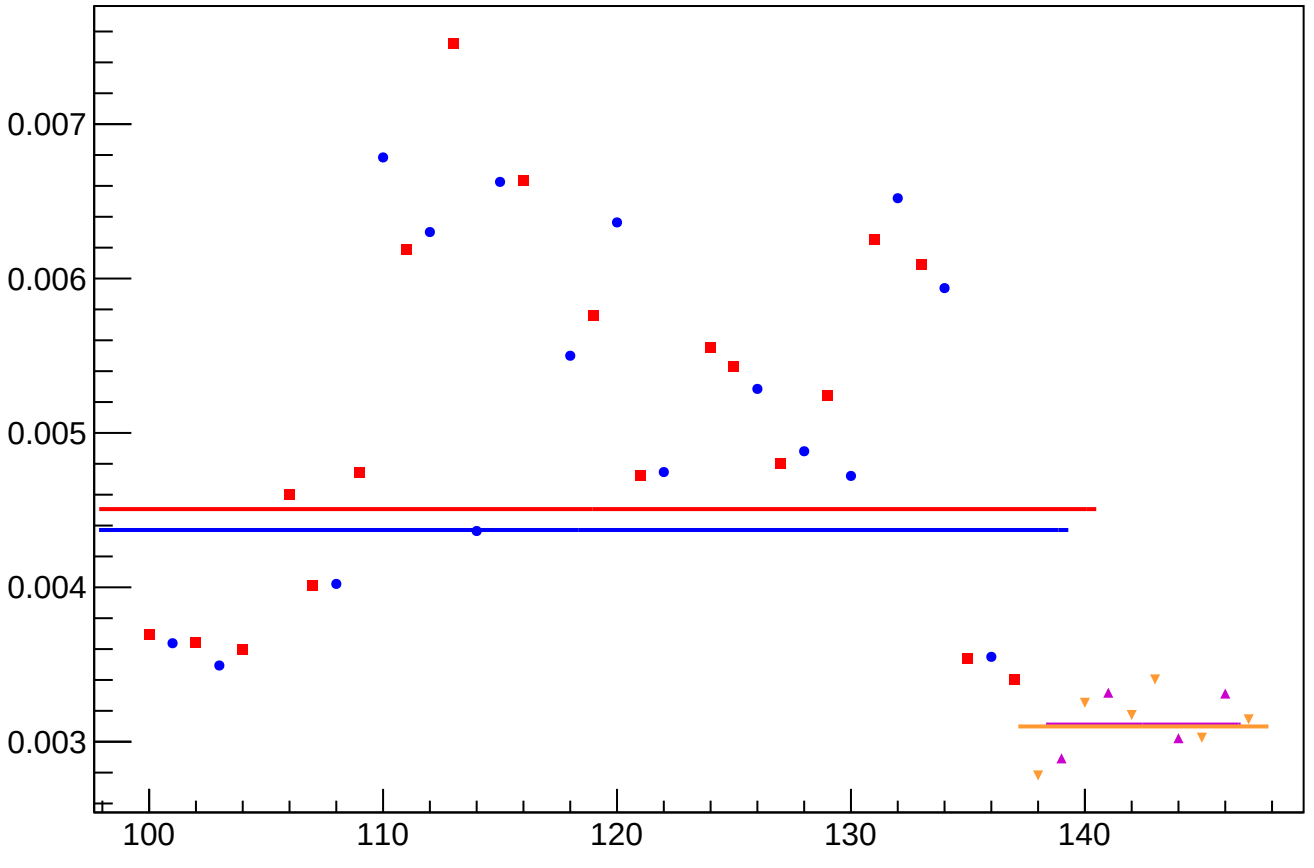
Left: -0.114+/-0.000 χ^2/NDF: 2610839879.6/9

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.088+/-0.000 χ^2/NDF:25683882925.8/19

Out: -0.082+/-0.000 χ^2/NDF:24580172850.5/24

All: -0.085+/-0.000 χ^2/NDF: 50274032338.5/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:35548.7/5

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:22716.1/3

Left: 0.003+/-0.000 χ^2/NDF: 58320.1/9

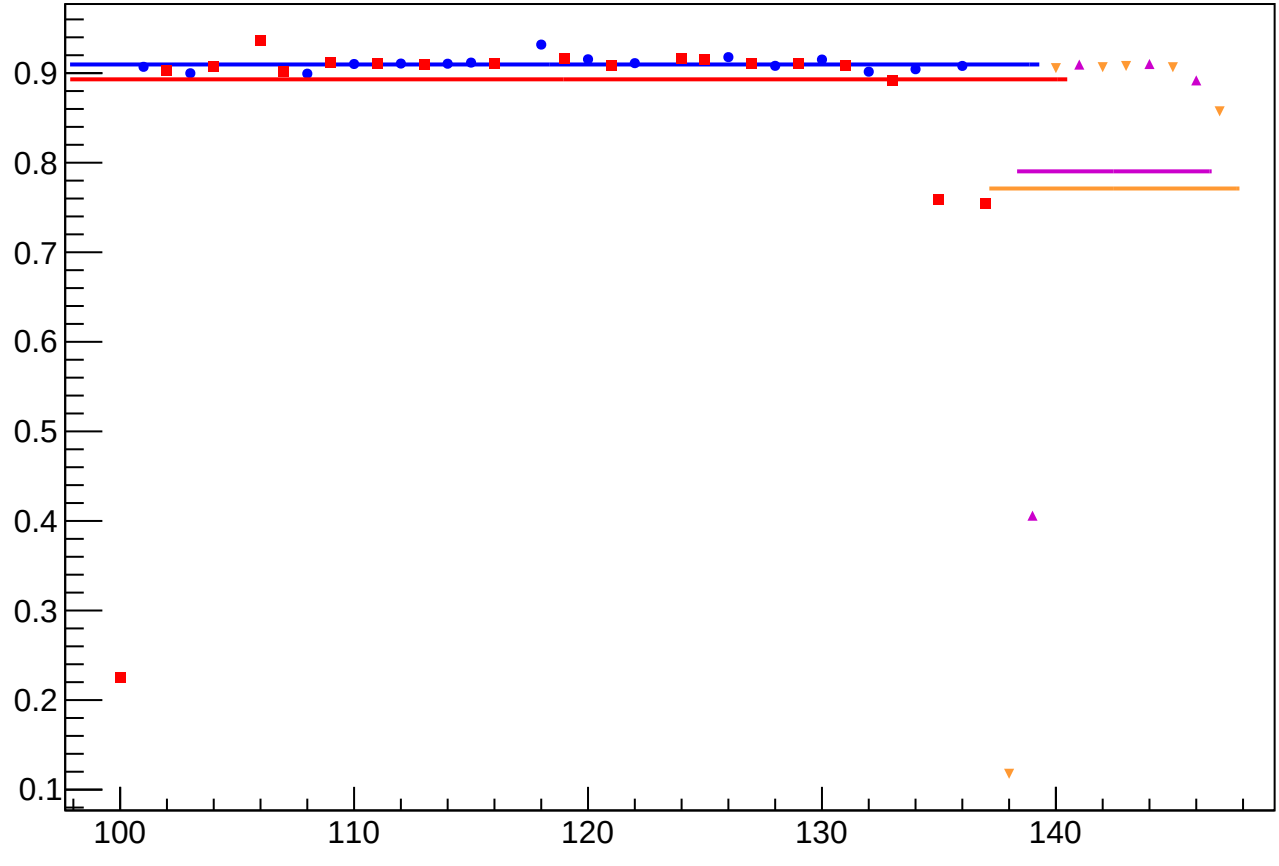
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:1201938.5/19

Out: 0.004+/-0.000 χ^2/NDF:1460186.5/24

All: 0.004+/-0.000 χ^2/NDF: 2662880.1/44

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.771+/-0.000 χ^2/NDF:2154384551.6/5

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.790+/-0.000 χ^2/NDF:901971485.5/3

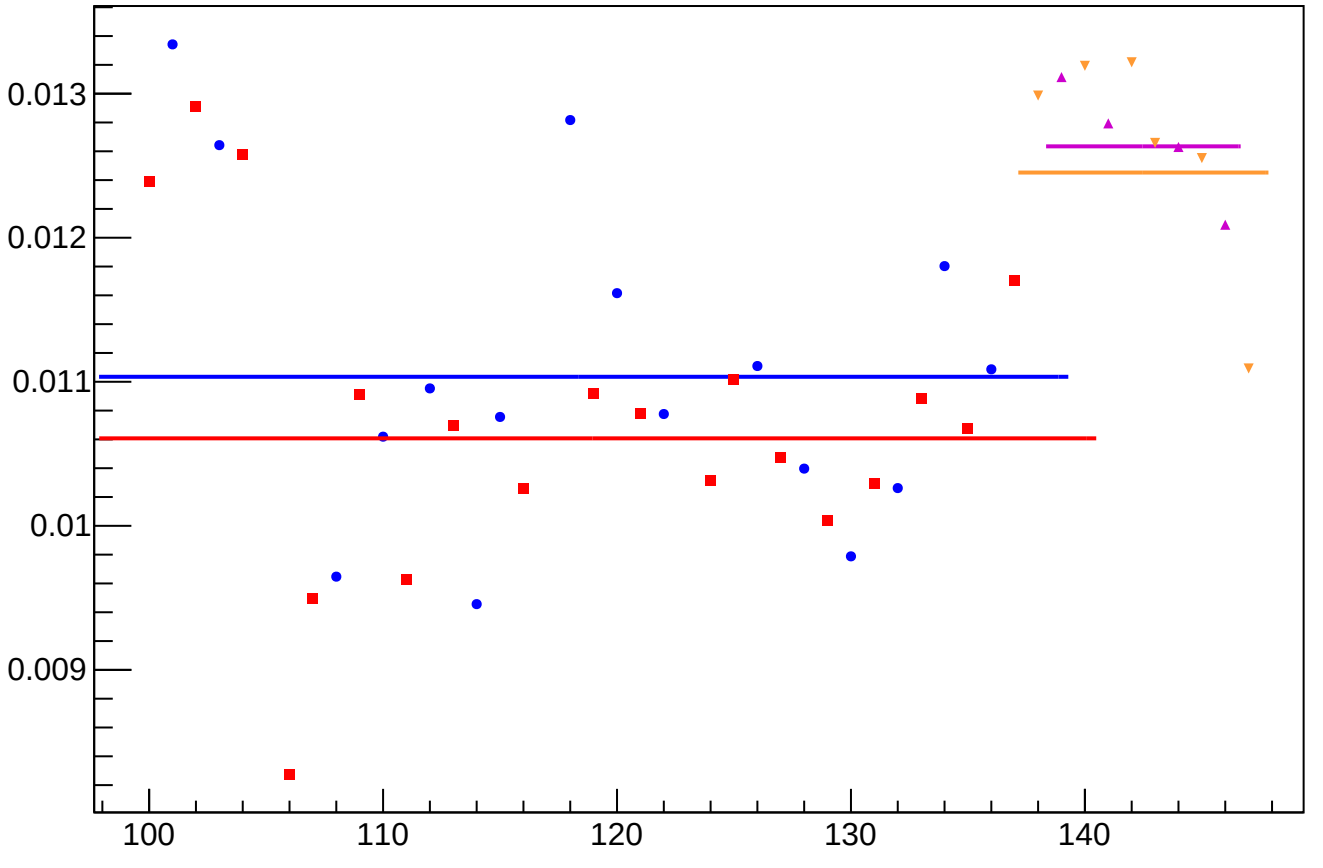
Left: 0.780+/-0.000 χ^2/NDF: 3060649295.4/9

Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.878+/-0.000 χ^2/NDF:1120682825.1/19

Out: 0.857+/-0.000 χ^2/NDF:2764417713.6/24

All: 0.866+/-0.000 χ^2/NDF: 3902995433.5/44



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:34363.3/5

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.013+/-0.000 χ^2/NDF:5752.3/3

Left: 0.013+/-0.000 χ^2/NDF: 40890.2/9

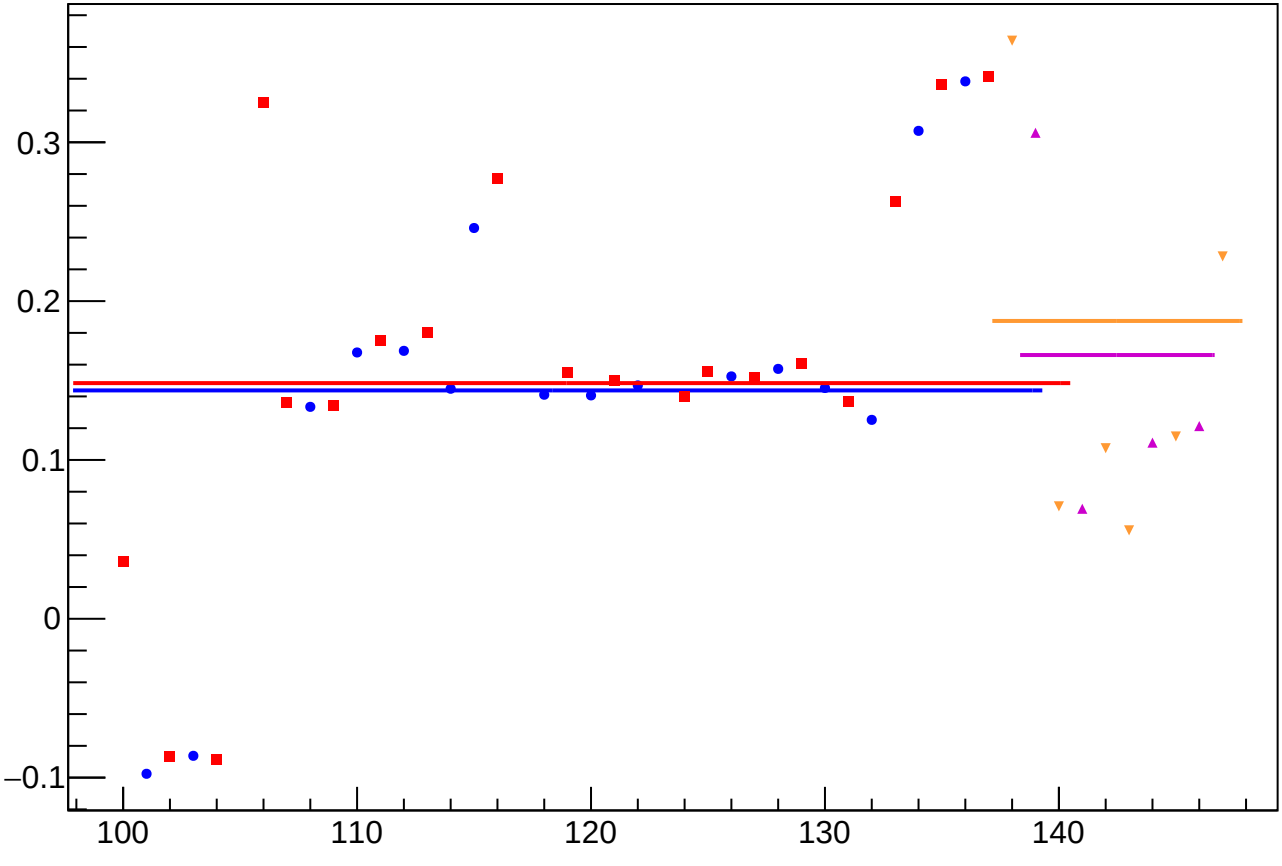
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:213575.7/19

Out: 0.011+/-0.000 χ^2/NDF:307590.9/24

All: 0.011+/-0.000 χ^2/NDF: 529169.6/44

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.188+/-0.000 χ^2/NDF:4067589263.3/5

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.166+/-0.000 χ^2/NDF:1979743615.8/3

Left: 0.178+/-0.000 χ^2/NDF: 6102796596.0/9

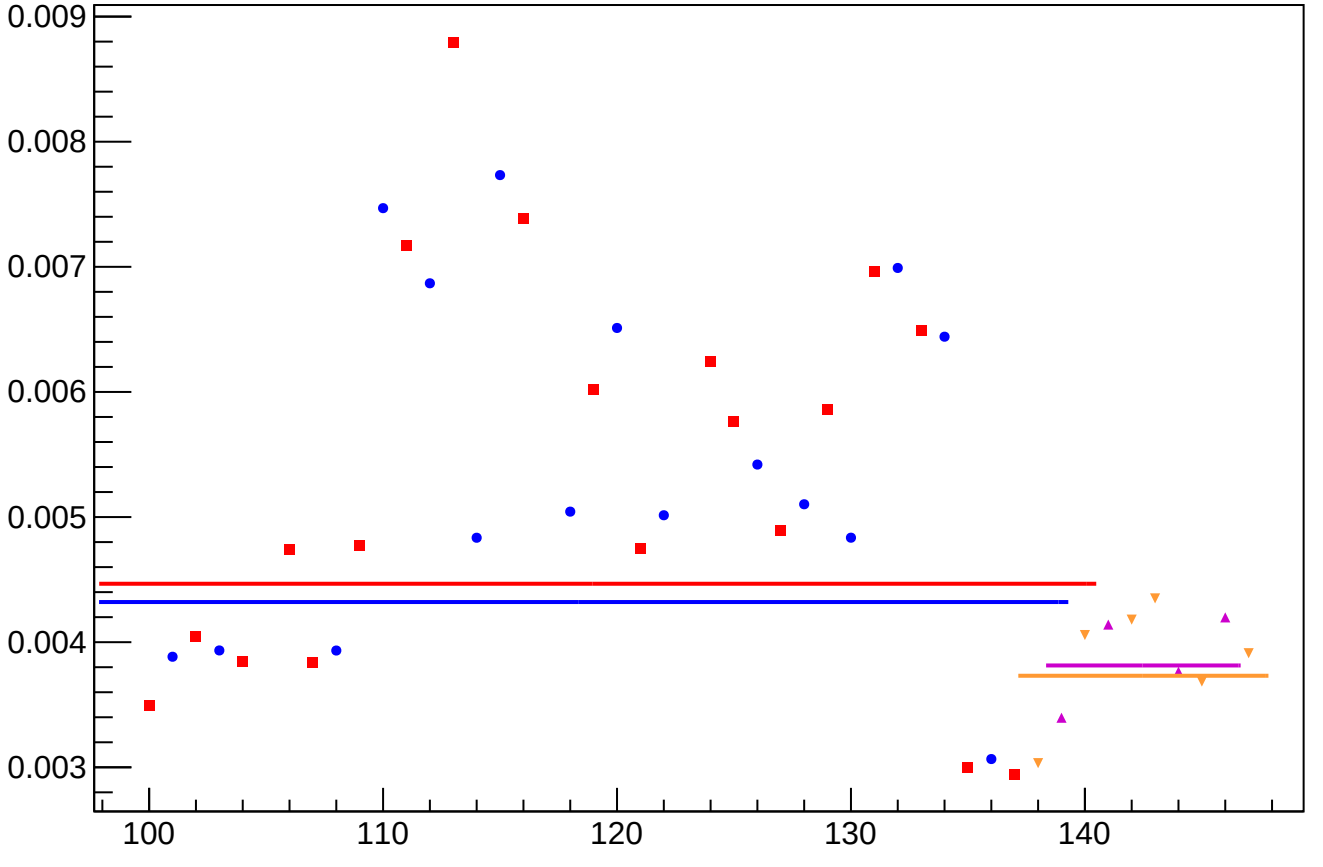
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.153+/-0.000 χ^2/NDF:9909109773.0/19

Out: 0.167+/-0.000 χ^2/NDF:11417431231.2/24

All: 0.161+/-0.000 χ^2/NDF: 21384178864.0/4

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:123161.8/5

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:45537.2/3

Left: 0.004+/-0.000 χ^2/NDF: 170330.1/9

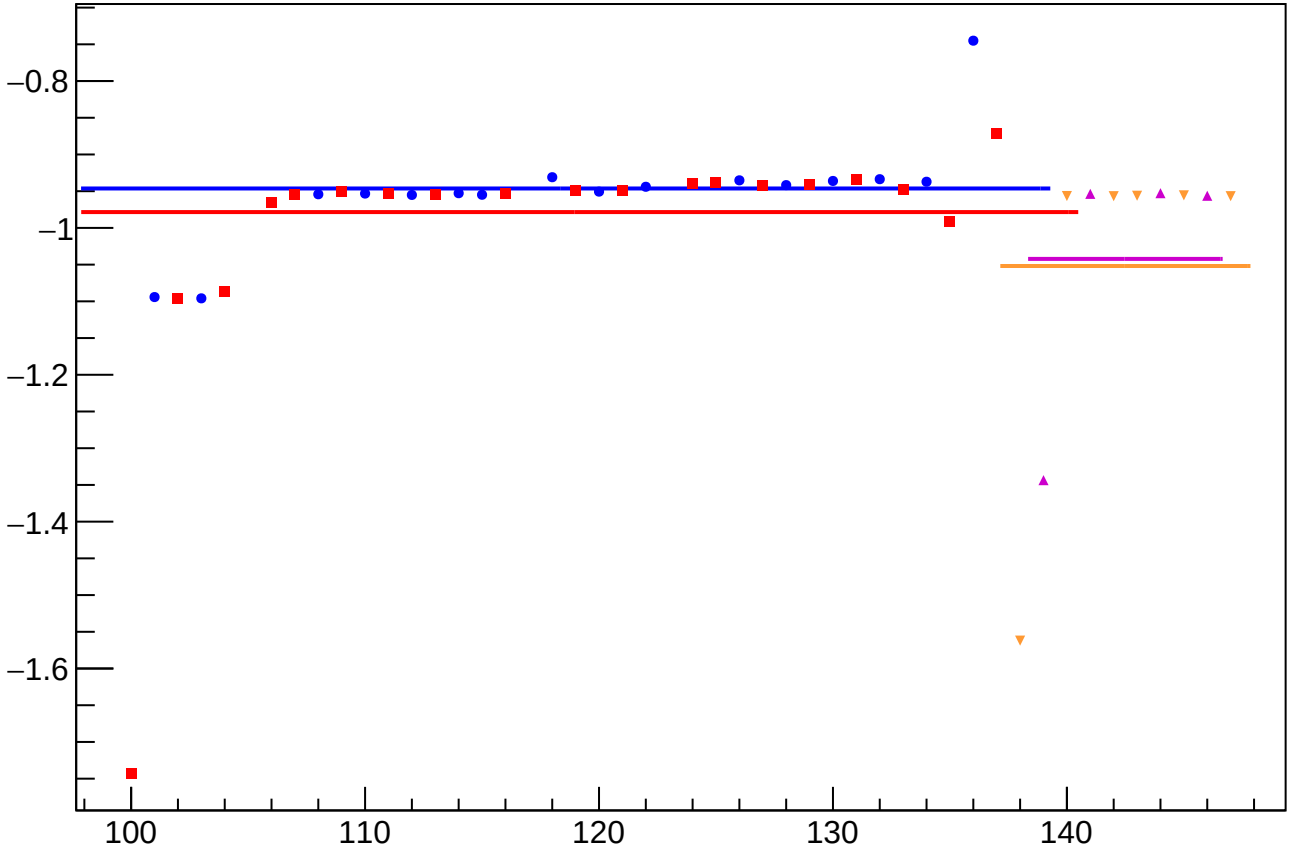
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:988132.3/19

Out: 0.004+/-0.000 χ^2/NDF:1365166.4/24

All: 0.004+/-0.000 χ^2/NDF: 2353309.2/44

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.052+/-0.000 χ^2/NDF:1685702321.8/5

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.042+/-0.000 χ^2/NDF:703996890.0/3

Left: -1.048+/-0.000 χ^2/NDF: 2391105239.5/9

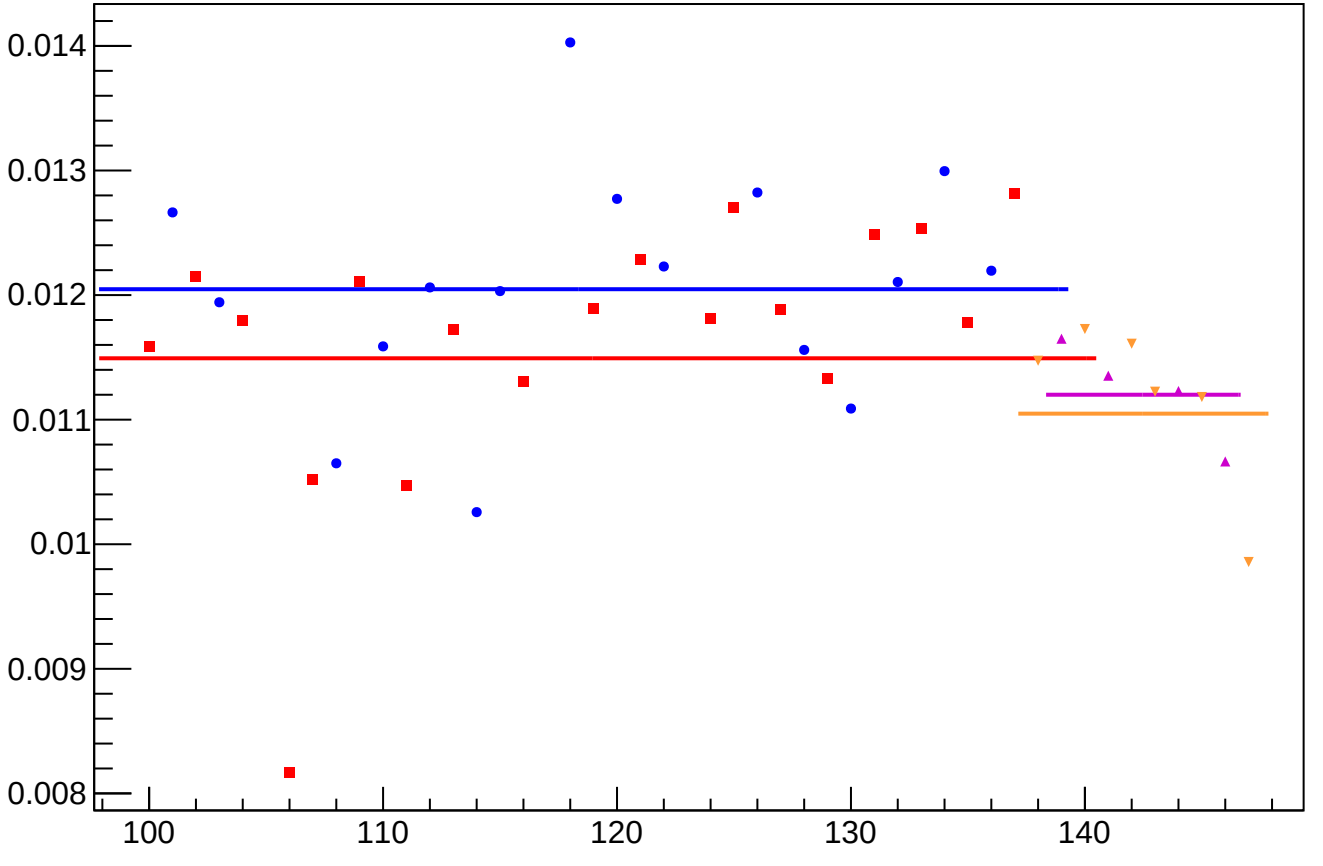
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.981+/-0.000 χ^2/NDF:1264960647.1/19

Out: -1.007+/-0.000 χ^2/NDF:2260677655.4/24

All: -0.995+/-0.000 χ^2/NDF: 3553508843.5/4

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:32957.1/5

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:6913.8/3

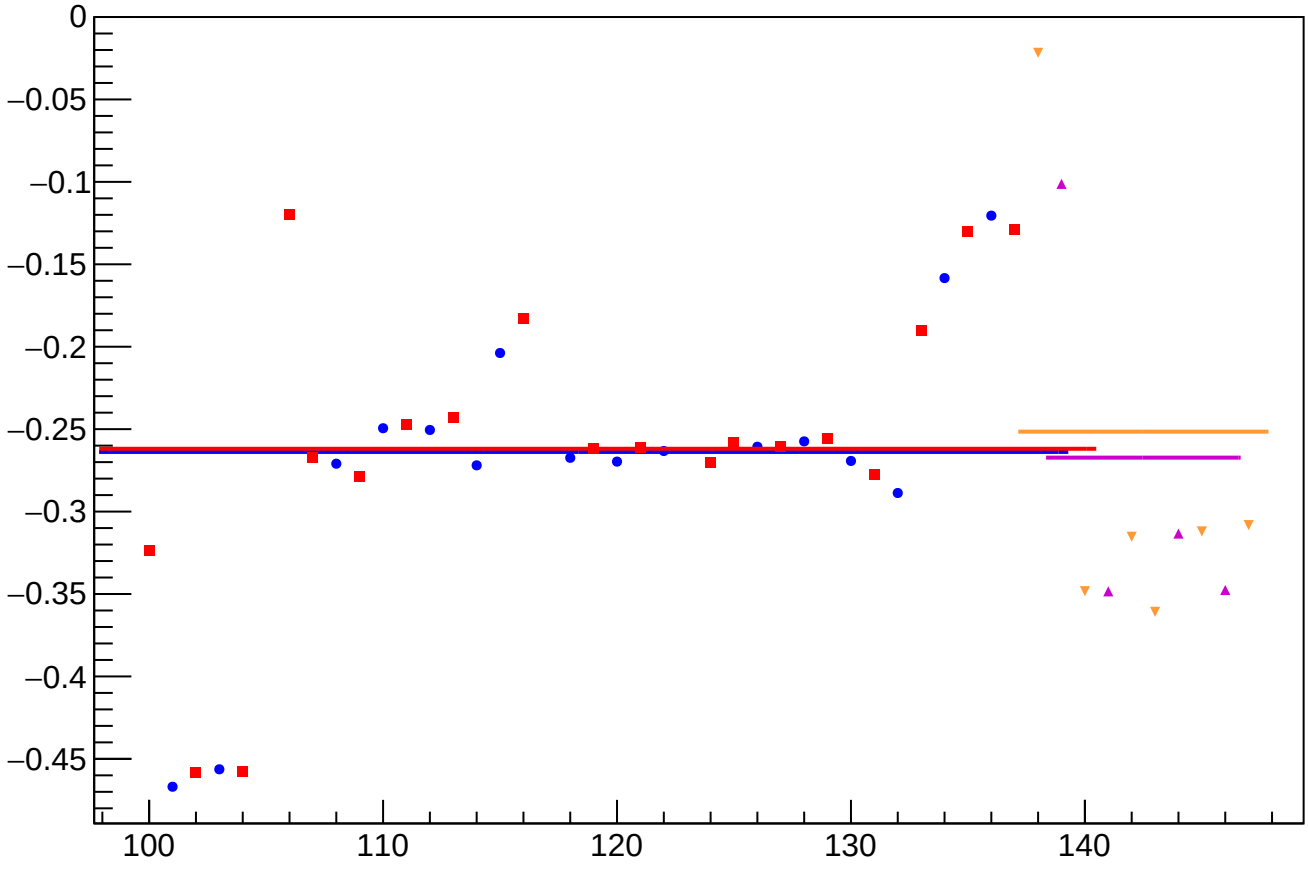
Left: 0.011+/-0.000 χ^2/NDF: 40564.0/9

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.012+/-0.000 χ^2/NDF:93804.2/19

Out: 0.011+/-0.000 χ^2/NDF:192609.2/24

All: 0.012+/-0.000 χ^2/NDF: 300866.1/44



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.252+/-0.000 χ^2/NDF:3911517843.8/5

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.267+/-0.000 χ^2/NDF:1910424926.5/3

Left: -0.258+/-0.000 χ^2/NDF: 5845669294.5/9

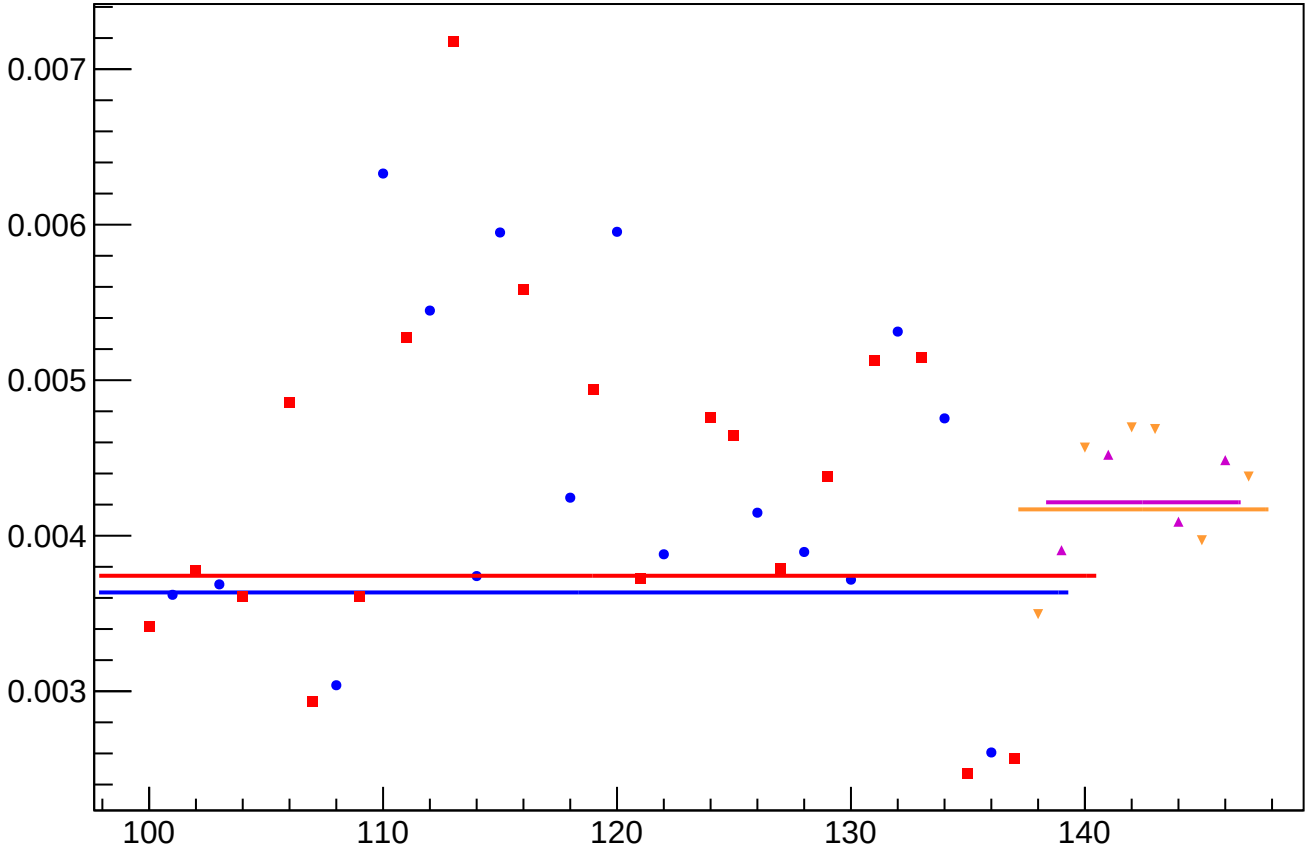
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.265+/-0.000 χ^2/NDF:8018059548.4/19

Out: -0.258+/-0.000 χ^2/NDF:9177228548.2/24

All: -0.261+/-0.000 χ^2/NDF: 17208118762.7/

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:92980.1/5

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:22764.2/3

Left: 0.004+/-0.000 χ^2/NDF: 116141.5/9

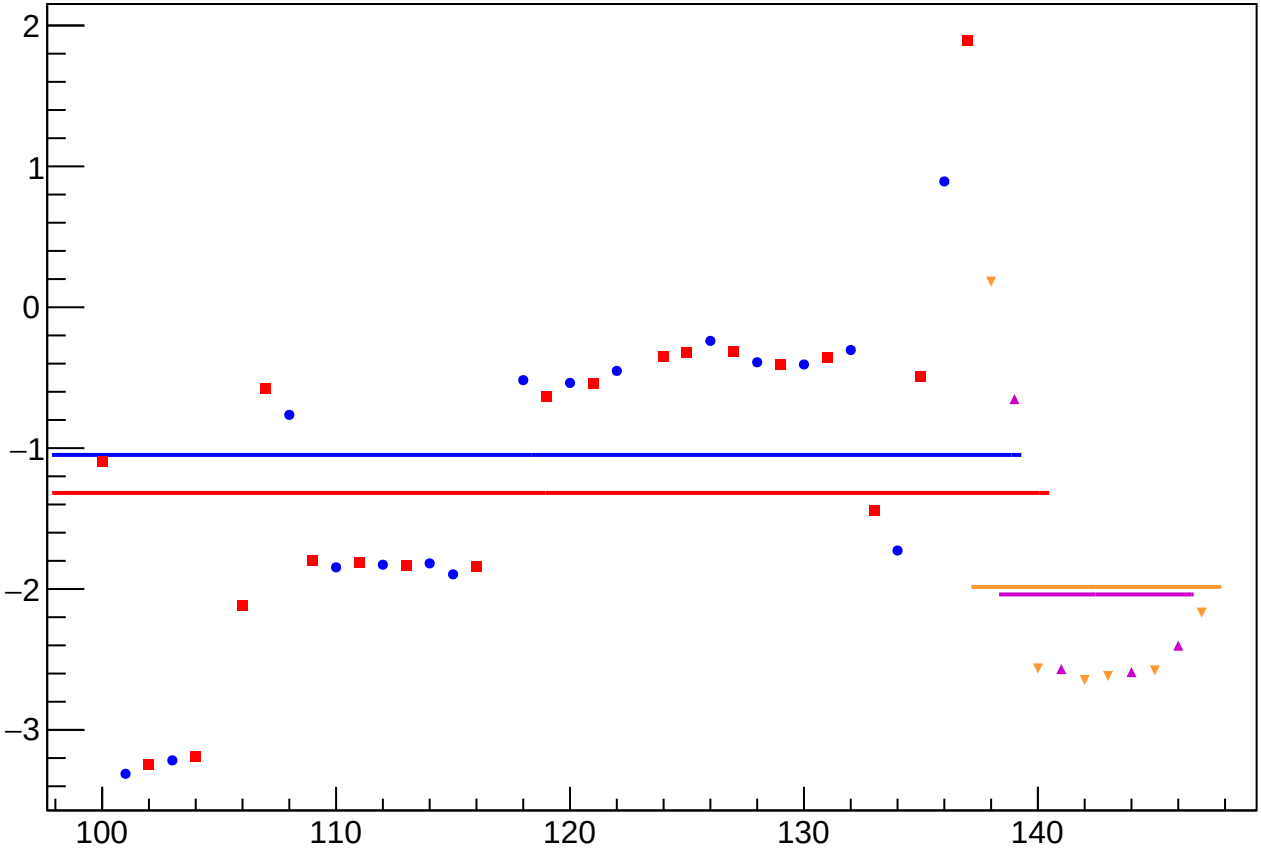
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:833172.7/19

Out: 0.004+/-0.000 χ^2/NDF:1040214.8/24

All: 0.004+/-0.000 χ^2/NDF: 1878483.6/44

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.985+/-0.000 χ^2/NDF:894058582.9/5

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -2.038+/-0.000 χ^2/NDF:407543669.5/3

Left: -2.008+/-0.000 χ^2/NDF: 1302569333.9/9

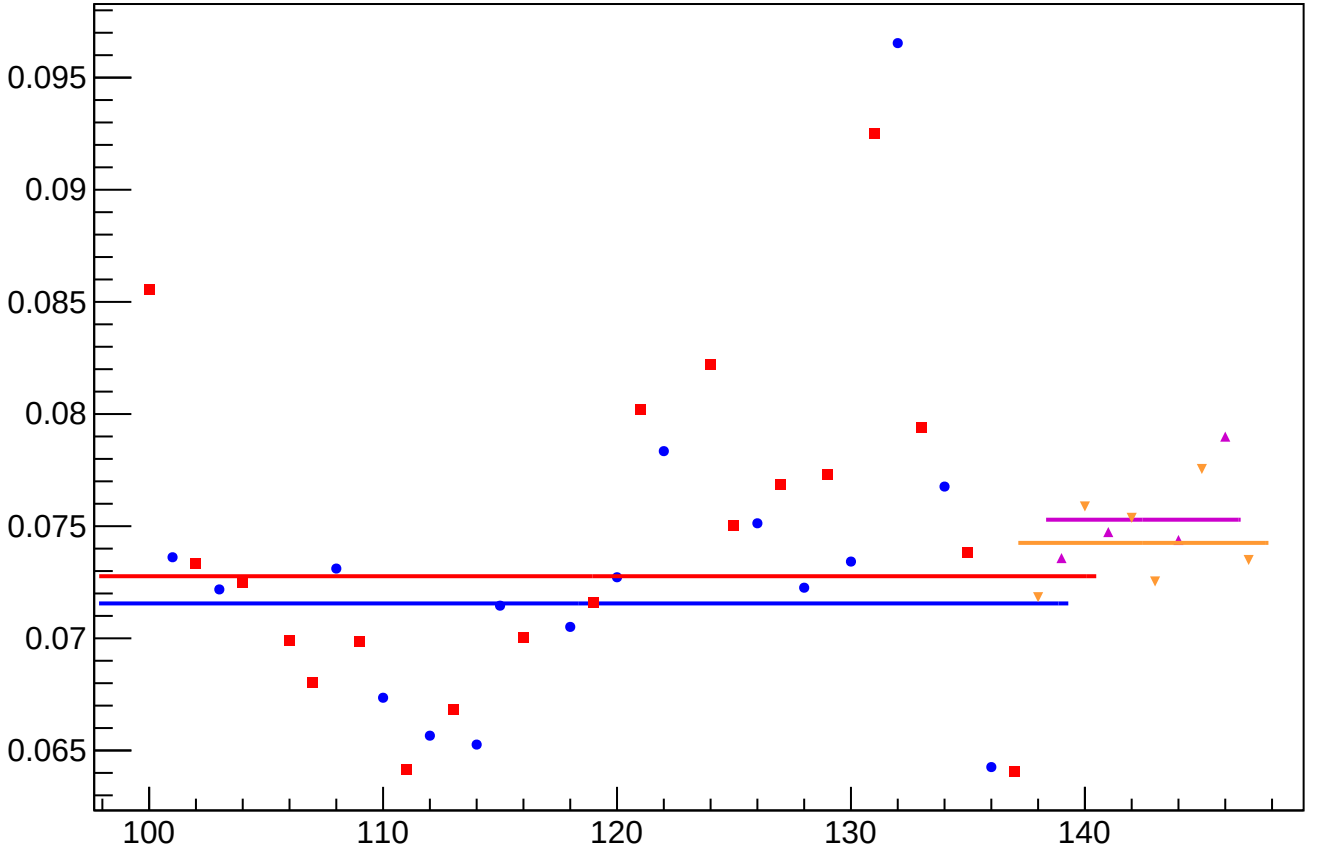
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.349+/-0.000 χ^2/NDF:3163121299.6/19

Out: -1.562+/-0.000 χ^2/NDF:2965228462.4/24

All: -1.461+/-0.000 χ^2/NDF: 6174902042.1/4

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:6543.0/5

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:4915.6/3

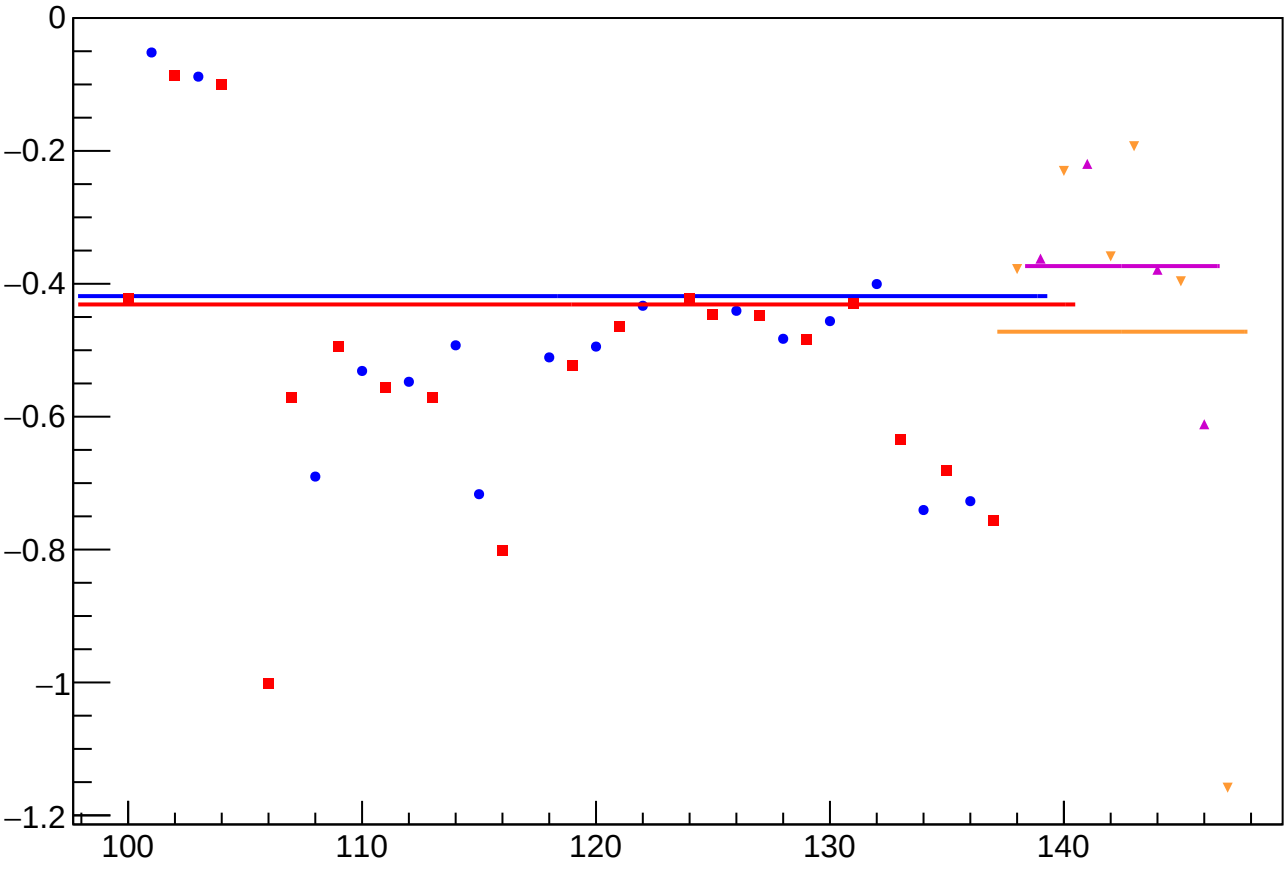
Left: 0.075+/-0.000 χ^2/NDF: 12185.8/9

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:117760.7/19

Out: 0.073+/-0.000 χ^2/NDF:105632.5/24

All: 0.073+/-0.000 χ^2/NDF: 224187.9/44



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.472+/-0.000 χ^2/NDF:5718041965.4/5

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.373+/-0.000 χ^2/NDF:593980691.8/3

Left: -0.430+/-0.000 χ^2/NDF: 6532041715.9/9

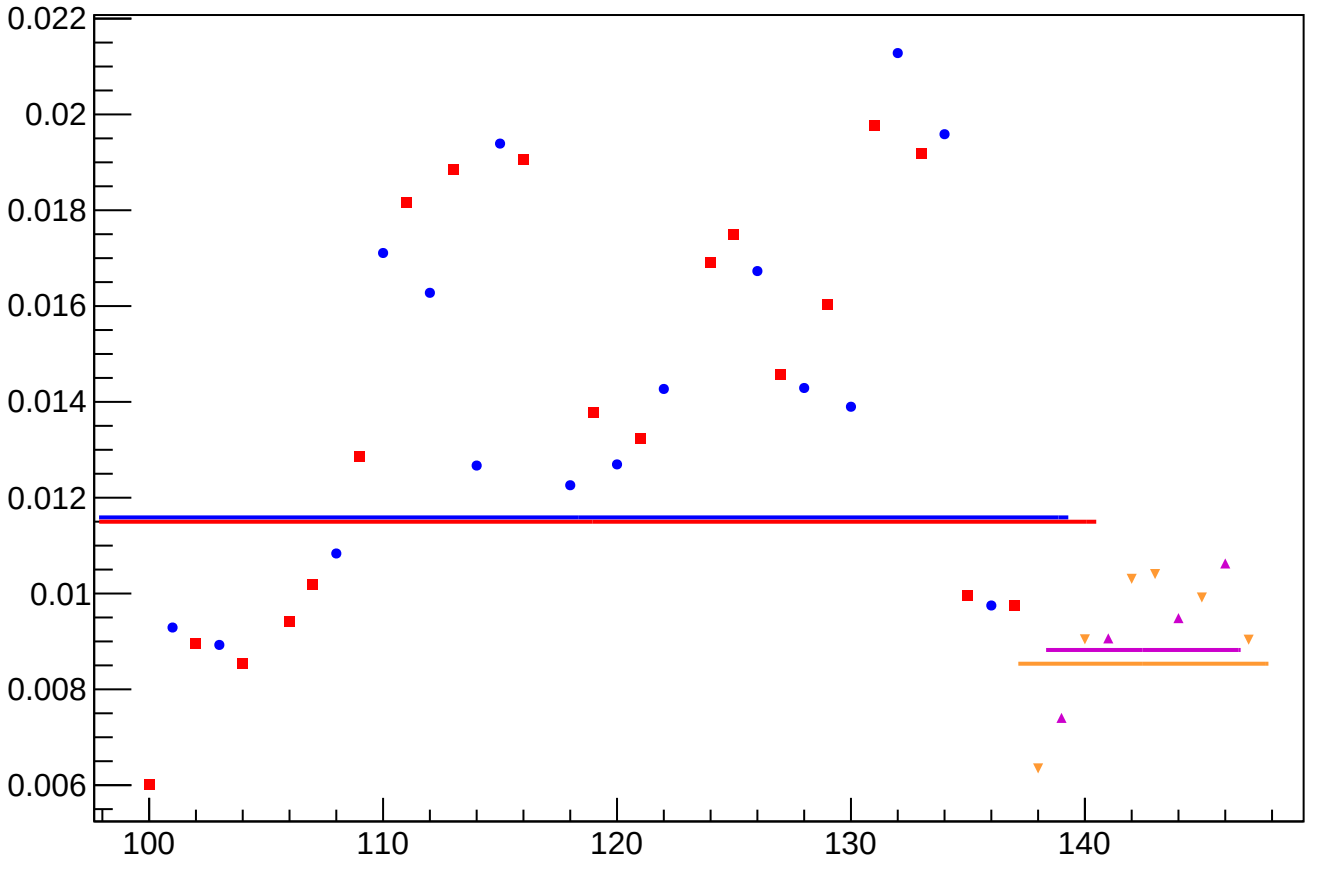
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.397+/-0.000 χ^2/NDF:3708646048.0/19

Out: -0.453+/-0.000 χ^2/NDF:8955888485.9/24

All: -0.428+/-0.000 χ^2/NDF: 12805667182.7/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:272908.8/5

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.009+/-0.000 χ^2/NDF:108683.4/3

Left: 0.009+/-0.000 χ^2/NDF: 385304.9/9

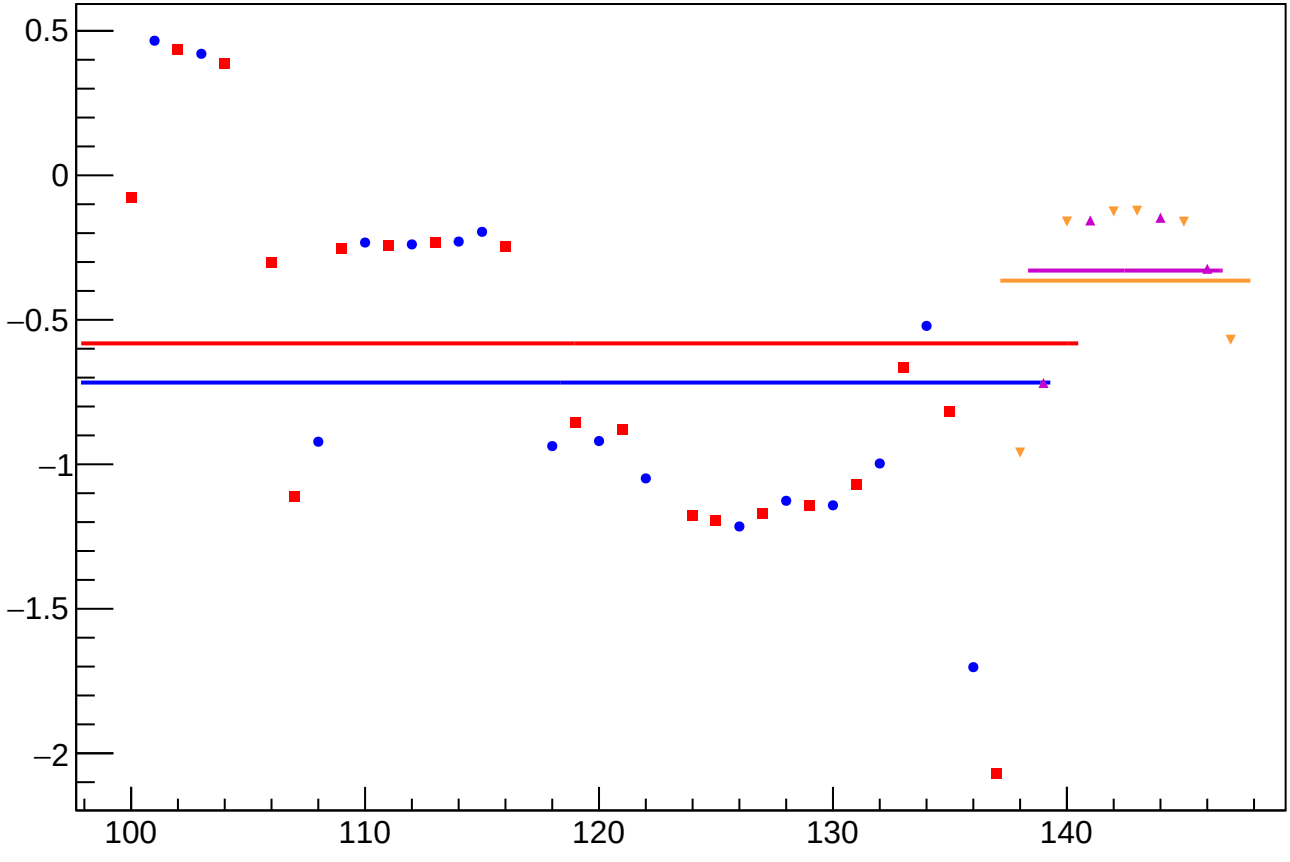
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.010+/-0.000 χ^2/NDF:1213615.3/19

Out: 0.010+/-0.000 χ^2/NDF:1868048.9/24

All: 0.010+/-0.000 χ^2/NDF: 3095514.4/44

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.364+/-0.000 χ^2/NDF:65485580.8/5

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.330+/-0.000 χ^2/NDF:26688194.0/3

Left: -0.349+/-0.000 χ^2/NDF: 92512872.3/9

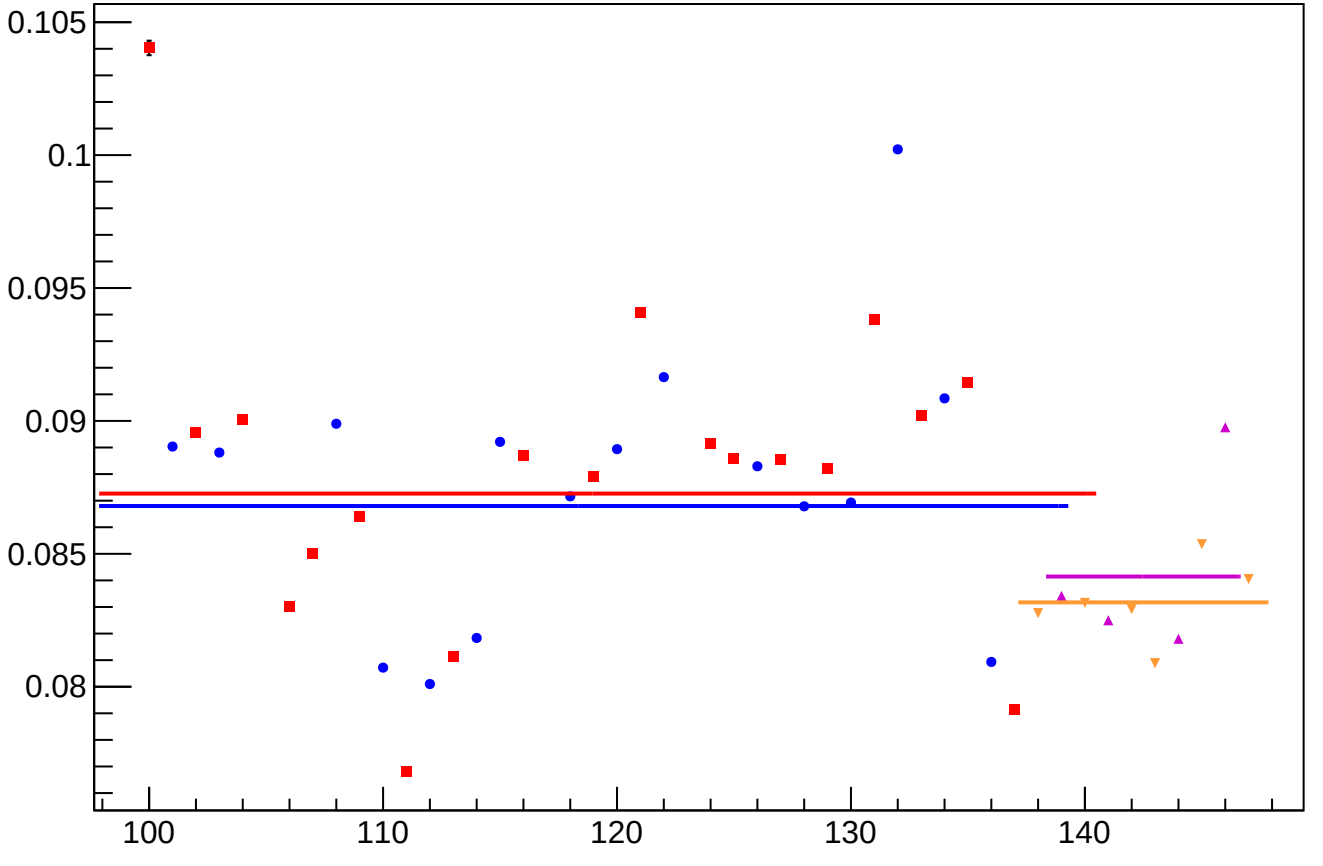
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.585+/-0.000 χ^2/NDF:512806123.7/19

Out: -0.495+/-0.000 χ^2/NDF:425880394.6/24

All: -0.537+/-0.000 χ^2/NDF: 944868835.6/44

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF:2561.1/5

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.084+/-0.000 χ^2/NDF:9149.7/3

Left: 0.084+/-0.000 χ^2/NDF: 12238.1/9

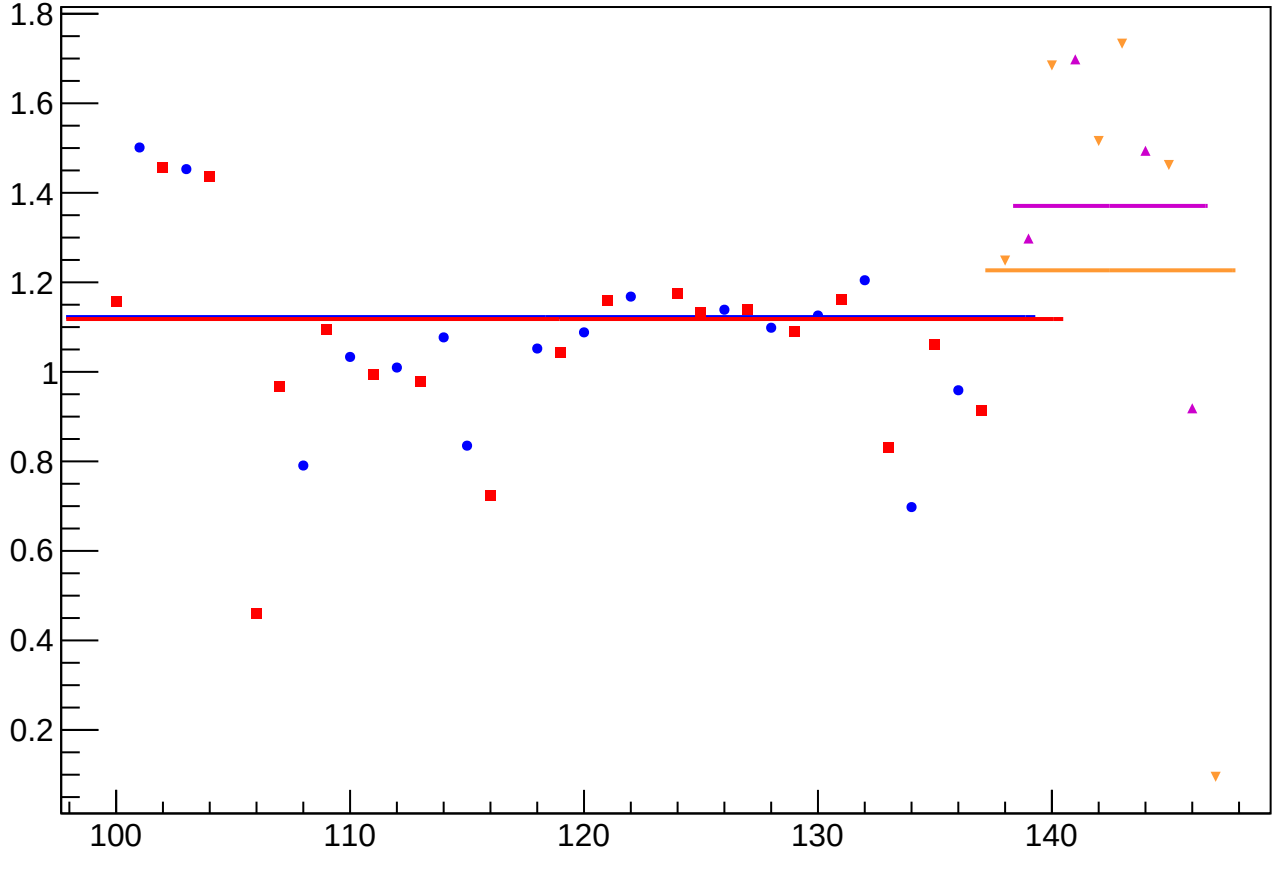
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:57288.5/19

Out: 0.086+/-0.000 χ^2/NDF:61747.9/24

All: 0.086+/-0.000 χ^2/NDF: 119137.3/44

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.227+/-0.000 χ^2/NDF:11337570131.8/5

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 1.371+/-0.000 χ^2/NDF:1674104017.7/3

Left: 1.288+/-0.000 χ^2/NDF: 13342623887.7/9

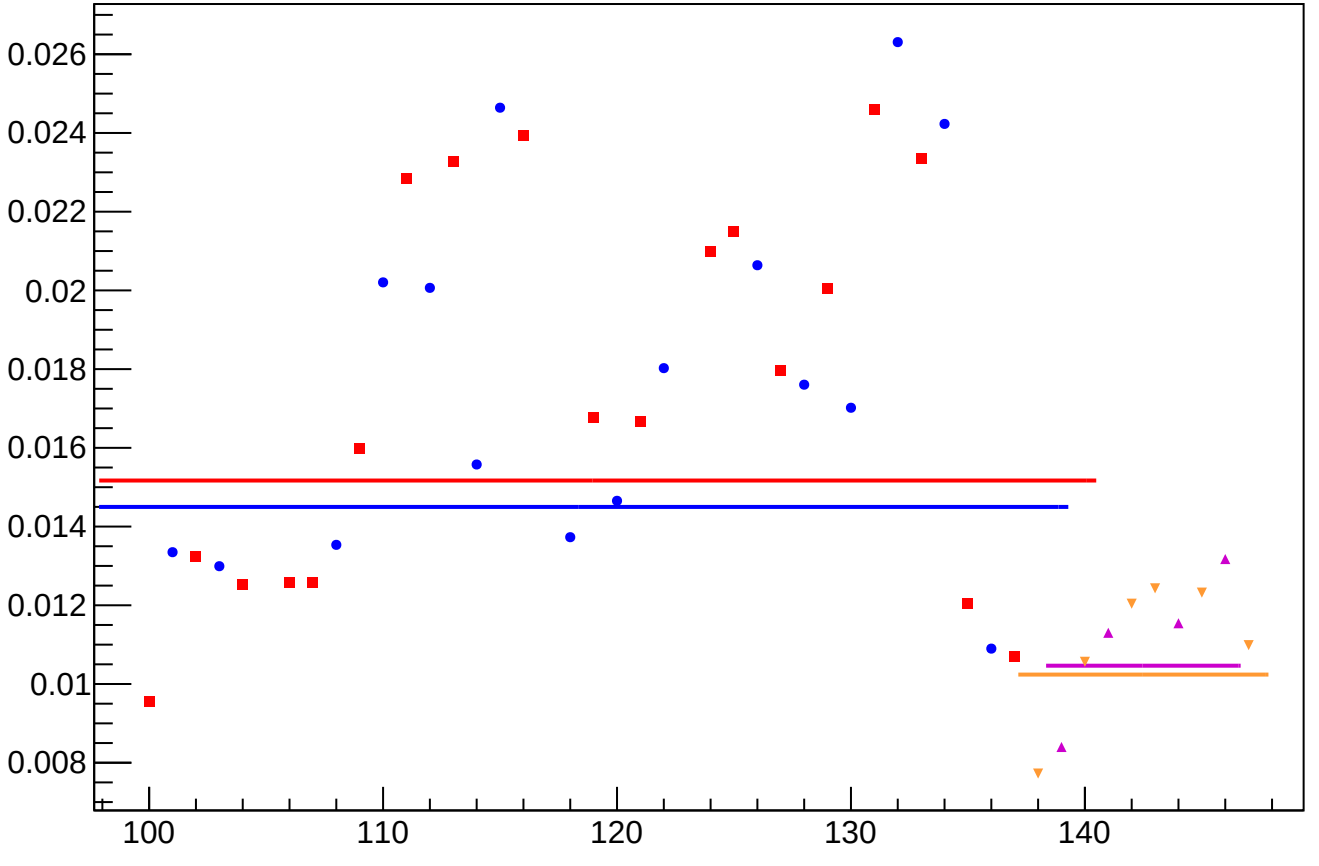
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.245+/-0.000 χ^2/NDF:3995093966.5/19

Out: 1.182+/-0.000 χ^2/NDF:13092443705.7/24

All: 1.211+/-0.000 χ^2/NDF: 17208568732.0/4

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:270957.5/5

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.010+/-0.000 χ^2/NDF:181667.0/3

Left: 0.010+/-0.000 χ^2/NDF: 454254.4/9

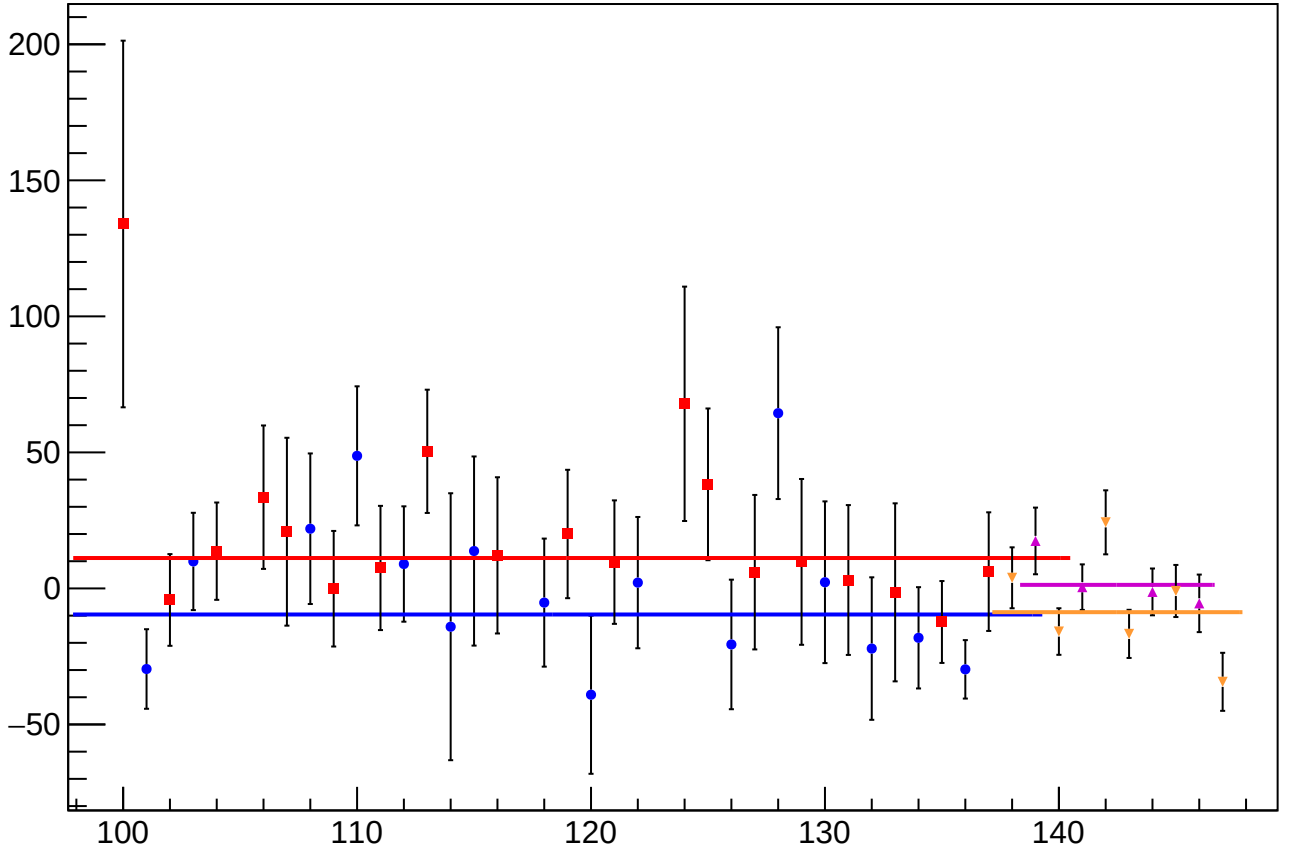
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.013+/-0.000 χ^2/NDF:1349246.0/19

Out: 0.012+/-0.000 χ^2/NDF:1893823.2/24

All: 0.012+/-0.000 χ^2/NDF: 3245930.0/44

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -8.729+/-4.038 χ^2/NDF:17.1/5

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.305+/-4.801 χ^2/NDF:2.3/3

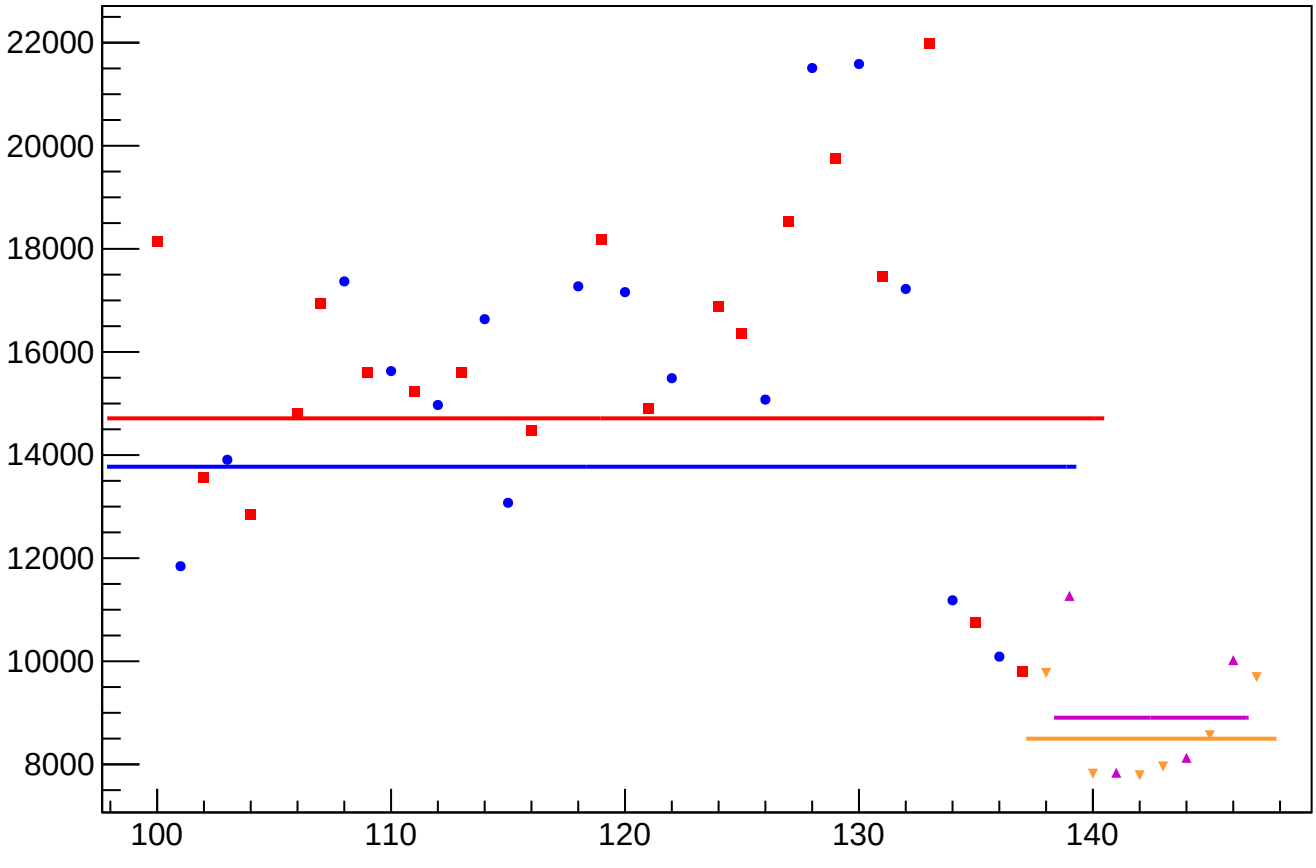
Left: -4.571+/-3.090 χ^2/NDF: 21.9/9

Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -3.611+/-3.555 χ^2/NDF:26.5/19

Out: -1.752+/-3.254 χ^2/NDF:39.5/24

All: -2.599+/-2.401 χ^2/NDF: 66.1/44



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8499.028+/-2.855 χ^2/NDF:78471.0/5

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 8905.437+/-3.395 χ^2/NDF:145595.3/3

Left: 8667.418+/-2.185 χ^2/NDF: 232460.5/9

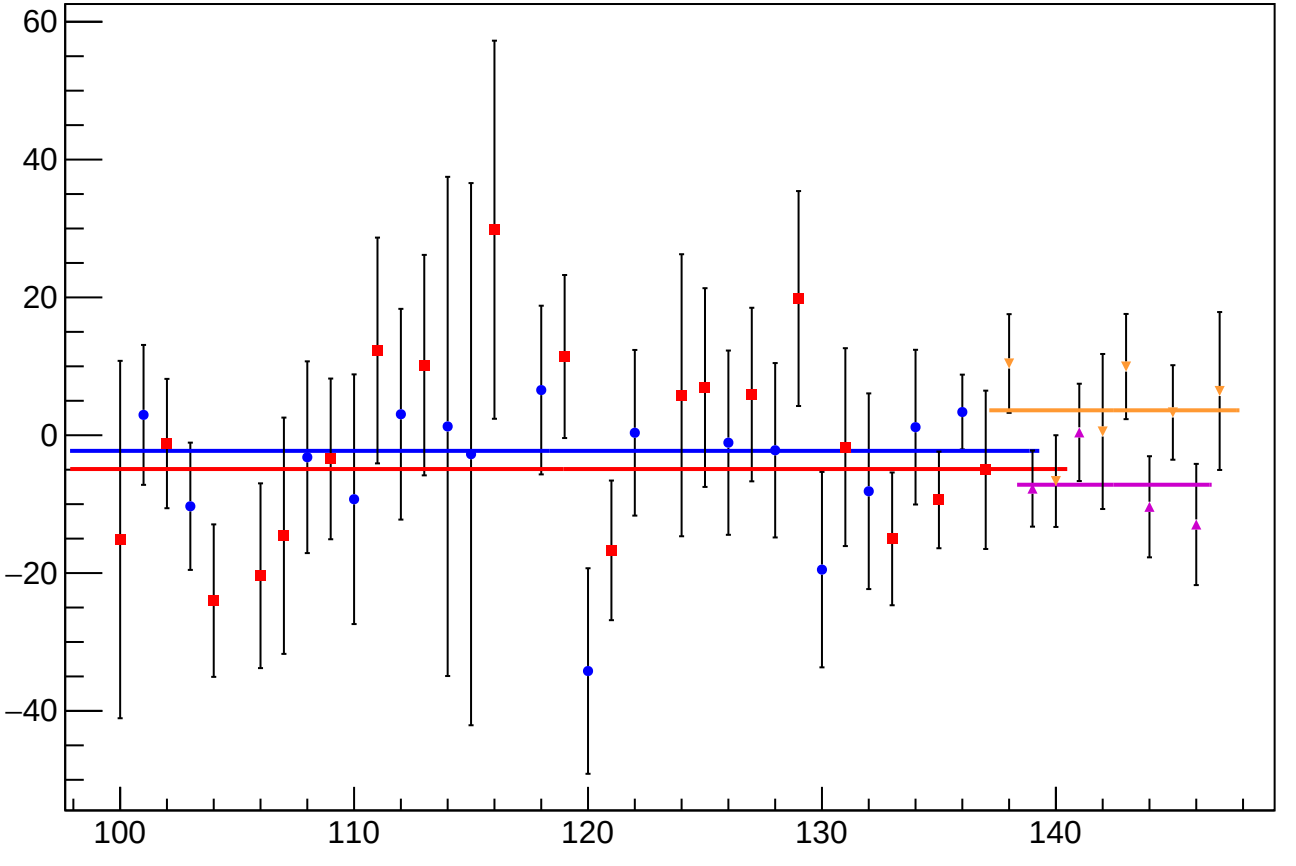
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 11103.883+/-2.514 χ^2/NDF:1821952.0/19

Out: 10676.564+/-2.301 χ^2/NDF:2295278.7/24

All: 10871.376+/-1.697 χ^2/NDF: 4132951.3/4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.618+/-3.227 χ^2/NDF:4.1/5

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -7.182+/-3.443 χ^2/NDF:1.8/3

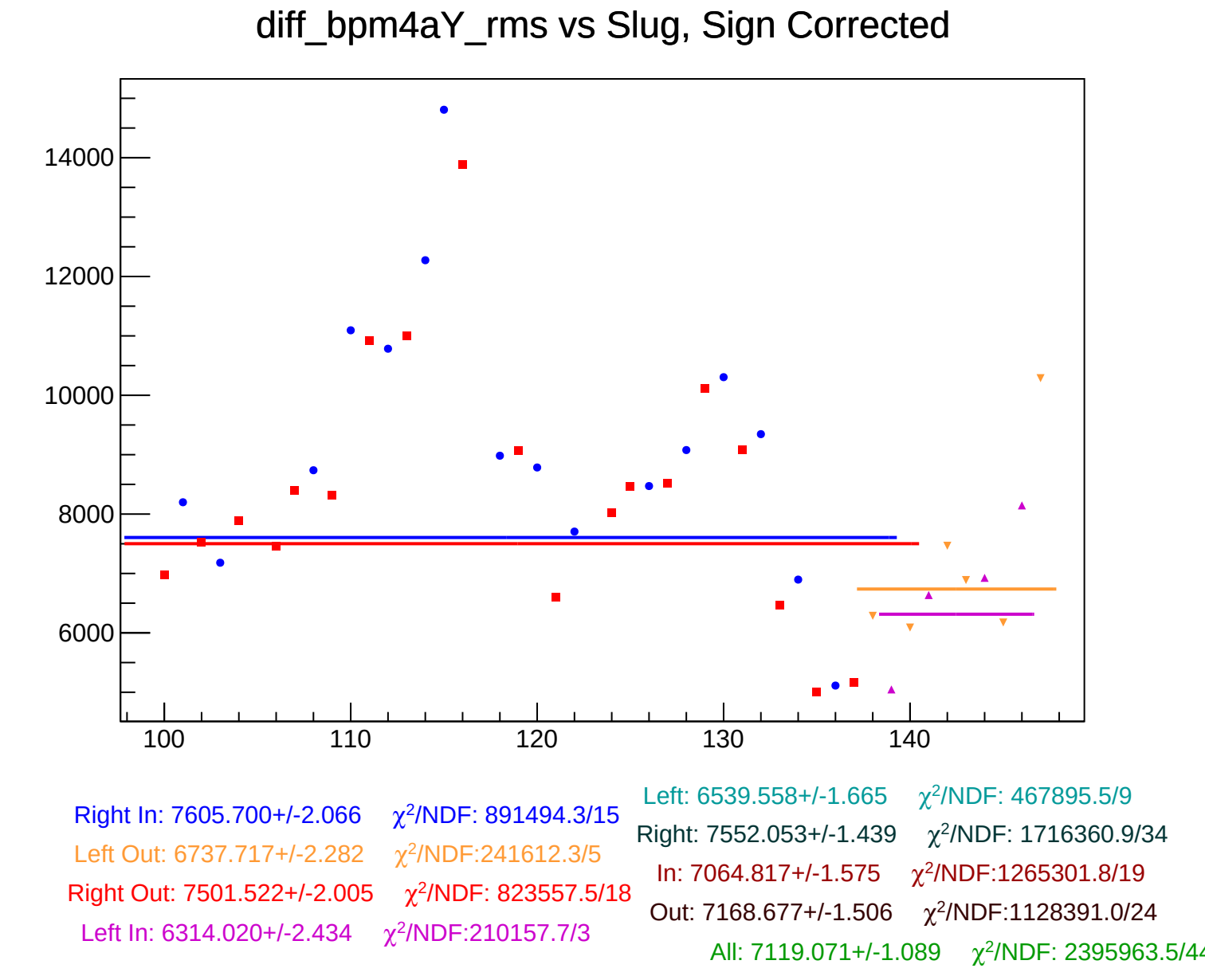
Left: -1.433+/-2.354 χ^2/NDF: 11.1/9

Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

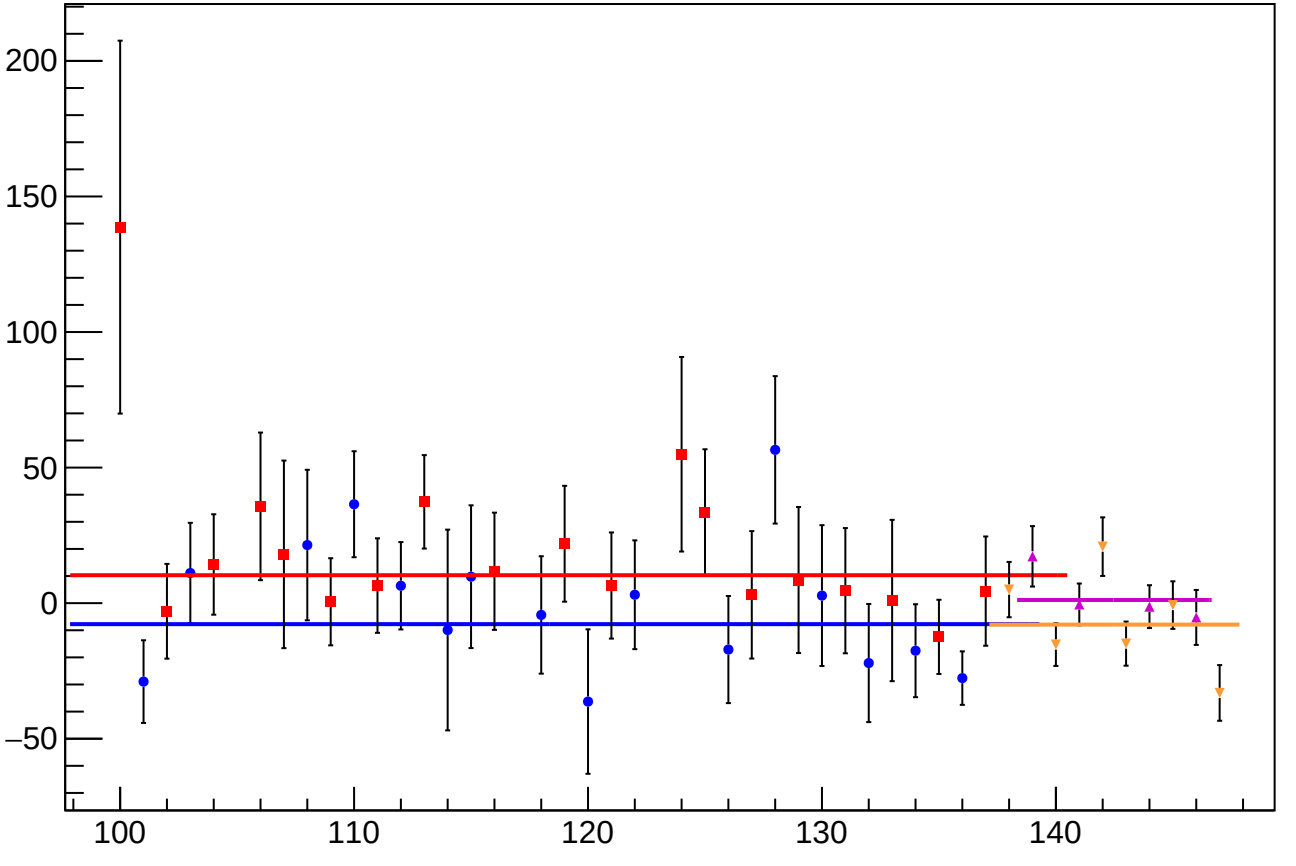
In: -4.325+/-2.228 χ^2/NDF:12.3/19

Out: -1.190+/-2.130 χ^2/NDF:25.6/24

All: -2.688+/-1.540 χ^2/NDF: 38.9/44


diff_bpm4aY_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
Right In: 7605.700+/-2.066 χ²/NDF: 891494.3/15
Left Out: 6737.717+/-2.282 χ²/NDF:241612.3/5
Right Out: 7501.522+/-2.005 χ²/NDF: 823557.5/18
Left In: 6314.020+/-2.434 χ²/NDF:210157.7/3
Left: 6539.558+/-1.665 χ²/NDF: 467895.5/9
Right: 7552.053+/-1.439 χ²/NDF: 1716360.9/34
In: 7064.817+/-1.575 χ²/NDF:1265301.8/19
Out: 7168.677+/-1.506 χ²/NDF:1128391.0/24
All: 7119.071+/-1.089 χ²/NDF: 2395963.5/44

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -7.911+/-3.730 χ^2/NDF:17.0/5

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.170+/-4.444 χ^2/NDF:2.6/3

Left: -4.157+/-2.857 χ^2/NDF: 22.1/9

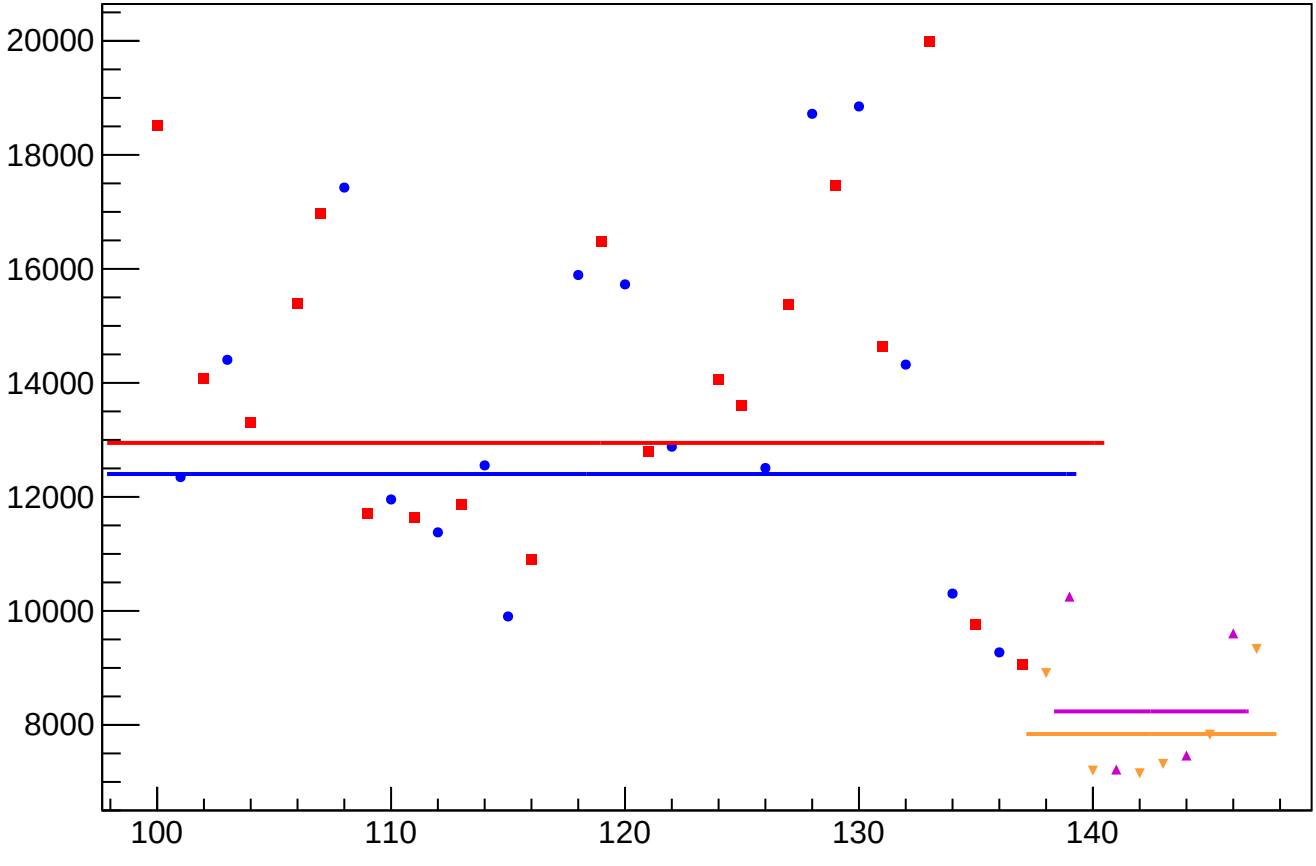
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.990+/-3.244 χ^2/NDF:27.2/19

Out: -1.122+/-2.954 χ^2/NDF:39.8/24

All: -1.969+/-2.184 χ^2/NDF: 67.2/44

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 7840.927+/-2.637 χ^2/NDF:93931.5/5

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8237.255+/-3.142 χ^2/NDF:155964.6/3

Left: 8004.736+/-2.020 χ^2/NDF: 259229.9/9

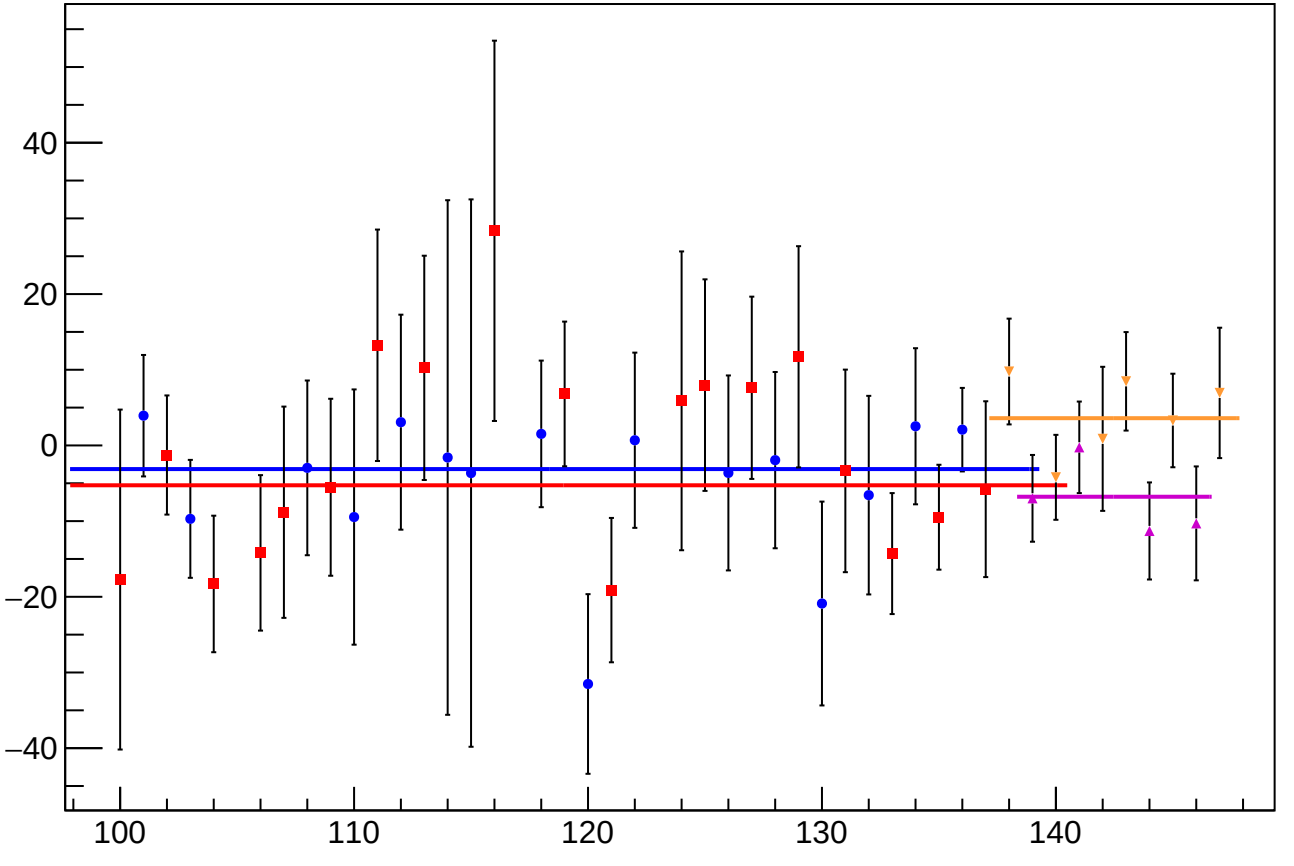
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10181.722+/-2.294 χ^2/NDF:1654448.1/19

Out: 9743.623+/-2.089 χ^2/NDF:2045955.0/24

All: 9942.207+/-1.545 χ^2/NDF: 3720339.5/44

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.601+/-2.811 χ^2/NDF:3.5/5

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -6.779+/-3.167 χ^2/NDF:1.9/3

Left: -0.974+/-2.102 χ^2/NDF: 11.4/9

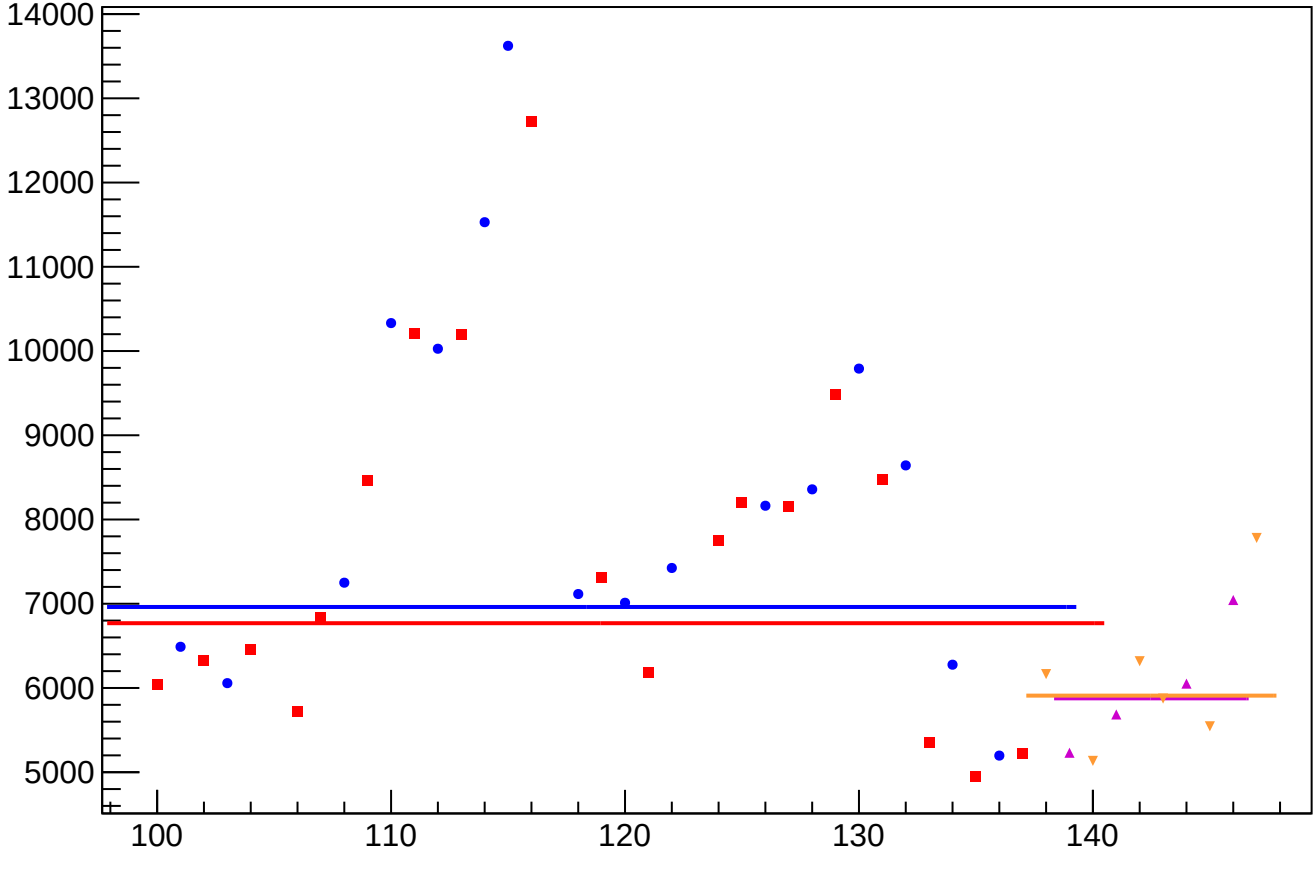
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -4.633+/-2.035 χ^2/NDF:13.6/19

Out: -1.257+/-1.890 χ^2/NDF:25.9/24

All: -2.821+/-1.385 χ^2/NDF: 40.9/44

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5909.201+/-1.988 χ^2/NDF:145910.4/5

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 5876.845+/-2.239 χ^2/NDF:76980.7/3

Left: 5894.941+/-1.487 χ^2/NDF: 223007.9/9

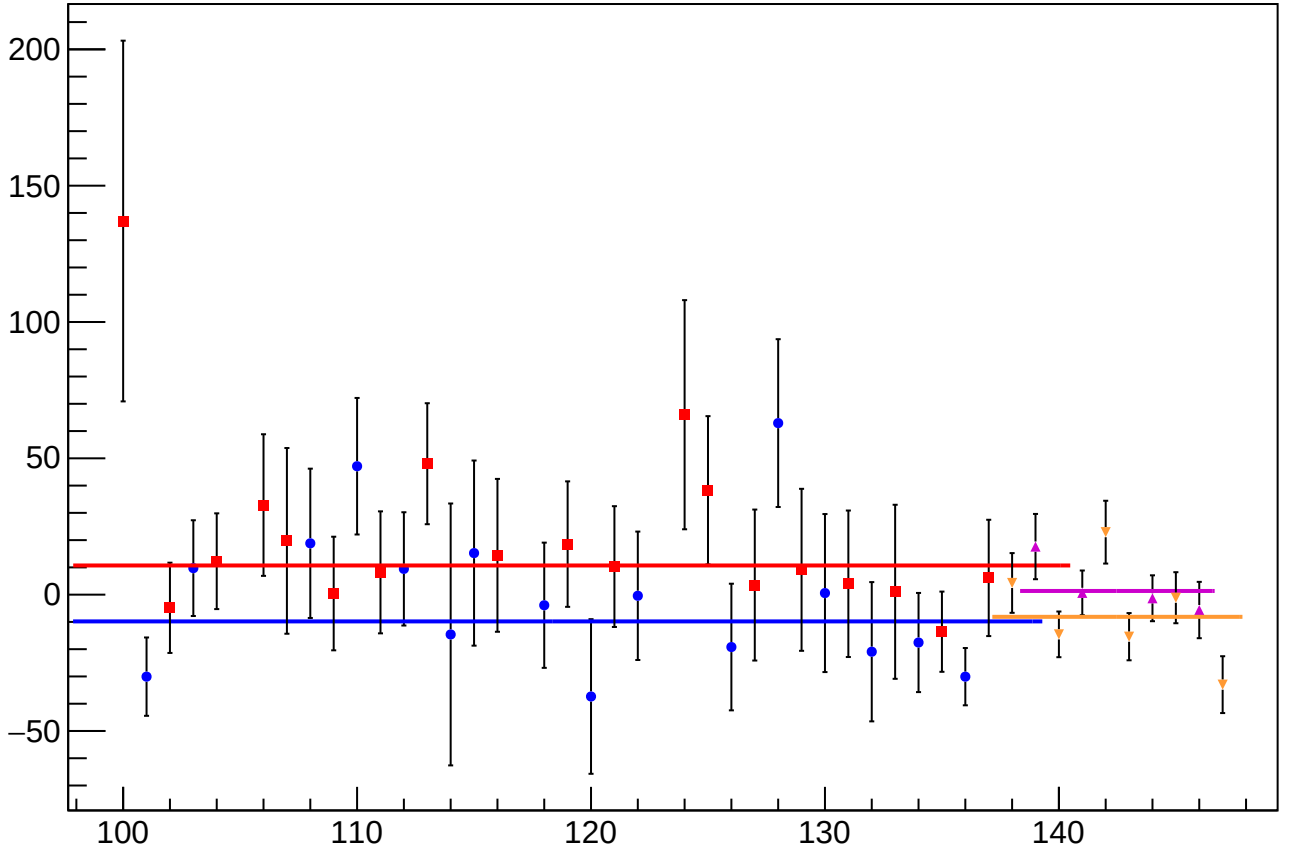
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6513.699+/-1.439 χ^2/NDF:911176.8/19

Out: 6380.368+/-1.336 χ^2/NDF:1046541.7/24

All: 6442.119+/-0.979 χ^2/NDF: 1962328.5/44

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -8.134+/-3.951 χ^2/NDF:16.1/5

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 1.353+/-4.696 χ^2/NDF:2.4/3

Left: -4.202+/-3.023 χ^2/NDF: 20.9/9

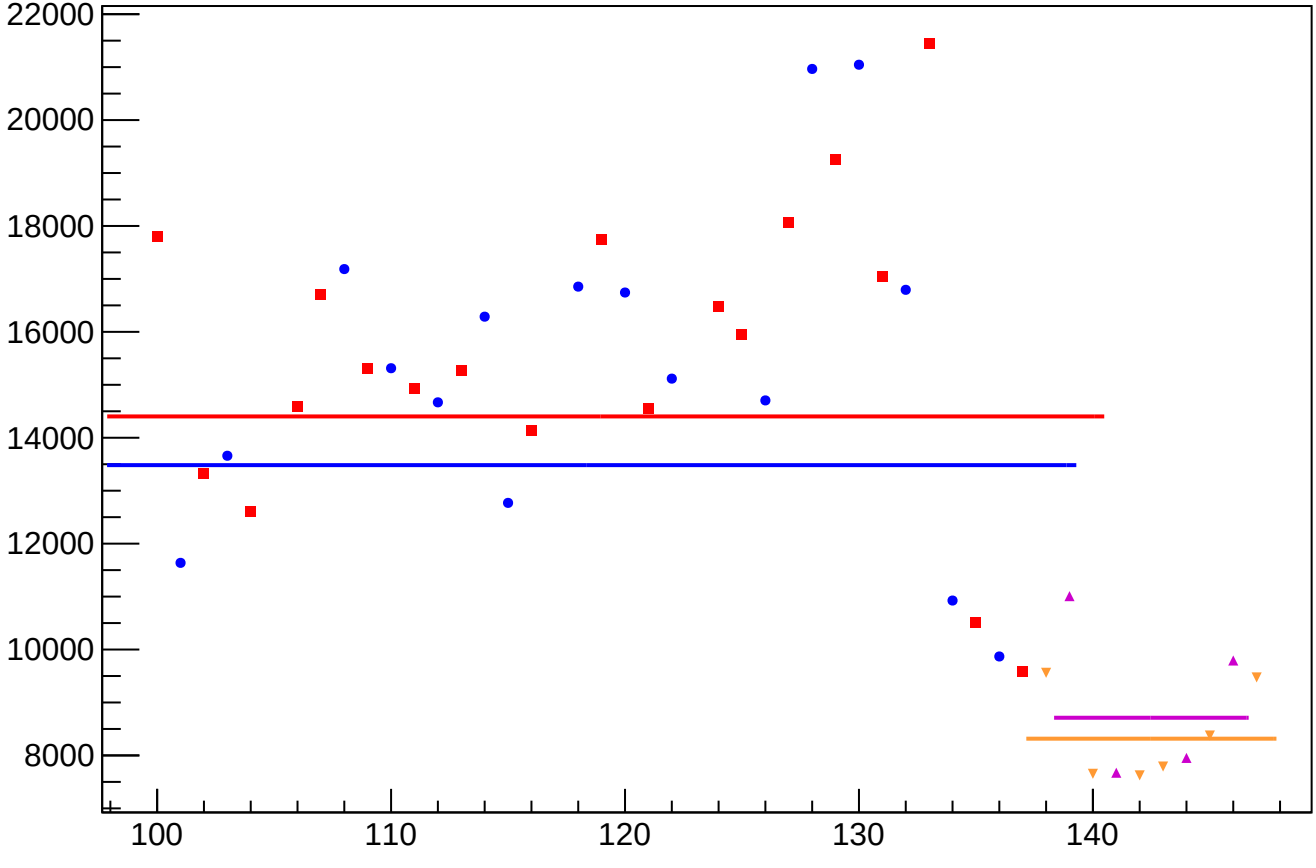
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -3.684+/-3.478 χ^2/NDF:27.0/19

Out: -1.535+/-3.184 χ^2/NDF:38.4/24

All: -2.515+/-2.349 χ^2/NDF: 65.6/44

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8316.456+/-2.794 χ^2/NDF:77691.8/5

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8711.668+/-3.320 χ^2/NDF:143880.8/3

Left: 8480.269+/-2.138 χ^2/NDF: 229868.2/9

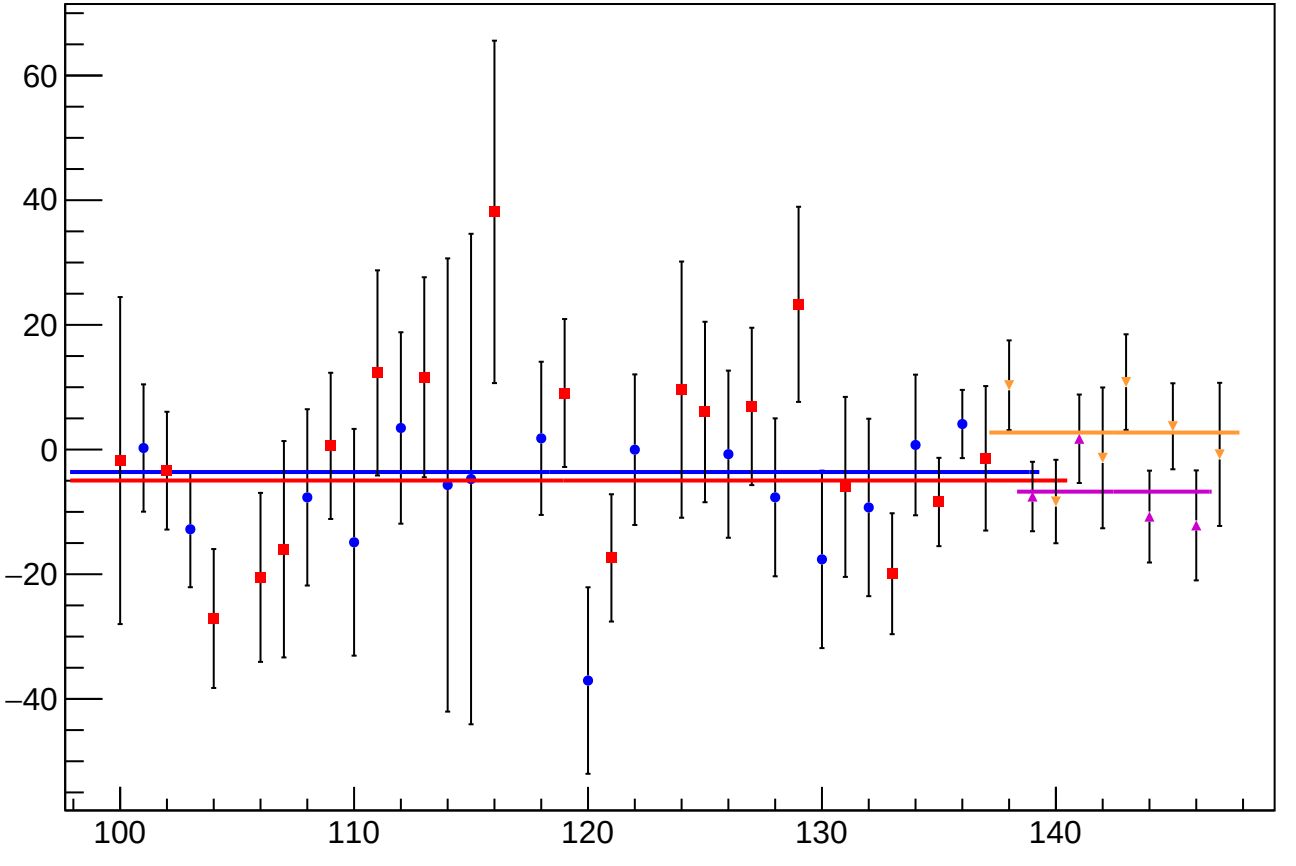
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10864.665+/-2.460 χ^2/NDF:1819400.2/19

Out: 10448.368+/-2.252 χ^2/NDF:2292723.1/24

All: 10638.191+/-1.661 χ^2/NDF: 4127708.1/4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 2.727+/-3.243 χ^2/NDF:5.2/5

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -6.752+/-3.463 χ^2/NDF:2.1/3

Left: -1.701+/-2.367 χ^2/NDF: 11.3/9

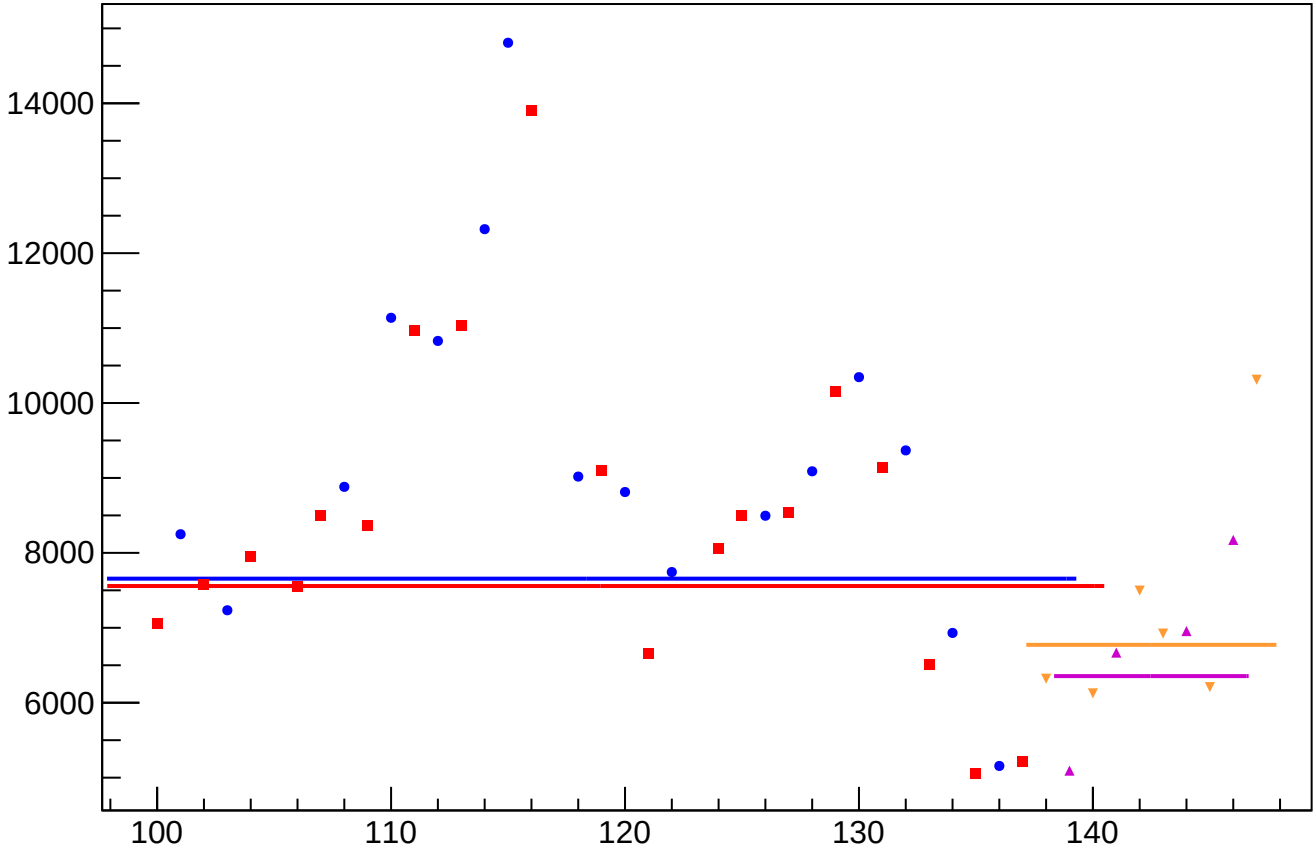
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -4.923+/-2.241 χ^2/NDF:13.1/19

Out: -1.606+/-2.143 χ^2/NDF:29.7/24

All: -3.190+/-1.549 χ^2/NDF: 44.0/44

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6772.590+/-2.293 χ^2/NDF:238939.8/5

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6355.364+/-2.449 χ^2/NDF:204730.9/3

Left: 6577.678+/-1.674 χ^2/NDF: 459136.4/9

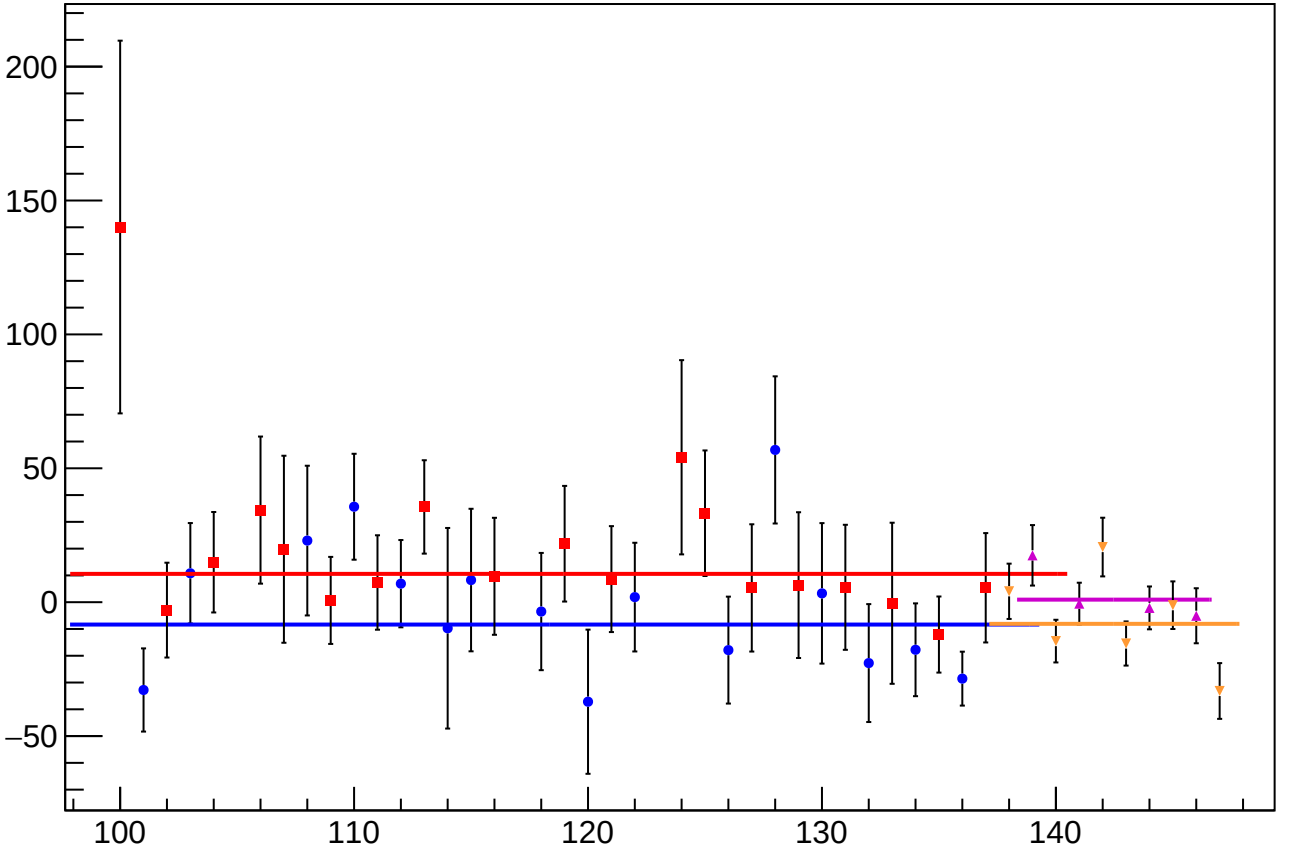
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7111.206+/-1.585 χ^2/NDF:1248397.5/19

Out: 7214.714+/-1.515 χ^2/NDF:1114797.2/24

All: 7165.279+/-1.095 χ^2/NDF: 2365423.1/44

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -8.086+/-3.778 χ^2/NDF:16.1/5

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 0.954+/-4.503 χ^2/NDF:2.7/3

Left: -4.351+/-2.894 χ^2/NDF: 21.1/9

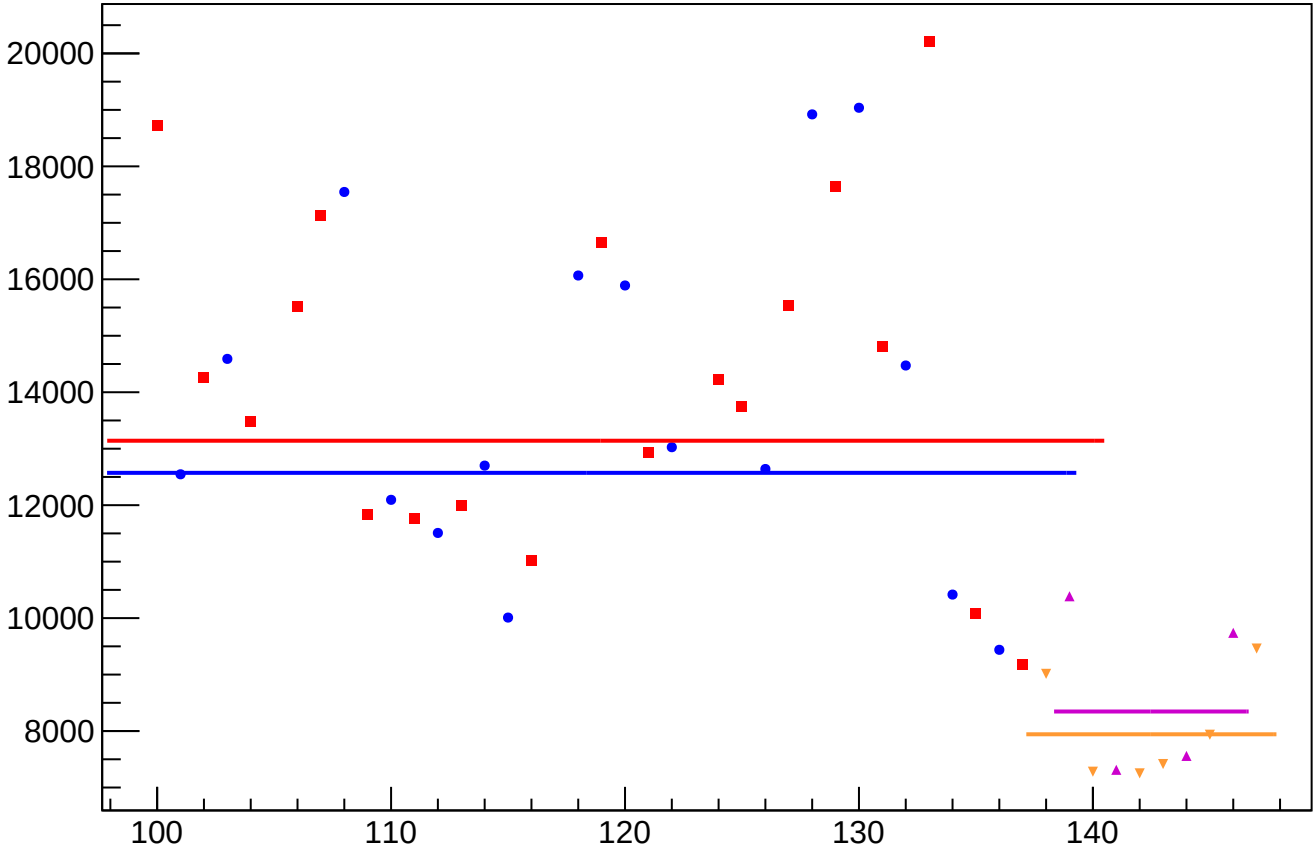
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -3.389+/-3.288 χ^2/NDF:27.9/19

Out: -1.148+/-2.995 χ^2/NDF:38.1/24

All: -2.164+/-2.214 χ^2/NDF: 66.2/44

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 7942.775+/-2.672 χ^2/NDF:94019.0/5

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8346.106+/-3.184 χ^2/NDF:156344.4/3

Left: 8109.433+/-2.047 χ^2/NDF: 259780.7/9

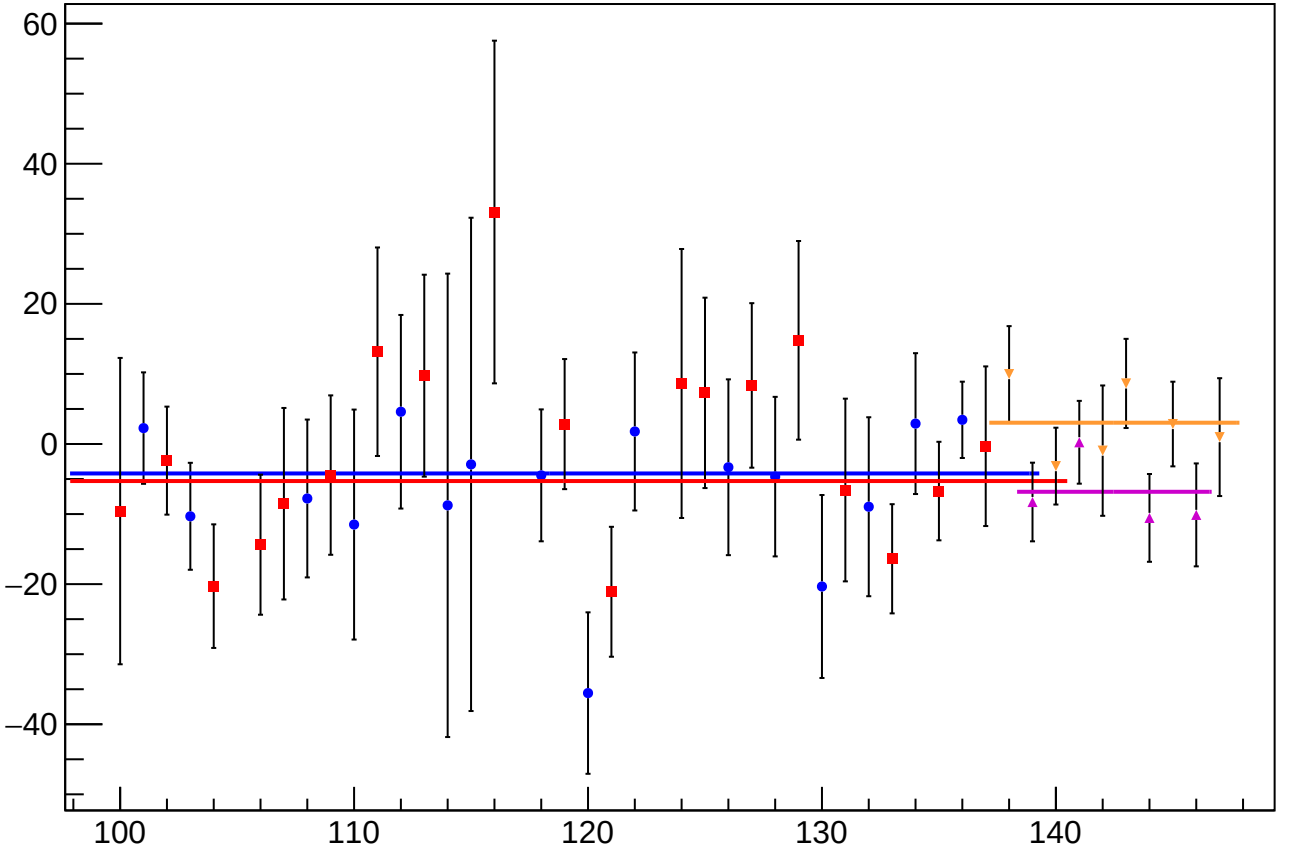
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10318.321+/-2.325 χ^2/NDF:1643703.9/19

Out: 9875.734+/-2.117 χ^2/NDF:2036513.0/24

All: 10076.382+/-1.566 χ^2/NDF: 3700022.7/4

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.038+/-2.749 χ^2/NDF:3.3/5

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -6.821+/-3.095 χ^2/NDF:2.1/3

Left: -1.309+/-2.055 χ^2/NDF: 11.0/9

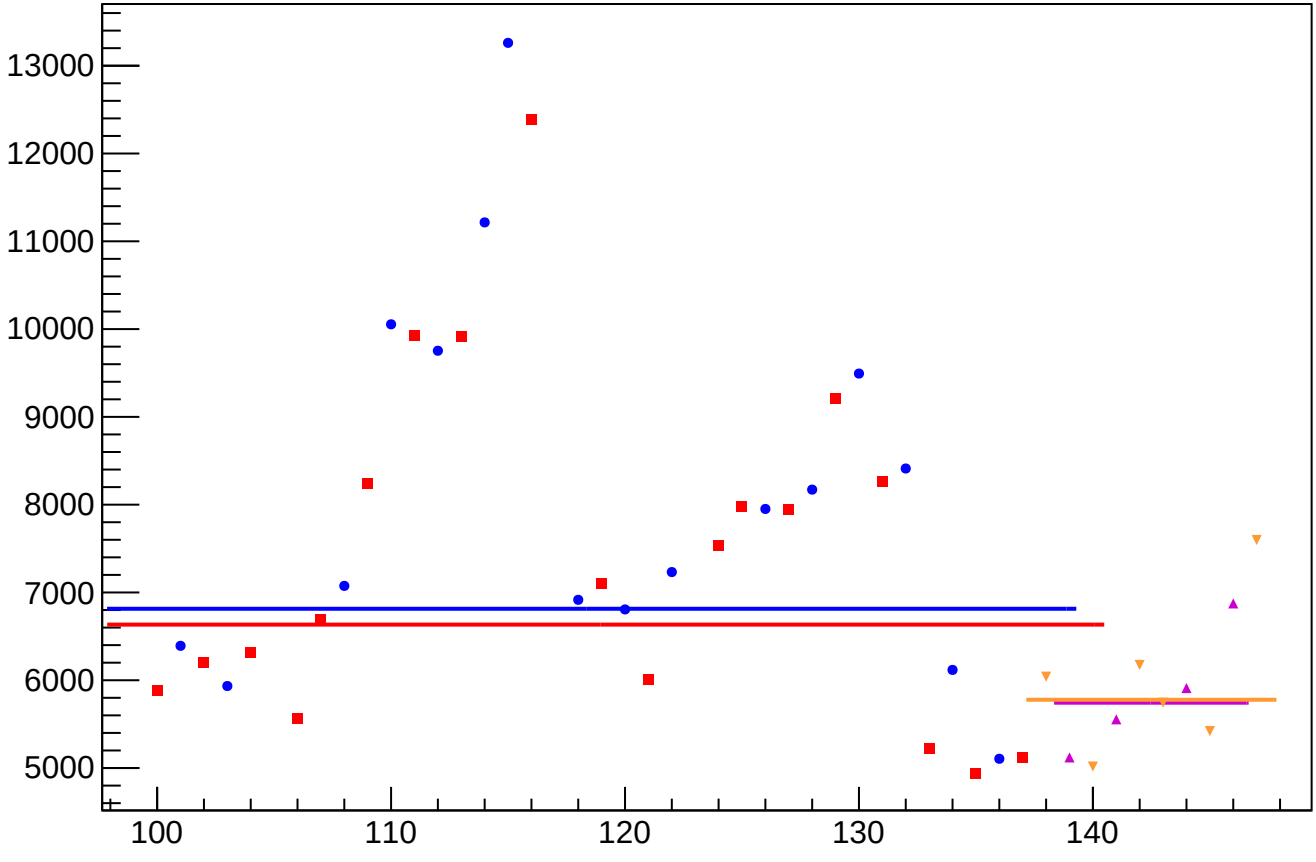
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -5.287+/-1.991 χ^2/NDF:16.3/19

Out: -1.515+/-1.850 χ^2/NDF:28.1/24

All: -3.263+/-1.355 χ^2/NDF: 46.3/44

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5777.798+/-1.944 χ^2/NDF:145739.8/5

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5744.379+/-2.189 χ^2/NDF:75525.6/3

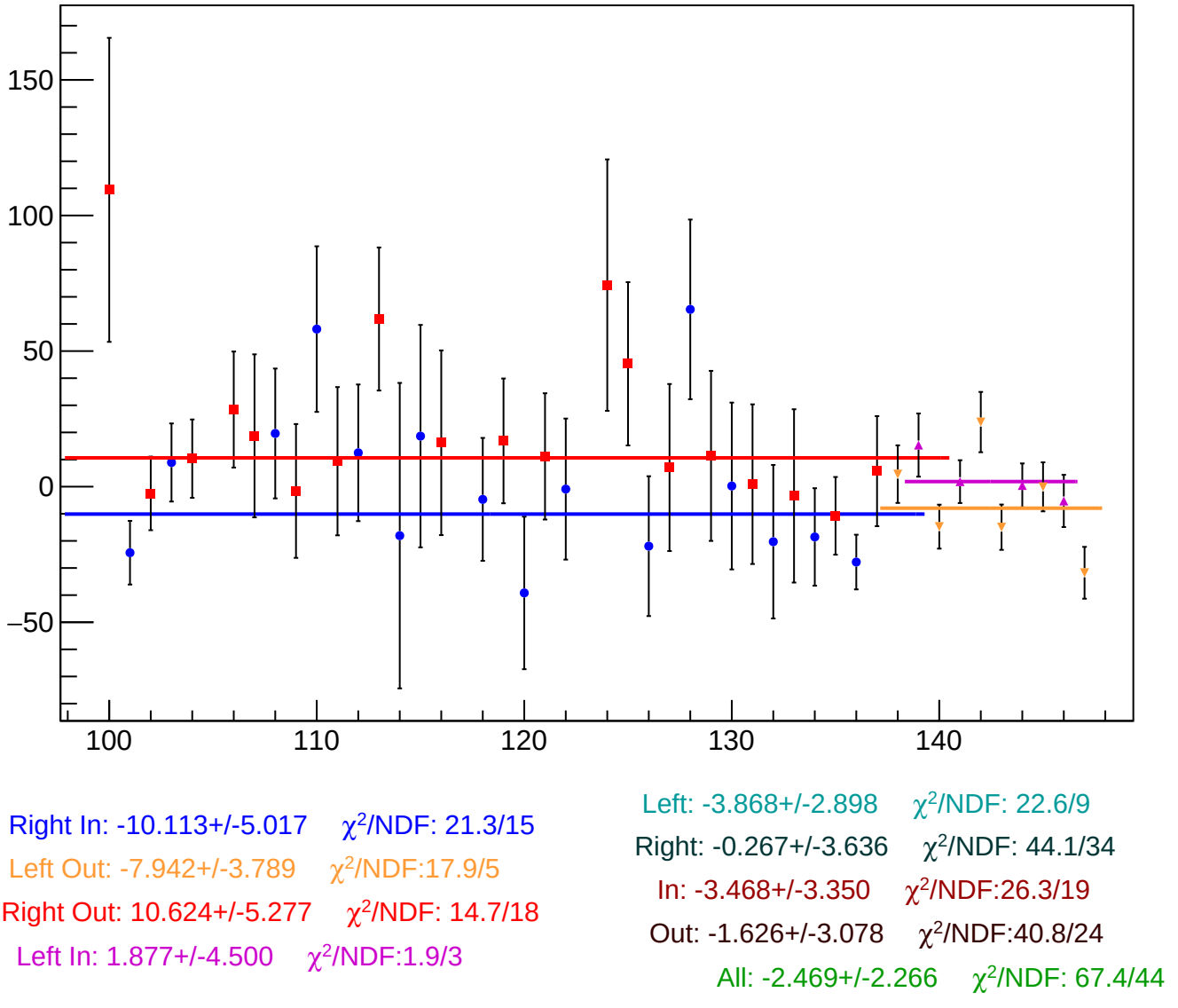
Left: 5763.064+/-1.453 χ^2/NDF: 221395.7/9

Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

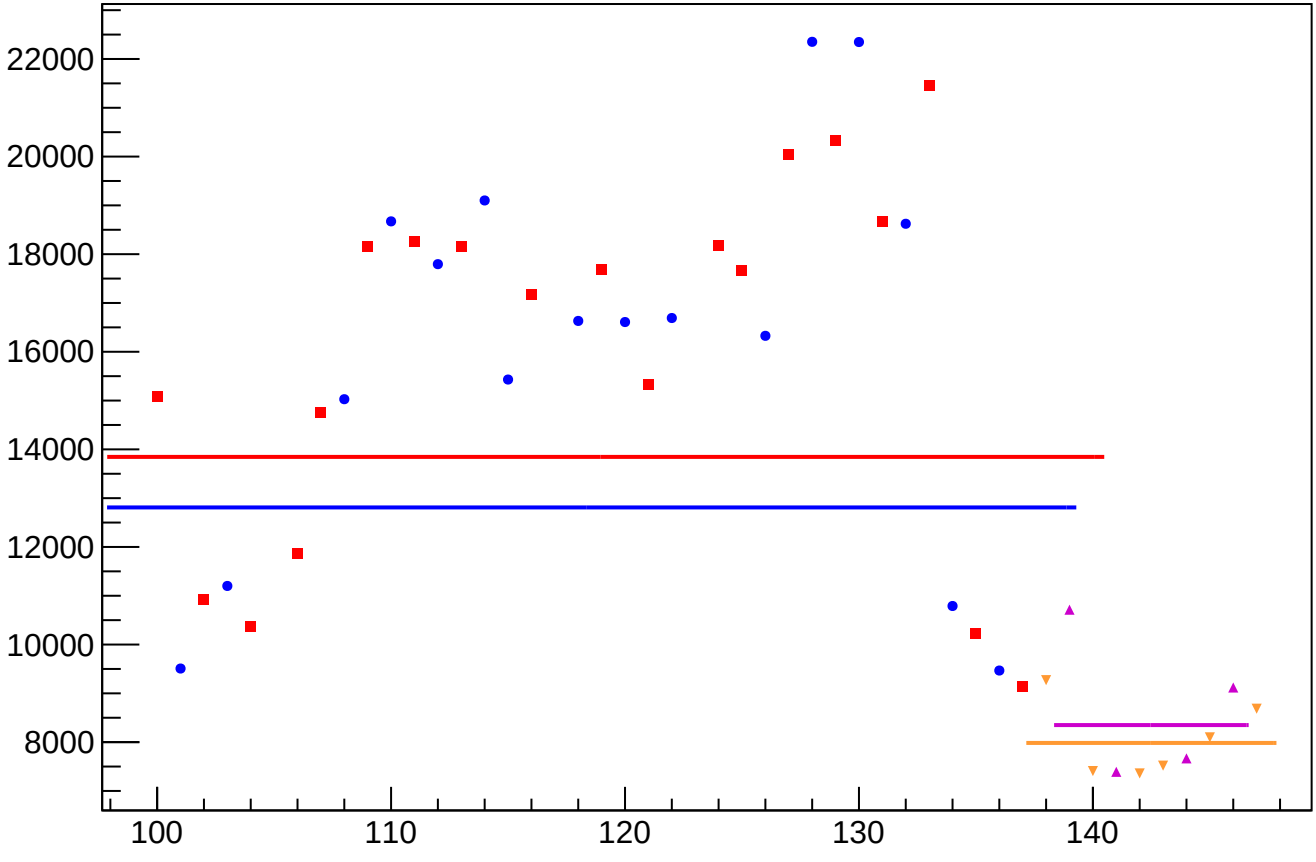
In: 6371.572+/-1.408 χ^2/NDF:889716.2/19

Out: 6245.845+/-1.308 χ^2/NDF:1015143.8/24

All: 6304.109+/-0.958 χ^2/NDF: 1909139.6/44


diff_bpm1X_mean vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
Right In: -10.113+/-5.017 χ²/NDF: 21.3/15
Left Out: -7.942+/-3.789 χ²/NDF:17.9/5
Right Out: 10.624+/-5.277 χ²/NDF: 14.7/18
Left In: 1.877+/-4.500 χ²/NDF:1.9/3
Left: -3.868+/-2.898 χ²/NDF: 22.6/9
Right: -0.267+/-3.636 χ²/NDF: 44.1/34
In: -3.468+/-3.350 χ²/NDF:26.3/19
Out: -1.626+/-3.078 χ²/NDF:40.8/24
All: -2.469+/-2.266 χ²/NDF: 67.4/44

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 7983.935+/-2.679 χ^2/NDF:63055.2/5

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8349.877+/-3.182 χ^2/NDF:138756.1/3

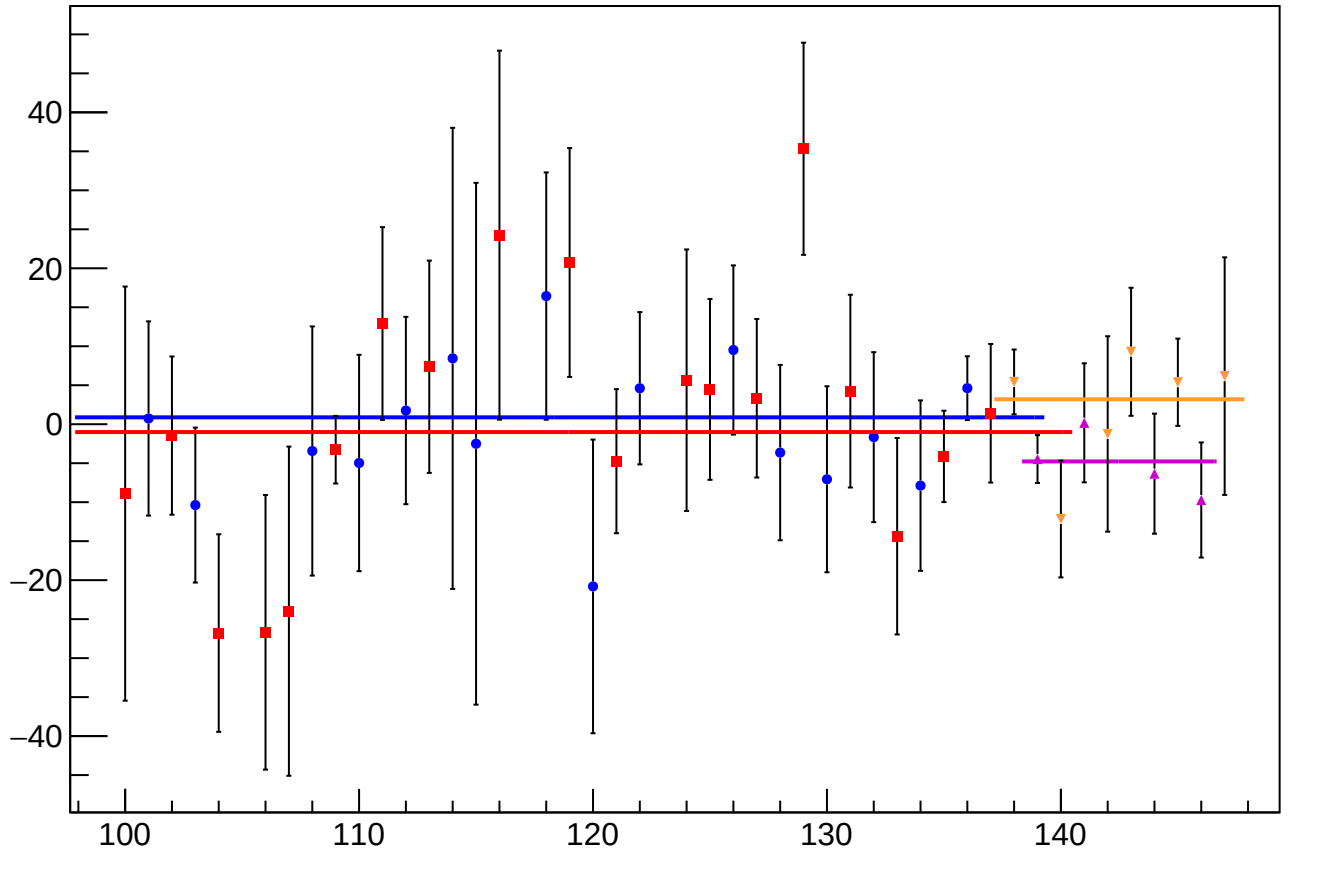
Left: 8135.747+/-2.049 χ^2/NDF: 209551.2/9

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 10338.138+/-2.369 χ^2/NDF:2262926.8/19

Out: 9977.989+/-2.176 χ^2/NDF:2788070.3/24

All: 10142.836+/-1.603 χ^2/NDF: 5063533.1/4



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 3.198+/-2.740 χ^2/NDF:5.4/5

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -4.773+/-2.513 χ^2/NDF:0.9/3

Left: -1.131+/-1.852 χ^2/NDF: 10.9/9

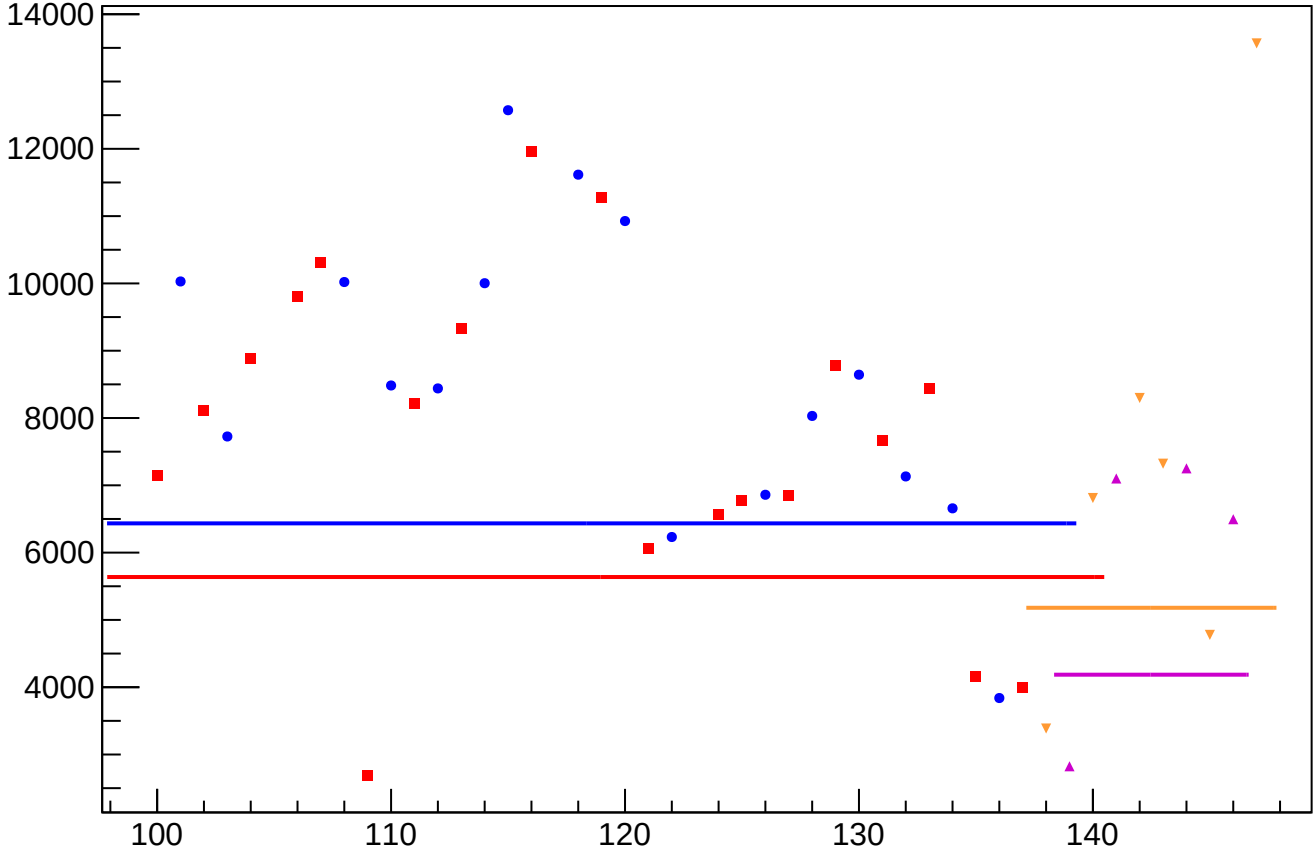
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -2.004+/-1.796 χ^2/NDF:10.2/19

Out: 0.744+/-1.768 χ^2/NDF:29.0/24

All: -0.609+/-1.260 χ^2/NDF: 40.4/44

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5180.304+/-1.938 χ^2/NDF:1343827.1/5

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4186.051+/-1.777 χ^2/NDF:1196977.8/3

Left: 4640.332+/-1.310 χ^2/NDF: 2683808.2/9

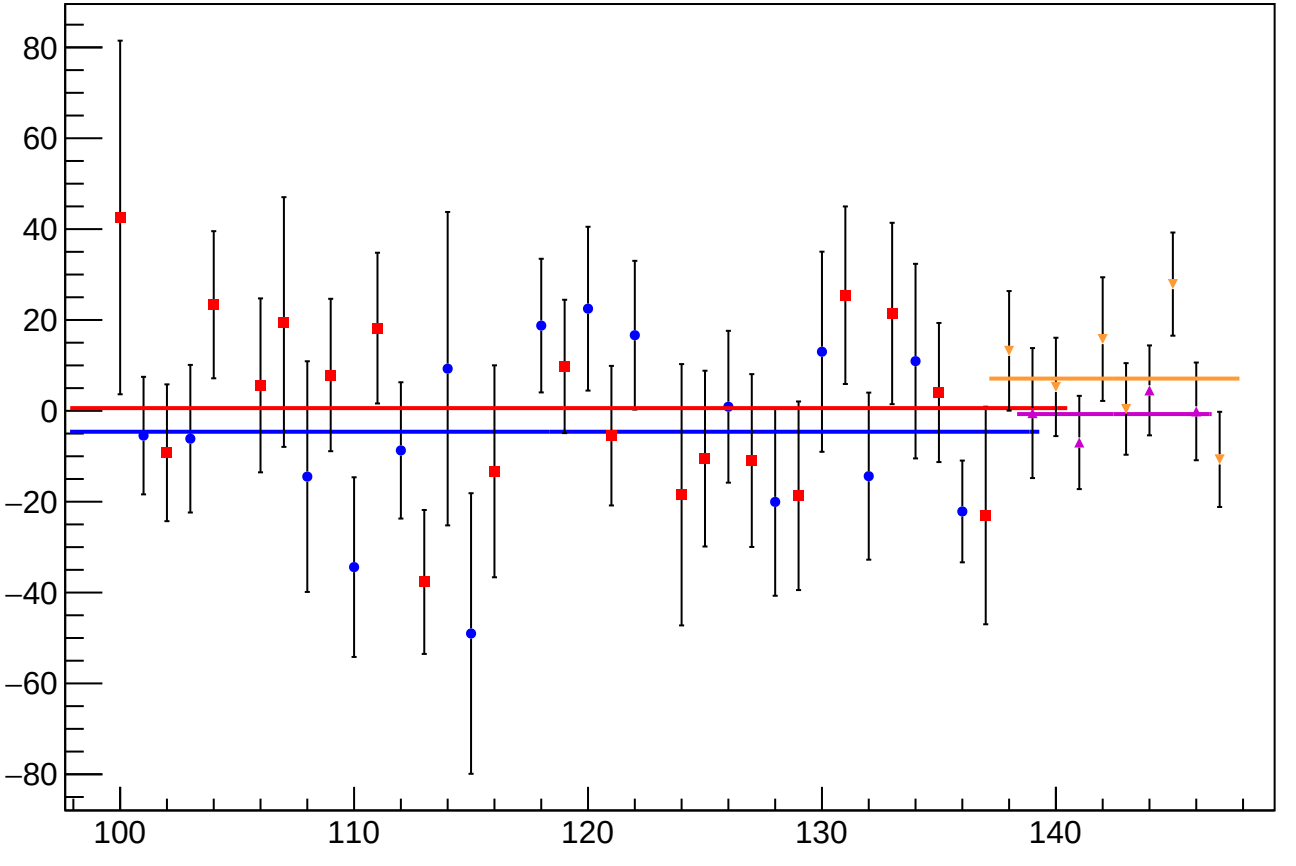
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5286.968+/-1.270 χ^2/NDF:3731330.2/19

Out: 5447.100+/-1.250 χ^2/NDF:3956320.3/24

All: 5368.277+/-0.891 χ^2/NDF: 7695727.5/44

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 7.100+/-4.642 χ^2/NDF:7.3/5

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: -0.710+/-5.485 χ^2/NDF:0.7/3

Left: 3.841+/-3.543 χ^2/NDF: 9.2/9

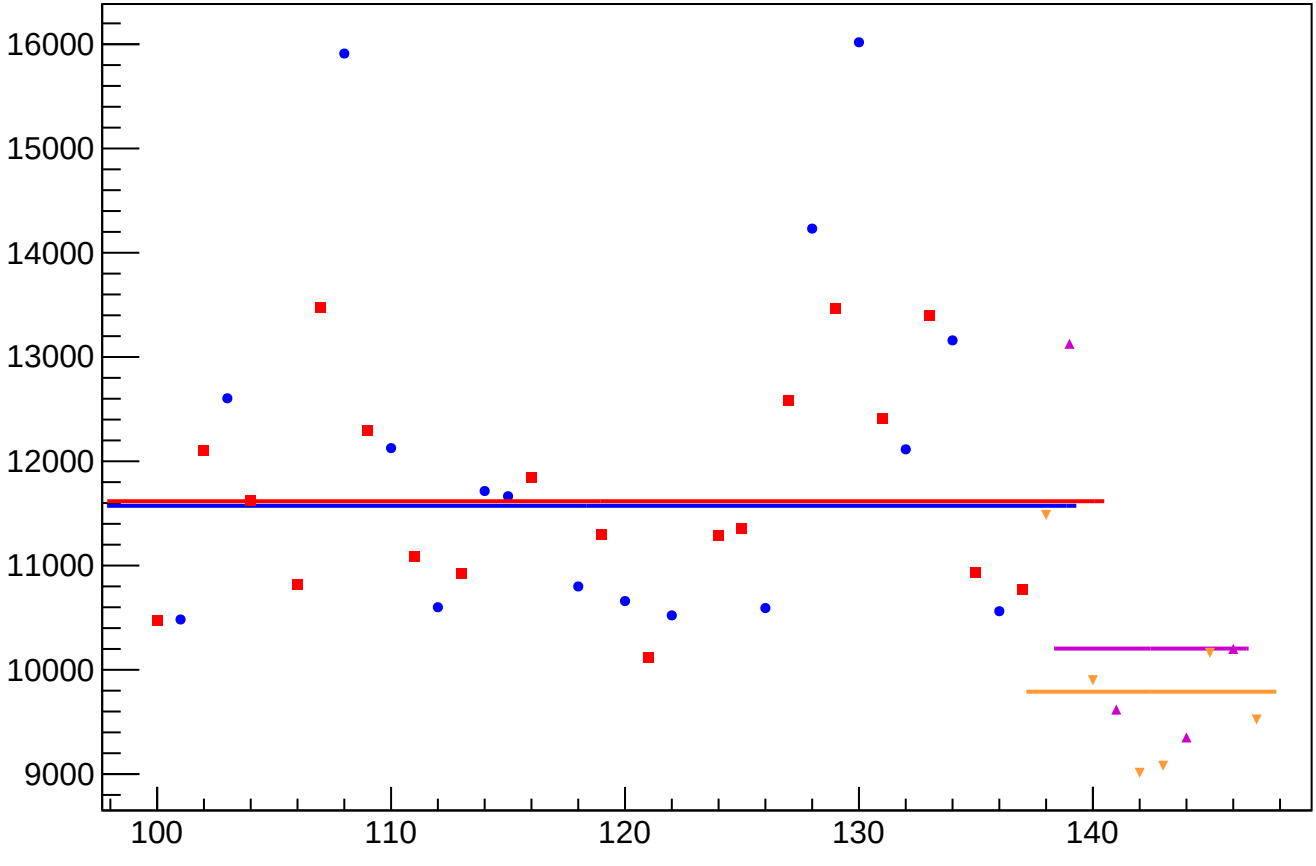
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -3.097+/-3.411 χ^2/NDF:16.7/19

Out: 3.577+/-3.141 χ^2/NDF:26.3/24

All: 0.514+/-2.311 χ^2/NDF: 45.1/44

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9790.083+/-3.282 χ^2/NDF:53302.2/5

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 10203.770+/-3.879 χ^2/NDF:104841.3/3

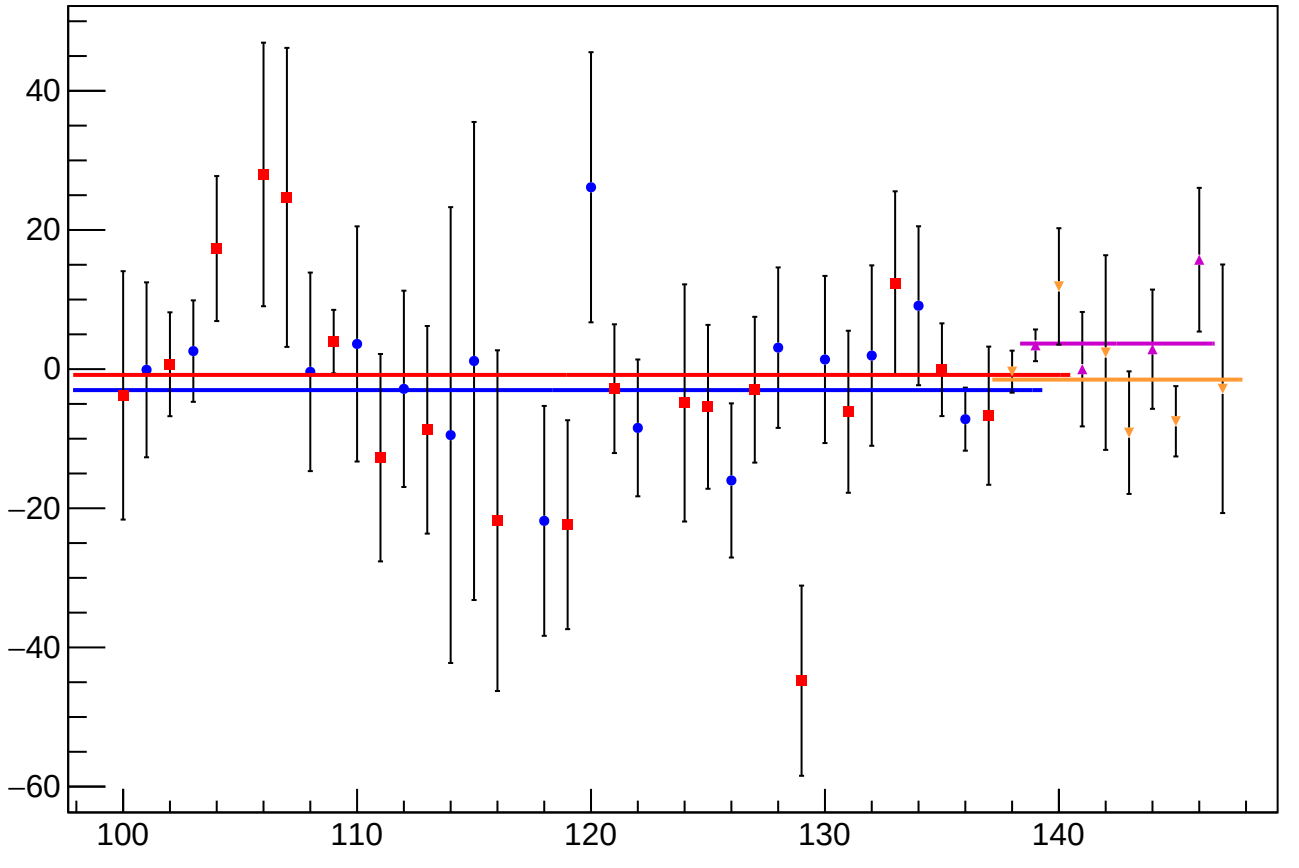
Left: 9962.703+/-2.505 χ^2/NDF: 164772.6/9

Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11043.691+/-2.412 χ^2/NDF:441358.9/19

Out: 10780.213+/-2.221 χ^2/NDF:314367.1/24

All: 10901.134+/-1.634 χ^2/NDF: 762184.1/44



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.506+/-2.329 χ^2/NDF:4.9/5

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 3.671+/-2.085 χ^2/NDF:1.6/3

Left: 1.368+/-1.553 χ^2/NDF: 9.3/9

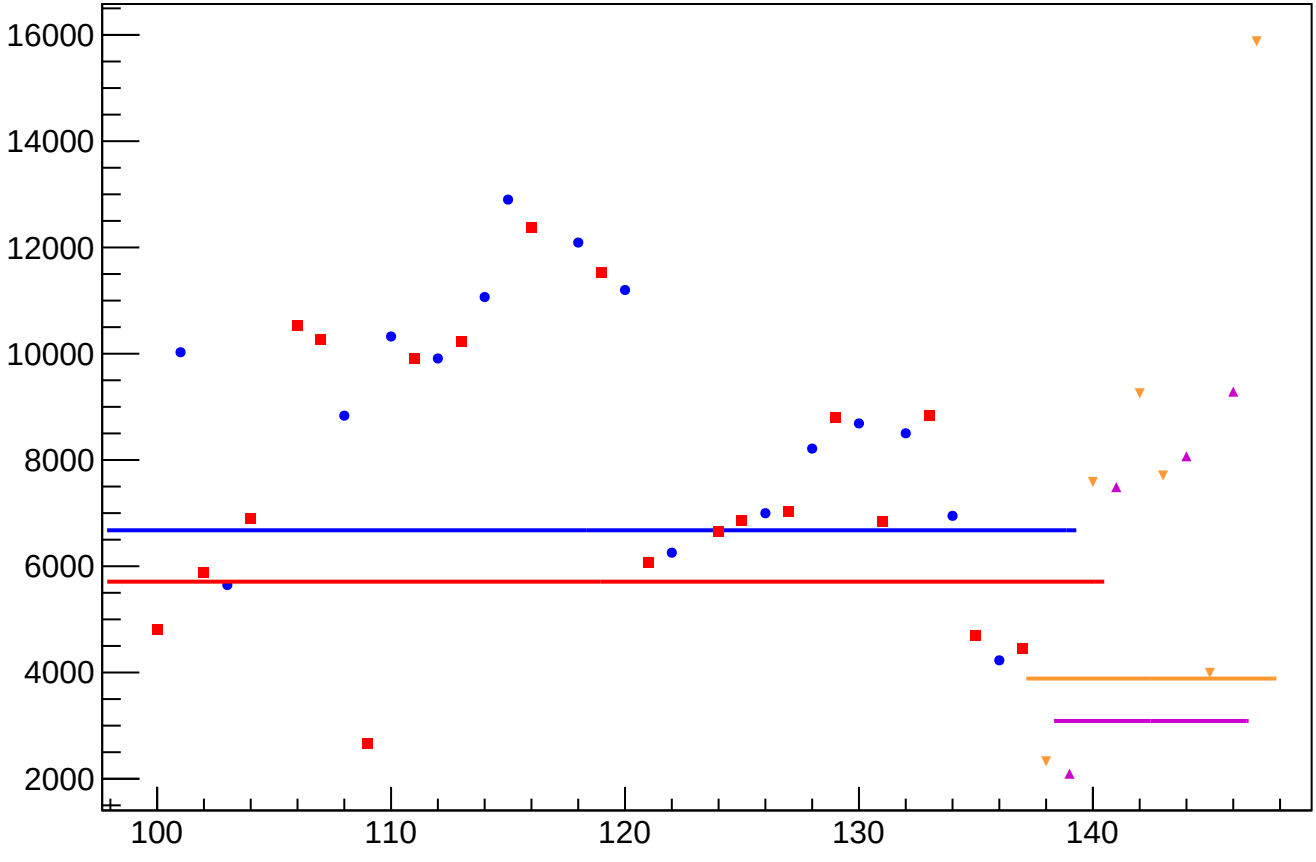
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 1.120+/-1.639 χ^2/NDF:14.2/19

Out: -1.172+/-1.655 χ^2/NDF:28.8/24

All: -0.015+/-1.165 χ^2/NDF: 43.9/44

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 3886.679+/-1.647 χ^2/NDF:2497633.5/5

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 3088.253+/-1.474 χ^2/NDF:2348038.6/3

Left: 3443.431+/-1.098 χ^2/NDF: 4976192.5/9

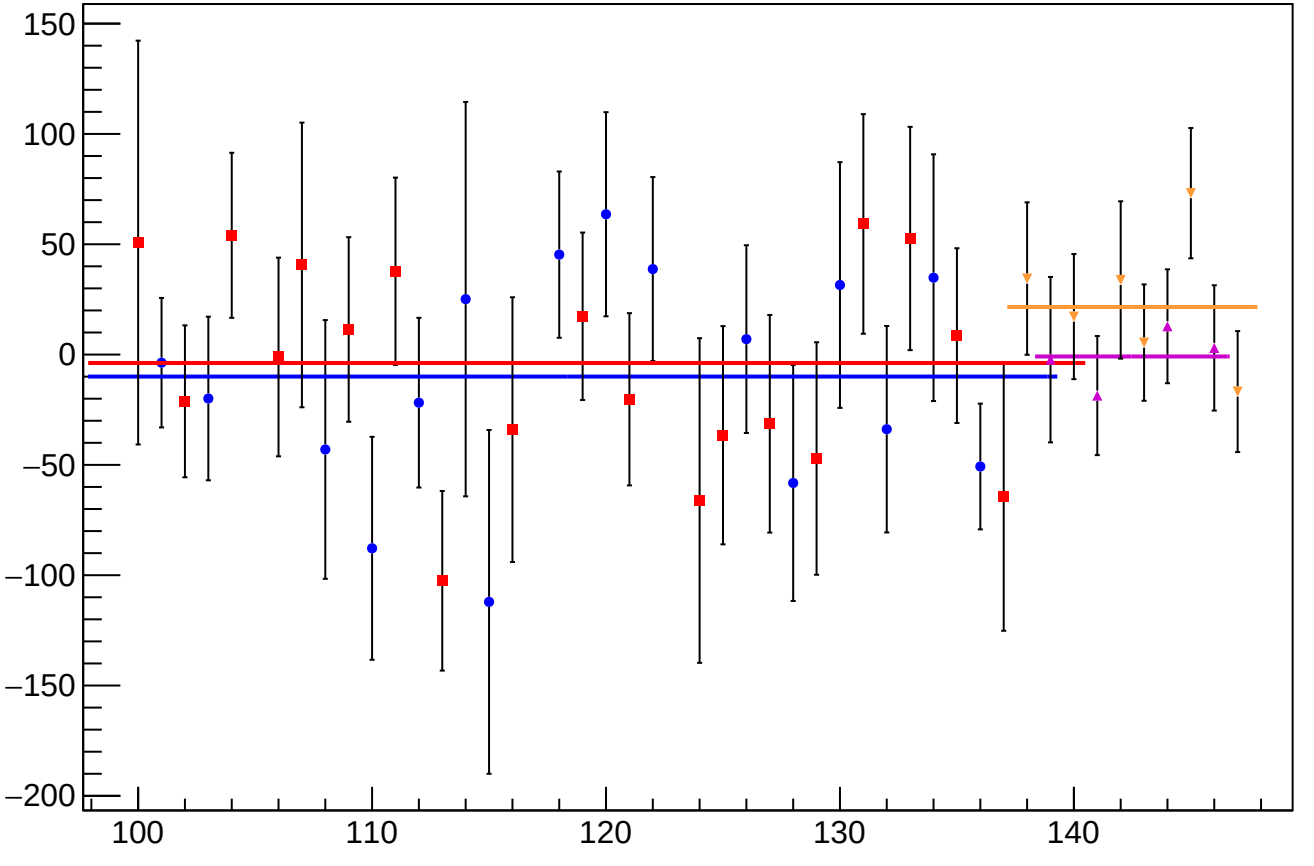
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4457.497+/-1.159 χ^2/NDF:6182484.2/19

Out: 4789.331+/-1.170 χ^2/NDF:5405603.2/24

All: 4621.868+/-0.823 χ^2/NDF: 11628679.1/4

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 21.557+/-12.141 χ^2/NDF:5.7/5

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: -0.865+/-14.395 χ^2/NDF:0.7/3

Left: 12.237+/-9.281 χ^2/NDF: 7.8/9

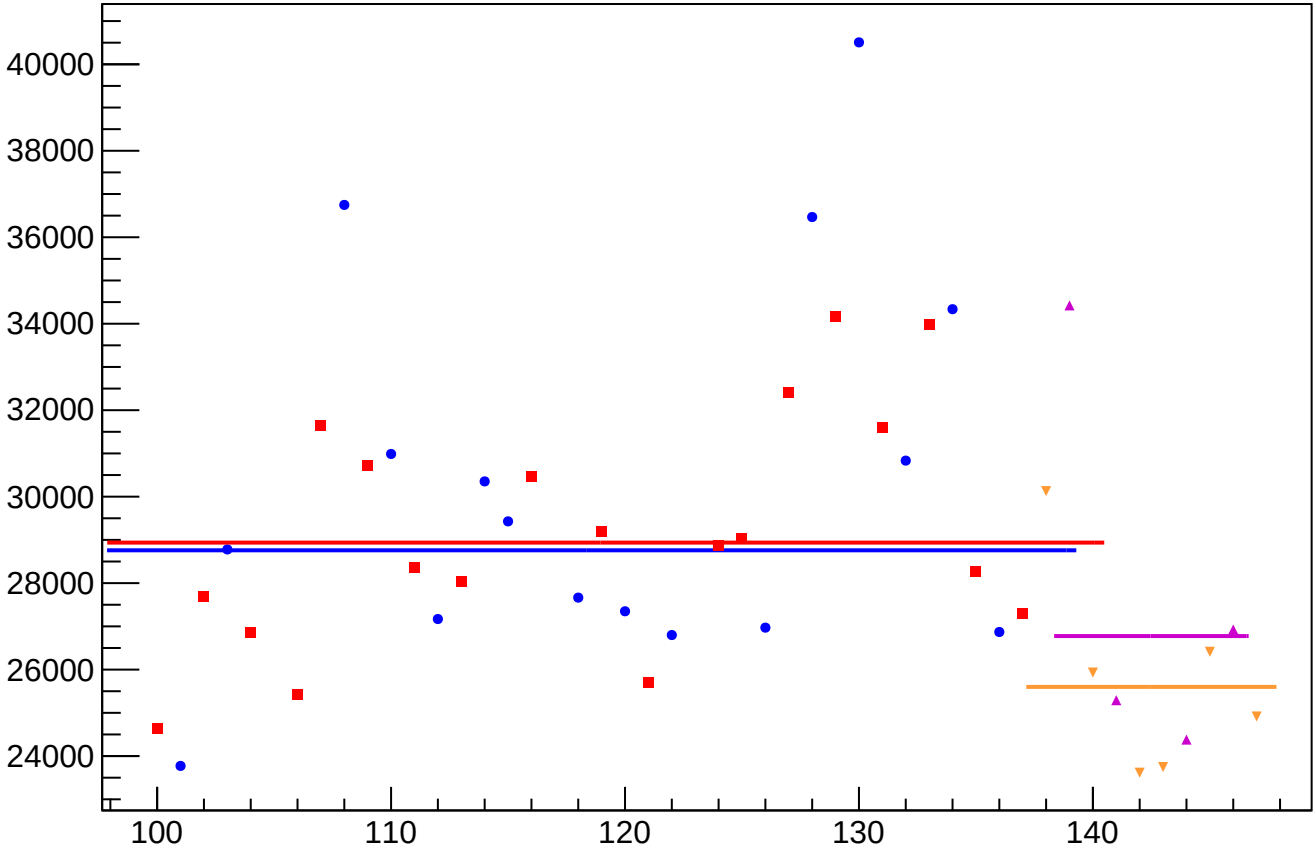
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -6.676+/-8.657 χ^2/NDF:16.3/19

Out: 7.203+/-8.000 χ^2/NDF:25.4/24

All: 0.810+/-5.876 χ^2/NDF: 43.1/44

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 25599.838+/-8.585 χ^2/NDF:53467.6/5

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26775.722+/-10.179 χ^2/NDF:106575.2/3

Left: 26088.606+/-6.563 χ^2/NDF: 167840.9/9

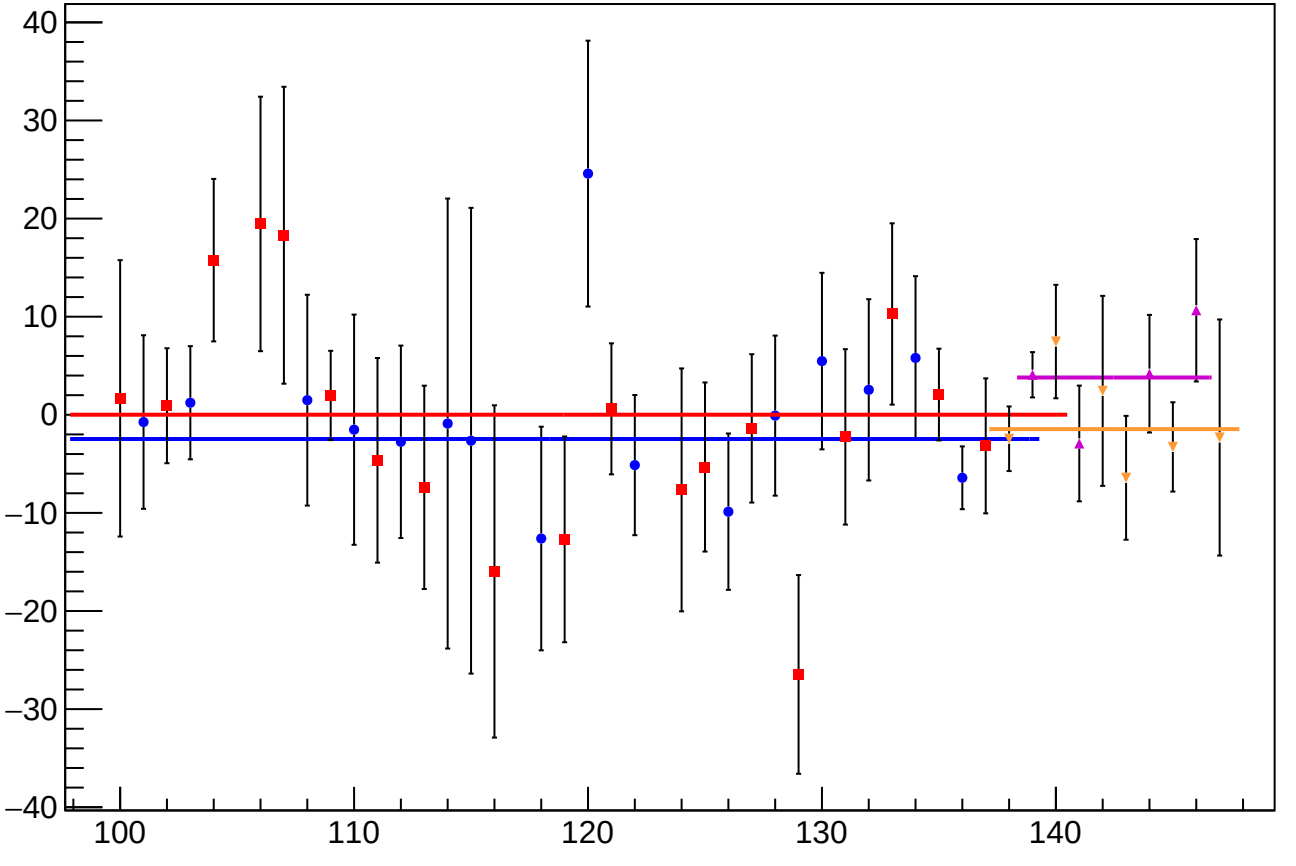
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28041.704+/-6.122 χ^2/NDF:408449.2/19

Out: 27488.286+/-5.657 χ^2/NDF:245257.4/24

All: 27743.198+/-4.155 χ^2/NDF: 658114.6/44

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.461+/-2.166 χ^2/NDF:3.4/5

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 3.801+/-1.949 χ^2/NDF:2.2/3

Left: 1.446+/-1.449 χ^2/NDF: 8.9/9

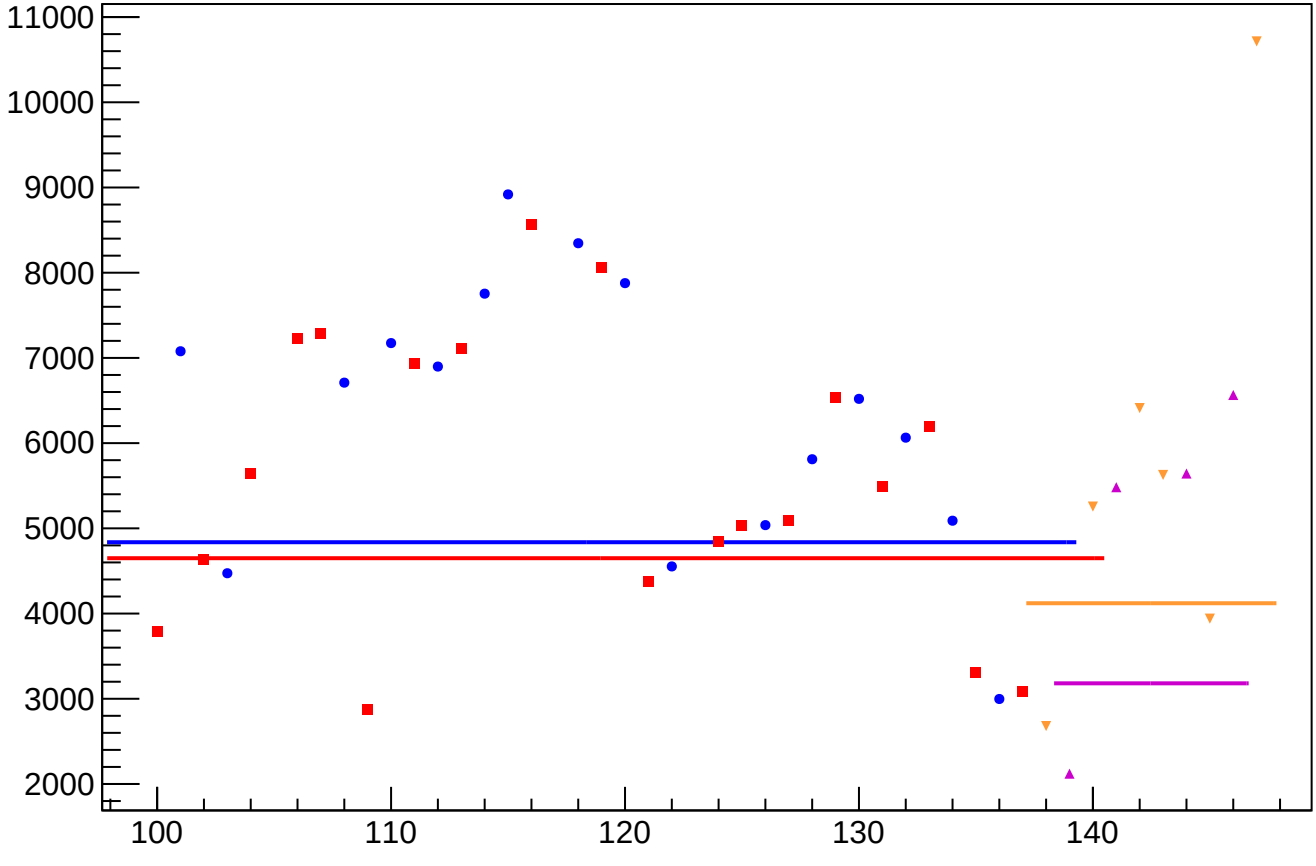
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.612+/-1.366 χ^2/NDF:17.5/19

Out: -0.602+/-1.397 χ^2/NDF:23.7/24

All: 0.018+/-0.977 χ^2/NDF: 41.6/44

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4121.080+/-1.532 χ^2/NDF:1289582.7/5

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 3181.237+/-1.378 χ^2/NDF:1498106.8/3

Left: 3601.800+/-1.025 χ^2/NDF: 2995707.5/9

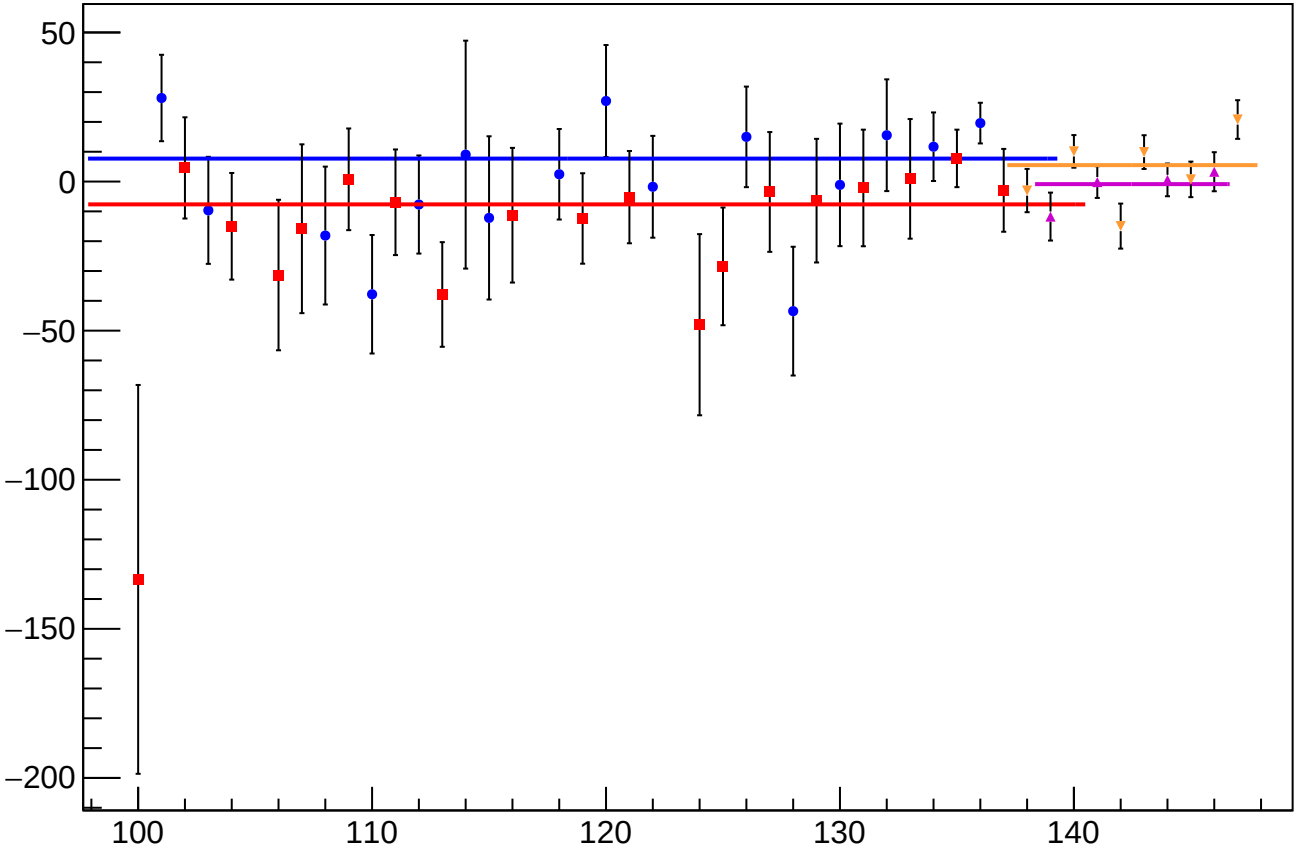
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4023.683+/-0.966 χ^2/NDF:3780051.7/19

Out: 4429.758+/-0.988 χ^2/NDF:2793669.1/24

All: 4222.204+/-0.691 χ^2/NDF: 6660081.9/44

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 5.507+/-2.555 χ^2/NDF:16.2/5

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.860+/-3.051 χ^2/NDF:2.3/3

Left: 2.883+/-1.959 χ^2/NDF: 21.1/9

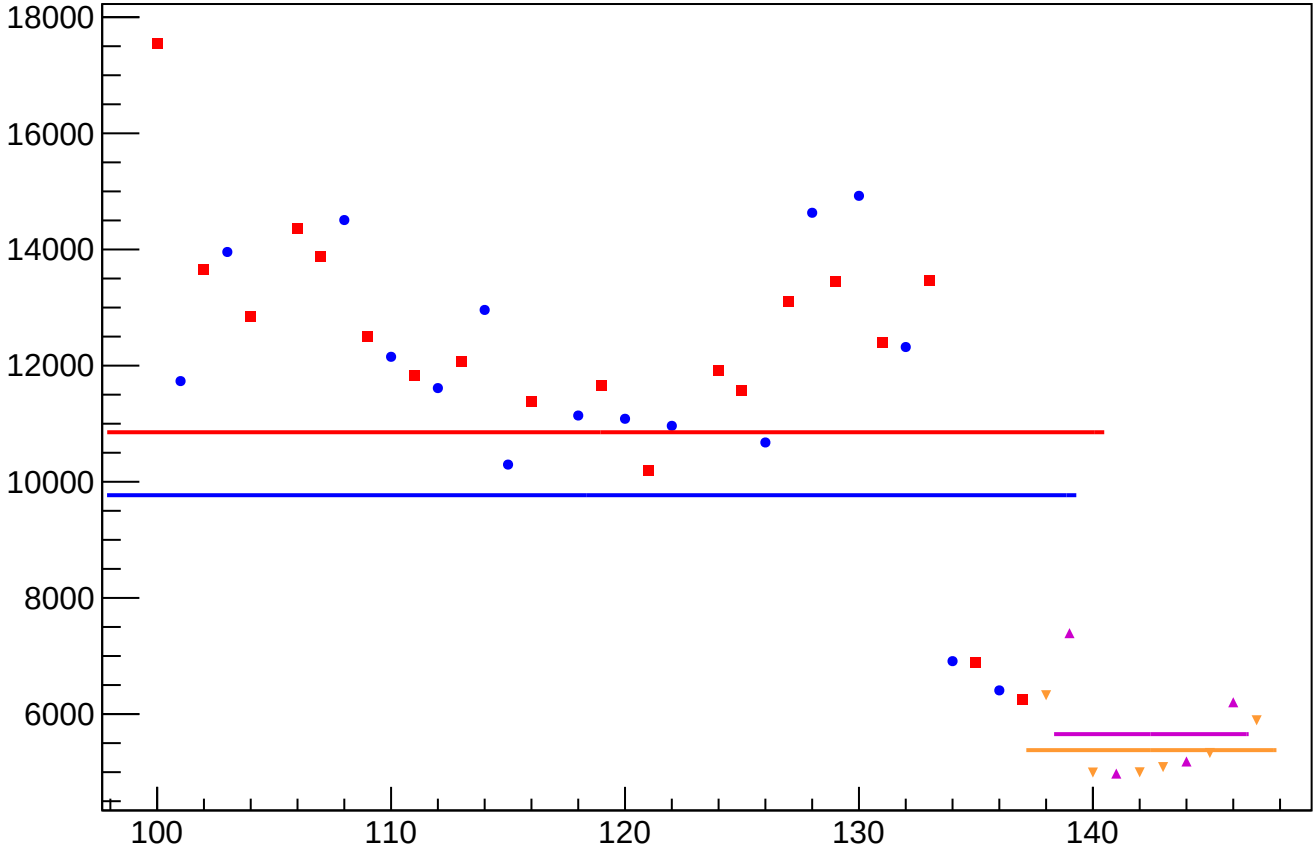
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 2.474+/-2.384 χ^2/NDF:27.0/19

Out: 1.826+/-2.168 χ^2/NDF:38.2/24

All: 2.119+/-1.604 χ^2/NDF: 65.3/44

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5379.157+/-1.807 χ^2/NDF:67060.7/5

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5654.779+/-2.157 χ^2/NDF:155020.5/3

Left: 5492.758+/-1.385 χ^2/NDF: 231675.4/9

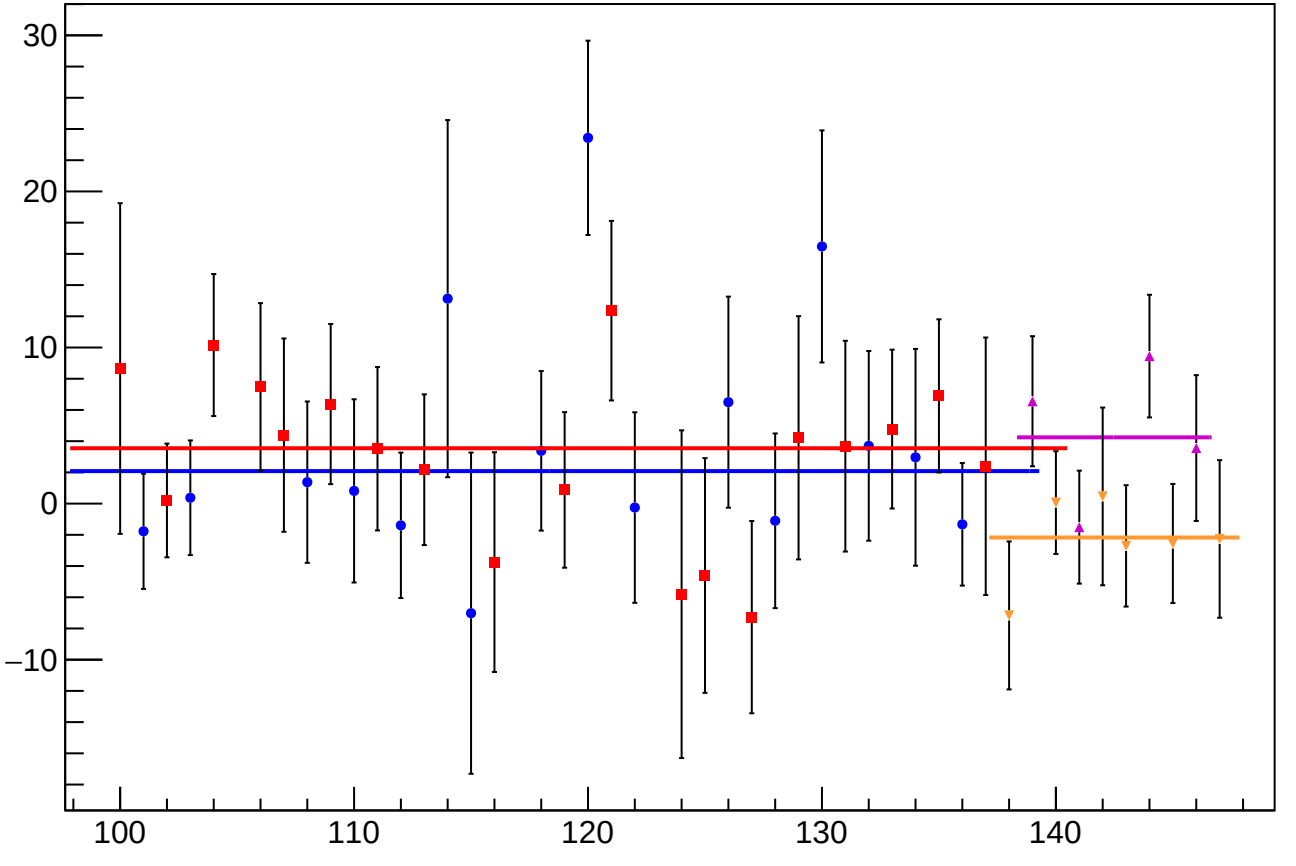
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 7257.202+/-1.686 χ^2/NDF:2785044.8/19

Out: 6910.537+/-1.533 χ^2/NDF:3510093.3/24

All: 7067.477+/-1.134 χ^2/NDF: 6318284.1/44

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.172+/-1.711 χ^2/NDF:1.8/5

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 4.244+/-2.022 χ^2/NDF:4.6/3

Left: 0.504+/-1.306 χ^2/NDF: 12.3/9

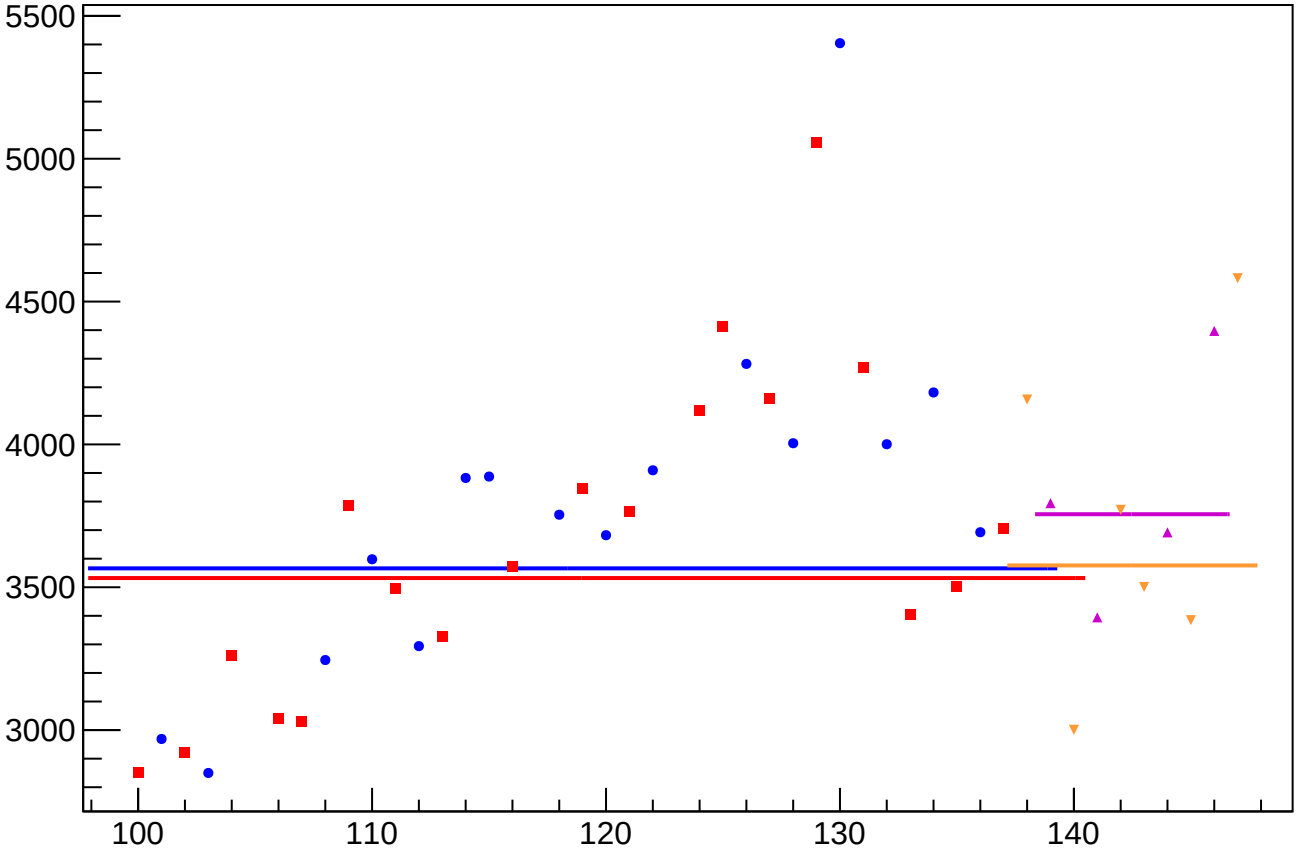
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.745+/-1.120 χ^2/NDF:26.4/19

Out: 1.444+/-1.037 χ^2/NDF:22.3/24

All: 2.045+/-0.761 χ^2/NDF: 49.4/44

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3576.375+/-1.210 χ^2/NDF:178600.9/5

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3755.630+/-1.430 χ^2/NDF:58342.3/3

Left: 3651.139+/-0.923 χ^2/NDF: 246103.8/9

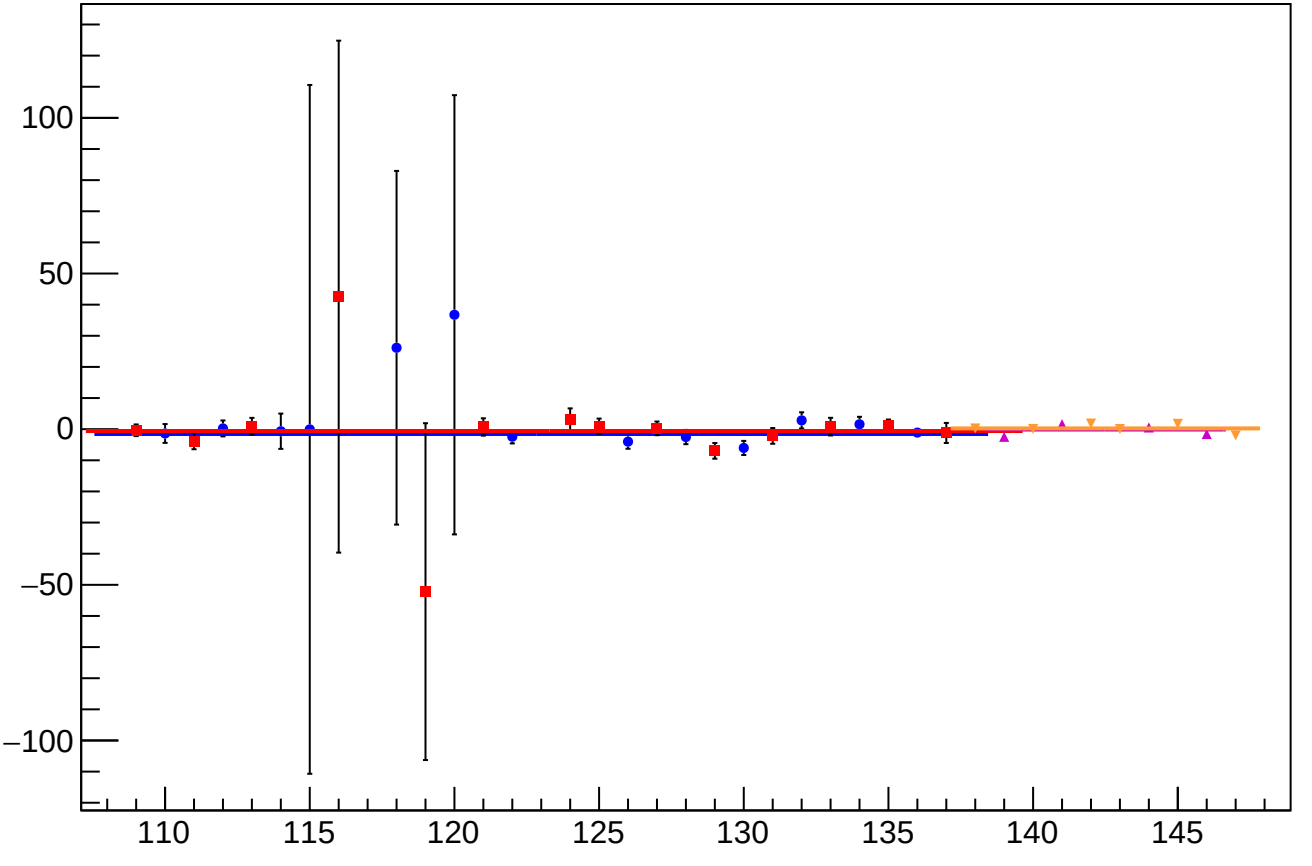
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3624.282+/-0.792 χ^2/NDF:411619.7/19

Out: 3548.432+/-0.733 χ^2/NDF:458137.8/24

All: 3583.444+/-0.538 χ^2/NDF: 874695.4/44

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: 0.250+/-0.473 χ^2/NDF:6.8/5

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.114+/-0.537 χ^2/NDF:8.5/3

Left: 0.091+/-0.355 χ^2/NDF: 15.5/9

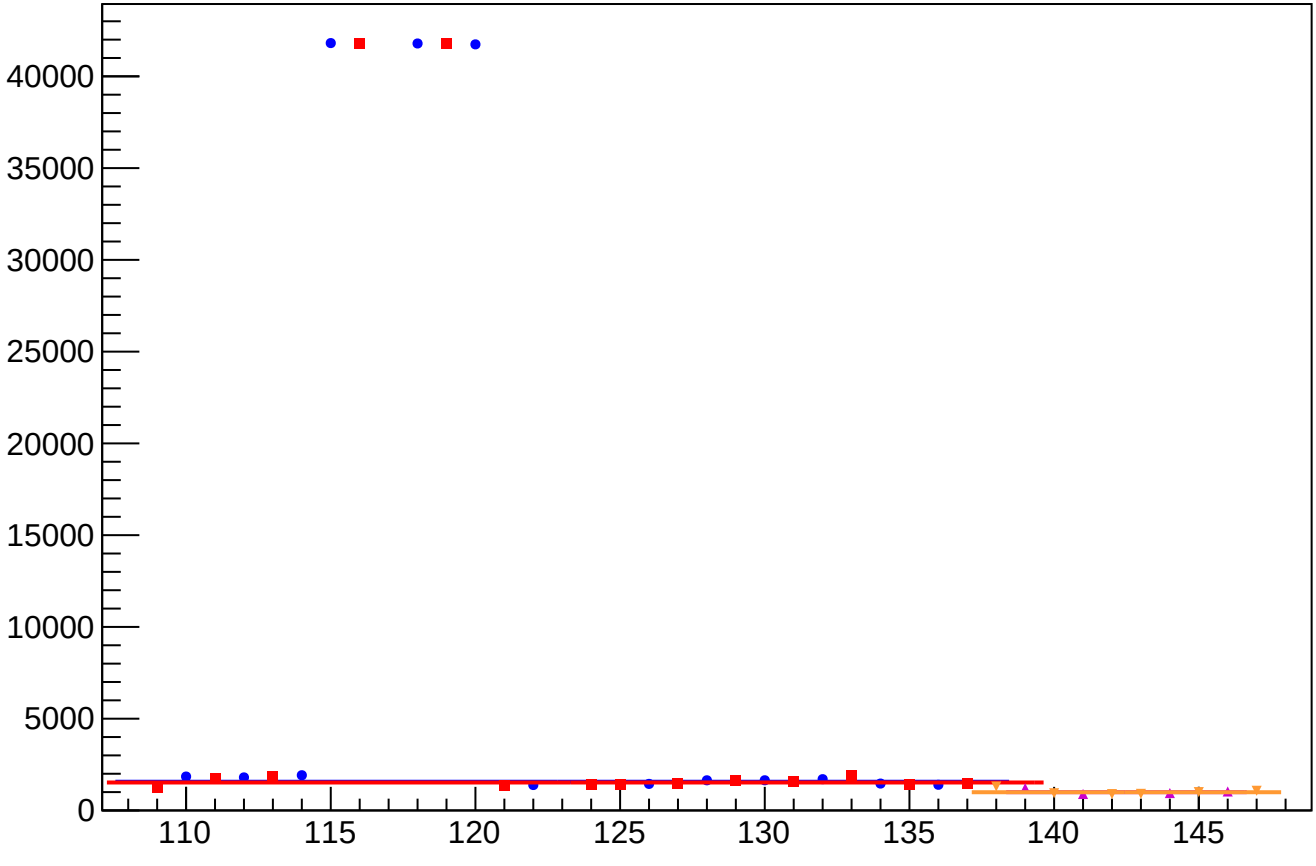
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.610+/-0.433 χ^2/NDF:22.0/16

Out: -0.004+/-0.395 χ^2/NDF:20.4/19

All: -0.279+/-0.292 χ^2/NDF: 43.5/36

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 993.110+/-0.334 χ^2/NDF:128730.2/5

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 997.373+/-0.379 χ^2/NDF:82923.4/3

Left: 994.973+/-0.251 χ^2/NDF: 211724.7/9

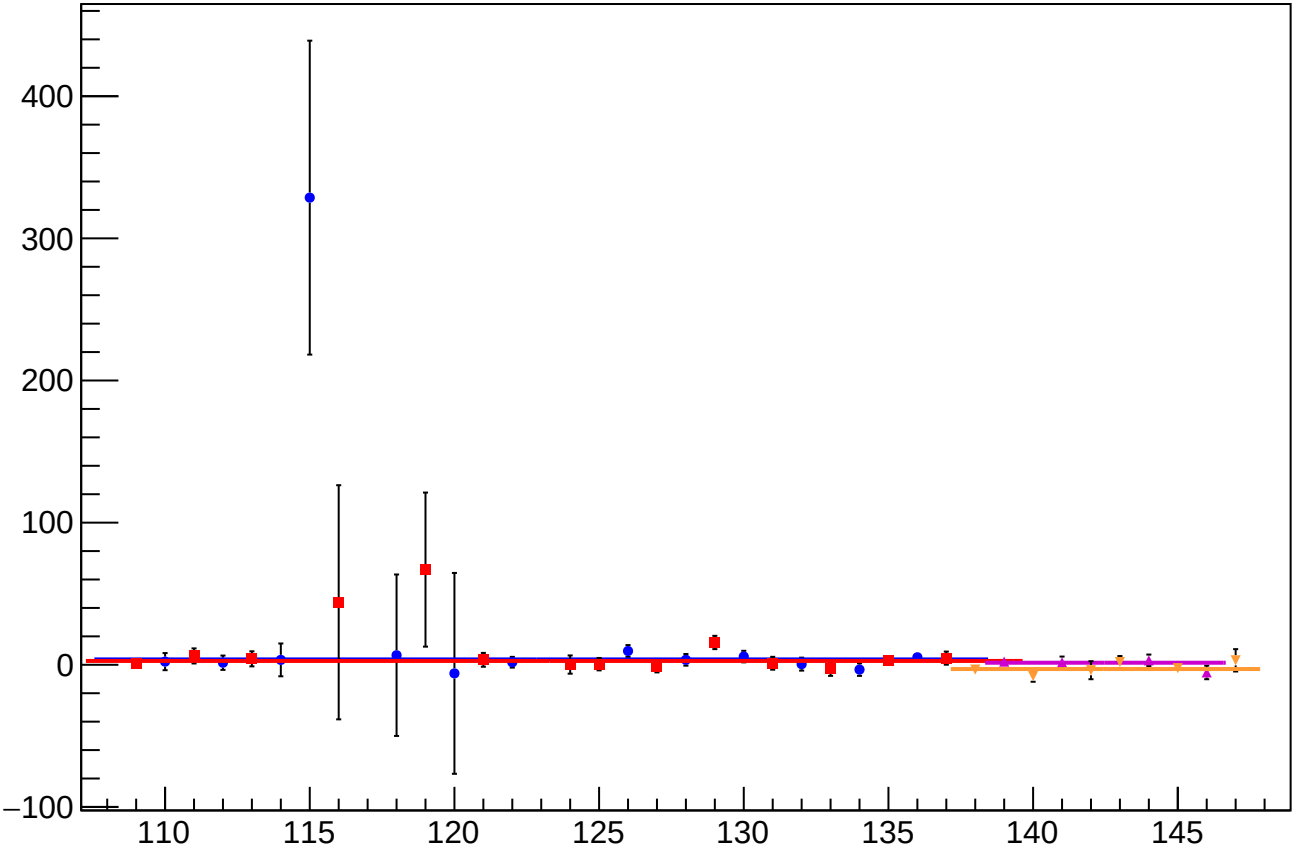
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1195.295+/-0.306 χ^2/NDF:2879268.0/16

Out: 1153.815+/-0.279 χ^2/NDF:2631620.2/19

All: 1172.641+/-0.206 χ^2/NDF: 5520915.3/36

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.985+/-1.453 χ^2/NDF:3.6/5

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 1.454+/-1.599 χ^2/NDF:2.3/3

Left: -0.977+/-1.075 χ^2/NDF: 10.2/9

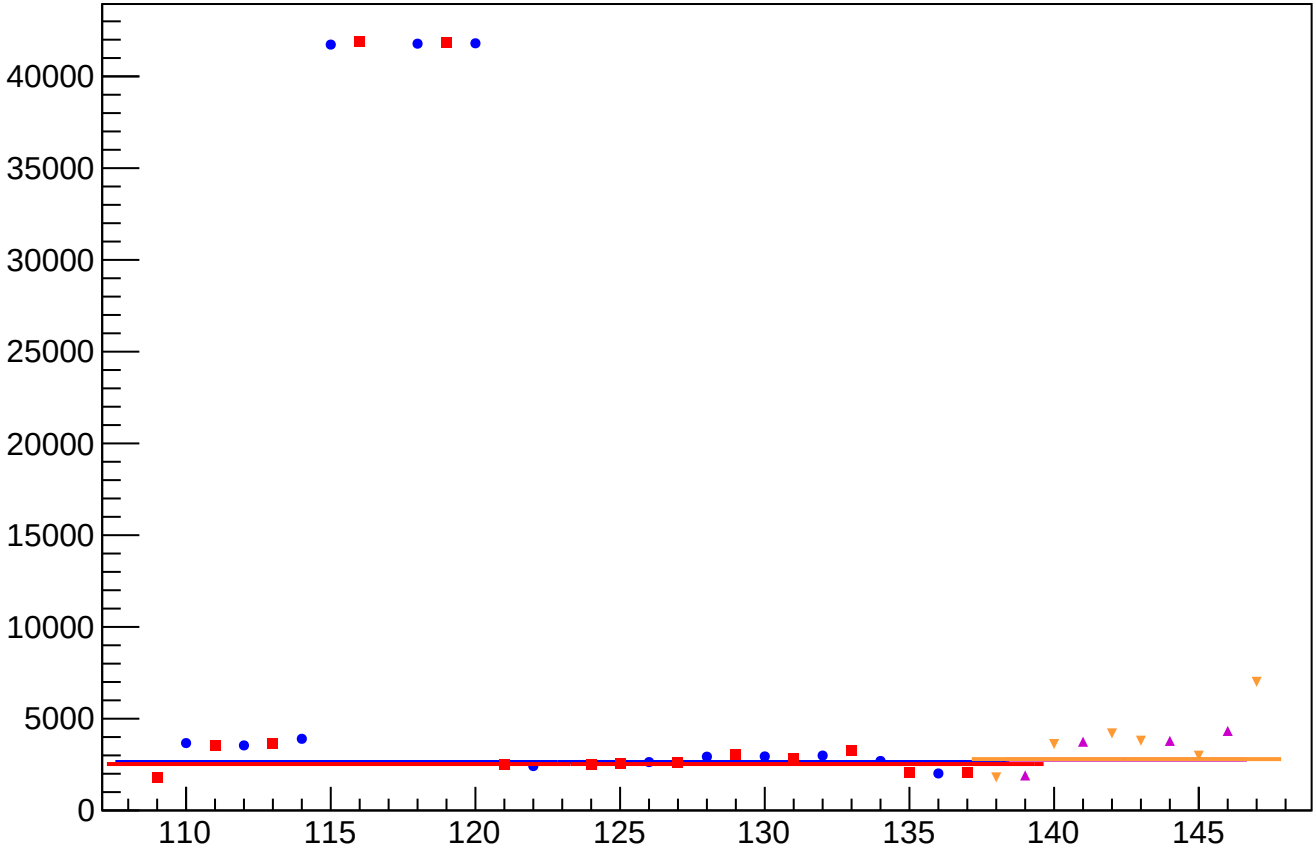
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.897+/-0.984 χ^2/NDF:18.8/16

Out: 0.376+/-0.930 χ^2/NDF:26.3/19

All: 1.566+/-0.676 χ^2/NDF: 48.6/36

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 2797.564+/-1.028 χ^2/NDF:1327735.5/5

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 2767.462+/-1.131 χ^2/NDF:793034.1/3

Left: 2783.945+/-0.760 χ^2/NDF: 2121157.8/9

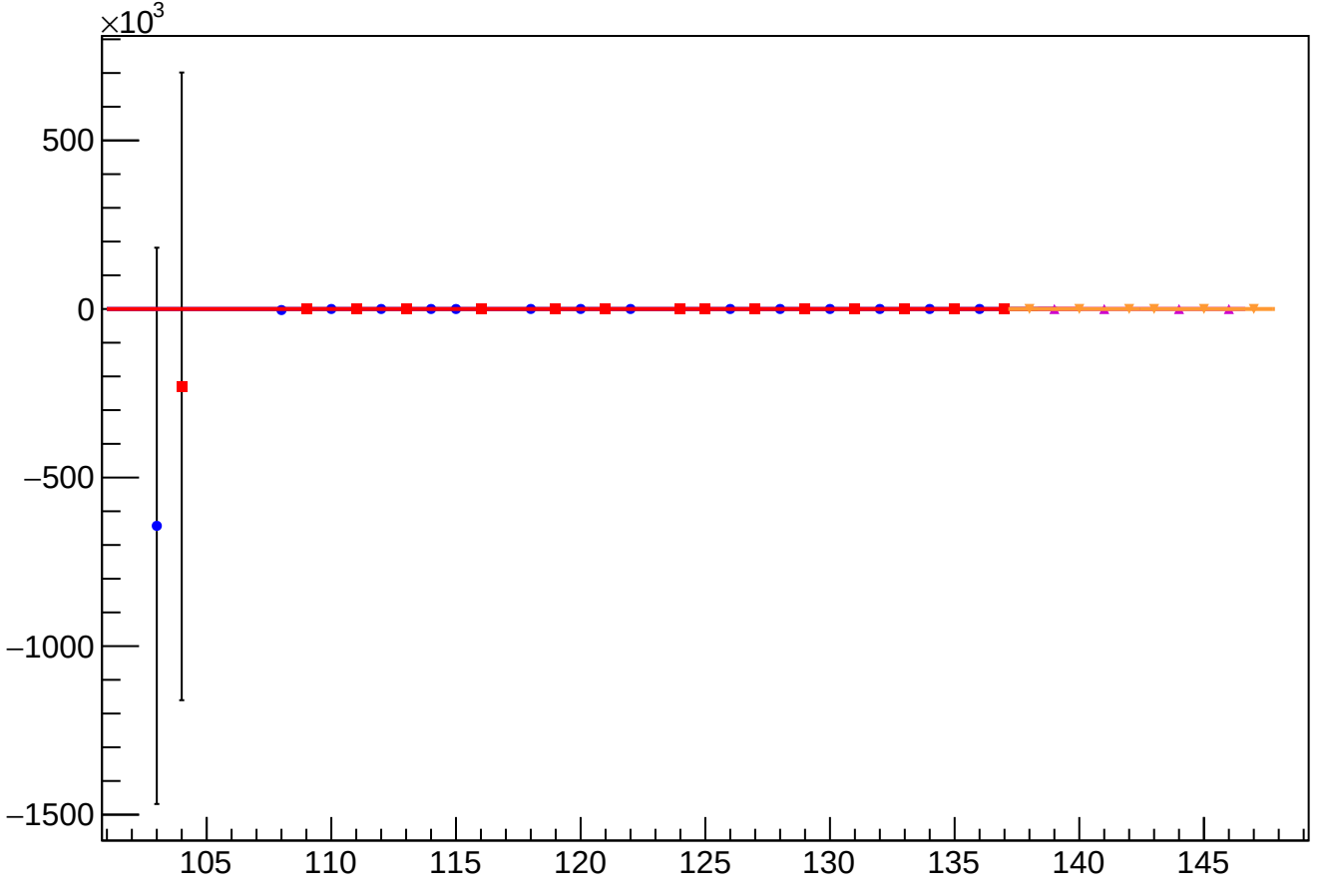
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2688.234+/-0.696 χ^2/NDF:2974332.6/16

Out: 2639.051+/-0.658 χ^2/NDF:3317966.5/19

All: 2662.266+/-0.478 χ^2/NDF: 6294937.5/36

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.111+/-0.704 χ^2/NDF:15.3/5

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.627+/-0.818 χ^2/NDF:0.8/3

Left: -0.371+/-0.534 χ^2/NDF: 18.7/9

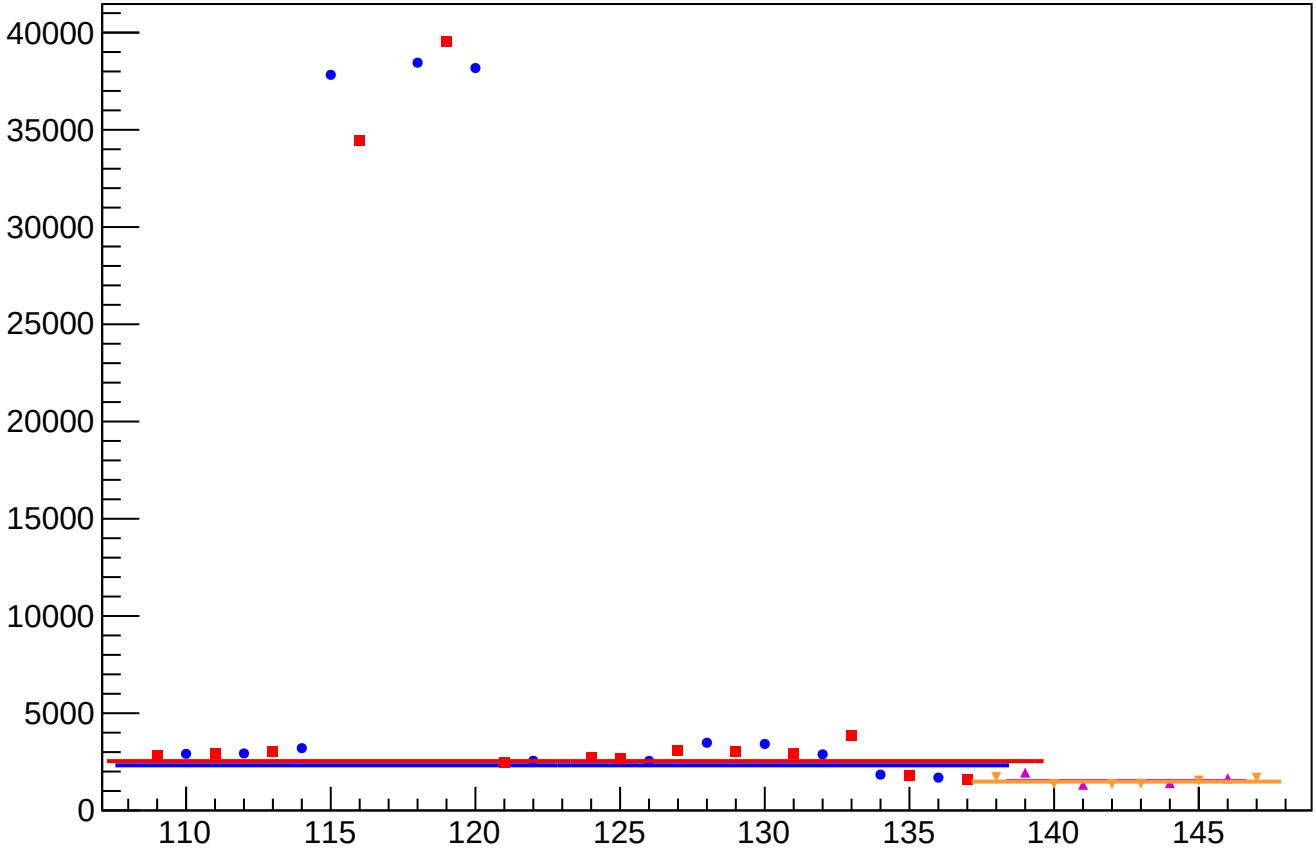
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.010+/-0.662 χ^2/NDF:21.3/18

Out: -0.156+/-0.609 χ^2/NDF:37.0/20

All: -0.089+/-0.448 χ^2/NDF: 58.4/39

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1483.381+/-0.498 χ^2/NDF:84103.8/5

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1514.789+/-0.578 χ^2/NDF:144879.7/3

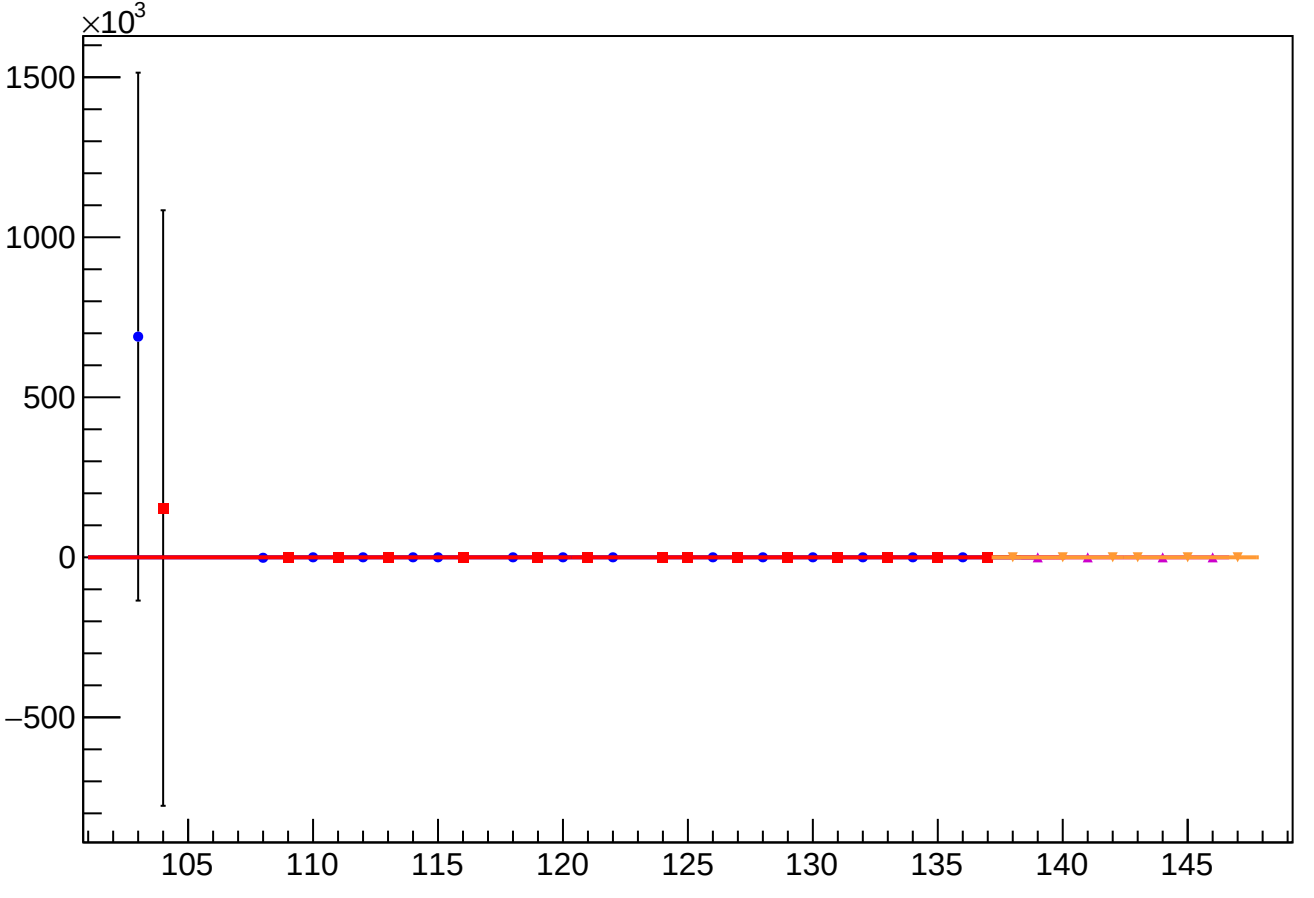
Left: 1496.749+/-0.377 χ^2/NDF: 230677.5/9

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1793.289+/-0.468 χ^2/NDF:3277142.3/16

Out: 1749.670+/-0.430 χ^2/NDF:3254869.6/19

All: 1769.666+/-0.317 χ^2/NDF: 6536720.0/36



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.454+/-0.991 χ^2/NDF:6.4/5

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.471+/-0.963 χ^2/NDF:2.0/3

Left: -0.948+/-0.691 χ^2/NDF: 9.0/9

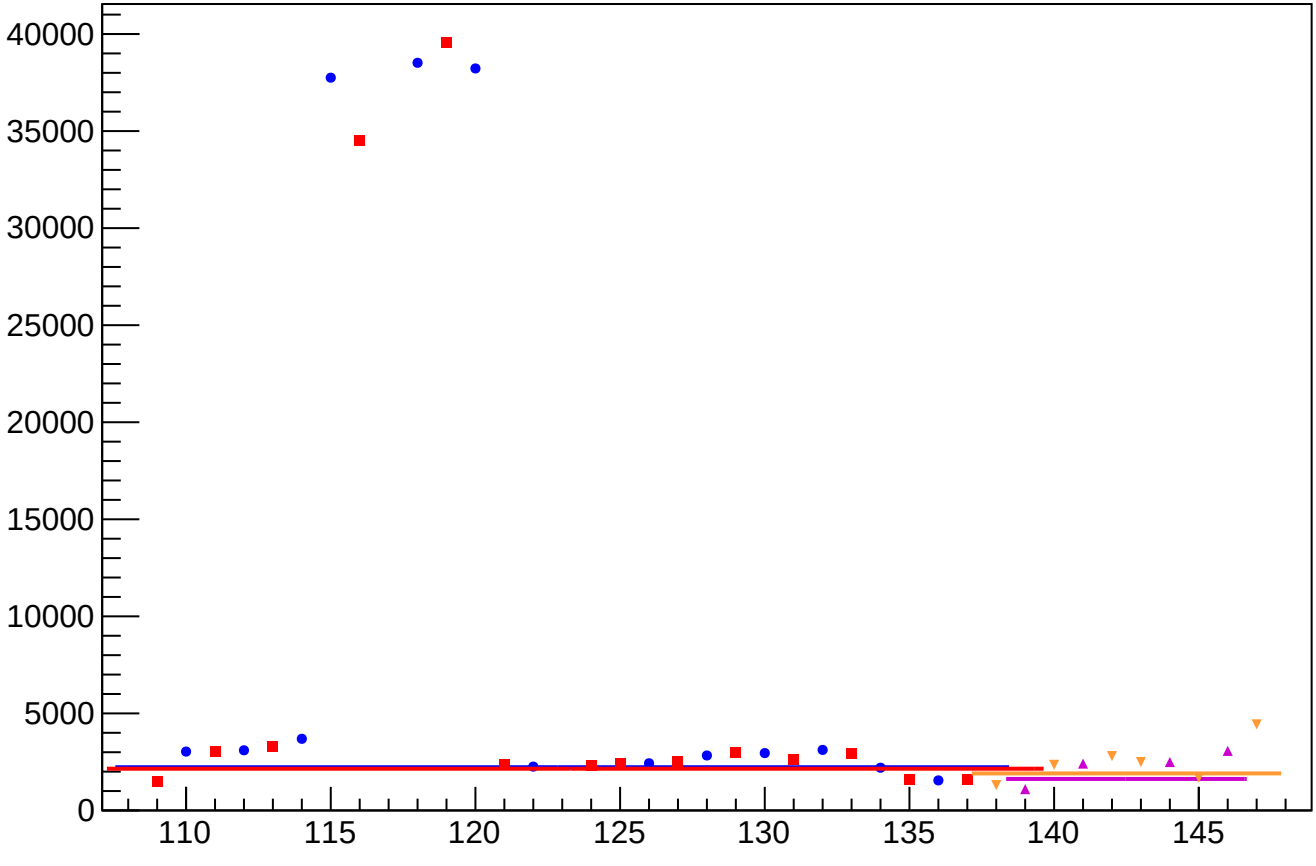
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.497+/-0.718 χ^2/NDF:9.3/18

Out: 0.120+/-0.721 χ^2/NDF:27.1/20

All: 0.310+/-0.509 χ^2/NDF: 36.6/39

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 1908.158+/-0.701 χ^2/NDF:1062492.8/5

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1623.923+/-0.681 χ^2/NDF:1156537.5/3

Left: 1761.951+/-0.488 χ^2/NDF: 2303644.8/9

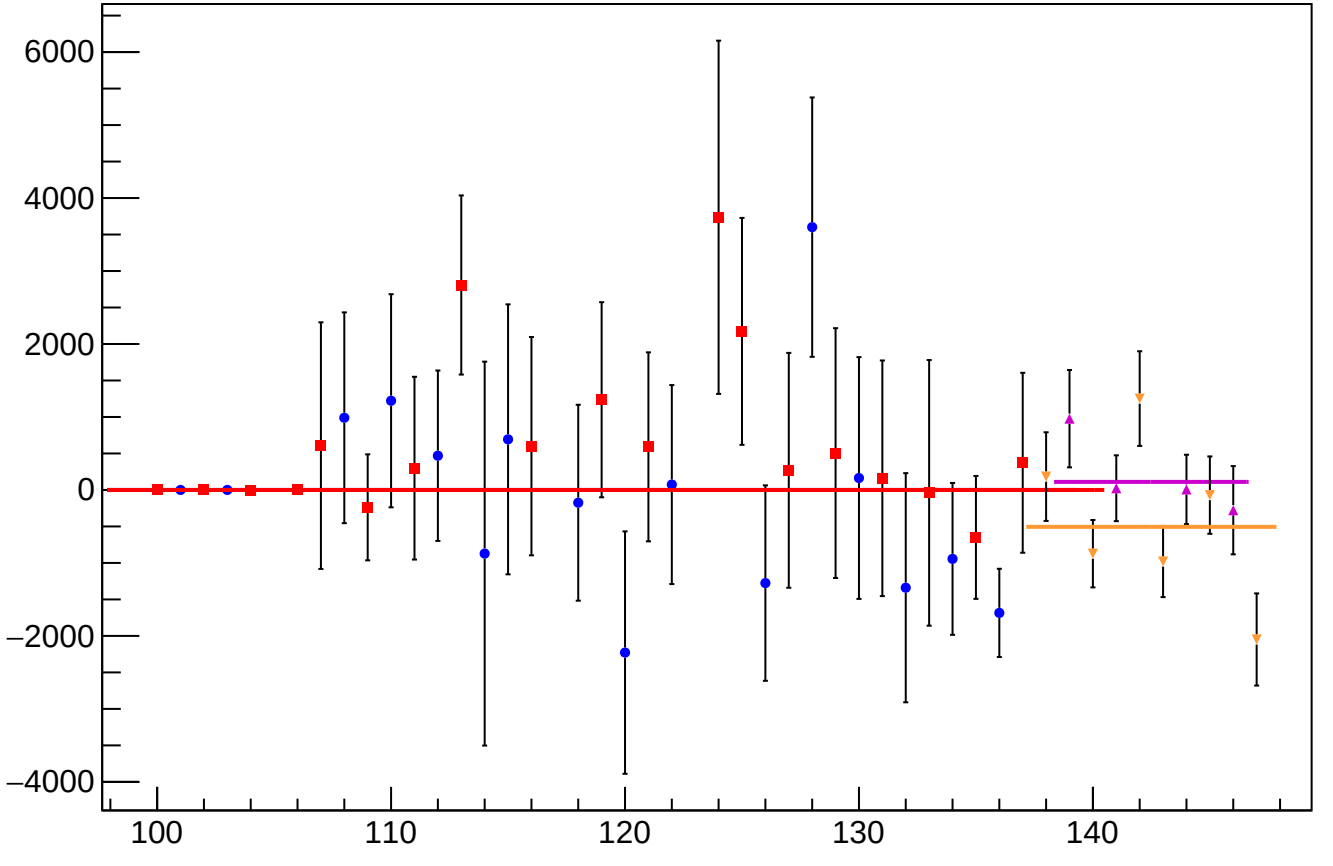
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1892.003+/-0.507 χ^2/NDF:4027479.5/16

Out: 2022.302+/-0.510 χ^2/NDF:3350216.8/19

All: 1956.826+/-0.360 χ^2/NDF: 7410493.2/36

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -505.650+/-223.330 χ^2/NDF:16.9/5

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 110.528+/-264.288 χ^2/NDF:2.2/3

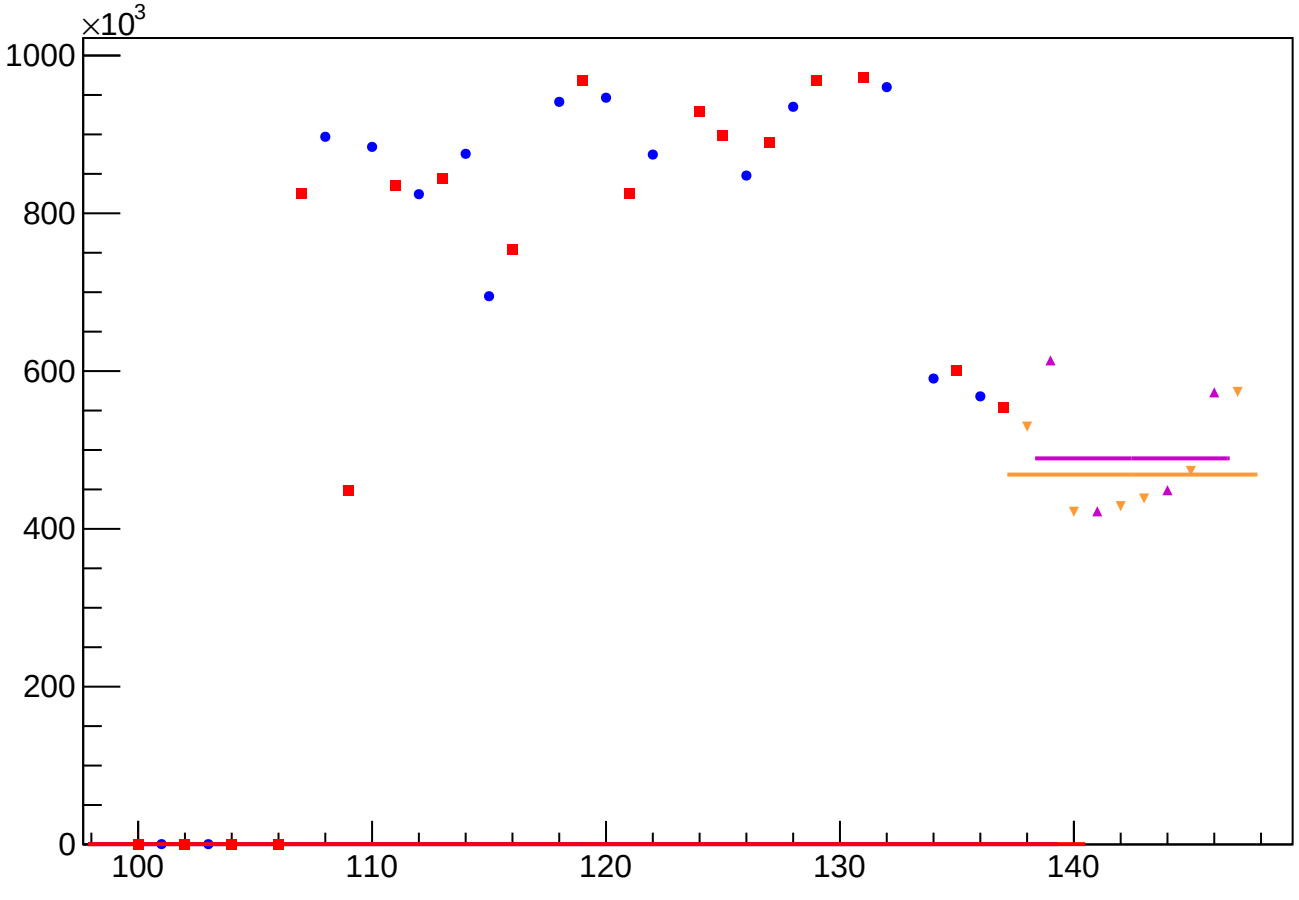
Left: -248.955+/-170.582 χ^2/NDF: 22.2/9

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:20.1/19

Out: -0.097+/-0.328 χ^2/NDF:37.4/24

All: 0.065+/-0.241 χ^2/NDF: 58.0/44



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 468830.264+/-157.918 χ^2/NDF:111486.9/5

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 489355.941+/-186.880 χ^2/NDF:166261.4/3

Left: 477381.110+/-120.620 χ^2/NDF: 284786.2/9

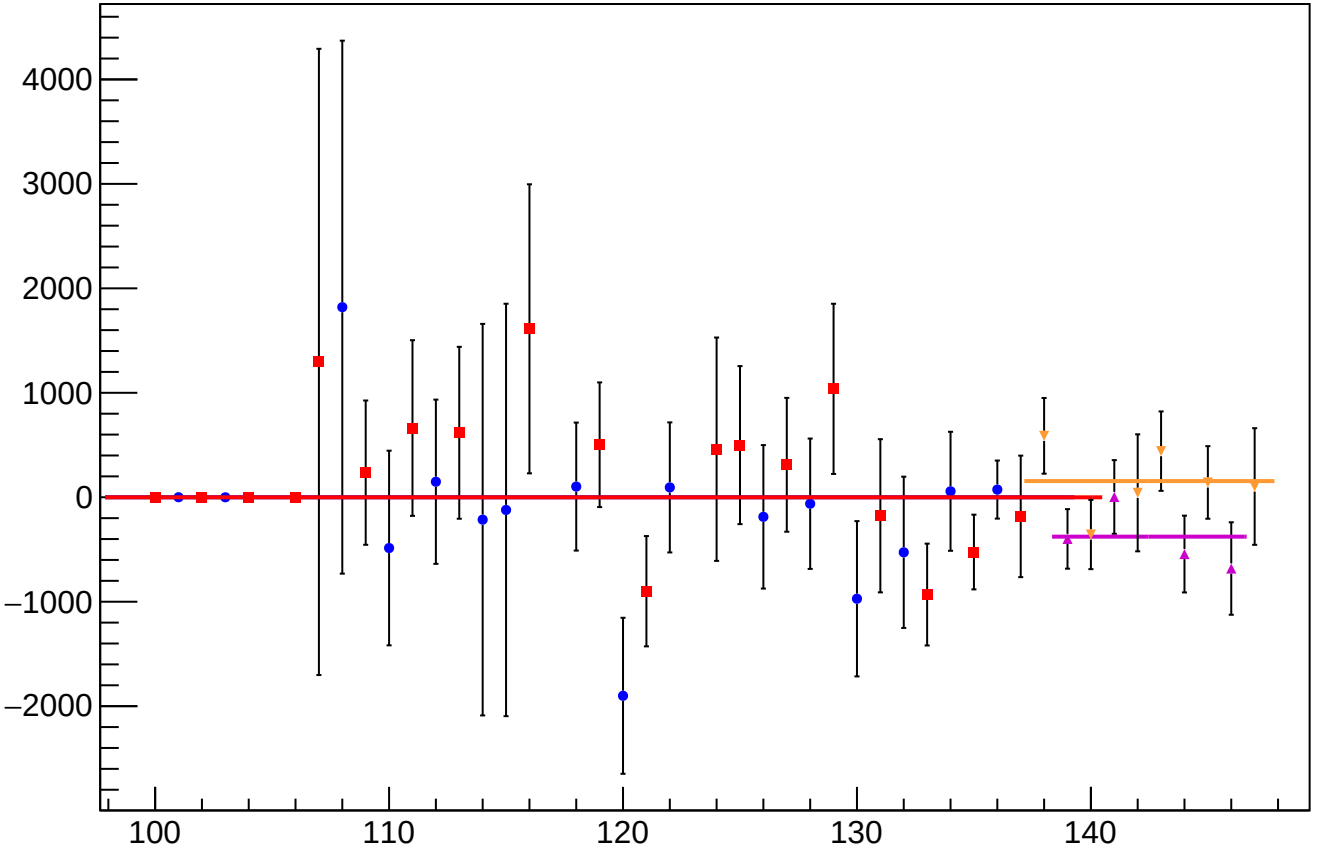
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 399.766+/-0.251 χ^2/NDF:15503748.3/18

Out: 394.249+/-0.232 χ^2/NDF:16559124.6/23

All: 396.783+/-0.170 χ^2/NDF: 32063133.2/42

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 154.876+/-161.573 χ^2/NDF:4.4/5

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -377.165+/-174.469 χ^2/NDF:1.8/3

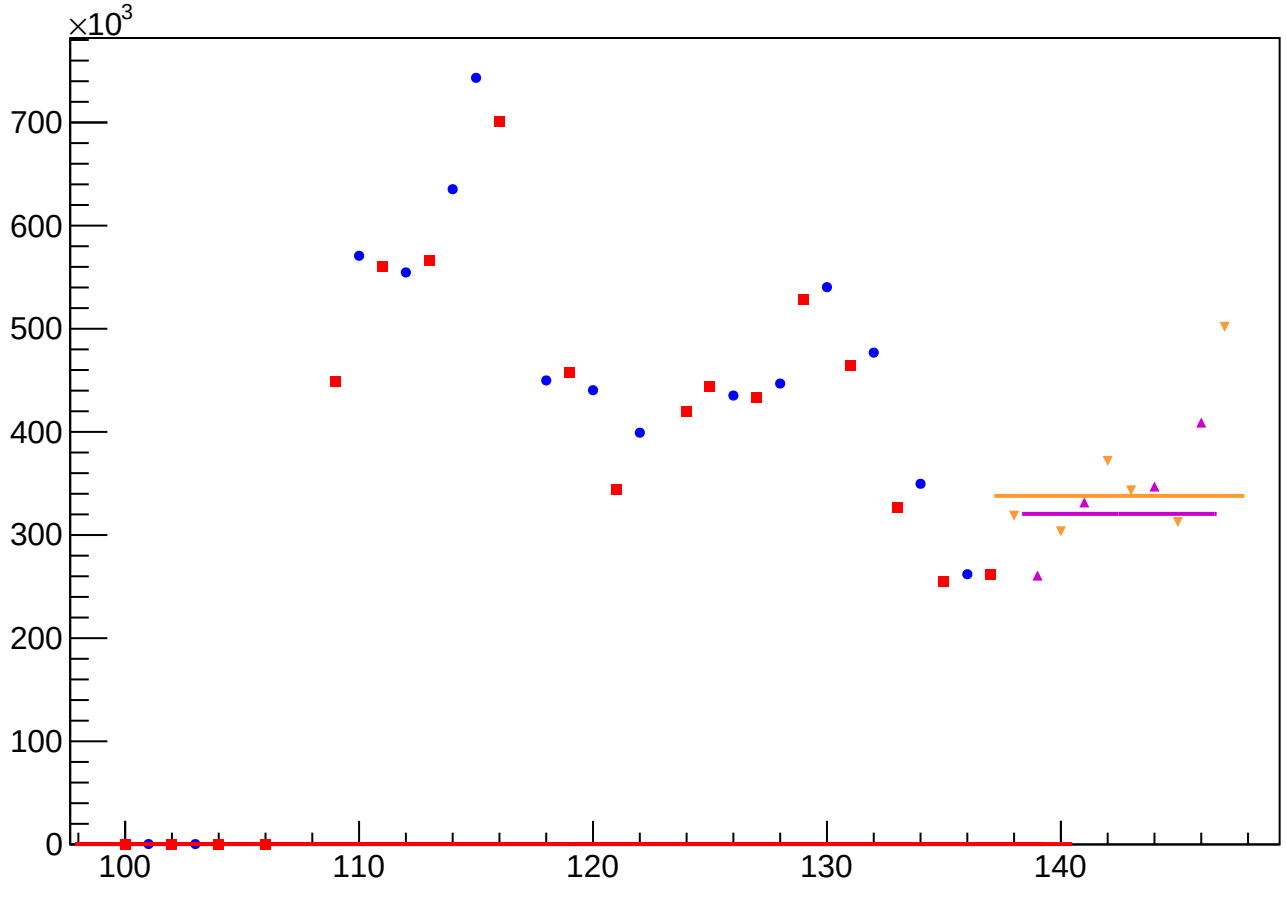
Left: -90.758+/-118.547 χ^2/NDF: 11.3/9

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:17.0/19

Out: -0.598+/-0.324 χ^2/NDF:20.4/24

All: -0.330+/-0.237 χ^2/NDF: 38.8/44



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 337964.173+/-114.250 χ^2/NDF:217882.0/5

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 320515.288+/-123.397 χ^2/NDF:180270.3/3

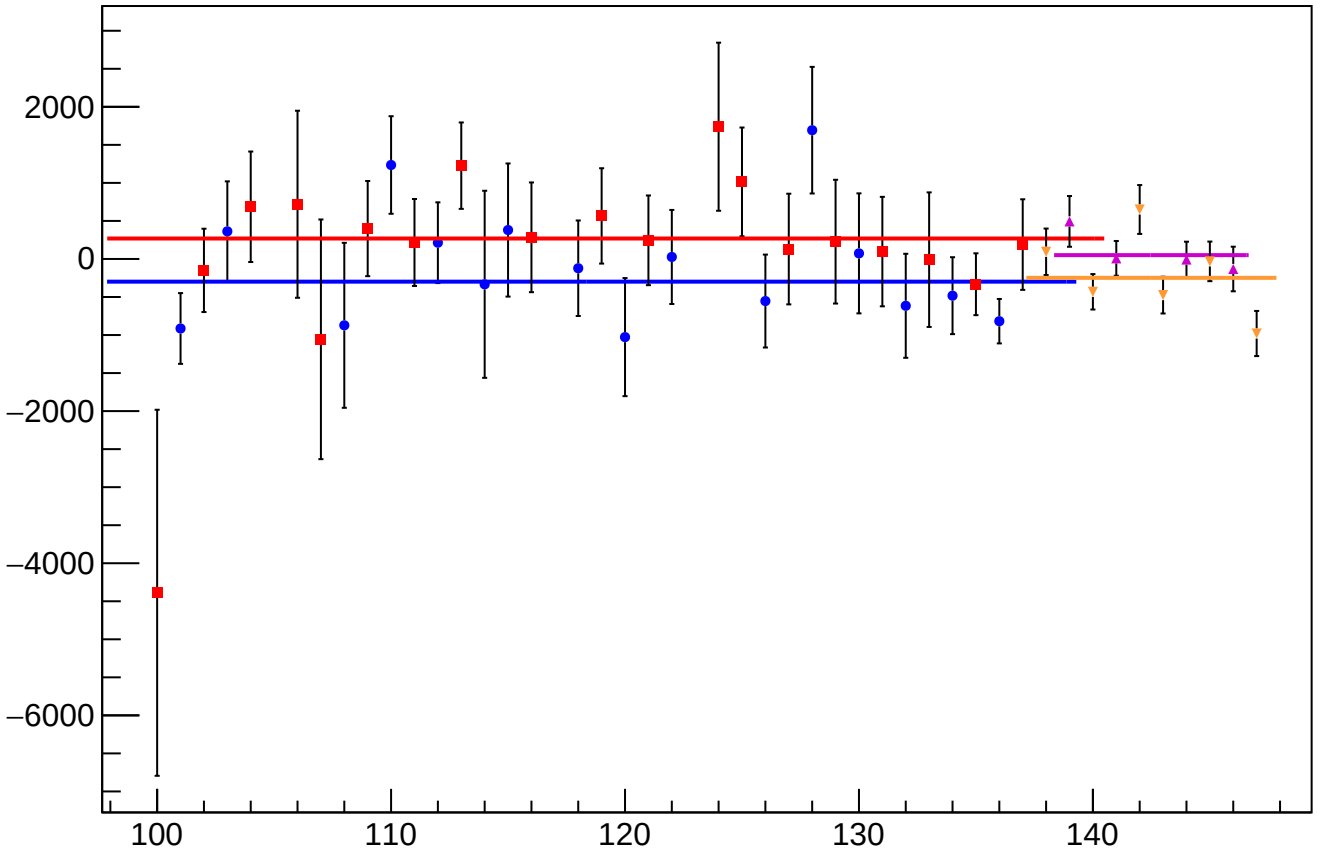
Left: 329910.369+/-83.834 χ^2/NDF: 408918.4/9

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 391.542+/-0.245 χ^2/NDF:18042721.8/18

Out: 389.340+/-0.229 χ^2/NDF:20022550.9/23

All: 390.365+/-0.167 χ^2/NDF: 38065315.7/42



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -248.143+/-110.380 χ^2/NDF:17.4/5

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 50.481+/-131.305 χ^2/NDF:2.3/3

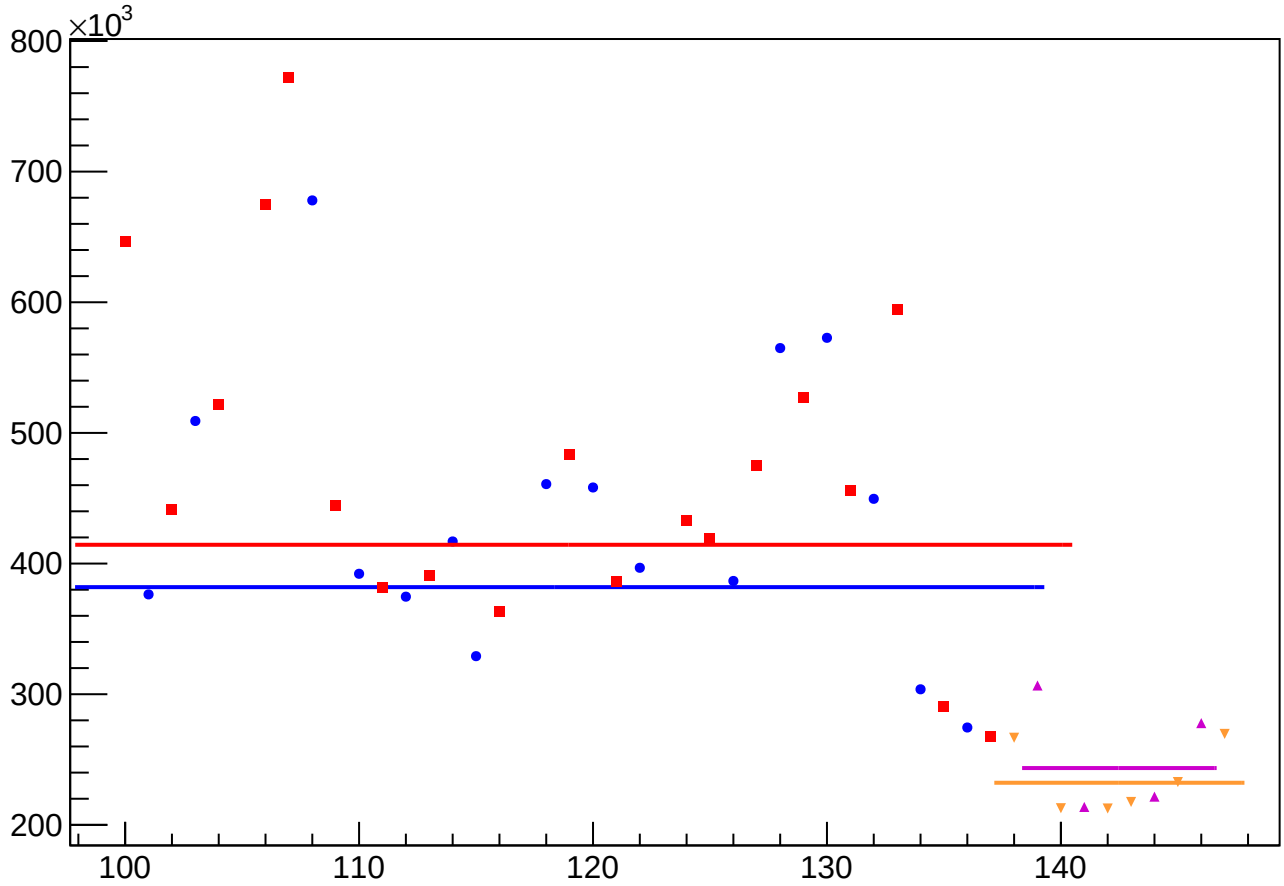
Left: -124.492+/-84.492 χ^2/NDF: 22.6/9

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -103.856+/-98.035 χ^2/NDF:26.5/19

Out: -76.504+/-90.217 χ^2/NDF:38.5/24

All: -89.046+/-66.385 χ^2/NDF: 65.1/44



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 232235.769+/-78.051 χ^2/NDF:86144.3/5

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 243485.527+/-92.846 χ^2/NDF:150720.8/3

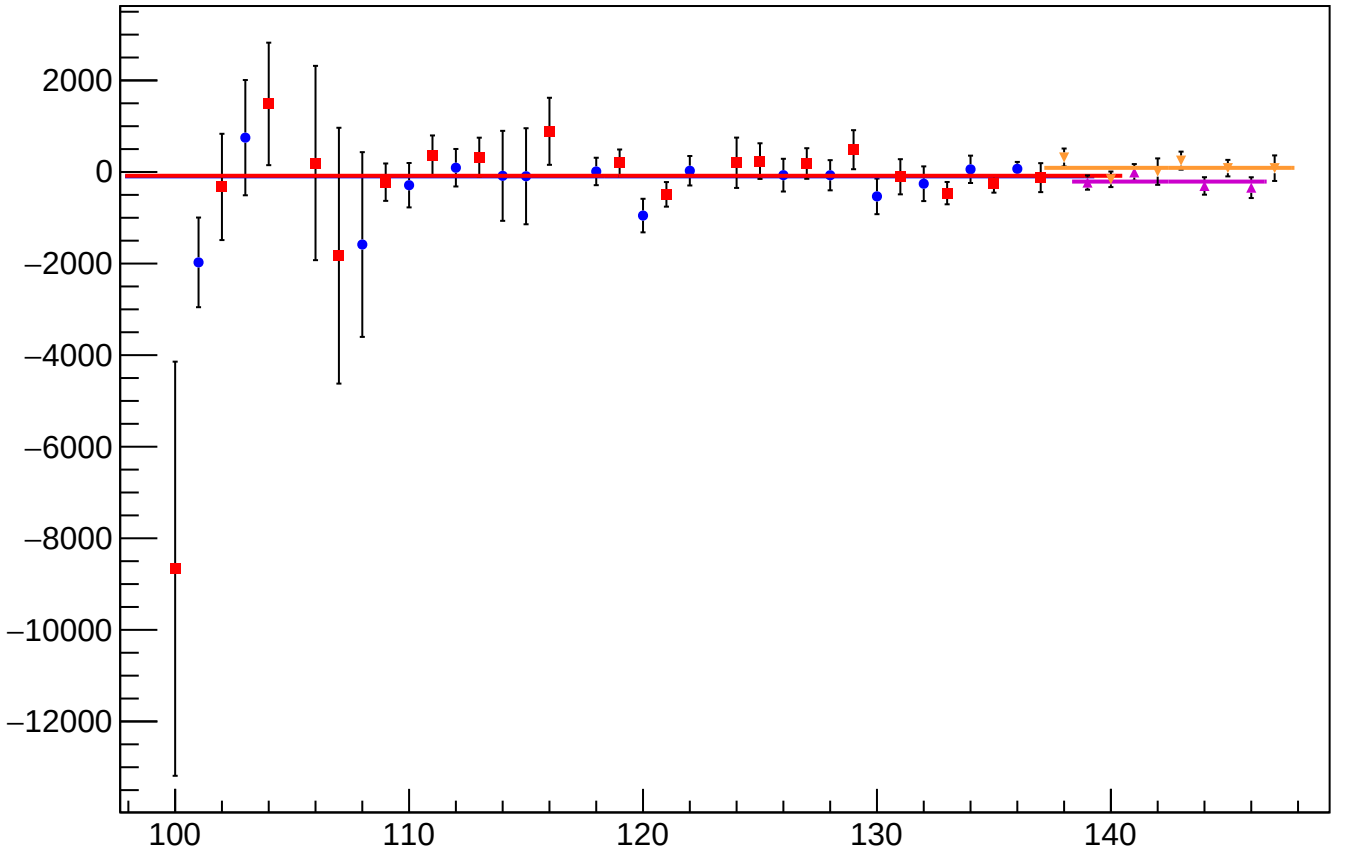
Left: 236893.929+/-59.745 χ^2/NDF: 245467.2/9

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 304755.428+/-69.327 χ^2/NDF:1971374.6/19

Out: 292680.716+/-63.799 χ^2/NDF:2653473.4/24

All: 298217.514+/-46.945 χ^2/NDF: 4641273.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 90.350+/-83.857 χ^2/NDF:4.2/5

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -209.634+/-91.924 χ^2/NDF:1.8/3

Left: -45.905+/-61.952 χ^2/NDF: 11.9/9

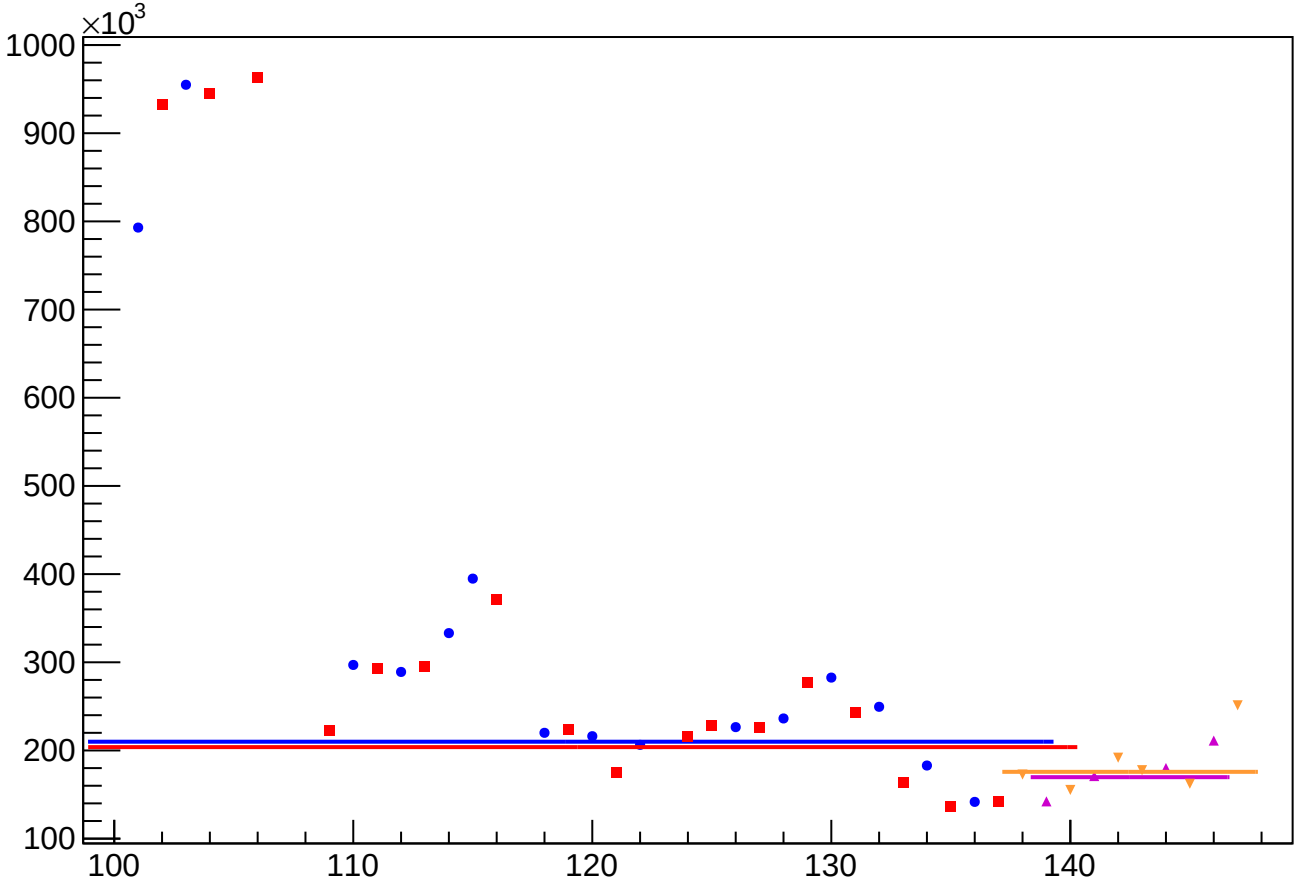
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -150.434+/-63.668 χ^2/NDF:16.3/19

Out: 7.296+/-60.482 χ^2/NDF:25.4/24

All: -67.524+/-43.850 χ^2/NDF: 44.9/44

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 175765.001+/-59.296 χ^2/NDF:193549.8/5

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 169707.879+/-65.000 χ^2/NDF:134971.3/3

Left: 173013.809+/-43.807 χ^2/NDF: 333260.6/9

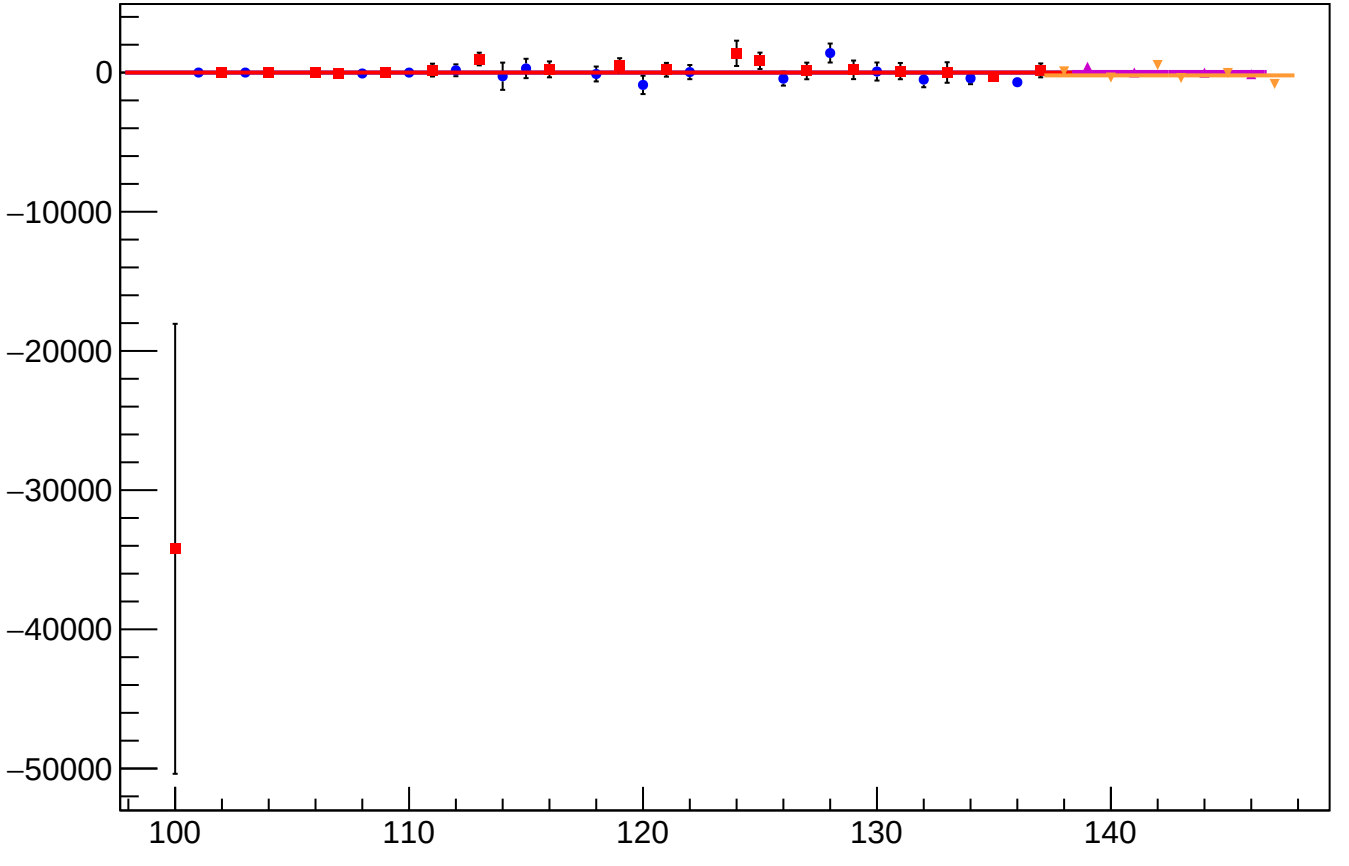
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 190599.529+/-45.061 χ^2/NDF:2293754.7/18

Out: 189178.480+/-42.818 χ^2/NDF:2370955.0/22

All: 189852.762+/-31.039 χ^2/NDF: 4665232.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -203.732+/-91.974 χ^2/NDF:17.4/5

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 43.171+/-109.542 χ^2/NDF:2.3/3

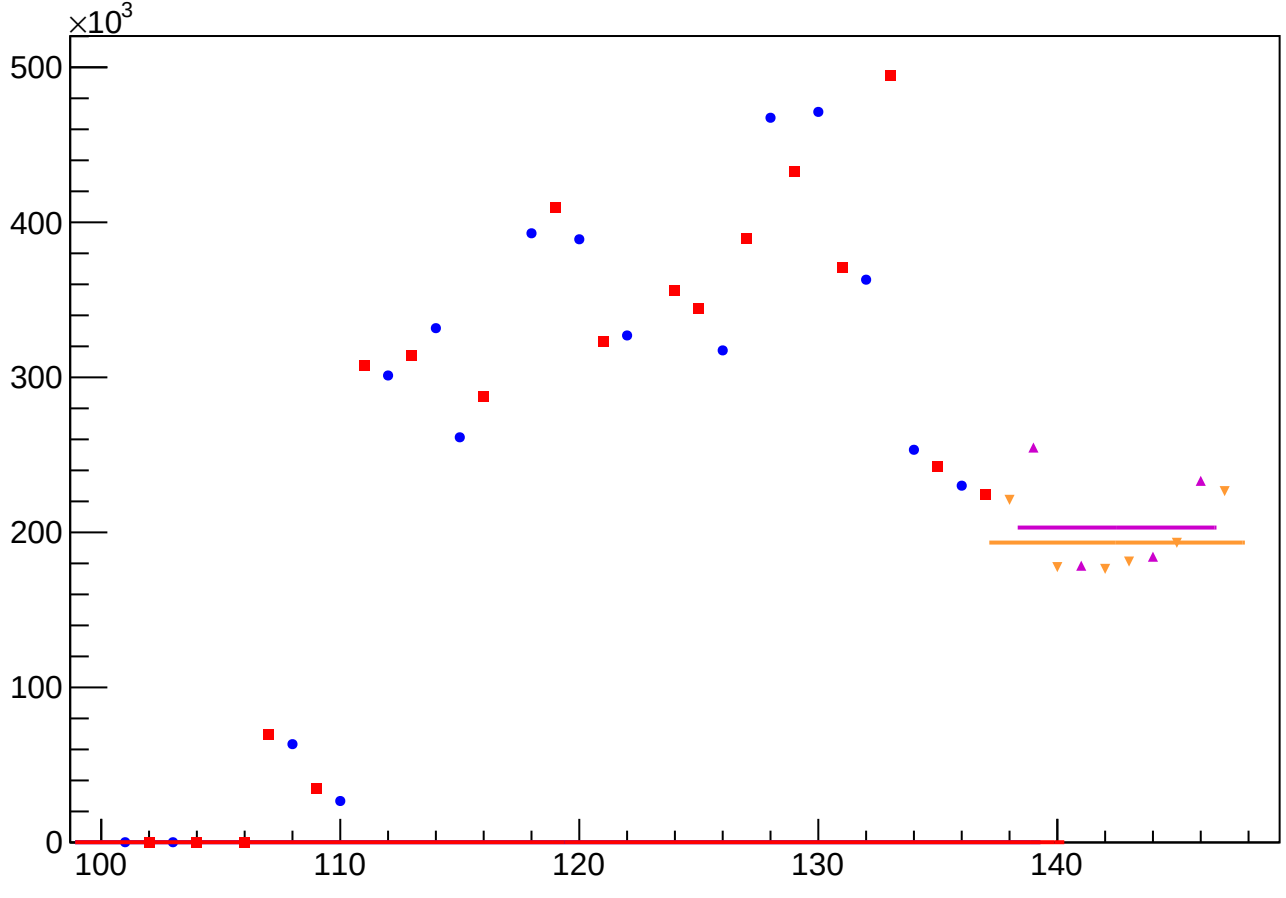
Left: -101.642+/-70.438 χ^2/NDF: 22.7/9

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:20.6/19

Out: 0.354+/-0.160 χ^2/NDF:38.8/24

All: 0.174+/-0.117 χ^2/NDF: 62.1/44



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 193437.146+/-65.036 χ^2/NDF:87867.7/5

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 203117.931+/-77.458 χ^2/NDF:151337.8/3

Left: 197439.971+/-49.807 χ^2/NDF: 248367.3/9

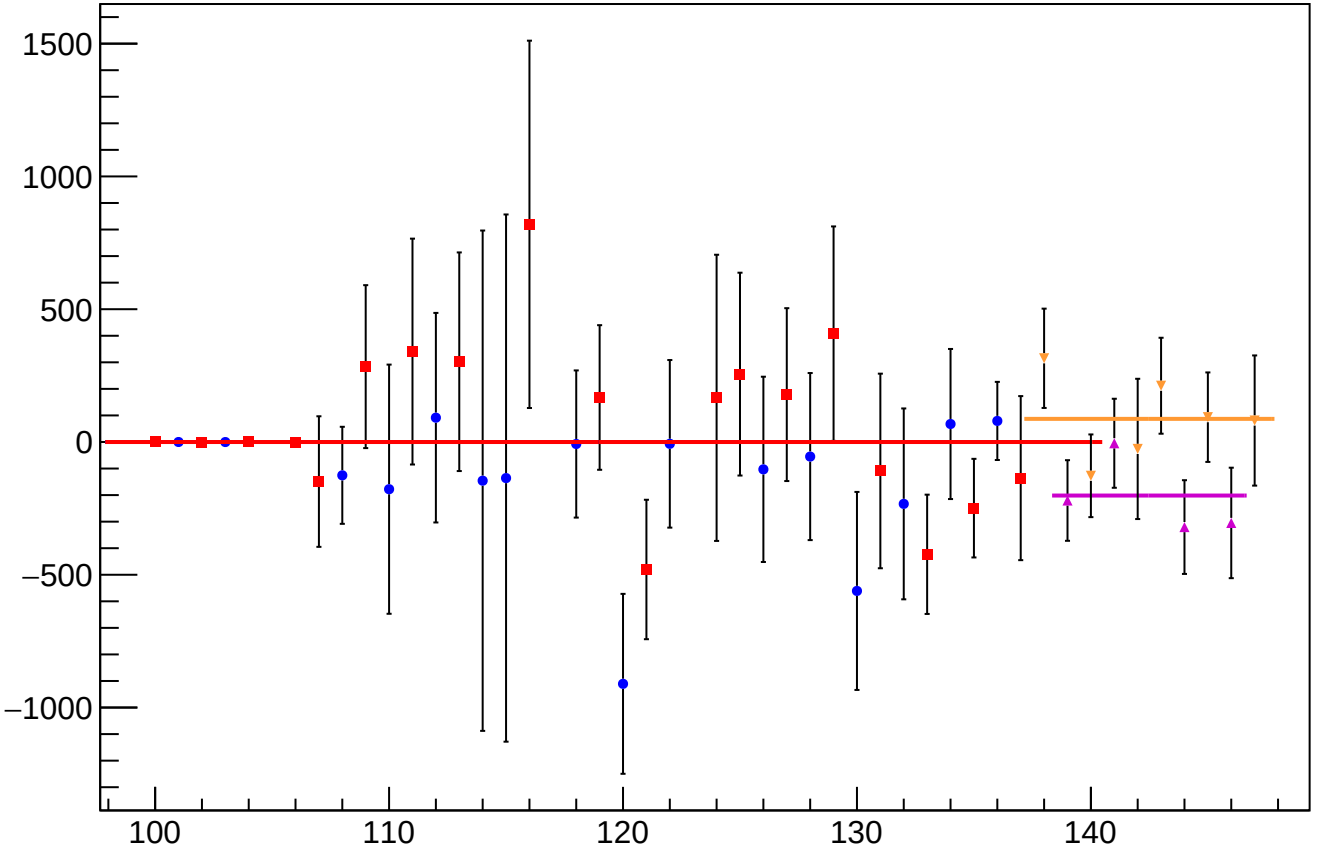
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.594+/-0.122 χ^2/NDF:18319691.8/19

Out: 149.965+/-0.113 χ^2/NDF:20209521.6/23

All: 149.793+/-0.083 χ^2/NDF: 38529218.3/43

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 87.069+/-77.450 χ^2/NDF:4.0/5

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -201.682+/-86.313 χ^2/NDF:2.1/3

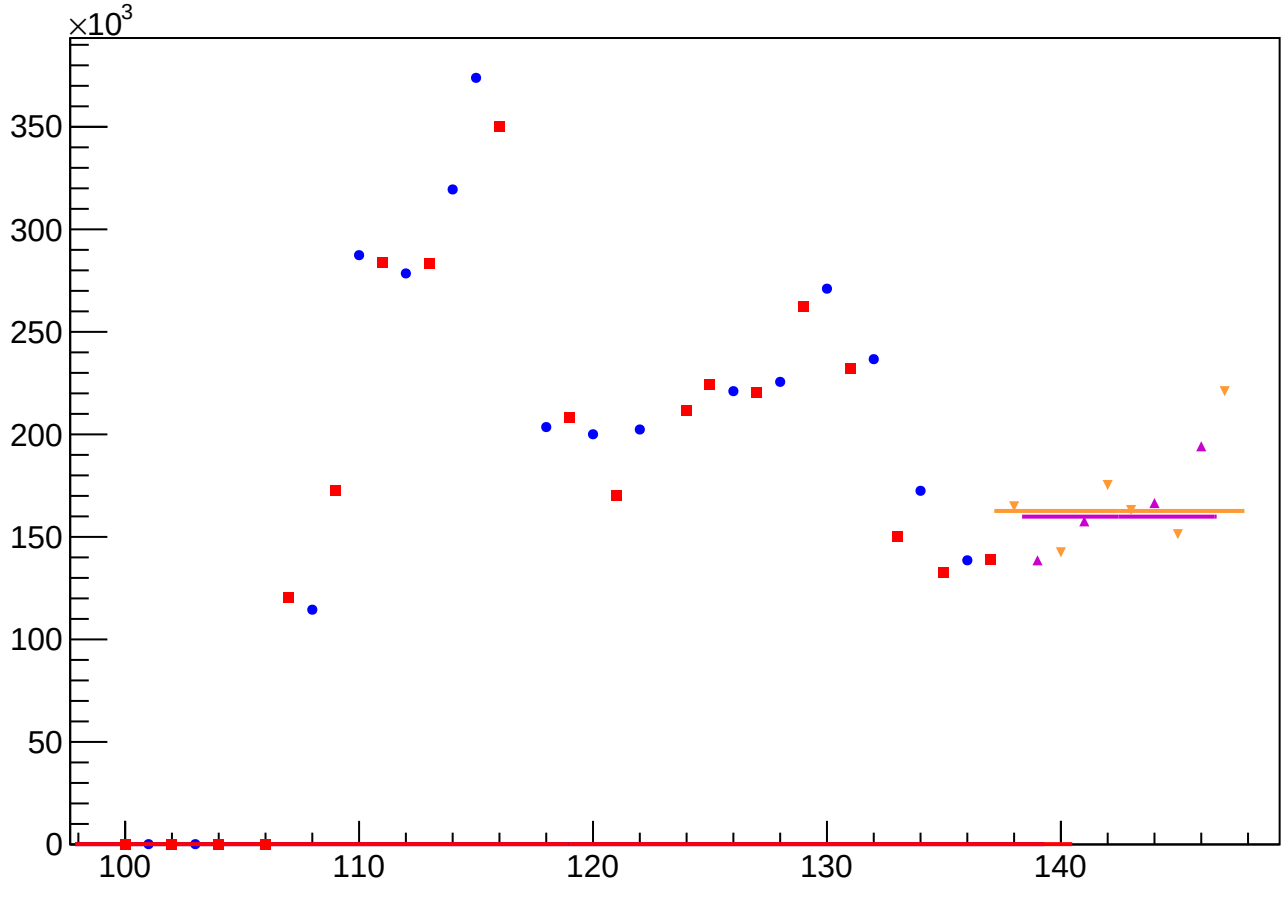
Left: -41.725+/-57.645 χ^2/NDF: 12.3/9

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:18.8/19

Out: -0.126+/-0.166 χ^2/NDF:20.5/24

All: -0.099+/-0.121 χ^2/NDF: 39.4/44



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 162657.828+/-54.766 χ^2/NDF:161135.4/5

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 159888.986+/-61.032 χ^2/NDF:97006.6/3

Left: 161422.815+/-40.761 χ^2/NDF: 259282.2/9

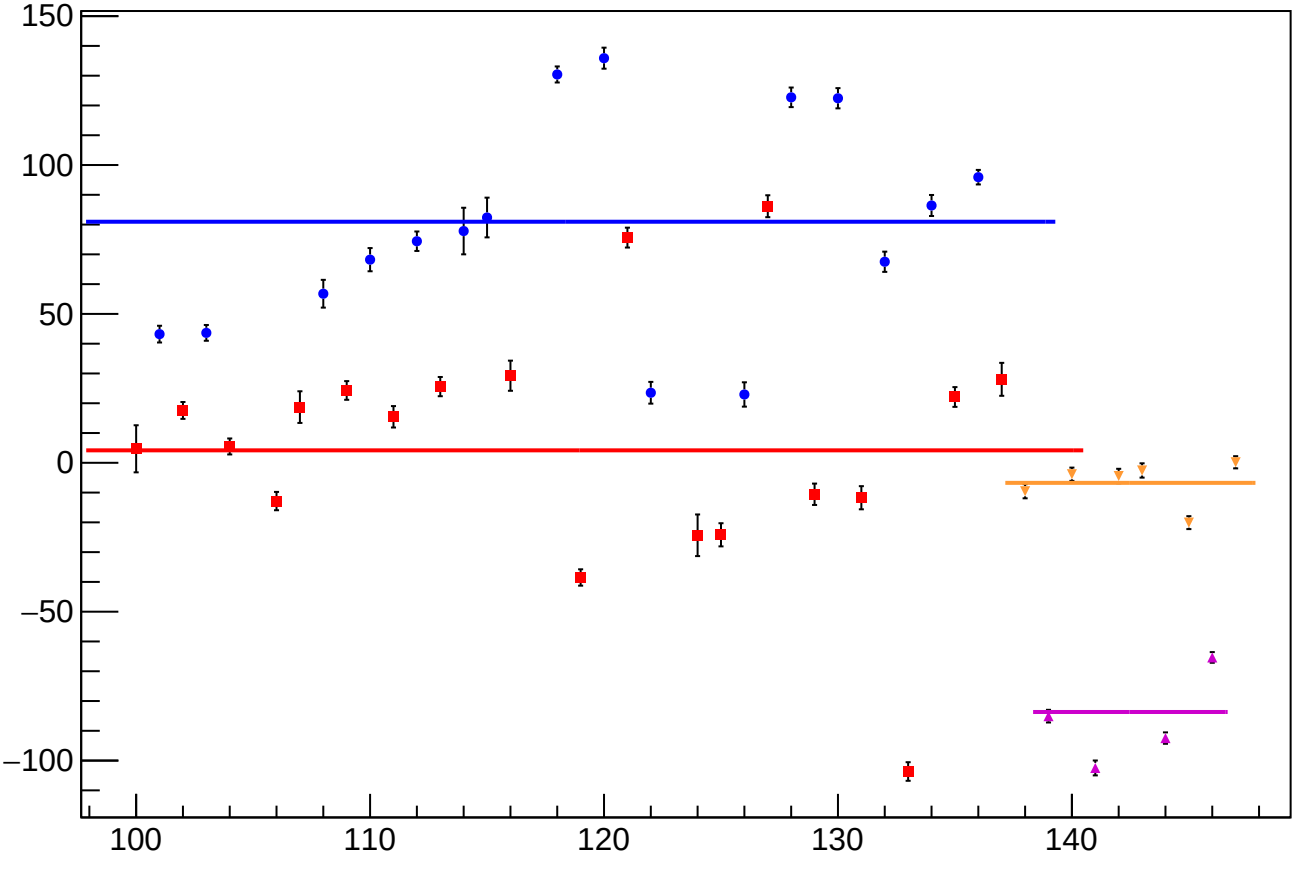
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 154.133+/-0.125 χ^2/NDF:18851763.0/19

Out: 156.908+/-0.118 χ^2/NDF:20296399.4/24

All: 155.608+/-0.086 χ^2/NDF: 39148422.9/44

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -6.736+/-0.924 χ^2/NDF:56.3/5

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -83.681+/-1.018 χ^2/NDF:182.4/3

Left: -41.485+/-0.684 χ^2/NDF: 3372.5/9

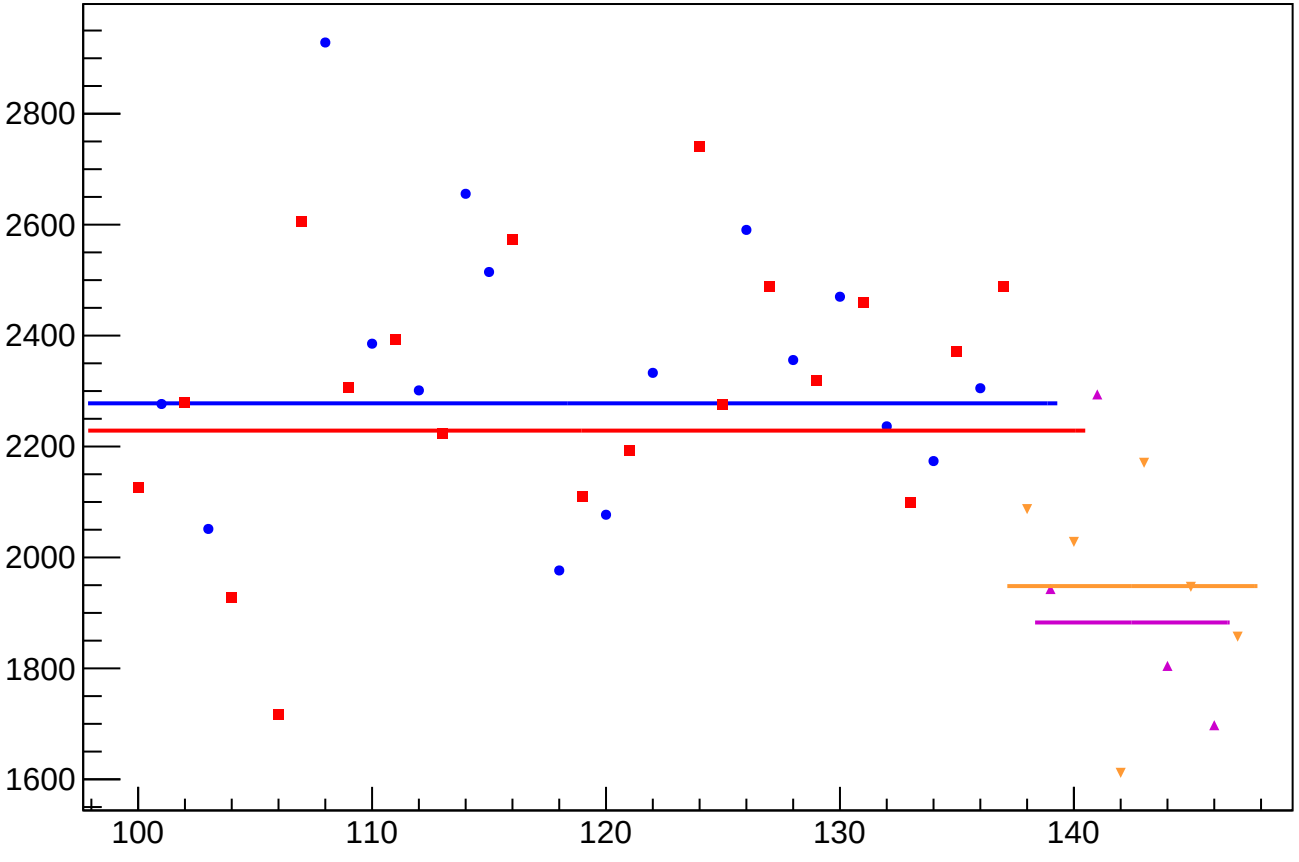
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: 13.179+/-0.653 χ^2/NDF:17387.8/19

Out: -0.630+/-0.613 χ^2/NDF:2854.1/24

All: 5.841+/-0.447 χ^2/NDF: 20479.6/44

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1948.357+/-0.653 χ^2/NDF:68883.2/5

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1882.751+/-0.720 χ^2/NDF:80406.7/3

Left: 1918.729+/-0.484 χ^2/NDF: 153846.3/9

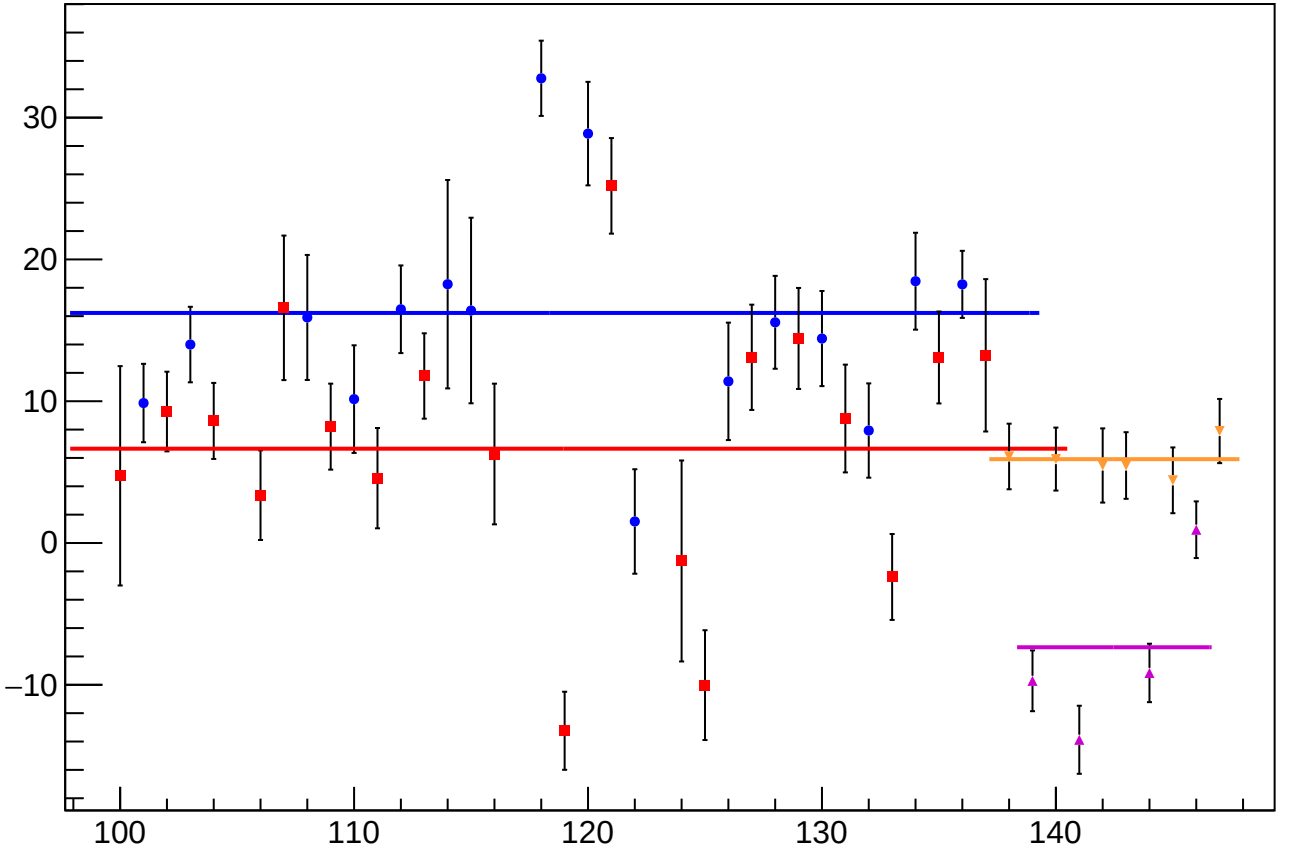
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2115.209+/-0.462 χ^2/NDF:373477.9/19

Out: 2105.117+/-0.434 χ^2/NDF:323030.3/24

All: 2109.846+/-0.316 χ^2/NDF: 696762.0/44

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.914+/-0.954 χ^2/NDF:1.3/5

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -7.351+/-1.068 χ^2/NDF:26.6/3

Left: 0.022+/-0.712 χ^2/NDF: 113.6/9

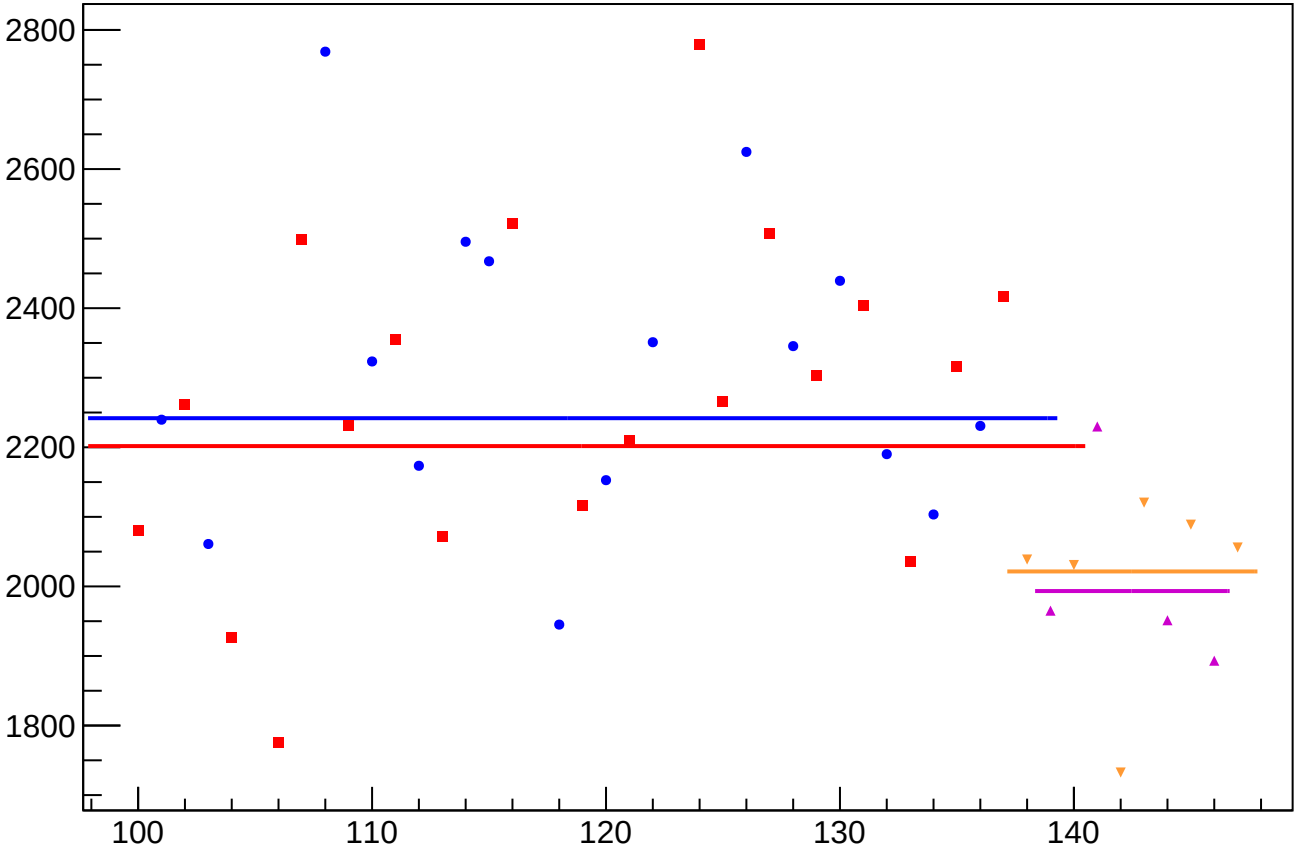
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 7.244+/-0.659 χ^2/NDF:413.0/19

Out: 6.343+/-0.617 χ^2/NDF:136.2/24

All: 6.764+/-0.451 χ^2/NDF: 550.1/44

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2021.522+/-0.675 χ^2/NDF:30243.0/5

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 1993.342+/-0.755 χ^2/NDF:25631.8/3

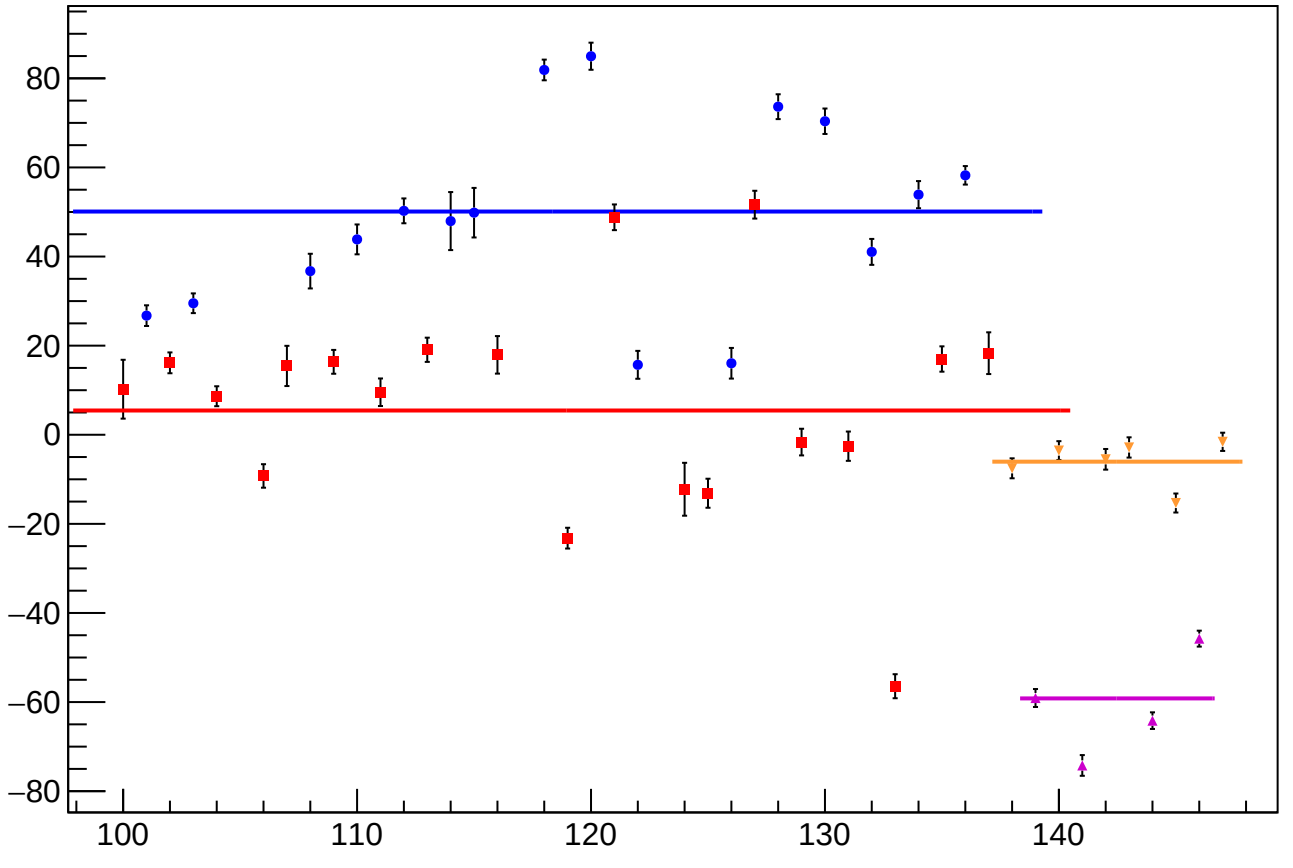
Left: 2009.006+/-0.503 χ^2/NDF: 56649.2/9

Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2147.178+/-0.466 χ^2/NDF:194963.8/19

Out: 2126.360+/-0.436 χ^2/NDF:201607.2/24

All: 2136.088+/-0.319 χ^2/NDF: 397634.2/44



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -6.040+/-0.890 χ^2/NDF:27.5/5

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -59.179+/-0.985 χ^2/NDF:105.3/3

Left: -29.941+/-0.660 χ^2/NDF: 1735.3/9

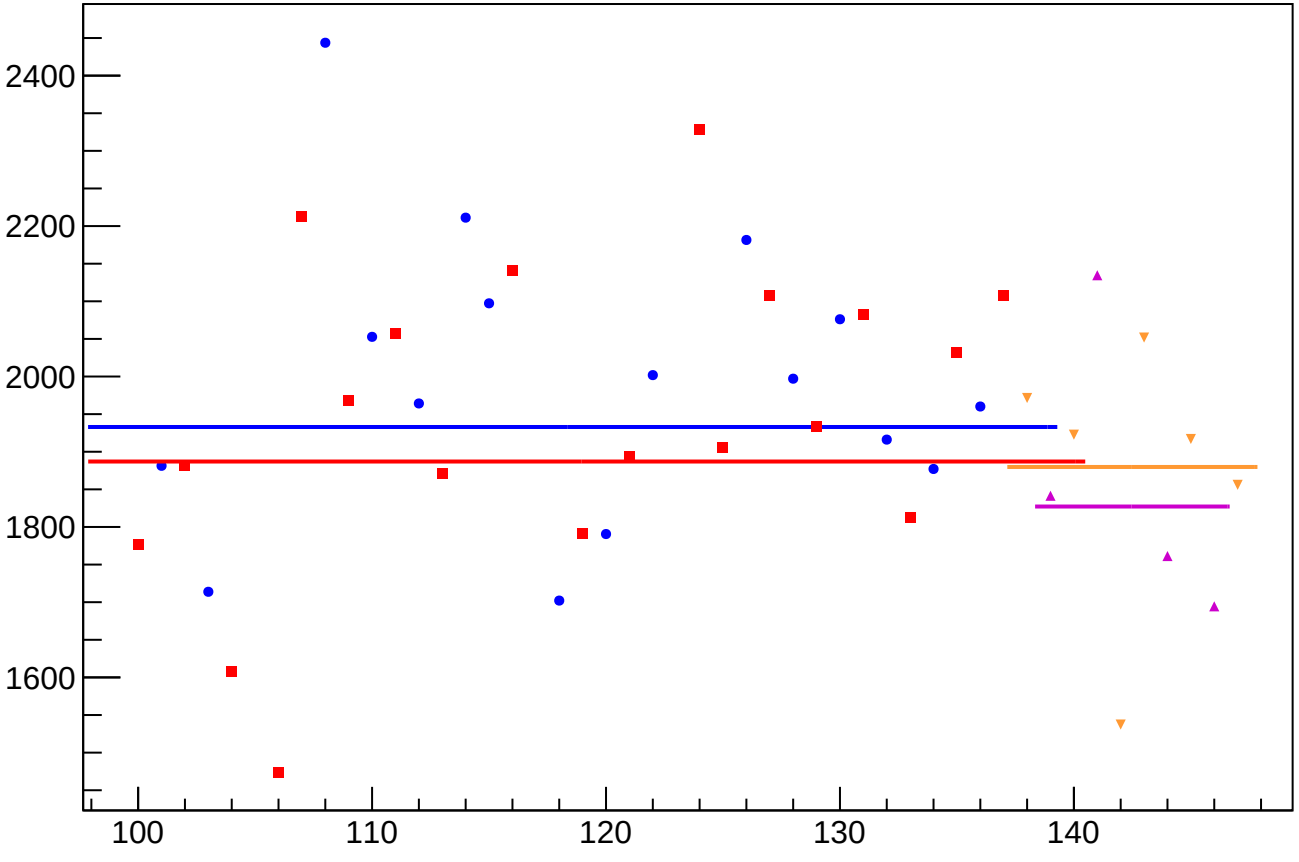
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: 11.883+/-0.582 χ^2/NDF:9003.3/19

Out: 1.101+/-0.547 χ^2/NDF:1442.6/24

All: 6.160+/-0.399 χ^2/NDF: 10627.8/44

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1879.764+/-0.630 χ^2/NDF:60123.8/5

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1827.180+/-0.696 χ^2/NDF:48575.1/3

Left: 1856.113+/-0.467 χ^2/NDF: 111837.0/9

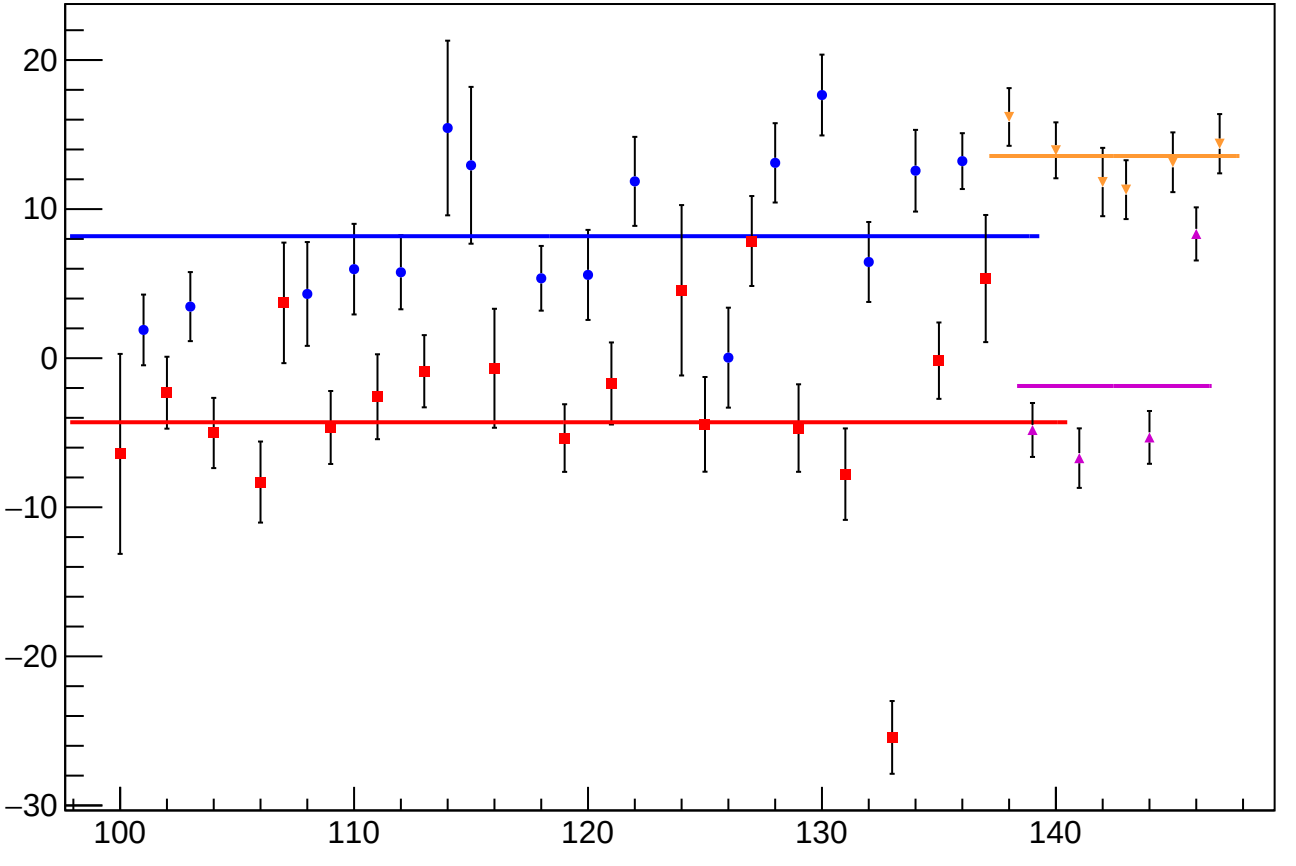
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1895.929+/-0.412 χ^2/NDF:169535.4/19

Out: 1884.267+/-0.387 χ^2/NDF:209952.6/24

All: 1889.739+/-0.282 χ^2/NDF: 379913.8/44

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.562+/-0.816 χ^2/NDF:4.0/5

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -1.864+/-0.917 χ^2/NDF:45.1/3

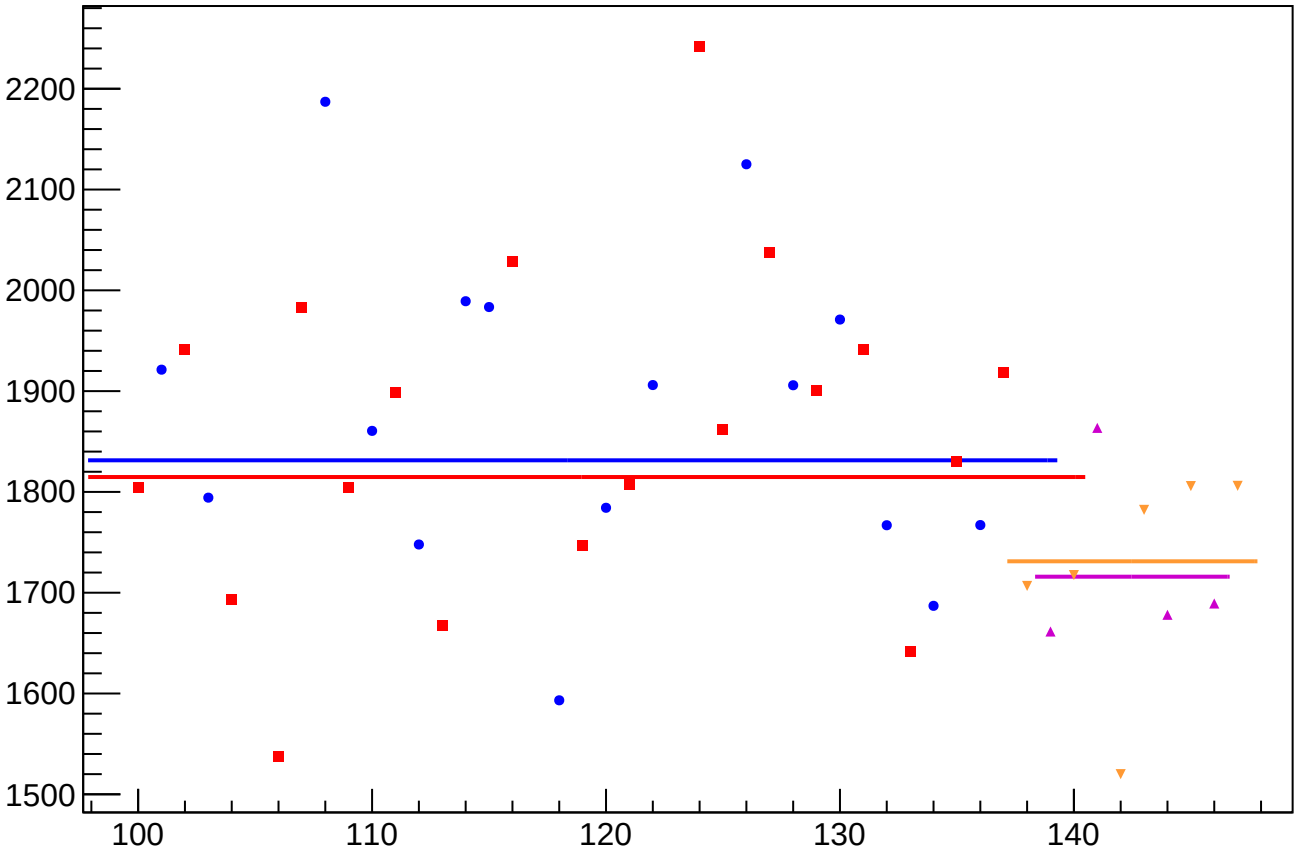
Left: 6.739+/-0.610 χ^2/NDF: 207.0/9

Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 4.593+/-0.548 χ^2/NDF:174.3/19

Out: 2.832+/-0.516 χ^2/NDF:405.4/24

All: 3.659+/-0.376 χ^2/NDF: 585.2/44



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1731.160+/-0.577 χ^2/NDF:24354.0/5

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1715.896+/-0.648 χ^2/NDF:14097.6/3

Left: 1724.408+/-0.431 χ^2/NDF: 38760.8/9

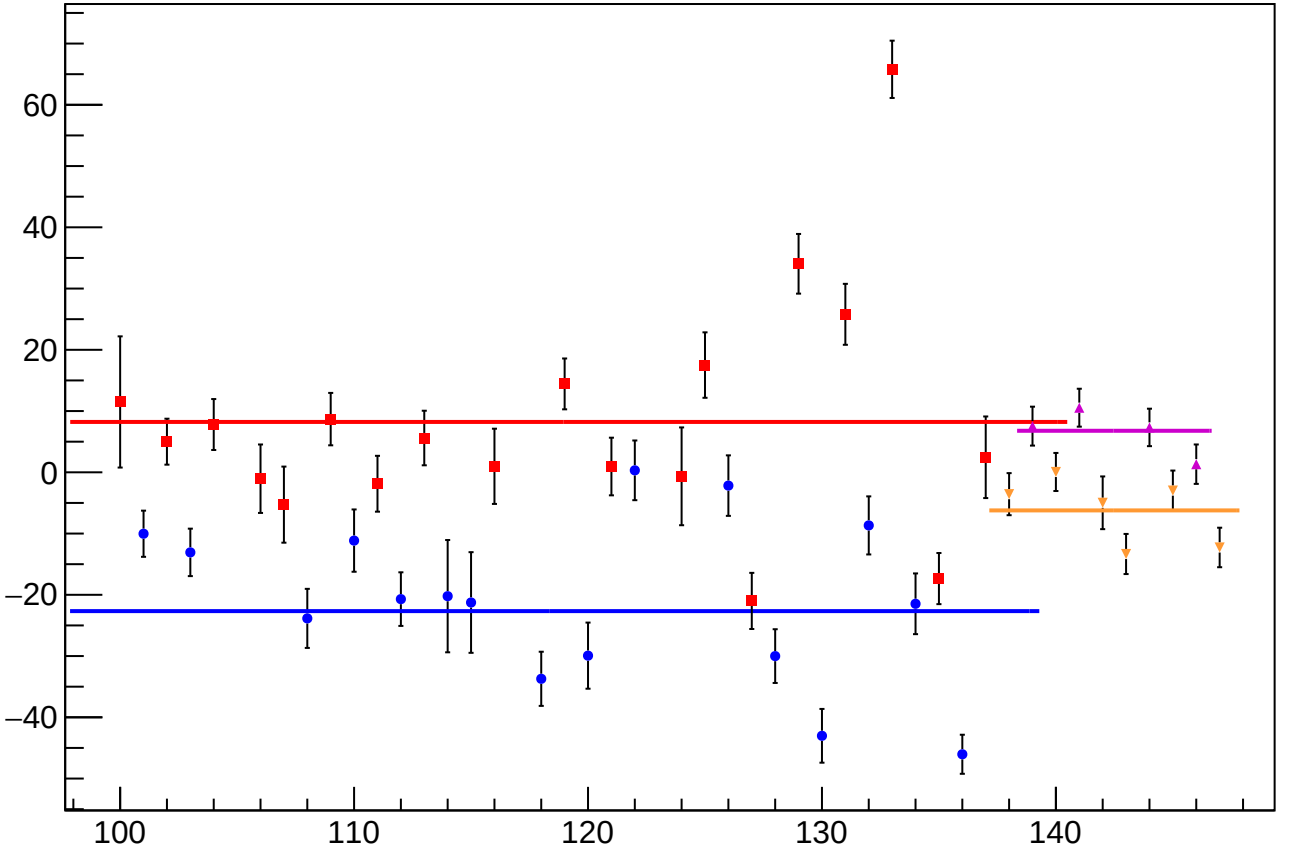
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1790.100+/-0.387 χ^2/NDF:121407.7/19

Out: 1781.396+/-0.365 χ^2/NDF:127697.1/24

All: 1785.485+/-0.266 χ^2/NDF: 249372.4/44

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -6.221+/-1.380 χ^2/NDF:14.0/5

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 6.780+/-1.568 χ^2/NDF:4.4/3

Left: -0.546+/-1.036 χ^2/NDF: 57.2/9

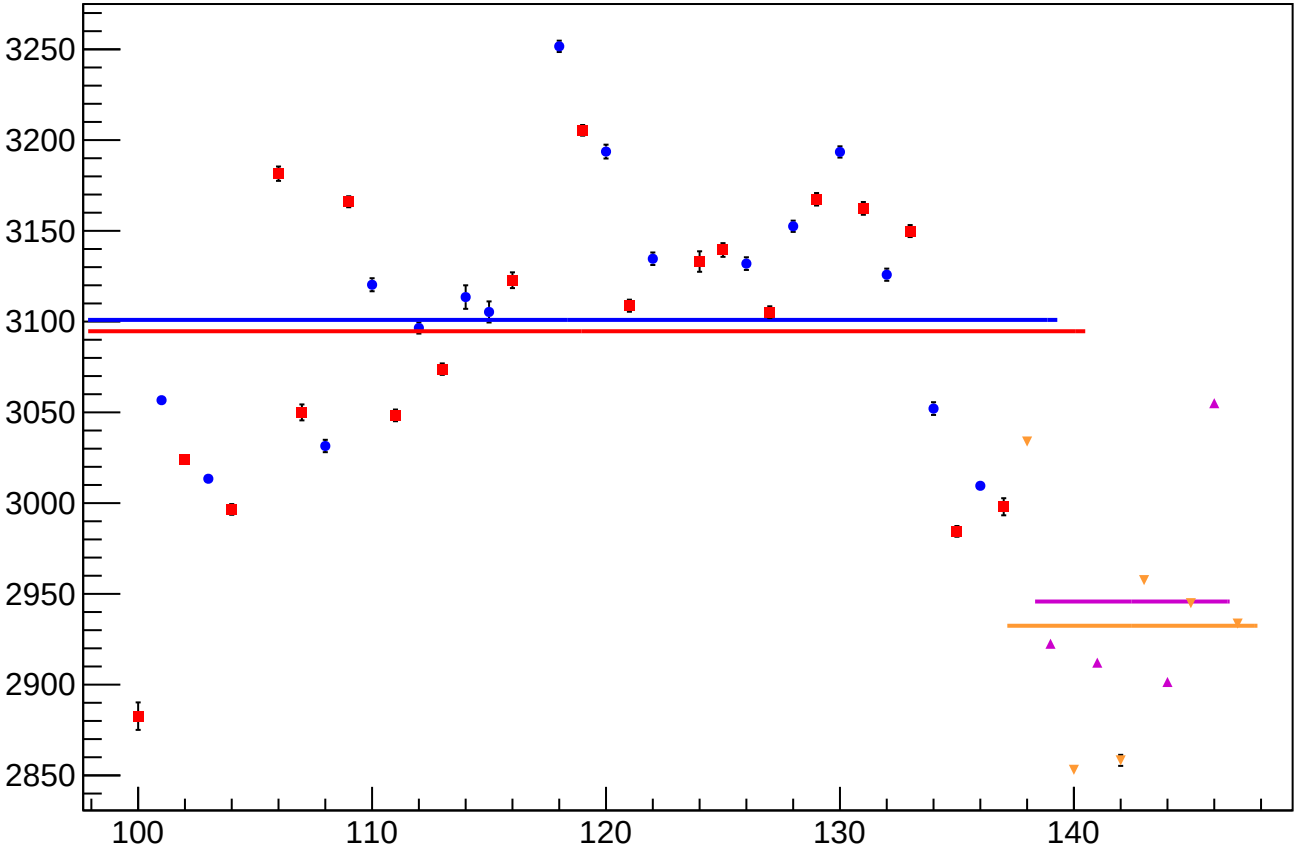
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -12.339+/-0.928 χ^2/NDF:390.7/19

Out: 2.432+/-0.874 χ^2/NDF:374.5/24

All: -4.506+/-0.636 χ^2/NDF: 899.4/44

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2932.440+/-0.976 χ^2/NDF:3791.5/5

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 2945.789+/-1.108 χ^2/NDF:3070.8/3

Left: 2938.267+/-0.732 χ^2/NDF: 6944.0/9

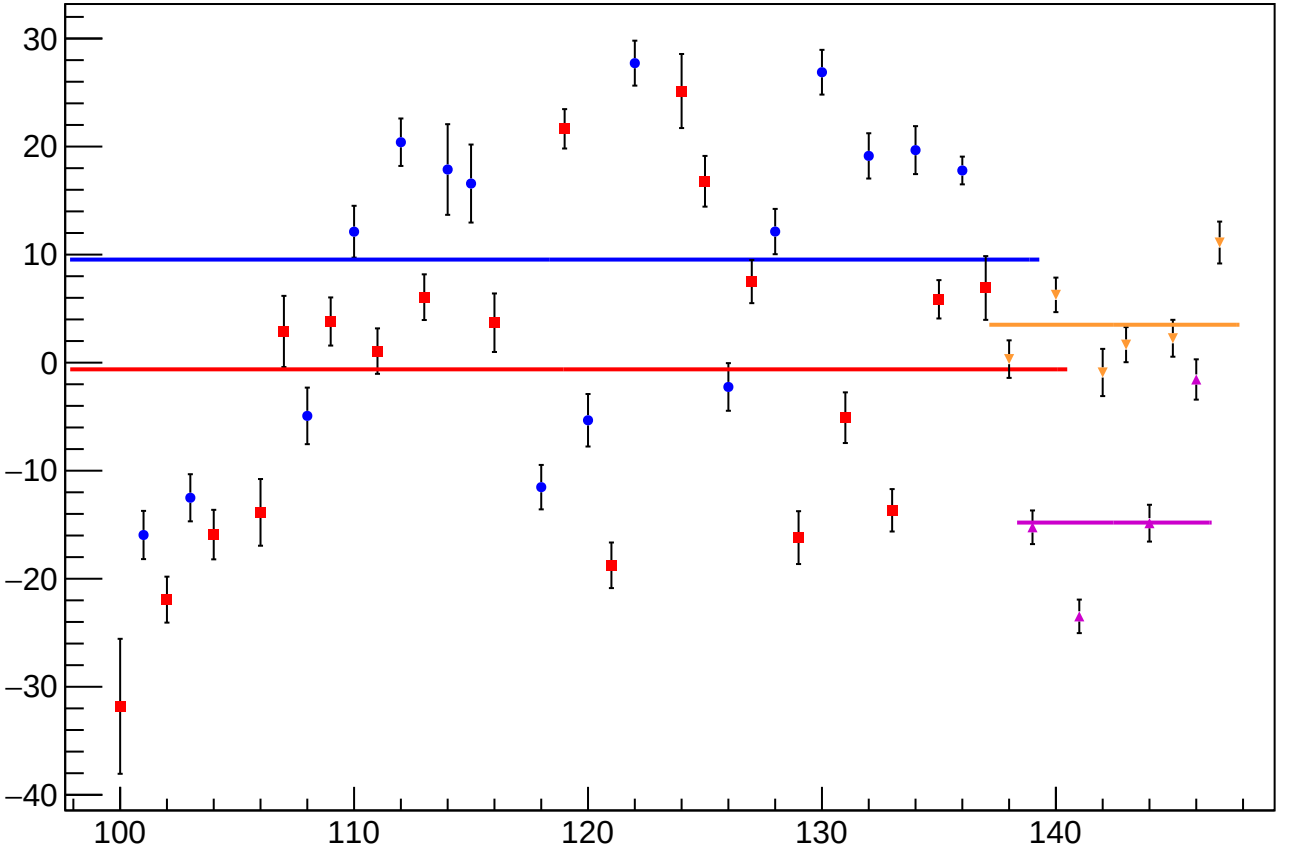
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3046.538+/-0.656 χ^2/NDF:23686.3/19

Out: 3029.631+/-0.618 χ^2/NDF:28943.9/24

All: 3037.573+/-0.450 χ^2/NDF: 52982.1/44

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 3.509+/-0.721 χ^2/NDF:27.7/5

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -14.802+/-0.828 χ^2/NDF:81.8/3

Left: -4.397+/-0.544 χ^2/NDF: 387.6/9

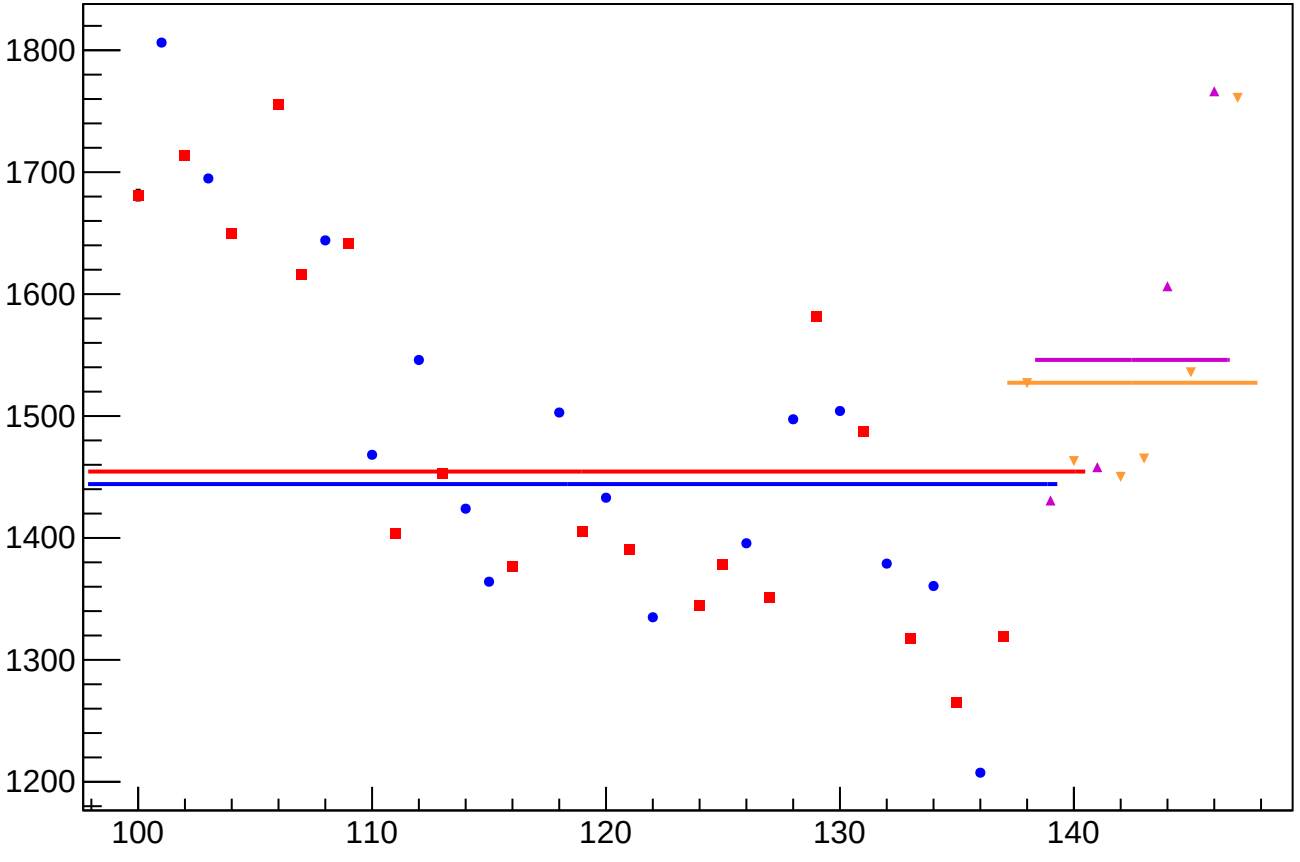
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: 2.247+/-0.453 χ^2/NDF:1386.4/19

Out: 0.842+/-0.429 χ^2/NDF:714.7/24

All: 1.507+/-0.312 χ^2/NDF: 2106.1/44

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1527.307+/-0.510 χ^2/NDF:37778.0/5

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1546.040+/-0.585 χ^2/NDF:47805.3/3

Left: 1535.395+/-0.385 χ^2/NDF: 86165.5/9

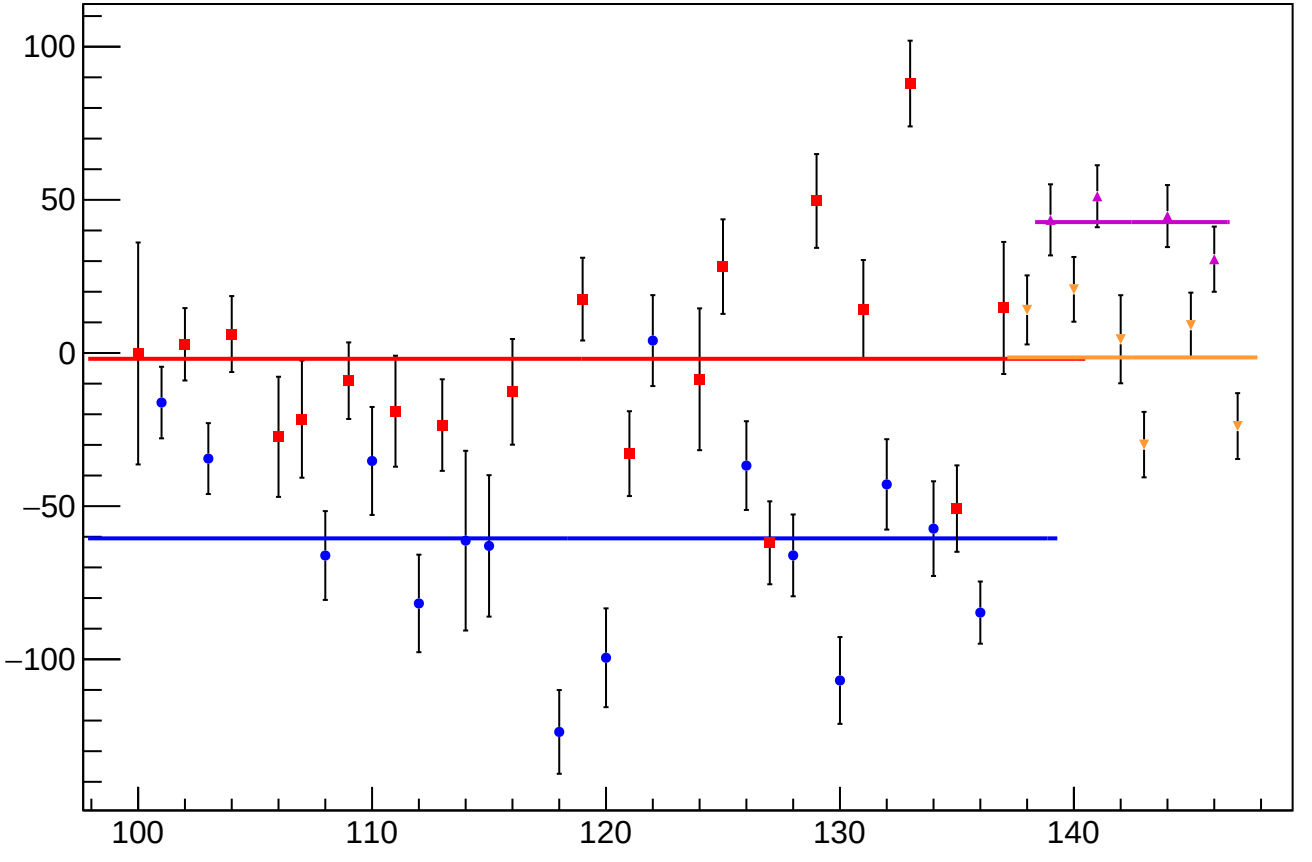
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1474.703+/-0.320 χ^2/NDF:249167.6/19

Out: 1480.259+/-0.304 χ^2/NDF:193719.7/24

All: 1477.630+/-0.220 χ^2/NDF: 443045.8/44

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -1.451+/-4.569 χ^2/NDF:18.9/5

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 42.740+/-5.287 χ^2/NDF:2.0/3

Left: 17.442+/-3.457 χ^2/NDF: 60.9/9

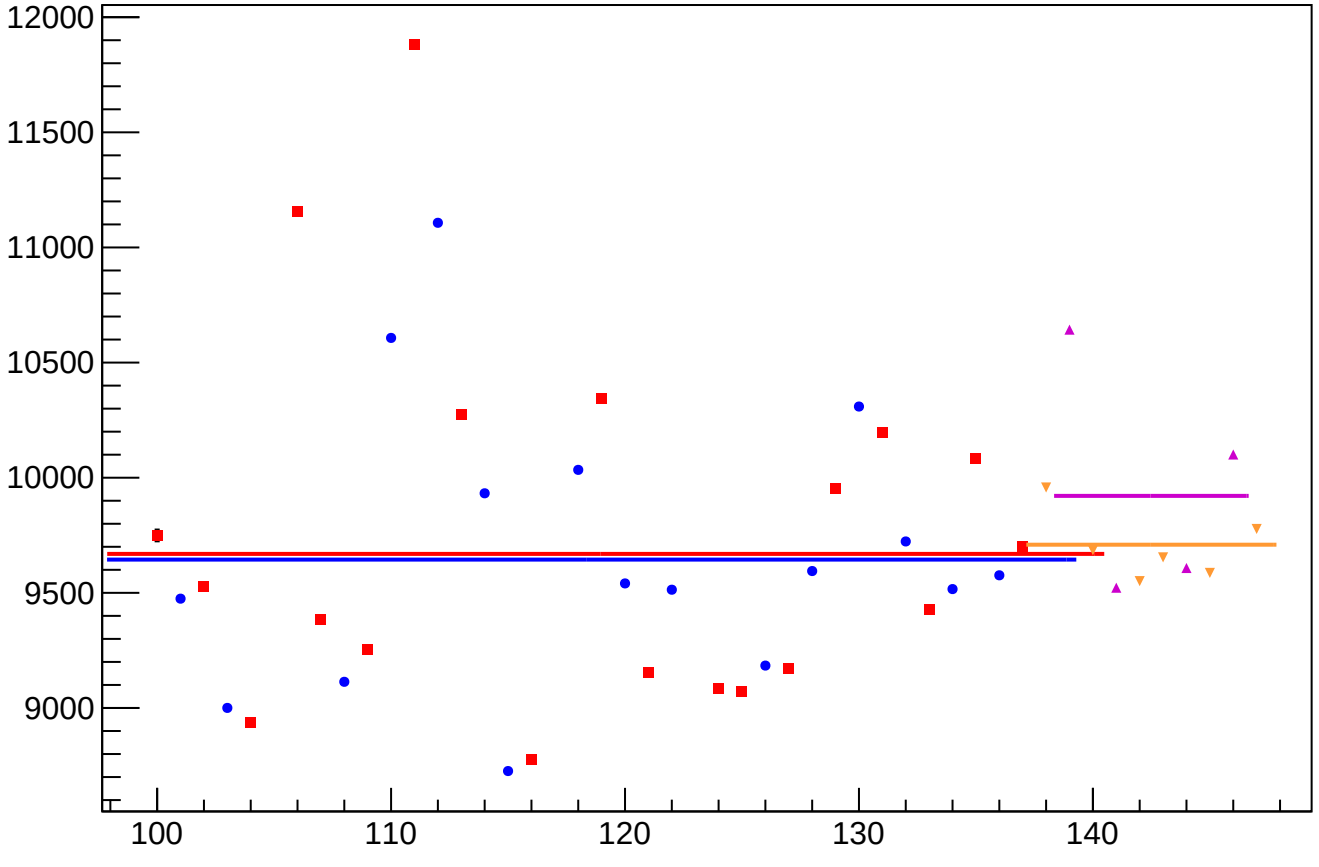
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -27.853+/-2.974 χ^2/NDF:353.1/19

Out: -1.728+/-2.800 χ^2/NDF:122.8/24

All: -14.005+/-2.038 χ^2/NDF: 516.8/44

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9709.101+/-3.231 χ^2/NDF:1623.1/5

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 9921.130+/-3.738 χ^2/NDF:13326.7/3

Left: 9799.752+/-2.444 χ^2/NDF: 16791.4/9

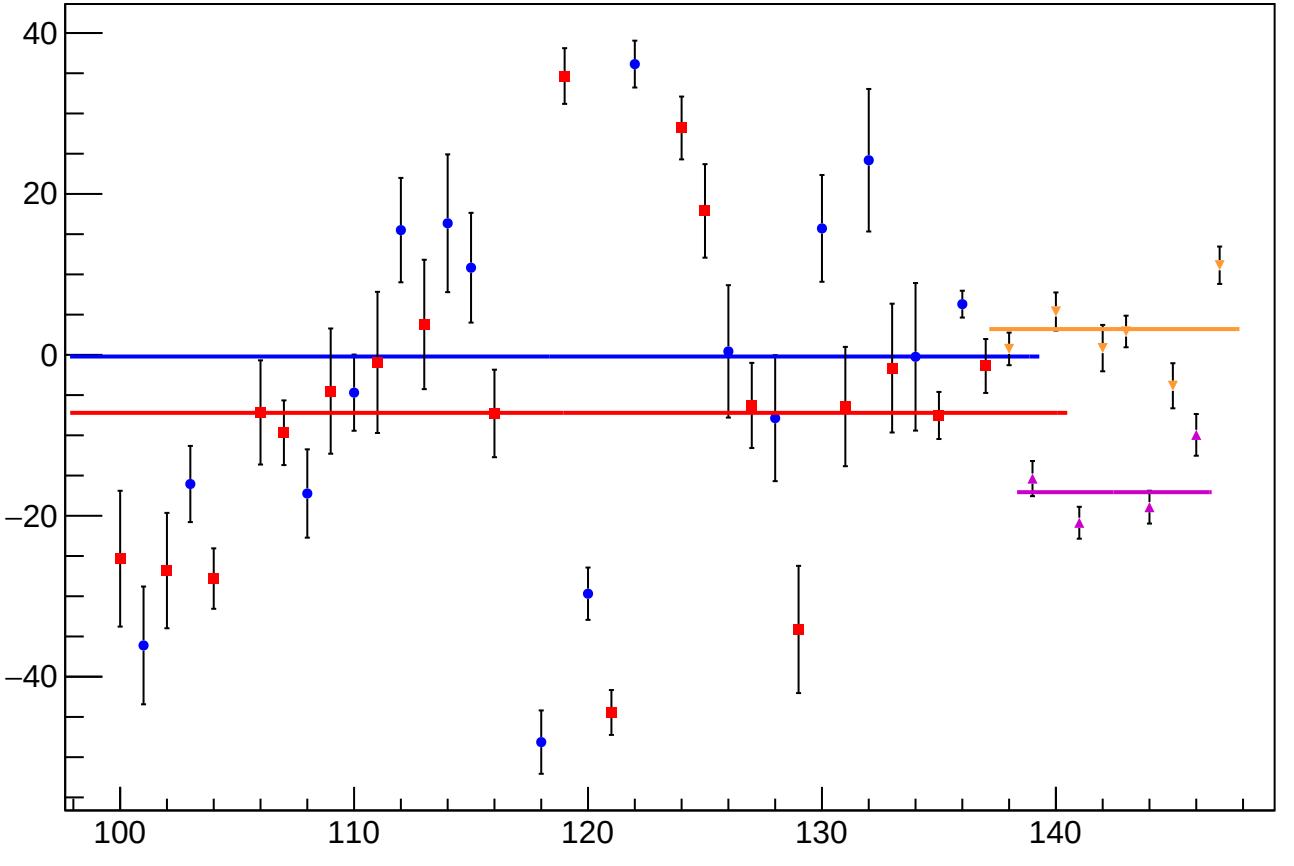
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9731.936+/-2.103 χ^2/NDF:61174.6/19

Out: 9684.143+/-1.980 χ^2/NDF:81596.8/24

All: 9706.602+/-1.441 χ^2/NDF: 143045.3/44

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 3.205+/-0.947 χ^2/NDF:21.0/5

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -17.067+/-1.083 χ^2/NDF:12.7/3

Left: -5.582+/-0.713 χ^2/NDF: 232.3/9

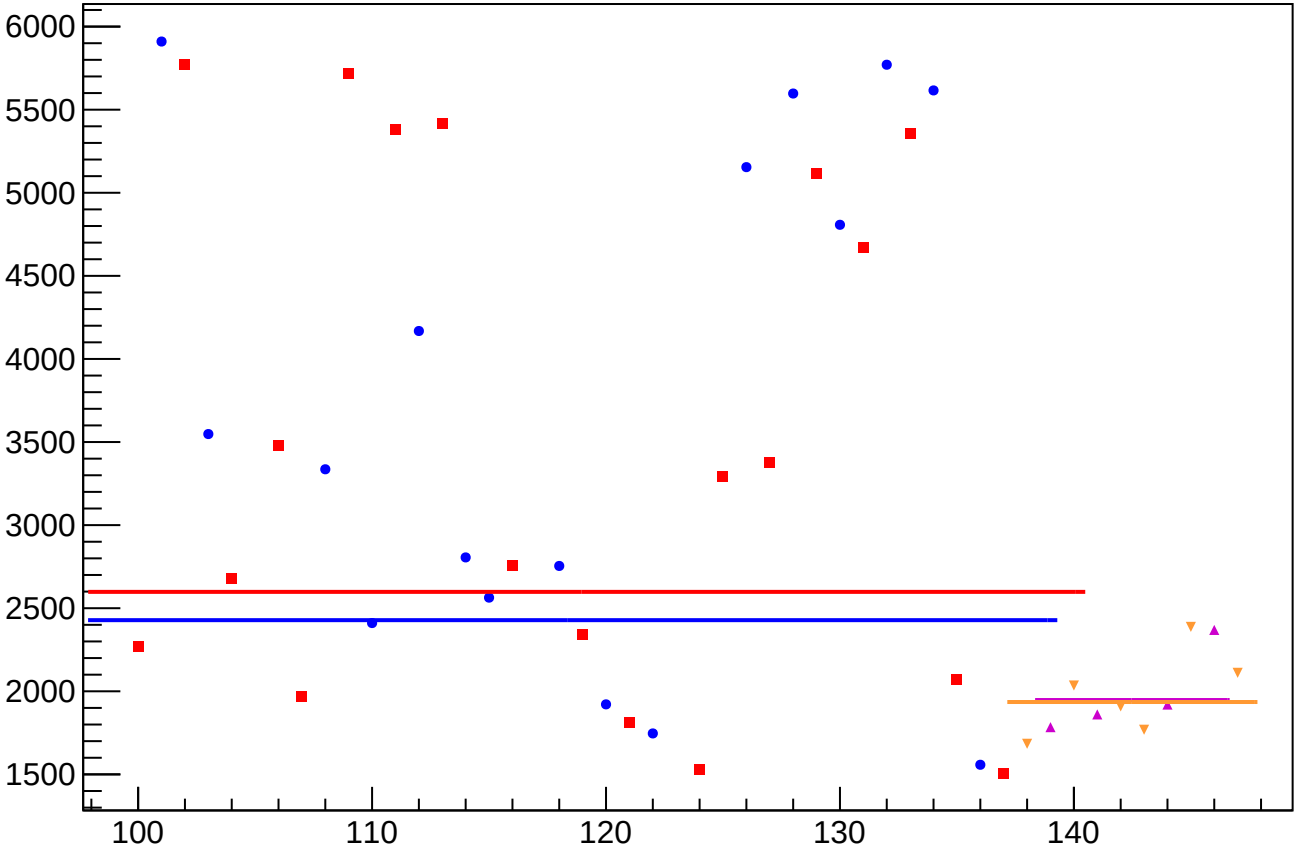
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -8.342+/-0.752 χ^2/NDF:611.9/19

Out: -1.350+/-0.710 χ^2/NDF:559.6/24

All: -4.646+/-0.516 χ^2/NDF: 1217.1/44

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1935.561+/-0.670 χ^2/NDF:112496.5/5

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 1947.456+/-0.765 χ^2/NDF:68330.6/3

Left: 1940.717+/-0.504 χ^2/NDF: 180963.9/9

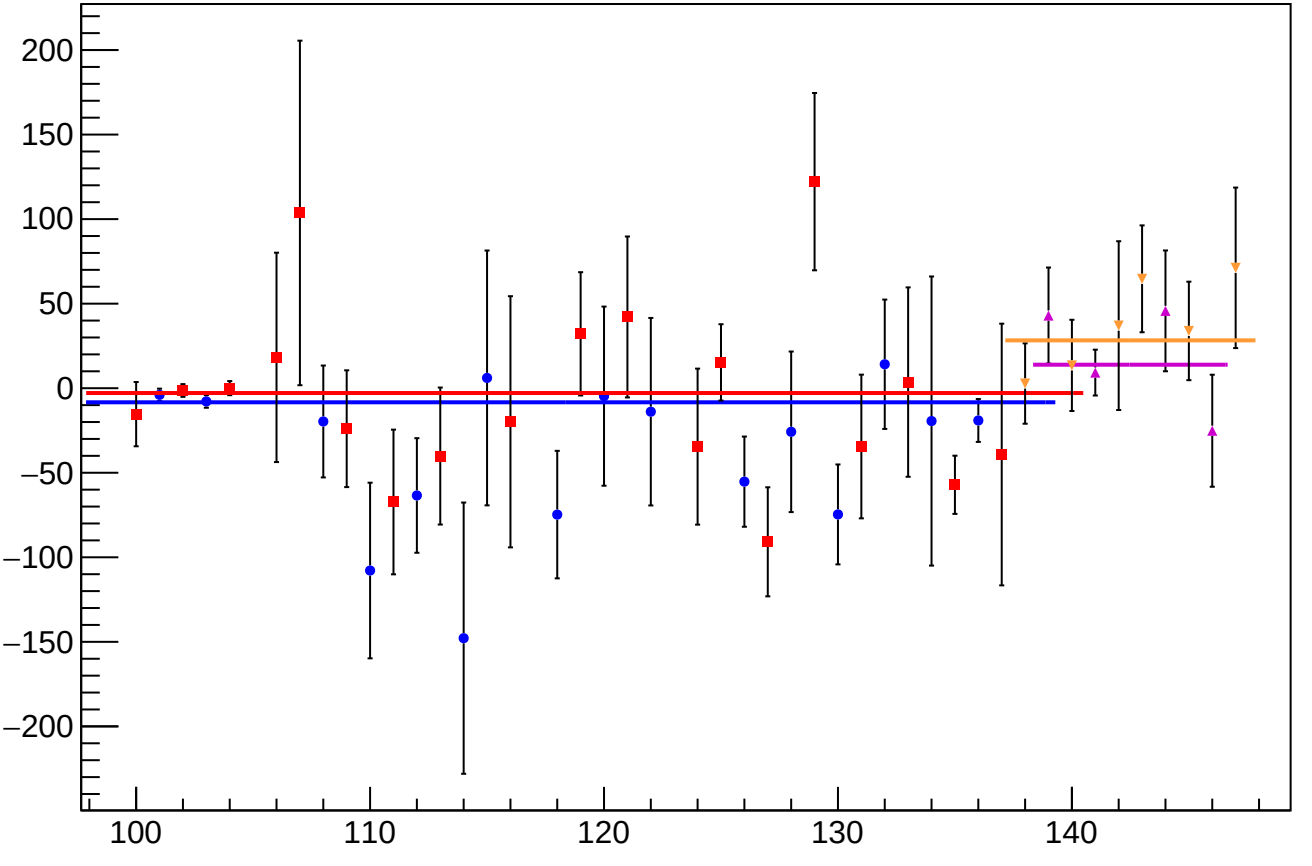
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2196.167+/-0.532 χ^2/NDF:3087667.8/19

Out: 2225.539+/-0.502 χ^2/NDF:3056111.5/24

All: 2211.693+/-0.365 χ^2/NDF: 6145392.1/44

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 28.295+/-12.731 χ^2/NDF:3.7/5

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 13.898+/-10.923 χ^2/NDF:3.3/3

Left: 20.003+/-8.290 χ^2/NDF: 7.8/9

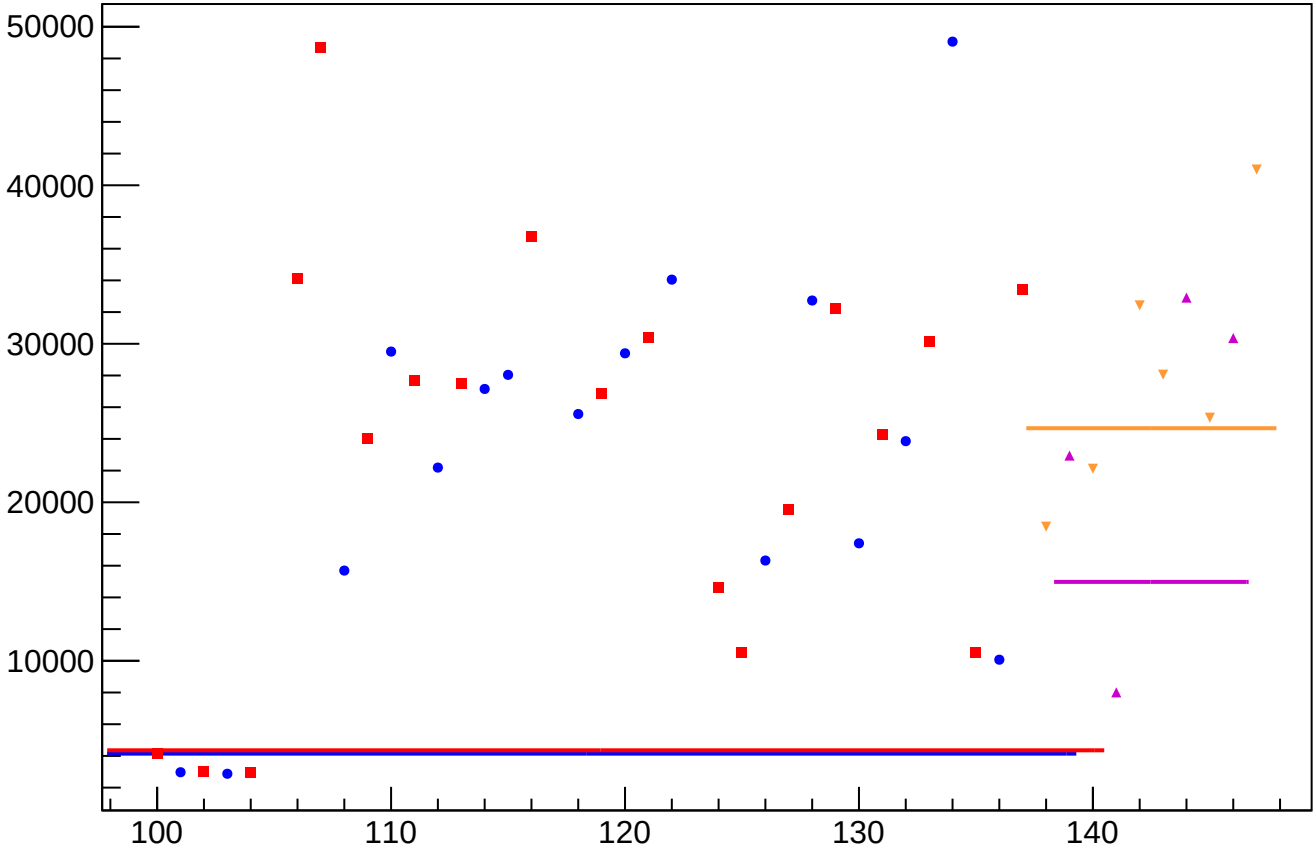
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -7.226+/-2.436 χ^2/NDF:30.7/19

Out: -1.564+/-2.585 χ^2/NDF:42.0/24

All: -4.562+/-1.773 χ^2/NDF: 75.3/44

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24674.376+/-9.002 χ^2/NDF:463056.3/5

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 14978.646+/-7.724 χ^2/NDF:1621803.0/3

Left: 19089.816+/-5.862 χ^2/NDF: 2753030.2/9

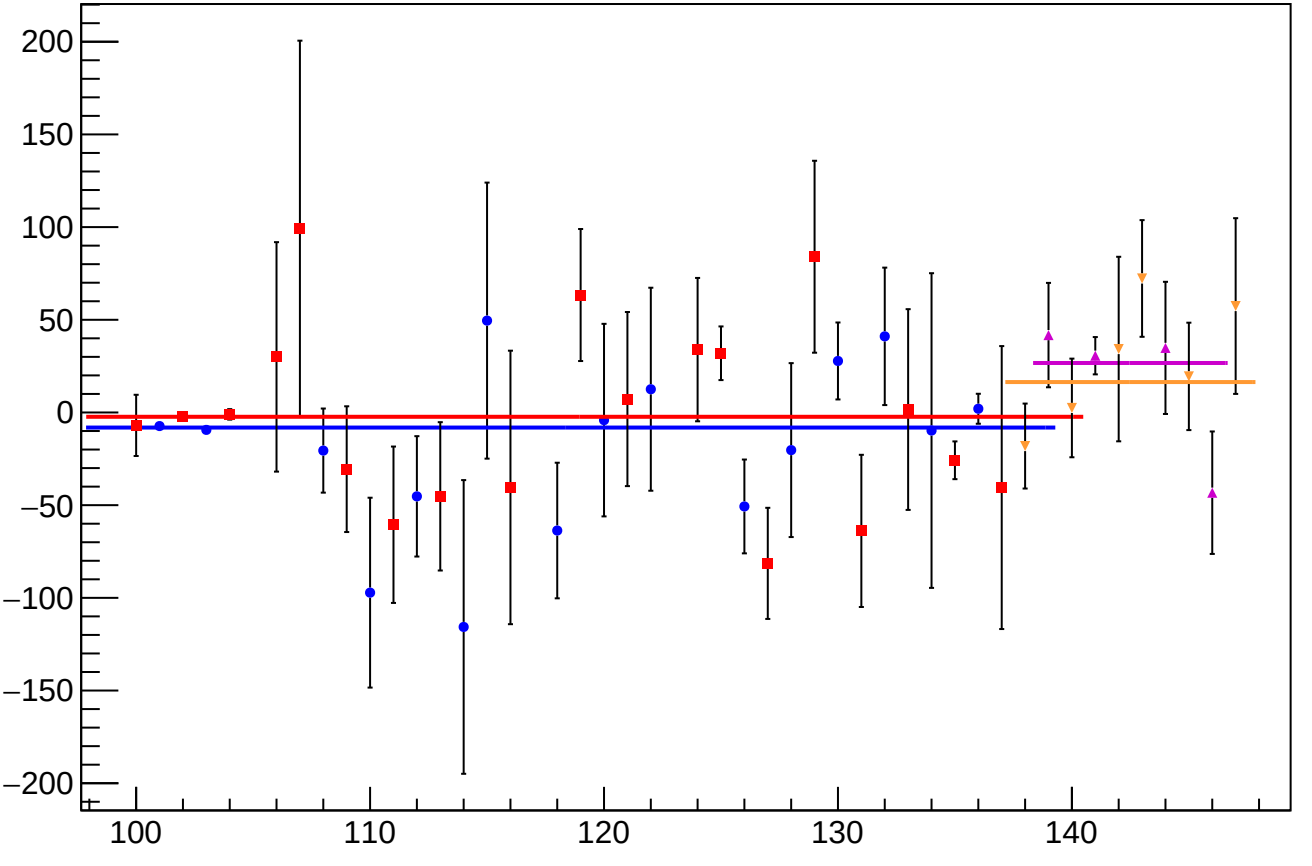
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 4684.751+/-1.723 χ^2/NDF:10327989.5/19

Out: 5191.957+/-1.828 χ^2/NDF:12973030.3/24

All: 4923.398+/-1.254 χ^2/NDF: 23341802.0/4

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: 16.412+/-12.532 χ^2/NDF:6.6/5

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 26.699+/-8.826 χ^2/NDF:5.0/3

Left: 23.288+/-7.216 χ^2/NDF: 12.0/9

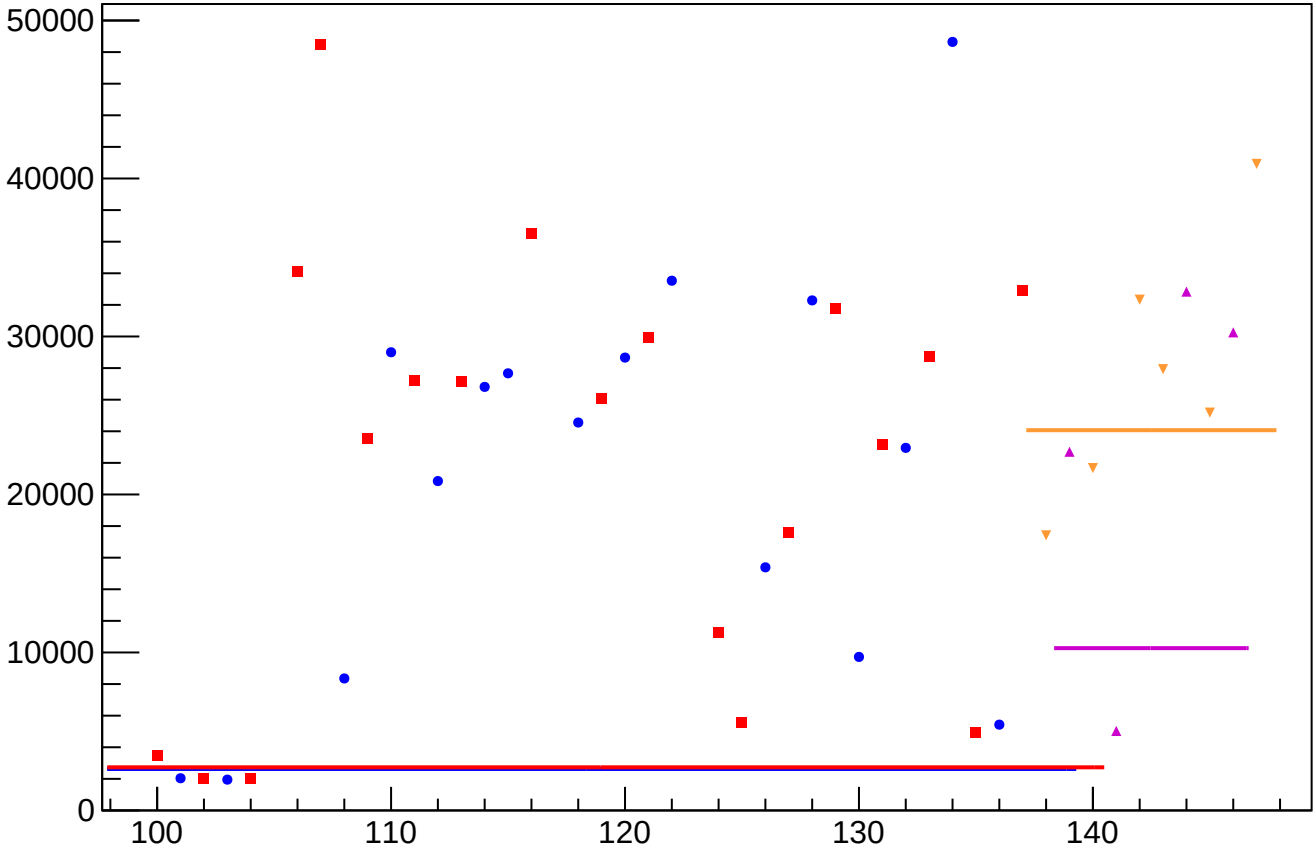
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.857+/-1.689 χ^2/NDF:39.1/19

Out: -1.937+/-1.803 χ^2/NDF:41.8/24

All: -4.558+/-1.232 χ^2/NDF: 84.9/44

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24068.279+/-8.861 χ^2/NDF:526062.5/5

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 10273.585+/-6.241 χ^2/NDF:2466165.2/3

Left: 14847.219+/-5.102 χ^2/NDF: 4612181.4/9

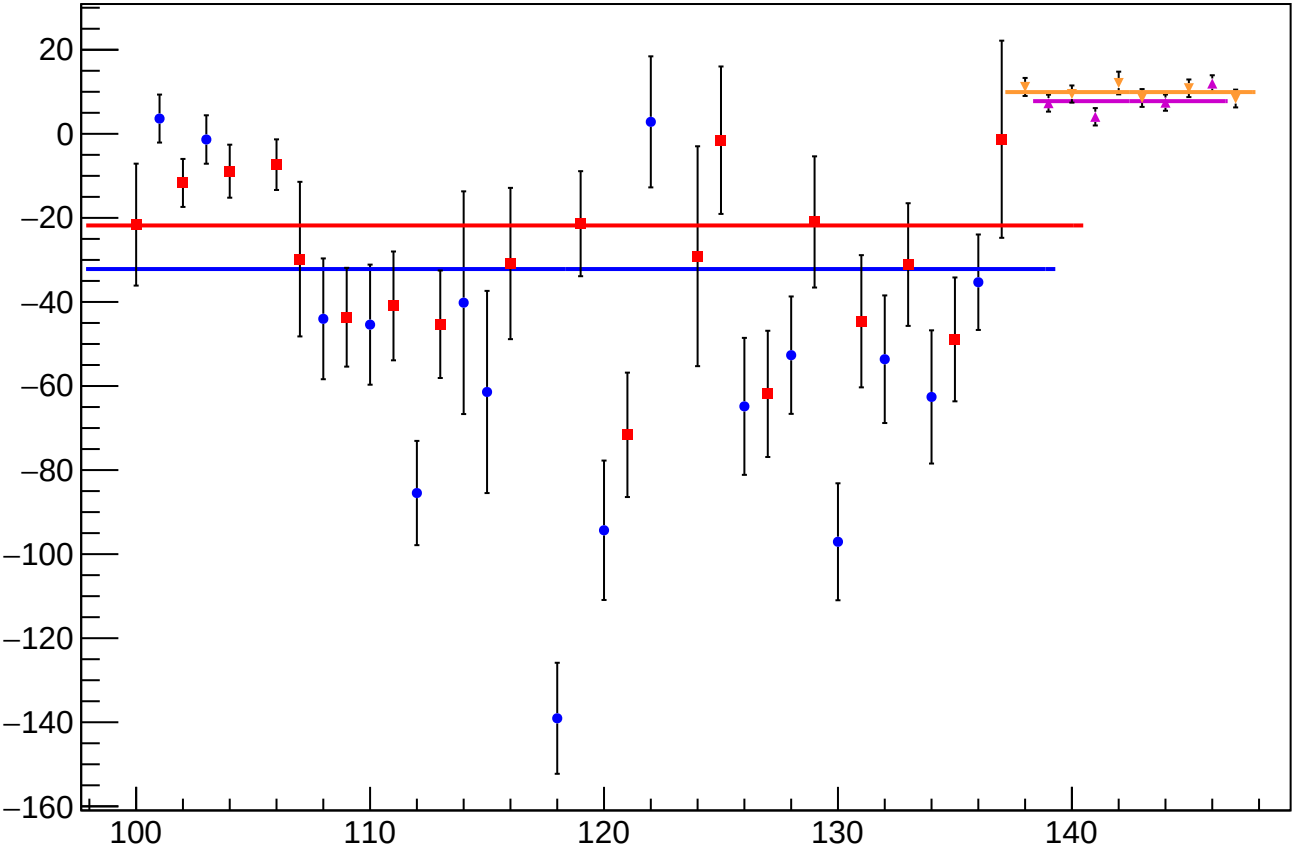
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 2906.365+/-1.194 χ^2/NDF:10693597.2/19

Out: 3171.793+/-1.275 χ^2/NDF:14190597.7/24

All: 3030.413+/-0.871 χ^2/NDF: 24907289.5/4

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 9.932+/-0.888 χ^2/NDF:2.2/5

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 7.775+/-0.998 χ^2/NDF:7.8/3

Left: 8.979+/-0.663 χ^2/NDF: 12.6/9

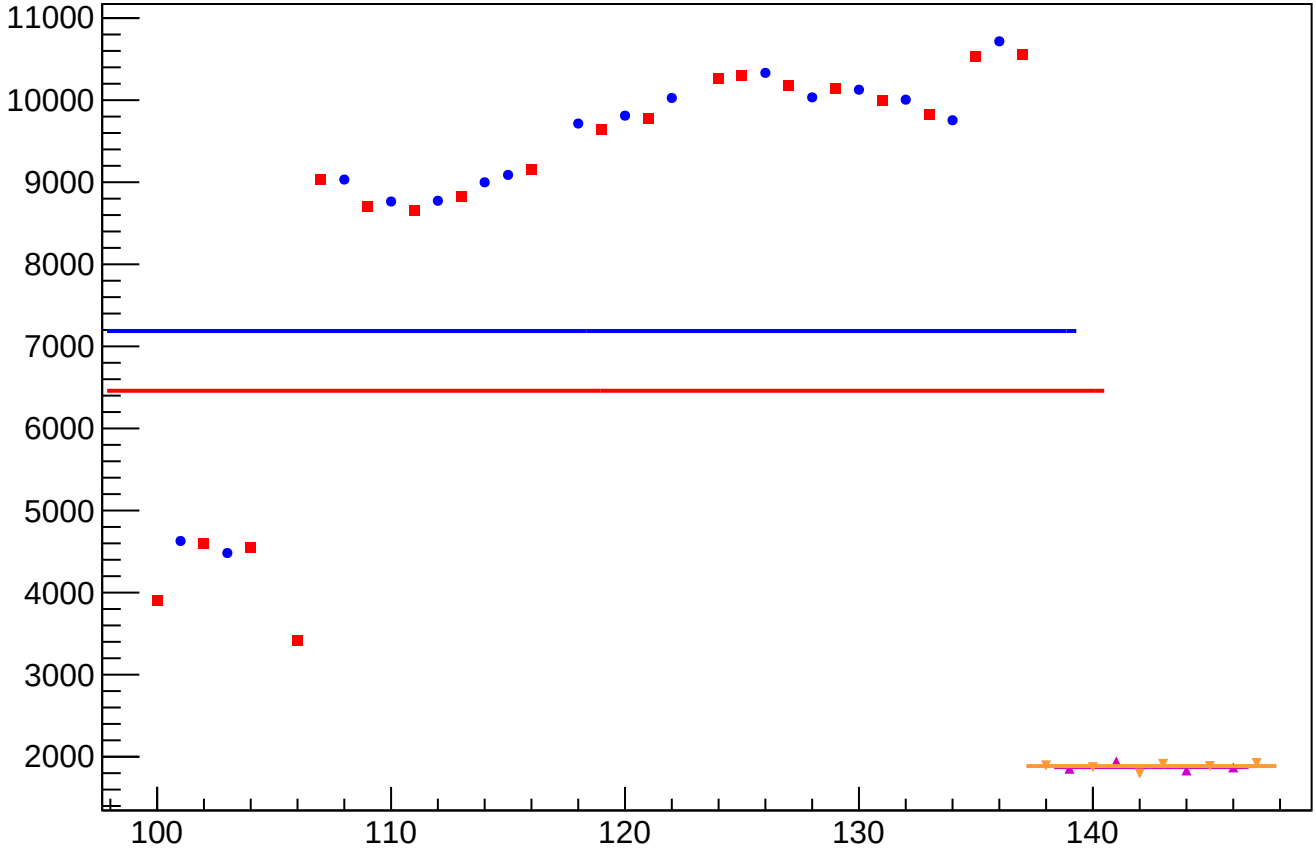
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 3.392+/-0.941 χ^2/NDF:391.5/19

Out: 6.518+/-0.839 χ^2/NDF:188.7/24

All: 5.135+/-0.626 χ^2/NDF: 586.3/44

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1886.229+/-0.628 χ^2/NDF:3364.1/5

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1873.788+/-0.705 χ^2/NDF:3348.3/3

Left: 1880.730+/-0.469 χ^2/NDF: 6886.0/9

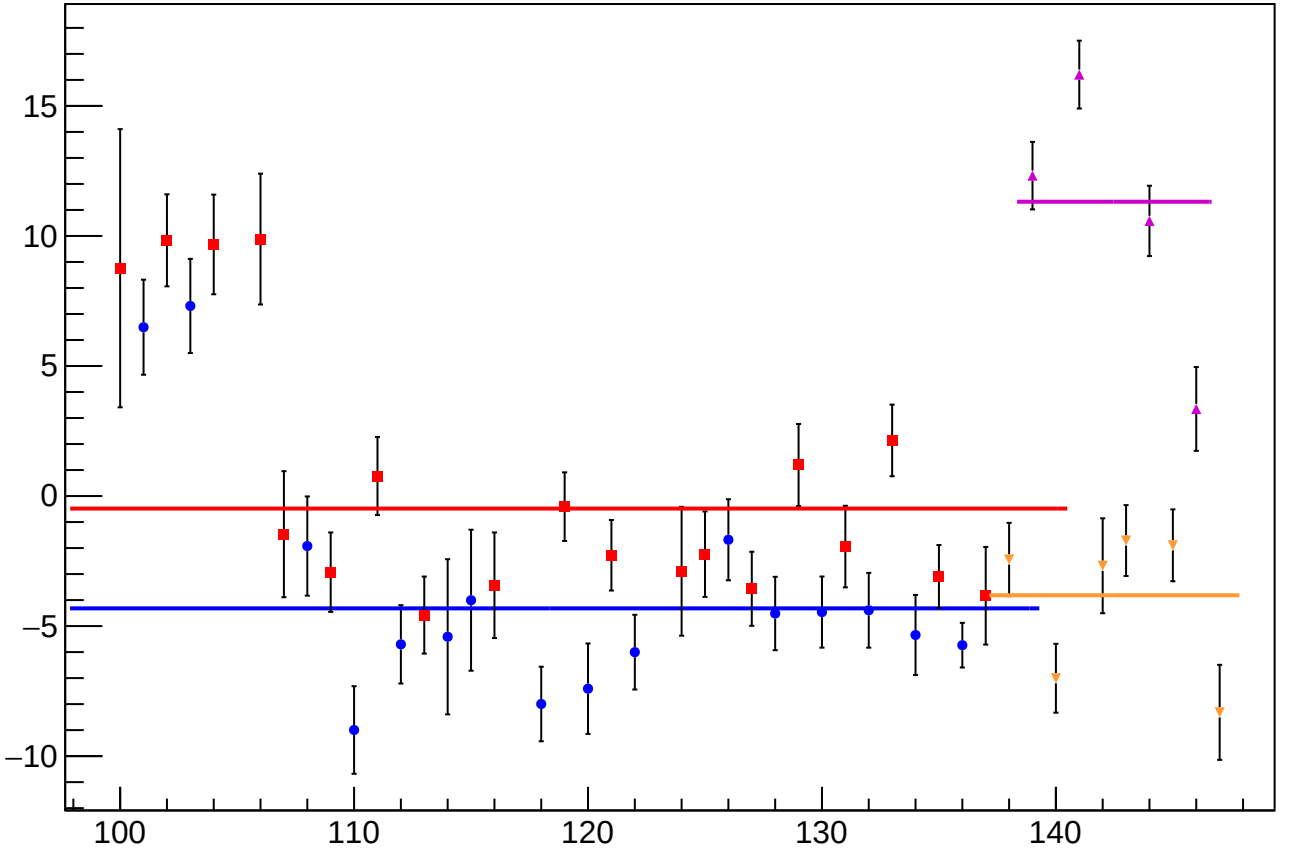
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2456.808+/-0.666 χ^2/NDF:7934634.2/19

Out: 2378.202+/-0.593 χ^2/NDF:7987215.3/24

All: 2412.992+/-0.443 χ^2/NDF: 15929623.6/4

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -3.815+/-0.605 χ^2/NDF:17.5/5

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 11.316+/-0.688 χ^2/NDF:39.4/3

Left: 2.777+/-0.454 χ^2/NDF: 329.9/9

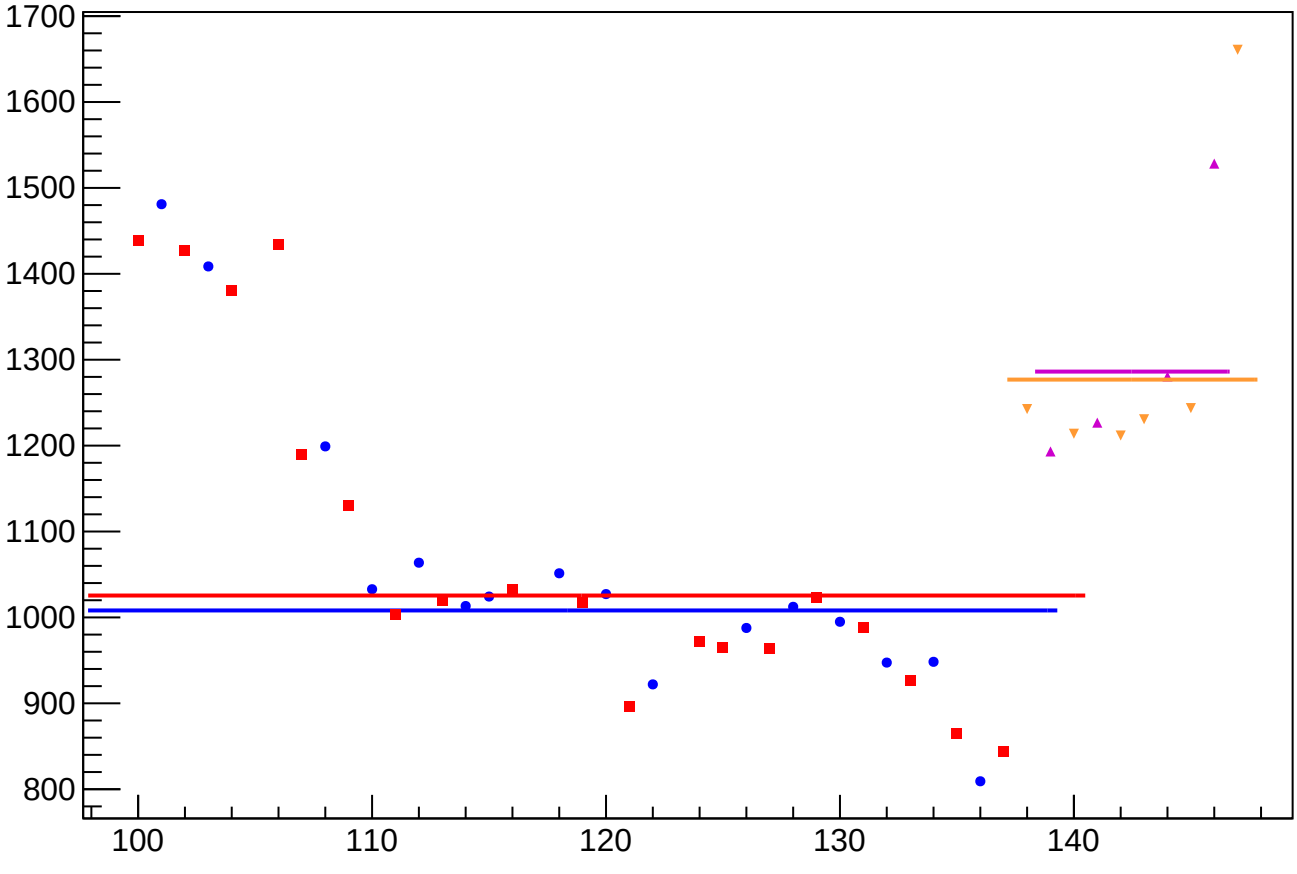
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: -0.668+/-0.332 χ^2/NDF:538.9/19

Out: -1.421+/-0.321 χ^2/NDF:156.6/24

All: -1.058+/-0.231 χ^2/NDF: 698.2/44

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1276.855+/-0.427 χ^2/NDF:100071.2/5

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1286.179+/-0.486 χ^2/NDF:59592.2/3

Left: 1280.918+/-0.321 χ^2/NDF: 159870.8/9

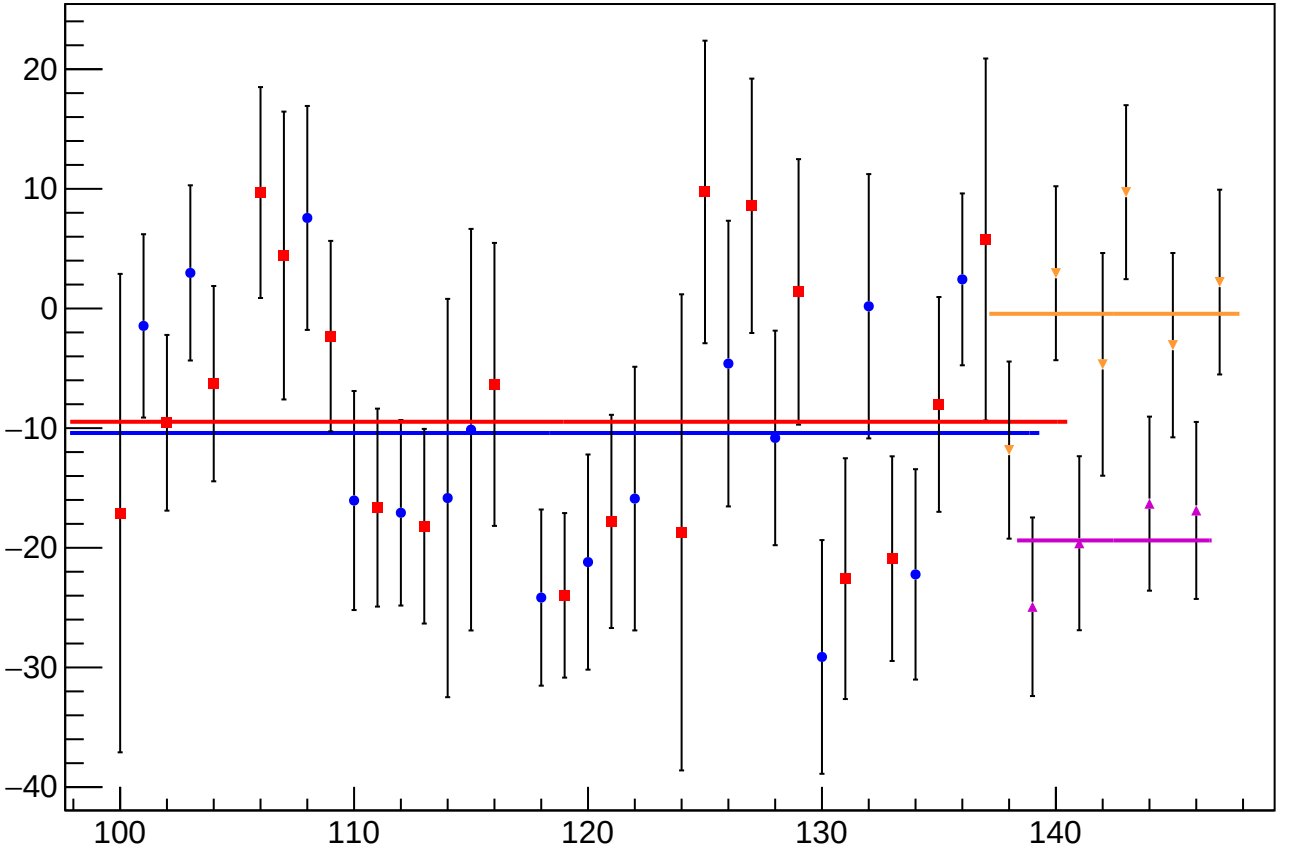
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1073.053+/-0.235 χ^2/NDF:688858.4/19

Out: 1096.321+/-0.227 χ^2/NDF:694430.5/24

All: 1085.098+/-0.163 χ^2/NDF: 1388360.5/44

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.442+/-3.143 χ^2/NDF:5.0/5

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -19.384+/-3.675 χ^2/NDF:0.8/3

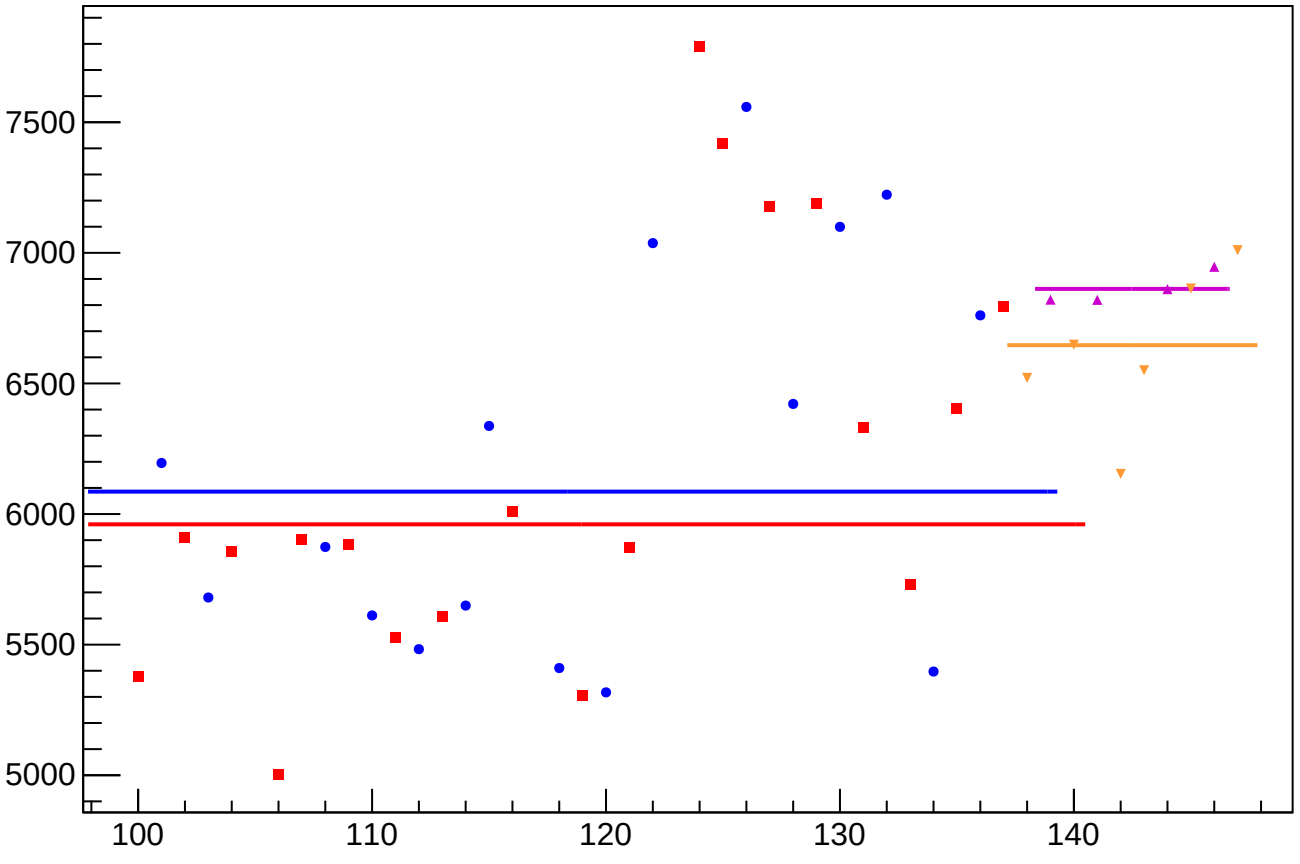
Left: -8.443+/-2.388 χ^2/NDF: 21.2/9

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.900+/-1.937 χ^2/NDF:29.8/19

Out: -6.515+/-1.797 χ^2/NDF:35.9/24

All: -9.468+/-1.318 χ^2/NDF: 71.5/44



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6646.503+/-2.222 χ^2/NDF:12556.1/5

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6862.020+/-2.599 χ^2/NDF:389.1/3

Left: 6737.536+/-1.689 χ^2/NDF: 16918.4/9

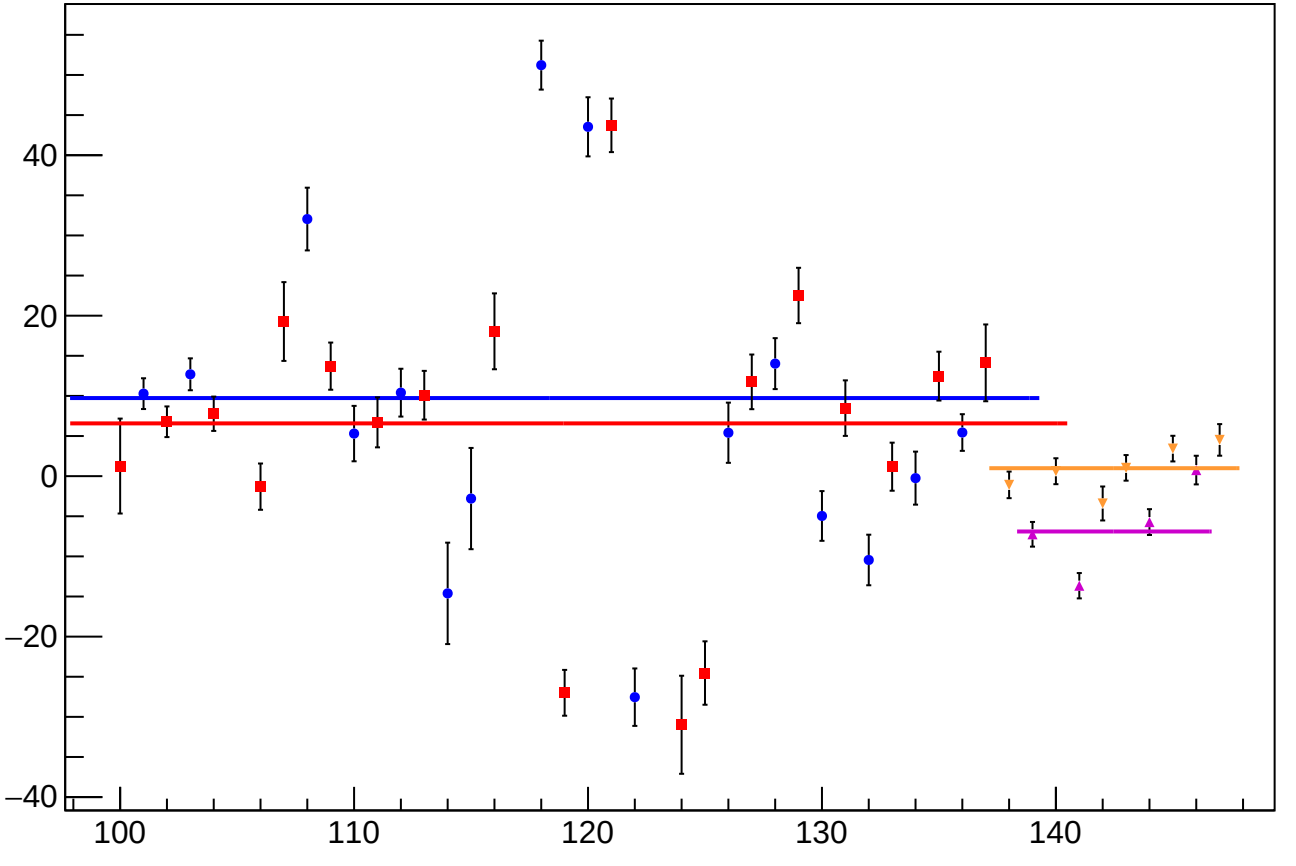
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6301.599+/-1.370 χ^2/NDF:243925.0/19

Out: 6184.947+/-1.271 χ^2/NDF:239439.8/24

All: 6238.901+/-0.932 χ^2/NDF: 487261.9/44

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 0.991+/-0.705 χ^2/NDF:11.5/5

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -6.897+/-0.810 χ^2/NDF:37.3/3

Left: -2.407+/-0.532 χ^2/NDF: 102.7/9

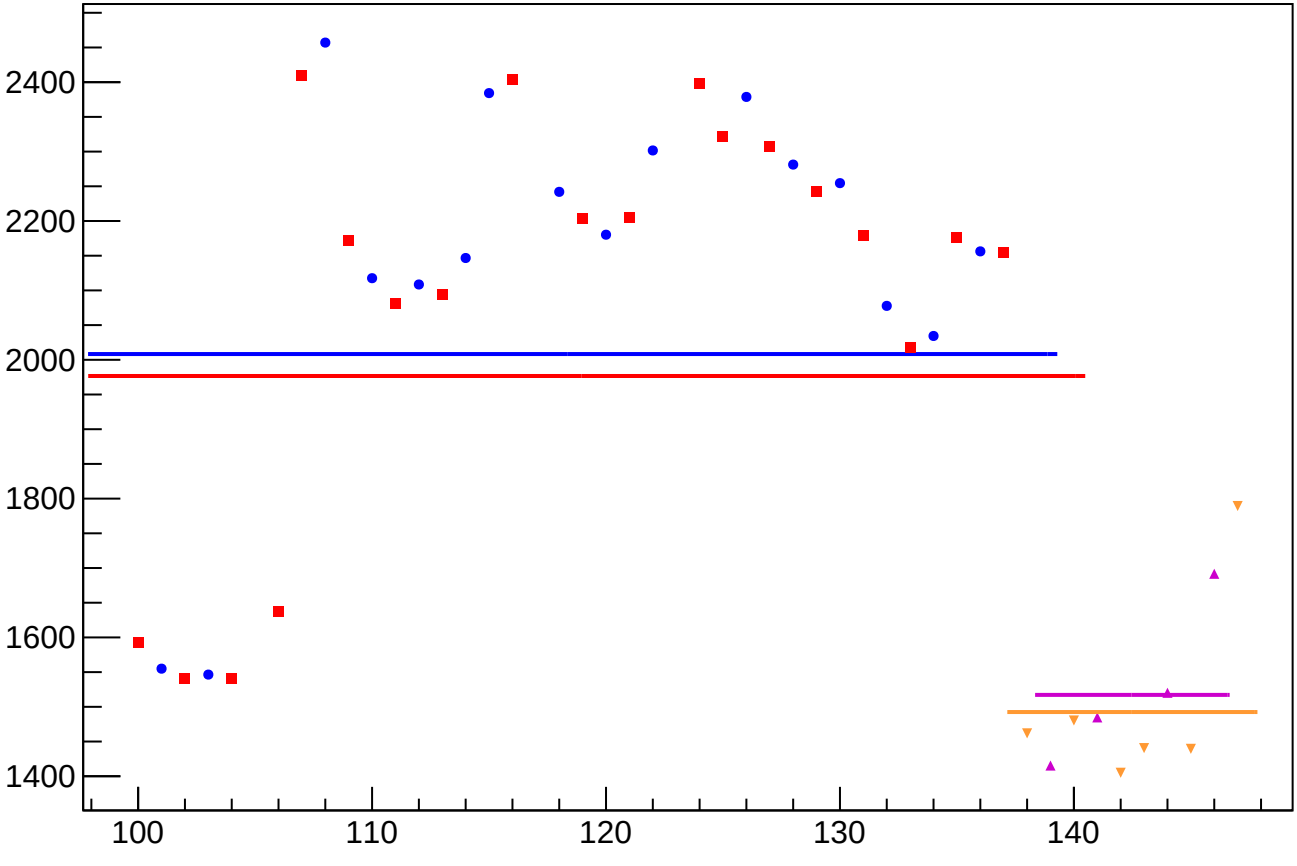
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: 2.005+/-0.552 χ^2/NDF:775.2/19

Out: 3.685+/-0.507 χ^2/NDF:465.5/24

All: 2.916+/-0.374 χ^2/NDF: 1245.7/44

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1492.501+/-0.498 χ^2/NDF:53986.6/5

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1517.196+/-0.573 χ^2/NDF:28719.1/3

Left: 1503.140+/-0.376 χ^2/NDF: 83763.2/9

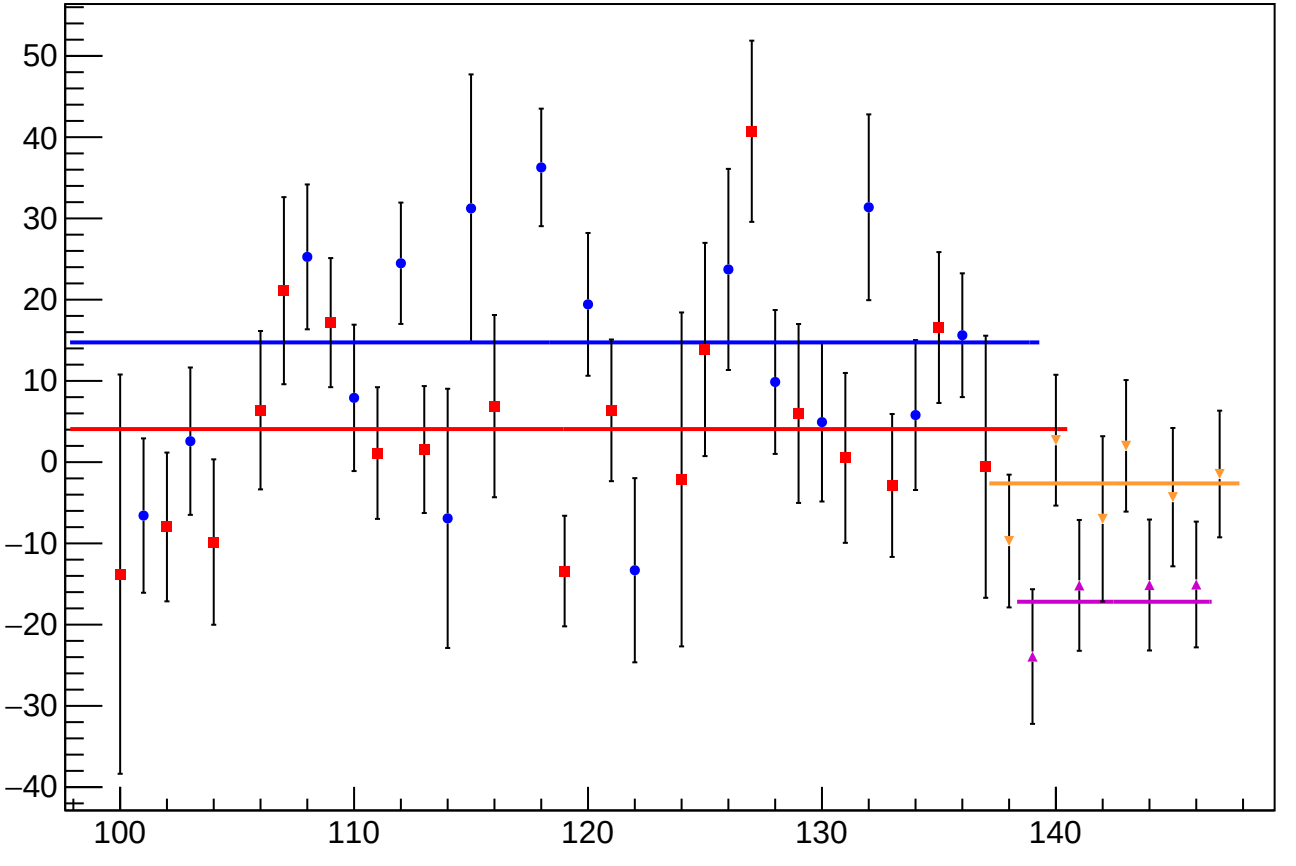
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1780.075+/-0.391 χ^2/NDF:766428.9/19

Out: 1726.019+/-0.359 χ^2/NDF:874430.1/24

All: 1750.749+/-0.264 χ^2/NDF: 1651251.8/44

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -2.617+/-3.418 χ^2/NDF:1.8/5

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -17.182+/-4.013 χ^2/NDF:0.9/3

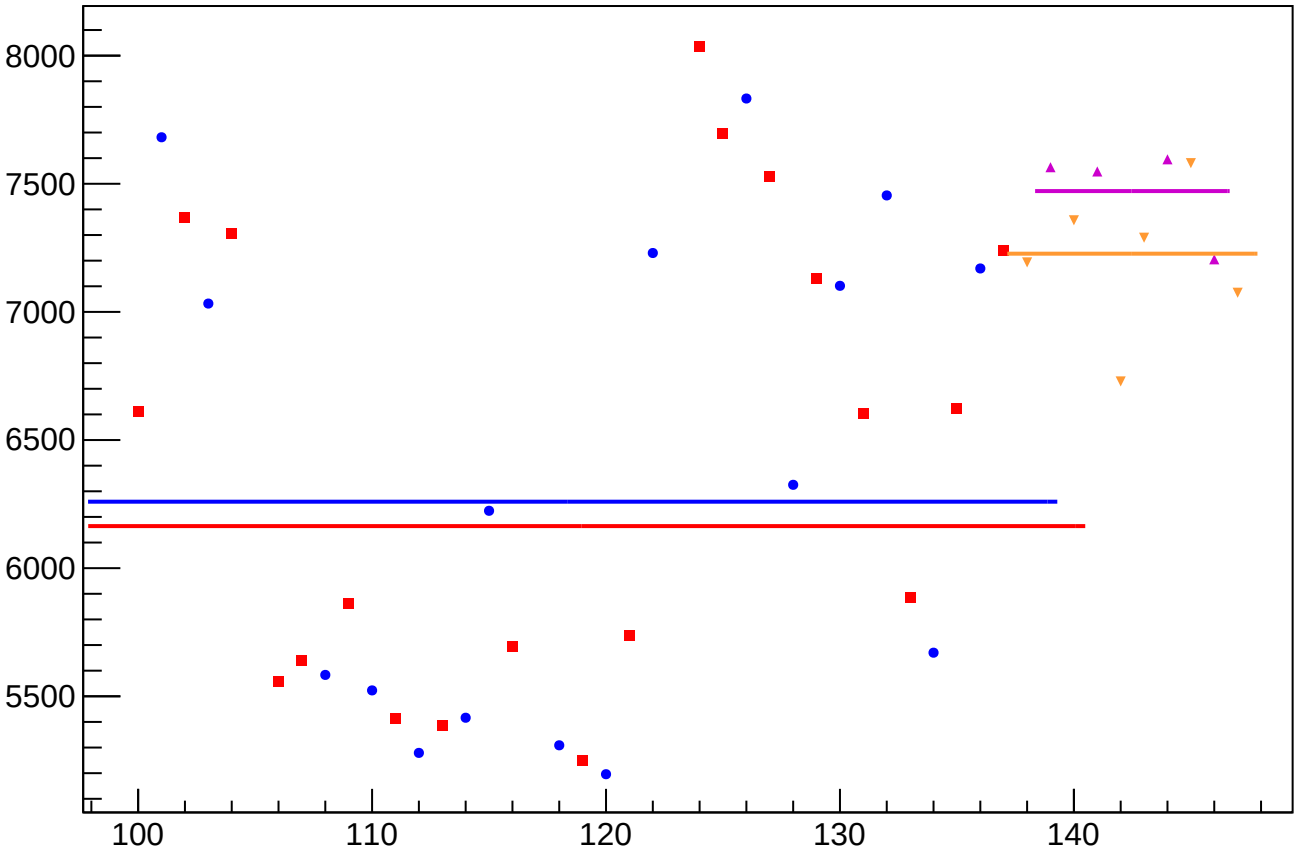
Left: -8.741+/-2.602 χ^2/NDF: 10.3/9

Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 6.550+/-2.033 χ^2/NDF:81.4/19

Out: 2.020+/-1.893 χ^2/NDF:34.6/24

All: 4.124+/-1.385 χ^2/NDF: 118.7/44



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 7227.223+/-2.417 χ^2/NDF:9683.9/5

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 7471.515+/-2.838 χ^2/NDF:3275.3/3

Left: 7329.940+/-1.840 χ^2/NDF: 17253.7/9

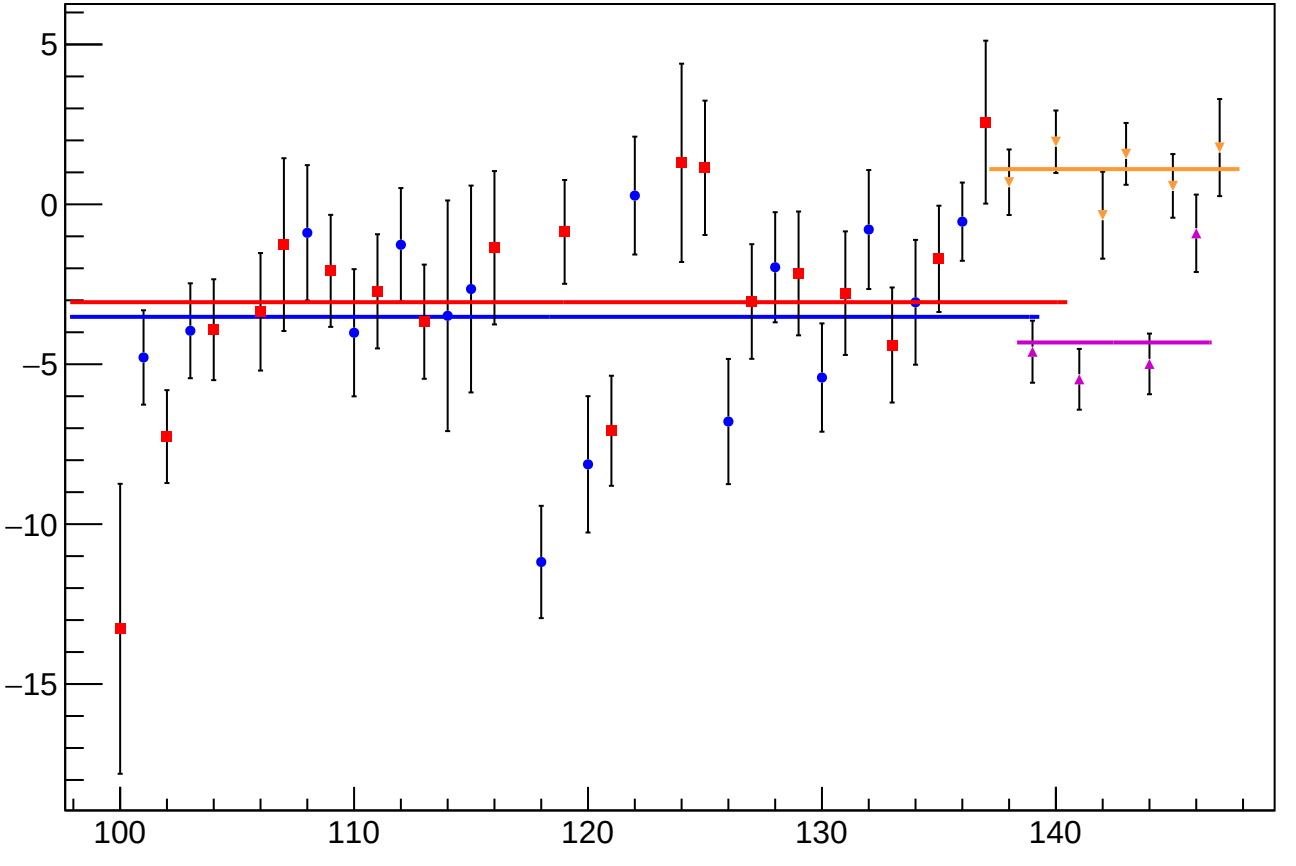
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6570.390+/-1.437 χ^2/NDF:447507.8/19

Out: 6490.204+/-1.339 χ^2/NDF:408838.0/24

All: 6527.449+/-0.980 χ^2/NDF: 858012.3/44

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.102+/-0.445 χ^2/NDF:2.8/5

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -4.319+/-0.502 χ^2/NDF:10.0/3

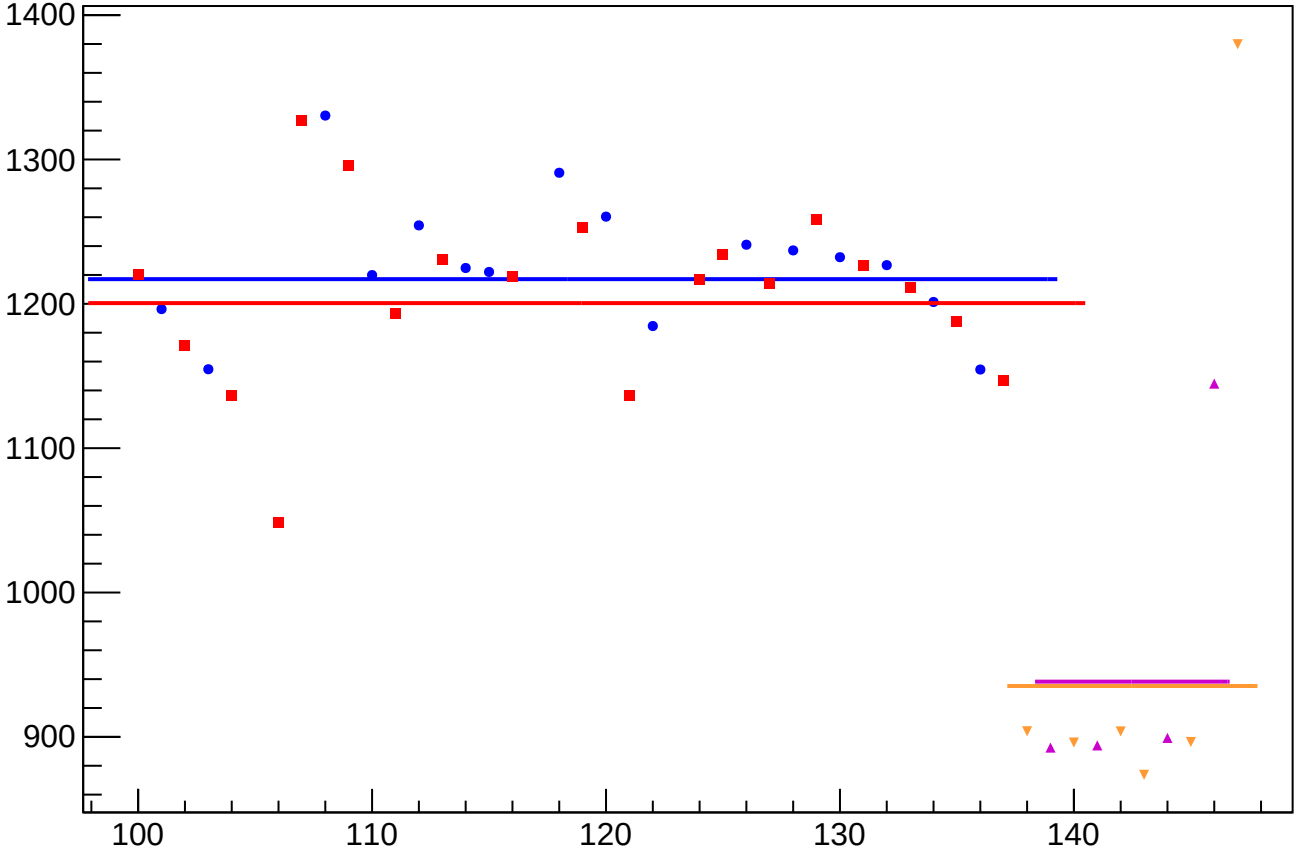
Left: -1.281+/-0.333 χ^2/NDF: 78.1/9

Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.877+/-0.336 χ^2/NDF:56.5/19

Out: -1.009+/-0.312 χ^2/NDF:82.0/24

All: -2.337+/-0.229 χ^2/NDF: 177.5/44



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 935.257+/-0.315 χ^2/NDF:188881.7/5

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 938.267+/-0.355 χ^2/NDF:70278.8/3

Left: 936.580+/-0.235 χ^2/NDF: 259200.7/9

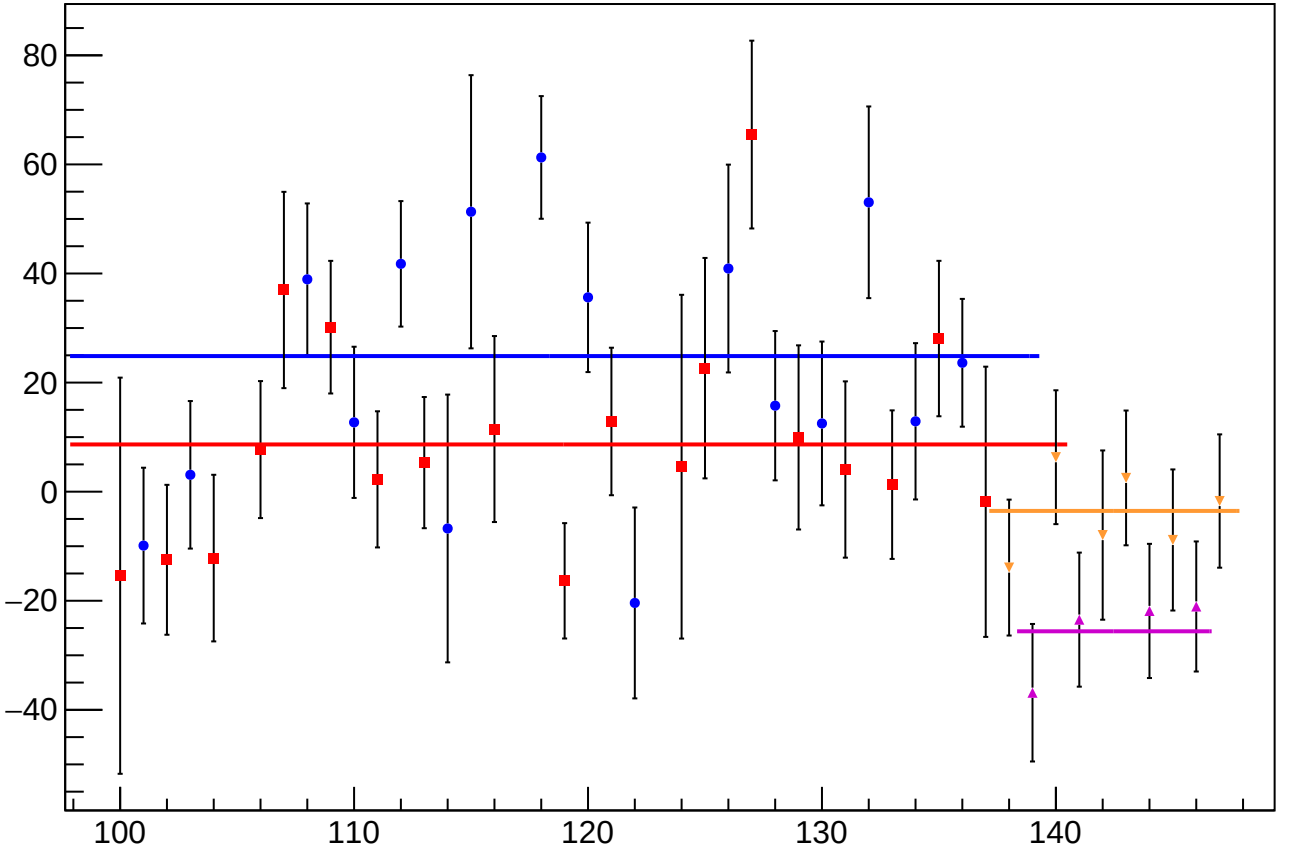
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1092.197+/-0.238 χ^2/NDF:432257.0/19

Out: 1069.822+/-0.221 χ^2/NDF:587307.7/24

All: 1080.185+/-0.162 χ^2/NDF: 1024322.0/44

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -3.528+/-5.237 χ^2/NDF:1.9/5

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -25.600+/-6.137 χ^2/NDF:1.1/3

Left: -12.829+/-3.984 χ^2/NDF: 10.4/9

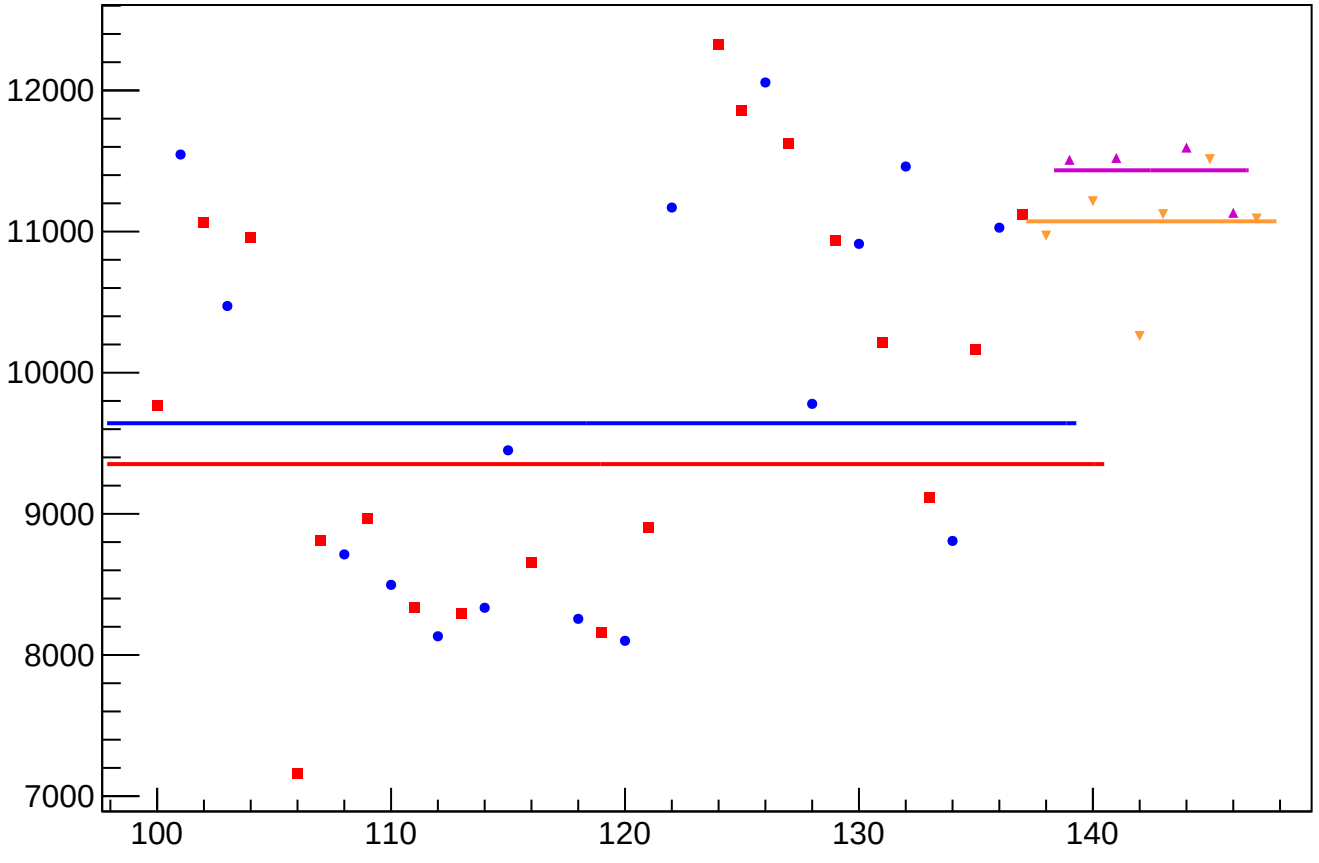
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 11.792+/-3.123 χ^2/NDF:89.3/19

Out: 4.965+/-2.883 χ^2/NDF:35.8/24

All: 8.106+/-2.118 χ^2/NDF: 127.6/44

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 11072.673+/-3.703 χ^2/NDF:8238.6/5

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 11434.069+/-4.339 χ^2/NDF:1791.3/3

Left: 11224.960+/-2.817 χ^2/NDF: 14043.4/9

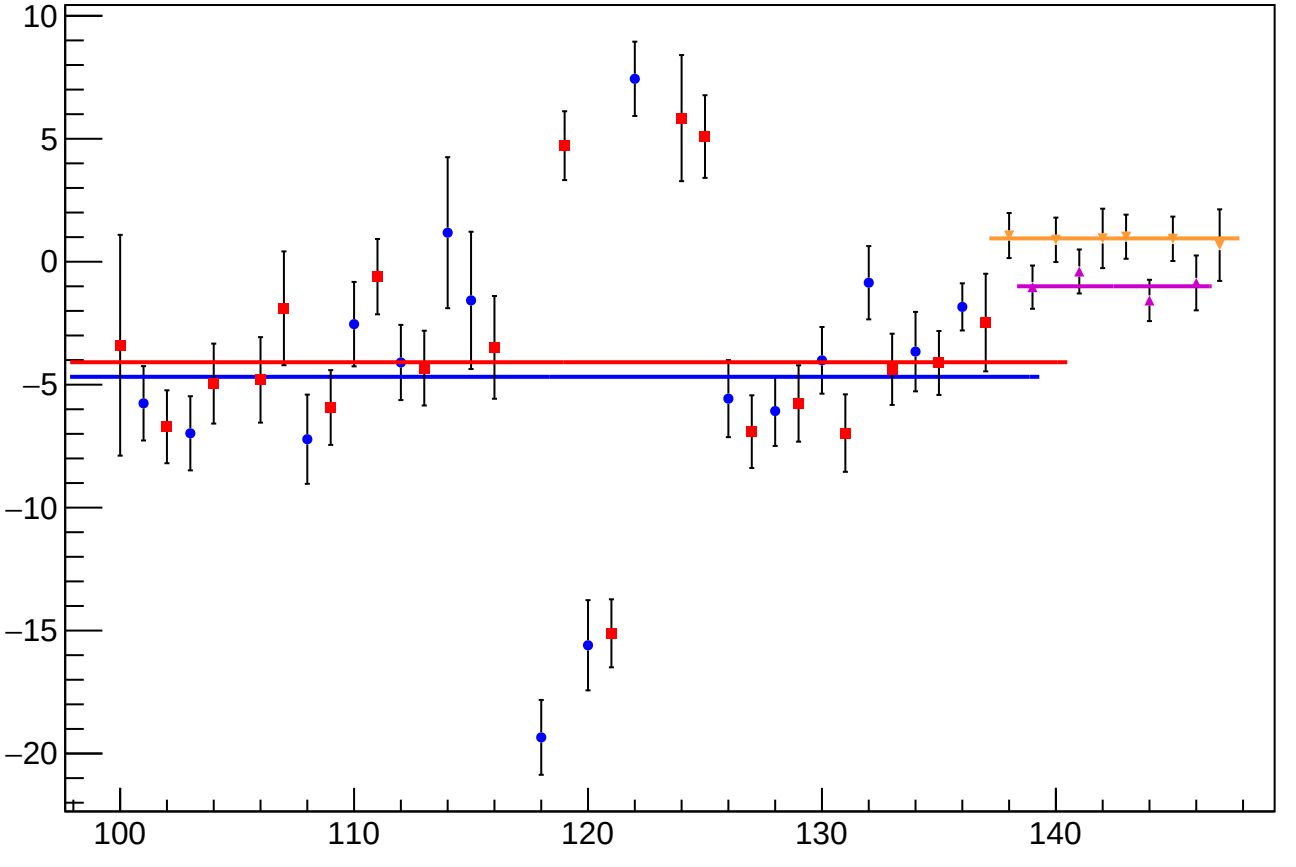
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10106.177+/-2.208 χ^2/NDF:407822.1/19

Out: 9873.876+/-2.039 χ^2/NDF:460394.8/24

All: 9980.765+/-1.498 χ^2/NDF: 874190.9/44

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.949+/-0.407 χ^2/NDF:0.1/5

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.999+/-0.458 χ^2/NDF:0.9/3

Left: 0.090+/-0.304 χ^2/NDF: 11.1/9

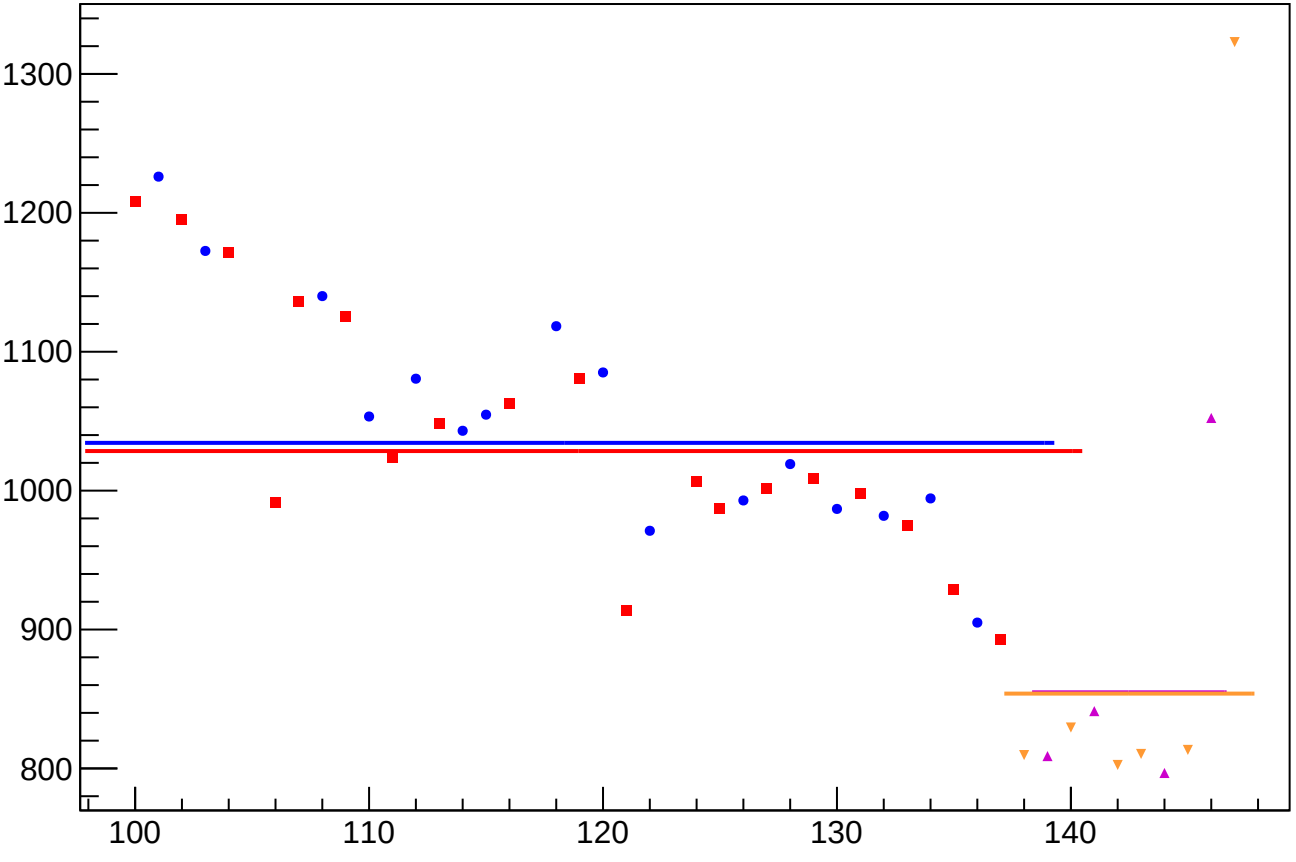
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.153+/-0.295 χ^2/NDF:259.9/19

Out: -1.765+/-0.276 χ^2/NDF:250.7/24

All: -2.413+/-0.202 χ^2/NDF: 522.4/44

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 853.876+/-0.288 χ^2/NDF:226216.2/5

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 854.809+/-0.324 χ^2/NDF:78162.8/3

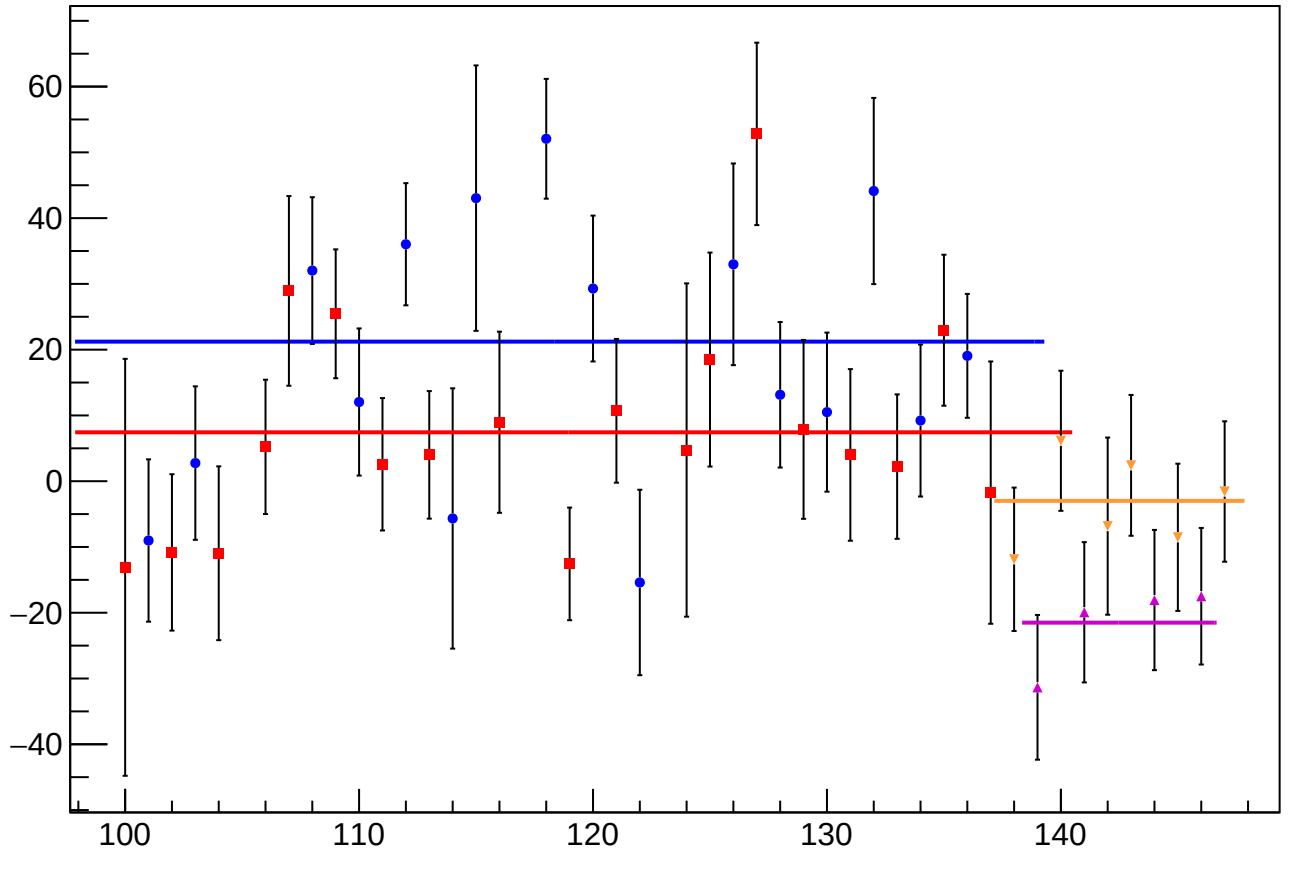
Left: 854.287+/-0.215 χ^2/NDF: 304383.7/9

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 959.884+/-0.209 χ^2/NDF:371287.2/19

Out: 947.970+/-0.195 χ^2/NDF:526371.5/24

All: 953.536+/-0.143 χ^2/NDF: 899396.0/44



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -2.990+/-4.553 χ^2/NDF:2.0/5

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -21.503+/-5.336 χ^2/NDF:1.1/3

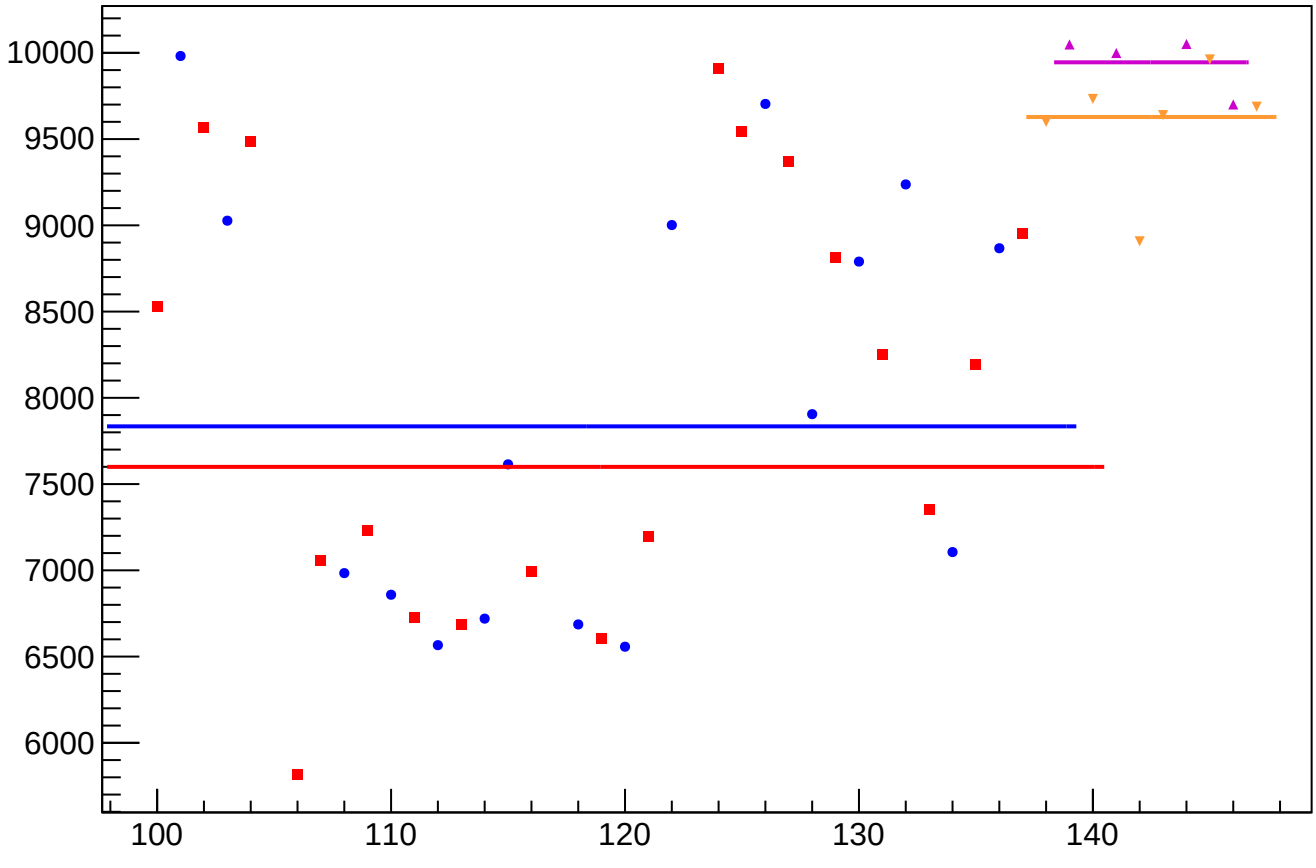
Left: -10.791+/-3.464 χ^2/NDF: 10.0/9

Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 11.211+/-2.583 χ^2/NDF:90.2/19

Out: 4.560+/-2.391 χ^2/NDF:35.6/24

All: 7.630+/-1.755 χ^2/NDF: 129.4/44



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9627.983+/-3.220 χ^2/NDF:7777.3/5

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 9945.080+/-3.773 χ^2/NDF:1533.7/3

Left: 9761.595+/-2.449 χ^2/NDF: 13397.8/9

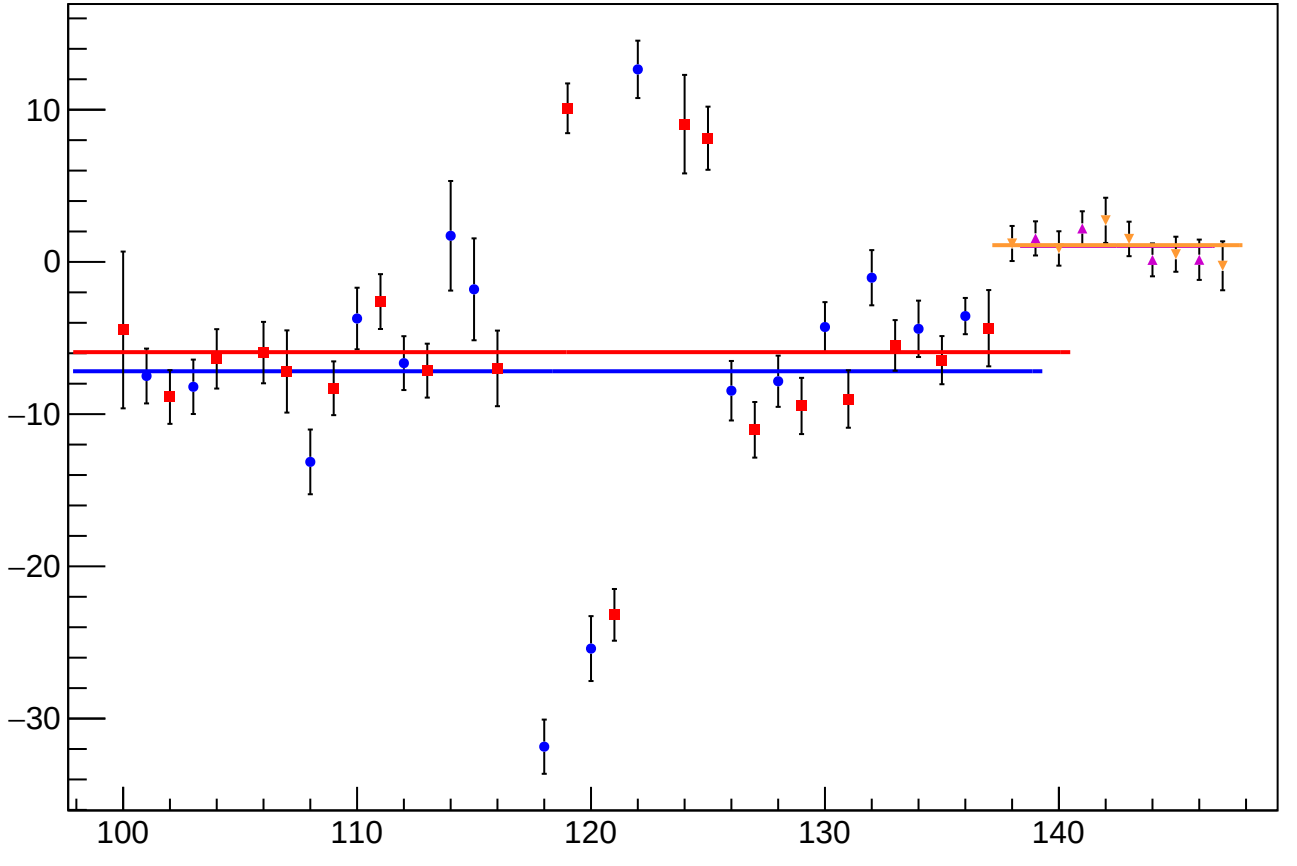
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8329.120+/-1.826 χ^2/NDF:559176.5/19

Out: 8159.220+/-1.691 χ^2/NDF:639429.5/24

All: 8237.641+/-1.241 χ^2/NDF: 1203265.3/44

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.101+/-0.506 χ^2/NDF:2.4/5

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.050+/-0.577 χ^2/NDF:2.4/3

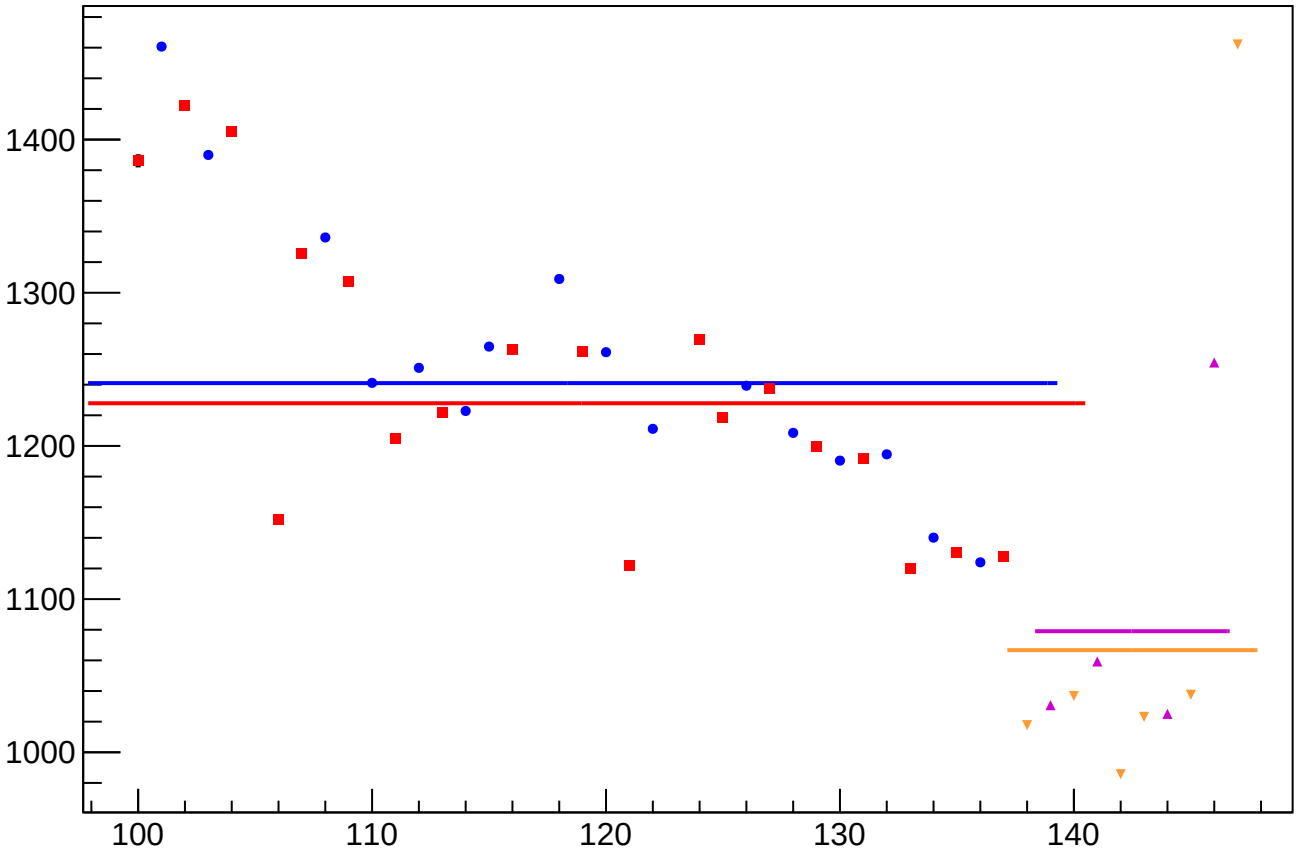
Left: 1.079+/-0.380 χ^2/NDF: 4.8/9

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -3.960+/-0.361 χ^2/NDF:548.8/19

Out: -2.829+/-0.336 χ^2/NDF:400.7/24

All: -3.354+/-0.246 χ^2/NDF: 954.7/44



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1066.674+/-0.358 χ^2/NDF:136145.6/5

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1079.045+/-0.408 χ^2/NDF:44417.1/3

Left: 1072.054+/-0.269 χ^2/NDF: 181083.0/9

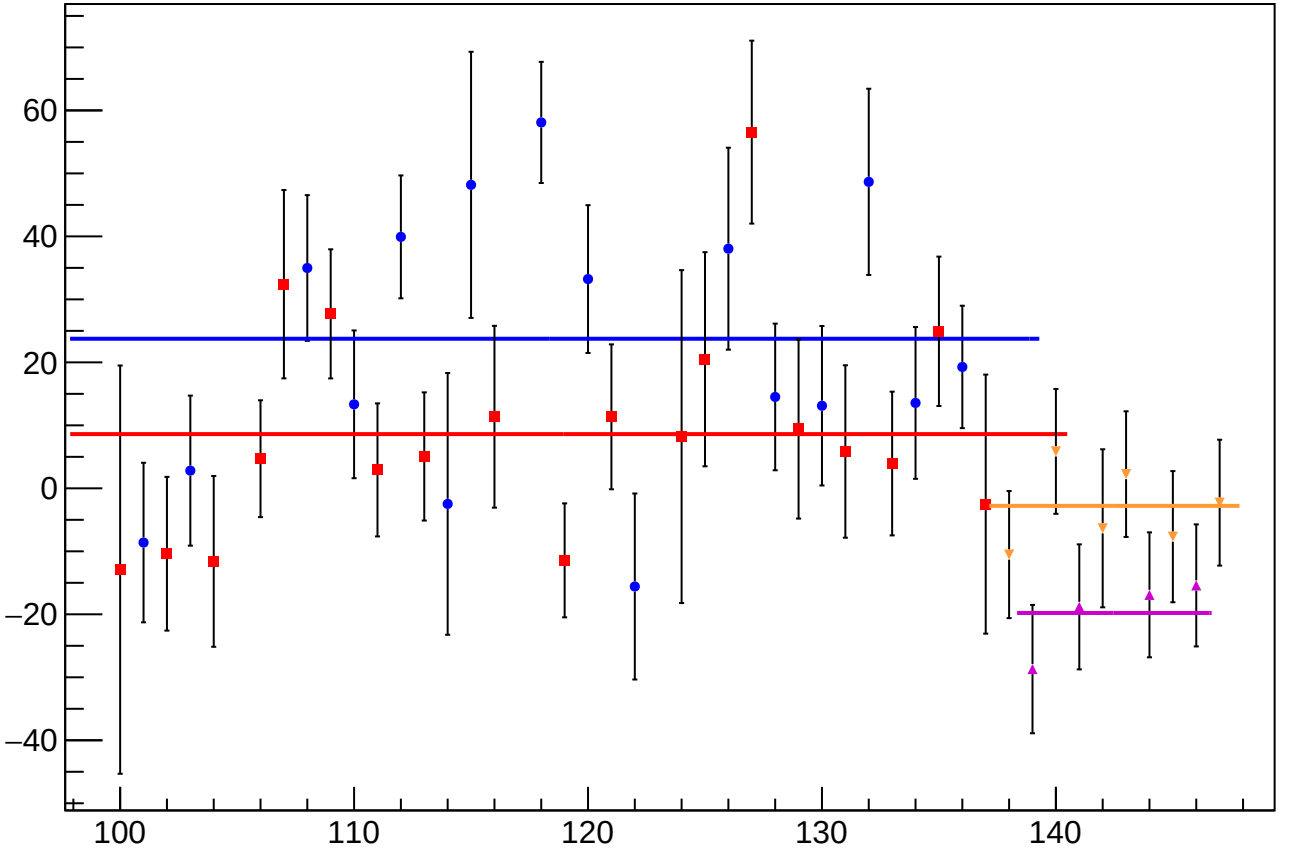
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1177.618+/-0.255 χ^2/NDF:221132.4/19

Out: 1156.792+/-0.237 χ^2/NDF:332054.8/24

All: 1166.463+/-0.174 χ^2/NDF: 556758.6/44

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -2.782+/-4.239 χ^2/NDF:1.9/5

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -19.789+/-4.963 χ^2/NDF:1.1/3

Left: -9.955+/-3.223 χ^2/NDF: 9.8/9

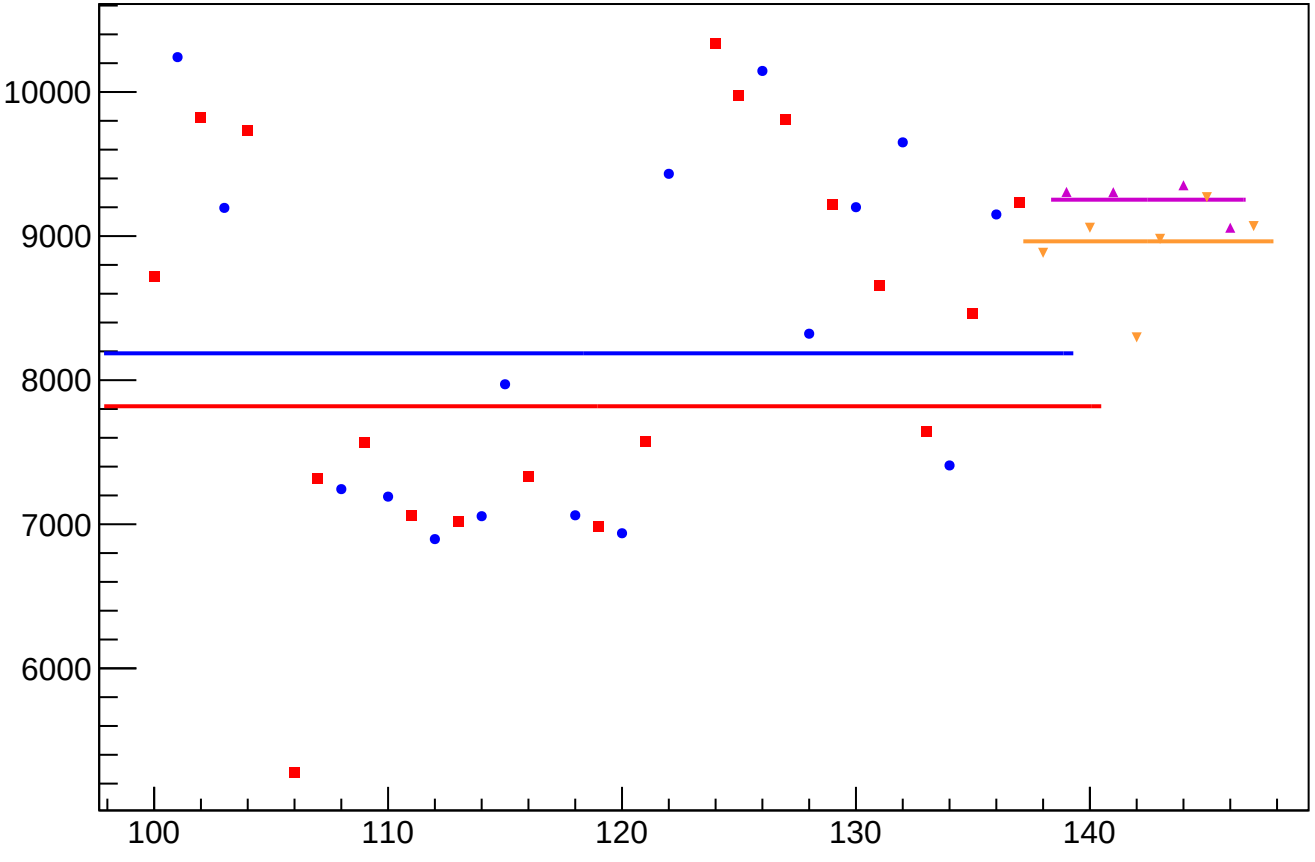
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 11.637+/-2.618 χ^2/NDF:100.0/19

Out: 4.979+/-2.393 χ^2/NDF:37.3/24

All: 8.009+/-1.766 χ^2/NDF: 140.8/44

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8963.572+/-2.997 χ^2/NDF:7914.7/5

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 9252.571+/-3.510 χ^2/NDF:1120.4/3

Left: 9085.459+/-2.279 χ^2/NDF: 12956.0/9

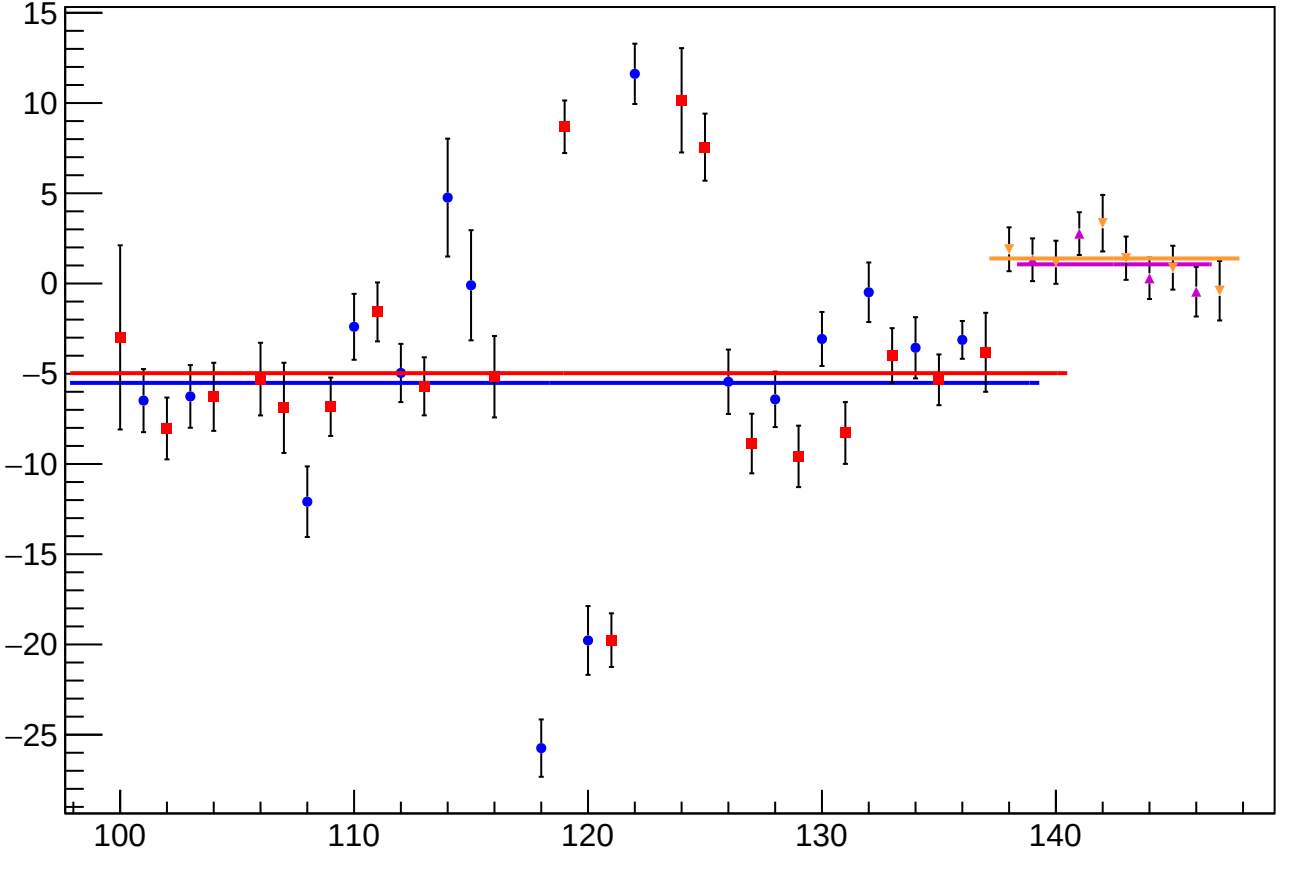
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8482.989+/-1.851 χ^2/NDF:358366.5/19

Out: 8183.730+/-1.692 χ^2/NDF:530270.6/24

All: 8319.948+/-1.249 χ^2/NDF: 902875.5/44

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.387+/-0.532 χ^2/NDF:3.1/5

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.063+/-0.607 χ^2/NDF:3.8/3

Left: 1.246+/-0.400 χ^2/NDF: 7.0/9

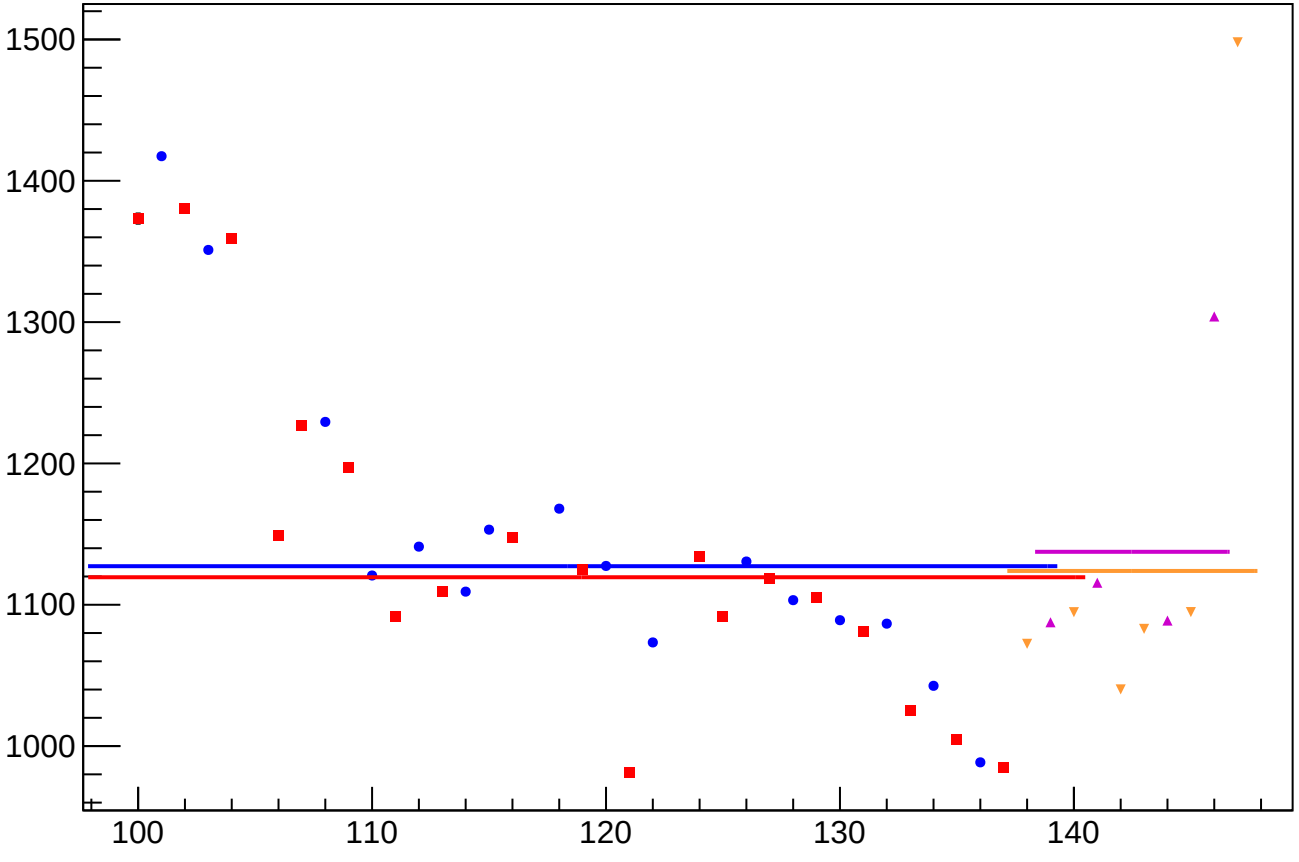
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -3.375+/-0.346 χ^2/NDF:452.6/19

Out: -2.599+/-0.325 χ^2/NDF:379.8/24

All: -2.963+/-0.237 χ^2/NDF: 835.1/44

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1123.925+/-0.376 χ^2/NDF:117116.0/5

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1137.472+/-0.429 χ^2/NDF:37131.7/3

Left: 1129.811+/-0.283 χ^2/NDF: 154810.4/9

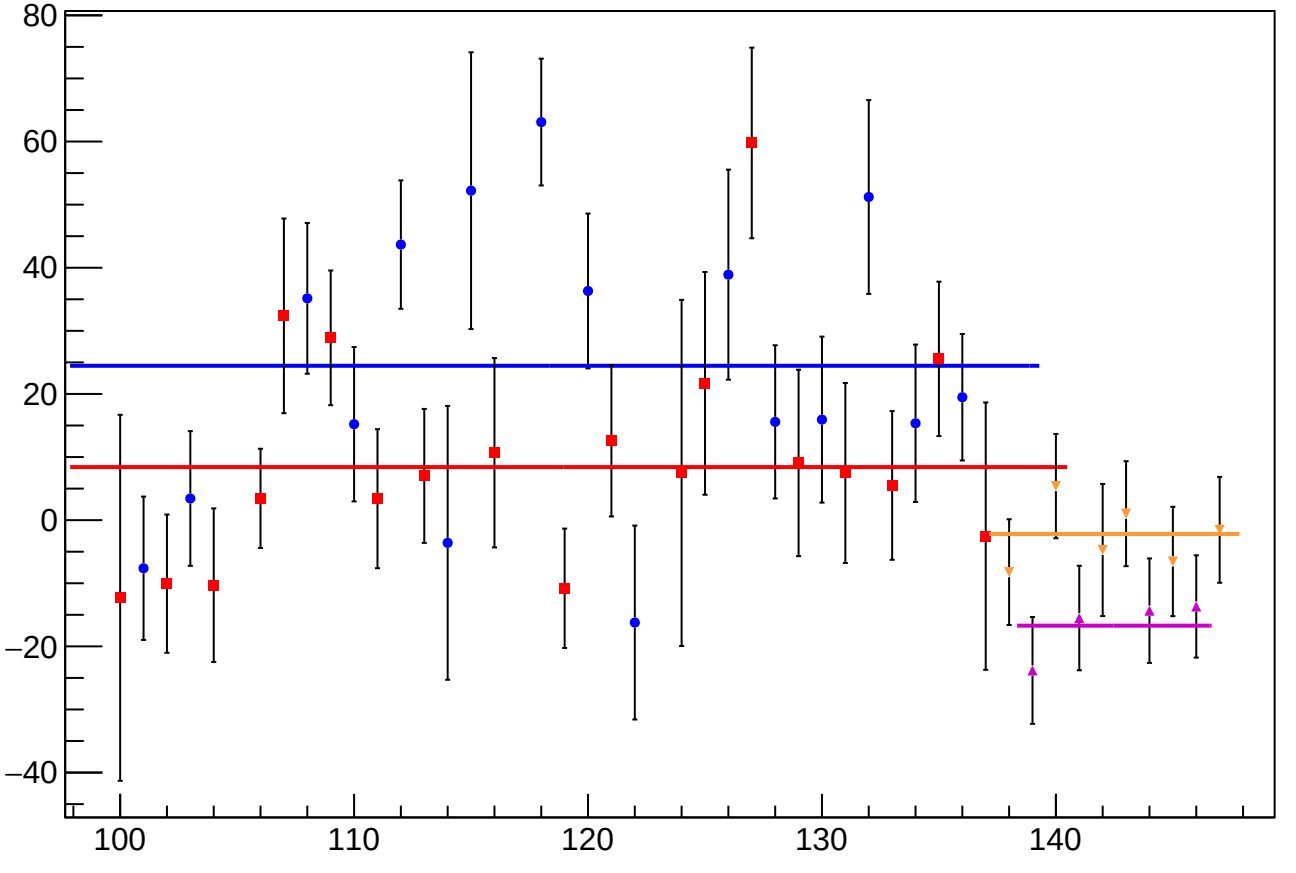
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1130.593+/-0.245 χ^2/NDF:178127.2/19

Out: 1121.132+/-0.230 χ^2/NDF:257939.8/24

All: 1125.568+/-0.167 χ^2/NDF: 436861.6/44

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -2.194+/-3.536 χ^2/NDF:1.8/5

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -16.723+/-4.139 χ^2/NDF:0.9/3

Left: -8.323+/-2.689 χ^2/NDF: 9.9/9

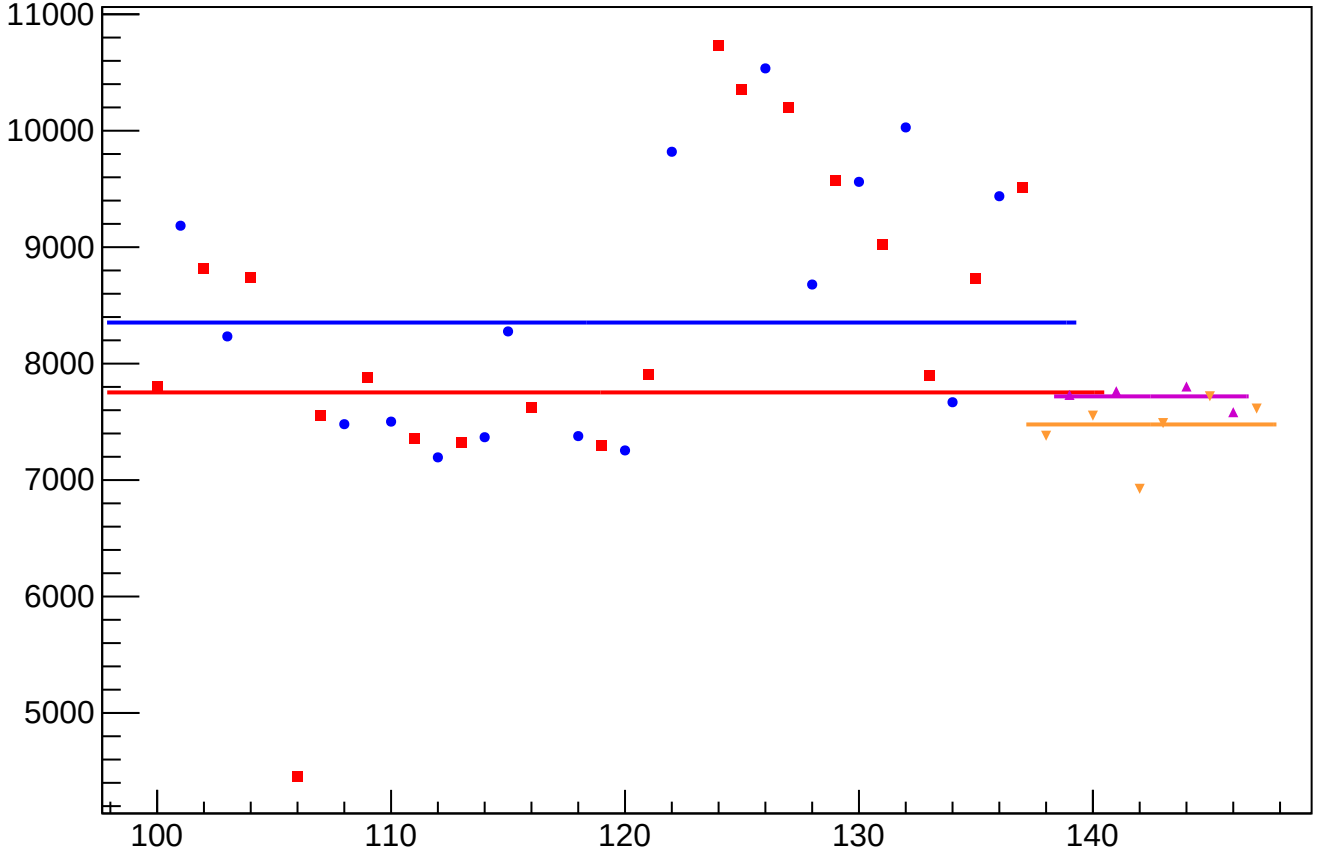
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 9.444+/-2.500 χ^2/NDF:112.2/19

Out: 4.163+/-2.238 χ^2/NDF:38.4/24

All: 6.513+/-1.667 χ^2/NDF: 153.0/44

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7477.665+/-2.500 χ^2/NDF:8098.2/5

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7718.693+/-2.927 χ^2/NDF:833.2/3

Left: 7579.341+/-1.901 χ^2/NDF: 12851.8/9

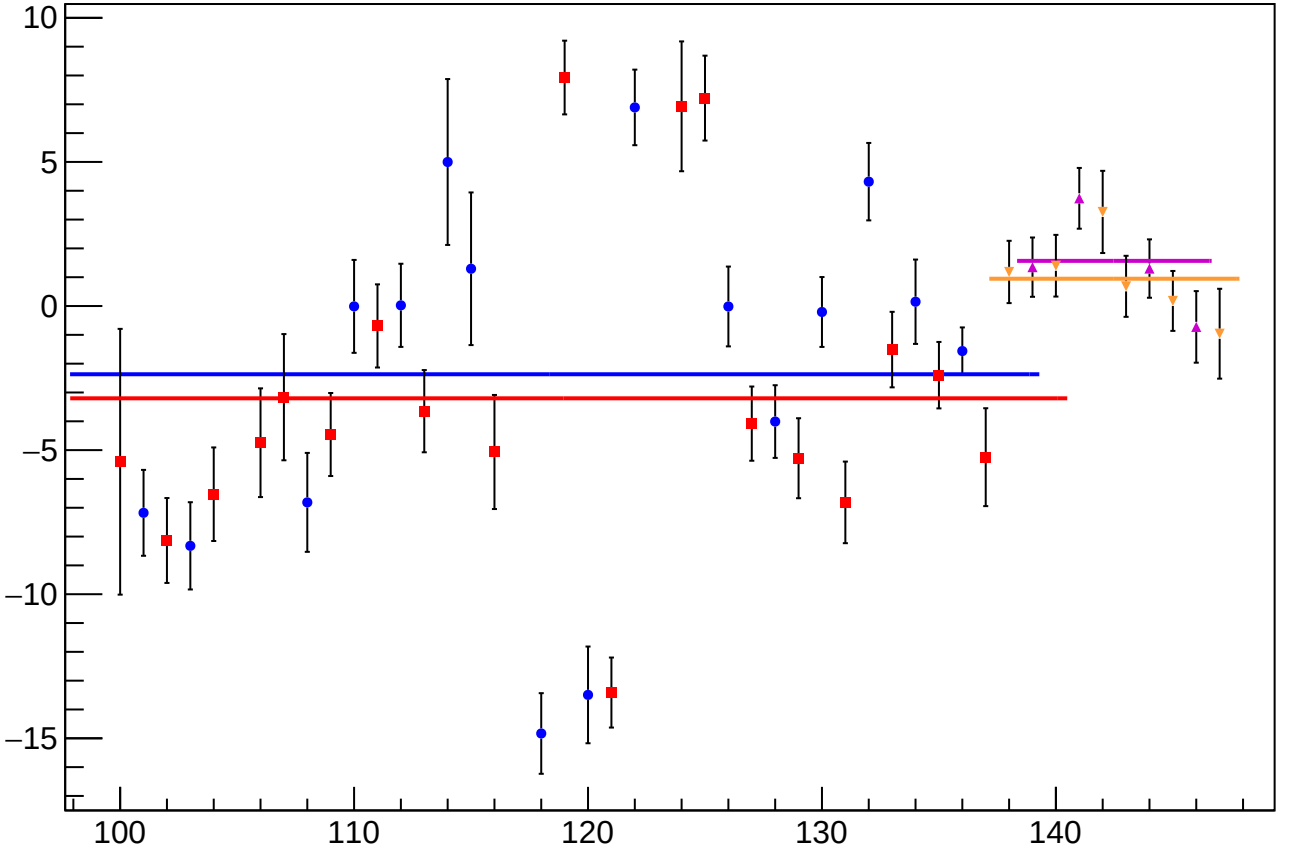
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 8121.534+/-1.768 χ^2/NDF:251058.7/19

Out: 7642.491+/-1.583 χ^2/NDF:603421.4/24

All: 7855.638+/-1.179 χ^2/NDF: 895248.6/44

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.948+/-0.474 χ^2/NDF:5.0/5

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.567+/-0.537 χ^2/NDF:7.8/3

Left: 1.219+/-0.355 χ^2/NDF: 13.5/9

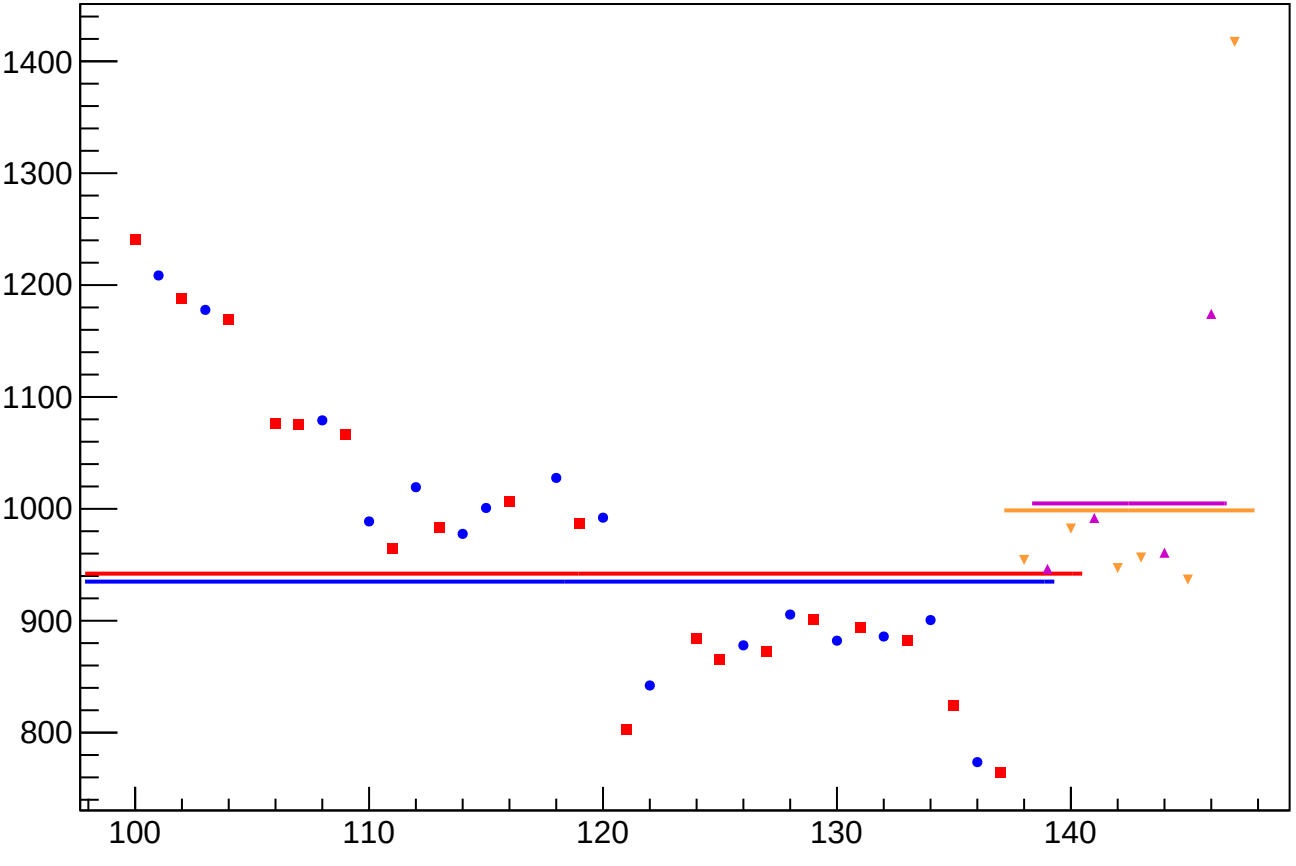
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -1.192+/-0.293 χ^2/NDF:301.0/19

Out: -1.758+/-0.280 χ^2/NDF:305.5/24

All: -1.489+/-0.202 χ^2/NDF: 608.4/44

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 998.622+/-0.335 χ^2/NDF:160909.4/5

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1004.849+/-0.380 χ^2/NDF:47761.4/3

Left: 1001.349+/-0.251 χ^2/NDF: 208821.9/9

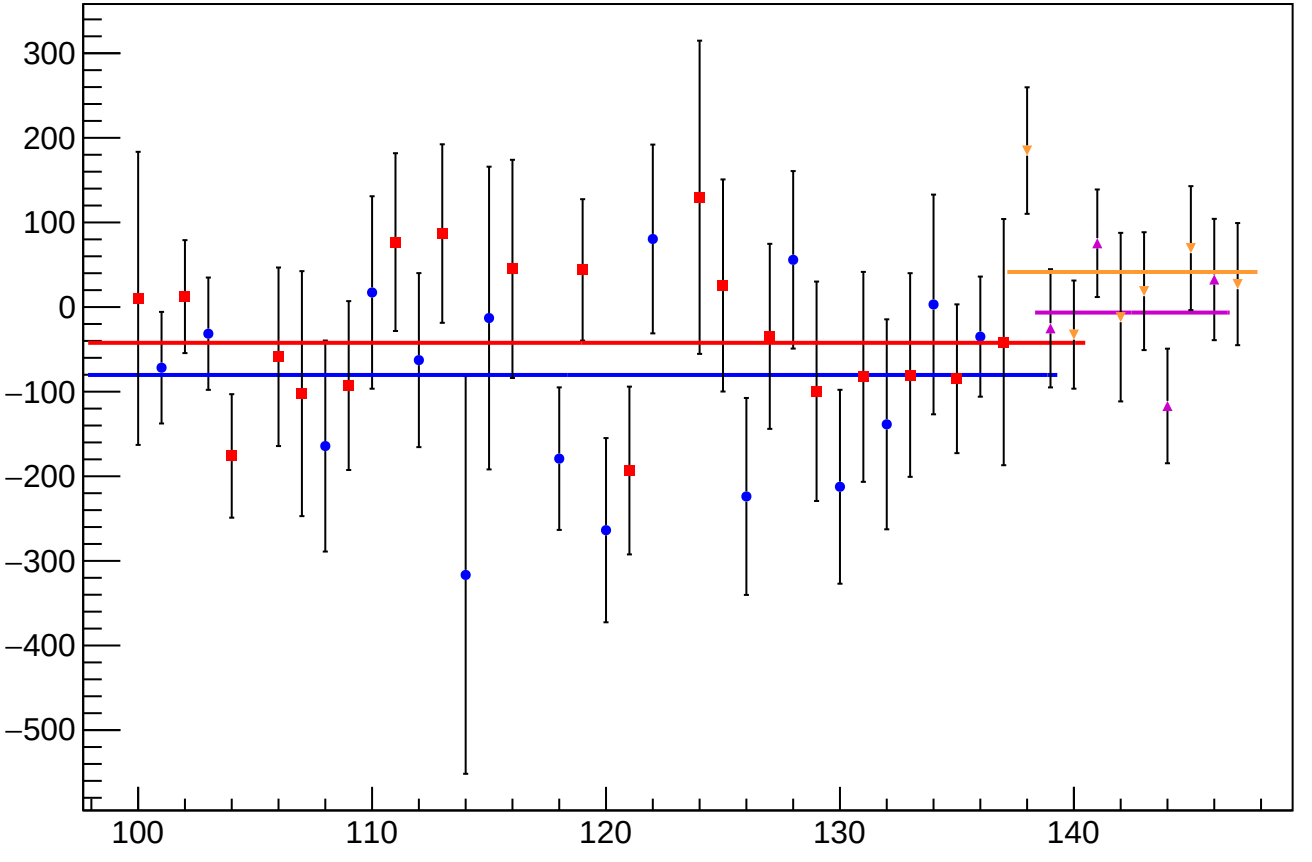
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 955.842+/-0.208 χ^2/NDF:325868.9/19

Out: 961.768+/-0.198 χ^2/NDF:411900.9/24

All: 958.948+/-0.143 χ^2/NDF: 738197.1/44

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 41.459+/-30.028 χ^2/NDF:5.6/5

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -6.512+/-34.003 χ^2/NDF:4.7/3

Left: 20.441+/-22.508 χ^2/NDF: 11.4/9

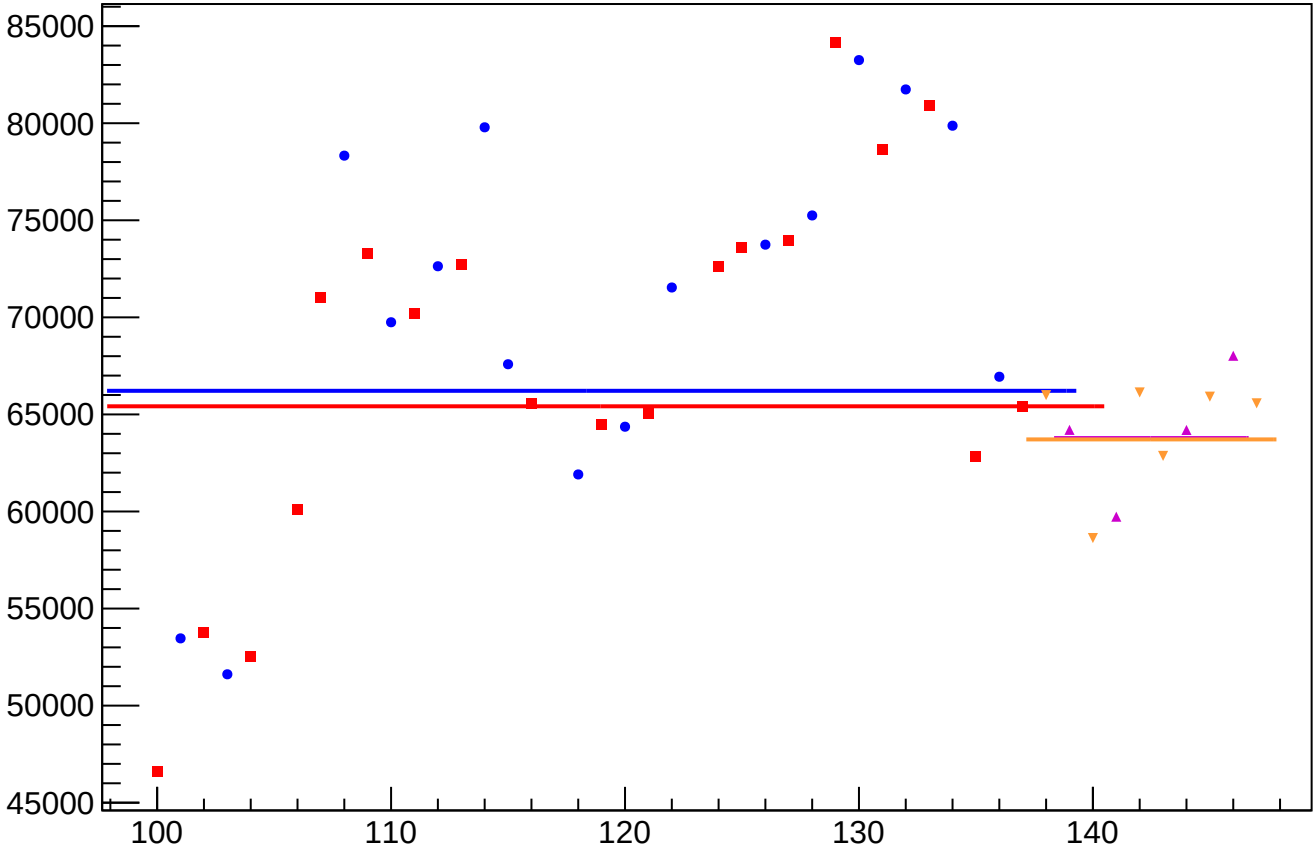
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -54.499+/-20.094 χ^2/NDF:22.5/19

Out: -9.389+/-18.816 χ^2/NDF:23.3/24

All: -30.464+/-13.735 χ^2/NDF: 48.5/44

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 63712.630+/-21.233 χ^2/NDF:19114.9/5

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 63782.796+/-24.044 χ^2/NDF:15256.7/3

Left: 63743.373+/-15.915 χ^2/NDF: 34376.4/9

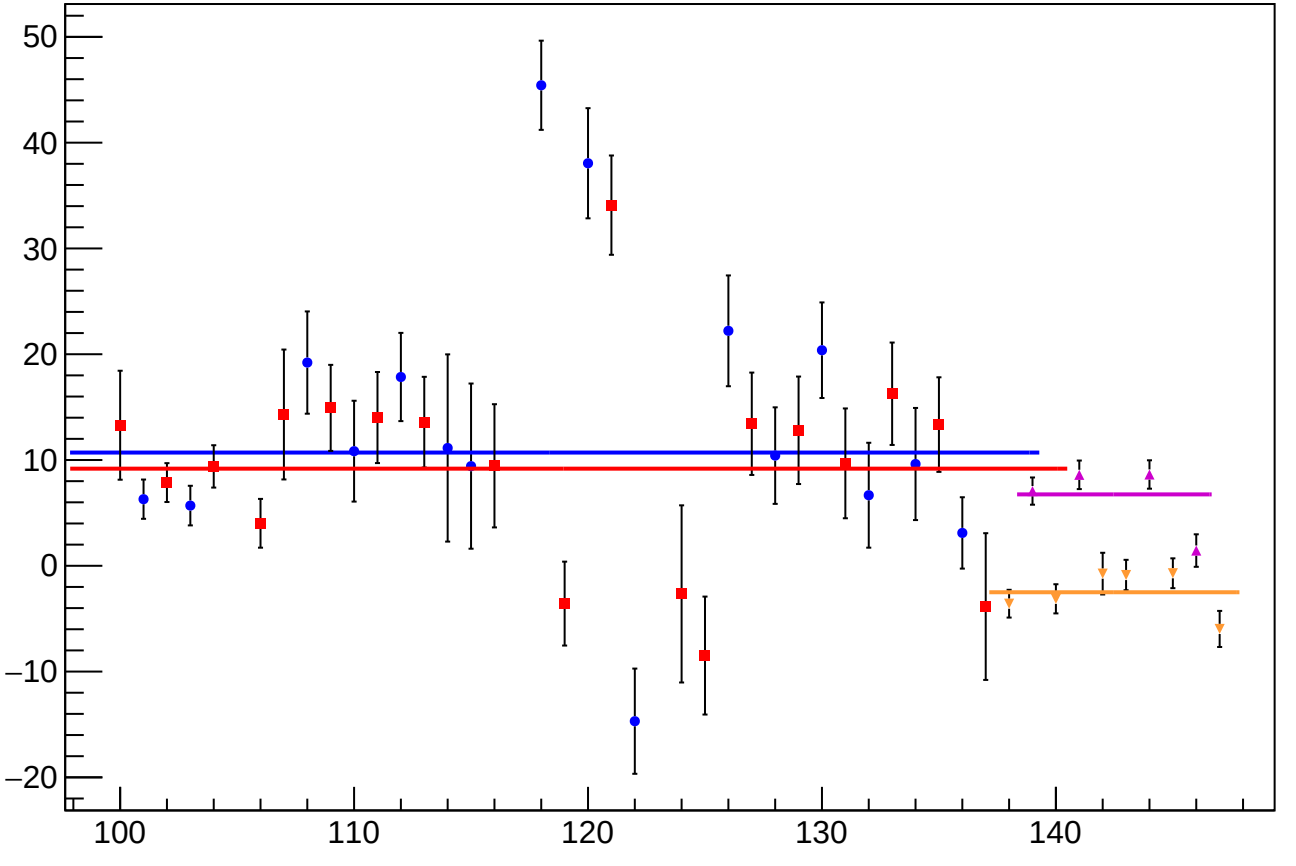
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65366.351+/-14.209 χ^2/NDF:360299.5/19

Out: 64748.683+/-13.305 χ^2/NDF:327591.1/24

All: 65037.251+/-9.712 χ^2/NDF: 688897.5/44

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -2.502+/-0.609 χ^2/NDF:8.7/5

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 6.750+/-0.685 χ^2/NDF:15.8/3

Left: 1.583+/-0.455 χ^2/NDF: 126.4/9

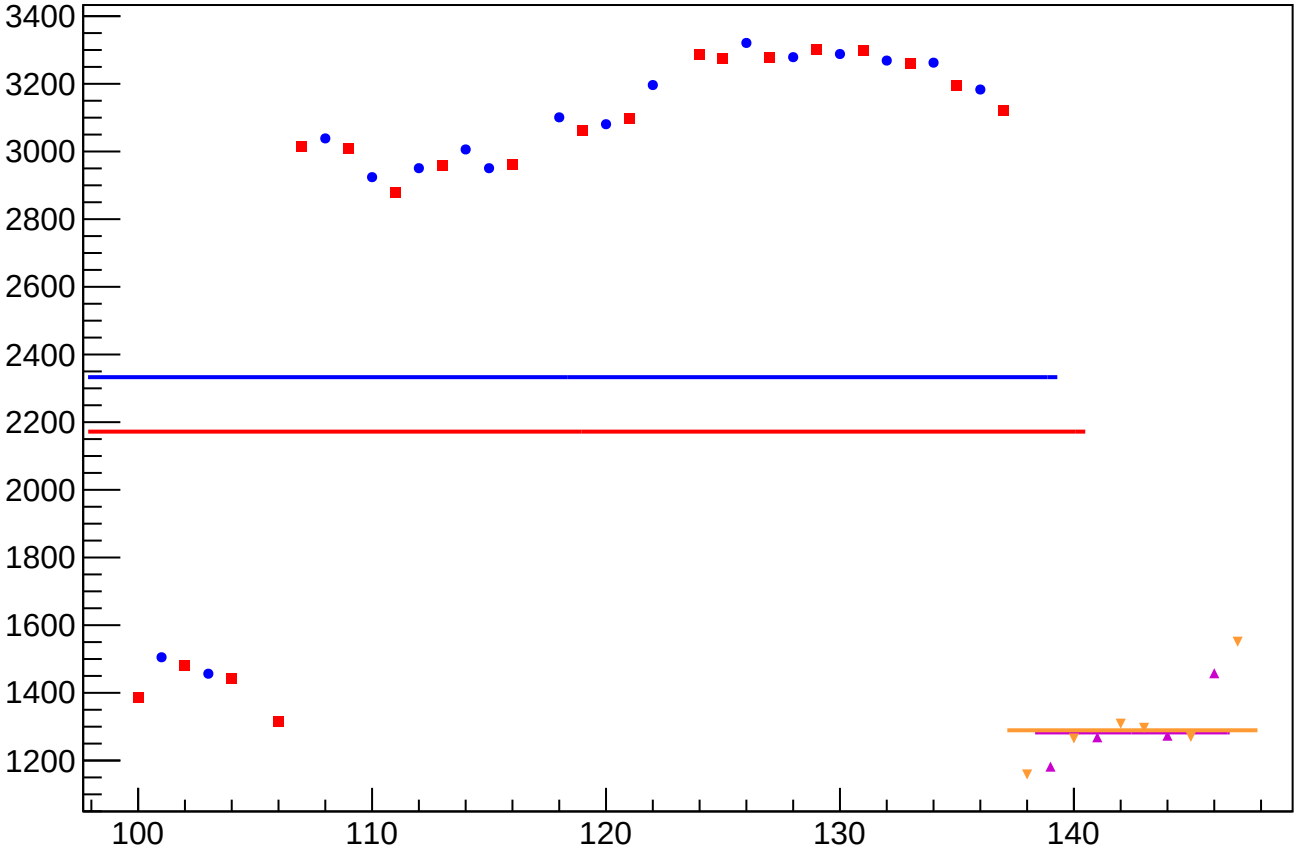
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 8.159+/-0.550 χ^2/NDF:183.3/19

Out: 1.461+/-0.495 χ^2/NDF:203.1/24

All: 4.462+/-0.368 χ^2/NDF: 468.4/44

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1289.332+/-0.431 χ^2/NDF:68137.1/5

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1282.967+/-0.484 χ^2/NDF:38571.2/3

Left: 1286.522+/-0.322 χ^2/NDF: 106804.7/9

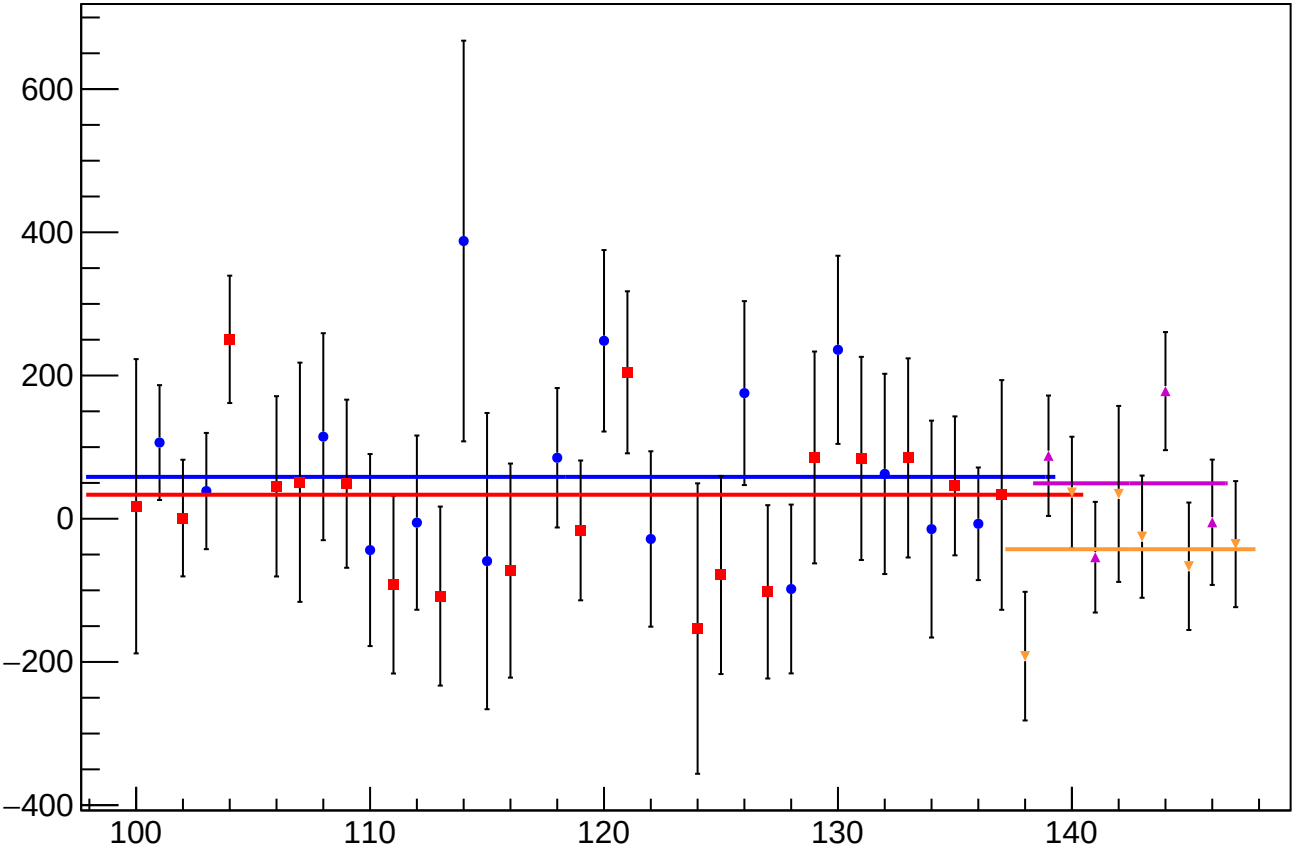
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1657.188+/-0.389 χ^2/NDF:3364868.7/19

Out: 1588.727+/-0.350 χ^2/NDF:3477203.6/24

All: 1619.400+/-0.260 χ^2/NDF: 6859204.7/44

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -42.605+/-36.571 χ^2/NDF:4.3/5

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 49.451+/-41.287 χ^2/NDF:4.8/3

Left: -2.132+/-27.376 χ^2/NDF: 11.9/9

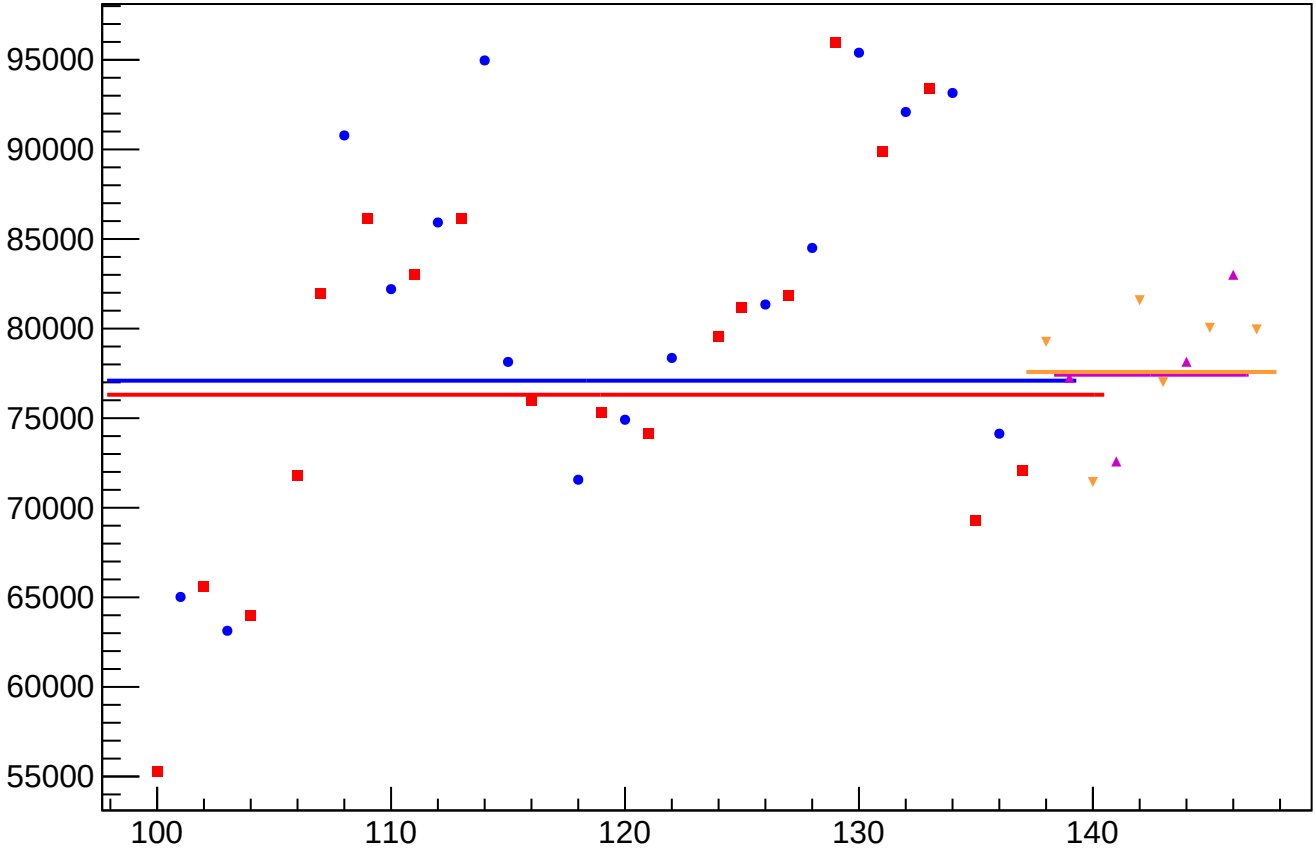
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 55.486+/-23.686 χ^2/NDF:16.2/19

Out: 5.254+/-22.285 χ^2/NDF:21.7/24

All: 28.840+/-16.230 χ^2/NDF: 40.2/44

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 77579.842+/-25.859 χ^2/NDF:18345.5/5

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 77426.616+/-29.194 χ^2/NDF:16147.3/3

Left: 77512.476+/-19.357 χ^2/NDF: 34508.3/9

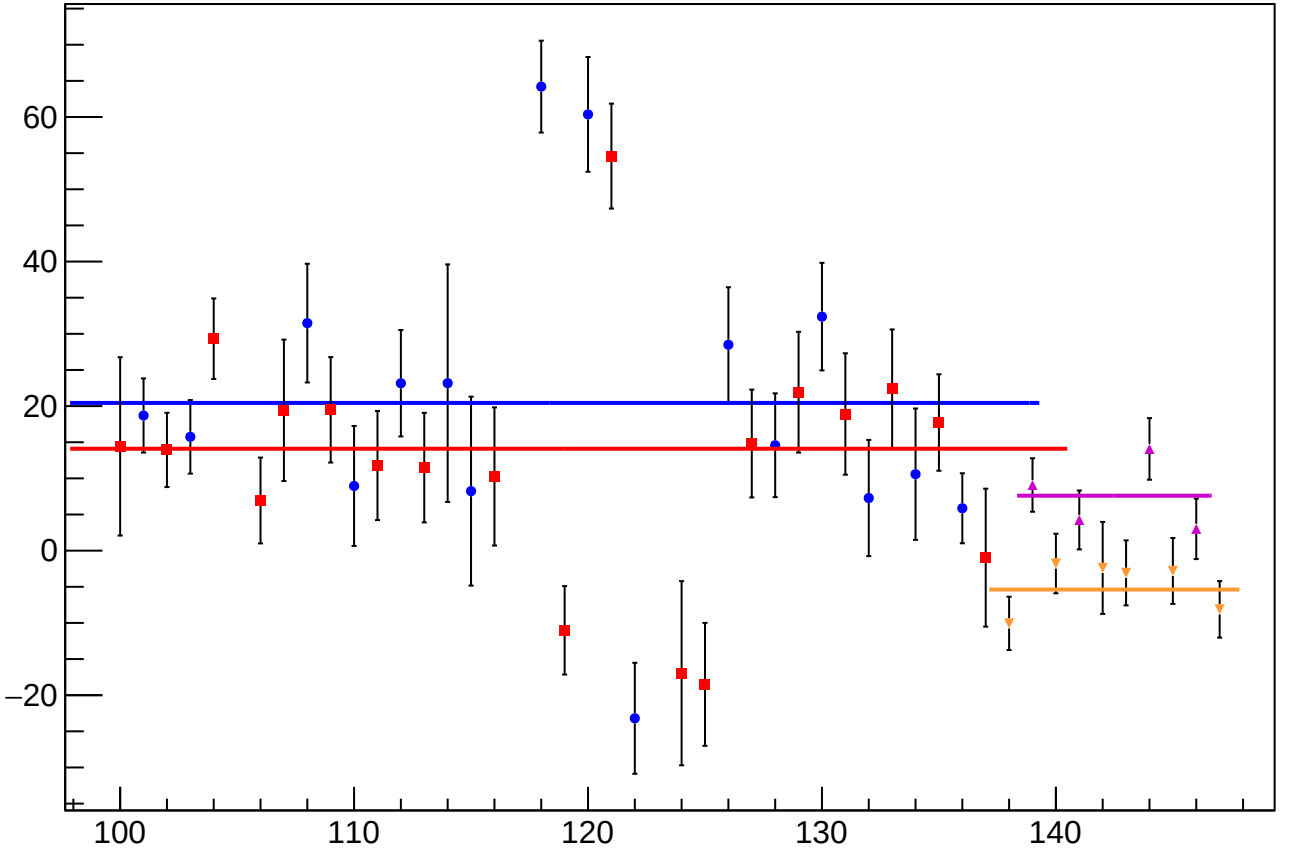
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 77202.884+/-16.748 χ^2/NDF:264777.6/19

Out: 76780.703+/-15.758 χ^2/NDF:254297.8/24

All: 76978.940+/-11.477 χ^2/NDF: 519412.4/4

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.382+/-1.768 χ^2/NDF:3.7/5

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 7.605+/-2.019 χ^2/NDF:4.3/3

Left: 0.257+/-1.330 χ^2/NDF: 31.4/9

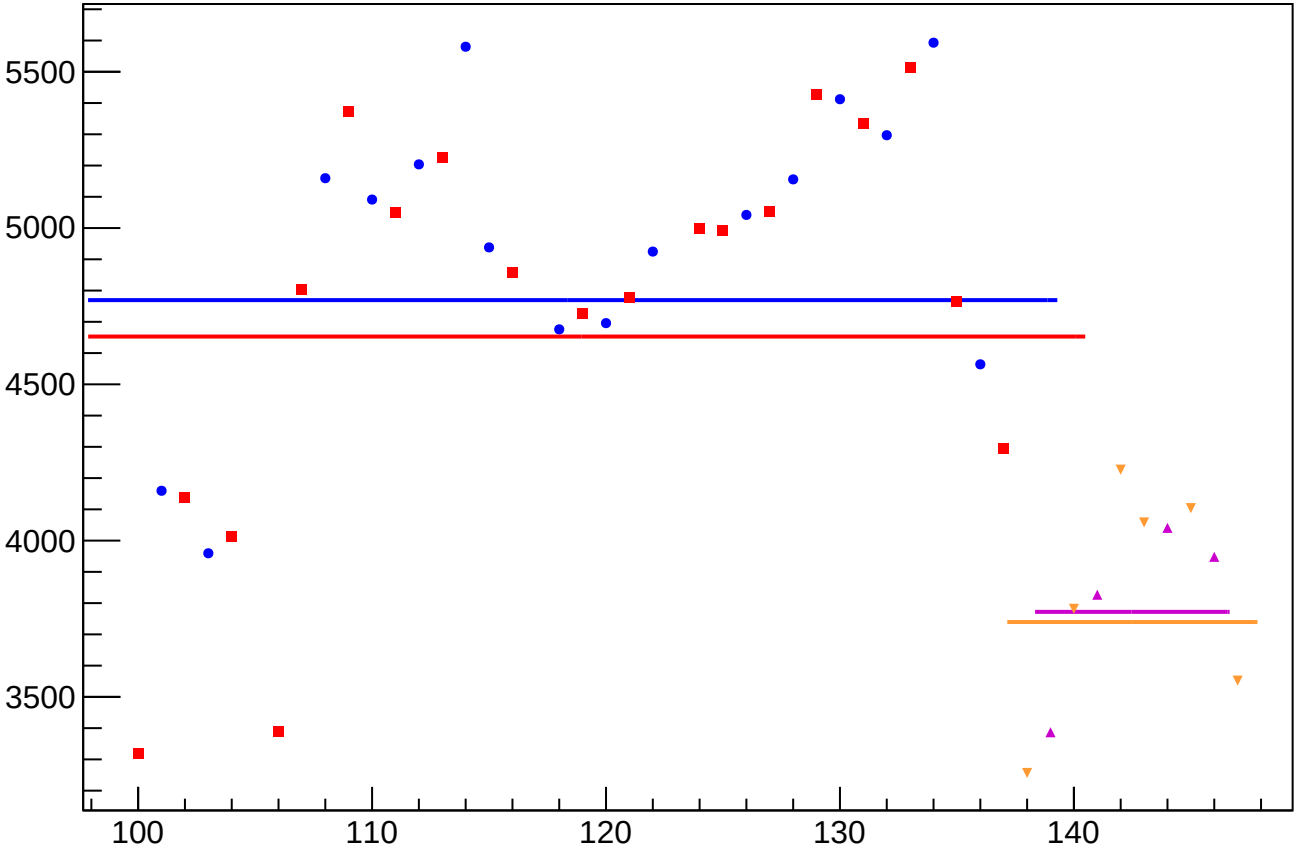
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 14.819+/-1.336 χ^2/NDF:154.9/19

Out: 4.666+/-1.231 χ^2/NDF:150.0/24

All: 9.326+/-0.905 χ^2/NDF: 336.2/44

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3739.568+/-1.250 χ^2/NDF:73596.6/5

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3772.034+/-1.427 χ^2/NDF:33540.9/3

Left: 3753.664+/-0.940 χ^2/NDF: 107430.3/9

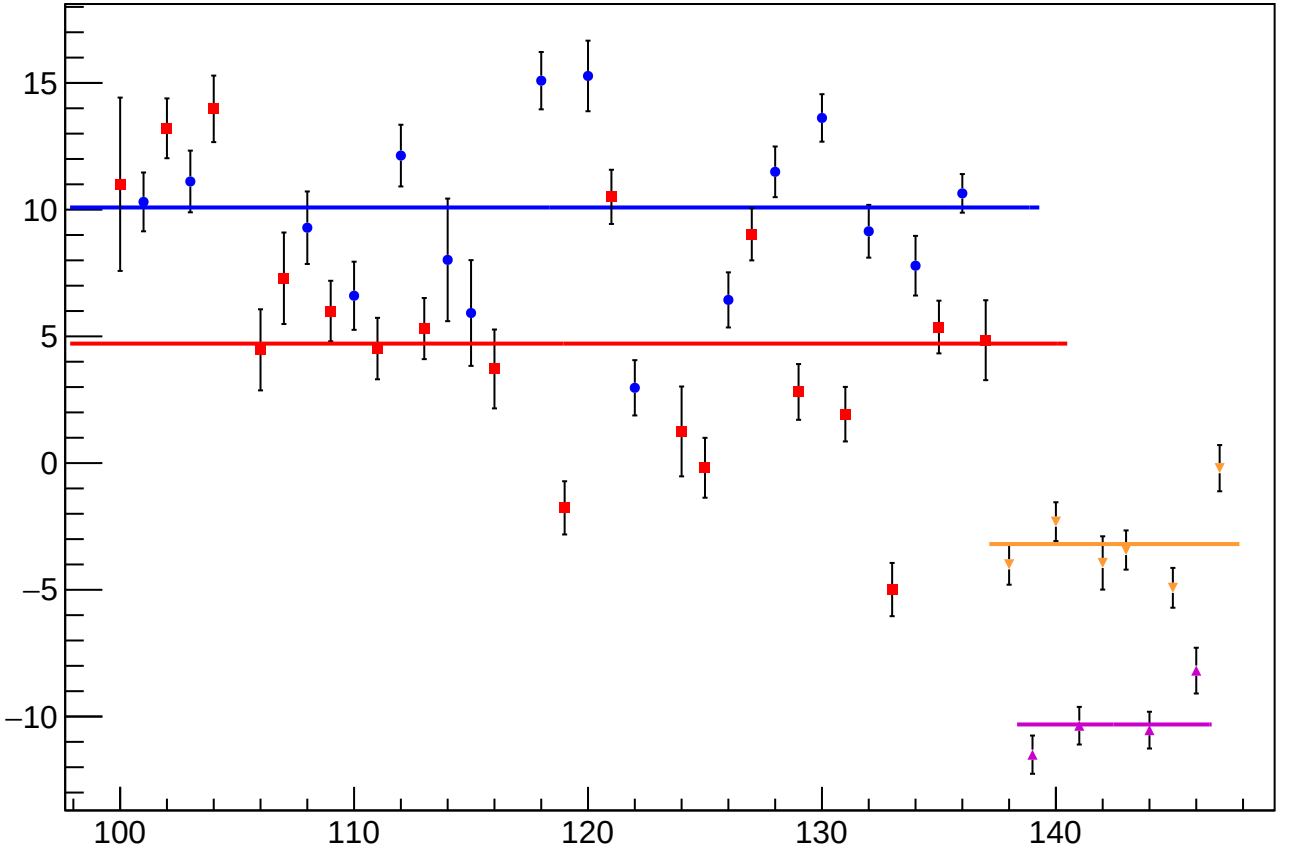
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4332.541+/-0.945 χ^2/NDF:459625.3/19

Out: 4210.563+/-0.870 χ^2/NDF:613907.0/24

All: 4266.553+/-0.640 χ^2/NDF: 1082553.0/44

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.195+/-0.340 χ^2/NDF:18.5/5

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -10.313+/-0.386 χ^2/NDF:8.1/3

Left: -6.301+/-0.255 χ^2/NDF: 218.0/9

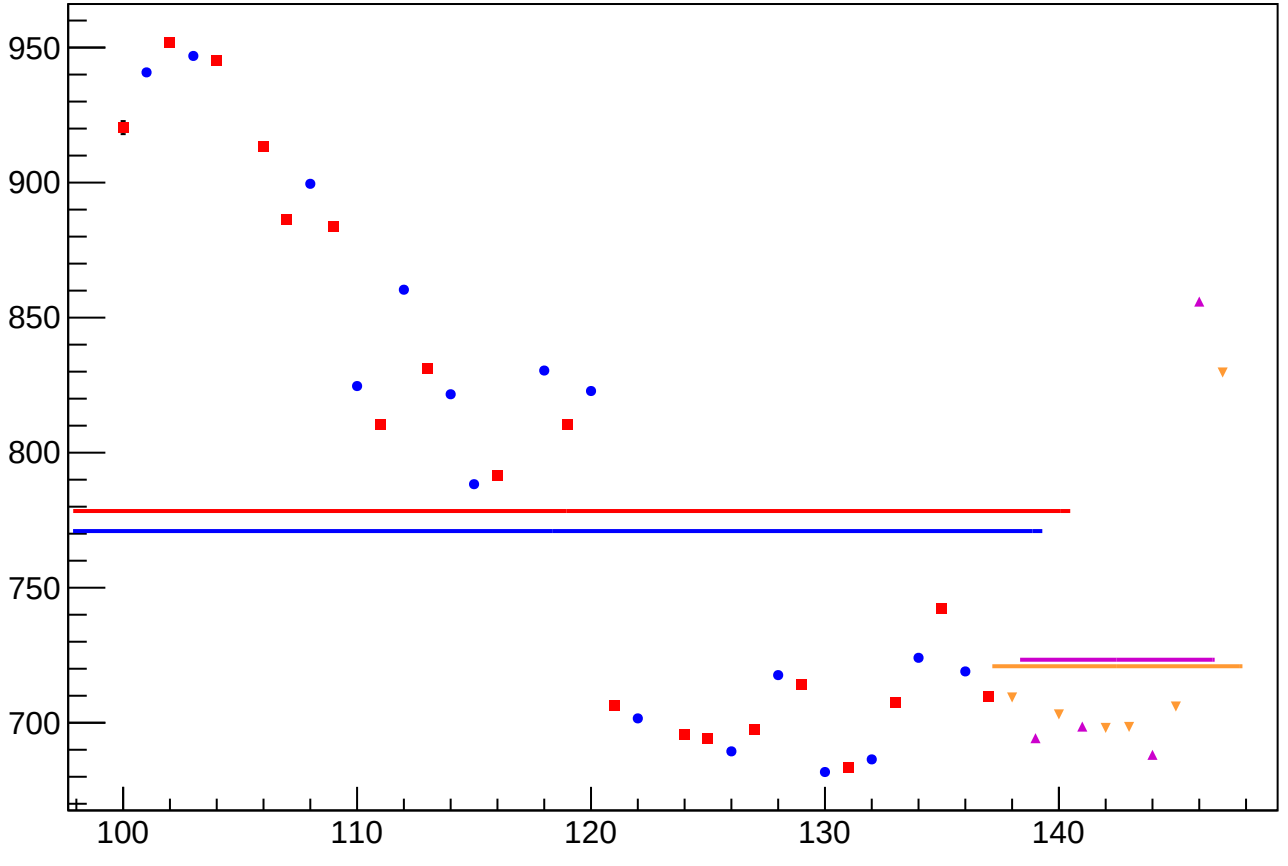
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.788+/-0.231 χ^2/NDF:1922.5/19

Out: 1.441+/-0.219 χ^2/NDF:645.9/24

All: 2.077+/-0.159 χ^2/NDF: 2586.3/44

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 720.920+/-0.240 χ^2/NDF:33281.2/5

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 723.335+/-0.273 χ^2/NDF:53087.3/3

Left: 721.974+/-0.180 χ^2/NDF: 86412.5/9

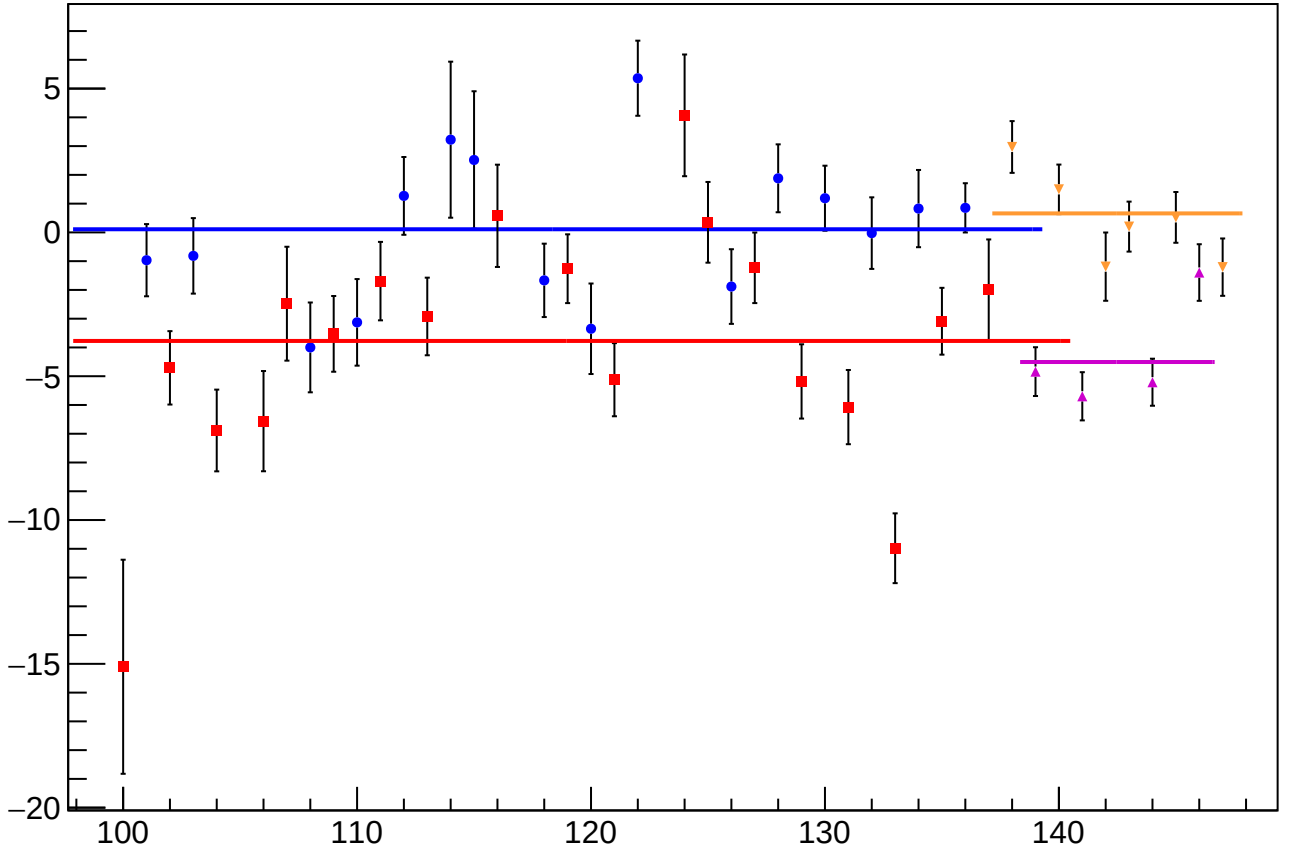
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 753.929+/-0.163 χ^2/NDF:265527.3/19

Out: 754.601+/-0.155 χ^2/NDF:263317.6/24

All: 754.283+/-0.112 χ^2/NDF: 528853.8/44

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.660+/-0.381 χ^2/NDF:13.8/5

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -4.506+/-0.433 χ^2/NDF:12.9/3

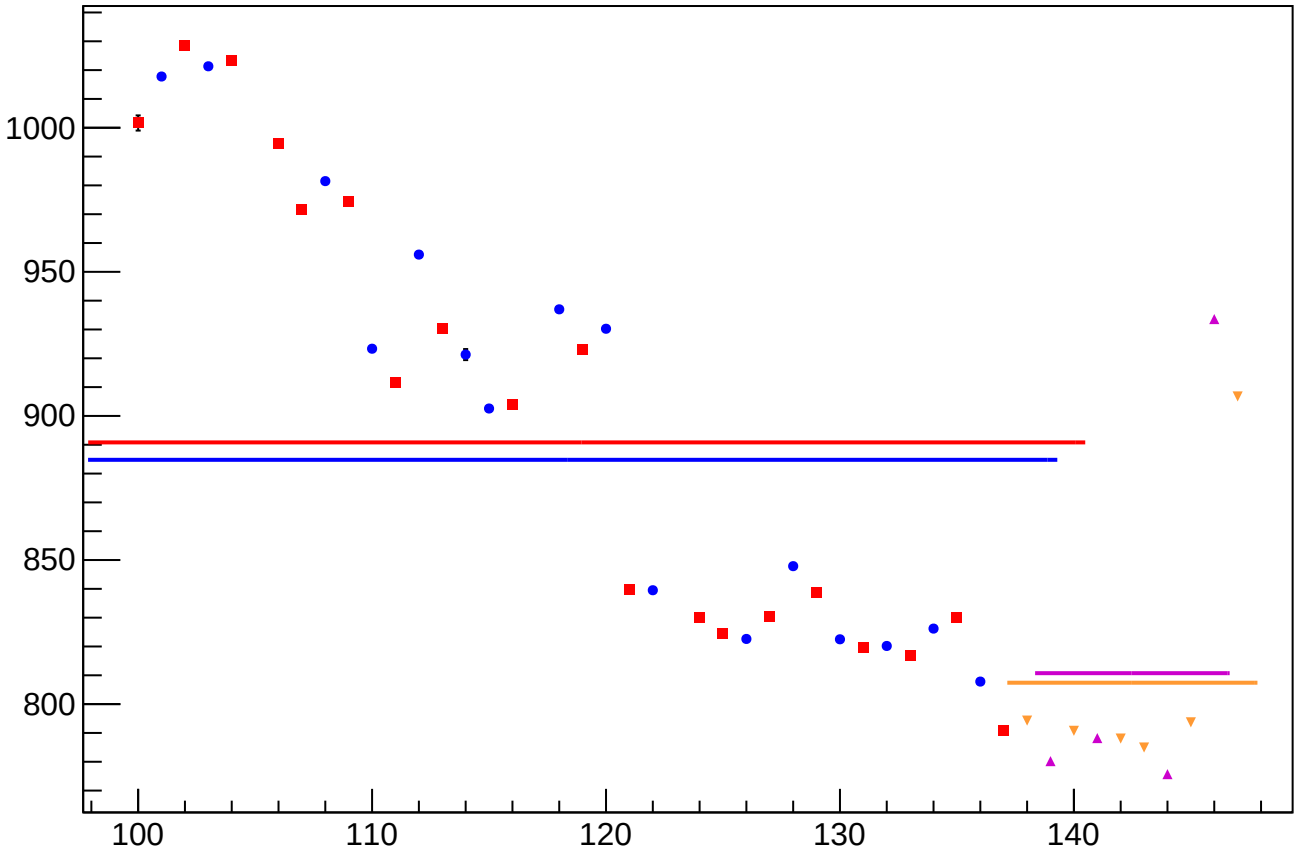
Left: -1.593+/-0.286 χ^2/NDF: 107.1/9

Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.588+/-0.262 χ^2/NDF:130.2/19

Out: -1.896+/-0.248 χ^2/NDF:191.6/24

All: -1.751+/-0.180 χ^2/NDF: 322.6/44



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 807.429+/-0.269 χ^2/NDF:23388.4/5

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 810.738+/-0.306 χ^2/NDF:38896.0/3

Left: 808.873+/-0.202 χ^2/NDF: 62350.4/9

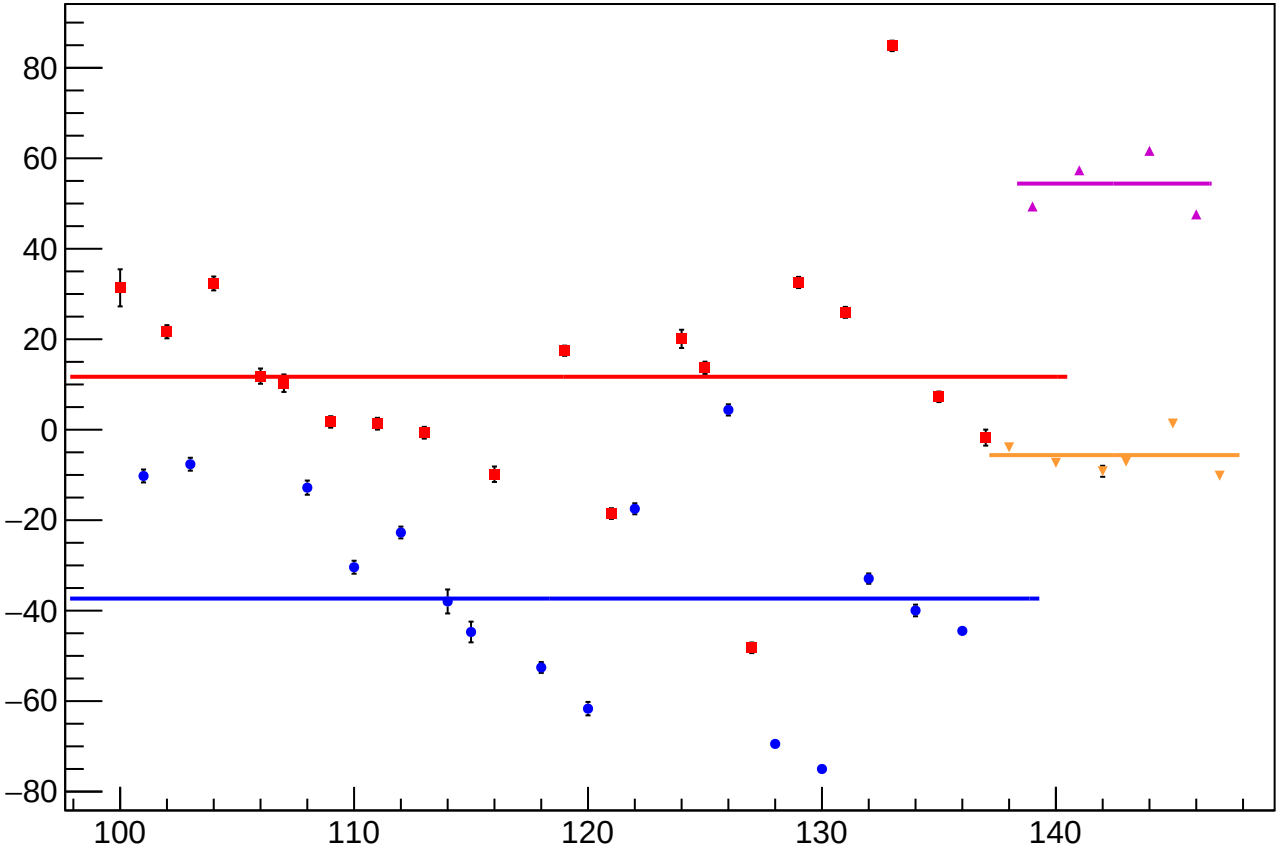
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 857.549+/-0.185 χ^2/NDF:180427.8/19

Out: 855.509+/-0.175 χ^2/NDF:186534.8/24

All: 856.470+/-0.127 χ^2/NDF: 367026.6/44

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -5.616+/-0.389 χ^2/NDF:96.3/5

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 54.408+/-0.441 χ^2/NDF:167.8/3

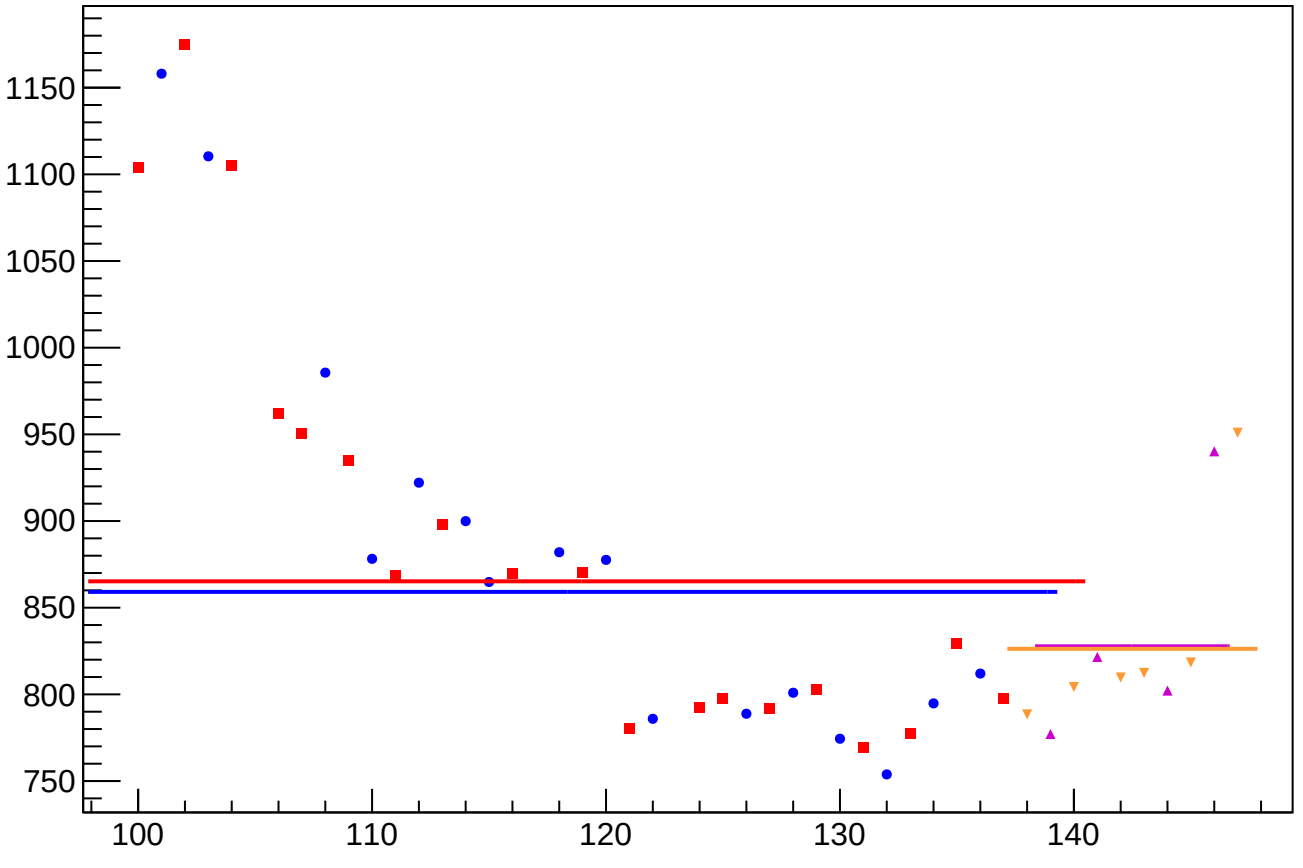
Left: 20.657+/-0.292 χ^2/NDF: 10658.9/9

Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: -5.507+/-0.260 χ^2/NDF:33555.7/19

Out: 4.780+/-0.246 χ^2/NDF:9746.9/24

All: -0.085+/-0.179 χ^2/NDF: 44127.7/44



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 826.276+/-0.275 χ^2/NDF:34278.2/5

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 827.725+/-0.312 χ^2/NDF:34886.6/3

Left: 826.910+/-0.207 χ^2/NDF: 69176.9/9

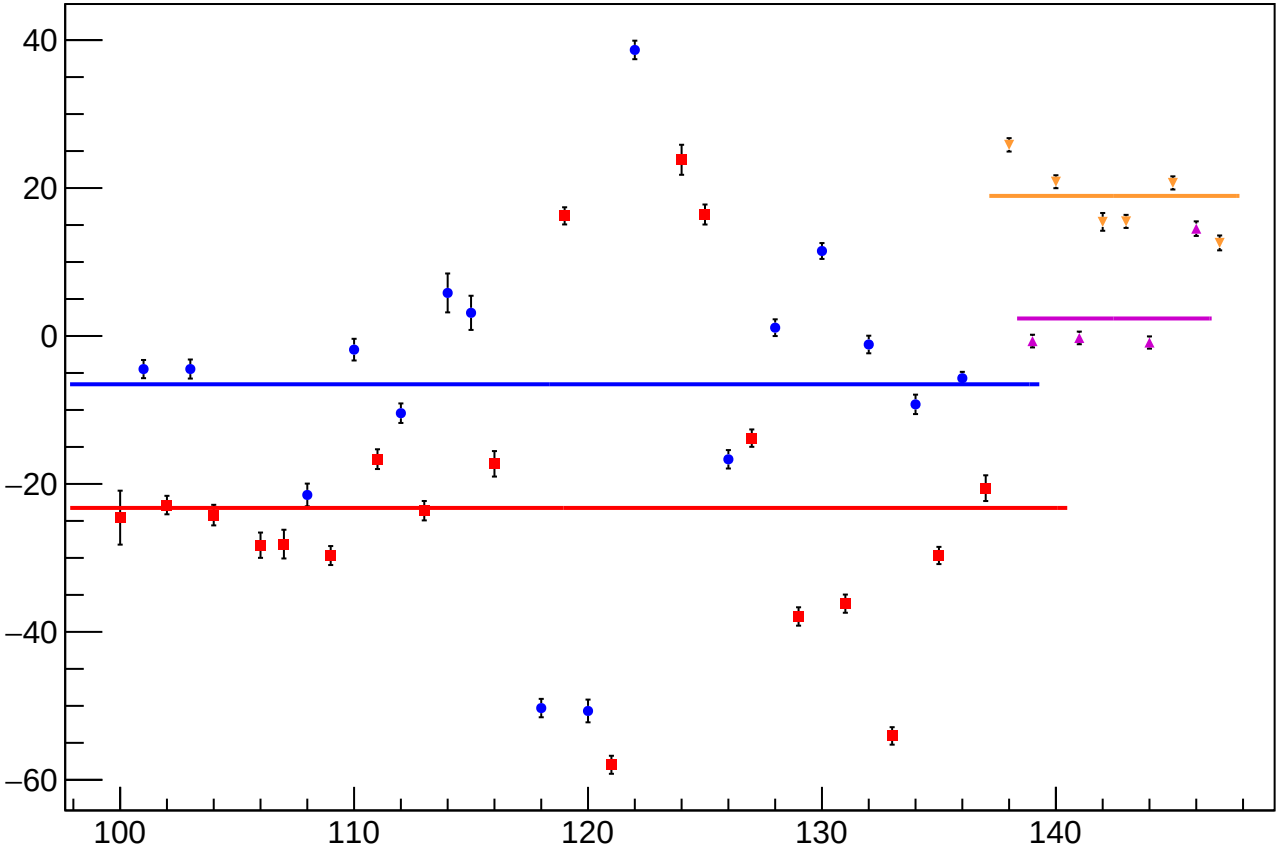
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 848.233+/-0.184 χ^2/NDF:270205.4/19

Out: 849.645+/-0.174 χ^2/NDF:269942.5/24

All: 848.977+/-0.126 χ^2/NDF: 540179.0/44

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.936+/-0.385 χ^2/NDF:130.2/5

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 2.366+/-0.438 χ^2/NDF:189.1/3

Left: 11.711+/-0.289 χ^2/NDF: 1126.6/9

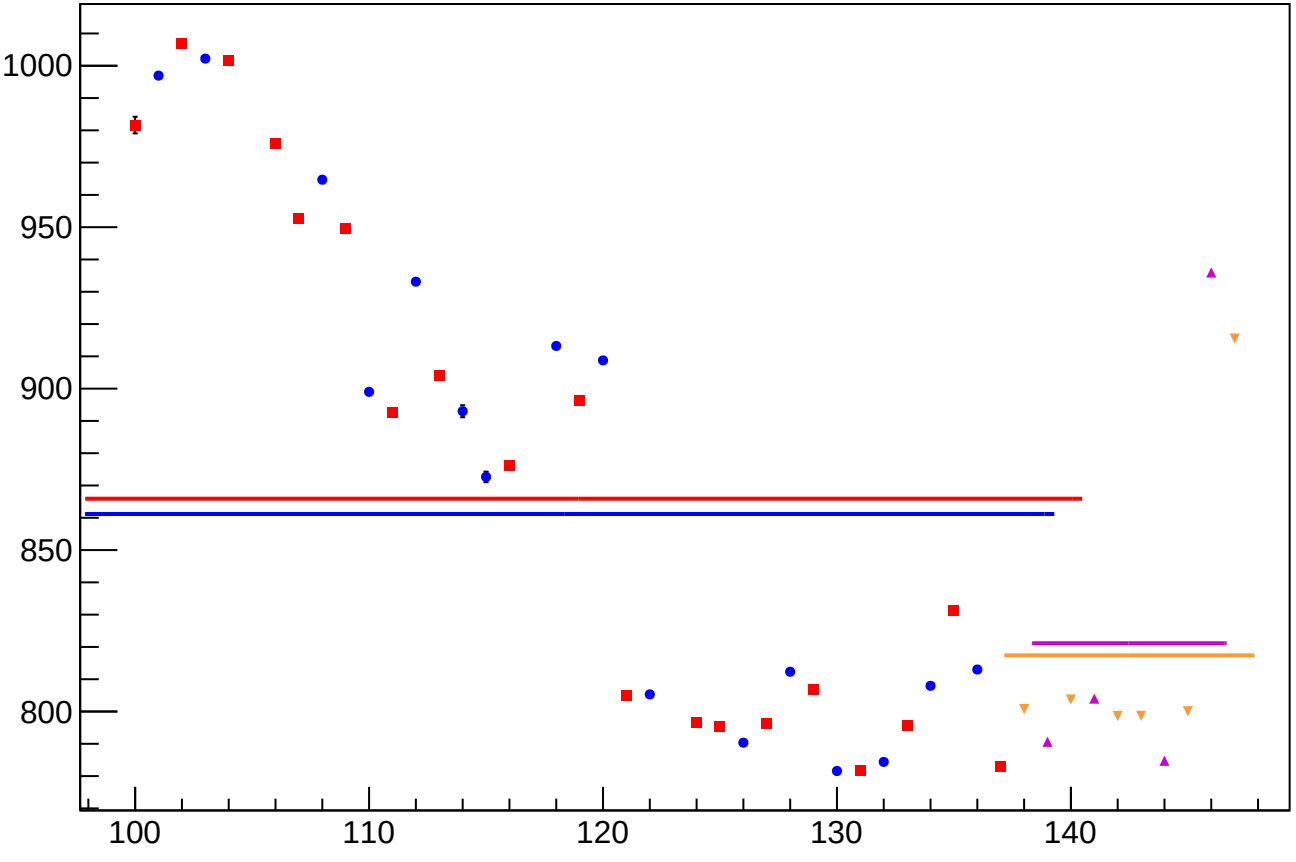
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -3.418+/-0.259 χ^2/NDF:4403.4/19

Out: -6.206+/-0.245 χ^2/NDF:11750.5/24

All: -4.891+/-0.178 χ^2/NDF: 16215.1/44

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 817.384+/-0.272 χ^2/NDF:22305.8/5

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 821.145+/-0.310 χ^2/NDF:34308.4/3

Left: 819.024+/-0.205 χ^2/NDF: 56697.3/9

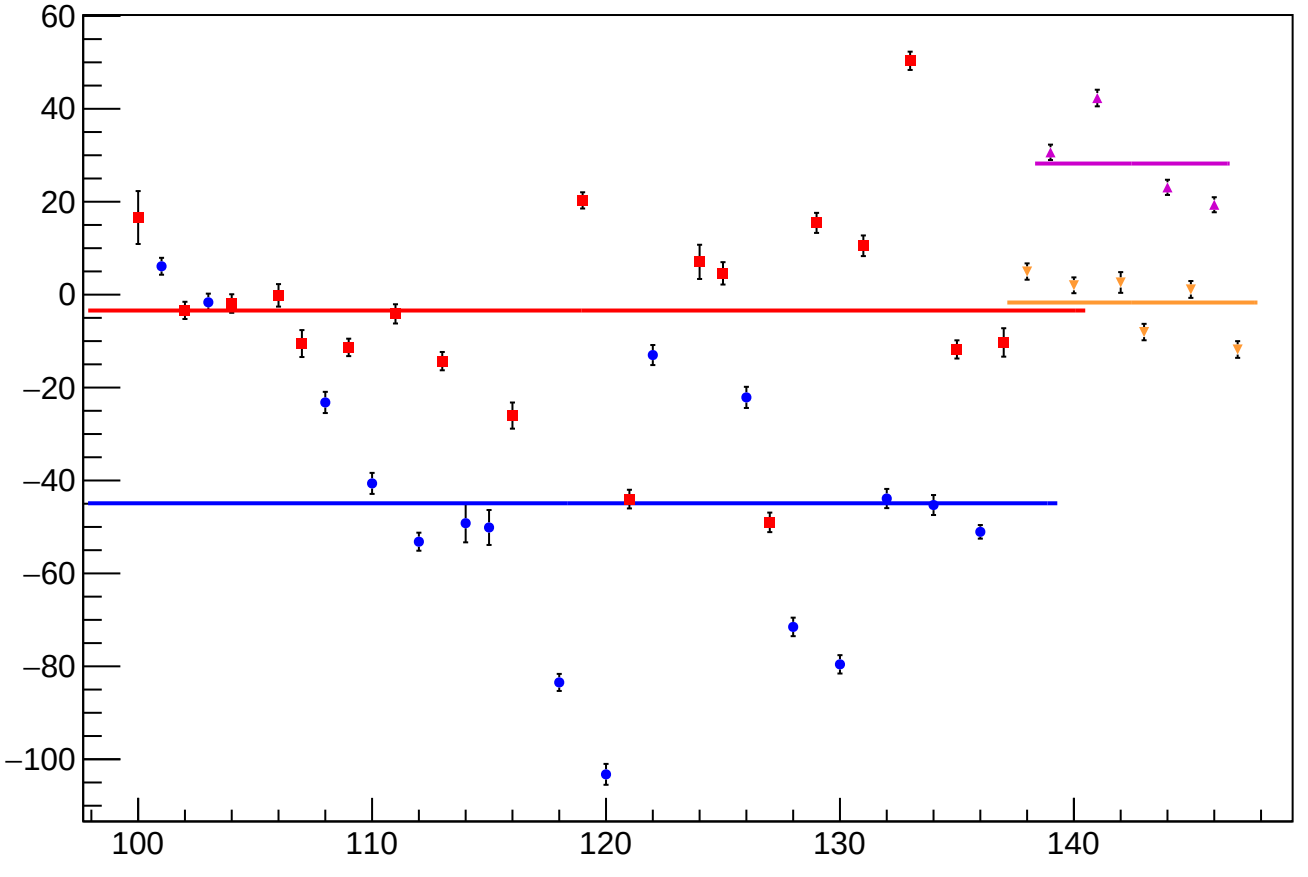
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 847.172+/-0.183 χ^2/NDF:158699.7/19

Out: 846.308+/-0.173 χ^2/NDF:159648.5/24

All: 846.715+/-0.126 χ^2/NDF: 318359.9/44

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.695+/-0.744 χ^2/NDF:69.9/5

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 28.218+/-0.836 χ^2/NDF:104.1/3

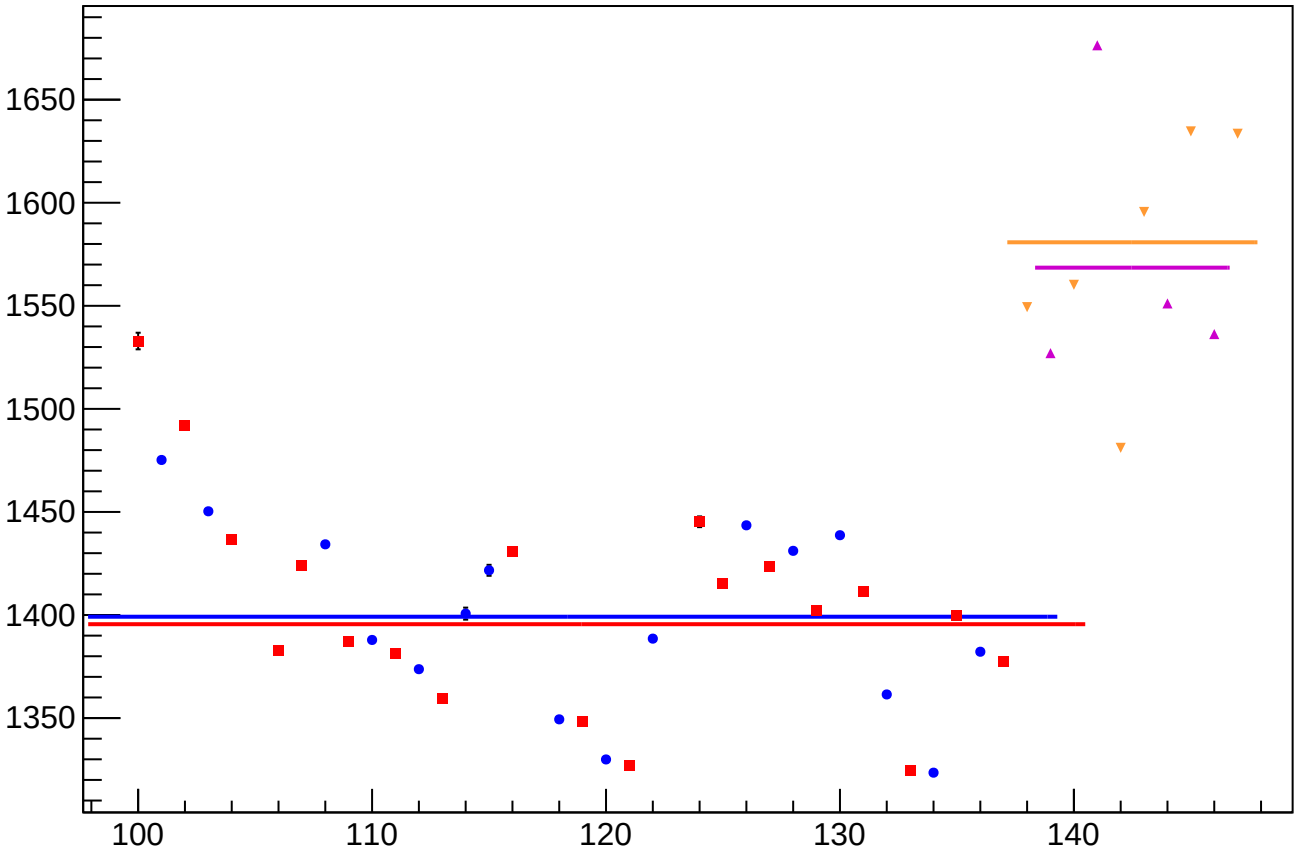
Left: 11.528+/-0.556 χ^2/NDF: 888.0/9

Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -24.520+/-0.442 χ^2/NDF:8996.4/19

Out: -2.867+/-0.420 χ^2/NDF:2175.7/24

All: -13.159+/-0.304 χ^2/NDF: 12434.0/44



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1580.814+/-0.526 χ^2/NDF:8547.3/5

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1568.508+/-0.591 χ^2/NDF:9551.6/3

Left: 1575.374+/-0.393 χ^2/NDF: 18340.5/9

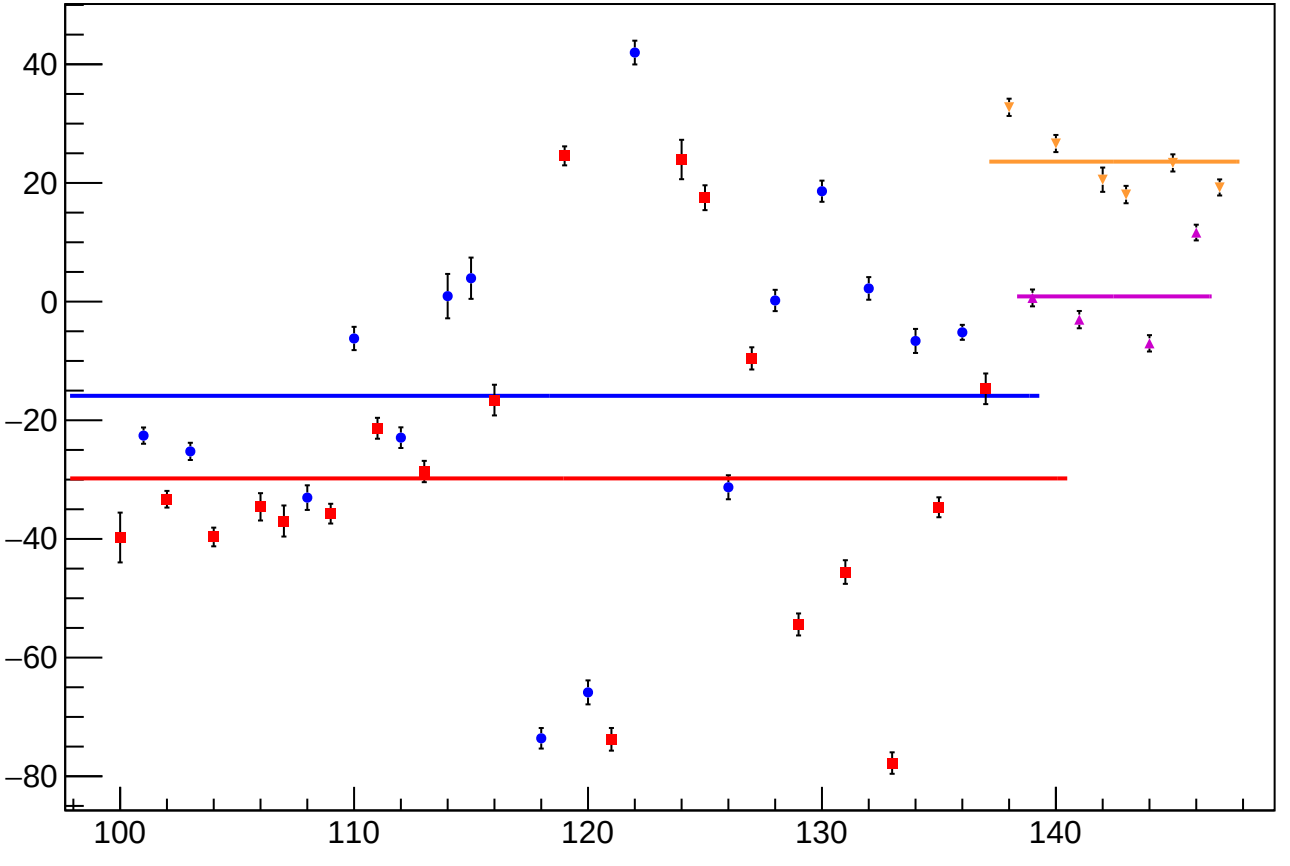
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1446.378+/-0.312 χ^2/NDF:83544.8/19

Out: 1454.605+/-0.297 χ^2/NDF:109202.1/24

All: 1450.695+/-0.215 χ^2/NDF: 193111.2/44

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.595+/-0.611 χ^2/NDF:71.0/5

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 0.877+/-0.696 χ^2/NDF:106.1/3

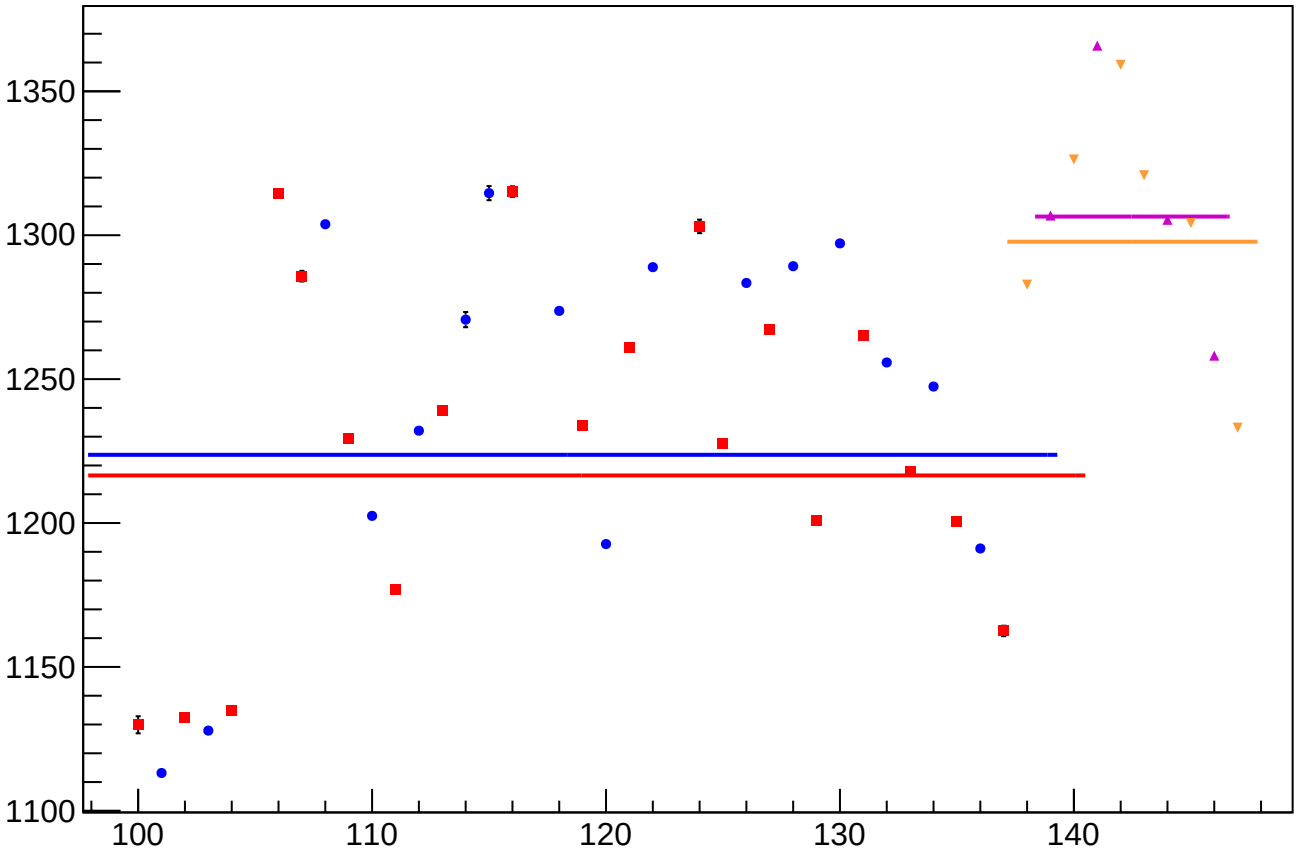
Left: 13.713+/-0.459 χ^2/NDF: 778.2/9

Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -10.862+/-0.381 χ^2/NDF:3989.4/19

Out: -11.332+/-0.359 χ^2/NDF:8746.3/24

All: -11.111+/-0.261 χ^2/NDF: 12736.6/44



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1297.742+/-0.432 χ^2/NDF:7873.1/5

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1306.483+/-0.492 χ^2/NDF:5978.0/3

Left: 1301.545+/-0.325 χ^2/NDF: 14029.0/9

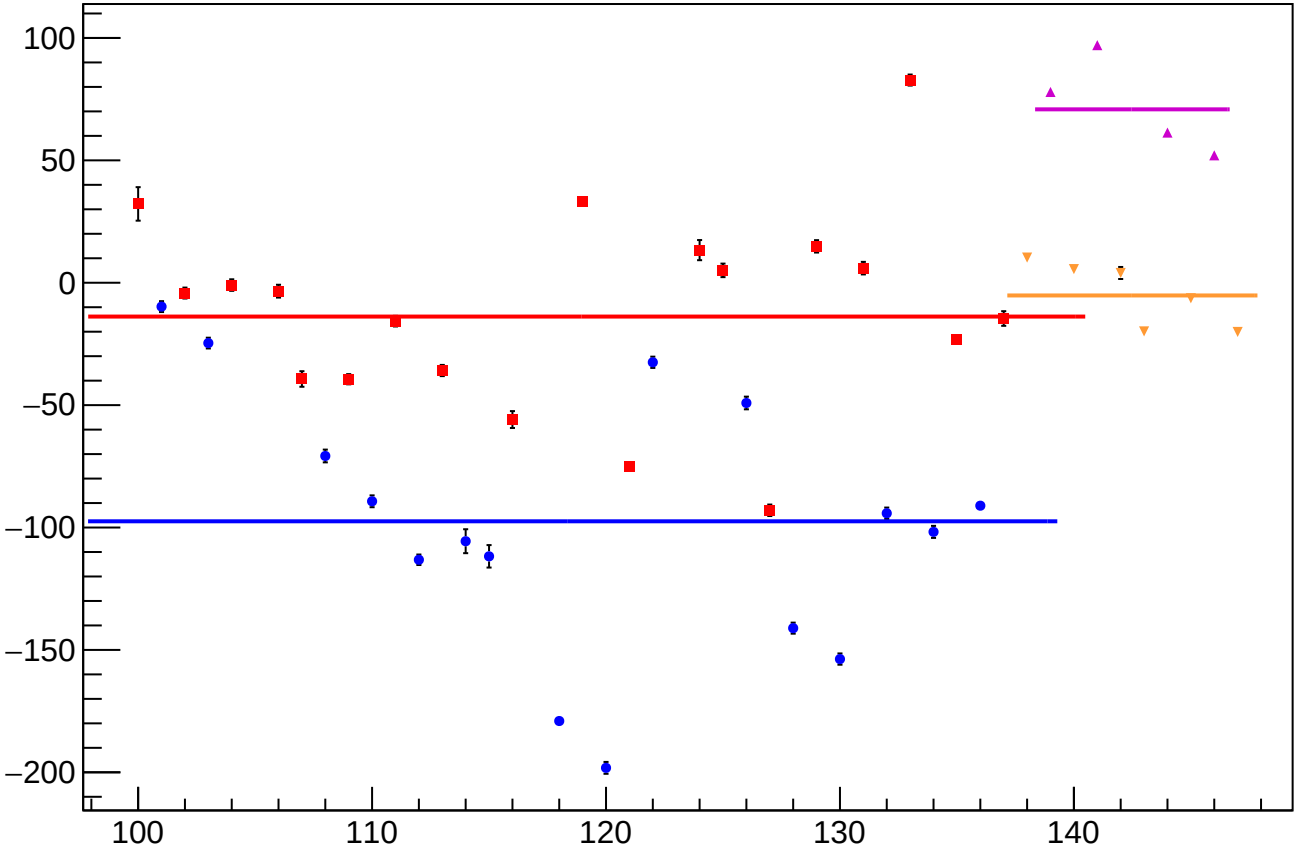
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1248.483+/-0.269 χ^2/NDF:66658.6/19

Out: 1244.621+/-0.254 χ^2/NDF:60358.7/24

All: 1246.439+/-0.185 χ^2/NDF: 127126.1/44

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -5.193+/-0.764 χ^2/NDF:259.9/5

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 70.838+/-0.863 χ^2/NDF:381.9/3

Left: 28.205+/-0.572 χ^2/NDF: 4991.9/9

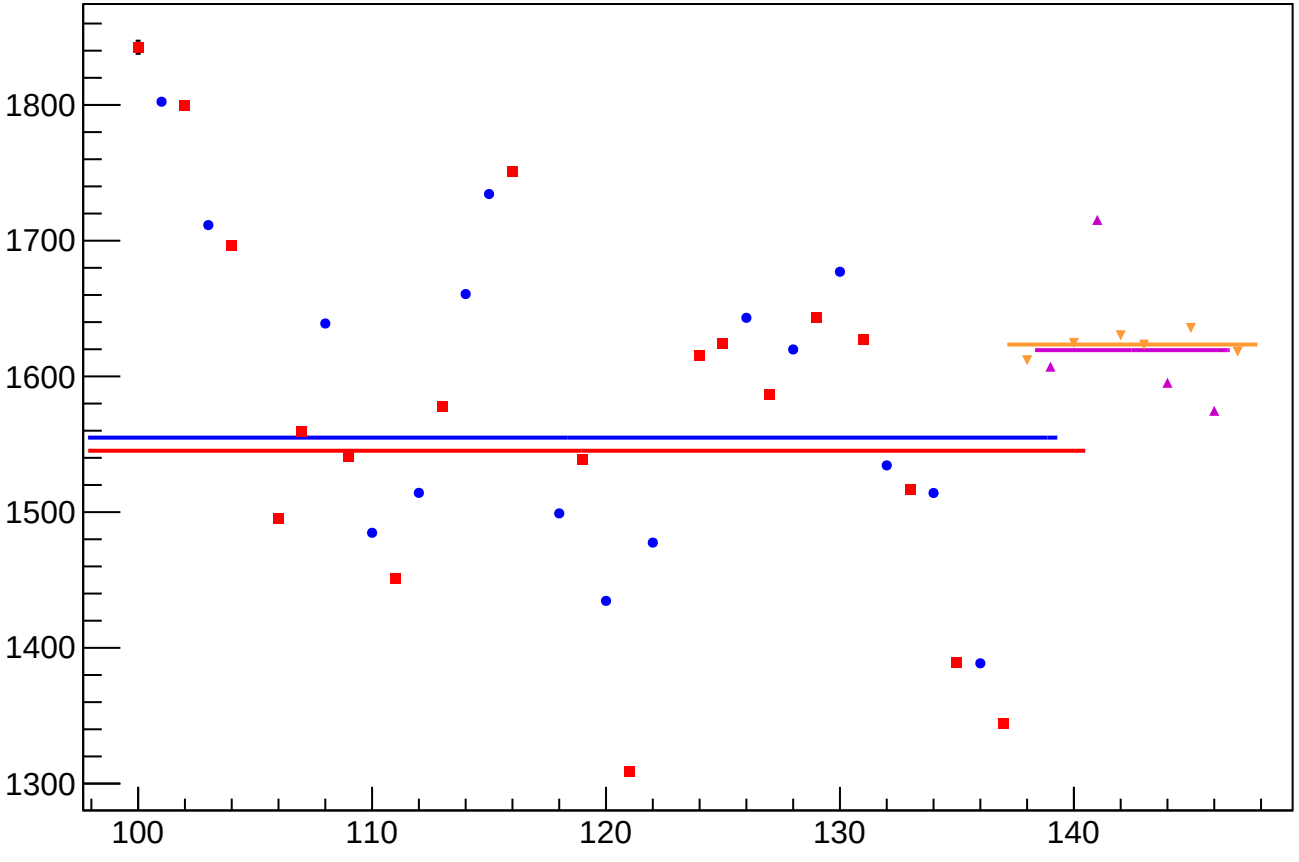
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -45.182+/-0.481 χ^2/NDF:34885.5/19

Out: -10.763+/-0.455 χ^2/NDF:5694.4/24

All: -27.000+/-0.330 χ^2/NDF: 43283.8/44

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1623.490+/-0.540 χ^2/NDF:203.9/5

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1619.352+/-0.610 χ^2/NDF:7458.0/3

Left: 1621.673+/-0.405 χ^2/NDF: 7687.7/9

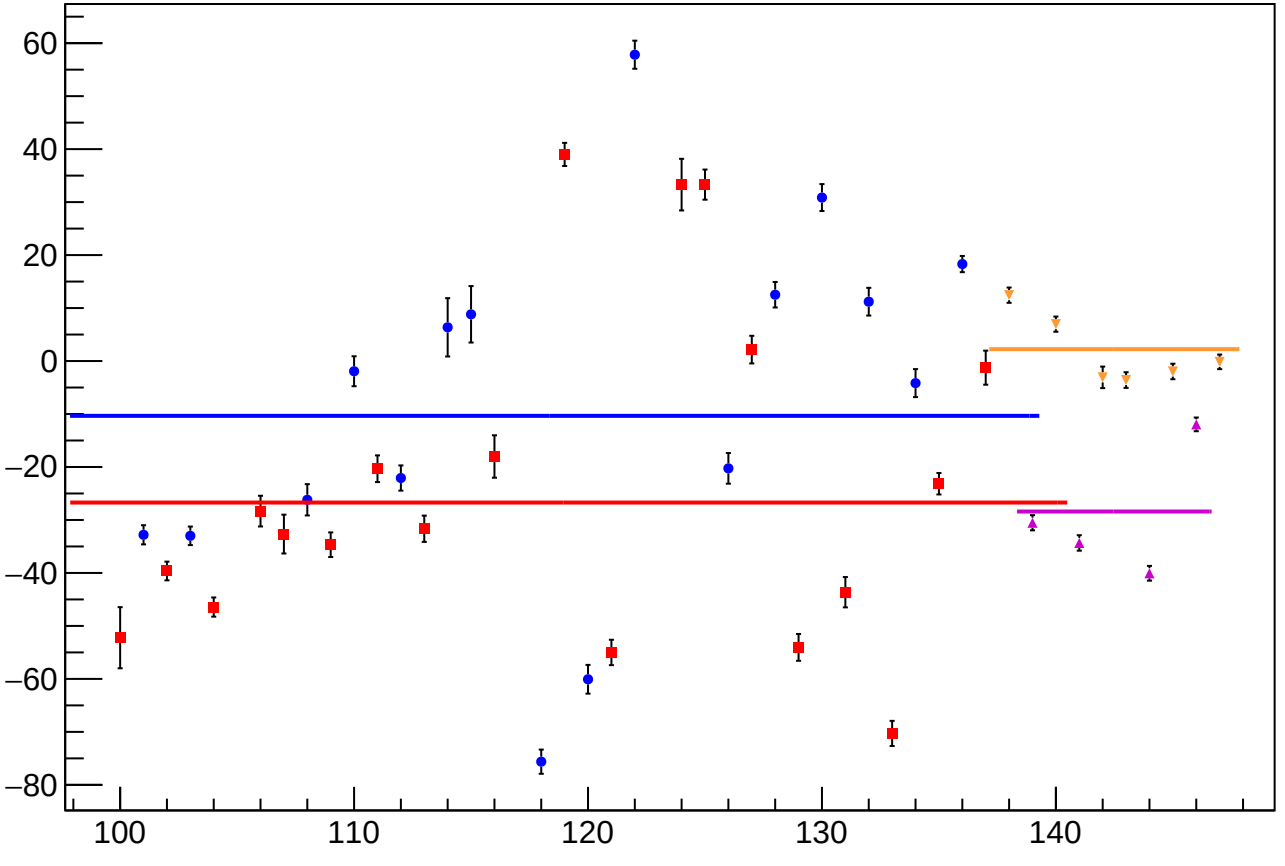
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1574.925+/-0.340 χ^2/NDF:103062.7/19

Out: 1572.946+/-0.321 χ^2/NDF:122544.9/24

All: 1573.880+/-0.234 χ^2/NDF: 225625.5/44

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.240+/-0.613 χ^2/NDF:94.5/5

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -28.405+/-0.695 χ^2/NDF:250.3/3

Left: -11.159+/-0.460 χ^2/NDF: 1437.8/9

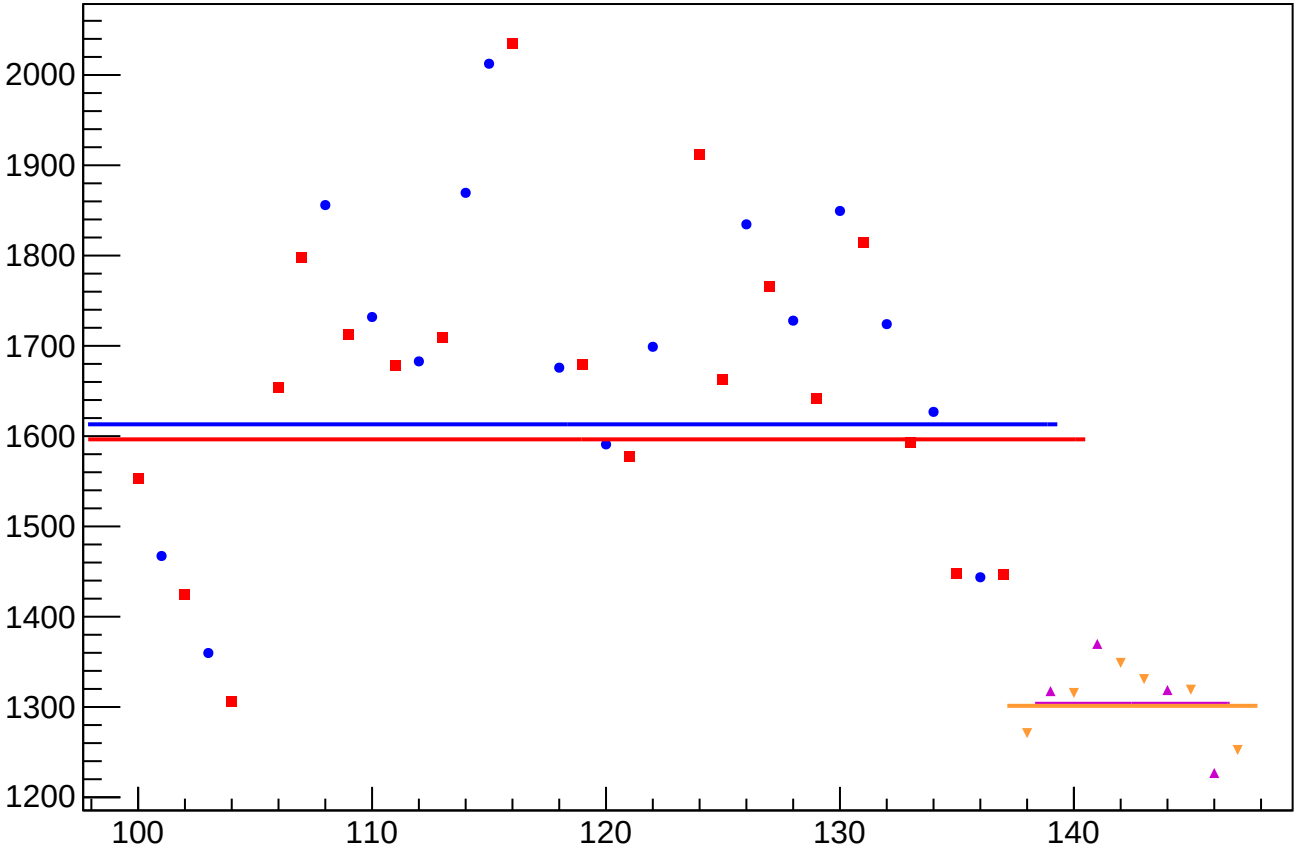
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -18.099+/-0.456 χ^2/NDF:3642.3/19

Out: -12.875+/-0.424 χ^2/NDF:3800.0/24

All: -15.298+/-0.310 χ^2/NDF: 7512.8/44

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1301.298+/-0.433 χ^2/NDF:5794.3/5

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1303.563+/-0.492 χ^2/NDF:11566.1/3

Left: 1302.288+/-0.325 χ^2/NDF: 17372.3/9

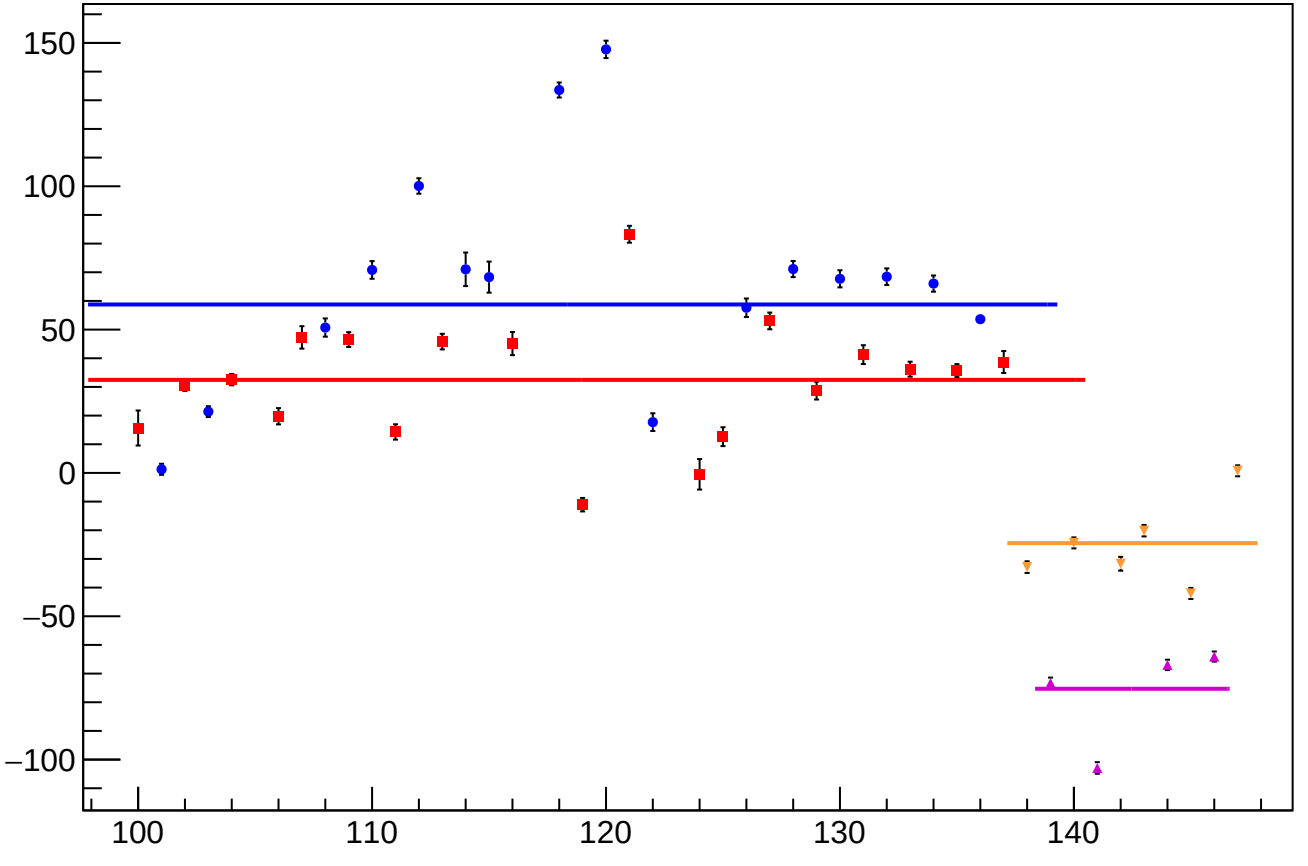
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1480.198+/-0.322 χ^2/NDF:392436.8/19

Out: 1455.400+/-0.300 χ^2/NDF:408660.4/24

All: 1466.900+/-0.219 χ^2/NDF: 804274.4/44

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -24.498+/-0.823 χ^2/NDF:287.7/5

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -75.293+/-0.932 χ^2/NDF:248.0/3

Left: -46.729+/-0.617 χ^2/NDF: 2204.4/9

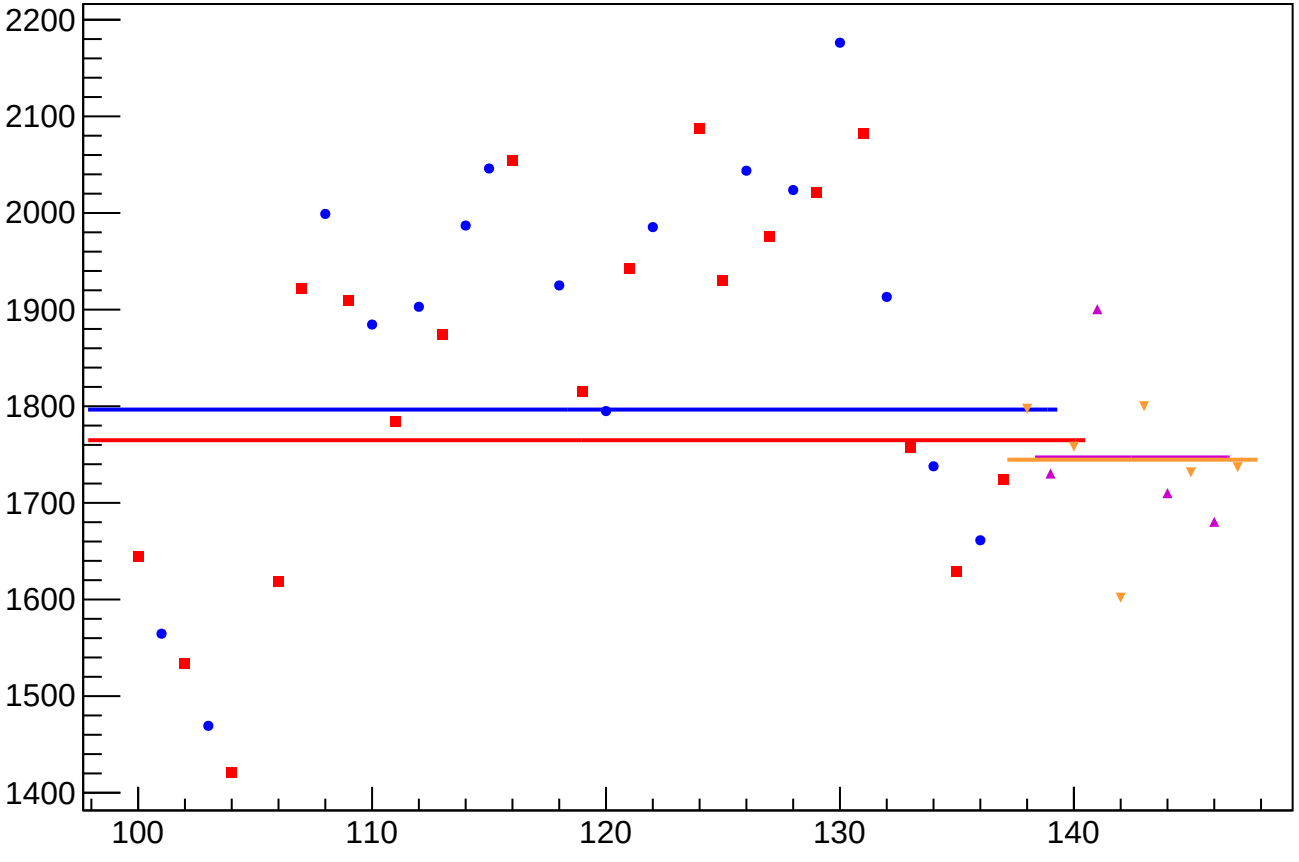
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: 12.896+/-0.545 χ^2/NDF:17288.3/19

Out: 10.636+/-0.509 χ^2/NDF:4176.0/24

All: 11.688+/-0.372 χ^2/NDF: 21473.5/44

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1744.701+/-0.582 χ^2/NDF:10098.4/5

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1747.010+/-0.659 χ^2/NDF:15246.0/3

Left: 1745.711+/-0.436 χ^2/NDF: 25351.2/9

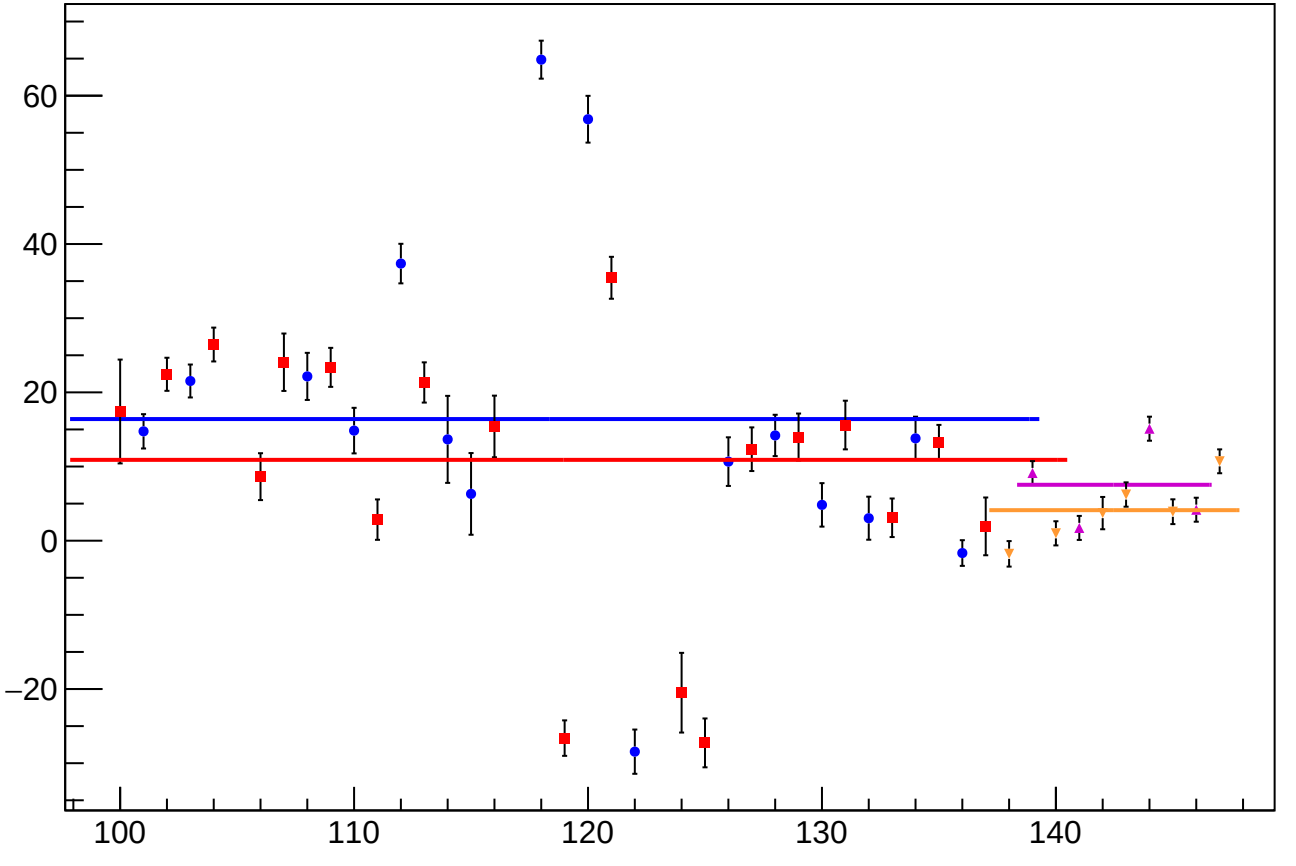
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1779.603+/-0.386 χ^2/NDF:212132.4/19

Out: 1757.134+/-0.360 χ^2/NDF:200827.0/24

All: 1767.599+/-0.263 χ^2/NDF: 414772.9/44

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 4.115+/-0.700 χ^2/NDF:33.8/5

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.538+/-0.807 χ^2/NDF:40.0/3

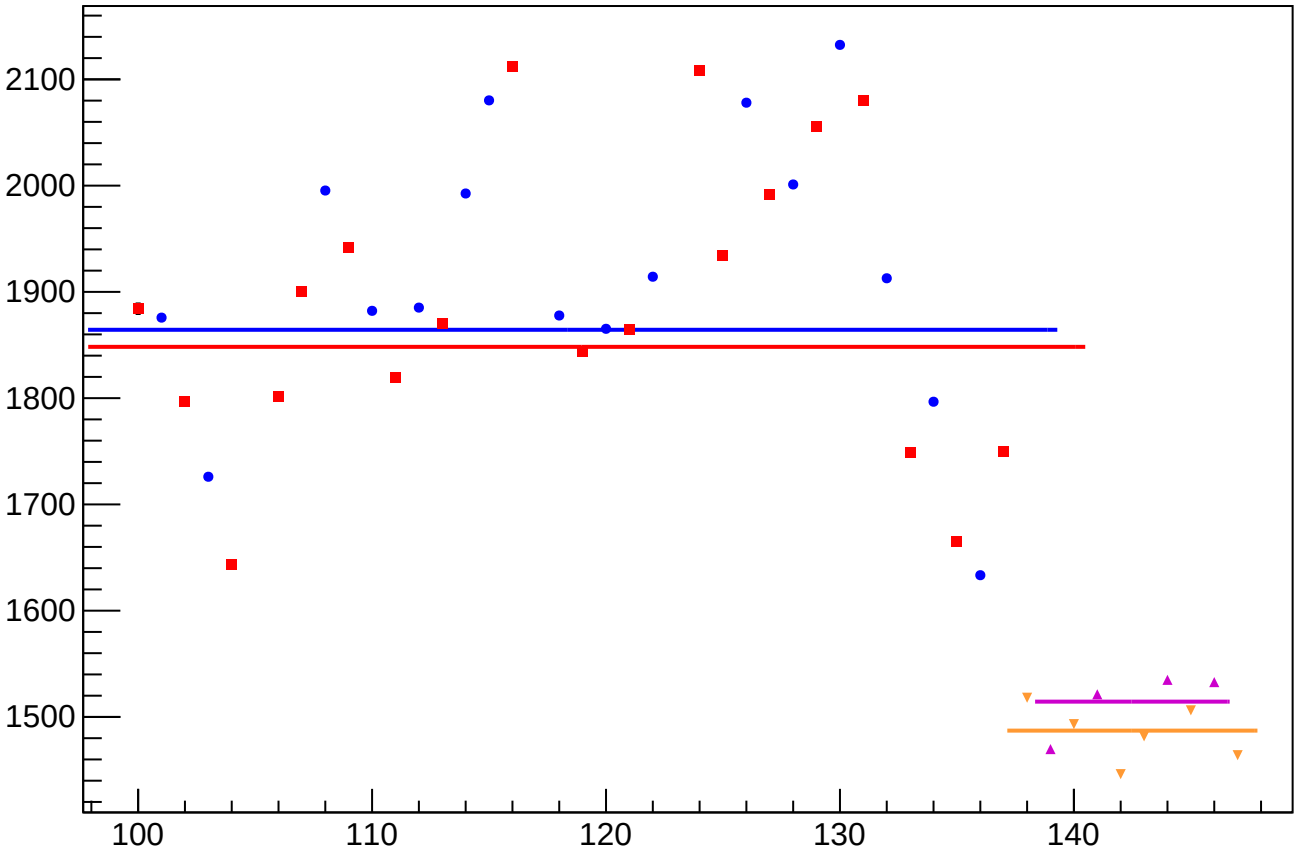
Left: 5.585+/-0.529 χ^2/NDF: 84.1/9

Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 12.625+/-0.527 χ^2/NDF:1082.2/19

Out: 7.624+/-0.486 χ^2/NDF:724.1/24

All: 9.926+/-0.357 χ^2/NDF: 1855.0/44



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1487.132+/-0.495 χ^2/NDF:2078.6/5

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1514.400+/-0.570 χ^2/NDF:2177.7/3

Left: 1498.842+/-0.374 χ^2/NDF: 5560.0/9

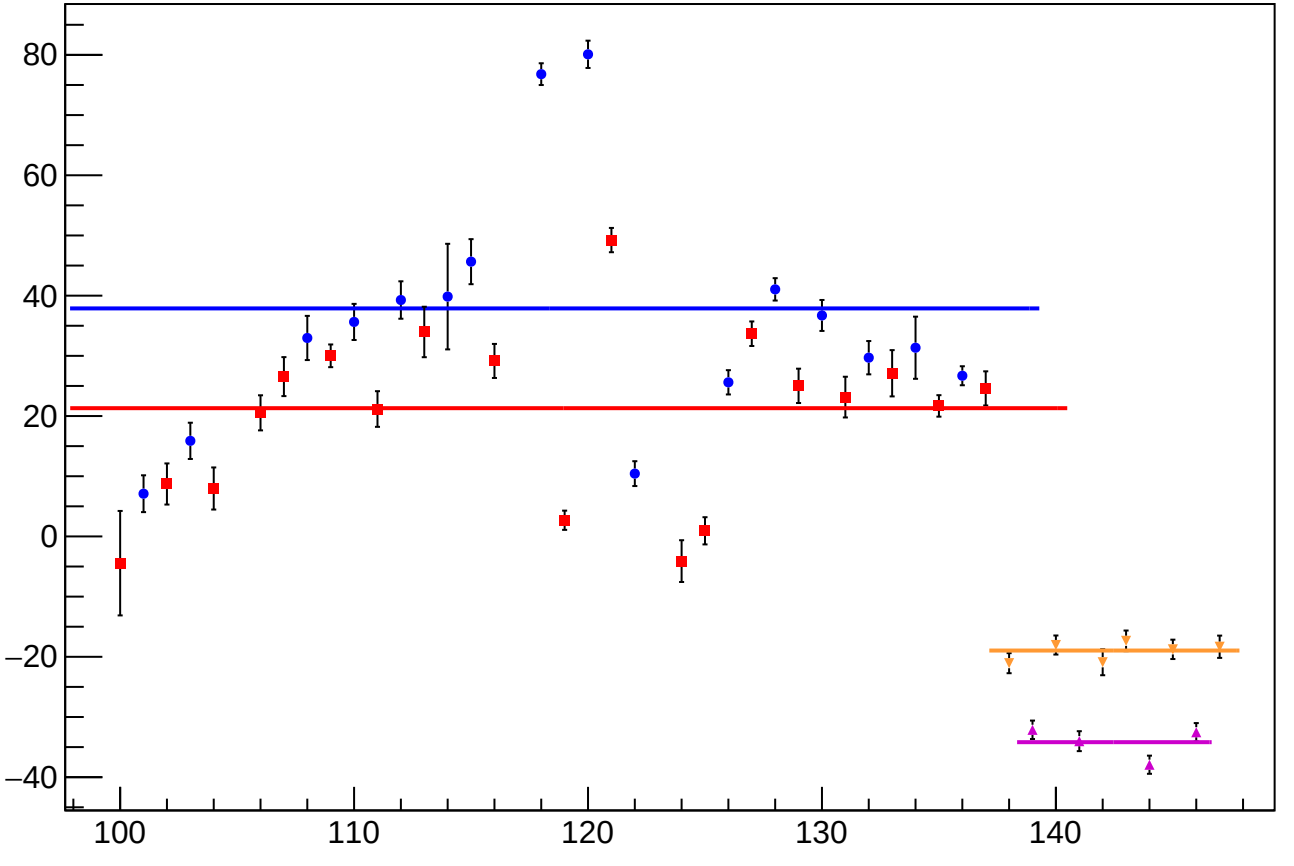
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1715.273+/-0.372 χ^2/NDF:301487.6/19

Out: 1673.913+/-0.344 χ^2/NDF:352440.5/24

All: 1692.953+/-0.253 χ^2/NDF: 660587.3/44

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.958+/-0.708 χ^2/NDF:3.8/5

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -34.182+/-0.776 χ^2/NDF:9.2/3

Left: -25.879+/-0.523 χ^2/NDF: 223.0/9

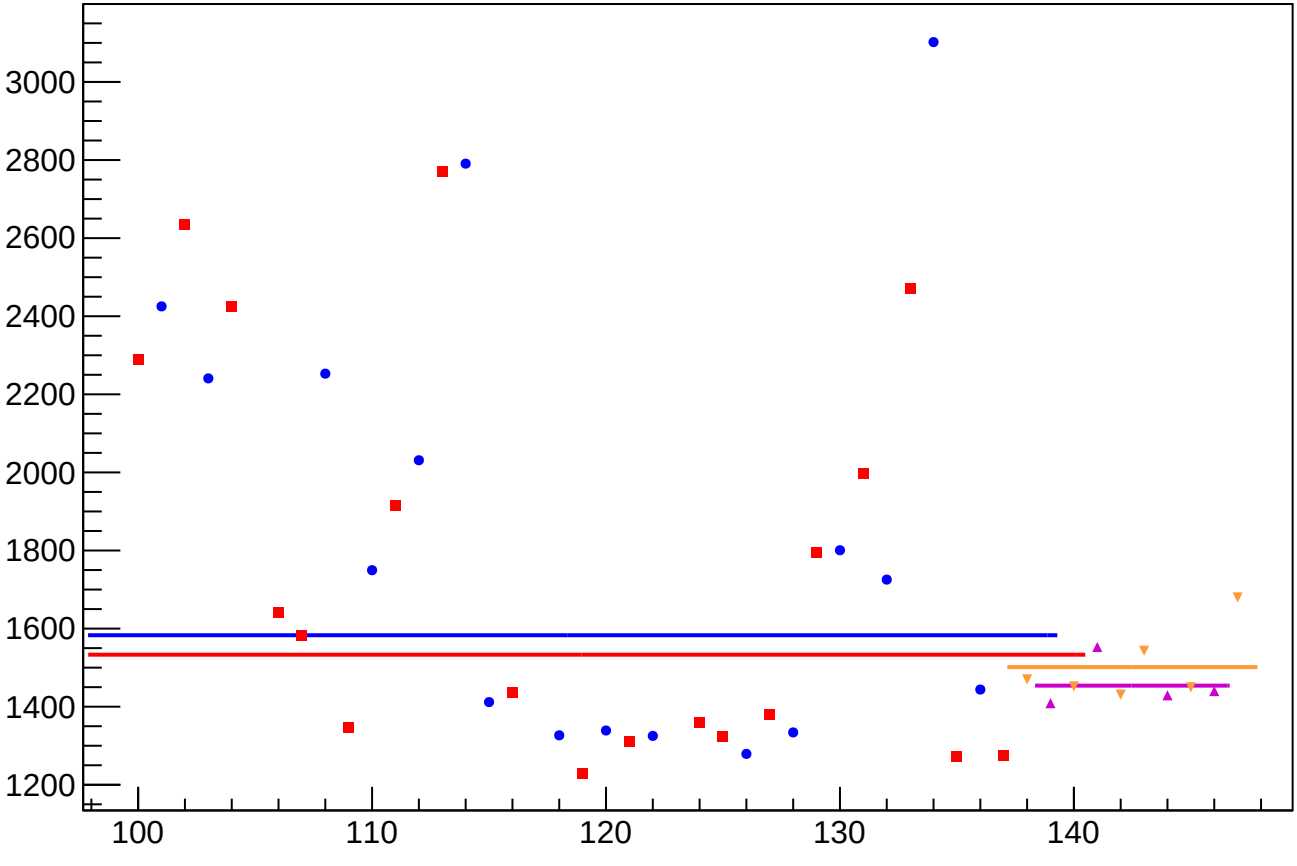
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 9.662+/-0.485 χ^2/NDF:6508.9/19

Out: 4.714+/-0.455 χ^2/NDF:2486.5/24

All: 7.026+/-0.332 χ^2/NDF: 9050.8/44

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1501.438+/-0.501 χ^2/NDF:26662.2/5

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1453.975+/-0.549 χ^2/NDF:9566.6/3

Left: 1479.861+/-0.370 χ^2/NDF: 40312.0/9

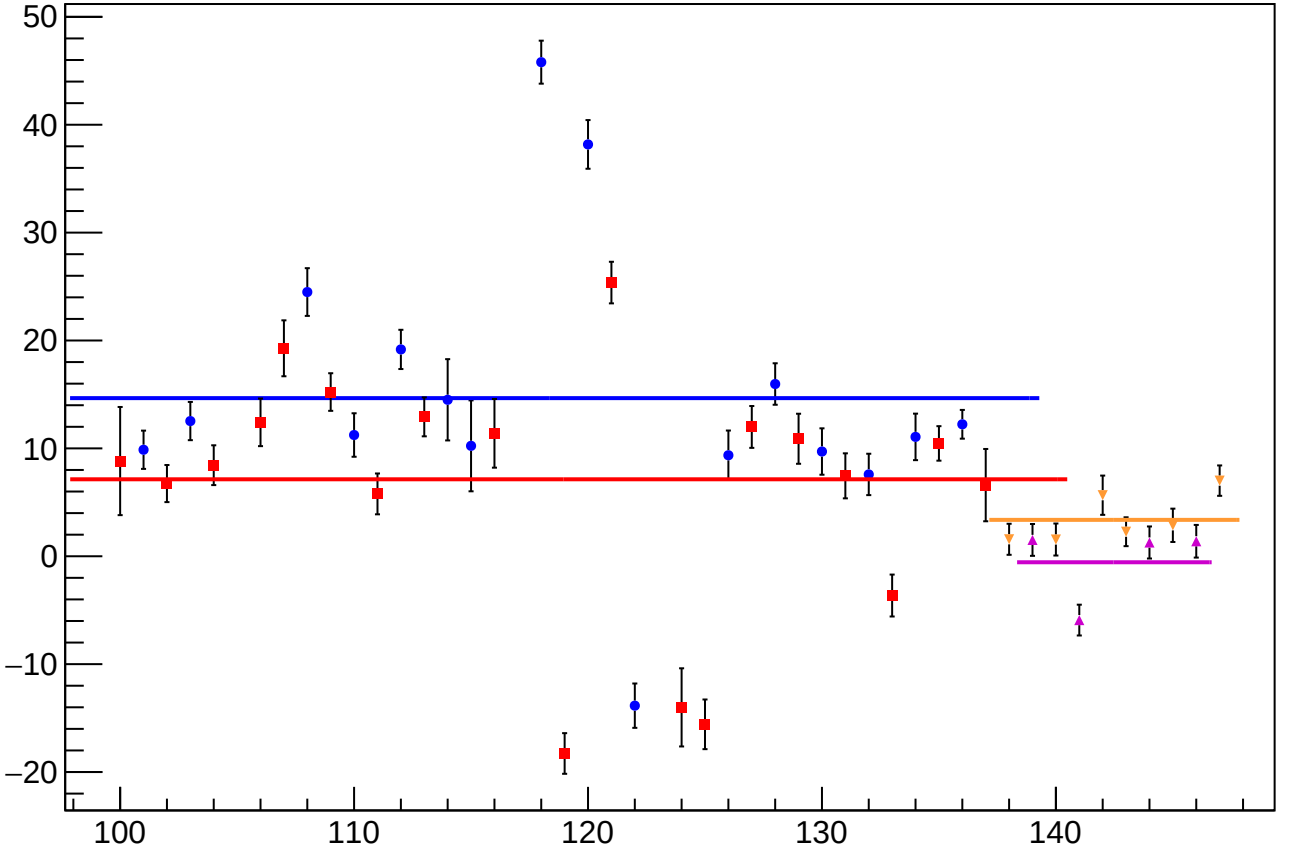
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1532.505+/-0.343 χ^2/NDF:830925.5/19

Out: 1520.106+/-0.321 χ^2/NDF:979802.9/24

All: 1525.900+/-0.235 χ^2/NDF: 1811423.5/44

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.373+/-0.606 χ^2/NDF:12.1/5

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -0.556+/-0.737 χ^2/NDF:19.2/3

Left: 1.789+/-0.468 χ^2/NDF: 48.3/9

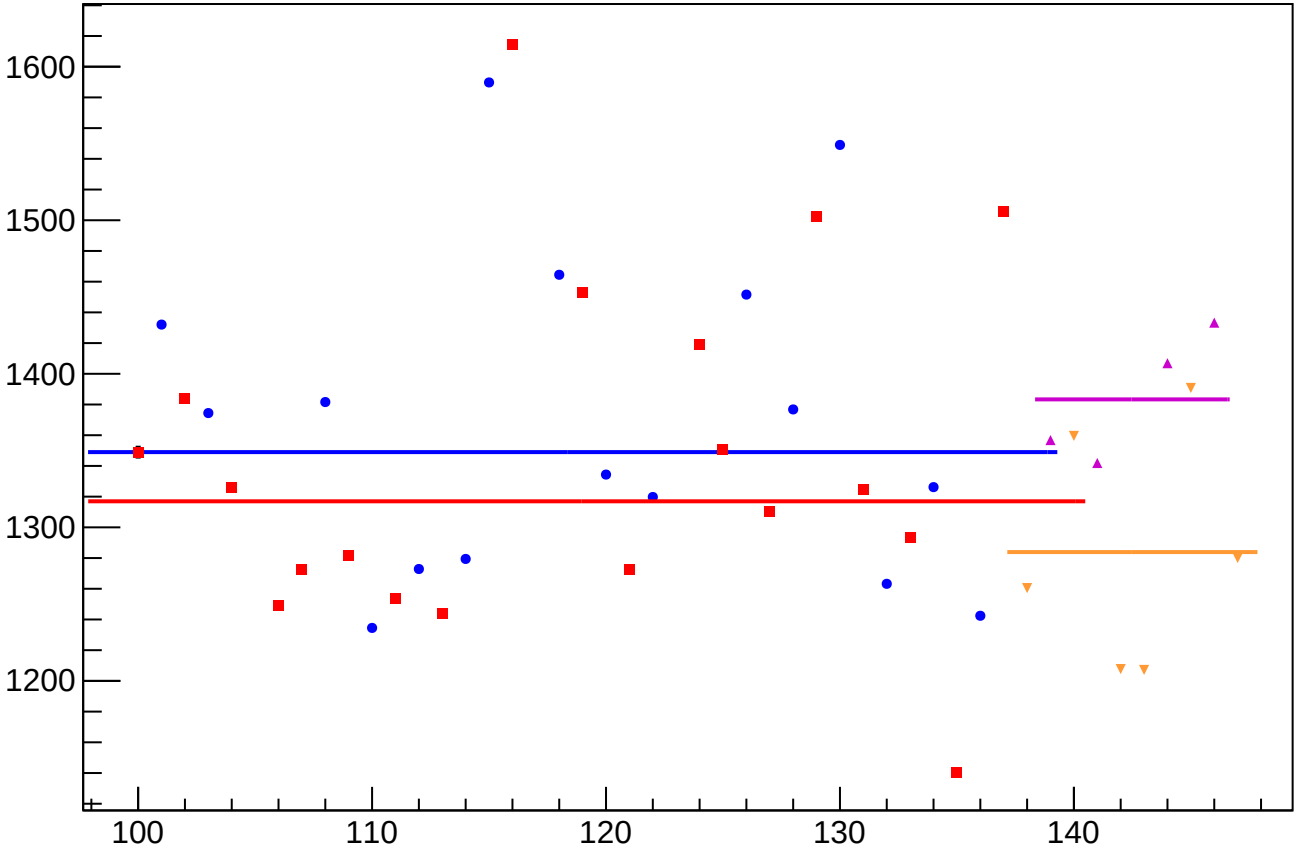
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 9.808+/-0.416 χ^2/NDF:924.0/19

Out: 5.673+/-0.378 χ^2/NDF:545.1/24

All: 7.540+/-0.280 χ^2/NDF: 1523.1/44

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1283.895+/-0.429 χ^2/NDF:25421.1/5

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1383.334+/-0.521 χ^2/NDF:5012.2/3

Left: 1323.986+/-0.331 χ^2/NDF: 52136.0/9

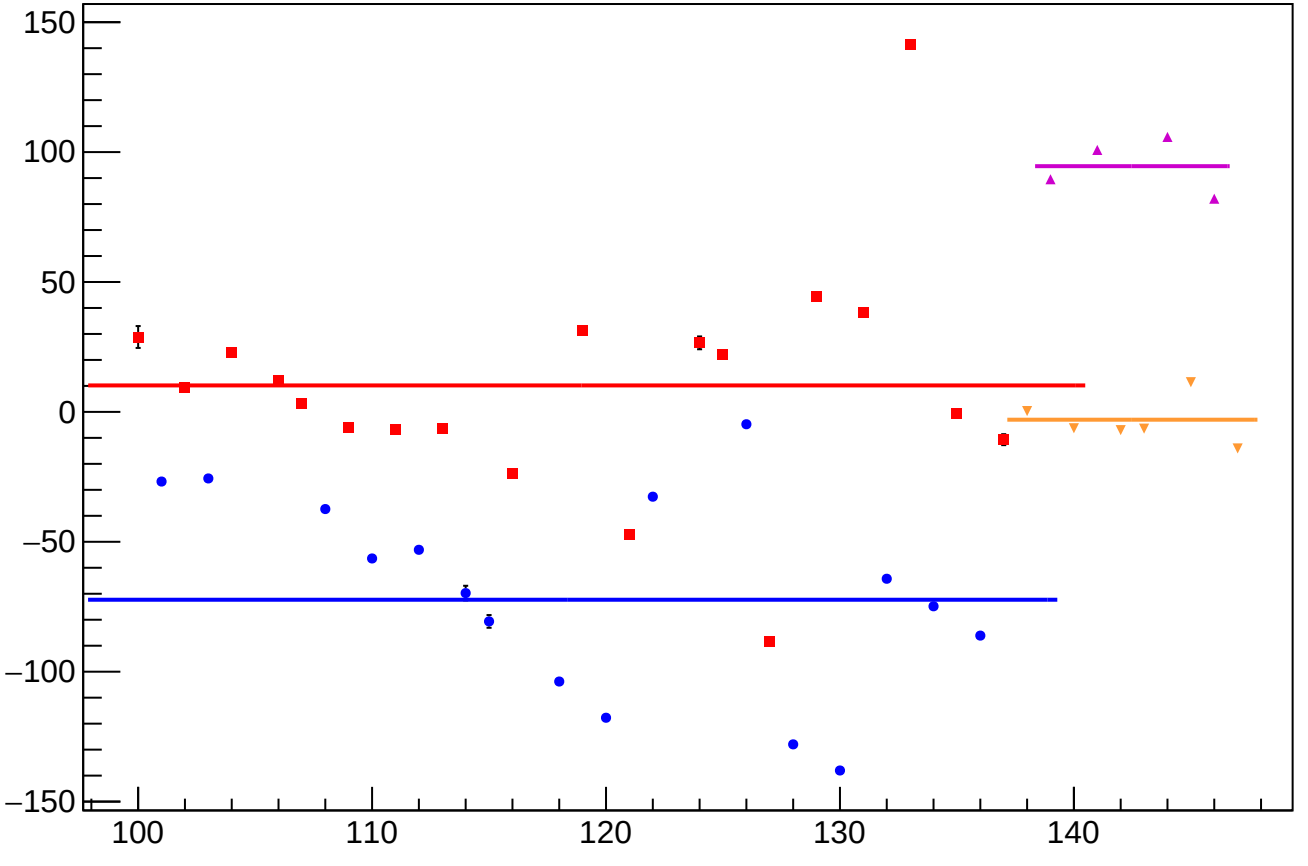
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1359.946+/-0.294 χ^2/NDF:76349.1/19

Out: 1304.113+/-0.267 χ^2/NDF:115934.0/24

All: 1329.325+/-0.198 χ^2/NDF: 212005.0/44

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -3.006+/-0.447 χ^2/NDF:325.8/5

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 94.581+/-0.497 χ^2/NDF:344.5/3

Left: 40.542+/-0.332 χ^2/NDF: 21982.1/9

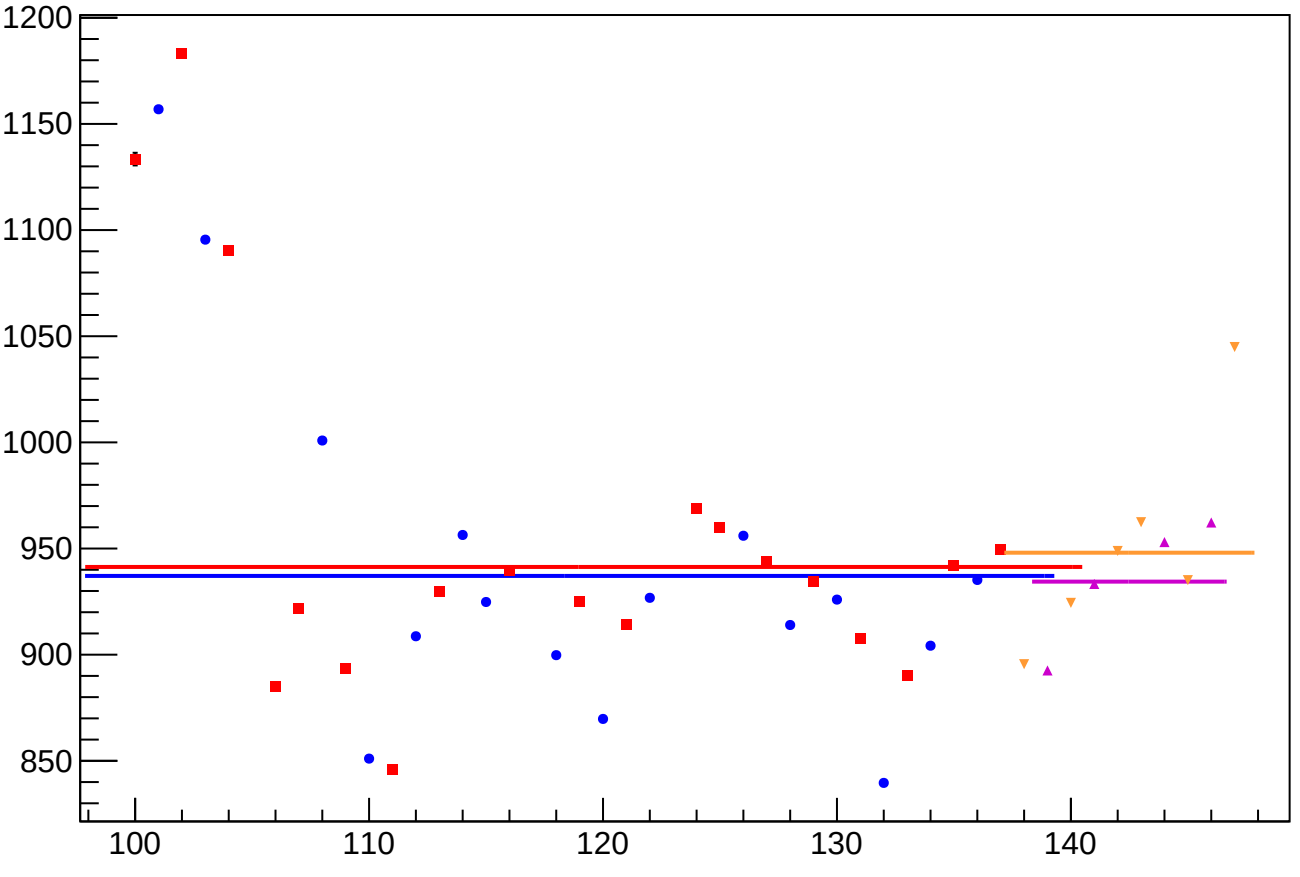
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: -17.158+/-0.286 χ^2/NDF:87859.4/19

Out: 5.265+/-0.273 χ^2/NDF:19918.9/24

All: -5.419+/-0.197 χ^2/NDF: 110997.9/44

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 948.035+/-0.316 χ^2/NDF:21348.7/5

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 934.408+/-0.352 χ^2/NDF:5917.5/3

Left: 941.954+/-0.235 χ^2/NDF: 28097.3/9

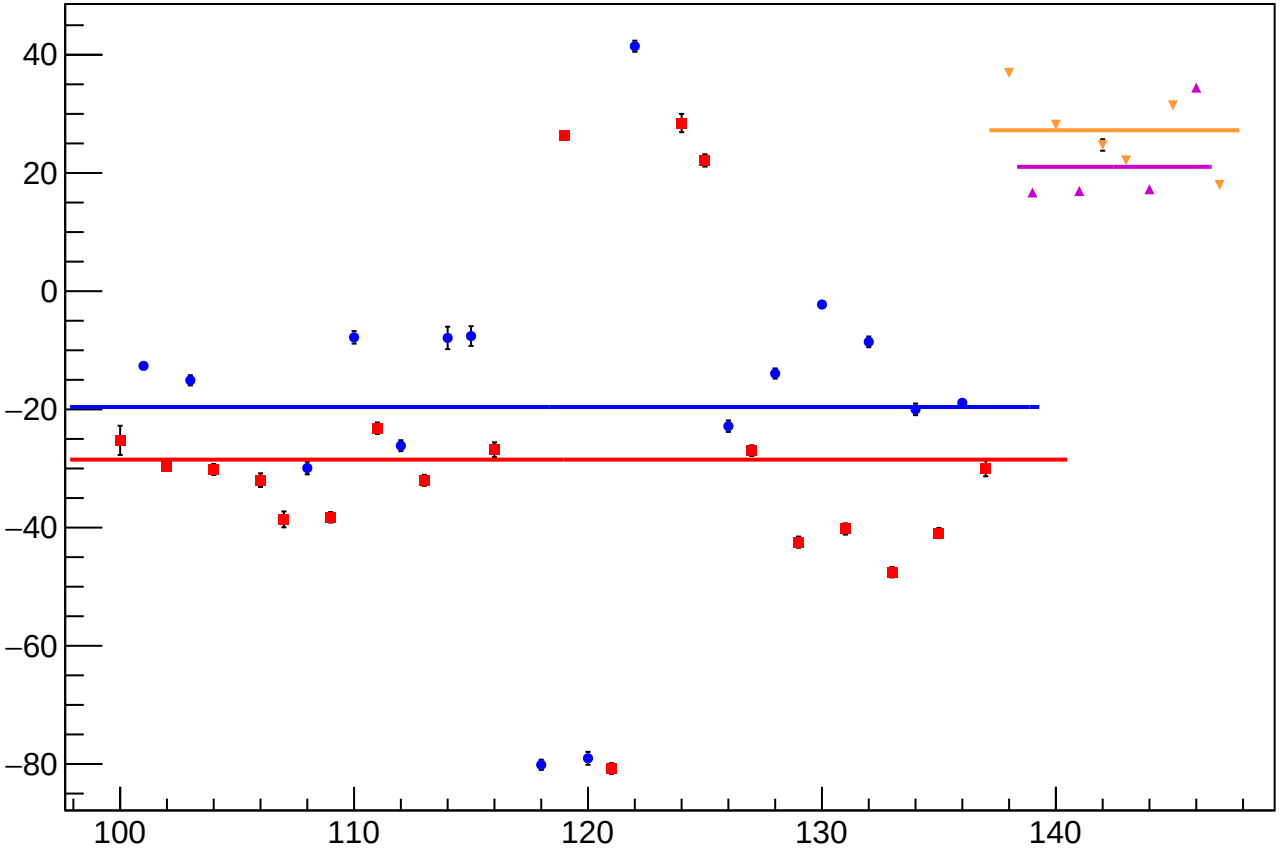
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 936.209+/-0.202 χ^2/NDF:110617.0/19

Out: 943.828+/-0.193 χ^2/NDF:122663.2/24

All: 940.198+/-0.140 χ^2/NDF: 234023.5/44

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 27.234+/-0.306 χ^2/NDF:426.4/5

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 21.040+/-0.349 χ^2/NDF:446.4/3

Left: 24.548+/-0.230 χ^2/NDF: 1050.7/9

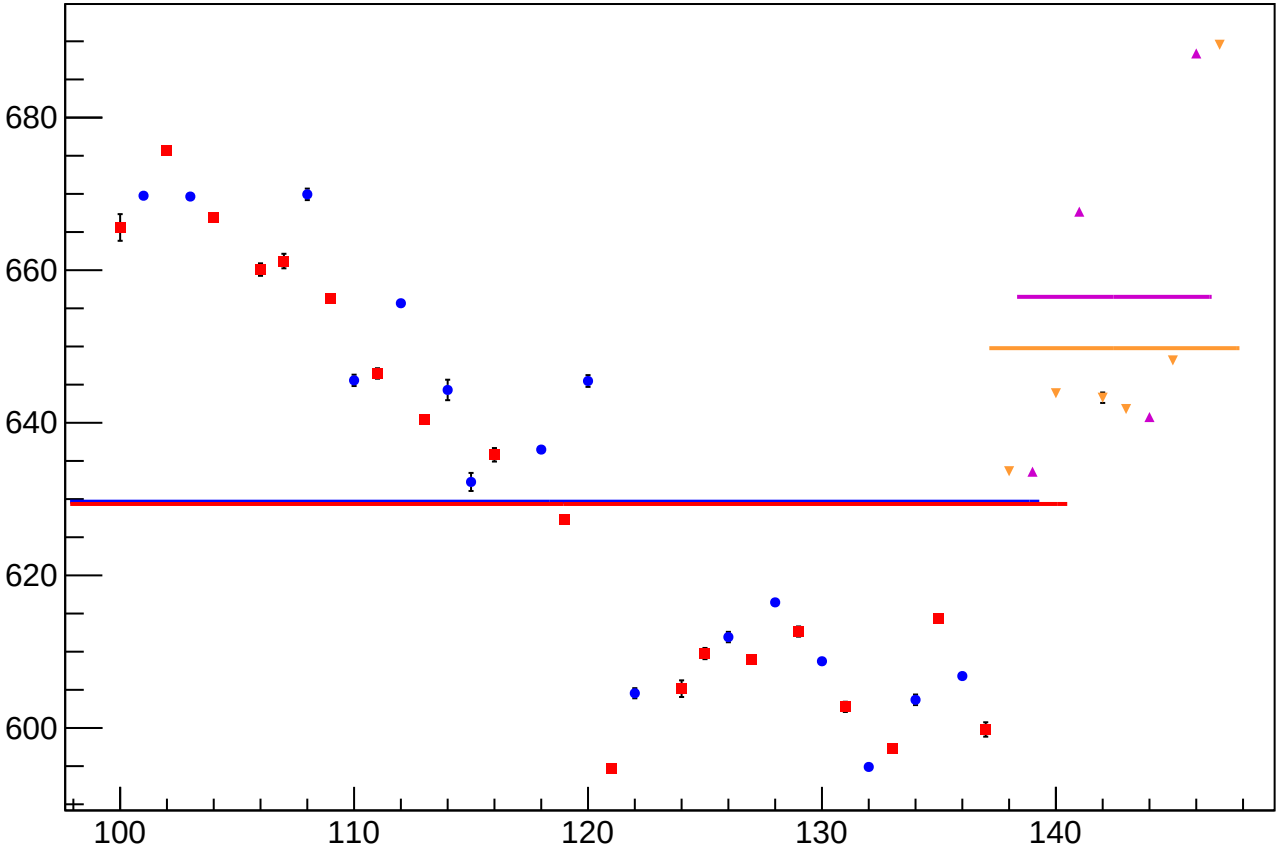
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -7.011+/-0.194 χ^2/NDF:22952.6/19

Out: -8.392+/-0.184 χ^2/NDF:34636.5/24

All: -7.741+/-0.134 χ^2/NDF: 57615.8/44

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 649.780+/-0.216 χ^2/NDF:7008.6/5

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 656.508+/-0.247 χ^2/NDF:7672.0/3

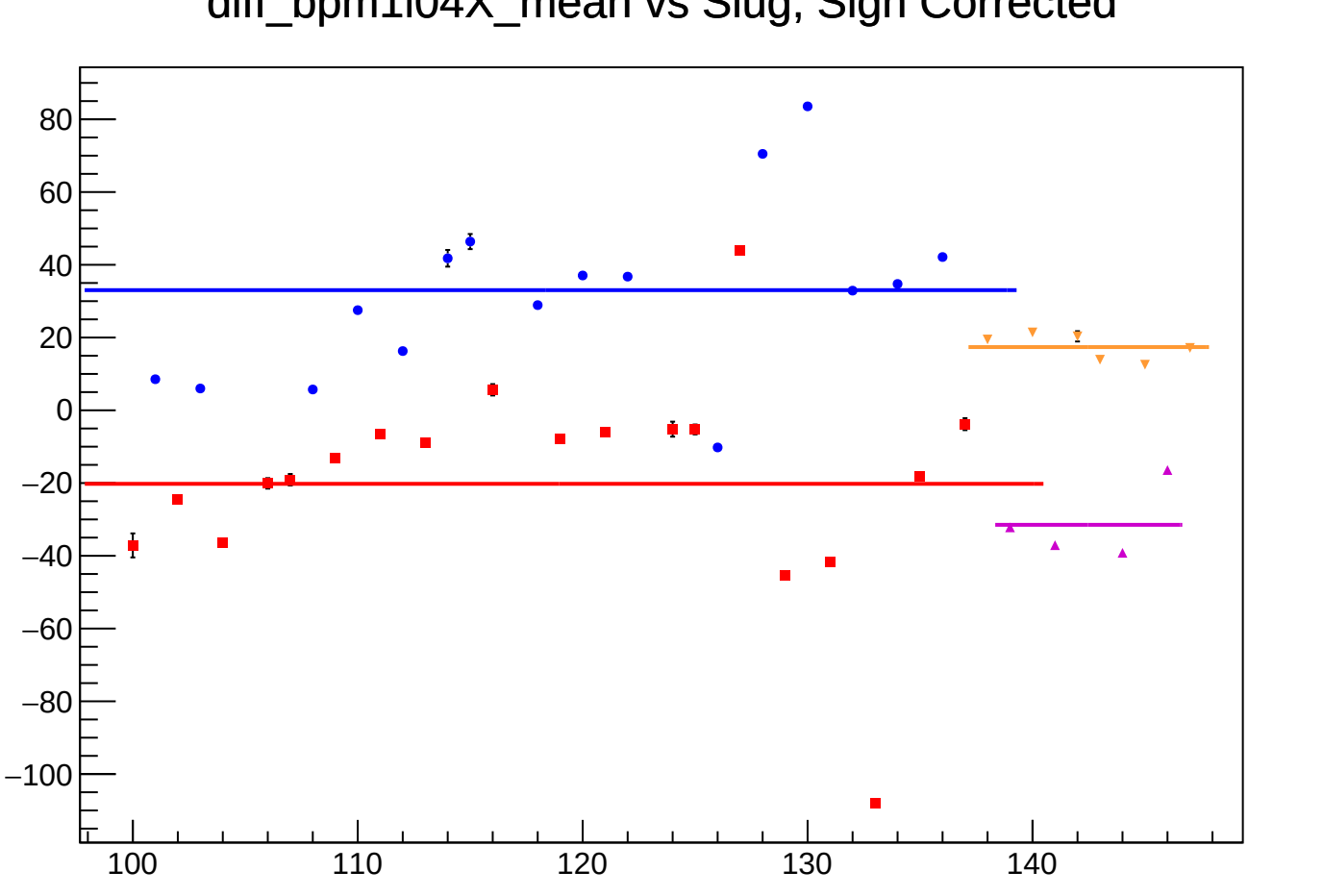
Left: 652.697+/-0.163 χ^2/NDF: 15100.5/9

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

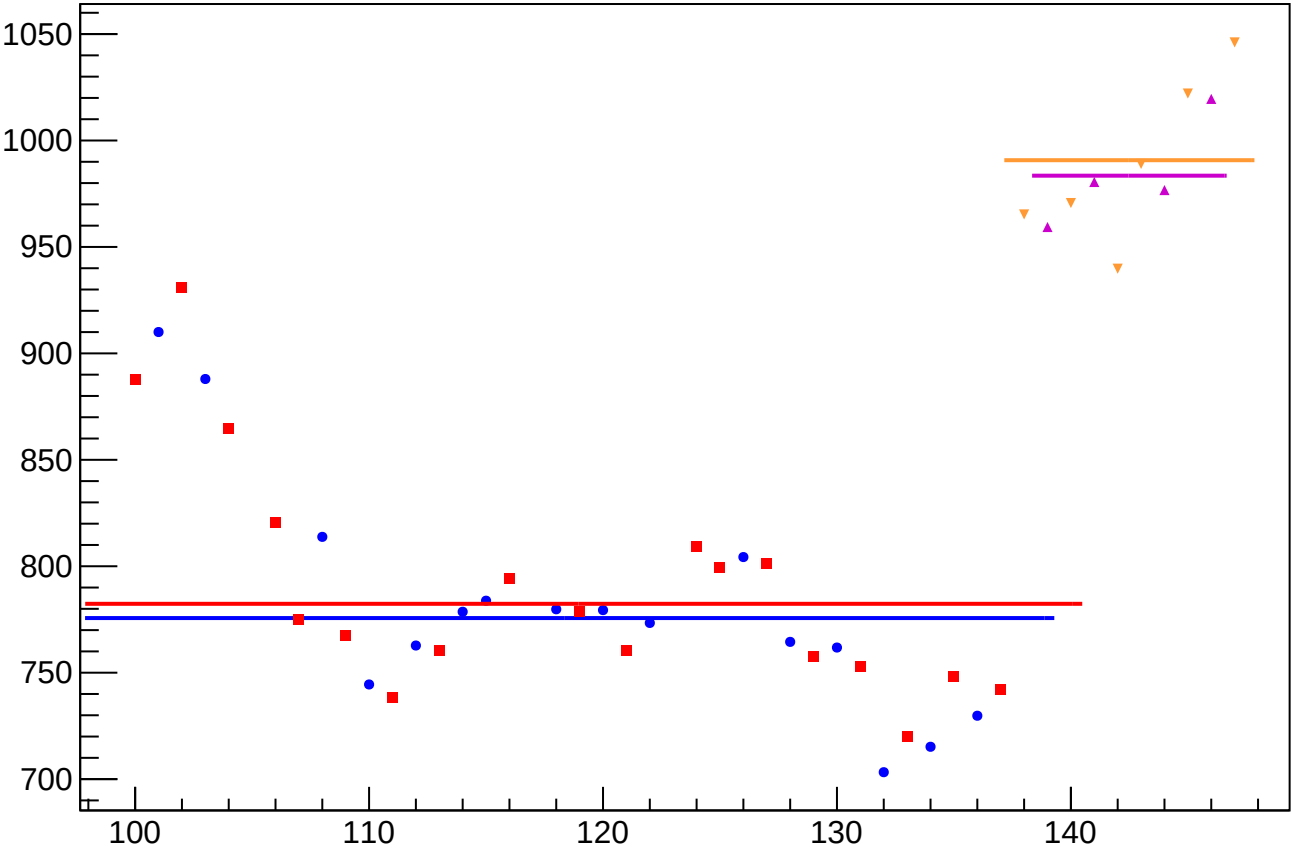
In: 637.975+/-0.138 χ^2/NDF:41137.5/19

Out: 636.727+/-0.130 χ^2/NDF:39502.0/24

All: 637.315+/-0.094 χ^2/NDF: 80683.1/44


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
Right In: 33.033+/-0.289 χ²/NDF: 6700.1/15
Left Out: 17.378+/-0.466 χ²/NDF:50.8/5
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -31.481+/-0.524 χ²/NDF:281.6/3
Left: -4.242+/-0.348 χ²/NDF: 5187.7/9
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 17.974+/-0.253 χ²/NDF:18621.3/19
Out: -9.945+/-0.244 χ²/NDF:16641.8/24
All: 3.499+/-0.176 χ²/NDF: 41579.1/44

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 990.747+/-0.330 χ^2/NDF:10558.9/5

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 983.476+/-0.370 χ^2/NDF:3425.9/3

Left: 987.529+/-0.246 χ^2/NDF: 14199.8/9

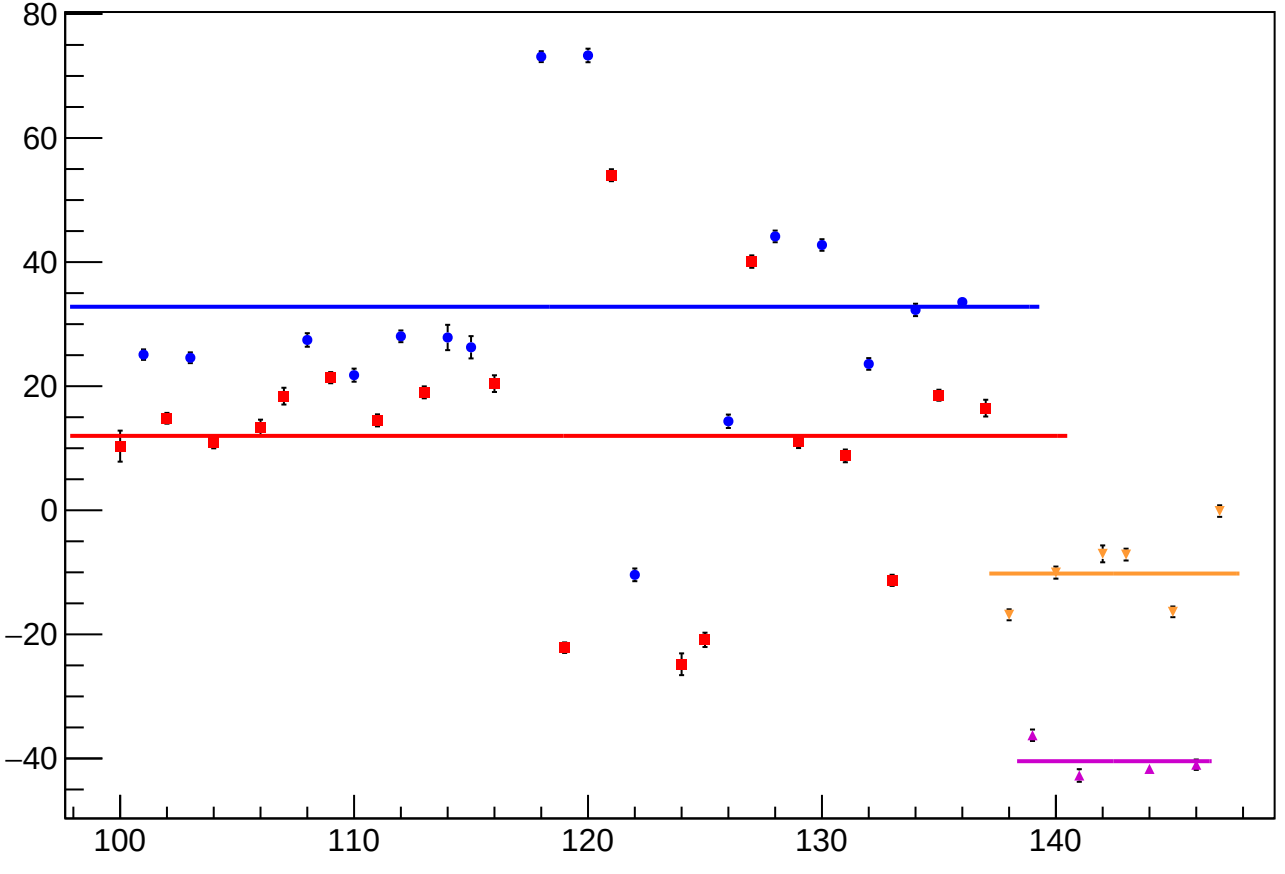
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 824.172+/-0.179 χ^2/NDF:319632.2/19

Out: 839.287+/-0.172 χ^2/NDF:365280.9/24

All: 832.008+/-0.124 χ^2/NDF: 688615.1/44

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -10.196+/-0.393 χ^2/NDF:240.0/5

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -40.441+/-0.443 χ^2/NDF:28.5/3

Left: -23.534+/-0.294 χ^2/NDF: 2875.7/9

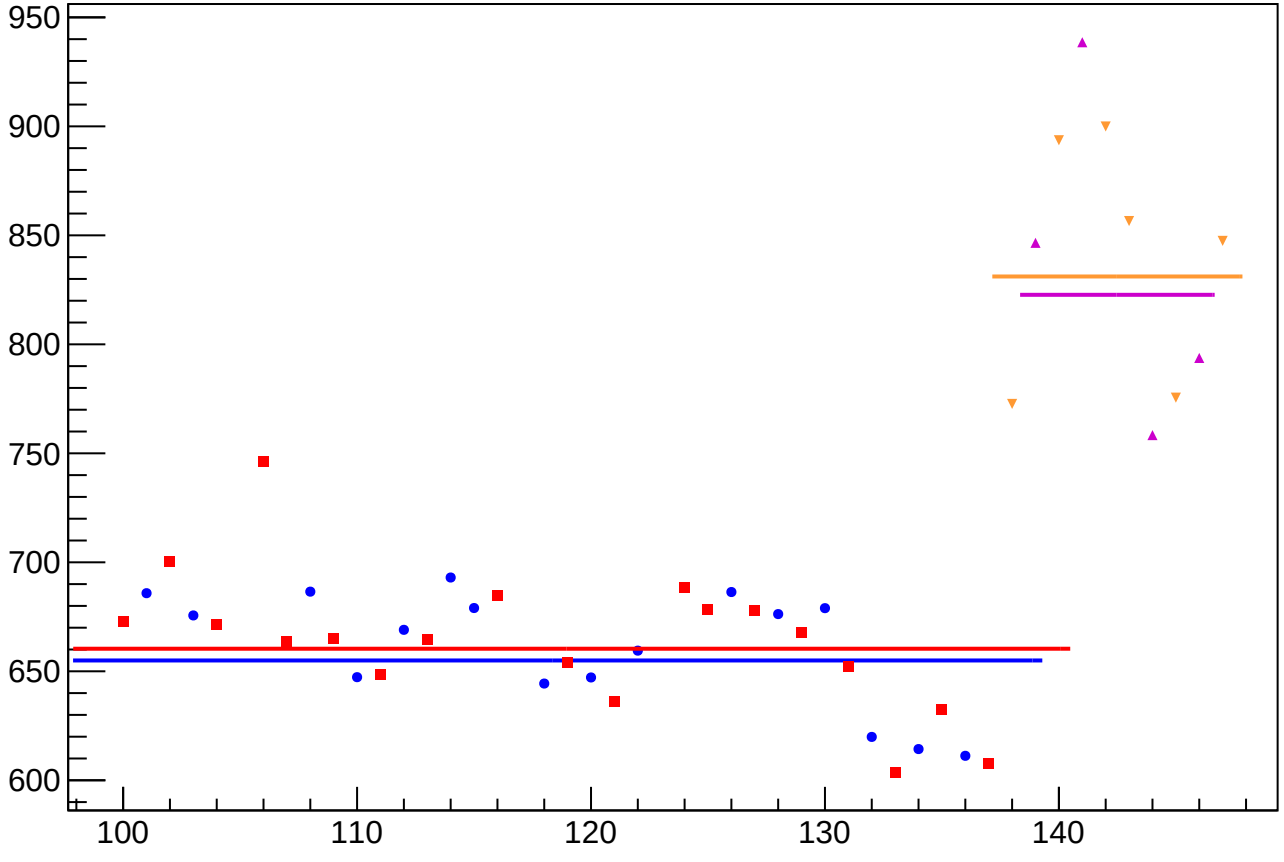
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 15.798+/-0.213 χ^2/NDF:27291.5/19

Out: 5.933+/-0.206 χ^2/NDF:9112.9/24

All: 10.682+/-0.148 χ^2/NDF: 37513.0/44

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 831.124+/-0.278 χ^2/NDF:32415.9/5

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 822.715+/-0.313 χ^2/NDF:42284.5/3

Left: 827.416+/-0.208 χ^2/NDF: 75103.6/9

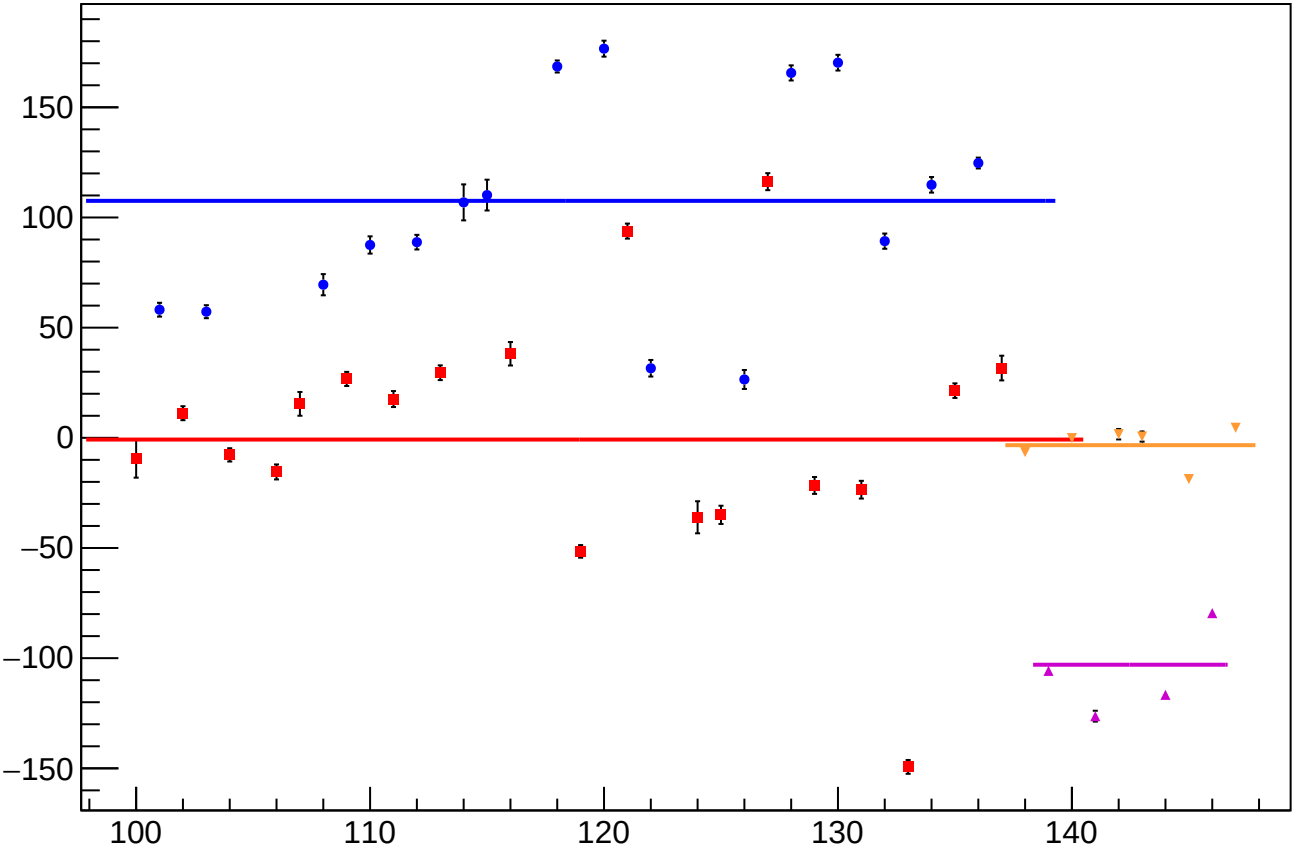
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 693.915+/-0.151 χ^2/NDF:289359.8/19

Out: 706.998+/-0.145 χ^2/NDF:336828.2/24

All: 700.701+/-0.105 χ^2/NDF: 630087.3/44

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: -3.336+/-0.868 χ^2/NDF:91.1/5

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -102.982+/-0.954 χ^2/NDF:358.4/3

Left: -48.435+/-0.642 χ^2/NDF: 6417.0/9

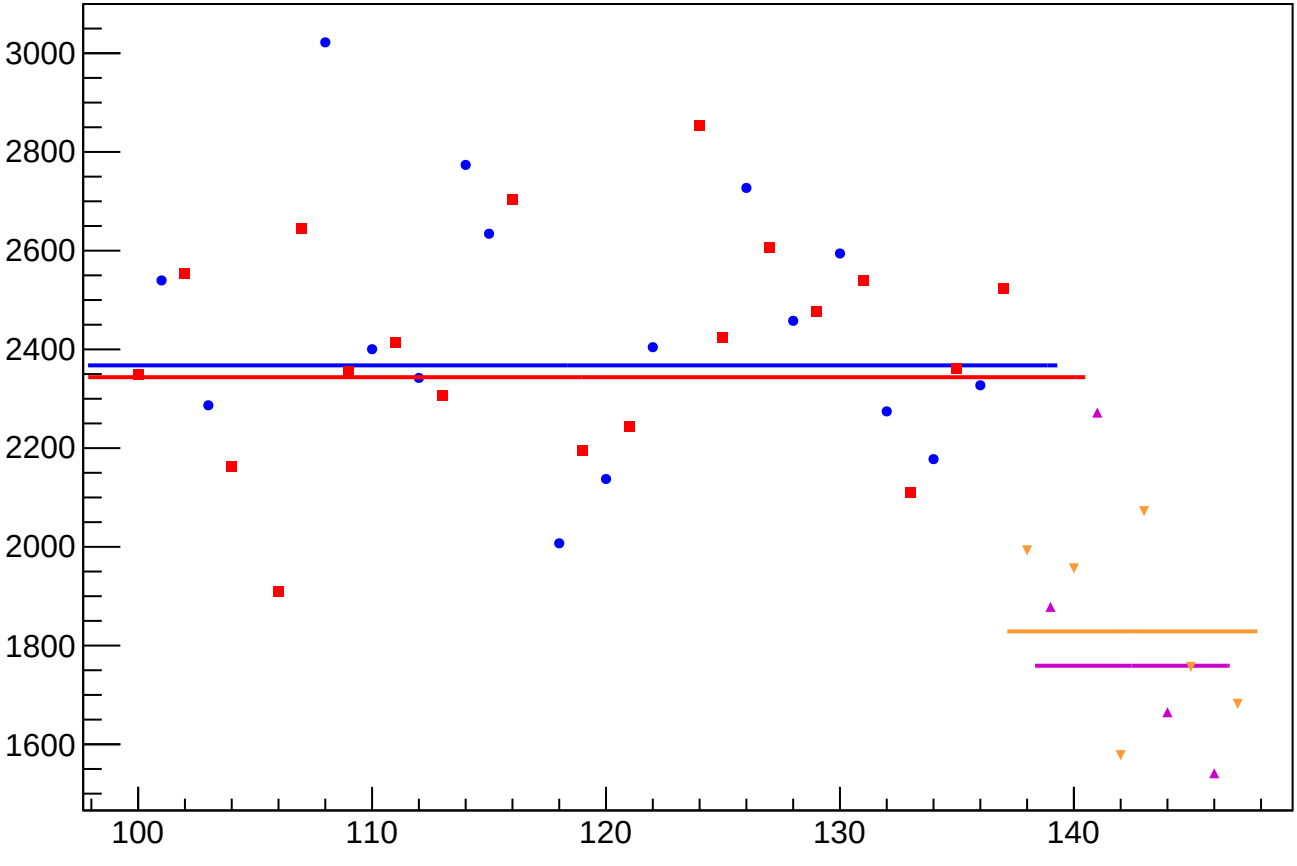
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: 10.172+/-0.649 χ^2/NDF:29468.8/19

Out: -2.052+/-0.611 χ^2/NDF:4859.3/24

All: 3.693+/-0.445 χ^2/NDF: 34516.1/44

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1828.713+/-0.614 χ^2/NDF:77499.7/5

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1759.155+/-0.675 χ^2/NDF:134721.3/3

Left: 1797.232+/-0.454 χ^2/NDF: 218036.8/9

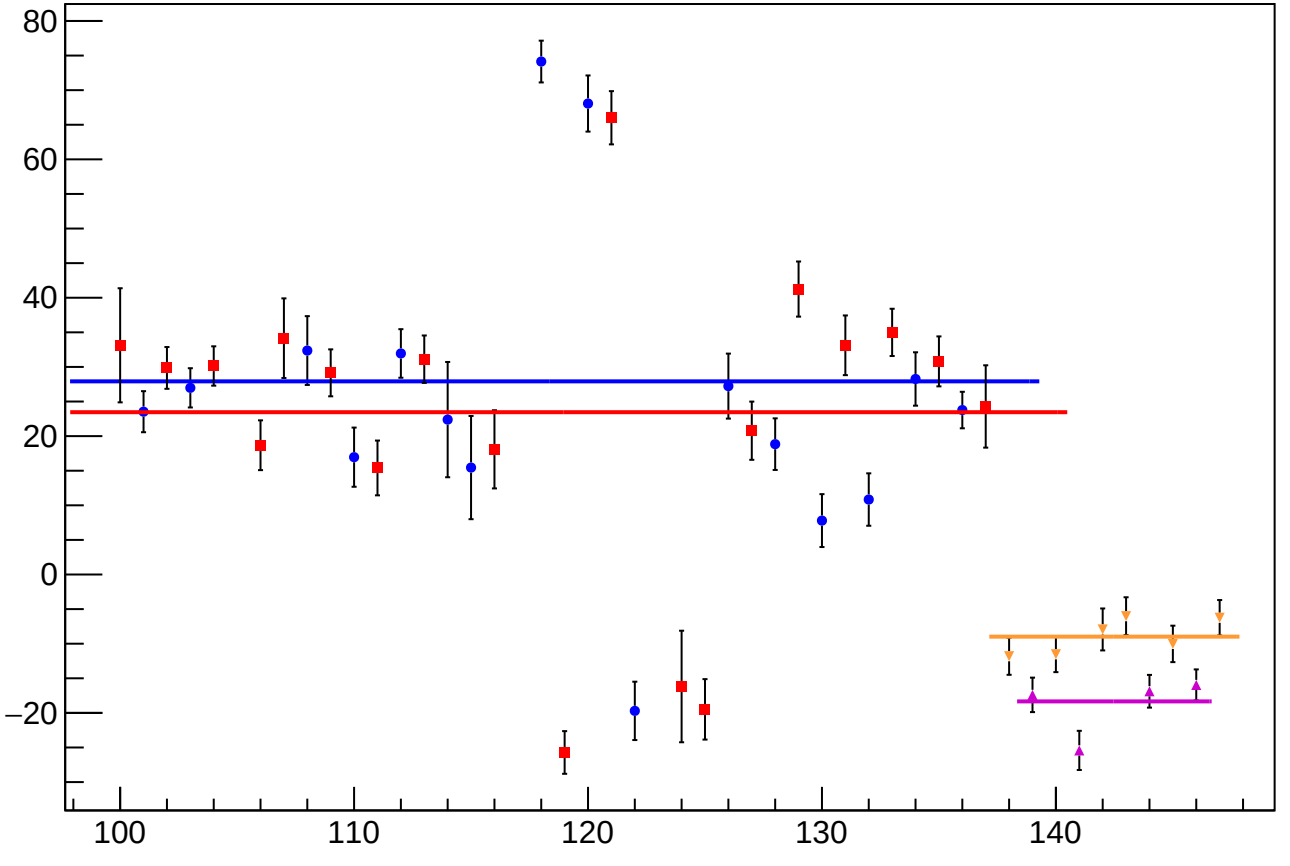
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2086.195+/-0.459 χ^2/NDF:698443.7/19

Out: 2088.284+/-0.432 χ^2/NDF:544799.5/24

All: 2087.302+/-0.315 χ^2/NDF: 1243254.2/44

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.980+/-1.099 χ^2/NDF:4.7/5

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -18.338+/-1.228 χ^2/NDF:7.9/3

Left: -13.142+/-0.819 χ^2/NDF: 44.8/9

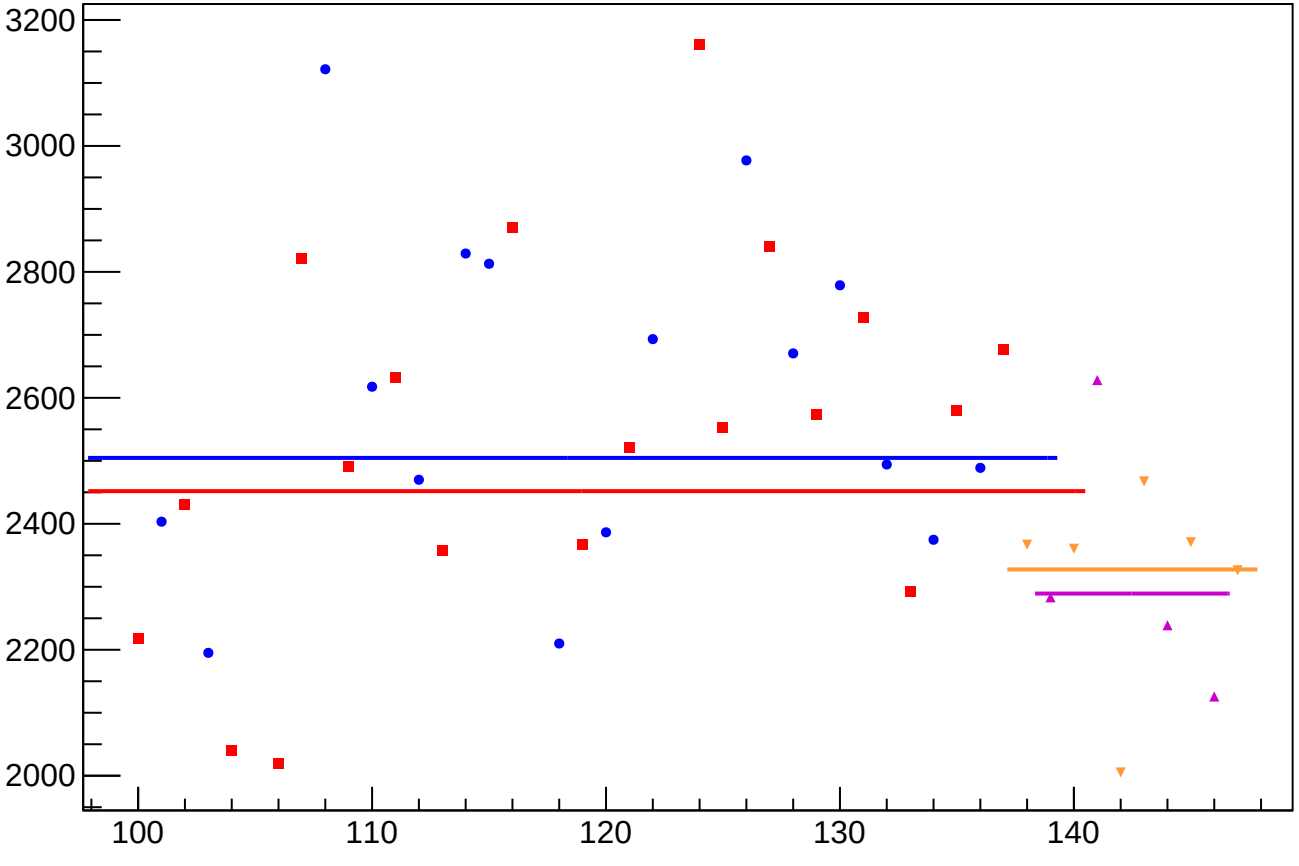
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 10.902+/-0.745 χ^2/NDF:1435.5/19

Out: 10.393+/-0.698 χ^2/NDF:1092.7/24

All: 10.630+/-0.509 χ^2/NDF: 2528.4/44

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2327.567+/-0.777 χ^2/NDF:29139.9/5

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2289.246+/-0.868 χ^2/NDF:40234.8/3

Left: 2310.523+/-0.579 χ^2/NDF: 70456.0/9

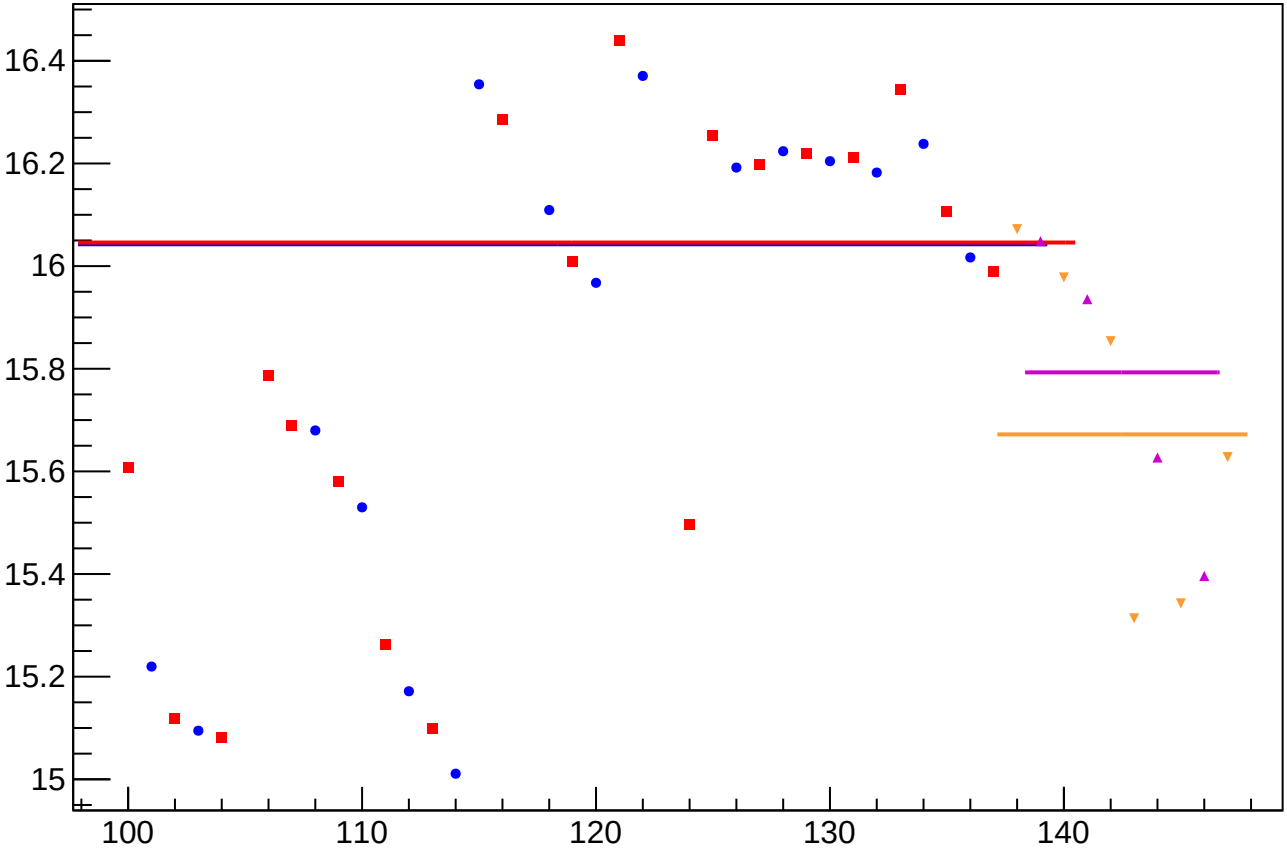
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2425.417+/-0.527 χ^2/NDF:205734.9/19

Out: 2401.811+/-0.493 χ^2/NDF:197656.1/24

All: 2412.841+/-0.360 χ^2/NDF: 404461.3/44

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.672+/-0.000 χ^2/NDF:4243597580.2/5

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.793+/-0.000 χ^2/NDF:1472343003.6/3

Left: 15.722+/-0.000 χ^2/NDF: 5958648807.0/9

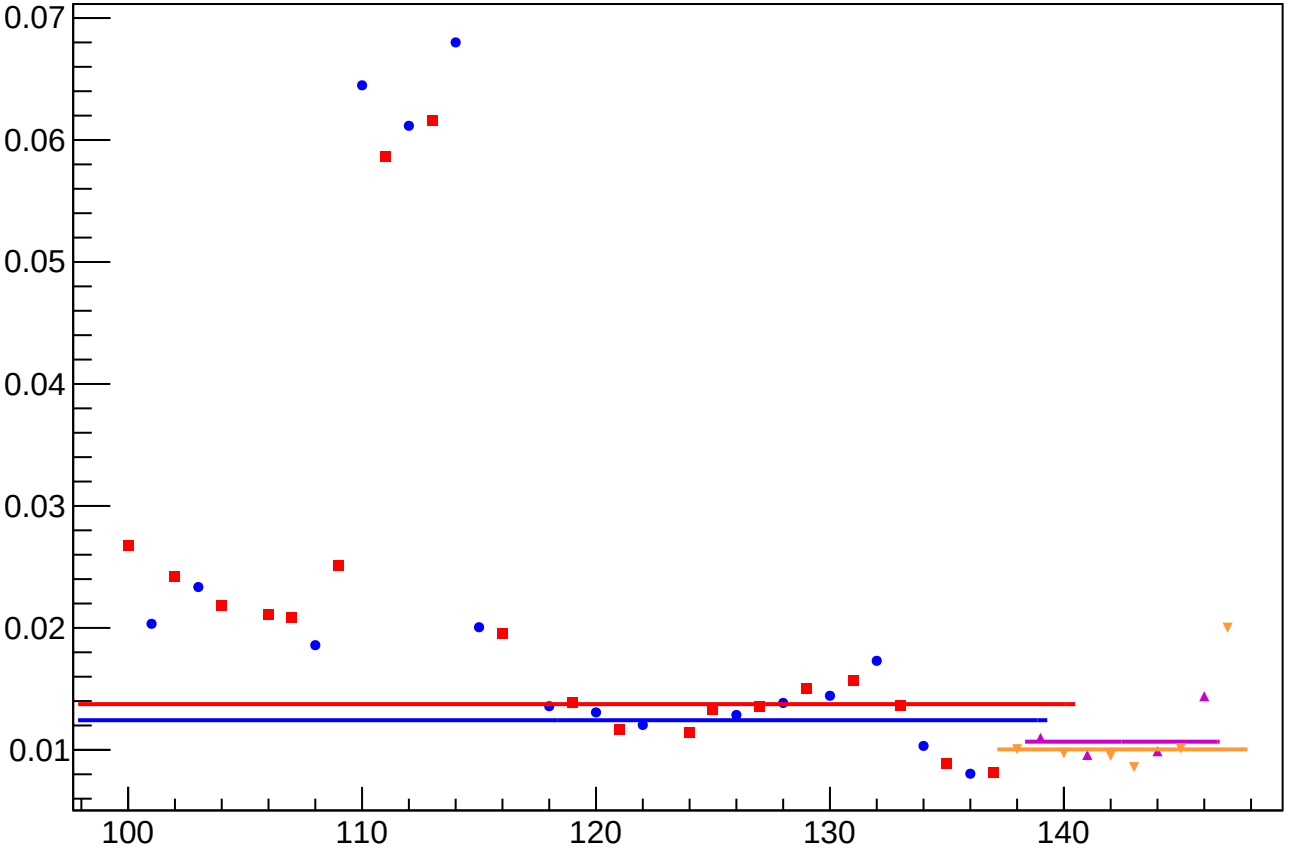
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.932+/-0.000 χ^2/NDF:5296504500.2/19

Out: 15.832+/-0.000 χ^2/NDF:10200010475.1/24

All: 15.880+/-0.000 χ^2/NDF: 15829422735.9

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:445740.5/5

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:141477.0/3

Left: 0.010+/-0.000 χ^2/NDF: 600577.1/9

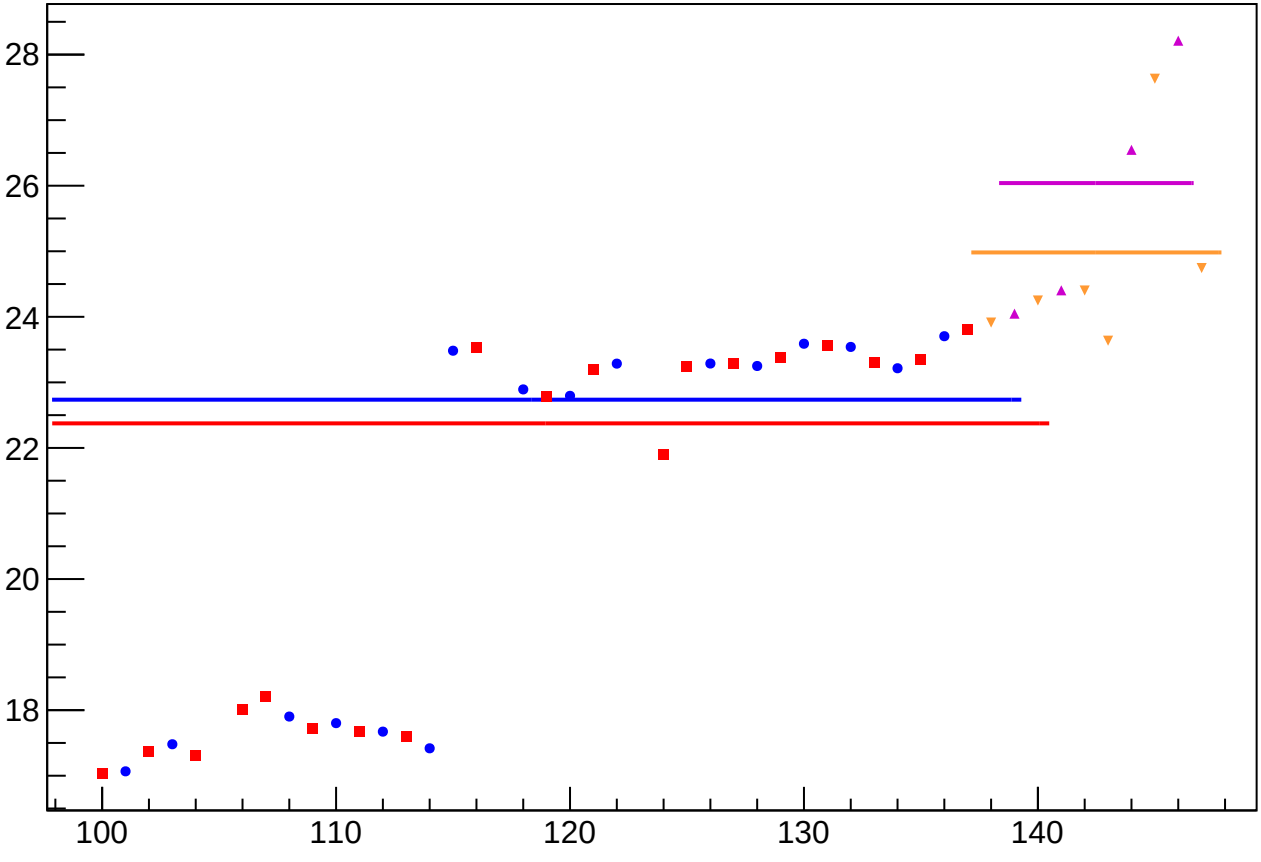
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2556069.3/19

Out: 0.012+/-0.000 χ^2/NDF:3150234.3/24

All: 0.012+/-0.000 χ^2/NDF: 5706342.6/44

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.982+/-0.000 χ^2/NDF:760059179.1/5

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.040+/-0.000 χ^2/NDF:526630200.9/3

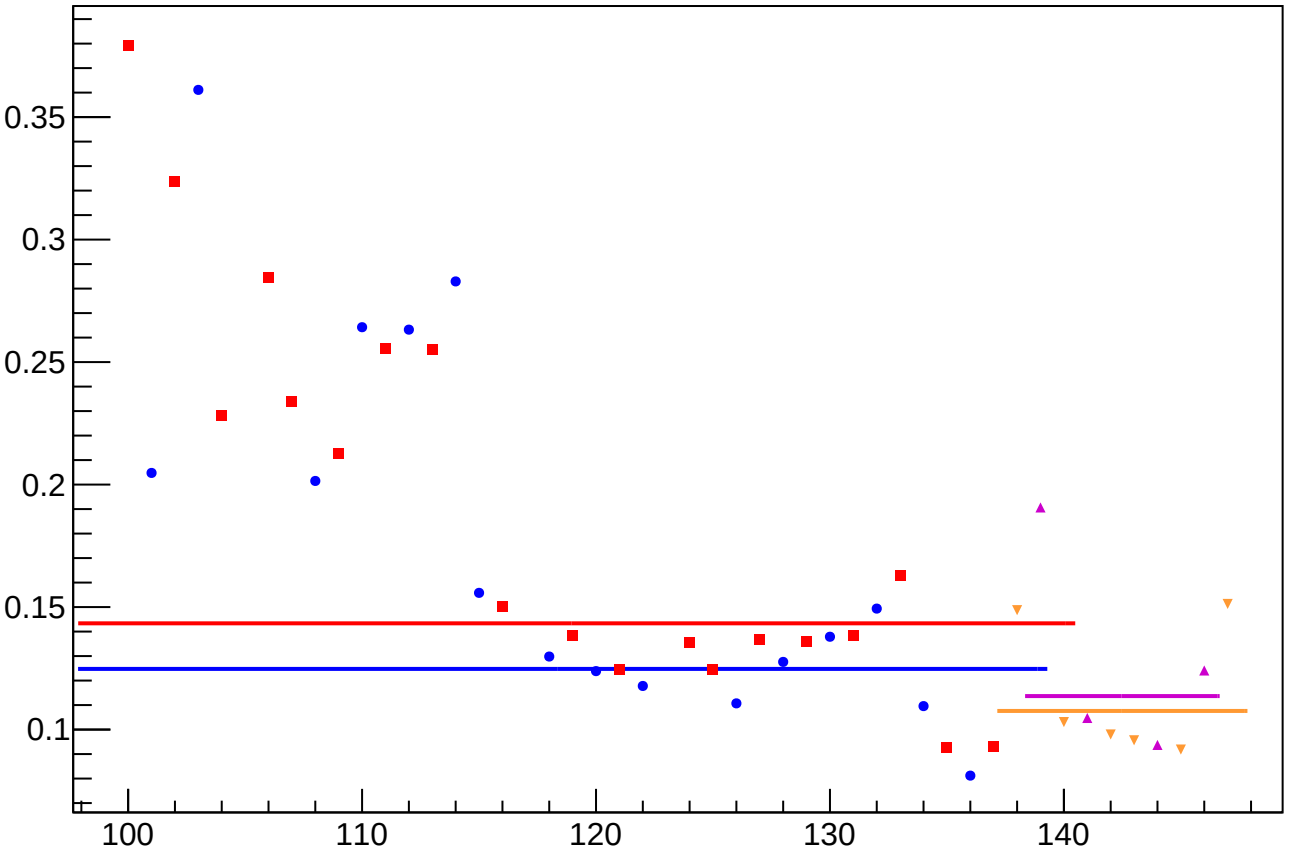
Left: 25.424+/-0.000 χ^2/NDF: 1433318521.3/9

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.044+/-0.000 χ^2/NDF:3231604320.7/19

Out: 23.753+/-0.000 χ^2/NDF:2980302431.1/24

All: 23.895+/-0.000 χ^2/NDF: 6236409585.8/4



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.108+/-0.000 χ^2/NDF:300672.0/5

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.114+/-0.000 χ^2/NDF:363027.9/3

Left: 0.110+/-0.000 χ^2/NDF: 673347.3/9

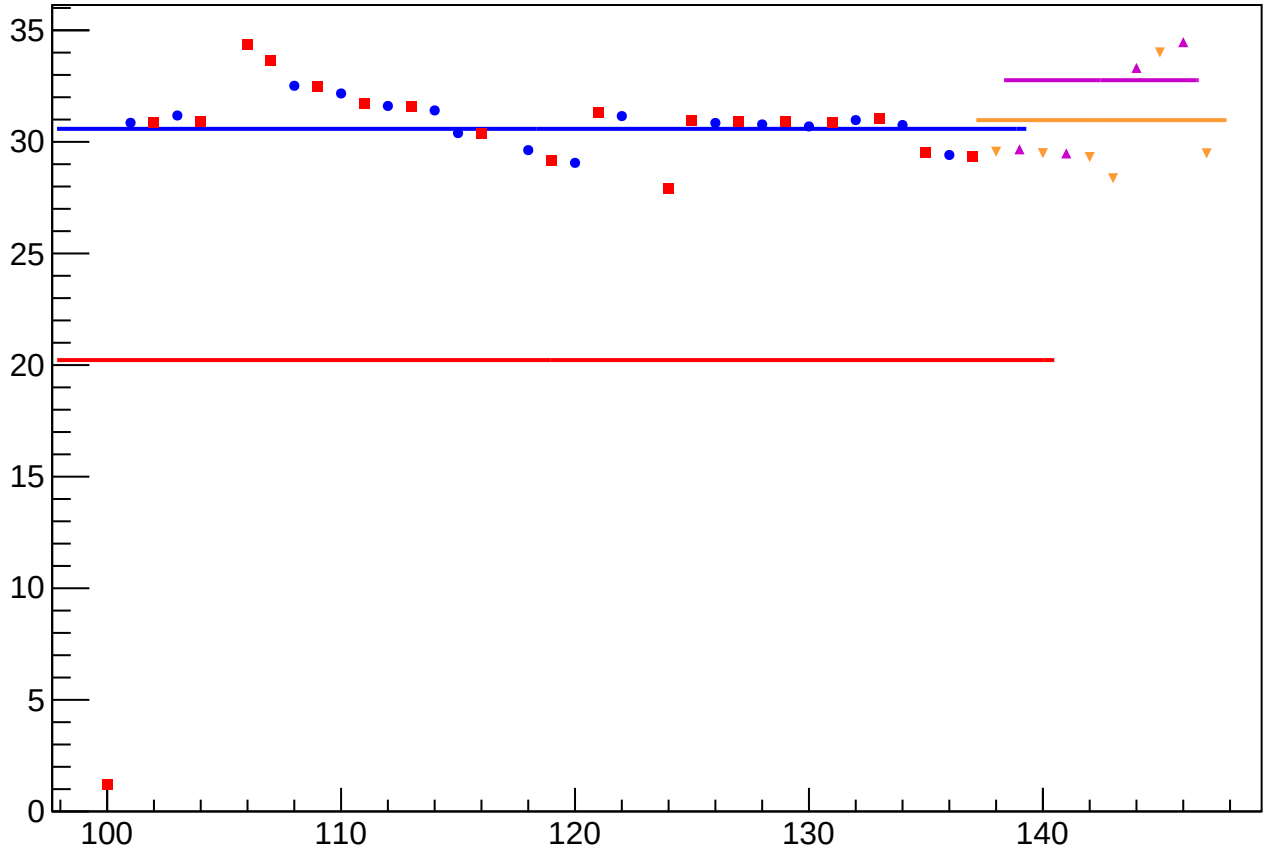
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.120+/-0.000 χ^2/NDF:2146295.7/19

Out: 0.124+/-0.000 χ^2/NDF:2248807.1/24

All: 0.122+/-0.000 χ^2/NDF: 4404804.5/44

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.975+/-0.000 χ^2/NDF:4225604463.8/5

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 32.763+/-0.000 χ^2/NDF:2625661433.0/3

Left: 31.835+/-0.000 χ^2/NDF: 8006603763.7/9

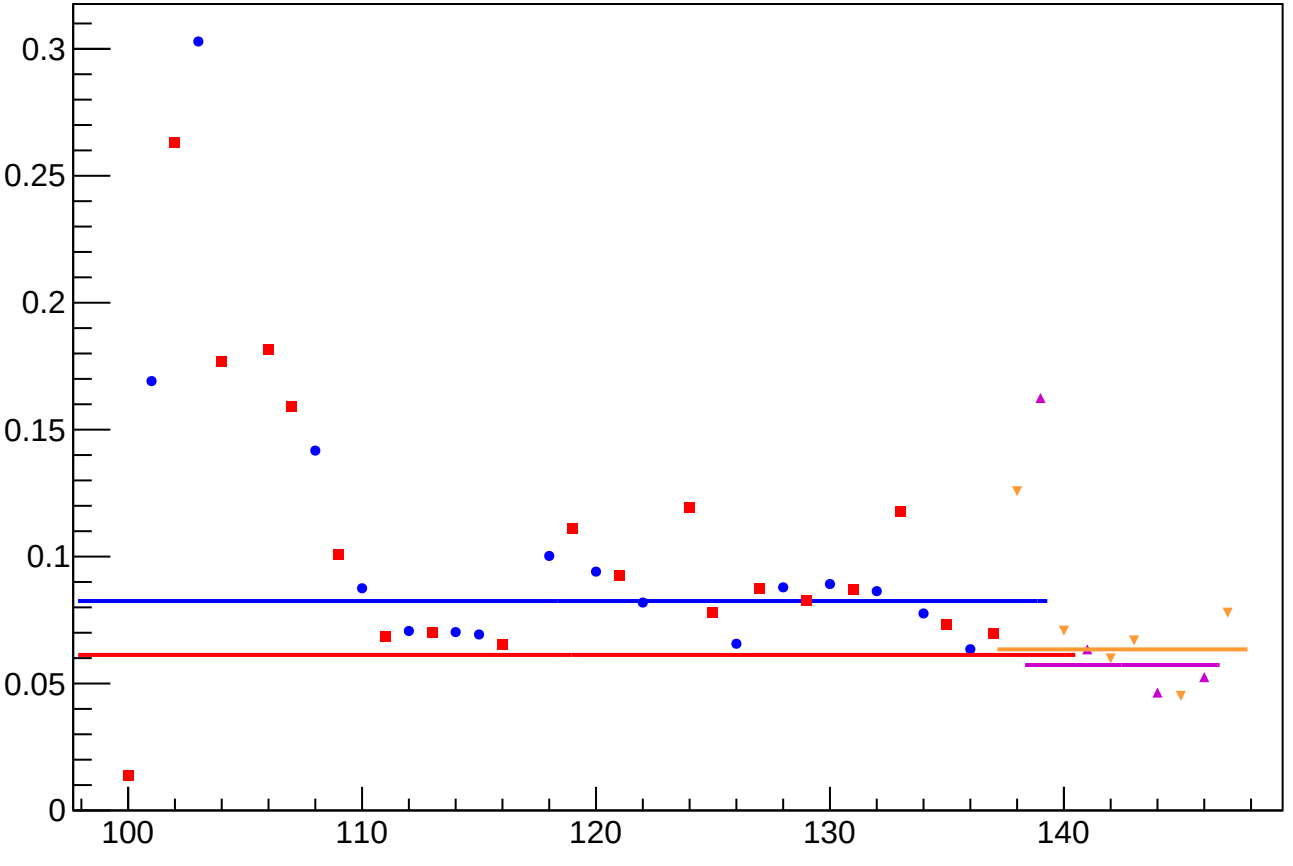
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.616+/-0.000 χ^2/NDF:5017483468.3/19

Out: 24.613+/-0.000 χ^2/NDF:276832625318.0/24

All: 27.724+/-0.000 χ^2/NDF: 321910008533.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.063+/-0.000 χ^2/NDF:571594.9/5

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.057+/-0.000 χ^2/NDF:783195.3/3

Left: 0.060+/-0.000 χ^2/NDF: 1382109.2/9

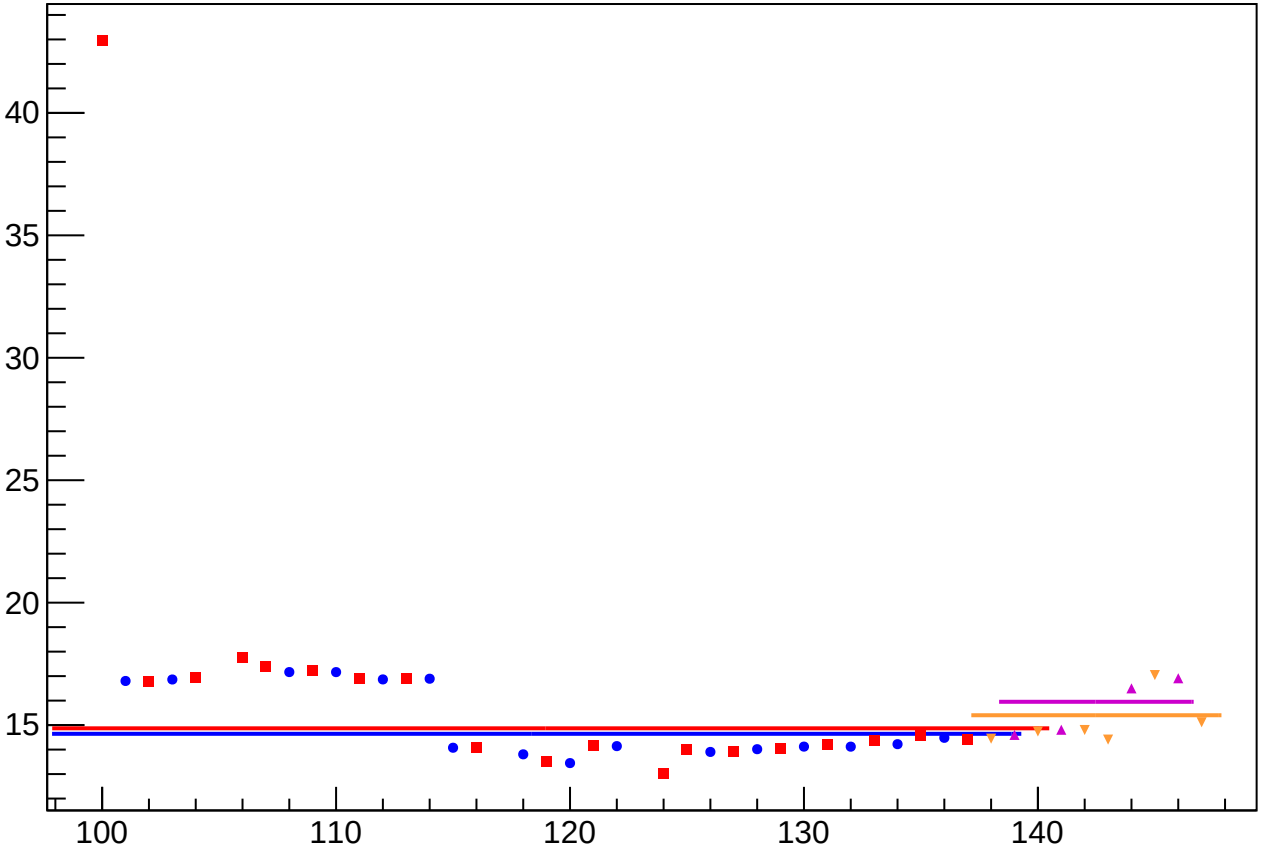
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2510015.2/19

Out: 0.062+/-0.000 χ^2/NDF:4590140.2/24

All: 0.066+/-0.000 χ^2/NDF: 7215758.2/44

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.402+/-0.000 χ^2/NDF:898469195.7/5

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.952+/-0.000 χ^2/NDF:500888432.6/3

Left: 15.640+/-0.000 χ^2/NDF: 1496322052.9/9

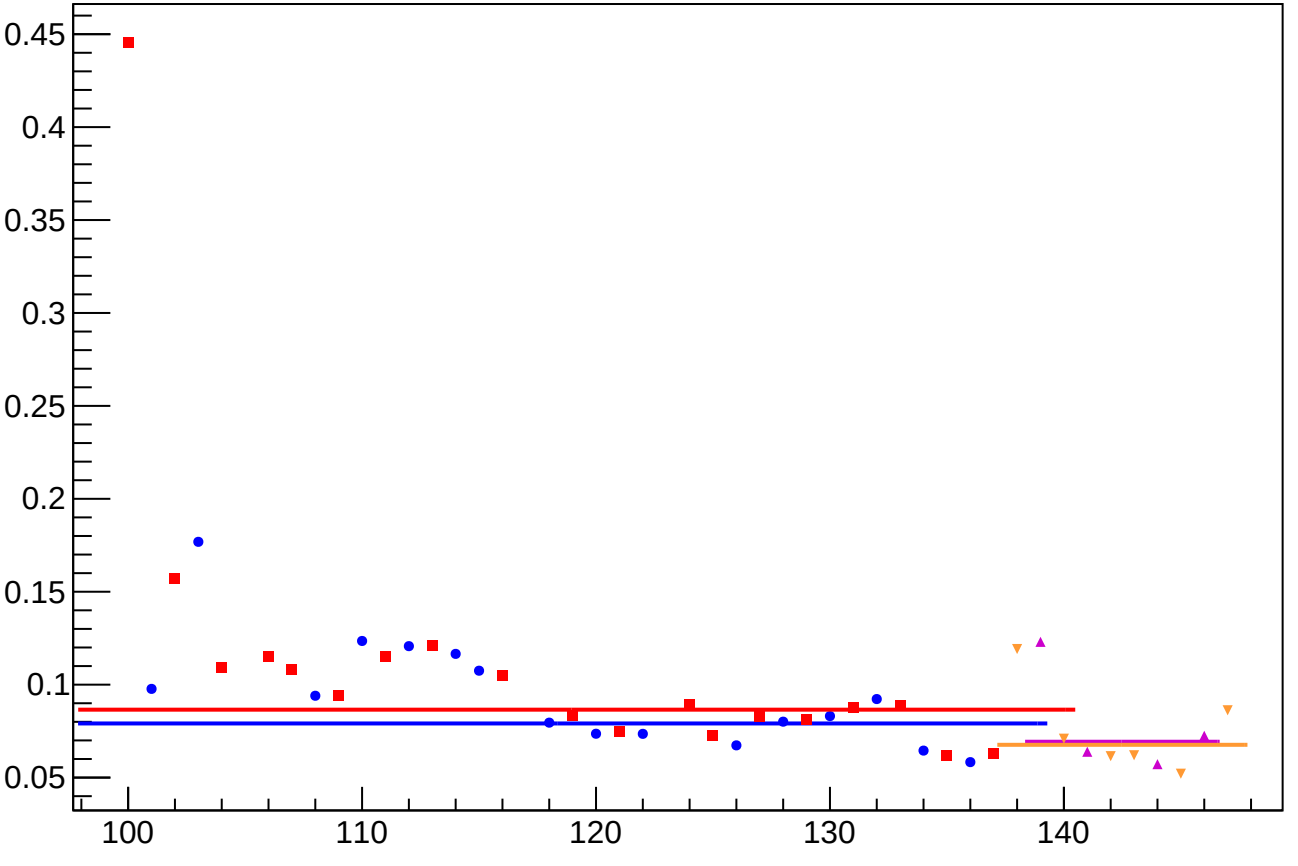
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.136+/-0.000 χ^2/NDF:2298122064.8/19

Out: 15.122+/-0.000 χ^2/NDF:2739752346.9/24

All: 15.129+/-0.000 χ^2/NDF: 5038025844.3/4

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:465588.4/5

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:385579.5/3

Left: 0.068+/-0.000 χ^2/NDF: 852912.2/9

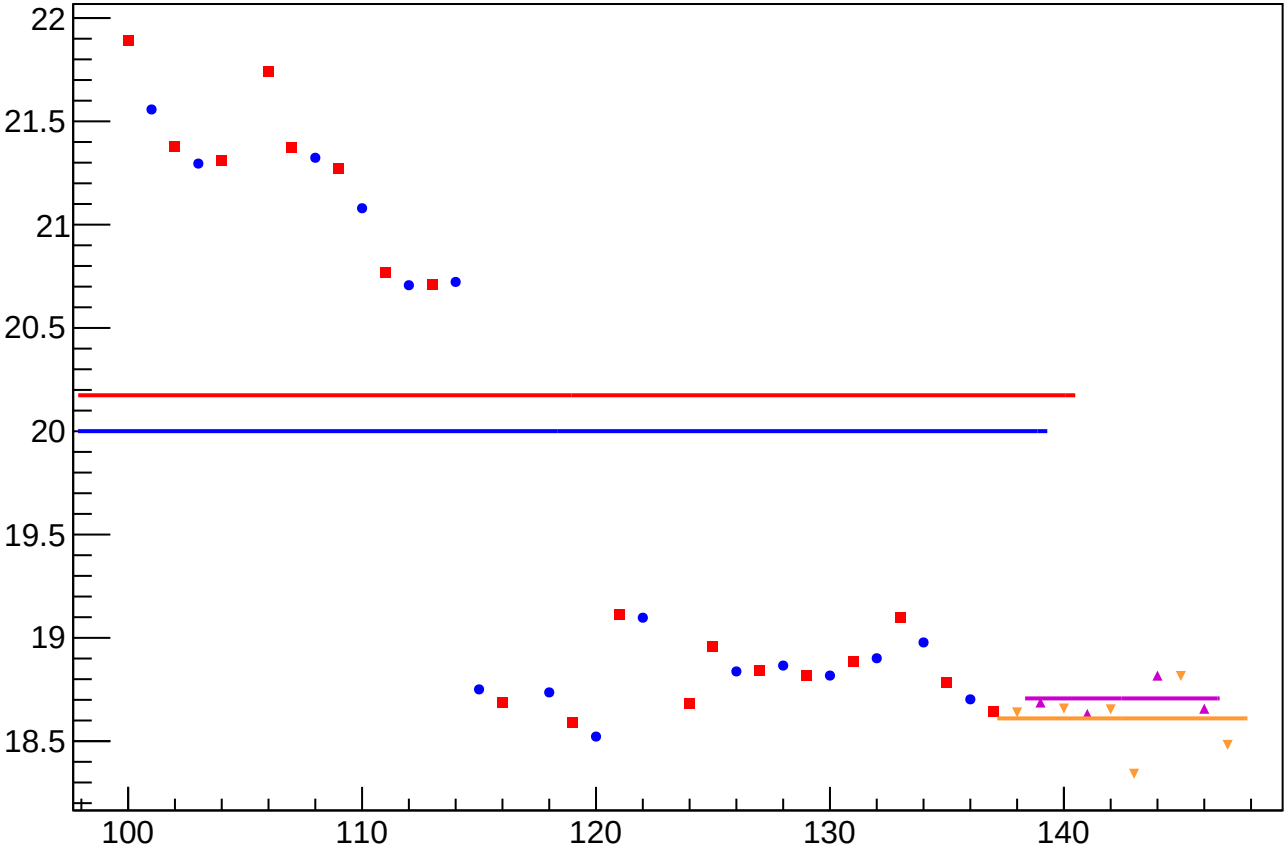
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.075+/-0.000 χ^2/NDF:1372134.6/19

Out: 0.078+/-0.000 χ^2/NDF:1537726.9/24

All: 0.077+/-0.000 χ^2/NDF: 2916855.4/44

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.610+/-0.000 χ^2/NDF:108877312.6/5

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.707+/-0.000 χ^2/NDF:17546995.5/3

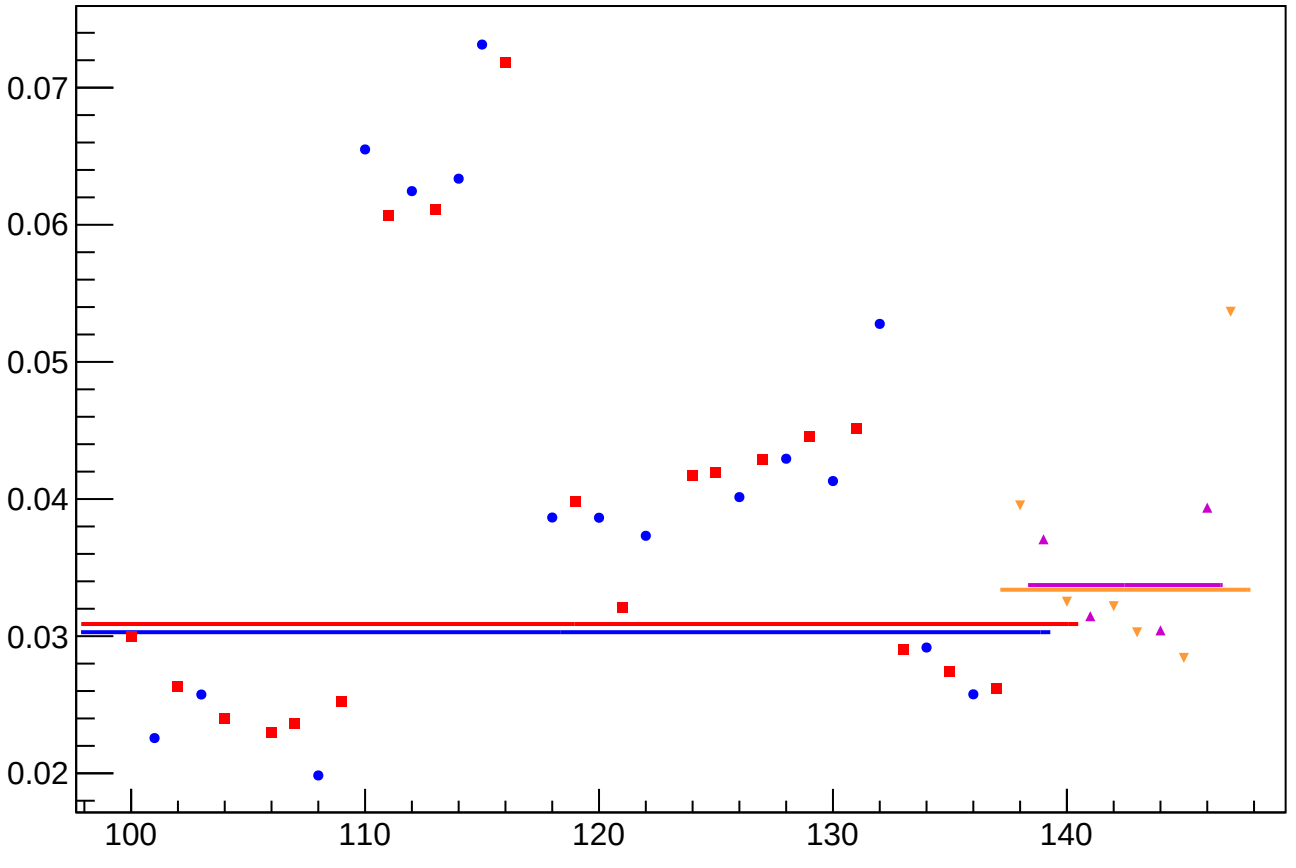
Left: 18.653+/-0.000 χ^2/NDF: 141576714.8/9

Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.603+/-0.000 χ^2/NDF:14239377650.5/19

Out: 19.607+/-0.000 χ^2/NDF:16316045829.0/24

All: 19.605+/-0.000 χ^2/NDF: 30555512897.5



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:330954.6/5

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.034+/-0.000 χ^2/NDF:75858.8/3

Left: 0.034+/-0.000 χ^2/NDF: 407191.7/9

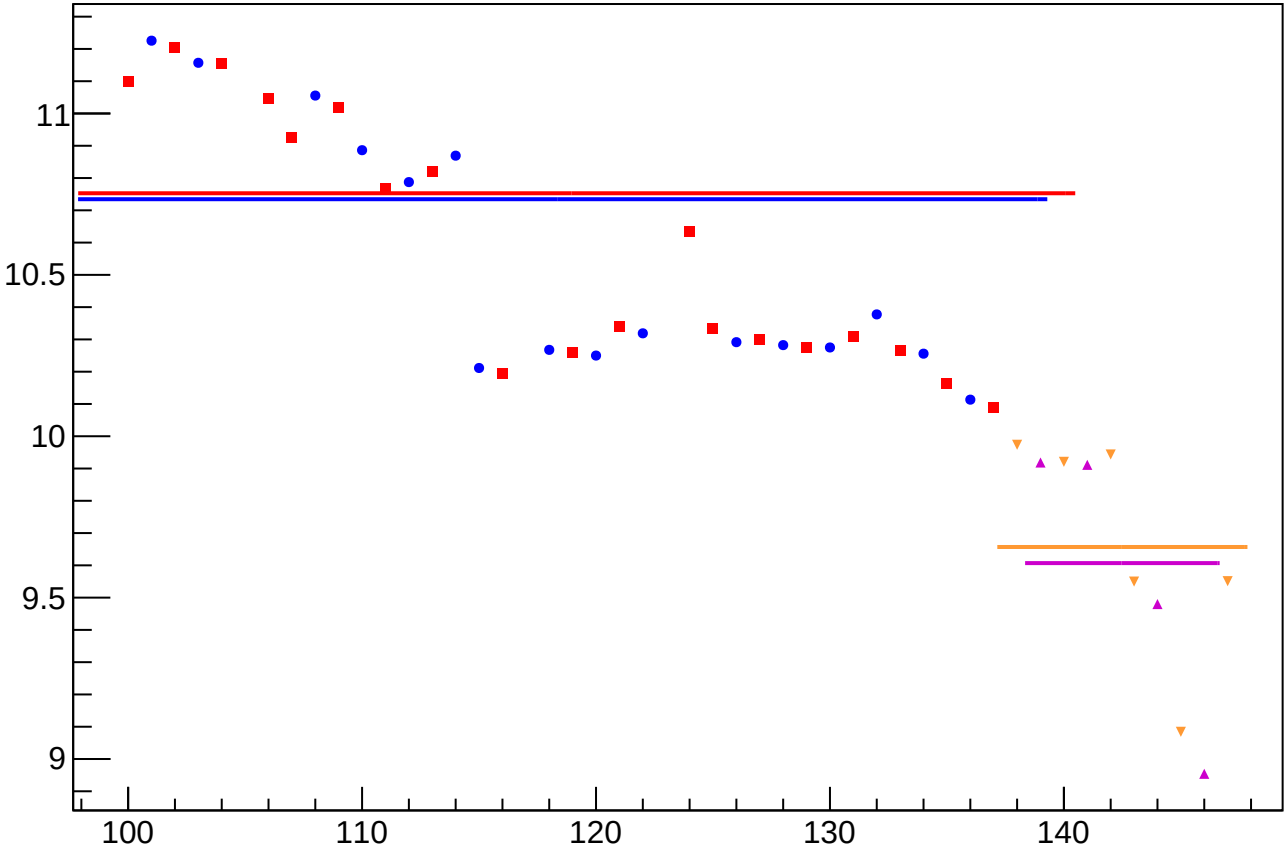
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1570446.0/19

Out: 0.032+/-0.000 χ^2/NDF:1565222.2/24

All: 0.032+/-0.000 χ^2/NDF: 3137615.5/44

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.657+/-0.000 χ^2/NDF:1063036150.7/5

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.607+/-0.000 χ^2/NDF:889843418.4/3

Left: 9.637+/-0.000 χ^2/NDF: 1963629447.4/9

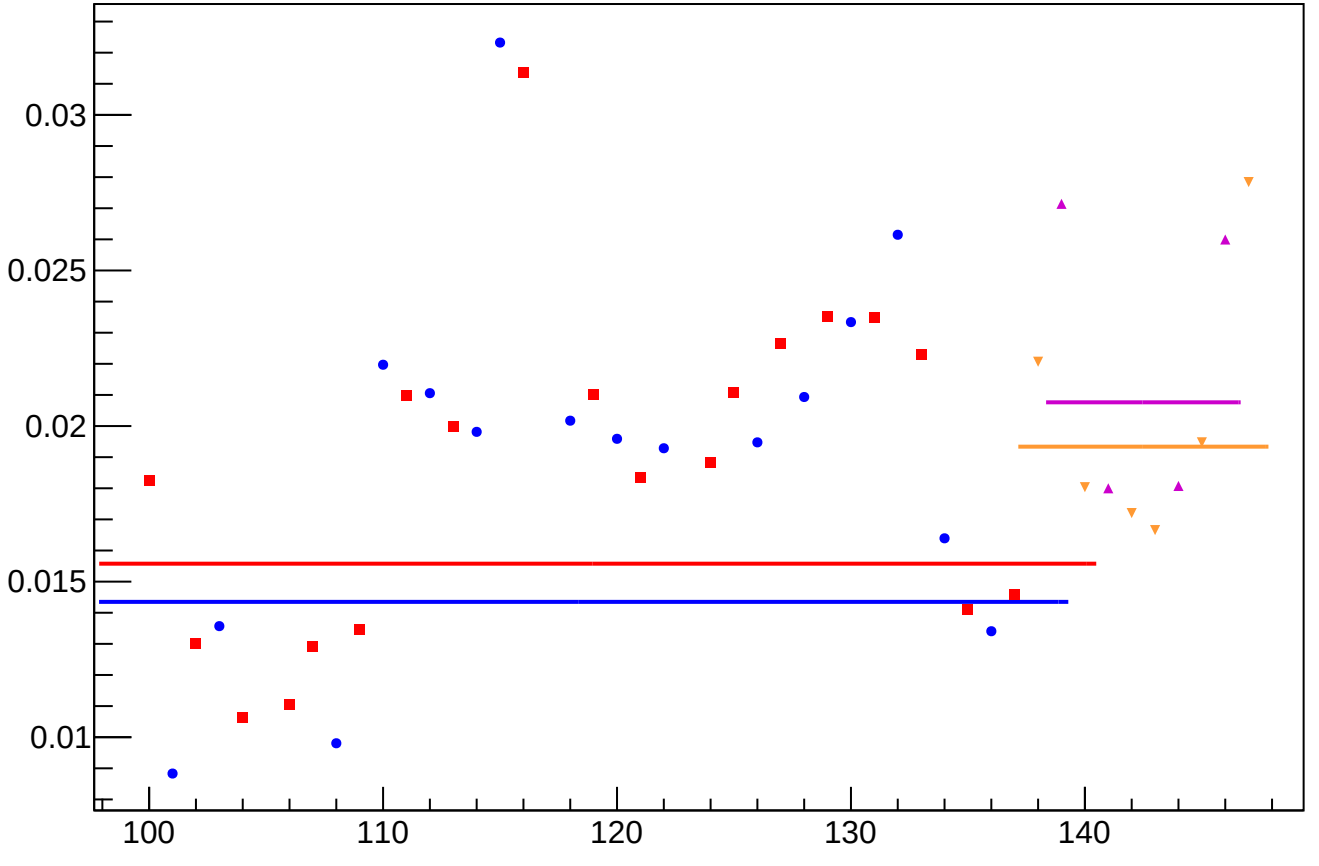
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.499+/-0.000 χ^2/NDF:14098056083.8/19

Out: 10.431+/-0.000 χ^2/NDF:14392977064.5/24

All: 10.465+/-0.000 χ^2/NDF: 28572067558.6

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:227319.4/5

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.021+/-0.000 χ^2/NDF:231460.1/3

Left: 0.020+/-0.000 χ^2/NDF: 476311.0/9

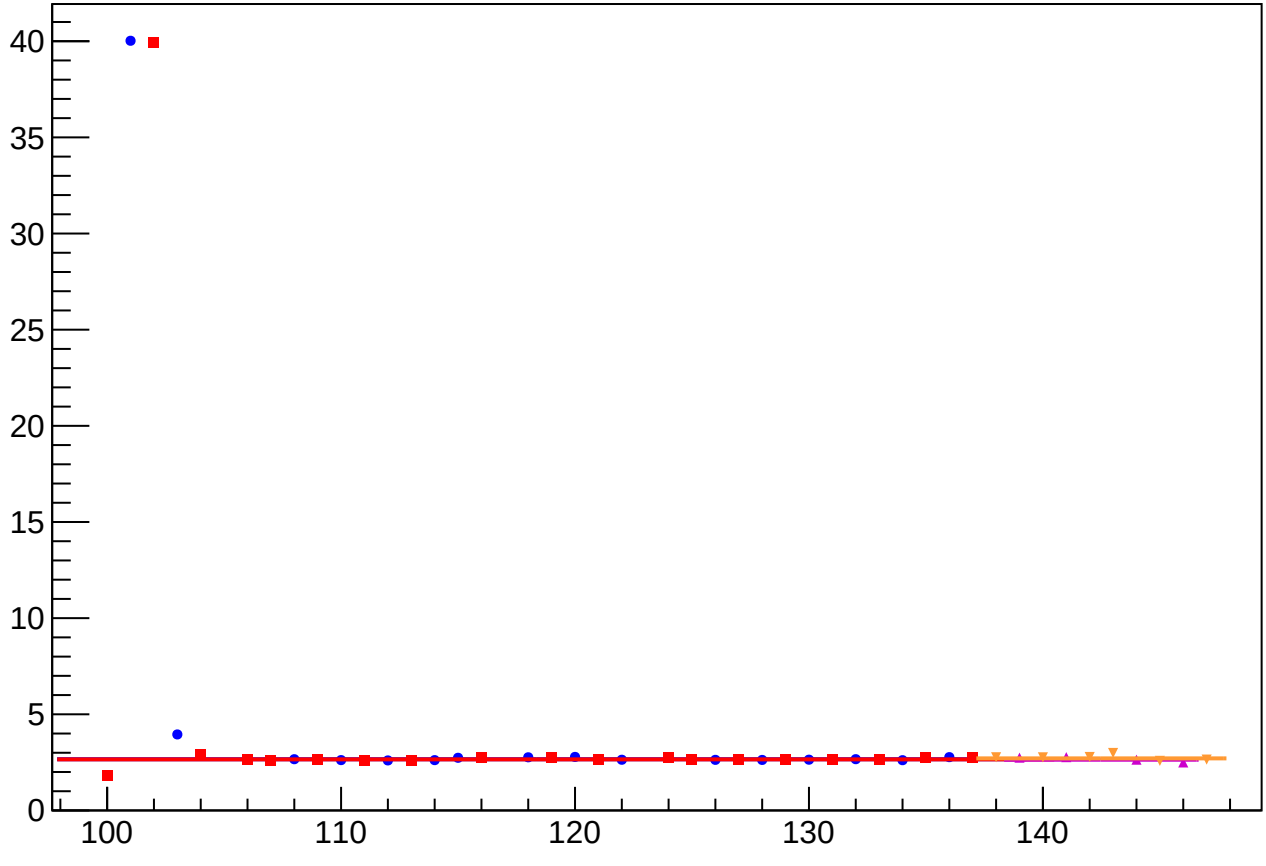
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.016+/-0.000 χ^2/NDF:2187539.5/19

Out: 0.017+/-0.000 χ^2/NDF:1510929.7/24

All: 0.016+/-0.000 χ^2/NDF: 3733332.8/44

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.708+/-0.000 χ^2/NDF:14134620344.2/5

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.638+/-0.000 χ^2/NDF:7318585065.3/3

Left: 2.675+/-0.000 χ^2/NDF: 23133202190.2/9

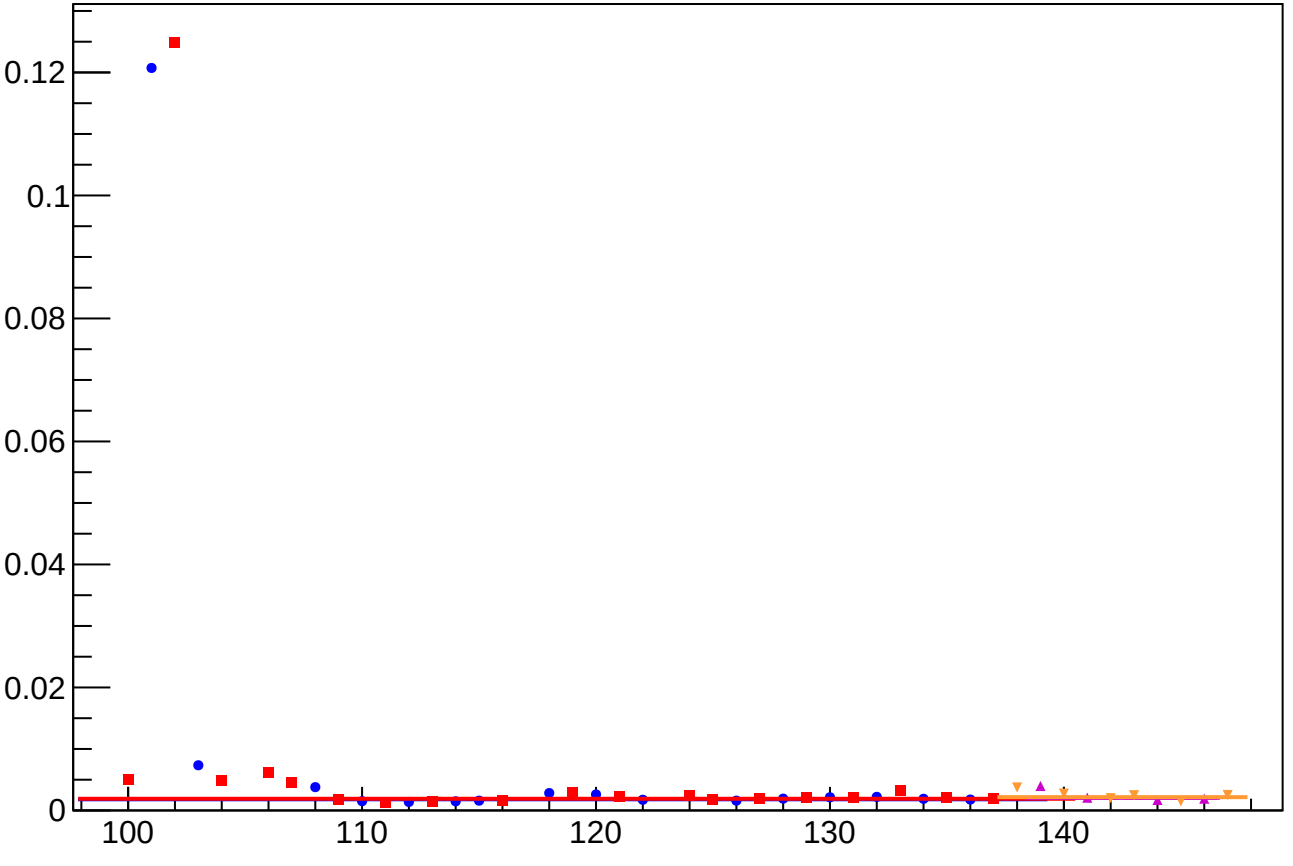
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.656+/-0.000 χ^2/NDF:75464850090.7/19

Out: 2.674+/-0.000 χ^2/NDF:80447073036.7/24

All: 2.665+/-0.000 χ^2/NDF: 156259413883.6

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:612838.9/5

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:441405.0/3

Left: 0.002+/-0.000 χ^2/NDF: 1064762.3/9

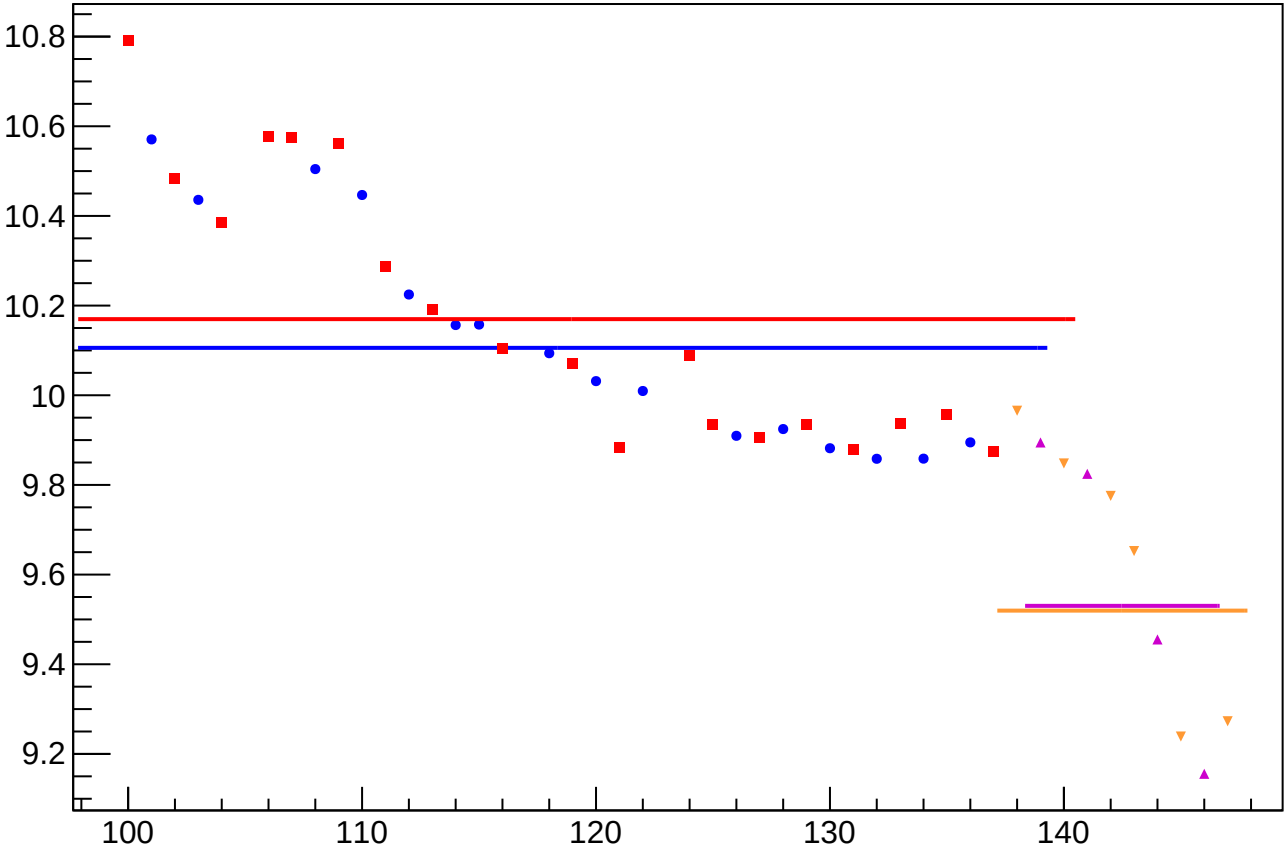
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2307918.6/19

Out: 0.002+/-0.000 χ^2/NDF:3203262.8/24

All: 0.002+/-0.000 χ^2/NDF: 5534263.2/44

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.520+/-0.000 χ^2/NDF:5934167011.4/5

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.530+/-0.000 χ^2/NDF:4754949572.2/3

Left: 9.524+/-0.000 χ^2/NDF: 10693367446.3/9

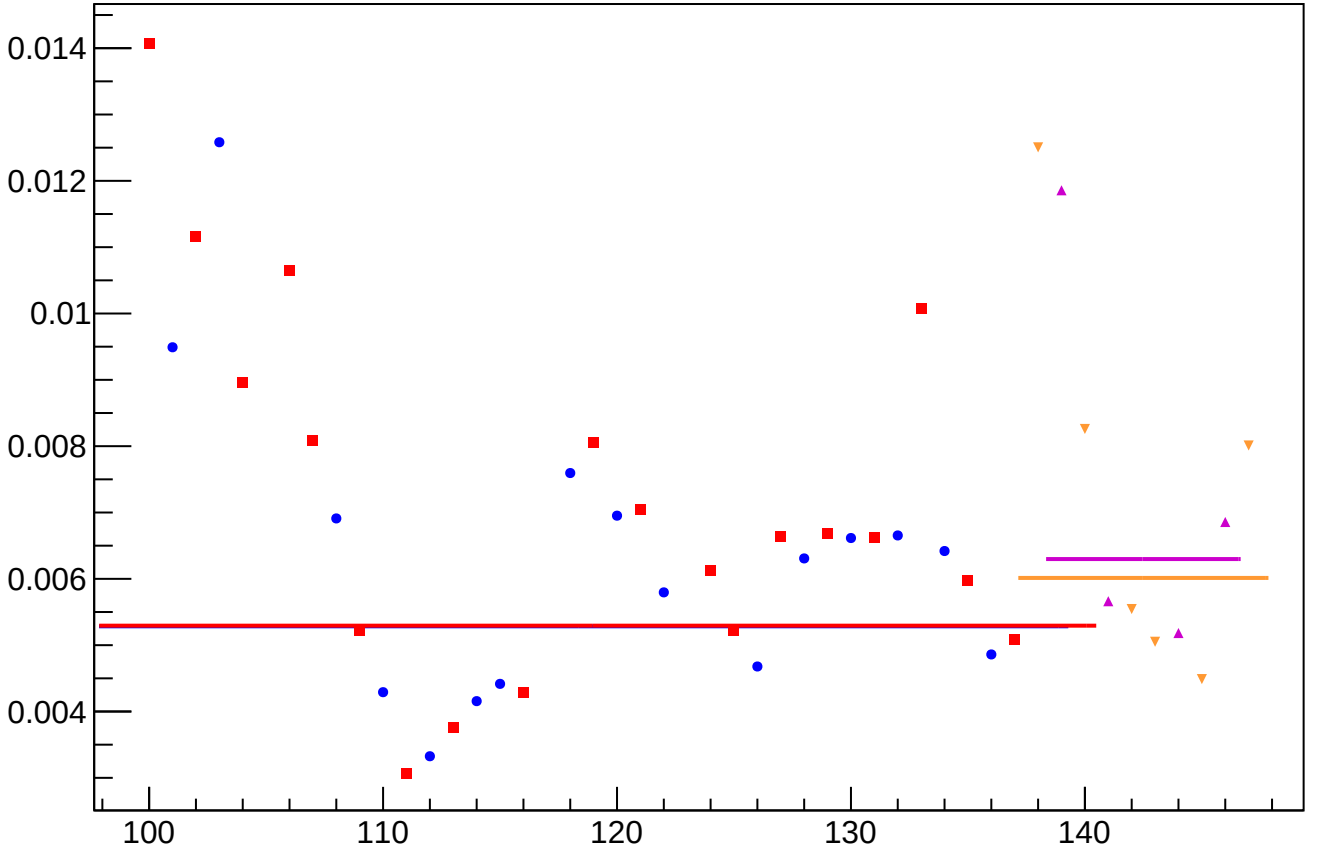
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.961+/-0.000 χ^2/NDF:30040856488.7/19

Out: 9.968+/-0.000 χ^2/NDF:40855836885.4/24

All: 9.965+/-0.000 χ^2/NDF: 70904853605.6/4

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:740665.9/5

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:431967.3/3

Left: 0.006+/-0.000 χ^2/NDF: 1178709.3/9

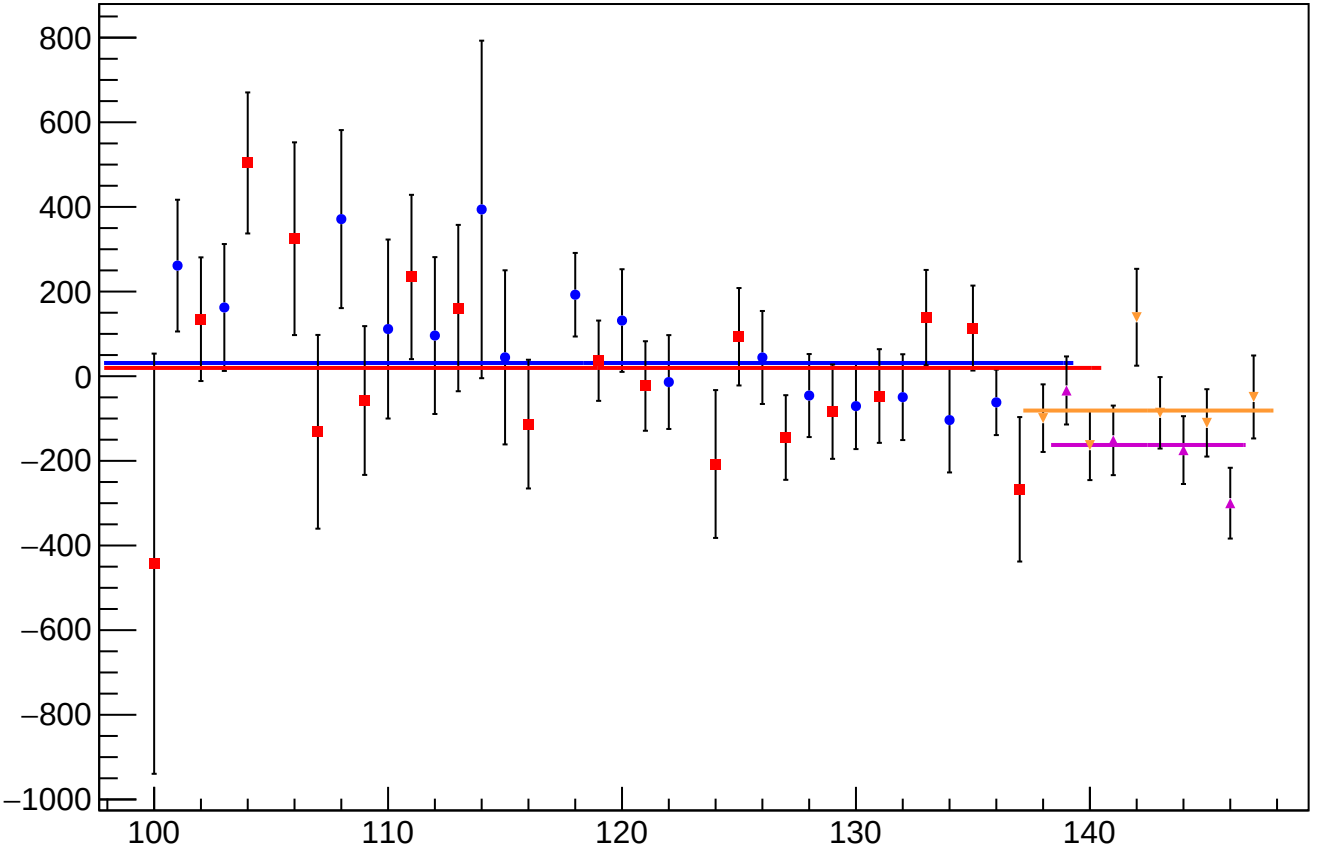
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:1806393.5/19

Out: 0.006+/-0.000 χ^2/NDF:2596123.5/24

All: 0.006+/-0.000 χ^2/NDF: 4402663.0/44

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -81.129+/-35.758 χ^2/NDF:5.0/5

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -162.483+/-40.776 χ^2/NDF:5.3/3

Left: -116.494+/-26.885 χ^2/NDF: 12.5/9

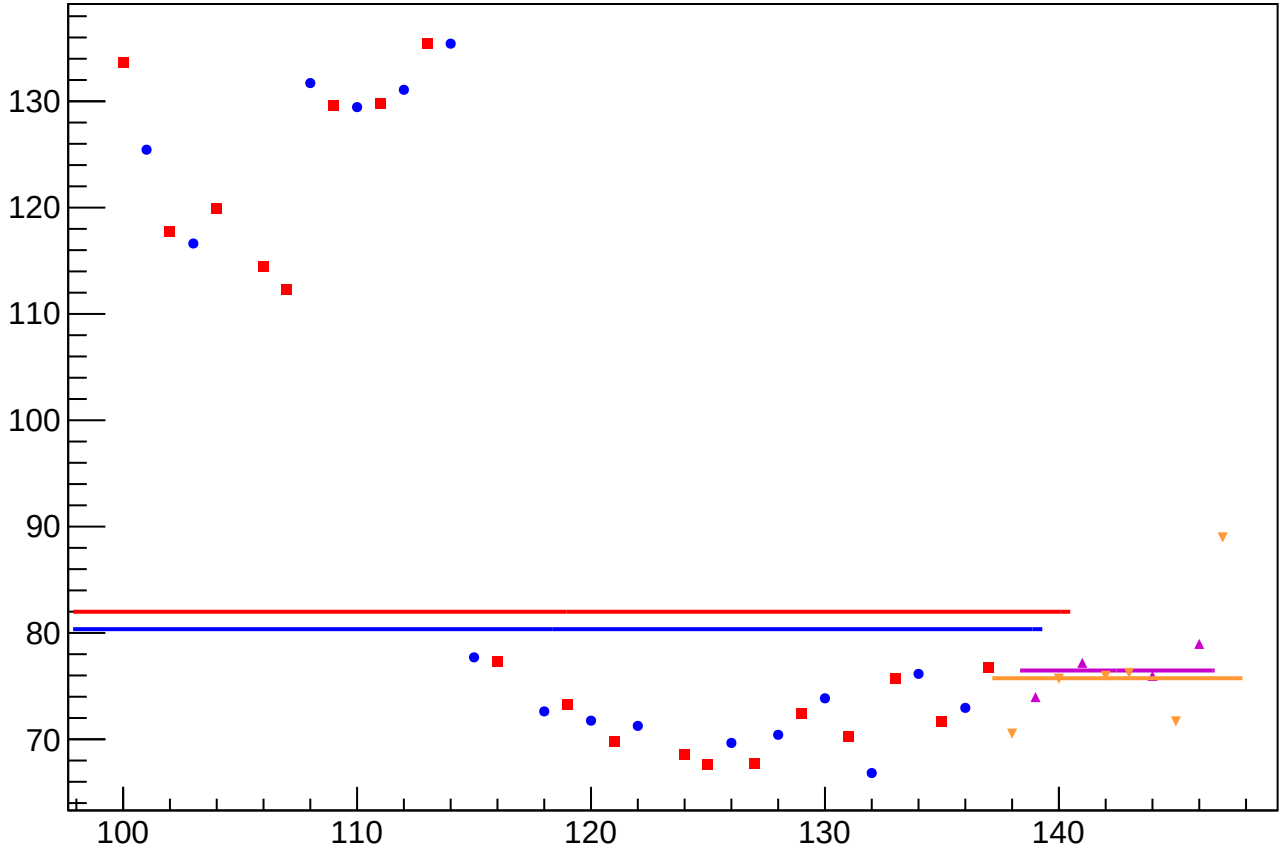
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -39.089+/-24.570 χ^2/NDF:34.8/19

Out: -23.730+/-23.448 χ^2/NDF:35.4/24

All: -31.051+/-16.963 χ^2/NDF: 70.4/44

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 75.741+/-0.025 χ^2/NDF:50323.9/5

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

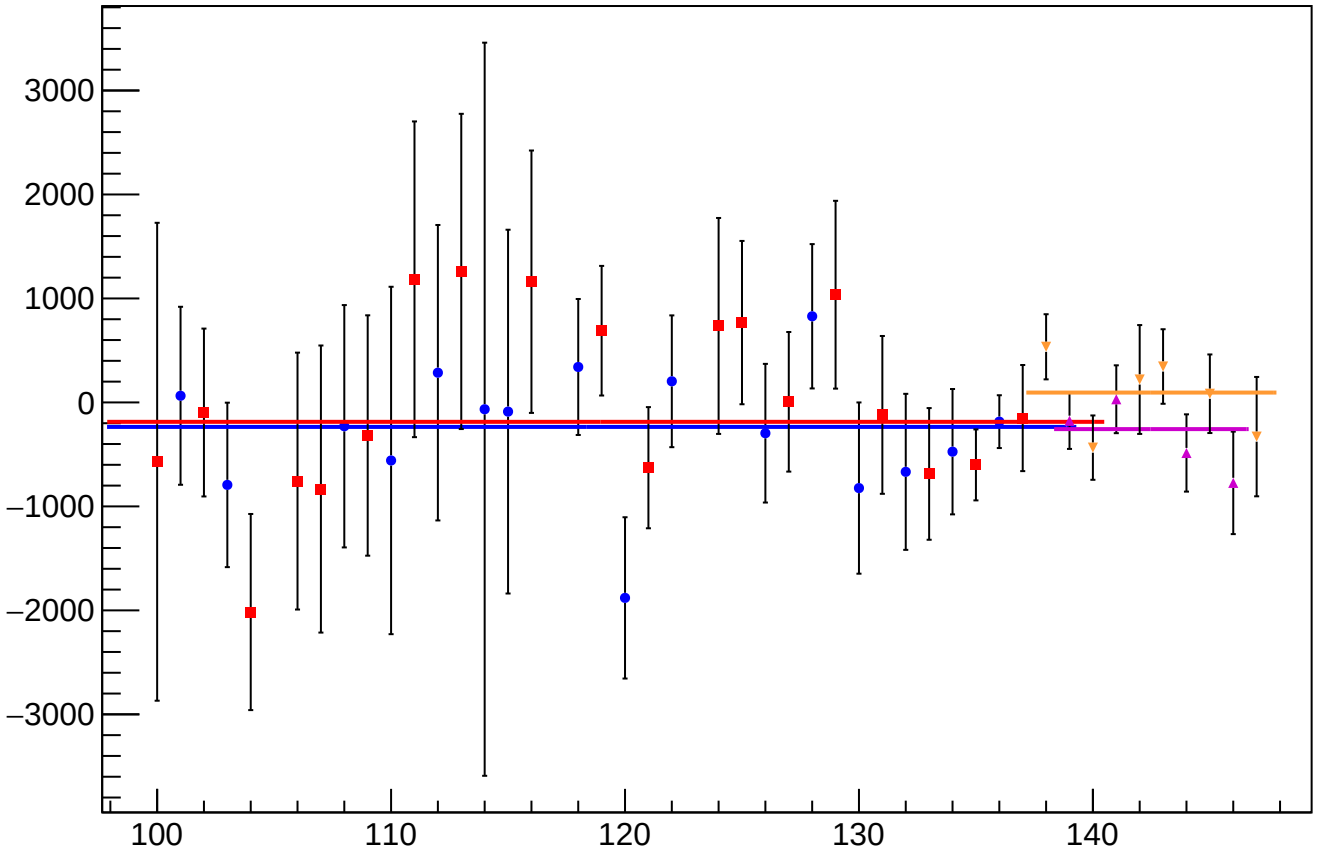
Left: 76.056+/-0.019 χ^2/NDF: 54637.8/9

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 78.943+/-0.017 χ^2/NDF:855572.3/19

Out: 79.304+/-0.017 χ^2/NDF:1017512.3/24

All: 79.132+/-0.012 χ^2/NDF: 1873311.6/44



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 94.771+/-154.113 χ^2/NDF:6.0/5

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -256.624+/-170.531 χ^2/NDF:2.3/3

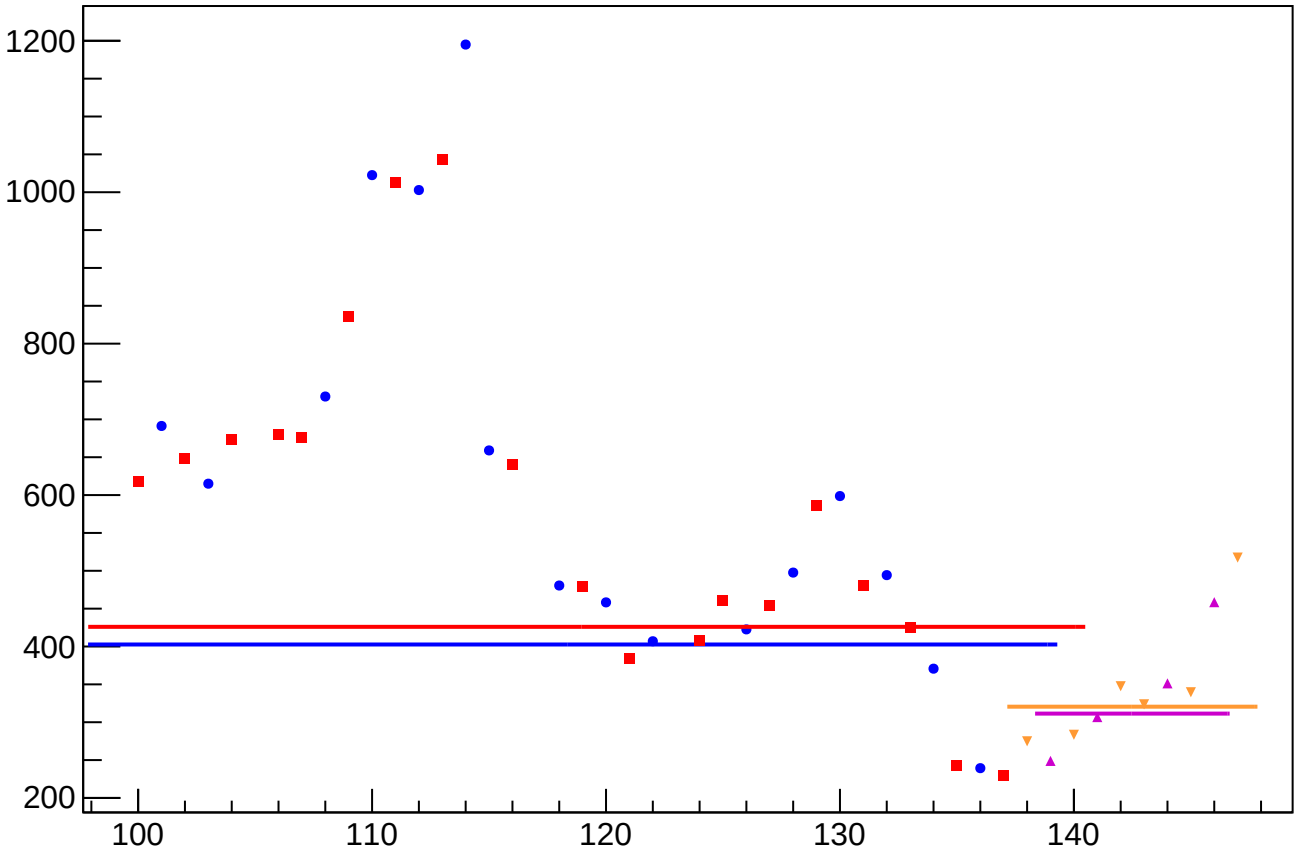
Left: -63.201+/-114.339 χ^2/NDF: 10.7/9

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -245.646+/-118.119 χ^2/NDF:12.3/19

Out: -31.841+/-114.298 χ^2/NDF:23.5/24

All: -135.230+/-82.139 χ^2/NDF: 37.4/44



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 320.528+/-0.109 χ^2/NDF:317364.1/5

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 311.381+/-0.121 χ^2/NDF:308307.5/3

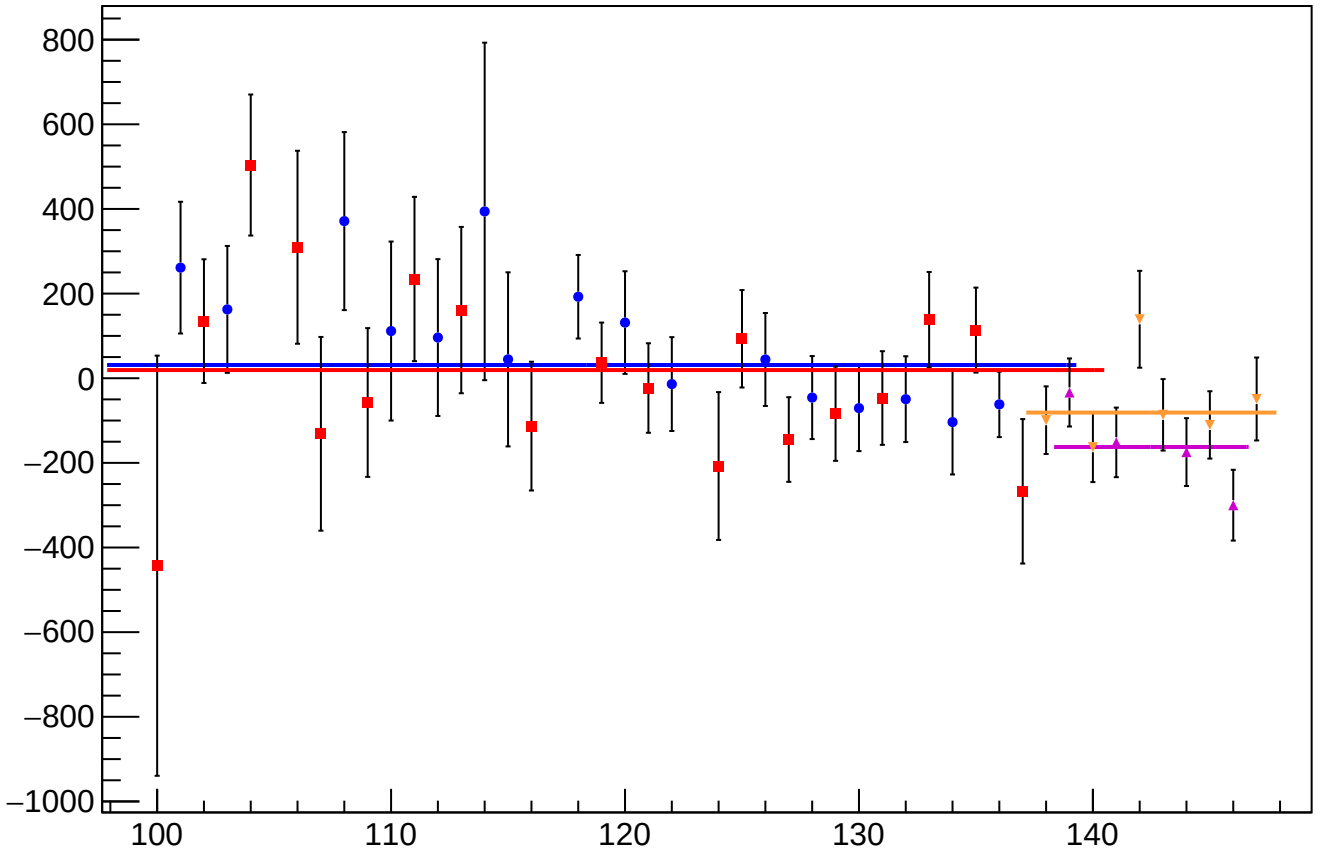
Left: 316.416+/-0.081 χ^2/NDF: 628838.8/9

Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 358.866+/-0.084 χ^2/NDF:2966484.0/19

Out: 367.976+/-0.081 χ^2/NDF:3107492.1/24

All: 363.571+/-0.058 χ^2/NDF: 6080120.5/44



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -81.133+/-35.758 χ^2/NDF:5.0/5

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -162.489+/-40.776 χ^2/NDF:5.3/3

Left: -116.499+/-26.885 χ^2/NDF: 12.5/9

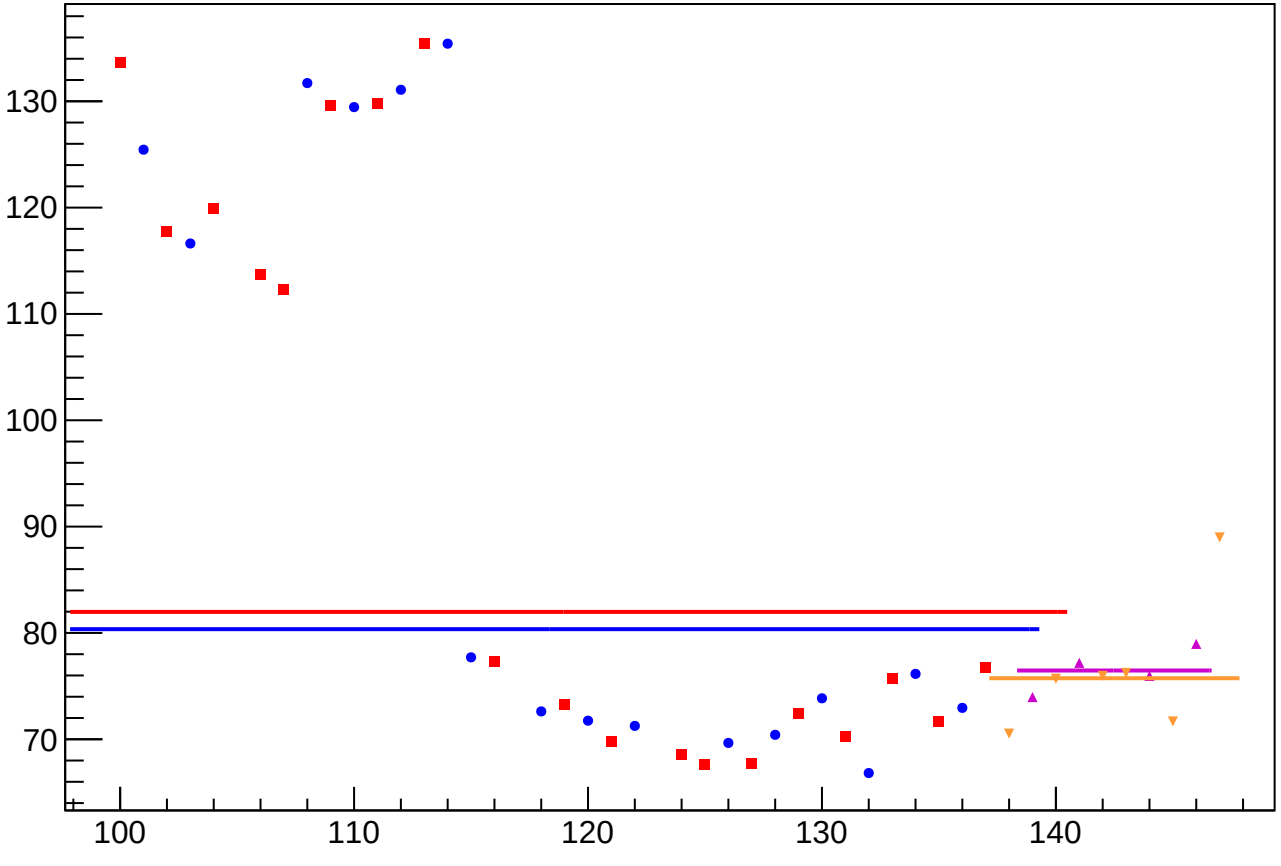
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -39.084+/-24.570 χ^2/NDF:34.8/19

Out: -23.900+/-23.449 χ^2/NDF:35.2/24

All: -31.138+/-16.963 χ^2/NDF: 70.2/44

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 75.741+/-0.025 χ^2/NDF:50323.9/5

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

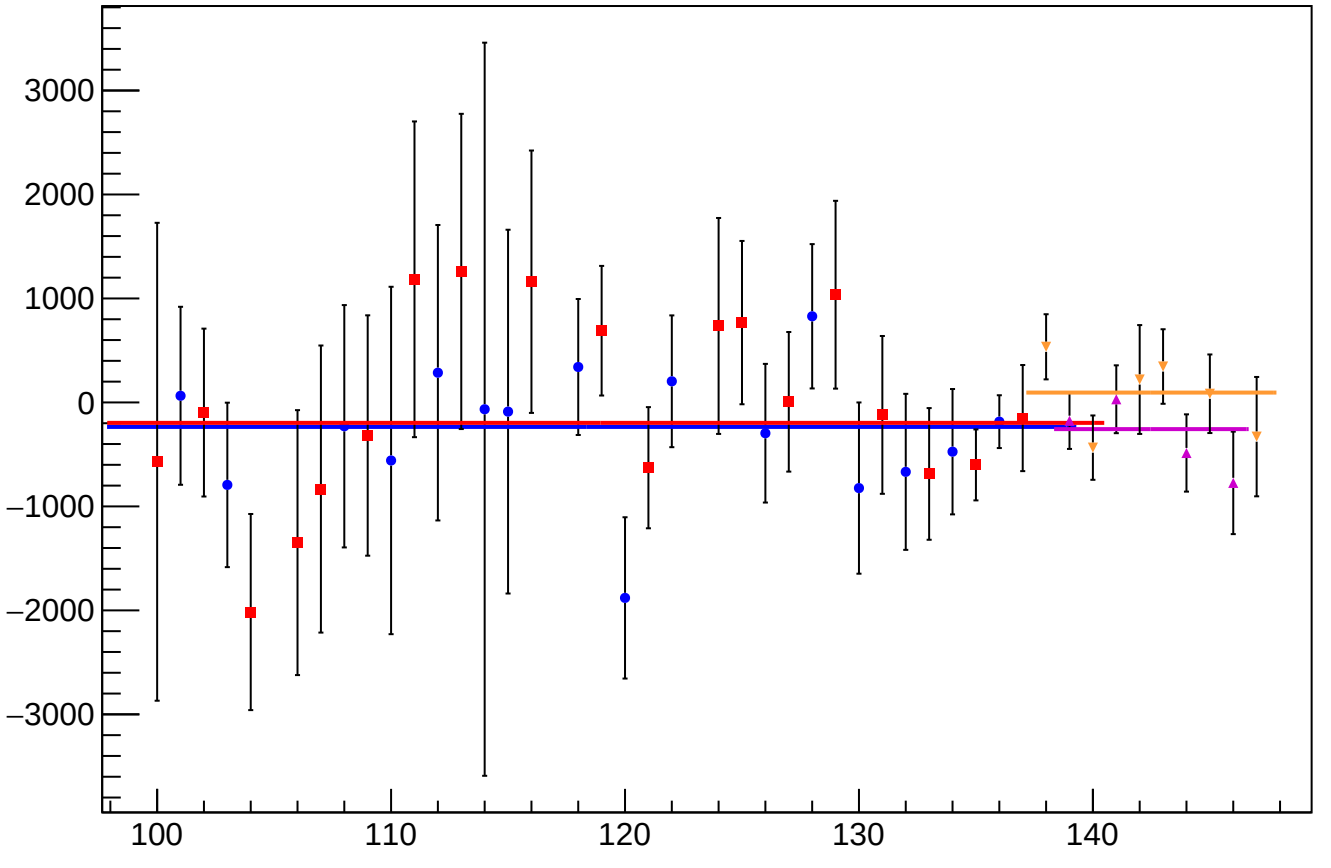
Left: 76.056+/-0.019 χ^2/NDF: 54637.8/9

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 78.943+/-0.017 χ^2/NDF:855572.5/19

Out: 79.296+/-0.017 χ^2/NDF:1015472.8/24

All: 79.127+/-0.012 χ^2/NDF: 1871261.4/44



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 94.769+/-154.113 χ^2/NDF:6.0/5

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -256.625+/-170.531 χ^2/NDF:2.3/3

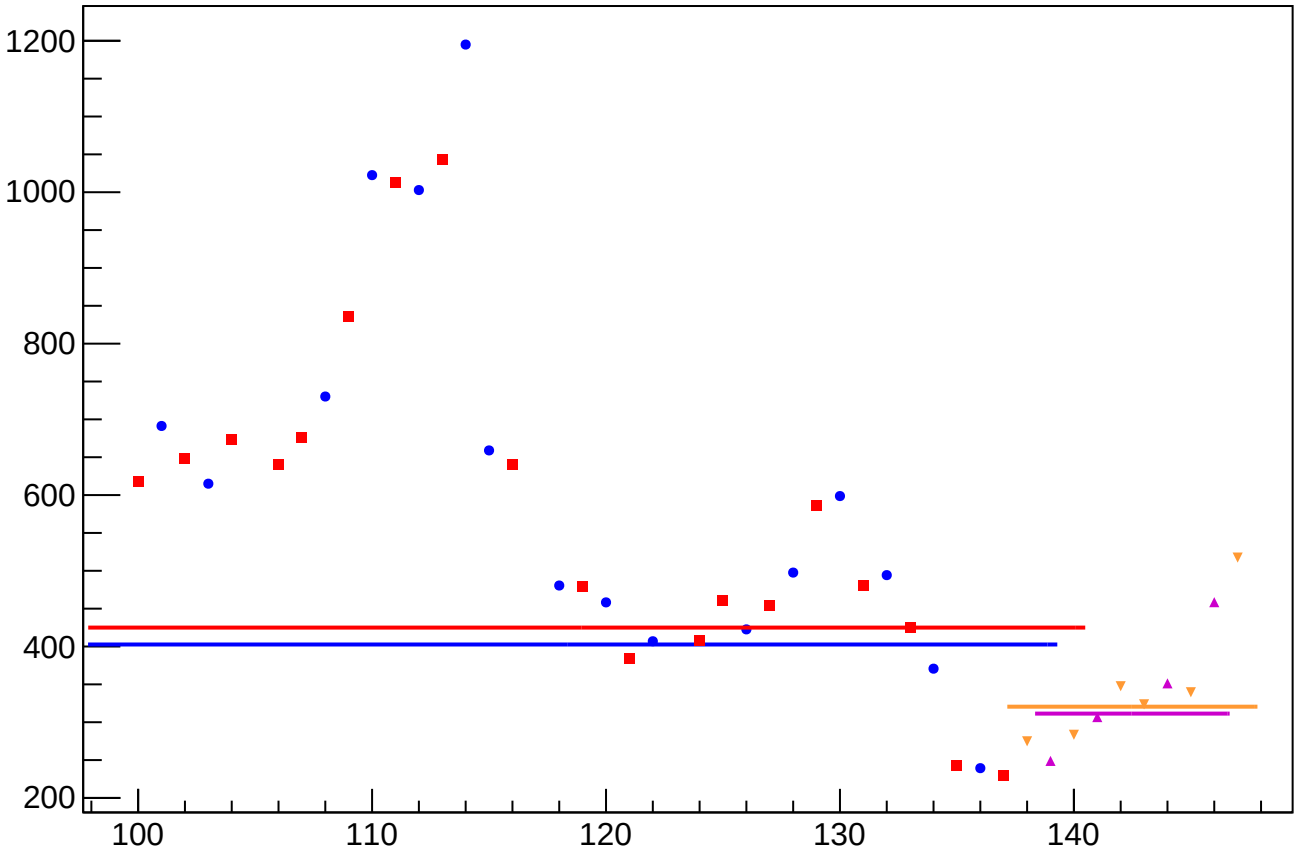
Left: -63.203+/-114.339 χ^2/NDF: 10.7/9

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -245.645+/-118.119 χ^2/NDF:12.3/19

Out: -36.241+/-114.328 χ^2/NDF:24.2/24

All: -137.529+/-82.149 χ^2/NDF: 38.1/44



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 320.528+/-0.109 χ^2/NDF:317367.5/5

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 311.381+/-0.121 χ^2/NDF:308310.0/3

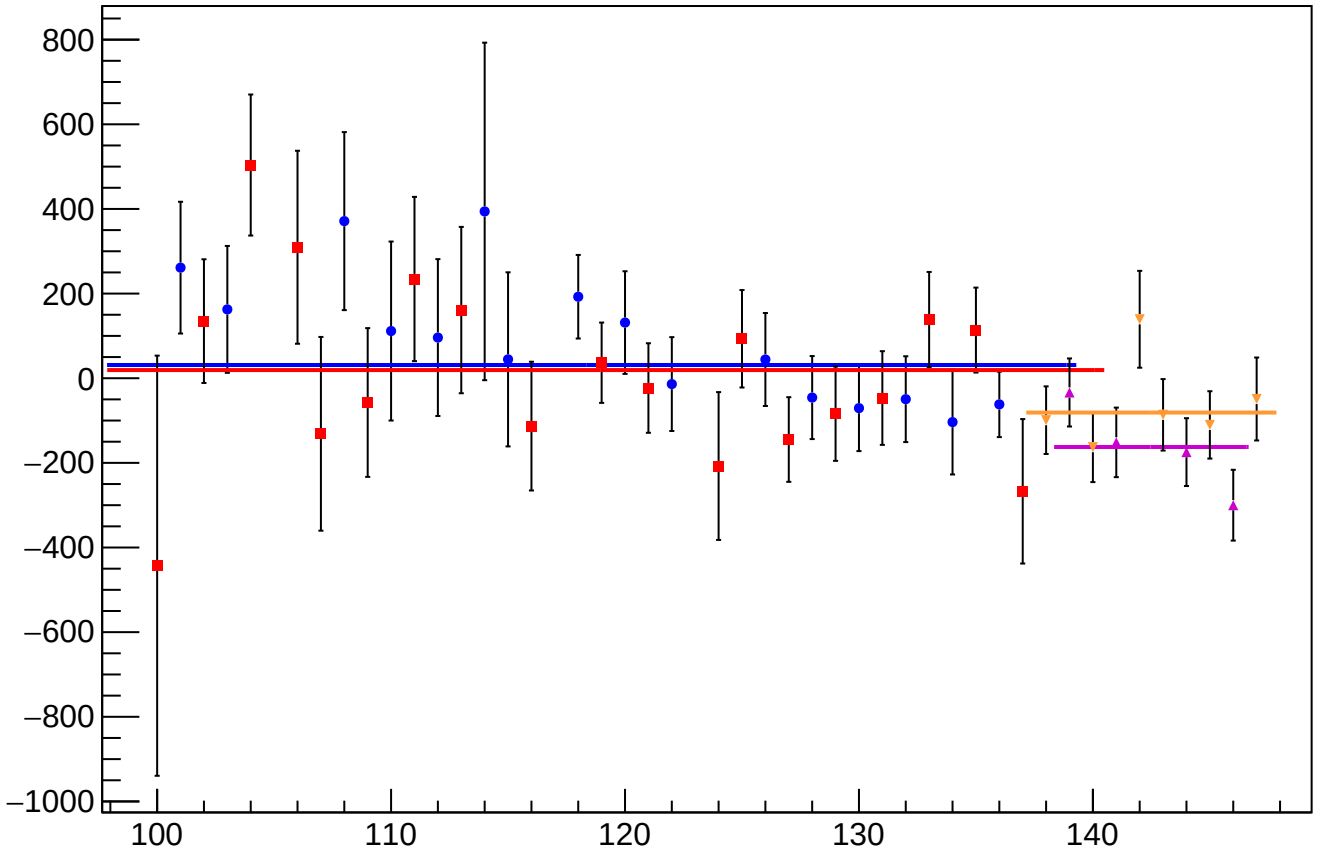
Left: 316.416+/-0.081 χ^2/NDF: 628844.6/9

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 358.866+/-0.084 χ^2/NDF:2966484.9/19

Out: 367.500+/-0.081 χ^2/NDF:3071582.3/24

All: 363.324+/-0.058 χ^2/NDF: 6043584.6/44



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -81.133+/-35.758 χ^2/NDF:5.0/5

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -162.489+/-40.776 χ^2/NDF:5.3/3

Left: -116.499+/-26.885 χ^2/NDF: 12.5/9

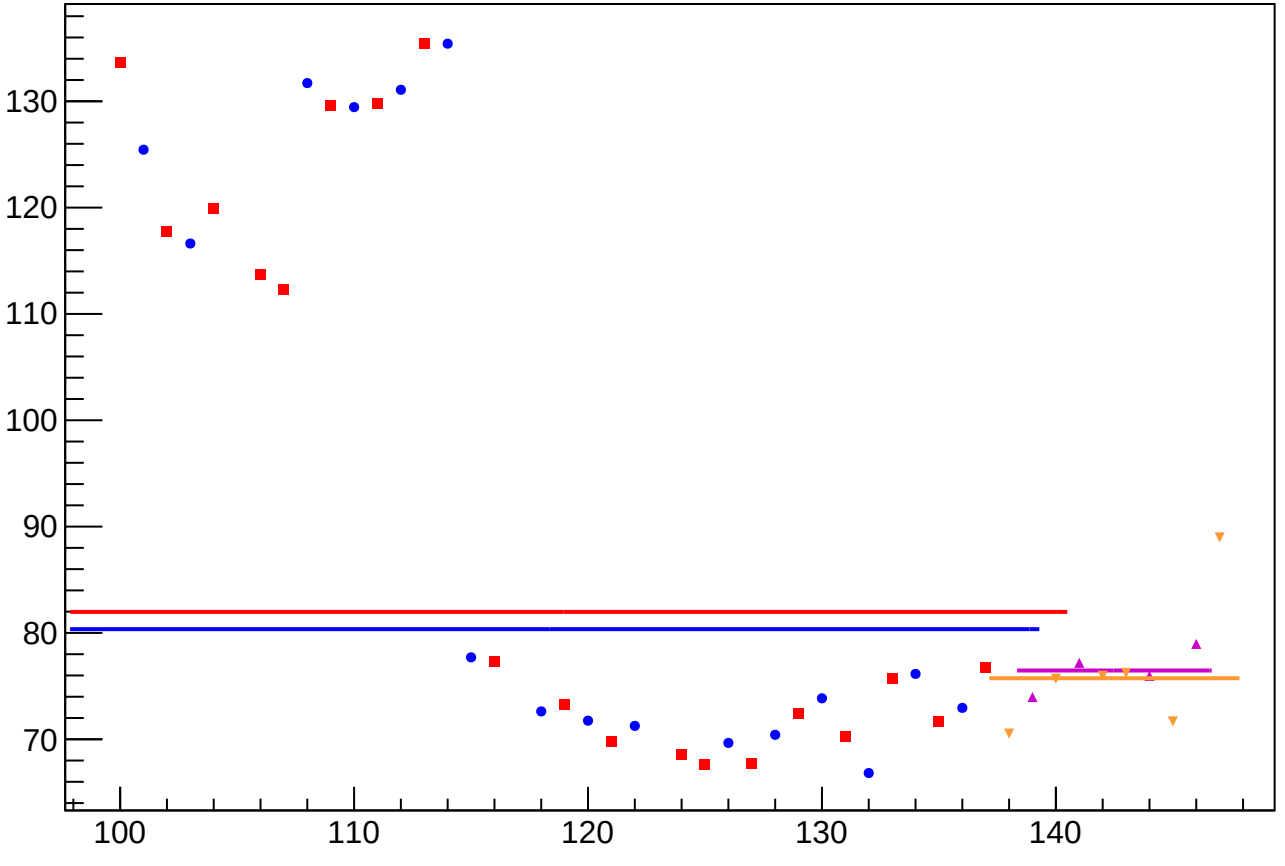
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -39.084+/-24.570 χ^2/NDF:34.8/19

Out: -23.900+/-23.449 χ^2/NDF:35.2/24

All: -31.138+/-16.963 χ^2/NDF: 70.2/44

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 75.741+/-0.025 χ^2/NDF:50323.9/5

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 76.467+/-0.029 χ^2/NDF:3955.6/3

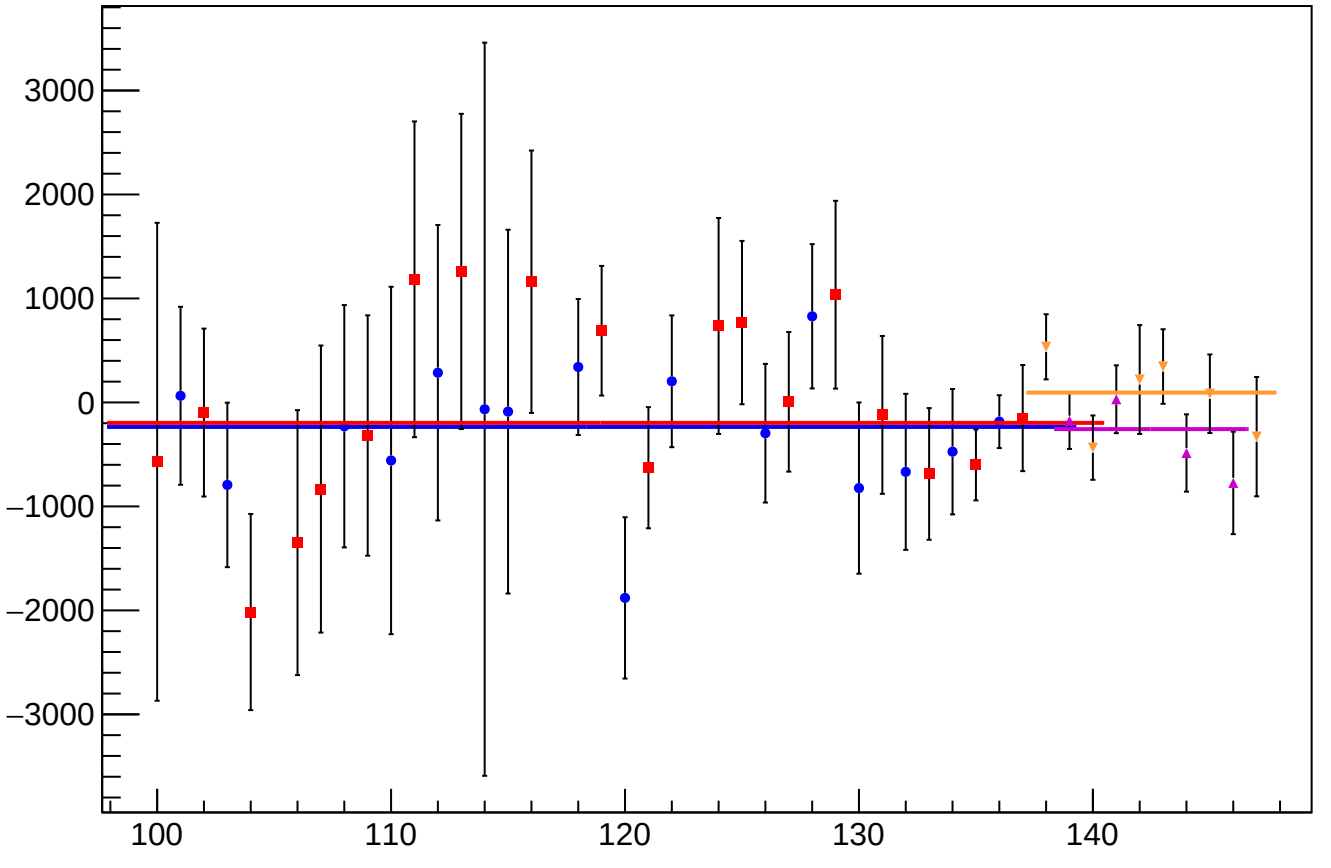
Left: 76.056+/-0.019 χ^2/NDF: 54637.8/9

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 78.943+/-0.017 χ^2/NDF:855572.5/19

Out: 79.296+/-0.017 χ^2/NDF:1015472.8/24

All: 79.127+/-0.012 χ^2/NDF: 1871261.4/44



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 94.769+/-154.113 χ^2/NDF:6.0/5

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -256.625+/-170.531 χ^2/NDF:2.3/3

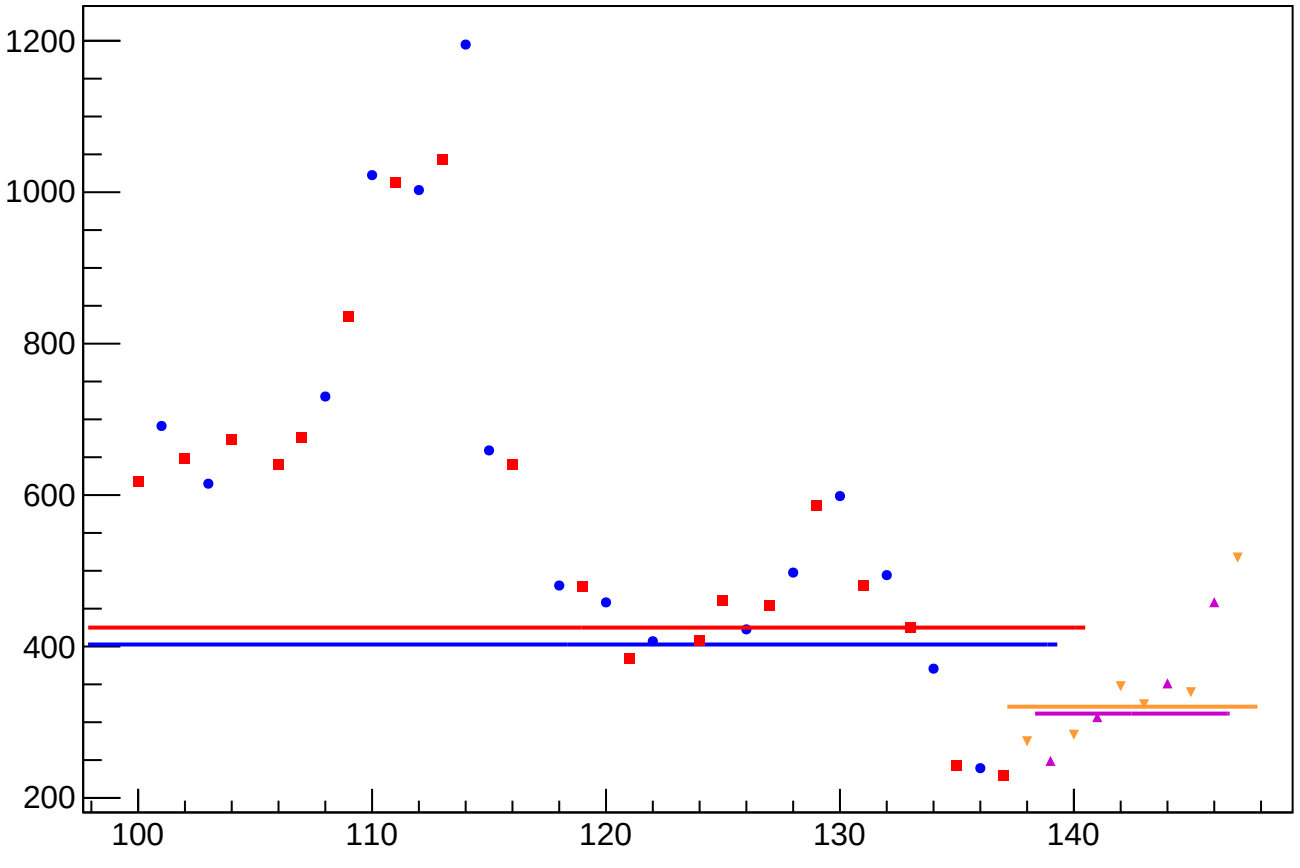
Left: -63.203+/-114.339 χ^2/NDF: 10.7/9

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -245.645+/-118.119 χ^2/NDF:12.3/19

Out: -36.241+/-114.328 χ^2/NDF:24.2/24

All: -137.529+/-82.149 χ^2/NDF: 38.1/44



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 320.528+/-0.109 χ^2/NDF:317367.5/5

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 311.381+/-0.121 χ^2/NDF:308310.0/3

Left: 316.416+/-0.081 χ^2/NDF: 628844.6/9

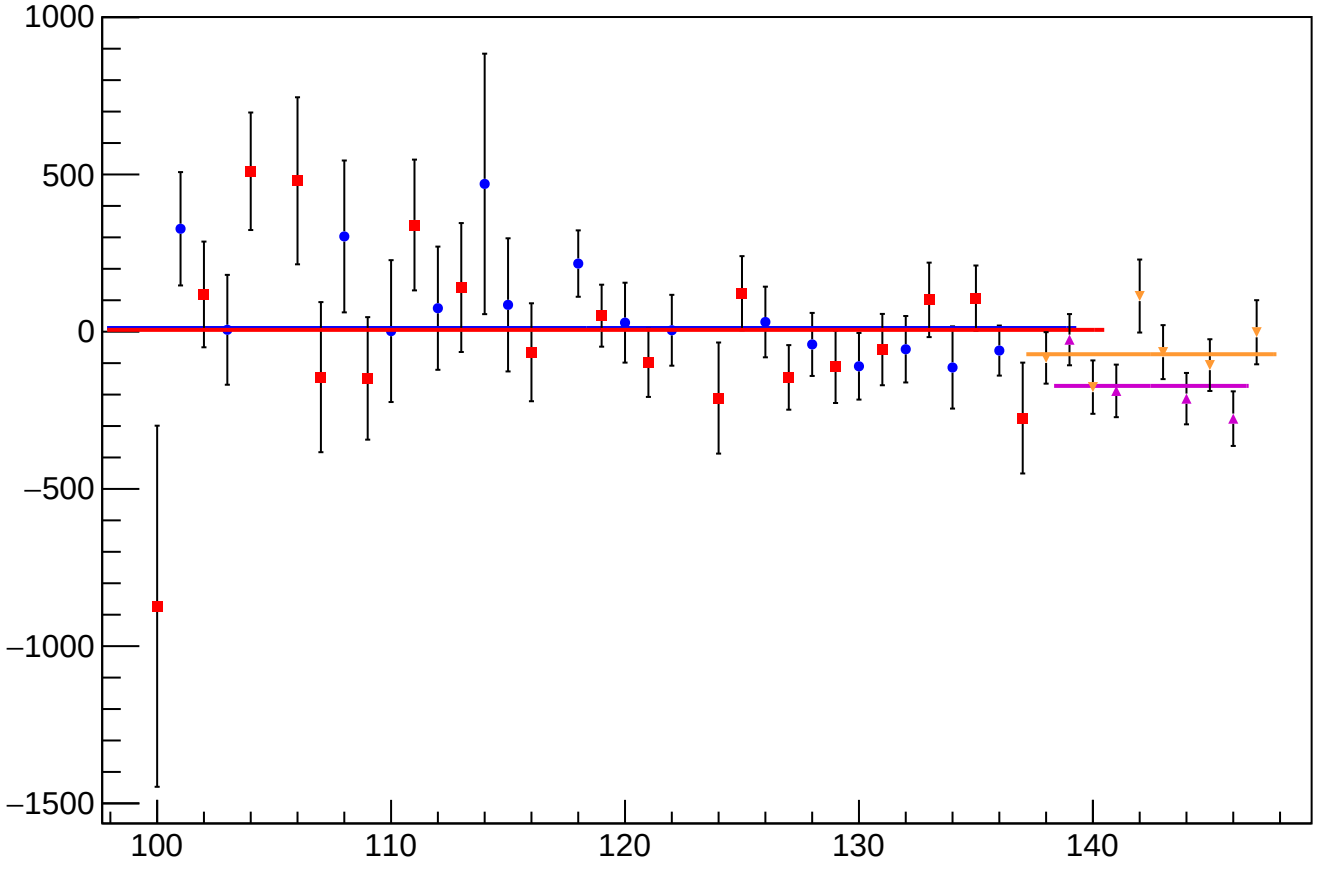
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 358.866+/-0.084 χ^2/NDF:2966484.9/19

Out: 367.500+/-0.081 χ^2/NDF:3071582.3/24

All: 363.324+/-0.058 χ^2/NDF: 6043584.6/44

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -71.658+/-36.714 χ^2/NDF:4.7/5

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -172.375+/-41.653 χ^2/NDF:5.0/3

Left: -115.694+/-27.542 χ^2/NDF: 13.0/9

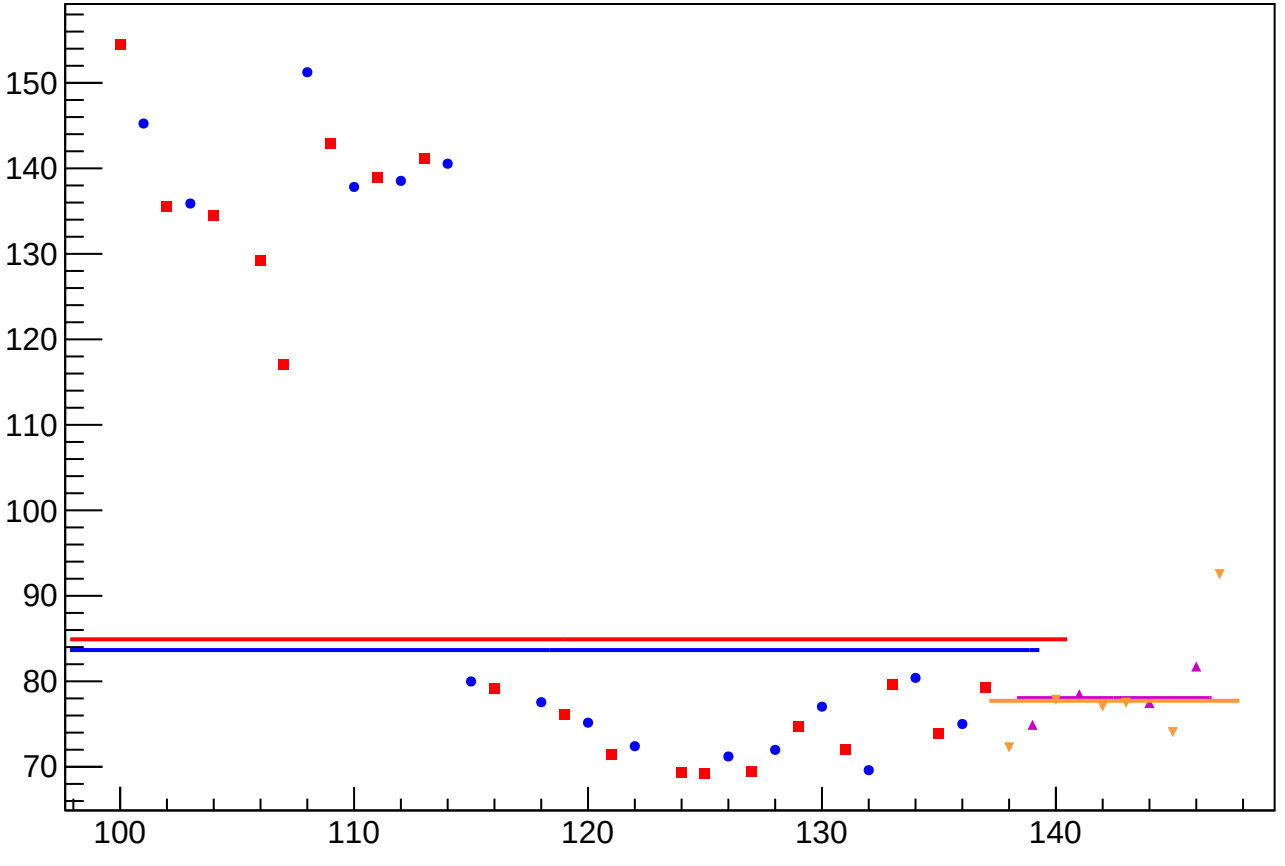
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -57.447+/-25.523 χ^2/NDF:30.7/19

Out: -28.155+/-24.311 χ^2/NDF:36.0/24

All: -42.089+/-17.604 χ^2/NDF: 67.4/44

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 77.724+/-0.026 χ^2/NDF:55101.6/5

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 78.037+/-0.029 χ^2/NDF:6731.2/3

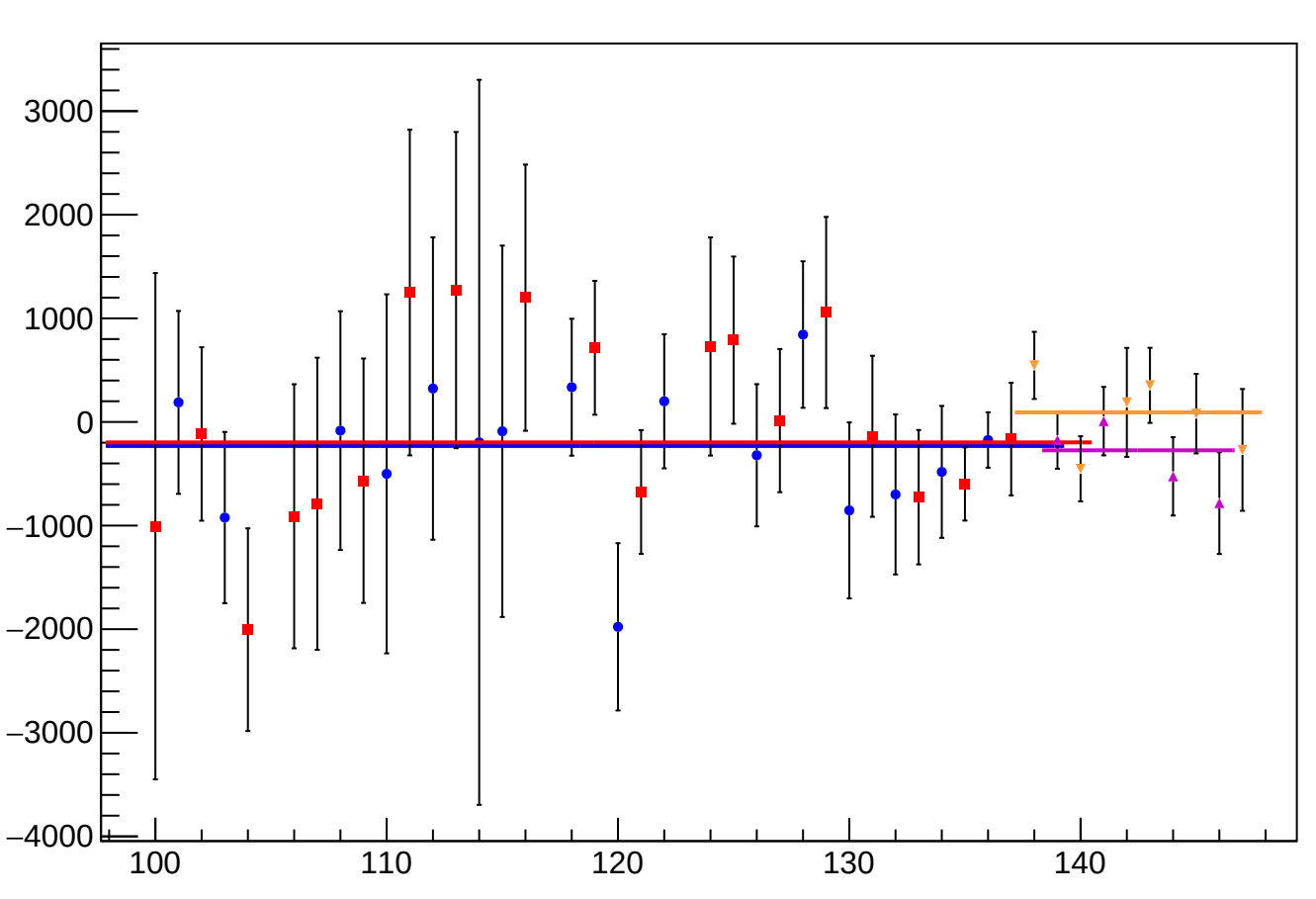
Left: 77.861+/-0.019 χ^2/NDF: 61896.3/9

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 81.547+/-0.018 χ^2/NDF:1064265.0/19

Out: 81.761+/-0.017 χ^2/NDF:1219828.0/24

All: 81.659+/-0.012 χ^2/NDF: 2284166.8/44



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 92.477+/-156.973 χ^2/NDF:5.9/5

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -273.771+/-173.123 χ^2/NDF:2.4/3

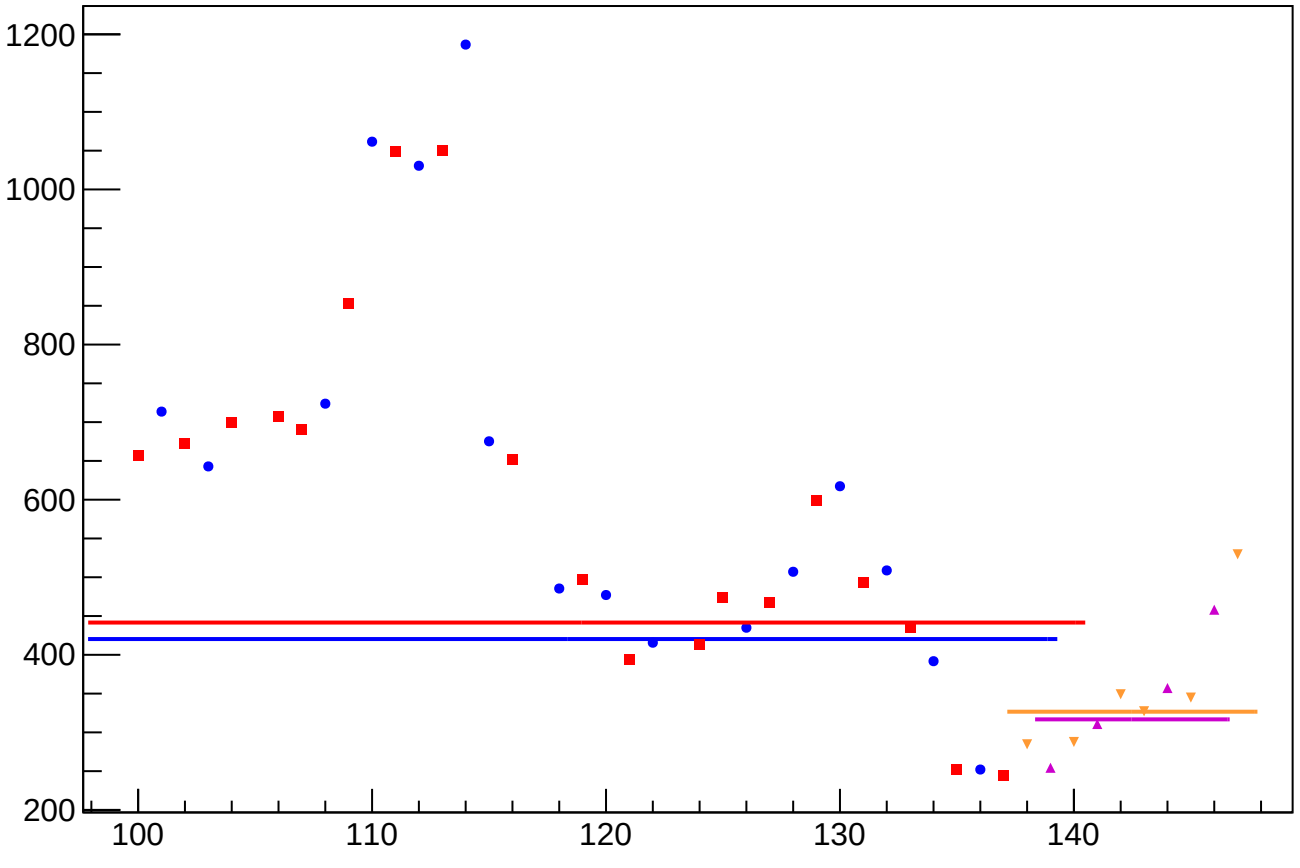
Left: -72.771+/-116.288 χ^2/NDF: 10.7/9

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -252.220+/-121.345 χ^2/NDF:12.8/19

Out: -35.791+/-117.175 χ^2/NDF:23.3/24

All: -140.223+/-84.291 χ^2/NDF: 37.8/44



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 326.654+/-0.111 χ^2/NDF:311098.8/5

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 316.768+/-0.122 χ^2/NDF:290949.9/3

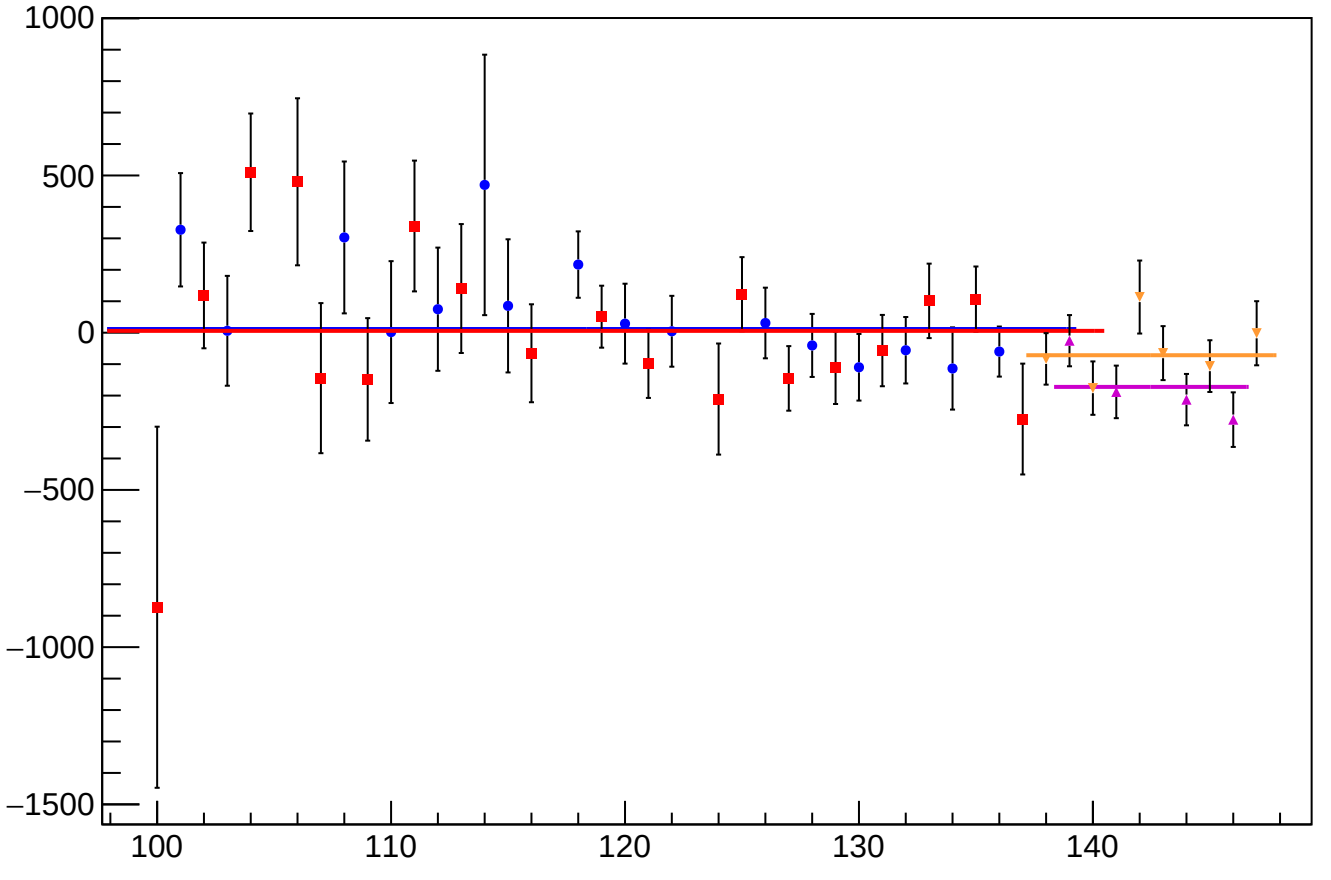
Left: 322.194+/-0.082 χ^2/NDF: 605628.2/9

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 369.451+/-0.086 χ^2/NDF:2909631.3/19

Out: 377.550+/-0.083 χ^2/NDF:3093521.4/24

All: 373.642+/-0.060 χ^2/NDF: 6007763.3/44



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -71.659+/-36.714 χ^2/NDF:4.7/5

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -172.374+/-41.653 χ^2/NDF:5.0/3

Left: -115.694+/-27.542 χ^2/NDF: 13.0/9

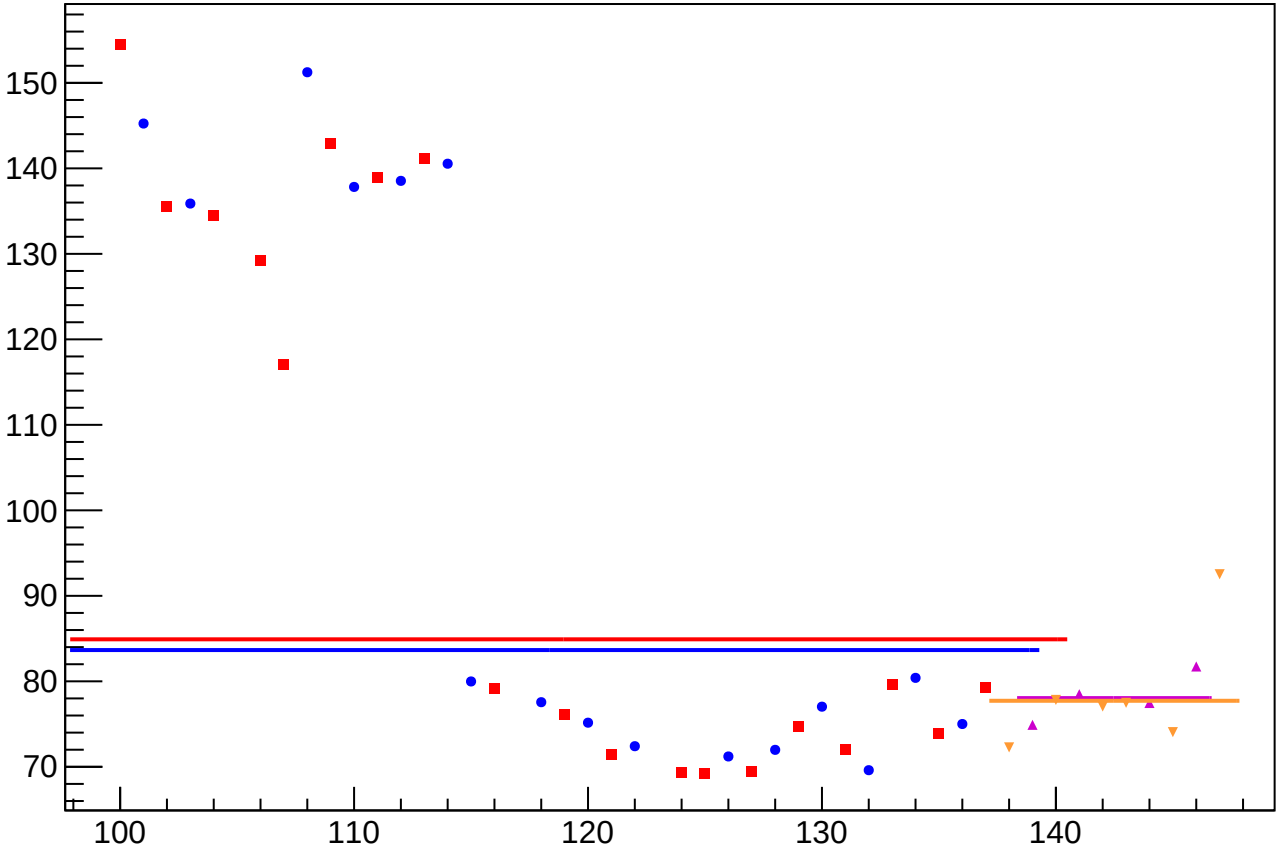
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -57.446+/-25.523 χ^2/NDF:30.7/19

Out: -28.156+/-24.311 χ^2/NDF:36.0/24

All: -42.089+/-17.604 χ^2/NDF: 67.4/44

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 77.724+/-0.026 χ^2/NDF:55101.3/5

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 78.037+/-0.029 χ^2/NDF:6731.3/3

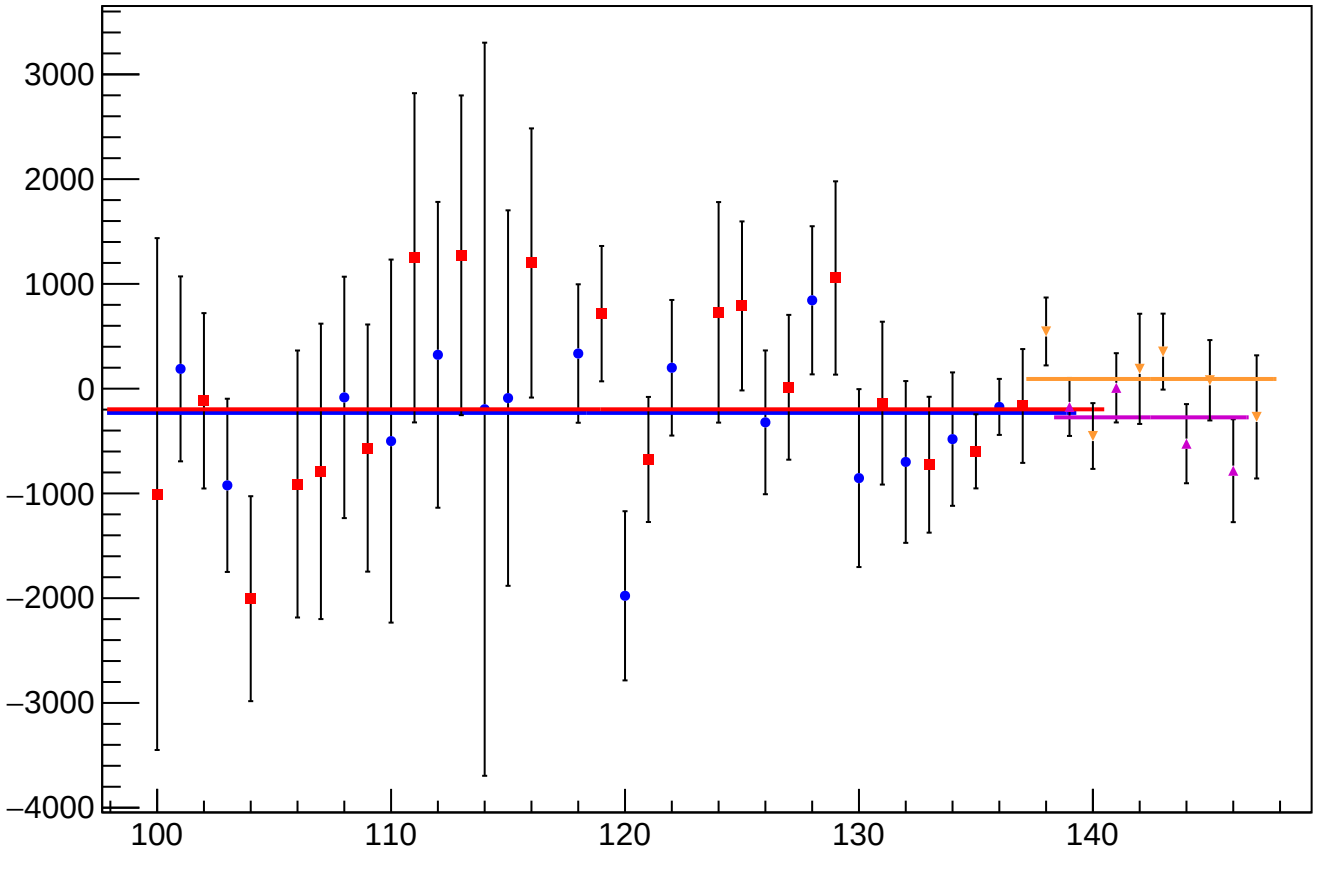
Left: 77.861+/-0.019 χ^2/NDF: 61896.1/9

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 81.547+/-0.018 χ^2/NDF:1064264.1/19

Out: 81.761+/-0.017 χ^2/NDF:1219825.9/24

All: 81.659+/-0.012 χ^2/NDF: 2284163.7/44



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 92.476+/-156.973 χ^2/NDF:5.9/5

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -273.771+/-173.122 χ^2/NDF:2.4/3

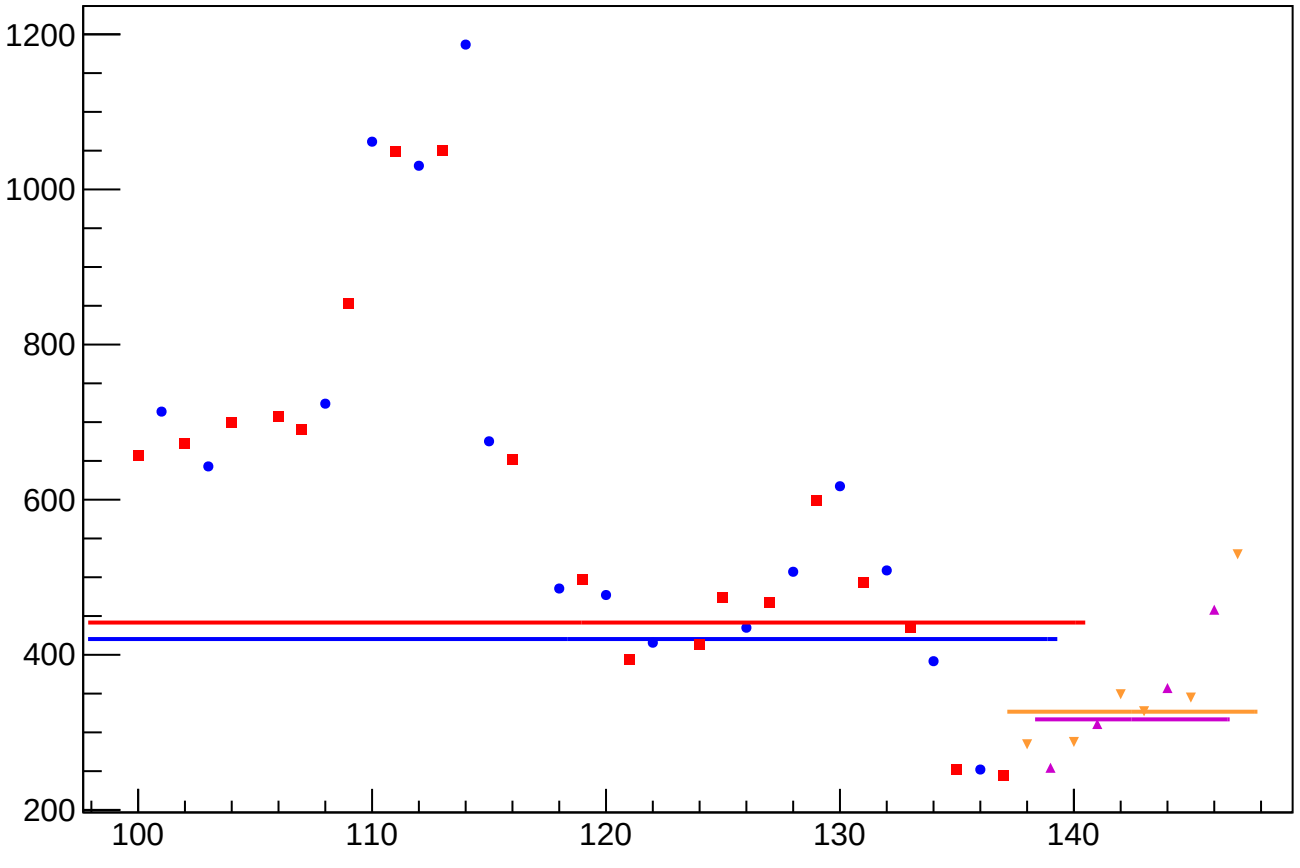
Left: -72.772+/-116.288 χ^2/NDF: 10.7/9

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -252.219+/-121.345 χ^2/NDF:12.8/19

Out: -35.792+/-117.175 χ^2/NDF:23.3/24

All: -140.223+/-84.291 χ^2/NDF: 37.8/44



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 326.654+/-0.111 χ^2/NDF:311098.4/5

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 316.768+/-0.122 χ^2/NDF:290950.5/3

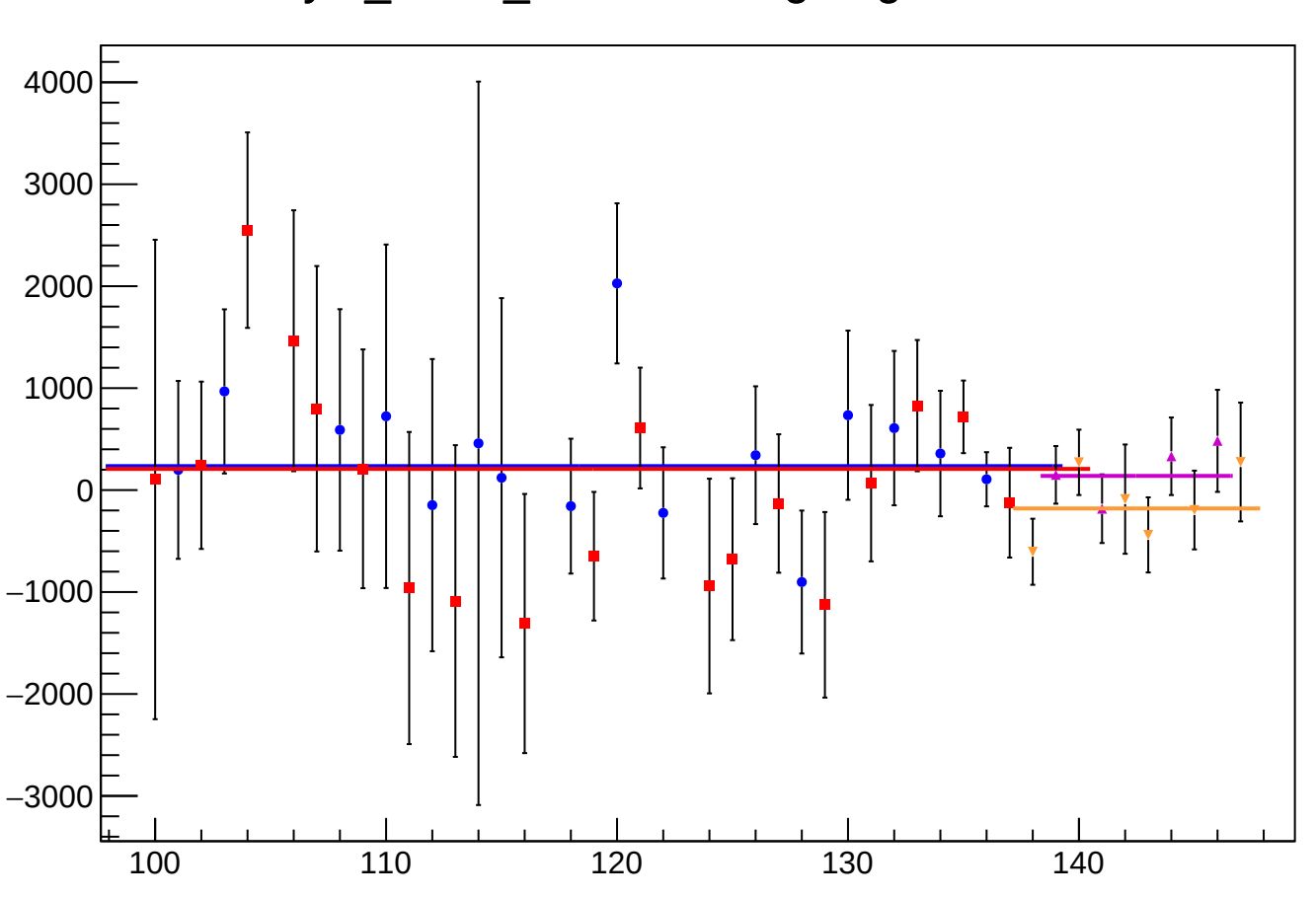
Left: 322.193+/-0.082 χ^2/NDF: 605628.4/9

Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 369.450+/-0.086 χ^2/NDF:2909634.9/19

Out: 377.549+/-0.083 χ^2/NDF:3093524.8/24

All: 373.641+/-0.060 χ^2/NDF: 6007770.3/44



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -180.186+/-158.607 χ^2/NDF:4.8/5

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: 138.920+/-176.101 χ^2/NDF:1.6/3

Left: -37.266+/-117.853 χ^2/NDF: 8.3/9

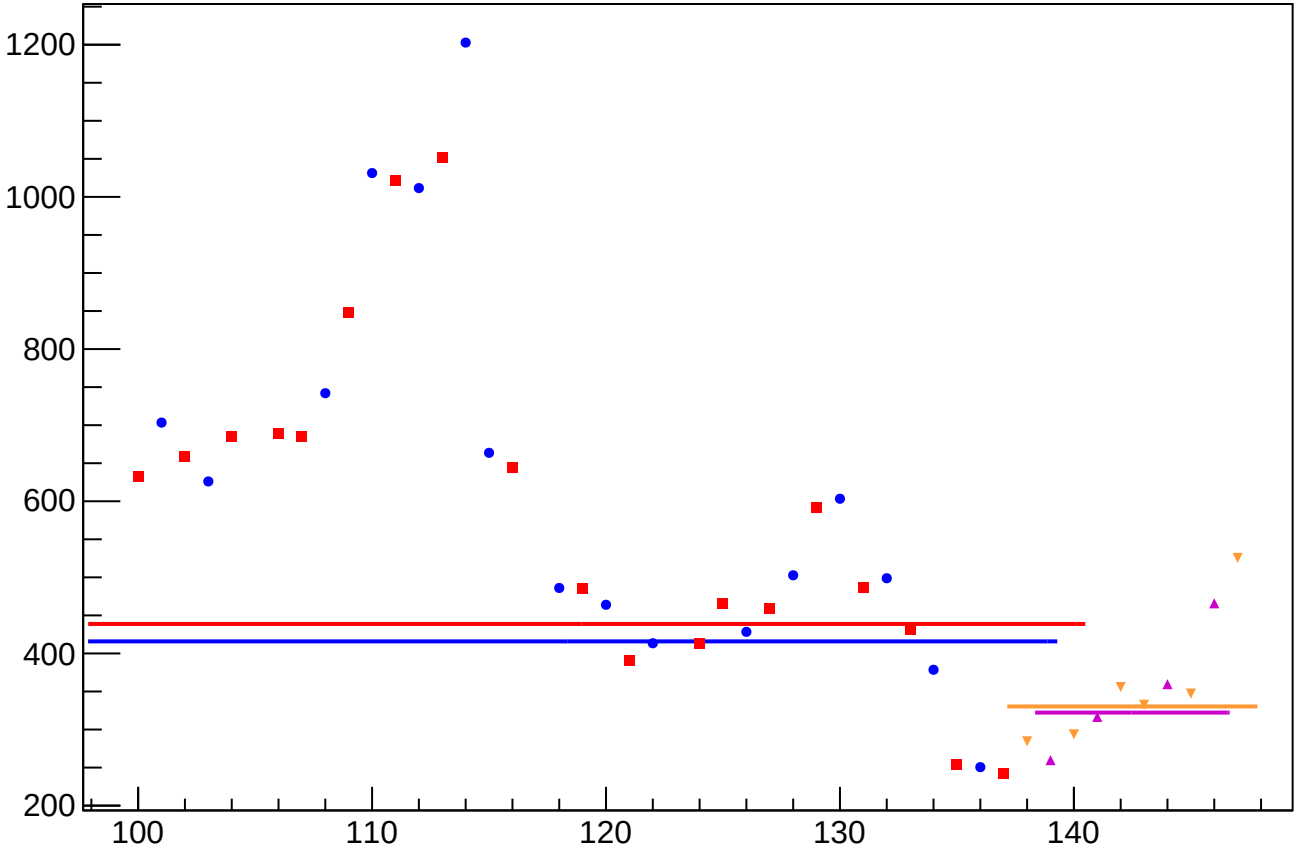
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 189.192+/-121.632 χ^2/NDF:12.5/19

Out: -4.839+/-117.435 χ^2/NDF:27.9/24

All: 88.771+/-84.484 χ^2/NDF: 41.7/44

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 330.337+/-0.112 χ^2/NDF:299162.2/5

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 322.260+/-0.125 χ^2/NDF:282266.0/3

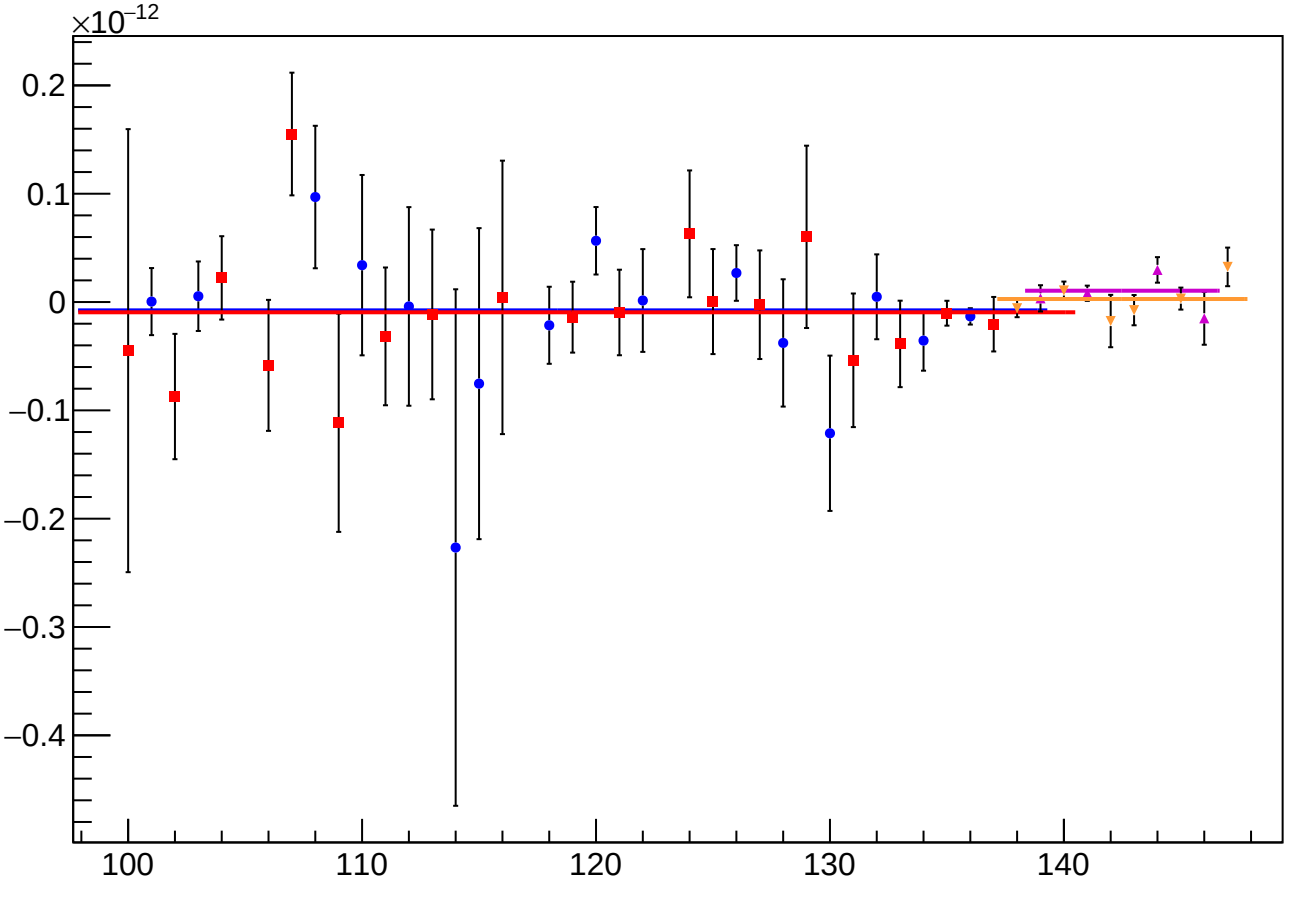
Left: 326.719+/-0.083 χ^2/NDF: 583751.1/9

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 371.196+/-0.086 χ^2/NDF:2801555.3/19

Out: 379.327+/-0.083 χ^2/NDF:2956282.7/24

All: 375.404+/-0.060 χ^2/NDF: 5762462.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/3

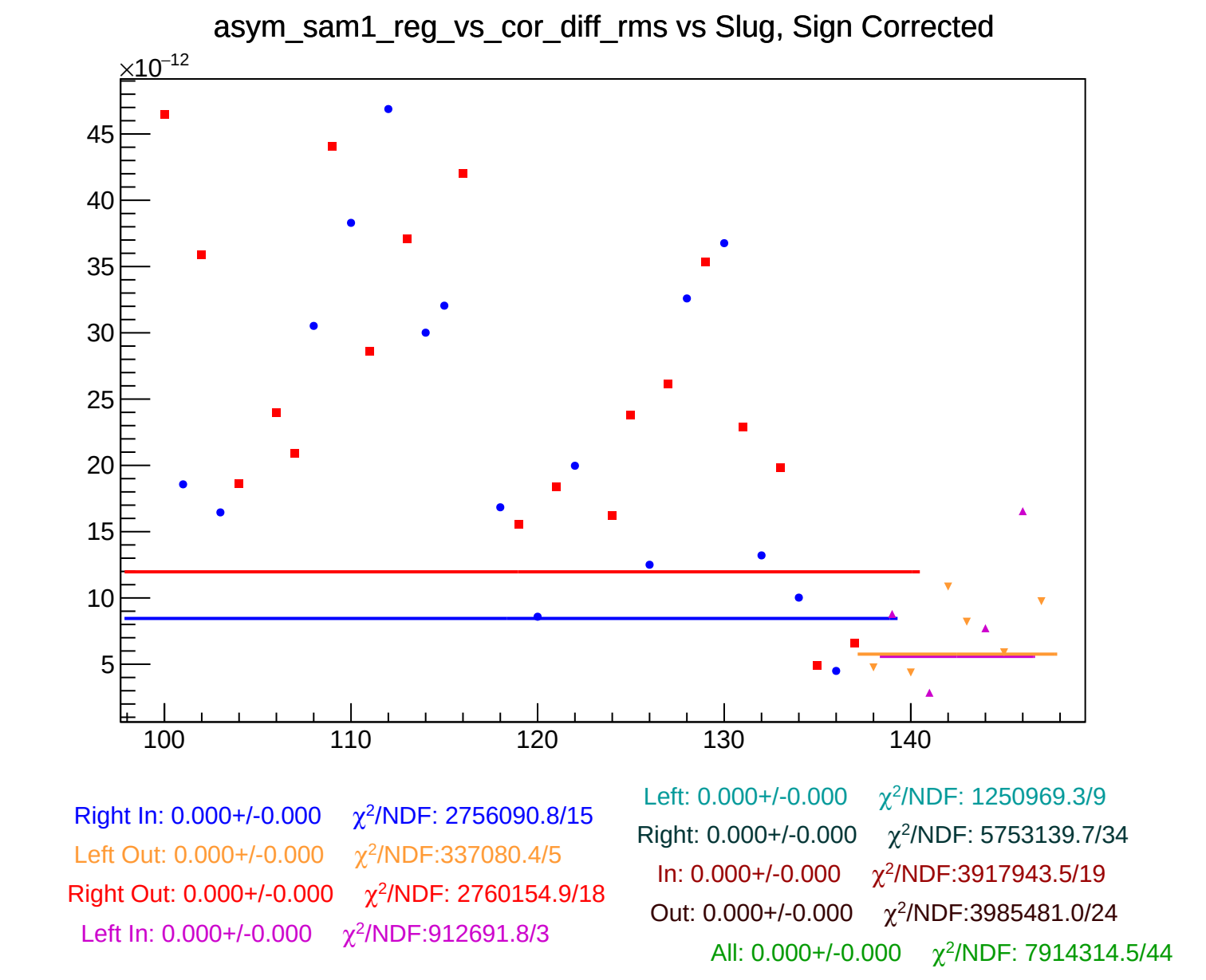
Left: 0.000+/-0.000 χ^2/NDF: 11.4/9

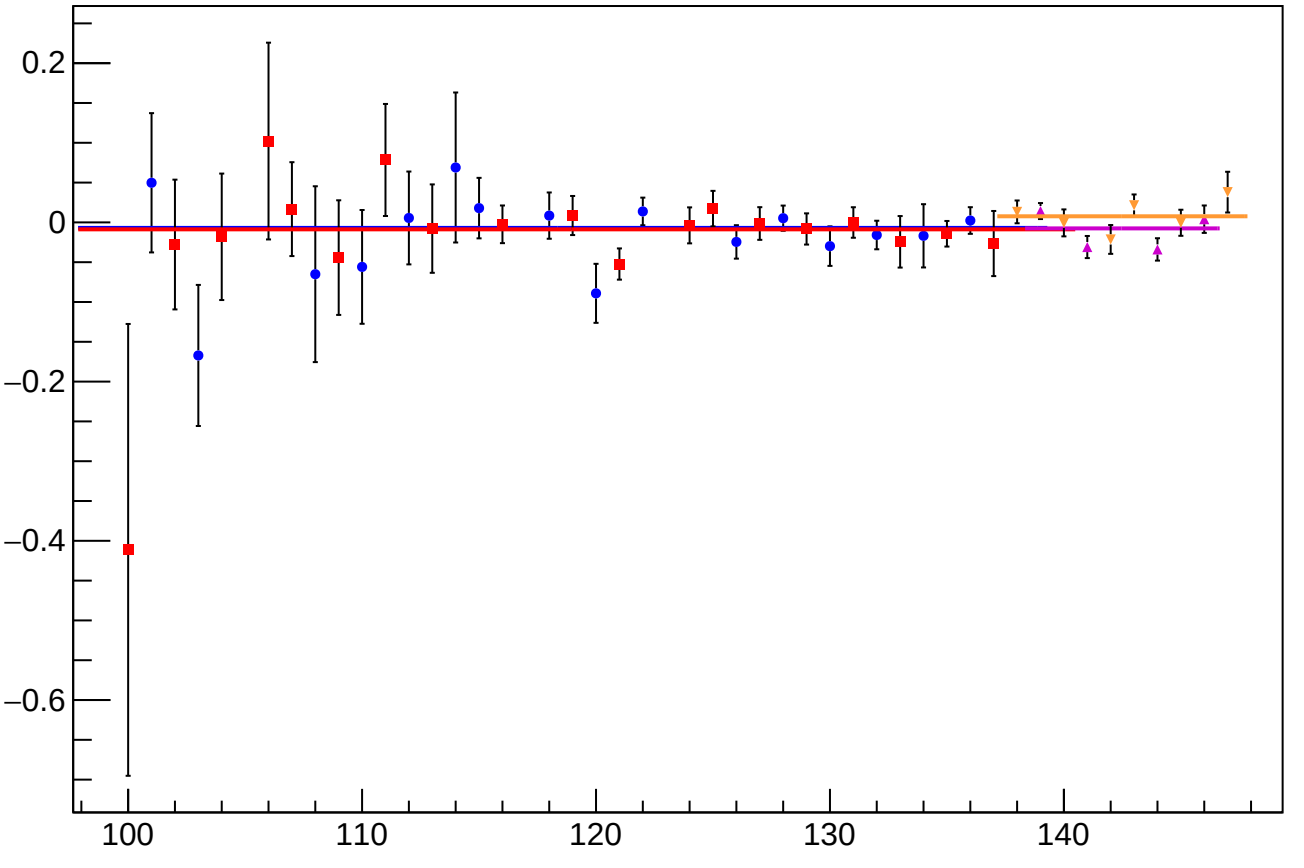
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:24.0/19

Out: -0.000+/-0.000 χ^2/NDF:24.1/24

All: 0.000+/-0.000 χ^2/NDF: 48.3/44


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
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:337080.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:912691.8/3
Left: 0.000+/-0.000 χ²/NDF: 1250969.3/9
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:3917943.5/19
Out: 0.000+/-0.000 χ²/NDF:3985481.0/24
All: 0.000+/-0.000 χ²/NDF: 7914314.5/44



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.007 χ^2/NDF:11.5/3

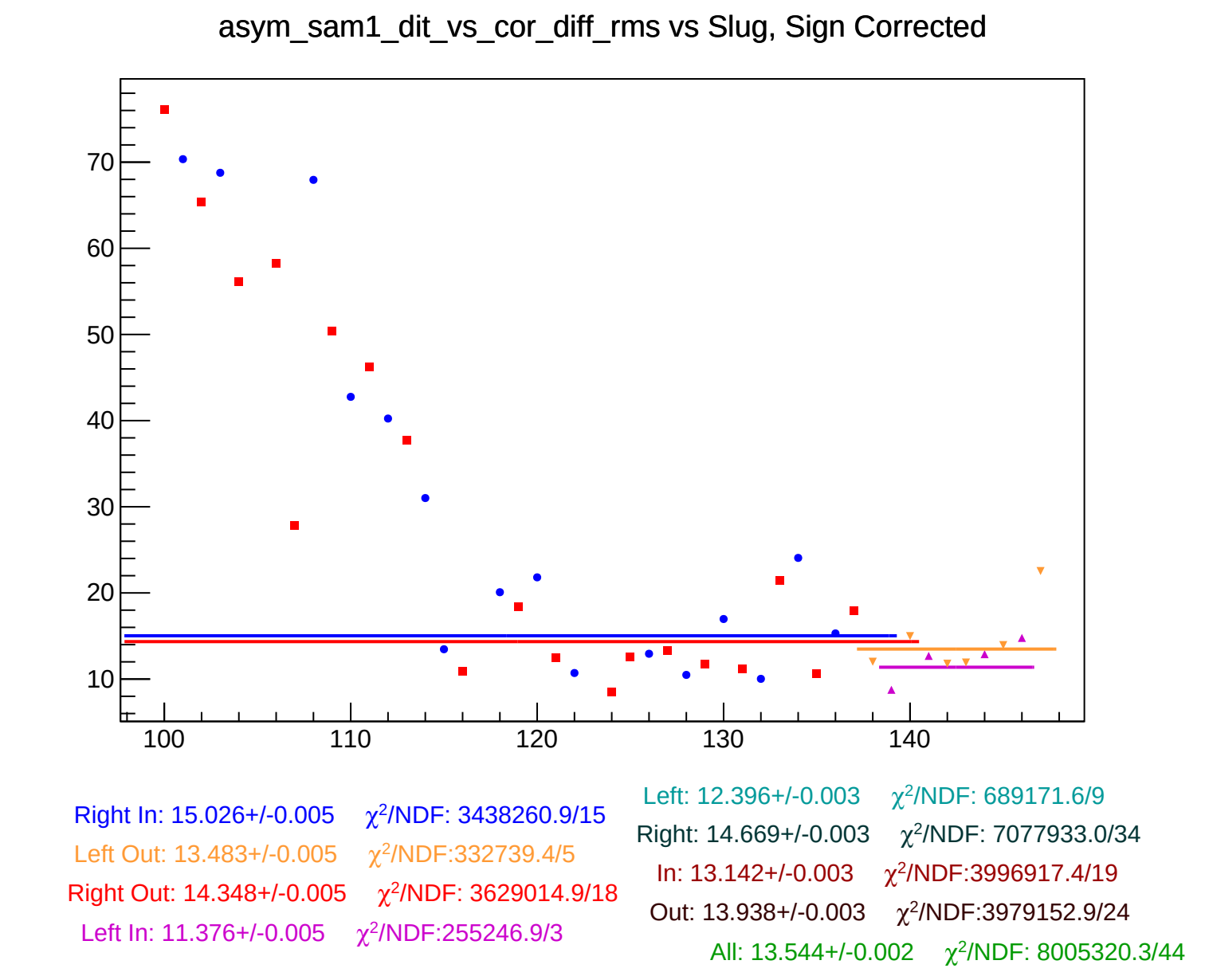
Left: -0.000+/-0.005 χ^2/NDF: 19.8/9

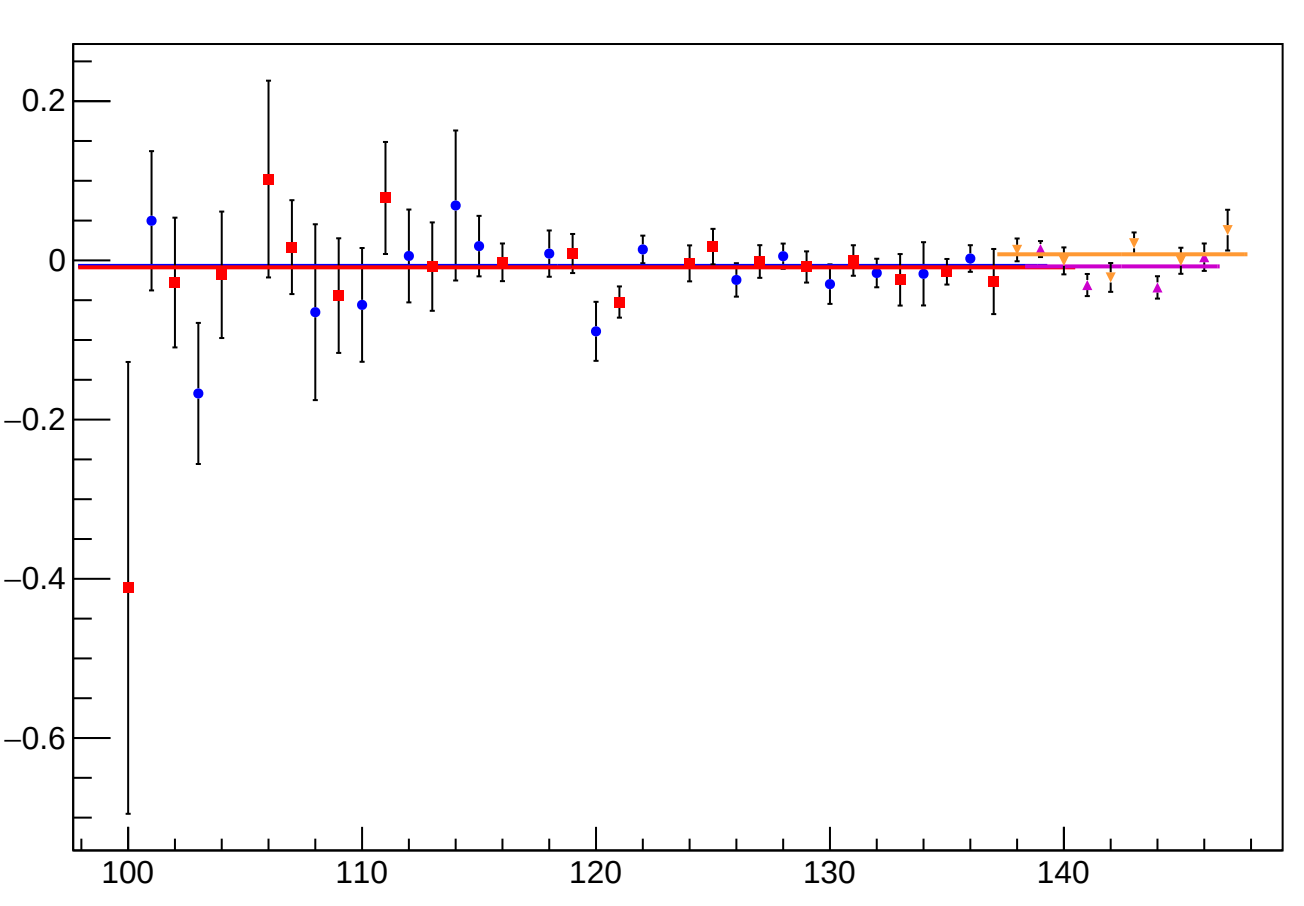
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/19

Out: -0.001+/-0.005 χ^2/NDF:21.4/24

All: -0.004+/-0.003 χ^2/NDF: 48.8/44


asym_sam1_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 15.026+/-0.005 χ²/NDF: 3438260.9/15
Left Out: 13.483+/-0.005 χ²/NDF:332739.4/5
Right Out: 14.348+/-0.005 χ²/NDF: 3629014.9/18
Left In: 11.376+/-0.005 χ²/NDF:255246.9/3
Left: 12.396+/-0.003 χ²/NDF: 689171.6/9
Right: 14.669+/-0.003 χ²/NDF: 7077933.0/34
In: 13.142+/-0.003 χ²/NDF:3996917.4/19
Out: 13.938+/-0.003 χ²/NDF:3979152.9/24
All: 13.544+/-0.002 χ²/NDF: 8005320.3/44



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.007 χ^2/NDF:11.5/3

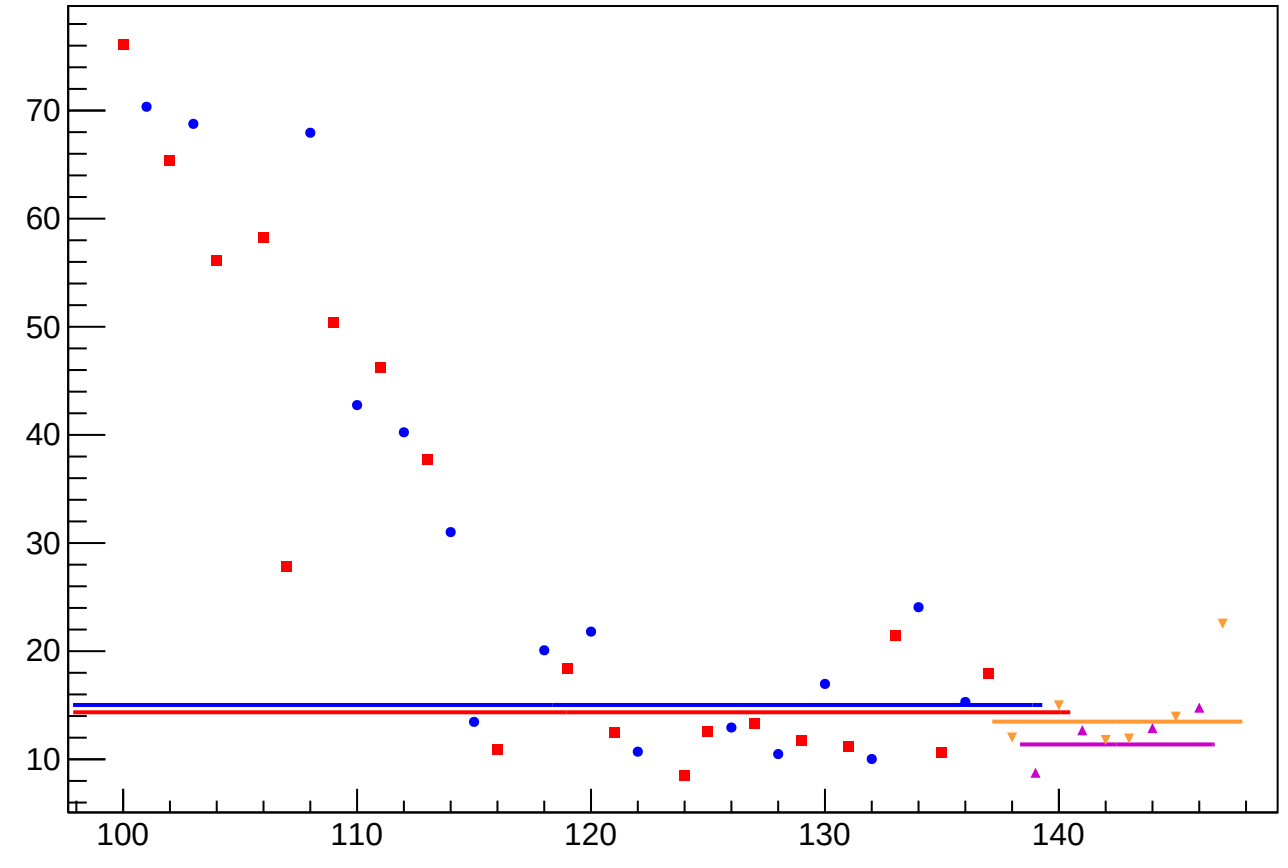
Left: -0.000+/-0.005 χ^2/NDF: 19.8/9

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/19

Out: -0.001+/-0.005 χ^2/NDF:21.4/24

All: -0.004+/-0.003 χ^2/NDF: 48.8/44



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 13.483+/-0.005 χ^2/NDF:332739.4/5

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255246.9/3

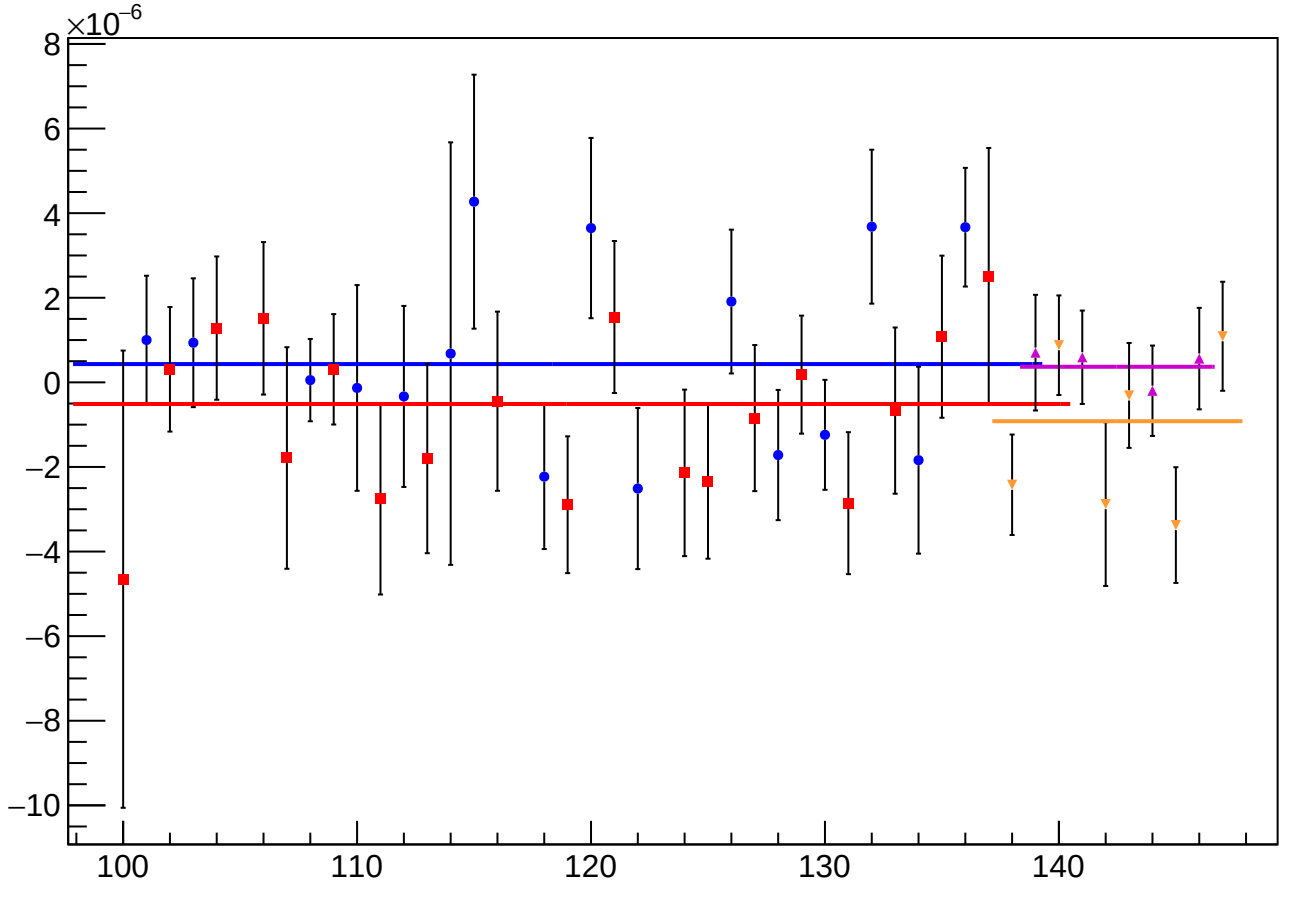
Left: 12.396+/-0.003 χ^2/NDF: 689171.6/9

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.142+/-0.003 χ^2/NDF:3996917.4/19

Out: 13.938+/-0.003 χ^2/NDF:3979152.9/24

All: 13.544+/-0.002 χ^2/NDF: 8005320.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:0.4/3

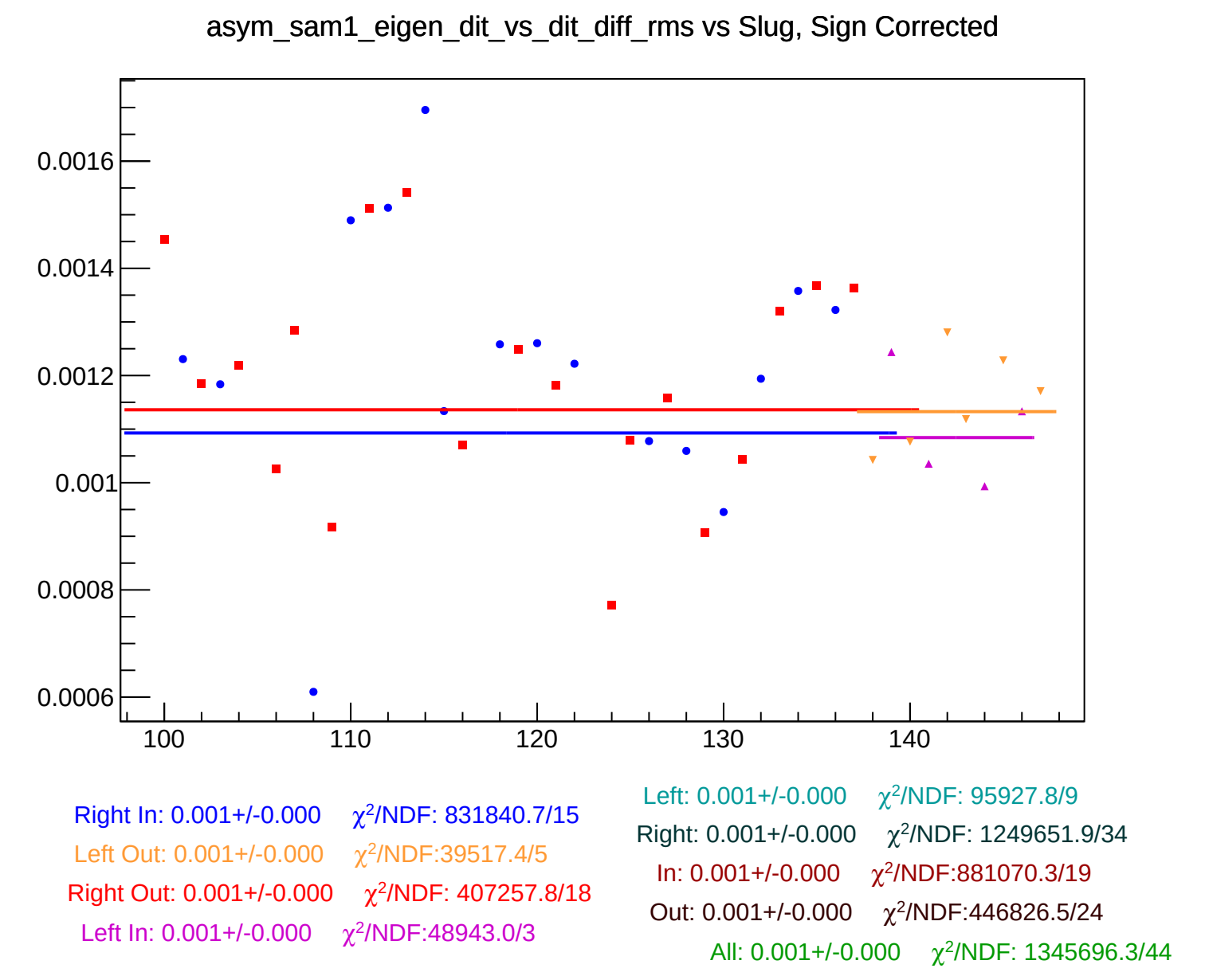
Left: -0.000+/-0.000 χ^2/NDF: 13.9/9

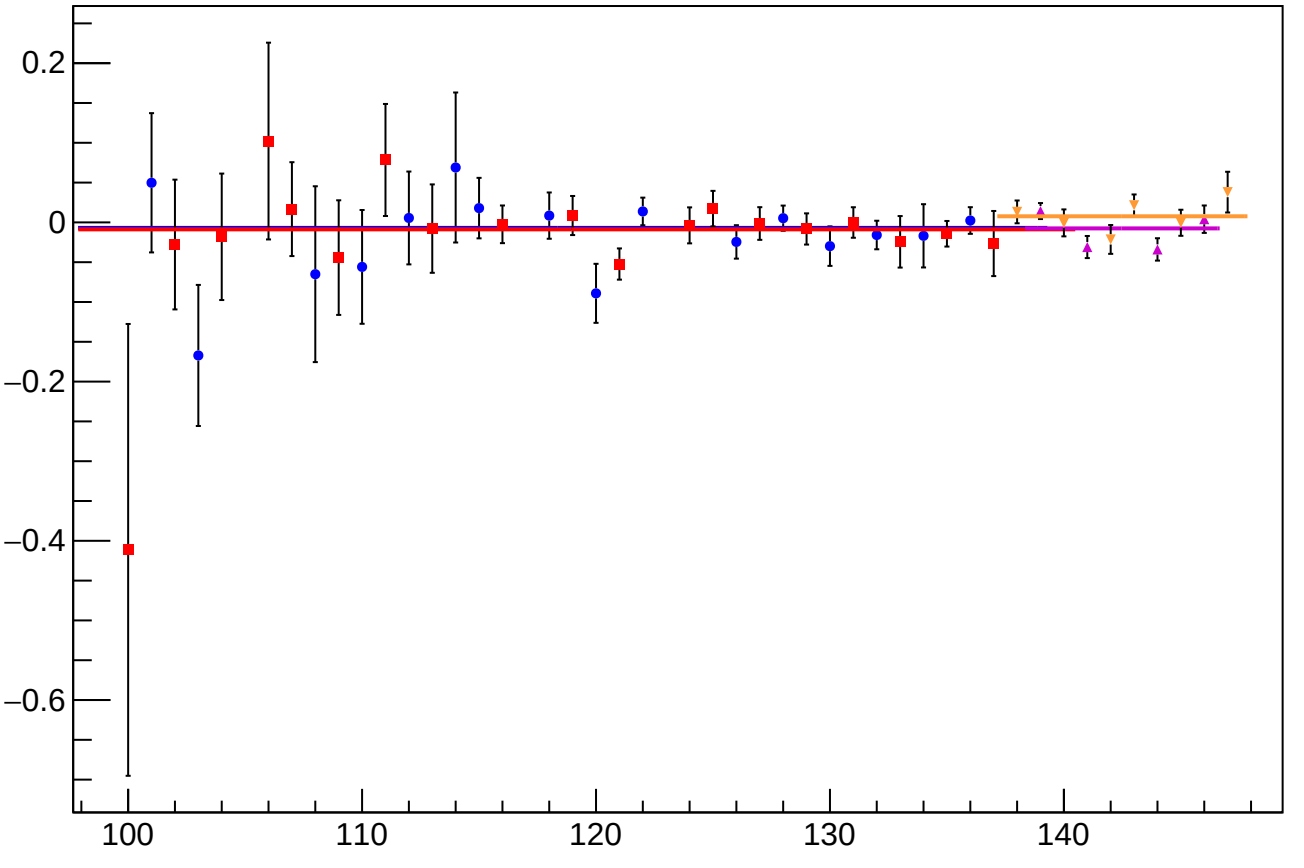
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:23.6/19

Out: -0.000+/-0.000 χ^2/NDF:25.5/24

All: -0.000+/-0.000 χ^2/NDF: 54.3/44


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:39517.4/5
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:48943.0/3
Left: 0.001+/-0.000 χ²/NDF: 95927.8/9
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:881070.3/19
Out: 0.001+/-0.000 χ²/NDF:446826.5/24
All: 0.001+/-0.000 χ²/NDF: 1345696.3/44



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.007 χ^2/NDF:11.5/3

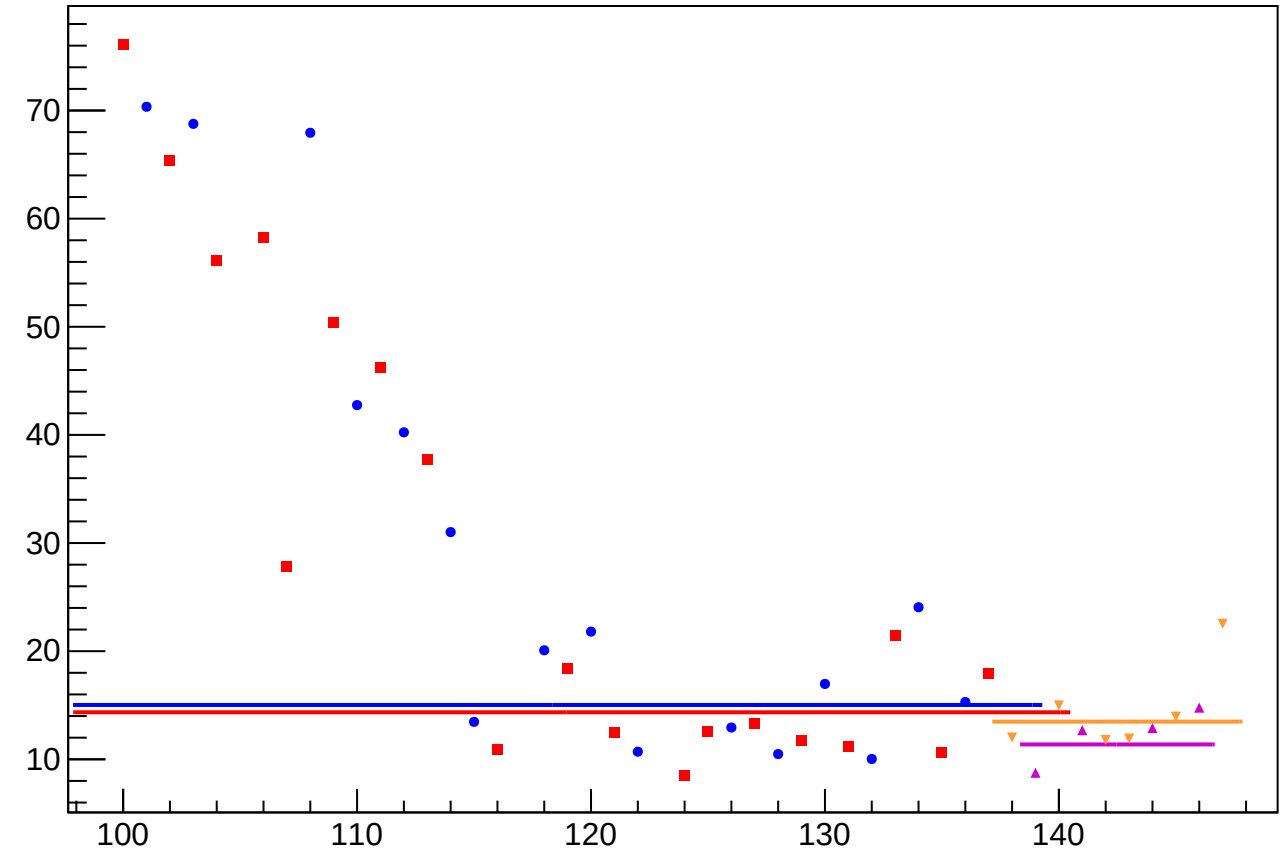
Left: -0.000+/-0.005 χ^2/NDF: 19.8/9

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/19

Out: -0.001+/-0.005 χ^2/NDF:21.4/24

All: -0.004+/-0.003 χ^2/NDF: 48.8/44



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 13.483+/-0.005 χ^2/NDF:332732.9/5

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255261.2/3

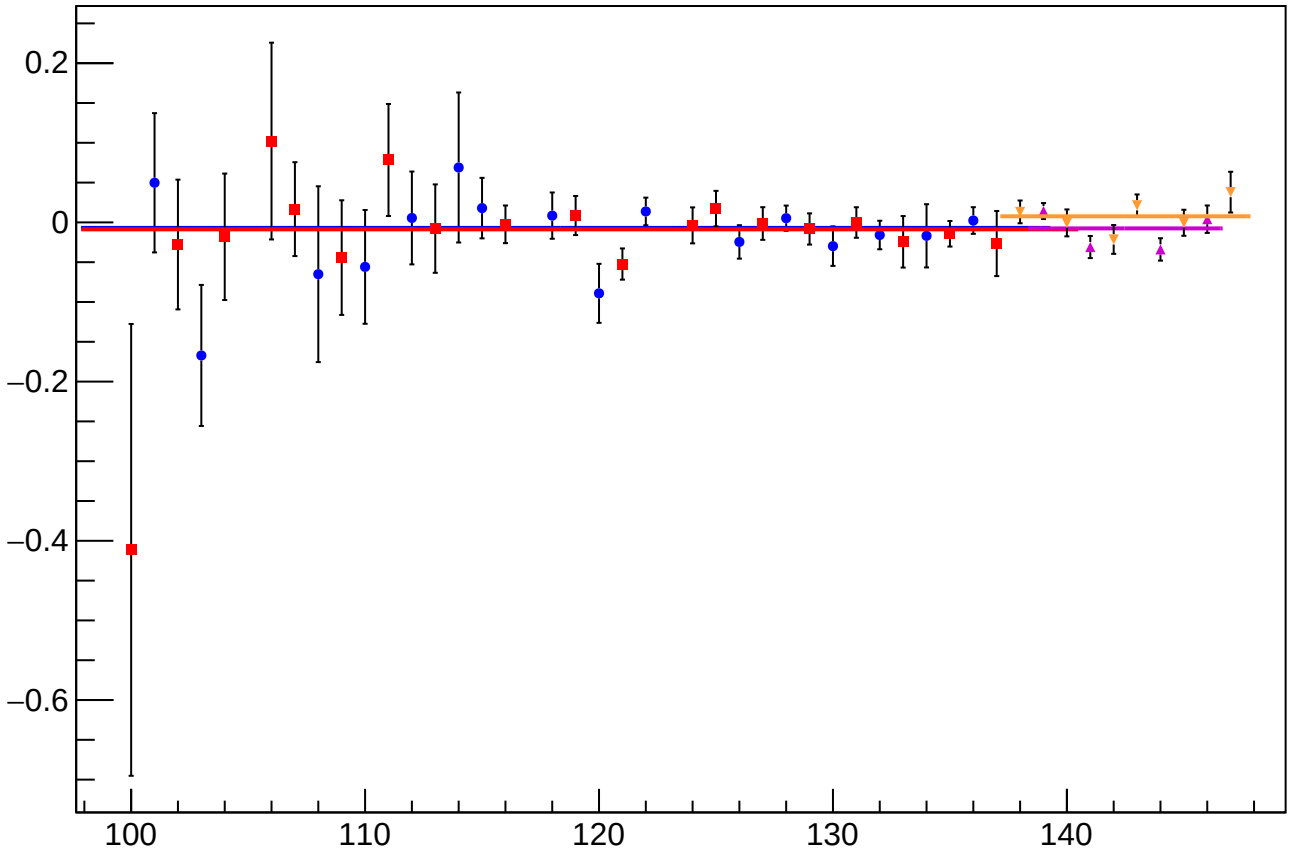
Left: 12.396+/-0.003 χ^2/NDF: 689186.5/9

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.142+/-0.003 χ^2/NDF:3996927.6/19

Out: 13.938+/-0.003 χ^2/NDF:3979130.7/24

All: 13.544+/-0.002 χ^2/NDF: 8005313.3/44



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.008+/-0.007 χ^2/NDF:5.7/5

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.008+/-0.007 χ^2/NDF:11.5/3

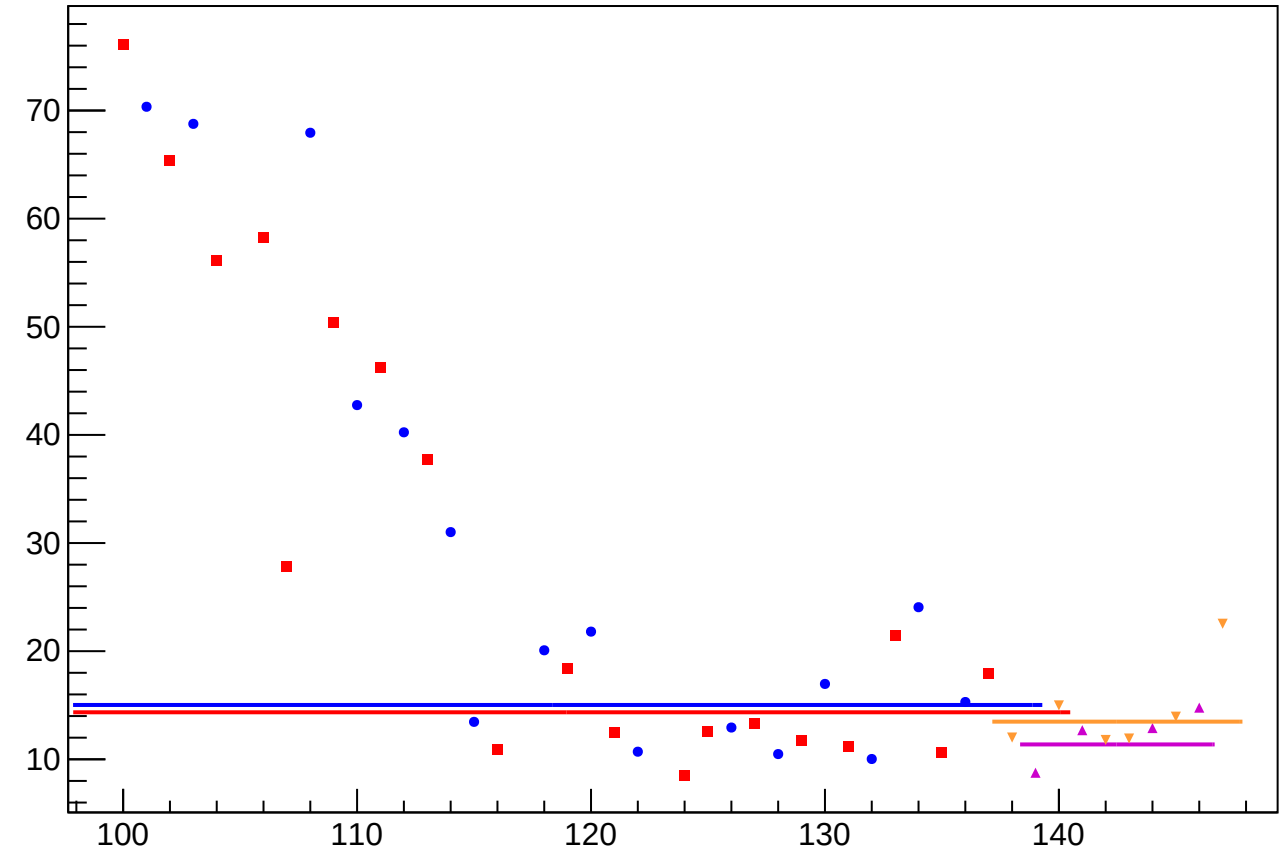
Left: -0.000+/-0.005 χ^2/NDF: 19.8/9

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.005 χ^2/NDF:26.5/19

Out: -0.001+/-0.005 χ^2/NDF:21.4/24

All: -0.004+/-0.003 χ^2/NDF: 48.8/44



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 13.483+/-0.005 χ^2/NDF:332732.9/5

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 11.376+/-0.005 χ^2/NDF:255261.2/3

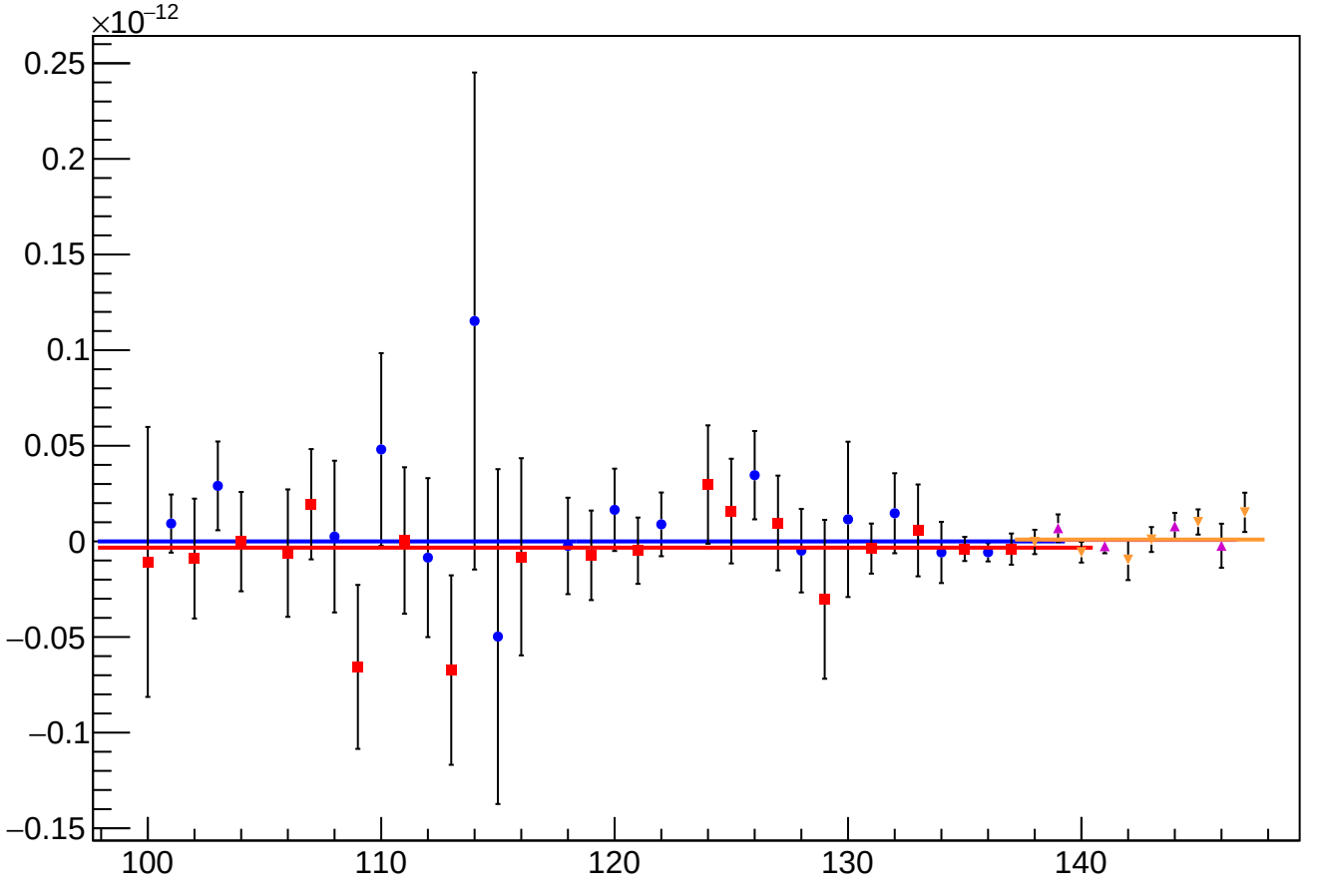
Left: 12.396+/-0.003 χ^2/NDF: 689186.5/9

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.142+/-0.003 χ^2/NDF:3996927.6/19

Out: 13.938+/-0.003 χ^2/NDF:3979130.7/24

All: 13.544+/-0.002 χ^2/NDF: 8005313.3/44



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/3

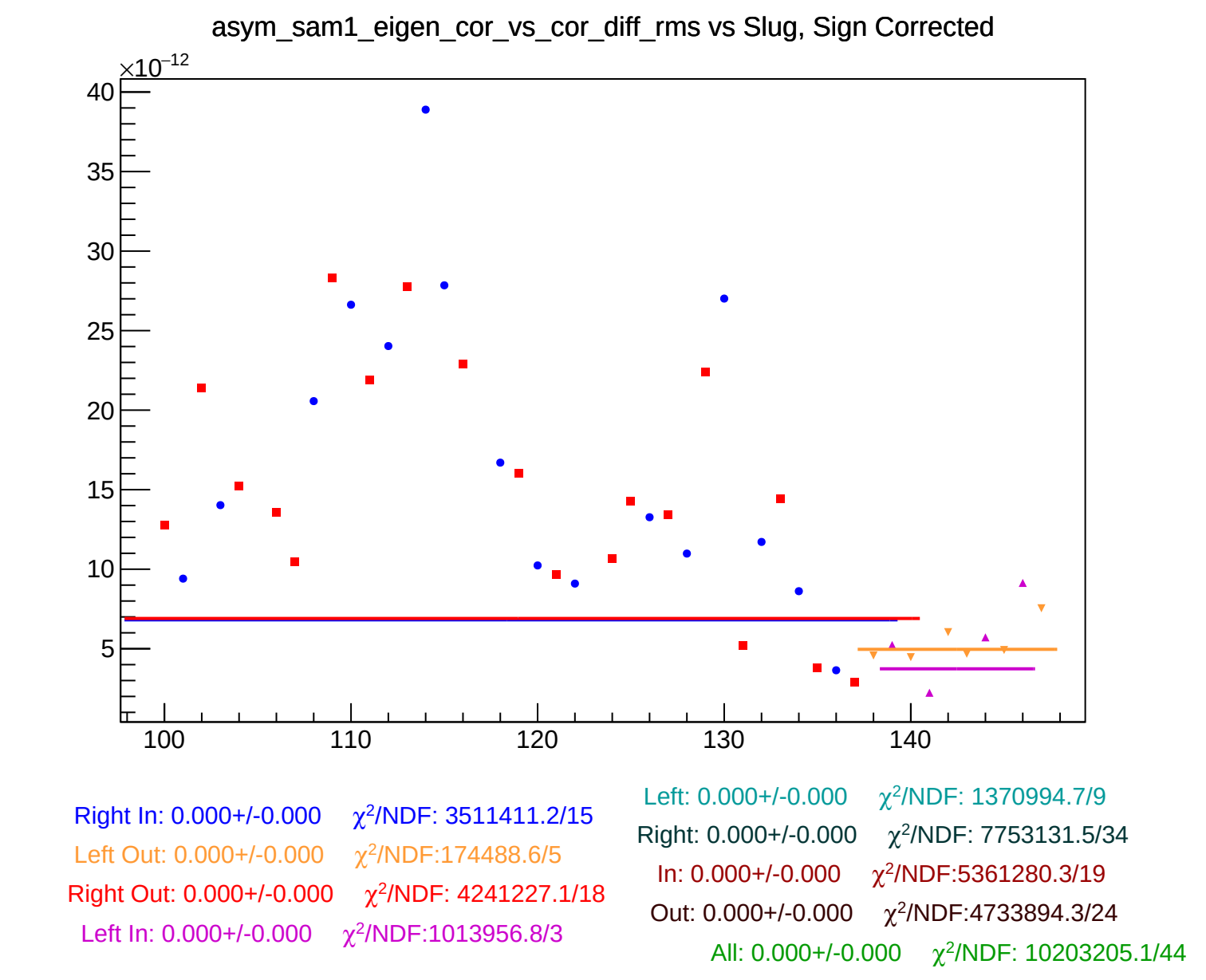
Left: 0.000+/-0.000 χ^2/NDF: 9.0/9

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

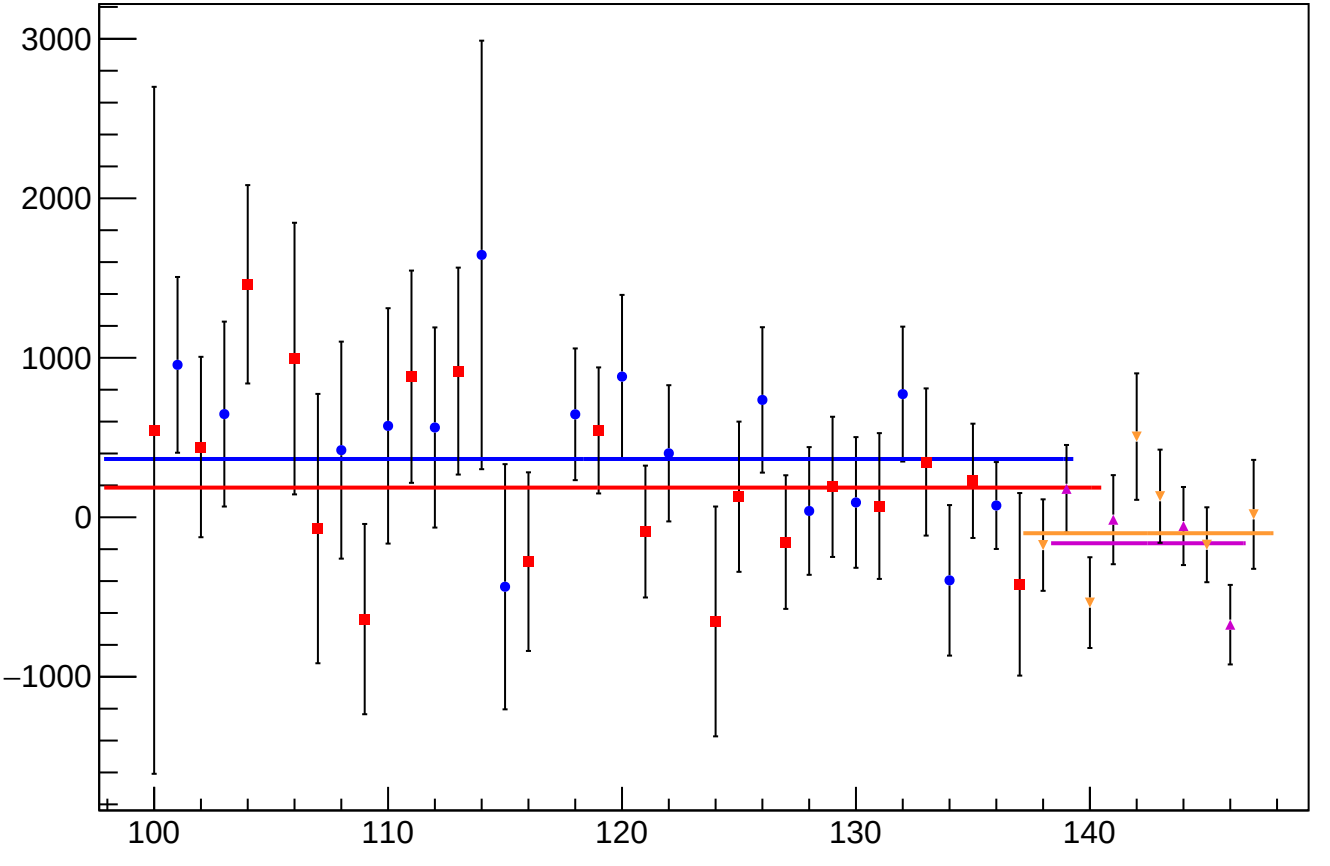
In: 0.000+/-0.000 χ^2/NDF:11.9/19

Out: -0.000+/-0.000 χ^2/NDF:14.1/24

All: -0.000+/-0.000 χ^2/NDF: 26.1/44


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
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:174488.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:1013956.8/3
Left: 0.000+/-0.000 χ²/NDF: 1370994.7/9
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5361280.3/19
Out: 0.000+/-0.000 χ²/NDF:4733894.3/24
All: 0.000+/-0.000 χ²/NDF: 10203205.1/44

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -99.935+/-120.147 χ^2/NDF:5.6/5

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -162.804+/-130.413 χ^2/NDF:6.2/3

Left: -128.798+/-88.364 χ^2/NDF: 11.9/9

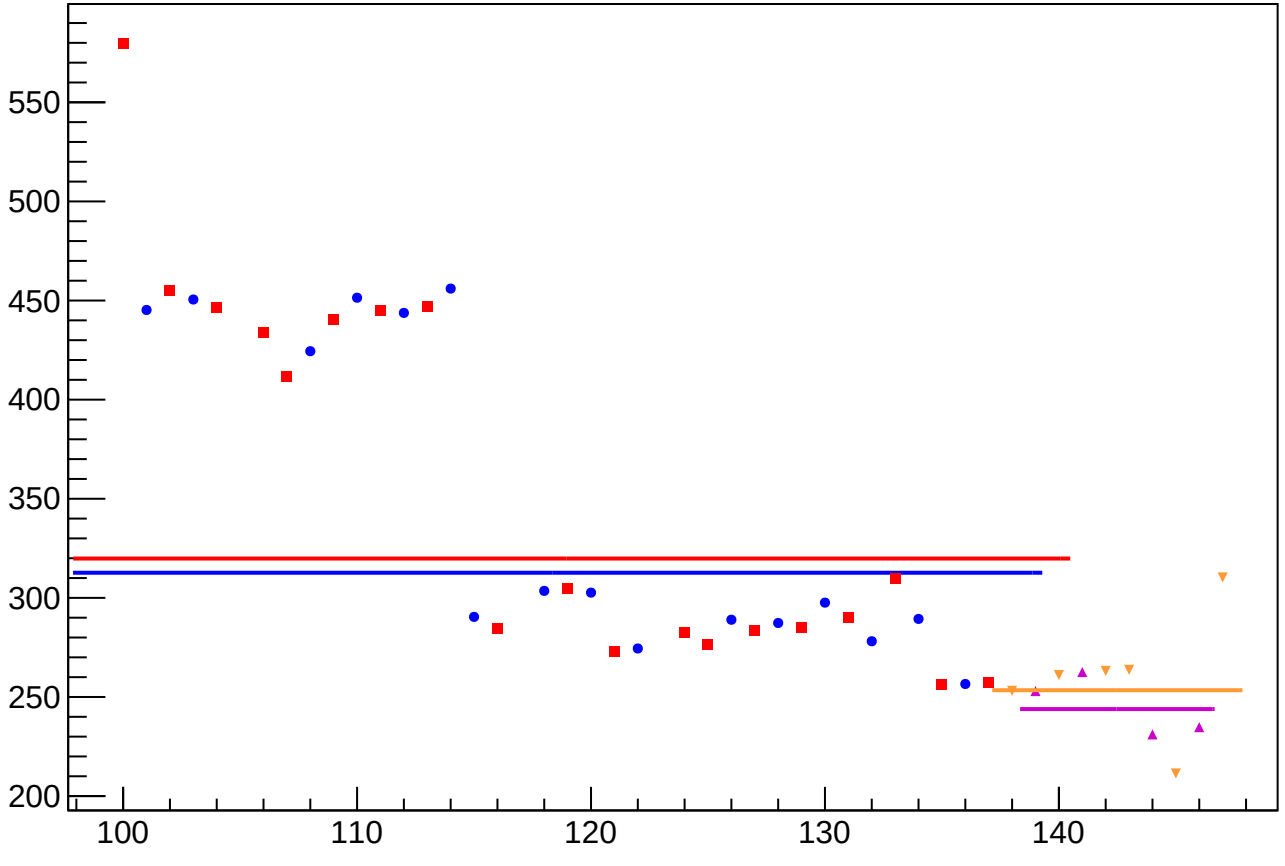
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 125.774+/-87.853 χ^2/NDF:26.7/19

Out: 43.055+/-84.971 χ^2/NDF:23.4/24

All: 83.035+/-61.077 χ^2/NDF: 50.5/44

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 253.414+/-0.085 χ^2/NDF:124578.5/5

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

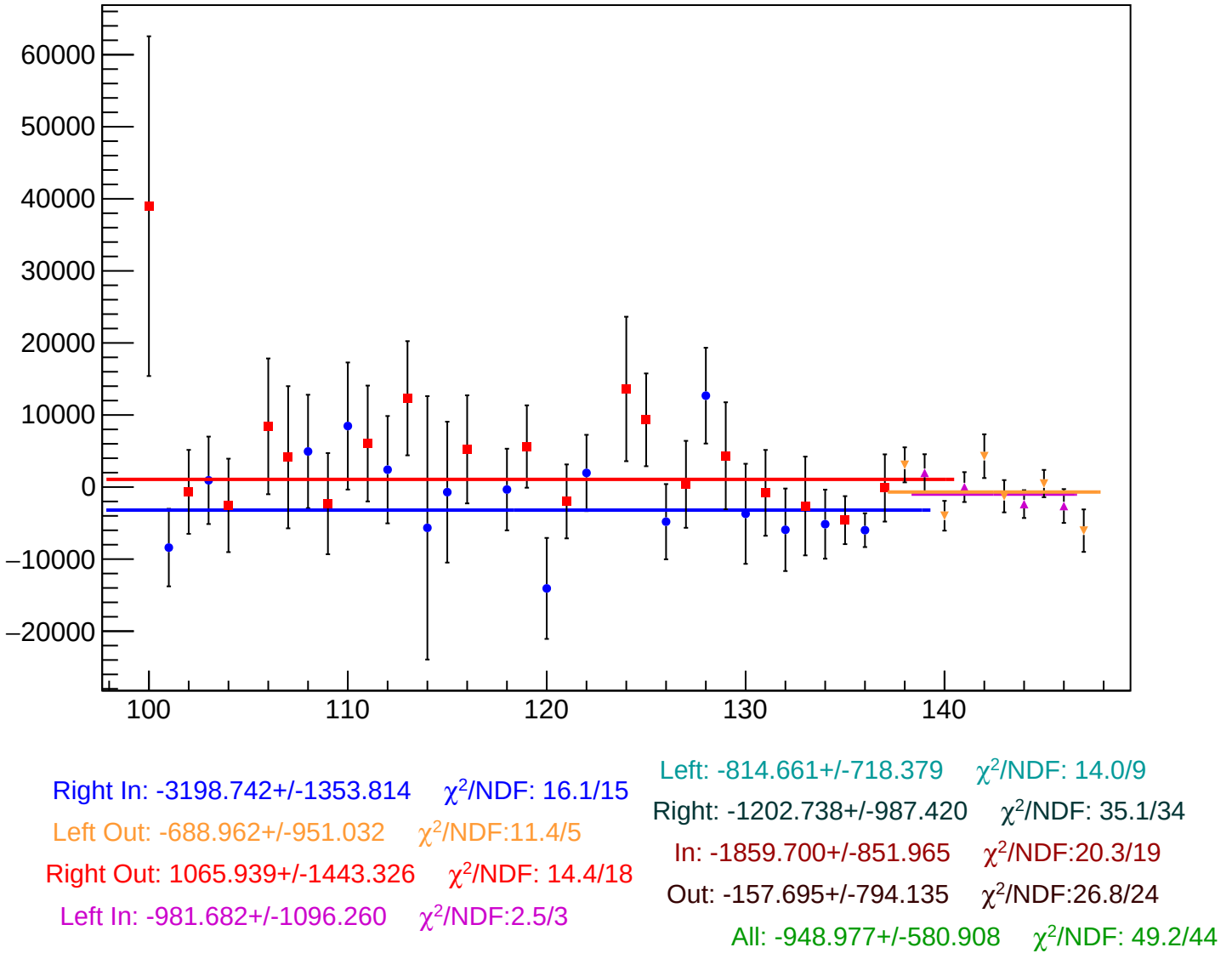
Left: 249.048+/-0.062 χ^2/NDF: 149569.6/9

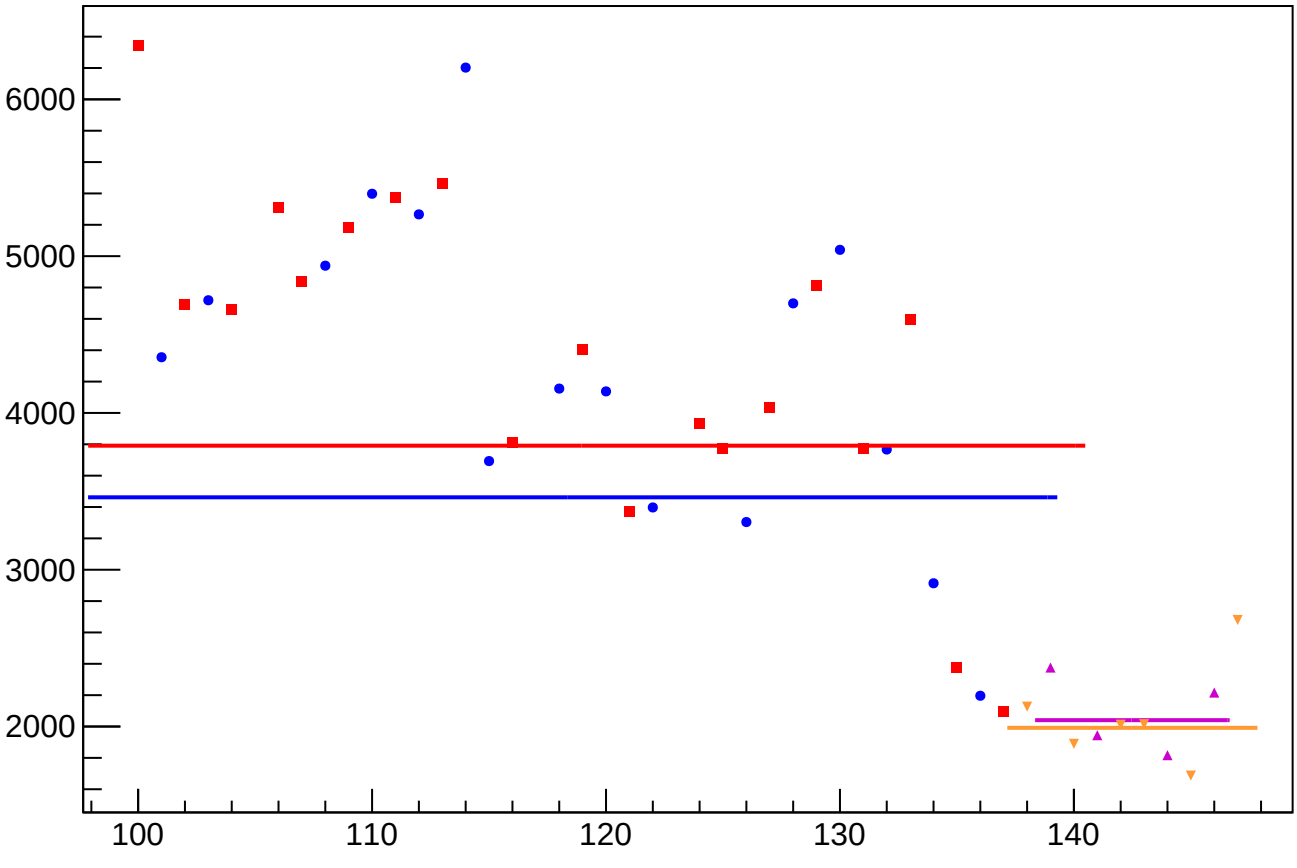
Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 281.471+/-0.062 χ^2/NDF:925275.0/19

Out: 286.616+/-0.060 χ^2/NDF:1128030.8/24

All: 284.129+/-0.043 χ^2/NDF: 2056849.6/44


asym_sam2_reg_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -3198.742+/-1353.814 χ²/NDF: 16.1/15
Left Out: -688.962+/-951.032 χ²/NDF:11.4/5
Right Out: 1065.939+/-1443.326 χ²/NDF: 14.4/18
Left In: -981.682+/-1096.260 χ²/NDF:2.5/3
Left: -814.661+/-718.379 χ²/NDF: 14.0/9
Right: -1202.738+/-987.420 χ²/NDF: 35.1/34
In: -1859.700+/-851.965 χ²/NDF:20.3/19
Out: -157.695+/-794.135 χ²/NDF:26.8/24
All: -948.977+/-580.908 χ²/NDF: 49.2/44



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 1991.658+/-0.672 χ^2/NDF:171994.8/5

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2040.554+/-0.775 χ^2/NDF:76068.4/3

Left: 2012.655+/-0.508 χ^2/NDF: 250333.4/9

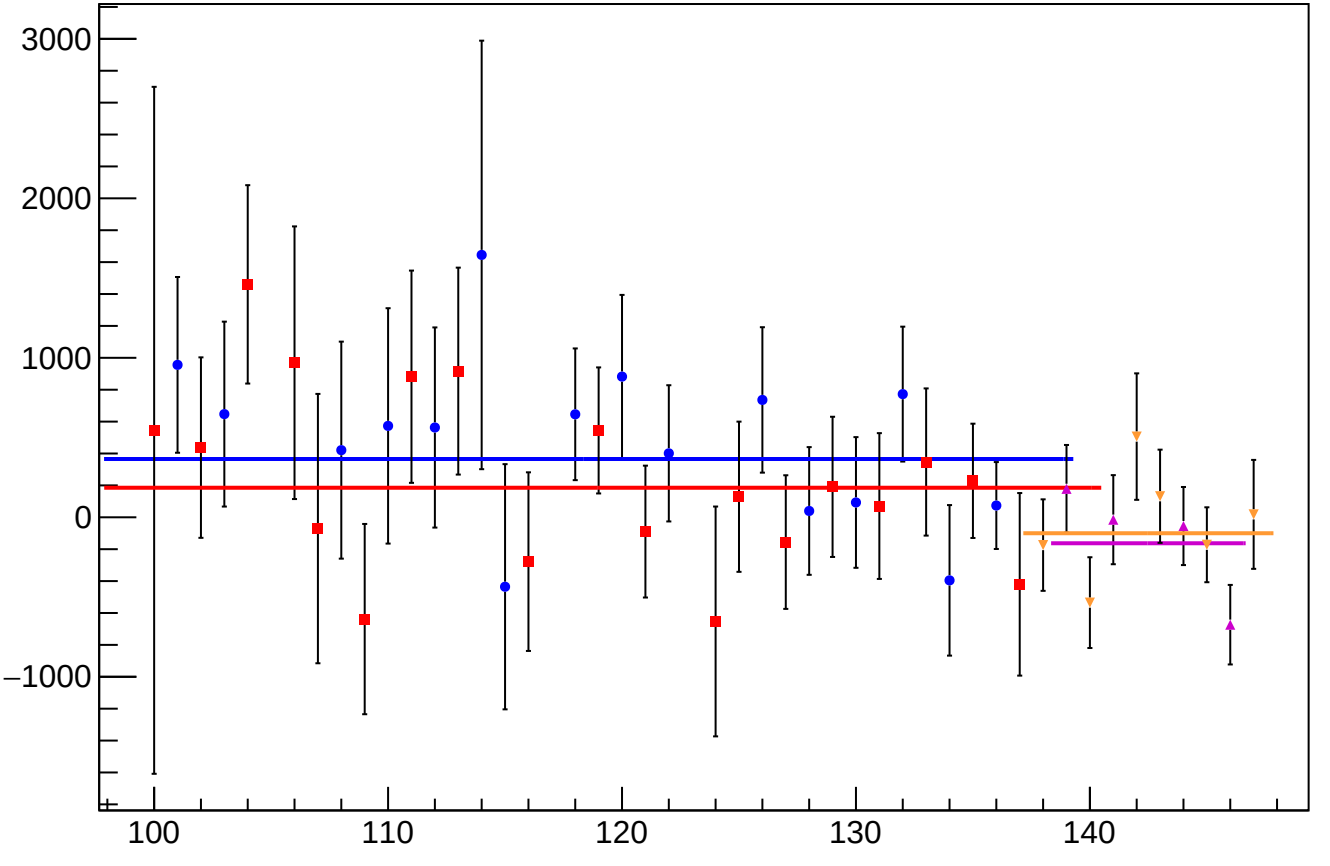
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2603.458+/-0.602 χ^2/NDF:2717161.0/19

Out: 2536.442+/-0.562 χ^2/NDF:3495591.4/24

All: 2567.598+/-0.411 χ^2/NDF: 6219374.2/44

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -99.943+/-120.147 χ^2/NDF:5.6/5

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -162.802+/-130.413 χ^2/NDF:6.2/3

Left: -128.801+/-88.364 χ^2/NDF: 11.9/9

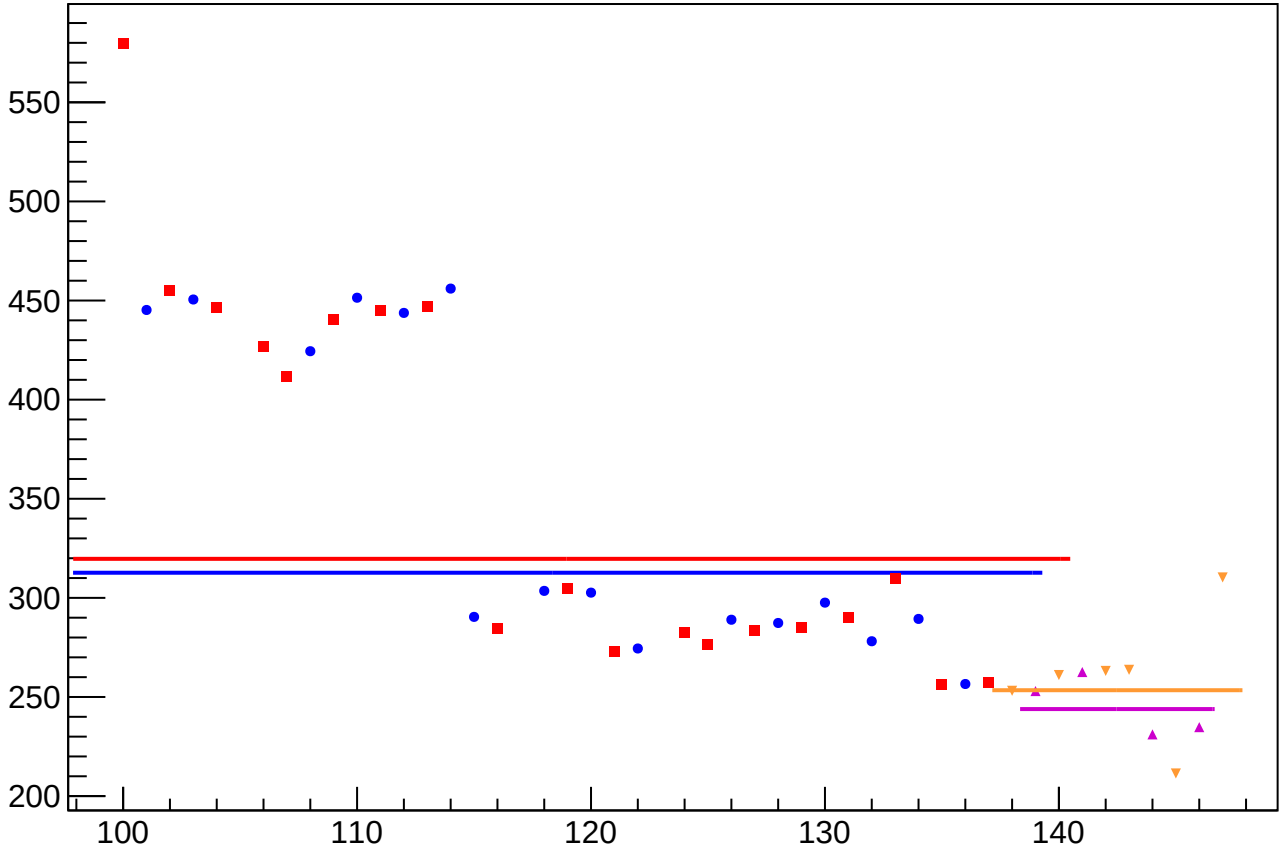
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 125.766+/-87.853 χ^2/NDF:26.7/19

Out: 42.633+/-84.975 χ^2/NDF:23.3/24

All: 82.815+/-61.079 χ^2/NDF: 50.5/44

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 253.414+/-0.085 χ^2/NDF:124578.6/5

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

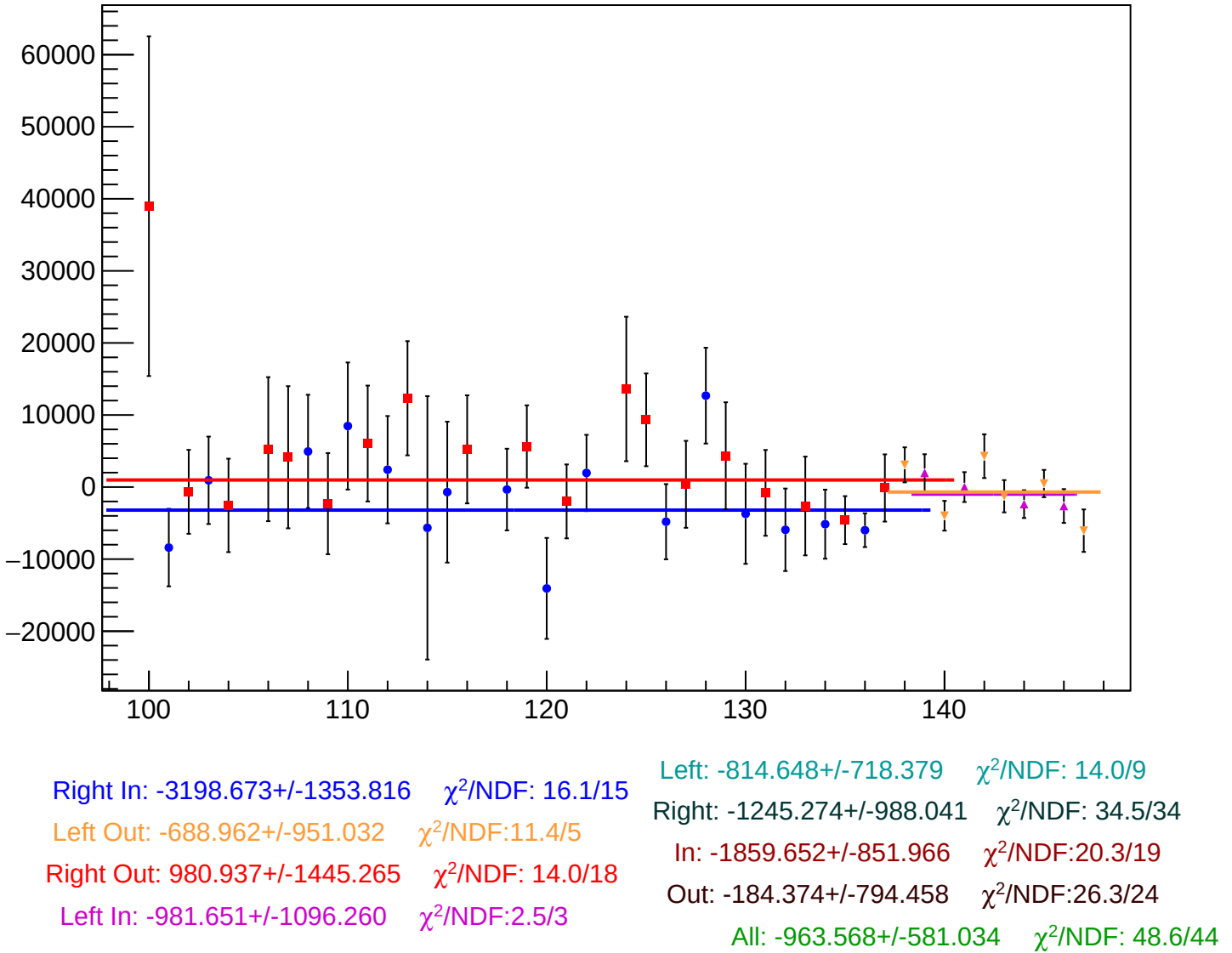
Left: 249.048+/-0.062 χ^2/NDF: 149569.6/9

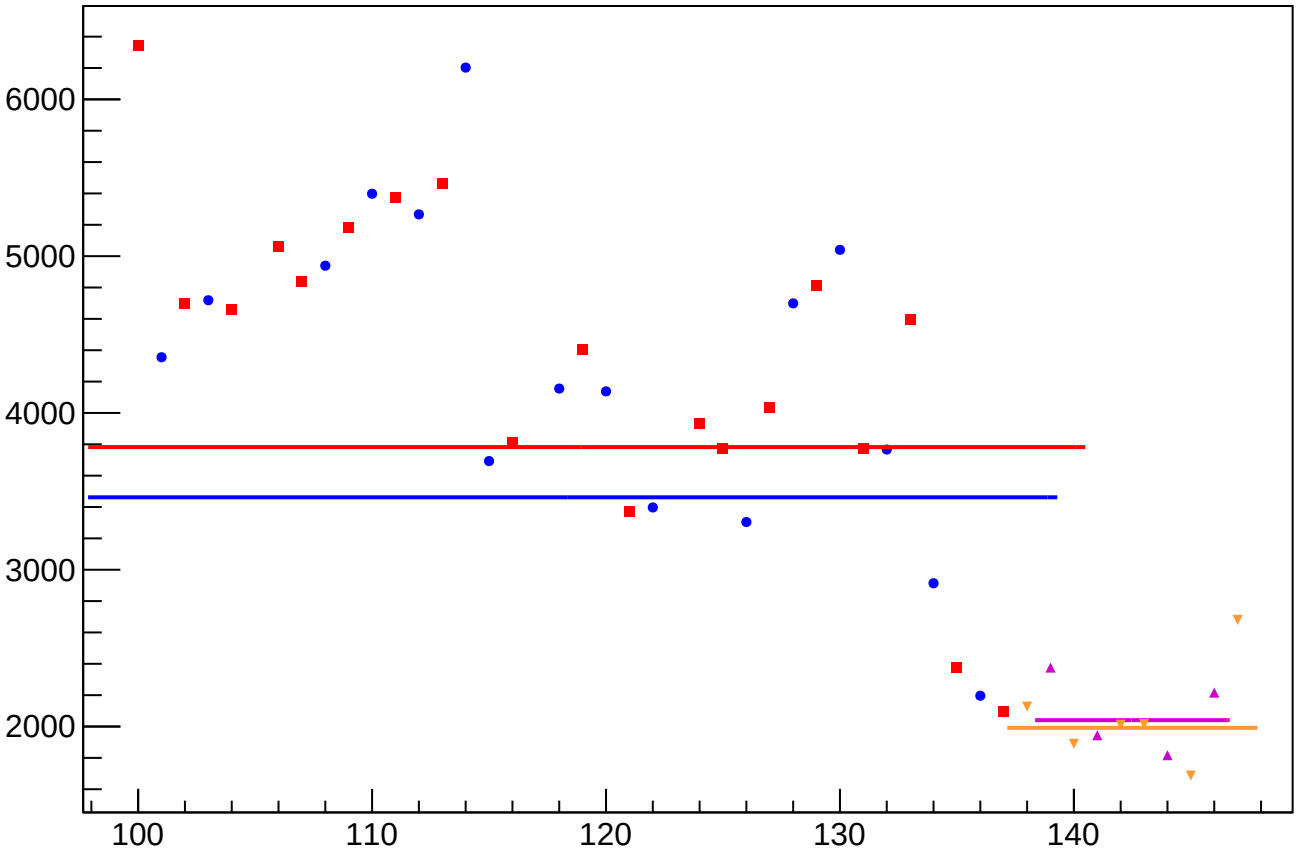
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 281.471+/-0.062 χ^2/NDF:925276.6/19

Out: 286.539+/-0.060 χ^2/NDF:1122477.3/24

All: 284.089+/-0.043 χ^2/NDF: 2051192.1/44


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -688.962+/-951.032 χ²/NDF:11.4/5
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -981.651+/-1096.260 χ²/NDF:2.5/3
Left: -814.648+/-718.379 χ²/NDF: 14.0/9
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -1859.652+/-851.966 χ²/NDF:20.3/19
Out: -184.374+/-794.458 χ²/NDF:26.3/24
All: -963.568+/-581.034 χ²/NDF: 48.6/44



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1991.658+/-0.672 χ^2/NDF:171995.9/5

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2040.554+/-0.775 χ^2/NDF:76068.8/3

Left: 2012.655+/-0.508 χ^2/NDF: 250335.0/9

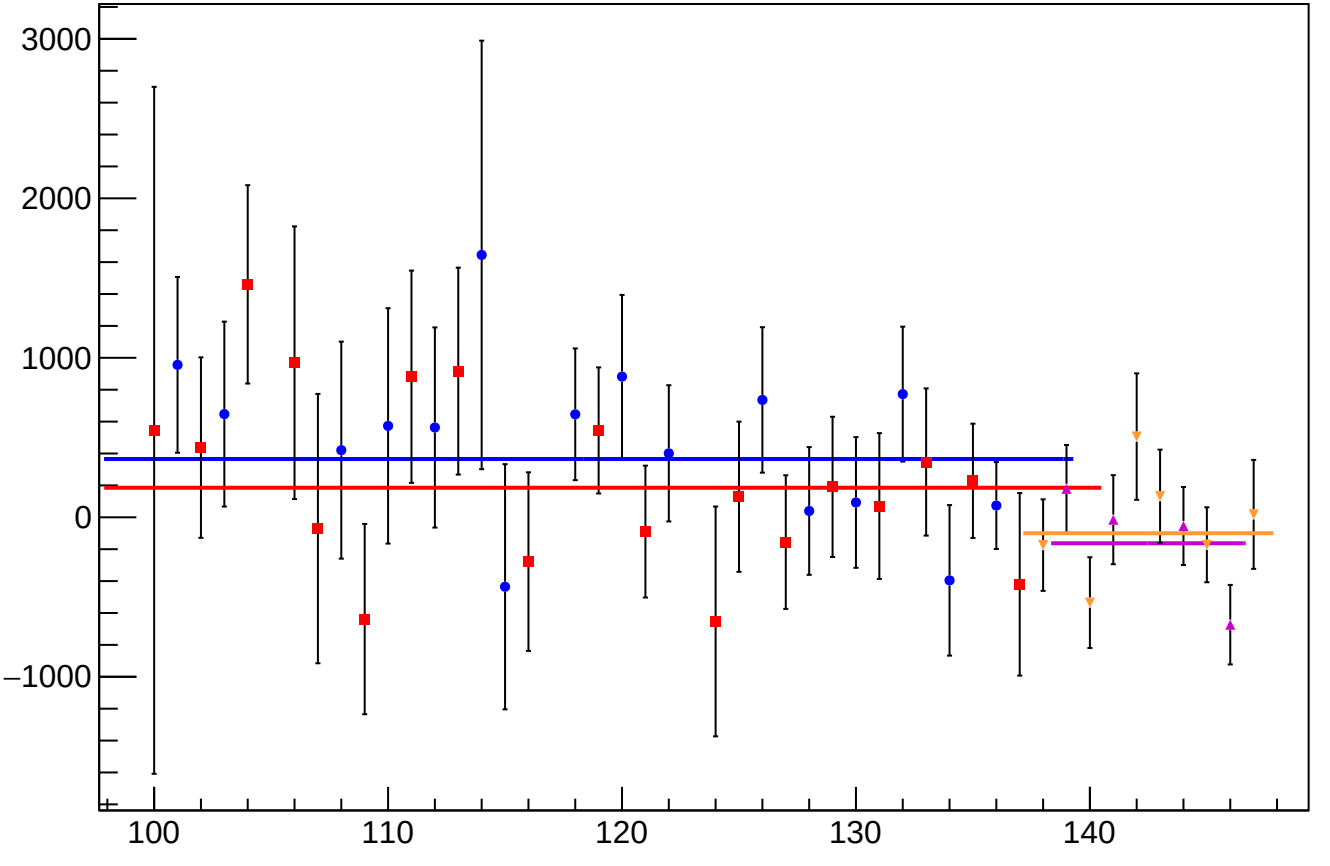
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2603.458+/-0.602 χ^2/NDF:2717181.7/19

Out: 2532.693+/-0.562 χ^2/NDF:3450461.5/24

All: 2565.607+/-0.411 χ^2/NDF: 6175023.7/44

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -99.943+/-120.147 χ^2/NDF:5.6/5

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -162.802+/-130.413 χ^2/NDF:6.2/3

Left: -128.801+/-88.364 χ^2/NDF: 11.9/9

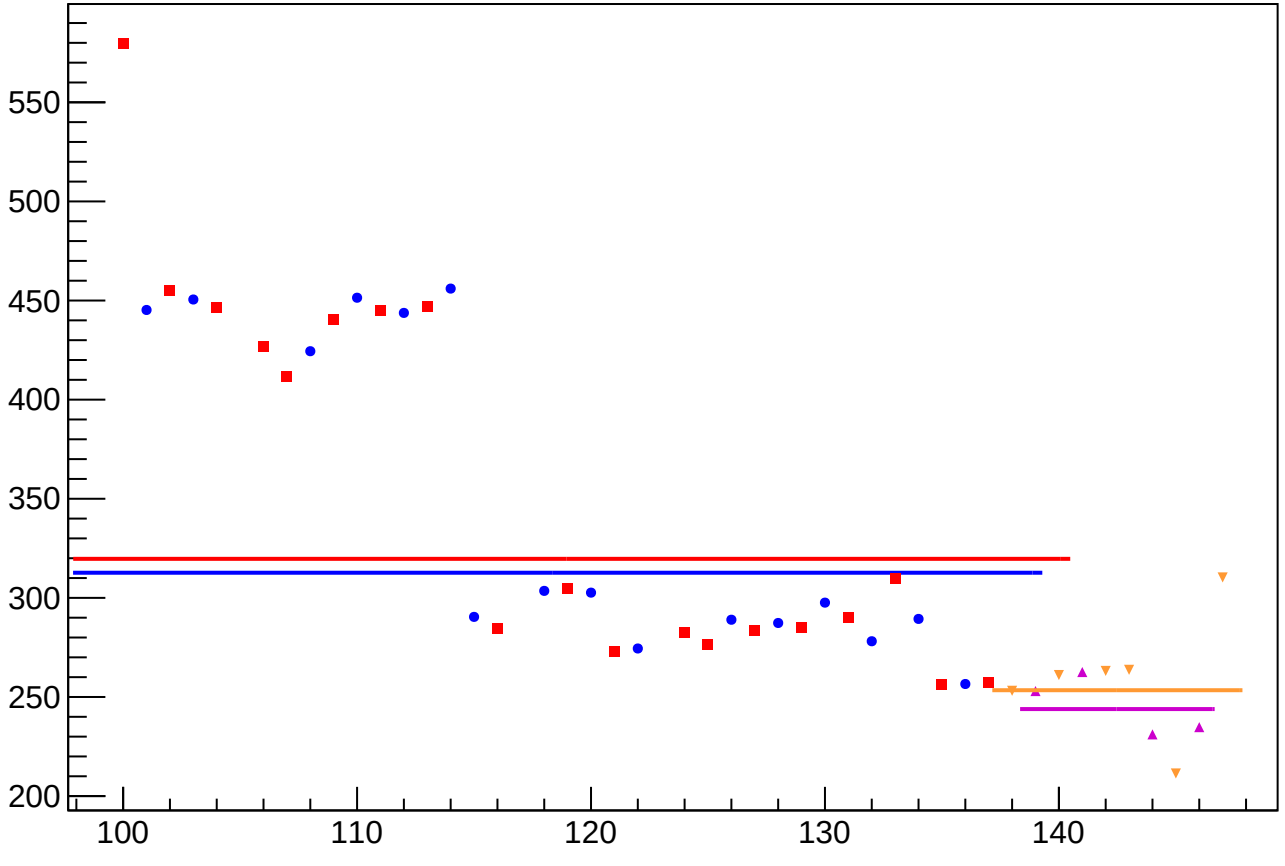
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 125.766+/-87.853 χ^2/NDF:26.7/19

Out: 42.633+/-84.975 χ^2/NDF:23.3/24

All: 82.815+/-61.079 χ^2/NDF: 50.5/44

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 253.414+/-0.085 χ^2/NDF:124578.6/5

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 243.905+/-0.092 χ^2/NDF:19240.6/3

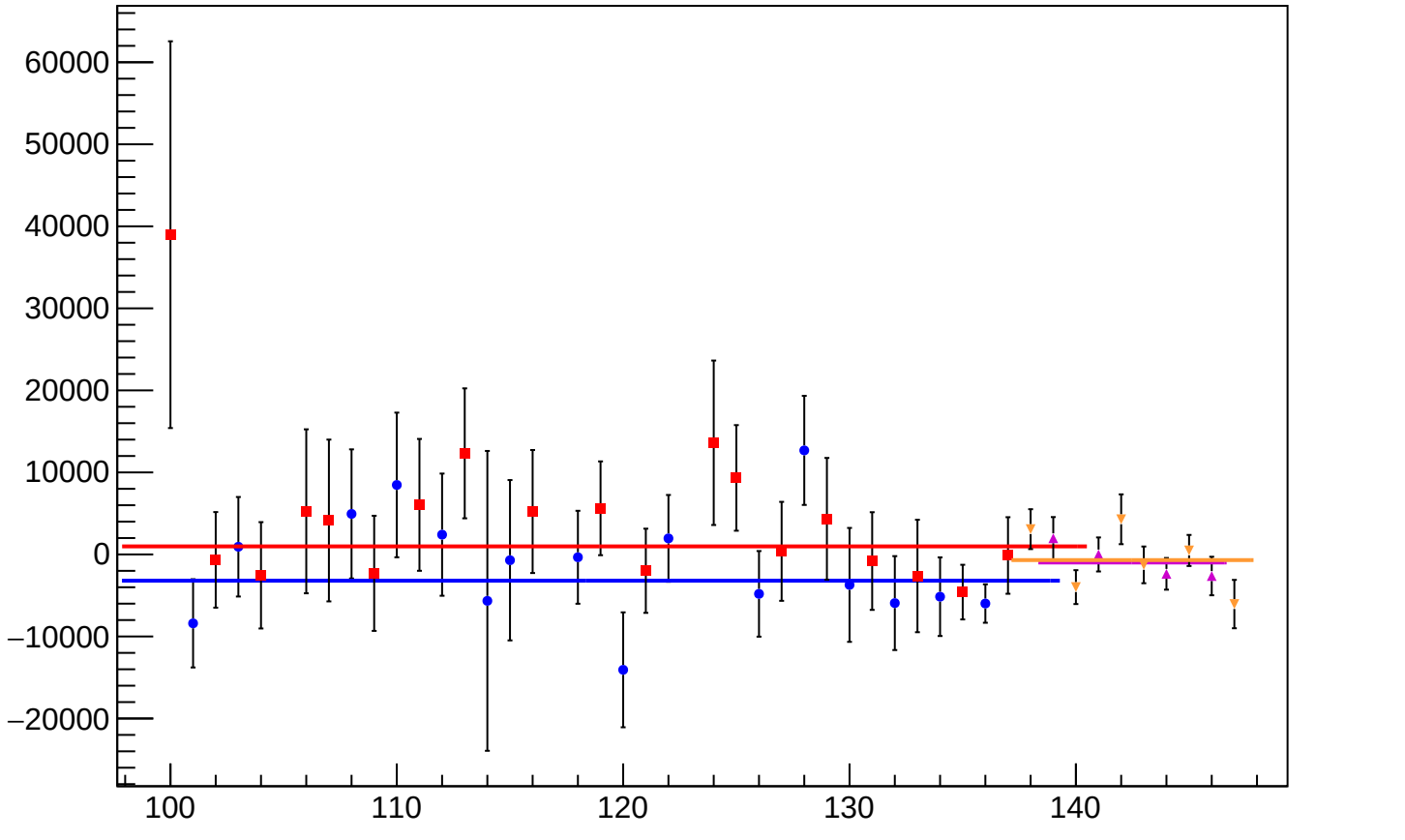
Left: 249.048+/-0.062 χ^2/NDF: 149569.6/9

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 281.471+/-0.062 χ^2/NDF:925276.6/19

Out: 286.539+/-0.060 χ^2/NDF:1122477.3/24

All: 284.089+/-0.043 χ^2/NDF: 2051192.1/44



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -688.962+/-951.032 χ^2/NDF:11.4/5

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -981.651+/-1096.260 χ^2/NDF:2.5/3

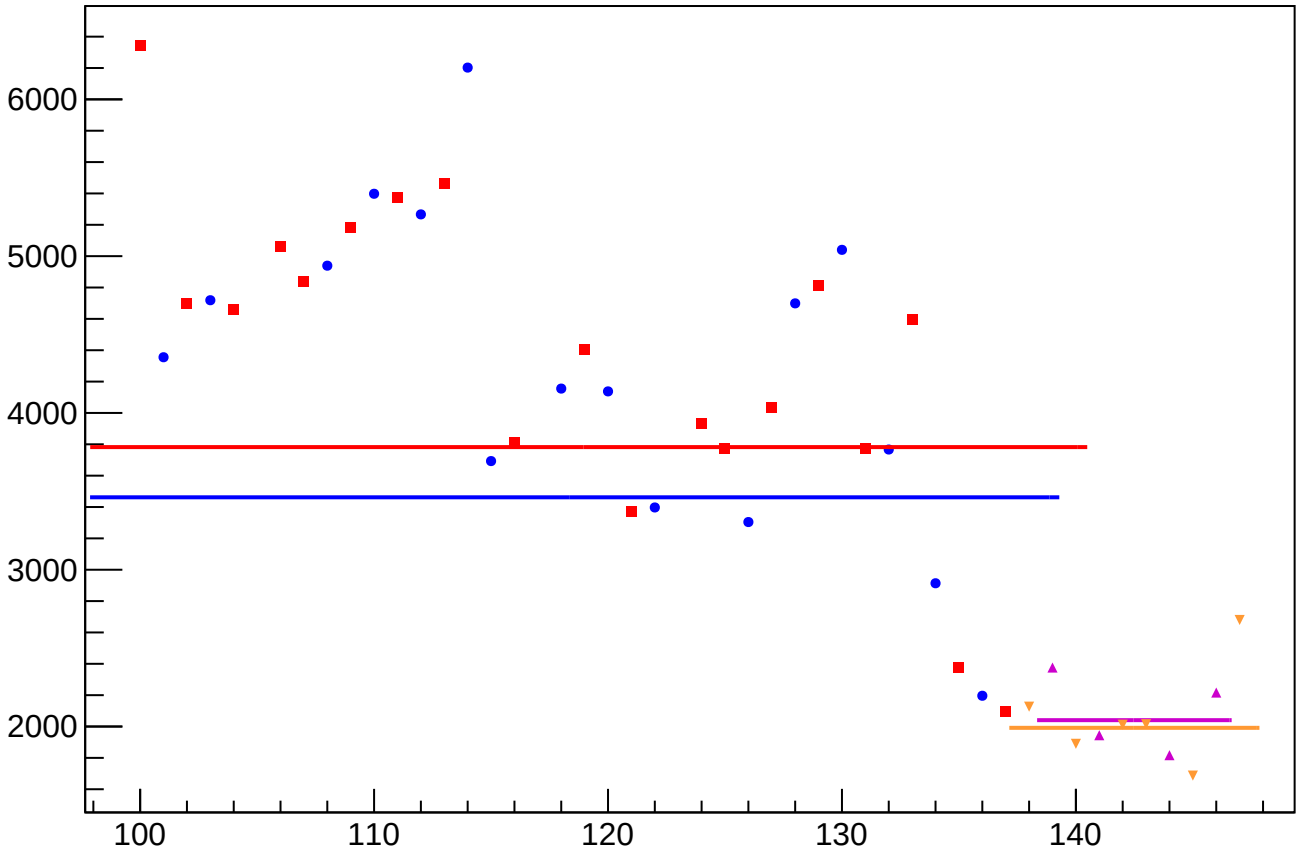
Left: -814.648+/-718.379 χ^2/NDF: 14.0/9

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1859.652+/-851.966 χ^2/NDF:20.3/19

Out: -184.374+/-794.458 χ^2/NDF:26.3/24

All: -963.568+/-581.034 χ^2/NDF: 48.6/44



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 1991.658+/-0.672 χ^2/NDF:171995.9/5

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2040.554+/-0.775 χ^2/NDF:76068.8/3

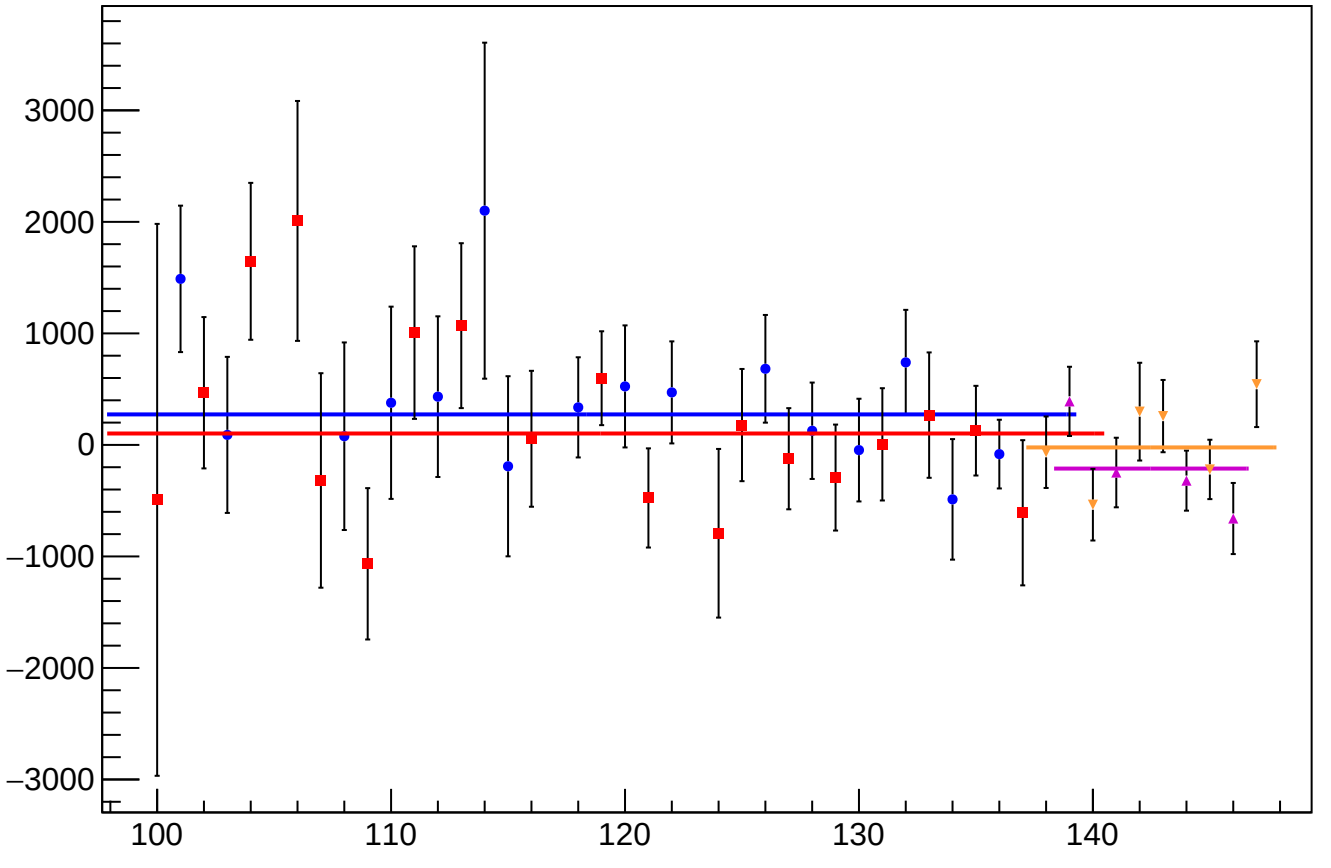
Left: 2012.655+/-0.508 χ^2/NDF: 250335.0/9

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2603.458+/-0.602 χ^2/NDF:2717181.7/19

Out: 2532.693+/-0.562 χ^2/NDF:3450461.5/24

All: 2565.607+/-0.411 χ^2/NDF: 6175023.7/44



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -22.518+/-134.792 χ^2/NDF:6.6/5

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -212.174+/-150.262 χ^2/NDF:5.9/3

Left: -107.084+/-100.337 χ^2/NDF: 13.4/9

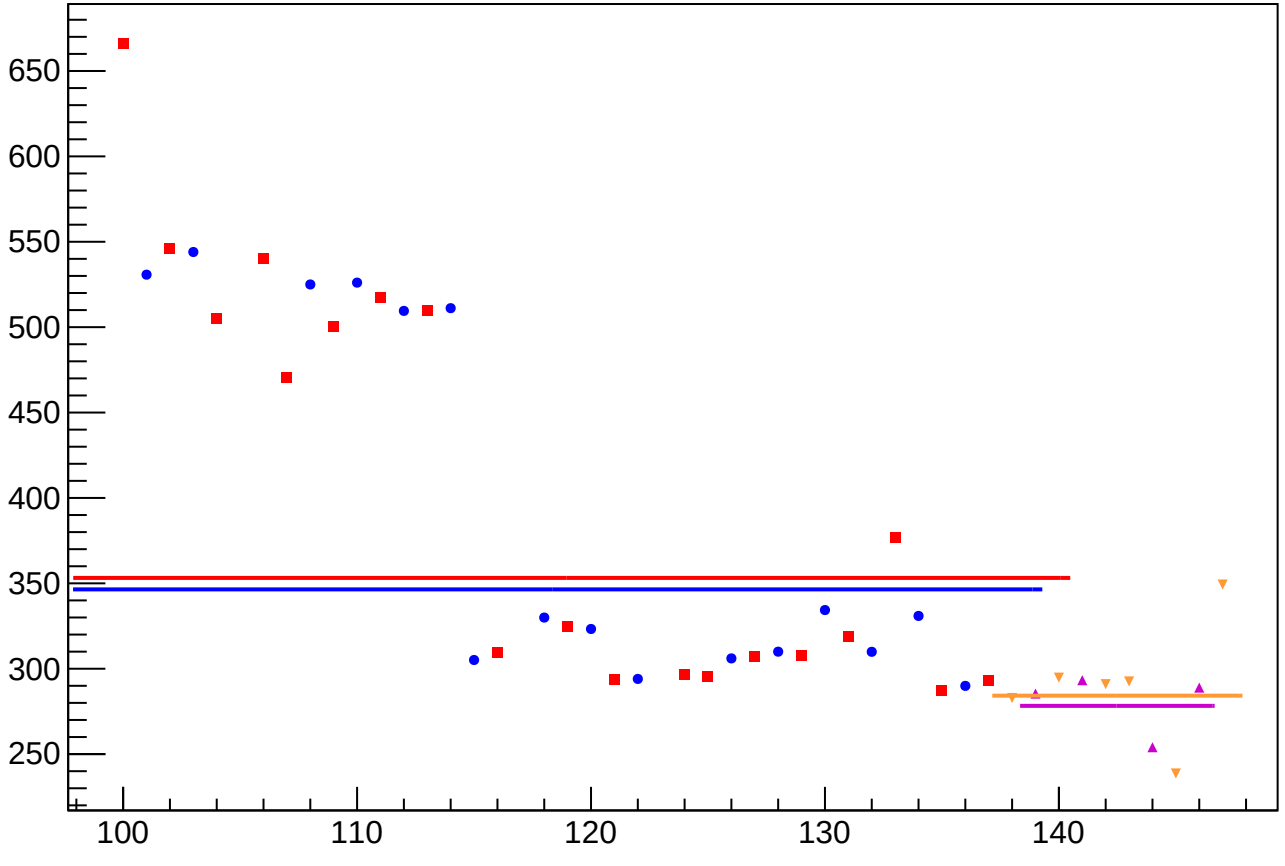
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 61.028+/-99.397 χ^2/NDF:23.2/19

Out: 40.477+/-94.890 χ^2/NDF:28.3/24

All: 50.276+/-68.635 χ^2/NDF: 51.6/44

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 284.227+/-0.095 χ^2/NDF:119878.3/5

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 278.263+/-0.106 χ^2/NDF:24153.4/3

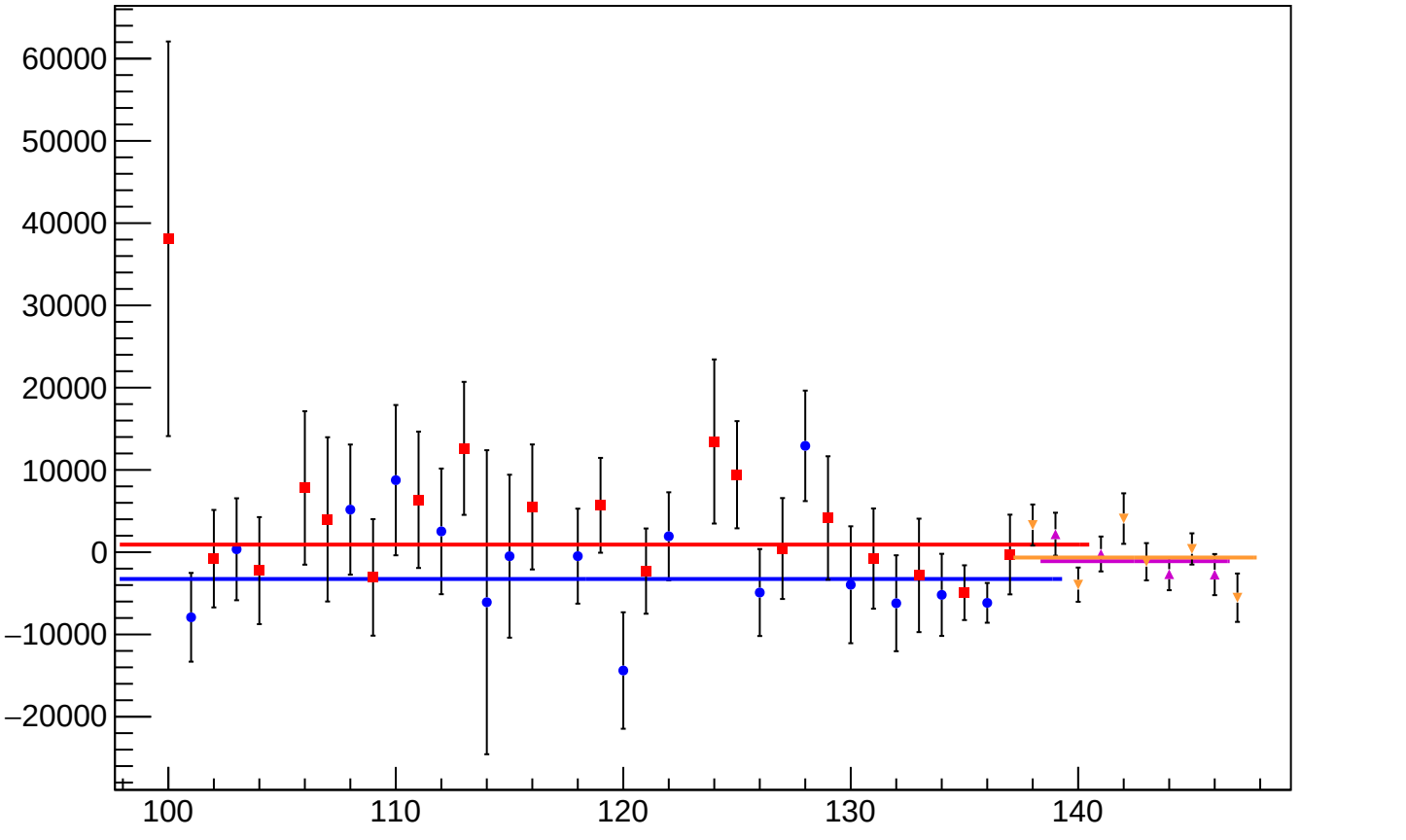
Left: 281.568+/-0.071 χ^2/NDF: 145777.3/9

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 316.616+/-0.070 χ^2/NDF:1024583.9/19

Out: 319.007+/-0.067 χ^2/NDF:1250224.0/24

All: 317.867+/-0.049 χ^2/NDF: 2275413.1/44



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -650.561+/-959.450 χ^2/NDF:10.5/5

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -1092.160+/-1124.741 χ^2/NDF:2.8/3

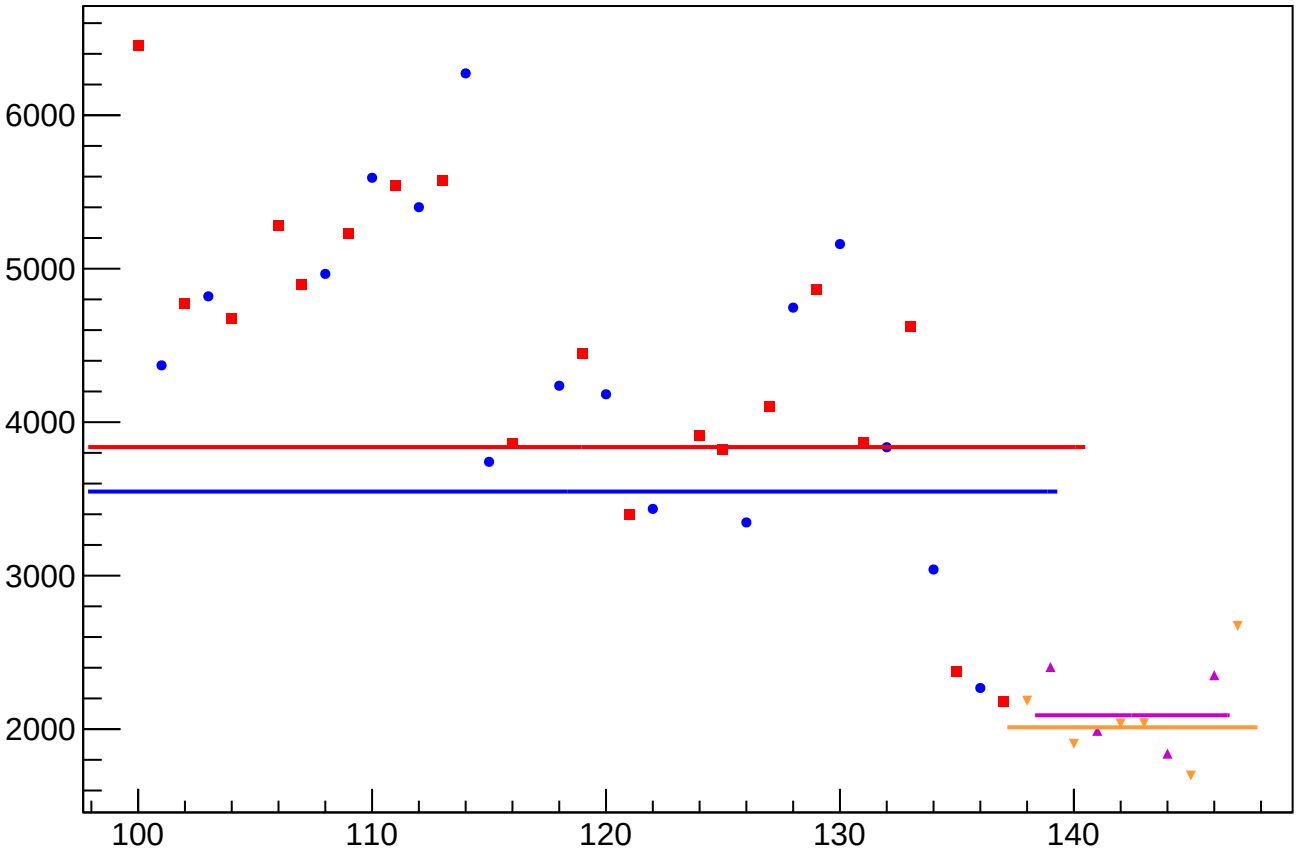
Left: -836.557+/-729.946 χ^2/NDF: 13.4/9

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1953.850+/-872.888 χ^2/NDF:20.3/19

Out: -176.840+/-801.932 χ^2/NDF:26.0/24

All: -990.195+/-590.546 χ^2/NDF: 48.5/44



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2011.812+/-0.678 χ^2/NDF:171199.4/5

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2090.332+/-0.795 χ^2/NDF:87954.8/3

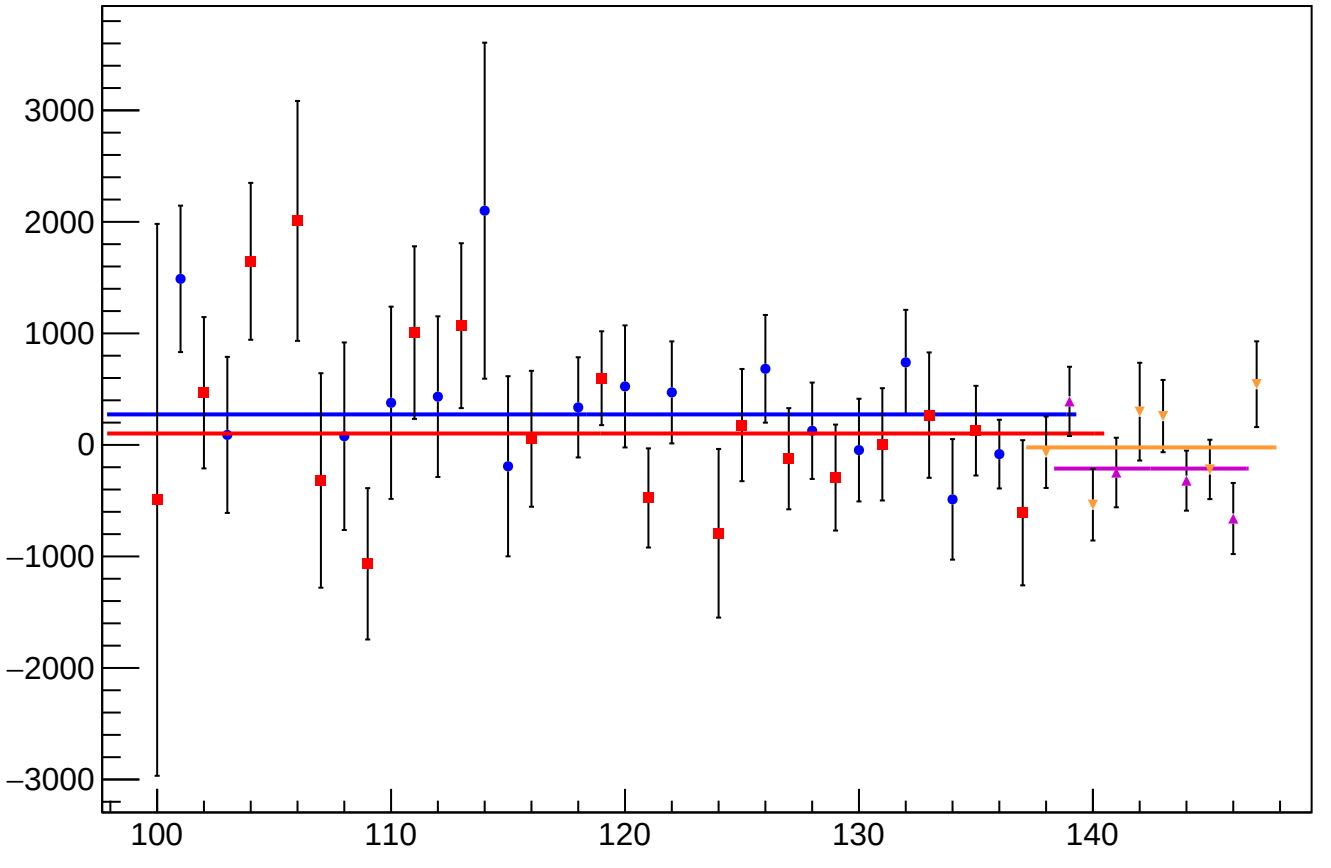
Left: 2044.884+/-0.516 χ^2/NDF: 264796.1/9

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2670.037+/-0.617 χ^2/NDF:2682363.3/19

Out: 2562.208+/-0.567 χ^2/NDF:3510763.7/24

All: 2611.562+/-0.418 χ^2/NDF: 6209677.4/44



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -22.525+/-134.792 χ^2/NDF:6.6/5

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -212.175+/-150.262 χ^2/NDF:5.9/3

Left: -107.088+/-100.337 χ^2/NDF: 13.4/9

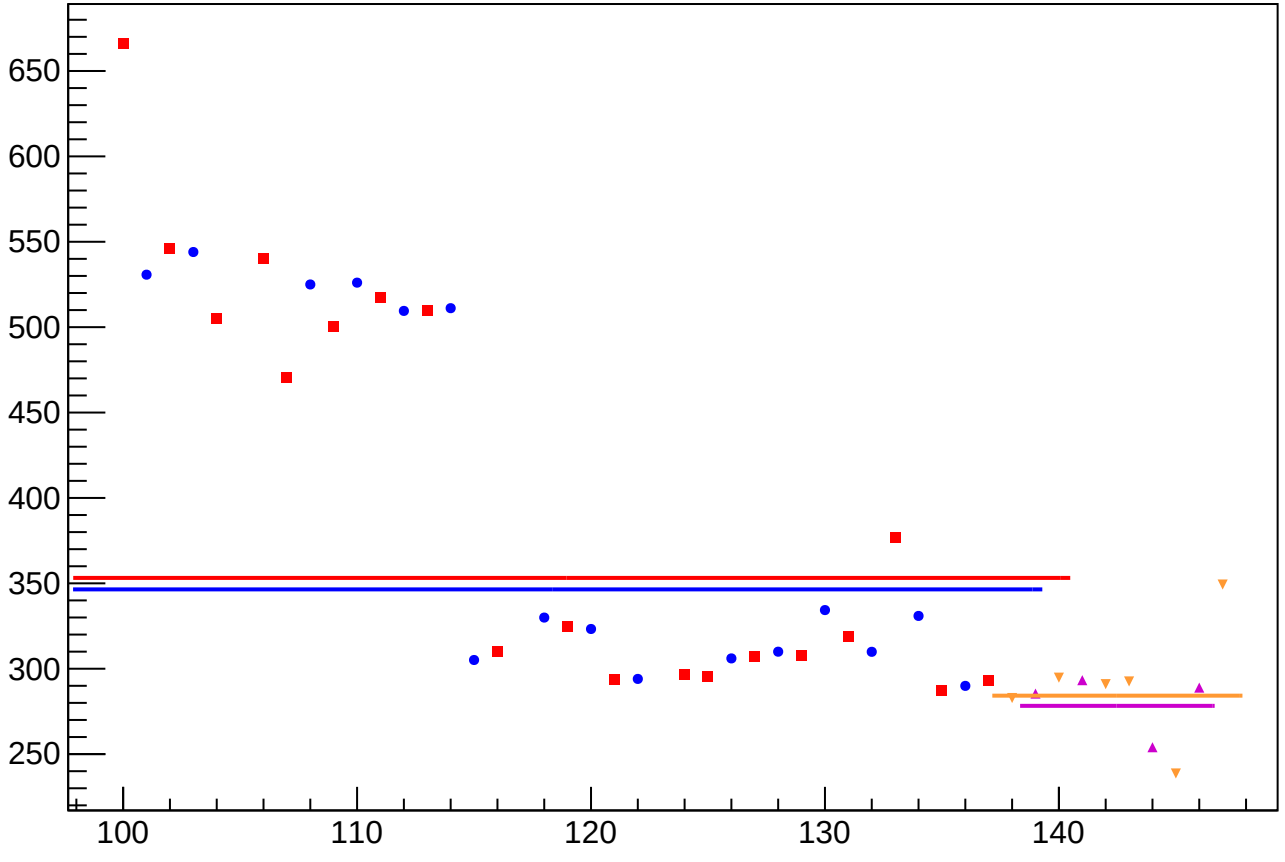
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 61.031+/-99.396 χ^2/NDF:23.2/19

Out: 40.473+/-94.890 χ^2/NDF:28.3/24

All: 50.276+/-68.635 χ^2/NDF: 51.6/44

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 284.227+/-0.095 χ^2/NDF:119879.8/5

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 278.263+/-0.106 χ^2/NDF:24152.9/3

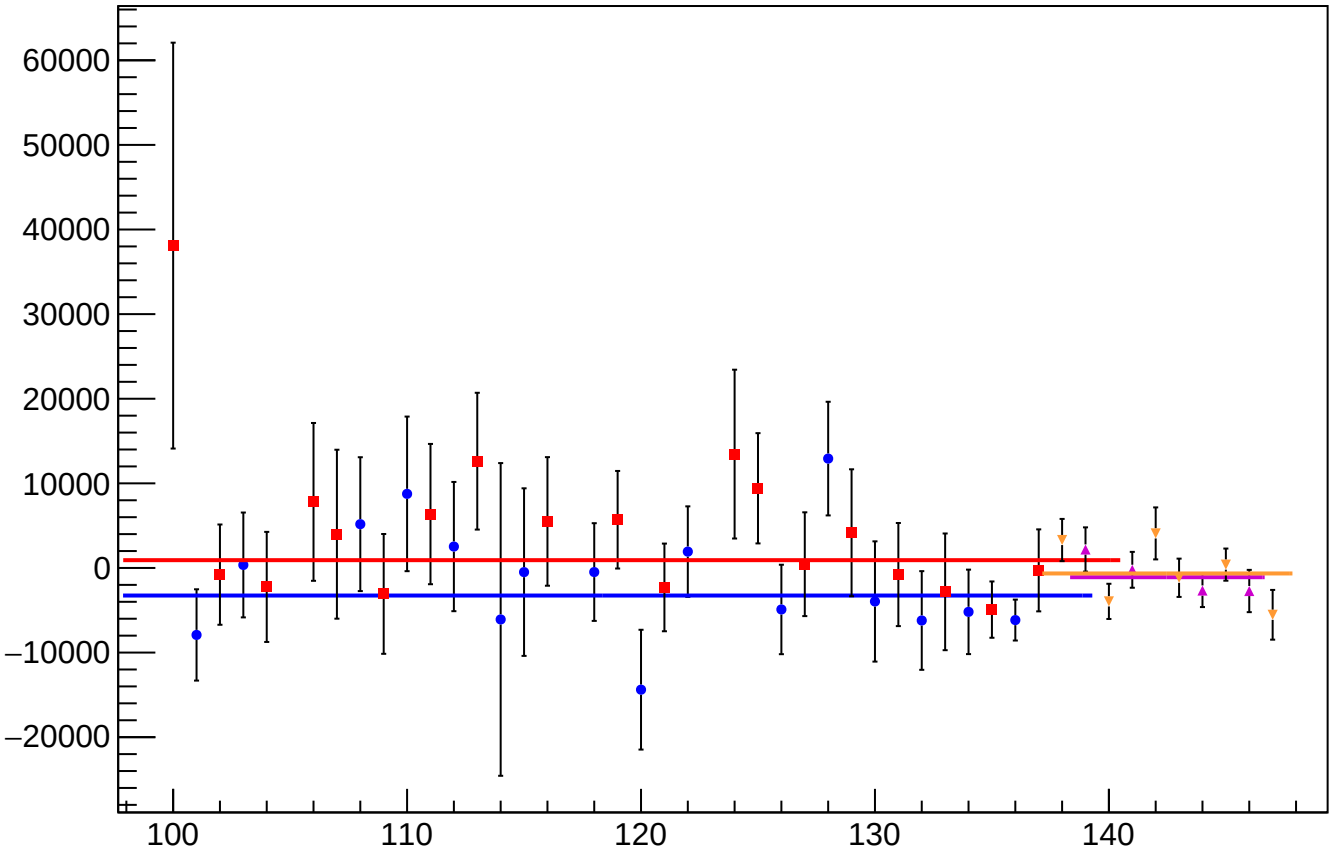
Left: 281.568+/-0.071 χ^2/NDF: 145778.4/9

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 316.615+/-0.070 χ^2/NDF:1024563.5/19

Out: 319.006+/-0.067 χ^2/NDF:1250206.9/24

All: 317.866+/-0.049 χ^2/NDF: 2275375.9/44



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -650.563+/-959.448 χ^2/NDF:10.5/5

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -1092.157+/-1124.740 χ^2/NDF:2.8/3

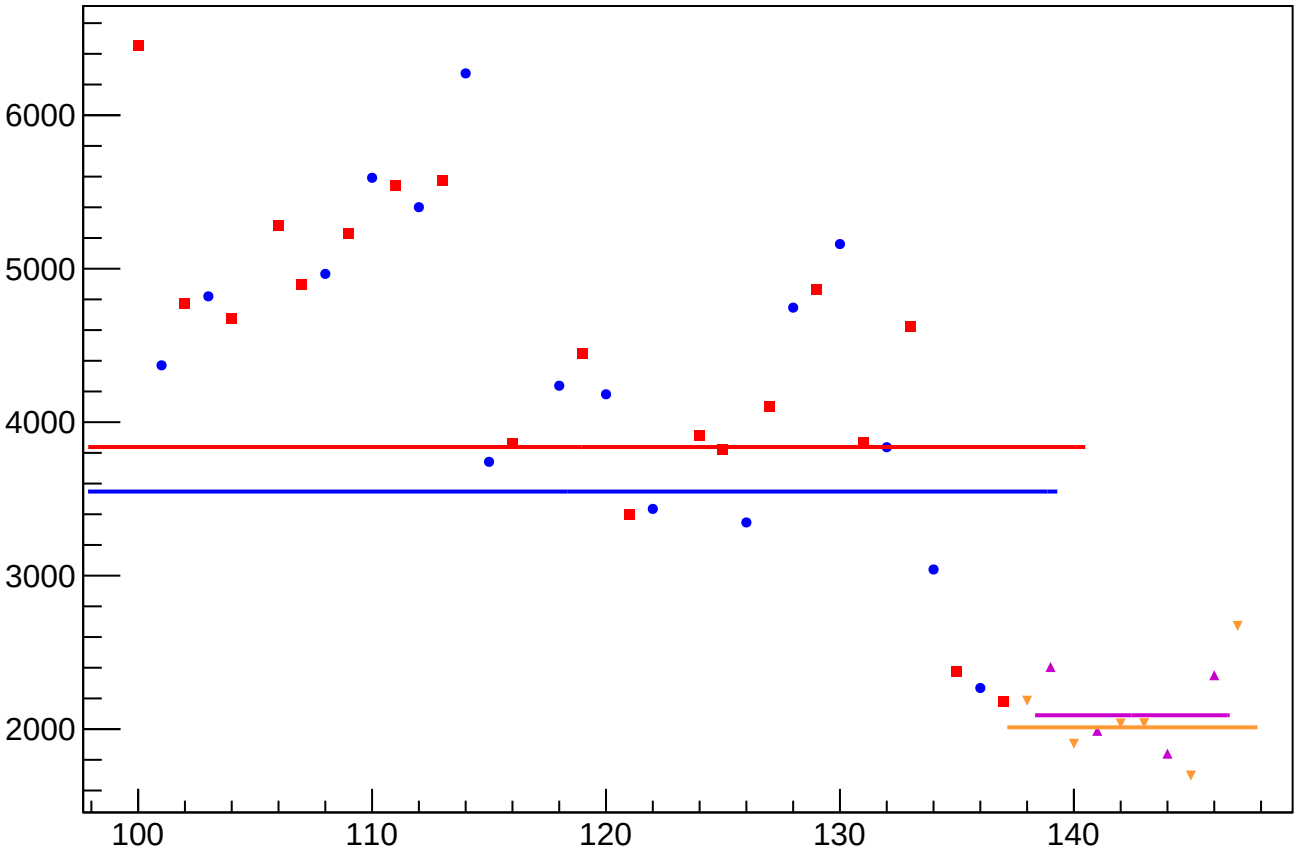
Left: -836.557+/-729.945 χ^2/NDF: 13.4/9

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -1953.846+/-872.887 χ^2/NDF:20.3/19

Out: -176.840+/-801.931 χ^2/NDF:26.0/24

All: -990.193+/-590.545 χ^2/NDF: 48.5/44



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2011.809+/-0.678 χ^2/NDF:171201.8/5

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2090.330+/-0.795 χ^2/NDF:87953.6/3

Left: 2044.881+/-0.516 χ^2/NDF: 264797.4/9

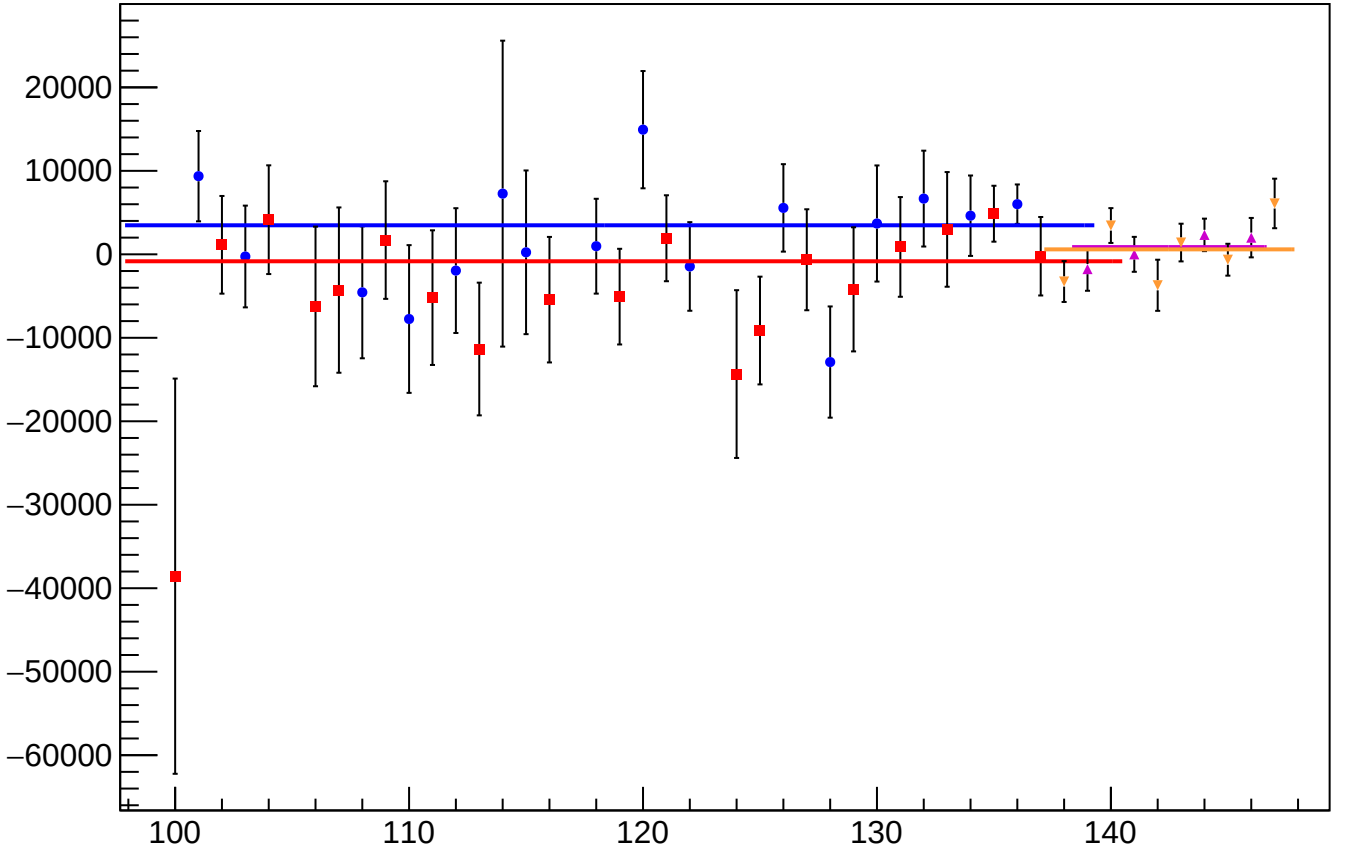
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2670.035+/-0.617 χ^2/NDF:2682348.7/19

Out: 2562.205+/-0.567 χ^2/NDF:3510758.2/24

All: 2611.560+/-0.418 χ^2/NDF: 6209657.7/44

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 593.321+/-958.892 χ^2/NDF:10.3/5

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 866.611+/-1104.474 χ^2/NDF:2.0/3

Left: 710.779+/-724.078 χ^2/NDF: 12.3/9

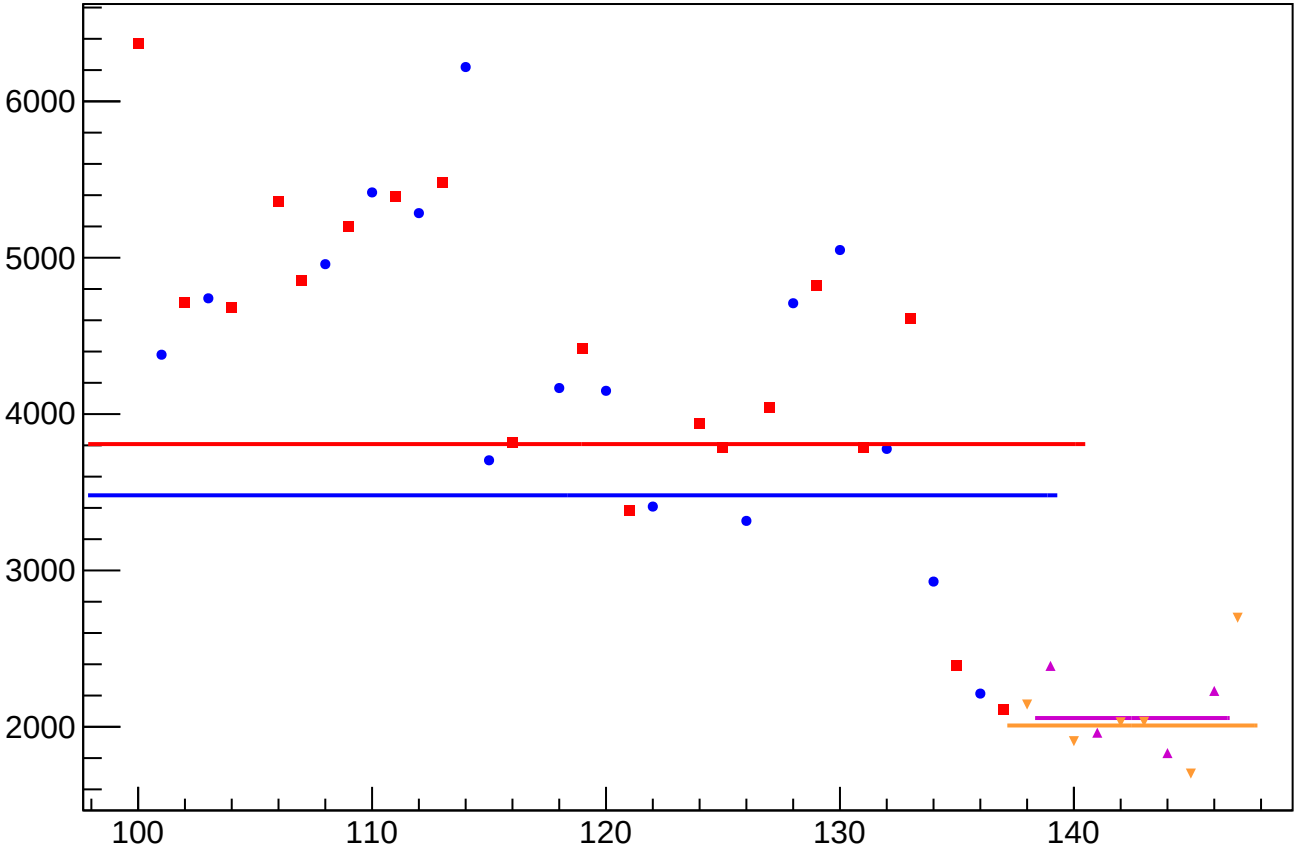
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1904.247+/-857.449 χ^2/NDF:20.5/19

Out: 159.325+/-799.761 χ^2/NDF:25.0/24

All: 971.118+/-584.848 χ^2/NDF: 47.8/44

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2008.490+/-0.678 χ^2/NDF:170733.0/5

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2056.211+/-0.781 χ^2/NDF:74261.3/3

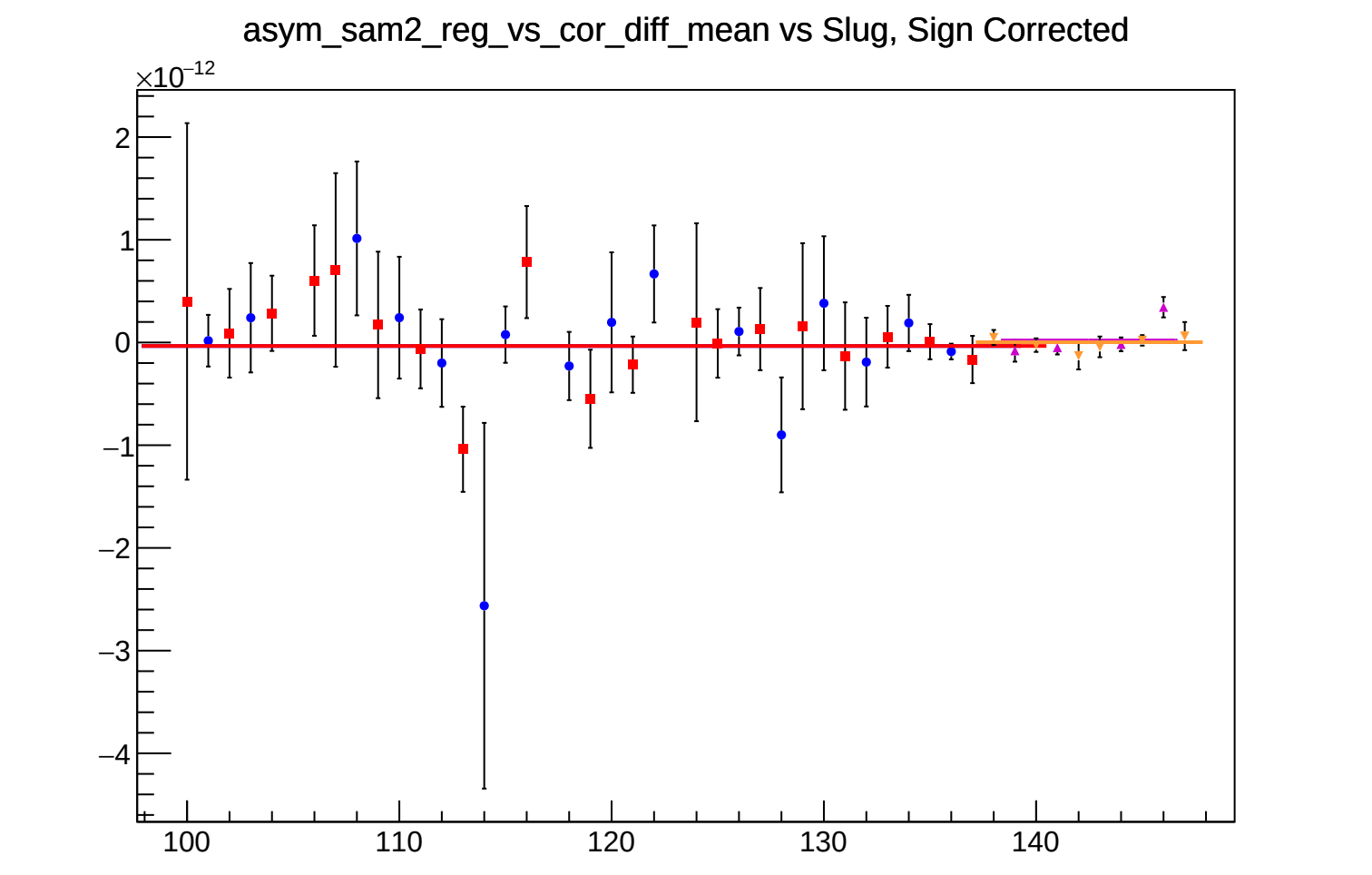
Left: 2029.000+/-0.512 χ^2/NDF: 247123.3/9

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2622.095+/-0.606 χ^2/NDF:2692391.0/19

Out: 2556.245+/-0.566 χ^2/NDF:3462506.0/24

All: 2586.880+/-0.414 χ^2/NDF: 6161205.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/3

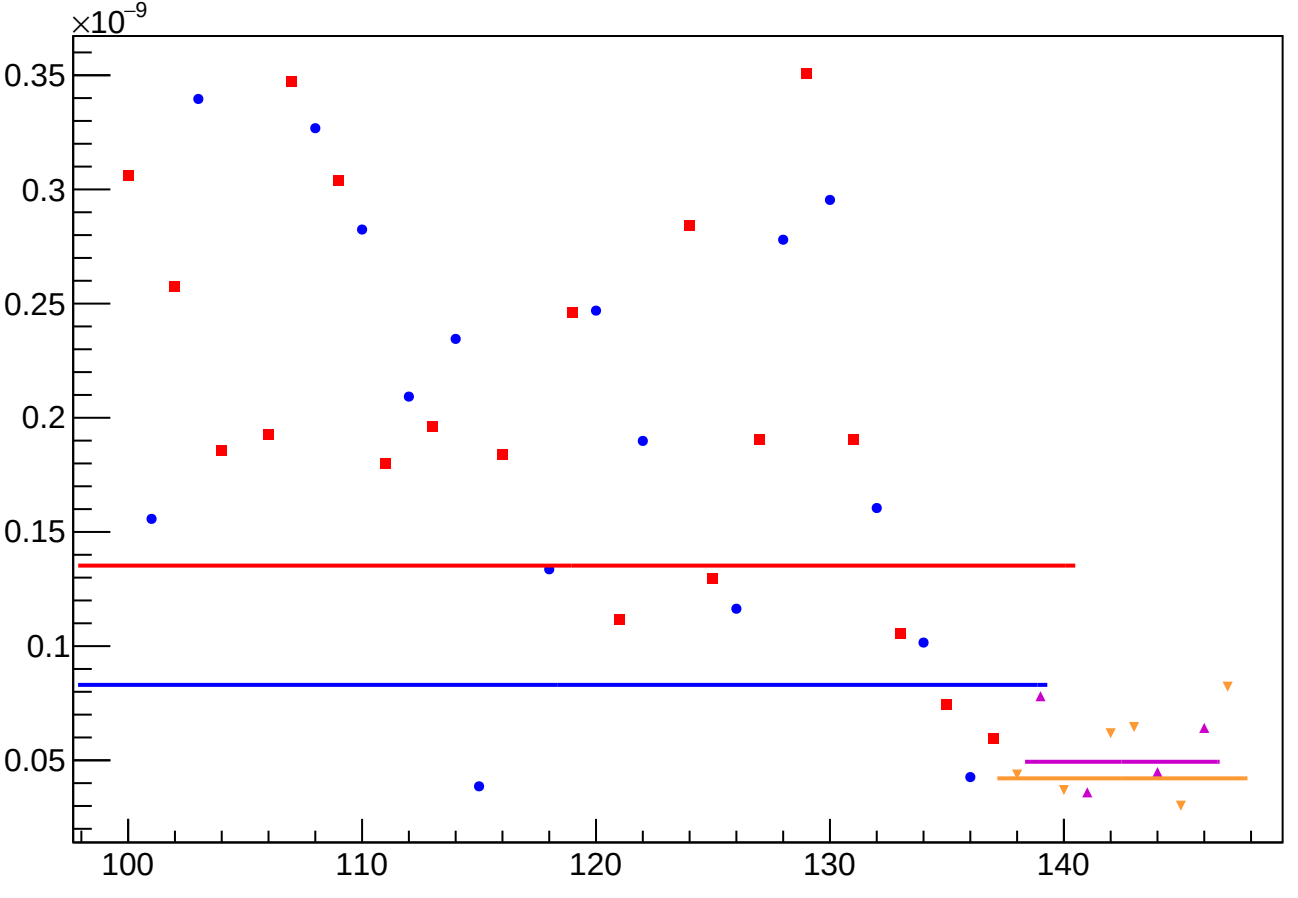
Left: 0.000+/-0.000 χ^2/NDF: 15.1/9

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:25.4/19

Out: -0.000+/-0.000 χ^2/NDF:15.8/24

All: 0.000+/-0.000 χ^2/NDF: 41.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:438856.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:278306.5/3

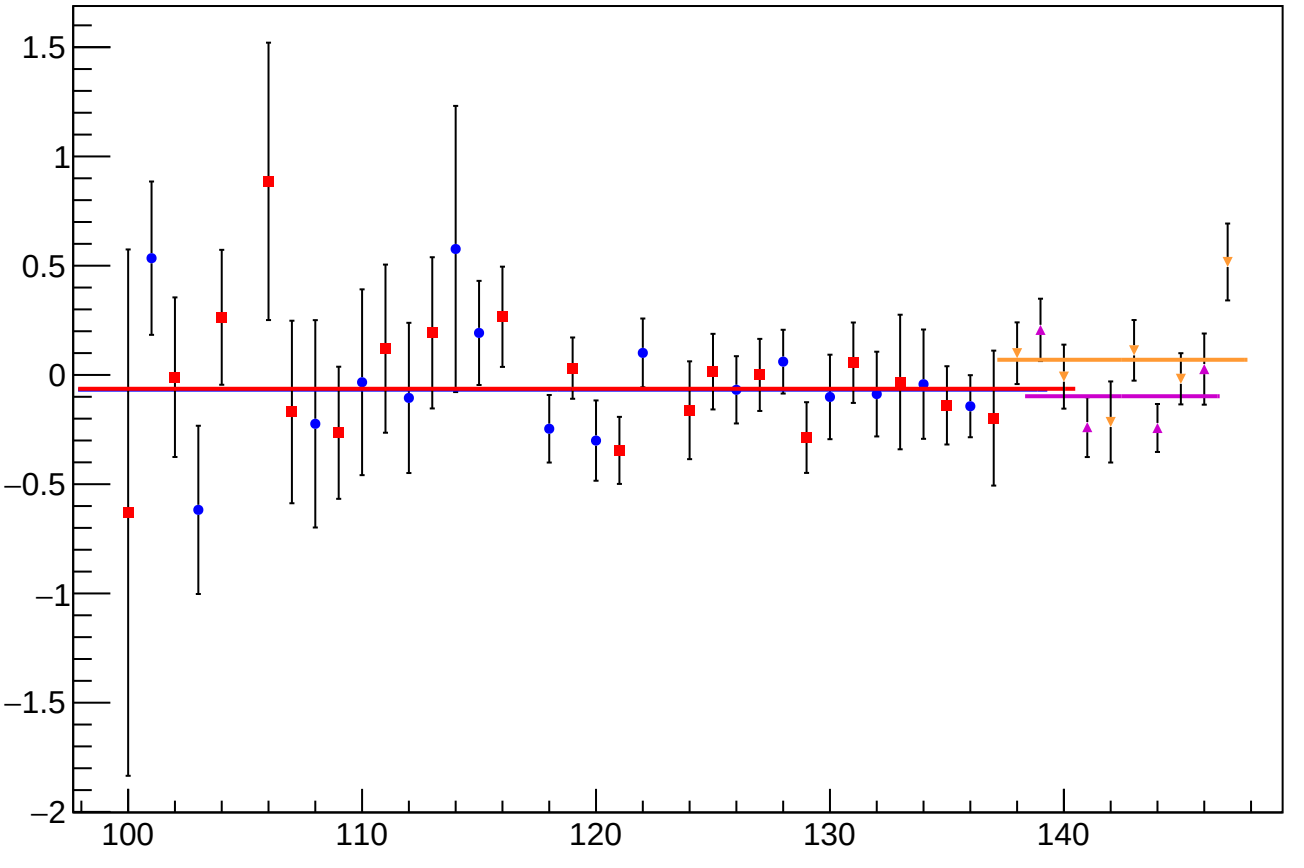
Left: 0.000+/-0.000 χ^2/NDF: 758197.3/9

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3413148.0/19

Out: 0.000+/-0.000 χ^2/NDF:3959096.7/24

All: 0.000+/-0.000 χ^2/NDF: 7409115.6/44



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.097+/-0.067 χ^2/NDF:7.9/3

Left: -0.004+/-0.044 χ^2/NDF: 21.2/9

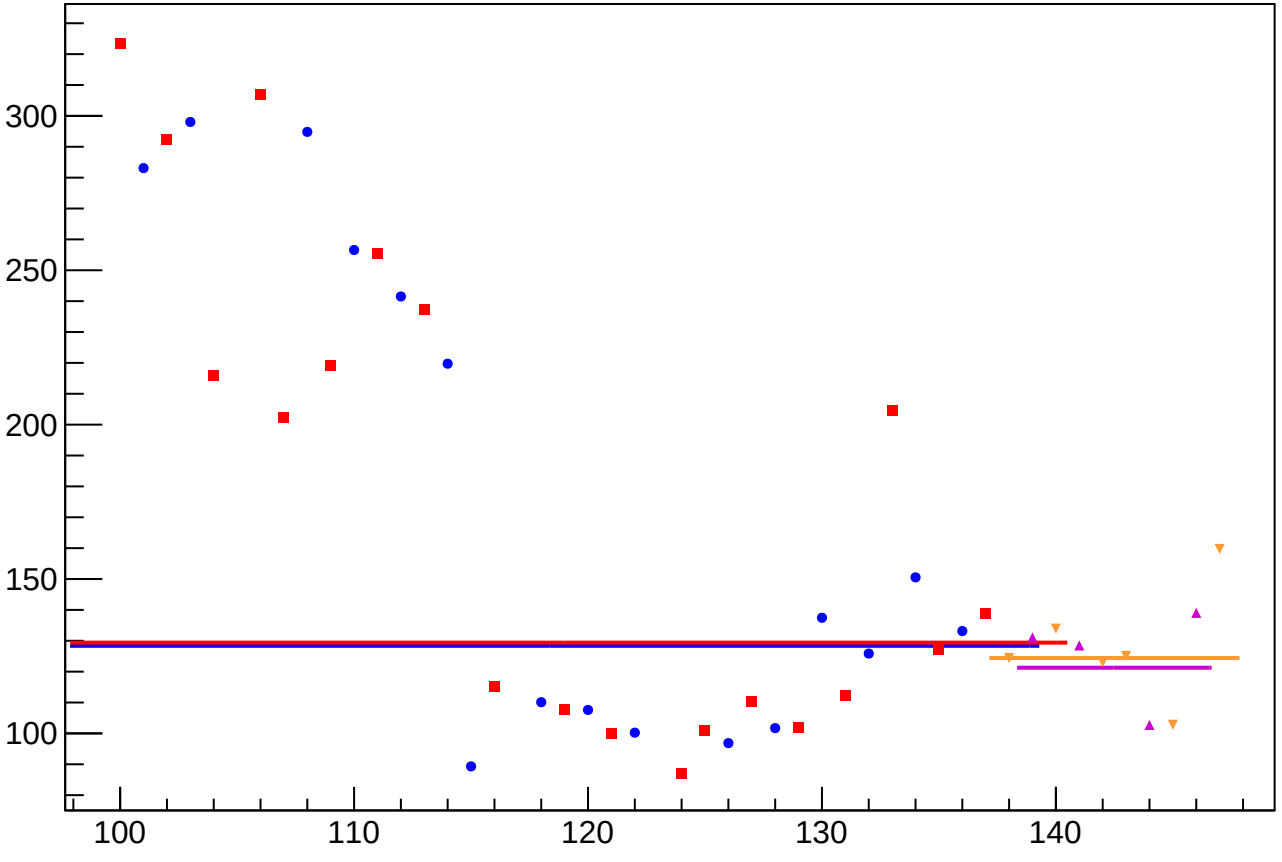
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.079+/-0.041 χ^2/NDF:20.5/19

Out: -0.006+/-0.039 χ^2/NDF:26.7/24

All: -0.041+/-0.028 χ^2/NDF: 48.8/44

asym_sam2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.429+/-0.042 χ^2/NDF:157262.9/5

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.278+/-0.047 χ^2/NDF:95799.8/3

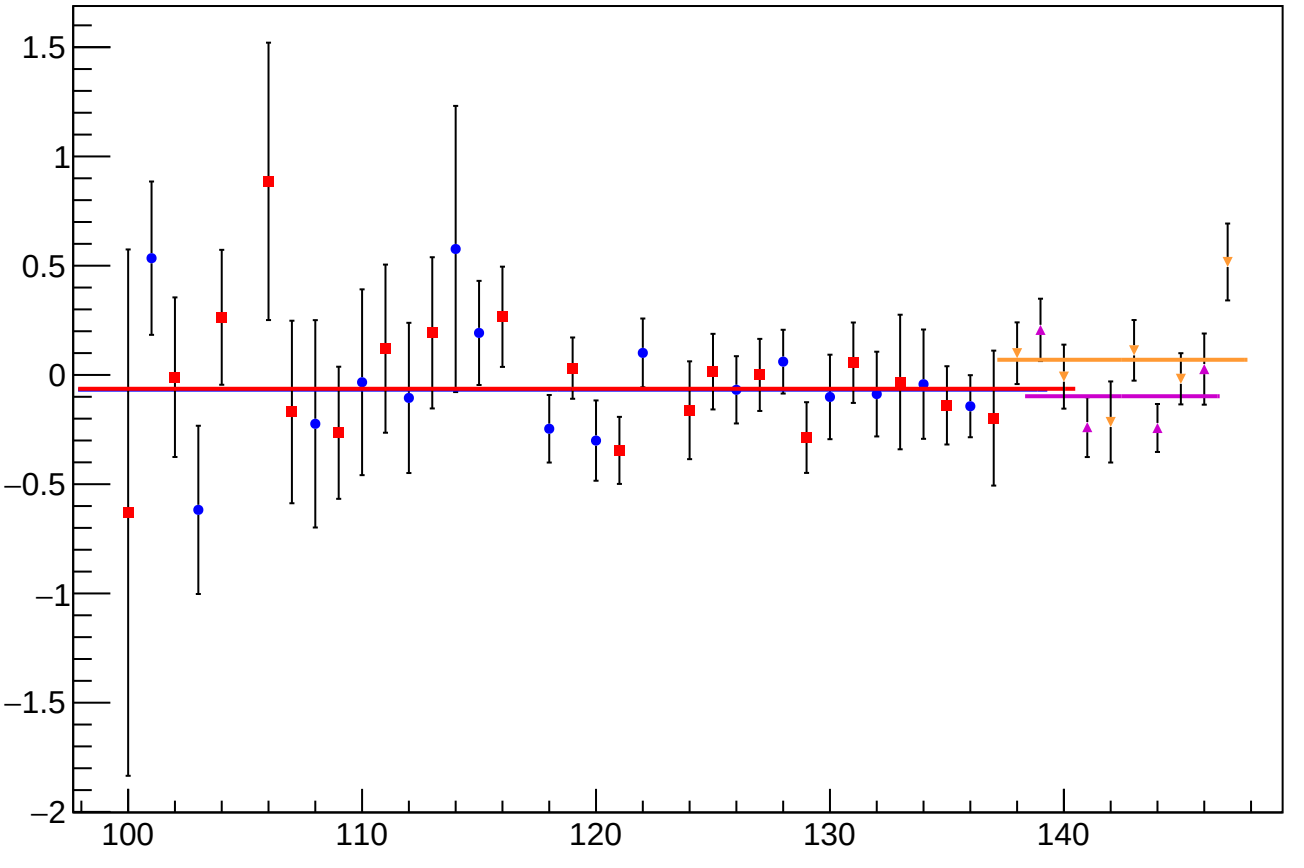
Left: 123.040+/-0.031 χ^2/NDF: 255540.1/9

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 125.723+/-0.029 χ^2/NDF:1914961.0/19

Out: 127.263+/-0.028 χ^2/NDF:2053503.7/24

All: 126.531+/-0.020 χ^2/NDF: 3969948.4/44



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.097+/-0.067 χ^2/NDF:7.9/3

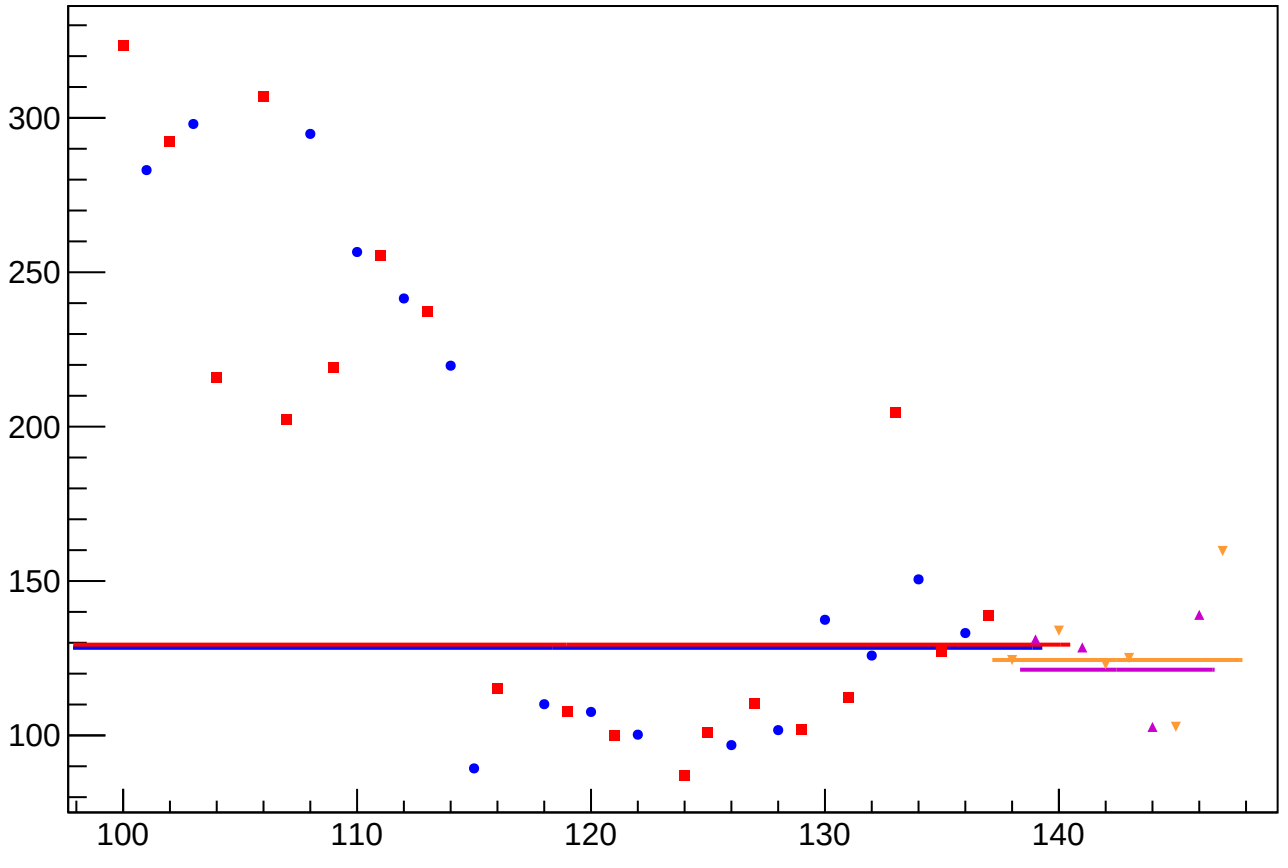
Left: -0.004+/-0.044 χ^2/NDF: 21.2/9

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.079+/-0.041 χ^2/NDF:20.5/19

Out: -0.006+/-0.039 χ^2/NDF:26.7/24

All: -0.041+/-0.028 χ^2/NDF: 48.8/44



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.429+/-0.042 χ^2/NDF:157262.9/5

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.278+/-0.047 χ^2/NDF:95799.8/3

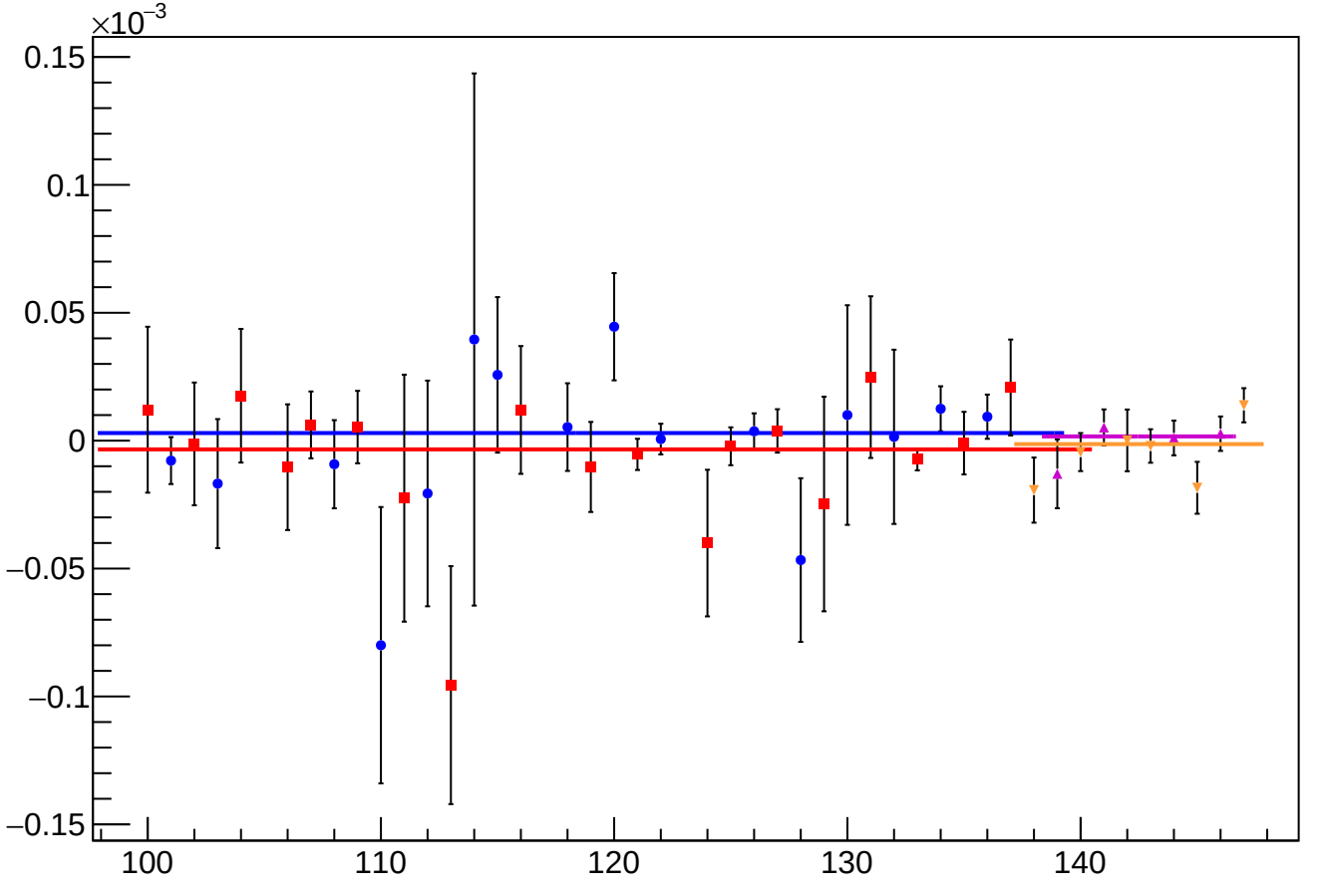
Left: 123.040+/-0.031 χ^2/NDF: 255540.1/9

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 125.723+/-0.029 χ^2/NDF:1914961.0/19

Out: 127.263+/-0.028 χ^2/NDF:2053503.7/24

All: 126.531+/-0.020 χ^2/NDF: 3969948.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

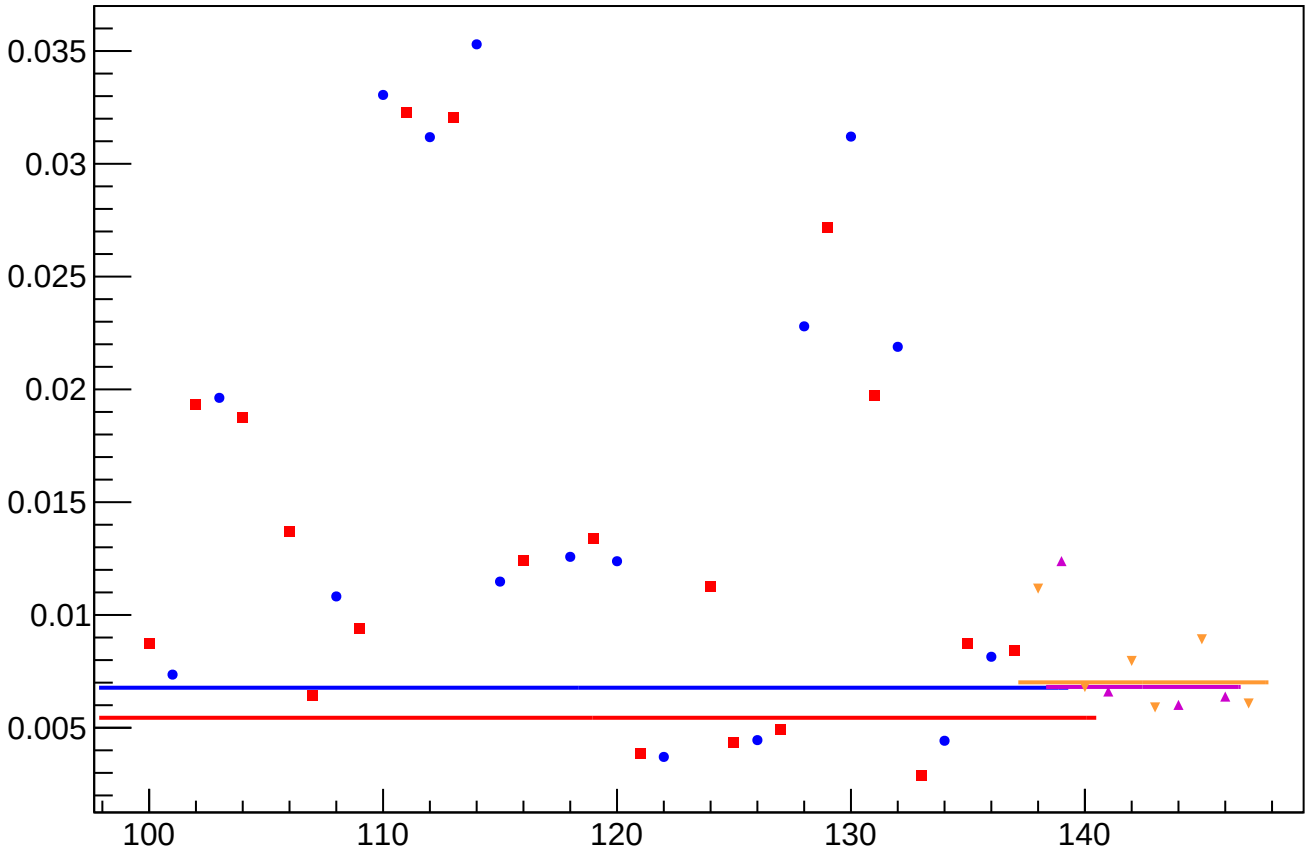
Left: -0.000+/-0.000 χ^2/NDF: 12.0/9

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:15.6/19

Out: -0.000+/-0.000 χ^2/NDF:23.0/24

All: -0.000+/-0.000 χ^2/NDF: 41.2/44



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:394410.7/5

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:379982.2/3

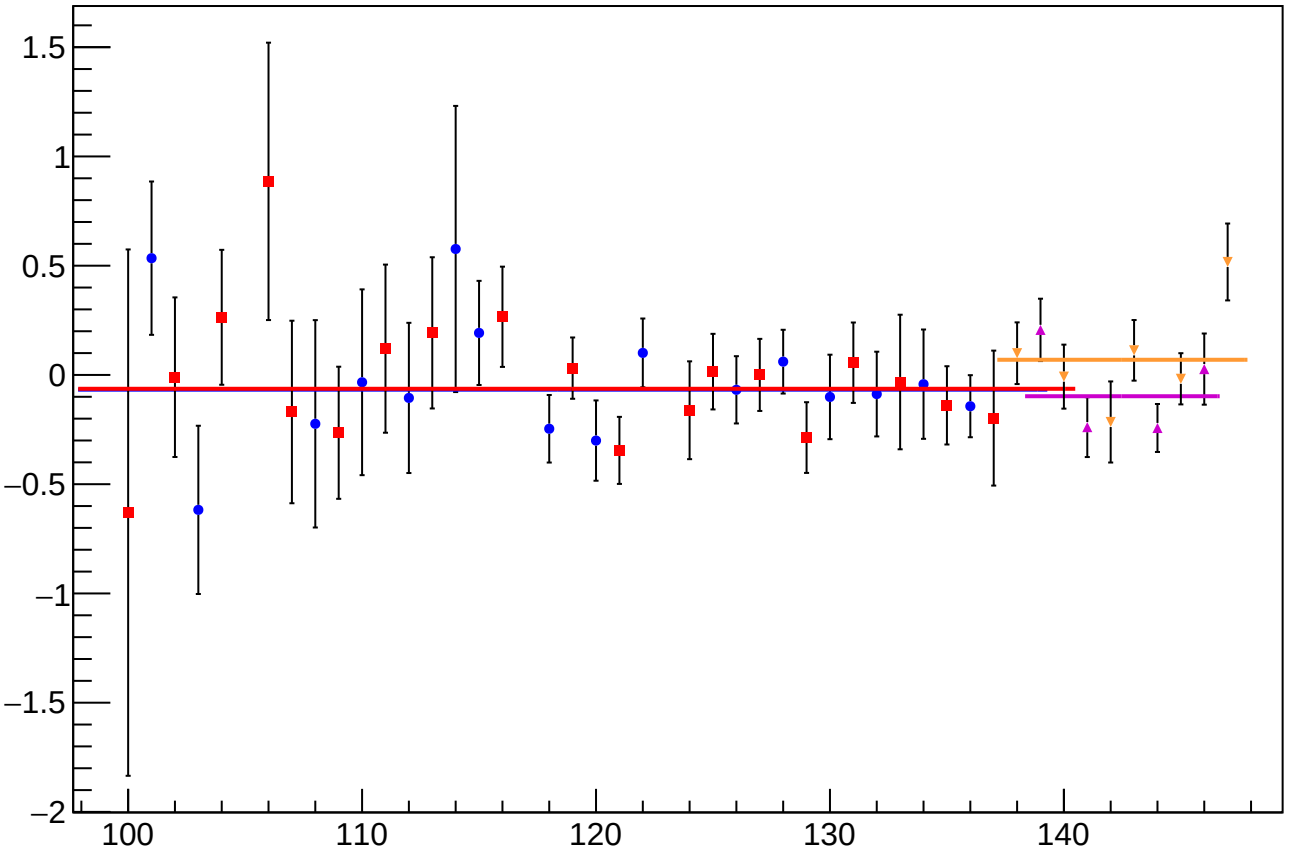
Left: 0.007+/-0.000 χ^2/NDF: 777590.6/9

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5152353.0/19

Out: 0.006+/-0.000 χ^2/NDF:6236371.9/24

All: 0.006+/-0.000 χ^2/NDF: 11505491.7/44



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.097+/-0.067 χ^2/NDF:7.9/3

Left: -0.004+/-0.044 χ^2/NDF: 21.2/9

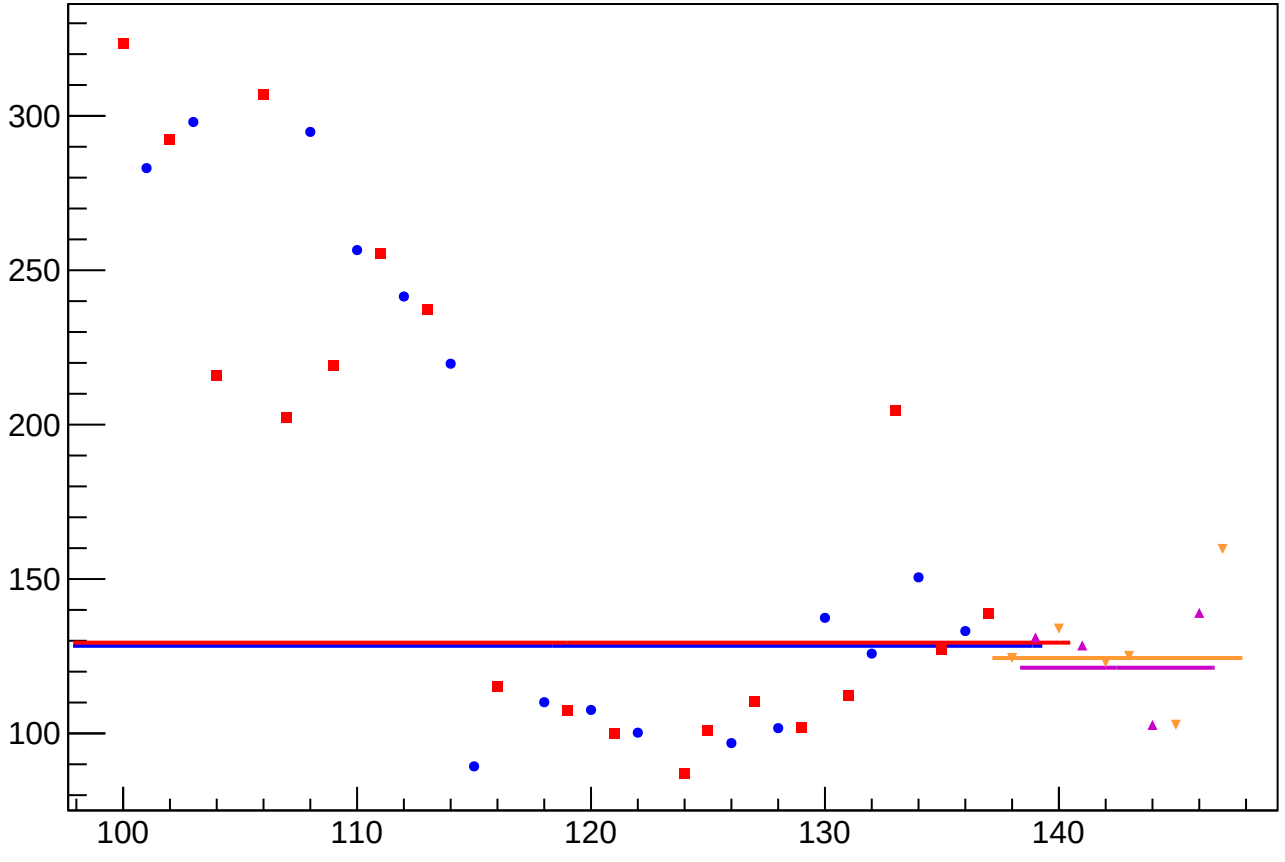
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.079+/-0.041 χ^2/NDF:20.5/19

Out: -0.006+/-0.039 χ^2/NDF:26.7/24

All: -0.041+/-0.028 χ^2/NDF: 48.8/44

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.429+/-0.042 χ^2/NDF:157270.9/5

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.278+/-0.047 χ^2/NDF:95792.9/3

Left: 123.040+/-0.031 χ^2/NDF: 255541.0/9

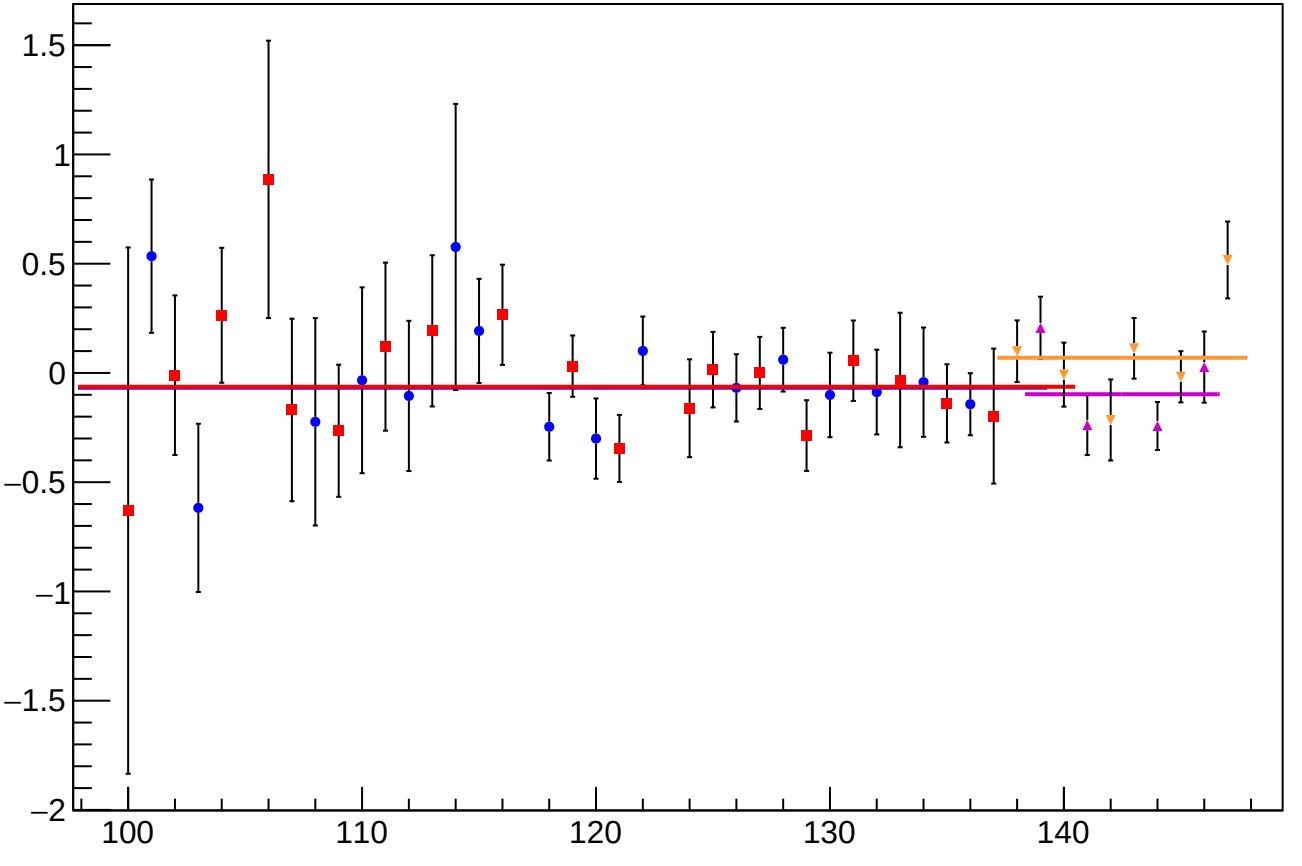
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 125.721+/-0.029 χ^2/NDF:1914891.0/19

Out: 127.261+/-0.028 χ^2/NDF:2053503.8/24

All: 126.529+/-0.020 χ^2/NDF: 3969878.6/44

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.069+/-0.059 χ^2/NDF:9.8/5

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.097+/-0.067 χ^2/NDF:7.9/3

Left: -0.004+/-0.044 χ^2/NDF: 21.2/9

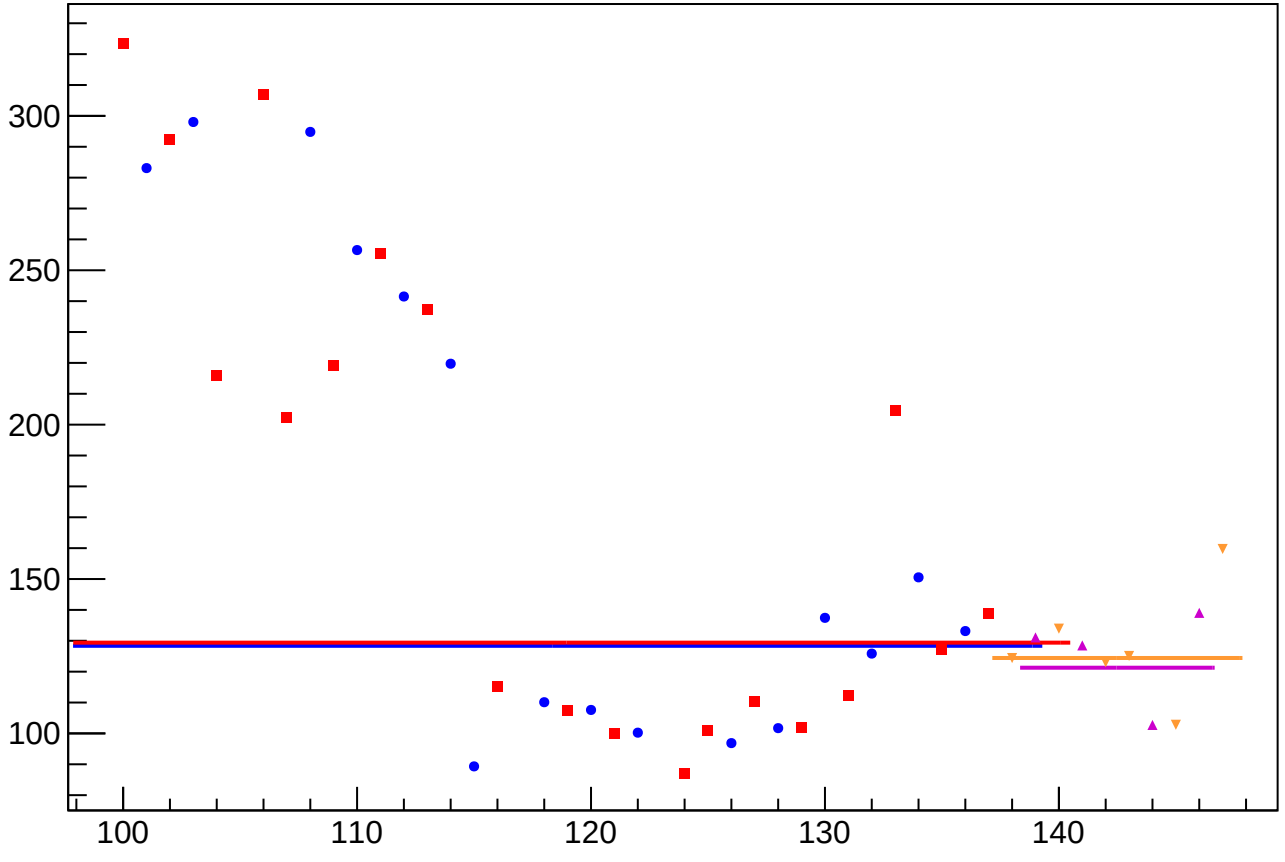
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.079+/-0.041 χ^2/NDF:20.5/19

Out: -0.006+/-0.039 χ^2/NDF:26.7/24

All: -0.041+/-0.028 χ^2/NDF: 48.8/44

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: 124.429+/-0.042 χ^2/NDF:157270.9/5

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.278+/-0.047 χ^2/NDF:95792.9/3

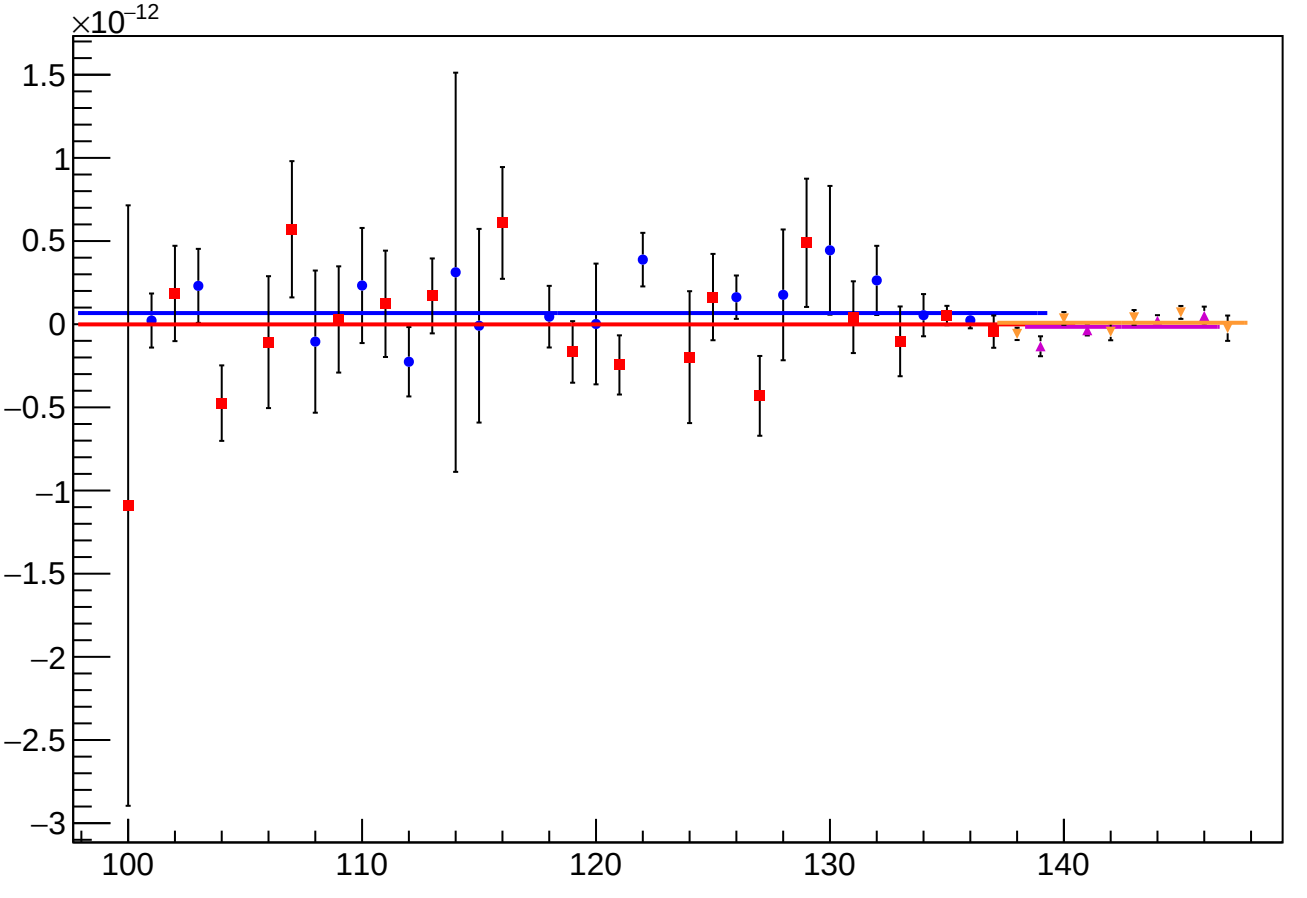
Left: 123.040+/-0.031 χ^2/NDF: 255541.0/9

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 125.721+/-0.029 χ^2/NDF:1914891.0/19

Out: 127.261+/-0.028 χ^2/NDF:2053503.8/24

All: 126.529+/-0.020 χ^2/NDF: 3969878.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/3

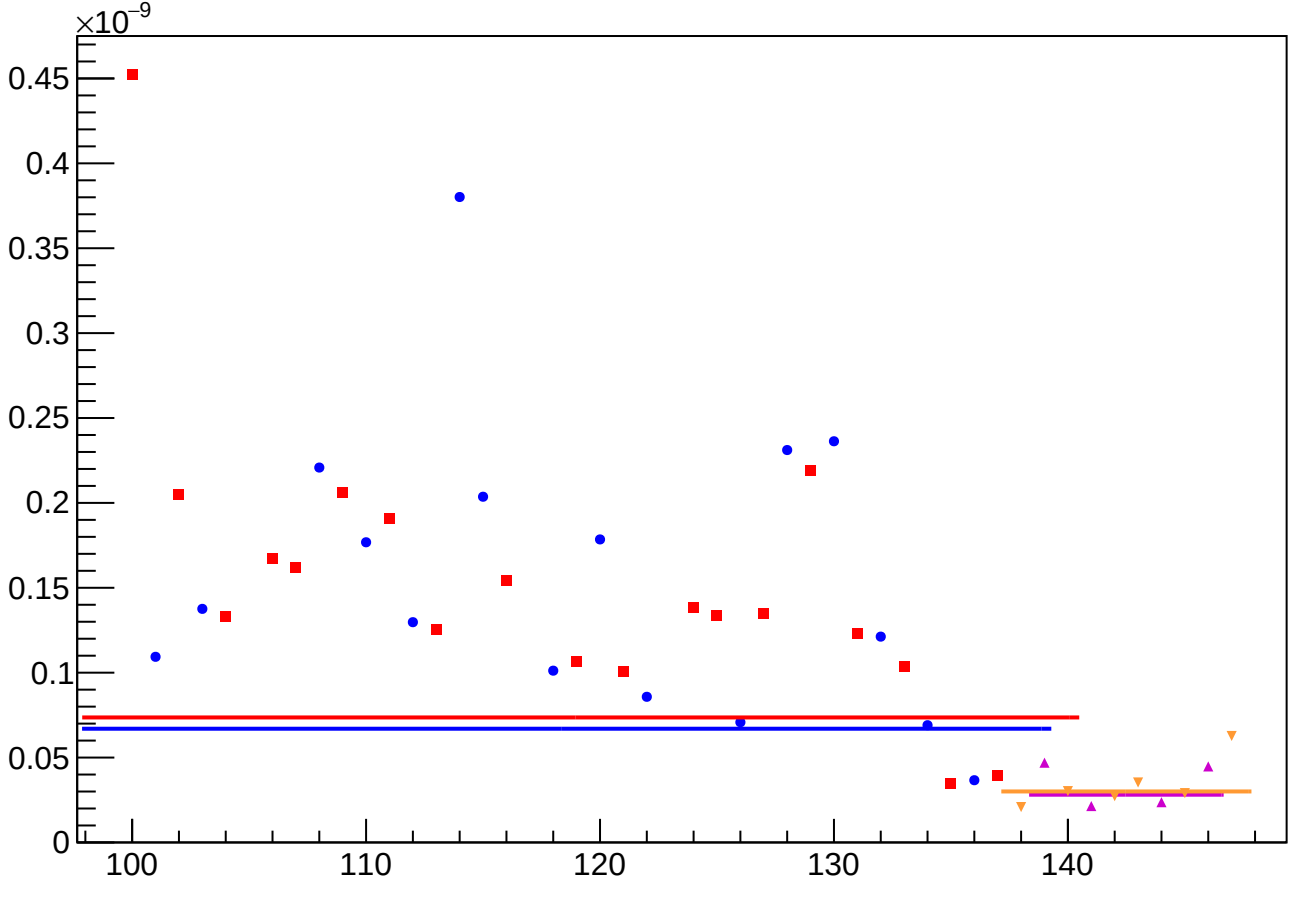
Left: -0.000+/-0.000 χ^2/NDF: 15.7/9

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:21.1/19

Out: 0.000+/-0.000 χ^2/NDF:28.9/24

All: 0.000+/-0.000 χ^2/NDF: 50.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:528277.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:499713.1/3

Left: 0.000+/-0.000 χ^2/NDF: 1038121.1/9

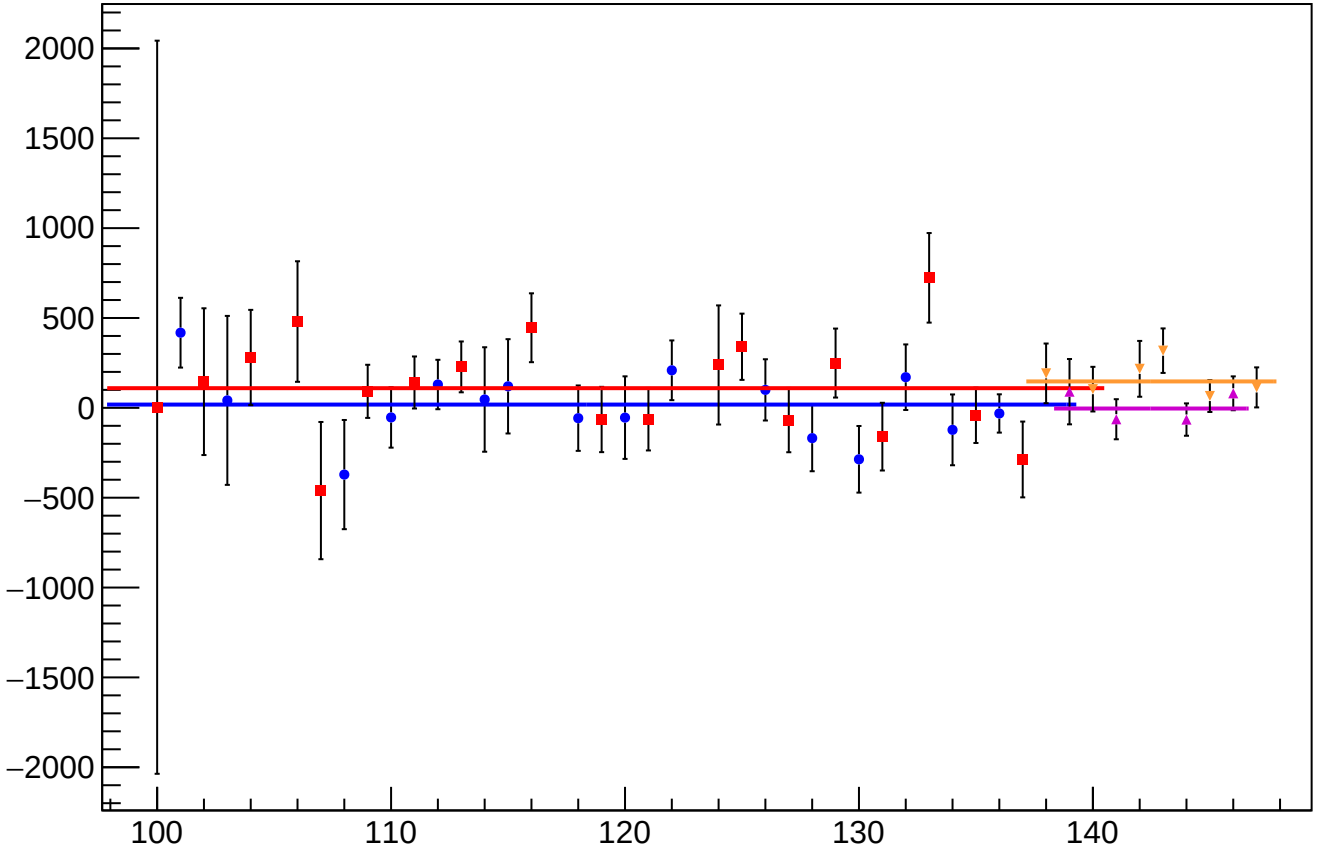
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5449720.6/19

Out: 0.000+/-0.000 χ^2/NDF:6215070.4/24

All: 0.000+/-0.000 χ^2/NDF: 11664874.4/44

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 147.006+/-49.116 χ^2/NDF:3.2/5

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: -3.795+/-53.714 χ^2/NDF:1.8/3

Left: 78.336+/-36.247 χ^2/NDF: 9.3/9

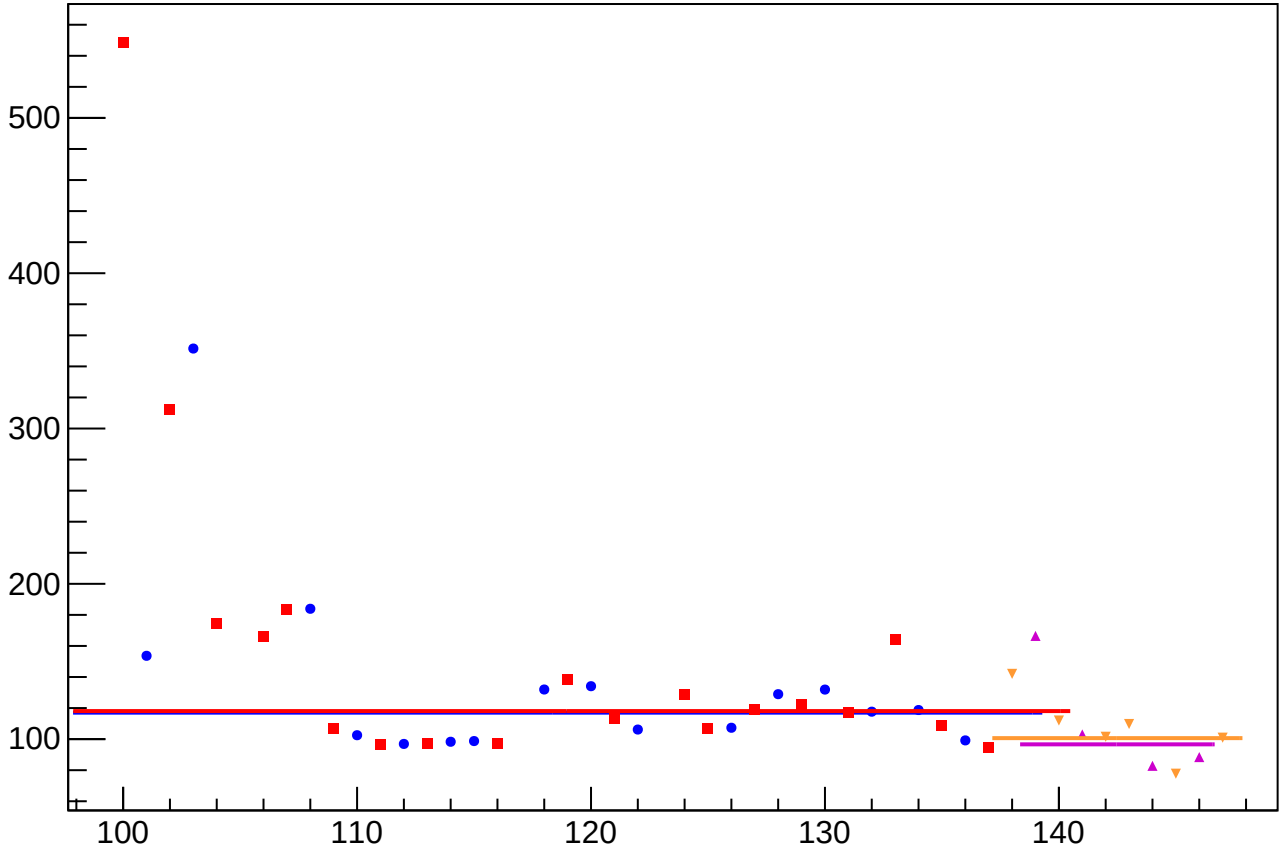
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 8.966+/-34.809 χ^2/NDF:15.8/19

Out: 126.918+/-33.506 χ^2/NDF:29.0/24

All: 70.190+/-24.140 χ^2/NDF: 50.8/44

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.640+/-0.035 χ^2/NDF:284183.8/5

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

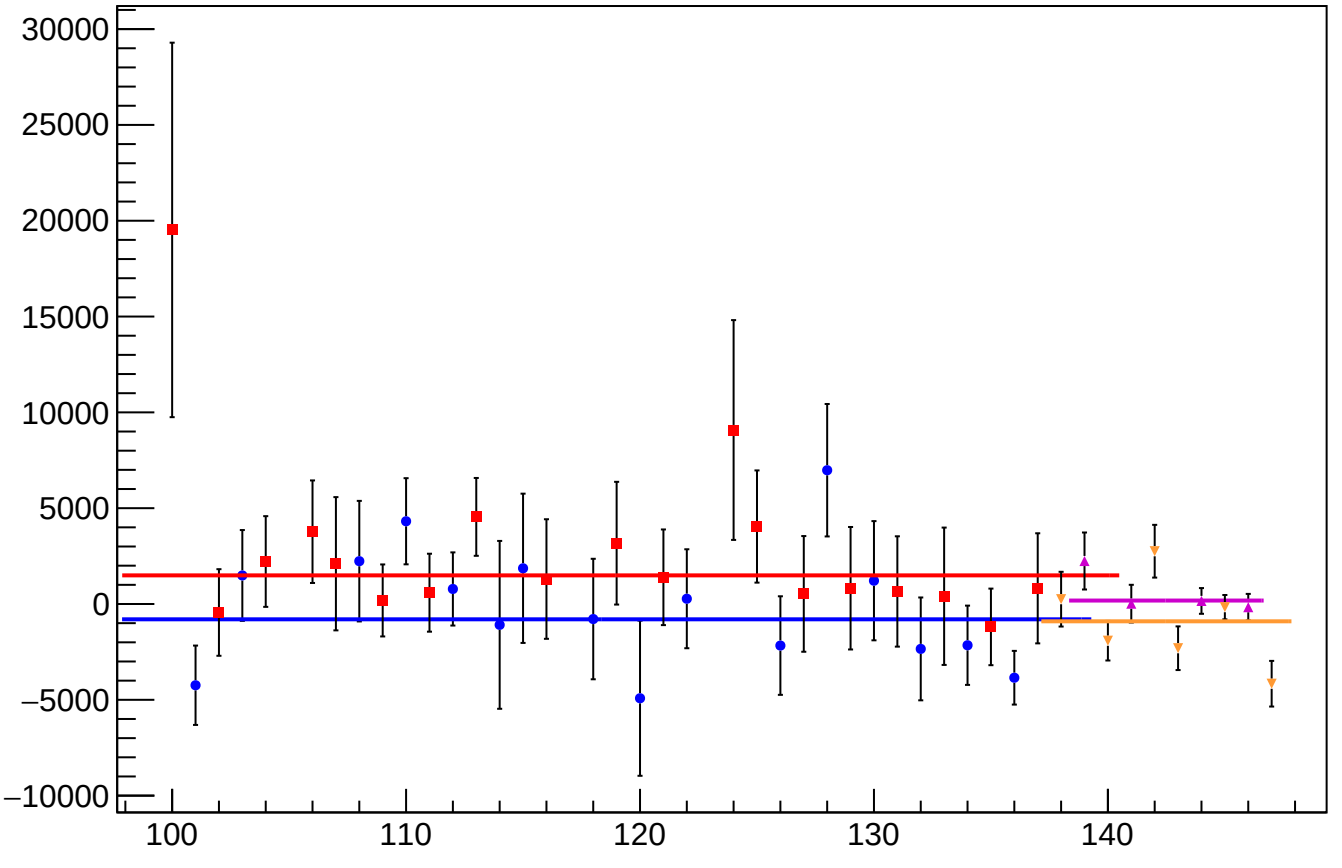
Left: 98.818+/-0.026 χ^2/NDF: 654205.4/9

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 108.485+/-0.025 χ^2/NDF:1390104.5/19

Out: 109.952+/-0.024 χ^2/NDF:1409392.3/24

All: 109.247+/-0.017 χ^2/NDF: 2801339.6/44



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -903.331+/-411.357 χ^2/NDF:19.0/5

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 180.073+/-415.778 χ^2/NDF:2.2/3

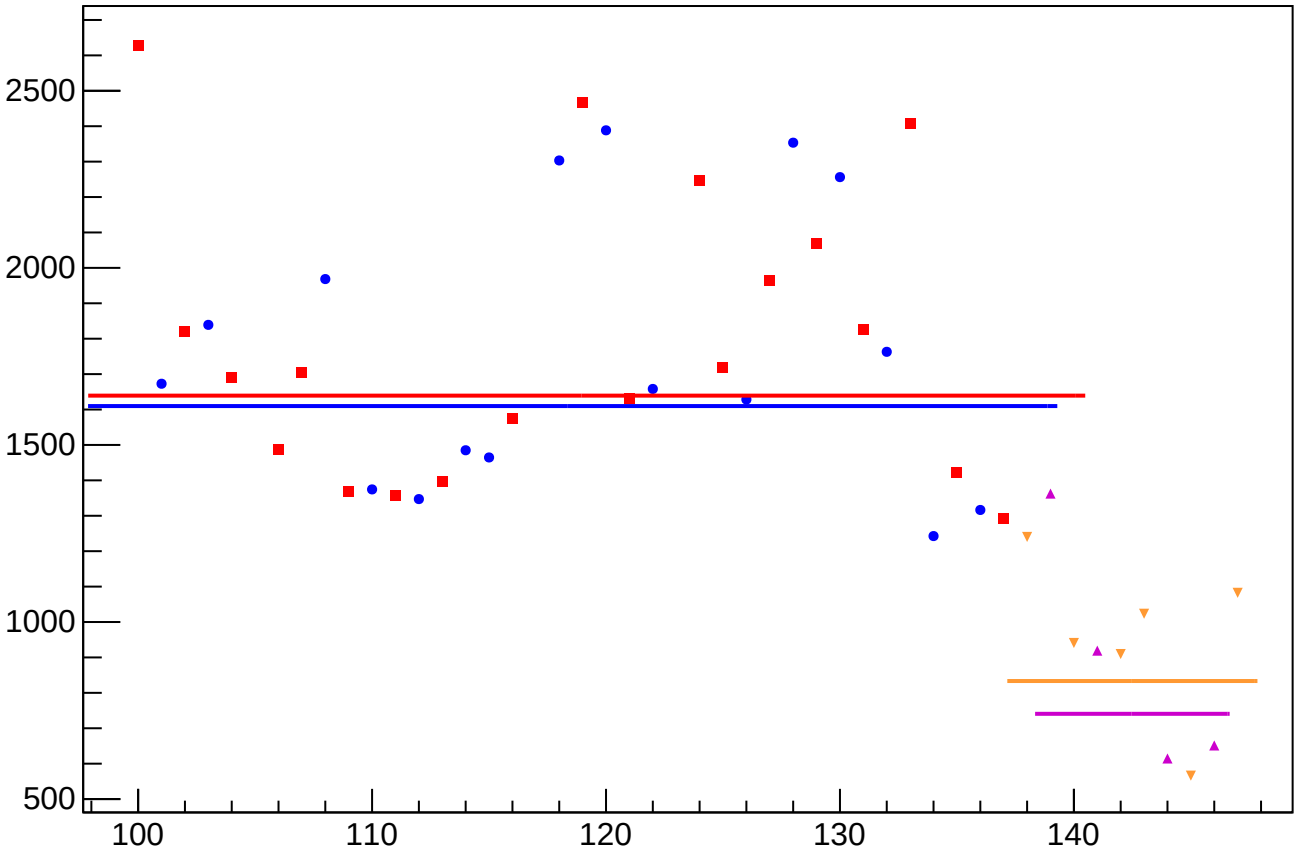
Left: -367.419+/-292.424 χ^2/NDF: 24.7/9

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -126.399+/-344.624 χ^2/NDF:27.4/19

Out: -159.166+/-341.593 χ^2/NDF:42.5/24

All: -142.927+/-242.607 χ^2/NDF: 69.8/44



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 833.370+/-0.291 χ^2/NDF:686923.8/5

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 740.777+/-0.294 χ^2/NDF:519372.4/3

Left: 787.569+/-0.207 χ^2/NDF: 1256420.9/9

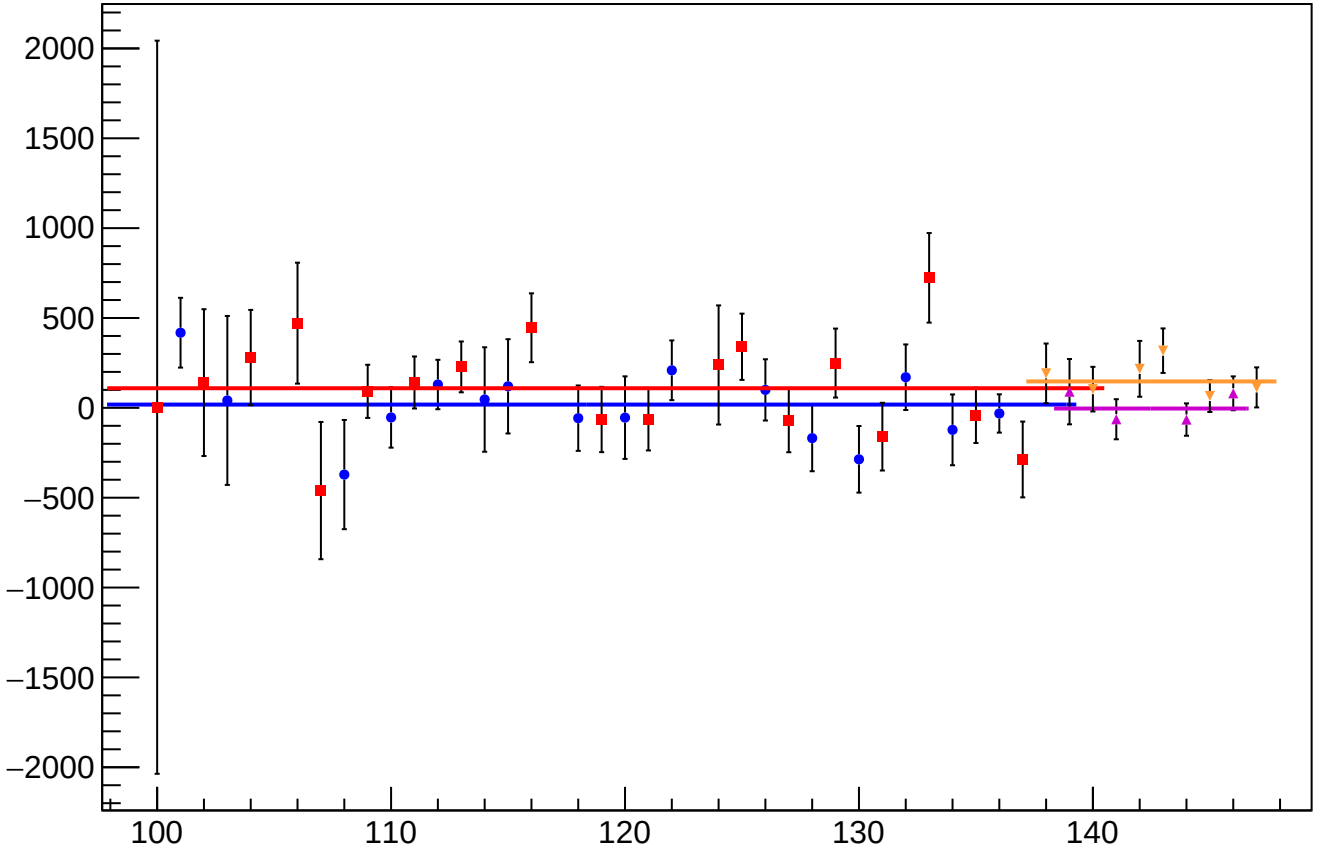
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1012.759+/-0.244 χ^2/NDF:3872943.0/19

Out: 1083.535+/-0.242 χ^2/NDF:3589877.2/24

All: 1048.459+/-0.172 χ^2/NDF: 7505370.3/44

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 147.017+/-49.116 χ^2/NDF:3.2/5

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: -3.793+/-53.714 χ^2/NDF:1.8/3

Left: 78.342+/-36.247 χ^2/NDF: 9.3/9

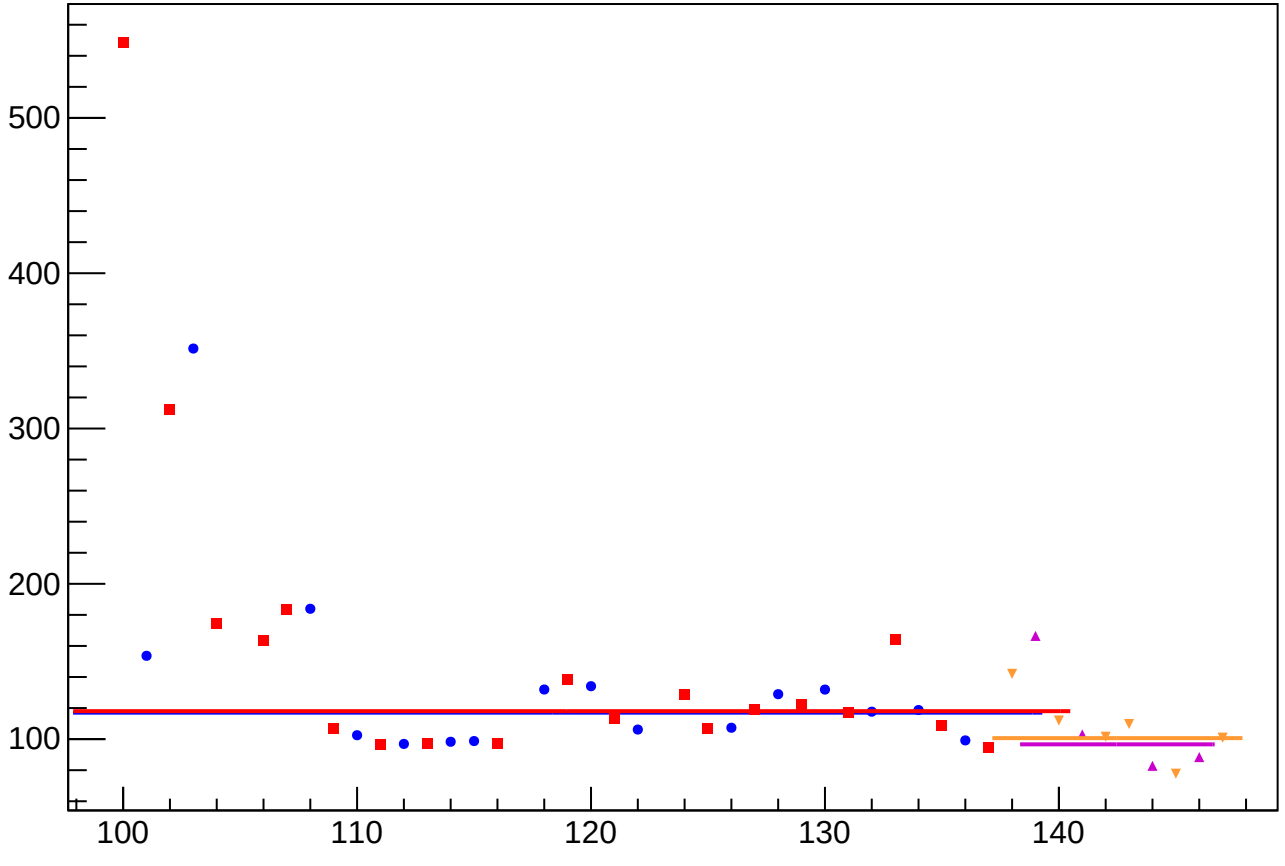
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 8.959+/-34.809 χ^2/NDF:15.8/19

Out: 126.774+/-33.507 χ^2/NDF:28.9/24

All: 70.110+/-24.140 χ^2/NDF: 50.7/44

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.640+/-0.035 χ^2/NDF:284183.8/5

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

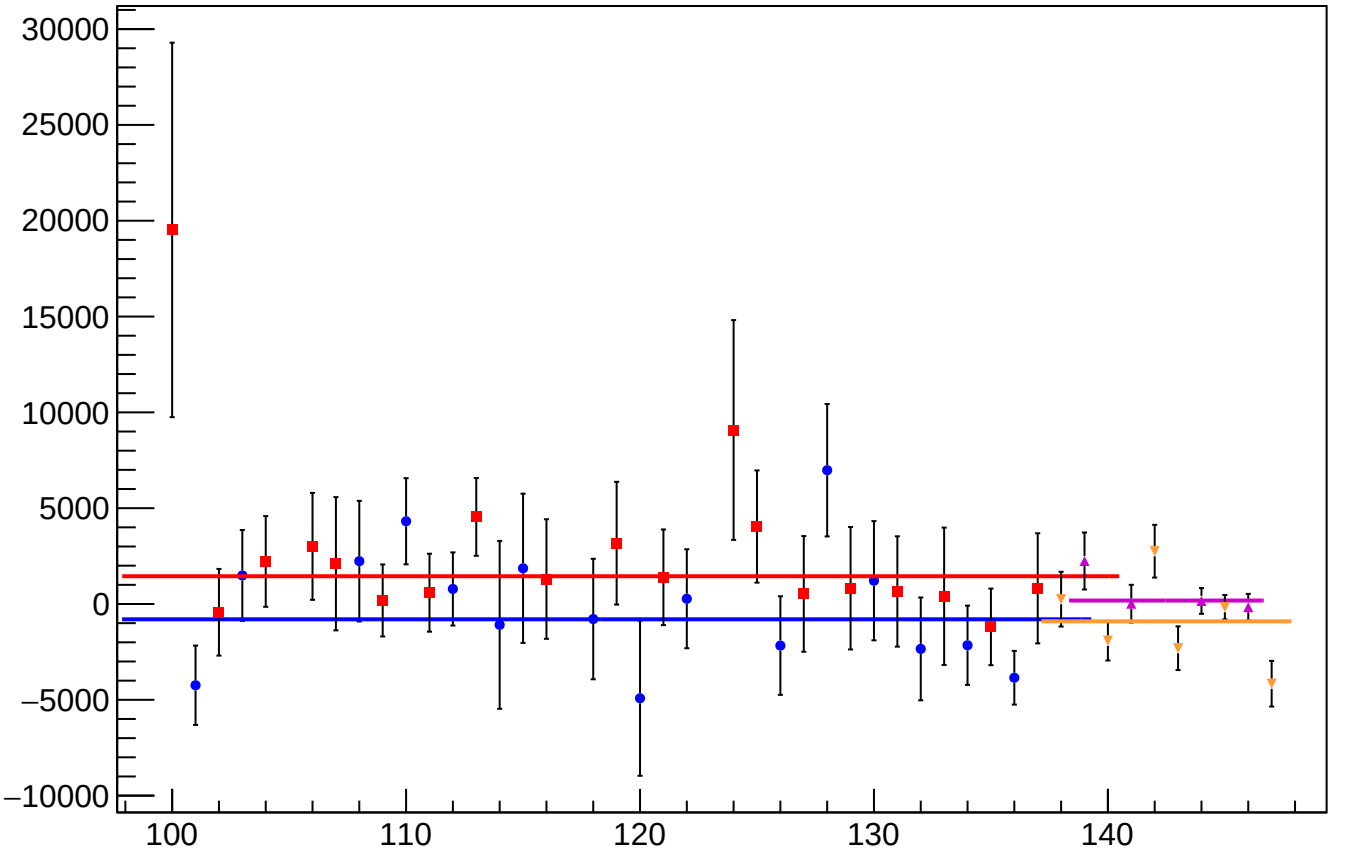
Left: 98.818+/-0.026 χ^2/NDF: 654205.4/9

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 108.485+/-0.025 χ^2/NDF:1390106.5/19

Out: 109.924+/-0.024 χ^2/NDF:1404391.6/24

All: 109.232+/-0.017 χ^2/NDF: 2796270.4/44



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -903.319+/-411.357 χ^2/NDF:19.0/5

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 180.082+/-415.778 χ^2/NDF:2.2/3

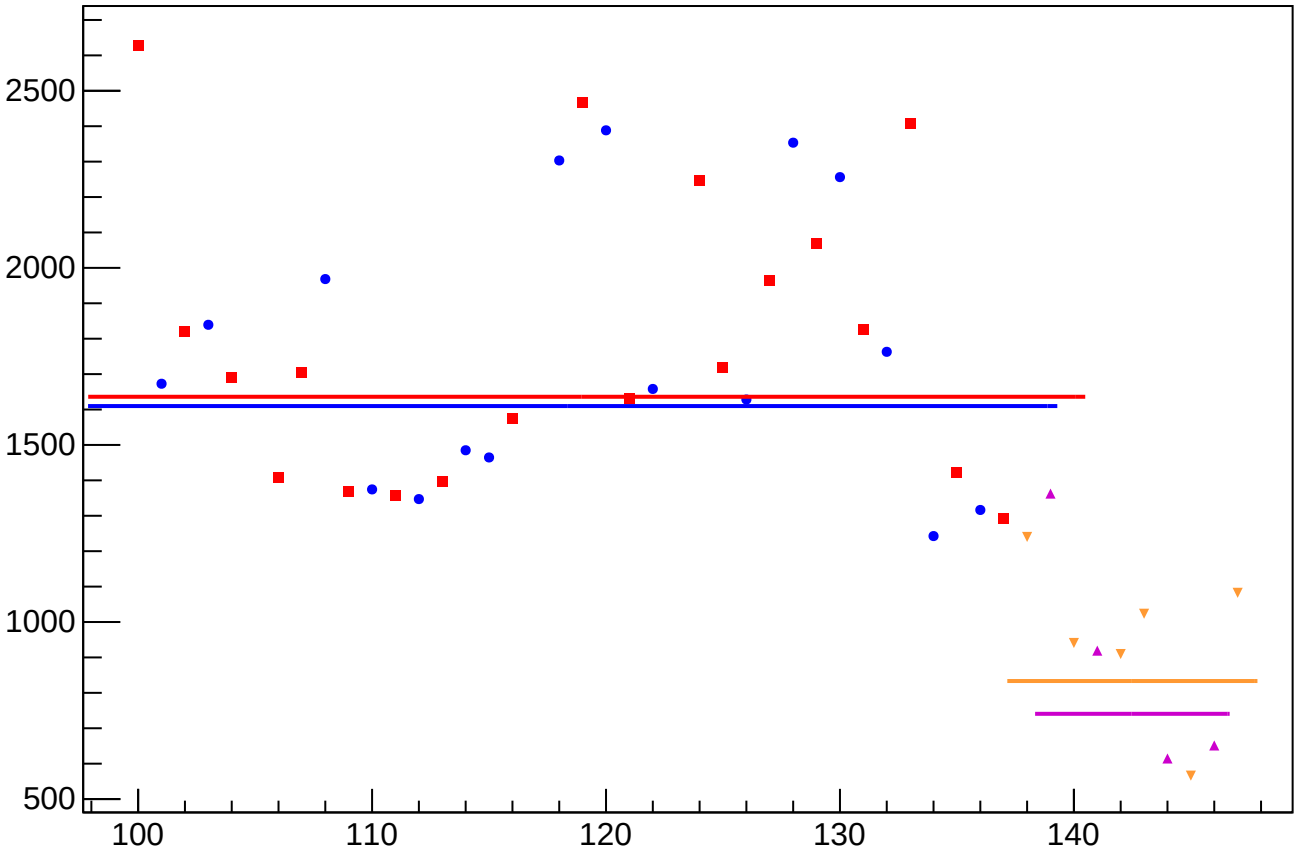
Left: -367.408+/-292.424 χ^2/NDF: 24.7/9

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -126.384+/-344.625 χ^2/NDF:27.4/19

Out: -175.477+/-341.825 χ^2/NDF:41.6/24

All: -151.131+/-242.691 χ^2/NDF: 69.0/44



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 833.370+/-0.291 χ^2/NDF:686923.9/5

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 740.777+/-0.294 χ^2/NDF:519373.9/3

Left: 787.568+/-0.207 χ^2/NDF: 1256422.6/9

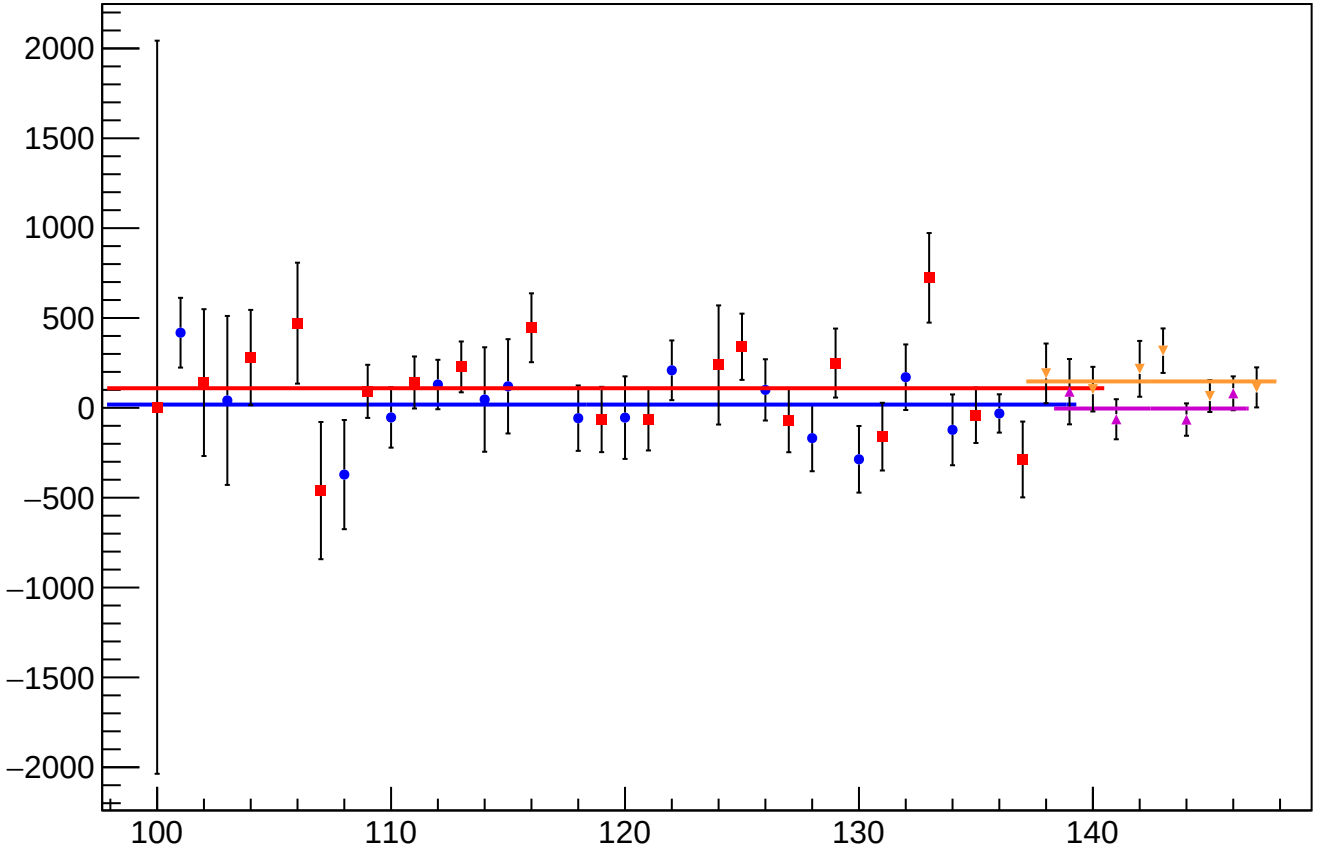
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1012.758+/-0.244 χ^2/NDF:3873007.5/19

Out: 1081.789+/-0.242 χ^2/NDF:3571507.1/24

All: 1047.555+/-0.172 χ^2/NDF: 7484964.9/44

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 147.017+/-49.116 χ^2/NDF:3.2/5

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: -3.793+/-53.714 χ^2/NDF:1.8/3

Left: 78.342+/-36.247 χ^2/NDF: 9.3/9

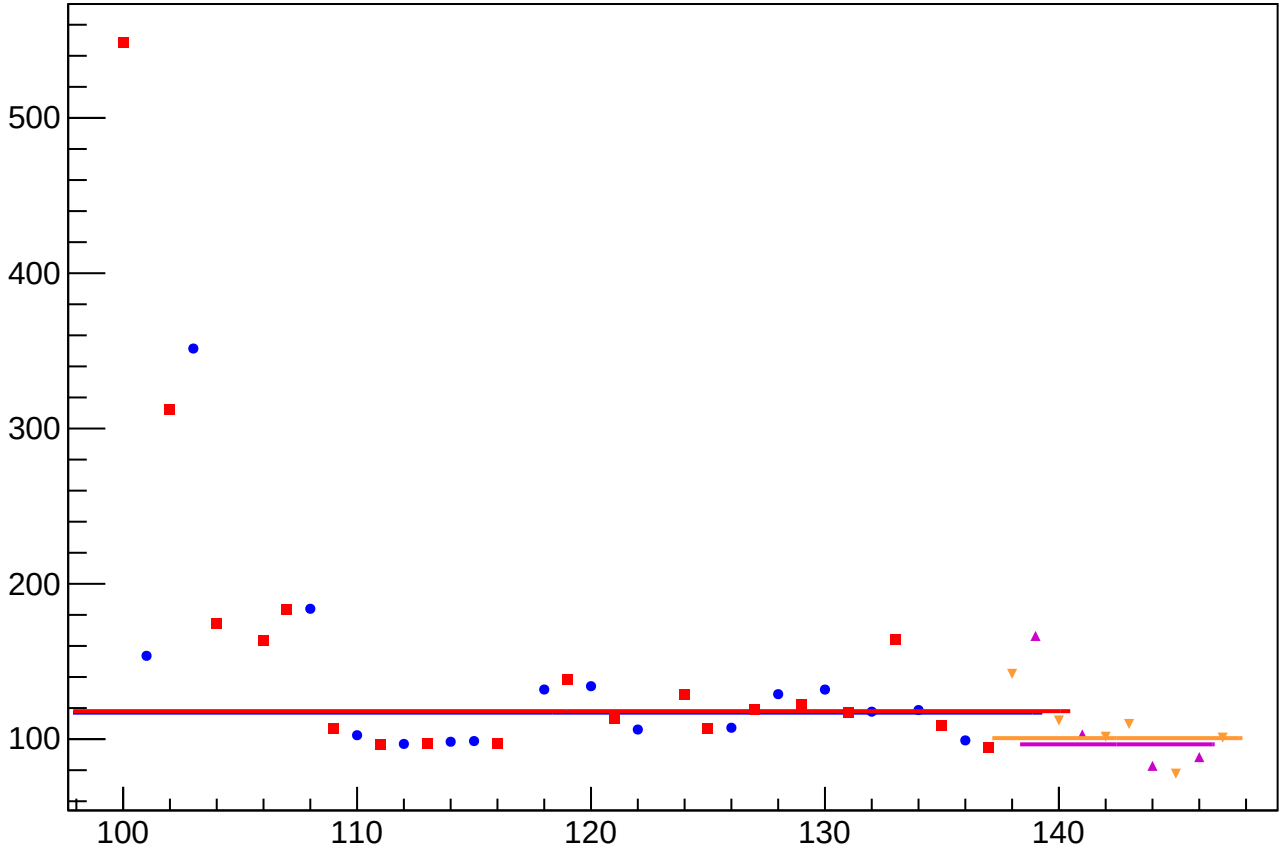
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 8.959+/-34.809 χ^2/NDF:15.8/19

Out: 126.774+/-33.507 χ^2/NDF:28.9/24

All: 70.110+/-24.140 χ^2/NDF: 50.7/44

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.640+/-0.035 χ^2/NDF:284183.8/5

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 96.638+/-0.038 χ^2/NDF:363975.5/3

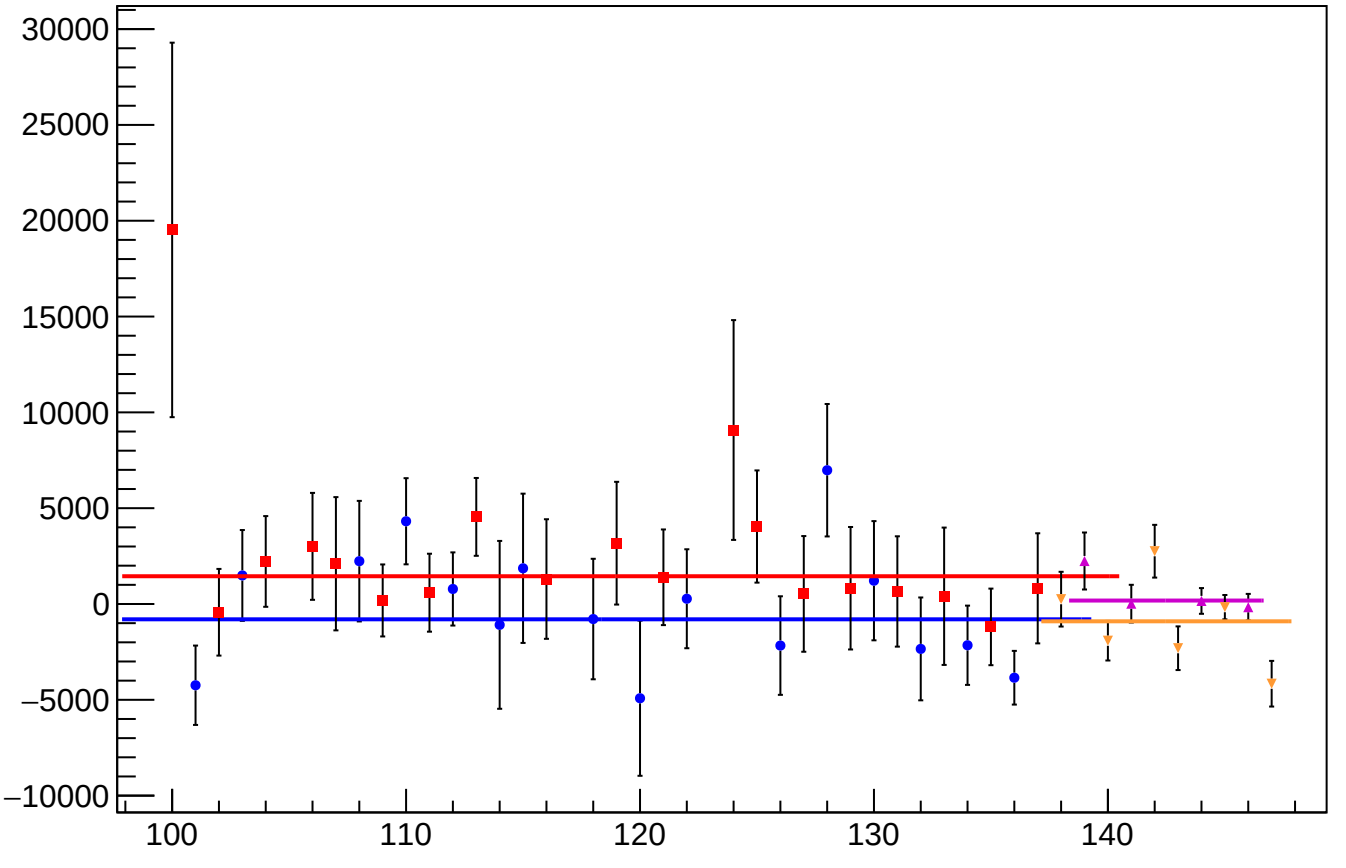
Left: 98.818+/-0.026 χ^2/NDF: 654205.4/9

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 108.485+/-0.025 χ^2/NDF:1390106.5/19

Out: 109.924+/-0.024 χ^2/NDF:1404391.6/24

All: 109.232+/-0.017 χ^2/NDF: 2796270.4/44



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -903.319+/-411.357 χ^2/NDF:19.0/5

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 180.082+/-415.778 χ^2/NDF:2.2/3

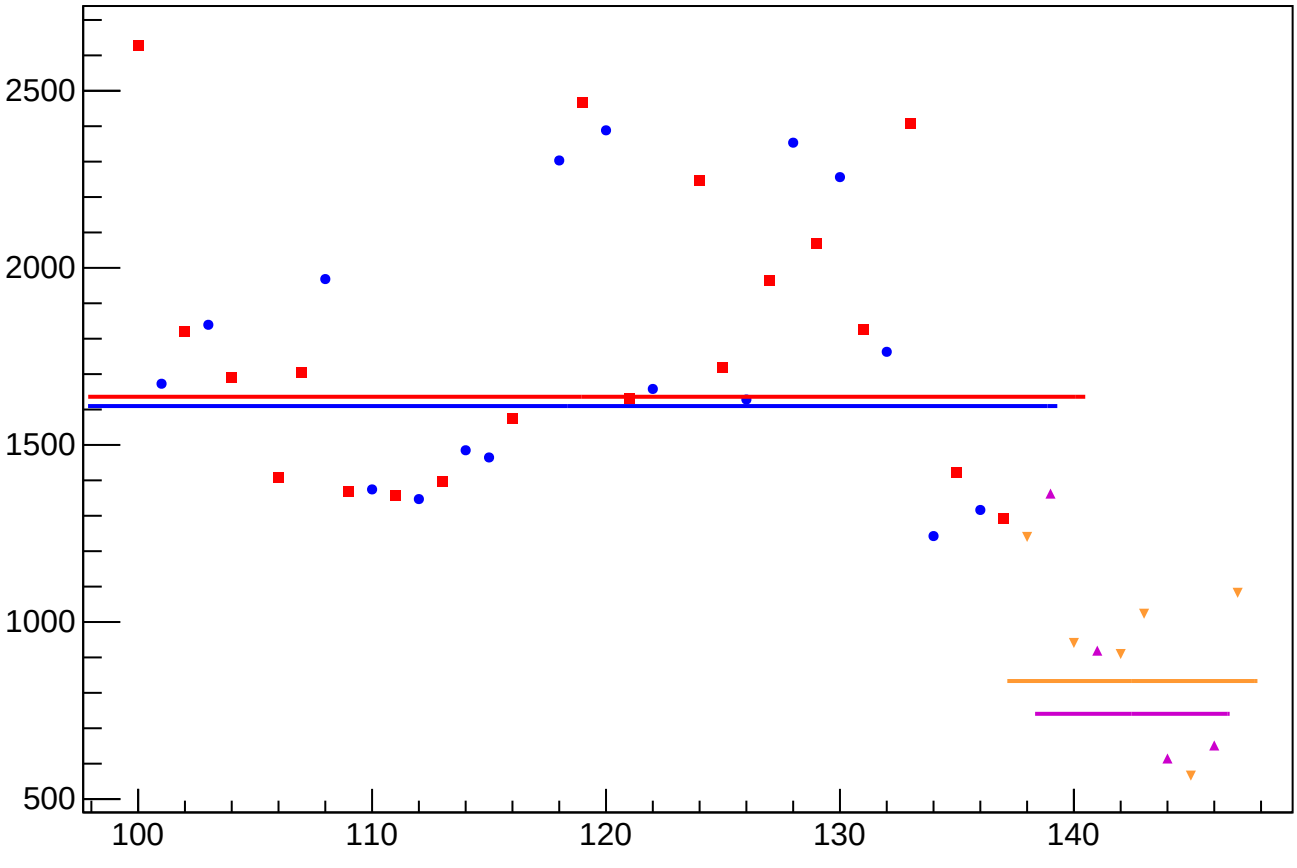
Left: -367.408+/-292.424 χ^2/NDF: 24.7/9

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -126.384+/-344.625 χ^2/NDF:27.4/19

Out: -175.477+/-341.825 χ^2/NDF:41.6/24

All: -151.131+/-242.691 χ^2/NDF: 69.0/44



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 833.370+/-0.291 χ^2/NDF:686923.9/5

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 740.777+/-0.294 χ^2/NDF:519373.9/3

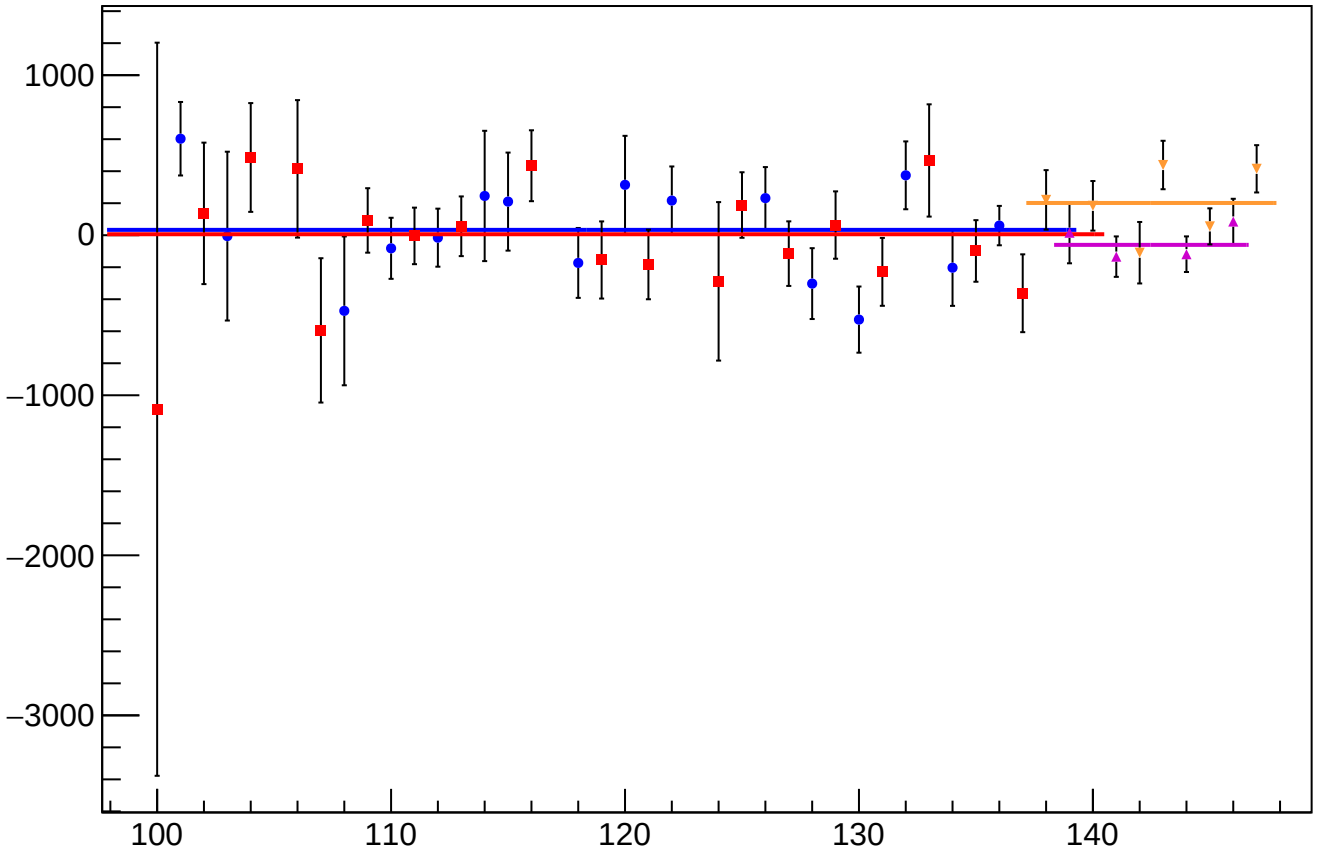
Left: 787.568+/-0.207 χ^2/NDF: 1256422.6/9

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1012.758+/-0.244 χ^2/NDF:3873007.5/19

Out: 1081.789+/-0.242 χ^2/NDF:3571507.1/24

All: 1047.555+/-0.172 χ^2/NDF: 7484964.9/44



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 201.524+/-61.341 χ^2/NDF:8.9/5

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: -60.306+/-67.368 χ^2/NDF:1.8/3

Left: 82.841+/-45.356 χ^2/NDF: 19.0/9

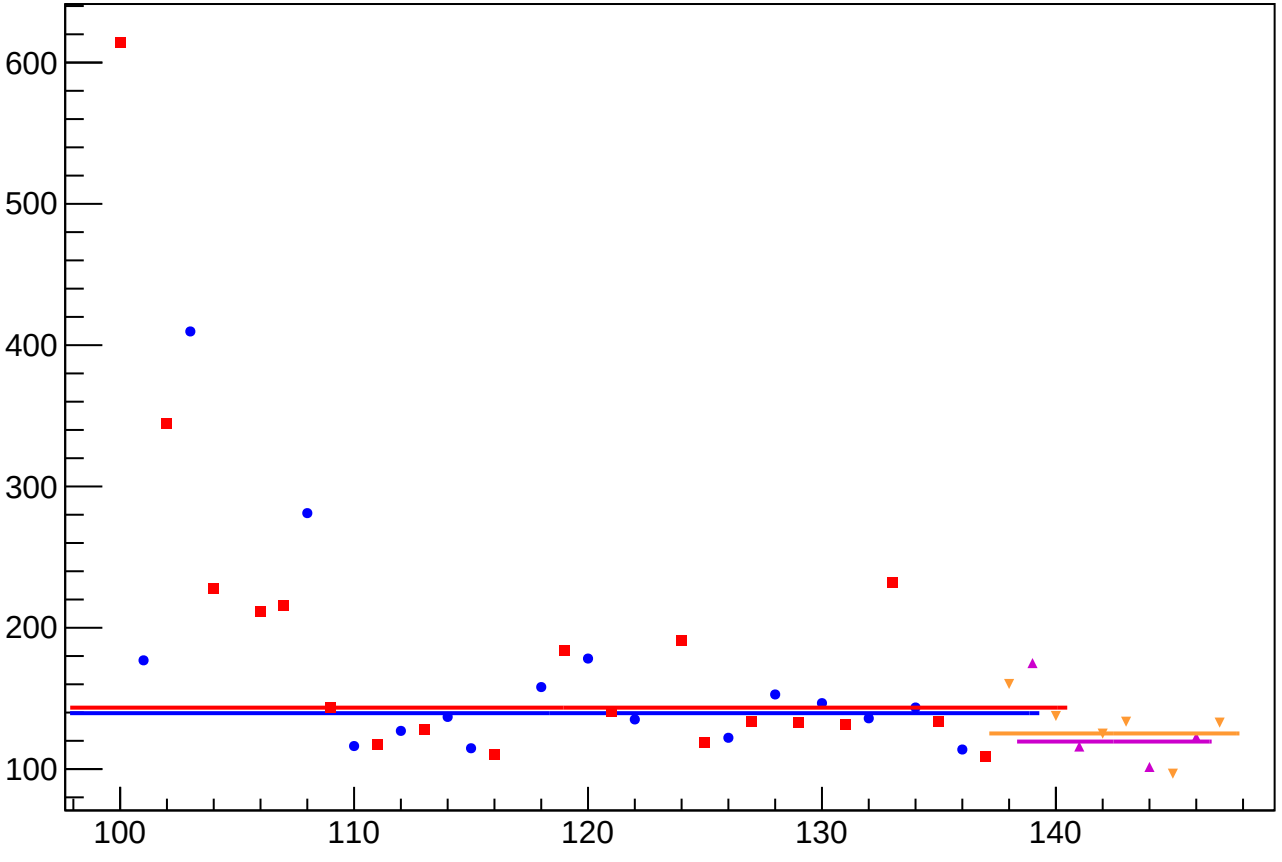
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: -3.960+/-42.562 χ^2/NDF:28.2/19

Out: 95.094+/-41.394 χ^2/NDF:31.7/24

All: 46.945+/-29.674 χ^2/NDF: 62.7/44

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 125.204+/-0.043 χ^2/NDF:222481.8/5

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 119.477+/-0.048 χ^2/NDF:223359.9/3

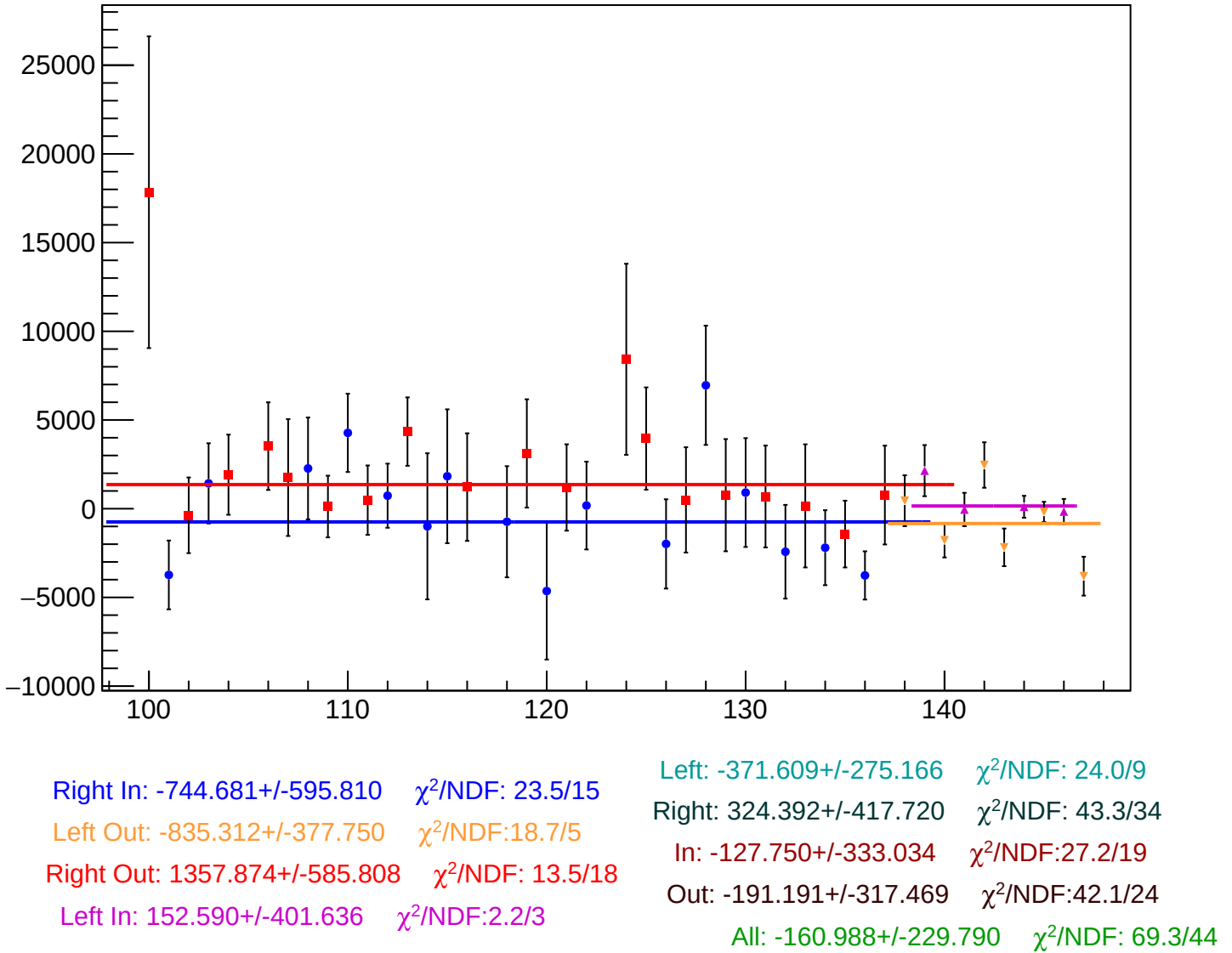
Left: 122.608+/-0.032 χ^2/NDF: 453745.2/9

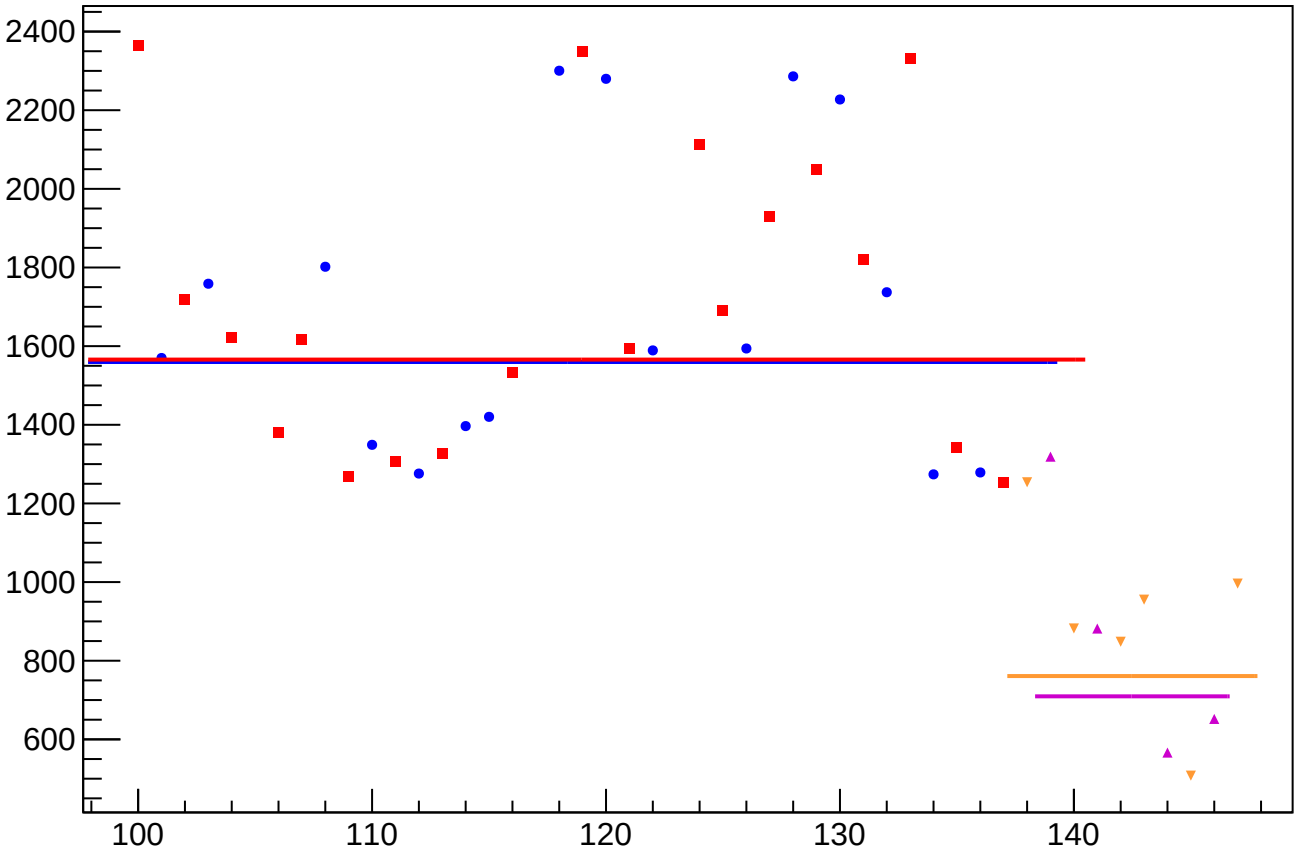
Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 131.548+/-0.030 χ^2/NDF:1306960.7/19

Out: 135.157+/-0.029 χ^2/NDF:1435834.3/24

All: 133.403+/-0.021 χ^2/NDF: 2750187.6/44


asym_sam3_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -744.681+/-595.810 χ²/NDF: 23.5/15
Left Out: -835.312+/-377.750 χ²/NDF:18.7/5
Right Out: 1357.874+/-585.808 χ²/NDF: 13.5/18
Left In: 152.590+/-401.636 χ²/NDF:2.2/3
Left: -371.609+/-275.166 χ²/NDF: 24.0/9
Right: 324.392+/-417.720 χ²/NDF: 43.3/34
In: -127.750+/-333.034 χ²/NDF:27.2/19
Out: -191.191+/-317.469 χ²/NDF:42.1/24
All: -160.988+/-229.790 χ²/NDF: 69.3/44



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 761.003+/-0.267 χ^2/NDF:835874.2/5

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 709.442+/-0.284 χ^2/NDF:544656.6/3

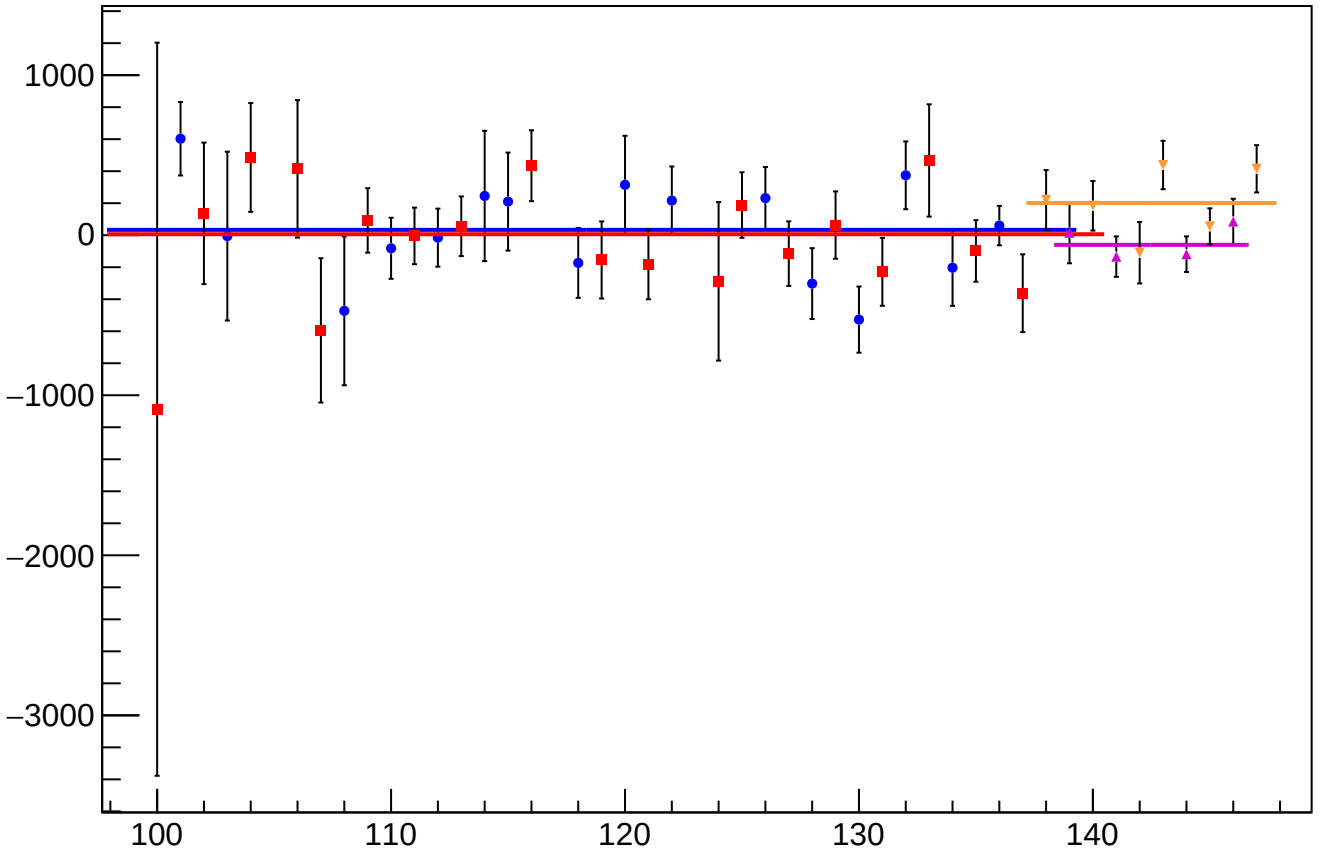
Left: 736.801+/-0.195 χ^2/NDF: 1398020.5/9

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 975.105+/-0.235 χ^2/NDF:3949552.0/19

Out: 997.368+/-0.224 χ^2/NDF:4065934.3/24

All: 986.769+/-0.162 χ^2/NDF: 8020168.6/44



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 201.523+/-61.342 χ^2/NDF:8.9/5

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -60.305+/-67.368 χ^2/NDF:1.8/3

Left: 82.841+/-45.356 χ^2/NDF: 19.0/9

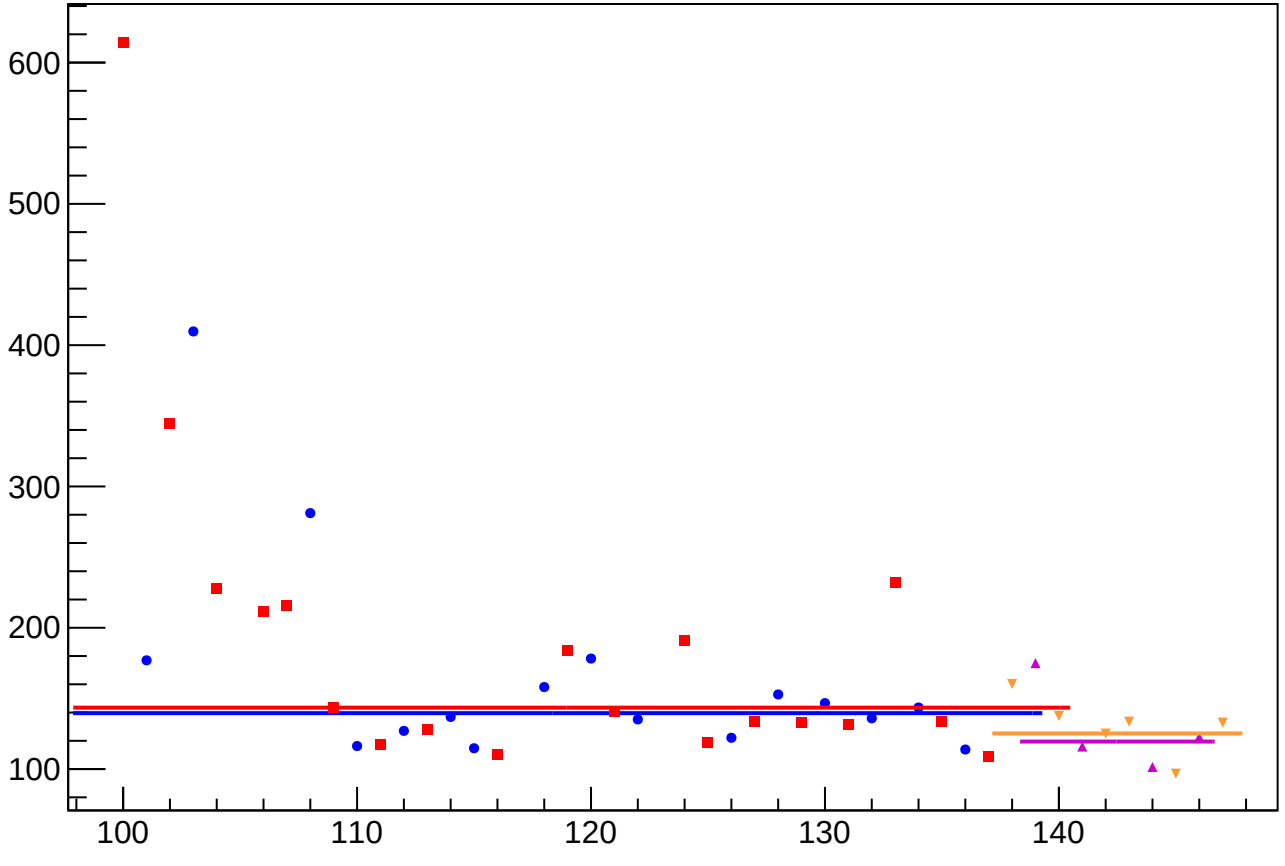
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: -3.960+/-42.562 χ^2/NDF:28.2/19

Out: 95.091+/-41.394 χ^2/NDF:31.7/24

All: 46.943+/-29.674 χ^2/NDF: 62.7/44

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 125.205+/-0.043 χ^2/NDF:222485.3/5

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 119.477+/-0.048 χ^2/NDF:223358.2/3

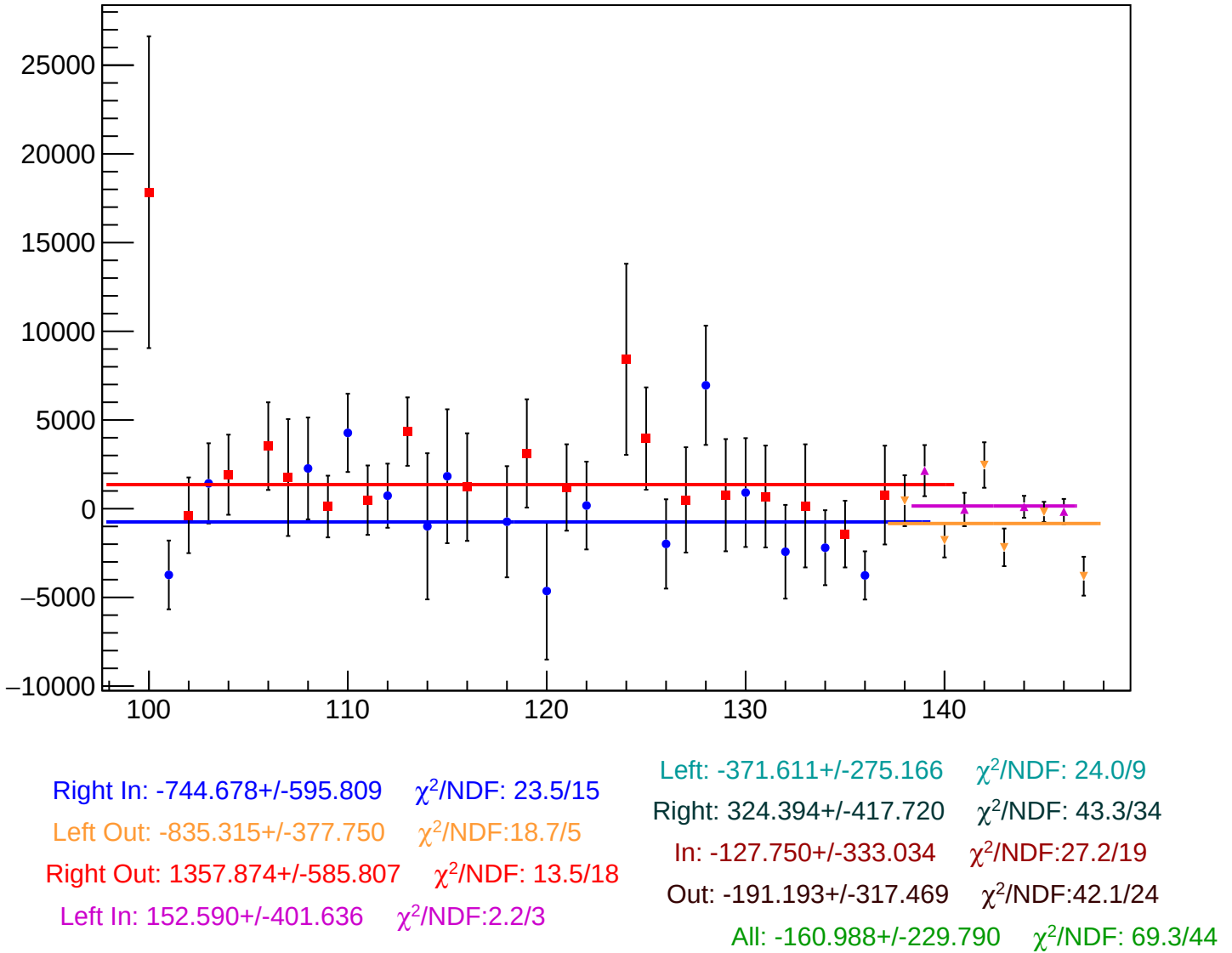
Left: 122.609+/-0.032 χ^2/NDF: 453747.5/9

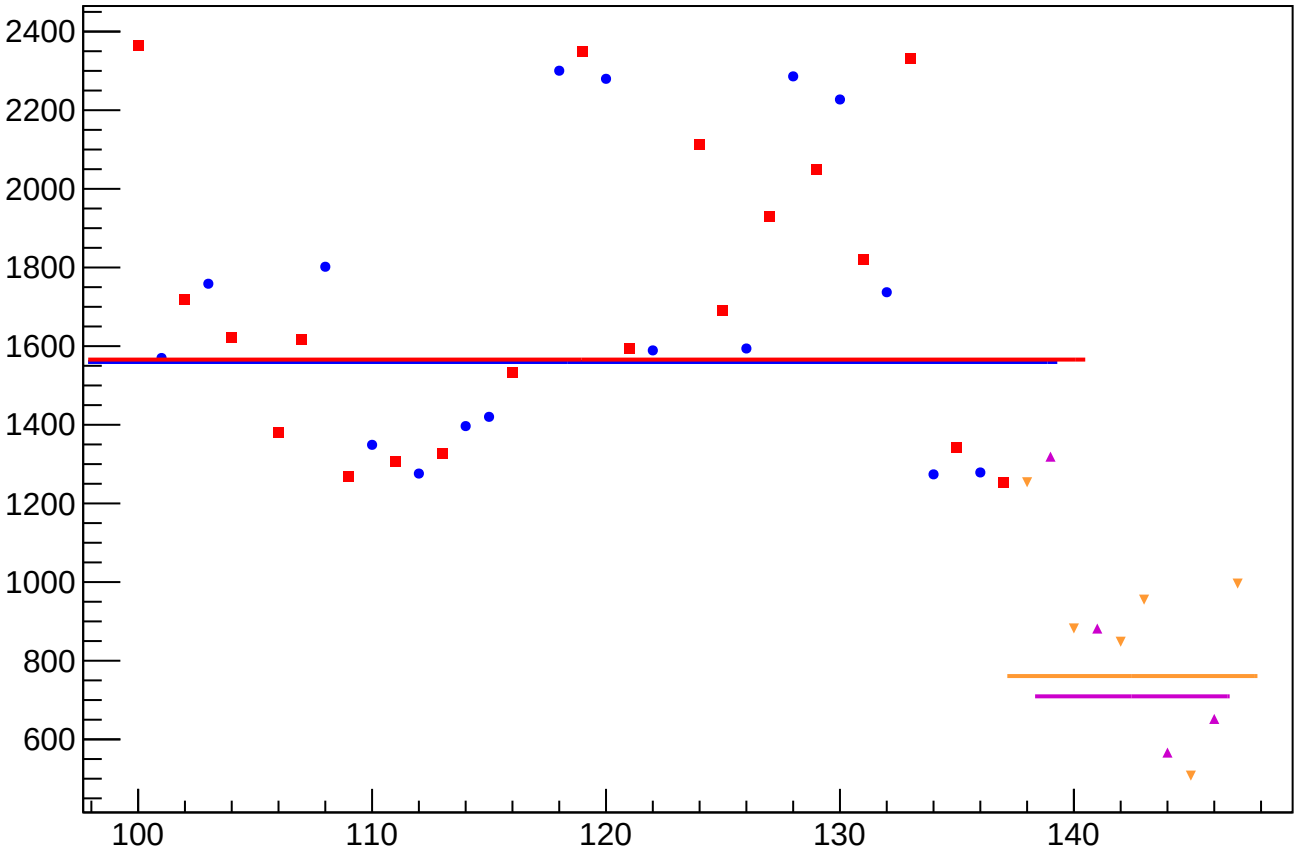
Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 131.548+/-0.030 χ^2/NDF:1306961.1/19

Out: 135.158+/-0.029 χ^2/NDF:1435843.4/24

All: 133.403+/-0.021 χ^2/NDF: 2750198.0/44


asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
Right In: -744.678+/-595.809 χ²/NDF: 23.5/15
Left Out: -835.315+/-377.750 χ²/NDF:18.7/5
Right Out: 1357.874+/-585.807 χ²/NDF: 13.5/18
Left In: 152.590+/-401.636 χ²/NDF:2.2/3
Left: -371.611+/-275.166 χ²/NDF: 24.0/9
Right: 324.394+/-417.720 χ²/NDF: 43.3/34
In: -127.750+/-333.034 χ²/NDF:27.2/19
Out: -191.193+/-317.469 χ²/NDF:42.1/24
All: -160.988+/-229.790 χ²/NDF: 69.3/44



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 761.002+/-0.267 χ^2/NDF:835874.8/5

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 709.442+/-0.284 χ^2/NDF:544657.7/3

Left: 736.801+/-0.195 χ^2/NDF: 1398022.3/9

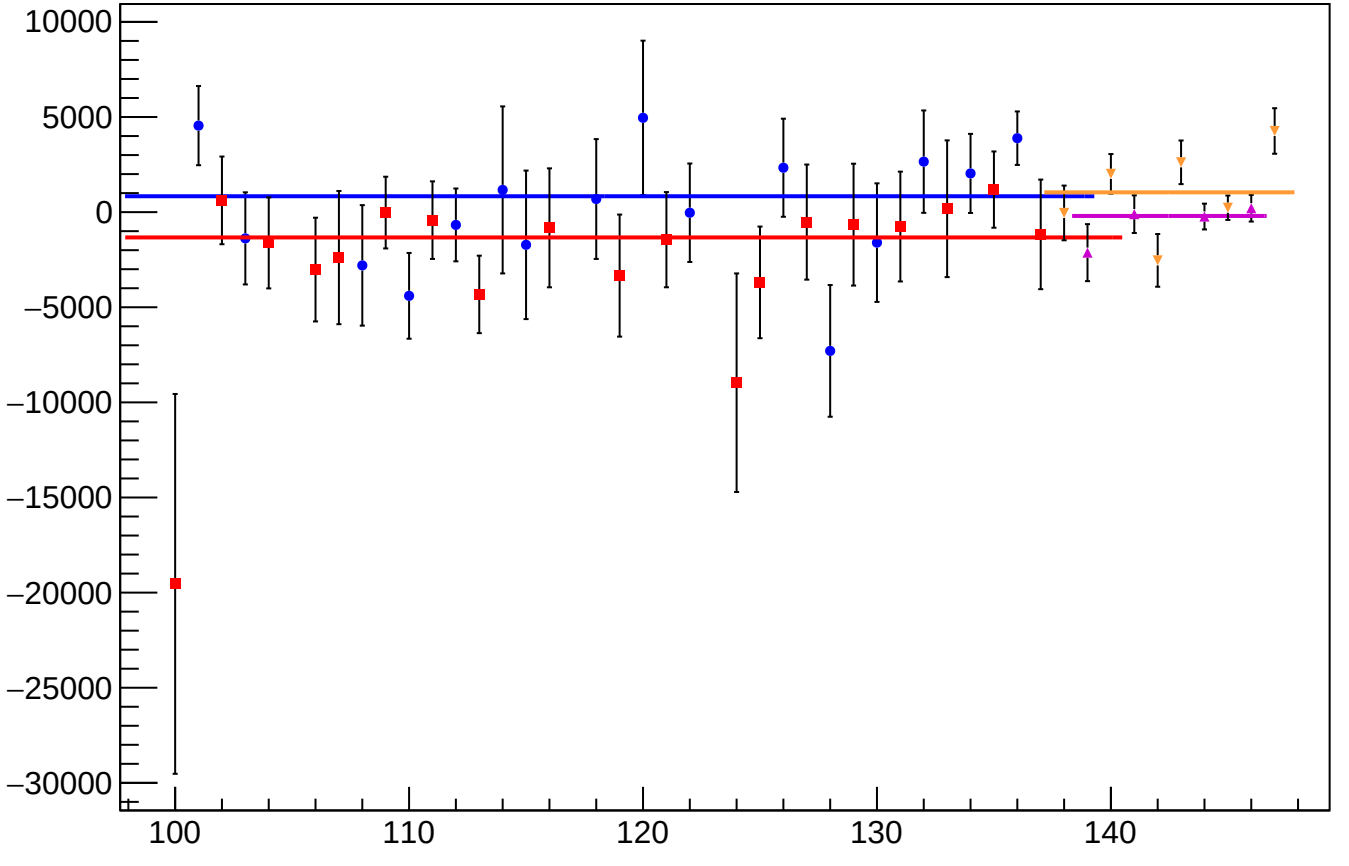
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 975.104+/-0.235 χ^2/NDF:3949552.6/19

Out: 997.367+/-0.224 χ^2/NDF:4065930.1/24

All: 986.768+/-0.162 χ^2/NDF: 8020165.0/44

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1041.148+/-414.685 χ^2/NDF:18.9/5

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -201.250+/-419.554 χ^2/NDF:2.0/3

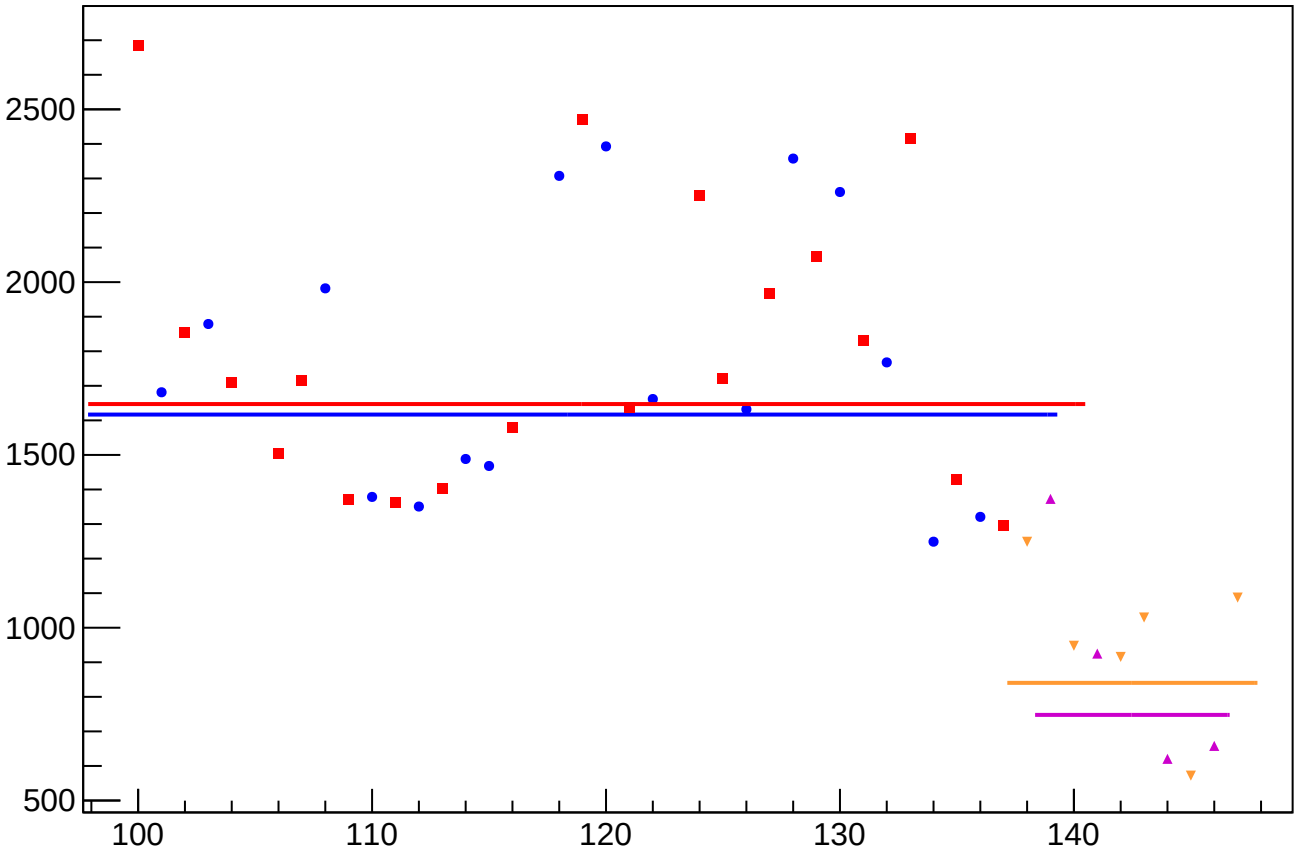
Left: 427.200+/-294.933 χ^2/NDF: 25.3/9

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 125.265+/-347.258 χ^2/NDF:28.8/19

Out: 302.540+/-344.074 χ^2/NDF:41.2/24

All: 214.719+/-244.415 χ^2/NDF: 70.1/44



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 840.465+/-0.293 χ^2/NDF:677635.2/5

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 747.763+/-0.297 χ^2/NDF:515581.2/3

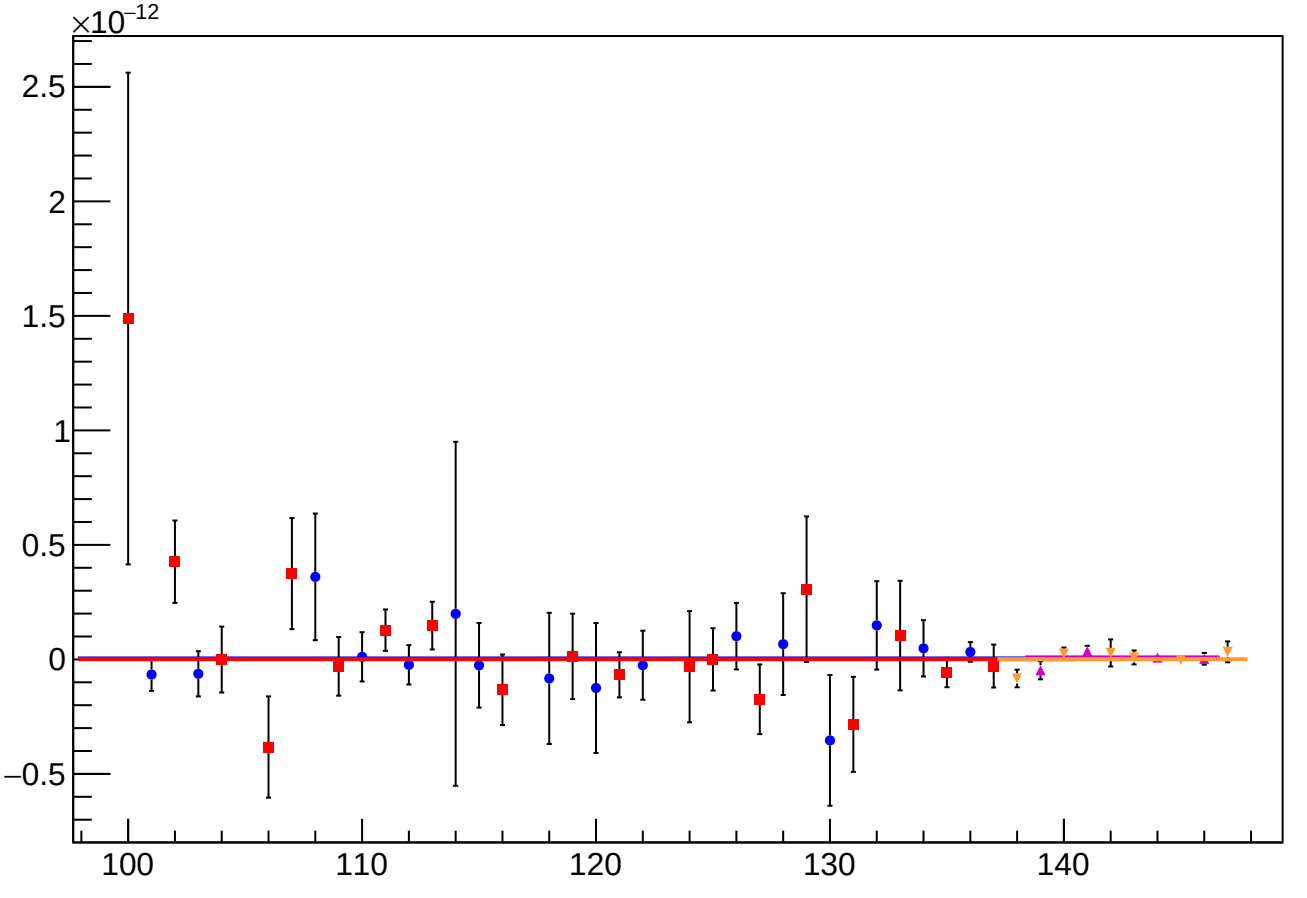
Left: 794.655+/-0.209 χ^2/NDF: 1242606.6/9

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1021.460+/-0.246 χ^2/NDF:3840348.7/19

Out: 1091.819+/-0.243 χ^2/NDF:3559930.9/24

All: 1056.963+/-0.173 χ^2/NDF: 7441708.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/3

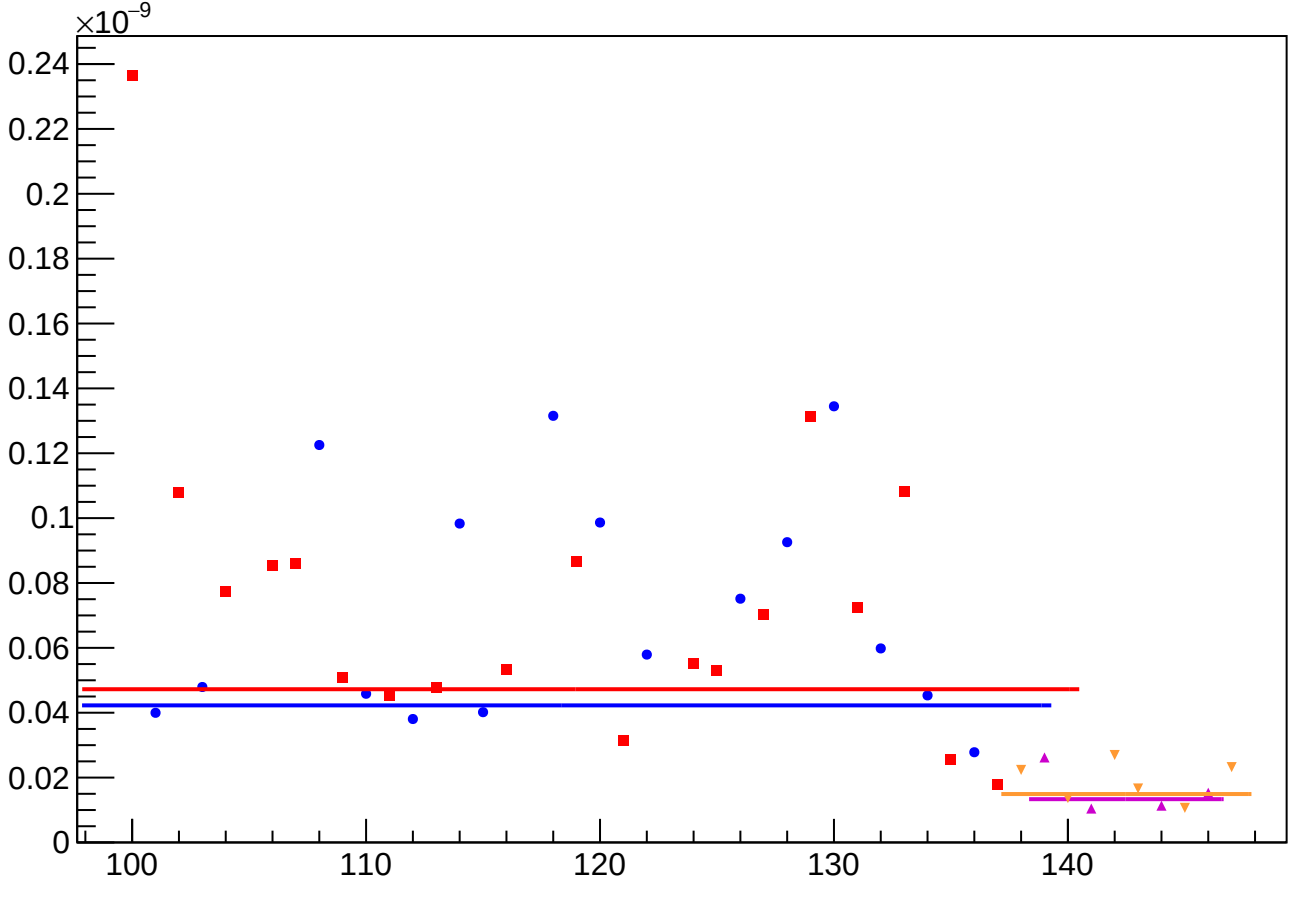
Left: 0.000+/-0.000 χ^2/NDF: 10.0/9

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:10.2/19

Out: 0.000+/-0.000 χ^2/NDF:29.9/24

All: 0.000+/-0.000 χ^2/NDF: 40.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:341405.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:276746.1/3

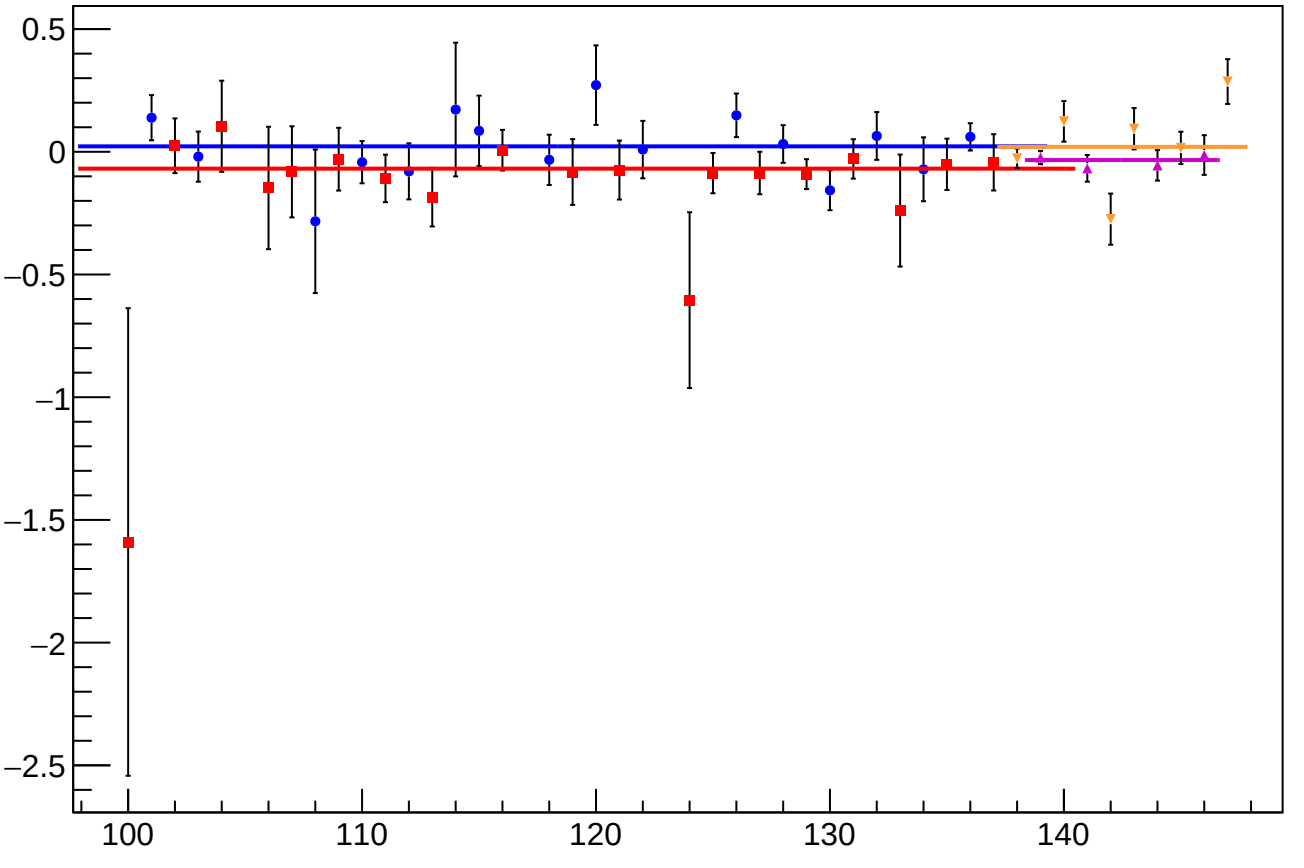
Left: 0.000+/-0.000 χ^2/NDF: 635517.8/9

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:3313924.7/19

Out: 0.000+/-0.000 χ^2/NDF:3715849.1/24

All: 0.000+/-0.000 χ^2/NDF: 7044209.4/44



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.034+/-0.022 χ^2/NDF:0.7/3

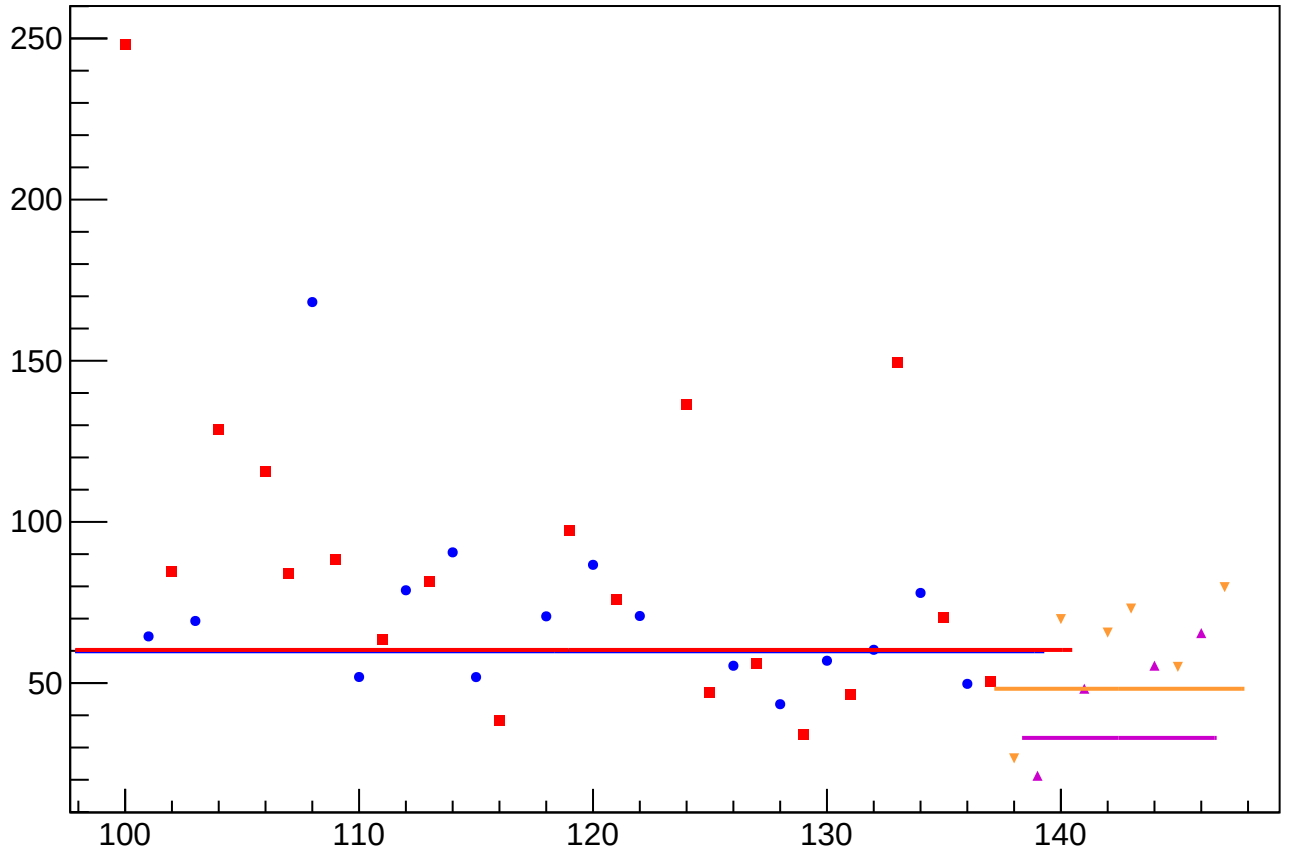
Left: -0.013+/-0.017 χ^2/NDF: 23.3/9

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.016 χ^2/NDF:19.1/19

Out: -0.027+/-0.018 χ^2/NDF:35.6/24

All: -0.017+/-0.012 χ^2/NDF: 55.2/44



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 48.233+/-0.019 χ^2/NDF:1214603.6/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 32.989+/-0.015 χ^2/NDF:1114716.9/3

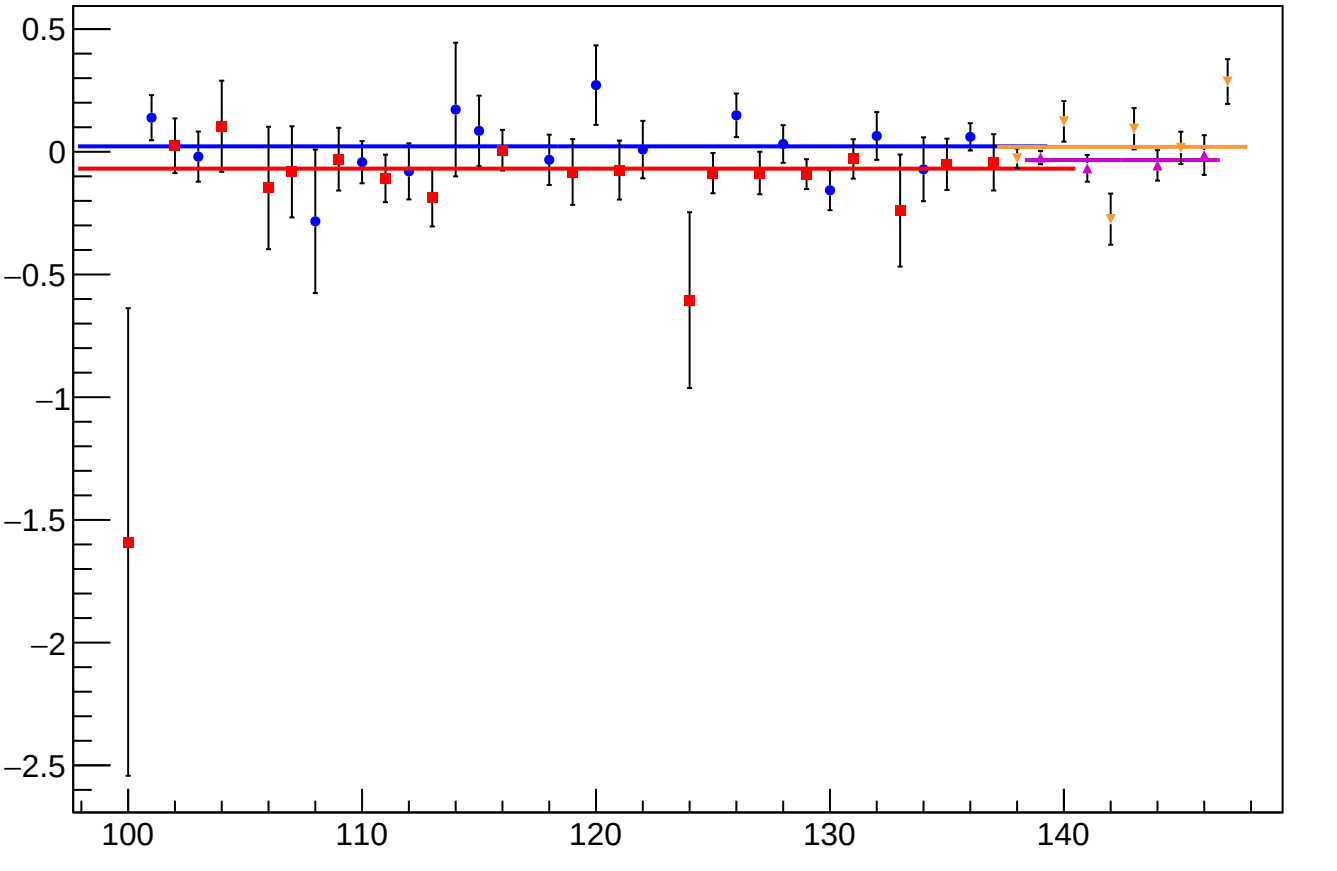
Left: 38.969+/-0.012 χ^2/NDF: 2713329.7/9

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 44.766+/-0.012 χ^2/NDF:3147043.8/19

Out: 54.679+/-0.013 χ^2/NDF:3402919.7/24

All: 49.110+/-0.009 χ^2/NDF: 6872815.8/44



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.034+/-0.022 χ^2/NDF:0.7/3

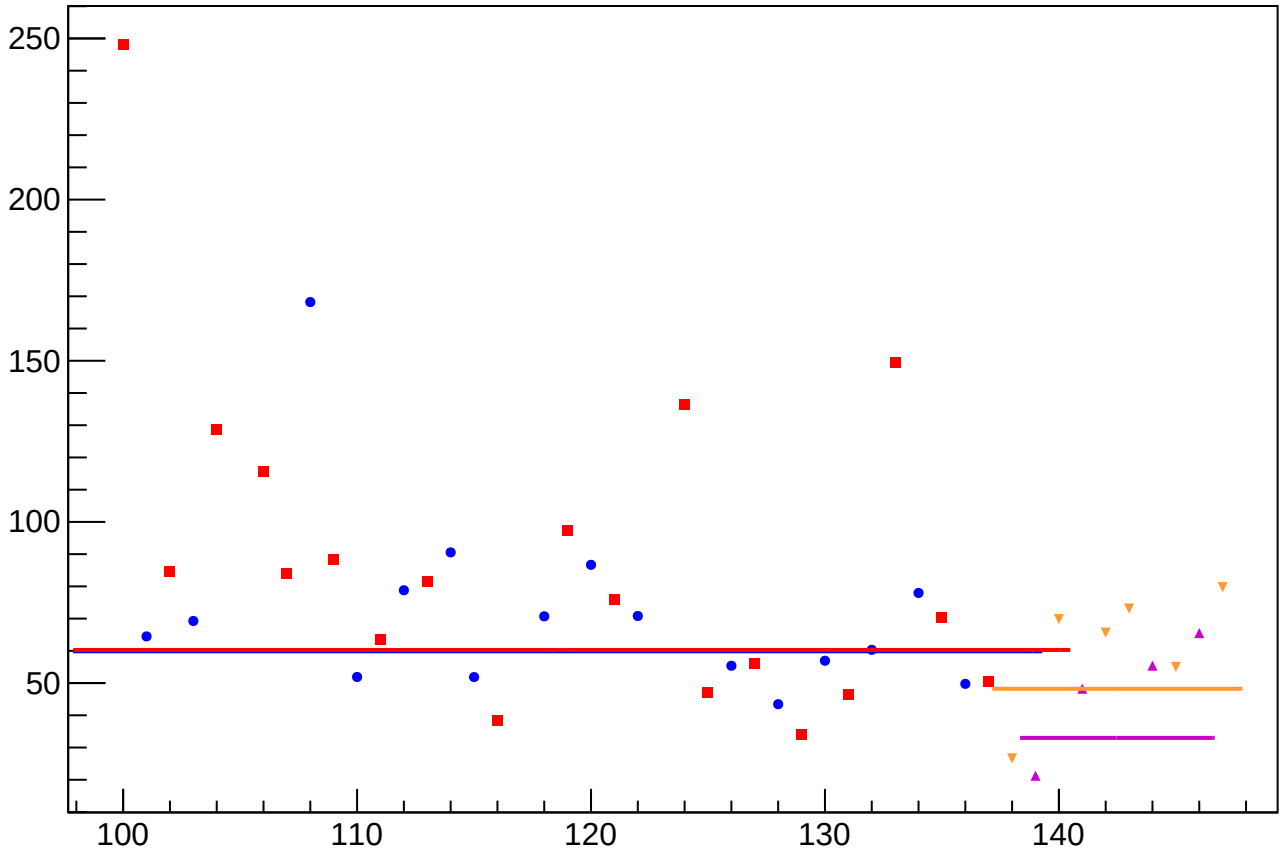
Left: -0.013+/-0.017 χ^2/NDF: 23.3/9

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.016 χ^2/NDF:19.1/19

Out: -0.027+/-0.018 χ^2/NDF:35.6/24

All: -0.017+/-0.012 χ^2/NDF: 55.2/44



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 48.233+/-0.019 χ^2/NDF:1214603.6/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 32.989+/-0.015 χ^2/NDF:1114716.9/3

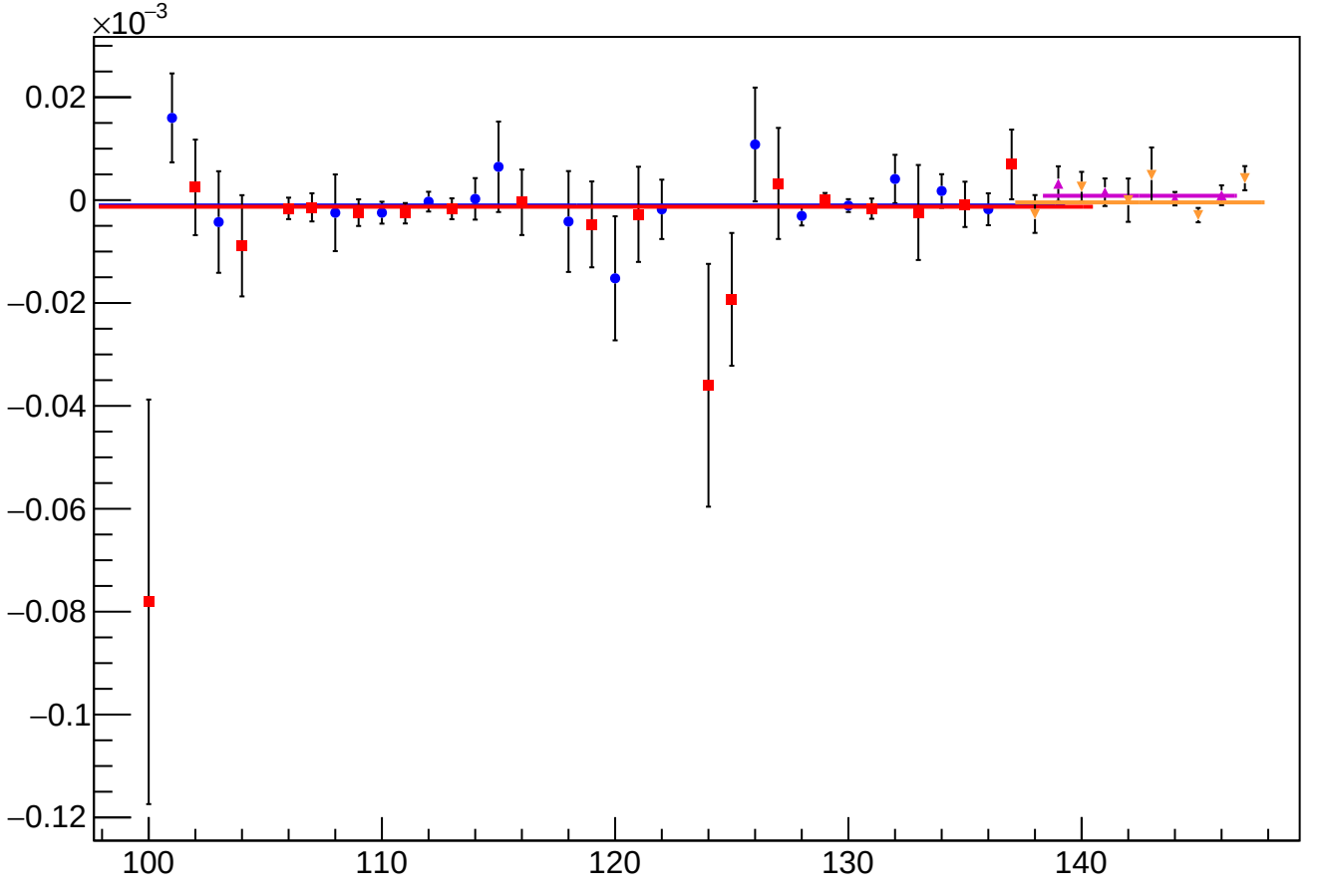
Left: 38.969+/-0.012 χ^2/NDF: 2713329.7/9

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 44.766+/-0.012 χ^2/NDF:3147043.8/19

Out: 54.679+/-0.013 χ^2/NDF:3402919.7/24

All: 49.110+/-0.009 χ^2/NDF: 6872815.8/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

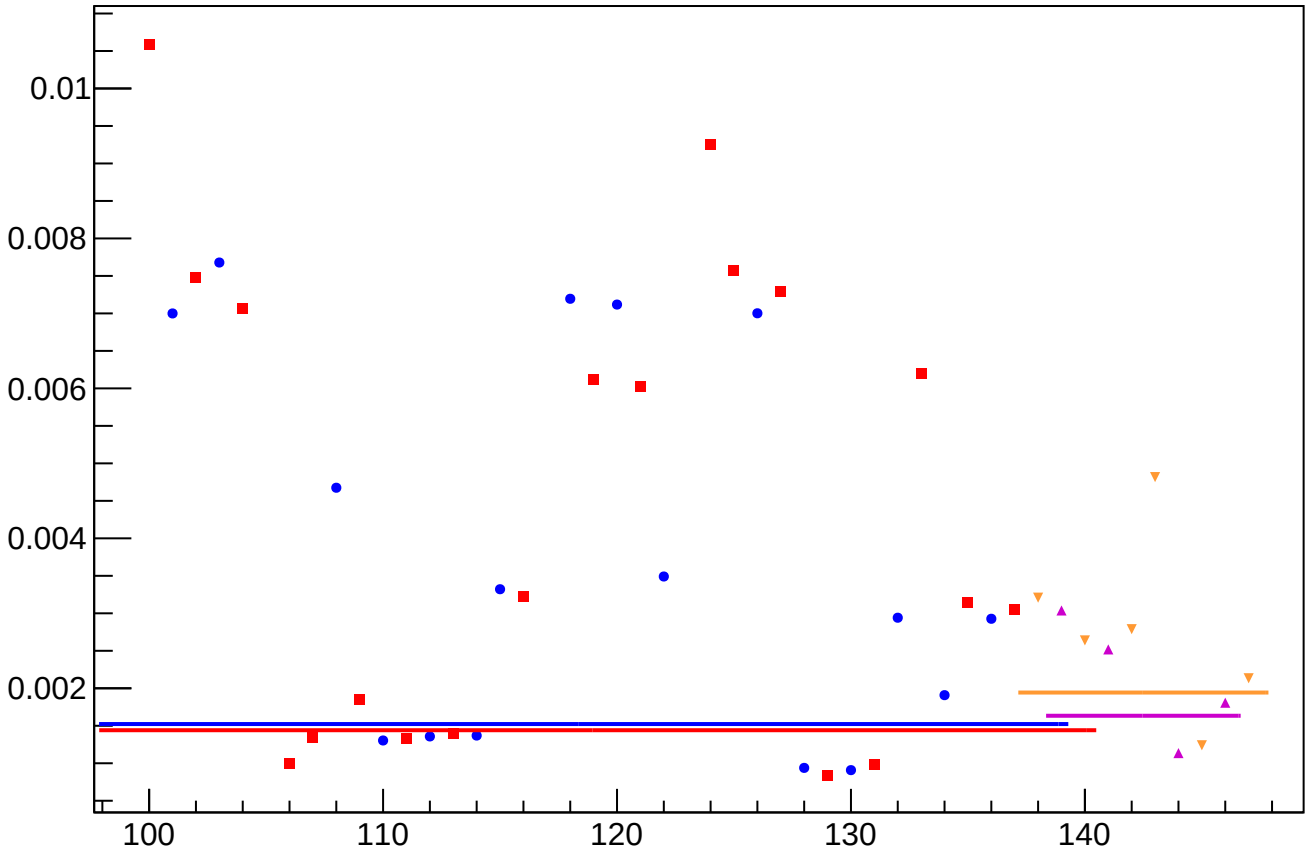
Left: 0.000+/-0.000 χ^2/NDF: 11.2/9

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:14.4/19

Out: -0.000+/-0.000 χ^2/NDF:22.6/24

All: -0.000+/-0.000 χ^2/NDF: 37.7/44



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1531103.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:867580.9/3

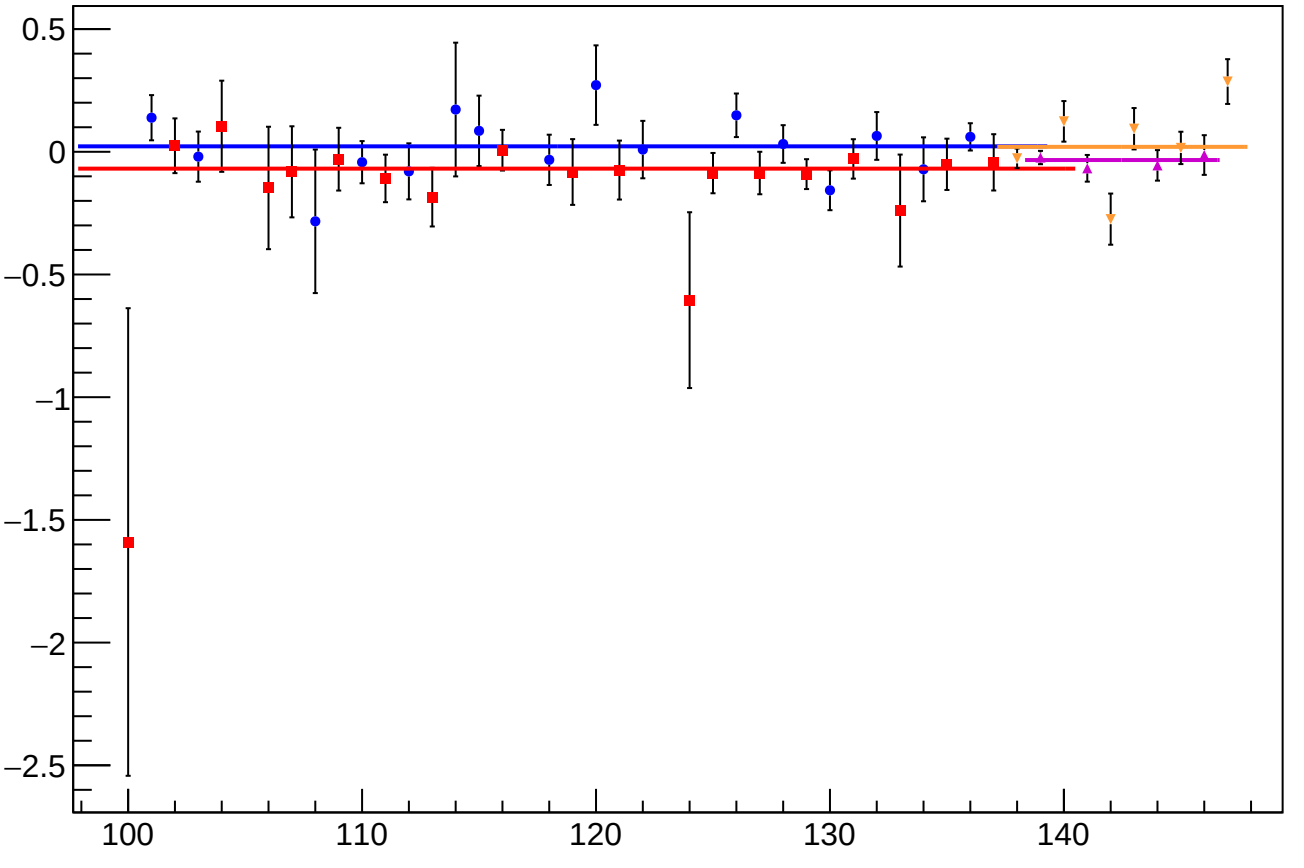
Left: 0.002+/-0.000 χ^2/NDF: 2497181.7/9

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:6067085.4/19

Out: 0.002+/-0.000 χ^2/NDF:7655006.8/24

All: 0.002+/-0.000 χ^2/NDF: 13726671.0/44



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.034+/-0.022 χ^2/NDF:0.7/3

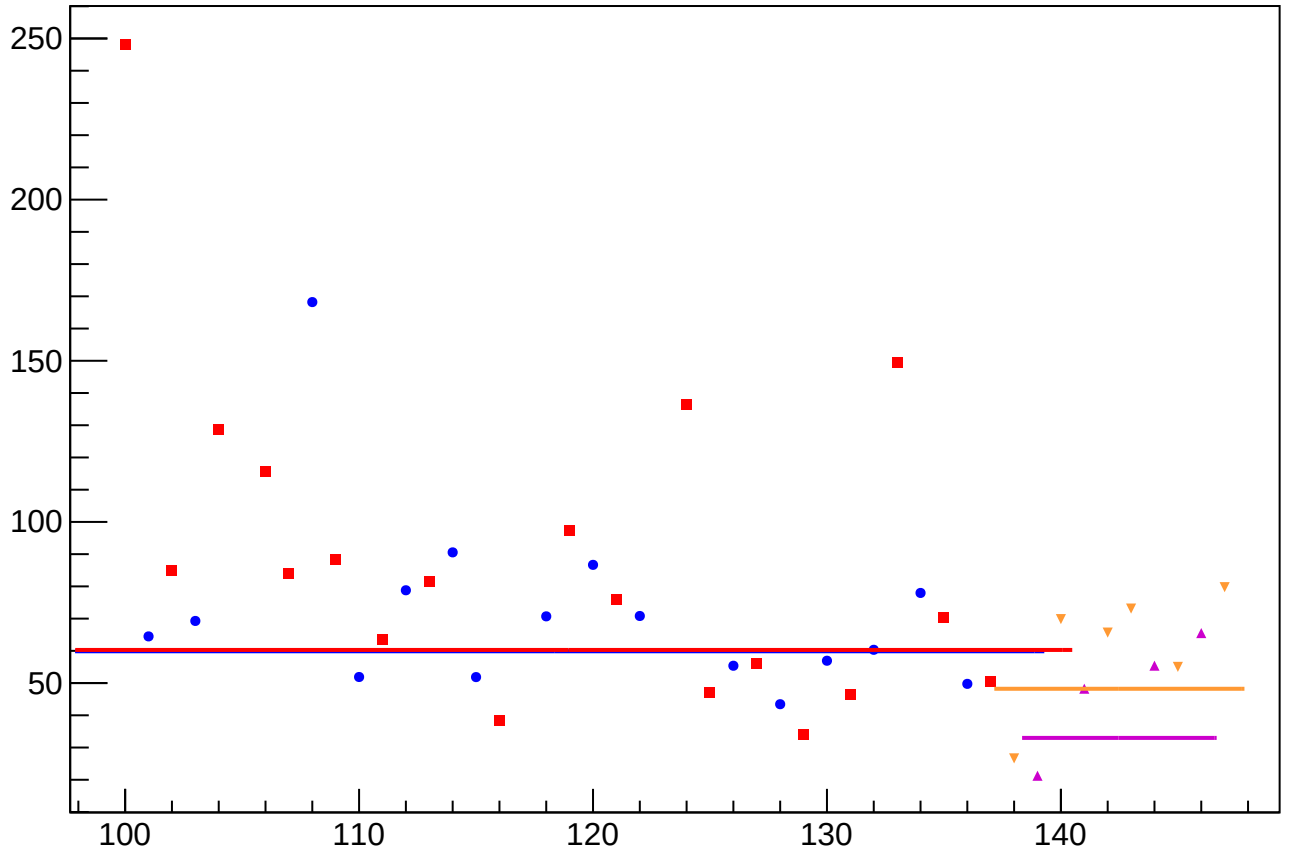
Left: -0.013+/-0.017 χ^2/NDF: 23.3/9

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.016 χ^2/NDF:19.1/19

Out: -0.027+/-0.018 χ^2/NDF:35.6/24

All: -0.017+/-0.012 χ^2/NDF: 55.2/44



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 48.232+/-0.019 χ^2/NDF:1214833.8/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 32.988+/-0.015 χ^2/NDF:1114857.7/3

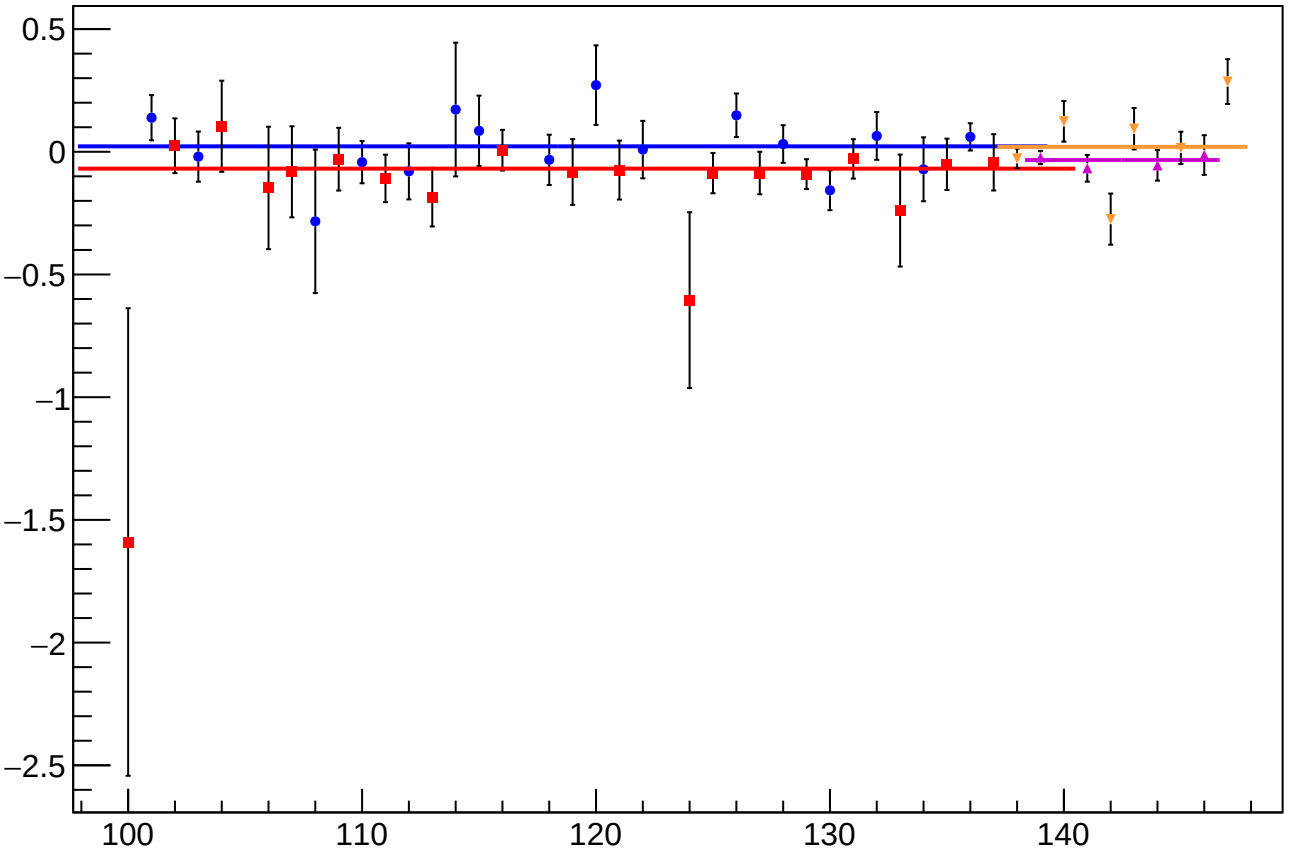
Left: 38.968+/-0.012 χ^2/NDF: 2713698.7/9

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 44.765+/-0.012 χ^2/NDF:3147461.2/19

Out: 54.678+/-0.013 χ^2/NDF:3403303.9/24

All: 49.109+/-0.009 χ^2/NDF: 6873639.0/44



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.020+/-0.027 χ^2/NDF:20.2/5

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.034+/-0.022 χ^2/NDF:0.7/3

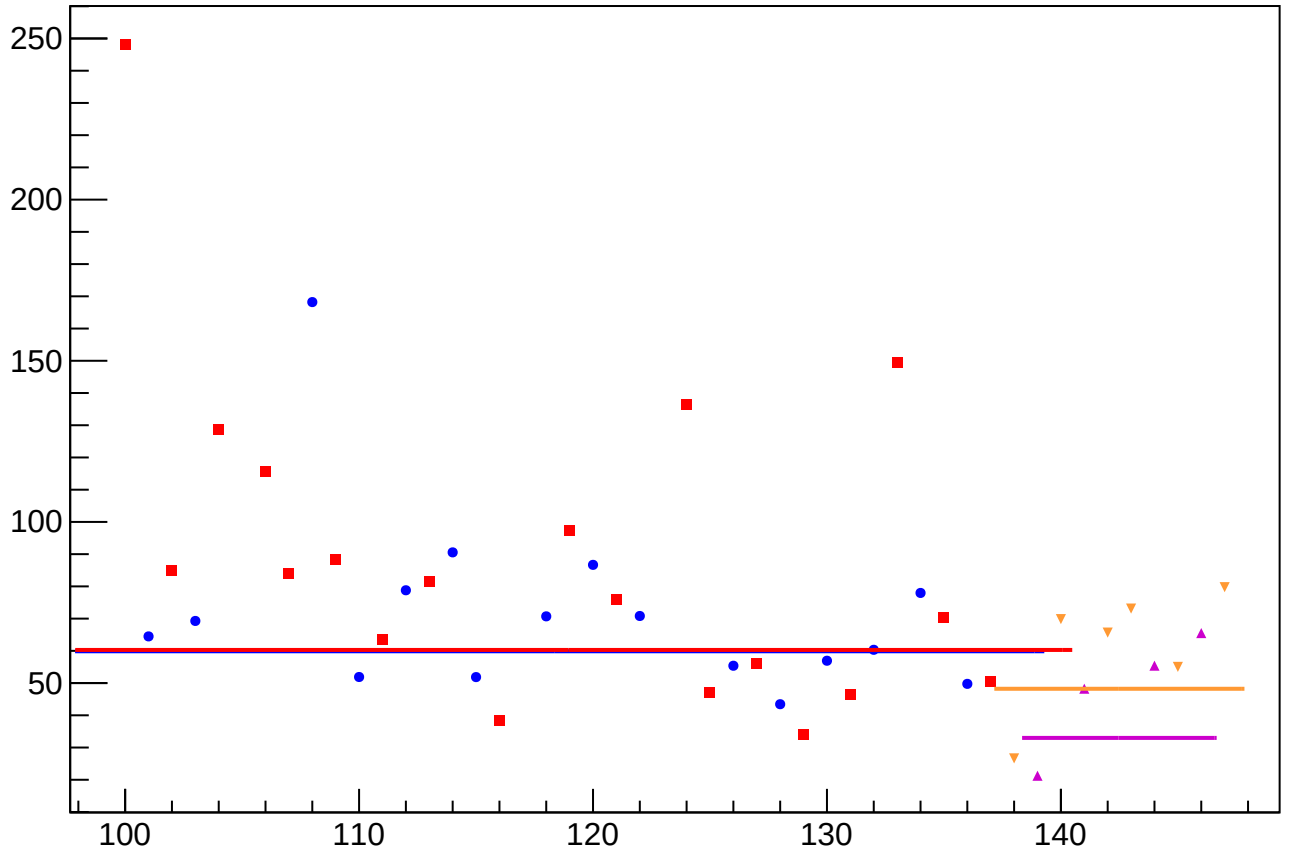
Left: -0.013+/-0.017 χ^2/NDF: 23.3/9

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.016 χ^2/NDF:19.1/19

Out: -0.027+/-0.018 χ^2/NDF:35.6/24

All: -0.017+/-0.012 χ^2/NDF: 55.2/44



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 48.232+/-0.019 χ^2/NDF:1214833.8/5

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 32.988+/-0.015 χ^2/NDF:1114857.7/3

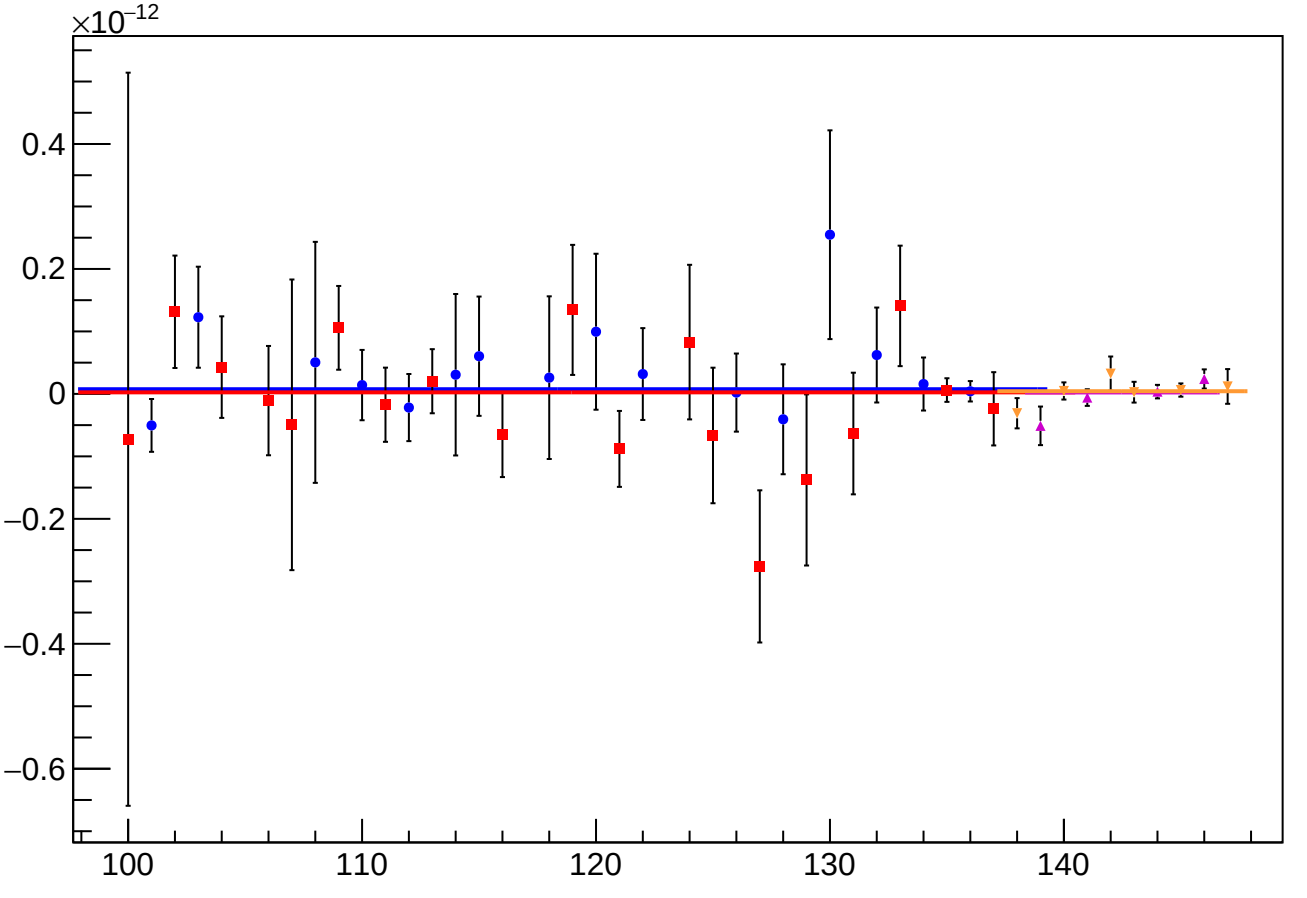
Left: 38.968+/-0.012 χ^2/NDF: 2713698.7/9

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 44.765+/-0.012 χ^2/NDF:3147461.2/19

Out: 54.678+/-0.013 χ^2/NDF:3403303.9/24

All: 49.109+/-0.009 χ^2/NDF: 6873639.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/3

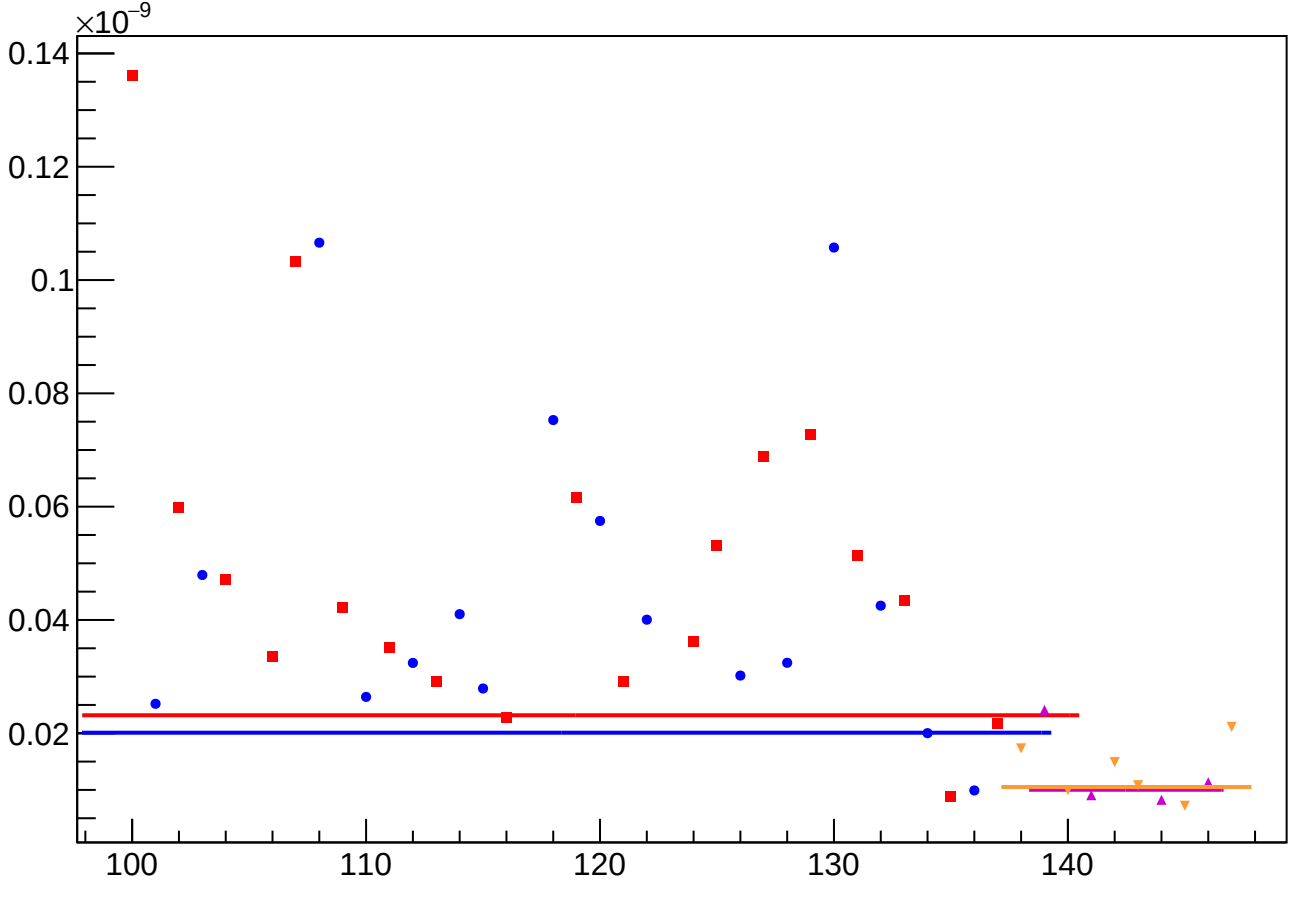
Left: 0.000+/-0.000 χ^2/NDF: 8.7/9

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:13.9/19

Out: 0.000+/-0.000 χ^2/NDF:23.0/24

All: 0.000+/-0.000 χ^2/NDF: 36.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:699931.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:495311.2/3

Left: 0.000+/-0.000 χ^2/NDF: 1200209.0/9

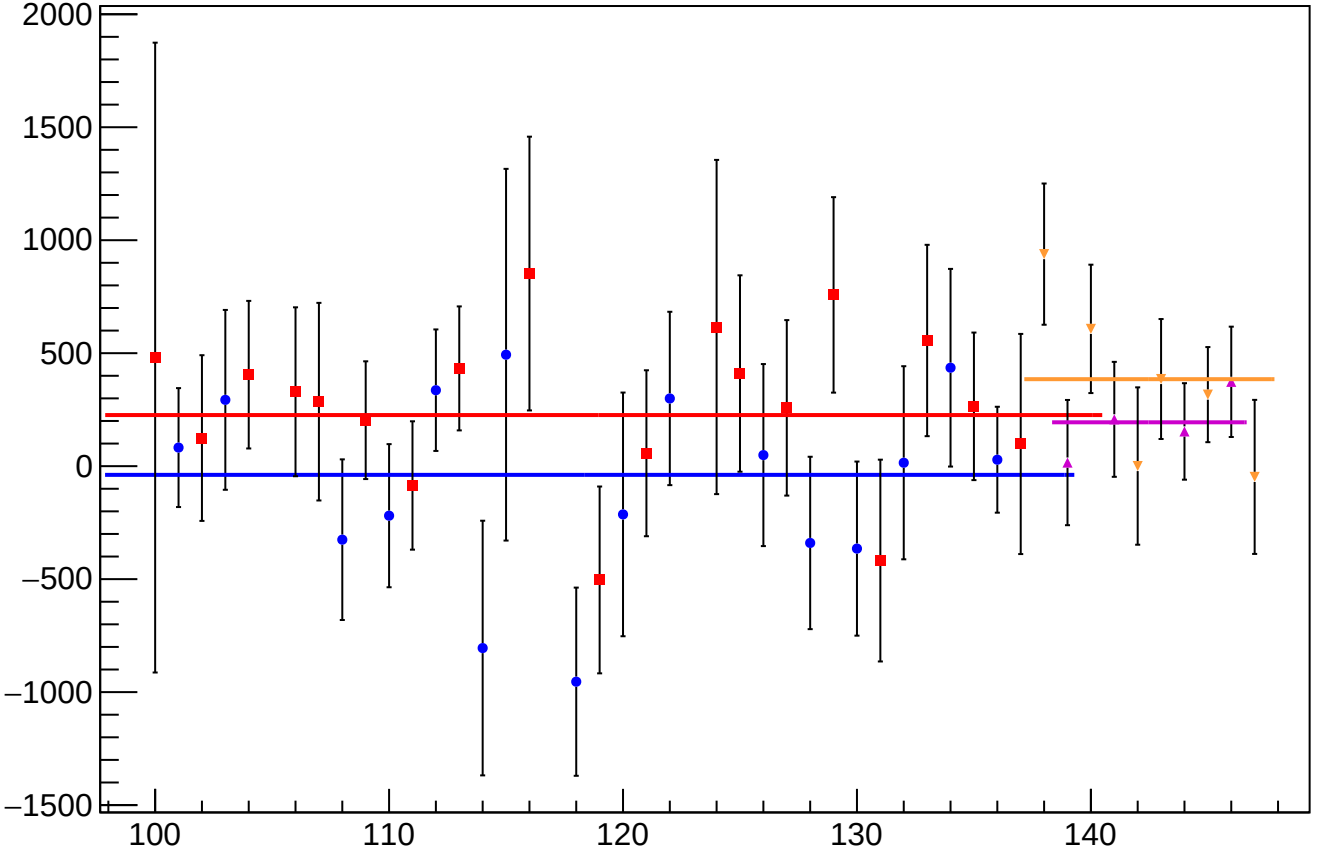
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4637295.0/19

Out: 0.000+/-0.000 χ^2/NDF:5636894.3/24

All: 0.000+/-0.000 χ^2/NDF: 10278414.9/44

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 384.962+/-114.525 χ^2/NDF:6.7/5

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 194.100+/-121.998 χ^2/NDF:1.0/3

Left: 295.555+/-83.498 χ^2/NDF: 9.0/9

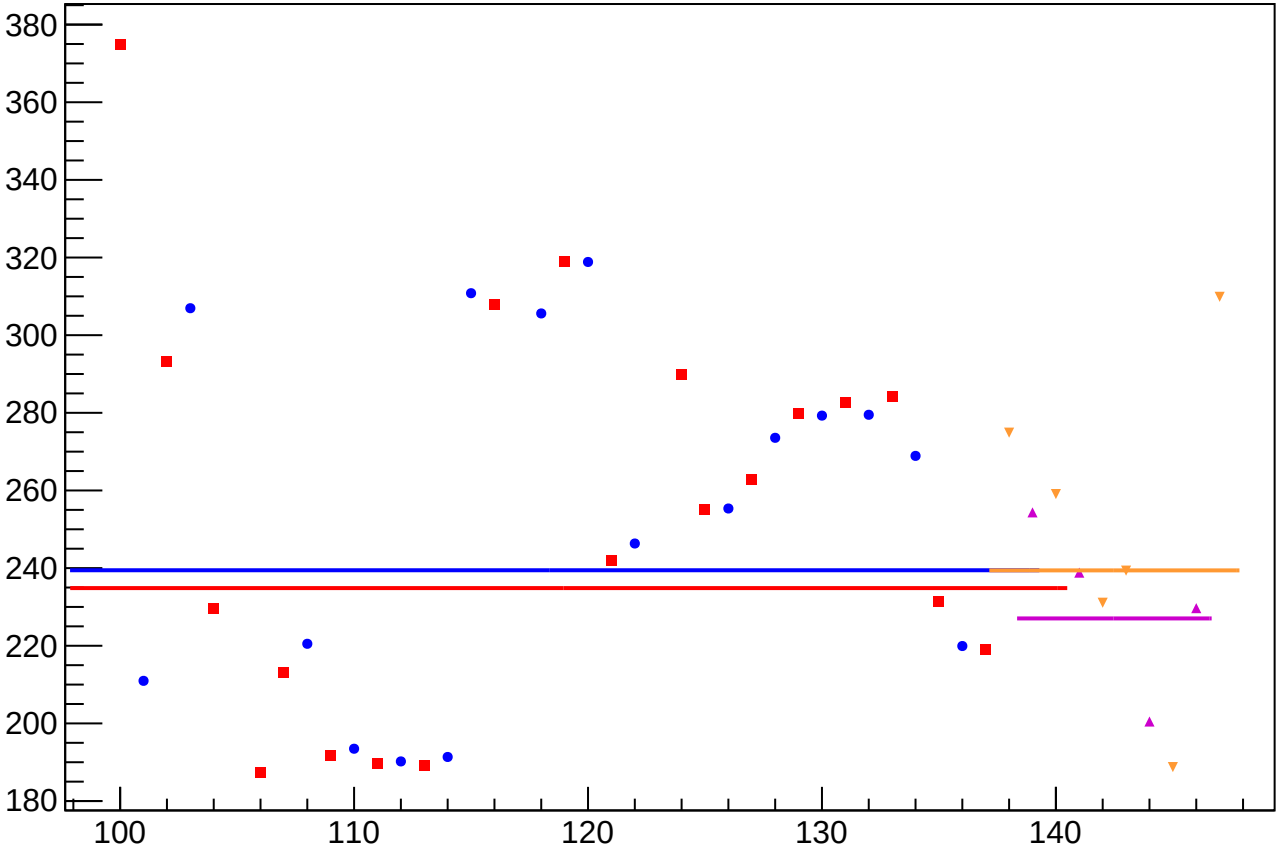
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 44.205+/-72.746 χ^2/NDF:17.8/19

Out: 285.041+/-69.733 χ^2/NDF:19.3/24

All: 169.713+/-50.340 χ^2/NDF: 42.8/44

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 239.414+/-0.081 χ^2/NDF:237850.0/5

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

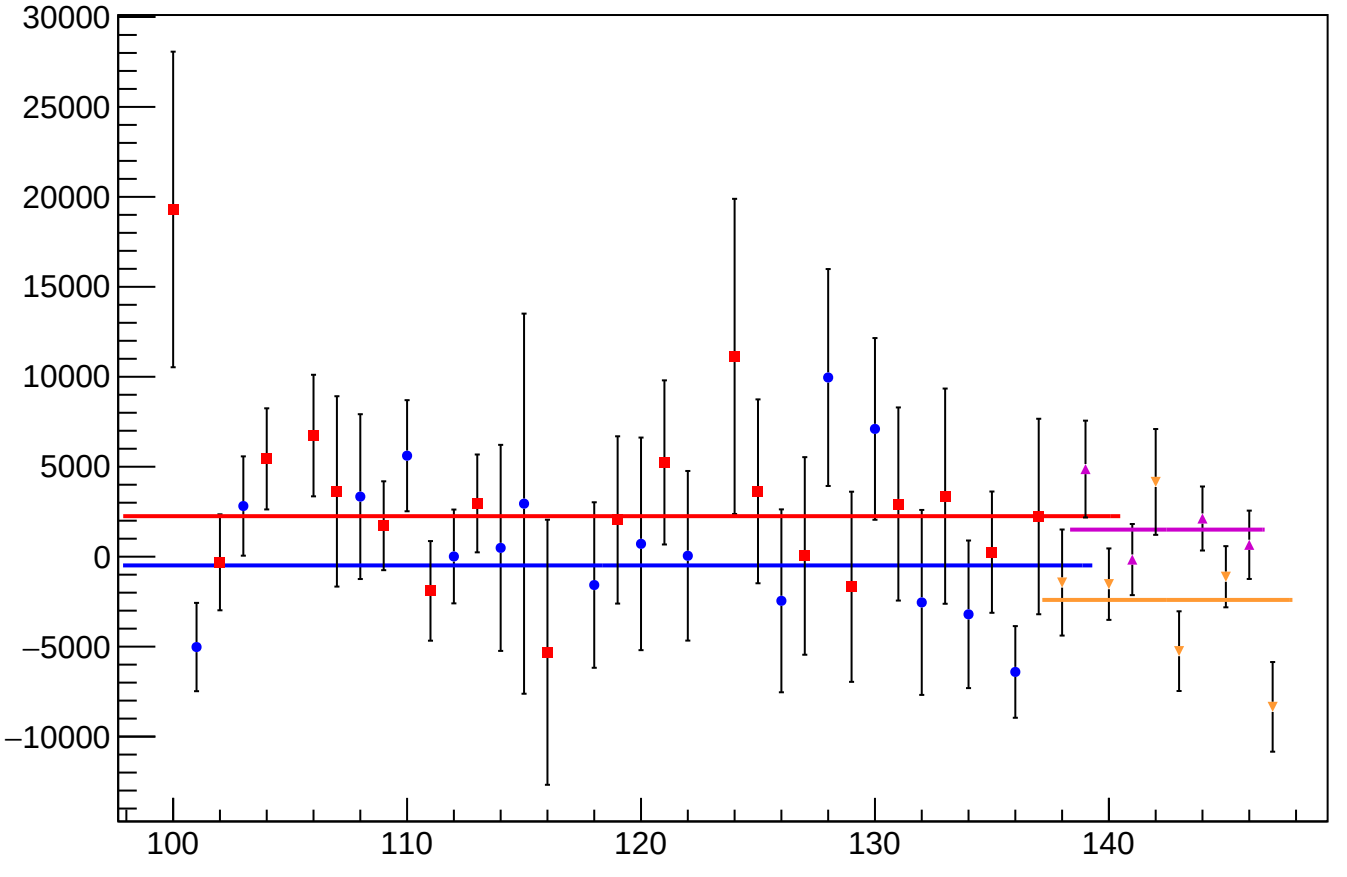
Left: 233.617+/-0.059 χ^2/NDF: 303687.1/9

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 235.037+/-0.051 χ^2/NDF:469190.4/19

Out: 236.545+/-0.049 χ^2/NDF:721560.1/24

All: 235.823+/-0.036 χ^2/NDF: 1191198.6/44



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2403.105+/-914.638 χ^2/NDF:13.2/5

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1504.323+/-1006.574 χ^2/NDF:2.6/3

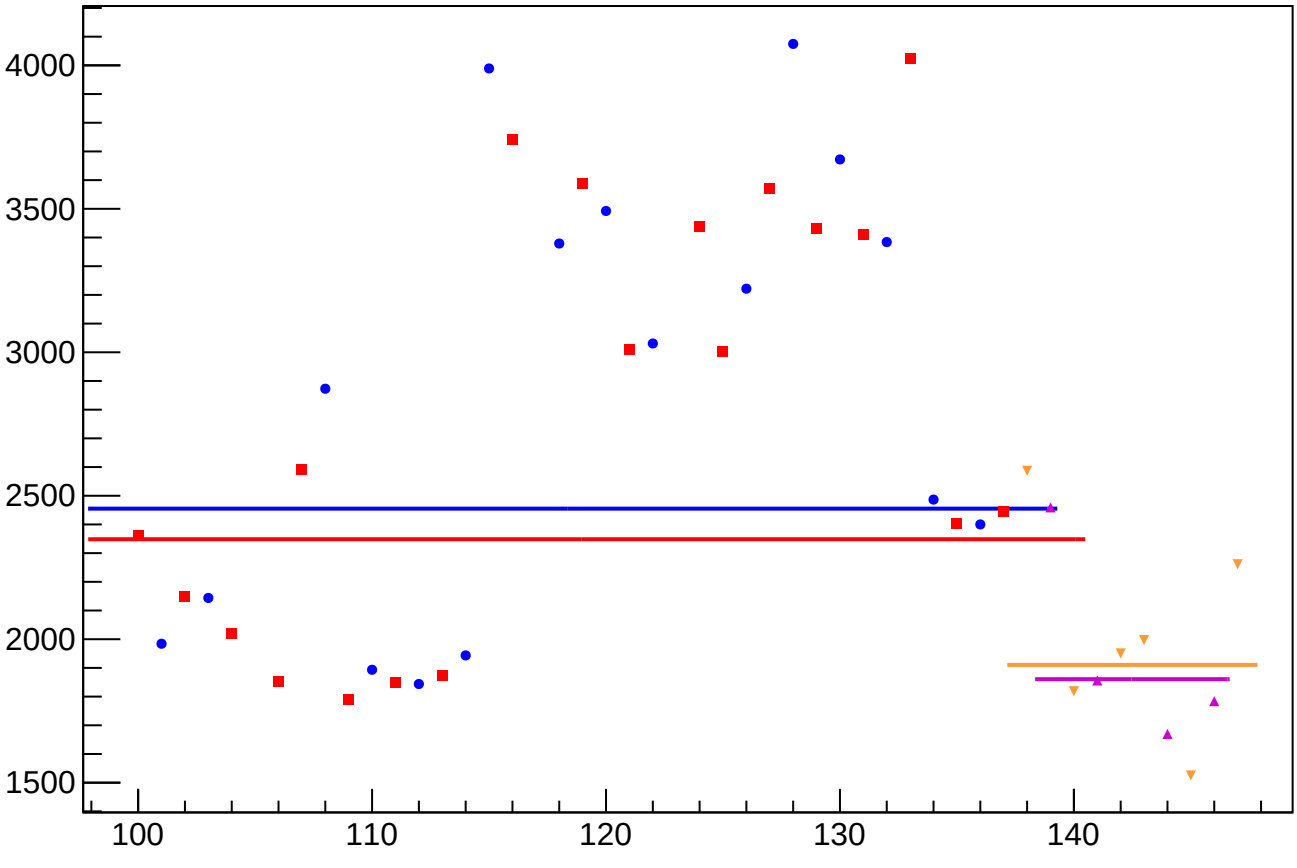
Left: -635.945+/-676.921 χ^2/NDF: 24.0/9

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 449.040+/-689.907 χ^2/NDF:25.8/19

Out: -22.937+/-639.388 χ^2/NDF:40.3/24

All: 195.140+/-468.959 χ^2/NDF: 66.4/44



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1910.411+/-0.647 χ^2/NDF:255444.9/5

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1860.779+/-0.712 χ^2/NDF:125296.1/3

Left: 1887.964+/-0.479 χ^2/NDF: 383404.5/9

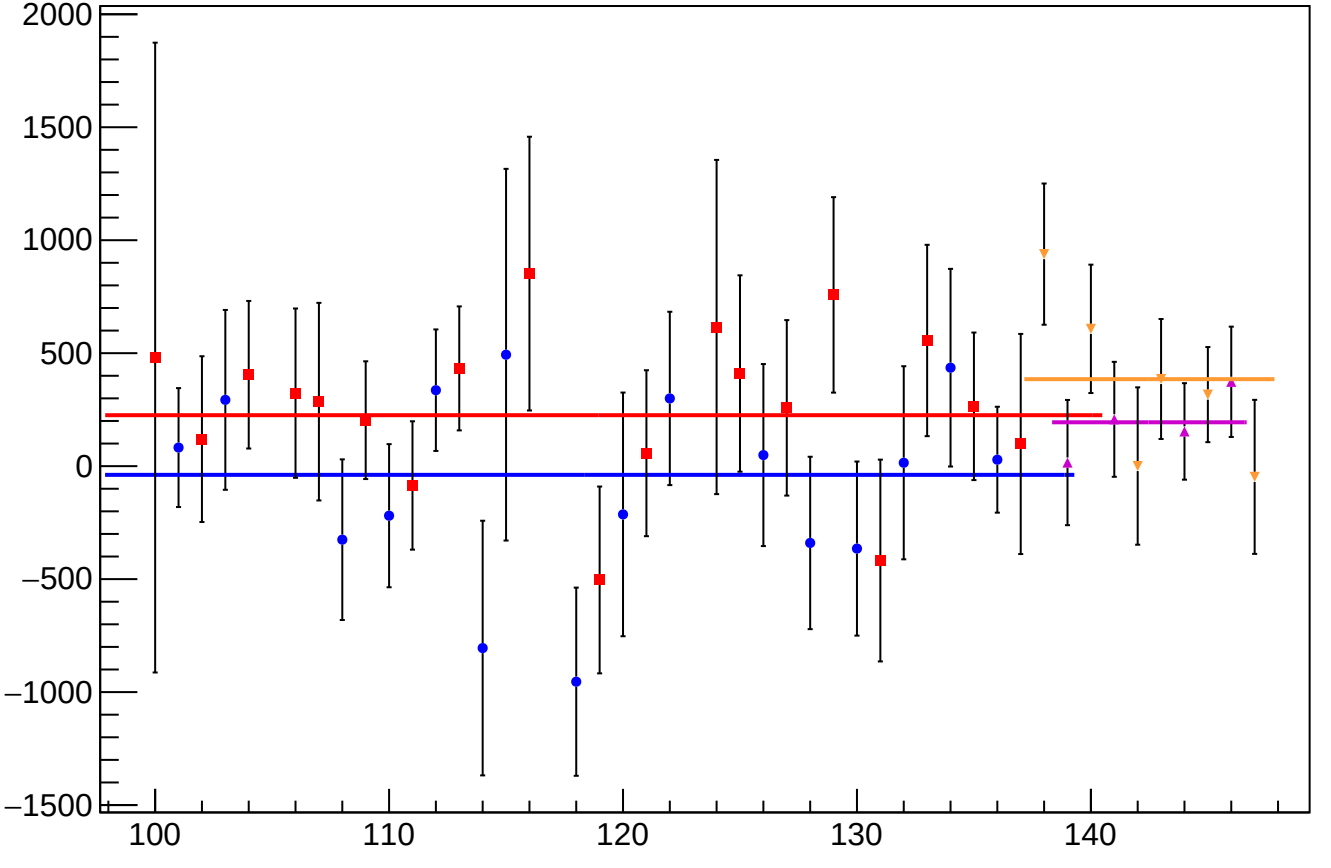
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2175.904+/-0.488 χ^2/NDF:1389382.9/19

Out: 2134.384+/-0.452 χ^2/NDF:1542417.2/24

All: 2153.569+/-0.332 χ^2/NDF: 2935696.8/44

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 385.002+/-114.525 χ^2/NDF:6.7/5

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 194.124+/-121.998 χ^2/NDF:1.0/3

Left: 295.588+/-83.498 χ^2/NDF: 9.0/9

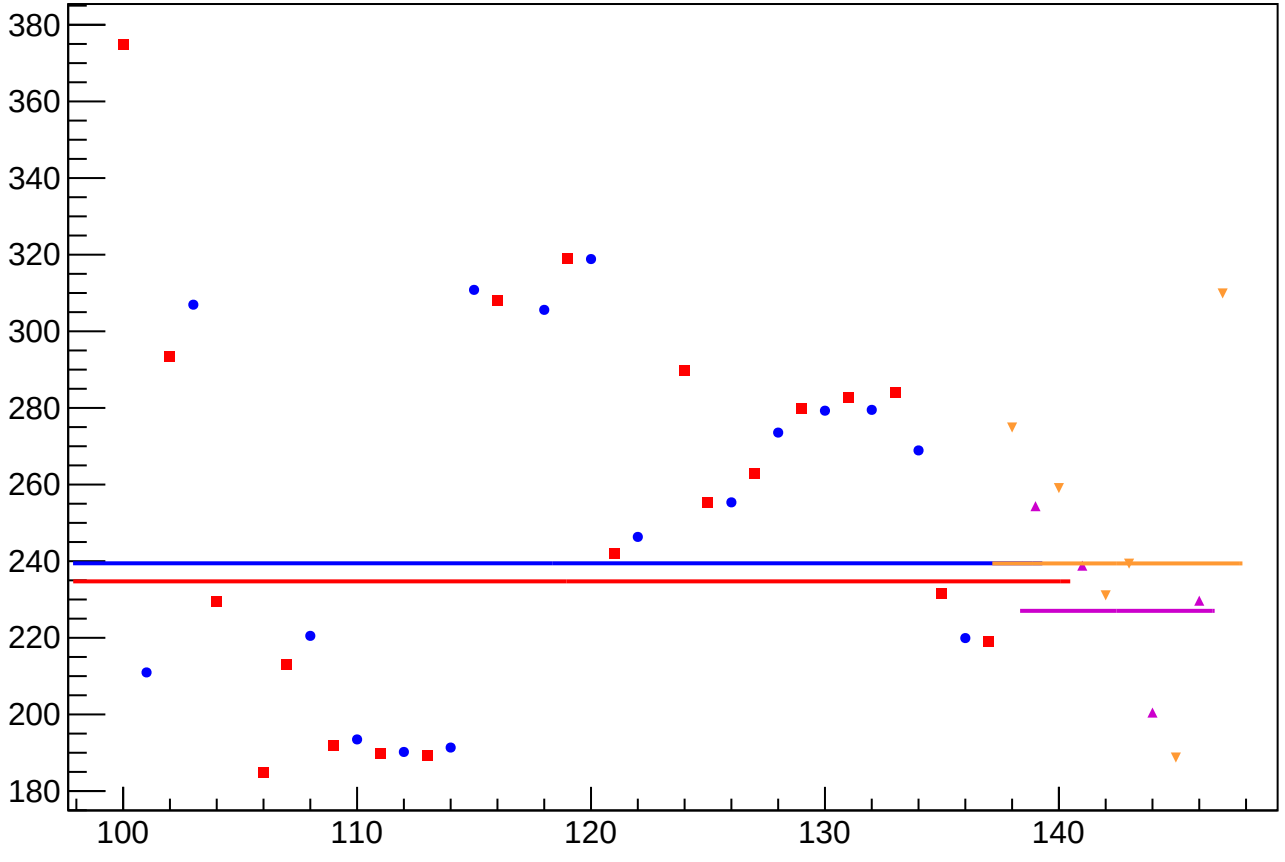
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 44.200+/-72.746 χ^2/NDF:17.8/19

Out: 284.656+/-69.740 χ^2/NDF:19.3/24

All: 169.498+/-50.343 χ^2/NDF: 42.8/44

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 239.414+/-0.081 χ^2/NDF:237850.0/5

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

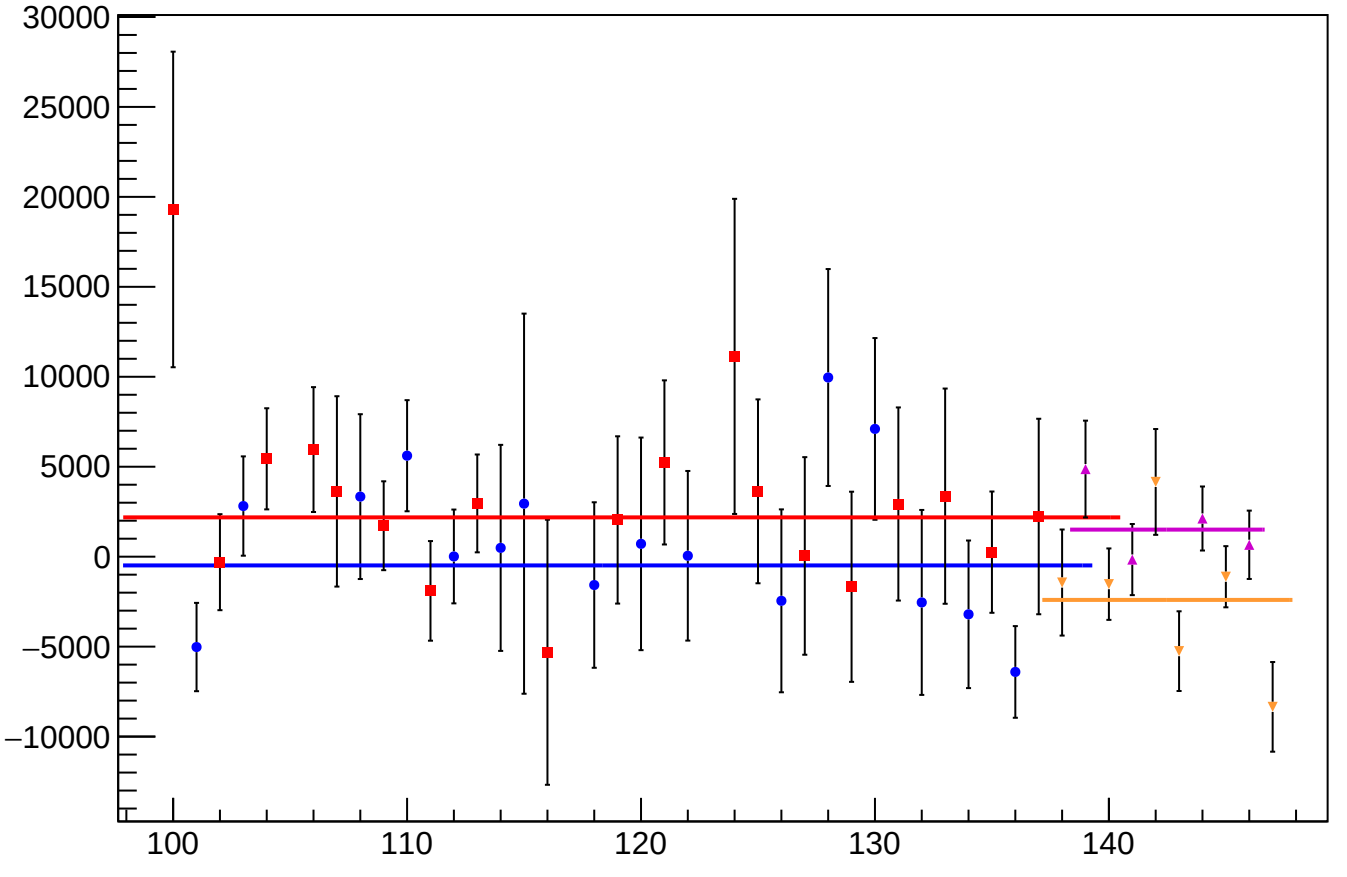
Left: 233.617+/-0.059 χ^2/NDF: 303687.1/9

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 235.037+/-0.051 χ^2/NDF:469192.9/19

Out: 236.469+/-0.049 χ^2/NDF:725190.9/24

All: 235.783+/-0.036 χ^2/NDF: 1194787.6/44



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2403.058+/-914.638 χ^2/NDF:13.2/5

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1504.348+/-1006.575 χ^2/NDF:2.6/3

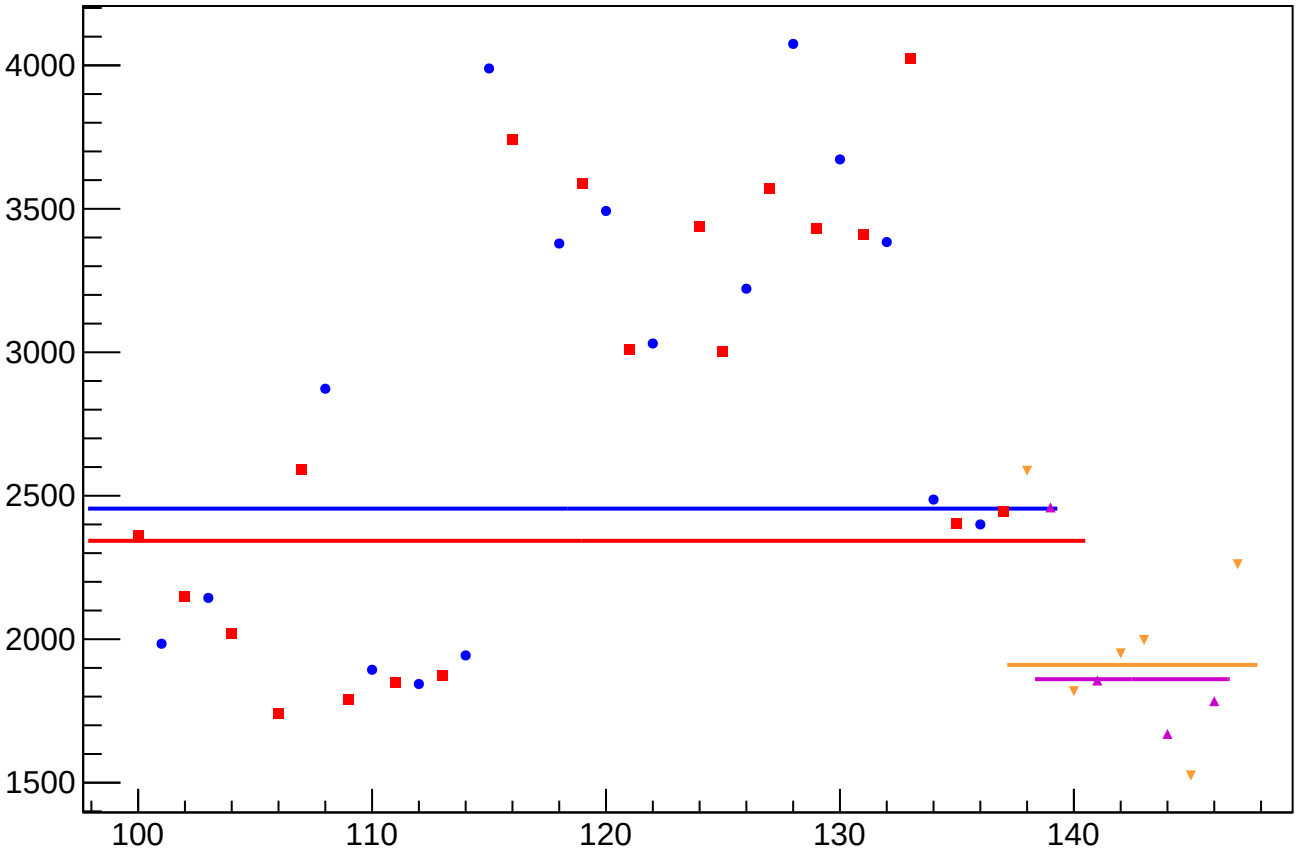
Left: -635.911+/-676.921 χ^2/NDF: 24.0/9

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 448.969+/-689.910 χ^2/NDF:25.8/19

Out: -61.540+/-640.005 χ^2/NDF:39.3/24

All: 174.585+/-469.204 χ^2/NDF: 65.4/44



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1910.409+/-0.647 χ^2/NDF:255446.5/5

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1860.780+/-0.712 χ^2/NDF:125294.9/3

Left: 1887.964+/-0.479 χ^2/NDF: 383404.6/9

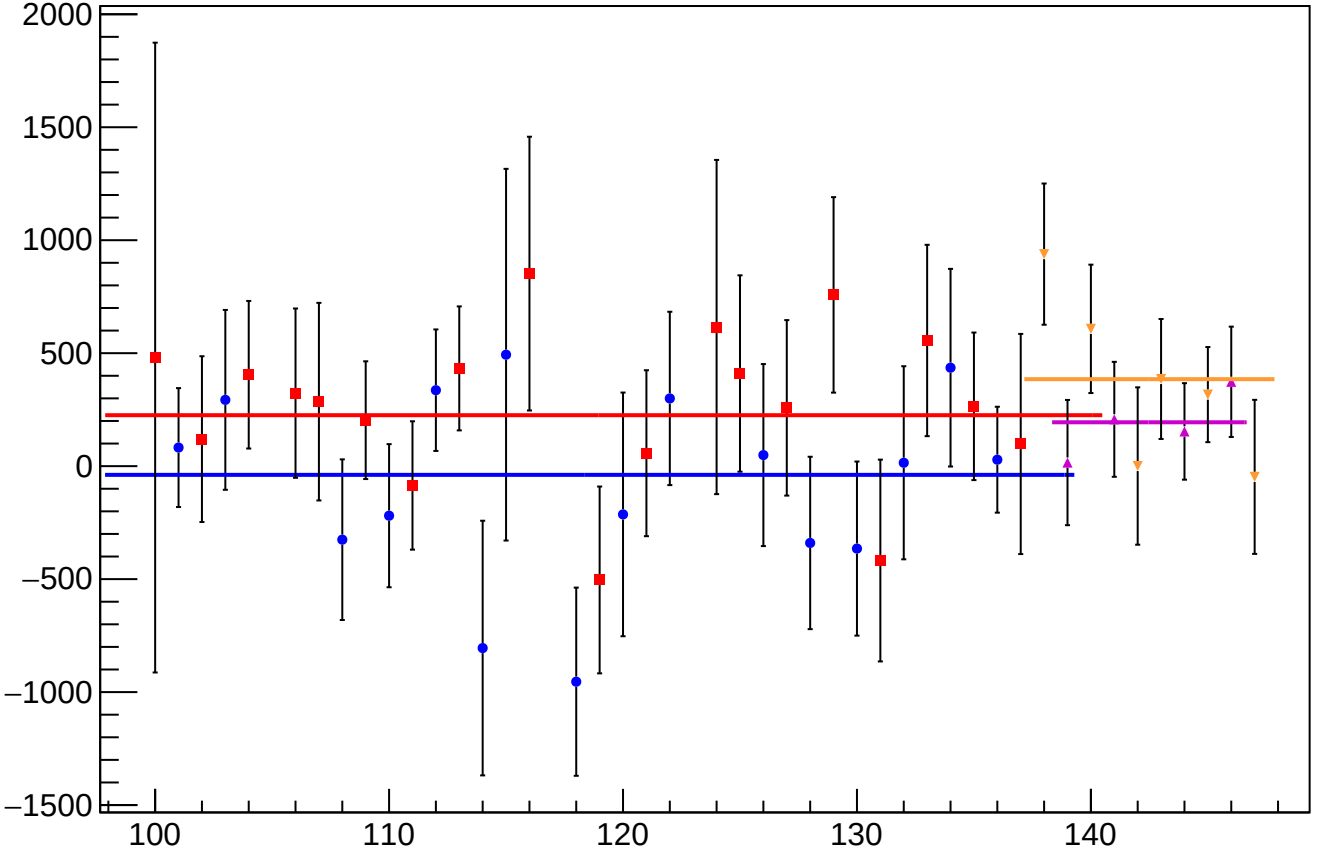
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2175.915+/-0.488 χ^2/NDF:1389375.7/19

Out: 2131.167+/-0.453 χ^2/NDF:1554120.9/24

All: 2151.865+/-0.332 χ^2/NDF: 2948018.8/44

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 385.002+/-114.525 χ^2/NDF:6.7/5

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 194.124+/-121.998 χ^2/NDF:1.0/3

Left: 295.588+/-83.498 χ^2/NDF: 9.0/9

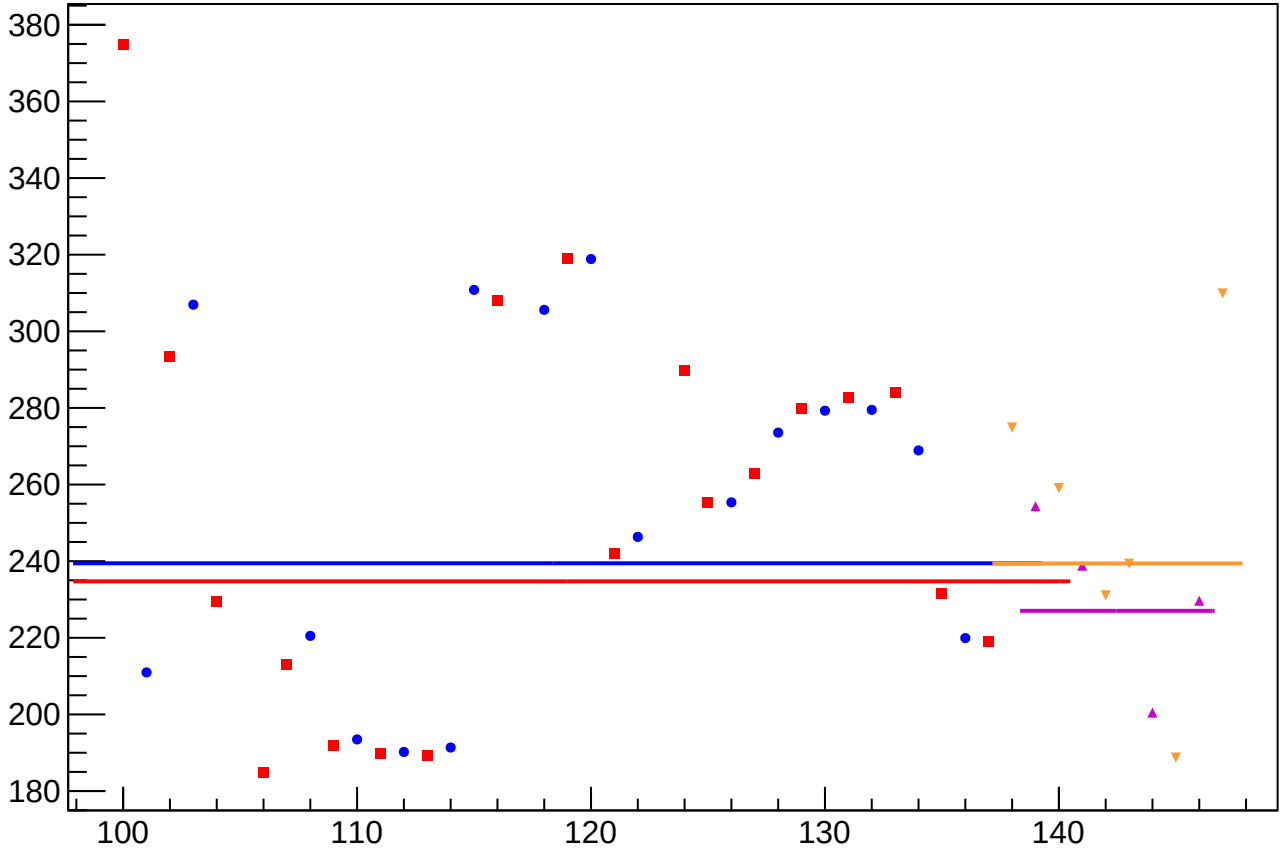
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 44.200+/-72.746 χ^2/NDF:17.8/19

Out: 284.656+/-69.740 χ^2/NDF:19.3/24

All: 169.498+/-50.343 χ^2/NDF: 42.8/44

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 239.414+/-0.081 χ^2/NDF:237850.0/5

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 227.040+/-0.086 χ^2/NDF:54899.1/3

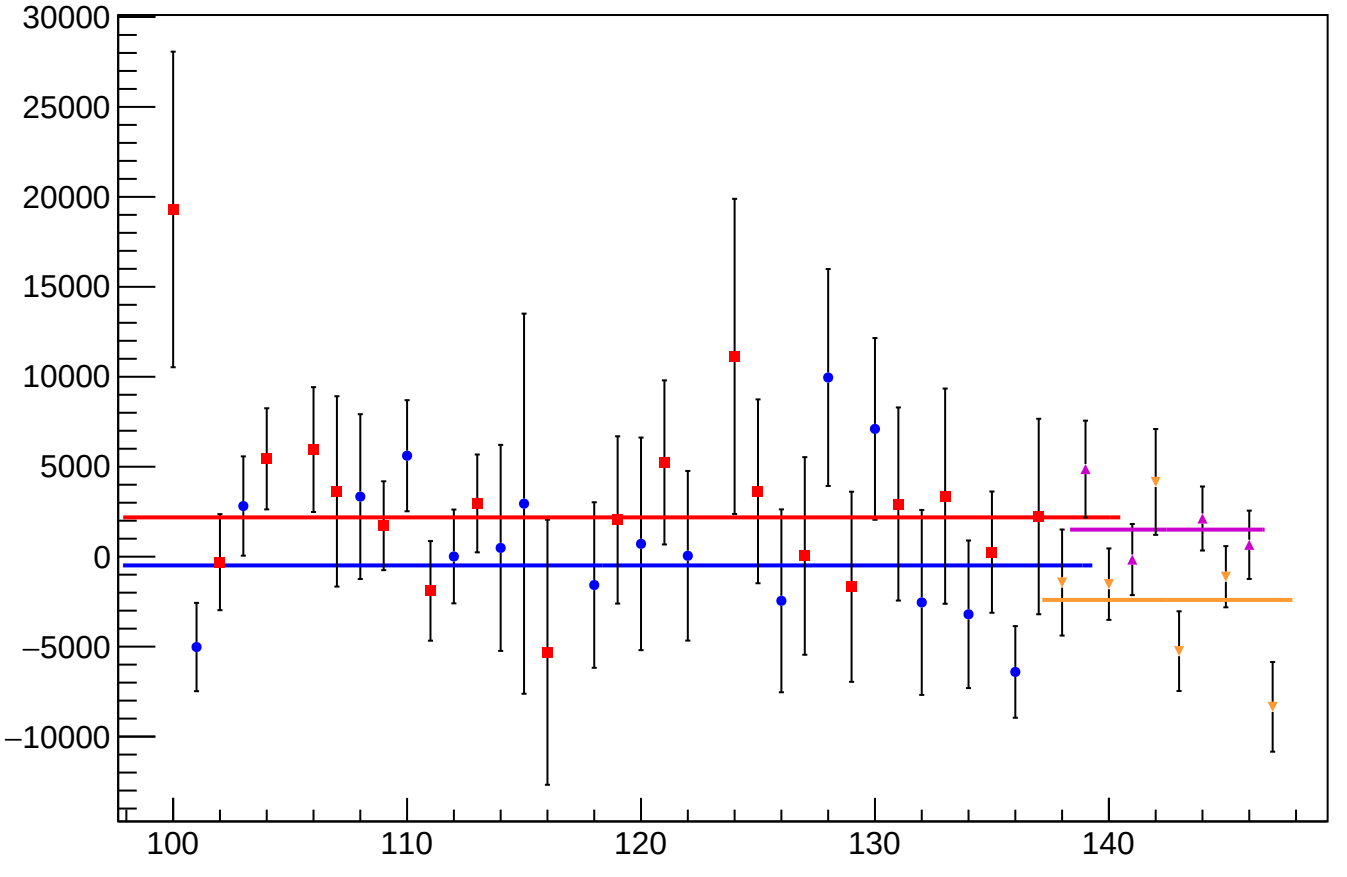
Left: 233.617+/-0.059 χ^2/NDF: 303687.1/9

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 235.037+/-0.051 χ^2/NDF:469192.9/19

Out: 236.469+/-0.049 χ^2/NDF:725190.9/24

All: 235.783+/-0.036 χ^2/NDF: 1194787.6/44



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2403.058+/-914.638 χ^2/NDF:13.2/5

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1504.348+/-1006.575 χ^2/NDF:2.6/3

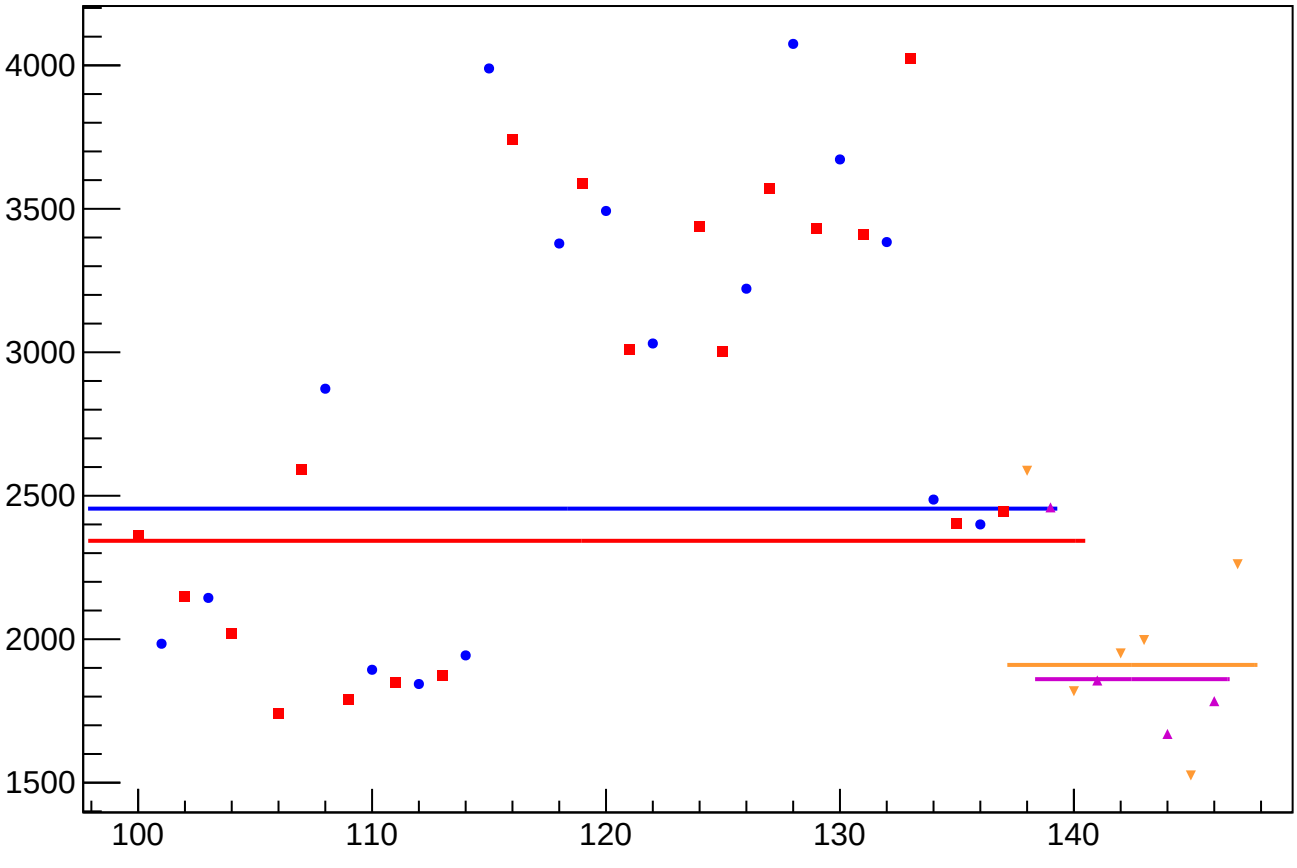
Left: -635.911+/-676.921 χ^2/NDF: 24.0/9

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 448.969+/-689.910 χ^2/NDF:25.8/19

Out: -61.540+/-640.005 χ^2/NDF:39.3/24

All: 174.585+/-469.204 χ^2/NDF: 65.4/44



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1910.409+/-0.647 χ^2/NDF:255446.5/5

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1860.780+/-0.712 χ^2/NDF:125294.9/3

Left: 1887.964+/-0.479 χ^2/NDF: 383404.6/9

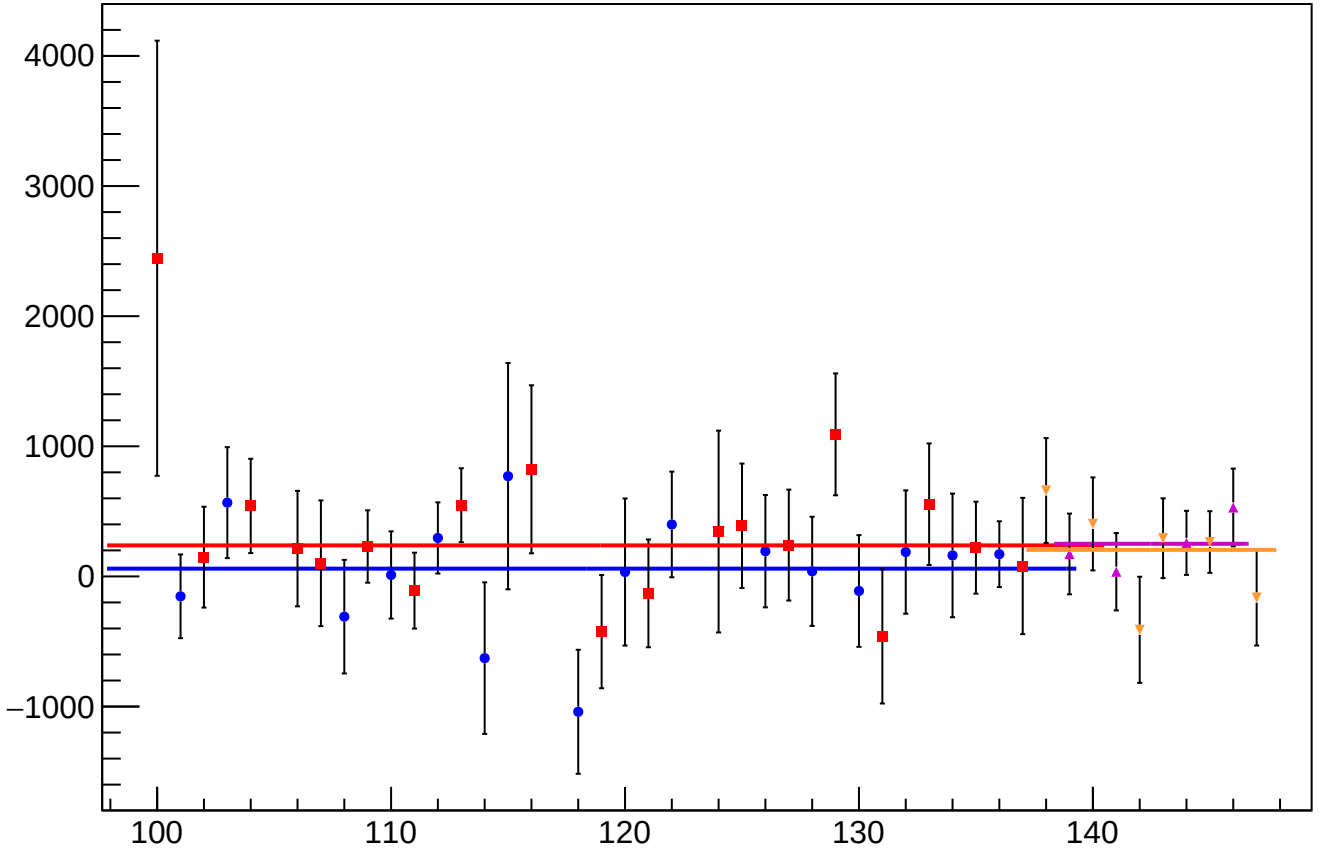
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2175.915+/-0.488 χ^2/NDF:1389375.7/19

Out: 2131.167+/-0.453 χ^2/NDF:1554120.9/24

All: 2151.865+/-0.332 χ^2/NDF: 2948018.8/44

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 203.978+/-133.829 χ^2/NDF:5.0/5

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 250.823+/-142.241 χ^2/NDF:1.5/3

Left: 225.974+/-97.470 χ^2/NDF: 6.5/9

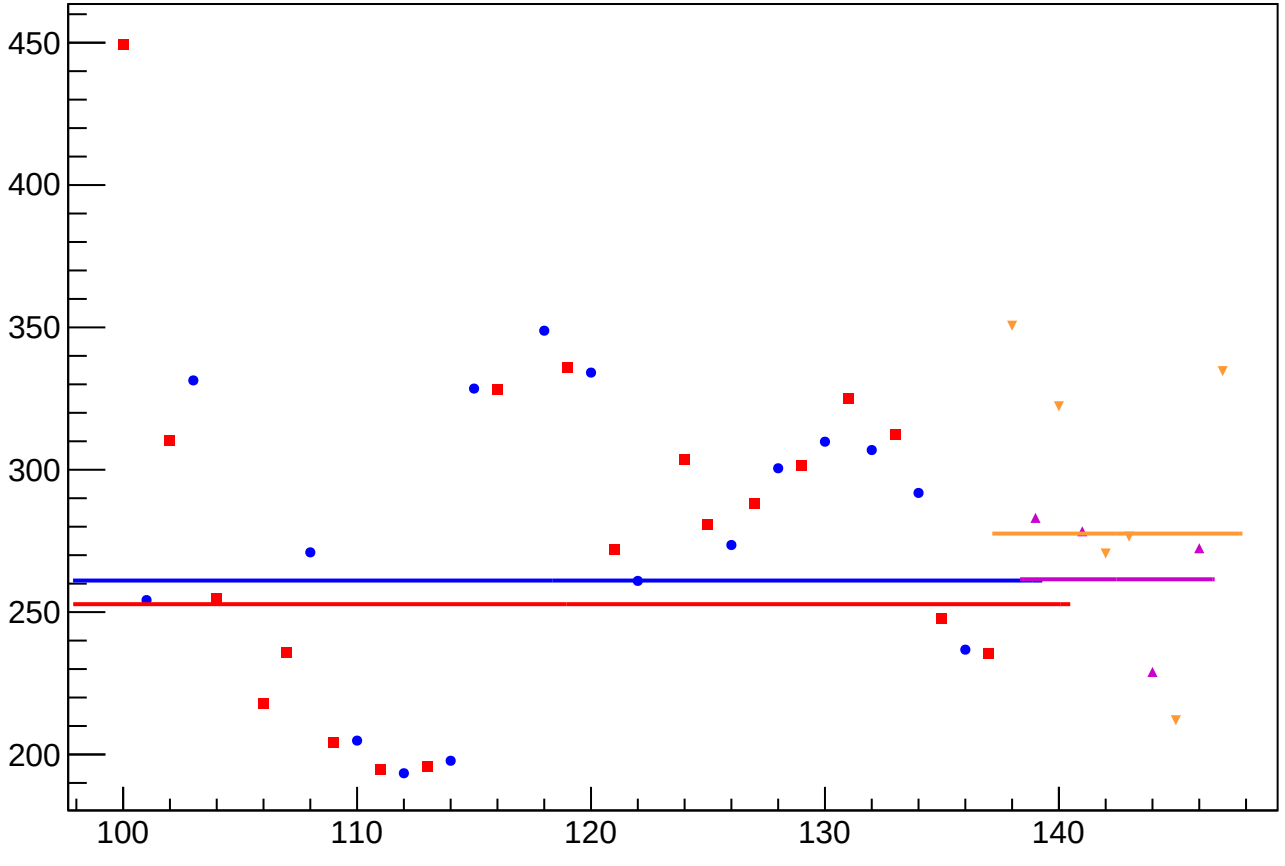
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 122.284+/-81.383 χ^2/NDF:14.7/19

Out: 226.933+/-77.500 χ^2/NDF:20.0/24

All: 177.165+/-56.123 χ^2/NDF: 35.5/44

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 277.577+/-0.095 χ^2/NDF:298838.0/5

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 261.532+/-0.101 χ^2/NDF:53743.9/3

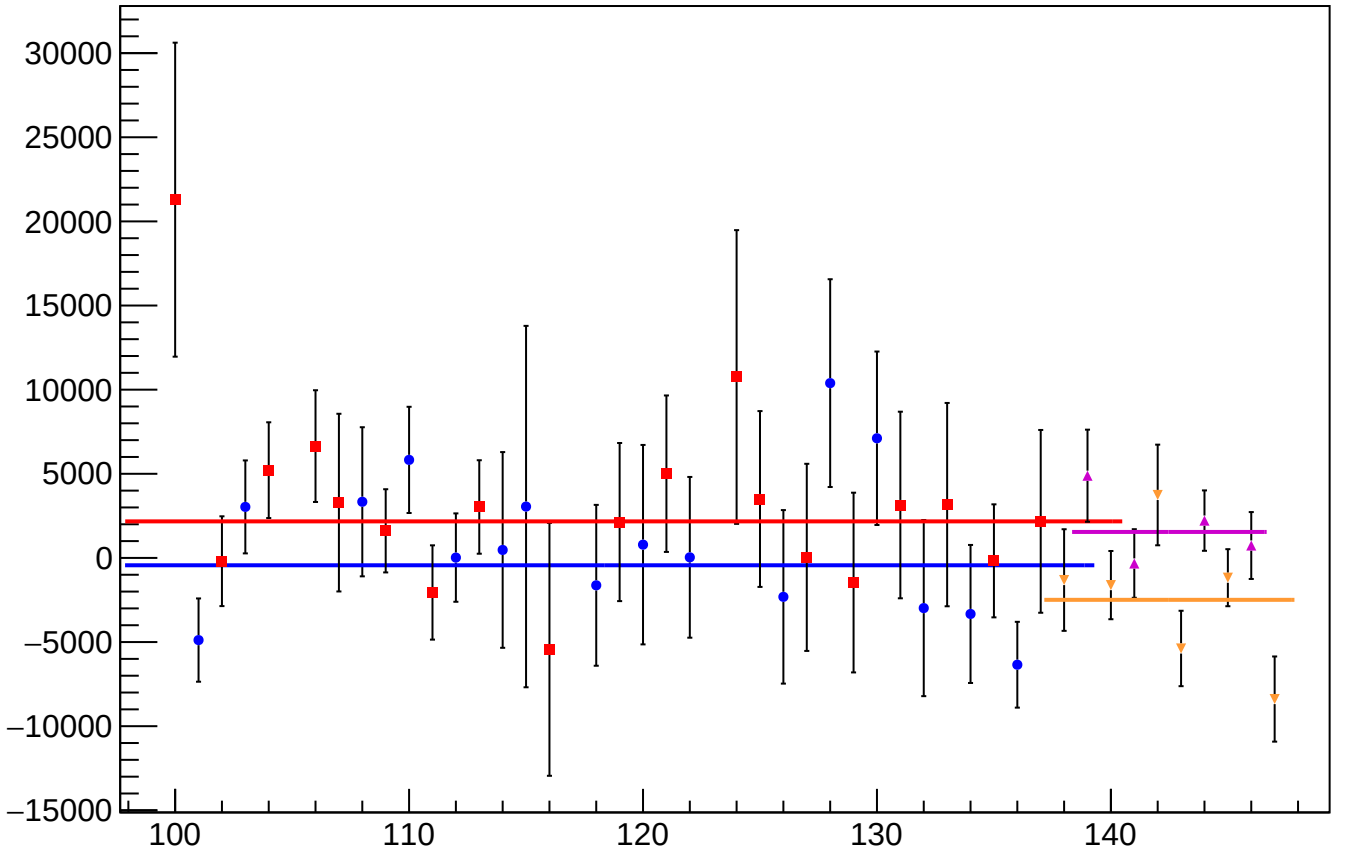
Left: 270.043+/-0.069 χ^2/NDF: 366081.2/9

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 261.234+/-0.058 χ^2/NDF:516419.2/19

Out: 261.101+/-0.055 χ^2/NDF:881740.3/24

All: 261.164+/-0.040 χ^2/NDF: 1398162.4/44



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2490.553+/-925.219 χ^2/NDF:12.4/5

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1543.982+/-1032.683 χ^2/NDF:2.6/3

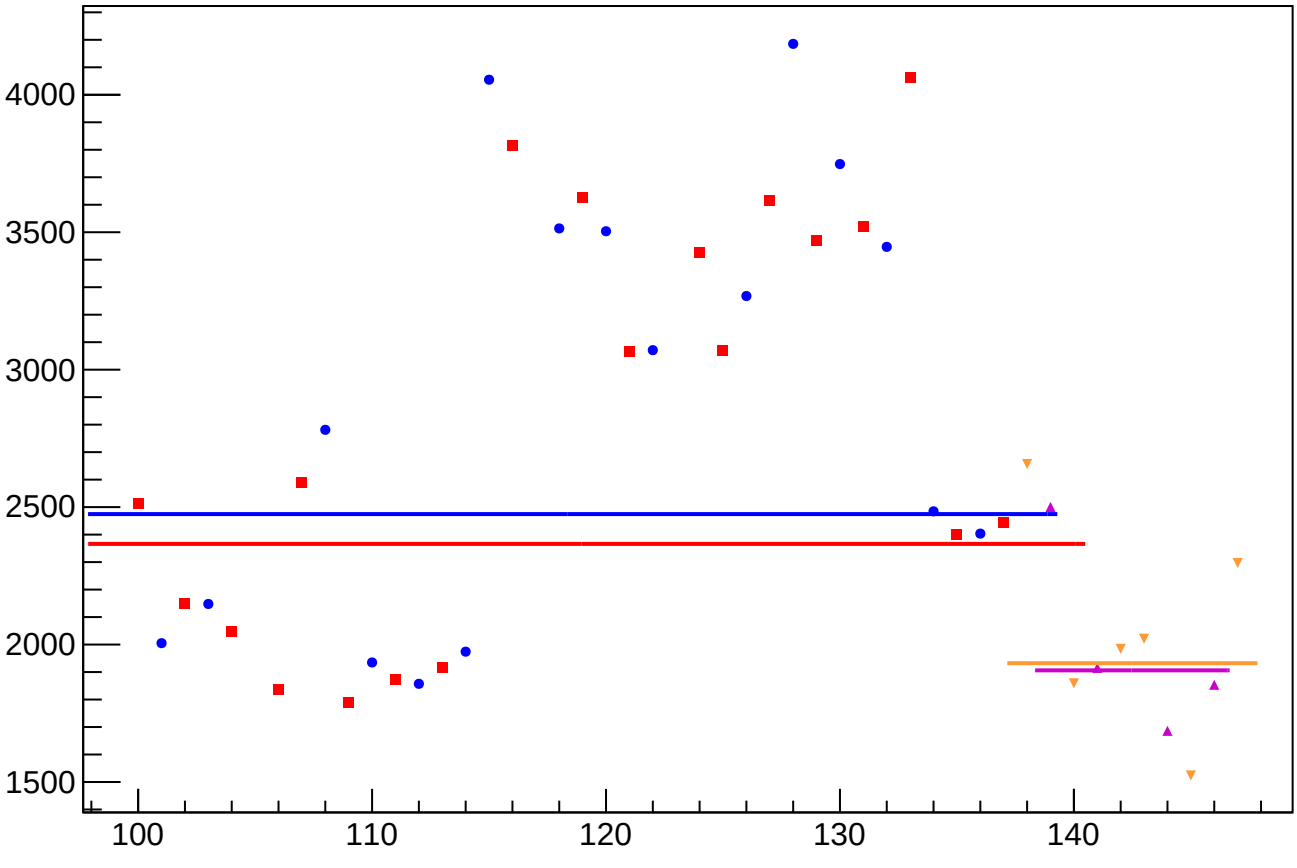
Left: -694.065+/-689.100 χ^2/NDF: 23.5/9

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 476.470+/-701.196 χ^2/NDF:25.8/19

Out: -97.671+/-645.533 χ^2/NDF:39.4/24

All: 165.710+/-474.922 χ^2/NDF: 65.6/44



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 1932.200+/-0.654 χ^2/NDF:279141.1/5

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 1906.167+/-0.730 χ^2/NDF:125833.4/3

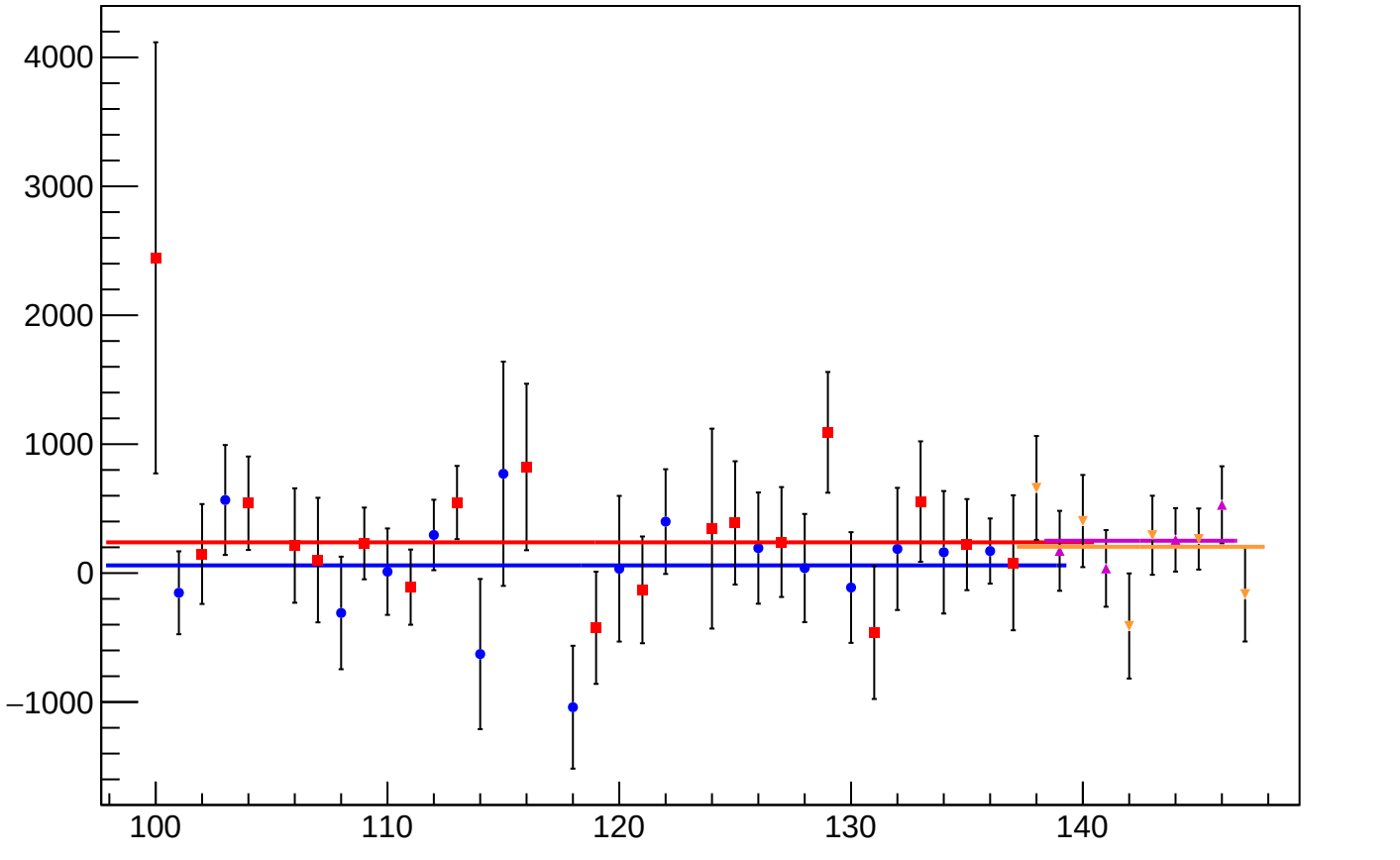
Left: 1920.608+/-0.487 χ^2/NDF: 405679.6/9

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2212.537+/-0.496 χ^2/NDF:1368701.5/19

Out: 2154.941+/-0.456 χ^2/NDF:1582183.3/24

All: 2181.363+/-0.336 χ^2/NDF: 2958188.7/44



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 203.978+/-133.830 χ^2/NDF:5.0/5

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 250.823+/-142.241 χ^2/NDF:1.5/3

Left: 225.975+/-97.470 χ^2/NDF: 6.5/9

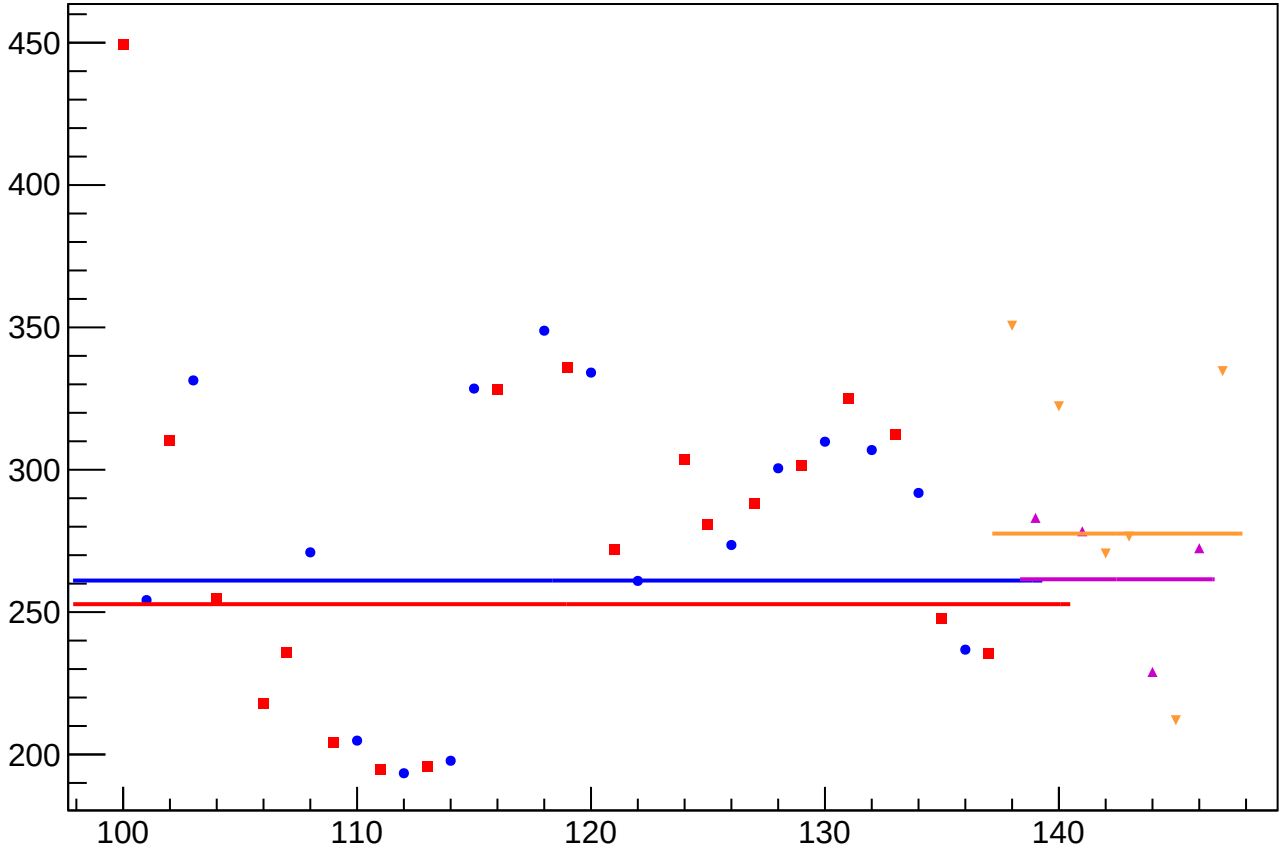
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 122.287+/-81.383 χ^2/NDF:14.7/19

Out: 226.933+/-77.500 χ^2/NDF:20.0/24

All: 177.166+/-56.123 χ^2/NDF: 35.5/44

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 277.578+/-0.095 χ^2/NDF:298833.3/5

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 261.533+/-0.101 χ^2/NDF:53742.7/3

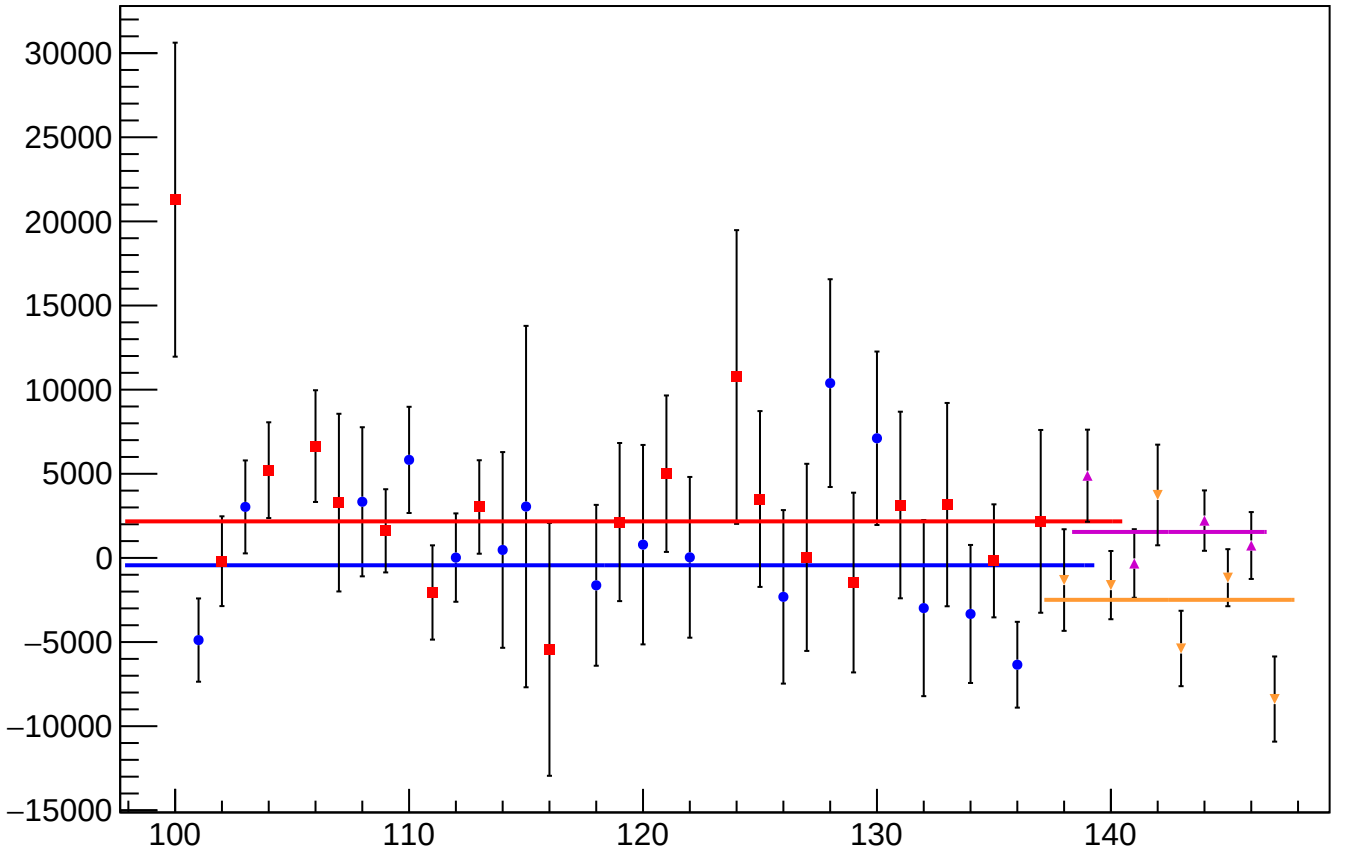
Left: 270.044+/-0.069 χ^2/NDF: 366075.3/9

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 261.234+/-0.058 χ^2/NDF:516421.0/19

Out: 261.101+/-0.055 χ^2/NDF:881740.9/24

All: 261.164+/-0.040 χ^2/NDF: 1398164.7/44



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2490.550+/-925.218 χ^2/NDF:12.4/5

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1543.982+/-1032.682 χ^2/NDF:2.6/3

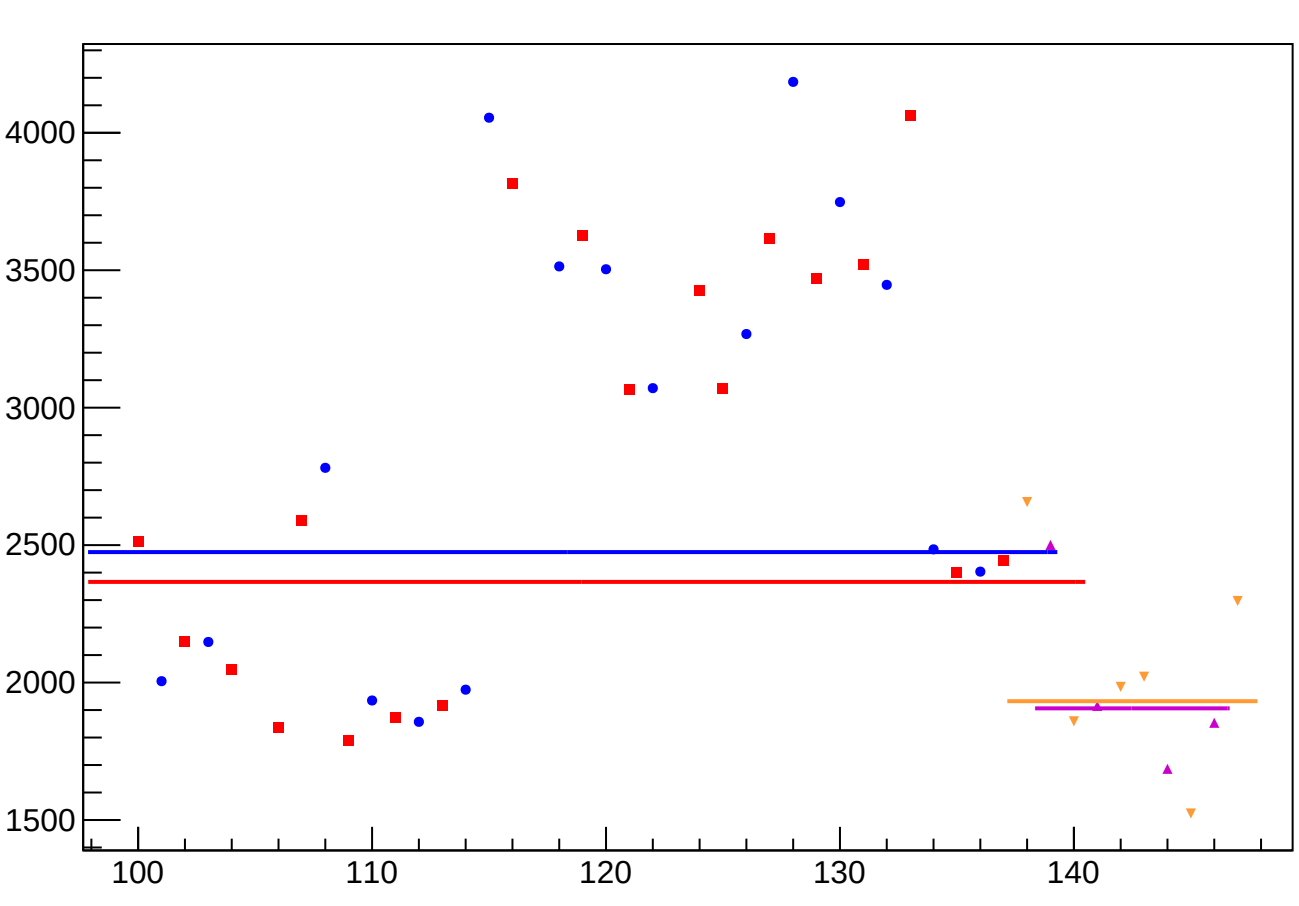
Left: -694.065+/-689.099 χ^2/NDF: 23.5/9

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 476.471+/-701.196 χ^2/NDF:25.8/19

Out: -97.672+/-645.532 χ^2/NDF:39.4/24

All: 165.710+/-474.921 χ^2/NDF: 65.6/44



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 1932.197+/-0.654 χ^2/NDF:279143.9/5

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 1906.166+/-0.730 χ^2/NDF:125833.2/3

Left: 1920.606+/-0.487 χ^2/NDF: 405682.0/9

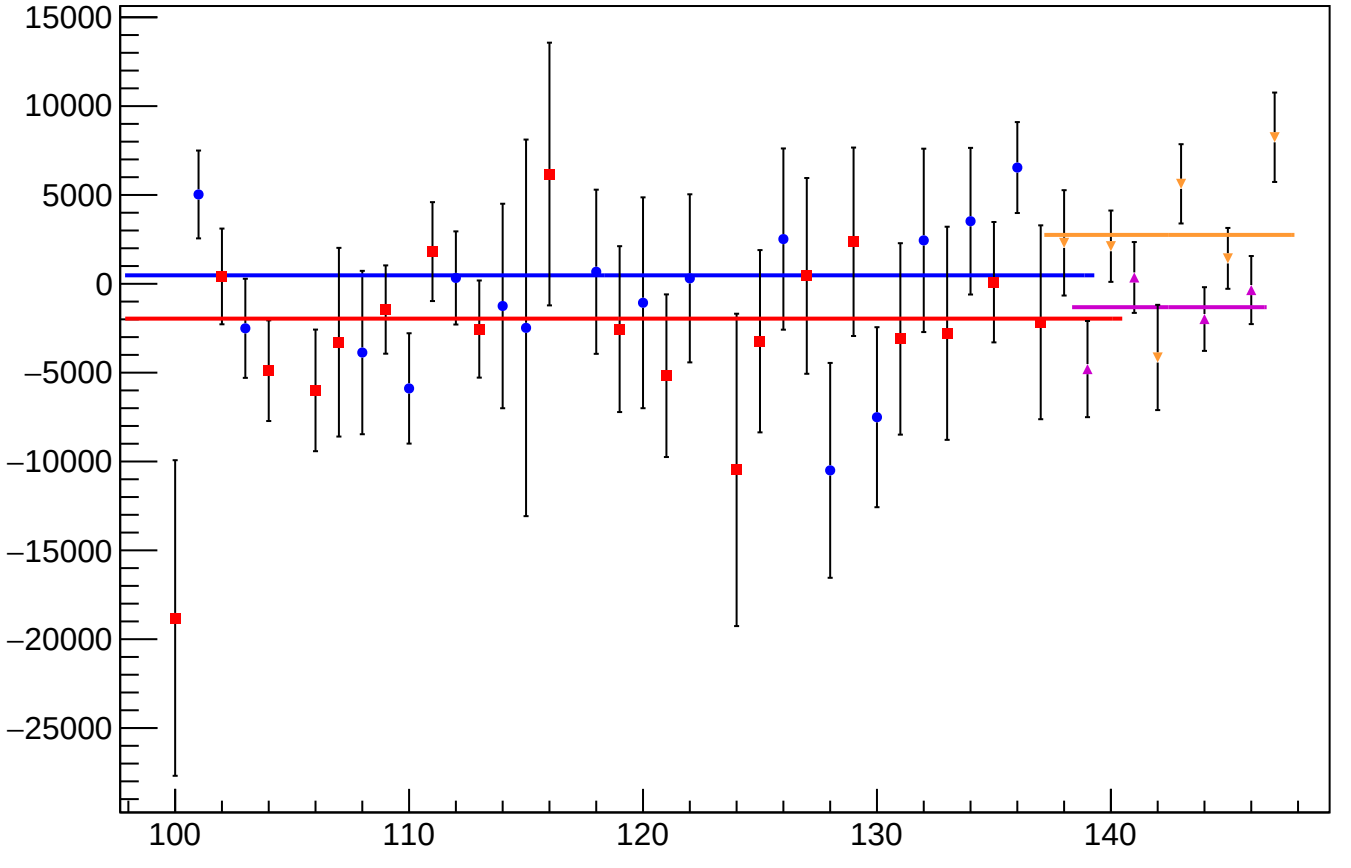
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2212.536+/-0.496 χ^2/NDF:1368704.4/19

Out: 2154.938+/-0.456 χ^2/NDF:1582190.4/24

All: 2181.361+/-0.336 χ^2/NDF: 2958198.9/44

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2752.421+/-922.137 χ^2/NDF:12.6/5

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -1315.569+/-1014.307 χ^2/NDF:2.8/3

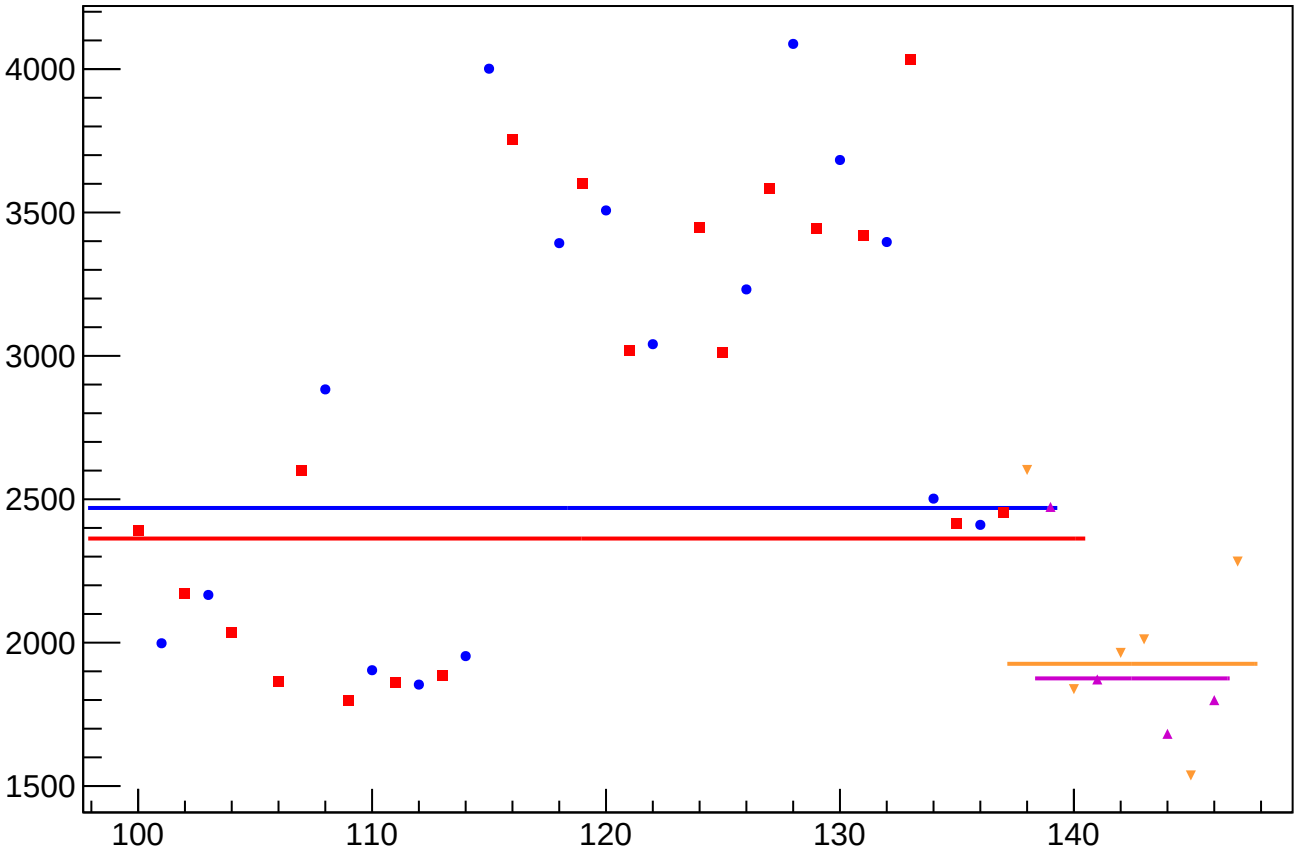
Left: 911.615+/-682.313 χ^2/NDF: 24.1/9

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -363.094+/-694.440 χ^2/NDF:26.5/19

Out: 338.448+/-643.971 χ^2/NDF:38.8/24

All: 14.093+/-472.191 χ^2/NDF: 65.9/44



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 1926.221+/-0.652 χ^2/NDF:254564.8/5

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 1875.358+/-0.717 χ^2/NDF:124060.2/3

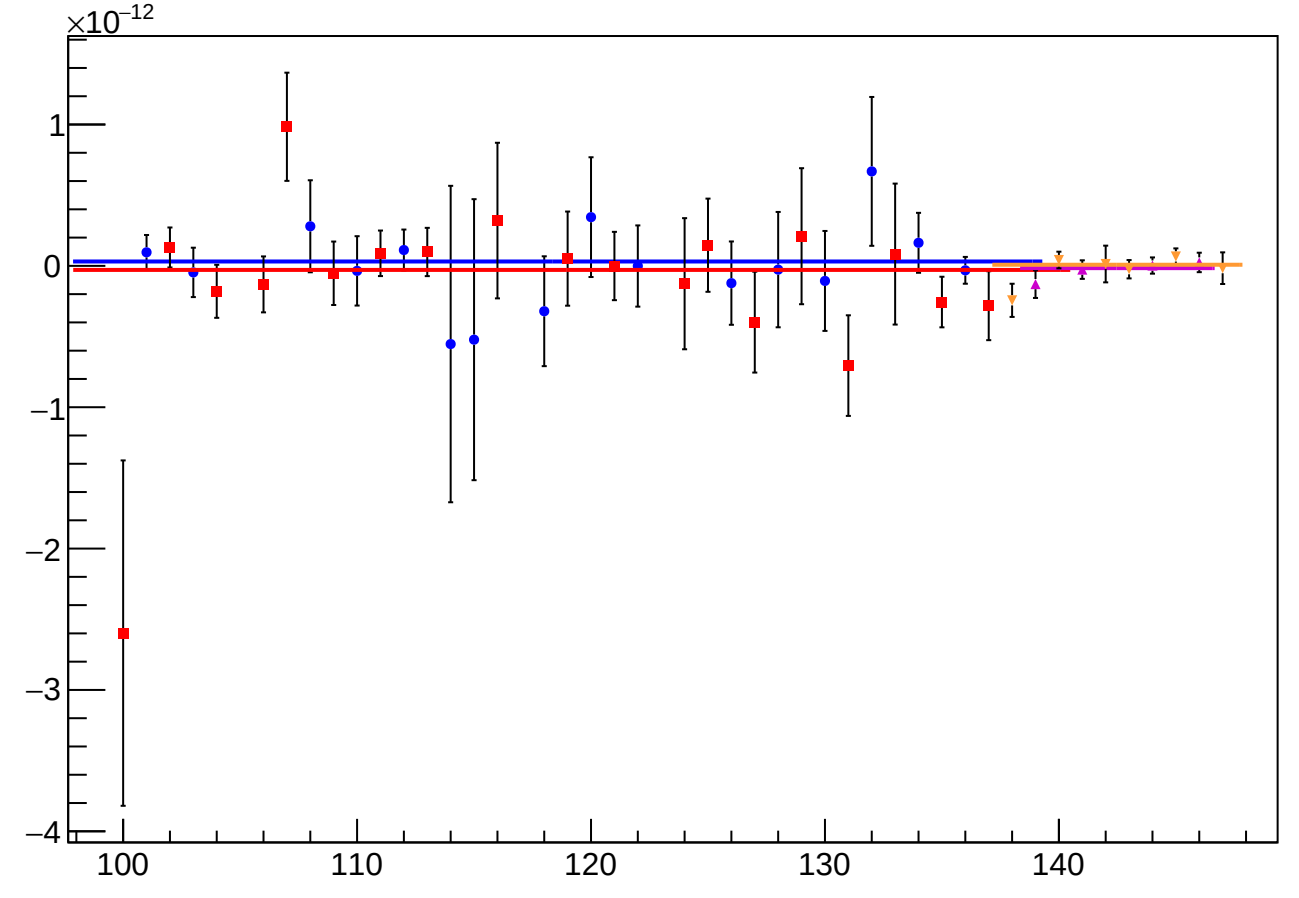
Left: 1903.205+/-0.482 χ^2/NDF: 381378.4/9

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2191.077+/-0.491 χ^2/NDF:1374980.0/19

Out: 2150.015+/-0.455 χ^2/NDF:1527842.7/24

All: 2169.000+/-0.334 χ^2/NDF: 2906582.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/3

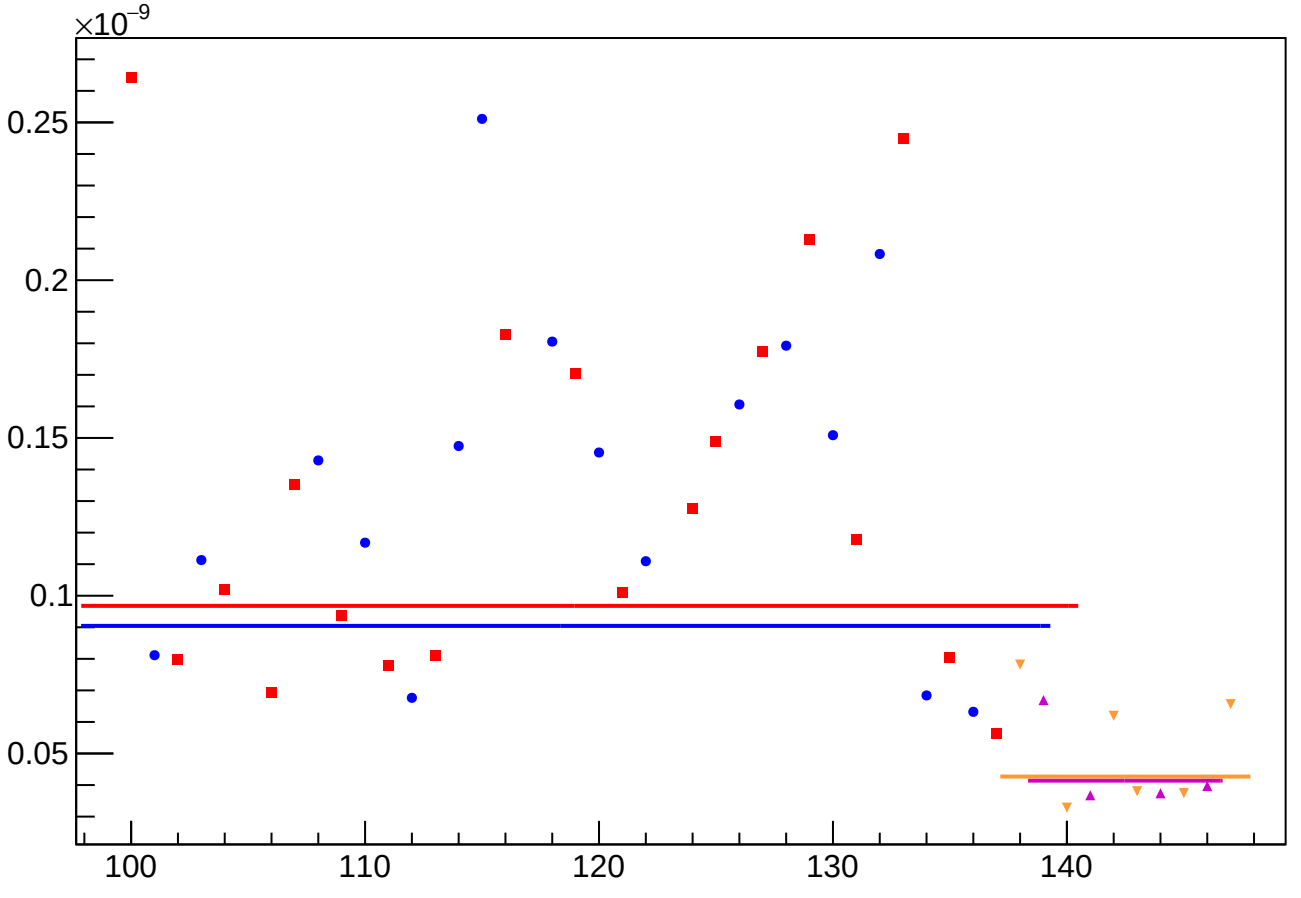
Left: -0.000+/-0.000 χ^2/NDF: 8.3/9

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: -0.000+/-0.000 χ^2/NDF:8.5/19

Out: -0.000+/-0.000 χ^2/NDF:29.8/24

All: -0.000+/-0.000 χ^2/NDF: 38.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:394080.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:156348.6/3

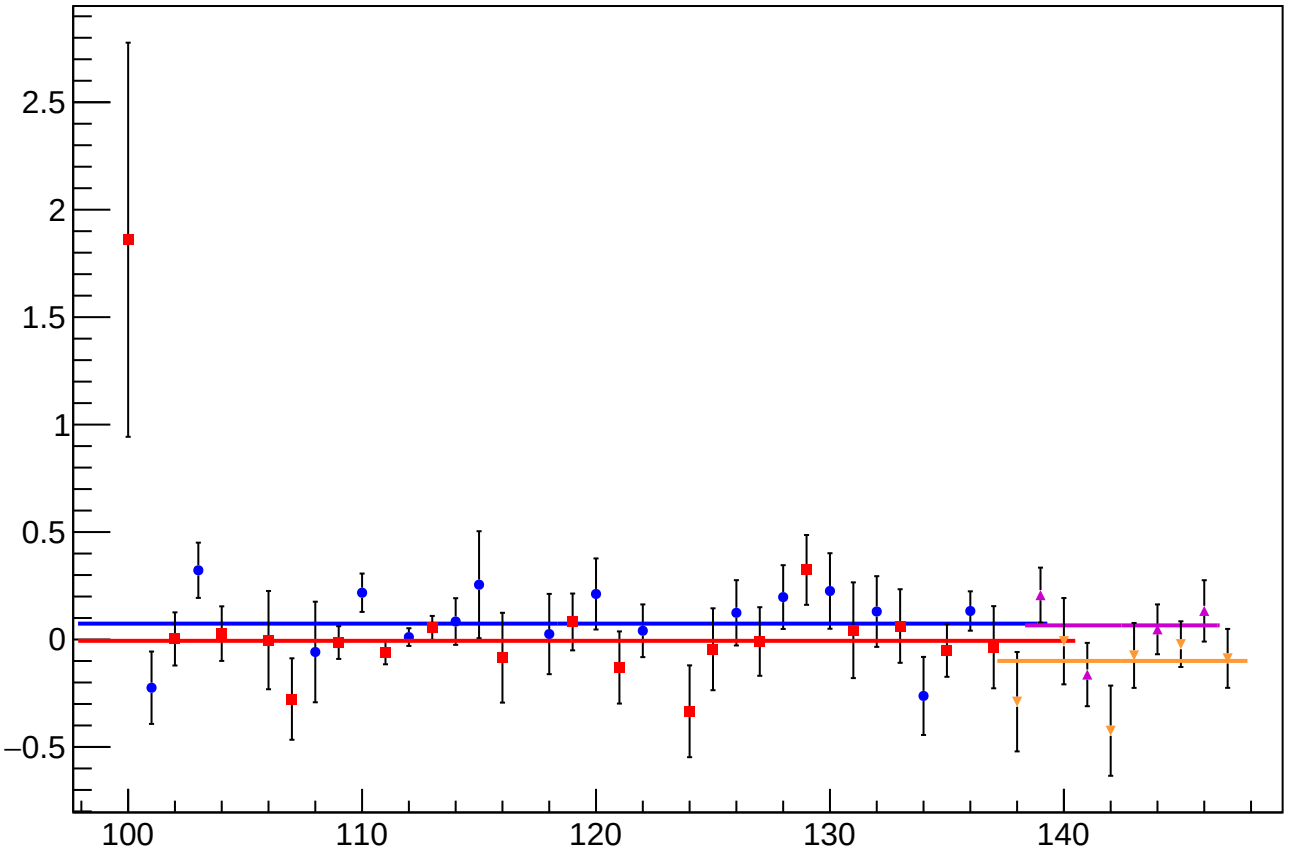
Left: 0.000+/-0.000 χ^2/NDF: 551990.8/9

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2303995.2/19

Out: 0.000+/-0.000 χ^2/NDF:2677494.6/24

All: 0.000+/-0.000 χ^2/NDF: 4982039.9/44



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.066 χ^2/NDF:3.9/3

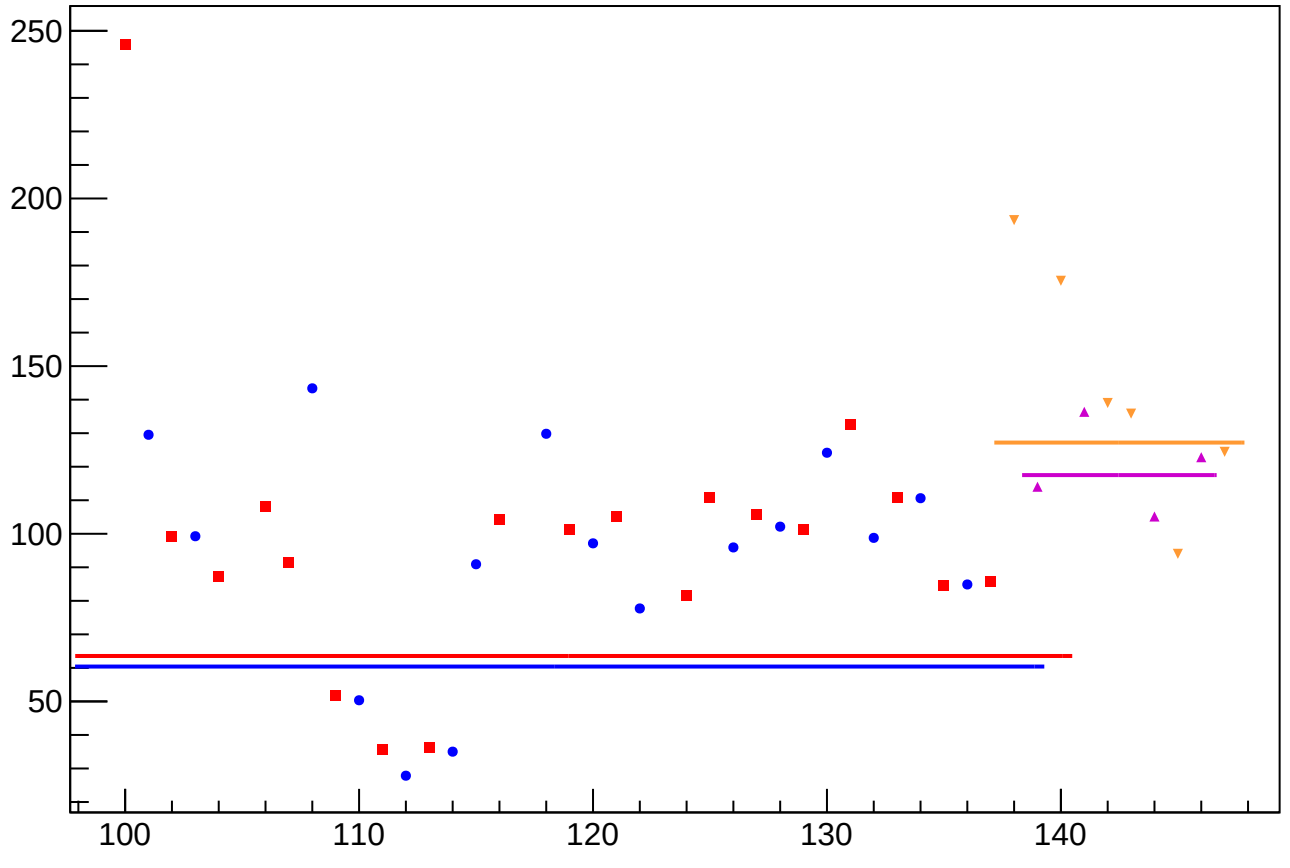
Left: -0.021+/-0.046 χ^2/NDF: 11.0/9

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.073+/-0.025 χ^2/NDF:22.9/19

Out: -0.020+/-0.025 χ^2/NDF:22.1/24

All: 0.026+/-0.018 χ^2/NDF: 52.0/44



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.204+/-0.045 χ^2/NDF:488694.1/5

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.503+/-0.047 χ^2/NDF:59754.7/3

Left: 122.567+/-0.032 χ^2/NDF: 571093.1/9

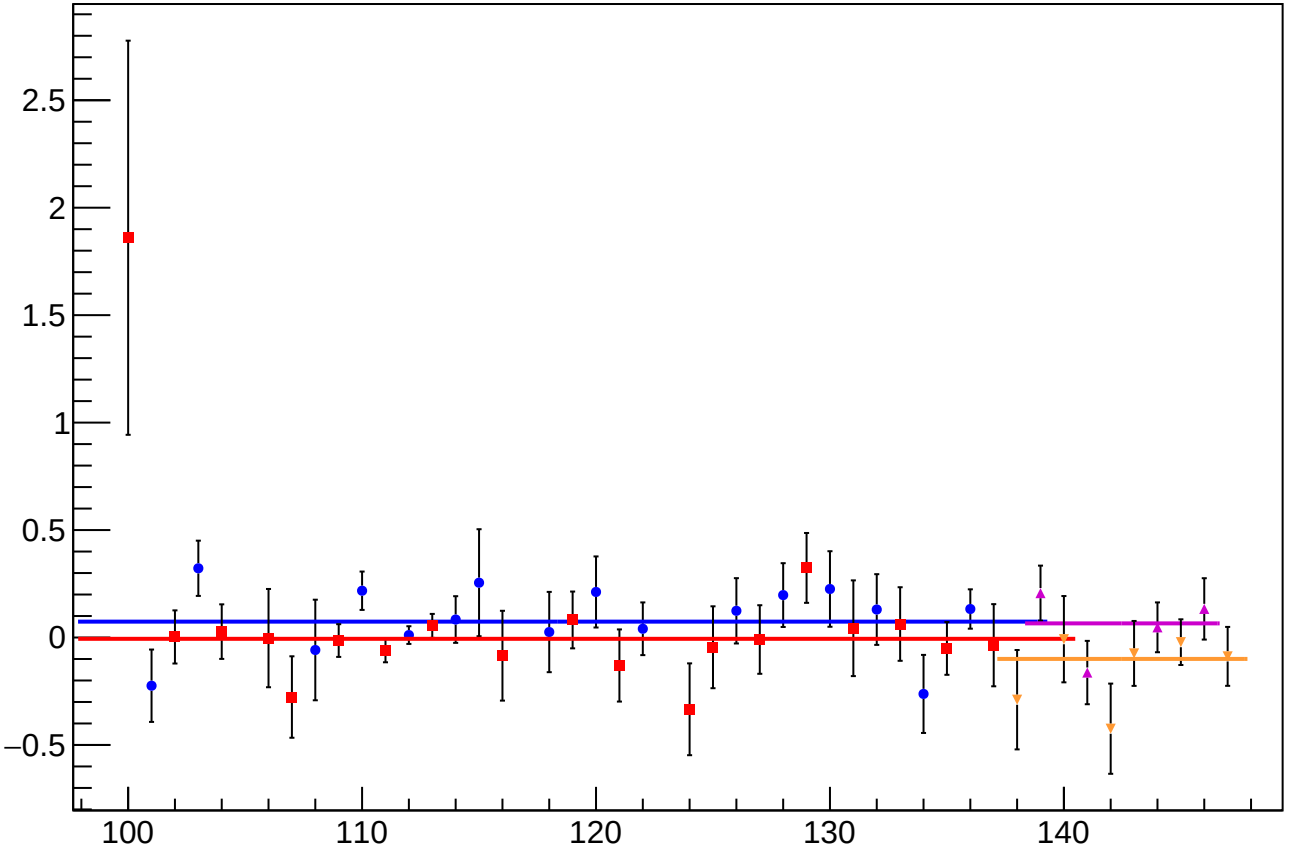
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 68.623+/-0.018 χ^2/NDF:4884759.0/19

Out: 73.318+/-0.017 χ^2/NDF:4870048.8/24

All: 70.999+/-0.012 χ^2/NDF: 9790533.1/44

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.066 χ^2/NDF:3.9/3

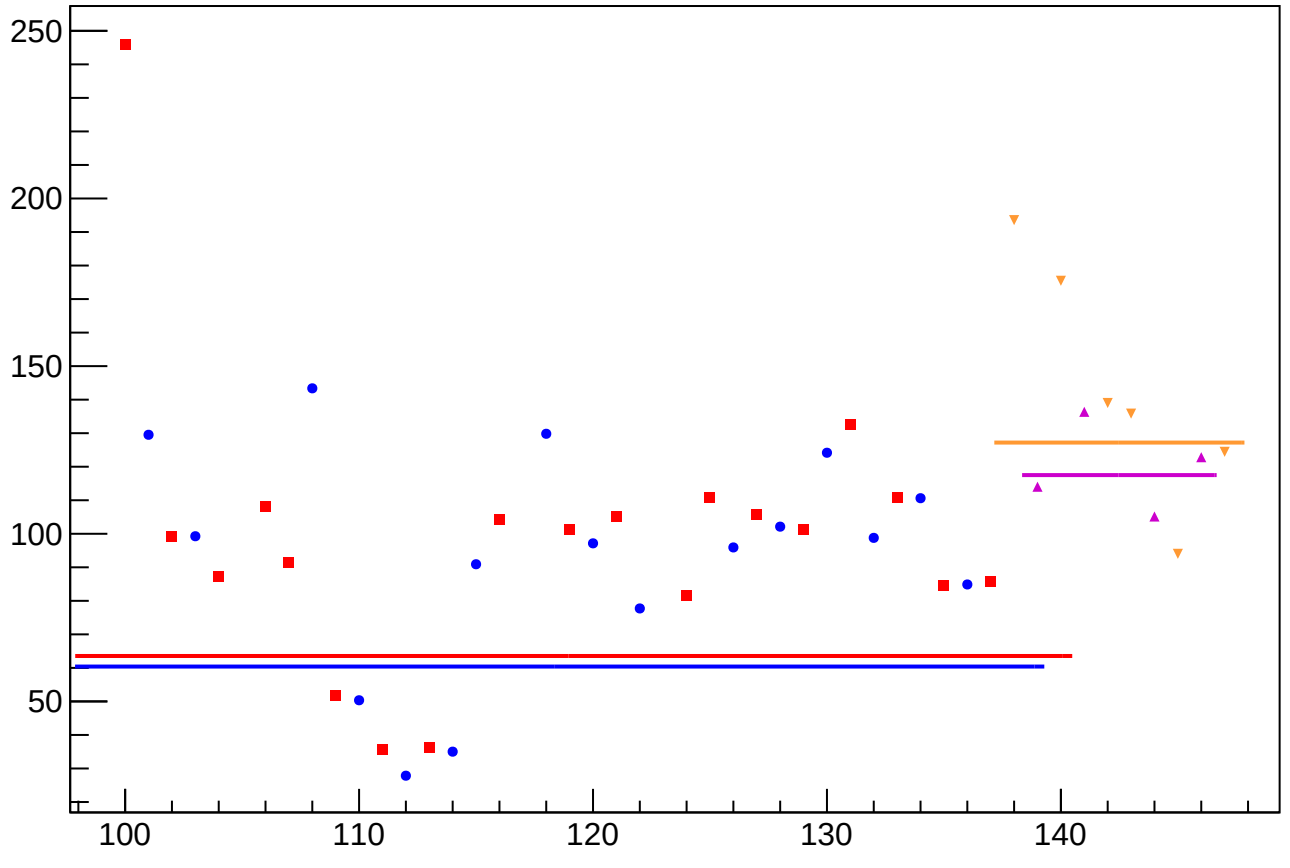
Left: -0.021+/-0.046 χ^2/NDF: 11.0/9

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.073+/-0.025 χ^2/NDF:22.9/19

Out: -0.020+/-0.025 χ^2/NDF:22.1/24

All: 0.026+/-0.018 χ^2/NDF: 52.0/44



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 127.204+/-0.045 χ^2/NDF:488694.1/5

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 117.503+/-0.047 χ^2/NDF:59754.7/3

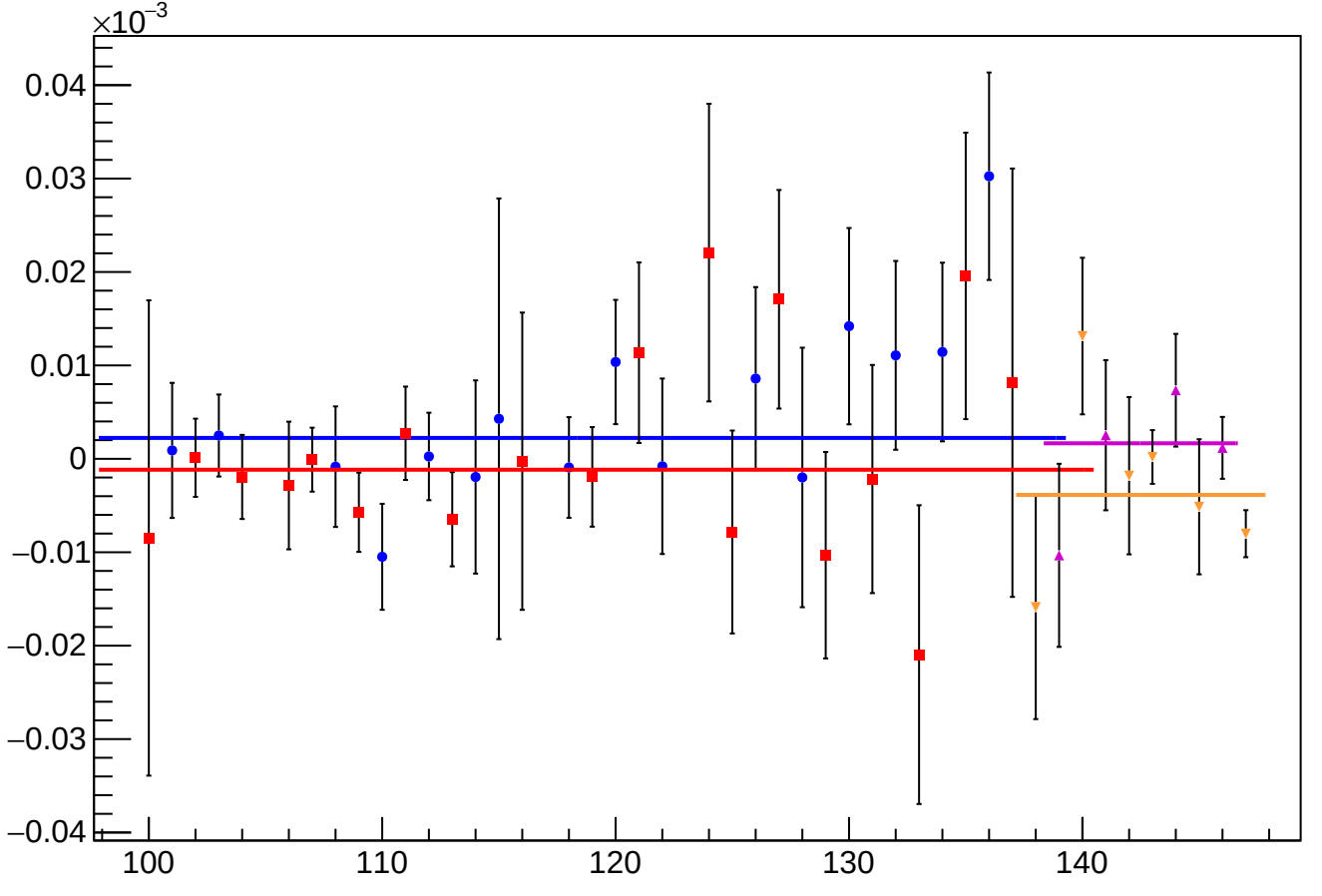
Left: 122.567+/-0.032 χ^2/NDF: 571093.1/9

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 68.623+/-0.018 χ^2/NDF:4884759.0/19

Out: 73.318+/-0.017 χ^2/NDF:4870048.8/24

All: 70.999+/-0.012 χ^2/NDF: 9790533.1/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

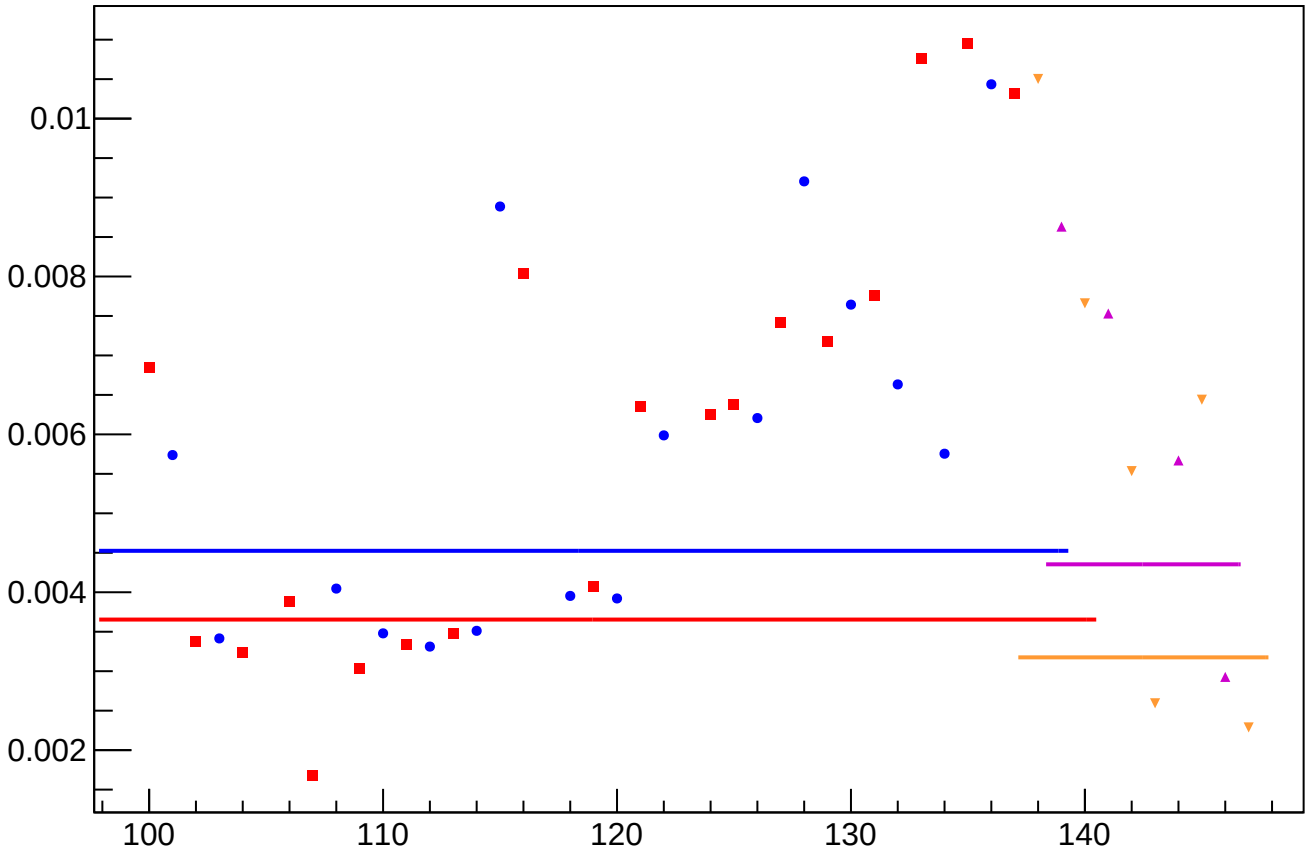
Left: -0.000+/-0.000 χ^2/NDF: 15.4/9

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:19.9/19

Out: -0.000+/-0.000 χ^2/NDF:25.4/24

All: -0.000+/-0.000 χ^2/NDF: 50.8/44



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:2215799.5/5

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1159474.3/3

Left: 0.004+/-0.000 χ^2/NDF: 3655365.1/9

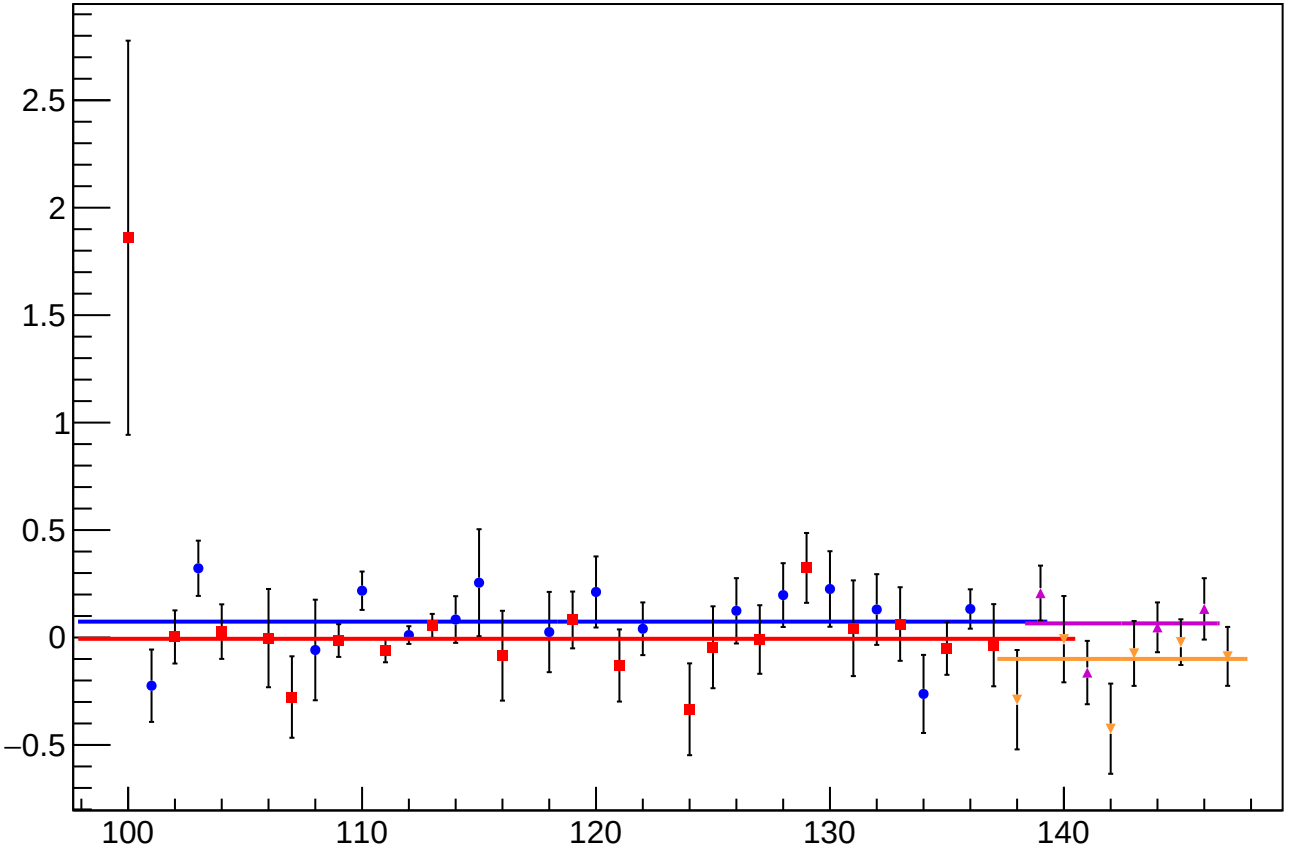
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:2886544.6/19

Out: 0.003+/-0.000 χ^2/NDF:5236412.9/24

All: 0.004+/-0.000 χ^2/NDF: 8716867.0/44

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: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.066 χ^2/NDF:3.9/3

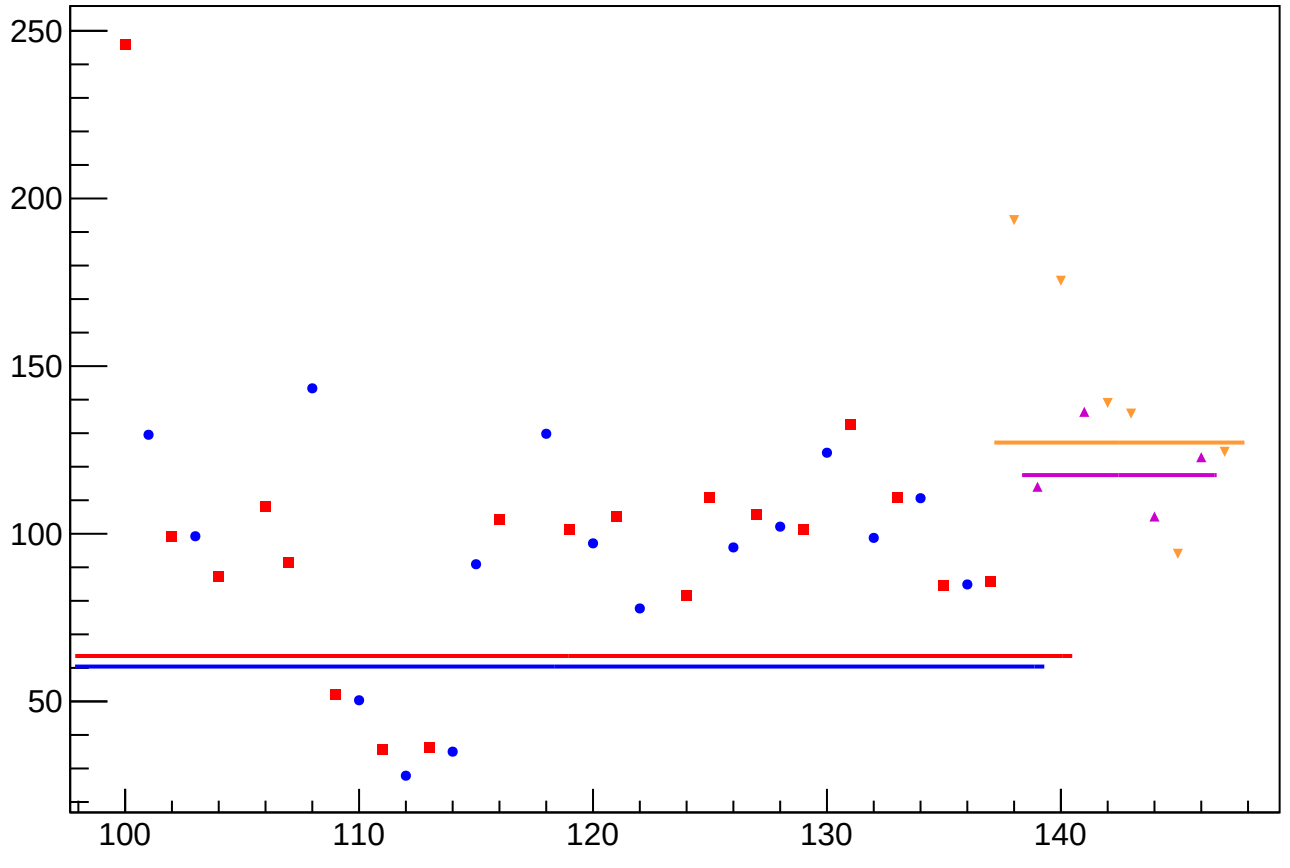
Left: -0.021+/-0.046 χ^2/NDF: 11.0/9

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.073+/-0.025 χ^2/NDF:22.9/19

Out: -0.020+/-0.025 χ^2/NDF:22.1/24

All: 0.026+/-0.018 χ^2/NDF: 52.0/44



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.205+/-0.045 χ^2/NDF:488664.4/5

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.504+/-0.047 χ^2/NDF:59756.1/3

Left: 122.568+/-0.032 χ^2/NDF: 571066.8/9

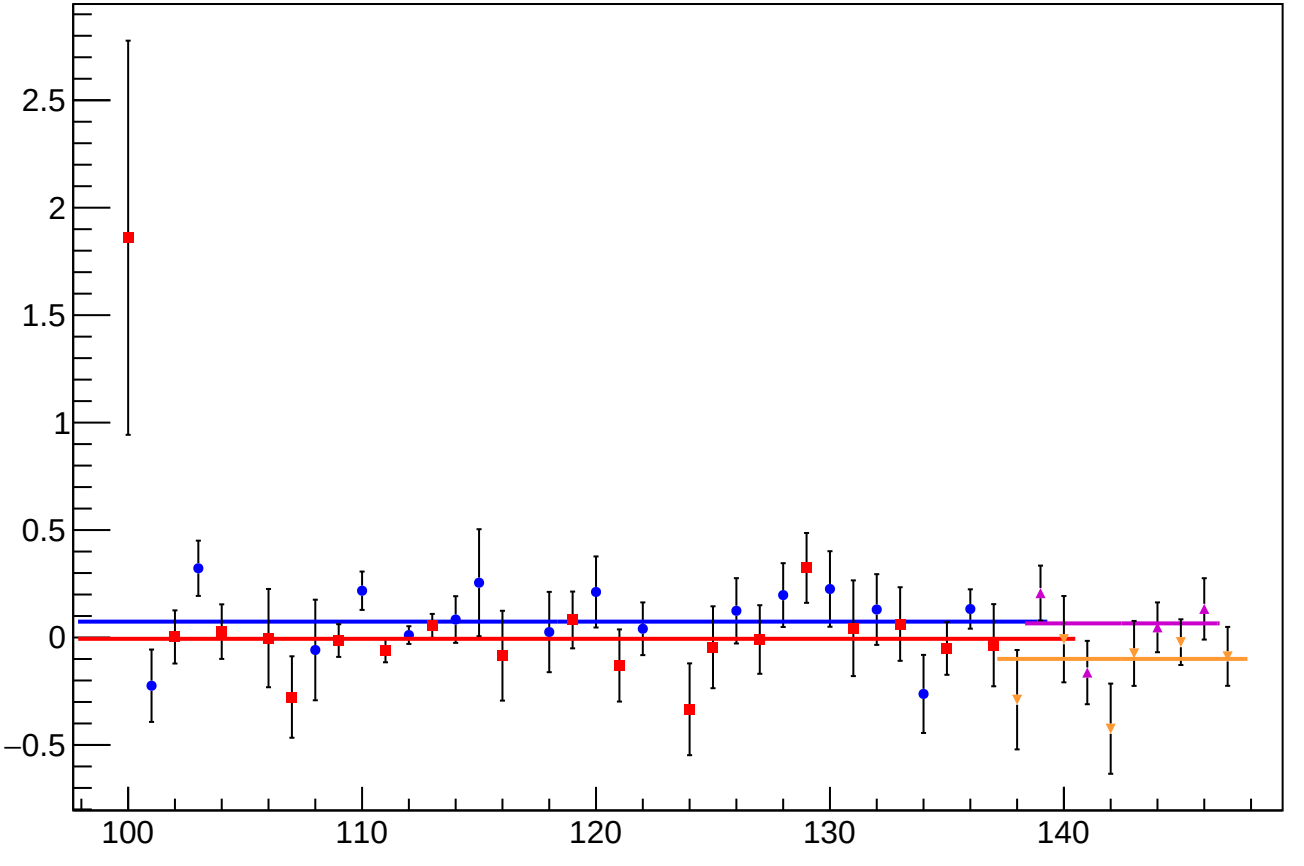
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 68.621+/-0.018 χ^2/NDF:4885149.3/19

Out: 73.316+/-0.017 χ^2/NDF:4870449.0/24

All: 70.997+/-0.012 χ^2/NDF: 9791329.4/44

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: -0.100+/-0.063 χ^2/NDF:3.9/5

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.066 χ^2/NDF:3.9/3

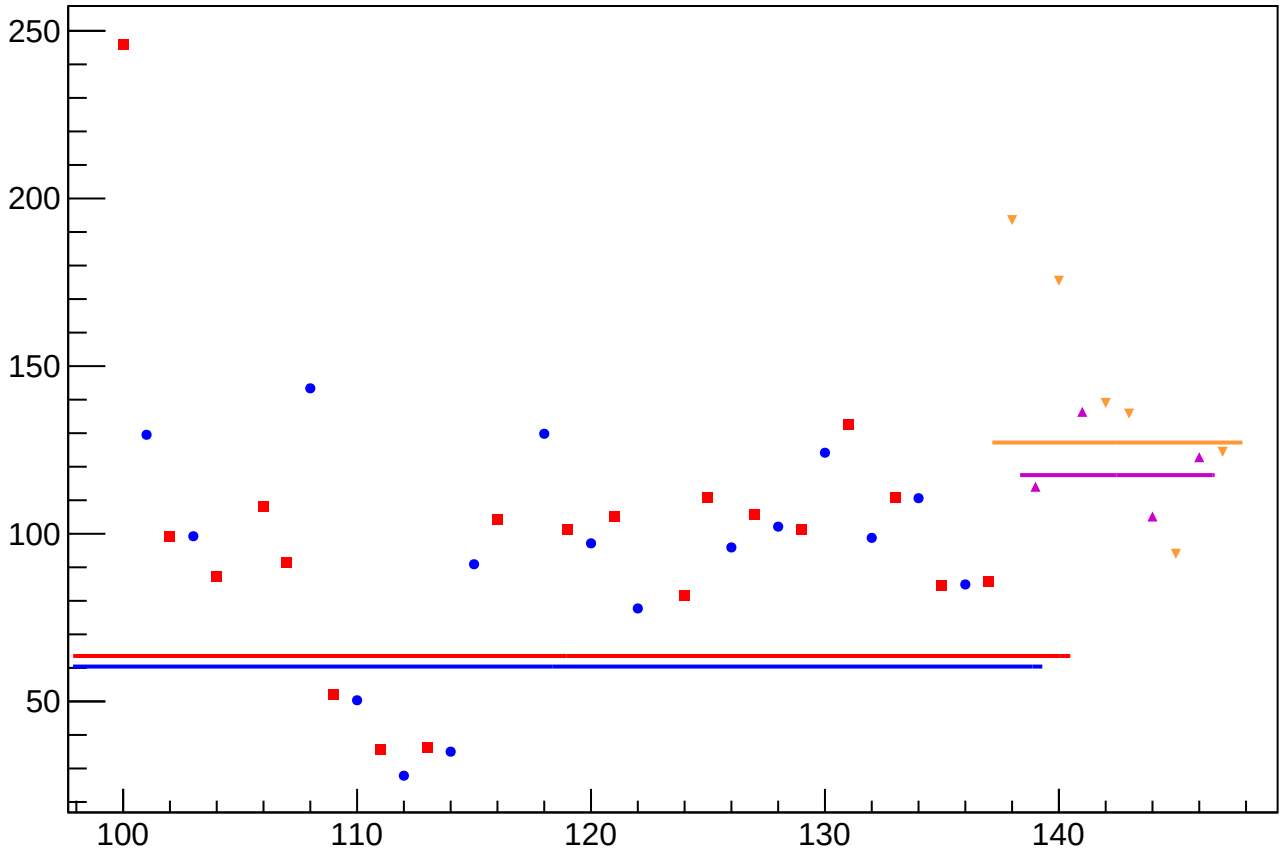
Left: -0.021+/-0.046 χ^2/NDF: 11.0/9

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.073+/-0.025 χ^2/NDF:22.9/19

Out: -0.020+/-0.025 χ^2/NDF:22.1/24

All: 0.026+/-0.018 χ^2/NDF: 52.0/44



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 127.205+/-0.045 χ^2/NDF:488664.4/5

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 117.504+/-0.047 χ^2/NDF:59756.1/3

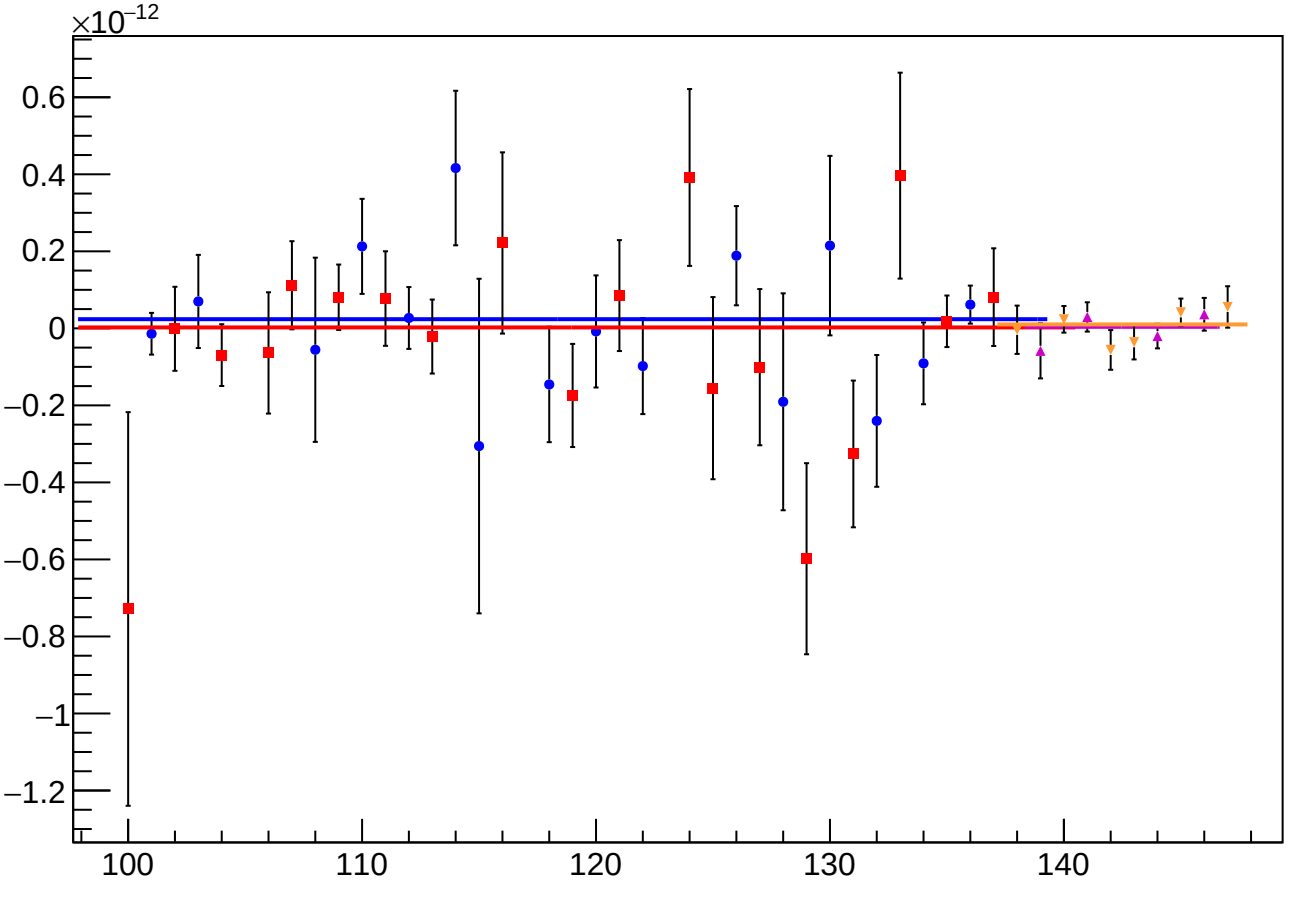
Left: 122.568+/-0.032 χ^2/NDF: 571066.8/9

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 68.621+/-0.018 χ^2/NDF:4885149.3/19

Out: 73.316+/-0.017 χ^2/NDF:4870449.0/24

All: 70.997+/-0.012 χ^2/NDF: 9791329.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

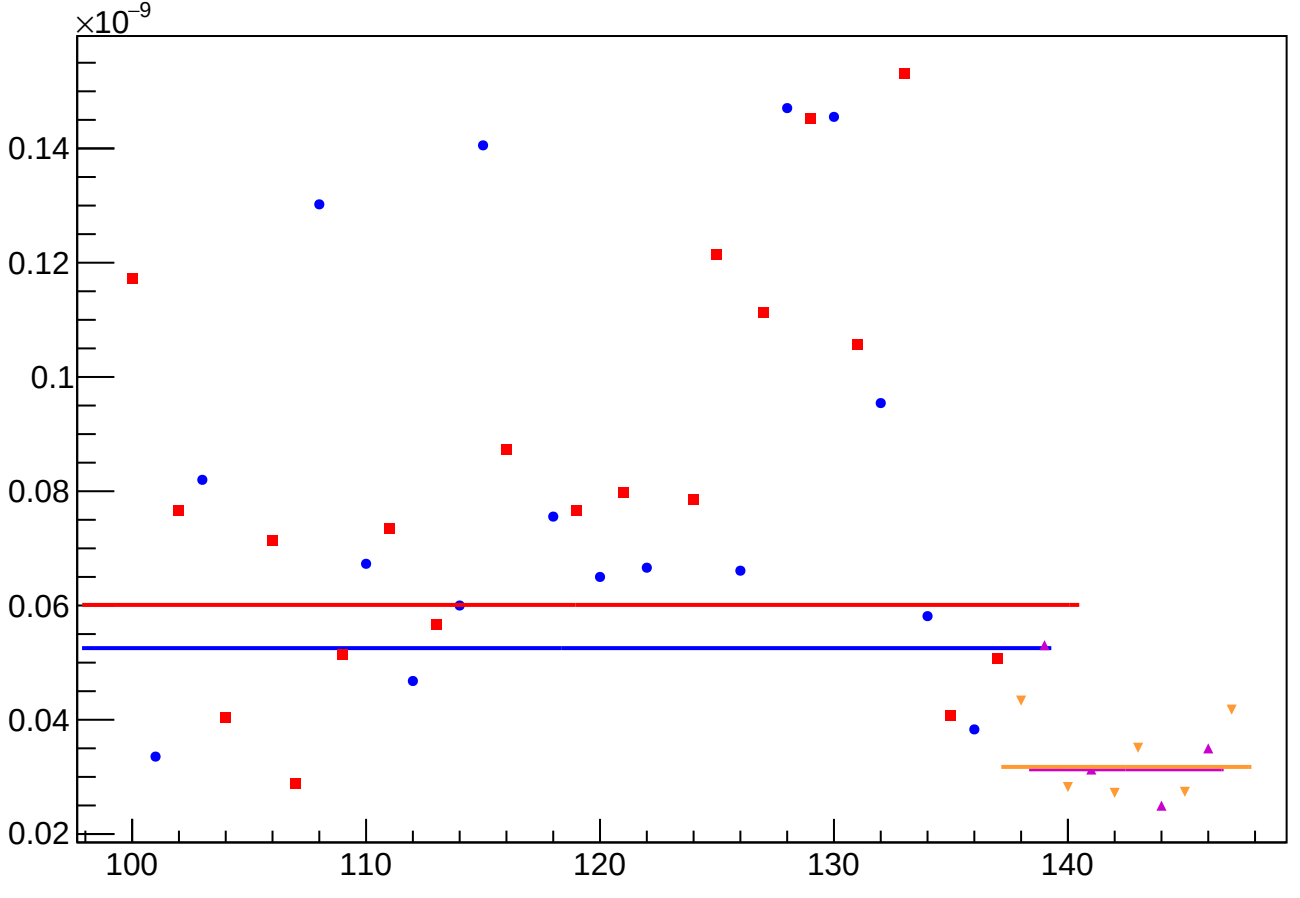
Left: 0.000+/-0.000 χ^2/NDF: 6.8/9

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:19.5/19

Out: 0.000+/-0.000 χ^2/NDF:27.7/24

All: 0.000+/-0.000 χ^2/NDF: 47.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:215480.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:278601.7/3

Left: 0.000+/-0.000 χ^2/NDF: 494564.5/9

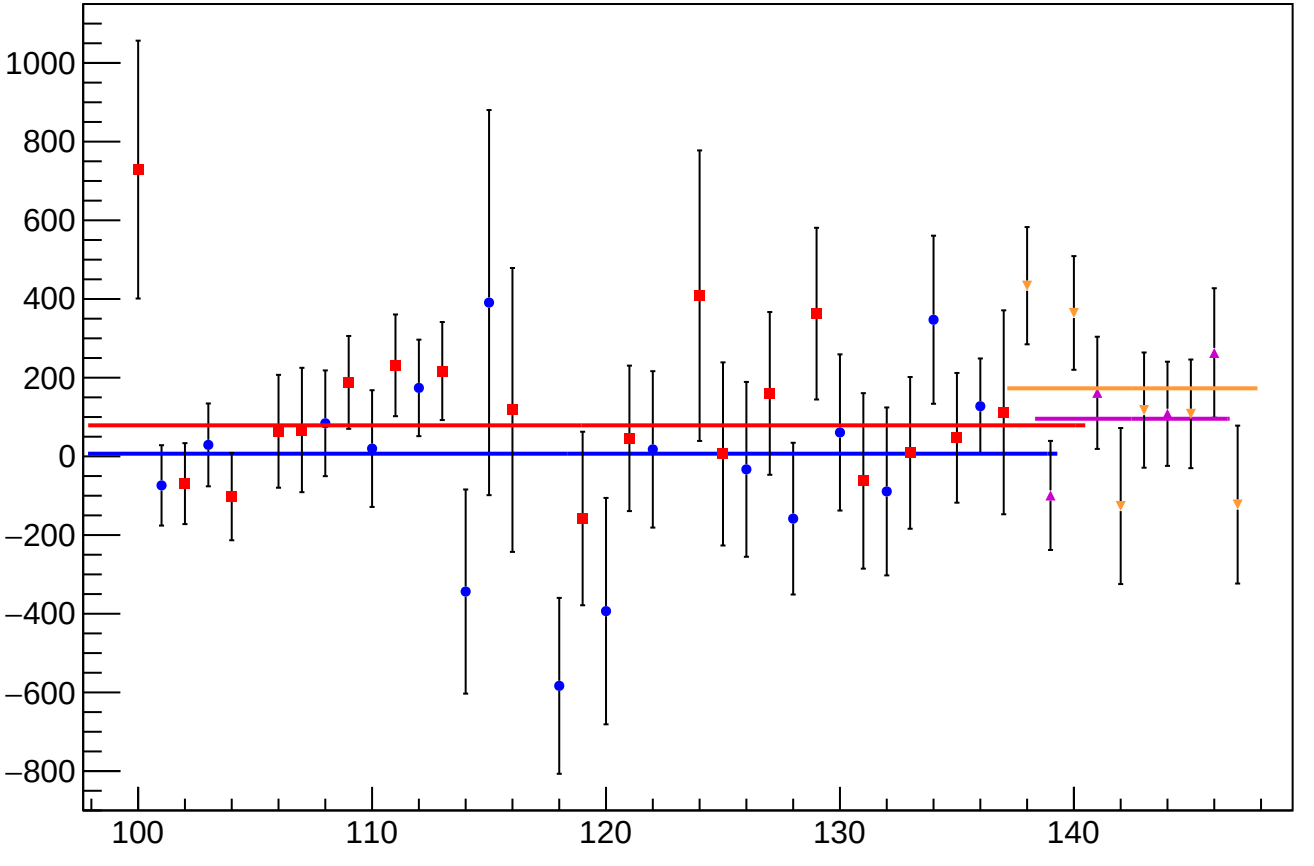
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:2746347.4/19

Out: 0.000+/-0.000 χ^2/NDF:3146014.5/24

All: 0.000+/-0.000 χ^2/NDF: 5892871.2/44

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 172.968+/-64.247 χ^2/NDF:9.6/5

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 95.611+/-71.573 χ^2/NDF:3.2/3

Left: 138.450+/-47.811 χ^2/NDF: 13.5/9

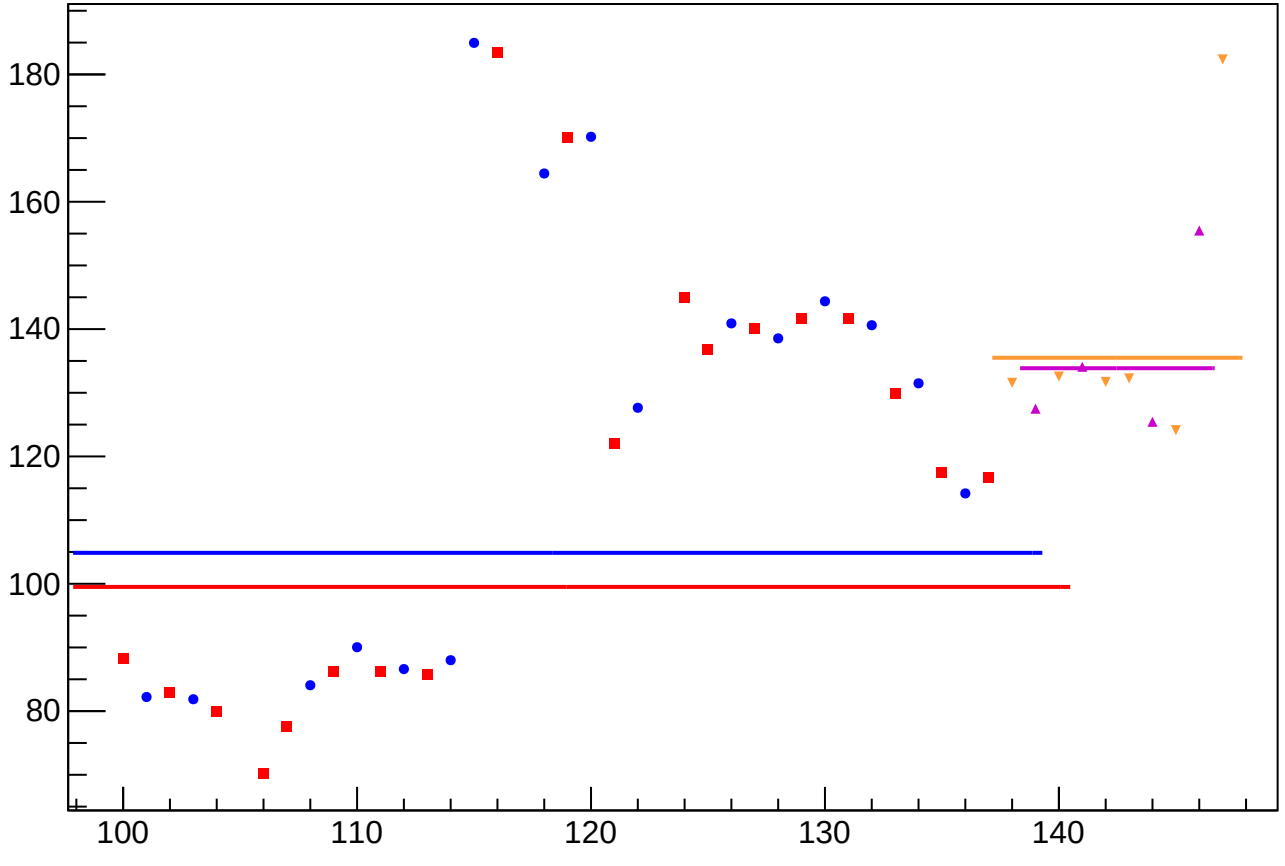
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 28.229+/-35.151 χ^2/NDF:23.2/19

Out: 103.177+/-32.647 χ^2/NDF:27.9/24

All: 68.467+/-23.921 χ^2/NDF: 53.5/44

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 135.502+/-0.045 χ^2/NDF:126523.1/5

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

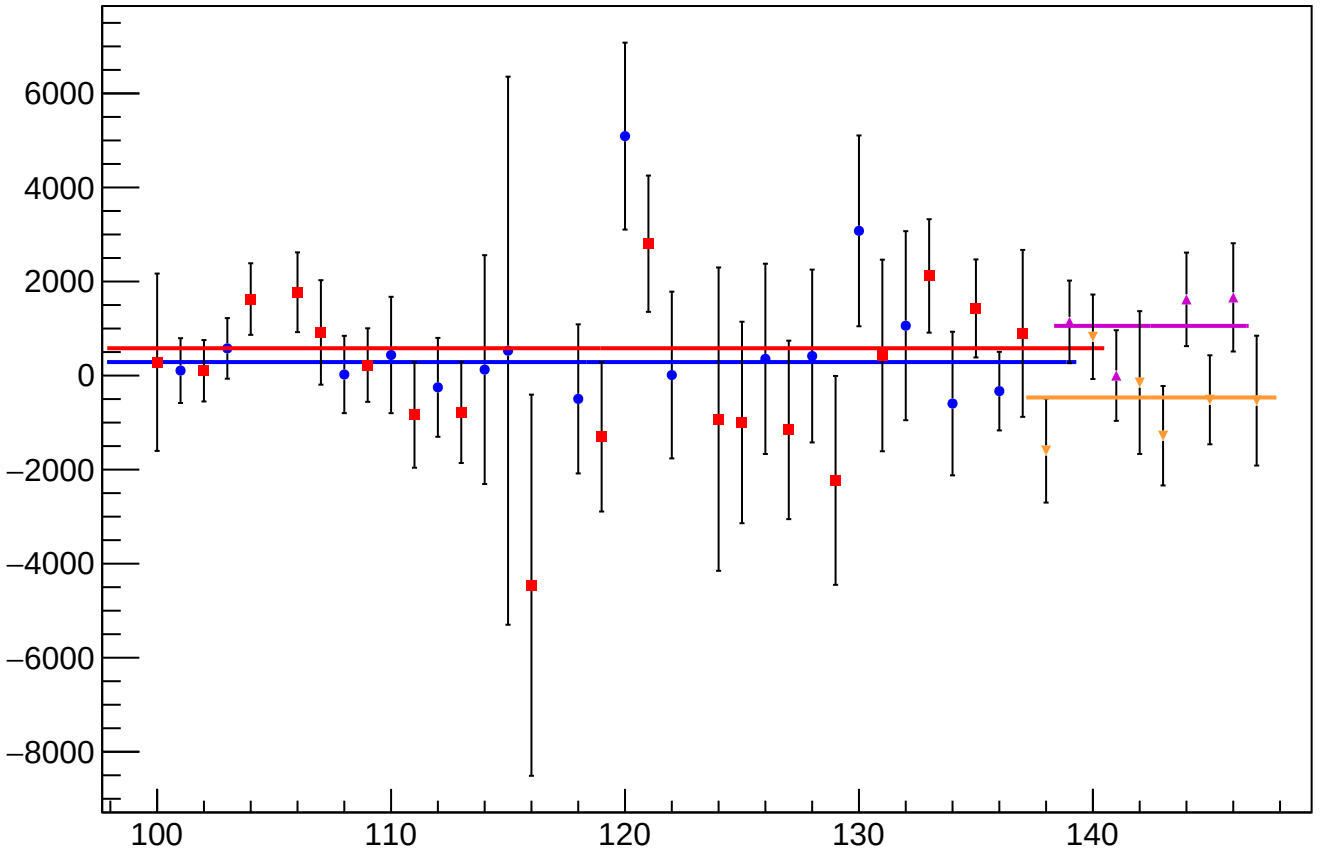
Left: 134.768+/-0.034 χ^2/NDF: 173934.8/9

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 111.854+/-0.025 χ^2/NDF:1227163.4/19

Out: 108.802+/-0.023 χ^2/NDF:1631209.2/24

All: 110.215+/-0.017 χ^2/NDF: 2866467.9/44



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -466.421+/-446.131 χ^2/NDF:3.7/5

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 1056.934+/-491.510 χ^2/NDF:1.8/3

Left: 221.703+/-330.343 χ^2/NDF: 10.8/9

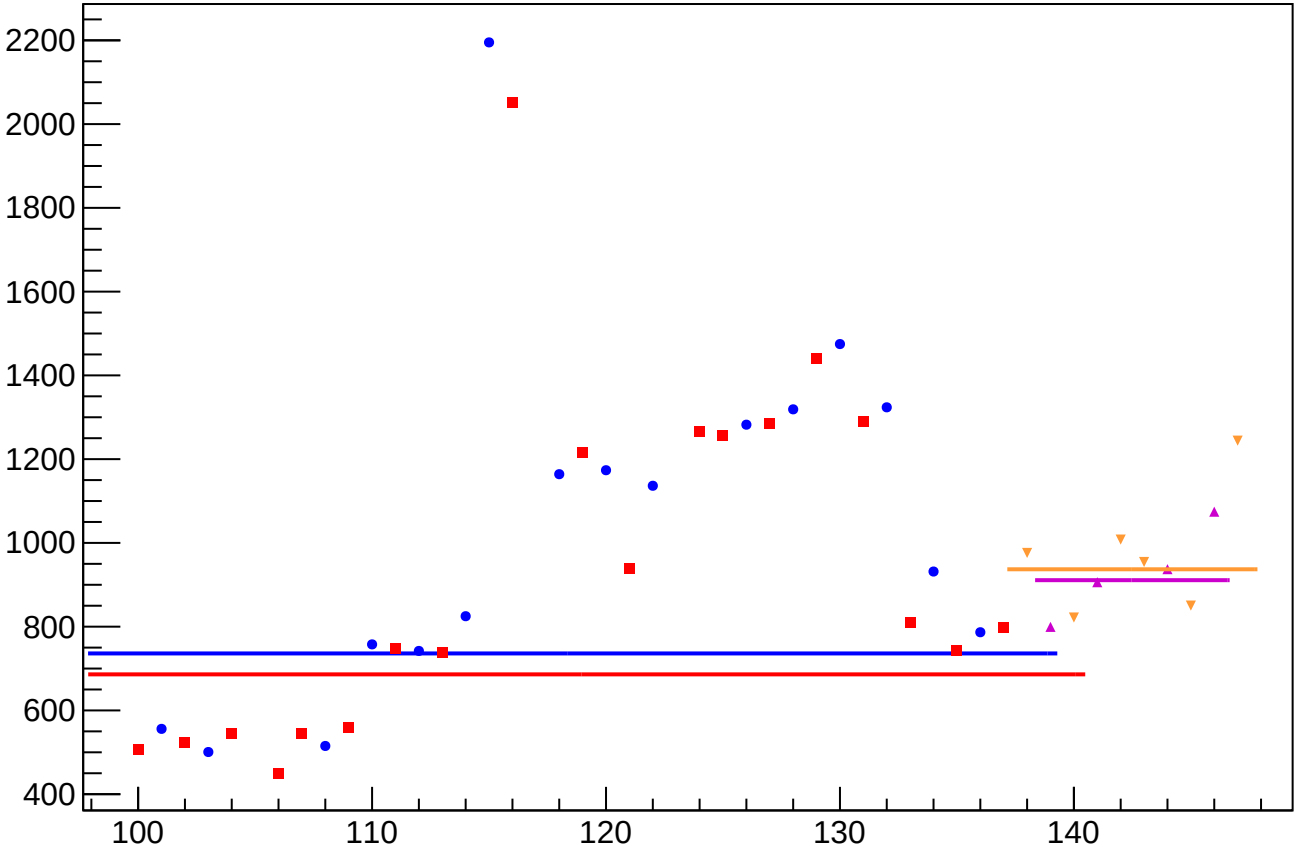
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 489.288+/-251.975 χ^2/NDF:13.3/19

Out: 300.708+/-230.850 χ^2/NDF:26.5/24

All: 386.763+/-170.215 χ^2/NDF: 40.2/44

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 937.005+/-0.315 χ^2/NDF:156015.1/5

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 911.019+/-0.348 χ^2/NDF:74074.2/3

Left: 925.267+/-0.234 χ^2/NDF: 233154.5/9

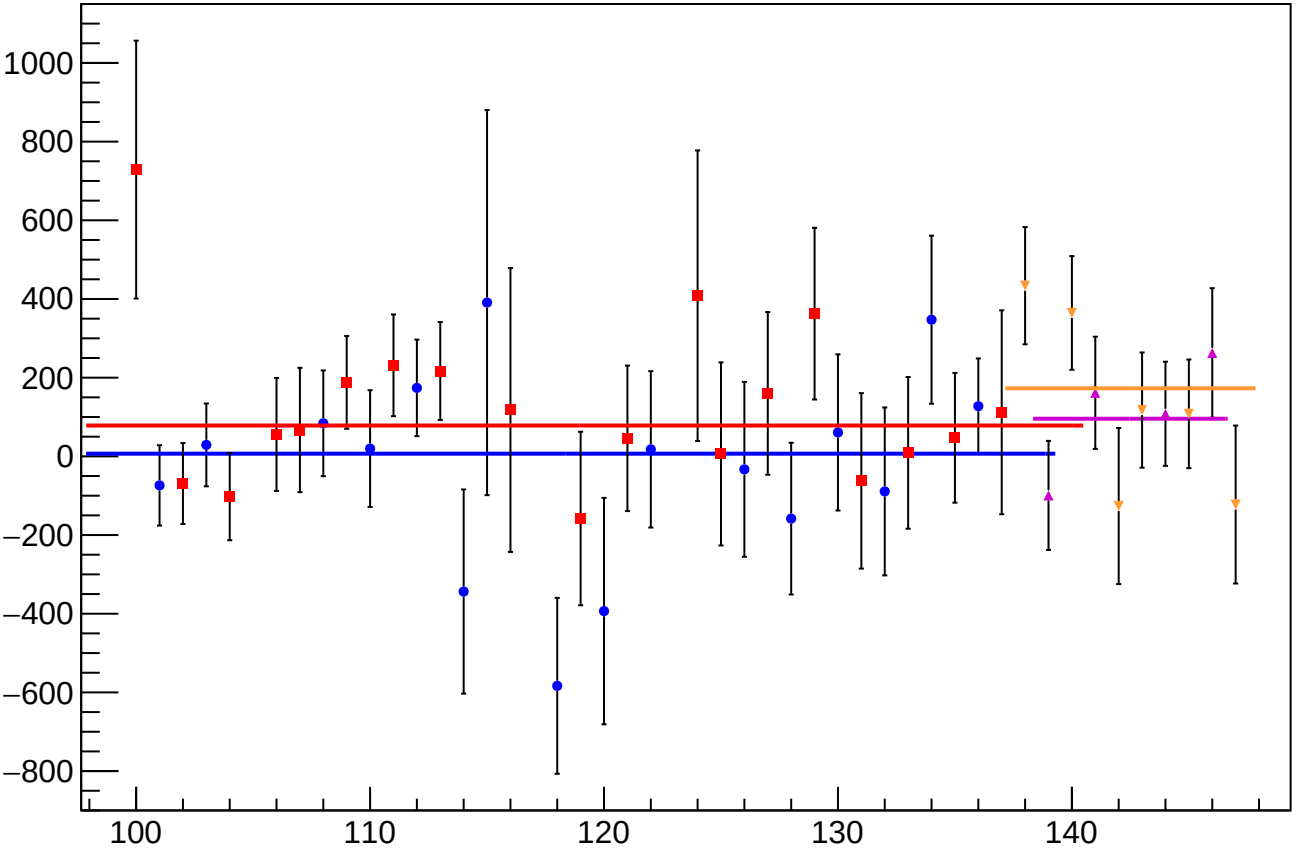
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 782.059+/-0.178 χ^2/NDF:2105335.7/19

Out: 753.287+/-0.163 χ^2/NDF:2438375.7/24

All: 766.417+/-0.120 χ^2/NDF: 4557889.1/44

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 172.981+/-64.247 χ^2/NDF:9.6/5

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 95.619+/-71.573 χ^2/NDF:3.2/3

Left: 138.461+/-47.811 χ^2/NDF: 13.5/9

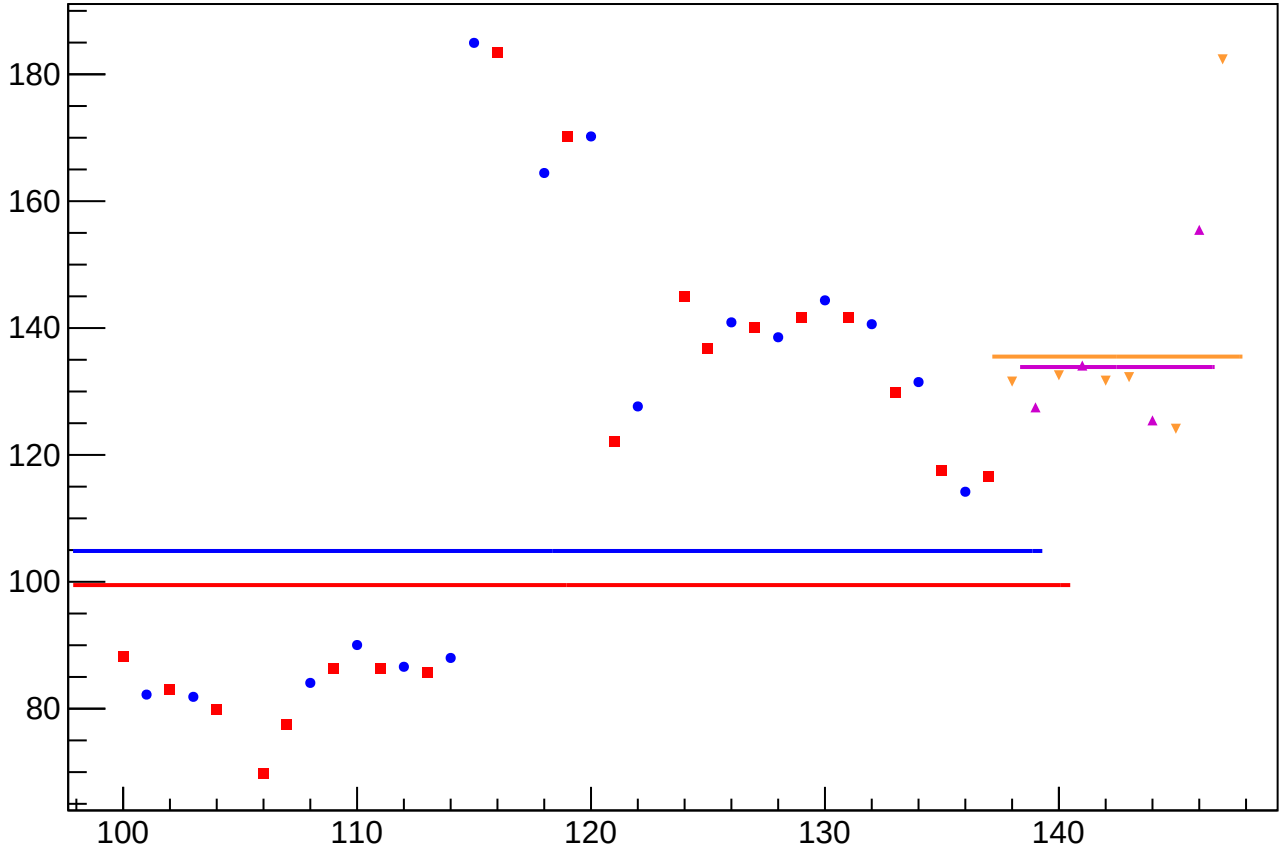
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 28.223+/-35.151 χ^2/NDF:23.2/19

Out: 102.786+/-32.649 χ^2/NDF:27.9/24

All: 68.252+/-23.922 χ^2/NDF: 53.5/44

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 135.502+/-0.045 χ^2/NDF:126523.1/5

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

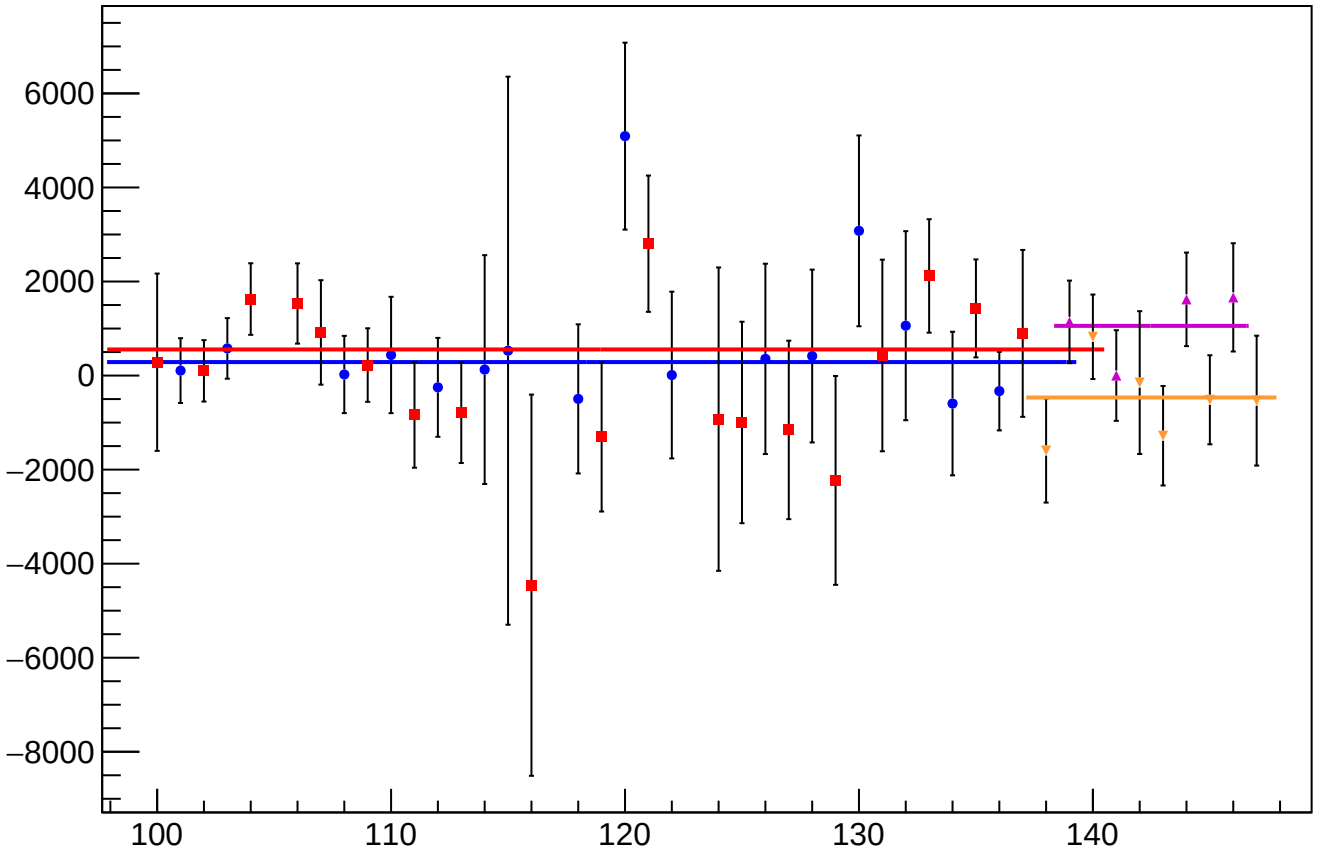
Left: 134.768+/-0.034 χ^2/NDF: 173934.8/9

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 111.854+/-0.025 χ^2/NDF:1227162.4/19

Out: 108.785+/-0.023 χ^2/NDF:1633997.3/24

All: 110.206+/-0.017 χ^2/NDF: 2869343.7/44



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -466.410+/-446.131 χ^2/NDF:3.7/5

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 1056.934+/-491.510 χ^2/NDF:1.8/3

Left: 221.709+/-330.343 χ^2/NDF: 10.8/9

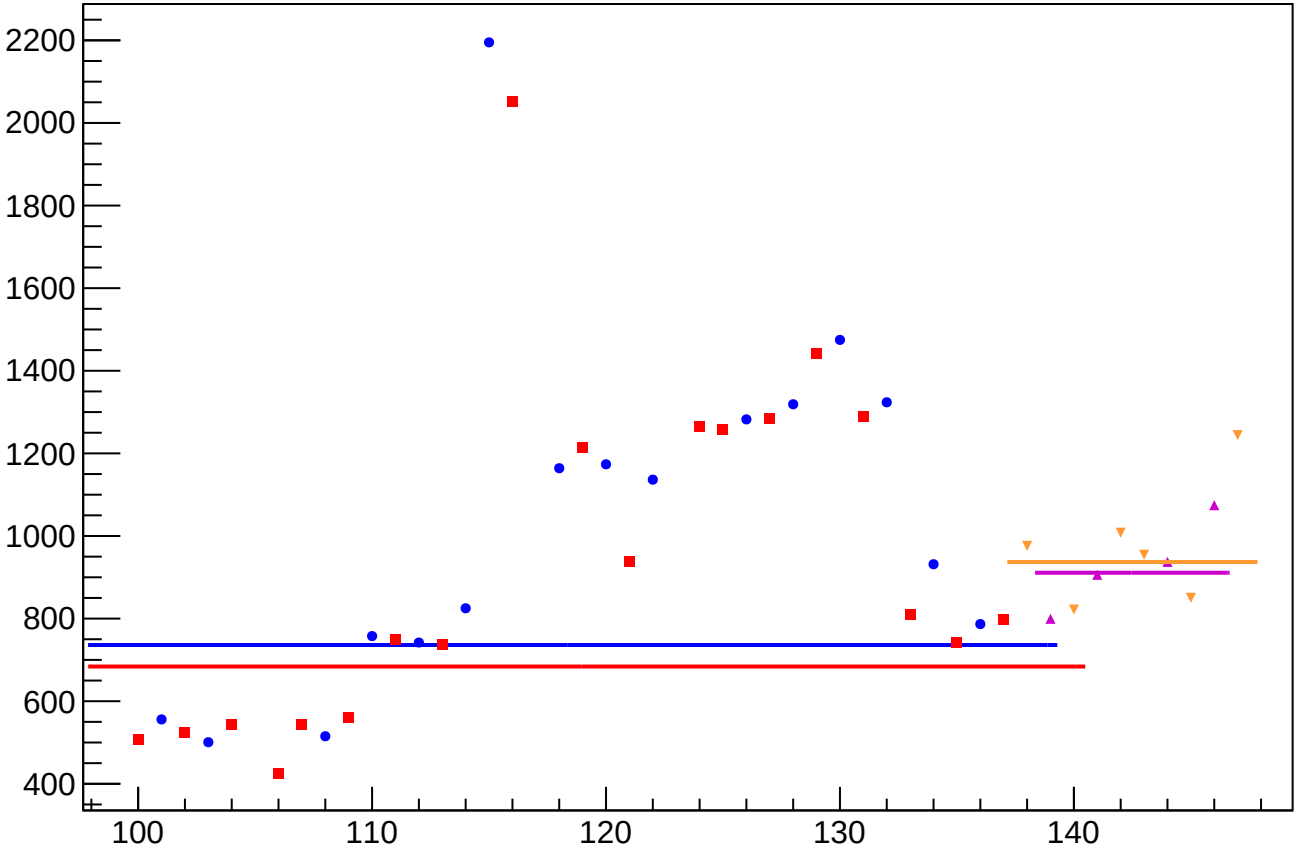
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 489.289+/-251.975 χ^2/NDF:13.3/19

Out: 281.568+/-230.962 χ^2/NDF:25.6/24

All: 376.407+/-170.260 χ^2/NDF: 39.3/44

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 937.005+/-0.315 χ^2/NDF:156015.3/5

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 911.019+/-0.348 χ^2/NDF:74074.8/3

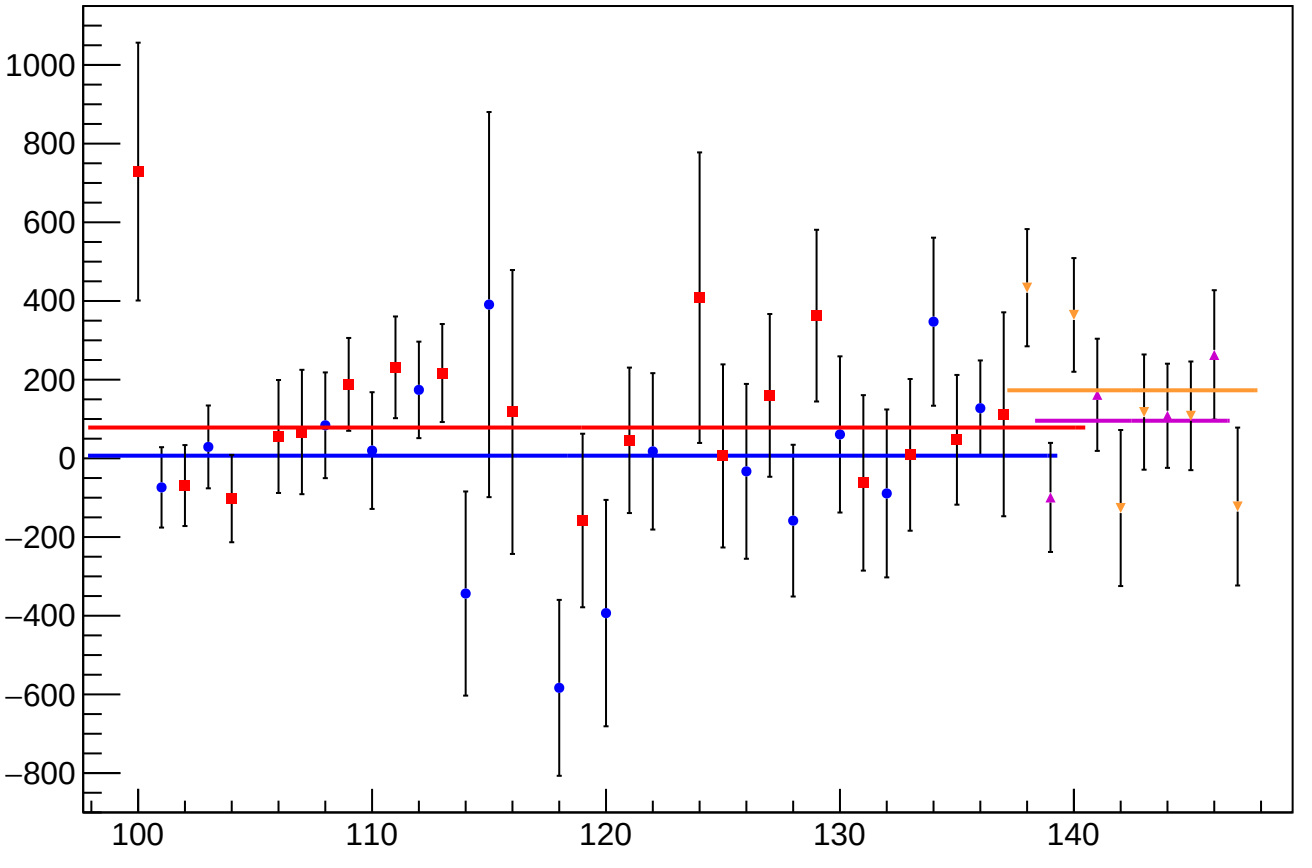
Left: 925.267+/-0.234 χ^2/NDF: 233155.2/9

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 782.059+/-0.178 χ^2/NDF:2105339.8/19

Out: 751.795+/-0.163 χ^2/NDF:2477323.6/24

All: 765.612+/-0.120 χ^2/NDF: 4598342.6/44



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 172.981+/-64.247 χ^2/NDF:9.6/5

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 95.619+/-71.573 χ^2/NDF:3.2/3

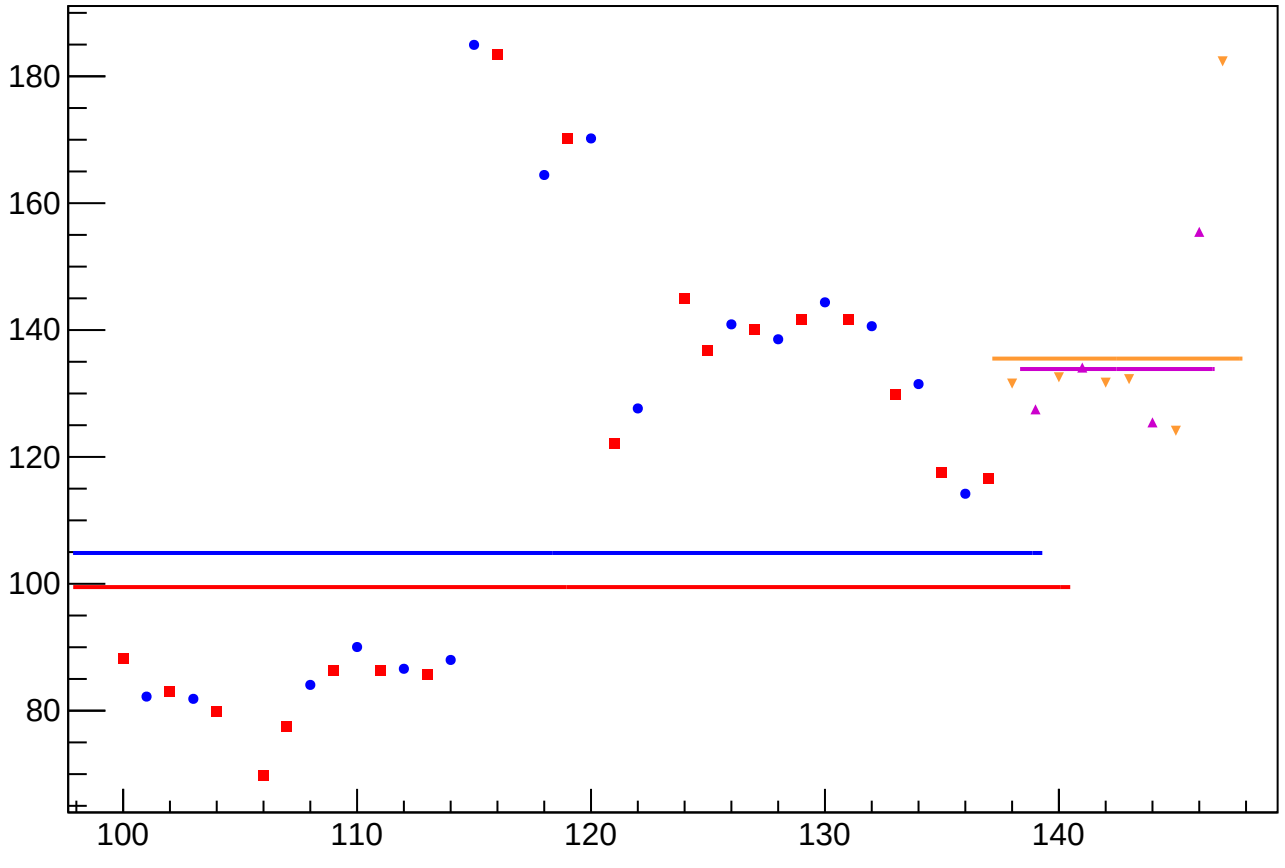
Left: 138.461+/-47.811 χ^2/NDF: 13.5/9

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 28.223+/-35.151 χ^2/NDF:23.2/19

Out: 102.786+/-32.649 χ^2/NDF:27.9/24

All: 68.252+/-23.922 χ^2/NDF: 53.5/44



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 135.502+/-0.045 χ^2/NDF:126523.1/5

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 133.858+/-0.051 χ^2/NDF:46827.3/3

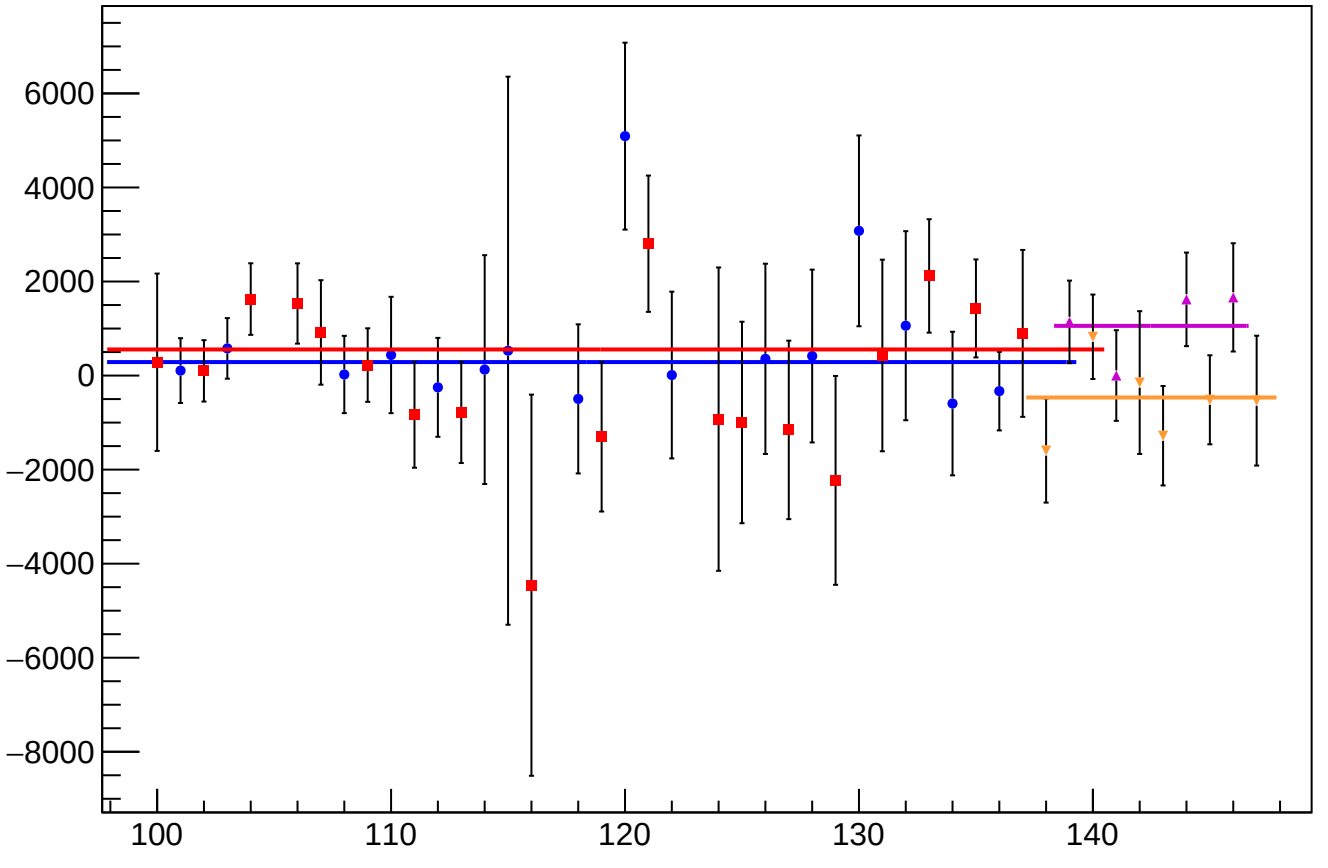
Left: 134.768+/-0.034 χ^2/NDF: 173934.8/9

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 111.854+/-0.025 χ^2/NDF:1227162.4/19

Out: 108.785+/-0.023 χ^2/NDF:1633997.3/24

All: 110.206+/-0.017 χ^2/NDF: 2869343.7/44



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -466.410+/-446.131 χ^2/NDF:3.7/5

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 1056.934+/-491.510 χ^2/NDF:1.8/3

Left: 221.709+/-330.343 χ^2/NDF: 10.8/9

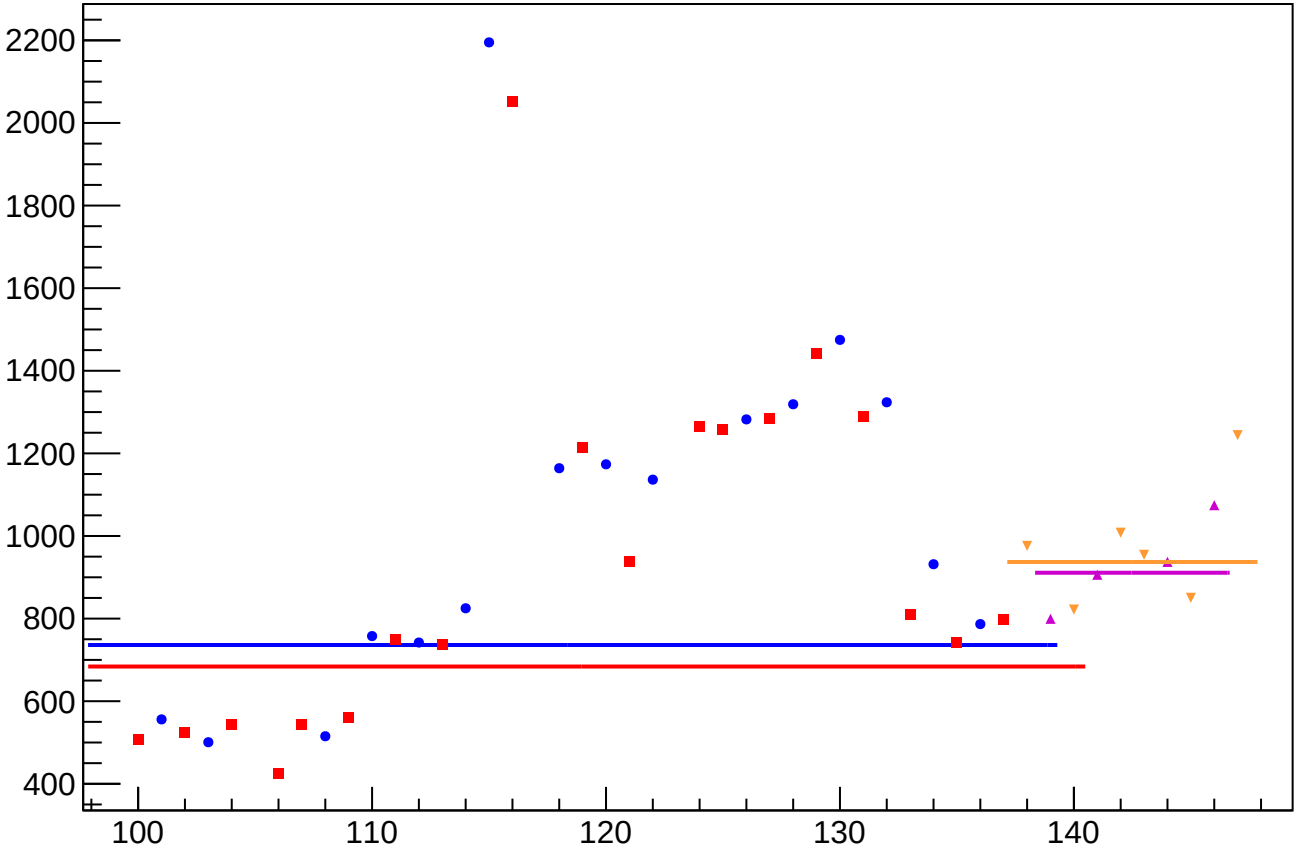
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 489.289+/-251.975 χ^2/NDF:13.3/19

Out: 281.568+/-230.962 χ^2/NDF:25.6/24

All: 376.407+/-170.260 χ^2/NDF: 39.3/44

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 937.005+/-0.315 χ^2/NDF:156015.3/5

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 911.019+/-0.348 χ^2/NDF:74074.8/3

Left: 925.267+/-0.234 χ^2/NDF: 233155.2/9

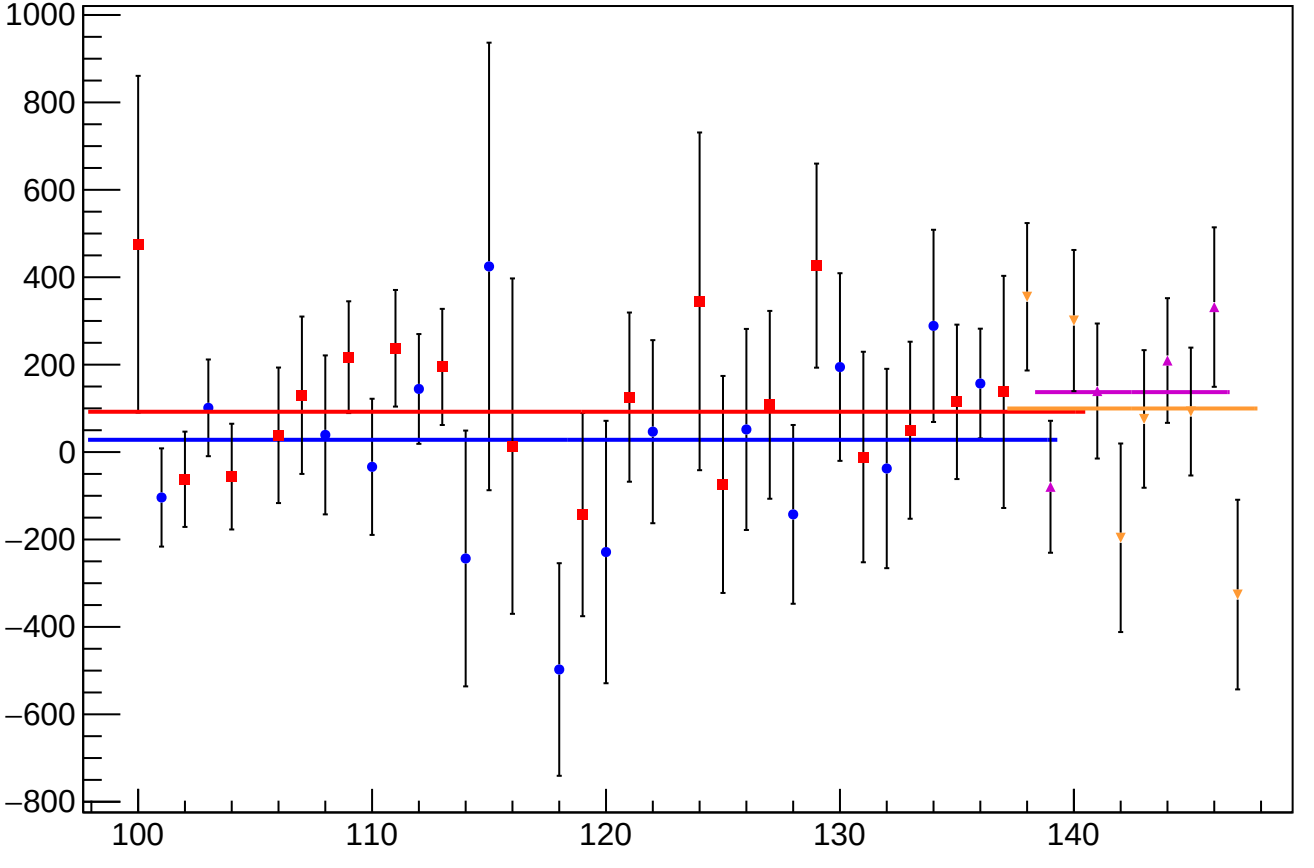
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 782.059+/-0.178 χ^2/NDF:2105339.8/19

Out: 751.795+/-0.163 χ^2/NDF:2477323.6/24

All: 765.612+/-0.120 χ^2/NDF: 4598342.6/44

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 99.721+/-70.131 χ^2/NDF:9.6/5

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 137.168+/-77.850 χ^2/NDF:3.5/3

Left: 116.496+/-52.106 χ^2/NDF: 13.2/9

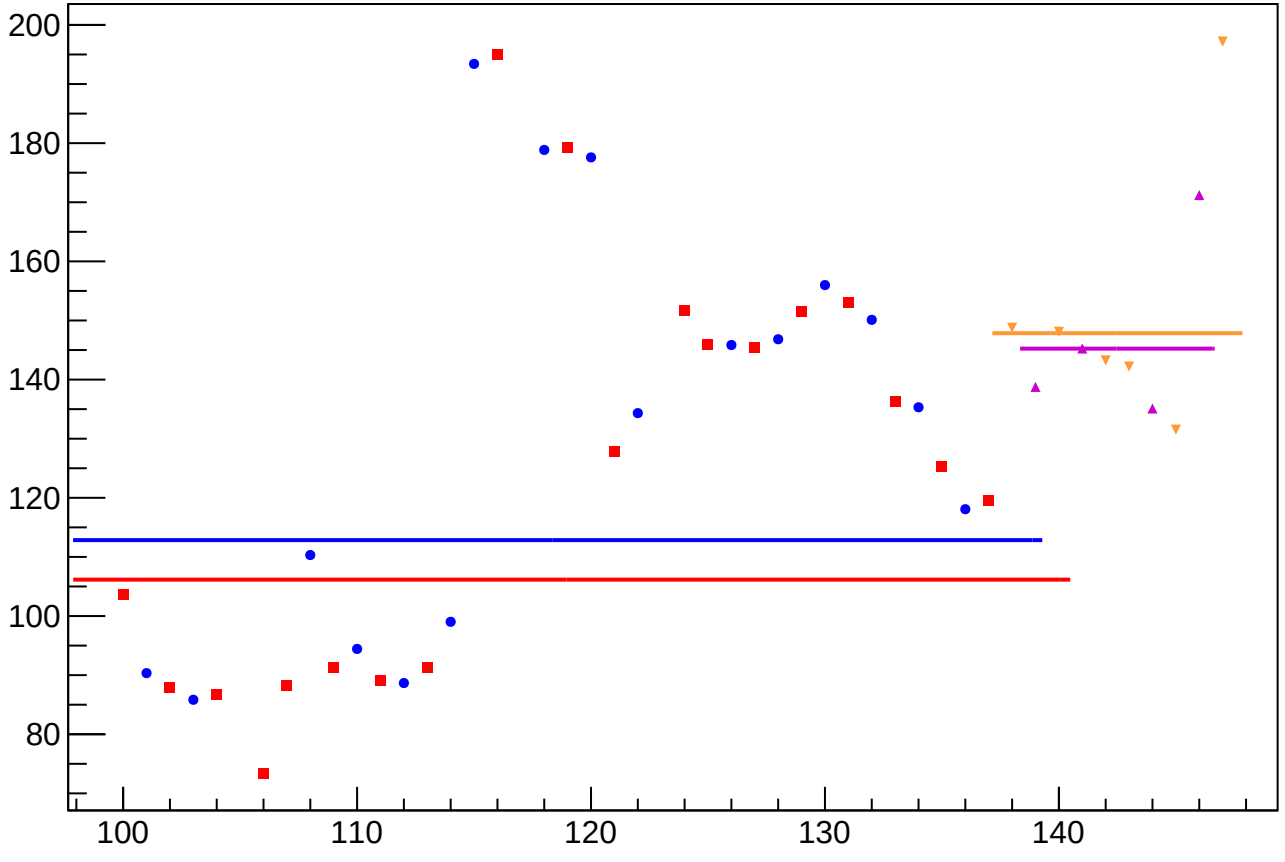
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 53.990+/-37.933 χ^2/NDF:18.5/19

Out: 94.119+/-35.097 χ^2/NDF:21.3/24

All: 75.611+/-25.762 χ^2/NDF: 40.4/44

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 147.853+/-0.050 χ^2/NDF:131869.4/5

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 145.238+/-0.055 χ^2/NDF:54306.3/3

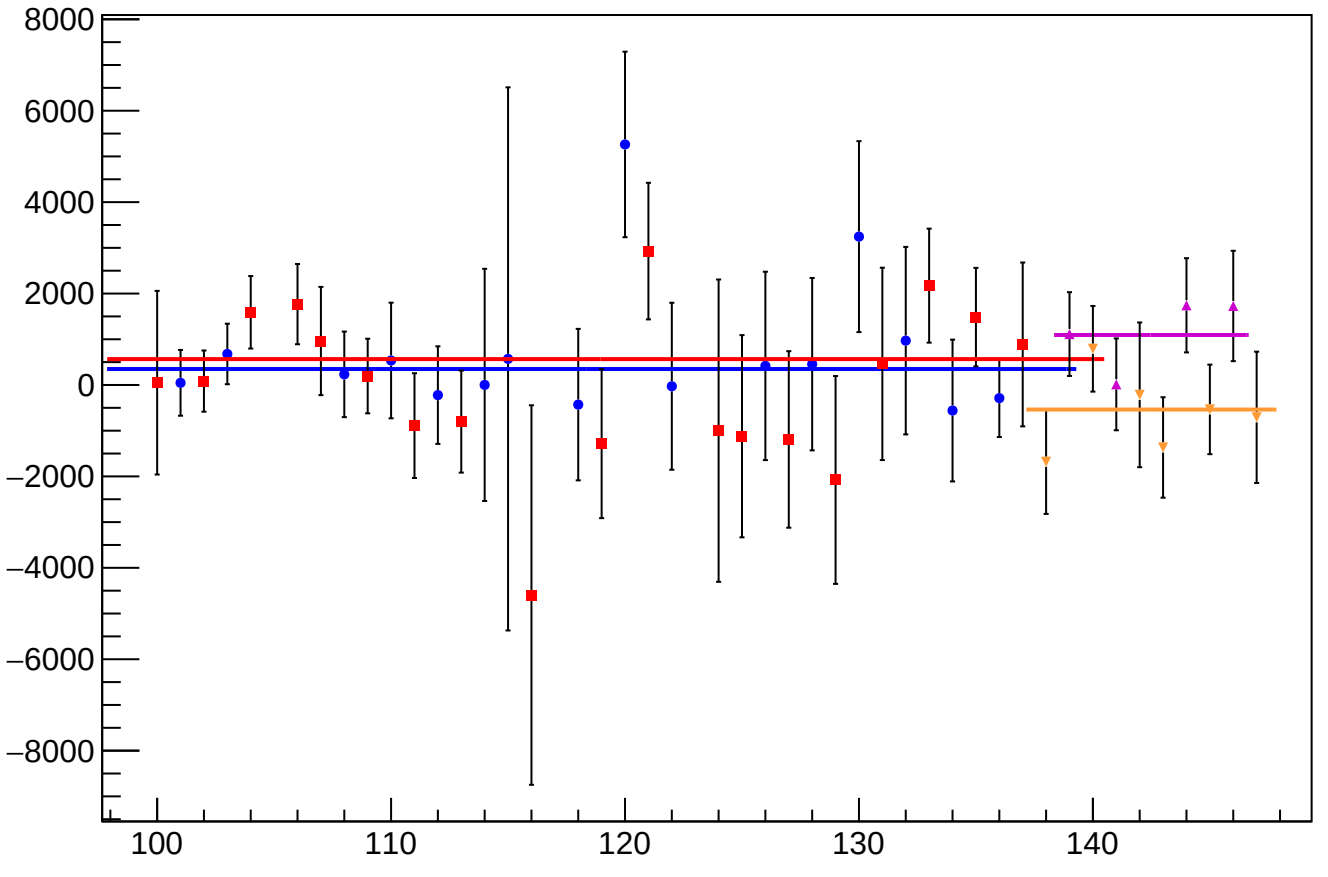
Left: 146.682+/-0.037 χ^2/NDF: 187421.7/9

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 120.534+/-0.027 χ^2/NDF:1190631.0/19

Out: 116.601+/-0.025 χ^2/NDF:1663890.8/24

All: 118.415+/-0.018 χ^2/NDF: 2866105.4/44



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -537.632+/-463.155 χ^2/NDF:3.6/5

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 1093.859+/-512.424 χ^2/NDF:1.8/3

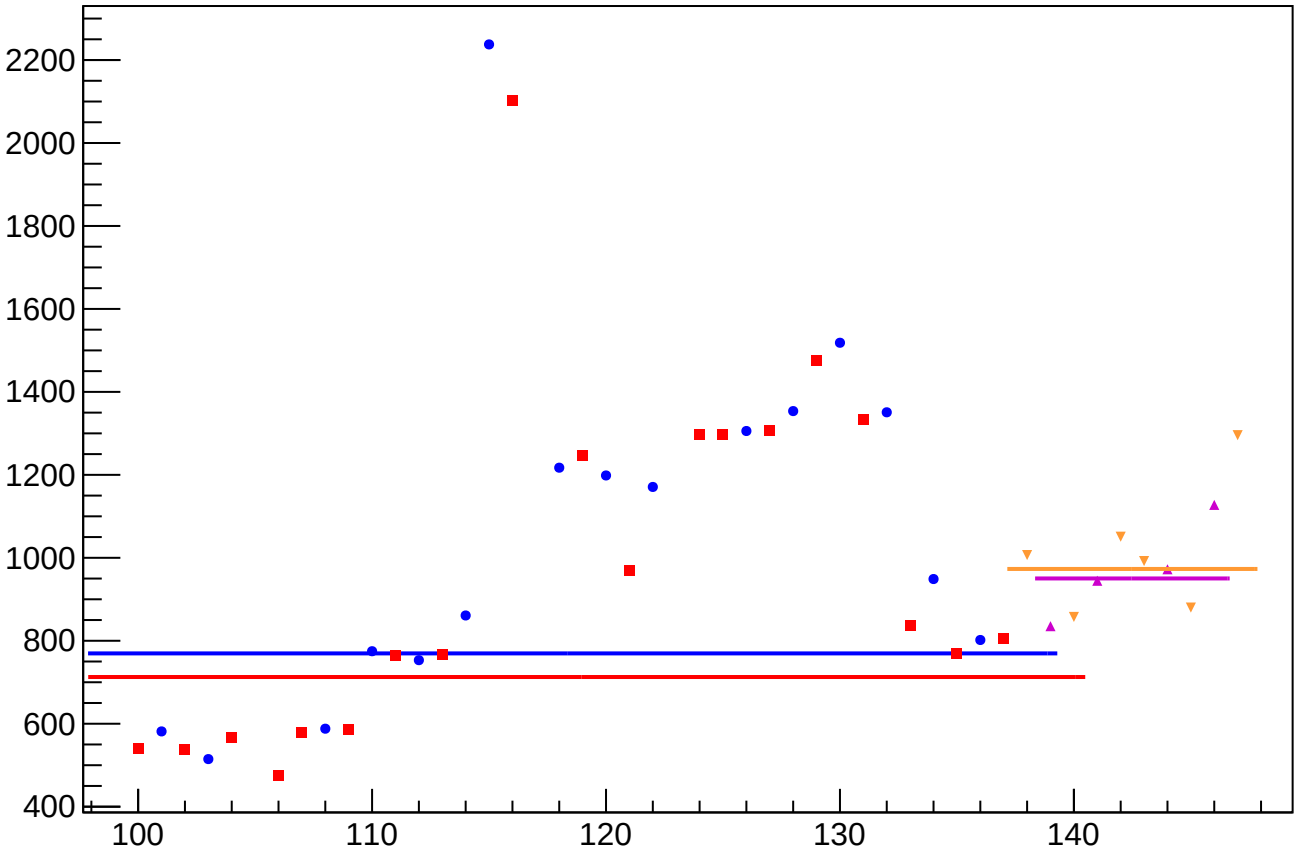
Left: 195.929+/-343.602 χ^2/NDF: 11.0/9

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 544.246+/-262.296 χ^2/NDF:13.2/19

Out: 271.832+/-239.125 χ^2/NDF:26.1/24

All: 395.478+/-176.712 χ^2/NDF: 39.9/44



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 973.153+/-0.327 χ^2/NDF:156591.2/5

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 950.230+/-0.362 χ^2/NDF:75665.0/3

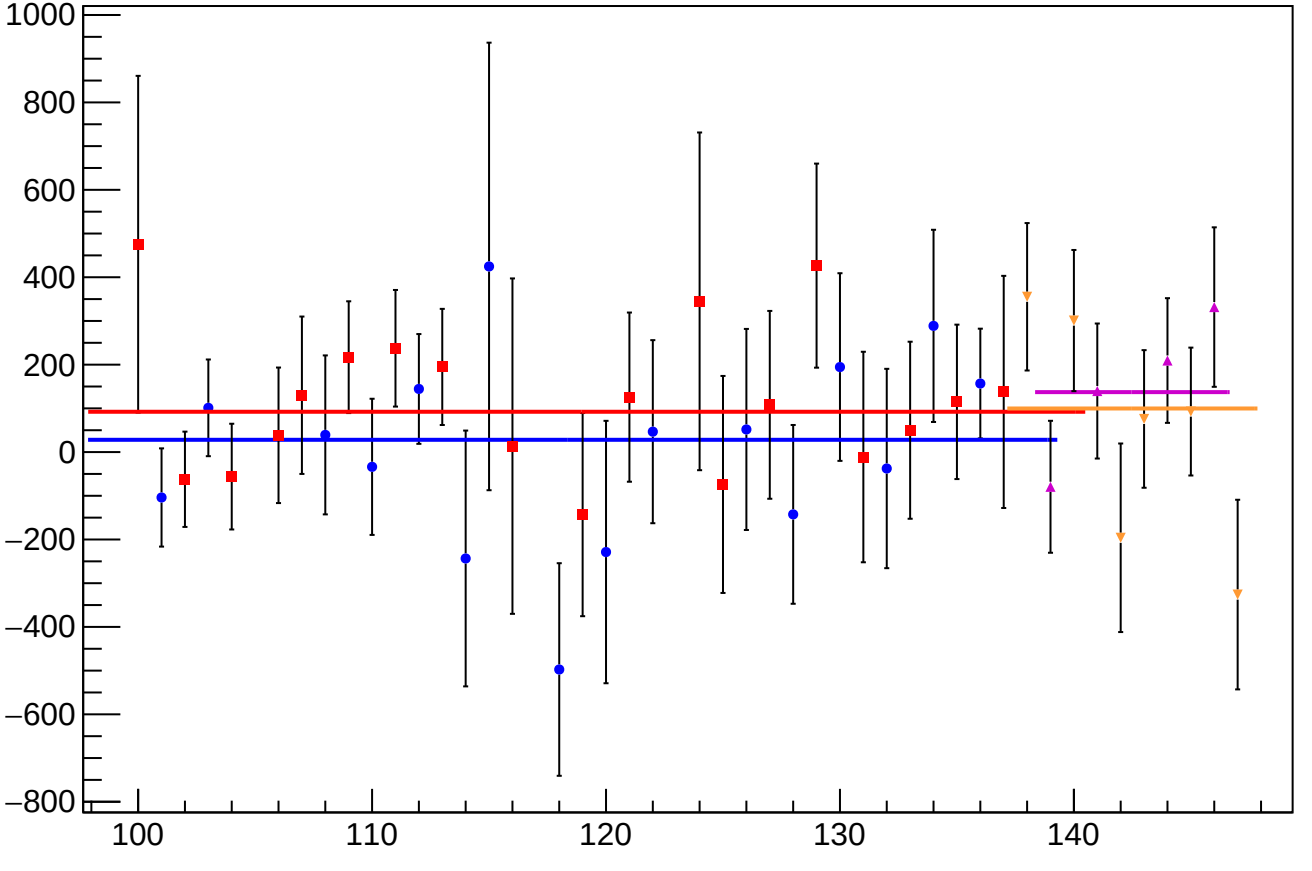
Left: 962.846+/-0.243 χ^2/NDF: 234458.9/9

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 816.896+/-0.185 χ^2/NDF:1999089.5/19

Out: 782.074+/-0.169 χ^2/NDF:2387945.0/24

All: 797.880+/-0.125 χ^2/NDF: 4406284.2/44



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 99.722+/-70.131 χ^2/NDF:9.6/5

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 137.169+/-77.851 χ^2/NDF:3.5/3

Left: 116.498+/-52.106 χ^2/NDF: 13.2/9

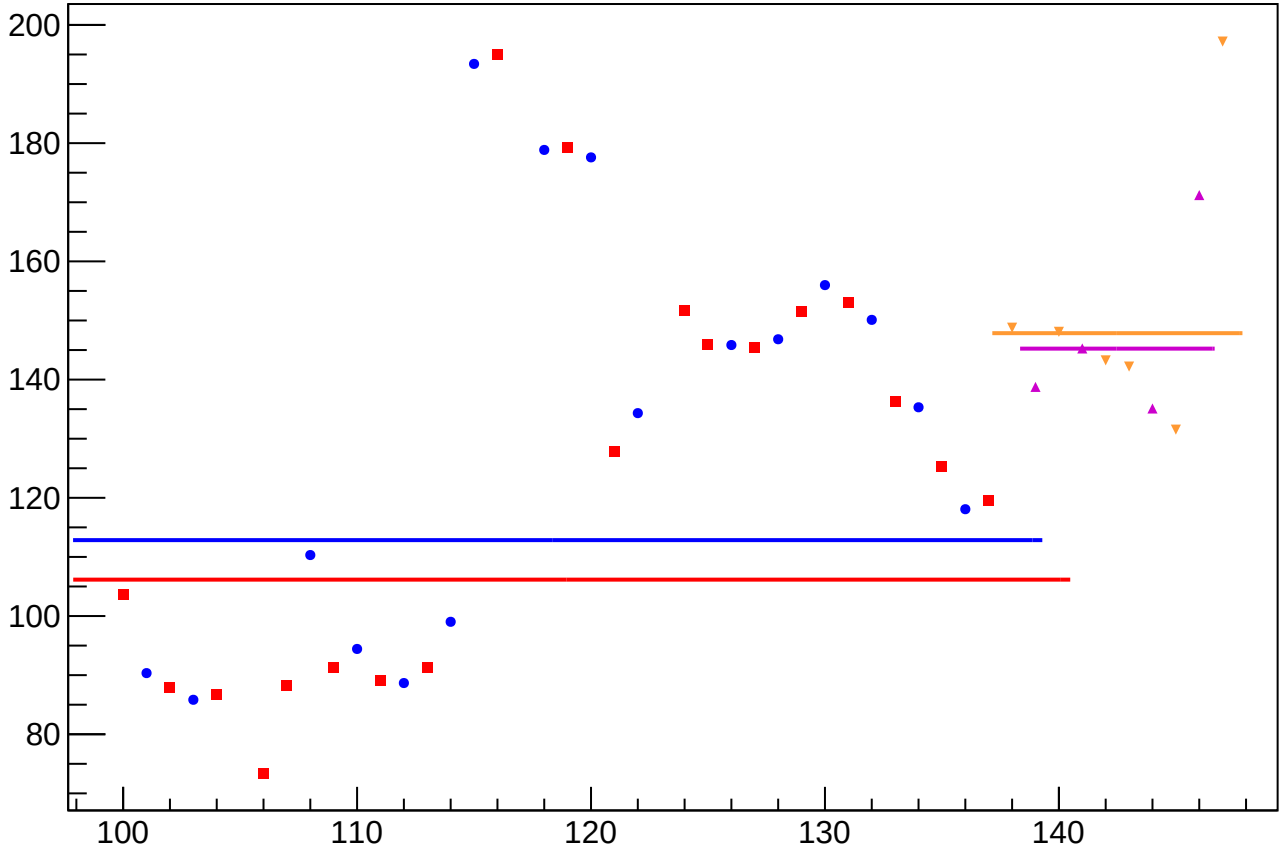
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 53.990+/-37.933 χ^2/NDF:18.5/19

Out: 94.119+/-35.097 χ^2/NDF:21.3/24

All: 75.611+/-25.762 χ^2/NDF: 40.4/44

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 147.854+/-0.050 χ^2/NDF:131872.5/5

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 145.239+/-0.055 χ^2/NDF:54307.4/3

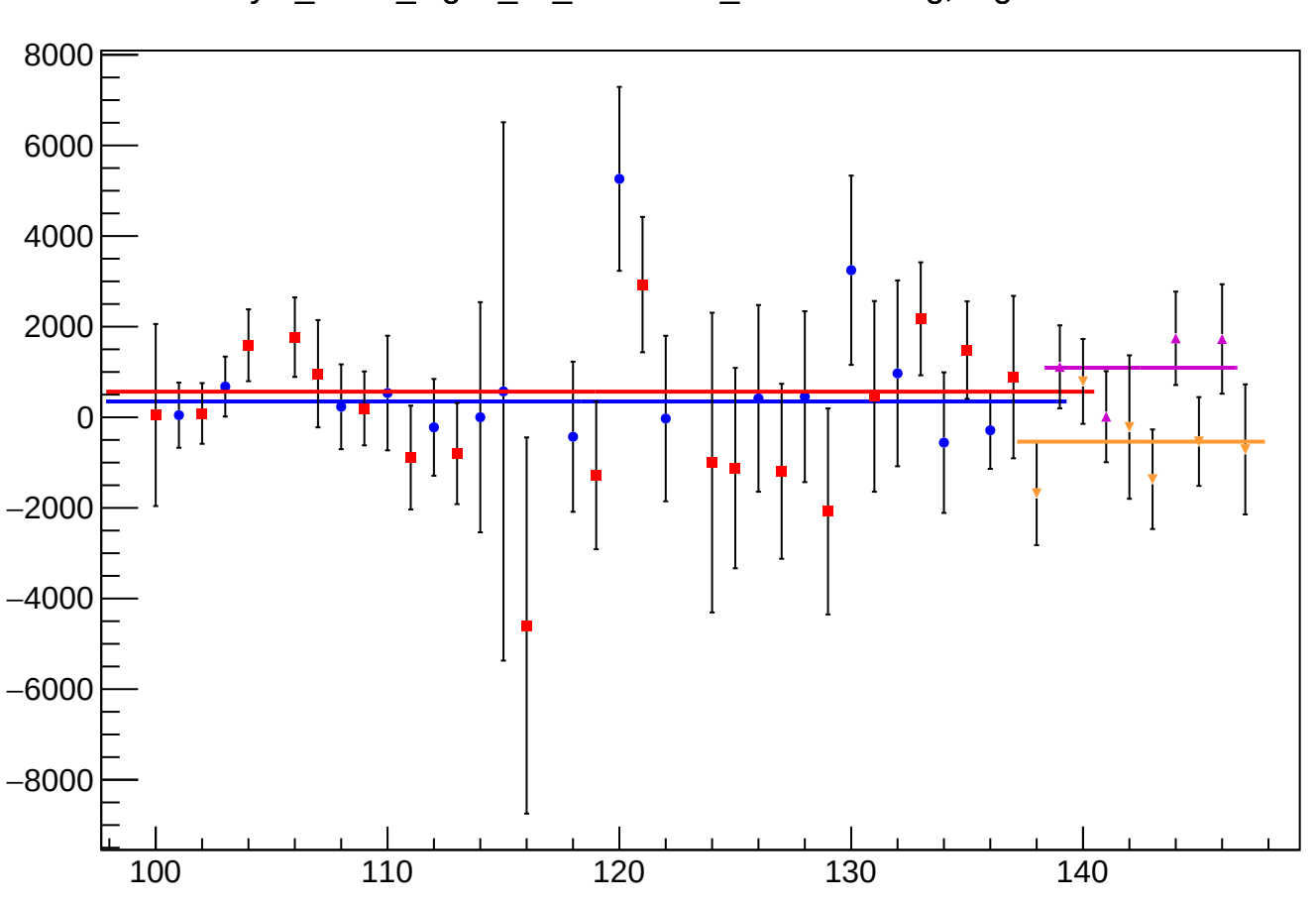
Left: 146.682+/-0.037 χ^2/NDF: 187425.5/9

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 120.534+/-0.027 χ^2/NDF:1190638.9/19

Out: 116.601+/-0.025 χ^2/NDF:1663894.6/24

All: 118.415+/-0.018 χ^2/NDF: 2866117.0/44



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -537.632+/-463.156 χ^2/NDF:3.6/5

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 1093.863+/-512.425 χ^2/NDF:1.8/3

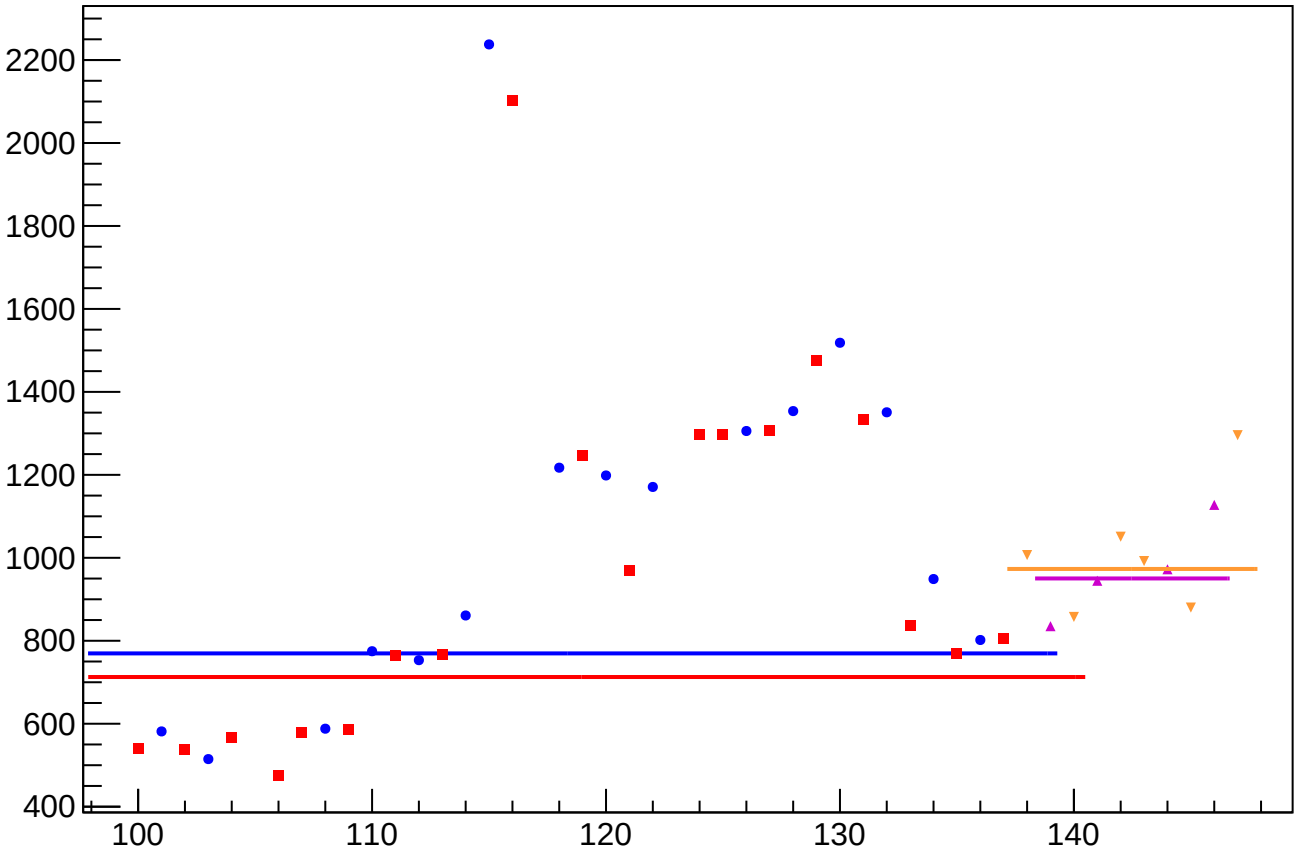
Left: 195.930+/-343.602 χ^2/NDF: 11.0/9

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 544.245+/-262.295 χ^2/NDF:13.2/19

Out: 271.834+/-239.125 χ^2/NDF:26.1/24

All: 395.478+/-176.712 χ^2/NDF: 39.9/44



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 973.154+/-0.328 χ^2/NDF:156591.3/5

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 950.232+/-0.362 χ^2/NDF:75664.9/3

Left: 962.848+/-0.243 χ^2/NDF: 234458.8/9

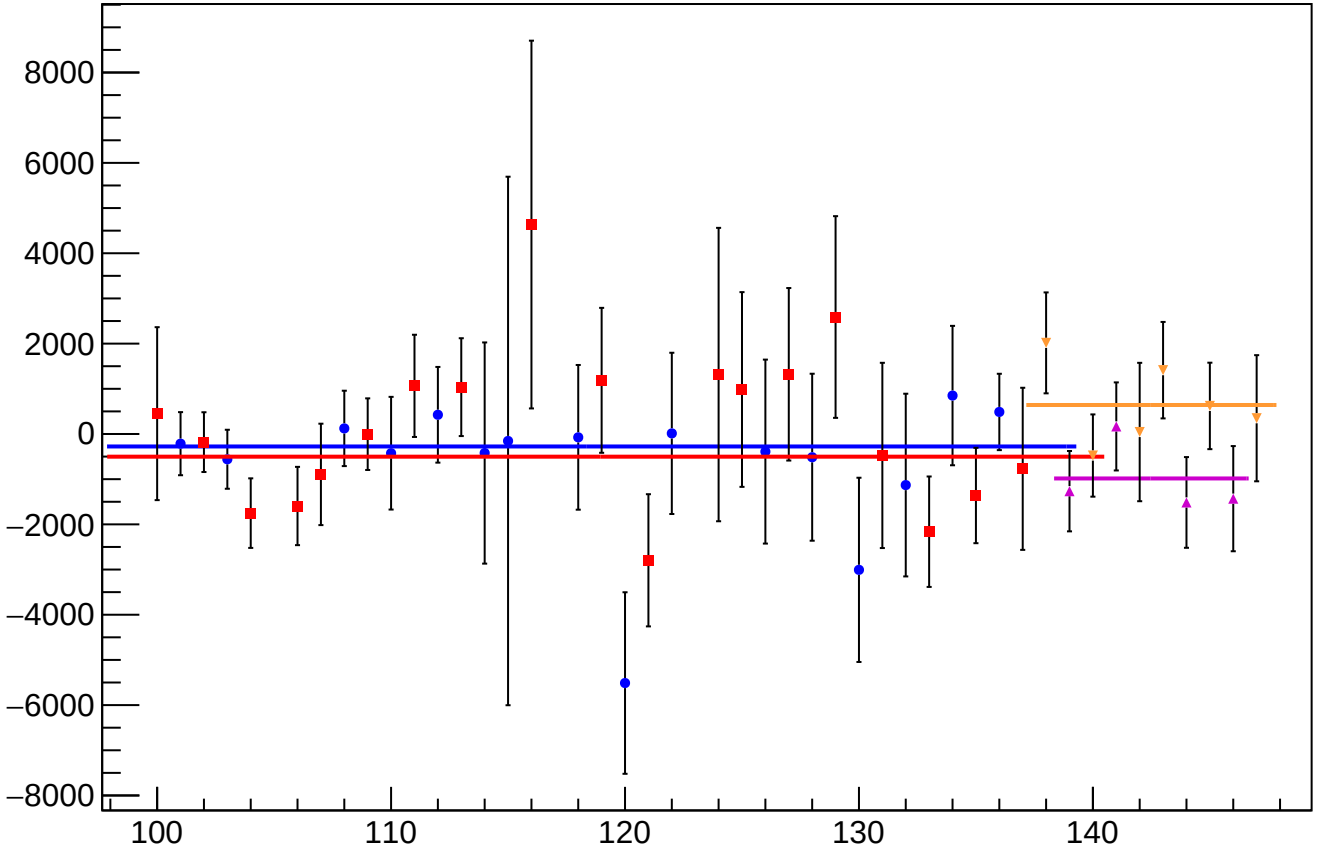
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 816.895+/-0.185 χ^2/NDF:1999092.2/19

Out: 782.074+/-0.169 χ^2/NDF:2387947.1/24

All: 797.879+/-0.125 χ^2/NDF: 4406289.1/44

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 641.775+/-450.904 χ^2/NDF:3.7/5

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -984.124+/-496.998 χ^2/NDF:1.9/3

Left: -92.298+/-333.947 χ^2/NDF: 11.5/9

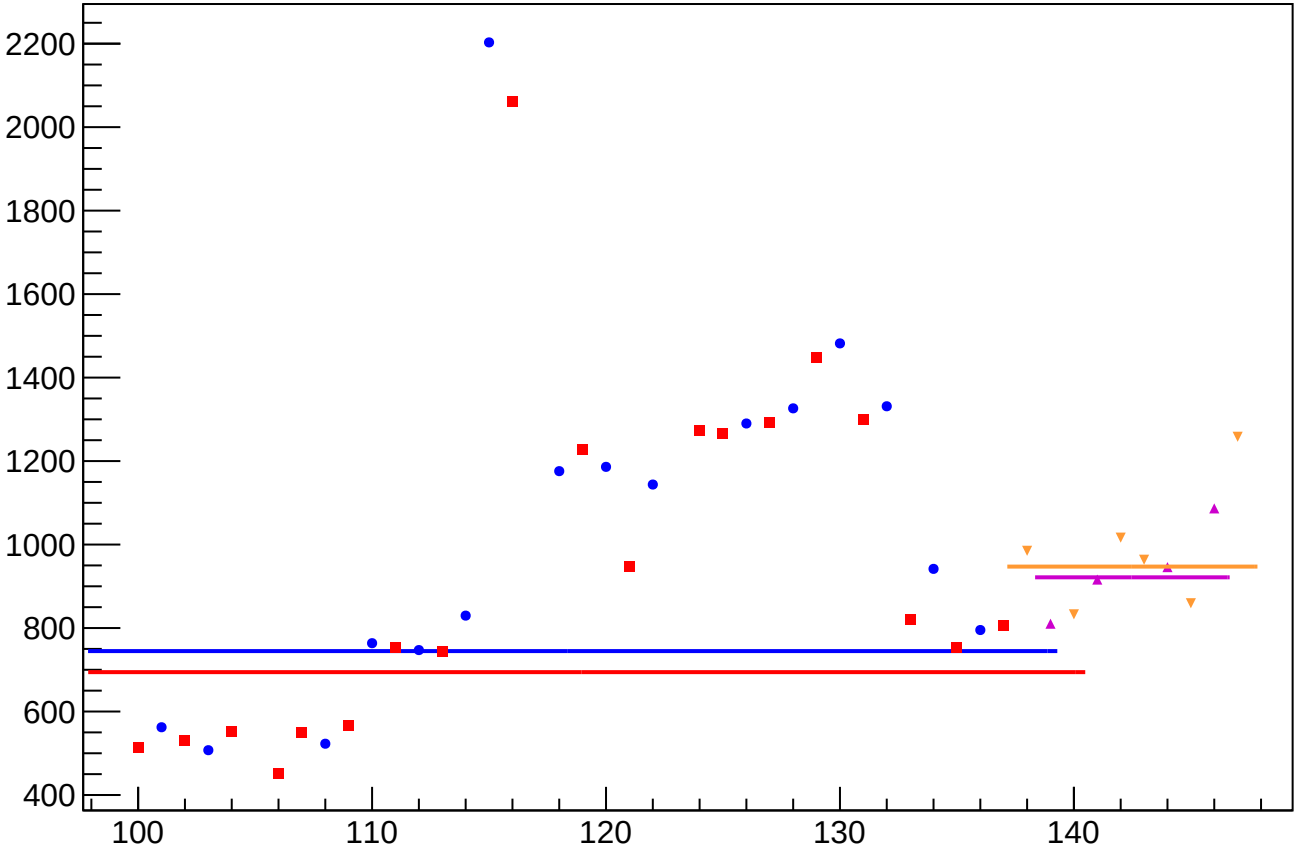
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -462.213+/-254.762 χ^2/NDF:14.5/19

Out: -195.197+/-233.526 χ^2/NDF:28.9/24

All: -317.115+/-172.147 χ^2/NDF: 44.0/44

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 947.206+/-0.319 χ^2/NDF:154609.6/5

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 921.502+/-0.351 χ^2/NDF:72743.6/3

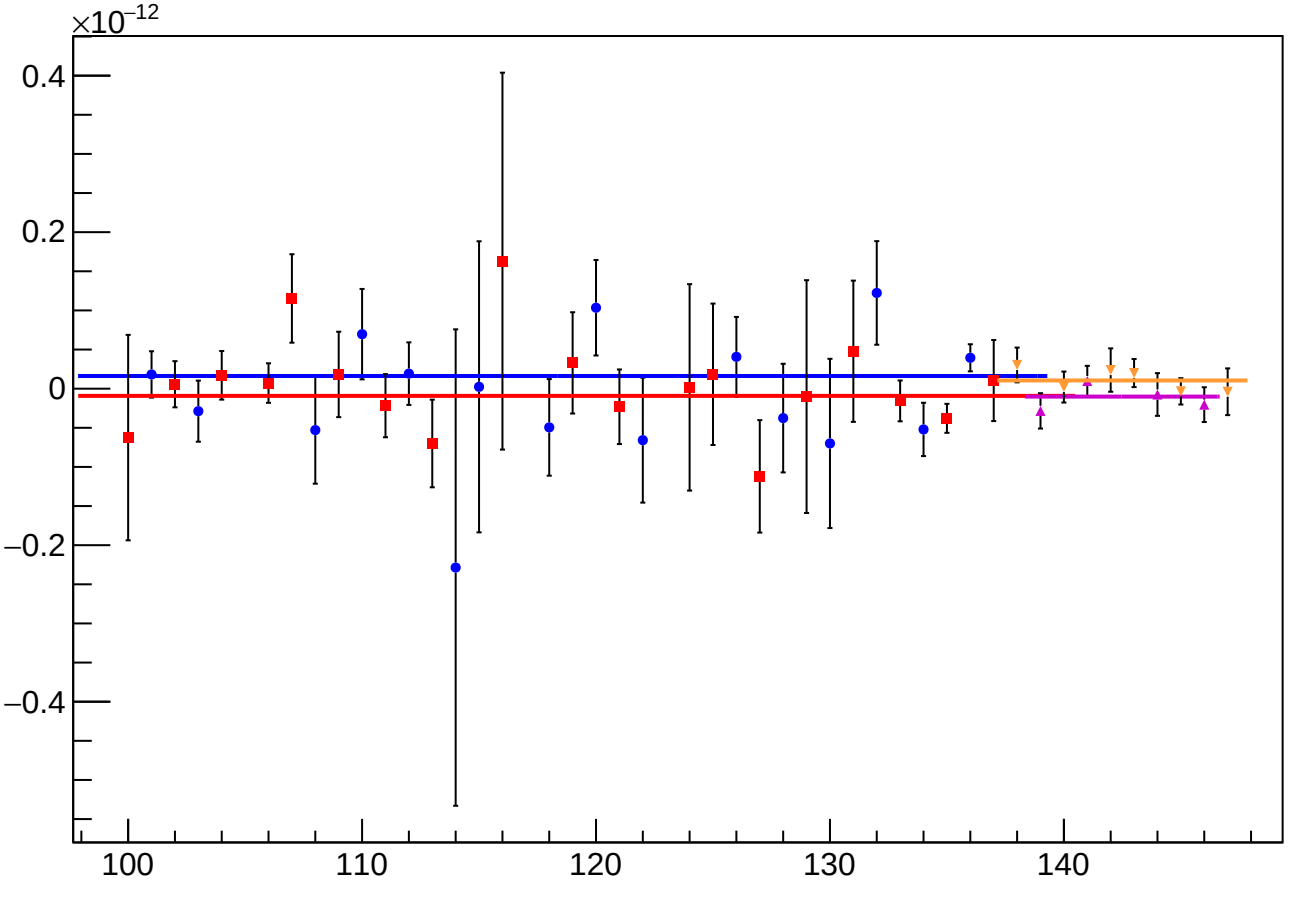
Left: 935.601+/-0.236 χ^2/NDF: 230287.8/9

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 791.217+/-0.180 χ^2/NDF:2081718.4/19

Out: 762.172+/-0.165 χ^2/NDF:2418598.8/24

All: 775.434+/-0.122 χ^2/NDF: 4514444.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/3

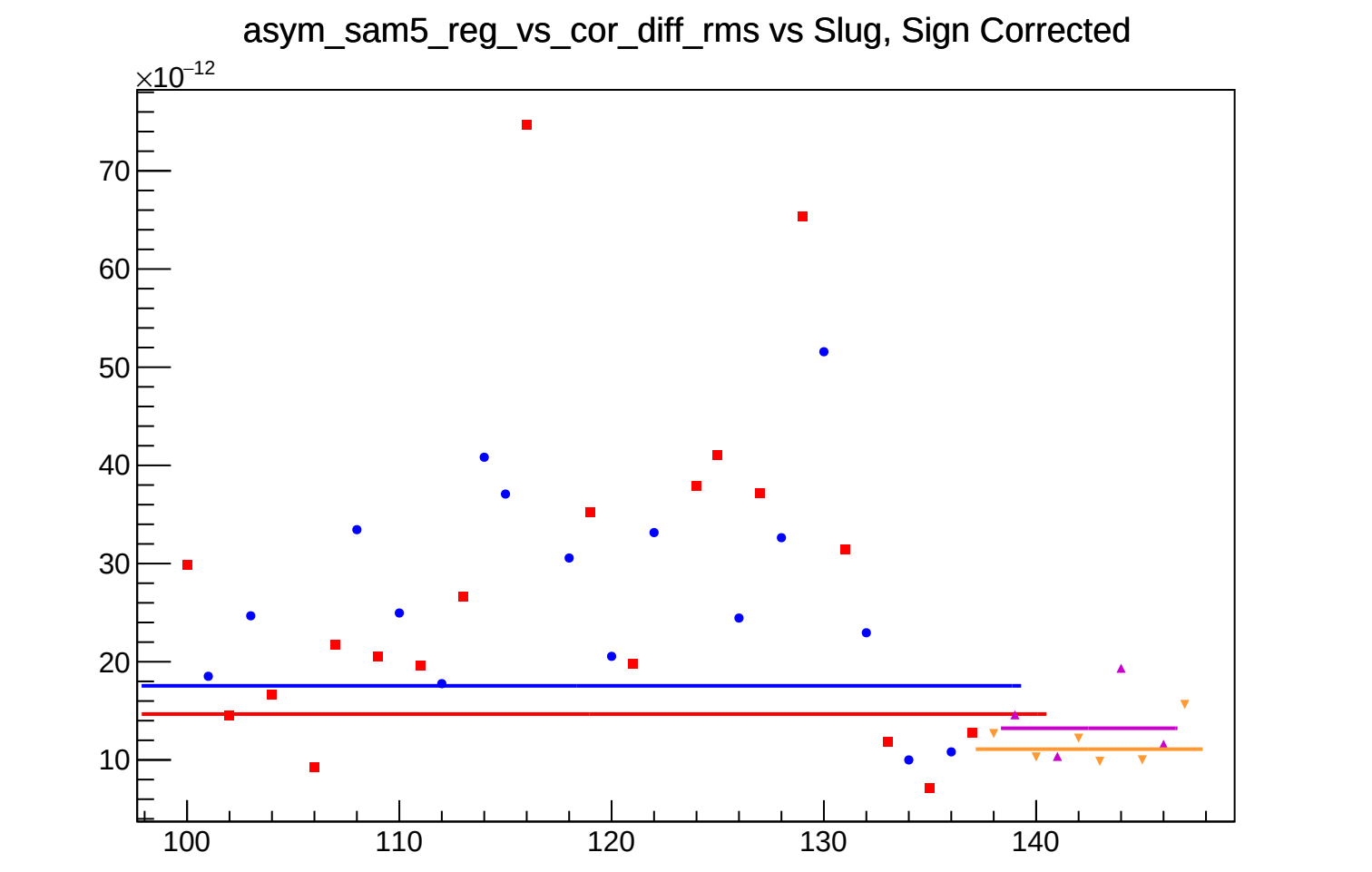
Left: 0.000+/-0.000 χ^2/NDF: 6.5/9

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:22.8/19

Out: 0.000+/-0.000 χ^2/NDF:18.9/24

All: 0.000+/-0.000 χ^2/NDF: 41.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:81095.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1741597.8/18

Left In: 0.000+/-0.000 χ^2/NDF:162168.9/3

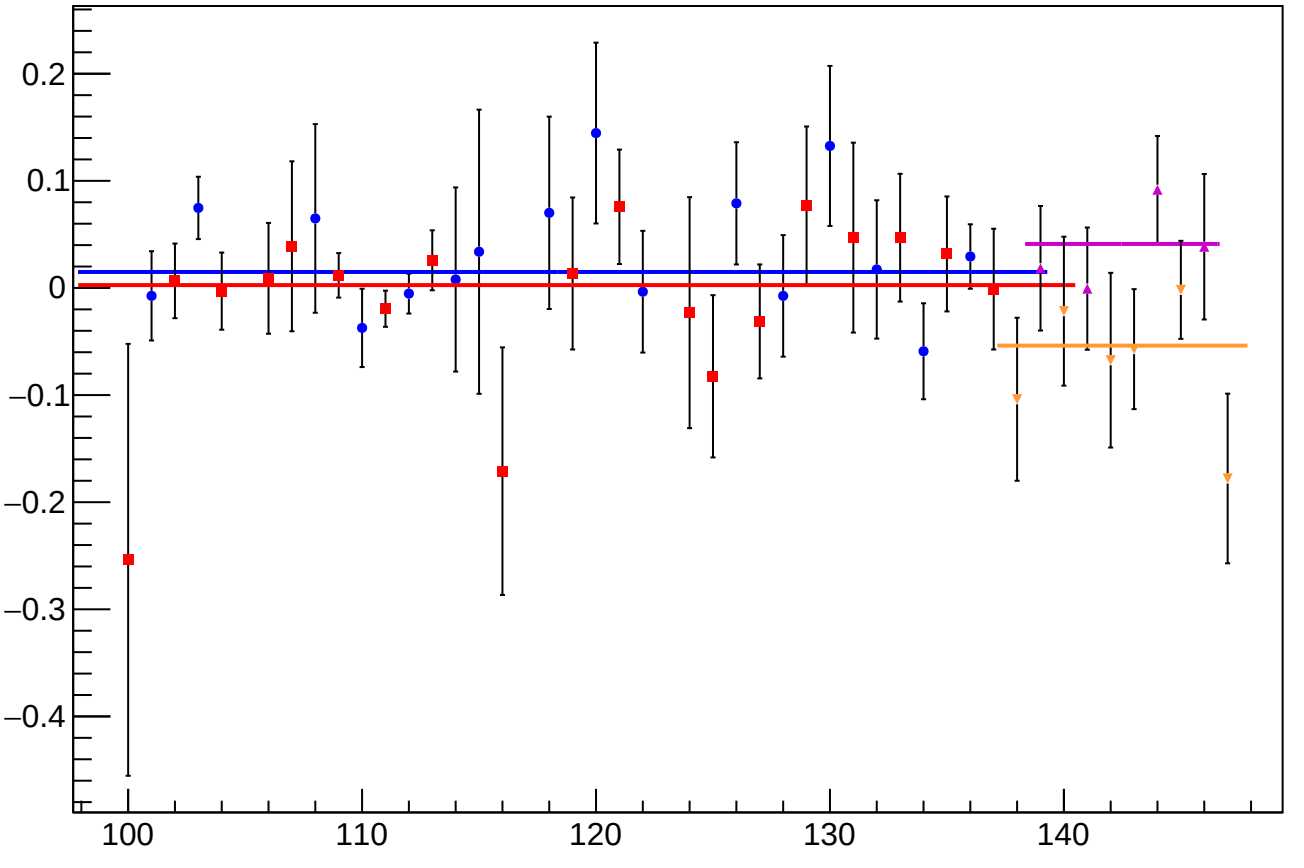
Left: 0.000+/-0.000 χ^2/NDF: 288832.0/9

Right: 0.000+/-0.000 χ^2/NDF: 2980076.4/34

In: 0.000+/-0.000 χ^2/NDF:1474863.2/19

Out: 0.000+/-0.000 χ^2/NDF:1981107.6/24

All: 0.000+/-0.000 χ^2/NDF: 3609025.4/44



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.041+/-0.029 χ^2/NDF:1.7/3

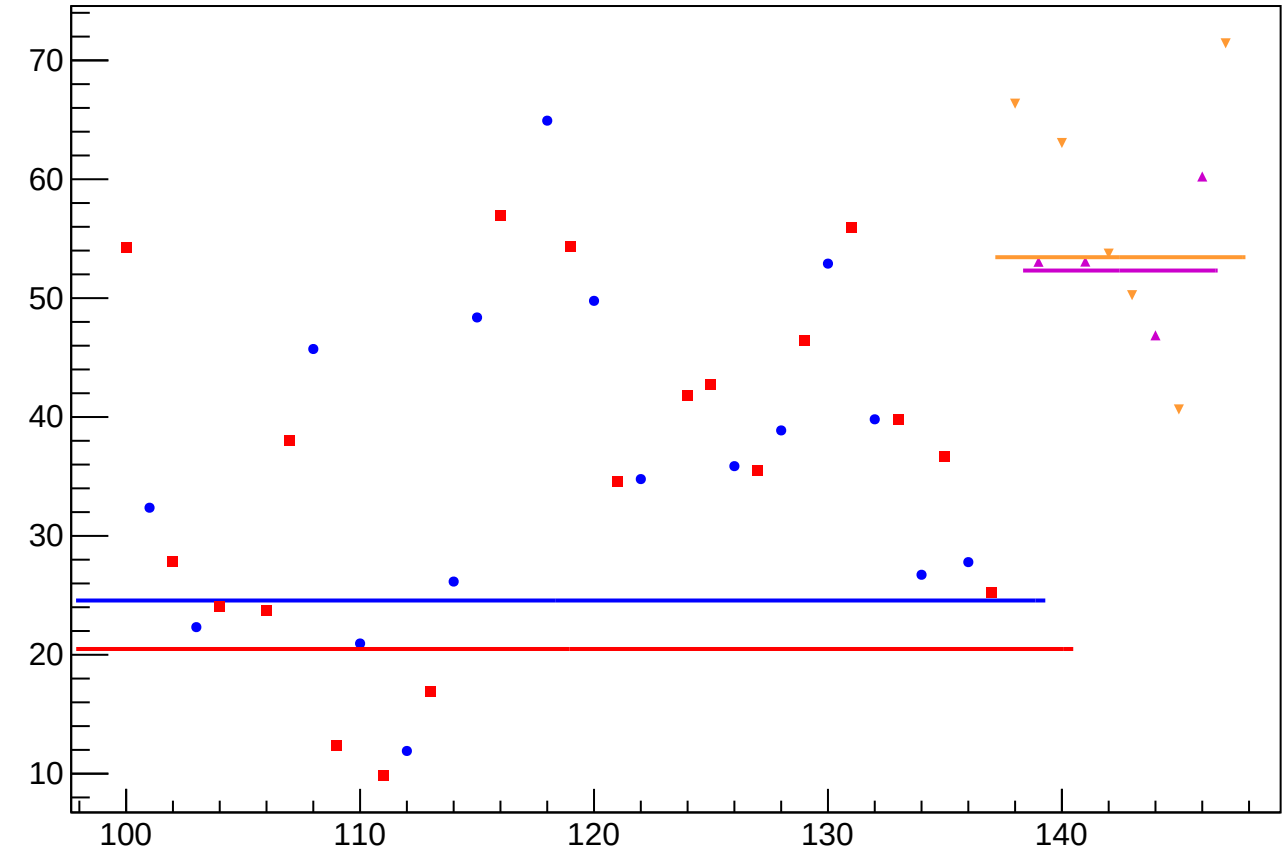
Left: -0.011+/-0.019 χ^2/NDF: 12.2/9

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.2/19

Out: -0.004+/-0.009 χ^2/NDF:21.1/24

All: 0.006+/-0.007 χ^2/NDF: 44.0/44



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362138.7/5

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.321+/-0.020 χ^2/NDF:51368.7/3

Left: 52.938+/-0.014 χ^2/NDF: 415191.7/9

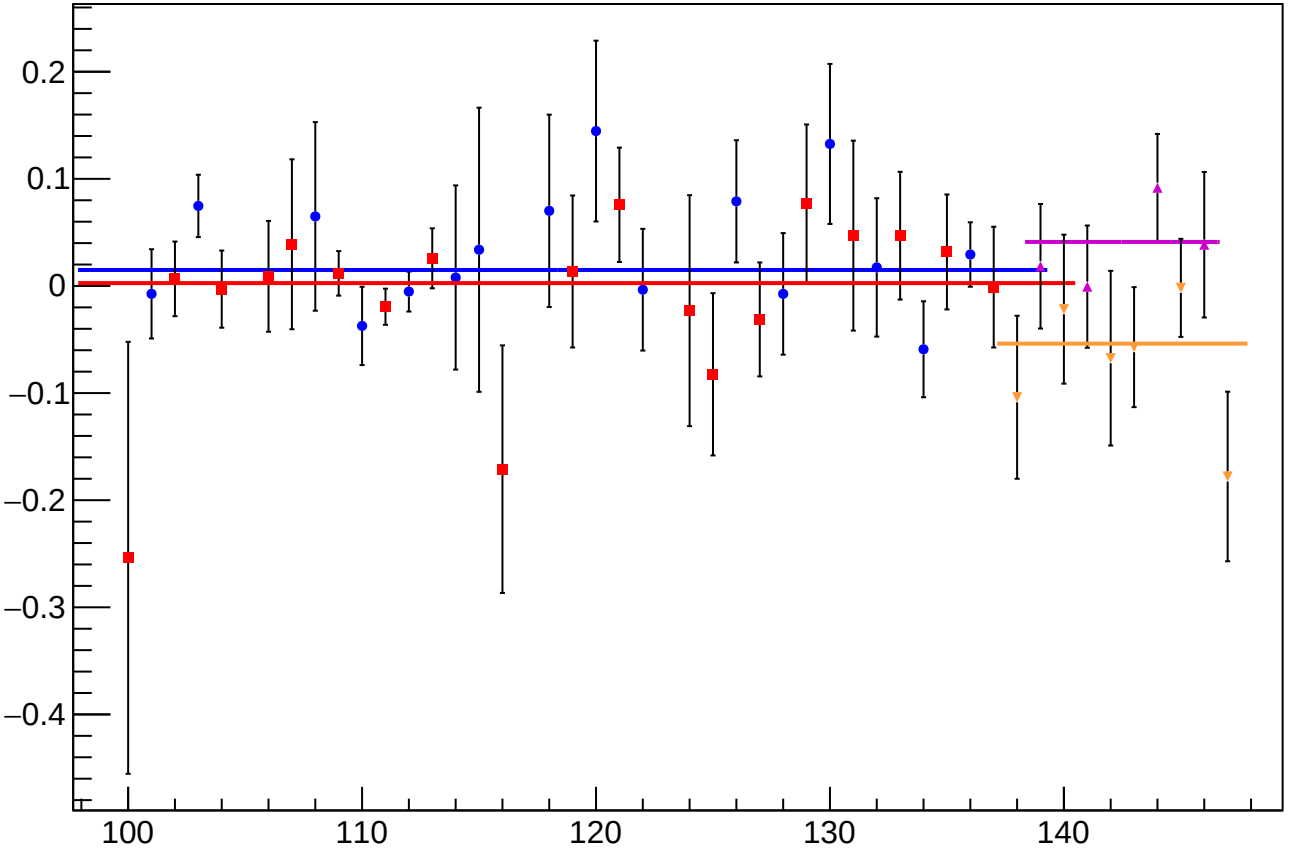
Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 27.897+/-0.007 χ^2/NDF:4185517.0/19

Out: 24.188+/-0.006 χ^2/NDF:6810917.8/24

All: 25.797+/-0.005 χ^2/NDF: 11154416.6/44

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.041+/-0.029 χ^2/NDF:1.7/3

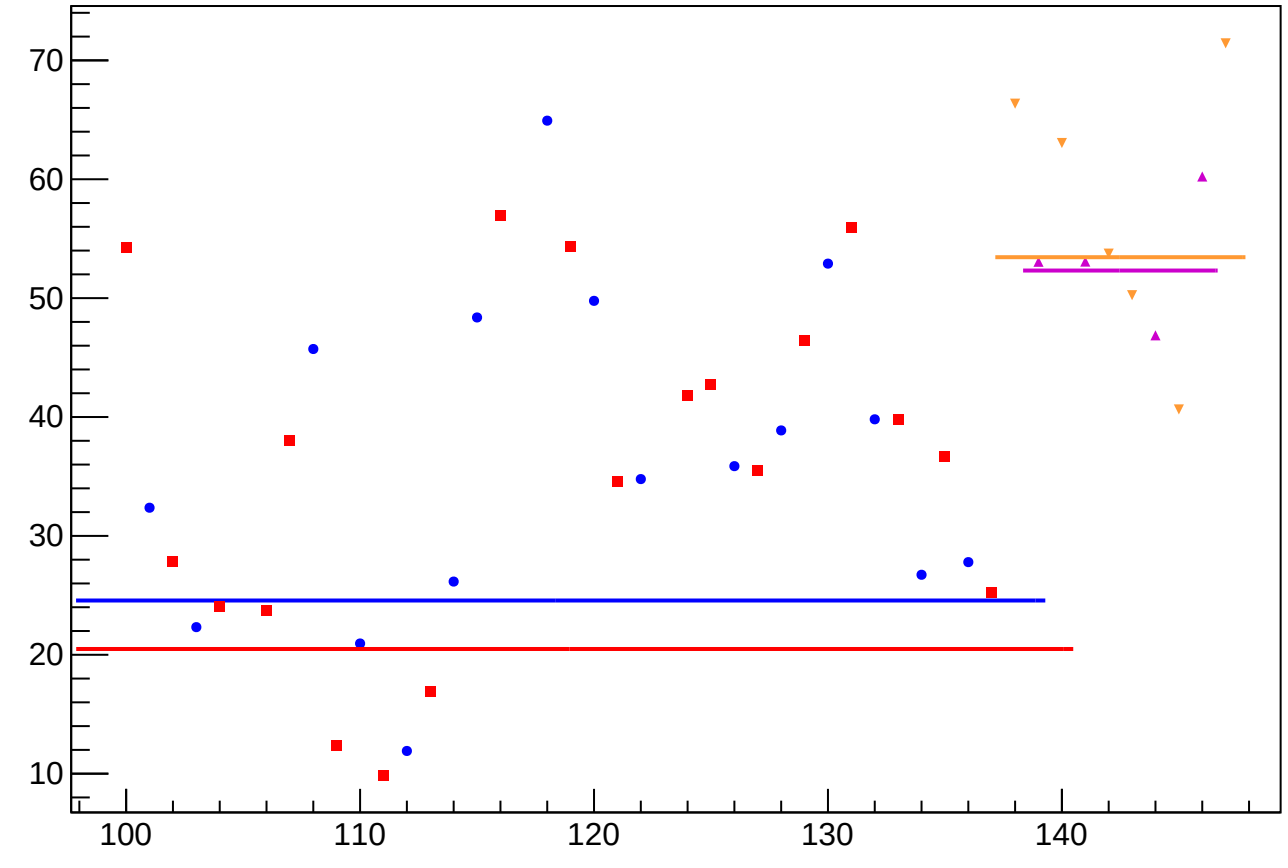
Left: -0.011+/-0.019 χ^2/NDF: 12.2/9

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.2/19

Out: -0.004+/-0.009 χ^2/NDF:21.1/24

All: 0.006+/-0.007 χ^2/NDF: 44.0/44



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362138.7/5

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.321+/-0.020 χ^2/NDF:51368.7/3

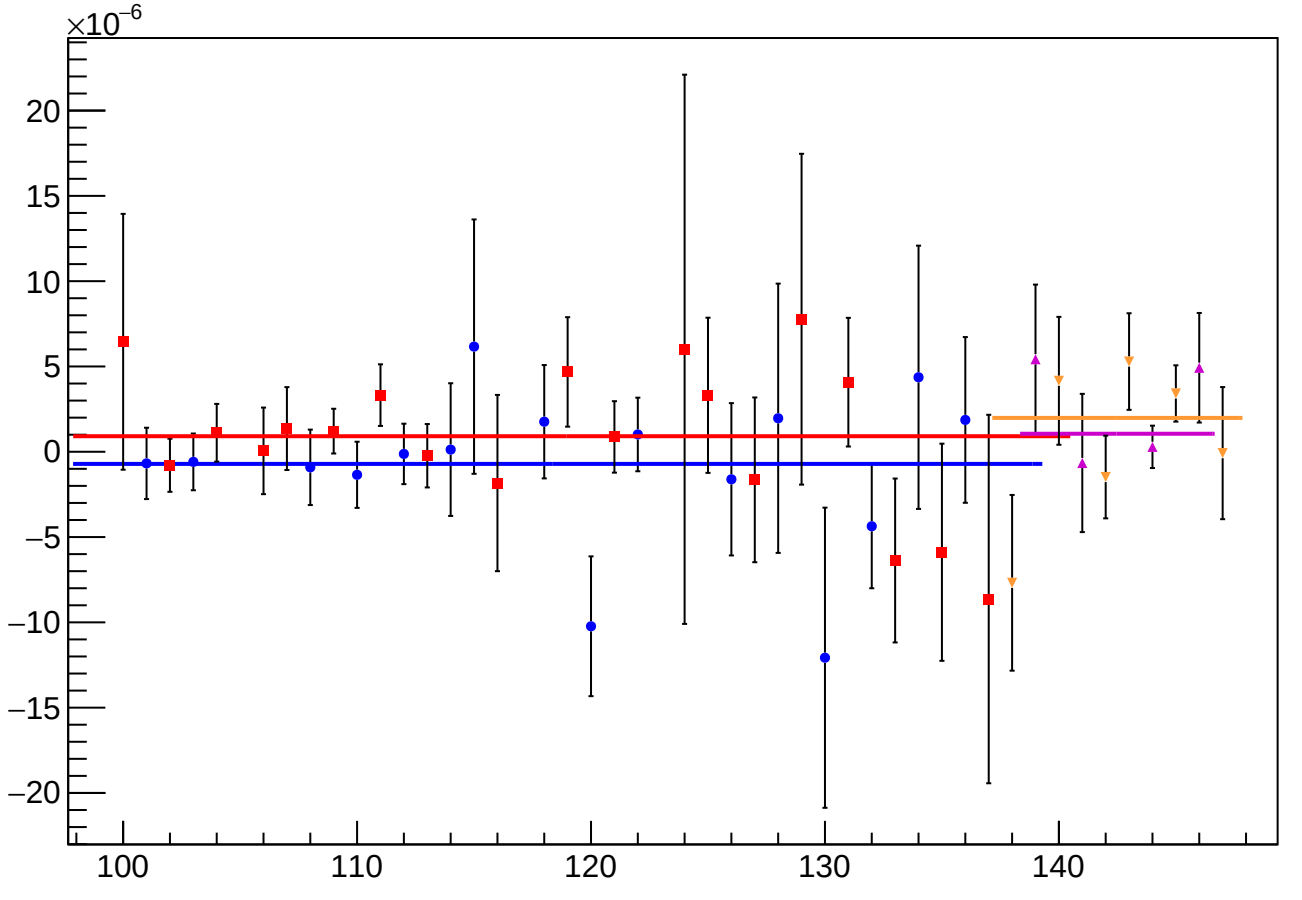
Left: 52.938+/-0.014 χ^2/NDF: 415191.7/9

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 27.897+/-0.007 χ^2/NDF:4185517.0/19

Out: 24.188+/-0.006 χ^2/NDF:6810917.8/24

All: 25.797+/-0.005 χ^2/NDF: 11154416.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/3

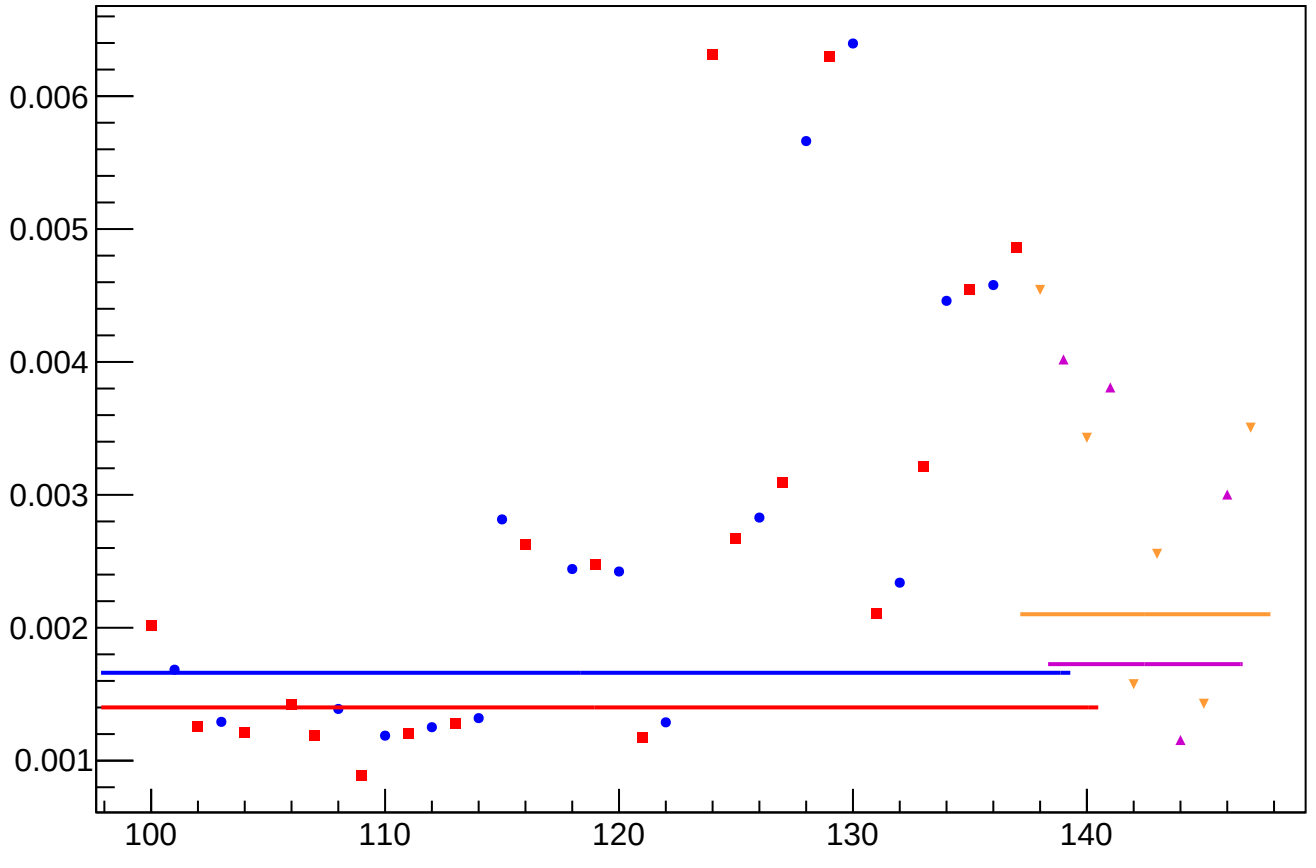
Left: 0.000+/-0.000 χ^2/NDF: 11.7/9

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:16.2/19

Out: 0.000+/-0.000 χ^2/NDF:20.9/24

All: 0.000+/-0.000 χ^2/NDF: 40.0/44



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1441957.0/5

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1815042.3/3

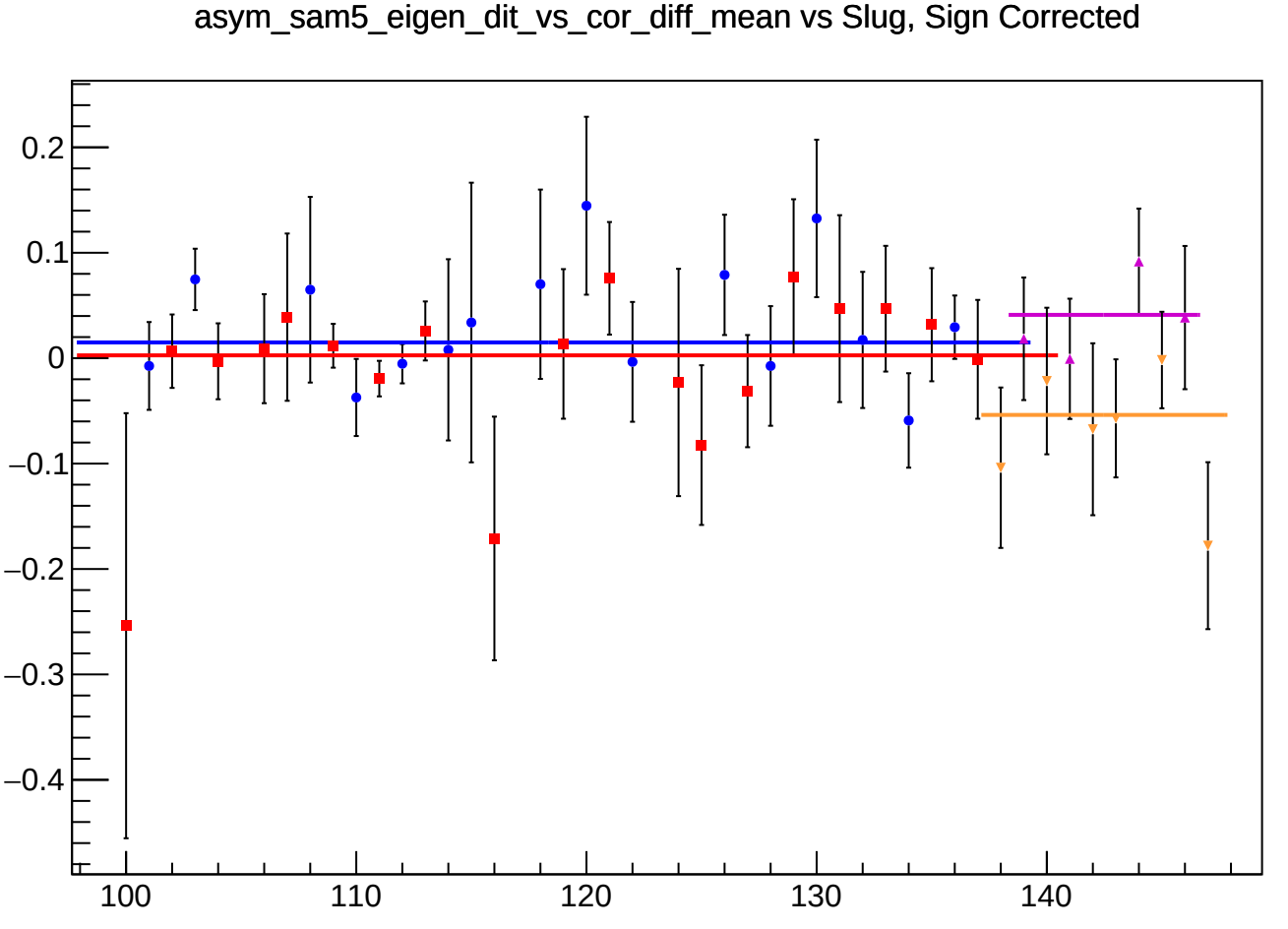
Left: 0.002+/-0.000 χ^2/NDF: 3376500.3/9

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:4762196.0/19

Out: 0.002+/-0.000 χ^2/NDF:4996266.0/24

All: 0.002+/-0.000 χ^2/NDF: 9807534.6/44



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.041+/-0.029 χ^2/NDF:1.7/3

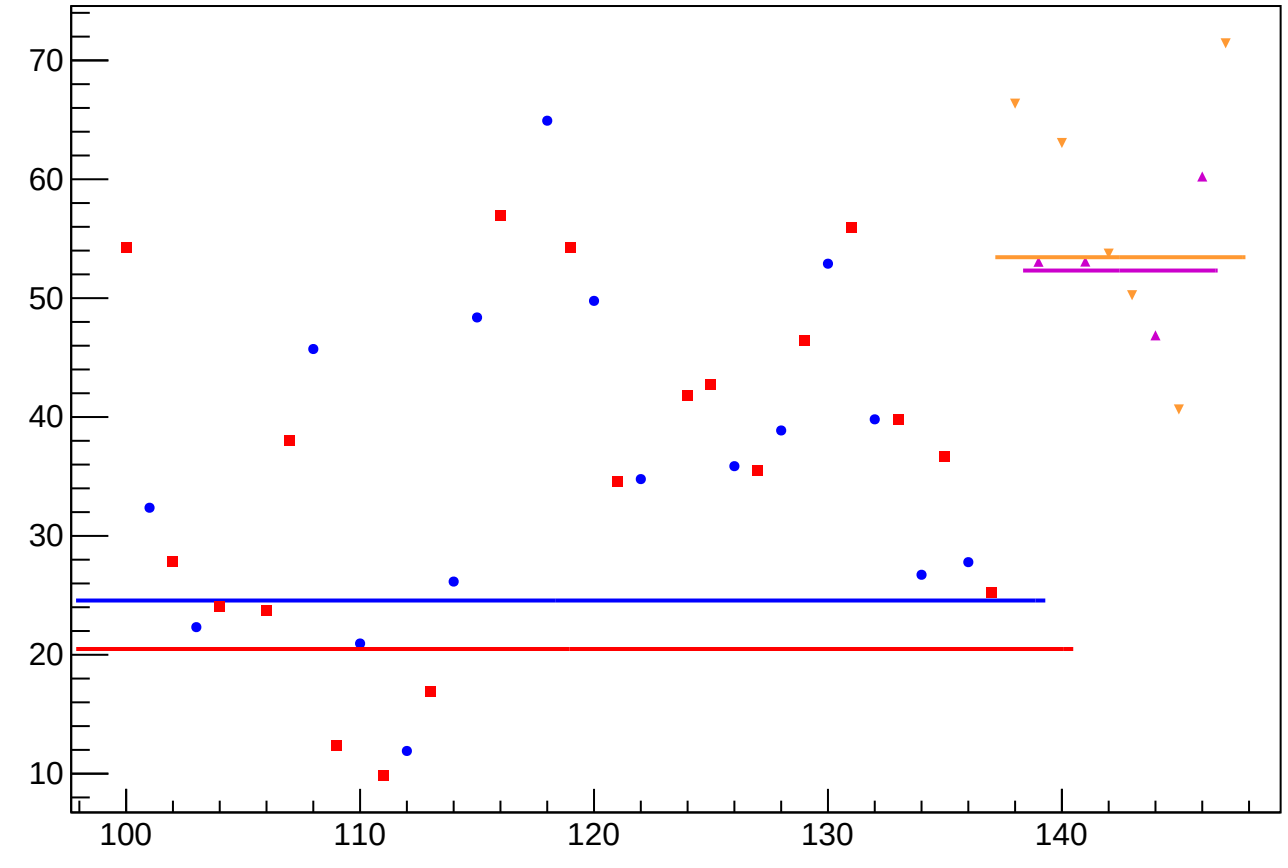
Left: -0.011+/-0.019 χ^2/NDF: 12.2/9

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.2/19

Out: -0.004+/-0.009 χ^2/NDF:21.1/24

All: 0.006+/-0.007 χ^2/NDF: 44.0/44



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362193.8/5

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.323+/-0.020 χ^2/NDF:51383.9/3

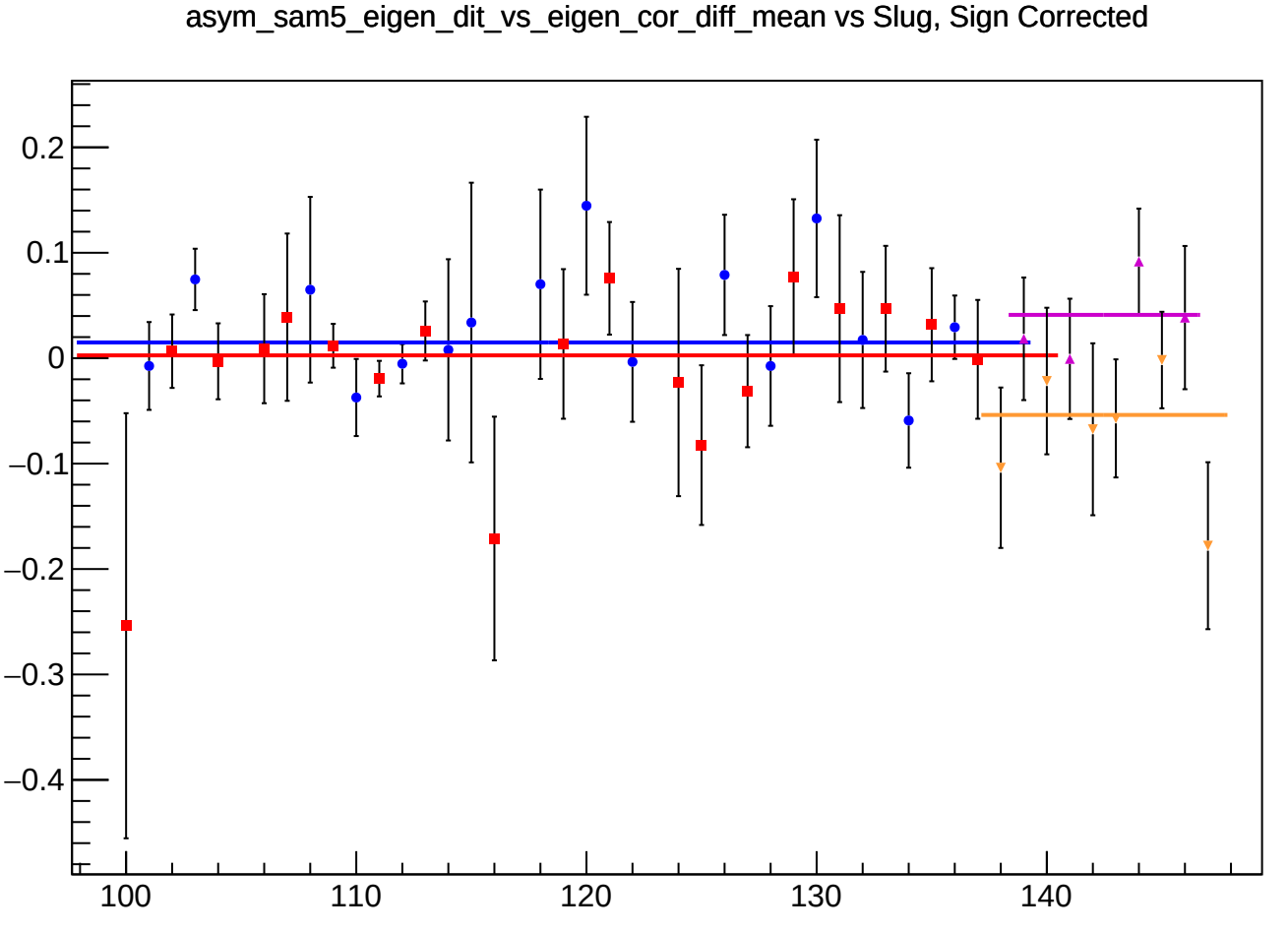
Left: 52.939+/-0.014 χ^2/NDF: 415258.6/9

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 27.896+/-0.007 χ^2/NDF:4185595.0/19

Out: 24.187+/-0.006 χ^2/NDF:6811038.9/24

All: 25.796+/-0.005 χ^2/NDF: 11154627.9/44



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.054+/-0.026 χ^2/NDF:4.4/5

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.041+/-0.029 χ^2/NDF:1.7/3

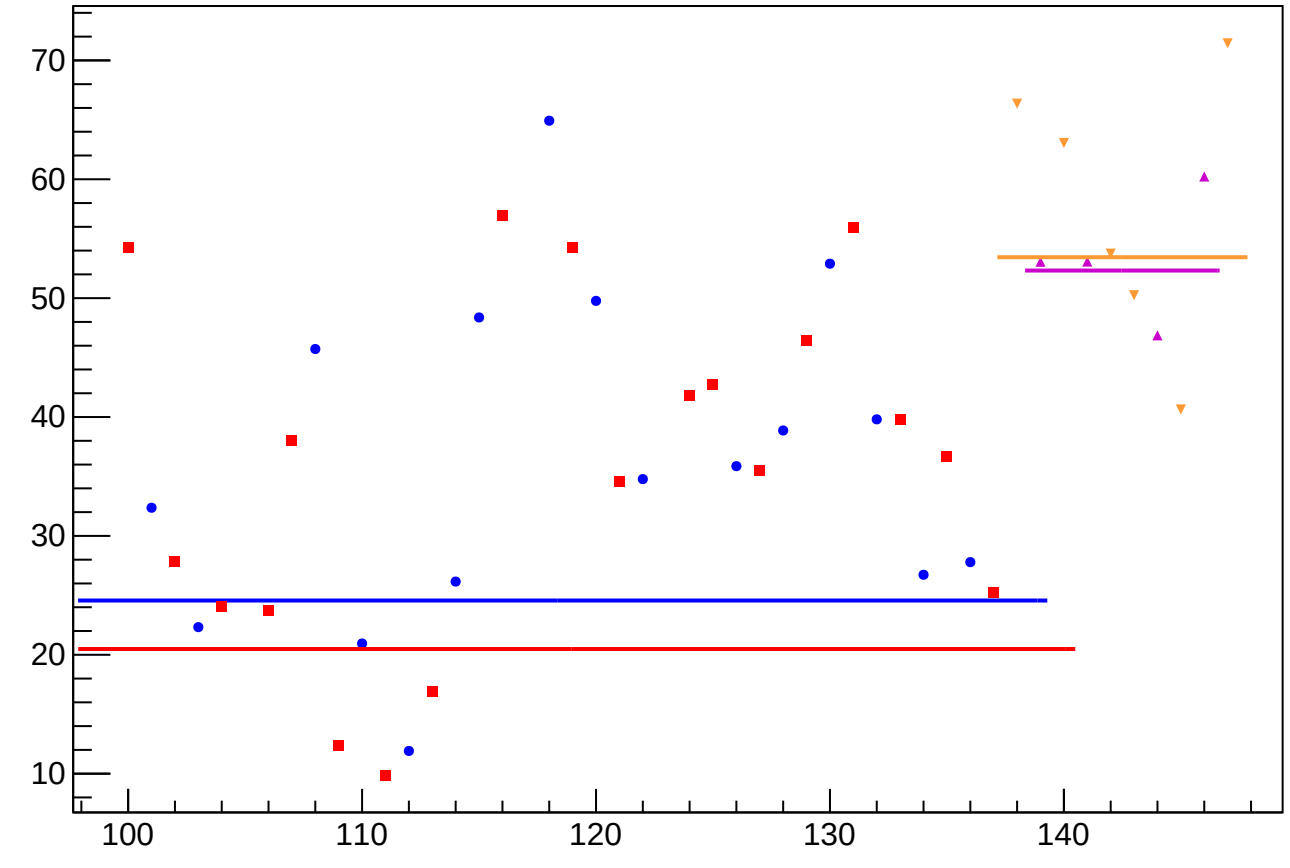
Left: -0.011+/-0.019 χ^2/NDF: 12.2/9

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.018+/-0.010 χ^2/NDF:20.2/19

Out: -0.004+/-0.009 χ^2/NDF:21.1/24

All: 0.006+/-0.007 χ^2/NDF: 44.0/44



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 53.444+/-0.018 χ^2/NDF:362193.8/5

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.323+/-0.020 χ^2/NDF:51383.9/3

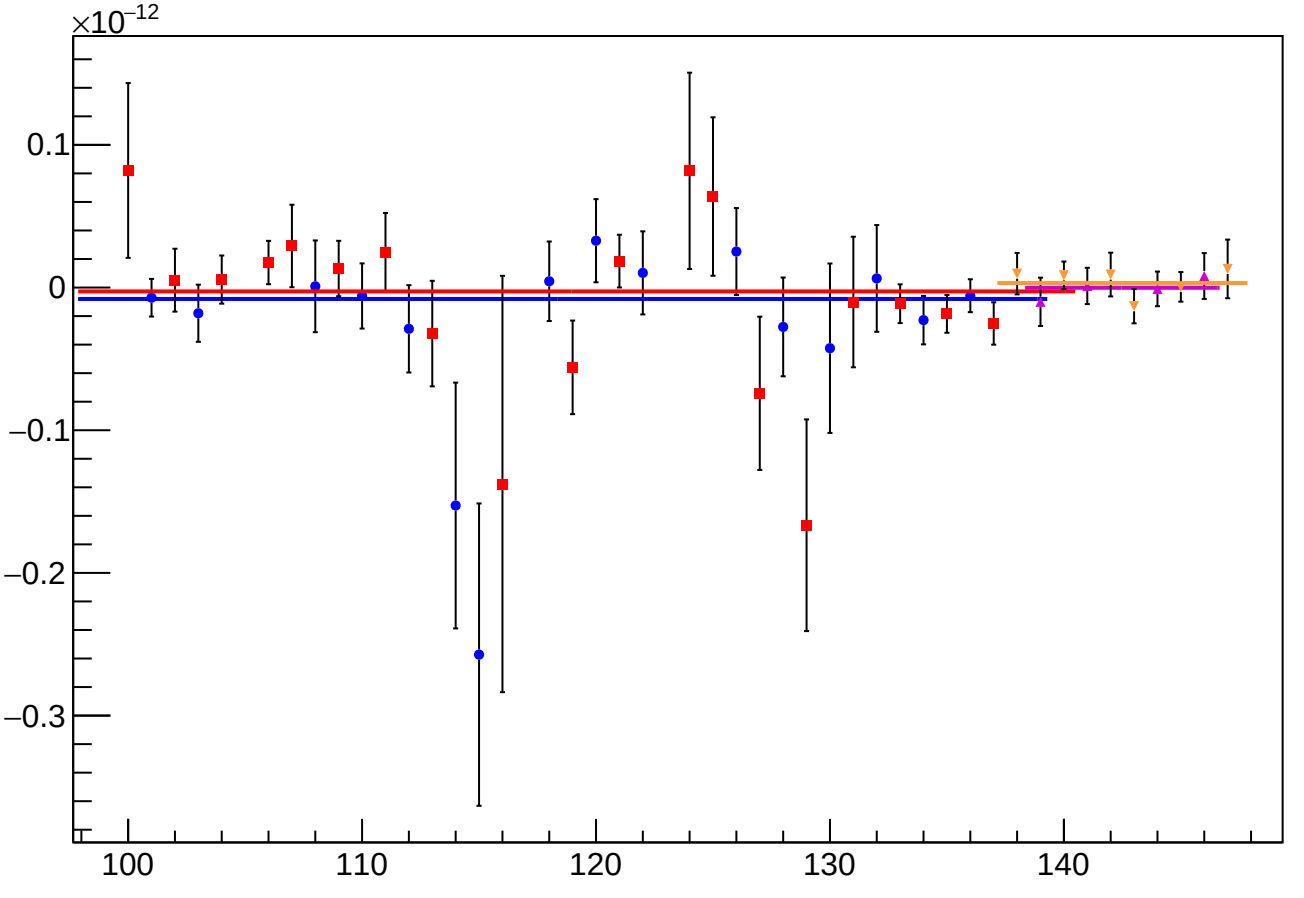
Left: 52.939+/-0.014 χ^2/NDF: 415258.6/9

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 27.896+/-0.007 χ^2/NDF:4185595.0/19

Out: 24.187+/-0.006 χ^2/NDF:6811038.9/24

All: 25.796+/-0.005 χ^2/NDF: 11154627.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.6/3

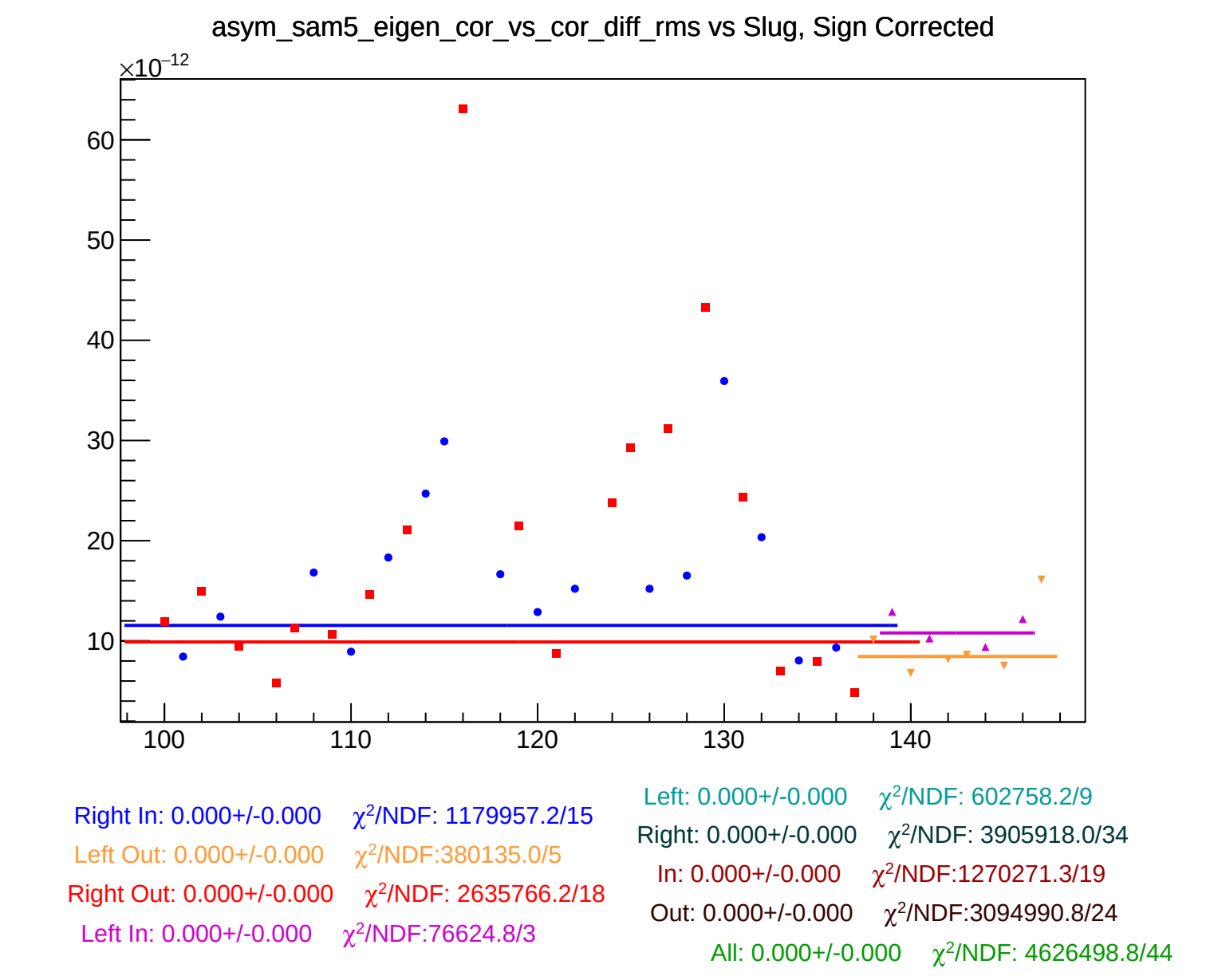
Left: 0.000+/-0.000 χ^2/NDF: 3.6/9

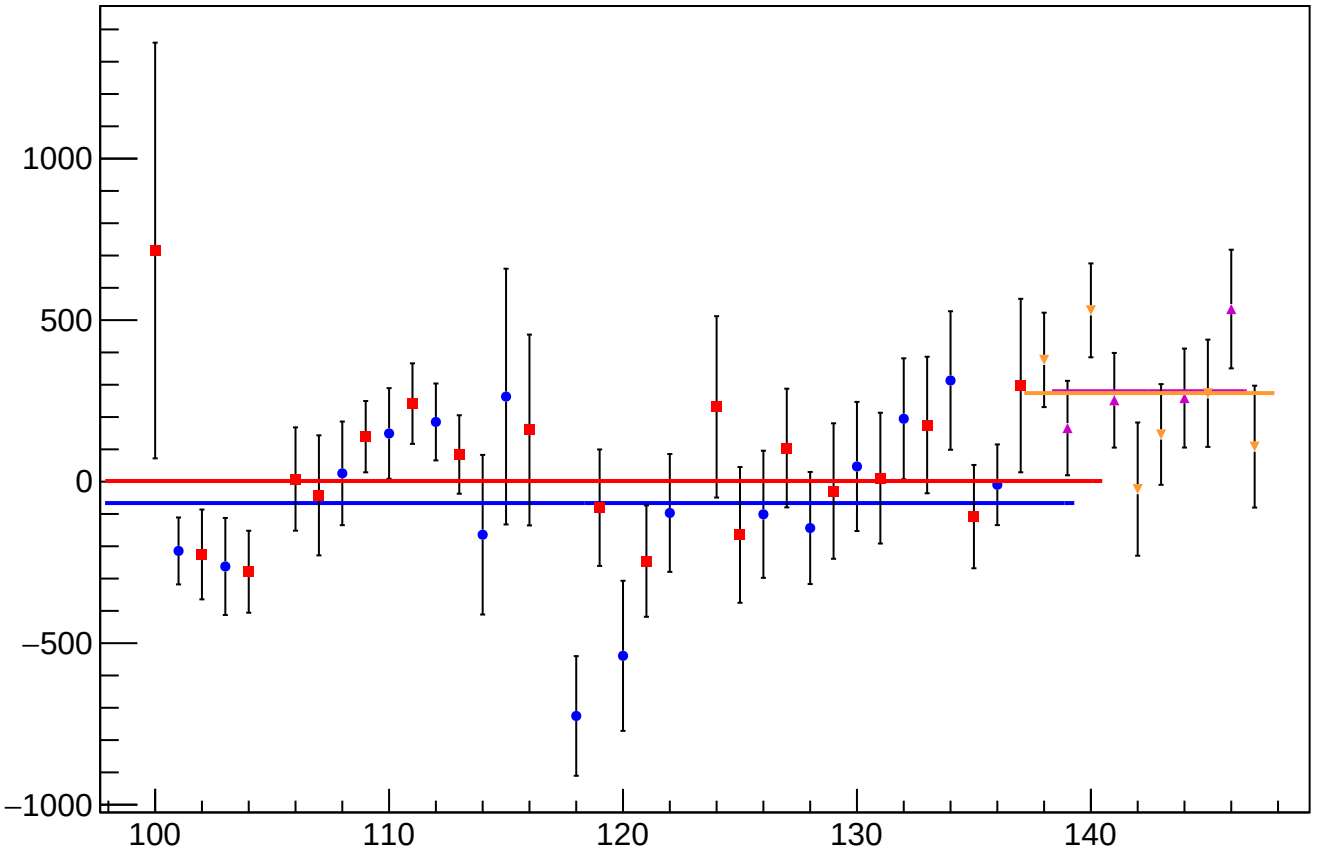
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:15.9/19

Out: 0.000+/-0.000 χ^2/NDF:29.5/24

All: -0.000+/-0.000 χ^2/NDF: 46.2/44


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:380135.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:76624.8/3
Left: 0.000+/-0.000 χ²/NDF: 602758.2/9
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1270271.3/19
Out: 0.000+/-0.000 χ²/NDF:3094990.8/24
All: 0.000+/-0.000 χ²/NDF: 4626498.8/44



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 274.131+/-66.936 χ^2/NDF:7.1/5

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 279.935+/-77.696 χ^2/NDF:2.6/3

Left: 276.604+/-50.712 χ^2/NDF: 9.7/9

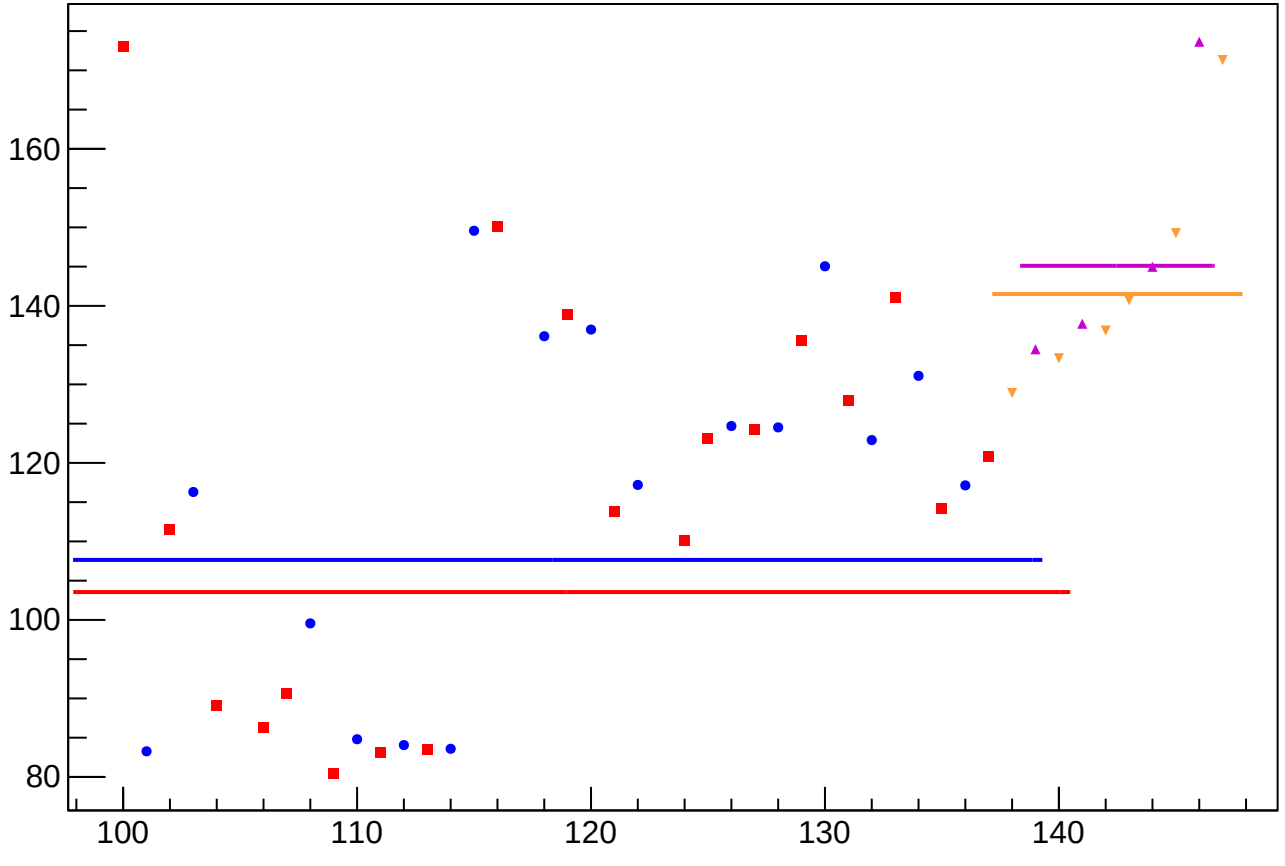
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 8.988+/-36.217 χ^2/NDF:52.5/19

Out: 70.628+/-33.611 χ^2/NDF:40.6/24

All: 42.106+/-24.637 χ^2/NDF: 94.7/44

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 141.508+/-0.047 χ^2/NDF:76517.6/5

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

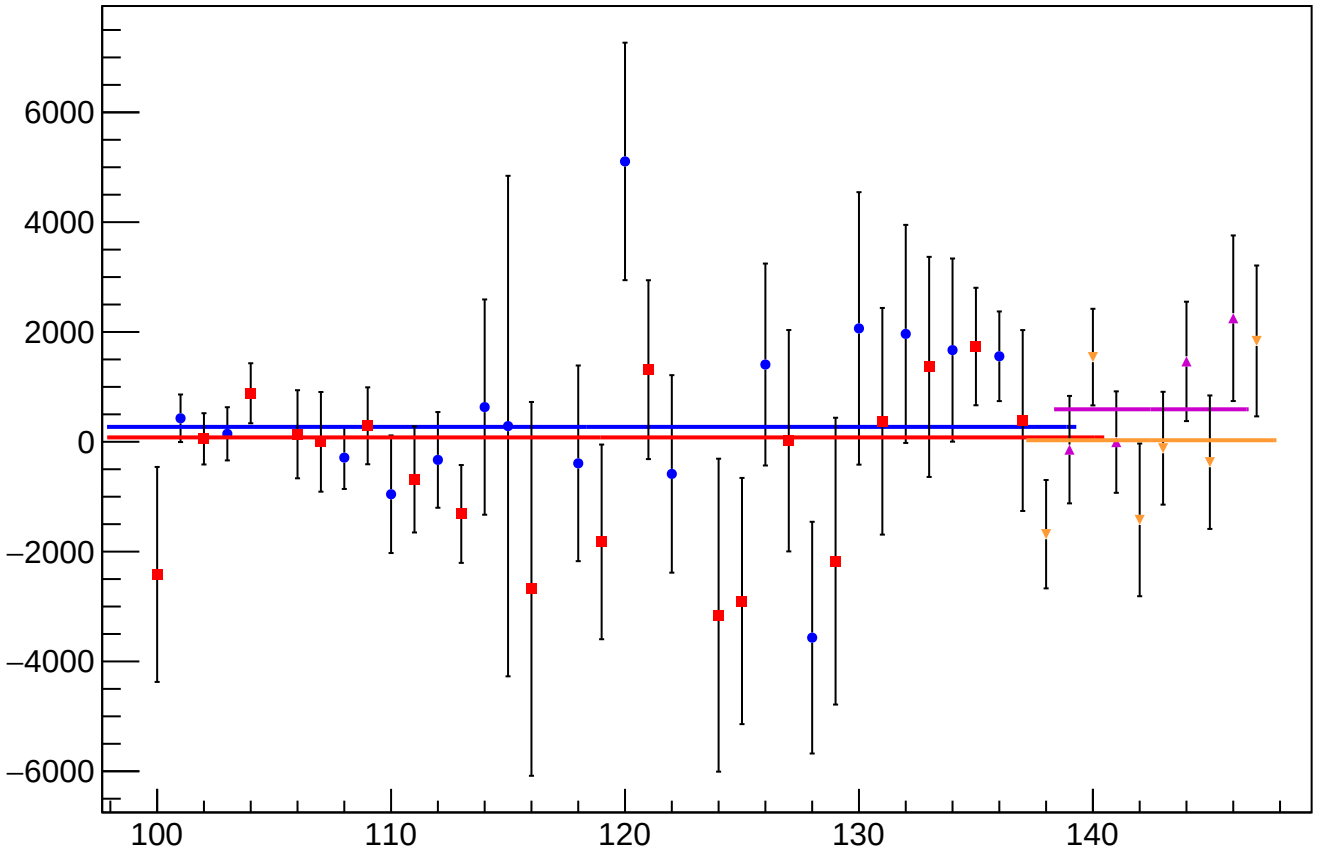
Left: 143.040+/-0.036 χ^2/NDF: 142948.1/9

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 115.784+/-0.026 χ^2/NDF:960683.1/19

Out: 113.120+/-0.024 χ^2/NDF:1174844.1/24

All: 114.353+/-0.017 χ^2/NDF: 2141337.9/44



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 28.269+/-447.667 χ^2/NDF:8.9/5

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 591.921+/-534.406 χ^2/NDF:2.8/3

Left: 260.697+/-343.171 χ^2/NDF: 12.4/9

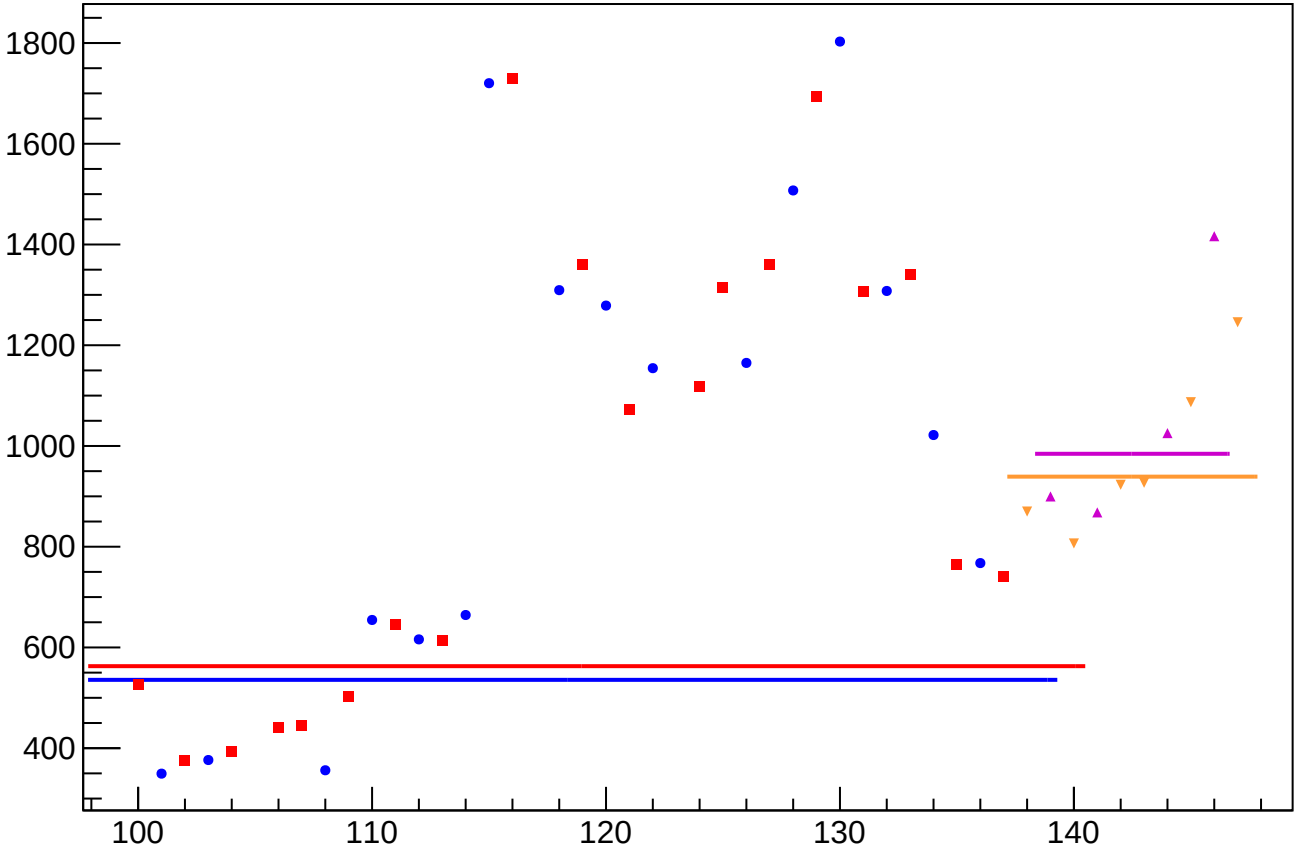
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 321.824+/-211.778 χ^2/NDF:19.6/19

Out: 69.111+/-206.090 χ^2/NDF:24.9/24

All: 192.028+/-147.698 χ^2/NDF: 45.3/44

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 939.120+/-0.317 χ^2/NDF:184947.5/5

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 984.476+/-0.378 χ^2/NDF:213649.4/3

Left: 957.823+/-0.243 χ^2/NDF: 407062.8/9

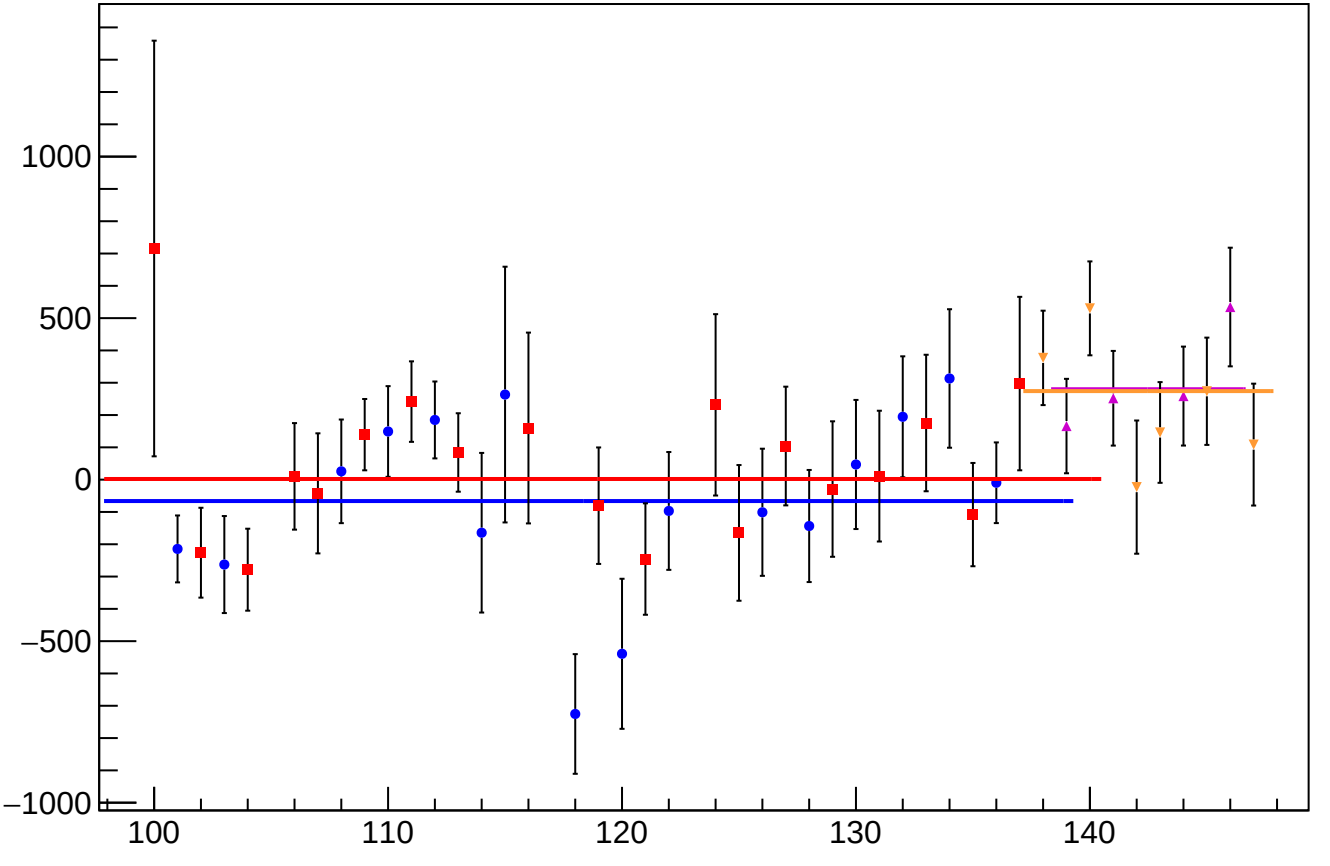
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 606.163+/-0.150 χ^2/NDF:5035046.6/19

Out: 642.591+/-0.146 χ^2/NDF:4409485.0/24

All: 624.873+/-0.104 χ^2/NDF: 9474925.4/44

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 274.143+/-66.936 χ^2/NDF:7.1/5

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 279.940+/-77.696 χ^2/NDF:2.6/3

Left: 276.613+/-50.712 χ^2/NDF: 9.7/9

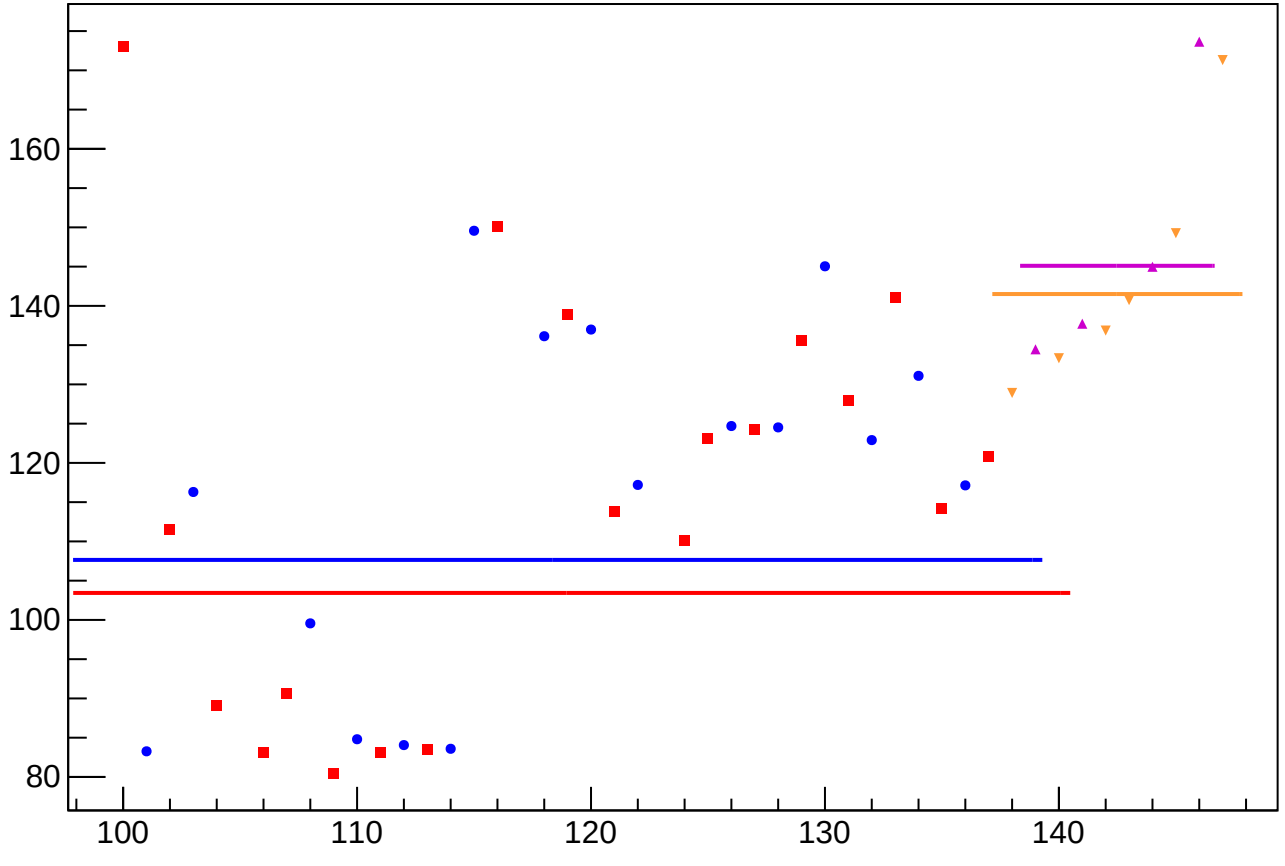
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 8.969+/-36.217 χ^2/NDF:52.5/19

Out: 70.850+/-33.657 χ^2/NDF:40.6/24

All: 42.175+/-24.654 χ^2/NDF: 94.7/44

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 141.508+/-0.047 χ^2/NDF:76517.6/5

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

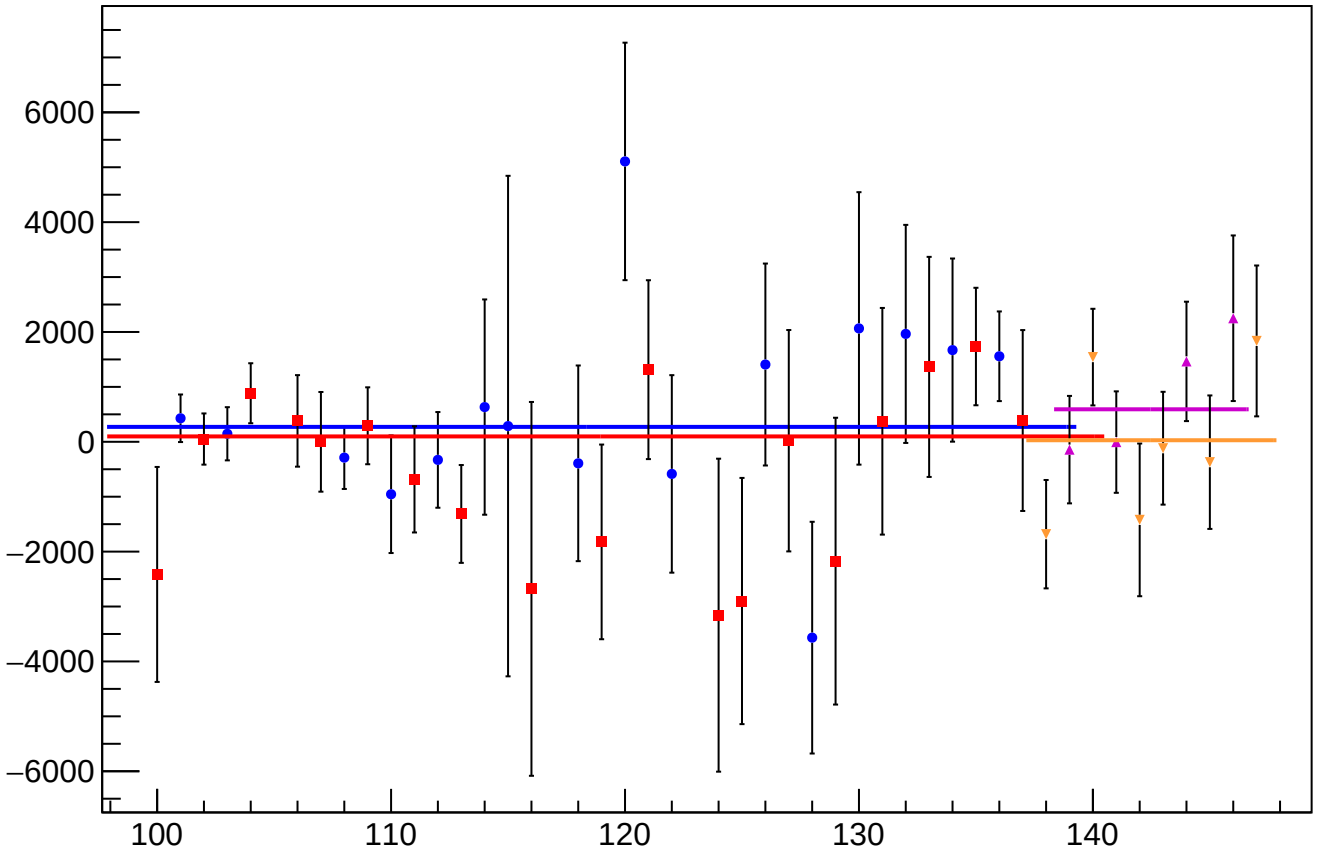
Left: 143.040+/-0.036 χ^2/NDF: 142948.1/9

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 115.784+/-0.026 χ^2/NDF:960683.2/19

Out: 113.063+/-0.024 χ^2/NDF:1184652.8/24

All: 114.324+/-0.017 χ^2/NDF: 2151394.7/44



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 28.286+/-447.667 χ^2/NDF:8.9/5

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 591.908+/-534.407 χ^2/NDF:2.8/3

Left: 260.701+/-343.171 χ^2/NDF: 12.4/9

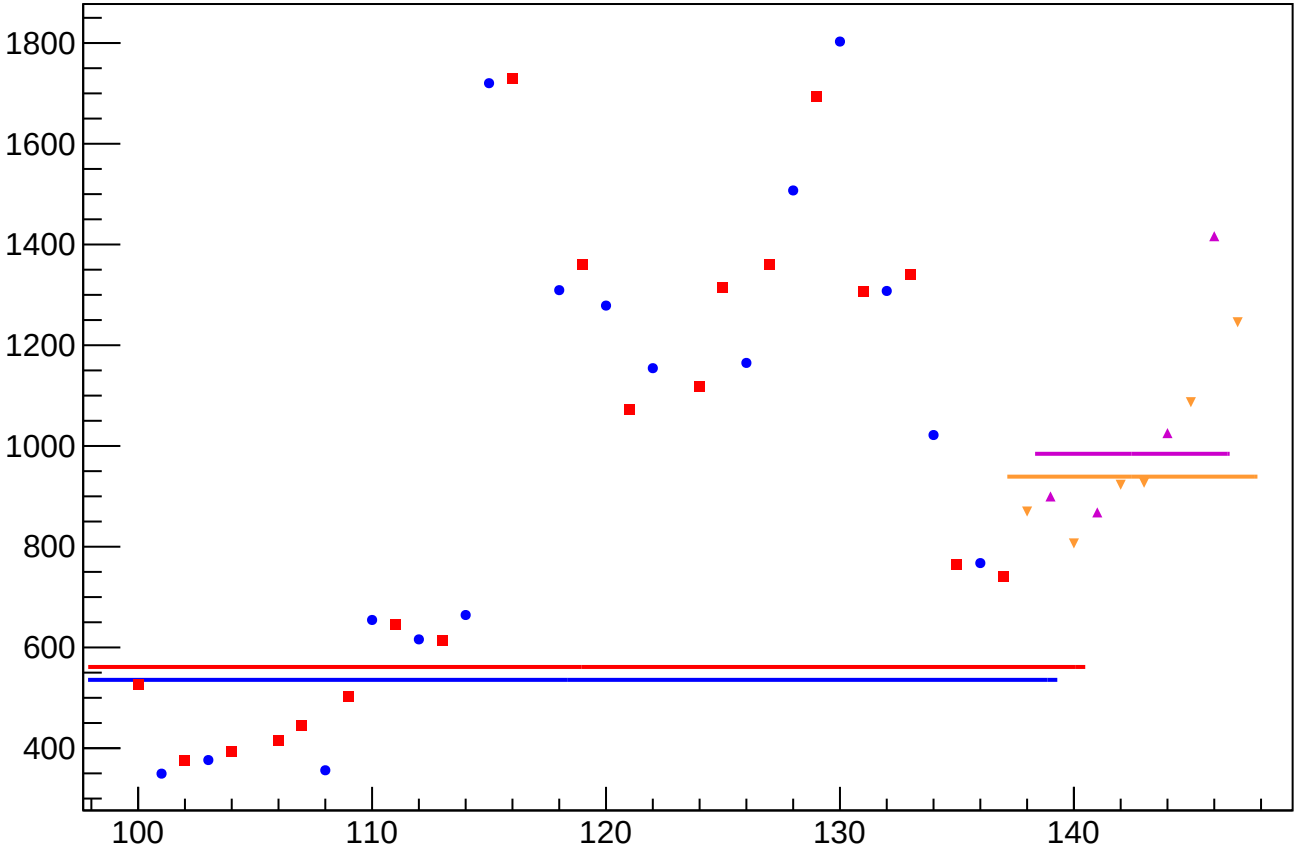
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 321.937+/-211.772 χ^2/NDF:19.6/19

Out: 83.041+/-206.528 χ^2/NDF:25.1/24

All: 199.495+/-147.857 χ^2/NDF: 45.3/44

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 939.120+/-0.317 χ^2/NDF:184947.5/5

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 984.476+/-0.378 χ^2/NDF:213649.6/3

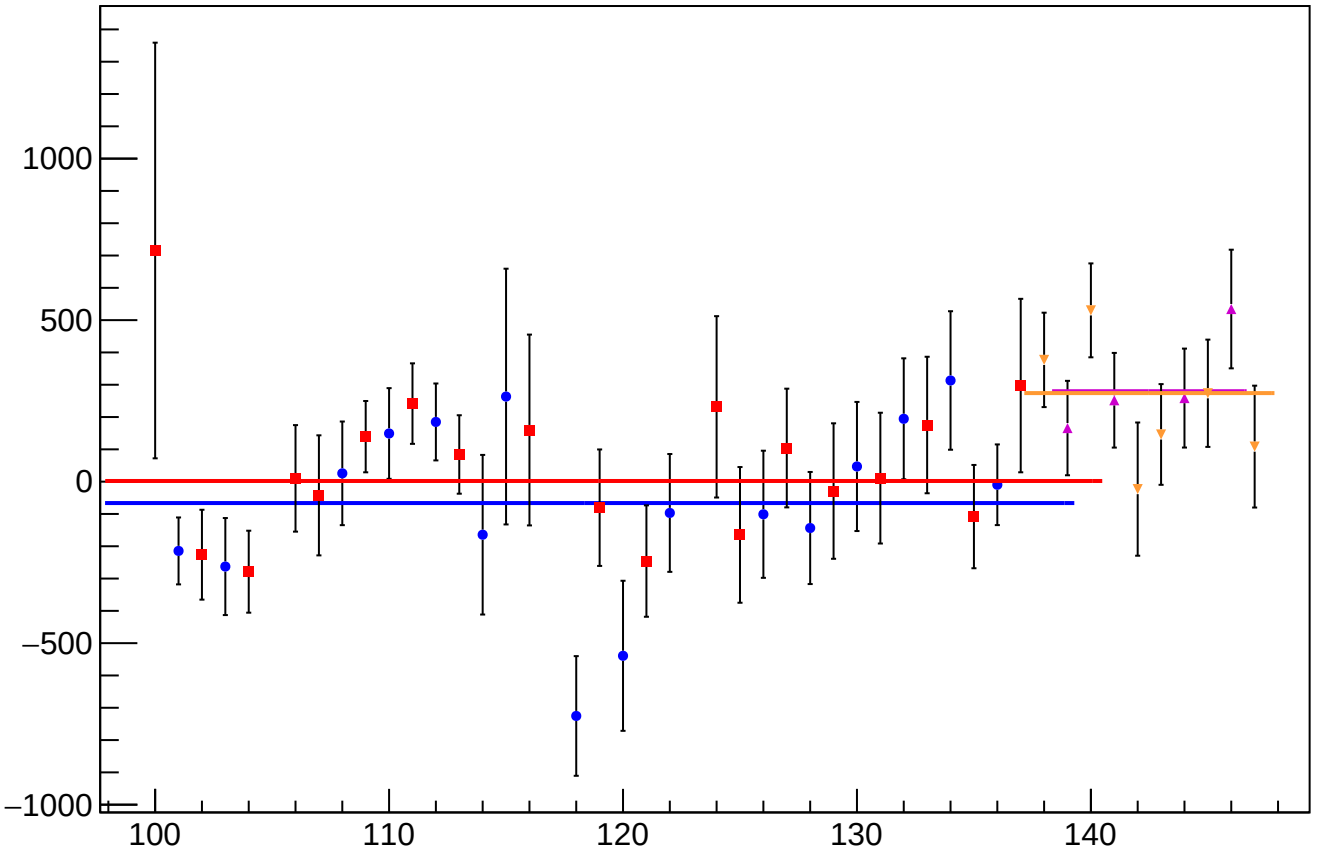
Left: 957.823+/-0.243 χ^2/NDF: 407063.0/9

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 606.141+/-0.150 χ^2/NDF:5035373.4/19

Out: 641.691+/-0.146 χ^2/NDF:4437271.4/24

All: 624.361+/-0.105 χ^2/NDF: 9501531.0/44



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 274.143+/-66.936 χ^2/NDF:7.1/5

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 279.940+/-77.696 χ^2/NDF:2.6/3

Left: 276.613+/-50.712 χ^2/NDF: 9.7/9

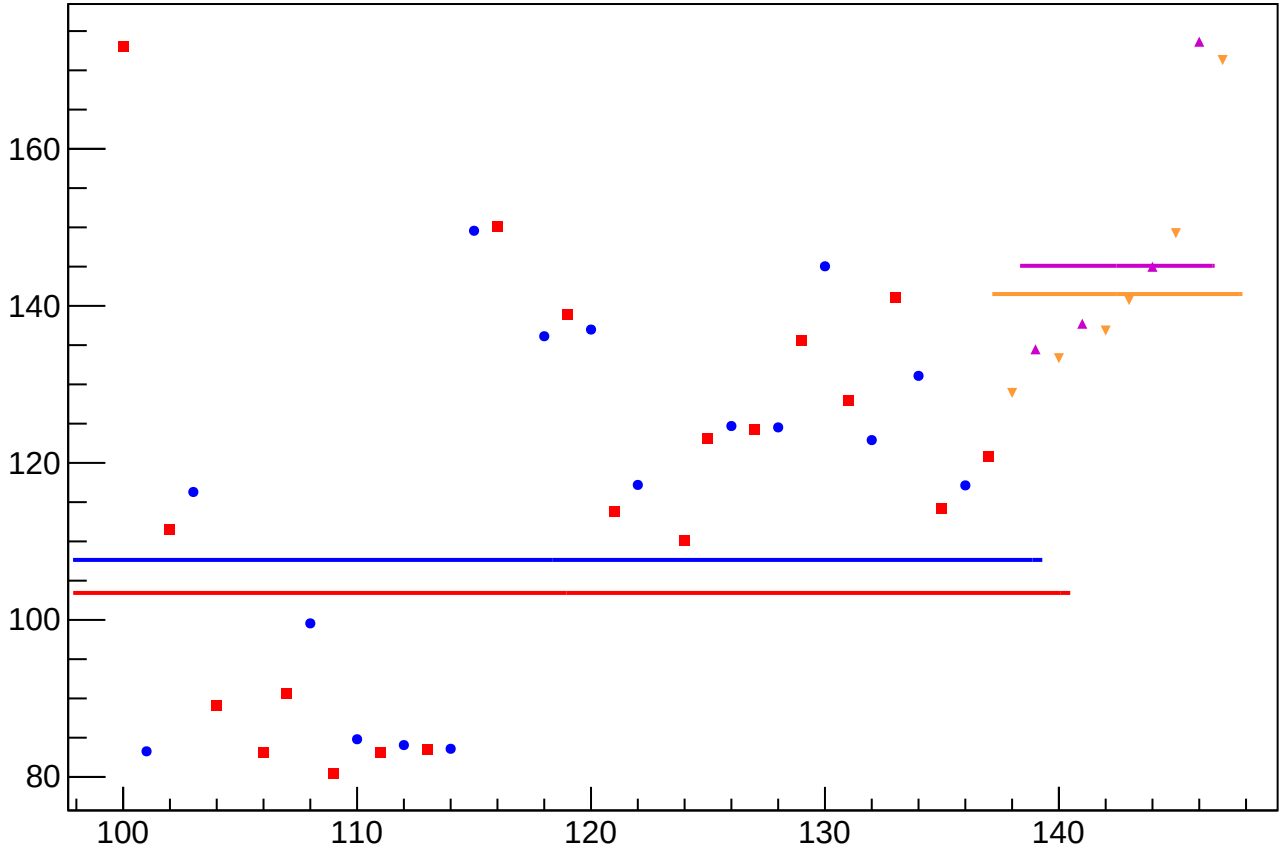
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 8.969+/-36.217 χ^2/NDF:52.5/19

Out: 70.850+/-33.657 χ^2/NDF:40.6/24

All: 42.175+/-24.654 χ^2/NDF: 94.7/44

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 141.508+/-0.047 χ^2/NDF:76517.6/5

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 145.104+/-0.055 χ^2/NDF:63970.7/3

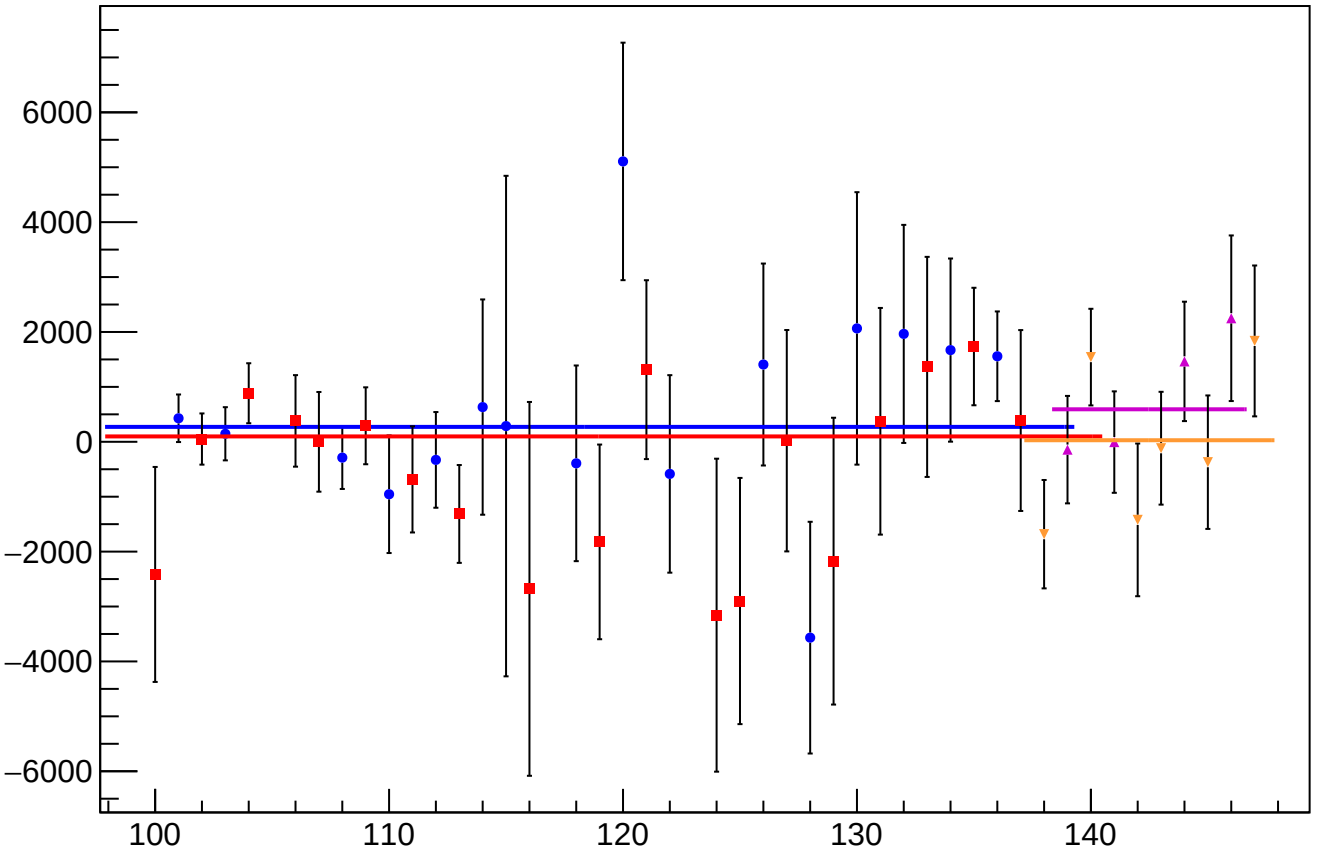
Left: 143.040+/-0.036 χ^2/NDF: 142948.1/9

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 115.784+/-0.026 χ^2/NDF:960683.2/19

Out: 113.063+/-0.024 χ^2/NDF:1184652.8/24

All: 114.324+/-0.017 χ^2/NDF: 2151394.7/44



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 28.286+/-447.667 χ^2/NDF:8.9/5

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 591.908+/-534.407 χ^2/NDF:2.8/3

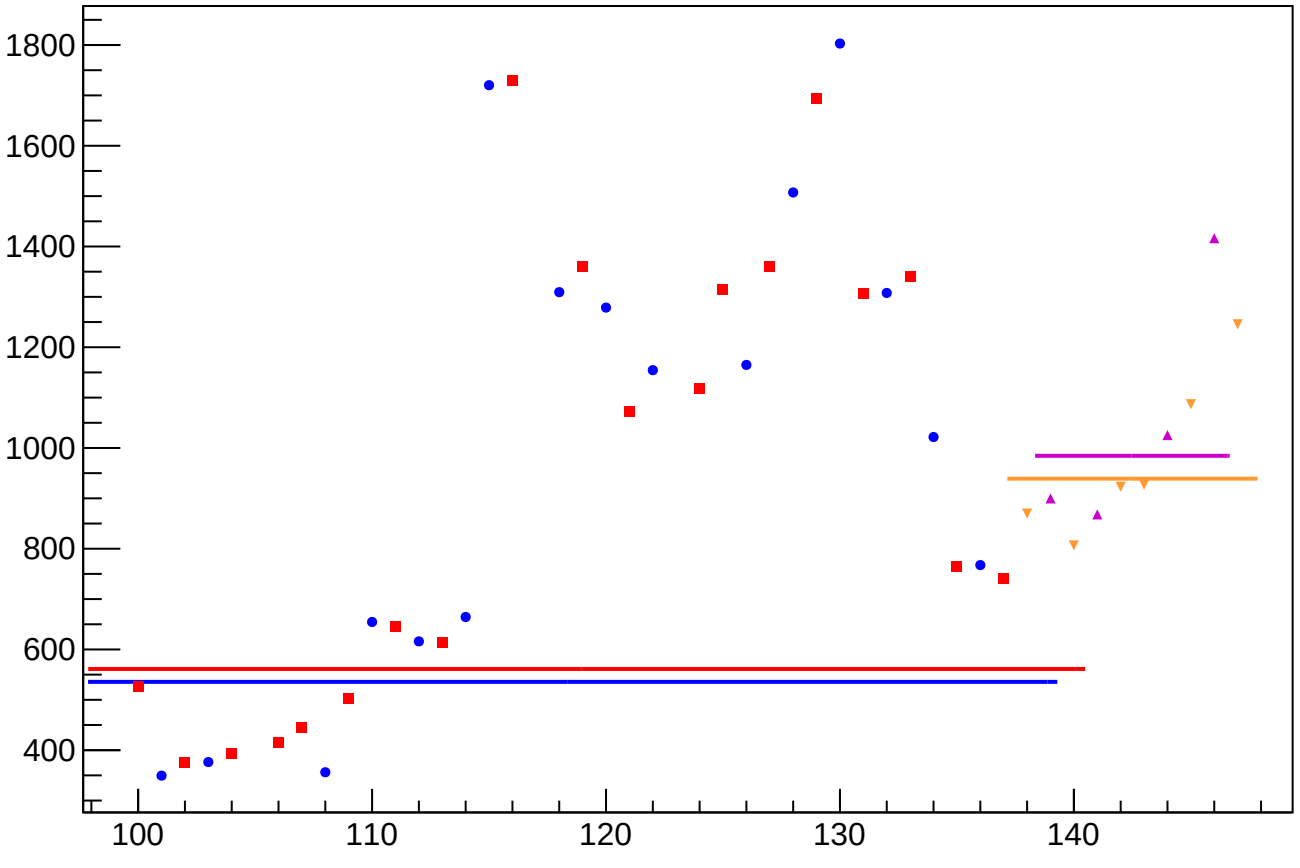
Left: 260.701+/-343.171 χ^2/NDF: 12.4/9

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 321.937+/-211.772 χ^2/NDF:19.6/19

Out: 83.041+/-206.528 χ^2/NDF:25.1/24

All: 199.495+/-147.857 χ^2/NDF: 45.3/44



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 939.120+/-0.317 χ^2/NDF:184947.5/5

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 984.476+/-0.378 χ^2/NDF:213649.6/3

Left: 957.823+/-0.243 χ^2/NDF: 407063.0/9

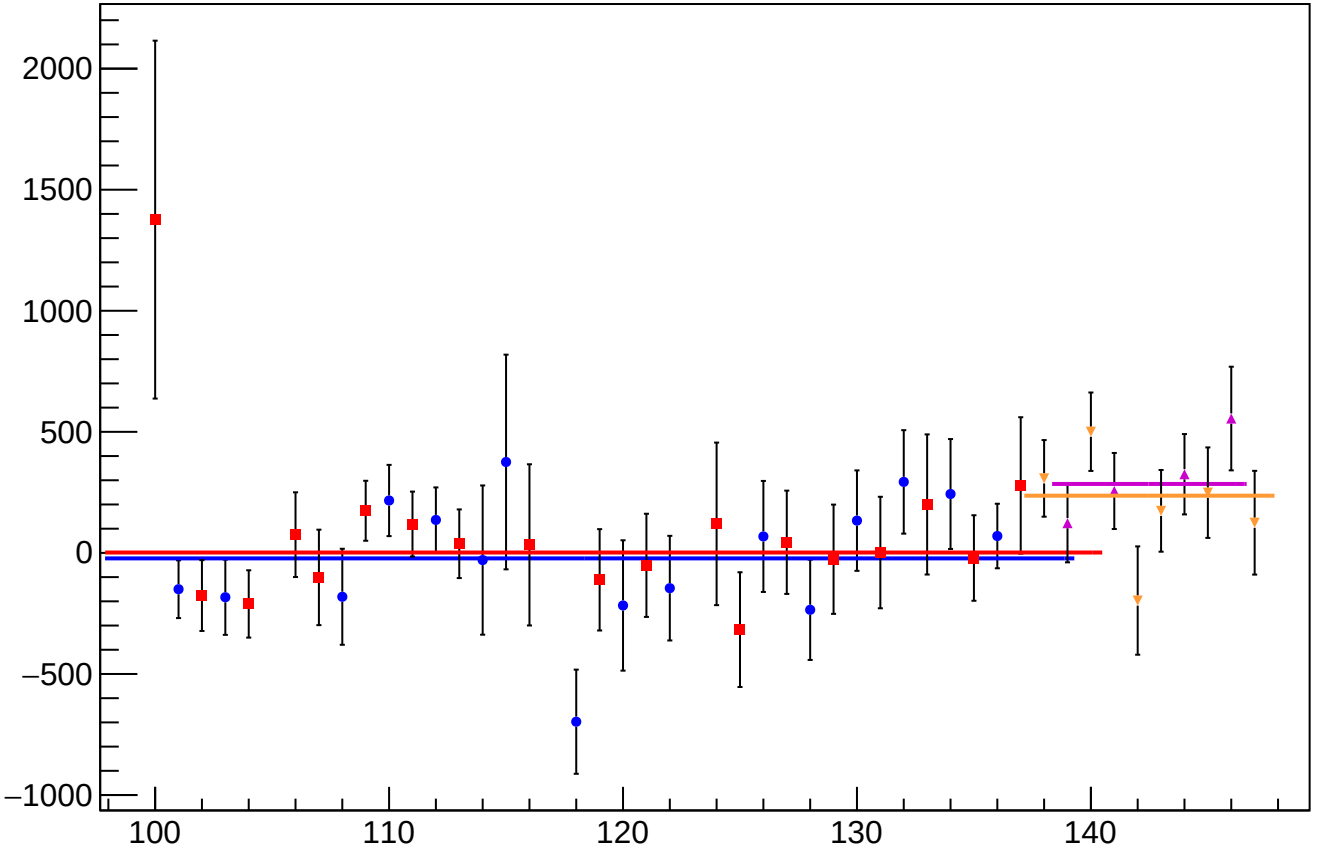
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 606.141+/-0.150 χ^2/NDF:5035373.4/19

Out: 641.691+/-0.146 χ^2/NDF:4437271.4/24

All: 624.361+/-0.105 χ^2/NDF: 9501531.0/44

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 236.308+/-73.795 χ^2/NDF:7.0/5

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 284.780+/-85.480 χ^2/NDF:2.7/3

Left: 257.006+/-55.859 χ^2/NDF: 9.9/9

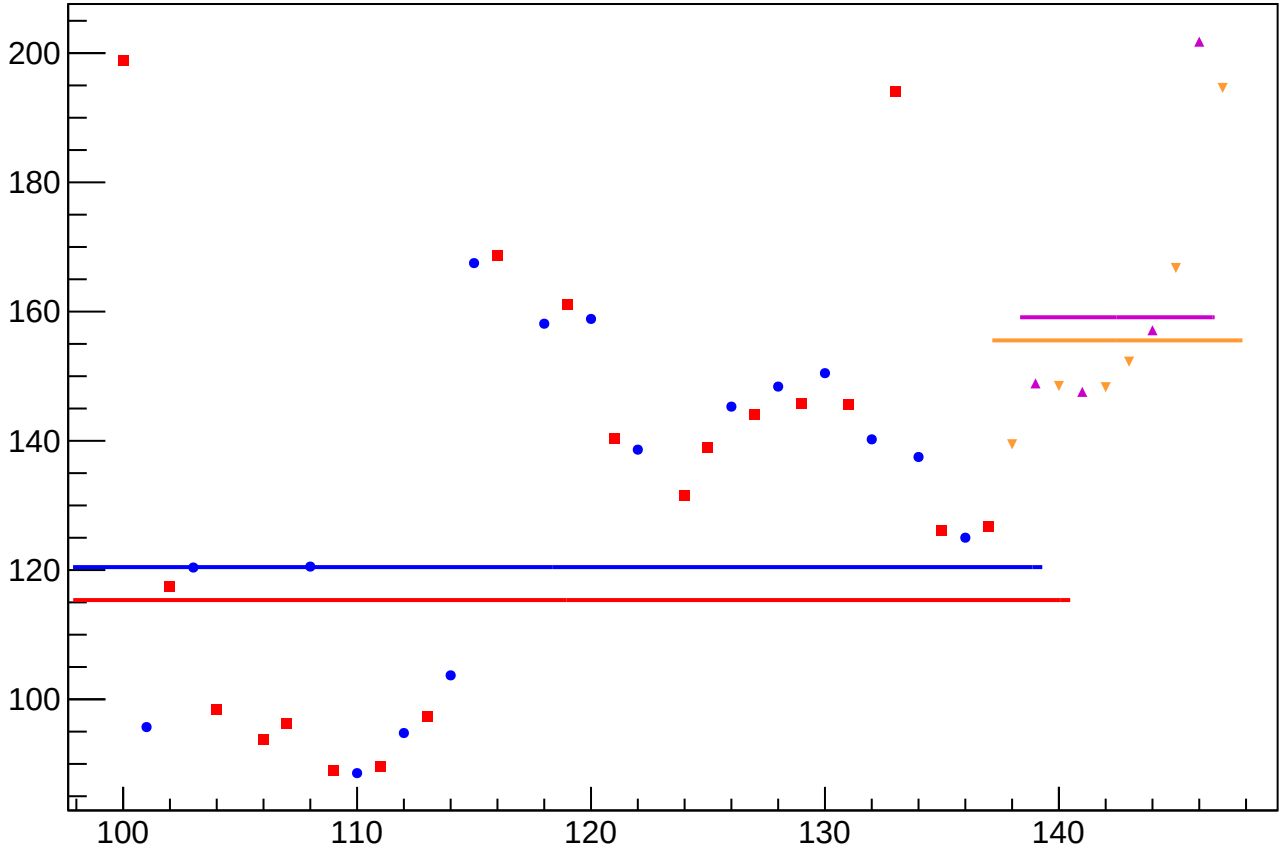
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 46.152+/-40.444 χ^2/NDF:36.9/19

Out: 62.255+/-37.514 χ^2/NDF:28.8/24

All: 54.808+/-27.504 χ^2/NDF: 65.8/44

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 155.544+/-0.052 χ^2/NDF:101011.4/5

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 159.121+/-0.060 χ^2/NDF:98520.6/3

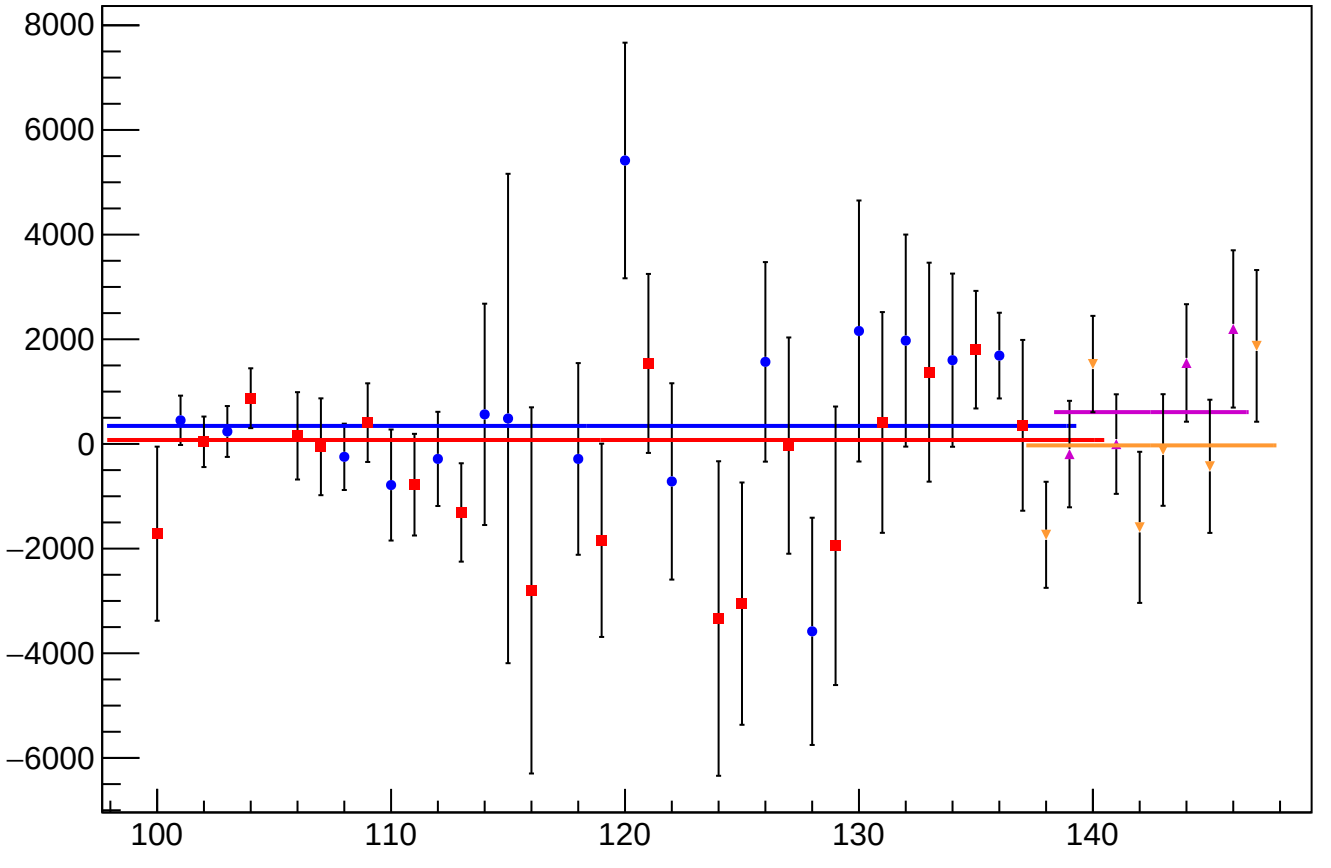
Left: 157.072+/-0.039 χ^2/NDF: 201537.7/9

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 129.114+/-0.029 χ^2/NDF:946402.8/19

Out: 125.743+/-0.027 χ^2/NDF:1308108.0/24

All: 127.302+/-0.019 χ^2/NDF: 2261979.3/44



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: -27.705+/-465.930 χ^2/NDF:8.7/5

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 608.155+/-549.879 χ^2/NDF:2.9/3

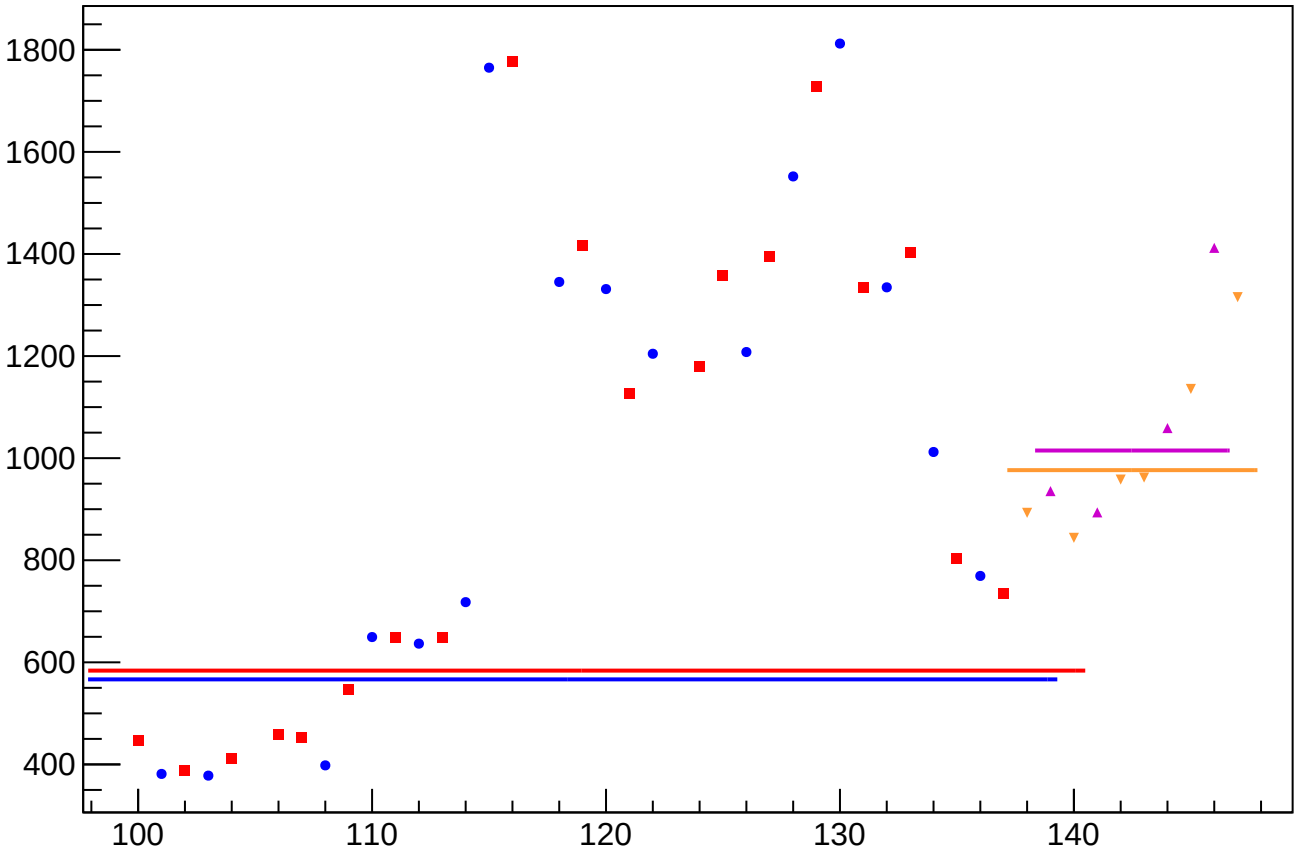
Left: 238.033+/-355.478 χ^2/NDF: 12.3/9

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 387.089+/-221.139 χ^2/NDF:19.3/19

Out: 53.739+/-213.695 χ^2/NDF:24.0/24

All: 214.708+/-153.669 χ^2/NDF: 44.5/44



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 976.530+/-0.329 χ^2/NDF:196429.9/5

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1014.984+/-0.389 χ^2/NDF:187350.8/3

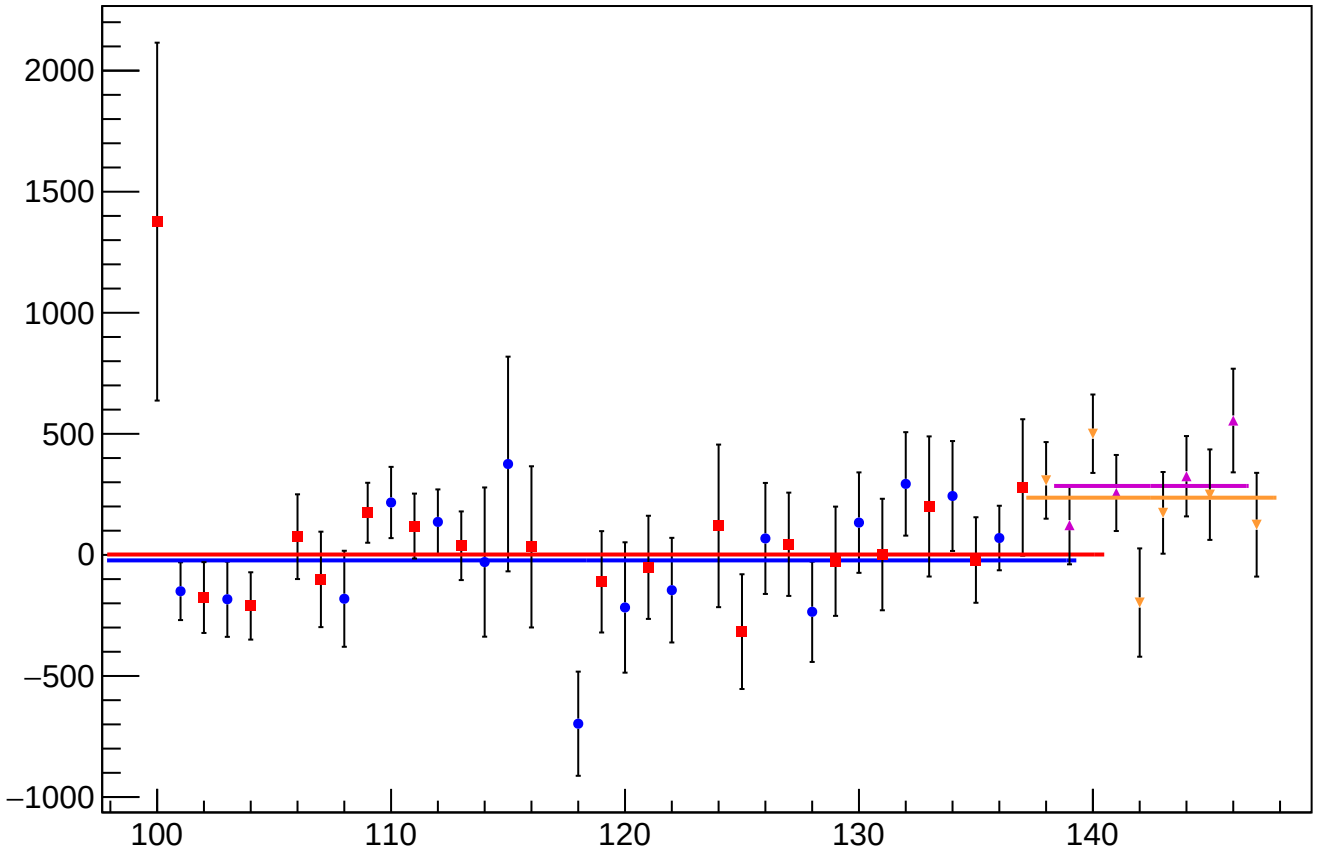
Left: 992.600+/-0.251 χ^2/NDF: 389474.1/9

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 639.121+/-0.156 χ^2/NDF:4734528.0/19

Out: 666.407+/-0.151 χ^2/NDF:4426020.5/24

All: 653.231+/-0.109 χ^2/NDF: 9176294.1/44



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 236.311+/-73.794 χ^2/NDF:7.0/5

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 284.778+/-85.480 χ^2/NDF:2.7/3

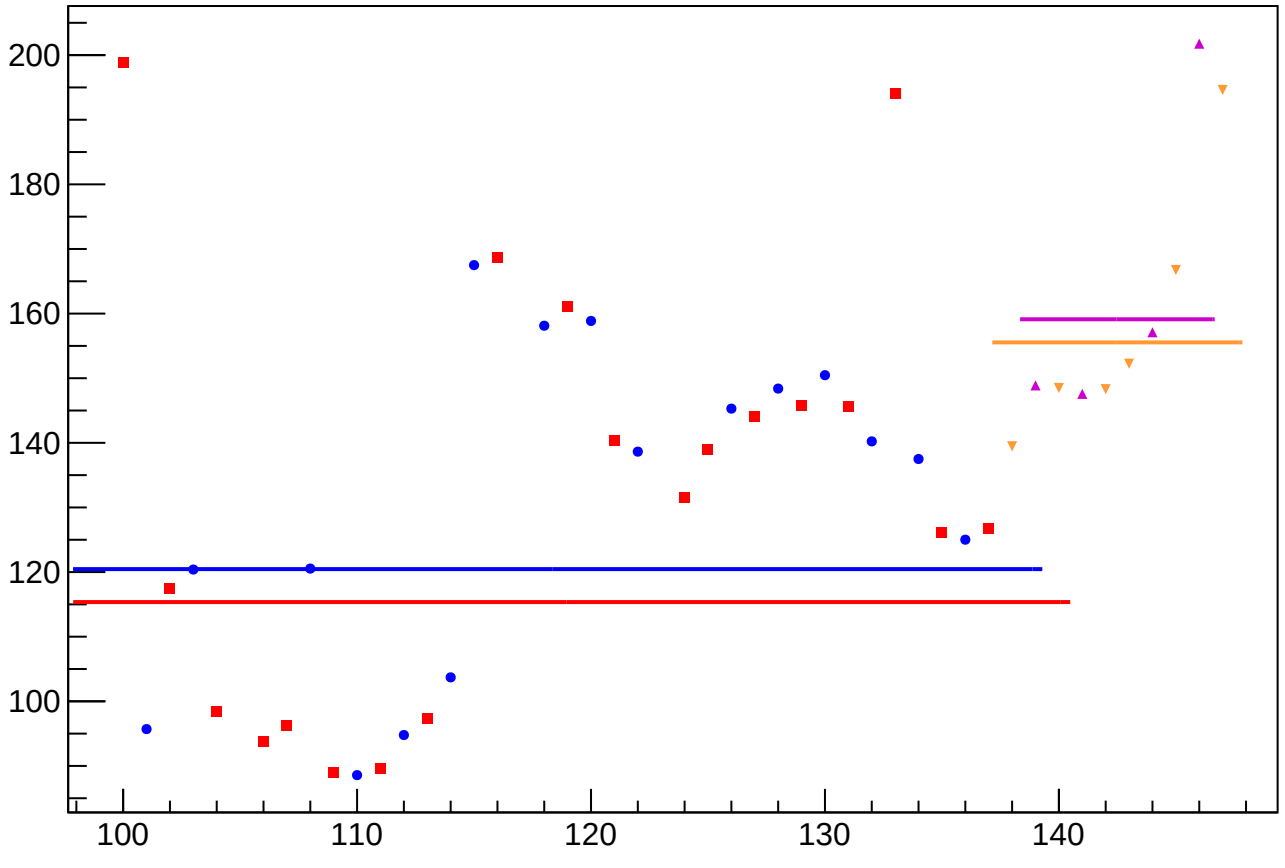
Left: 257.008+/-55.859 χ^2/NDF: 9.9/9

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 46.150+/-40.444 χ^2/NDF:36.9/19

Out: 62.257+/-37.514 χ^2/NDF:28.8/24

All: 54.808+/-27.504 χ^2/NDF: 65.8/44



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 155.544+/-0.052 χ^2/NDF:101010.2/5

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 159.120+/-0.060 χ^2/NDF:98521.2/3

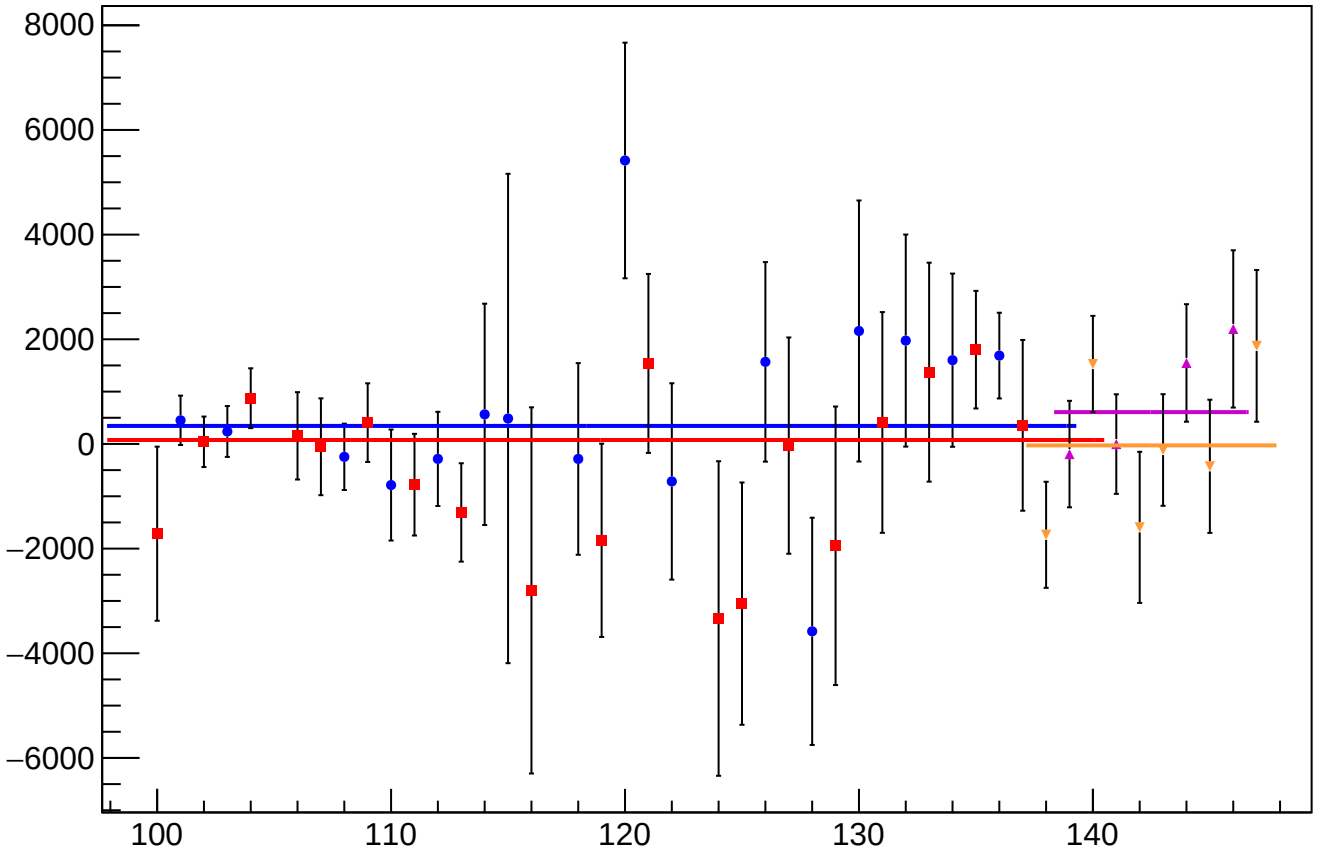
Left: 157.071+/-0.039 χ^2/NDF: 201537.1/9

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 129.113+/-0.029 χ^2/NDF:946408.8/19

Out: 125.742+/-0.027 χ^2/NDF:1308105.8/24

All: 127.301+/-0.019 χ^2/NDF: 2261983.0/44



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: -27.700+/-465.929 χ^2/NDF:8.7/5

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 608.153+/-549.878 χ^2/NDF:2.9/3

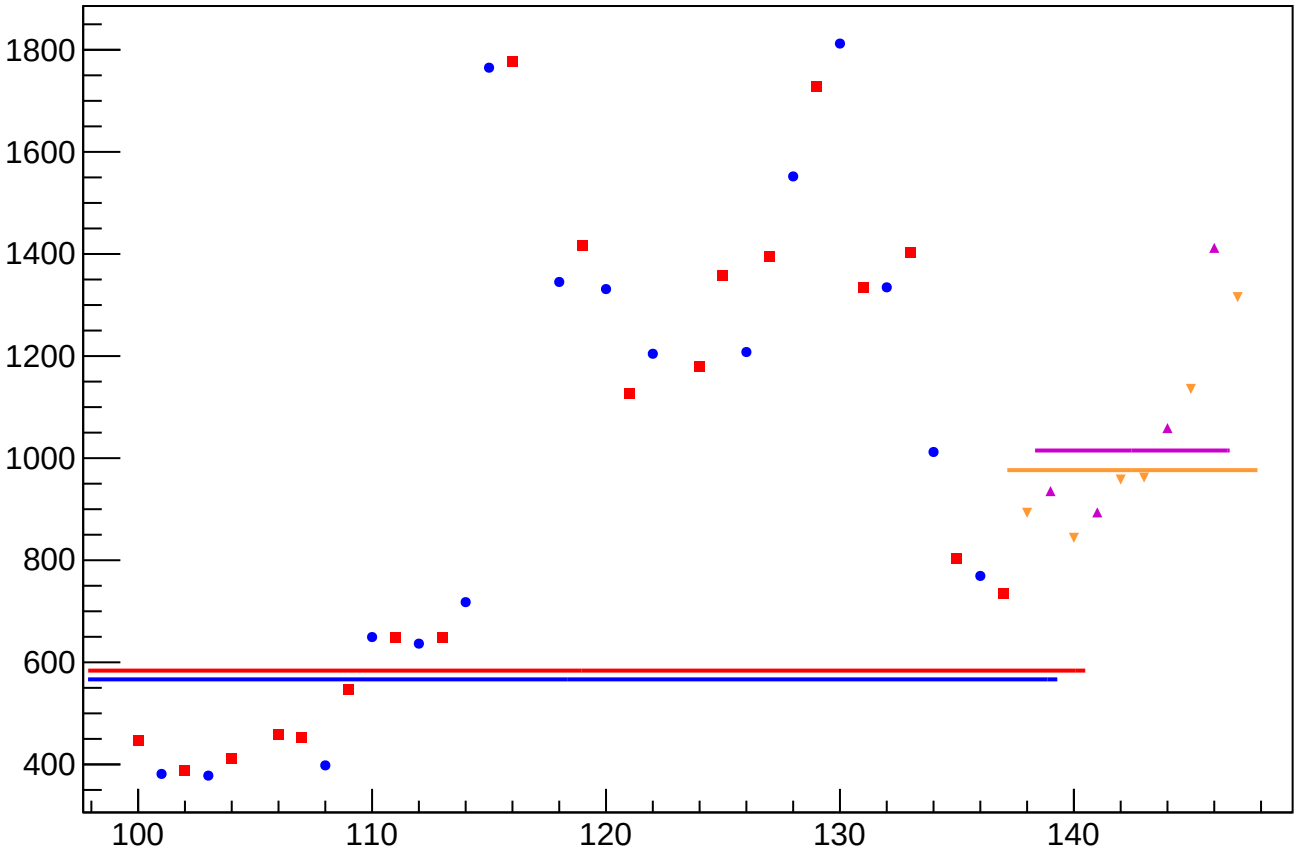
Left: 238.035+/-355.477 χ^2/NDF: 12.3/9

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 387.088+/-221.139 χ^2/NDF:19.3/19

Out: 53.741+/-213.695 χ^2/NDF:24.0/24

All: 214.709+/-153.669 χ^2/NDF: 44.5/44



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 976.528+/-0.329 χ^2/NDF:196430.0/5

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1014.983+/-0.389 χ^2/NDF:187351.5/3

Left: 992.599+/-0.251 χ^2/NDF: 389474.9/9

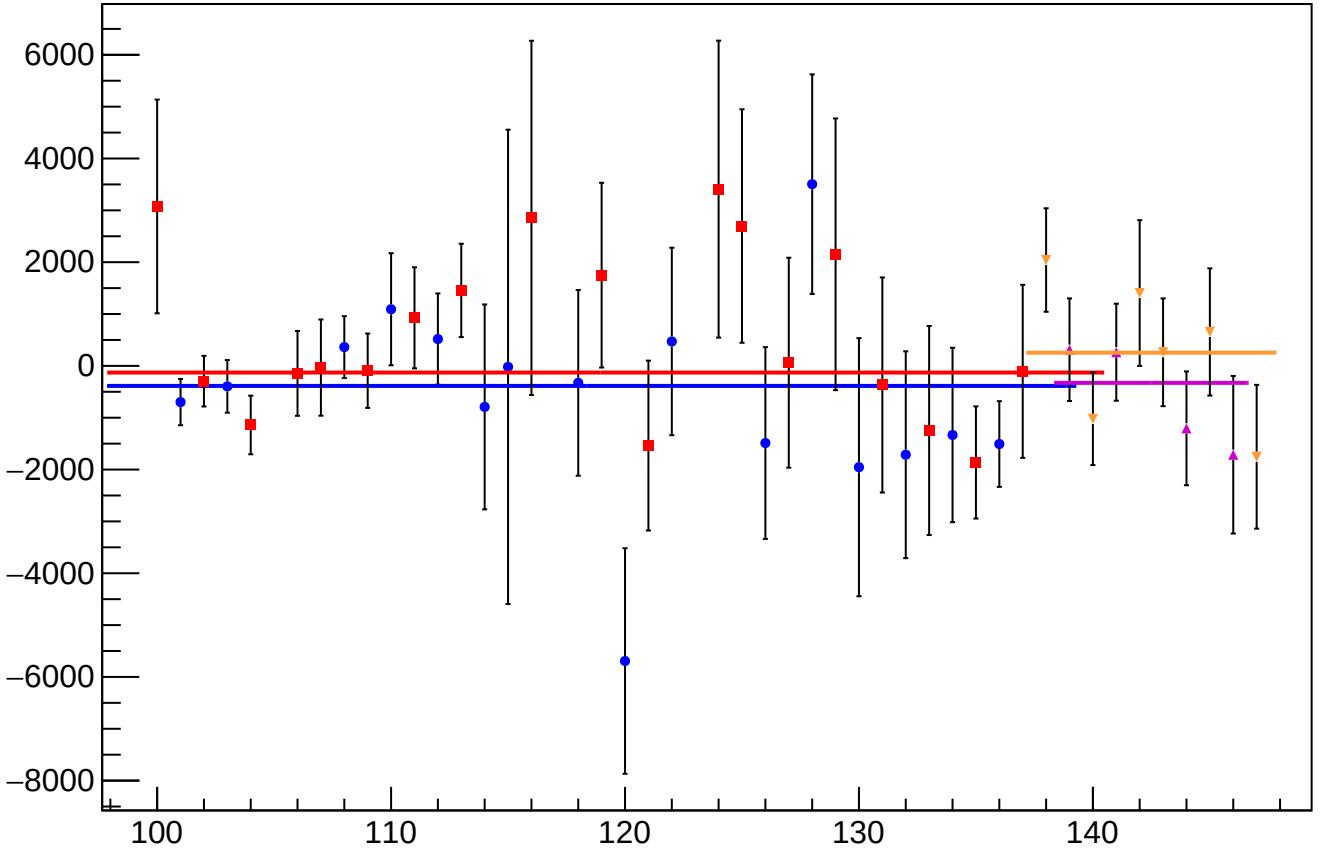
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 639.120+/-0.156 χ^2/NDF:4734534.6/19

Out: 666.406+/-0.151 χ^2/NDF:4426019.3/24

All: 653.230+/-0.109 χ^2/NDF: 9176299.8/44

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 254.670+/-452.787 χ^2/NDF:8.1/5

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: -327.344+/-540.272 χ^2/NDF:2.3/3

Left: 14.542+/-347.030 χ^2/NDF: 11.1/9

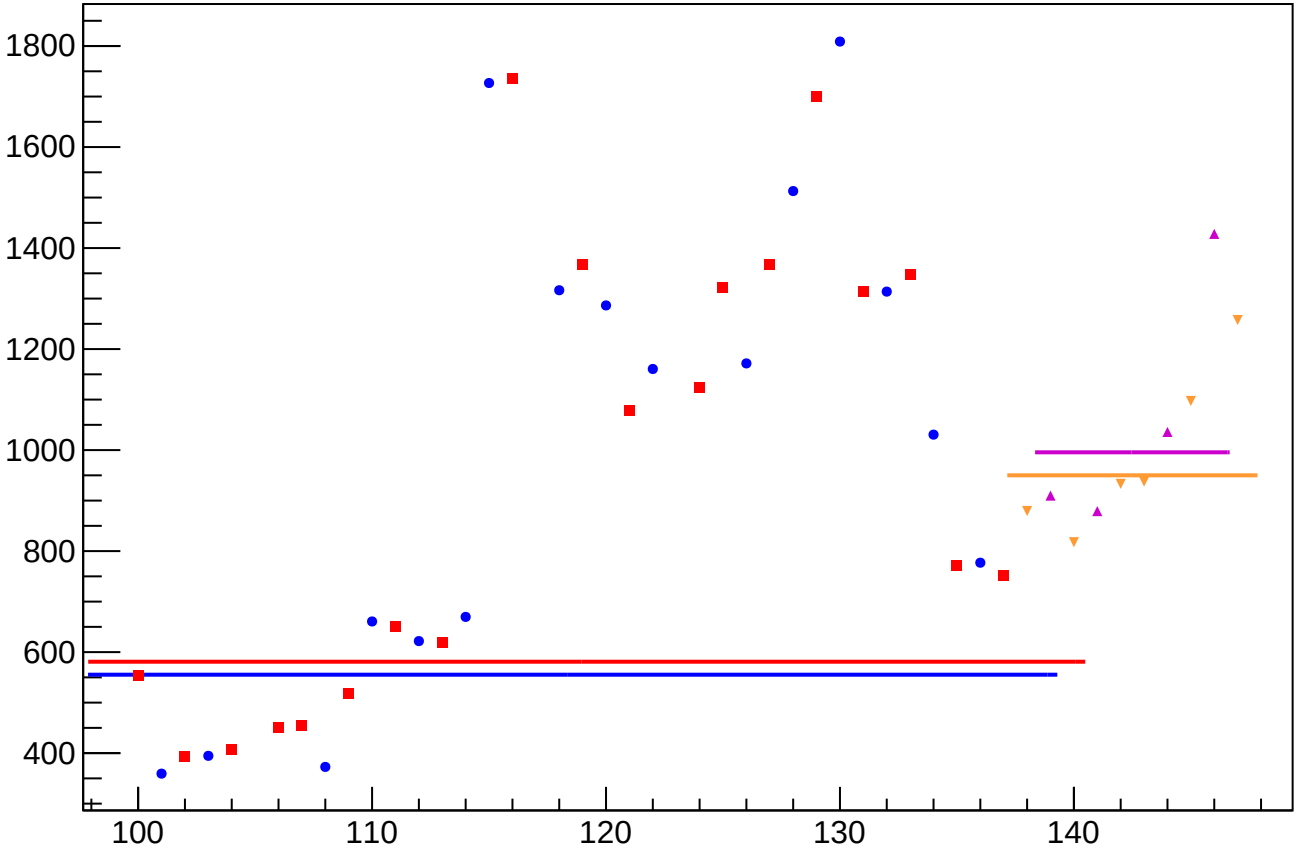
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -376.937+/-217.439 χ^2/NDF:20.2/19

Out: -45.485+/-210.837 χ^2/NDF:28.1/24

All: -206.103+/-151.364 χ^2/NDF: 49.5/44

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 950.086+/-0.320 χ^2/NDF:181844.3/5

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 995.610+/-0.382 χ^2/NDF:210590.7/3

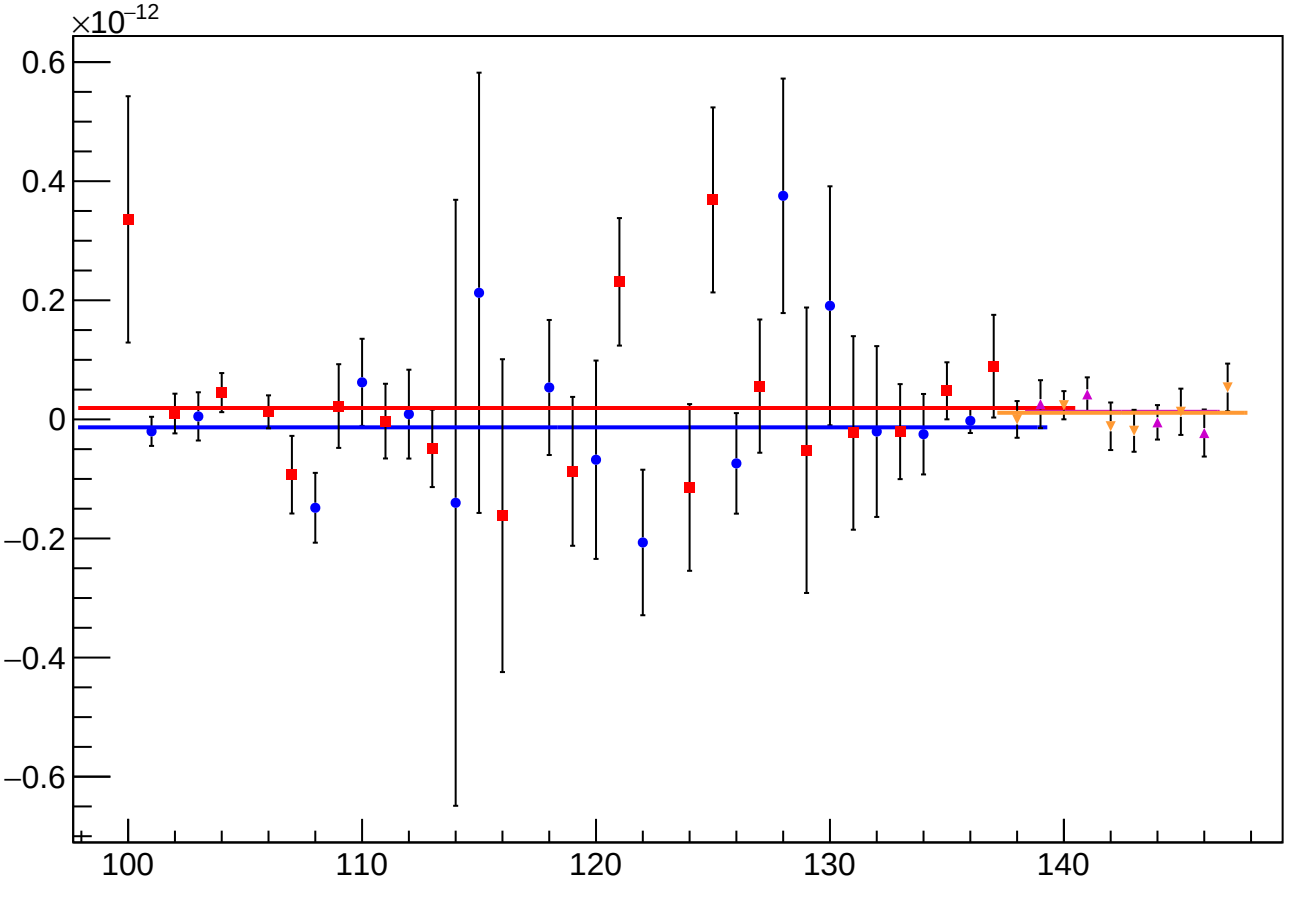
Left: 968.869+/-0.245 χ^2/NDF: 400776.2/9

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 626.613+/-0.154 χ^2/NDF:4806378.1/19

Out: 661.023+/-0.149 χ^2/NDF:4206208.1/24

All: 644.348+/-0.107 χ^2/NDF: 9038401.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/3

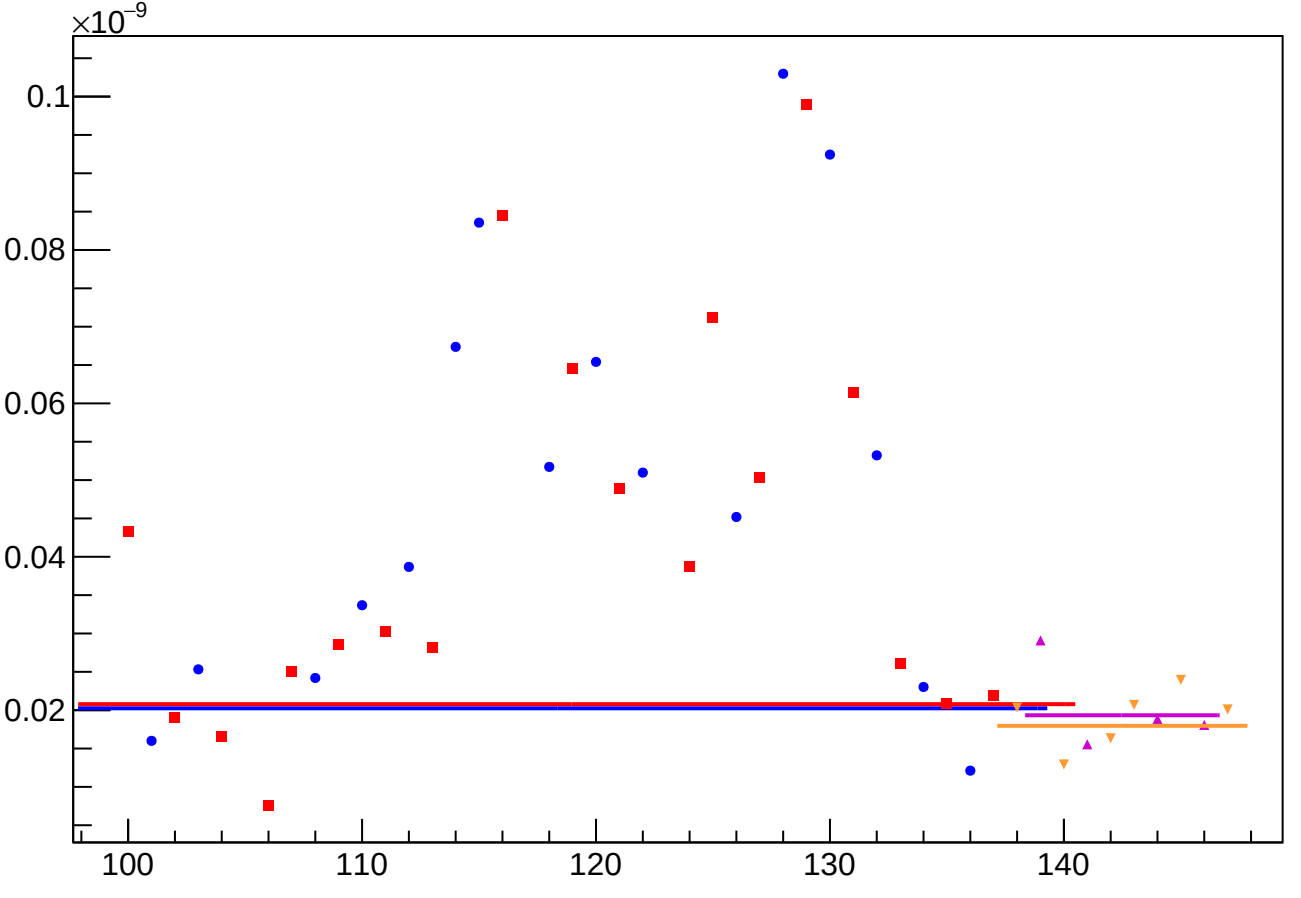
Left: 0.000+/-0.000 χ^2/NDF: 5.0/9

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:19.8/19

Out: 0.000+/-0.000 χ^2/NDF:22.7/24

All: 0.000+/-0.000 χ^2/NDF: 44.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:171092.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:155551.1/3

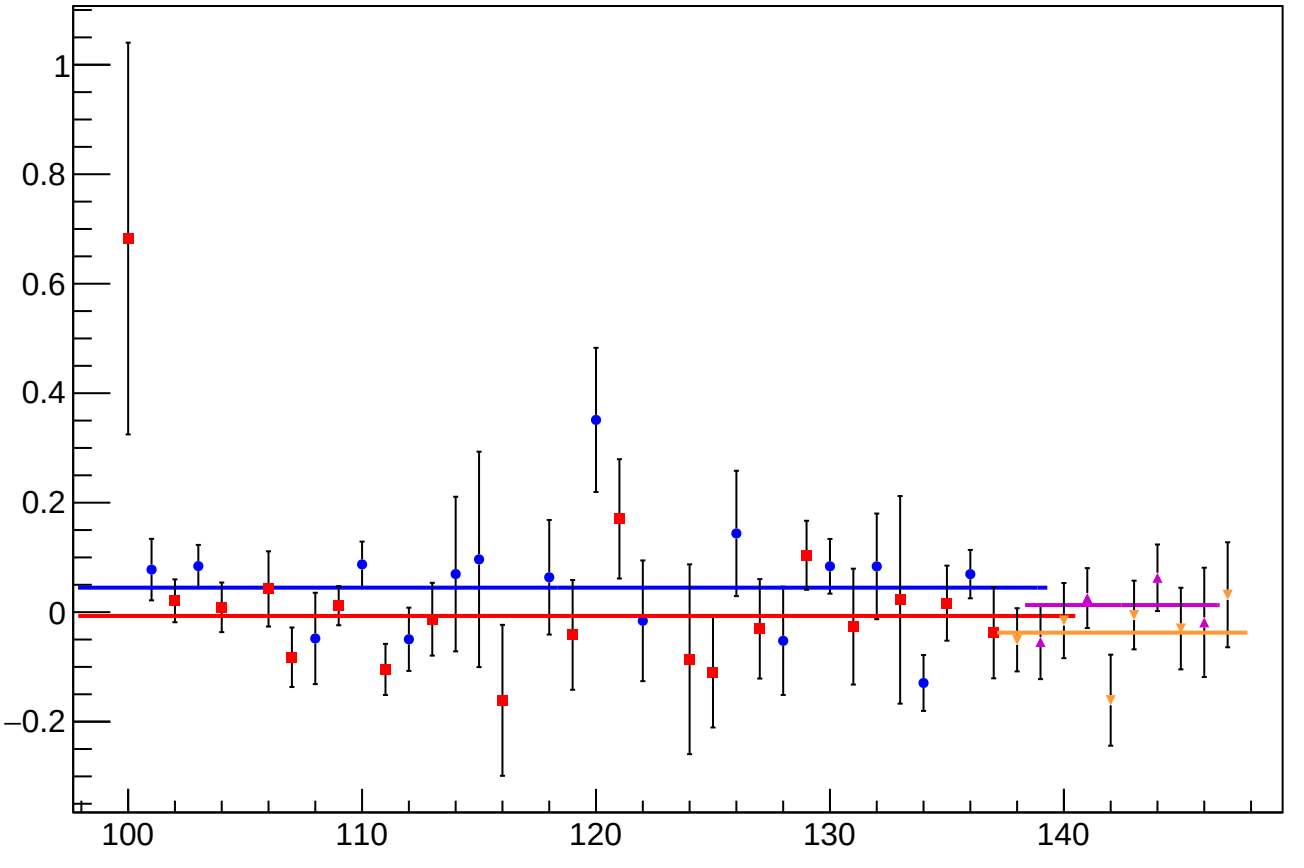
Left: 0.000+/-0.000 χ^2/NDF: 334985.0/9

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2163988.6/19

Out: 0.000+/-0.000 χ^2/NDF:2069780.6/24

All: 0.000+/-0.000 χ^2/NDF: 4237076.1/44



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.013+/-0.033 χ^2/NDF:1.8/3

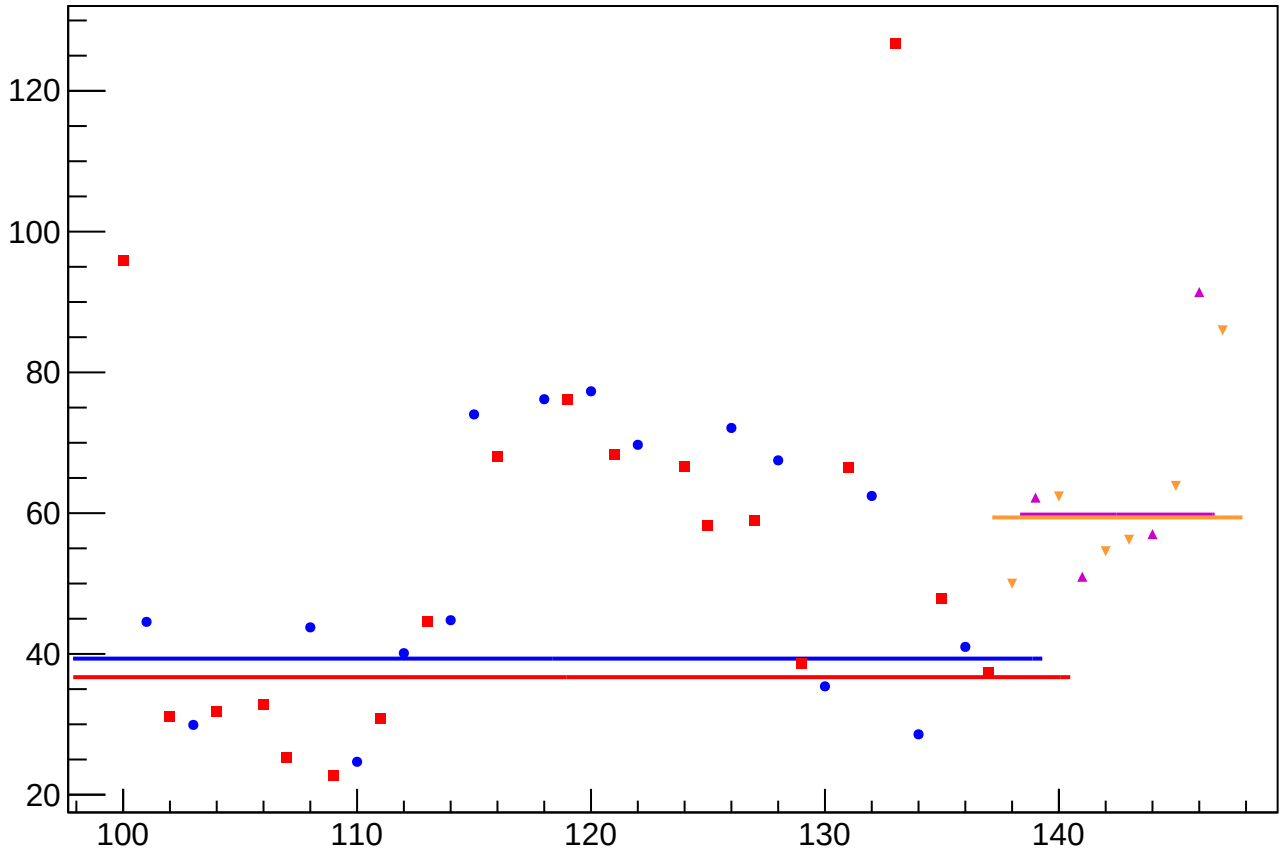
Left: -0.016+/-0.022 χ^2/NDF: 6.3/9

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.014 χ^2/NDF:29.2/19

Out: -0.013+/-0.013 χ^2/NDF:24.2/24

All: 0.011+/-0.010 χ^2/NDF: 60.4/44



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.391+/-0.020 χ^2/NDF:229773.6/5

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 59.795+/-0.023 χ^2/NDF:259183.8/3

Left: 59.567+/-0.015 χ^2/NDF: 489127.6/9

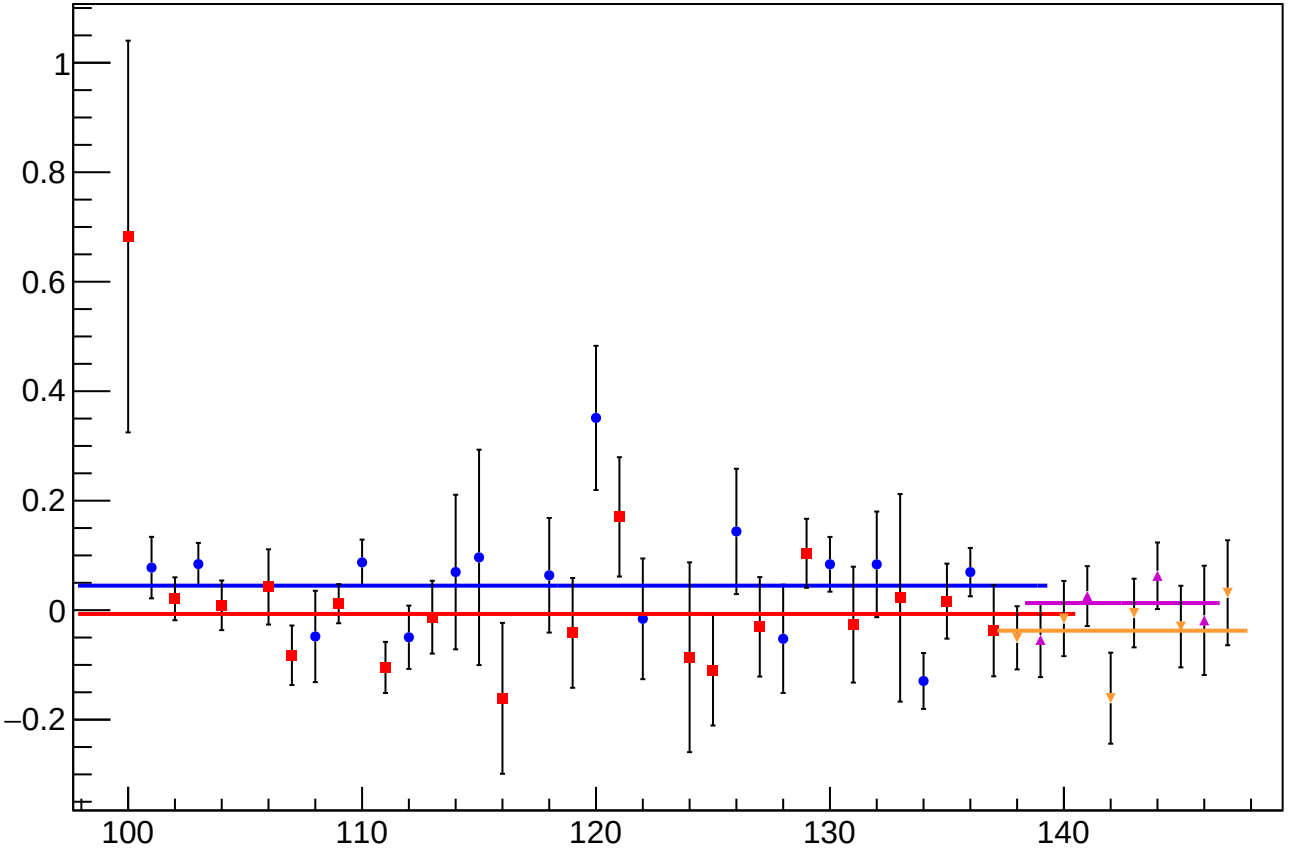
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 43.245+/-0.010 χ^2/NDF:2449067.6/19

Out: 41.579+/-0.009 χ^2/NDF:3296394.2/24

All: 42.351+/-0.007 χ^2/NDF: 5759799.7/44

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.013+/-0.033 χ^2/NDF:1.8/3

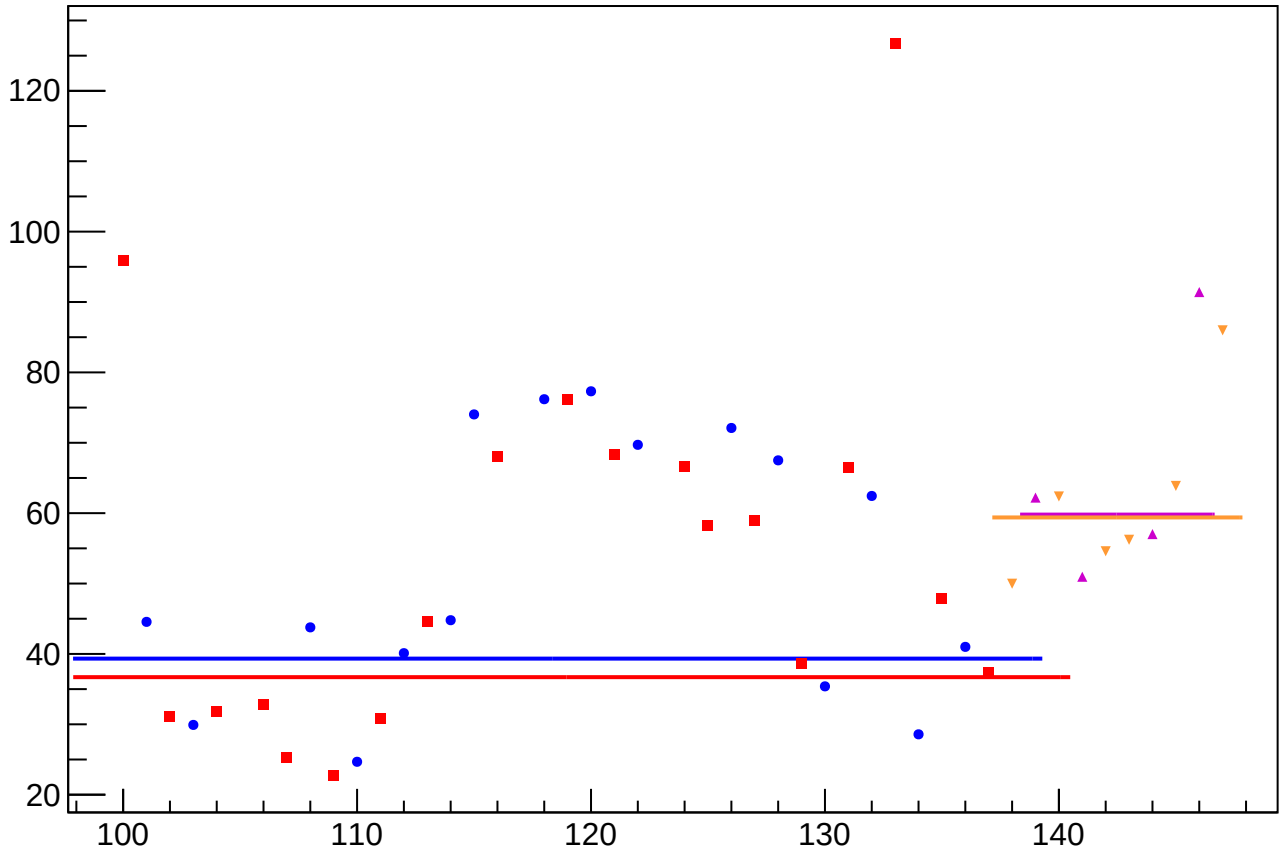
Left: -0.016+/-0.022 χ^2/NDF: 6.3/9

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.014 χ^2/NDF:29.2/19

Out: -0.013+/-0.013 χ^2/NDF:24.2/24

All: 0.011+/-0.010 χ^2/NDF: 60.4/44



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.391+/-0.020 χ^2/NDF:229773.6/5

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 59.795+/-0.023 χ^2/NDF:259183.8/3

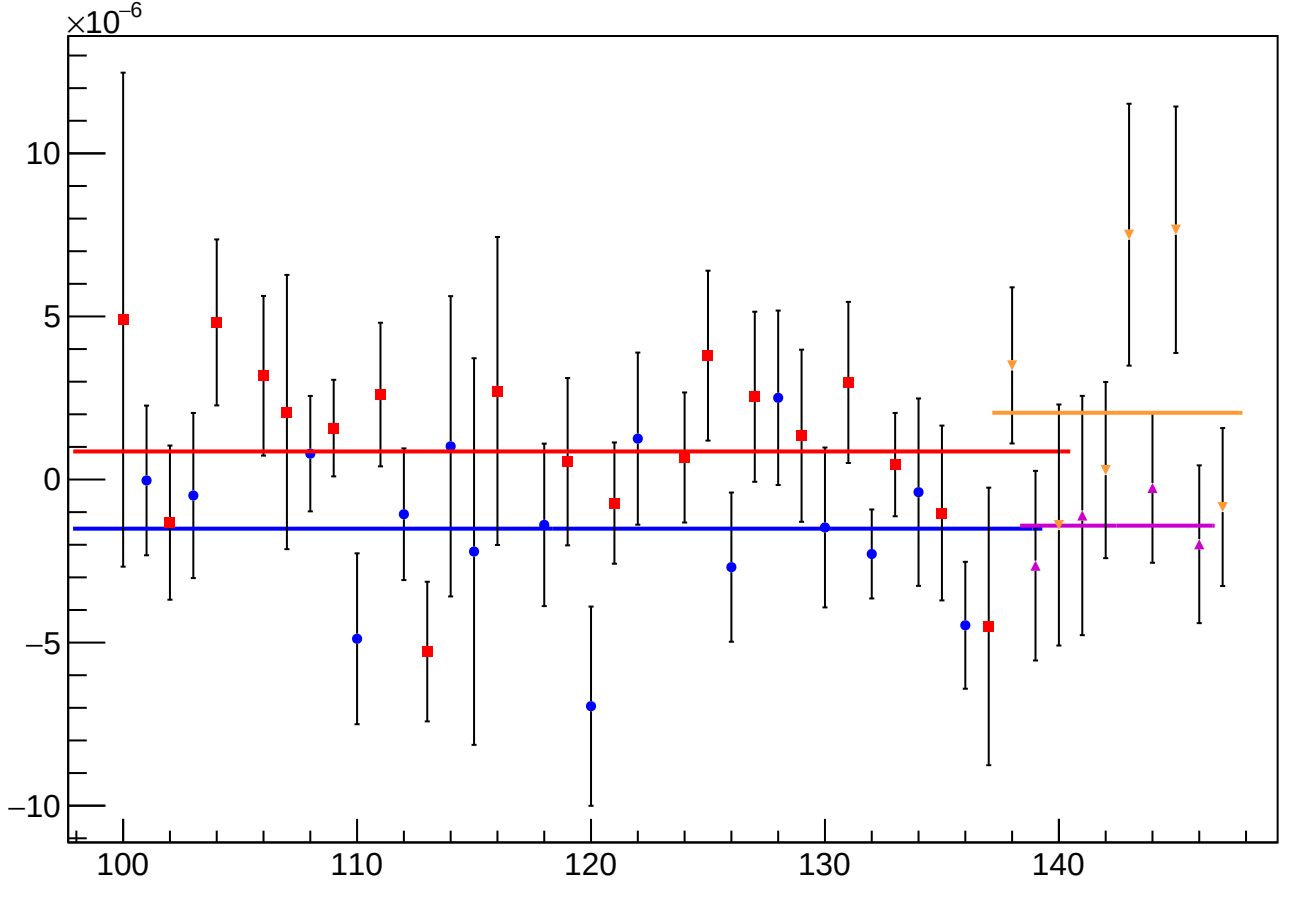
Left: 59.567+/-0.015 χ^2/NDF: 489127.6/9

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 43.245+/-0.010 χ^2/NDF:2449067.6/19

Out: 41.579+/-0.009 χ^2/NDF:3296394.2/24

All: 42.351+/-0.007 χ^2/NDF: 5759799.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

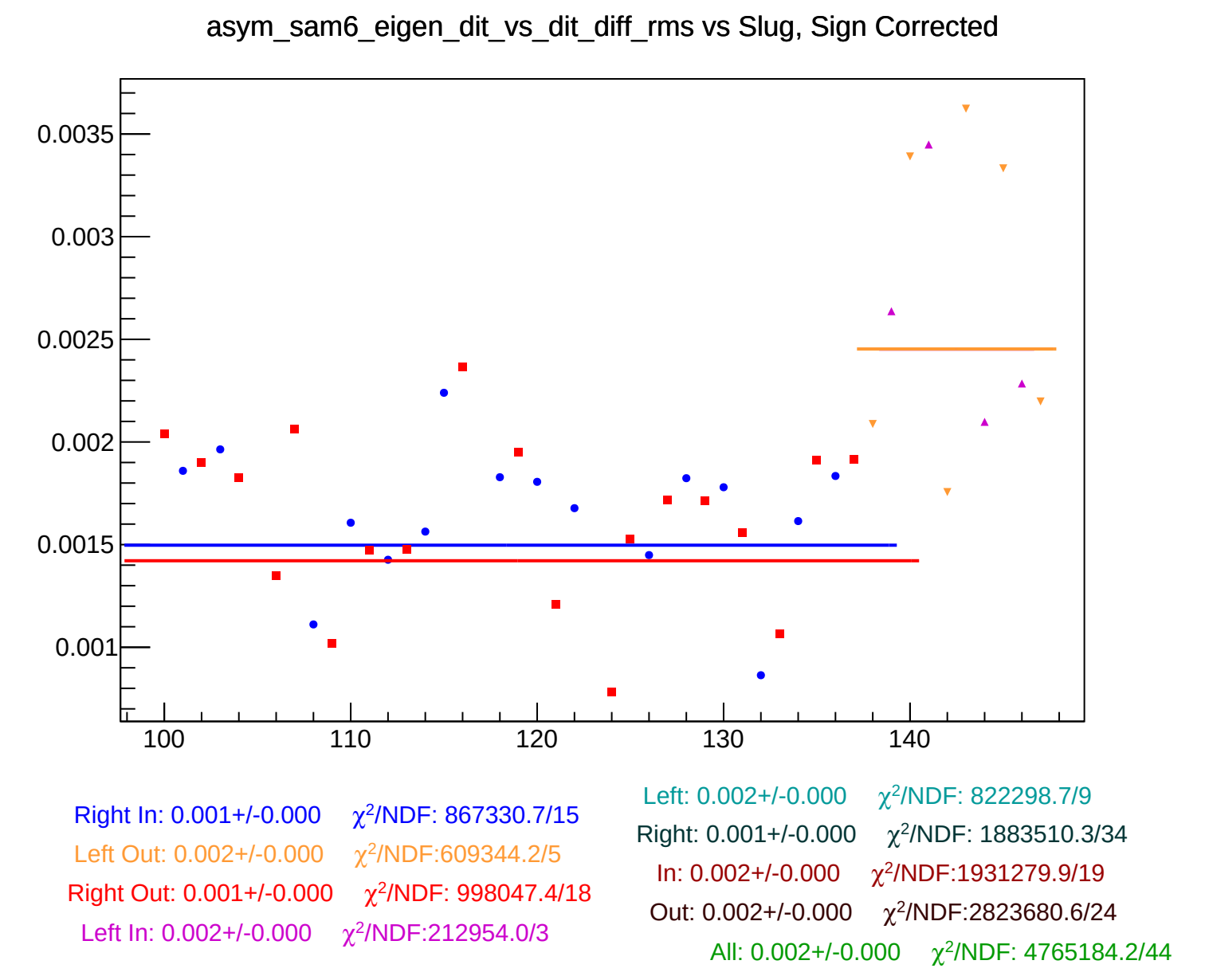
Left: 0.000+/-0.000 χ^2/NDF: 11.3/9

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

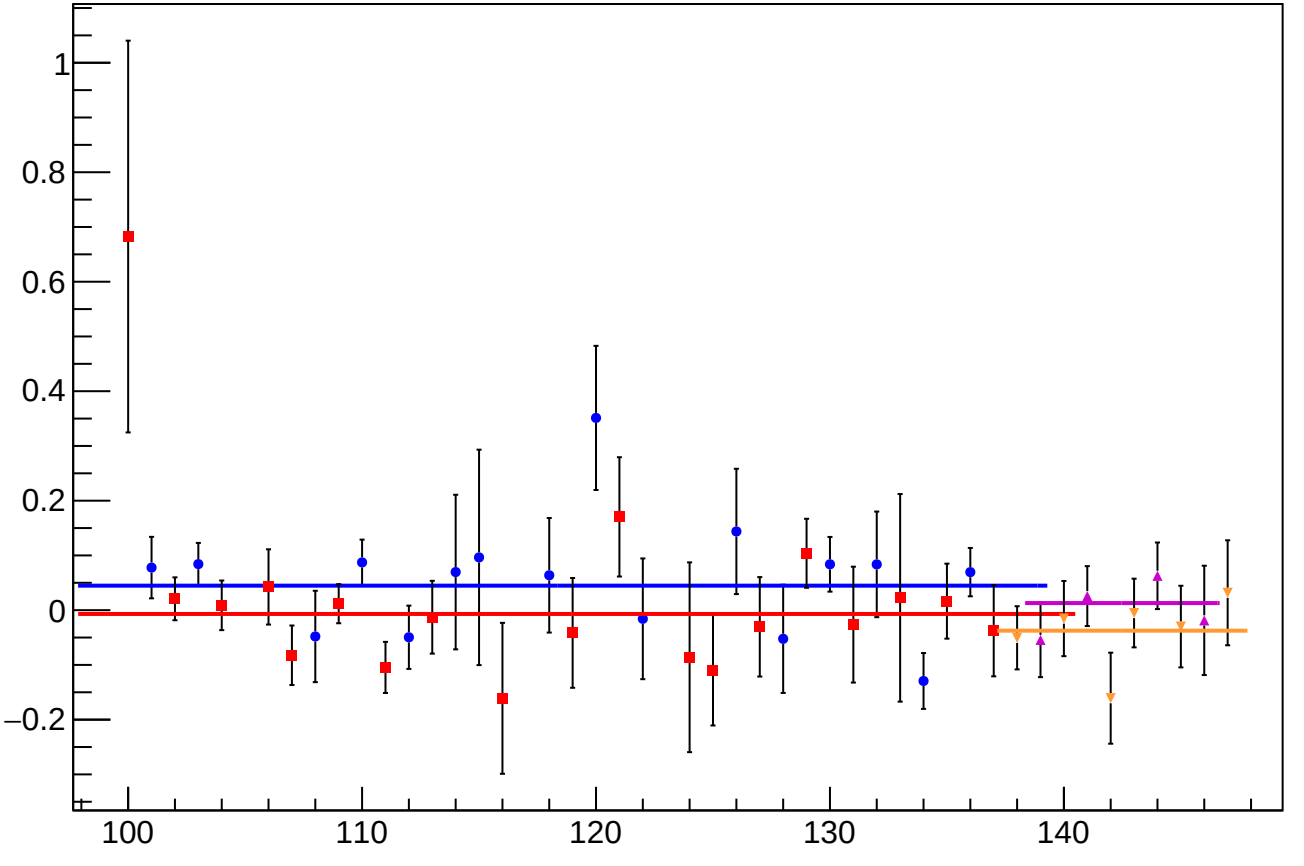
In: -0.000+/-0.000 χ^2/NDF:14.4/19

Out: 0.000+/-0.000 χ^2/NDF:27.1/24

All: -0.000+/-0.000 χ^2/NDF: 53.7/44


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:609344.2/5
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.002+/-0.000 χ²/NDF:212954.0/3
Left: 0.002+/-0.000 χ²/NDF: 822298.7/9
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:1931279.9/19
Out: 0.002+/-0.000 χ²/NDF:2823680.6/24
All: 0.002+/-0.000 χ²/NDF: 4765184.2/44

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: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.013+/-0.033 χ^2/NDF:1.8/3

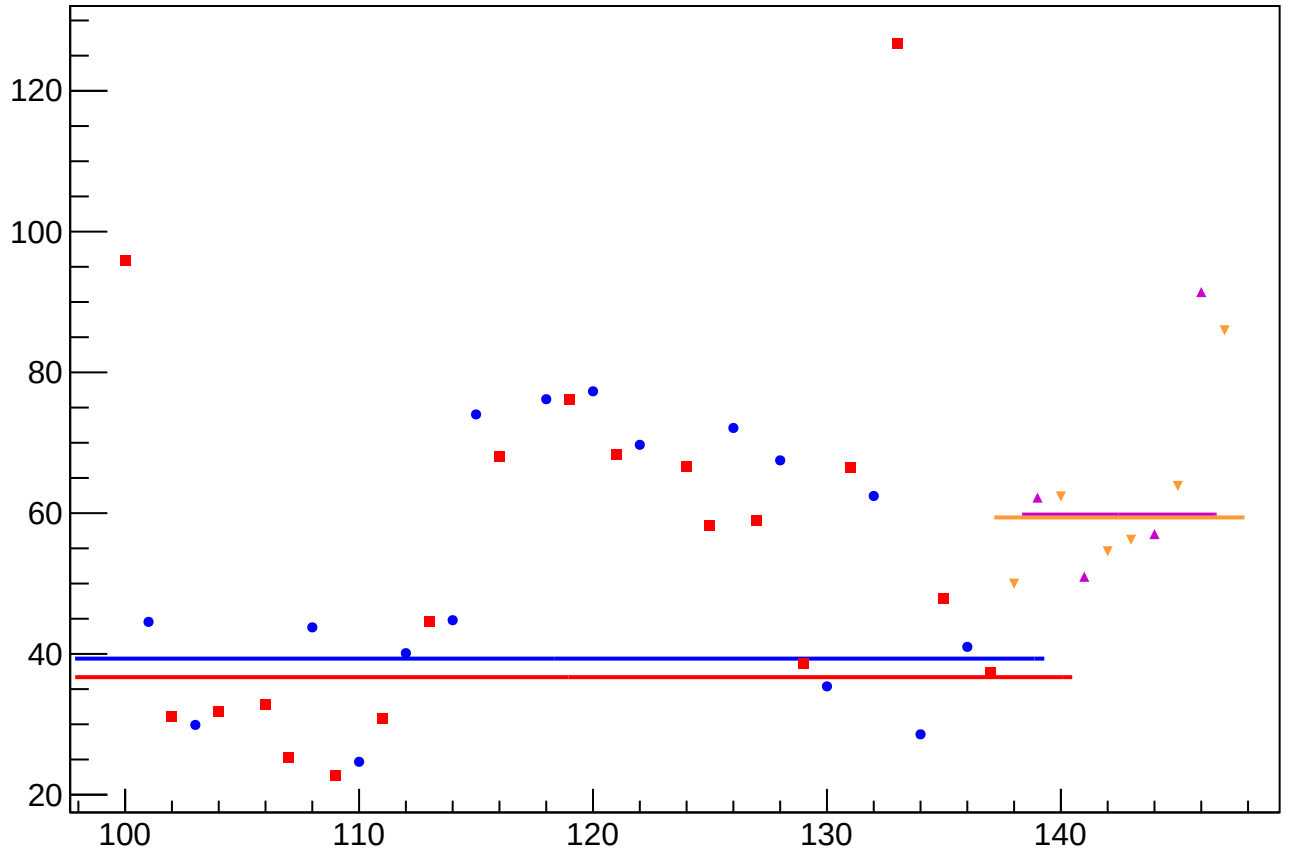
Left: -0.016+/-0.022 χ^2/NDF: 6.3/9

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.014 χ^2/NDF:29.2/19

Out: -0.013+/-0.013 χ^2/NDF:24.2/24

All: 0.011+/-0.010 χ^2/NDF: 60.4/44



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.391+/-0.020 χ^2/NDF:229763.4/5

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 59.795+/-0.023 χ^2/NDF:259194.4/3

Left: 59.566+/-0.015 χ^2/NDF: 489128.1/9

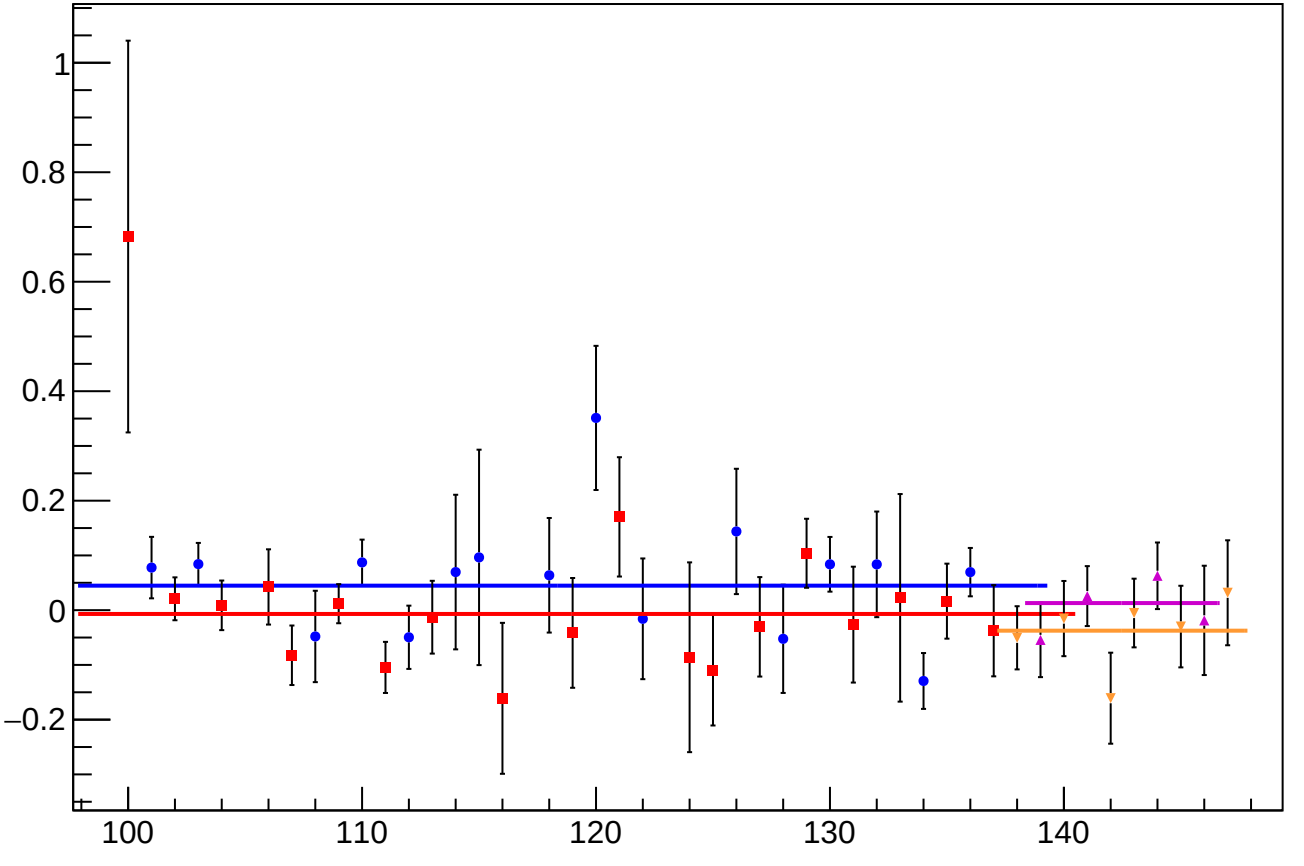
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 43.244+/-0.010 χ^2/NDF:2449104.0/19

Out: 41.579+/-0.009 χ^2/NDF:3296363.7/24

All: 42.350+/-0.007 χ^2/NDF: 5759801.4/44

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: -0.037+/-0.029 χ^2/NDF:3.2/5

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.013+/-0.033 χ^2/NDF:1.8/3

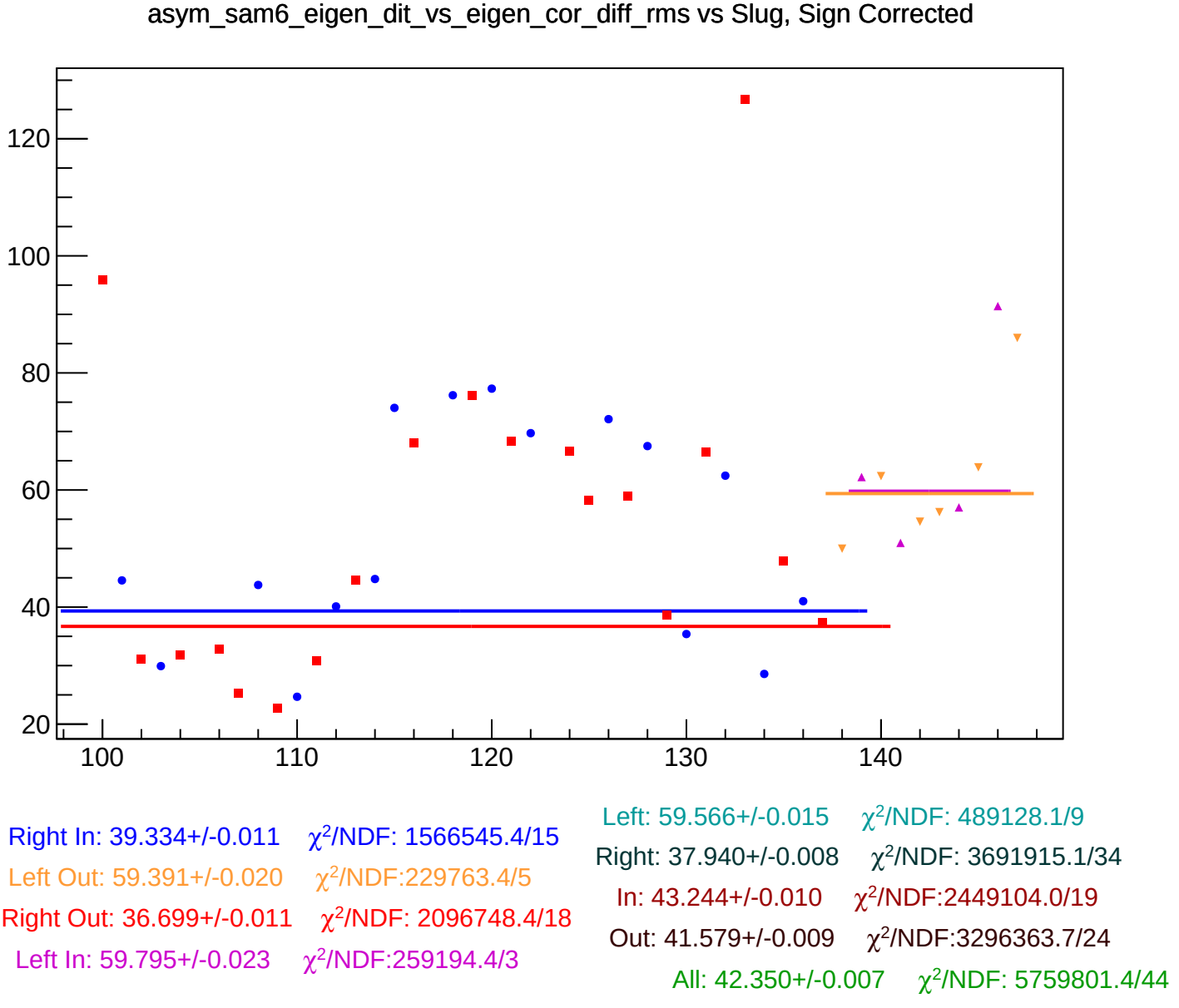
Left: -0.016+/-0.022 χ^2/NDF: 6.3/9

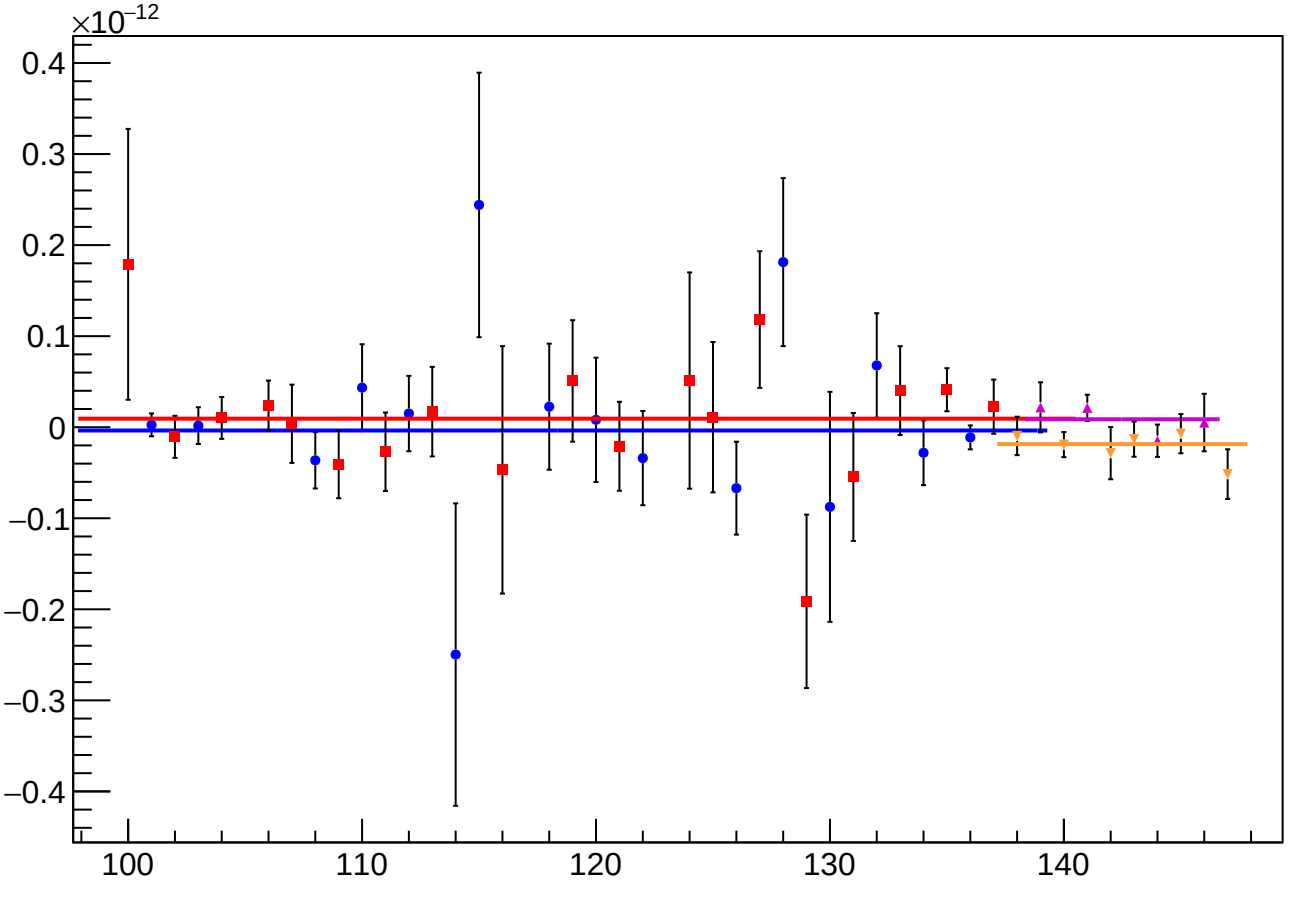
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.014 χ^2/NDF:29.2/19

Out: -0.013+/-0.013 χ^2/NDF:24.2/24

All: 0.011+/-0.010 χ^2/NDF: 60.4/44


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
100
80
60
40
20
100
110
120
130
140
Right In: 39.334+/-0.011 χ²/NDF: 1566545.4/15
Left Out: 59.391+/-0.020 χ²/NDF:229763.4/5
Right Out: 36.699+/-0.011 χ²/NDF: 2096748.4/18
Left In: 59.795+/-0.023 χ²/NDF:259194.4/3
Left: 59.566+/-0.015 χ²/NDF: 489128.1/9
Right: 37.940+/-0.008 χ²/NDF: 3691915.1/34
In: 43.244+/-0.010 χ²/NDF:2449104.0/19
Out: 41.579+/-0.009 χ²/NDF:3296363.7/24
All: 42.350+/-0.007 χ²/NDF: 5759801.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

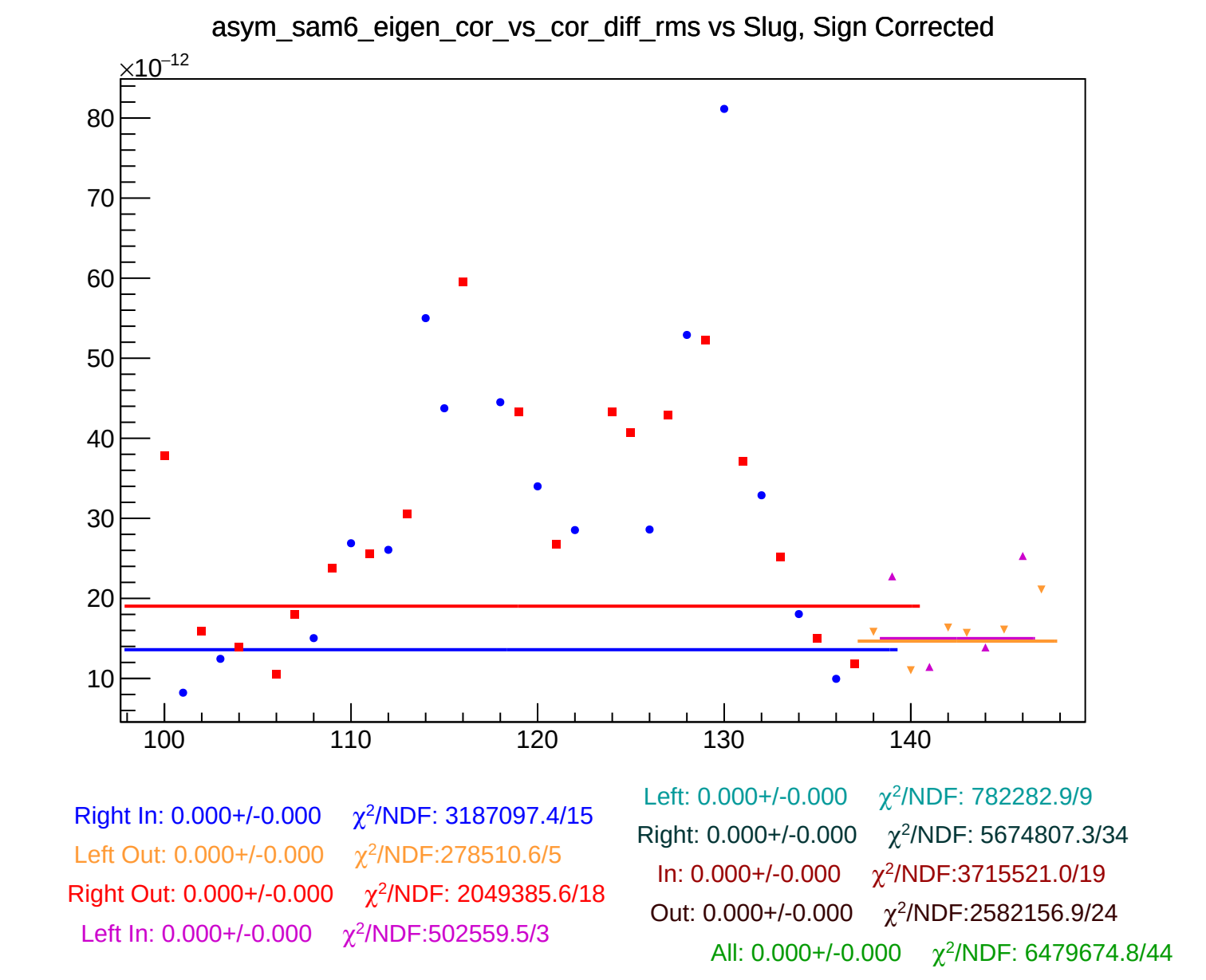
Left: -0.000+/-0.000 χ^2/NDF: 9.4/9

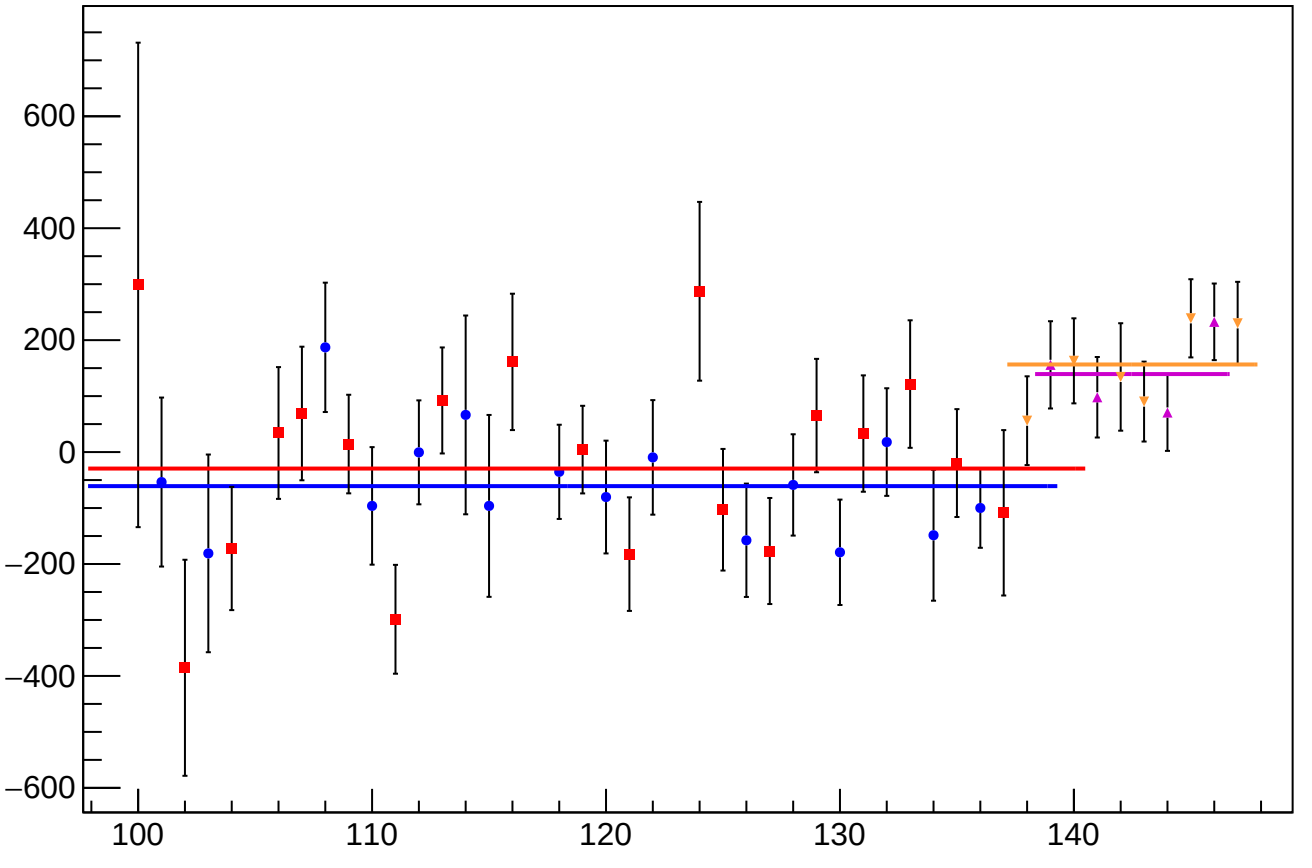
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:20.4/19

Out: -0.000+/-0.000 χ^2/NDF:23.1/24

All: -0.000+/-0.000 χ^2/NDF: 44.1/44


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
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:278510.6/5
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:502559.5/3
Left: 0.000+/-0.000 χ²/NDF: 782282.9/9
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:3715521.0/19
Out: 0.000+/-0.000 χ²/NDF:2582156.9/24
All: 0.000+/-0.000 χ²/NDF: 6479674.8/44



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 156.518+/-31.254 χ^2/NDF:4.9/5

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 139.391+/-35.711 χ^2/NDF:3.2/3

Left: 149.089+/-23.519 χ^2/NDF: 8.3/9

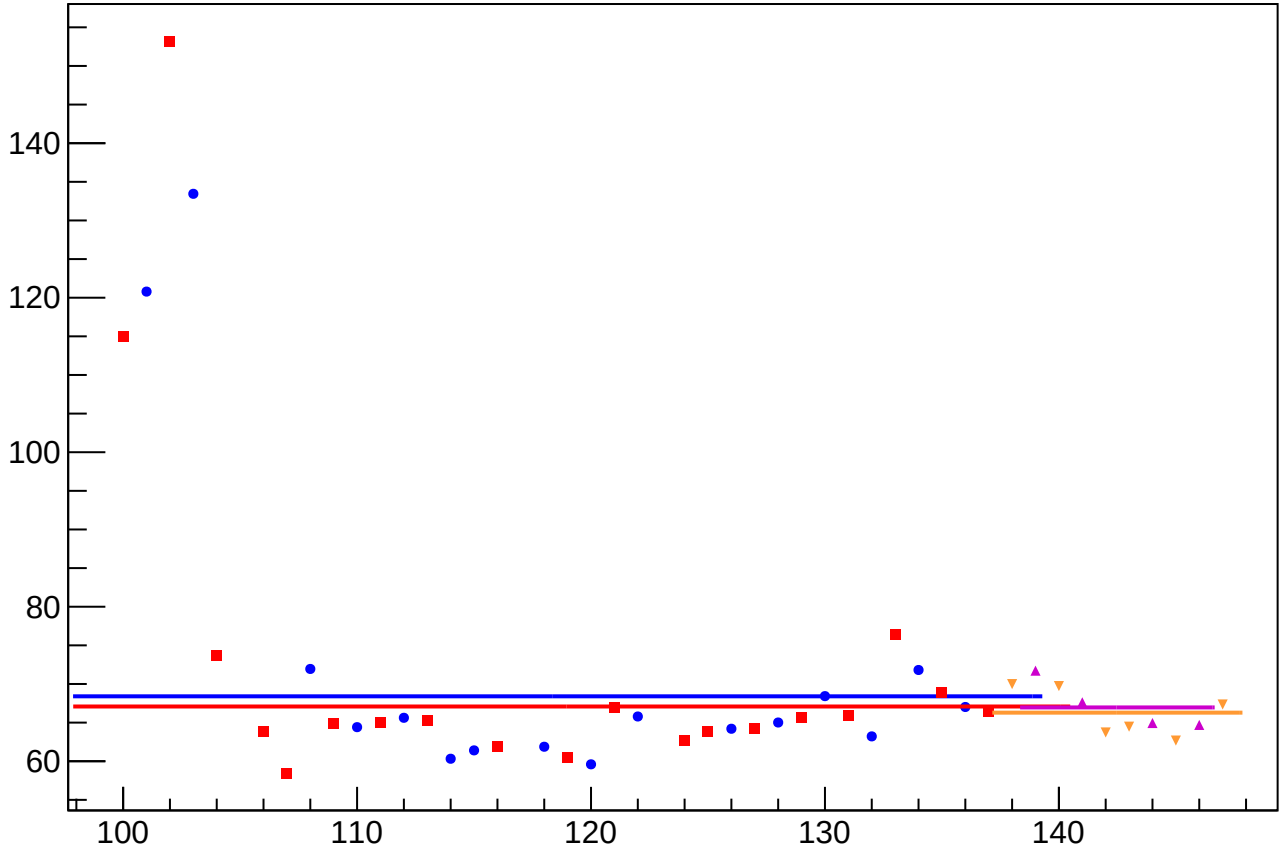
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 8.711+/-21.047 χ^2/NDF:34.3/19

Out: 43.482+/-19.573 χ^2/NDF:57.6/24

All: 27.357+/-14.333 χ^2/NDF: 93.4/44

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 66.290+/-0.022 χ^2/NDF:16920.4/5

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

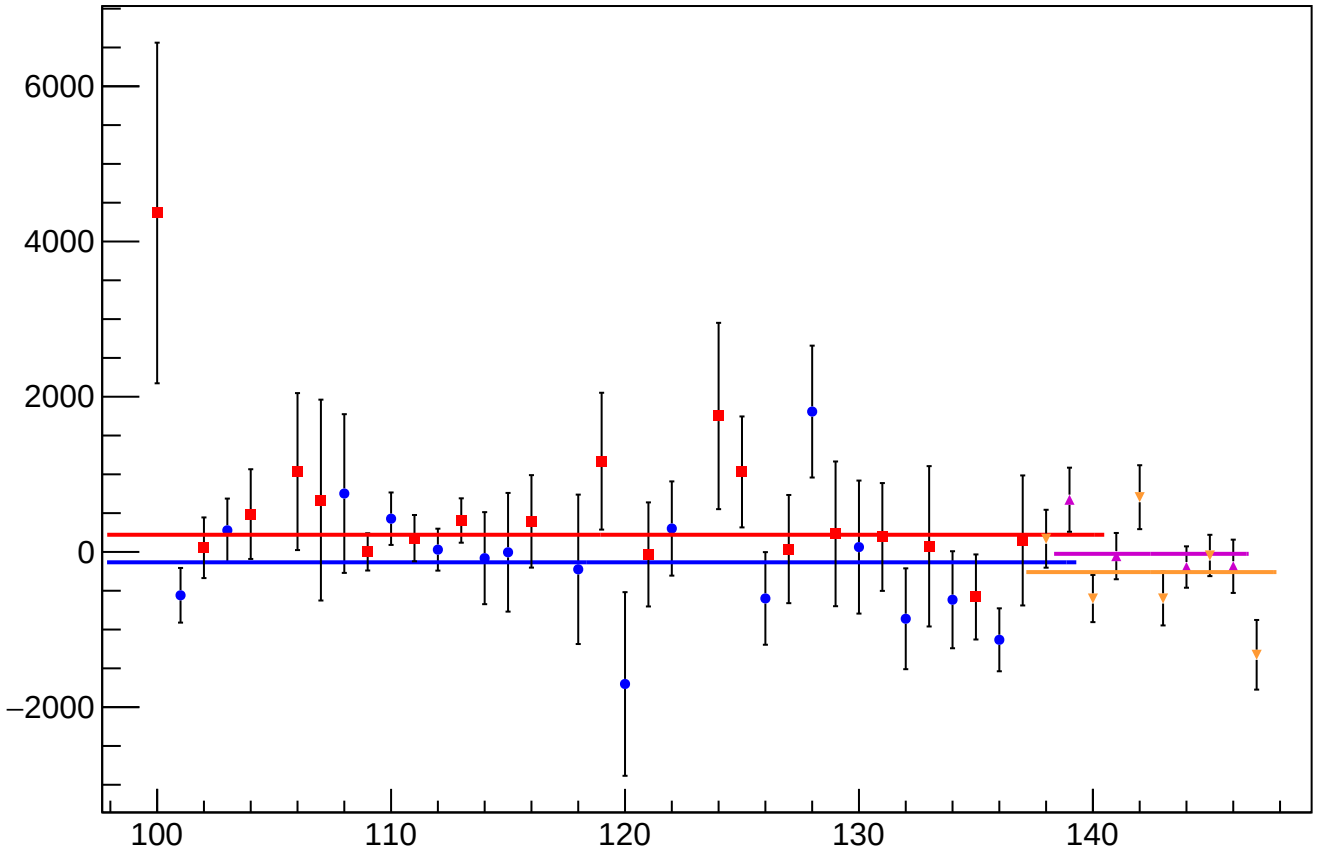
Left: 66.582+/-0.017 χ^2/NDF: 28867.0/9

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 67.903+/-0.015 χ^2/NDF:583220.6/19

Out: 66.774+/-0.014 χ^2/NDF:499524.4/24

All: 67.297+/-0.010 χ^2/NDF: 1085835.4/44



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -259.665+/-139.652 χ^2/NDF:15.3/5

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -24.412+/-158.802 χ^2/NDF:3.5/3

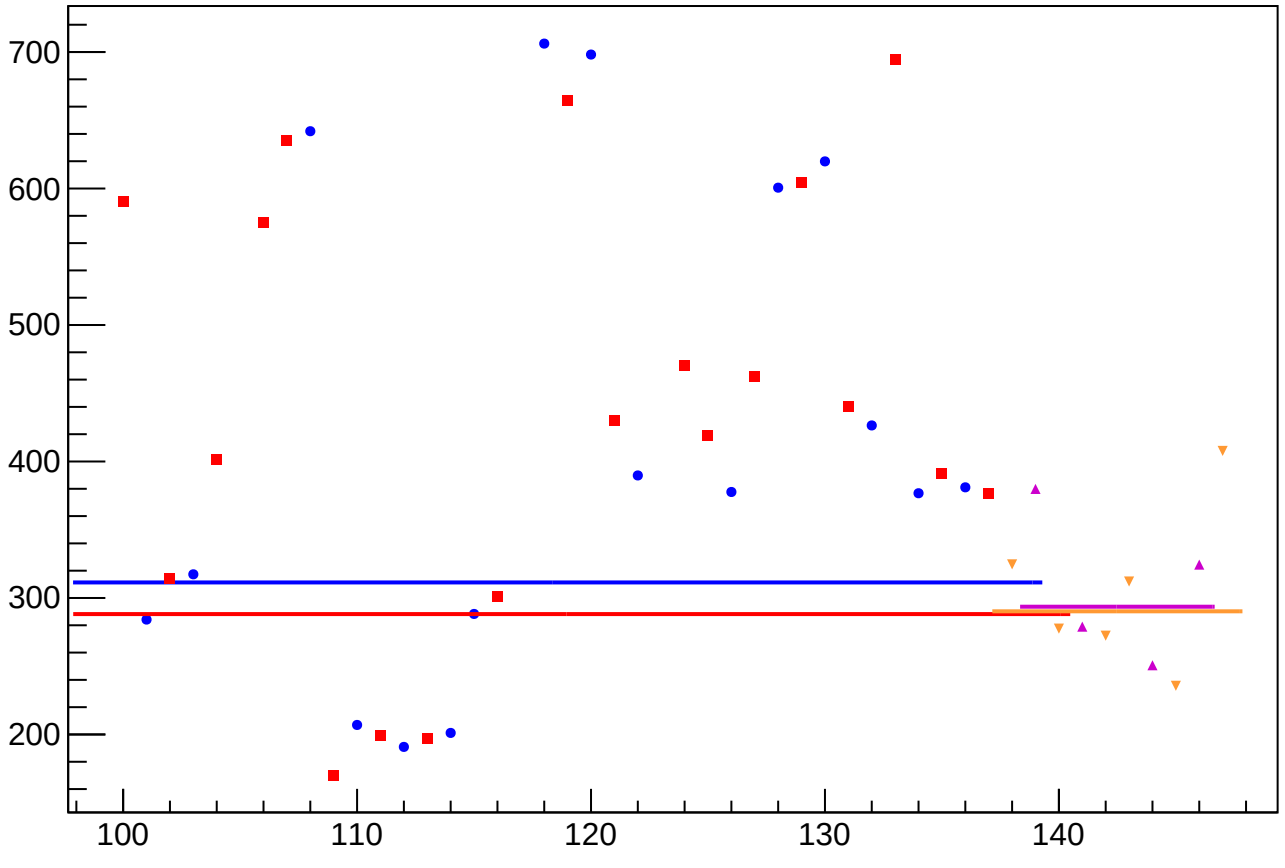
Left: -157.071+/-104.869 χ^2/NDF: 20.0/9

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -91.450+/-98.658 χ^2/NDF:26.2/19

Out: 21.397+/-90.036 χ^2/NDF:34.8/24

All: -29.881+/-66.505 χ^2/NDF: 61.8/44



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 290.231+/-0.099 χ^2/NDF:253327.1/5

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 293.607+/-0.112 χ^2/NDF:159988.9/3

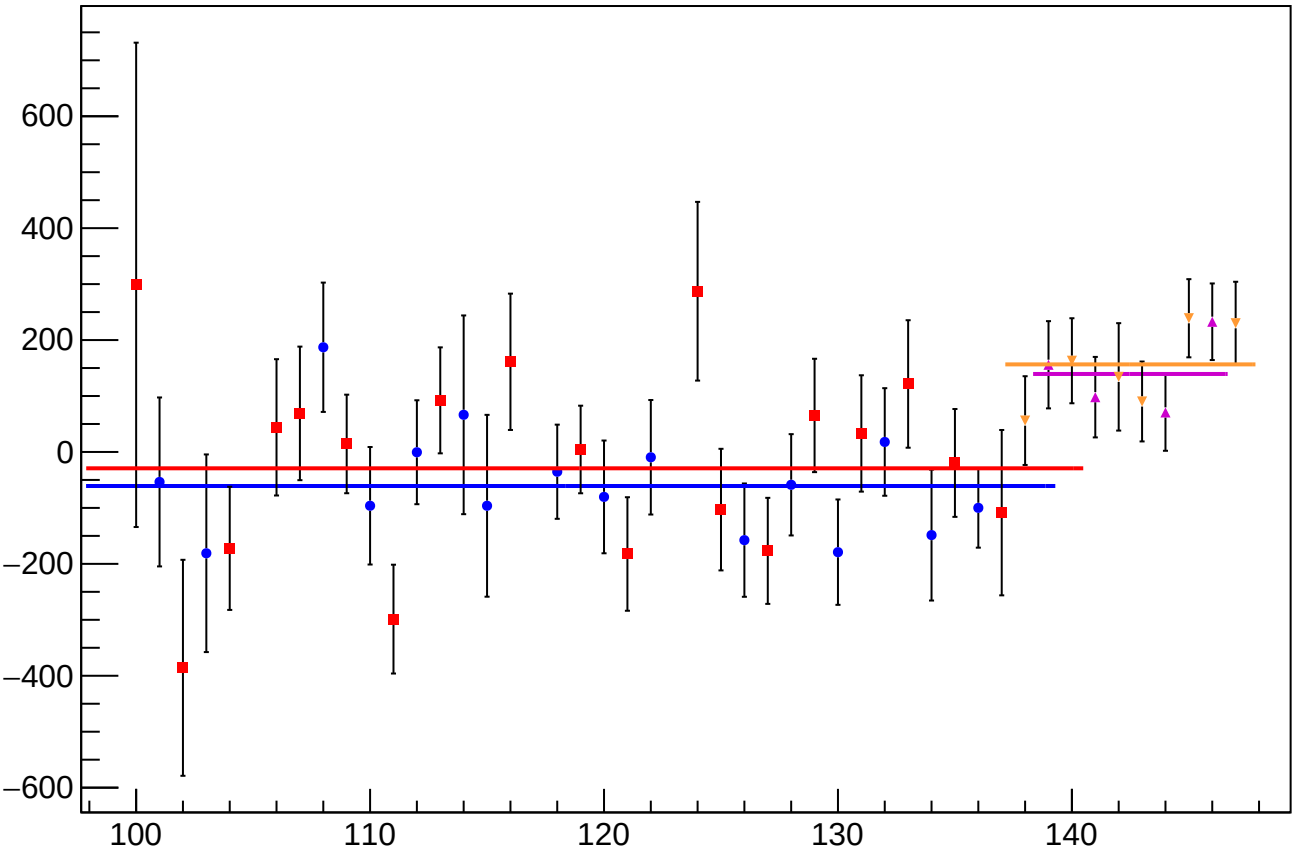
Left: 291.703+/-0.074 χ^2/NDF: 413825.9/9

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 304.524+/-0.070 χ^2/NDF:2299179.1/19

Out: 289.047+/-0.064 χ^2/NDF:2968953.6/24

All: 296.080+/-0.047 χ^2/NDF: 5294987.6/44



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 156.519+/-31.254 χ^2/NDF:4.9/5

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 139.388+/-35.711 χ^2/NDF:3.2/3

Left: 149.089+/-23.519 χ^2/NDF: 8.3/9

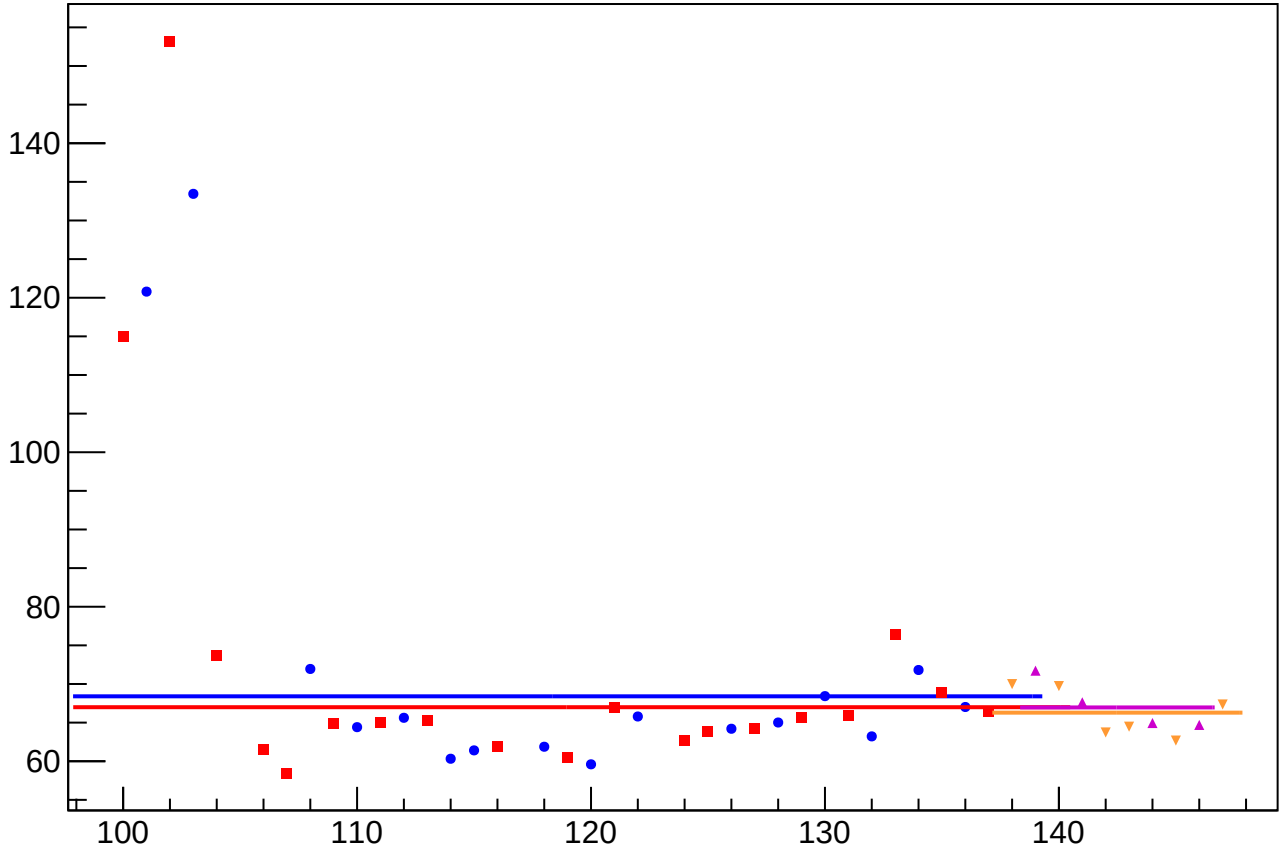
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 8.709+/-21.047 χ^2/NDF:34.3/19

Out: 43.756+/-19.591 χ^2/NDF:57.6/24

All: 27.488+/-14.340 χ^2/NDF: 93.4/44

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.290+/-0.022 χ^2/NDF:16920.4/5

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

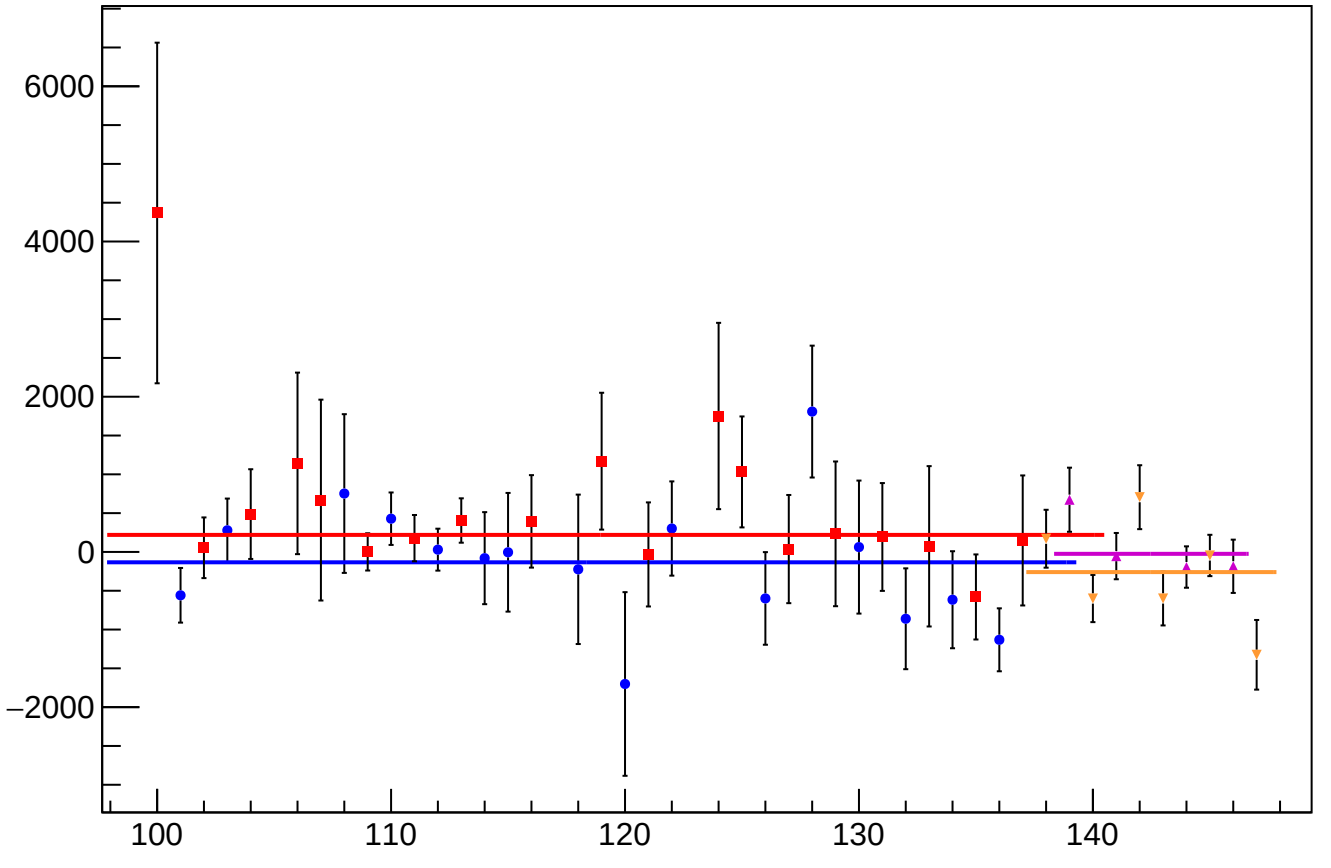
Left: 66.582+/-0.017 χ^2/NDF: 28867.0/9

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.903+/-0.015 χ^2/NDF:583220.9/19

Out: 66.718+/-0.014 χ^2/NDF:502026.1/24

All: 67.268+/-0.010 χ^2/NDF: 1088647.8/44



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -259.662+/-139.652 χ^2/NDF:15.3/5

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -24.418+/-158.802 χ^2/NDF:3.5/3

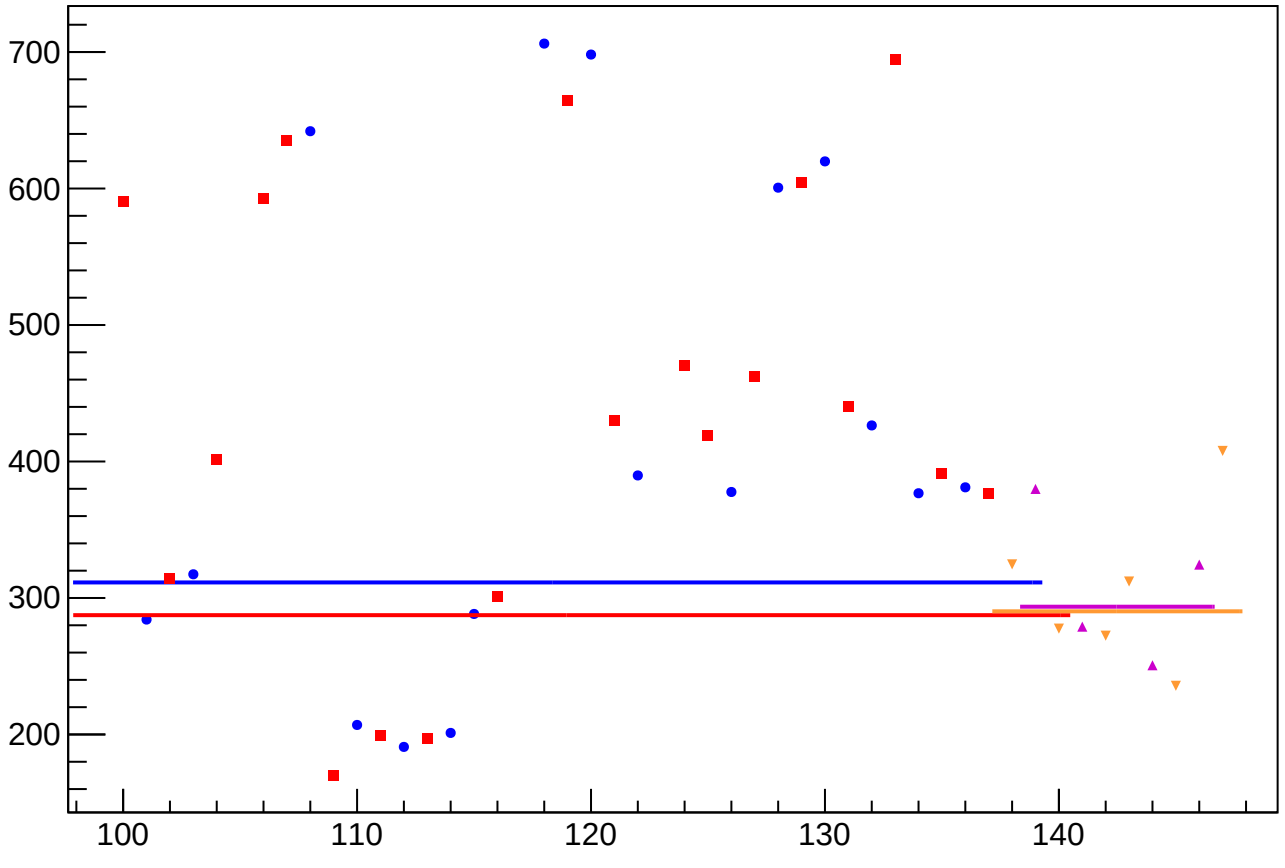
Left: -157.073+/-104.869 χ^2/NDF: 20.0/9

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -91.451+/-98.658 χ^2/NDF:26.2/19

Out: 19.990+/-90.128 χ^2/NDF:34.7/24

All: -30.705+/-66.542 χ^2/NDF: 61.6/44



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 290.230+/-0.099 χ^2/NDF:253326.2/5

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 293.608+/-0.112 χ^2/NDF:159988.4/3

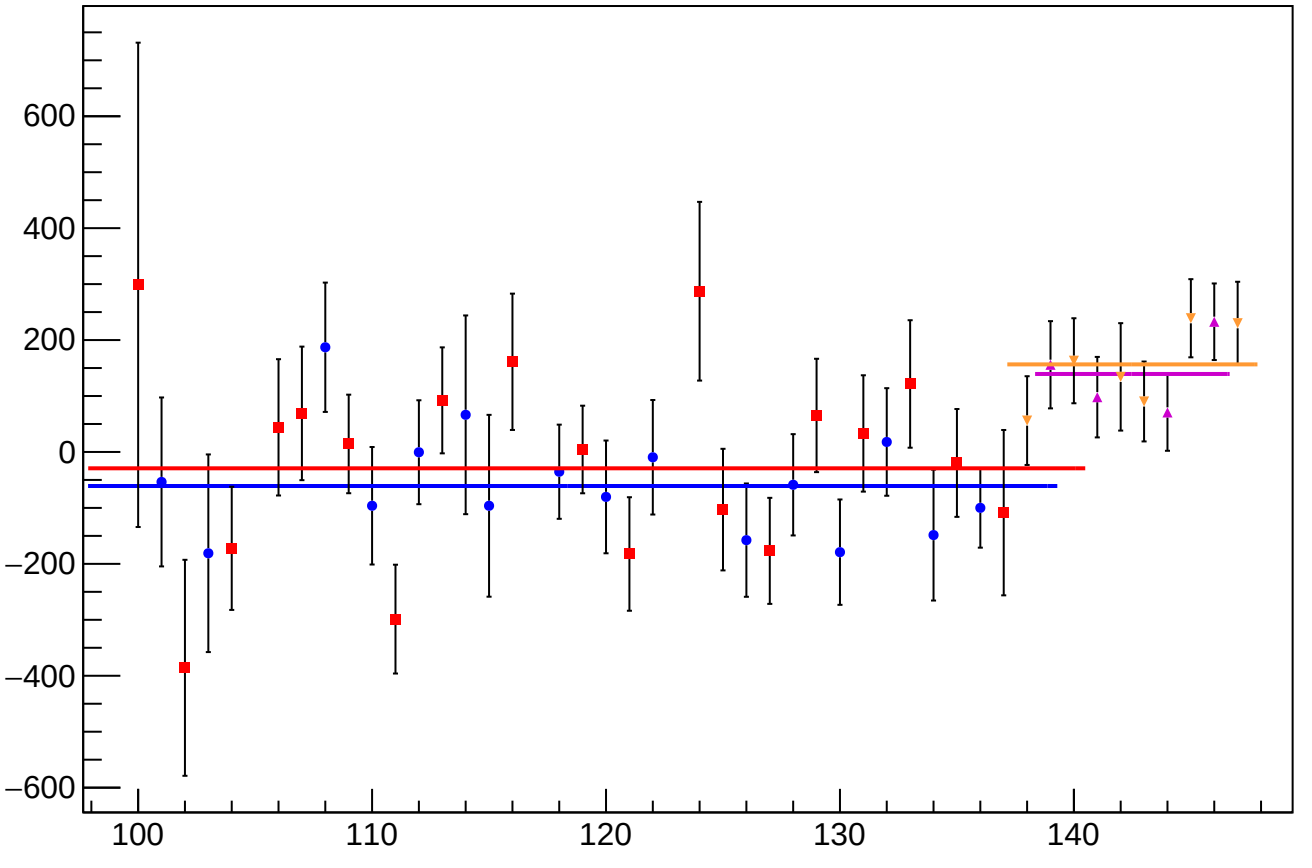
Left: 291.703+/-0.074 χ^2/NDF: 413824.8/9

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 304.525+/-0.070 χ^2/NDF:2299182.7/19

Out: 288.587+/-0.064 χ^2/NDF:2944059.2/24

All: 295.837+/-0.047 χ^2/NDF: 5271696.0/44



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 156.519+/-31.254 χ^2/NDF:4.9/5

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 139.388+/-35.711 χ^2/NDF:3.2/3

Left: 149.089+/-23.519 χ^2/NDF: 8.3/9

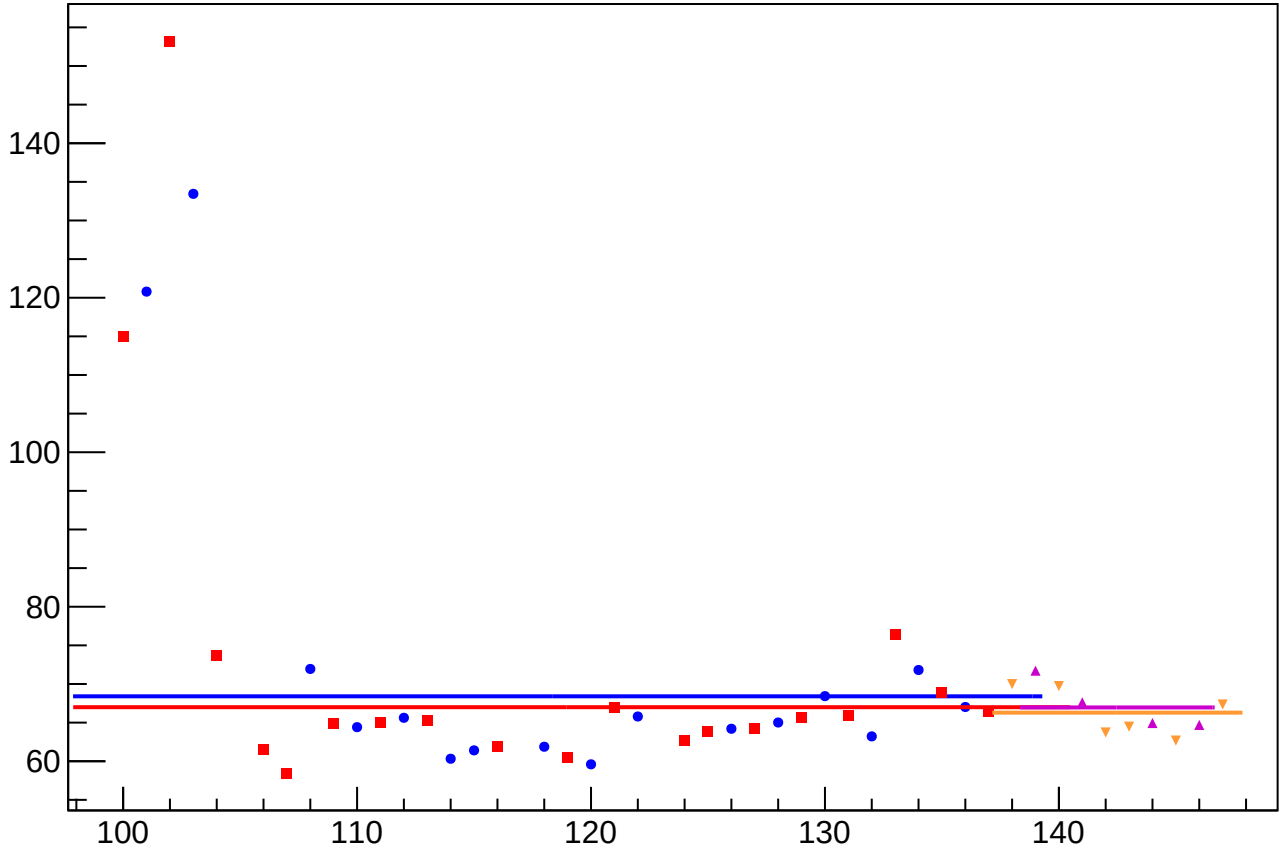
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 8.709+/-21.047 χ^2/NDF:34.3/19

Out: 43.756+/-19.591 χ^2/NDF:57.6/24

All: 27.488+/-14.340 χ^2/NDF: 93.4/44

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 66.290+/-0.022 χ^2/NDF:16920.4/5

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.964+/-0.025 χ^2/NDF:11542.6/3

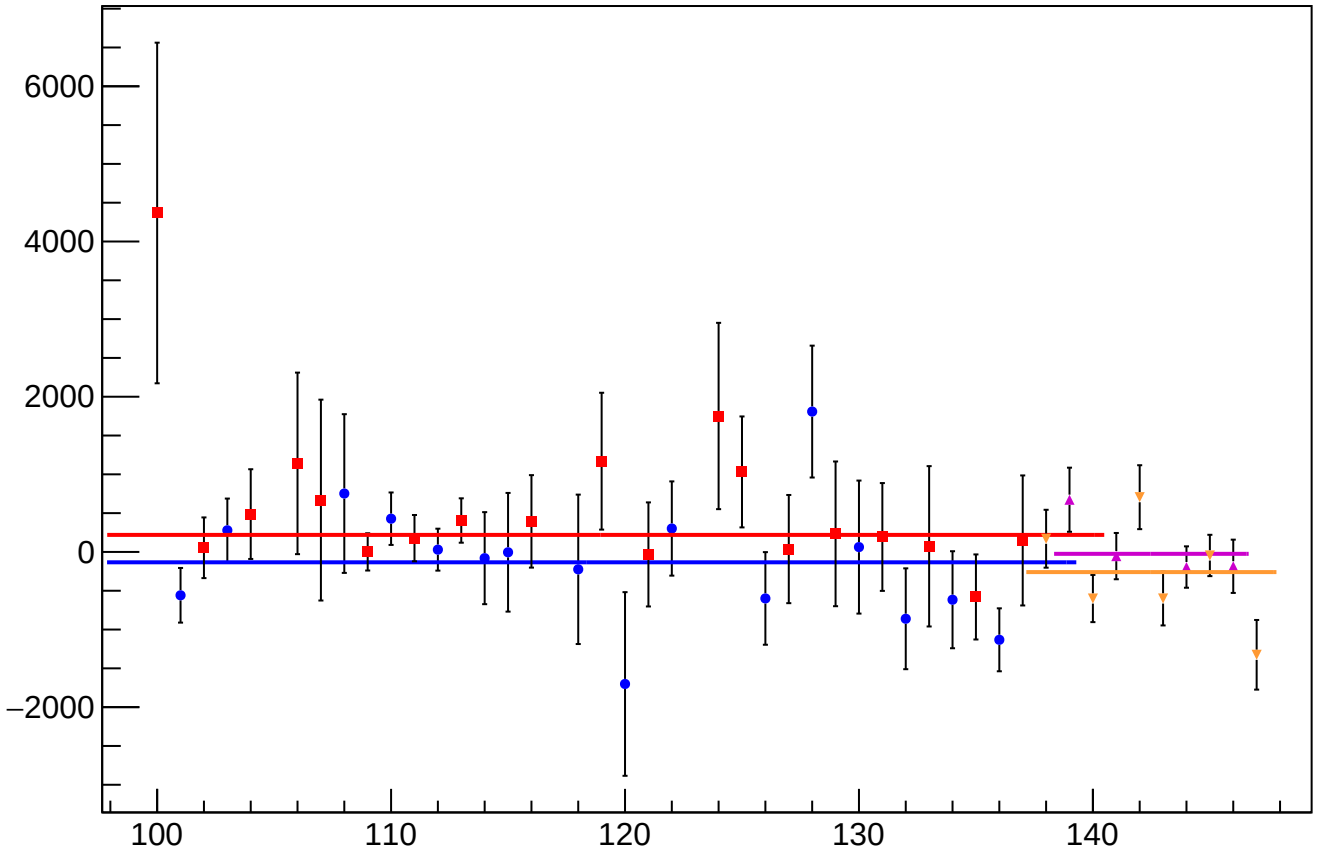
Left: 66.582+/-0.017 χ^2/NDF: 28867.0/9

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.903+/-0.015 χ^2/NDF:583220.9/19

Out: 66.718+/-0.014 χ^2/NDF:502026.1/24

All: 67.268+/-0.010 χ^2/NDF: 1088647.8/44



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -259.662+/-139.652 χ^2/NDF:15.3/5

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -24.418+/-158.802 χ^2/NDF:3.5/3

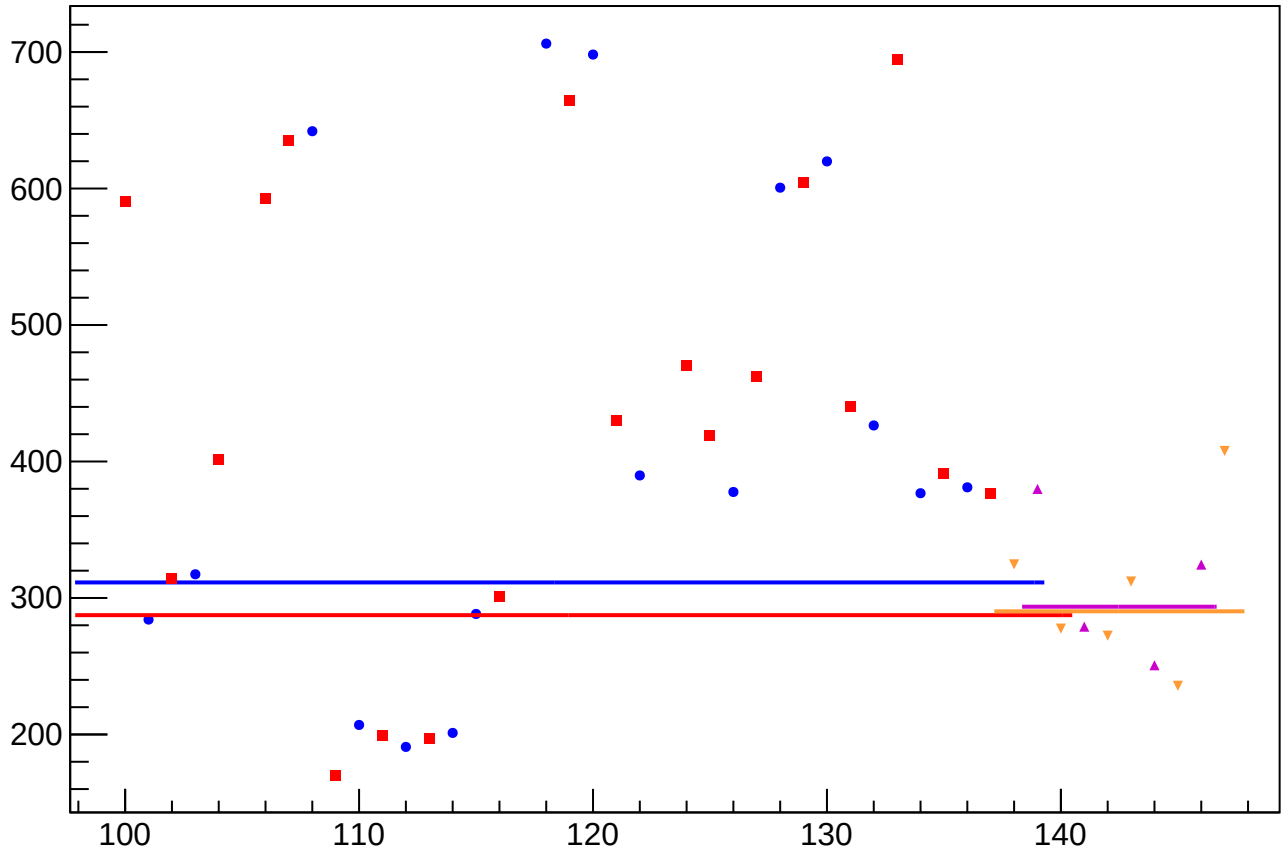
Left: -157.073+/-104.869 χ^2/NDF: 20.0/9

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -91.451+/-98.658 χ^2/NDF:26.2/19

Out: 19.990+/-90.128 χ^2/NDF:34.7/24

All: -30.705+/-66.542 χ^2/NDF: 61.6/44



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 290.230+/-0.099 χ^2/NDF:253326.2/5

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 293.608+/-0.112 χ^2/NDF:159988.4/3

Left: 291.703+/-0.074 χ^2/NDF: 413824.8/9

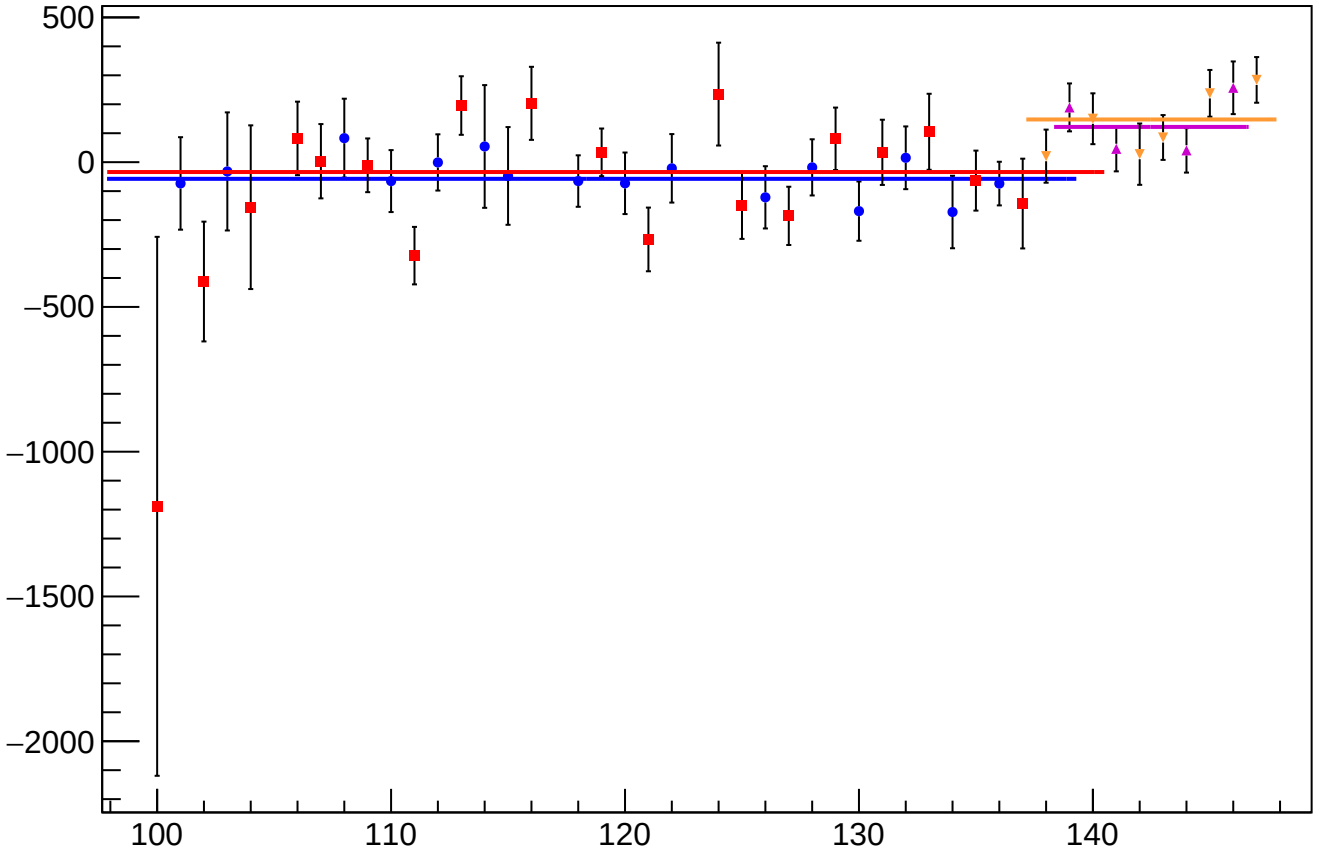
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 304.525+/-0.070 χ^2/NDF:2299182.7/19

Out: 288.587+/-0.064 χ^2/NDF:2944059.2/24

All: 295.837+/-0.047 χ^2/NDF: 5271696.0/44

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 147.493+/-34.946 χ^2/NDF:8.1/5

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 121.739+/-40.785 χ^2/NDF:4.9/3

Left: 136.590+/-26.537 χ^2/NDF: 13.2/9

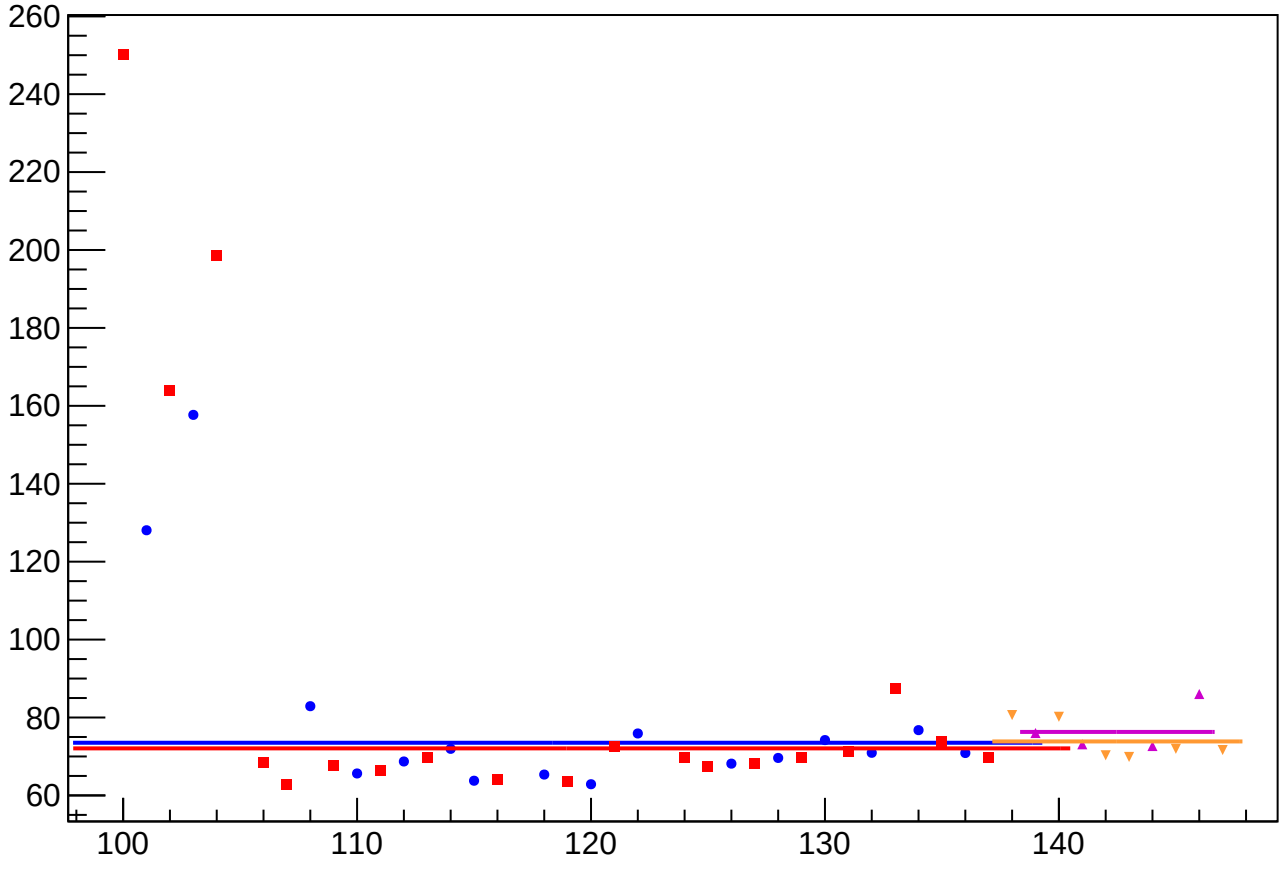
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 0.138+/-23.132 χ^2/NDF:22.9/19

Out: 35.069+/-21.561 χ^2/NDF:61.9/24

All: 18.830+/-15.772 χ^2/NDF: 86.1/44

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 73.856+/-0.025 χ^2/NDF:31481.9/5

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 76.298+/-0.029 χ^2/NDF:30667.7/3

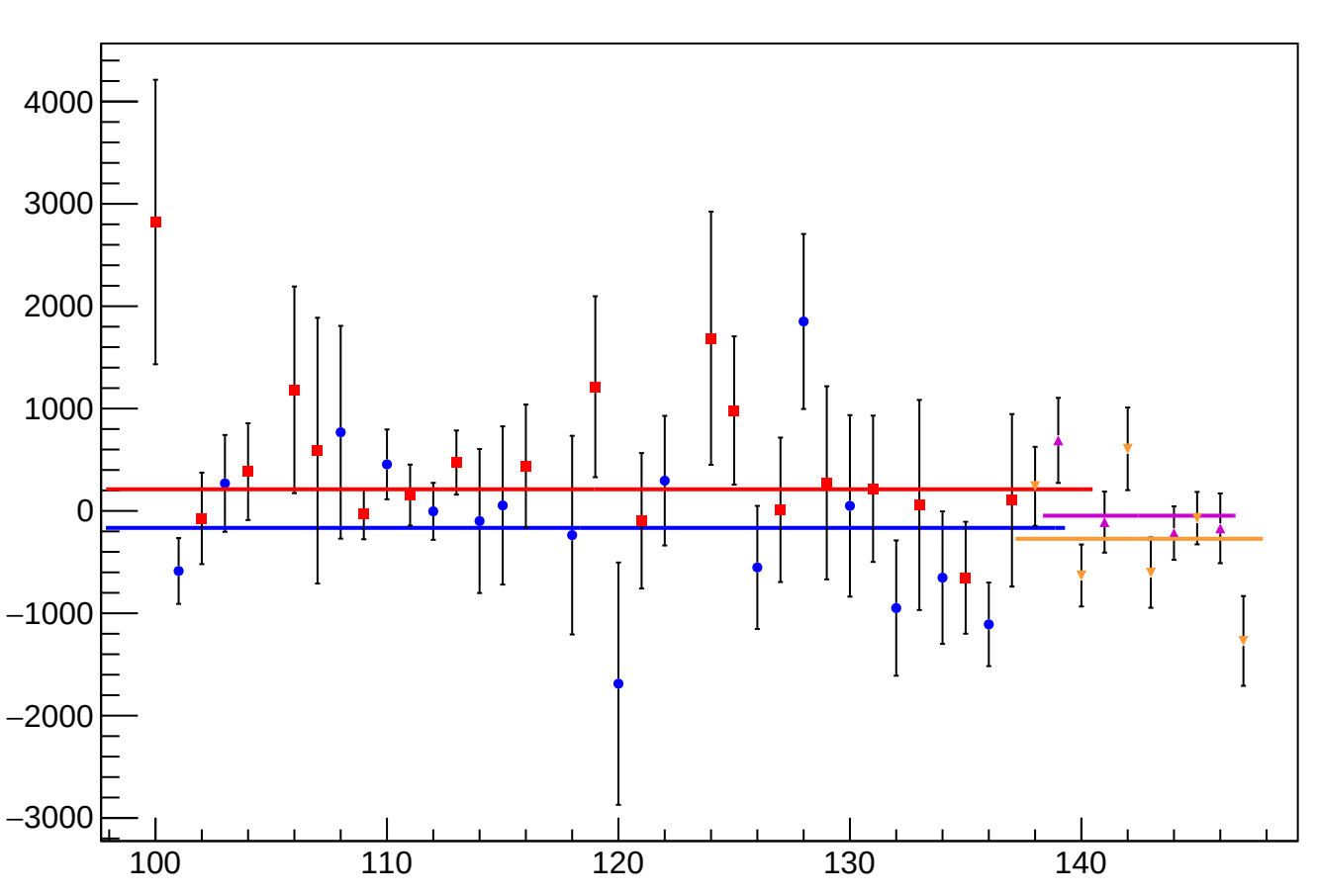
Left: 74.890+/-0.019 χ^2/NDF: 66286.3/9

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 74.413+/-0.016 χ^2/NDF:693815.3/19

Out: 72.752+/-0.015 χ^2/NDF:993196.8/24

All: 73.524+/-0.011 χ^2/NDF: 1692529.3/44



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -272.179+/-137.811 χ^2/NDF:14.6/5

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -46.524+/-157.442 χ^2/NDF:3.7/3

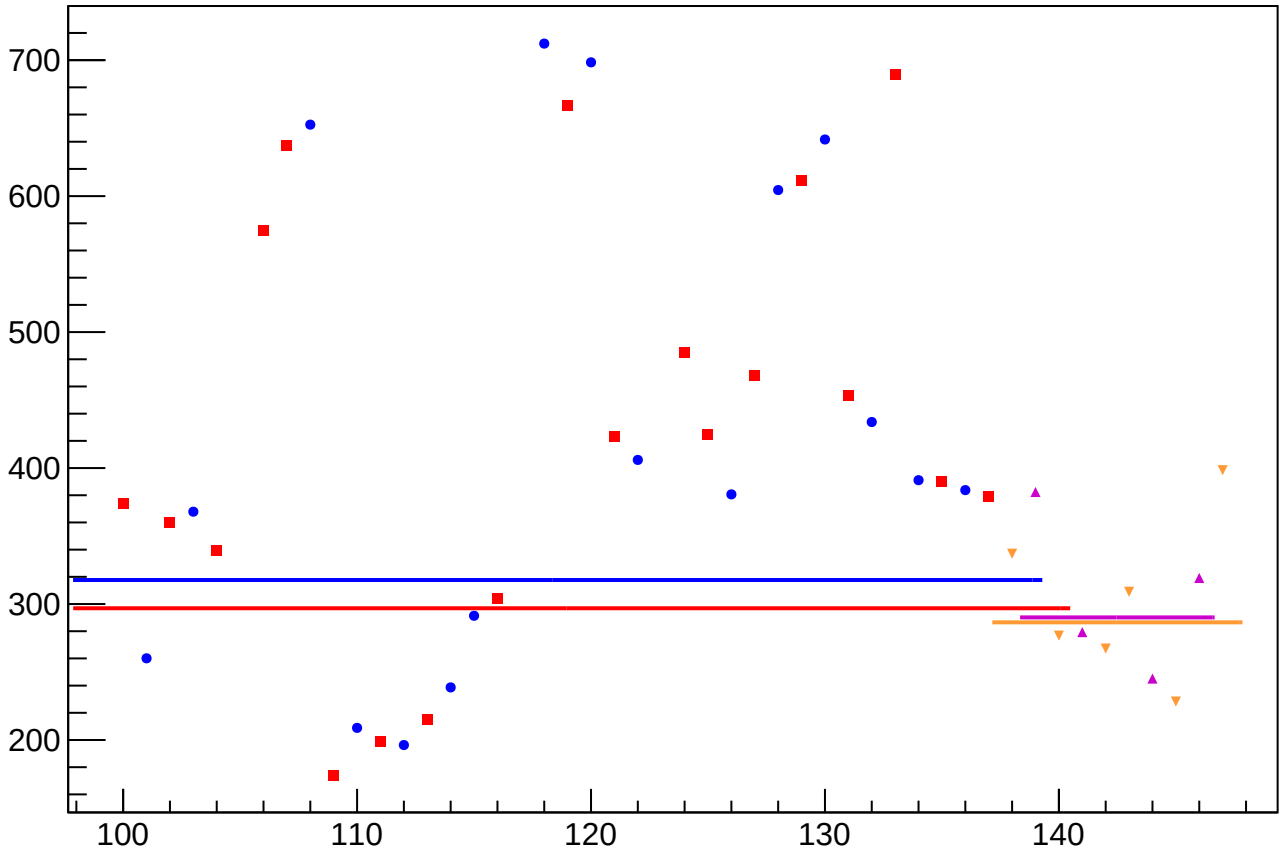
Left: -174.289+/-103.697 χ^2/NDF: 19.5/9

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -117.960+/-99.522 χ^2/NDF:26.7/19

Out: 2.589+/-90.551 χ^2/NDF:35.2/24

All: -52.008+/-66.977 χ^2/NDF: 62.7/44



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 286.529+/-0.097 χ^2/NDF:283086.4/5

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 290.166+/-0.111 χ^2/NDF:175015.2/3

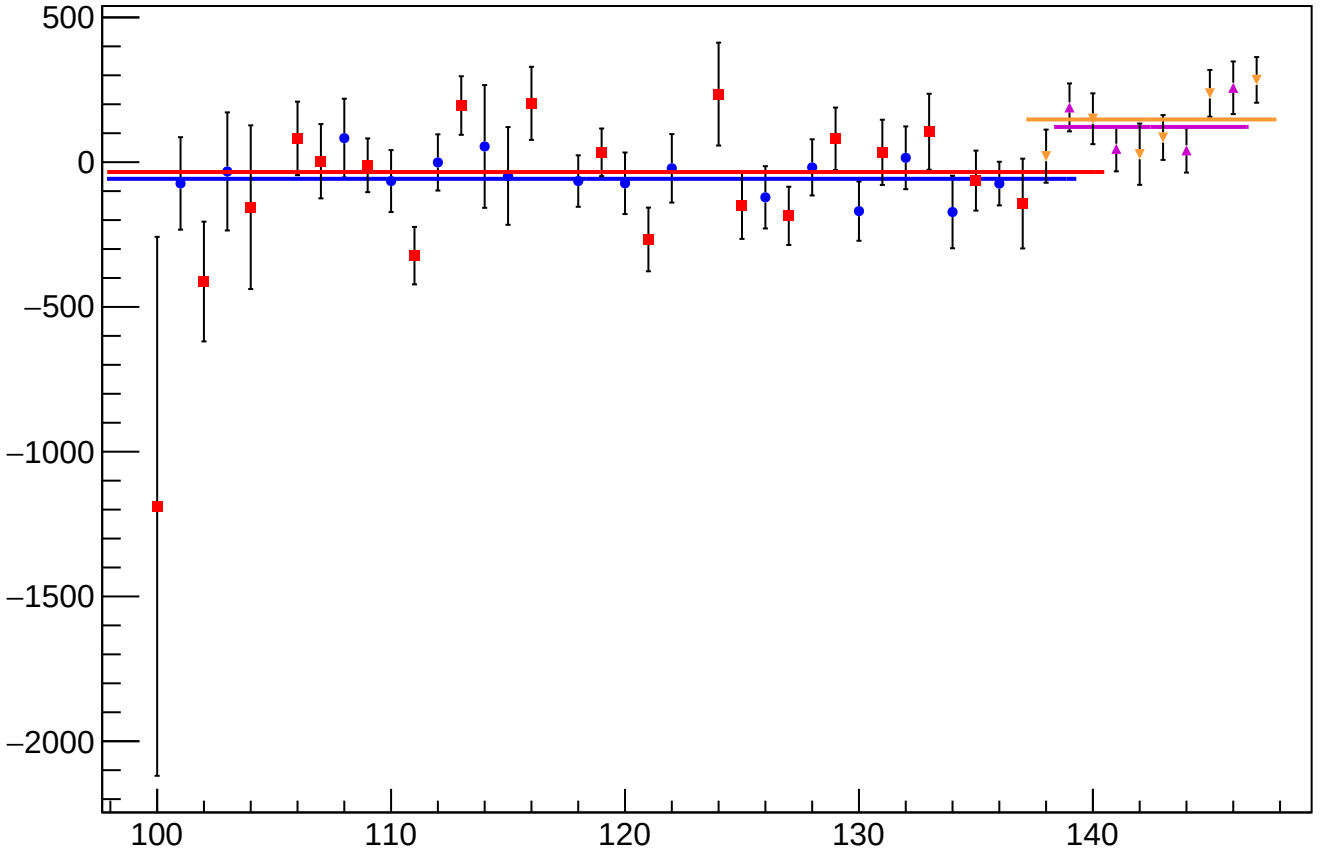
Left: 288.107+/-0.073 χ^2/NDF: 458705.7/9

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 306.676+/-0.070 χ^2/NDF:2347839.5/19

Out: 292.416+/-0.064 χ^2/NDF:2830548.0/24

All: 298.874+/-0.047 χ^2/NDF: 5200853.2/44



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 147.490+/-34.946 χ^2/NDF:8.1/5

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 121.740+/-40.785 χ^2/NDF:4.9/3

Left: 136.588+/-26.537 χ^2/NDF: 13.2/9

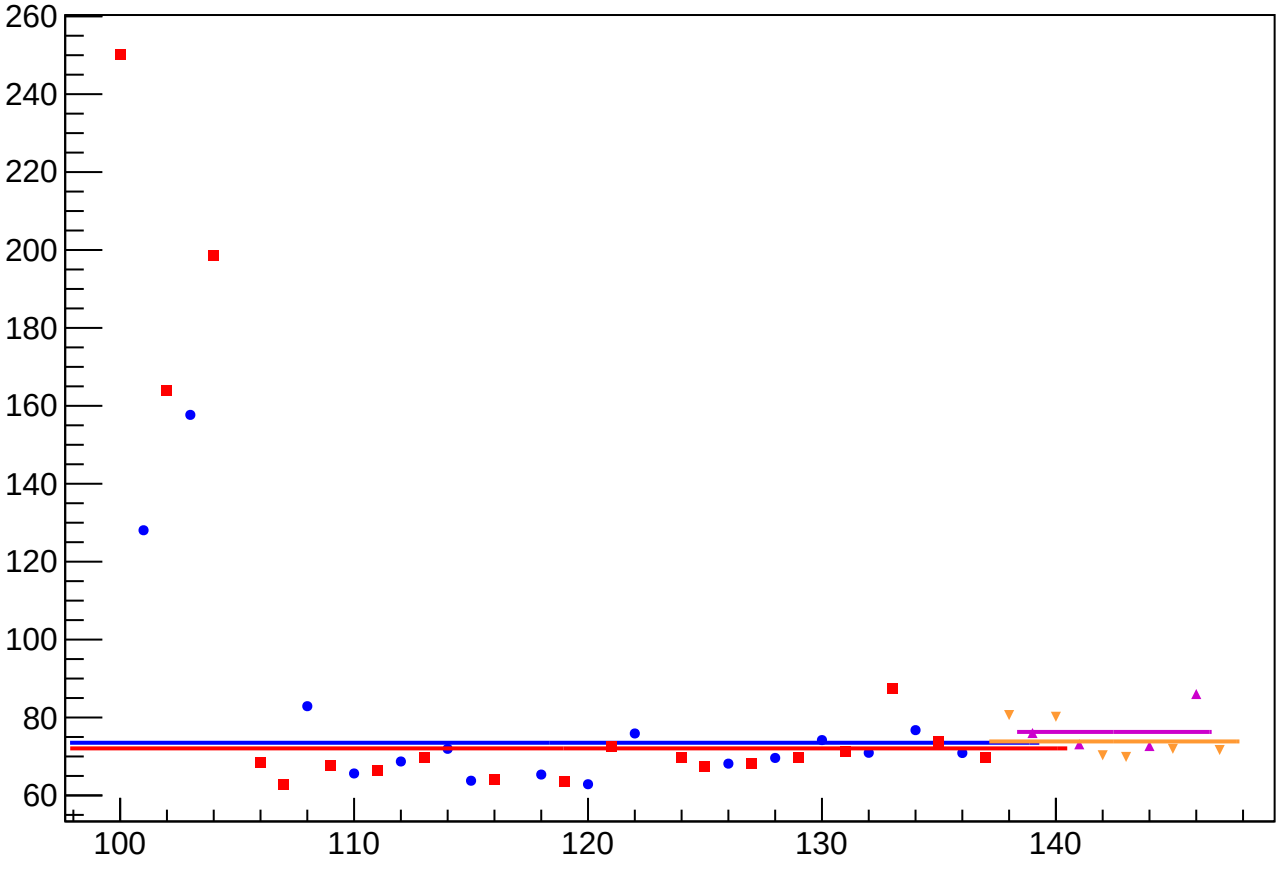
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 0.138+/-23.132 χ^2/NDF:22.9/19

Out: 35.067+/-21.561 χ^2/NDF:61.9/24

All: 18.829+/-15.772 χ^2/NDF: 86.1/44

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 73.856+/-0.025 χ^2/NDF:31481.0/5

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 76.298+/-0.029 χ^2/NDF:30667.6/3

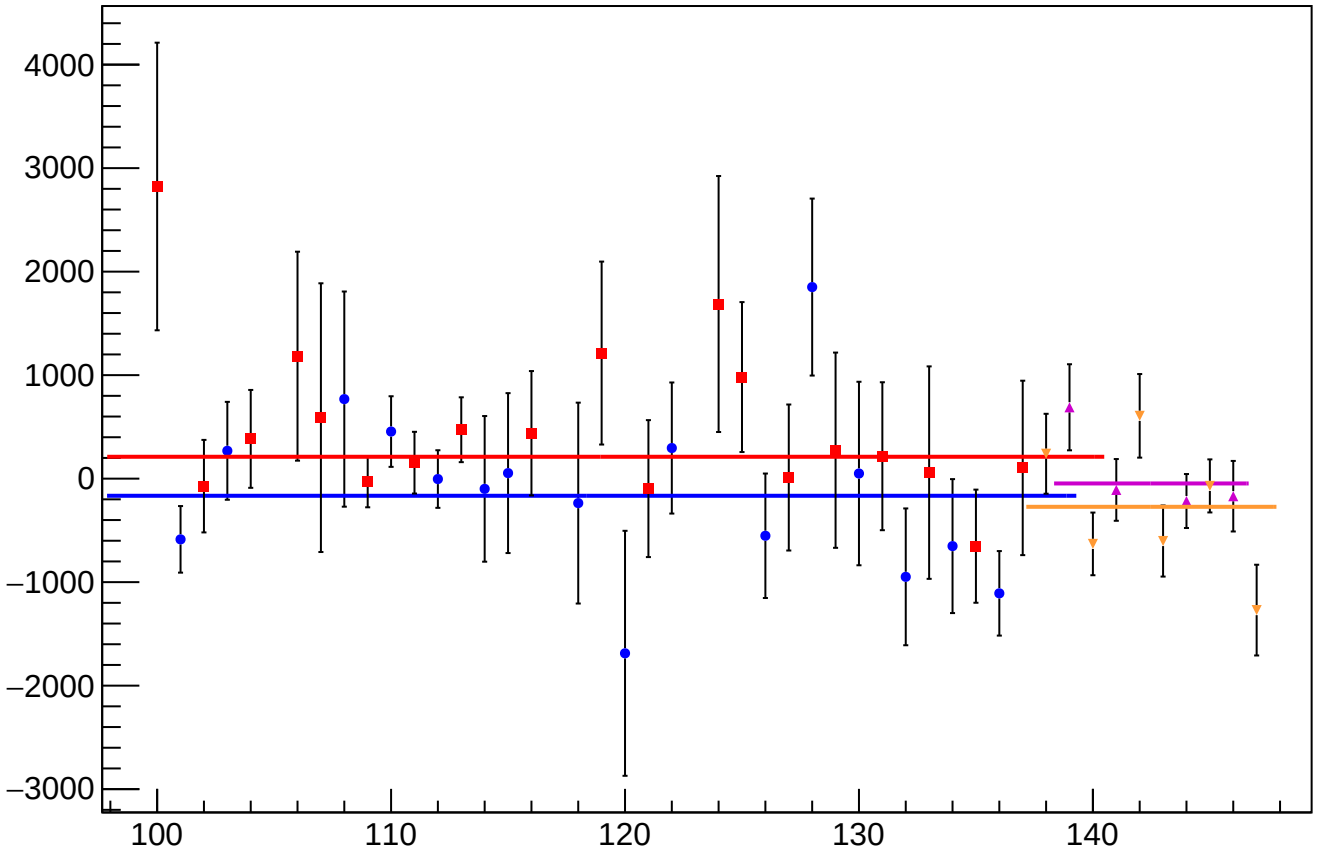
Left: 74.890+/-0.019 χ^2/NDF: 66285.4/9

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 74.413+/-0.016 χ^2/NDF:693818.0/19

Out: 72.752+/-0.015 χ^2/NDF:993197.8/24

All: 73.524+/-0.011 χ^2/NDF: 1692532.6/44



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -272.180+/-137.810 χ^2/NDF:14.6/5

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -46.524+/-157.442 χ^2/NDF:3.7/3

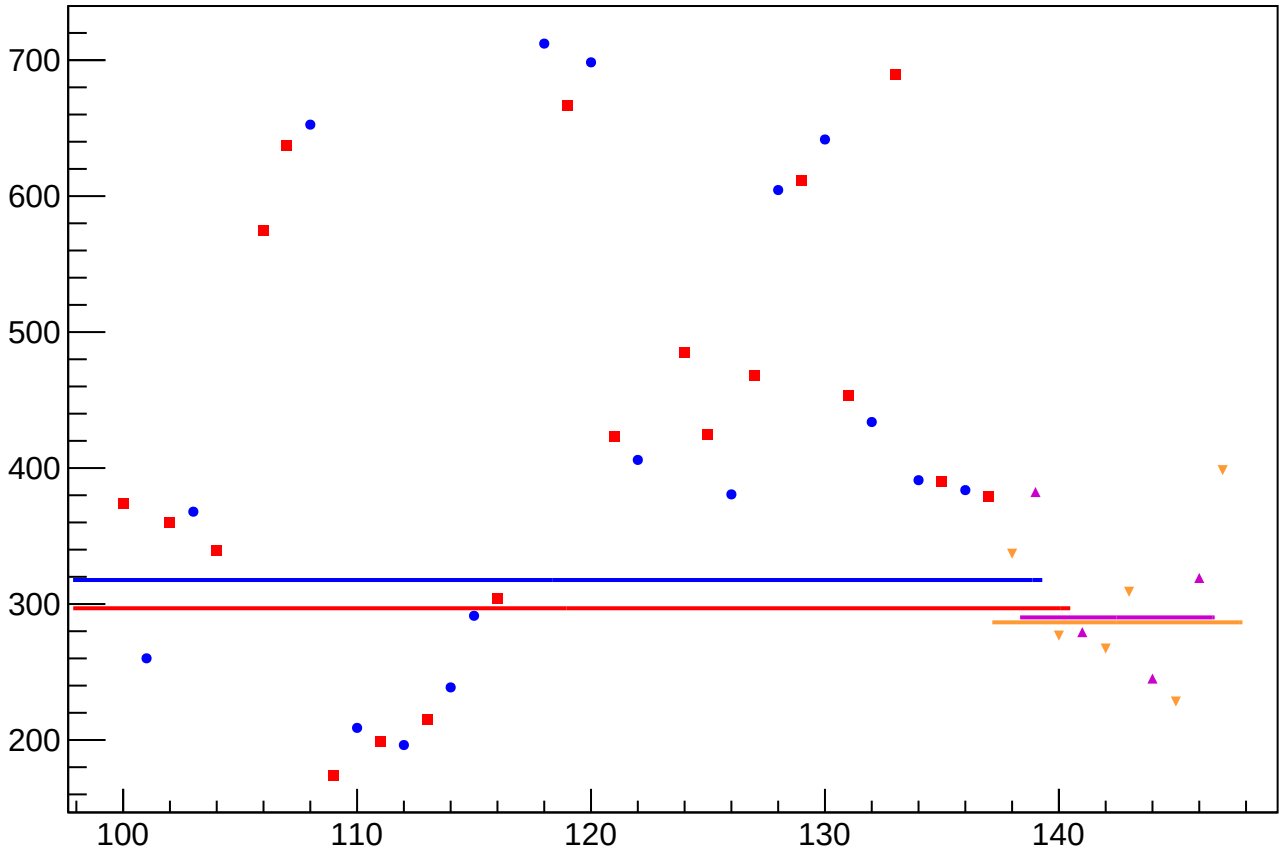
Left: -174.290+/-103.697 χ^2/NDF: 19.5/9

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -117.959+/-99.522 χ^2/NDF:26.7/19

Out: 2.589+/-90.551 χ^2/NDF:35.2/24

All: -52.008+/-66.977 χ^2/NDF: 62.7/44



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 286.529+/-0.097 χ^2/NDF:283090.6/5

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 290.165+/-0.111 χ^2/NDF:175017.4/3

Left: 288.106+/-0.073 χ^2/NDF: 458712.2/9

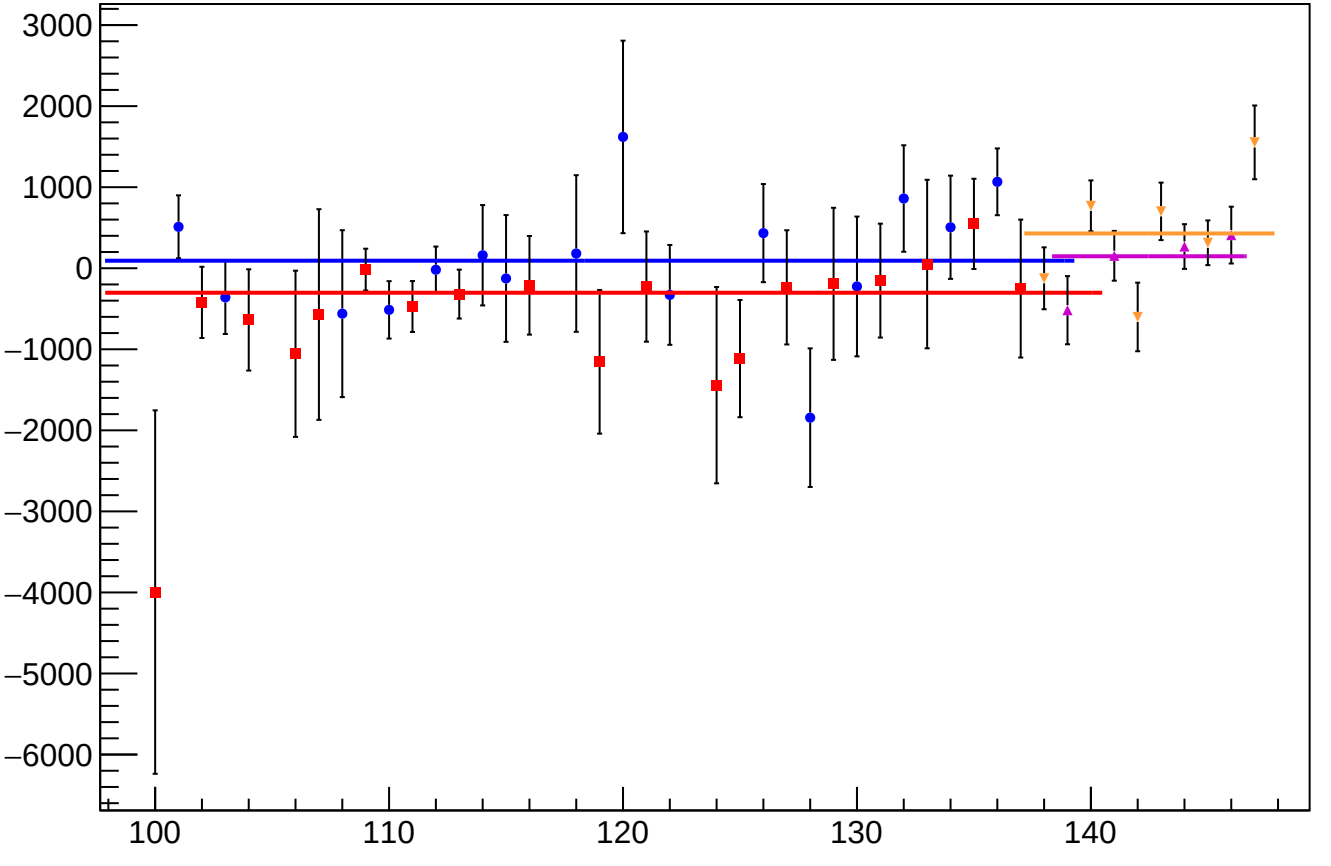
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 306.675+/-0.070 χ^2/NDF:2347867.7/19

Out: 292.415+/-0.064 χ^2/NDF:2830561.9/24

All: 298.873+/-0.047 χ^2/NDF: 5200894.1/44

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 429.142+/-143.545 χ^2/NDF:16.1/5

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 147.706+/-163.172 χ^2/NDF:3.3/3

Left: 306.360+/-107.777 χ^2/NDF: 21.0/9

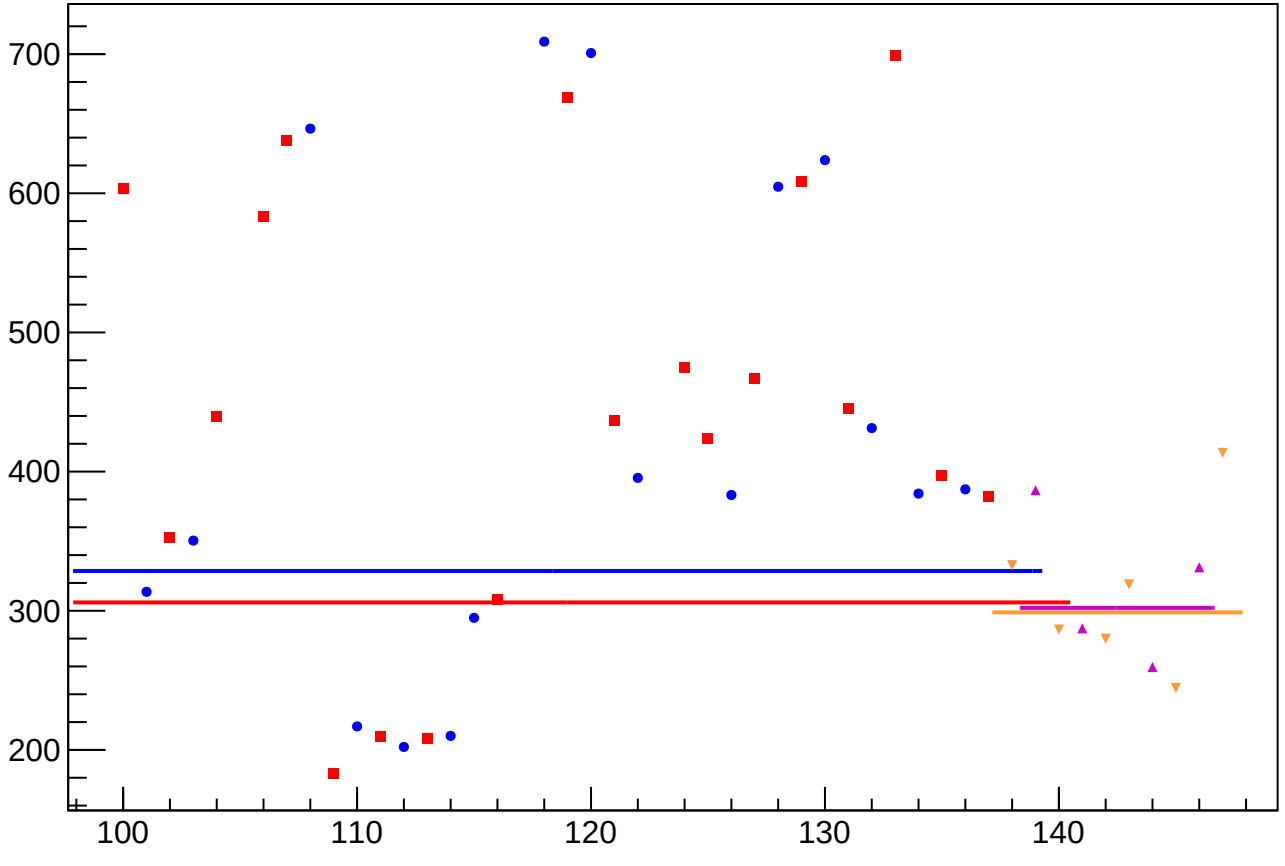
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 114.506+/-102.590 χ^2/NDF:24.1/19

Out: 10.044+/-93.800 χ^2/NDF:41.8/24

All: 57.609+/-69.226 χ^2/NDF: 66.5/44

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 298.844+/-0.102 χ^2/NDF:233746.5/5

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 302.100+/-0.115 χ^2/NDF:146925.9/3

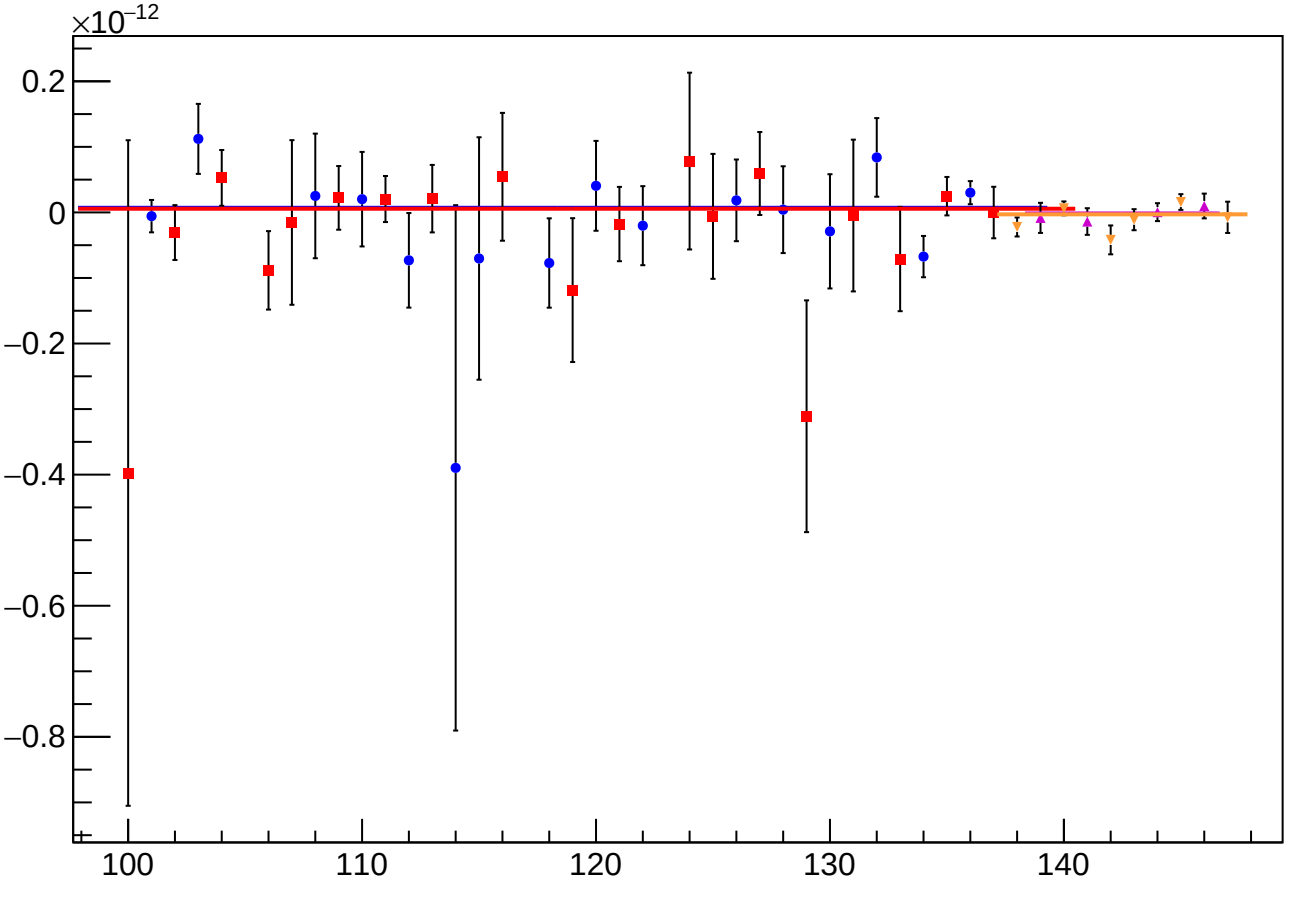
Left: 300.265+/-0.076 χ^2/NDF: 381121.2/9

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 318.105+/-0.073 χ^2/NDF:2137616.9/19

Out: 302.938+/-0.066 χ^2/NDF:2764048.4/24

All: 309.844+/-0.049 χ^2/NDF: 4925474.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:0.8/3

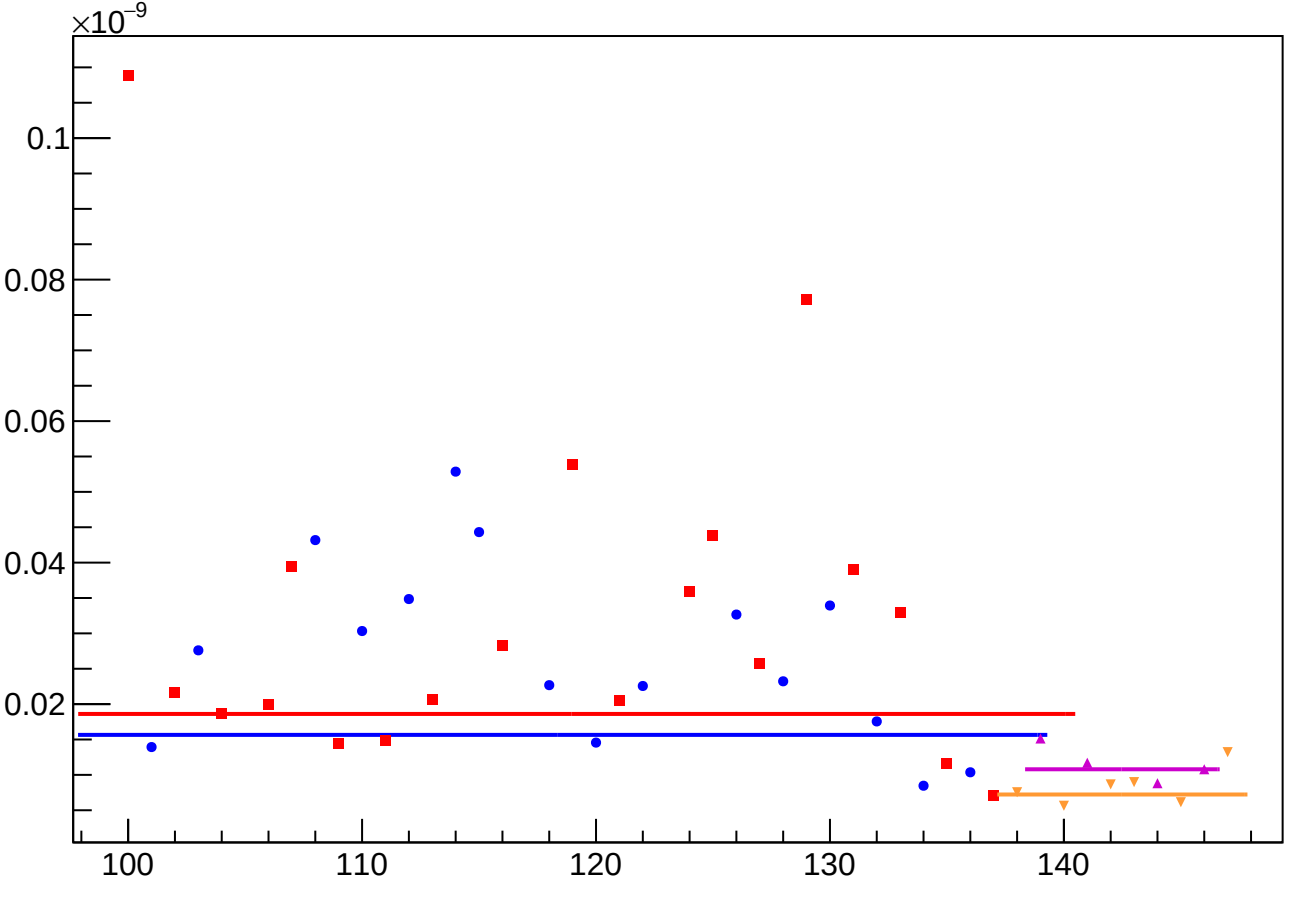
Left: -0.000+/-0.000 χ^2/NDF: 9.2/9

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:18.9/19

Out: -0.000+/-0.000 χ^2/NDF:21.6/24

All: -0.000+/-0.000 χ^2/NDF: 40.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:220596.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:117441.6/3

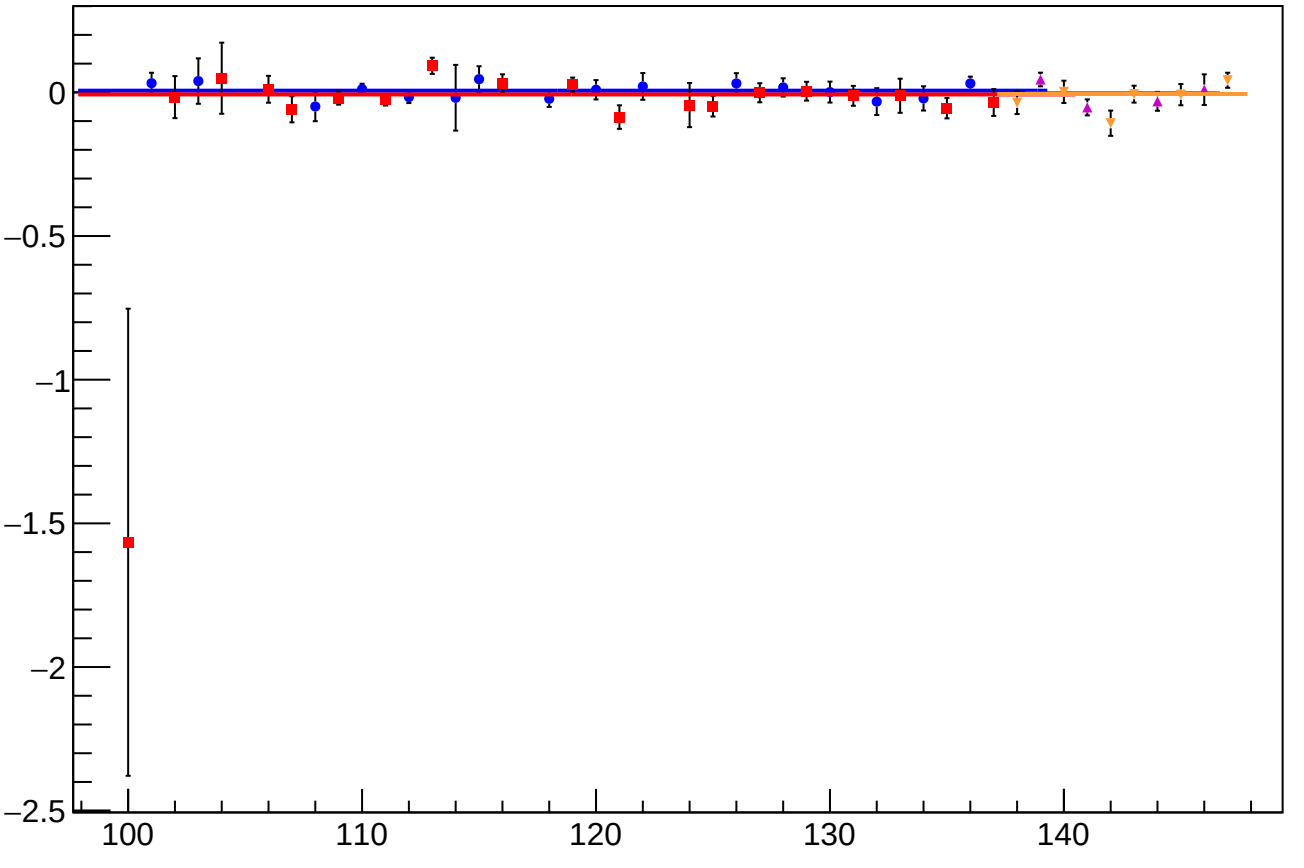
Left: 0.000+/-0.000 χ^2/NDF: 558009.3/9

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:1518112.9/19

Out: 0.000+/-0.000 χ^2/NDF:2745554.2/24

All: 0.000+/-0.000 χ^2/NDF: 4581894.2/44



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.015 χ^2/NDF:8.0/3

Left: -0.005+/-0.010 χ^2/NDF: 17.3/9

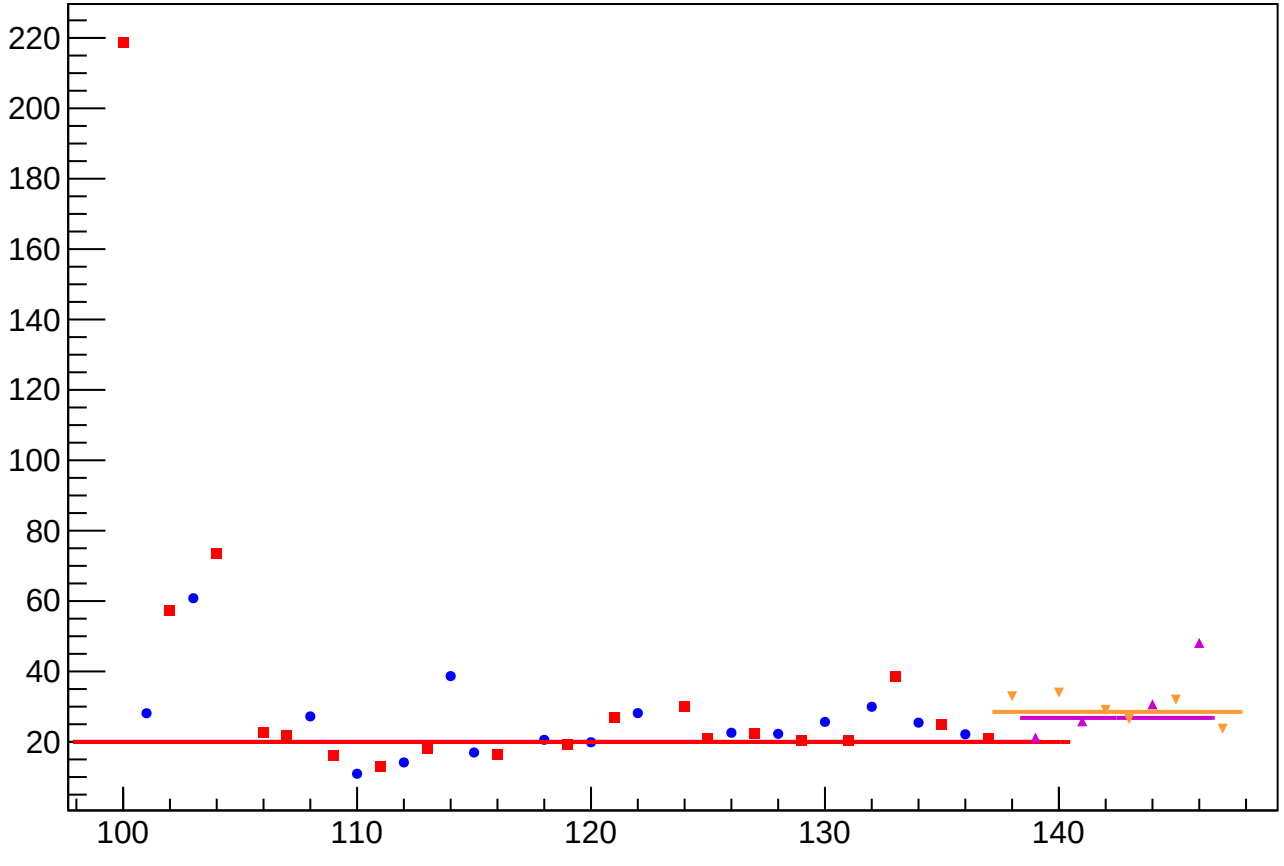
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/19

Out: -0.007+/-0.007 χ^2/NDF:39.1/24

All: -0.002+/-0.005 χ^2/NDF: 56.4/44

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: 28.511+/-0.010 χ^2/NDF:159389.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.798+/-0.011 χ^2/NDF:459746.6/3

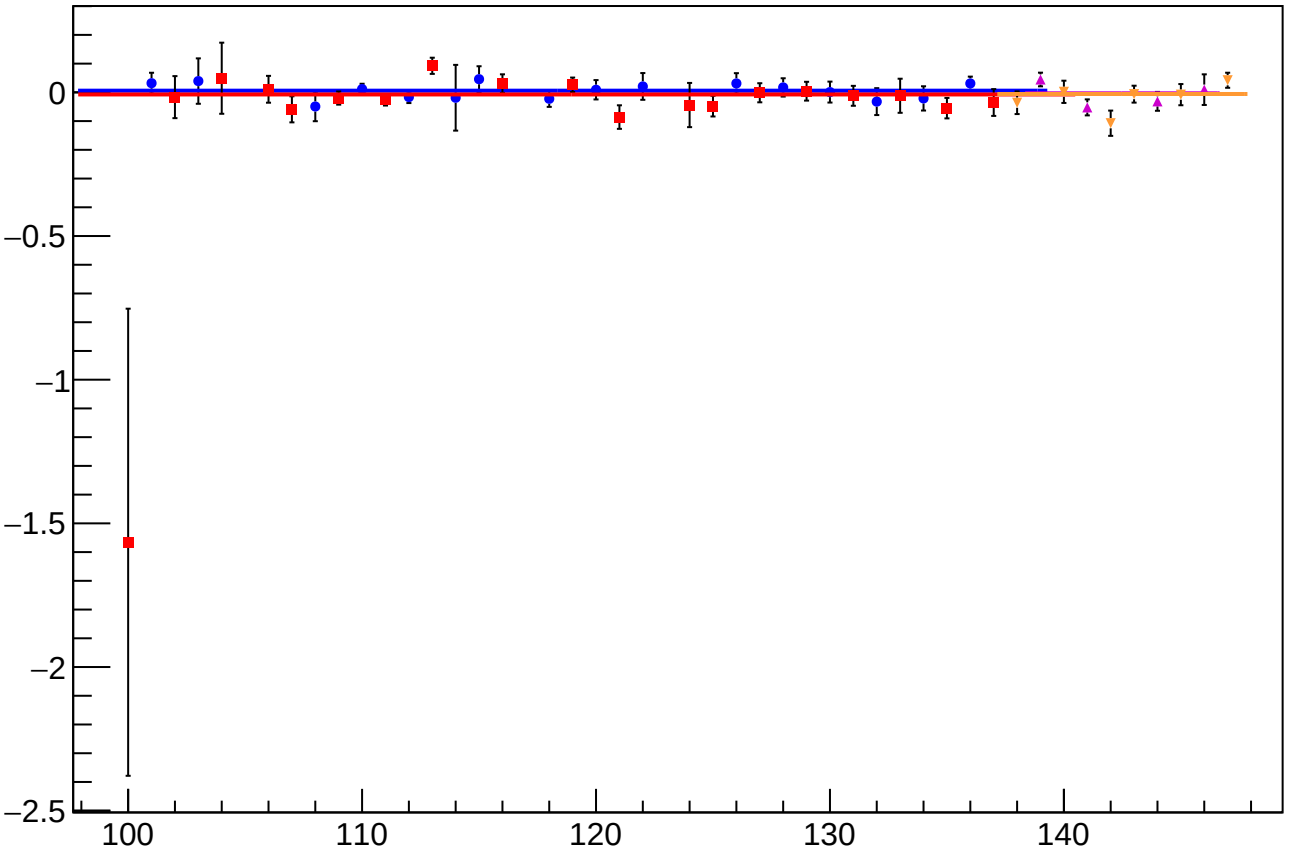
Left: 27.730+/-0.007 χ^2/NDF: 632967.3/9

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.525+/-0.005 χ^2/NDF:2411907.5/19

Out: 22.127+/-0.005 χ^2/NDF:2440849.3/24

All: 21.834+/-0.004 χ^2/NDF: 4859951.8/44



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.015 χ^2/NDF:8.0/3

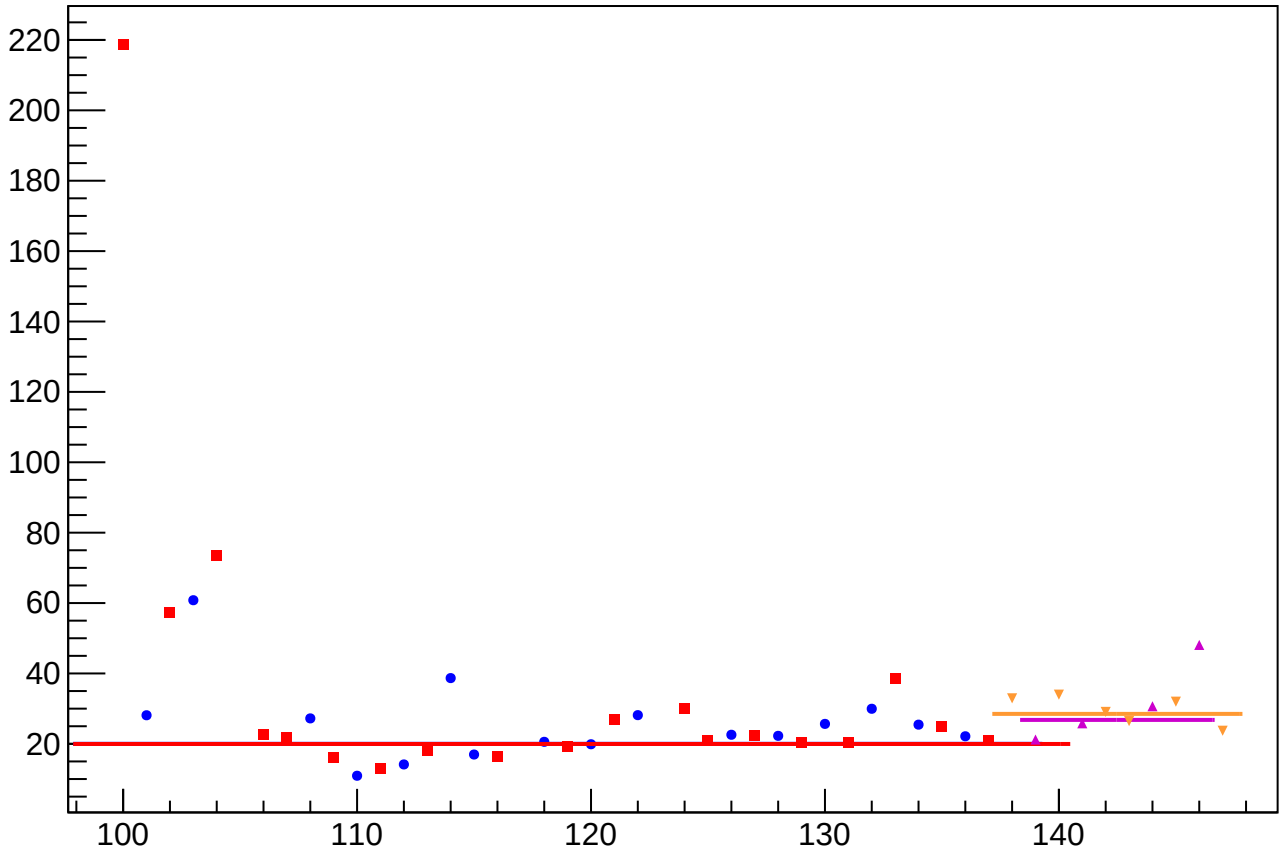
Left: -0.005+/-0.010 χ^2/NDF: 17.3/9

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/19

Out: -0.007+/-0.007 χ^2/NDF:39.1/24

All: -0.002+/-0.005 χ^2/NDF: 56.4/44



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 28.511+/-0.010 χ^2/NDF:159389.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 26.798+/-0.011 χ^2/NDF:459746.6/3

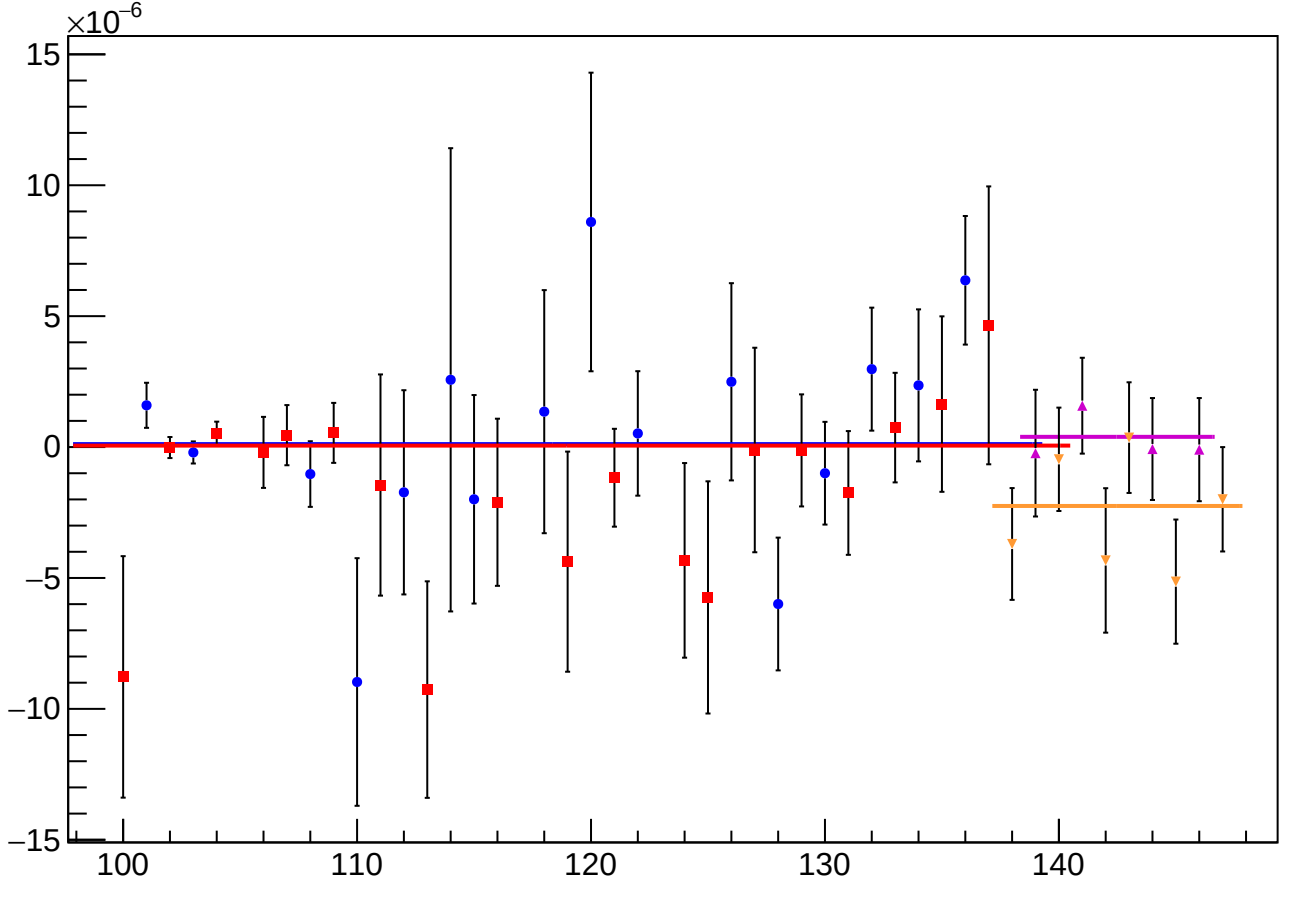
Left: 27.730+/-0.007 χ^2/NDF: 632967.3/9

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.525+/-0.005 χ^2/NDF:2411907.5/19

Out: 22.127+/-0.005 χ^2/NDF:2440849.3/24

All: 21.834+/-0.004 χ^2/NDF: 4859951.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.6/3

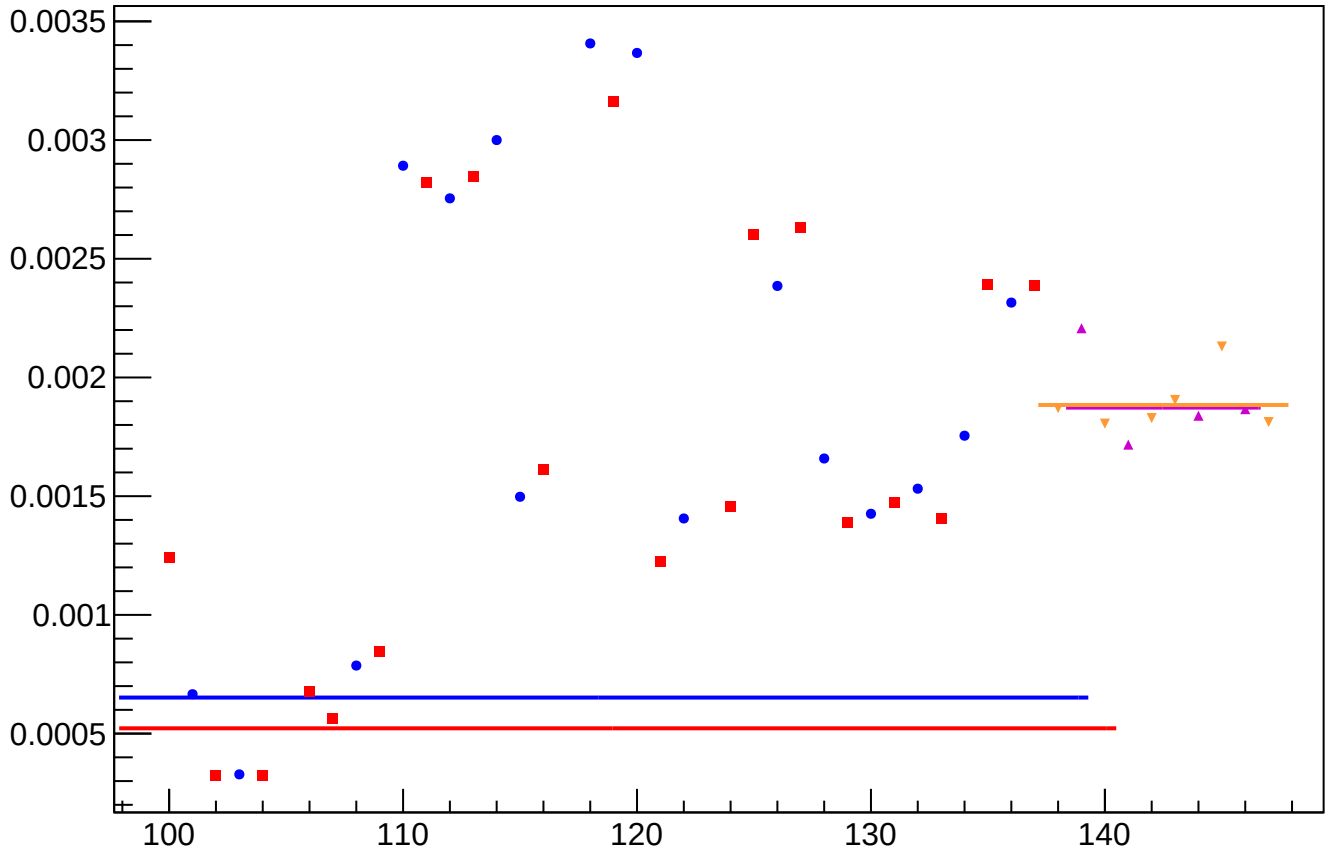
Left: -0.000+/-0.000 χ^2/NDF: 9.3/9

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:26.7/19

Out: -0.000+/-0.000 χ^2/NDF:28.2/24

All: -0.000+/-0.000 χ^2/NDF: 55.3/44



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:28431.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:53289.3/3

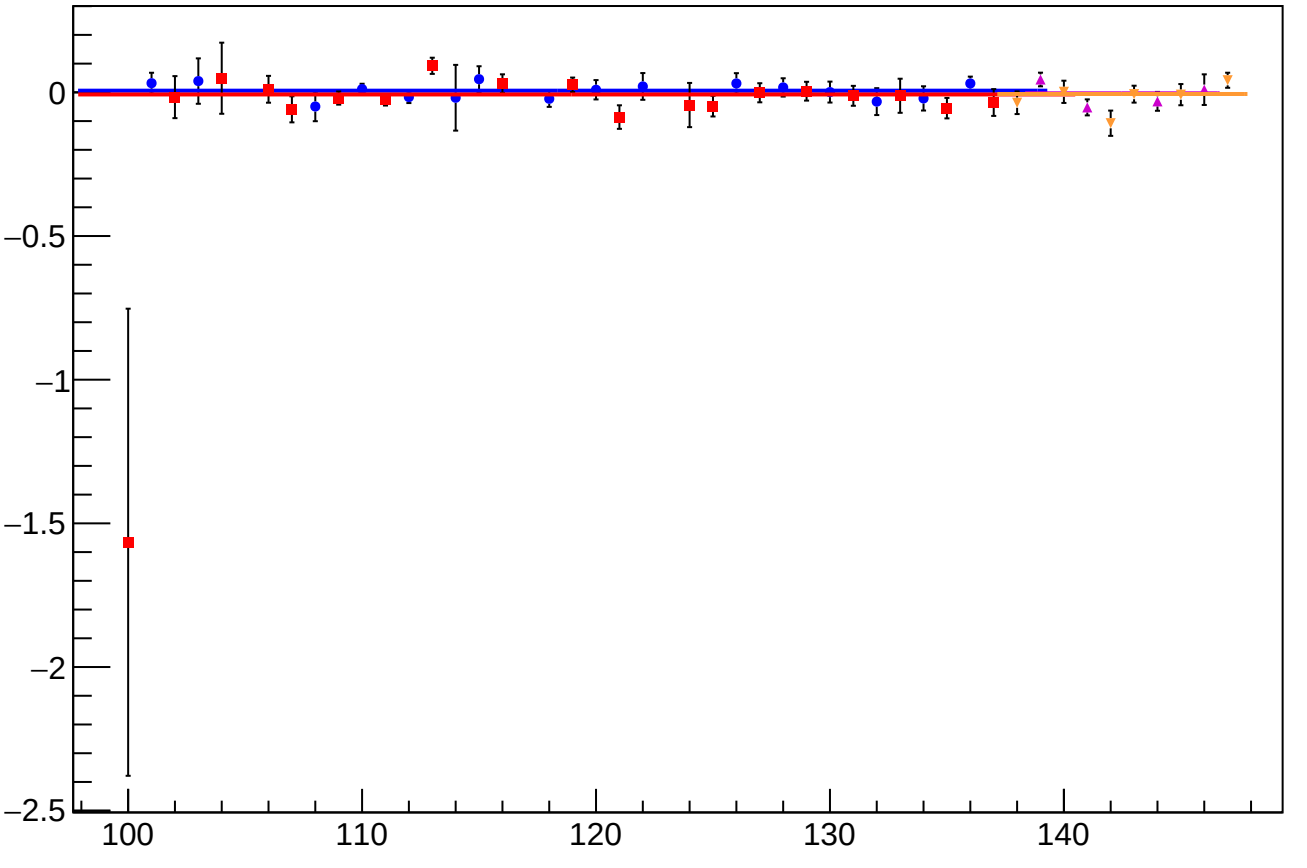
Left: 0.002+/-0.000 χ^2/NDF: 81857.5/9

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:9072631.9/19

Out: 0.001+/-0.000 χ^2/NDF:11014247.3/24

All: 0.001+/-0.000 χ^2/NDF: 20340303.2/44



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.015 χ^2/NDF:8.0/3

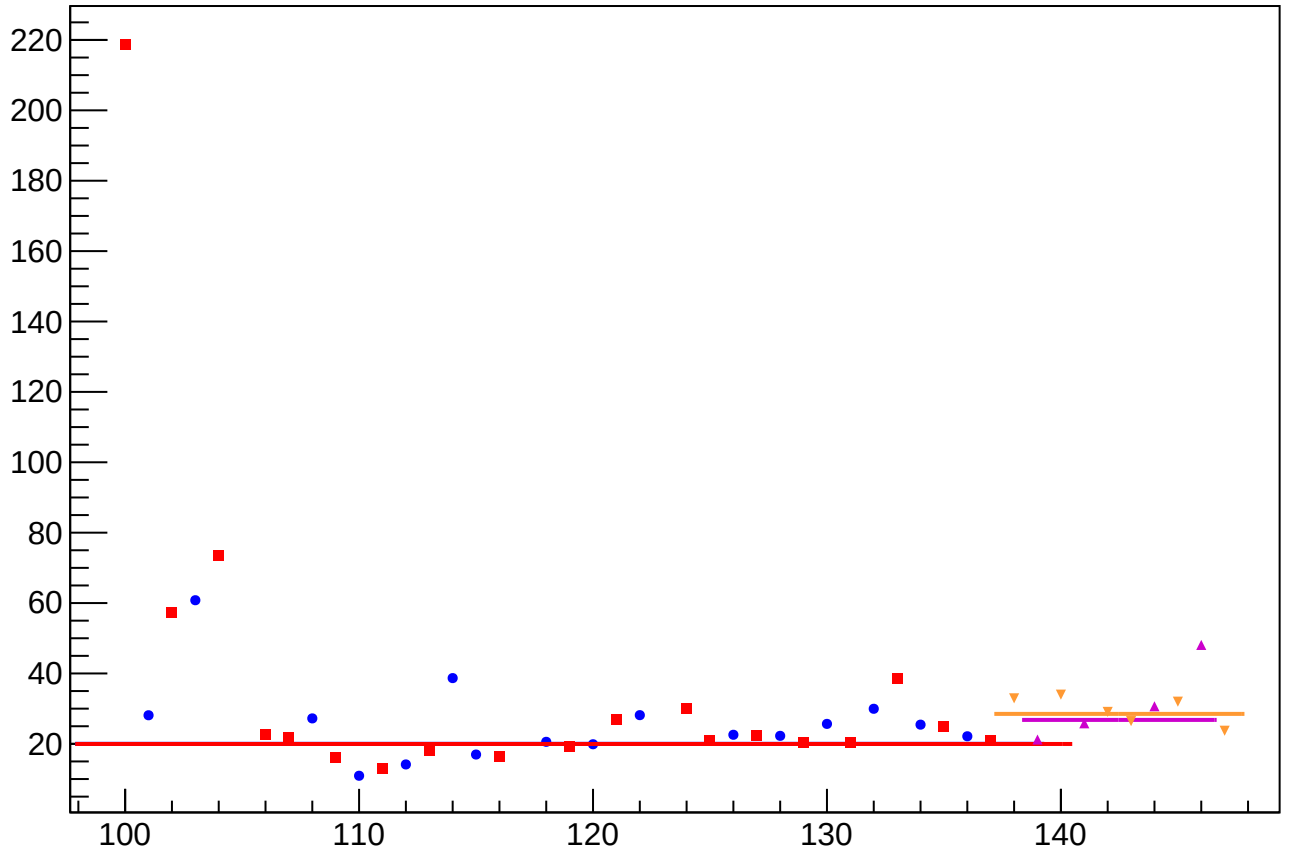
Left: -0.005+/-0.010 χ^2/NDF: 17.3/9

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/19

Out: -0.007+/-0.007 χ^2/NDF:39.1/24

All: -0.002+/-0.005 χ^2/NDF: 56.4/44



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 28.511+/-0.010 χ^2/NDF:159402.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.798+/-0.011 χ^2/NDF:459751.6/3

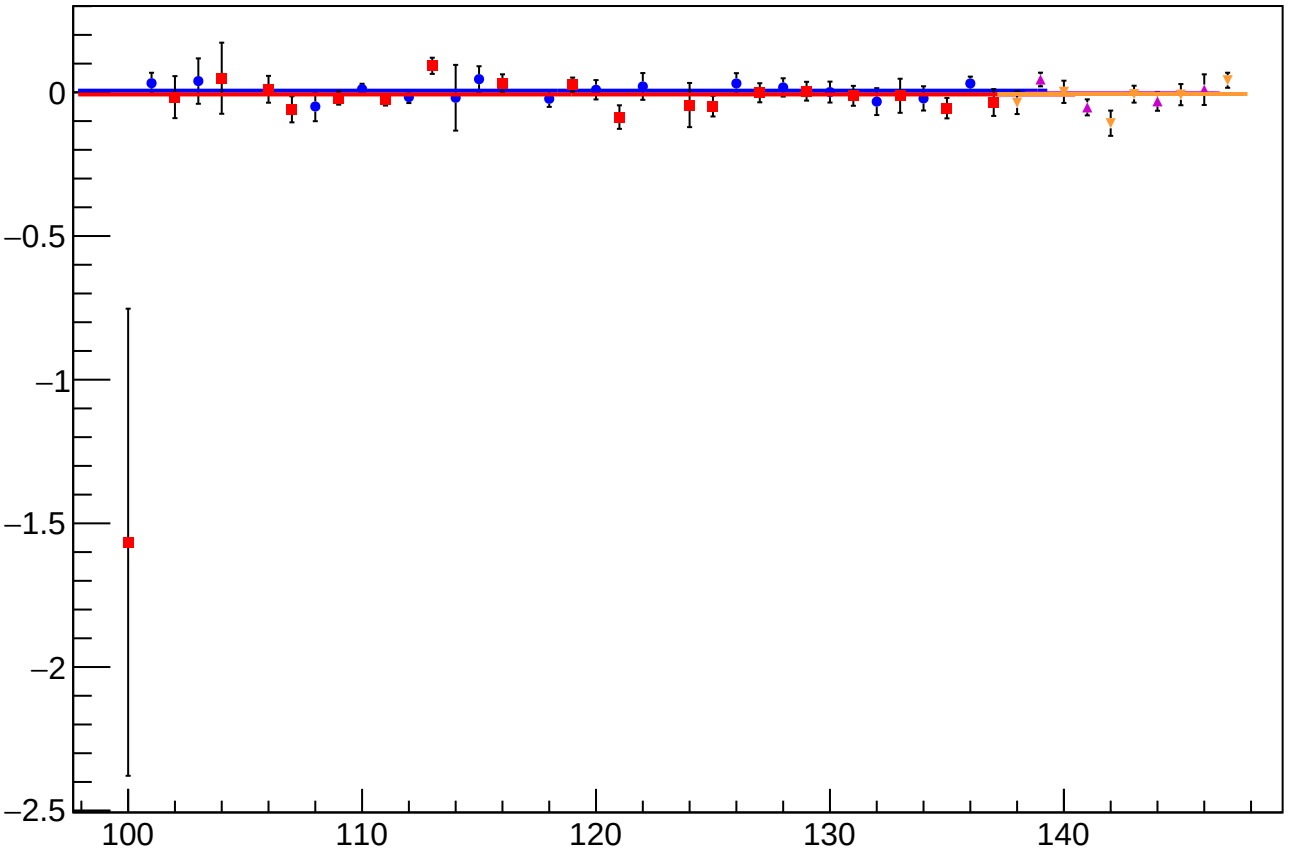
Left: 27.730+/-0.007 χ^2/NDF: 632985.8/9

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.525+/-0.005 χ^2/NDF:2411696.5/19

Out: 22.127+/-0.005 χ^2/NDF:2440789.8/24

All: 21.835+/-0.004 χ^2/NDF: 4859674.4/44



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: -0.006+/-0.014 χ^2/NDF:9.3/5

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.003+/-0.015 χ^2/NDF:8.0/3

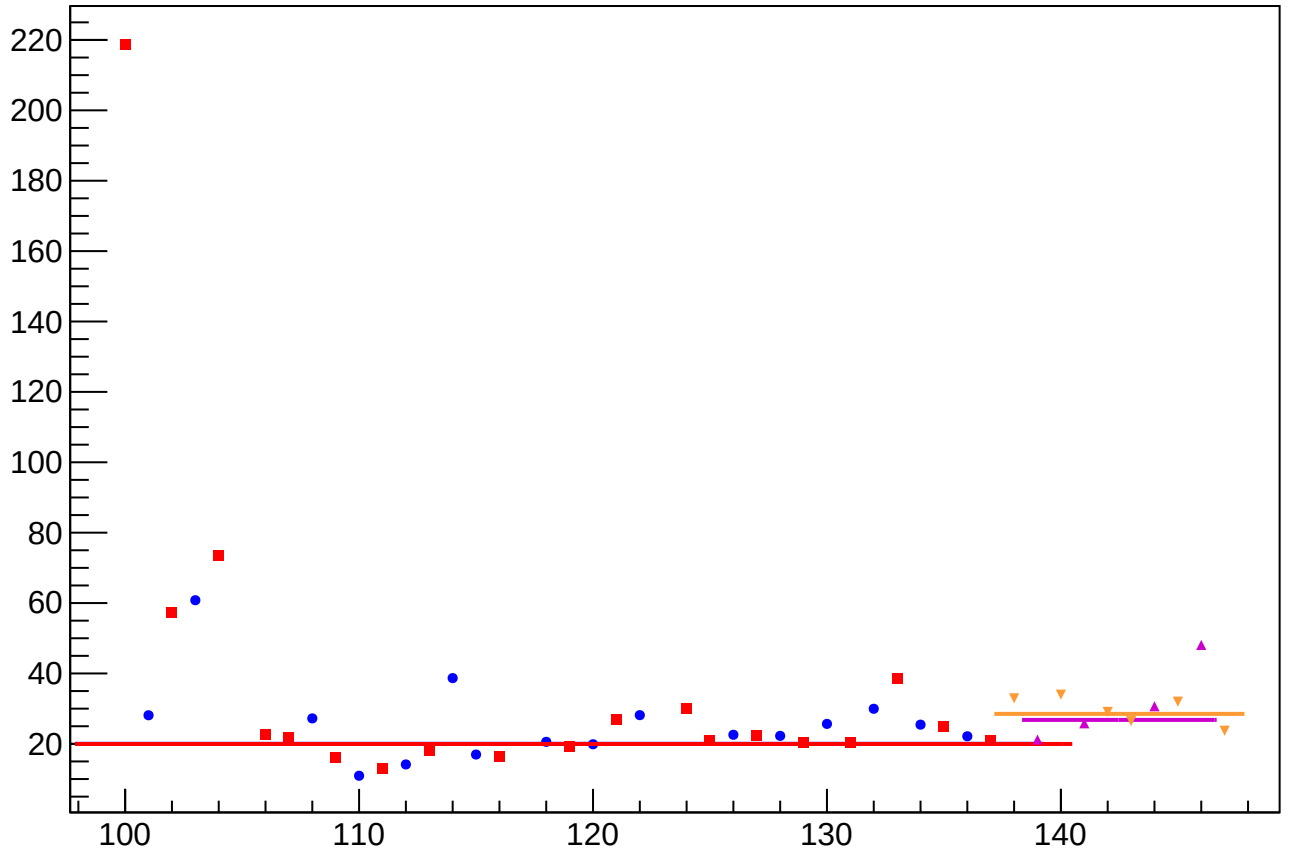
Left: -0.005+/-0.010 χ^2/NDF: 17.3/9

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.007 χ^2/NDF:16.1/19

Out: -0.007+/-0.007 χ^2/NDF:39.1/24

All: -0.002+/-0.005 χ^2/NDF: 56.4/44



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 28.511+/-0.010 χ^2/NDF:159402.9/5

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 26.798+/-0.011 χ^2/NDF:459751.6/3

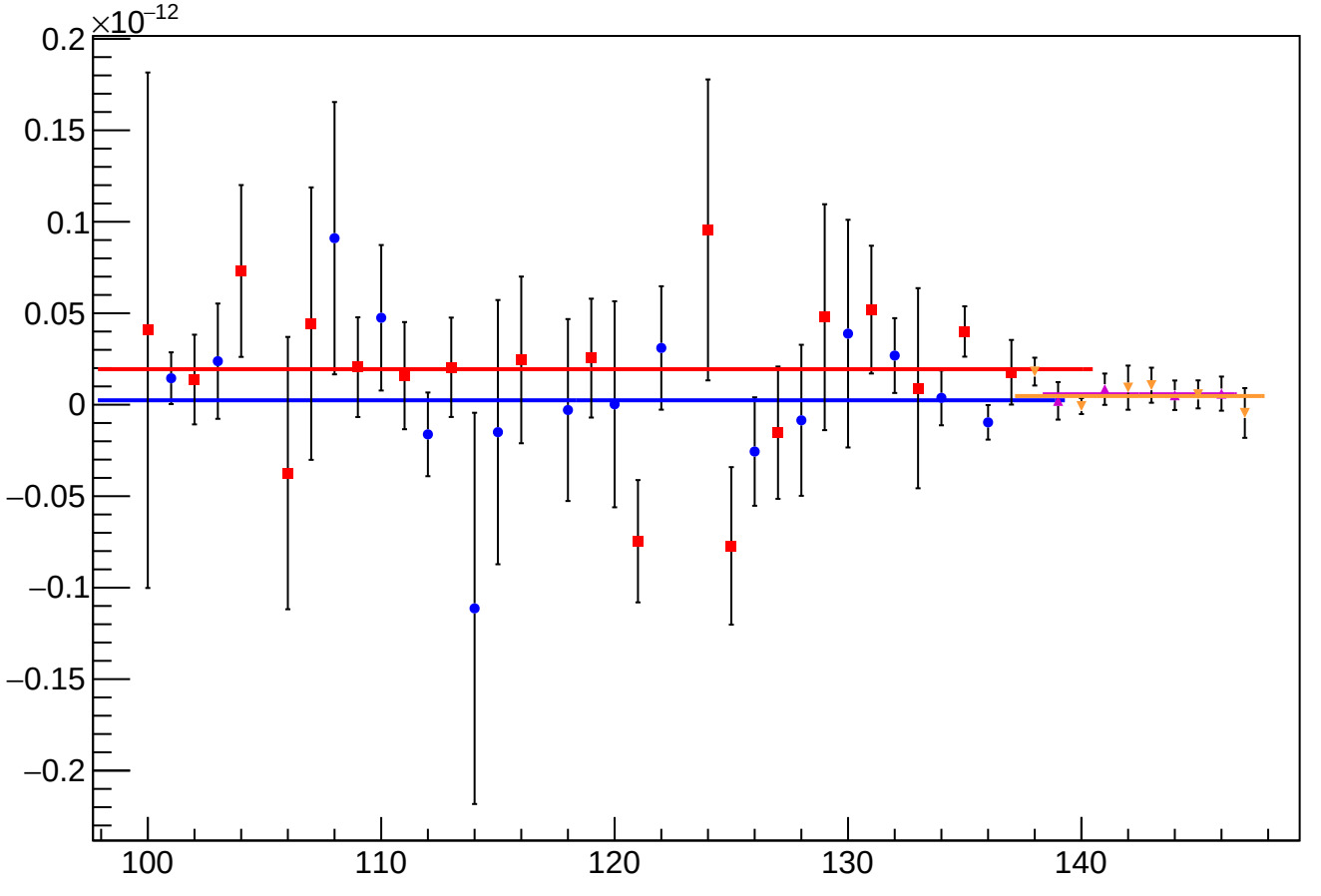
Left: 27.730+/-0.007 χ^2/NDF: 632985.8/9

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.525+/-0.005 χ^2/NDF:2411696.5/19

Out: 22.127+/-0.005 χ^2/NDF:2440789.8/24

All: 21.835+/-0.004 χ^2/NDF: 4859674.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:0.2/3

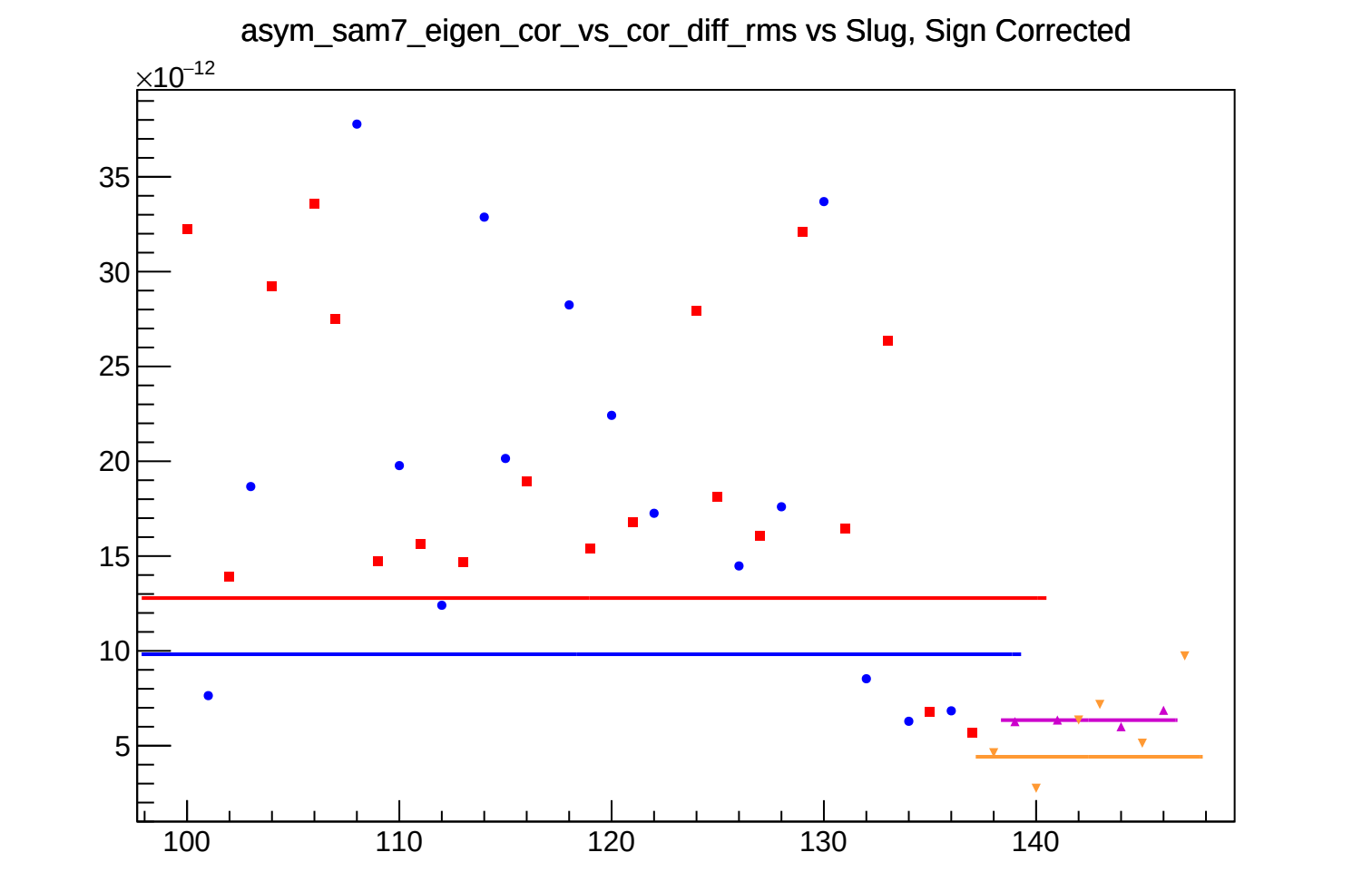
Left: 0.000+/-0.000 χ^2/NDF: 5.9/9

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:11.3/19

Out: 0.000+/-0.000 χ^2/NDF:29.6/24

All: 0.000+/-0.000 χ^2/NDF: 41.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:835154.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10017.7/3

Left: 0.000+/-0.000 χ^2/NDF: 1102588.4/9

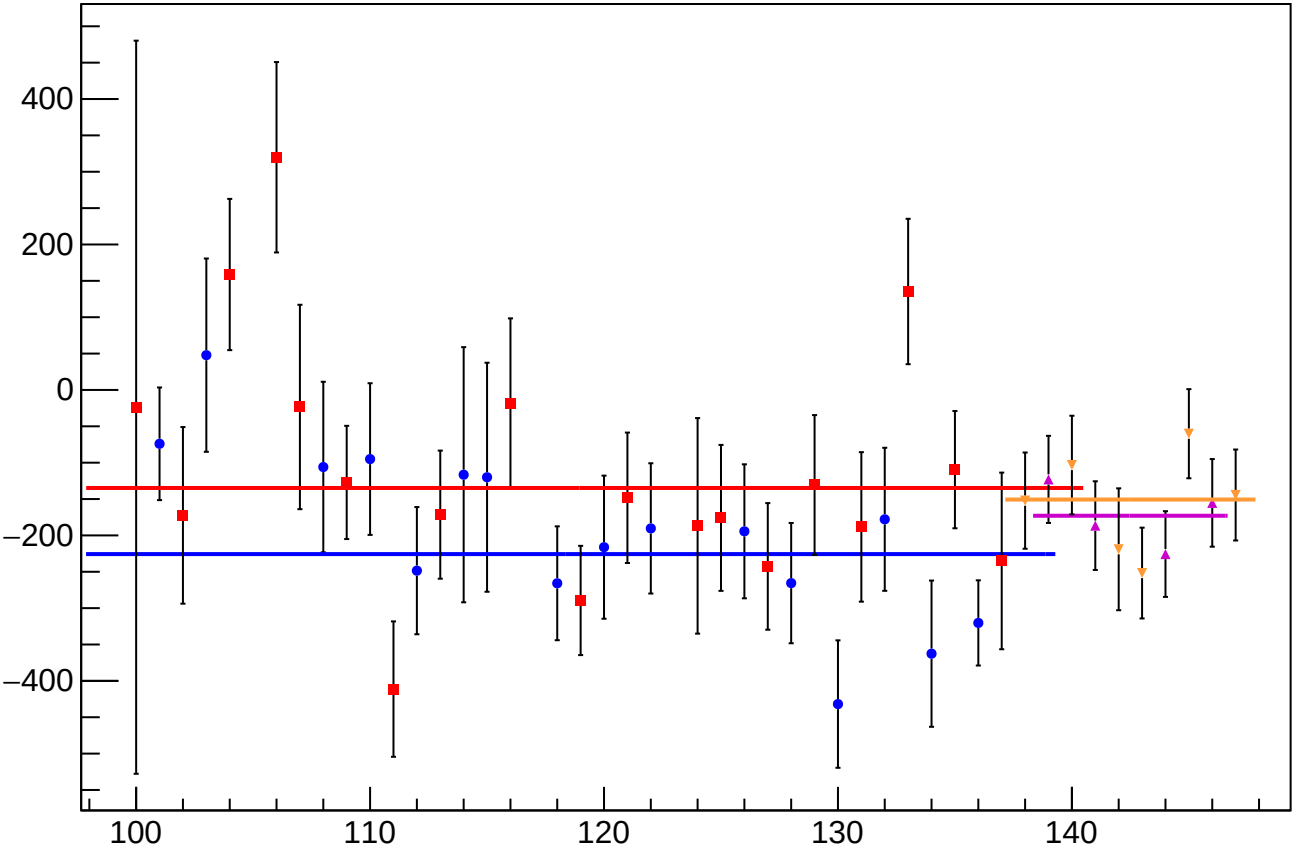
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:2445804.3/19

Out: 0.000+/-0.000 χ^2/NDF:5014478.9/24

All: 0.000+/-0.000 χ^2/NDF: 7845568.2/44

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -150.685+/-27.044 χ^2/NDF:6.0/5

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -172.967+/-29.996 χ^2/NDF:1.6/3

Left: -160.676+/-20.086 χ^2/NDF: 7.9/9

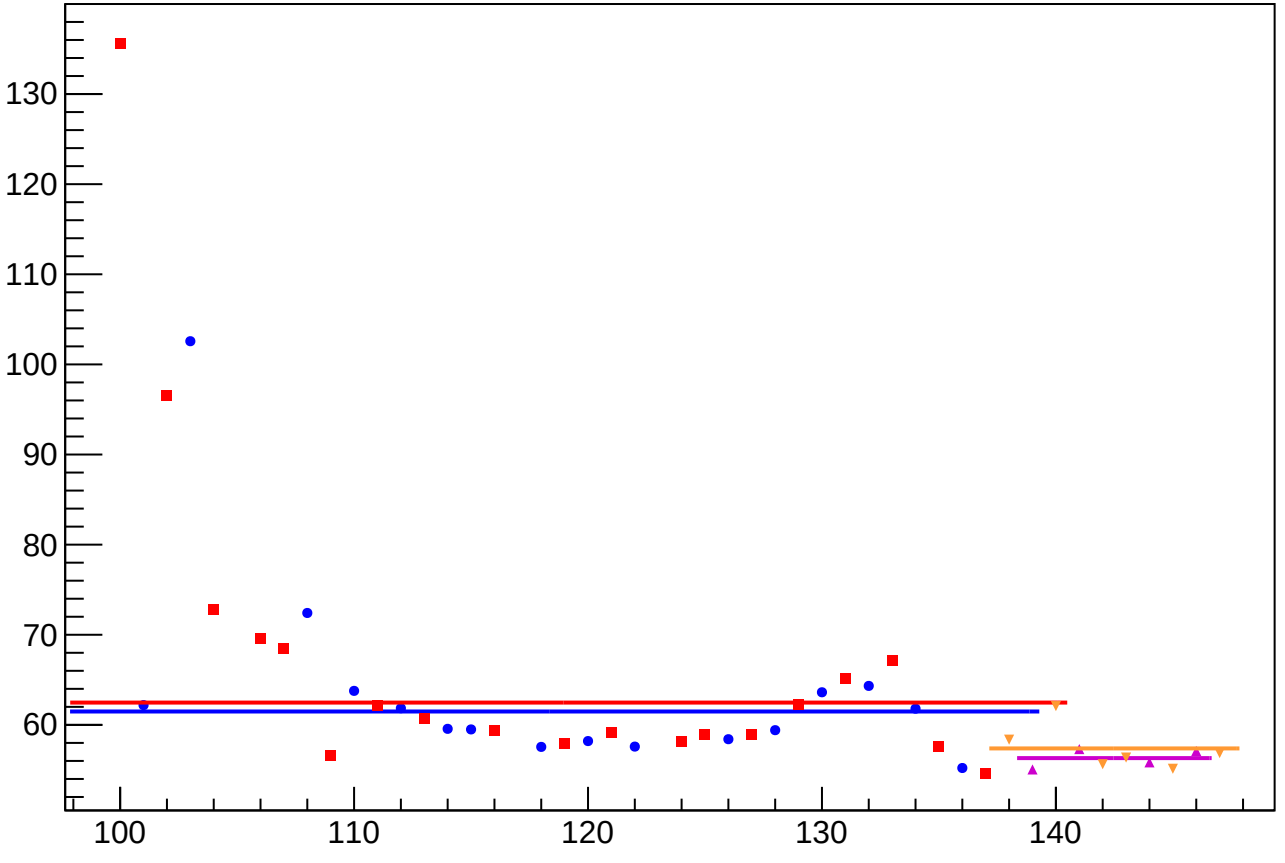
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -206.044+/-18.311 χ^2/NDF:26.2/19

Out: -141.510+/-17.605 χ^2/NDF:51.4/24

All: -172.508+/-12.691 χ^2/NDF: 84.1/44

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.388+/-0.019 χ^2/NDF:14277.2/5

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

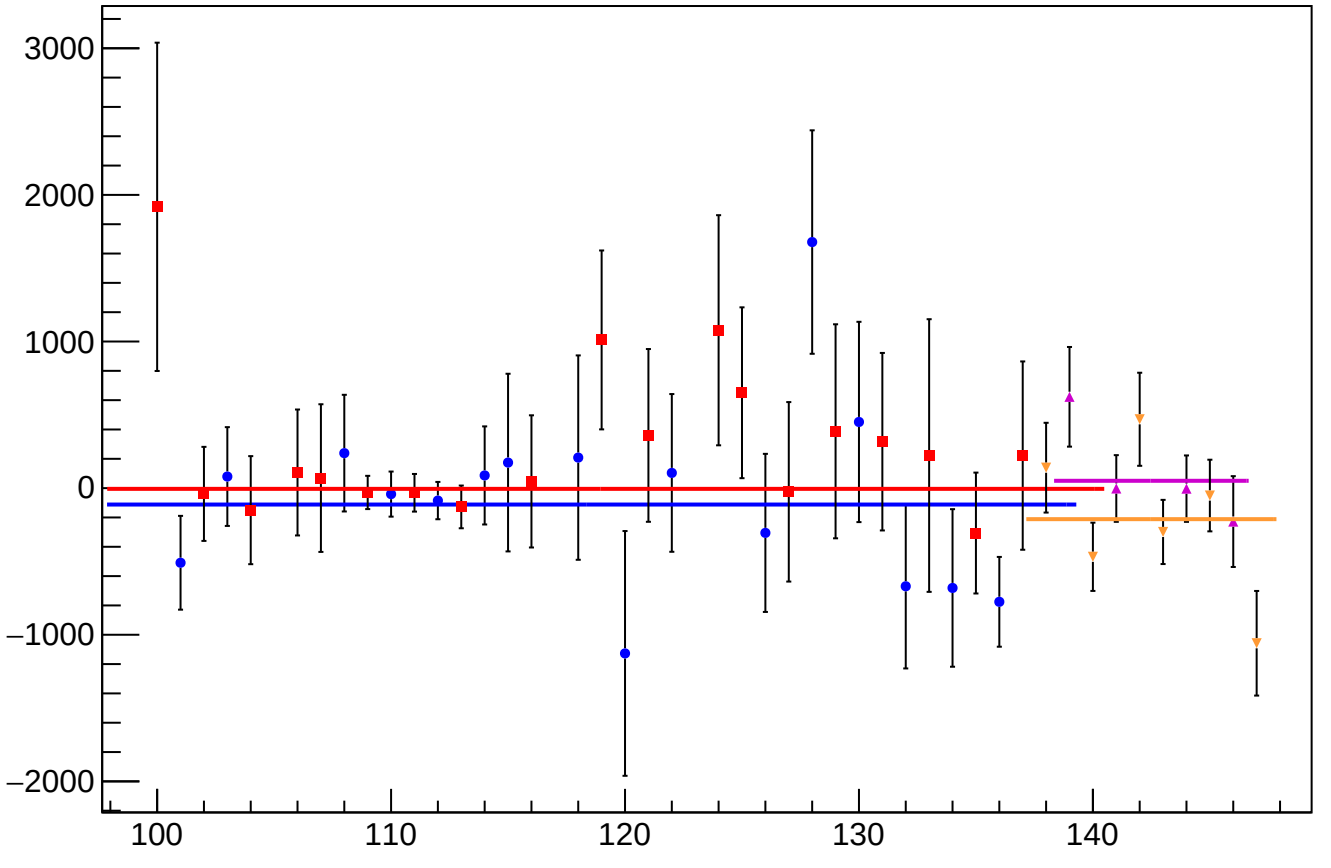
Left: 56.906+/-0.014 χ^2/NDF: 17585.2/9

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.559+/-0.013 χ^2/NDF:289865.9/19

Out: 60.320+/-0.012 χ^2/NDF:336216.9/24

All: 59.954+/-0.009 χ^2/NDF: 627878.7/44



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -211.582+/-108.758 χ^2/NDF:13.4/5

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 50.088+/-131.397 χ^2/NDF:3.8/3

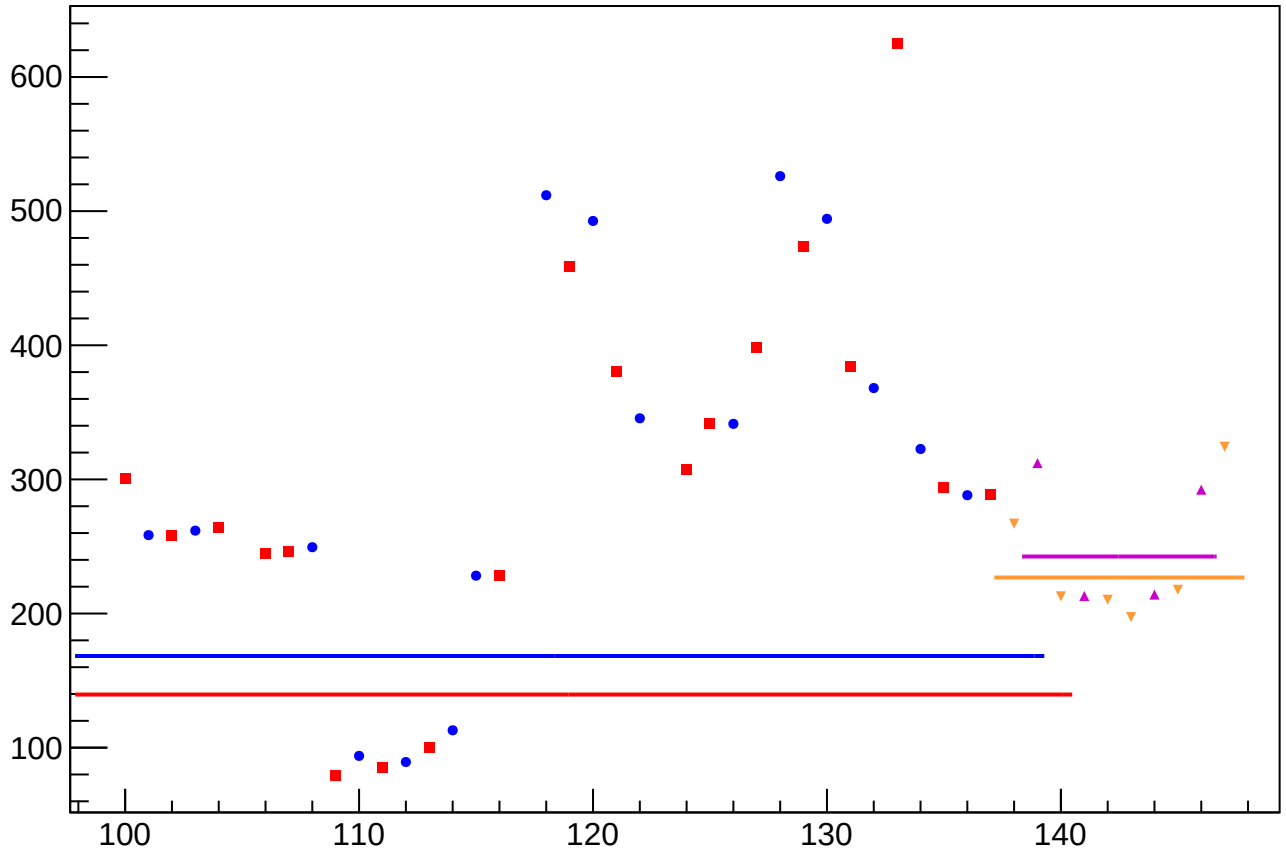
Left: -105.197+/-83.782 χ^2/NDF: 19.5/9

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -71.111+/-65.926 χ^2/NDF:23.4/19

Out: -57.974+/-55.115 χ^2/NDF:27.7/24

All: -63.378+/-42.285 χ^2/NDF: 51.1/44



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 226.849+/-0.077 χ^2/NDF:235571.0/5

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 242.512+/-0.093 χ^2/NDF:200741.0/3

Left: 233.217+/-0.059 χ^2/NDF: 453177.8/9

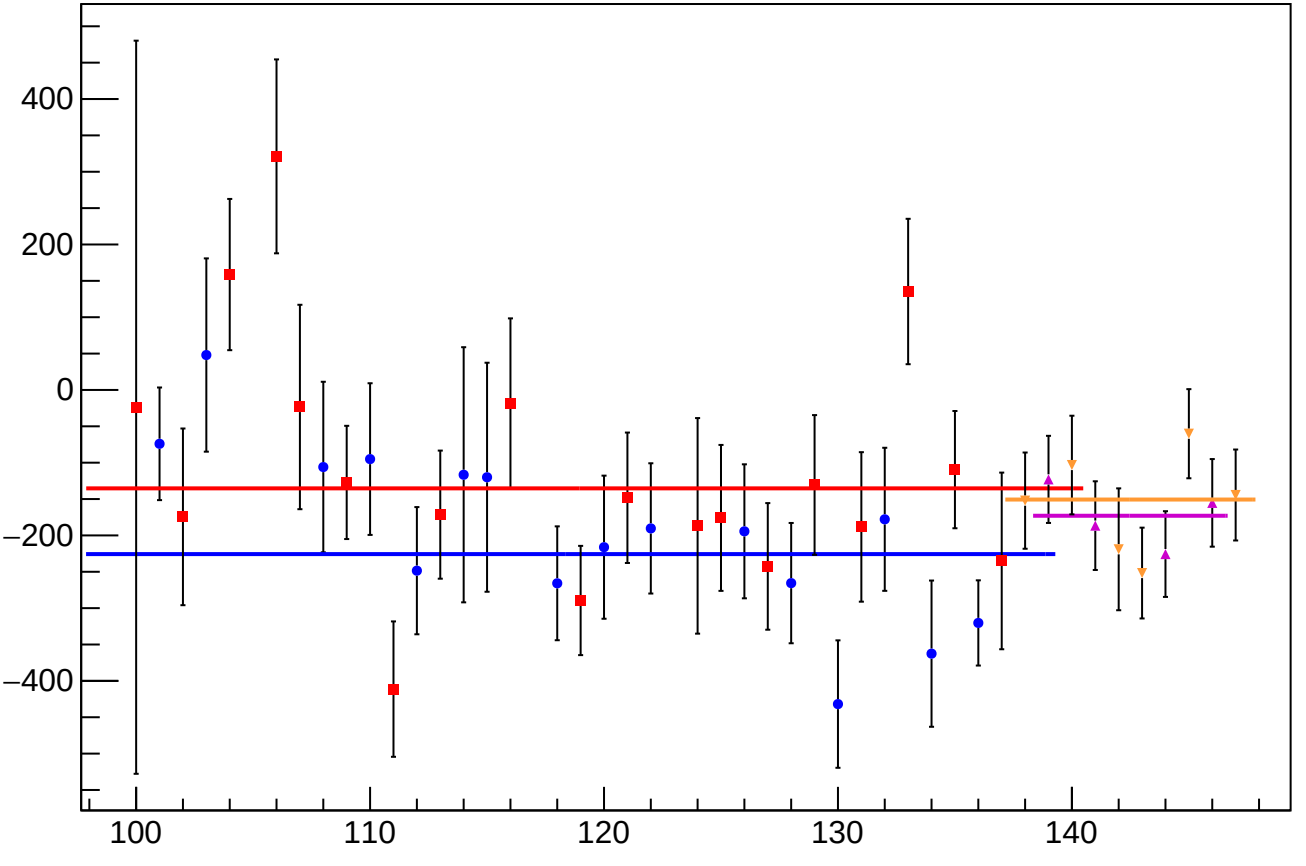
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 187.004+/-0.047 χ^2/NDF:5221789.2/19

Out: 162.002+/-0.039 χ^2/NDF:6346448.0/24

All: 172.287+/-0.030 χ^2/NDF: 11737549.0/44

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -150.681+/-27.044 χ^2/NDF:6.0/5

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -172.967+/-29.996 χ^2/NDF:1.6/3

Left: -160.674+/-20.086 χ^2/NDF: 7.9/9

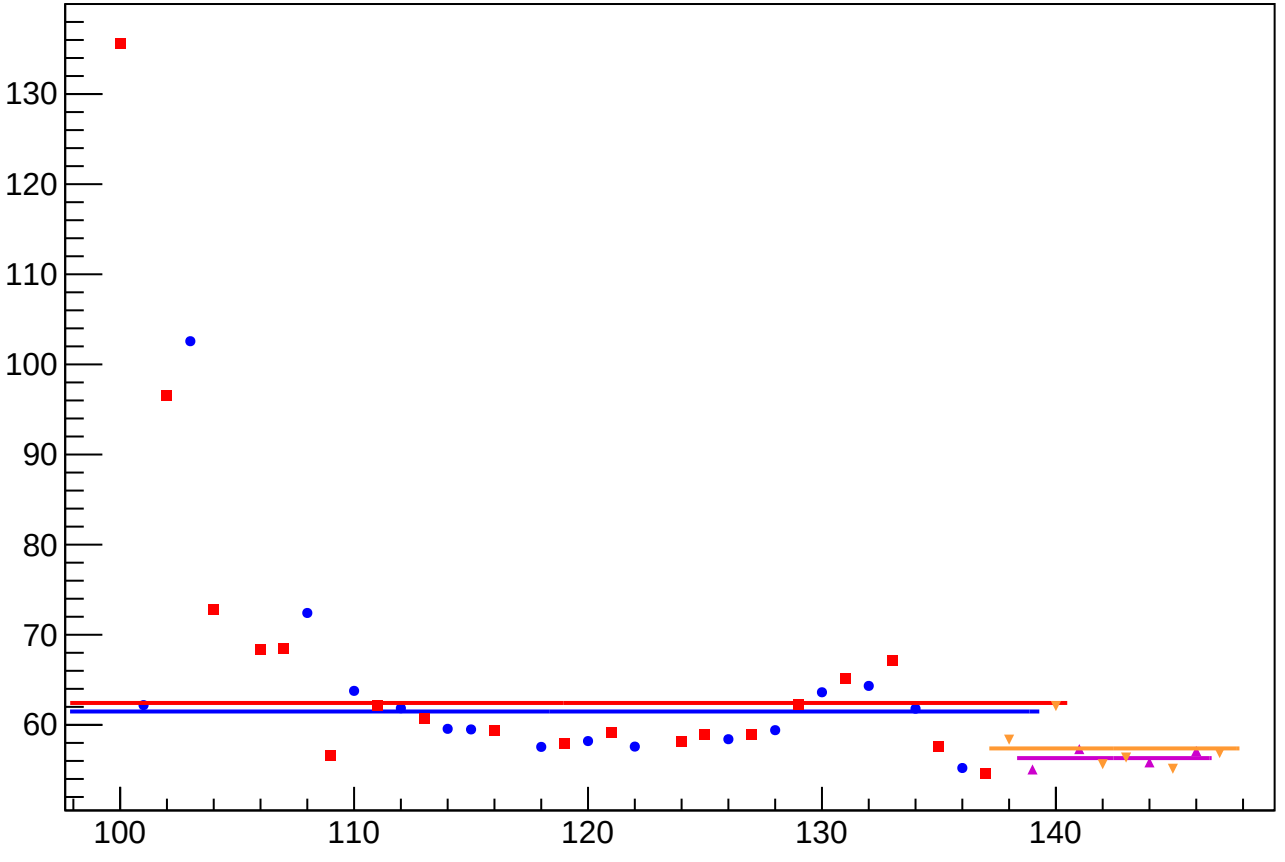
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -206.044+/-18.311 χ^2/NDF:26.2/19

Out: -141.829+/-17.611 χ^2/NDF:51.1/24

All: -172.685+/-12.693 χ^2/NDF: 83.6/44

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.388+/-0.019 χ^2/NDF:14277.2/5

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

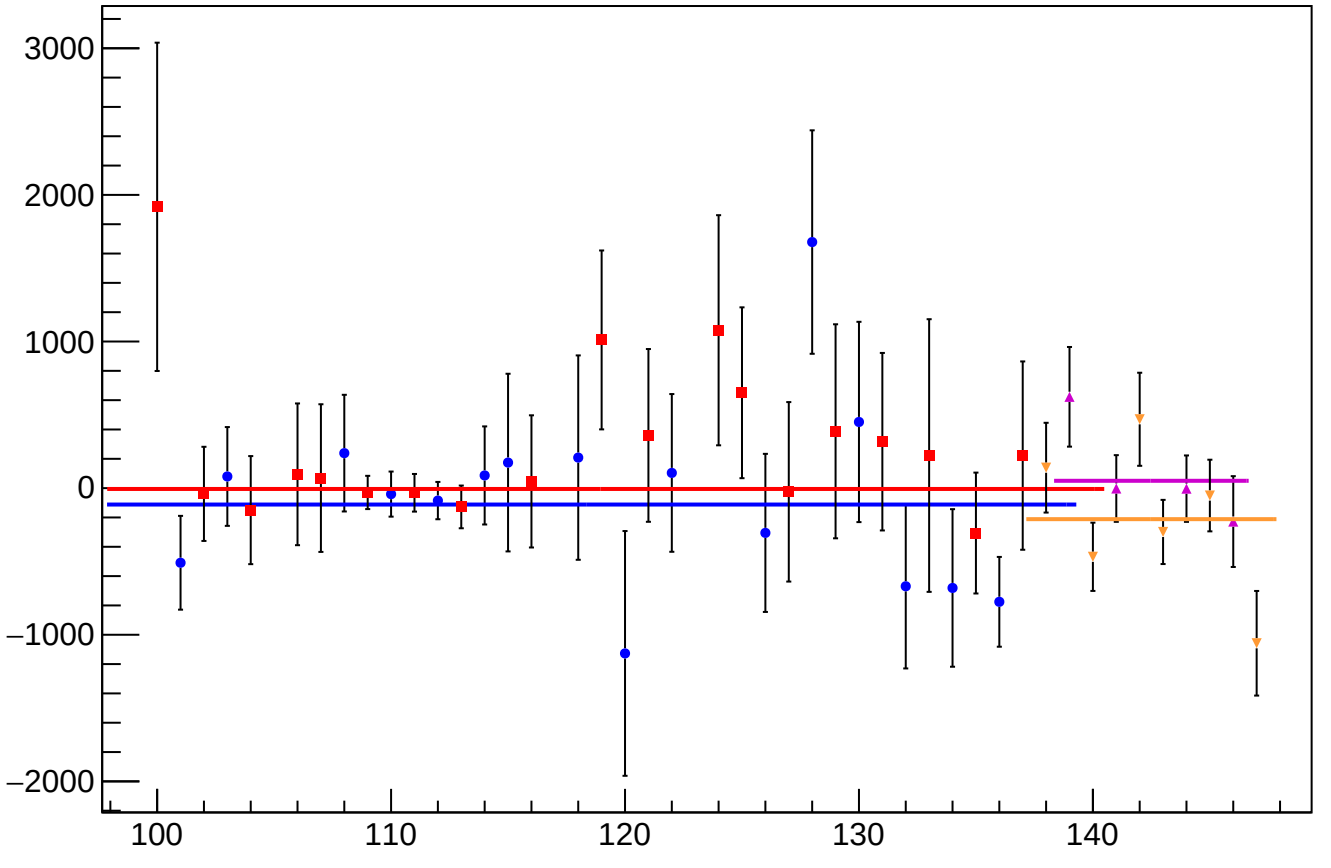
Left: 56.906+/-0.014 χ^2/NDF: 17585.2/9

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.559+/-0.013 χ^2/NDF:289868.5/19

Out: 60.293+/-0.012 χ^2/NDF:333769.9/24

All: 59.940+/-0.009 χ^2/NDF: 625312.1/44



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -211.579+/-108.758 χ^2/NDF:13.4/5

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 50.083+/-131.397 χ^2/NDF:3.8/3

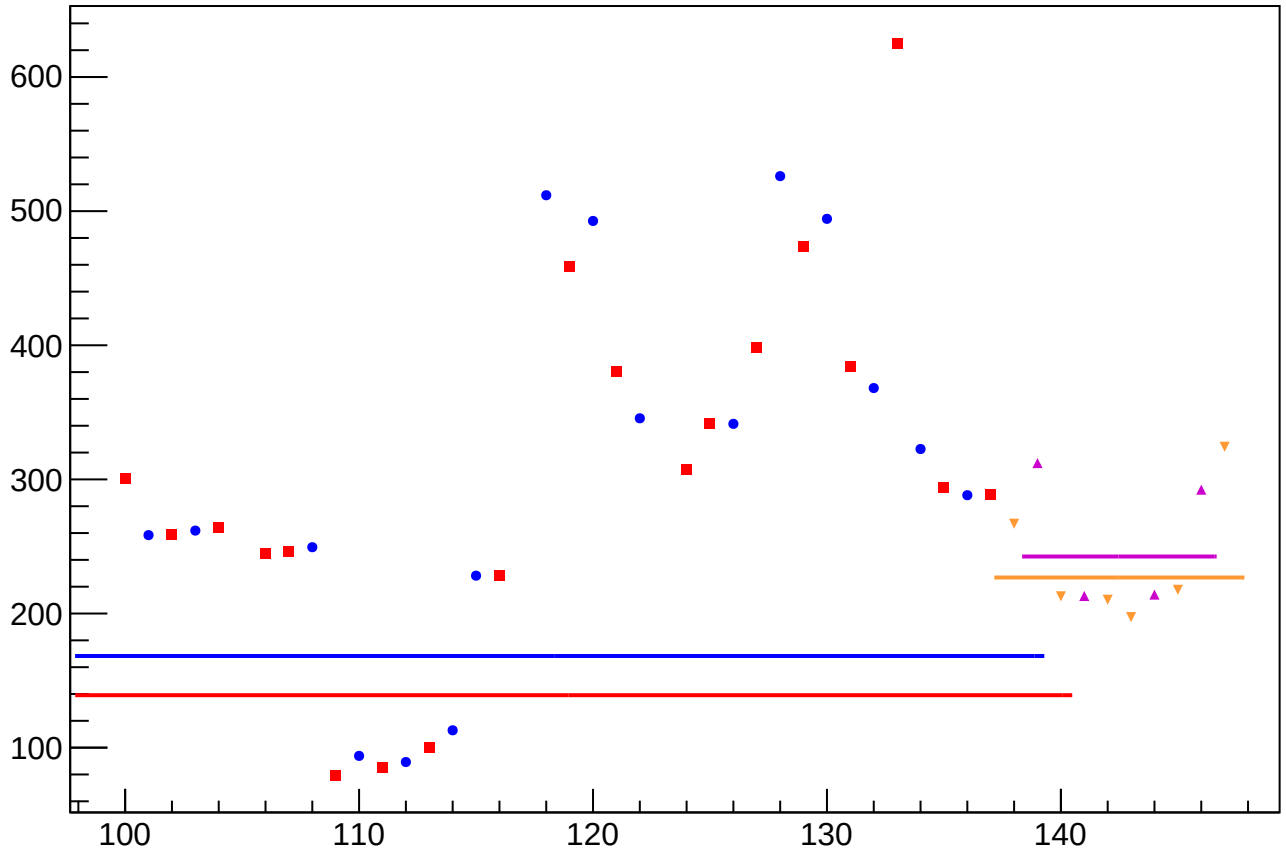
Left: -105.197+/-83.781 χ^2/NDF: 19.5/9

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -71.098+/-65.926 χ^2/NDF:23.4/19

Out: -58.697+/-55.212 χ^2/NDF:27.6/24

All: -63.810+/-42.329 χ^2/NDF: 51.0/44



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 226.848+/-0.077 χ^2/NDF:235569.6/5

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 242.512+/-0.093 χ^2/NDF:200741.9/3

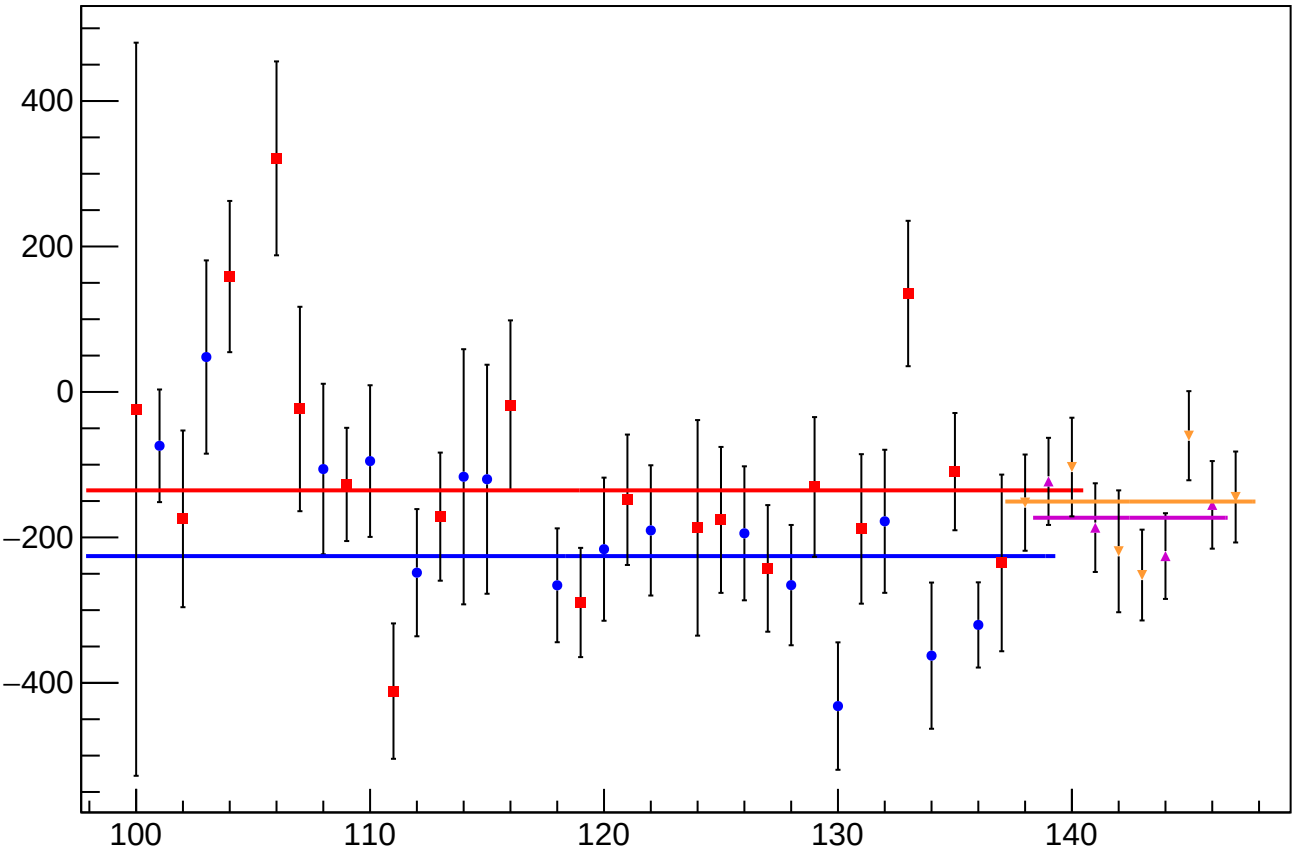
Left: 233.217+/-0.059 χ^2/NDF: 453178.3/9

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 187.004+/-0.047 χ^2/NDF:5221840.7/19

Out: 161.718+/-0.039 χ^2/NDF:6331867.3/24

All: 172.142+/-0.030 χ^2/NDF: 11726635.2/44



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -150.681+/-27.044 χ^2/NDF:6.0/5

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -172.967+/-29.996 χ^2/NDF:1.6/3

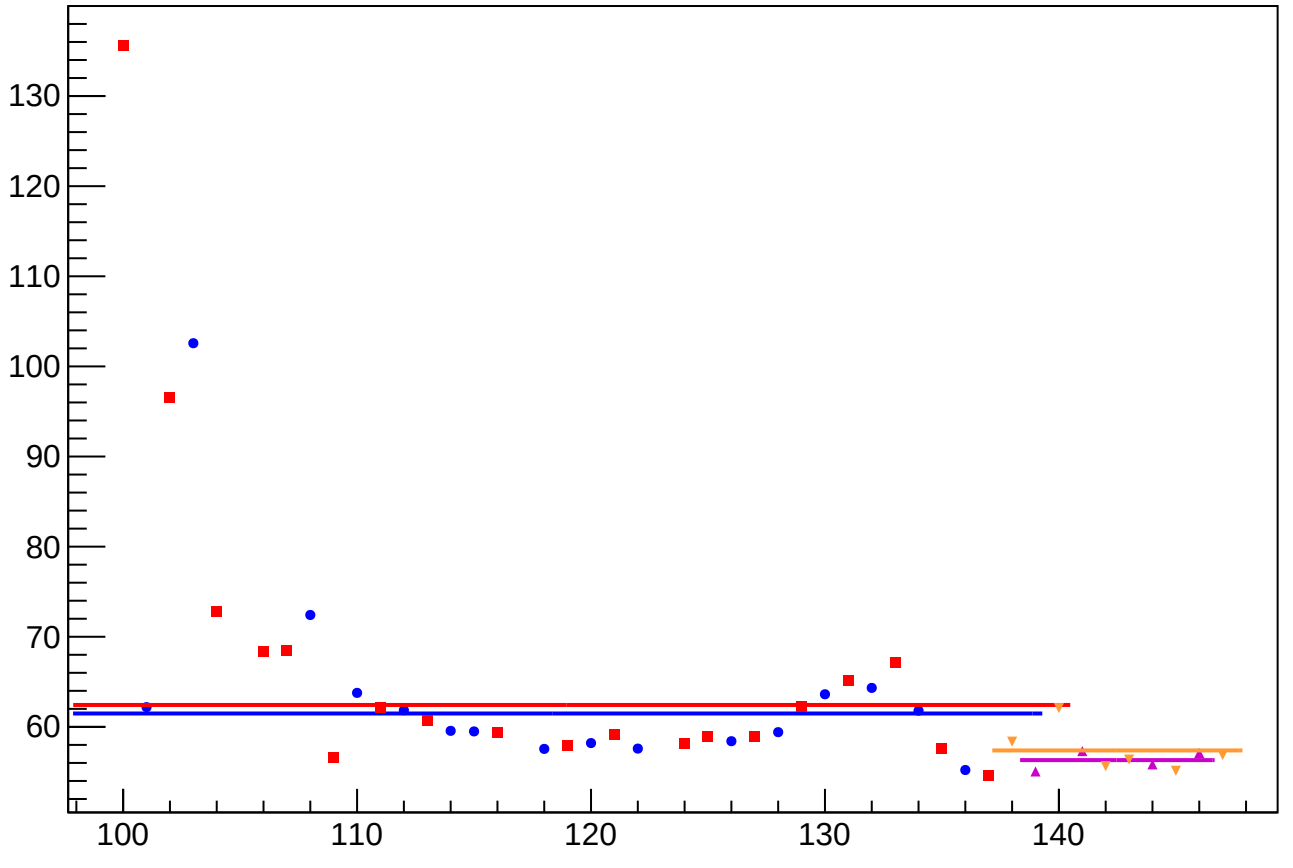
Left: -160.674+/-20.086 χ^2/NDF: 7.9/9

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -206.044+/-18.311 χ^2/NDF:26.2/19

Out: -141.829+/-17.611 χ^2/NDF:51.1/24

All: -172.685+/-12.693 χ^2/NDF: 83.6/44



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.388+/-0.019 χ^2/NDF:14277.2/5

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.314+/-0.021 χ^2/NDF:1893.6/3

Left: 56.906+/-0.014 χ^2/NDF: 17585.2/9

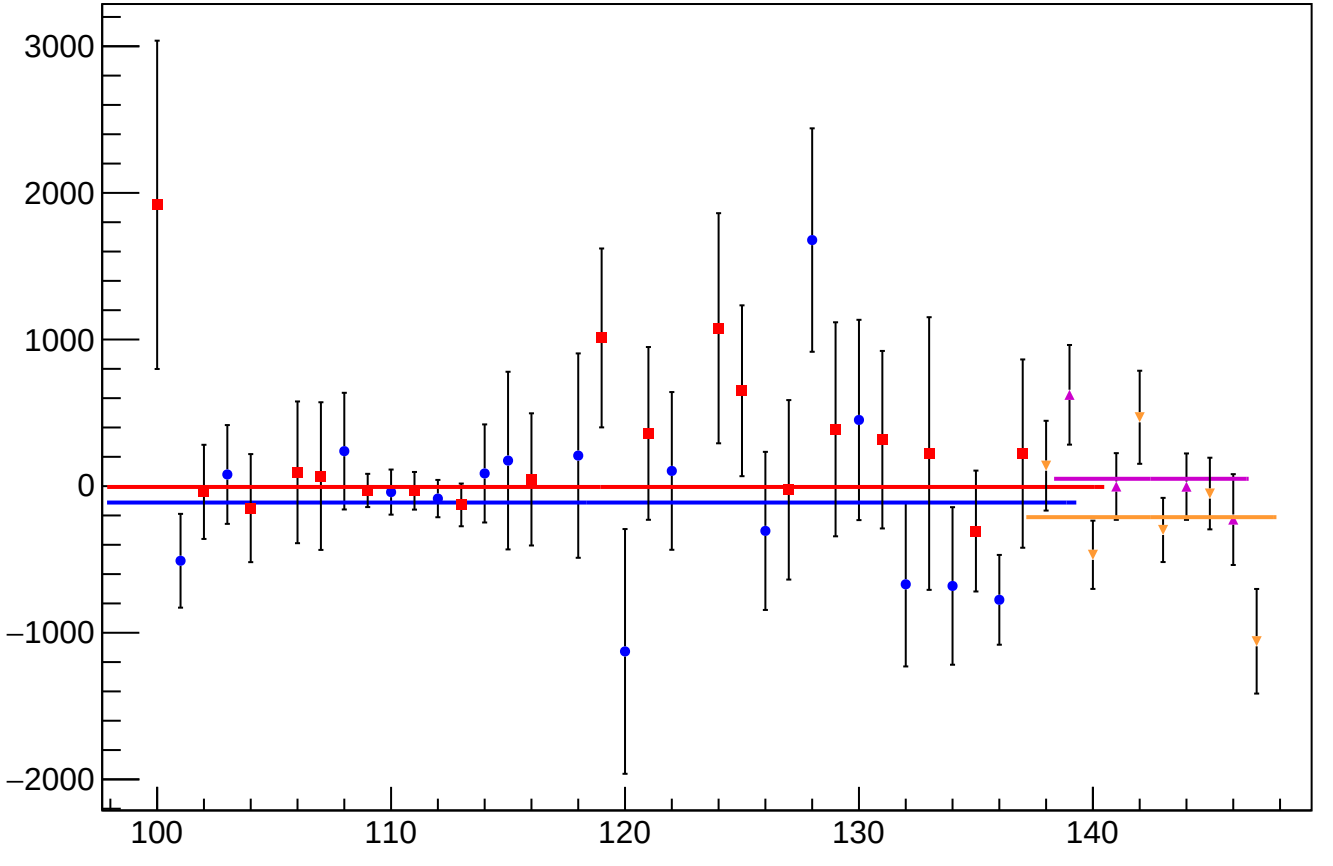
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.559+/-0.013 χ^2/NDF:289868.5/19

Out: 60.293+/-0.012 χ^2/NDF:333769.9/24

All: 59.940+/-0.009 χ^2/NDF: 625312.1/44

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -211.579+/-108.758 χ^2/NDF:13.4/5

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 50.083+/-131.397 χ^2/NDF:3.8/3

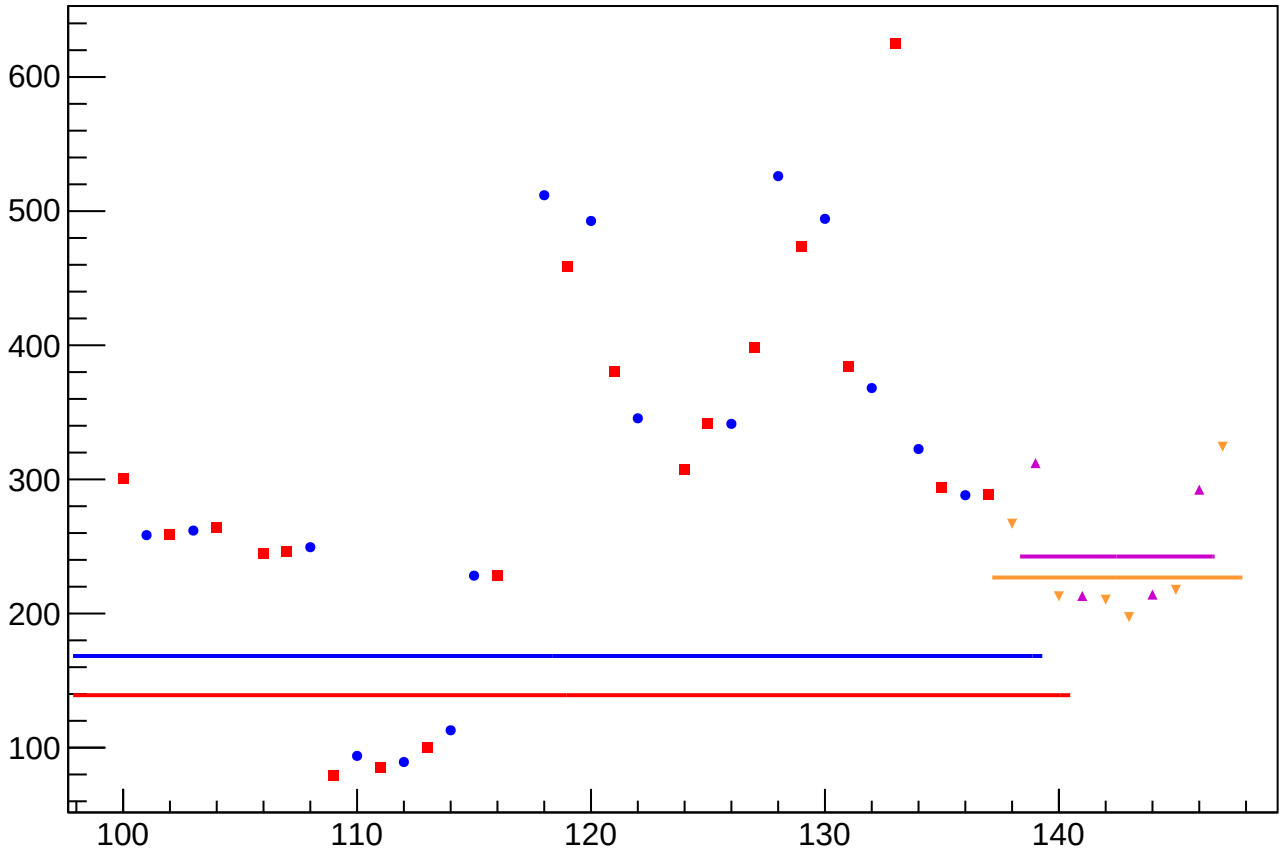
Left: -105.197+/-83.781 χ^2/NDF: 19.5/9

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -71.098+/-65.926 χ^2/NDF:23.4/19

Out: -58.697+/-55.212 χ^2/NDF:27.6/24

All: -63.810+/-42.329 χ^2/NDF: 51.0/44



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 226.848+/-0.077 χ^2/NDF:235569.6/5

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 242.512+/-0.093 χ^2/NDF:200741.9/3

Left: 233.217+/-0.059 χ^2/NDF: 453178.3/9

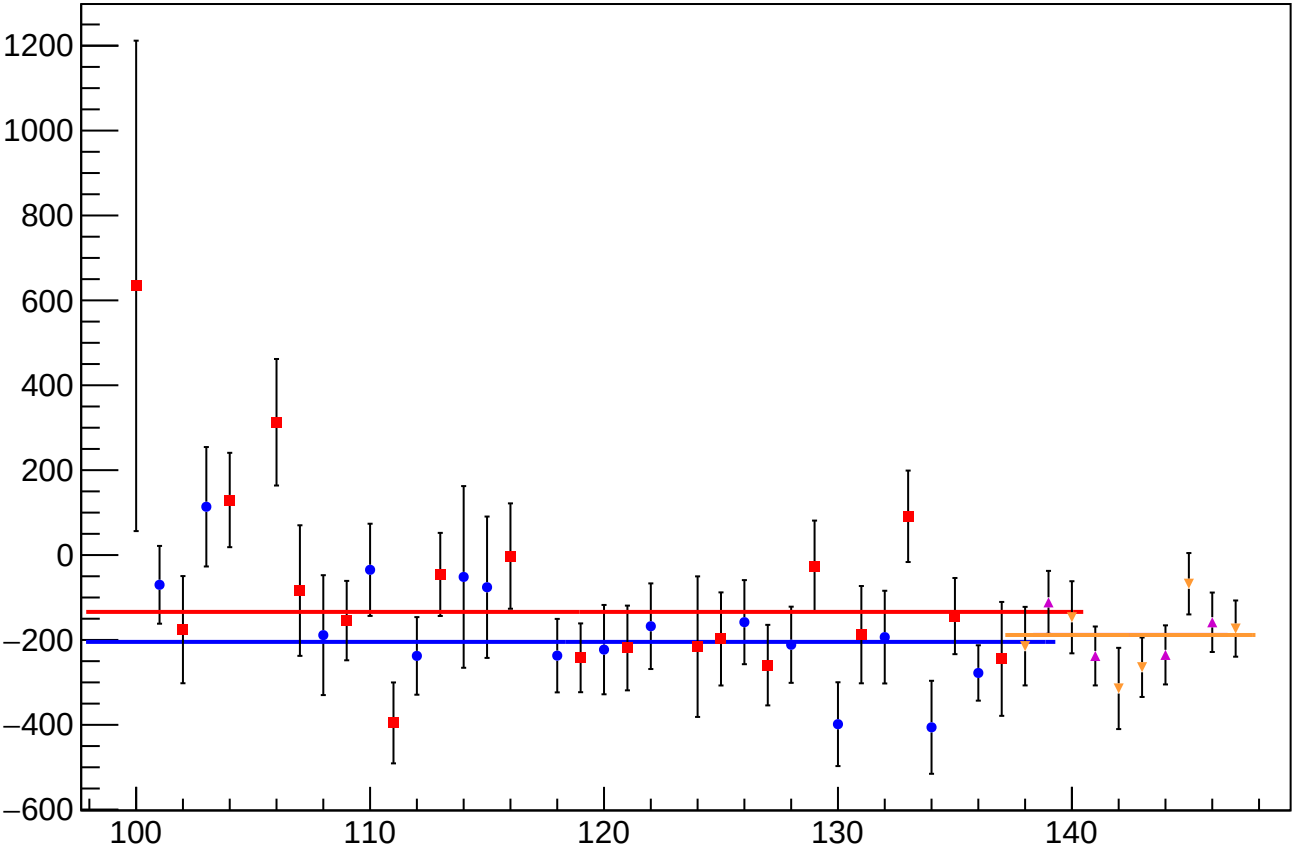
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 187.004+/-0.047 χ^2/NDF:5221840.7/19

Out: 161.718+/-0.039 χ^2/NDF:6331867.3/24

All: 172.142+/-0.030 χ^2/NDF: 11726635.2/44

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -188.299+/-31.820 χ^2/NDF:6.1/5

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -188.130+/-35.360 χ^2/NDF:2.2/3

Left: -188.223+/-23.653 χ^2/NDF: 8.3/9

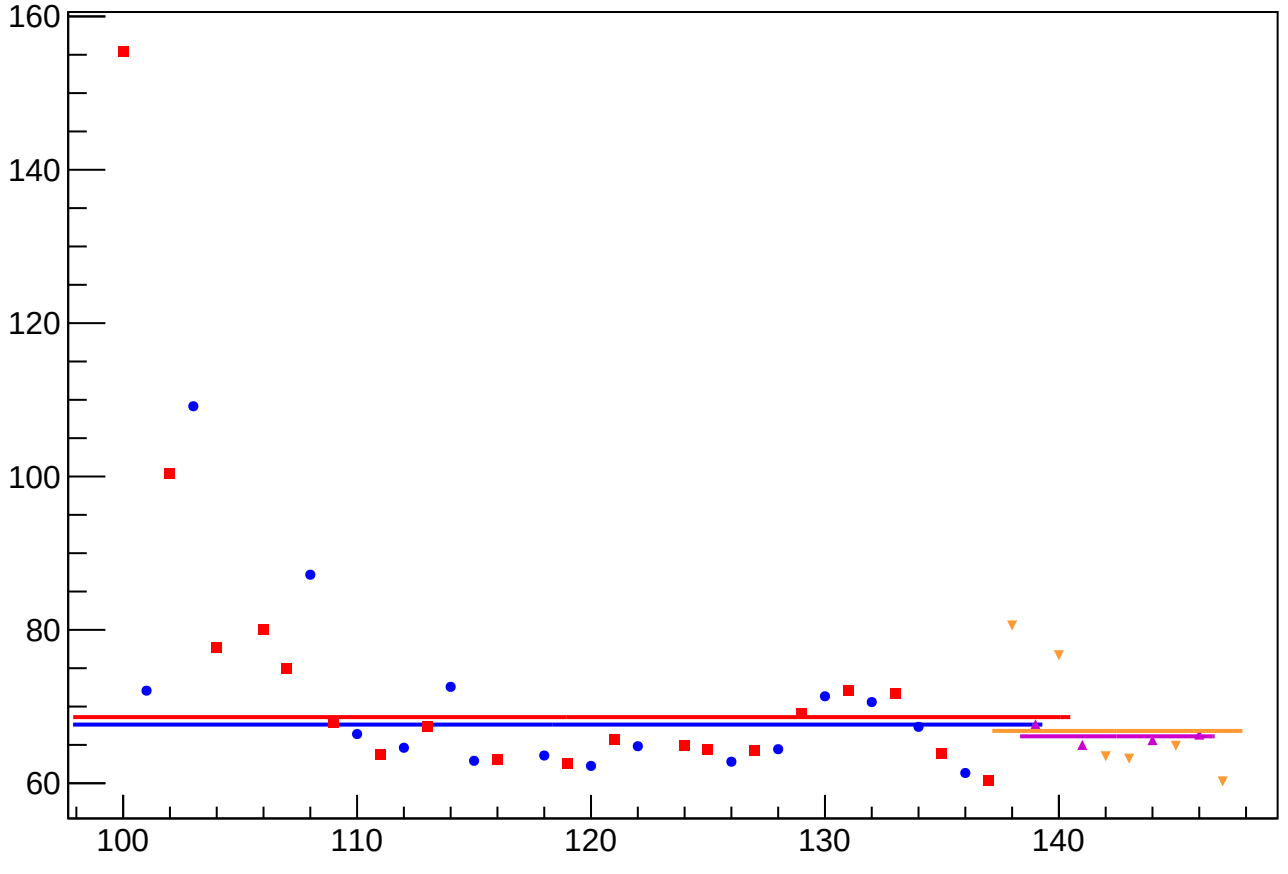
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -198.943+/-20.695 χ^2/NDF:22.4/19

Out: -155.172+/-19.891 χ^2/NDF:45.1/24

All: -176.190+/-14.341 χ^2/NDF: 69.8/44

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 66.823+/-0.023 χ^2/NDF:100103.7/5

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 66.118+/-0.025 χ^2/NDF:1544.0/3

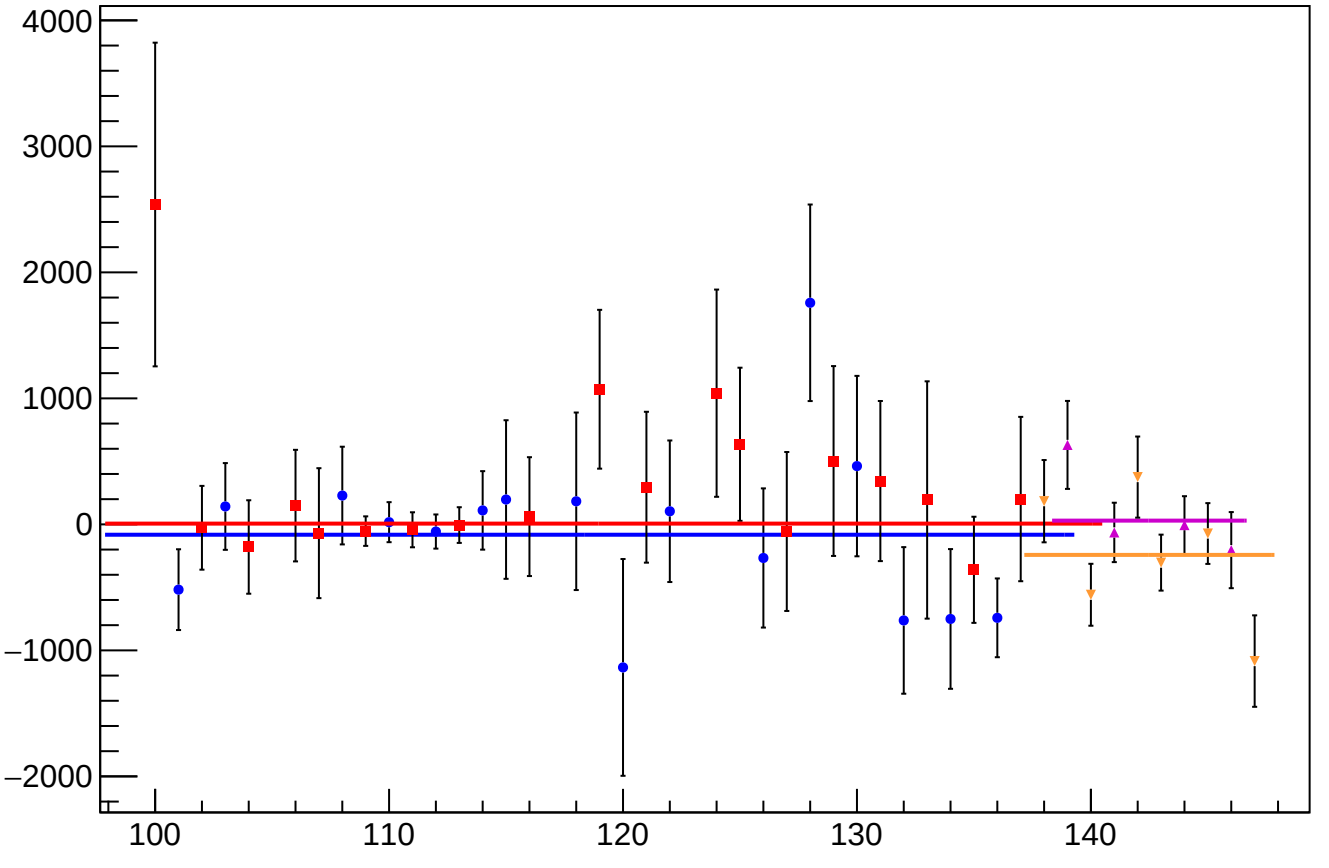
Left: 66.508+/-0.017 χ^2/NDF: 102087.6/9

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 67.123+/-0.015 χ^2/NDF:267674.7/19

Out: 67.920+/-0.014 χ^2/NDF:352170.3/24

All: 67.538+/-0.010 χ^2/NDF: 621386.4/44



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -242.284+/-111.350 χ^2/NDF:13.0/5

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 29.755+/-133.433 χ^2/NDF:3.7/3

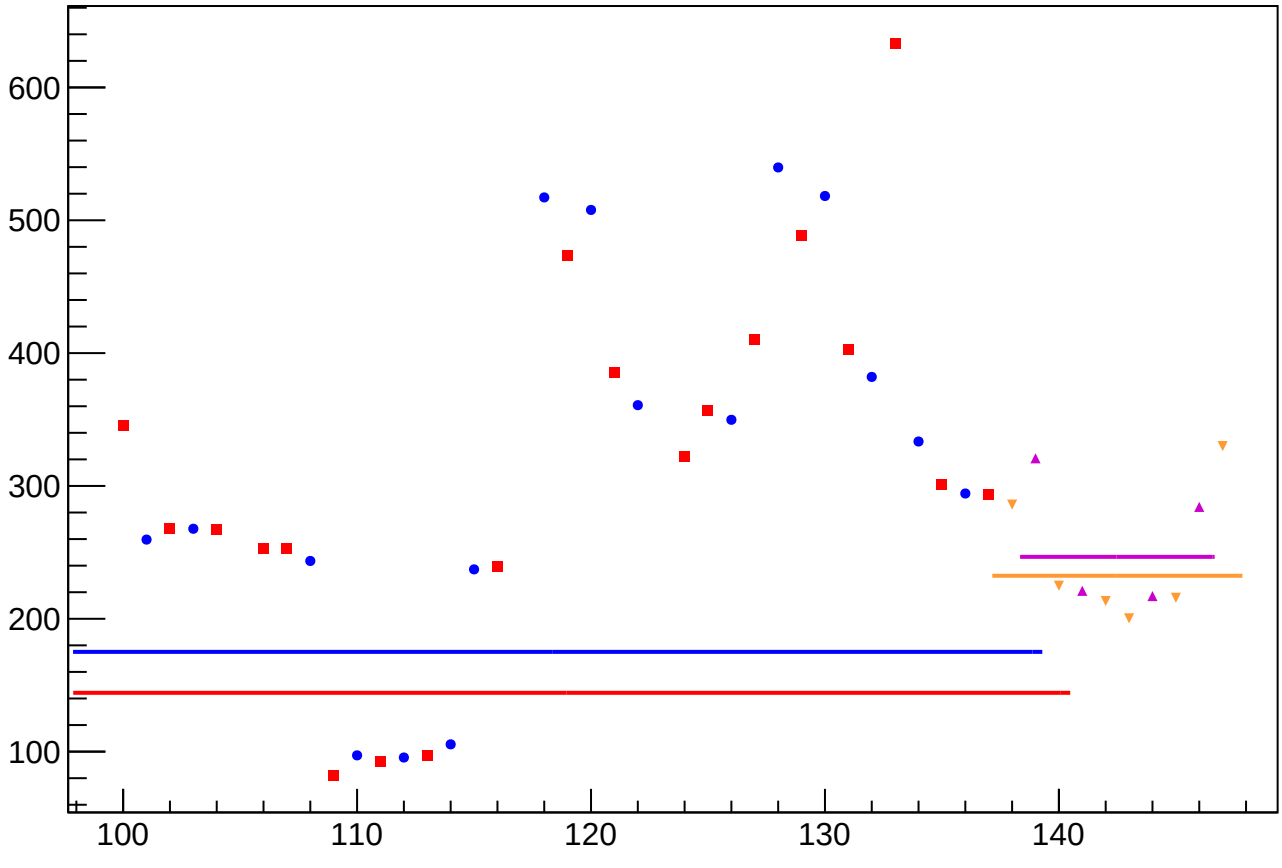
Left: -130.608+/-85.493 χ^2/NDF: 19.2/9

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -53.339+/-67.772 χ^2/NDF:23.5/19

Out: -58.373+/-56.719 χ^2/NDF:28.7/24

All: -56.299+/-43.496 χ^2/NDF: 52.2/44



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 232.398+/-0.079 χ^2/NDF:258381.5/5

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 246.623+/-0.094 χ^2/NDF:177978.8/3

Left: 238.237+/-0.060 χ^2/NDF: 449759.1/9

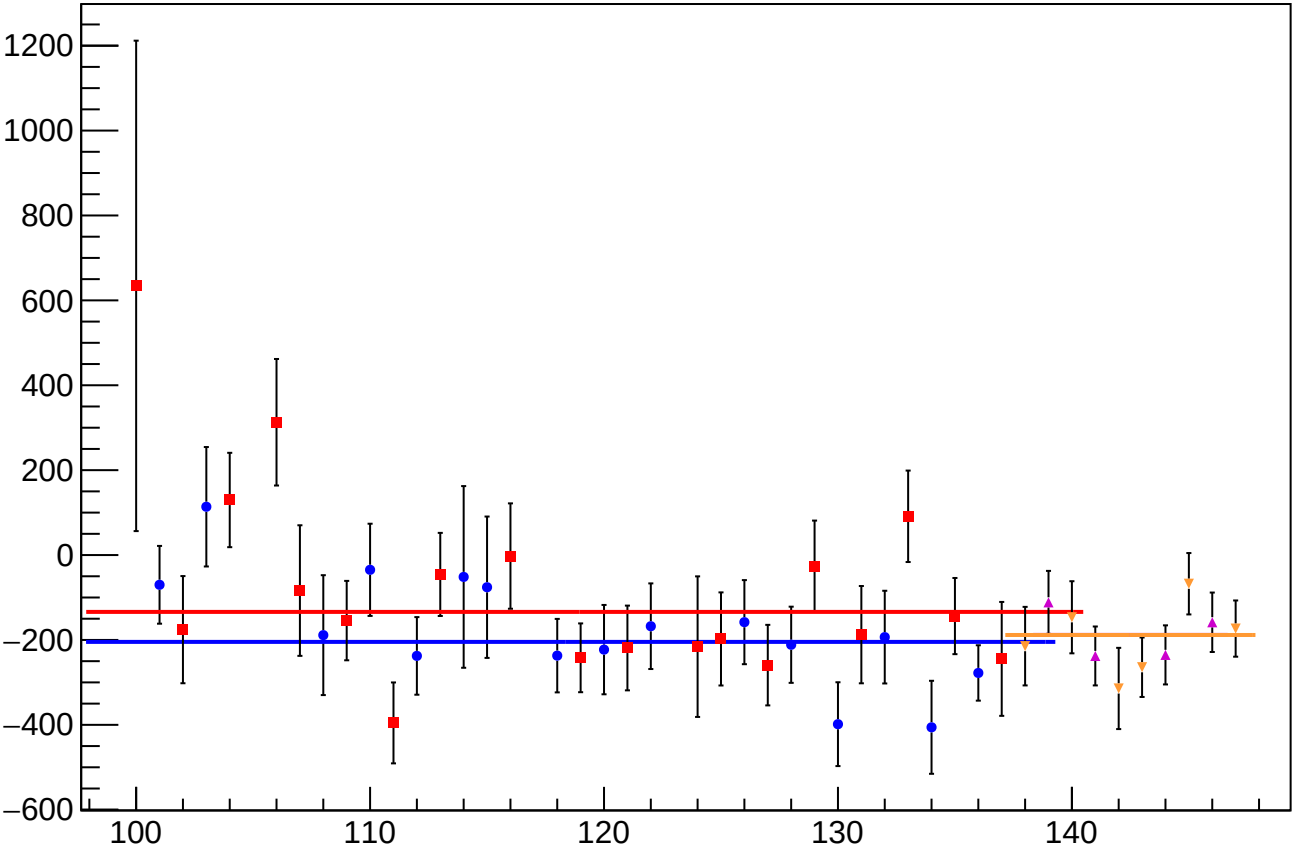
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 193.550+/-0.048 χ^2/NDF:5033453.7/19

Out: 167.140+/-0.040 χ^2/NDF:6318411.7/24

All: 178.019+/-0.031 χ^2/NDF: 11530481.6/44

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -188.300+/-31.820 χ^2/NDF:6.1/5

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -188.130+/-35.361 χ^2/NDF:2.2/3

Left: -188.224+/-23.653 χ^2/NDF: 8.3/9

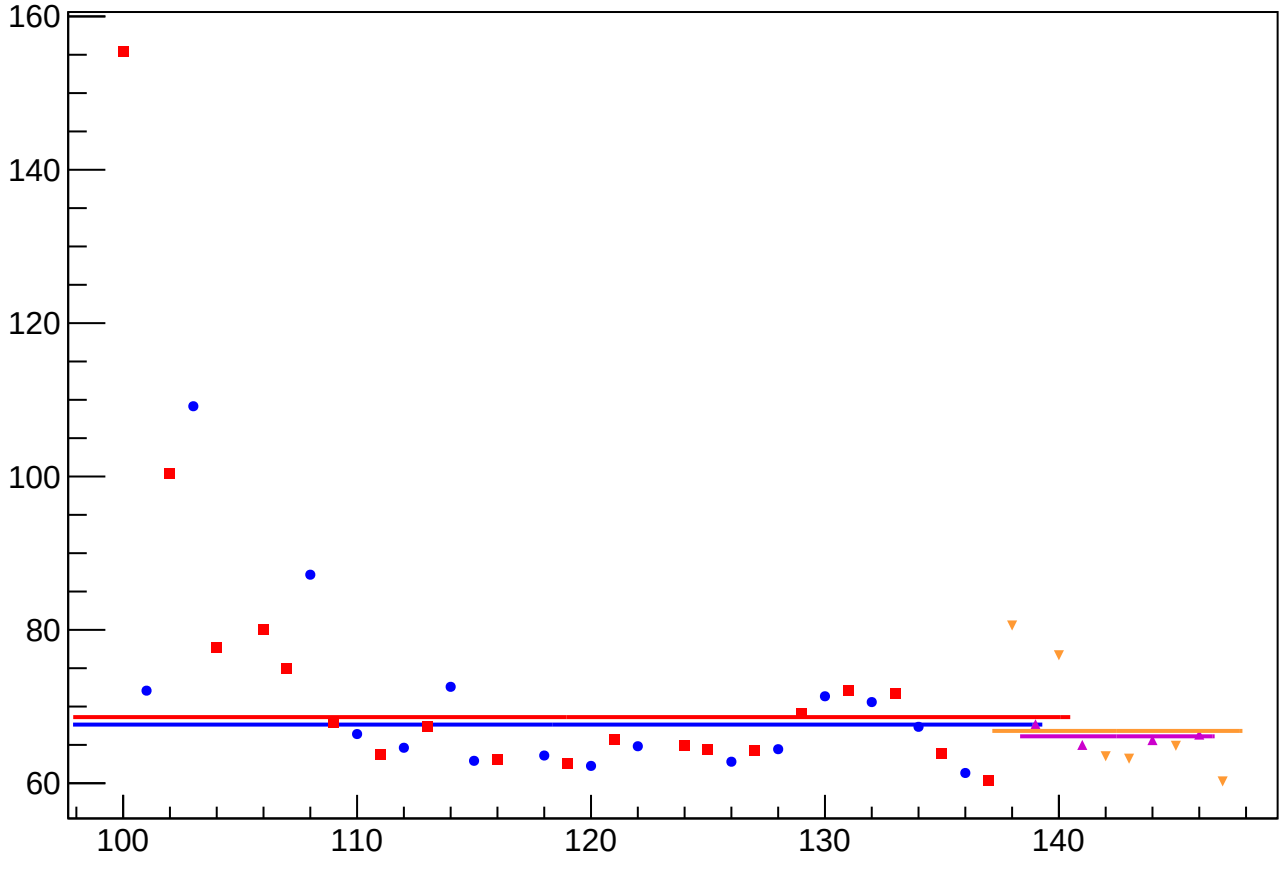
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -198.943+/-20.695 χ^2/NDF:22.4/19

Out: -155.173+/-19.891 χ^2/NDF:45.1/24

All: -176.191+/-14.341 χ^2/NDF: 69.8/44

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 66.823+/-0.023 χ^2/NDF:100101.8/5

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 66.118+/-0.025 χ^2/NDF:1543.8/3

Left: 66.508+/-0.017 χ^2/NDF: 102085.5/9

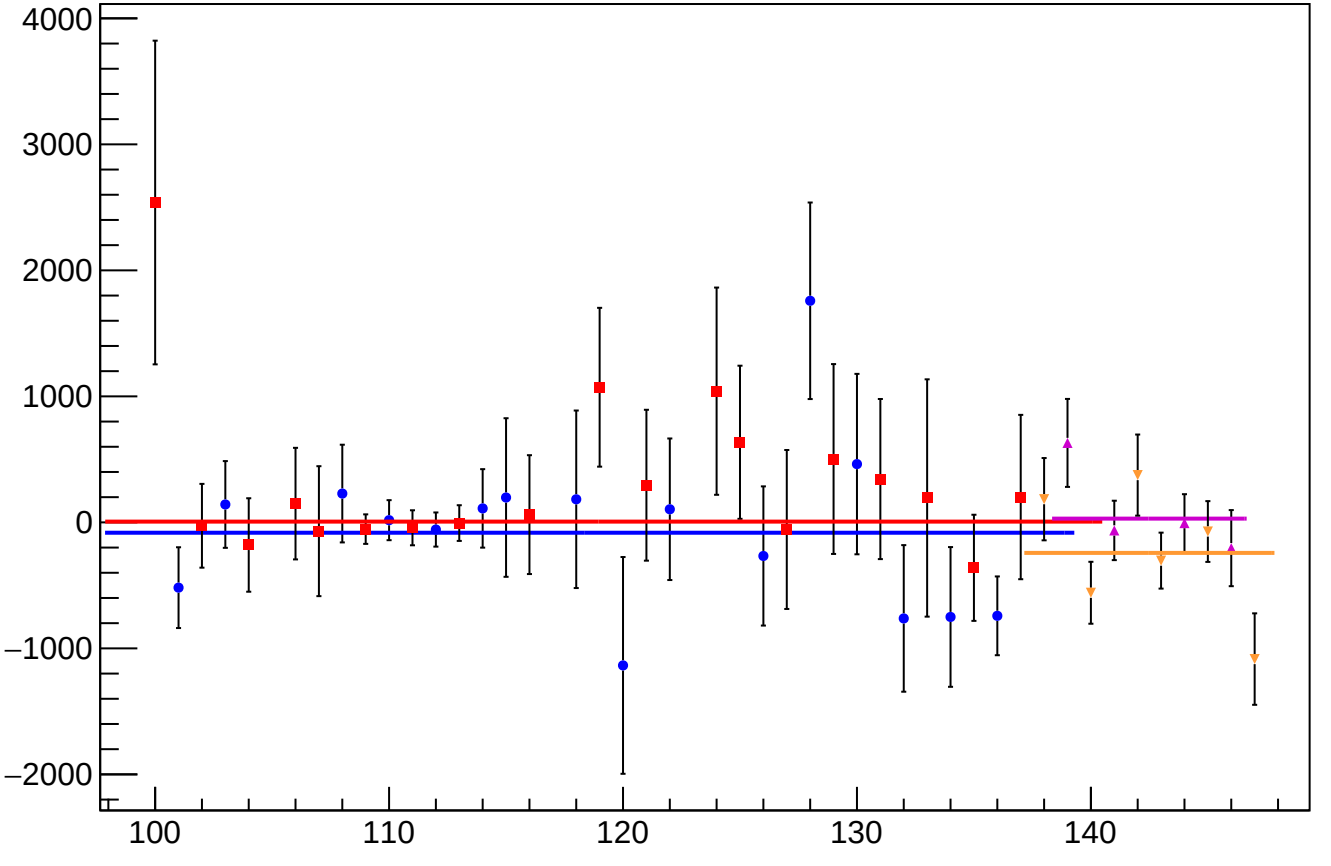
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 67.123+/-0.015 χ^2/NDF:267672.7/19

Out: 67.920+/-0.014 χ^2/NDF:352168.6/24

All: 67.538+/-0.010 χ^2/NDF: 621382.5/44

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -242.285+/-111.350 χ^2/NDF:13.0/5

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 29.755+/-133.433 χ^2/NDF:3.7/3

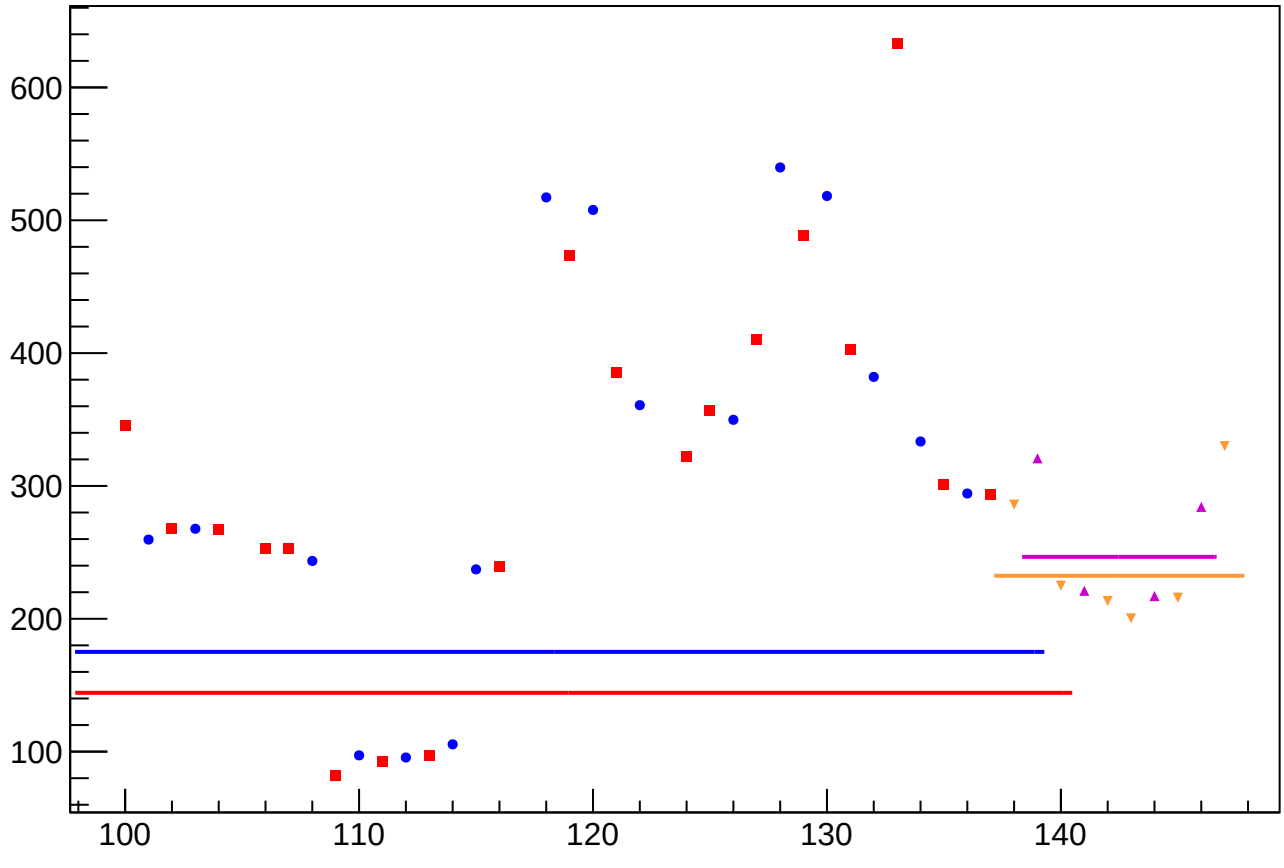
Left: -130.608+/-85.492 χ^2/NDF: 19.2/9

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -53.338+/-67.772 χ^2/NDF:23.5/19

Out: -58.374+/-56.719 χ^2/NDF:28.7/24

All: -56.300+/-43.496 χ^2/NDF: 52.2/44



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 232.397+/-0.079 χ^2/NDF:258382.2/5

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 246.622+/-0.094 χ^2/NDF:177976.7/3

Left: 238.236+/-0.060 χ^2/NDF: 449758.2/9

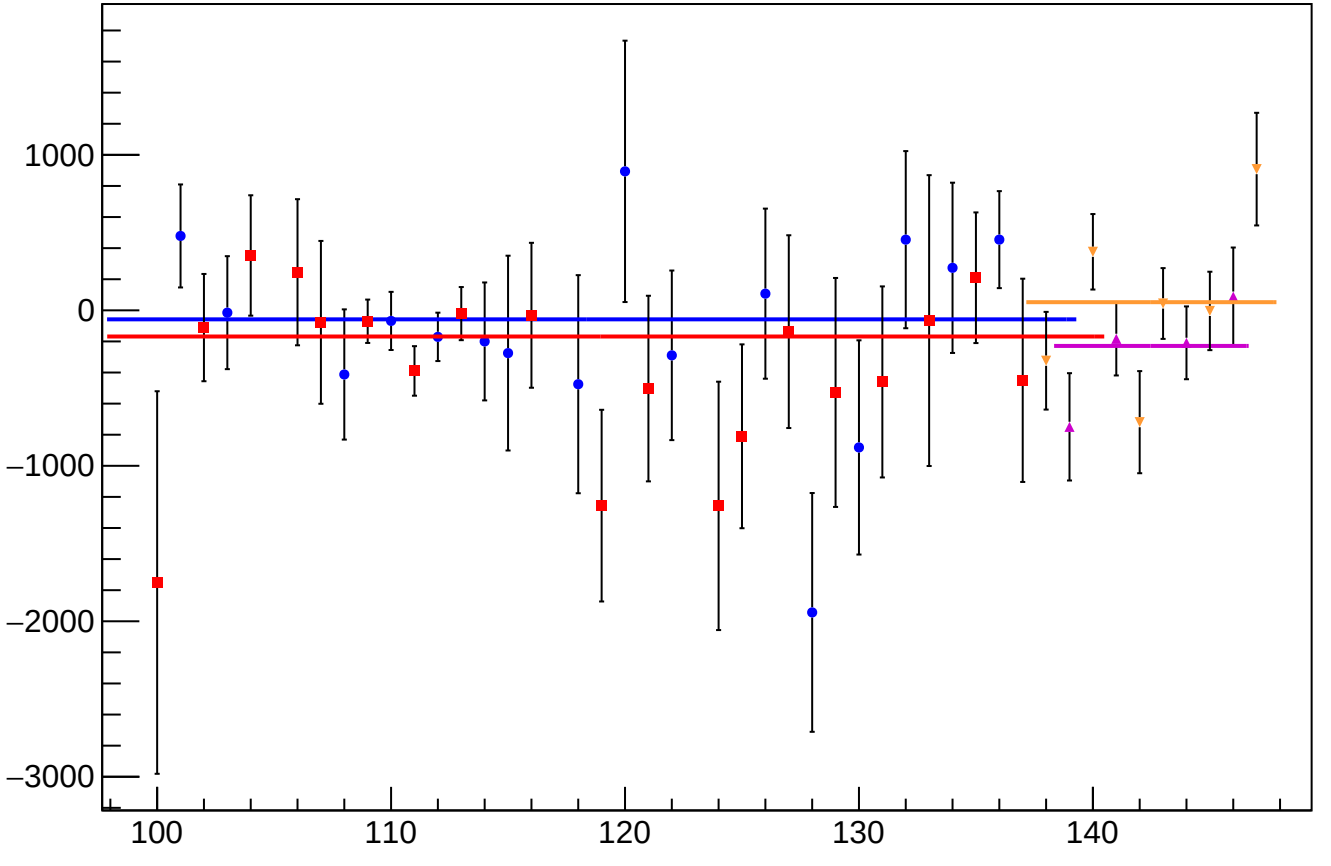
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 193.549+/-0.048 χ^2/NDF:5033482.5/19

Out: 167.140+/-0.040 χ^2/NDF:6318382.7/24

All: 178.018+/-0.031 χ^2/NDF: 11530471.1/44

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 52.465+/-112.505 χ^2/NDF:14.4/5

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -228.930+/-135.248 χ^2/NDF:3.3/3

Left: -62.618+/-86.492 χ^2/NDF: 20.3/9

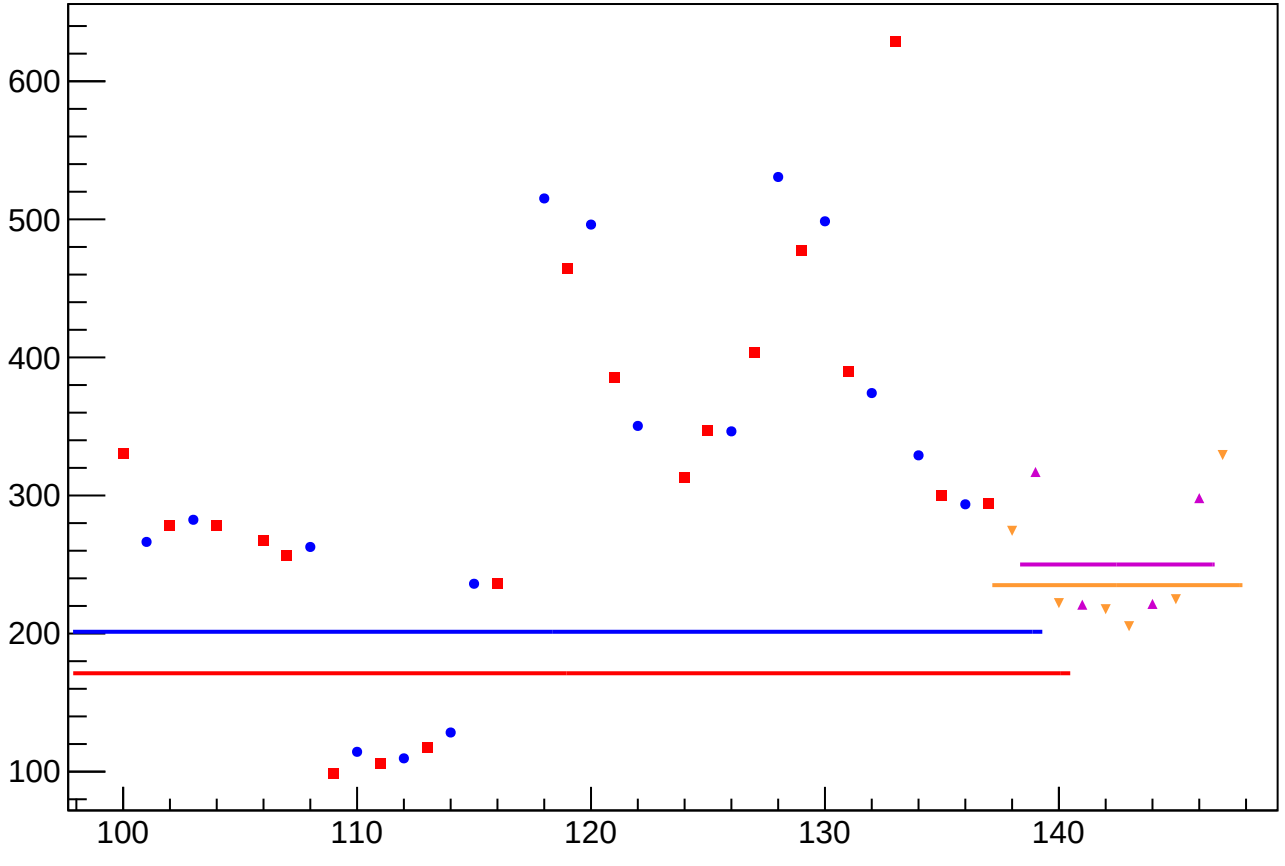
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -107.918+/-73.104 χ^2/NDF:21.8/19

Out: -100.897+/-62.172 χ^2/NDF:32.5/24

All: -103.843+/-47.361 χ^2/NDF: 54.4/44

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 235.066+/-0.080 χ^2/NDF:215492.1/5

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 250.033+/-0.096 χ^2/NDF:181965.3/3

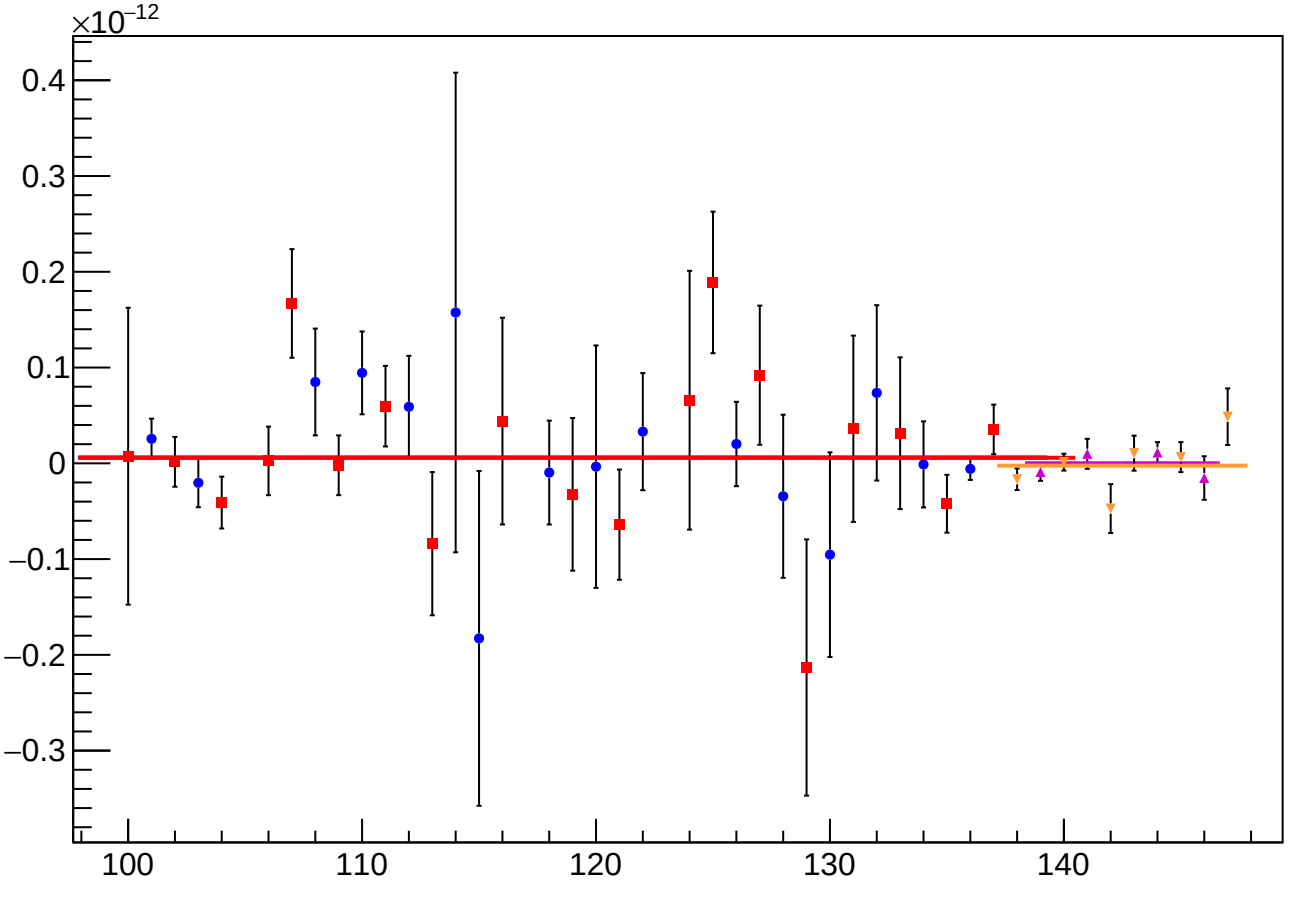
Left: 241.188+/-0.061 χ^2/NDF: 411933.3/9

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 215.539+/-0.052 χ^2/NDF:3937960.1/19

Out: 190.740+/-0.044 χ^2/NDF:4855008.8/24

All: 201.148+/-0.033 χ^2/NDF: 8926523.6/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/3

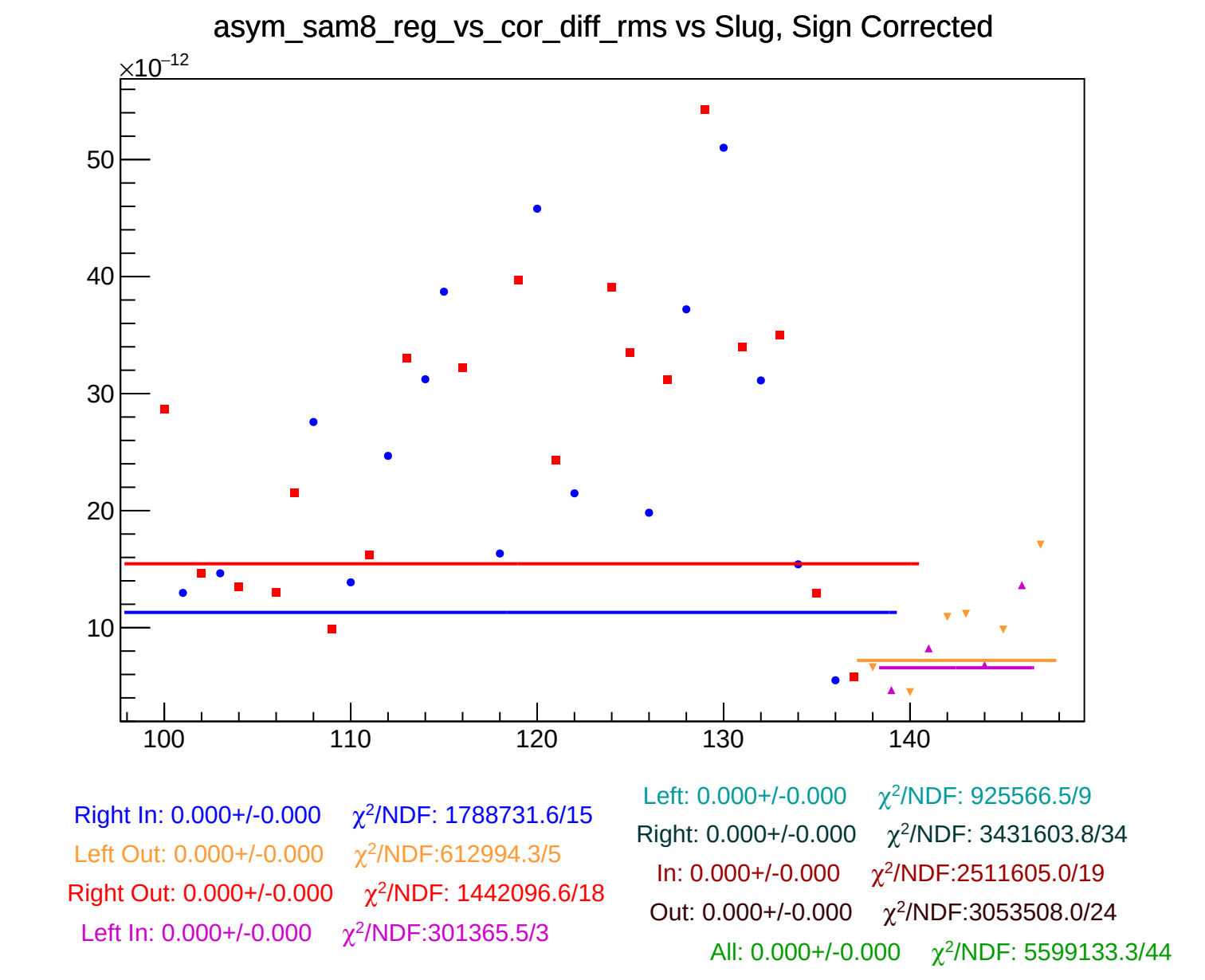
Left: -0.000+/-0.000 χ^2/NDF: 11.7/9

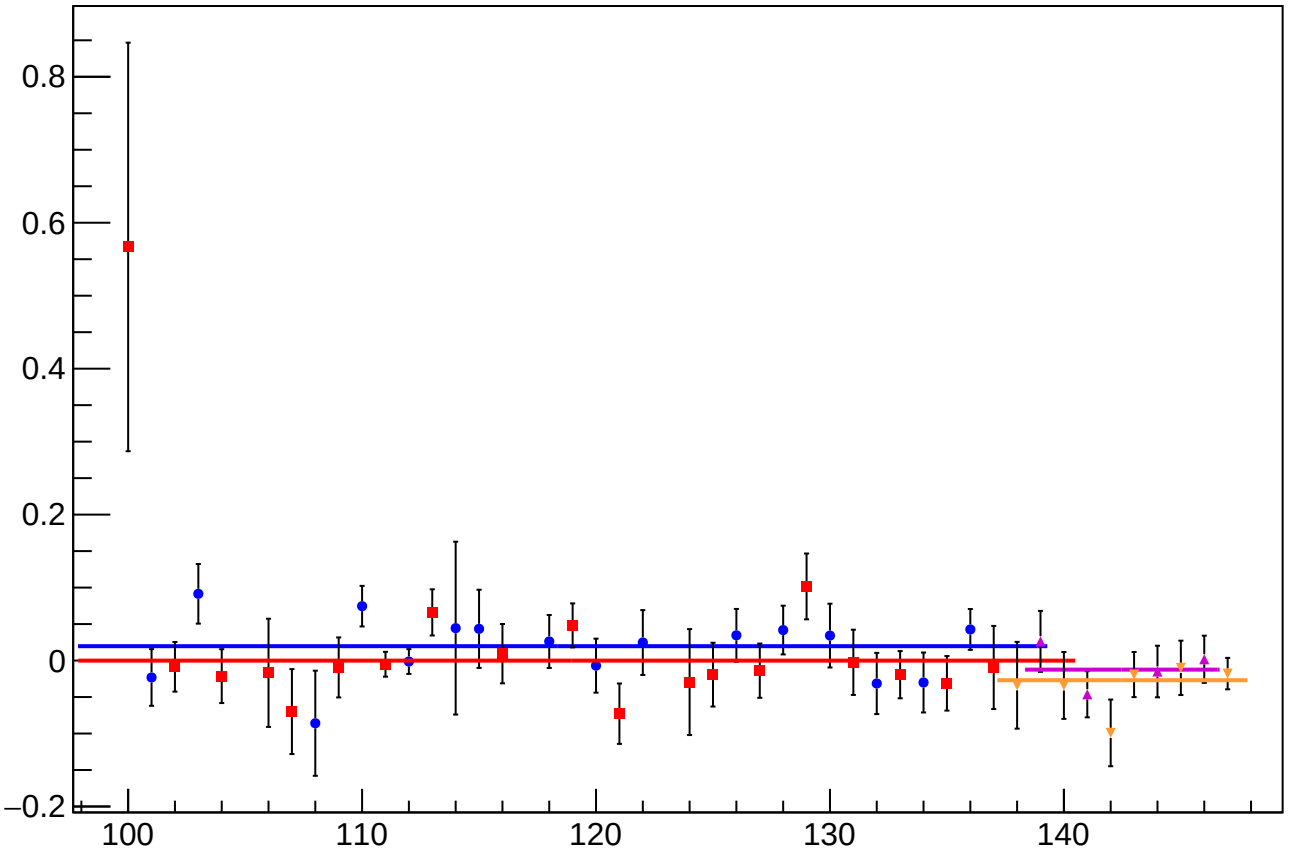
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:17.0/19

Out: -0.000+/-0.000 χ^2/NDF:39.7/24

All: 0.000+/-0.000 χ^2/NDF: 56.9/44


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:612994.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:301365.5/3
Left: 0.000+/-0.000 χ²/NDF: 925566.5/9
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:2511605.0/19
Out: 0.000+/-0.000 χ²/NDF:3053508.0/24
All: 0.000+/-0.000 χ²/NDF: 5599133.3/44



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.012+/-0.017 χ^2/NDF:2.2/3

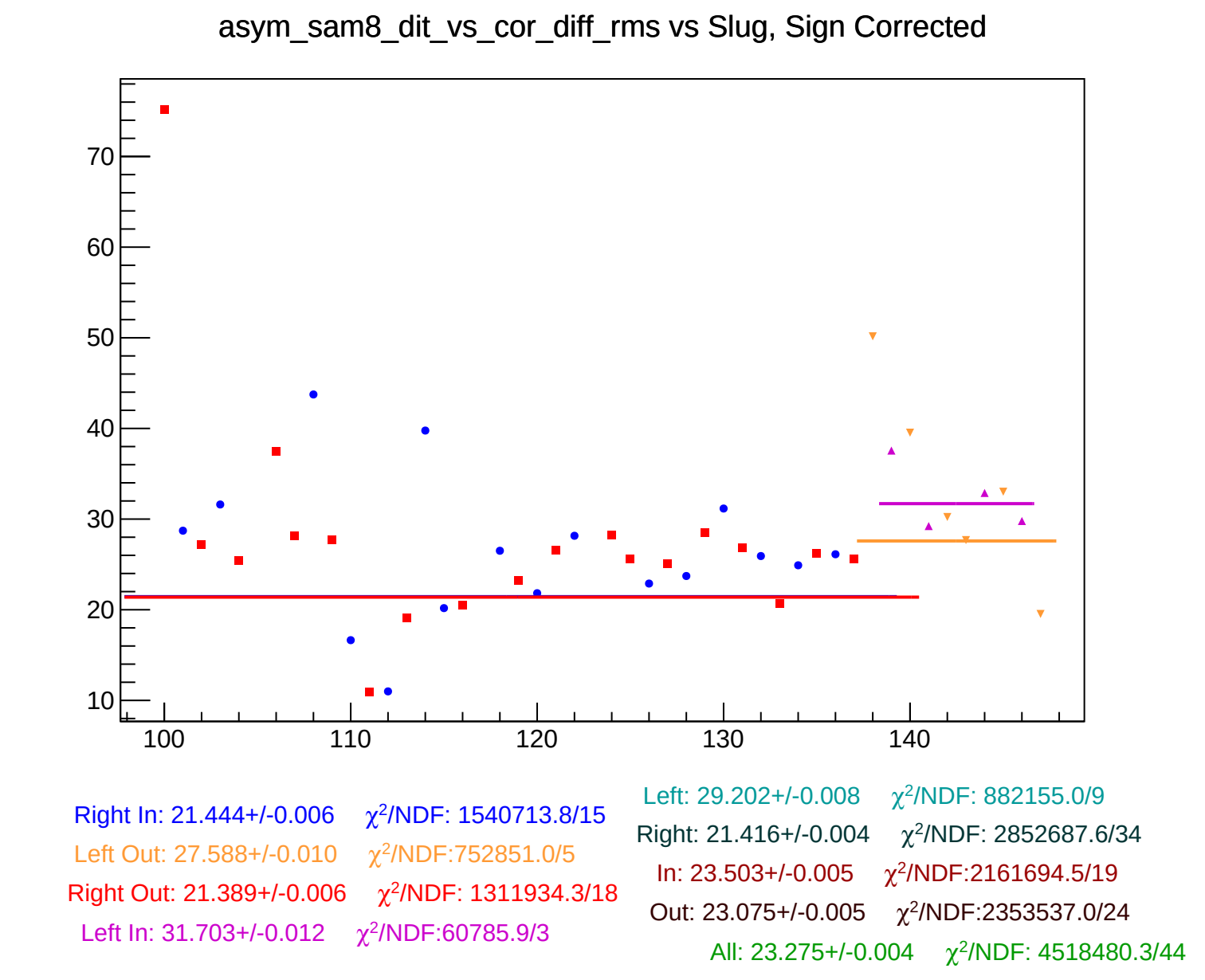
Left: -0.021+/-0.011 χ^2/NDF: 5.6/9

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

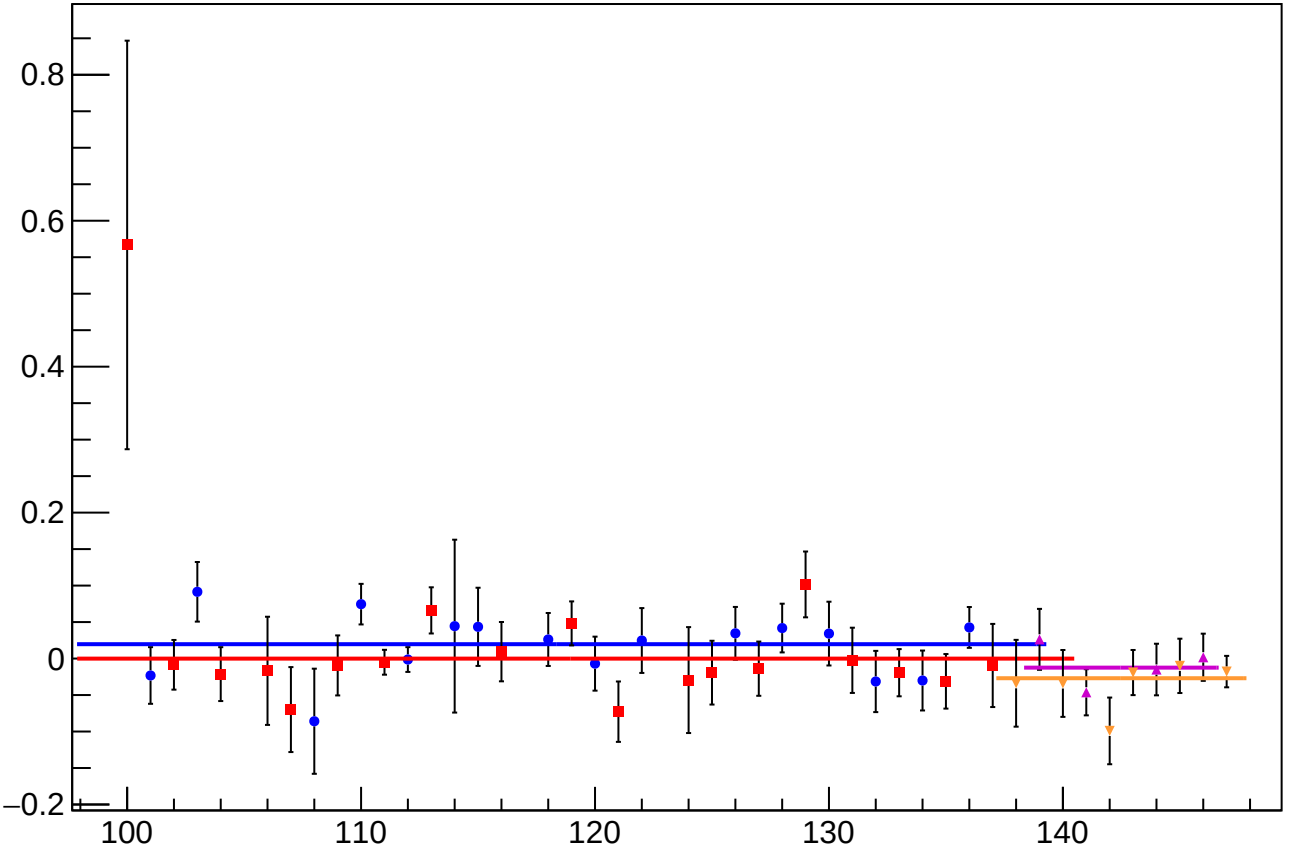
In: 0.013+/-0.008 χ^2/NDF:22.0/19

Out: -0.007+/-0.007 χ^2/NDF:28.5/24

All: 0.002+/-0.005 χ^2/NDF: 54.3/44


asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 21.444+/-0.006 χ²/NDF: 1540713.8/15
Left Out: 27.588+/-0.010 χ²/NDF:752851.0/5
Right Out: 21.389+/-0.006 χ²/NDF: 1311934.3/18
Left In: 31.703+/-0.012 χ²/NDF:60785.9/3
Left: 29.202+/-0.008 χ²/NDF: 882155.0/9
Right: 21.416+/-0.004 χ²/NDF: 2852687.6/34
In: 23.503+/-0.005 χ²/NDF:2161694.5/19
Out: 23.075+/-0.005 χ²/NDF:2353537.0/24
All: 23.275+/-0.004 χ²/NDF: 4518480.3/44

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.012+/-0.017 χ^2/NDF:2.2/3

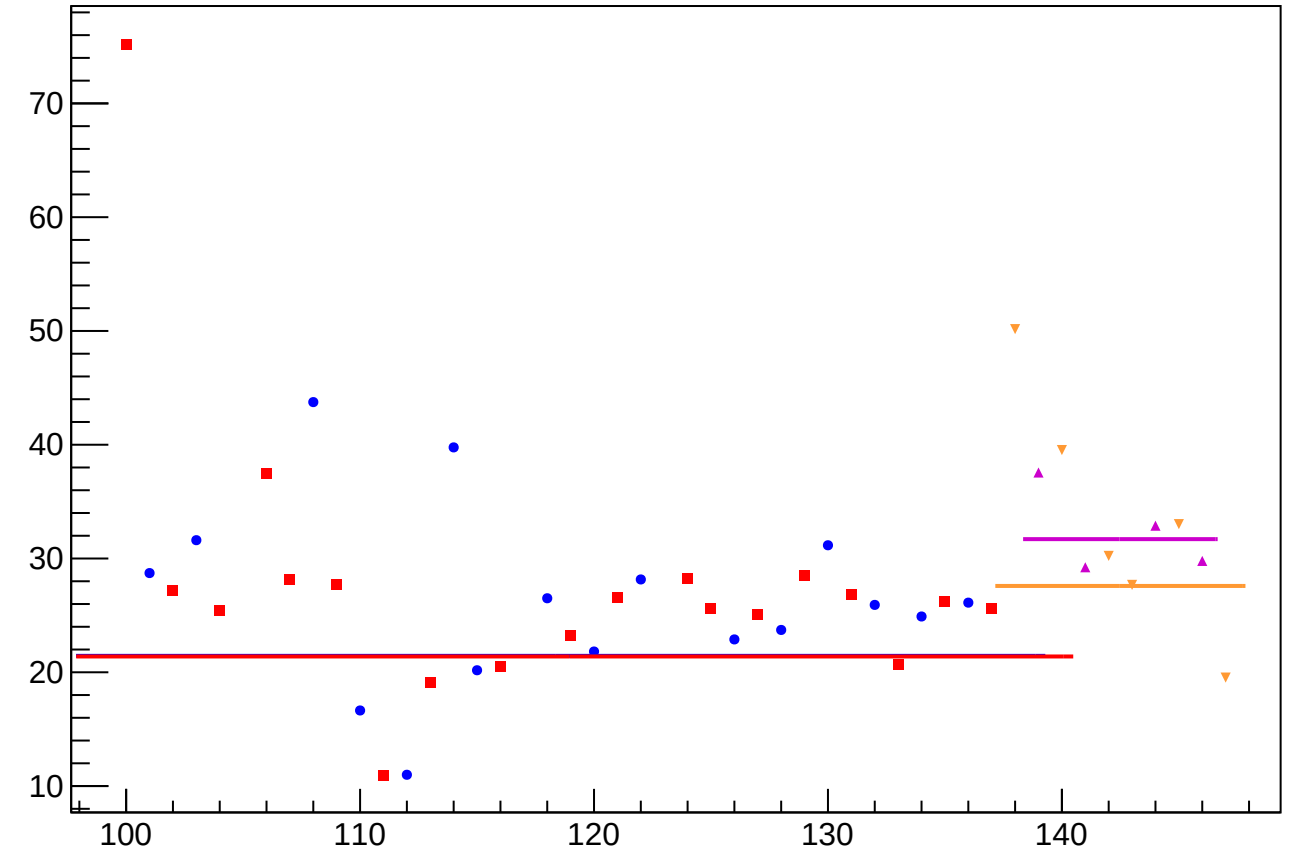
Left: -0.021+/-0.011 χ^2/NDF: 5.6/9

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.013+/-0.008 χ^2/NDF:22.0/19

Out: -0.007+/-0.007 χ^2/NDF:28.5/24

All: 0.002+/-0.005 χ^2/NDF: 54.3/44



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 27.588+/-0.010 χ^2/NDF:752851.0/5

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 31.703+/-0.012 χ^2/NDF:60785.9/3

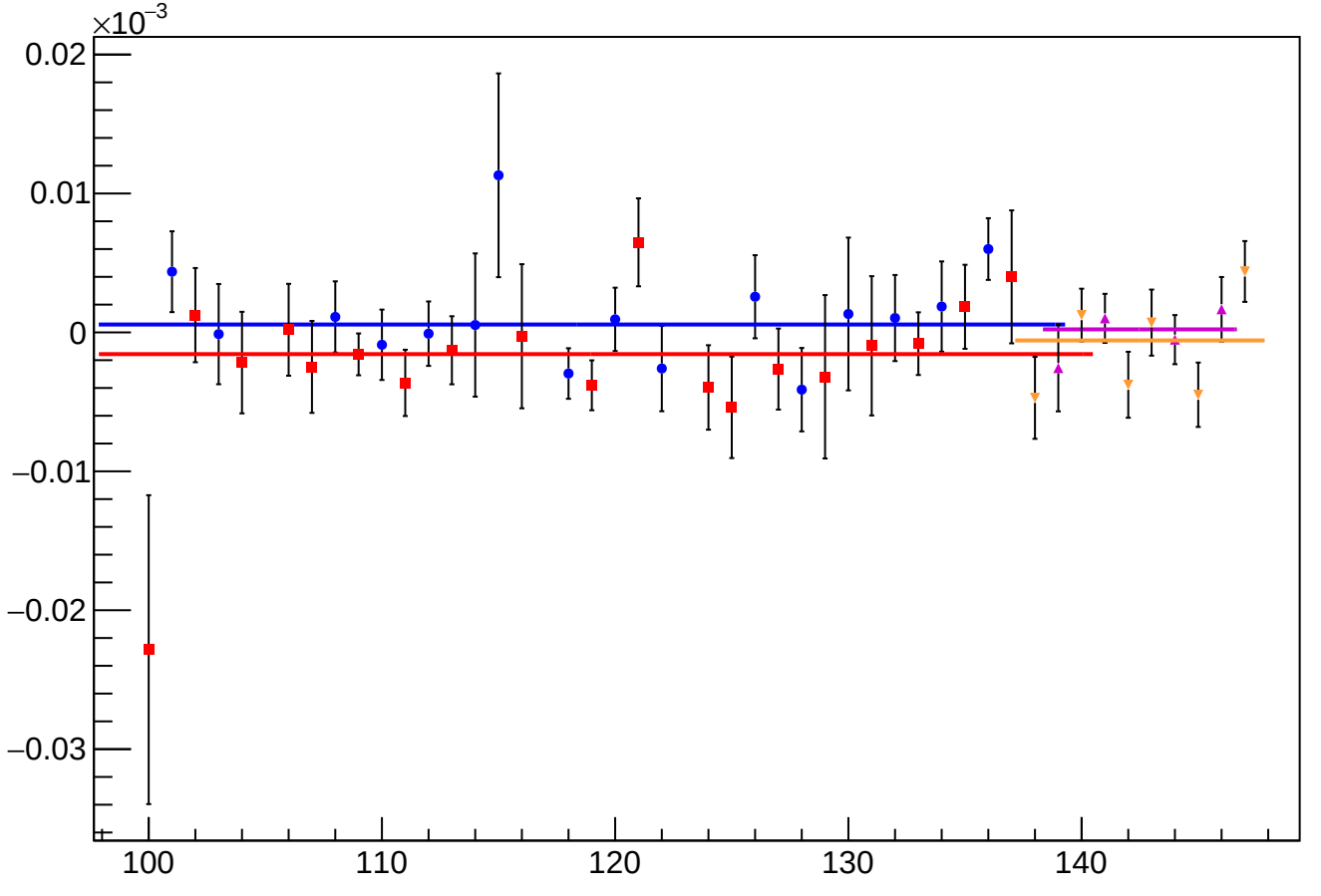
Left: 29.202+/-0.008 χ^2/NDF: 882155.0/9

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.503+/-0.005 χ^2/NDF:2161694.5/19

Out: 23.075+/-0.005 χ^2/NDF:2353537.0/24

All: 23.275+/-0.004 χ^2/NDF: 4518480.3/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

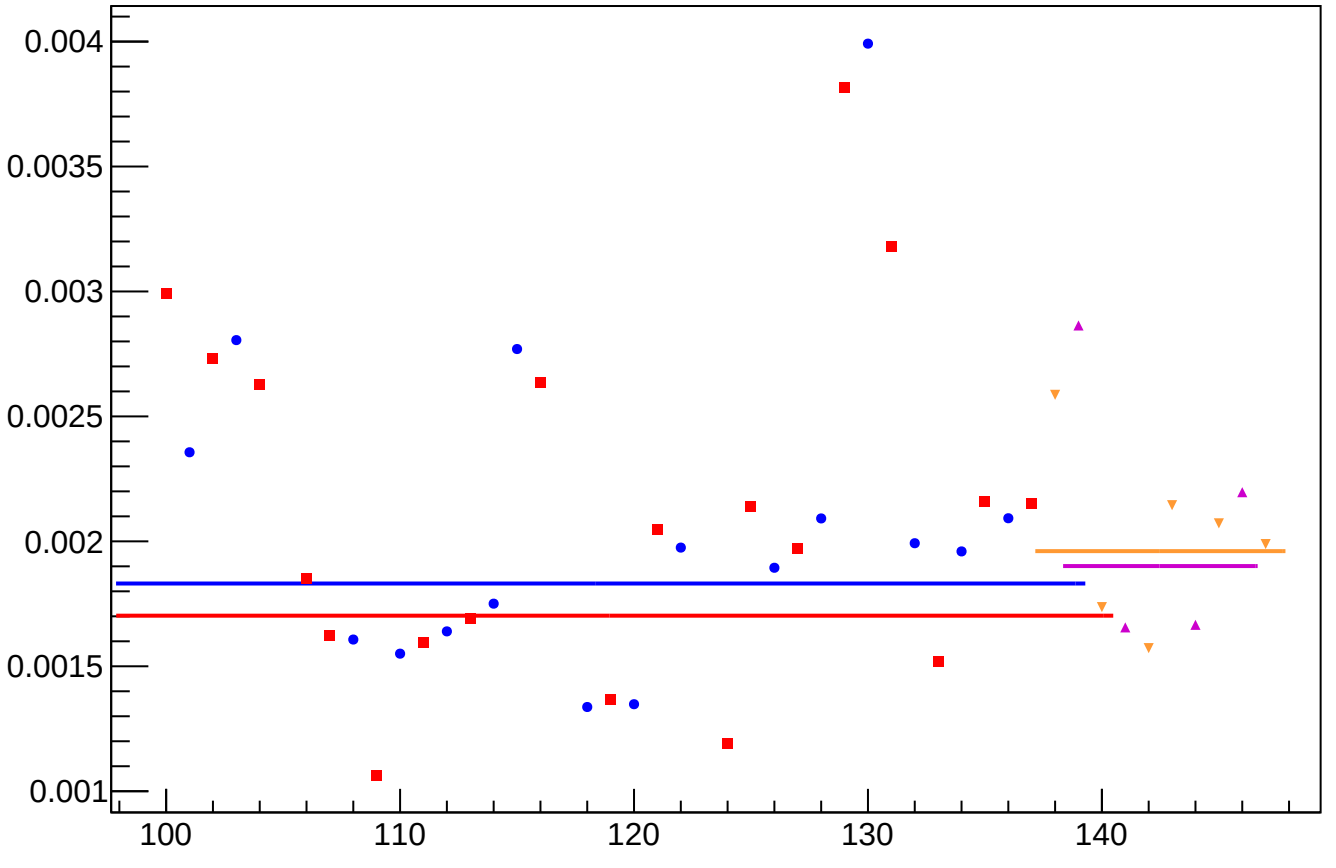
Left: -0.000+/-0.000 χ^2/NDF: 14.9/9

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:19.9/19

Out: -0.000+/-0.000 χ^2/NDF:32.0/24

All: -0.000+/-0.000 χ^2/NDF: 56.4/44



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:188152.3/5

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:297645.3/3

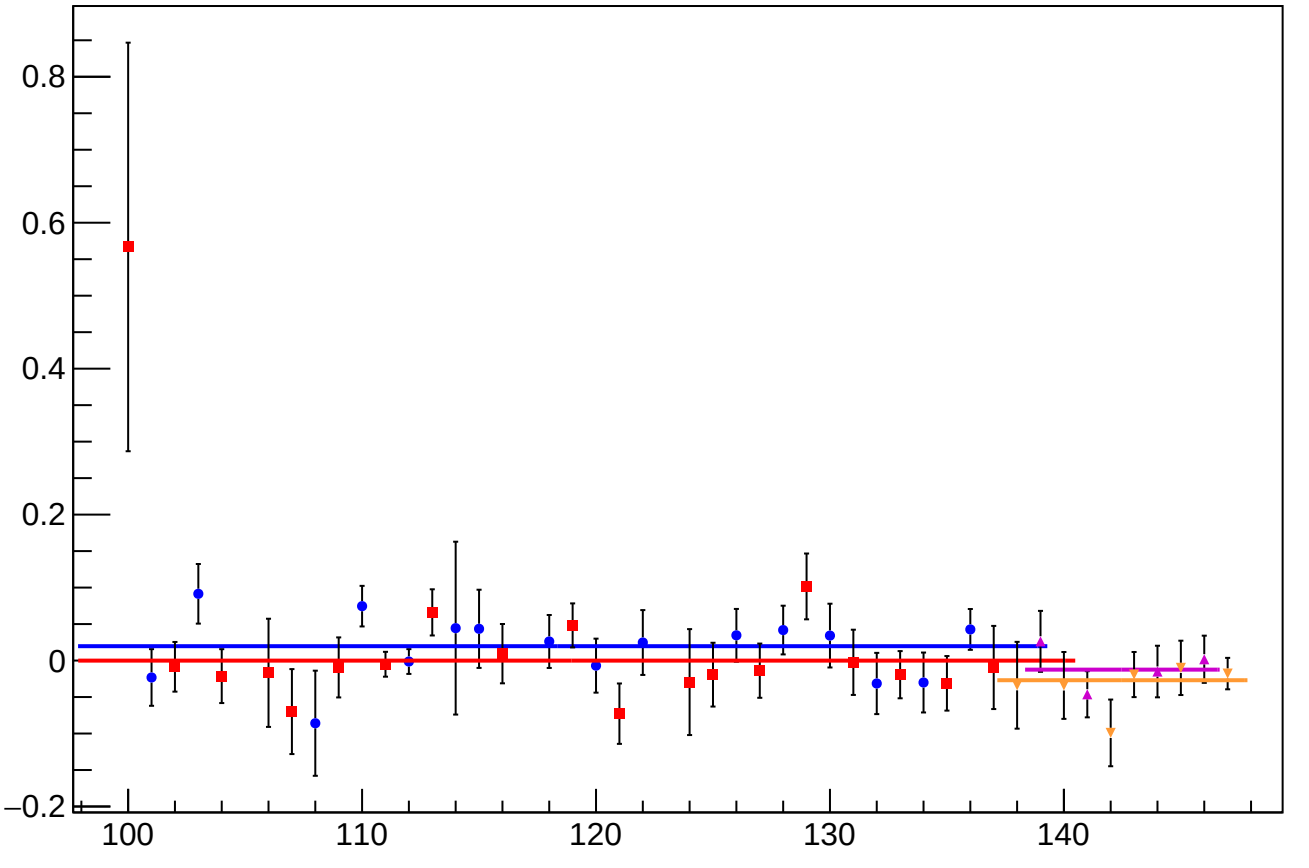
Left: 0.002+/-0.000 χ^2/NDF: 489455.3/9

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1204244.3/19

Out: 0.002+/-0.000 χ^2/NDF:1768056.0/24

All: 0.002+/-0.000 χ^2/NDF: 2985778.3/44



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.012+/-0.017 χ^2/NDF:2.2/3

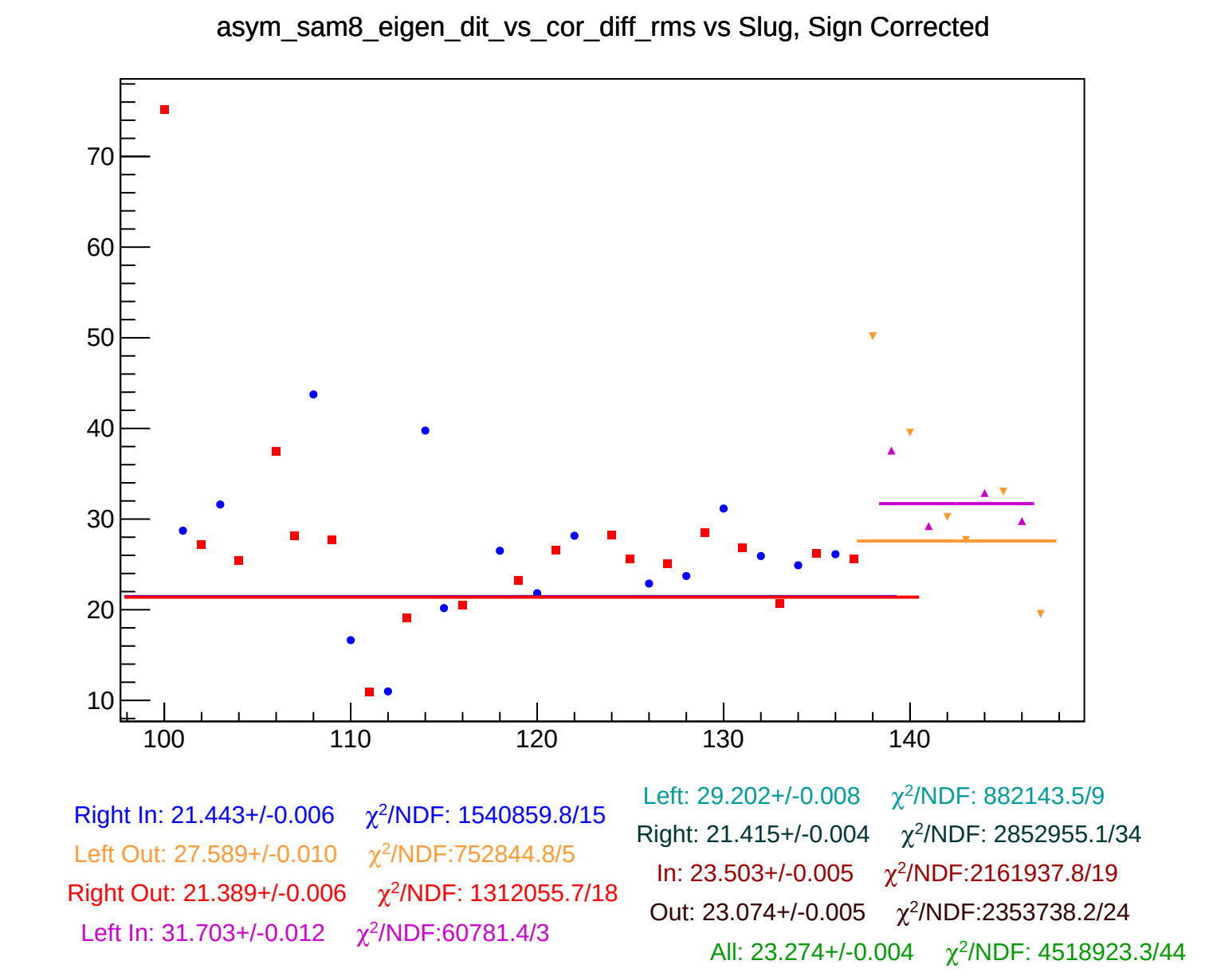
Left: -0.021+/-0.011 χ^2/NDF: 5.6/9

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.013+/-0.008 χ^2/NDF:22.0/19

Out: -0.007+/-0.007 χ^2/NDF:28.5/24

All: 0.002+/-0.005 χ^2/NDF: 54.3/44


asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
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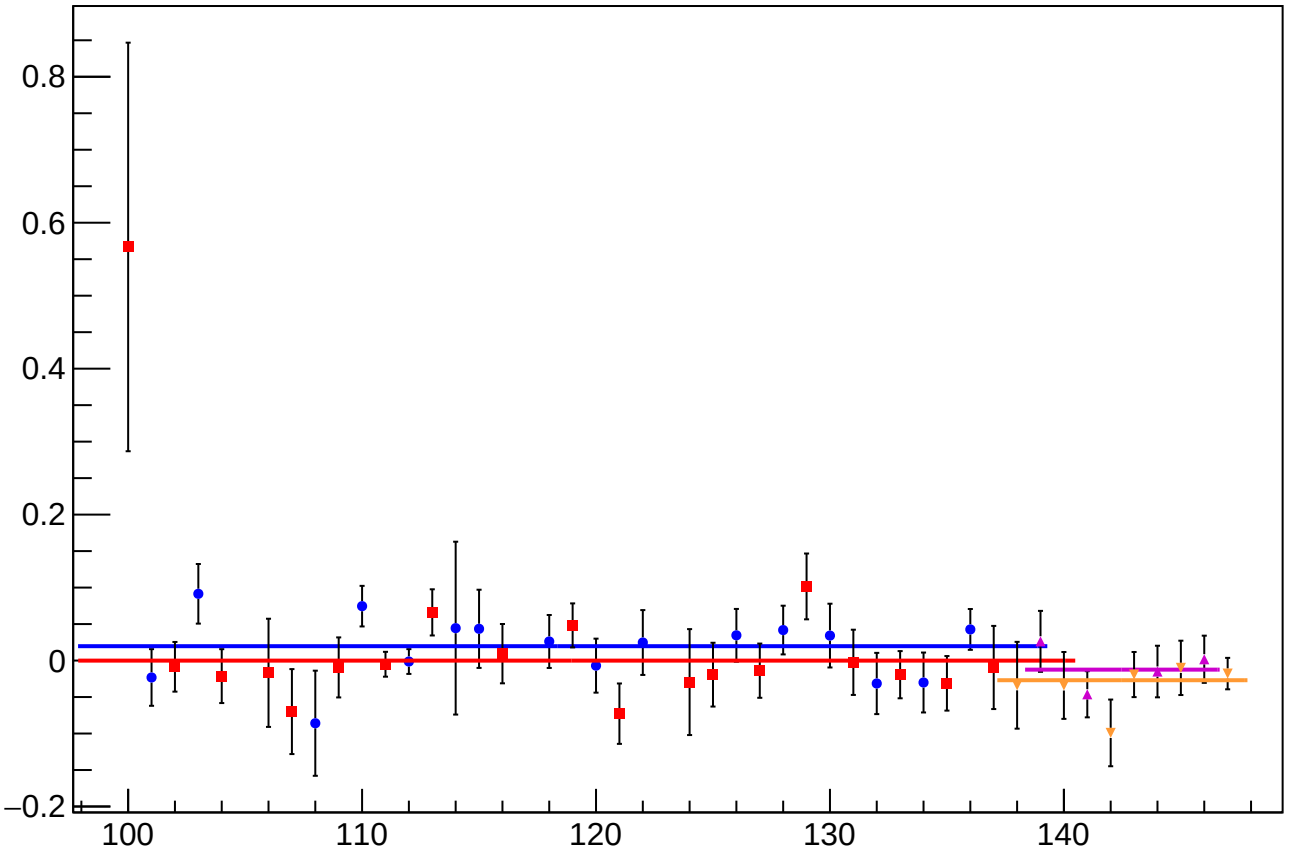
120
130
140
Right In: 21.443+/-0.006 χ²/NDF: 1540859.8/15
Left Out: 27.589+/-0.010 χ²/NDF:752844.8/5
Right Out: 21.389+/-0.006 χ²/NDF: 1312055.7/18
Left In: 31.703+/-0.012 χ²/NDF:60781.4/3
Left: 29.202+/-0.008 χ²/NDF: 882143.5/9
Right: 21.415+/-0.004 χ²/NDF: 2852955.1/34
In: 23.503+/-0.005 χ²/NDF:2161937.8/19
Out: 23.074+/-0.005 χ²/NDF:2353738.2/24
All: 23.274+/-0.004 χ²/NDF: 4518923.3/44



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.027+/-0.014 χ^2/NDF:3.0/5

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.012+/-0.017 χ^2/NDF:2.2/3

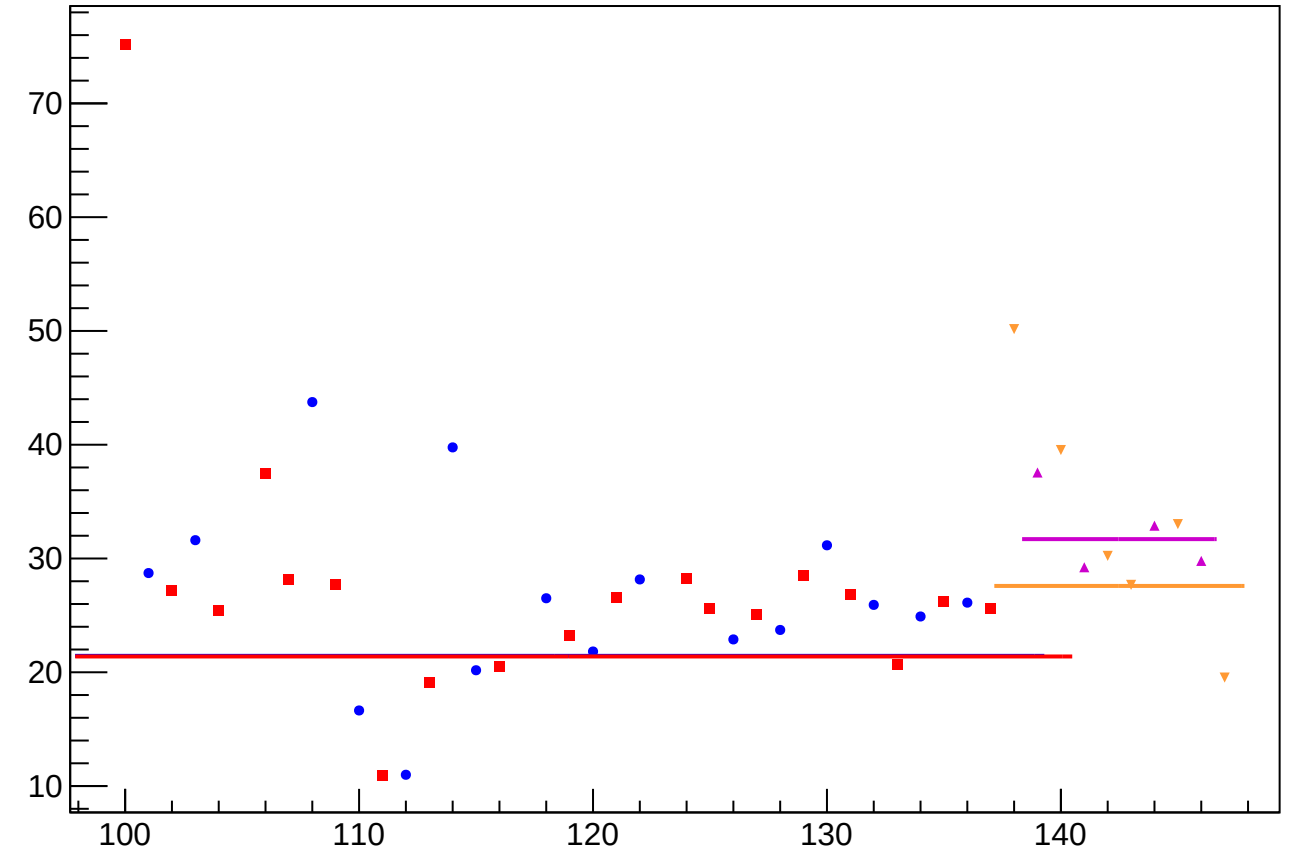
Left: -0.021+/-0.011 χ^2/NDF: 5.6/9

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.013+/-0.008 χ^2/NDF:22.0/19

Out: -0.007+/-0.007 χ^2/NDF:28.5/24

All: 0.002+/-0.005 χ^2/NDF: 54.3/44



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 27.589+/-0.010 χ^2/NDF:752844.8/5

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 31.703+/-0.012 χ^2/NDF:60781.4/3

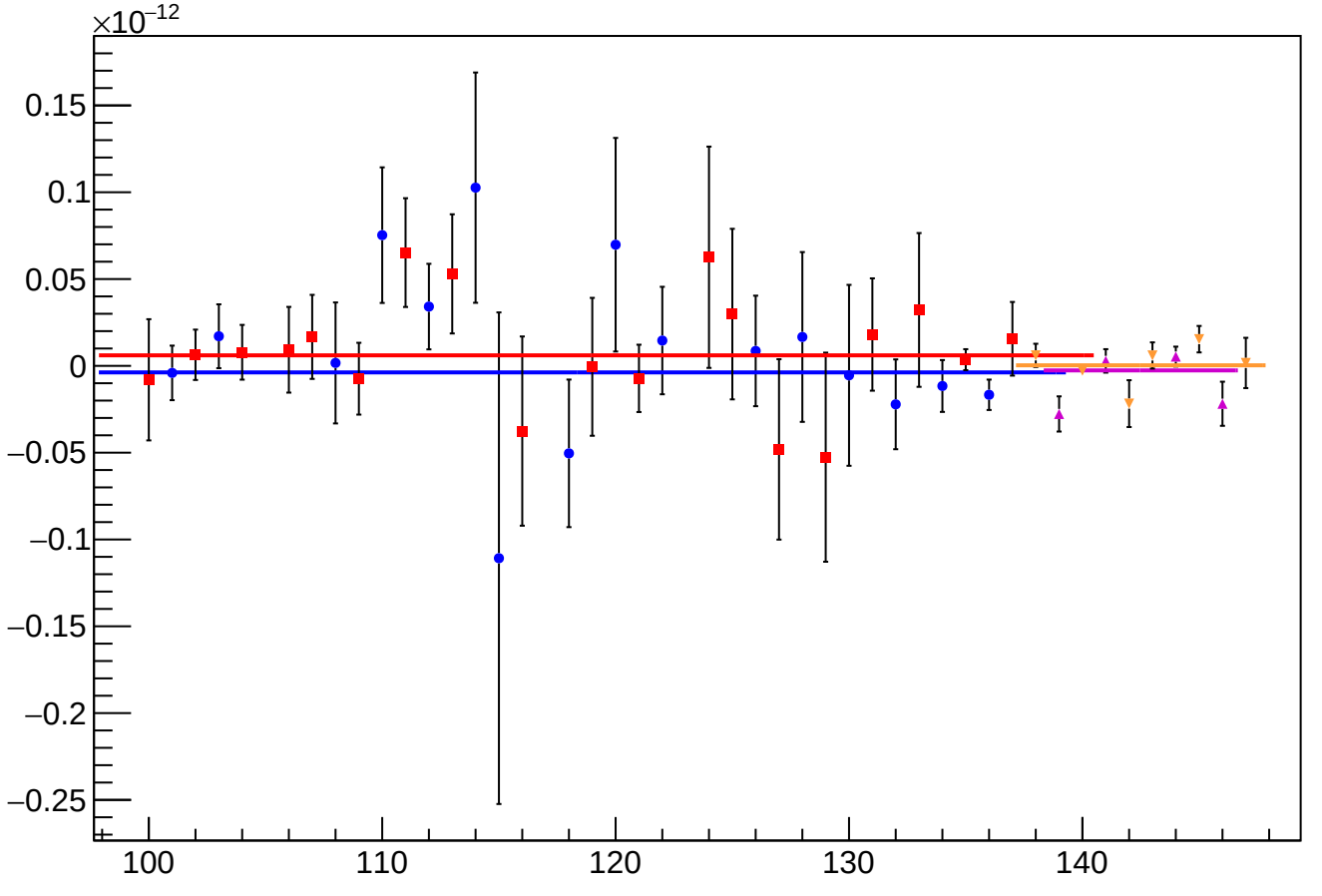
Left: 29.202+/-0.008 χ^2/NDF: 882143.5/9

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.503+/-0.005 χ^2/NDF:2161937.8/19

Out: 23.074+/-0.005 χ^2/NDF:2353738.2/24

All: 23.274+/-0.004 χ^2/NDF: 4518923.3/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/3

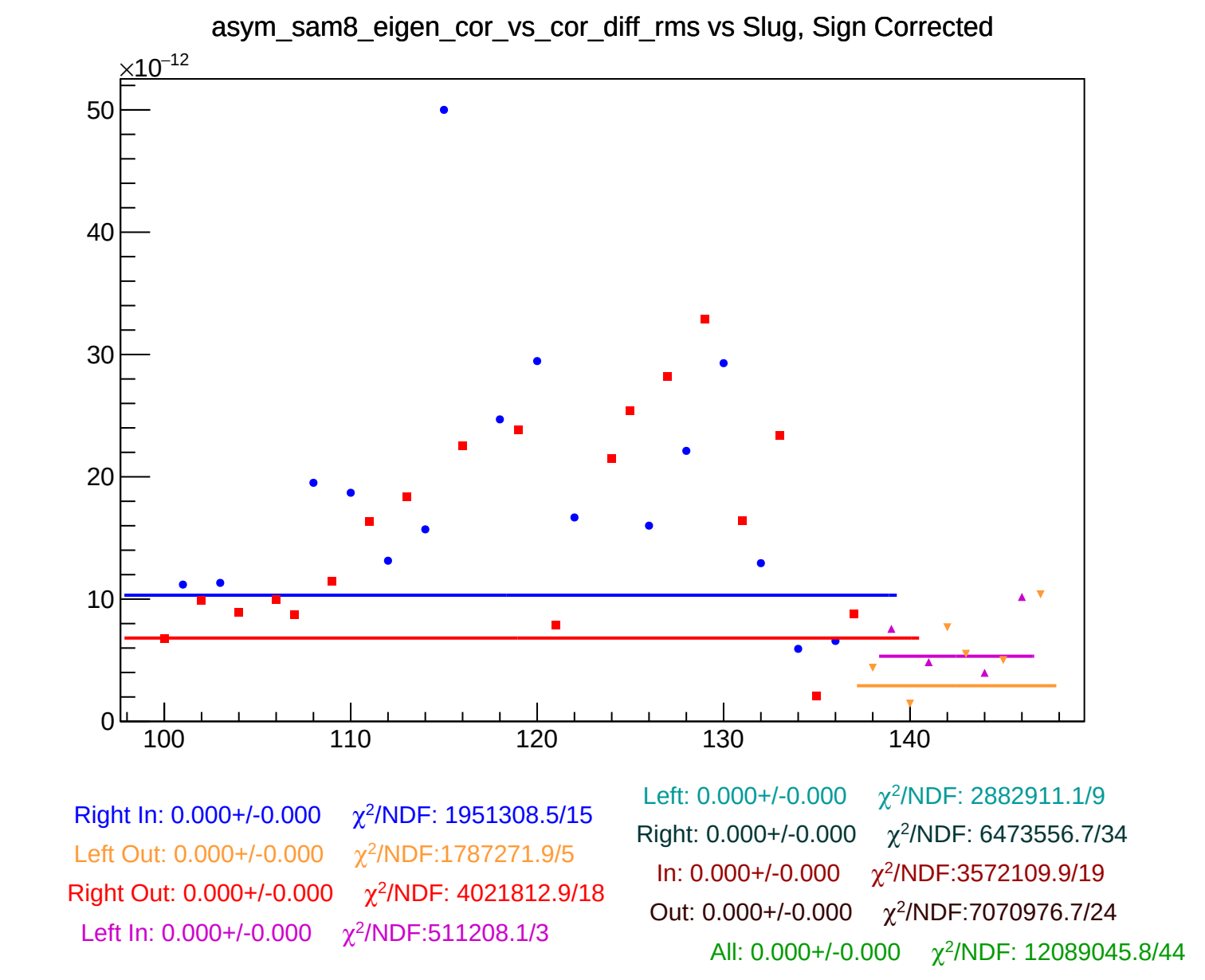
Left: -0.000+/-0.000 χ^2/NDF: 20.5/9

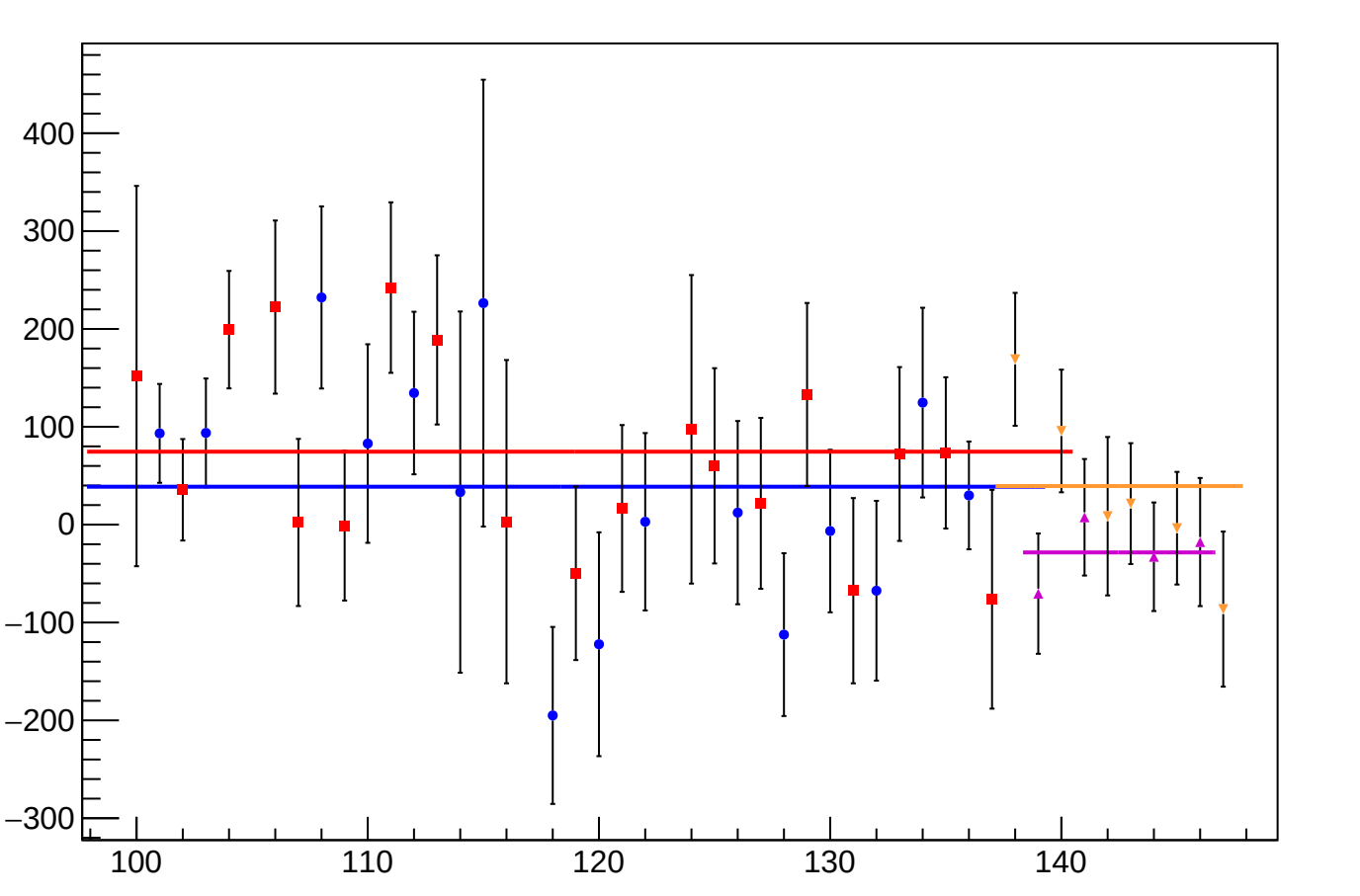
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:28.2/19

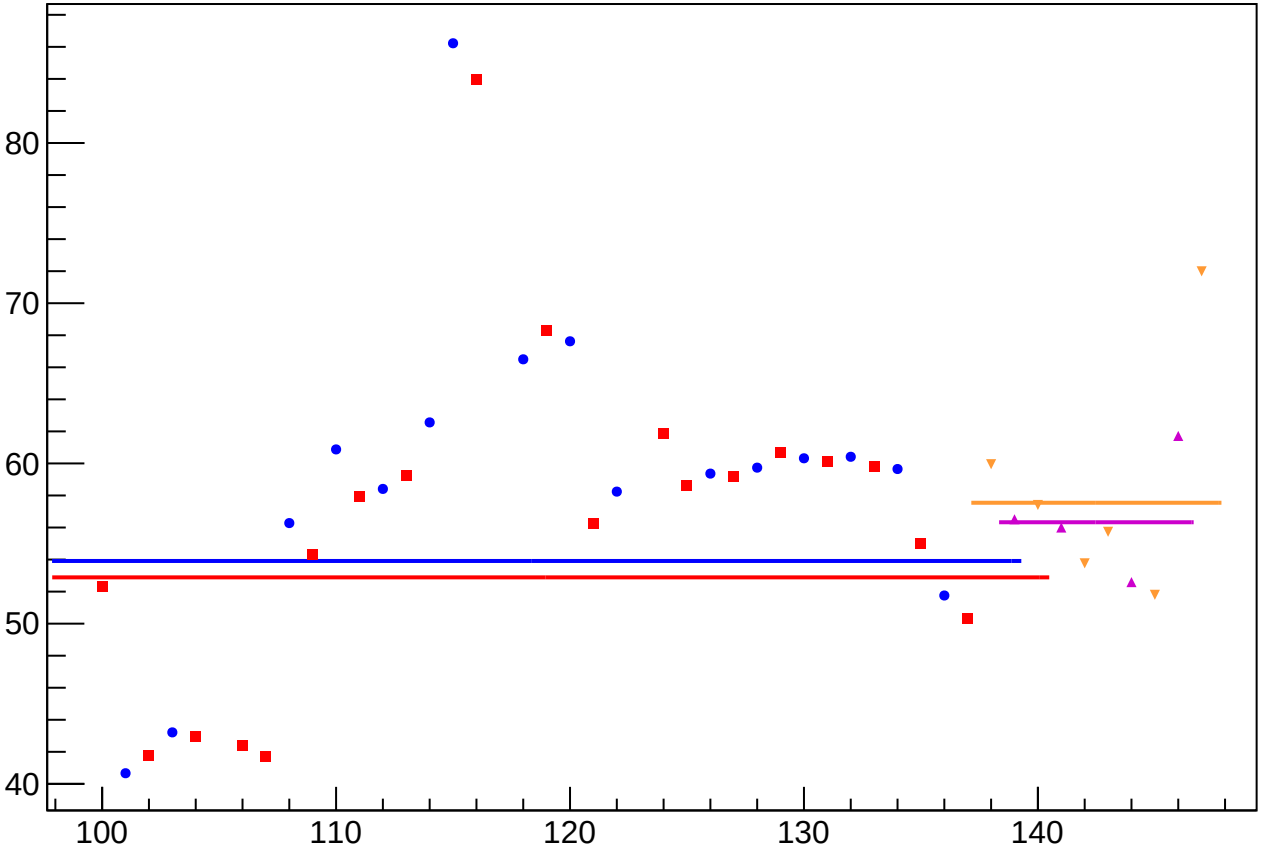
Out: 0.000+/-0.000 χ^2/NDF:21.7/24

All: 0.000+/-0.000 χ^2/NDF: 51.4/44


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1787271.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:511208.1/3
Left: 0.000+/-0.000 χ²/NDF: 2882911.1/9
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3572109.9/19
Out: 0.000+/-0.000 χ²/NDF:7070976.7/24
All: 0.000+/-0.000 χ²/NDF: 12089045.8/44


reg_asym_sam_15_avg_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
Right In: 38.782+/-20.413 χ²/NDF: 23.3/15
Left Out: 39.436+/-27.240 χ²/NDF:7.8/5
Right Out: 74.578+/-19.802 χ²/NDF: 22.5/18
Left In: -28.372+/-30.086 χ²/NDF:0.9/3
Left: 8.890+/-20.193 χ²/NDF: 11.4/9
Right: 57.224+/-14.213 χ²/NDF: 47.3/34
In: 17.613+/-16.892 χ²/NDF:27.6/19
Out: 62.429+/-16.017 χ²/NDF:31.3/24
All: 41.212+/-11.623 χ²/NDF: 62.6/44

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 57.546+/-0.019 χ^2/NDF:95002.0/5

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

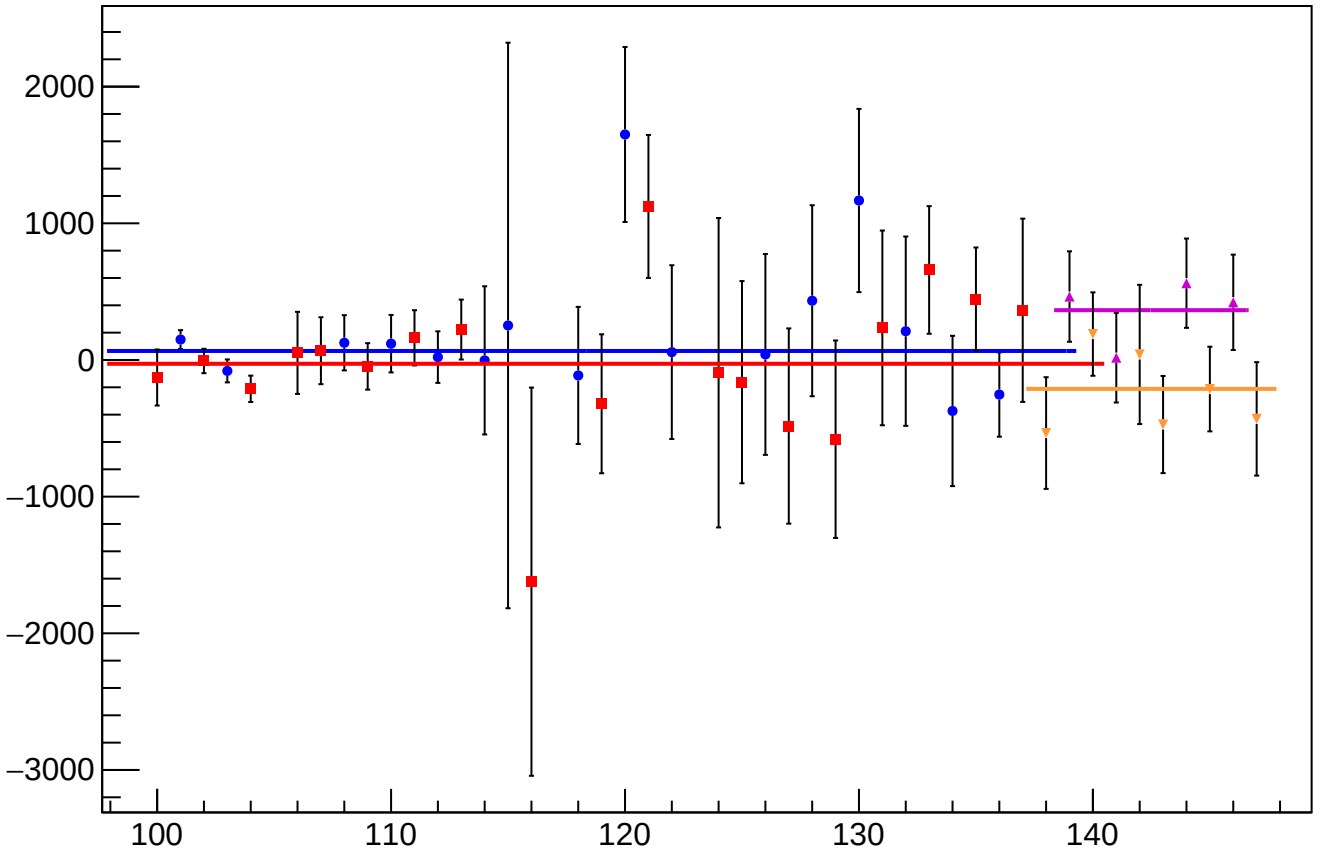
Left: 56.998+/-0.014 χ^2/NDF: 119486.3/9

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 54.674+/-0.012 χ^2/NDF:424781.8/19

Out: 54.499+/-0.011 χ^2/NDF:558476.4/24

All: 54.582+/-0.008 χ^2/NDF: 983371.2/44



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -211.559+/-149.526 χ^2/NDF:3.4/5

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 364.542+/-166.643 χ^2/NDF:1.6/3

Left: 45.394+/-111.292 χ^2/NDF: 11.6/9

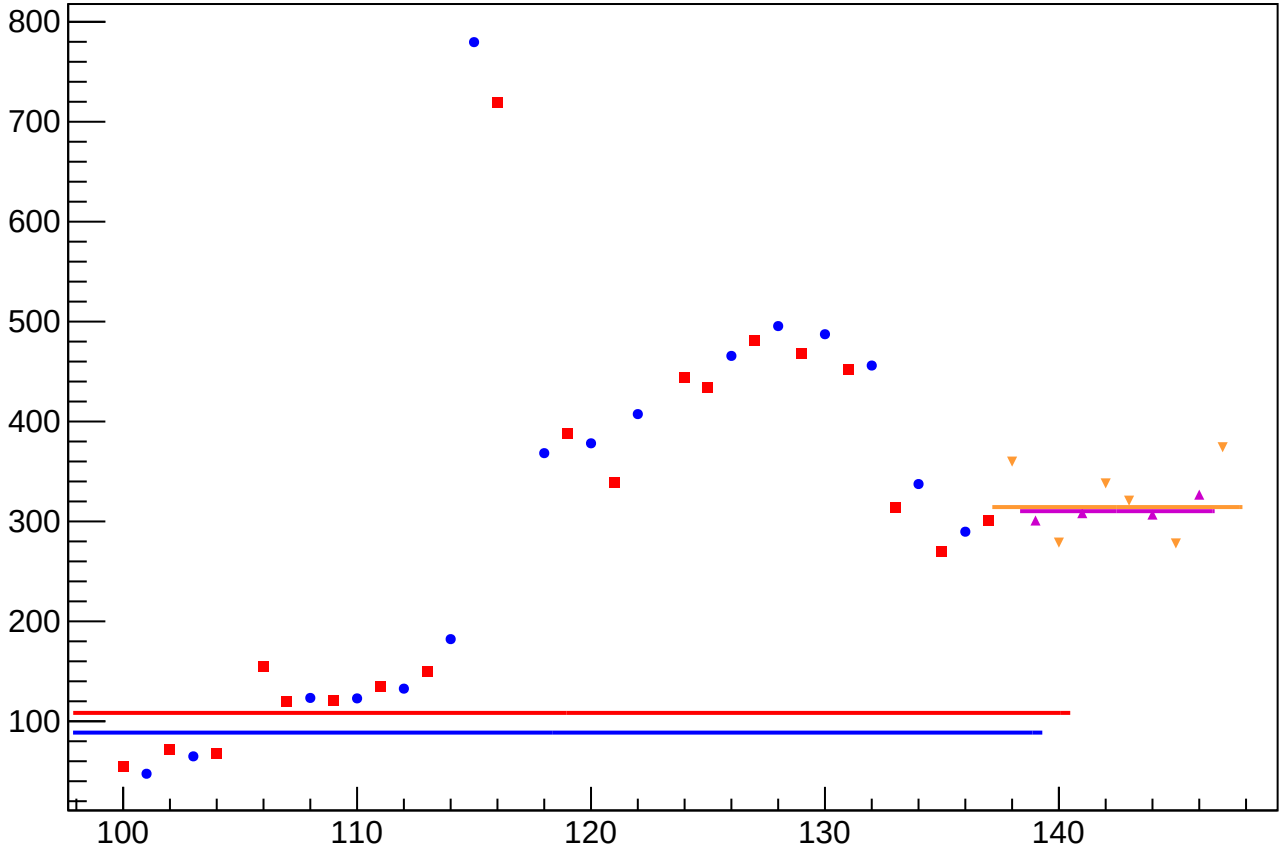
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 87.411+/-44.770 χ^2/NDF:20.3/19

Out: -46.520+/-47.667 χ^2/NDF:22.8/24

All: 24.640+/-32.633 χ^2/NDF: 47.2/44

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: 314.372+/-0.106 χ^2/NDF:126165.9/5

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 310.275+/-0.118 χ^2/NDF:6372.5/3

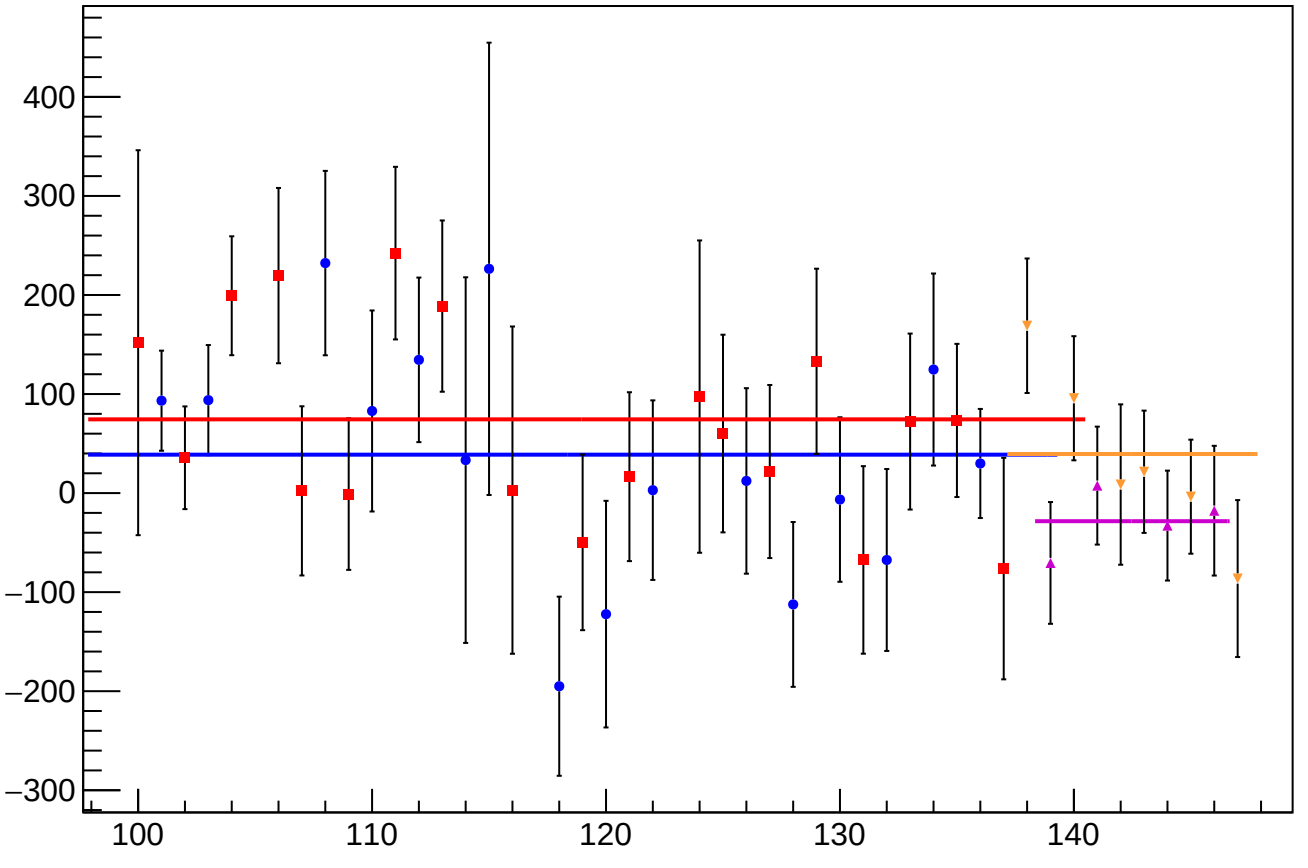
Left: 312.545+/-0.079 χ^2/NDF: 133207.9/9

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 104.653+/-0.032 χ^2/NDF:9936361.7/19

Out: 129.319+/-0.034 χ^2/NDF:8898818.3/24

All: 116.214+/-0.023 χ^2/NDF: 19119708.2/44



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 39.442+/-27.240 χ^2/NDF:7.8/5

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -28.369+/-30.086 χ^2/NDF:0.9/3

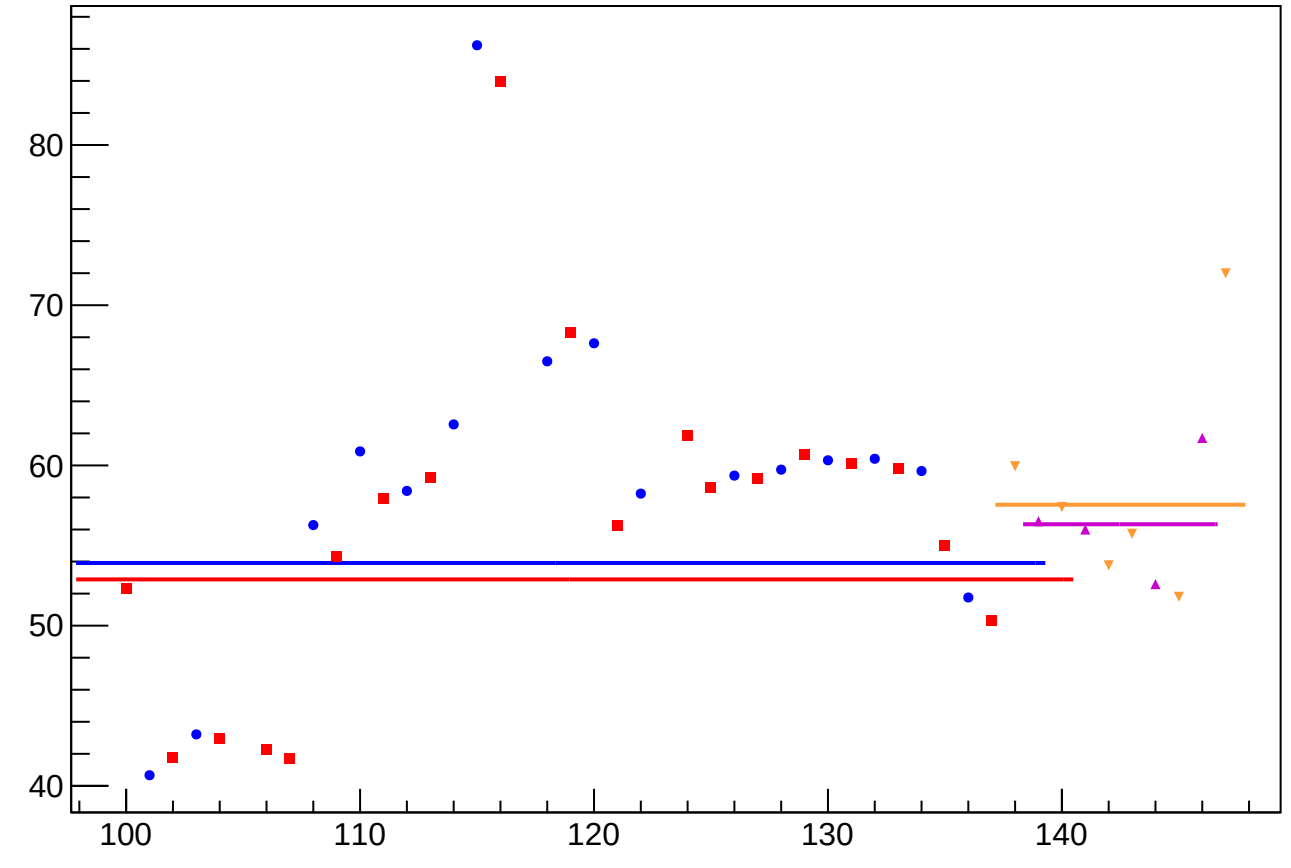
Left: 8.895+/-20.193 χ^2/NDF: 11.4/9

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 17.622+/-16.892 χ^2/NDF:27.6/19

Out: 62.341+/-16.018 χ^2/NDF:31.2/24

All: 41.169+/-11.623 χ^2/NDF: 62.5/44



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 57.546+/-0.019 χ^2/NDF:95002.0/5

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

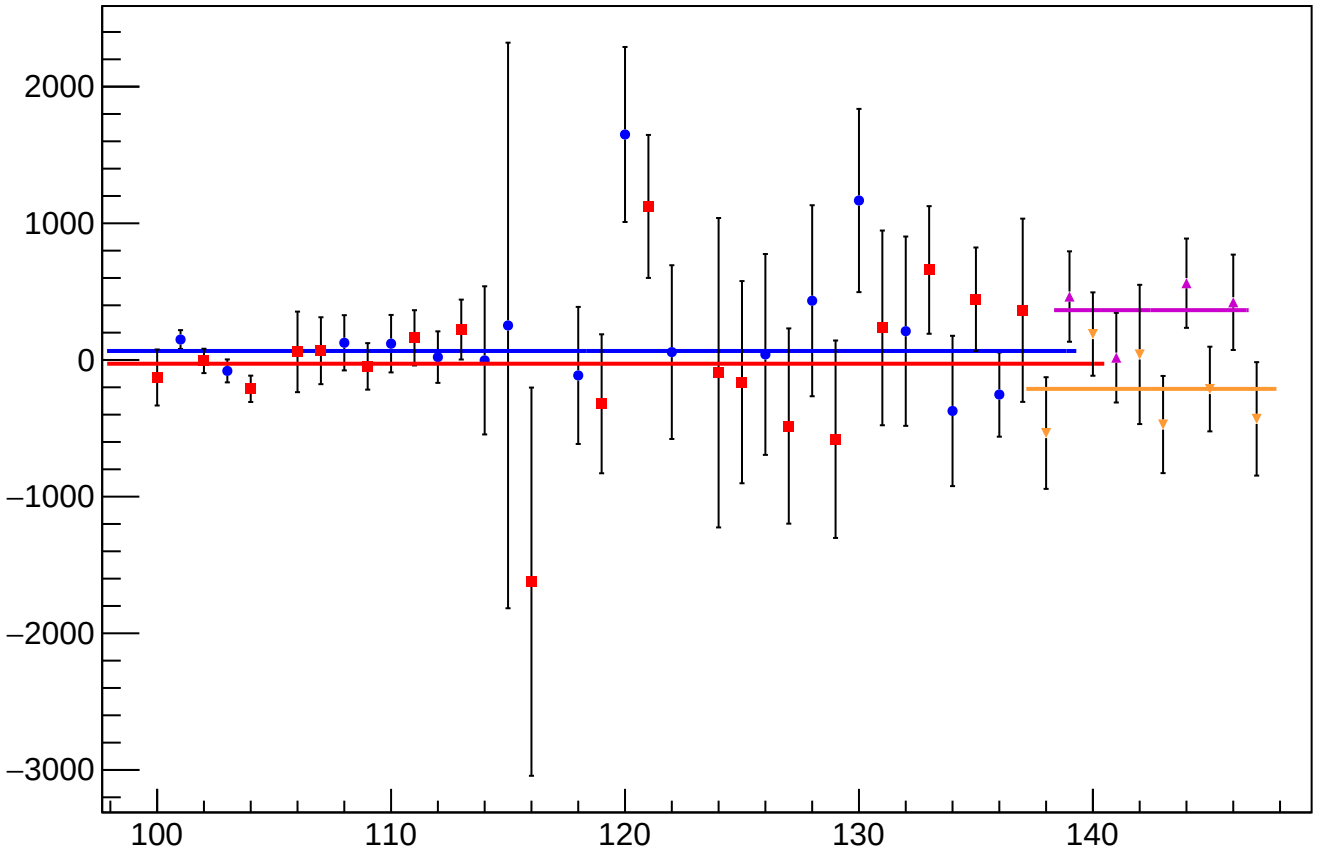
Left: 56.998+/-0.014 χ^2/NDF: 119486.3/9

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.674+/-0.012 χ^2/NDF:424781.2/19

Out: 54.498+/-0.011 χ^2/NDF:558818.9/24

All: 54.581+/-0.008 χ^2/NDF: 983714.8/44



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -211.555+/-149.526 χ^2/NDF:3.4/5

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 364.542+/-166.643 χ^2/NDF:1.6/3

Left: 45.396+/-111.292 χ^2/NDF: 11.6/9

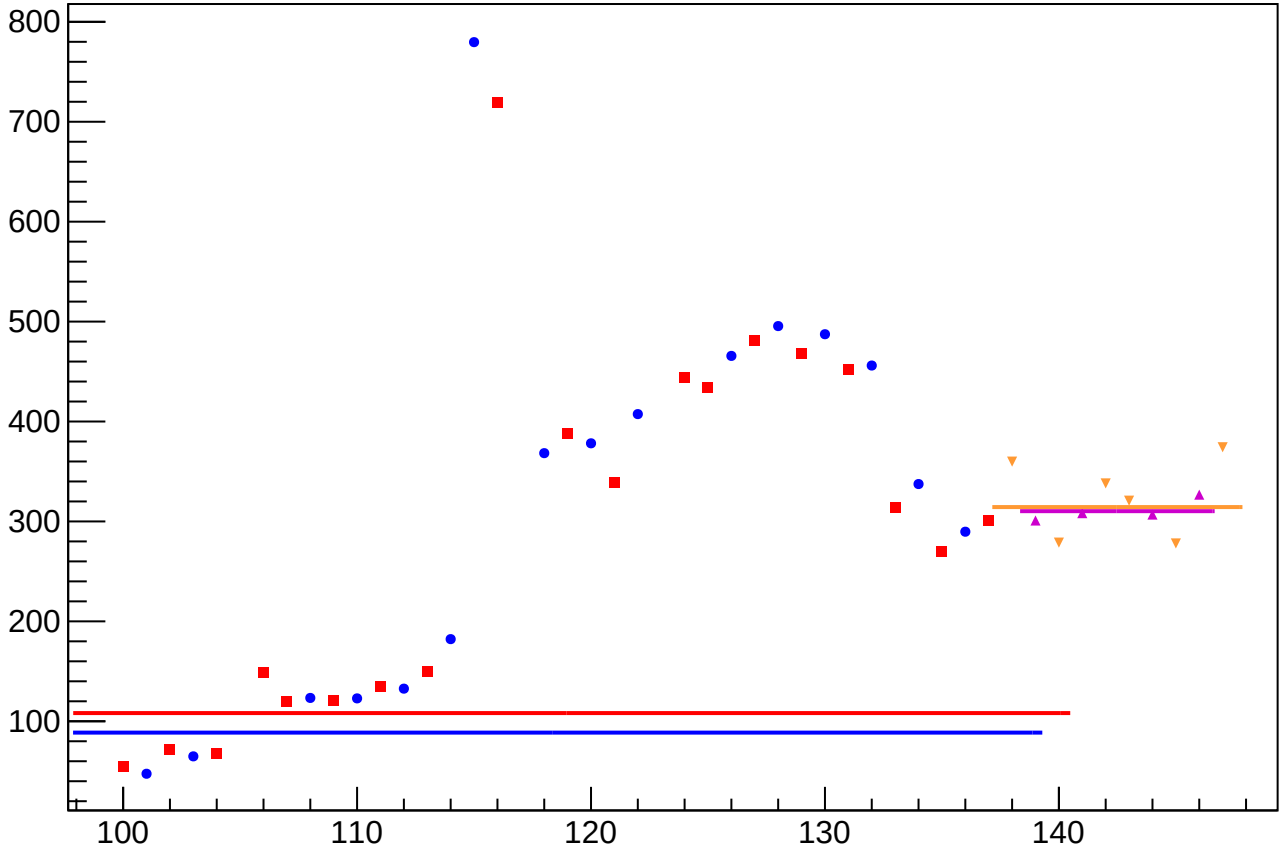
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 87.414+/-44.769 χ^2/NDF:20.3/19

Out: -46.092+/-47.631 χ^2/NDF:22.8/24

All: 24.793+/-32.621 χ^2/NDF: 47.2/44

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: 314.371+/-0.106 χ^2/NDF:126166.4/5

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 310.275+/-0.118 χ^2/NDF:6372.6/3

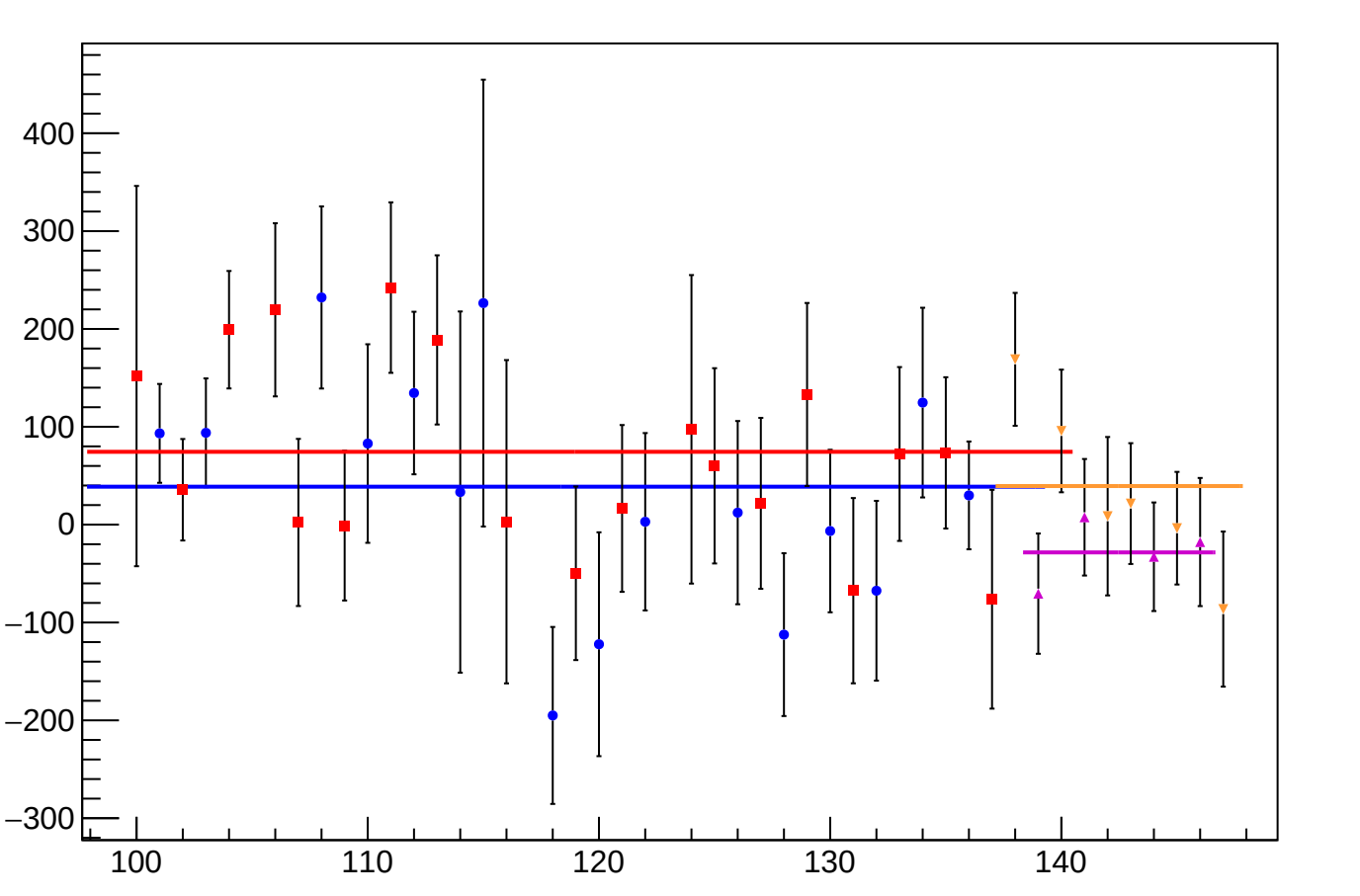
Left: 312.544+/-0.079 χ^2/NDF: 133208.5/9

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 104.650+/-0.032 χ^2/NDF:9936526.1/19

Out: 129.127+/-0.034 χ^2/NDF:8897344.4/24

All: 116.131+/-0.023 χ^2/NDF: 19114278.2/44



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 39.442+/-27.240 χ^2/NDF:7.8/5

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -28.369+/-30.086 χ^2/NDF:0.9/3

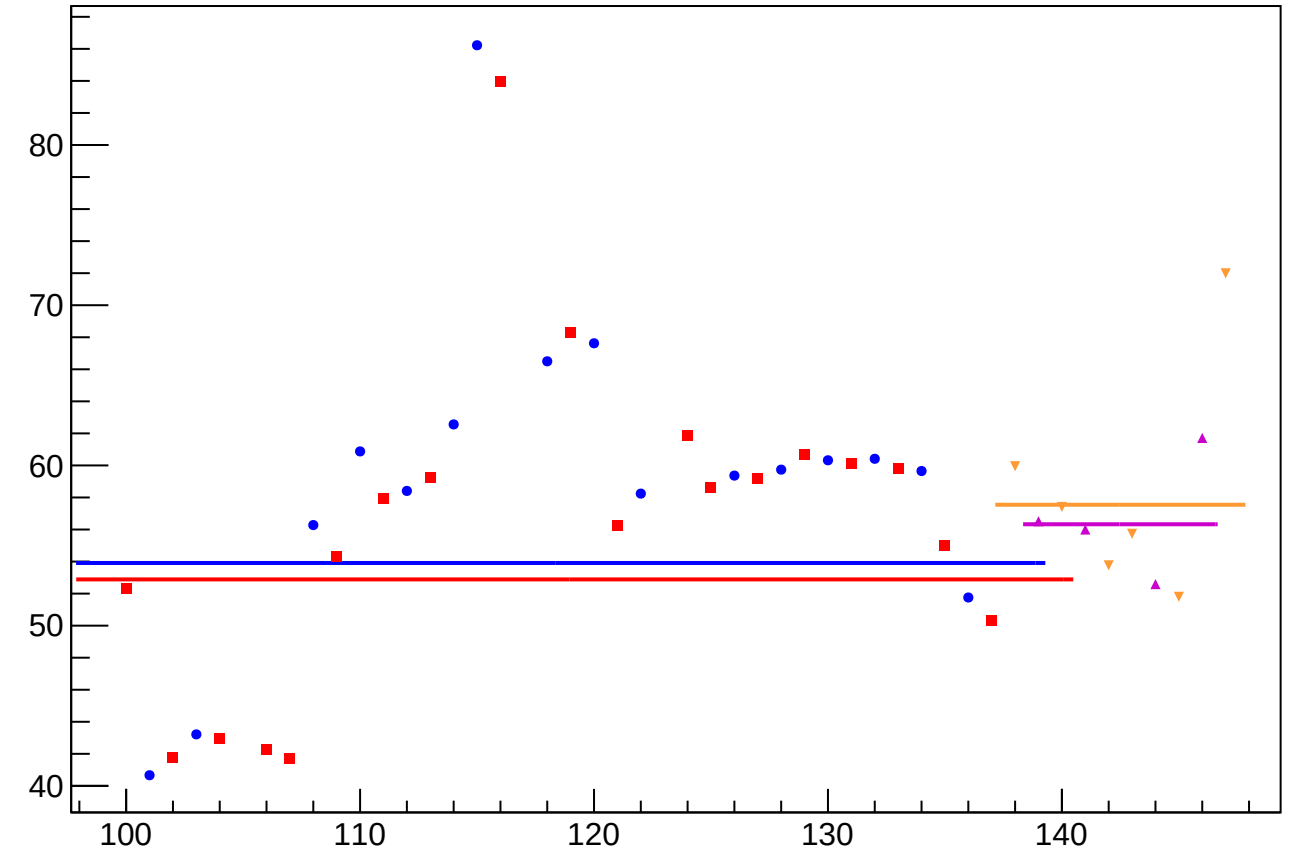
Left: 8.895+/-20.193 χ^2/NDF: 11.4/9

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 17.622+/-16.892 χ^2/NDF:27.6/19

Out: 62.341+/-16.018 χ^2/NDF:31.2/24

All: 41.169+/-11.623 χ^2/NDF: 62.5/44



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 57.546+/-0.019 χ^2/NDF:95002.0/5

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 56.329+/-0.021 χ^2/NDF:22685.1/3

Left: 56.998+/-0.014 χ^2/NDF: 119486.3/9

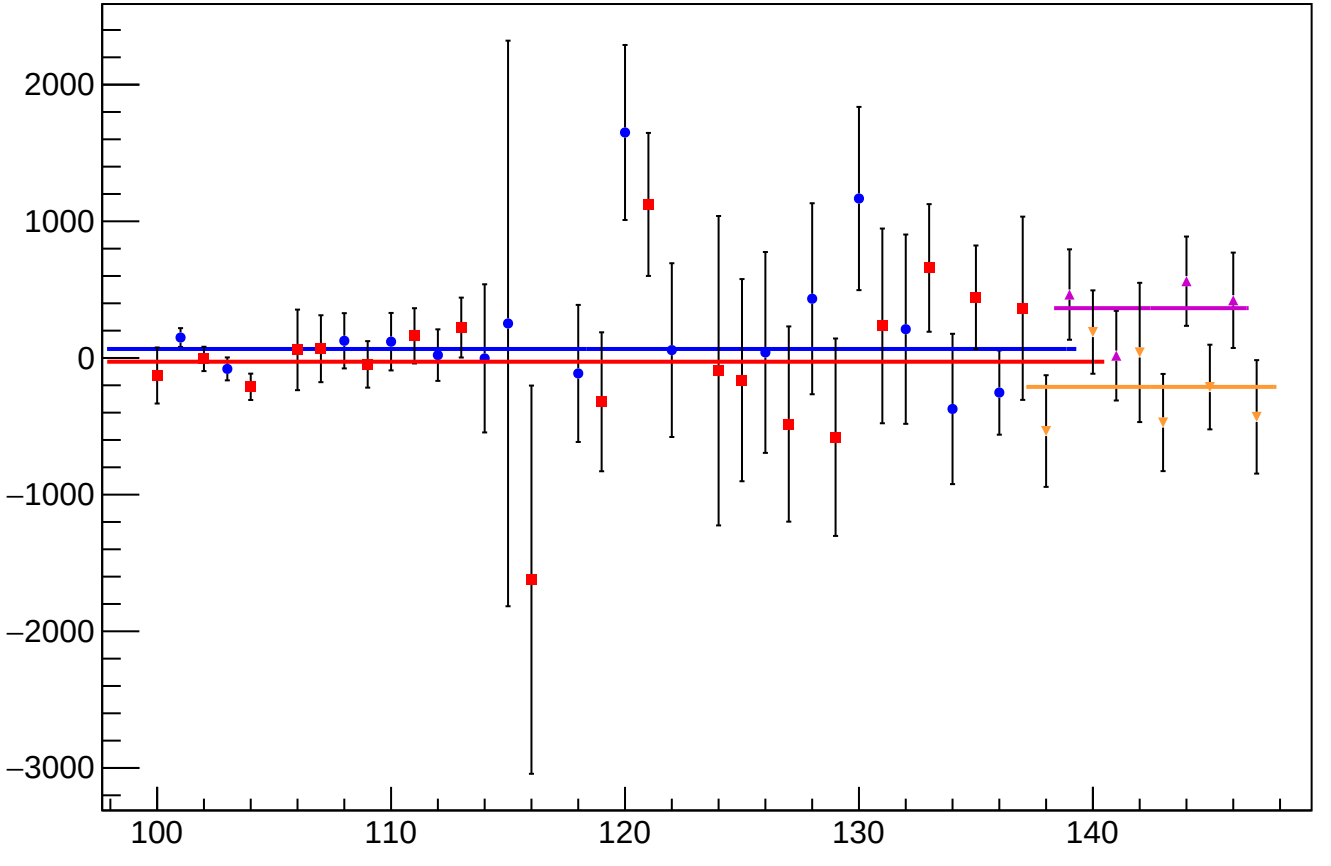
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 54.674+/-0.012 χ^2/NDF:424781.2/19

Out: 54.498+/-0.011 χ^2/NDF:558818.9/24

All: 54.581+/-0.008 χ^2/NDF: 983714.8/44

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -211.555+/-149.526 χ^2/NDF:3.4/5

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 364.542+/-166.643 χ^2/NDF:1.6/3

Left: 45.396+/-111.292 χ^2/NDF: 11.6/9

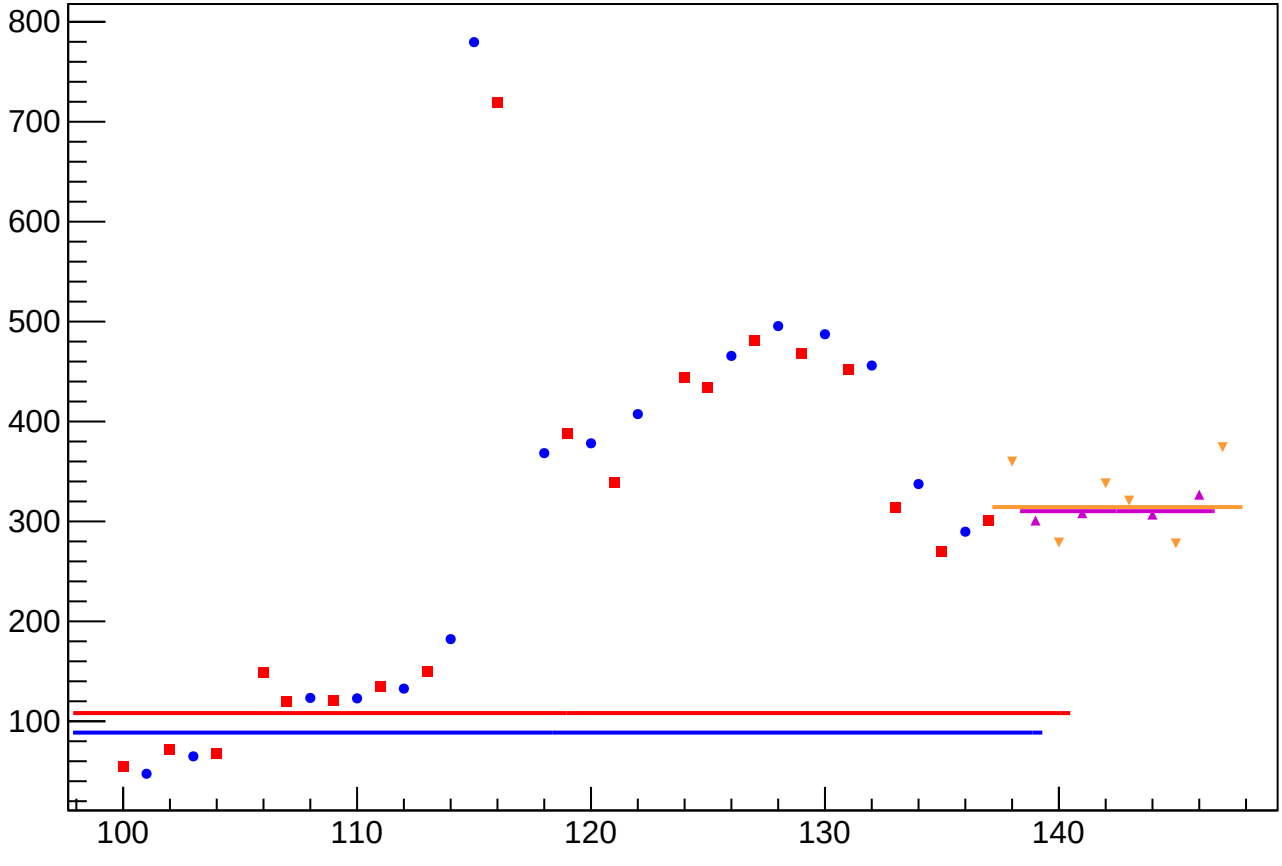
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 87.414+/-44.769 χ^2/NDF:20.3/19

Out: -46.092+/-47.631 χ^2/NDF:22.8/24

All: 24.793+/-32.621 χ^2/NDF: 47.2/44

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: 314.371+/-0.106 χ^2/NDF:126166.4/5

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 310.275+/-0.118 χ^2/NDF:6372.6/3

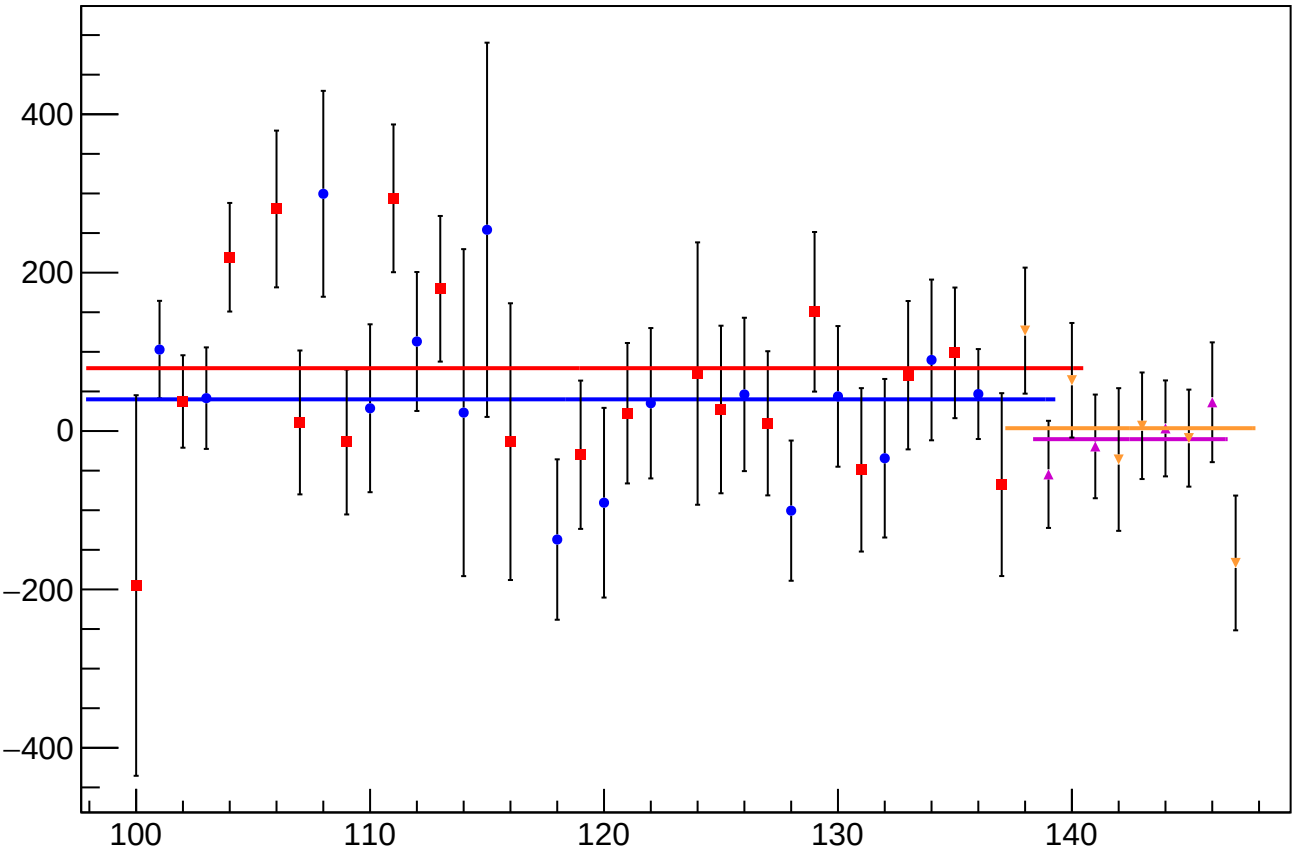
Left: 312.544+/-0.079 χ^2/NDF: 133208.5/9

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 104.650+/-0.032 χ^2/NDF:9936526.1/19

Out: 129.127+/-0.034 χ^2/NDF:8897344.4/24

All: 116.131+/-0.023 χ^2/NDF: 19114278.2/44



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.584+/-30.182 χ^2/NDF:7.3/5

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -10.258+/-33.348 χ^2/NDF:0.9/3

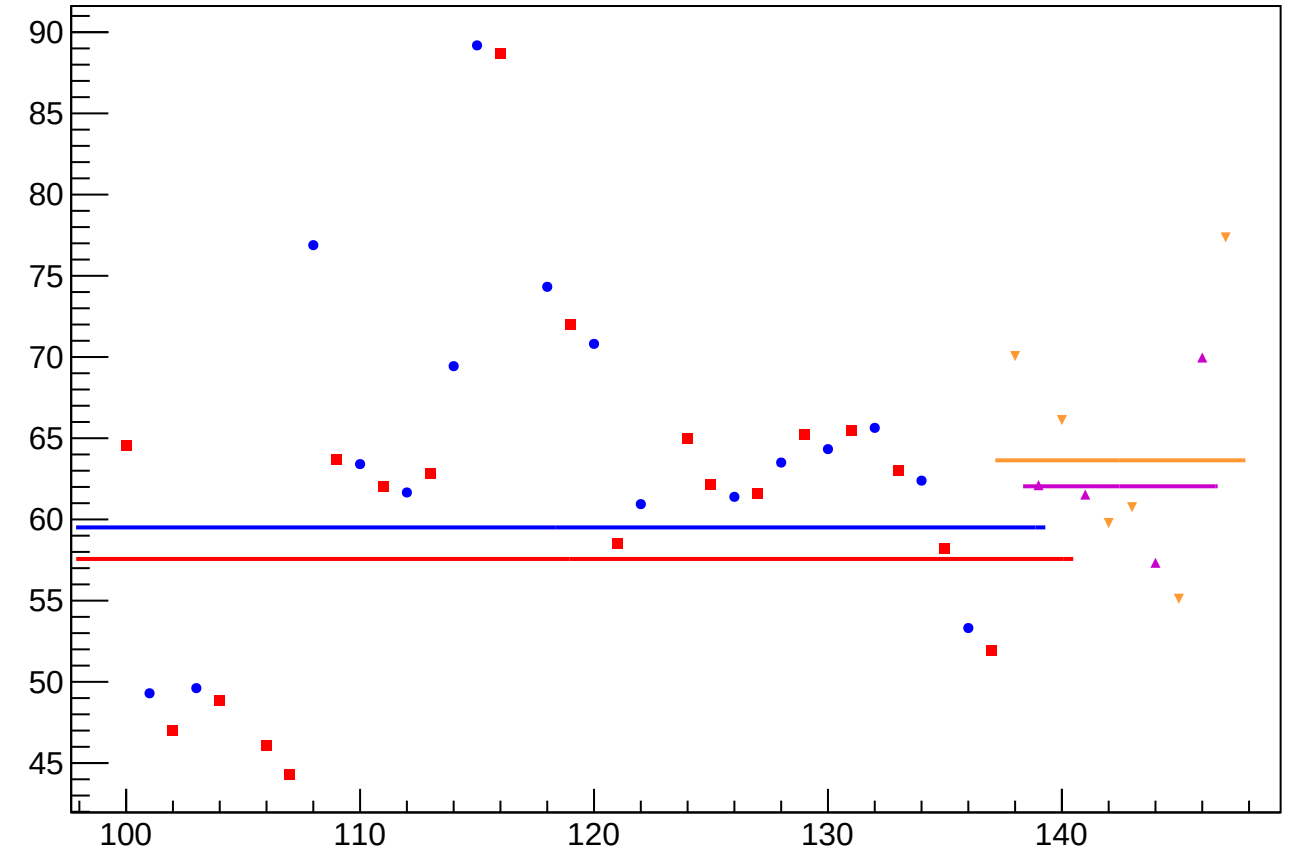
Left: -2.649+/-22.378 χ^2/NDF: 8.3/9

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 24.285+/-18.660 χ^2/NDF:16.6/19

Out: 53.743+/-17.553 χ^2/NDF:36.3/24

All: 39.914+/-12.785 χ^2/NDF: 54.2/44



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 63.639+/-0.021 χ^2/NDF:113432.4/5

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 62.041+/-0.024 χ^2/NDF:34192.0/3

Left: 62.919+/-0.016 χ^2/NDF: 150148.4/9

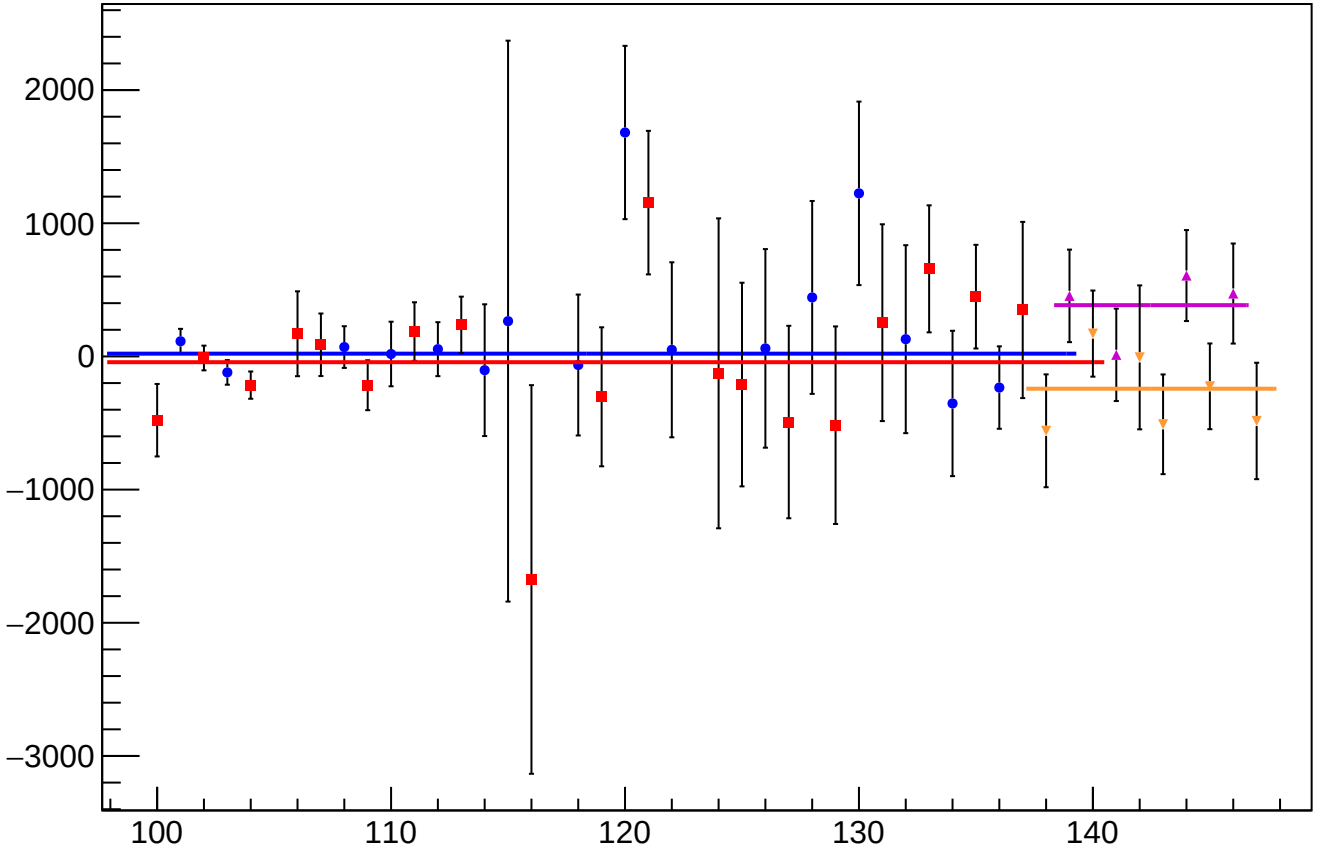
Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 60.302+/-0.013 χ^2/NDF:325305.3/19

Out: 59.620+/-0.012 χ^2/NDF:514377.2/24

All: 59.940+/-0.009 χ^2/NDF: 841096.2/44

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.310+/-156.977 χ^2/NDF:3.2/5

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 385.023+/-176.109 χ^2/NDF:1.7/3

Left: 35.442+/-117.182 χ^2/NDF: 11.9/9

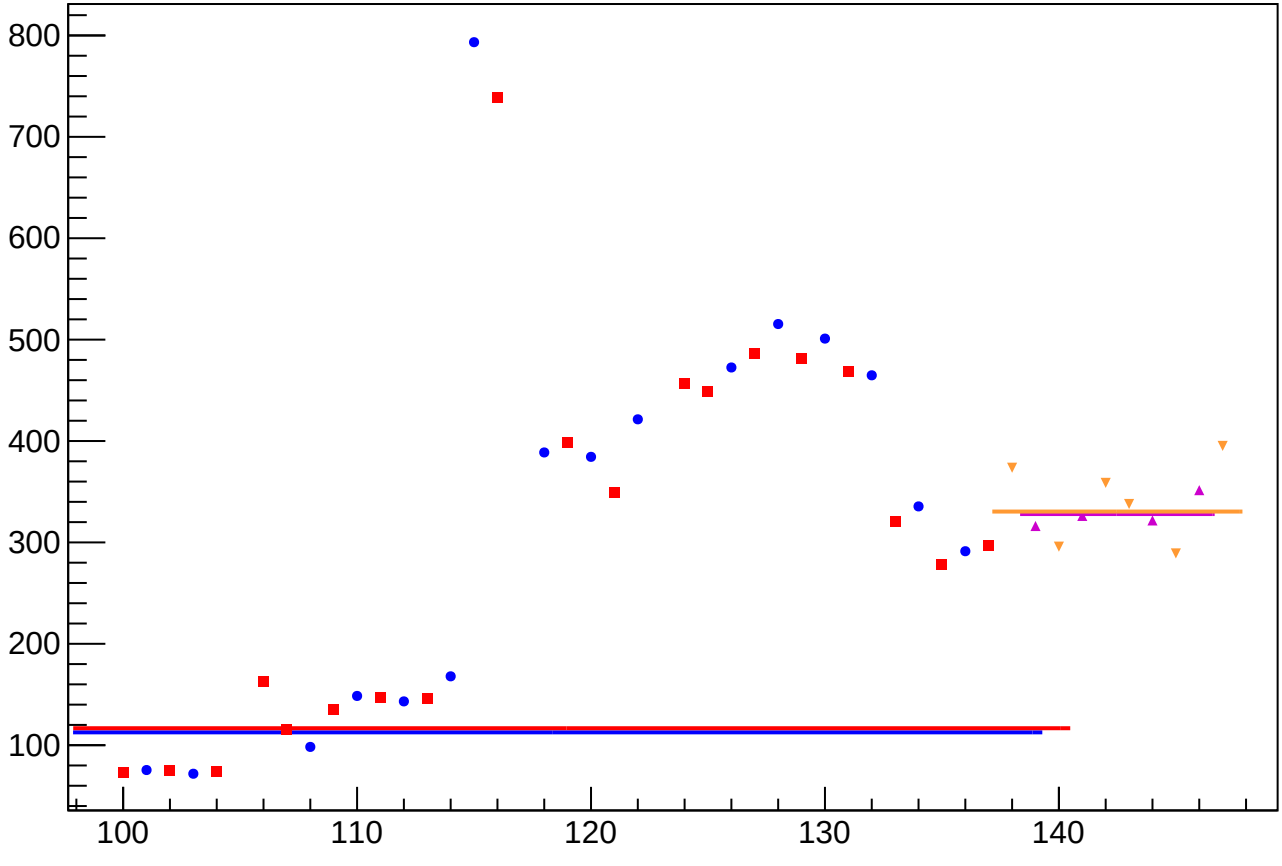
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 51.700+/-51.265 χ^2/NDF:20.2/19

Out: -63.775+/-50.394 χ^2/NDF:26.2/24

All: -7.027+/-35.938 χ^2/NDF: 48.9/44

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: 330.432+/-0.111 χ^2/NDF:126789.1/5

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 327.980+/-0.125 χ^2/NDF:10906.8/3

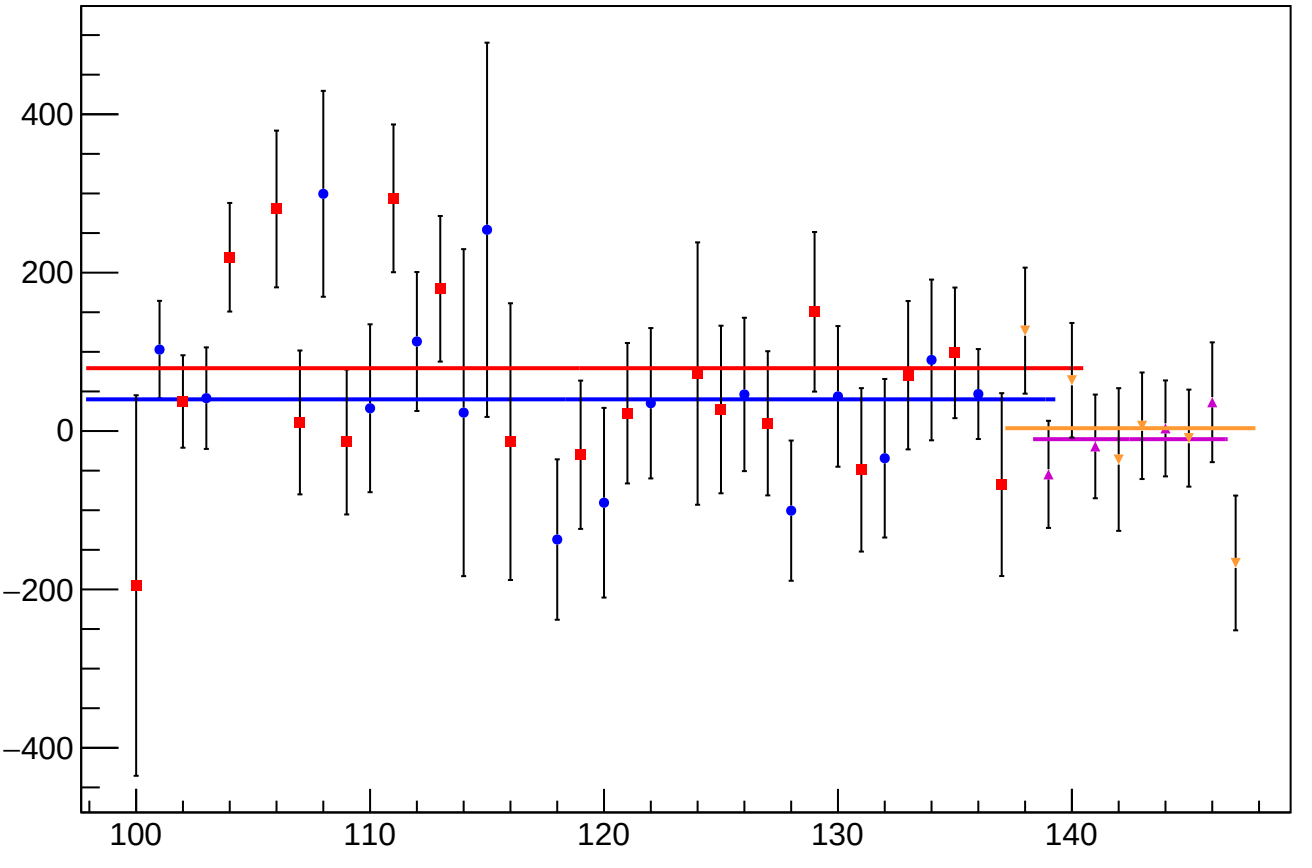
Left: 329.346+/-0.083 χ^2/NDF: 137912.1/9

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 130.913+/-0.036 χ^2/NDF:8346747.7/19

Out: 138.756+/-0.036 χ^2/NDF:8592688.0/24

All: 134.902+/-0.025 χ^2/NDF: 16963244.2/44



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.585+/-30.182 χ^2/NDF:7.3/5

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: -10.257+/-33.348 χ^2/NDF:0.9/3

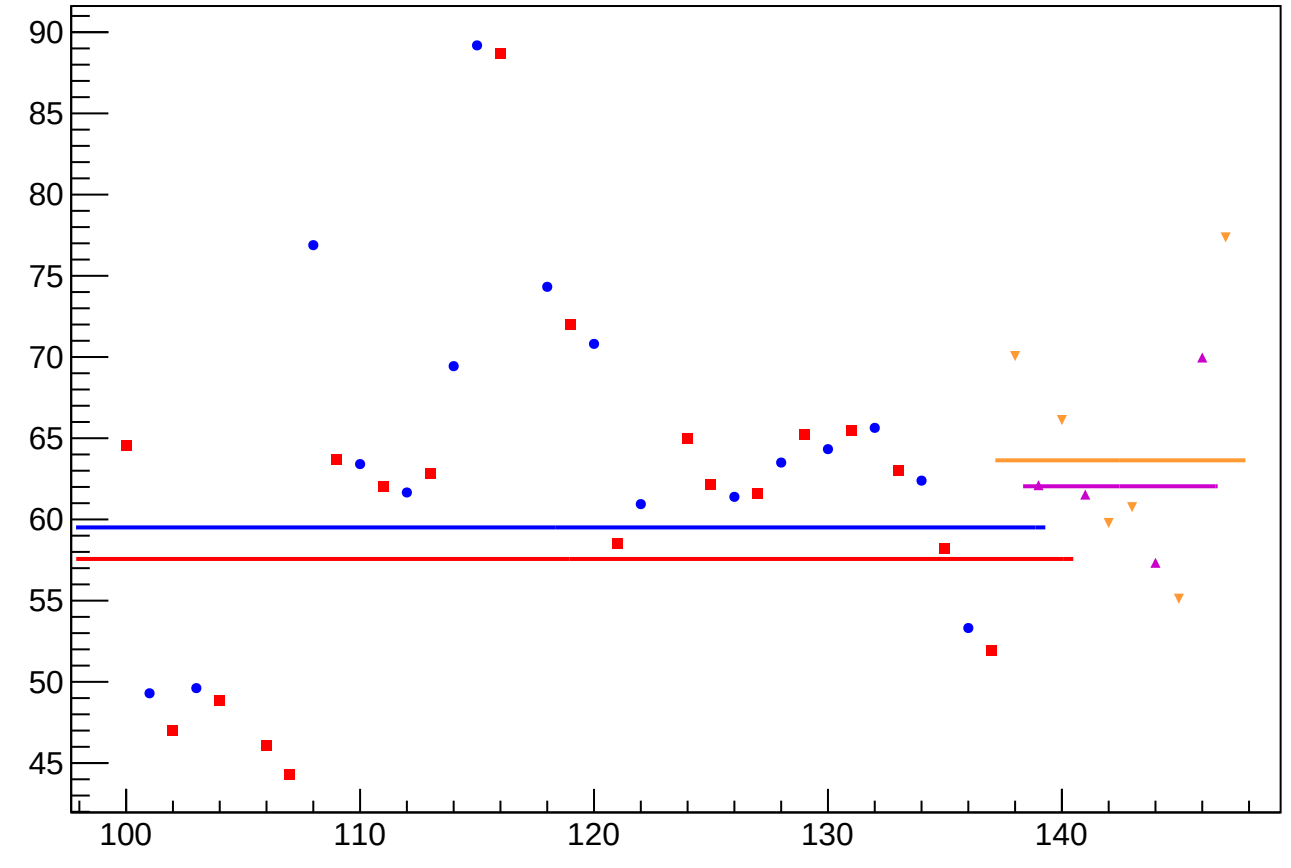
Left: -2.648+/-22.378 χ^2/NDF: 8.3/9

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 24.285+/-18.660 χ^2/NDF:16.6/19

Out: 53.743+/-17.553 χ^2/NDF:36.3/24

All: 39.914+/-12.785 χ^2/NDF: 54.2/44



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 63.639+/-0.021 χ^2/NDF:113436.3/5

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 62.041+/-0.024 χ^2/NDF:34193.3/3

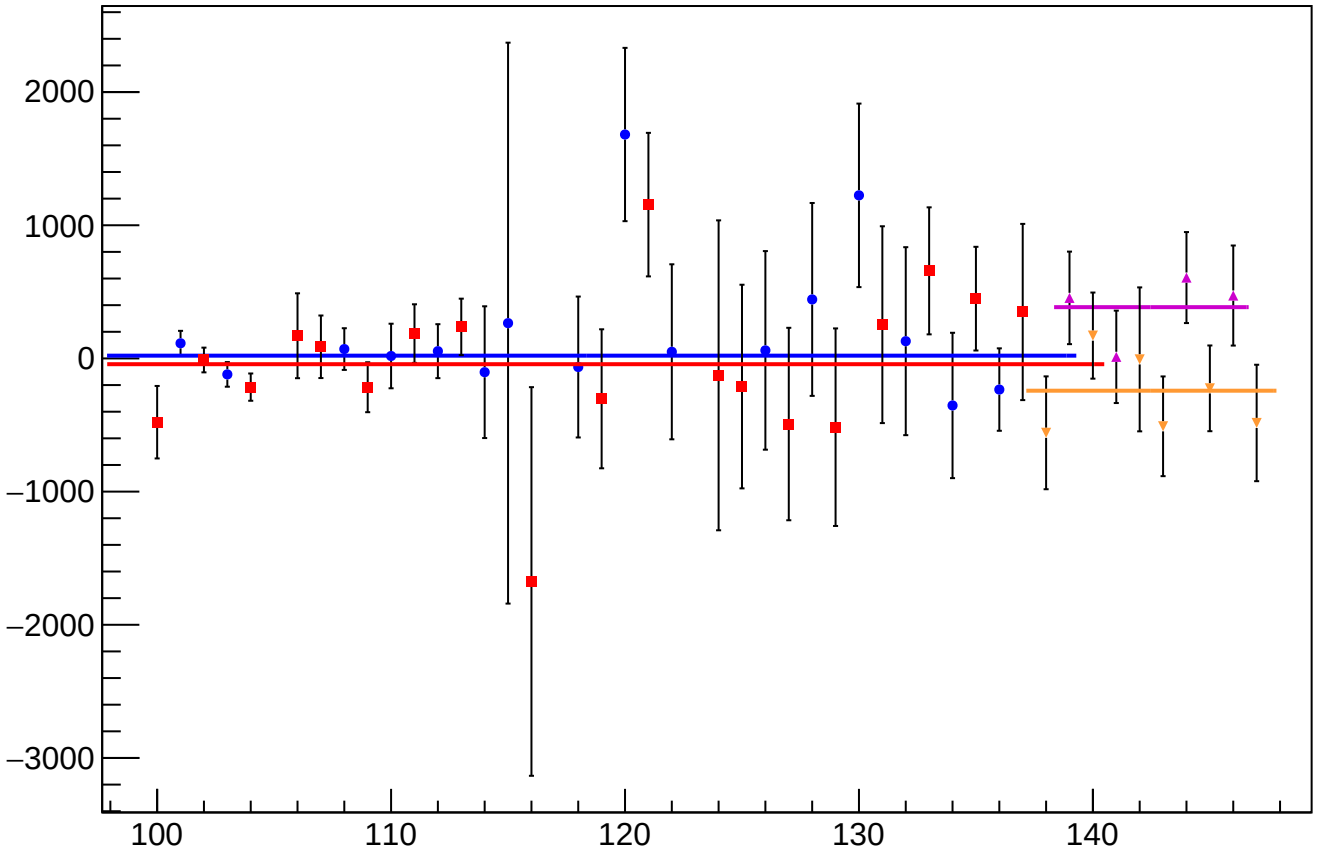
Left: 62.919+/-0.016 χ^2/NDF: 150153.1/9

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 60.302+/-0.013 χ^2/NDF:325307.0/19

Out: 59.620+/-0.012 χ^2/NDF:514382.3/24

All: 59.940+/-0.009 χ^2/NDF: 841103.0/44



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.310+/-156.978 χ^2/NDF:3.2/5

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 385.025+/-176.110 χ^2/NDF:1.7/3

Left: 35.442+/-117.183 χ^2/NDF: 11.9/9

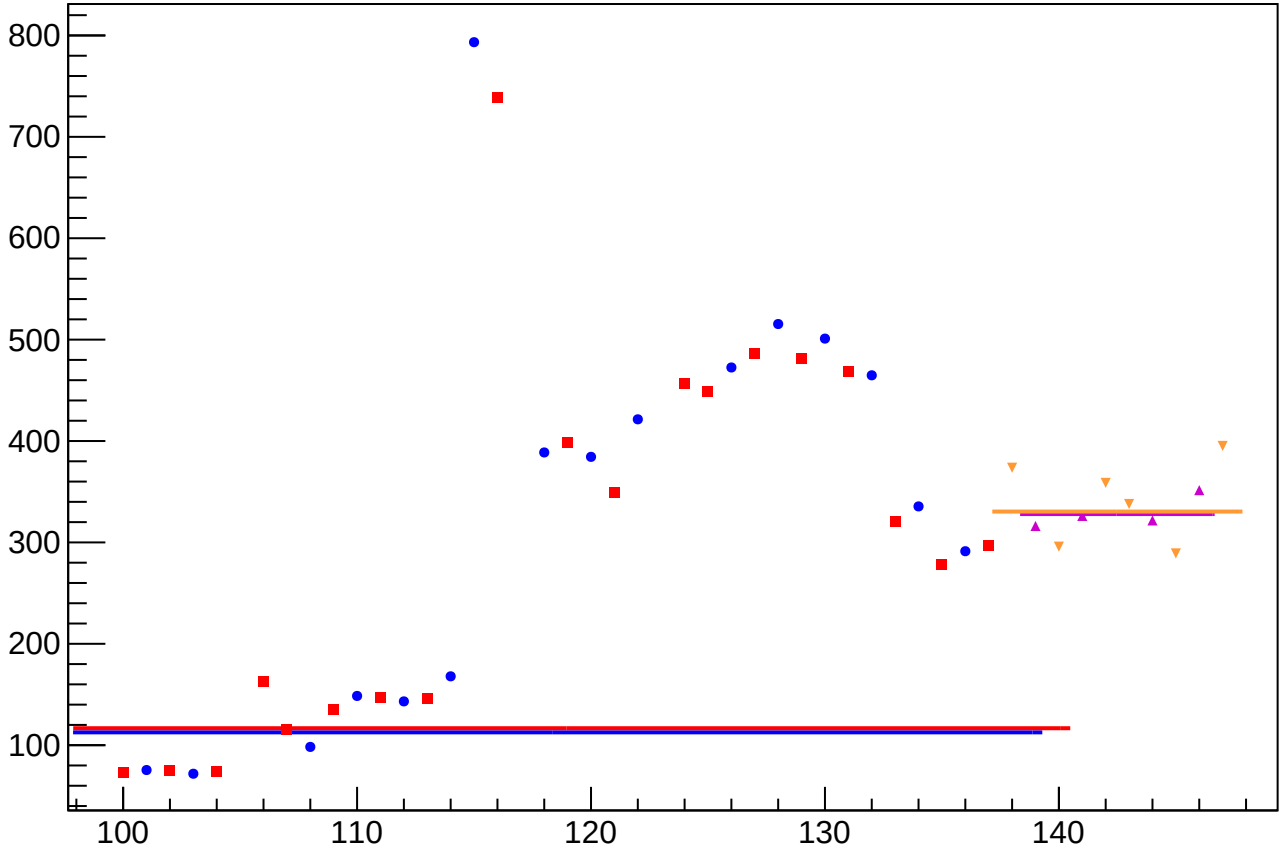
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 51.699+/-51.265 χ^2/NDF:20.2/19

Out: -63.775+/-50.394 χ^2/NDF:26.2/24

All: -7.027+/-35.938 χ^2/NDF: 48.9/44

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: 330.433+/-0.111 χ^2/NDF:126790.5/5

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 327.981+/-0.125 χ^2/NDF:10907.0/3

Left: 329.347+/-0.083 χ^2/NDF: 137913.6/9

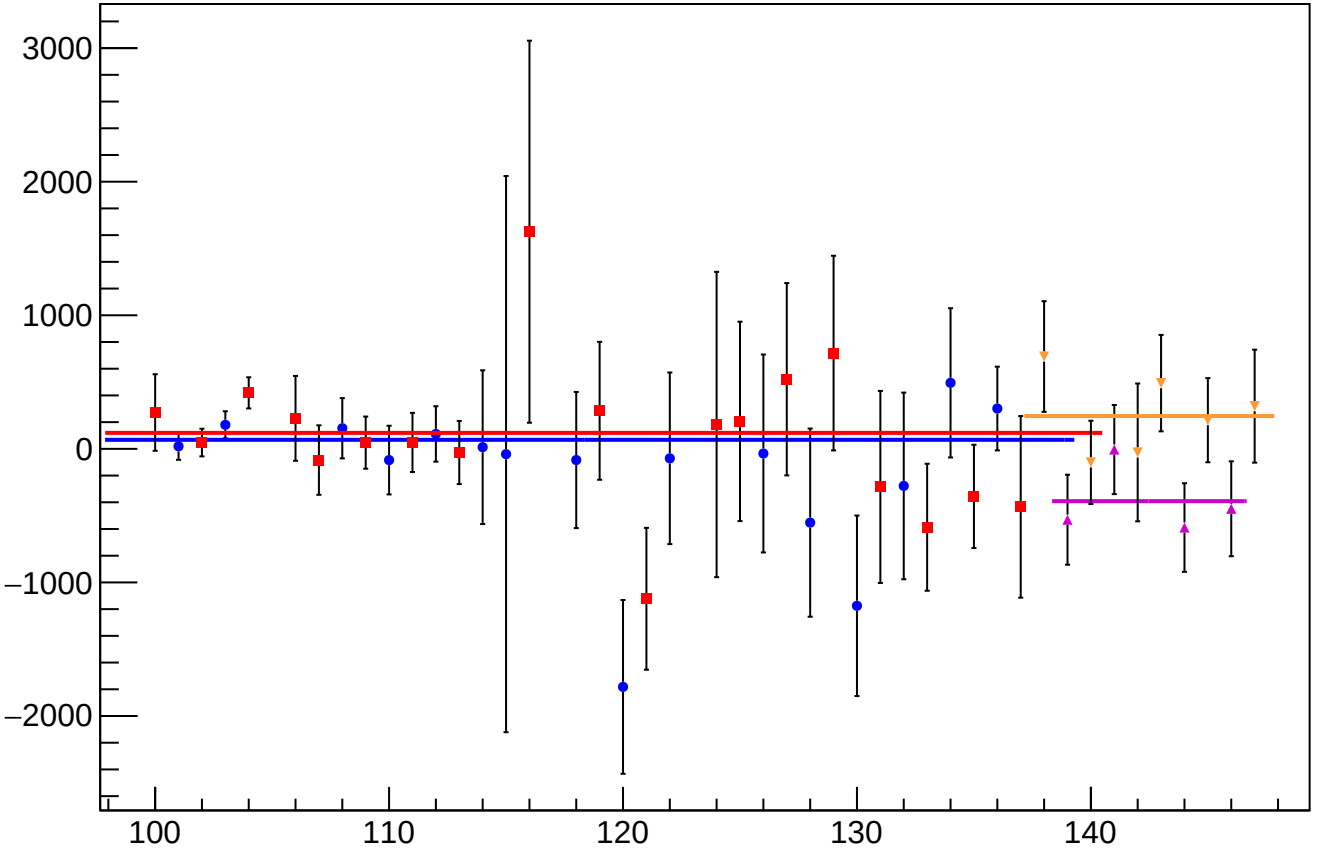
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 130.913+/-0.036 χ^2/NDF:8346762.4/19

Out: 138.756+/-0.036 χ^2/NDF:8592714.9/24

All: 134.901+/-0.025 χ^2/NDF: 16963285.0/44

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 245.548+/-152.115 χ^2/NDF:3.2/5

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -391.523+/-169.488 χ^2/NDF:1.9/3

Left: -38.673+/-113.207 χ^2/NDF: 12.9/9

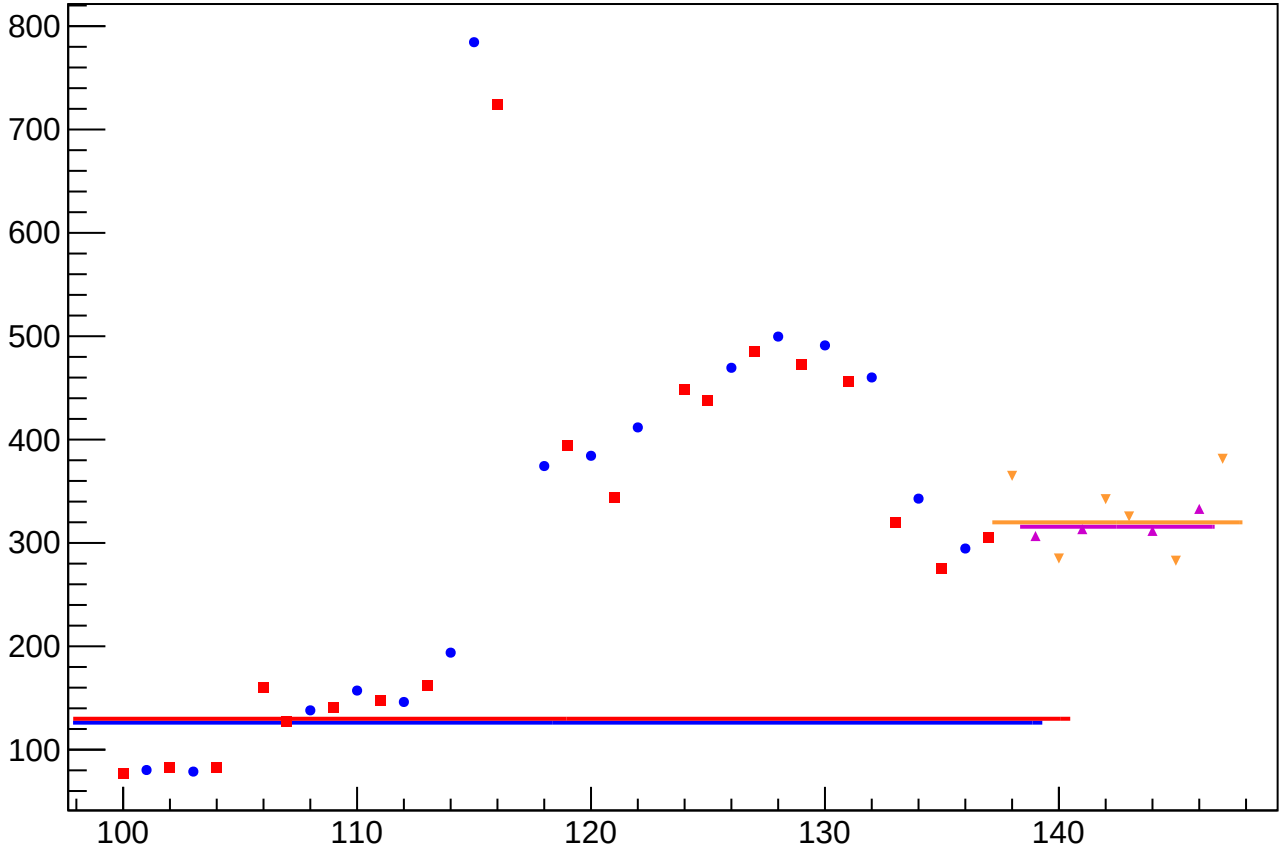
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 17.742+/-55.863 χ^2/NDF:24.2/19

Out: 135.589+/-54.146 χ^2/NDF:24.9/24

All: 78.504+/-38.880 χ^2/NDF: 51.4/44

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 319.933+/-0.108 χ^2/NDF:123068.0/5

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 315.699+/-0.120 χ^2/NDF:6540.9/3

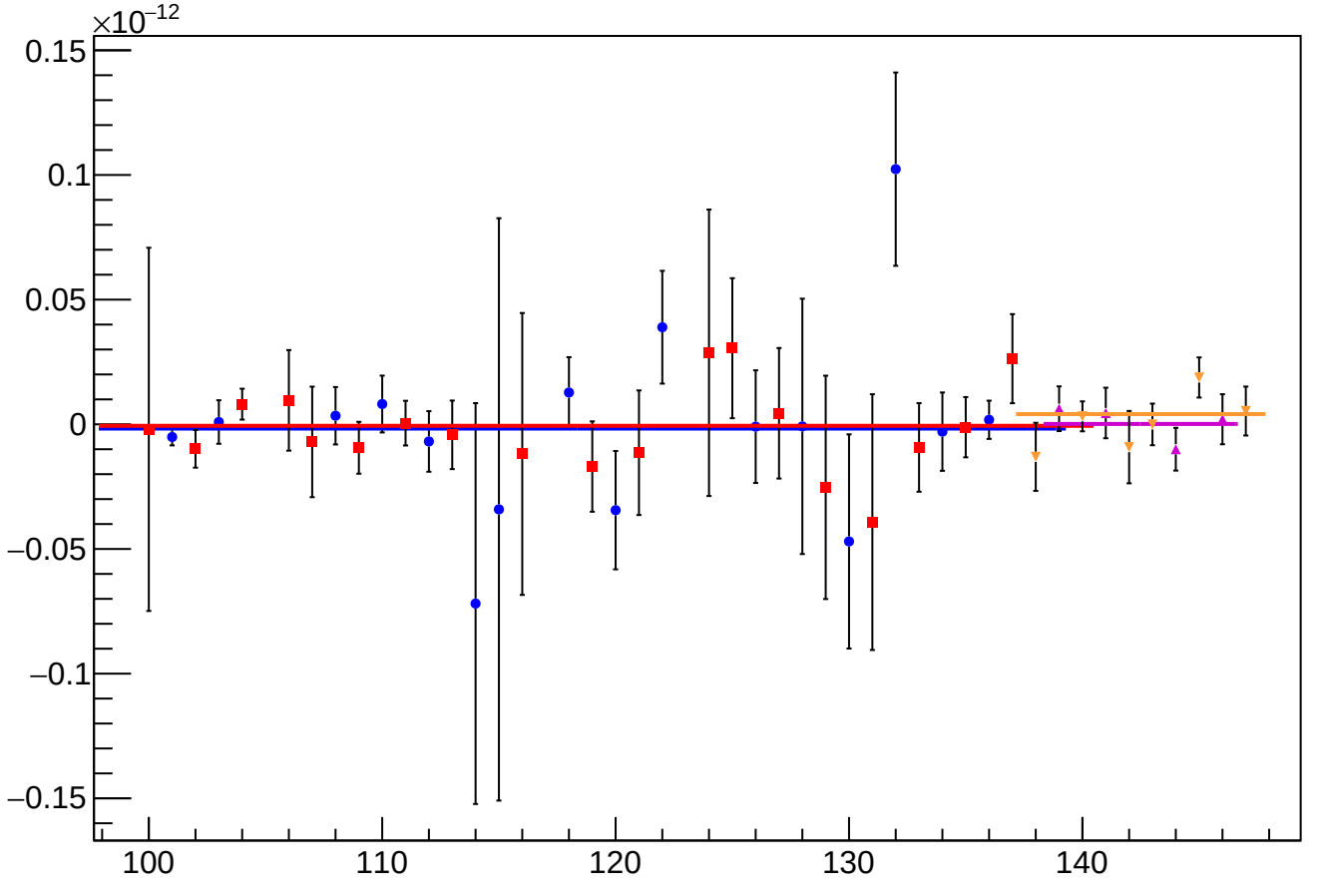
Left: 318.044+/-0.080 χ^2/NDF: 130300.5/9

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 146.745+/-0.040 χ^2/NDF:7456296.6/19

Out: 153.991+/-0.038 χ^2/NDF:7496216.8/24

All: 150.481+/-0.027 χ^2/NDF: 14969862.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/3

Left: 0.000+/-0.000 χ^2/NDF: 8.6/9

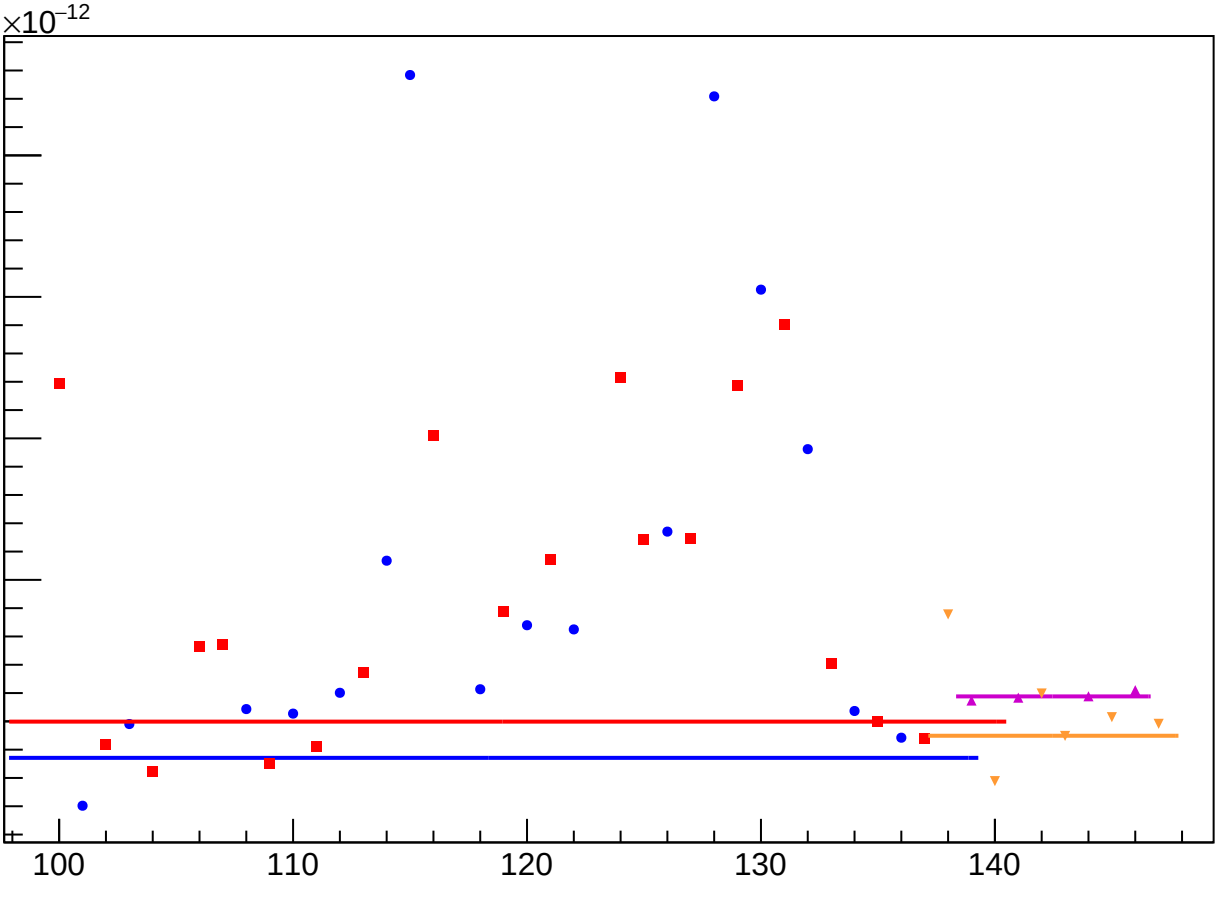
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.0/19

Out: 0.000+/-0.000 χ^2/NDF:17.5/24

All: 0.000+/-0.000 χ^2/NDF: 38.2/44

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:378389.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1546.9/3

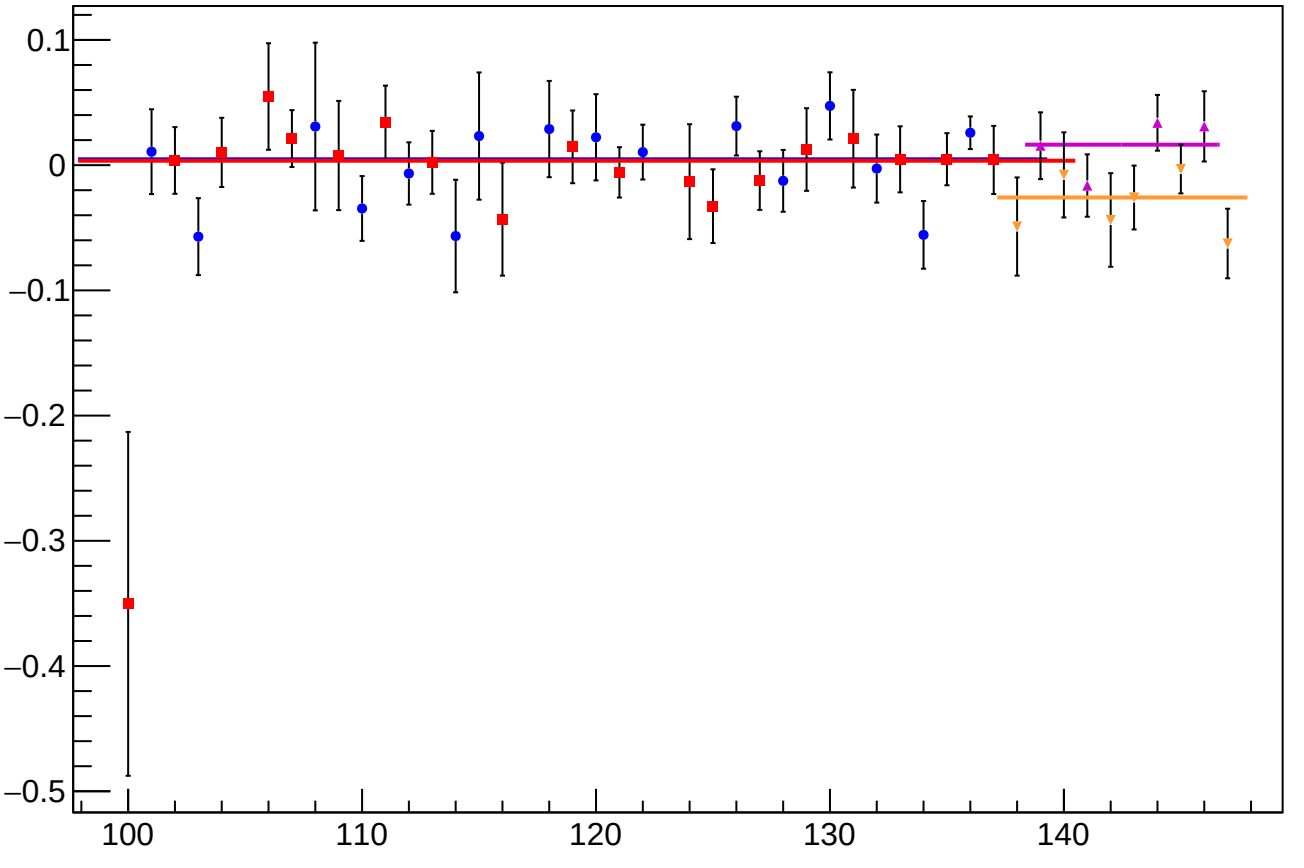
Left: 0.000+/-0.000 χ^2/NDF: 491501.5/9

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:2507739.0/19

Out: 0.000+/-0.000 χ^2/NDF:1695366.2/24

All: 0.000+/-0.000 χ^2/NDF: 4263272.1/44



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.013 χ^2/NDF:2.6/3

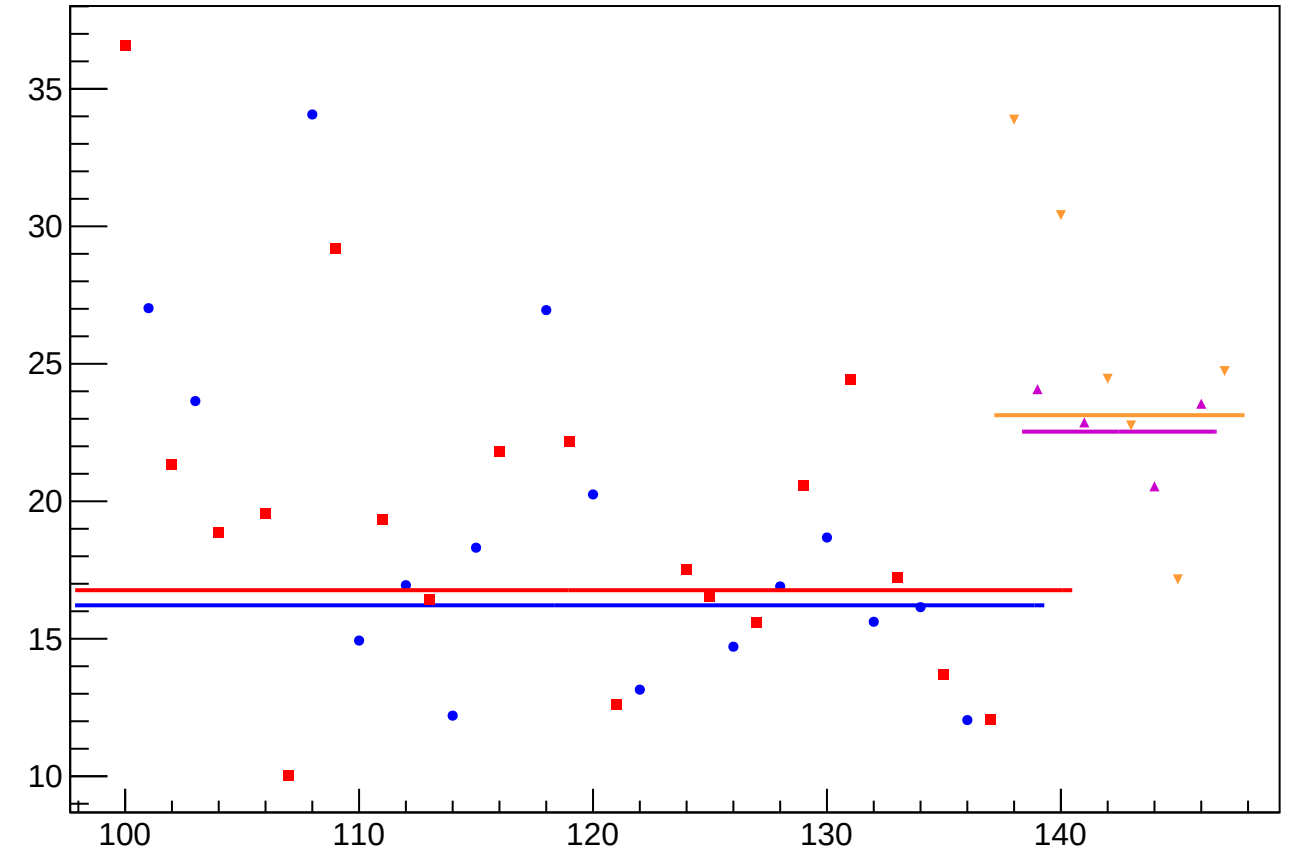
Left: -0.007+/-0.008 χ^2/NDF: 12.7/9

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.007+/-0.006 χ^2/NDF:24.7/19

Out: -0.004+/-0.006 χ^2/NDF:22.6/24

All: 0.002+/-0.004 χ^2/NDF: 49.1/44



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 23.132+/-0.008 χ^2/NDF:439588.2/5

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.533+/-0.009 χ^2/NDF:25645.7/3

Left: 22.862+/-0.006 χ^2/NDF: 467721.5/9

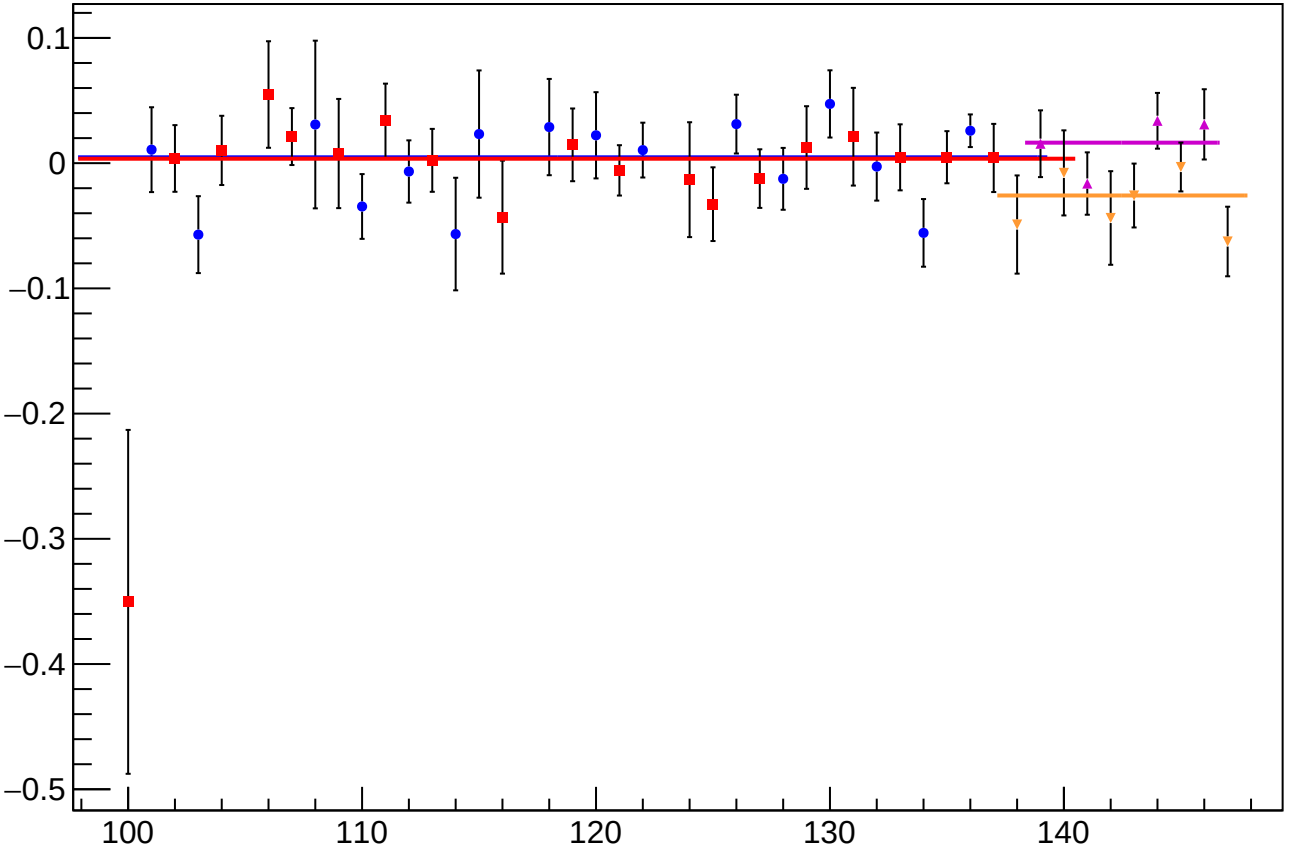
Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.566+/-0.004 χ^2/NDF:1365120.8/19

Out: 18.375+/-0.004 χ^2/NDF:1772658.8/24

All: 17.977+/-0.003 χ^2/NDF: 3157369.7/44

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.013 χ^2/NDF:2.6/3

Left: -0.007+/-0.008 χ^2/NDF: 12.7/9

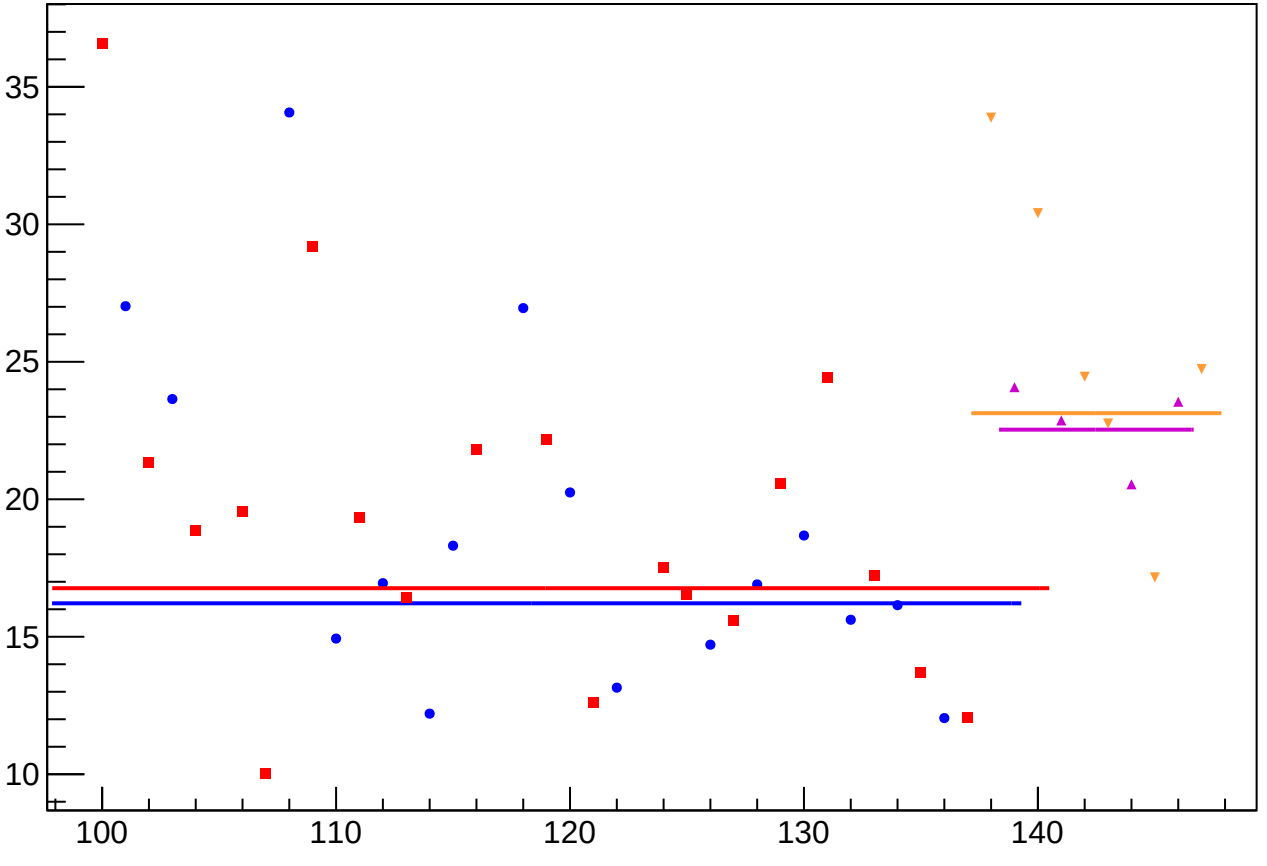
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.007+/-0.006 χ^2/NDF:24.7/19

Out: -0.004+/-0.006 χ^2/NDF:22.6/24

All: 0.002+/-0.004 χ^2/NDF: 49.1/44

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 23.132+/-0.008 χ^2/NDF:439588.2/5

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 22.533+/-0.009 χ^2/NDF:25645.7/3

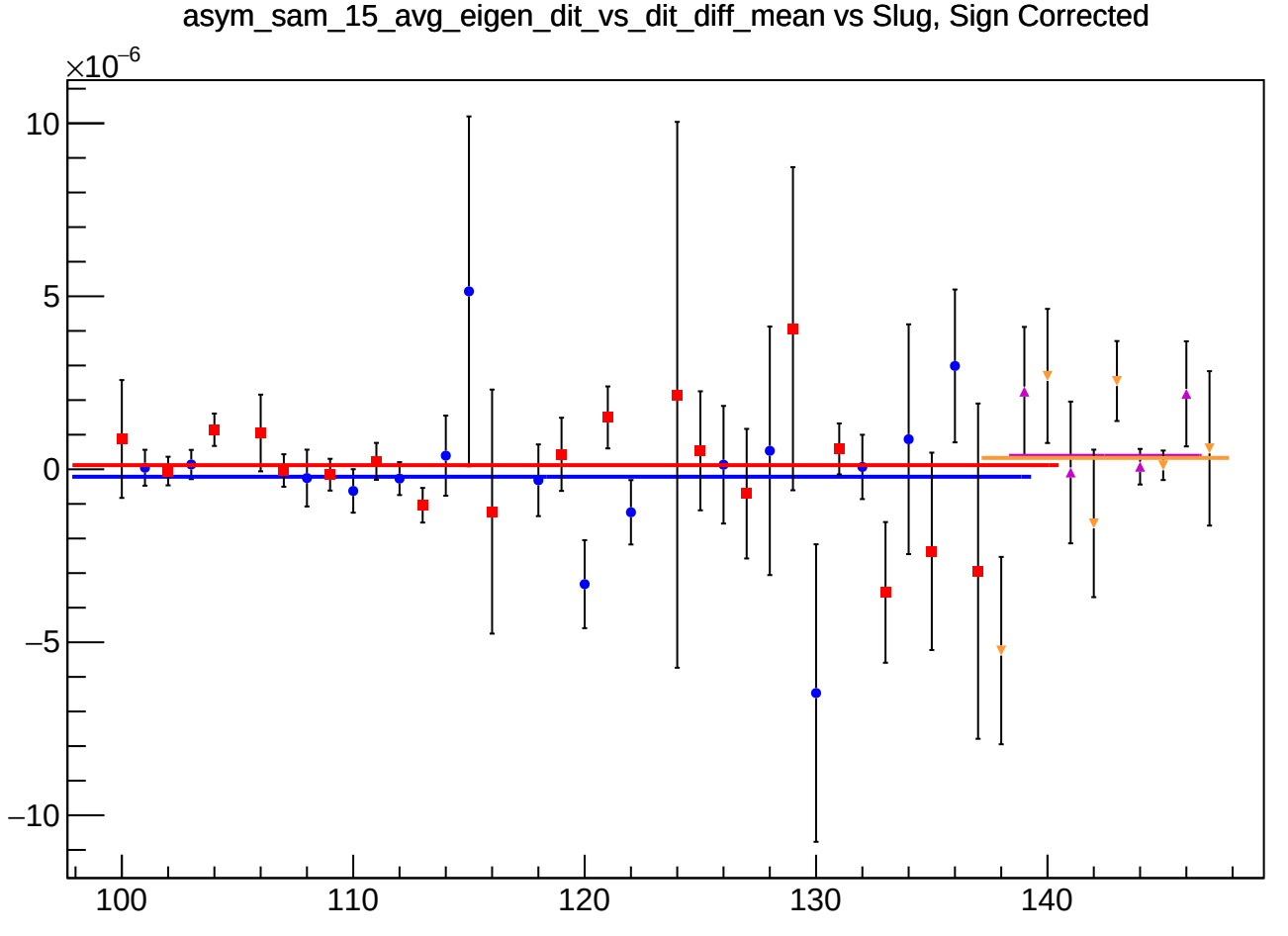
Left: 22.862+/-0.006 χ^2/NDF: 467721.5/9

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.566+/-0.004 χ^2/NDF:1365120.8/19

Out: 18.375+/-0.004 χ^2/NDF:1772658.8/24

All: 17.977+/-0.003 χ^2/NDF: 3157369.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

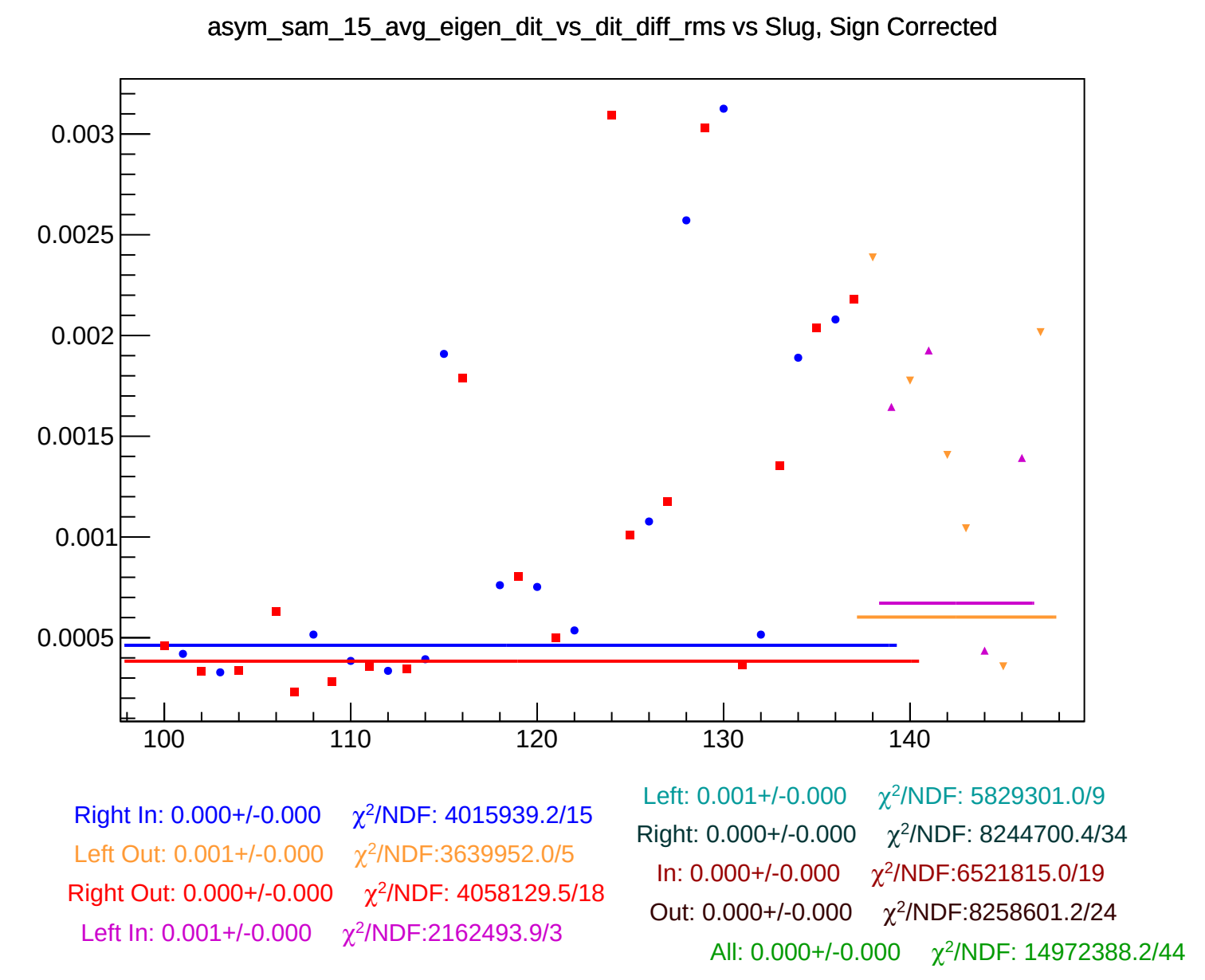
Left: 0.000+/-0.000 χ^2/NDF: 13.3/9

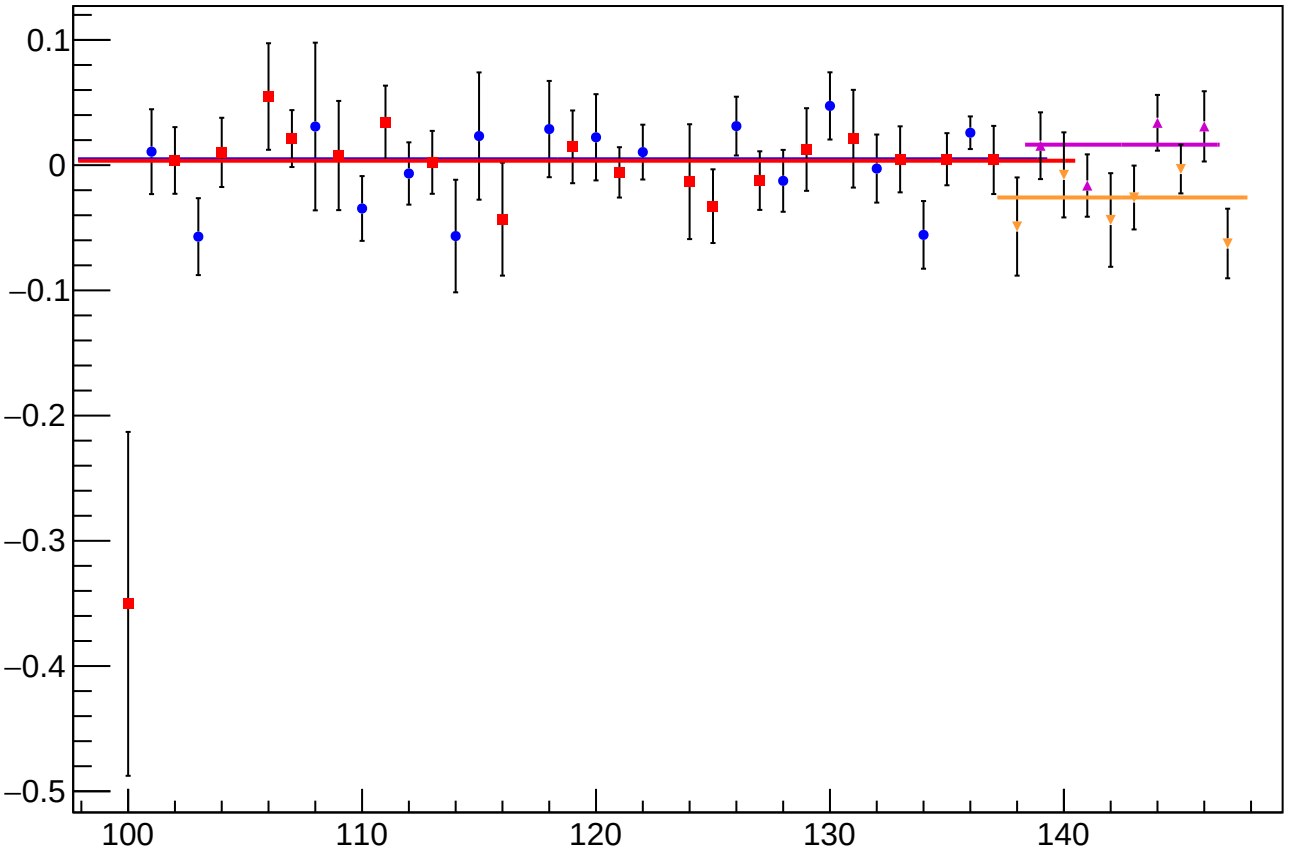
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:18.7/19

Out: 0.000+/-0.000 χ^2/NDF:31.0/24

All: 0.000+/-0.000 χ^2/NDF: 50.9/44


asym_sam_15_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:3639952.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:2162493.9/3
Left: 0.001+/-0.000 χ²/NDF: 5829301.0/9
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.000+/-0.000 χ²/NDF:6521815.0/19
Out: 0.000+/-0.000 χ²/NDF:8258601.2/24
All: 0.000+/-0.000 χ²/NDF: 14972388.2/44



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.013 χ^2/NDF:2.6/3

Left: -0.007+/-0.008 χ^2/NDF: 12.7/9

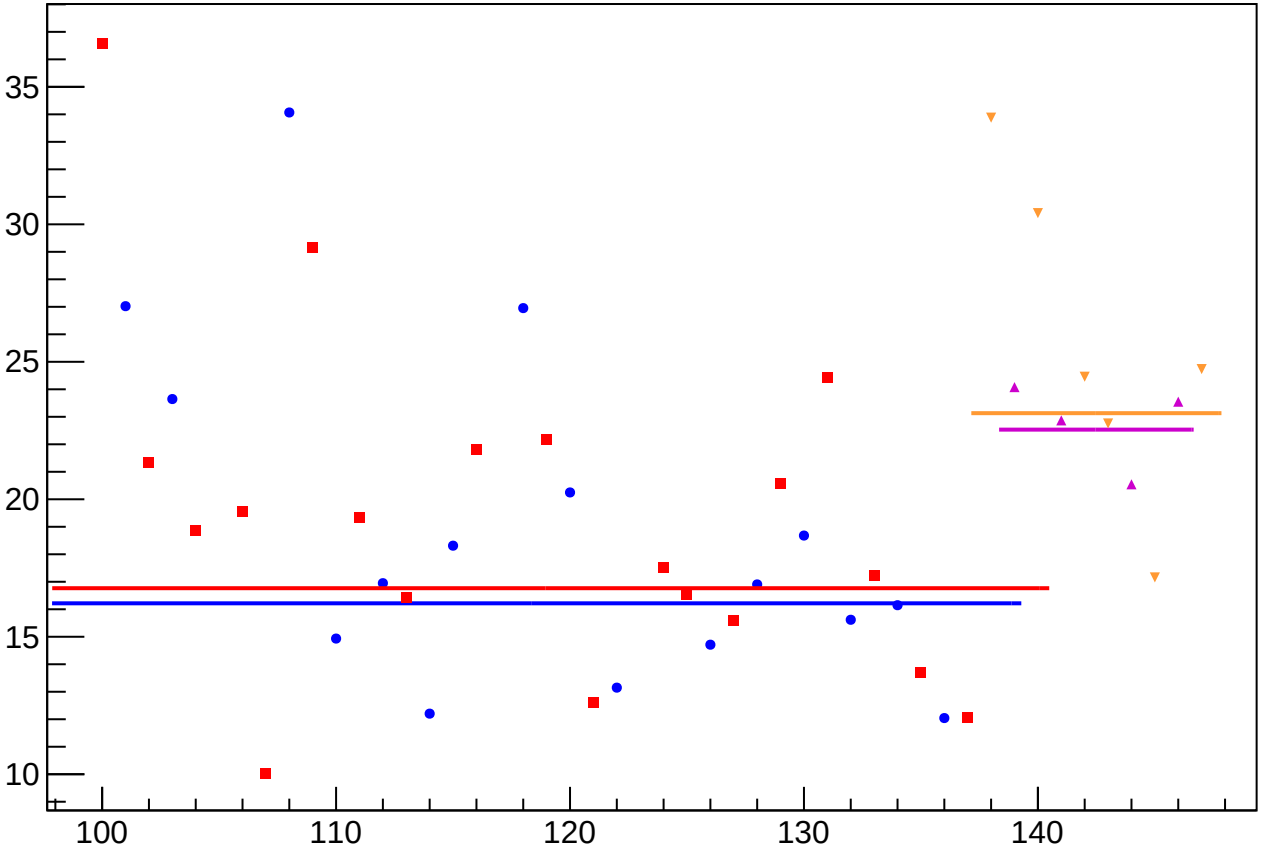
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.007+/-0.006 χ^2/NDF:24.7/19

Out: -0.004+/-0.006 χ^2/NDF:22.6/24

All: 0.002+/-0.004 χ^2/NDF: 49.1/44

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: 23.132+/-0.008 χ^2/NDF:439628.3/5

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.533+/-0.009 χ^2/NDF:25658.4/3

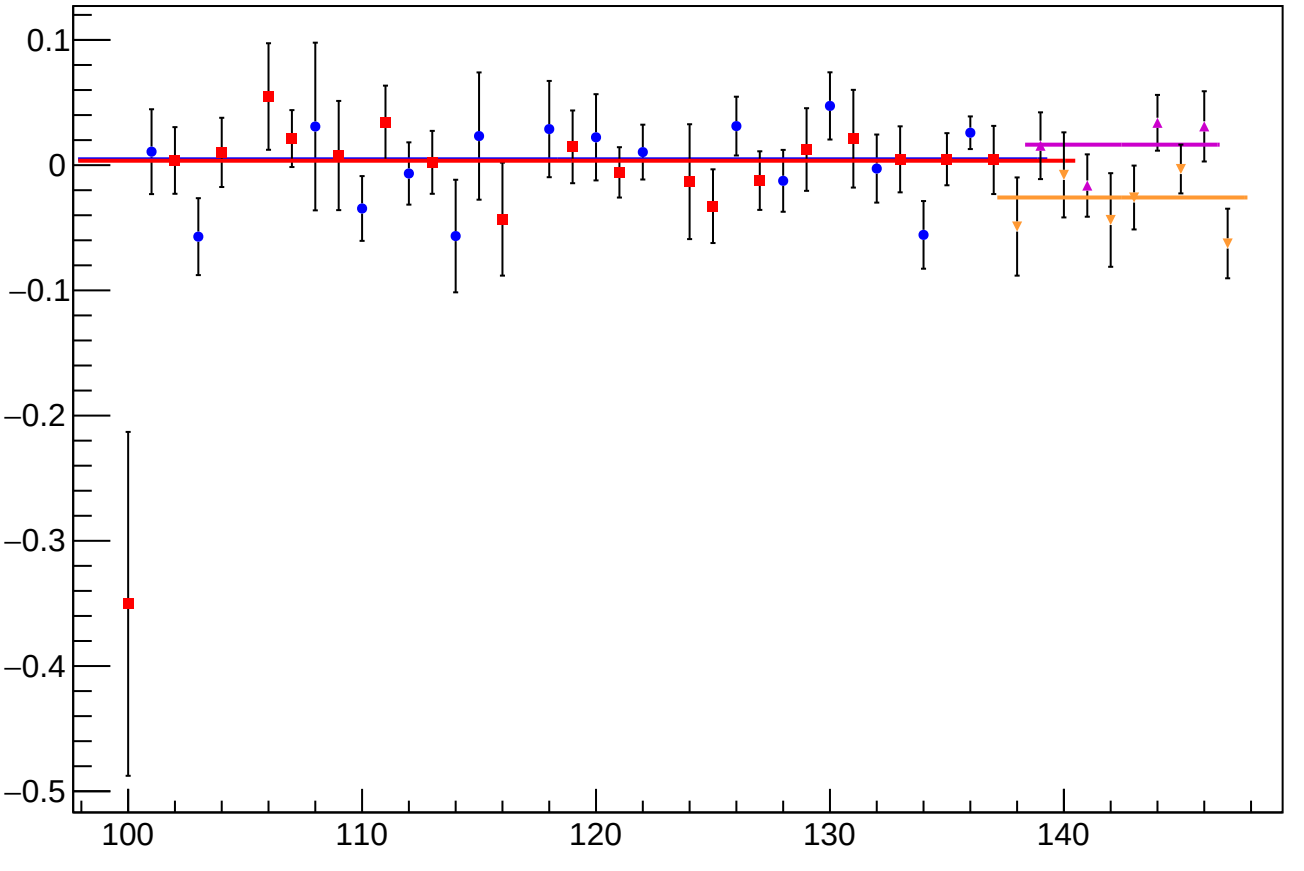
Left: 22.862+/-0.006 χ^2/NDF: 467770.6/9

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.566+/-0.004 χ^2/NDF:1365190.8/19

Out: 18.375+/-0.004 χ^2/NDF:1772751.8/24

All: 17.977+/-0.003 χ^2/NDF: 3157529.4/44



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.026+/-0.011 χ^2/NDF:4.0/5

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.016+/-0.013 χ^2/NDF:2.6/3

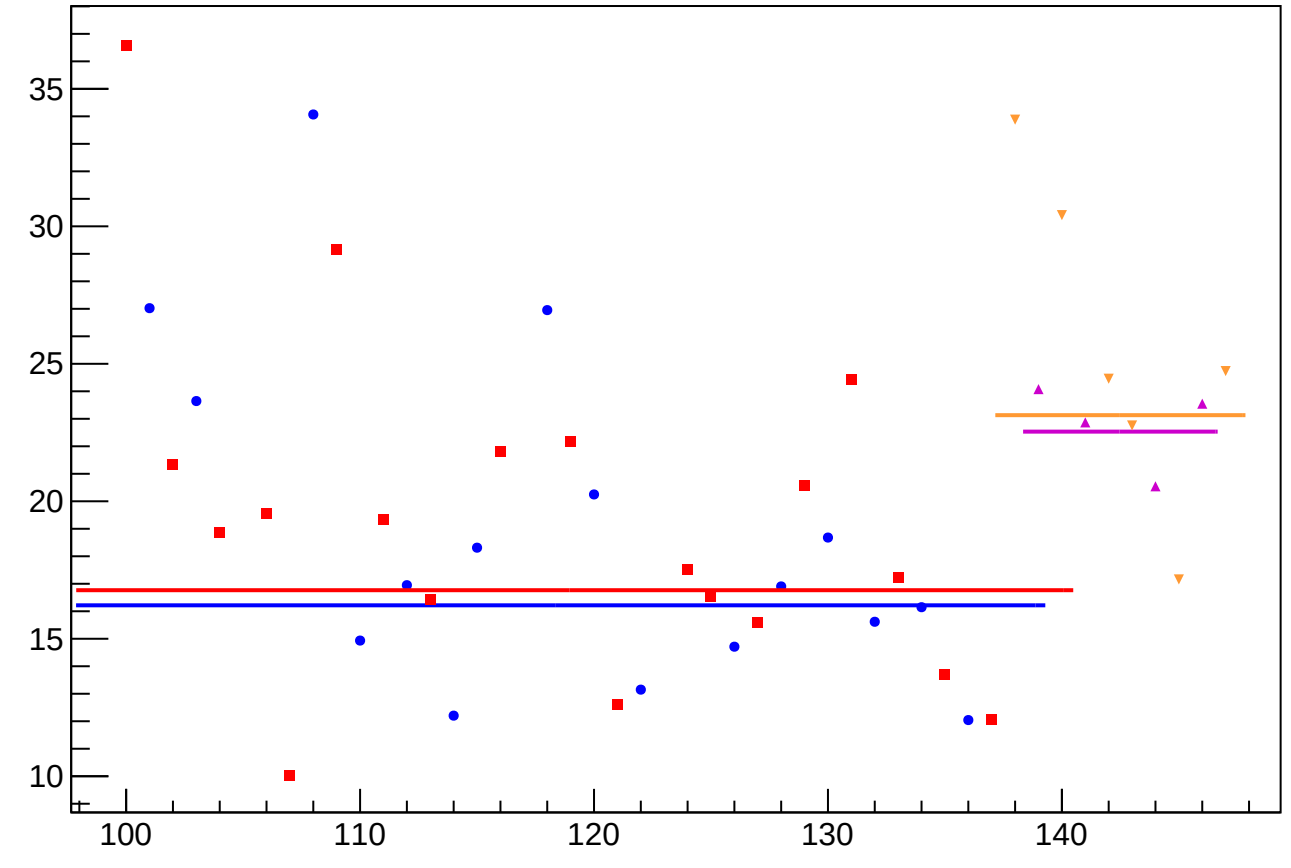
Left: -0.007+/-0.008 χ^2/NDF: 12.7/9

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.007+/-0.006 χ^2/NDF:24.7/19

Out: -0.004+/-0.006 χ^2/NDF:22.6/24

All: 0.002+/-0.004 χ^2/NDF: 49.1/44



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 23.132+/-0.008 χ^2/NDF:439628.3/5

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 22.533+/-0.009 χ^2/NDF:25658.4/3

Left: 22.862+/-0.006 χ^2/NDF: 467770.6/9

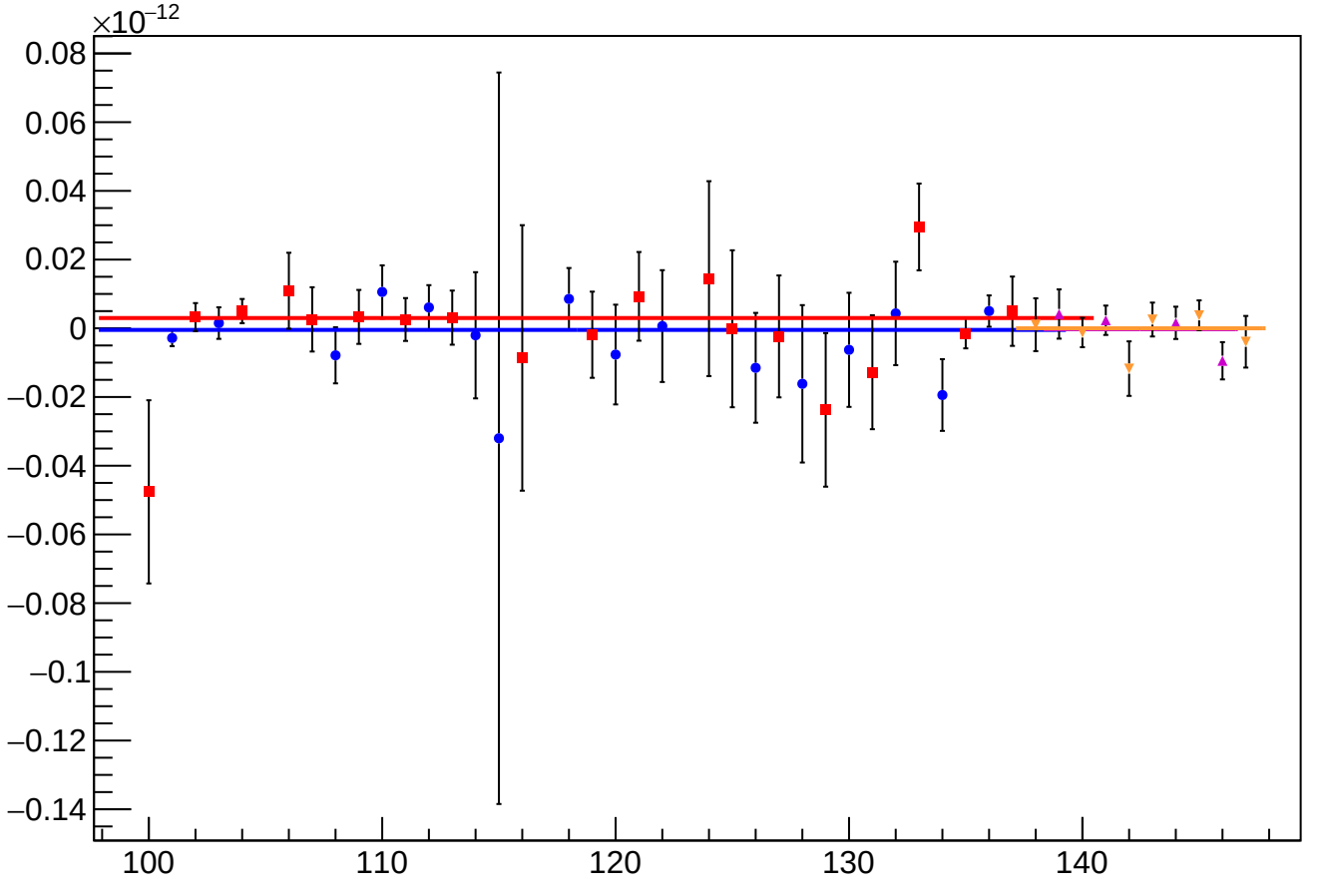
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.566+/-0.004 χ^2/NDF:1365190.8/19

Out: 18.375+/-0.004 χ^2/NDF:1772751.8/24

All: 17.977+/-0.003 χ^2/NDF: 3157529.4/44

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:3.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/3

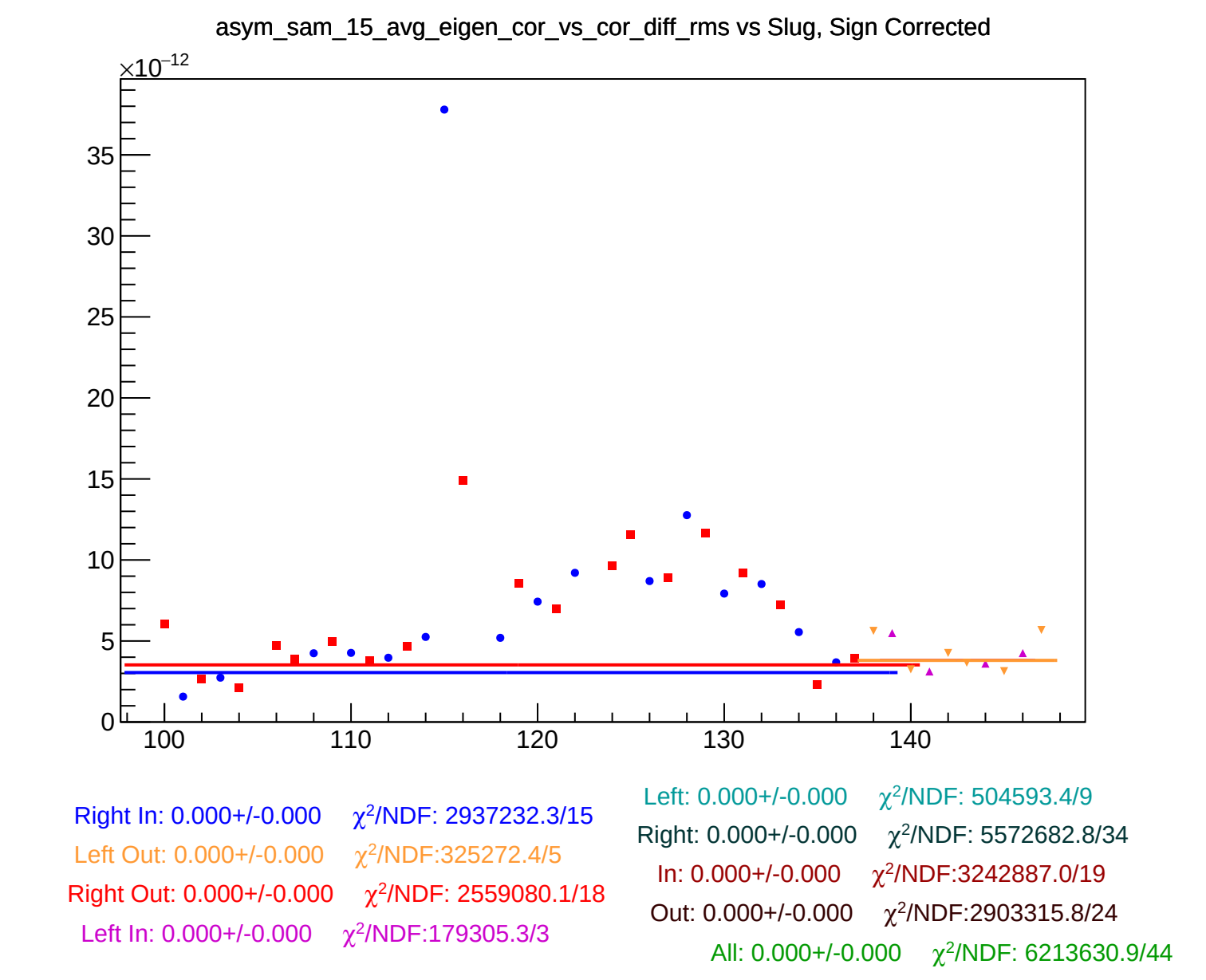
Left: -0.000+/-0.000 χ^2/NDF: 7.4/9

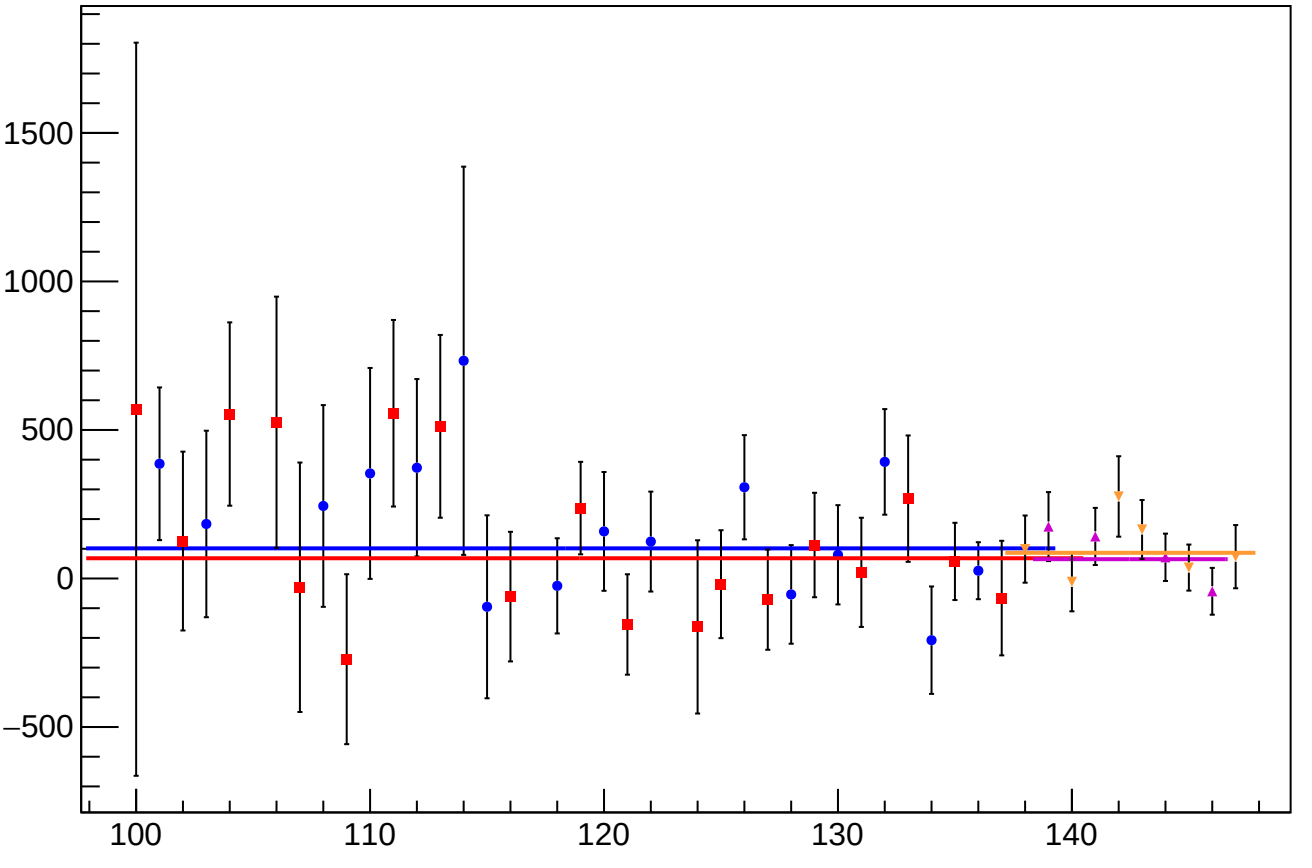
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:16.1/19

Out: 0.000+/-0.000 χ^2/NDF:17.7/24

All: 0.000+/-0.000 χ^2/NDF: 35.1/44


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:325272.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:179305.3/3
Left: 0.000+/-0.000 χ²/NDF: 504593.4/9
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:3242887.0/19
Out: 0.000+/-0.000 χ²/NDF:2903315.8/24
All: 0.000+/-0.000 χ²/NDF: 6213630.9/44



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 86.471+/-41.143 χ^2/NDF:4.0/5

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 64.999+/-44.688 χ^2/NDF:3.4/3

Left: 76.620+/-30.268 χ^2/NDF: 7.5/9

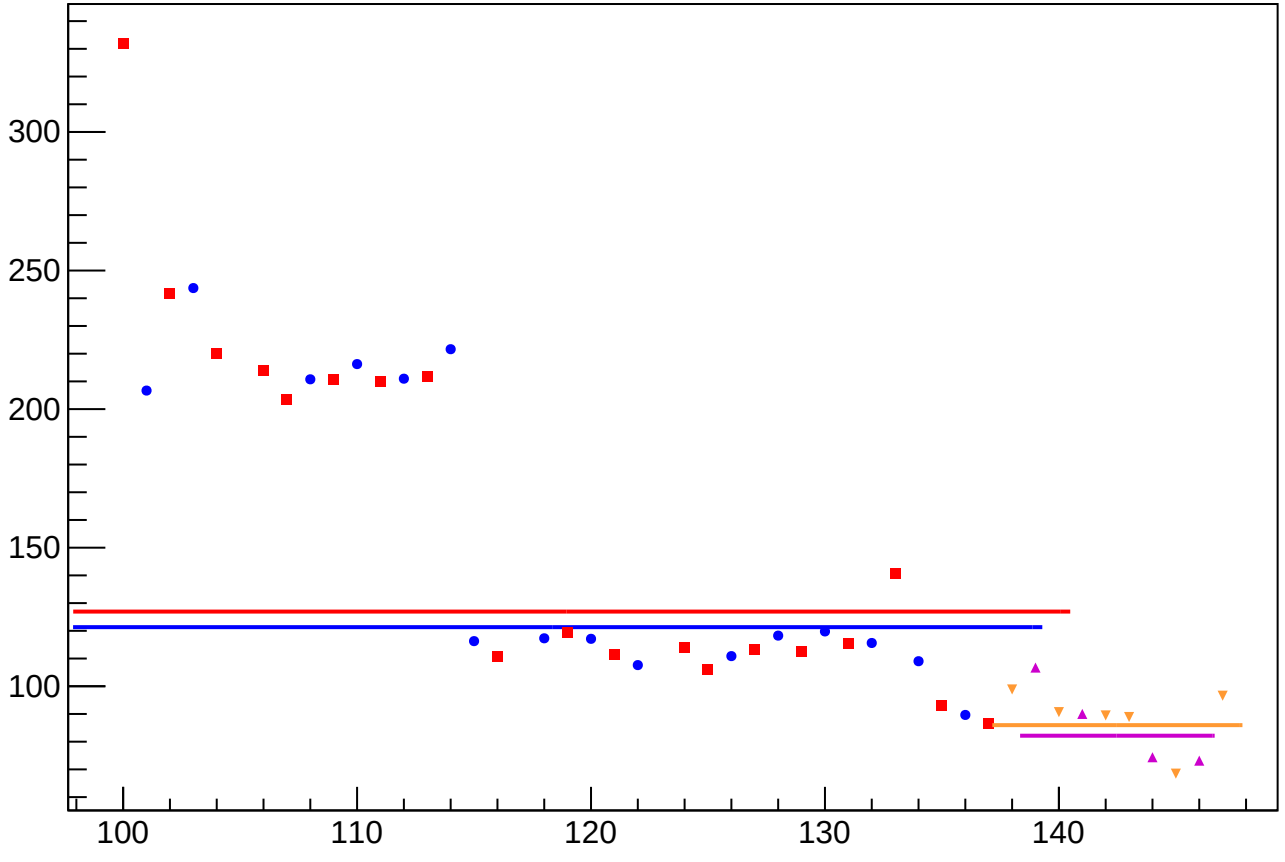
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 82.068+/-32.590 χ^2/NDF:17.1/19

Out: 78.937+/-31.595 χ^2/NDF:20.2/24

All: 80.454+/-22.685 χ^2/NDF: 37.3/44

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 85.967+/-0.029 χ^2/NDF:155321.2/5

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

Left: 84.218+/-0.021 χ^2/NDF: 311232.8/9

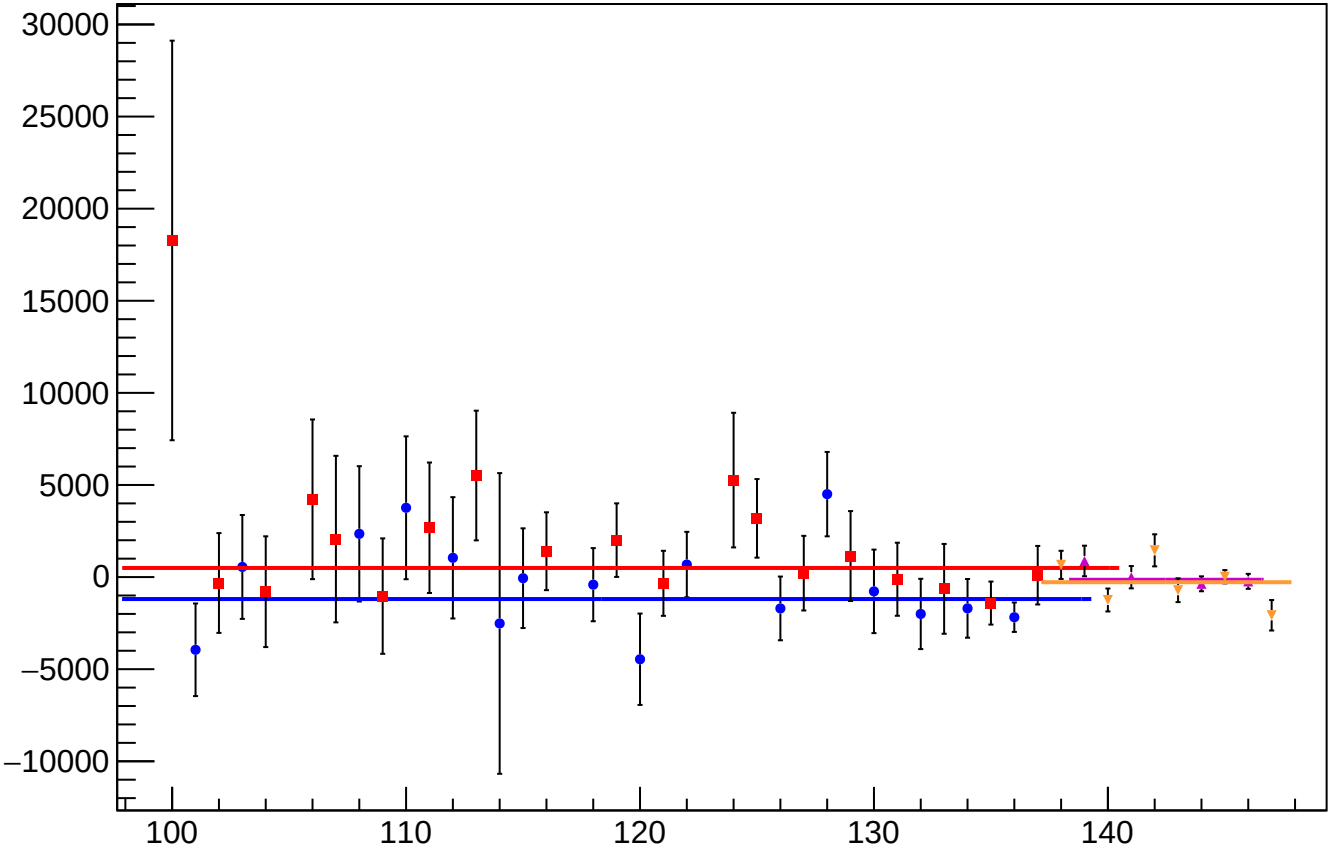
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 100.493+/-0.023 χ^2/NDF:2154052.0/19

Out: 102.778+/-0.022 χ^2/NDF:2440897.7/24

All: 101.671+/-0.016 χ^2/NDF: 4600019.0/44

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: -278.737+/-241.833 χ^2/NDF:13.7/5

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -145.851+/-247.526 χ^2/NDF:1.9/3

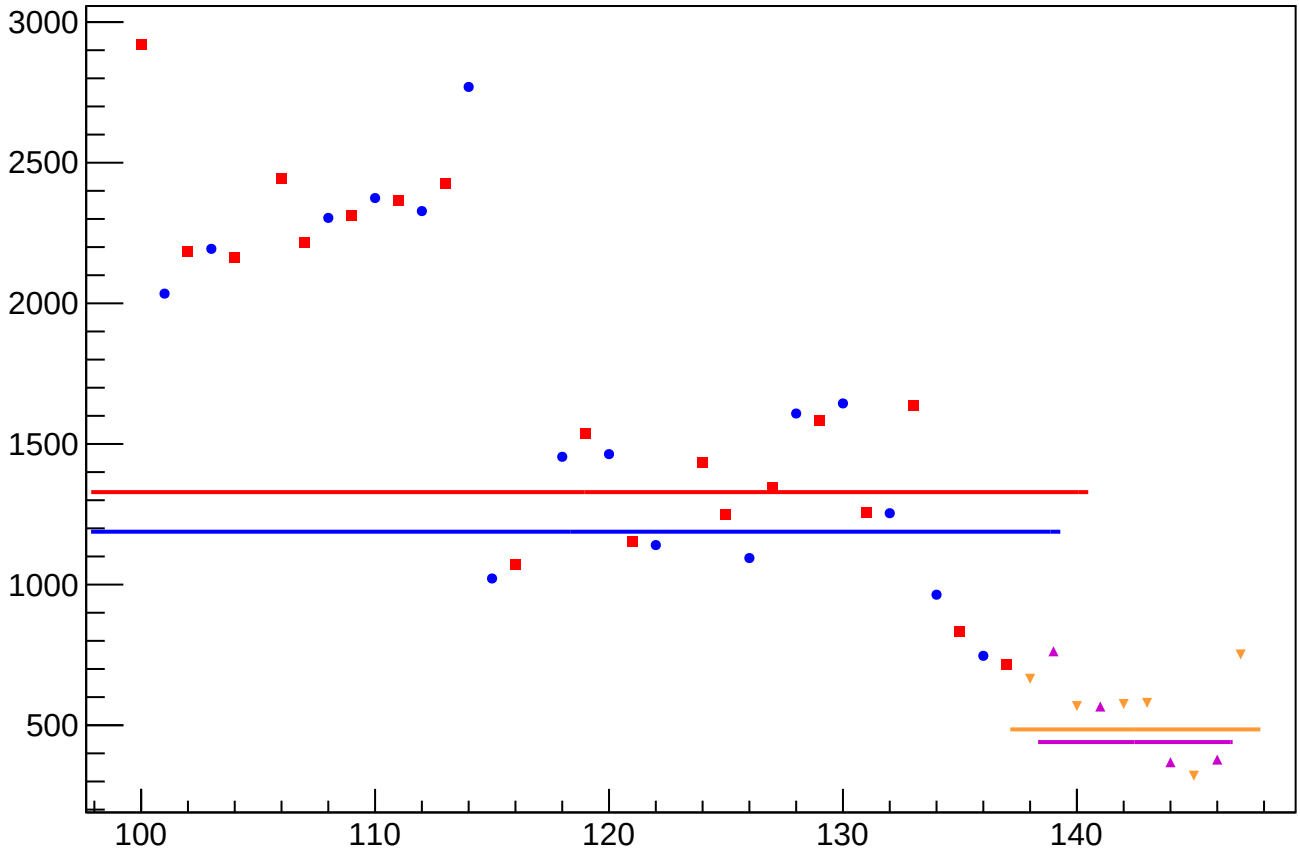
Left: -213.840+/-172.979 χ^2/NDF: 15.8/9

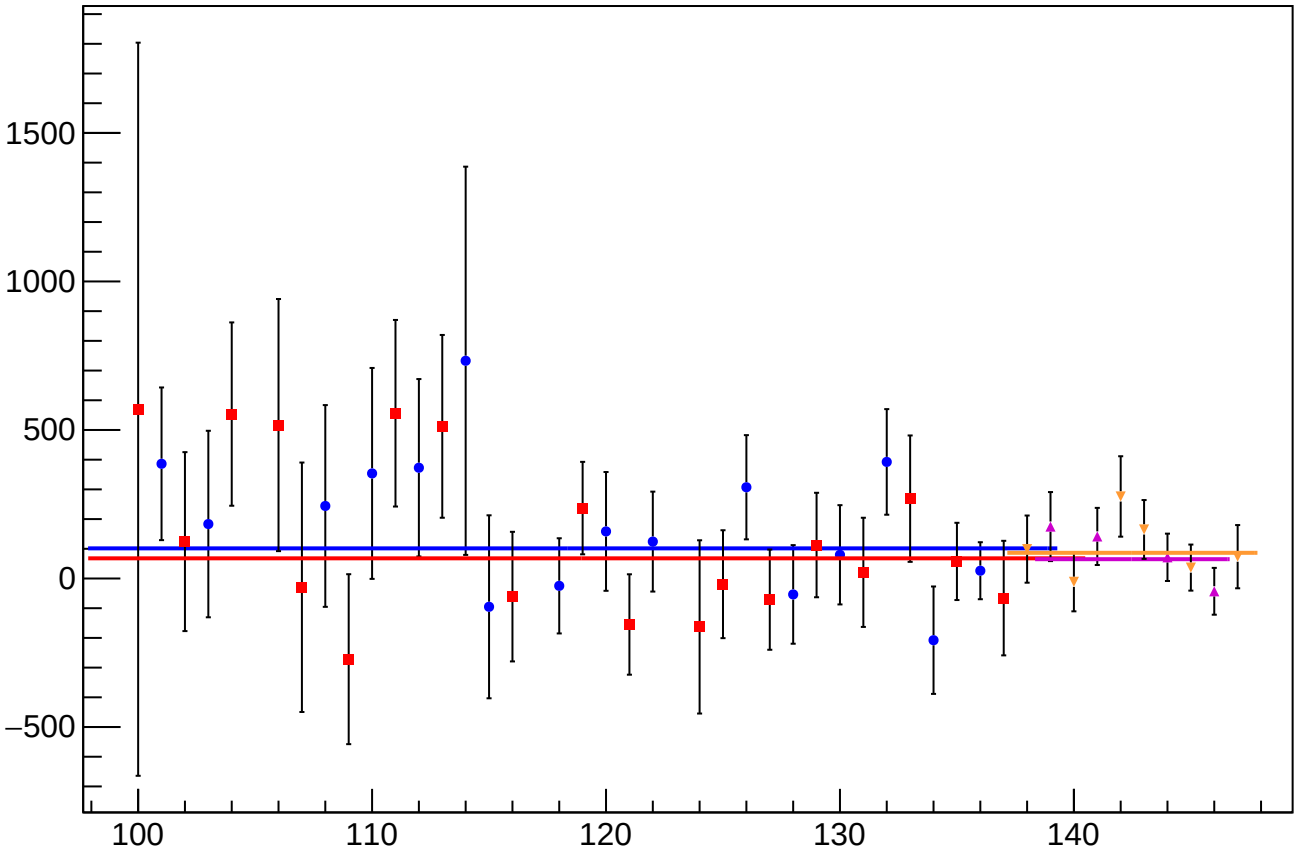
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -366.436+/-219.891 χ^2/NDF:21.6/19

Out: -141.976+/-219.411 χ^2/NDF:29.4/24

All: -253.960+/-155.316 χ^2/NDF: 51.5/44


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 485.178+/-0.171 χ²/NDF:830870.2/5
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 440.184+/-0.175 χ²/NDF:498901.6/3
Left: 463.204+/-0.122 χ²/NDF: 1363584.1/9
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 597.853+/-0.155 χ²/NDF:6392755.6/19
Out: 634.367+/-0.155 χ²/NDF:7092824.8/24
All: 616.150+/-0.110 χ²/NDF: 13513215.5/44



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 86.473+/-41.143 χ^2/NDF:4.0/5

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 65.002+/-44.688 χ^2/NDF:3.4/3

Left: 76.623+/-30.268 χ^2/NDF: 7.5/9

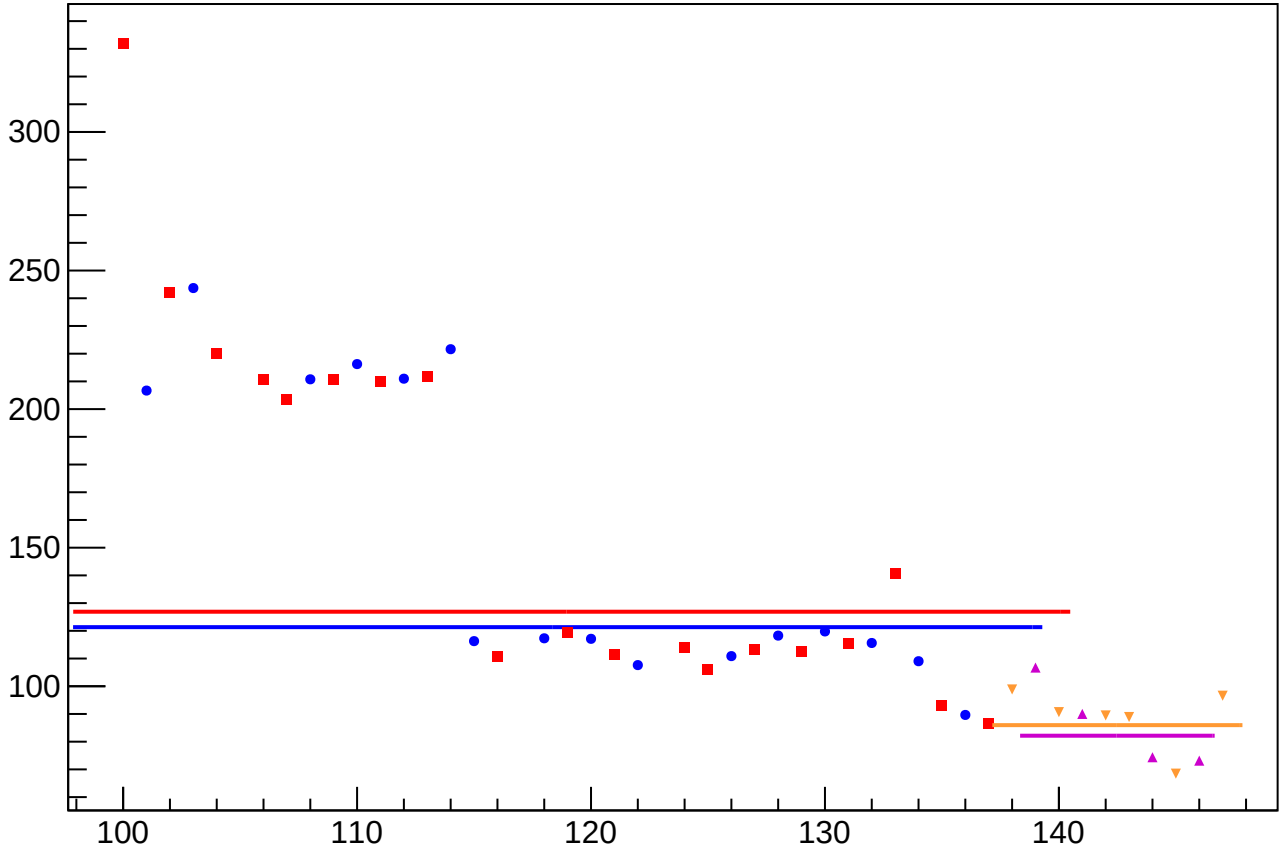
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 82.064+/-32.590 χ^2/NDF:17.1/19

Out: 78.846+/-31.596 χ^2/NDF:20.2/24

All: 80.405+/-22.685 χ^2/NDF: 37.2/44

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.967+/-0.029 χ^2/NDF:155321.2/5

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

Left: 84.218+/-0.021 χ^2/NDF: 311232.8/9

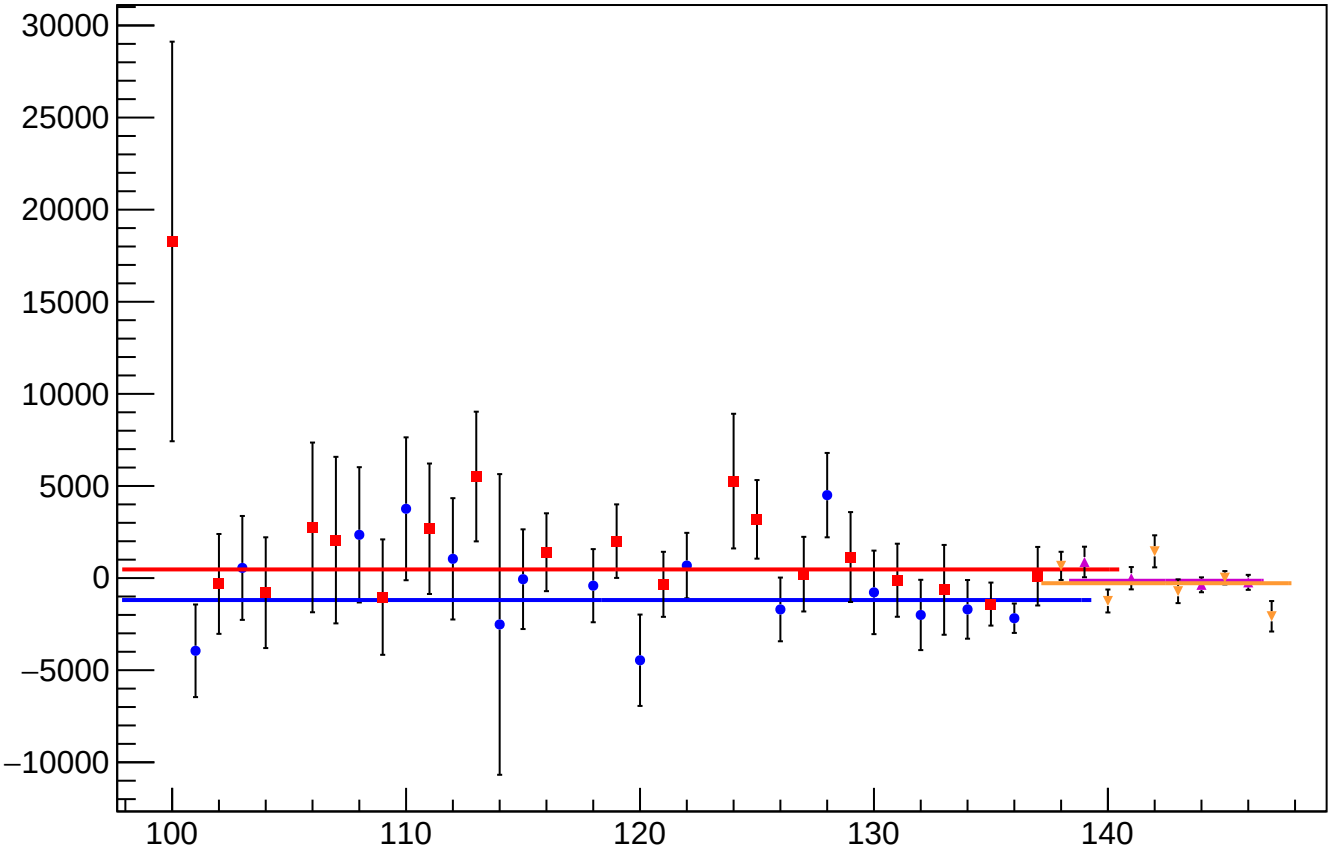
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 100.493+/-0.023 χ^2/NDF:2154054.3/19

Out: 102.757+/-0.022 χ^2/NDF:2432738.7/24

All: 101.660+/-0.016 χ^2/NDF: 4591766.2/44

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -278.729+/-241.833 χ^2/NDF:13.7/5

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -145.843+/-247.526 χ^2/NDF:1.9/3

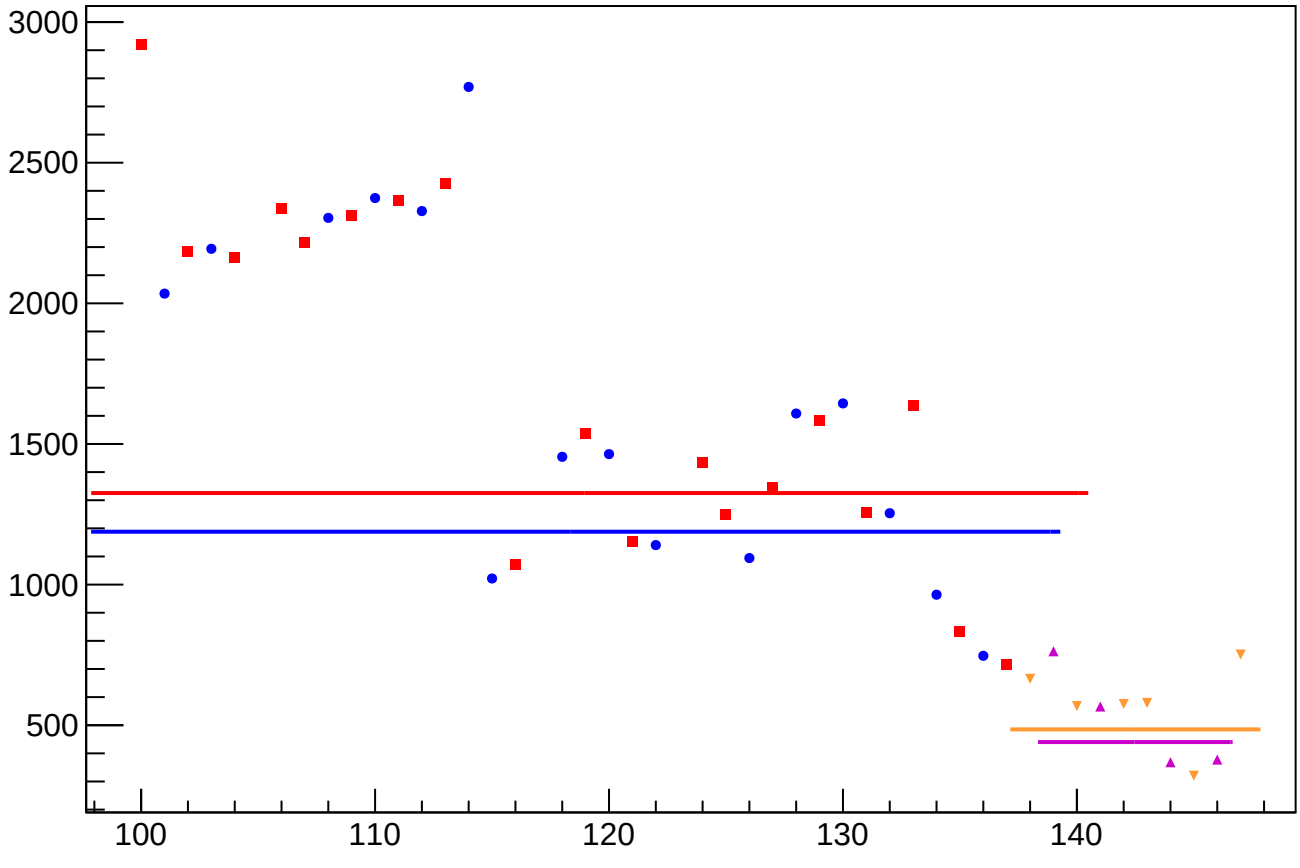
Left: -213.832+/-172.979 χ^2/NDF: 15.8/9

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -366.424+/-219.891 χ^2/NDF:21.6/19

Out: -146.558+/-219.444 χ^2/NDF:28.8/24

All: -256.267+/-155.328 χ^2/NDF: 50.9/44



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 485.178+/-0.171 χ^2/NDF:830876.2/5

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 440.183+/-0.175 χ^2/NDF:498902.7/3

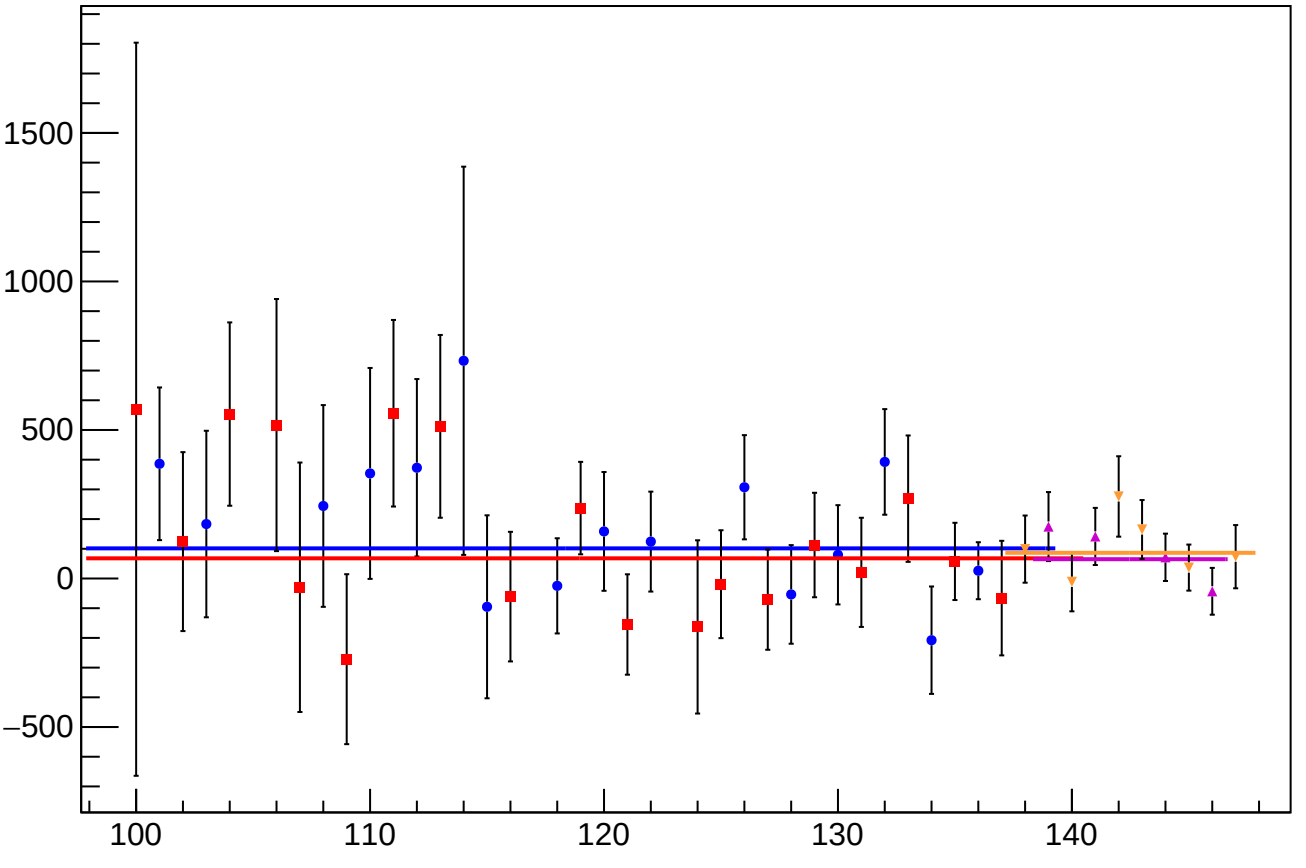
Left: 463.204+/-0.122 χ^2/NDF: 1363590.3/9

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 597.852+/-0.155 χ^2/NDF:6392778.3/19

Out: 633.582+/-0.155 χ^2/NDF:7016921.1/24

All: 615.754+/-0.110 χ^2/NDF: 13436154.9/44



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 86.473+/-41.143 χ^2/NDF:4.0/5

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 65.002+/-44.688 χ^2/NDF:3.4/3

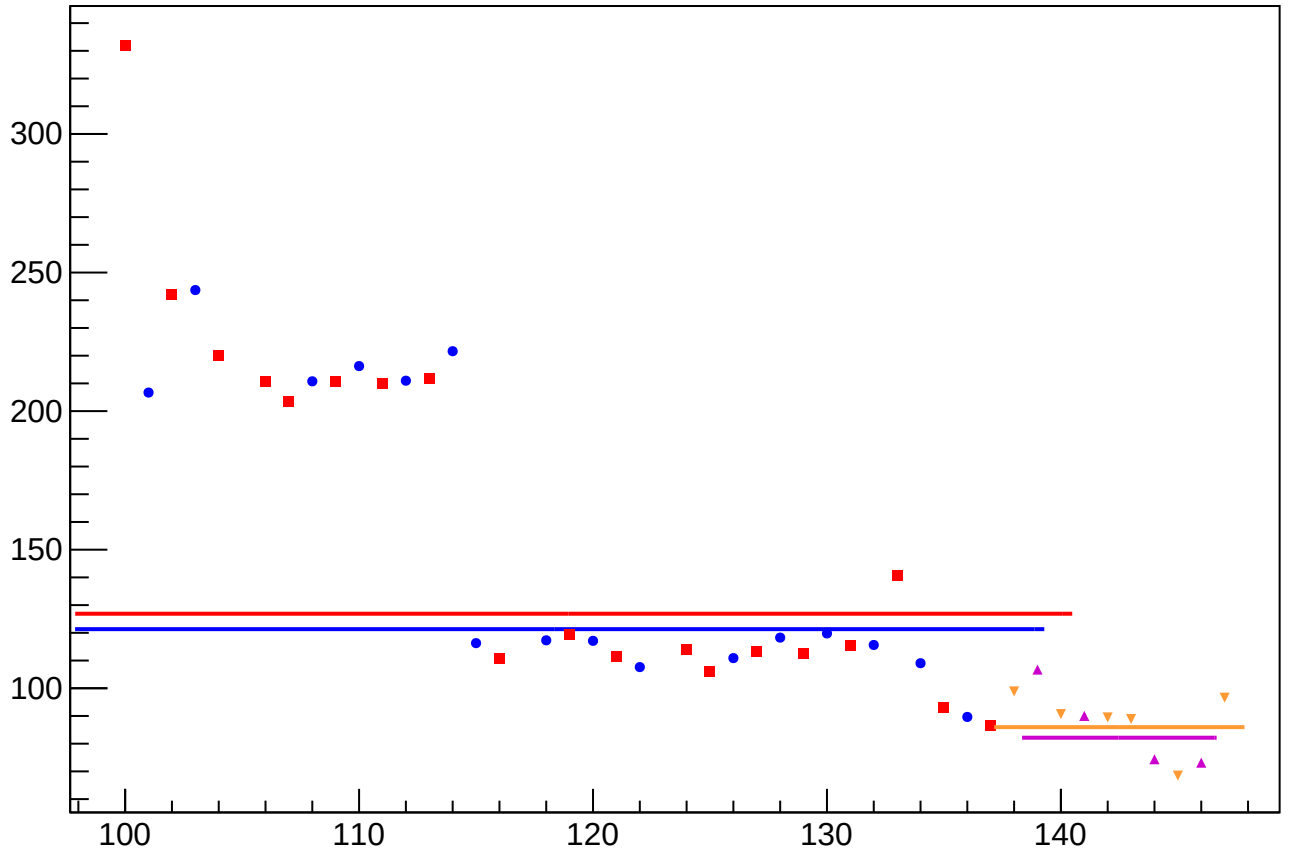
Left: 76.623+/-30.268 χ^2/NDF: 7.5/9

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 82.064+/-32.590 χ^2/NDF:17.1/19

Out: 78.846+/-31.596 χ^2/NDF:20.2/24

All: 80.405+/-22.685 χ^2/NDF: 37.2/44



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 85.967+/-0.029 χ^2/NDF:155321.2/5

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 82.155+/-0.032 χ^2/NDF:148037.5/3

Left: 84.218+/-0.021 χ^2/NDF: 311232.8/9

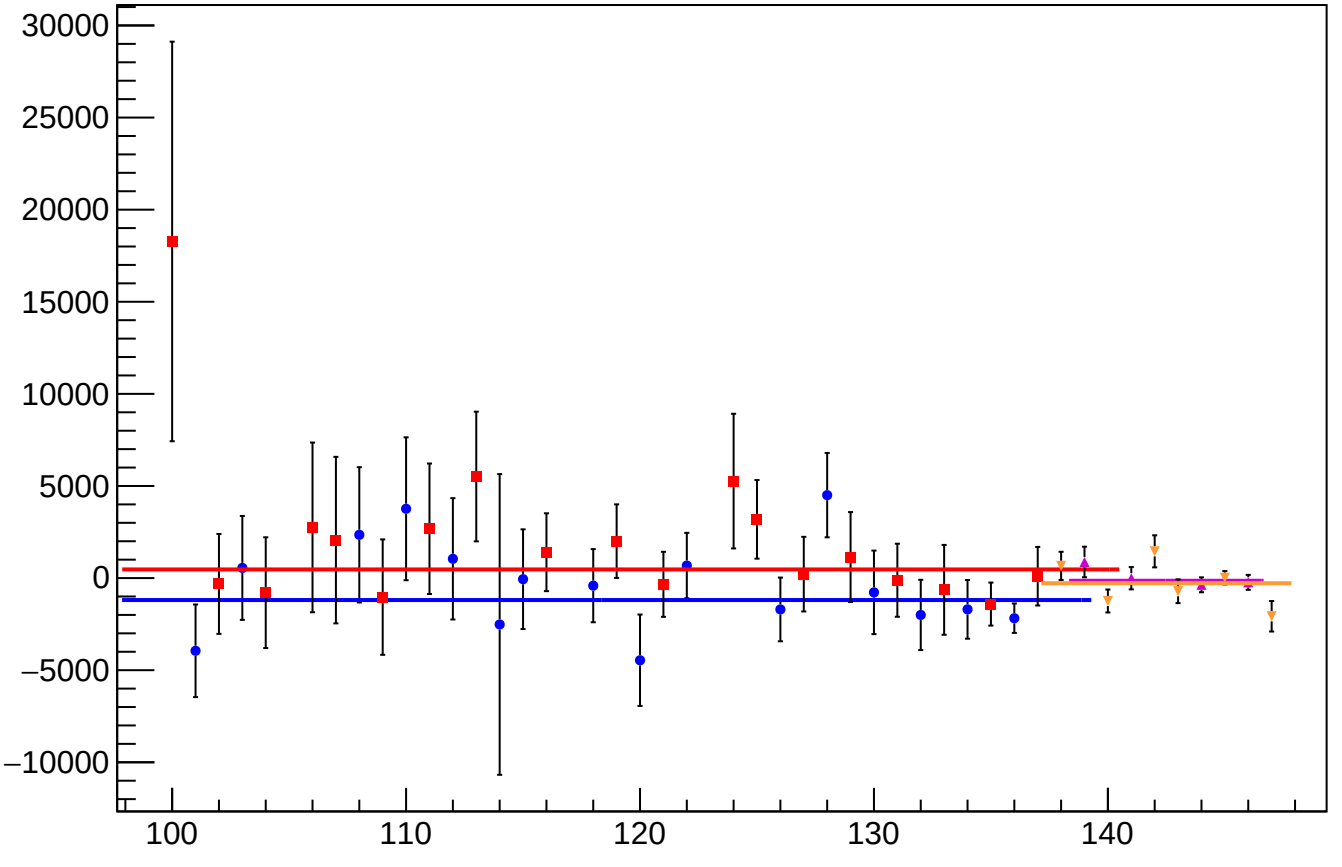
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 100.493+/-0.023 χ^2/NDF:2154054.3/19

Out: 102.757+/-0.022 χ^2/NDF:2432738.7/24

All: 101.660+/-0.016 χ^2/NDF: 4591766.2/44

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: -278.729+/-241.833 χ^2/NDF:13.7/5

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -145.843+/-247.526 χ^2/NDF:1.9/3

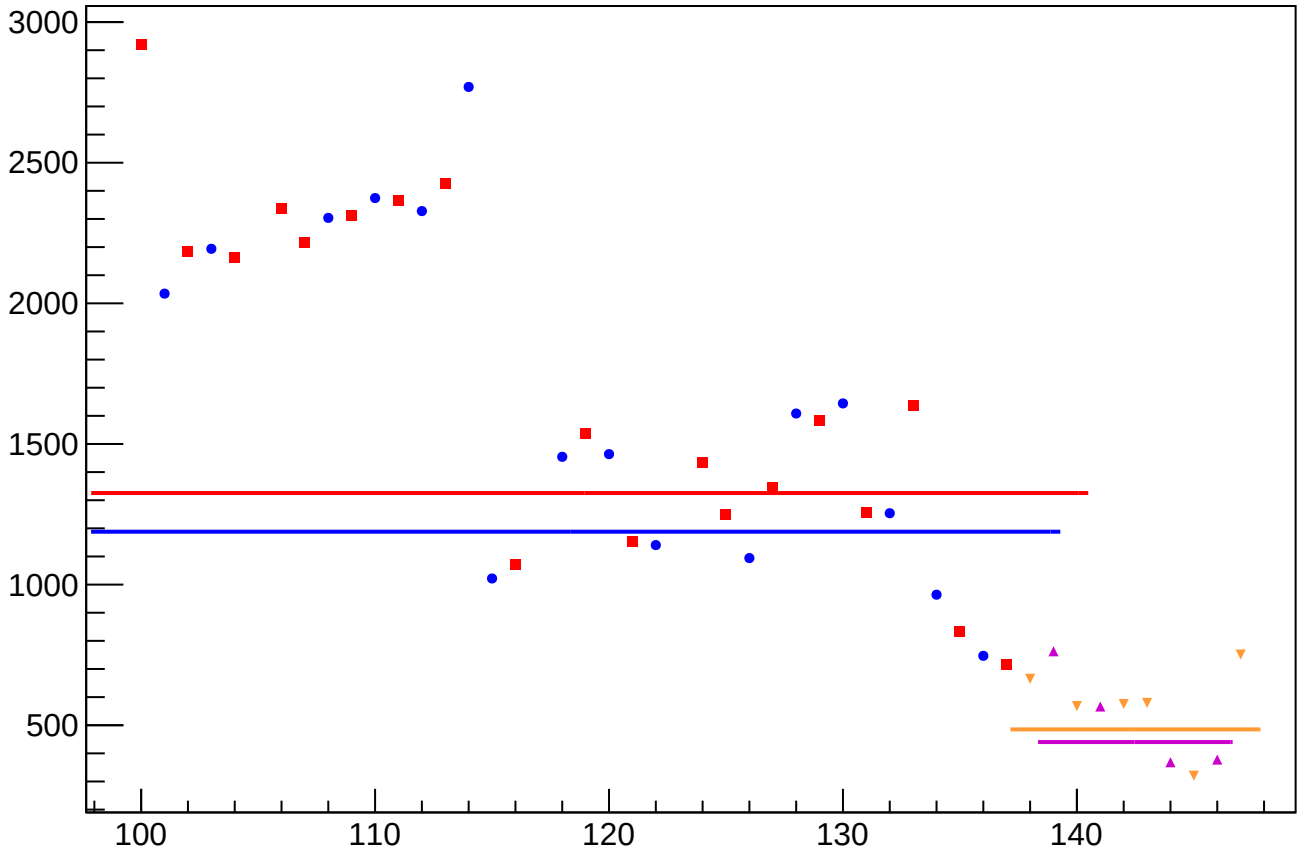
Left: -213.832+/-172.979 χ^2/NDF: 15.8/9

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -366.424+/-219.891 χ^2/NDF:21.6/19

Out: -146.558+/-219.444 χ^2/NDF:28.8/24

All: -256.267+/-155.328 χ^2/NDF: 50.9/44



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 485.178+/-0.171 χ^2/NDF:830876.2/5

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 440.183+/-0.175 χ^2/NDF:498902.7/3

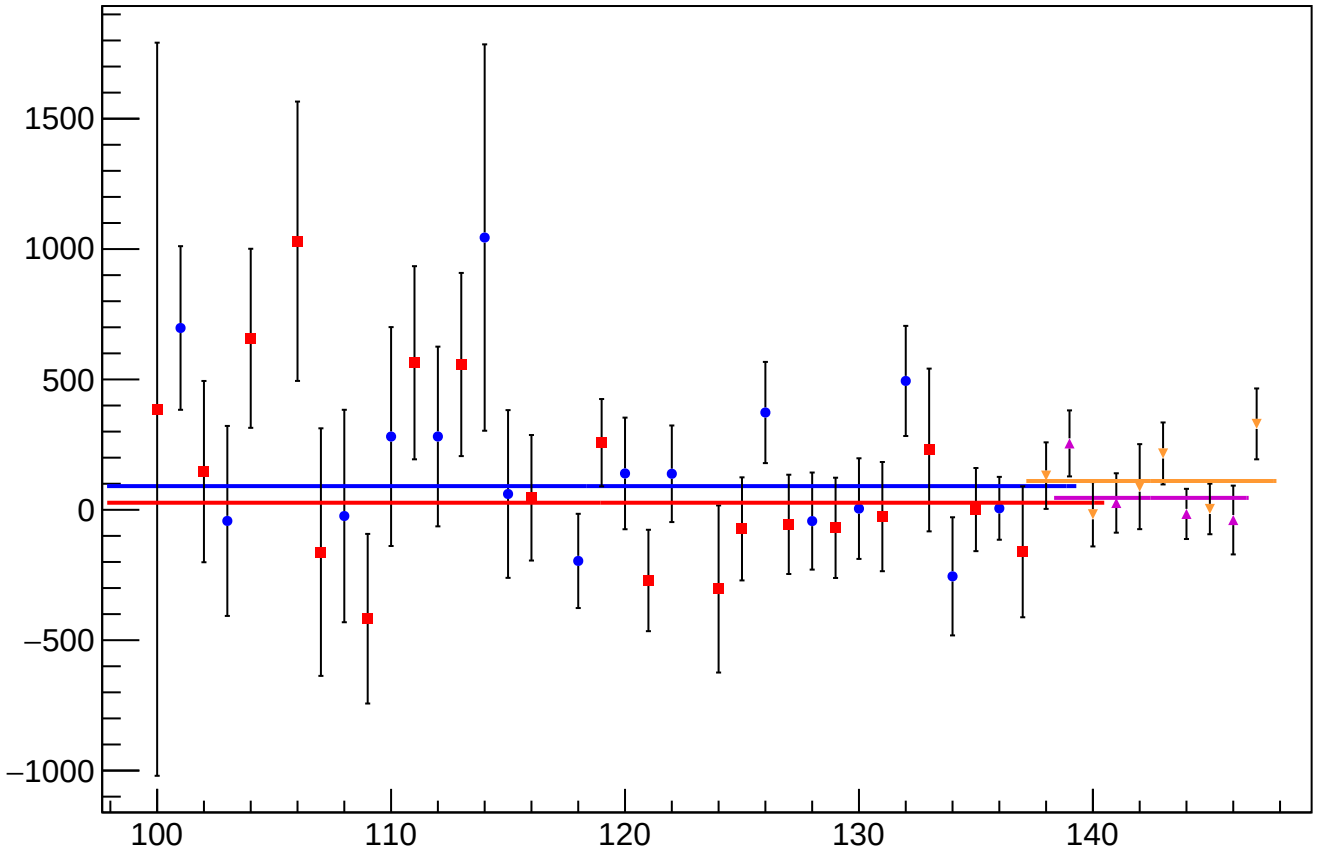
Left: 463.204+/-0.122 χ^2/NDF: 1363590.3/9

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 597.852+/-0.155 χ^2/NDF:6392778.3/19

Out: 633.582+/-0.155 χ^2/NDF:7016921.1/24

All: 615.754+/-0.110 χ^2/NDF: 13436154.9/44



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 110.553+/-50.253 χ^2/NDF:5.7/5

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 45.788+/-57.266 χ^2/NDF:3.6/3

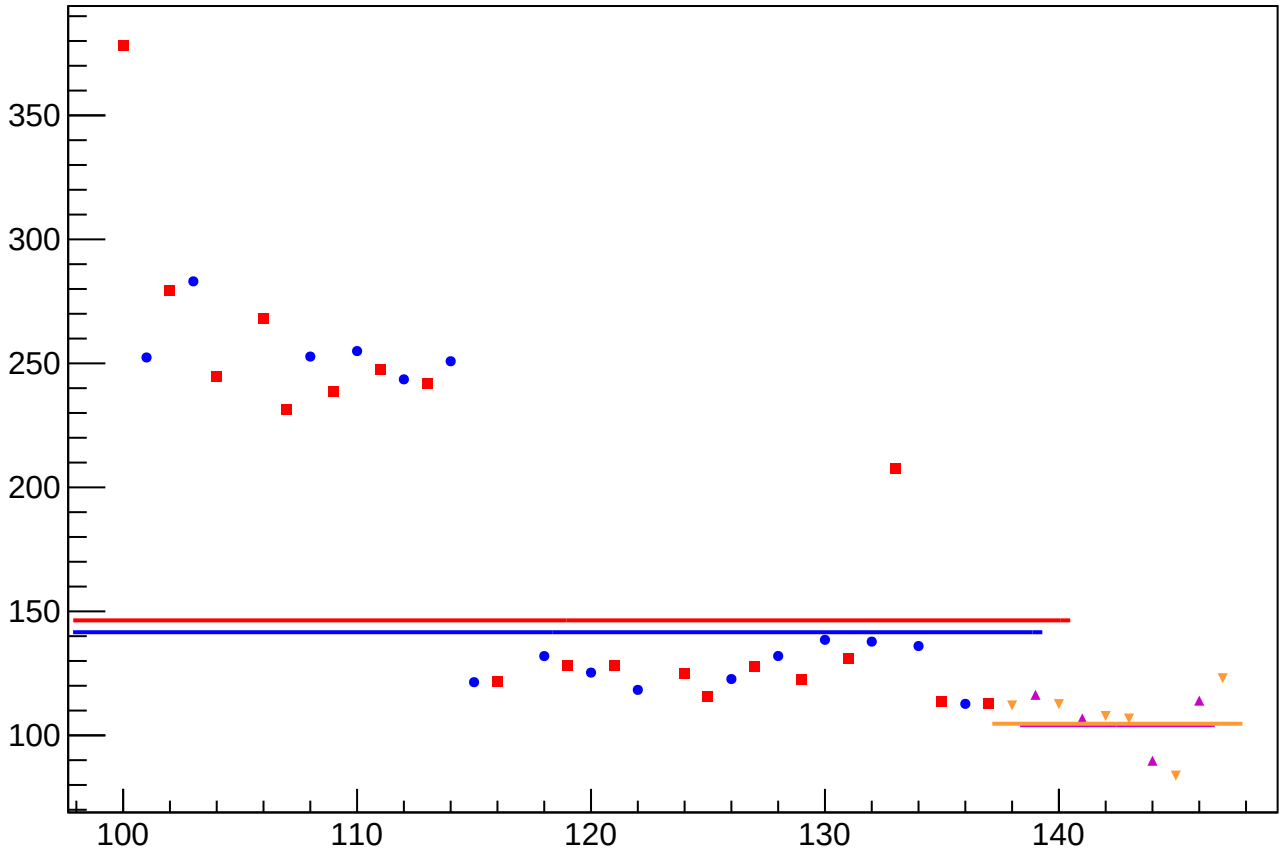
Left: 82.377+/-37.772 χ^2/NDF: 10.0/9

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 69.028+/-39.878 χ^2/NDF:22.0/19

Out: 74.097+/-37.699 χ^2/NDF:27.5/24

All: 71.705+/-27.395 χ^2/NDF: 49.5/44



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 104.692+/-0.036 χ^2/NDF:145734.0/5

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 104.089+/-0.040 χ^2/NDF:75492.2/3

Left: 104.430+/-0.027 χ^2/NDF: 221351.5/9

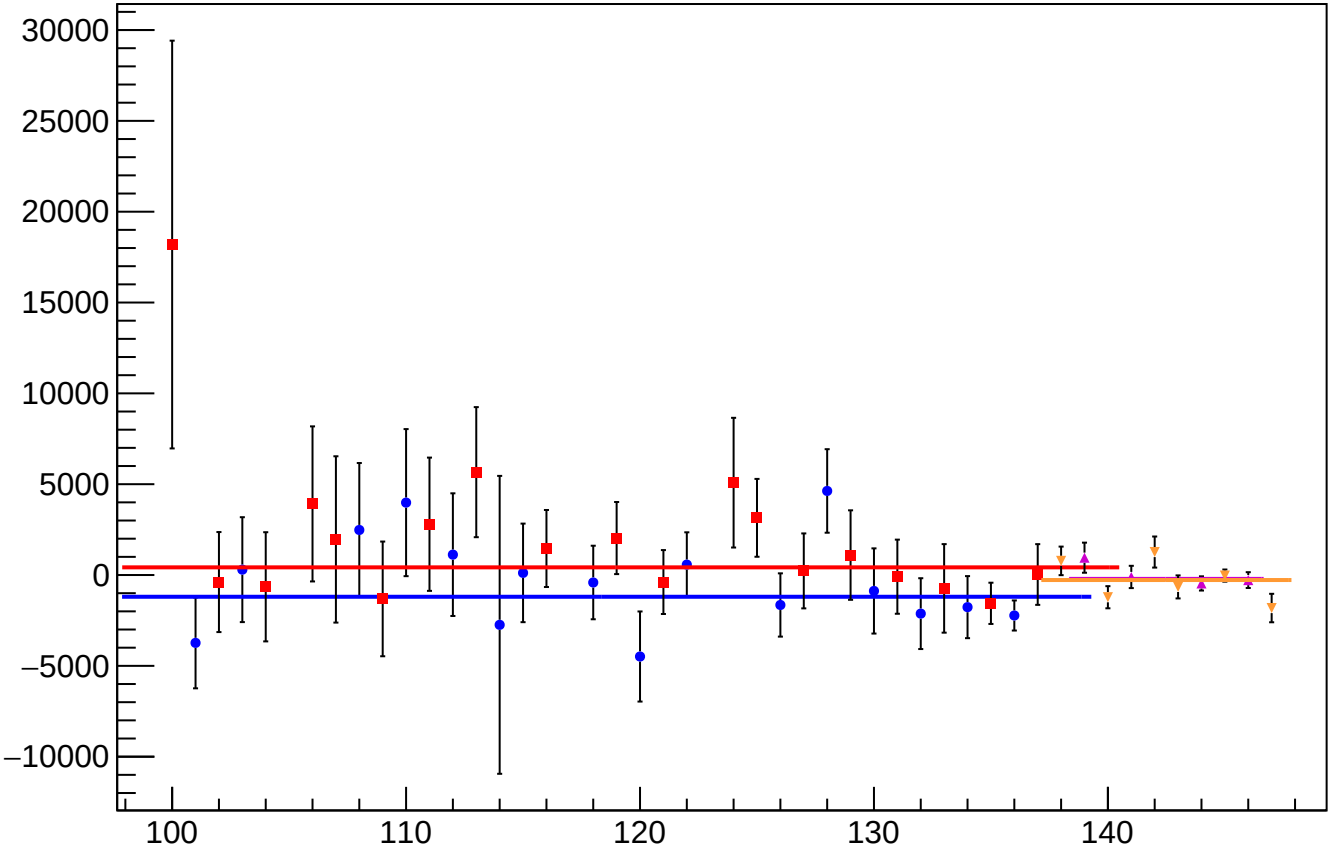
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 123.403+/-0.028 χ^2/NDF:1779534.1/19

Out: 122.913+/-0.027 χ^2/NDF:2260810.5/24

All: 123.144+/-0.019 χ^2/NDF: 4040504.0/44

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -275.695+/-230.854 χ^2/NDF:12.2/5

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: -212.932+/-250.467 χ^2/NDF:2.5/3

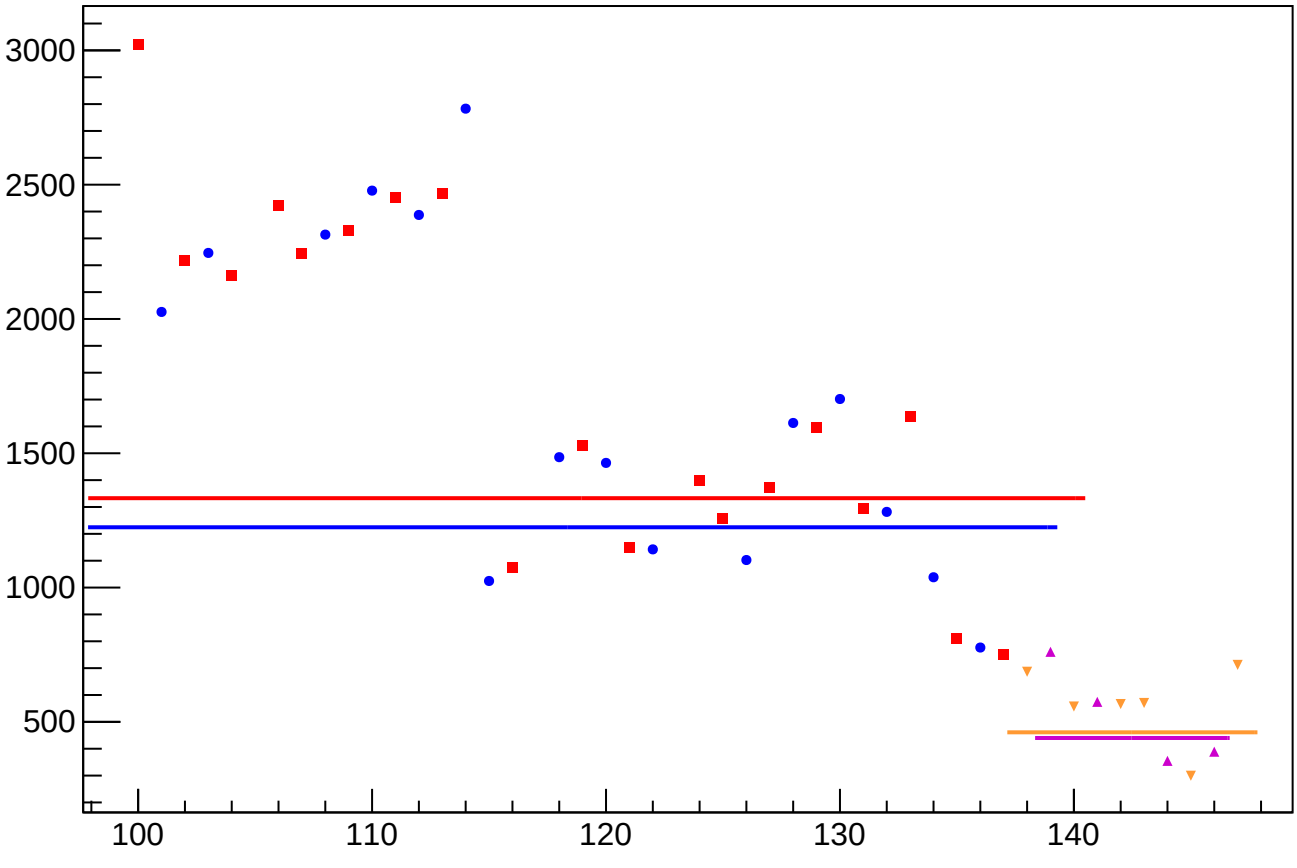
Left: -246.867+/-169.750 χ^2/NDF: 14.7/9

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -415.808+/-223.151 χ^2/NDF:21.6/19

Out: -162.202+/-211.250 χ^2/NDF:28.0/24

All: -282.062+/-153.411 χ^2/NDF: 50.3/44



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 461.078+/-0.163 χ^2/NDF:977869.5/5

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 439.968+/-0.177 χ^2/NDF:519028.0/3

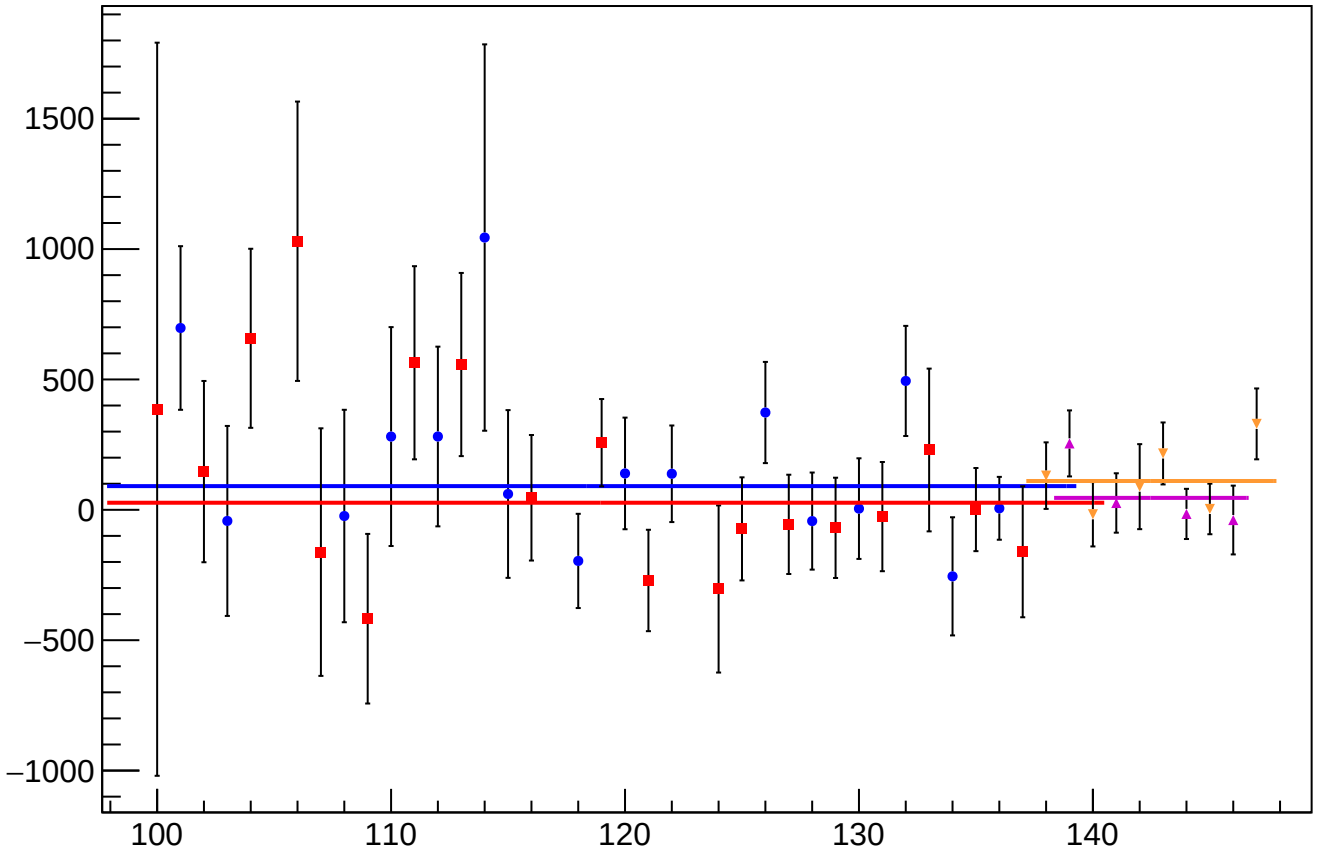
Left: 451.382+/-0.120 χ^2/NDF: 1504579.5/9

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 601.757+/-0.158 χ^2/NDF:6524806.1/19

Out: 602.846+/-0.149 χ^2/NDF:7610347.1/24

All: 602.331+/-0.108 χ^2/NDF: 14135178.3/44



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 110.551+/-50.253 χ^2/NDF:5.7/5

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 45.788+/-57.267 χ^2/NDF:3.6/3

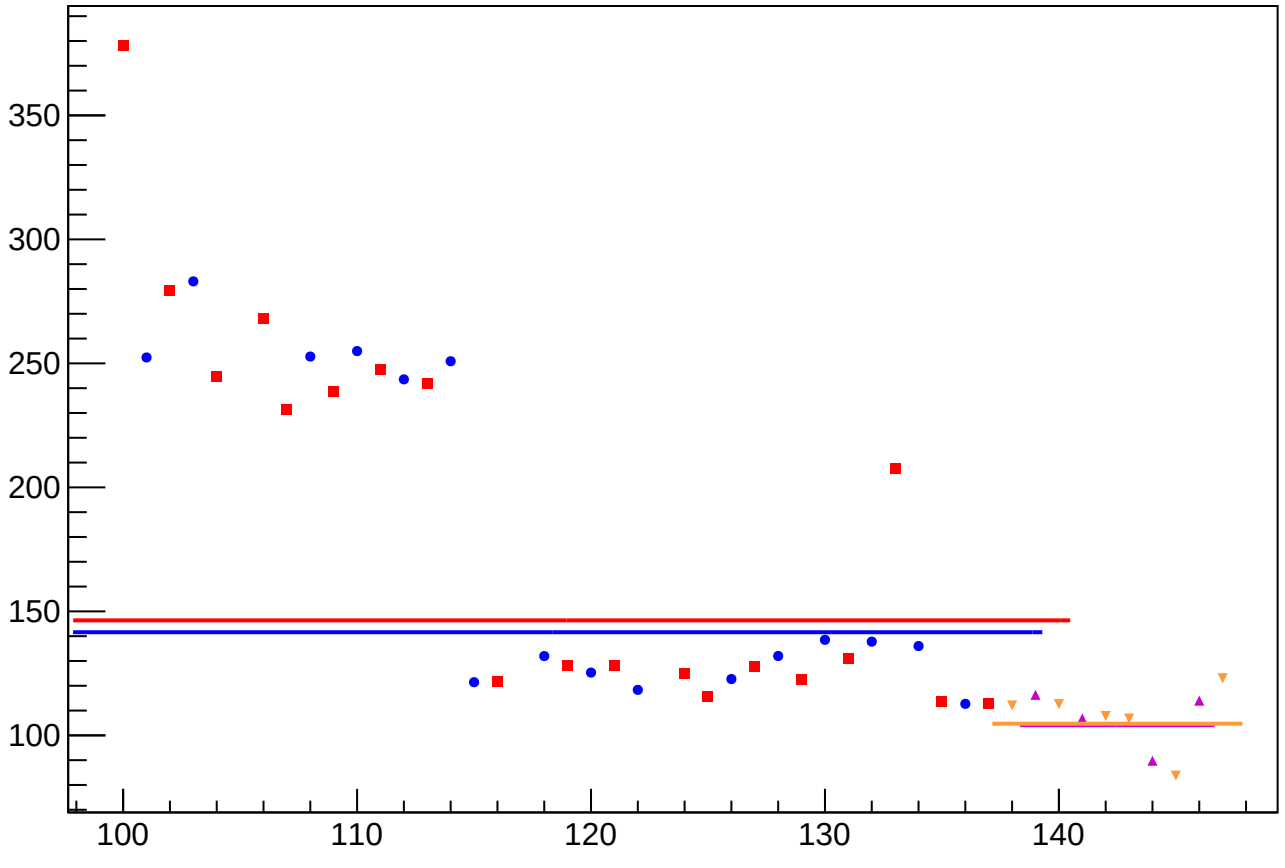
Left: 82.376+/-37.772 χ^2/NDF: 10.0/9

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

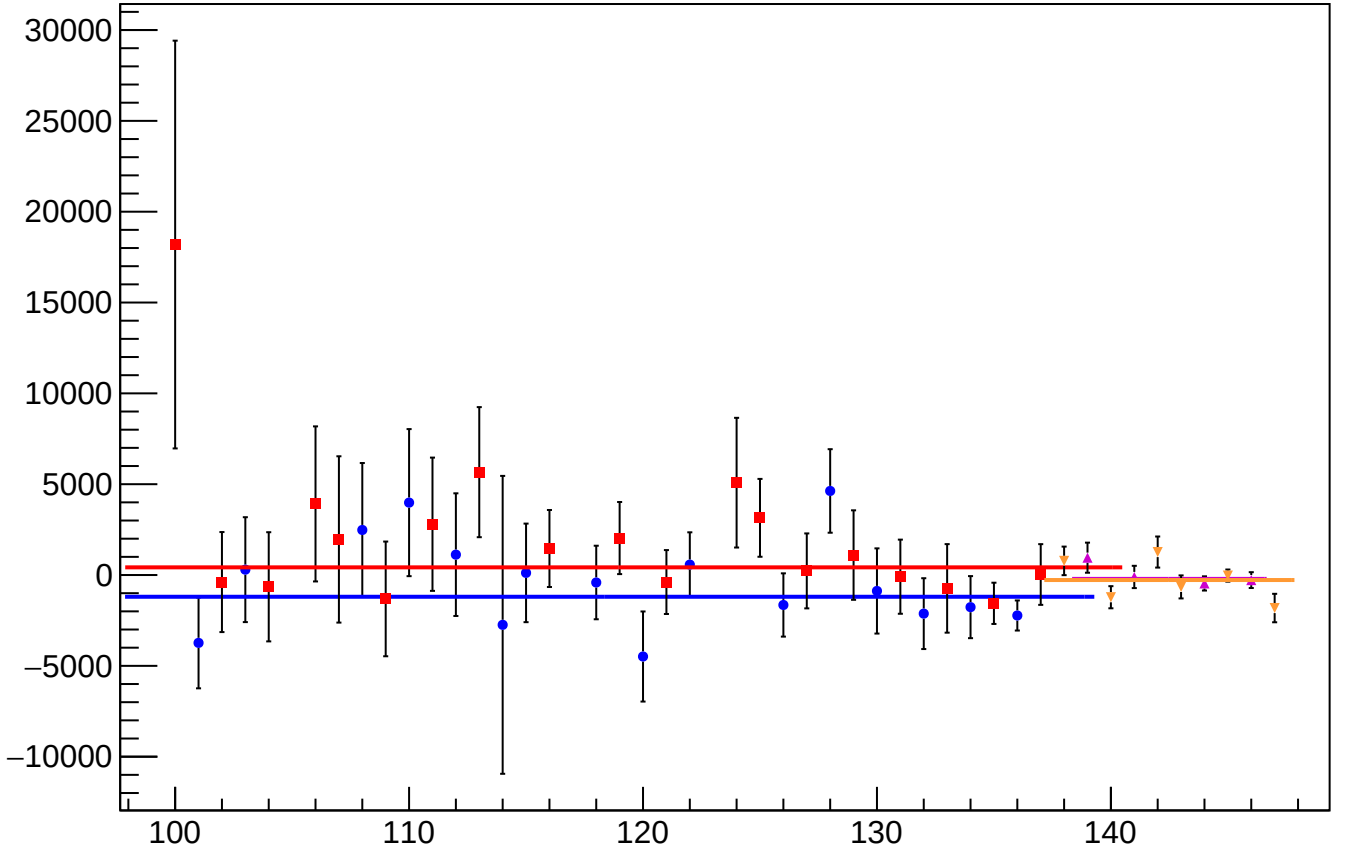
In: 69.030+/-39.878 χ^2/NDF:22.0/19

Out: 74.096+/-37.699 χ^2/NDF:27.5/24

All: 71.705+/-27.395 χ^2/NDF: 49.5/44


eigen_dit_asym_sam_26_avg_rms vs Slug, Sign Corrected
350
300
250
200
150
100
100
110
120
130
140
Right In: 141.586+/-0.039 χ²/NDF: 1262350.2/15
Left Out: 104.693+/-0.036 χ²/NDF:145724.9/5
Right Out: 146.368+/-0.040 χ²/NDF: 1513641.5/18
Left In: 104.090+/-0.040 χ²/NDF:75489.1/3
Left: 104.430+/-0.027 χ²/NDF: 221339.2/9
Right: 143.915+/-0.028 χ²/NDF: 2783209.2/34
In: 123.403+/-0.028 χ²/NDF:1779486.5/19
Out: 122.913+/-0.027 χ²/NDF:2260760.7/24
All: 123.145+/-0.019 χ²/NDF: 4040406.4/44

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: -275.695+/-230.853 χ^2/NDF:12.2/5

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -212.931+/-250.467 χ^2/NDF:2.5/3

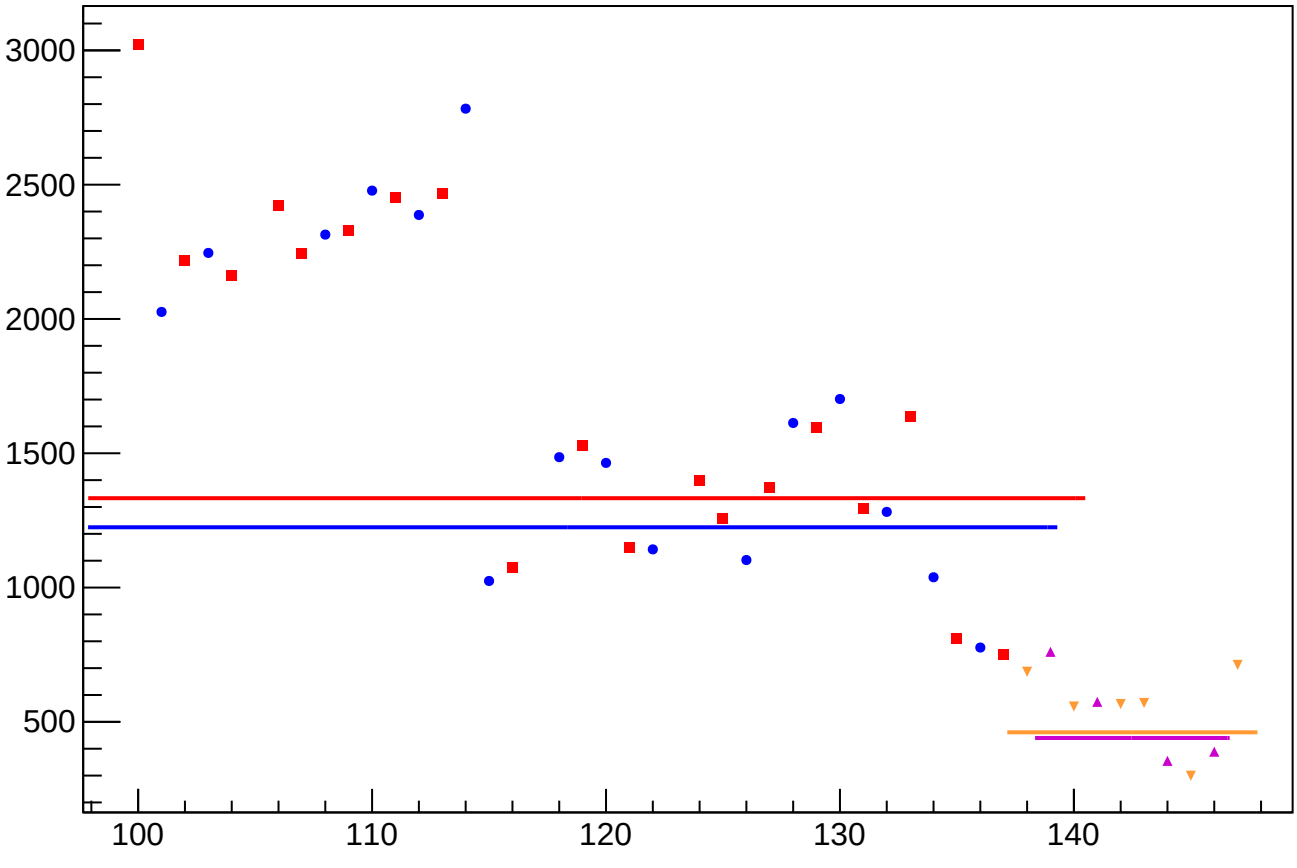
Left: -246.866+/-169.749 χ^2/NDF: 14.7/9

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

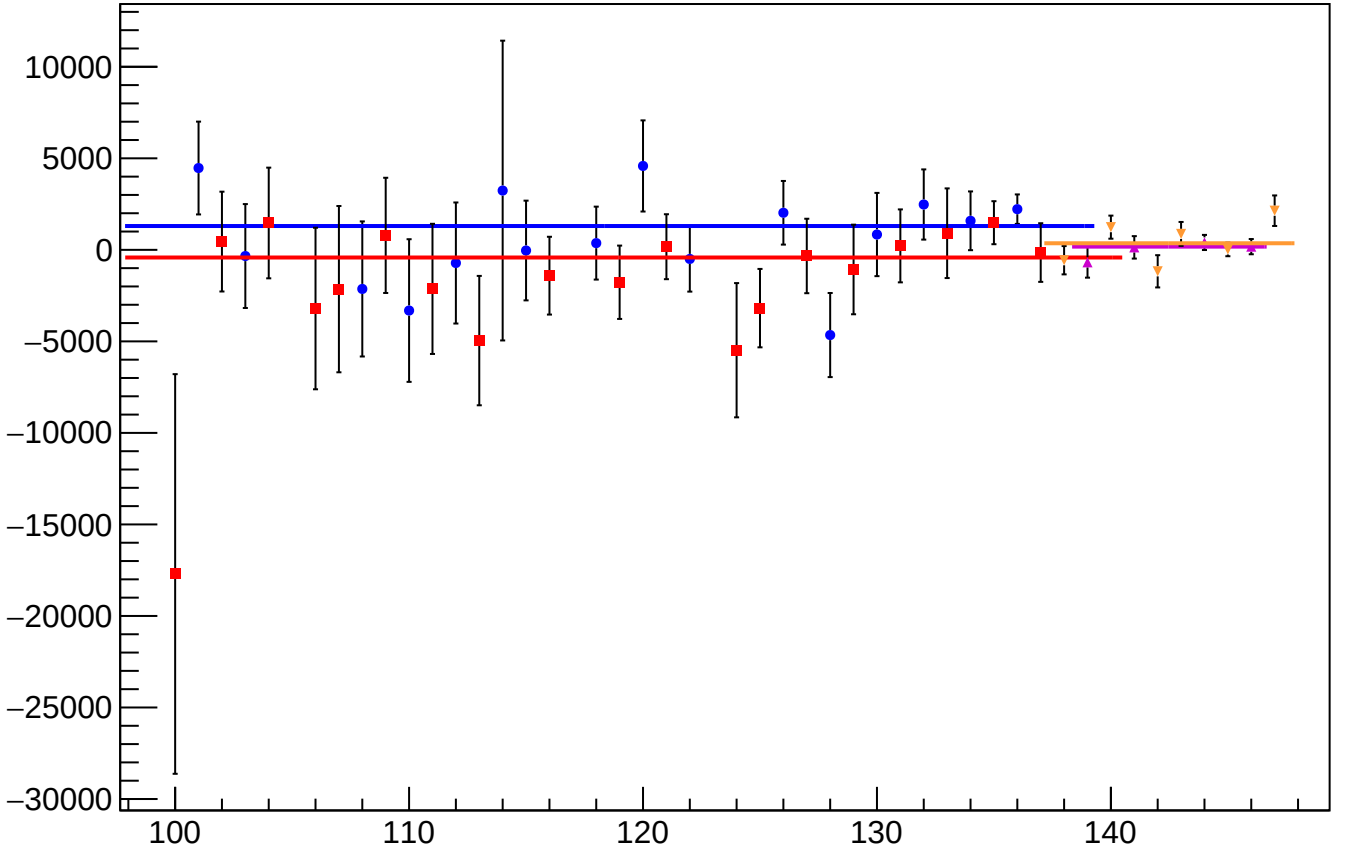
In: -415.806+/-223.150 χ^2/NDF:21.6/19

Out: -162.202+/-211.249 χ^2/NDF:28.0/24

All: -282.061+/-153.410 χ^2/NDF: 50.3/44


asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 461.076+/-0.163 χ²/NDF:977893.0/5
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 439.966+/-0.177 χ²/NDF:519030.8/3
Left: 451.380+/-0.120 χ²/NDF: 1504604.9/9
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 601.755+/-0.158 χ²/NDF:6524809.9/19
Out: 602.842+/-0.149 χ²/NDF:7610389.9/24
All: 602.328+/-0.108 χ²/NDF: 14135224.8/44

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 359.804+/-245.987 χ^2/NDF:12.4/5

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 176.127+/-252.265 χ^2/NDF:1.4/3

Left: 270.280+/-176.117 χ^2/NDF: 14.0/9

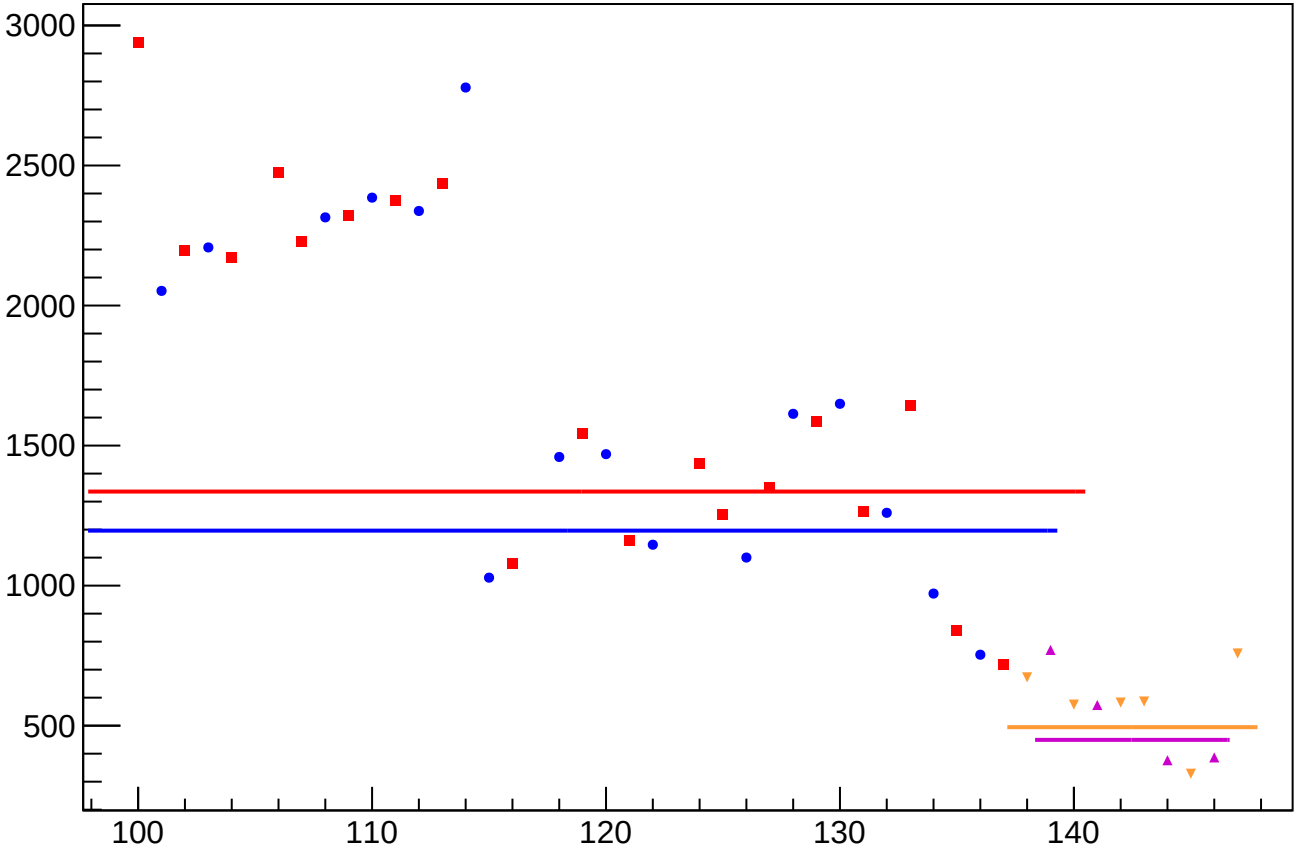
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 418.163+/-223.500 χ^2/NDF:22.1/19

Out: 219.524+/-222.711 χ^2/NDF:27.2/24

All: 318.493+/-157.759 χ^2/NDF: 49.7/44

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 494.563+/-0.174 χ^2/NDF:798104.3/5

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 449.315+/-0.178 χ^2/NDF:483193.8/3

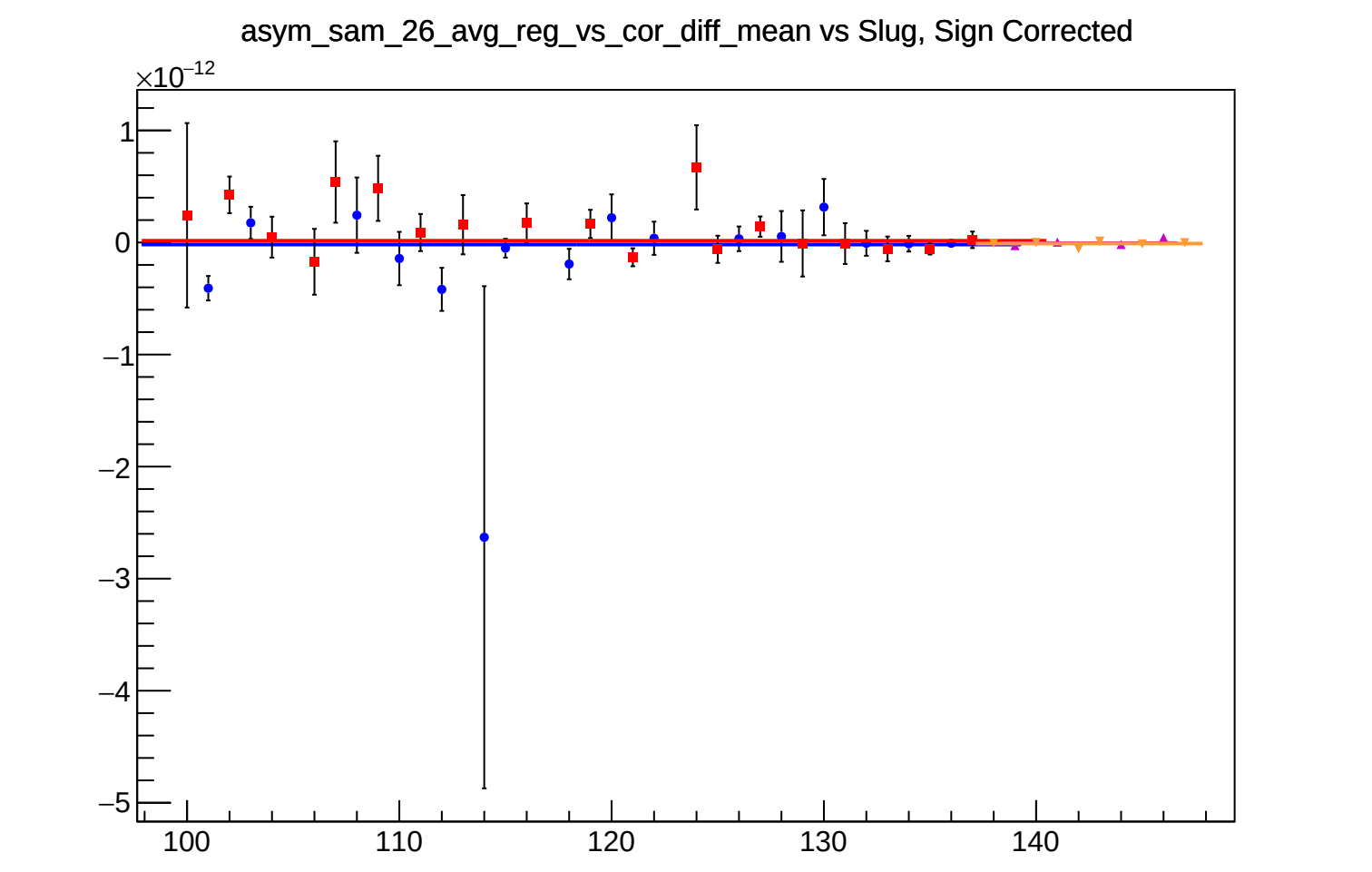
Left: 472.509+/-0.125 χ^2/NDF: 1314281.6/9

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 609.964+/-0.158 χ^2/NDF:6286619.5/19

Out: 646.230+/-0.157 χ^2/NDF:6966743.4/24

All: 628.161+/-0.112 χ^2/NDF: 13279785.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/3

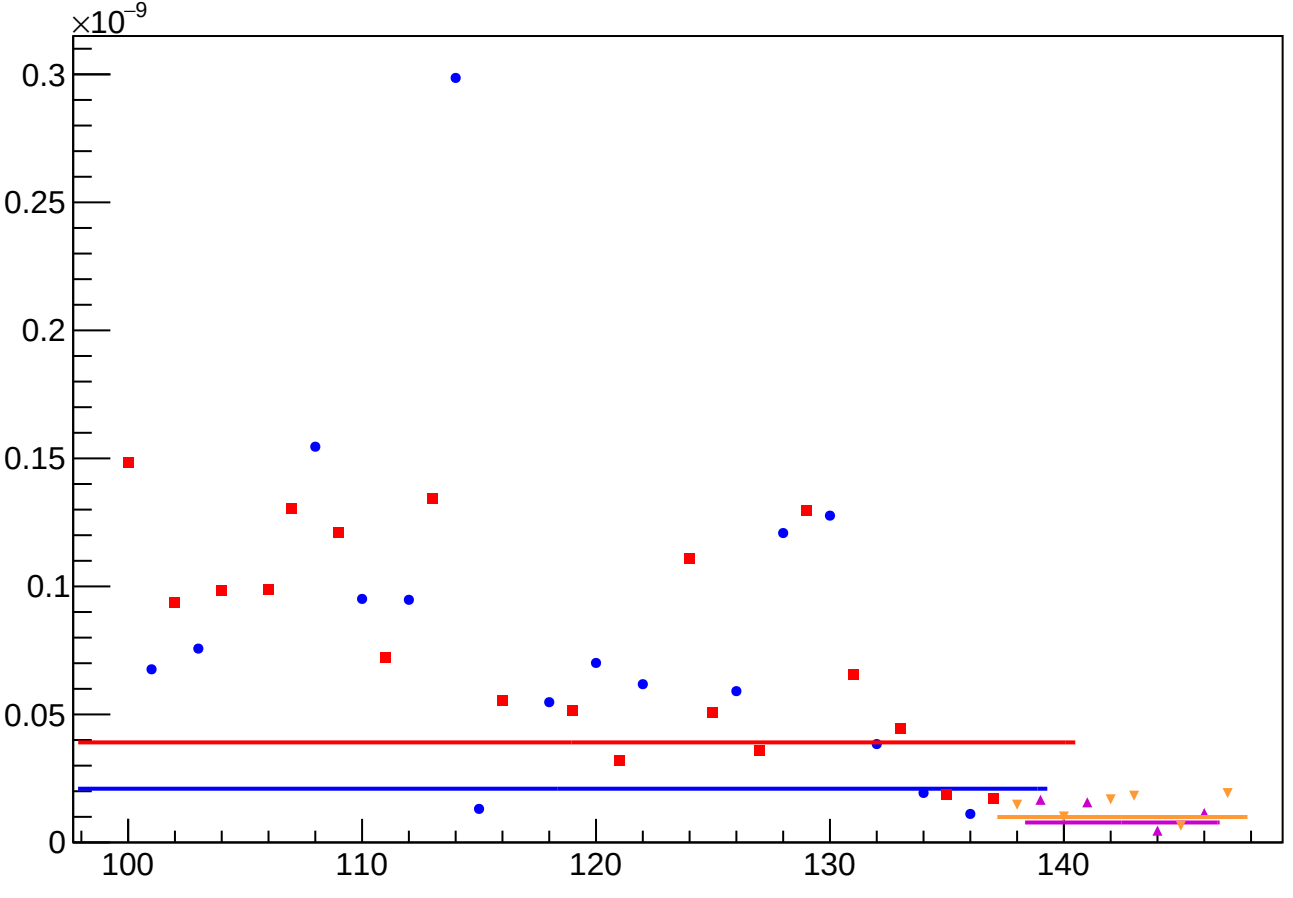
Left: -0.000+/-0.000 χ^2/NDF: 12.4/9

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:36.8/19

Out: -0.000+/-0.000 χ^2/NDF:29.1/24

All: -0.000+/-0.000 χ^2/NDF: 65.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:649019.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:706238.9/3

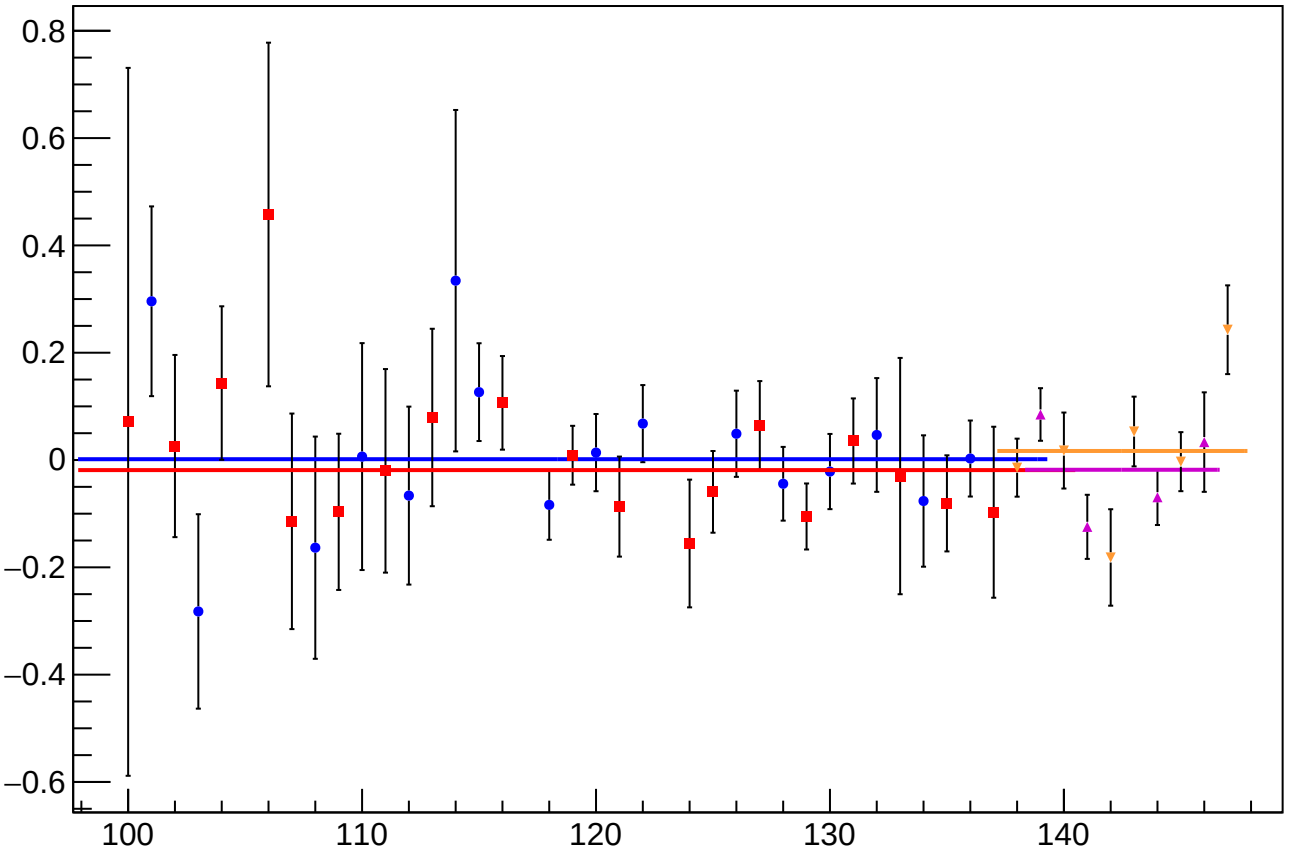
Left: 0.000+/-0.000 χ^2/NDF: 1430287.9/9

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5010638.4/19

Out: 0.000+/-0.000 χ^2/NDF:4788943.2/24

All: 0.000+/-0.000 χ^2/NDF: 9892897.1/44



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.018+/-0.029 χ^2/NDF:8.9/3

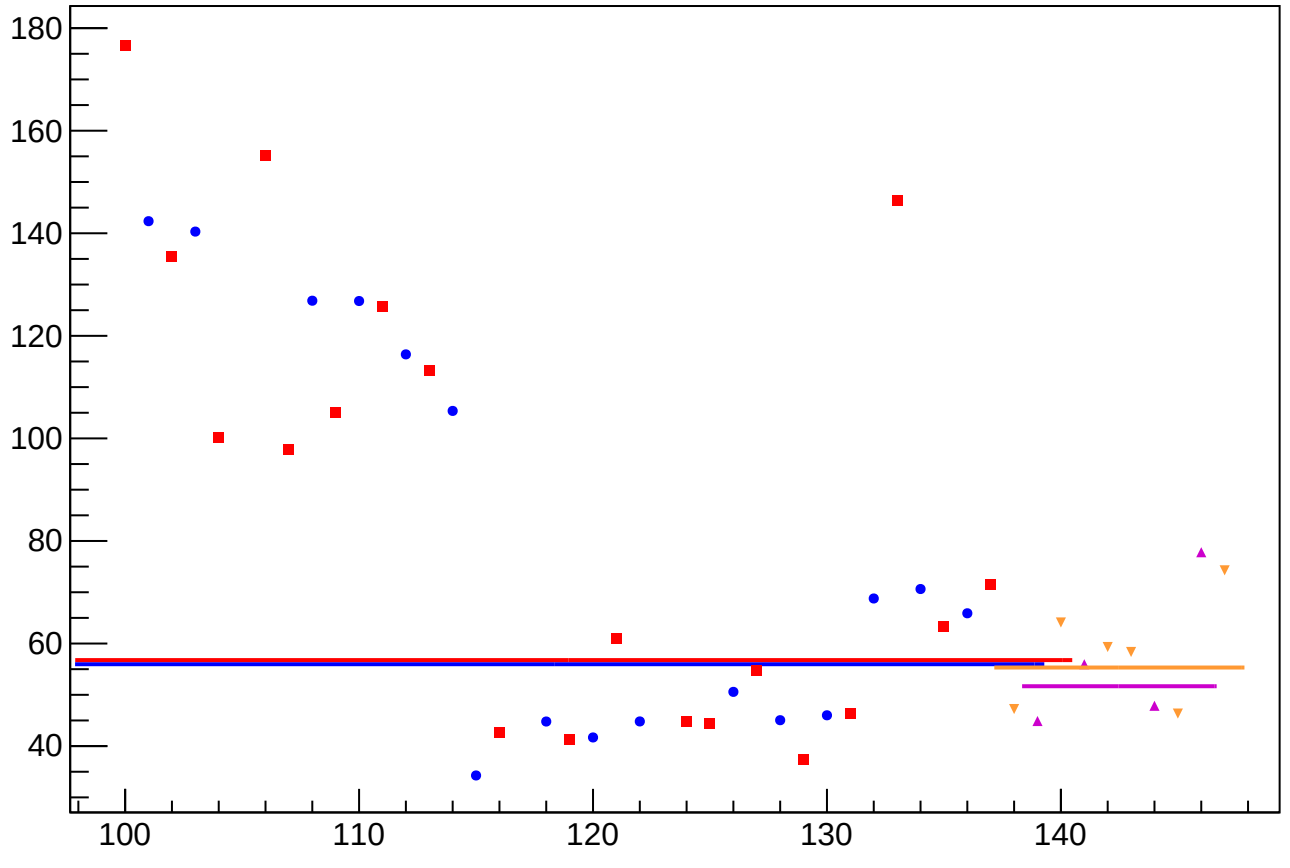
Left: 0.001+/-0.020 χ^2/NDF: 22.8/9

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.018 χ^2/NDF:22.2/19

Out: -0.003+/-0.018 χ^2/NDF:27.2/24

All: -0.005+/-0.013 χ^2/NDF: 49.4/44



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.322+/-0.019 χ^2/NDF:242213.6/5

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 51.673+/-0.021 χ^2/NDF:218229.3/3

Left: 53.635+/-0.014 χ^2/NDF: 477411.1/9

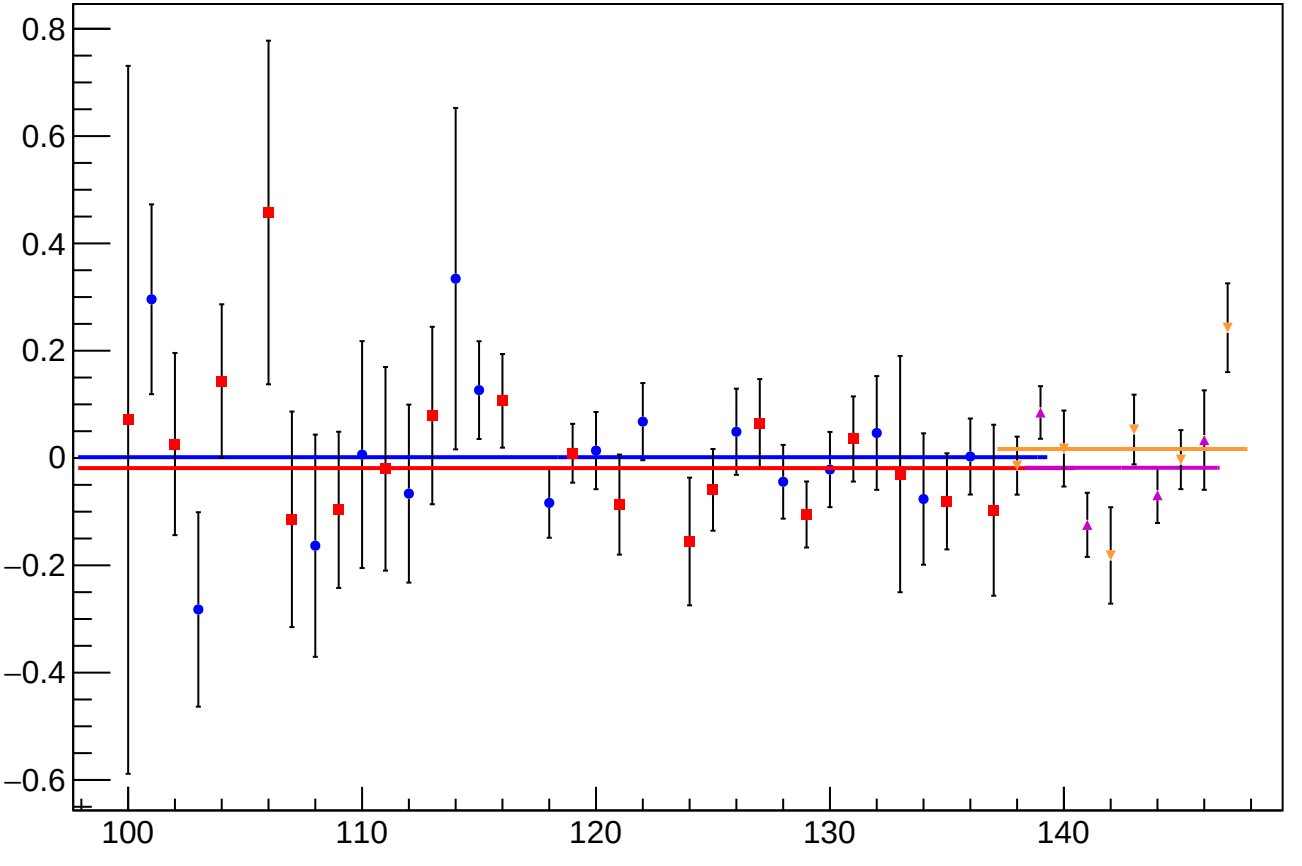
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.276+/-0.013 χ^2/NDF:2424561.2/19

Out: 56.144+/-0.013 χ^2/NDF:2798720.1/24

All: 55.237+/-0.009 χ^2/NDF: 5234074.1/44

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: 0.017+/-0.027 χ^2/NDF:13.1/5

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.018+/-0.029 χ^2/NDF:8.9/3

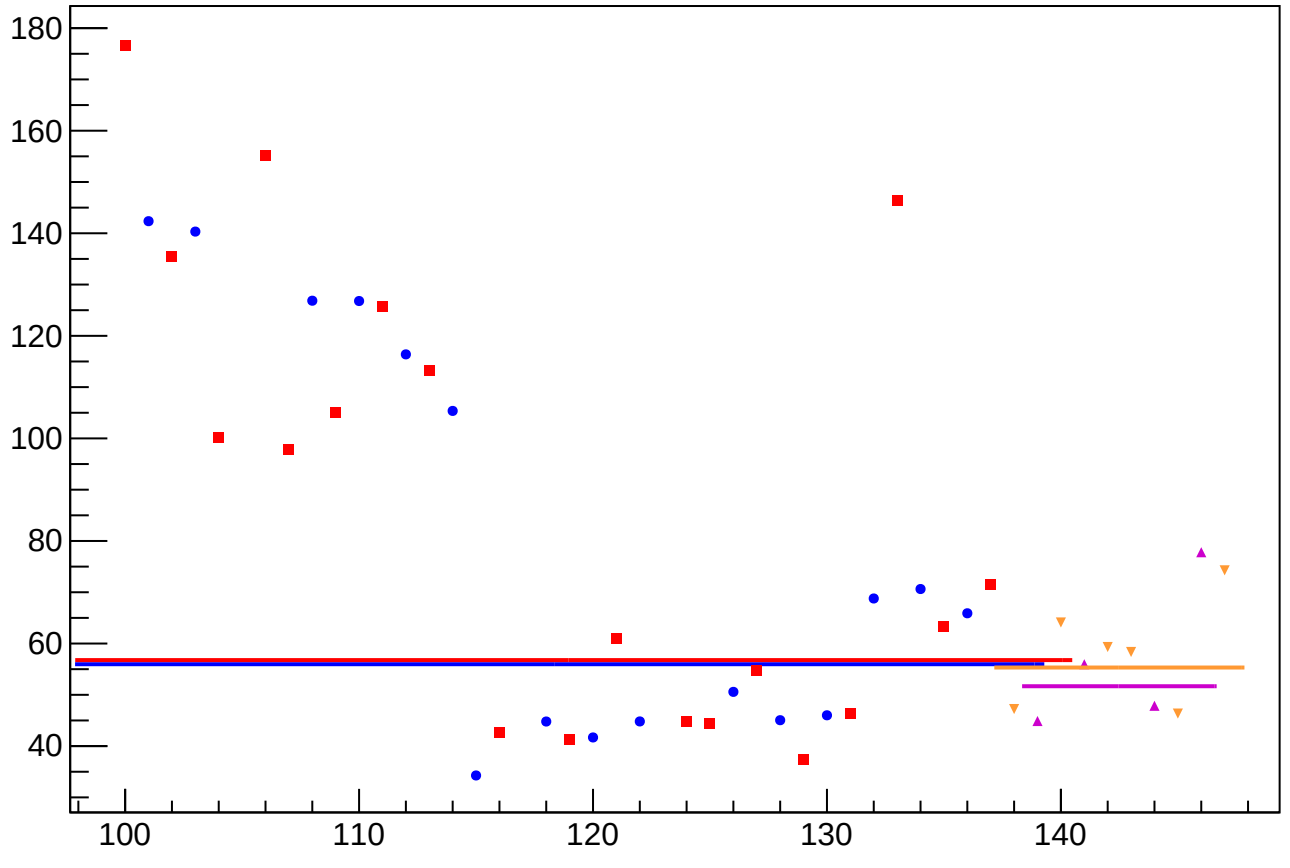
Left: 0.001+/-0.020 χ^2/NDF: 22.8/9

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.018 χ^2/NDF:22.2/19

Out: -0.003+/-0.018 χ^2/NDF:27.2/24

All: -0.005+/-0.013 χ^2/NDF: 49.4/44



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 55.322+/-0.019 χ^2/NDF:242213.6/5

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 51.673+/-0.021 χ^2/NDF:218229.3/3

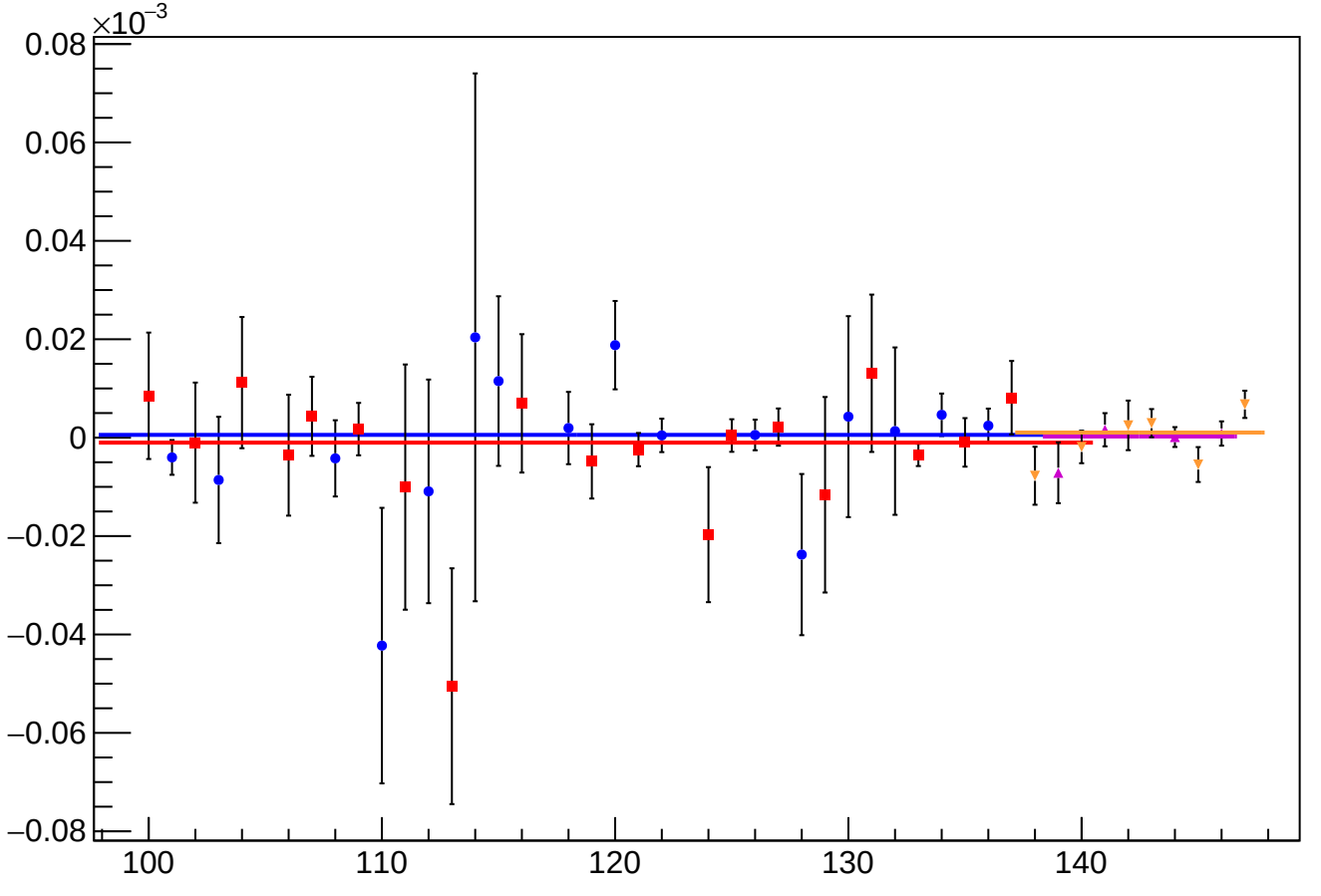
Left: 53.635+/-0.014 χ^2/NDF: 477411.1/9

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.276+/-0.013 χ^2/NDF:2424561.2/19

Out: 56.144+/-0.013 χ^2/NDF:2798720.1/24

All: 55.237+/-0.009 χ^2/NDF: 5234074.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

Left: 0.000+/-0.000 χ^2/NDF: 13.0/9

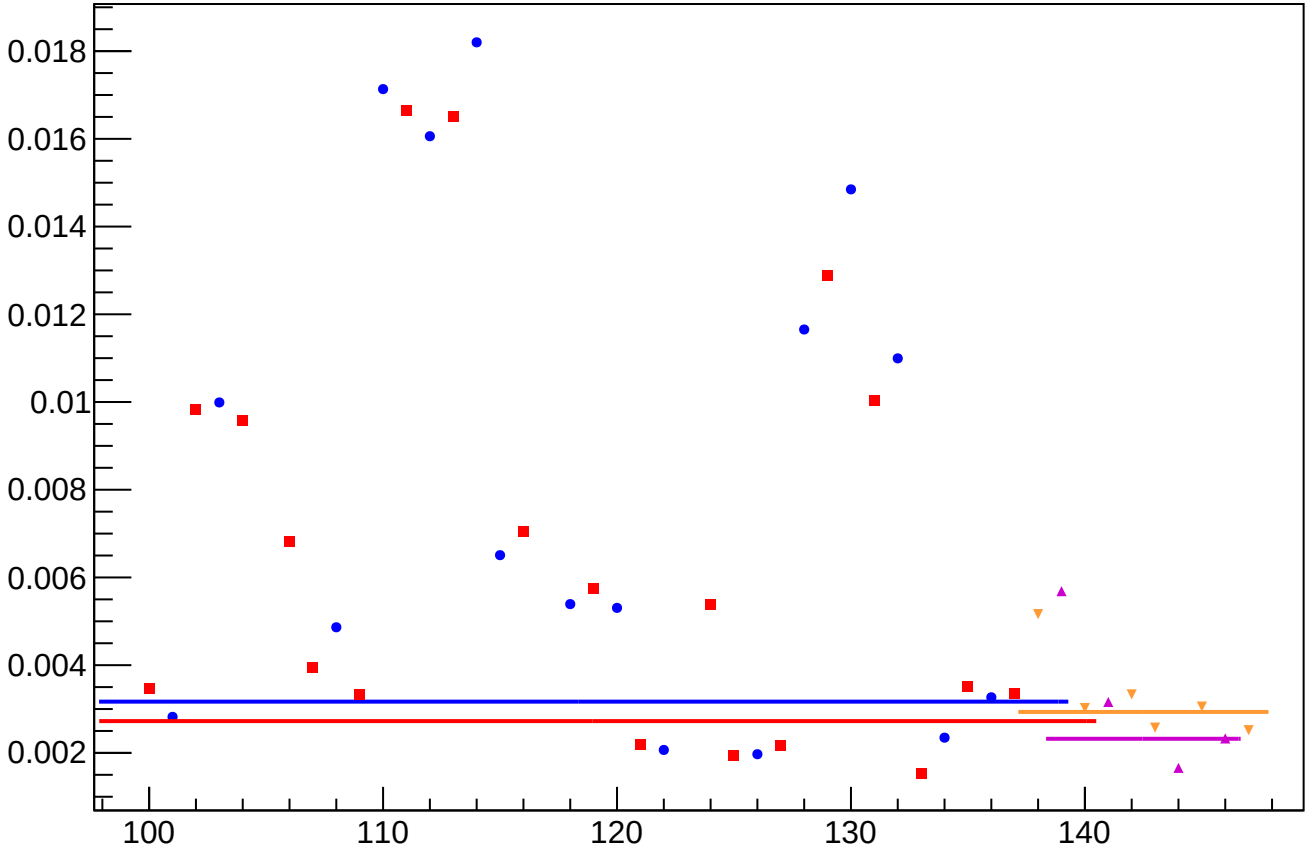
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:15.0/19

Out: -0.000+/-0.000 χ^2/NDF:26.1/24

All: 0.000+/-0.000 χ^2/NDF: 41.2/44

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:379420.5/5

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:932449.3/3

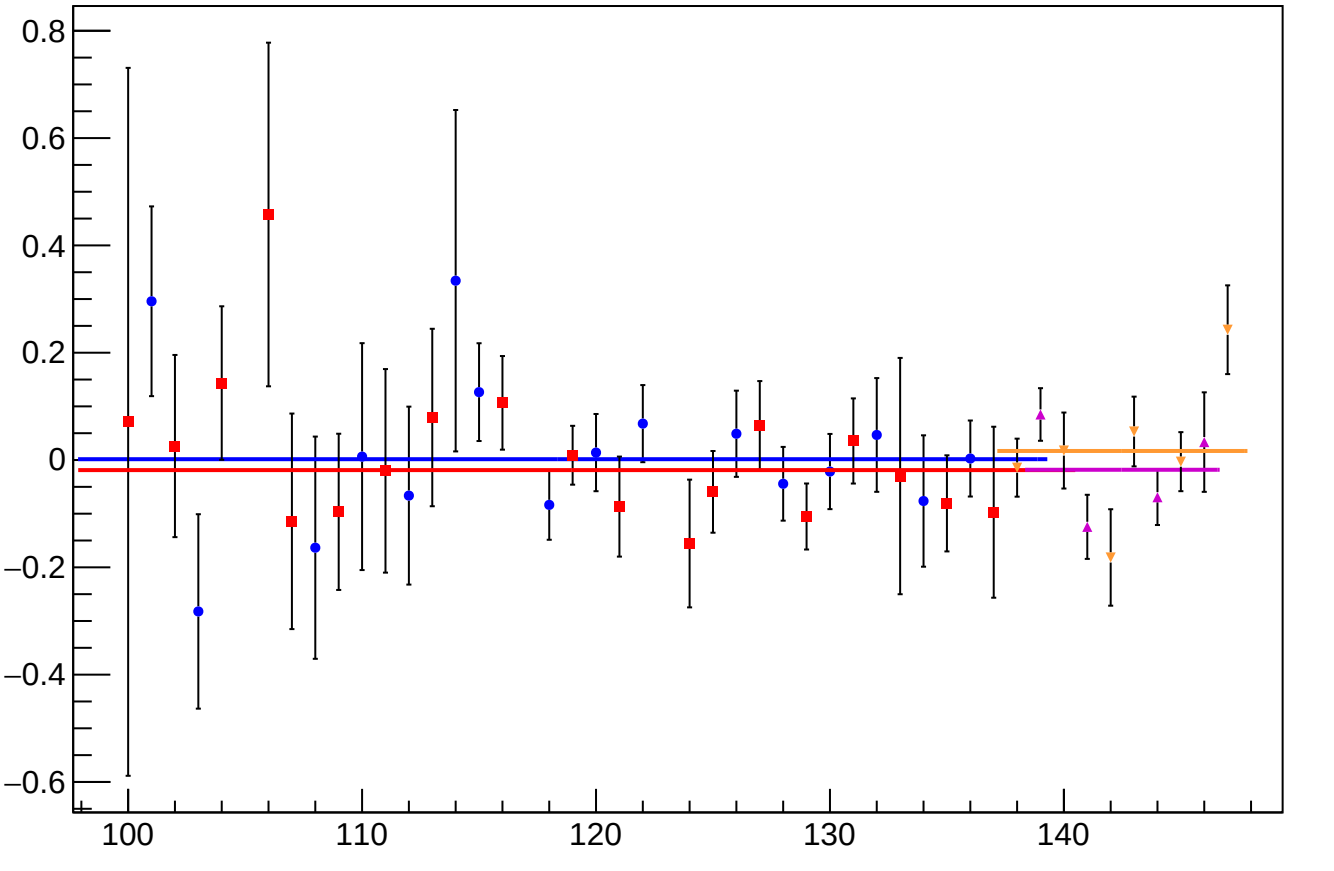
Left: 0.003+/-0.000 χ^2/NDF: 1501920.7/9

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:5836247.0/19

Out: 0.003+/-0.000 χ^2/NDF:5556532.8/24

All: 0.003+/-0.000 χ^2/NDF: 11401690.6/44



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.017+/-0.027 χ^2/NDF:13.1/5

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.018+/-0.029 χ^2/NDF:8.9/3

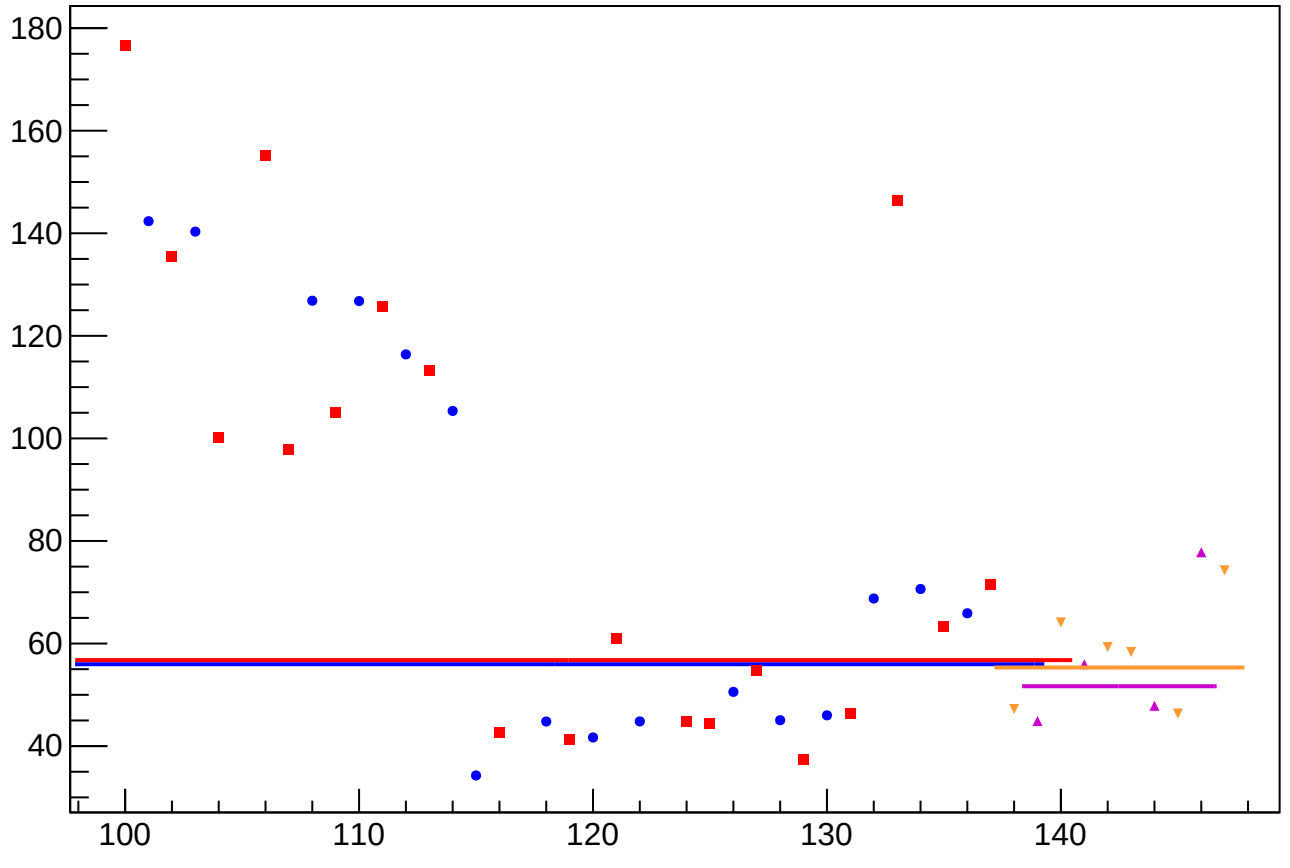
Left: 0.001+/-0.020 χ^2/NDF: 22.8/9

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.006+/-0.018 χ^2/NDF:22.2/19

Out: -0.003+/-0.018 χ^2/NDF:27.2/24

All: -0.005+/-0.013 χ^2/NDF: 49.5/44



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 55.323+/-0.019 χ^2/NDF:242207.9/5

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 51.674+/-0.021 χ^2/NDF:218226.1/3

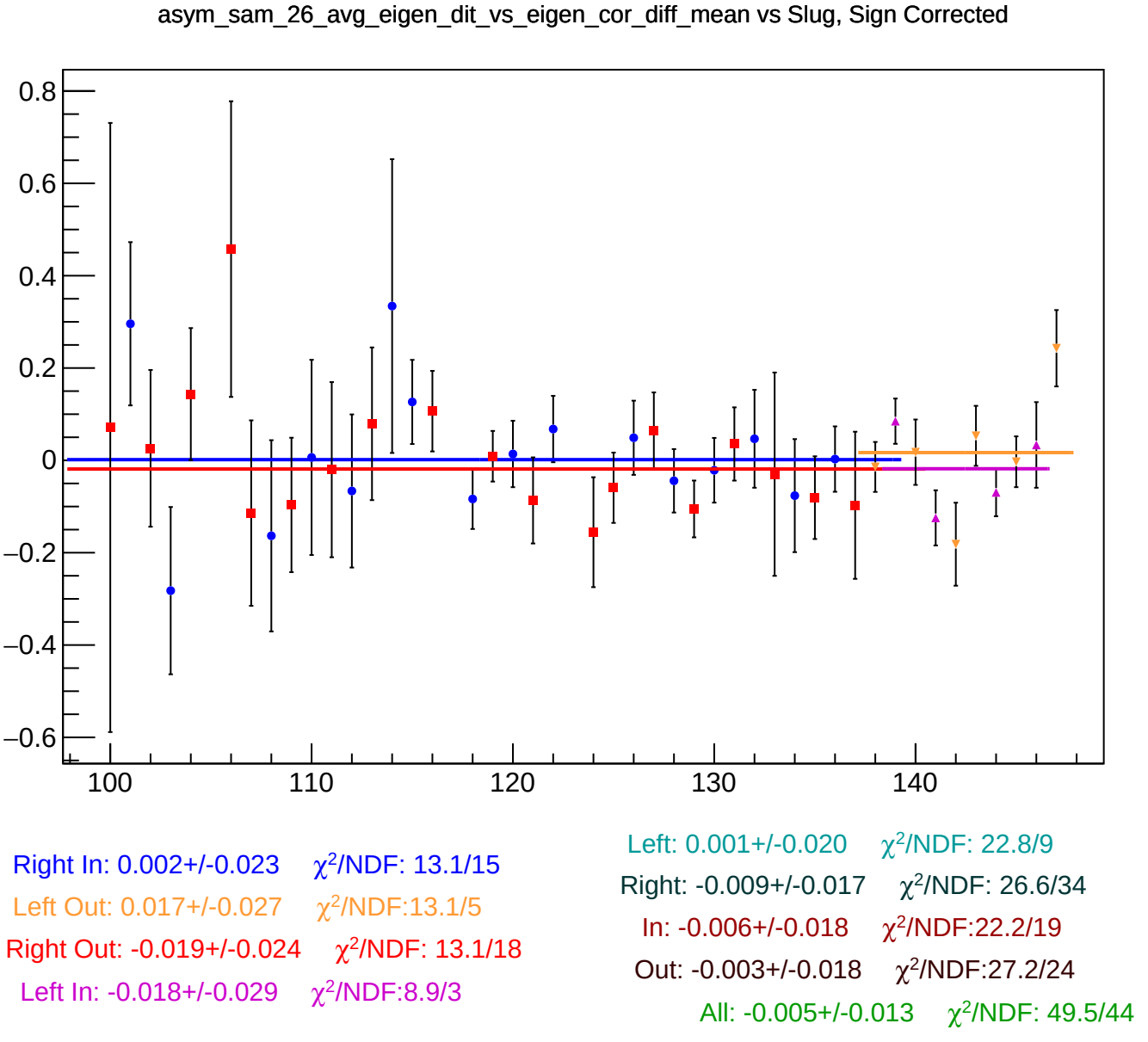
Left: 53.636+/-0.014 χ^2/NDF: 477401.8/9

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

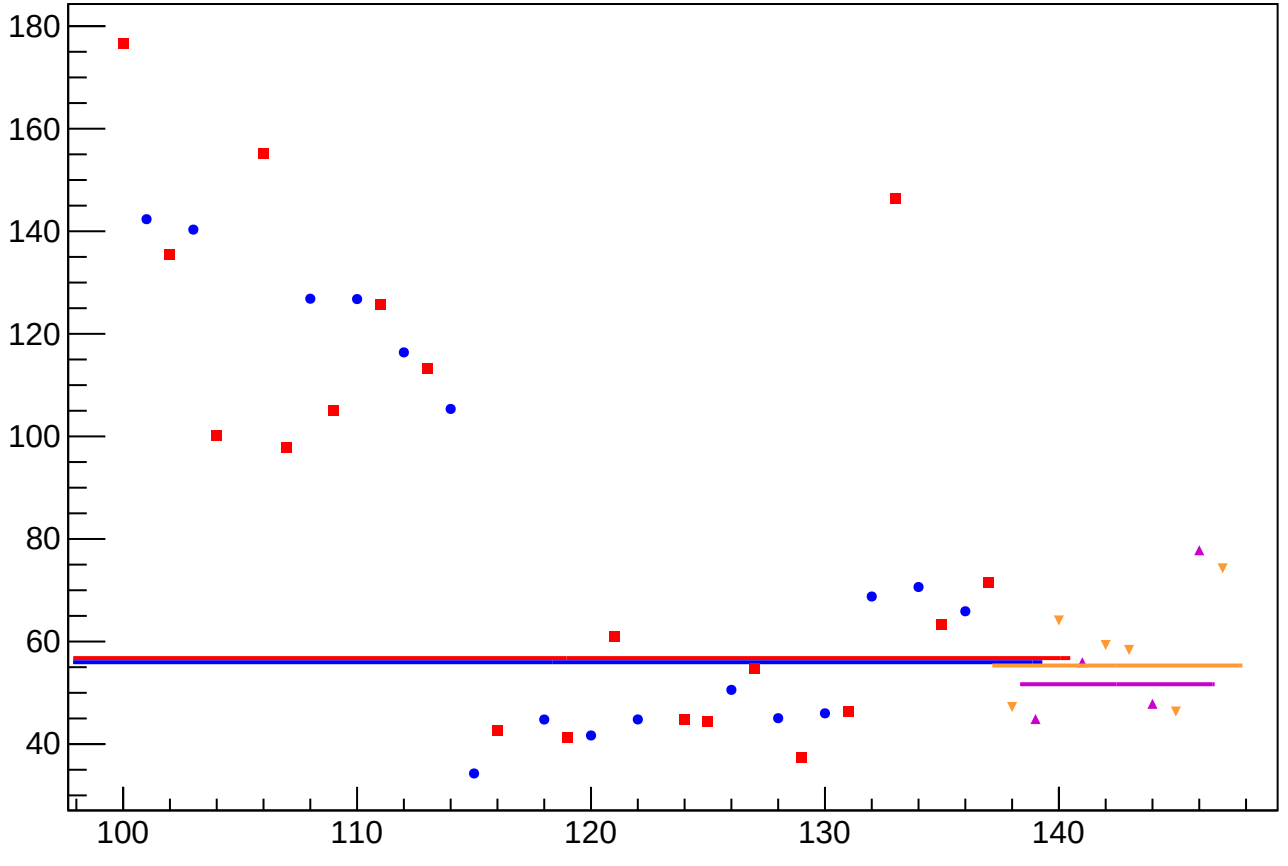
In: 54.277+/-0.013 χ^2/NDF:2424473.1/19

Out: 56.144+/-0.013 χ^2/NDF:2798653.4/24

All: 55.237+/-0.009 χ^2/NDF: 5233918.0/44


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.017+/-0.027 χ²/NDF:13.1/5
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.018+/-0.029 χ²/NDF:8.9/3
Left: 0.001+/-0.020 χ²/NDF: 22.8/9
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.006+/-0.018 χ²/NDF:22.2/19
Out: -0.003+/-0.018 χ²/NDF:27.2/24
All: -0.005+/-0.013 χ²/NDF: 49.5/44

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: 55.323+/-0.019 χ^2/NDF:242207.9/5

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 51.674+/-0.021 χ^2/NDF:218226.1/3

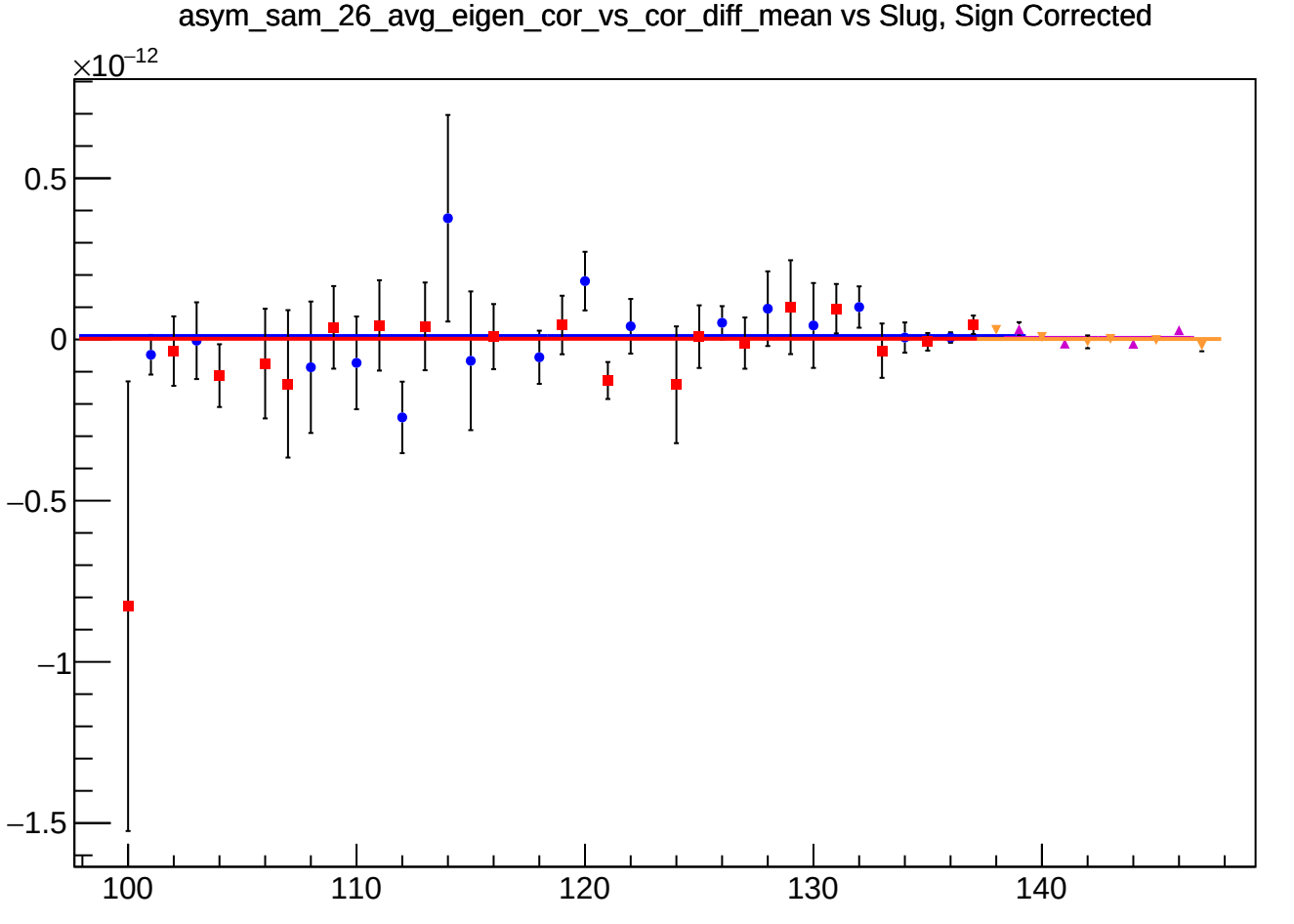
Left: 53.636+/-0.014 χ^2/NDF: 477401.8/9

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.277+/-0.013 χ^2/NDF:2424473.1/19

Out: 56.144+/-0.013 χ^2/NDF:2798653.4/24

All: 55.237+/-0.009 χ^2/NDF: 5233918.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/3

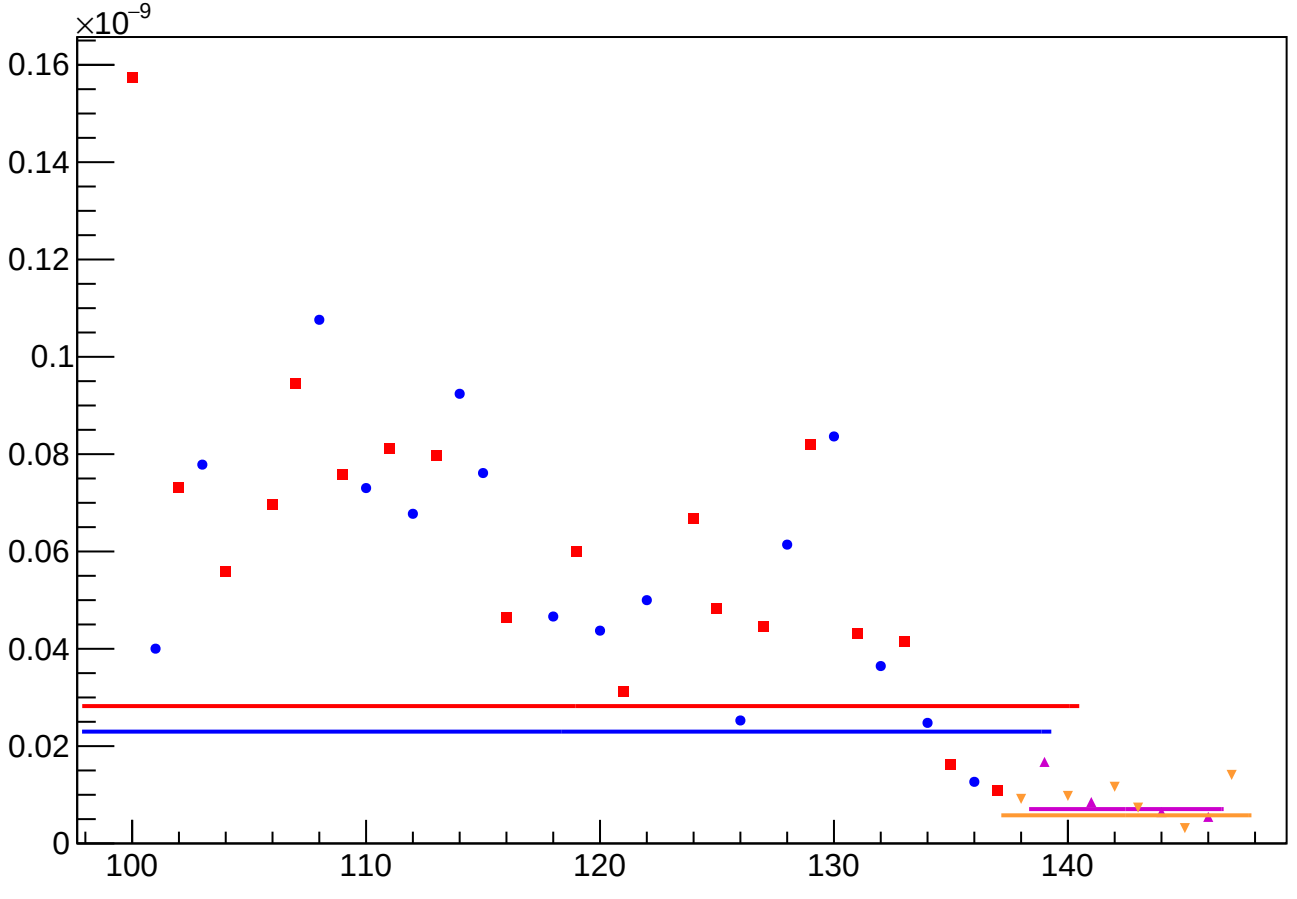
Left: 0.000+/-0.000 χ^2/NDF: 23.8/9

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:32.7/19

Out: 0.000+/-0.000 χ^2/NDF:20.9/24

All: 0.000+/-0.000 χ^2/NDF: 54.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1522832.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:510357.7/3

Left: 0.000+/-0.000 χ^2/NDF: 2113058.1/9

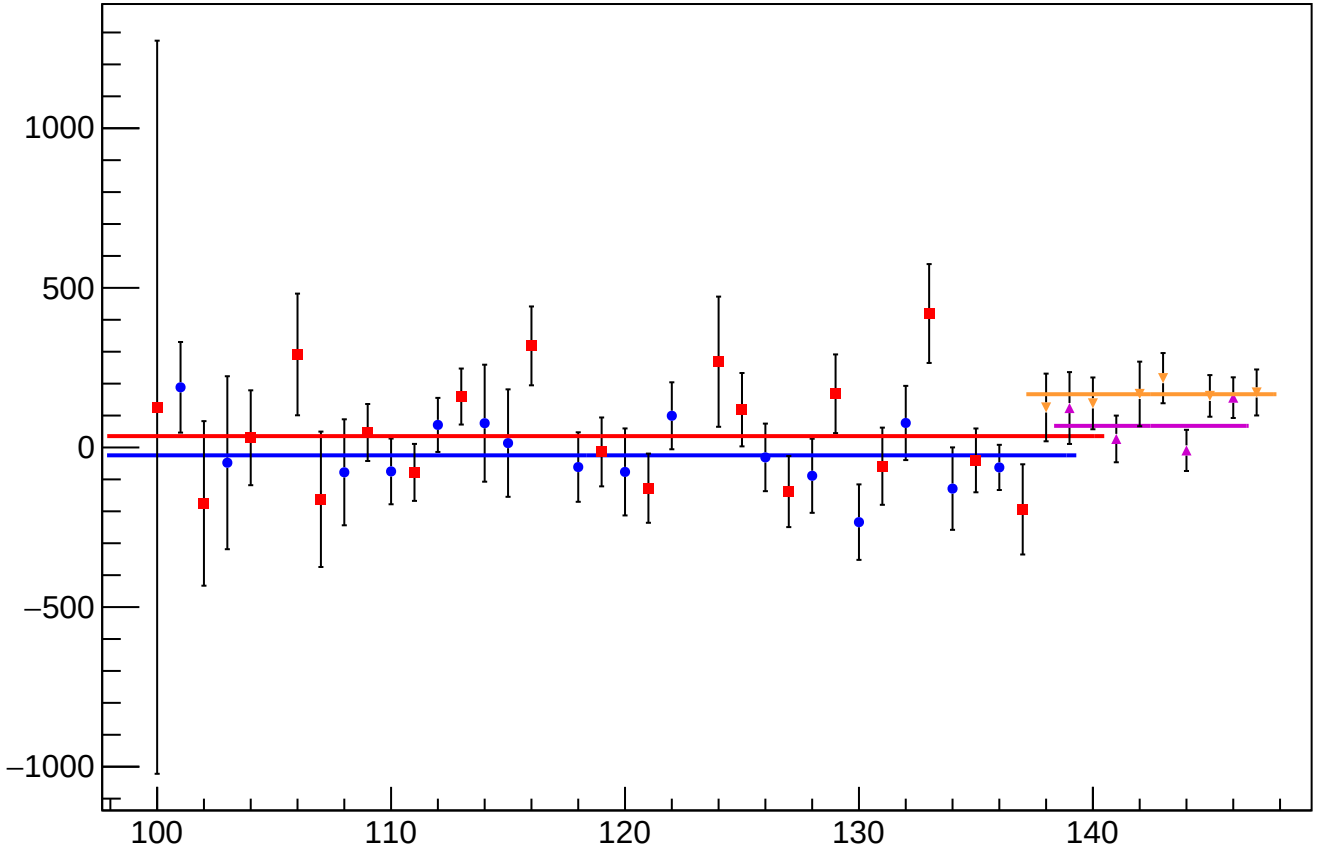
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:6856222.9/19

Out: 0.000+/-0.000 χ^2/NDF:9287123.1/24

All: 0.000+/-0.000 χ^2/NDF: 16376954.2/44

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 166.817+/-32.821 χ^2/NDF:0.7/5

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 67.716+/-36.441 χ^2/NDF:3.9/3

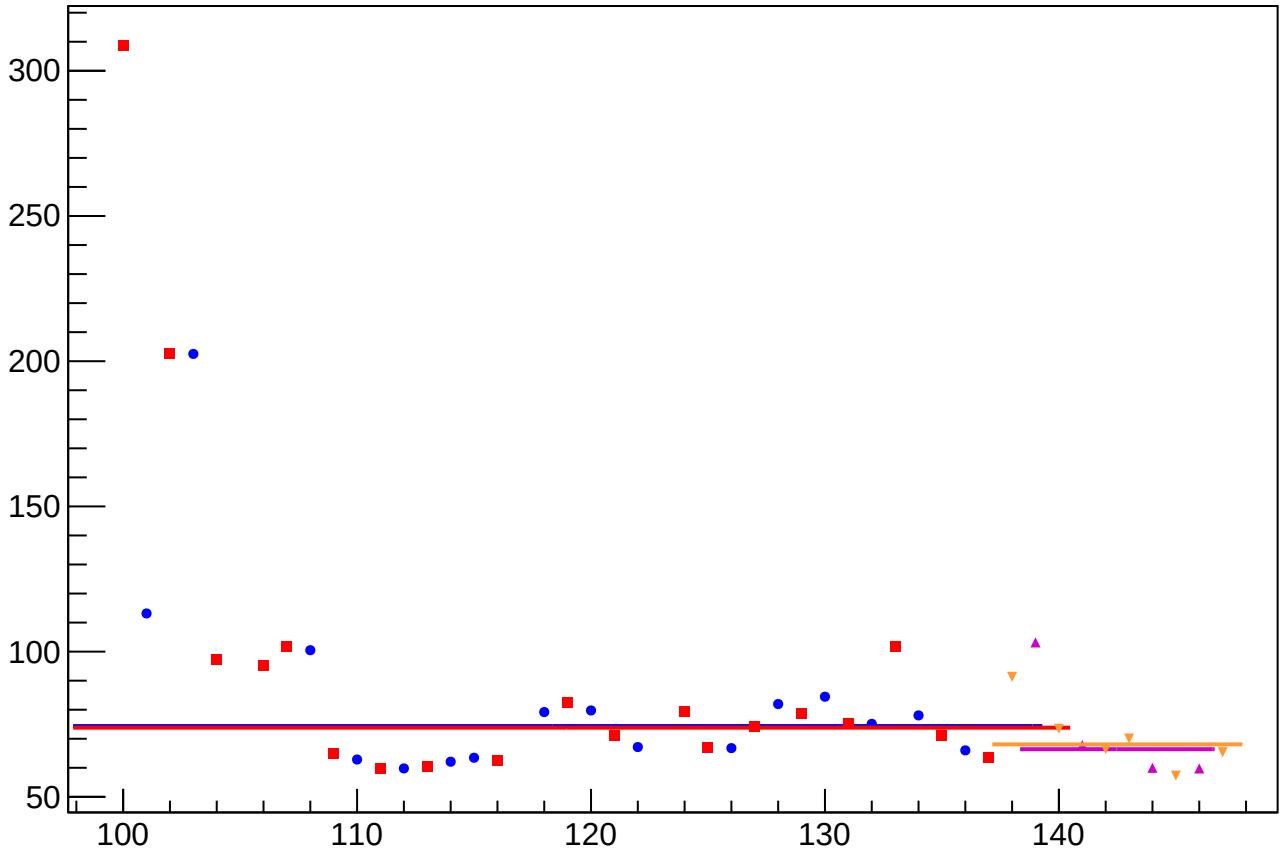
Left: 122.433+/-24.388 χ^2/NDF: 8.7/9

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 11.043+/-22.650 χ^2/NDF:18.9/19

Out: 91.895+/-21.499 χ^2/NDF:39.9/24

All: 53.574+/-15.593 χ^2/NDF: 65.5/44



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 68.061+/-0.023 χ^2/NDF:164354.7/5

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

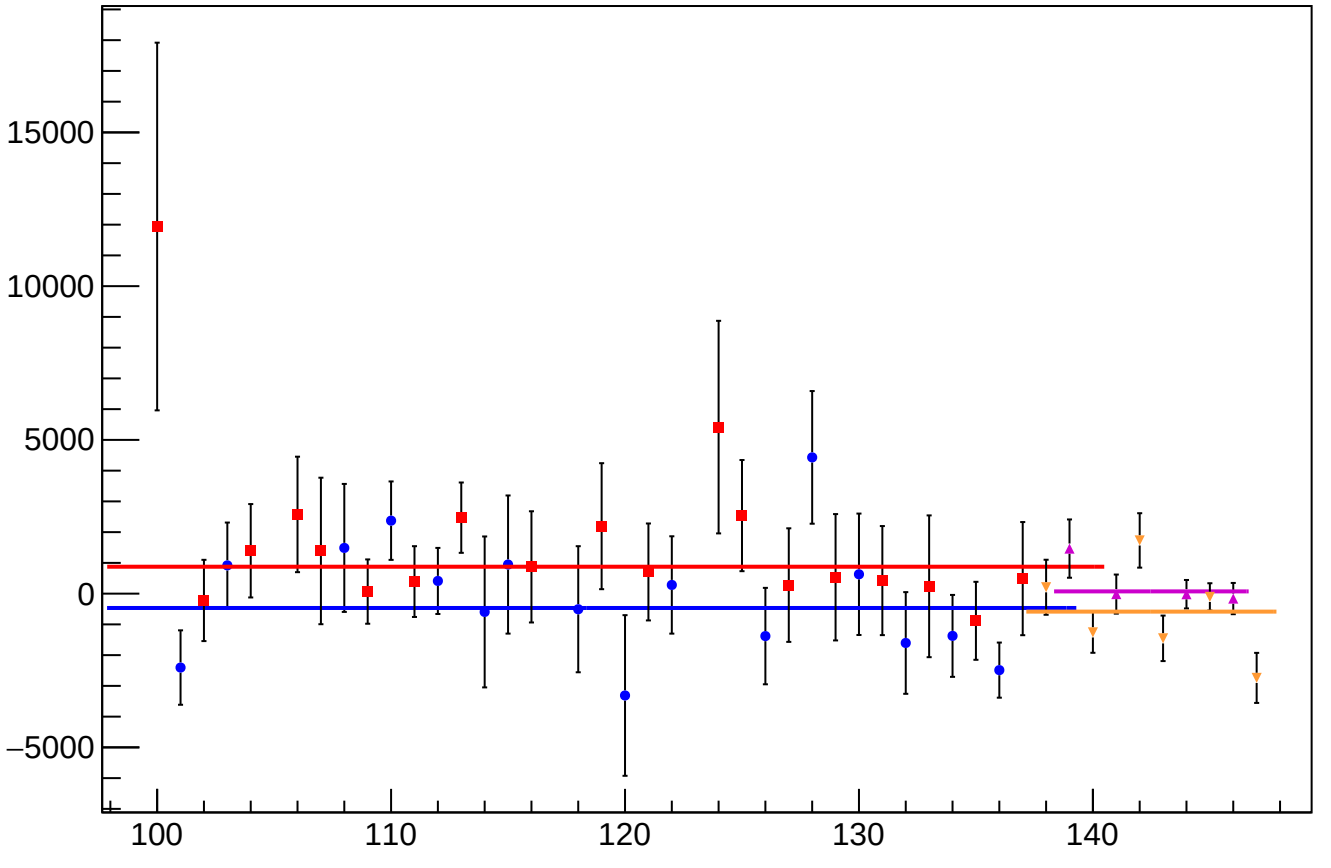
Left: 67.320+/-0.017 χ^2/NDF: 422291.9/9

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 71.293+/-0.016 χ^2/NDF:1141847.3/19

Out: 71.346+/-0.015 χ^2/NDF:1131401.7/24

All: 71.321+/-0.011 χ^2/NDF: 2273254.8/44



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -584.649+/-275.182 χ^2/NDF:18.2/5

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 72.984+/-287.171 χ^2/NDF:2.4/3

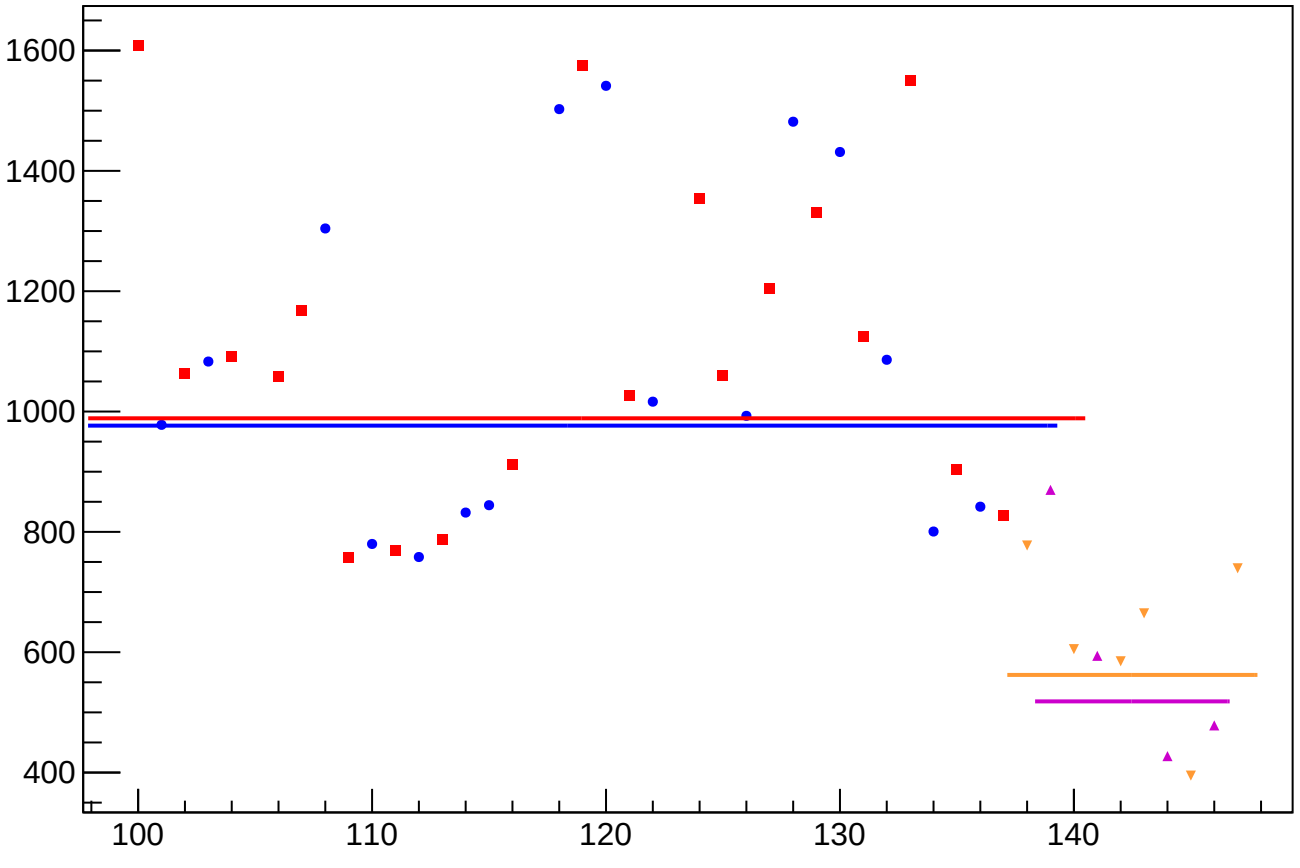
Left: -269.847+/-198.686 χ^2/NDF: 23.4/9

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -126.427+/-228.004 χ^2/NDF:27.4/19

Out: -68.712+/-221.281 χ^2/NDF:41.2/24

All: -96.706+/-158.793 χ^2/NDF: 68.7/44



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 562.253+/-0.195 χ^2/NDF:542423.0/5

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 518.268+/-0.203 χ^2/NDF:393131.6/3

Left: 541.197+/-0.140 χ^2/NDF: 960014.4/9

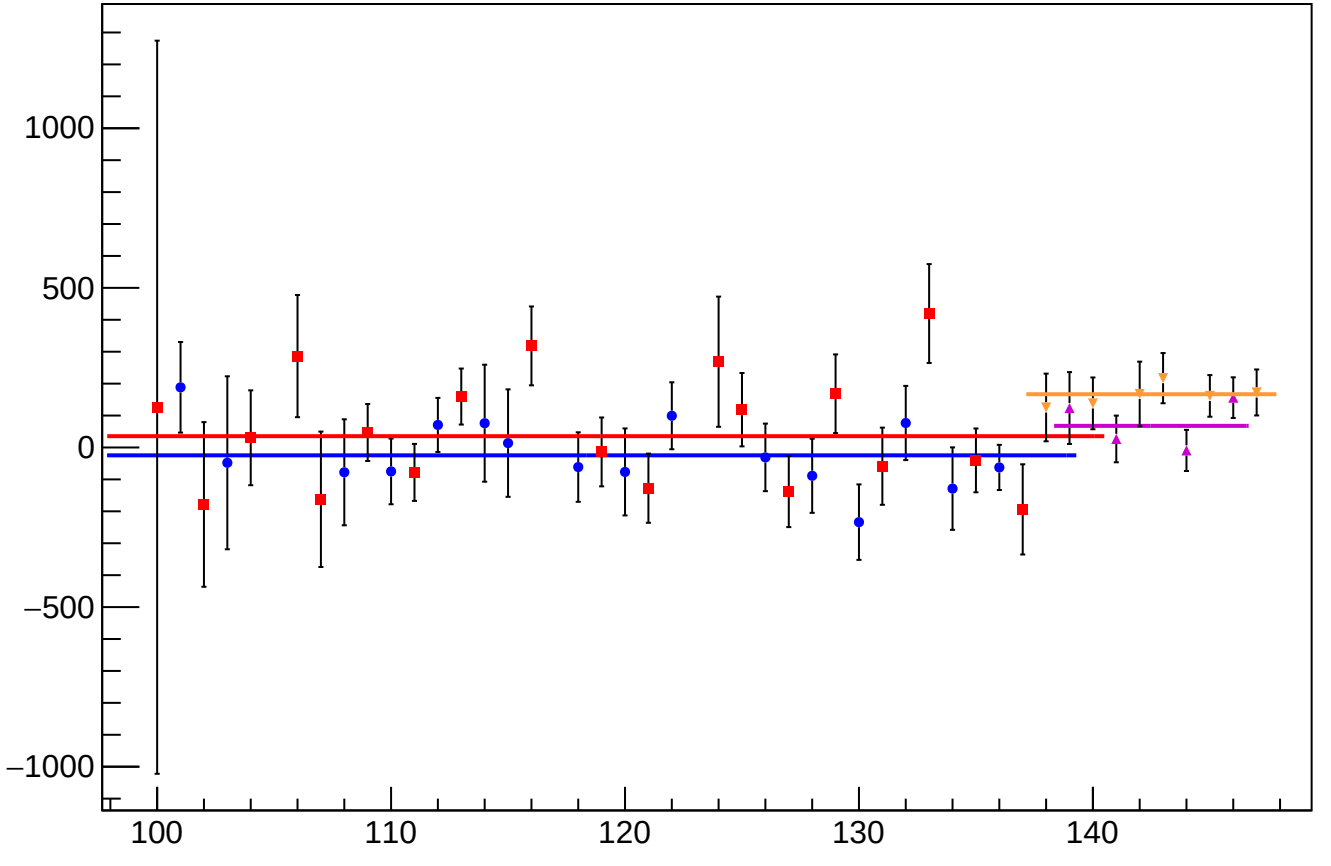
Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 687.669+/-0.161 χ^2/NDF:3012648.2/19

Out: 712.973+/-0.156 χ^2/NDF:2955958.1/24

All: 700.700+/-0.112 χ^2/NDF: 5981292.1/44

cor_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 166.823+/-32.821 χ^2/NDF:0.7/5

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 67.713+/-36.441 χ^2/NDF:3.9/3

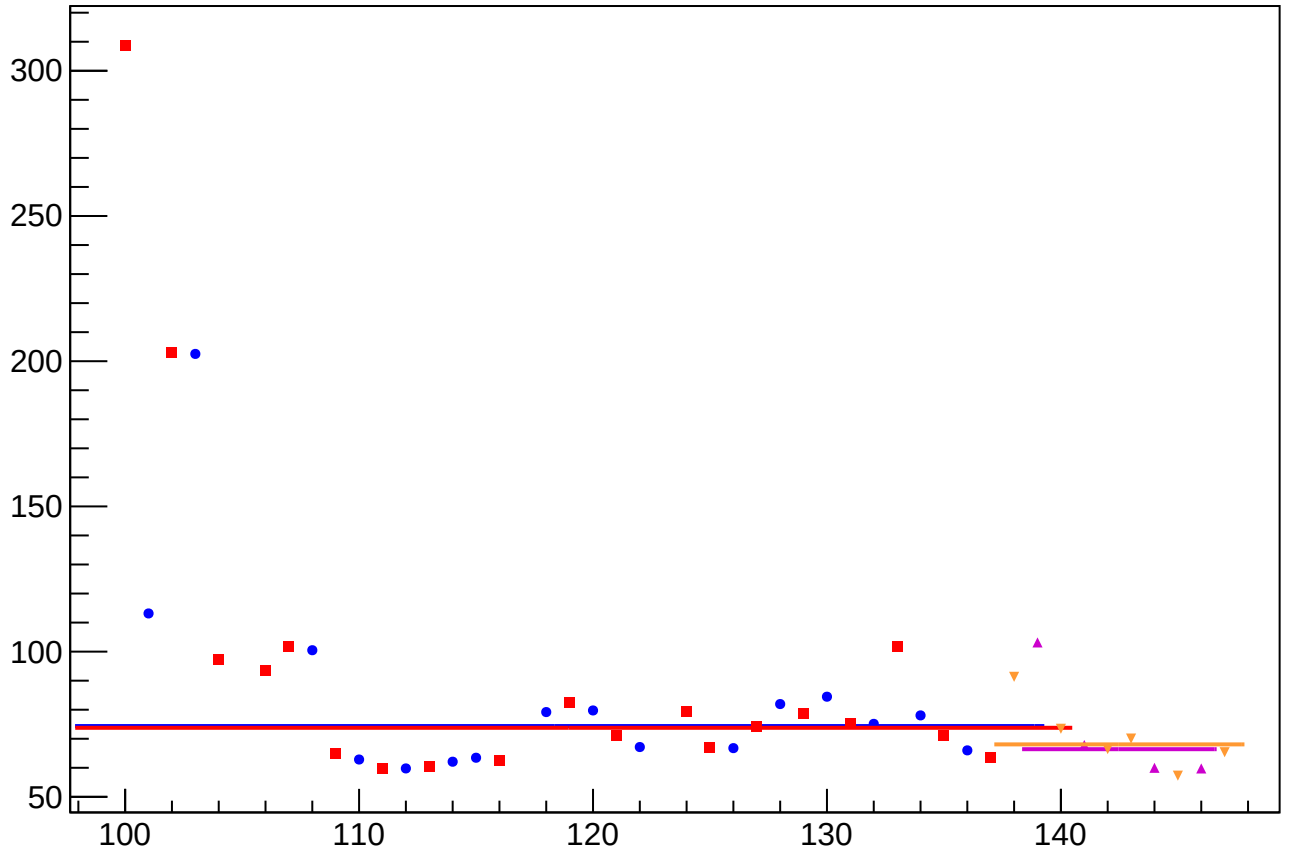
Left: 122.435+/-24.388 χ^2/NDF: 8.7/9

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 11.037+/-22.650 χ^2/NDF:18.9/19

Out: 91.791+/-21.501 χ^2/NDF:39.9/24

All: 53.514+/-15.594 χ^2/NDF: 65.4/44



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.061+/-0.023 χ^2/NDF:164354.7/5

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

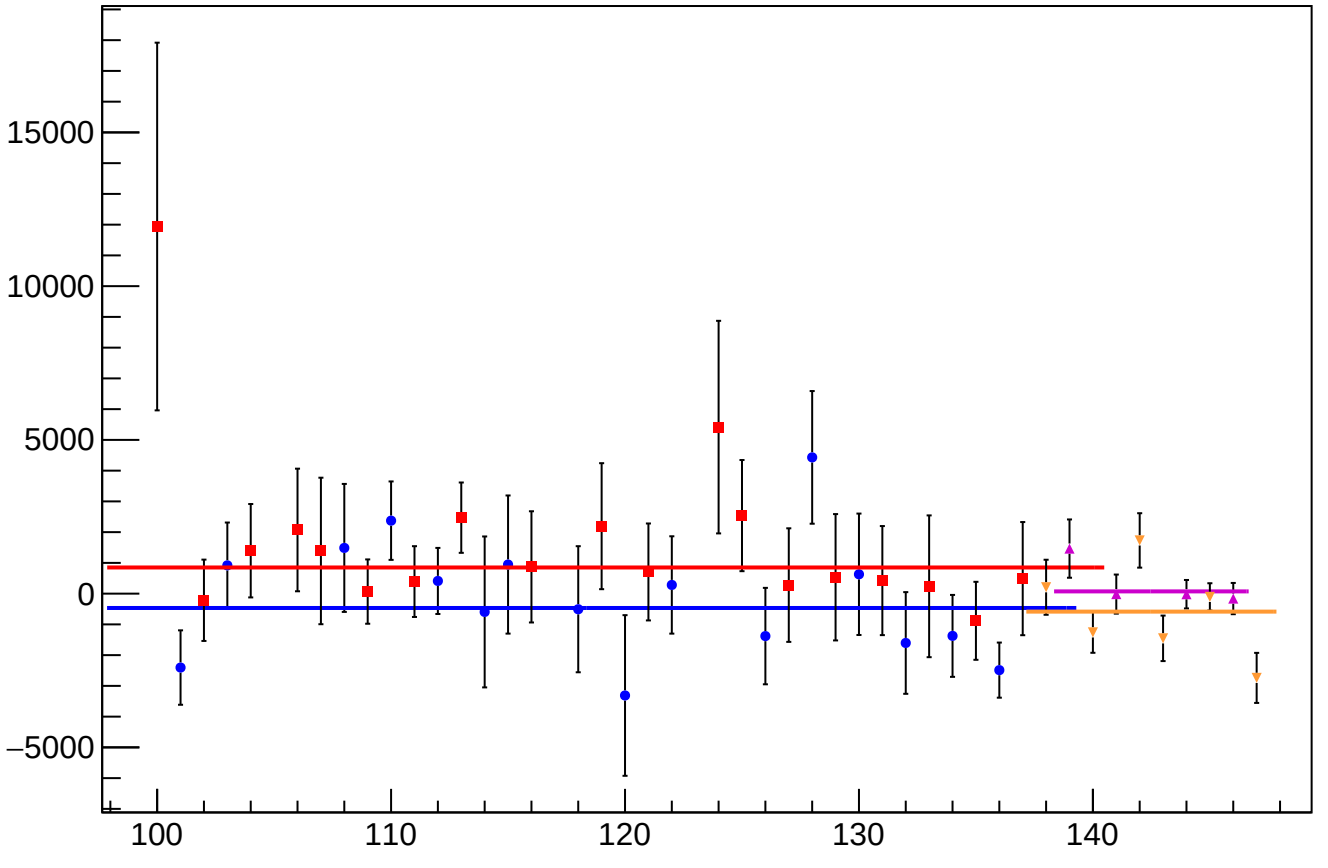
Left: 67.320+/-0.017 χ^2/NDF: 422291.9/9

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 71.293+/-0.016 χ^2/NDF:1141849.3/19

Out: 71.322+/-0.015 χ^2/NDF:1127104.8/24

All: 71.308+/-0.011 χ^2/NDF: 2268955.8/44



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -584.642+/-275.181 χ^2/NDF:18.2/5

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 72.986+/-287.171 χ^2/NDF:2.4/3

Left: -269.842+/-198.686 χ^2/NDF: 23.4/9

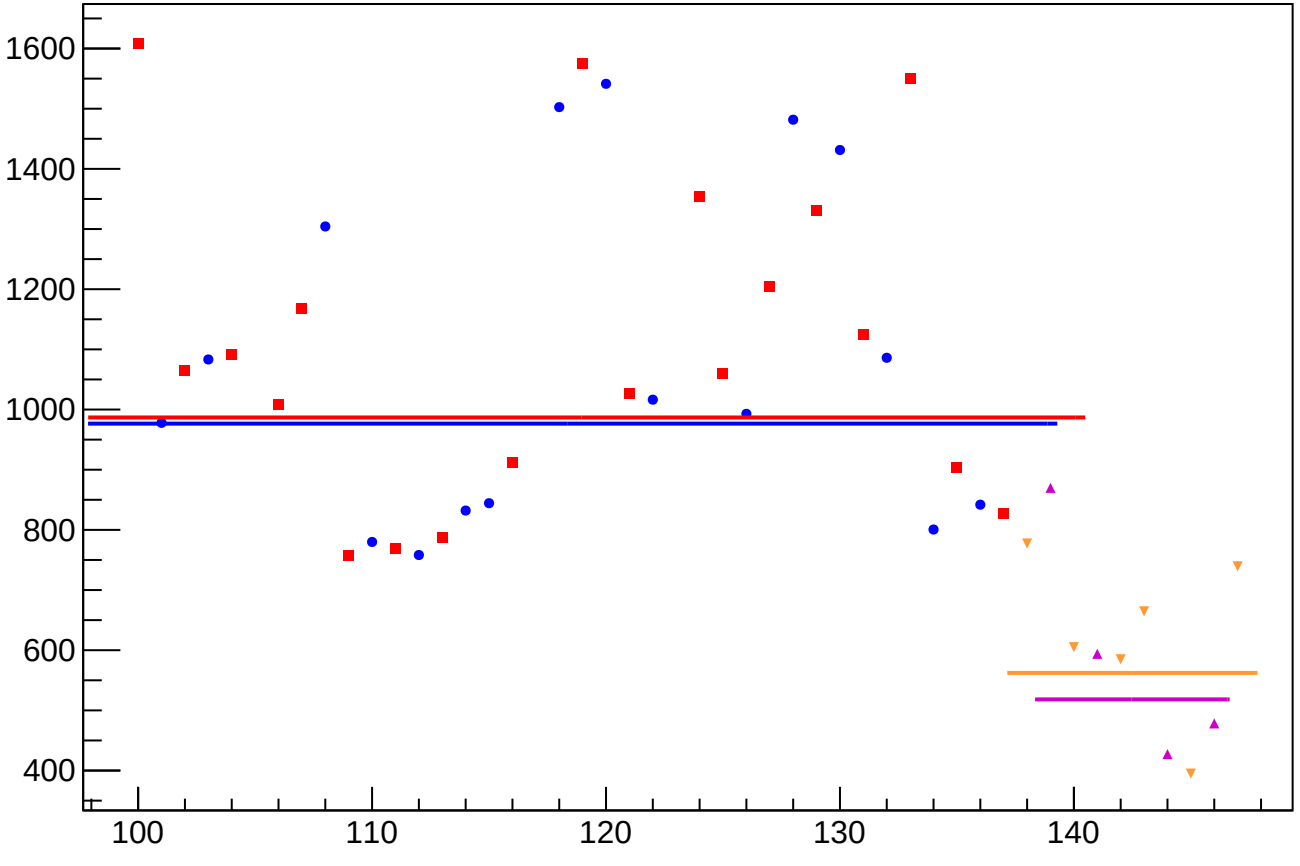
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -126.419+/-228.005 χ^2/NDF:27.4/19

Out: -78.900+/-221.459 χ^2/NDF:40.4/24

All: -101.968+/-158.859 χ^2/NDF: 67.8/44

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 562.252+/-0.195 χ^2/NDF:542421.9/5

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 518.268+/-0.203 χ^2/NDF:393132.6/3

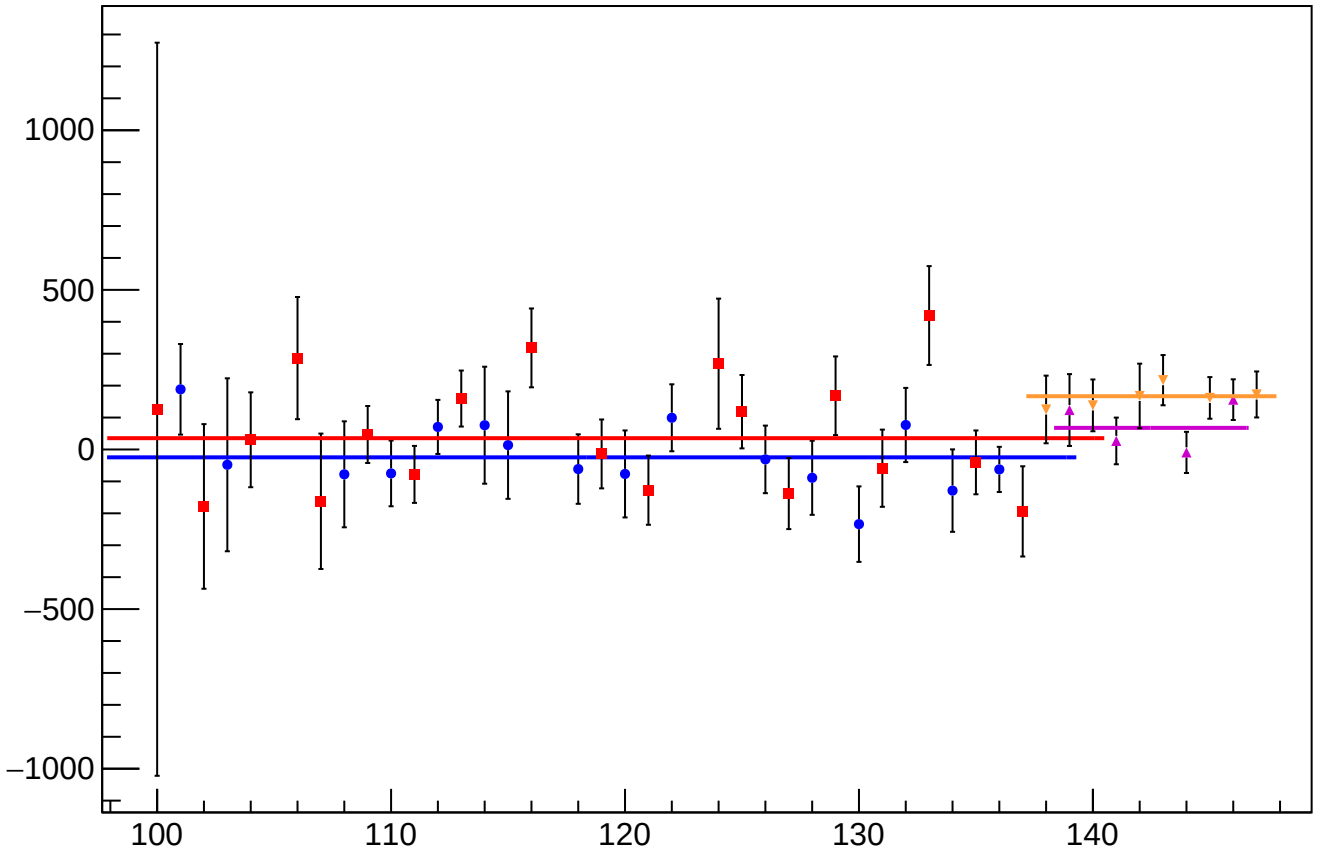
Left: 541.197+/-0.140 χ^2/NDF: 960014.3/9

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 687.670+/-0.161 χ^2/NDF:3012705.0/19

Out: 711.844+/-0.157 χ^2/NDF:2933184.1/24

All: 700.109+/-0.112 χ^2/NDF: 5957457.7/44



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 166.823+/-32.821 χ^2/NDF:0.7/5

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 67.713+/-36.441 χ^2/NDF:3.9/3

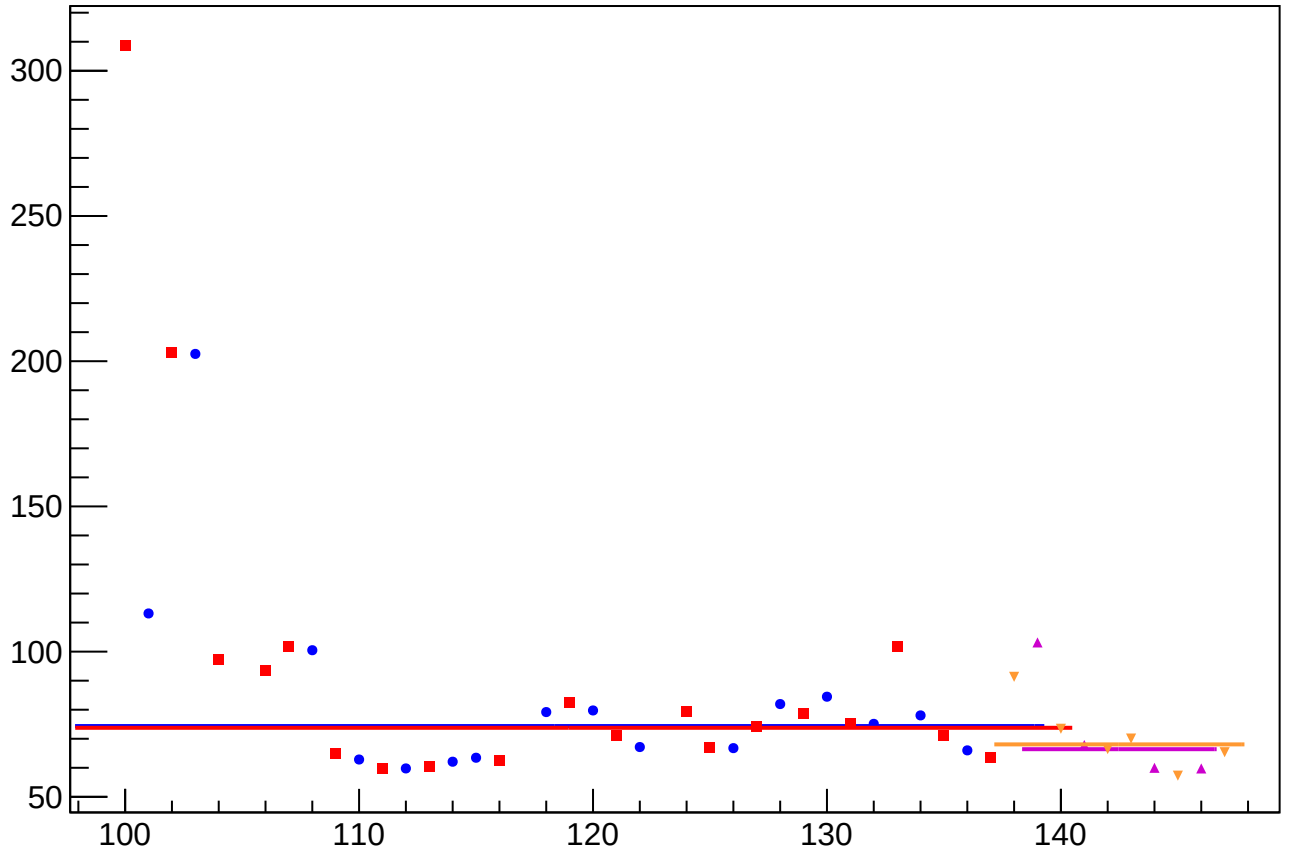
Left: 122.435+/-24.388 χ^2/NDF: 8.7/9

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 11.037+/-22.650 χ^2/NDF:18.9/19

Out: 91.791+/-21.501 χ^2/NDF:39.9/24

All: 53.514+/-15.594 χ^2/NDF: 65.4/44



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 68.061+/-0.023 χ^2/NDF:164354.7/5

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 66.406+/-0.026 χ^2/NDF:255661.1/3

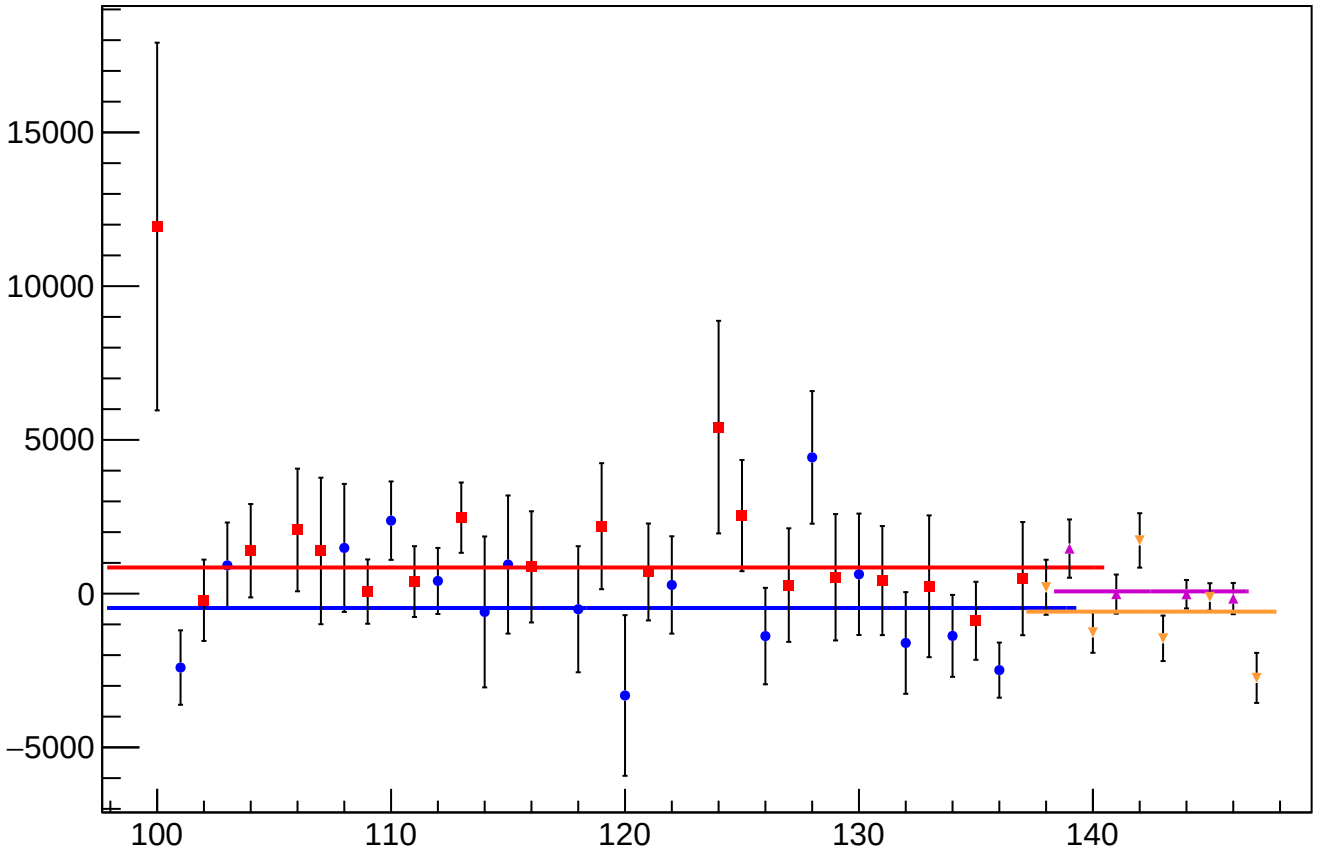
Left: 67.320+/-0.017 χ^2/NDF: 422291.9/9

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 71.293+/-0.016 χ^2/NDF:1141849.3/19

Out: 71.322+/-0.015 χ^2/NDF:1127104.8/24

All: 71.308+/-0.011 χ^2/NDF: 2268955.8/44



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -584.642+/-275.181 χ^2/NDF:18.2/5

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 72.986+/-287.171 χ^2/NDF:2.4/3

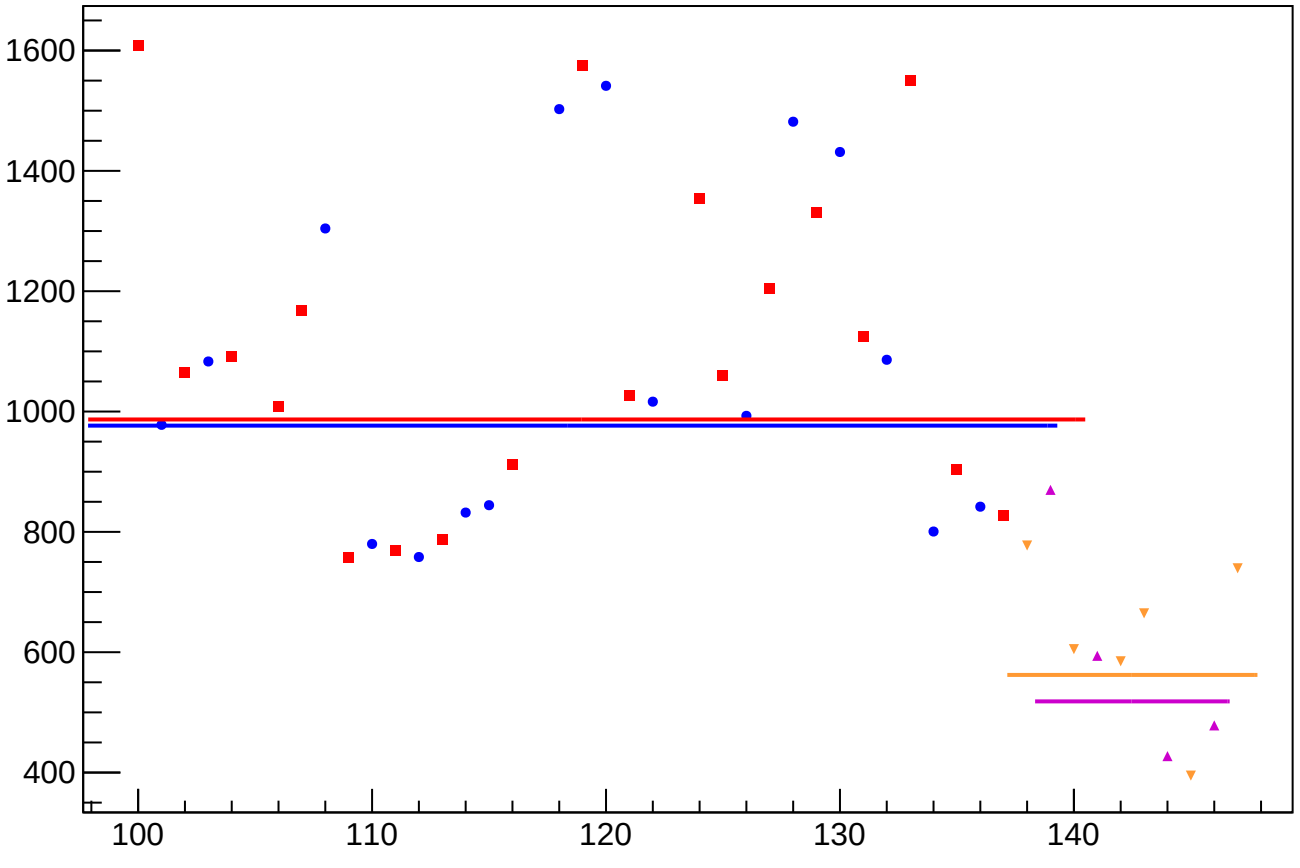
Left: -269.842+/-198.686 χ^2/NDF: 23.4/9

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -126.419+/-228.005 χ^2/NDF:27.4/19

Out: -78.900+/-221.459 χ^2/NDF:40.4/24

All: -101.968+/-158.859 χ^2/NDF: 67.8/44



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 562.252+/-0.195 χ^2/NDF:542421.9/5

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 518.268+/-0.203 χ^2/NDF:393132.6/3

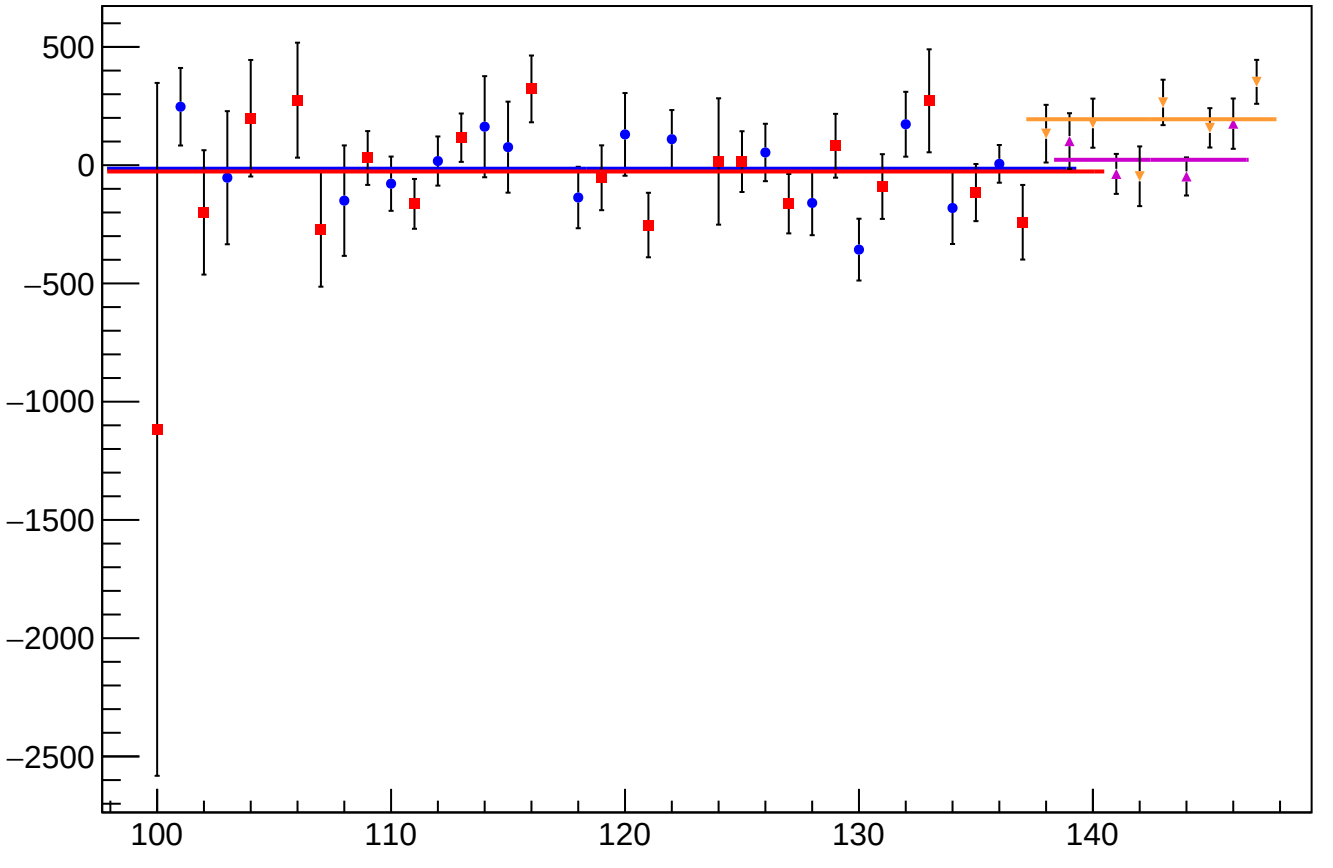
Left: 541.197+/-0.140 χ^2/NDF: 960014.3/9

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 687.670+/-0.161 χ^2/NDF:3012705.0/19

Out: 711.844+/-0.157 χ^2/NDF:2933184.1/24

All: 700.109+/-0.112 χ^2/NDF: 5957457.7/44



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 194.260+/-41.114 χ^2/NDF:7.6/5

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 22.769+/-46.919 χ^2/NDF:3.8/3

Left: 119.774+/-30.922 χ^2/NDF: 18.9/9

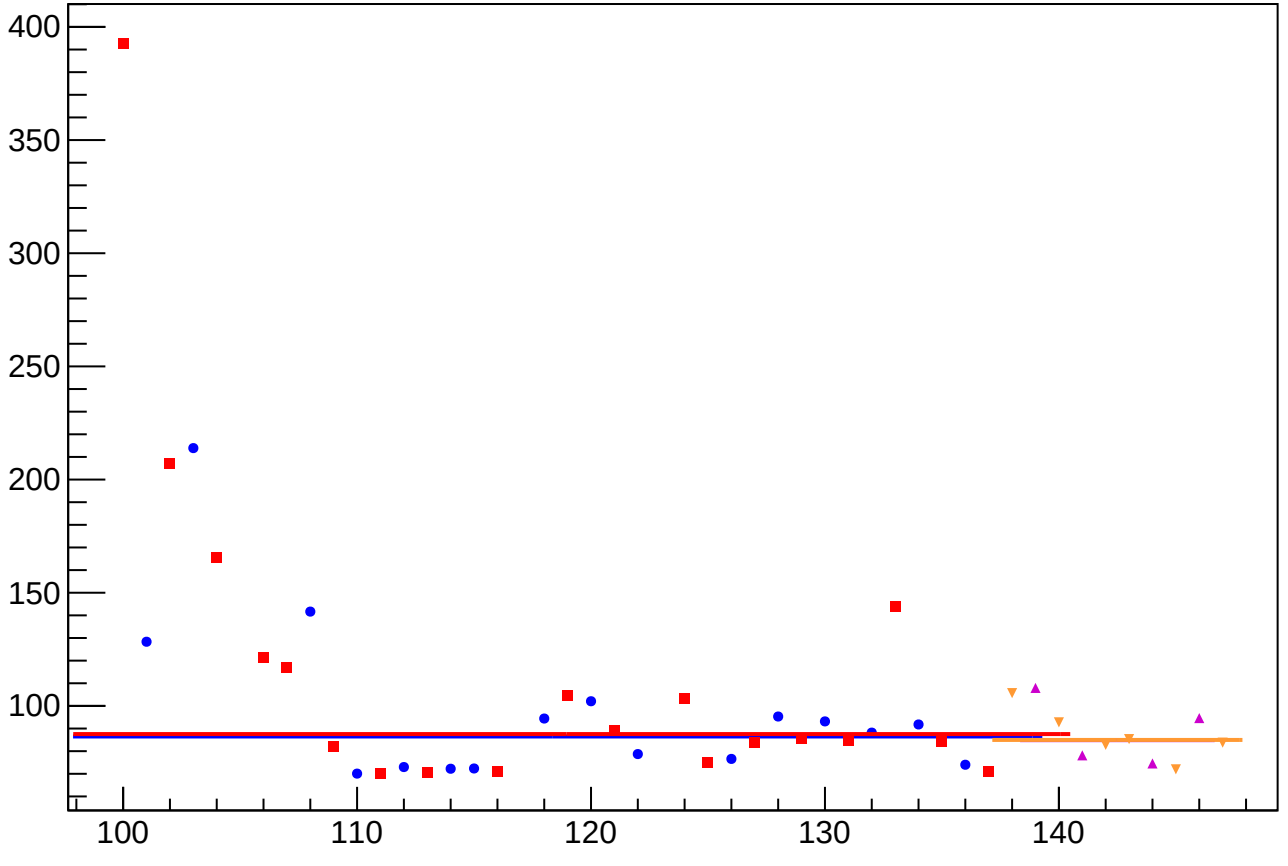
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: -2.085+/-27.404 χ^2/NDF:22.5/19

Out: 63.294+/-26.235 χ^2/NDF:48.3/24

All: 32.029+/-18.951 χ^2/NDF: 73.7/44

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 84.964+/-0.029 χ^2/NDF:118457.6/5

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 84.860+/-0.033 χ^2/NDF:138731.2/3

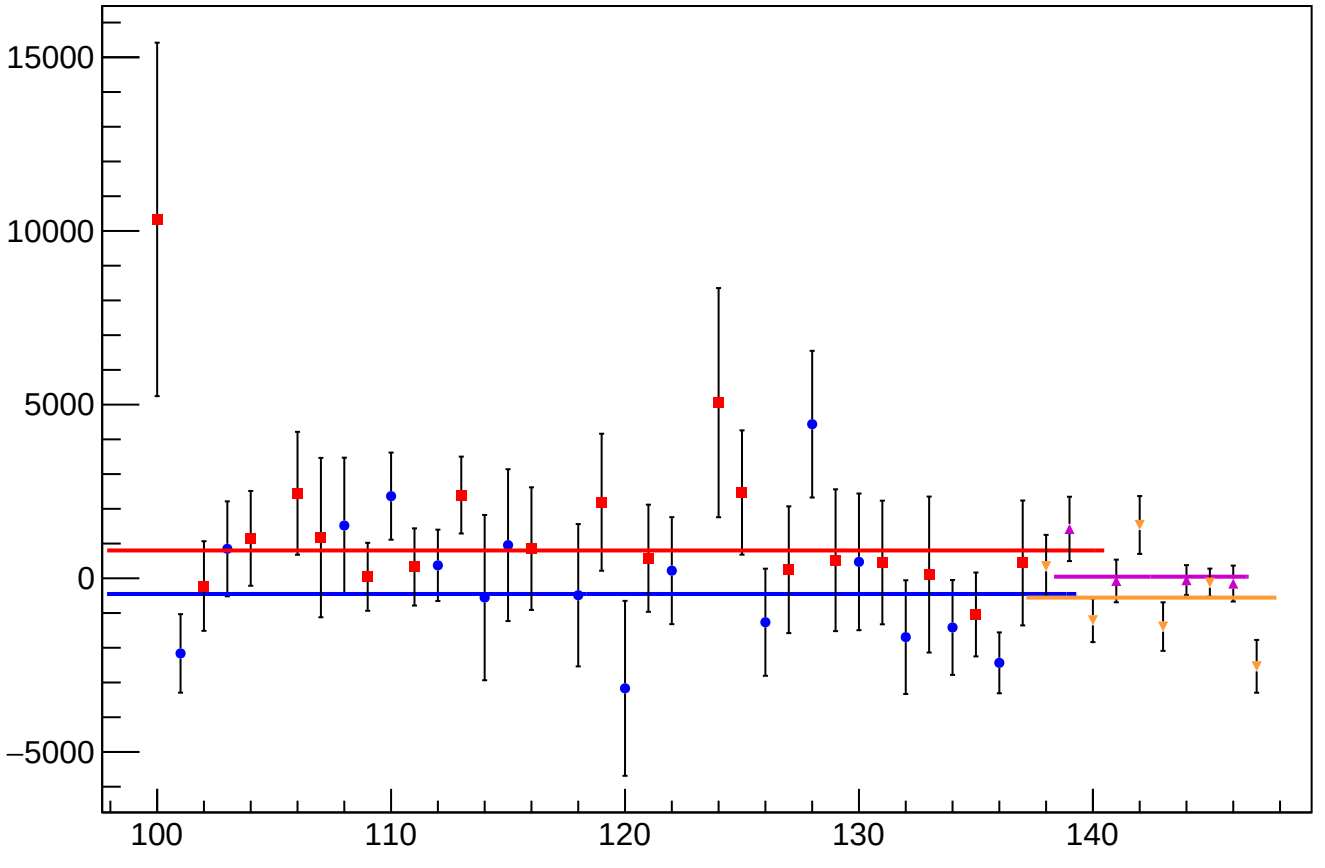
Left: 84.919+/-0.022 χ^2/NDF: 257194.4/9

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 85.933+/-0.019 χ^2/NDF:996577.7/19

Out: 86.500+/-0.019 χ^2/NDF:1252959.6/24

All: 86.229+/-0.013 χ^2/NDF: 2249983.1/44



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -556.085+/-257.154 χ^2/NDF:17.7/5

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 46.436+/-278.416 χ^2/NDF:2.4/3

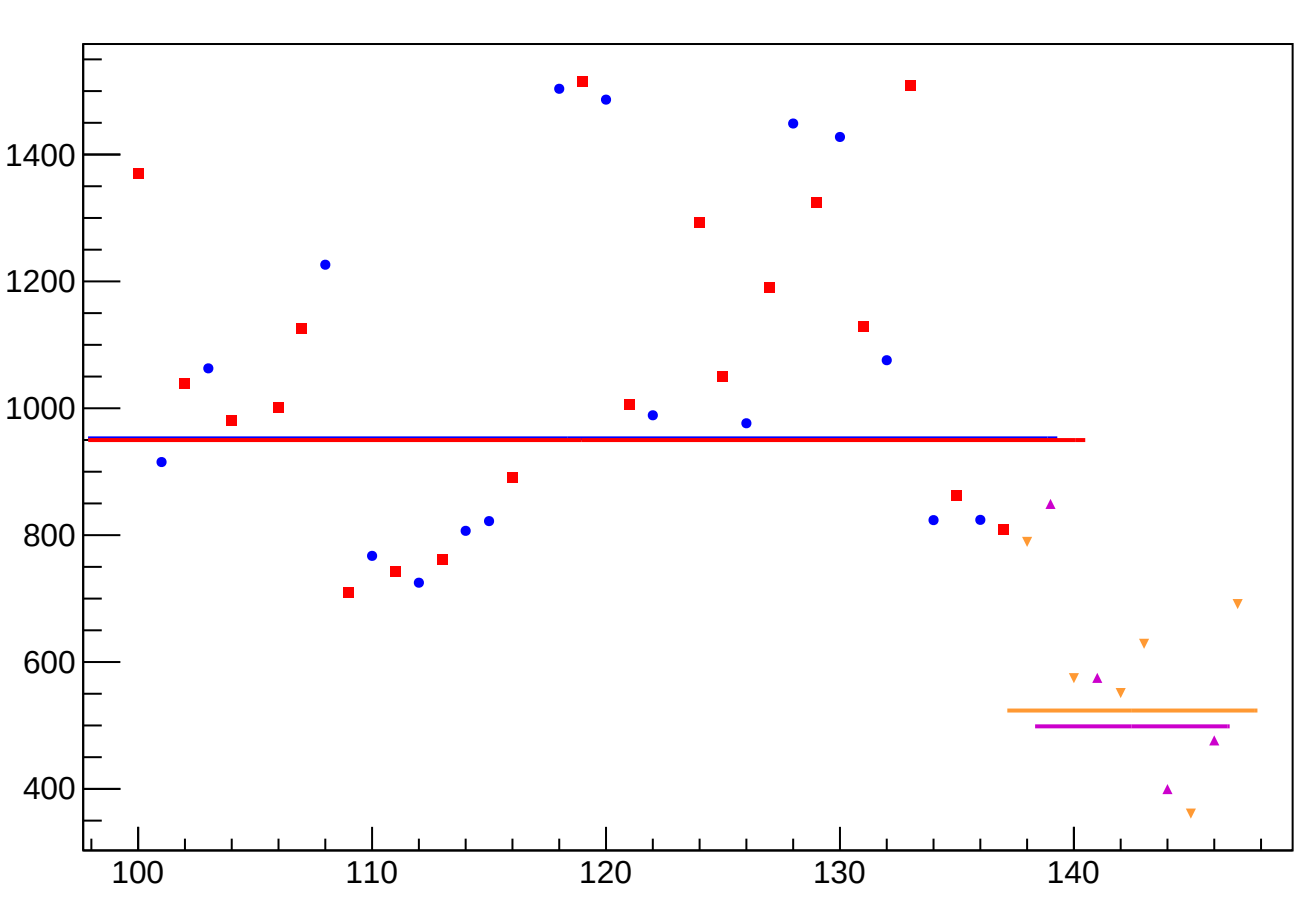
Left: -278.706+/-188.905 χ^2/NDF: 22.7/9

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -136.290+/-221.502 χ^2/NDF:27.3/19

Out: -93.896+/-208.830 χ^2/NDF:40.8/24

All: -113.845+/-151.948 χ^2/NDF: 68.2/44



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 523.542+/-0.182 χ^2/NDF:655788.9/5

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 498.617+/-0.197 χ^2/NDF:425705.9/3

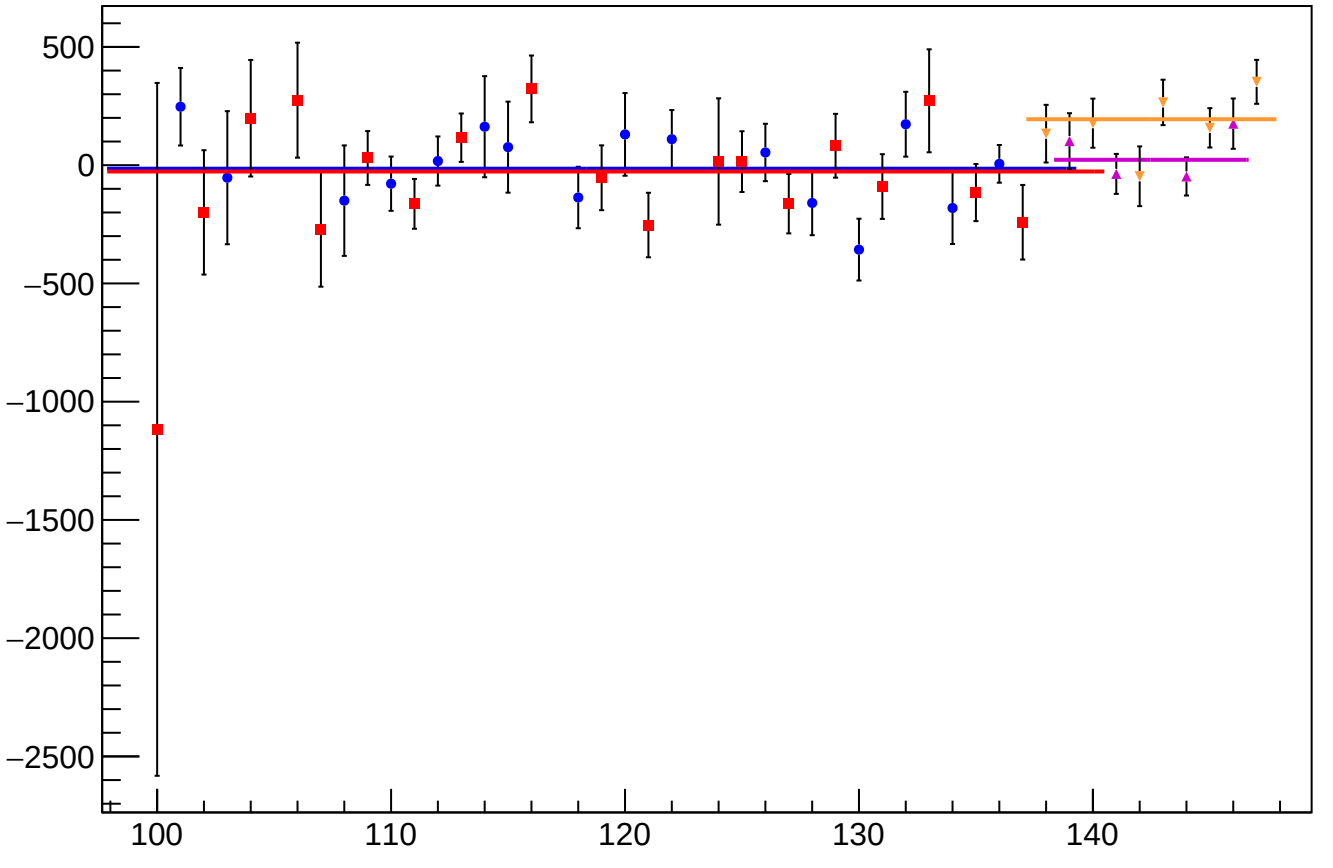
Left: 512.068+/-0.134 χ^2/NDF: 1090144.7/9

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 665.235+/-0.157 χ^2/NDF:3123498.4/19

Out: 668.724+/-0.148 χ^2/NDF:3279526.3/24

All: 667.082+/-0.107 χ^2/NDF: 6403287.4/44



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 194.259+/-41.114 χ^2/NDF:7.6/5

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 22.770+/-46.919 χ^2/NDF:3.8/3

Left: 119.773+/-30.922 χ^2/NDF: 18.9/9

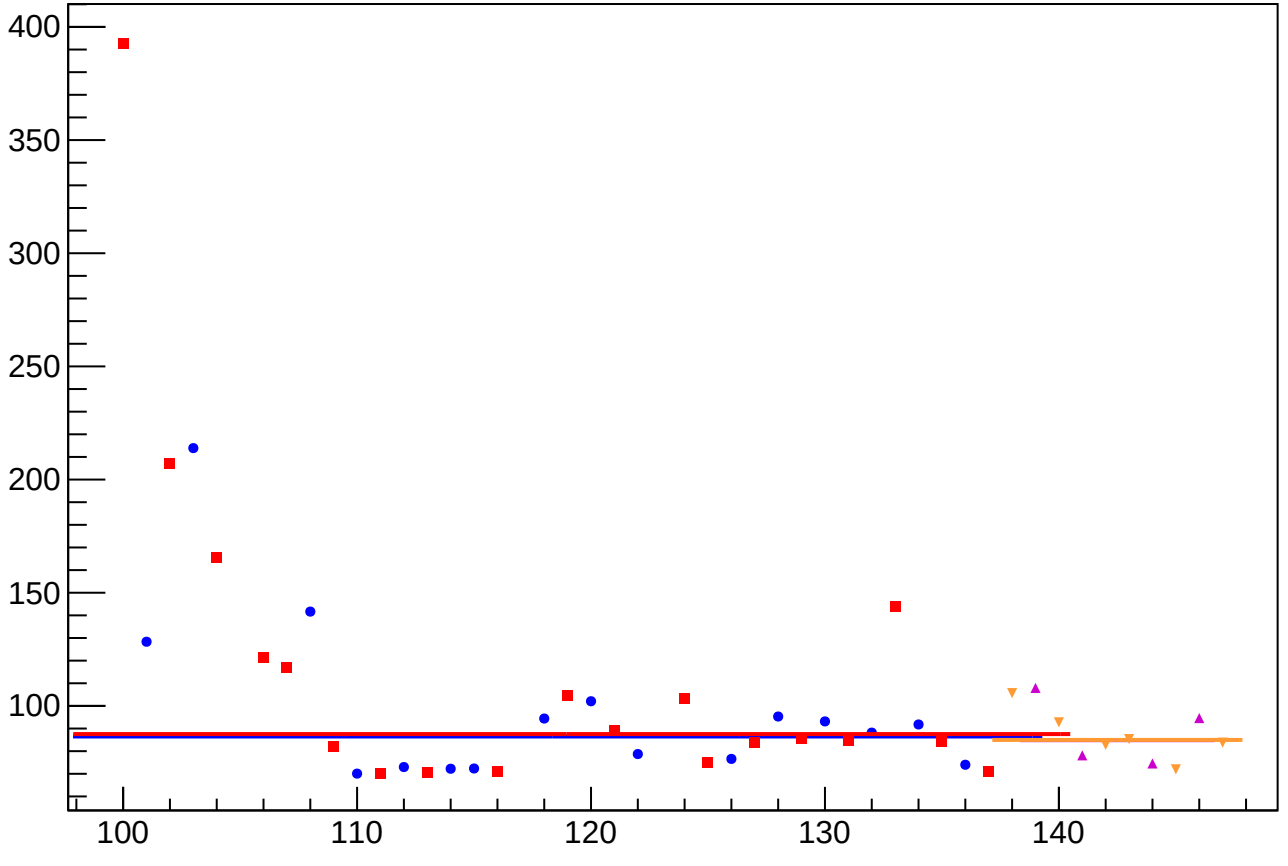
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: -2.085+/-27.404 χ^2/NDF:22.5/19

Out: 63.292+/-26.235 χ^2/NDF:48.3/24

All: 32.028+/-18.951 χ^2/NDF: 73.7/44

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 84.964+/-0.029 χ^2/NDF:118455.6/5

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 84.860+/-0.033 χ^2/NDF:138729.3/3

Left: 84.919+/-0.022 χ^2/NDF: 257190.5/9

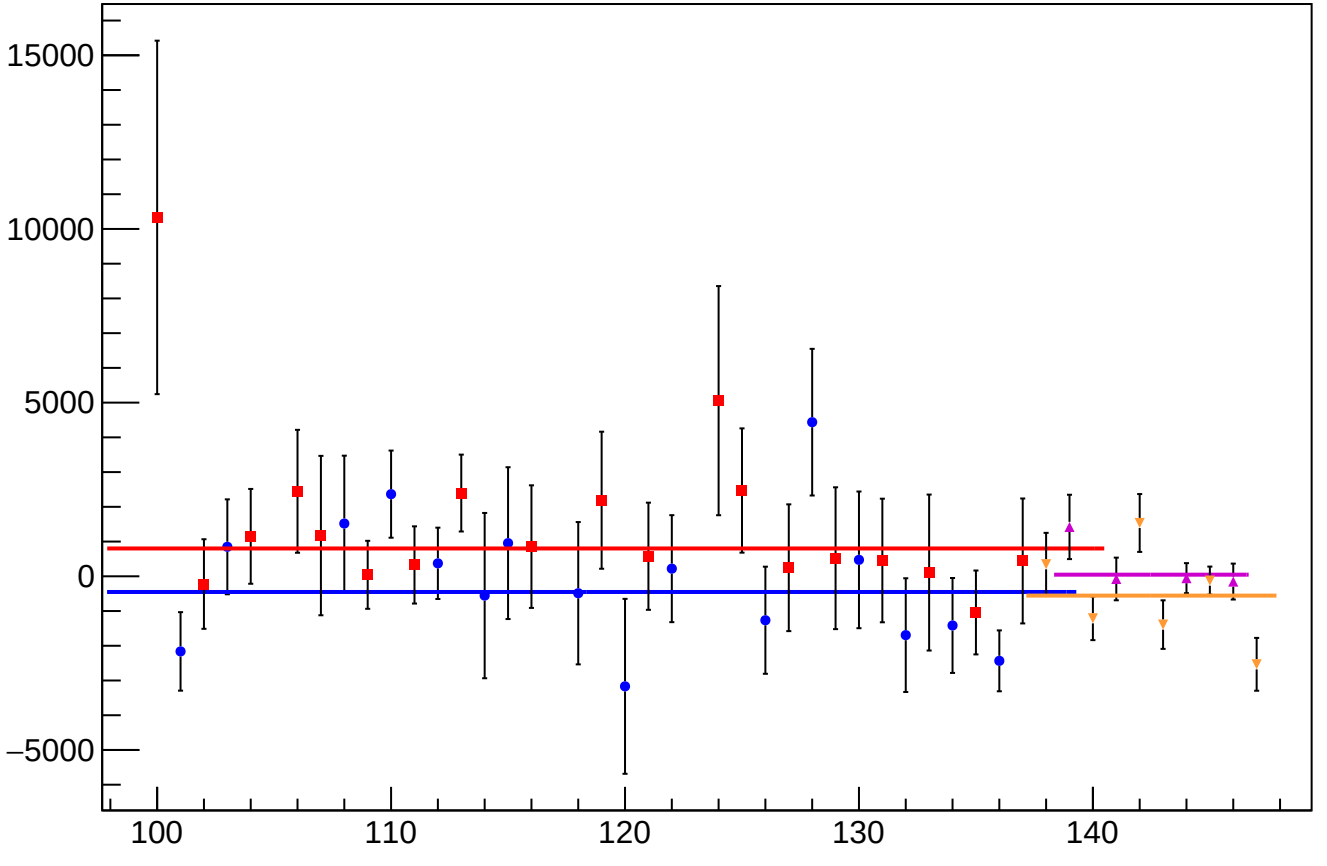
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 85.934+/-0.019 χ^2/NDF:996567.6/19

Out: 86.500+/-0.019 χ^2/NDF:1252955.5/24

All: 86.229+/-0.013 χ^2/NDF: 2249969.1/44

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -556.087+/-257.154 χ^2/NDF:17.7/5

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 46.435+/-278.416 χ^2/NDF:2.4/3

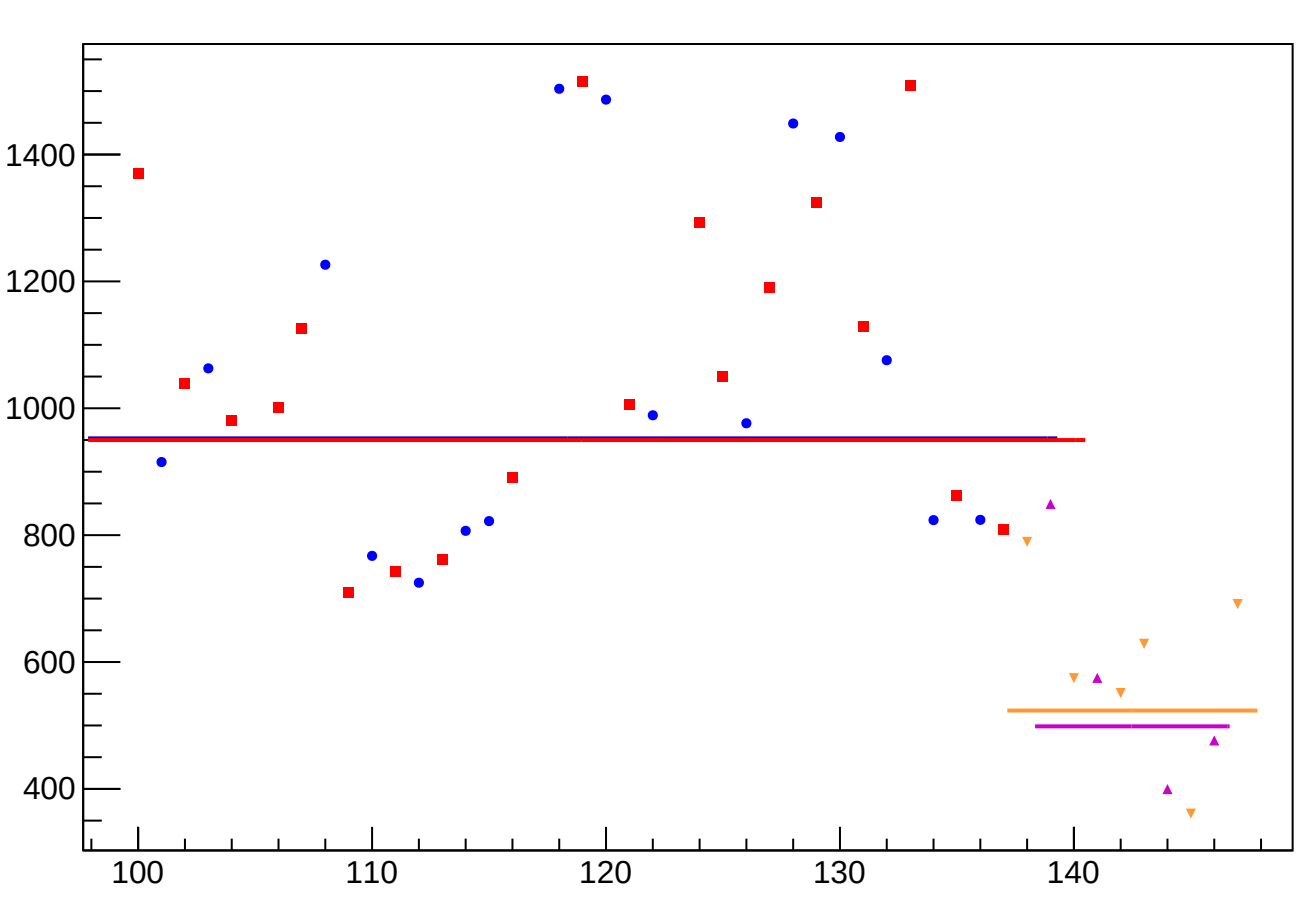
Left: -278.708+/-188.905 χ^2/NDF: 22.7/9

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -136.289+/-221.502 χ^2/NDF:27.3/19

Out: -93.897+/-208.830 χ^2/NDF:40.8/24

All: -113.846+/-151.947 χ^2/NDF: 68.2/44



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 523.541+/-0.182 χ^2/NDF:655791.1/5

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 498.617+/-0.197 χ^2/NDF:425707.4/3

Left: 512.067+/-0.134 χ^2/NDF: 1090148.2/9

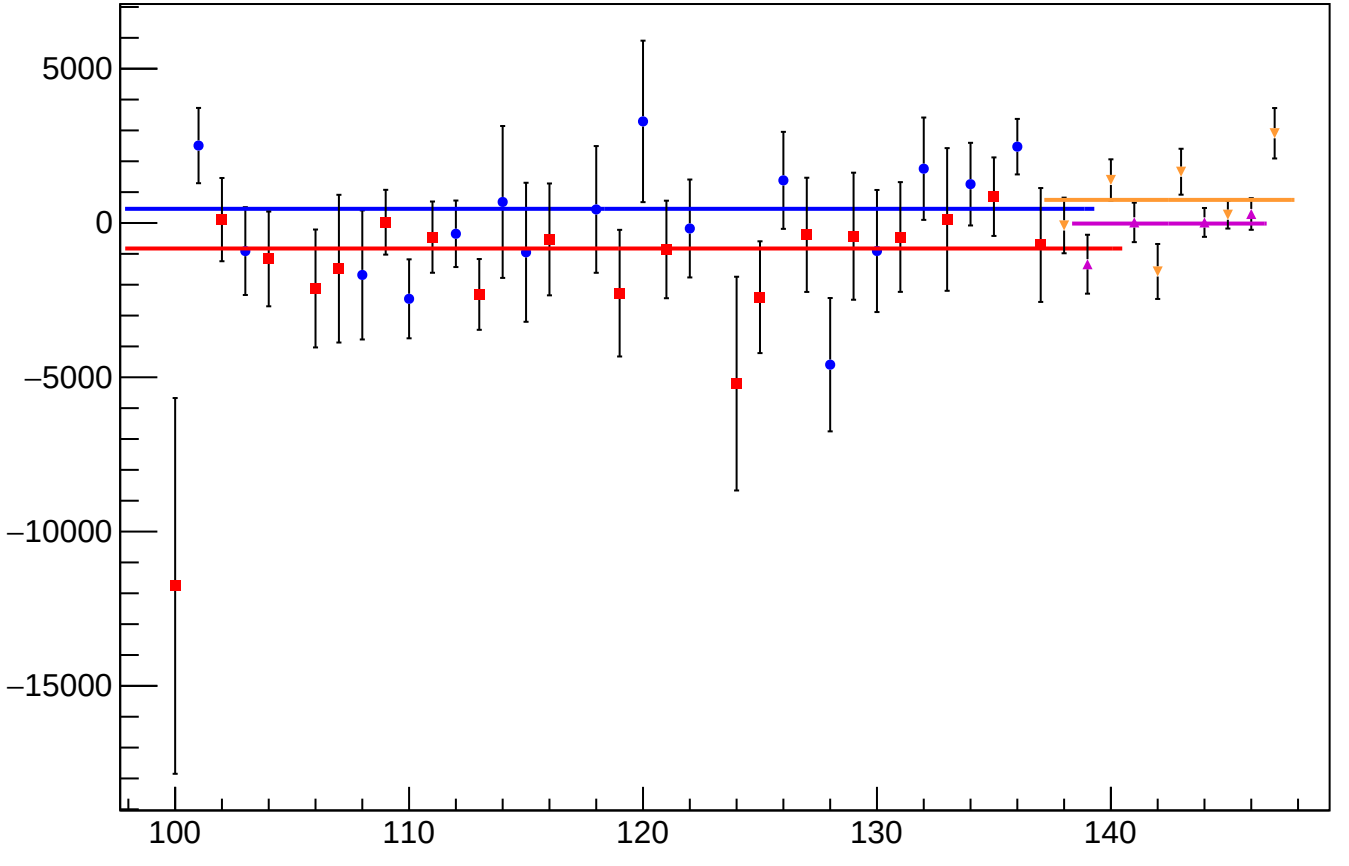
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 665.235+/-0.157 χ^2/NDF:3123496.6/19

Out: 668.723+/-0.148 χ^2/NDF:3279523.9/24

All: 667.081+/-0.107 χ^2/NDF: 6403283.1/44

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 748.748+/-277.443 χ^2/NDF:18.2/5

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -18.493+/-289.701 χ^2/NDF:2.3/3

Left: 381.704+/-200.375 χ^2/NDF: 24.1/9

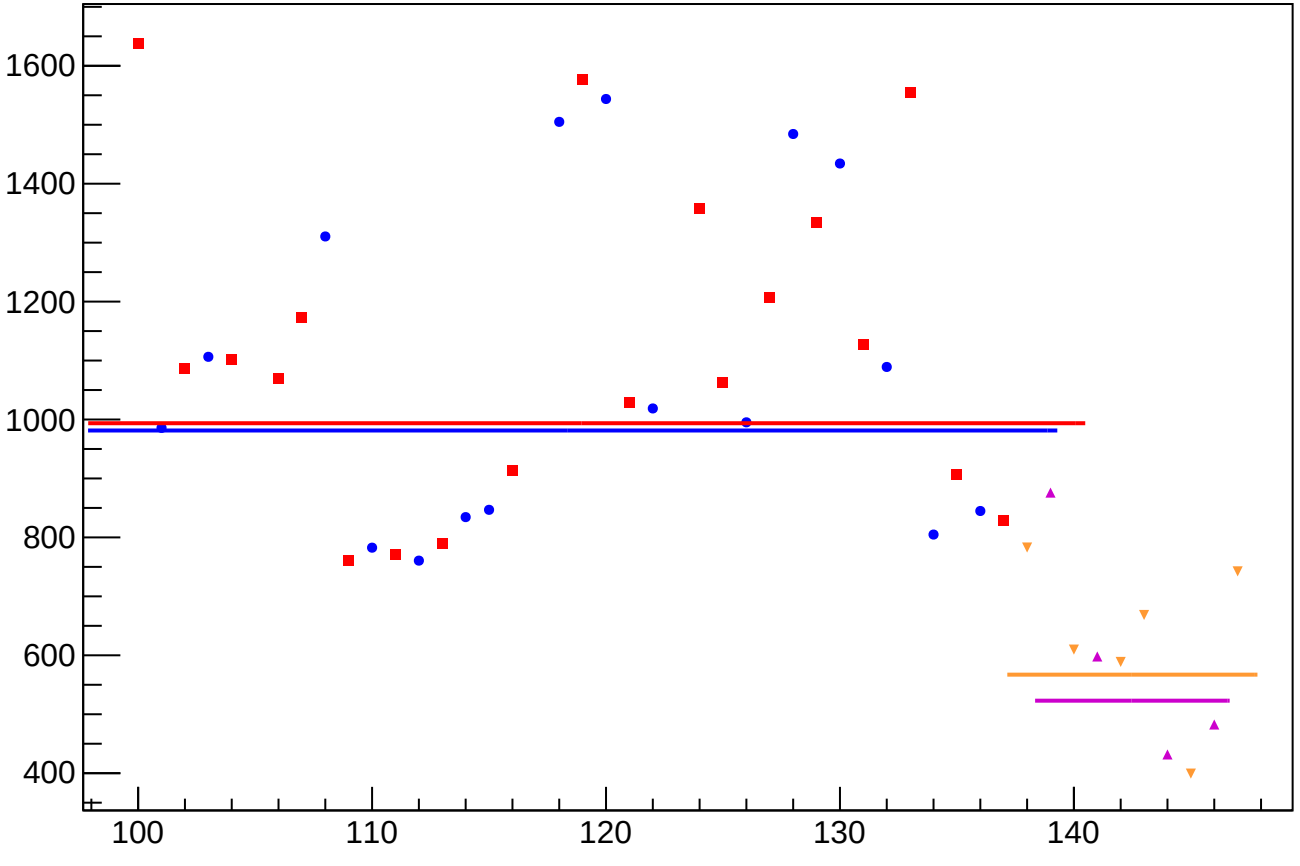
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 158.910+/-229.683 χ^2/NDF:27.9/19

Out: 190.048+/-222.877 χ^2/NDF:41.3/24

All: 174.947+/-159.950 χ^2/NDF: 69.1/44

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 567.170+/-0.196 χ^2/NDF:532301.9/5

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 523.021+/-0.205 χ^2/NDF:389411.8/3

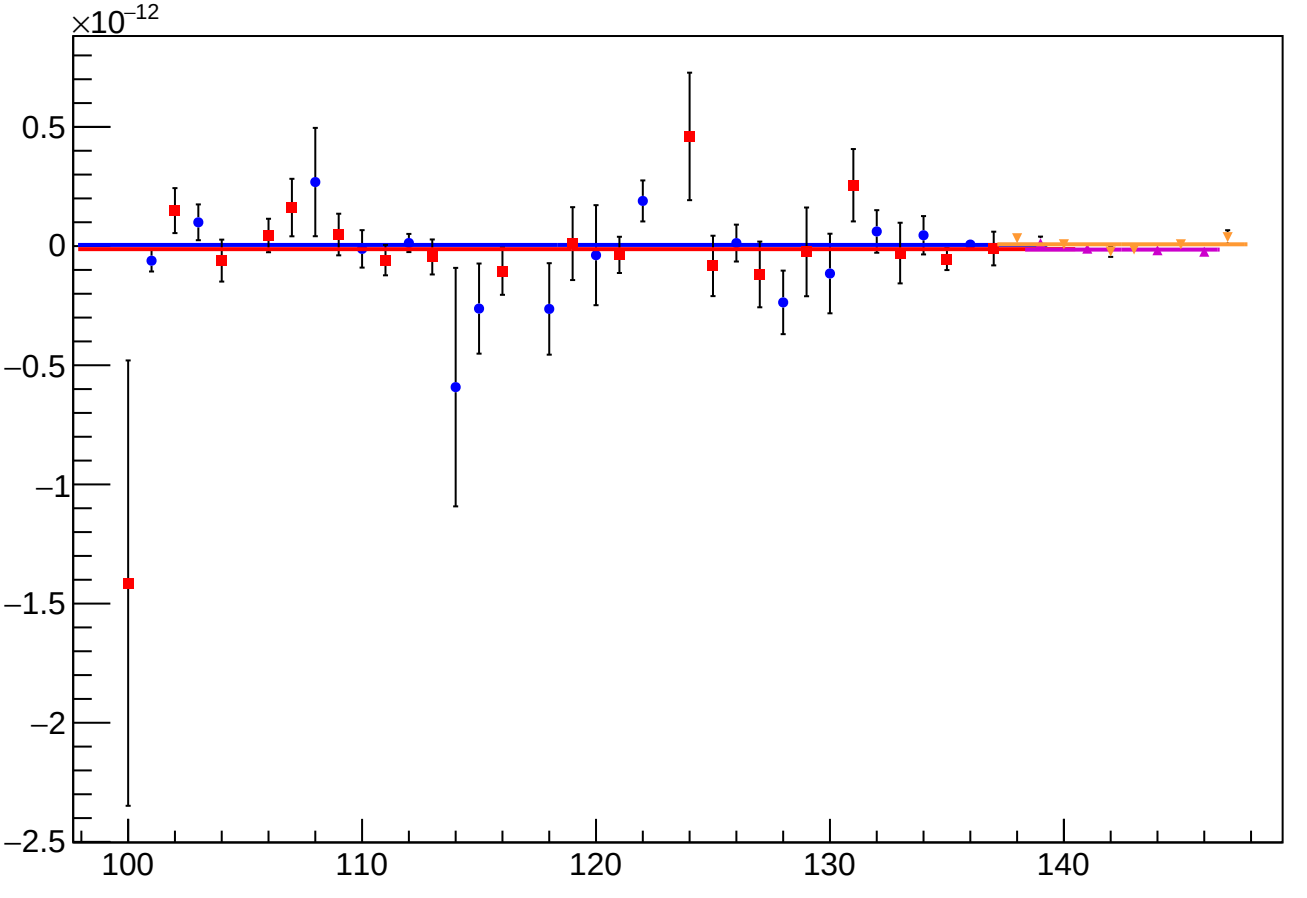
Left: 546.049+/-0.142 χ^2/NDF: 945941.8/9

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 693.255+/-0.162 χ^2/NDF:2986344.6/19

Out: 718.441+/-0.158 χ^2/NDF:2928476.1/24

All: 706.226+/-0.113 χ^2/NDF: 5927206.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:1.4/3

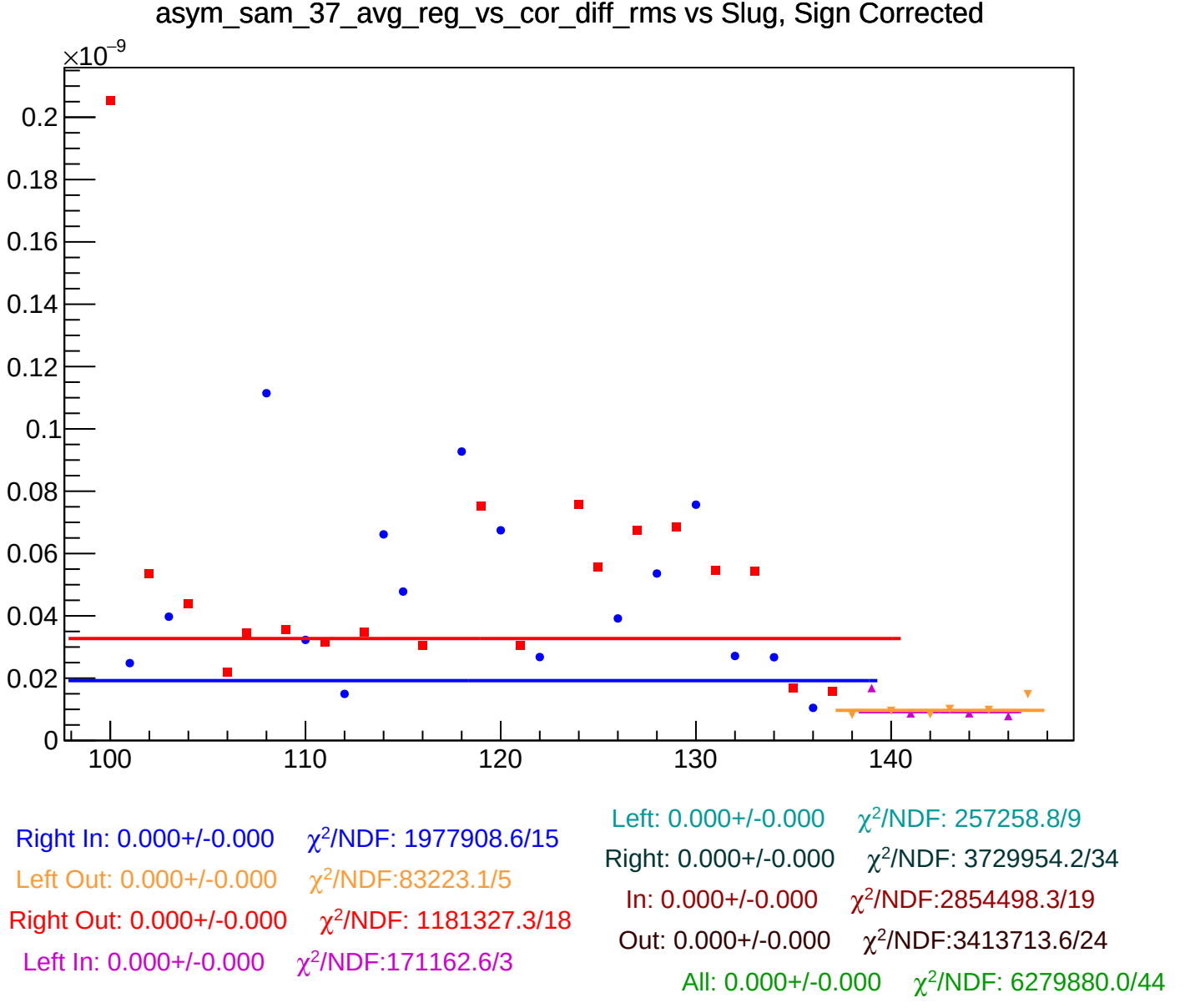
Left: -0.000+/-0.000 χ^2/NDF: 11.1/9

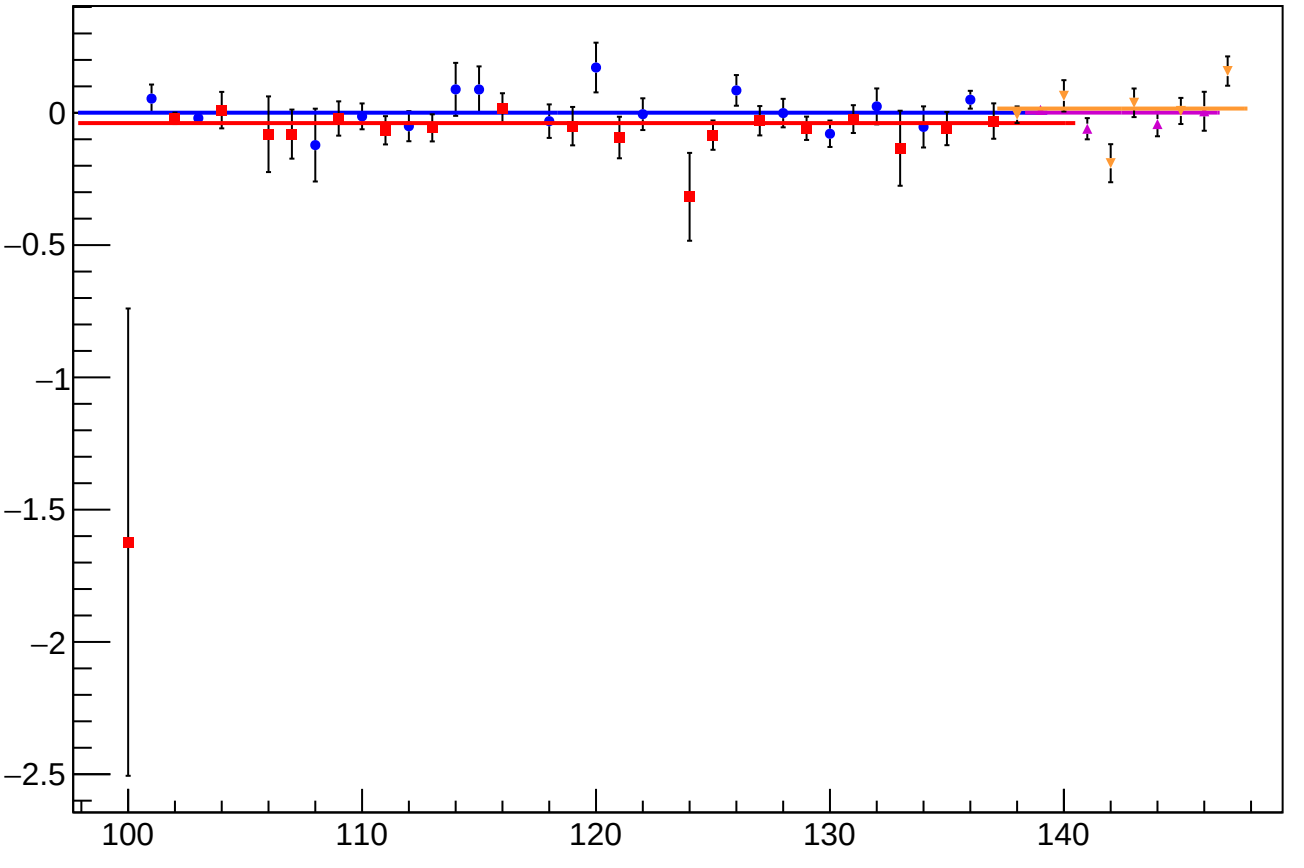
Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:22.4/19

Out: 0.000+/-0.000 χ^2/NDF:25.4/24

All: -0.000+/-0.000 χ^2/NDF: 49.7/44


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:83223.1/5
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:171162.6/3
Left: 0.000+/-0.000 χ²/NDF: 257258.8/9
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:2854498.3/19
Out: 0.000+/-0.000 χ²/NDF:3413713.6/24
All: 0.000+/-0.000 χ²/NDF: 6279880.0/44



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/3

Left: 0.005+/-0.010 χ^2/NDF: 20.4/9

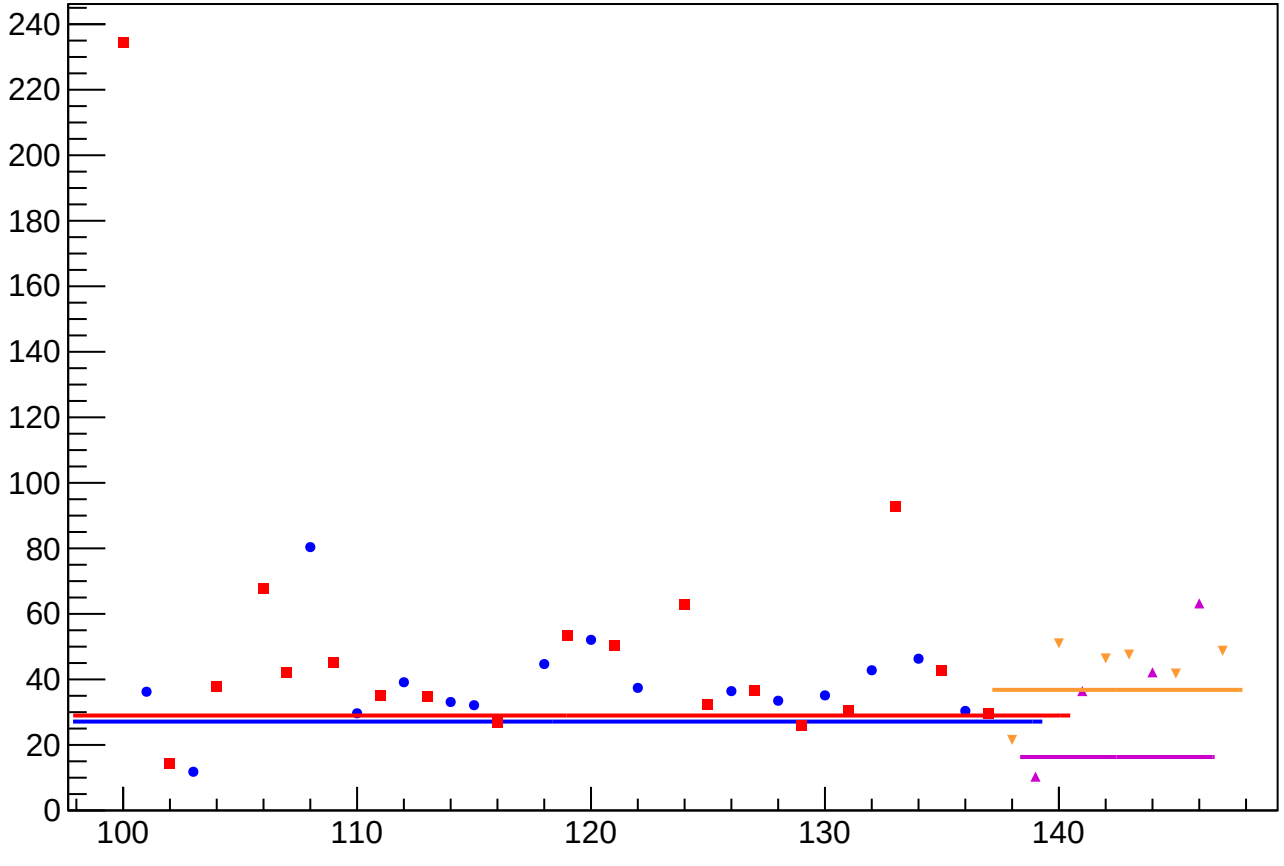
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/19

Out: -0.023+/-0.011 χ^2/NDF:32.8/24

All: -0.009+/-0.007 χ^2/NDF: 56.0/44

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 36.812+/-0.014 χ^2/NDF:816371.3/5

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 16.319+/-0.009 χ^2/NDF:2337833.8/3

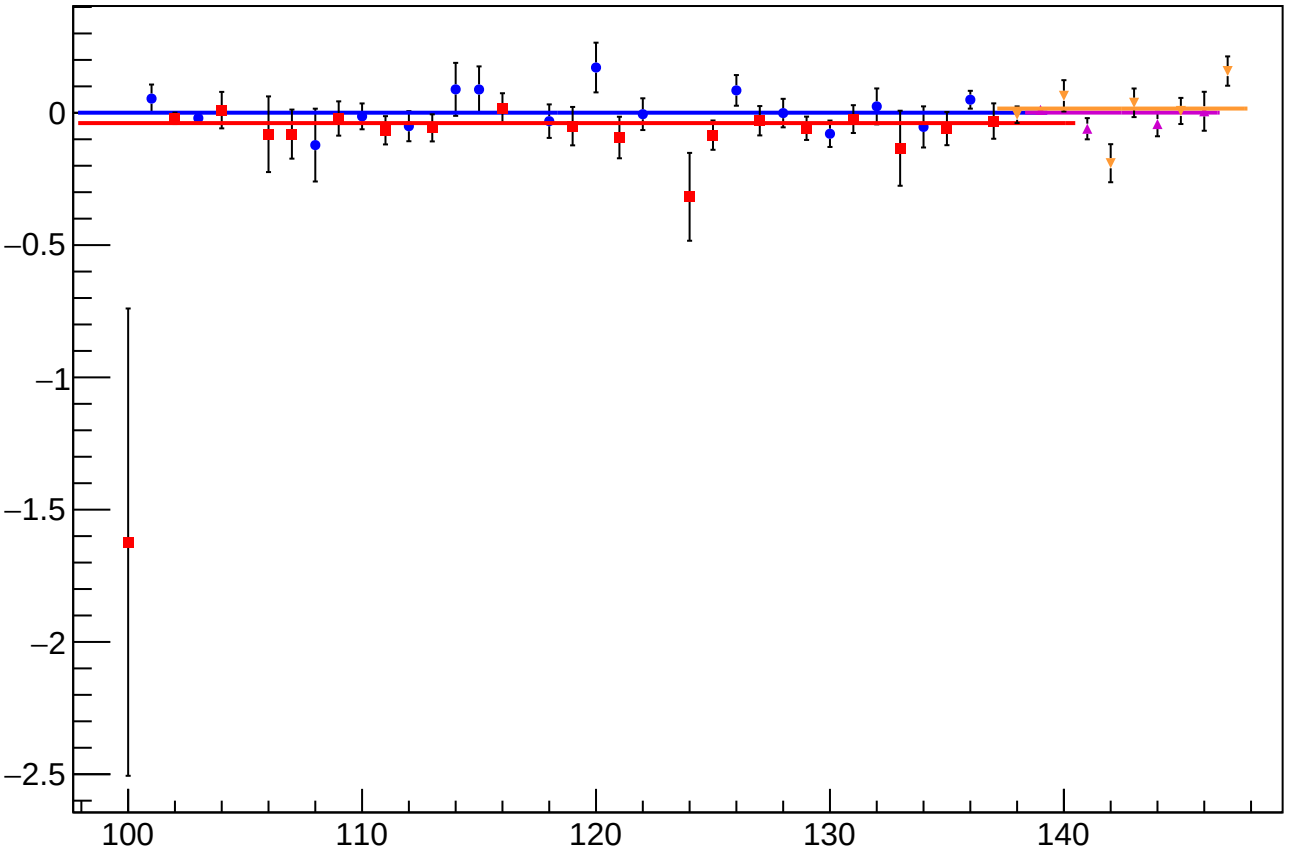
Left: 21.932+/-0.007 χ^2/NDF: 4722884.1/9

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 21.758+/-0.006 χ^2/NDF:5554902.7/19

Out: 31.259+/-0.008 χ^2/NDF:3496371.1/24

All: 25.479+/-0.005 χ^2/NDF: 10021684.4/44



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/3

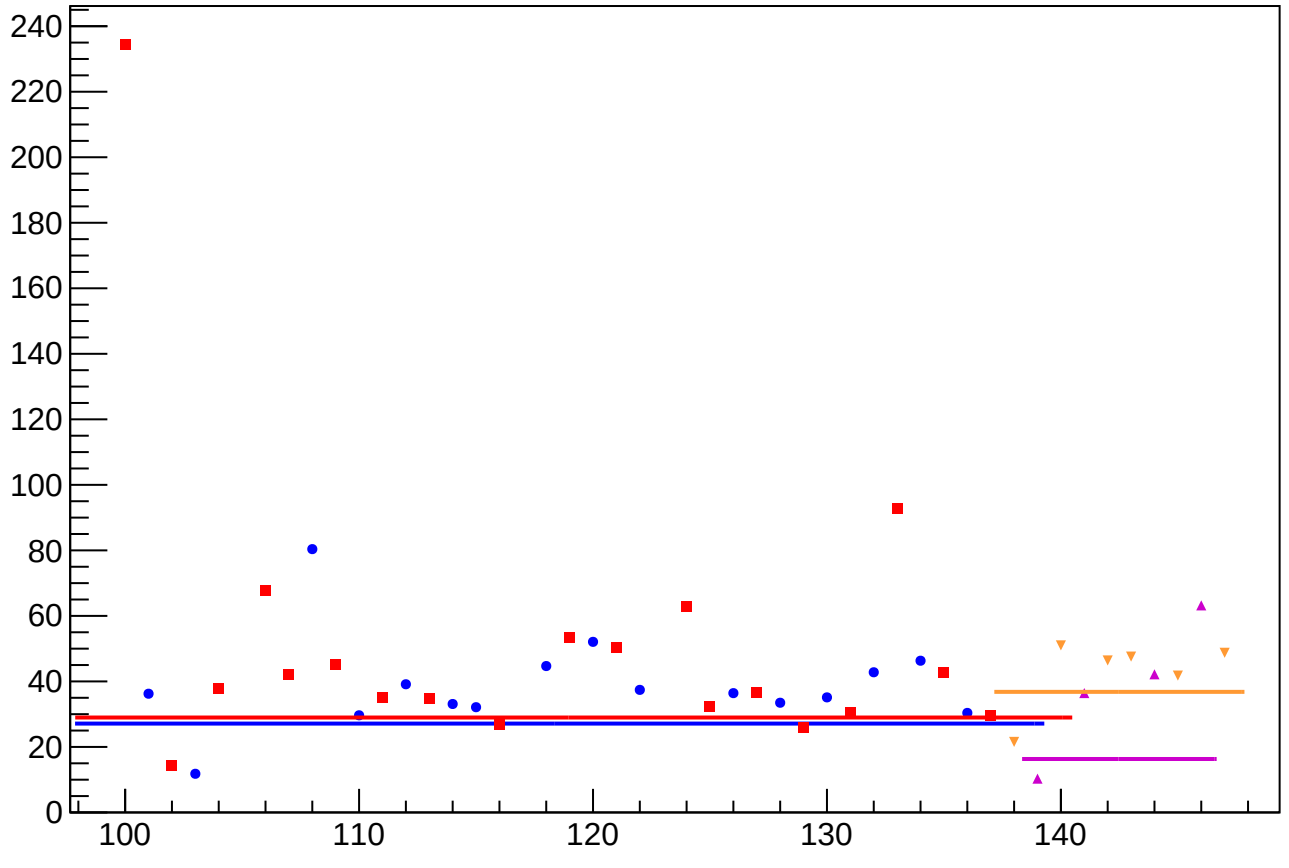
Left: 0.005+/-0.010 χ^2/NDF: 20.4/9

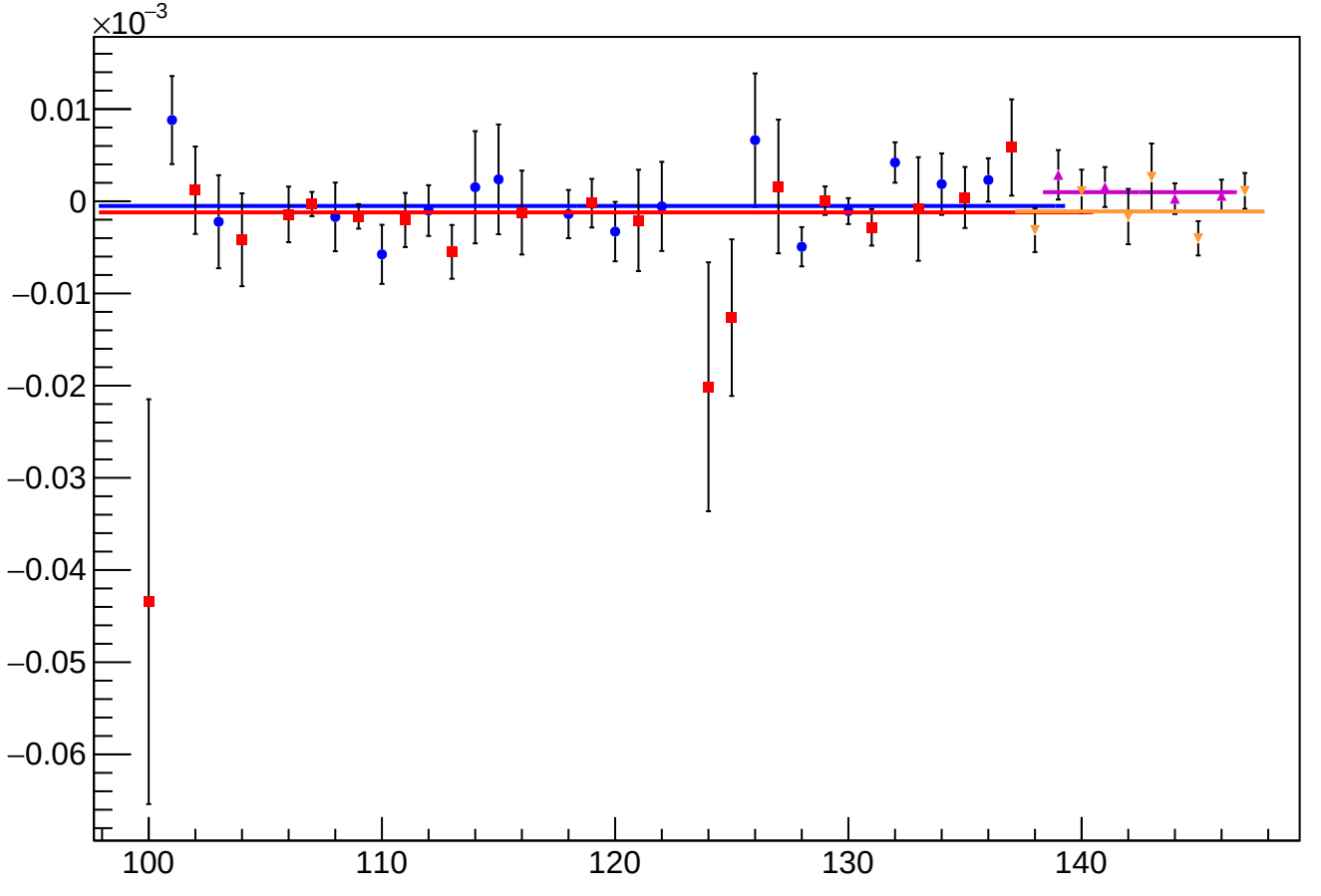
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/19

Out: -0.023+/-0.011 χ^2/NDF:32.8/24

All: -0.009+/-0.007 χ^2/NDF: 56.0/44


asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
240
220
200
180
160
140
120
100
80
60
40
20
0
100
110
120
130
140
Right In: 27.128+/-0.009 χ²/NDF: 2415316.1/15
Left Out: 36.812+/-0.014 χ²/NDF:816371.3/5
Right Out: 28.979+/-0.009 χ²/NDF: 2456254.0/18
Left In: 16.319+/-0.009 χ²/NDF:2337833.8/3
Left: 21.932+/-0.007 χ²/NDF: 4722884.1/9
Right: 28.008+/-0.006 χ²/NDF: 4894073.5/34
In: 21.758+/-0.006 χ²/NDF:5554902.7/19
Out: 31.259+/-0.008 χ²/NDF:3496371.1/24
All: 25.479+/-0.005 χ²/NDF: 10021684.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.8/3

Left: -0.000+/-0.000 χ^2/NDF: 9.6/9

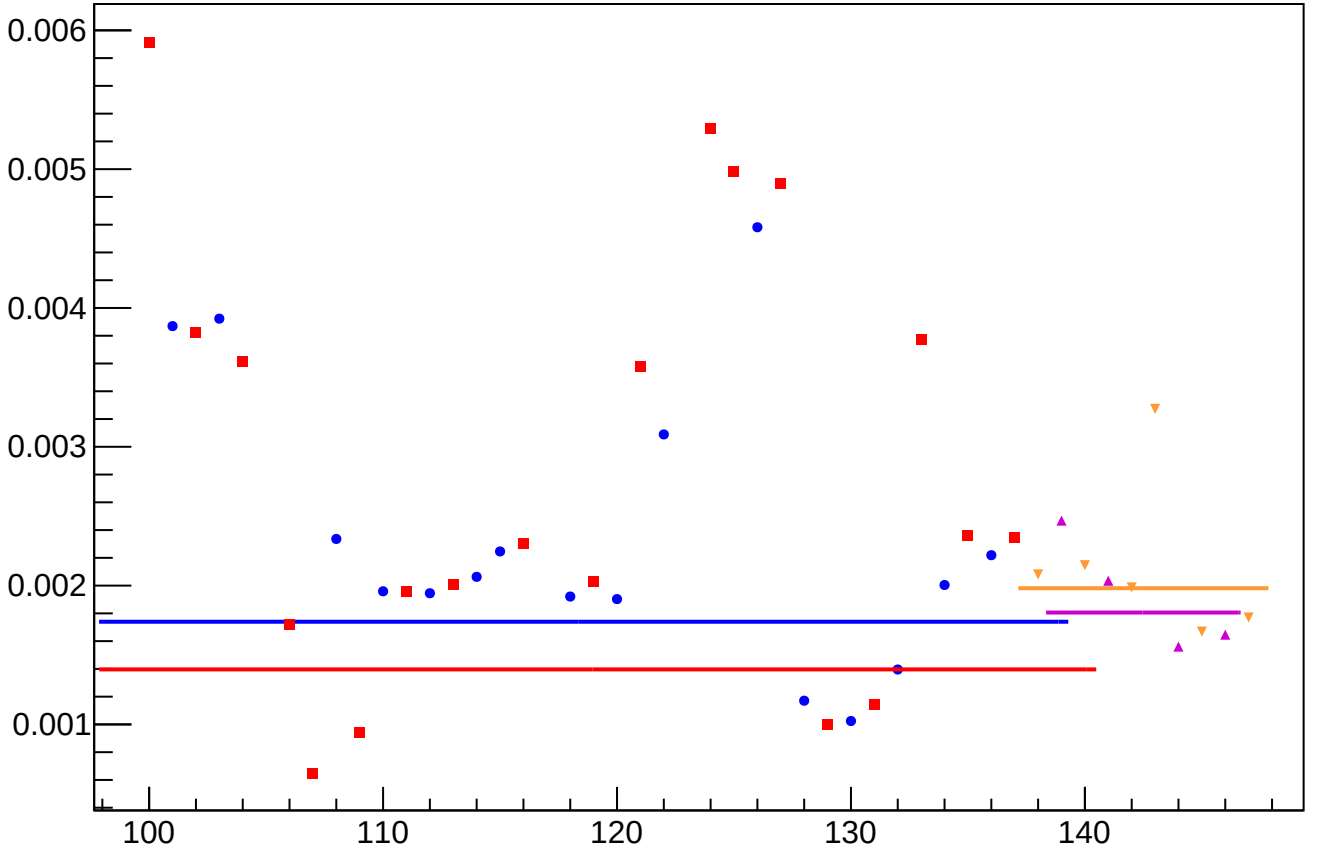
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: 0.000+/-0.000 χ^2/NDF:22.3/19

Out: -0.000+/-0.000 χ^2/NDF:21.1/24

All: -0.000+/-0.000 χ^2/NDF: 45.7/44

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:346513.2/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:203970.1/3

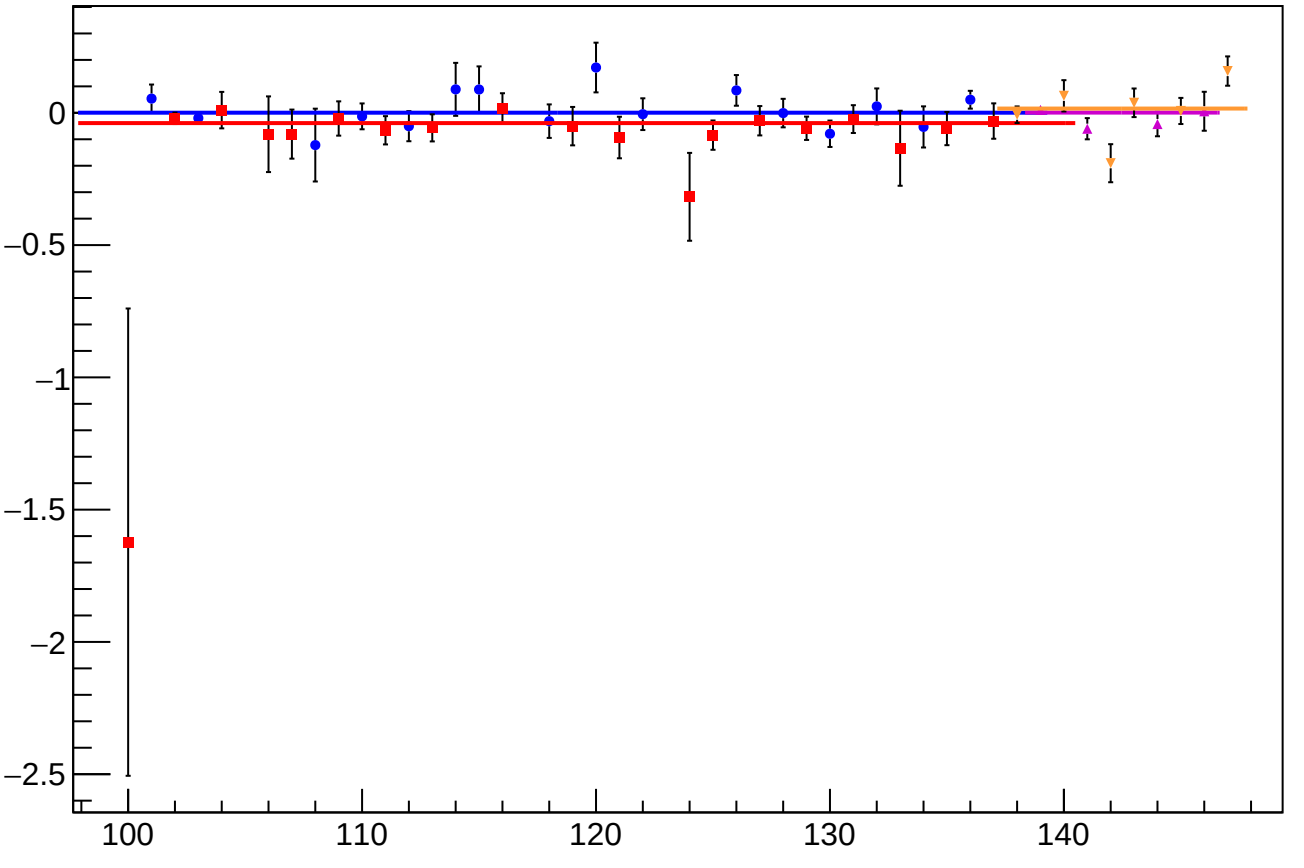
Left: 0.002+/-0.000 χ^2/NDF: 583258.7/9

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2356722.9/19

Out: 0.002+/-0.000 χ^2/NDF:5202102.8/24

All: 0.002+/-0.000 χ^2/NDF: 7687035.8/44



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/3

Left: 0.005+/-0.010 χ^2/NDF: 20.4/9

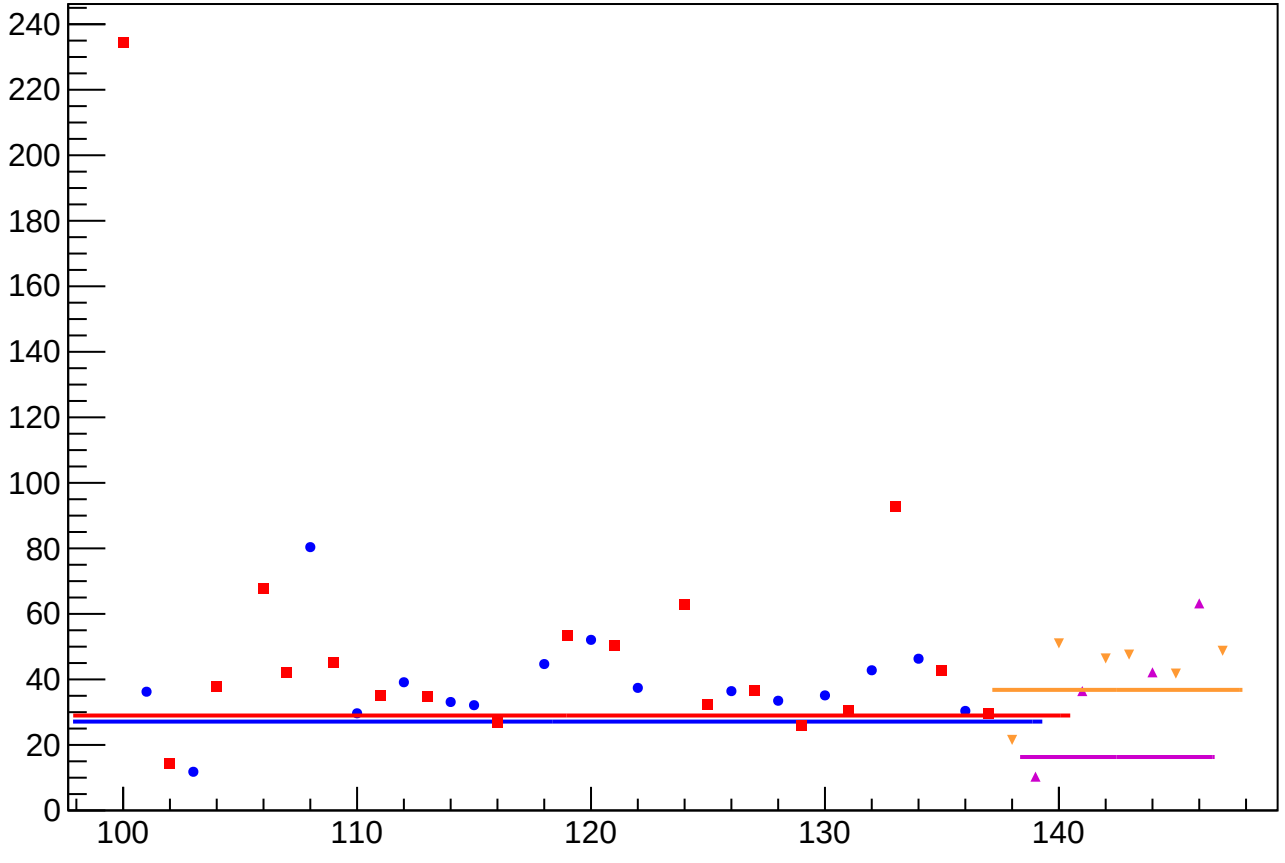
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/19

Out: -0.023+/-0.011 χ^2/NDF:32.8/24

All: -0.009+/-0.007 χ^2/NDF: 56.0/44

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: 36.810+/-0.014 χ^2/NDF:816722.3/5

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 16.317+/-0.009 χ^2/NDF:2338094.2/3

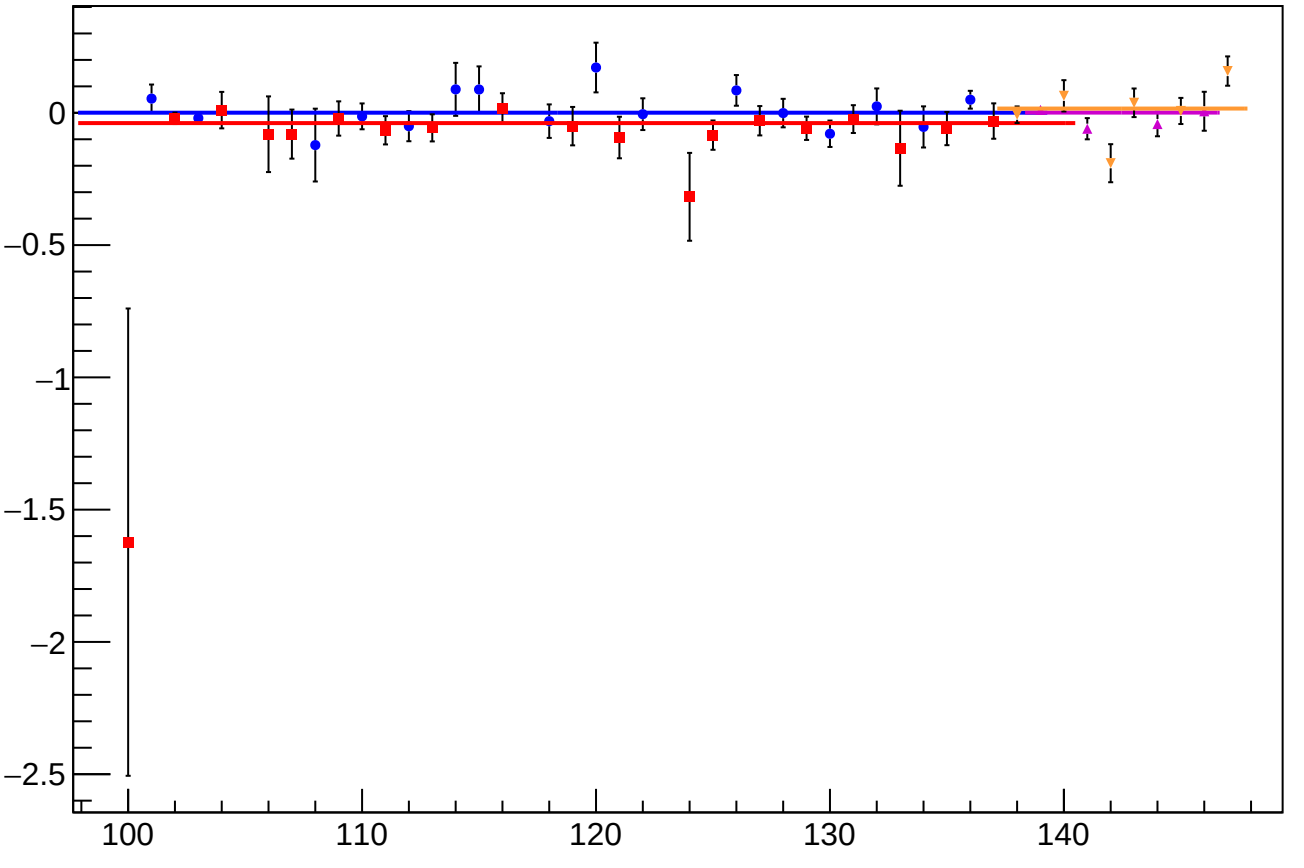
Left: 21.930+/-0.007 χ^2/NDF: 4723564.0/9

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 21.757+/-0.006 χ^2/NDF:5555737.7/19

Out: 31.261+/-0.008 χ^2/NDF:3495838.3/24

All: 25.478+/-0.005 χ^2/NDF: 10022640.8/44



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.016+/-0.020 χ^2/NDF:16.2/5

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.001+/-0.012 χ^2/NDF:3.8/3

Left: 0.005+/-0.010 χ^2/NDF: 20.4/9

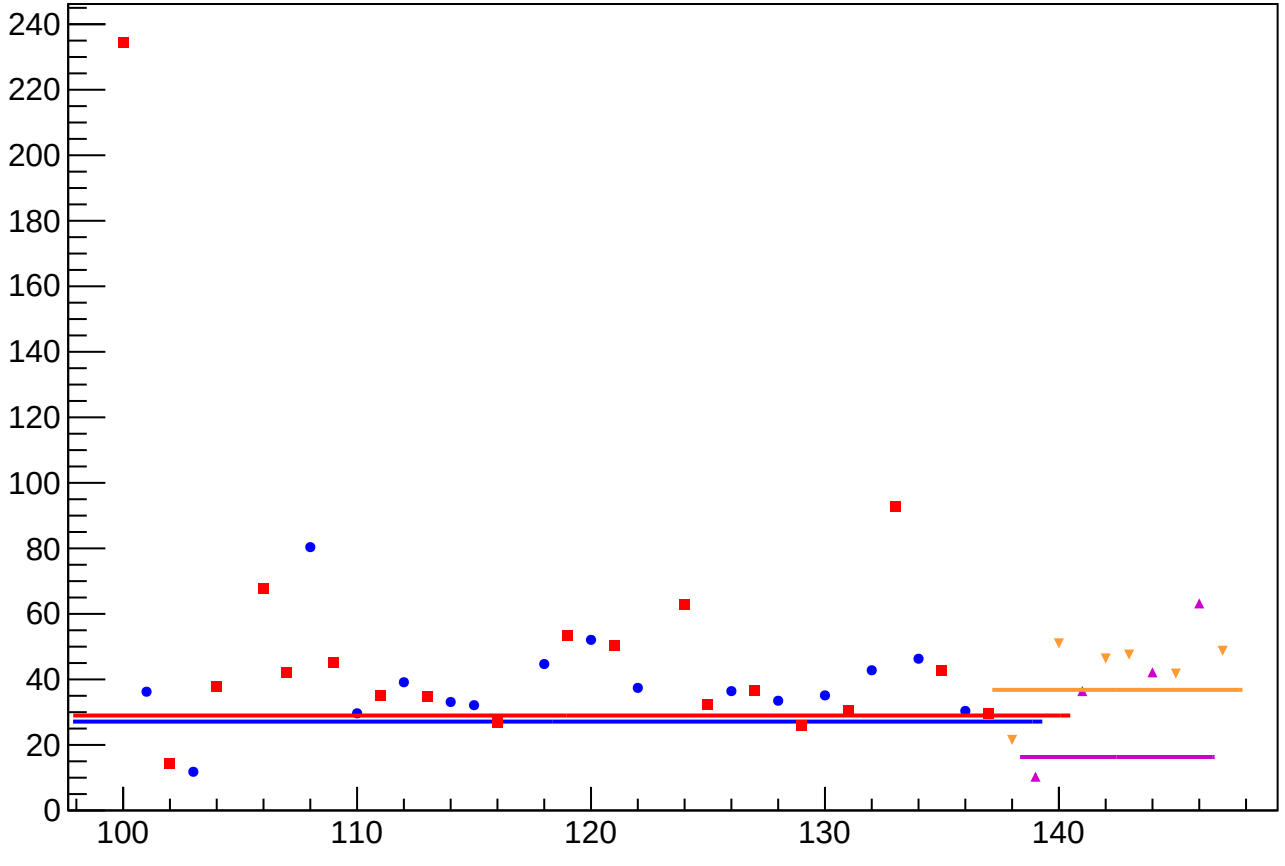
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.001+/-0.009 χ^2/NDF:20.3/19

Out: -0.023+/-0.011 χ^2/NDF:32.8/24

All: -0.009+/-0.007 χ^2/NDF: 56.0/44

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: 36.810+/-0.014 χ^2/NDF:816722.3/5

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 16.317+/-0.009 χ^2/NDF:2338094.2/3

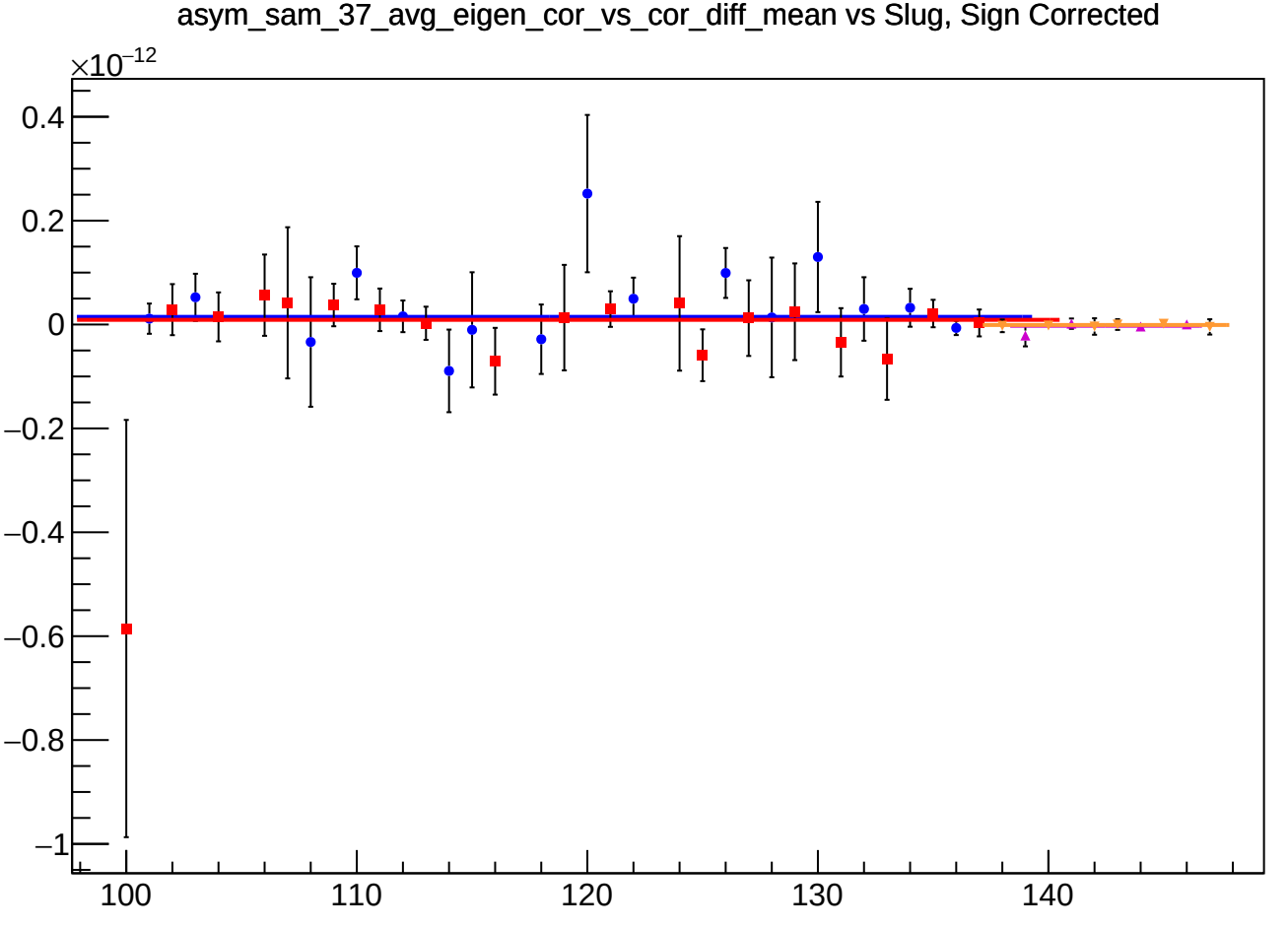
Left: 21.930+/-0.007 χ^2/NDF: 4723564.0/9

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 21.757+/-0.006 χ^2/NDF:5555737.7/19

Out: 31.261+/-0.008 χ^2/NDF:3495838.3/24

All: 25.478+/-0.005 χ^2/NDF: 10022640.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:0.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.1/3

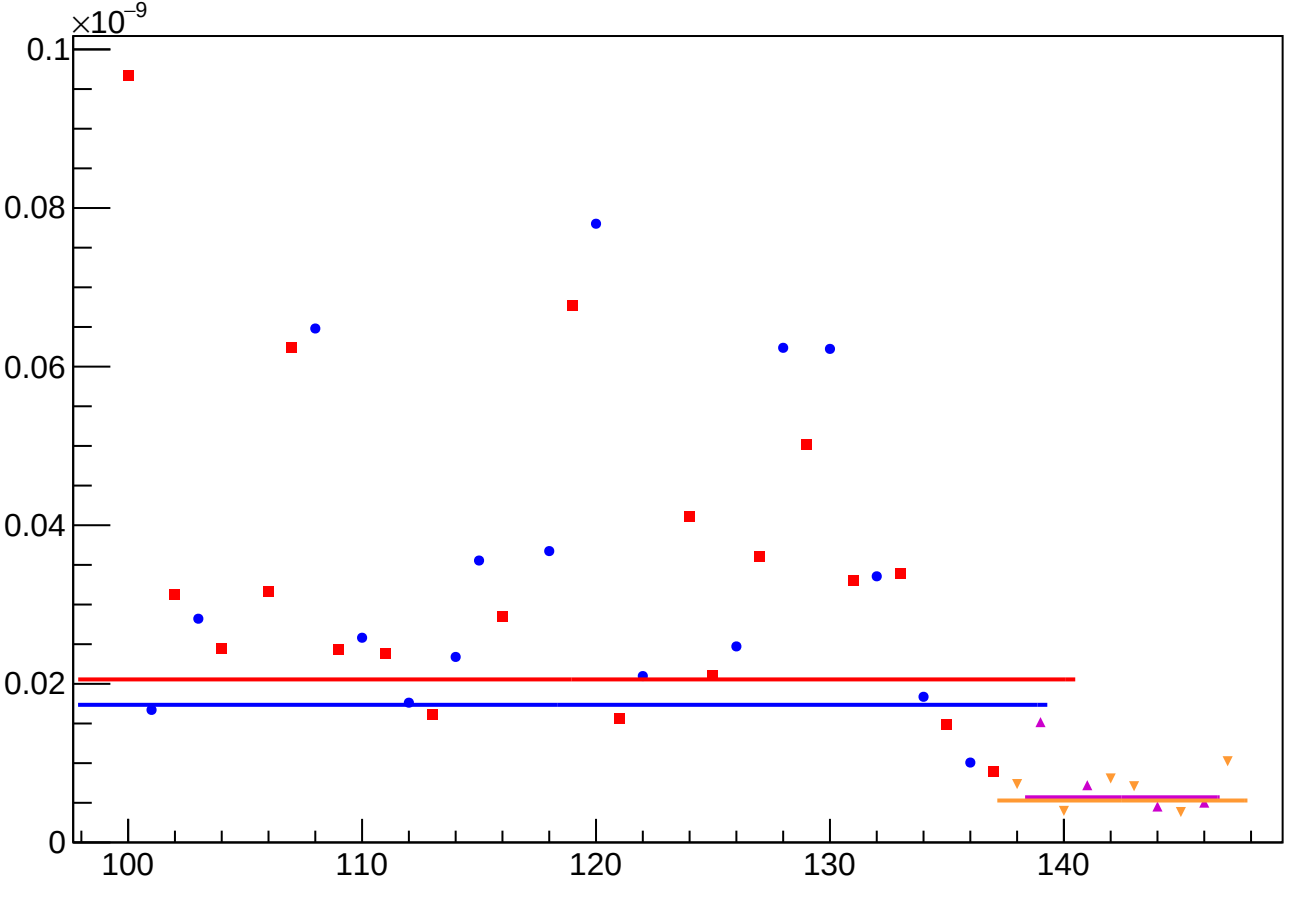
Left: -0.000+/-0.000 χ^2/NDF: 1.5/9

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:19.8/19

Out: 0.000+/-0.000 χ^2/NDF:10.1/24

All: 0.000+/-0.000 χ^2/NDF: 29.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:585616.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:539315.0/3

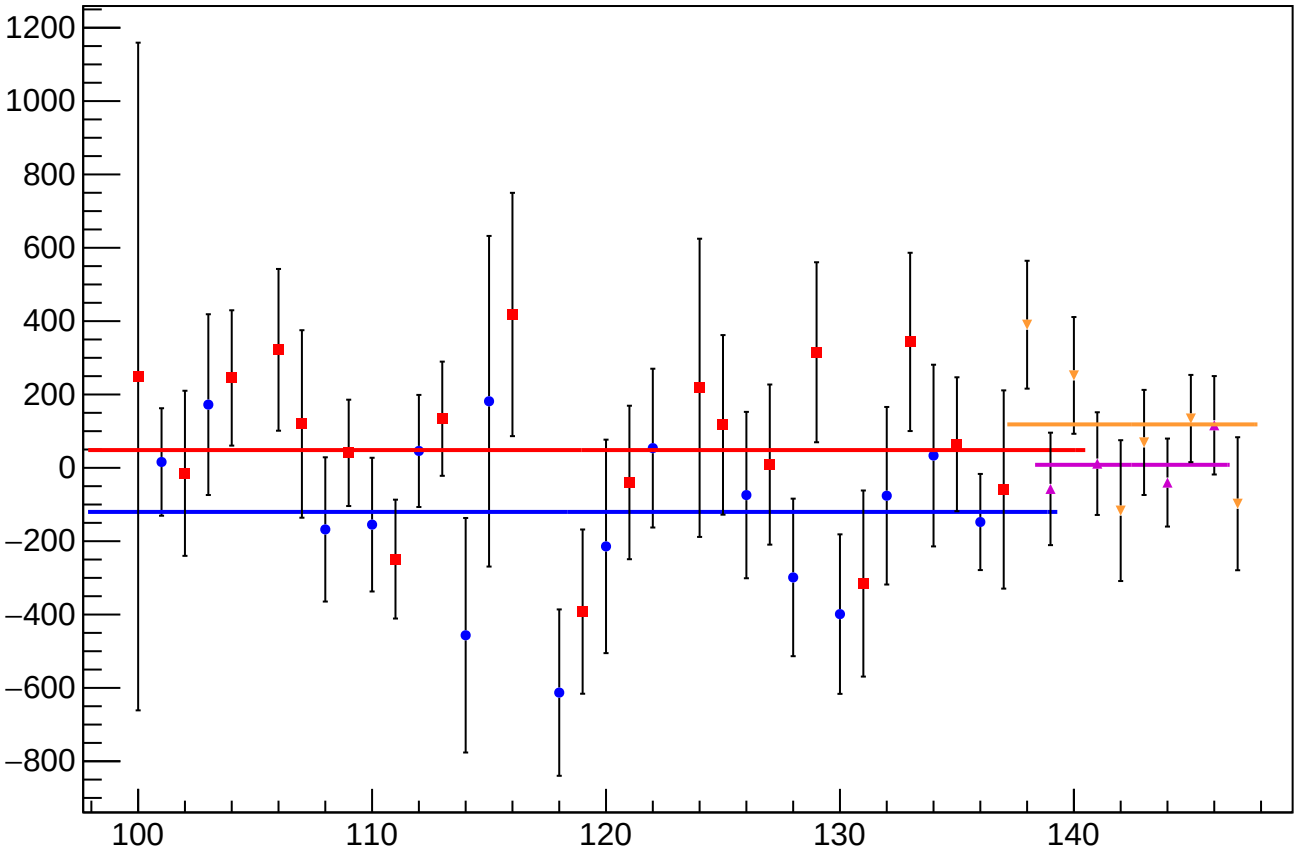
Left: 0.000+/-0.000 χ^2/NDF: 1134650.6/9

Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:5478097.8/19

Out: 0.000+/-0.000 χ^2/NDF:6065613.3/24

All: 0.000+/-0.000 χ^2/NDF: 11597672.2/44



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 118.467+/-63.326 χ^2/NDF:6.2/5

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 8.253+/-67.641 χ^2/NDF:1.0/3

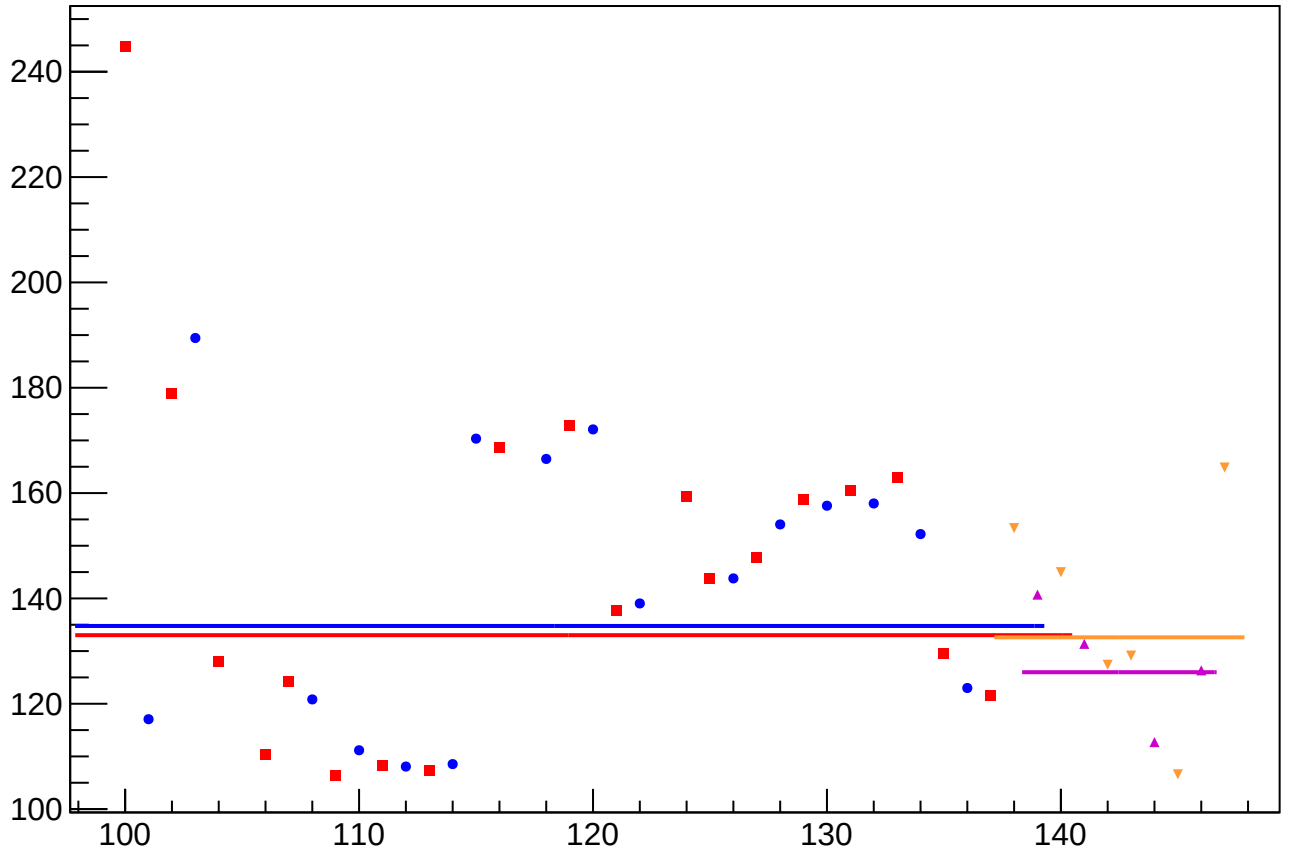
Left: 66.987+/-46.229 χ^2/NDF: 8.6/9

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -73.497+/-40.775 χ^2/NDF:16.7/19

Out: 75.276+/-39.199 χ^2/NDF:23.9/24

All: 3.820+/-28.258 χ^2/NDF: 47.6/44



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 132.610+/-0.045 χ^2/NDF:201986.4/5

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

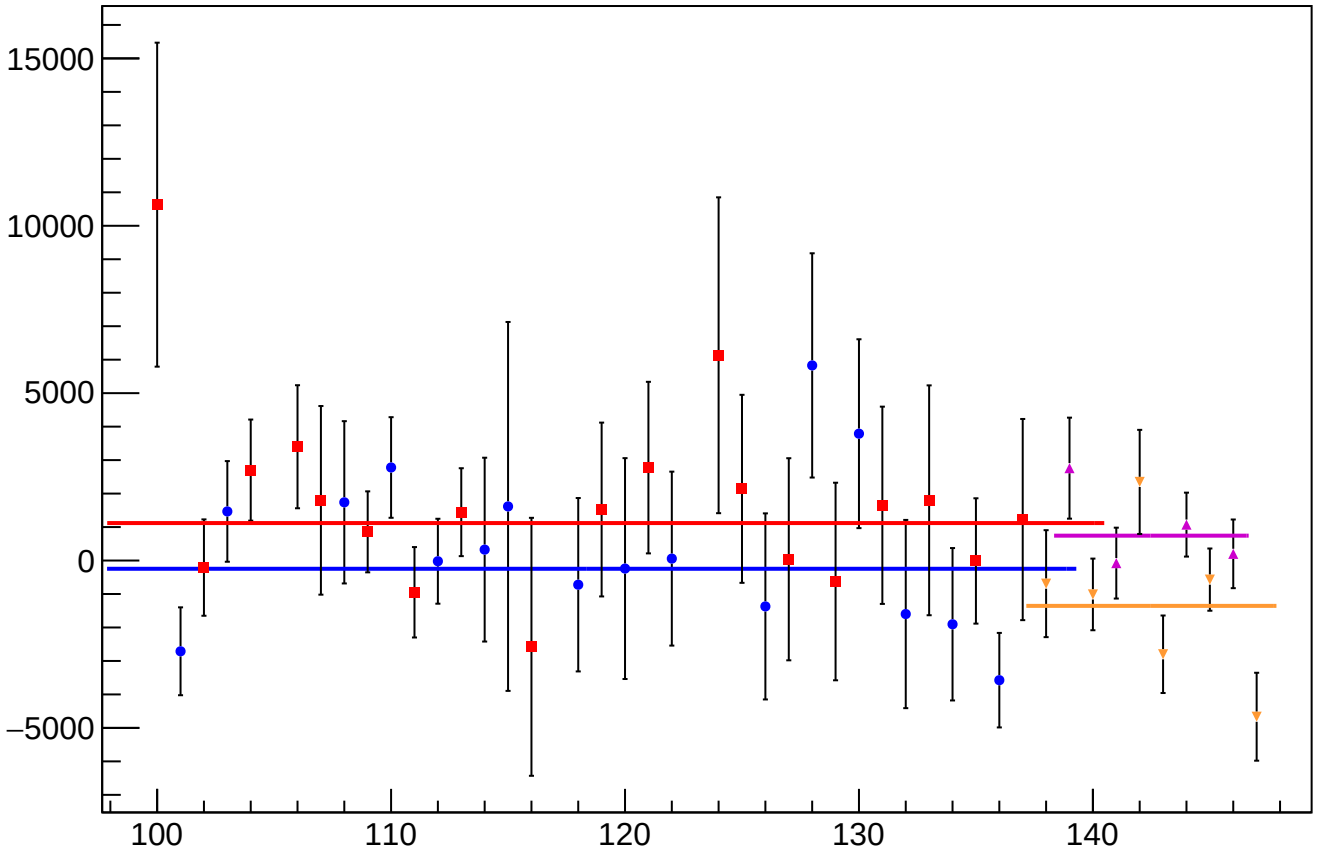
Left: 129.518+/-0.033 χ^2/NDF: 258091.8/9

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 131.580+/-0.029 χ^2/NDF:484132.3/19

Out: 132.863+/-0.028 χ^2/NDF:697754.9/24

All: 132.247+/-0.020 χ^2/NDF: 1182914.9/44



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1354.540+/-490.150 χ^2/NDF:14.6/5

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 742.876+/-544.061 χ^2/NDF:2.8/3

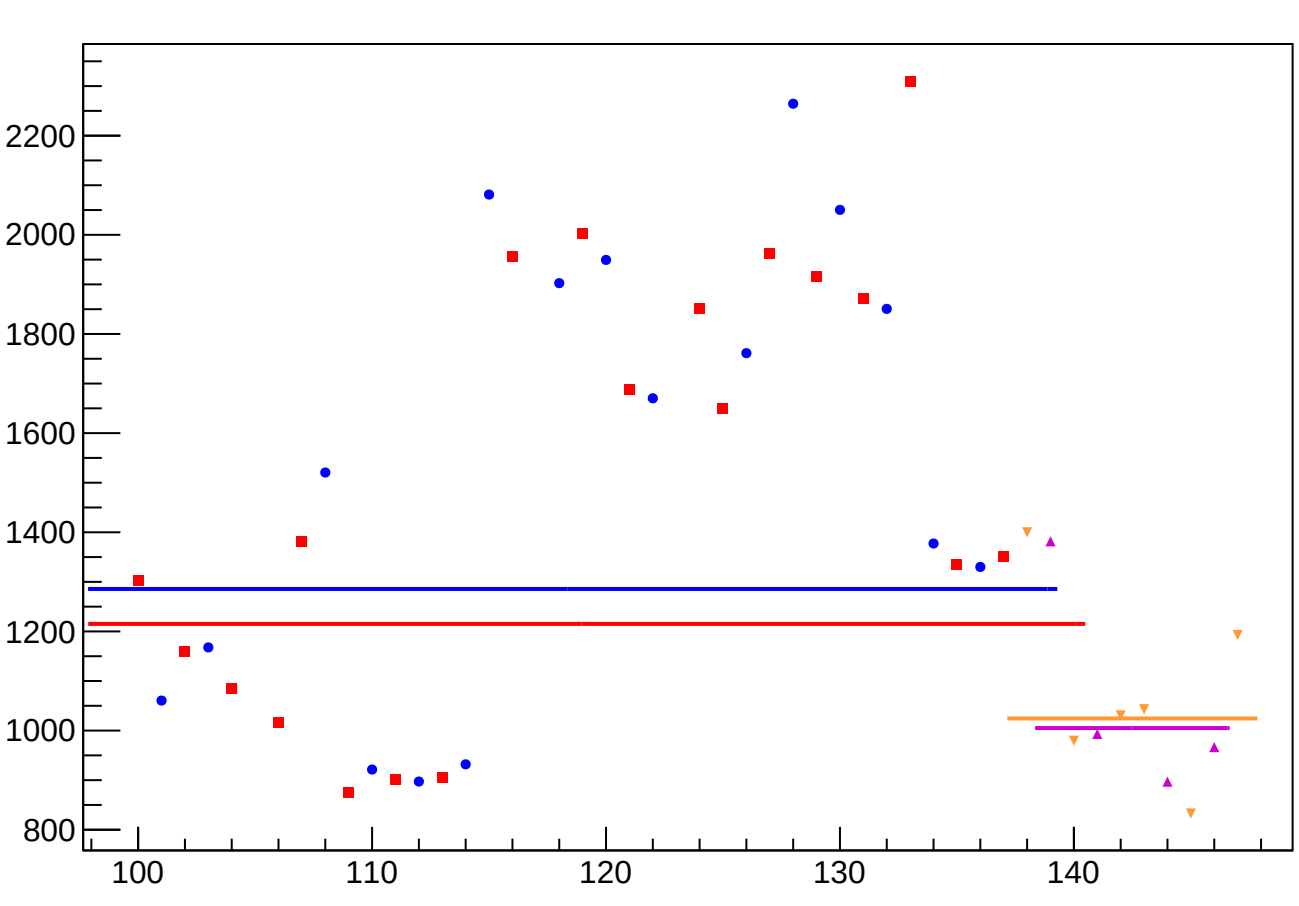
Left: -414.868+/-364.161 χ^2/NDF: 25.6/9

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

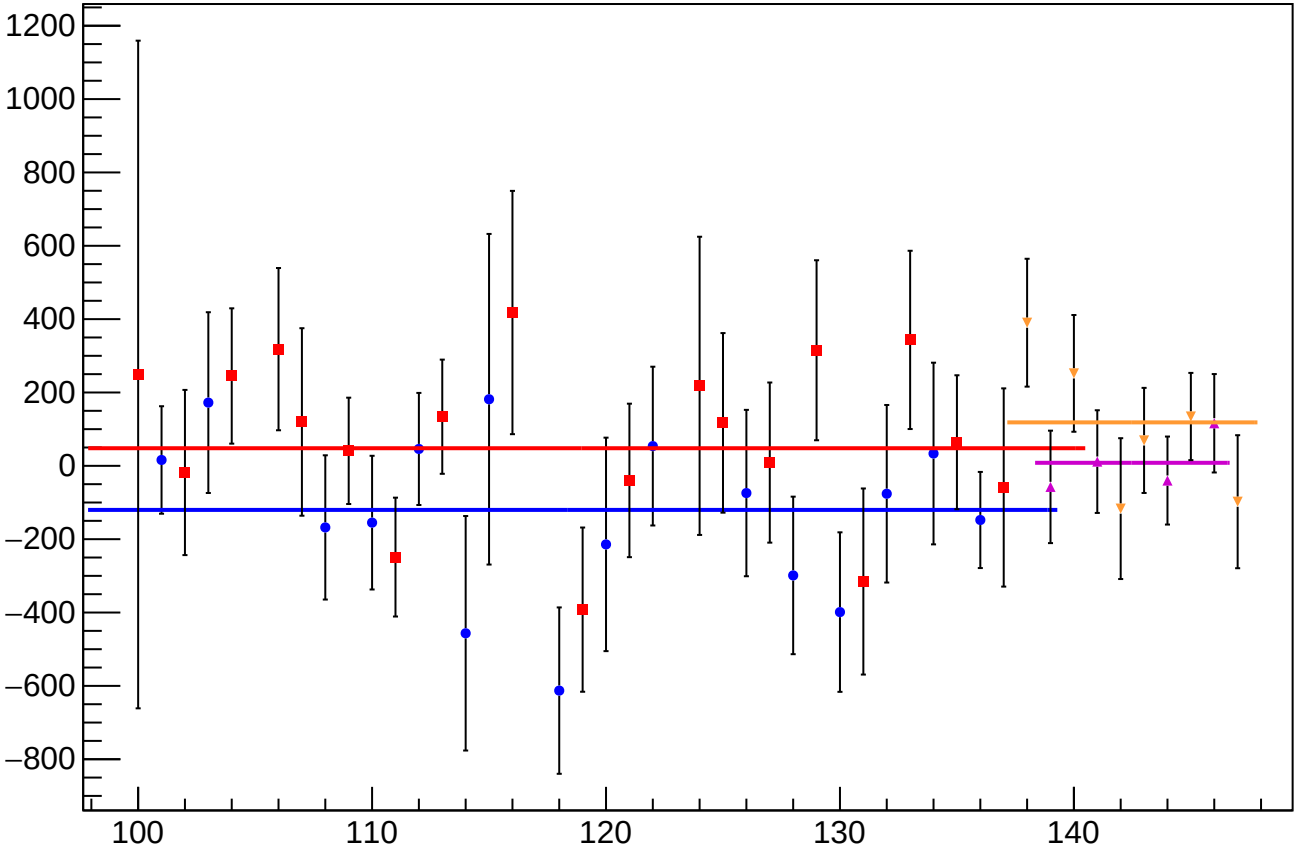
In: 207.973+/-368.709 χ^2/NDF:26.2/19

Out: -61.452+/-338.637 χ^2/NDF:41.3/24

All: 61.827+/-249.407 χ^2/NDF: 67.8/44


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
Right In: 1285.668+/-0.355 χ²/NDF: 1170437.4/15
Left Out: 1024.486+/-0.347 χ²/NDF:232458.4/5
Right Out: 1215.237+/-0.331 χ²/NDF: 1386290.4/18
Left In: 1005.024+/-0.385 χ²/NDF:153323.6/3
Left: 1015.767+/-0.258 χ²/NDF: 387194.8/9
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1156.775+/-0.261 χ²/NDF:1611516.3/19
Out: 1124.188+/-0.239 χ²/NDF:1777070.3/24
All: 1139.099+/-0.176 χ²/NDF: 3397061.0/44

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 118.489+/-63.326 χ^2/NDF:6.2/5

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 8.266+/-67.641 χ^2/NDF:1.0/3

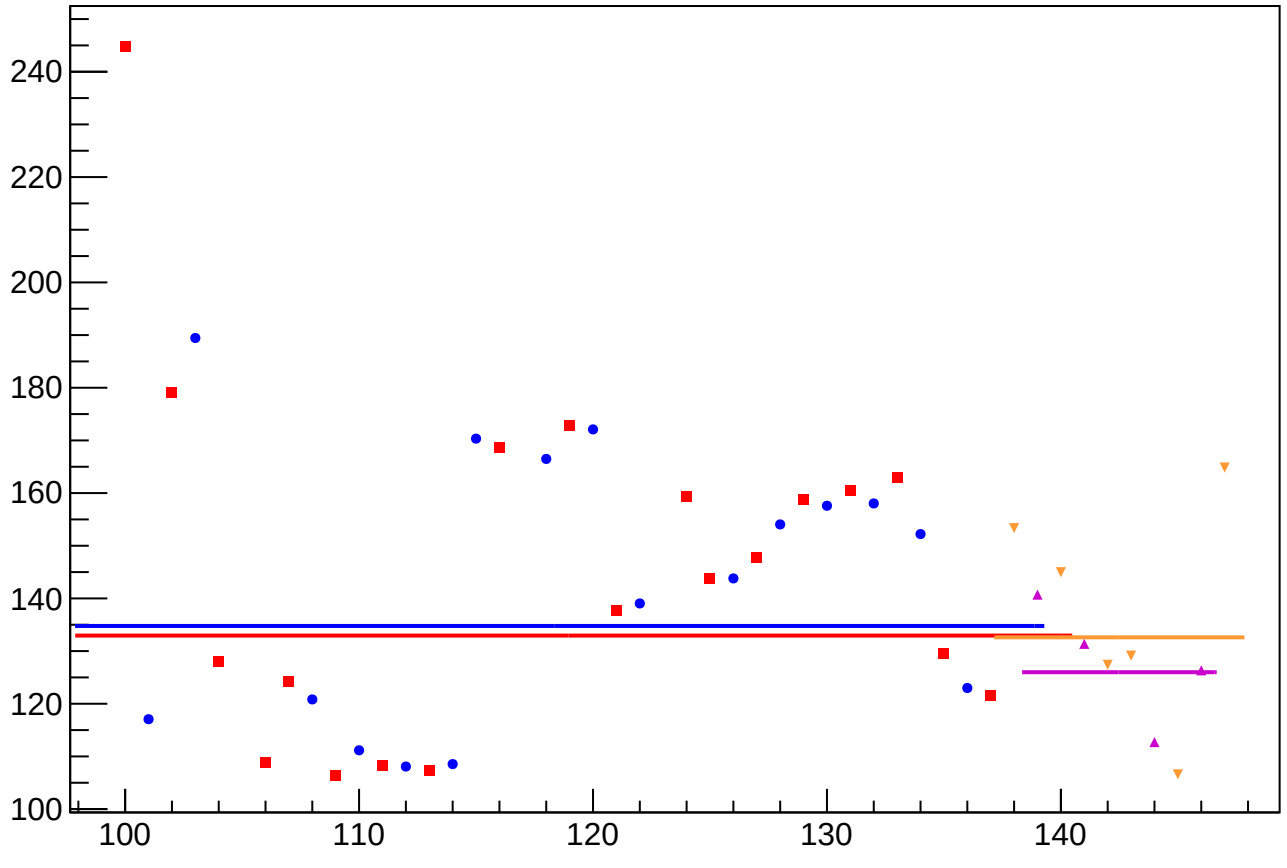
Left: 67.005+/-46.229 χ^2/NDF: 8.6/9

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -73.499+/-40.775 χ^2/NDF:16.7/19

Out: 75.022+/-39.203 χ^2/NDF:23.9/24

All: 3.679+/-28.260 χ^2/NDF: 47.5/44



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 132.610+/-0.045 χ^2/NDF:201986.4/5

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

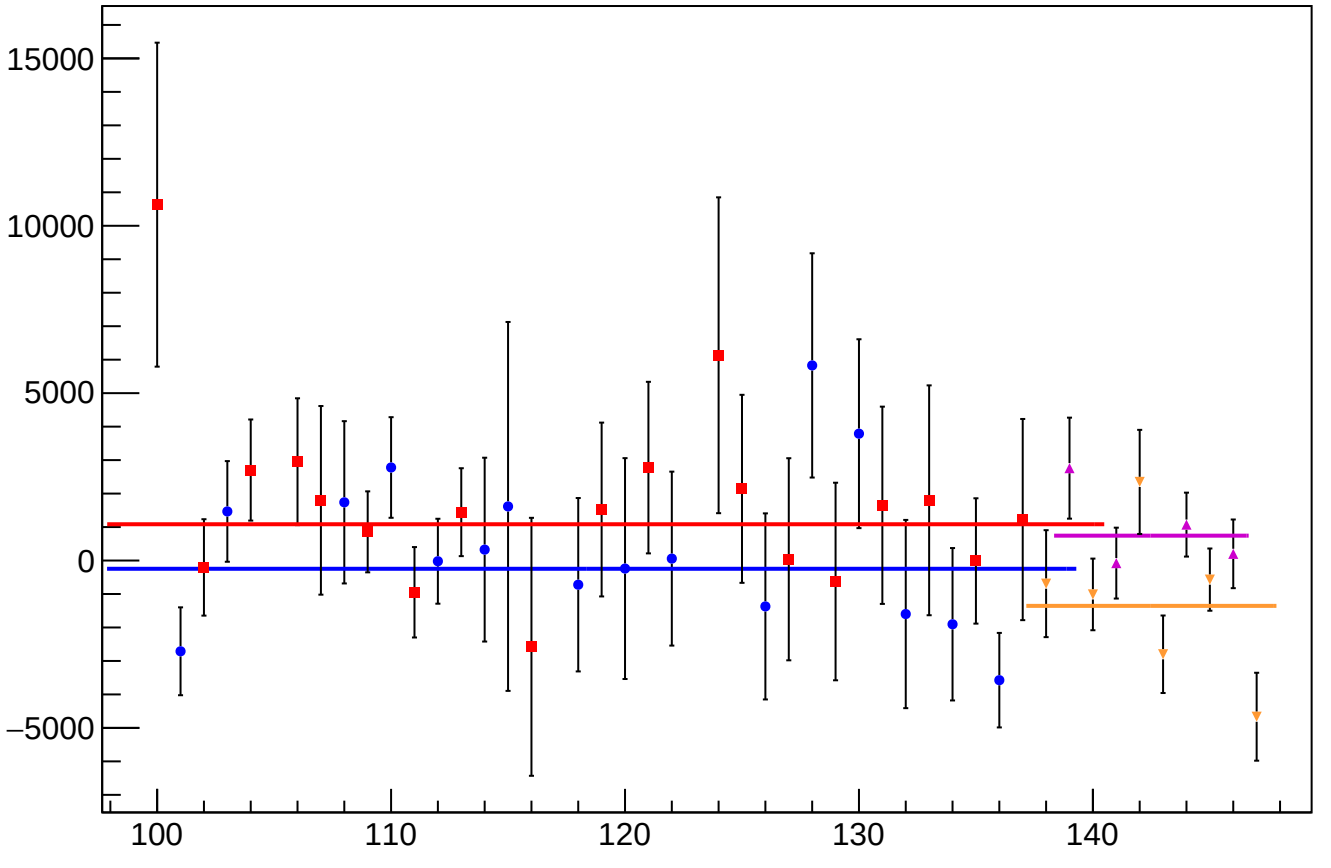
Left: 129.518+/-0.033 χ^2/NDF: 258091.8/9

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 131.580+/-0.029 χ^2/NDF:484135.4/19

Out: 132.818+/-0.028 χ^2/NDF:700871.8/24

All: 132.223+/-0.020 χ^2/NDF: 1185964.5/44



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1354.516+/-490.150 χ^2/NDF:14.6/5

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 742.890+/-544.061 χ^2/NDF:2.8/3

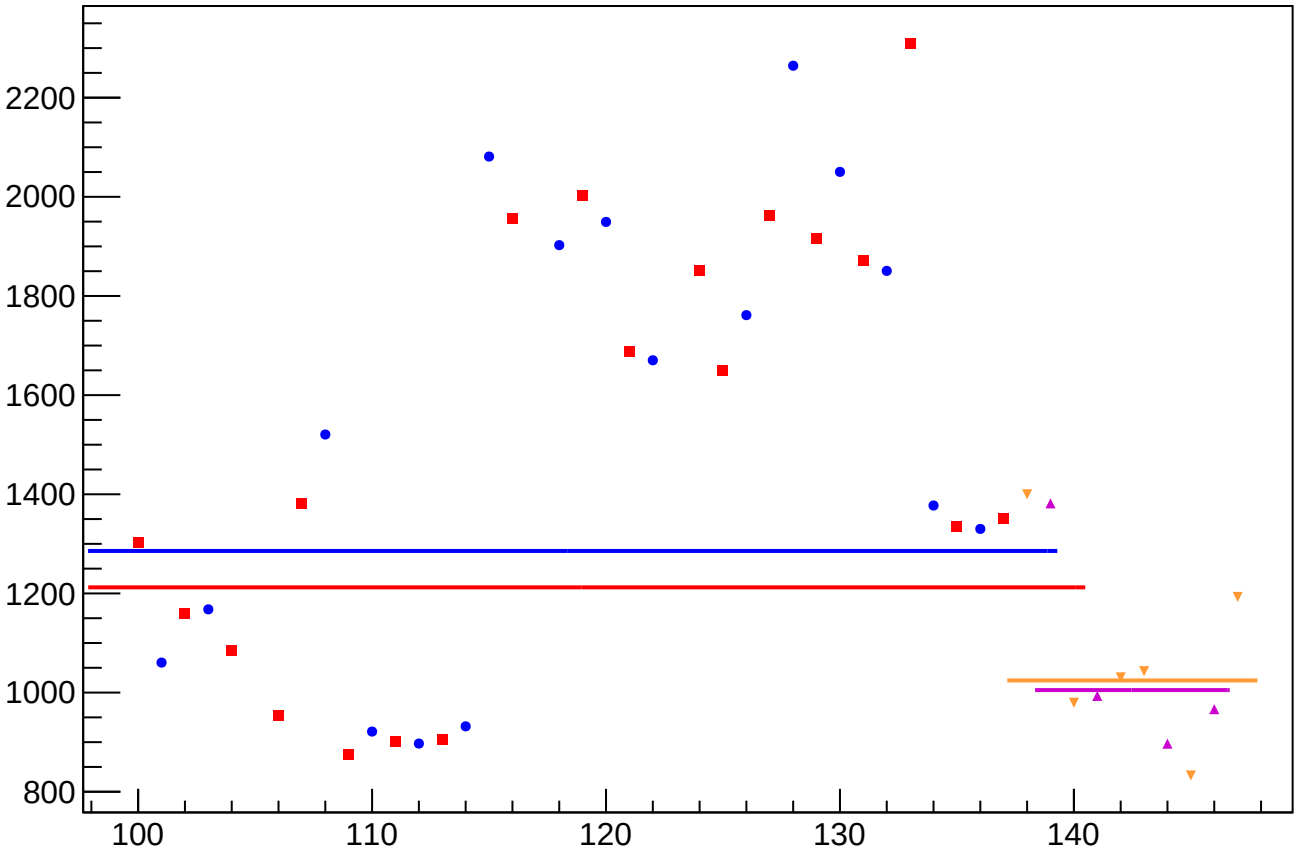
Left: -414.849+/-364.161 χ^2/NDF: 25.6/9

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 207.946+/-368.711 χ^2/NDF:26.2/19

Out: -82.302+/-338.985 χ^2/NDF:40.3/24

All: 50.652+/-249.547 χ^2/NDF: 66.8/44



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1024.485+/-0.347 χ^2/NDF:232459.4/5

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1005.025+/-0.385 χ^2/NDF:153322.7/3

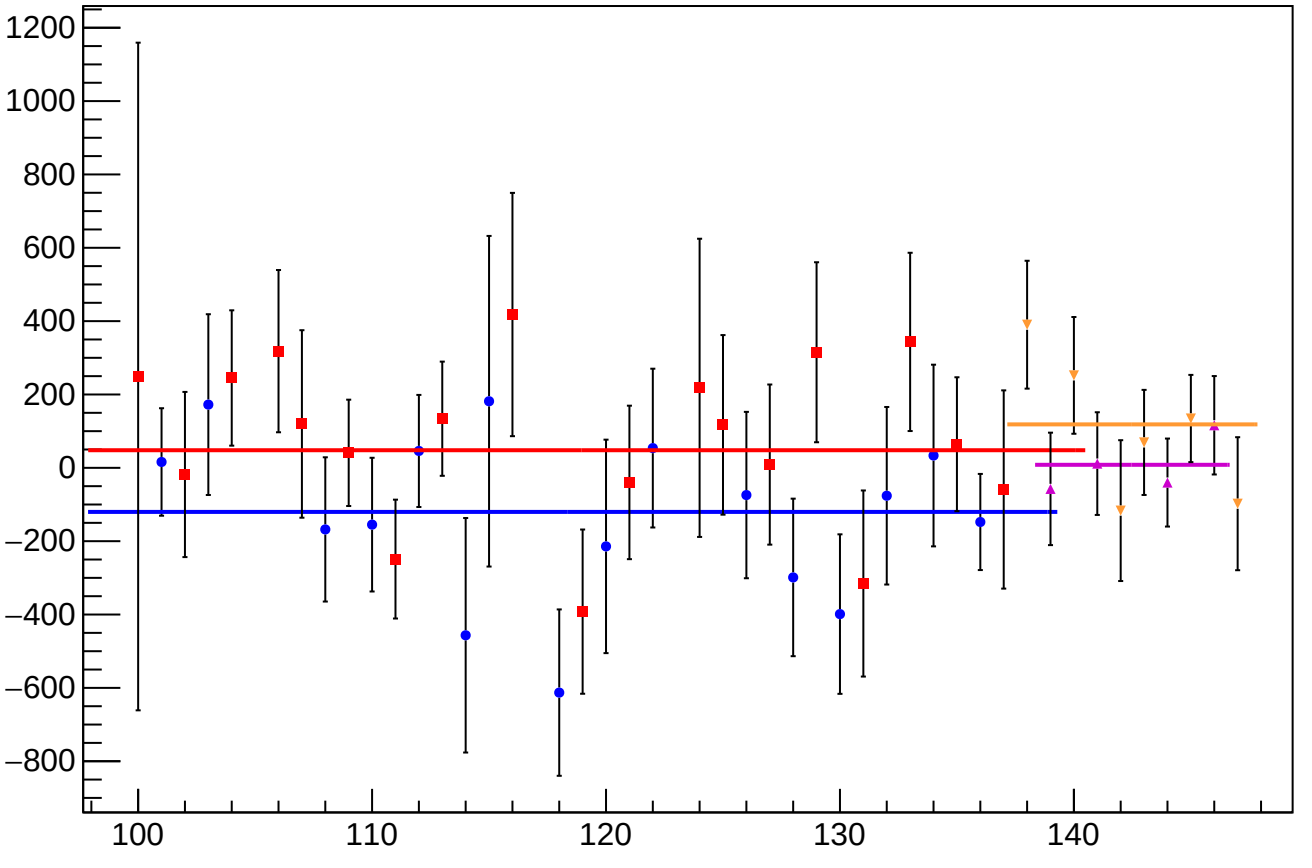
Left: 1015.767+/-0.258 χ^2/NDF: 387194.6/9

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1156.782+/-0.261 χ^2/NDF:1611514.1/19

Out: 1122.455+/-0.240 χ^2/NDF:1786251.2/24

All: 1138.179+/-0.176 χ^2/NDF: 3407159.7/44



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 118.489+/-63.326 χ^2/NDF:6.2/5

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 8.266+/-67.641 χ^2/NDF:1.0/3

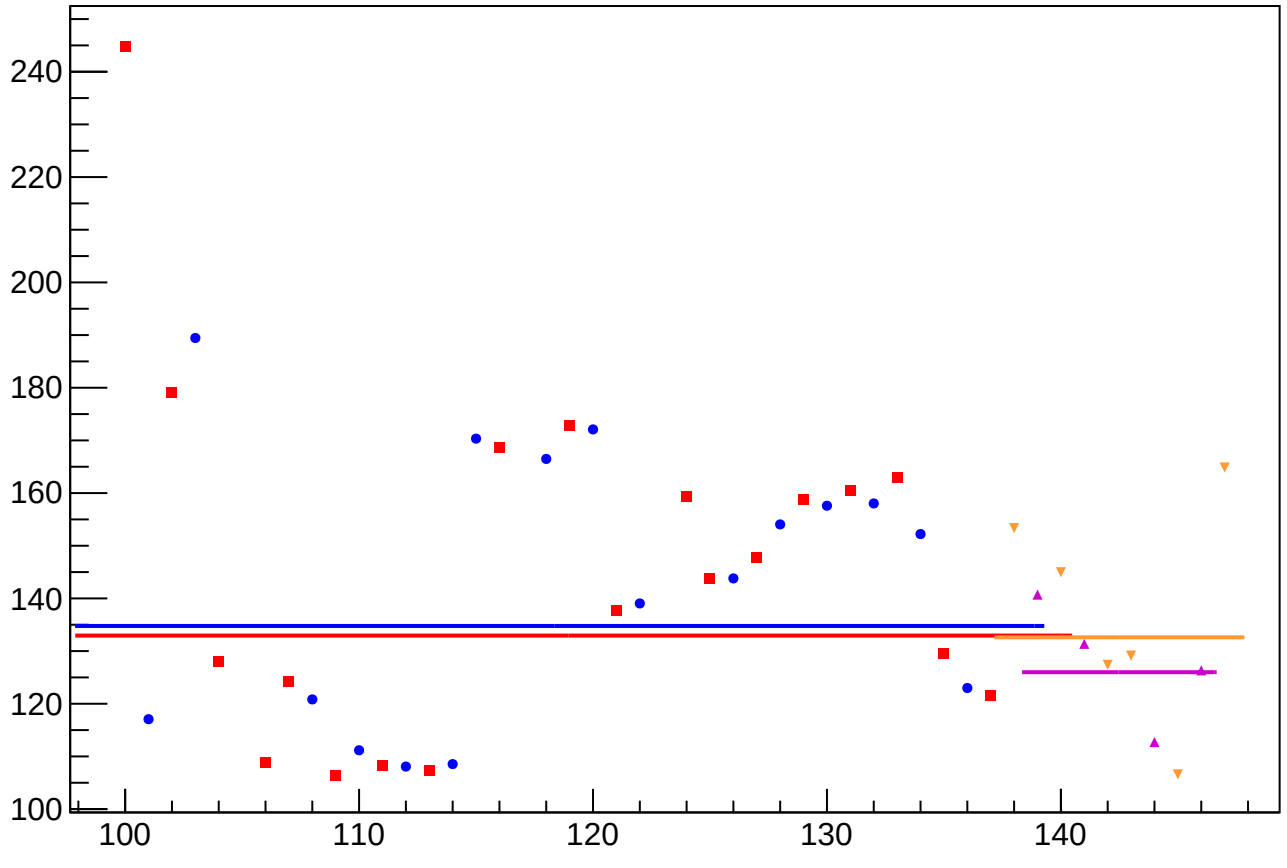
Left: 67.005+/-46.229 χ^2/NDF: 8.6/9

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -73.499+/-40.775 χ^2/NDF:16.7/19

Out: 75.022+/-39.203 χ^2/NDF:23.9/24

All: 3.679+/-28.260 χ^2/NDF: 47.5/44



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 132.610+/-0.045 χ^2/NDF:201986.4/5

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 125.990+/-0.048 χ^2/NDF:45897.2/3

Left: 129.518+/-0.033 χ^2/NDF: 258091.8/9

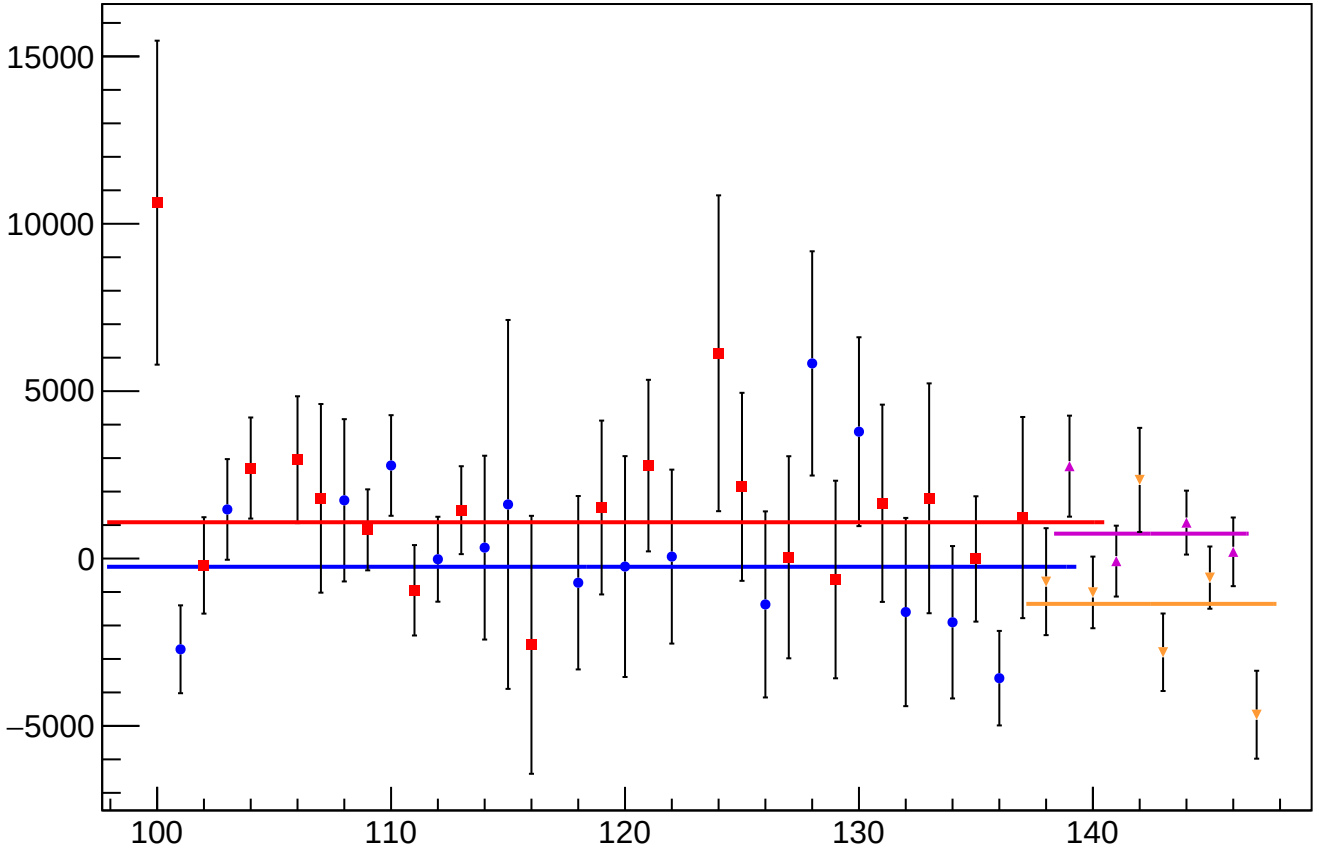
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 131.580+/-0.029 χ^2/NDF:484135.4/19

Out: 132.818+/-0.028 χ^2/NDF:700871.8/24

All: 132.223+/-0.020 χ^2/NDF: 1185964.5/44

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1354.516+/-490.150 χ^2/NDF:14.6/5

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 742.890+/-544.061 χ^2/NDF:2.8/3

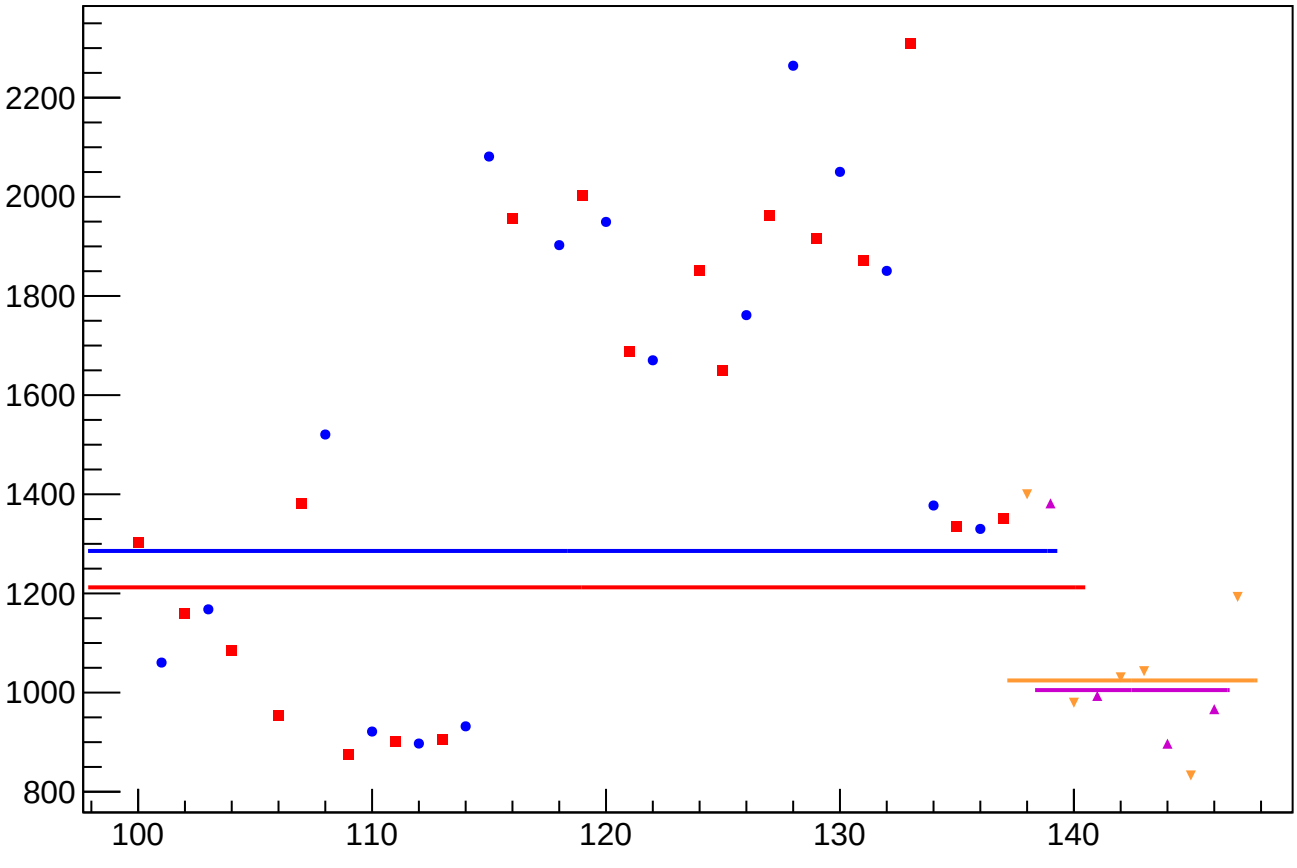
Left: -414.849+/-364.161 χ^2/NDF: 25.6/9

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 207.946+/-368.711 χ^2/NDF:26.2/19

Out: -82.302+/-338.985 χ^2/NDF:40.3/24

All: 50.652+/-249.547 χ^2/NDF: 66.8/44



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1024.485+/-0.347 χ^2/NDF:232459.4/5

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1005.025+/-0.385 χ^2/NDF:153322.7/3

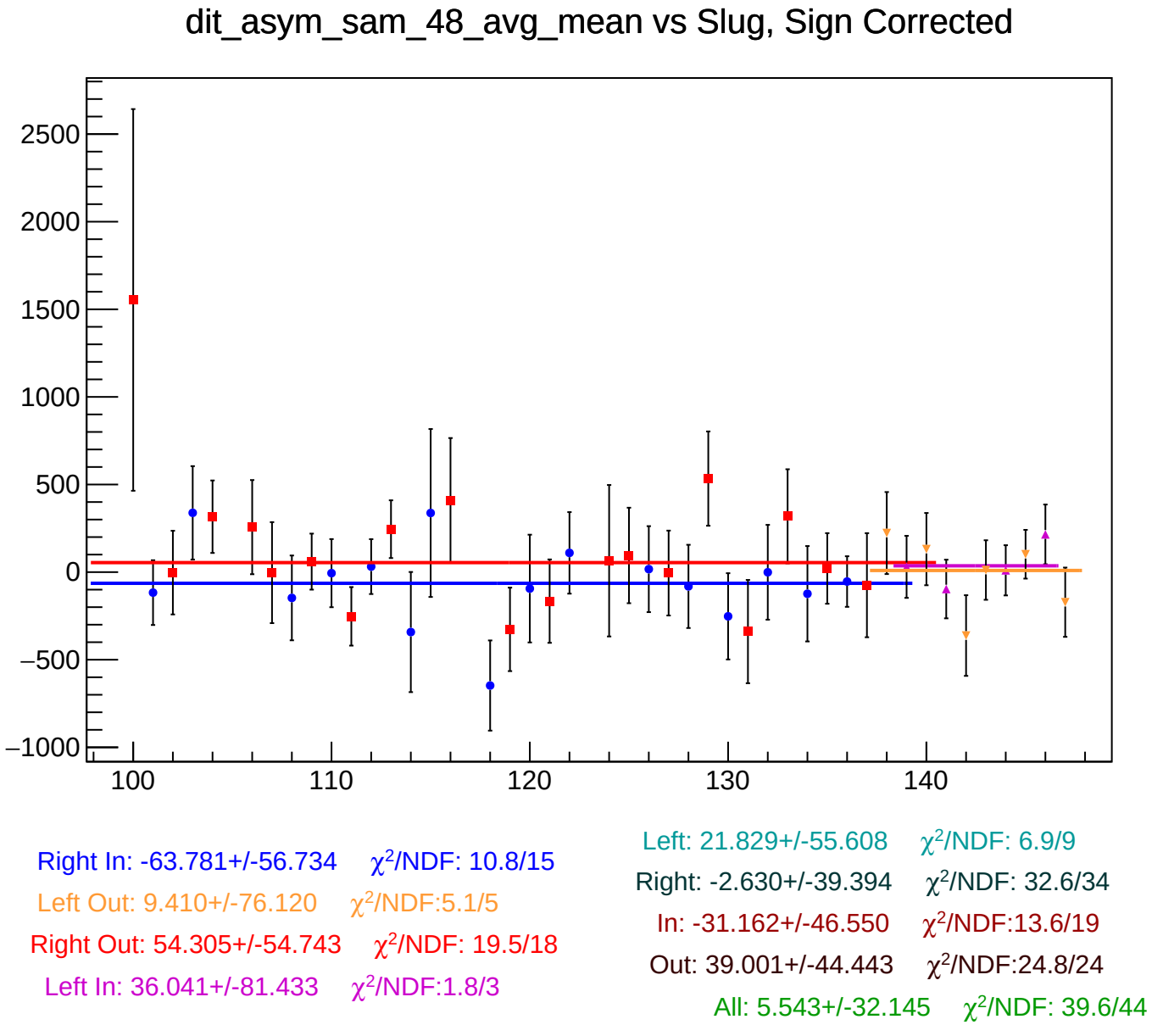
Left: 1015.767+/-0.258 χ^2/NDF: 387194.6/9

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

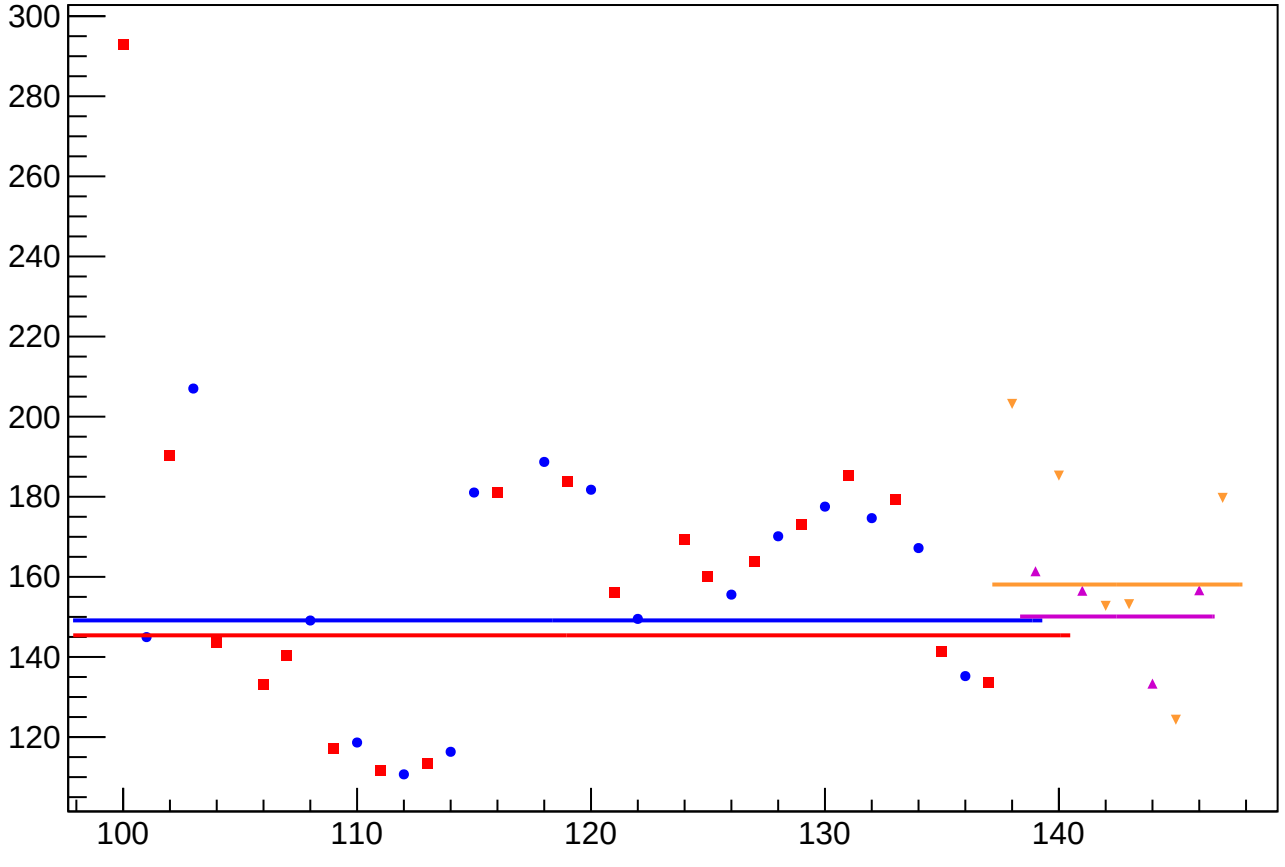
In: 1156.782+/-0.261 χ^2/NDF:1611514.1/19

Out: 1122.455+/-0.240 χ^2/NDF:1786251.2/24

All: 1138.179+/-0.176 χ^2/NDF: 3407159.7/44


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: 9.410+/-76.120 χ²/NDF:5.1/5
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 36.041+/-81.433 χ²/NDF:1.8/3
Left: 21.829+/-55.608 χ²/NDF: 6.9/9
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: -31.162+/-46.550 χ²/NDF:13.6/19
Out: 39.001+/-44.443 χ²/NDF:24.8/24
All: 5.543+/-32.145 χ²/NDF: 39.6/44

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.089+/-0.054 χ^2/NDF:253625.1/5

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 150.102+/-0.058 χ^2/NDF:41445.2/3

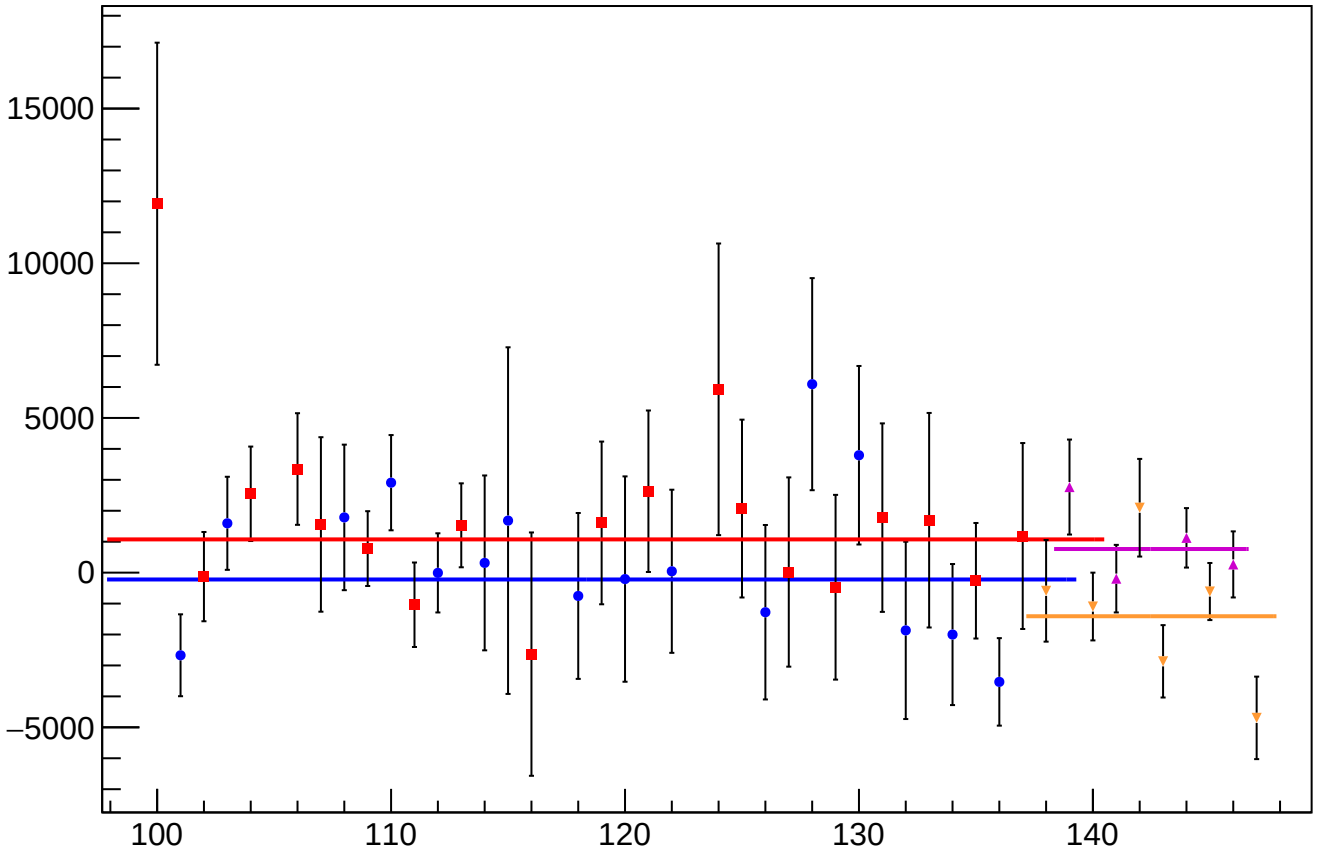
Left: 154.365+/-0.039 χ^2/NDF: 305340.1/9

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 149.448+/-0.033 χ^2/NDF:492640.3/19

Out: 149.725+/-0.031 χ^2/NDF:816083.2/24

All: 149.593+/-0.023 χ^2/NDF: 1308760.7/44



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1409.622+/-495.428 χ^2/NDF:13.6/5

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 763.770+/-557.099 χ^2/NDF:2.8/3

Left: -449.837+/-370.212 χ^2/NDF: 25.0/9

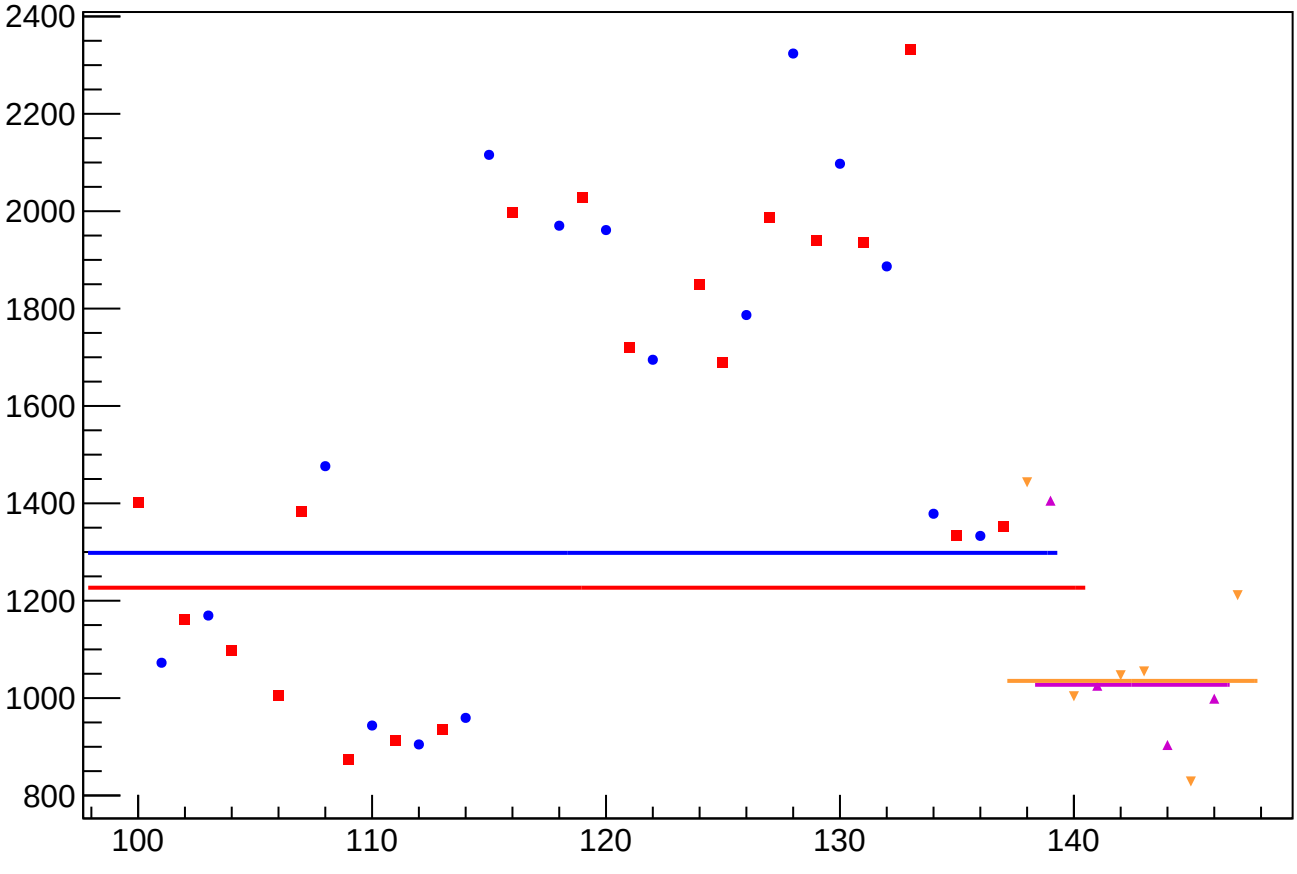
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 224.223+/-374.643 χ^2/NDF:26.4/19

Out: -109.615+/-342.046 χ^2/NDF:40.4/24

All: 42.151+/-252.603 χ^2/NDF: 67.2/44

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1035.351+/-0.350 χ^2/NDF:260763.9/5

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1027.363+/-0.394 χ^2/NDF:155859.5/3

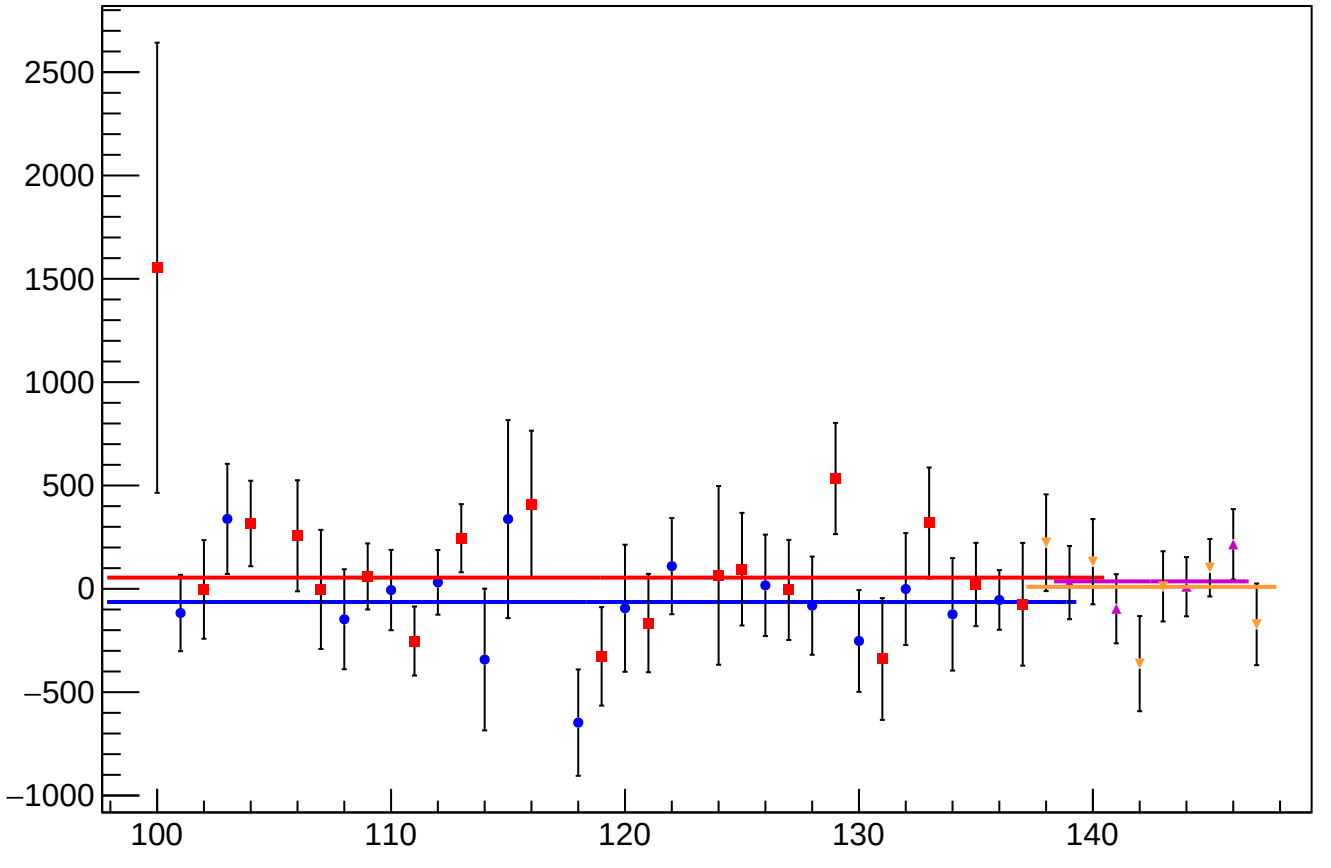
Left: 1031.824+/-0.262 χ^2/NDF: 416853.1/9

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1175.767+/-0.265 χ^2/NDF:1597082.2/19

Out: 1135.507+/-0.242 χ^2/NDF:1821469.1/24

All: 1153.810+/-0.179 χ^2/NDF: 3431148.2/44



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.409+/-76.120 χ^2/NDF:5.1/5

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 36.042+/-81.433 χ^2/NDF:1.8/3

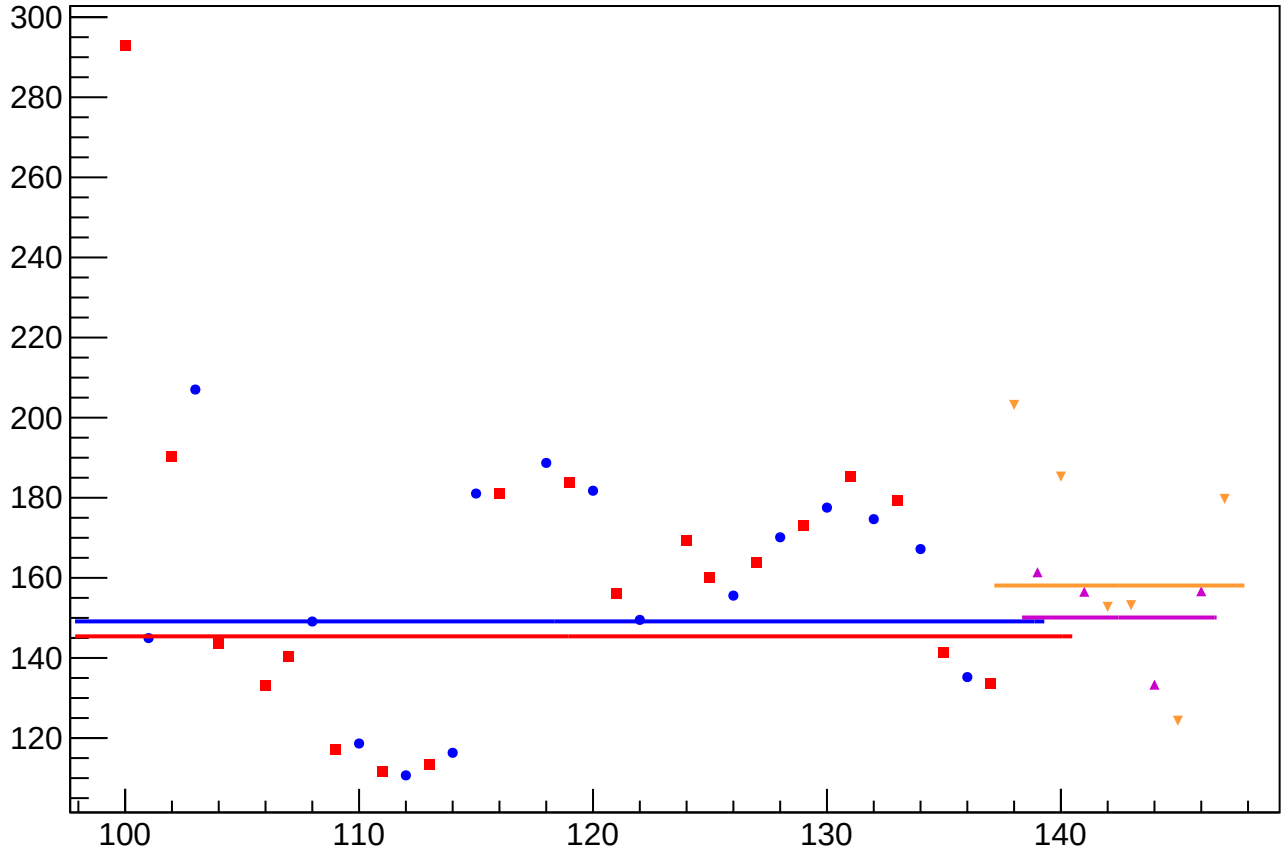
Left: 21.828+/-55.608 χ^2/NDF: 6.9/9

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -31.160+/-46.550 χ^2/NDF:13.6/19

Out: 39.000+/-44.443 χ^2/NDF:24.8/24

All: 5.544+/-32.145 χ^2/NDF: 39.6/44



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.090+/-0.054 χ^2/NDF:253618.9/5

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 150.102+/-0.058 χ^2/NDF:41444.0/3

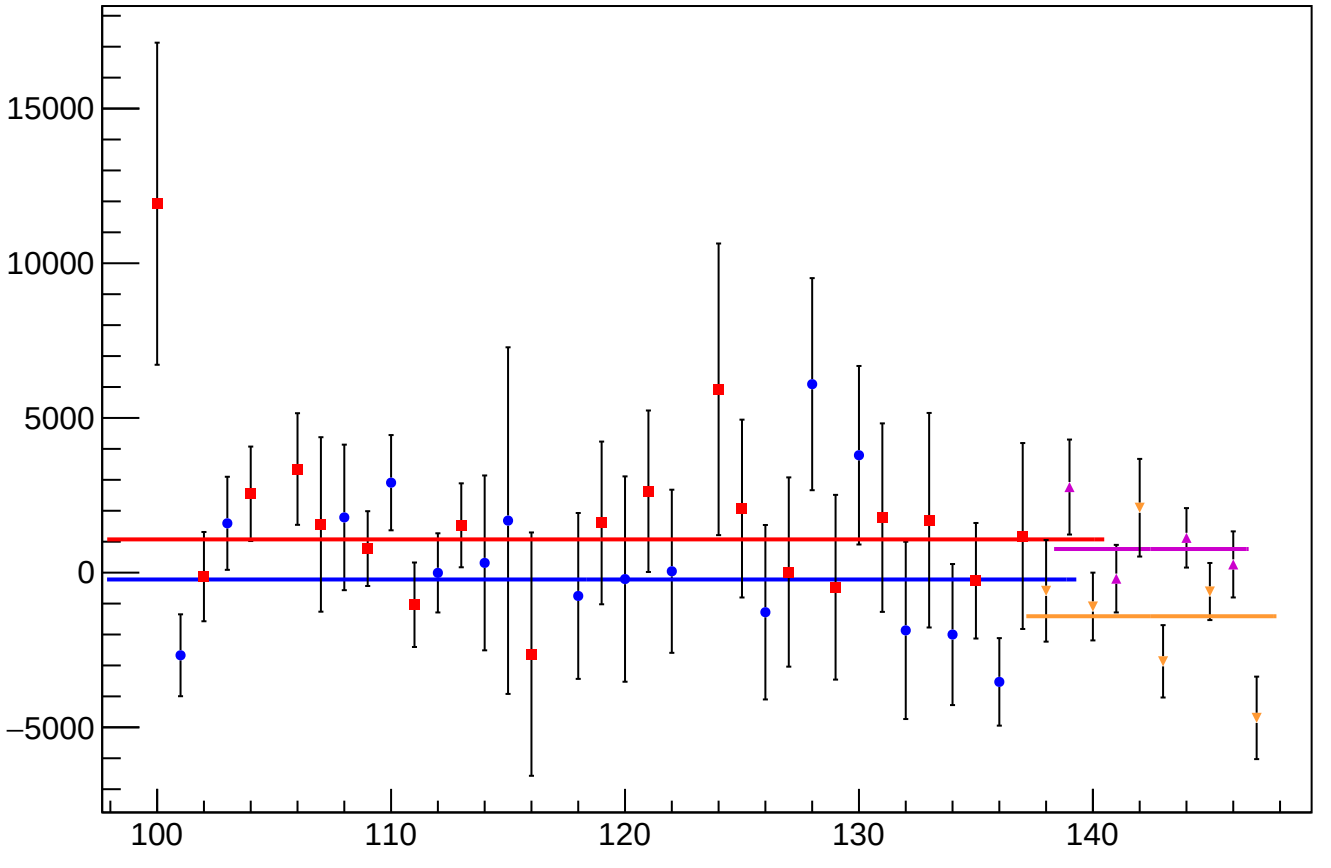
Left: 154.365+/-0.039 χ^2/NDF: 305332.8/9

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 149.448+/-0.033 χ^2/NDF:492640.8/19

Out: 149.725+/-0.031 χ^2/NDF:816082.2/24

All: 149.593+/-0.023 χ^2/NDF: 1308760.2/44



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1409.621+/-495.427 χ^2/NDF:13.6/5

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 763.770+/-557.099 χ^2/NDF:2.8/3

Left: -449.837+/-370.211 χ^2/NDF: 25.0/9

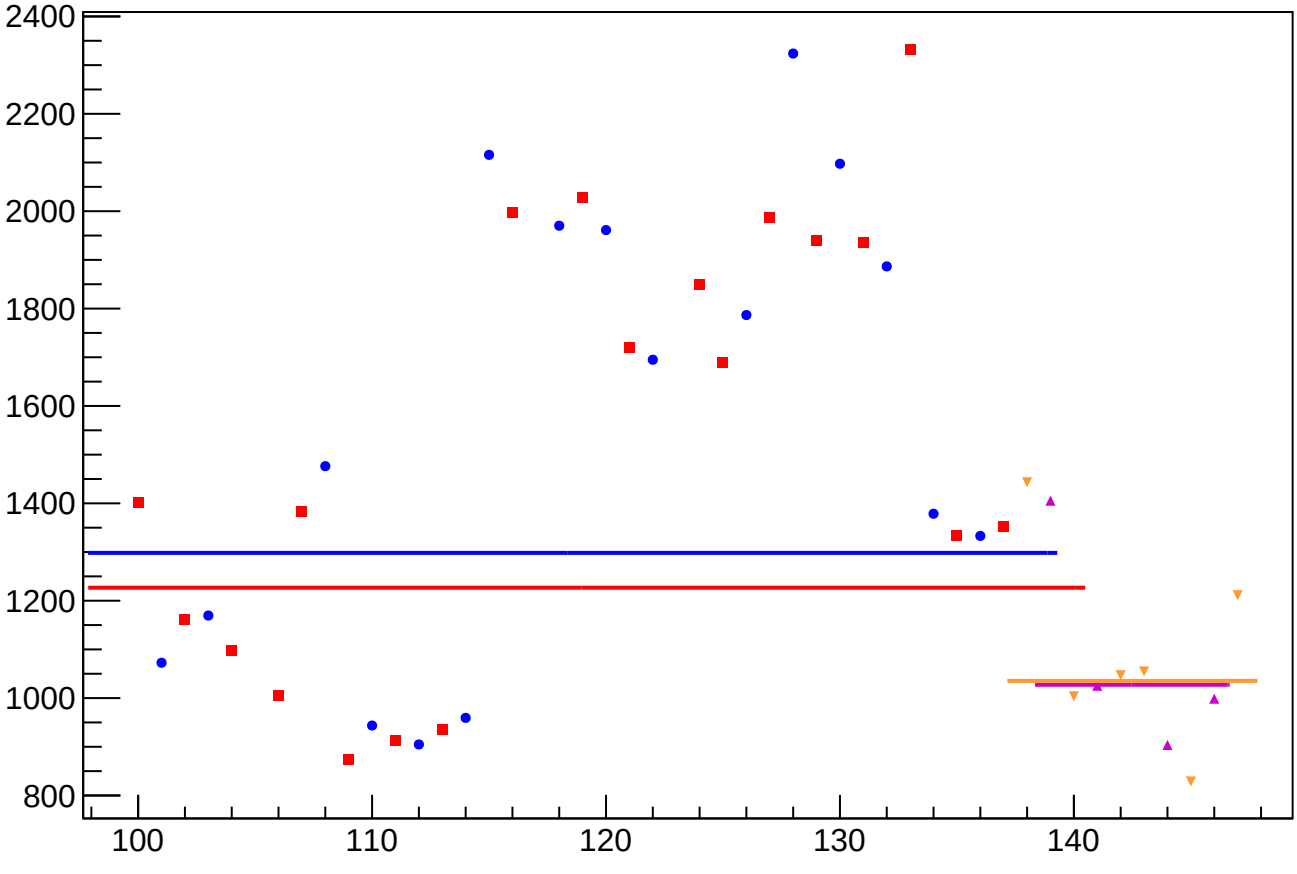
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 224.223+/-374.643 χ^2/NDF:26.4/19

Out: -109.616+/-342.046 χ^2/NDF:40.4/24

All: 42.151+/-252.602 χ^2/NDF: 67.2/44

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: 1035.349+/-0.350 χ^2/NDF:260766.2/5

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1027.362+/-0.394 χ^2/NDF:155859.2/3

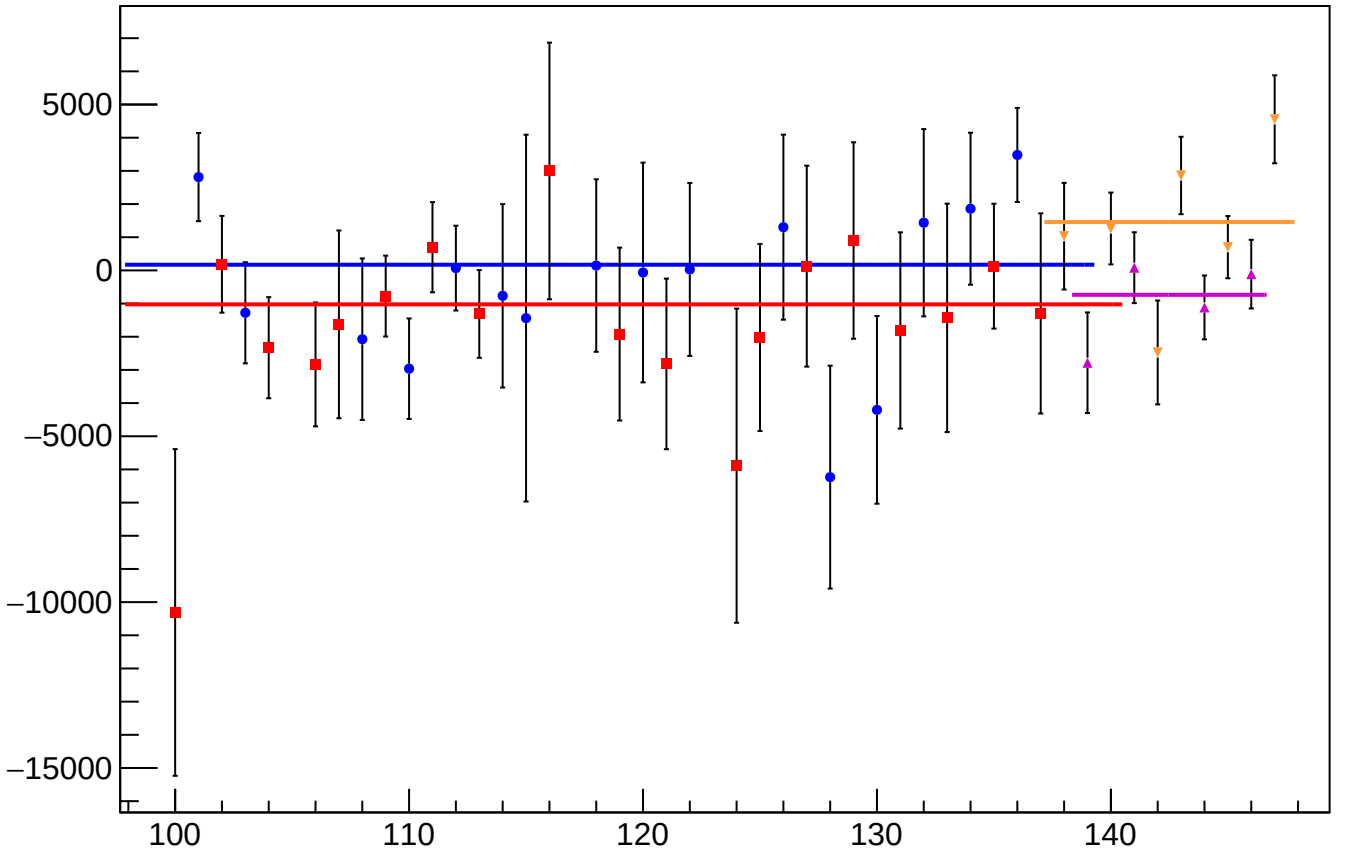
Left: 1031.822+/-0.262 χ^2/NDF: 416855.0/9

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1175.766+/-0.265 χ^2/NDF:1597086.0/19

Out: 1135.505+/-0.242 χ^2/NDF:1821475.4/24

All: 1153.808+/-0.179 χ^2/NDF: 3431158.6/44



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1457.260+/-494.436 χ^2/NDF:14.0/5

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -736.415+/-548.476 χ^2/NDF:2.9/3

Left: 473.787+/-367.242 χ^2/NDF: 25.7/9

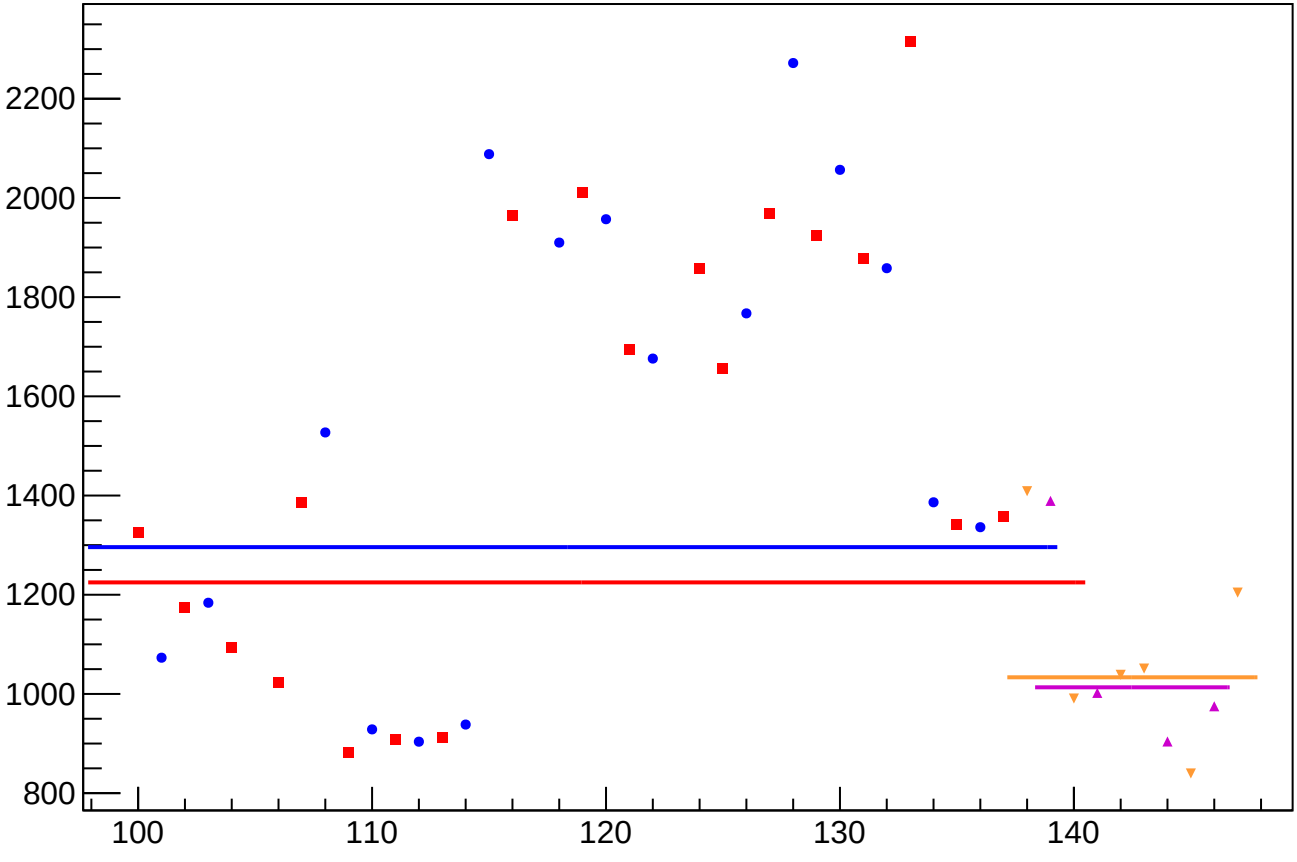
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -245.414+/-371.564 χ^2/NDF:27.0/19

Out: 159.238+/-341.414 χ^2/NDF:38.7/24

All: -26.007+/-251.400 χ^2/NDF: 66.3/44

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1033.548+/-0.350 χ^2/NDF:231323.5/5

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1013.366+/-0.388 χ^2/NDF:151474.5/3

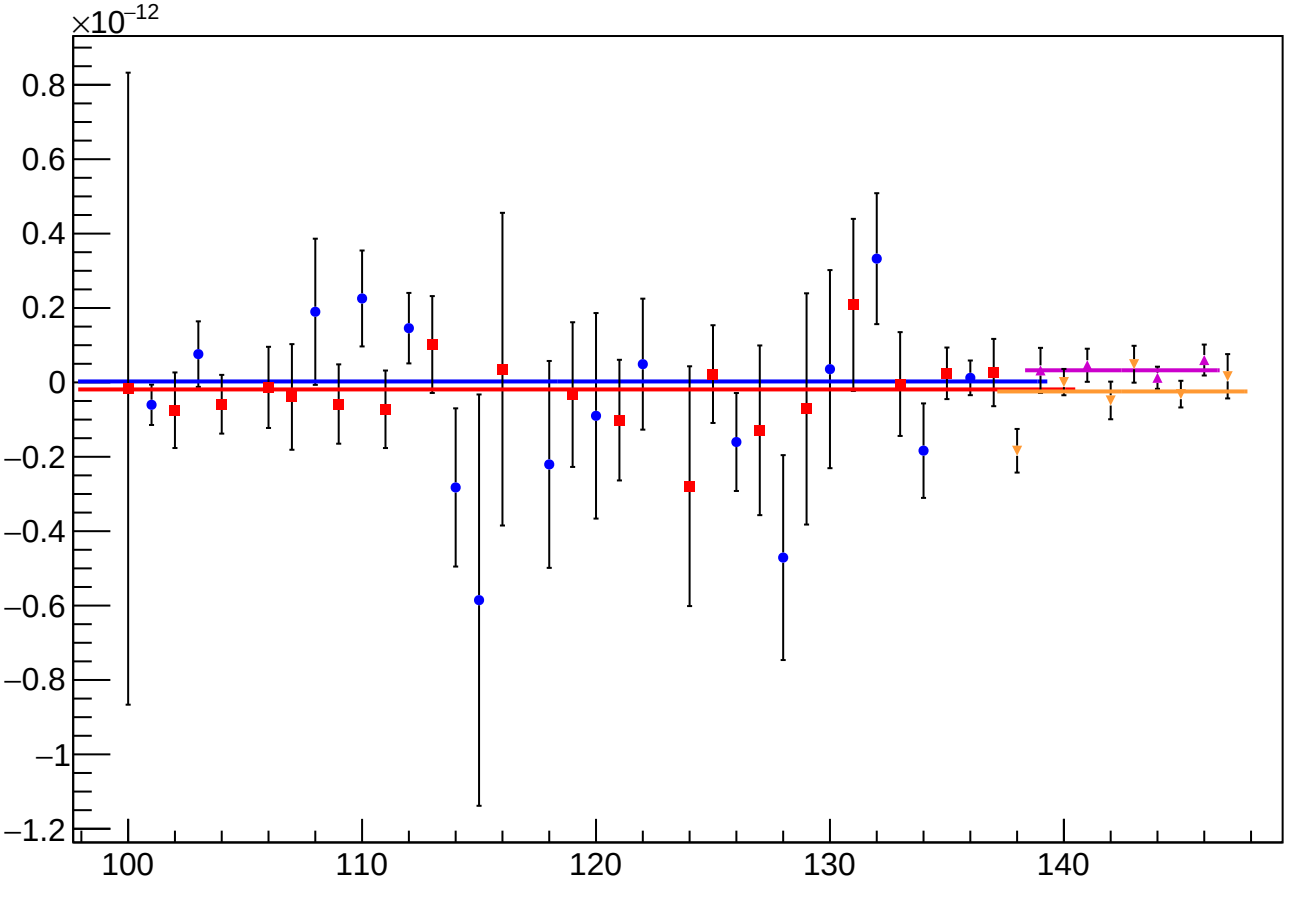
Left: 1024.500+/-0.260 χ^2/NDF: 384291.8/9

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1166.283+/-0.263 χ^2/NDF:1592984.6/19

Out: 1133.647+/-0.241 χ^2/NDF:1759288.5/24

All: 1148.587+/-0.178 χ^2/NDF: 3360638.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

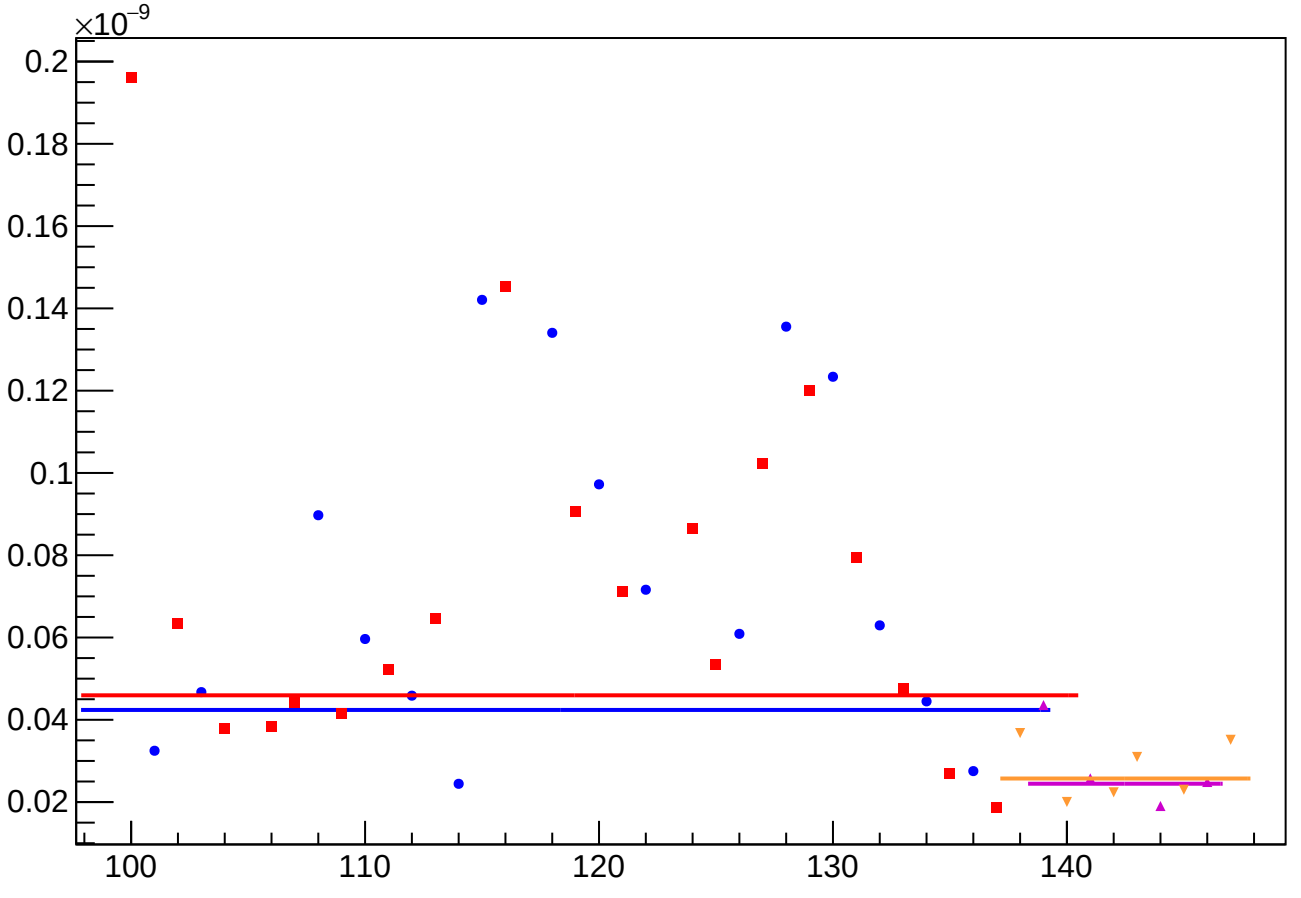
Left: 0.000+/-0.000 χ^2/NDF: 16.2/9

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:24.0/19

Out: -0.000+/-0.000 χ^2/NDF:15.6/24

All: -0.000+/-0.000 χ^2/NDF: 43.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:215648.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:267014.0/3

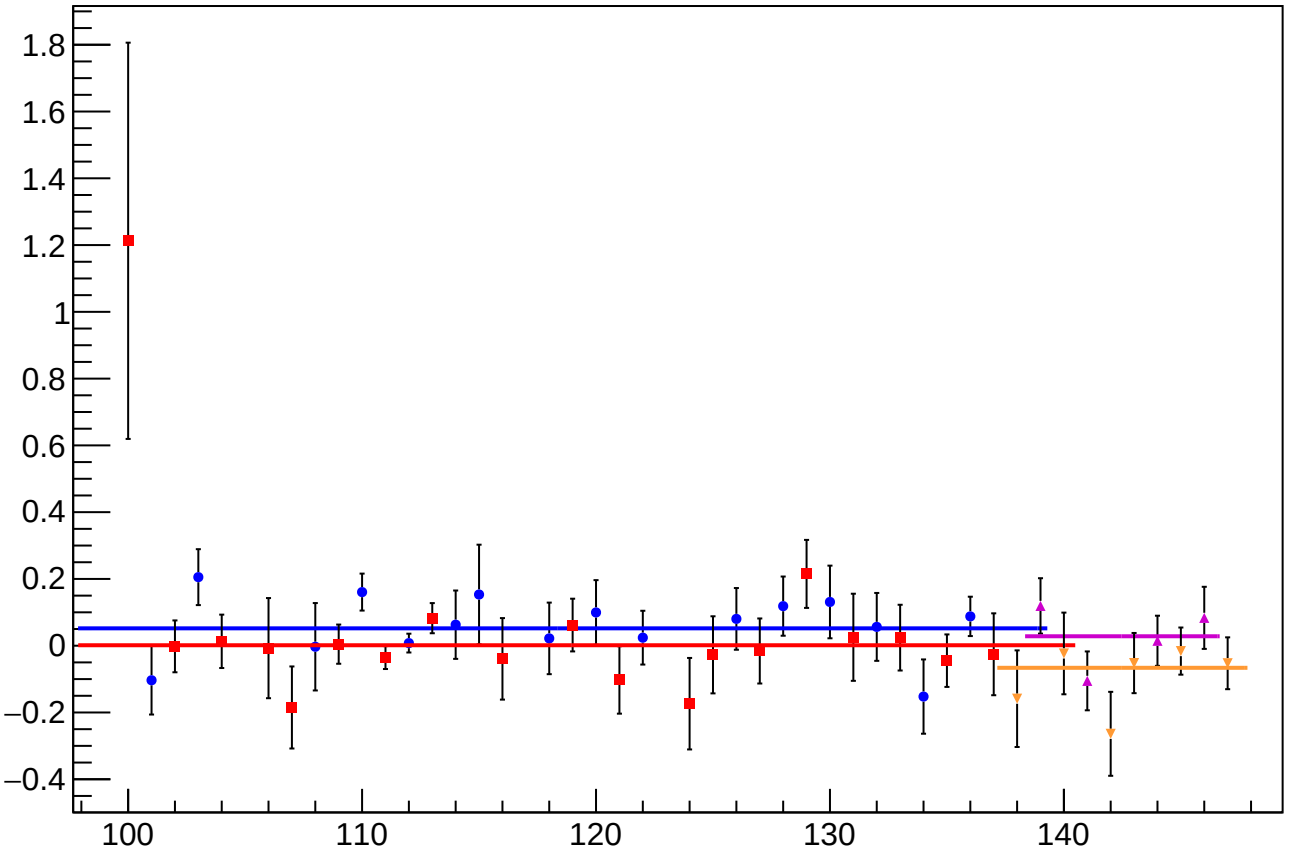
Left: 0.000+/-0.000 χ^2/NDF: 486988.9/9

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2181356.2/19

Out: 0.000+/-0.000 χ^2/NDF:2031430.0/24

All: 0.000+/-0.000 χ^2/NDF: 4214634.3/44



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.028+/-0.042 χ^2/NDF:3.9/3

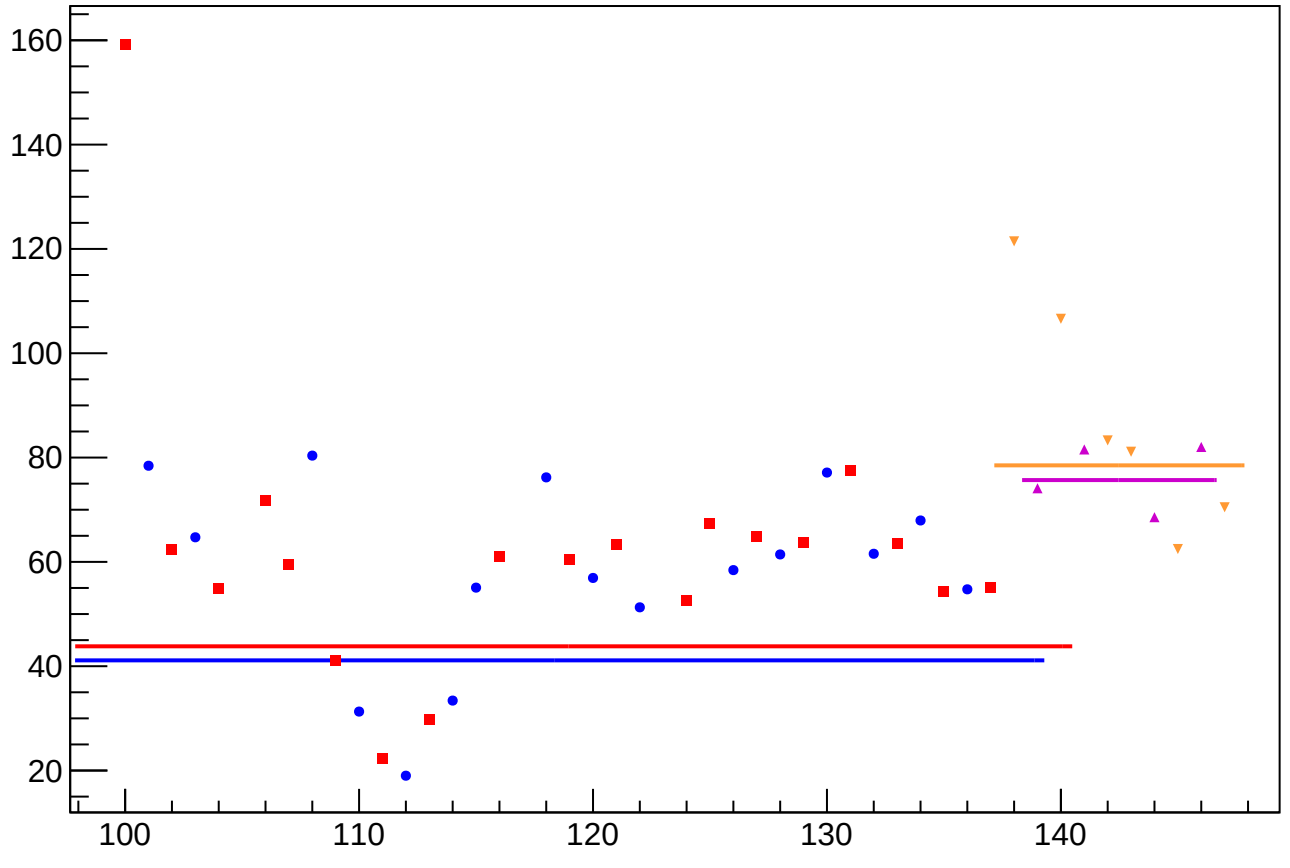
Left: -0.023+/-0.028 χ^2/NDF: 10.2/9

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.048+/-0.016 χ^2/NDF:22.1/19

Out: -0.011+/-0.016 χ^2/NDF:25.3/24

All: 0.019+/-0.012 χ^2/NDF: 54.0/44



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 78.506+/-0.027 χ^2/NDF:410953.6/5

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 75.685+/-0.030 χ^2/NDF:36864.5/3

Left: 77.211+/-0.020 χ^2/NDF: 452699.2/9

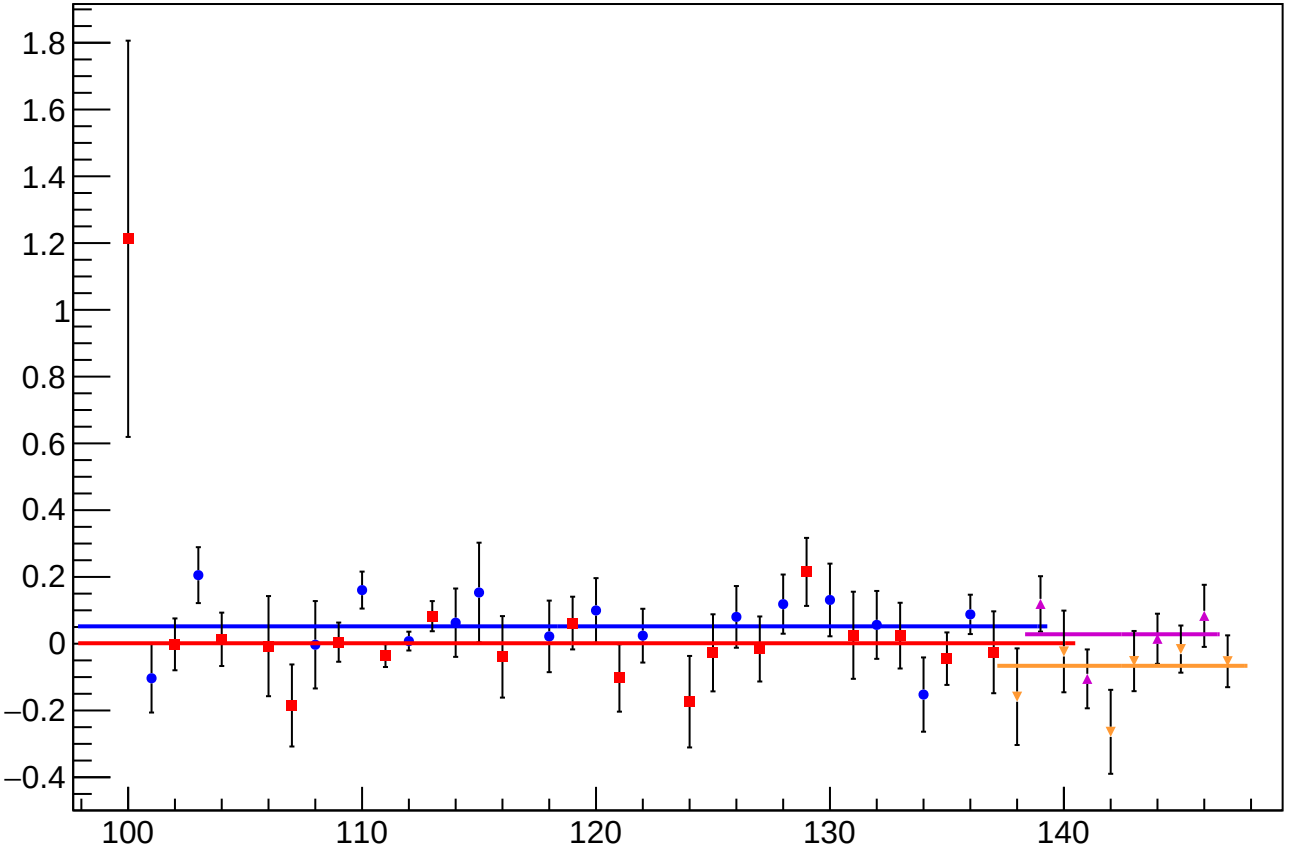
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 46.368+/-0.012 χ^2/NDF:4110820.1/19

Out: 49.941+/-0.012 χ^2/NDF:3782282.6/24

All: 48.166+/-0.008 χ^2/NDF: 7941042.1/44

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: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.028+/-0.042 χ^2/NDF:3.9/3

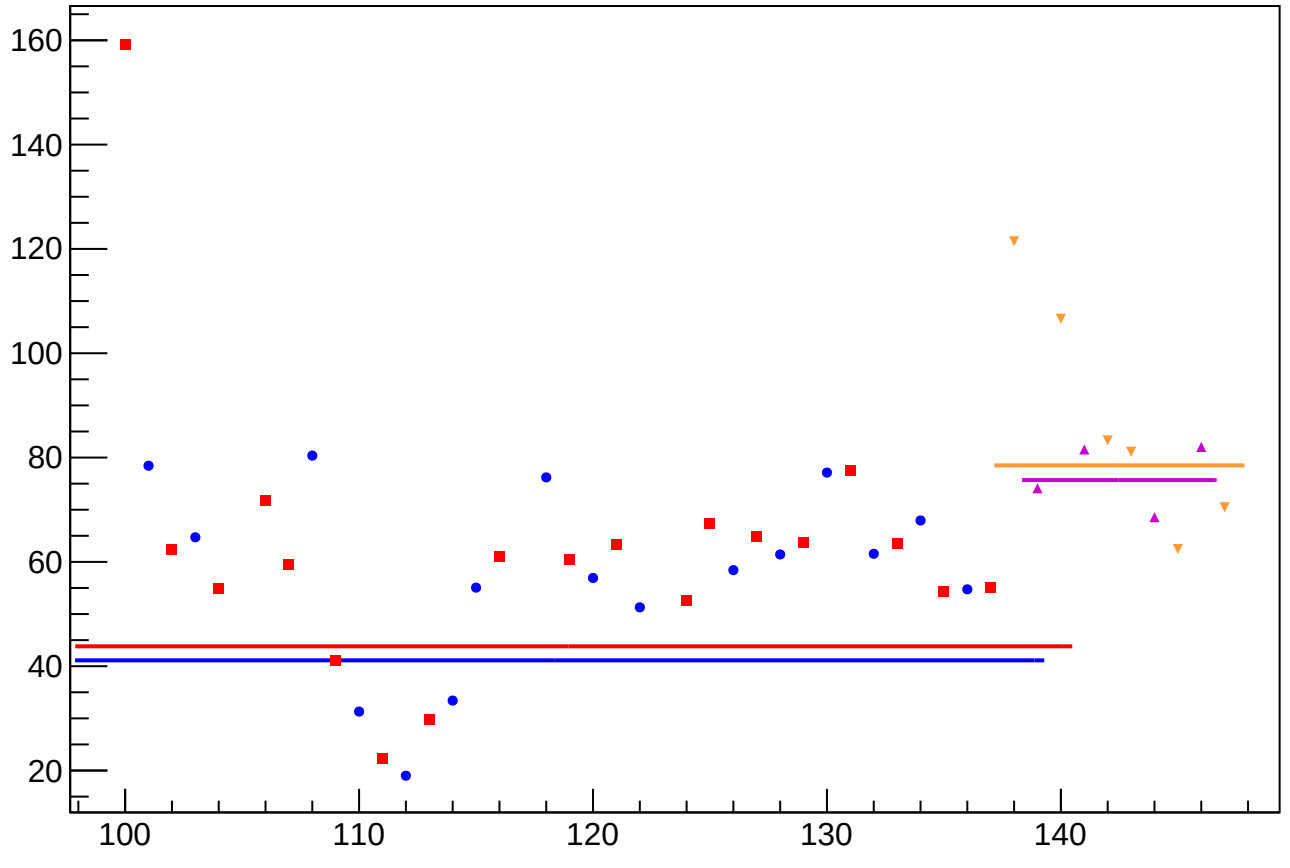
Left: -0.023+/-0.028 χ^2/NDF: 10.2/9

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.048+/-0.016 χ^2/NDF:22.1/19

Out: -0.011+/-0.016 χ^2/NDF:25.3/24

All: 0.019+/-0.012 χ^2/NDF: 54.0/44



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 78.506+/-0.027 χ^2/NDF:410953.6/5

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 75.685+/-0.030 χ^2/NDF:36864.5/3

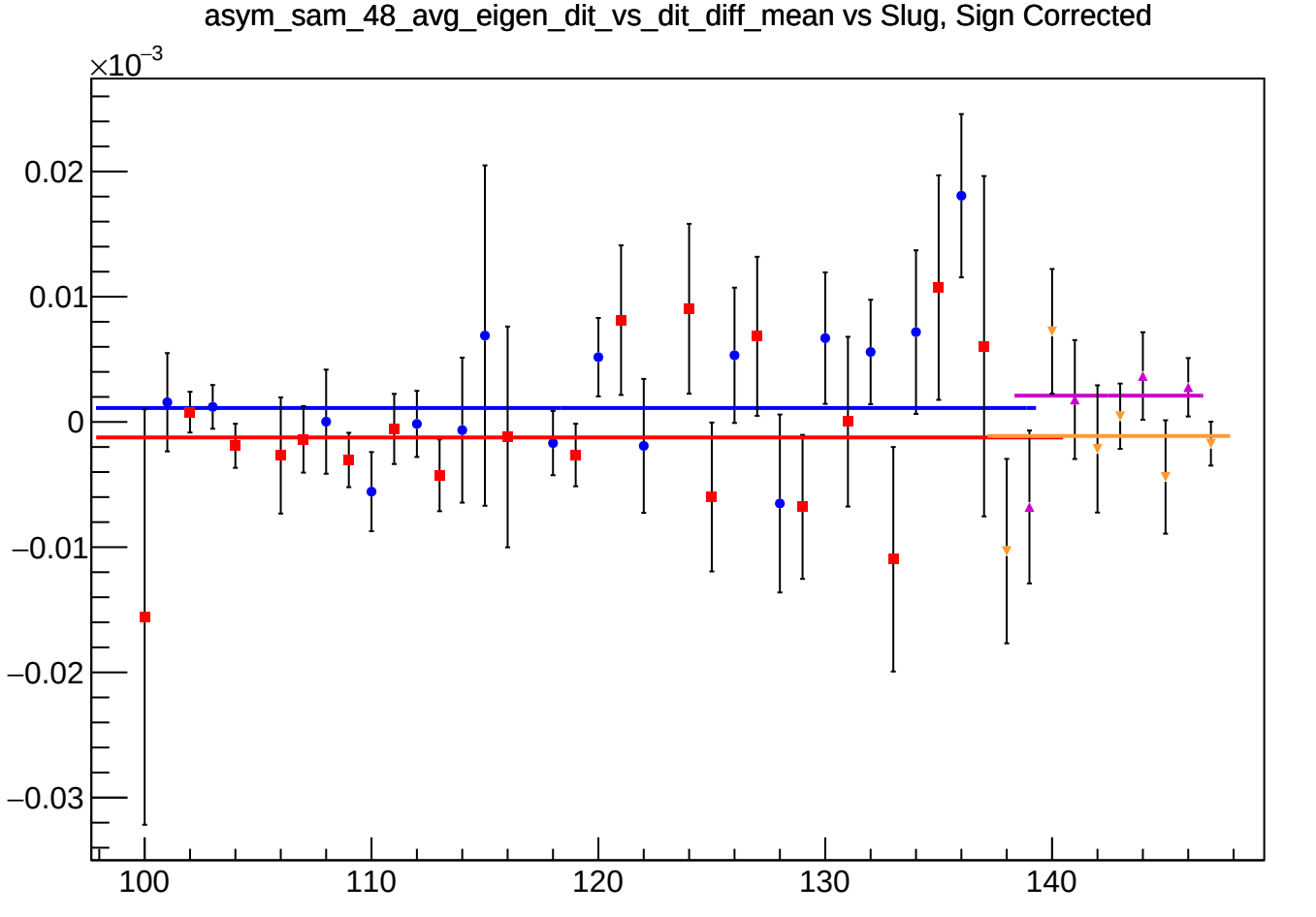
Left: 77.211+/-0.020 χ^2/NDF: 452699.2/9

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 46.368+/-0.012 χ^2/NDF:4110820.1/19

Out: 49.941+/-0.012 χ^2/NDF:3782282.6/24

All: 48.166+/-0.008 χ^2/NDF: 7941042.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

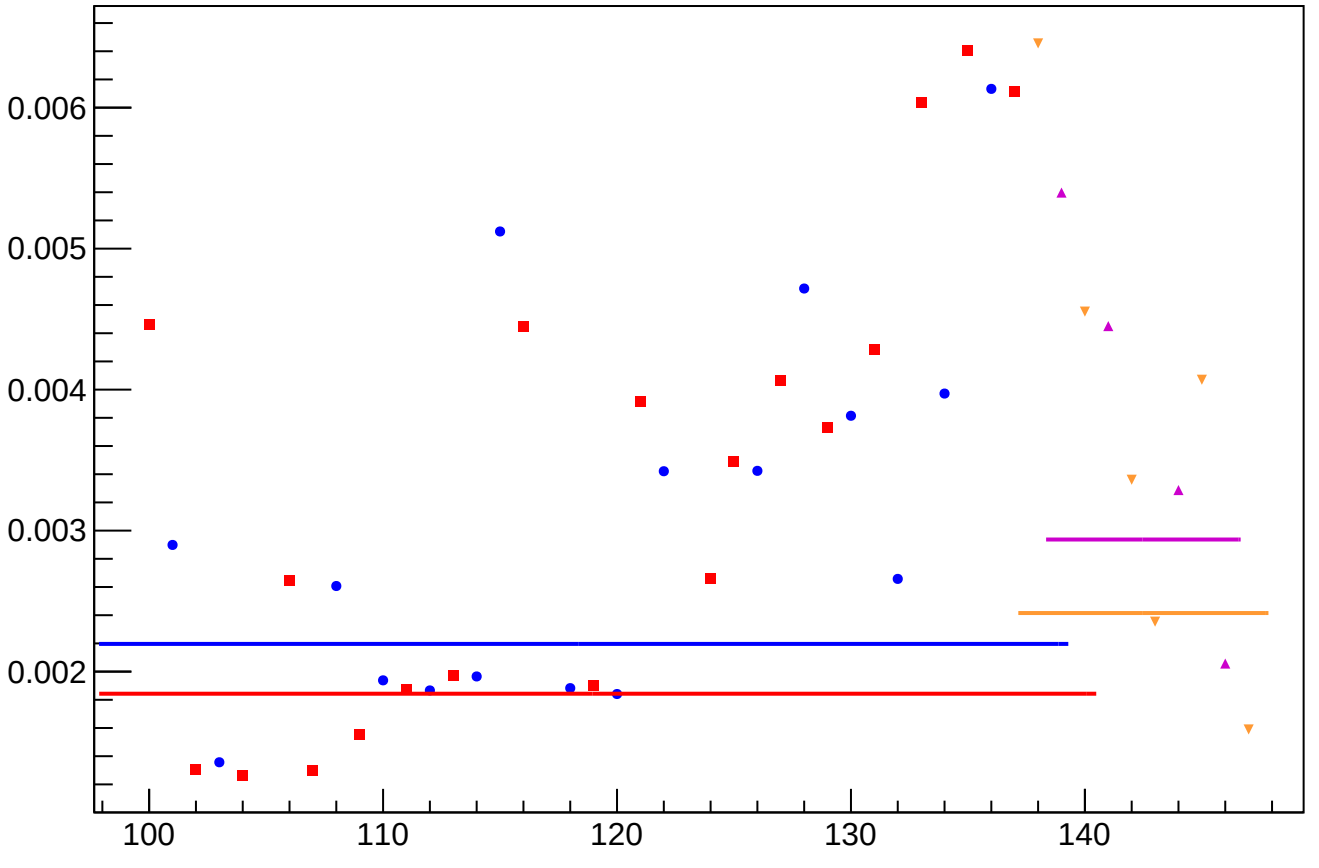
Left: 0.000+/-0.000 χ^2/NDF: 10.1/9

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:22.6/19

Out: -0.000+/-0.000 χ^2/NDF:21.4/24

All: -0.000+/-0.000 χ^2/NDF: 49.9/44



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1751875.1/5

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:833196.6/3

Left: 0.003+/-0.000 χ^2/NDF: 2703756.3/9

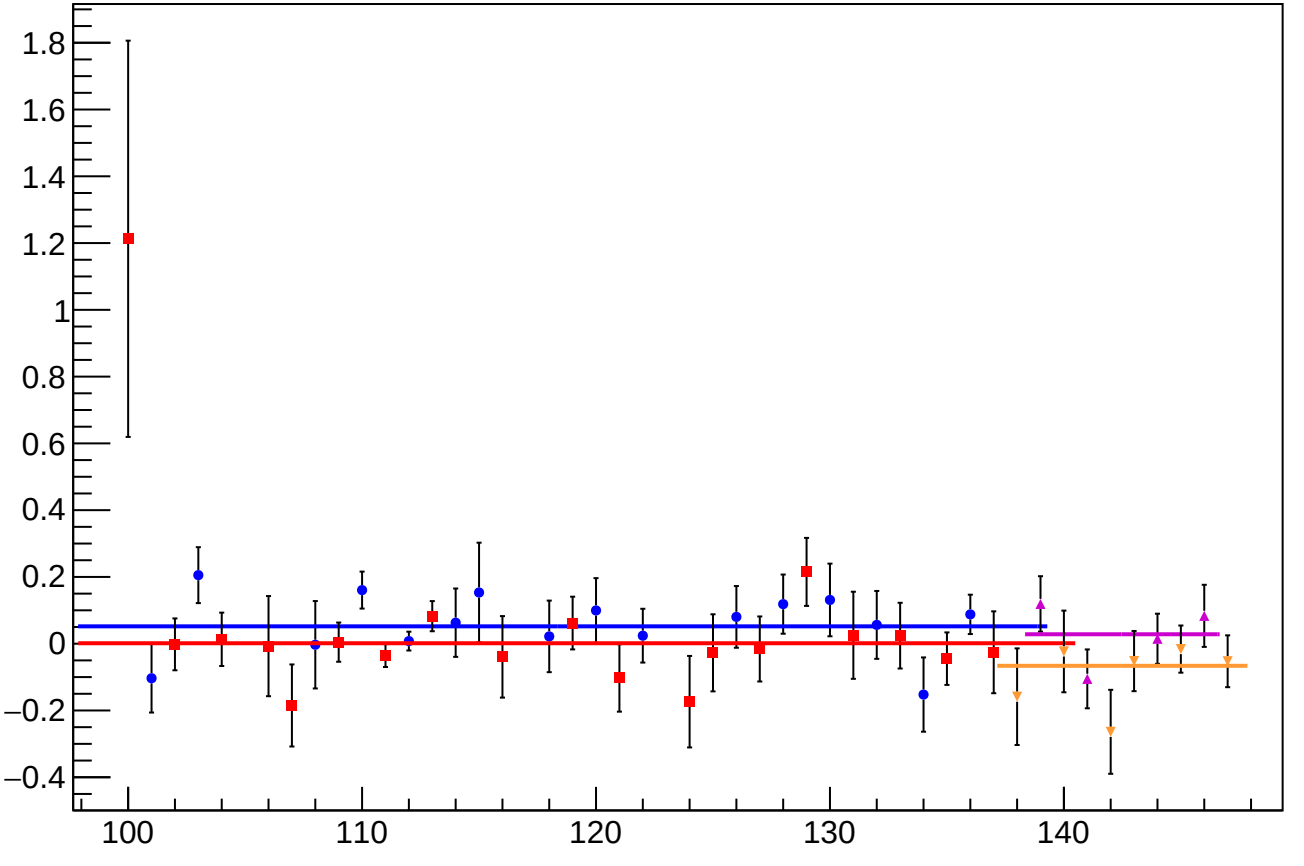
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:3415342.2/19

Out: 0.002+/-0.000 χ^2/NDF:5187245.1/24

All: 0.002+/-0.000 χ^2/NDF: 8847226.7/44

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: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.028+/-0.042 χ^2/NDF:3.9/3

Left: -0.023+/-0.028 χ^2/NDF: 10.2/9

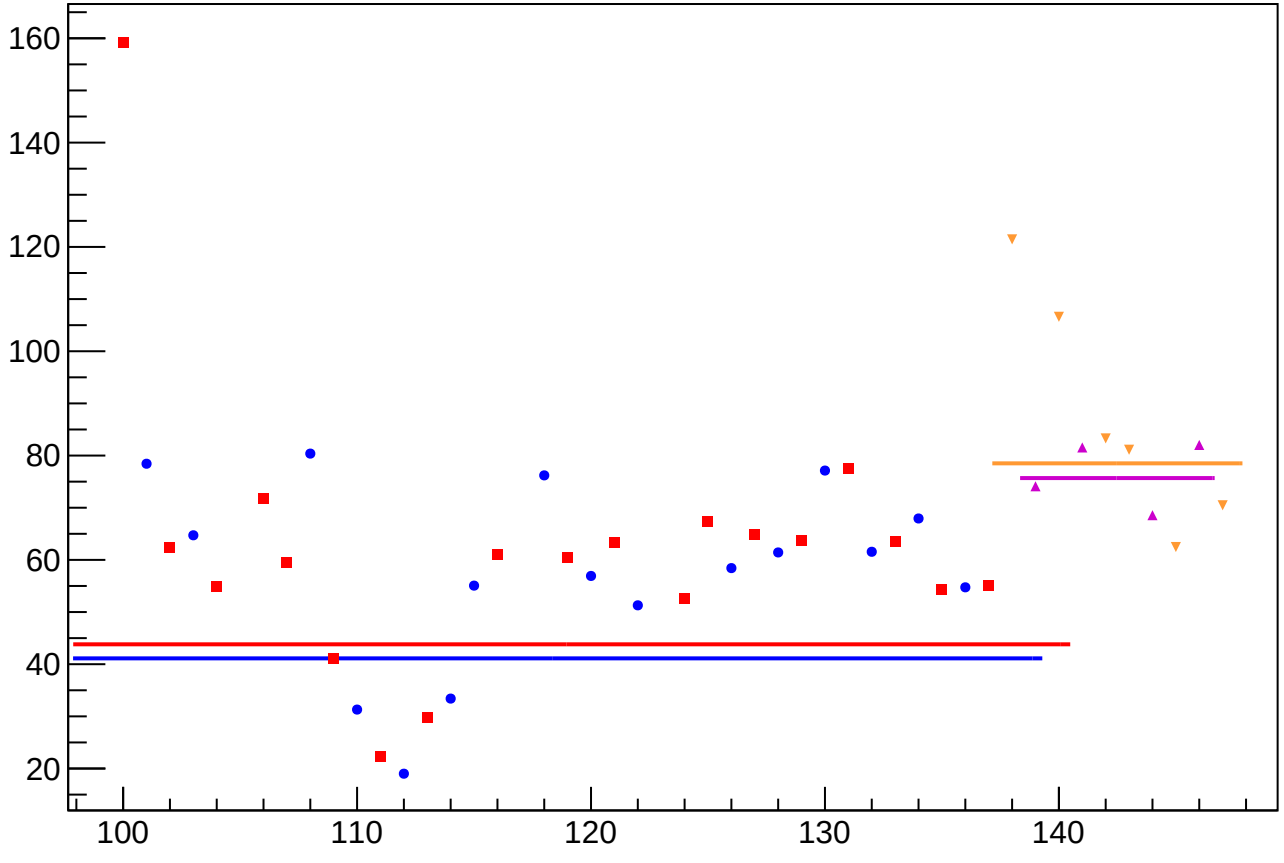
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.048+/-0.016 χ^2/NDF:22.1/19

Out: -0.011+/-0.016 χ^2/NDF:25.3/24

All: 0.019+/-0.012 χ^2/NDF: 54.0/44

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: 78.507+/-0.027 χ^2/NDF:410926.6/5

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 75.685+/-0.030 χ^2/NDF:36866.9/3

Left: 77.211+/-0.020 χ^2/NDF: 452675.9/9

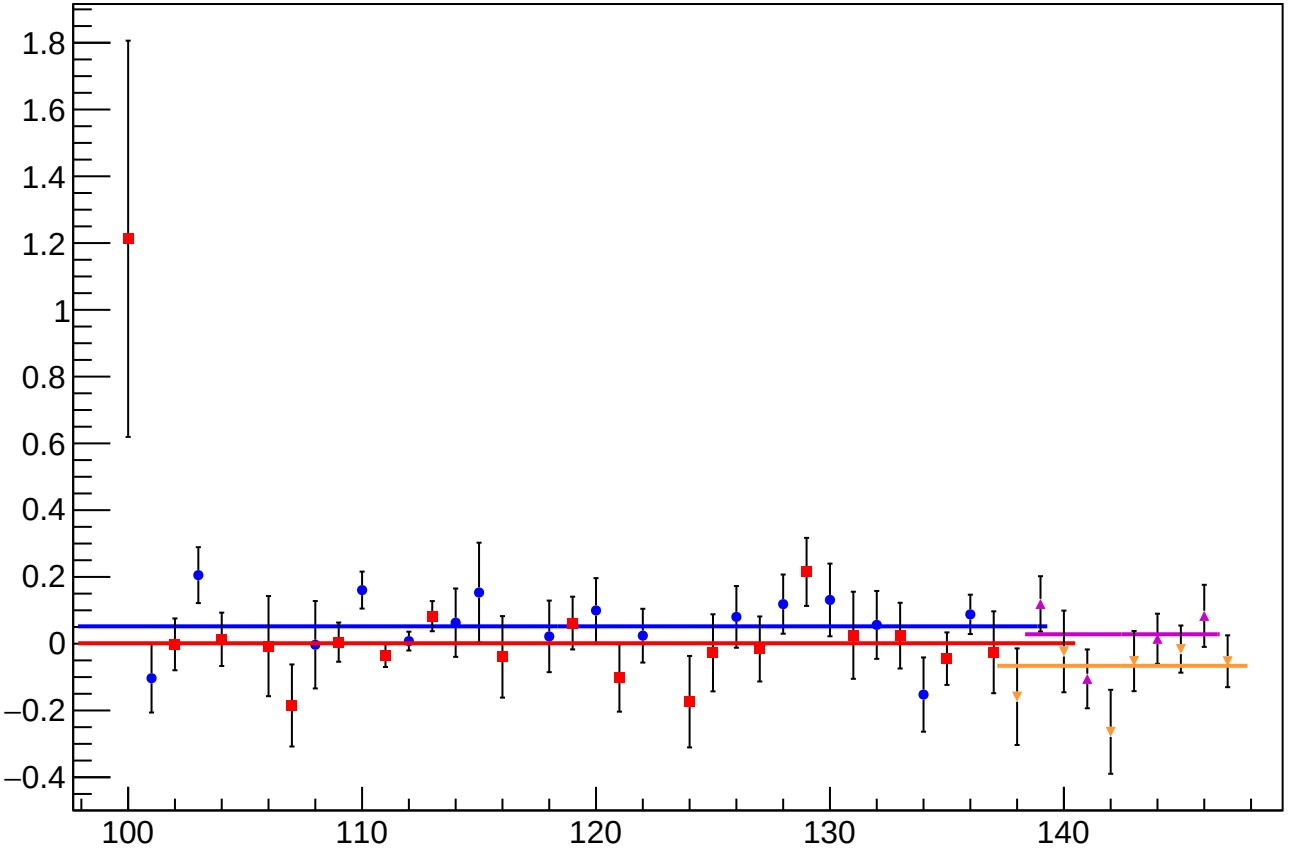
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 46.367+/-0.012 χ^2/NDF:4111076.7/19

Out: 49.940+/-0.012 χ^2/NDF:3782557.2/24

All: 48.165+/-0.008 χ^2/NDF: 7941576.3/44

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: -0.066+/-0.039 χ^2/NDF:3.6/5

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.028+/-0.042 χ^2/NDF:3.9/3

Left: -0.023+/-0.028 χ^2/NDF: 10.2/9

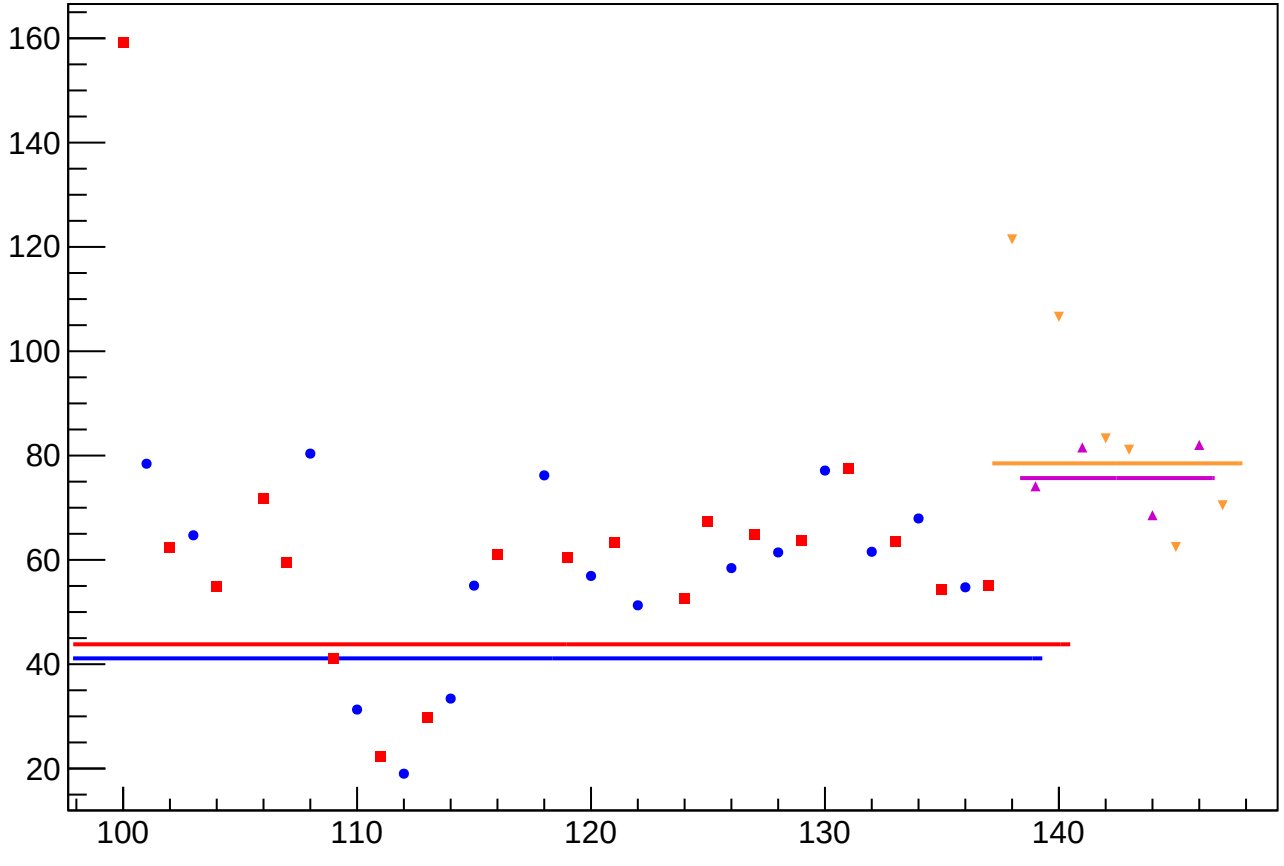
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.048+/-0.016 χ^2/NDF:22.1/19

Out: -0.011+/-0.016 χ^2/NDF:25.3/24

All: 0.019+/-0.012 χ^2/NDF: 54.0/44

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: 78.507+/-0.027 χ^2/NDF:410926.6/5

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 75.685+/-0.030 χ^2/NDF:36866.9/3

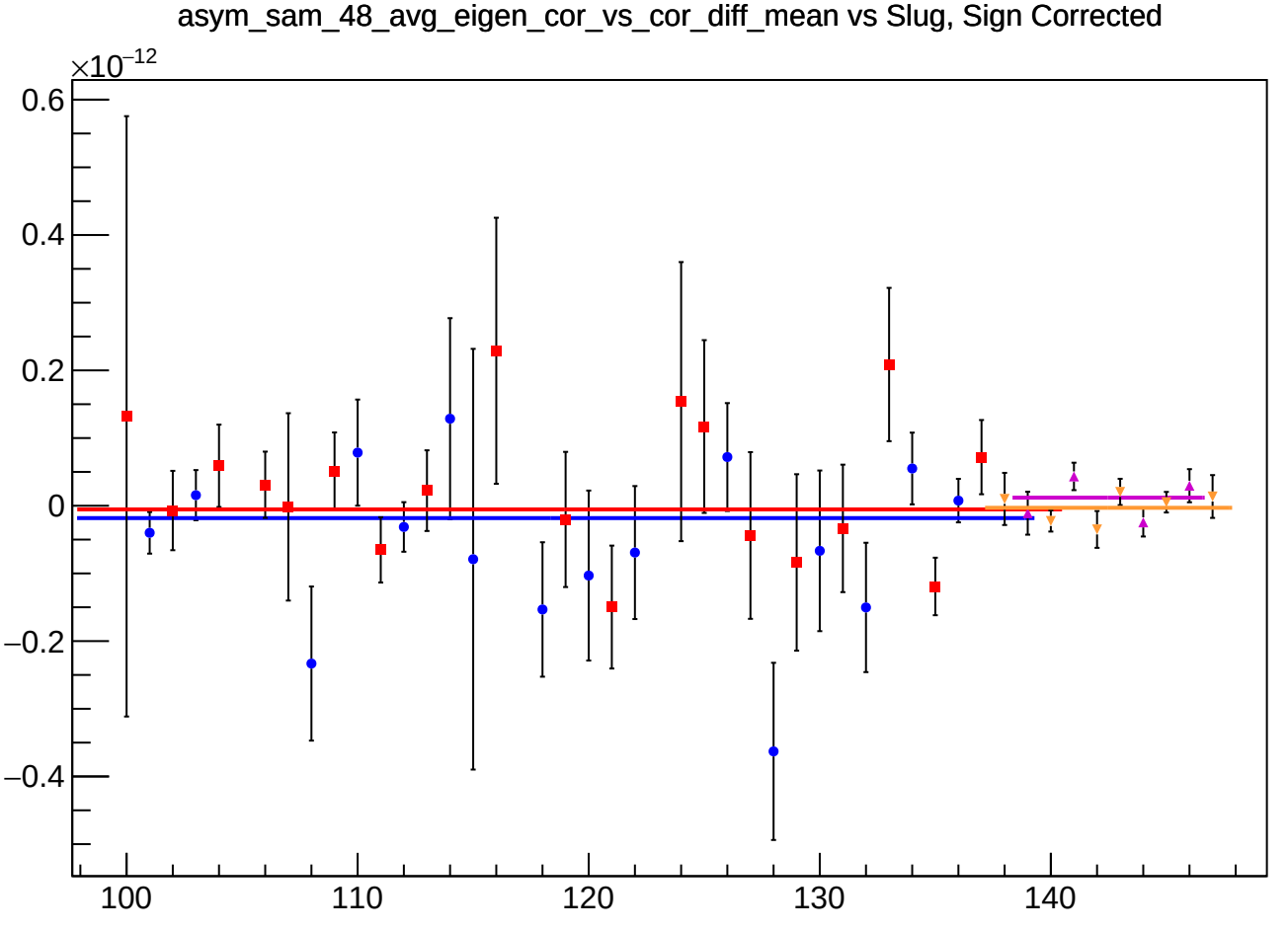
Left: 77.211+/-0.020 χ^2/NDF: 452675.9/9

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 46.367+/-0.012 χ^2/NDF:4111076.7/19

Out: 49.940+/-0.012 χ^2/NDF:3782557.2/24

All: 48.165+/-0.008 χ^2/NDF: 7941576.3/44



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/3

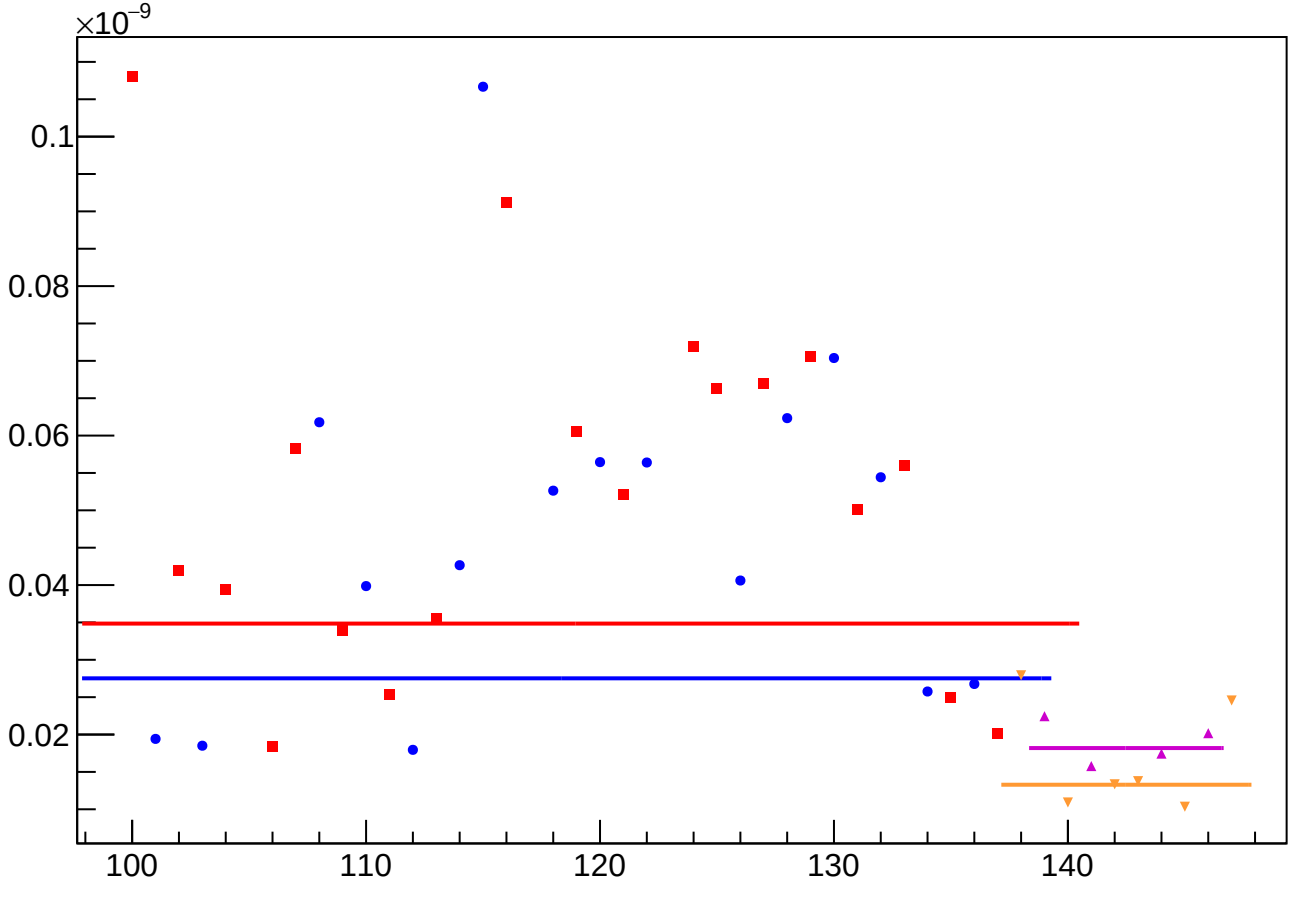
Left: 0.000+/-0.000 χ^2/NDF: 12.6/9

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:32.1/19

Out: -0.000+/-0.000 χ^2/NDF:28.4/24

All: -0.000+/-0.000 χ^2/NDF: 60.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:665555.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:80198.3/3

Left: 0.000+/-0.000 χ^2/NDF: 979107.2/9

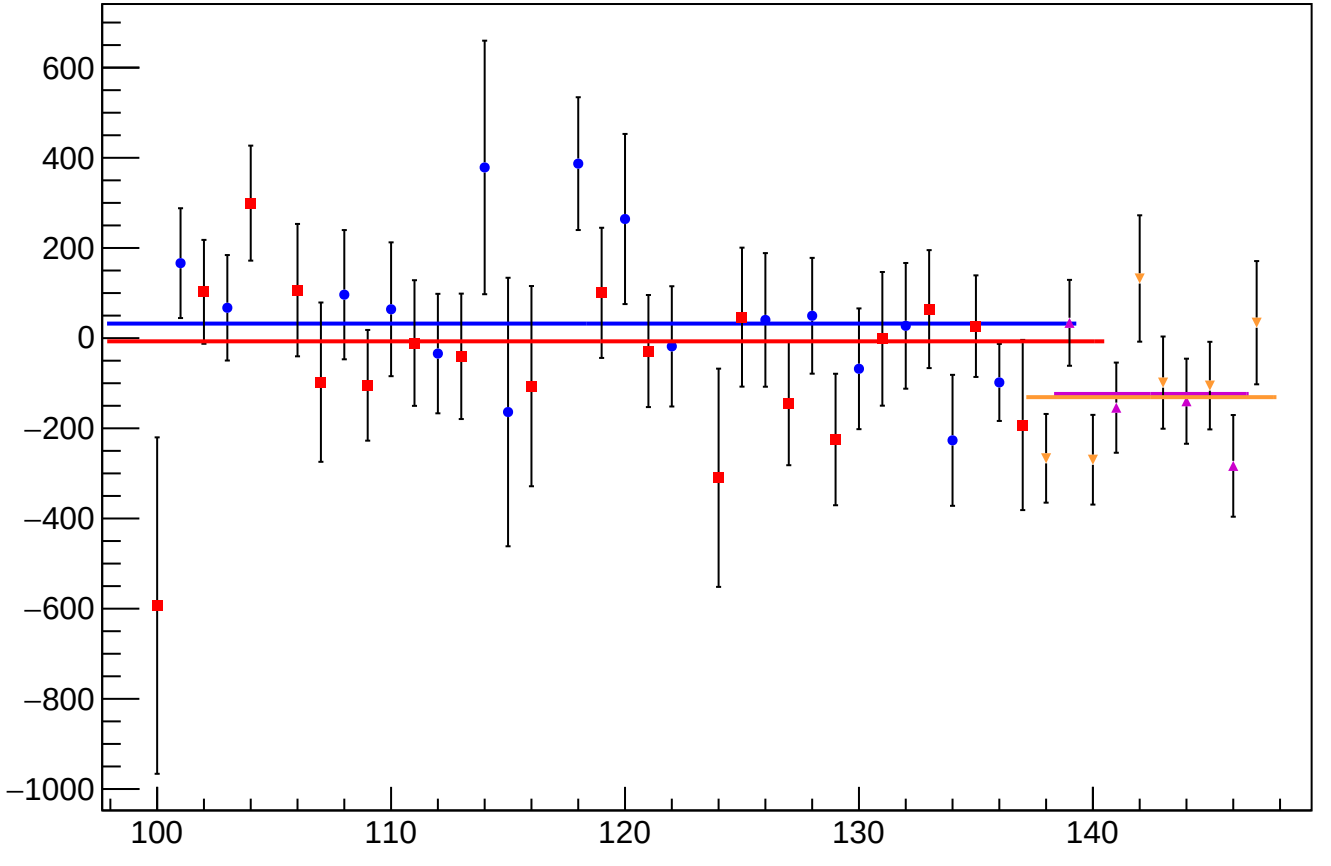
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2387314.5/19

Out: 0.000+/-0.000 χ^2/NDF:5002825.3/24

All: 0.000+/-0.000 χ^2/NDF: 7646816.4/44

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -130.871+/-44.264 χ^2/NDF:9.0/5

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -123.778+/-49.929 χ^2/NDF:4.9/3

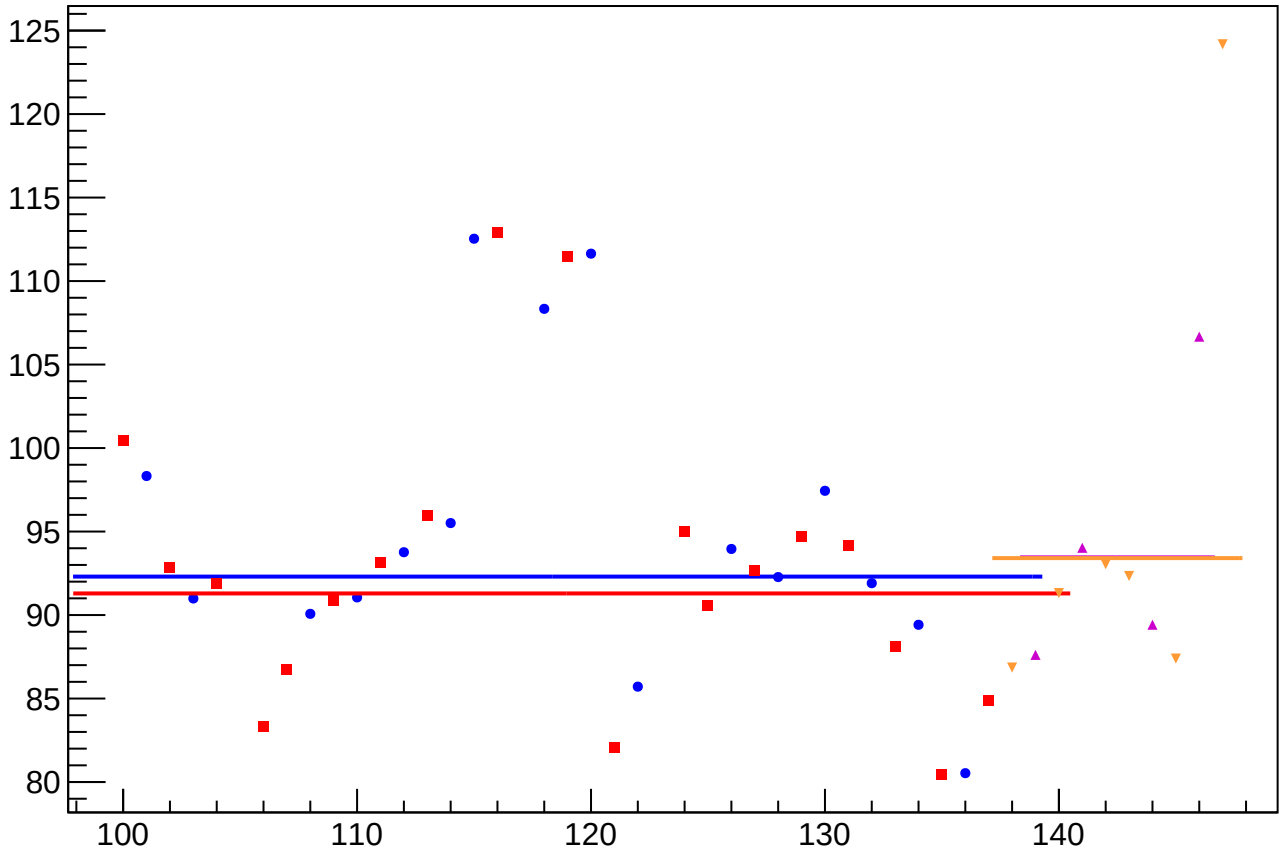
Left: -127.750+/-33.122 χ^2/NDF: 13.9/9

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -17.998+/-28.344 χ^2/NDF:28.8/19

Out: -52.019+/-26.672 χ^2/NDF:31.8/24

All: -36.042+/-19.424 χ^2/NDF: 61.3/44



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 93.409+/-0.031 χ^2/NDF:119024.7/5

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

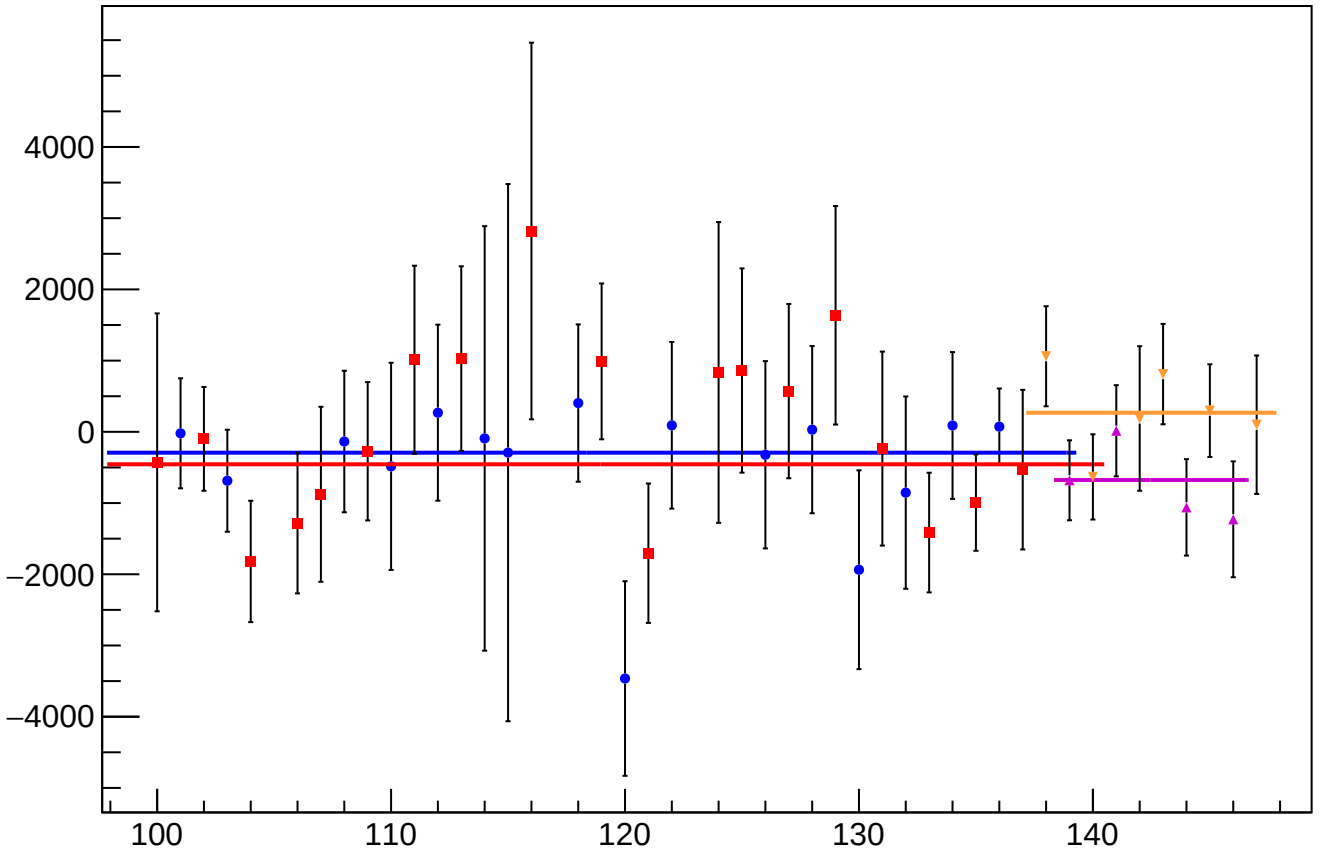
Left: 93.429+/-0.023 χ^2/NDF: 157722.6/9

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 92.674+/-0.020 χ^2/NDF:146484.7/19

Out: 92.062+/-0.019 χ^2/NDF:227030.9/24

All: 92.349+/-0.014 χ^2/NDF: 374010.0/44



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.973+/-298.528 χ^2/NDF:4.2/5

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -676.005+/-327.890 χ^2/NDF:1.9/3

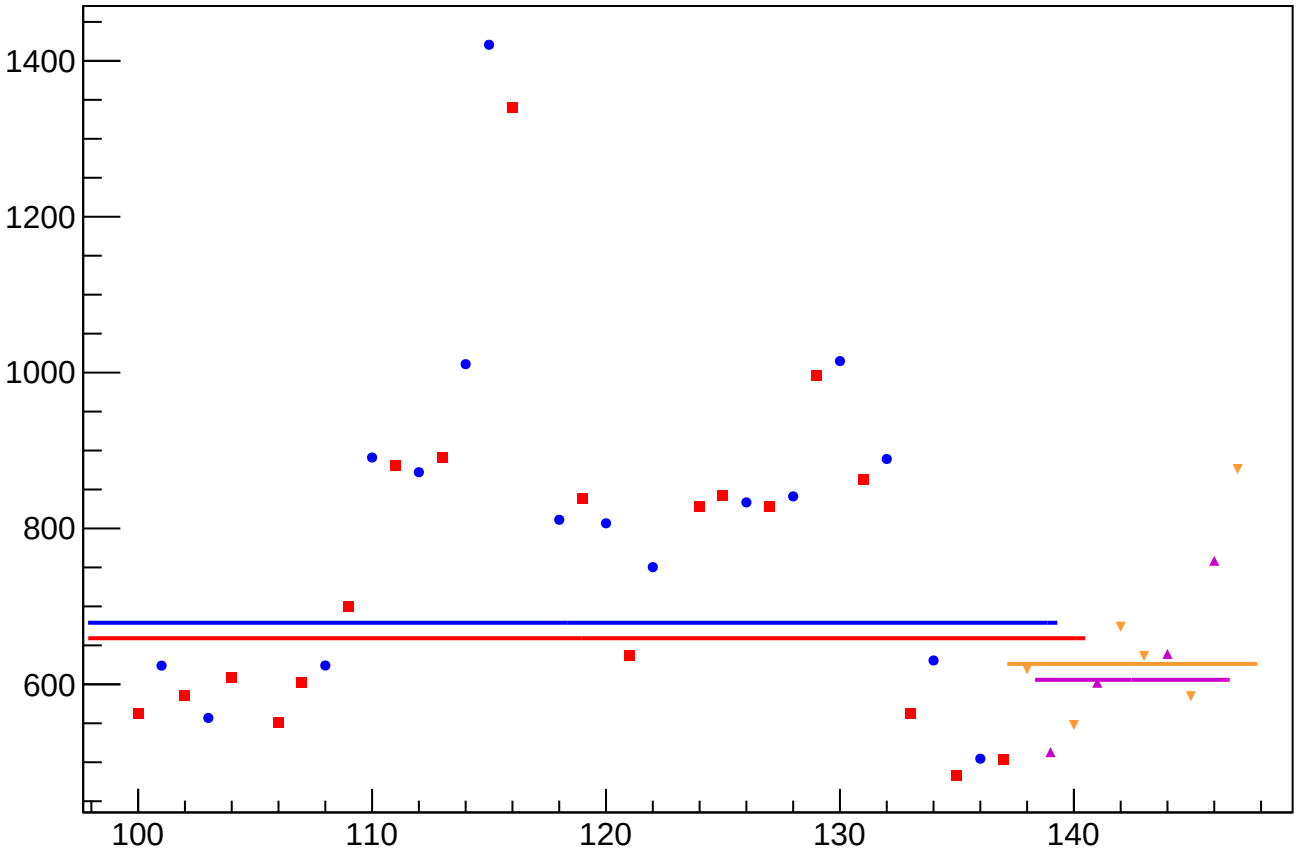
Left: -159.865+/-220.743 χ^2/NDF: 10.7/9

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -440.489+/-203.577 χ^2/NDF:11.6/19

Out: -159.269+/-191.087 χ^2/NDF:24.5/24

All: -290.989+/-139.325 χ^2/NDF: 37.1/44



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 626.204+/-0.211 χ^2/NDF:179740.2/5

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 605.797+/-0.232 χ^2/NDF:129973.2/3

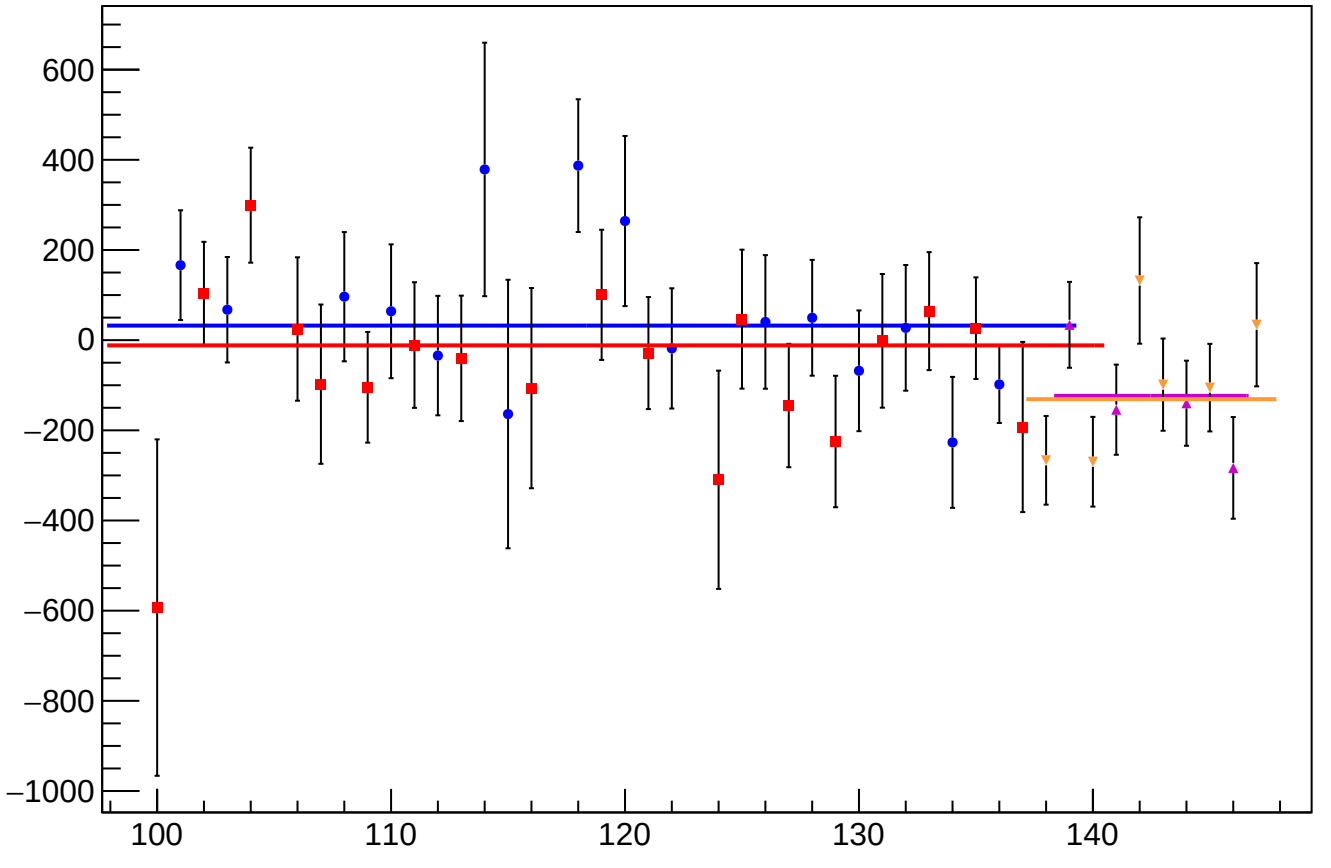
Left: 616.955+/-0.156 χ^2/NDF: 313949.5/9

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 650.784+/-0.144 χ^2/NDF:959220.6/19

Out: 645.641+/-0.135 χ^2/NDF:989981.6/24

All: 648.050+/-0.099 χ^2/NDF: 1949880.6/44



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -130.879+/-44.264 χ^2/NDF:9.0/5

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -123.784+/-49.929 χ^2/NDF:4.9/3

Left: -127.757+/-33.122 χ^2/NDF: 13.9/9

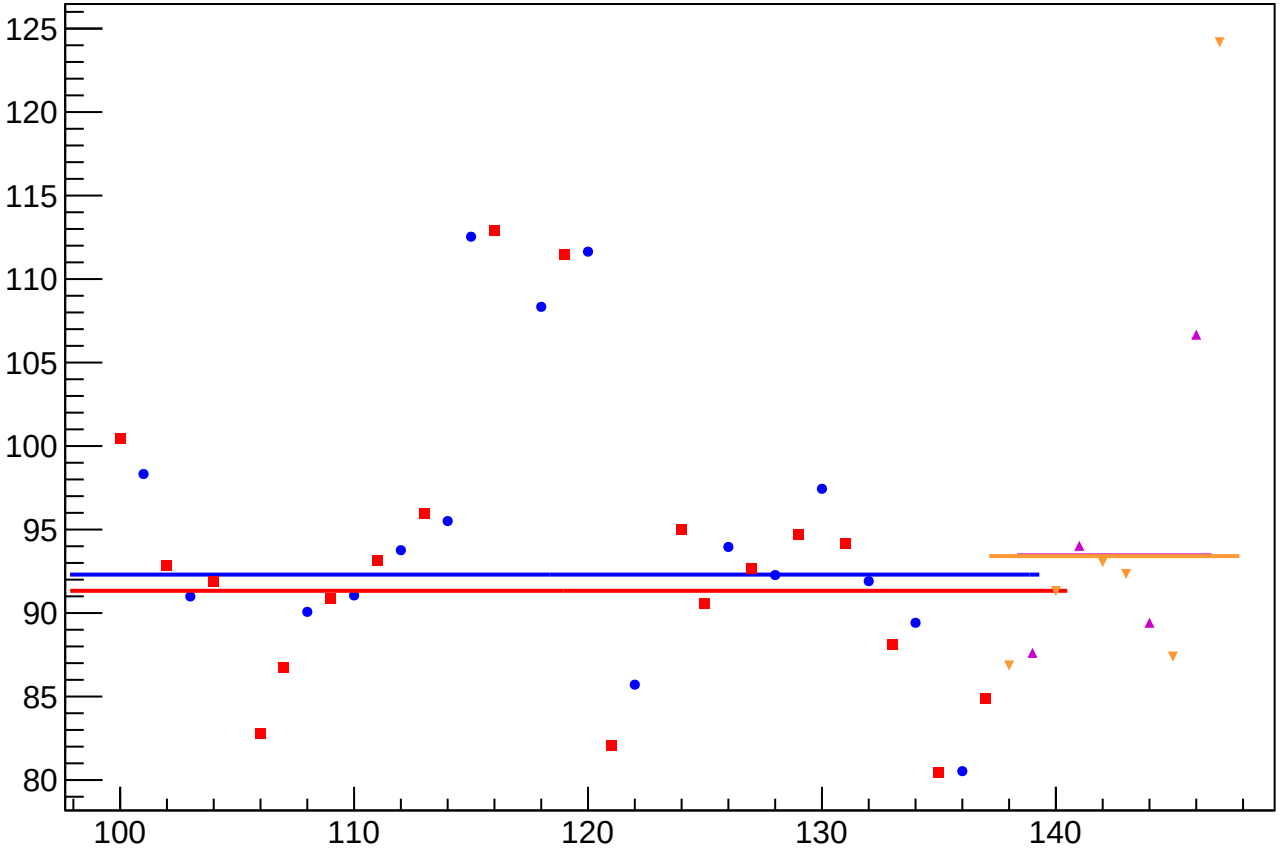
Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -17.990+/-28.344 χ^2/NDF:28.8/19

Out: -55.104+/-26.737 χ^2/NDF:30.8/24

All: -37.629+/-19.449 χ^2/NDF: 60.5/44

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 93.409+/-0.031 χ^2/NDF:119024.7/5

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

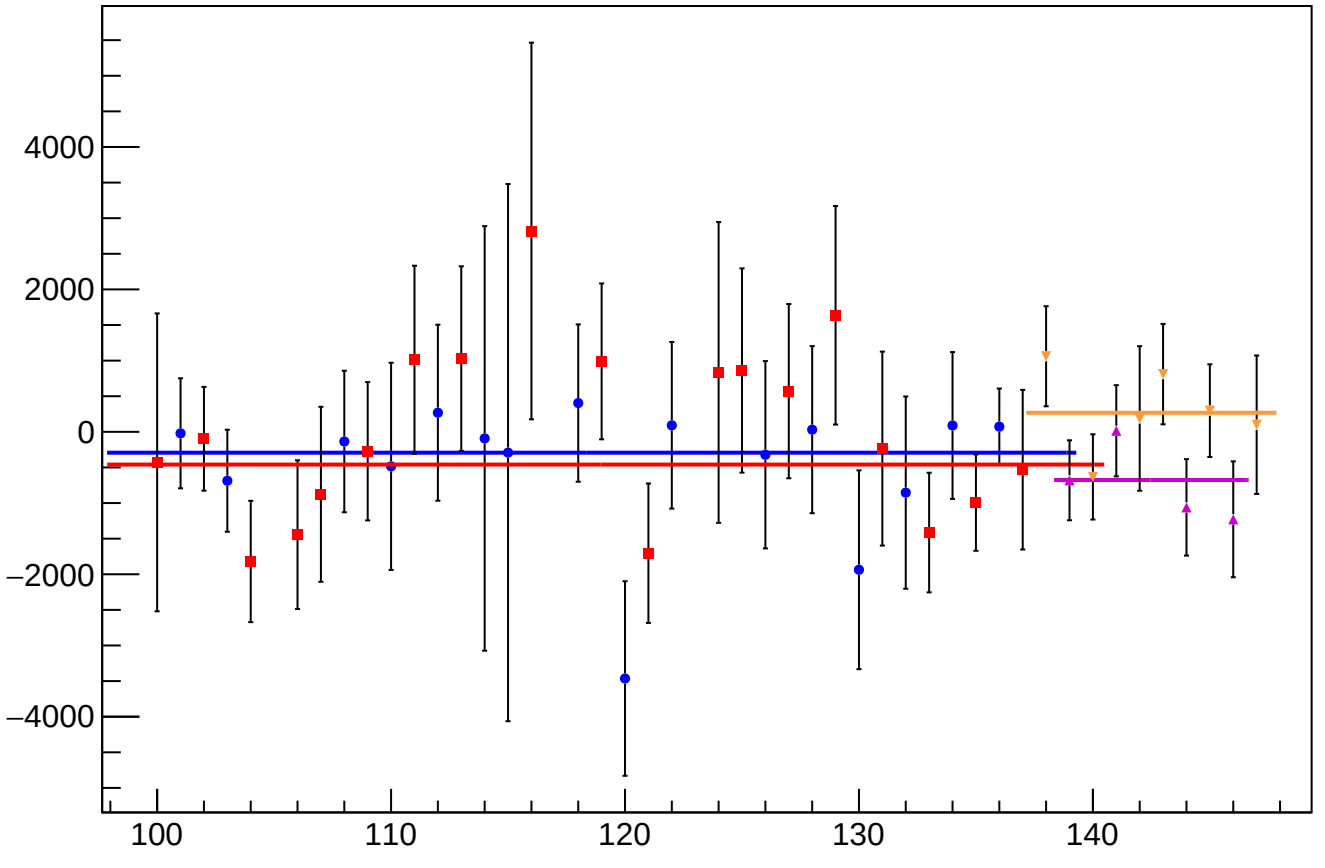
Left: 93.429+/-0.023 χ^2/NDF: 157722.6/9

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 92.674+/-0.020 χ^2/NDF:146484.7/19

Out: 92.090+/-0.019 χ^2/NDF:226740.3/24

All: 92.365+/-0.014 χ^2/NDF: 373674.0/44



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.966+/-298.528 χ^2/NDF:4.2/5

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -676.005+/-327.891 χ^2/NDF:1.9/3

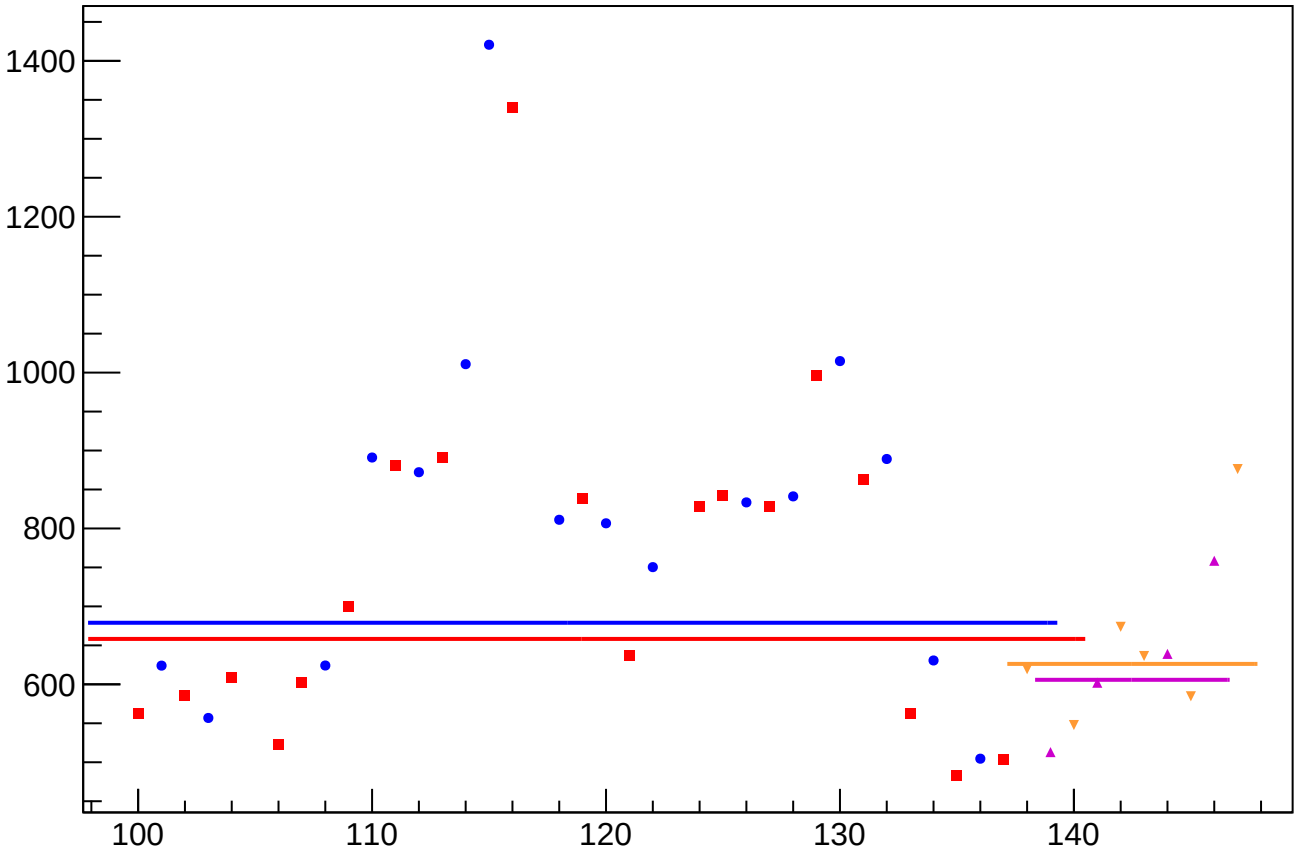
Left: -159.868+/-220.743 χ^2/NDF: 10.7/9

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -440.488+/-203.577 χ^2/NDF:11.6/19

Out: -160.326+/-191.461 χ^2/NDF:24.7/24

All: -291.823+/-139.470 χ^2/NDF: 37.3/44



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 626.204+/-0.211 χ^2/NDF:179740.8/5

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 605.797+/-0.232 χ^2/NDF:129974.2/3

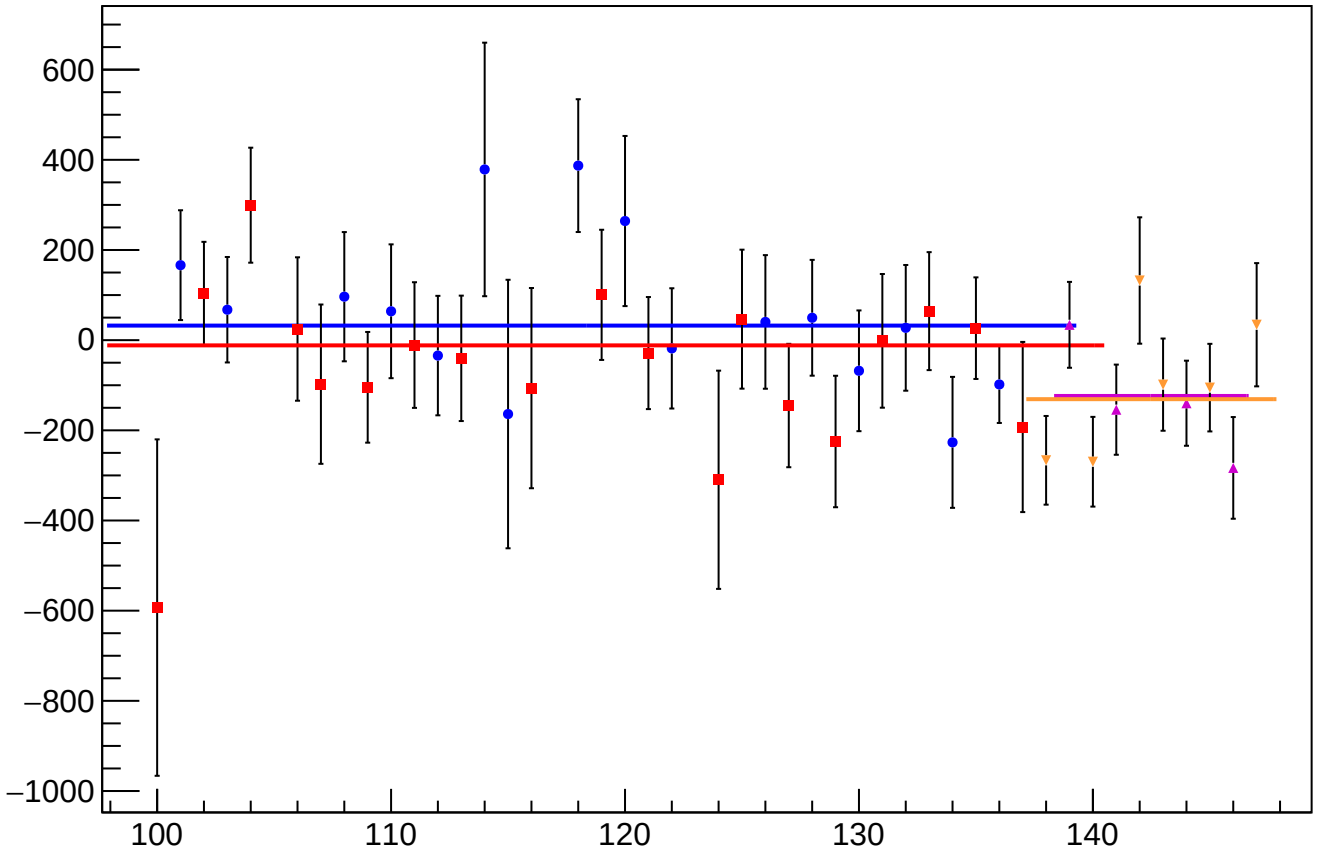
Left: 616.955+/-0.156 χ^2/NDF: 313950.9/9

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 650.784+/-0.144 χ^2/NDF:959223.0/19

Out: 645.076+/-0.135 χ^2/NDF:999215.5/24

All: 647.755+/-0.099 χ^2/NDF: 1959272.8/44



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -130.879+/-44.264 χ^2/NDF:9.0/5

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -123.784+/-49.929 χ^2/NDF:4.9/3

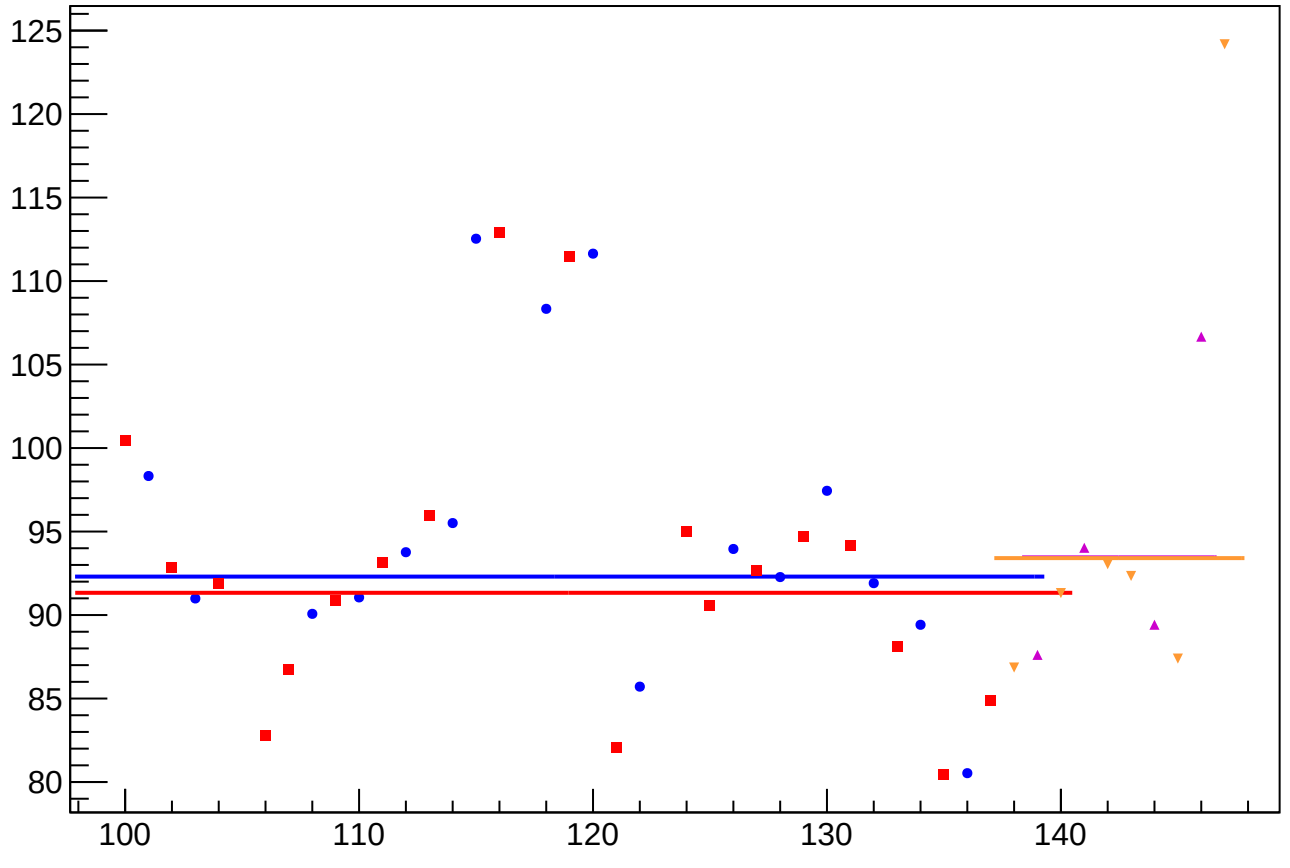
Left: -127.757+/-33.122 χ^2/NDF: 13.9/9

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -17.990+/-28.344 χ^2/NDF:28.8/19

Out: -55.104+/-26.737 χ^2/NDF:30.8/24

All: -37.629+/-19.449 χ^2/NDF: 60.5/44



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 93.409+/-0.031 χ^2/NDF:119024.7/5

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 93.454+/-0.035 χ^2/NDF:38697.0/3

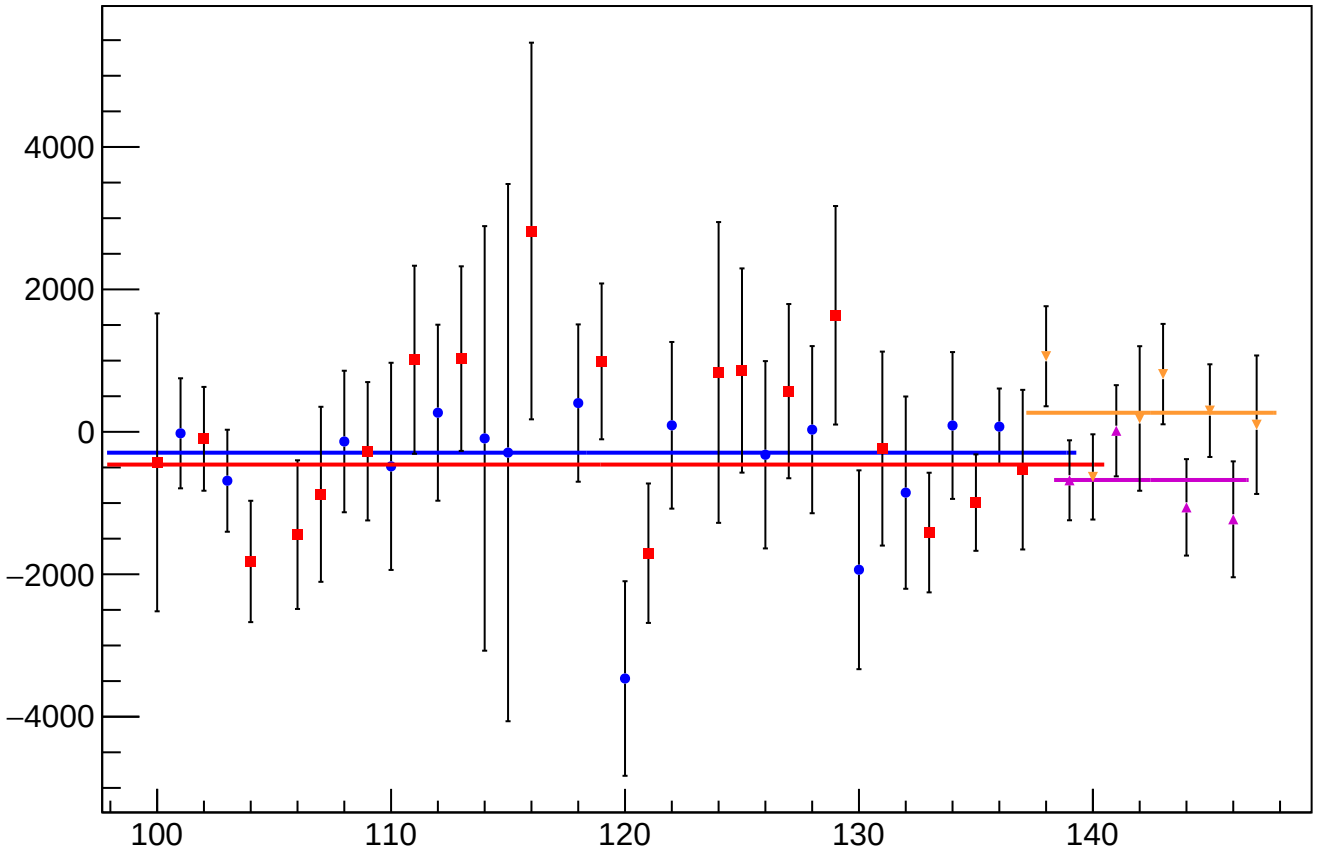
Left: 93.429+/-0.023 χ^2/NDF: 157722.6/9

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 92.674+/-0.020 χ^2/NDF:146484.7/19

Out: 92.090+/-0.019 χ^2/NDF:226740.3/24

All: 92.365+/-0.014 χ^2/NDF: 373674.0/44



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 267.966+/-298.528 χ^2/NDF:4.2/5

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -676.005+/-327.891 χ^2/NDF:1.9/3

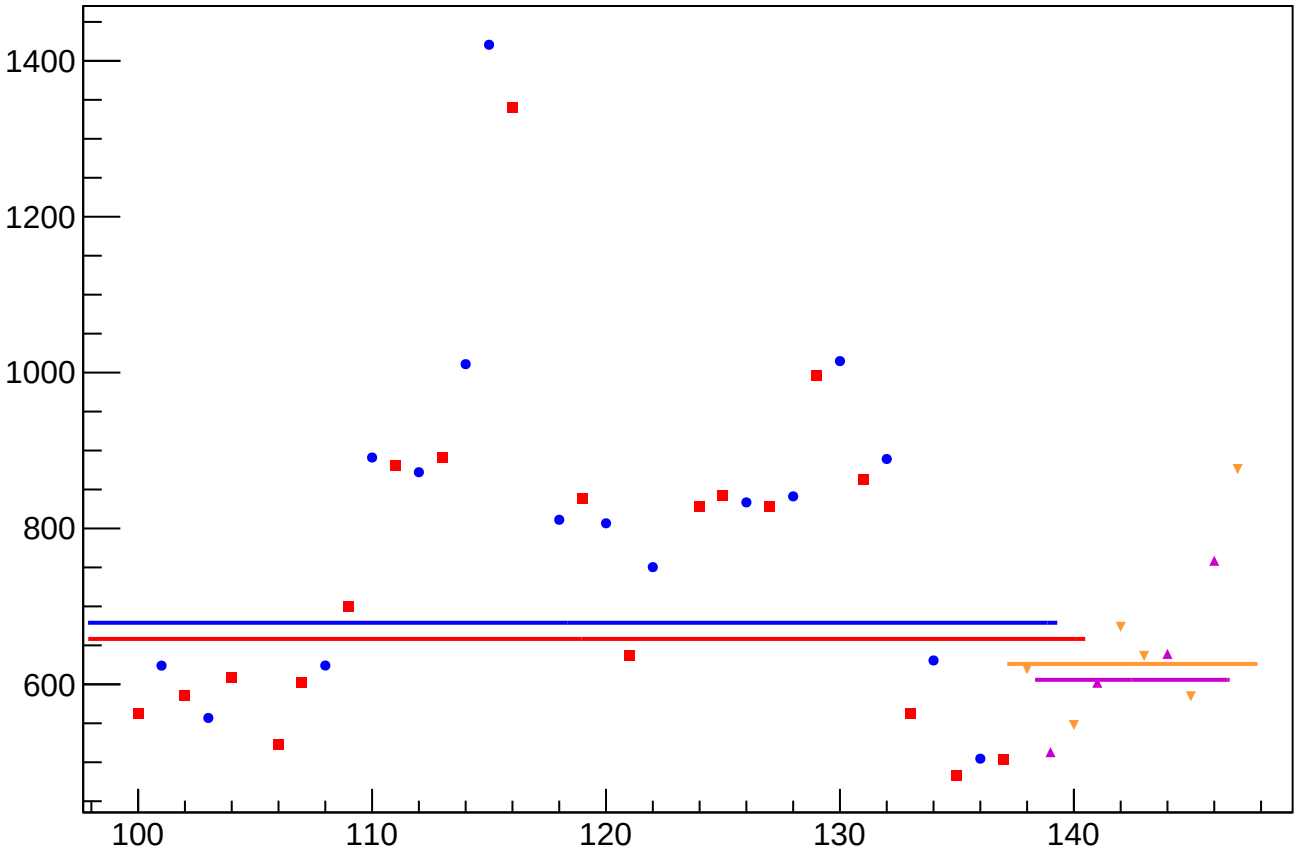
Left: -159.868+/-220.743 χ^2/NDF: 10.7/9

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -440.488+/-203.577 χ^2/NDF:11.6/19

Out: -160.326+/-191.461 χ^2/NDF:24.7/24

All: -291.823+/-139.470 χ^2/NDF: 37.3/44



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 626.204+/-0.211 χ^2/NDF:179740.8/5

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 605.797+/-0.232 χ^2/NDF:129974.2/3

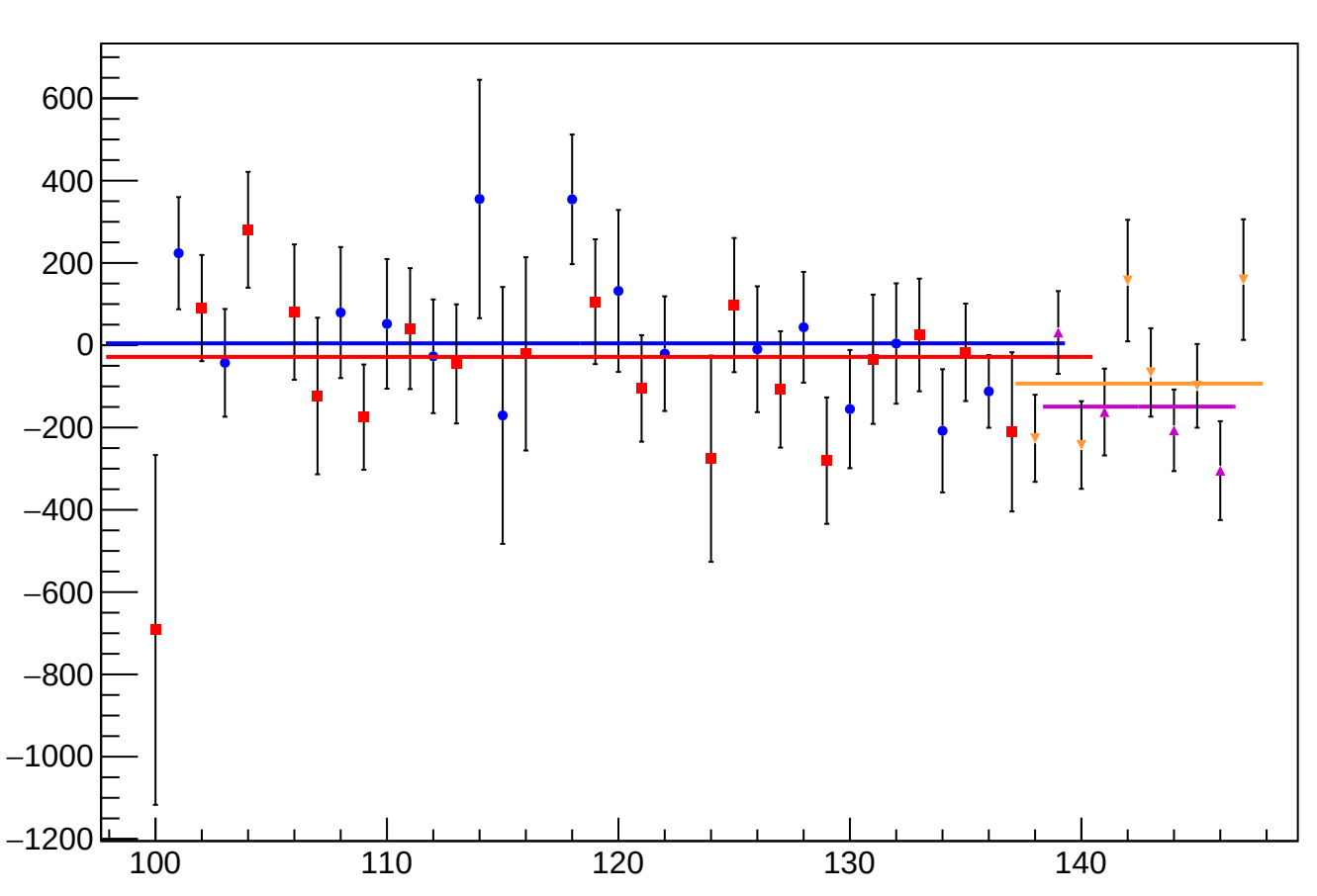
Left: 616.955+/-0.156 χ^2/NDF: 313950.9/9

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 650.784+/-0.144 χ^2/NDF:959223.0/19

Out: 645.076+/-0.135 χ^2/NDF:999215.5/24

All: 647.755+/-0.099 χ^2/NDF: 1959272.8/44



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.216+/-46.971 χ^2/NDF:9.5/5

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -149.246+/-52.734 χ^2/NDF:5.2/3

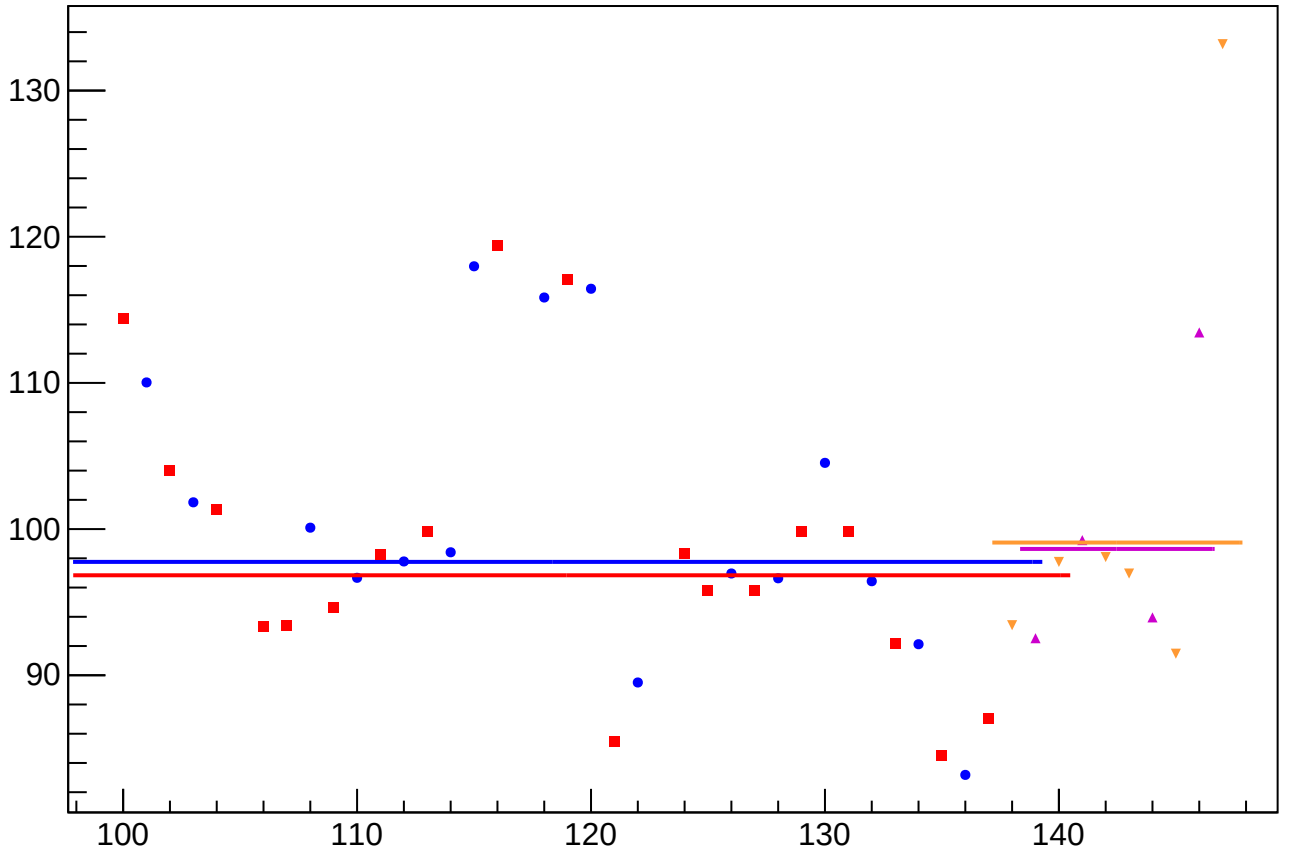
Left: -118.003+/-35.075 χ^2/NDF: 15.3/9

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -45.234+/-30.017 χ^2/NDF:26.3/19

Out: -51.939+/-28.303 χ^2/NDF:27.8/24

All: -48.783+/-20.593 χ^2/NDF: 54.1/44



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 99.079+/-0.033 χ^2/NDF:126285.5/5

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 98.642+/-0.037 χ^2/NDF:42283.4/3

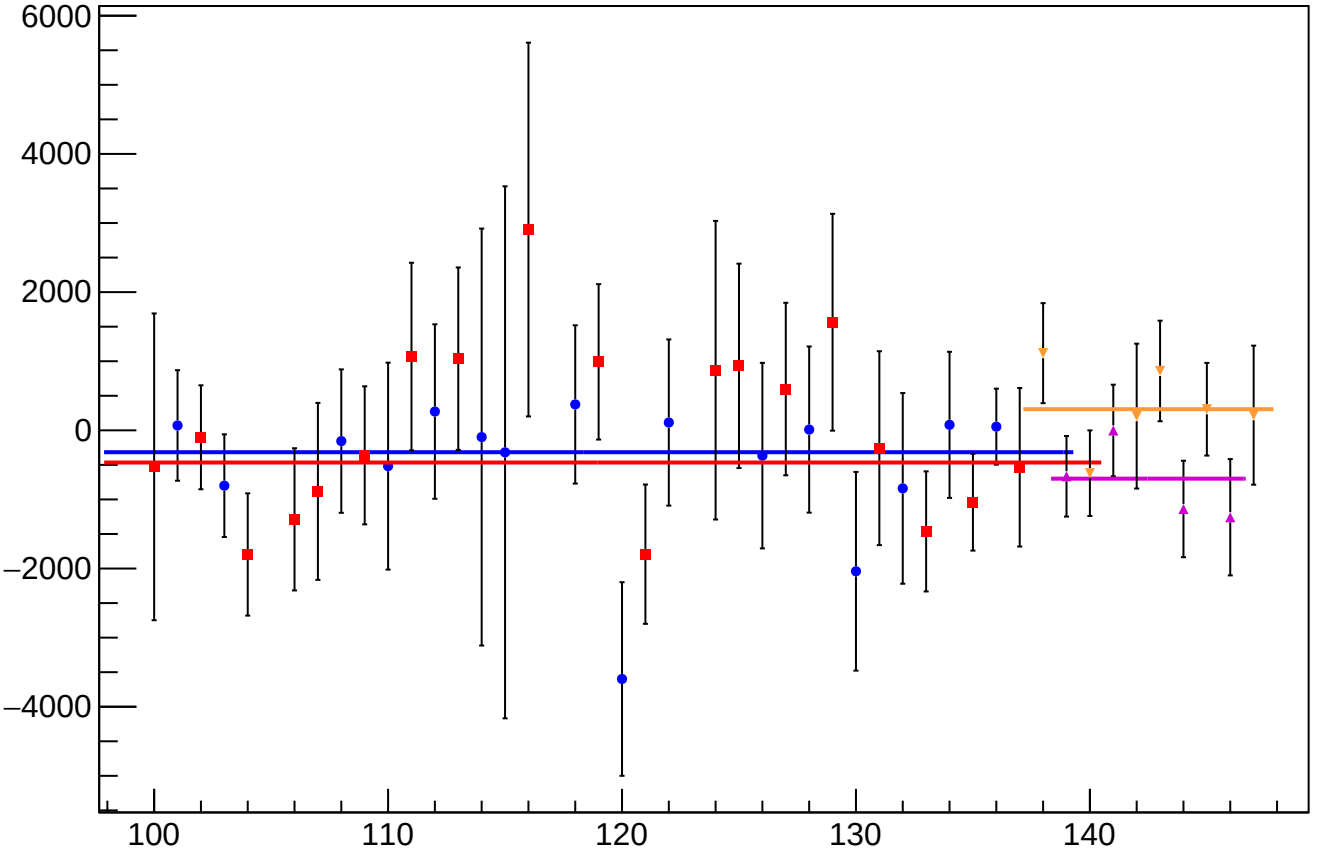
Left: 98.886+/-0.025 χ^2/NDF: 168645.8/9

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 98.043+/-0.021 χ^2/NDF:183319.4/19

Out: 97.653+/-0.020 χ^2/NDF:244352.7/24

All: 97.837+/-0.015 χ^2/NDF: 427850.8/44



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 306.082+/-308.188 χ^2/NDF:4.1/5

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -699.404+/-339.377 χ^2/NDF:1.9/3

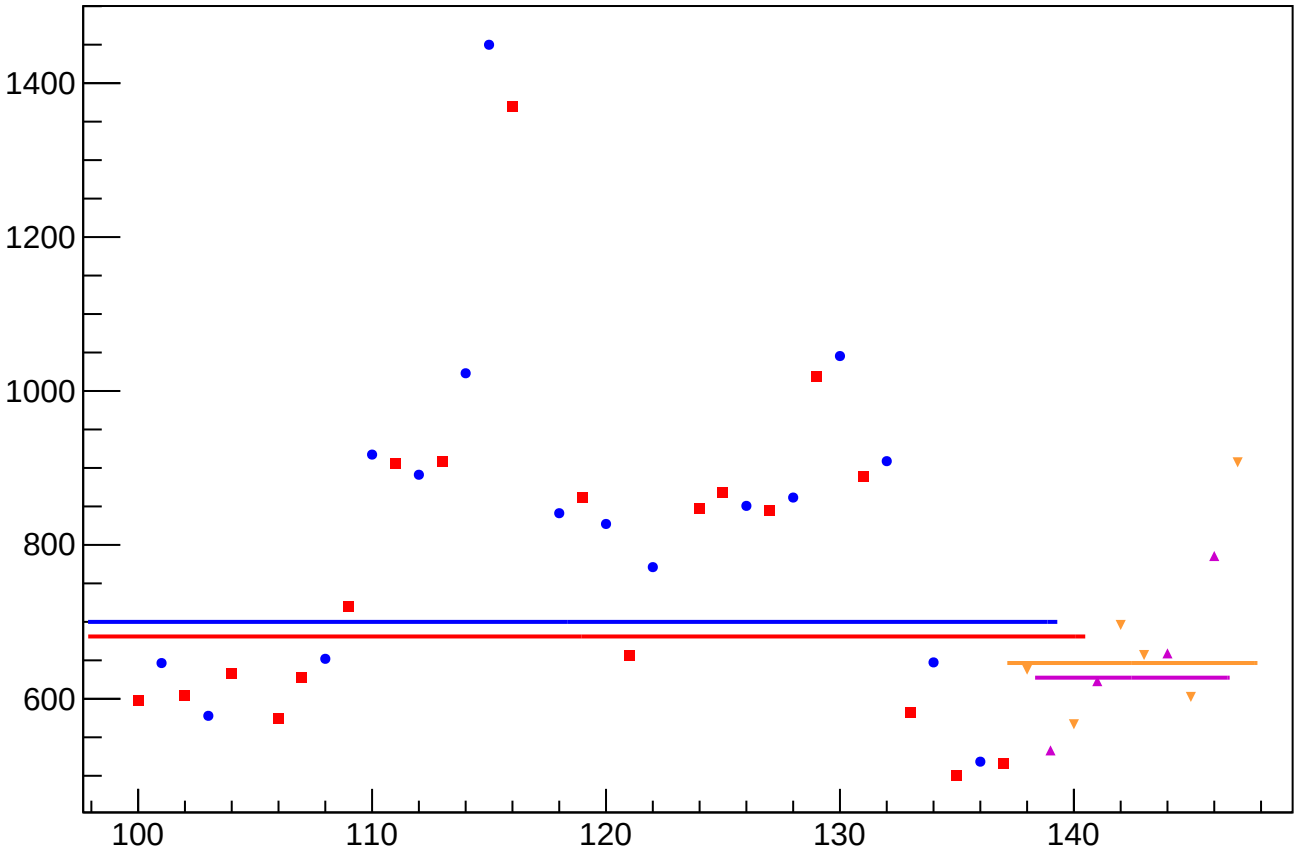
Left: -148.345+/-228.153 χ^2/NDF: 10.8/9

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -463.283+/-210.093 χ^2/NDF:11.9/19

Out: -149.581+/-197.217 χ^2/NDF:24.3/24

All: -296.525+/-143.790 χ^2/NDF: 37.3/44



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 646.549+/-0.218 χ^2/NDF:181158.3/5

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 627.484+/-0.240 χ^2/NDF:127207.4/3

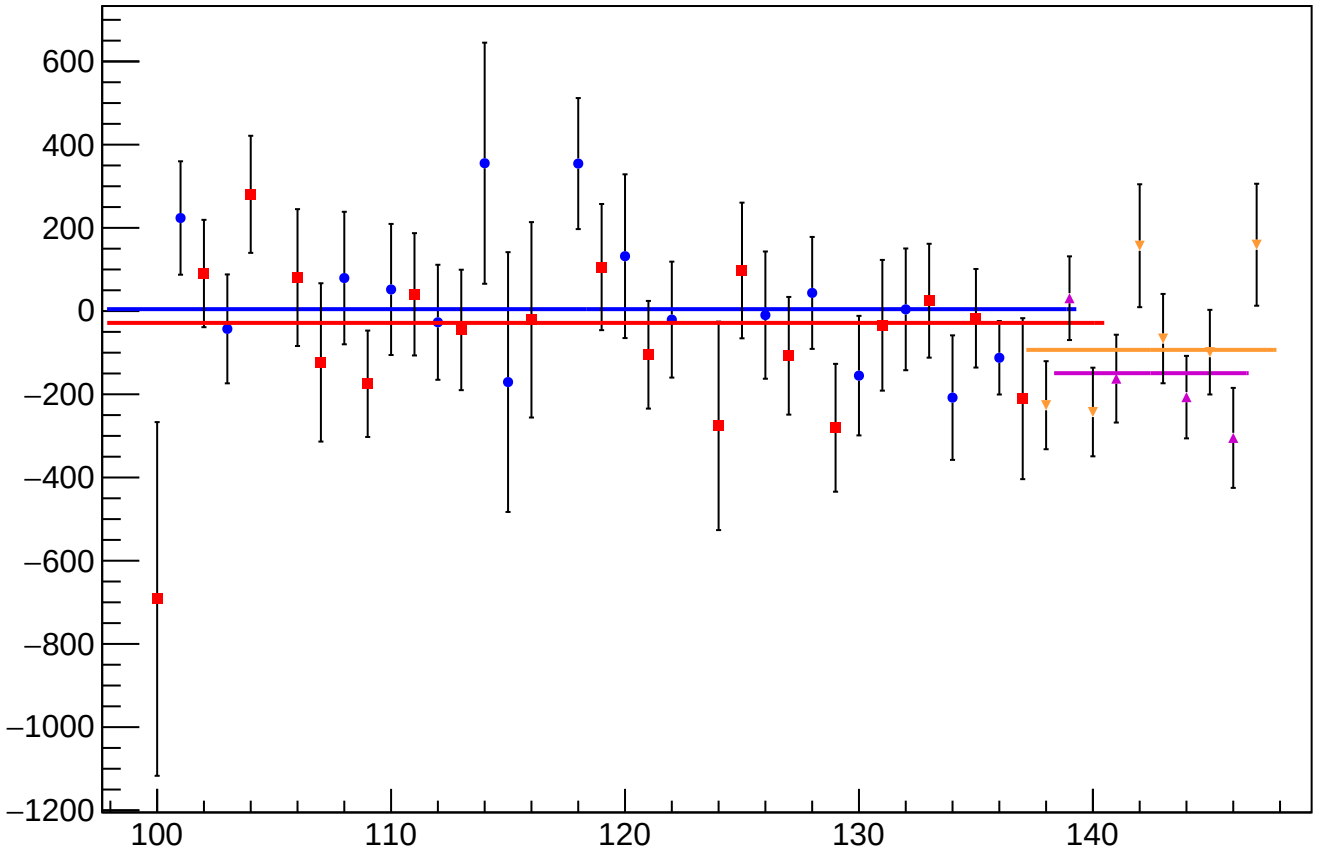
Left: 637.932+/-0.161 χ^2/NDF: 311824.9/9

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 672.193+/-0.149 χ^2/NDF:937150.5/19

Out: 666.902+/-0.139 χ^2/NDF:965327.5/24

All: 669.380+/-0.102 χ^2/NDF: 1903152.3/44



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.217+/-46.971 χ^2/NDF:9.5/5

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -149.247+/-52.735 χ^2/NDF:5.2/3

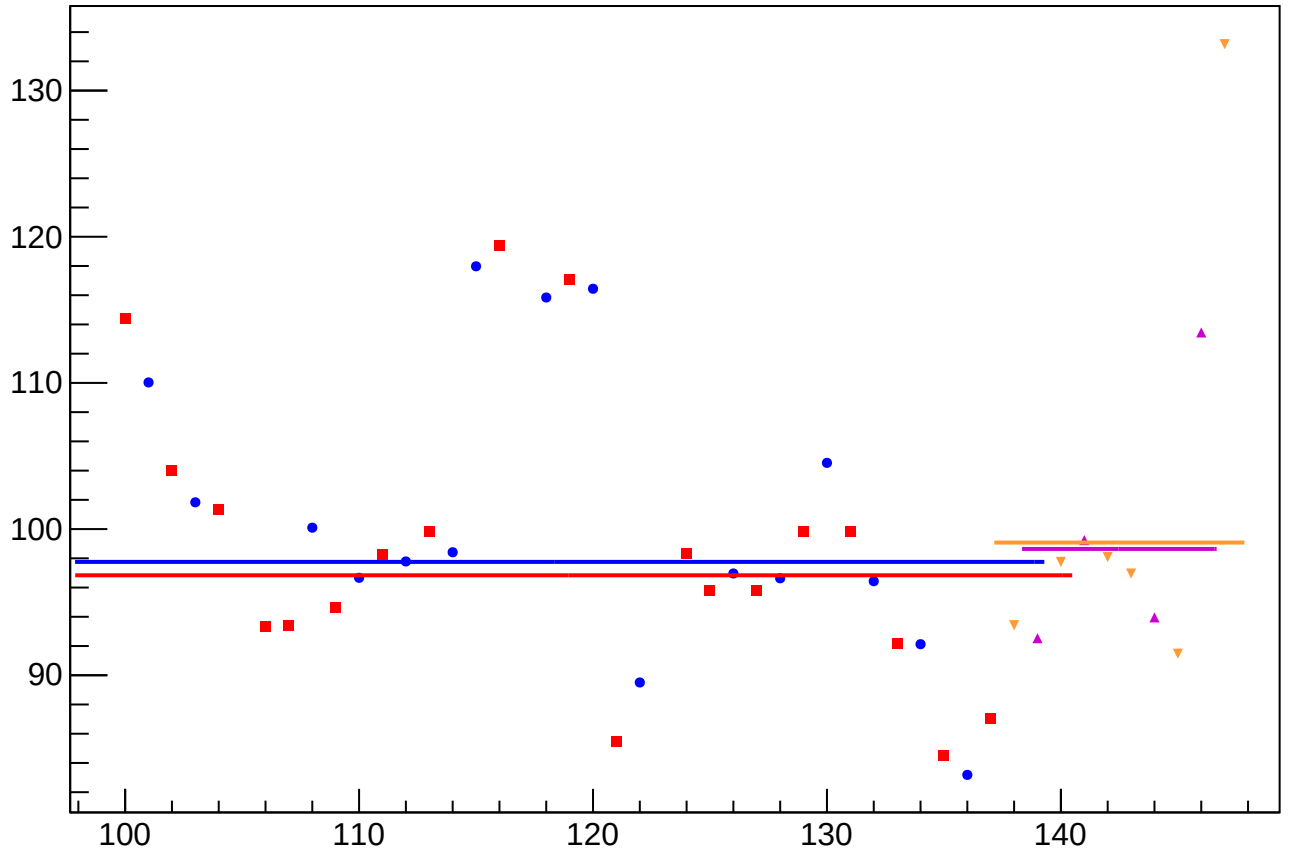
Left: -118.004+/-35.075 χ^2/NDF: 15.3/9

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -45.233+/-30.017 χ^2/NDF:26.3/19

Out: -51.939+/-28.303 χ^2/NDF:27.8/24

All: -48.783+/-20.593 χ^2/NDF: 54.1/44



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 99.080+/-0.033 χ^2/NDF:126286.4/5

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 98.642+/-0.037 χ^2/NDF:42283.9/3

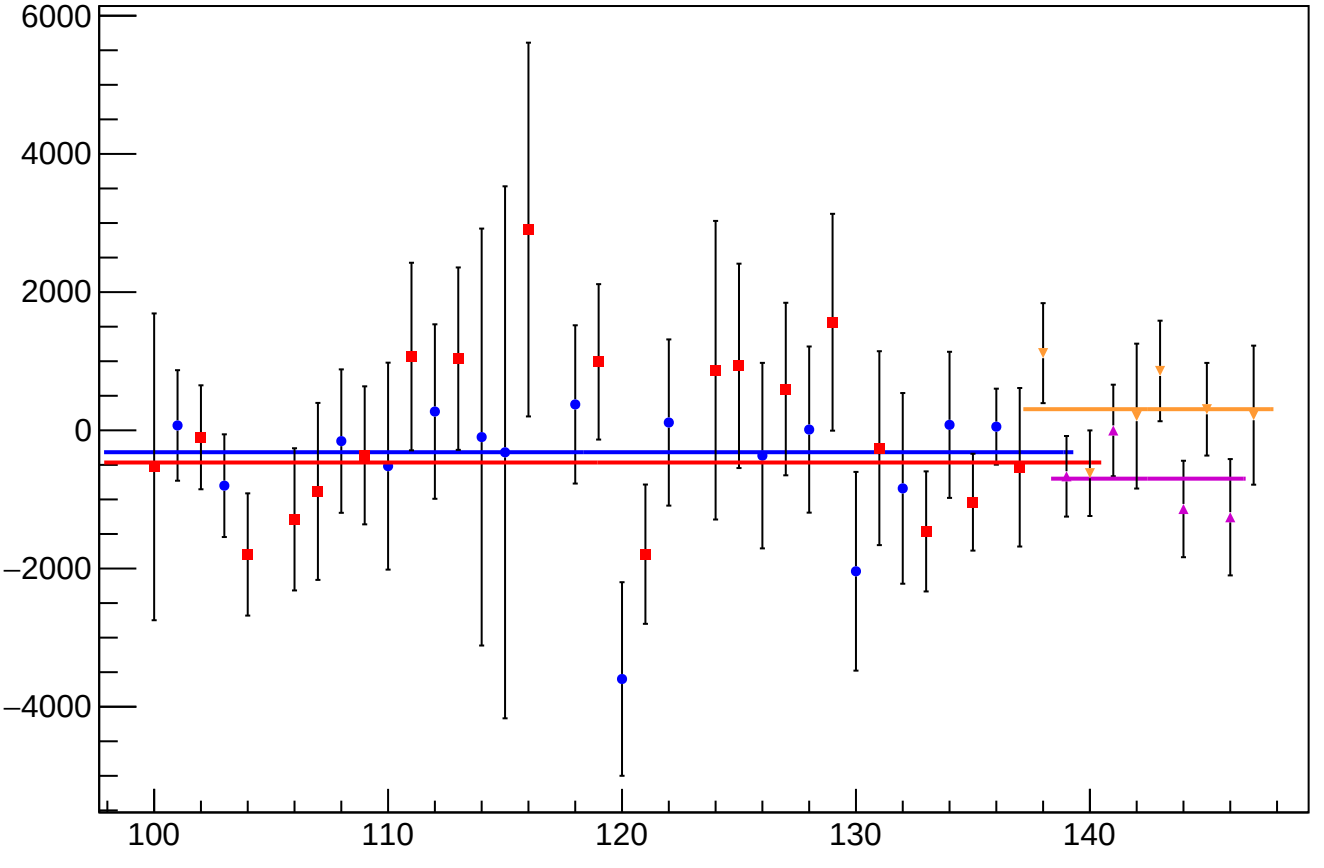
Left: 98.886+/-0.025 χ^2/NDF: 168647.1/9

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 98.043+/-0.021 χ^2/NDF:183320.6/19

Out: 97.653+/-0.020 χ^2/NDF:244356.9/24

All: 97.836+/-0.015 χ^2/NDF: 427856.4/44



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 306.081+/-308.188 χ^2/NDF:4.1/5

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -699.405+/-339.377 χ^2/NDF:1.9/3

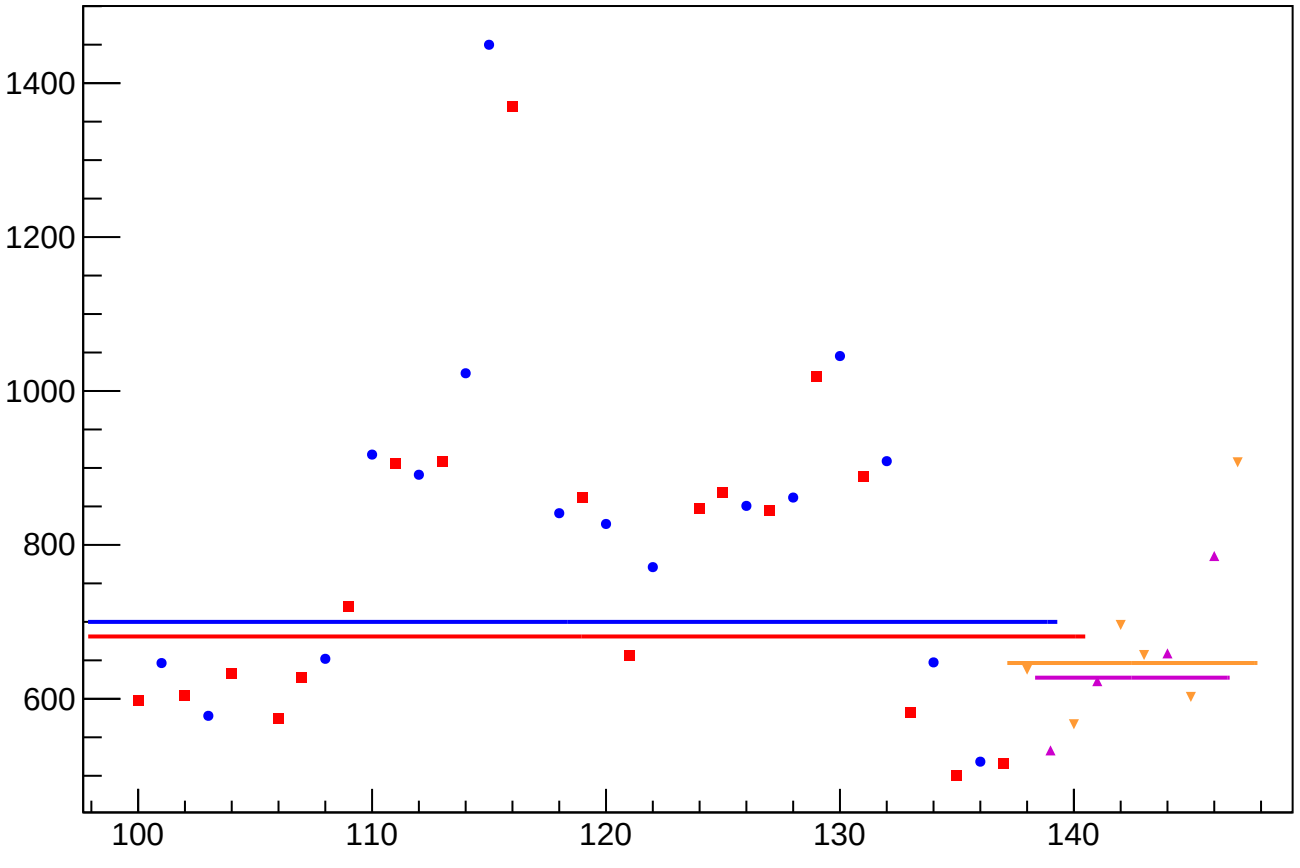
Left: -148.346+/-228.153 χ^2/NDF: 10.8/9

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -463.283+/-210.092 χ^2/NDF:11.9/19

Out: -149.582+/-197.216 χ^2/NDF:24.3/24

All: -296.525+/-143.790 χ^2/NDF: 37.3/44



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 646.550+/-0.218 χ^2/NDF:181157.8/5

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 627.485+/-0.240 χ^2/NDF:127207.2/3

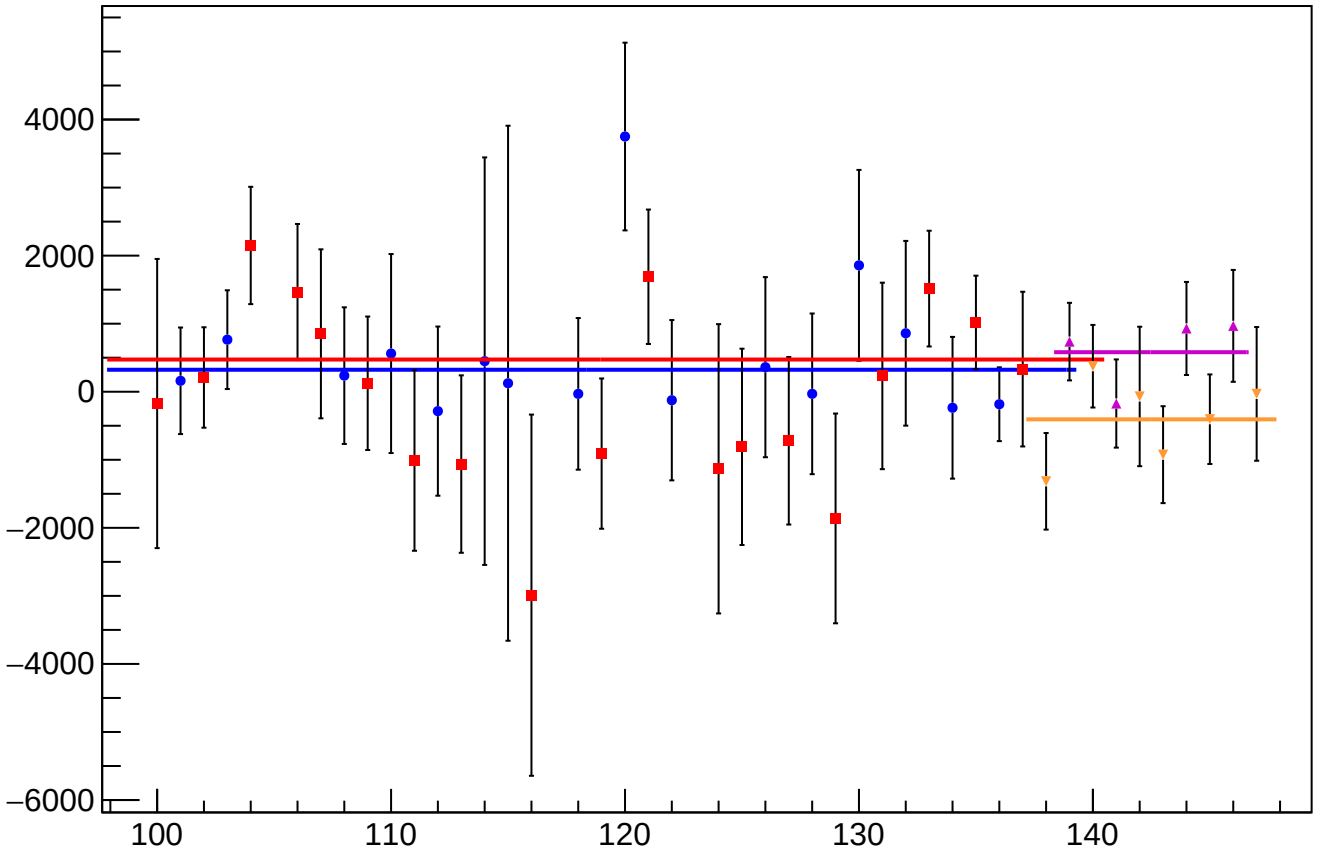
Left: 637.933+/-0.161 χ^2/NDF: 311824.1/9

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 672.193+/-0.149 χ^2/NDF:937149.3/19

Out: 666.901+/-0.139 χ^2/NDF:965328.3/24

All: 669.380+/-0.102 χ^2/NDF: 1903151.9/44



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -405.694+/-301.911 χ^2/NDF:4.1/5

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 581.152+/-331.921 χ^2/NDF:1.9/3

Left: 41.110+/-223.341 χ^2/NDF: 10.8/9

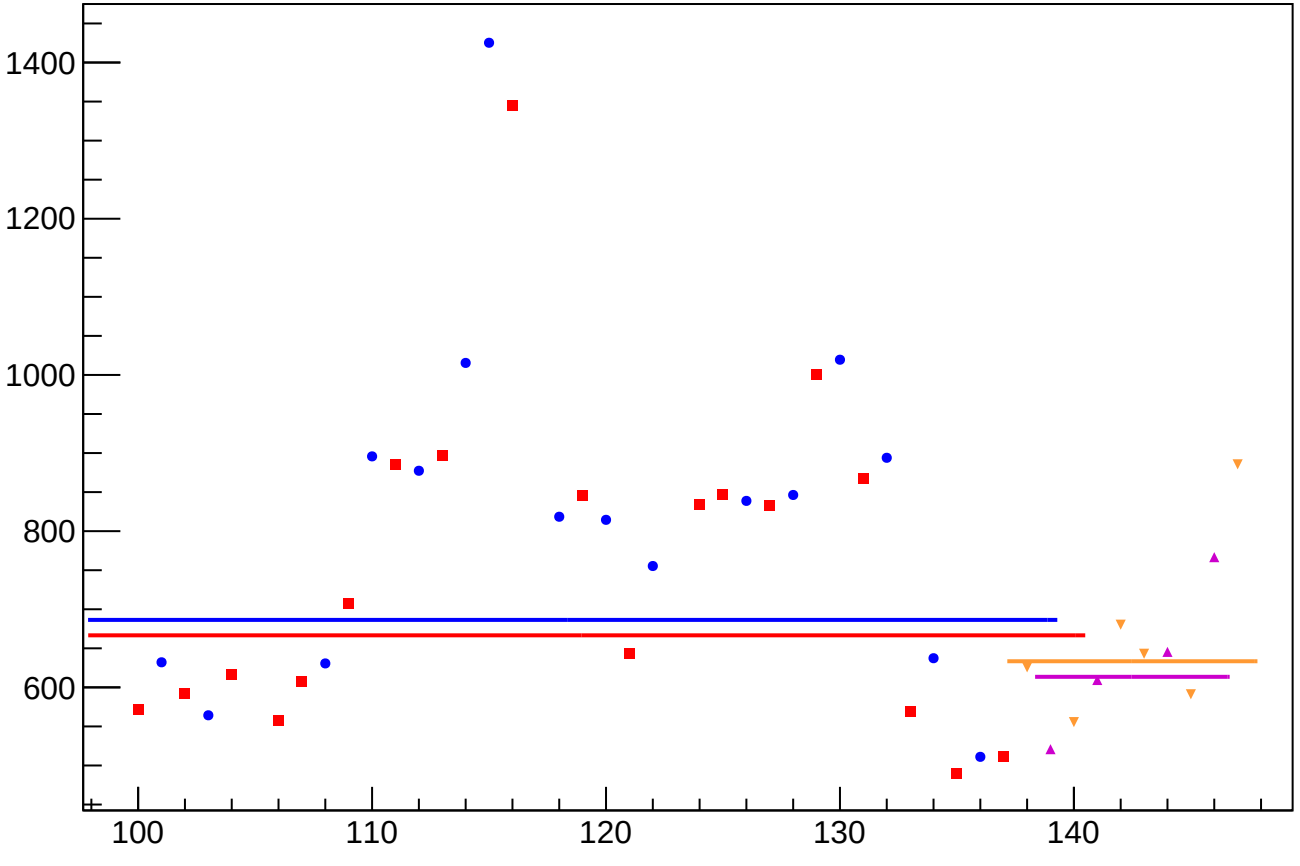
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 422.377+/-205.813 χ^2/NDF:12.0/19

Out: 113.461+/-193.160 χ^2/NDF:28.5/24

All: 258.132+/-140.845 χ^2/NDF: 41.7/44

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 633.446+/-0.213 χ^2/NDF:177707.8/5

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 613.522+/-0.235 χ^2/NDF:126724.8/3

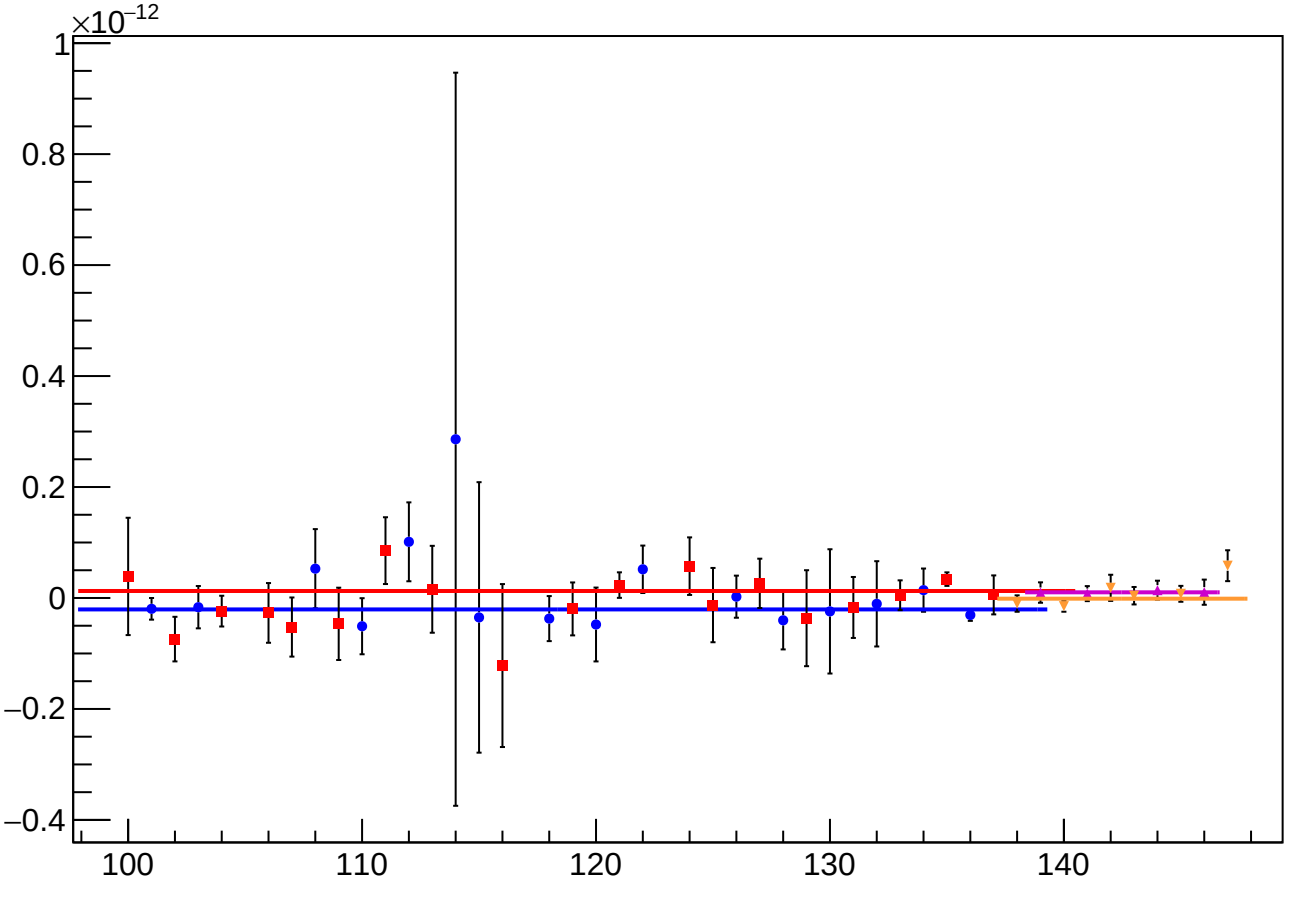
Left: 624.425+/-0.158 χ^2/NDF: 308376.1/9

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 658.376+/-0.146 χ^2/NDF:935516.3/19

Out: 653.049+/-0.137 χ^2/NDF:969017.1/24

All: 655.544+/-0.100 χ^2/NDF: 1905245.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.1/3

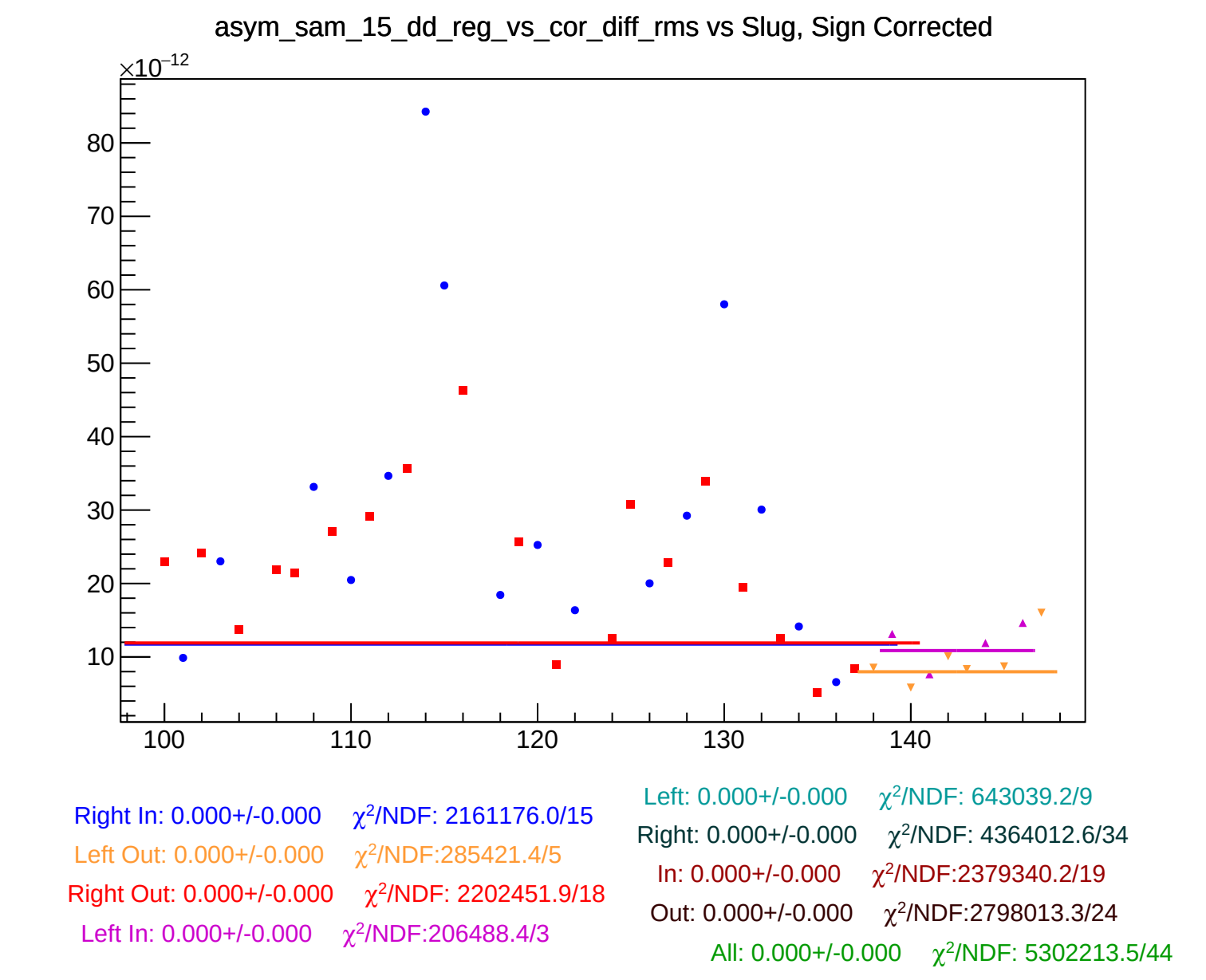
Left: 0.000+/-0.000 χ^2/NDF: 9.2/9

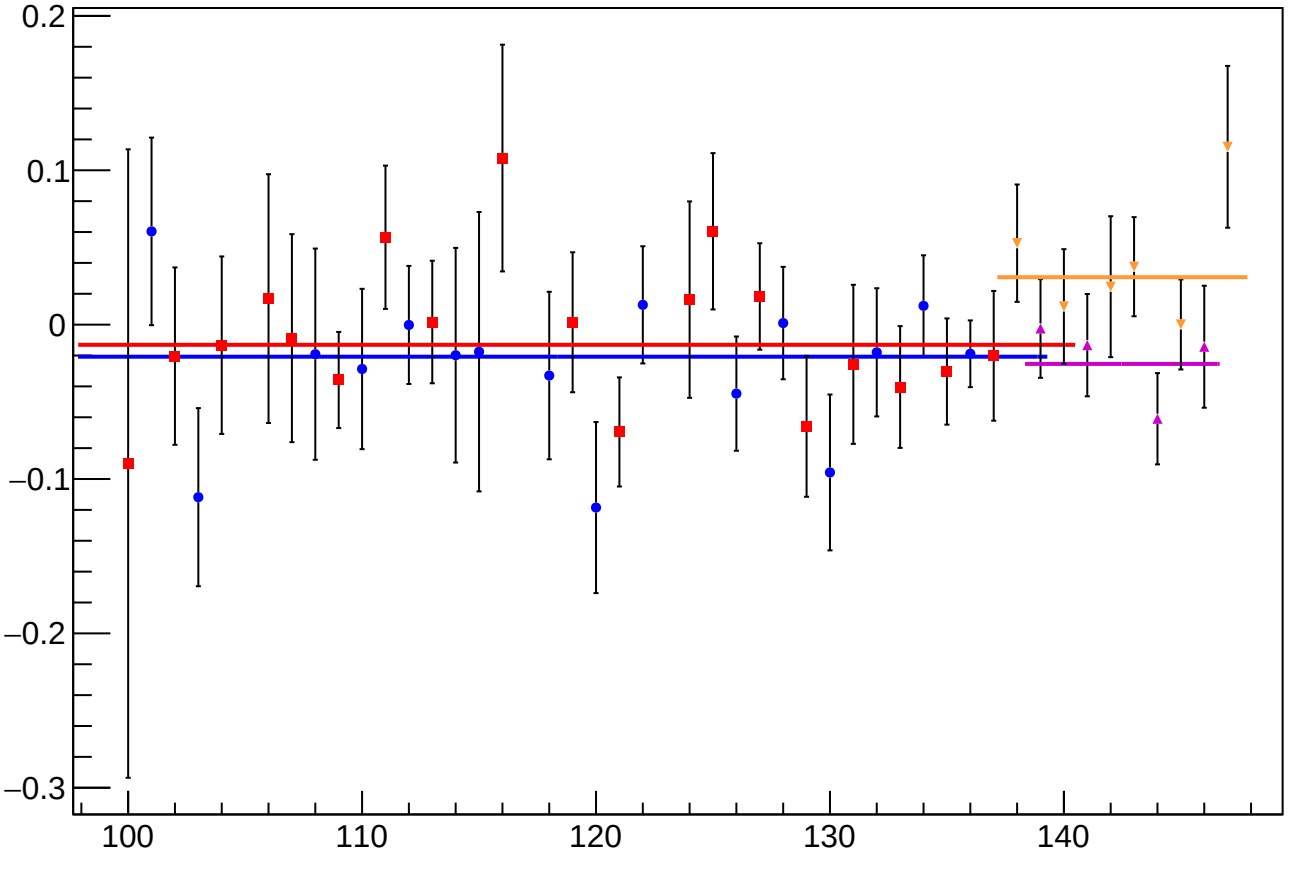
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.2/19

Out: 0.000+/-0.000 χ^2/NDF:26.9/24

All: -0.000+/-0.000 χ^2/NDF: 46.1/44


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
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:285421.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:206488.4/3
Left: 0.000+/-0.000 χ²/NDF: 643039.2/9
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2379340.2/19
Out: 0.000+/-0.000 χ²/NDF:2798013.3/24
All: 0.000+/-0.000 χ²/NDF: 5302213.5/44



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.016 χ^2/NDF:2.2/3

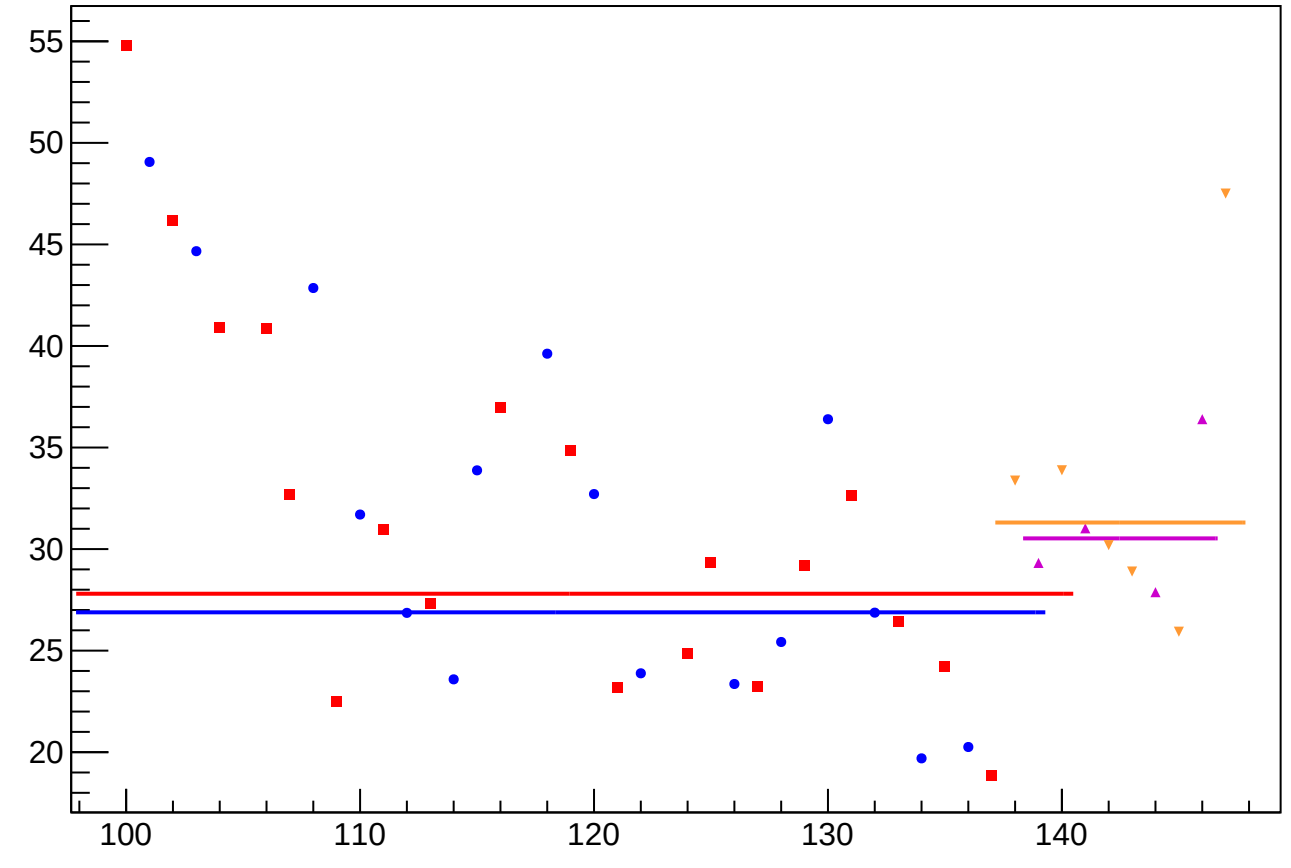
Left: 0.005+/-0.011 χ^2/NDF: 12.8/9

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:14.8/19

Out: 0.001+/-0.009 χ^2/NDF:23.9/24

All: -0.010+/-0.006 χ^2/NDF: 42.3/44



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.308+/-0.011 χ^2/NDF:286906.7/5

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.526+/-0.012 χ^2/NDF:63514.1/3

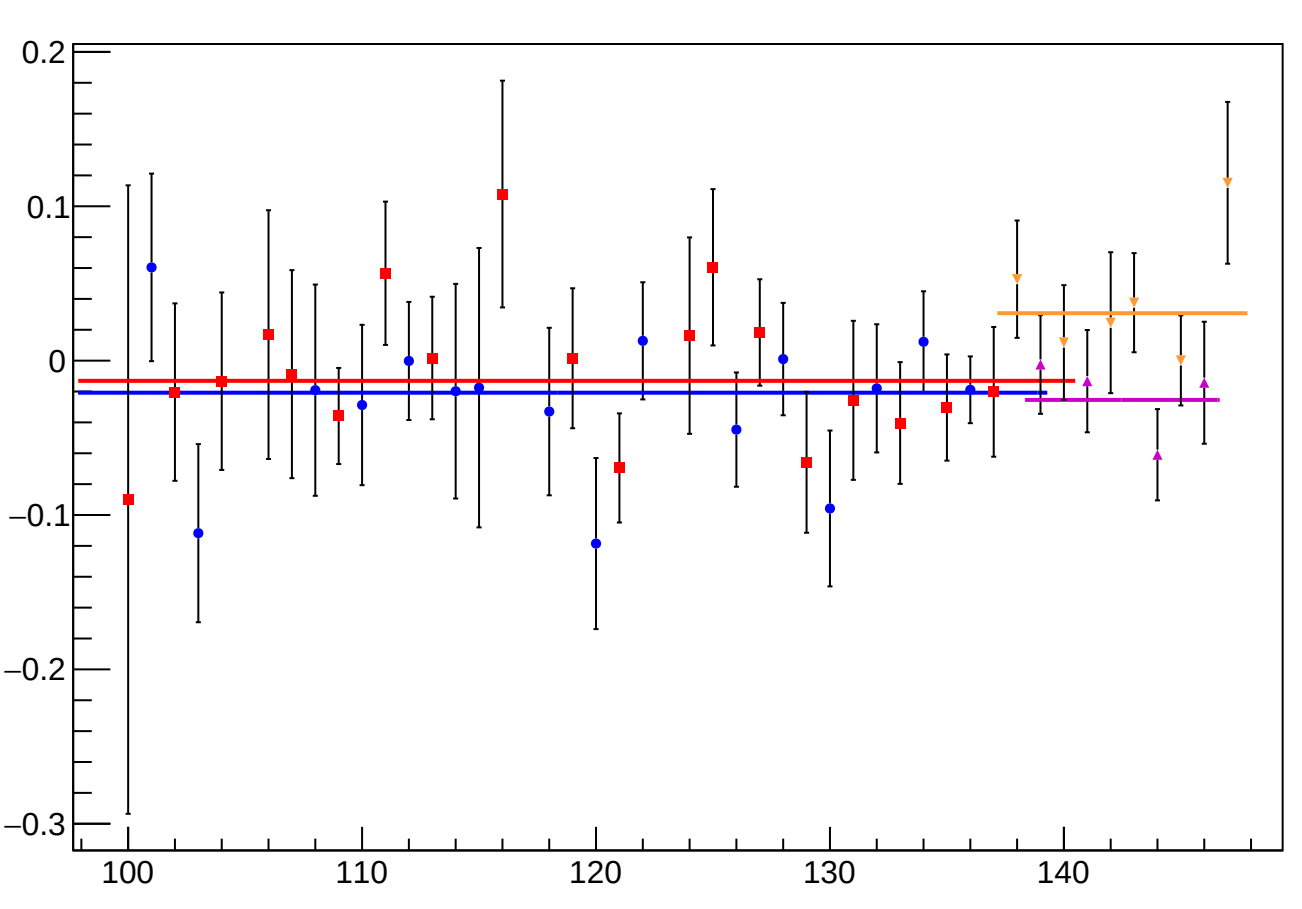
Left: 30.953+/-0.008 χ^2/NDF: 352868.4/9

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 27.937+/-0.006 χ^2/NDF:1253352.0/19

Out: 28.954+/-0.006 χ^2/NDF:1122739.7/24

All: 28.459+/-0.004 χ^2/NDF: 2389607.0/44



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.016 χ^2/NDF:2.2/3

Left: 0.005+/-0.011 χ^2/NDF: 12.8/9

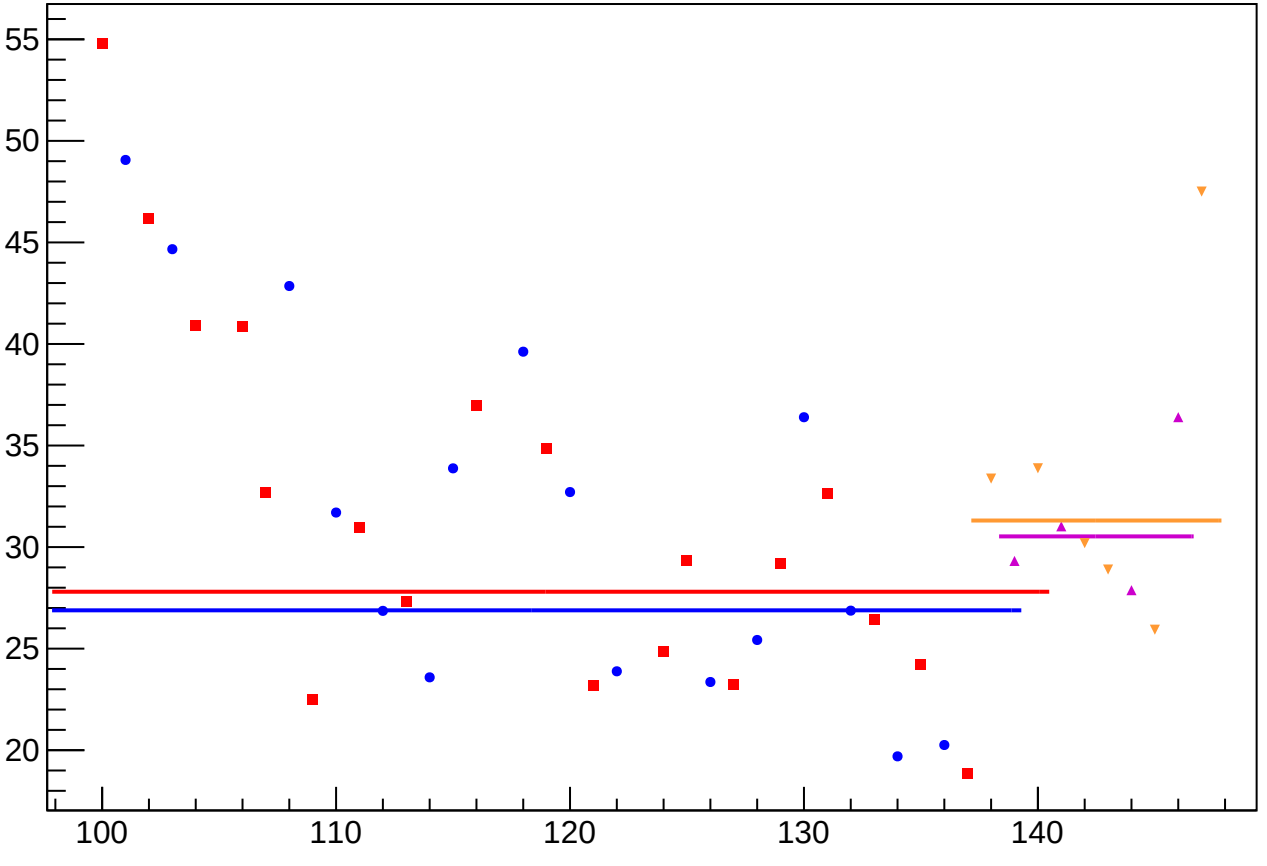
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:14.8/19

Out: 0.001+/-0.009 χ^2/NDF:23.9/24

All: -0.010+/-0.006 χ^2/NDF: 42.3/44

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: 31.308+/-0.011 χ^2/NDF:286906.7/5

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 30.526+/-0.012 χ^2/NDF:63514.1/3

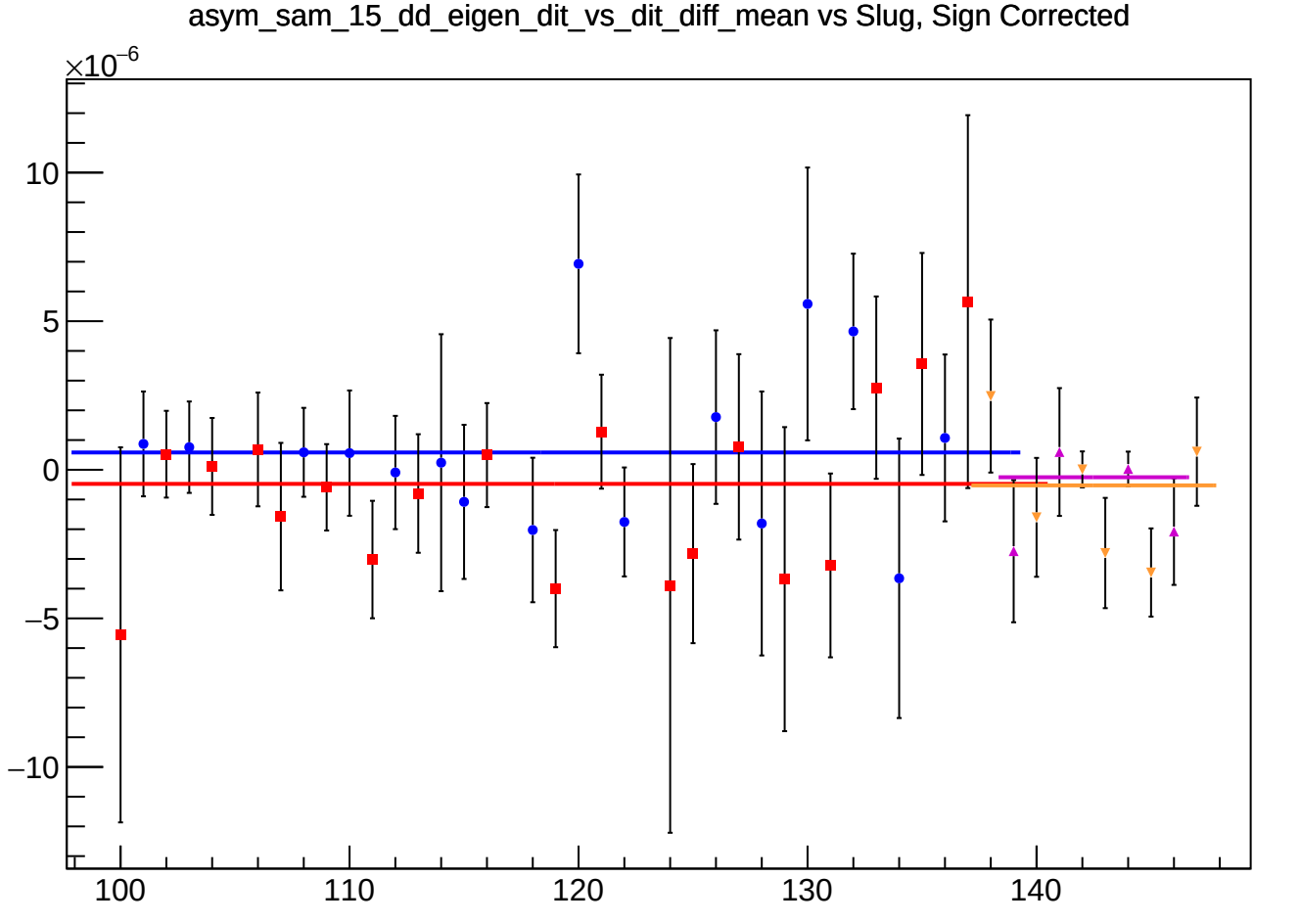
Left: 30.953+/-0.008 χ^2/NDF: 352868.4/9

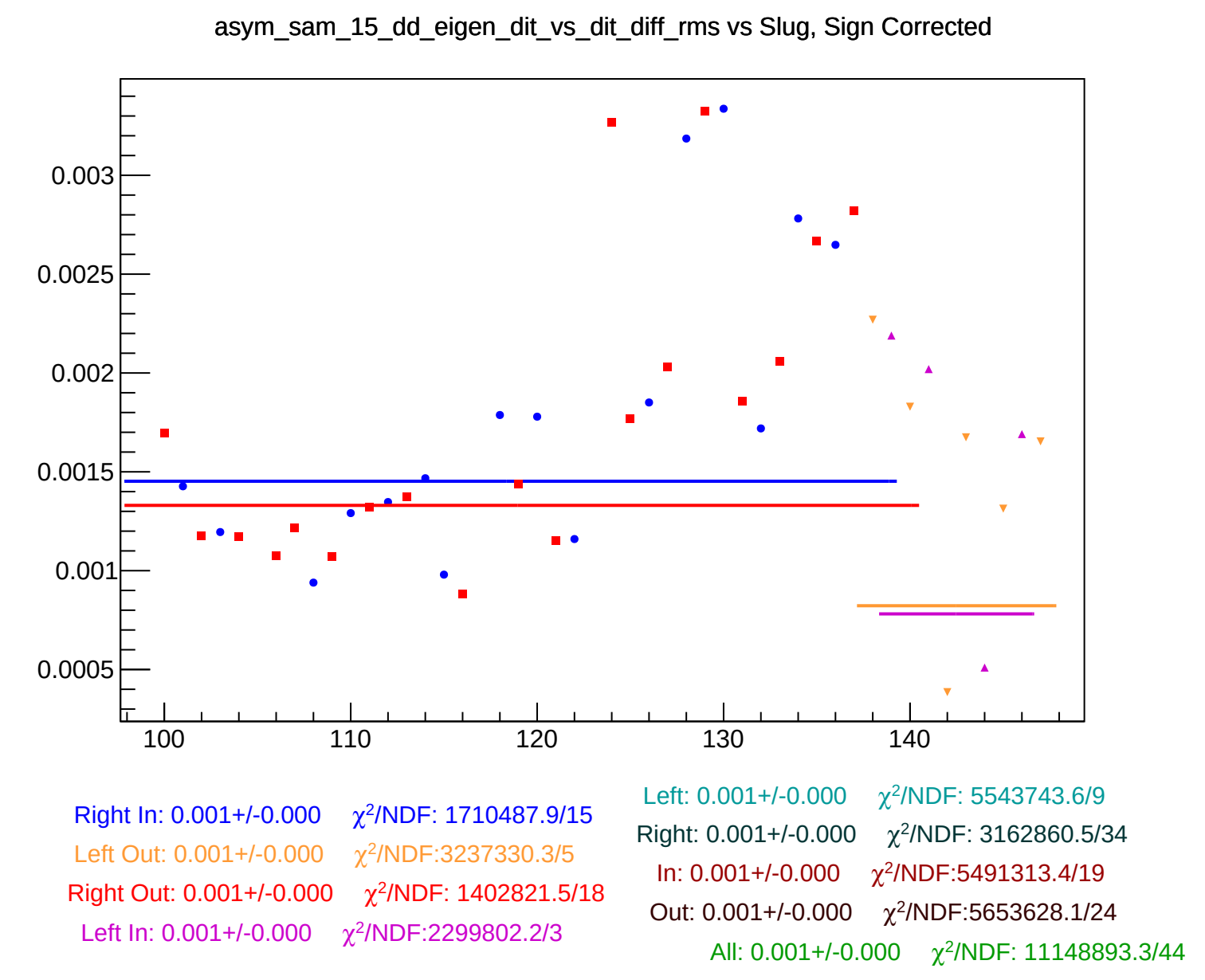
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

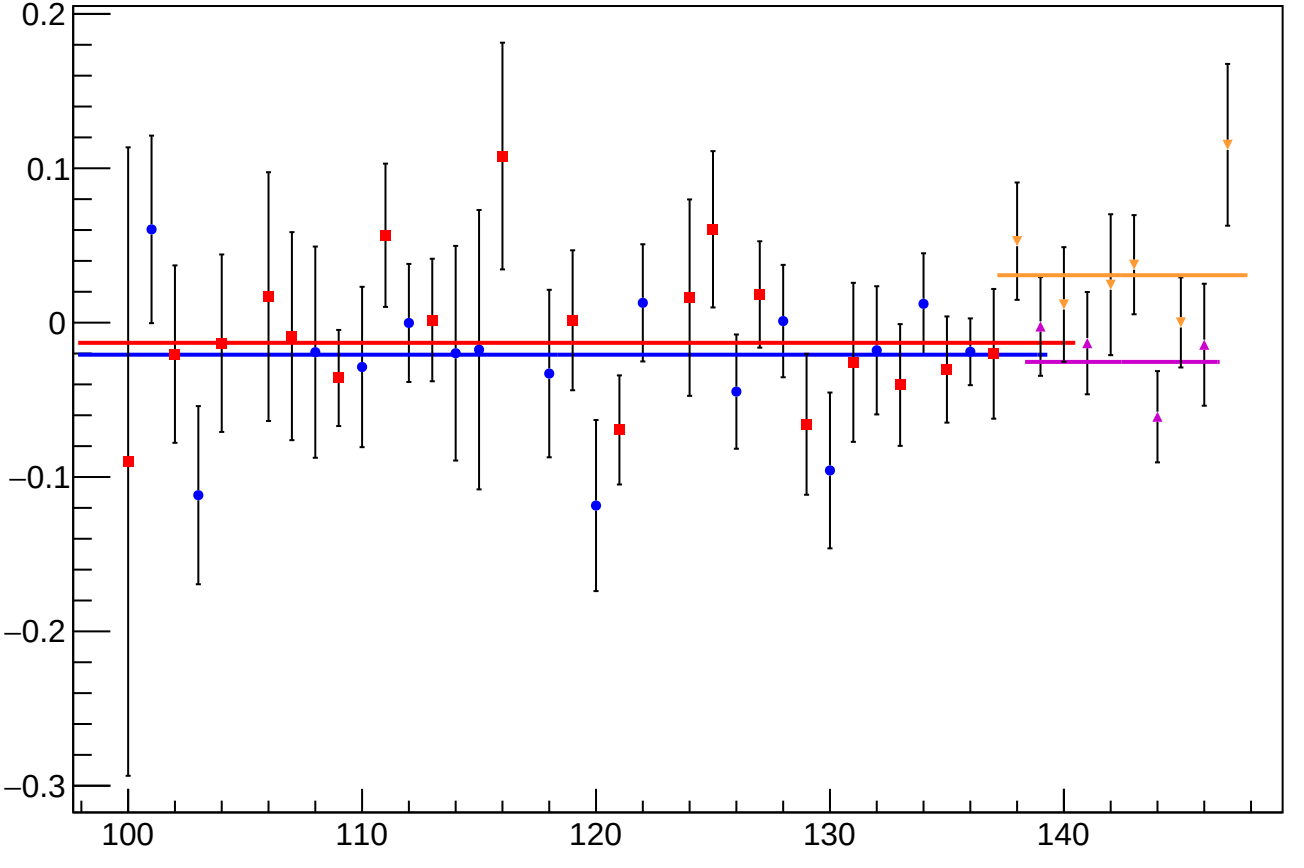
In: 27.937+/-0.006 χ^2/NDF:1253352.0/19

Out: 28.954+/-0.006 χ^2/NDF:1122739.7/24

All: 28.459+/-0.004 χ^2/NDF: 2389607.0/44


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−6
10
5
0
−5
−10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:8.2/5
Right Out: -0.000+/-0.000 χ²/NDF: 13.2/18
Left In: -0.000+/-0.000 χ²/NDF:2.5/3
Left: -0.000+/-0.000 χ²/NDF: 10.9/9
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: 0.000+/-0.000 χ²/NDF:16.4/19
Out: -0.000+/-0.000 χ²/NDF:21.4/24
All: -0.000+/-0.000 χ²/NDF: 39.2/44


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
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:3237330.3/5
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:2299802.2/3
Left: 0.001+/-0.000 χ²/NDF: 5543743.6/9
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:5491313.4/19
Out: 0.001+/-0.000 χ²/NDF:5653628.1/24
All: 0.001+/-0.000 χ²/NDF: 11148893.3/44



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.031+/-0.015 χ^2/NDF:4.4/5

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.016 χ^2/NDF:2.2/3

Left: 0.005+/-0.011 χ^2/NDF: 12.8/9

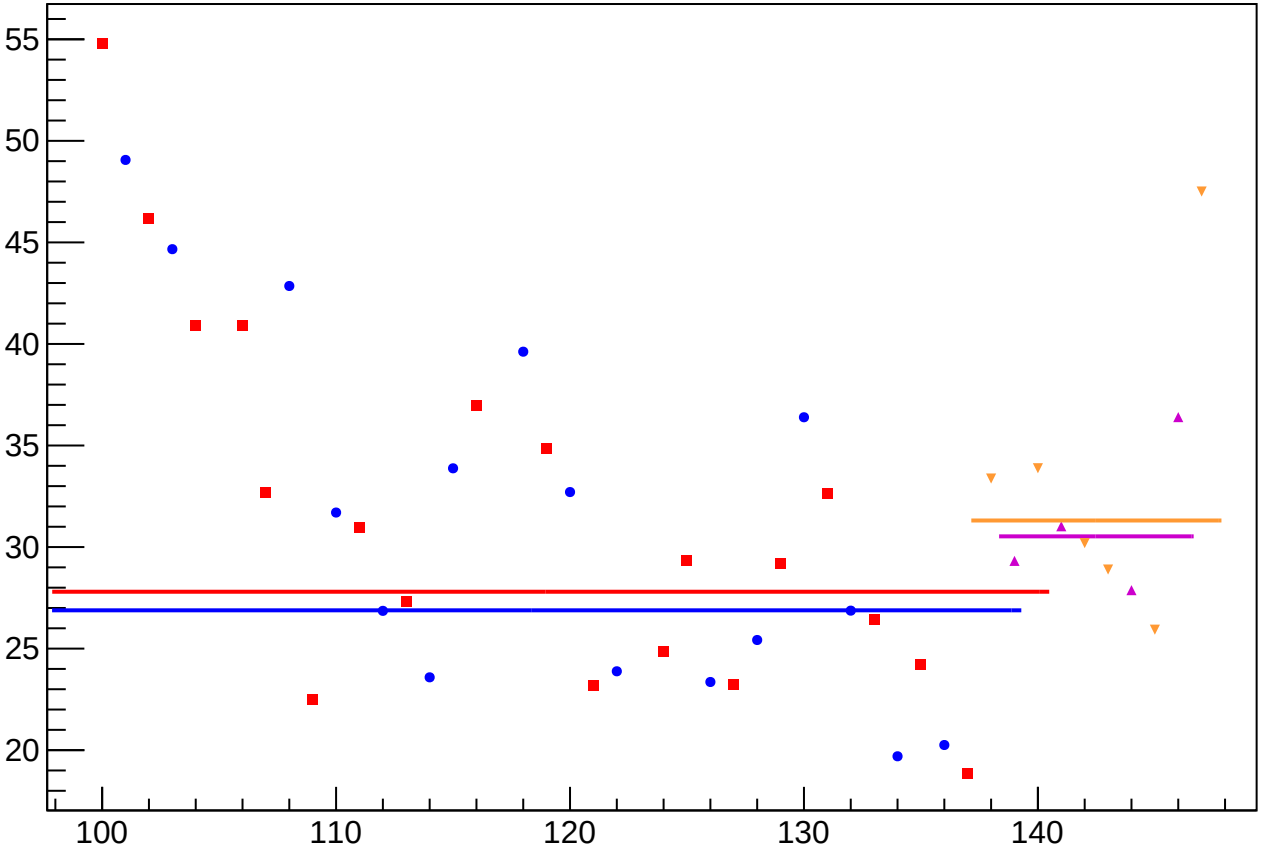
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:14.8/19

Out: 0.001+/-0.009 χ^2/NDF:23.9/24

All: -0.010+/-0.006 χ^2/NDF: 42.3/44

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: 31.308+/-0.011 χ^2/NDF:286951.5/5

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.527+/-0.012 χ^2/NDF:63524.1/3

Left: 30.953+/-0.008 χ^2/NDF: 352919.3/9

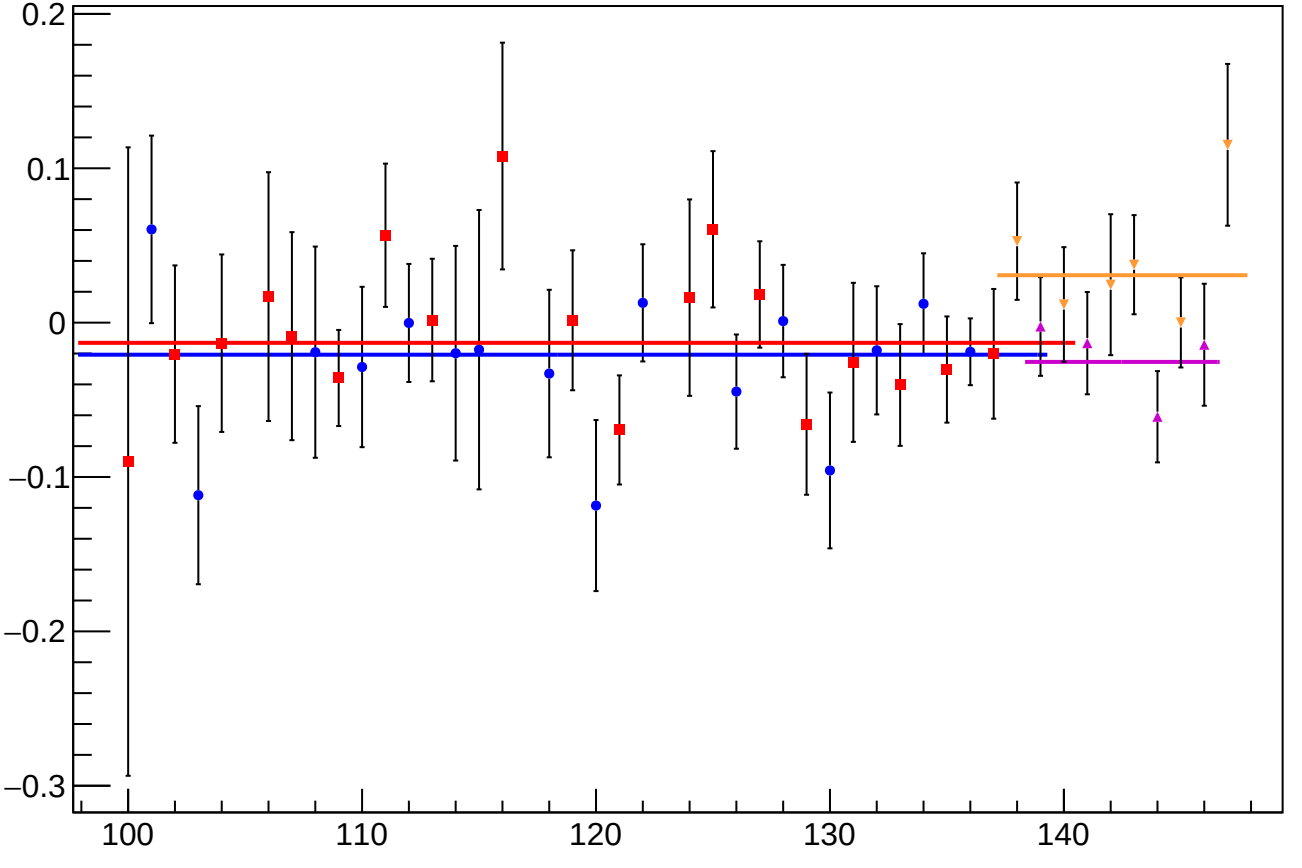
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.936+/-0.006 χ^2/NDF:1253430.5/19

Out: 28.953+/-0.006 χ^2/NDF:1122952.6/24

All: 28.458+/-0.004 χ^2/NDF: 2389887.1/44

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: 0.031+/-0.015 χ^2/NDF:4.4/5

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.016 χ^2/NDF:2.2/3

Left: 0.005+/-0.011 χ^2/NDF: 12.8/9

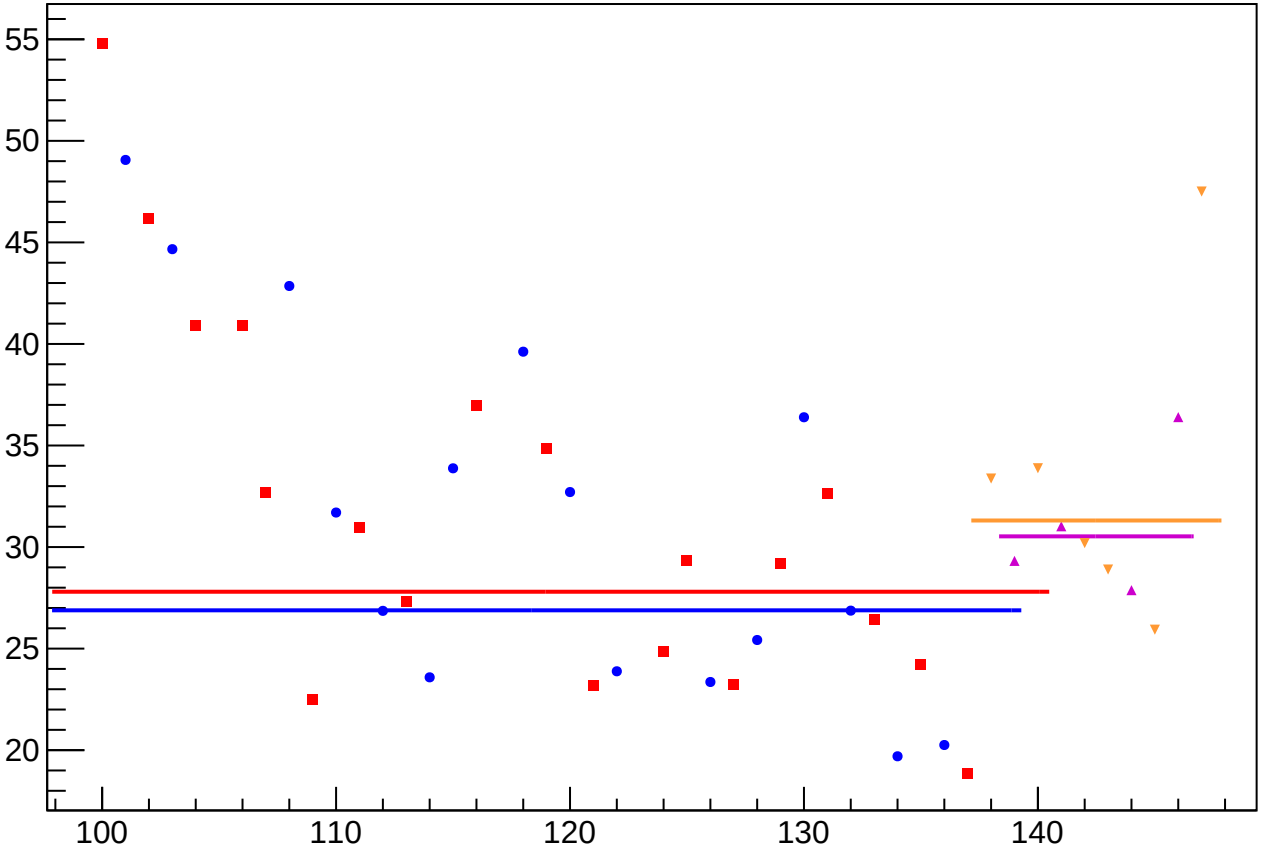
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:14.8/19

Out: 0.001+/-0.009 χ^2/NDF:23.9/24

All: -0.010+/-0.006 χ^2/NDF: 42.3/44

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: 31.308+/-0.011 χ^2/NDF:286951.5/5

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 30.527+/-0.012 χ^2/NDF:63524.1/3

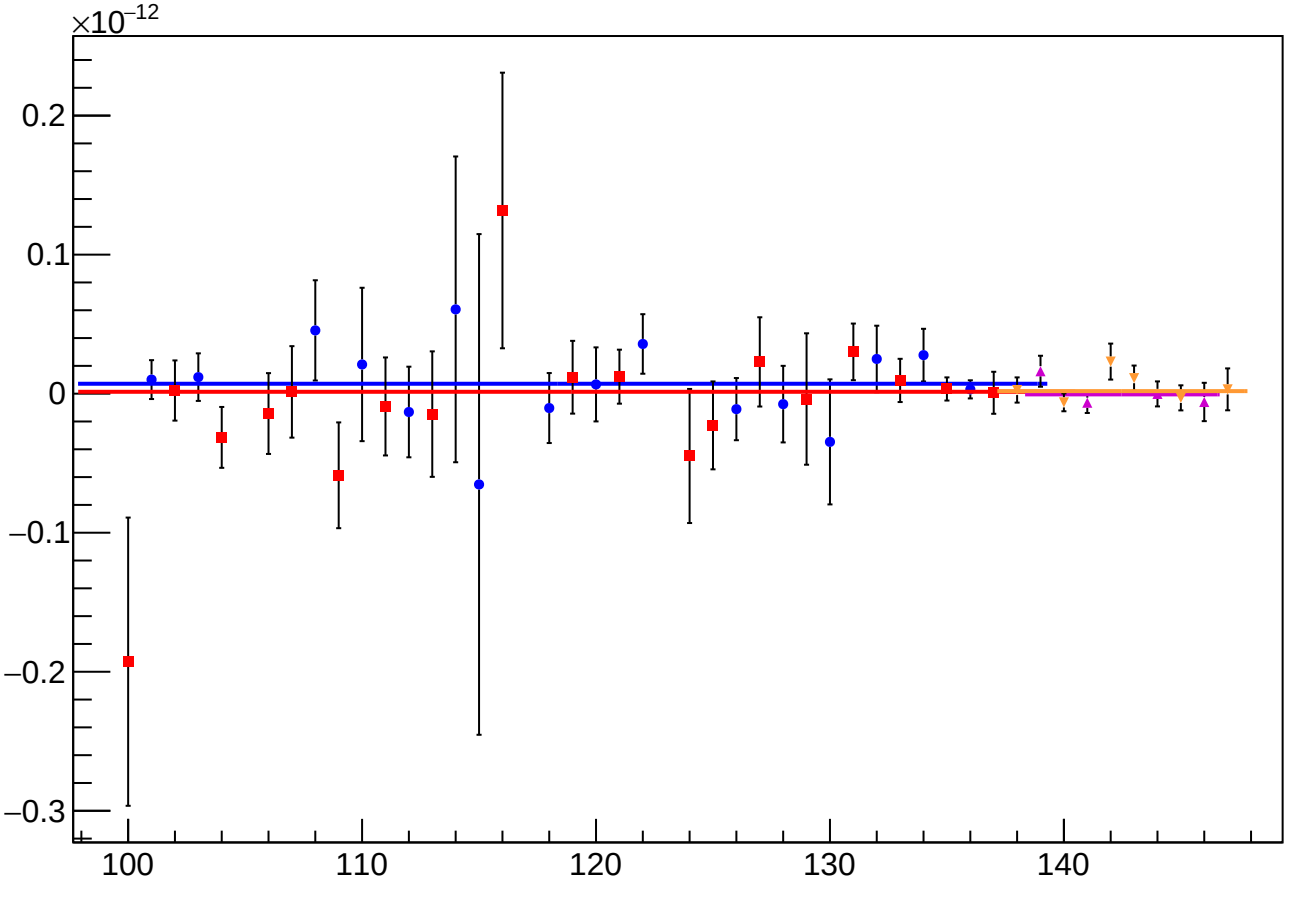
Left: 30.953+/-0.008 χ^2/NDF: 352919.3/9

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 27.936+/-0.006 χ^2/NDF:1253430.5/19

Out: 28.953+/-0.006 χ^2/NDF:1122952.6/24

All: 28.458+/-0.004 χ^2/NDF: 2389887.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/3

Left: 0.000+/-0.000 χ^2/NDF: 8.8/9

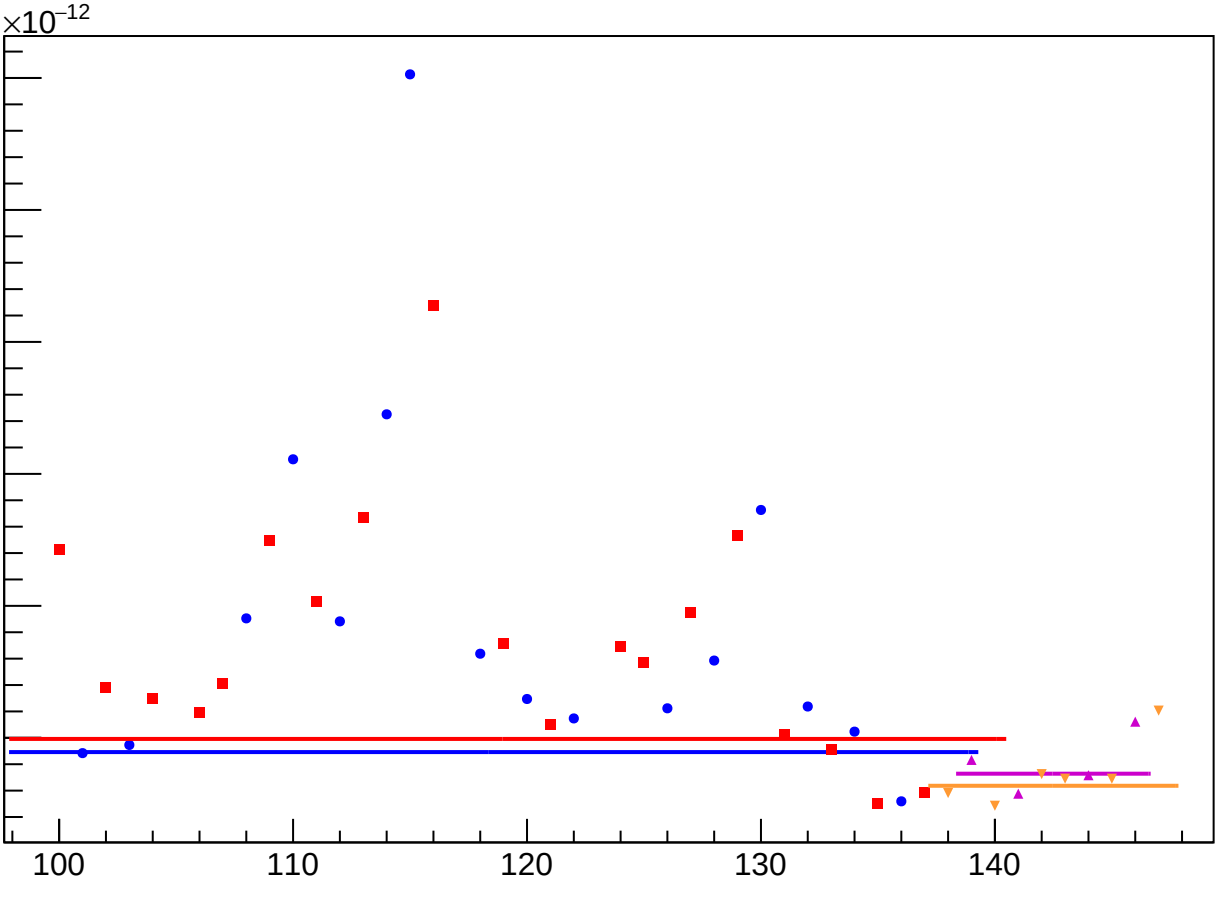
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:12.7/19

Out: 0.000+/-0.000 χ^2/NDF:20.9/24

All: 0.000+/-0.000 χ^2/NDF: 33.8/44

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:427746.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:265446.4/3

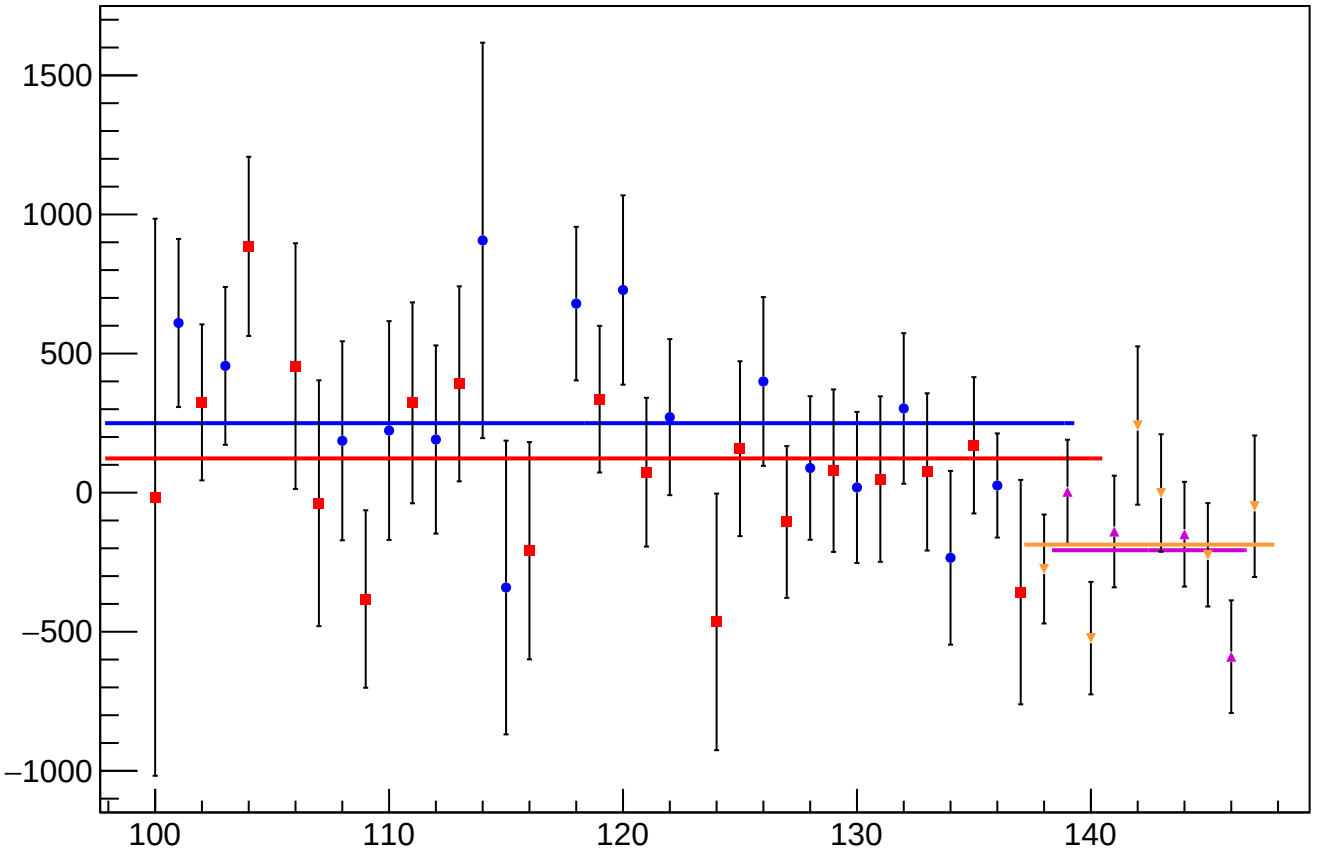
Left: 0.000+/-0.000 χ^2/NDF: 738780.1/9

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:2790967.7/19

Out: 0.000+/-0.000 χ^2/NDF:3752023.1/24

All: 0.000+/-0.000 χ^2/NDF: 6565774.4/44



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -186.743+/-87.794 χ^2/NDF:6.3/5

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -206.970+/-97.094 χ^2/NDF:5.0/3

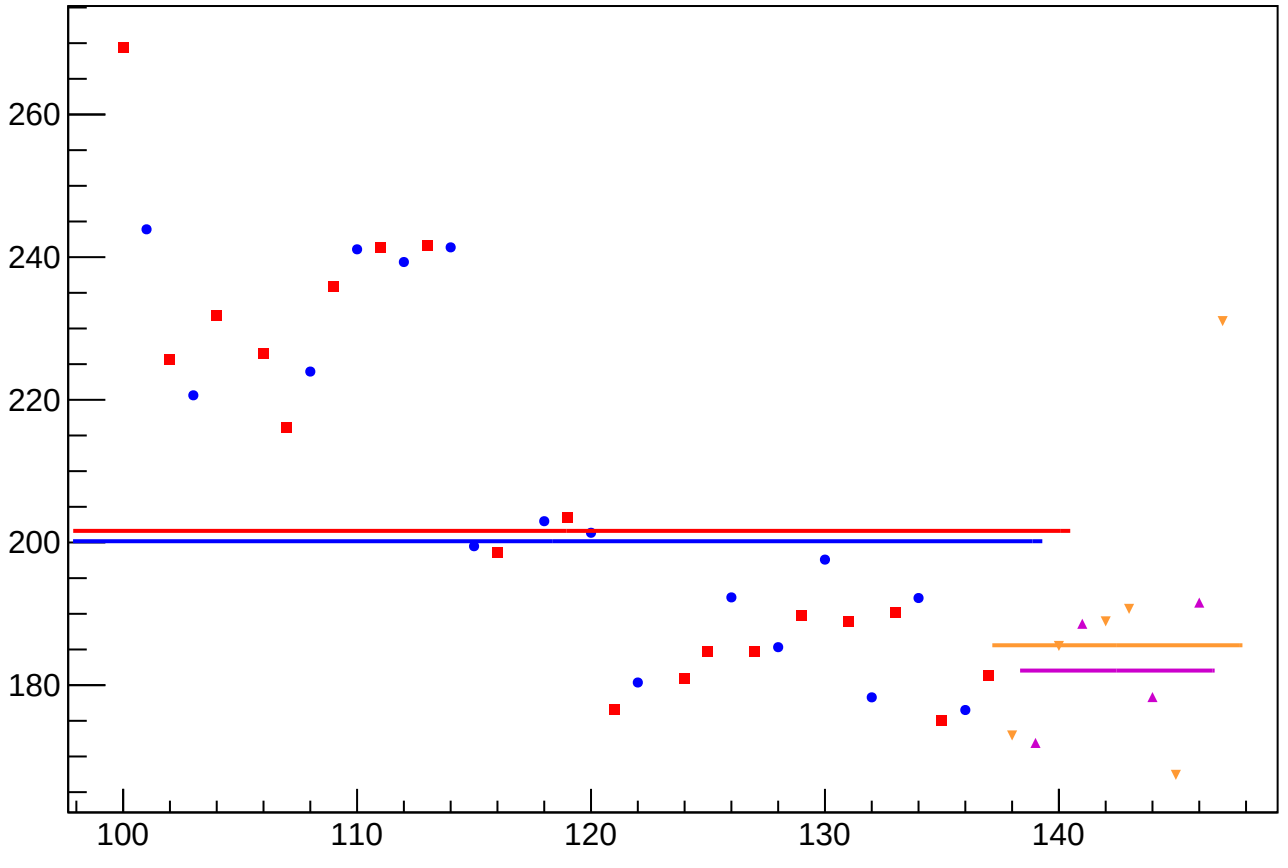
Left: -195.841+/-65.120 χ^2/NDF: 11.4/9

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: 79.432+/-59.294 χ^2/NDF:32.7/19

Out: -6.409+/-56.747 χ^2/NDF:29.1/24

All: 34.628+/-40.997 χ^2/NDF: 62.9/44



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 185.591+/-0.062 χ^2/NDF:92742.9/5

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

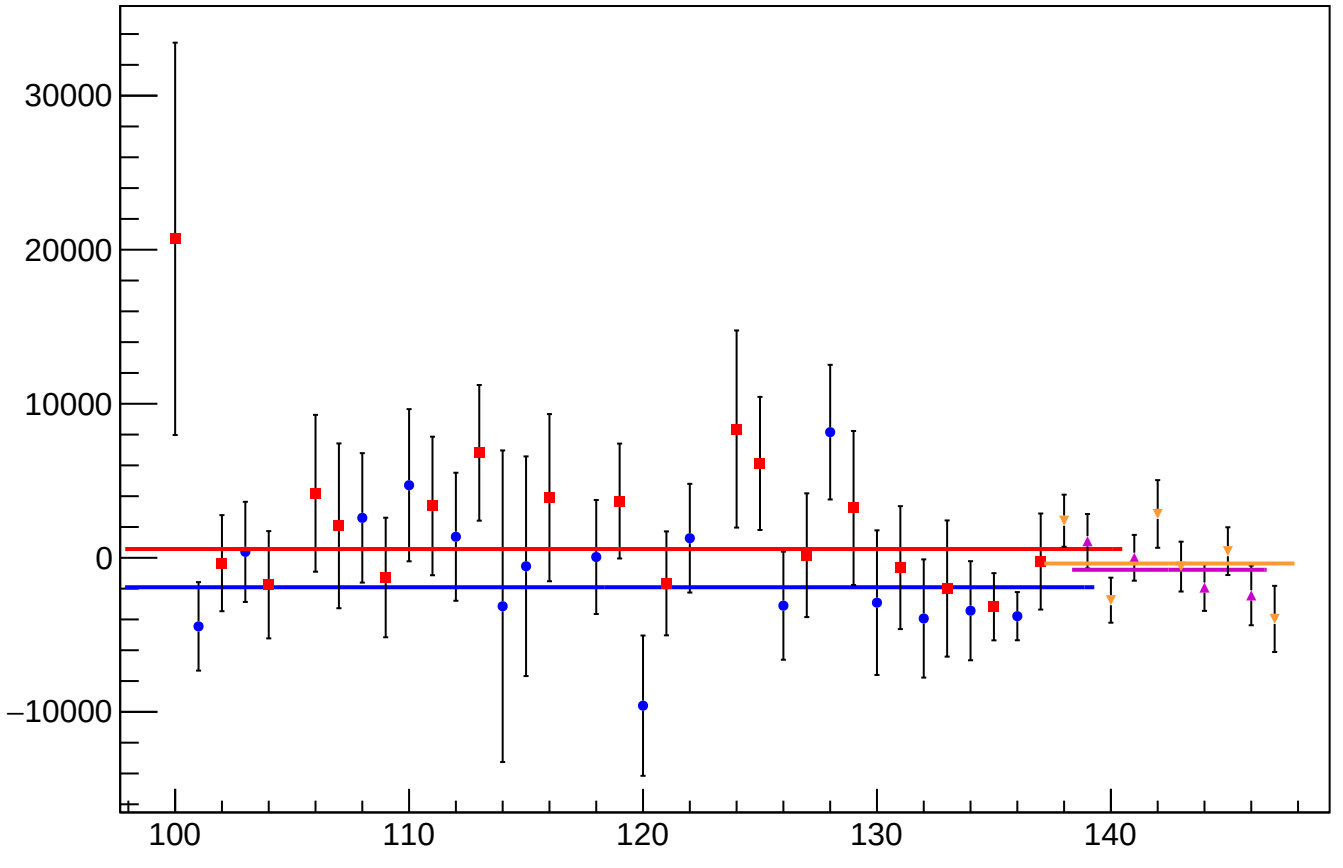
Left: 183.995+/-0.046 χ^2/NDF: 107446.7/9

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 193.415+/-0.042 χ^2/NDF:237978.3/19

Out: 194.927+/-0.040 χ^2/NDF:328840.3/24

All: 194.204+/-0.029 χ^2/NDF: 567498.1/44



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -369.682+/-699.920 χ^2/NDF:10.6/5

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -776.676+/-823.631 χ^2/NDF:2.7/3

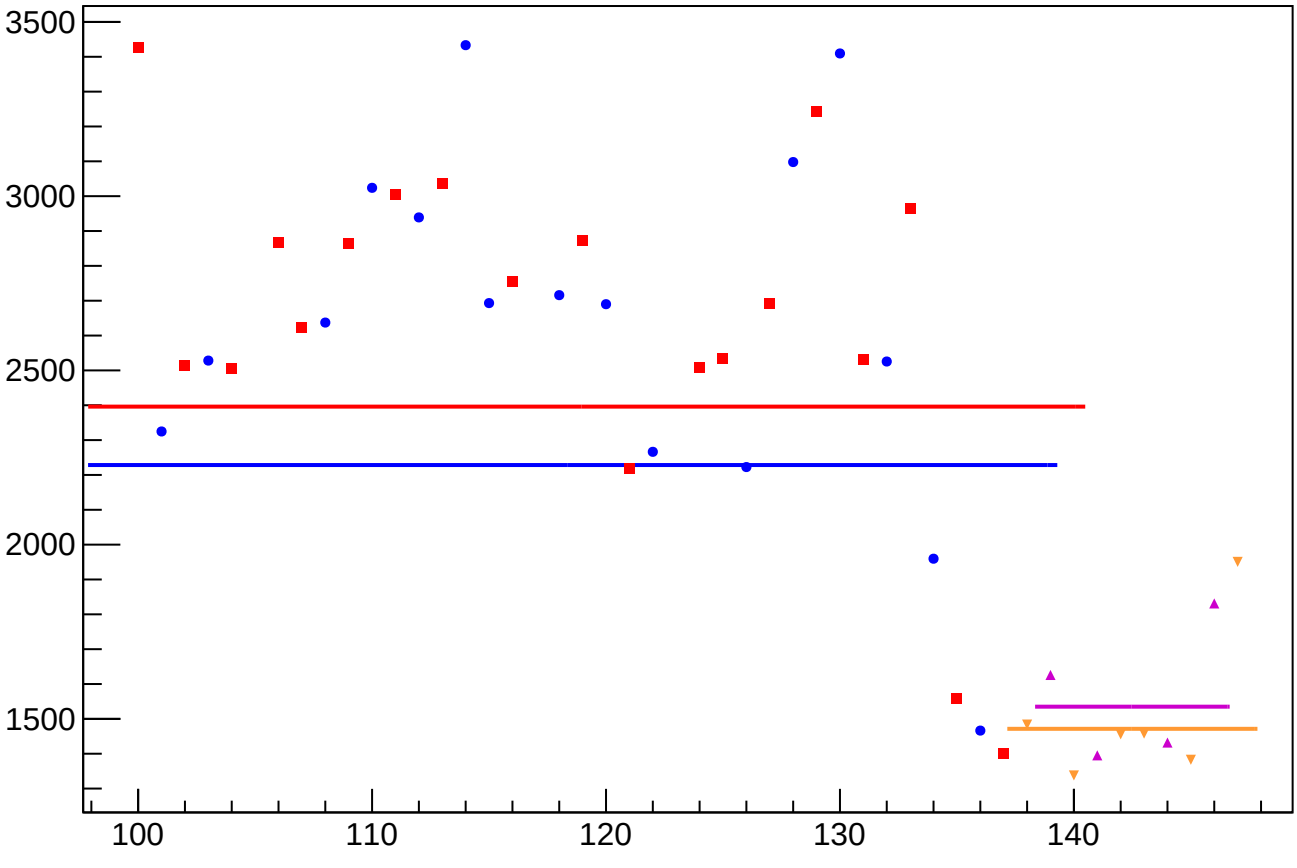
Left: -540.348+/-533.350 χ^2/NDF: 13.4/9

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -1319.635+/-594.535 χ^2/NDF:19.9/19

Out: -15.409+/-552.612 χ^2/NDF:25.9/24

All: -619.922+/-404.766 χ^2/NDF: 48.3/44



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1471.452+/-0.495 χ^2/NDF:123331.9/5

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1535.008+/-0.582 χ^2/NDF:78932.7/3

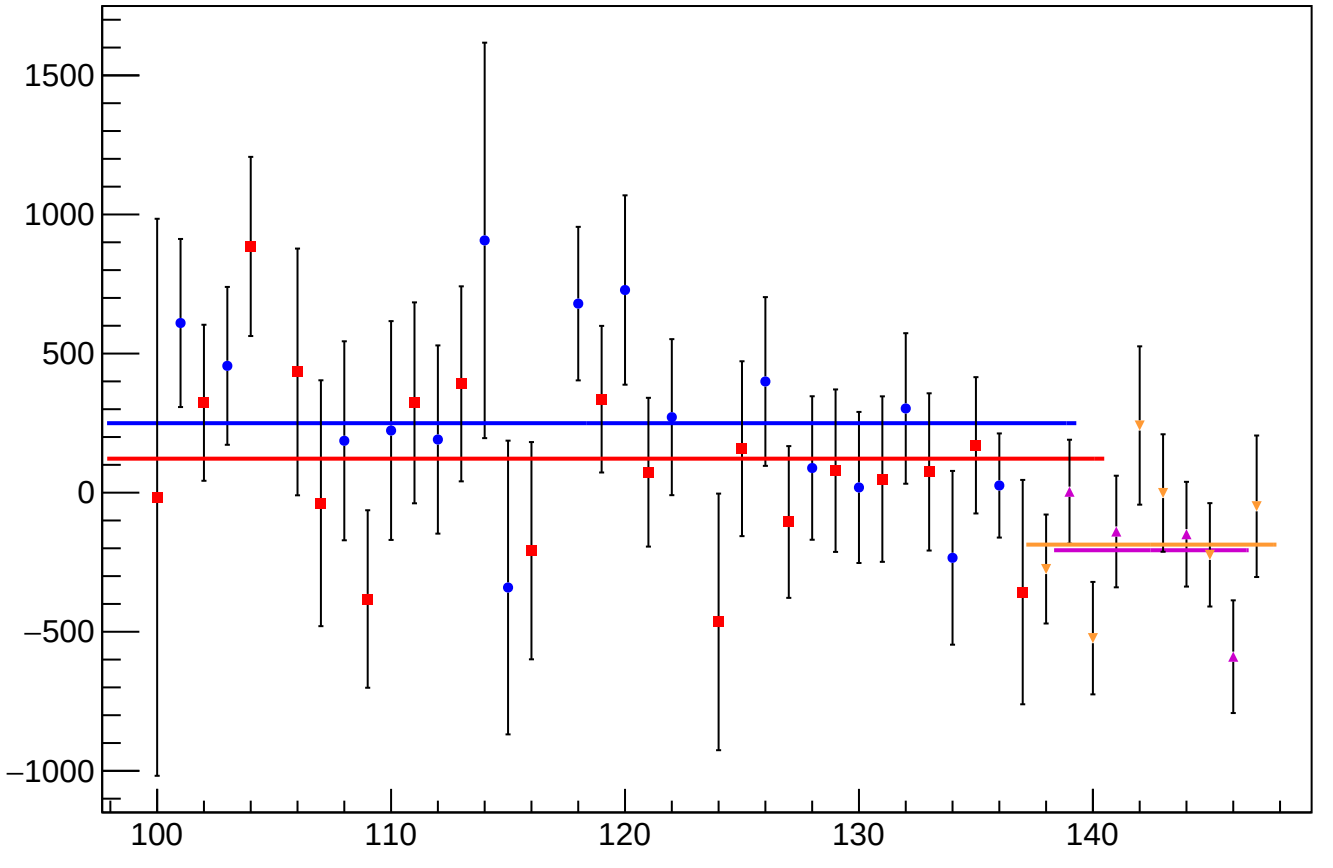
Left: 1498.103+/-0.377 χ^2/NDF: 209179.6/9

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1867.115+/-0.420 χ^2/NDF:1705543.4/19

Out: 1819.699+/-0.391 χ^2/NDF:2237350.9/24

All: 1841.676+/-0.286 χ^2/NDF: 3949719.2/44



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -186.752+/-87.794 χ^2/NDF:6.3/5

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -206.969+/-97.094 χ^2/NDF:5.0/3

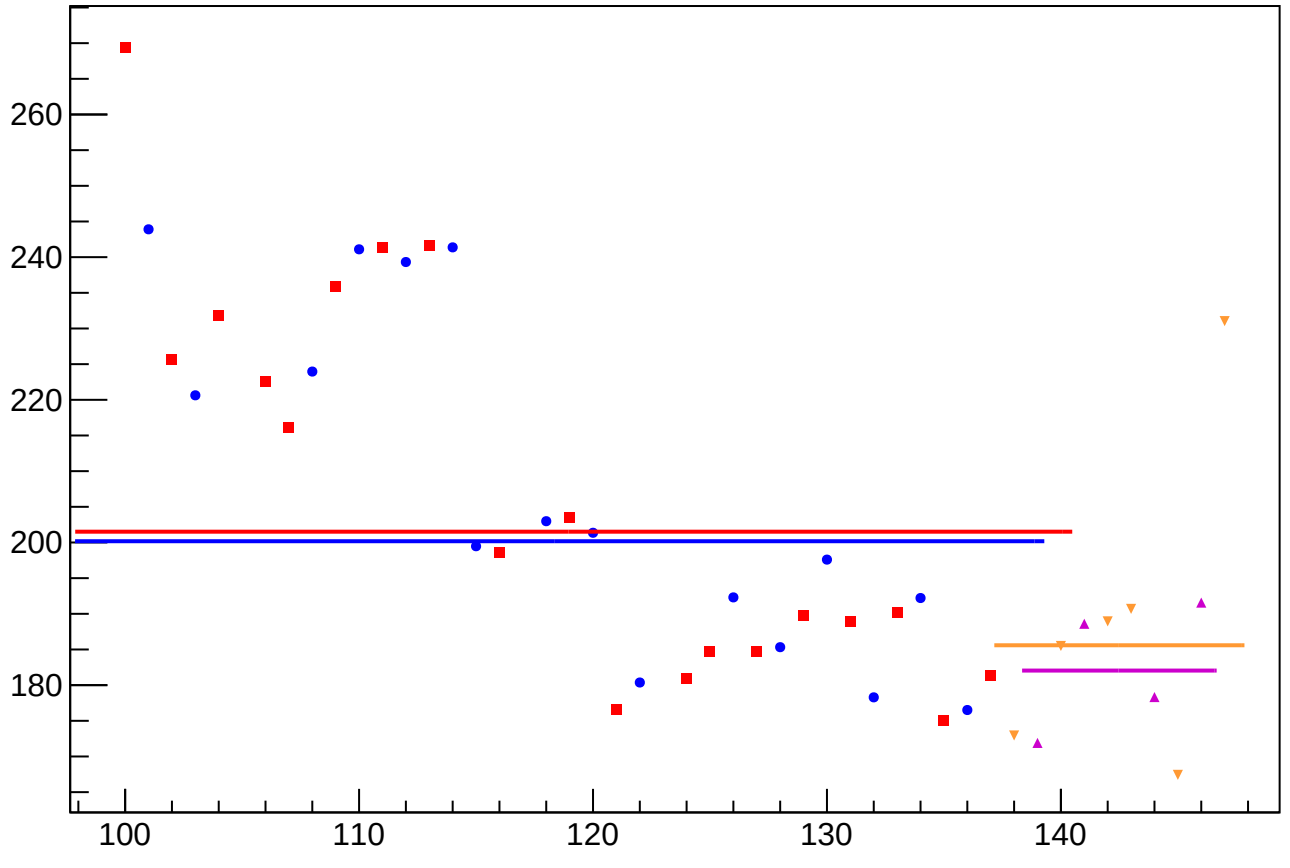
Left: -195.846+/-65.120 χ^2/NDF: 11.4/9

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 79.434+/-59.294 χ^2/NDF:32.7/19

Out: -6.890+/-56.751 χ^2/NDF:29.0/24

All: 34.382+/-40.998 χ^2/NDF: 62.8/44



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 185.591+/-0.062 χ^2/NDF:92742.9/5

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

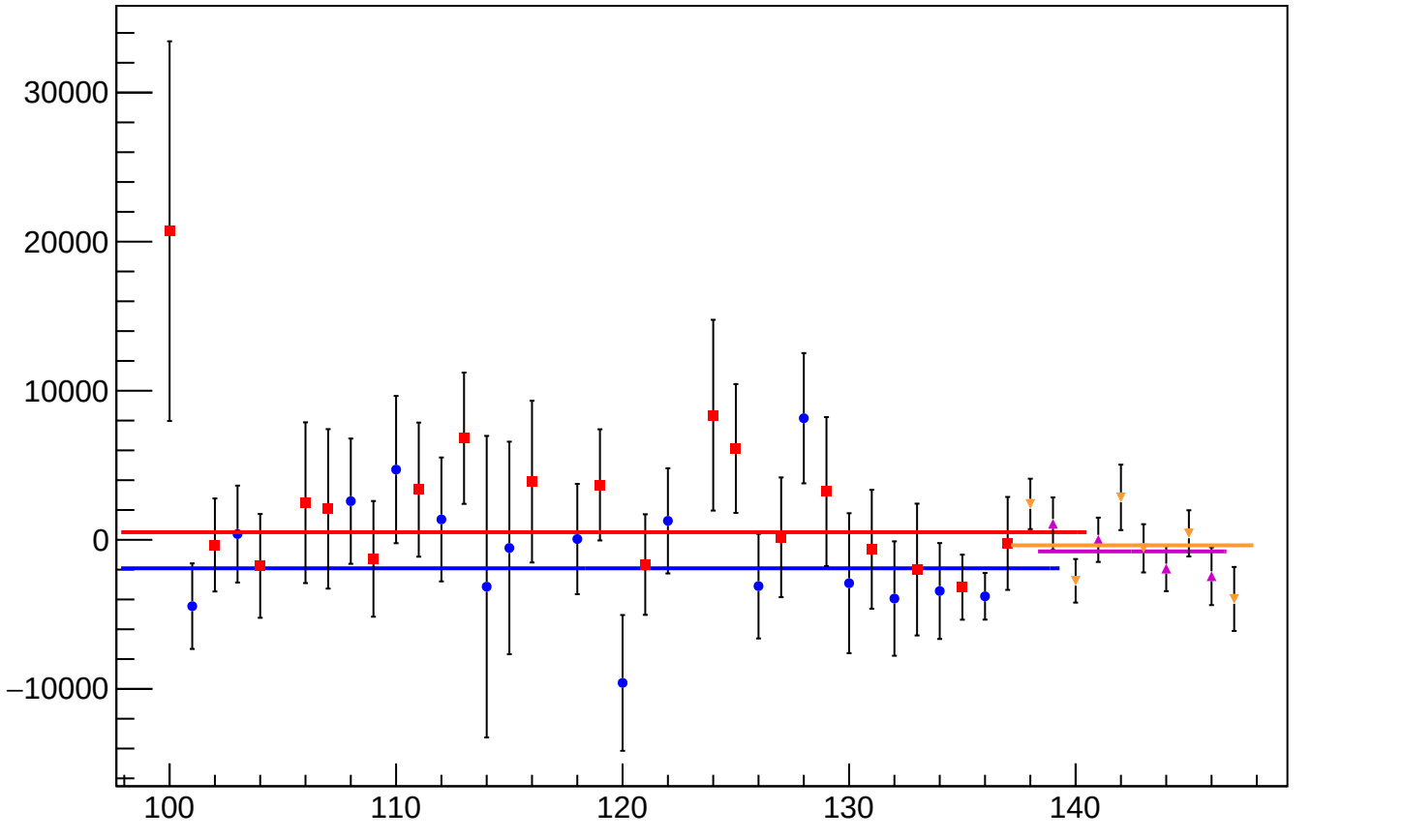
Left: 183.995+/-0.046 χ^2/NDF: 107446.7/9

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 193.415+/-0.042 χ^2/NDF:237978.7/19

Out: 194.861+/-0.040 χ^2/NDF:326476.9/24

All: 194.169+/-0.029 χ^2/NDF: 565076.4/44



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -369.692+/-699.920 χ^2/NDF:10.6/5

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -776.653+/-823.631 χ^2/NDF:2.7/3

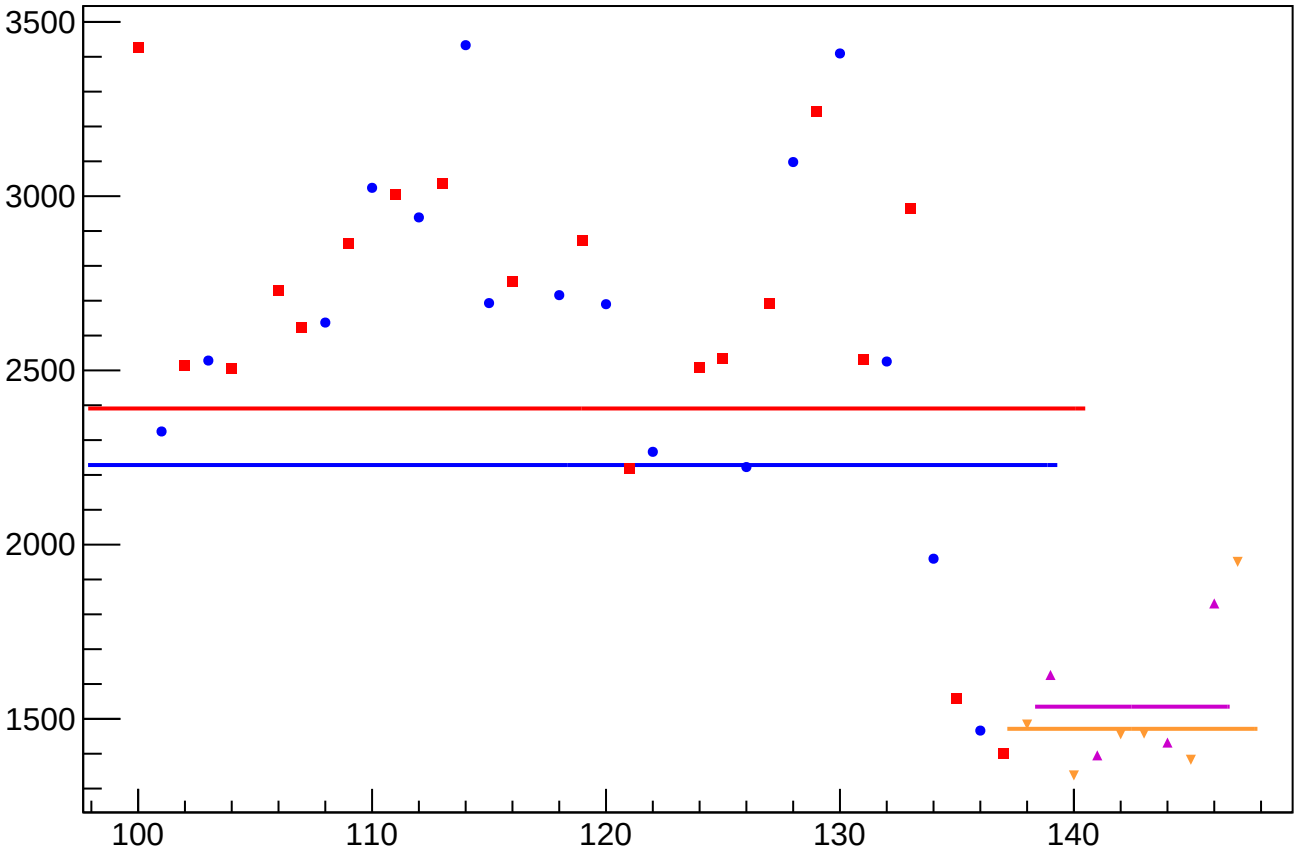
Left: -540.344+/-533.350 χ^2/NDF: 13.4/9

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1319.604+/-594.535 χ^2/NDF:19.9/19

Out: -38.606+/-552.972 χ^2/NDF:25.4/24

All: -632.768+/-404.908 χ^2/NDF: 47.8/44



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1471.452+/-0.495 χ^2/NDF:123332.4/5

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1535.008+/-0.582 χ^2/NDF:78933.2/3

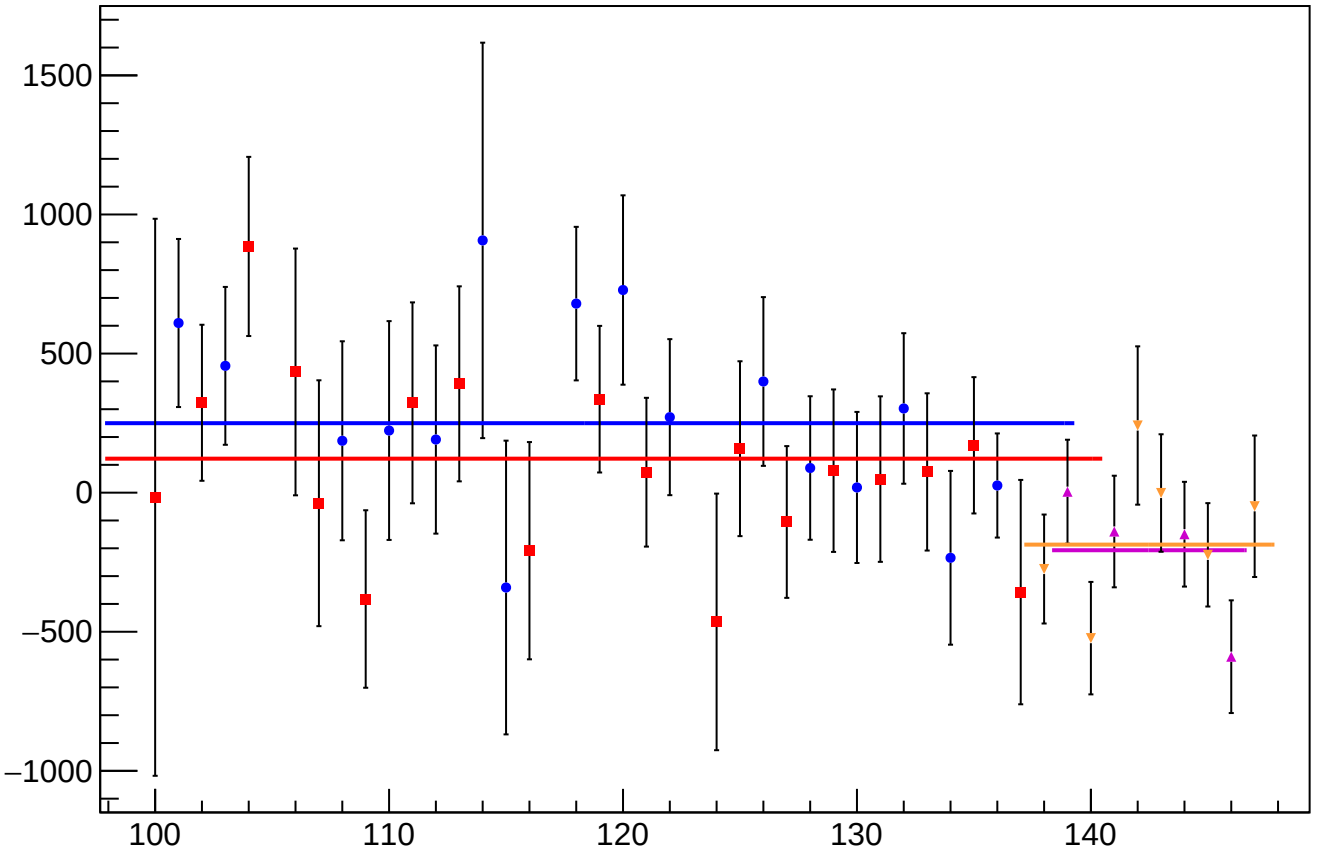
Left: 1498.103+/-0.377 χ^2/NDF: 209180.7/9

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1867.116+/-0.420 χ^2/NDF:1705554.0/19

Out: 1816.936+/-0.391 χ^2/NDF:2209940.5/24

All: 1840.211+/-0.286 χ^2/NDF: 3923133.6/44



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -186.752+/-87.794 χ^2/NDF:6.3/5

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -206.969+/-97.094 χ^2/NDF:5.0/3

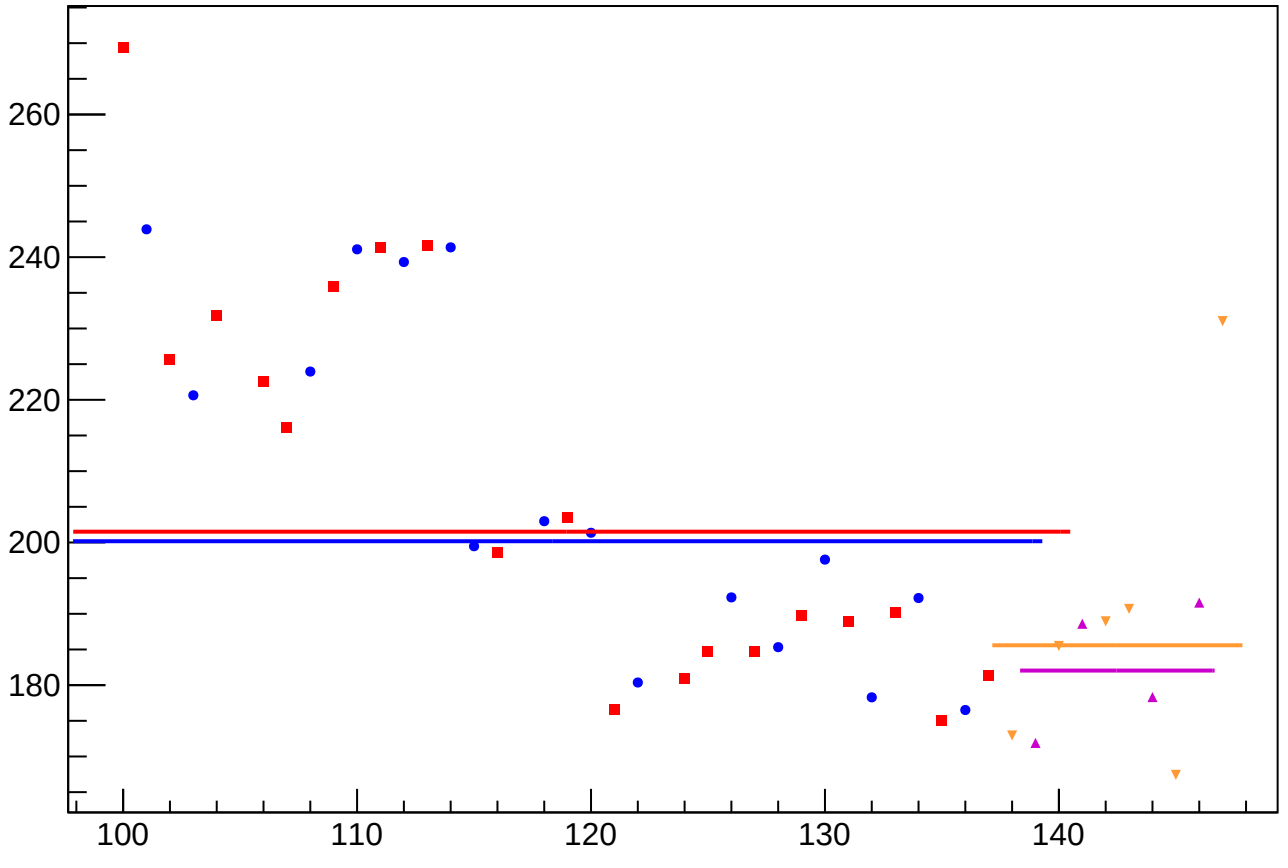
Left: -195.846+/-65.120 χ^2/NDF: 11.4/9

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 79.434+/-59.294 χ^2/NDF:32.7/19

Out: -6.890+/-56.751 χ^2/NDF:29.0/24

All: 34.382+/-40.998 χ^2/NDF: 62.8/44



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 185.591+/-0.062 χ^2/NDF:92742.9/5

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 182.044+/-0.069 χ^2/NDF:13235.7/3

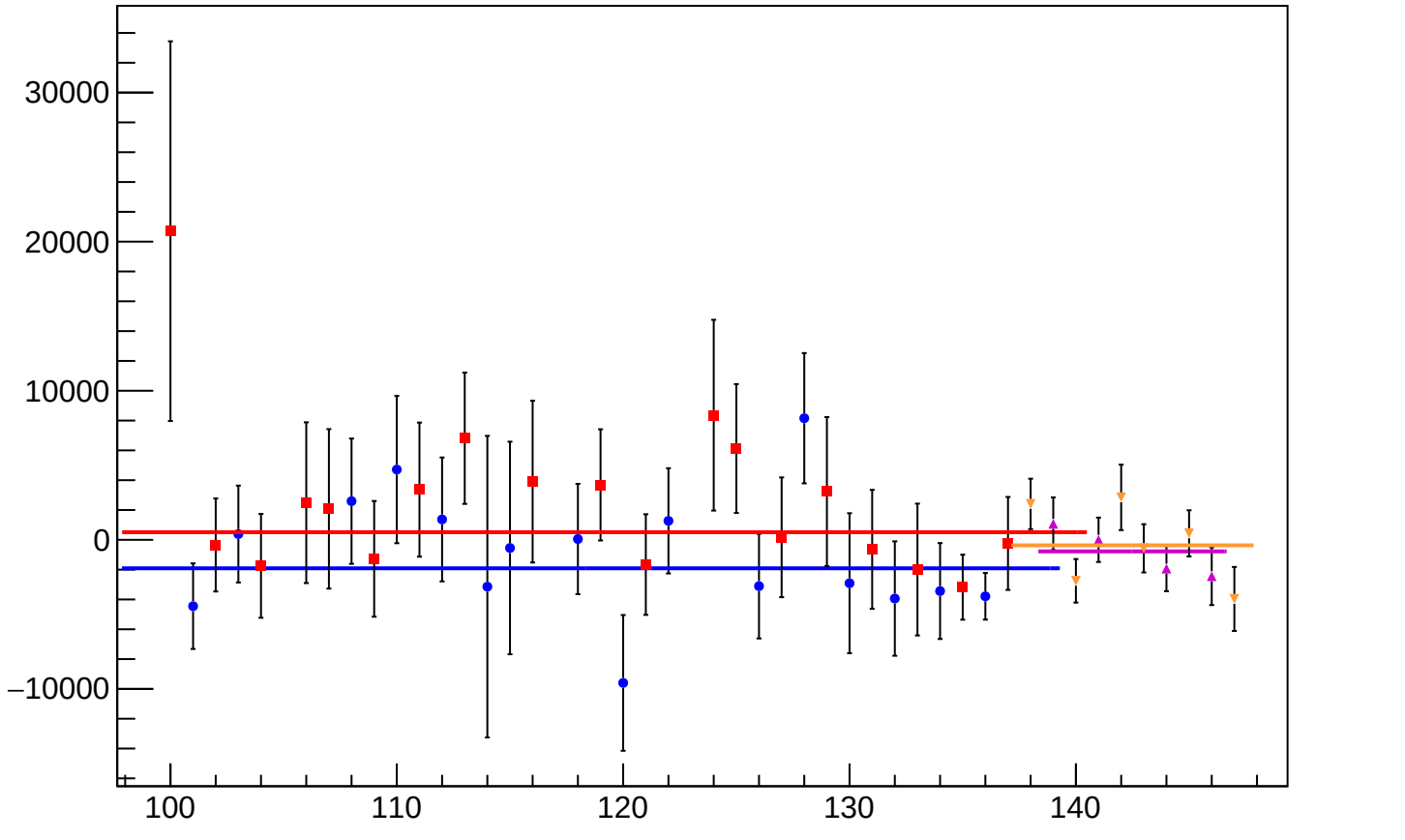
Left: 183.995+/-0.046 χ^2/NDF: 107446.7/9

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 193.415+/-0.042 χ^2/NDF:237978.7/19

Out: 194.861+/-0.040 χ^2/NDF:326476.9/24

All: 194.169+/-0.029 χ^2/NDF: 565076.4/44



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -369.692+/-699.920 χ^2/NDF:10.6/5

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -776.653+/-823.631 χ^2/NDF:2.7/3

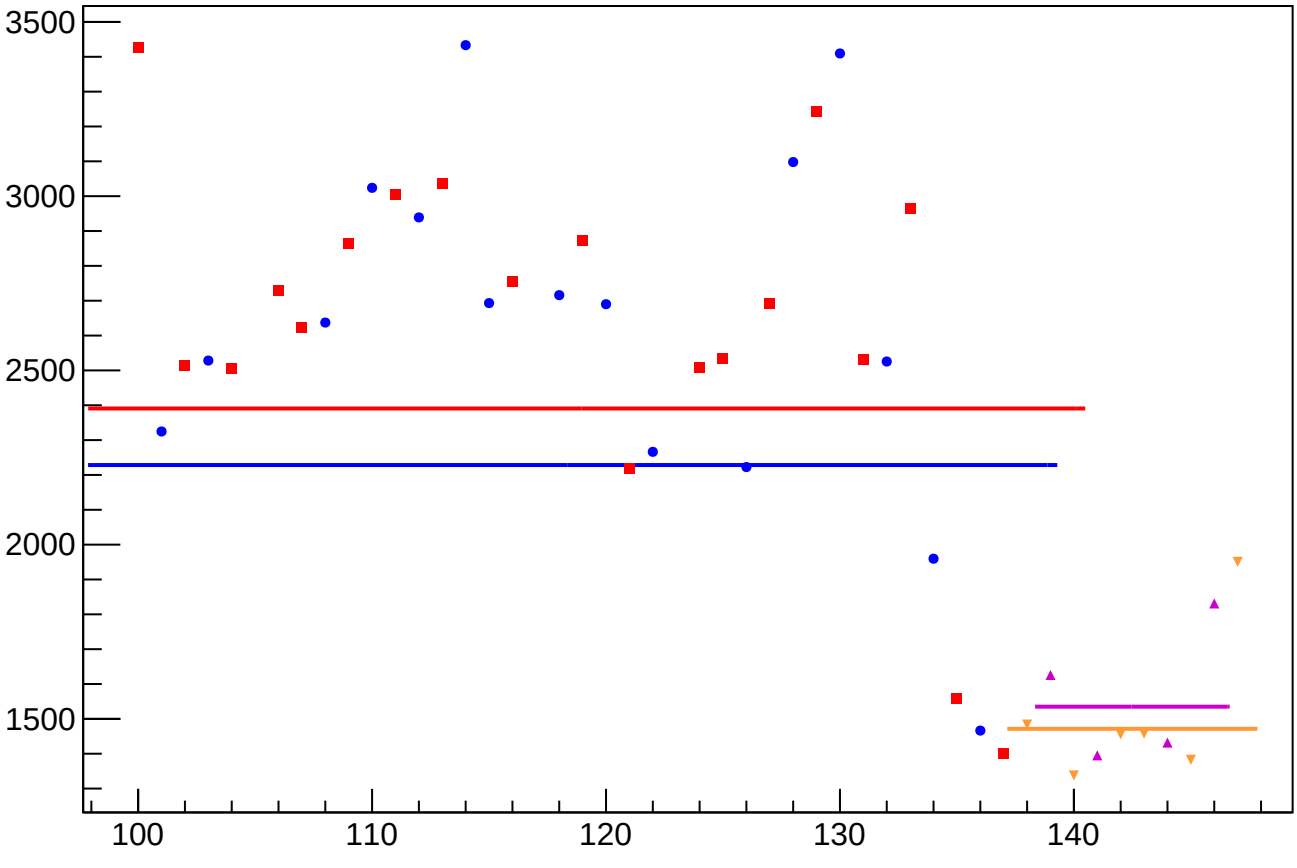
Left: -540.344+/-533.350 χ^2/NDF: 13.4/9

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1319.604+/-594.535 χ^2/NDF:19.9/19

Out: -38.606+/-552.972 χ^2/NDF:25.4/24

All: -632.768+/-404.908 χ^2/NDF: 47.8/44



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1471.452+/-0.495 χ^2/NDF:123332.4/5

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1535.008+/-0.582 χ^2/NDF:78933.2/3

Left: 1498.103+/-0.377 χ^2/NDF: 209180.7/9

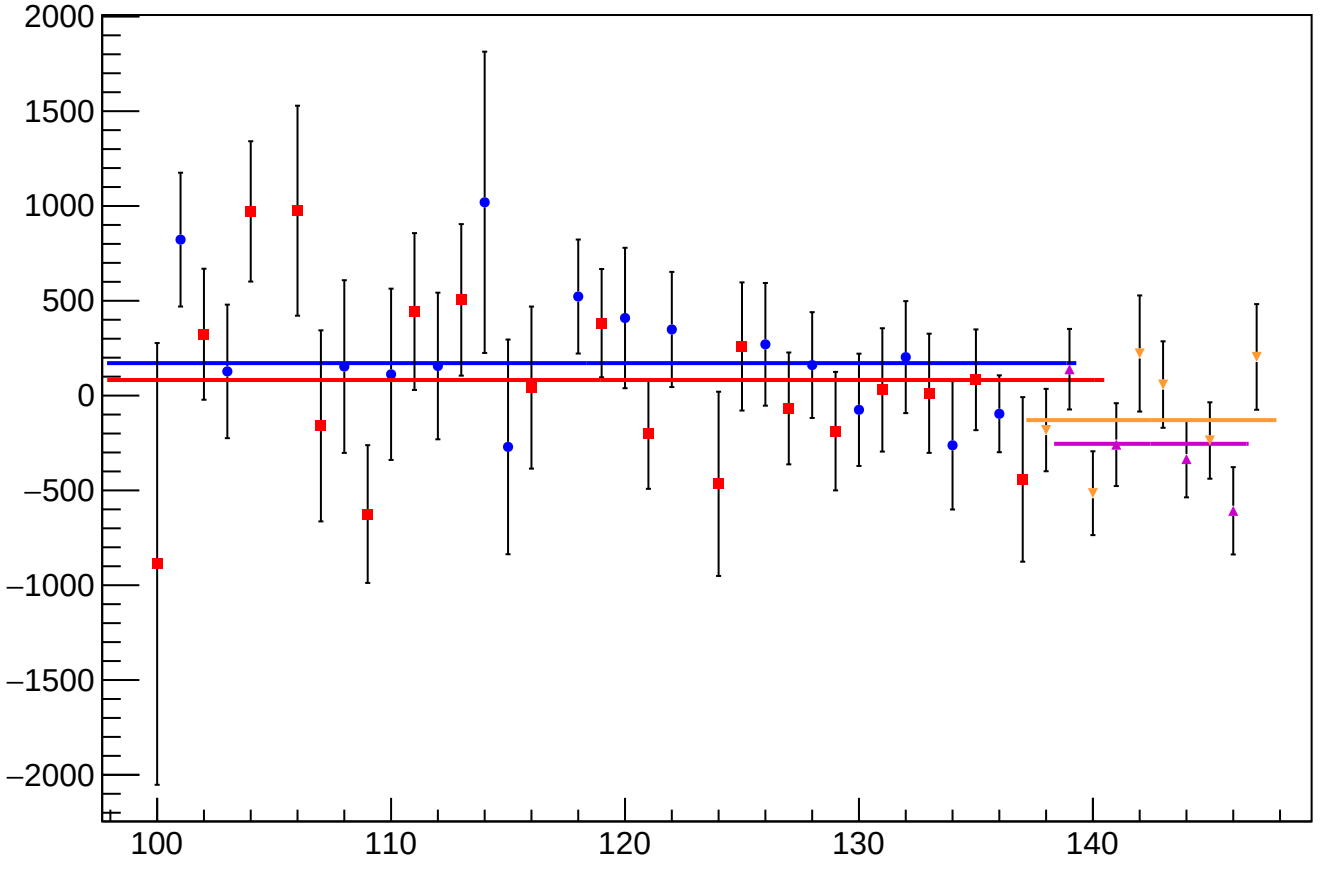
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1867.116+/-0.420 χ^2/NDF:1705554.0/19

Out: 1816.936+/-0.391 χ^2/NDF:2209940.5/24

All: 1840.211+/-0.286 χ^2/NDF: 3923133.6/44

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -129.298+/-95.759 χ^2/NDF:6.8/5

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -254.234+/-107.573 χ^2/NDF:5.9/3

Left: -184.532+/-71.525 χ^2/NDF: 13.5/9

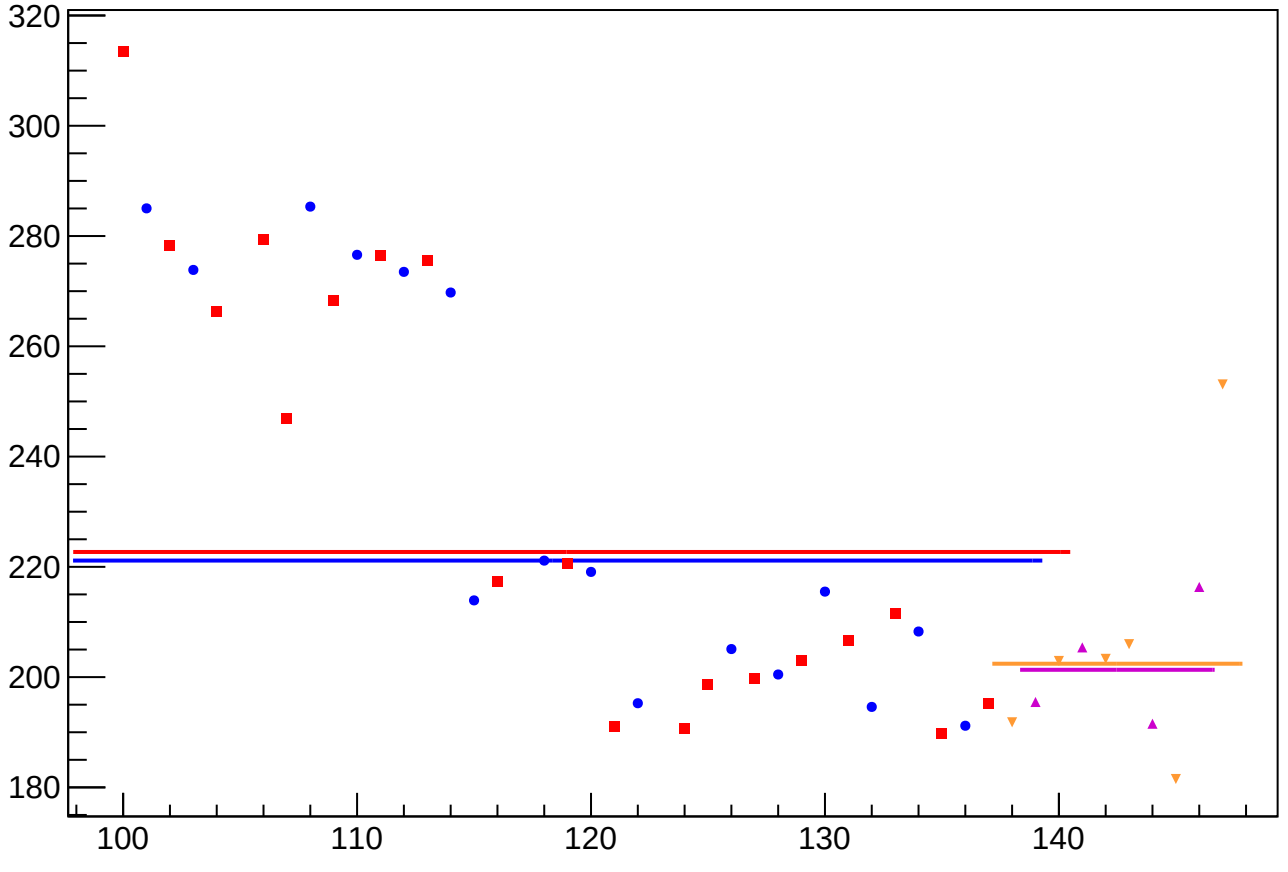
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 12.201+/-65.771 χ^2/NDF:27.2/19

Out: -7.988+/-62.522 χ^2/NDF:31.2/24

All: 1.596+/-45.315 χ^2/NDF: 58.5/44

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 202.430+/-0.068 χ^2/NDF:92941.4/5

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 201.327+/-0.076 χ^2/NDF:15394.4/3

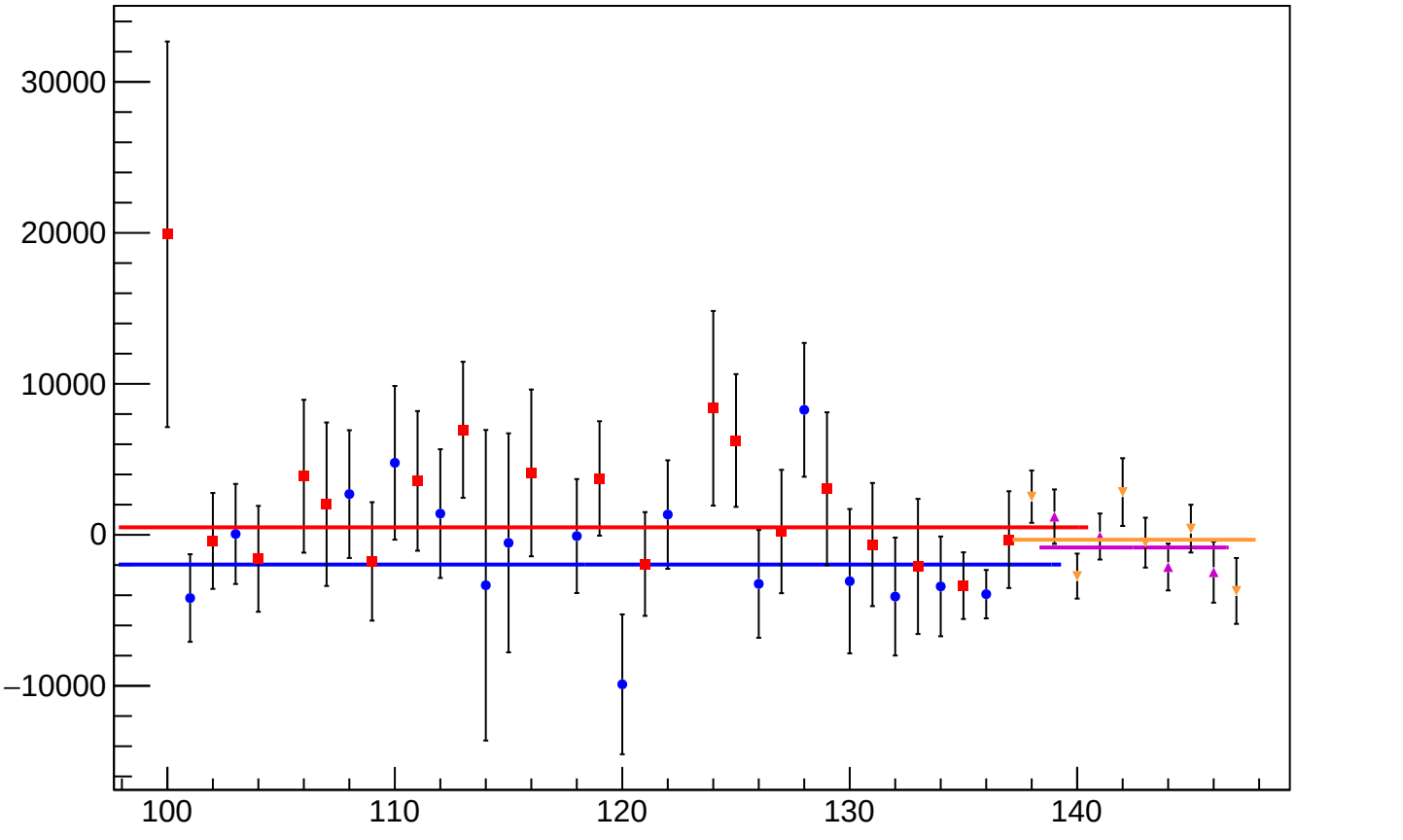
Left: 201.942+/-0.051 χ^2/NDF: 108453.0/9

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 213.733+/-0.047 χ^2/NDF:376576.0/19

Out: 214.057+/-0.044 χ^2/NDF:471374.2/24

All: 213.903+/-0.032 χ^2/NDF: 847975.7/44



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -323.184+/-714.402 χ^2/NDF:10.0/5

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: -836.592+/-845.089 χ^2/NDF:2.9/3

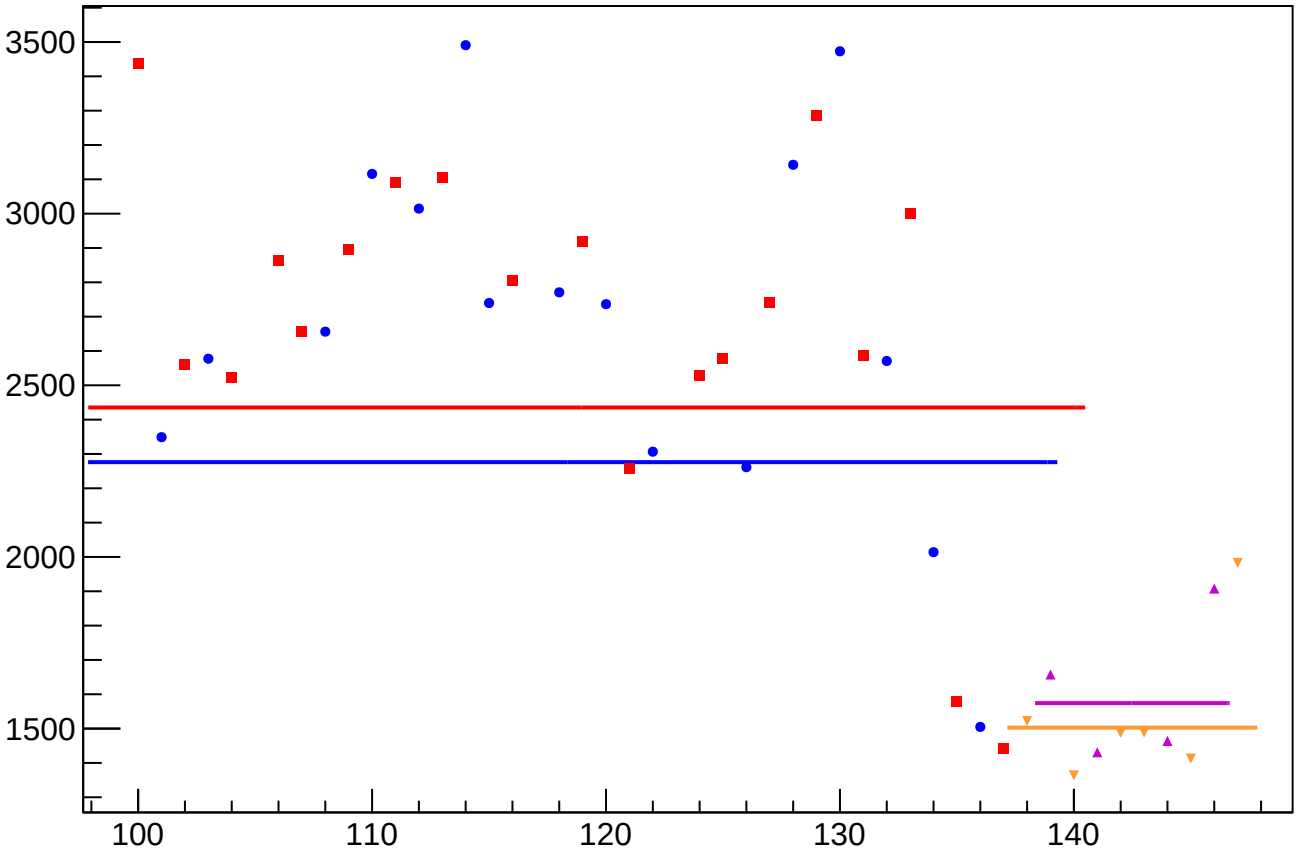
Left: -537.164+/-545.579 χ^2/NDF: 13.0/9

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1381.307+/-608.407 χ^2/NDF:19.9/19

Out: -12.350+/-563.042 χ^2/NDF:25.2/24

All: -643.895+/-413.239 χ^2/NDF: 47.8/44



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1502.758+/-0.505 χ^2/NDF:121209.8/5

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1574.256+/-0.598 χ^2/NDF:86675.6/3

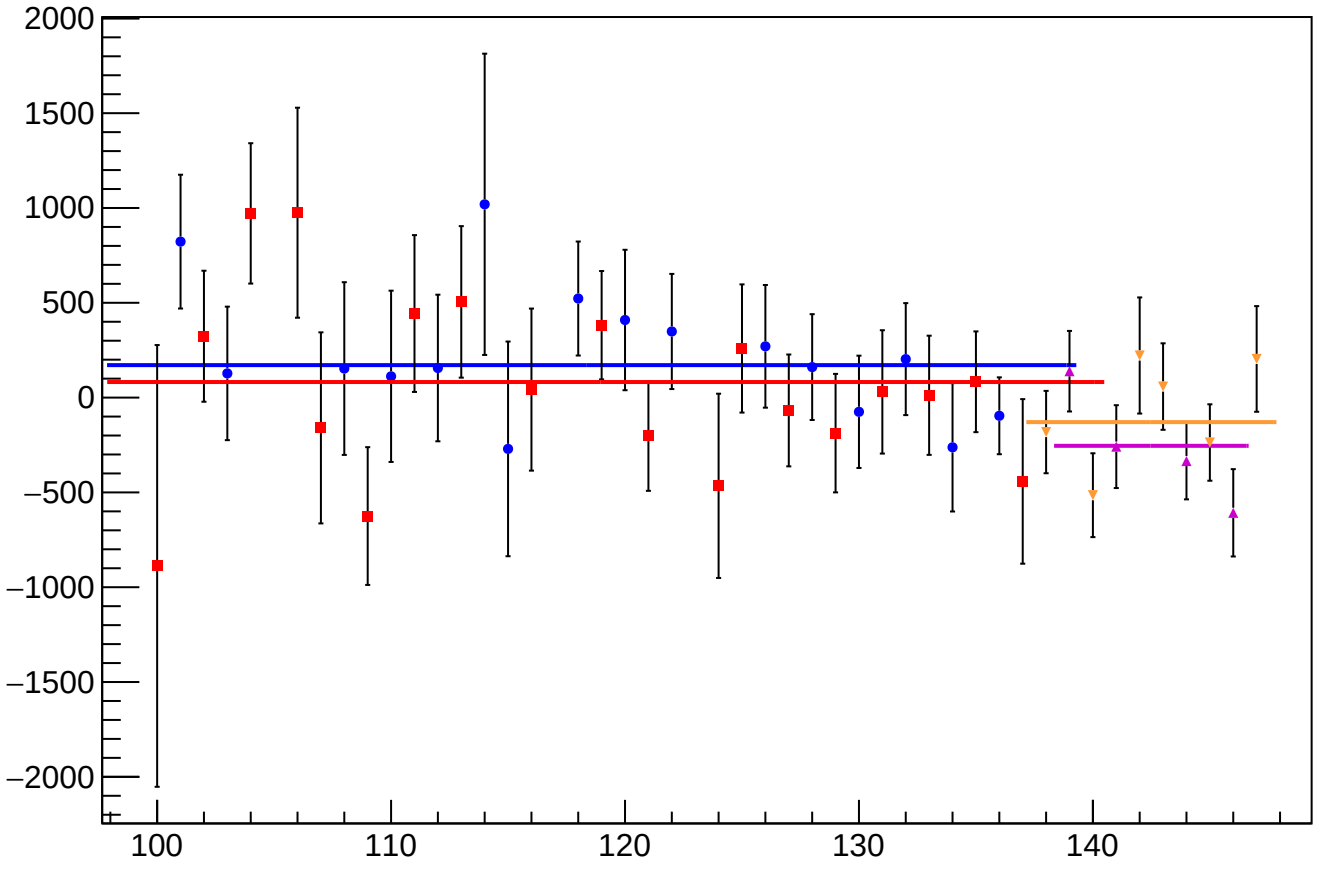
Left: 1532.557+/-0.386 χ^2/NDF: 216234.6/9

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1912.350+/-0.430 χ^2/NDF:1678203.1/19

Out: 1856.072+/-0.398 χ^2/NDF:2203946.1/24

All: 1882.035+/-0.292 χ^2/NDF: 3891366.9/44



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -129.303+/-95.759 χ^2/NDF:6.8/5

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -254.234+/-107.572 χ^2/NDF:5.9/3

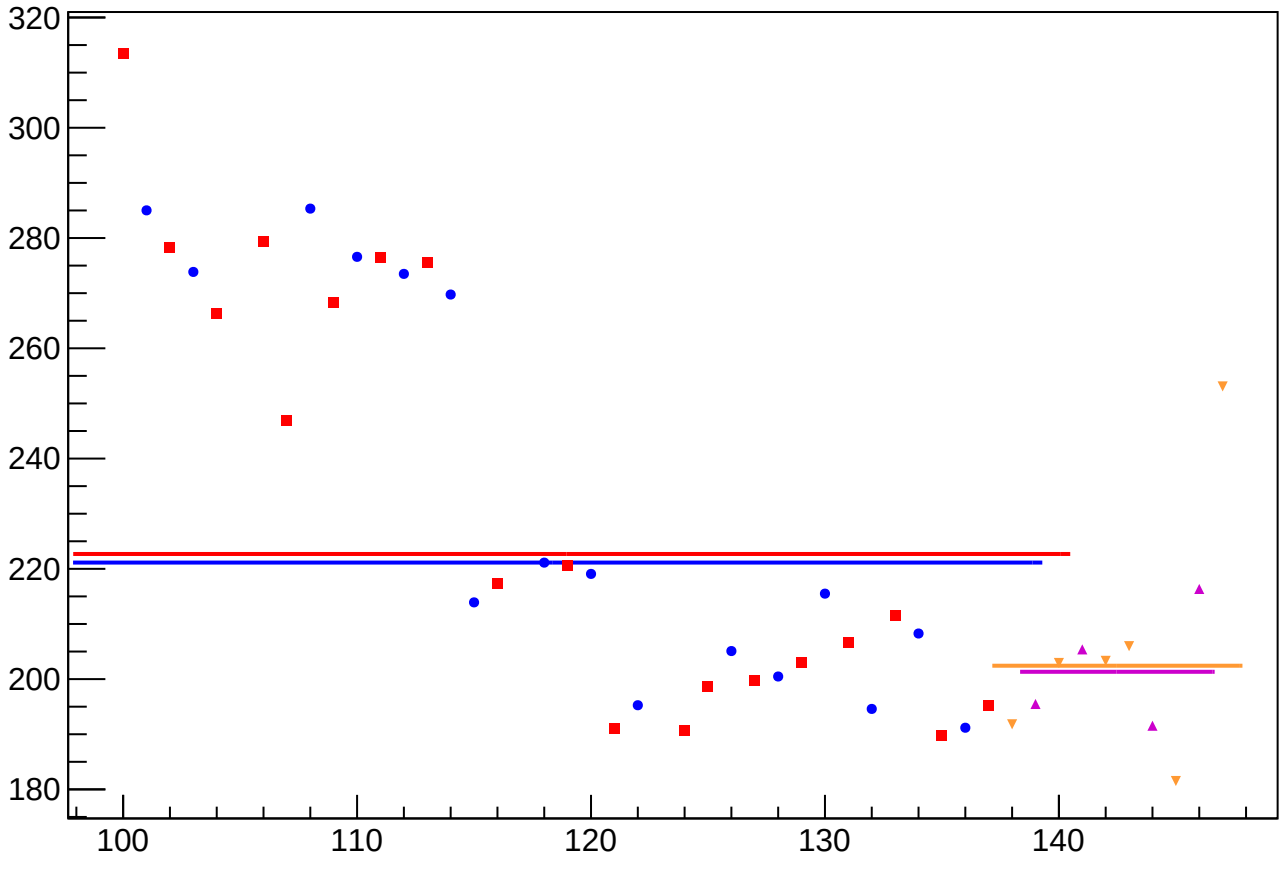
Left: -184.534+/-71.525 χ^2/NDF: 13.5/9

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: 12.203+/-65.771 χ^2/NDF:27.2/19

Out: -7.991+/-62.522 χ^2/NDF:31.2/24

All: 1.595+/-45.315 χ^2/NDF: 58.5/44



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 202.429+/-0.068 χ^2/NDF:92943.4/5

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 201.327+/-0.076 χ^2/NDF:15394.3/3

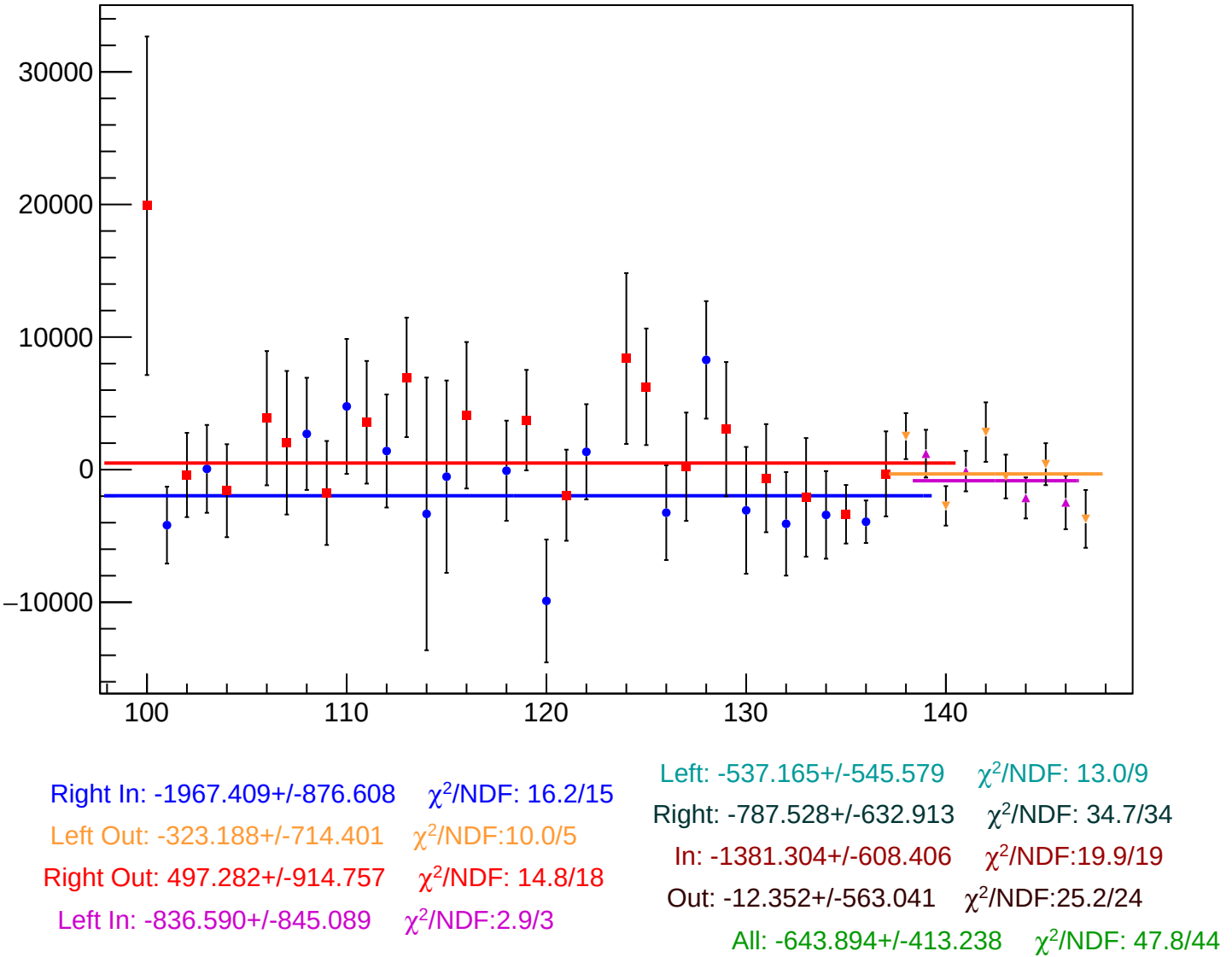
Left: 201.942+/-0.051 χ^2/NDF: 108454.9/9

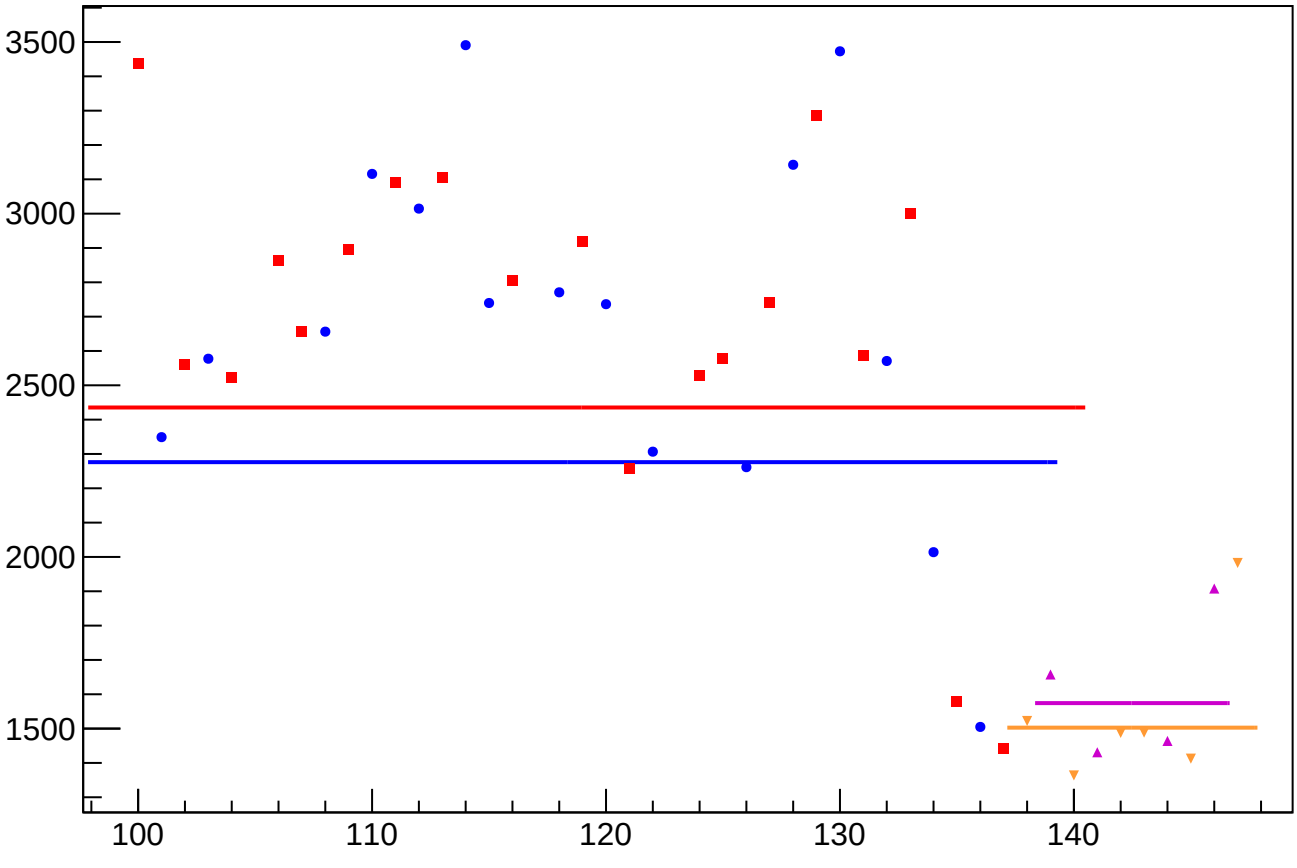
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 213.732+/-0.047 χ^2/NDF:376567.4/19

Out: 214.057+/-0.044 χ^2/NDF:471366.5/24

All: 213.903+/-0.032 χ^2/NDF: 847959.5/44


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -323.188+/-714.401 χ²/NDF:10.0/5
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: -836.590+/-845.089 χ²/NDF:2.9/3
Left: -537.165+/-545.579 χ²/NDF: 13.0/9
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -1381.304+/-608.406 χ²/NDF:19.9/19
Out: -12.352+/-563.041 χ²/NDF:25.2/24
All: -643.894+/-413.238 χ²/NDF: 47.8/44



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1502.756+/-0.505 χ^2/NDF:121210.3/5

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1574.254+/-0.598 χ^2/NDF:86675.1/3

Left: 1532.555+/-0.386 χ^2/NDF: 216234.6/9

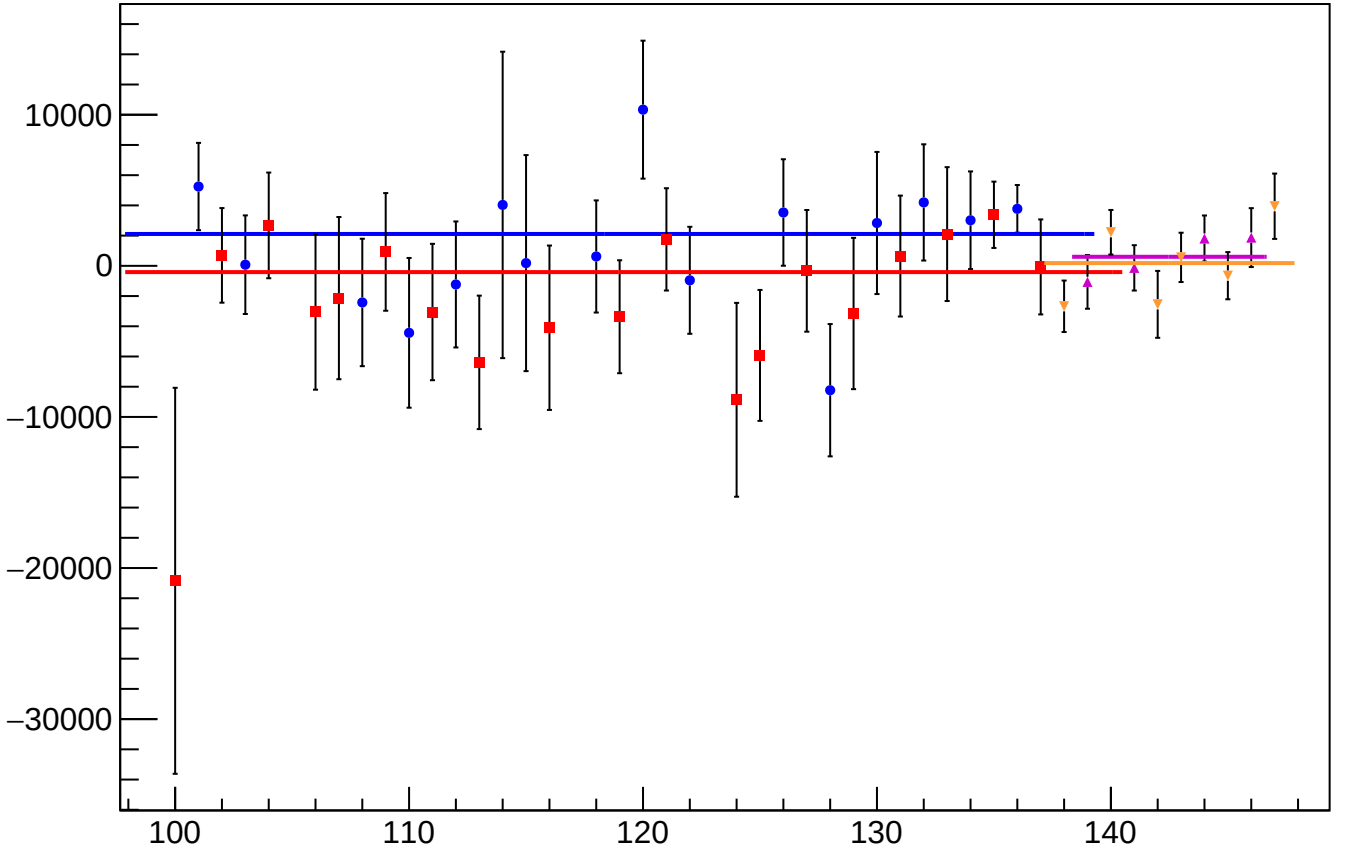
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1912.348+/-0.430 χ^2/NDF:1678191.4/19

Out: 1856.070+/-0.398 χ^2/NDF:2203938.7/24

All: 1882.033+/-0.292 χ^2/NDF: 3891348.1/44

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 182.069+/-705.668 χ^2/NDF:9.6/5

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 599.275+/-829.732 χ^2/NDF:2.2/3

Left: 357.179+/-537.550 χ^2/NDF: 11.9/9

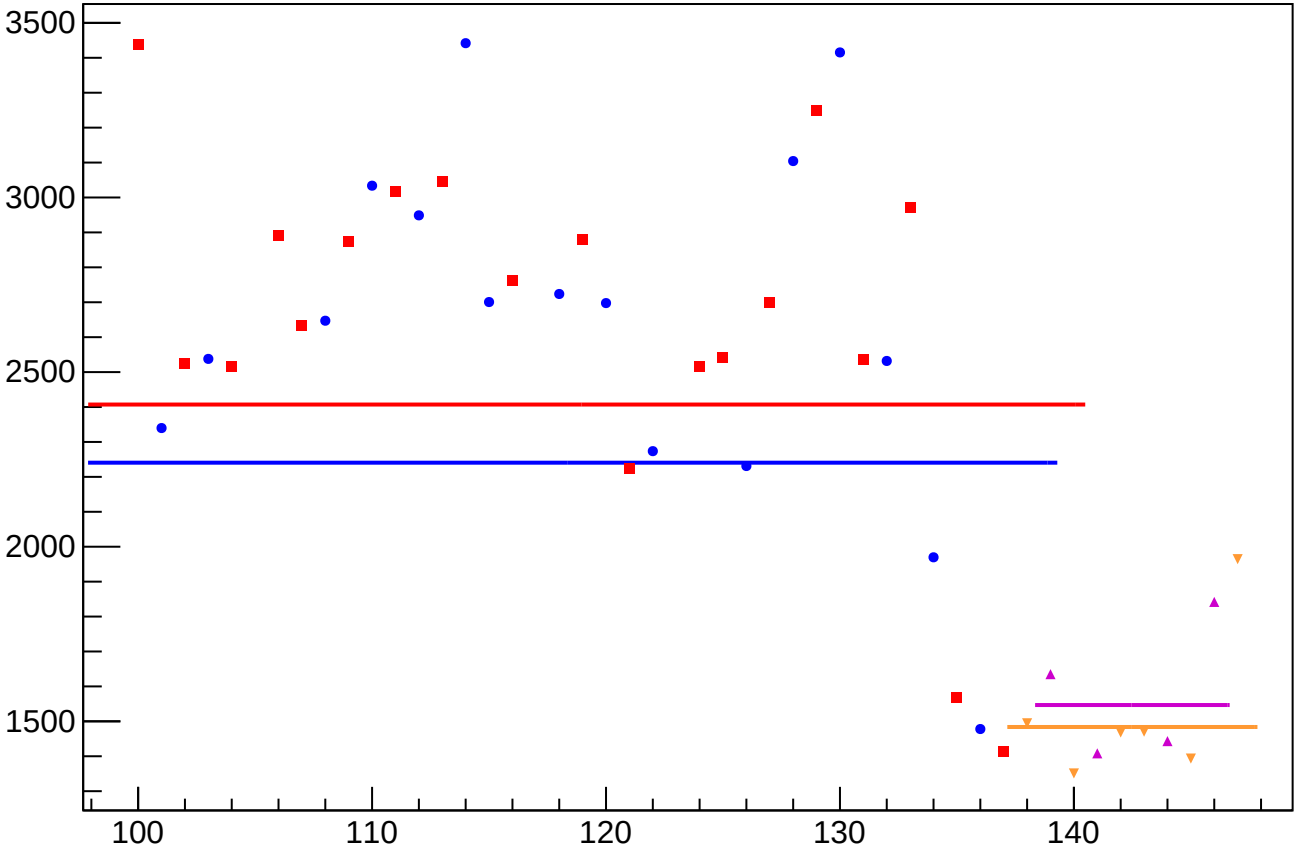
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 1324.481+/-598.221 χ^2/NDF:20.4/19

Out: -43.528+/-556.354 χ^2/NDF:24.6/24

All: 590.935+/-407.399 χ^2/NDF: 47.7/44

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1483.799+/-0.499 χ^2/NDF:122129.6/5

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1546.686+/-0.587 χ^2/NDF:77005.2/3

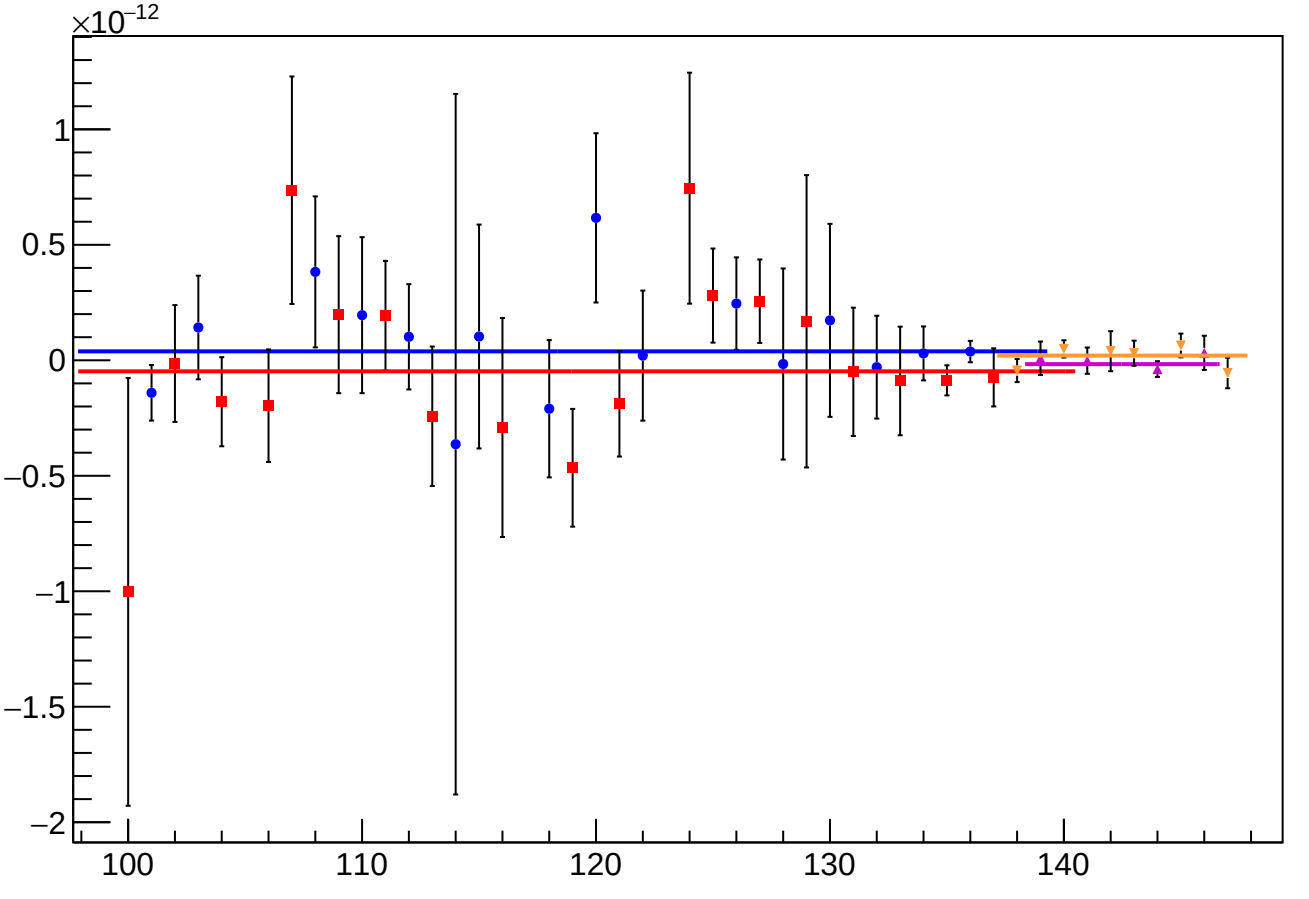
Left: 1510.194+/-0.380 χ^2/NDF: 205801.6/9

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1879.906+/-0.423 χ^2/NDF:1682345.4/19

Out: 1833.199+/-0.393 χ^2/NDF:2206809.5/24

All: 1854.861+/-0.288 χ^2/NDF: 3895692.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

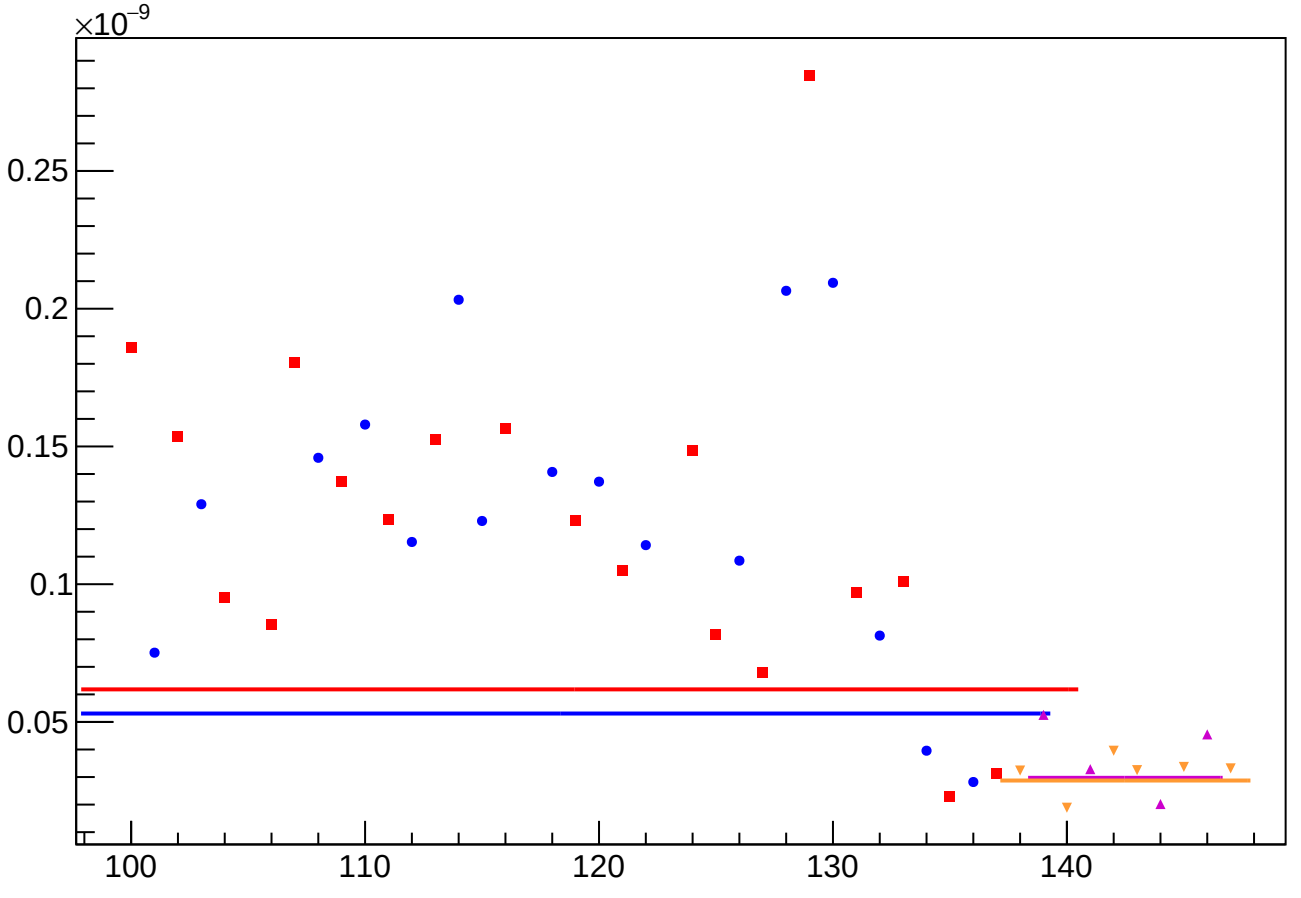
Left: 0.000+/-0.000 χ^2/NDF: 6.7/9

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:11.0/19

Out: 0.000+/-0.000 χ^2/NDF:24.6/24

All: 0.000+/-0.000 χ^2/NDF: 35.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:217561.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:452566.5/3

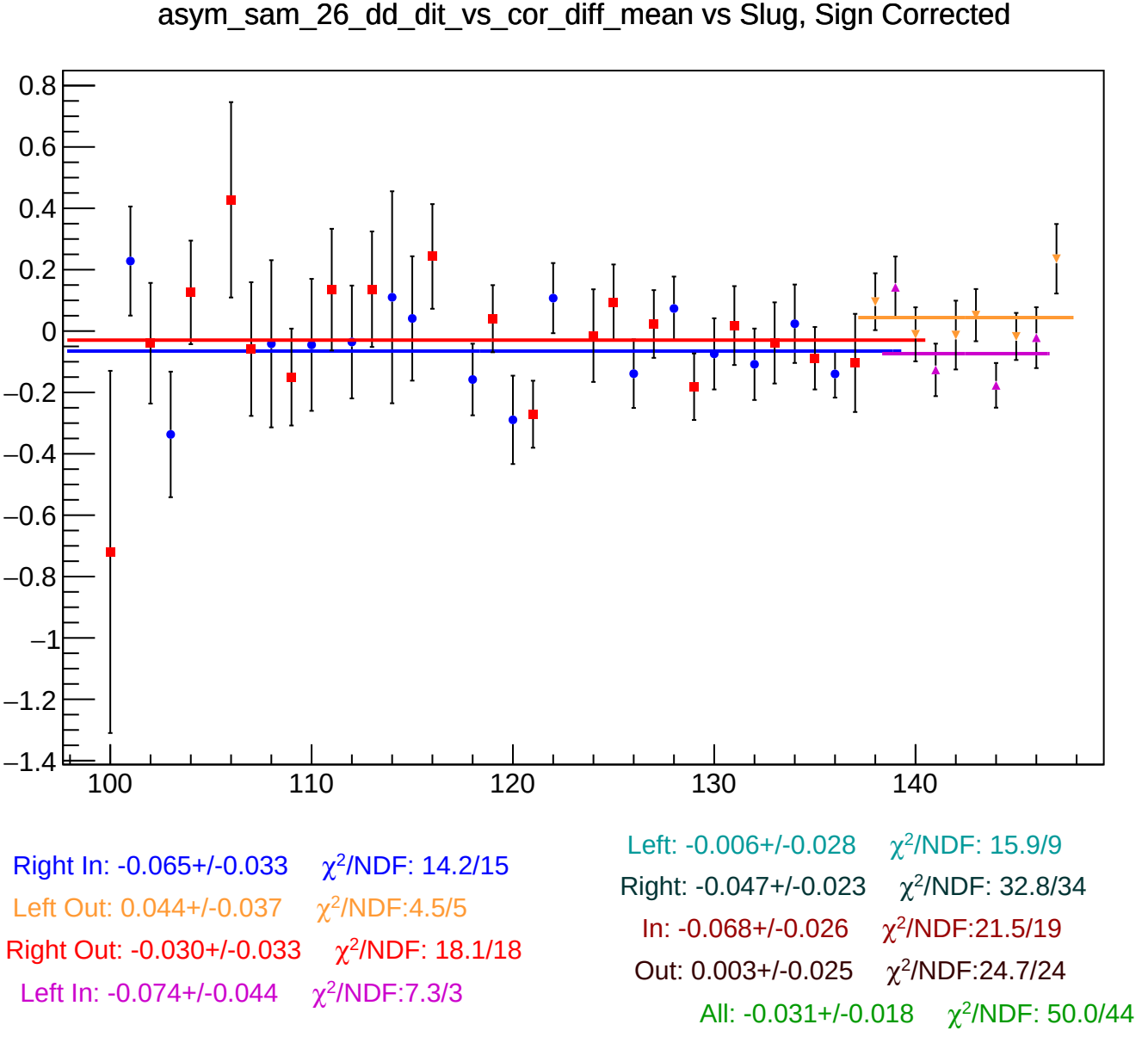
Left: 0.000+/-0.000 χ^2/NDF: 671864.1/9

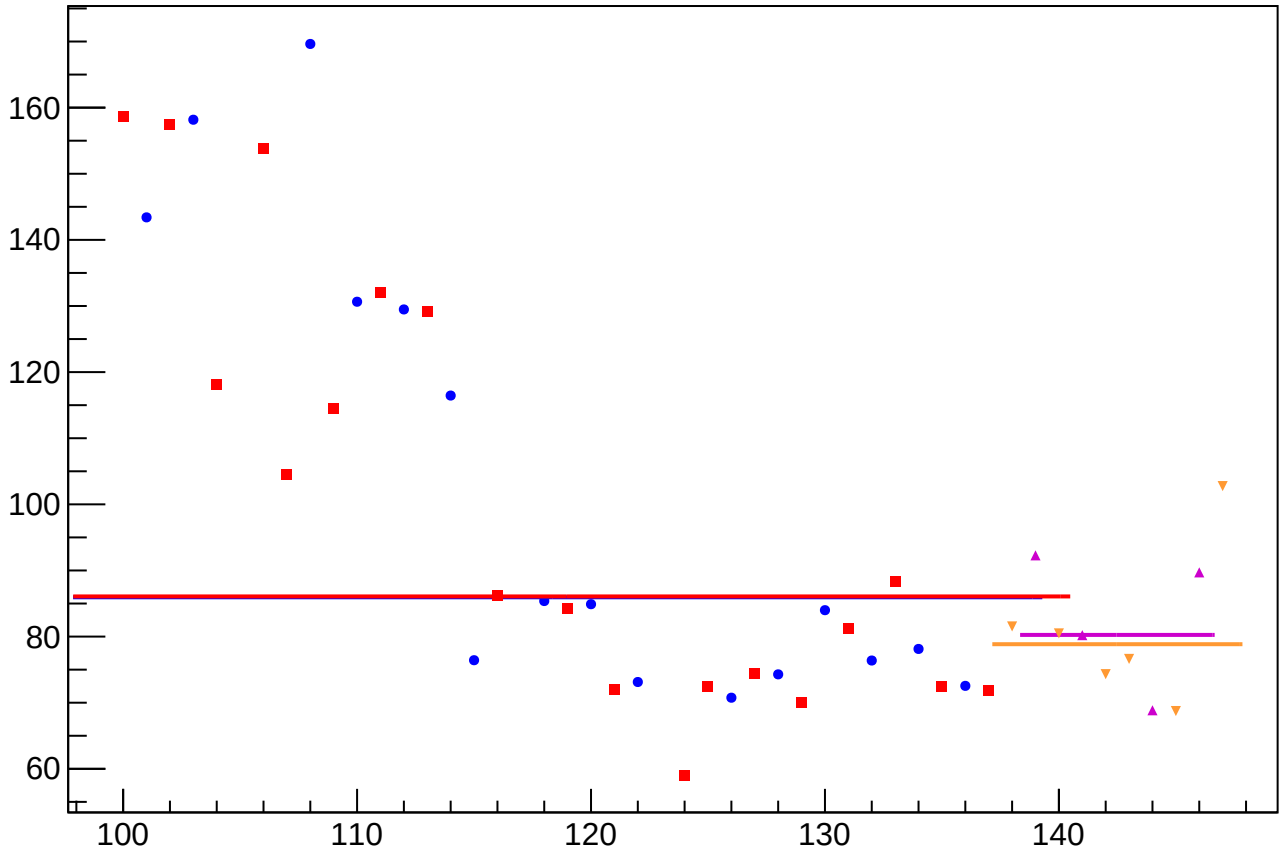
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3582506.1/19

Out: 0.000+/-0.000 χ^2/NDF:3571091.3/24

All: 0.000+/-0.000 χ^2/NDF: 7165478.7/44


asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.044+/-0.037 χ²/NDF:4.5/5
Right Out: -0.030+/-0.033 χ²/NDF: 18.1/18
Left In: -0.074+/-0.044 χ²/NDF:7.3/3
Left: -0.006+/-0.028 χ²/NDF: 15.9/9
Right: -0.047+/-0.023 χ²/NDF: 32.8/34
In: -0.068+/-0.026 χ²/NDF:21.5/19
Out: 0.003+/-0.025 χ²/NDF:24.7/24
All: -0.031+/-0.018 χ²/NDF: 50.0/44



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.848+/-0.027 χ^2/NDF:130885.0/5

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.253+/-0.031 χ^2/NDF:95900.6/3

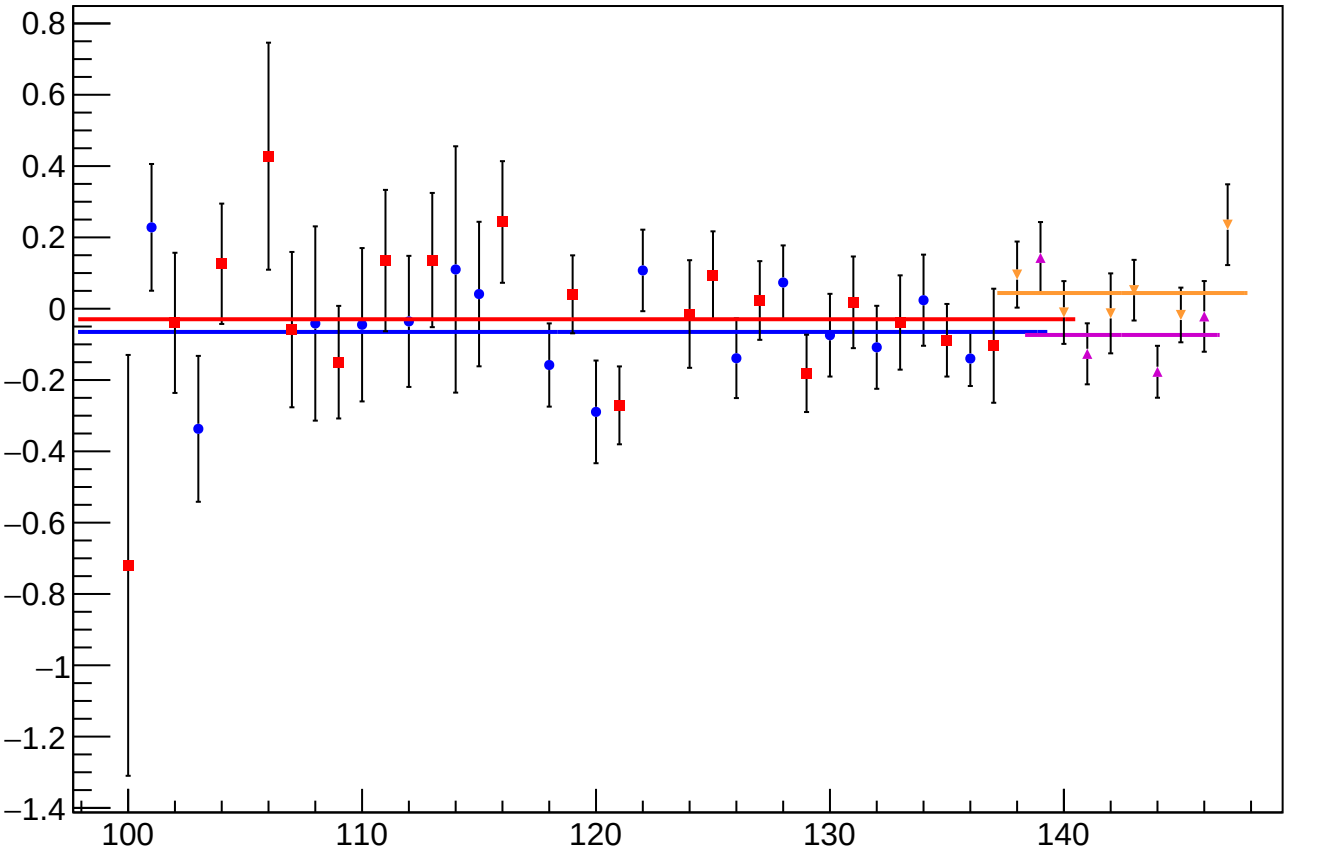
Left: 79.446+/-0.020 χ^2/NDF: 227979.2/9

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 83.848+/-0.019 χ^2/NDF:1152434.9/19

Out: 82.923+/-0.018 χ^2/NDF:1164138.0/24

All: 83.355+/-0.013 χ^2/NDF: 2317873.8/44



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.074+/-0.044 χ^2/NDF:7.3/3

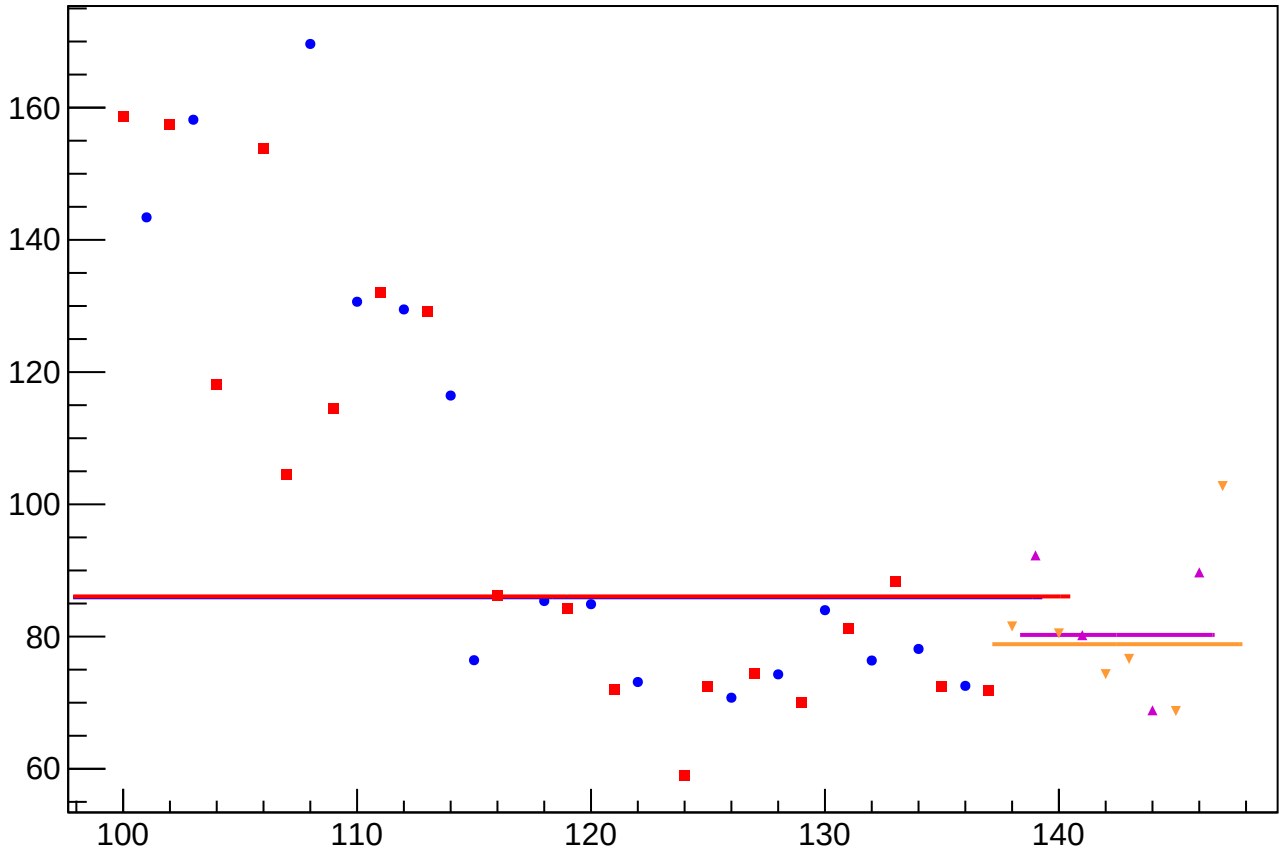
Left: -0.006+/-0.028 χ^2/NDF: 15.9/9

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.068+/-0.026 χ^2/NDF:21.5/19

Out: 0.003+/-0.025 χ^2/NDF:24.7/24

All: -0.031+/-0.018 χ^2/NDF: 50.0/44



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.848+/-0.027 χ^2/NDF:130885.0/5

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.253+/-0.031 χ^2/NDF:95900.6/3

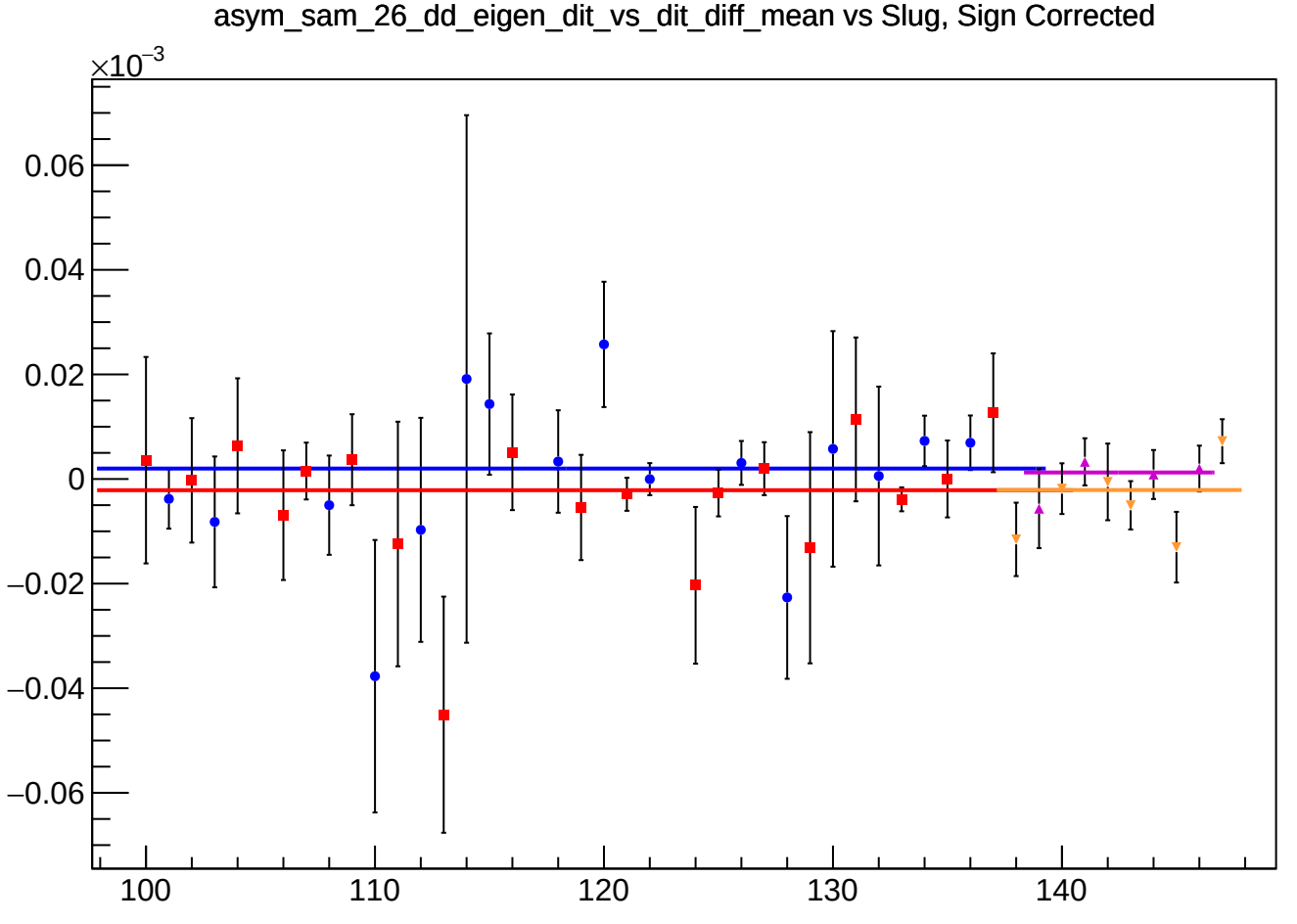
Left: 79.446+/-0.020 χ^2/NDF: 227979.2/9

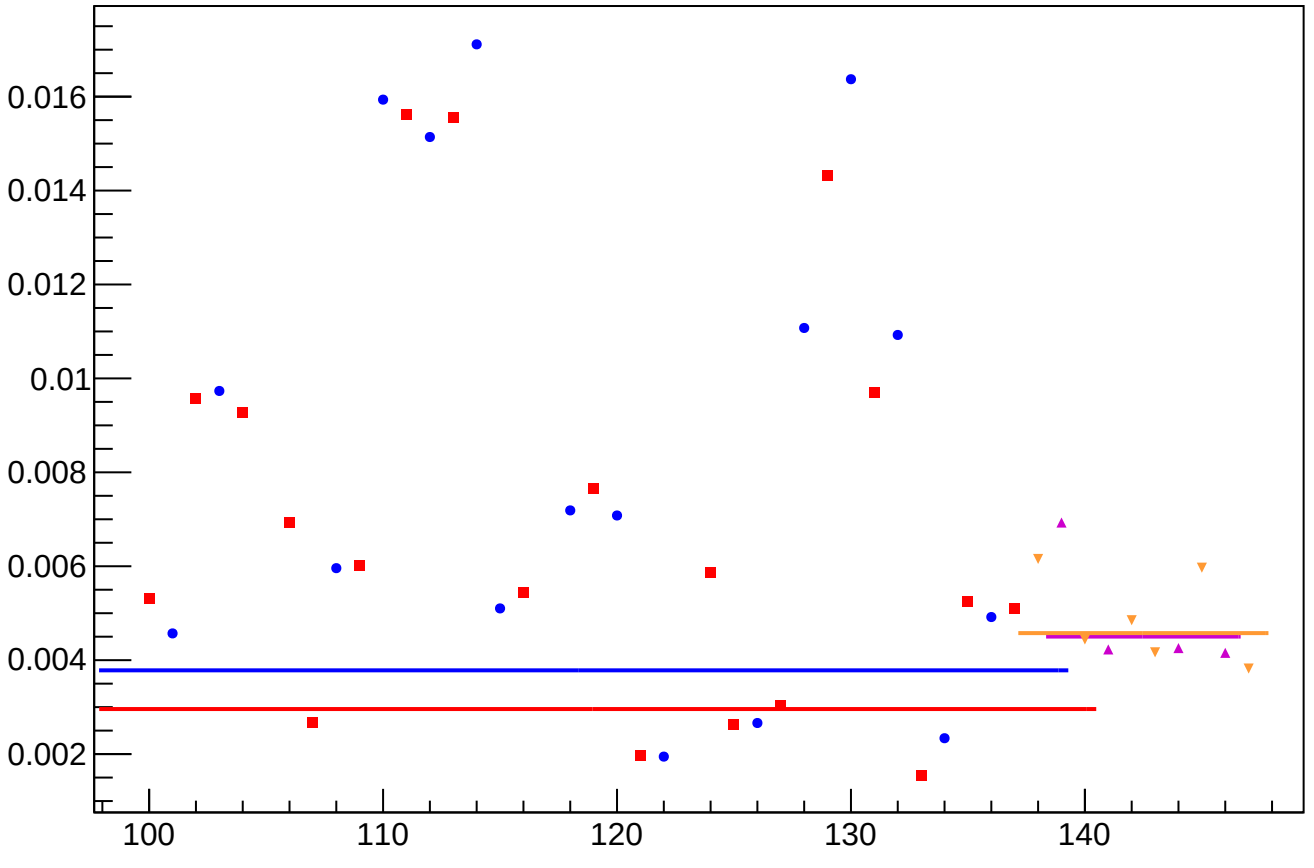
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 83.848+/-0.019 χ^2/NDF:1152434.9/19

Out: 82.923+/-0.018 χ^2/NDF:1164138.0/24

All: 83.355+/-0.013 χ^2/NDF: 2317873.8/44


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
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:9.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: 0.000+/-0.000 χ²/NDF:1.1/3
Left: -0.000+/-0.000 χ²/NDF: 11.9/9
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:16.0/19
Out: -0.000+/-0.000 χ²/NDF:21.3/24
All: -0.000+/-0.000 χ²/NDF: 41.7/44



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:270697.9/5

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:232413.3/3

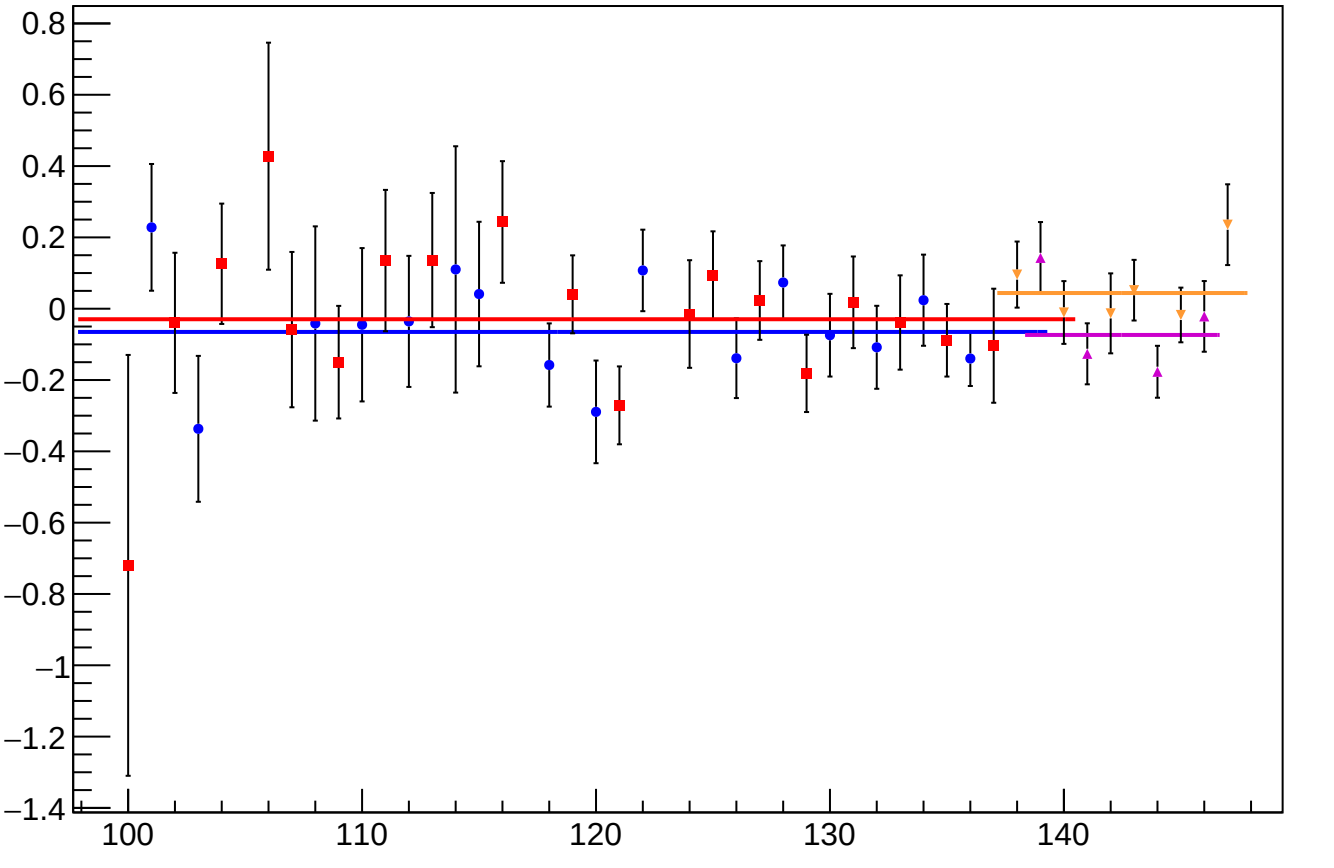
Left: 0.005+/-0.000 χ^2/NDF: 504107.7/9

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5039935.6/19

Out: 0.003+/-0.000 χ^2/NDF:6587380.5/24

All: 0.004+/-0.000 χ^2/NDF: 11835229.3/44



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.074+/-0.044 χ^2/NDF:7.3/3

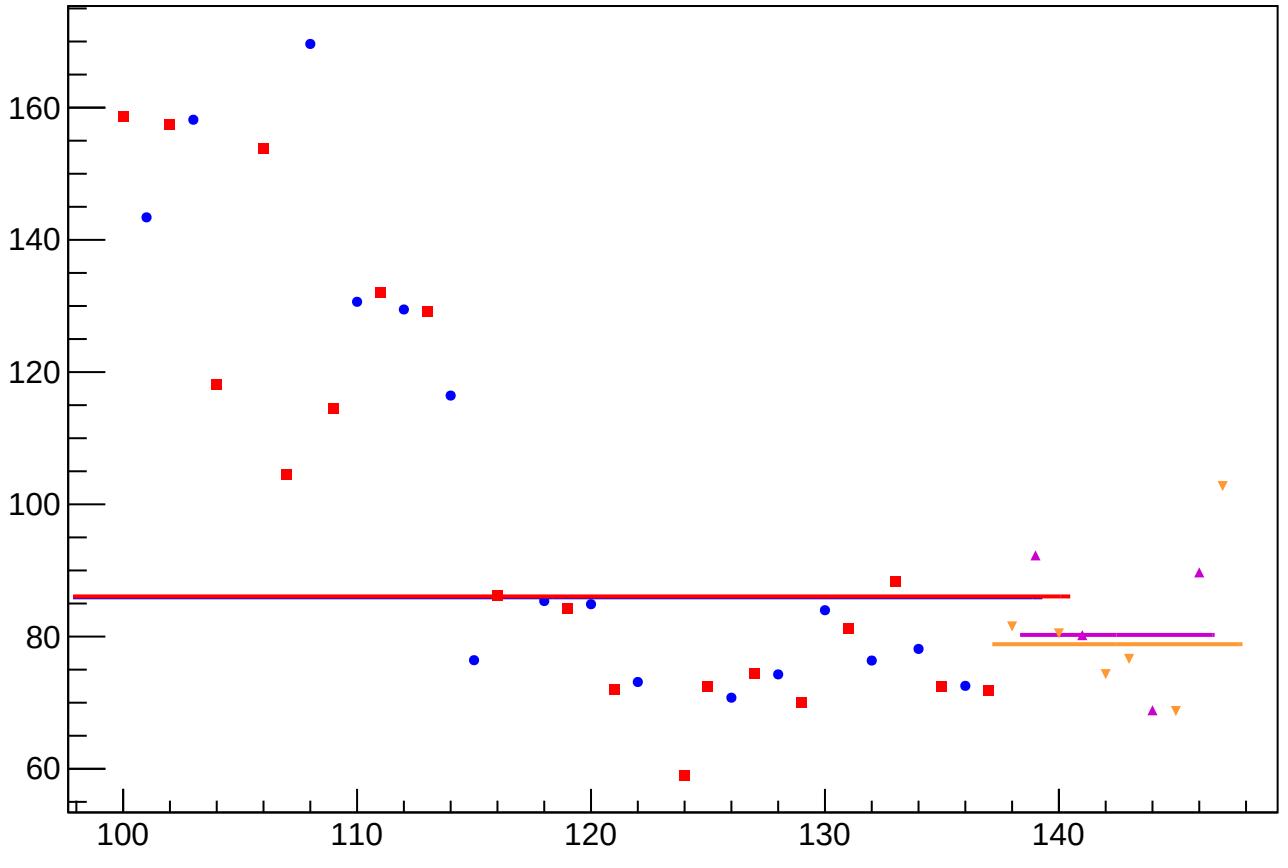
Left: -0.006+/-0.028 χ^2/NDF: 15.9/9

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.068+/-0.026 χ^2/NDF:21.5/19

Out: 0.003+/-0.025 χ^2/NDF:24.7/24

All: -0.031+/-0.018 χ^2/NDF: 50.0/44



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.847+/-0.027 χ^2/NDF:130900.2/5

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.252+/-0.031 χ^2/NDF:95894.7/3

Left: 79.445+/-0.020 χ^2/NDF: 227988.9/9

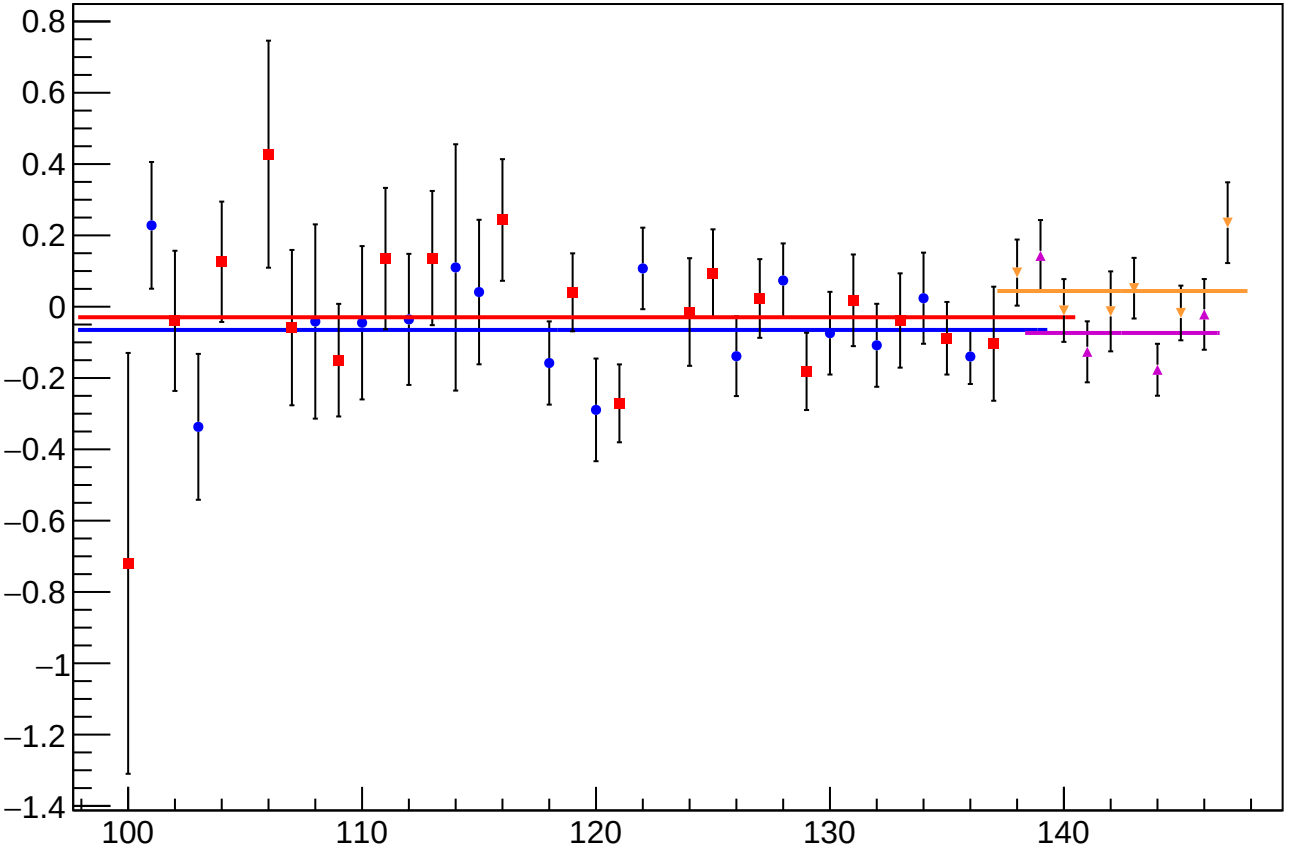
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 83.846+/-0.019 χ^2/NDF:1152398.5/19

Out: 82.922+/-0.018 χ^2/NDF:1164134.5/24

All: 83.353+/-0.013 χ^2/NDF: 2317833.4/44

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: 0.044+/-0.037 χ^2/NDF:4.5/5

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.074+/-0.044 χ^2/NDF:7.3/3

Left: -0.006+/-0.028 χ^2/NDF: 15.9/9

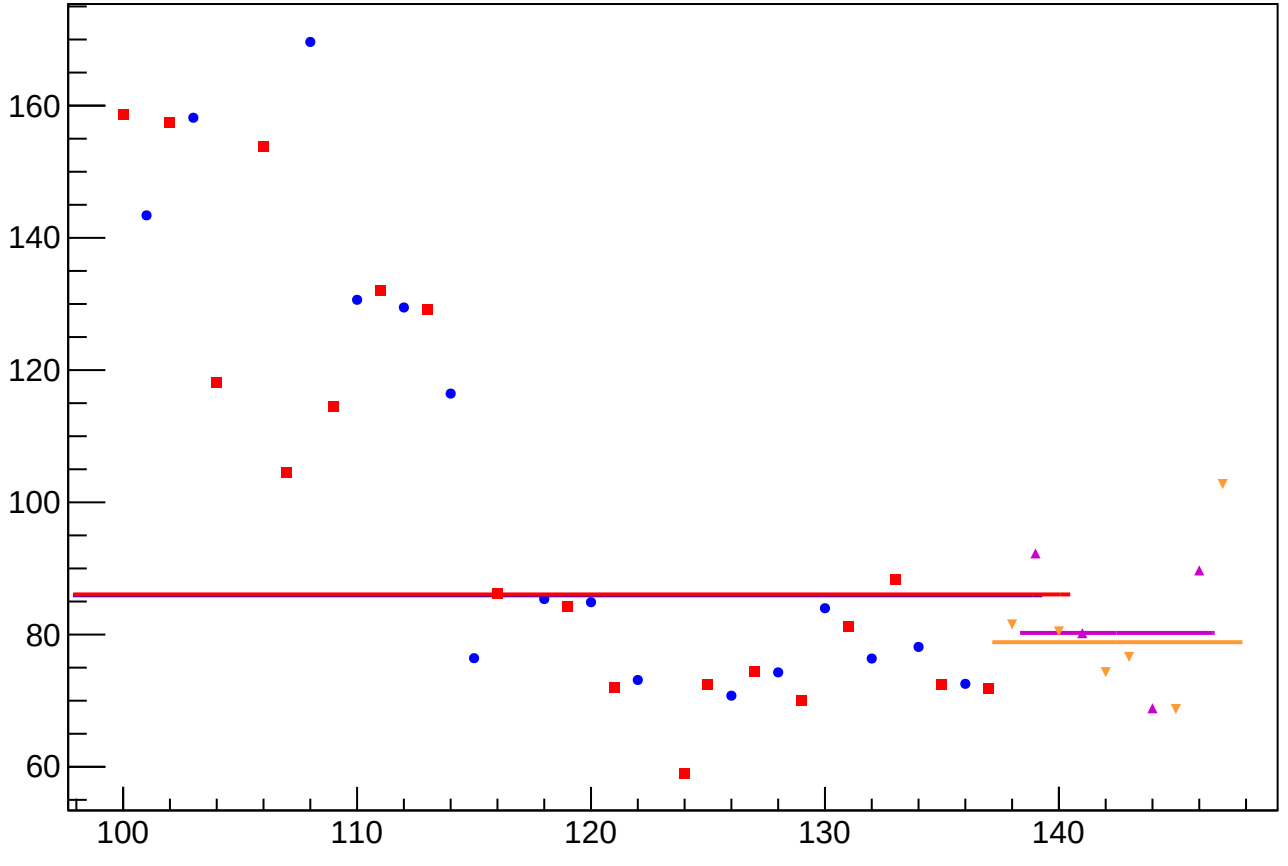
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.068+/-0.026 χ^2/NDF:21.5/19

Out: 0.003+/-0.025 χ^2/NDF:24.7/24

All: -0.031+/-0.018 χ^2/NDF: 50.0/44

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: 78.847+/-0.027 χ^2/NDF:130900.2/5

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.252+/-0.031 χ^2/NDF:95894.7/3

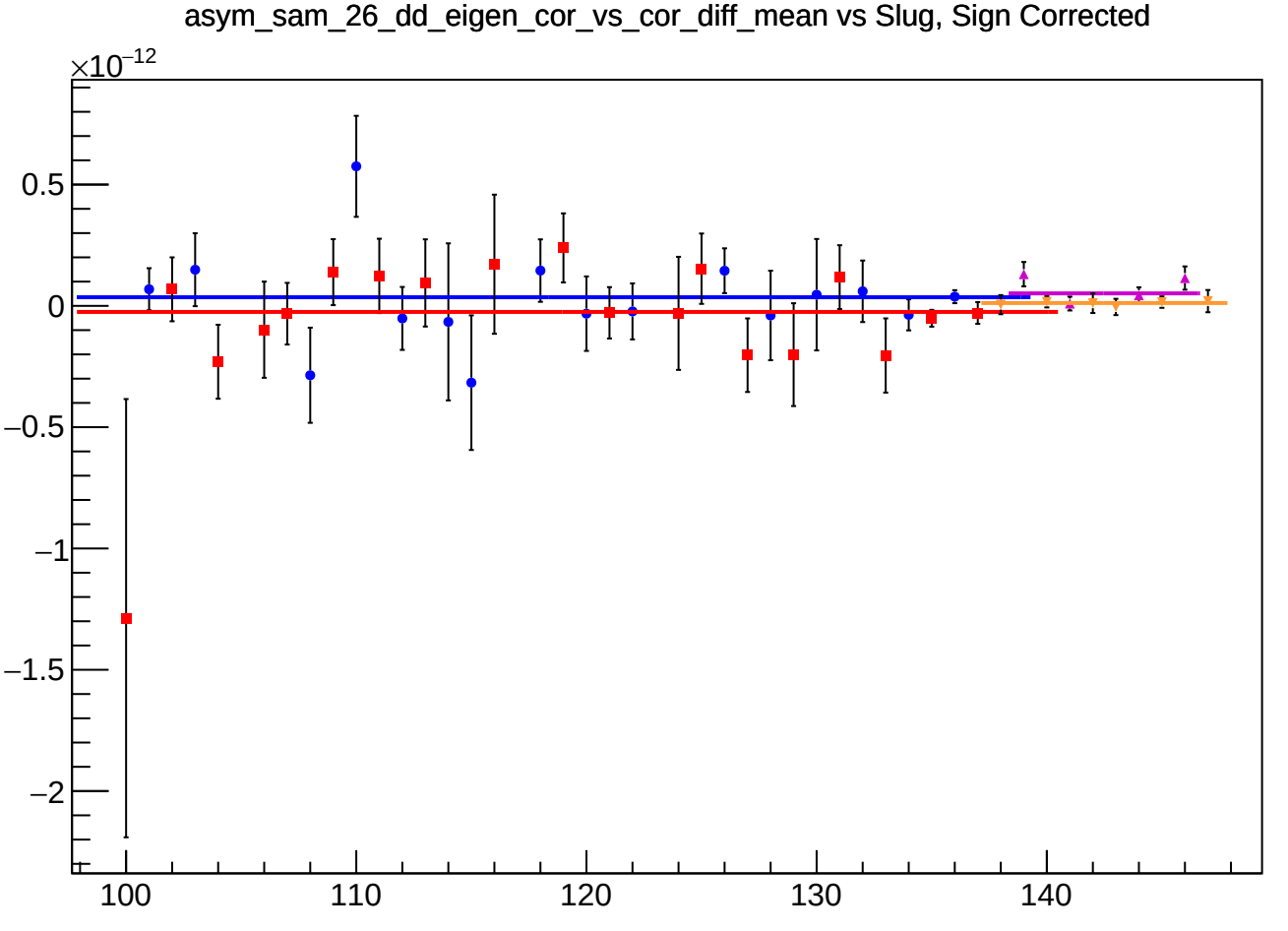
Left: 79.445+/-0.020 χ^2/NDF: 227988.9/9

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 83.846+/-0.019 χ^2/NDF:1152398.5/19

Out: 82.922+/-0.018 χ^2/NDF:1164134.5/24

All: 83.353+/-0.013 χ^2/NDF: 2317833.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.4/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/3

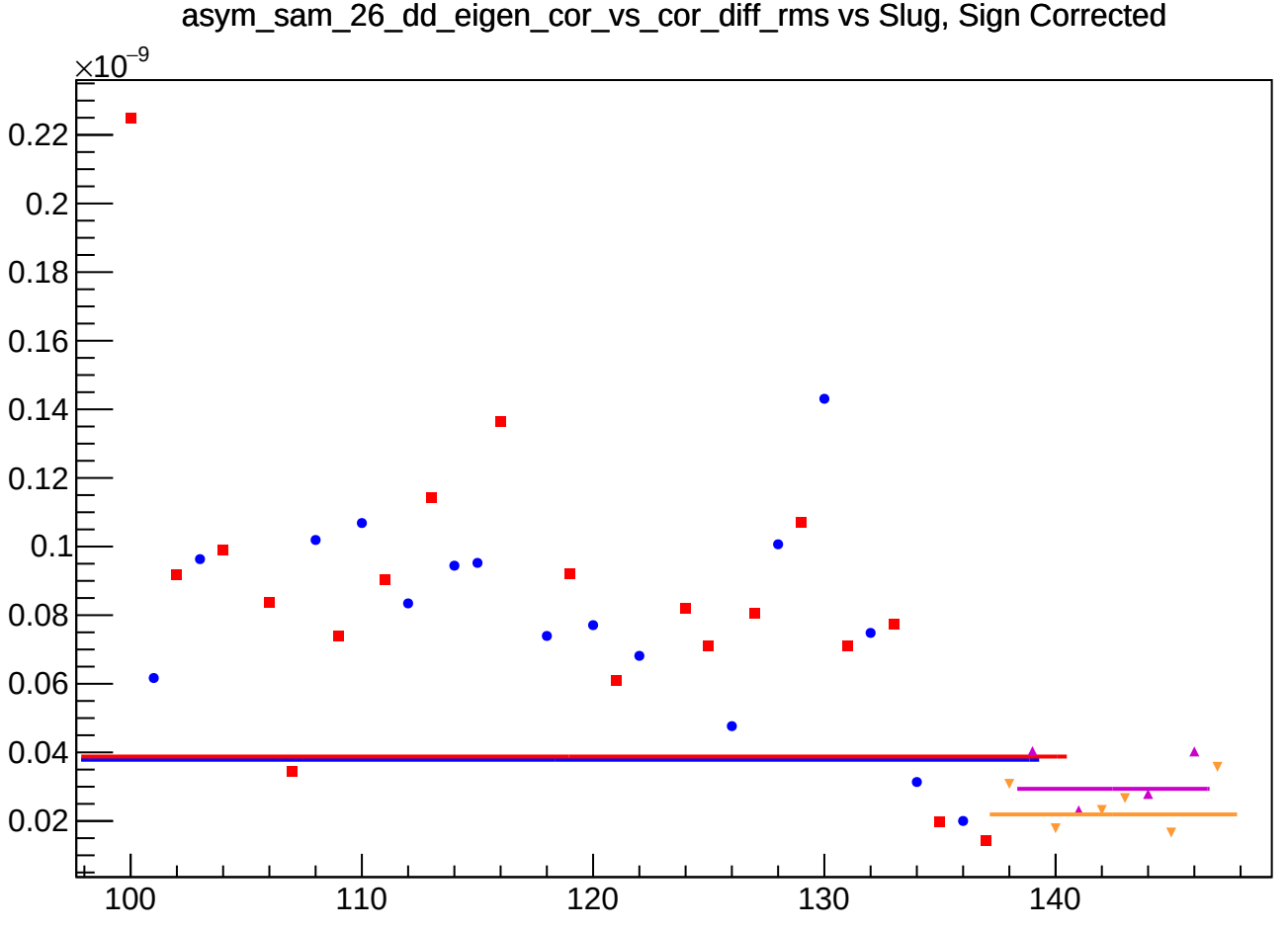
Left: 0.000+/-0.000 χ^2/NDF: 10.0/9

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:23.1/19

Out: 0.000+/-0.000 χ^2/NDF:20.3/24

All: 0.000+/-0.000 χ^2/NDF: 49.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:492325.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:299627.2/3

Left: 0.000+/-0.000 χ^2/NDF: 1018753.9/9

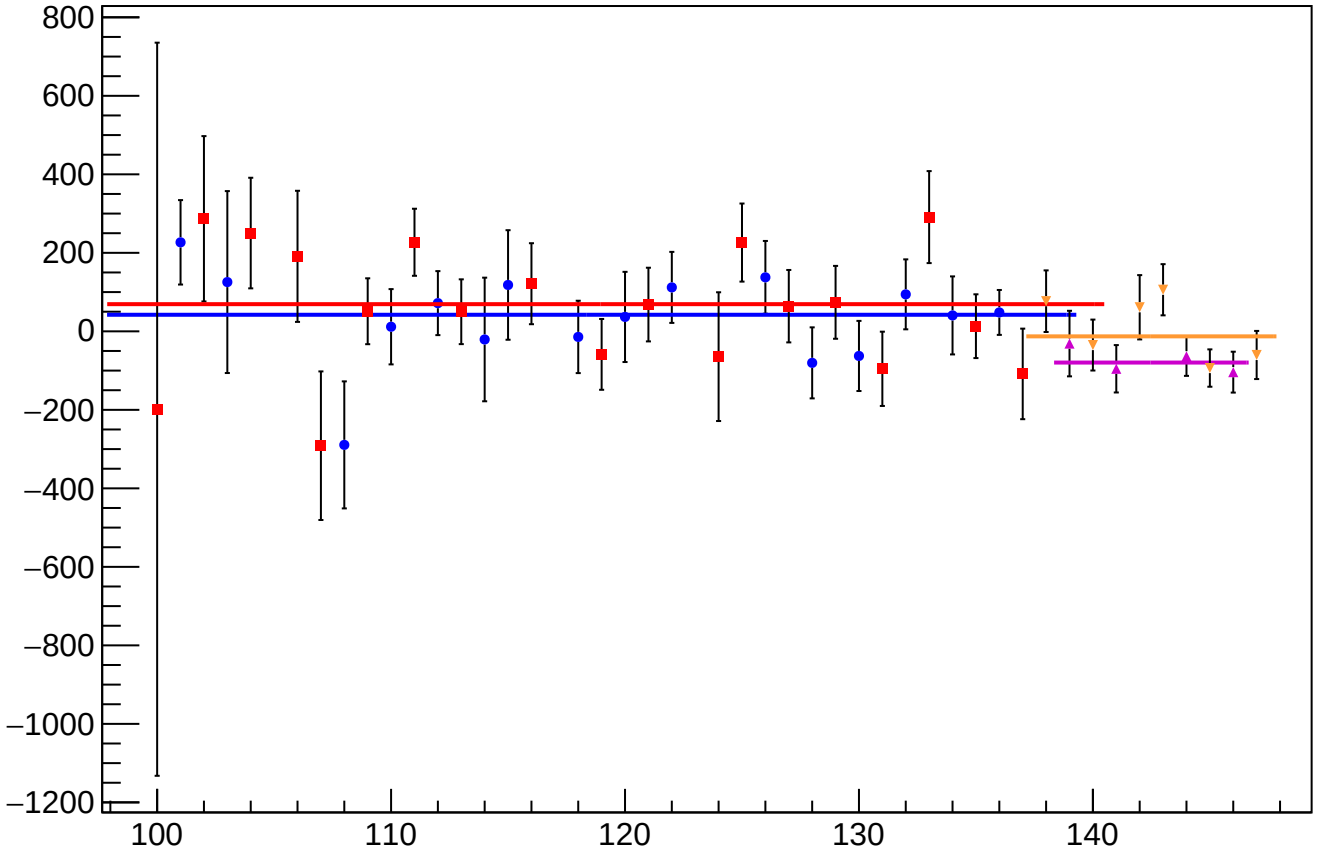
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:3945977.7/19

Out: 0.000+/-0.000 χ^2/NDF:5490443.1/24

All: 0.000+/-0.000 χ^2/NDF: 9765170.5/44

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -12.798+/-25.889 χ^2/NDF:9.0/5

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -79.533+/-29.021 χ^2/NDF:0.7/3

Left: -42.372+/-19.319 χ^2/NDF: 12.7/9

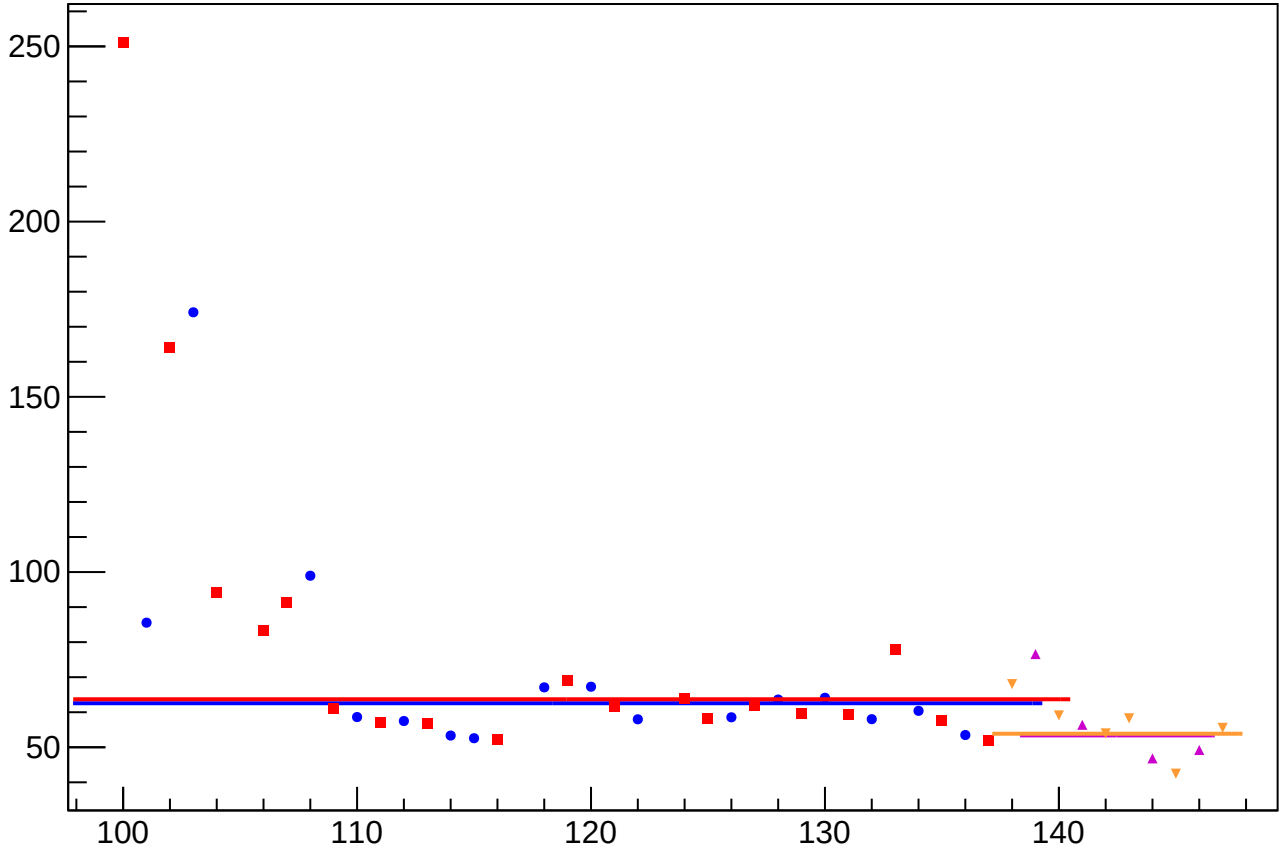
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -7.735+/-18.589 χ^2/NDF:24.7/19

Out: 30.622+/-17.764 χ^2/NDF:39.7/24

All: 12.314+/-12.843 χ^2/NDF: 66.6/44

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 53.865+/-0.018 χ^2/NDF:203452.1/5

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

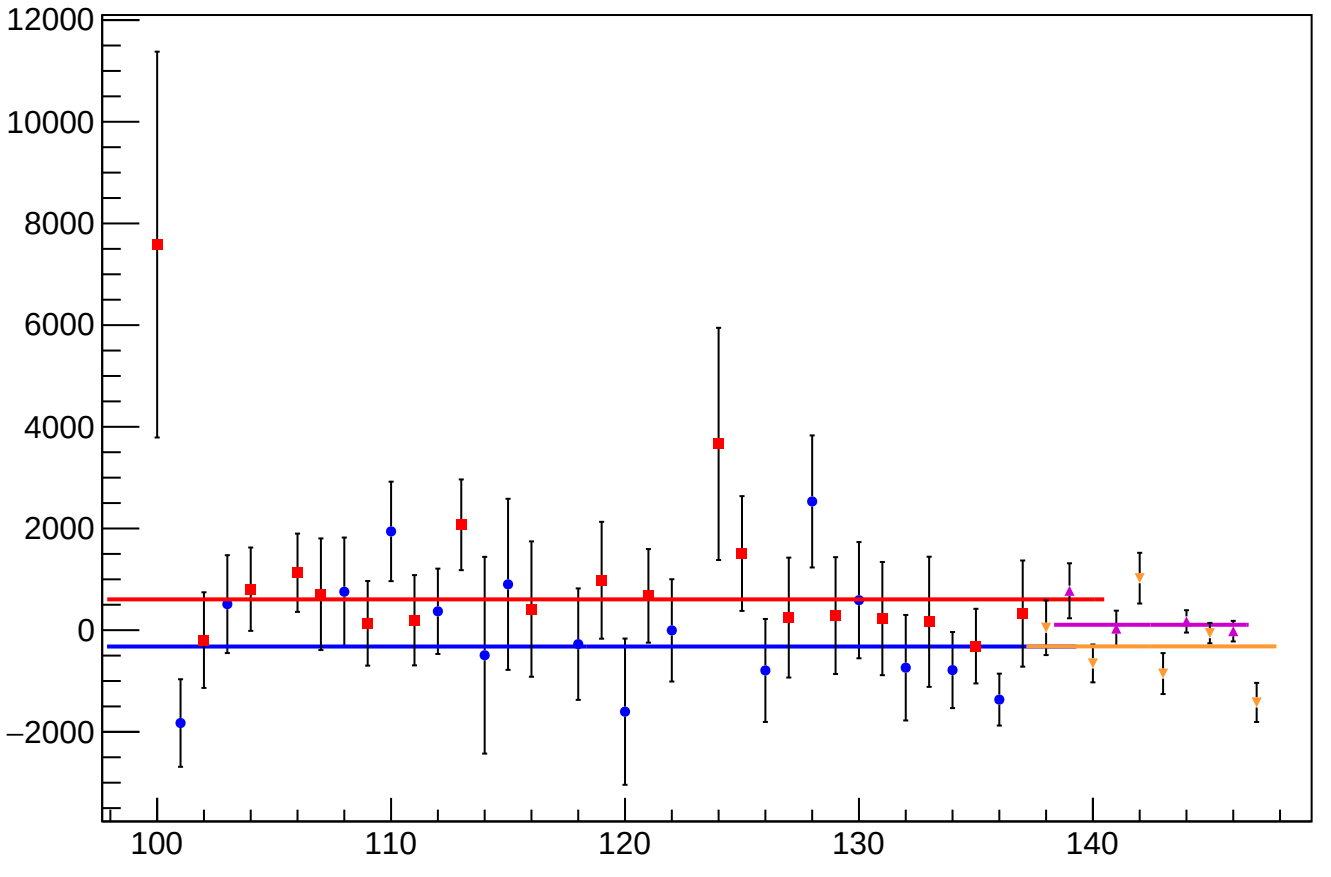
Left: 53.653+/-0.014 χ^2/NDF: 410491.6/9

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 58.800+/-0.013 χ^2/NDF:1083314.4/19

Out: 59.069+/-0.013 χ^2/NDF:1190369.2/24

All: 58.941+/-0.009 χ^2/NDF: 2273903.4/44



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -318.951+/-137.951 χ^2/NDF:20.2/5

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 106.110+/-132.960 χ^2/NDF:2.1/3

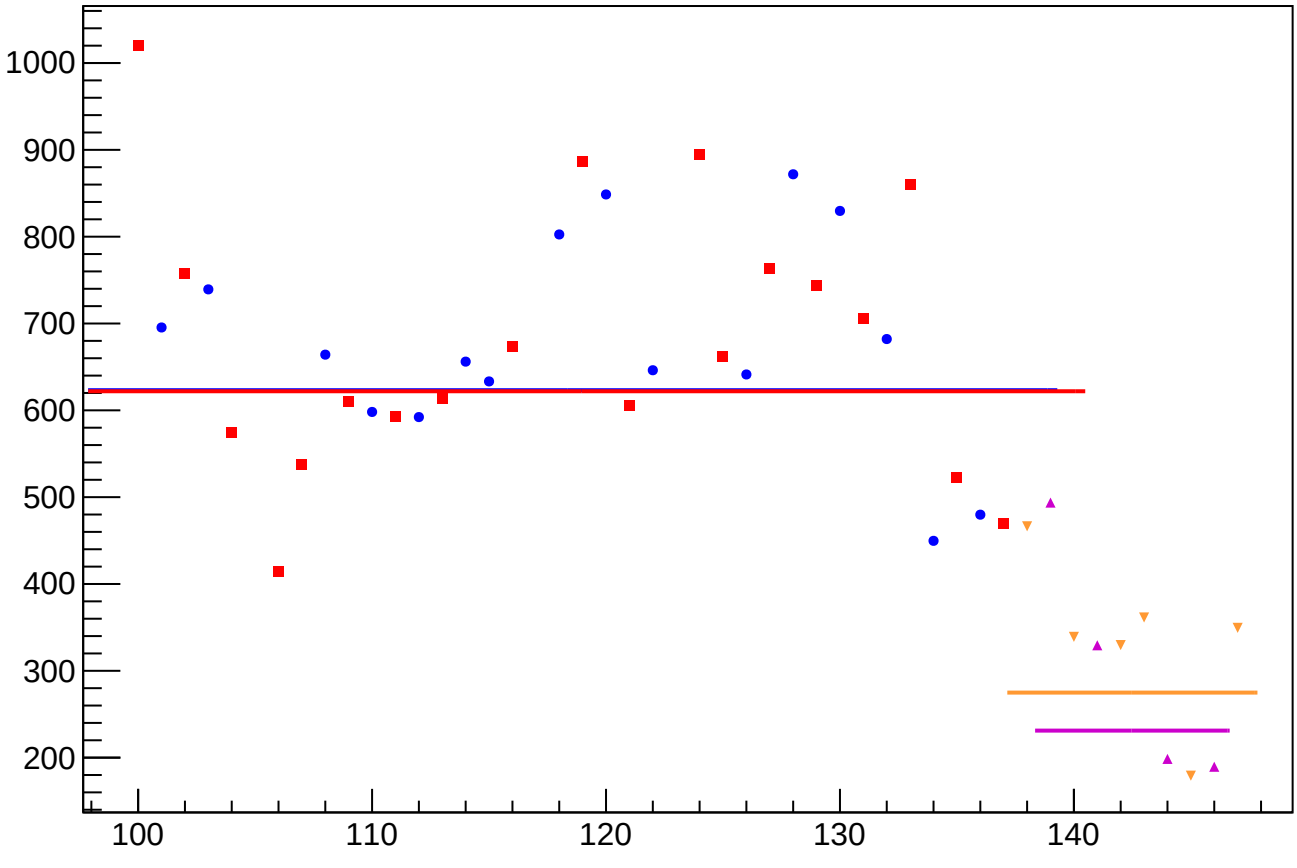
Left: -98.591+/-95.733 χ^2/NDF: 27.2/9

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 4.673+/-116.130 χ^2/NDF:27.2/19

Out: -79.889+/-118.791 χ^2/NDF:44.3/24

All: -36.650+/-83.041 χ^2/NDF: 71.8/44



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 274.915+/-0.098 χ^2/NDF:961505.7/5

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 231.134+/-0.094 χ^2/NDF:755644.4/3

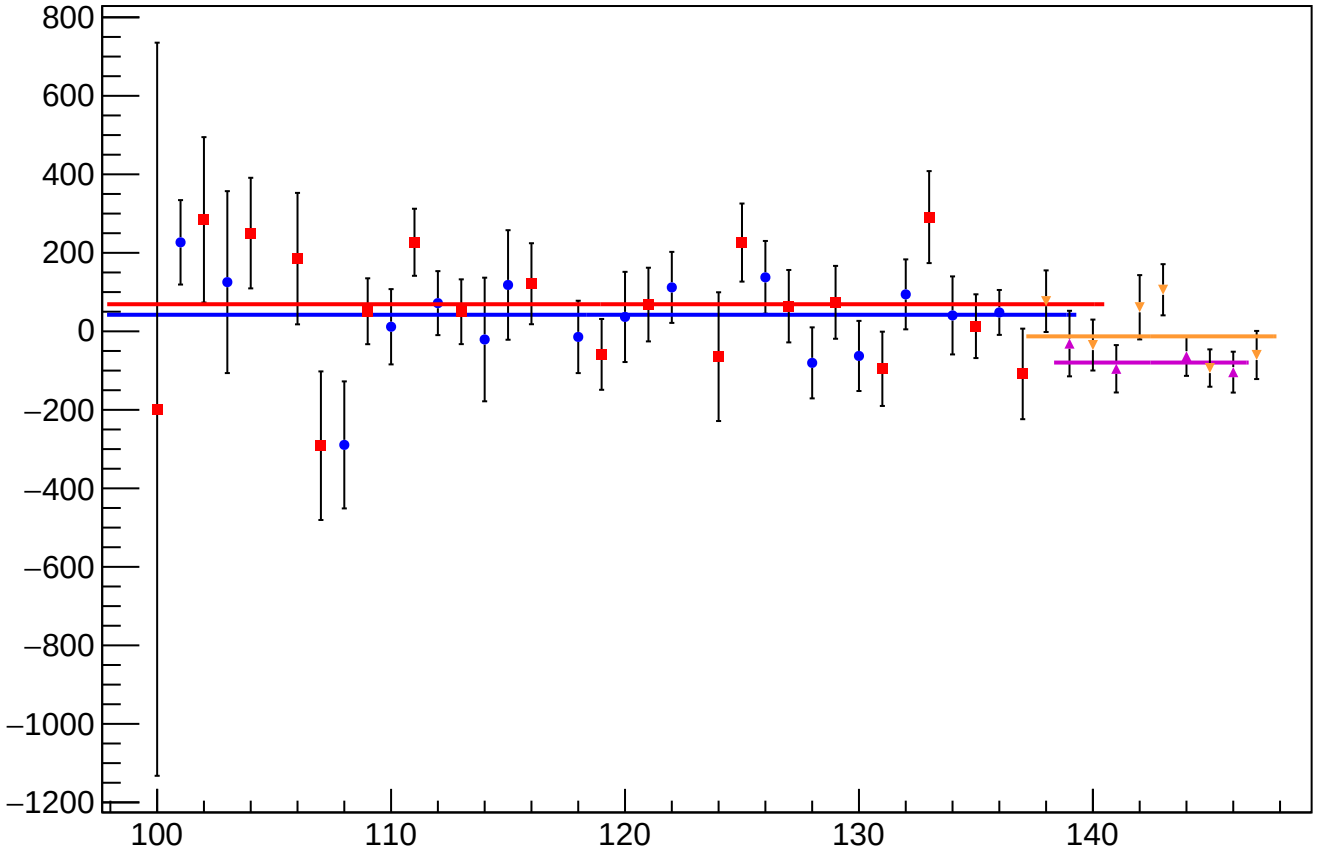
Left: 252.218+/-0.068 χ^2/NDF: 1821581.1/9

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 324.099+/-0.082 χ^2/NDF:5444491.1/19

Out: 364.629+/-0.084 χ^2/NDF:4816339.9/24

All: 343.905+/-0.059 χ^2/NDF: 10379880.9/44



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -12.793+/-25.889 χ^2/NDF:9.0/5

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -79.531+/-29.021 χ^2/NDF:0.7/3

Left: -42.368+/-19.319 χ^2/NDF: 12.7/9

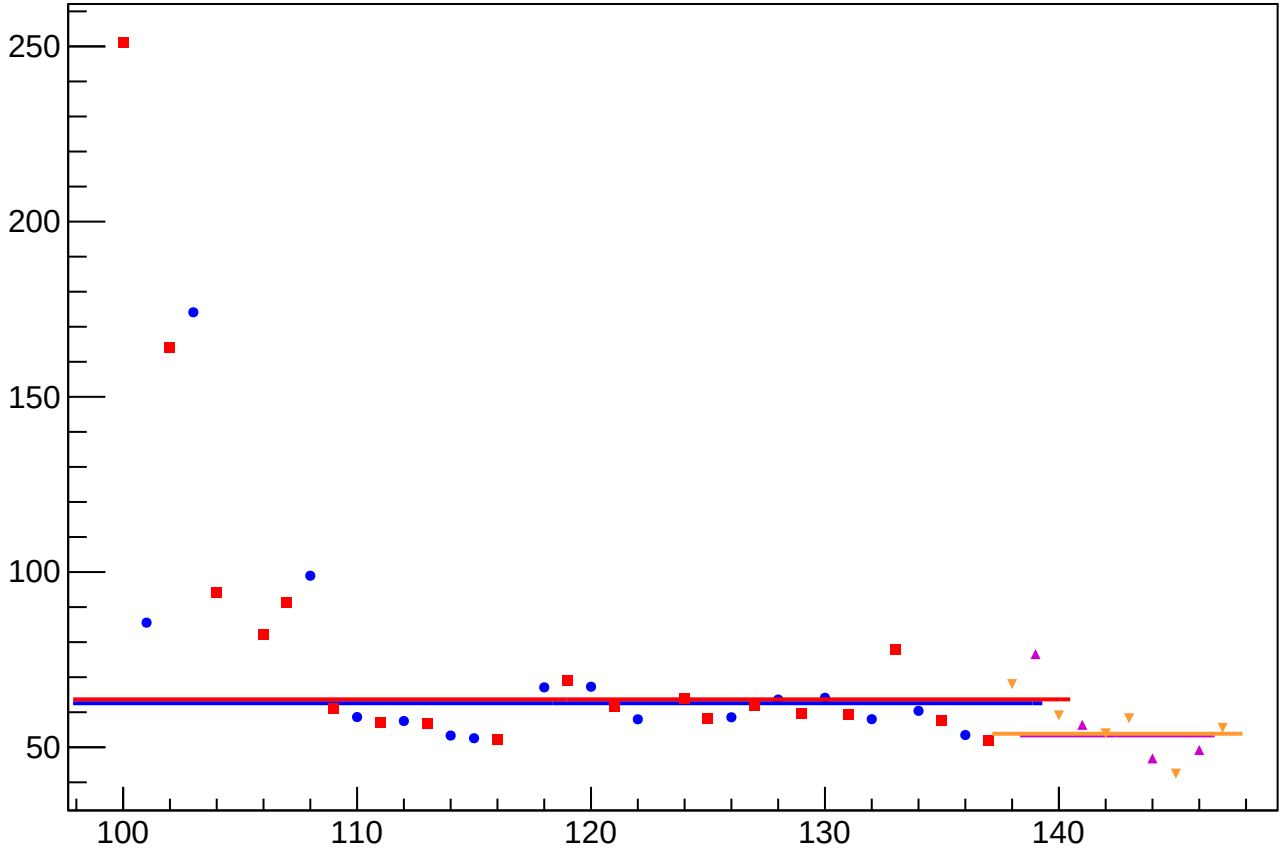
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.738+/-18.589 χ^2/NDF:24.7/19

Out: 30.526+/-17.764 χ^2/NDF:39.6/24

All: 12.262+/-12.843 χ^2/NDF: 66.5/44

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.865+/-0.018 χ^2/NDF:203452.1/5

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

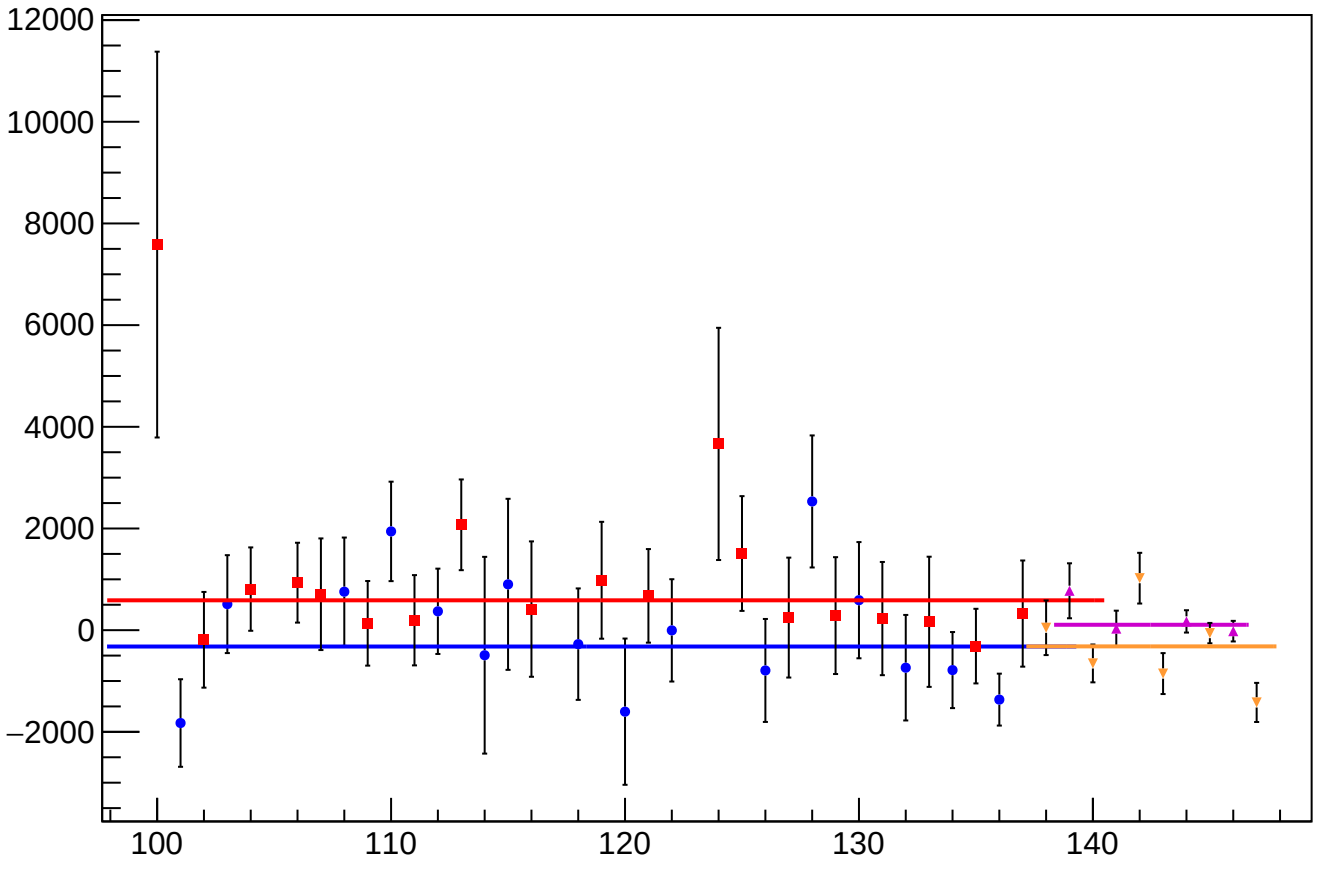
Left: 53.653+/-0.014 χ^2/NDF: 410491.6/9

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.800+/-0.013 χ^2/NDF:1083316.4/19

Out: 59.056+/-0.013 χ^2/NDF:1186864.0/24

All: 58.934+/-0.009 χ^2/NDF: 2270379.4/44



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -318.947+/-137.951 χ^2/NDF:20.2/5

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 106.115+/-132.960 χ^2/NDF:2.1/3

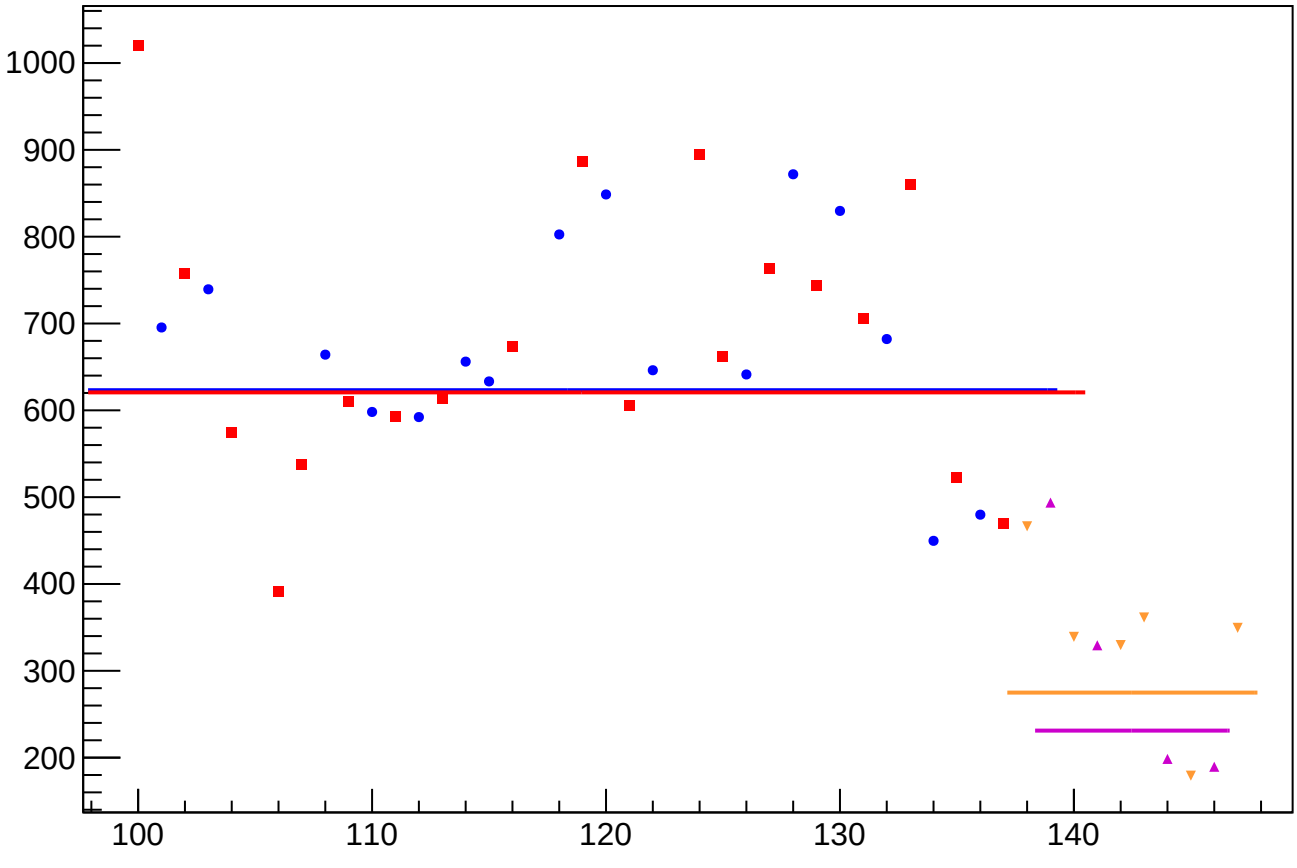
Left: -98.586+/-95.733 χ^2/NDF: 27.2/9

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 4.679+/-116.131 χ^2/NDF:27.2/19

Out: -85.351+/-118.848 χ^2/NDF:43.5/24

All: -39.295+/-83.061 χ^2/NDF: 71.0/44



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 274.914+/-0.098 χ^2/NDF:961510.6/5

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 231.133+/-0.094 χ^2/NDF:755647.5/3

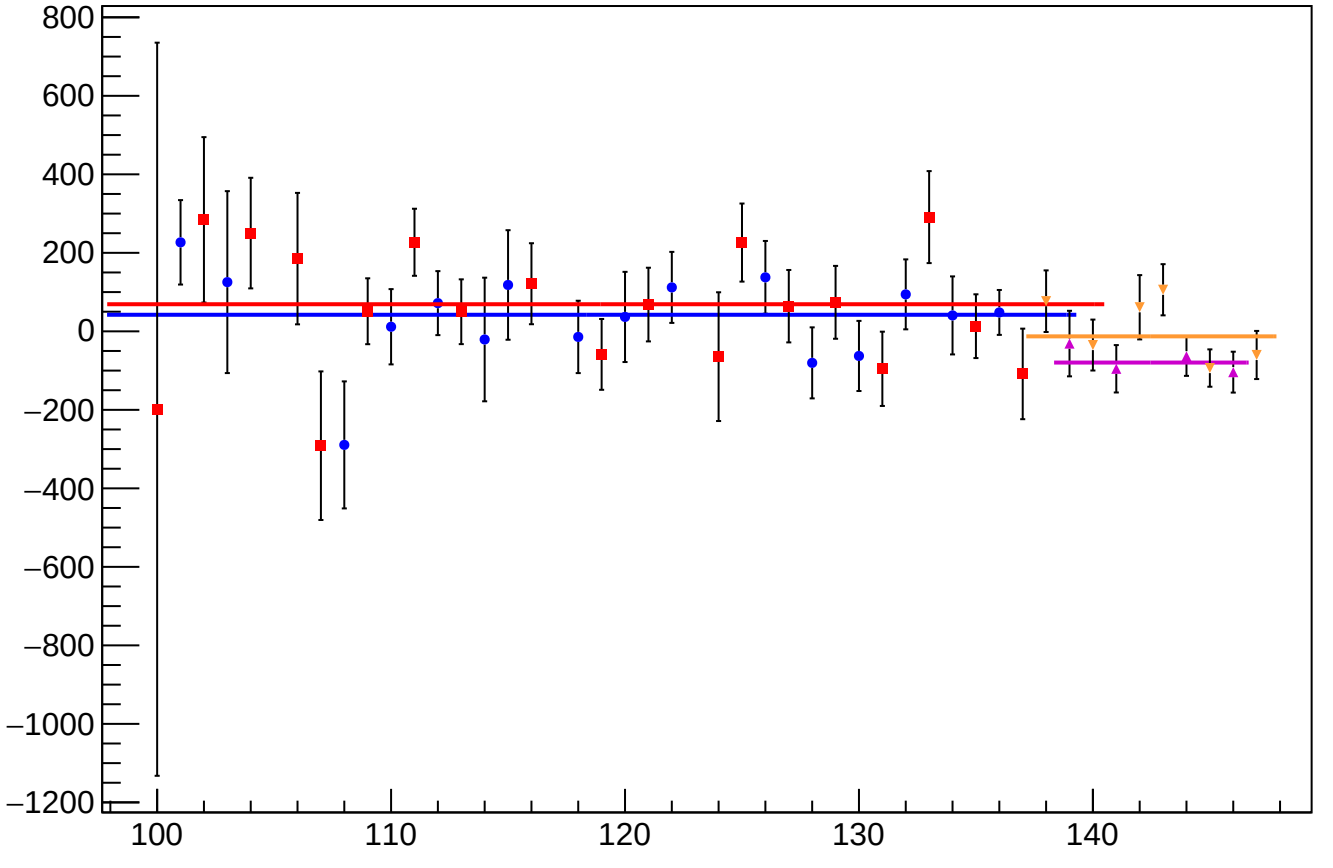
Left: 252.217+/-0.068 χ^2/NDF: 1821589.0/9

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 324.098+/-0.082 χ^2/NDF:5444556.4/19

Out: 364.045+/-0.084 χ^2/NDF:4810793.6/24

All: 343.610+/-0.059 χ^2/NDF: 10370939.0/44



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -12.793+/-25.889 χ^2/NDF:9.0/5

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -79.531+/-29.021 χ^2/NDF:0.7/3

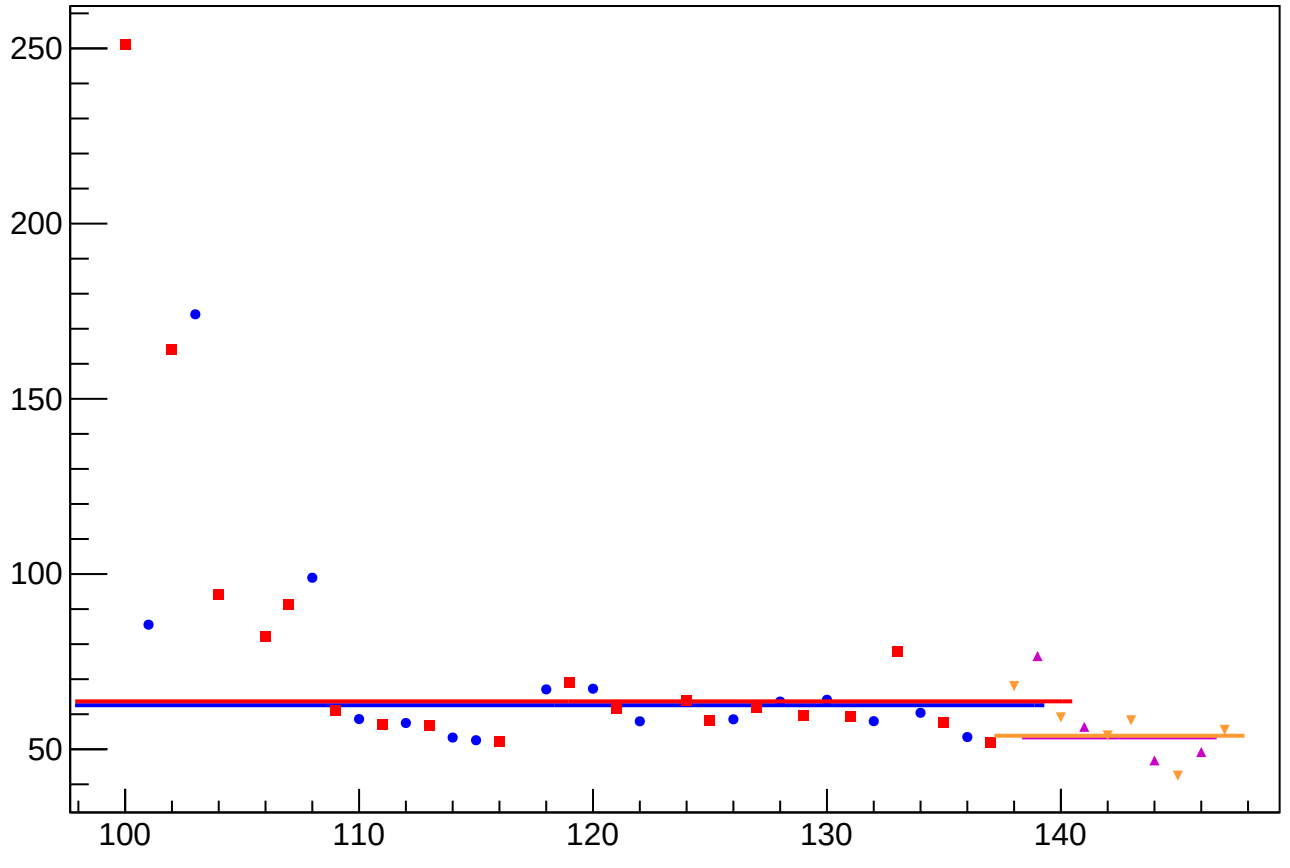
Left: -42.368+/-19.319 χ^2/NDF: 12.7/9

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -7.738+/-18.589 χ^2/NDF:24.7/19

Out: 30.526+/-17.764 χ^2/NDF:39.6/24

All: 12.262+/-12.843 χ^2/NDF: 66.5/44



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.865+/-0.018 χ^2/NDF:203452.1/5

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.387+/-0.021 χ^2/NDF:206738.0/3

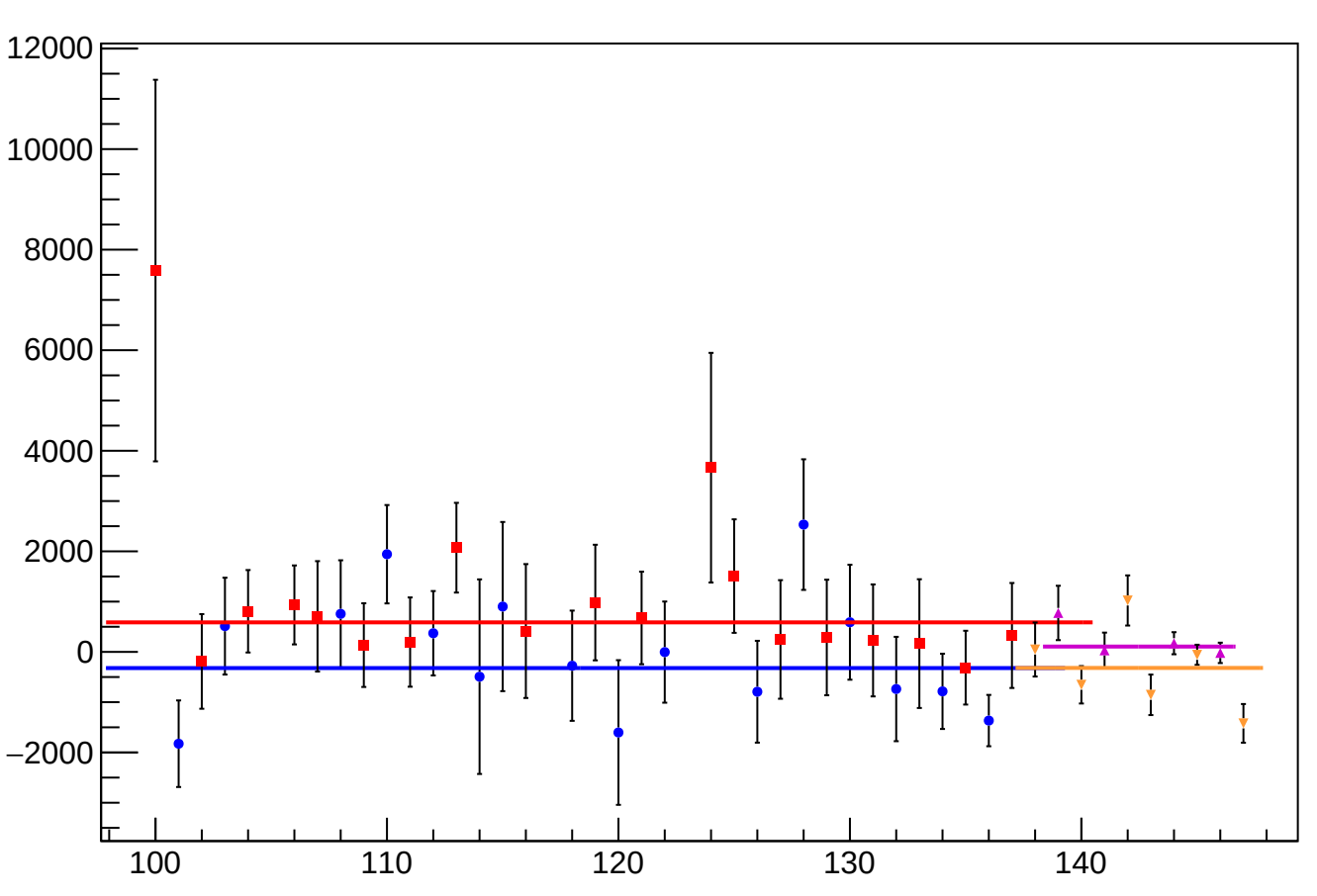
Left: 53.653+/-0.014 χ^2/NDF: 410491.6/9

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.800+/-0.013 χ^2/NDF:1083316.4/19

Out: 59.056+/-0.013 χ^2/NDF:1186864.0/24

All: 58.934+/-0.009 χ^2/NDF: 2270379.4/44



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -318.947+/-137.951 χ^2/NDF:20.2/5

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 106.115+/-132.960 χ^2/NDF:2.1/3

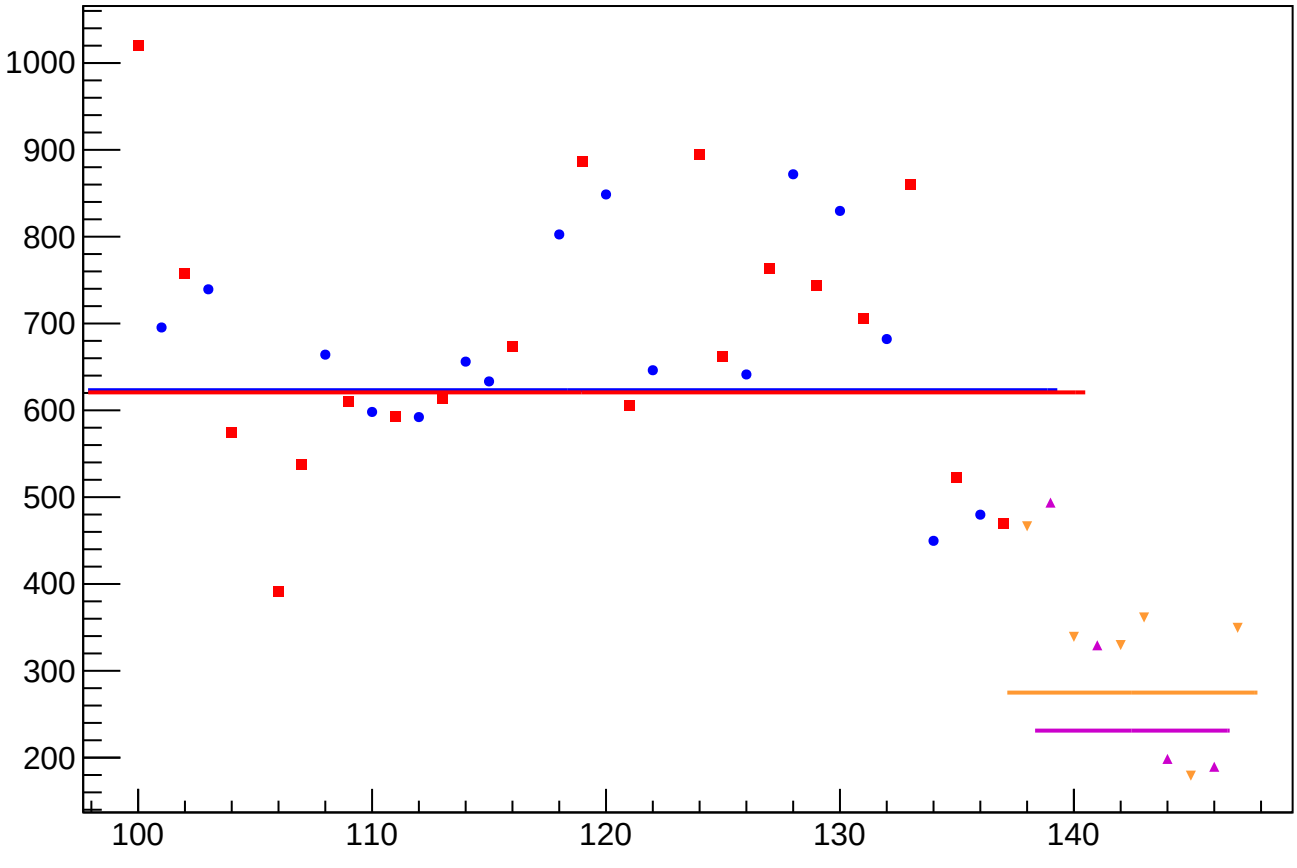
Left: -98.586+/-95.733 χ^2/NDF: 27.2/9

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 4.679+/-116.131 χ^2/NDF:27.2/19

Out: -85.351+/-118.848 χ^2/NDF:43.5/24

All: -39.295+/-83.061 χ^2/NDF: 71.0/44



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 274.914+/-0.098 χ^2/NDF:961510.6/5

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 231.133+/-0.094 χ^2/NDF:755647.5/3

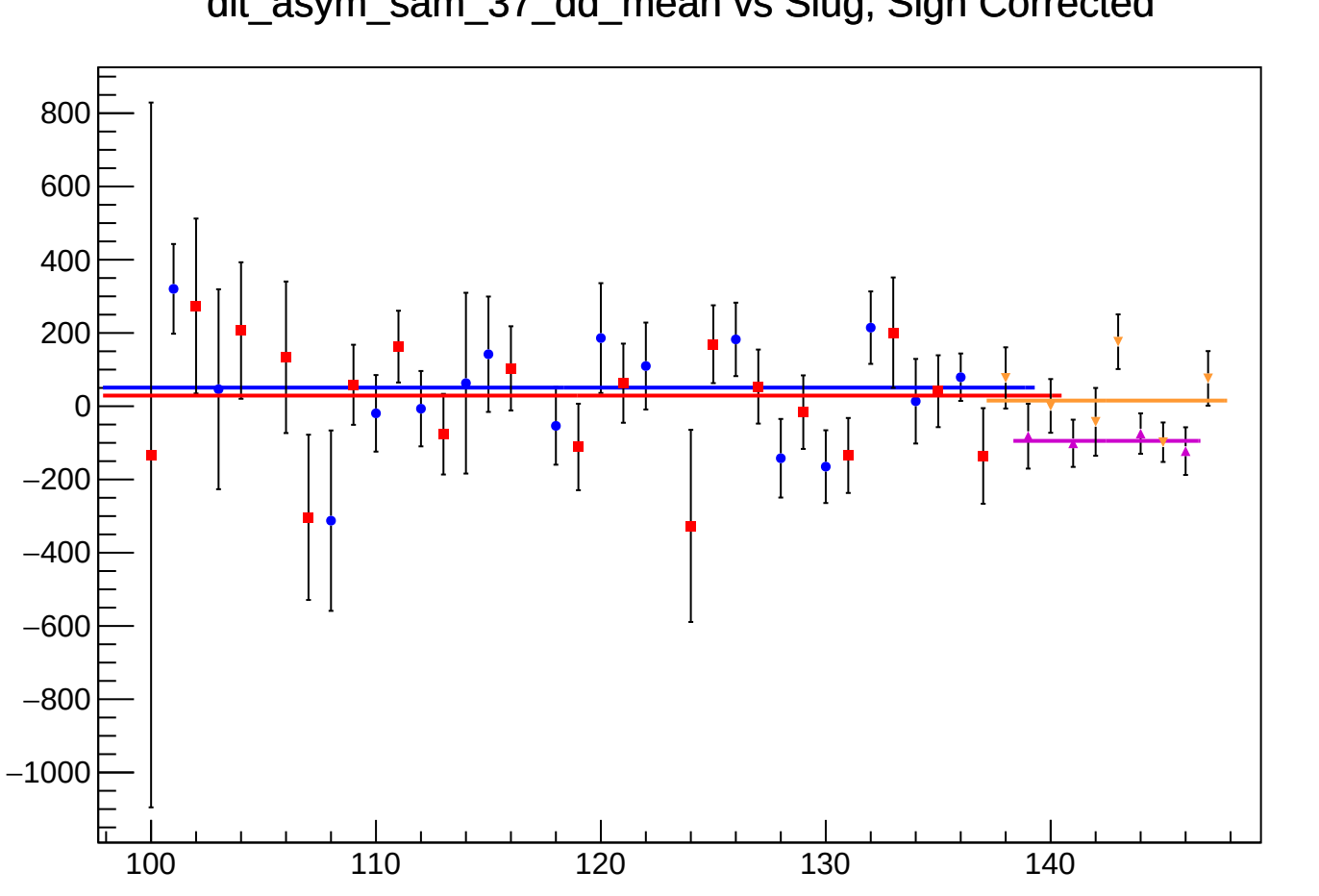
Left: 252.217+/-0.068 χ^2/NDF: 1821589.0/9

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 324.098+/-0.082 χ^2/NDF:5444556.4/19

Out: 364.045+/-0.084 χ^2/NDF:4810793.6/24

All: 343.610+/-0.059 χ^2/NDF: 10370939.0/44



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 15.406+/-29.486 χ^2/NDF:10.7/5

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -94.597+/-32.736 χ^2/NDF:0.3/3

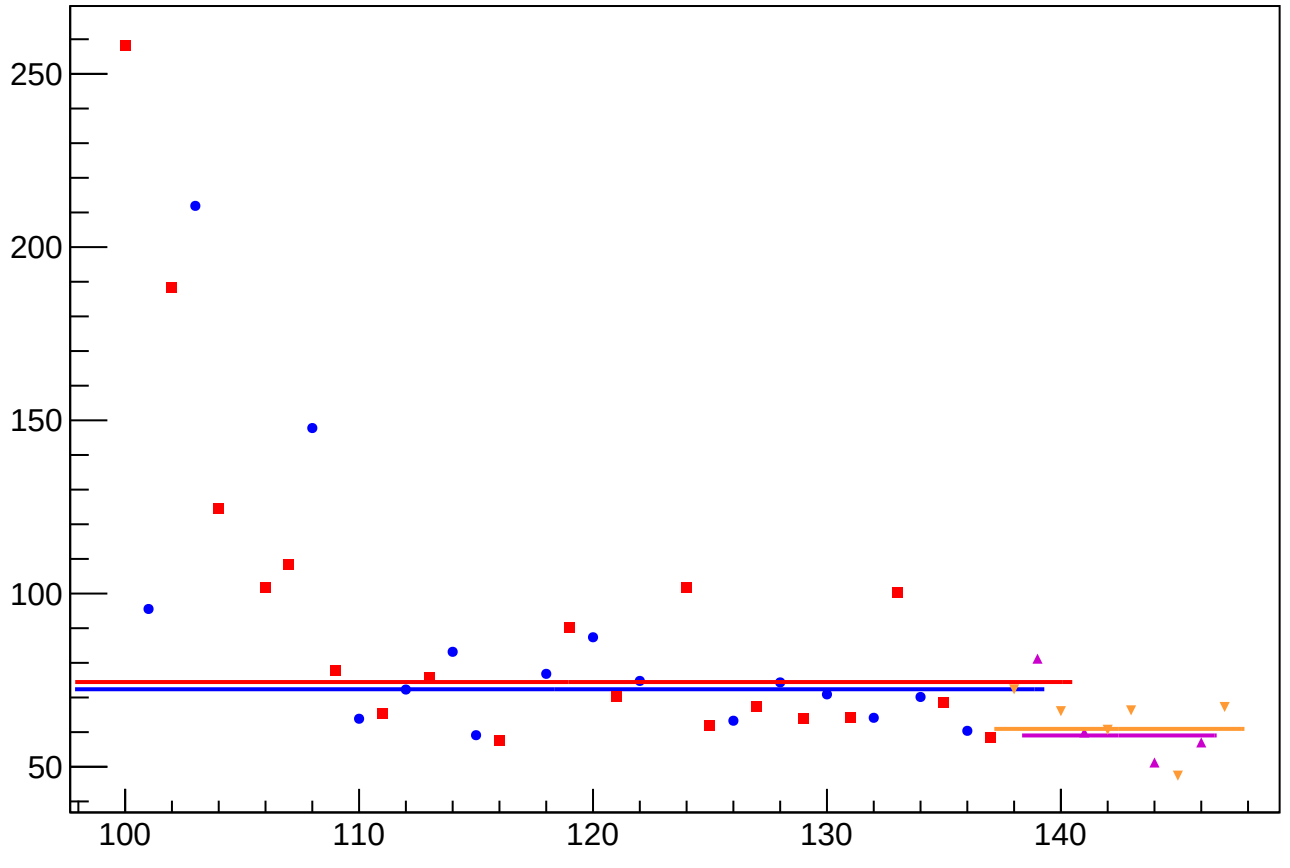
Left: -33.864+/-21.909 χ^2/NDF: 17.3/9

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -11.404+/-21.416 χ^2/NDF:34.5/19

Out: 22.357+/-20.643 χ^2/NDF:29.3/24

All: 6.097+/-14.863 χ^2/NDF: 65.1/44



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.939+/-0.021 χ^2/NDF:197327.7/5

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 59.040+/-0.023 χ^2/NDF:167626.2/3

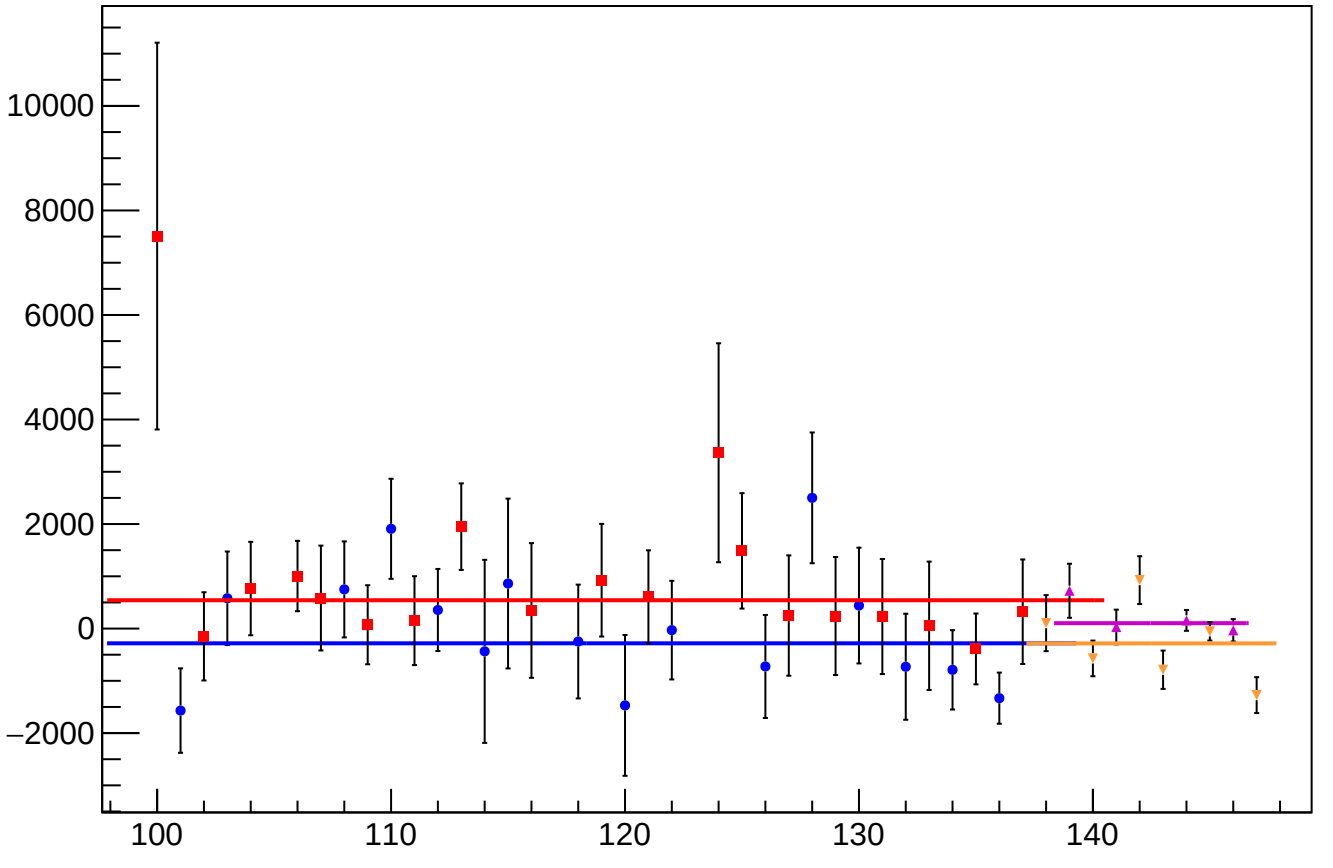
Left: 60.089+/-0.015 χ^2/NDF: 368671.6/9

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 66.669+/-0.015 χ^2/NDF:1295718.5/19

Out: 67.835+/-0.015 χ^2/NDF:1464150.0/24

All: 67.273+/-0.011 χ^2/NDF: 2762938.2/44



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -283.821+/-123.796 χ^2/NDF:20.1/5

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 103.341+/-129.136 χ^2/NDF:2.0/3

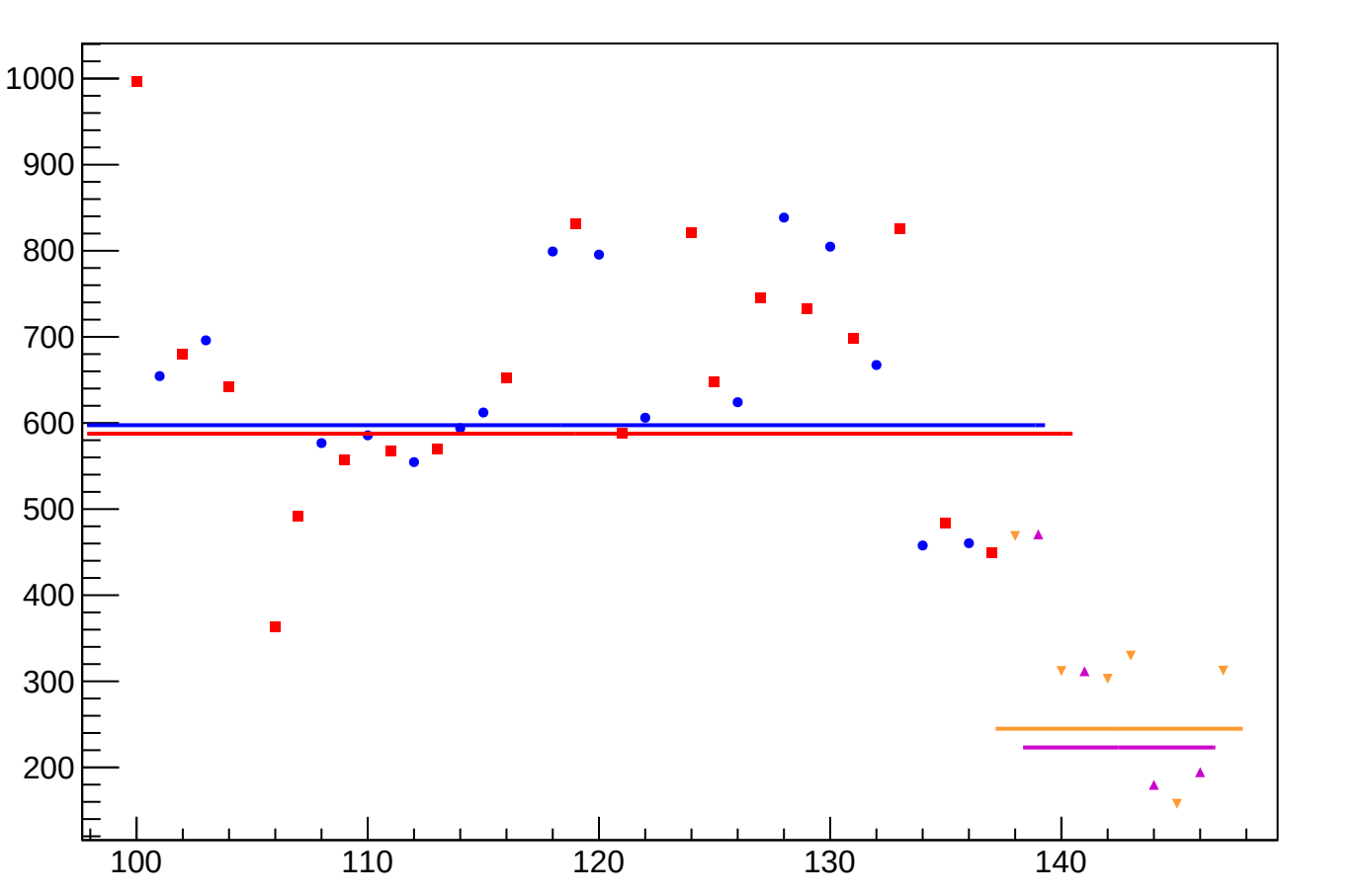
Left: -98.411+/-89.365 χ^2/NDF: 26.8/9

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 9.610+/-112.339 χ^2/NDF:26.9/19

Out: -86.447+/-107.994 χ^2/NDF:44.0/24

All: -40.313+/-77.854 χ^2/NDF: 71.3/44



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 244.921+/-0.088 χ^2/NDF:1135723.2/5

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 223.172+/-0.091 χ^2/NDF:731309.2/3

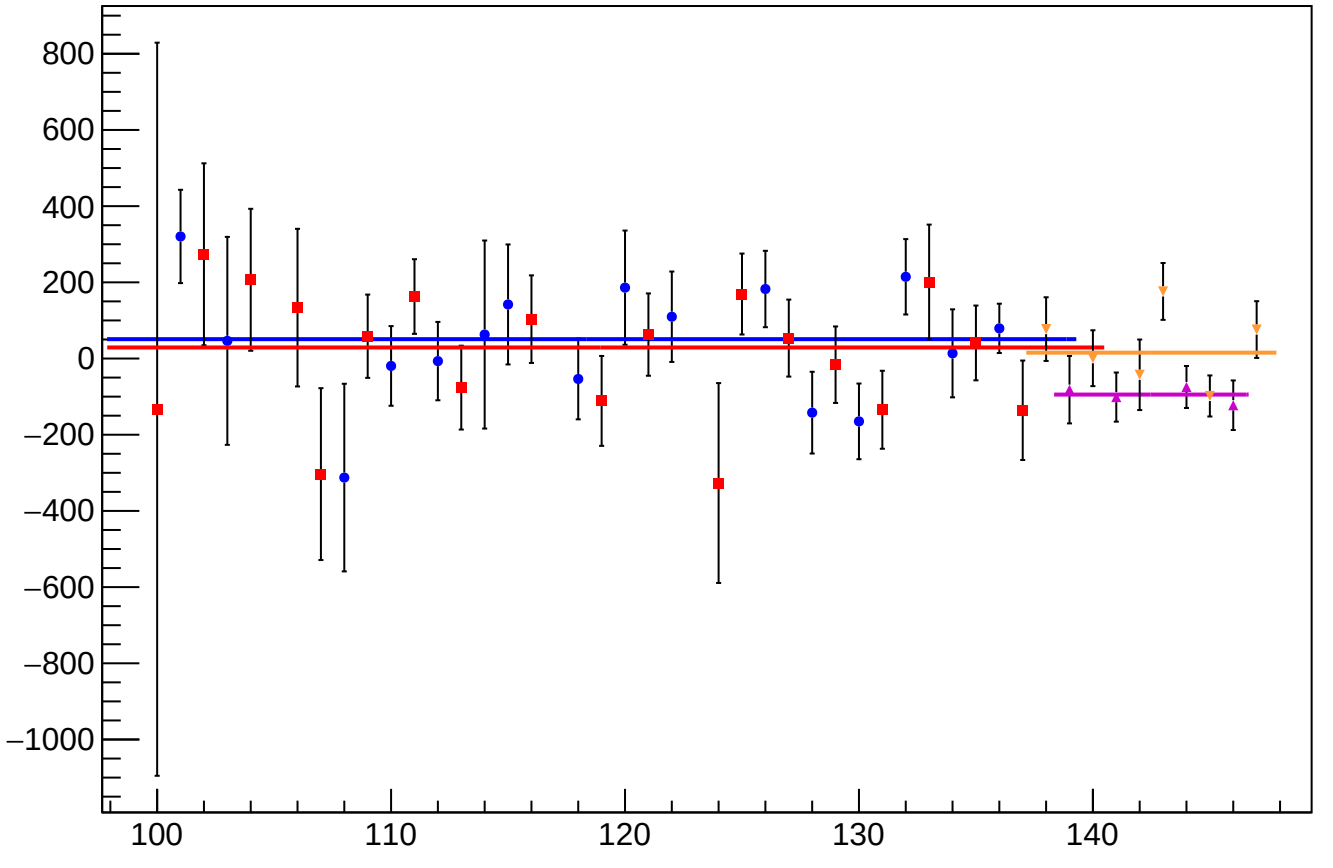
Left: 234.506+/-0.063 χ^2/NDF: 1896594.2/9

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 314.201+/-0.079 χ^2/NDF:5351059.2/19

Out: 326.811+/-0.076 χ^2/NDF:5486567.3/24

All: 320.755+/-0.055 χ^2/NDF: 10850724.5/44



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 15.407+/-29.486 χ^2/NDF:10.7/5

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -94.596+/-32.736 χ^2/NDF:0.3/3

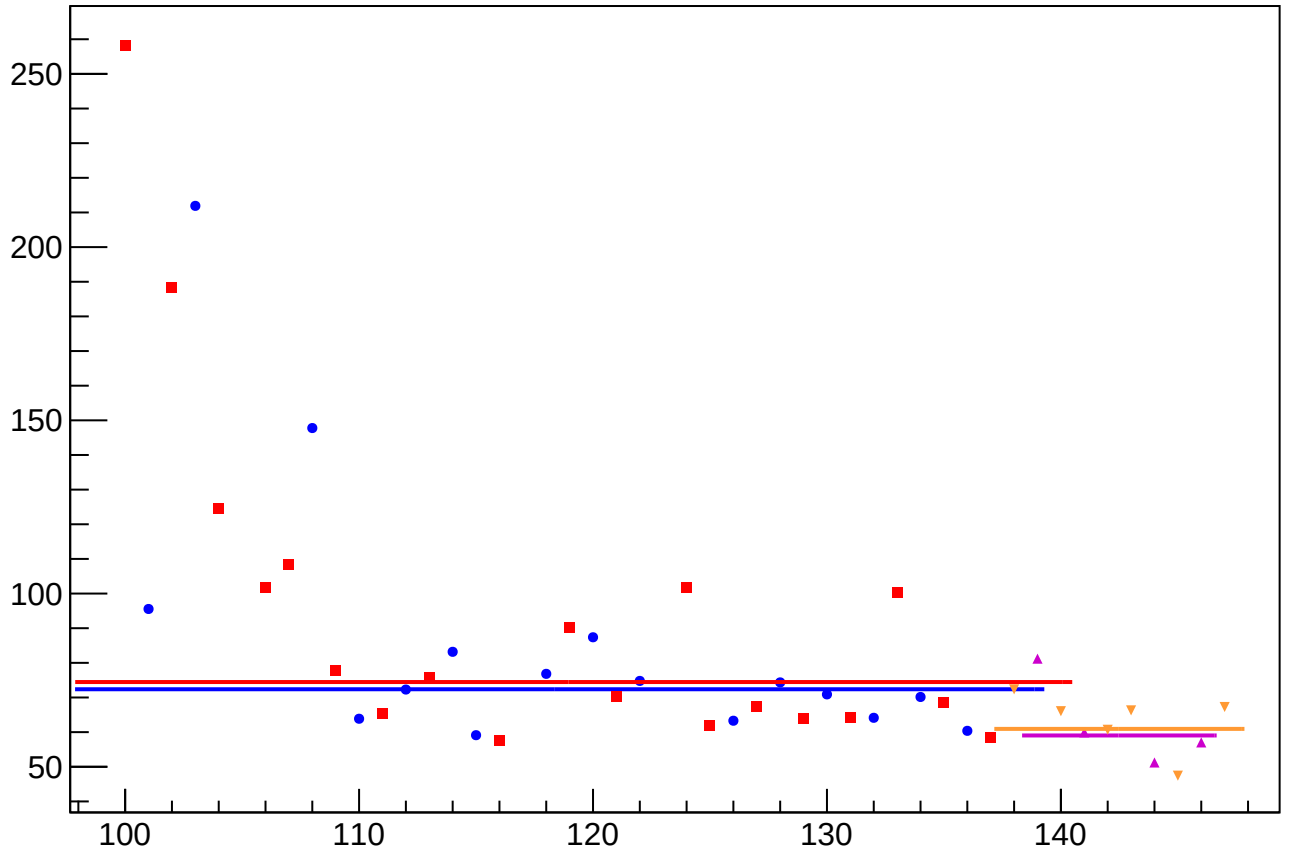
Left: -33.863+/-21.909 χ^2/NDF: 17.3/9

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -11.404+/-21.416 χ^2/NDF:34.5/19

Out: 22.357+/-20.643 χ^2/NDF:29.3/24

All: 6.097+/-14.863 χ^2/NDF: 65.1/44



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.939+/-0.021 χ^2/NDF:197335.9/5

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 59.040+/-0.023 χ^2/NDF:167626.8/3

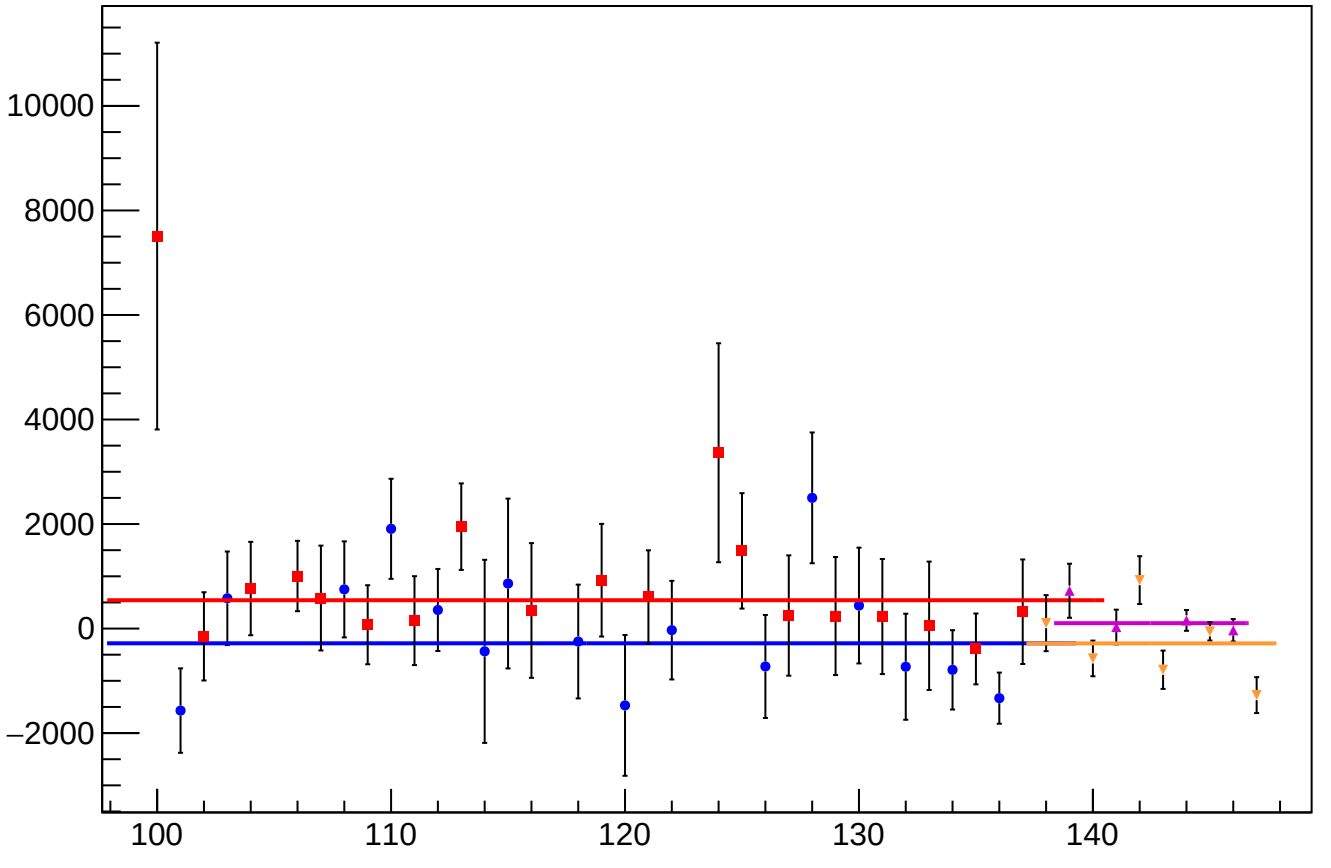
Left: 60.089+/-0.015 χ^2/NDF: 368681.1/9

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 66.669+/-0.015 χ^2/NDF:1295723.1/19

Out: 67.835+/-0.015 χ^2/NDF:1464147.7/24

All: 67.273+/-0.011 χ^2/NDF: 2762941.3/44



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -283.822+/-123.795 χ^2/NDF:20.1/5

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 103.341+/-129.136 χ^2/NDF:2.0/3

Left: -98.411+/-89.365 χ^2/NDF: 26.8/9

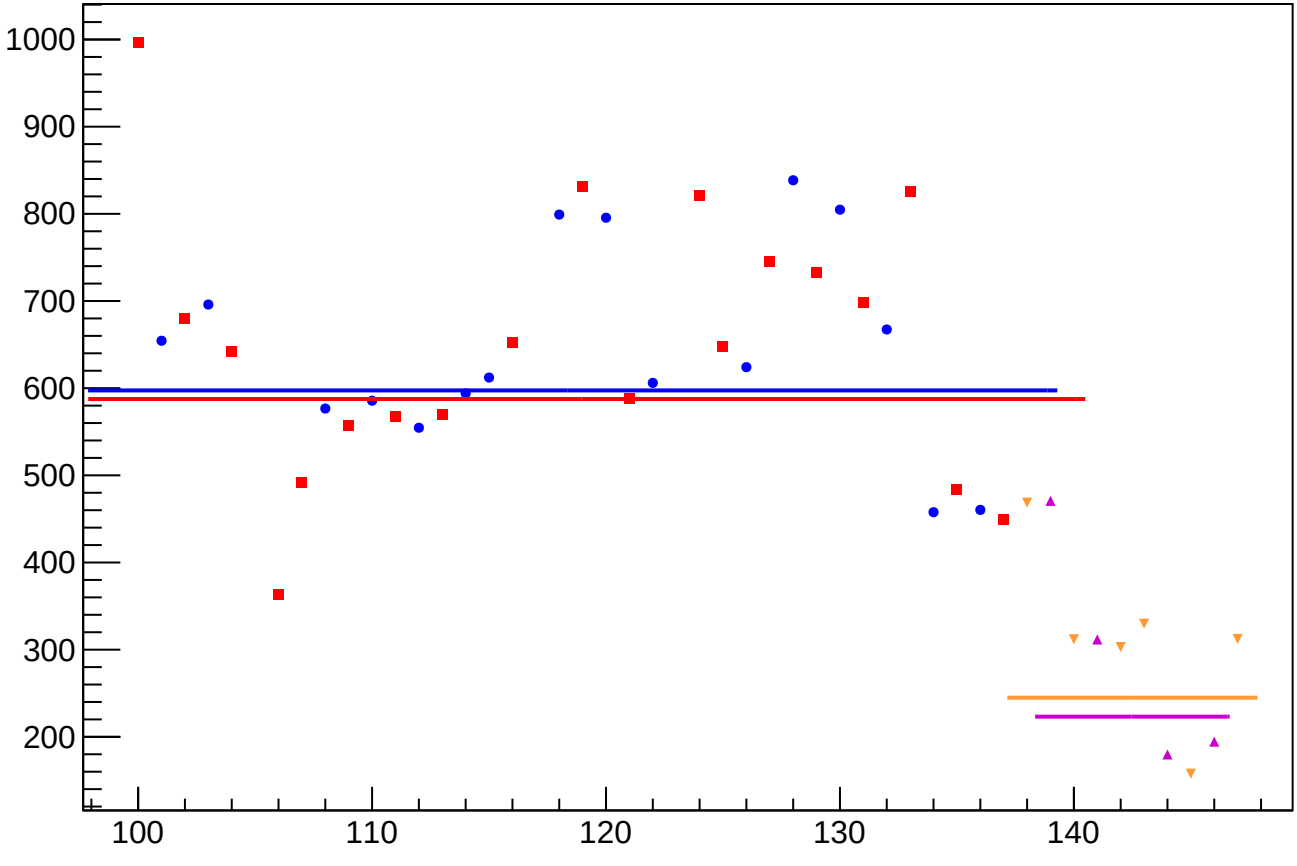
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 9.610+/-112.339 χ^2/NDF:26.9/19

Out: -86.447+/-107.994 χ^2/NDF:44.0/24

All: -40.313+/-77.854 χ^2/NDF: 71.3/44

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: 244.921+/-0.088 χ^2/NDF:1135720.1/5

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 223.172+/-0.091 χ^2/NDF:731309.7/3

Left: 234.506+/-0.063 χ^2/NDF: 1896592.0/9

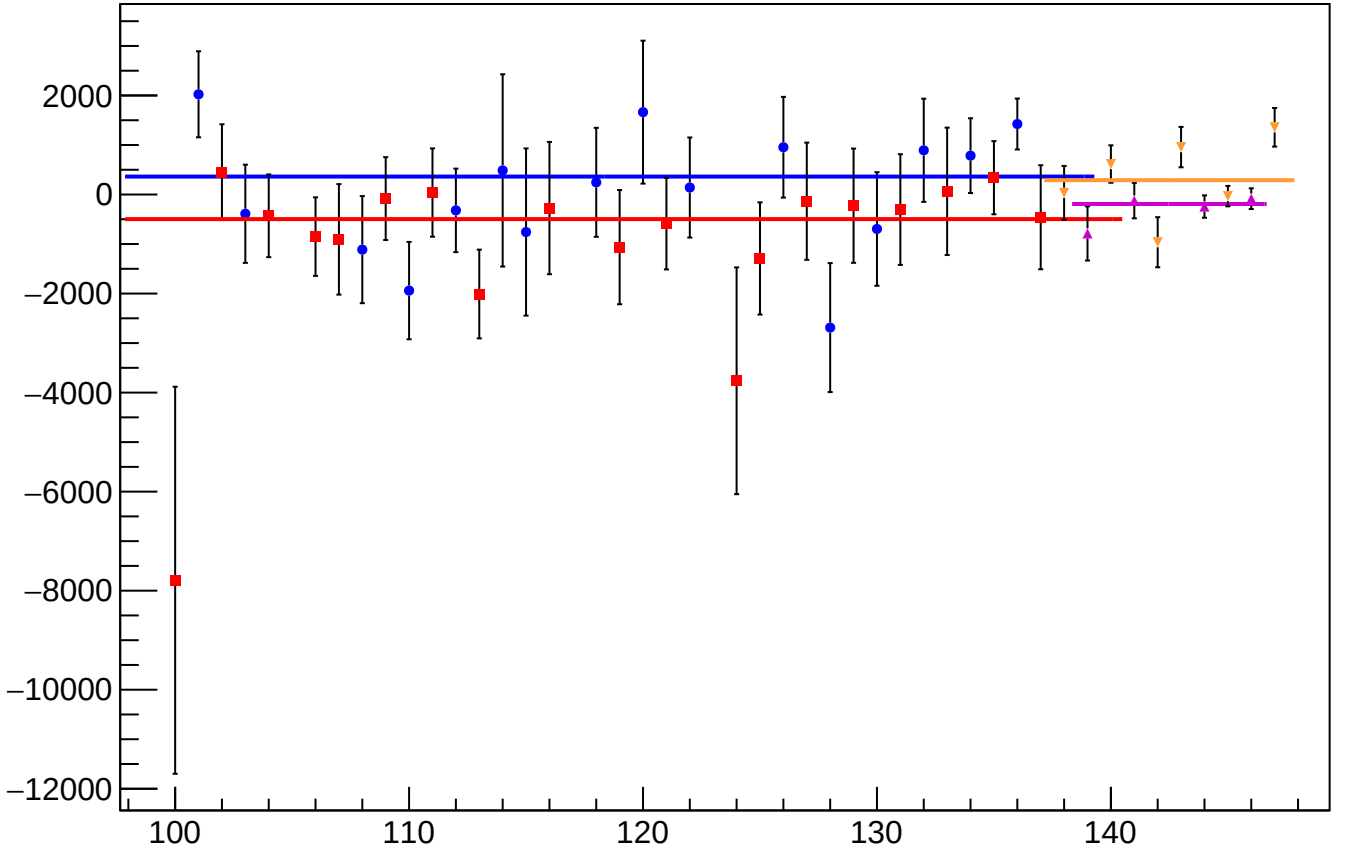
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 314.201+/-0.079 χ^2/NDF:5351064.5/19

Out: 326.811+/-0.076 χ^2/NDF:5486559.4/24

All: 320.755+/-0.055 χ^2/NDF: 10850722.1/44

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 289.093+/-140.771 χ^2/NDF:19.7/5

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -191.682+/-136.643 χ^2/NDF:1.5/3

Left: 41.553+/-98.048 χ^2/NDF: 27.3/9

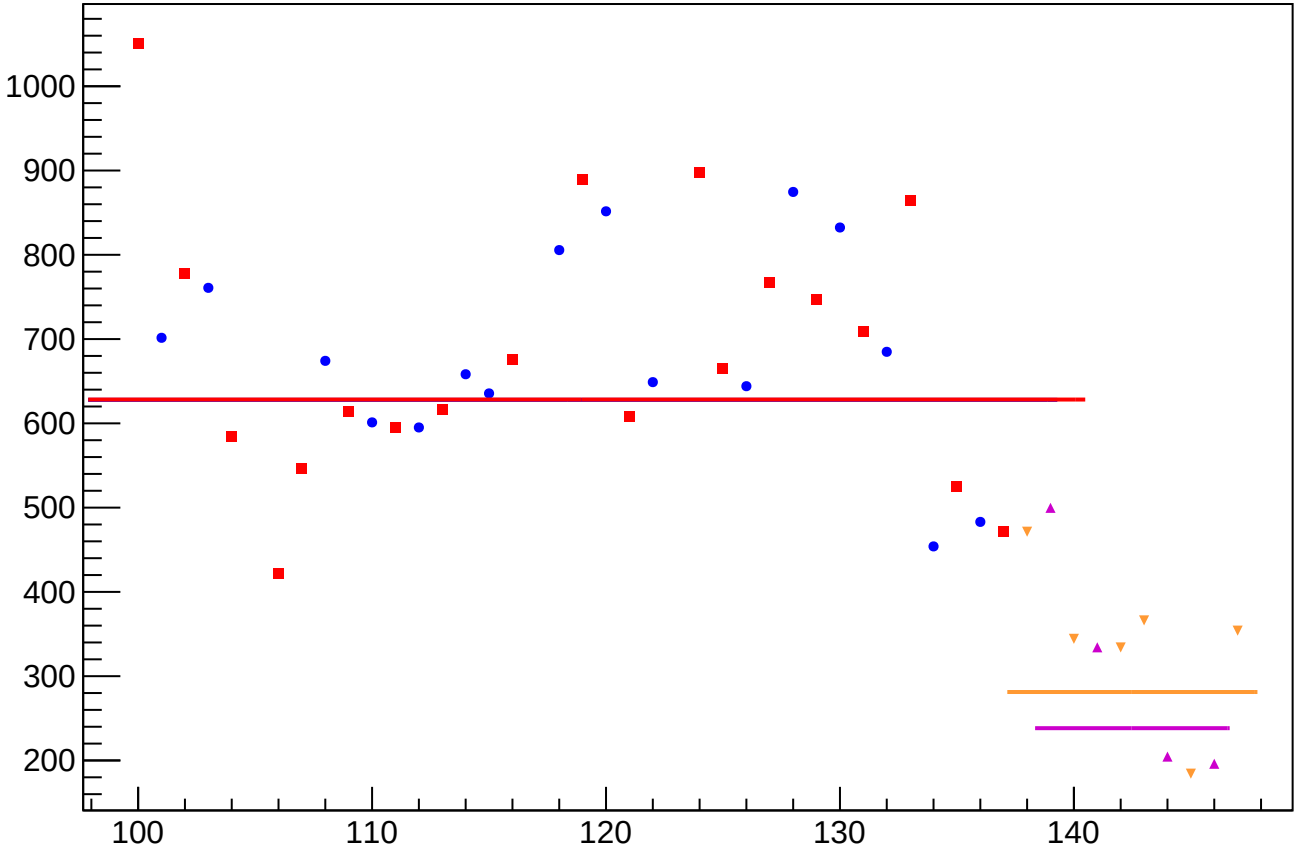
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -56.304+/-118.782 χ^2/NDF:30.6/19

Out: 82.933+/-120.901 χ^2/NDF:40.6/24

All: 12.084+/-84.731 χ^2/NDF: 71.9/44

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 281.223+/-0.100 χ^2/NDF:922130.8/5

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 238.299+/-0.097 χ^2/NDF:726448.2/3

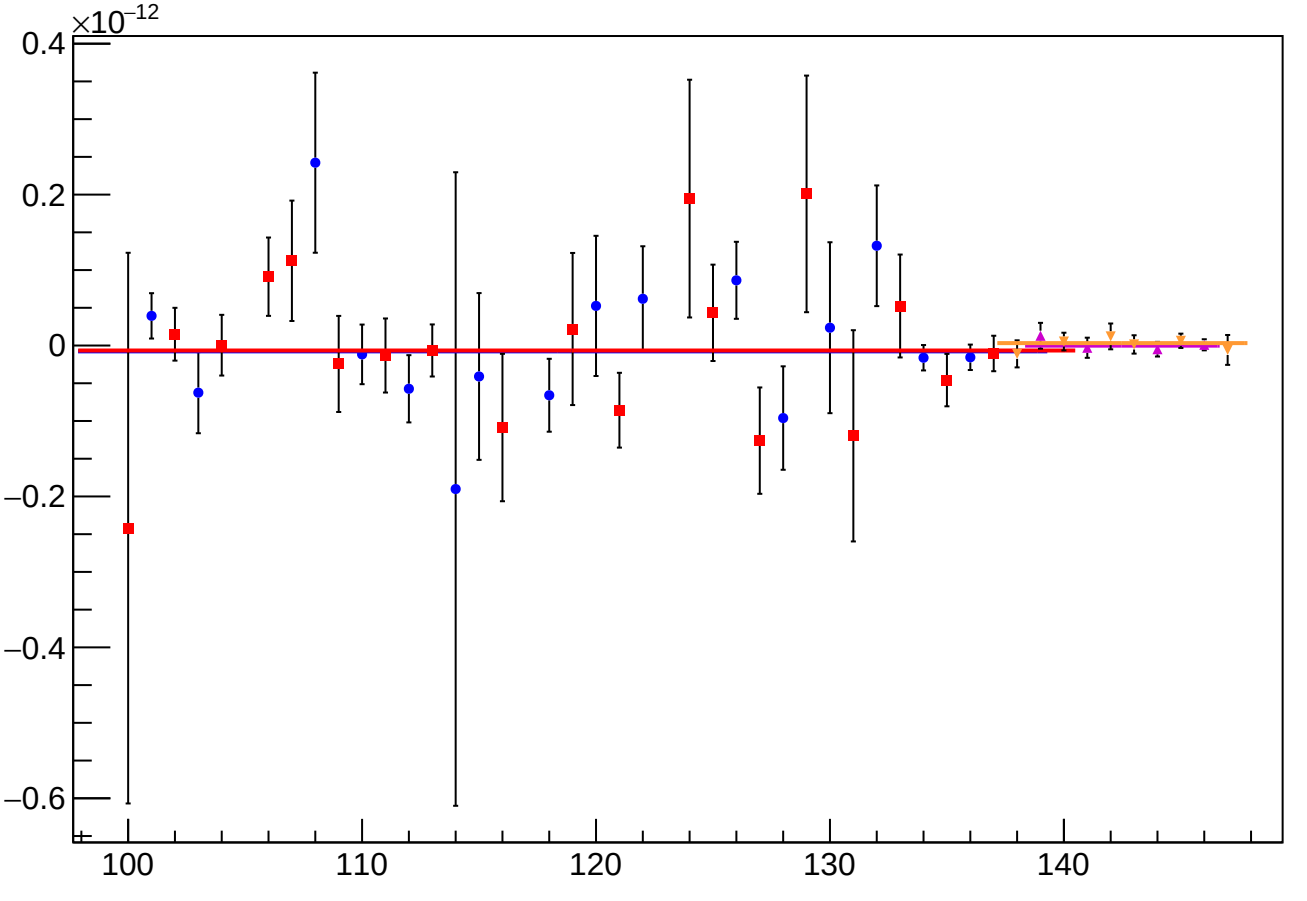
Left: 259.122+/-0.069 χ^2/NDF: 1744318.5/9

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 333.491+/-0.084 χ^2/NDF:5265809.4/19

Out: 372.275+/-0.085 χ^2/NDF:4682155.9/24

All: 352.541+/-0.060 χ^2/NDF: 10052690.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:0.9/3

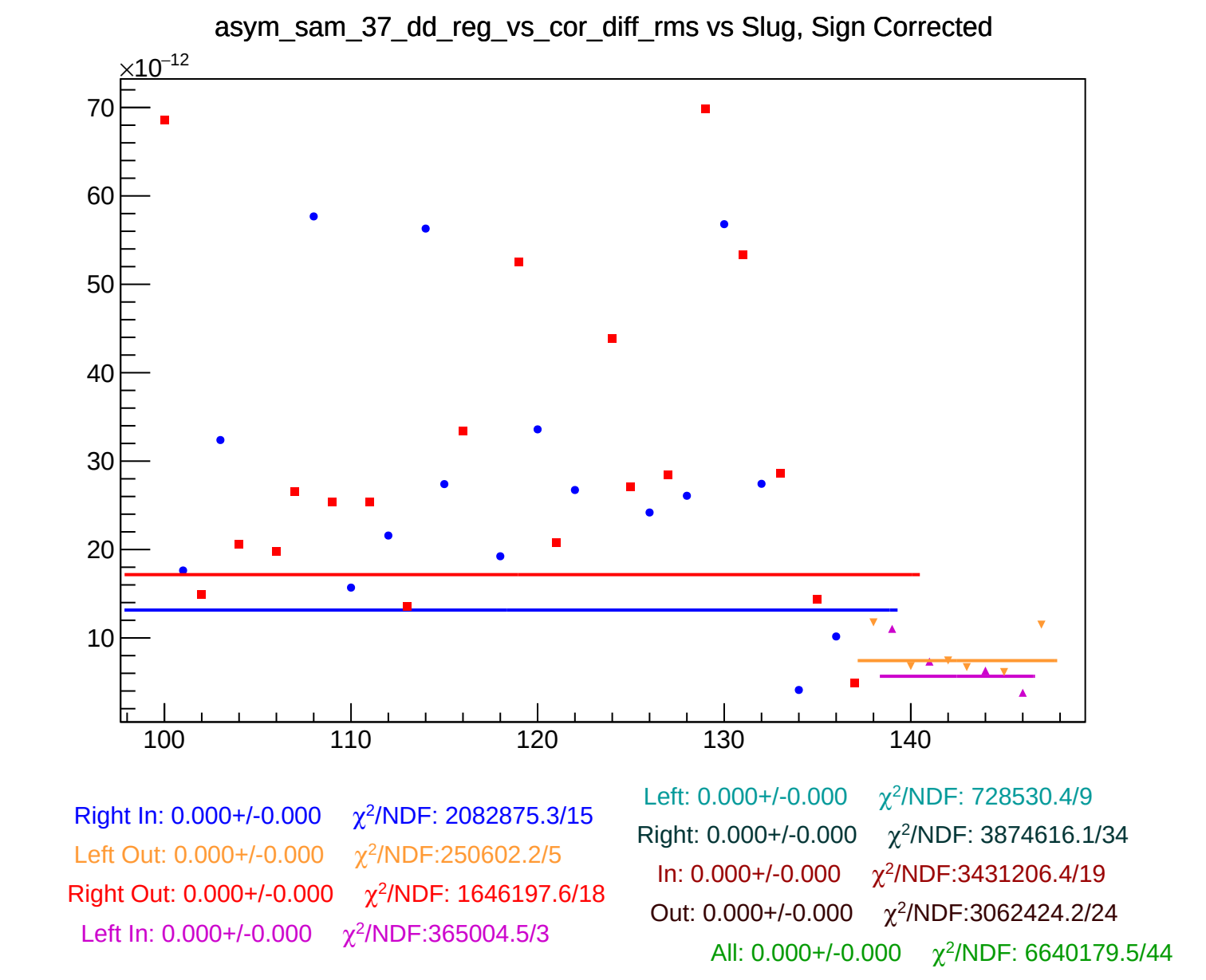
Left: 0.000+/-0.000 χ^2/NDF: 2.4/9

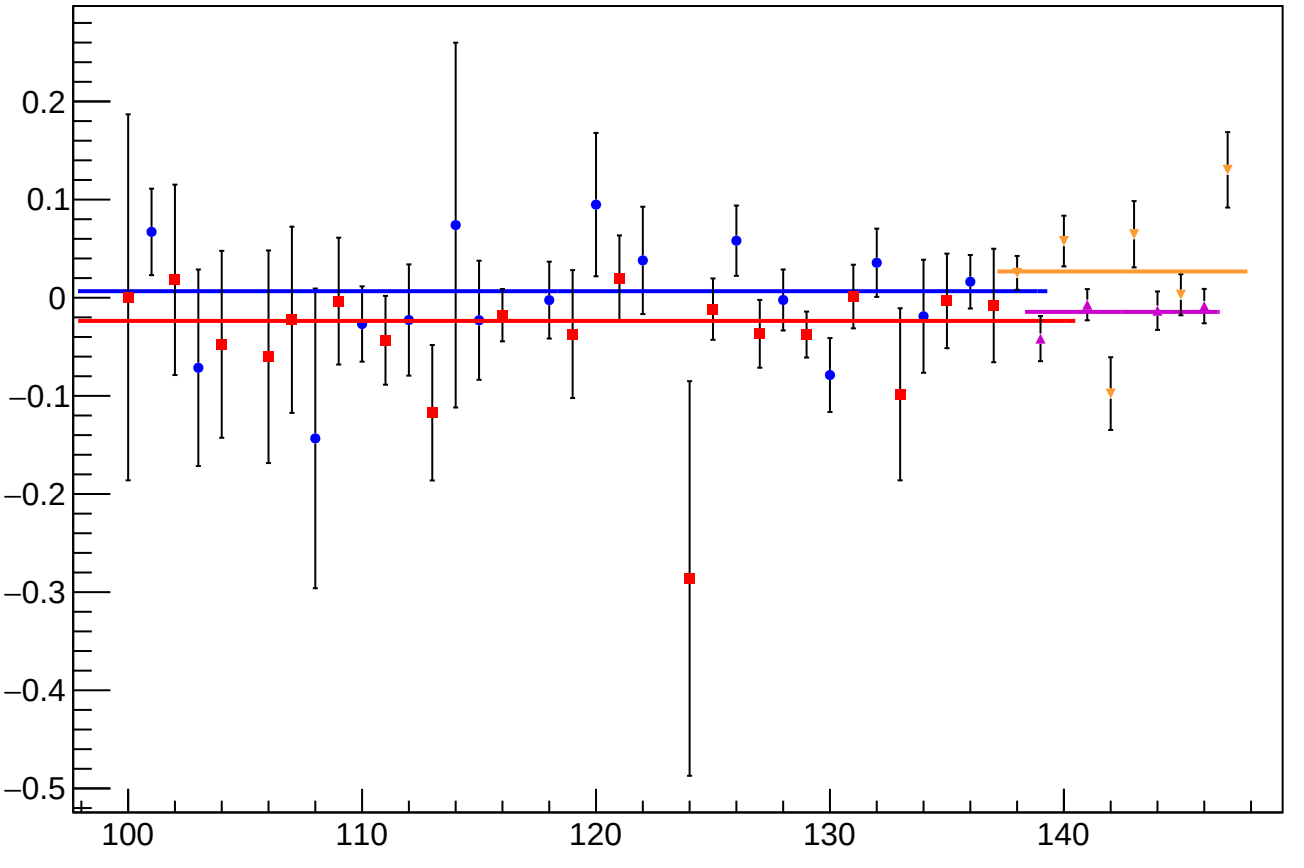
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:22.4/19

Out: 0.000+/-0.000 χ^2/NDF:21.8/24

All: -0.000+/-0.000 χ^2/NDF: 44.4/44


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:250602.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:365004.5/3
Left: 0.000+/-0.000 χ²/NDF: 728530.4/9
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3431206.4/19
Out: 0.000+/-0.000 χ²/NDF:3062424.2/24
All: 0.000+/-0.000 χ²/NDF: 6640179.5/44



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.7/3

Left: 0.004+/-0.007 χ^2/NDF: 33.1/9

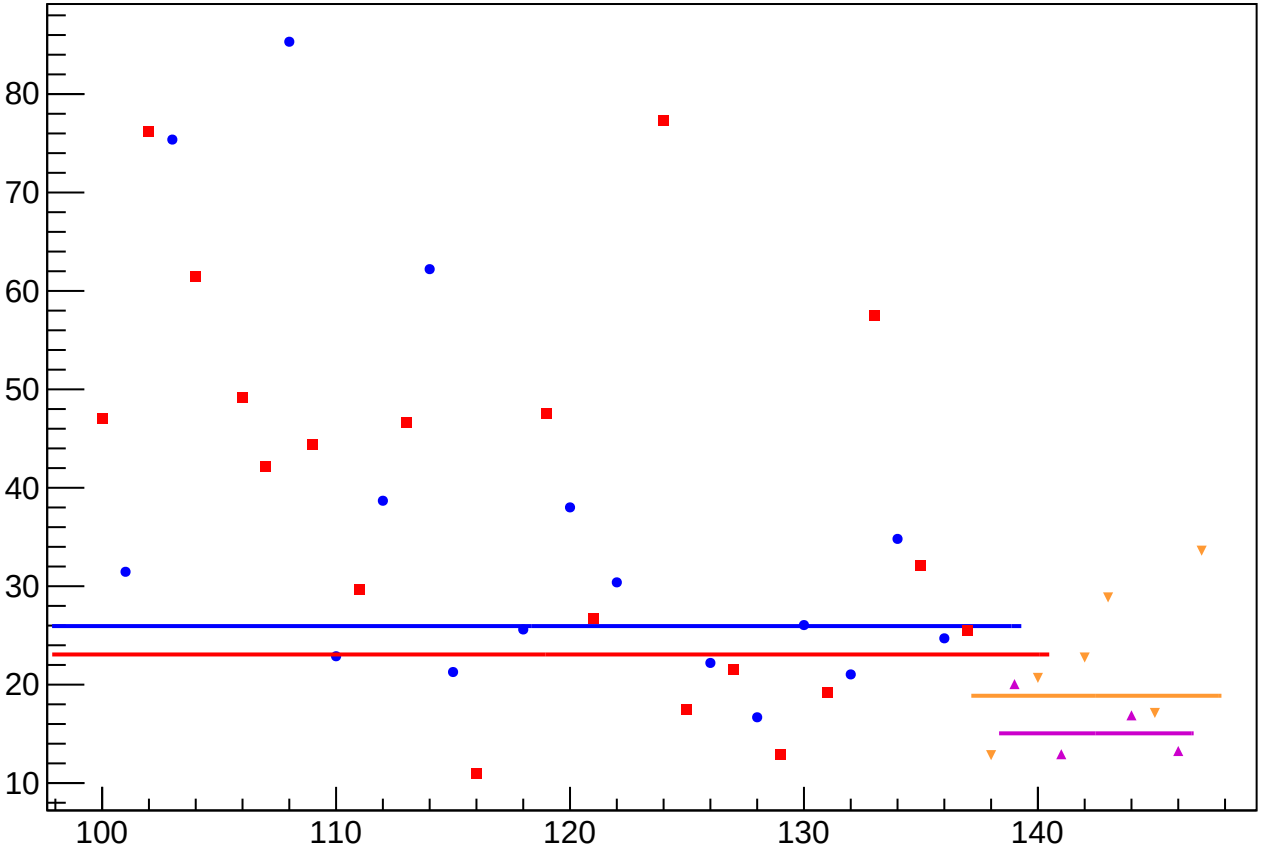
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/19

Out: 0.002+/-0.007 χ^2/NDF:41.8/24

All: -0.002+/-0.005 χ^2/NDF: 61.2/44

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 18.870+/-0.007 χ^2/NDF:759305.9/5

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.052+/-0.007 χ^2/NDF:168542.8/3

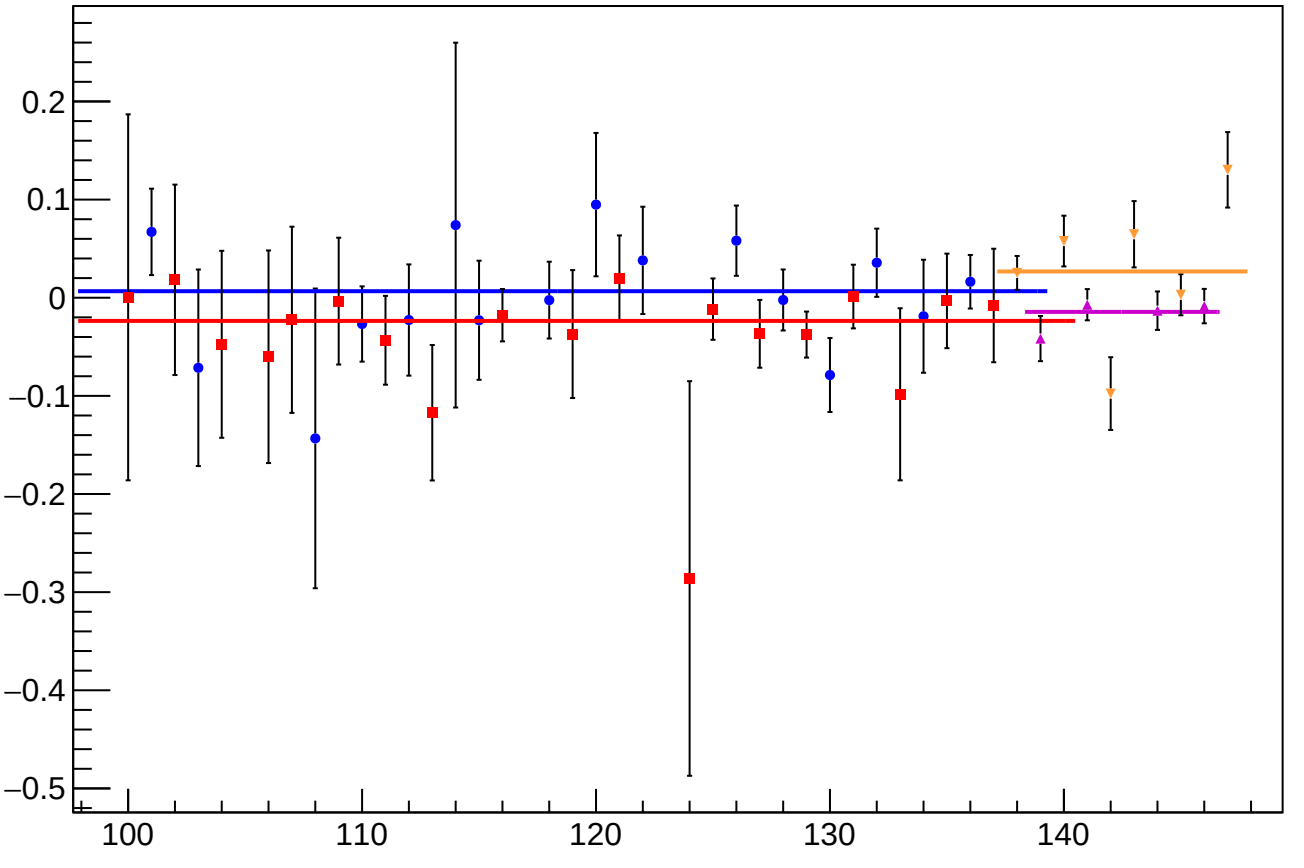
Left: 16.755+/-0.005 χ^2/NDF: 1080046.7/9

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 19.514+/-0.005 χ^2/NDF:2688457.9/19

Out: 20.927+/-0.005 χ^2/NDF:4282781.1/24

All: 20.196+/-0.004 χ^2/NDF: 7009431.0/44



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.7/3

Left: 0.004+/-0.007 χ^2/NDF: 33.1/9

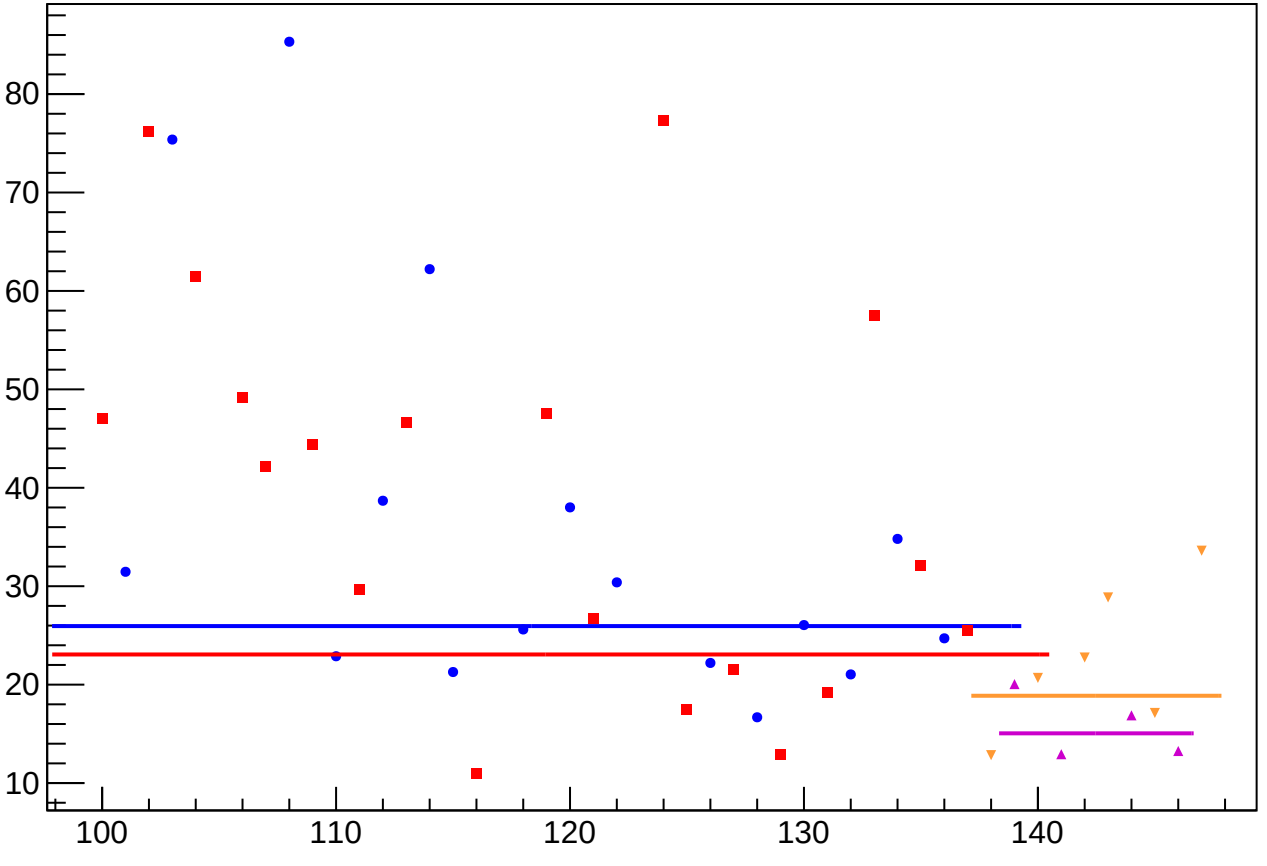
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/19

Out: 0.002+/-0.007 χ^2/NDF:41.8/24

All: -0.002+/-0.005 χ^2/NDF: 61.2/44

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: 18.870+/-0.007 χ^2/NDF:759305.9/5

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 15.052+/-0.007 χ^2/NDF:168542.8/3

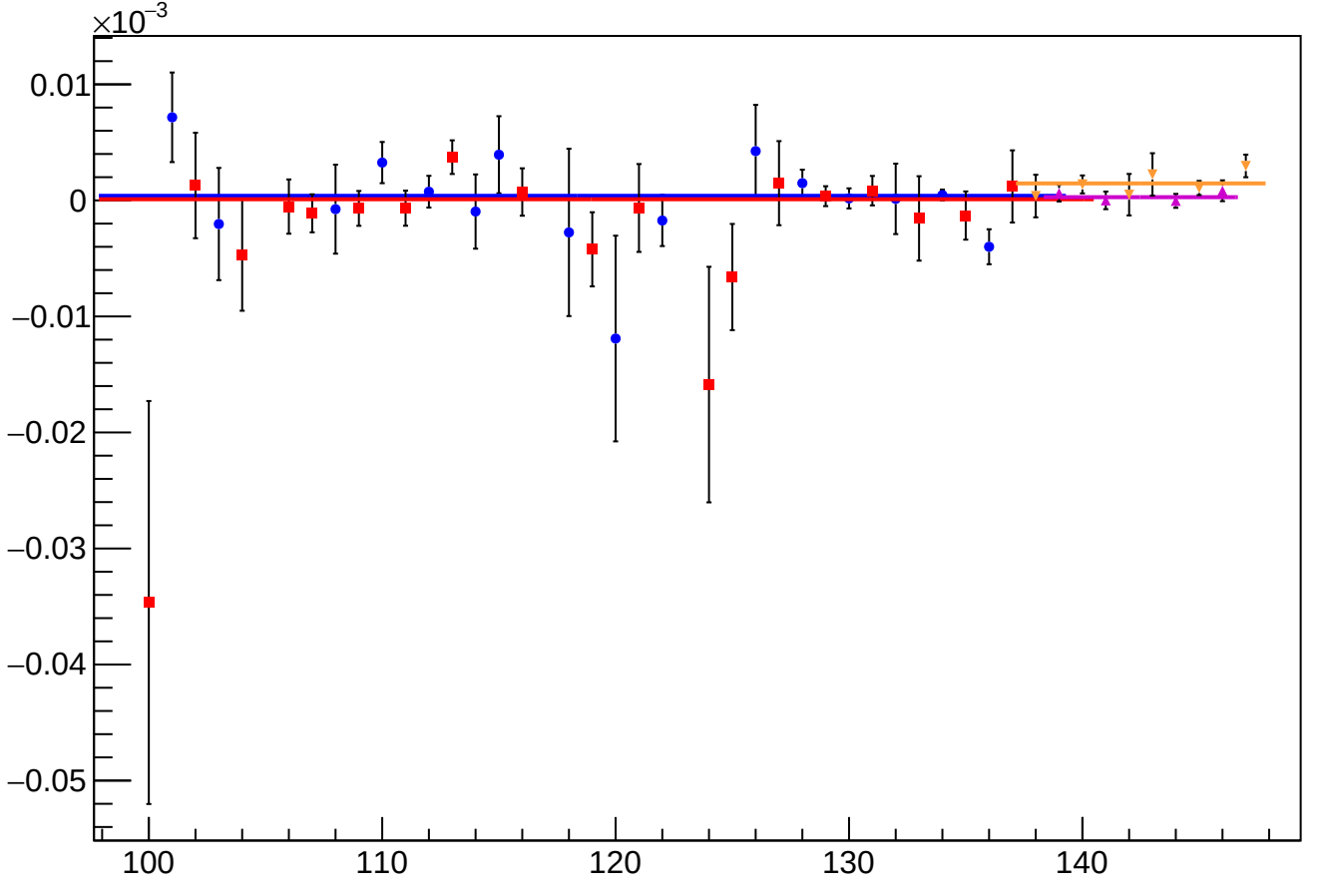
Left: 16.755+/-0.005 χ^2/NDF: 1080046.7/9

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 19.514+/-0.005 χ^2/NDF:2688457.9/19

Out: 20.927+/-0.005 χ^2/NDF:4282781.1/24

All: 20.196+/-0.004 χ^2/NDF: 7009431.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

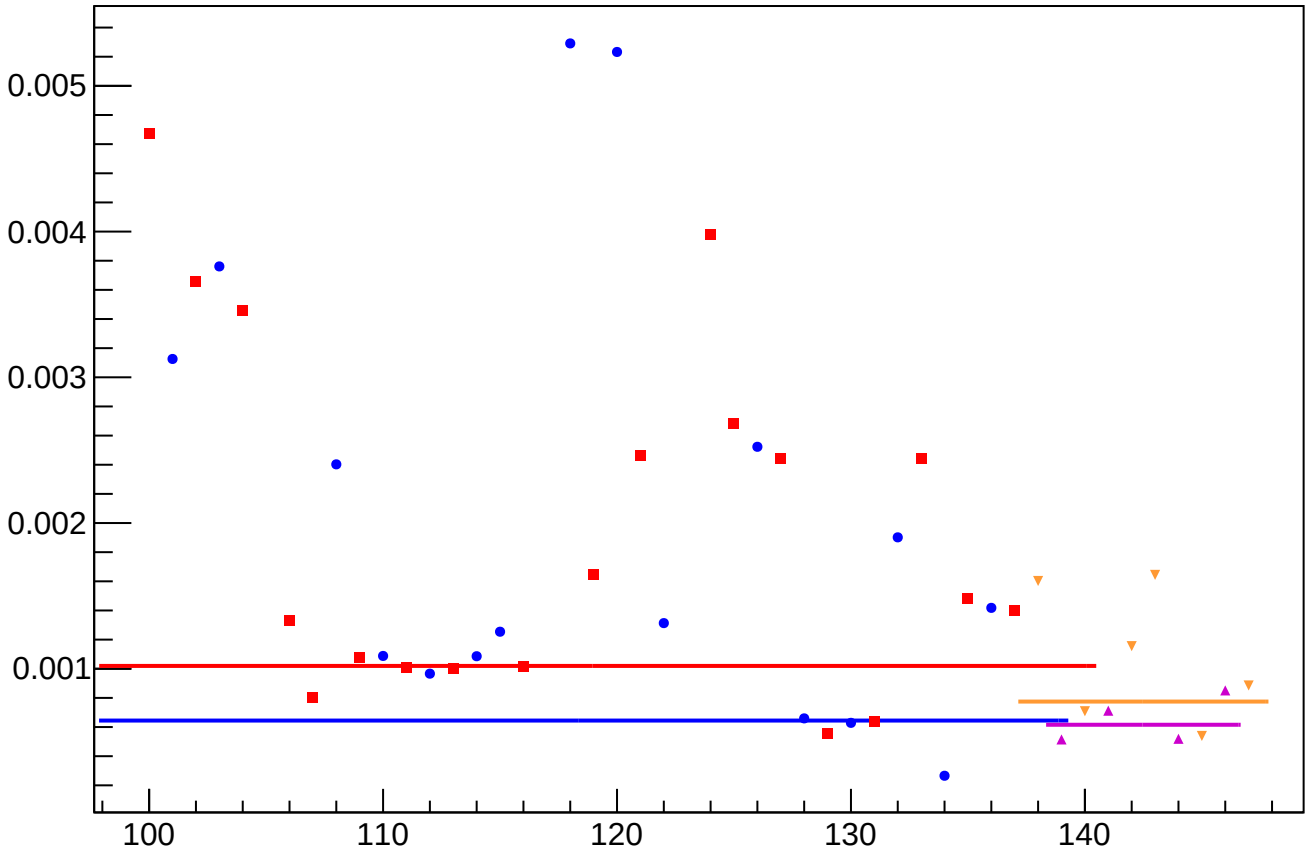
Left: 0.000+/-0.000 χ^2/NDF: 9.5/9

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:21.9/19

Out: 0.000+/-0.000 χ^2/NDF:29.2/24

All: 0.000+/-0.000 χ^2/NDF: 53.0/44



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1289164.3/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:260416.3/3

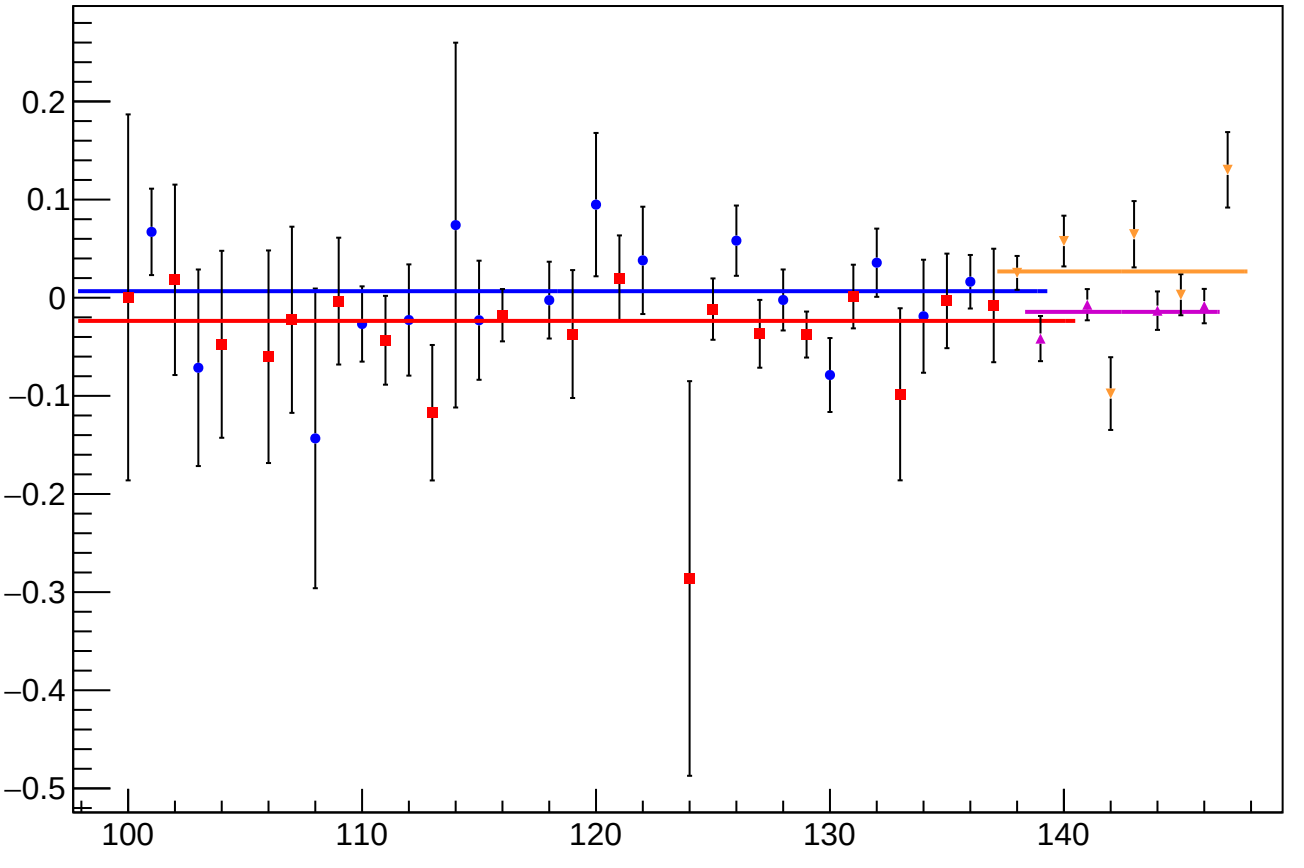
Left: 0.001+/-0.000 χ^2/NDF: 1725015.4/9

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:6842839.7/19

Out: 0.001+/-0.000 χ^2/NDF:5283111.5/24

All: 0.001+/-0.000 χ^2/NDF: 12966363.9/44



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.7/3

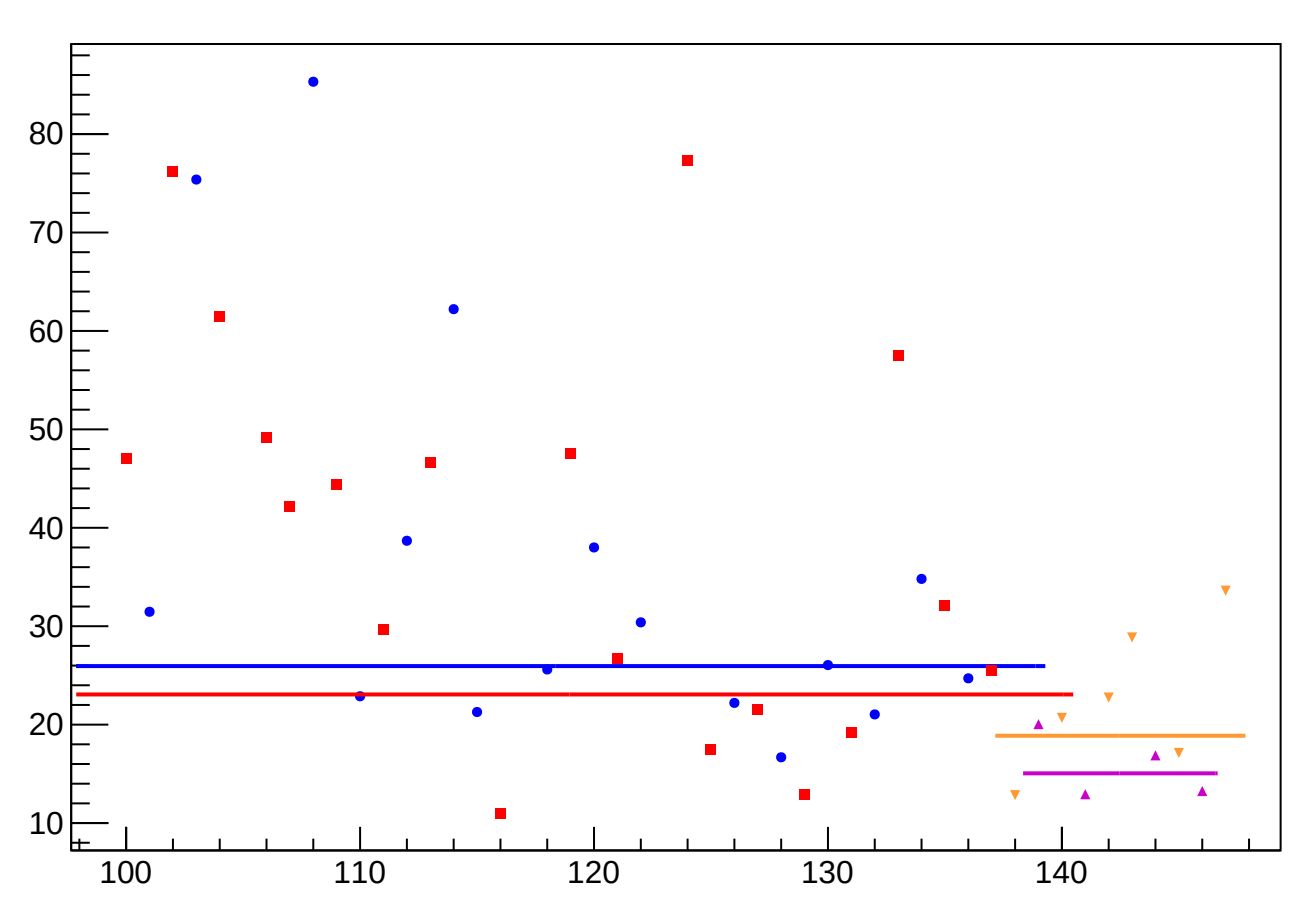
Left: 0.004+/-0.007 χ^2/NDF: 33.1/9

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/19

Out: 0.002+/-0.007 χ^2/NDF:41.8/24

All: -0.002+/-0.005 χ^2/NDF: 61.2/44



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 18.871+/-0.007 χ^2/NDF:759299.4/5

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.052+/-0.007 χ^2/NDF:168504.9/3

Left: 16.755+/-0.005 χ^2/NDF: 1080028.6/9

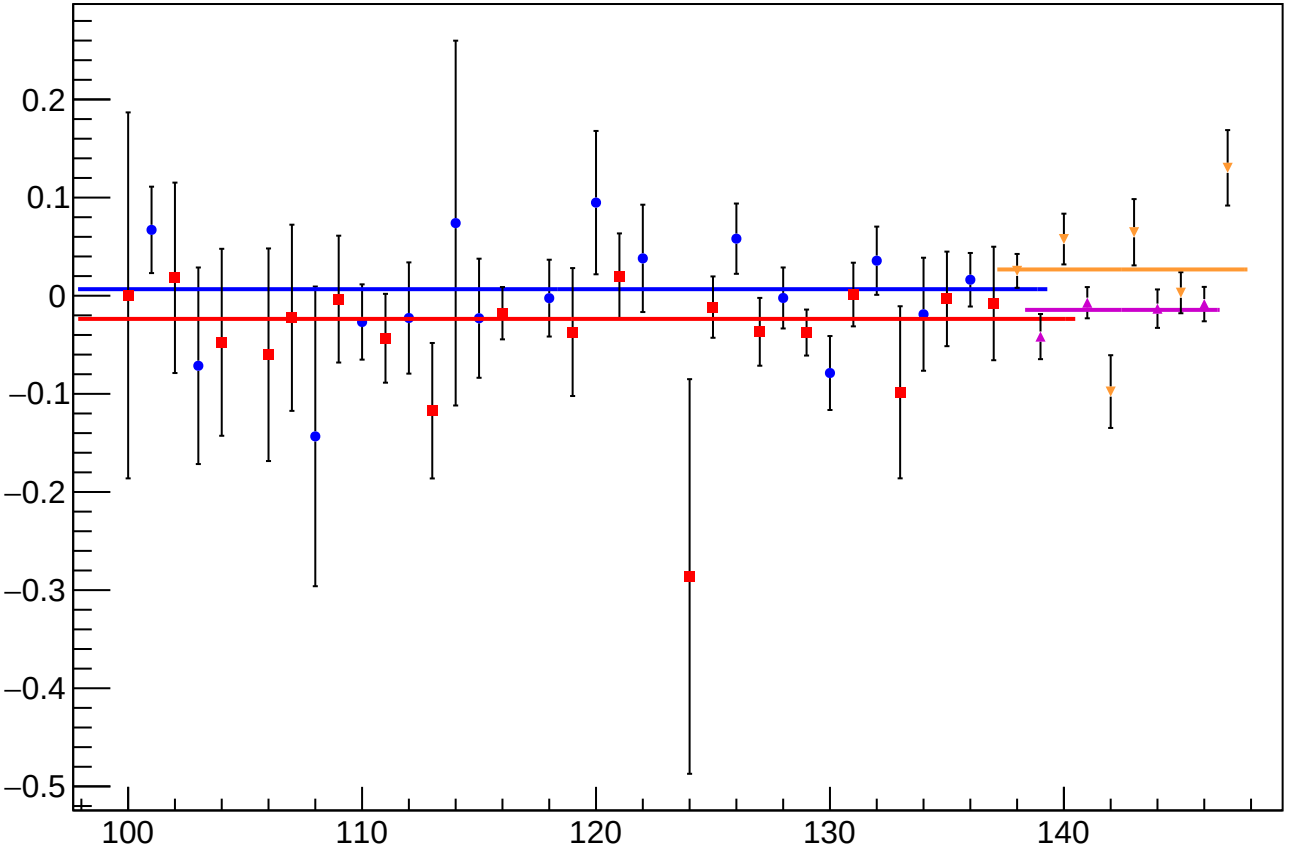
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 19.515+/-0.005 χ^2/NDF:2688426.1/19

Out: 20.928+/-0.005 χ^2/NDF:4282608.9/24

All: 20.197+/-0.004 χ^2/NDF: 7009244.6/44

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.027+/-0.010 χ^2/NDF:22.5/5

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.014+/-0.009 χ^2/NDF:1.7/3

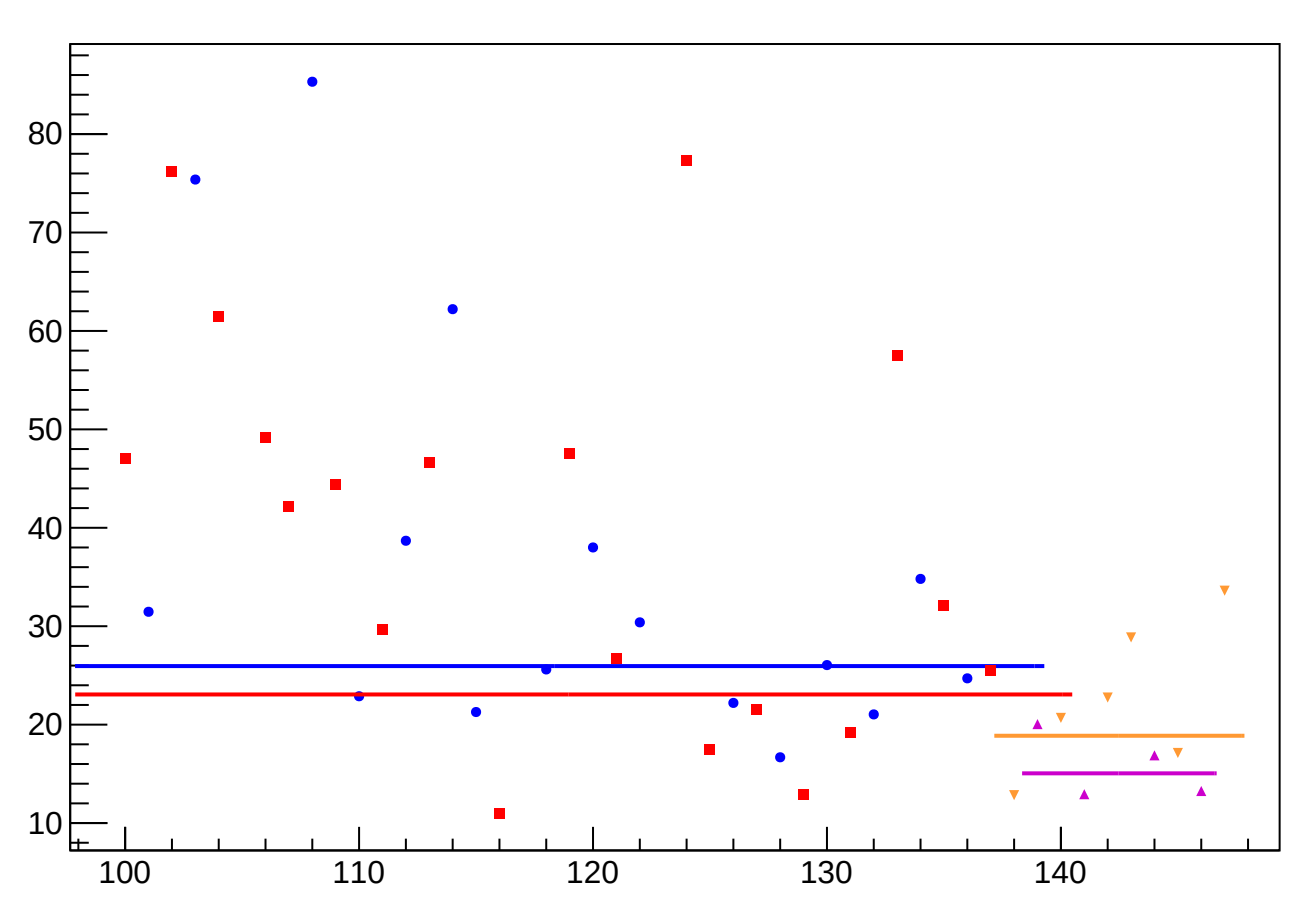
Left: 0.004+/-0.007 χ^2/NDF: 33.1/9

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.007 χ^2/NDF:18.9/19

Out: 0.002+/-0.007 χ^2/NDF:41.8/24

All: -0.002+/-0.005 χ^2/NDF: 61.2/44



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 18.871+/-0.007 χ^2/NDF:759299.4/5

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 15.052+/-0.007 χ^2/NDF:168504.9/3

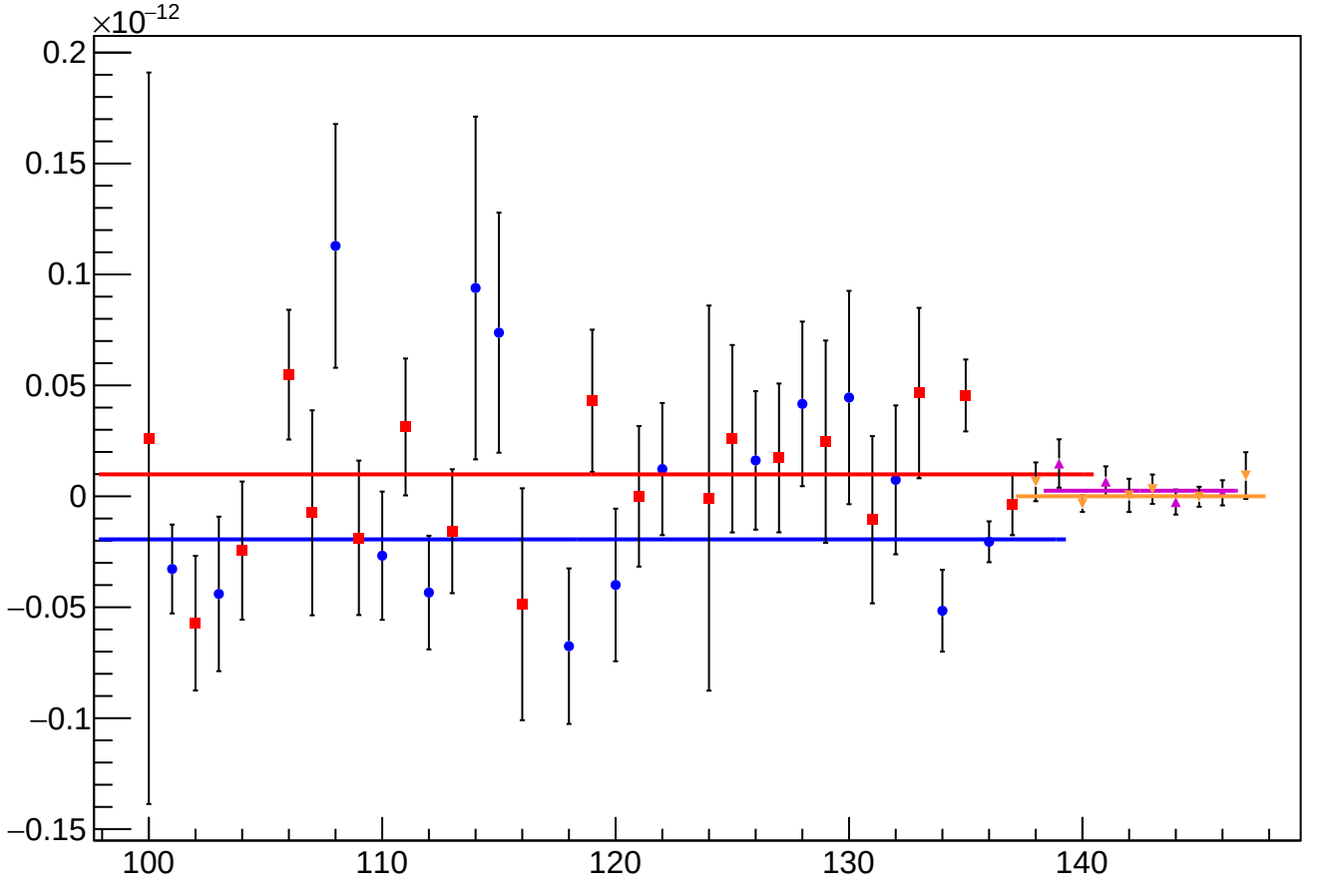
Left: 16.755+/-0.005 χ^2/NDF: 1080028.6/9

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 19.515+/-0.005 χ^2/NDF:2688426.1/19

Out: 20.928+/-0.005 χ^2/NDF:4282608.9/24

All: 20.197+/-0.004 χ^2/NDF: 7009244.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/3

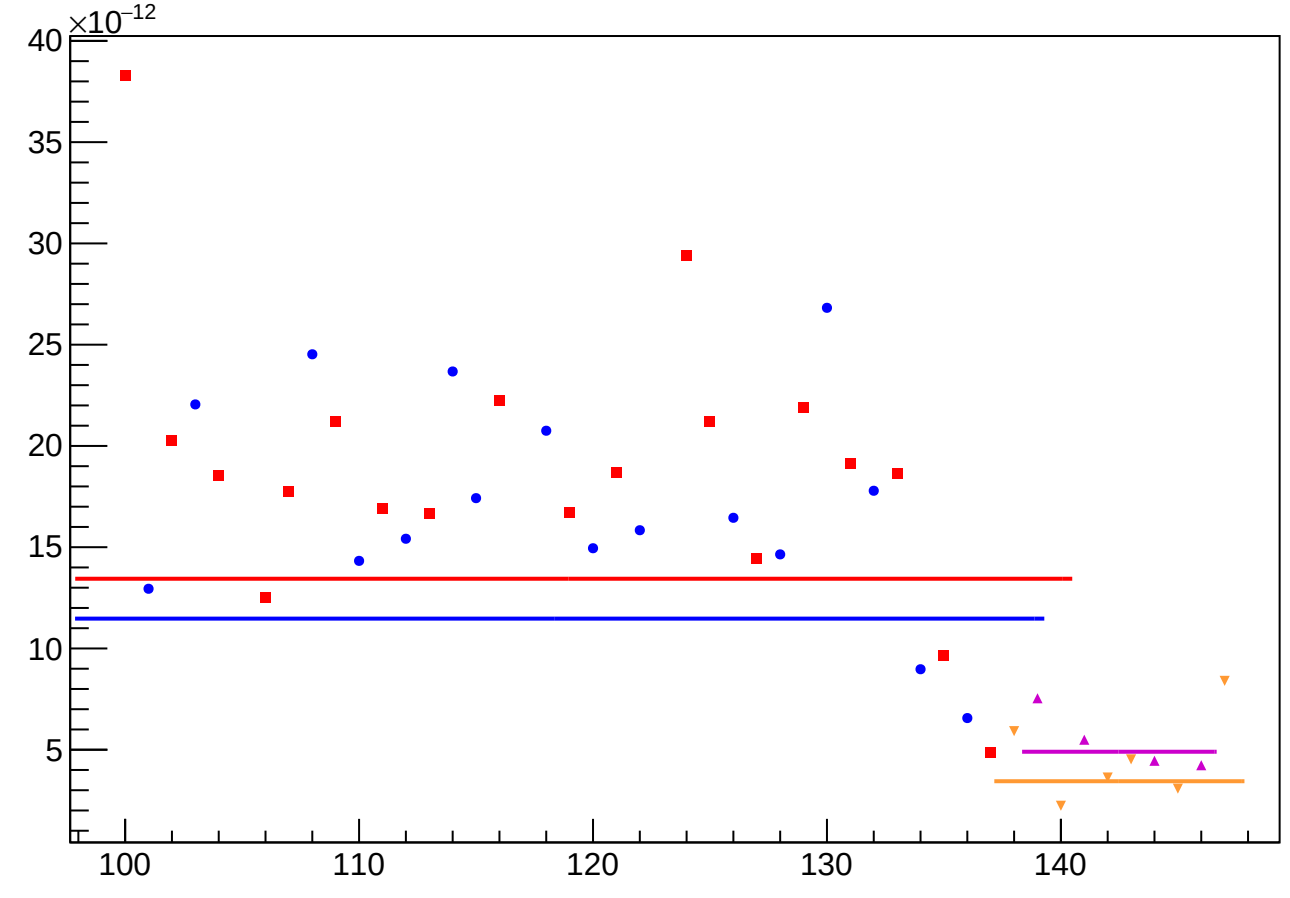
Left: 0.000+/-0.000 χ^2/NDF: 5.2/9

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:38.3/19

Out: 0.000+/-0.000 χ^2/NDF:24.6/24

All: -0.000+/-0.000 χ^2/NDF: 63.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:880751.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:172038.3/3

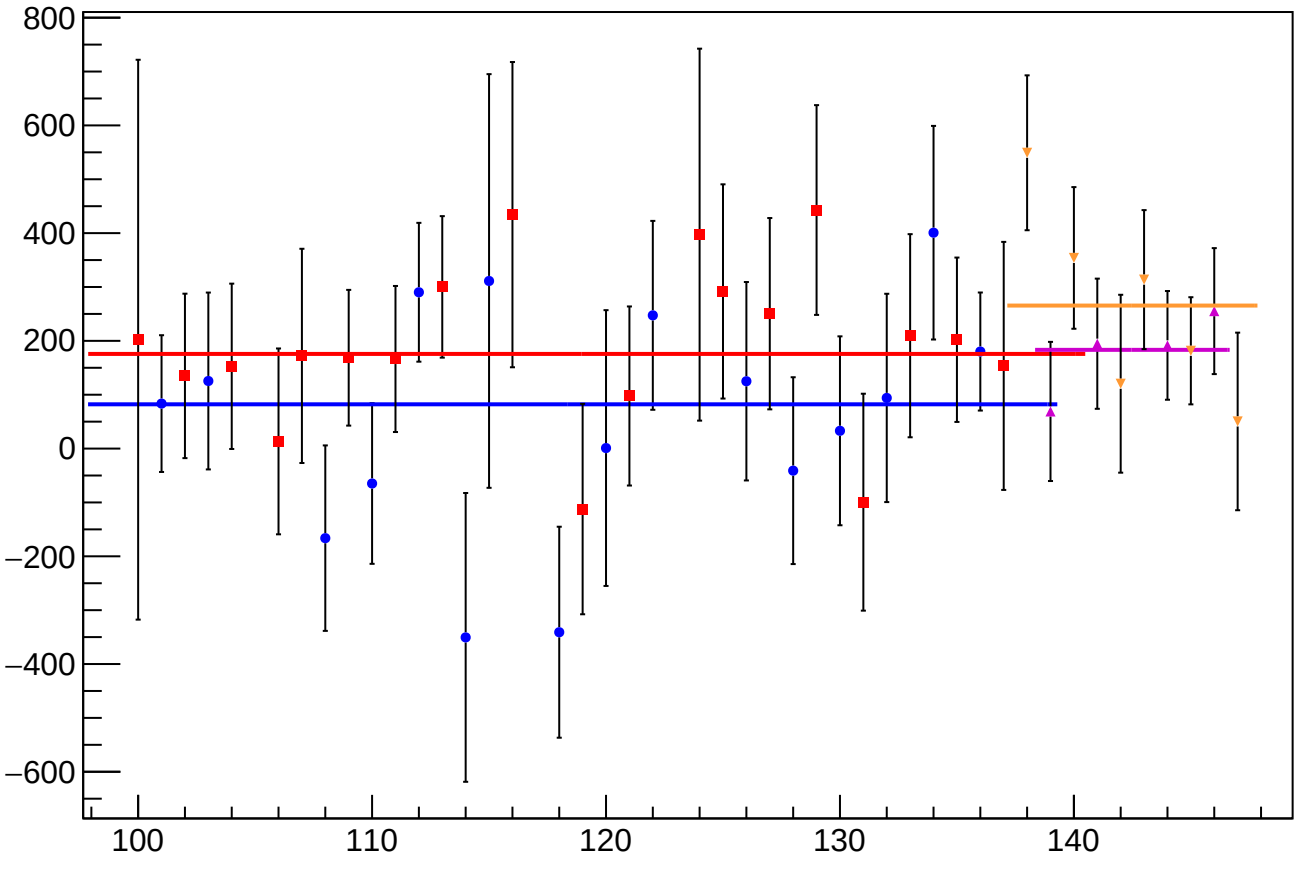
Left: 0.000+/-0.000 χ^2/NDF: 1312548.3/9

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:3599000.1/19

Out: 0.000+/-0.000 χ^2/NDF:6445081.8/24

All: 0.000+/-0.000 χ^2/NDF: 10595899.9/44



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 265.524+/-54.169 χ^2/NDF:7.7/5

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 183.296+/-57.764 χ^2/NDF:1.2/3

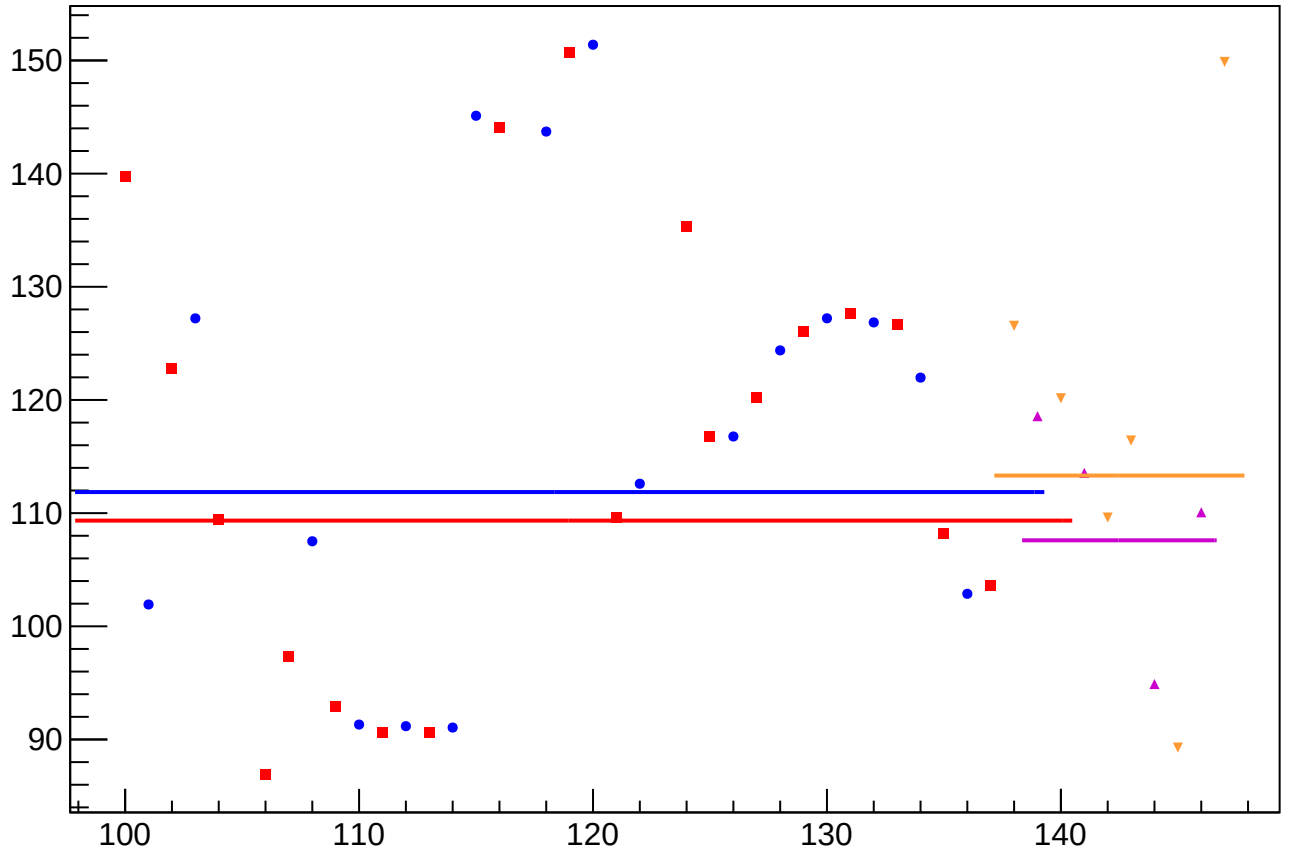
Left: 227.048+/-39.513 χ^2/NDF: 9.9/9

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 117.306+/-34.040 χ^2/NDF:21.5/19

Out: 208.104+/-32.525 χ^2/NDF:19.3/24

All: 164.770+/-23.516 χ^2/NDF: 44.6/44



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 113.322+/-0.038 χ^2/NDF:239596.9/5

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

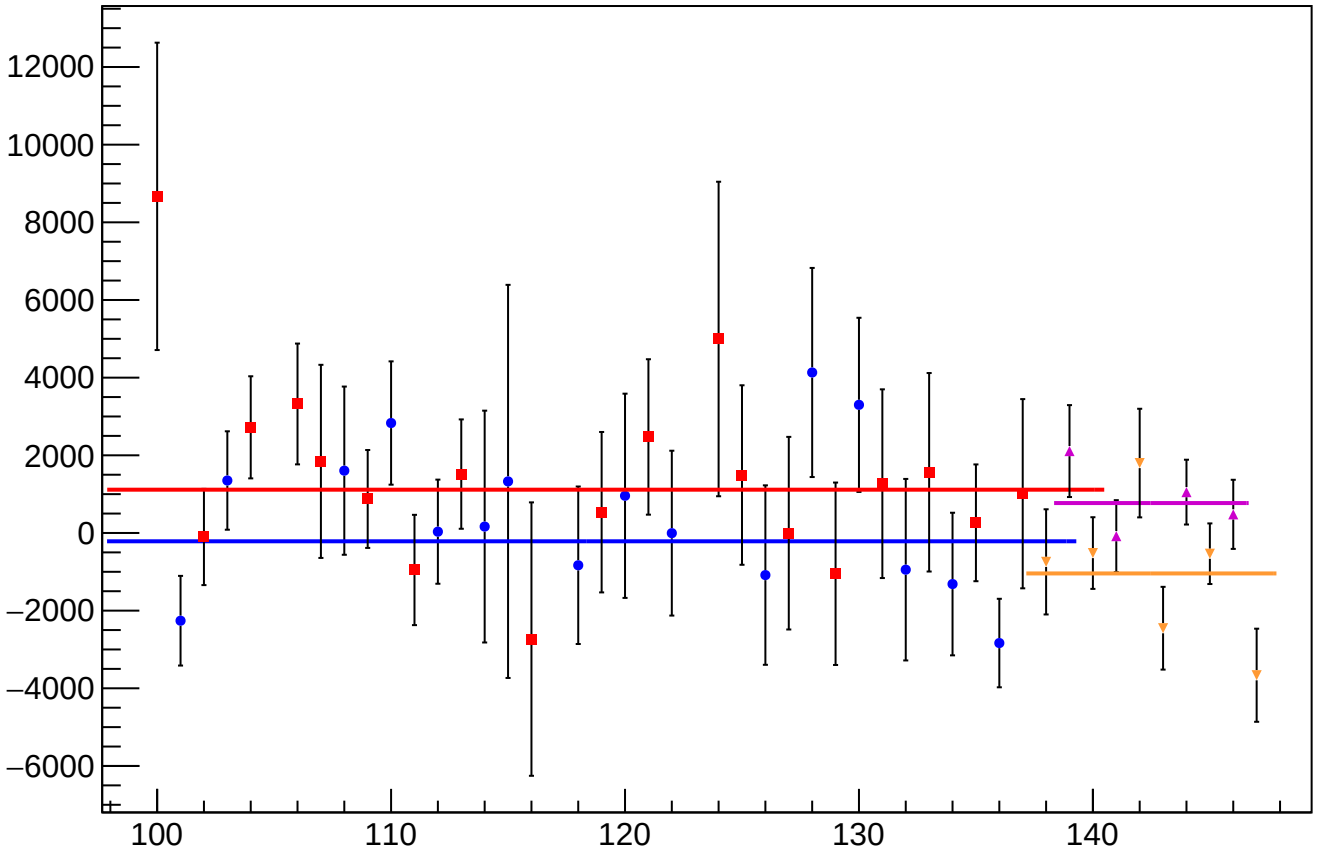
Left: 110.643+/-0.028 χ^2/NDF: 301894.0/9

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 110.381+/-0.024 χ^2/NDF:364985.4/19

Out: 110.776+/-0.023 χ^2/NDF:613726.6/24

All: 110.587+/-0.017 χ^2/NDF: 978852.6/44



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1042.187+/-428.395 χ^2/NDF:11.5/5

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 770.418+/-467.430 χ^2/NDF:2.3/3

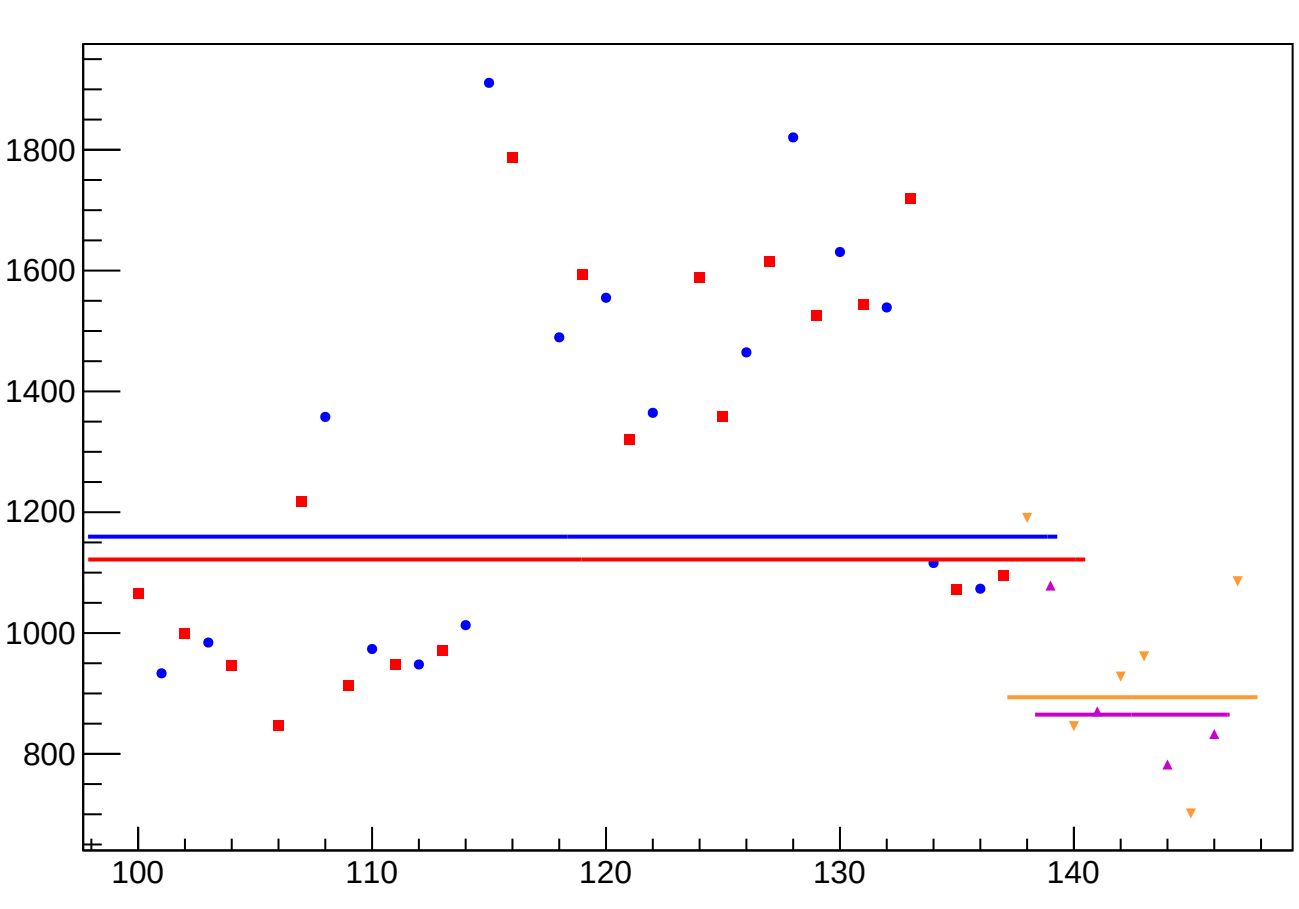
Left: -214.717+/-315.821 χ^2/NDF: 22.0/9

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 252.779+/-321.905 χ^2/NDF:25.1/19

Out: 49.825+/-301.010 χ^2/NDF:38.8/24

All: 144.501+/-219.862 χ^2/NDF: 64.2/44



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 893.792+/-0.303 χ^2/NDF:283562.8/5

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 864.953+/-0.331 χ^2/NDF:87409.8/3

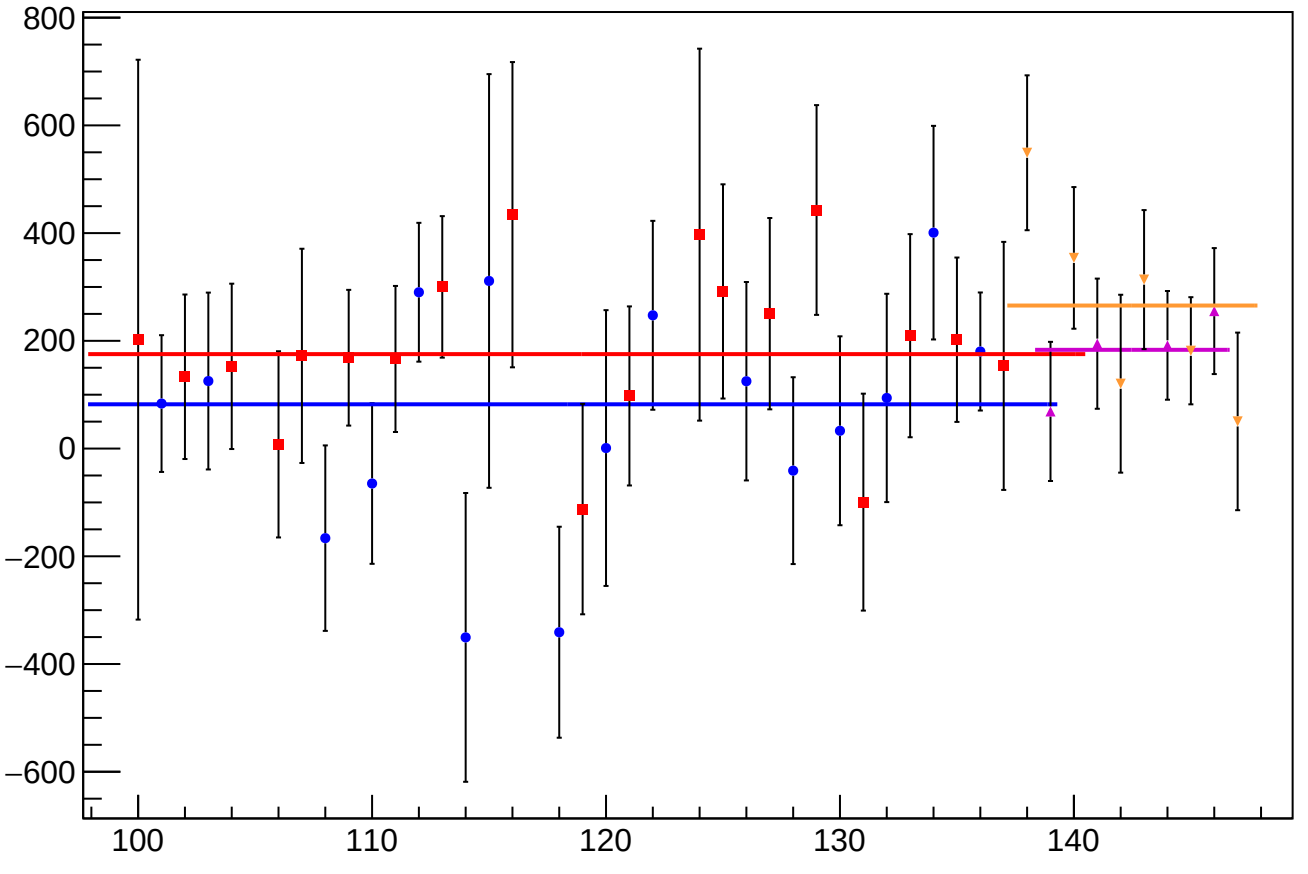
Left: 880.627+/-0.223 χ^2/NDF: 375110.4/9

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1019.841+/-0.228 χ^2/NDF:1188807.1/19

Out: 1009.206+/-0.213 χ^2/NDF:1352555.0/24

All: 1014.167+/-0.155 χ^2/NDF: 2542526.7/44



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 265.542+/-54.169 χ^2/NDF:7.7/5

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 183.309+/-57.764 χ^2/NDF:1.2/3

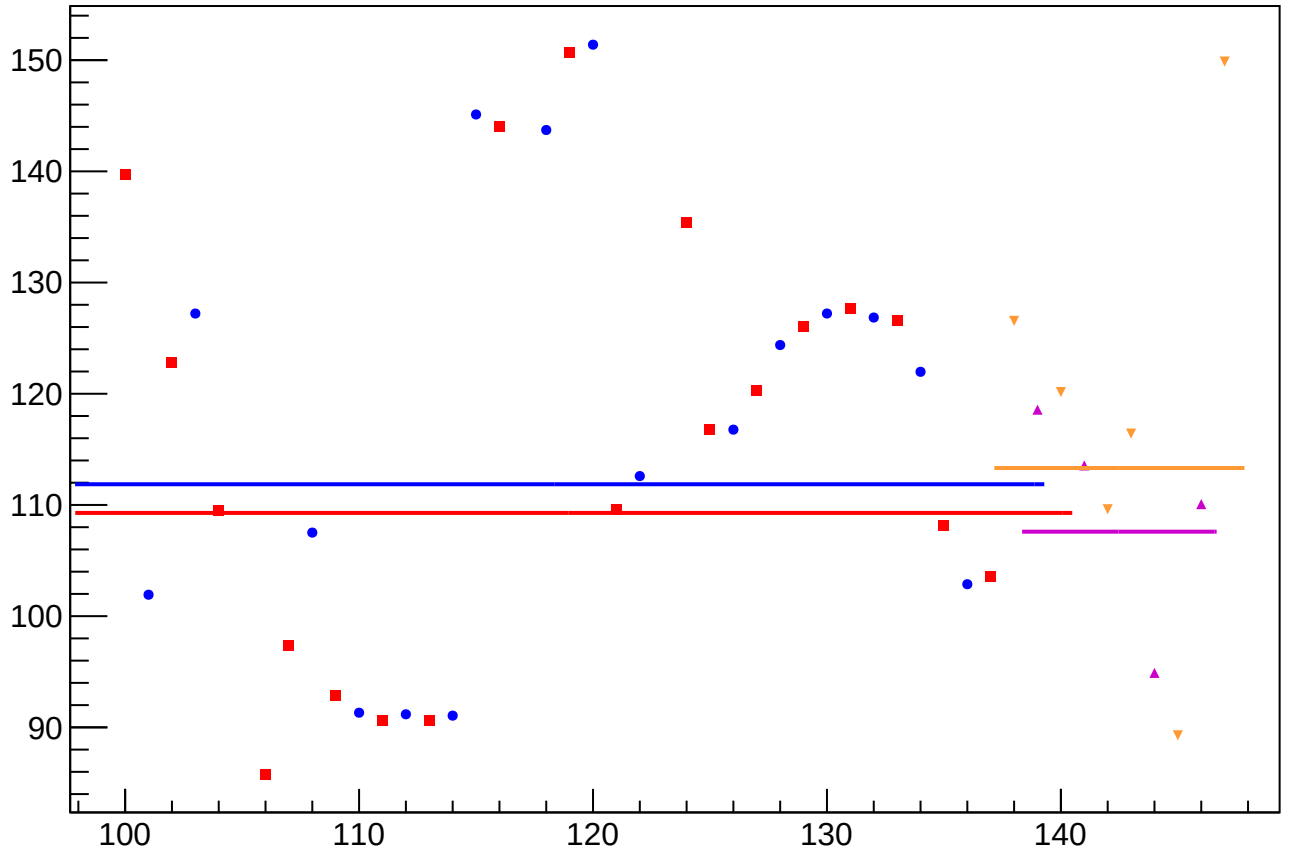
Left: 227.063+/-39.513 χ^2/NDF: 9.9/9

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 117.302+/-34.040 χ^2/NDF:21.6/19

Out: 207.864+/-32.528 χ^2/NDF:19.4/24

All: 164.639+/-23.517 χ^2/NDF: 44.6/44



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 113.322+/-0.038 χ^2/NDF:239596.9/5

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

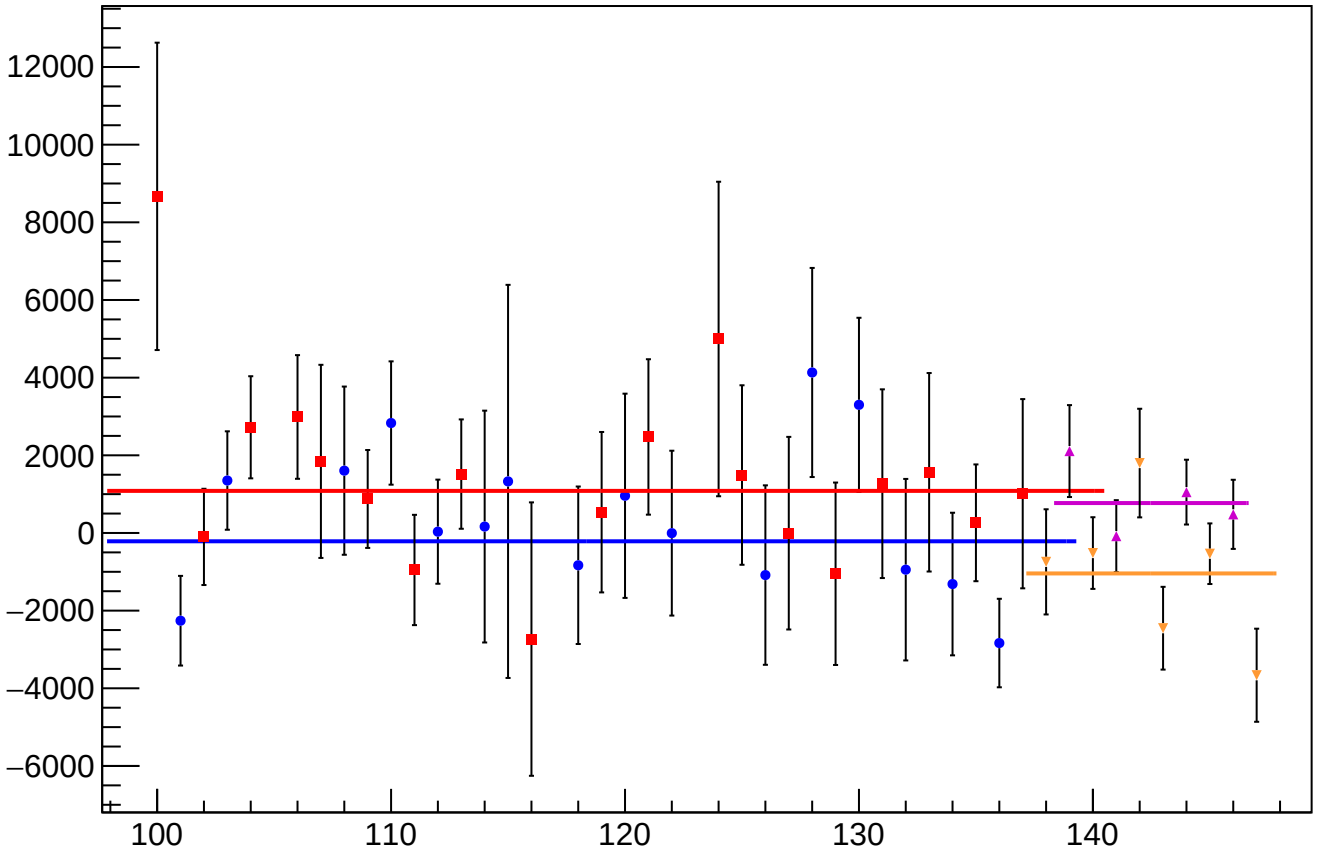
Left: 110.643+/-0.028 χ^2/NDF: 301894.0/9

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 110.381+/-0.024 χ^2/NDF:364986.6/19

Out: 110.740+/-0.023 χ^2/NDF:617413.8/24

All: 110.569+/-0.017 χ^2/NDF: 982516.7/44



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1042.165+/-428.395 χ^2/NDF:11.5/5

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 770.427+/-467.430 χ^2/NDF:2.3/3

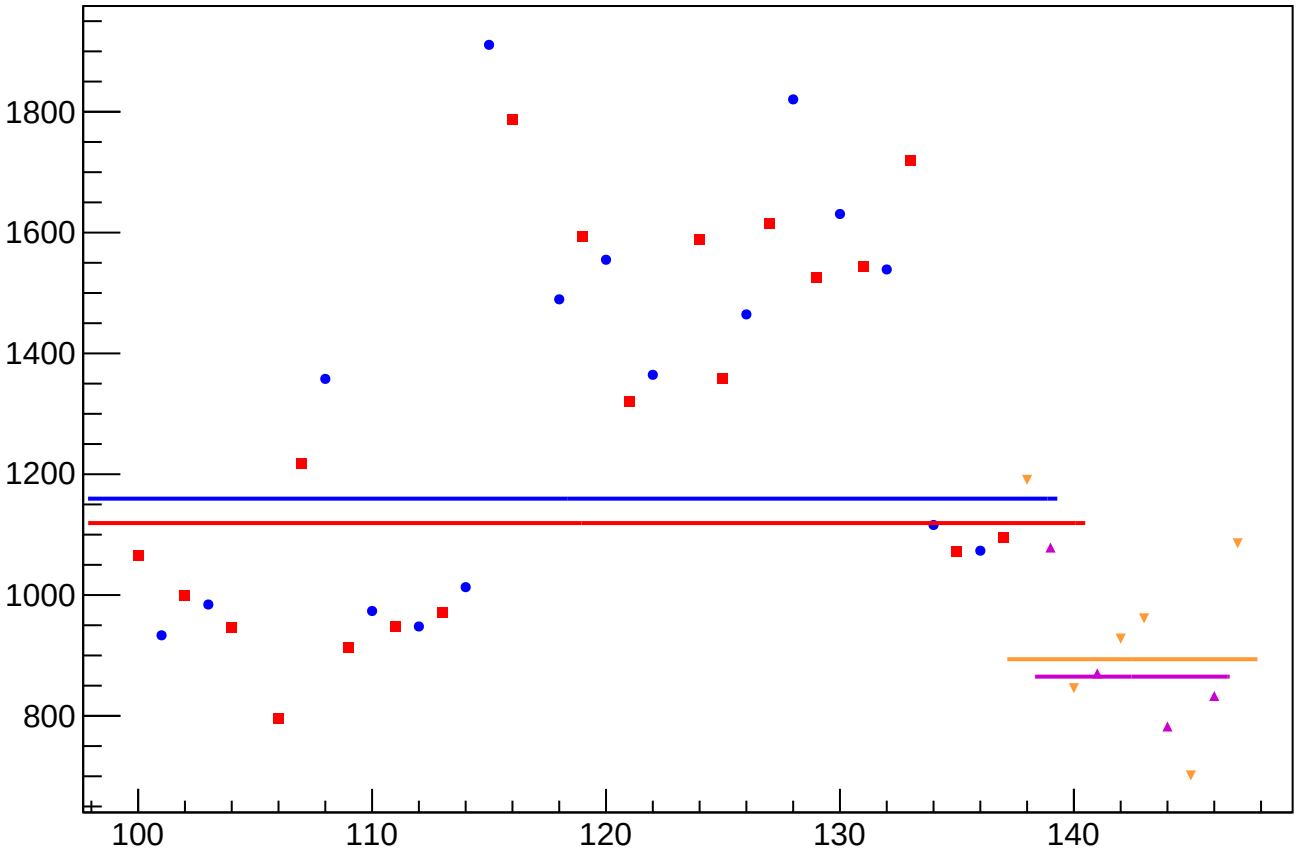
Left: -214.702+/-315.821 χ^2/NDF: 22.0/9

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 252.739+/-321.907 χ^2/NDF:25.1/19

Out: 32.416+/-301.274 χ^2/NDF:37.8/24

All: 135.291+/-219.966 χ^2/NDF: 63.2/44



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 893.791+/-0.303 χ^2/NDF:283565.0/5

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 864.954+/-0.331 χ^2/NDF:87408.4/3

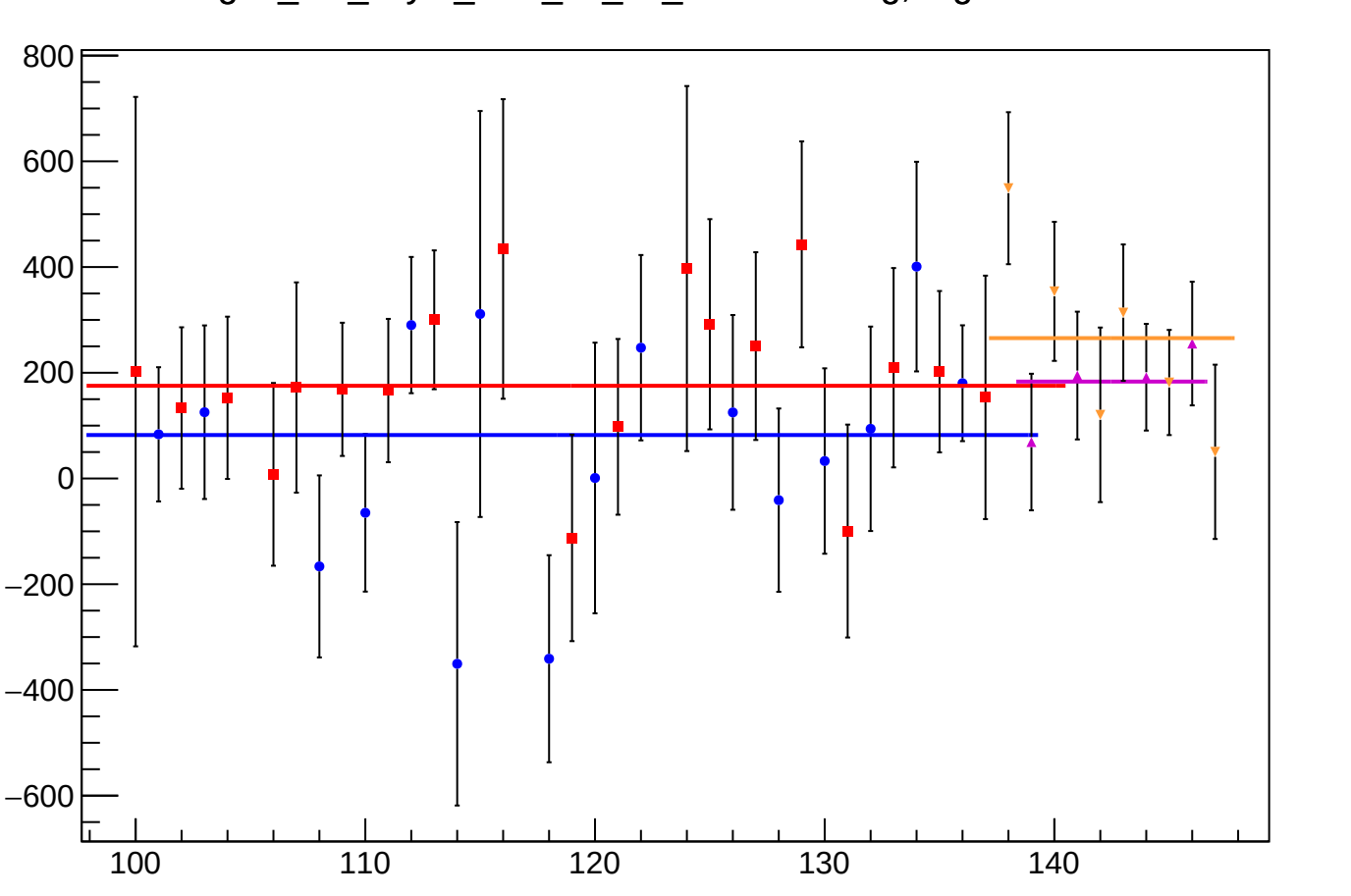
Left: 880.627+/-0.223 χ^2/NDF: 375110.7/9

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1019.845+/-0.228 χ^2/NDF:1188796.8/19

Out: 1007.695+/-0.213 χ^2/NDF:1366466.8/24

All: 1013.369+/-0.156 χ^2/NDF: 2556782.5/44



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 265.542+/-54.169 χ^2/NDF:7.7/5

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 183.309+/-57.764 χ^2/NDF:1.2/3

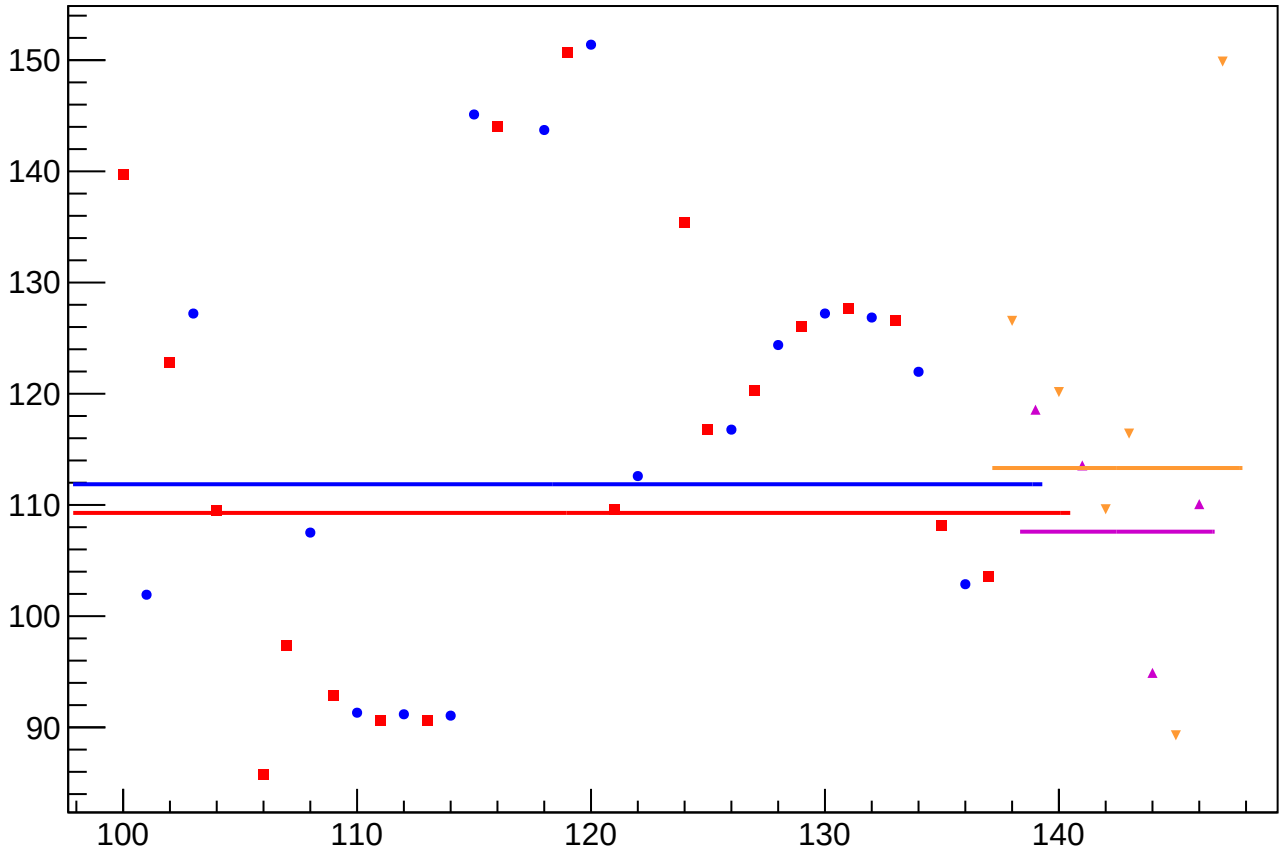
Left: 227.063+/-39.513 χ^2/NDF: 9.9/9

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 117.302+/-34.040 χ^2/NDF:21.6/19

Out: 207.864+/-32.528 χ^2/NDF:19.4/24

All: 164.639+/-23.517 χ^2/NDF: 44.6/44



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 113.322+/-0.038 χ^2/NDF:239596.9/5

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 107.597+/-0.041 χ^2/NDF:51844.9/3

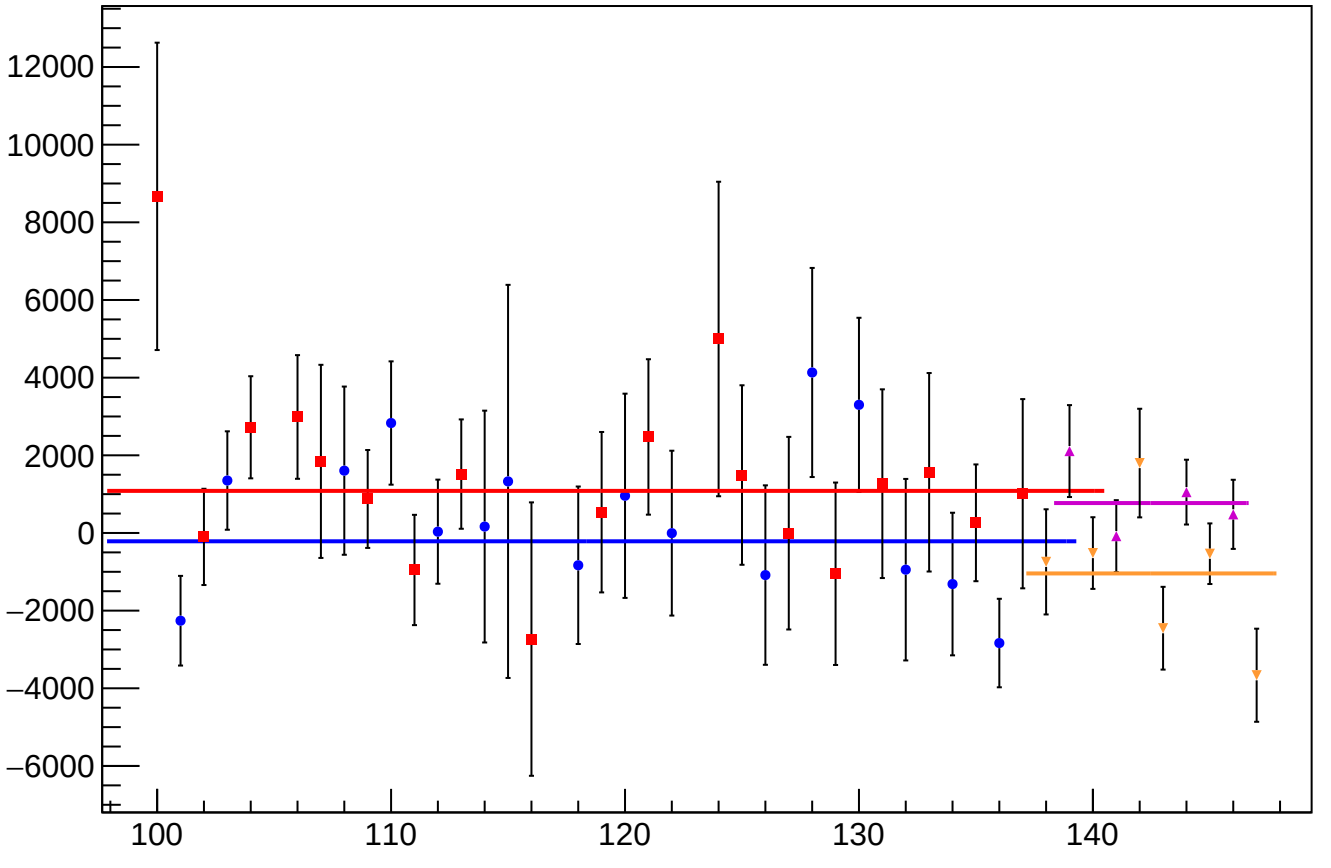
Left: 110.643+/-0.028 χ^2/NDF: 301894.0/9

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 110.381+/-0.024 χ^2/NDF:364986.6/19

Out: 110.740+/-0.023 χ^2/NDF:617413.8/24

All: 110.569+/-0.017 χ^2/NDF: 982516.7/44



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1042.165+/-428.395 χ^2/NDF:11.5/5

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 770.427+/-467.430 χ^2/NDF:2.3/3

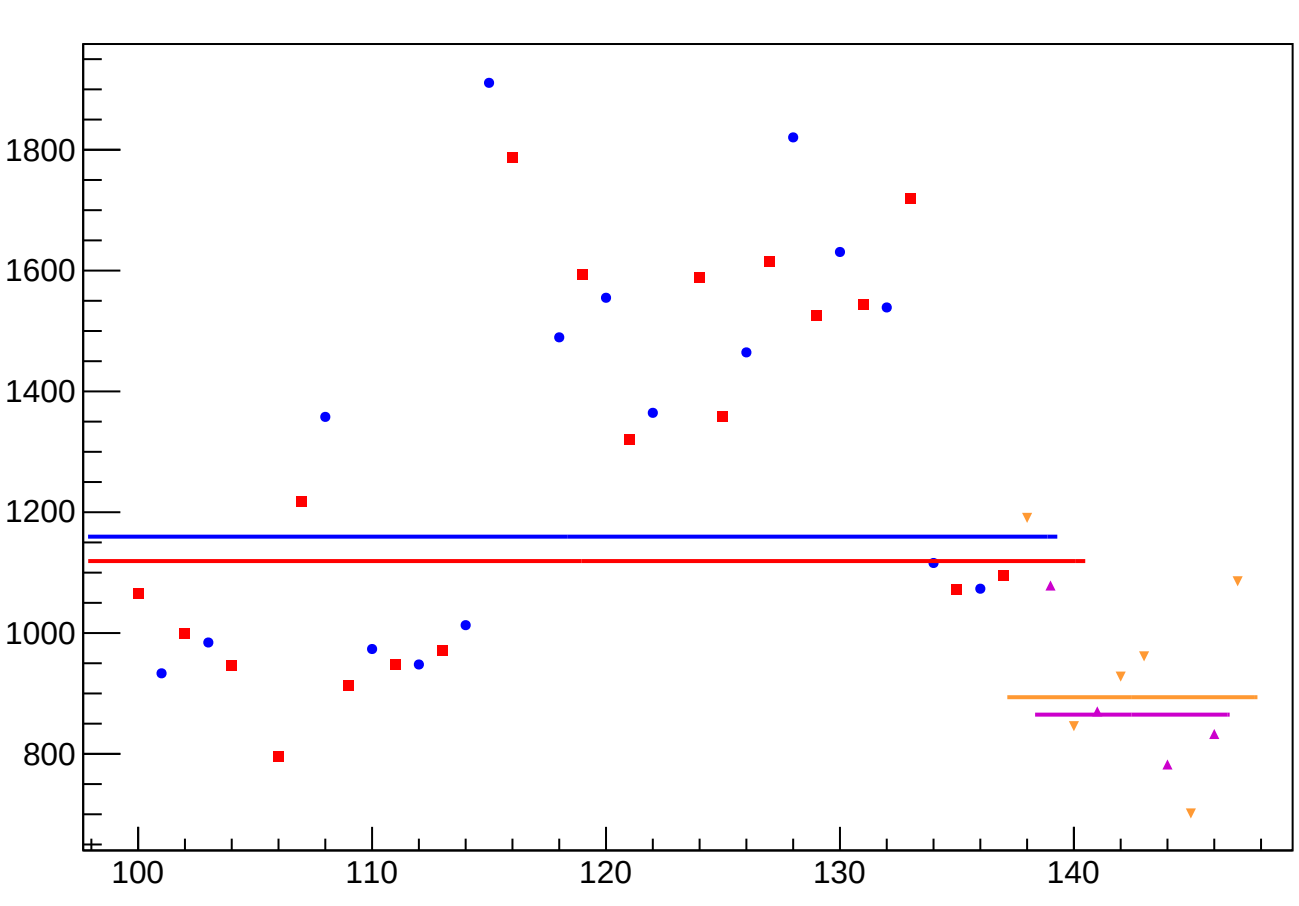
Left: -214.702+/-315.821 χ^2/NDF: 22.0/9

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 252.739+/-321.907 χ^2/NDF:25.1/19

Out: 32.416+/-301.274 χ^2/NDF:37.8/24

All: 135.291+/-219.966 χ^2/NDF: 63.2/44



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 893.791+/-0.303 χ^2/NDF:283565.0/5

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 864.954+/-0.331 χ^2/NDF:87408.4/3

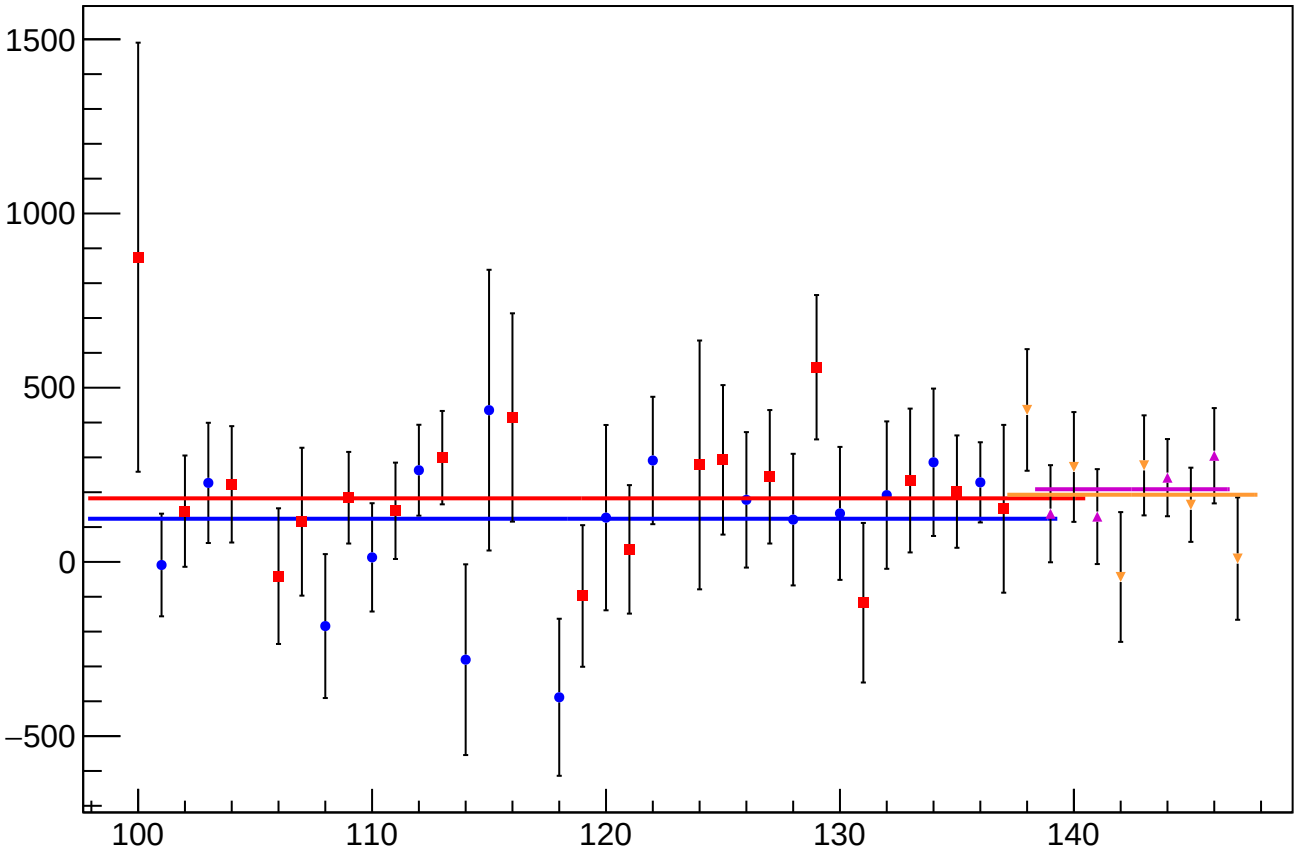
Left: 880.627+/-0.223 χ^2/NDF: 375110.7/9

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1019.845+/-0.228 χ^2/NDF:1188796.8/19

Out: 1007.695+/-0.213 χ^2/NDF:1366466.8/24

All: 1013.369+/-0.156 χ^2/NDF: 2556782.5/44



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 192.816+/-60.737 χ^2/NDF:5.3/5

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 208.588+/-64.514 χ^2/NDF:1.2/3

Left: 200.227+/-44.223 χ^2/NDF: 6.5/9

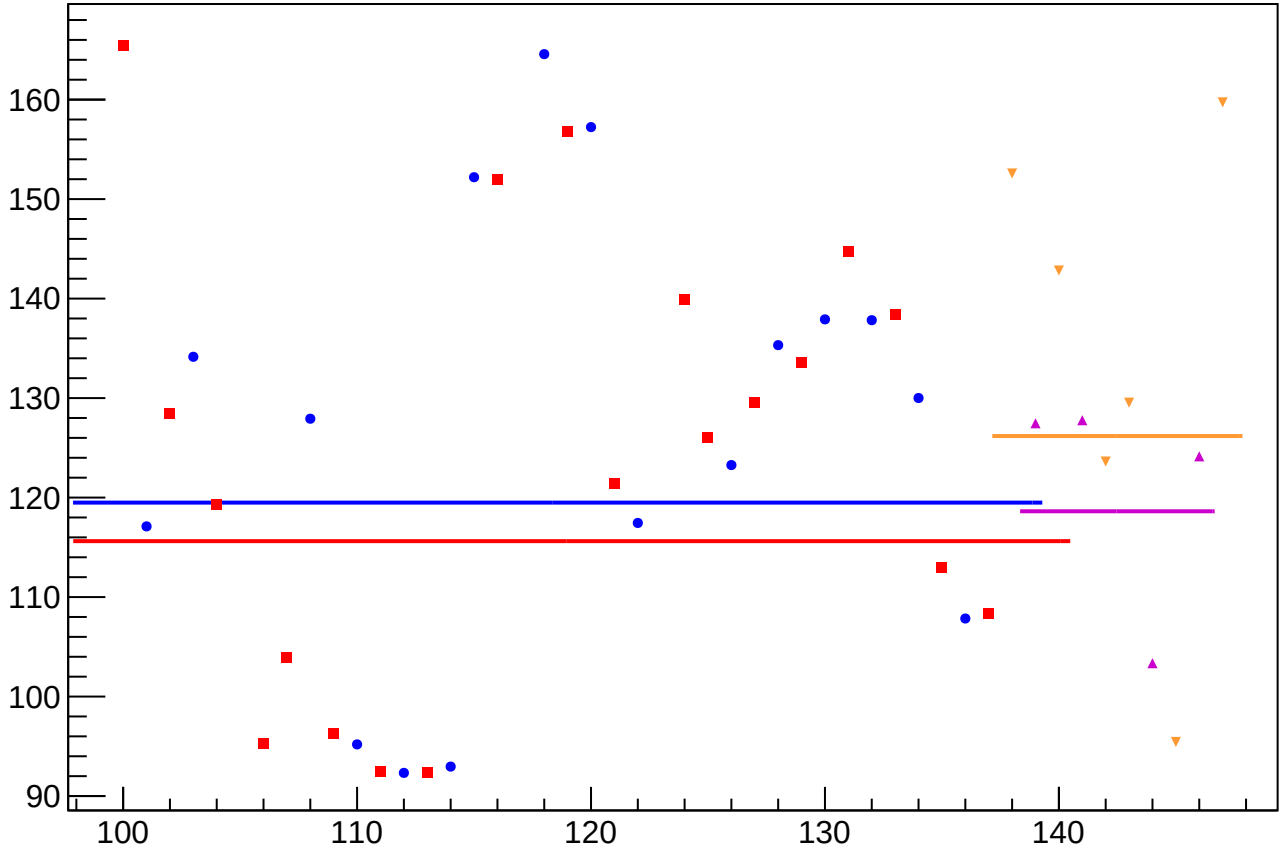
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 151.810+/-37.039 χ^2/NDF:17.8/19

Out: 185.946+/-35.217 χ^2/NDF:17.6/24

All: 169.739+/-25.522 χ^2/NDF: 35.8/44

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 126.185+/-0.043 χ^2/NDF:309159.7/5

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 118.624+/-0.046 χ^2/NDF:58325.3/3

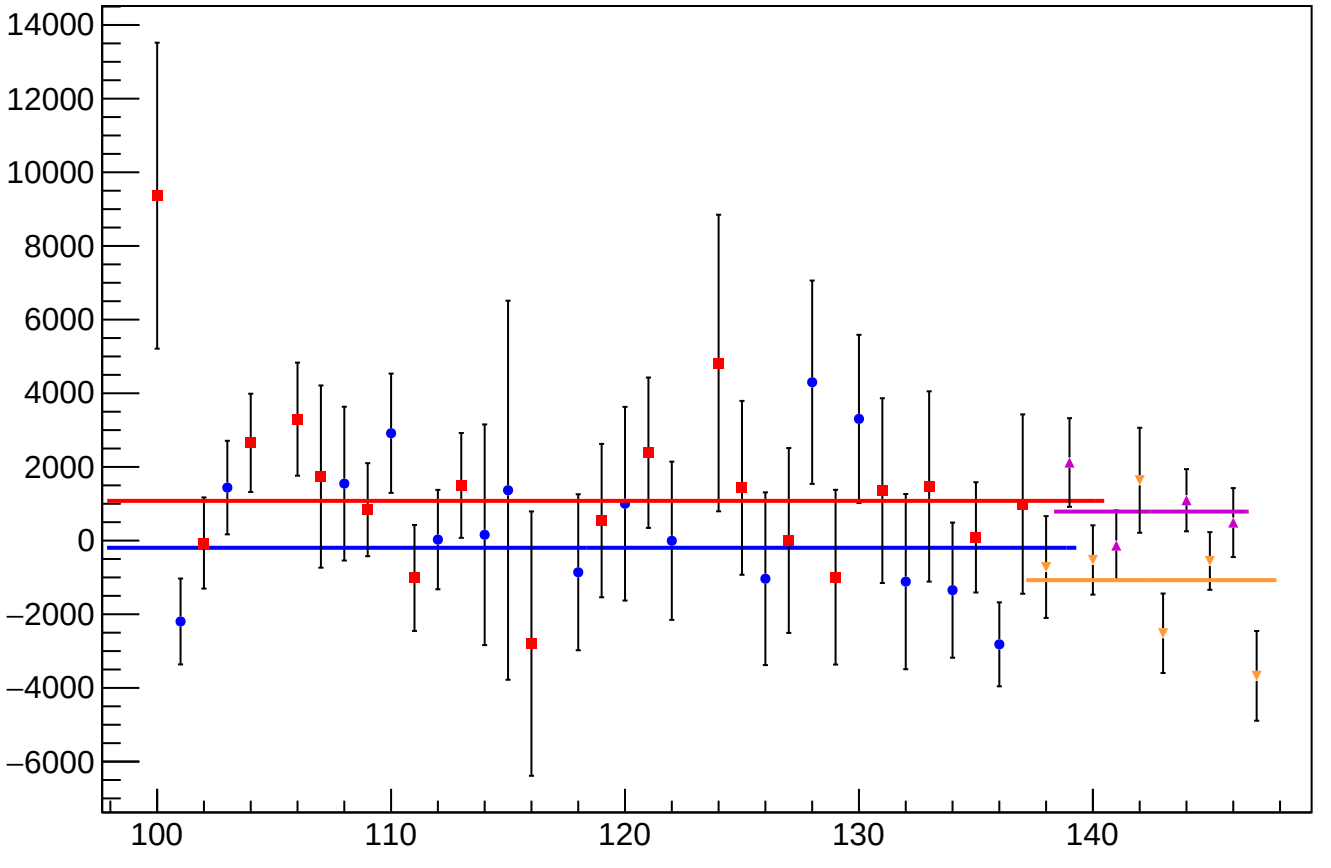
Left: 122.632+/-0.031 χ^2/NDF: 382048.3/9

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 119.207+/-0.026 χ^2/NDF:438820.5/19

Out: 119.173+/-0.025 χ^2/NDF:776275.2/24

All: 119.189+/-0.018 χ^2/NDF: 1215096.6/44



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1073.803+/-434.013 χ^2/NDF:10.8/5

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 787.693+/-480.506 χ^2/NDF:2.4/3

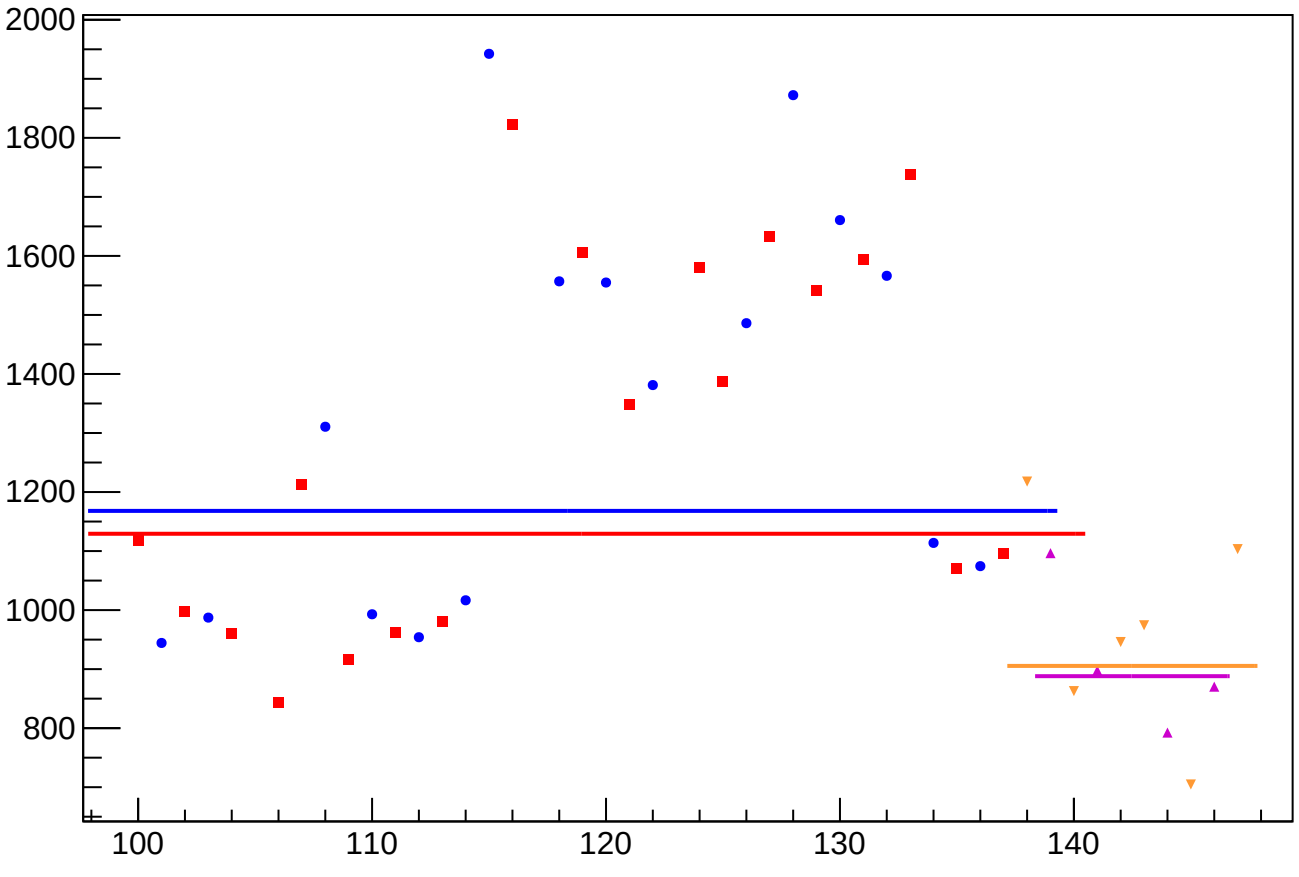
Left: -237.446+/-322.080 χ^2/NDF: 21.5/9

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 261.212+/-327.412 χ^2/NDF:25.0/19

Out: 22.982+/-304.003 χ^2/NDF:37.9/24

All: 133.277+/-222.779 χ^2/NDF: 63.2/44



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 905.457+/-0.307 χ^2/NDF:300230.2/5

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 888.067+/-0.340 χ^2/NDF:86504.1/3

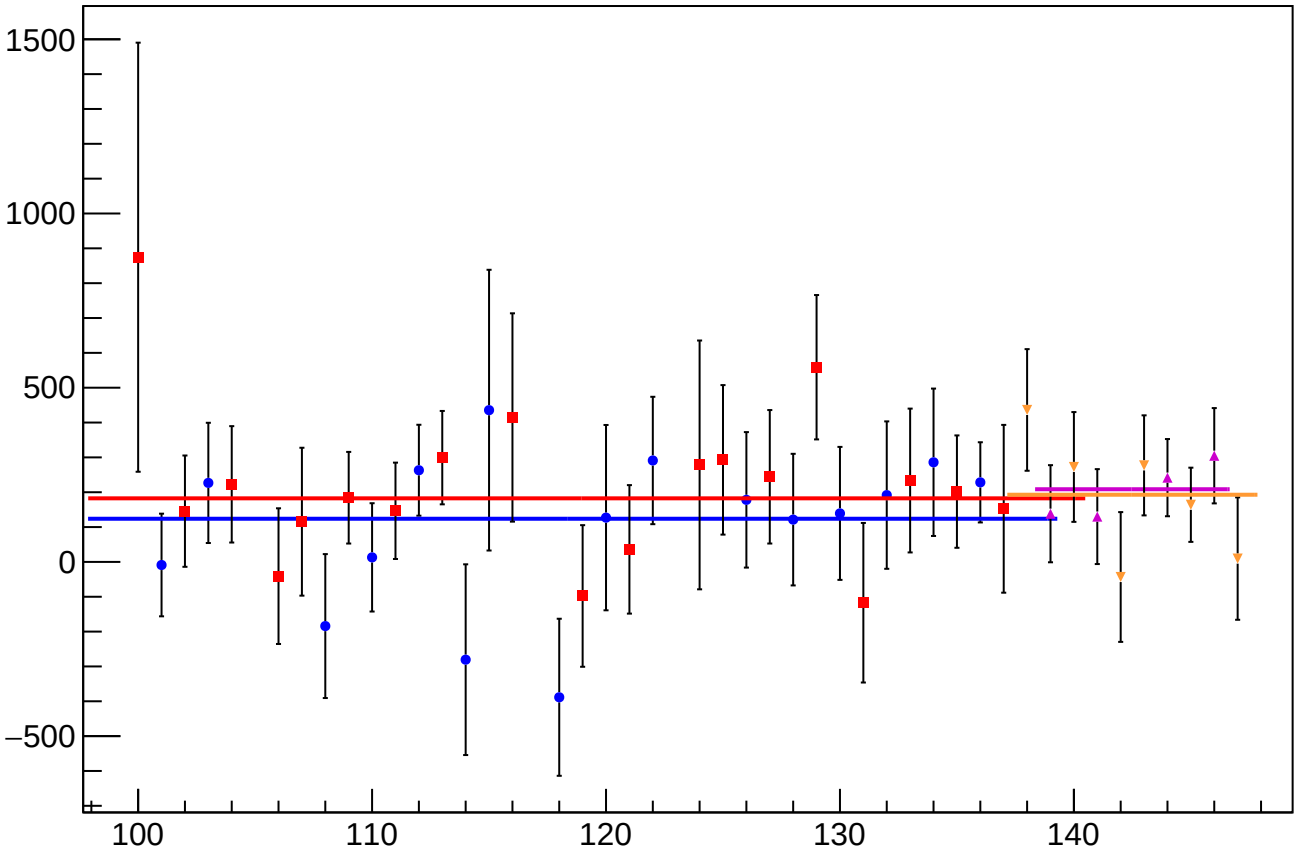
Left: 897.643+/-0.228 χ^2/NDF: 388176.9/9

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1038.062+/-0.232 χ^2/NDF:1159668.7/19

Out: 1019.485+/-0.215 χ^2/NDF:1378480.7/24

All: 1028.086+/-0.158 χ^2/NDF: 2541607.1/44



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 192.817+/-60.737 χ^2/NDF:5.3/5

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 208.589+/-64.514 χ^2/NDF:1.2/3

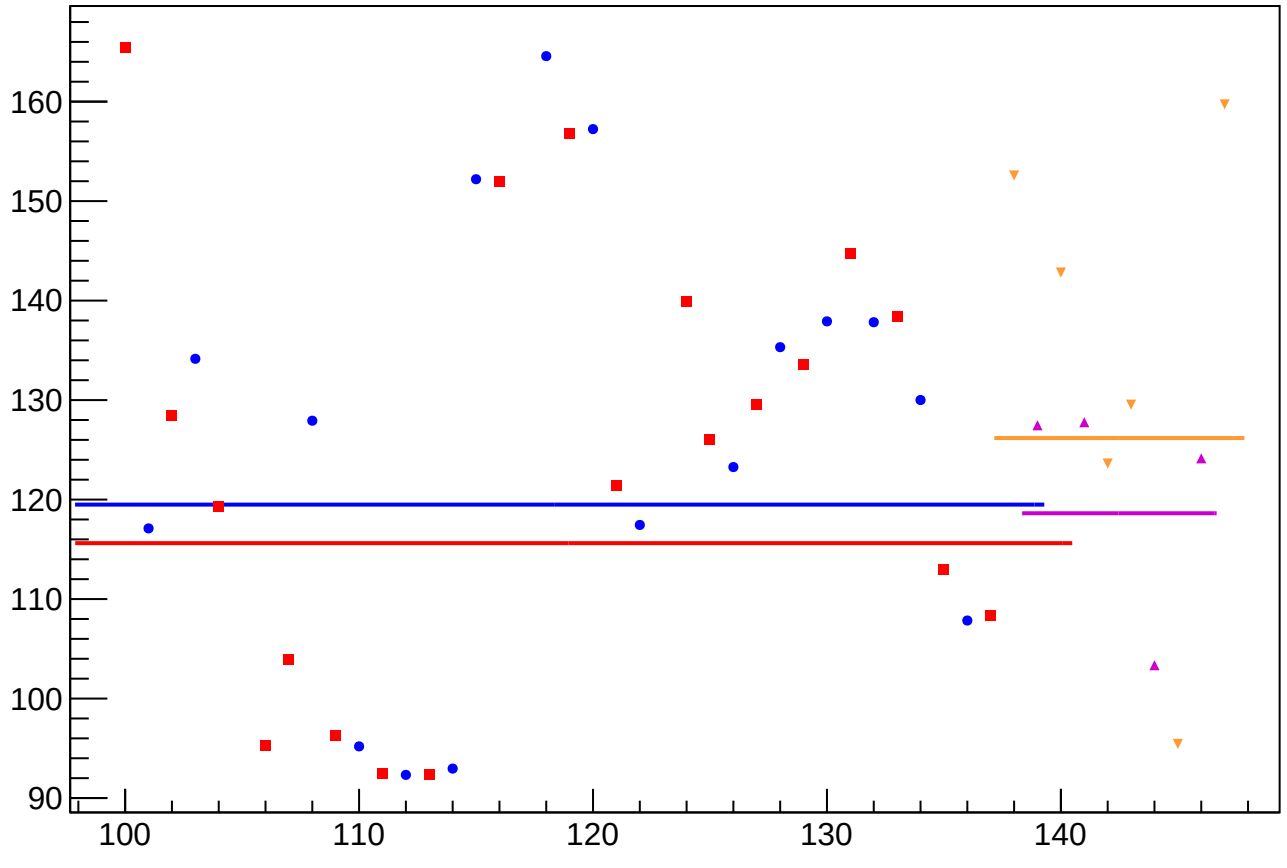
Left: 200.228+/-44.223 χ^2/NDF: 6.5/9

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 151.812+/-37.039 χ^2/NDF:17.8/19

Out: 185.947+/-35.217 χ^2/NDF:17.6/24

All: 169.740+/-25.522 χ^2/NDF: 35.8/44



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 126.185+/-0.043 χ^2/NDF:309157.8/5

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 118.624+/-0.046 χ^2/NDF:58324.5/3

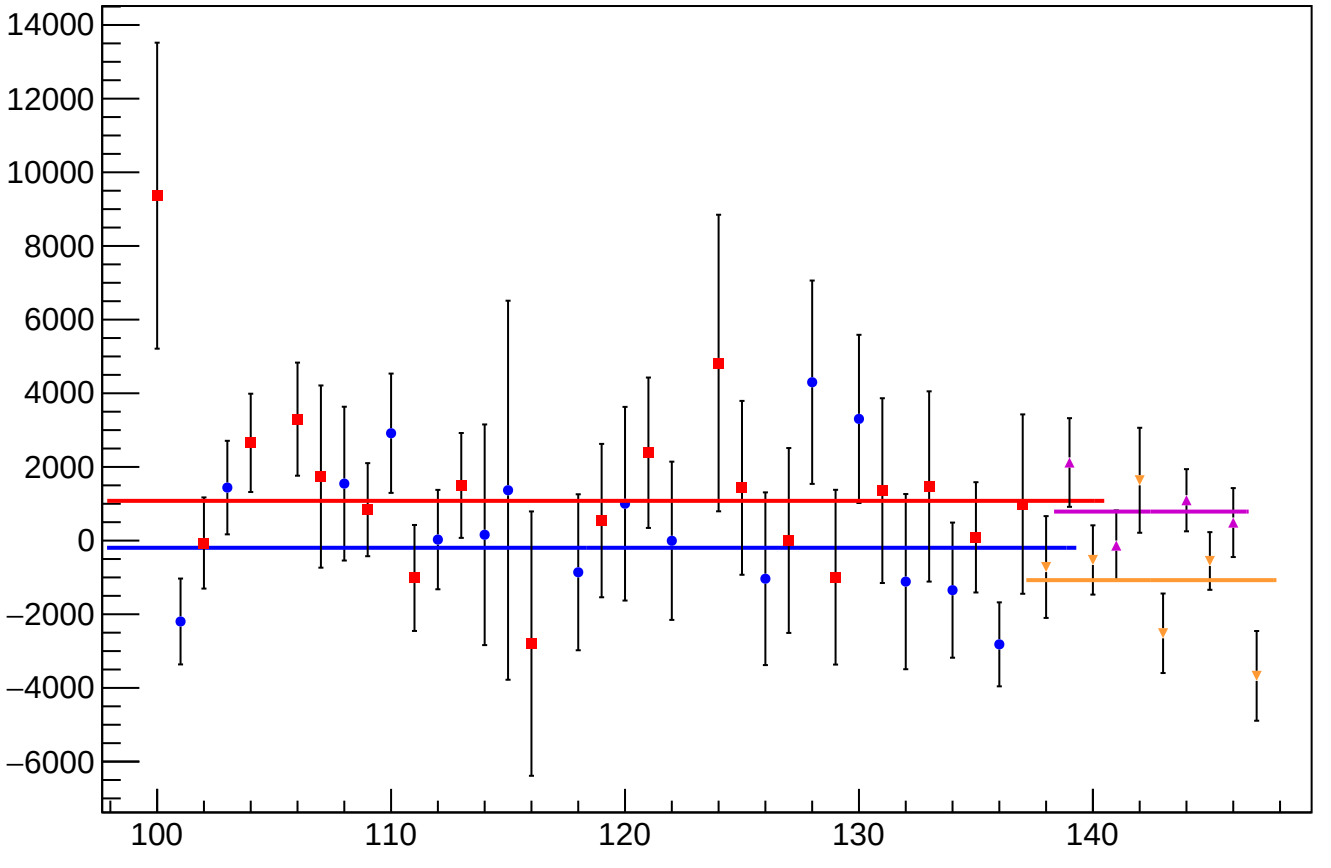
Left: 122.632+/-0.031 χ^2/NDF: 382045.4/9

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 119.208+/-0.026 χ^2/NDF:438823.0/19

Out: 119.173+/-0.025 χ^2/NDF:776278.6/24

All: 119.189+/-0.018 χ^2/NDF: 1215102.5/44



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1073.801+/-434.013 χ^2/NDF:10.8/5

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 787.693+/-480.506 χ^2/NDF:2.4/3

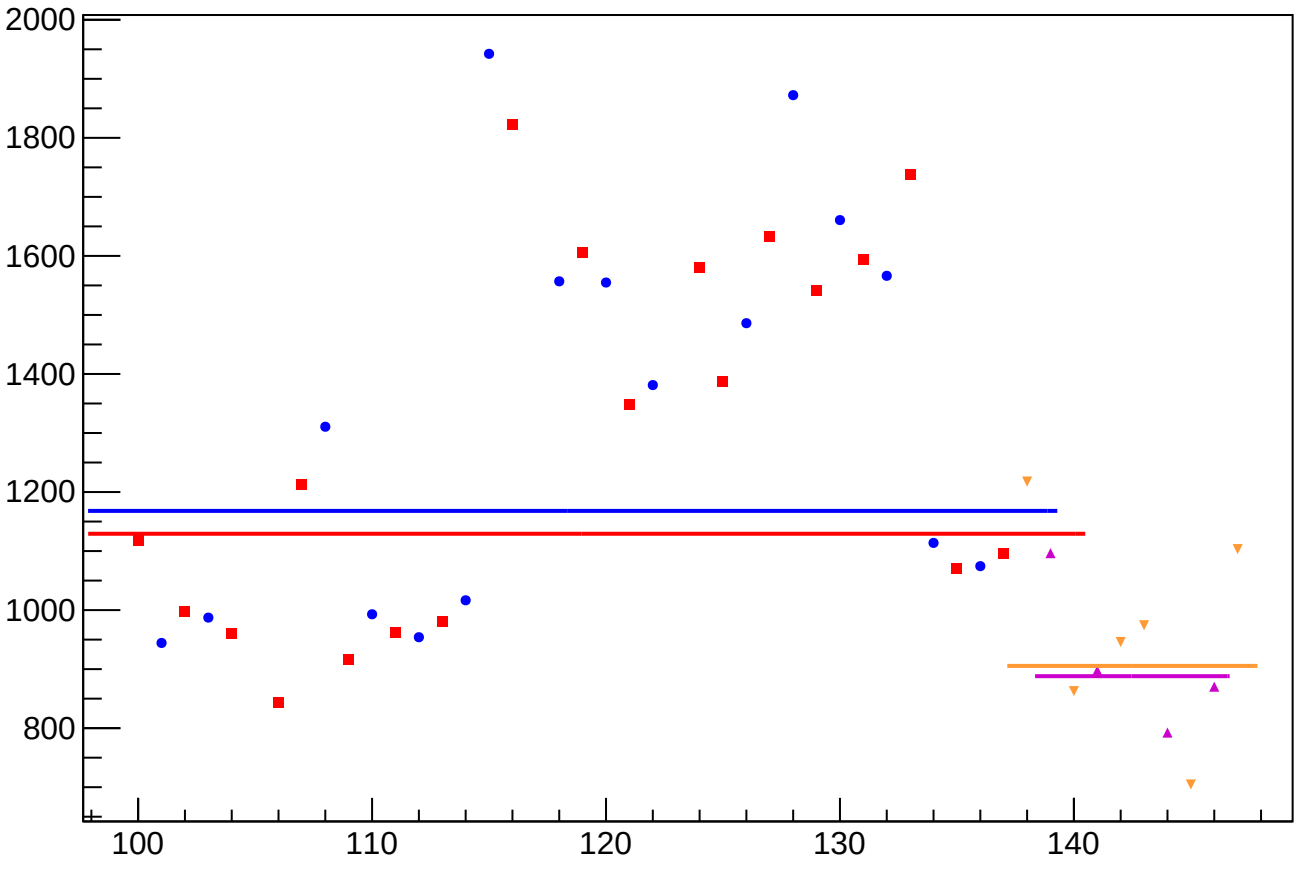
Left: -237.446+/-322.079 χ^2/NDF: 21.5/9

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 261.212+/-327.412 χ^2/NDF:25.0/19

Out: 22.981+/-304.003 χ^2/NDF:37.9/24

All: 133.277+/-222.779 χ^2/NDF: 63.2/44



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 905.455+/-0.307 χ^2/NDF:300233.5/5

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 888.066+/-0.340 χ^2/NDF:86504.0/3

Left: 897.643+/-0.228 χ^2/NDF: 388179.9/9

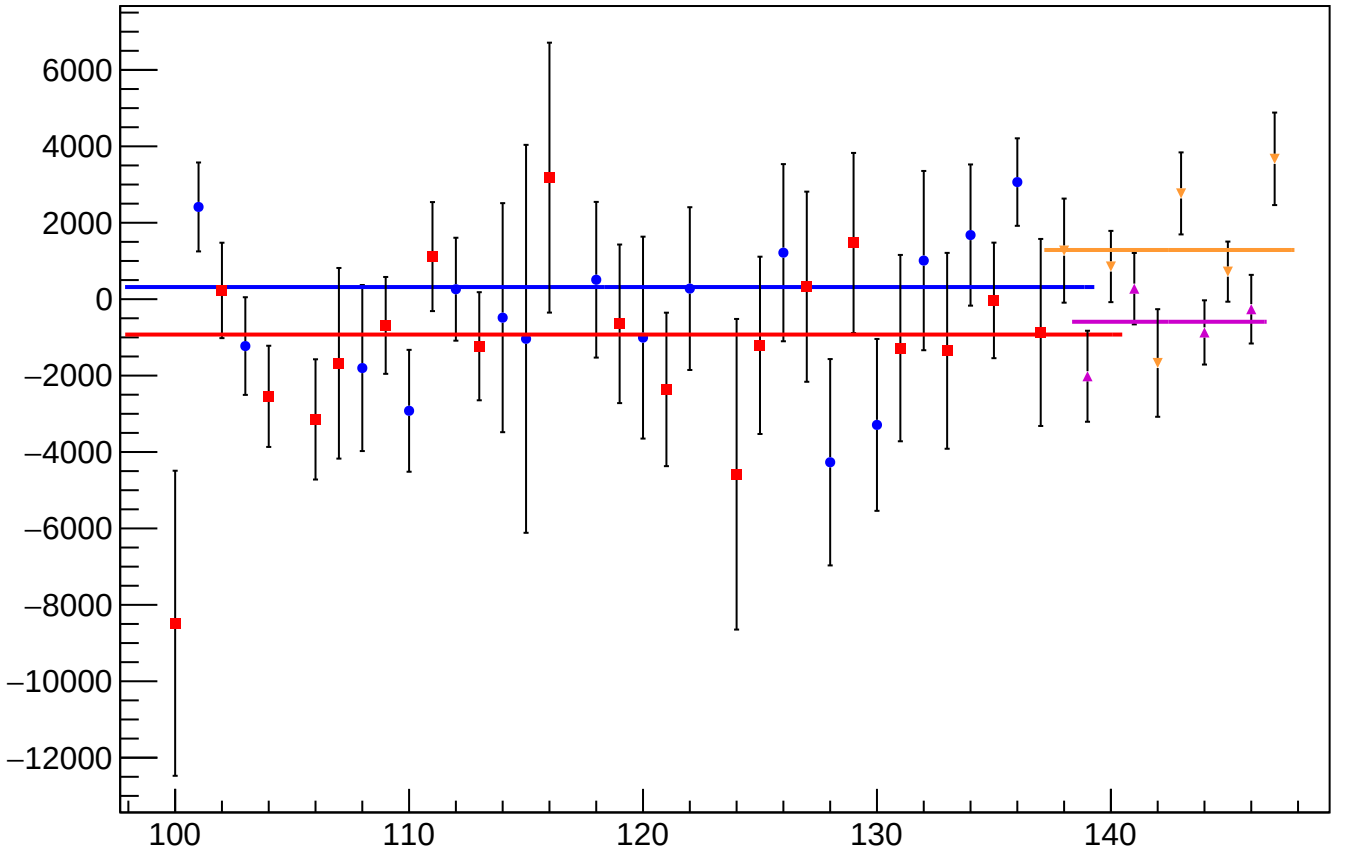
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1038.062+/-0.232 χ^2/NDF:1159670.6/19

Out: 1019.484+/-0.215 χ^2/NDF:1378488.3/24

All: 1028.085+/-0.158 χ^2/NDF: 2541616.9/44

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1287.310+/-431.963 χ^2/NDF:10.9/5

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -591.289+/-471.155 χ^2/NDF:2.5/3

Left: 429.382+/-318.400 χ^2/NDF: 22.1/9

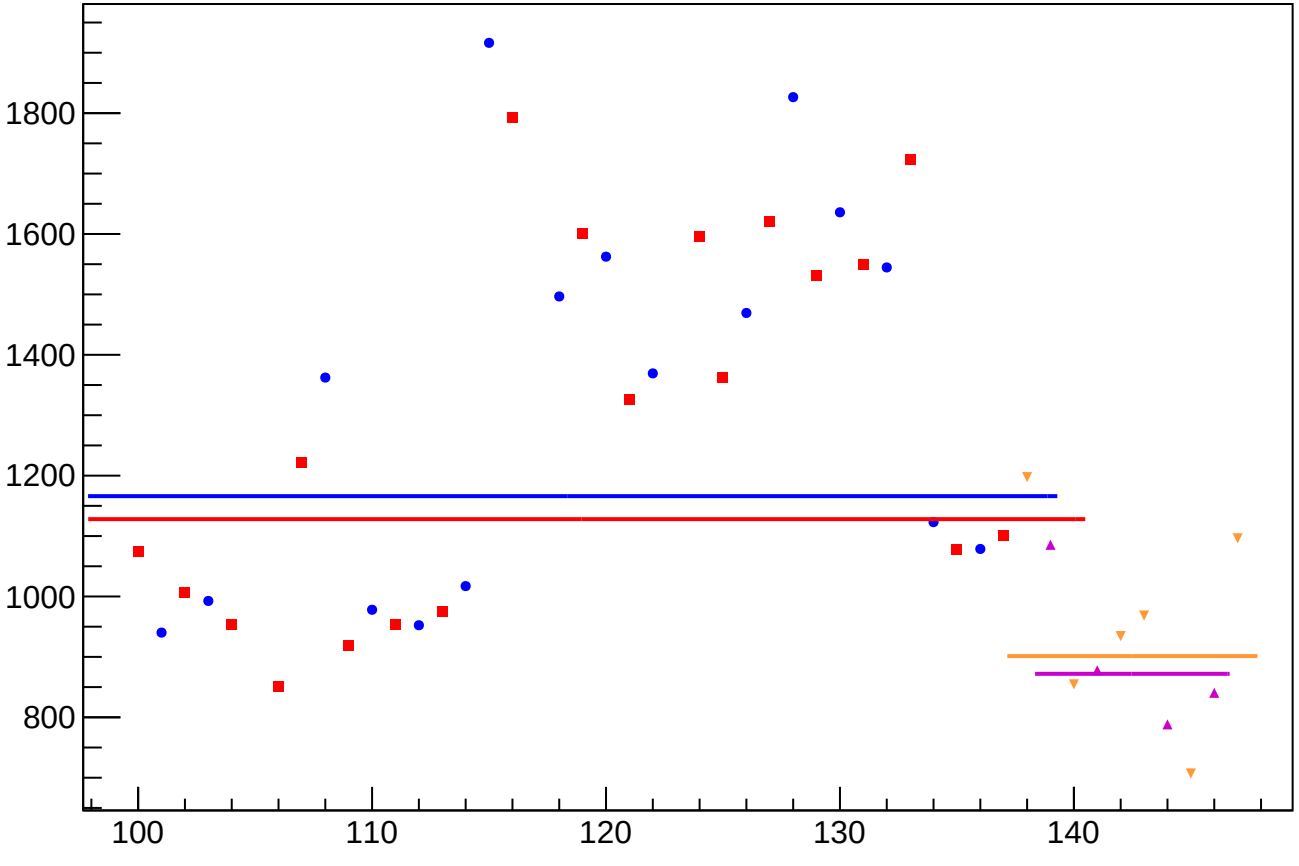
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -112.404+/-324.028 χ^2/NDF:26.7/19

Out: 163.707+/-303.099 χ^2/NDF:38.8/24

All: 34.856+/-221.353 χ^2/NDF: 65.9/44

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 901.328+/-0.305 χ^2/NDF:282346.7/5

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 871.982+/-0.333 χ^2/NDF:86646.5/3

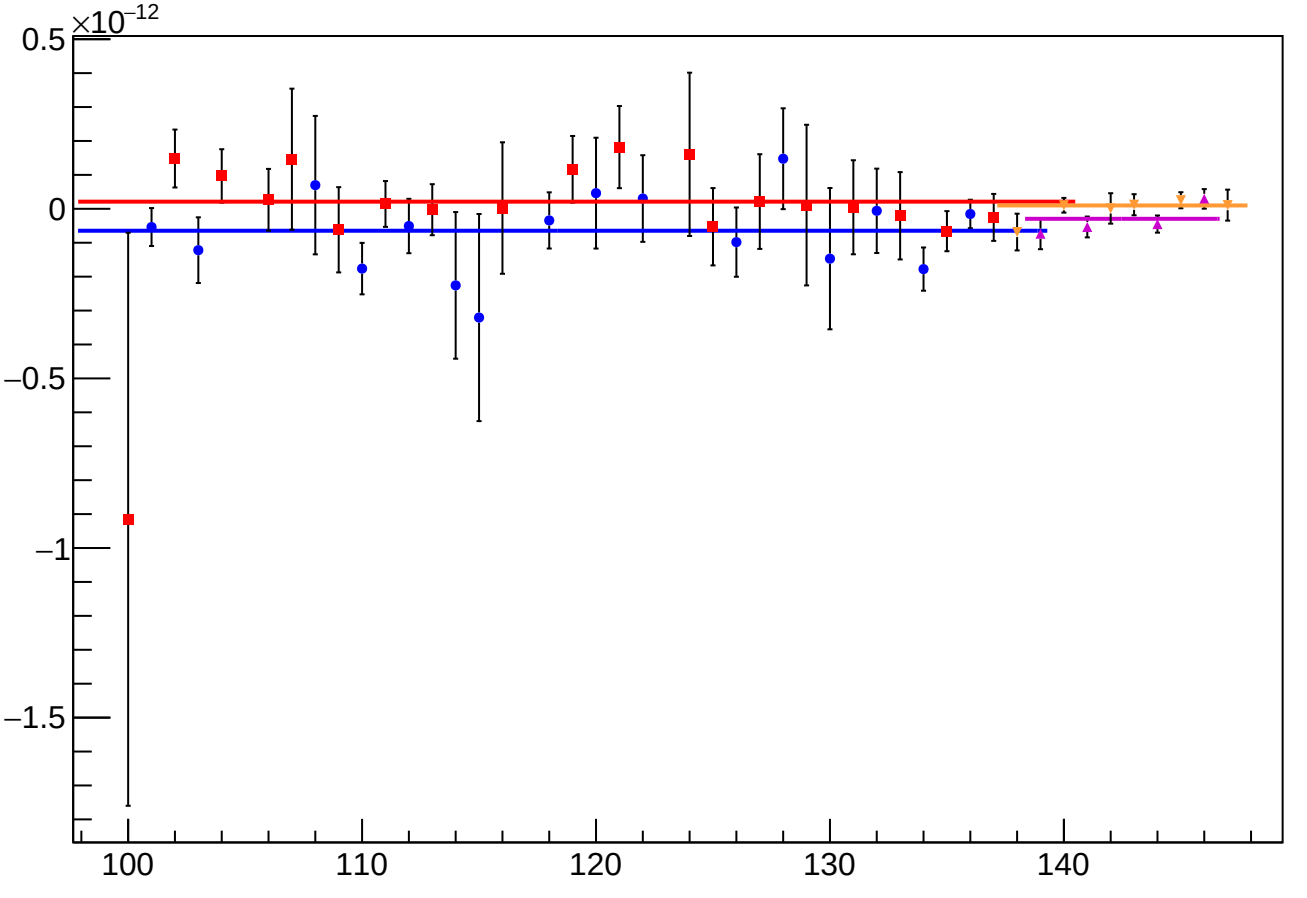
Left: 887.926+/-0.225 χ^2/NDF: 373208.6/9

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1026.967+/-0.229 χ^2/NDF:1174337.4/19

Out: 1016.401+/-0.214 χ^2/NDF:1337703.3/24

All: 1021.332+/-0.157 χ^2/NDF: 2513174.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/3

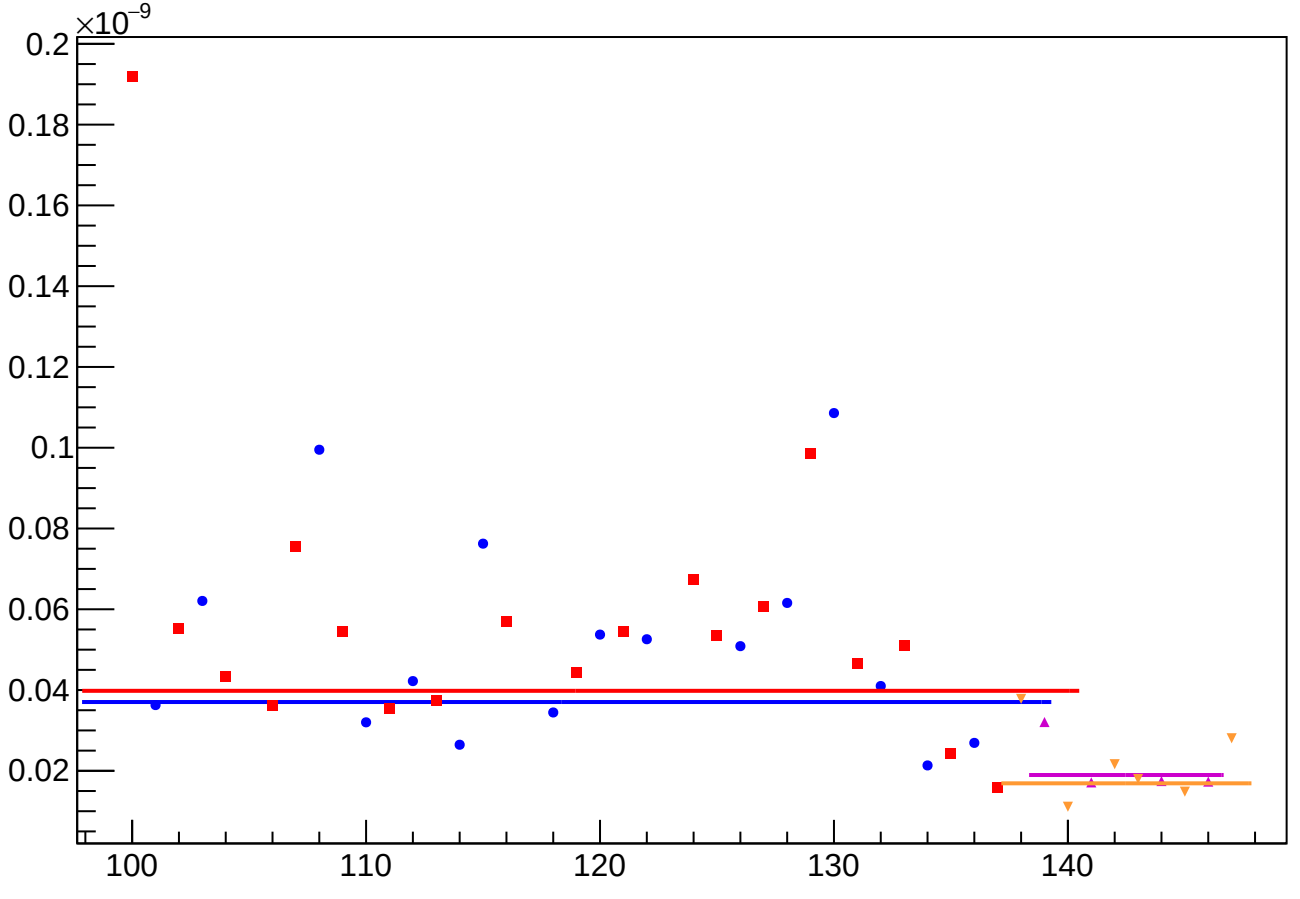
Left: -0.000+/-0.000 χ^2/NDF: 12.6/9

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:20.3/19

Out: 0.000+/-0.000 χ^2/NDF:14.2/24

All: -0.000+/-0.000 χ^2/NDF: 44.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:600324.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:184553.9/3

Left: 0.000+/-0.000 χ^2/NDF: 806556.9/9

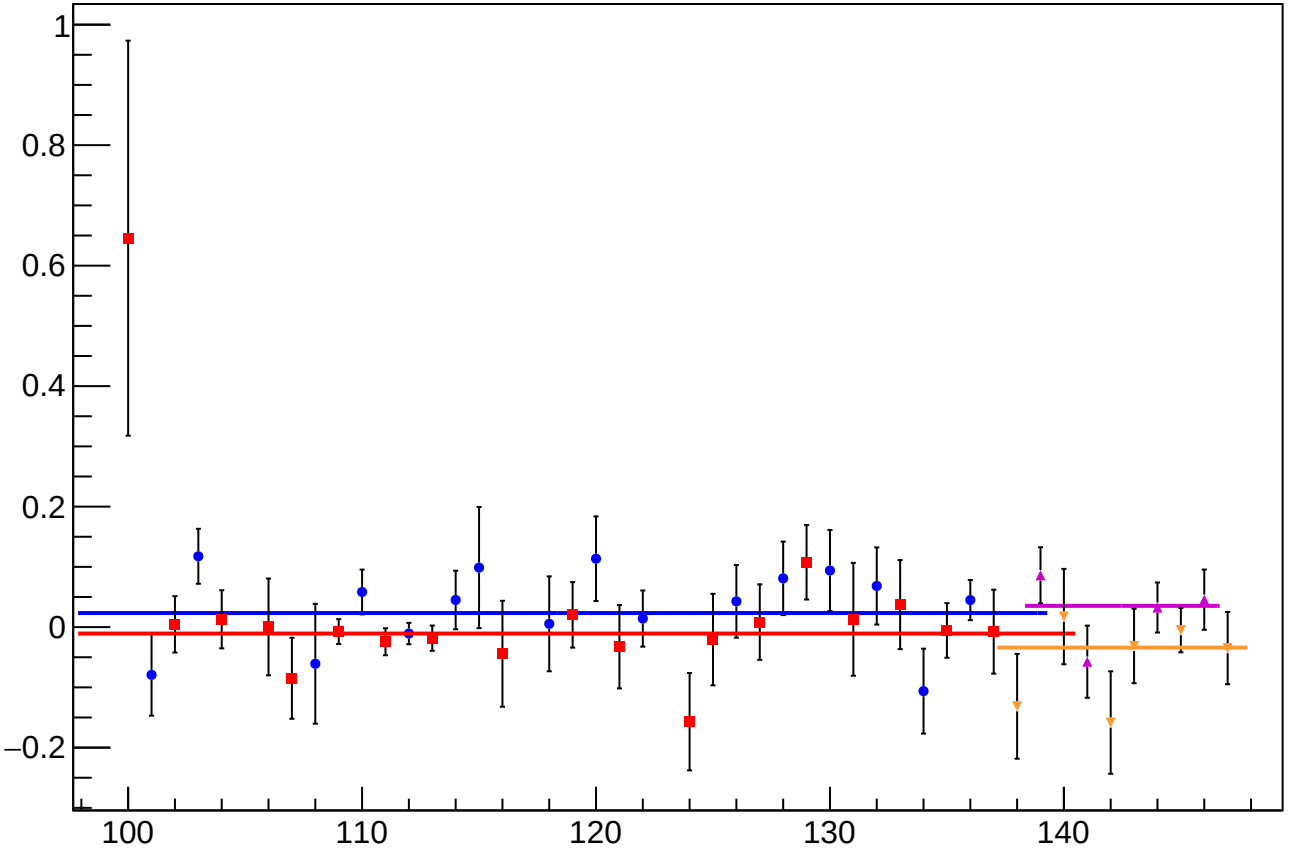
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2101116.7/19

Out: 0.000+/-0.000 χ^2/NDF:3016024.3/24

All: 0.000+/-0.000 χ^2/NDF: 5169574.5/44

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.024 χ^2/NDF:3.6/3

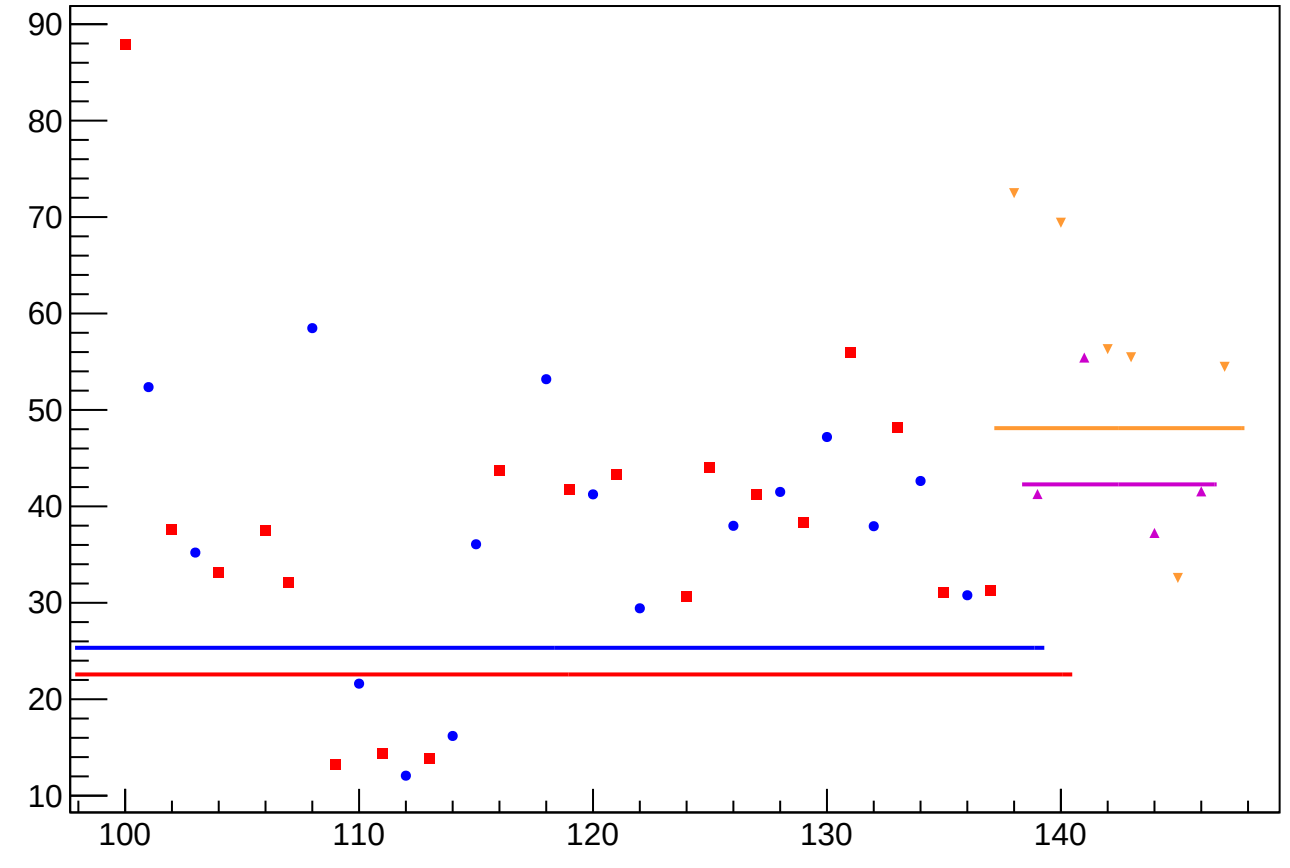
Left: 0.001+/-0.017 χ^2/NDF: 12.2/9

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.6/19

Out: -0.014+/-0.009 χ^2/NDF:19.5/24

All: 0.004+/-0.007 χ^2/NDF: 52.5/44



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.111+/-0.017 χ^2/NDF:726816.2/5

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.279+/-0.017 χ^2/NDF:127230.5/3

Left: 45.185+/-0.012 χ^2/NDF: 912302.3/9

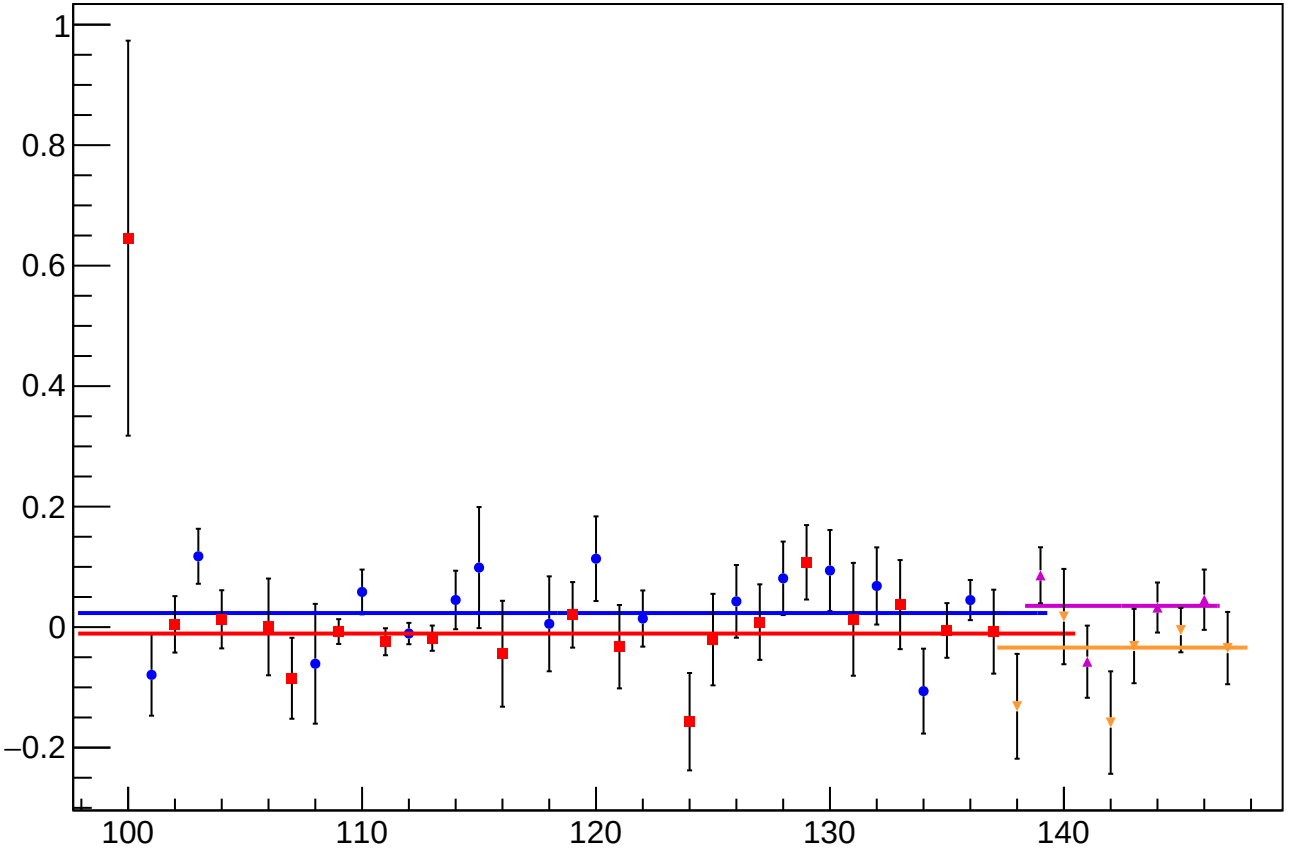
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 28.282+/-0.007 χ^2/NDF:3867943.1/19

Out: 26.170+/-0.006 χ^2/NDF:5779976.9/24

All: 27.119+/-0.005 χ^2/NDF: 9696470.2/44

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: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.024 χ^2/NDF:3.6/3

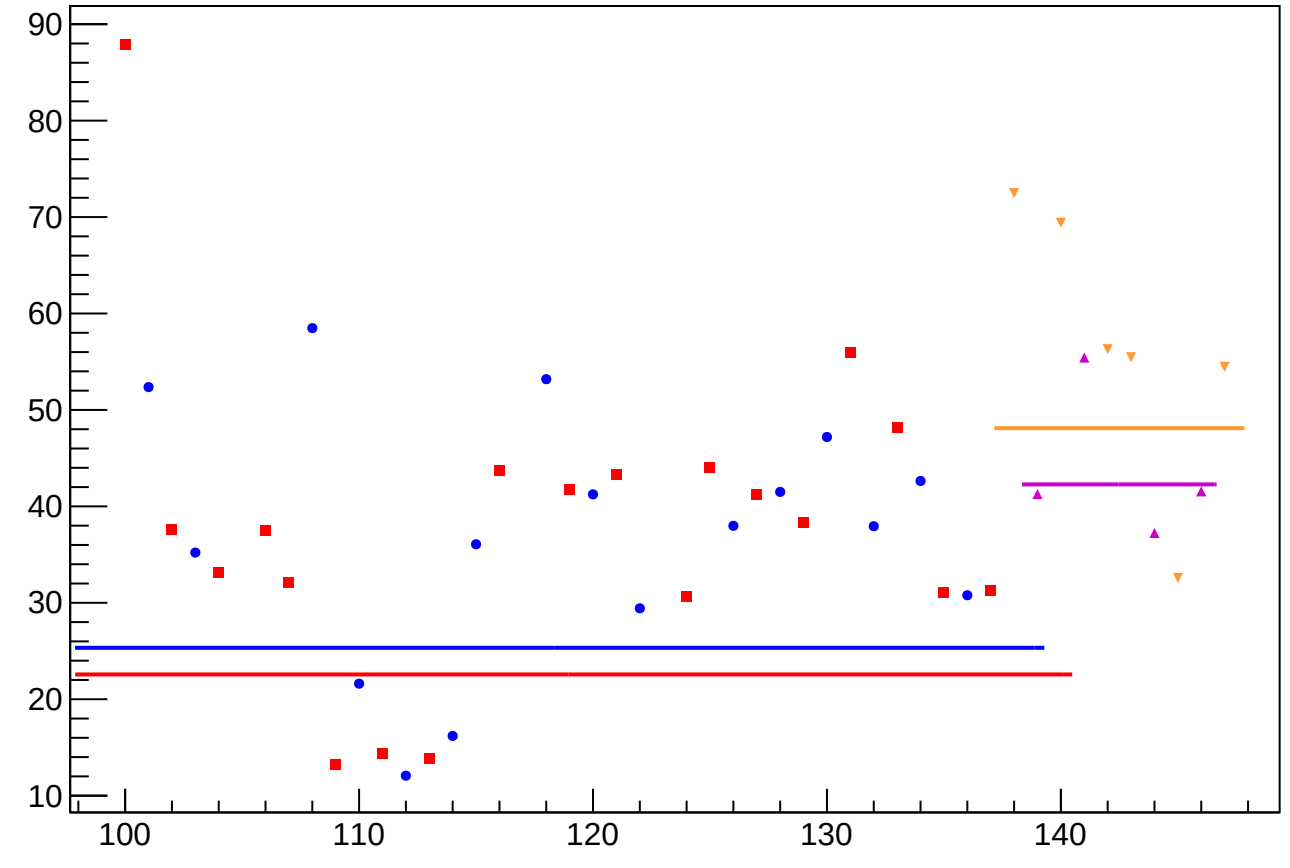
Left: 0.001+/-0.017 χ^2/NDF: 12.2/9

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.6/19

Out: -0.014+/-0.009 χ^2/NDF:19.5/24

All: 0.004+/-0.007 χ^2/NDF: 52.5/44



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.111+/-0.017 χ^2/NDF:726816.2/5

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 42.279+/-0.017 χ^2/NDF:127230.5/3

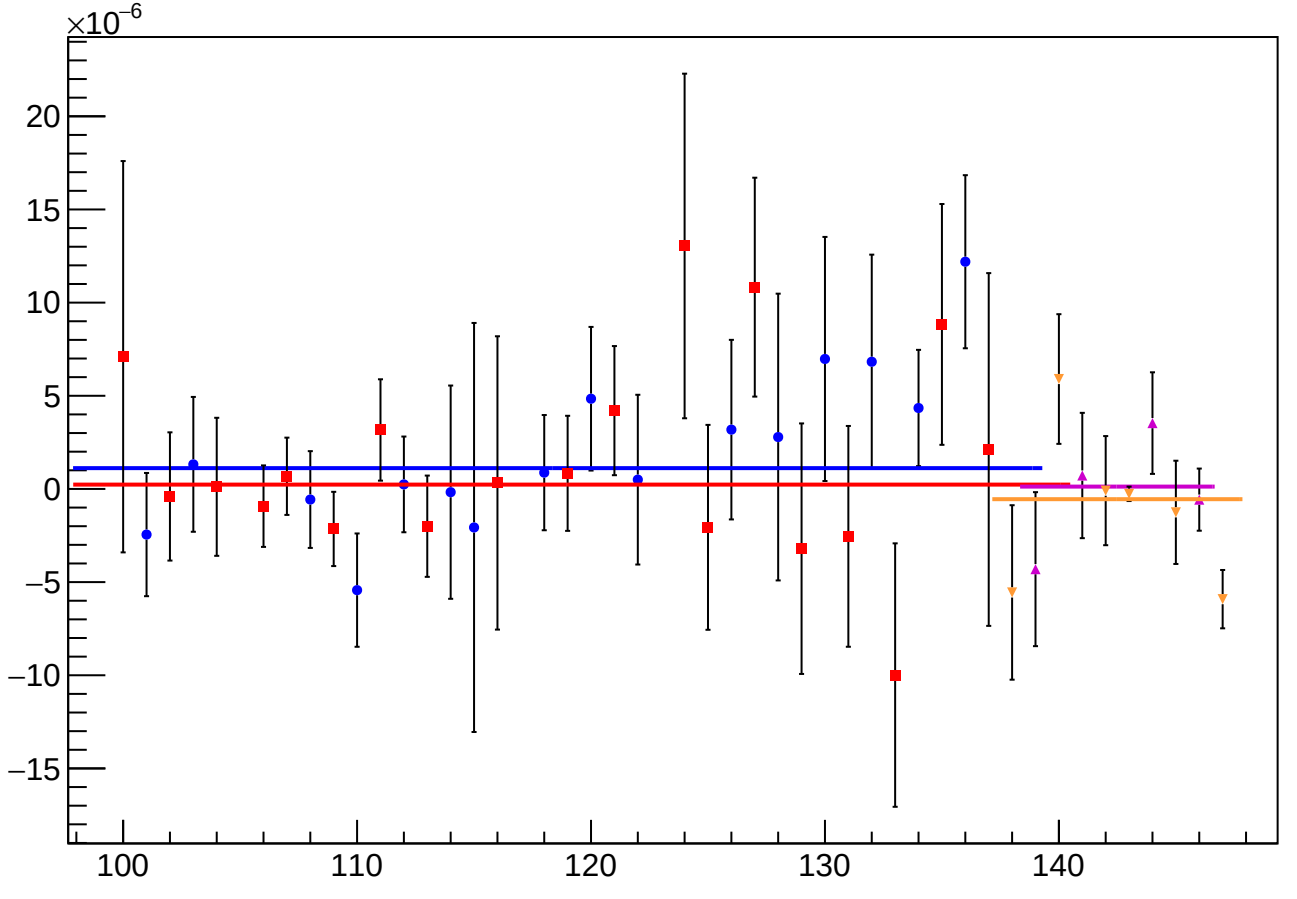
Left: 45.185+/-0.012 χ^2/NDF: 912302.3/9

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 28.282+/-0.007 χ^2/NDF:3867943.1/19

Out: 26.170+/-0.006 χ^2/NDF:5779976.9/24

All: 27.119+/-0.005 χ^2/NDF: 9696470.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/3

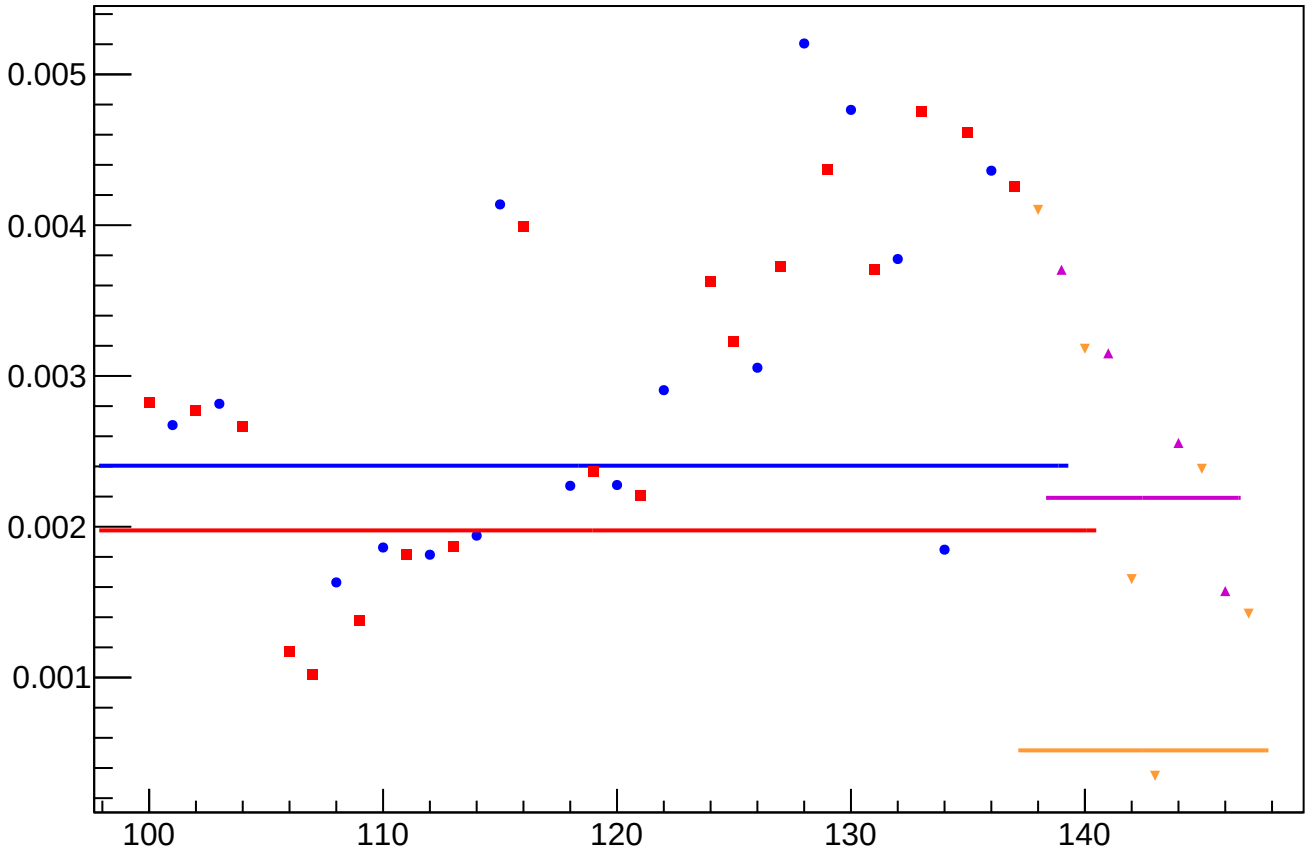
Left: -0.000+/-0.000 χ^2/NDF: 20.2/9

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:19.5/19

Out: -0.000+/-0.000 χ^2/NDF:32.9/24

All: -0.000+/-0.000 χ^2/NDF: 54.4/44



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:4604089.0/5

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:741066.7/3

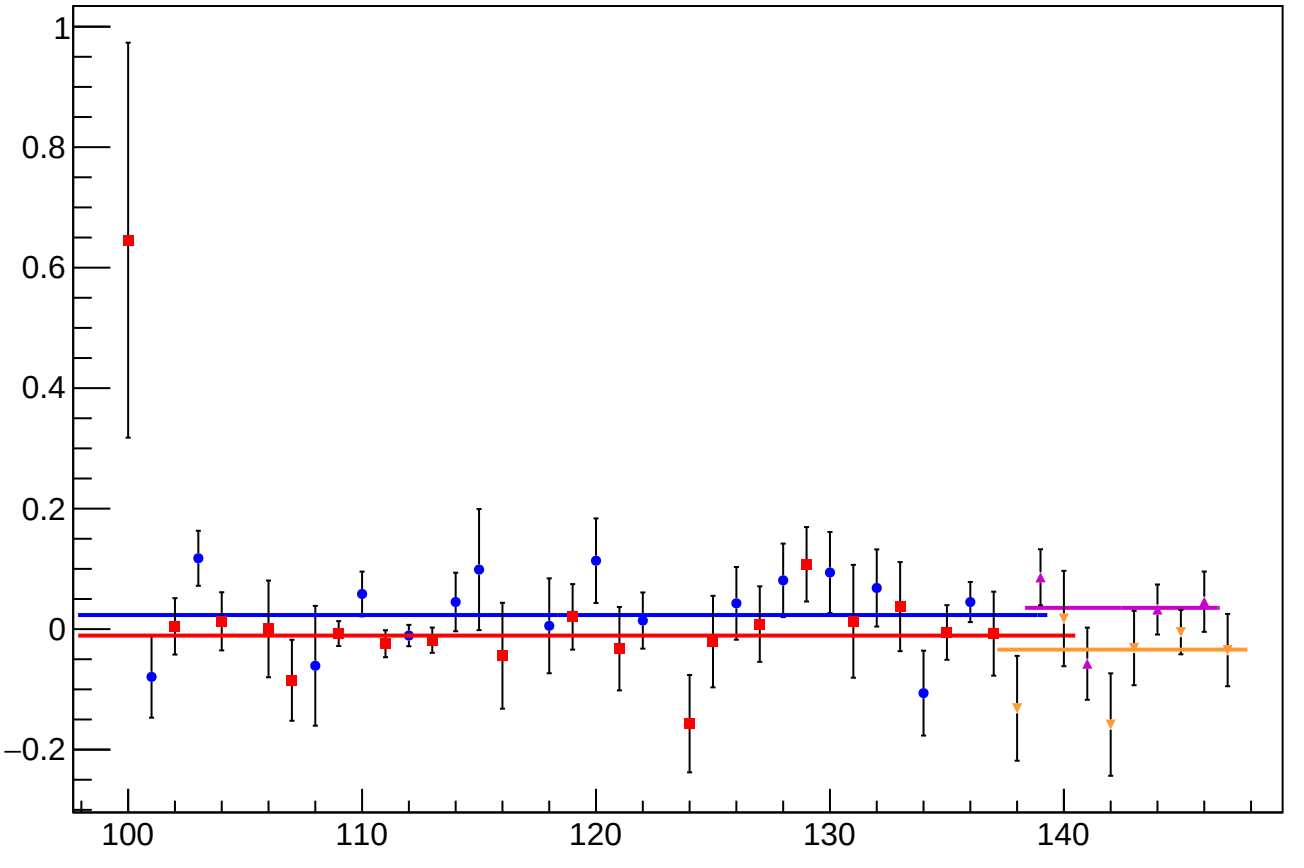
Left: 0.001+/-0.000 χ^2/NDF: 8658701.7/9

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:2349838.5/19

Out: 0.001+/-0.000 χ^2/NDF:12741738.8/24

All: 0.001+/-0.000 χ^2/NDF: 22221459.3/44



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.024 χ^2/NDF:3.6/3

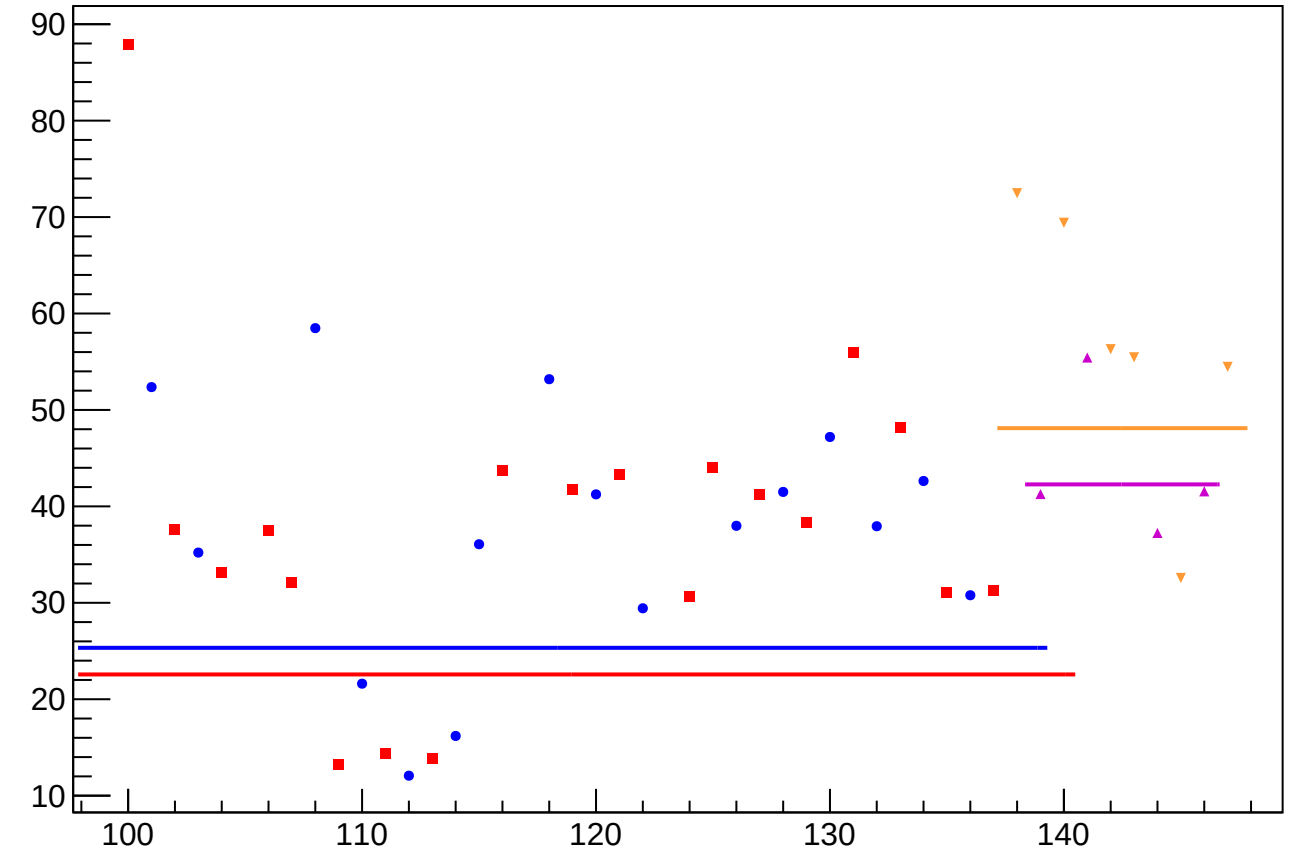
Left: 0.001+/-0.017 χ^2/NDF: 12.2/9

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.6/19

Out: -0.014+/-0.009 χ^2/NDF:19.5/24

All: 0.004+/-0.007 χ^2/NDF: 52.5/44



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.111+/-0.017 χ^2/NDF:726784.7/5

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 42.280+/-0.017 χ^2/NDF:127228.3/3

Left: 45.185+/-0.012 χ^2/NDF: 912267.7/9

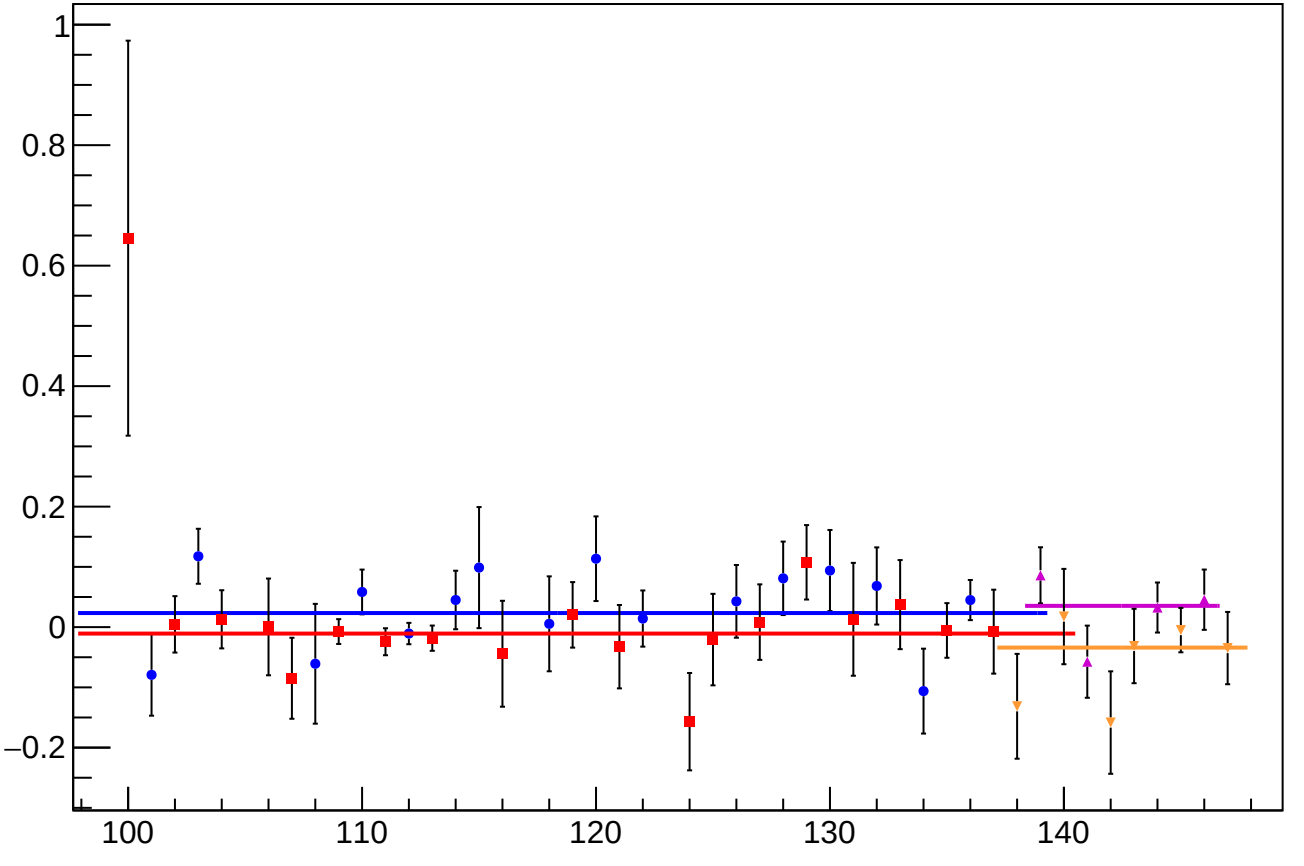
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 28.281+/-0.007 χ^2/NDF:3868524.7/19

Out: 26.170+/-0.006 χ^2/NDF:5780184.2/24

All: 27.118+/-0.005 χ^2/NDF: 9697219.1/44

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: -0.034+/-0.024 χ^2/NDF:4.4/5

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.024 χ^2/NDF:3.6/3

Left: 0.001+/-0.017 χ^2/NDF: 12.2/9

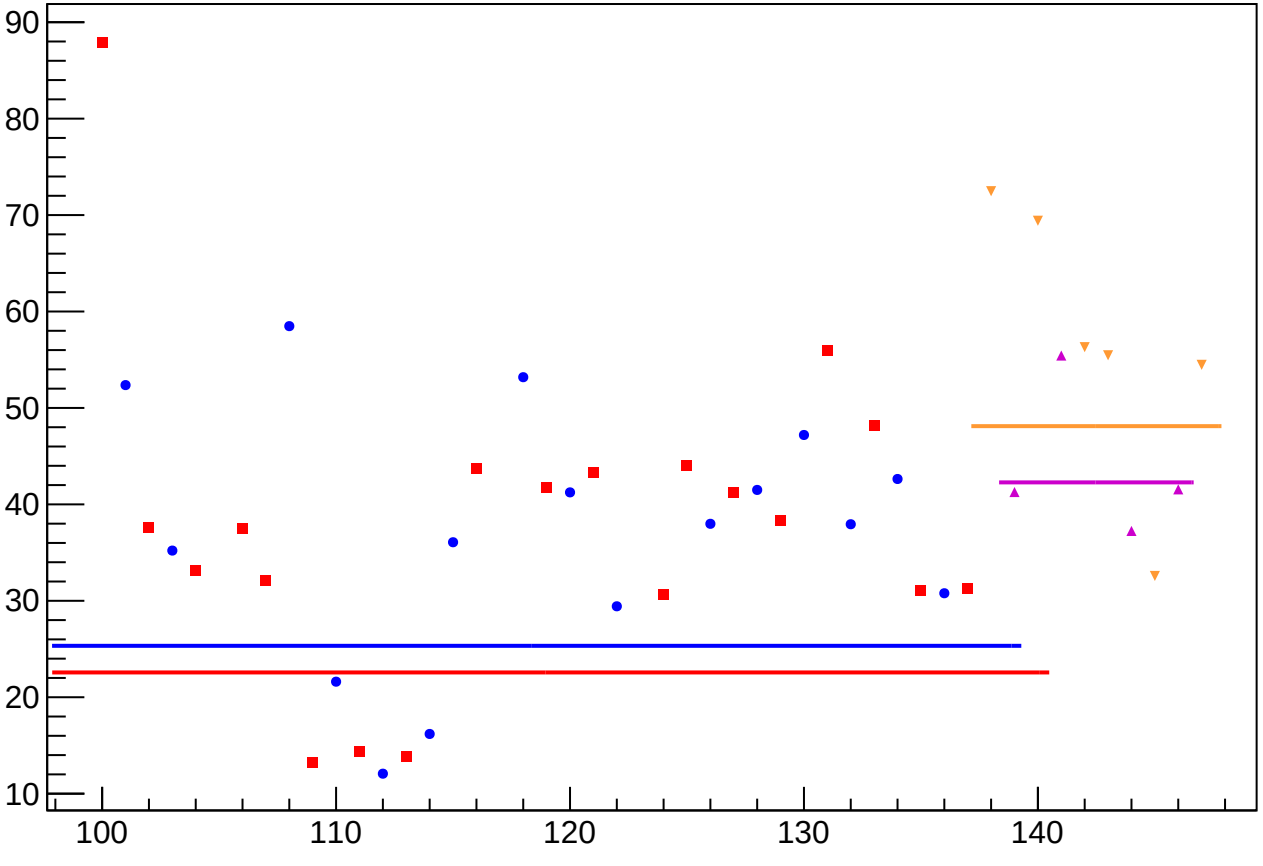
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:24.6/19

Out: -0.014+/-0.009 χ^2/NDF:19.5/24

All: 0.004+/-0.007 χ^2/NDF: 52.5/44

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: 48.111+/-0.017 χ^2/NDF:726784.7/5

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 42.280+/-0.017 χ^2/NDF:127228.3/3

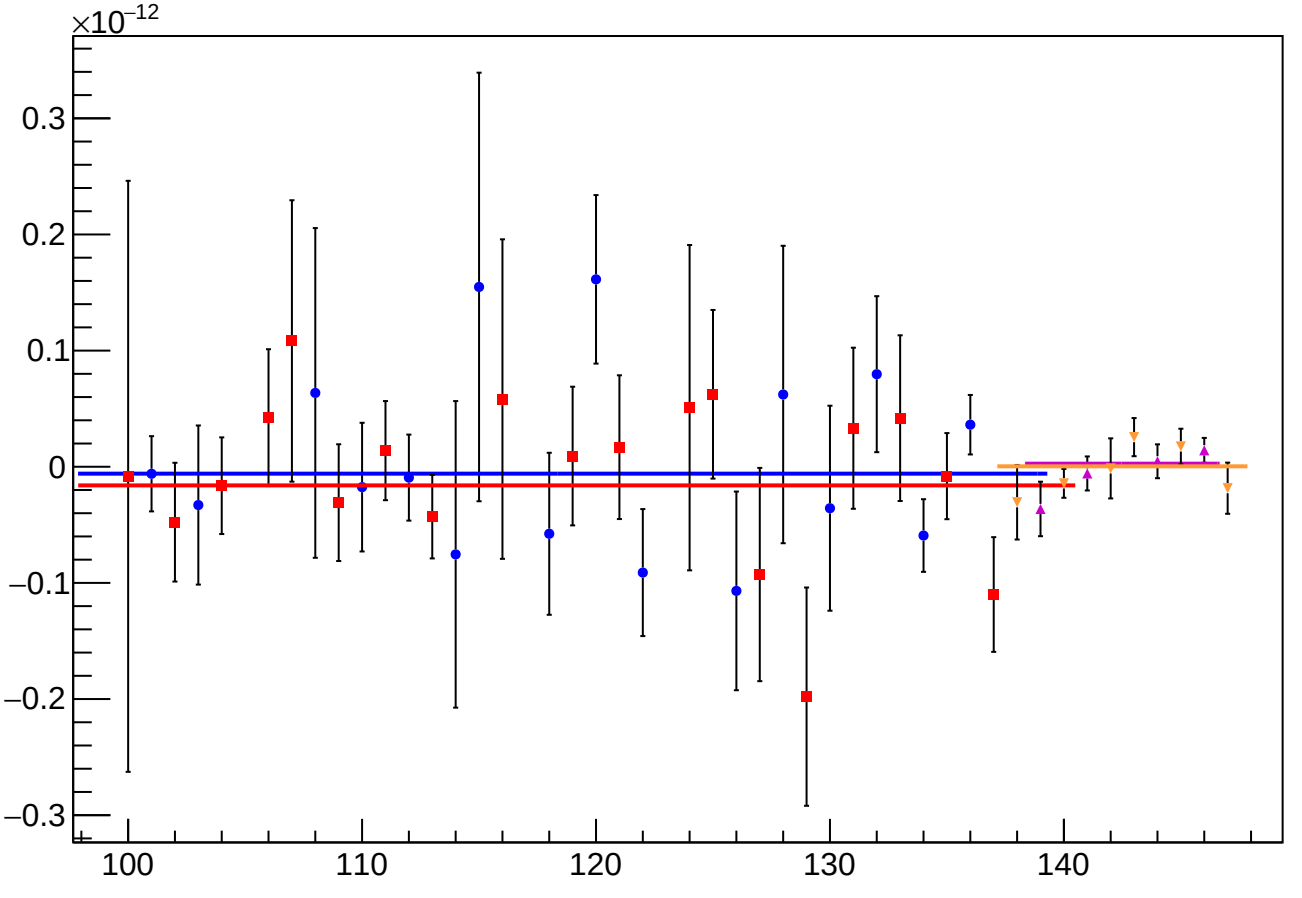
Left: 45.185+/-0.012 χ^2/NDF: 912267.7/9

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 28.281+/-0.007 χ^2/NDF:3868524.7/19

Out: 26.170+/-0.006 χ^2/NDF:5780184.2/24

All: 27.118+/-0.005 χ^2/NDF: 9697219.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/3

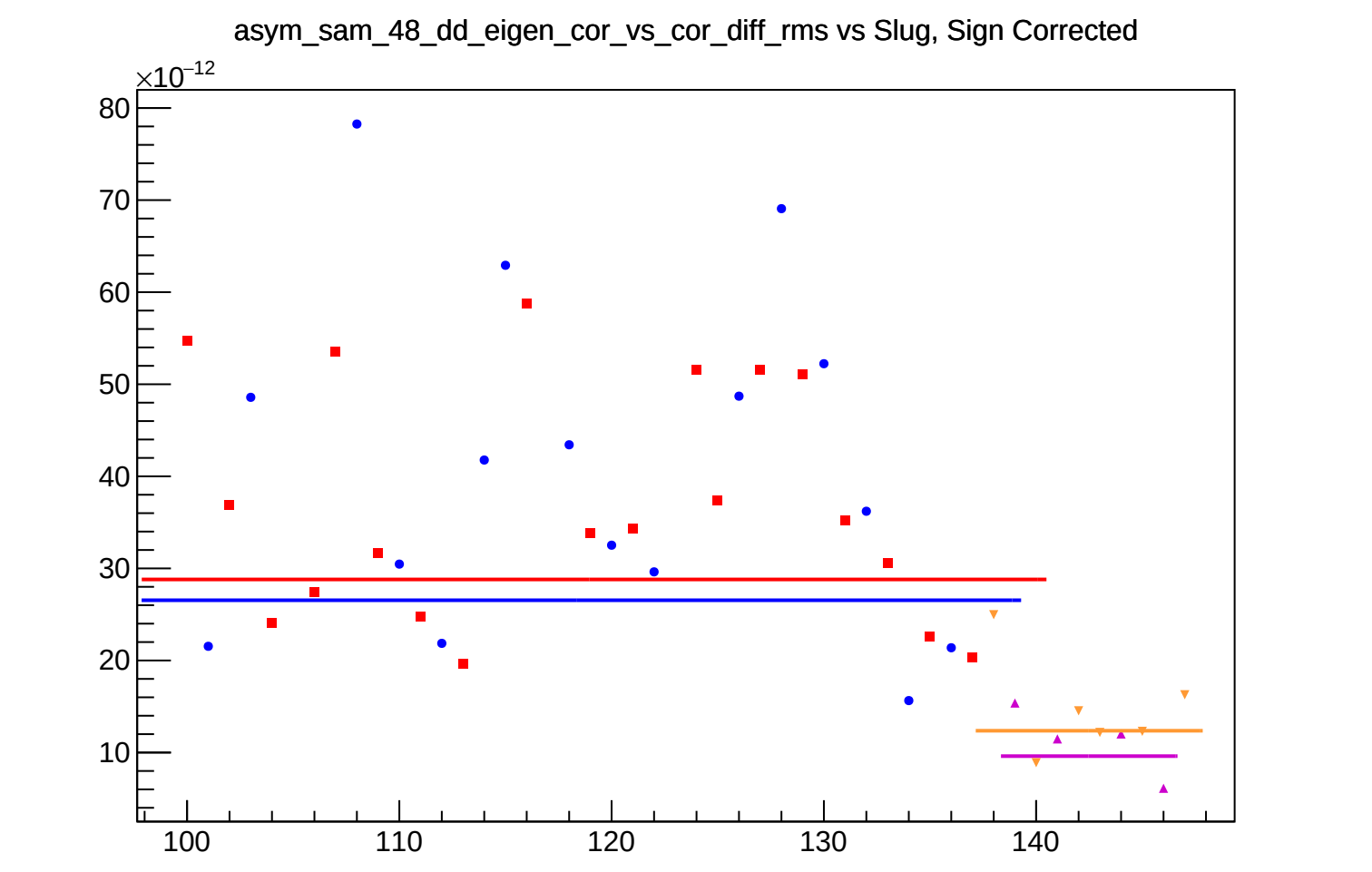
Left: 0.000+/-0.000 χ^2/NDF: 11.0/9

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:23.4/19

Out: -0.000+/-0.000 χ^2/NDF:22.8/24

All: -0.000+/-0.000 χ^2/NDF: 46.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:541944.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:421211.6/3

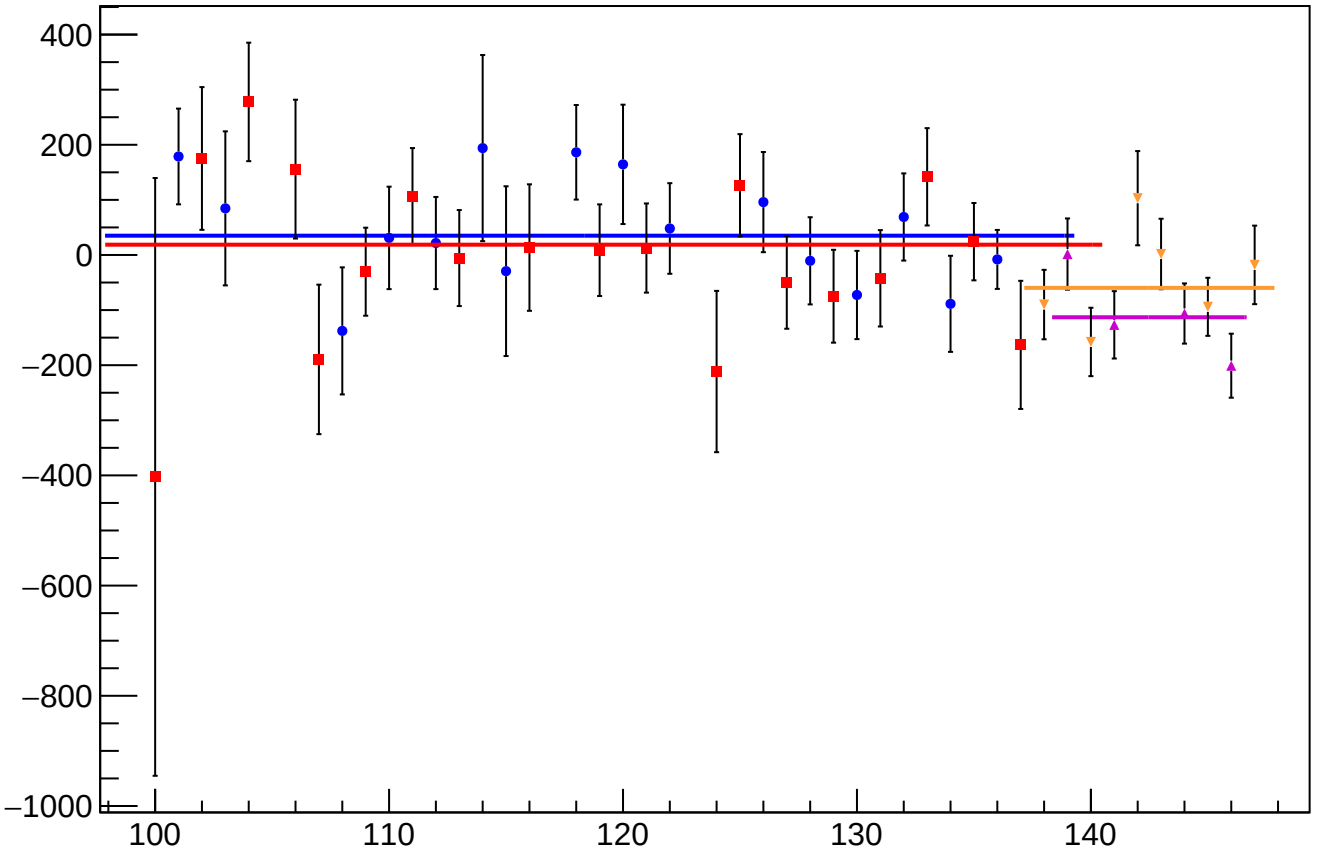
Left: 0.000+/-0.000 χ^2/NDF: 1111256.6/9

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:4819905.1/19

Out: 0.000+/-0.000 χ^2/NDF:3807889.8/24

All: 0.000+/-0.000 χ^2/NDF: 8788300.7/44



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -59.677+/-26.268 χ^2/NDF:8.0/5

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -113.017+/-29.634 χ^2/NDF:5.5/3

Left: -83.147+/-19.657 χ^2/NDF: 15.4/9

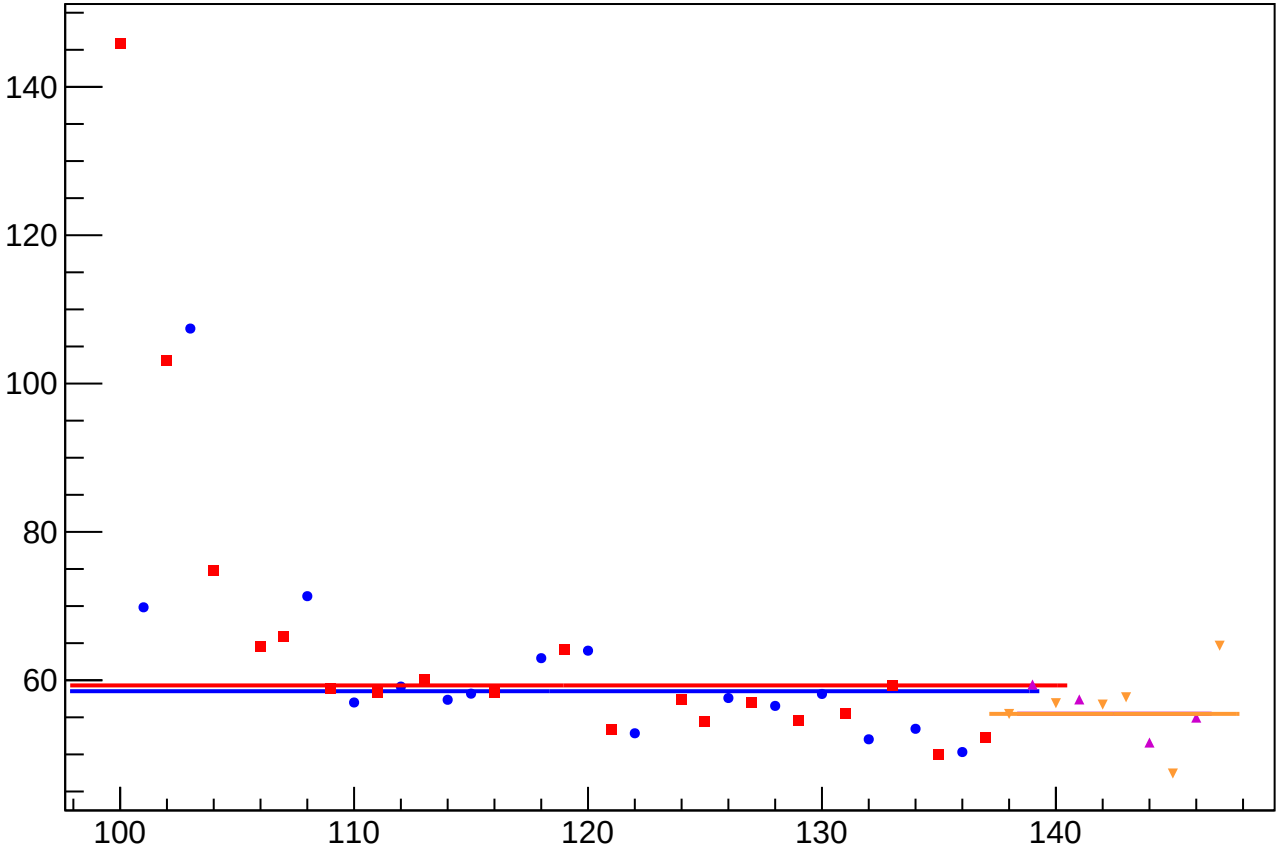
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -17.996+/-17.734 χ^2/NDF:37.7/19

Out: -13.854+/-16.928 χ^2/NDF:36.8/24

All: -15.829+/-12.245 χ^2/NDF: 74.5/44

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: 55.466+/-0.019 χ^2/NDF:83766.5/5

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

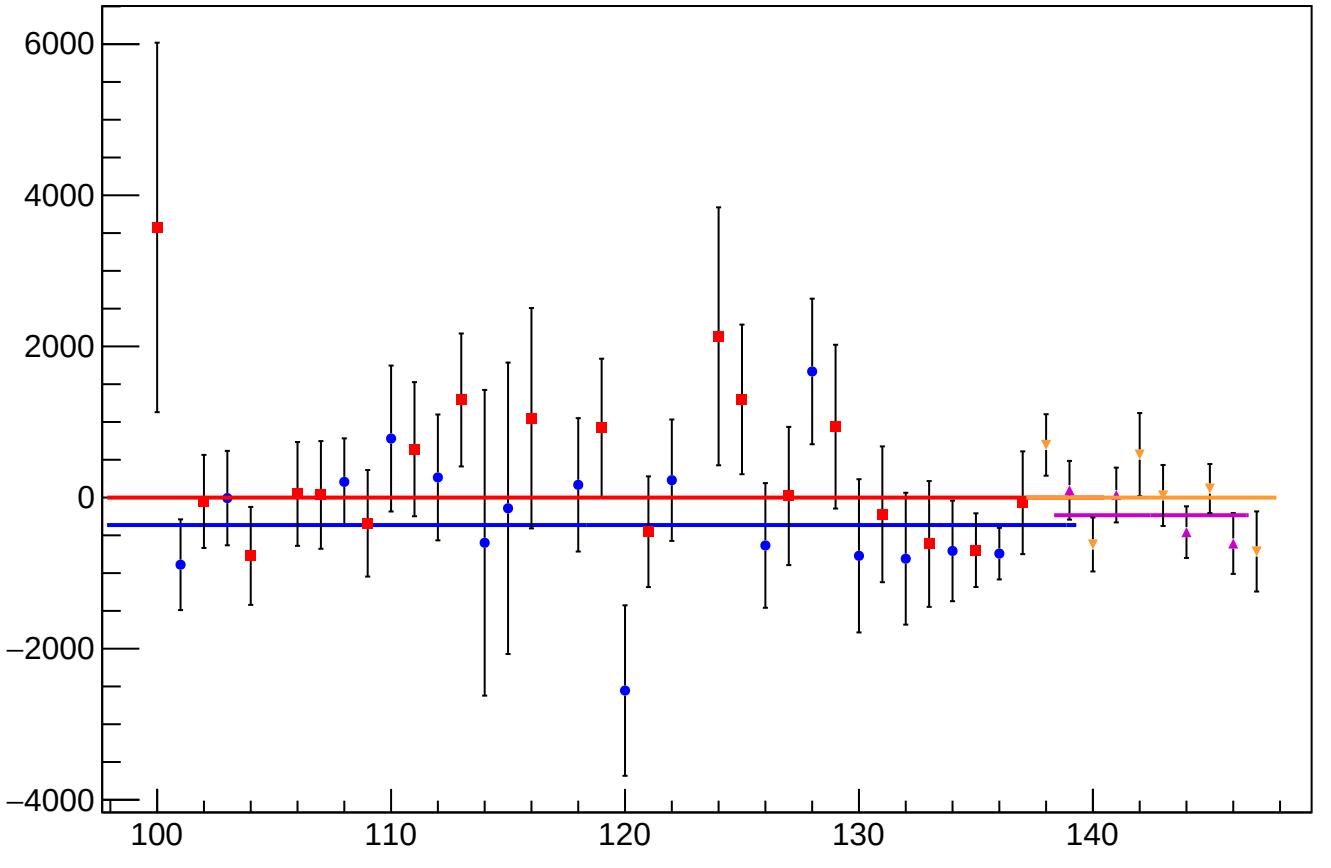
Left: 55.476+/-0.014 χ^2/NDF: 103465.6/9

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.435+/-0.013 χ^2/NDF:425897.8/19

Out: 57.709+/-0.012 χ^2/NDF:515308.2/24

All: 57.578+/-0.009 χ^2/NDF: 941454.7/44



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -0.786+/-165.737 χ^2/NDF:9.0/5

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -233.938+/-185.806 χ^2/NDF:2.6/3

Left: -104.095+/-123.683 χ^2/NDF: 12.4/9

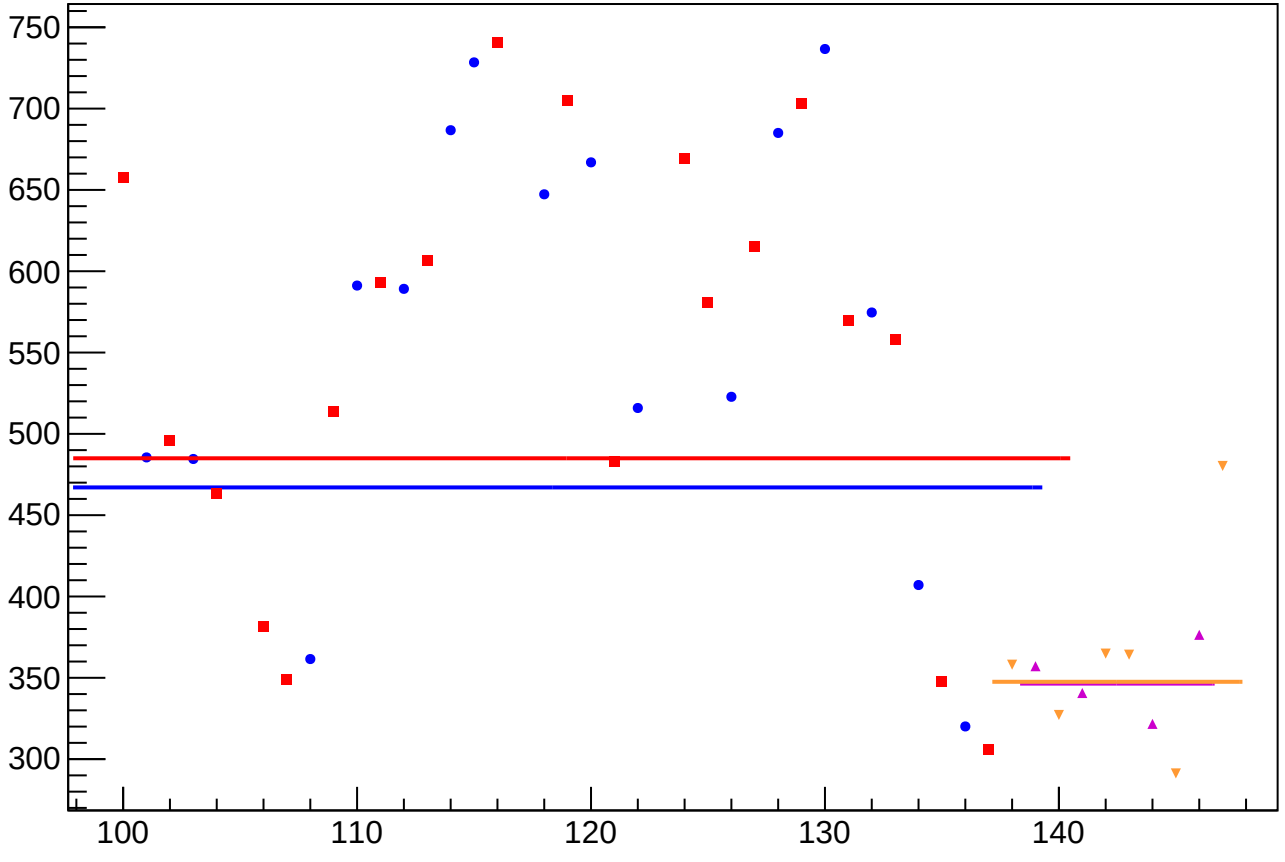
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -300.855+/-129.505 χ^2/NDF:18.0/19

Out: -0.688+/-122.870 χ^2/NDF:24.1/24

All: -142.886+/-89.136 χ^2/NDF: 44.9/44

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: 347.549+/-0.117 χ^2/NDF:198970.3/5

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 346.430+/-0.131 χ^2/NDF:23626.4/3

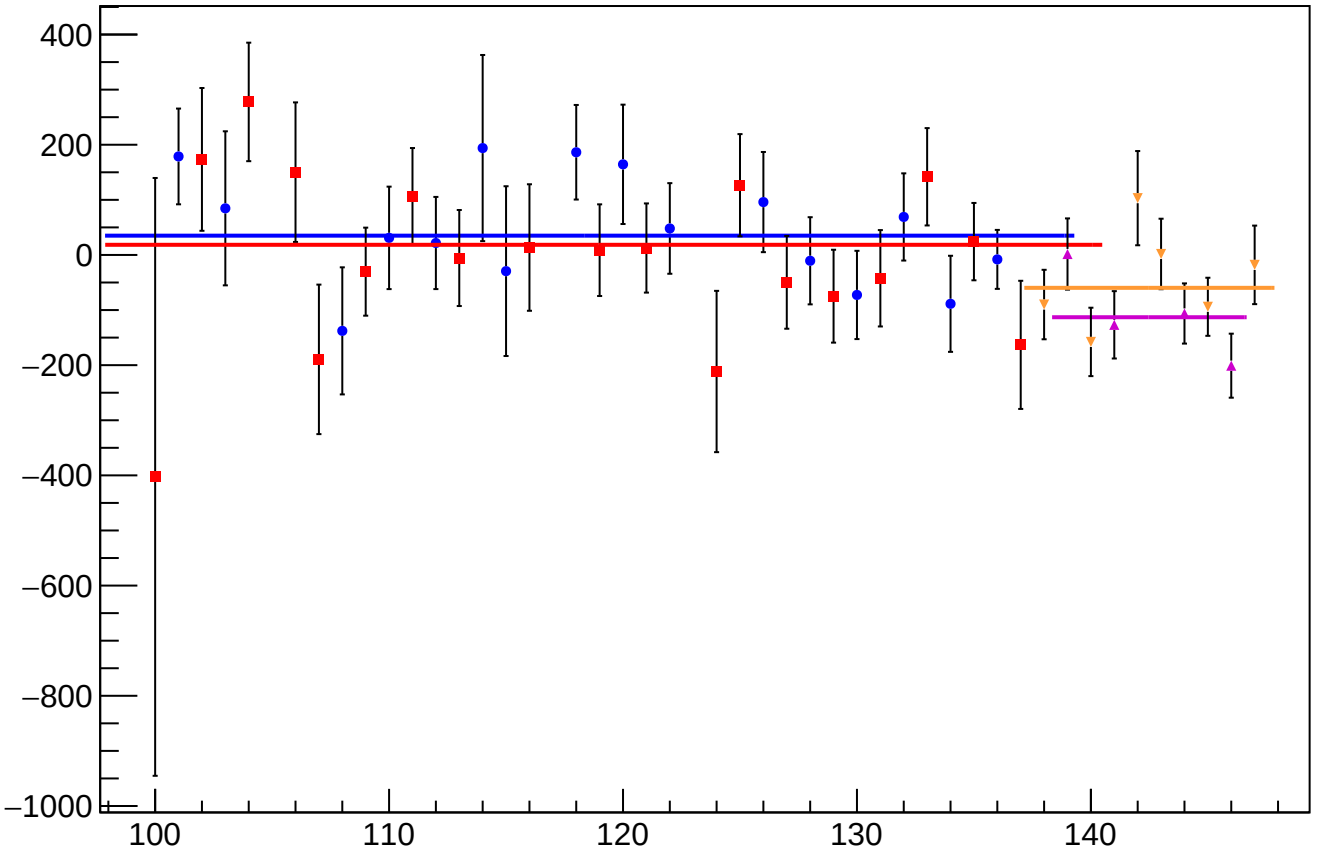
Left: 347.053+/-0.087 χ^2/NDF: 222637.1/9

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 408.463+/-0.092 χ^2/NDF:1487430.2/19

Out: 409.447+/-0.087 χ^2/NDF:1692459.1/24

All: 408.981+/-0.063 χ^2/NDF: 3179950.1/44



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -59.680+/-26.268 χ^2/NDF:8.0/5

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -113.020+/-29.634 χ^2/NDF:5.5/3

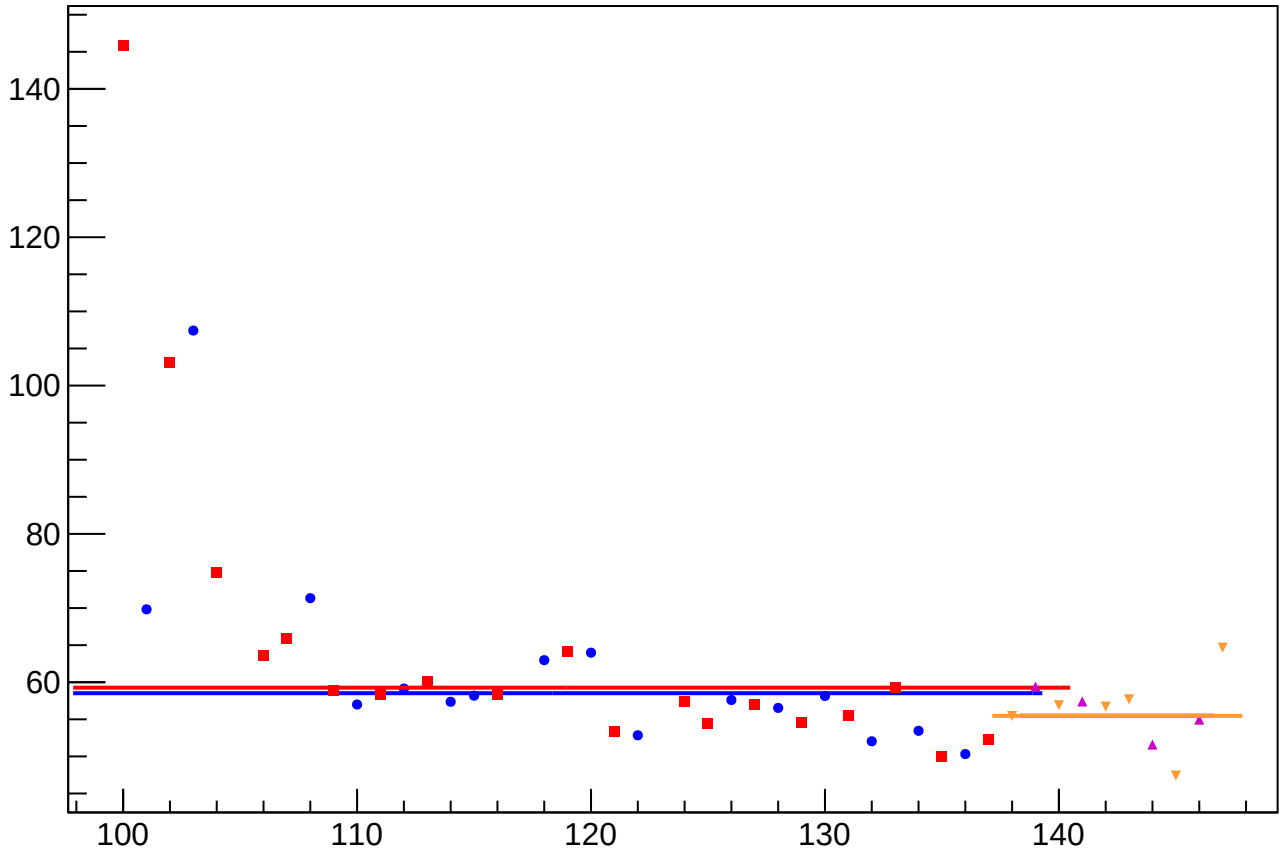
Left: -83.150+/-19.657 χ^2/NDF: 15.4/9

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -17.997+/-17.734 χ^2/NDF:37.7/19

Out: -14.022+/-16.929 χ^2/NDF:36.6/24

All: -15.918+/-12.245 χ^2/NDF: 74.3/44



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 55.466+/-0.019 χ^2/NDF:83766.5/5

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

Left: 55.476+/-0.014 χ^2/NDF: 103465.6/9

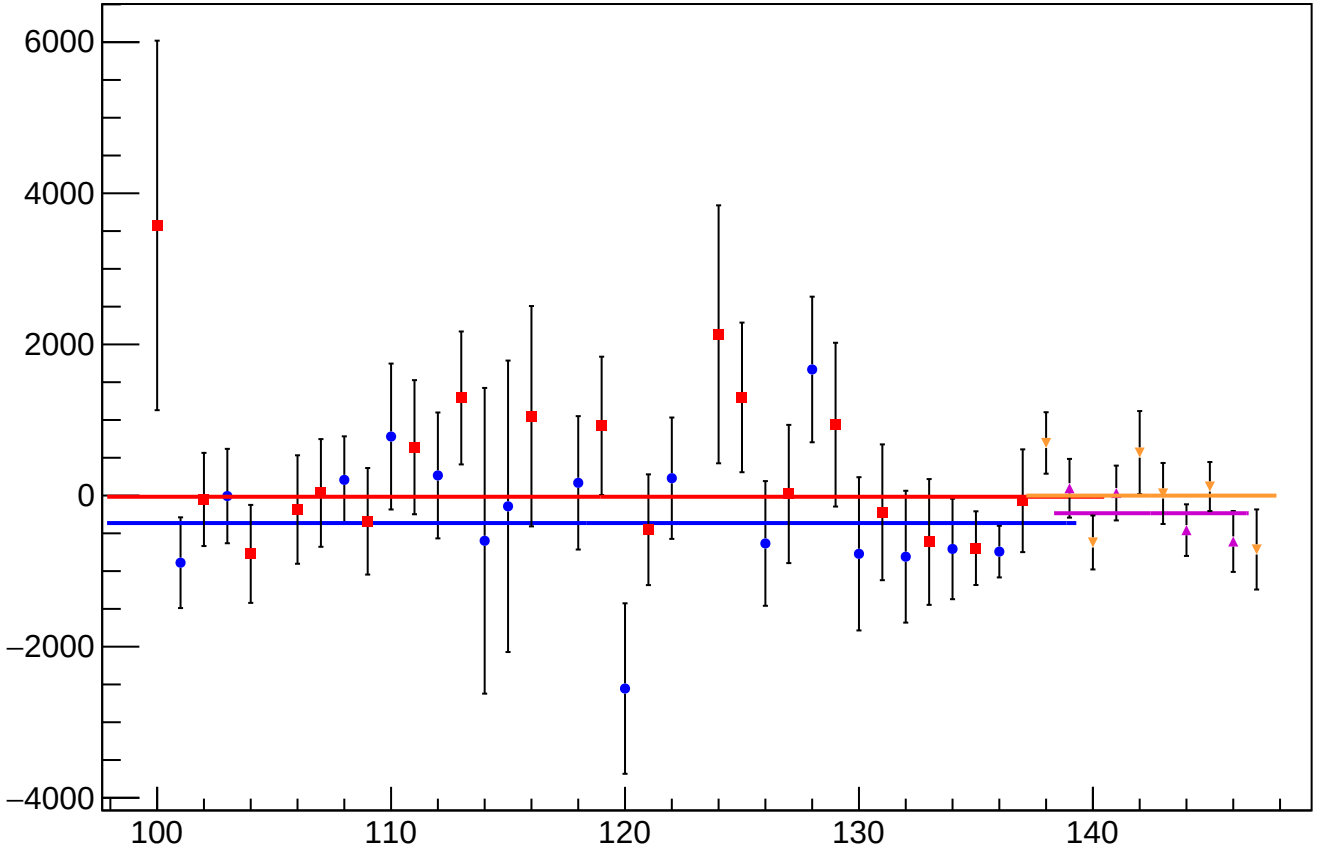
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.435+/-0.013 χ^2/NDF:425899.8/19

Out: 57.690+/-0.012 χ^2/NDF:513897.2/24

All: 57.568+/-0.009 χ^2/NDF: 940012.5/44

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -0.790+/-165.737 χ^2/NDF:9.0/5

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -233.936+/-185.806 χ^2/NDF:2.6/3

Left: -104.096+/-123.683 χ^2/NDF: 12.4/9

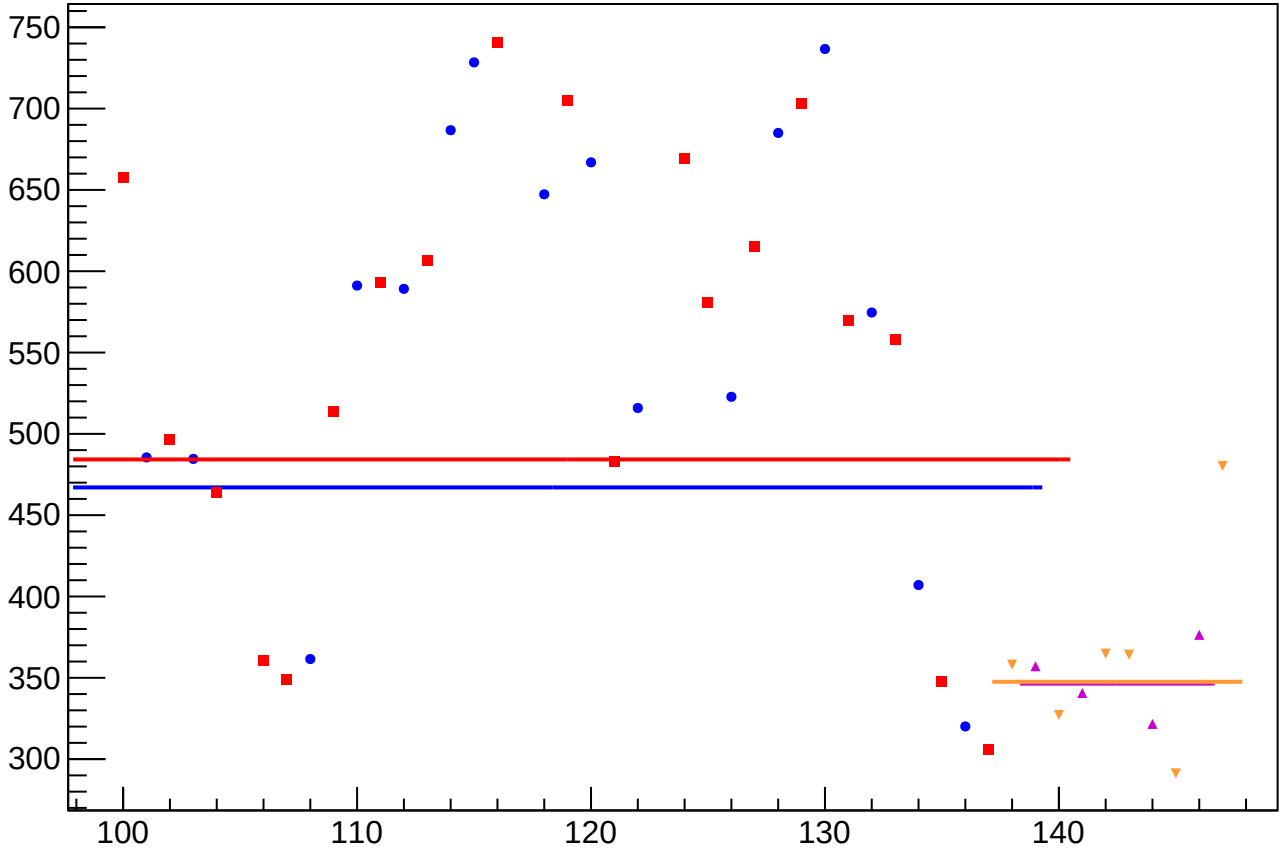
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -300.835+/-129.506 χ^2/NDF:18.0/19

Out: -7.656+/-123.041 χ^2/NDF:24.1/24

All: -146.746+/-89.201 χ^2/NDF: 44.8/44

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: 347.549+/-0.117 χ^2/NDF:198971.1/5

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 346.430+/-0.131 χ^2/NDF:23626.7/3

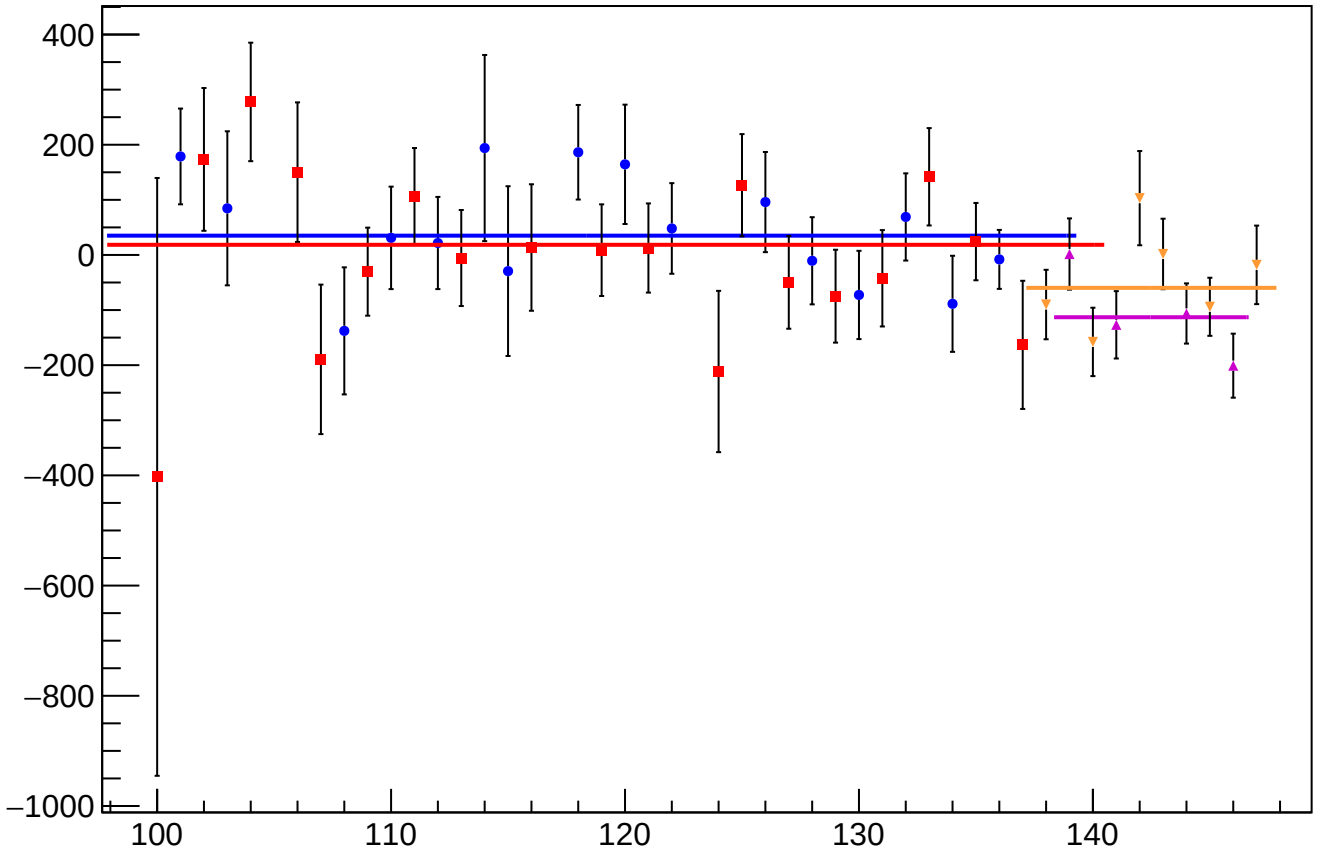
Left: 347.053+/-0.087 χ^2/NDF: 222638.1/9

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 408.464+/-0.092 χ^2/NDF:1487447.9/19

Out: 408.919+/-0.087 χ^2/NDF:1698714.0/24

All: 408.703+/-0.063 χ^2/NDF: 3186175.0/44



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -59.680+/-26.268 χ^2/NDF:8.0/5

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -113.020+/-29.634 χ^2/NDF:5.5/3

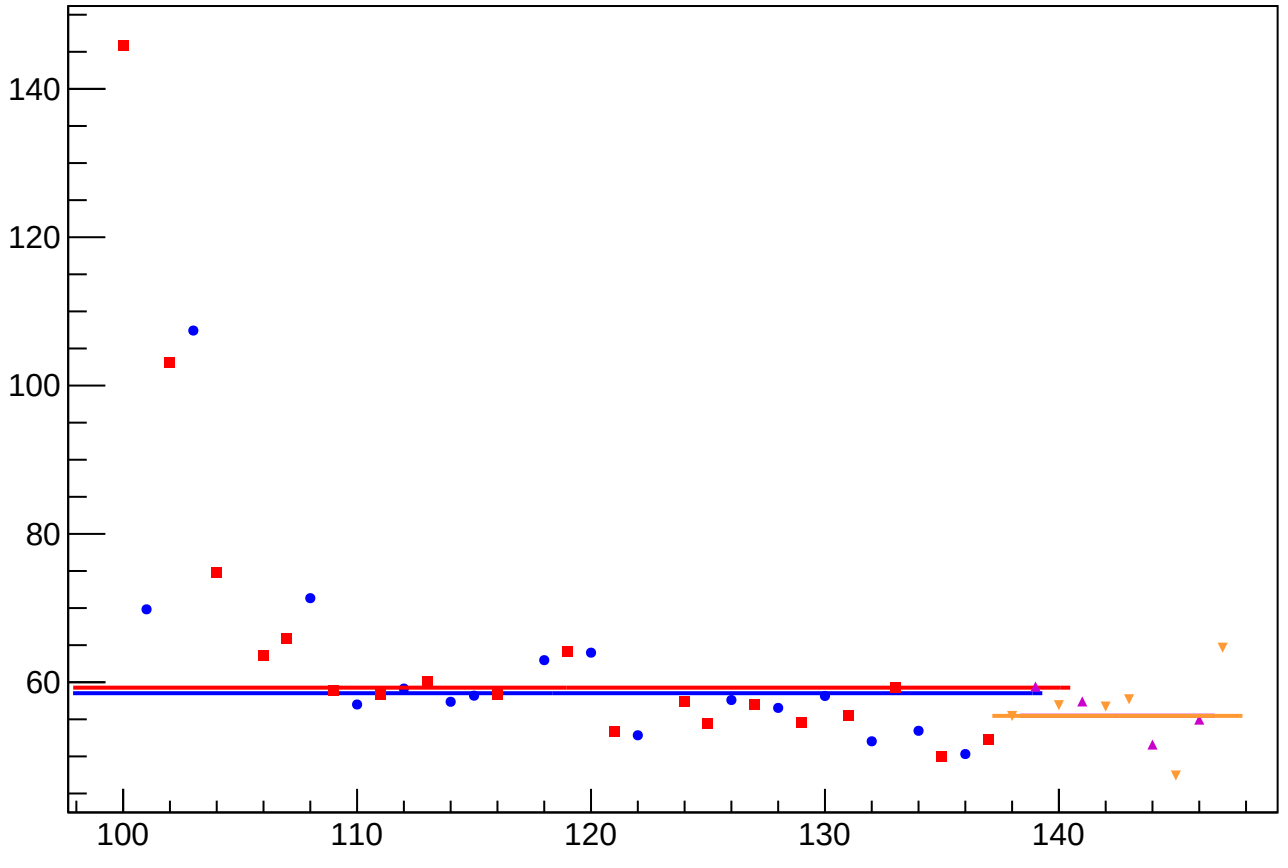
Left: -83.150+/-19.657 χ^2/NDF: 15.4/9

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -17.997+/-17.734 χ^2/NDF:37.7/19

Out: -14.022+/-16.929 χ^2/NDF:36.6/24

All: -15.918+/-12.245 χ^2/NDF: 74.3/44



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 55.466+/-0.019 χ^2/NDF:83766.5/5

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 55.488+/-0.021 χ^2/NDF:19698.5/3

Left: 55.476+/-0.014 χ^2/NDF: 103465.6/9

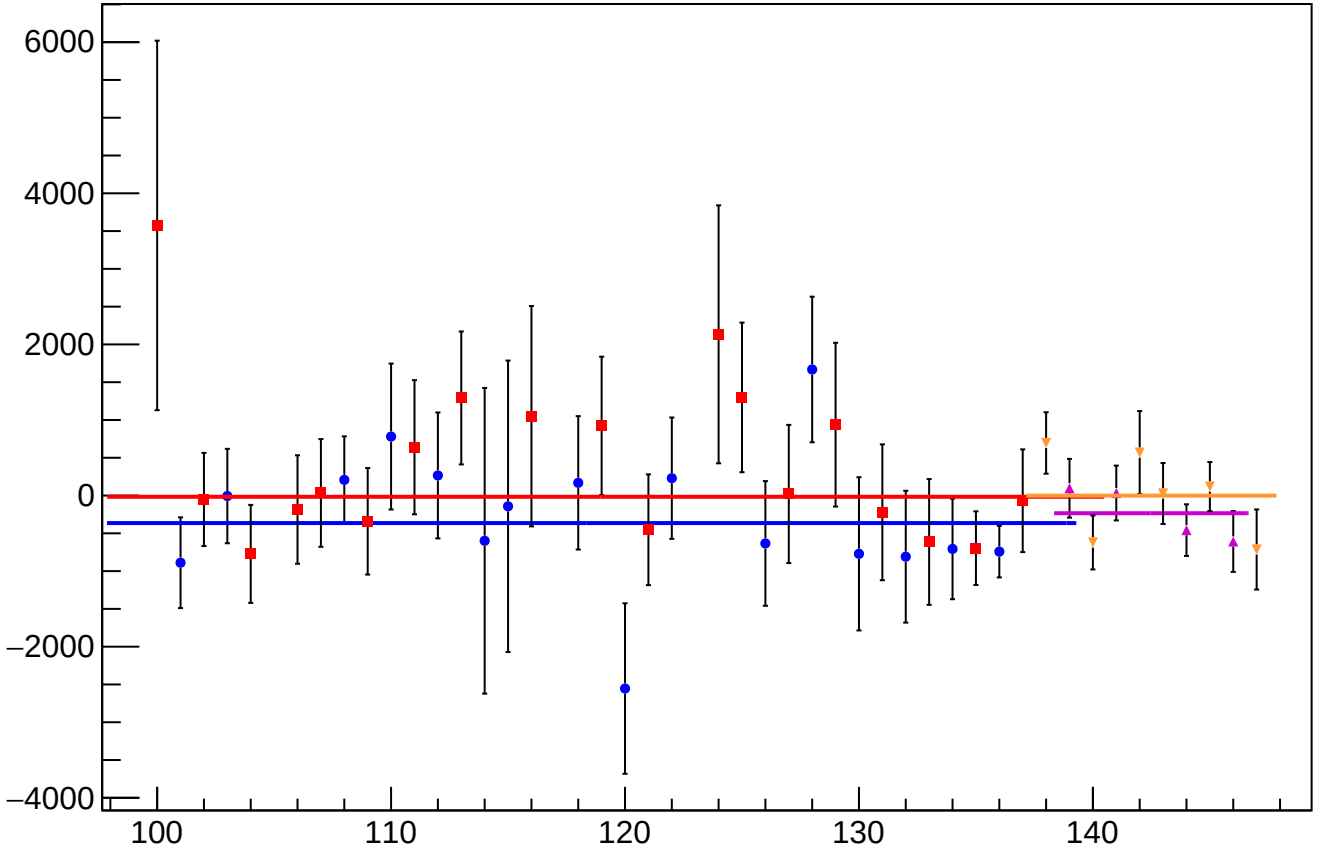
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.435+/-0.013 χ^2/NDF:425899.8/19

Out: 57.690+/-0.012 χ^2/NDF:513897.2/24

All: 57.568+/-0.009 χ^2/NDF: 940012.5/44

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: -0.790+/-165.737 χ^2/NDF:9.0/5

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -233.936+/-185.806 χ^2/NDF:2.6/3

Left: -104.096+/-123.683 χ^2/NDF: 12.4/9

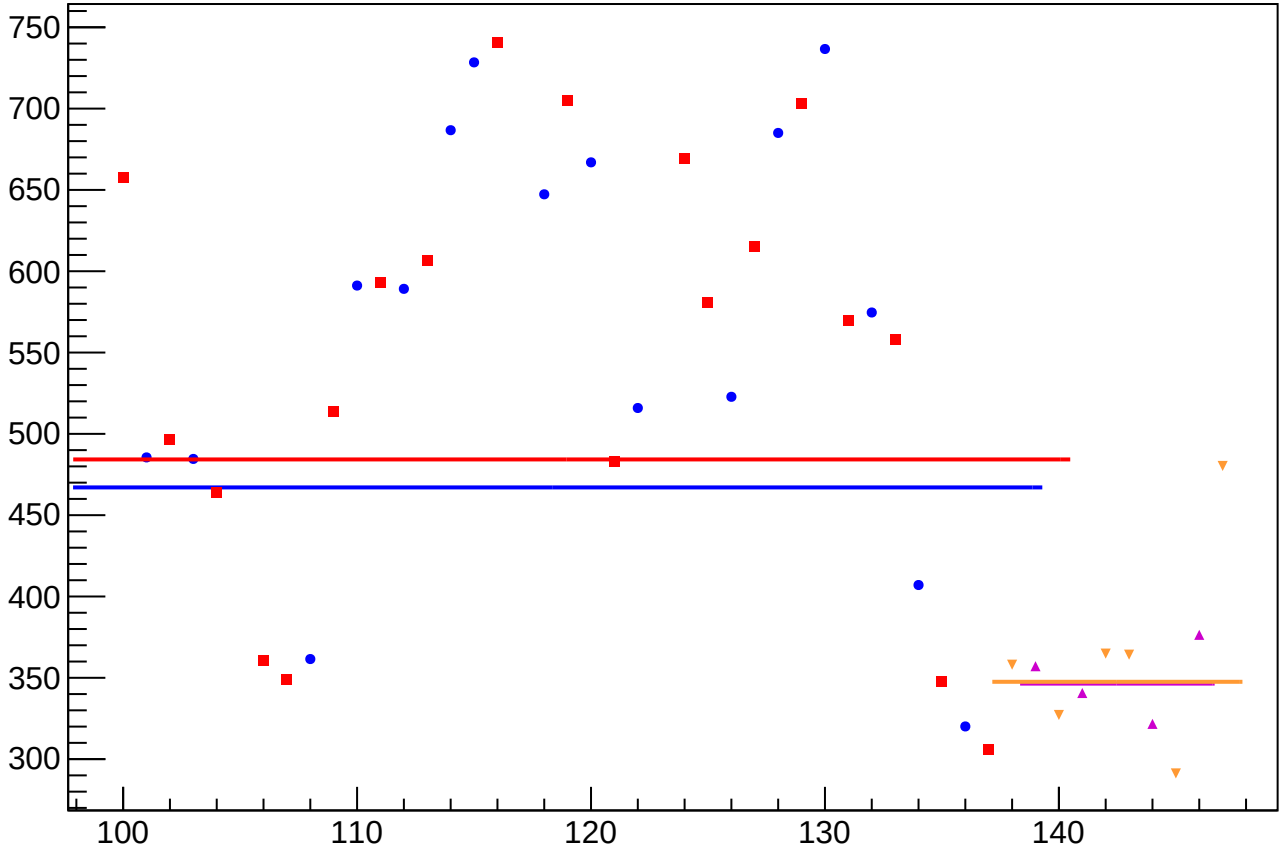
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -300.835+/-129.506 χ^2/NDF:18.0/19

Out: -7.656+/-123.041 χ^2/NDF:24.1/24

All: -146.746+/-89.201 χ^2/NDF: 44.8/44

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: 347.549+/-0.117 χ^2/NDF:198971.1/5

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 346.430+/-0.131 χ^2/NDF:23626.7/3

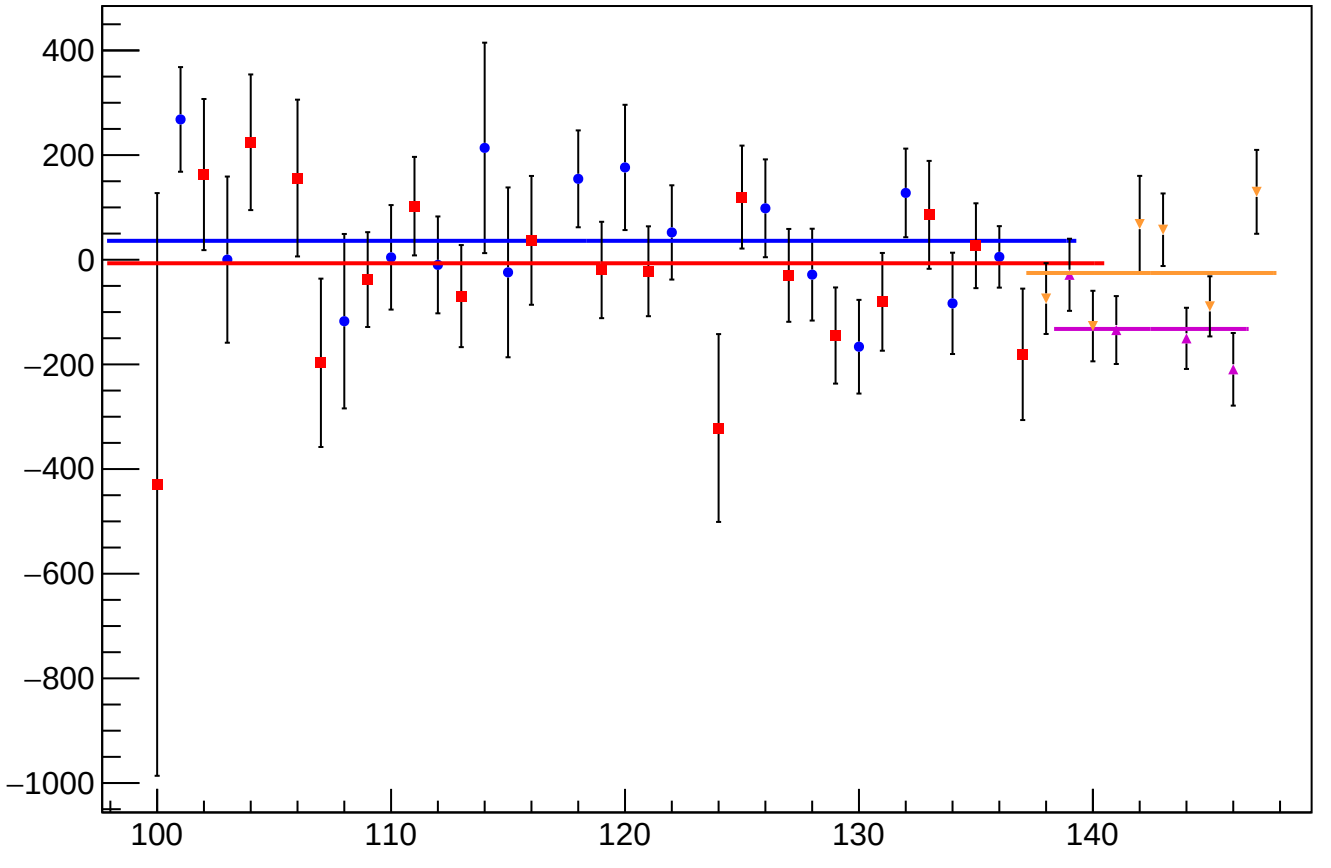
Left: 347.053+/-0.087 χ^2/NDF: 222638.1/9

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 408.464+/-0.092 χ^2/NDF:1487447.9/19

Out: 408.919+/-0.087 χ^2/NDF:1698714.0/24

All: 408.703+/-0.063 χ^2/NDF: 3186175.0/44



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -25.295+/-28.598 χ^2/NDF:10.2/5

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -132.241+/-32.474 χ^2/NDF:3.6/3

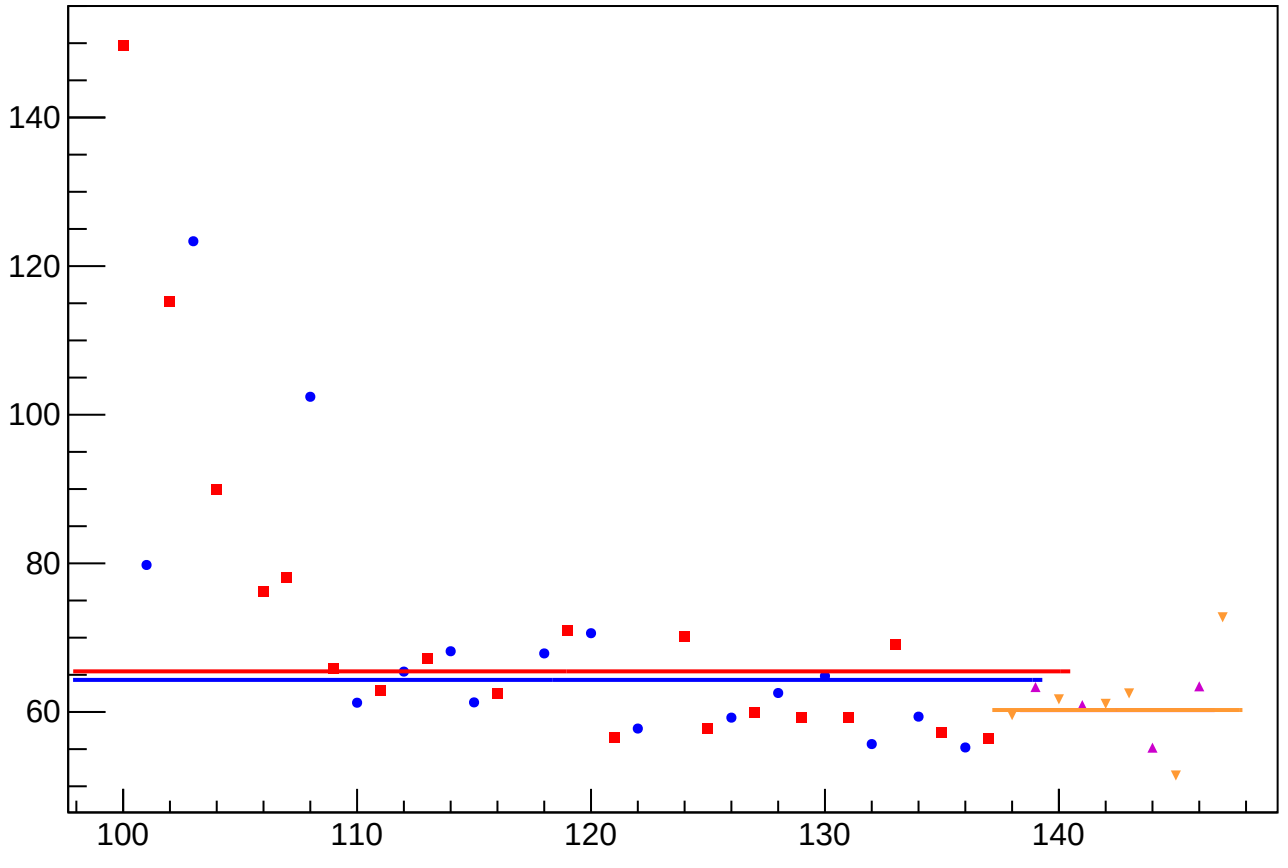
Left: -72.007+/-21.462 χ^2/NDF: 19.9/9

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -24.835+/-19.544 χ^2/NDF:40.4/19

Out: -14.615+/-18.634 χ^2/NDF:30.8/24

All: -19.481+/-13.486 χ^2/NDF: 71.3/44



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 60.263+/-0.020 χ^2/NDF:98872.9/5

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 60.255+/-0.023 χ^2/NDF:23466.0/3

Left: 60.260+/-0.015 χ^2/NDF: 122339.0/9

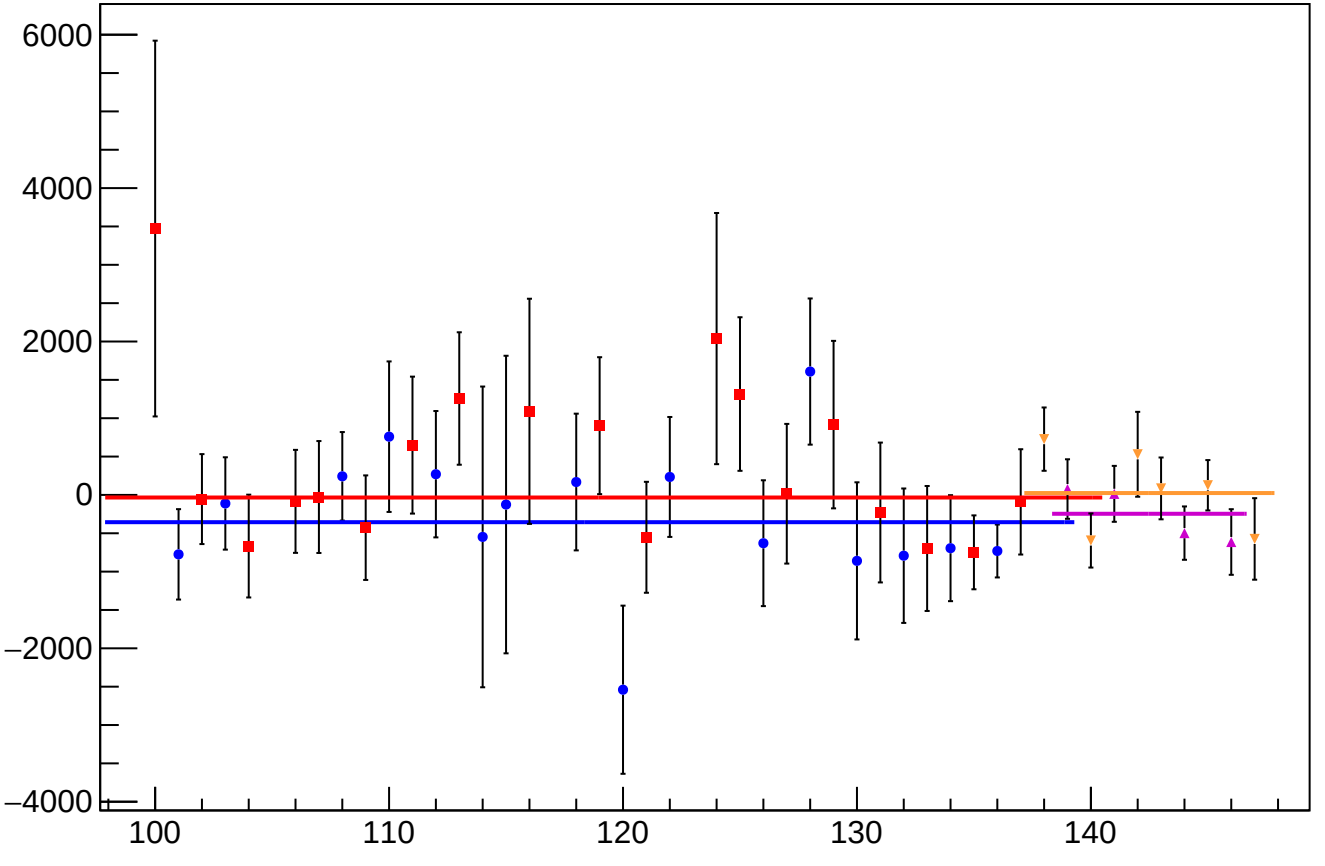
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.845+/-0.014 χ^2/NDF:575485.5/19

Out: 63.257+/-0.013 χ^2/NDF:619324.1/24

All: 63.061+/-0.010 χ^2/NDF: 1195274.9/44

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: 24.402+/-166.316 χ^2/NDF:8.2/5

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -245.878+/-189.342 χ^2/NDF:2.5/3

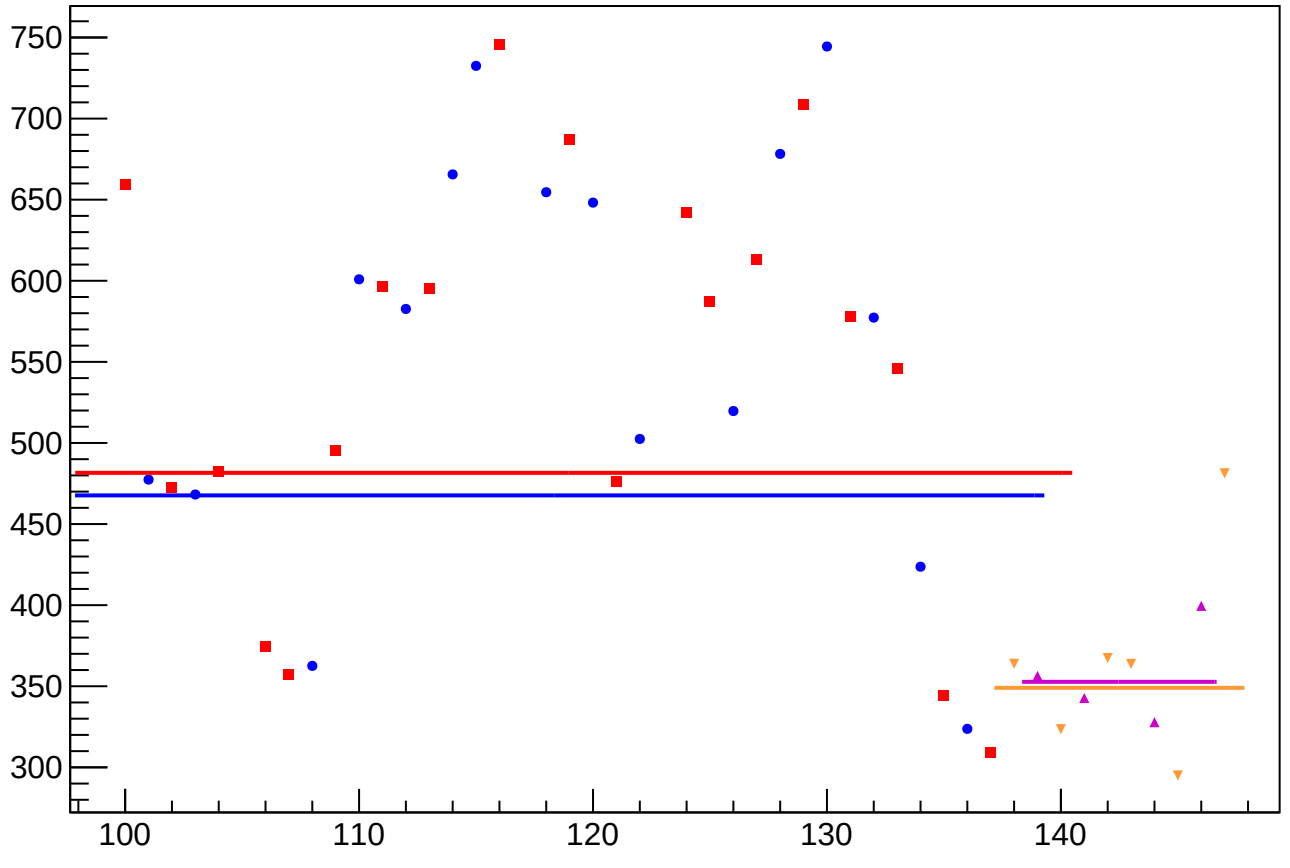
Left: -93.312+/-124.956 χ^2/NDF: 11.8/9

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -303.374+/-130.584 χ^2/NDF:17.4/19

Out: -2.147+/-122.639 χ^2/NDF:23.7/24

All: -143.319+/-89.396 χ^2/NDF: 43.9/44



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 349.030+/-0.118 χ^2/NDF:195956.6/5

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 352.720+/-0.134 χ^2/NDF:35892.7/3

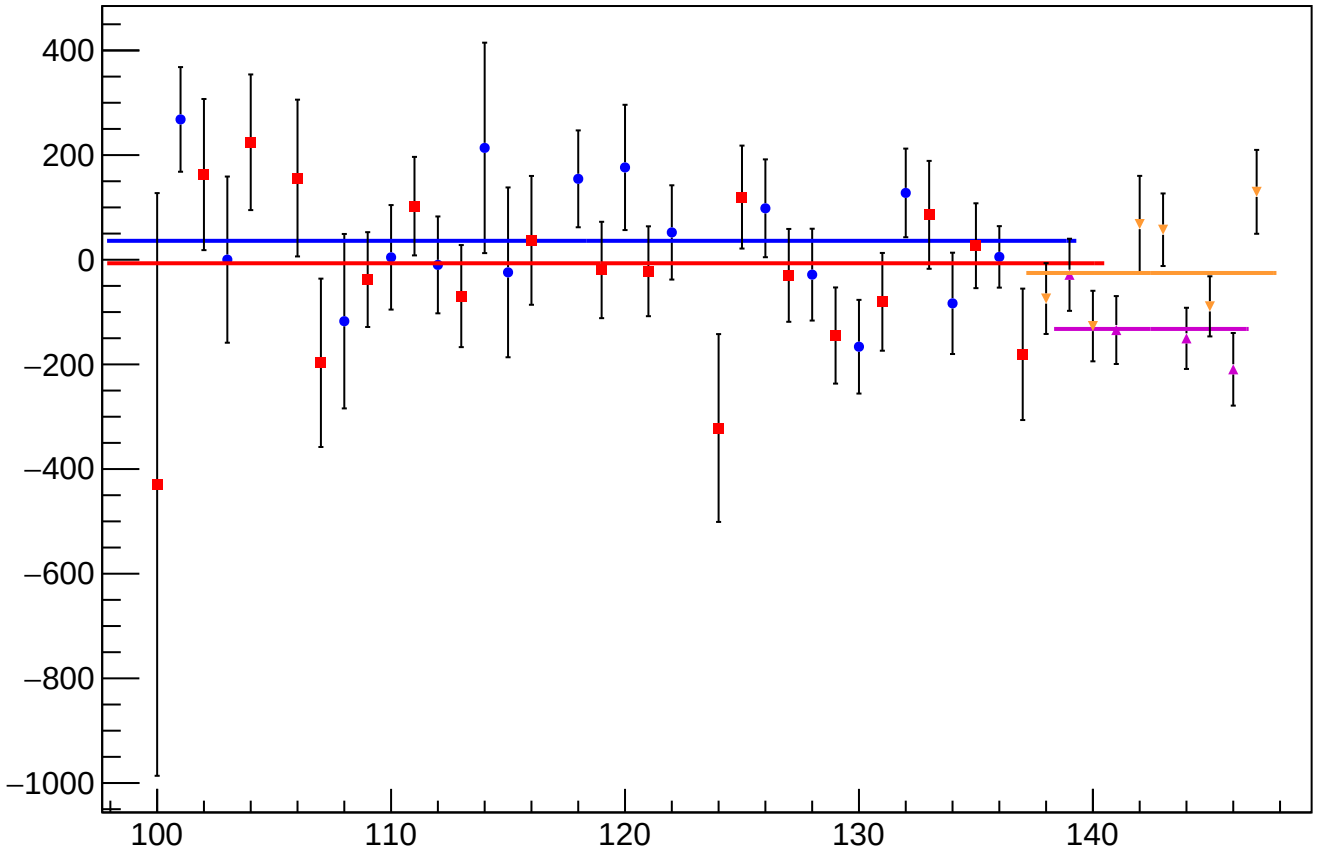
Left: 350.637+/-0.088 χ^2/NDF: 232278.1/9

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 412.996+/-0.092 χ^2/NDF:1408390.7/19

Out: 409.516+/-0.087 χ^2/NDF:1630018.4/24

All: 411.147+/-0.063 χ^2/NDF: 3039163.9/44



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -25.295+/-28.598 χ^2/NDF:10.2/5

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -132.241+/-32.474 χ^2/NDF:3.6/3

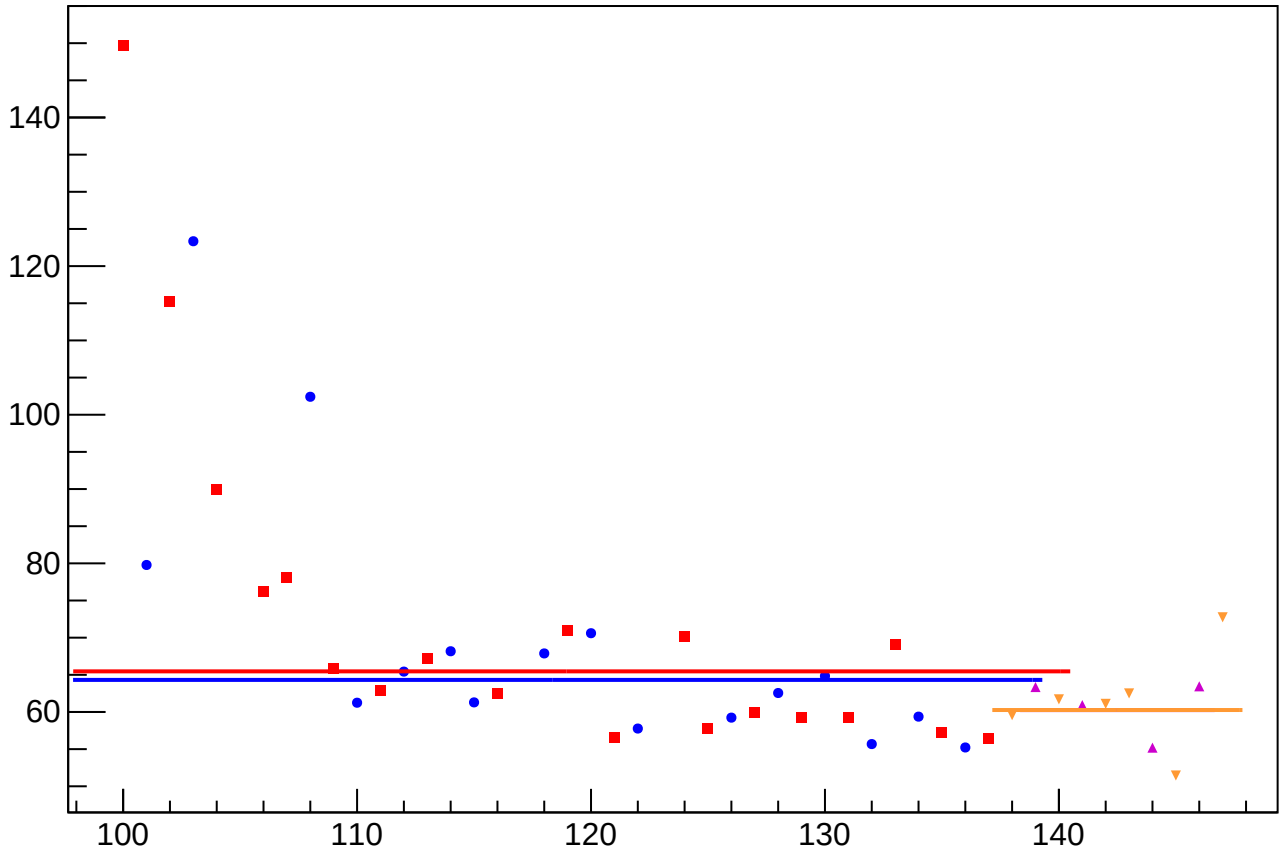
Left: -72.007+/-21.462 χ^2/NDF: 19.9/9

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -24.834+/-19.544 χ^2/NDF:40.4/19

Out: -14.615+/-18.634 χ^2/NDF:30.8/24

All: -19.481+/-13.486 χ^2/NDF: 71.3/44



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 60.263+/-0.020 χ^2/NDF:98875.2/5

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 60.255+/-0.023 χ^2/NDF:23467.0/3

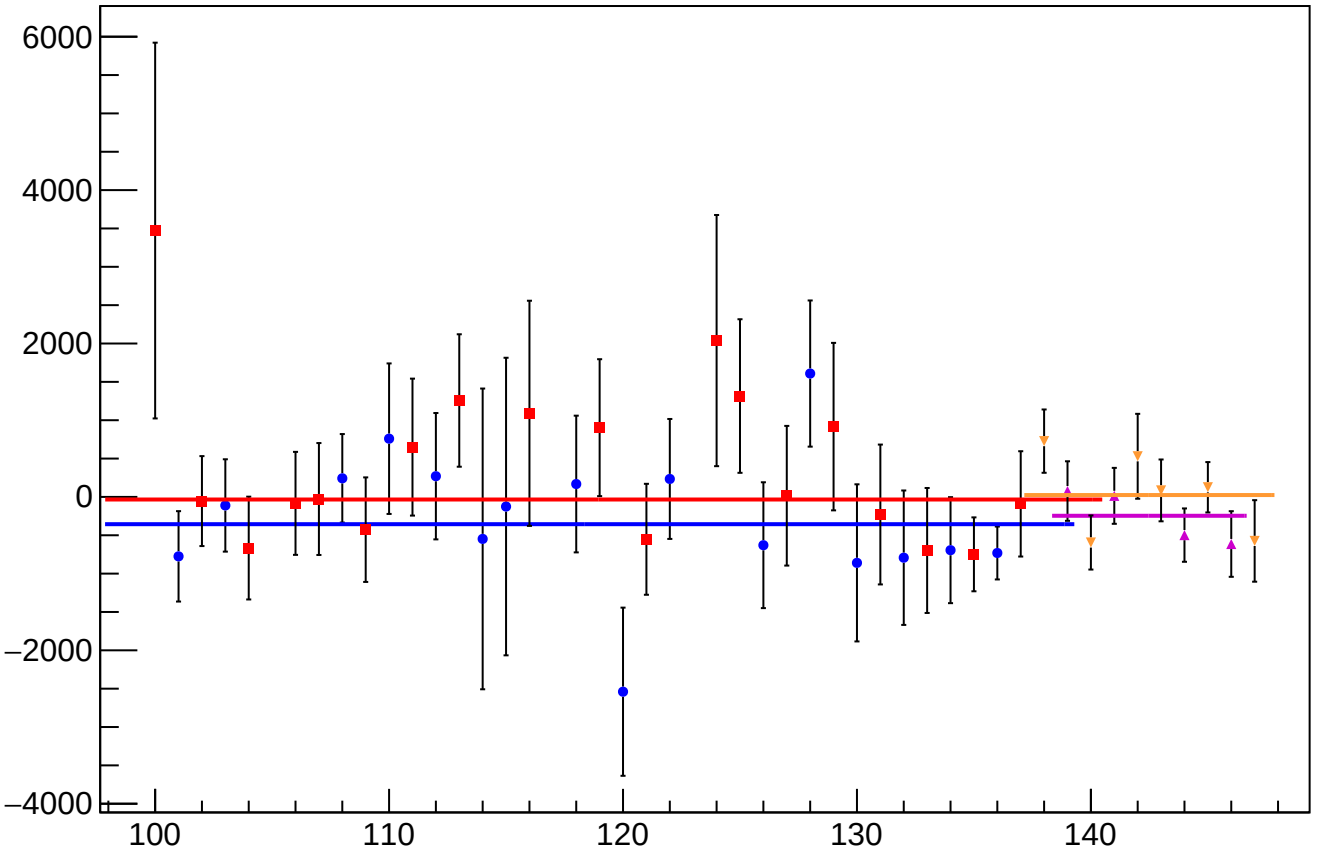
Left: 60.260+/-0.015 χ^2/NDF: 122342.3/9

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.845+/-0.014 χ^2/NDF:575493.5/19

Out: 63.257+/-0.013 χ^2/NDF:619330.4/24

All: 63.061+/-0.010 χ^2/NDF: 1195289.2/44



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: 24.402+/-166.316 χ^2/NDF:8.2/5

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -245.878+/-189.343 χ^2/NDF:2.5/3

Left: -93.313+/-124.956 χ^2/NDF: 11.8/9

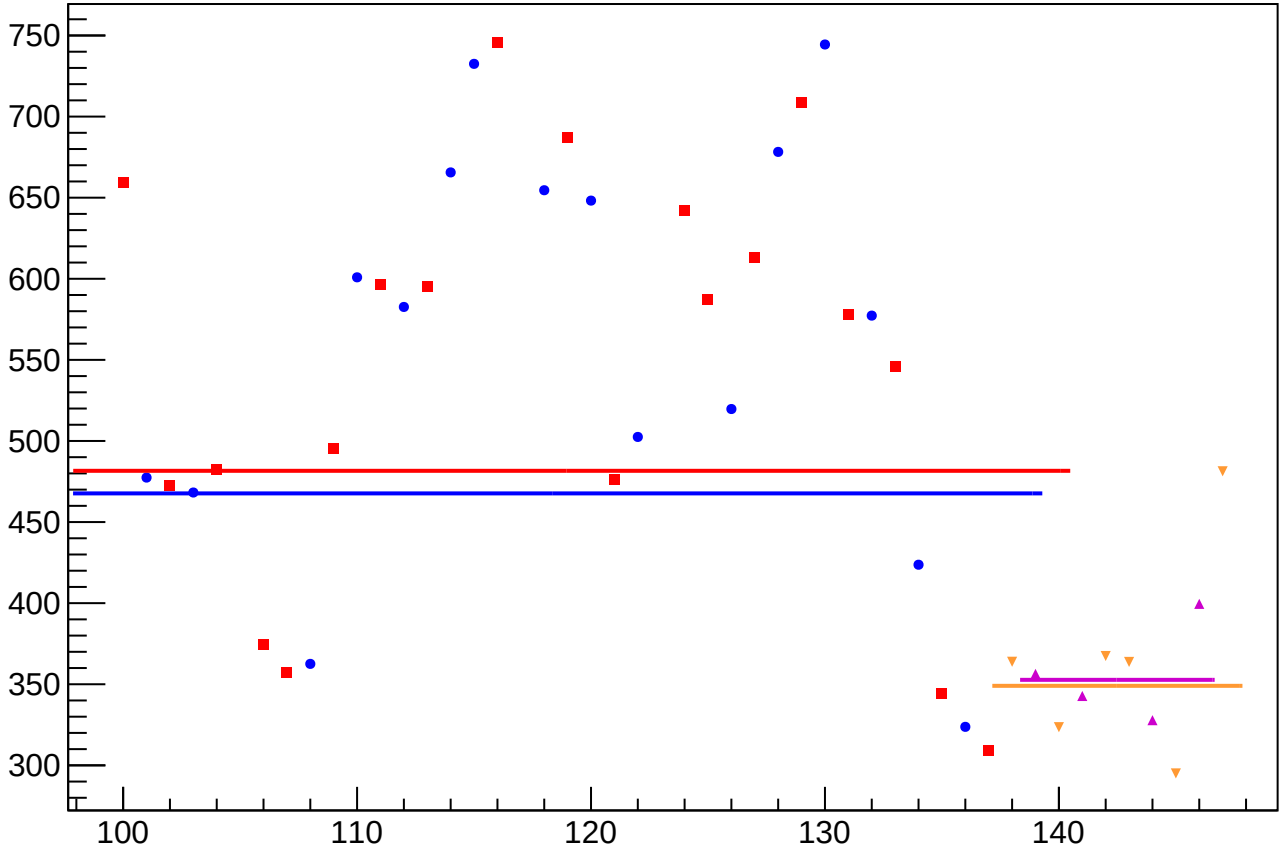
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -303.374+/-130.584 χ^2/NDF:17.4/19

Out: -2.148+/-122.639 χ^2/NDF:23.7/24

All: -143.319+/-89.396 χ^2/NDF: 43.9/44

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 349.030+/-0.118 χ^2/NDF:195956.7/5

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 352.720+/-0.134 χ^2/NDF:35892.8/3

Left: 350.637+/-0.088 χ^2/NDF: 232278.3/9

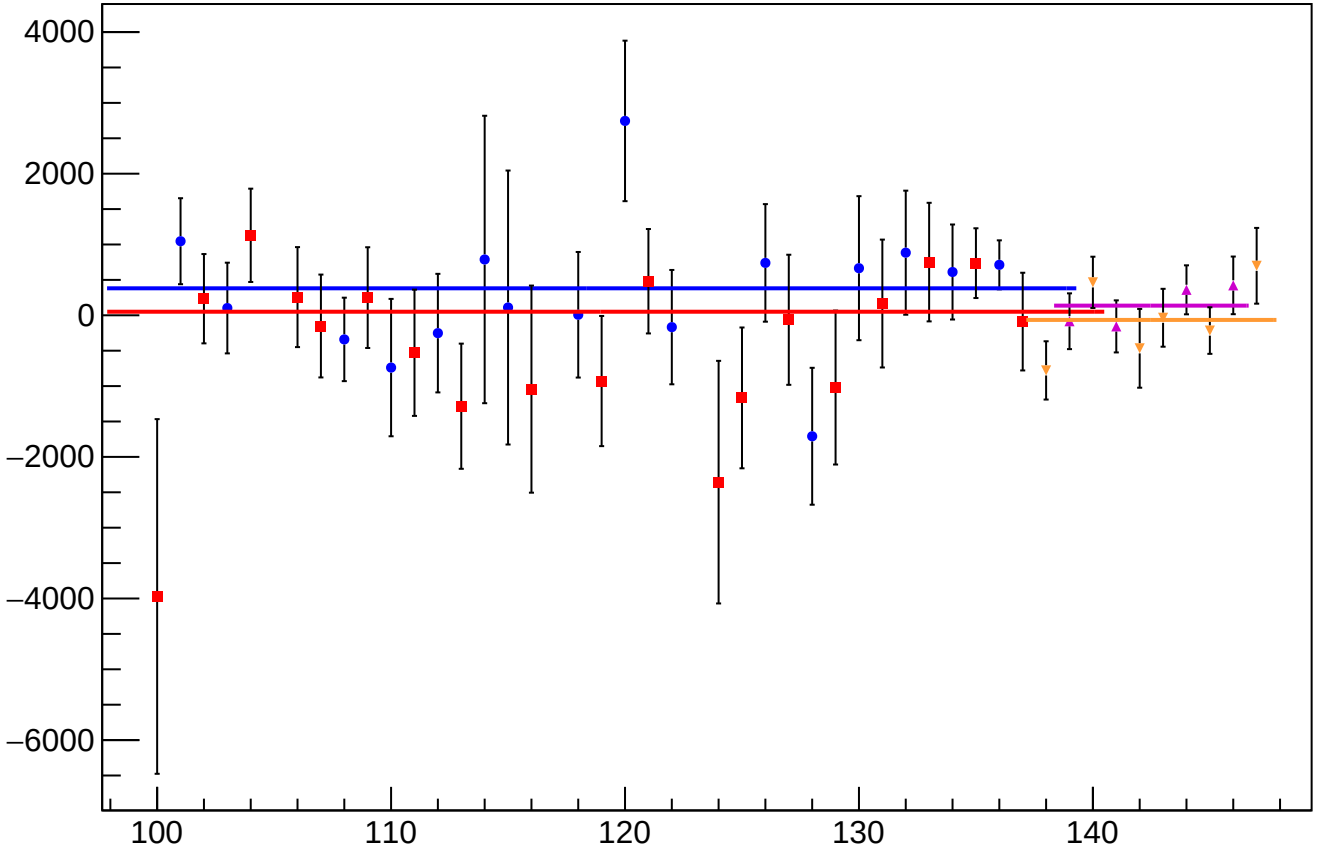
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 412.997+/-0.092 χ^2/NDF:1408385.4/19

Out: 409.516+/-0.087 χ^2/NDF:1630010.6/24

All: 411.147+/-0.063 χ^2/NDF: 3039150.8/44

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -65.431+/-167.872 χ^2/NDF:7.9/5

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: 136.487+/-188.232 χ^2/NDF:1.9/3

Left: 24.021+/-125.286 χ^2/NDF: 10.4/9

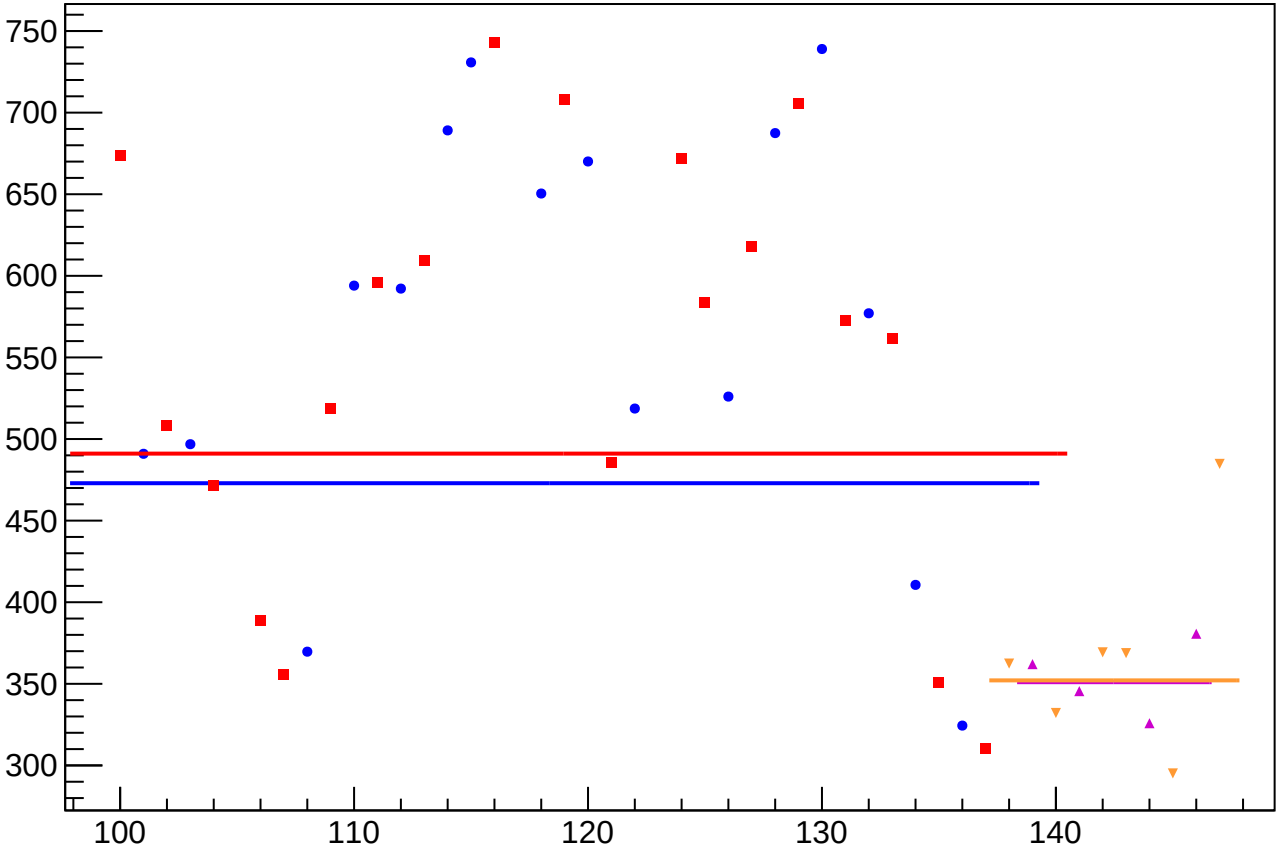
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 262.464+/-131.084 χ^2/NDF:18.9/19

Out: -13.209+/-124.398 χ^2/NDF:25.6/24

All: 117.418+/-90.234 χ^2/NDF: 46.8/44

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 352.109+/-0.119 χ^2/NDF:195689.9/5

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 351.006+/-0.133 χ^2/NDF:23217.7/3

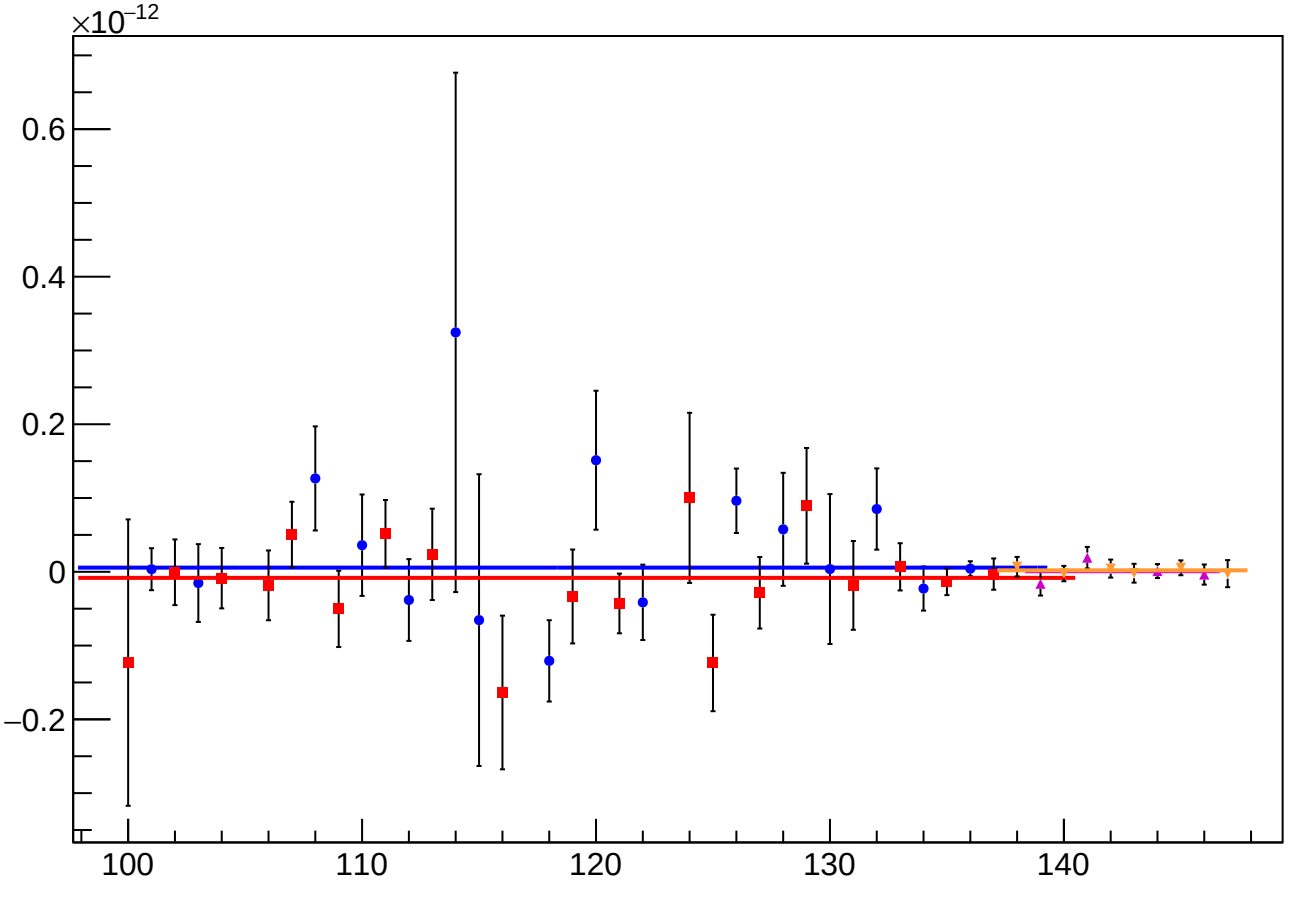
Left: 351.620+/-0.089 χ^2/NDF: 218945.9/9

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 413.798+/-0.093 χ^2/NDF:1455625.7/19

Out: 414.760+/-0.088 χ^2/NDF:1661013.4/24

All: 414.304+/-0.064 χ^2/NDF: 3116695.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

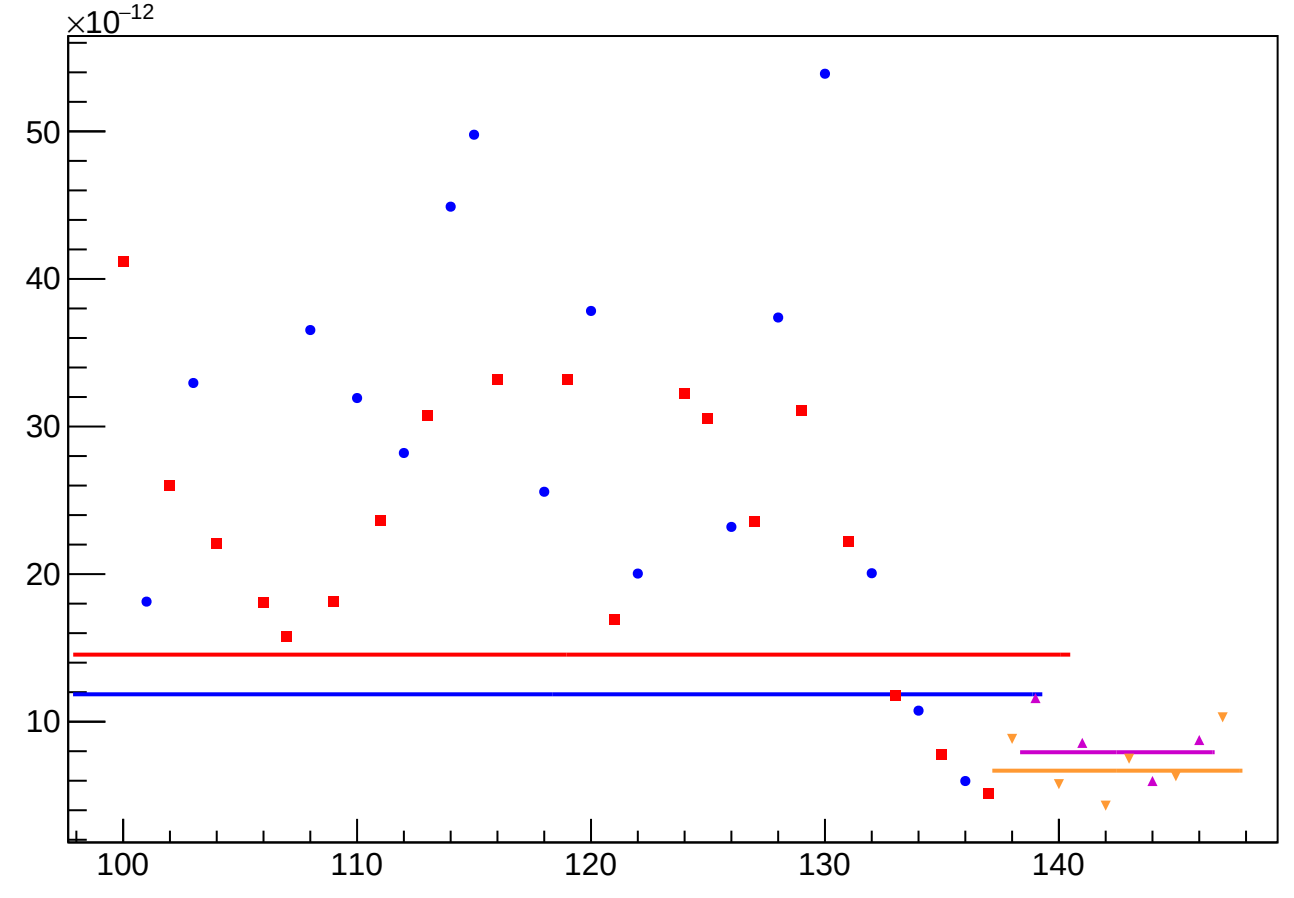
Left: 0.000+/-0.000 χ^2/NDF: 3.5/9

Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:24.2/19

Out: -0.000+/-0.000 χ^2/NDF:15.6/24

All: 0.000+/-0.000 χ^2/NDF: 39.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:231965.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:201035.7/3

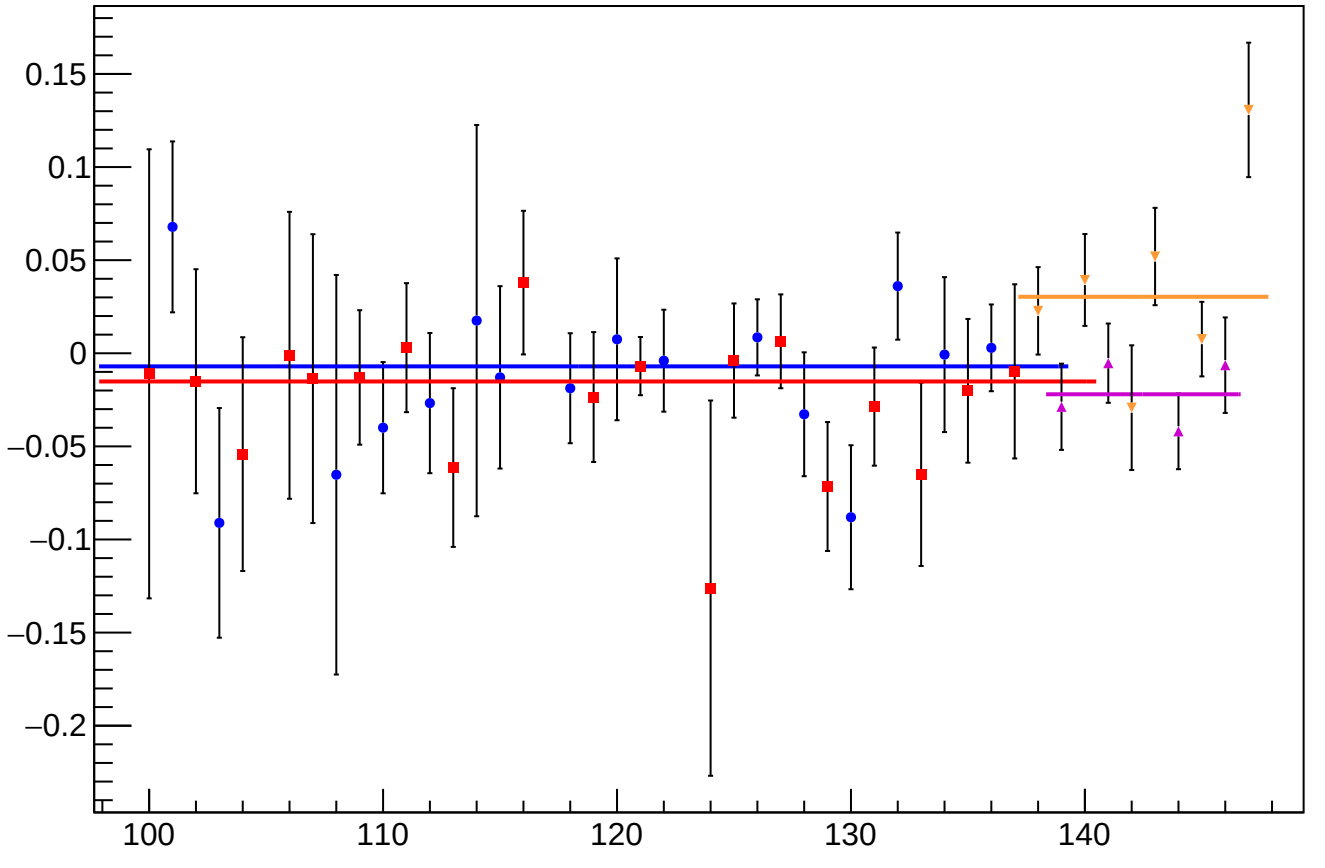
Left: 0.000+/-0.000 χ^2/NDF: 481440.7/9

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:3341711.4/19

Out: 0.000+/-0.000 χ^2/NDF:3115659.4/24

All: 0.000+/-0.000 χ^2/NDF: 6501279.3/44



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.022+/-0.011 χ^2/NDF:2.0/3

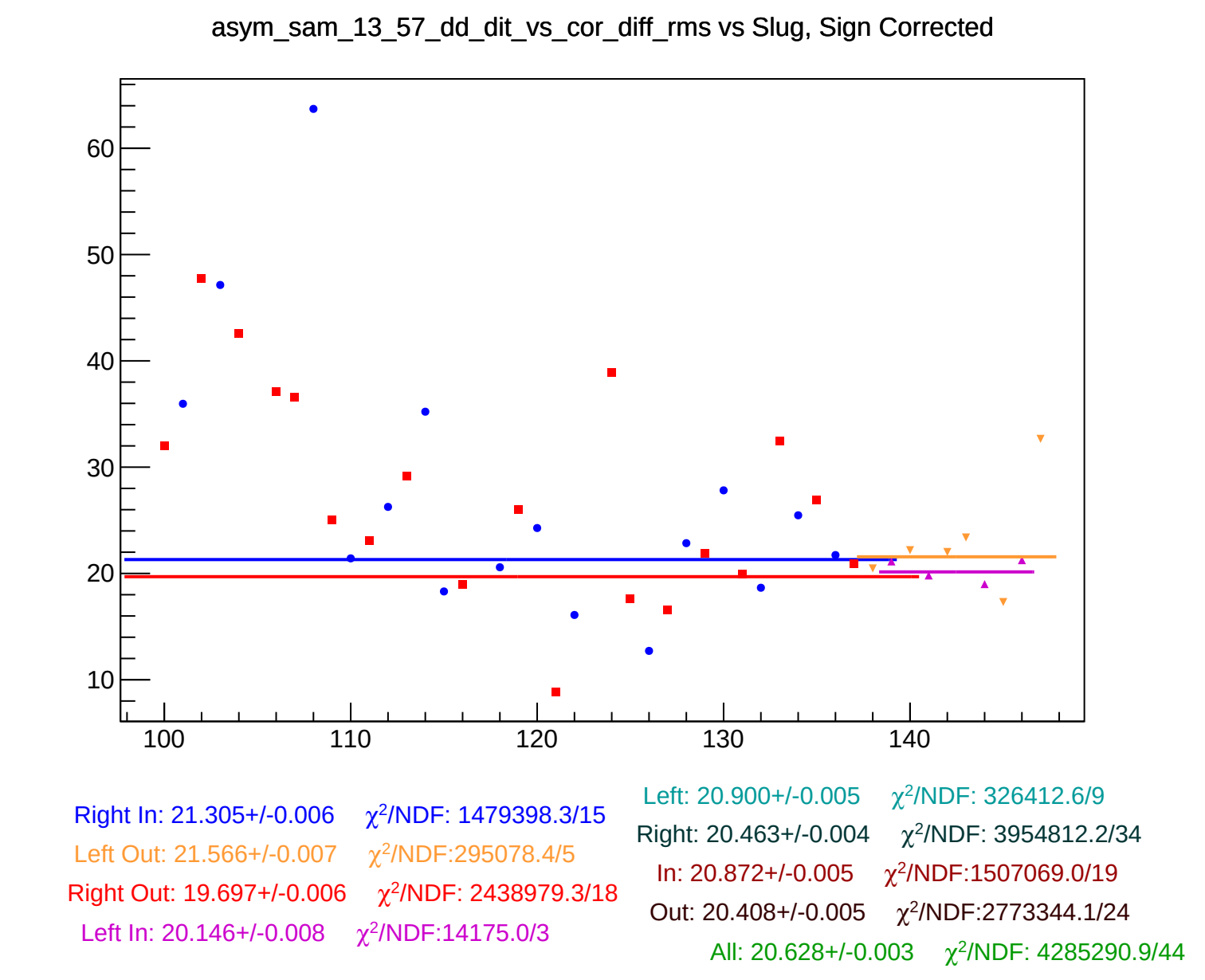
Left: 0.006+/-0.008 χ^2/NDF: 26.8/9

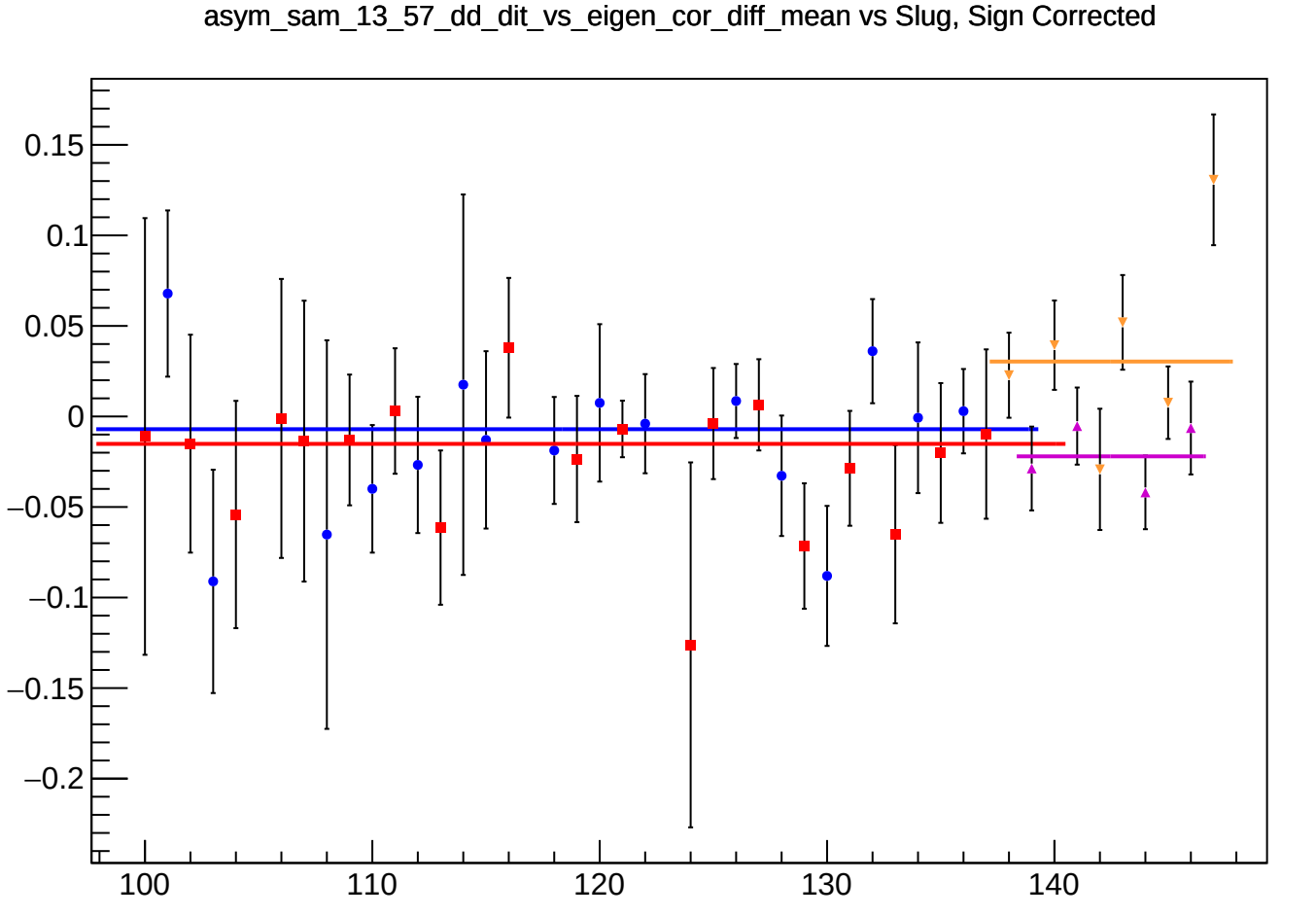
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.5/19

Out: 0.002+/-0.006 χ^2/NDF:34.8/24

All: -0.005+/-0.005 χ^2/NDF: 54.8/44


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
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 21.566+/-0.007 χ²/NDF:295078.4/5
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 20.146+/-0.008 χ²/NDF:14175.0/3
Left: 20.900+/-0.005 χ²/NDF: 326412.6/9
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 20.872+/-0.005 χ²/NDF:1507069.0/19
Out: 20.408+/-0.005 χ²/NDF:2773344.1/24
All: 20.628+/-0.003 χ²/NDF: 4285290.9/44



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.022+/-0.011 χ^2/NDF:2.0/3

Left: 0.006+/-0.008 χ^2/NDF: 26.8/9

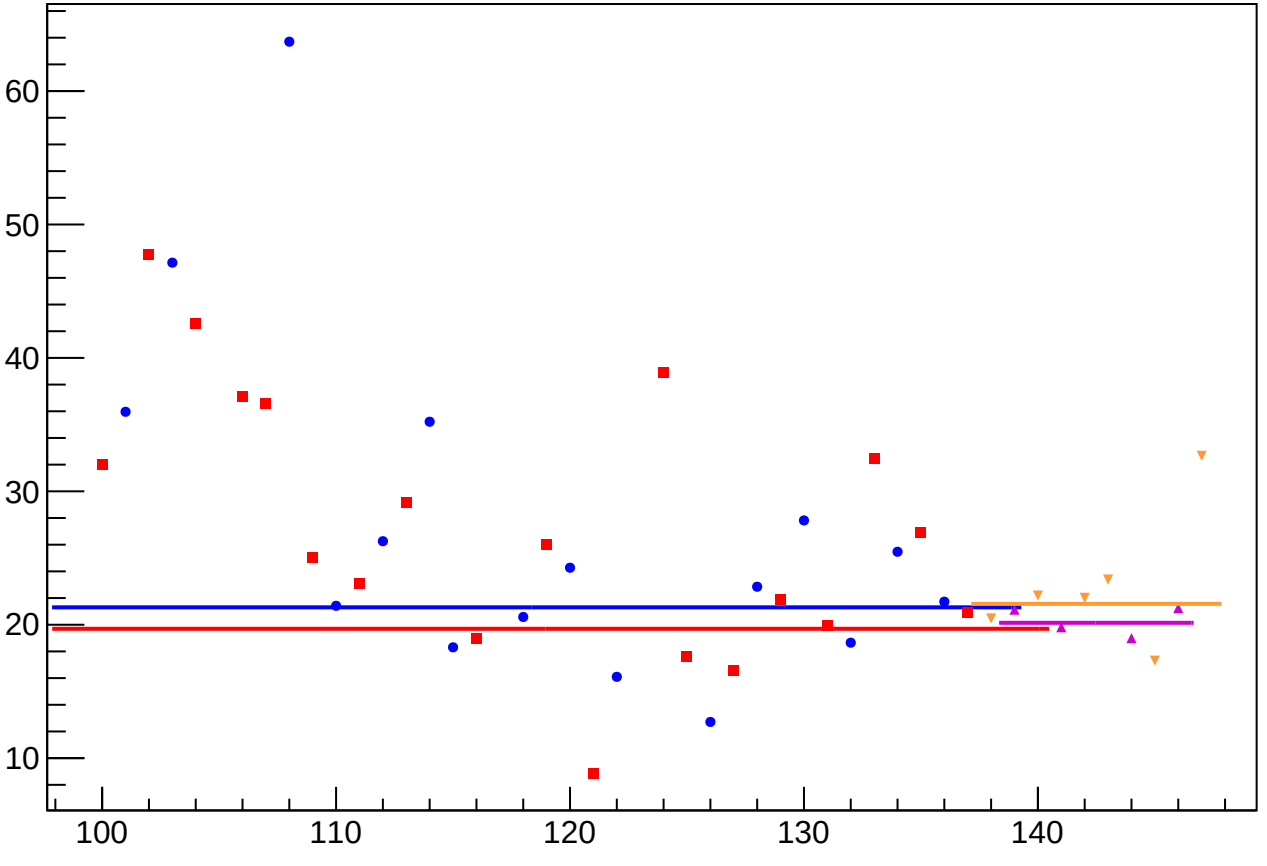
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.5/19

Out: 0.002+/-0.006 χ^2/NDF:34.8/24

All: -0.005+/-0.005 χ^2/NDF: 54.8/44

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: 21.566+/-0.007 χ^2/NDF:295078.4/5

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.146+/-0.008 χ^2/NDF:14175.0/3

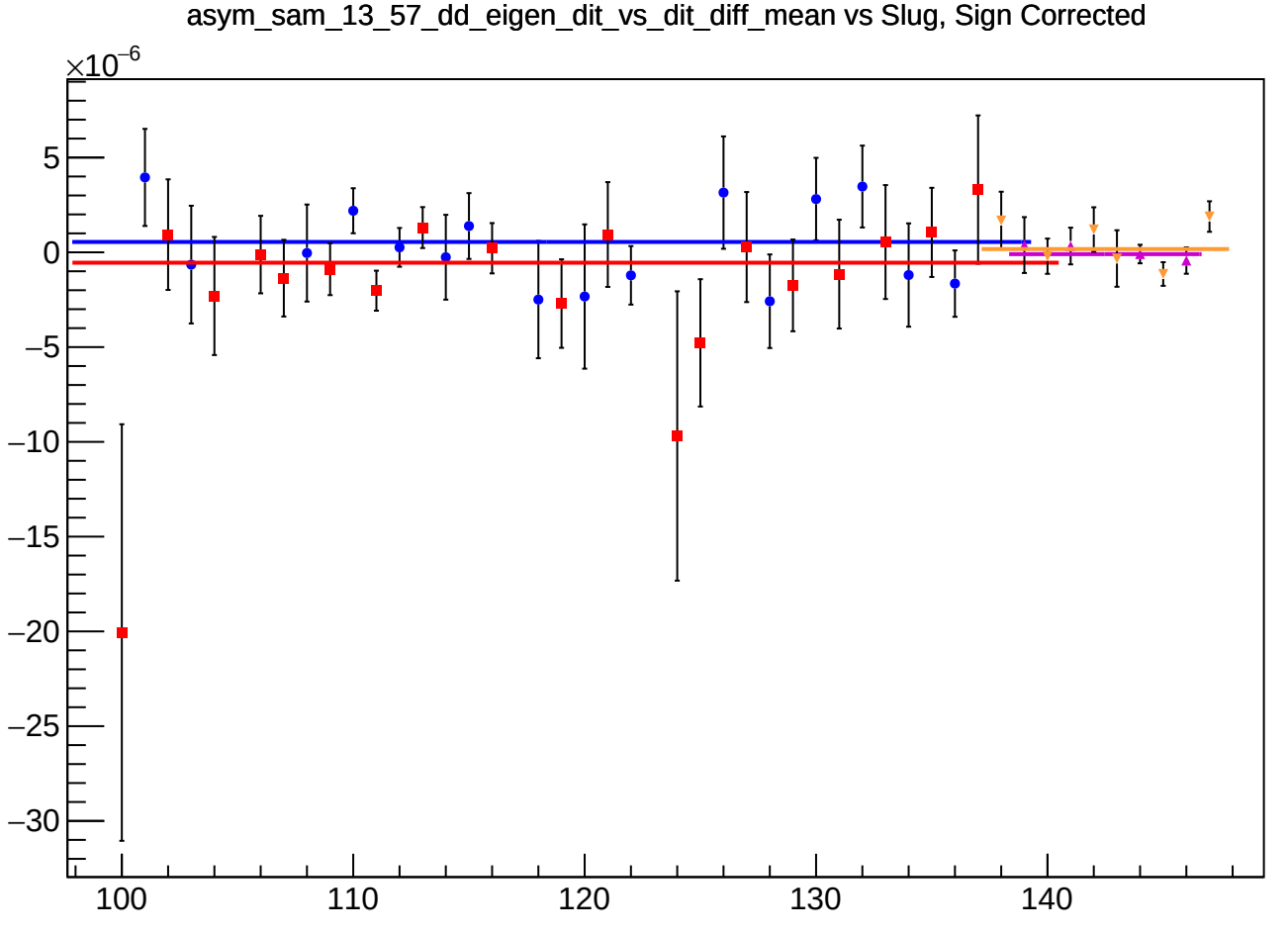
Left: 20.900+/-0.005 χ^2/NDF: 326412.6/9

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.872+/-0.005 χ^2/NDF:1507069.0/19

Out: 20.408+/-0.005 χ^2/NDF:2773344.1/24

All: 20.628+/-0.003 χ^2/NDF: 4285290.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.5/3

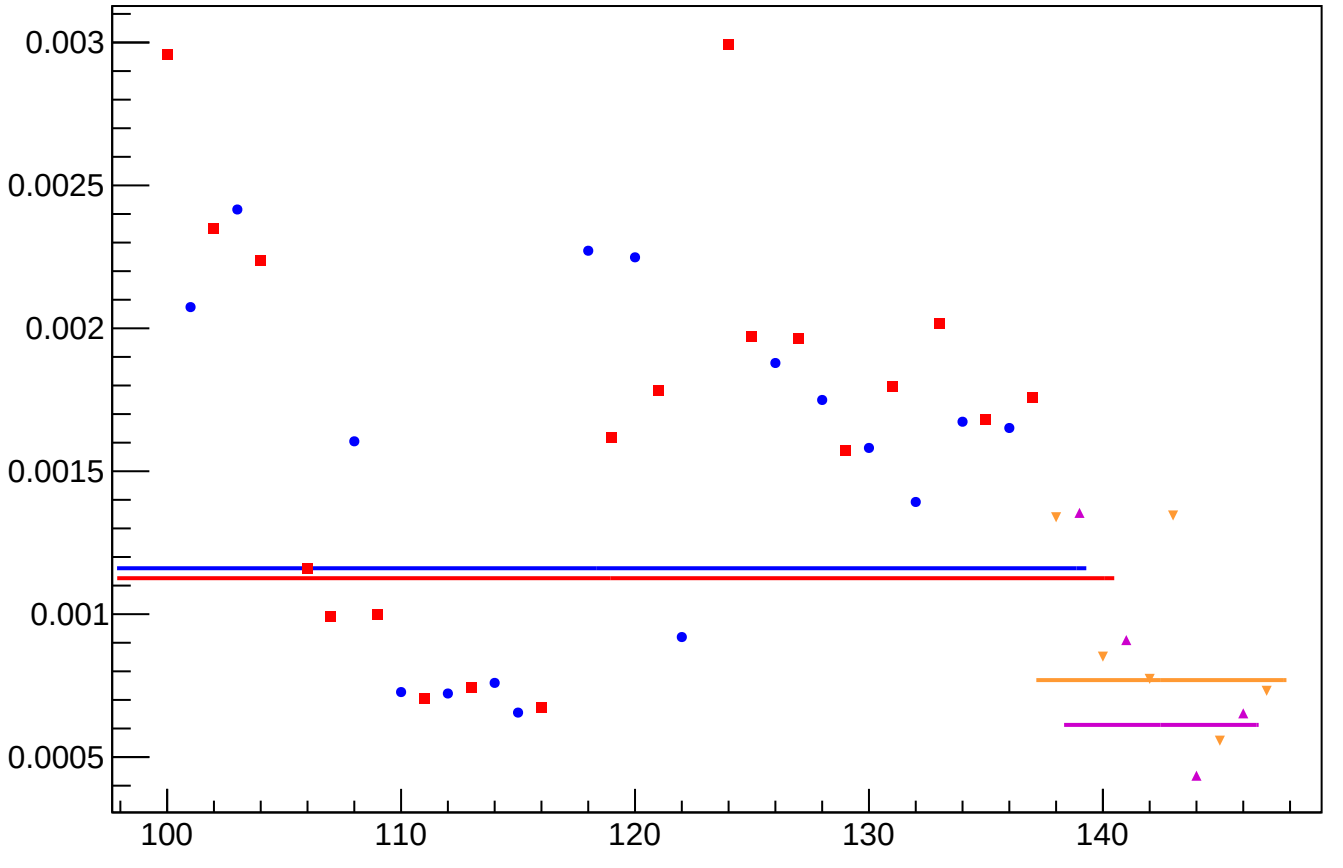
Left: 0.000+/-0.000 χ^2/NDF: 11.8/9

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:16.1/19

Out: -0.000+/-0.000 χ^2/NDF:27.8/24

All: 0.000+/-0.000 χ^2/NDF: 44.3/44



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:829538.4/5

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:964555.7/3

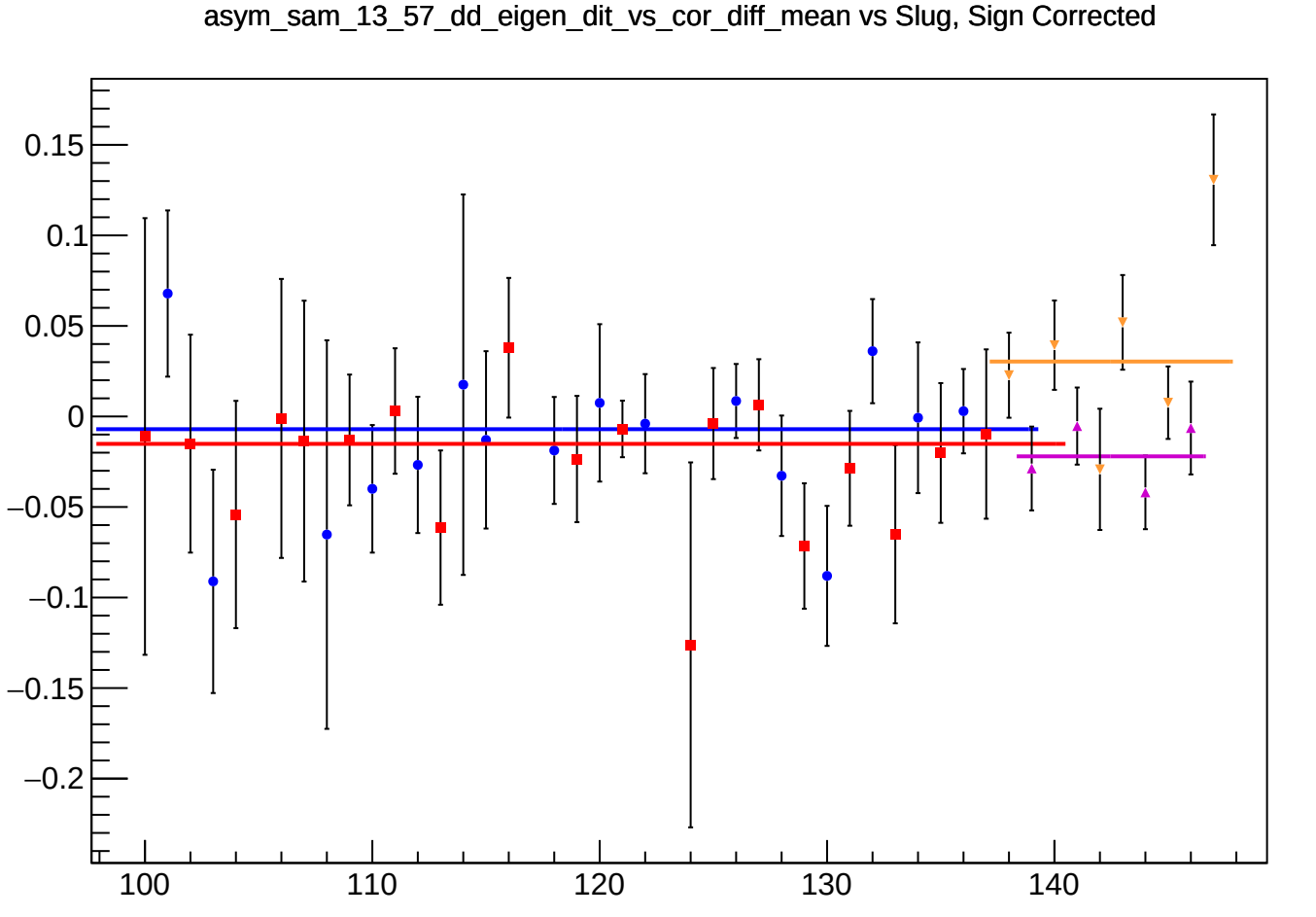
Left: 0.001+/-0.000 χ^2/NDF: 1973282.0/9

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:5177377.3/19

Out: 0.001+/-0.000 χ^2/NDF:4168287.3/24

All: 0.001+/-0.000 χ^2/NDF: 9477354.9/44



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.030+/-0.010 χ^2/NDF:13.1/5

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.022+/-0.011 χ^2/NDF:2.0/3

Left: 0.006+/-0.008 χ^2/NDF: 26.8/9

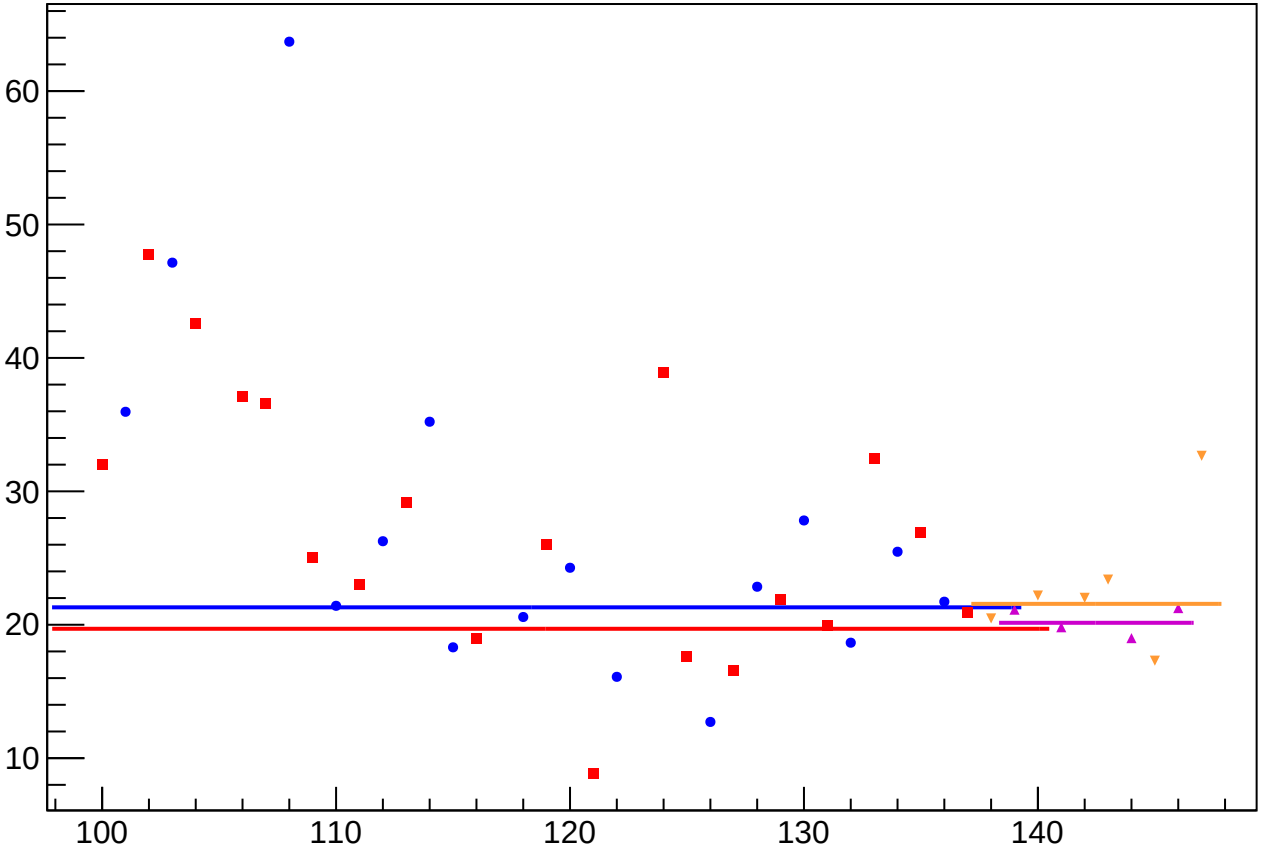
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.5/19

Out: 0.002+/-0.006 χ^2/NDF:34.8/24

All: -0.005+/-0.005 χ^2/NDF: 54.8/44

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: 21.566+/-0.007 χ^2/NDF:295101.6/5

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.146+/-0.008 χ^2/NDF:14179.3/3

Left: 20.900+/-0.005 χ^2/NDF: 326436.9/9

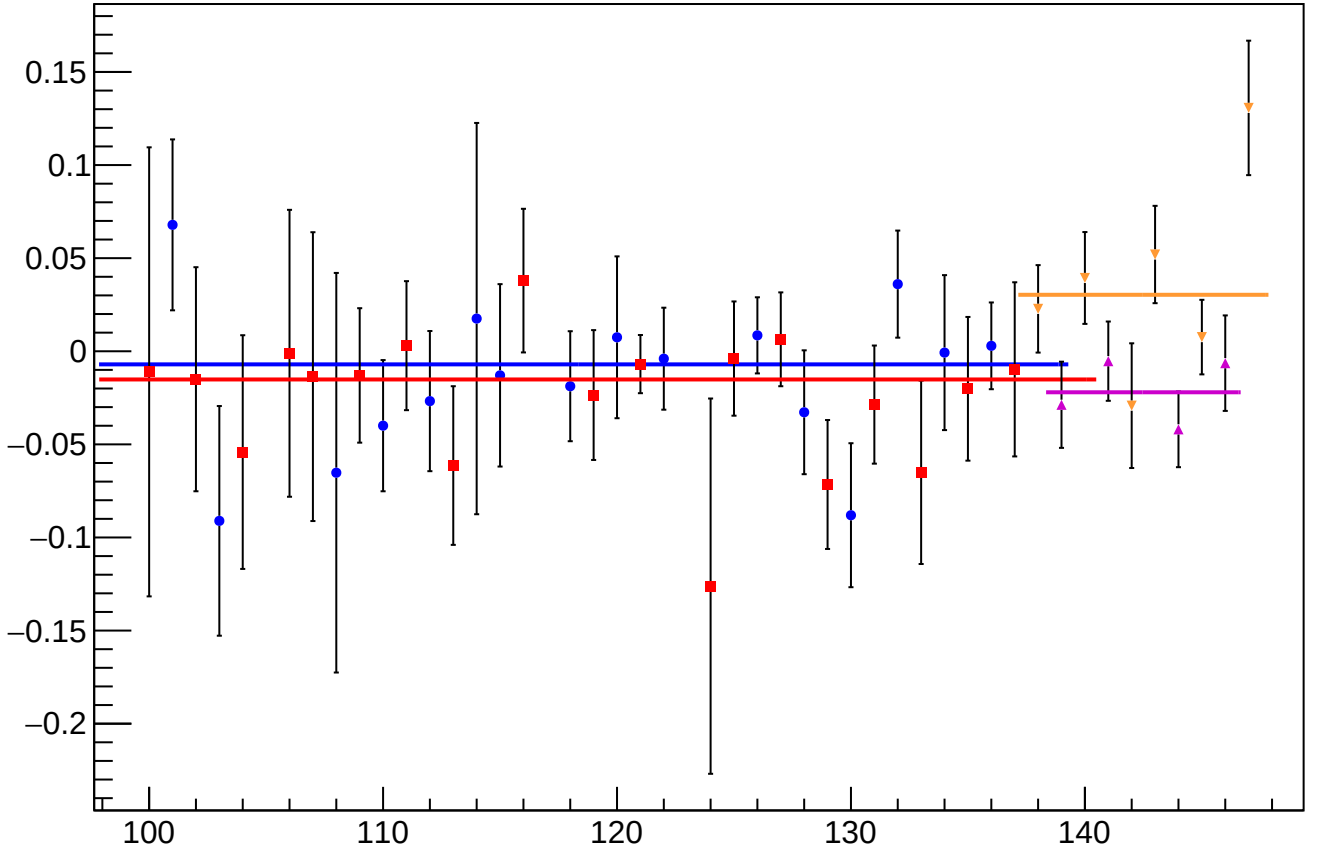
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.873+/-0.005 χ^2/NDF:1506908.1/19

Out: 20.408+/-0.005 χ^2/NDF:2772976.1/24

All: 20.628+/-0.003 χ^2/NDF: 4284758.1/44

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: 0.030+/-0.010 χ^2/NDF:13.1/5

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.022+/-0.011 χ^2/NDF:2.0/3

Left: 0.006+/-0.008 χ^2/NDF: 26.8/9

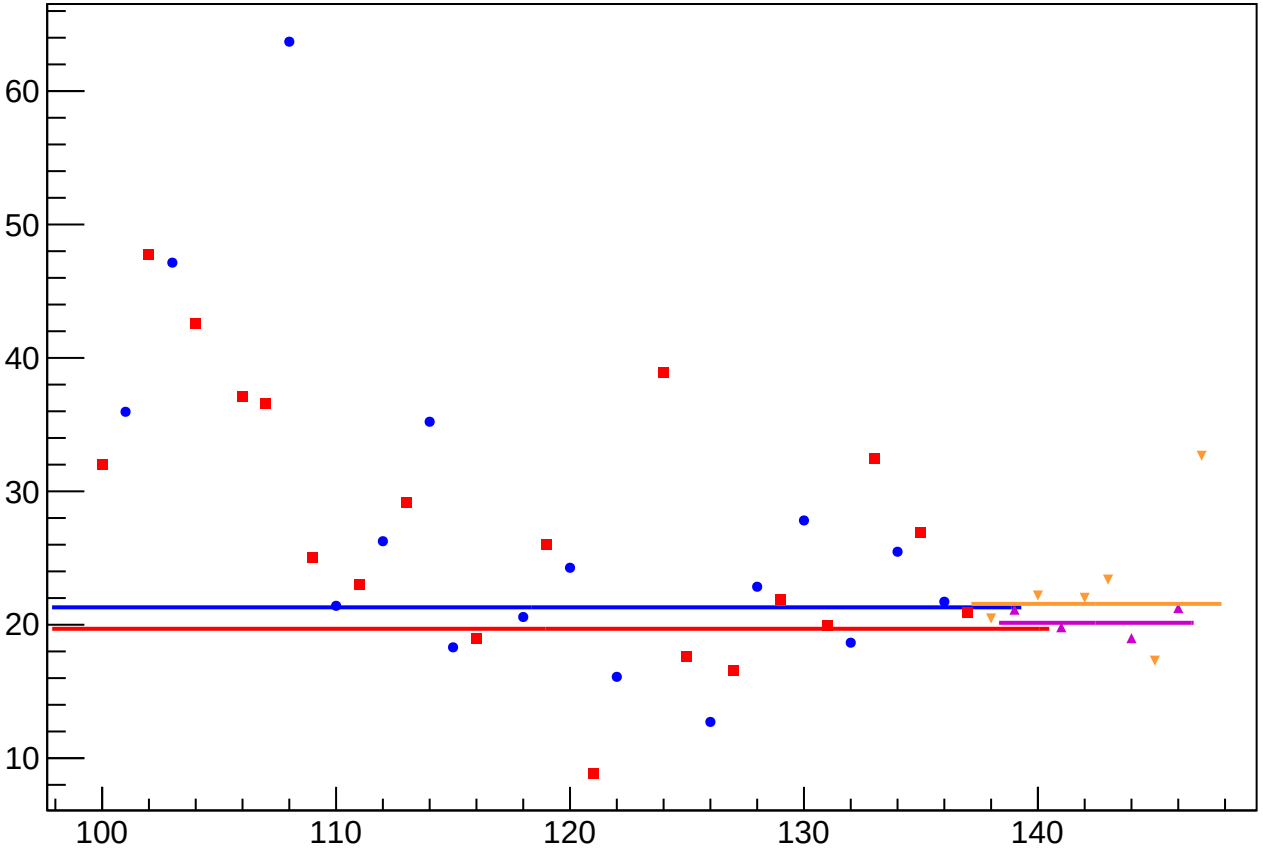
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.007 χ^2/NDF:17.5/19

Out: 0.002+/-0.006 χ^2/NDF:34.8/24

All: -0.005+/-0.005 χ^2/NDF: 54.8/44

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: 21.566+/-0.007 χ^2/NDF:295101.6/5

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.146+/-0.008 χ^2/NDF:14179.3/3

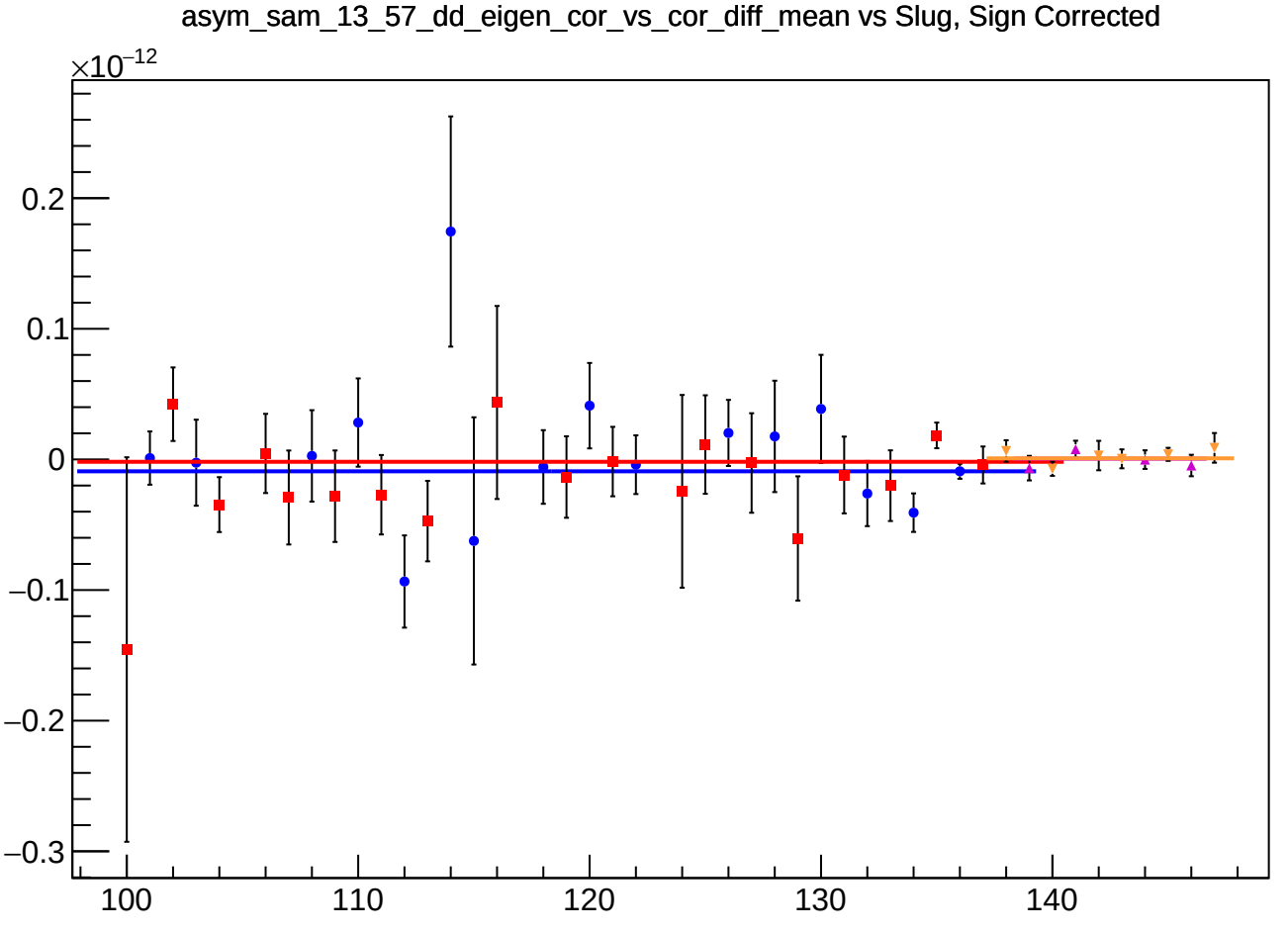
Left: 20.900+/-0.005 χ^2/NDF: 326436.9/9

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.873+/-0.005 χ^2/NDF:1506908.1/19

Out: 20.408+/-0.005 χ^2/NDF:2772976.1/24

All: 20.628+/-0.003 χ^2/NDF: 4284758.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/3

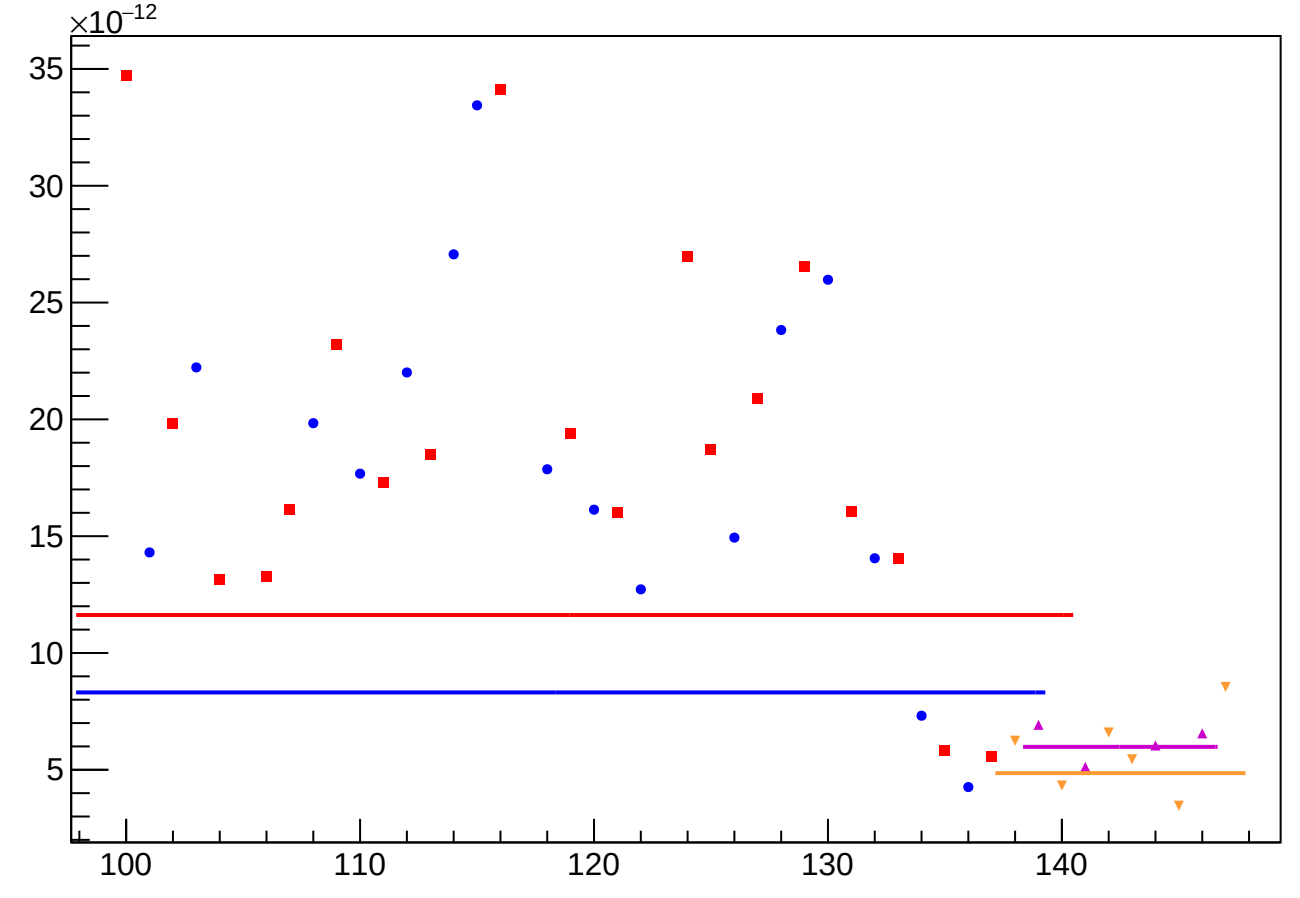
Left: 0.000+/-0.000 χ^2/NDF: 5.9/9

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:27.5/19

Out: 0.000+/-0.000 χ^2/NDF:20.8/24

All: -0.000+/-0.000 χ^2/NDF: 49.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:503651.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:65237.9/3

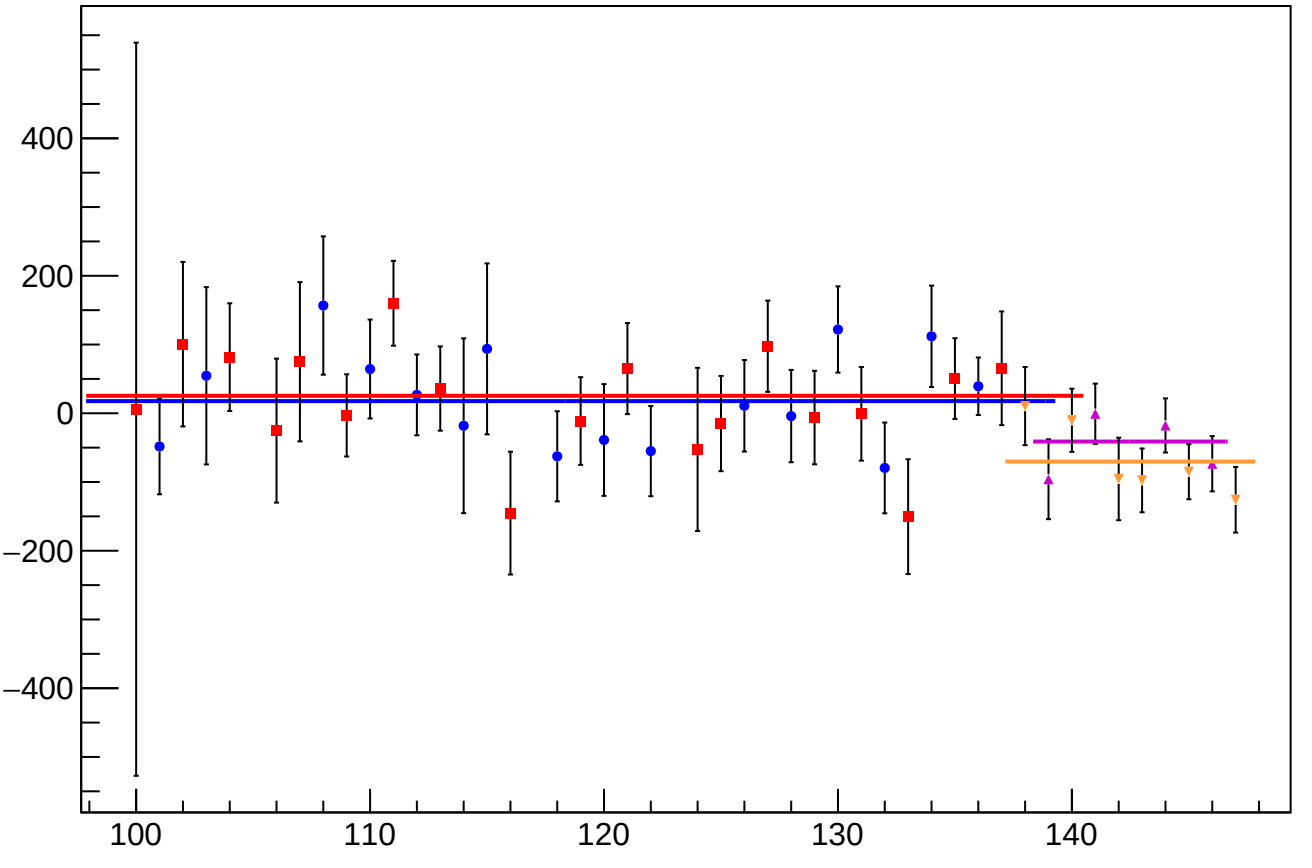
Left: 0.000+/-0.000 χ^2/NDF: 681609.1/9

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:4111084.5/19

Out: 0.000+/-0.000 χ^2/NDF:5382110.7/24

All: 0.000+/-0.000 χ^2/NDF: 9566555.6/44



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -70.247+/-19.654 χ^2/NDF:5.7/5

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -41.150+/-21.916 χ^2/NDF:2.7/3

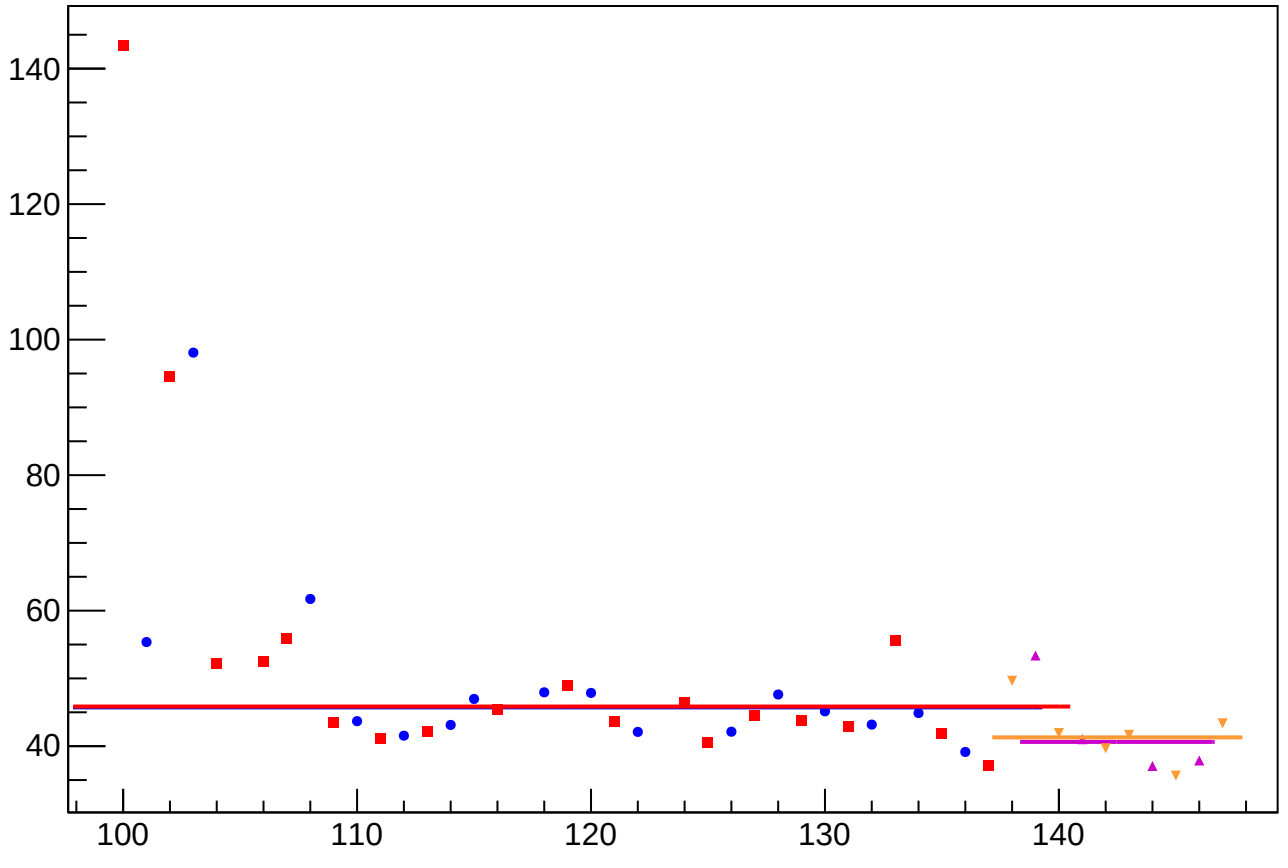
Left: -57.277+/-14.632 χ^2/NDF: 9.5/9

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -5.165+/-13.661 χ^2/NDF:21.1/19

Out: -16.433+/-13.001 χ^2/NDF:36.9/24

All: -11.078+/-9.418 χ^2/NDF: 58.4/44



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.295+/-0.014 χ^2/NDF:88684.9/5

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

Left: 40.998+/-0.010 χ^2/NDF: 211730.5/9

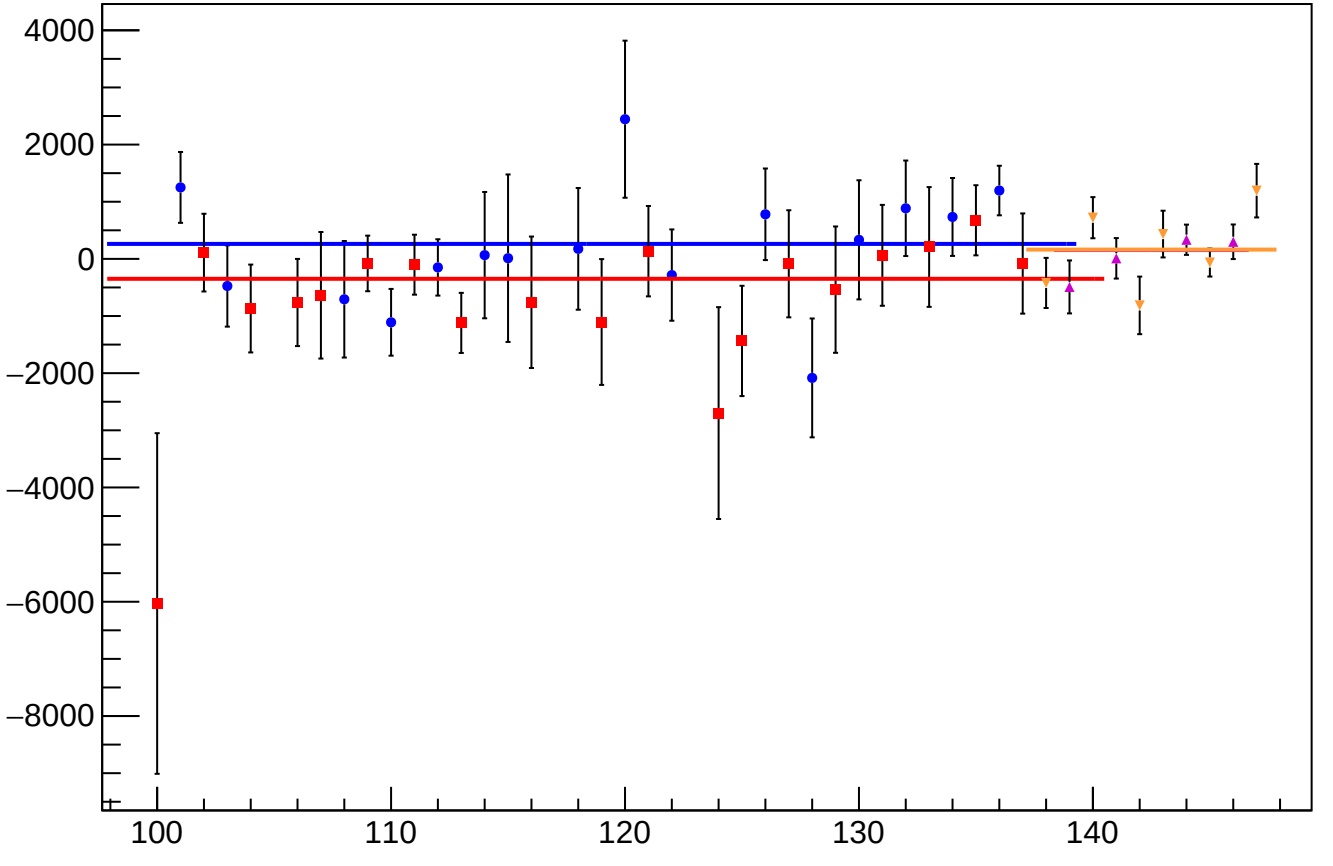
Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 43.746+/-0.010 χ^2/NDF:689634.2/19

Out: 43.856+/-0.009 χ^2/NDF:689234.1/24

All: 43.804+/-0.007 χ^2/NDF: 1378936.4/44

asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 162.381+/-150.756 χ^2/NDF:14.1/5

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 154.368+/-162.619 χ^2/NDF:2.8/3

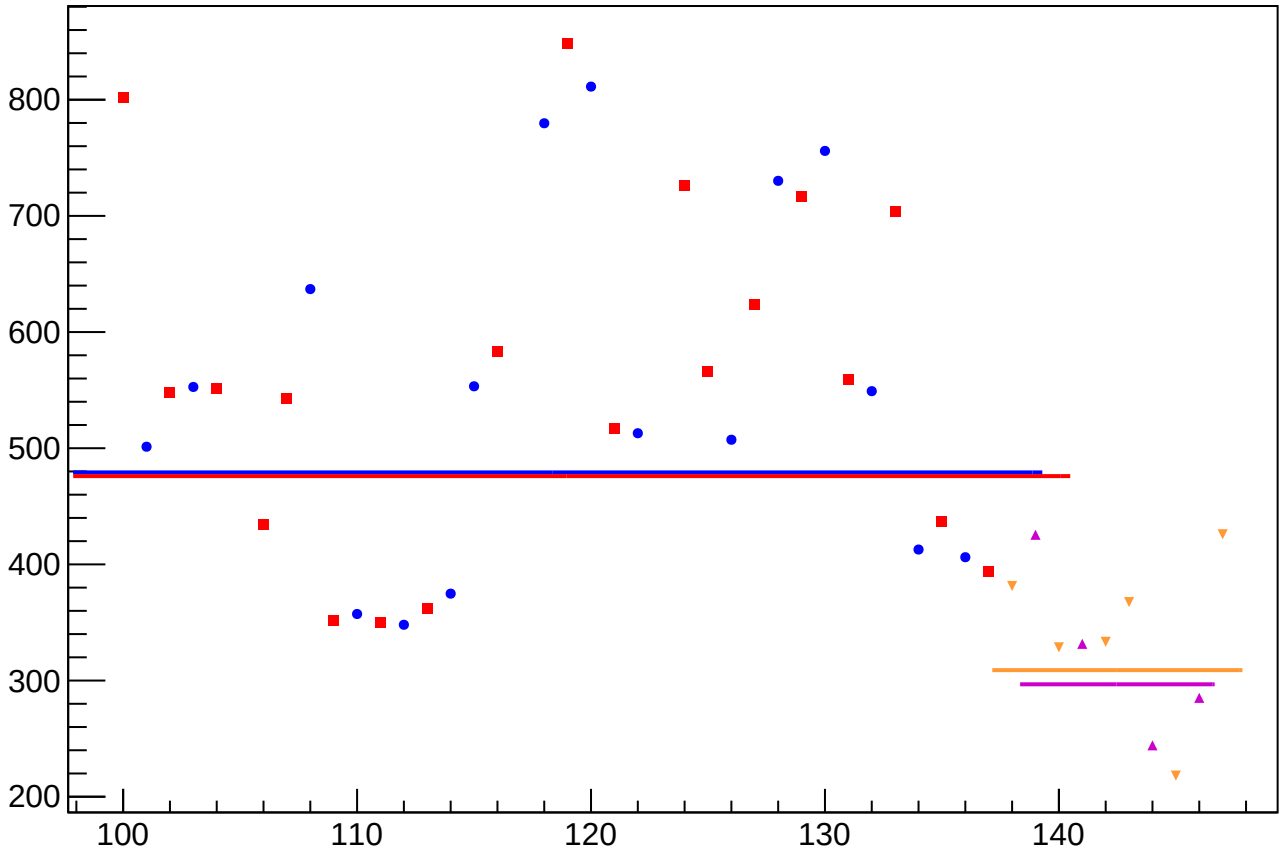
Left: 158.677+/-110.557 χ^2/NDF: 16.9/9

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 201.198+/-122.200 χ^2/NDF:28.0/19

Out: -47.381+/-115.755 χ^2/NDF:33.7/24

All: 70.180+/-84.037 χ^2/NDF: 63.8/44



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 308.967+/-0.107 χ^2/NDF:504434.1/5

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 296.768+/-0.115 χ^2/NDF:255365.5/3

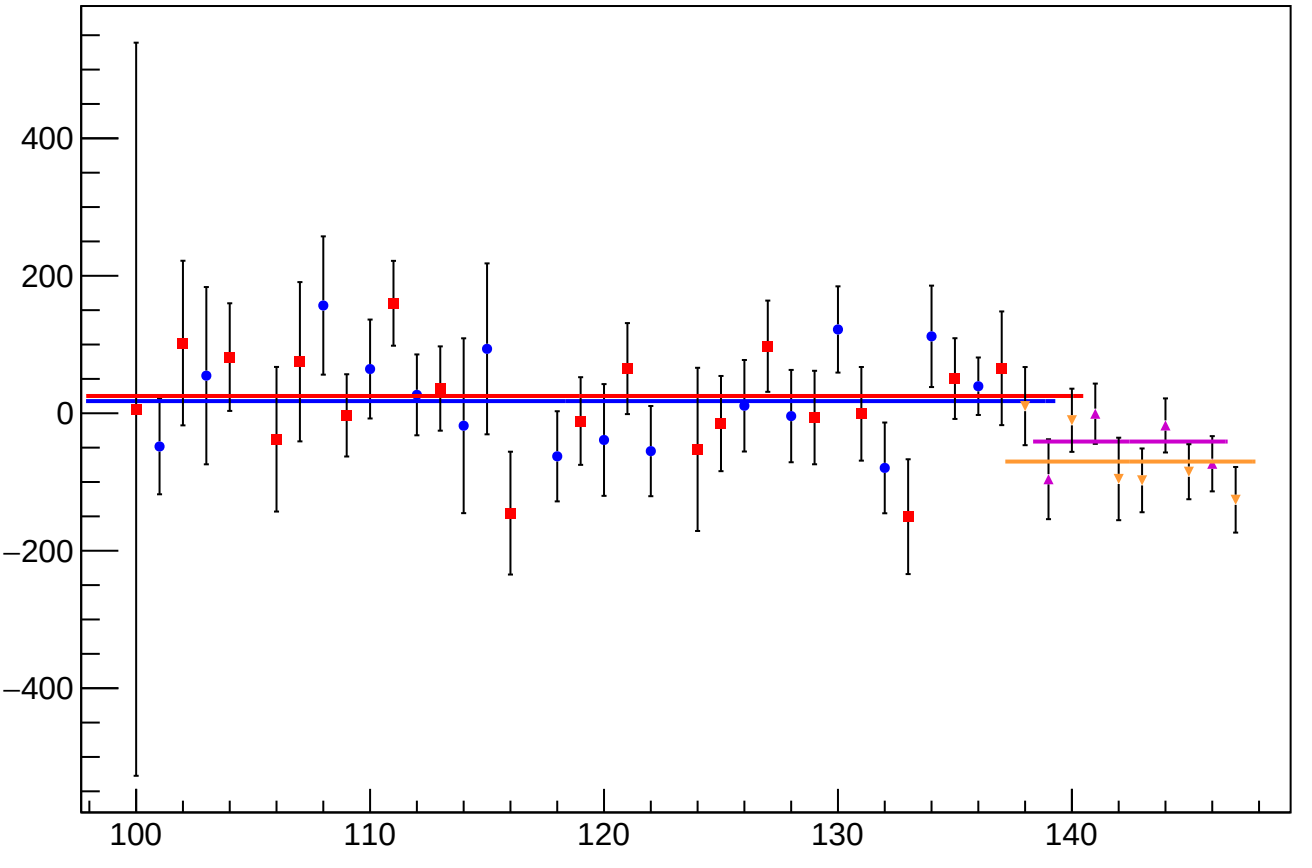
Left: 303.328+/-0.078 χ^2/NDF: 765852.1/9

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 376.175+/-0.086 χ^2/NDF:2303508.9/19

Out: 377.520+/-0.082 χ^2/NDF:2518532.7/24

All: 376.884+/-0.059 χ^2/NDF: 4822169.3/44



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -70.246+/-19.654 χ^2/NDF:5.7/5

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -41.147+/-21.916 χ^2/NDF:2.7/3

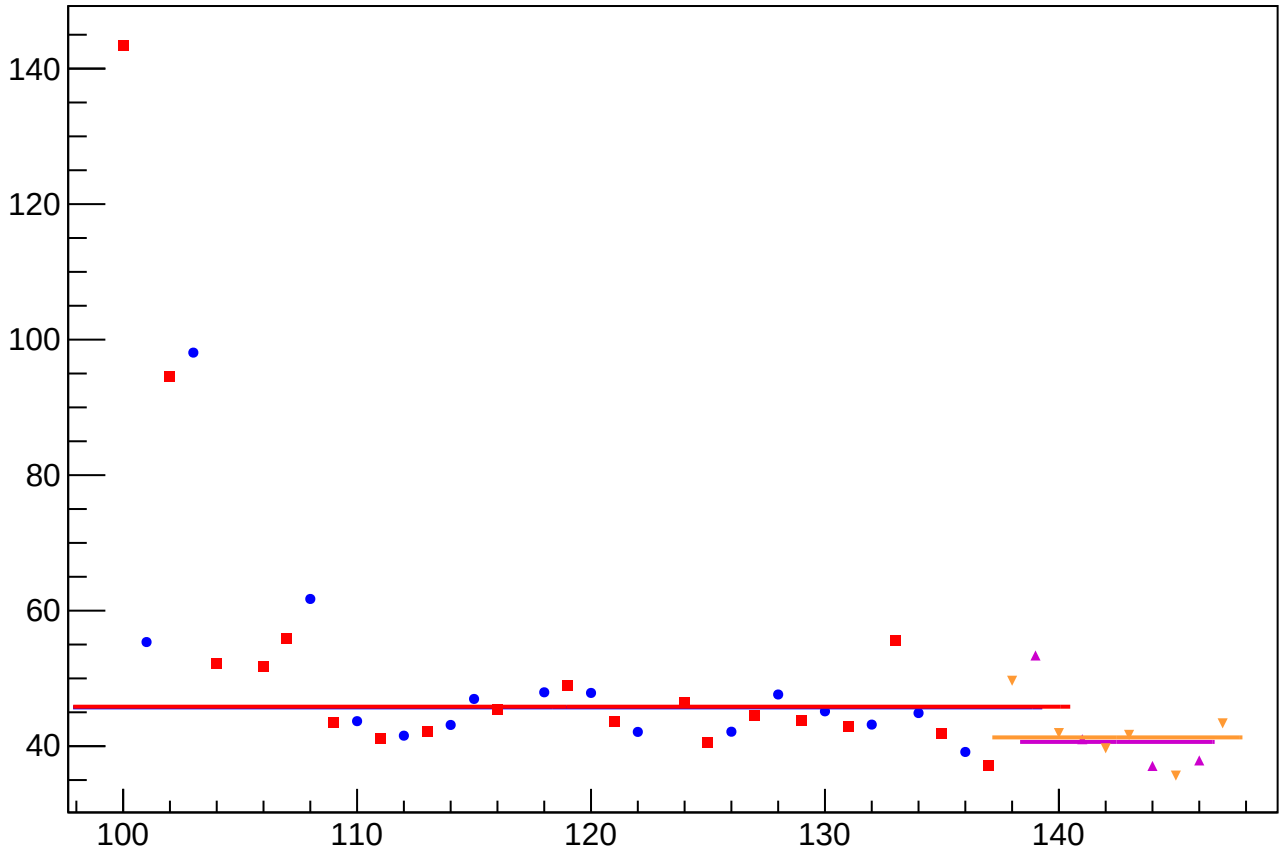
Left: -57.275+/-14.632 χ^2/NDF: 9.5/9

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -5.161+/-13.661 χ^2/NDF:21.1/19

Out: -16.605+/-13.002 χ^2/NDF:37.0/24

All: -11.165+/-9.418 χ^2/NDF: 58.4/44



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.295+/-0.014 χ^2/NDF:88684.9/5

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

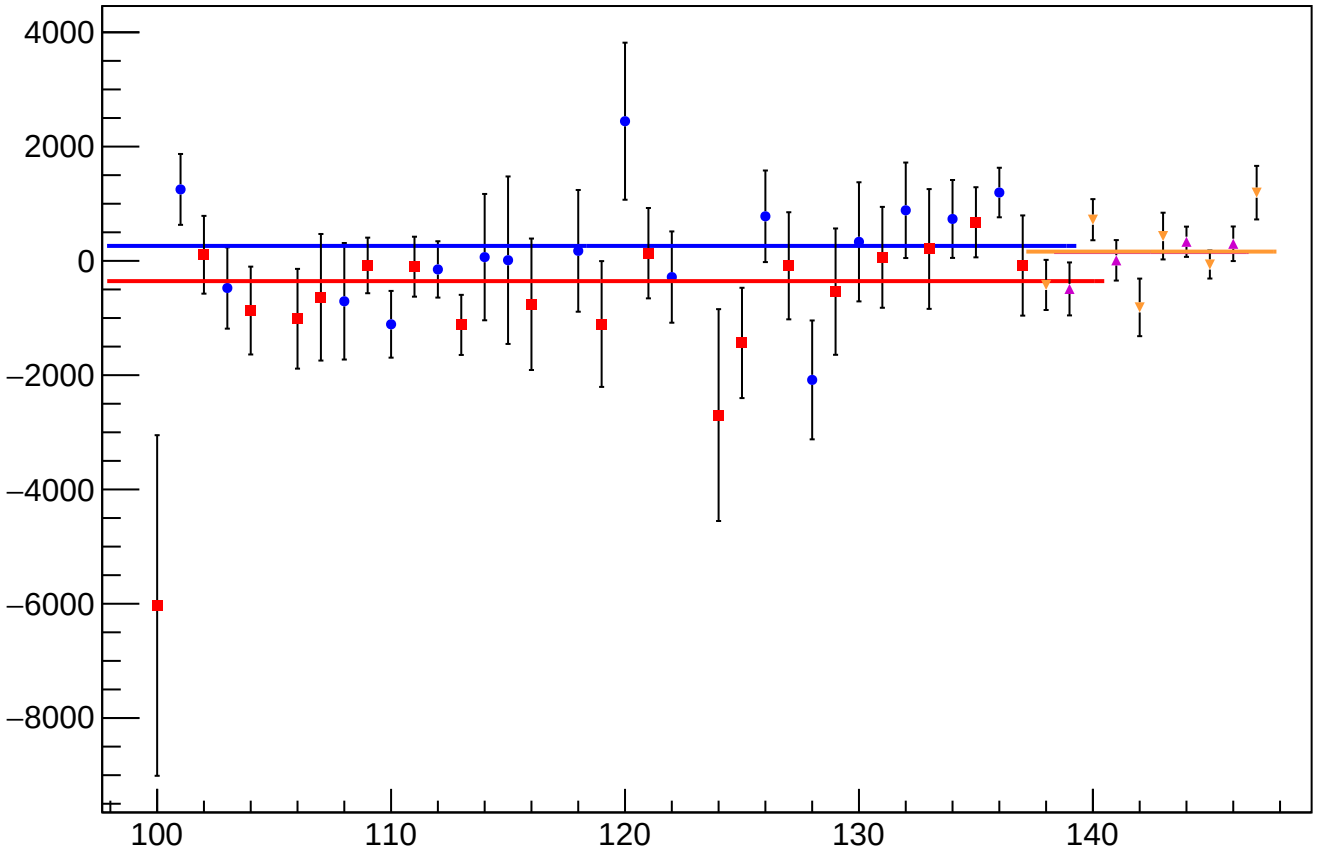
Left: 40.998+/-0.010 χ^2/NDF: 211730.5/9

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.746+/-0.010 χ^2/NDF:689637.2/19

Out: 43.843+/-0.009 χ^2/NDF:686909.9/24

All: 43.797+/-0.007 χ^2/NDF: 1376599.2/44



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 162.380+/-150.756 χ^2/NDF:14.1/5

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 154.369+/-162.620 χ^2/NDF:2.8/3

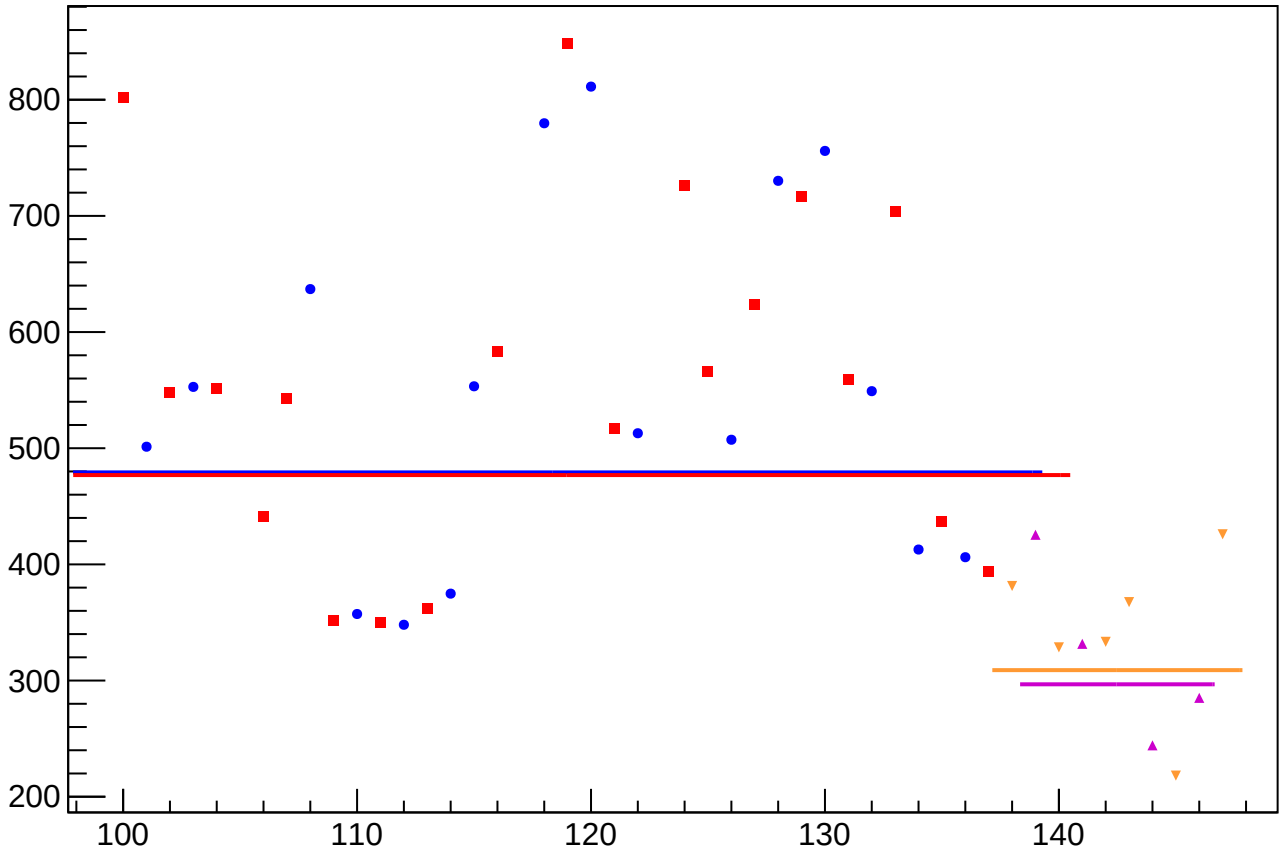
Left: 158.677+/-110.557 χ^2/NDF: 16.9/9

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 201.200+/-122.201 χ^2/NDF:28.0/19

Out: -47.966+/-116.074 χ^2/NDF:34.1/24

All: 70.215+/-84.159 χ^2/NDF: 64.2/44



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 308.966+/-0.107 χ^2/NDF:504434.1/5

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 296.768+/-0.115 χ^2/NDF:255366.5/3

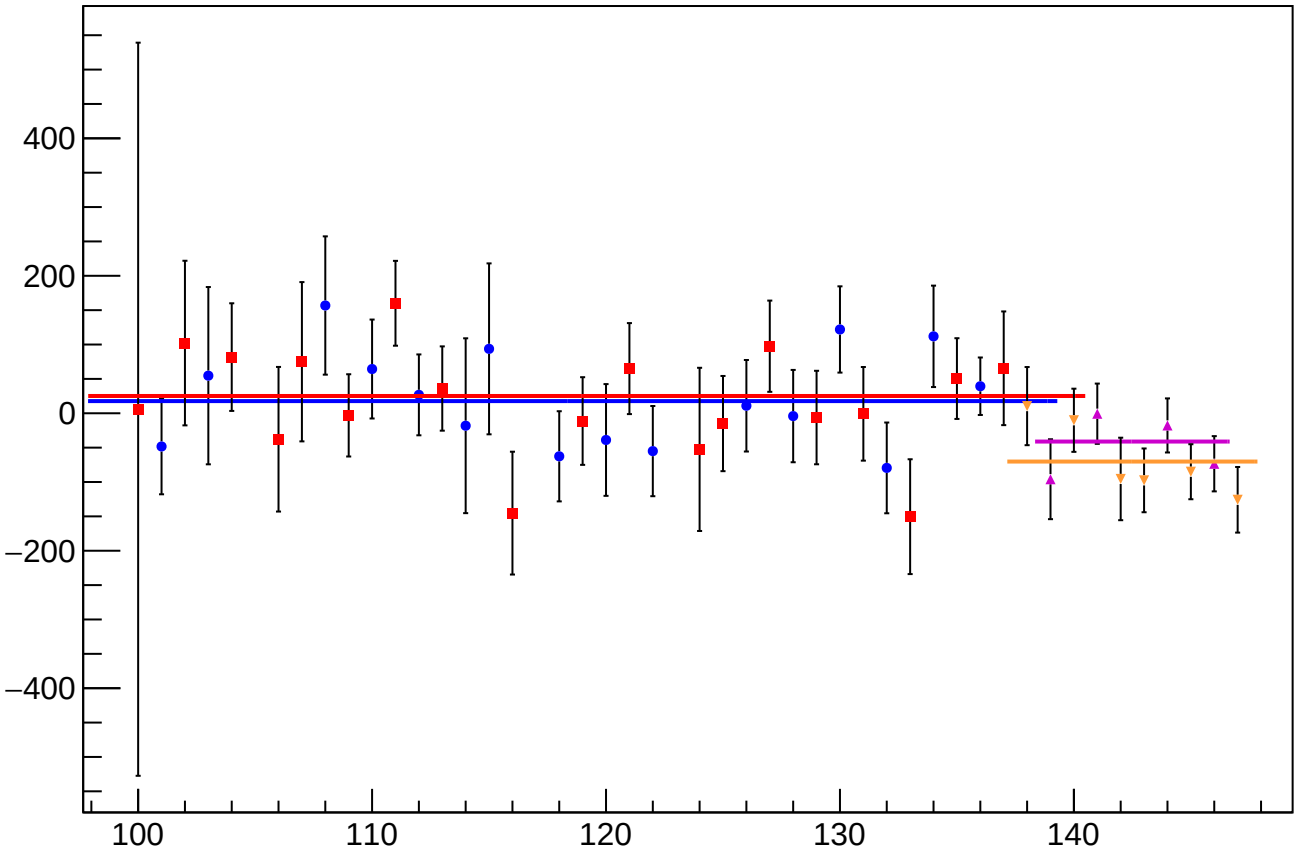
Left: 303.328+/-0.078 χ^2/NDF: 765852.8/9

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 376.176+/-0.086 χ^2/NDF:2303555.8/19

Out: 377.344+/-0.082 χ^2/NDF:2518637.5/24

All: 376.790+/-0.060 χ^2/NDF: 4822289.3/44



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -70.246+/-19.654 χ^2/NDF:5.7/5

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -41.147+/-21.916 χ^2/NDF:2.7/3

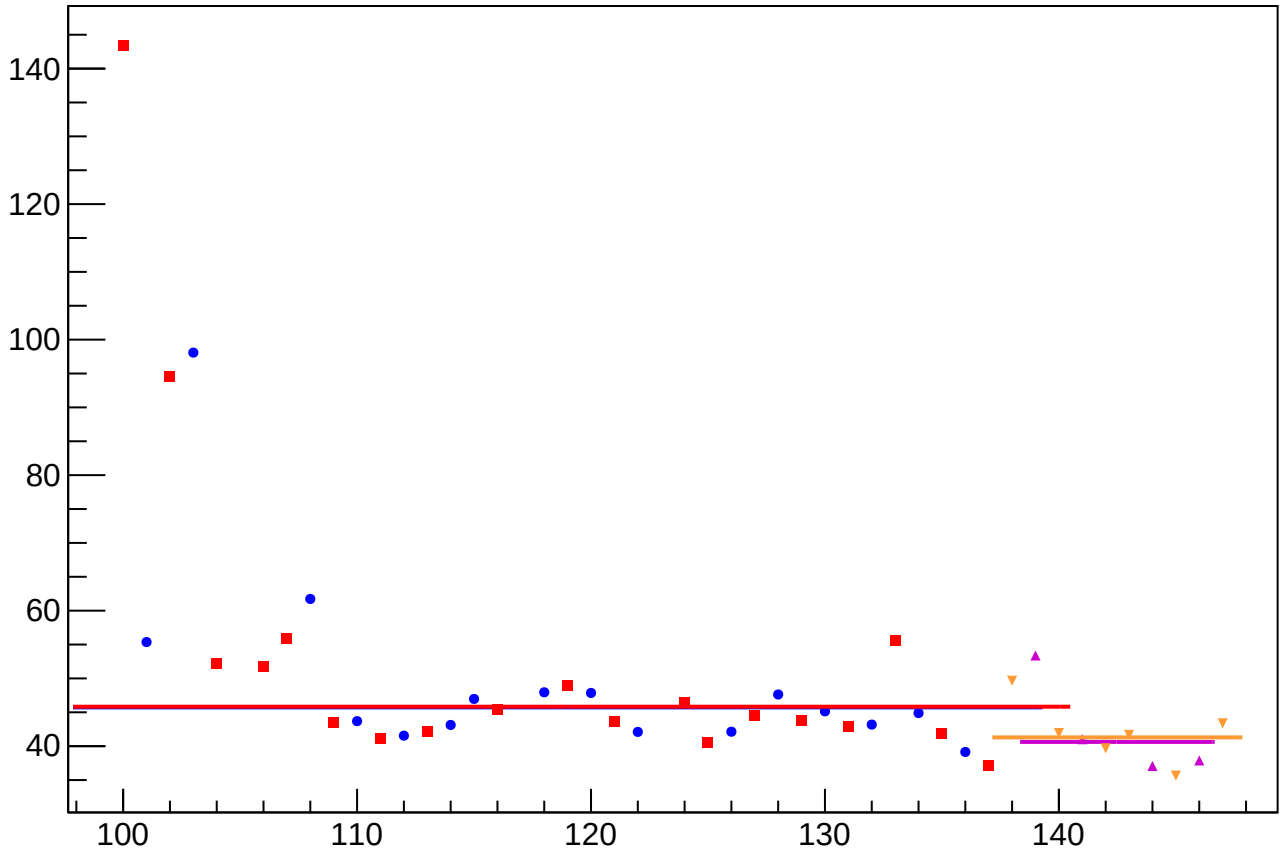
Left: -57.275+/-14.632 χ^2/NDF: 9.5/9

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -5.161+/-13.661 χ^2/NDF:21.1/19

Out: -16.605+/-13.002 χ^2/NDF:37.0/24

All: -11.165+/-9.418 χ^2/NDF: 58.4/44



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.295+/-0.014 χ^2/NDF:88684.9/5

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.630+/-0.015 χ^2/NDF:122023.1/3

Left: 40.998+/-0.010 χ^2/NDF: 211730.5/9

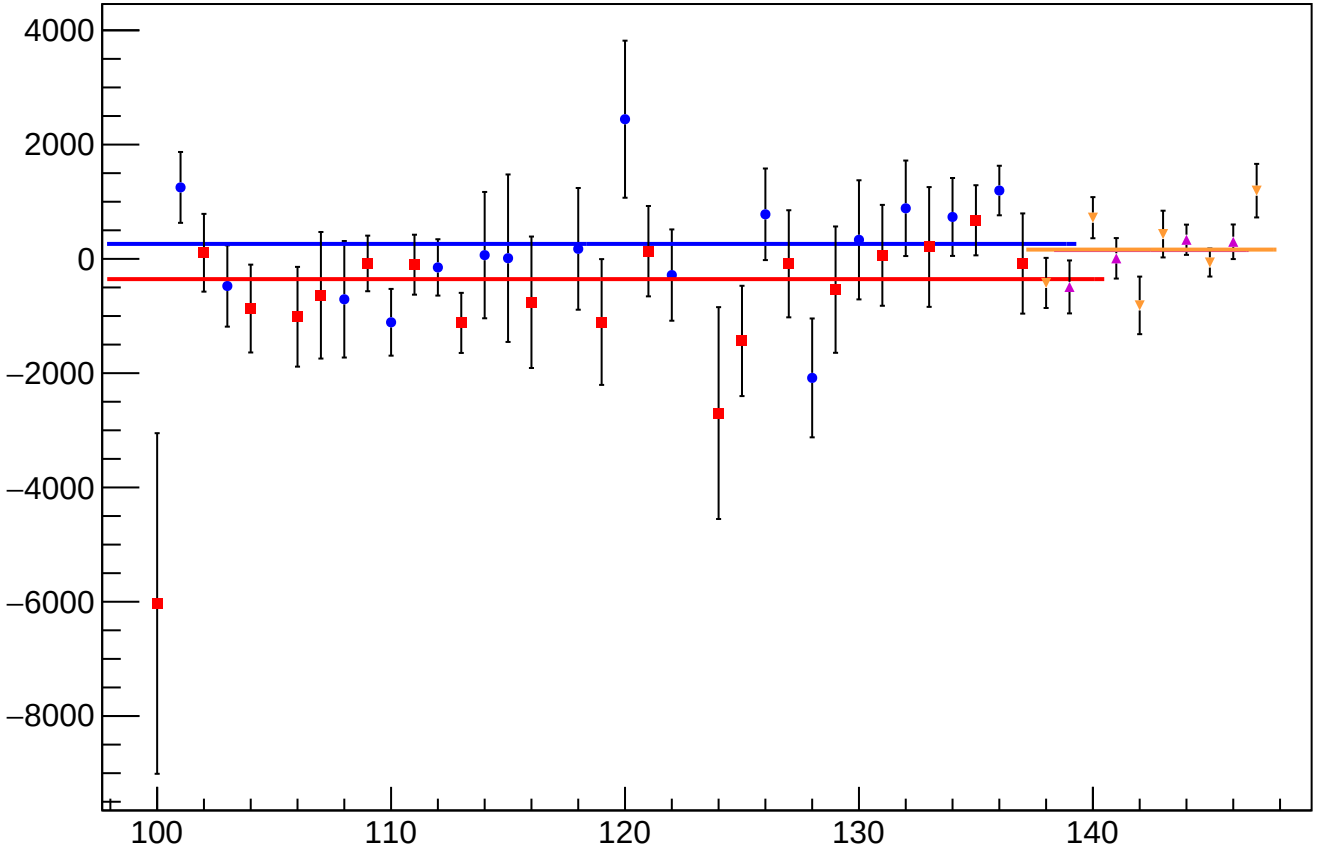
Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.746+/-0.010 χ^2/NDF:689637.2/19

Out: 43.843+/-0.009 χ^2/NDF:686909.9/24

All: 43.797+/-0.007 χ^2/NDF: 1376599.2/44

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 162.380+/-150.756 χ^2/NDF:14.1/5

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 154.369+/-162.620 χ^2/NDF:2.8/3

Left: 158.677+/-110.557 χ^2/NDF: 16.9/9

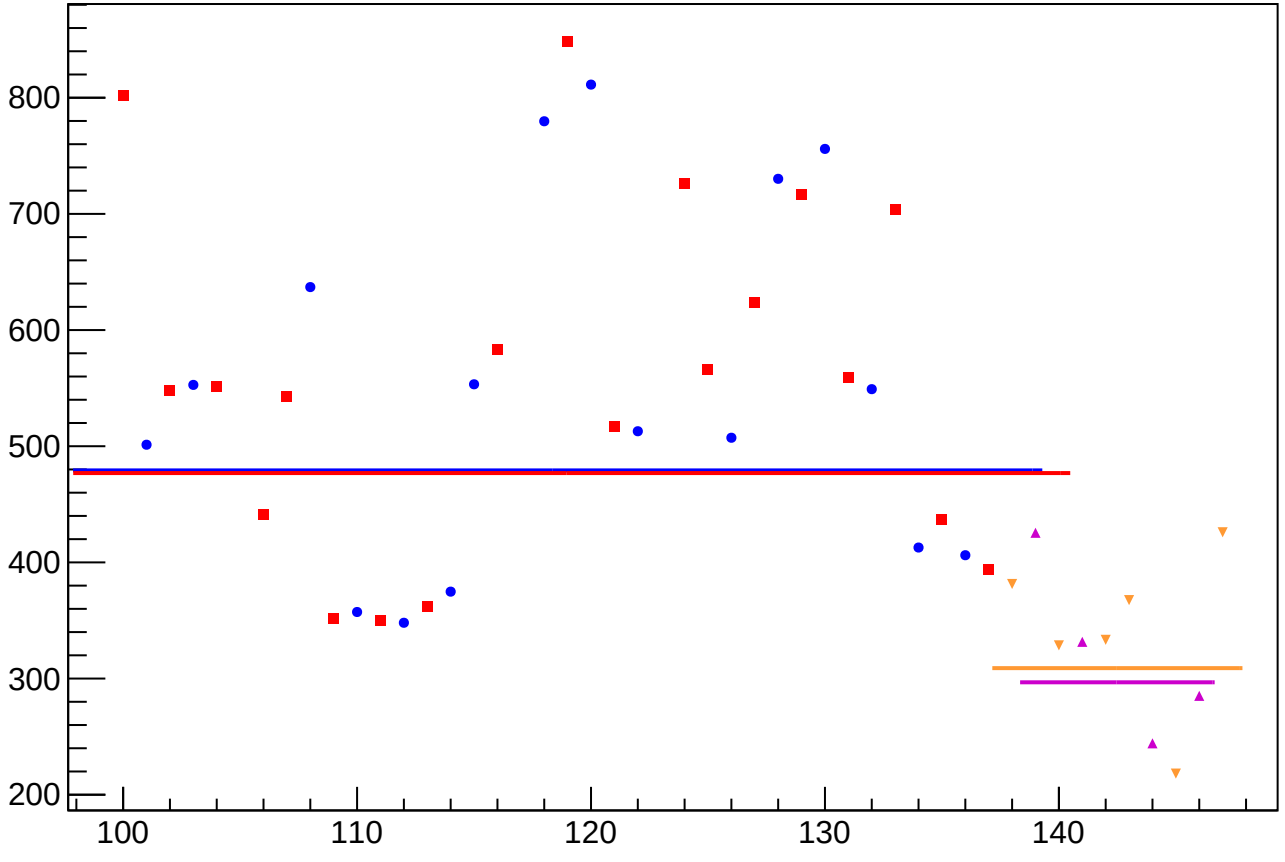
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 201.200+/-122.201 χ^2/NDF:28.0/19

Out: -47.966+/-116.074 χ^2/NDF:34.1/24

All: 70.215+/-84.159 χ^2/NDF: 64.2/44

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: 308.966+/-0.107 χ^2/NDF:504434.1/5

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 296.768+/-0.115 χ^2/NDF:255366.5/3

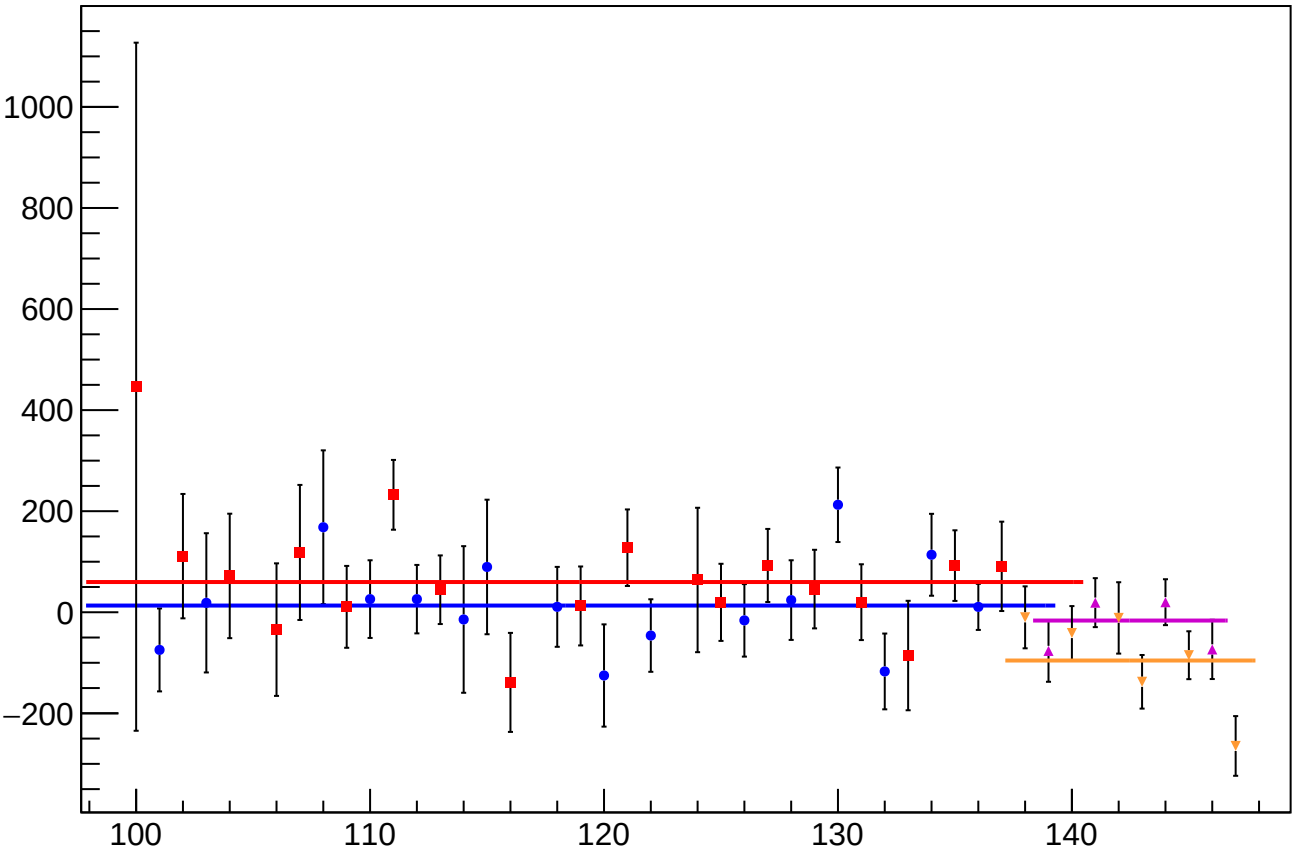
Left: 303.328+/-0.078 χ^2/NDF: 765852.8/9

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 376.176+/-0.086 χ^2/NDF:2303555.8/19

Out: 377.344+/-0.082 χ^2/NDF:2518637.5/24

All: 376.790+/-0.060 χ^2/NDF: 4822289.3/44



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.499+/-22.908 χ^2/NDF:13.3/5

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -16.399+/-26.085 χ^2/NDF:3.1/3

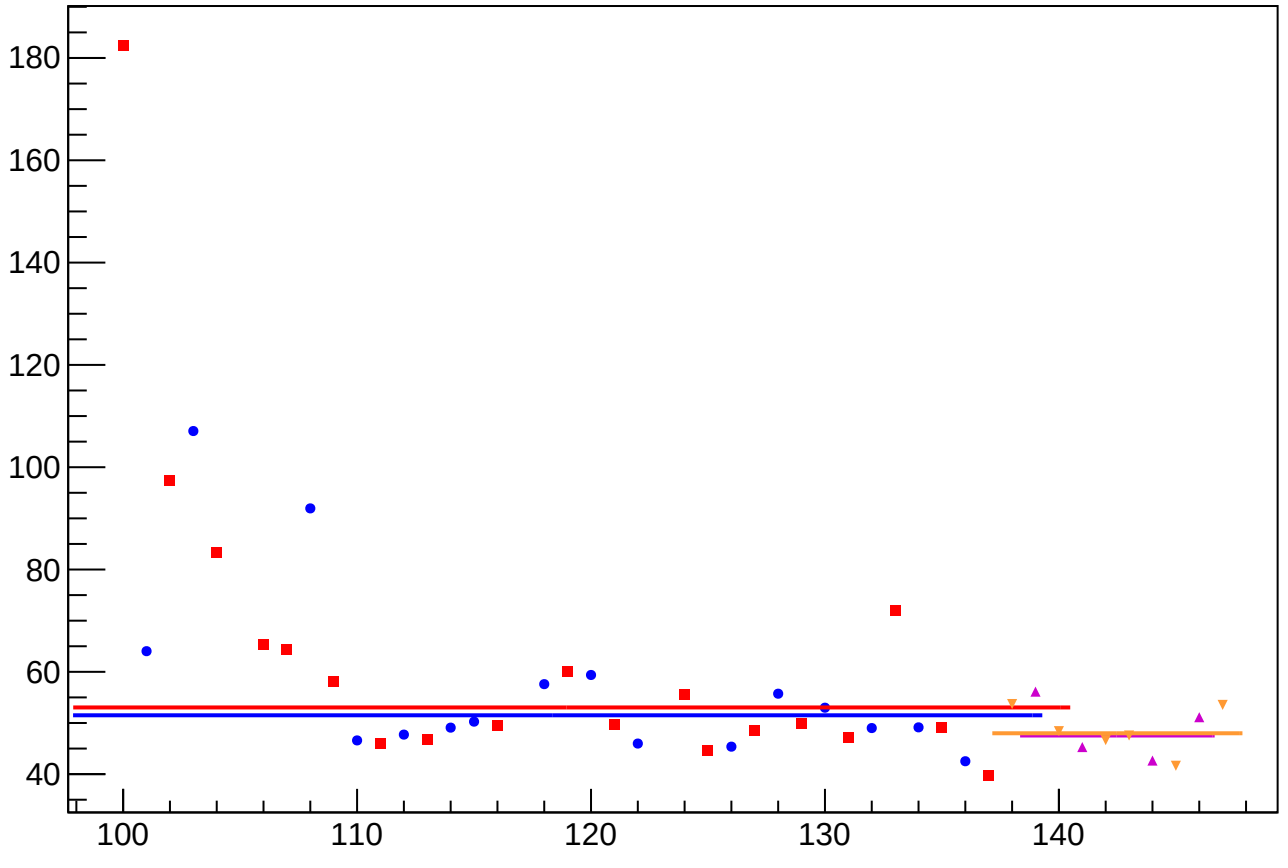
Left: -61.056+/-17.213 χ^2/NDF: 21.6/9

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: 2.388+/-15.796 χ^2/NDF:21.1/19

Out: -8.253+/-15.165 χ^2/NDF:55.2/24

All: -3.149+/-10.940 χ^2/NDF: 76.6/44



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 47.990+/-0.016 χ^2/NDF:71899.6/5

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 47.554+/-0.018 χ^2/NDF:74428.0/3

Left: 47.800+/-0.012 χ^2/NDF: 146643.4/9

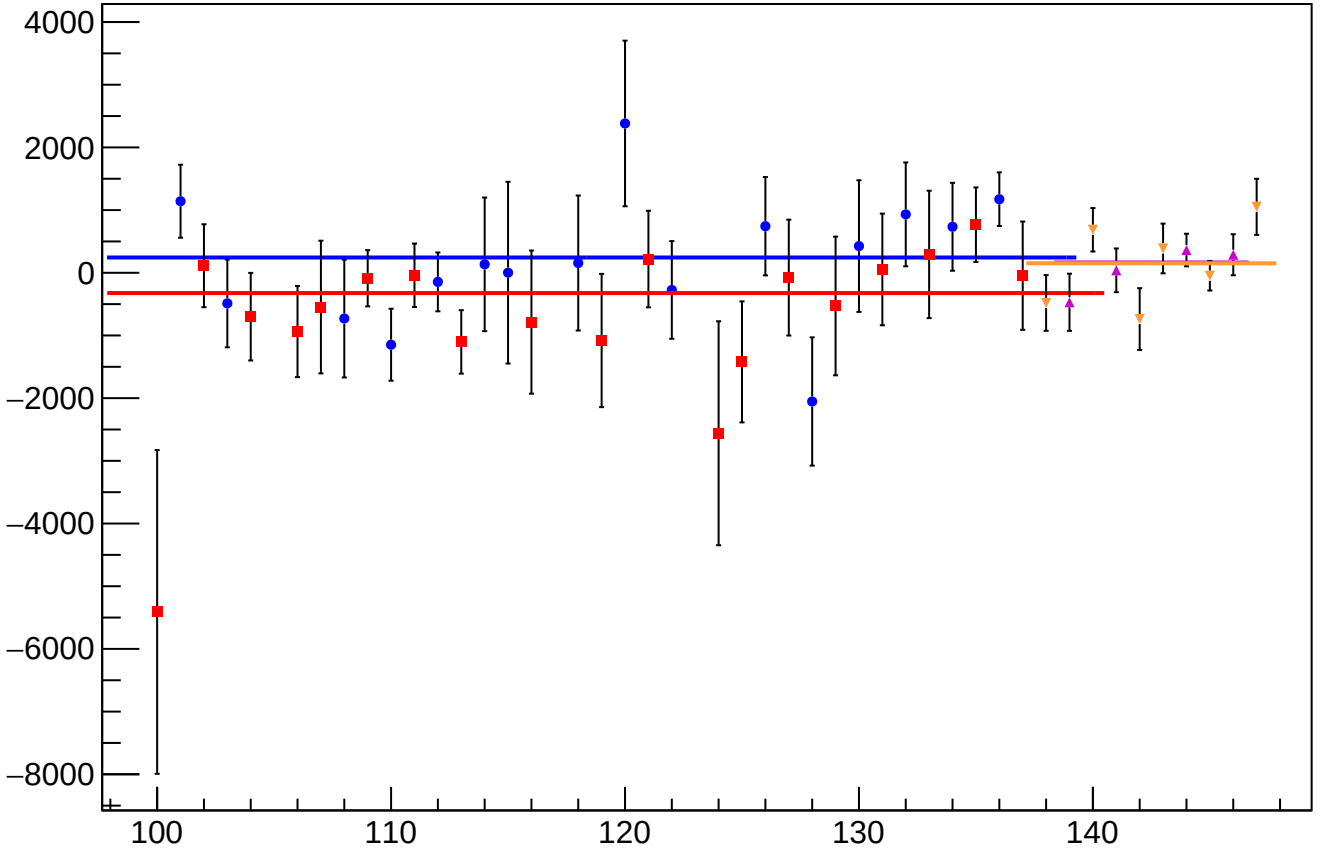
Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 50.056+/-0.011 χ^2/NDF:770559.3/19

Out: 50.825+/-0.011 χ^2/NDF:839350.8/24

All: 50.457+/-0.008 χ^2/NDF: 1612376.5/44

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 151.537+/-146.110 χ^2/NDF:12.8/5

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 164.479+/-164.006 χ^2/NDF:2.8/3

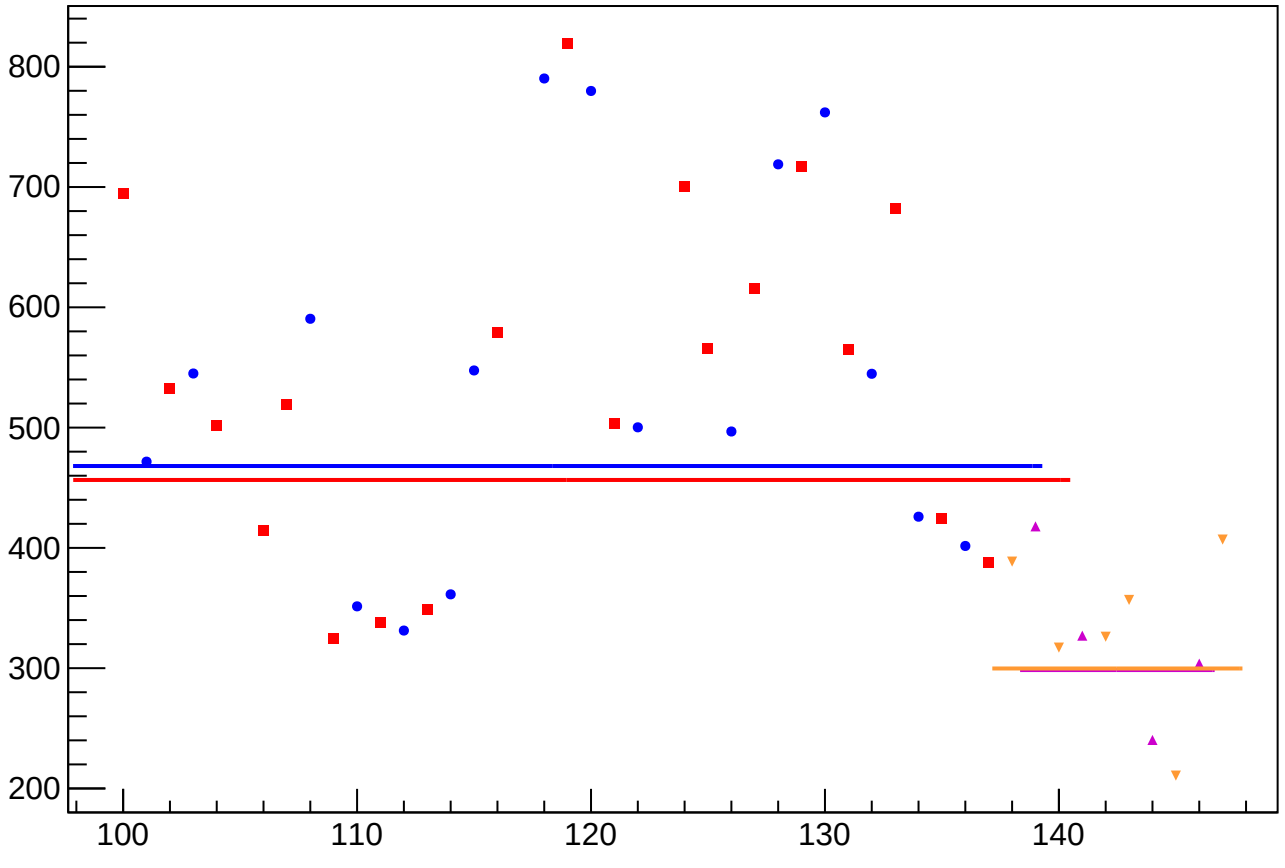
Left: 157.264+/-109.096 χ^2/NDF: 15.6/9

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 200.282+/-121.496 χ^2/NDF:28.5/19

Out: -45.446+/-111.795 χ^2/NDF:33.6/24

All: 67.217+/-82.267 χ^2/NDF: 64.3/44



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 299.747+/-0.103 χ^2/NDF:531776.5/5

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 298.439+/-0.116 χ^2/NDF:251374.3/3

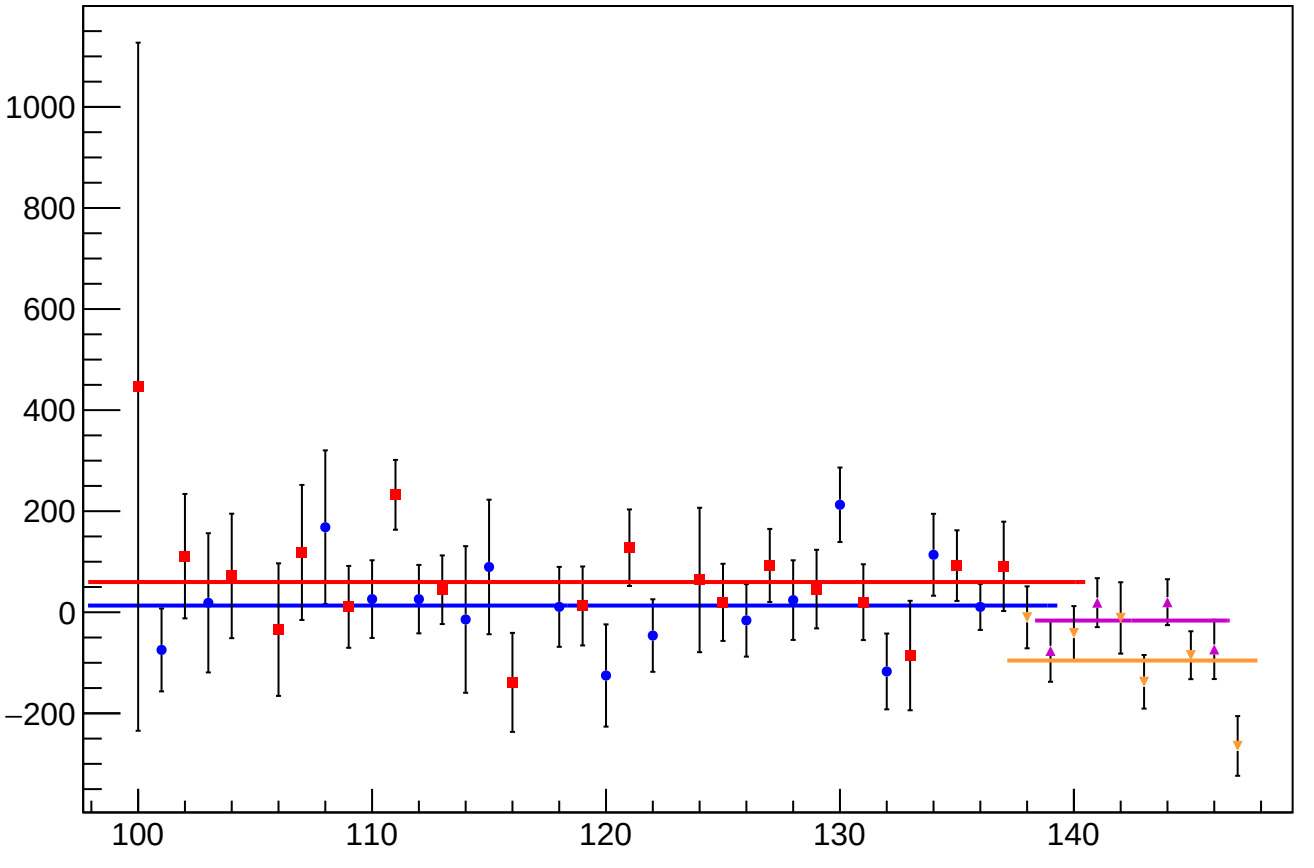
Left: 299.169+/-0.077 χ^2/NDF: 783221.7/9

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 374.977+/-0.086 χ^2/NDF:2199625.9/19

Out: 364.717+/-0.079 χ^2/NDF:2568258.8/24

All: 369.421+/-0.058 χ^2/NDF: 4775607.8/44



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.499+/-22.908 χ^2/NDF:13.3/5

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -16.399+/-26.085 χ^2/NDF:3.1/3

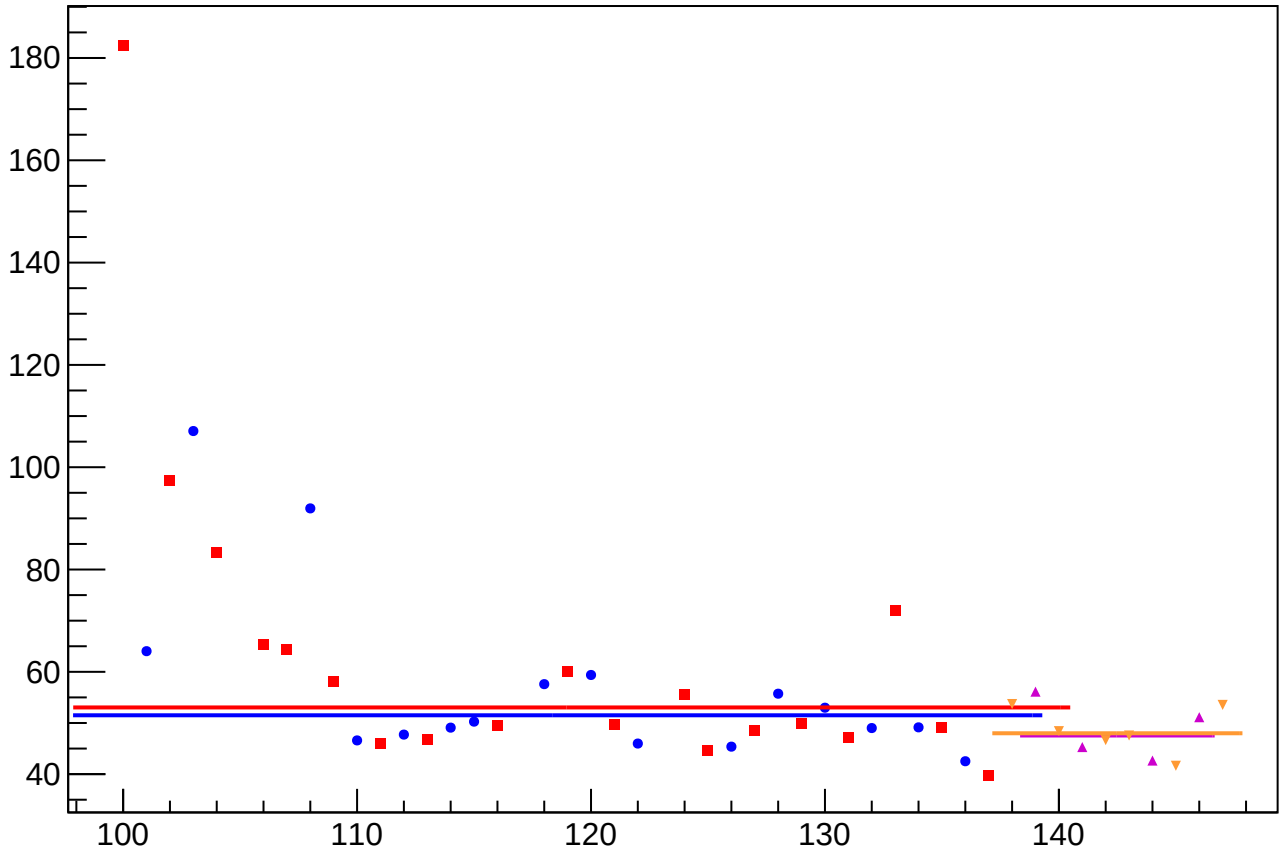
Left: -61.056+/-17.213 χ^2/NDF: 21.6/9

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: 2.388+/-15.796 χ^2/NDF:21.1/19

Out: -8.252+/-15.165 χ^2/NDF:55.2/24

All: -3.149+/-10.940 χ^2/NDF: 76.6/44



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 47.990+/-0.016 χ^2/NDF:71899.3/5

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 47.554+/-0.018 χ^2/NDF:74428.0/3

Left: 47.800+/-0.012 χ^2/NDF: 146643.2/9

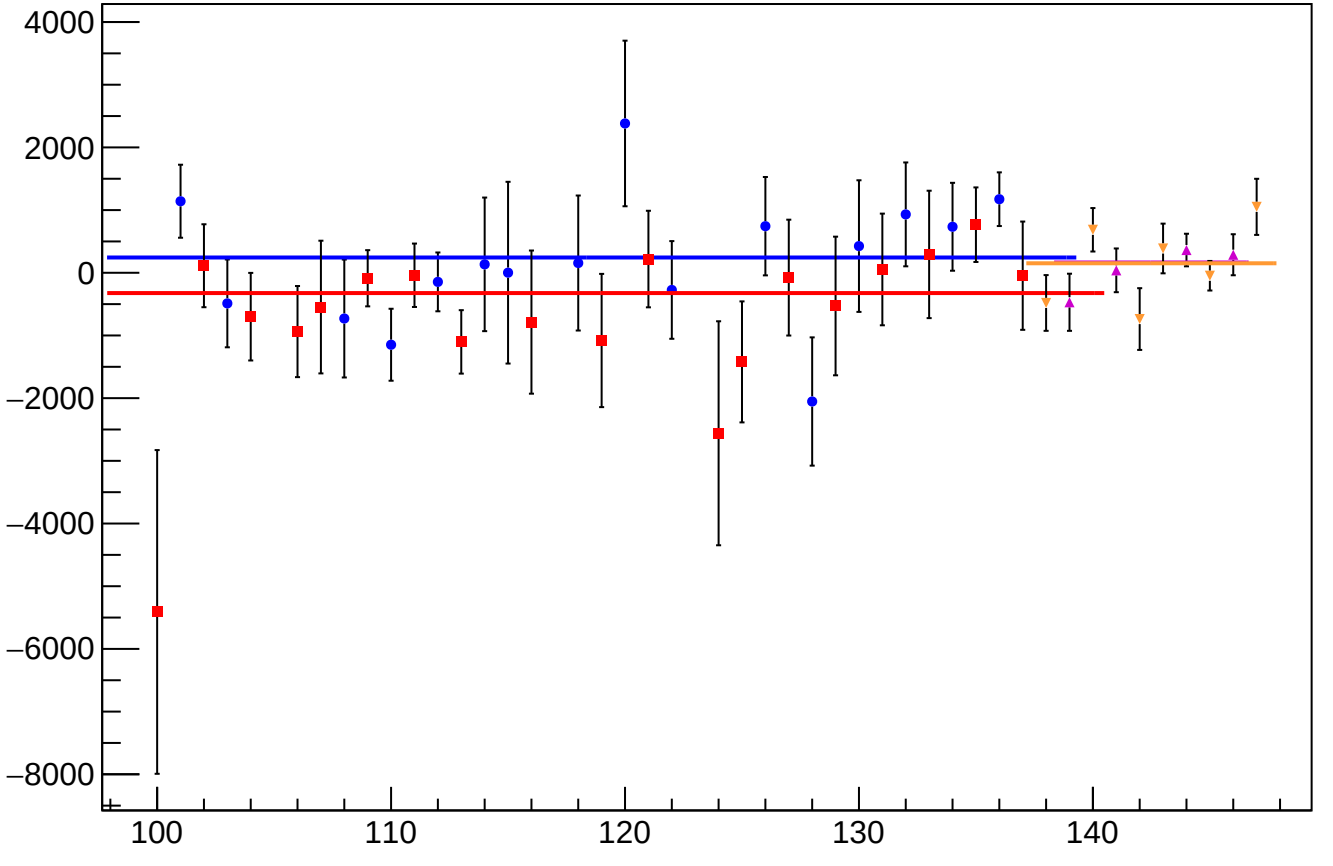
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 50.056+/-0.011 χ^2/NDF:770564.0/19

Out: 50.825+/-0.011 χ^2/NDF:839359.3/24

All: 50.457+/-0.008 χ^2/NDF: 1612390.0/44

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: 151.538+/-146.110 χ^2/NDF:12.8/5

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 164.479+/-164.006 χ^2/NDF:2.8/3

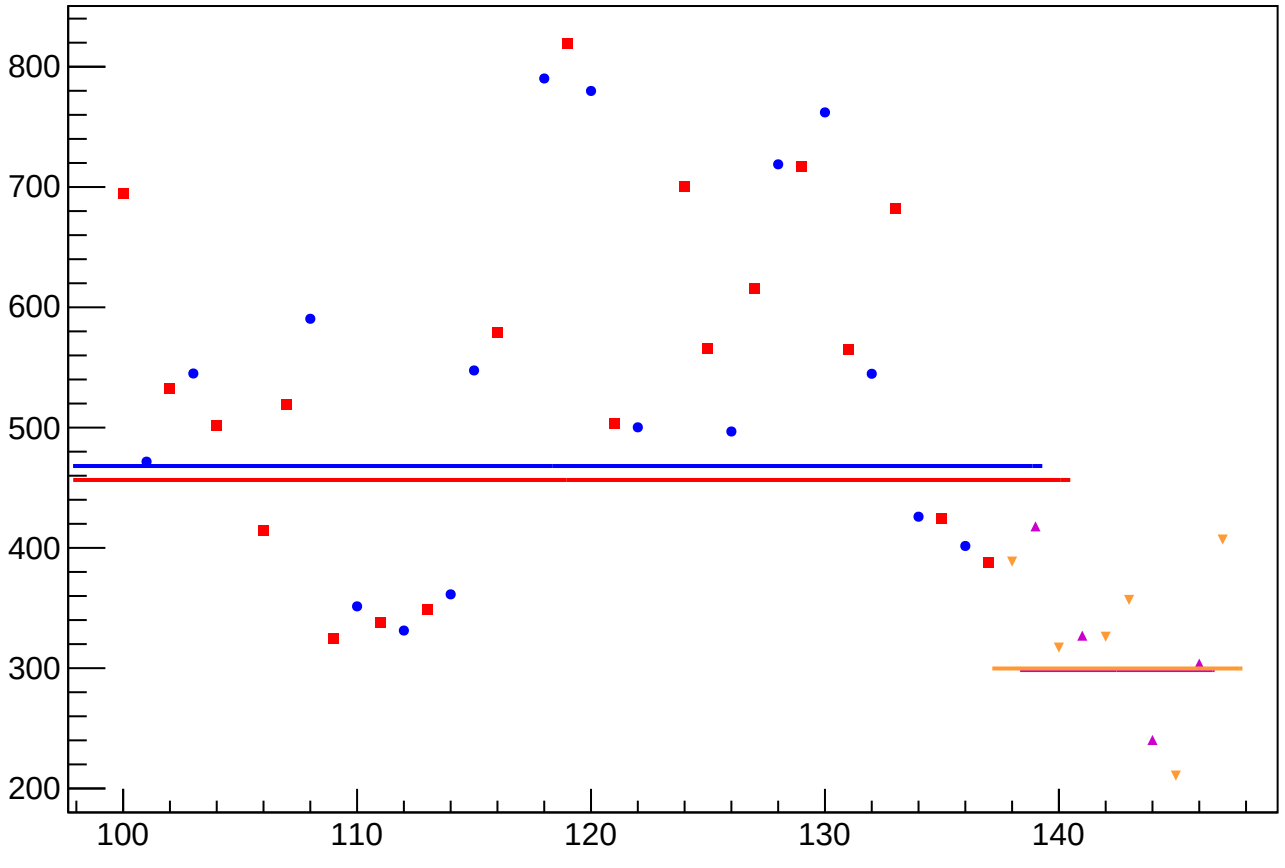
Left: 157.264+/-109.096 χ^2/NDF: 15.6/9

Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 200.282+/-121.496 χ^2/NDF:28.5/19

Out: -45.445+/-111.795 χ^2/NDF:33.6/24

All: 67.217+/-82.267 χ^2/NDF: 64.3/44



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 299.747+/-0.103 χ^2/NDF:531779.8/5

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 298.439+/-0.116 χ^2/NDF:251376.2/3

Left: 299.169+/-0.077 χ^2/NDF: 783226.9/9

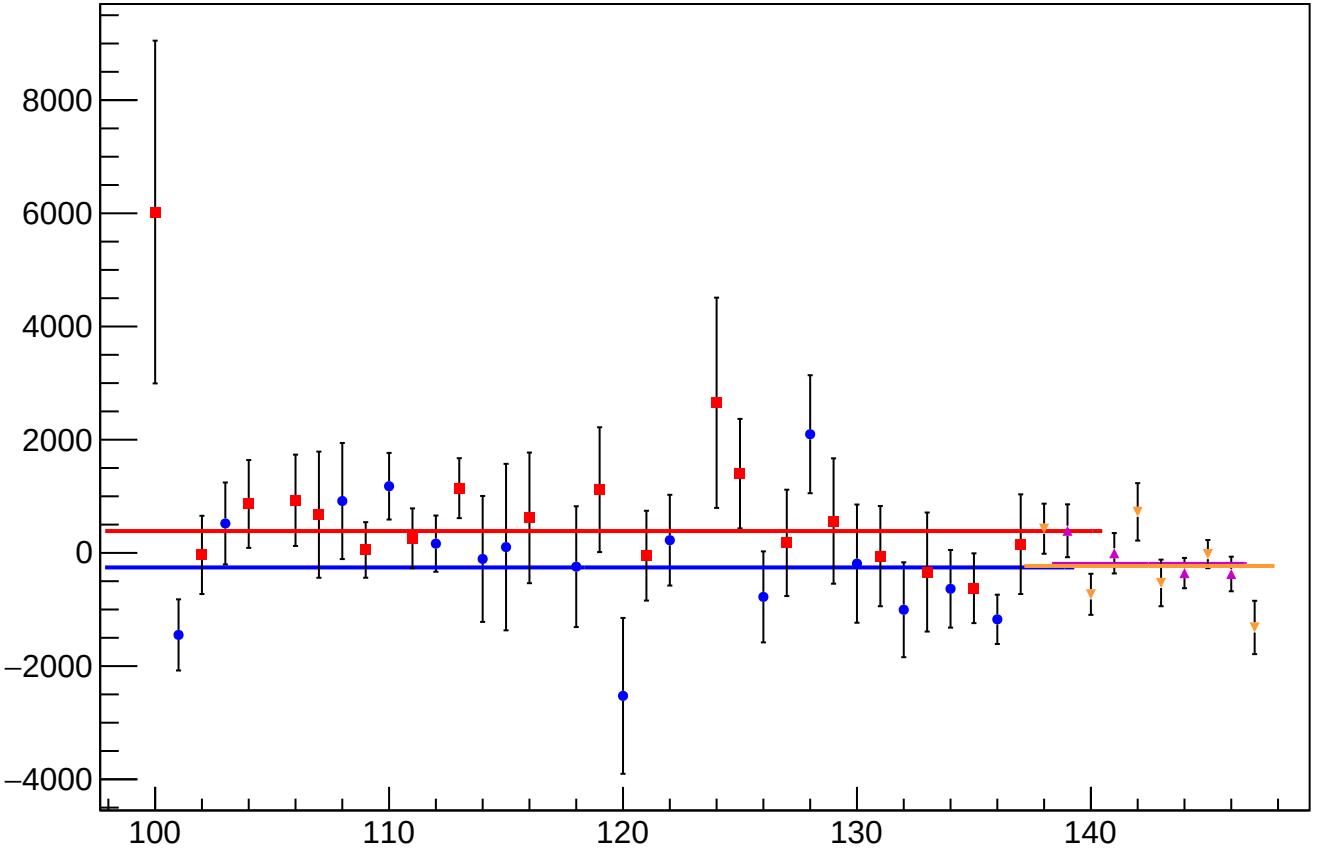
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 374.977+/-0.086 χ^2/NDF:2199618.3/19

Out: 364.717+/-0.079 χ^2/NDF:2568252.6/24

All: 369.421+/-0.058 χ^2/NDF: 4775594.3/44

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -230.779+/-152.200 χ^2/NDF:14.2/5

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -194.473+/-164.213 χ^2/NDF:2.6/3

Left: -214.002+/-111.627 χ^2/NDF: 16.8/9

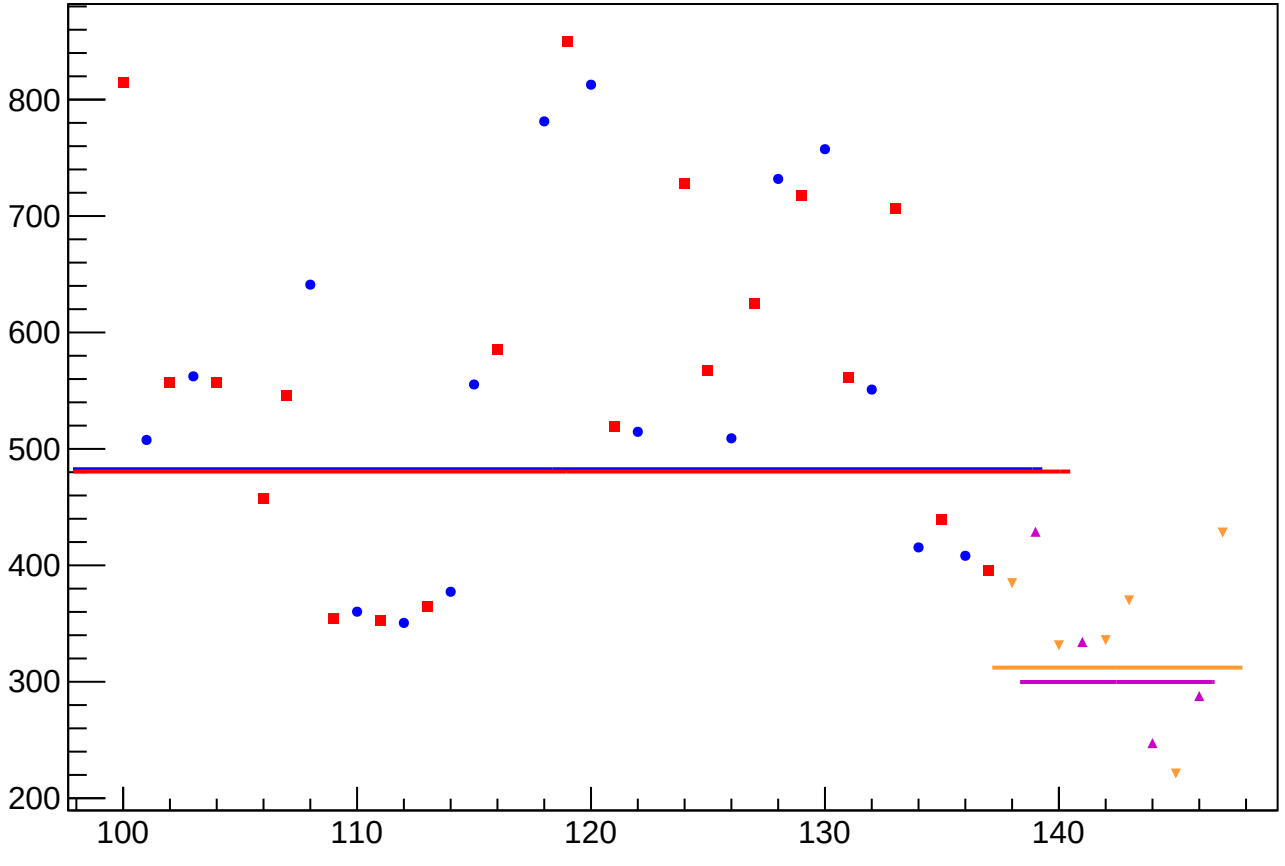
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -221.675+/-123.235 χ^2/NDF:29.5/19

Out: 22.636+/-116.850 χ^2/NDF:35.2/24

All: -93.027+/-84.793 χ^2/NDF: 66.8/44

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 312.169+/-0.108 χ^2/NDF:492016.3/5

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 299.834+/-0.116 χ^2/NDF:251025.8/3

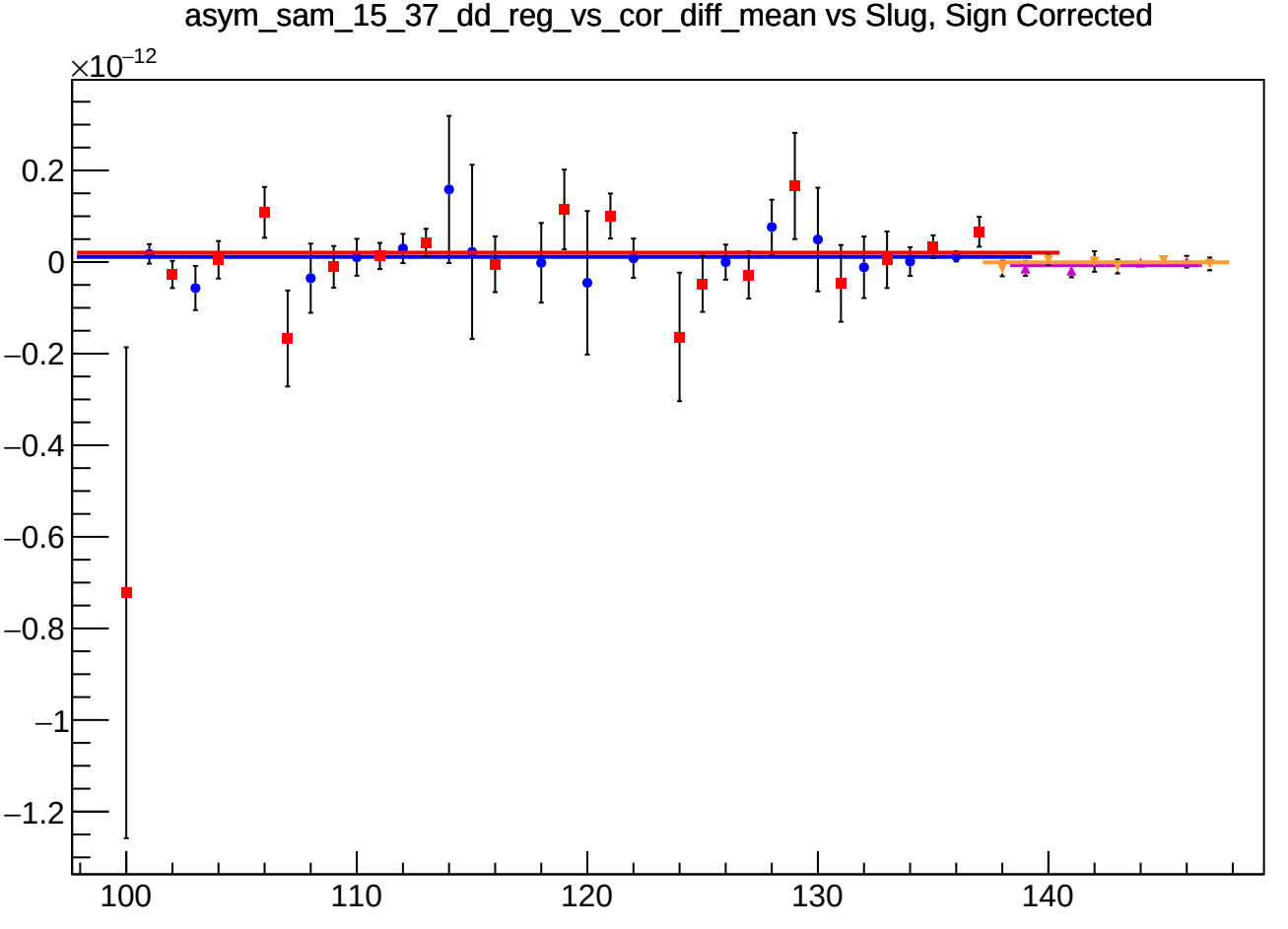
Left: 306.469+/-0.079 χ^2/NDF: 749112.4/9

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 379.629+/-0.087 χ^2/NDF:2278691.7/19

Out: 381.305+/-0.083 χ^2/NDF:2490949.1/24

All: 380.512+/-0.060 χ^2/NDF: 4769835.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/3

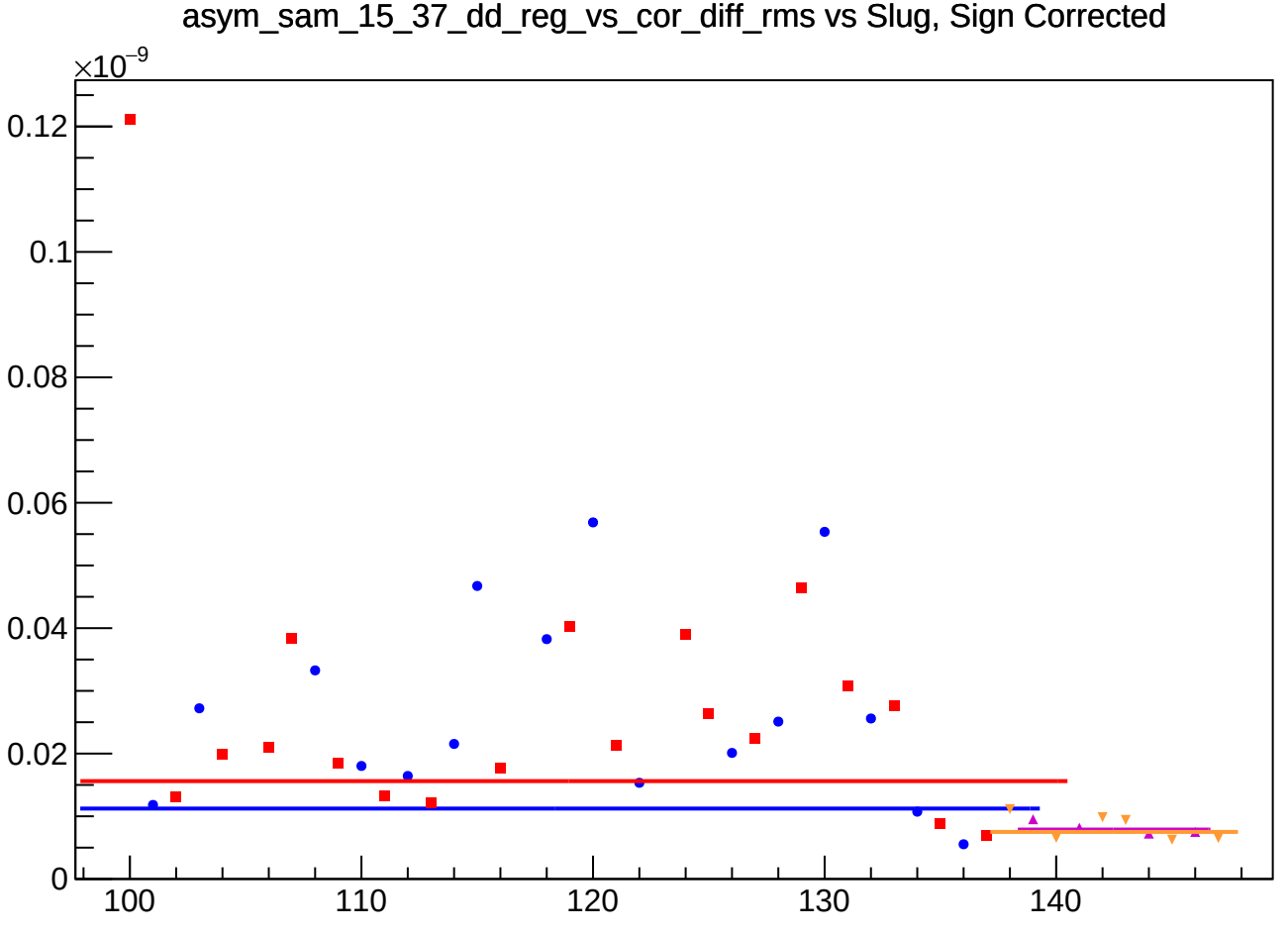
Left: -0.000+/-0.000 χ^2/NDF: 3.5/9

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: 0.000+/-0.000 χ^2/NDF:9.9/19

Out: 0.000+/-0.000 χ^2/NDF:28.6/24

All: 0.000+/-0.000 χ^2/NDF: 38.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:200934.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:31521.7/3

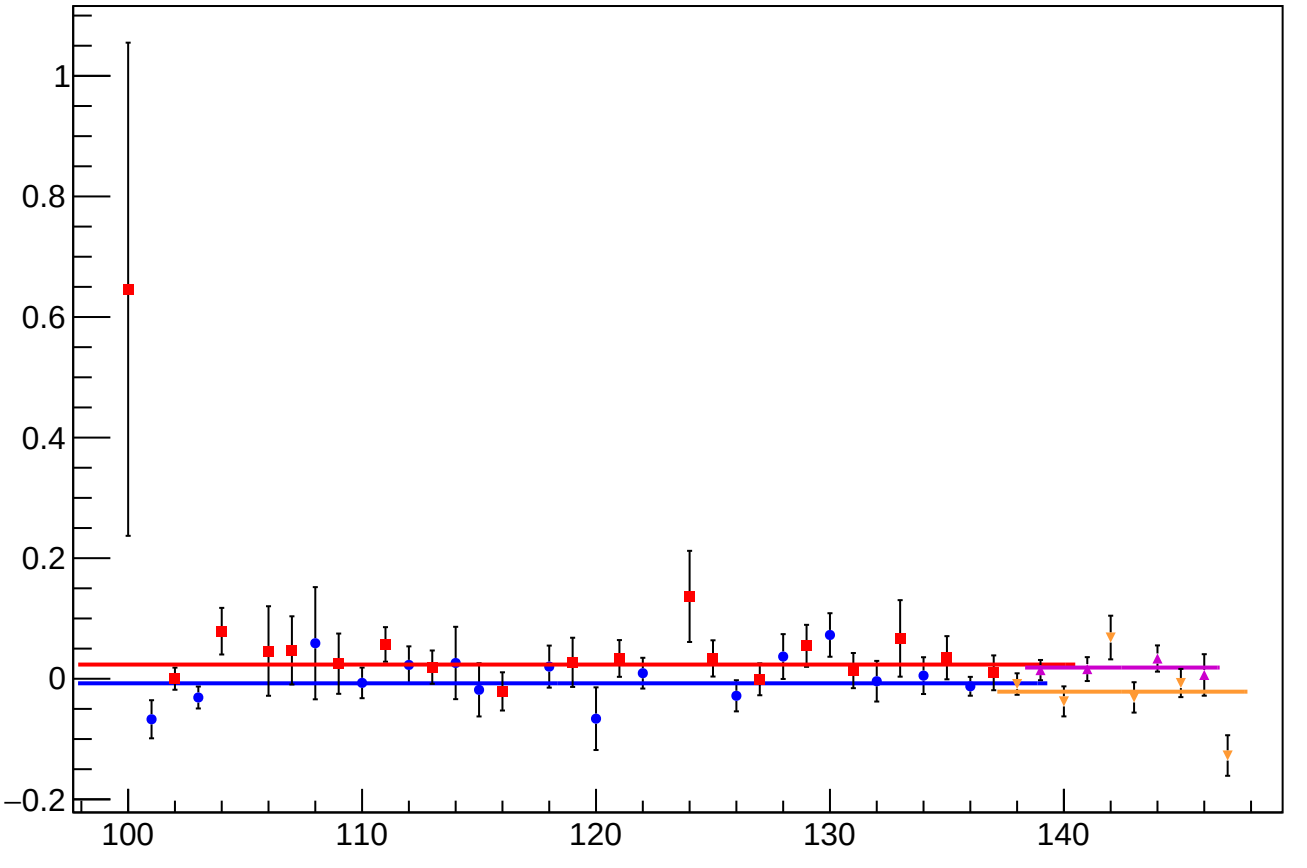
Left: 0.000+/-0.000 χ^2/NDF: 236322.3/9

Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2345876.1/19

Out: 0.000+/-0.000 χ^2/NDF:2355975.6/24

All: 0.000+/-0.000 χ^2/NDF: 4702192.2/44



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.019+/-0.011 χ^2/NDF:0.7/3

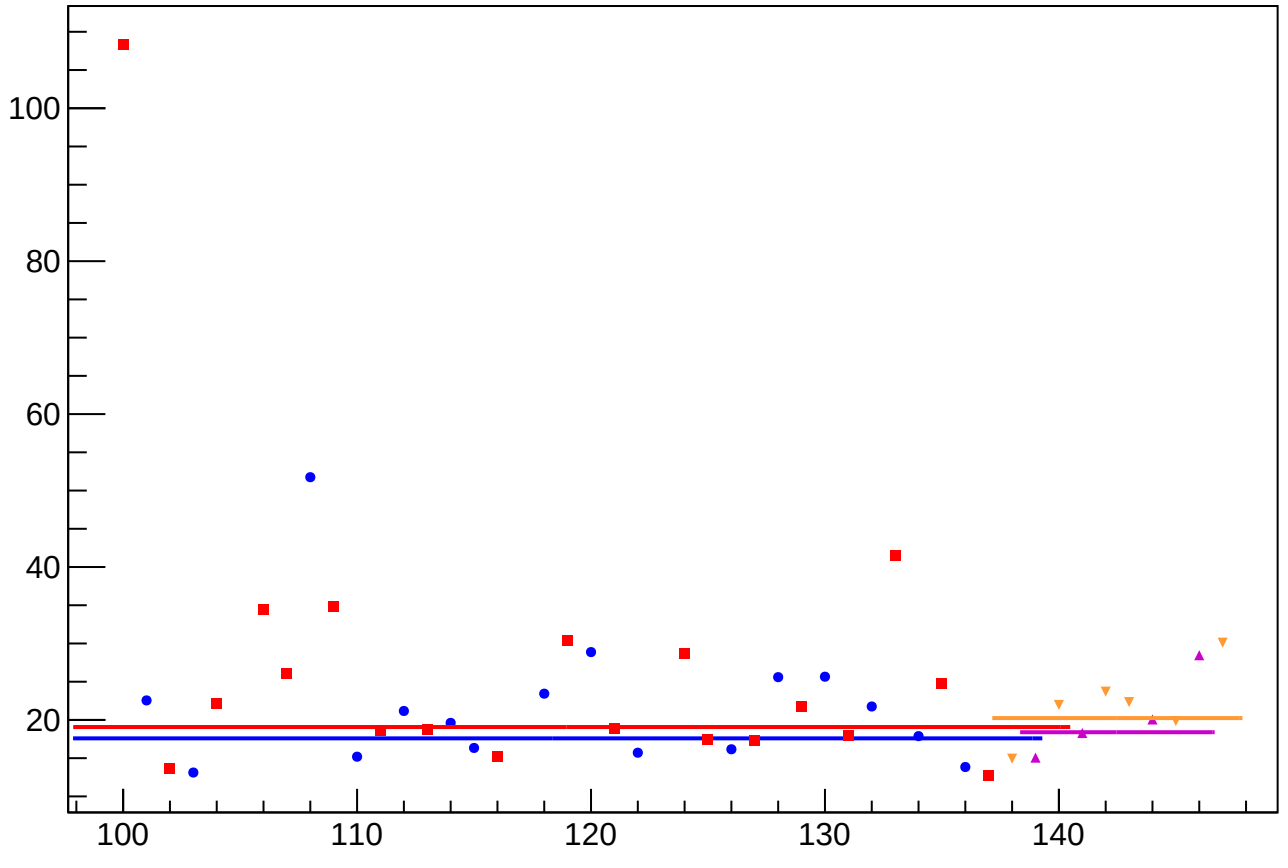
Left: -0.002+/-0.007 χ^2/NDF: 25.7/9

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/19

Out: 0.007+/-0.006 χ^2/NDF:44.6/24

All: 0.004+/-0.004 χ^2/NDF: 66.8/44



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.242+/-0.007 χ^2/NDF:391117.3/5

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 18.394+/-0.007 χ^2/NDF:261257.5/3

Left: 19.356+/-0.005 χ^2/NDF: 684540.9/9

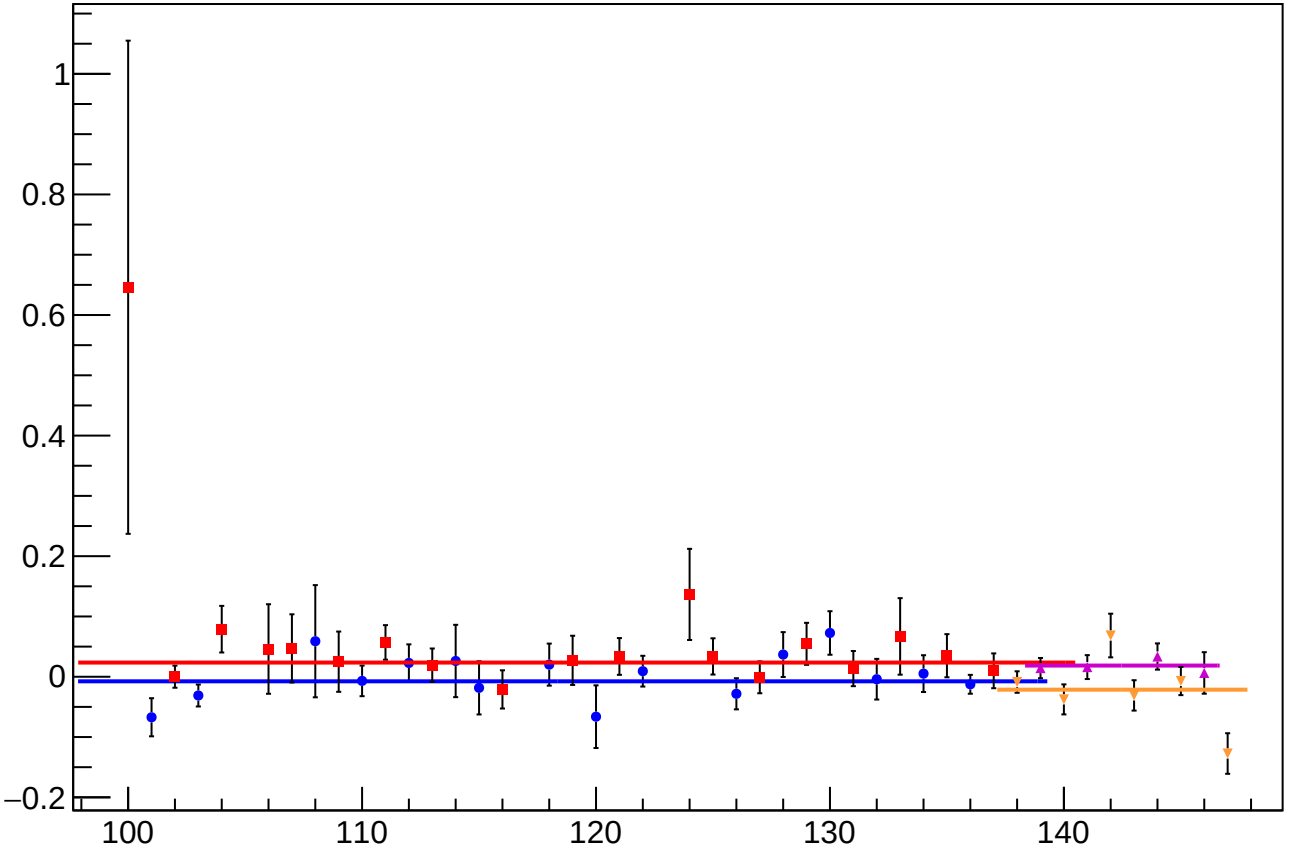
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.848+/-0.004 χ^2/NDF:1262439.8/19

Out: 19.505+/-0.004 χ^2/NDF:1656022.0/24

All: 18.649+/-0.003 χ^2/NDF: 2993726.1/44

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: -0.021+/-0.010 χ^2/NDF:17.5/5

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.019+/-0.011 χ^2/NDF:0.7/3

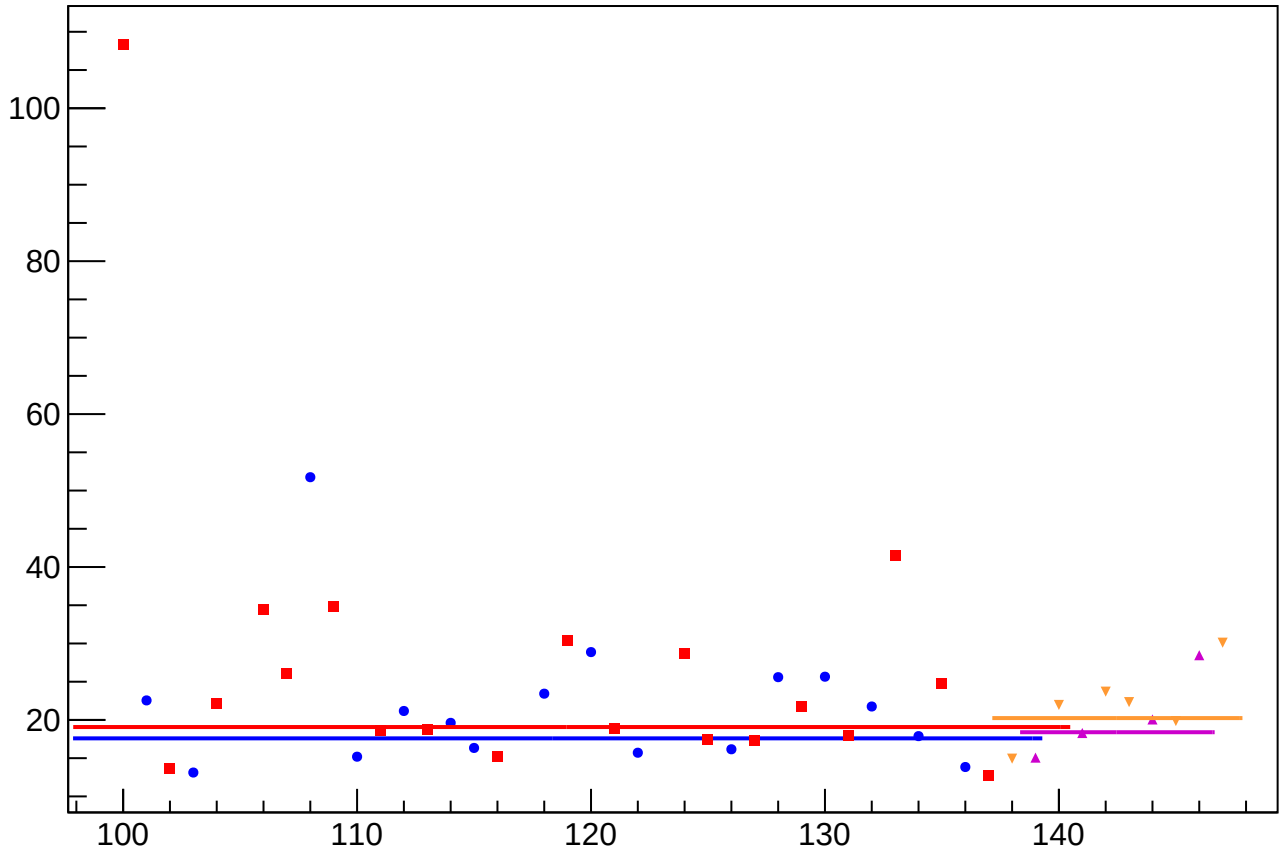
Left: -0.002+/-0.007 χ^2/NDF: 25.7/9

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/19

Out: 0.007+/-0.006 χ^2/NDF:44.6/24

All: 0.004+/-0.004 χ^2/NDF: 66.8/44



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 20.242+/-0.007 χ^2/NDF:391117.3/5

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 18.394+/-0.007 χ^2/NDF:261257.5/3

Left: 19.356+/-0.005 χ^2/NDF: 684540.9/9

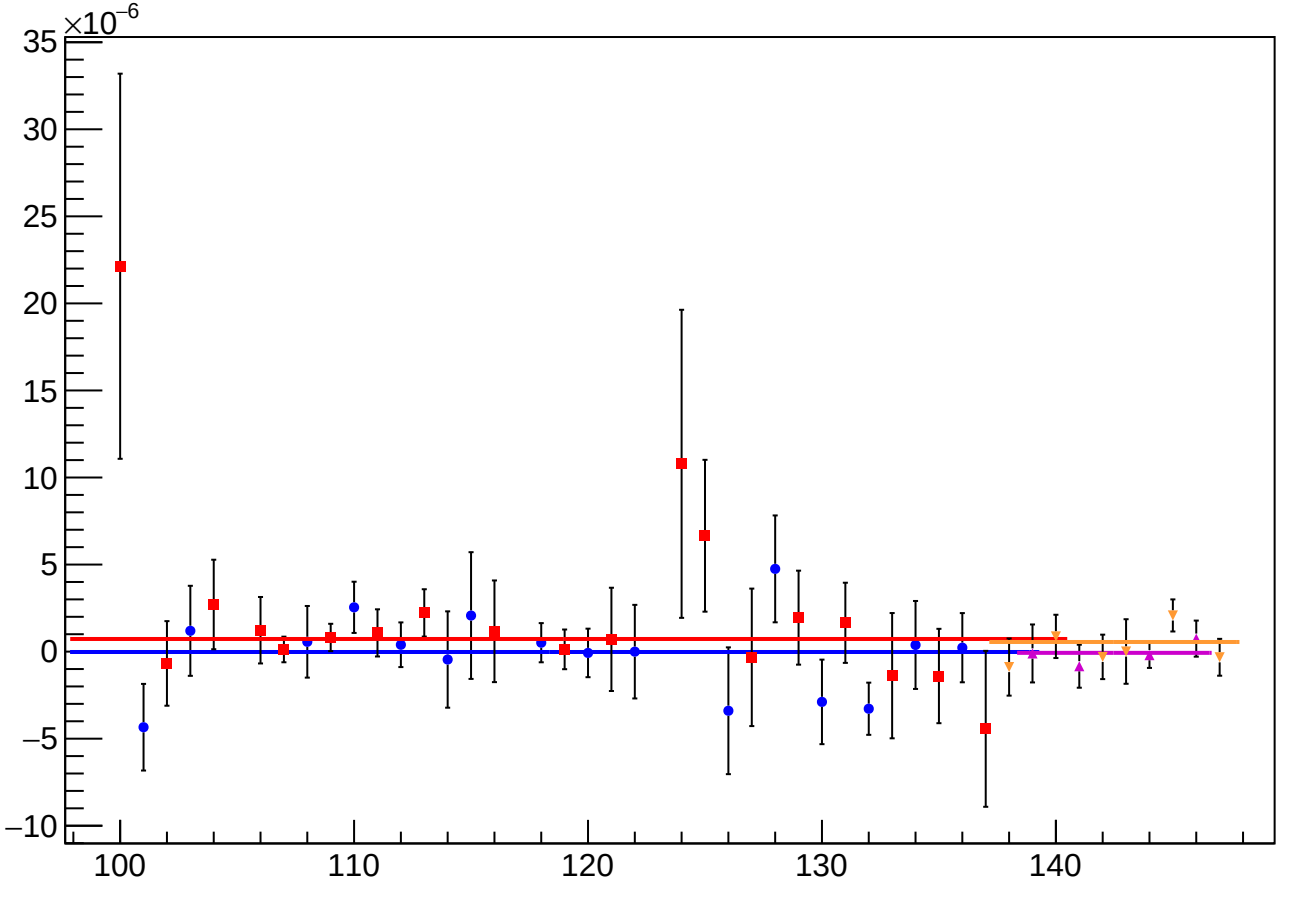
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 17.848+/-0.004 χ^2/NDF:1262439.8/19

Out: 19.505+/-0.004 χ^2/NDF:1656022.0/24

All: 18.649+/-0.003 χ^2/NDF: 2993726.1/44

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:4.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:1.0/3

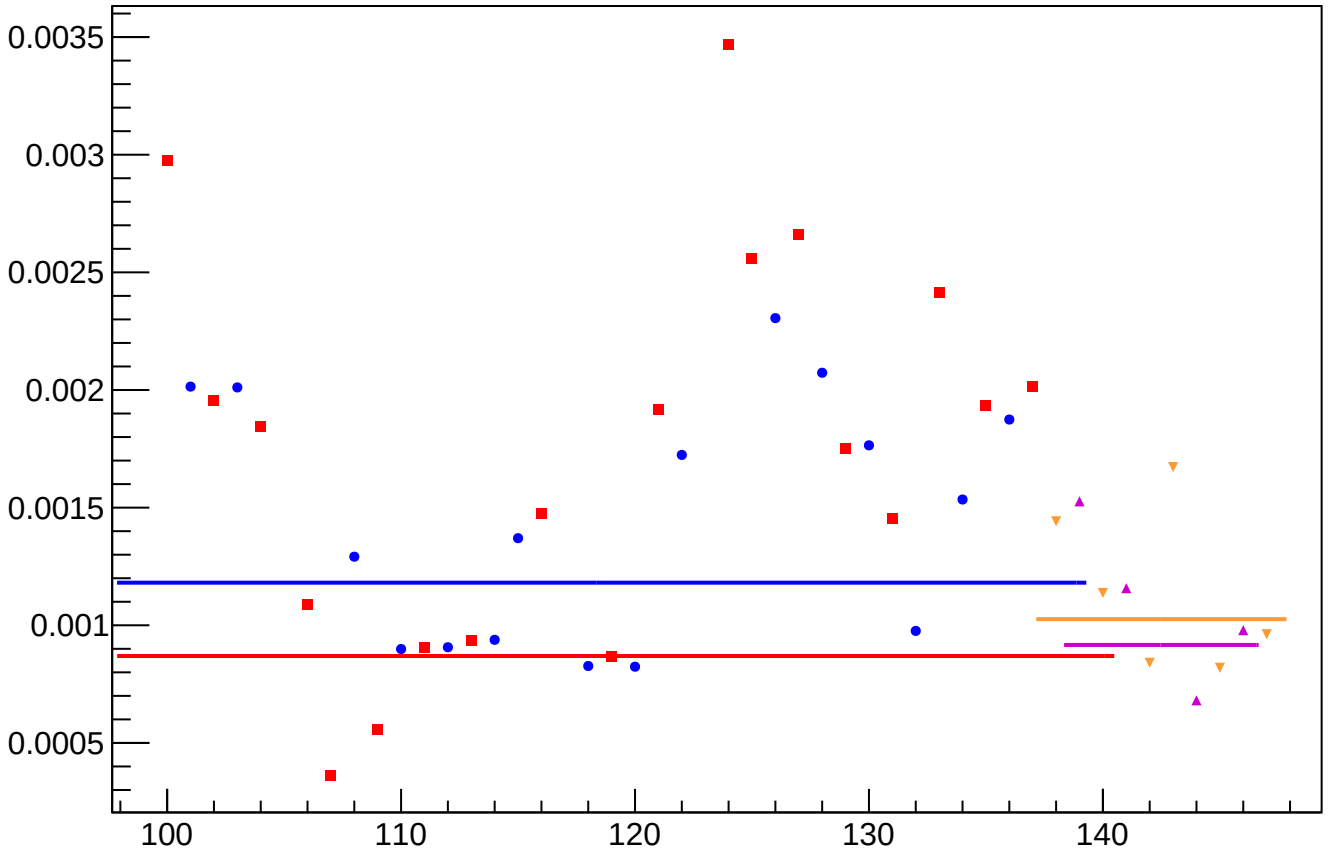
Left: 0.000+/-0.000 χ^2/NDF: 6.6/9

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:17.5/19

Out: 0.000+/-0.000 χ^2/NDF:17.8/24

All: 0.000+/-0.000 χ^2/NDF: 37.6/44



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:537574.3/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:558281.9/3

Left: 0.001+/-0.000 χ^2/NDF: 1142730.0/9

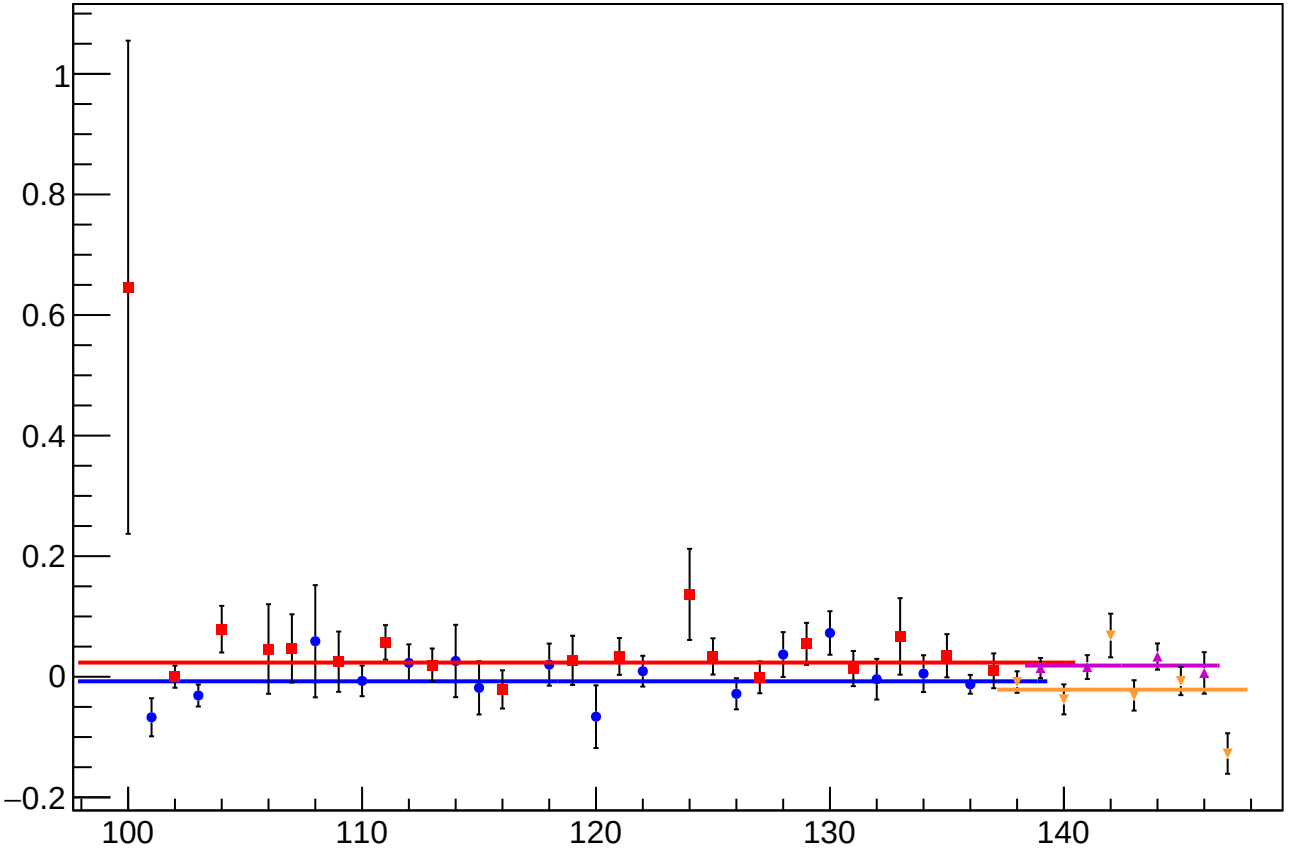
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:2674751.4/19

Out: 0.001+/-0.000 χ^2/NDF:5096955.1/24

All: 0.001+/-0.000 χ^2/NDF: 7936704.5/44

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.021+/-0.010 χ^2/NDF:17.5/5

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.019+/-0.011 χ^2/NDF:0.7/3

Left: -0.002+/-0.007 χ^2/NDF: 25.7/9

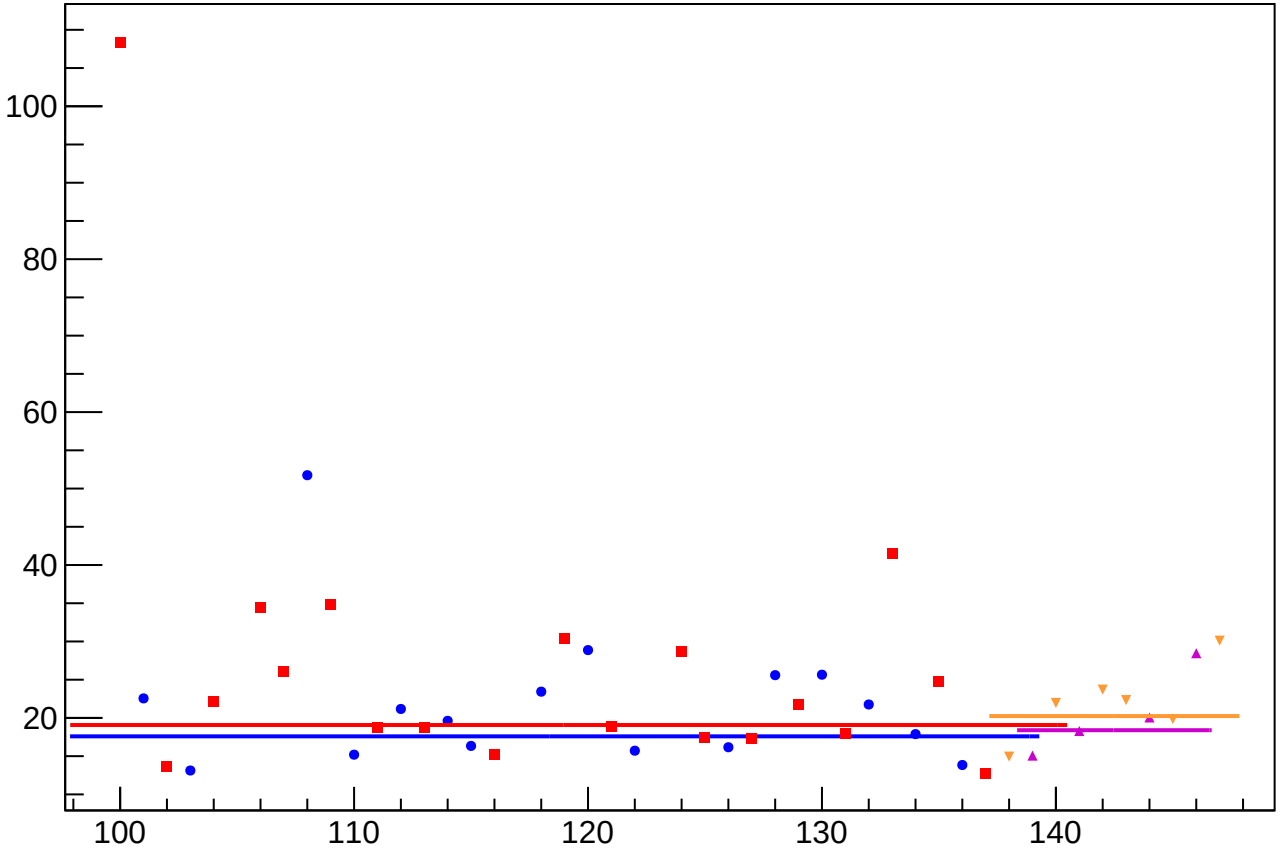
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/19

Out: 0.007+/-0.006 χ^2/NDF:44.6/24

All: 0.004+/-0.004 χ^2/NDF: 66.8/44

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: 20.242+/-0.007 χ^2/NDF:391113.9/5

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 18.394+/-0.007 χ^2/NDF:261245.8/3

Left: 19.356+/-0.005 χ^2/NDF: 684521.3/9

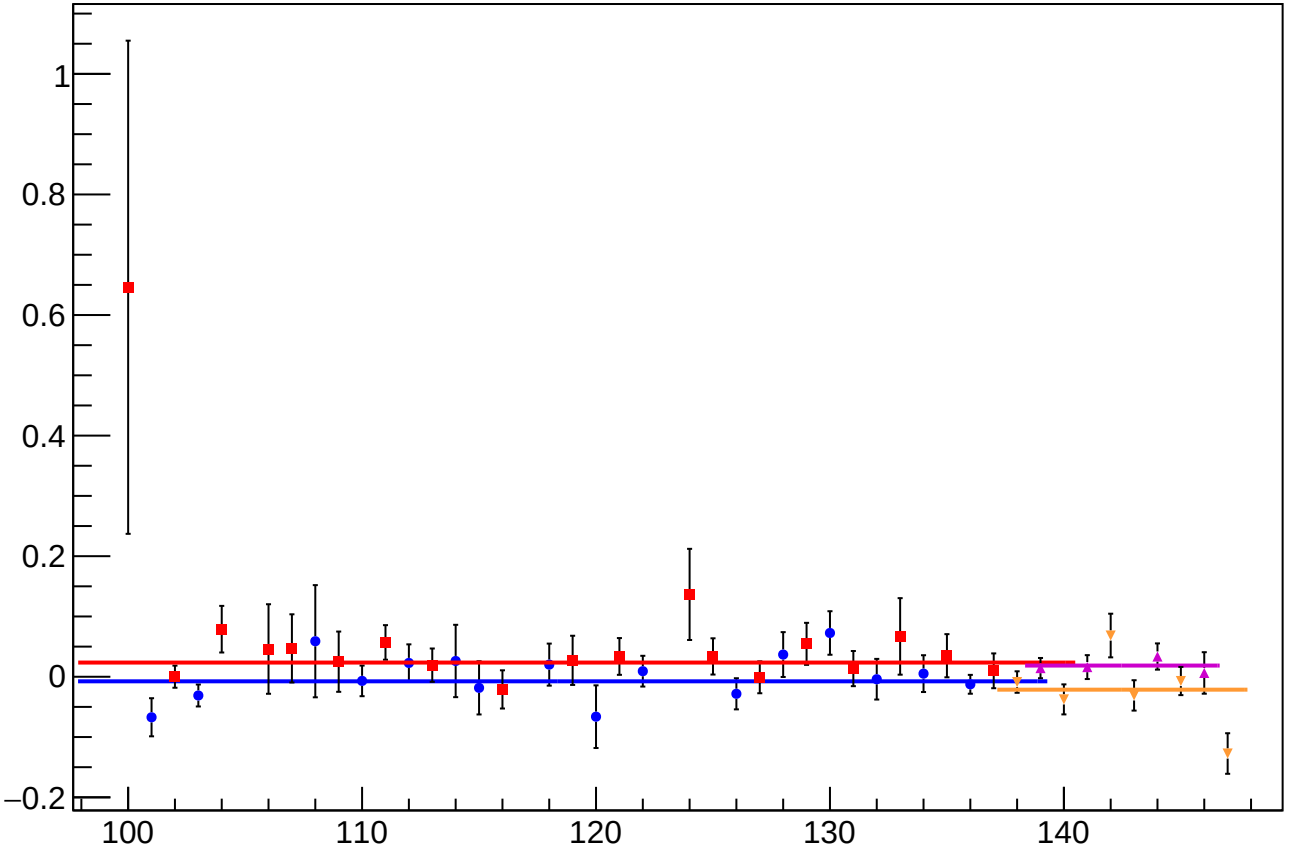
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.848+/-0.004 χ^2/NDF:1262471.0/19

Out: 19.506+/-0.004 χ^2/NDF:1655934.0/24

All: 18.649+/-0.003 χ^2/NDF: 2993682.8/44

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: -0.021+/-0.010 χ^2/NDF:17.5/5

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.019+/-0.011 χ^2/NDF:0.7/3

Left: -0.002+/-0.007 χ^2/NDF: 25.7/9

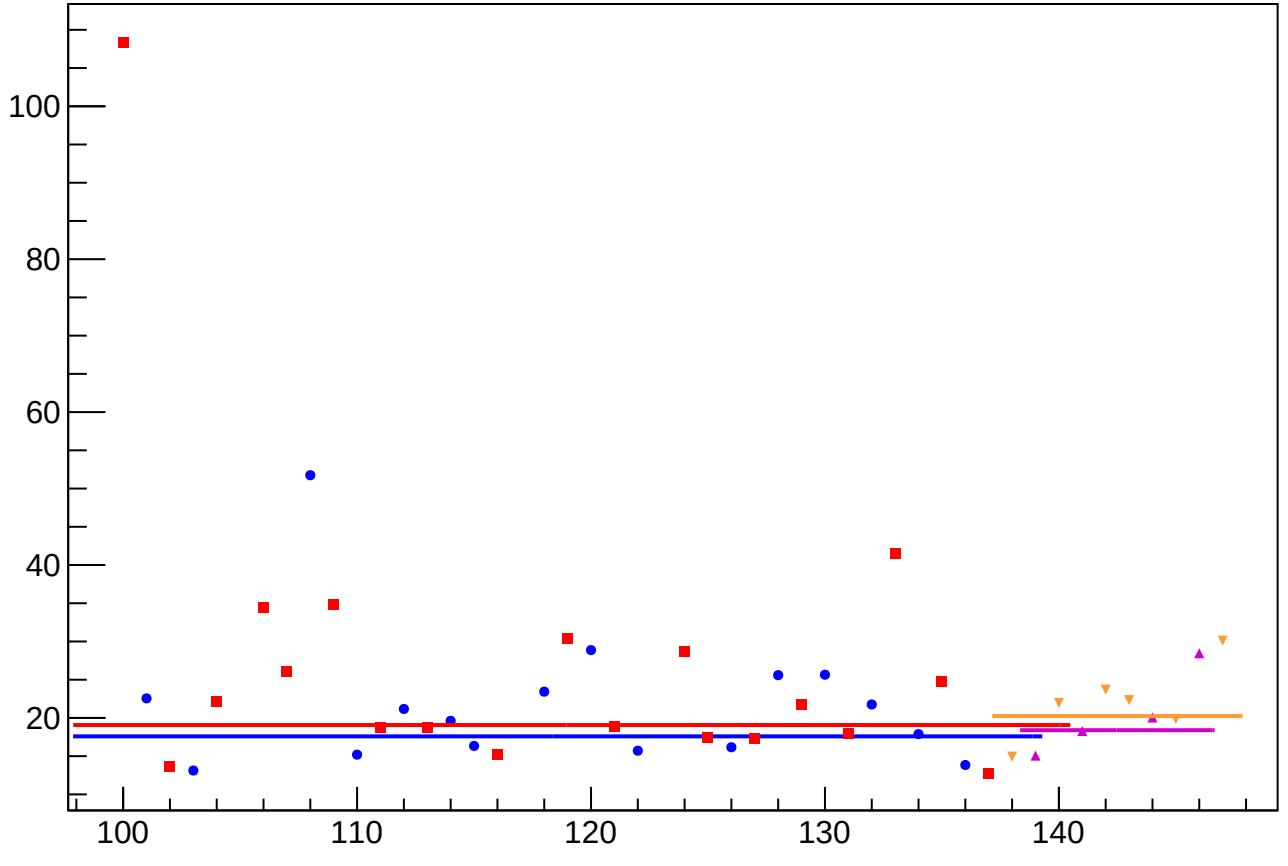
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.001+/-0.006 χ^2/NDF:21.6/19

Out: 0.007+/-0.006 χ^2/NDF:44.6/24

All: 0.004+/-0.004 χ^2/NDF: 66.8/44

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: 20.242+/-0.007 χ^2/NDF:391113.9/5

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 18.394+/-0.007 χ^2/NDF:261245.8/3

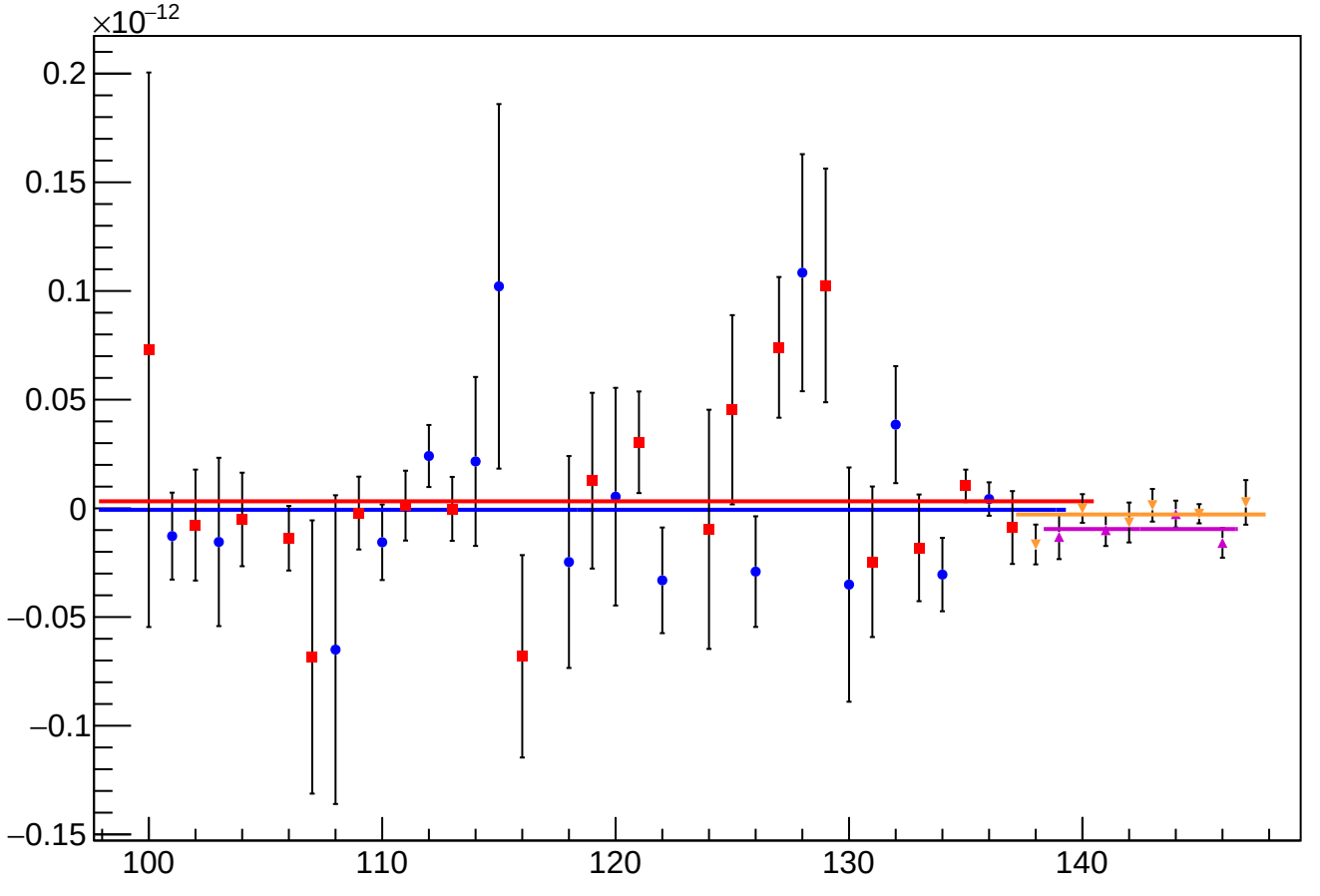
Left: 19.356+/-0.005 χ^2/NDF: 684521.3/9

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 17.848+/-0.004 χ^2/NDF:1262471.0/19

Out: 19.506+/-0.004 χ^2/NDF:1655934.0/24

All: 18.649+/-0.003 χ^2/NDF: 2993682.8/44



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/3

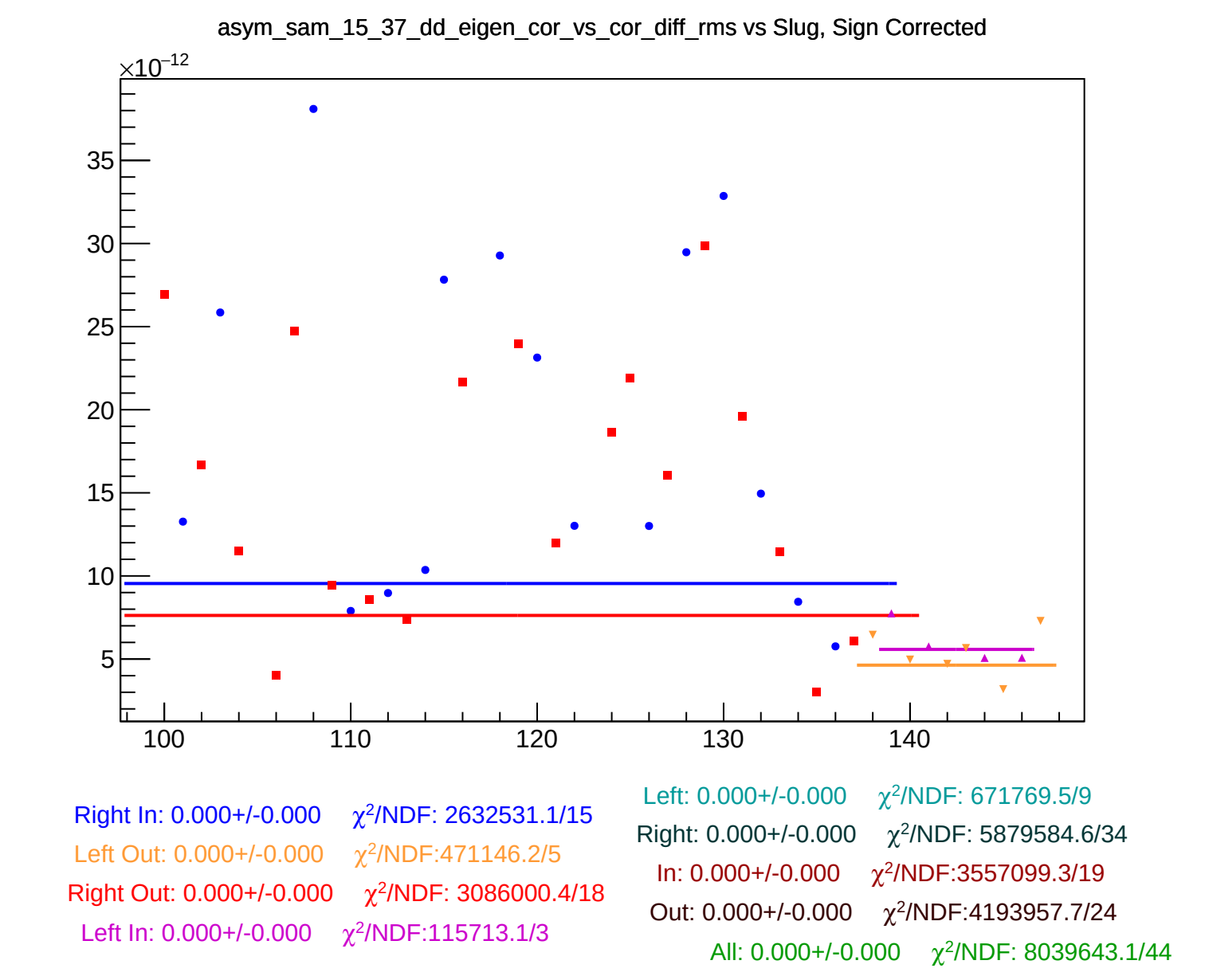
Left: -0.000+/-0.000 χ^2/NDF: 7.6/9

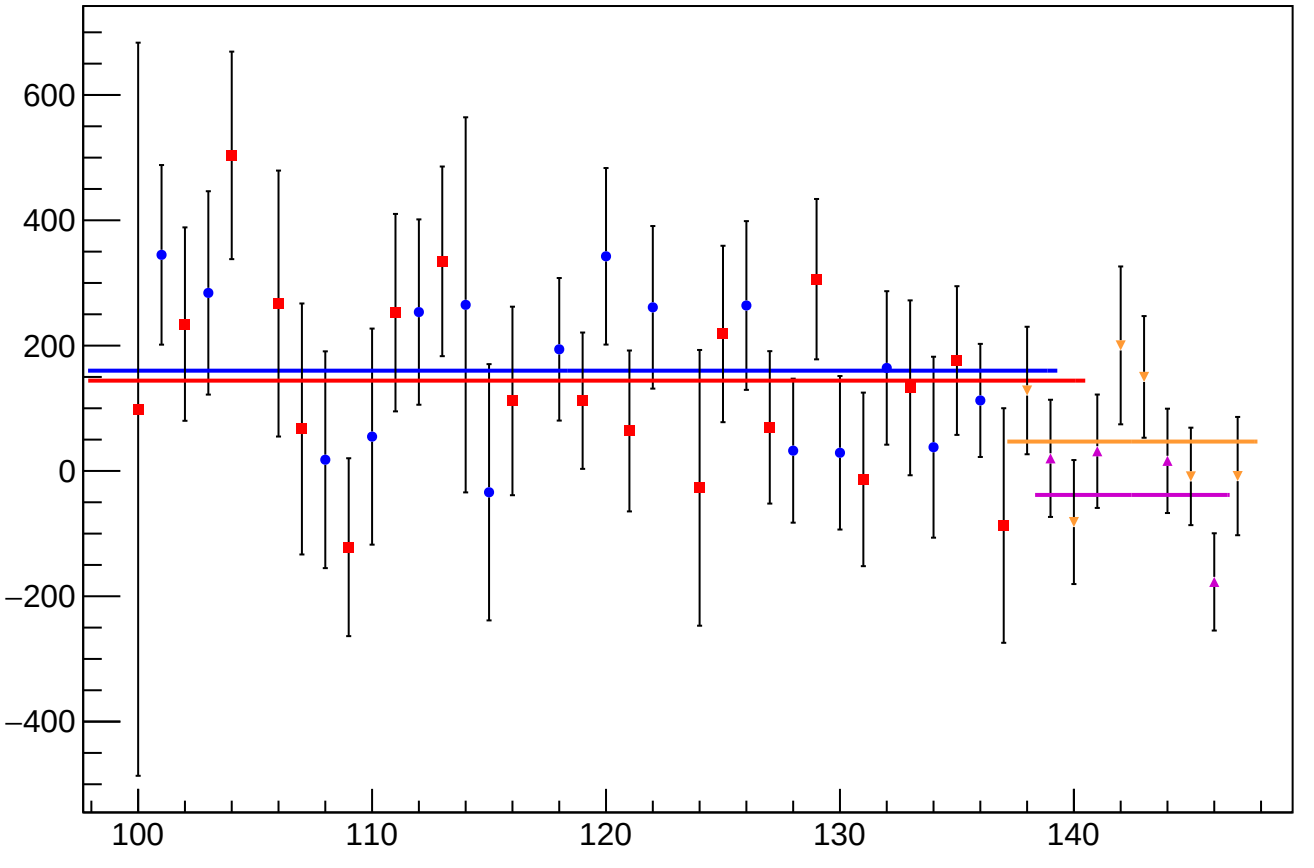
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:24.5/19

Out: -0.000+/-0.000 χ^2/NDF:23.7/24

All: -0.000+/-0.000 χ^2/NDF: 50.3/44


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:471146.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:115713.1/3
Left: 0.000+/-0.000 χ²/NDF: 671769.5/9
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:3557099.3/19
Out: 0.000+/-0.000 χ²/NDF:4193957.7/24
All: 0.000+/-0.000 χ²/NDF: 8039643.1/44



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 46.884+/-39.361 χ^2/NDF:5.8/5

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -38.276+/-42.770 χ^2/NDF:4.6/3

Left: 7.833+/-28.963 χ^2/NDF: 12.5/9

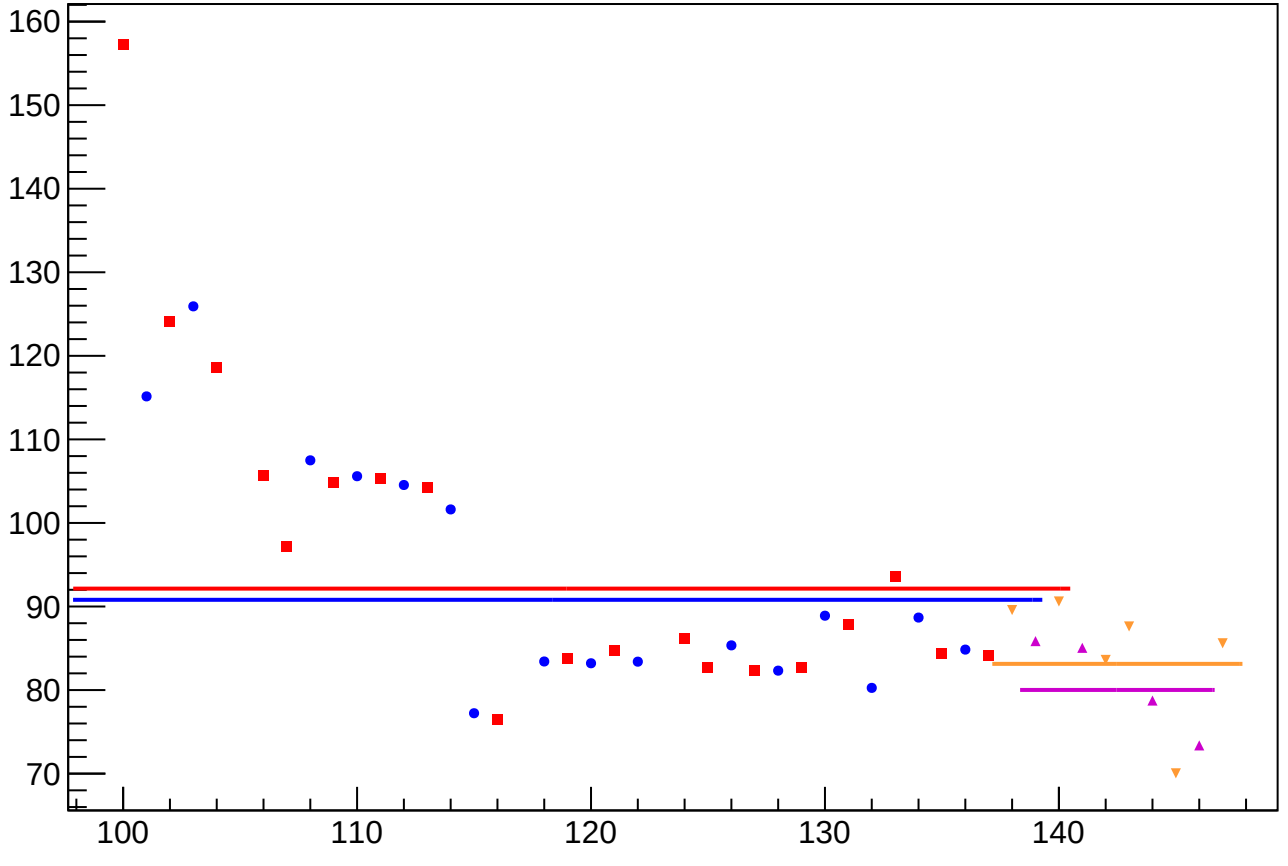
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 82.766+/-26.696 χ^2/NDF:28.8/19

Out: 102.270+/-25.822 χ^2/NDF:26.7/24

All: 92.842+/-18.560 χ^2/NDF: 55.7/44

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: 83.135+/-0.028 χ^2/NDF:81806.7/5

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

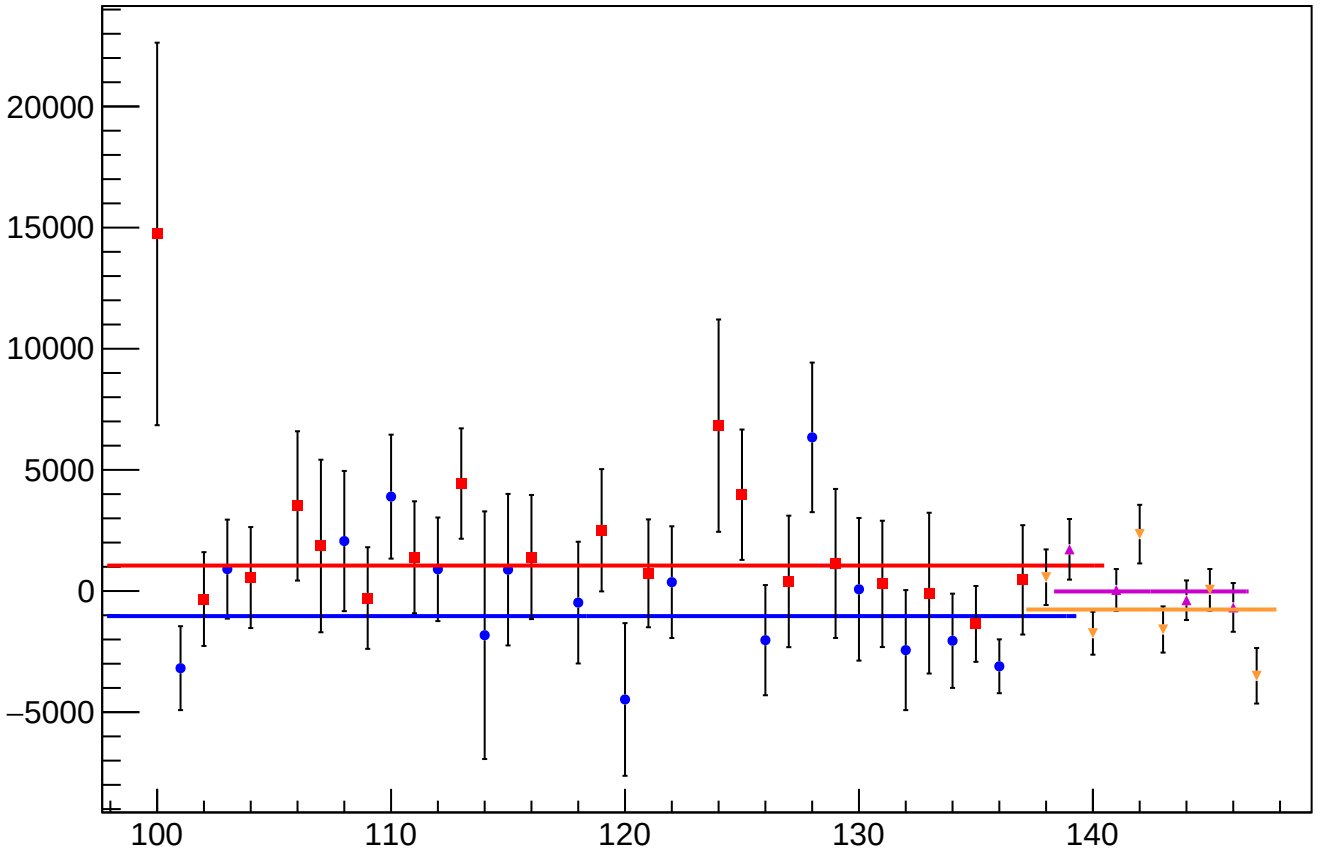
Left: 81.705+/-0.020 χ^2/NDF: 116677.3/9

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 86.599+/-0.019 χ^2/NDF:379513.4/19

Out: 88.265+/-0.018 χ^2/NDF:443480.6/24

All: 87.460+/-0.013 χ^2/NDF: 827017.9/44



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -763.177+/-410.548 χ^2/NDF:16.5/5

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: -17.307+/-472.912 χ^2/NDF:2.6/3

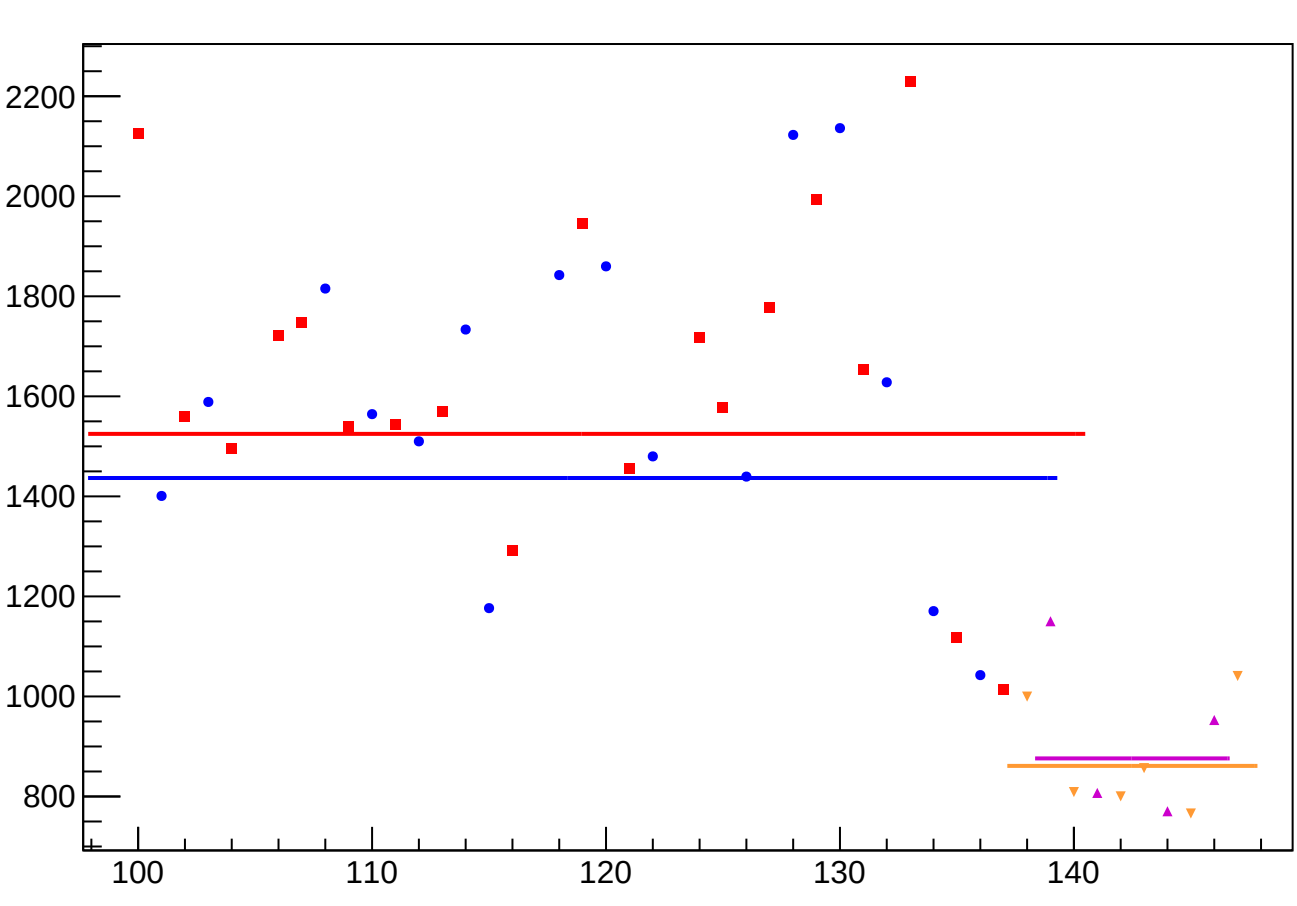
Left: -442.632+/-310.023 χ^2/NDF: 20.5/9

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -449.719+/-358.641 χ^2/NDF:24.8/19

Out: -141.796+/-332.920 χ^2/NDF:36.1/24

All: -284.321+/-243.997 χ^2/NDF: 61.3/44



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 861.152+/-0.290 χ^2/NDF:114988.7/5

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 876.129+/-0.334 χ^2/NDF:154040.6/3

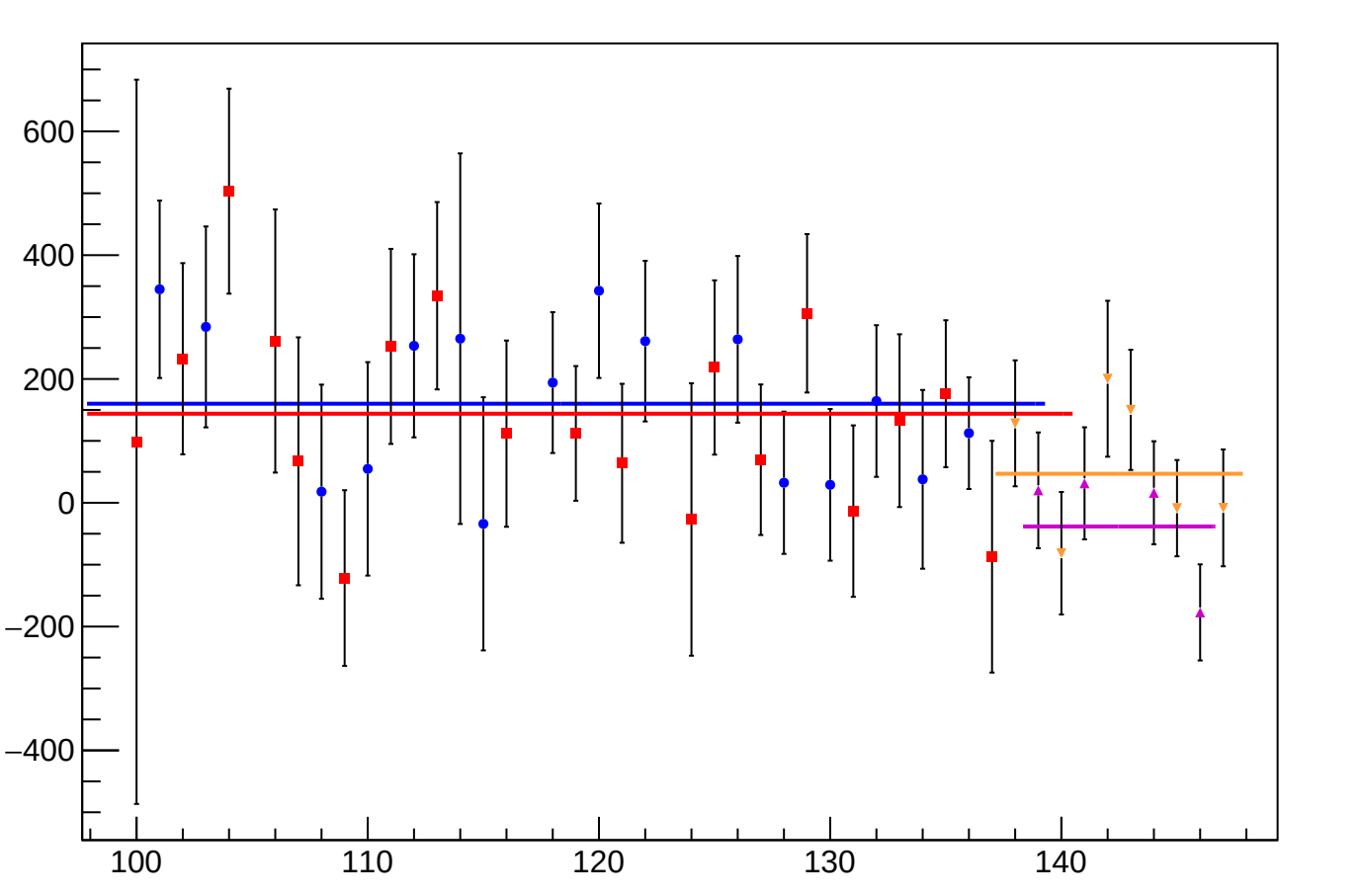
Left: 867.588+/-0.219 χ^2/NDF: 270173.1/9

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

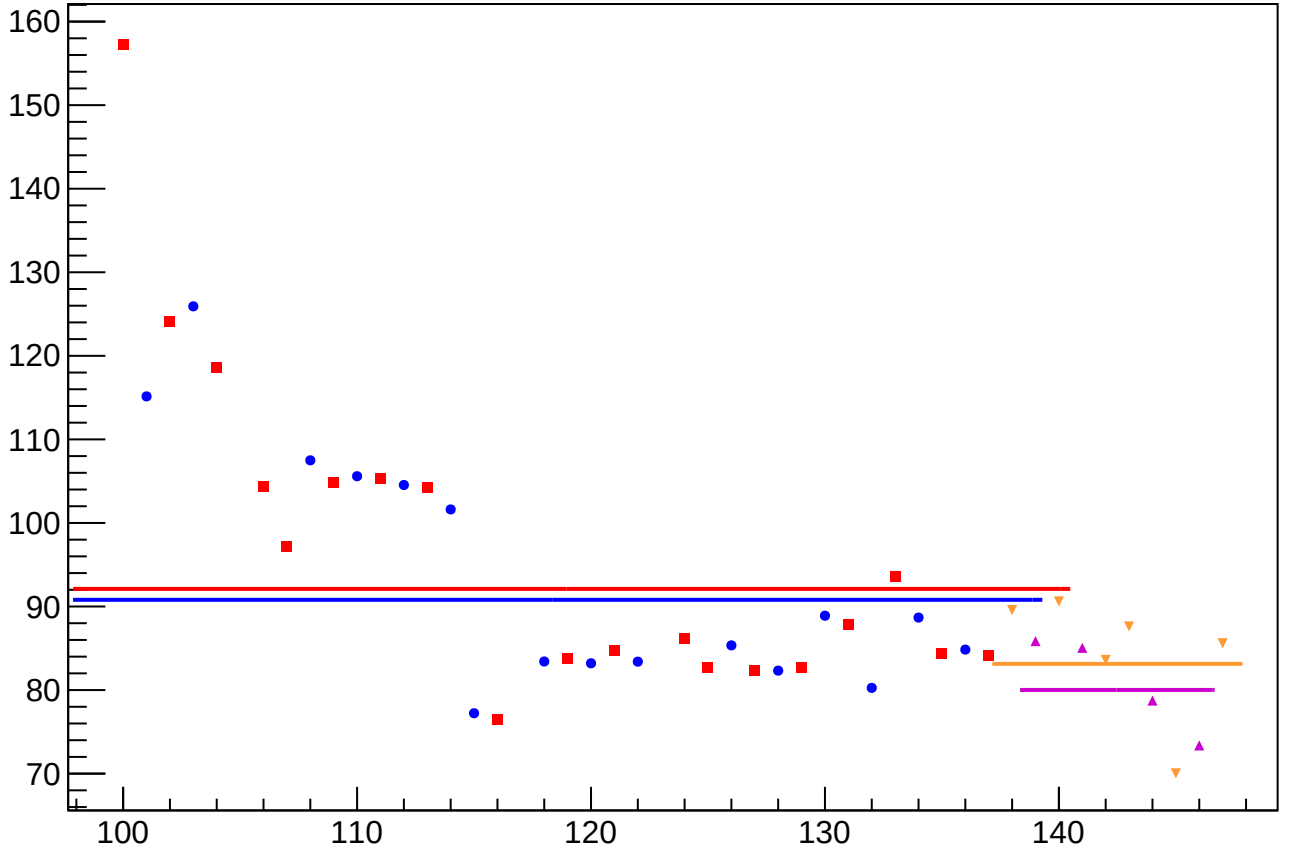
In: 1114.319+/-0.254 χ^2/NDF:2023840.2/19

Out: 1088.449+/-0.235 χ^2/NDF:2409891.4/24

All: 1100.423+/-0.173 χ^2/NDF: 4439321.4/44


cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: 46.886+/-39.361 χ²/NDF:5.8/5
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -38.270+/-42.770 χ²/NDF:4.6/3
Left: 7.836+/-28.963 χ²/NDF: 12.5/9
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 82.765+/-26.696 χ²/NDF:28.8/19
Out: 102.122+/-25.823 χ²/NDF:26.6/24
All: 92.766+/-18.561 χ²/NDF: 55.7/44

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 83.135+/-0.028 χ^2/NDF:81806.7/5

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

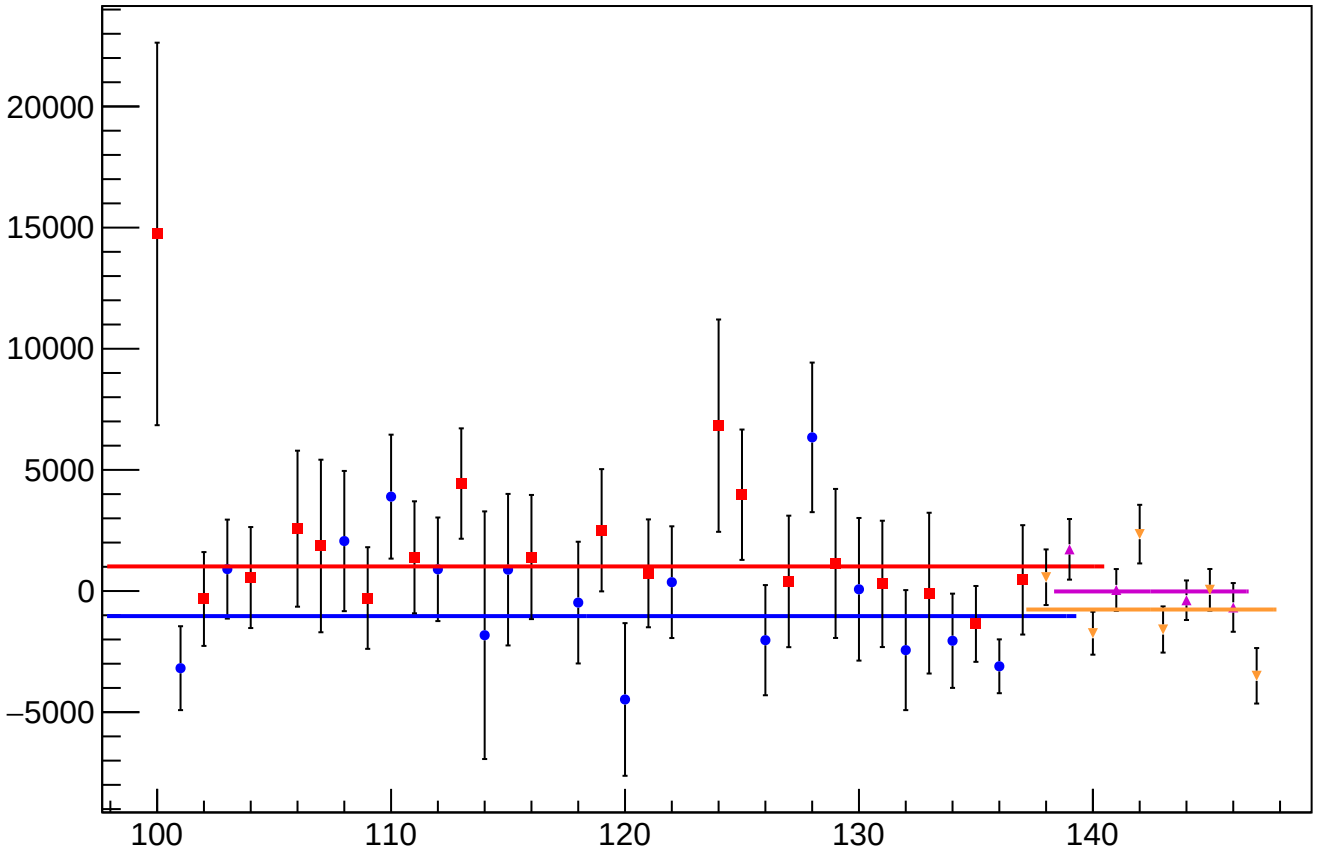
Left: 81.705+/-0.020 χ^2/NDF: 116677.3/9

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.599+/-0.019 χ^2/NDF:379515.3/19

Out: 88.246+/-0.018 χ^2/NDF:441775.8/24

All: 87.450+/-0.013 χ^2/NDF: 825222.9/44



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -763.170+/-410.548 χ^2/NDF:16.5/5

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -17.291+/-472.912 χ^2/NDF:2.6/3

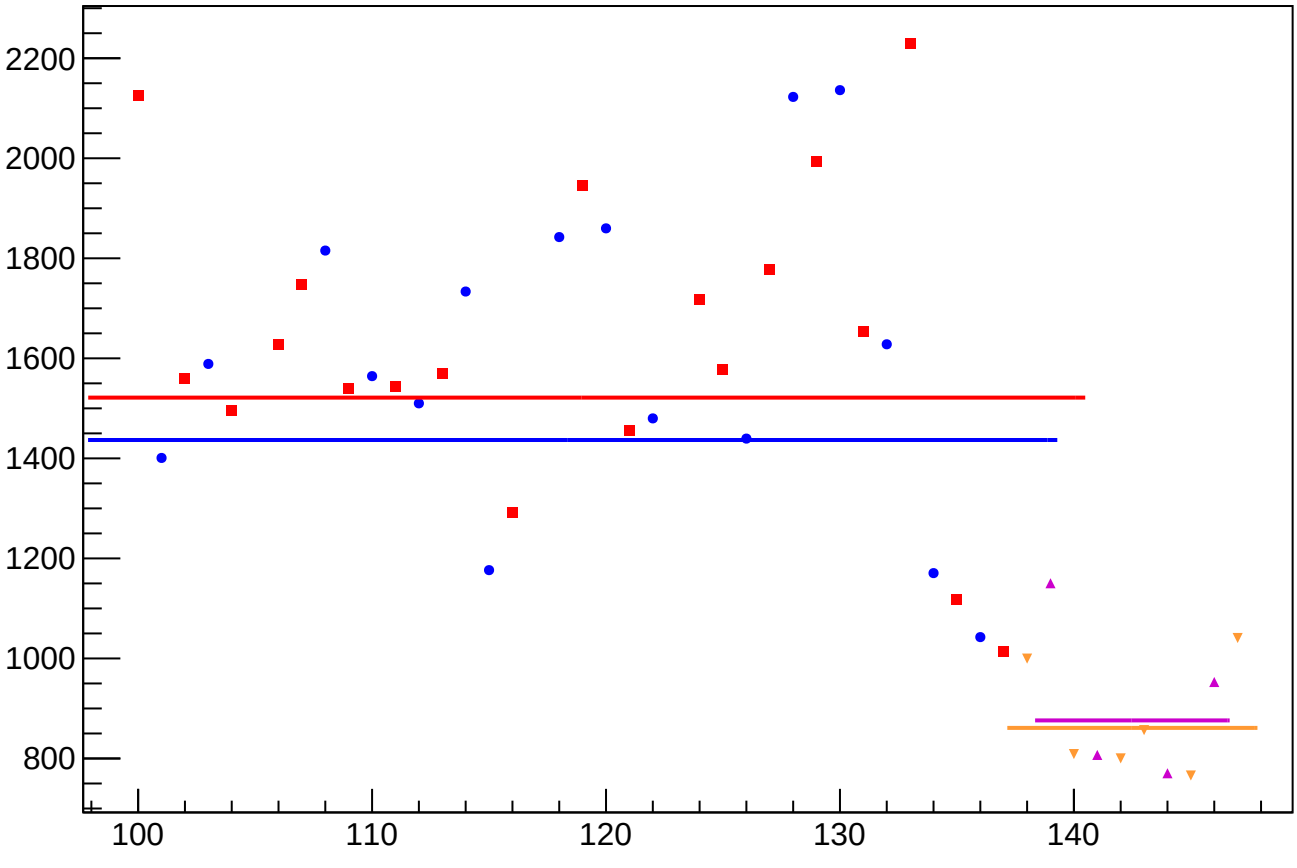
Left: -442.622+/-310.023 χ^2/NDF: 20.5/9

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -449.698+/-358.641 χ^2/NDF:24.8/19

Out: -155.342+/-333.087 χ^2/NDF:35.4/24

All: -291.661+/-244.063 χ^2/NDF: 60.5/44



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 861.151+/-0.290 χ^2/NDF:114989.4/5

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 876.128+/-0.334 χ^2/NDF:154040.5/3

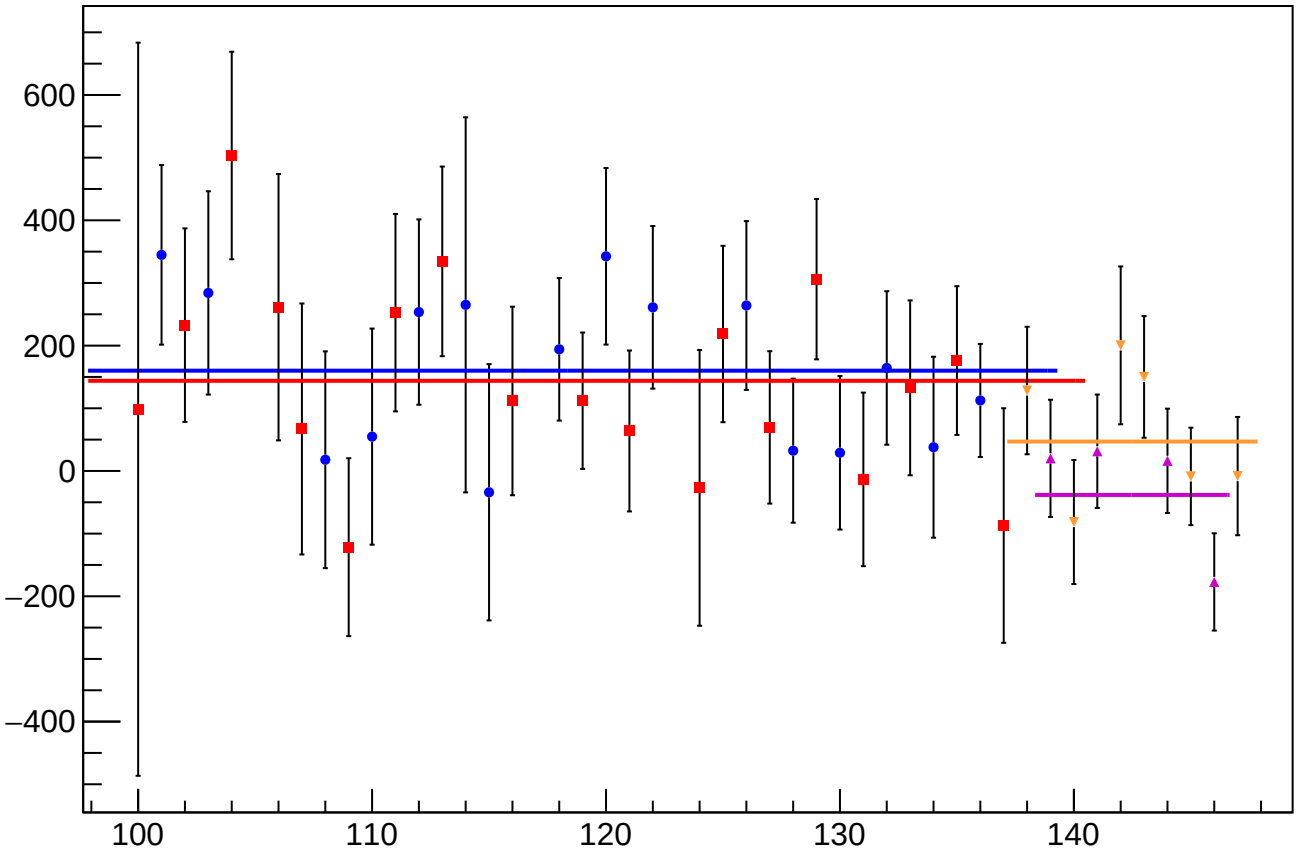
Left: 867.588+/-0.219 χ^2/NDF: 270173.8/9

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1114.320+/-0.254 χ^2/NDF:2023860.1/19

Out: 1086.827+/-0.236 χ^2/NDF:2381655.1/24

All: 1099.559+/-0.173 χ^2/NDF: 4411825.3/44



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 46.886+/-39.361 χ^2/NDF:5.8/5

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -38.270+/-42.770 χ^2/NDF:4.6/3

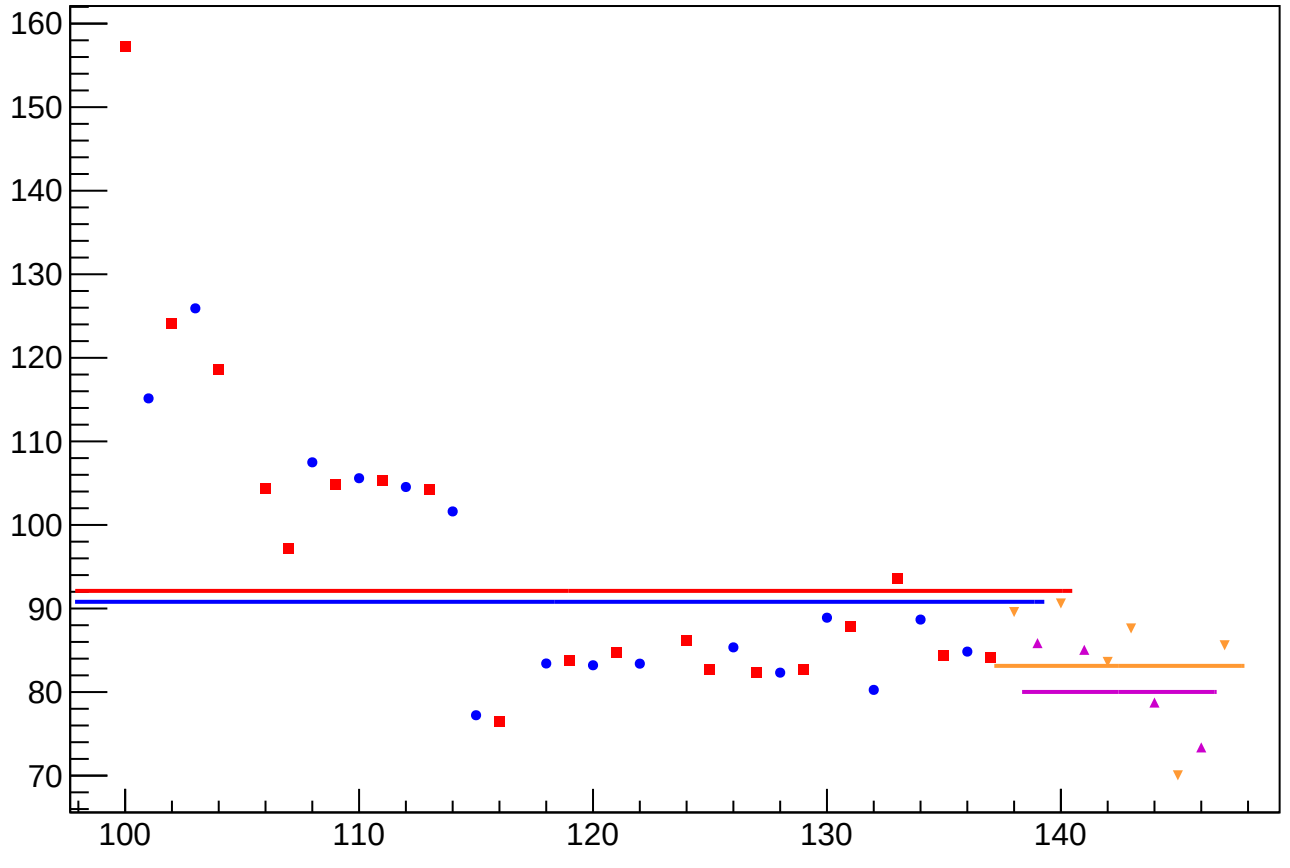
Left: 7.836+/-28.963 χ^2/NDF: 12.5/9

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 82.765+/-26.696 χ^2/NDF:28.8/19

Out: 102.122+/-25.823 χ^2/NDF:26.6/24

All: 92.766+/-18.561 χ^2/NDF: 55.7/44



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 83.135+/-0.028 χ^2/NDF:81806.7/5

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.015+/-0.030 χ^2/NDF:29107.5/3

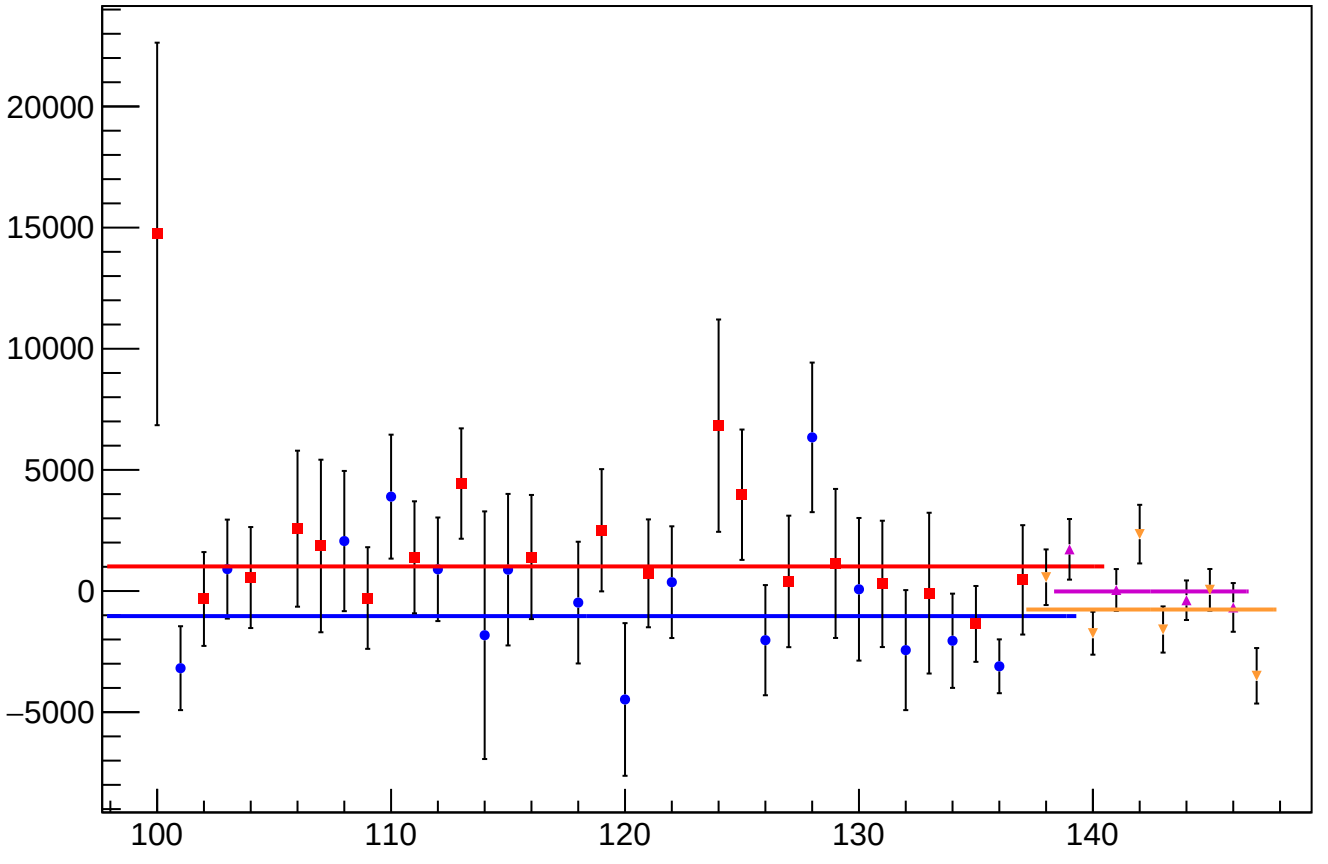
Left: 81.705+/-0.020 χ^2/NDF: 116677.3/9

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.599+/-0.019 χ^2/NDF:379515.3/19

Out: 88.246+/-0.018 χ^2/NDF:441775.8/24

All: 87.450+/-0.013 χ^2/NDF: 825222.9/44



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -763.170+/-410.548 χ^2/NDF:16.5/5

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -17.291+/-472.912 χ^2/NDF:2.6/3

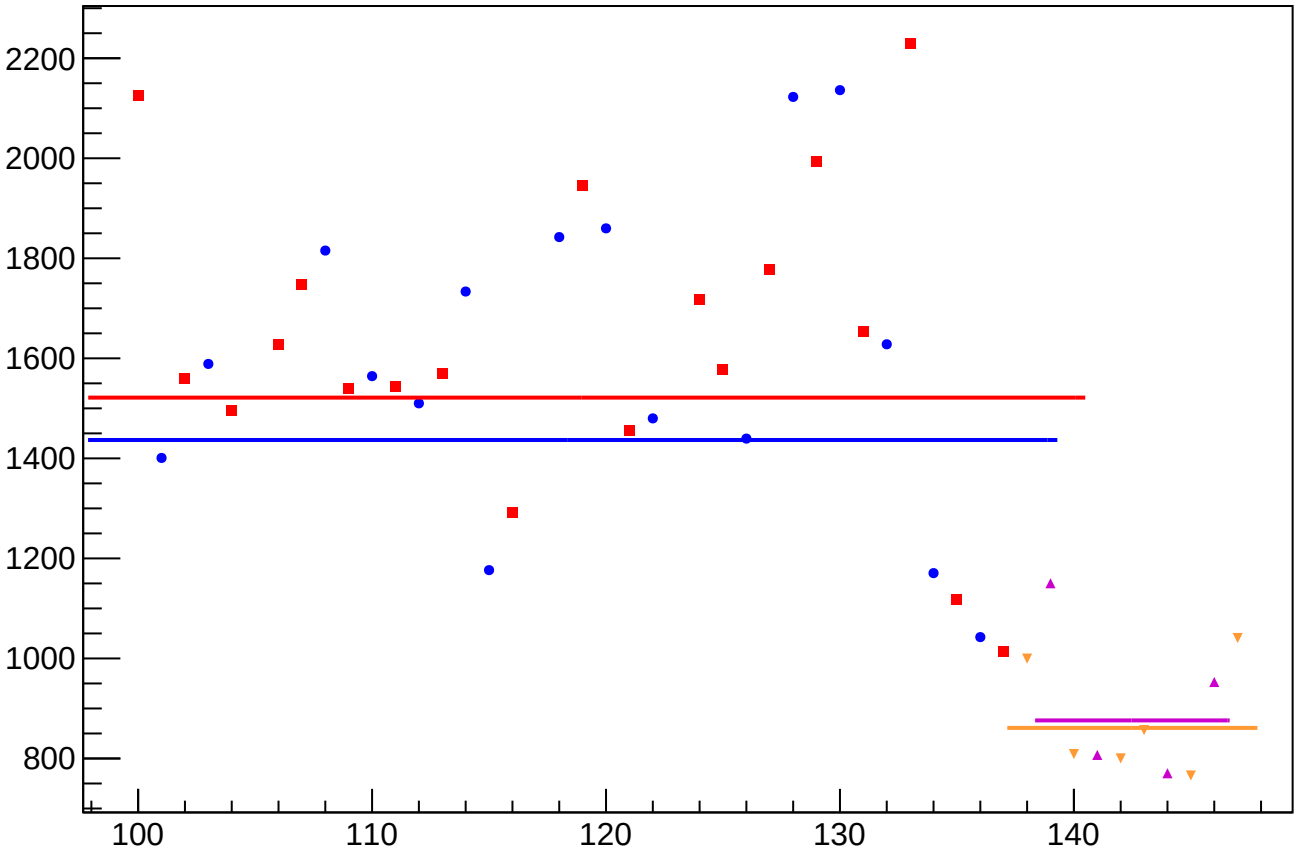
Left: -442.622+/-310.023 χ^2/NDF: 20.5/9

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -449.698+/-358.641 χ^2/NDF:24.8/19

Out: -155.342+/-333.087 χ^2/NDF:35.4/24

All: -291.661+/-244.063 χ^2/NDF: 60.5/44



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 861.151+/-0.290 χ^2/NDF:114989.4/5

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 876.128+/-0.334 χ^2/NDF:154040.5/3

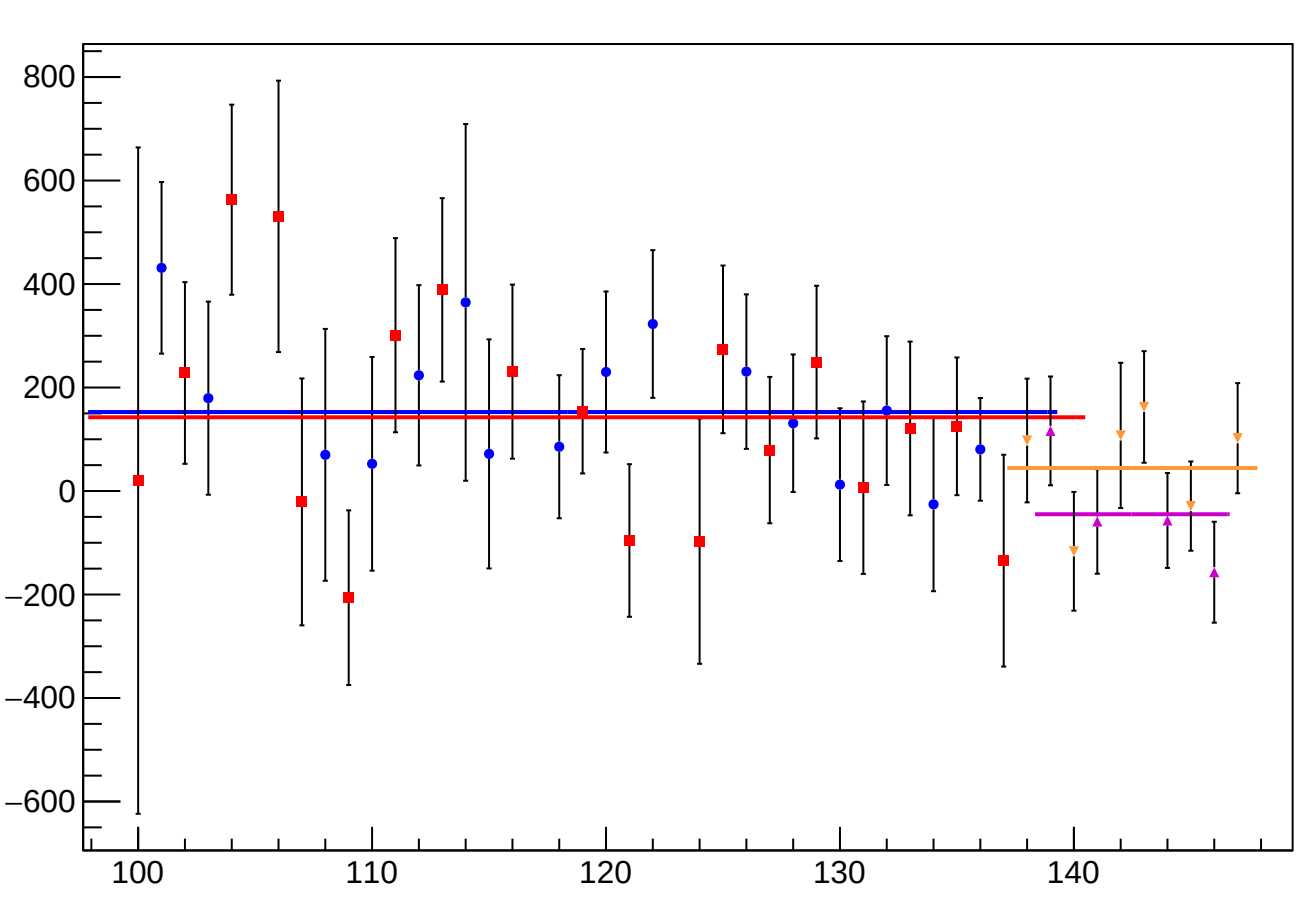
Left: 867.588+/-0.219 χ^2/NDF: 270173.8/9

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1114.320+/-0.254 χ^2/NDF:2023860.1/19

Out: 1086.827+/-0.236 χ^2/NDF:2381655.1/24

All: 1099.559+/-0.173 χ^2/NDF: 4411825.3/44



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.525+/-44.483 χ^2/NDF:4.6/5

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -44.883+/-49.245 χ^2/NDF:3.7/3

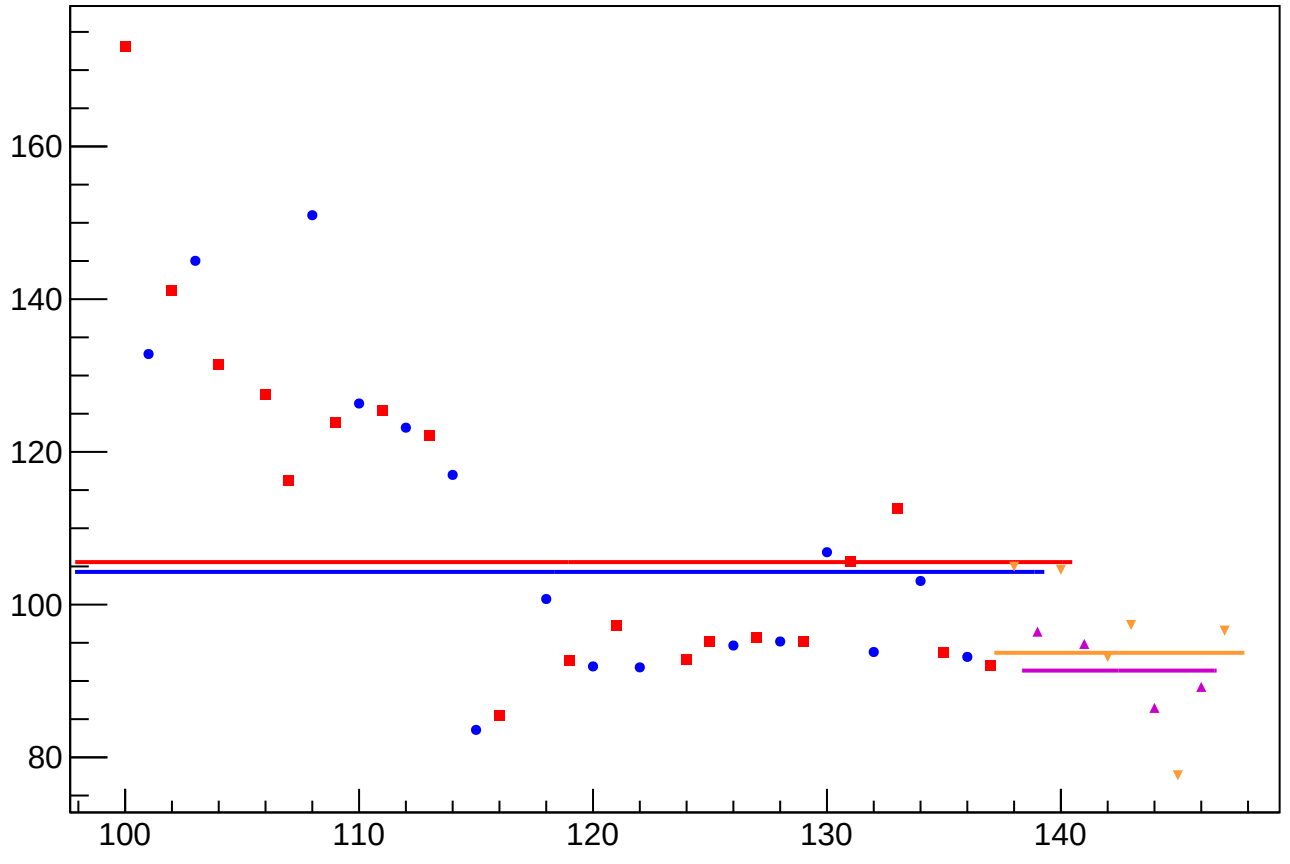
Left: 4.351+/-33.010 χ^2/NDF: 10.1/9

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 75.428+/-30.787 χ^2/NDF:22.1/19

Out: 99.499+/-29.469 χ^2/NDF:30.2/24

All: 87.990+/-21.288 χ^2/NDF: 52.7/44



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 93.690+/-0.031 χ^2/NDF:108739.1/5

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.362+/-0.035 χ^2/NDF:13721.4/3

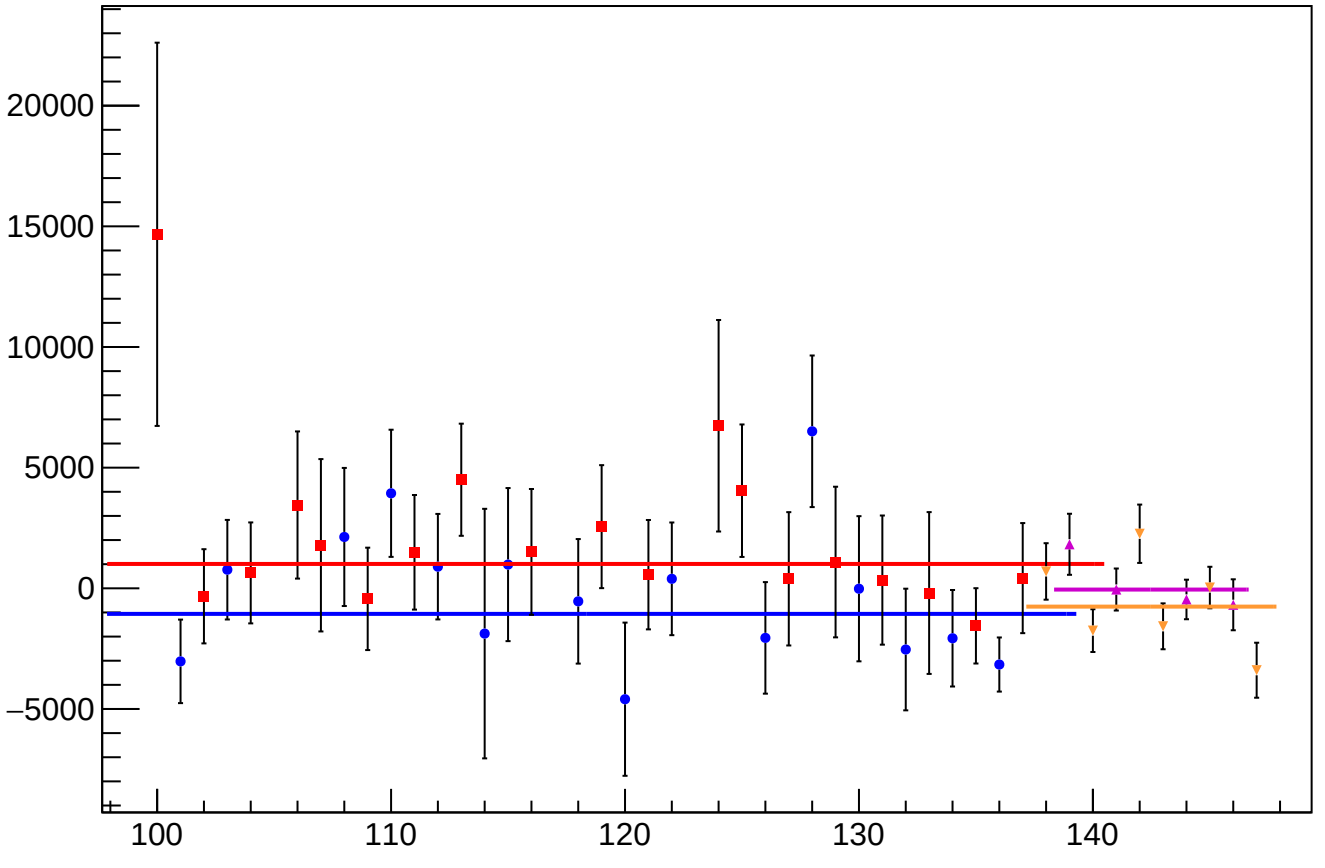
Left: 92.644+/-0.023 χ^2/NDF: 124920.3/9

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 99.235+/-0.022 χ^2/NDF:475941.6/19

Out: 100.355+/-0.021 χ^2/NDF:533368.5/24

All: 99.819+/-0.015 χ^2/NDF: 1010691.6/44



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -758.295+/-411.157 χ^2/NDF:16.0/5

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: -51.820+/-480.606 χ^2/NDF:2.8/3

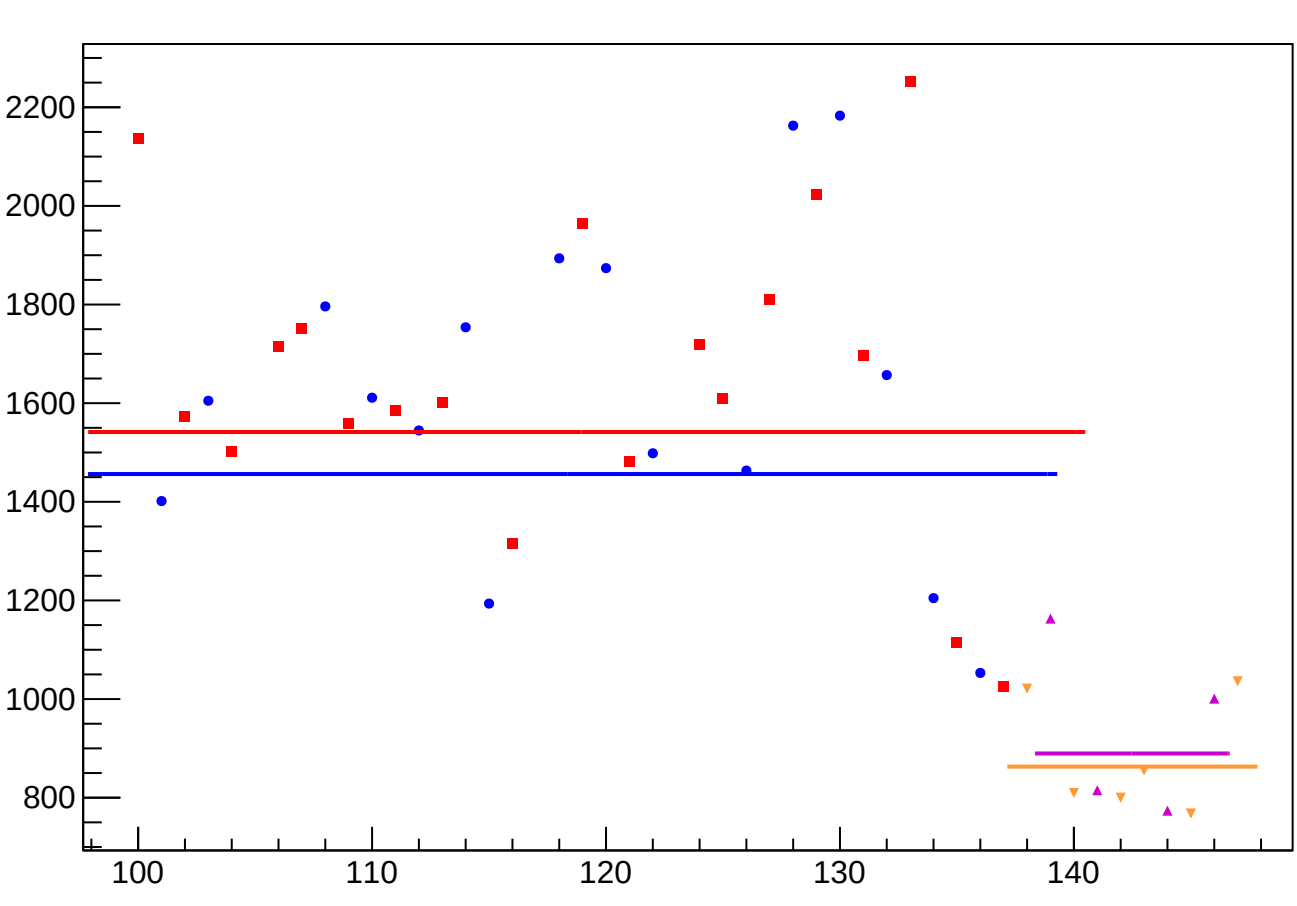
Left: -459.745+/-312.428 χ^2/NDF: 20.0/9

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -481.238+/-364.055 χ^2/NDF:24.7/19

Out: -160.215+/-334.470 χ^2/NDF:35.5/24

All: -307.154+/-246.302 χ^2/NDF: 60.7/44



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 863.068+/-0.291 χ^2/NDF:119840.3/5

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 889.709+/-0.340 χ^2/NDF:170371.8/3

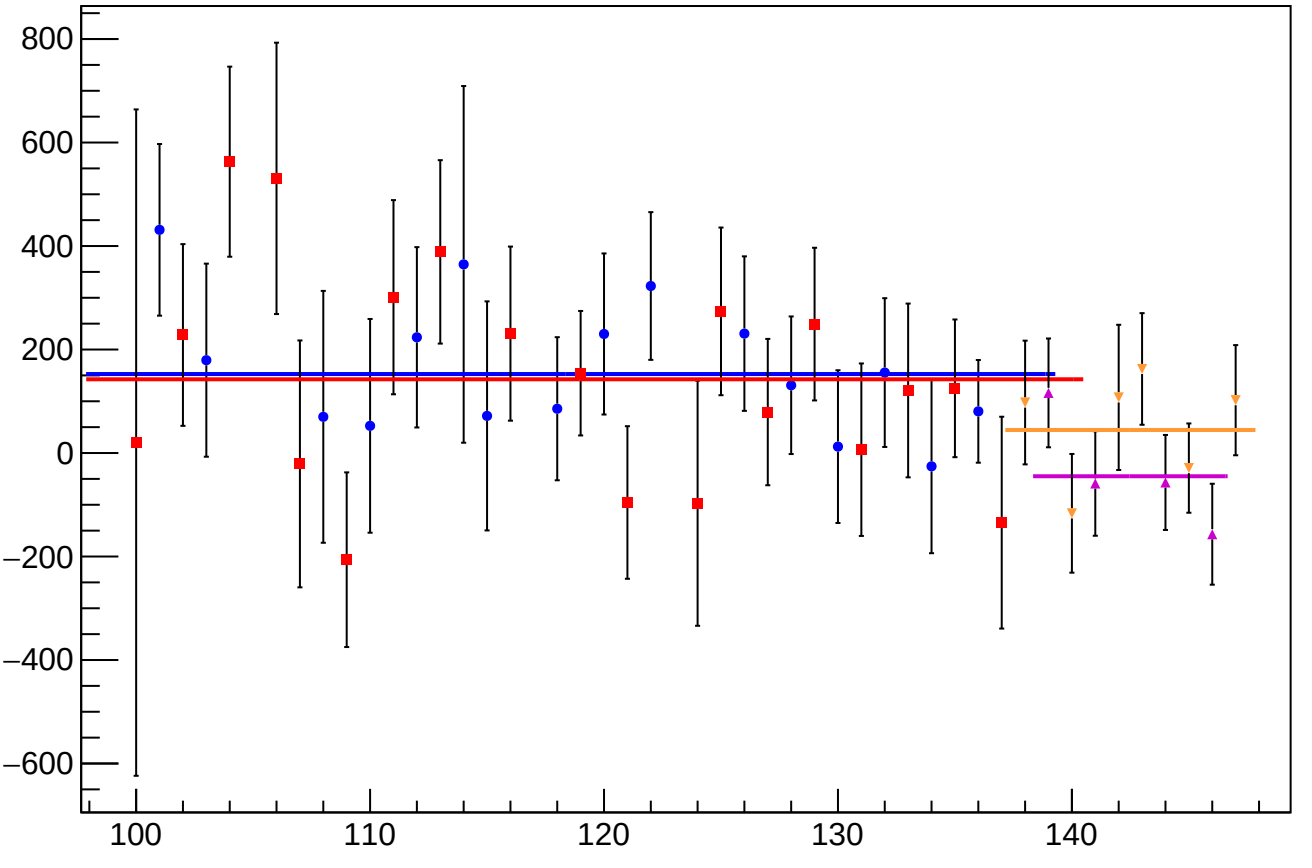
Left: 874.327+/-0.221 χ^2/NDF: 293760.4/9

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1131.195+/-0.257 χ^2/NDF:2039896.4/19

Out: 1092.550+/-0.237 χ^2/NDF:2481150.0/24

All: 1110.239+/-0.174 χ^2/NDF: 4533267.1/44



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.522+/-44.483 χ^2/NDF:4.6/5

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -44.883+/-49.244 χ^2/NDF:3.7/3

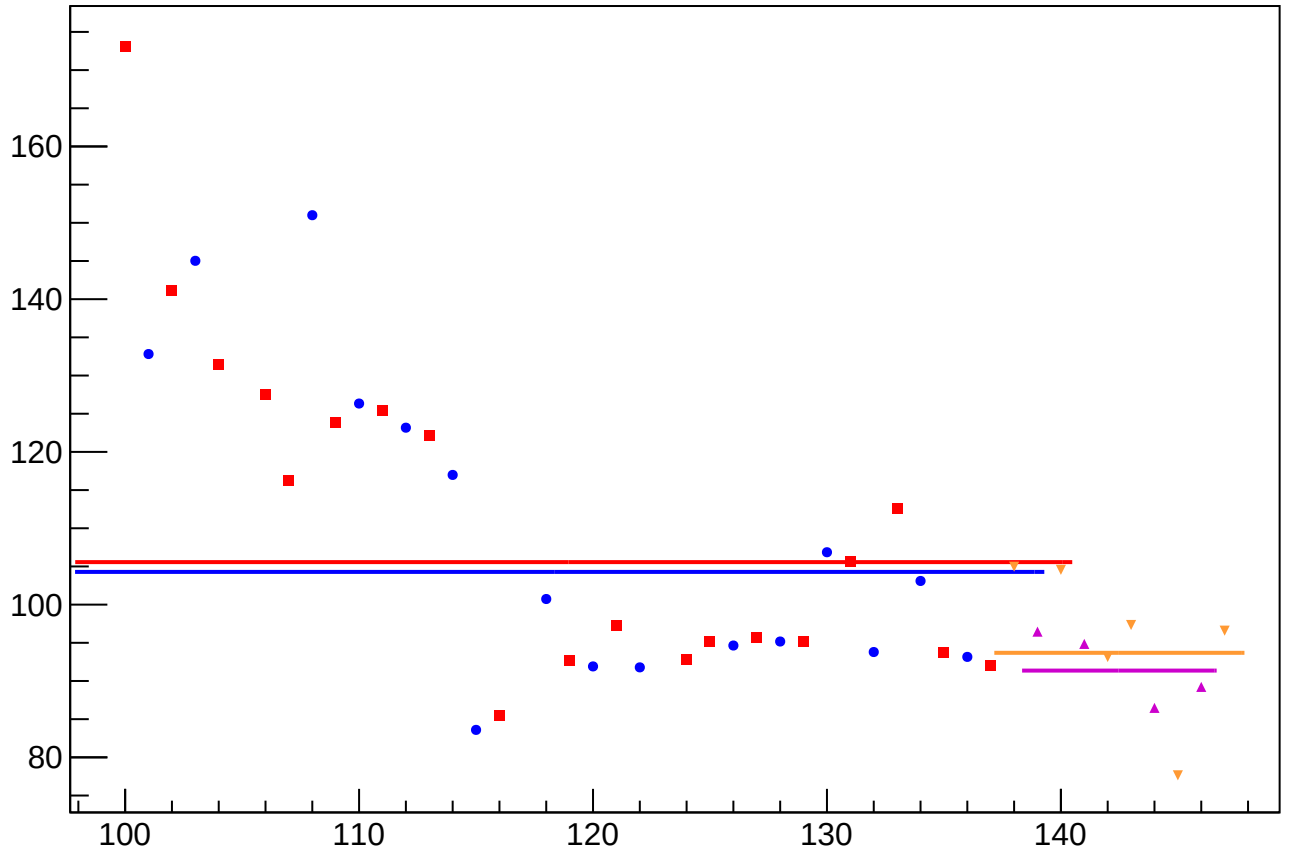
Left: 4.350+/-33.010 χ^2/NDF: 10.1/9

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 75.431+/-30.787 χ^2/NDF:22.1/19

Out: 99.497+/-29.469 χ^2/NDF:30.2/24

All: 87.990+/-21.288 χ^2/NDF: 52.7/44



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 93.690+/-0.031 χ^2/NDF:108738.5/5

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.362+/-0.035 χ^2/NDF:13720.9/3

Left: 92.644+/-0.023 χ^2/NDF: 124919.4/9

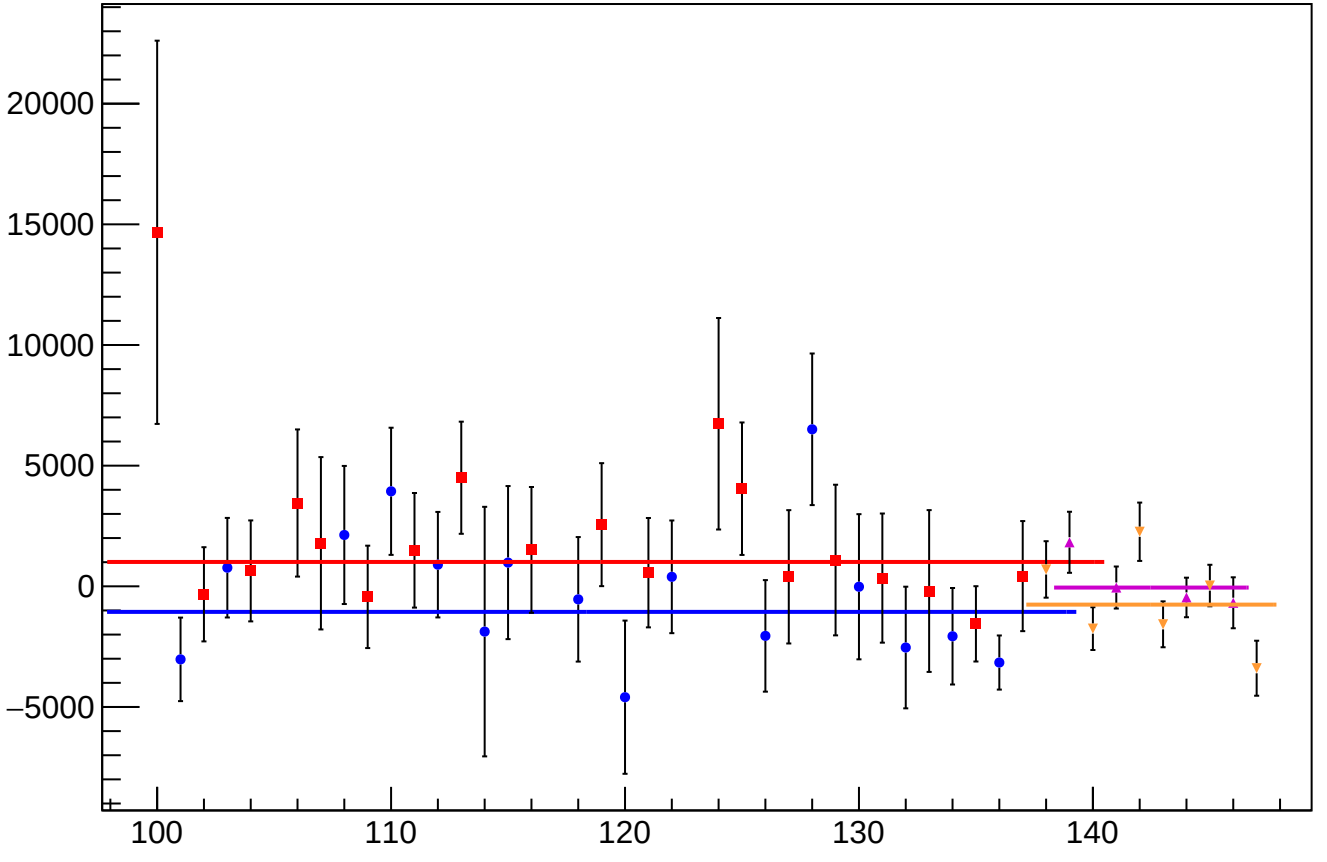
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 99.234+/-0.022 χ^2/NDF:475932.9/19

Out: 100.355+/-0.021 χ^2/NDF:533358.3/24

All: 99.819+/-0.015 χ^2/NDF: 1010673.3/44

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -758.296+/-411.156 χ^2/NDF:16.0/5

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -51.818+/-480.606 χ^2/NDF:2.8/3

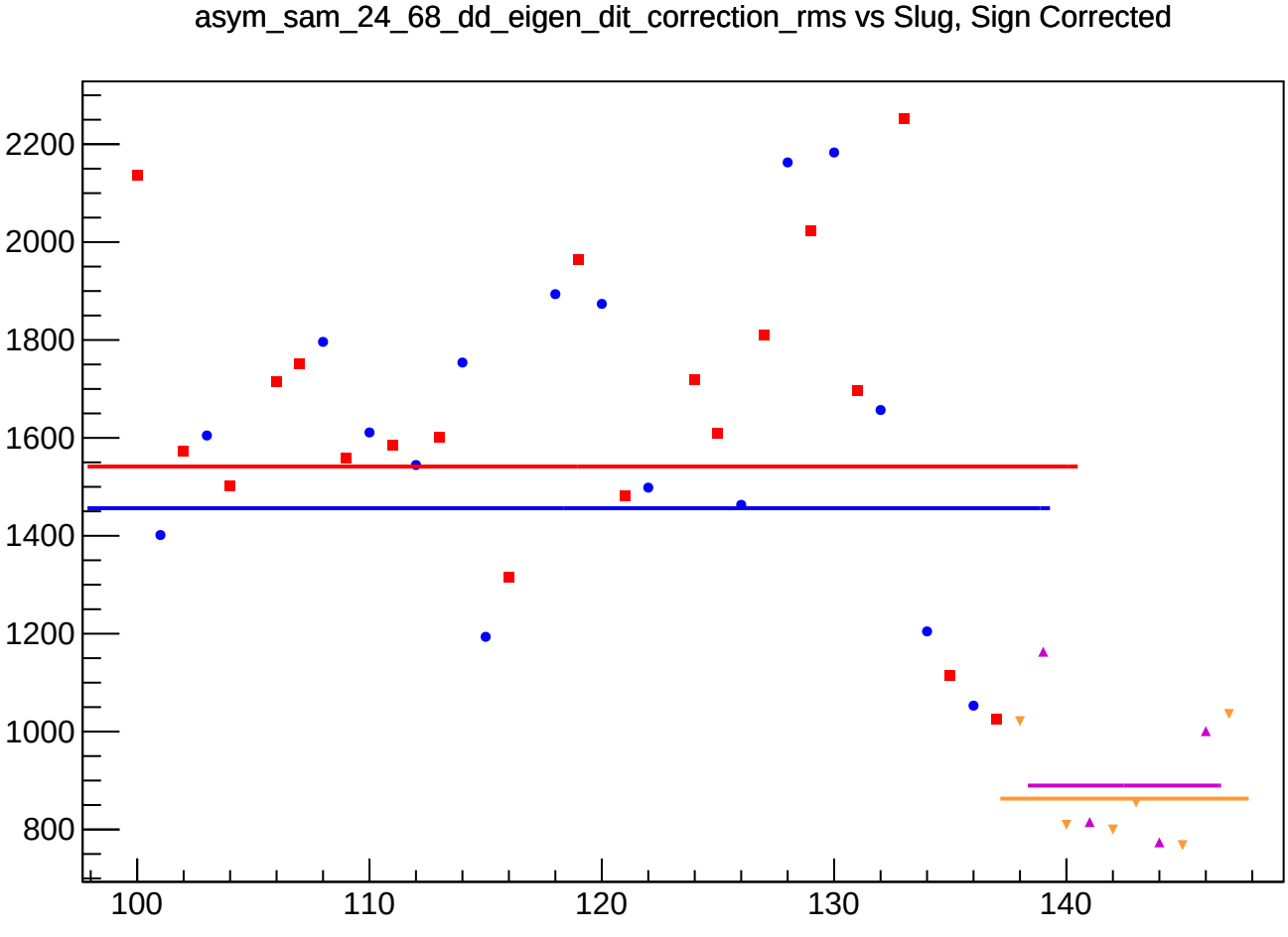
Left: -459.745+/-312.427 χ^2/NDF: 20.0/9

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -481.236+/-364.055 χ^2/NDF:24.7/19

Out: -160.216+/-334.469 χ^2/NDF:35.5/24

All: -307.154+/-246.302 χ^2/NDF: 60.7/44



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 863.067+/-0.291 χ^2/NDF:119840.6/5

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 889.708+/-0.340 χ^2/NDF:170371.1/3

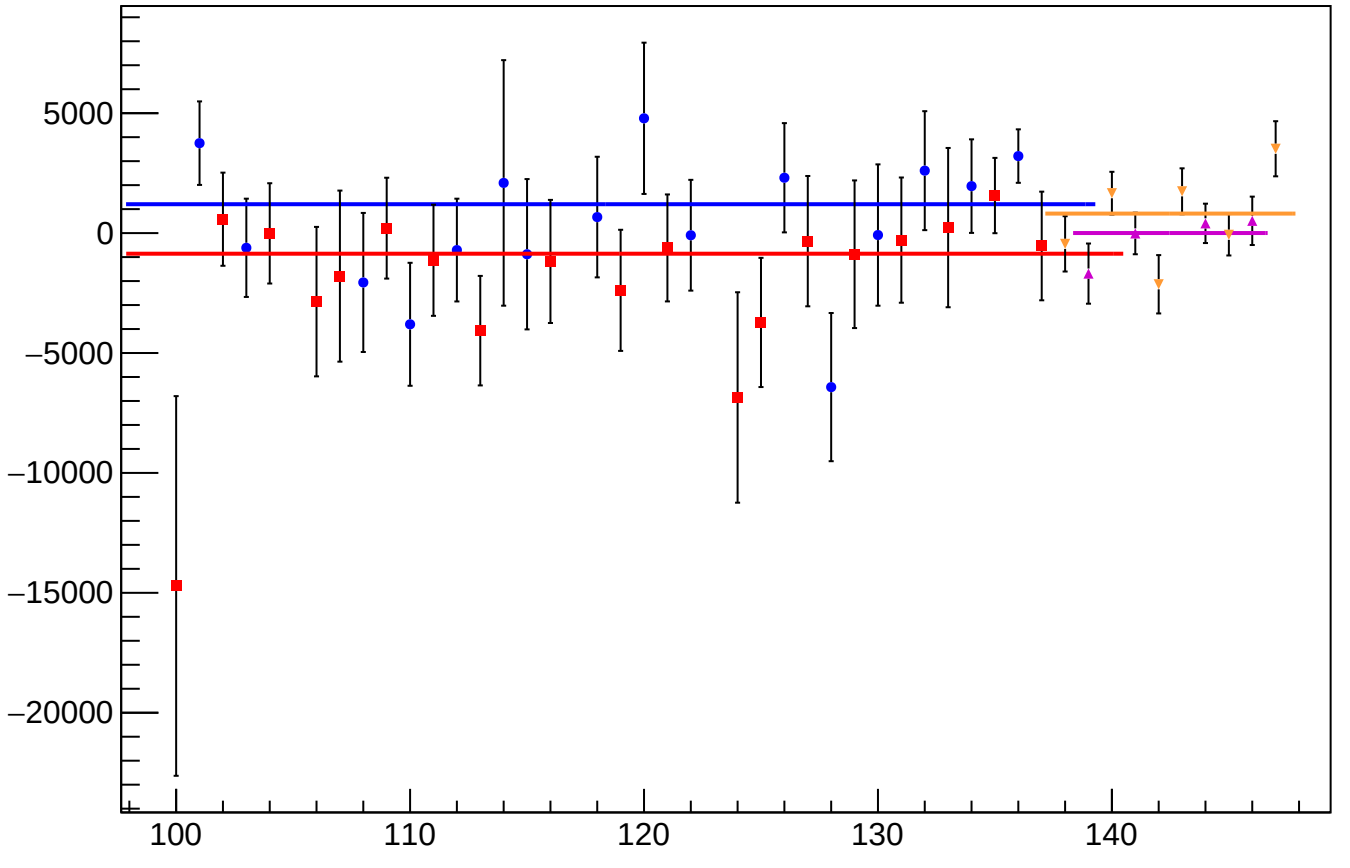
Left: 874.325+/-0.221 χ^2/NDF: 293760.0/9

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1131.193+/-0.257 χ^2/NDF:2039889.7/19

Out: 1092.548+/-0.237 χ^2/NDF:2481147.4/24

All: 1110.237+/-0.174 χ^2/NDF: 4533258.0/44



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 813.702+/-412.606 χ^2/NDF:15.5/5

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: 2.957+/-475.092 χ^2/NDF:2.3/3

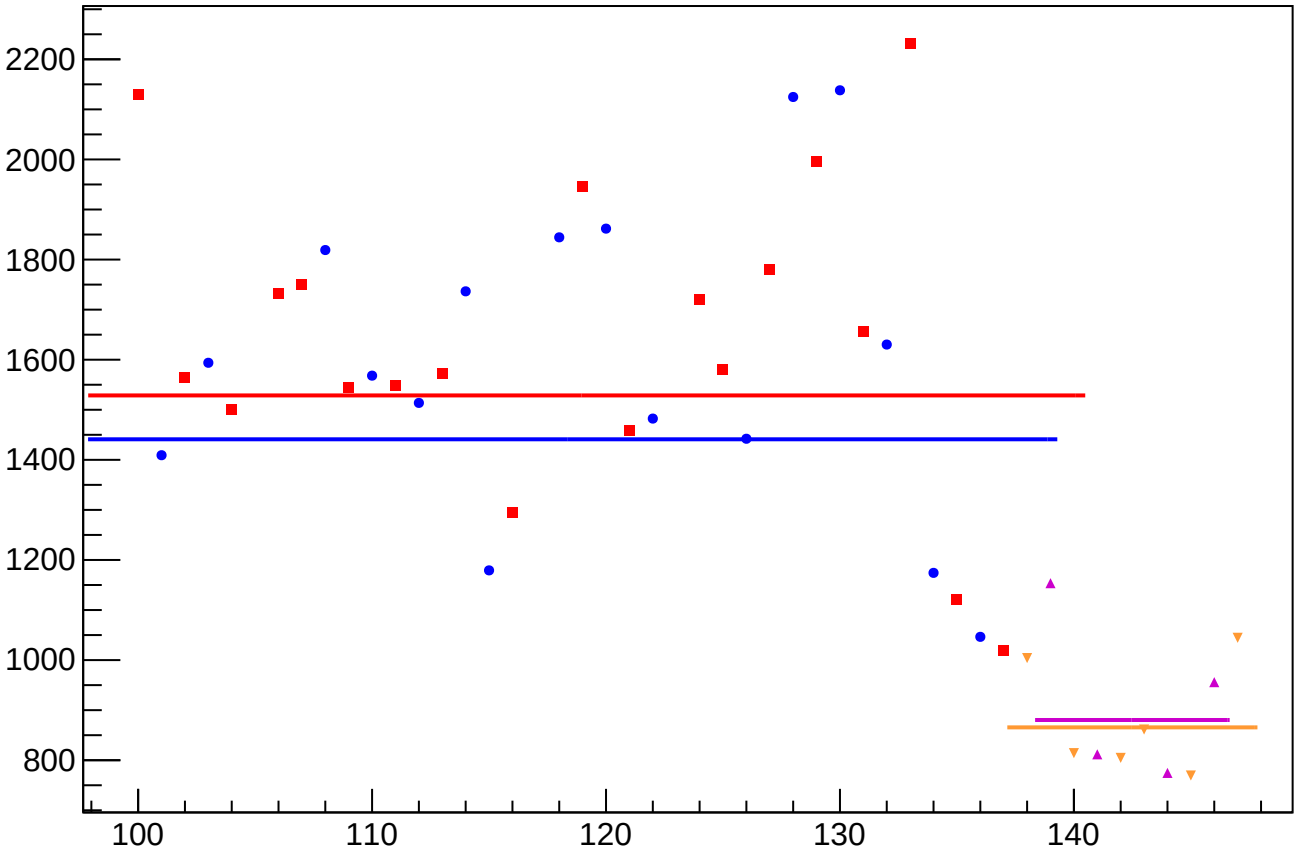
Left: 465.117+/-311.523 χ^2/NDF: 19.5/9

Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 514.629+/-360.012 χ^2/NDF:26.2/19

Out: 239.000+/-334.308 χ^2/NDF:33.6/24

All: 366.625+/-244.975 χ^2/NDF: 60.1/44



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 865.612+/-0.292 χ^2/NDF:113823.3/5

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 880.357+/-0.336 χ^2/NDF:151750.8/3

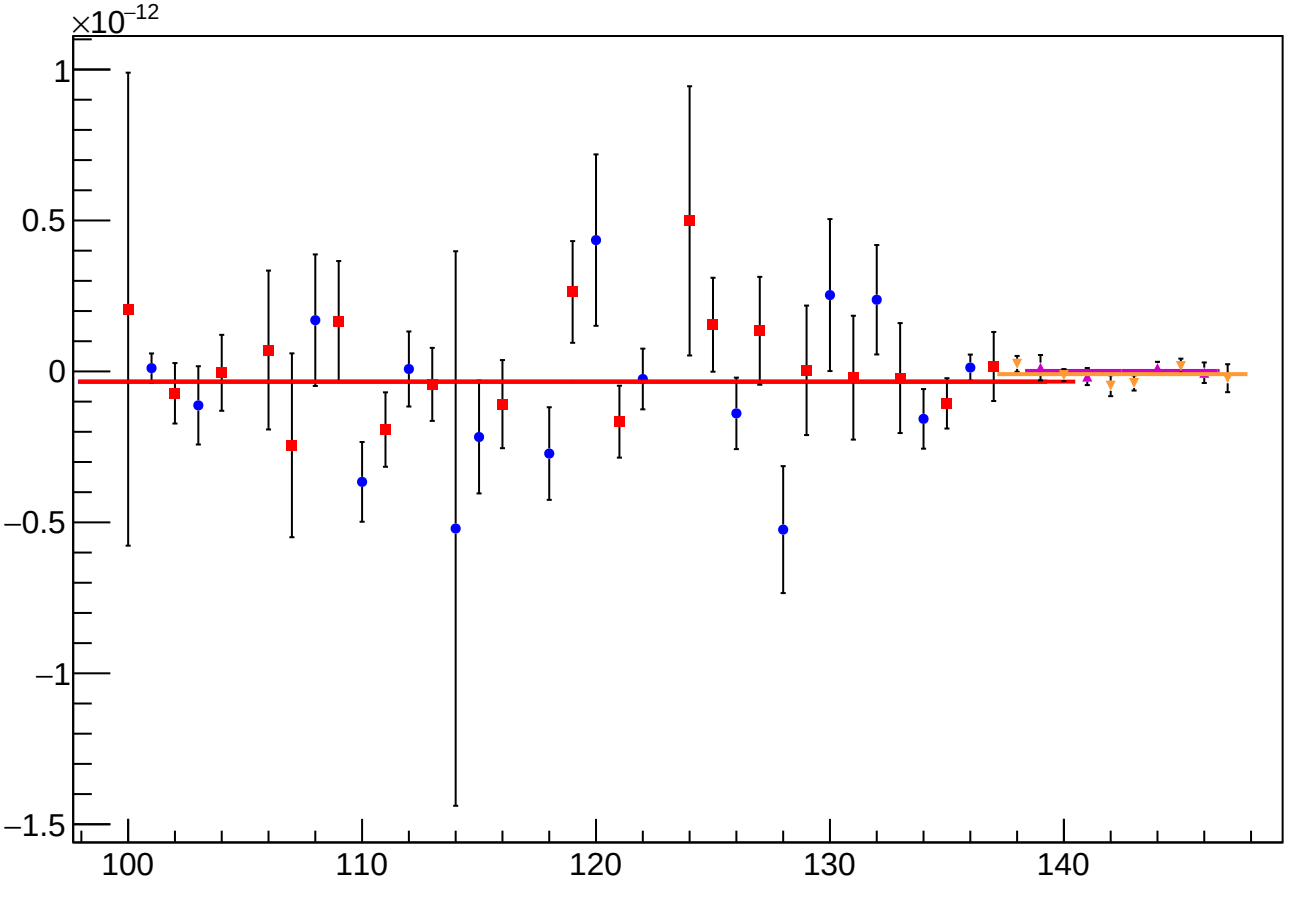
Left: 871.952+/-0.220 χ^2/NDF: 266672.3/9

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1119.077+/-0.255 χ^2/NDF:2008382.5/19

Out: 1093.378+/-0.236 χ^2/NDF:2389675.3/24

All: 1105.277+/-0.173 χ^2/NDF: 4403530.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

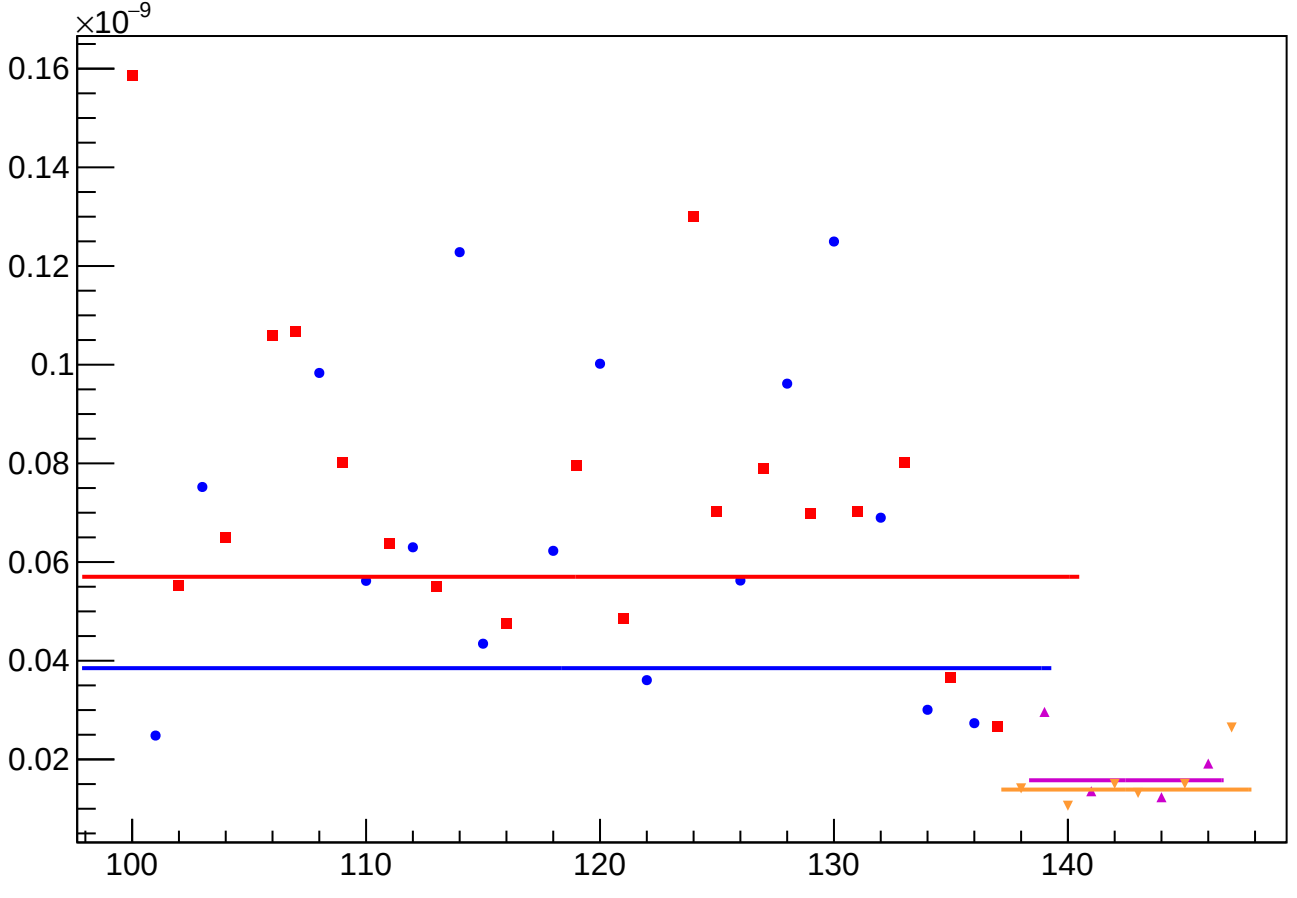
Left: -0.000+/-0.000 χ^2/NDF: 6.7/9

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:29.7/19

Out: -0.000+/-0.000 χ^2/NDF:19.1/24

All: -0.000+/-0.000 χ^2/NDF: 48.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:208974.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:304455.7/3

Left: 0.000+/-0.000 χ^2/NDF: 535772.1/9

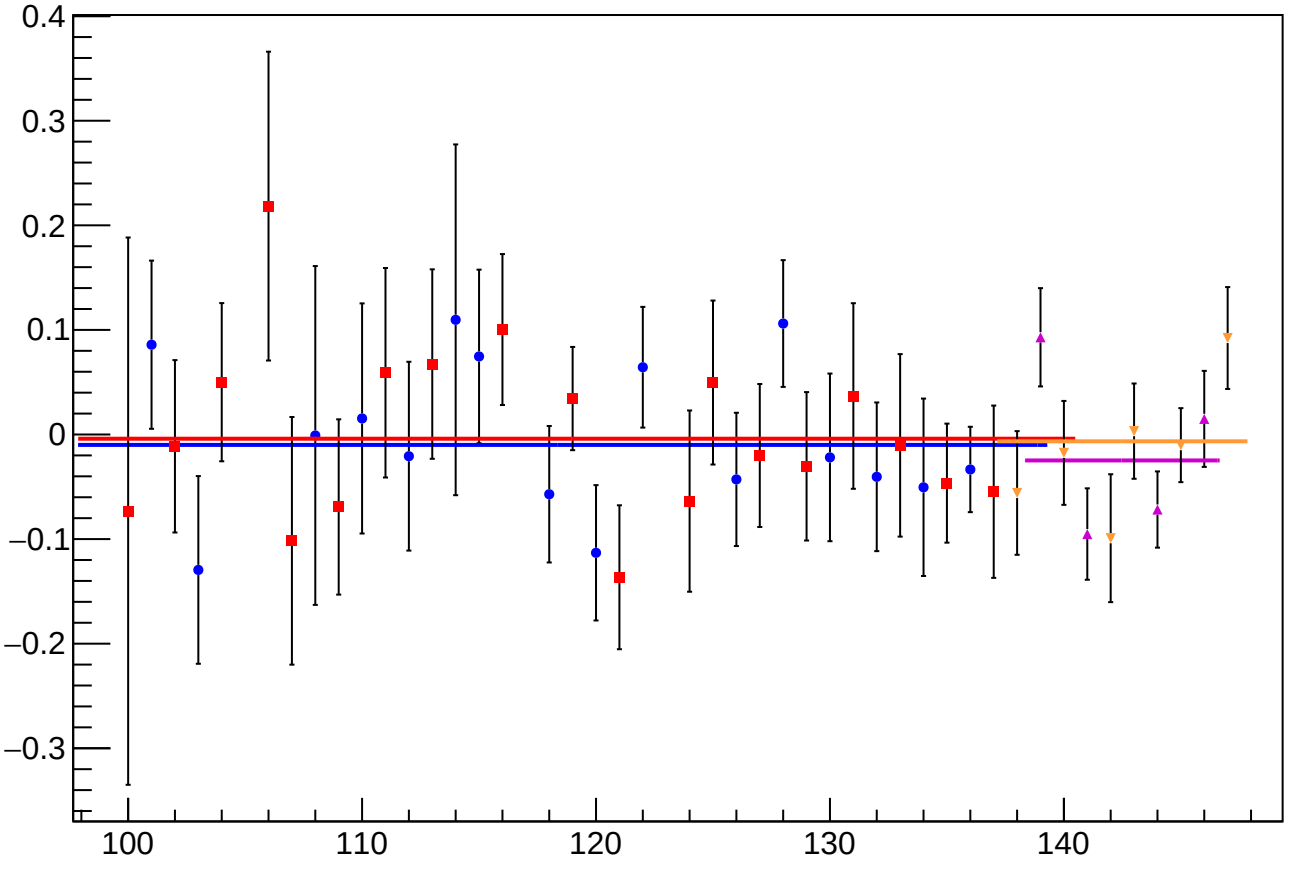
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:2935049.1/19

Out: 0.000+/-0.000 χ^2/NDF:3821137.8/24

All: 0.000+/-0.000 χ^2/NDF: 6841652.5/44

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.021 χ^2/NDF:11.3/3

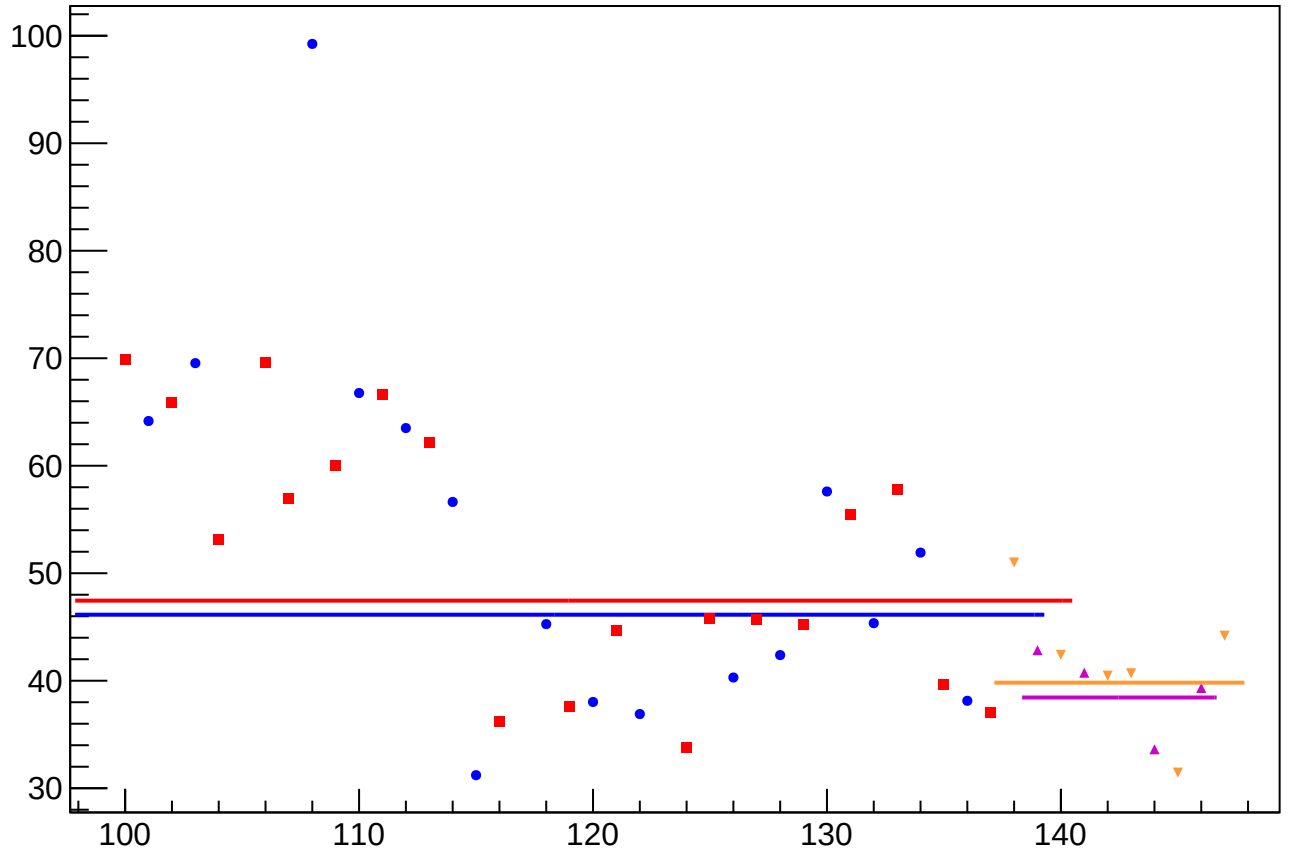
Left: -0.015+/-0.014 χ^2/NDF: 18.9/9

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.016+/-0.014 χ^2/NDF:25.8/19

Out: -0.005+/-0.013 χ^2/NDF:21.1/24

All: -0.010+/-0.010 χ^2/NDF: 47.2/44



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.817+/-0.014 χ^2/NDF:205837.9/5

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.439+/-0.015 χ^2/NDF:58753.8/3

Left: 39.193+/-0.010 χ^2/NDF: 269167.2/9

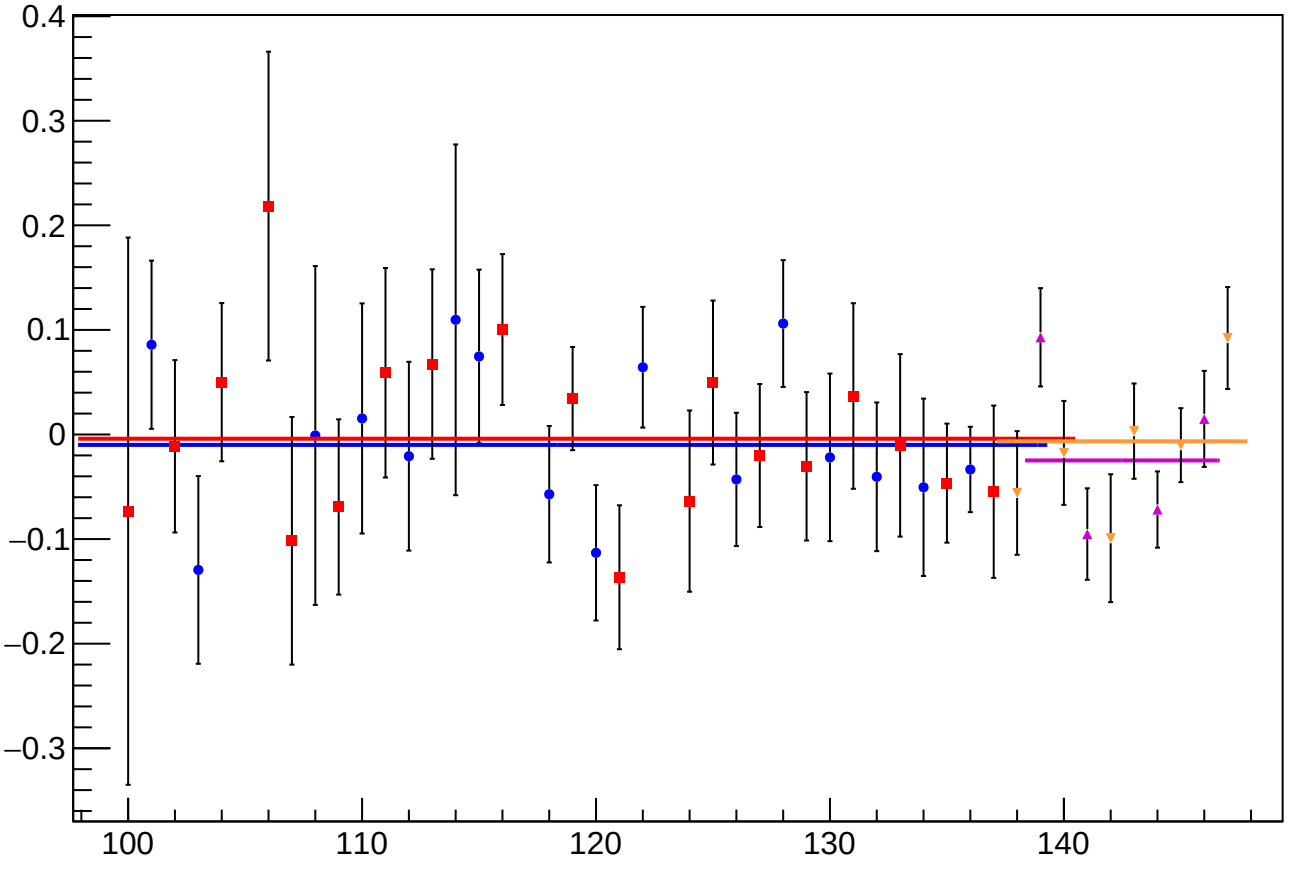
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.934+/-0.010 χ^2/NDF:1114640.3/19

Out: 43.896+/-0.009 χ^2/NDF:1026252.8/24

All: 43.434+/-0.007 χ^2/NDF: 2145978.2/44

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: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.021 χ^2/NDF:11.3/3

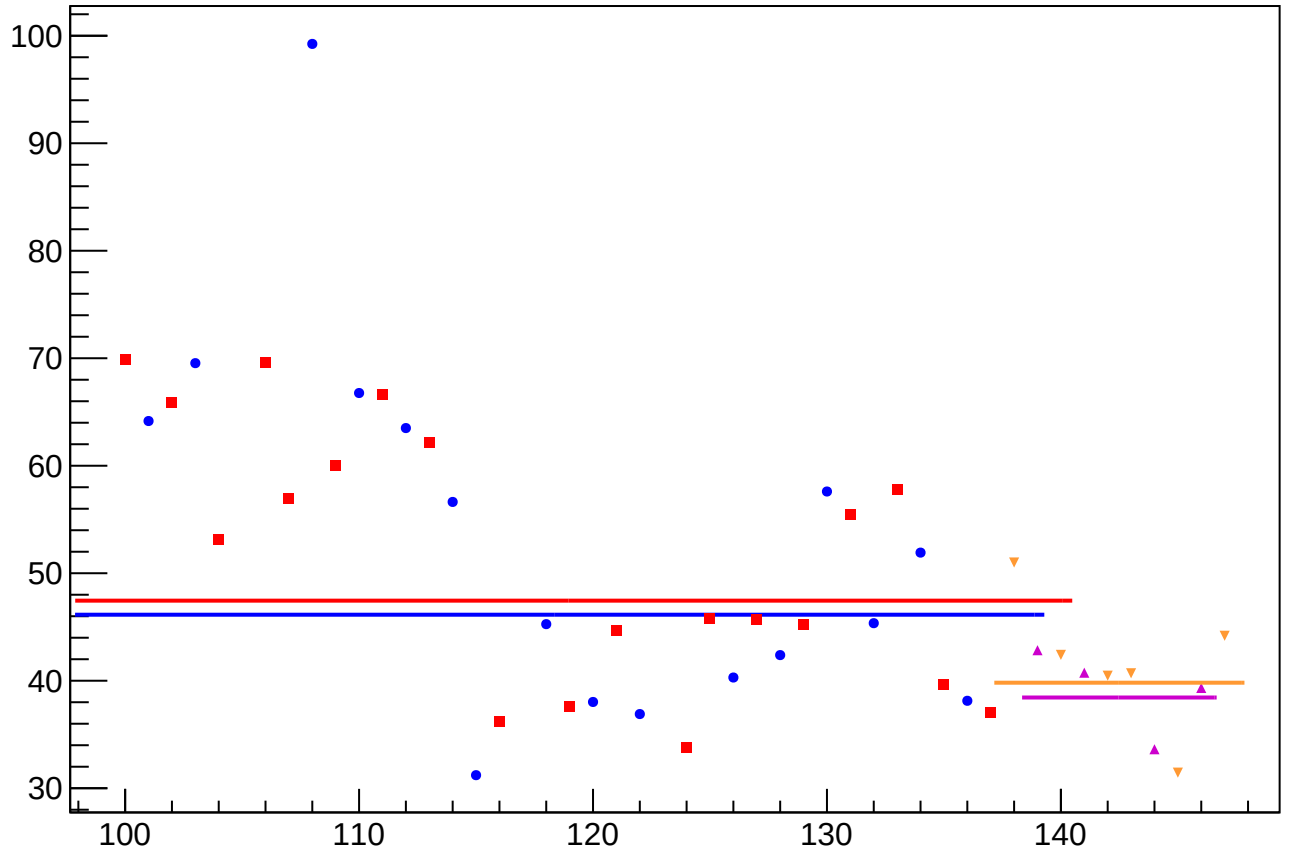
Left: -0.015+/-0.014 χ^2/NDF: 18.9/9

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.016+/-0.014 χ^2/NDF:25.8/19

Out: -0.005+/-0.013 χ^2/NDF:21.1/24

All: -0.010+/-0.010 χ^2/NDF: 47.2/44



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.817+/-0.014 χ^2/NDF:205837.9/5

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.439+/-0.015 χ^2/NDF:58753.8/3

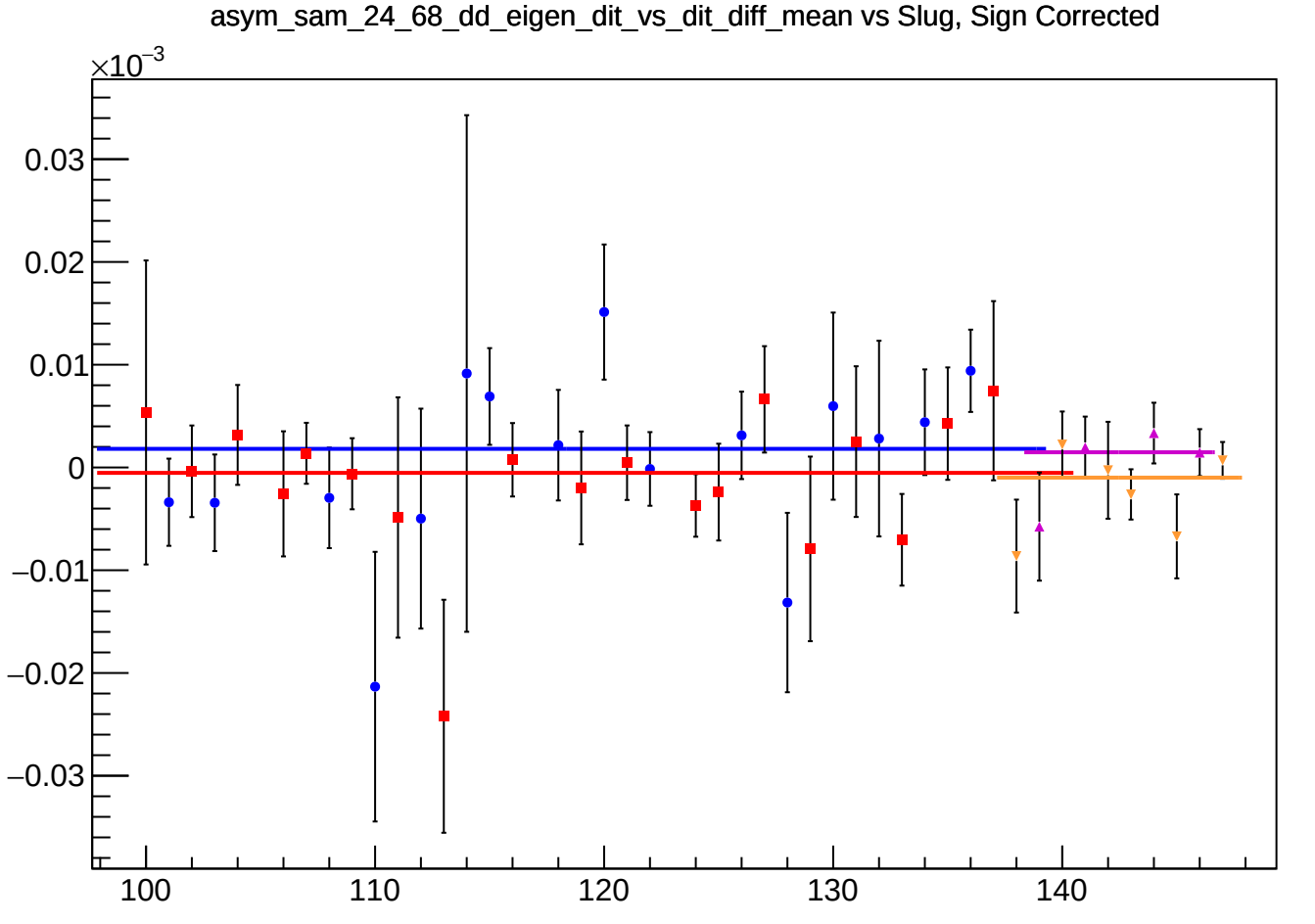
Left: 39.193+/-0.010 χ^2/NDF: 269167.2/9

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.934+/-0.010 χ^2/NDF:1114640.3/19

Out: 43.896+/-0.009 χ^2/NDF:1026252.8/24

All: 43.434+/-0.007 χ^2/NDF: 2145978.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/3

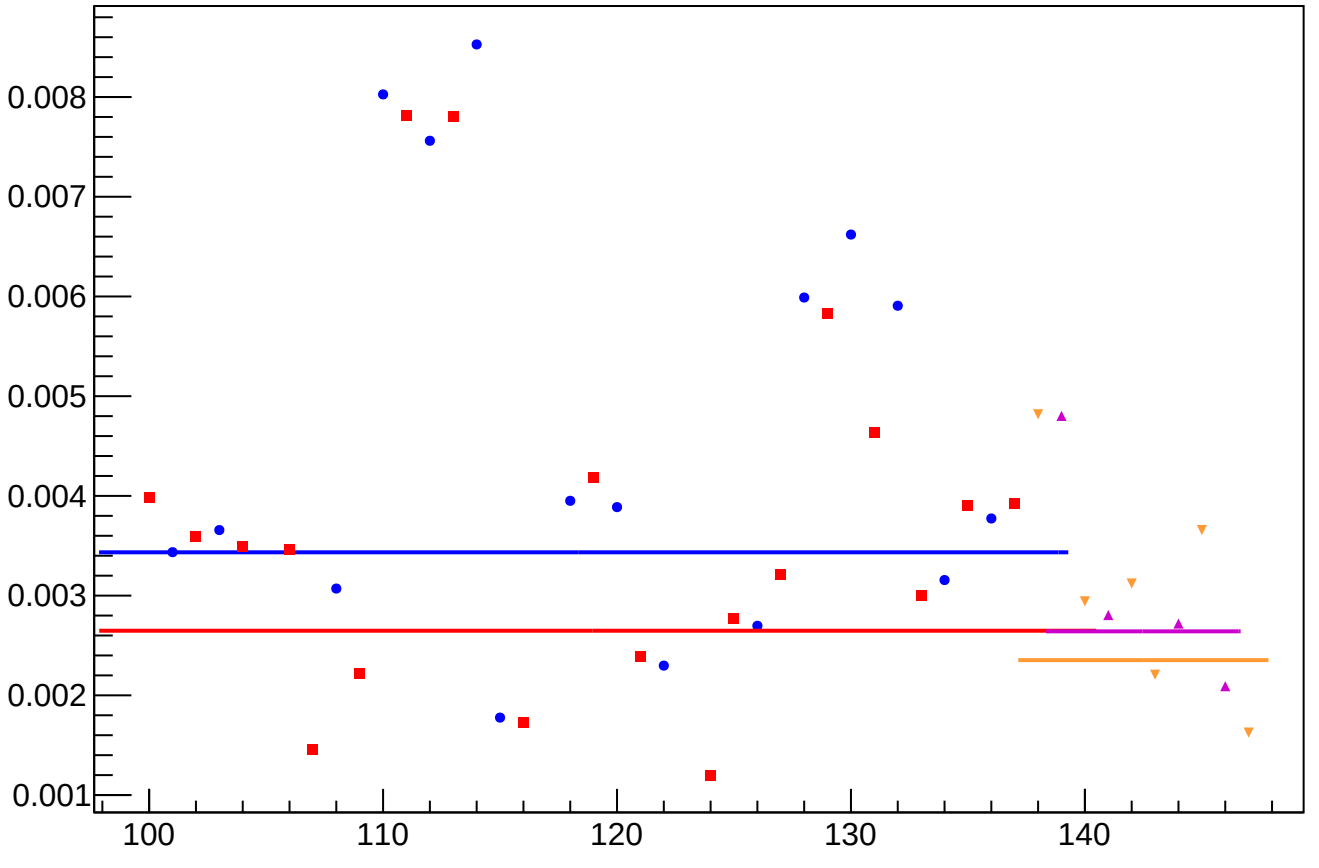
Left: -0.000+/-0.000 χ^2/NDF: 10.2/9

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:22.3/19

Out: -0.000+/-0.000 χ^2/NDF:20.1/24

All: 0.000+/-0.000 χ^2/NDF: 45.9/44



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1064252.0/5

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:460687.7/3

Left: 0.002+/-0.000 χ^2/NDF: 1571215.9/9

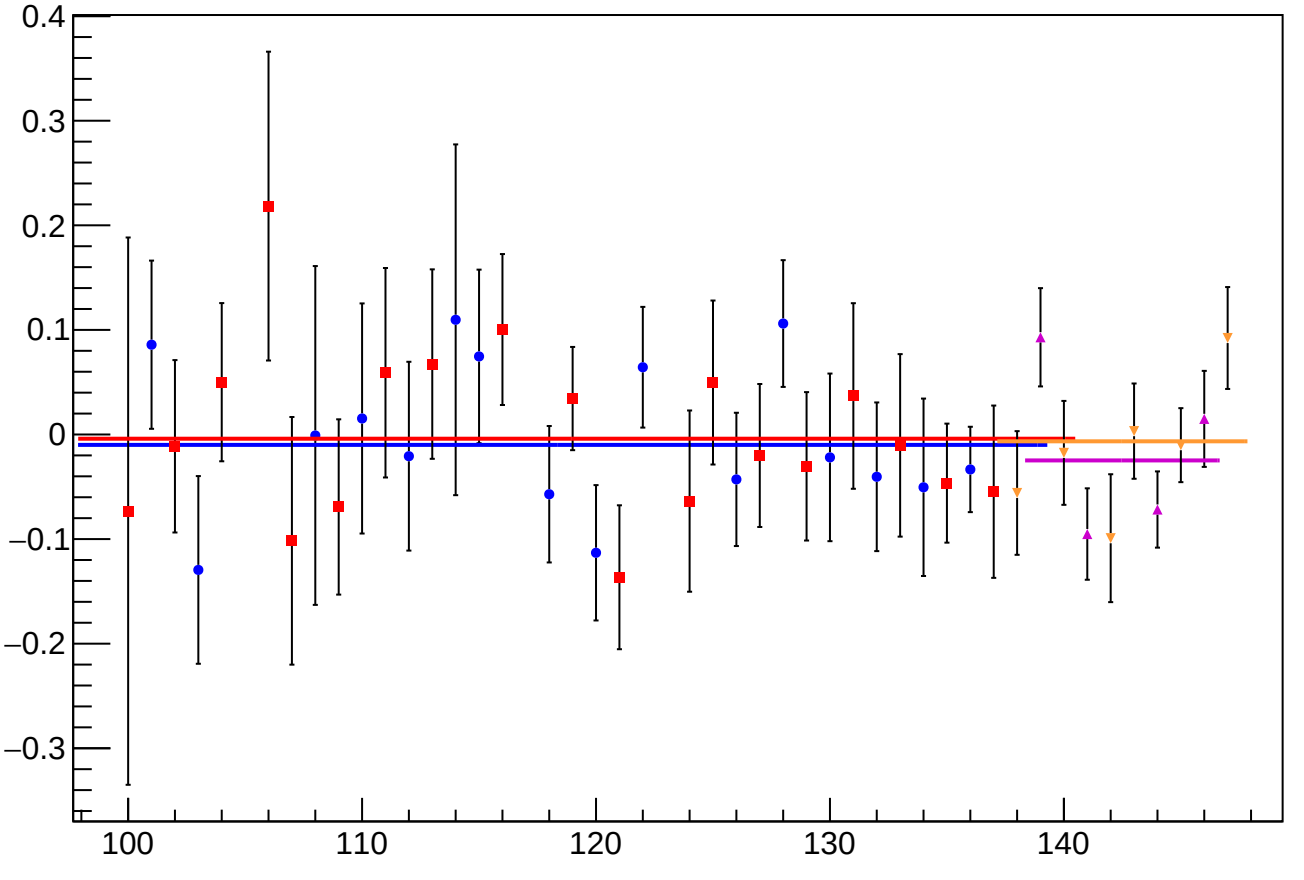
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:2516749.2/19

Out: 0.003+/-0.000 χ^2/NDF:3828364.0/24

All: 0.003+/-0.000 χ^2/NDF: 6718513.8/44

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: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.021 χ^2/NDF:11.3/3

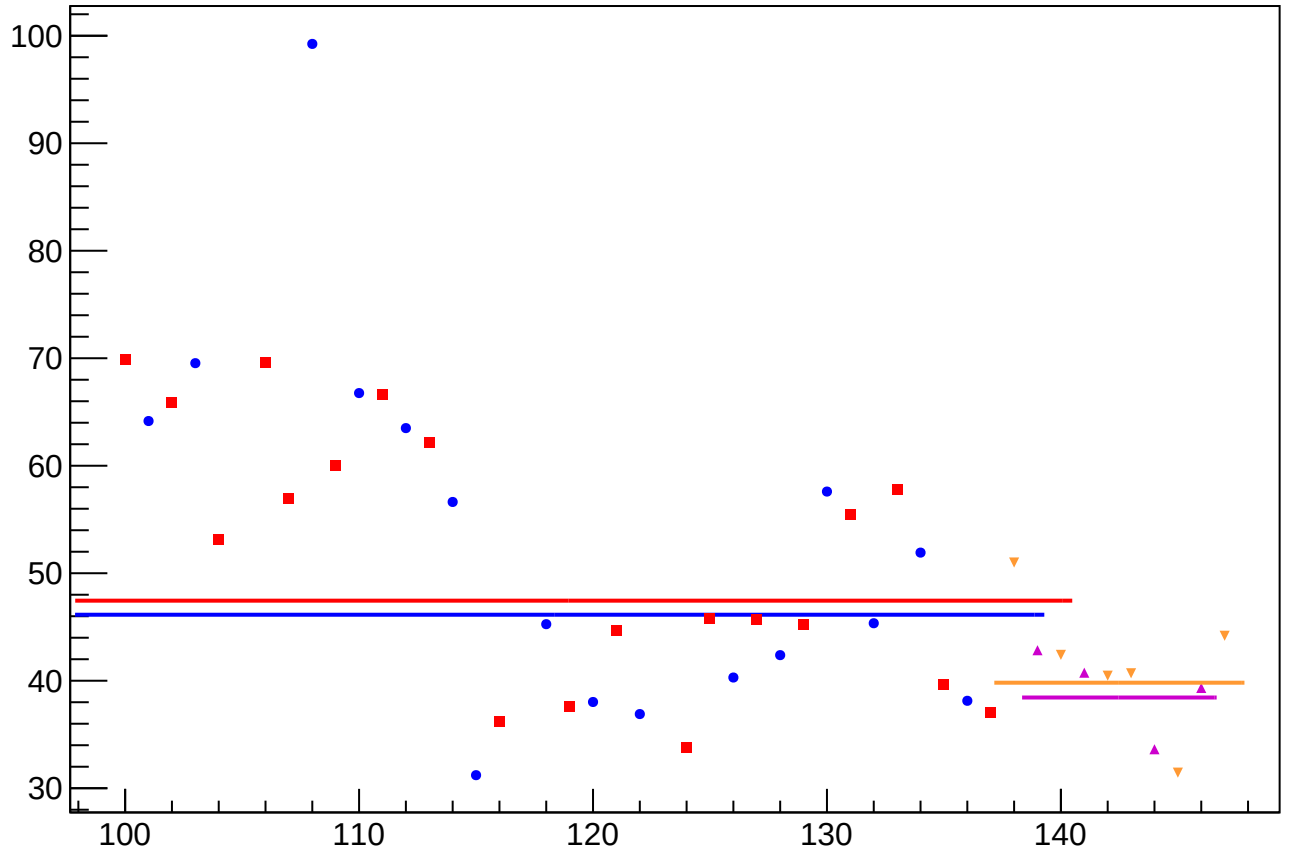
Left: -0.015+/-0.014 χ^2/NDF: 18.9/9

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.016+/-0.014 χ^2/NDF:25.8/19

Out: -0.005+/-0.013 χ^2/NDF:21.1/24

All: -0.010+/-0.010 χ^2/NDF: 47.2/44



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.817+/-0.014 χ^2/NDF:205834.4/5

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.439+/-0.015 χ^2/NDF:58750.2/3

Left: 39.193+/-0.010 χ^2/NDF: 269162.2/9

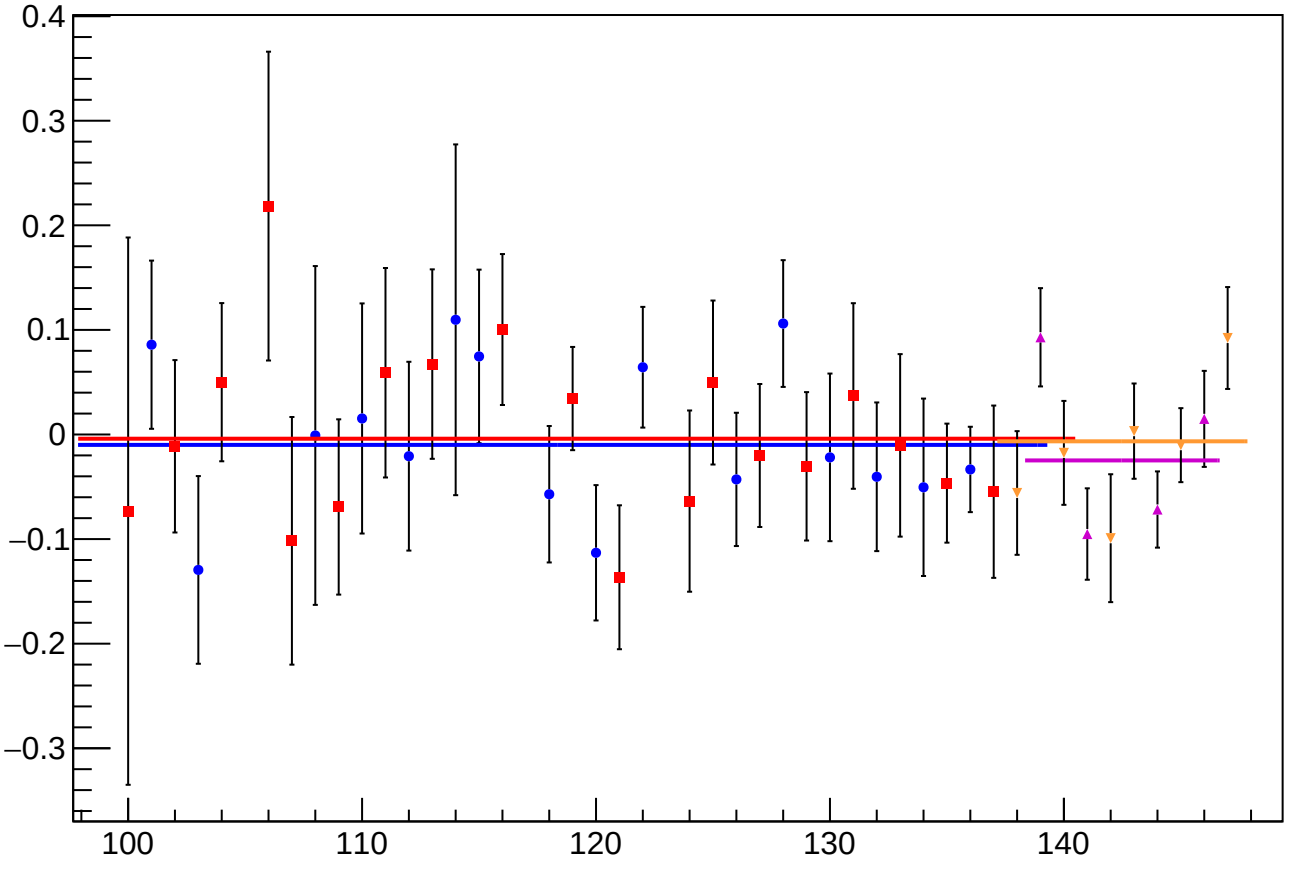
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.933+/-0.010 χ^2/NDF:1114561.7/19

Out: 43.896+/-0.009 χ^2/NDF:1026193.7/24

All: 43.433+/-0.007 χ^2/NDF: 2145844.8/44

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: -0.007+/-0.019 χ^2/NDF:7.2/5

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.025+/-0.021 χ^2/NDF:11.3/3

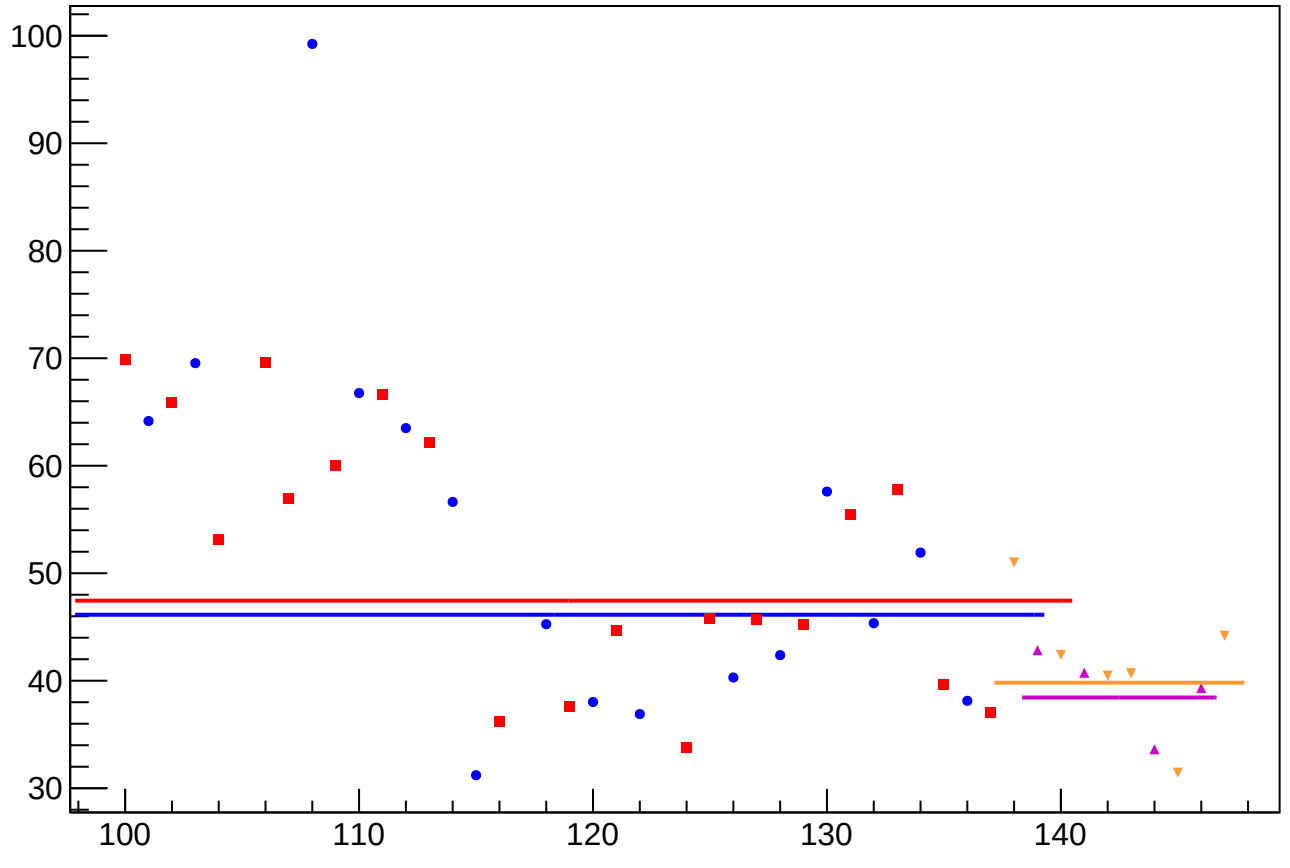
Left: -0.015+/-0.014 χ^2/NDF: 18.9/9

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.016+/-0.014 χ^2/NDF:25.8/19

Out: -0.005+/-0.013 χ^2/NDF:21.1/24

All: -0.010+/-0.010 χ^2/NDF: 47.2/44



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.817+/-0.014 χ^2/NDF:205834.4/5

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.439+/-0.015 χ^2/NDF:58750.2/3

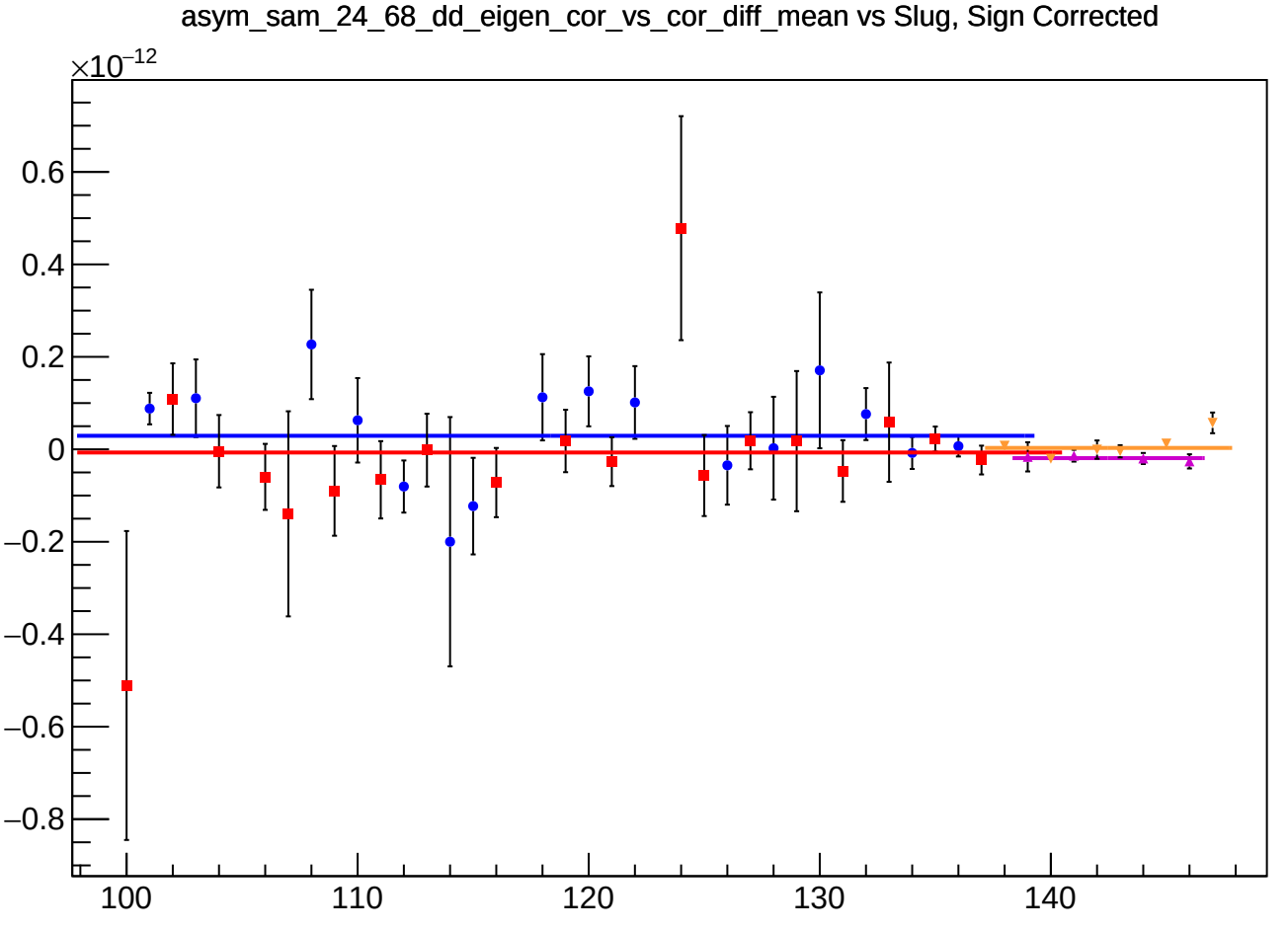
Left: 39.193+/-0.010 χ^2/NDF: 269162.2/9

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.933+/-0.010 χ^2/NDF:1114561.7/19

Out: 43.896+/-0.009 χ^2/NDF:1026193.7/24

All: 43.433+/-0.007 χ^2/NDF: 2145844.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:0.4/3

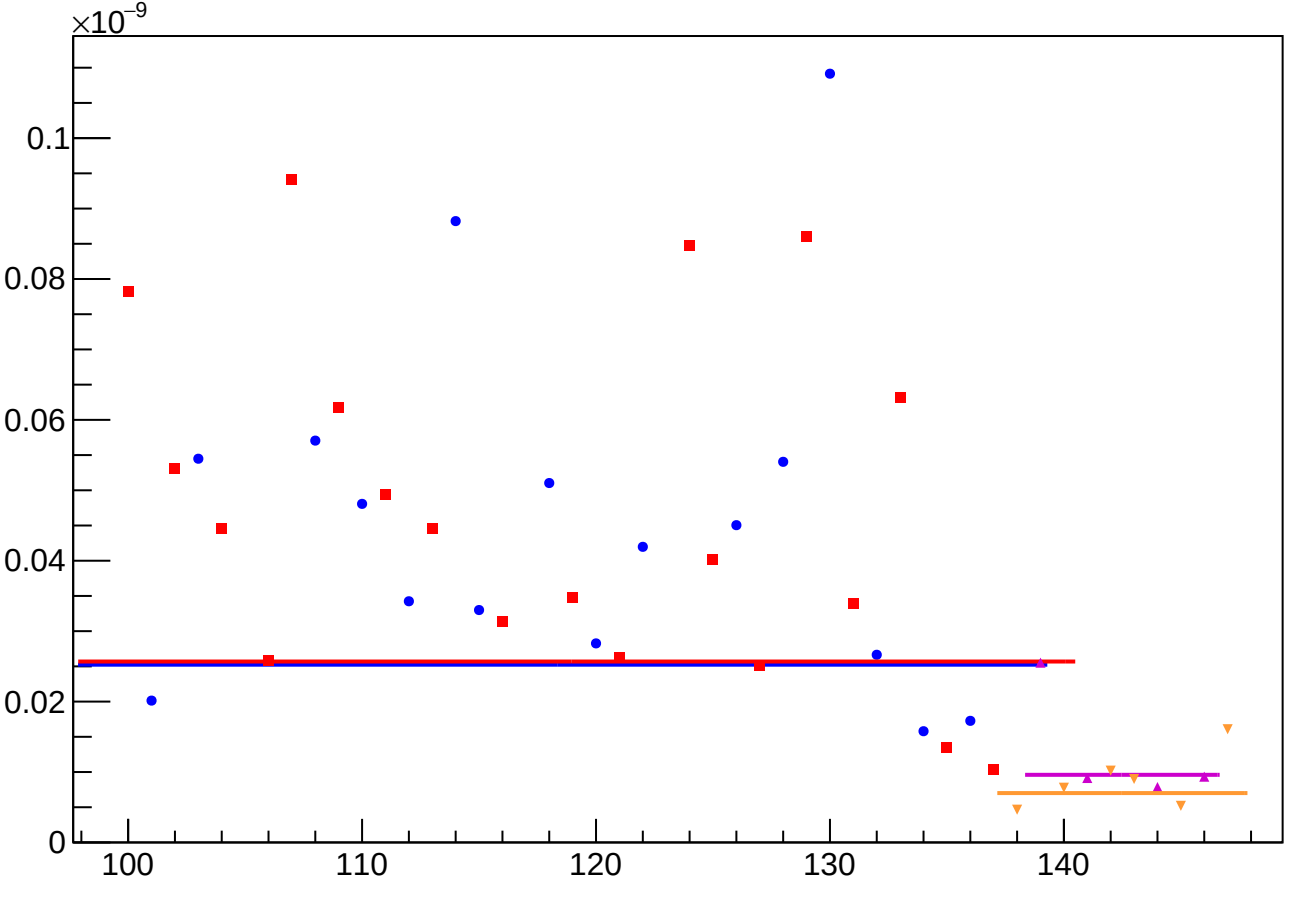
Left: -0.000+/-0.000 χ^2/NDF: 18.8/9

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:31.1/19

Out: 0.000+/-0.000 χ^2/NDF:27.0/24

All: -0.000+/-0.000 χ^2/NDF: 59.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:624505.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:554210.0/3

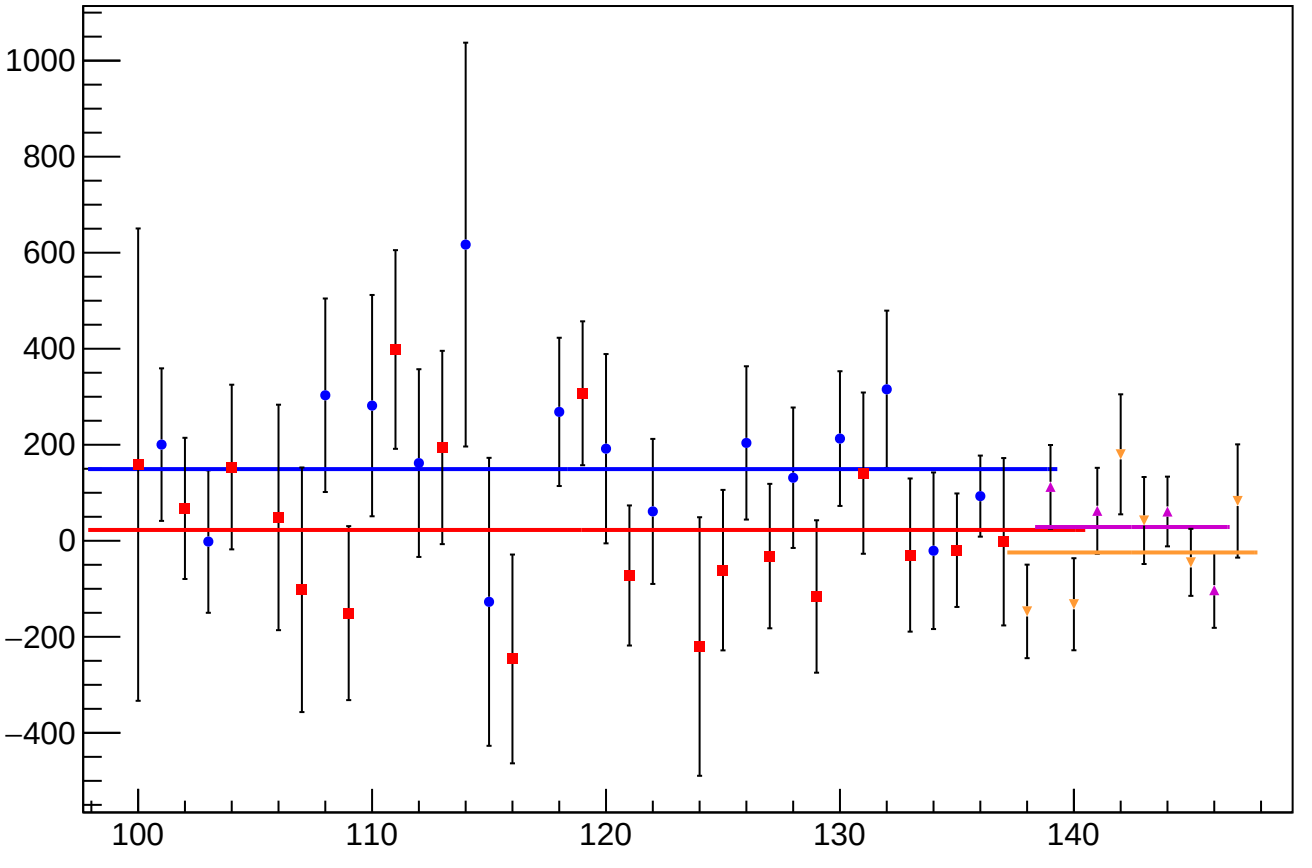
Left: 0.000+/-0.000 χ^2/NDF: 1348002.5/9

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4732860.5/19

Out: 0.000+/-0.000 χ^2/NDF:6443948.4/24

All: 0.000+/-0.000 χ^2/NDF: 11724702.8/44



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -24.336+/-38.421 χ^2/NDF:7.0/5

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 28.698+/-40.538 χ^2/NDF:4.1/3

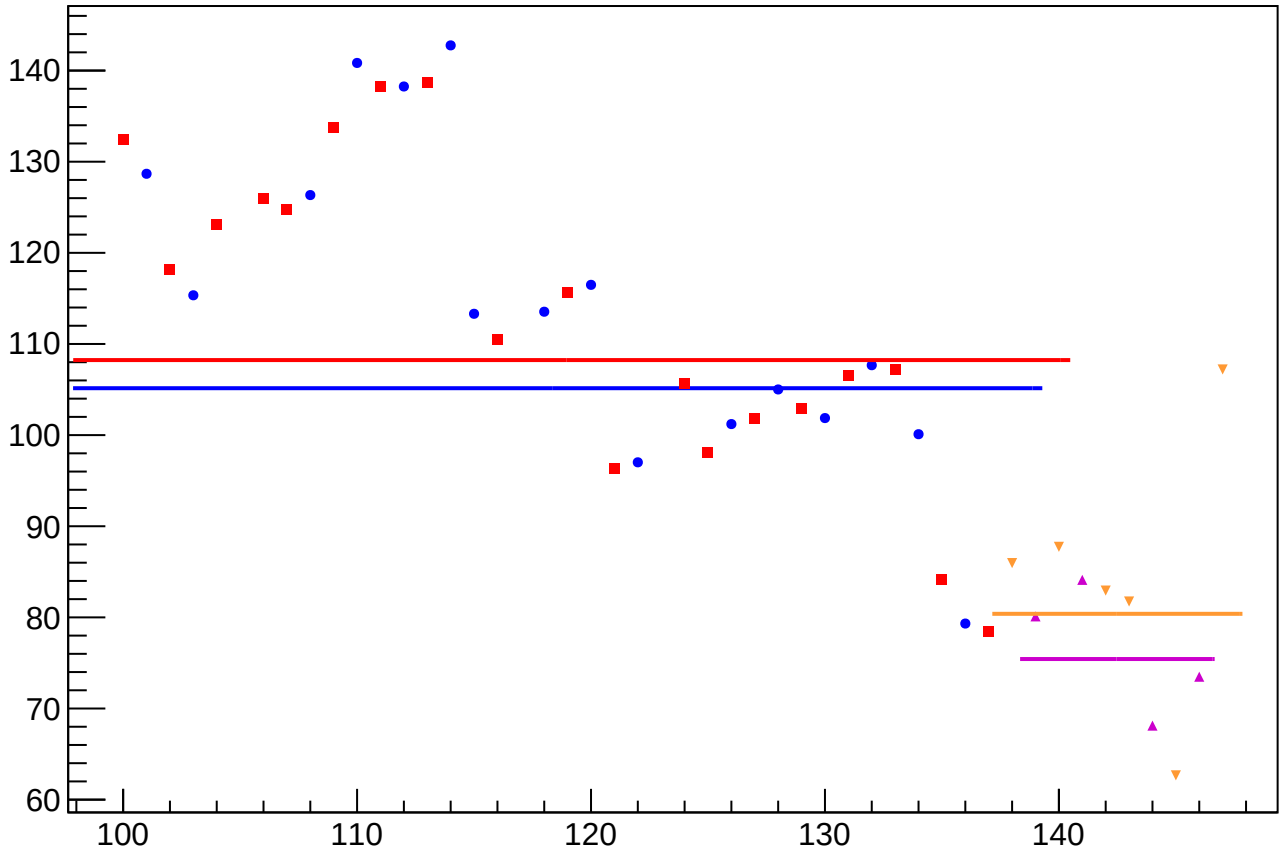
Left: 0.761+/-27.886 χ^2/NDF: 12.0/9

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 90.279+/-28.359 χ^2/NDF:16.6/19

Out: -1.896+/-27.743 χ^2/NDF:21.9/24

All: 43.179+/-19.831 χ^2/NDF: 43.9/44



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 80.391+/-0.027 χ^2/NDF:252037.3/5

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

Left: 78.043+/-0.020 χ^2/NDF: 313901.7/9

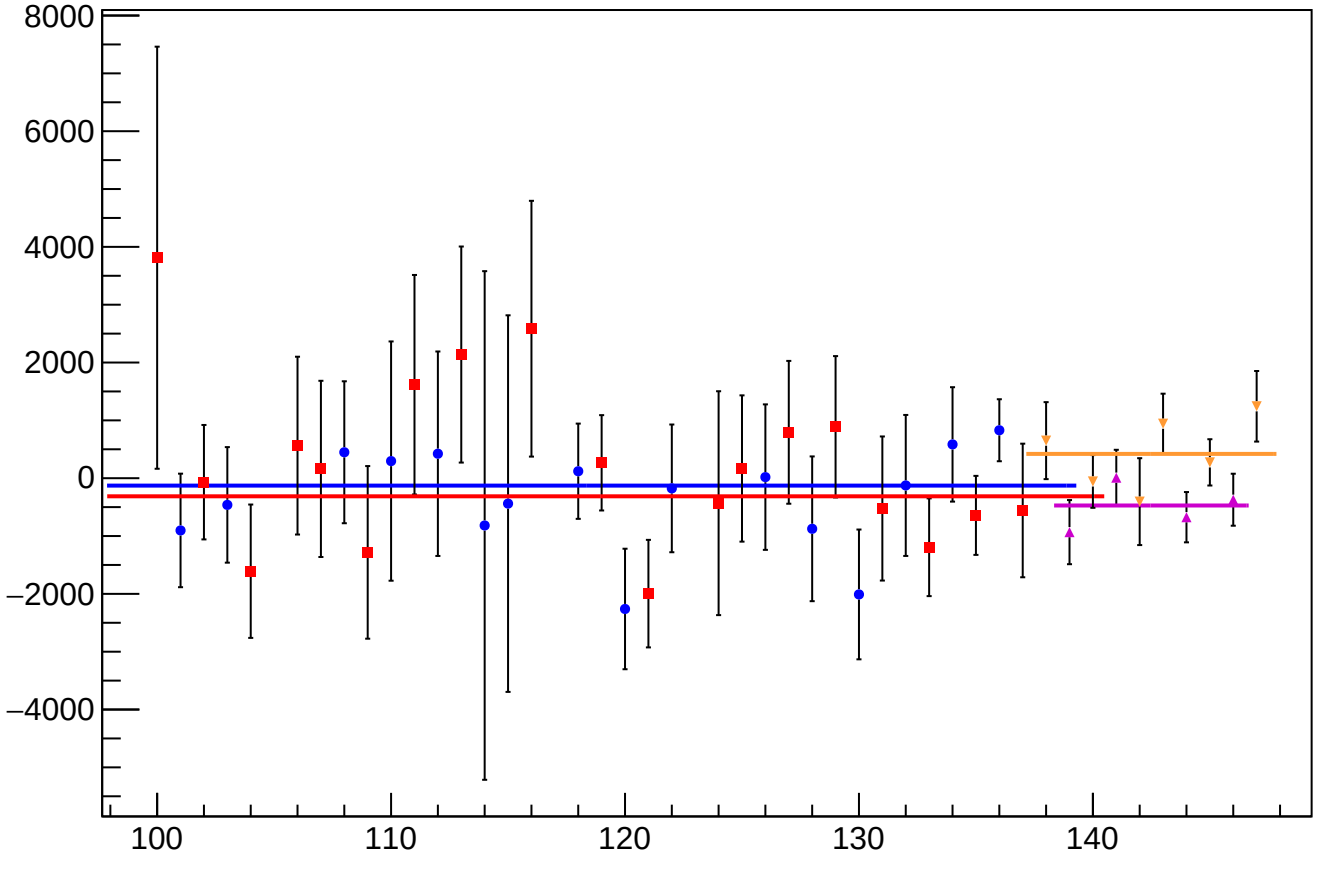
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.603+/-0.020 χ^2/NDF:1003262.0/19

Out: 93.717+/-0.020 χ^2/NDF:1104641.7/24

All: 92.194+/-0.014 χ^2/NDF: 2120224.0/44

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: 420.144+/-215.762 χ^2/NDF:5.4/5

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -471.960+/-237.018 χ^2/NDF:2.0/3

Left: 15.881+/-159.553 χ^2/NDF: 15.1/9

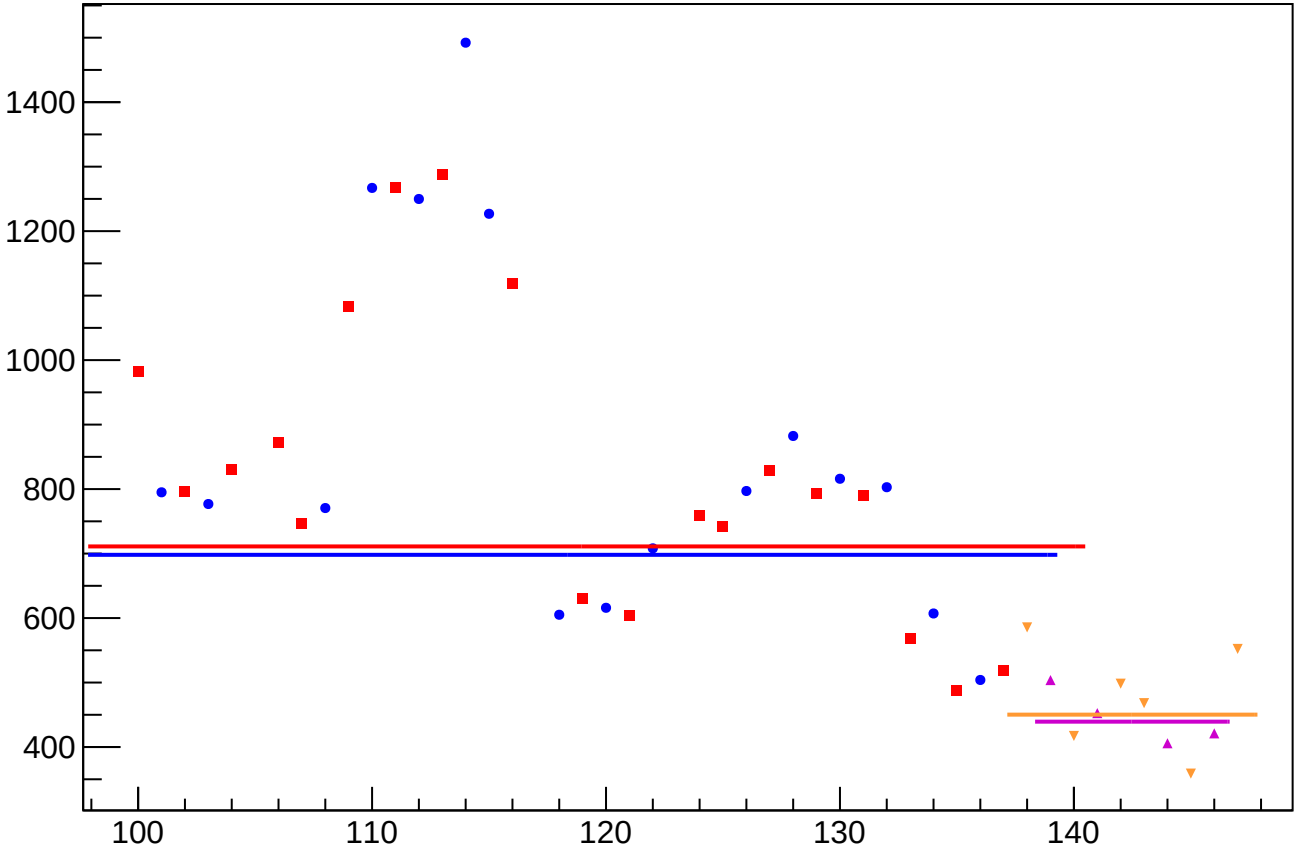
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -321.413+/-177.722 χ^2/NDF:15.2/19

Out: 134.581+/-168.586 χ^2/NDF:24.9/24

All: -81.394+/-122.311 χ^2/NDF: 43.5/44

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 450.233+/-0.153 χ^2/NDF:263846.6/5

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 439.345+/-0.168 χ^2/NDF:43673.8/3

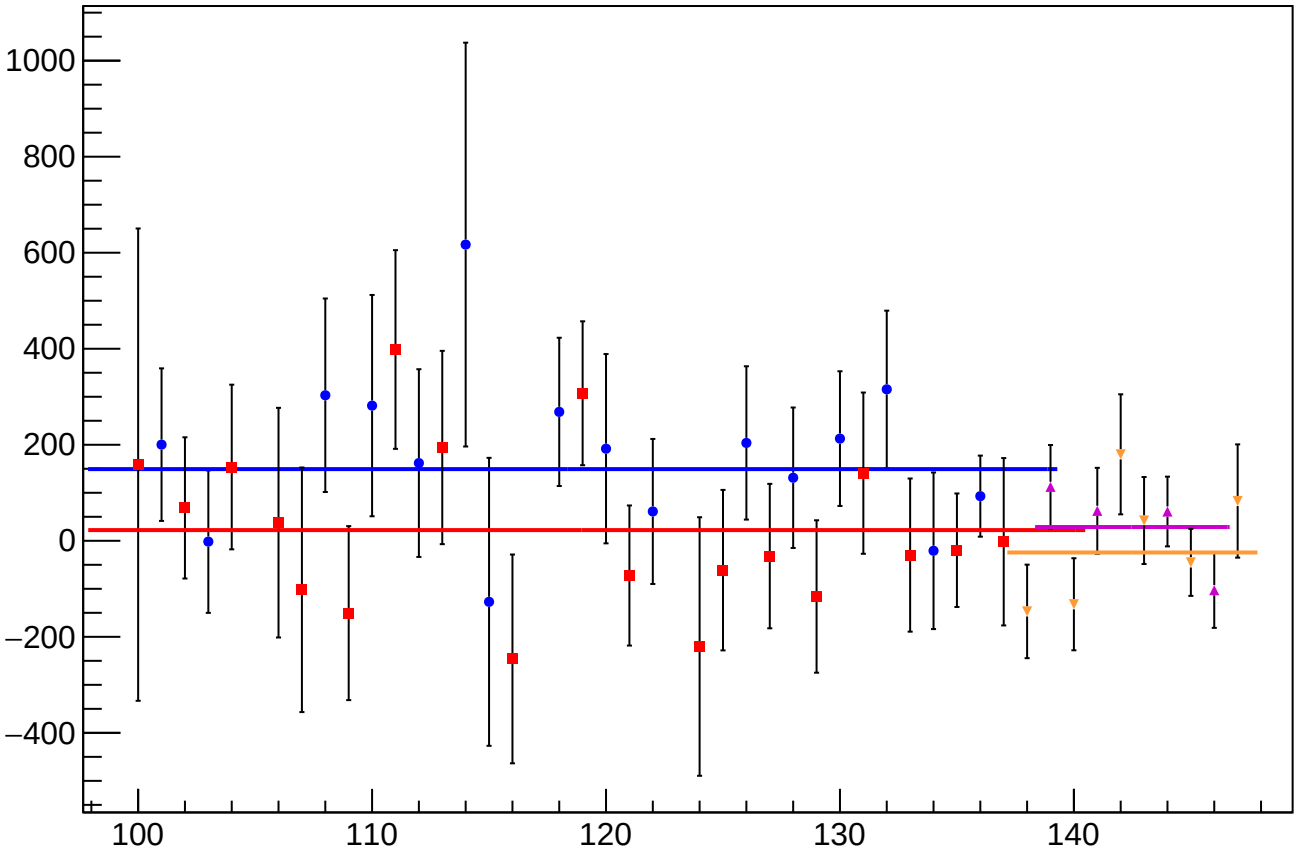
Left: 445.299+/-0.113 χ^2/NDF: 309828.4/9

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 552.598+/-0.126 χ^2/NDF:1999631.1/19

Out: 551.833+/-0.119 χ^2/NDF:2437566.4/24

All: 552.195+/-0.086 χ^2/NDF: 4437217.0/44



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -24.346+/-38.421 χ^2/NDF:7.0/5

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 28.695+/-40.538 χ^2/NDF:4.1/3

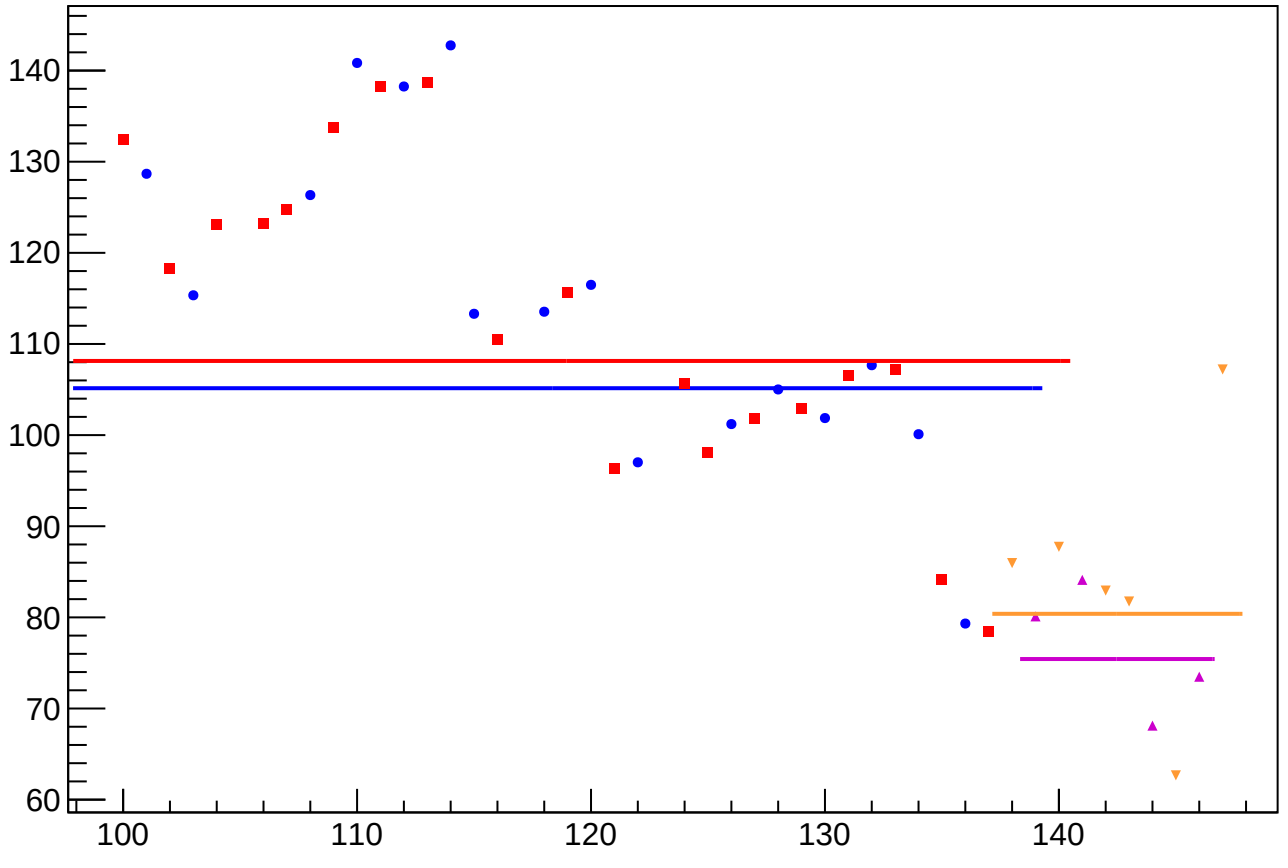
Left: 0.754+/-27.886 χ^2/NDF: 12.0/9

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 90.273+/-28.359 χ^2/NDF:16.6/19

Out: -2.034+/-27.750 χ^2/NDF:21.9/24

All: 43.118+/-19.834 χ^2/NDF: 43.9/44



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 80.391+/-0.027 χ^2/NDF:252037.2/5

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

Left: 78.043+/-0.020 χ^2/NDF: 313901.7/9

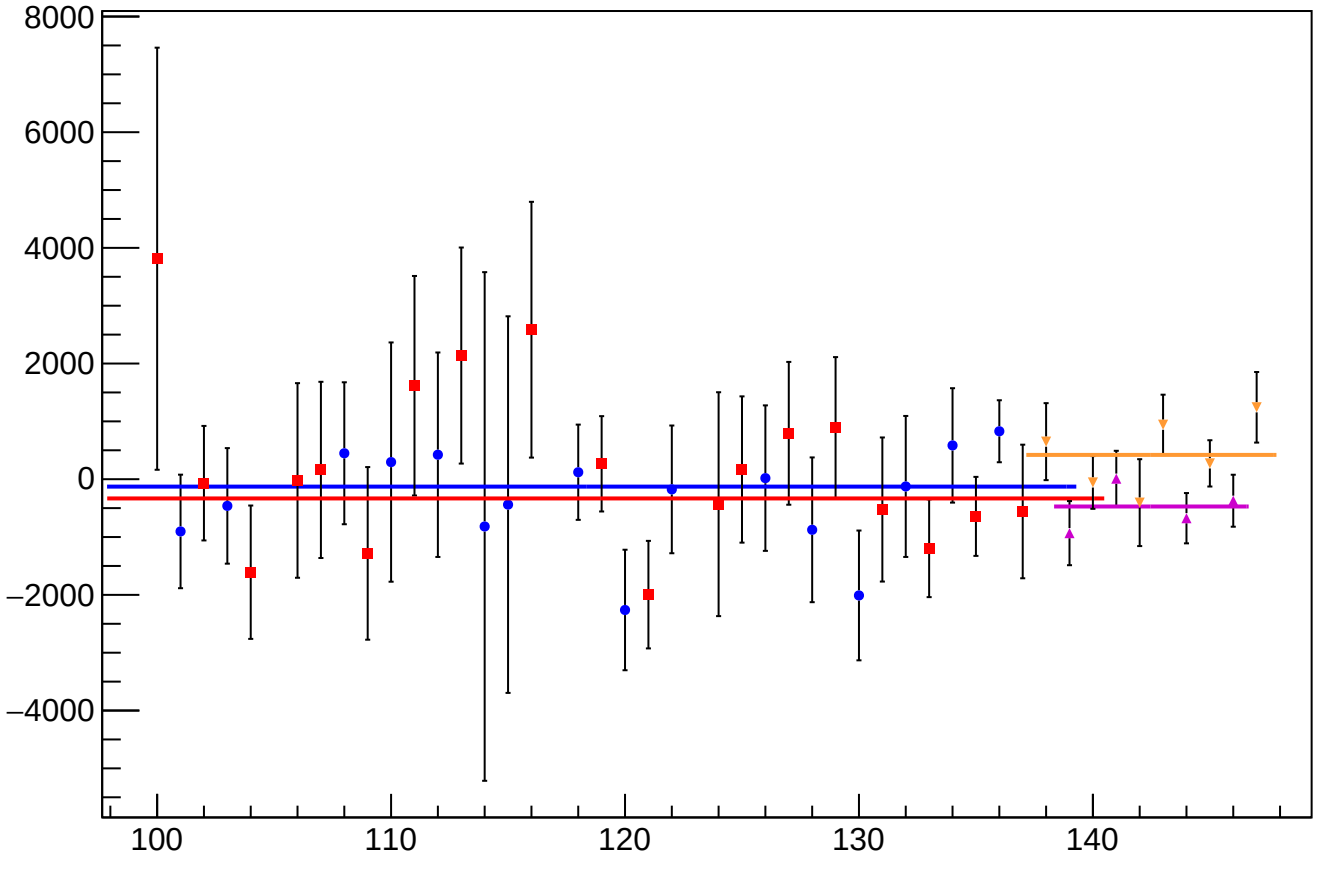
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.603+/-0.020 χ^2/NDF:1003262.4/19

Out: 93.663+/-0.020 χ^2/NDF:1097266.5/24

All: 92.166+/-0.014 χ^2/NDF: 2112424.3/44

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 420.136+/-215.762 χ^2/NDF:5.4/5

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -471.964+/-237.018 χ^2/NDF:2.0/3

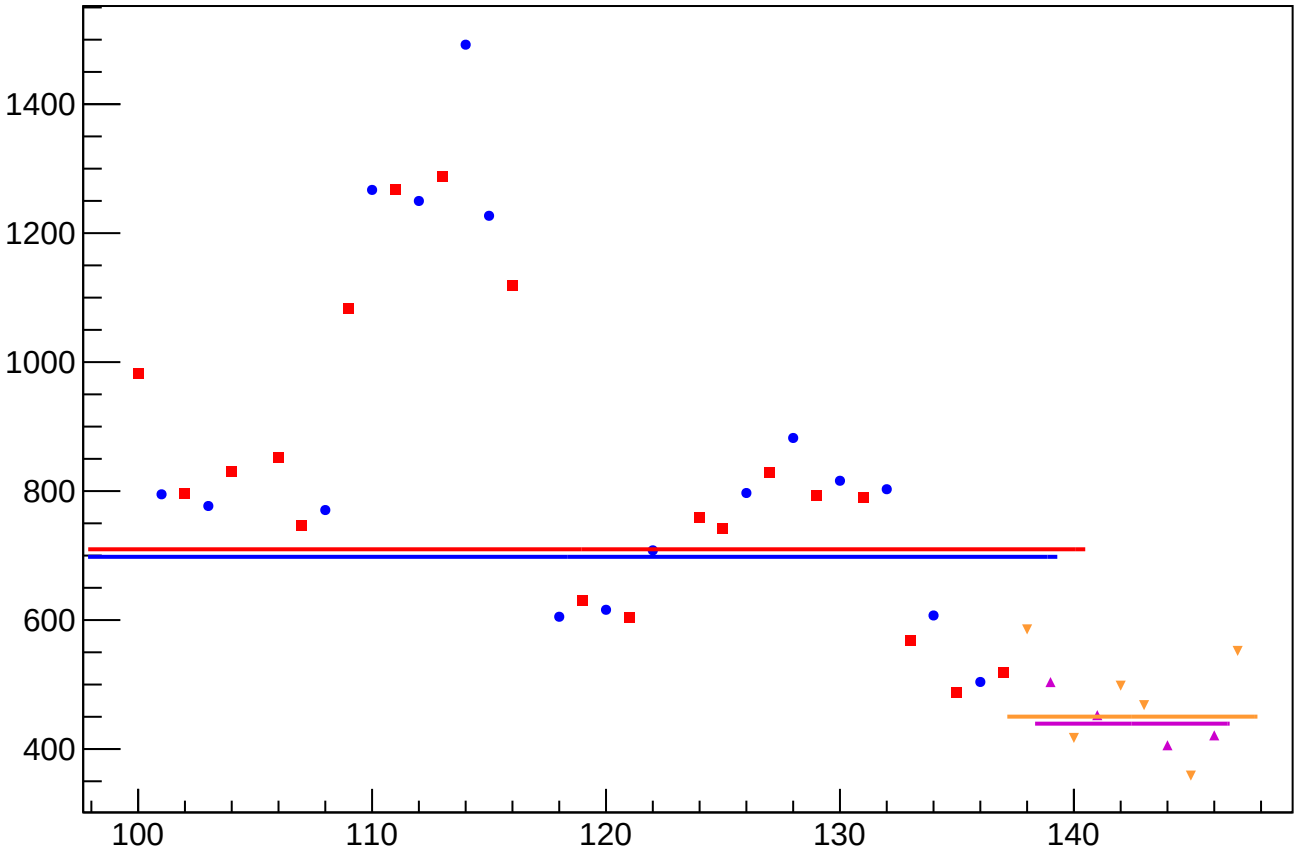
Left: 15.875+/-159.553 χ^2/NDF: 15.1/9

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -321.411+/-177.722 χ^2/NDF:15.2/19

Out: 127.861+/-168.757 χ^2/NDF:24.8/24

All: -85.157+/-122.376 χ^2/NDF: 43.3/44



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 450.233+/-0.153 χ^2/NDF:263849.0/5

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 439.345+/-0.168 χ^2/NDF:43673.4/3

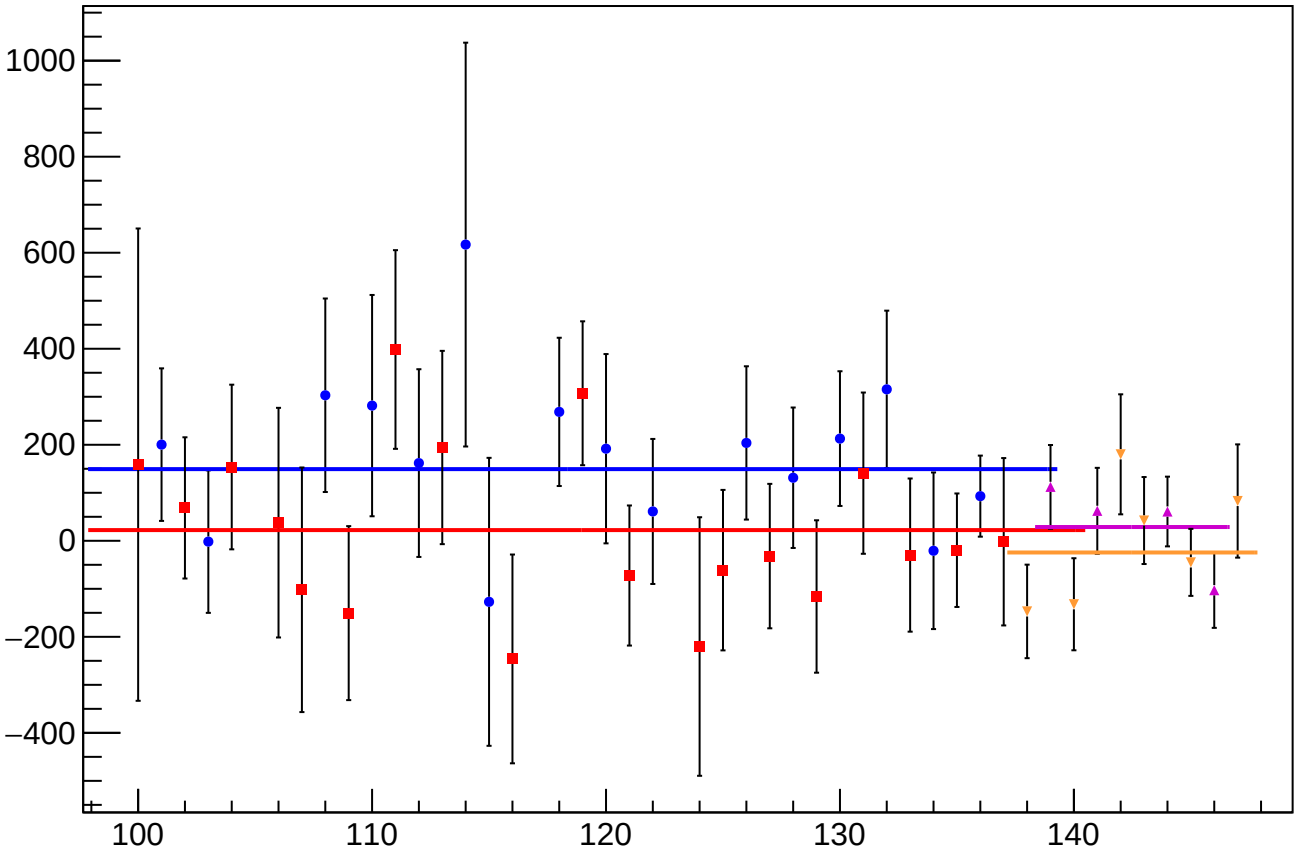
Left: 445.299+/-0.113 χ^2/NDF: 309830.3/9

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 552.598+/-0.126 χ^2/NDF:1999641.1/19

Out: 550.990+/-0.119 χ^2/NDF:2414323.2/24

All: 551.752+/-0.087 χ^2/NDF: 4414050.4/44



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -24.346+/-38.421 χ^2/NDF:7.0/5

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 28.695+/-40.538 χ^2/NDF:4.1/3

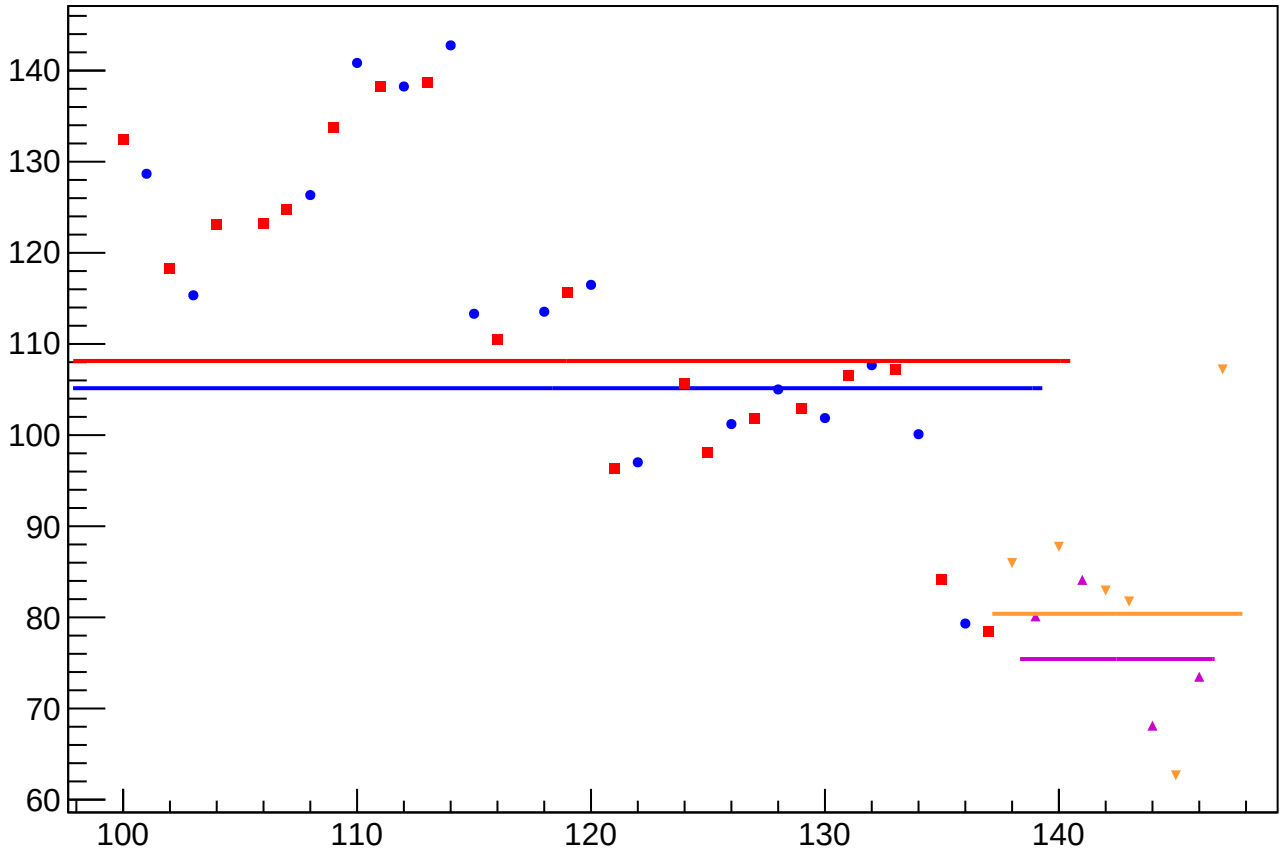
Left: 0.754+/-27.886 χ^2/NDF: 12.0/9

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 90.273+/-28.359 χ^2/NDF:16.6/19

Out: -2.034+/-27.750 χ^2/NDF:21.9/24

All: 43.118+/-19.834 χ^2/NDF: 43.9/44



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 80.391+/-0.027 χ^2/NDF:252037.2/5

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 75.430+/-0.029 χ^2/NDF:46084.6/3

Left: 78.043+/-0.020 χ^2/NDF: 313901.7/9

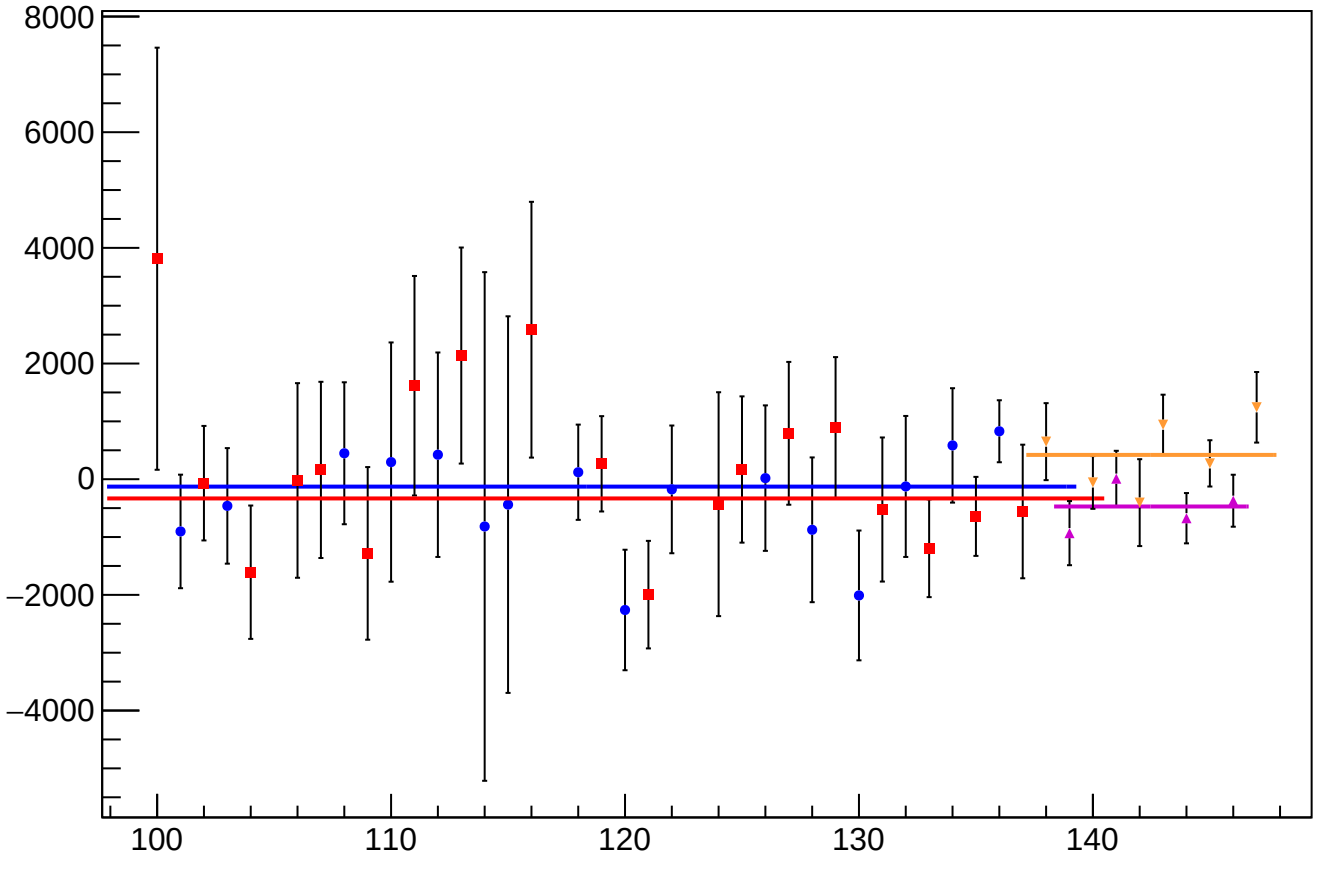
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.603+/-0.020 χ^2/NDF:1003262.4/19

Out: 93.663+/-0.020 χ^2/NDF:1097266.5/24

All: 92.166+/-0.014 χ^2/NDF: 2112424.3/44

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: 420.136+/-215.762 χ^2/NDF:5.4/5

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -471.964+/-237.018 χ^2/NDF:2.0/3

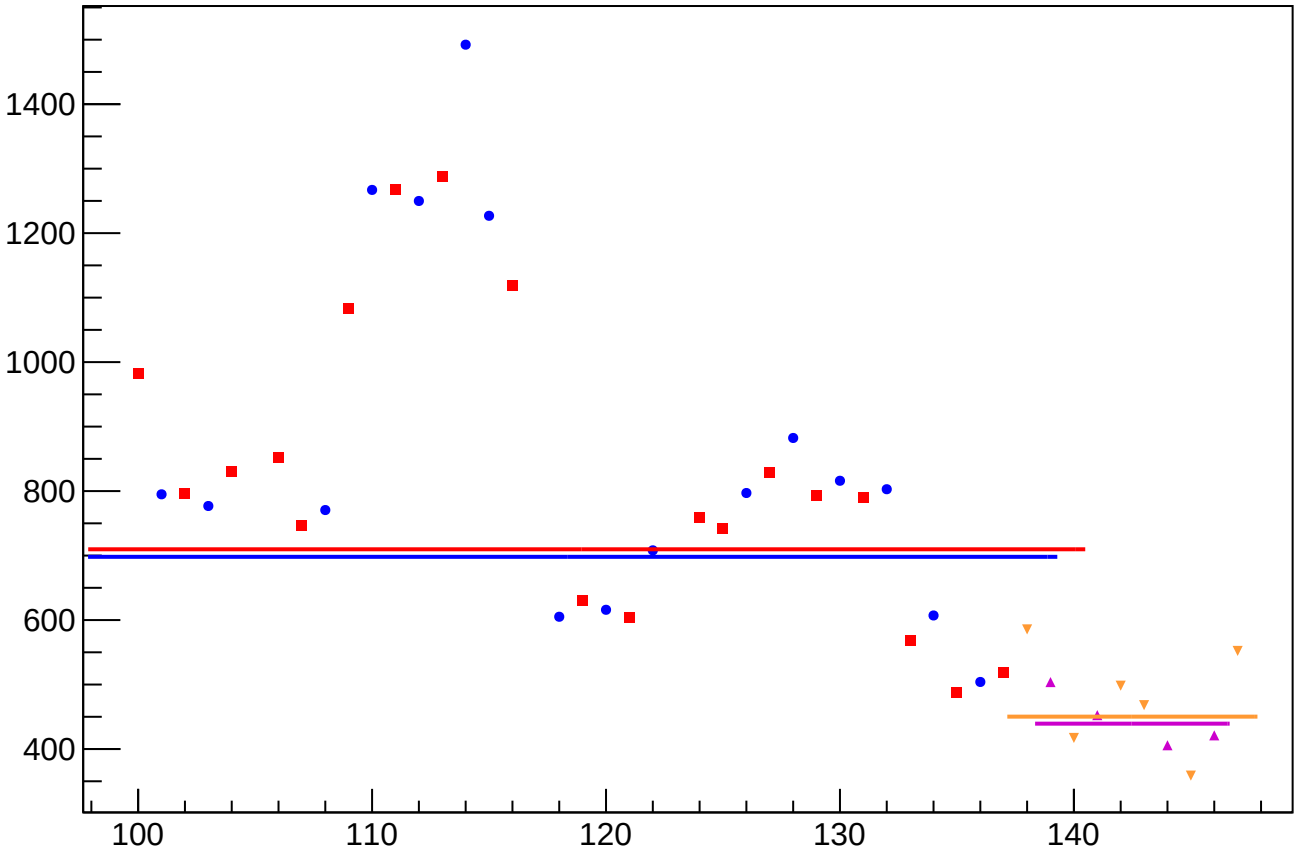
Left: 15.875+/-159.553 χ^2/NDF: 15.1/9

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -321.411+/-177.722 χ^2/NDF:15.2/19

Out: 127.861+/-168.757 χ^2/NDF:24.8/24

All: -85.157+/-122.376 χ^2/NDF: 43.3/44



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 450.233+/-0.153 χ^2/NDF:263849.0/5

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 439.345+/-0.168 χ^2/NDF:43673.4/3

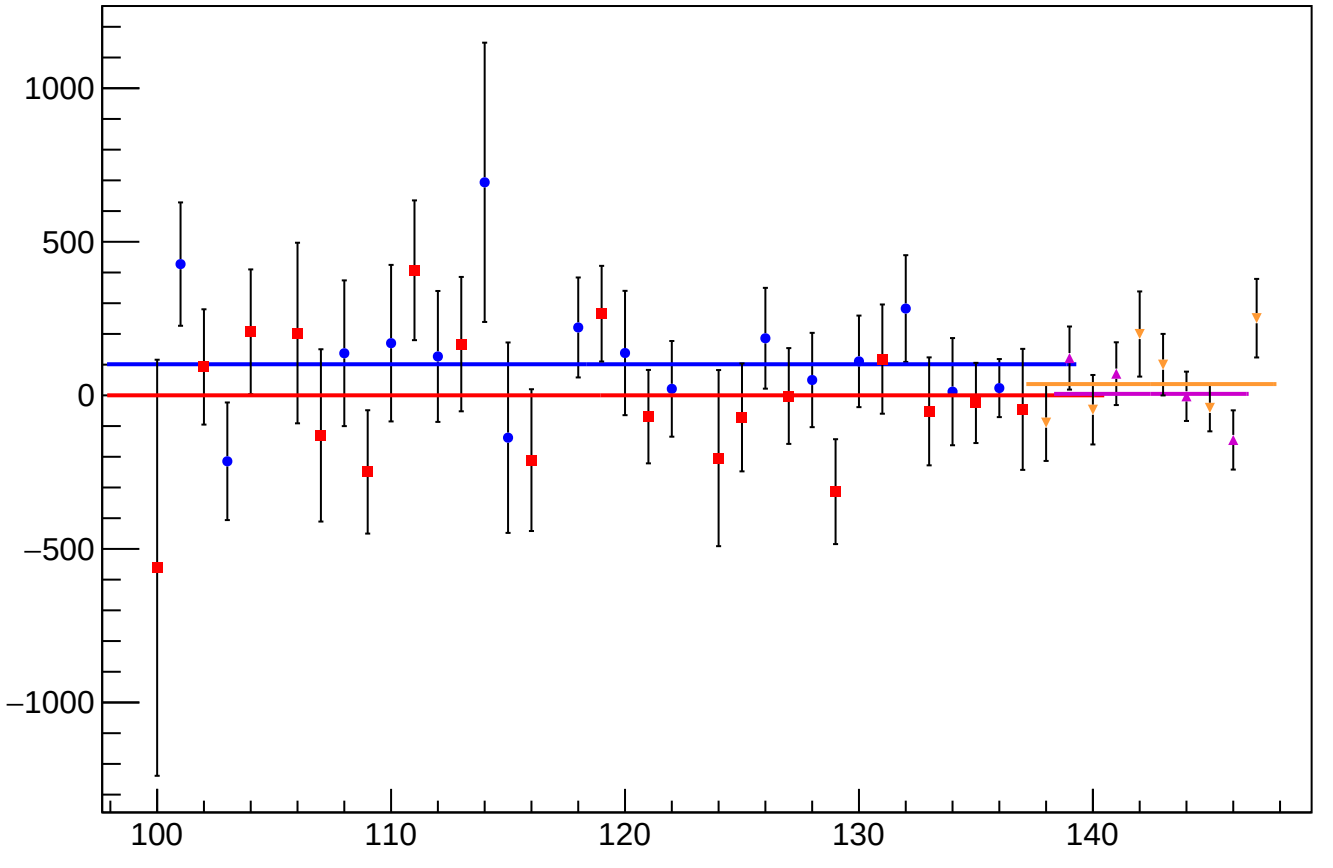
Left: 445.299+/-0.113 χ^2/NDF: 309830.3/9

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 552.598+/-0.126 χ^2/NDF:1999641.1/19

Out: 550.990+/-0.119 χ^2/NDF:2414323.2/24

All: 551.752+/-0.087 χ^2/NDF: 4414050.4/44



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 36.724+/-43.576 χ^2/NDF:7.2/5

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 4.825+/-46.983 χ^2/NDF:4.1/3

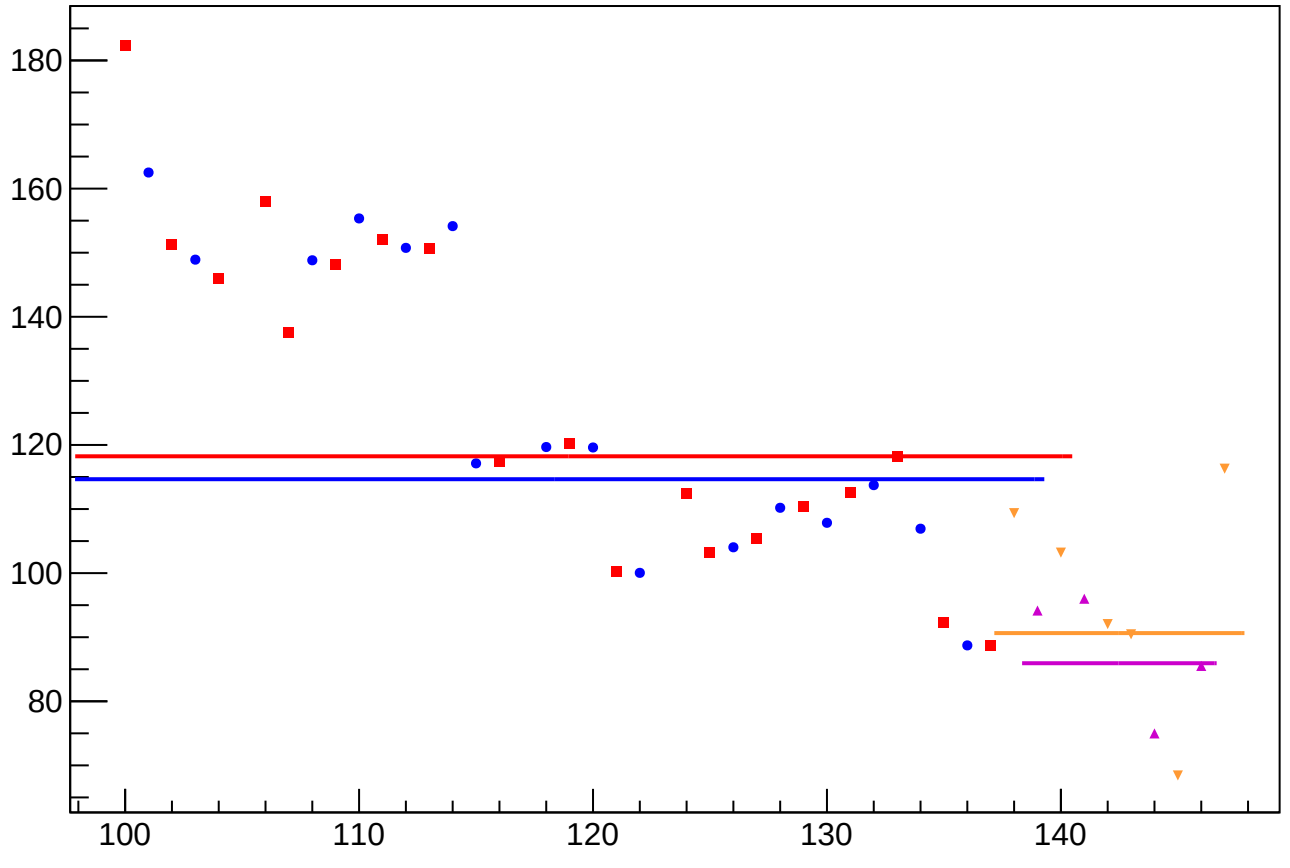
Left: 21.973+/-31.950 χ^2/NDF: 11.6/9

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 56.750+/-31.923 χ^2/NDF:17.4/19

Out: 18.616+/-30.974 χ^2/NDF:24.1/24

All: 37.107+/-22.230 χ^2/NDF: 42.3/44



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 90.642+/-0.031 χ^2/NDF:319508.6/5

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 85.941+/-0.033 χ^2/NDF:69449.1/3

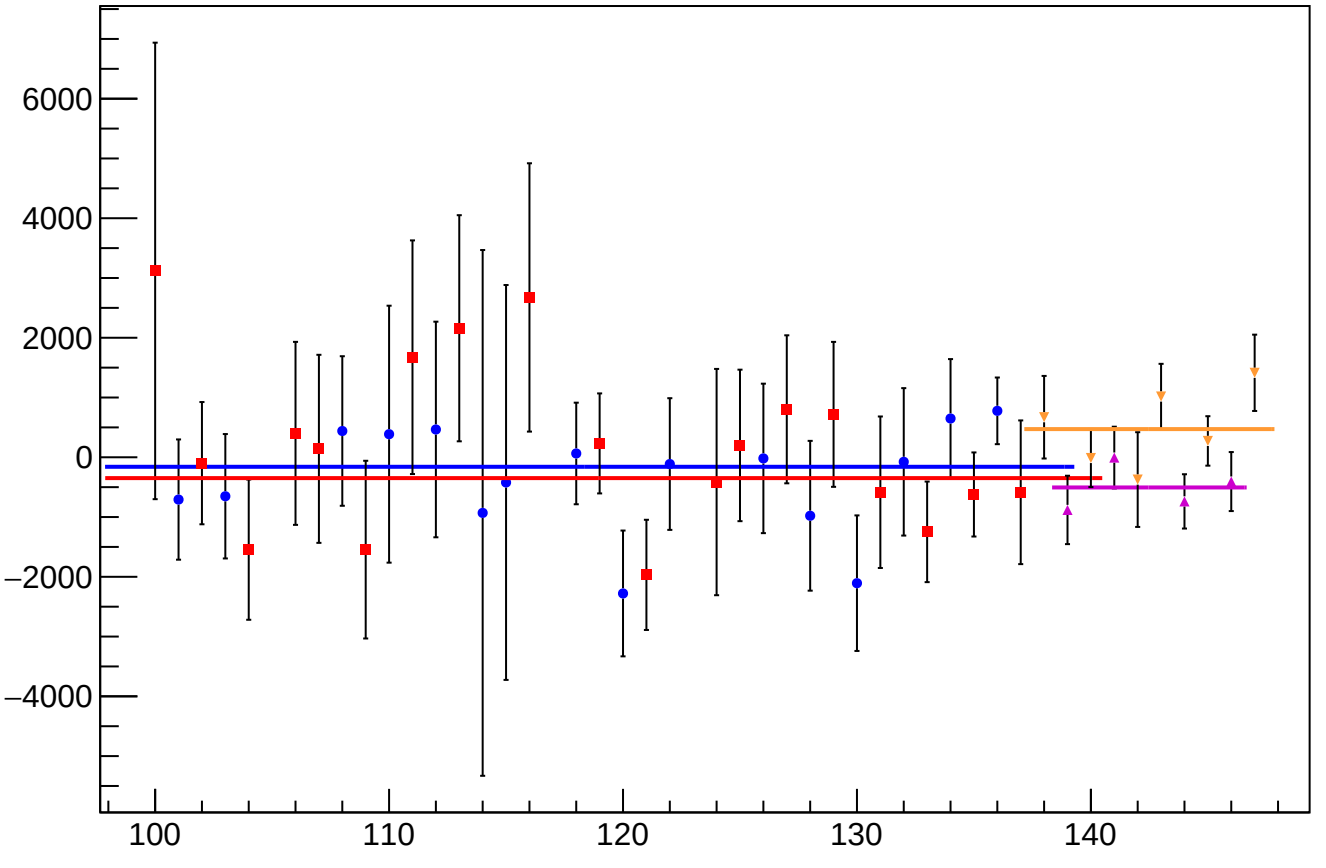
Left: 88.468+/-0.023 χ^2/NDF: 399723.4/9

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.398+/-0.023 χ^2/NDF:1003563.2/19

Out: 104.292+/-0.022 χ^2/NDF:1199547.4/24

All: 102.889+/-0.016 χ^2/NDF: 2211573.9/44



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 471.620+/-226.140 χ^2/NDF:5.6/5

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -504.969+/-251.977 χ^2/NDF:1.7/3

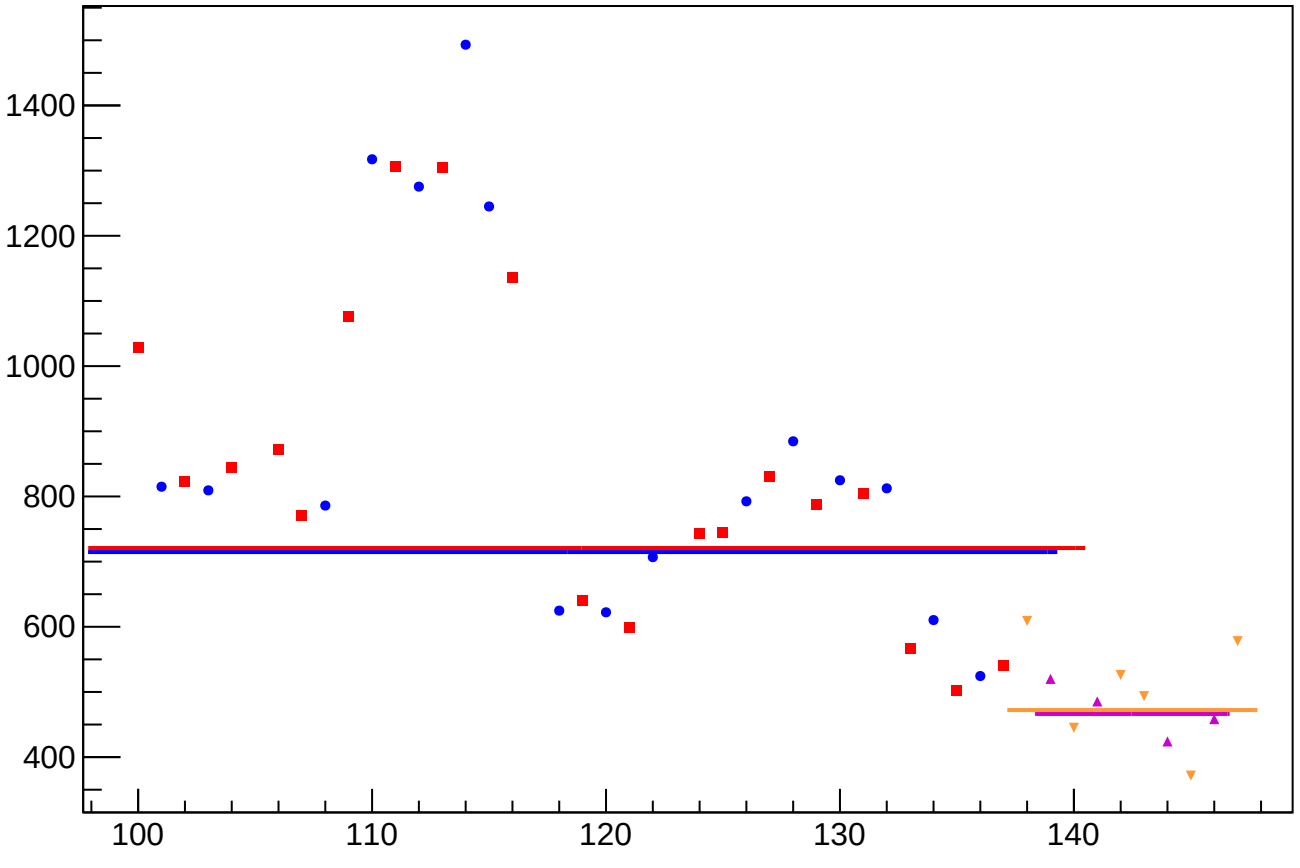
Left: 35.947+/-168.300 χ^2/NDF: 15.6/9

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -346.845+/-185.645 χ^2/NDF:14.5/19

Out: 138.733+/-174.305 χ^2/NDF:25.3/24

All: -88.774+/-127.072 χ^2/NDF: 43.4/44



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 472.216+/-0.160 χ^2/NDF:269757.0/5

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 466.234+/-0.178 χ^2/NDF:38189.3/3

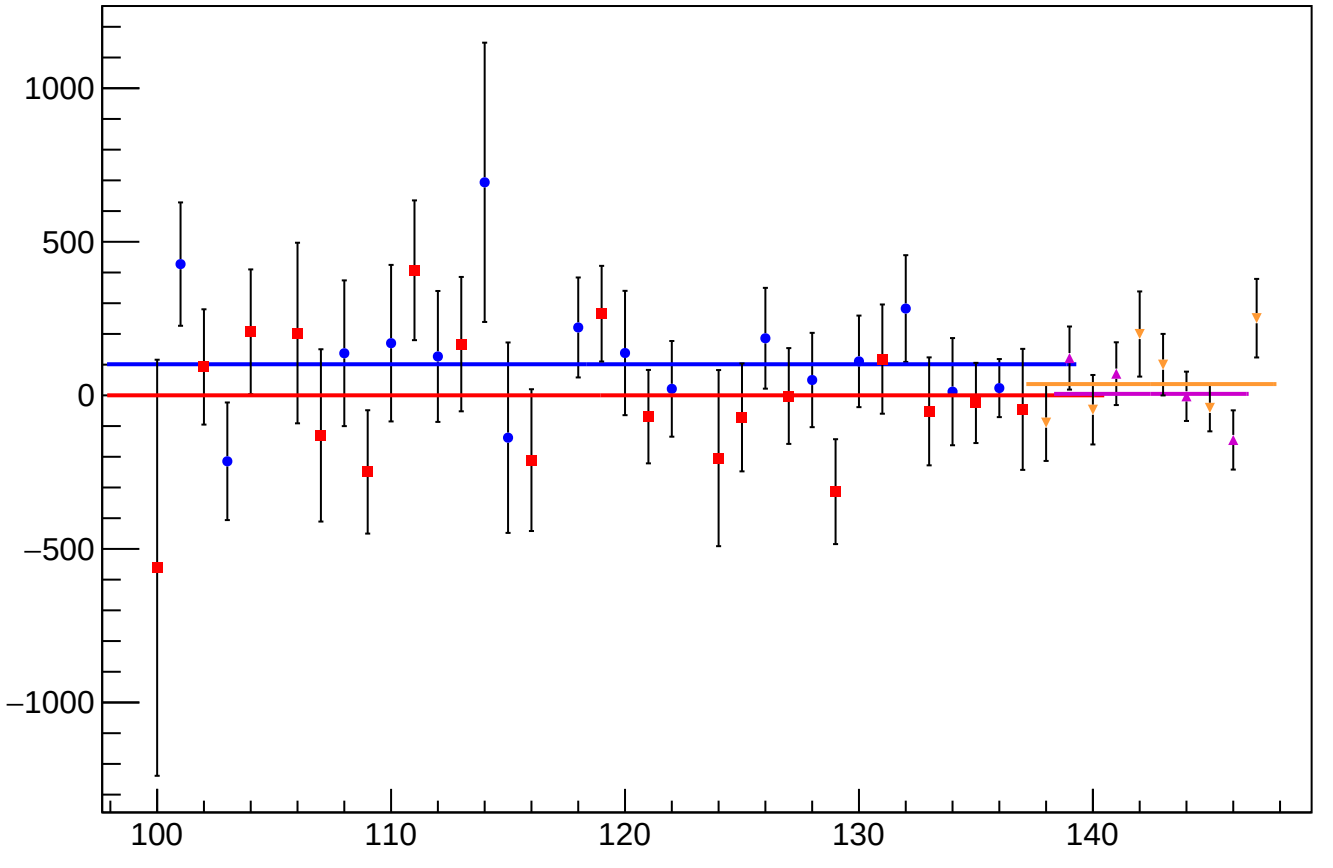
Left: 469.547+/-0.119 χ^2/NDF: 308570.6/9

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 579.816+/-0.131 χ^2/NDF:1803246.2/19

Out: 573.147+/-0.123 χ^2/NDF:2269770.6/24

All: 576.272+/-0.090 χ^2/NDF: 4074388.3/44



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 36.723+/-43.576 χ^2/NDF:7.2/5

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 4.824+/-46.983 χ^2/NDF:4.1/3

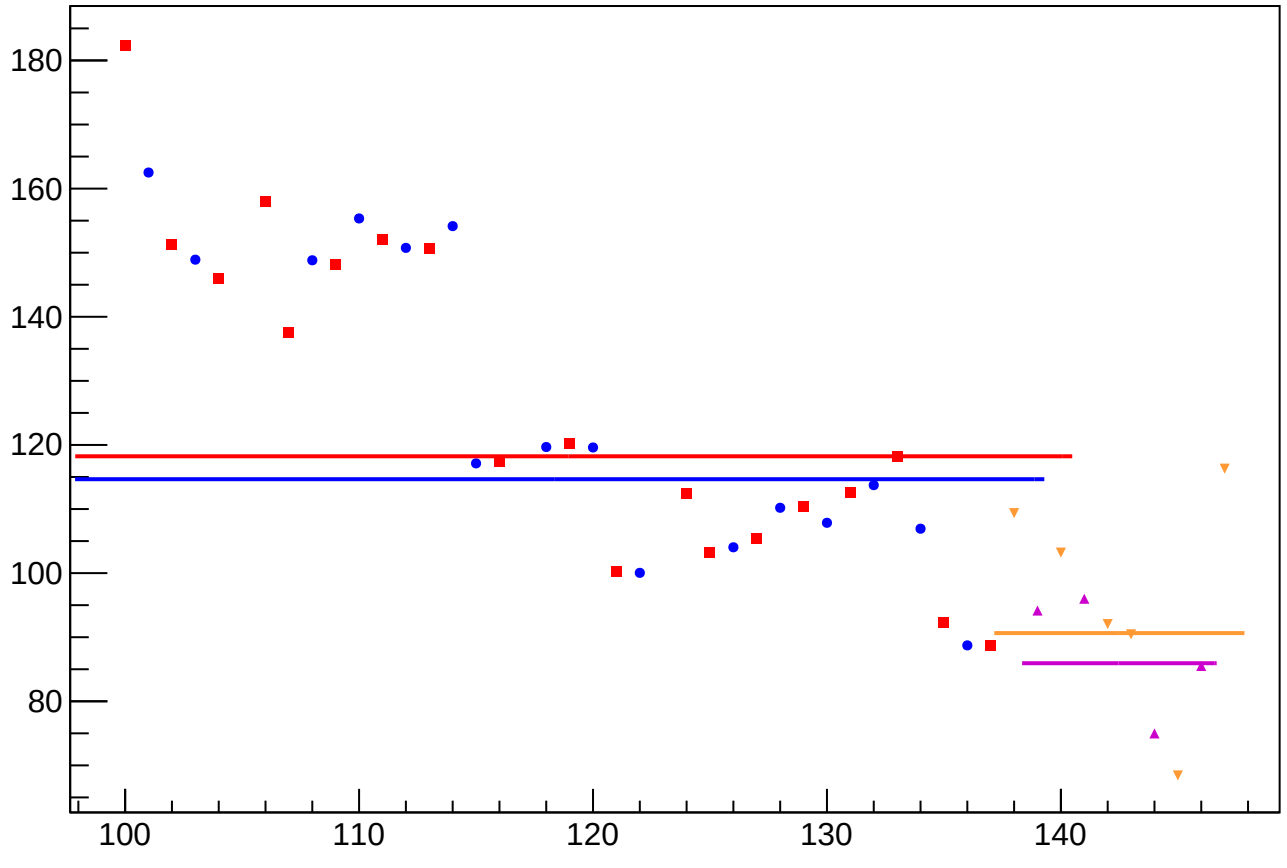
Left: 21.973+/-31.950 χ^2/NDF: 11.6/9

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 56.749+/-31.923 χ^2/NDF:17.4/19

Out: 18.616+/-30.974 χ^2/NDF:24.1/24

All: 37.107+/-22.230 χ^2/NDF: 42.3/44



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 90.642+/-0.031 χ^2/NDF:319514.4/5

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 85.941+/-0.033 χ^2/NDF:69449.7/3

Left: 88.468+/-0.023 χ^2/NDF: 399729.6/9

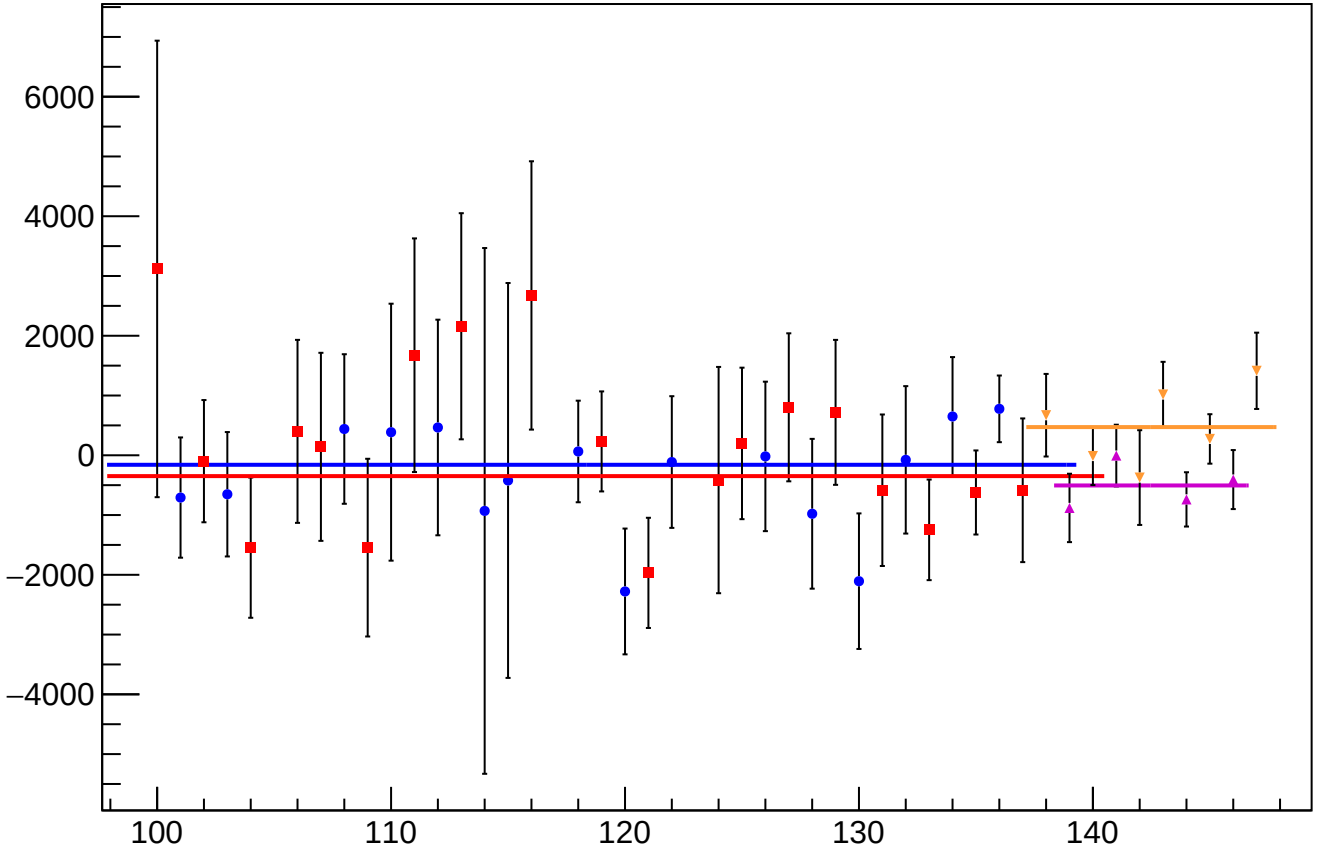
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.398+/-0.023 χ^2/NDF:1003552.1/19

Out: 104.292+/-0.022 χ^2/NDF:1199545.9/24

All: 102.889+/-0.016 χ^2/NDF: 2211560.7/44

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: 471.619+/-226.140 χ^2/NDF:5.6/5

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -504.969+/-251.977 χ^2/NDF:1.7/3

Left: 35.947+/-168.301 χ^2/NDF: 15.6/9

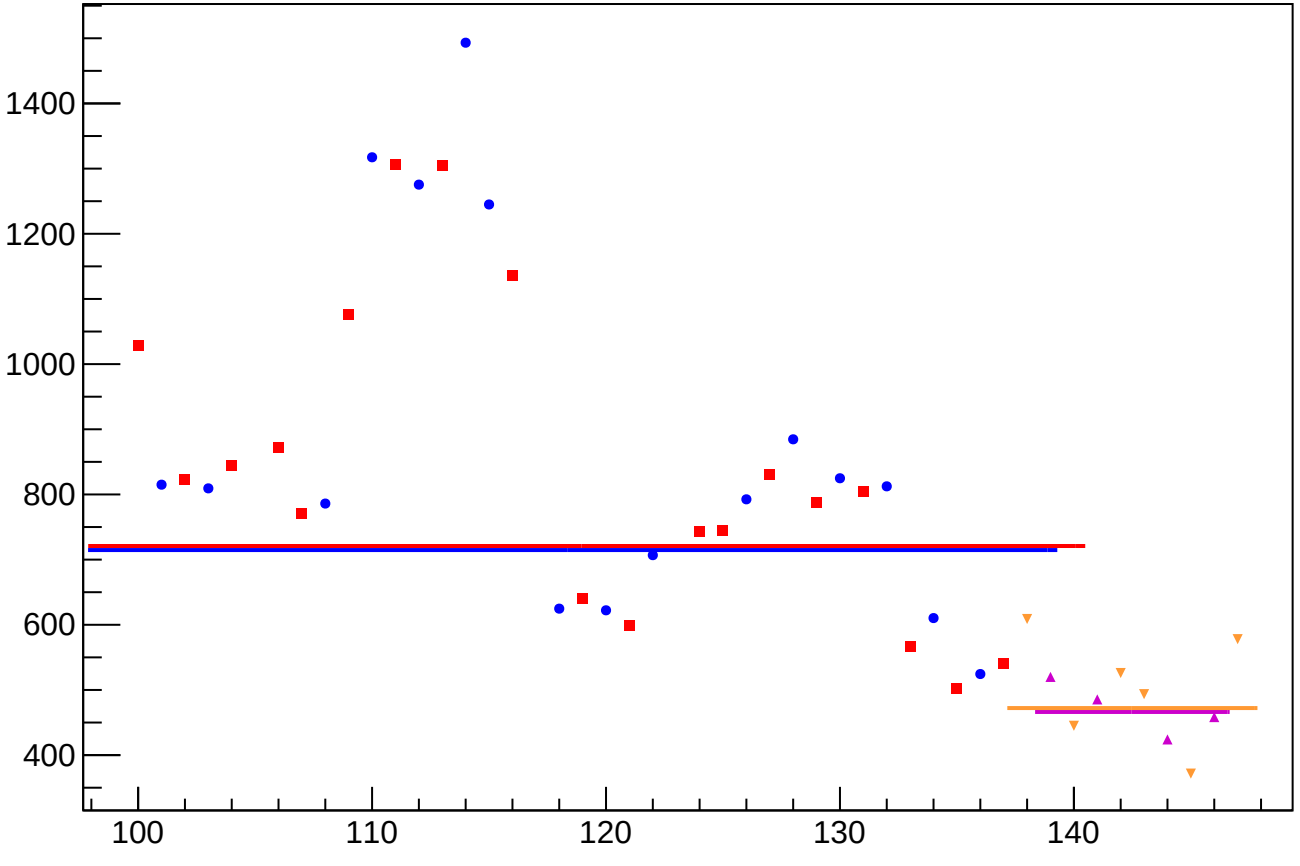
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -346.845+/-185.645 χ^2/NDF:14.5/19

Out: 138.732+/-174.305 χ^2/NDF:25.3/24

All: -88.775+/-127.072 χ^2/NDF: 43.4/44

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: 472.216+/-0.160 χ^2/NDF:269761.6/5

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 466.234+/-0.178 χ^2/NDF:38189.9/3

Left: 469.547+/-0.119 χ^2/NDF: 308575.6/9

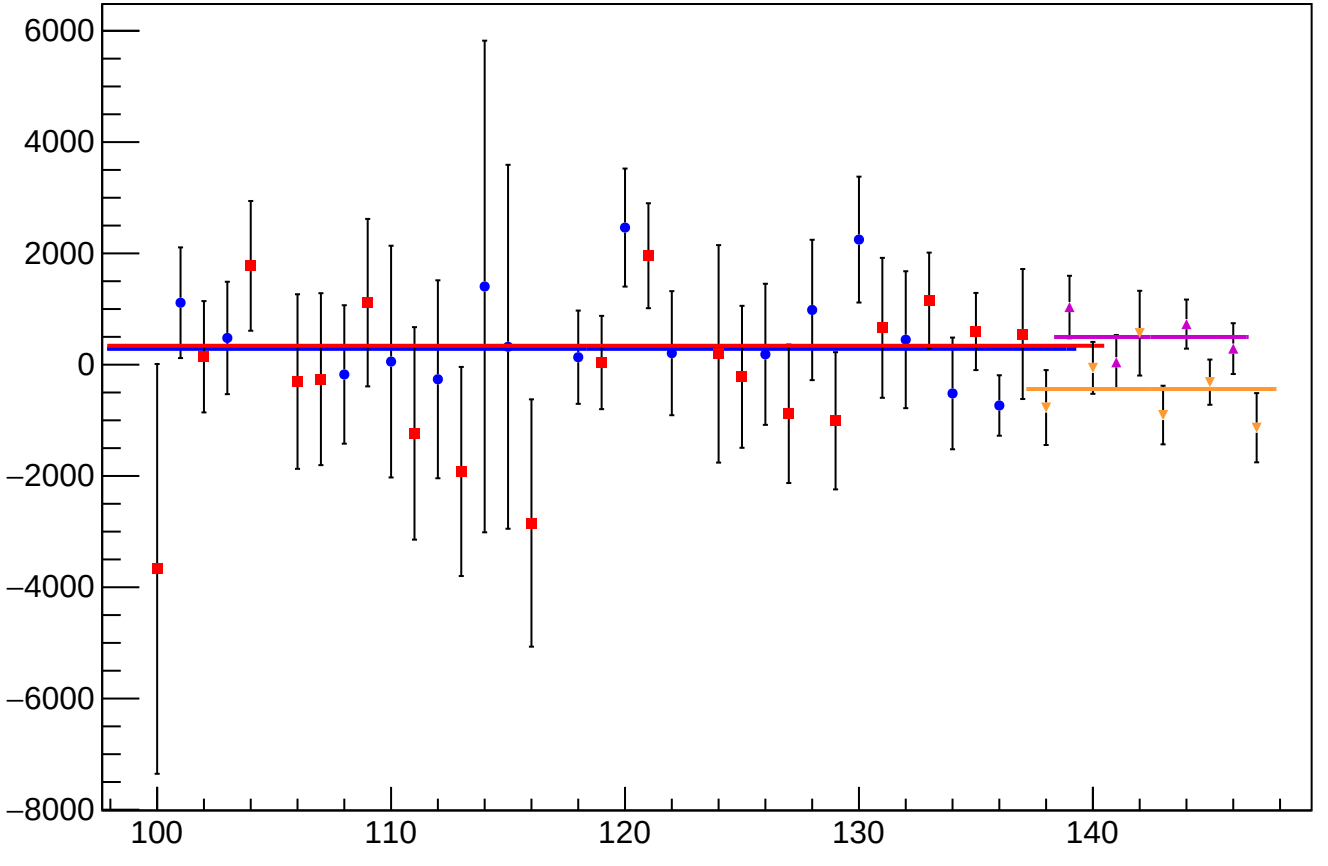
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 579.816+/-0.131 χ^2/NDF:1803239.1/19

Out: 573.147+/-0.123 χ^2/NDF:2269767.5/24

All: 576.272+/-0.090 χ^2/NDF: 4074378.2/44

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -437.216+/-219.385 χ^2/NDF:4.8/5

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 497.816+/-240.648 χ^2/NDF:2.3/3

Left: -12.827+/-162.126 χ^2/NDF: 15.3/9

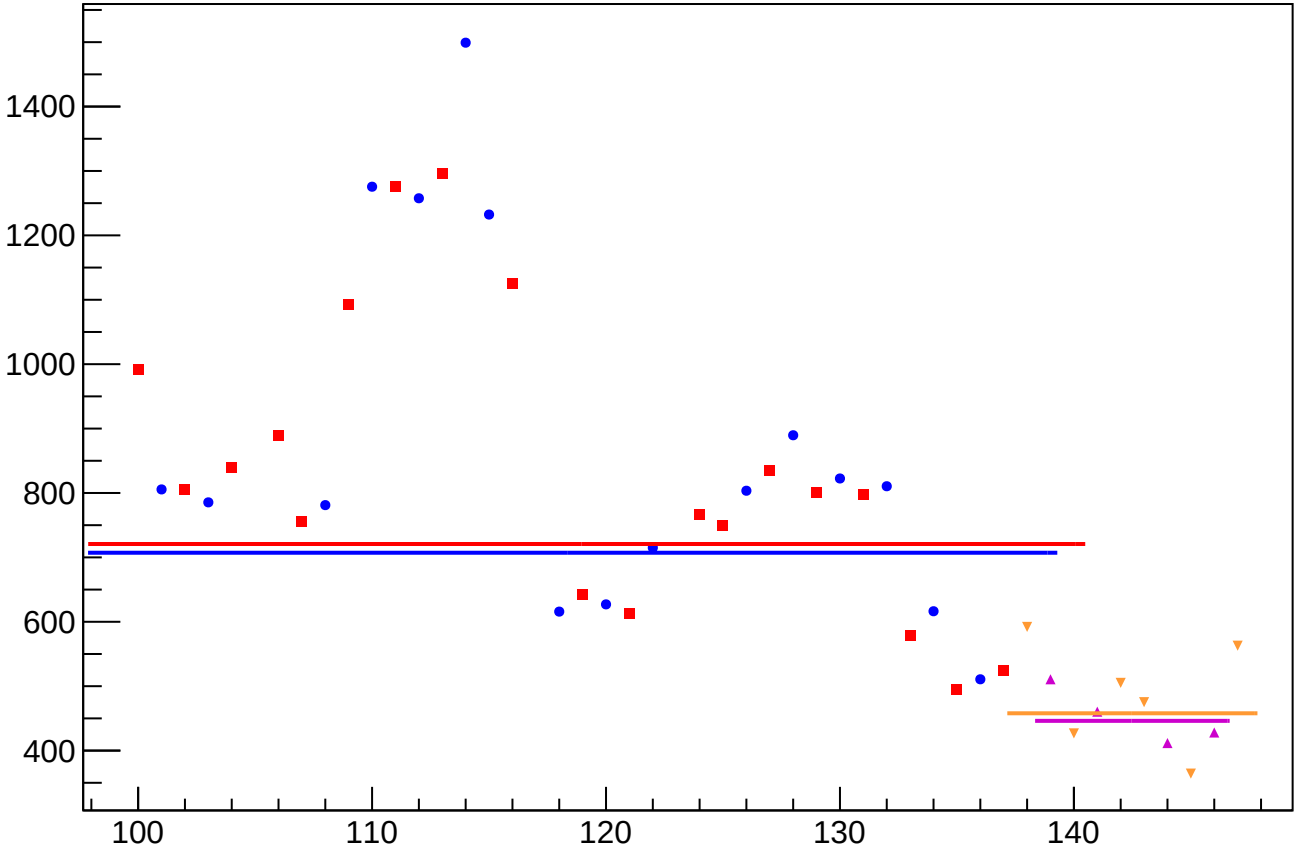
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 404.256+/-180.218 χ^2/NDF:15.4/19

Out: -133.054+/-171.157 χ^2/NDF:23.8/24

All: 121.755+/-124.106 χ^2/NDF: 43.8/44

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 457.923+/-0.155 χ^2/NDF:261516.6/5

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 446.179+/-0.170 χ^2/NDF:43463.6/3

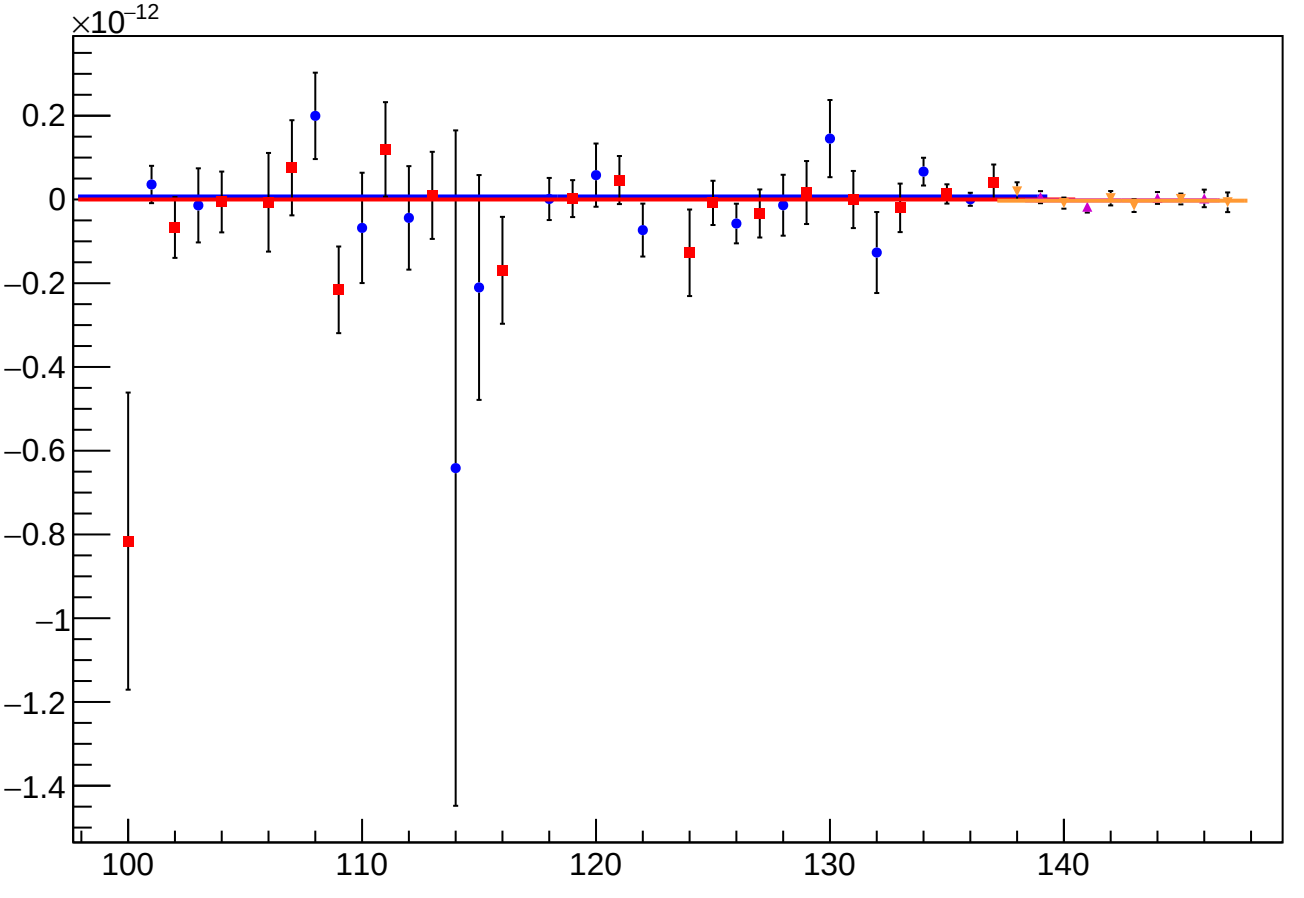
Left: 452.593+/-0.115 χ^2/NDF: 307581.8/9

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 560.816+/-0.127 χ^2/NDF:1973589.2/19

Out: 560.788+/-0.121 χ^2/NDF:2400365.3/24

All: 560.801+/-0.088 χ^2/NDF: 4373954.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/3

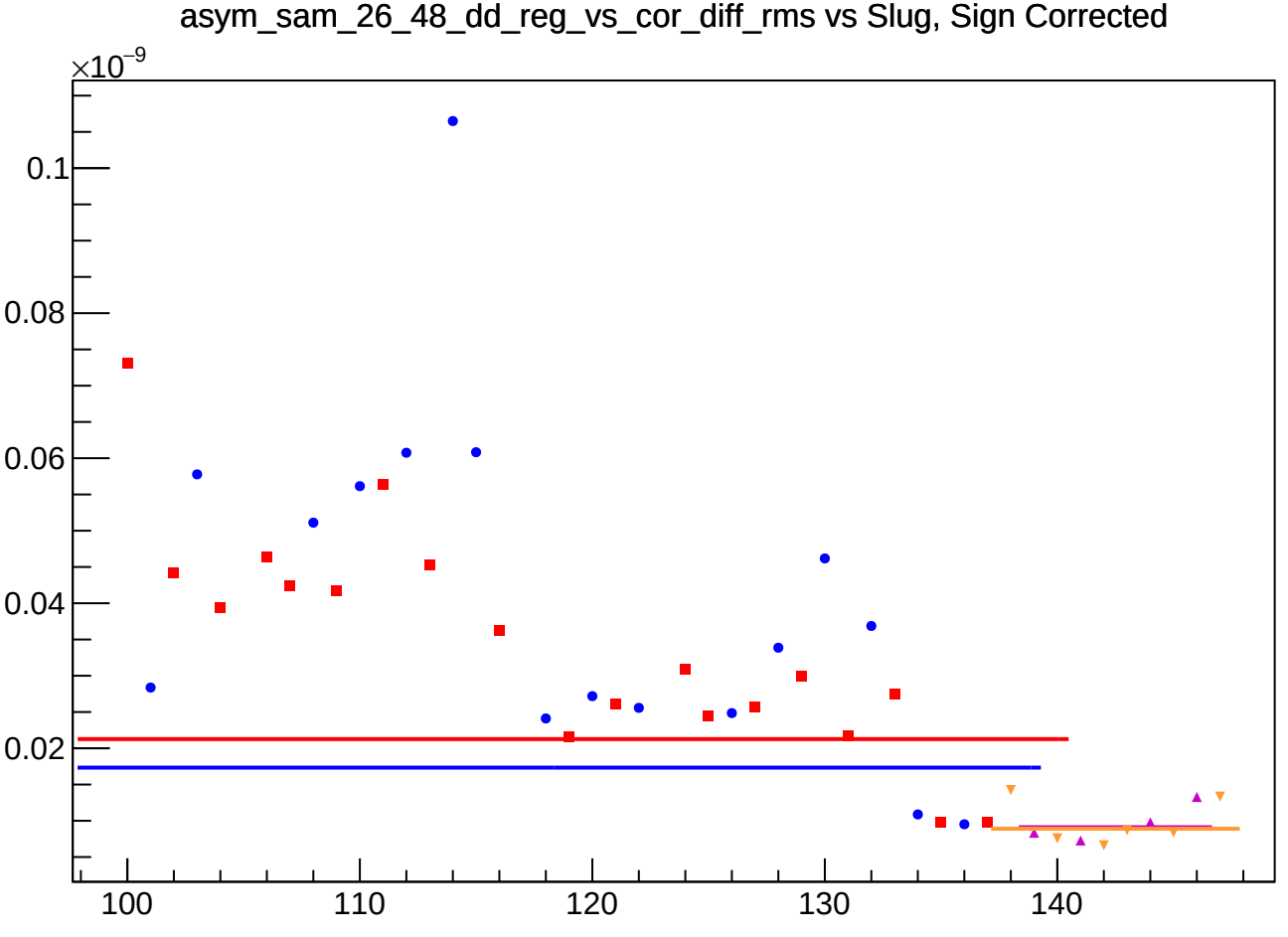
Left: -0.000+/-0.000 χ^2/NDF: 3.7/9

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:19.4/19

Out: -0.000+/-0.000 χ^2/NDF:19.9/24

All: -0.000+/-0.000 χ^2/NDF: 39.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:249399.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:123137.4/3

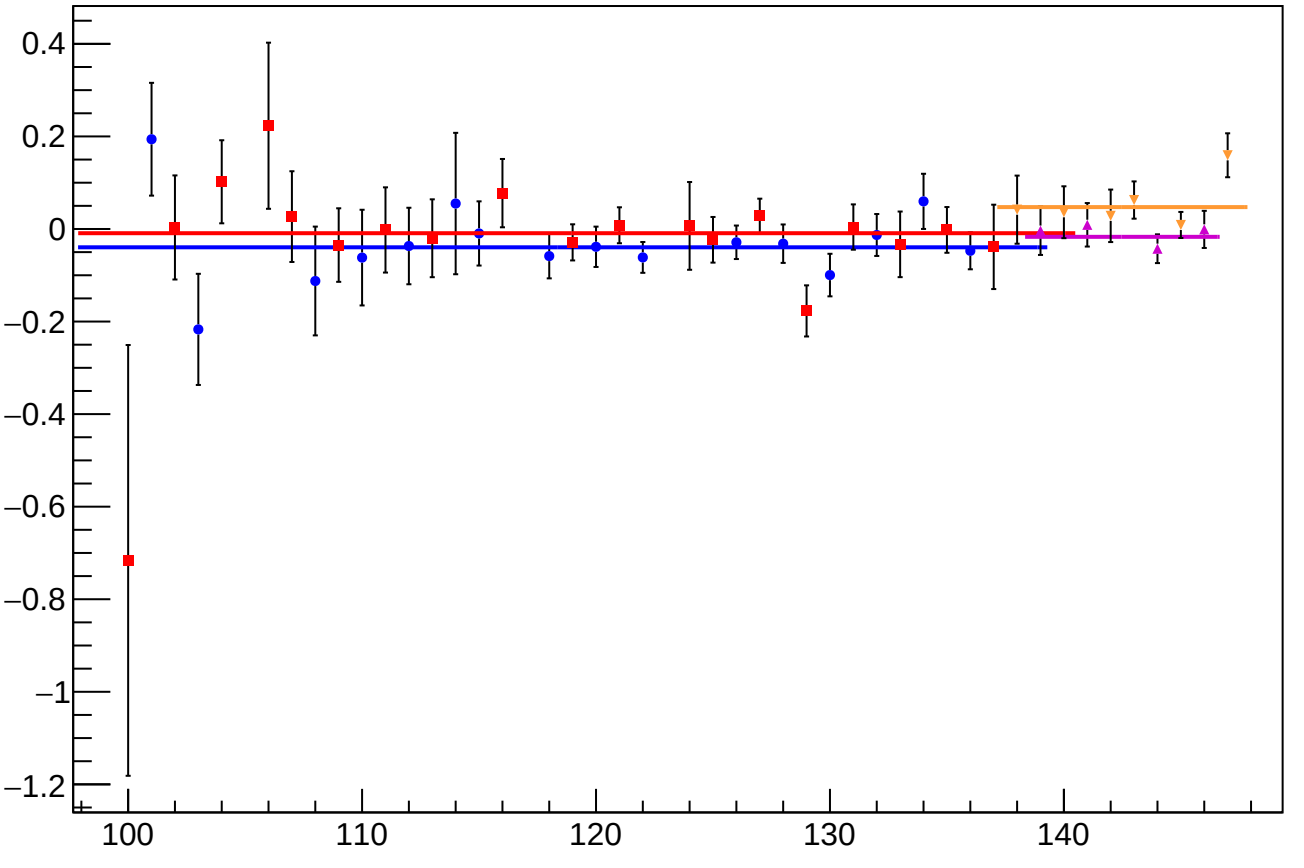
Left: 0.000+/-0.000 χ^2/NDF: 373400.4/9

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3201829.7/19

Out: 0.000+/-0.000 χ^2/NDF:3293727.8/24

All: 0.000+/-0.000 χ^2/NDF: 6498731.8/44



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.017+/-0.020 χ^2/NDF:1.2/3

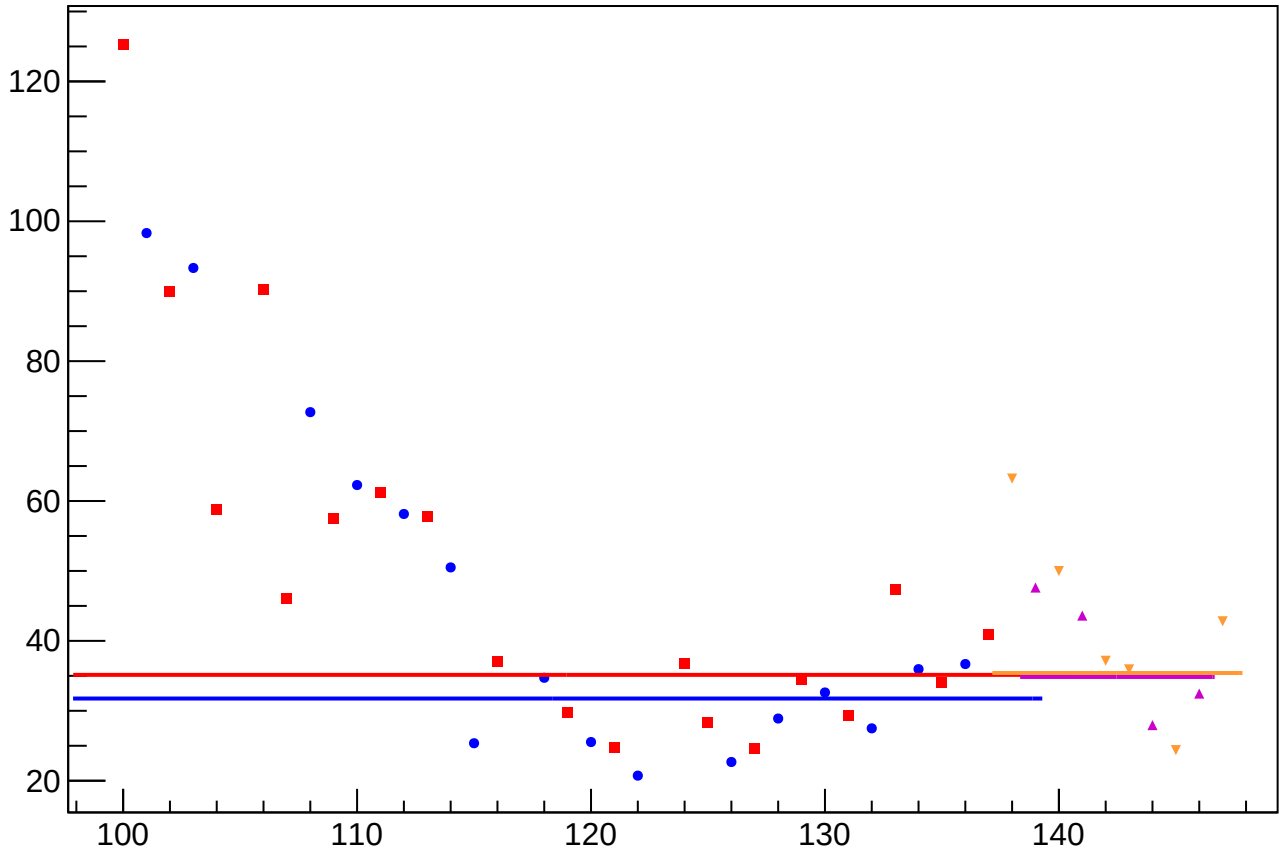
Left: 0.019+/-0.013 χ^2/NDF: 14.7/9

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.011 χ^2/NDF:14.5/19

Out: 0.013+/-0.011 χ^2/NDF:32.2/24

All: -0.010+/-0.008 χ^2/NDF: 55.1/44



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.408+/-0.013 χ^2/NDF:778604.5/5

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293509.0/3

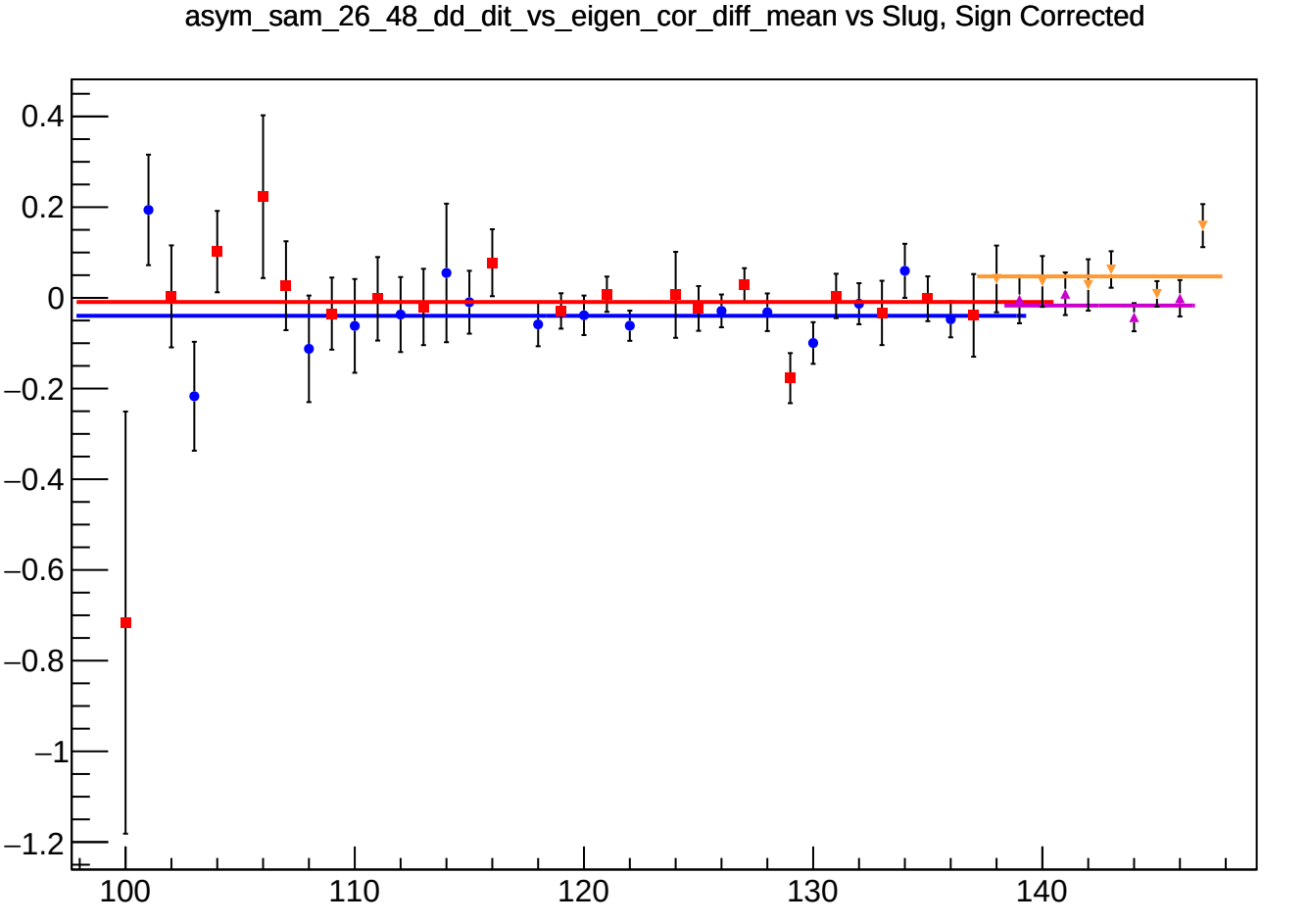
Left: 35.157+/-0.009 χ^2/NDF: 1073007.0/9

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 32.680+/-0.008 χ^2/NDF:2578833.2/19

Out: 35.243+/-0.008 χ^2/NDF:2623557.6/24

All: 33.952+/-0.006 χ^2/NDF: 5256127.8/44



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.017+/-0.020 χ^2/NDF:1.2/3

Left: 0.019+/-0.013 χ^2/NDF: 14.7/9

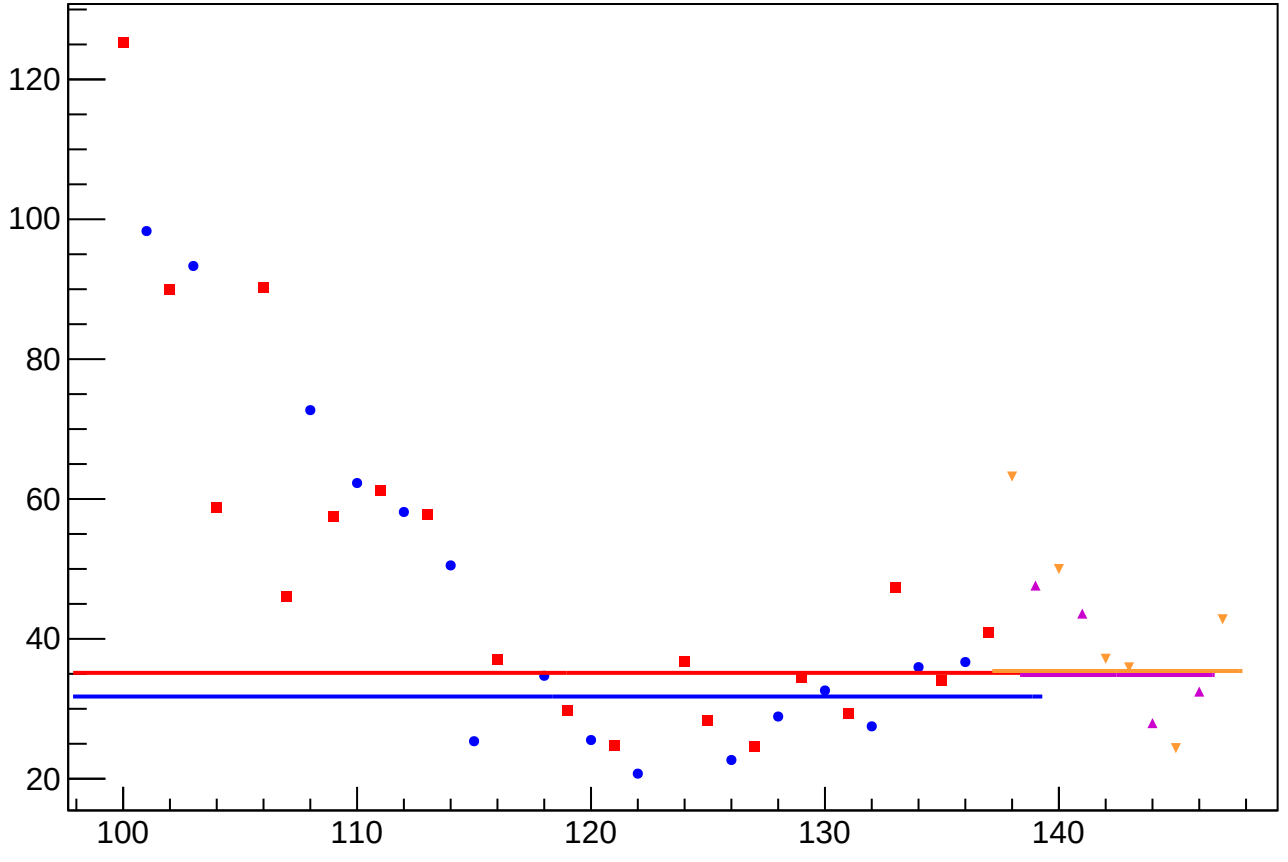
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.011 χ^2/NDF:14.5/19

Out: 0.013+/-0.011 χ^2/NDF:32.2/24

All: -0.010+/-0.008 χ^2/NDF: 55.1/44

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: 35.408+/-0.013 χ^2/NDF:778604.5/5

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293509.0/3

Left: 35.157+/-0.009 χ^2/NDF: 1073007.0/9

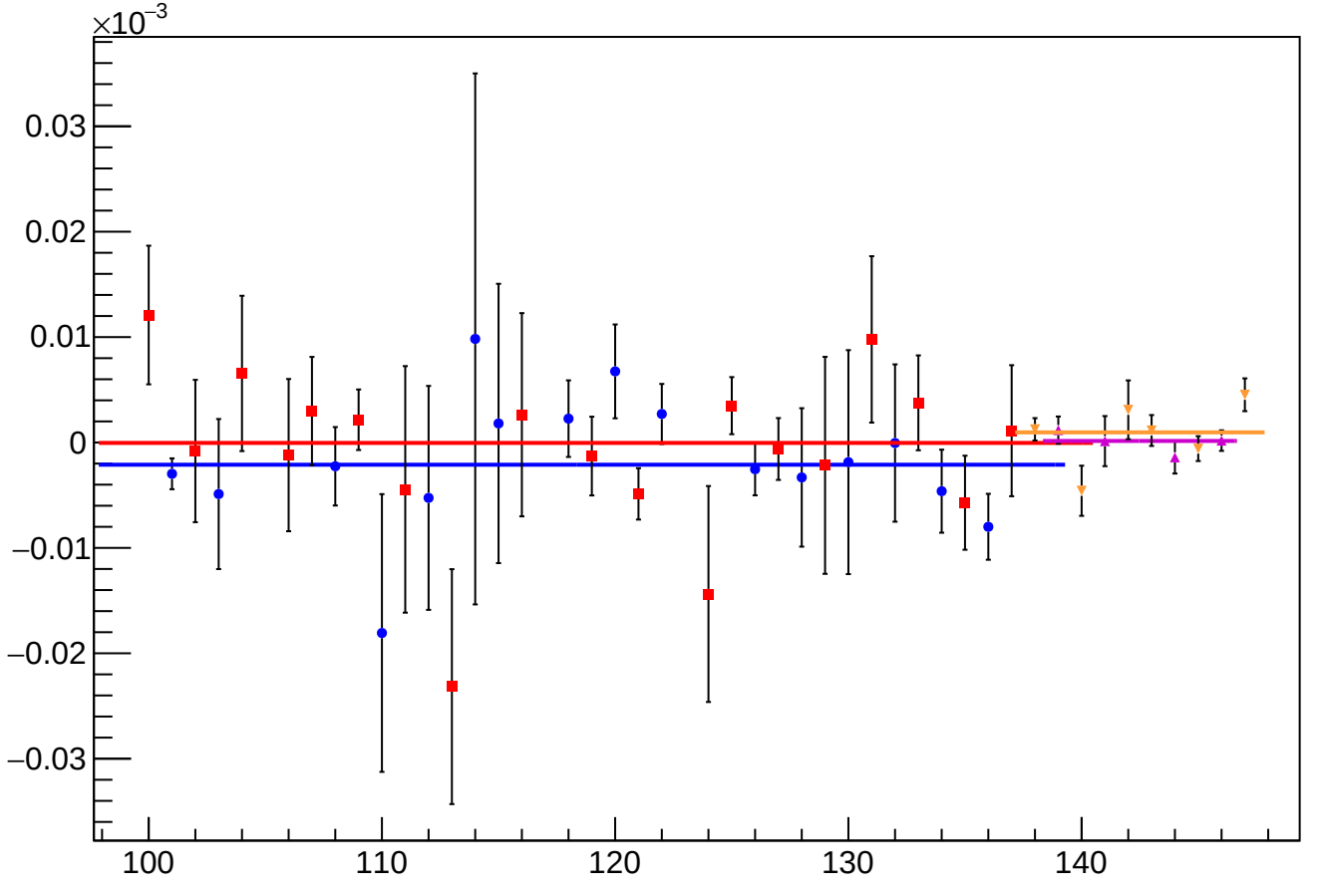
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 32.680+/-0.008 χ^2/NDF:2578833.2/19

Out: 35.243+/-0.008 χ^2/NDF:2623557.6/24

All: 33.952+/-0.006 χ^2/NDF: 5256127.8/44

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

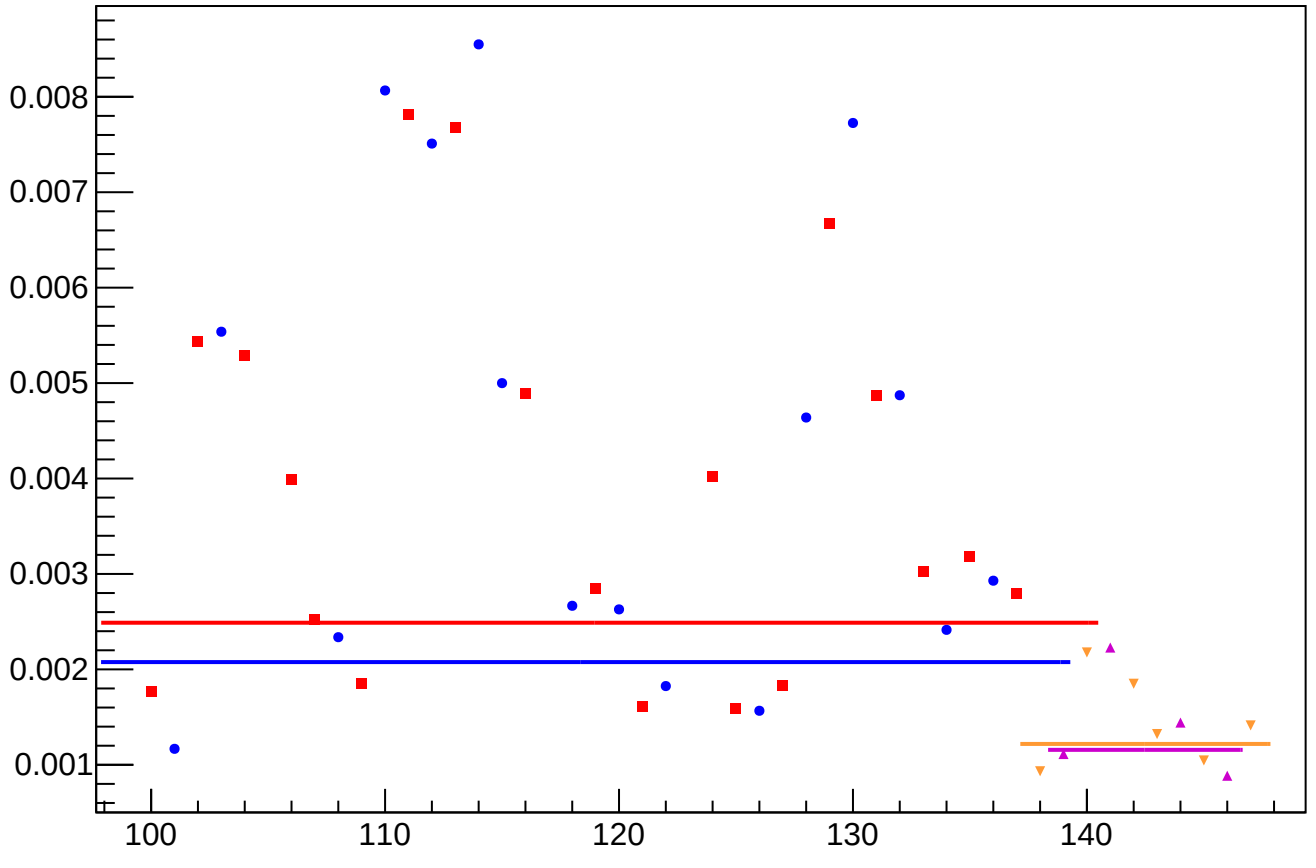
Left: 0.000+/-0.000 χ^2/NDF: 15.5/9

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:20.4/19

Out: 0.000+/-0.000 χ^2/NDF:35.2/24

All: 0.000+/-0.000 χ^2/NDF: 58.8/44



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:656674.4/5

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:632317.1/3

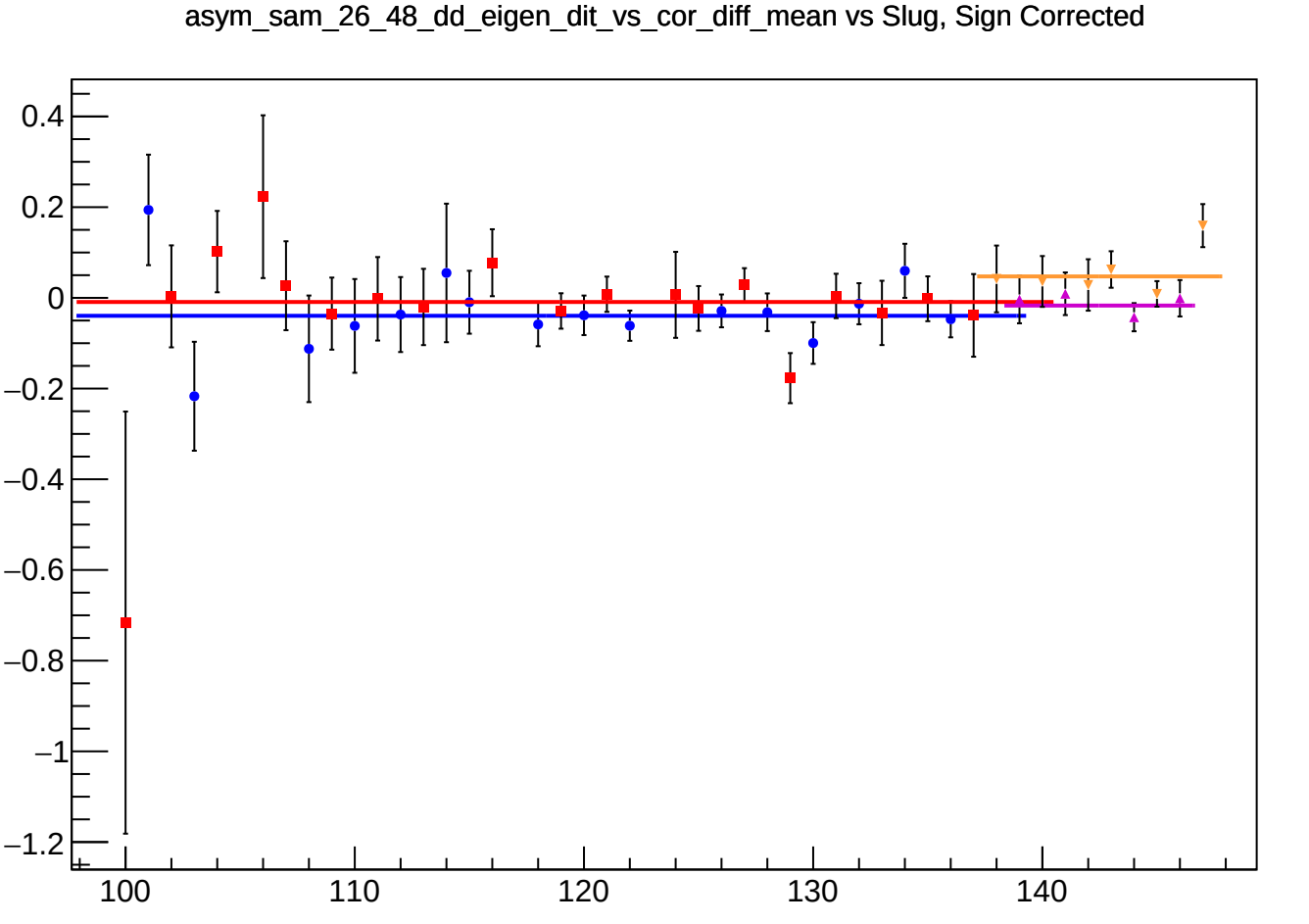
Left: 0.001+/-0.000 χ^2/NDF: 1298576.5/9

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:5879454.7/19

Out: 0.002+/-0.000 χ^2/NDF:5982741.0/24

All: 0.002+/-0.000 χ^2/NDF: 11873268.0/44



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.017+/-0.020 χ^2/NDF:1.2/3

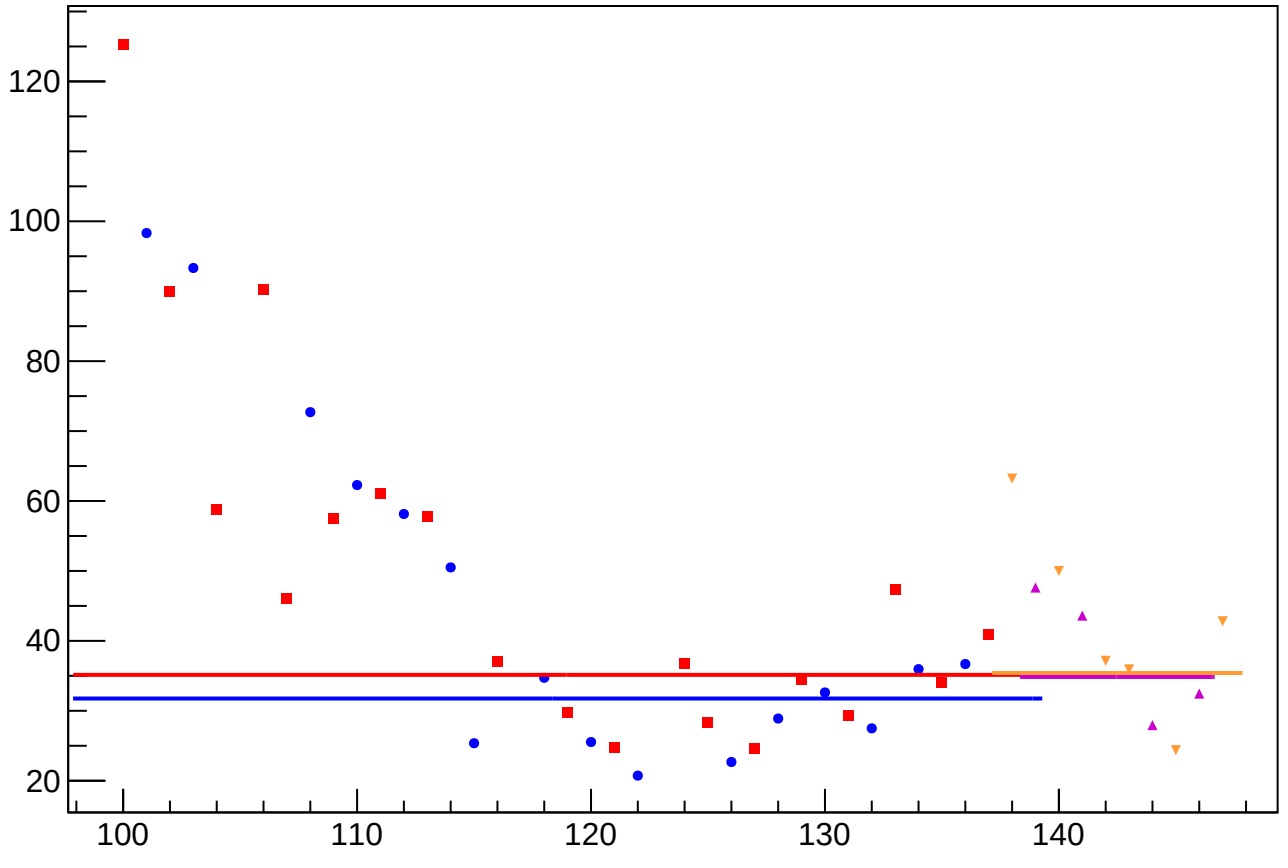
Left: 0.019+/-0.013 χ^2/NDF: 14.7/9

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.011 χ^2/NDF:14.5/19

Out: 0.013+/-0.011 χ^2/NDF:32.2/24

All: -0.010+/-0.008 χ^2/NDF: 55.1/44



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.408+/-0.013 χ^2/NDF:778656.0/5

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293518.4/3

Left: 35.157+/-0.009 χ^2/NDF: 1073067.4/9

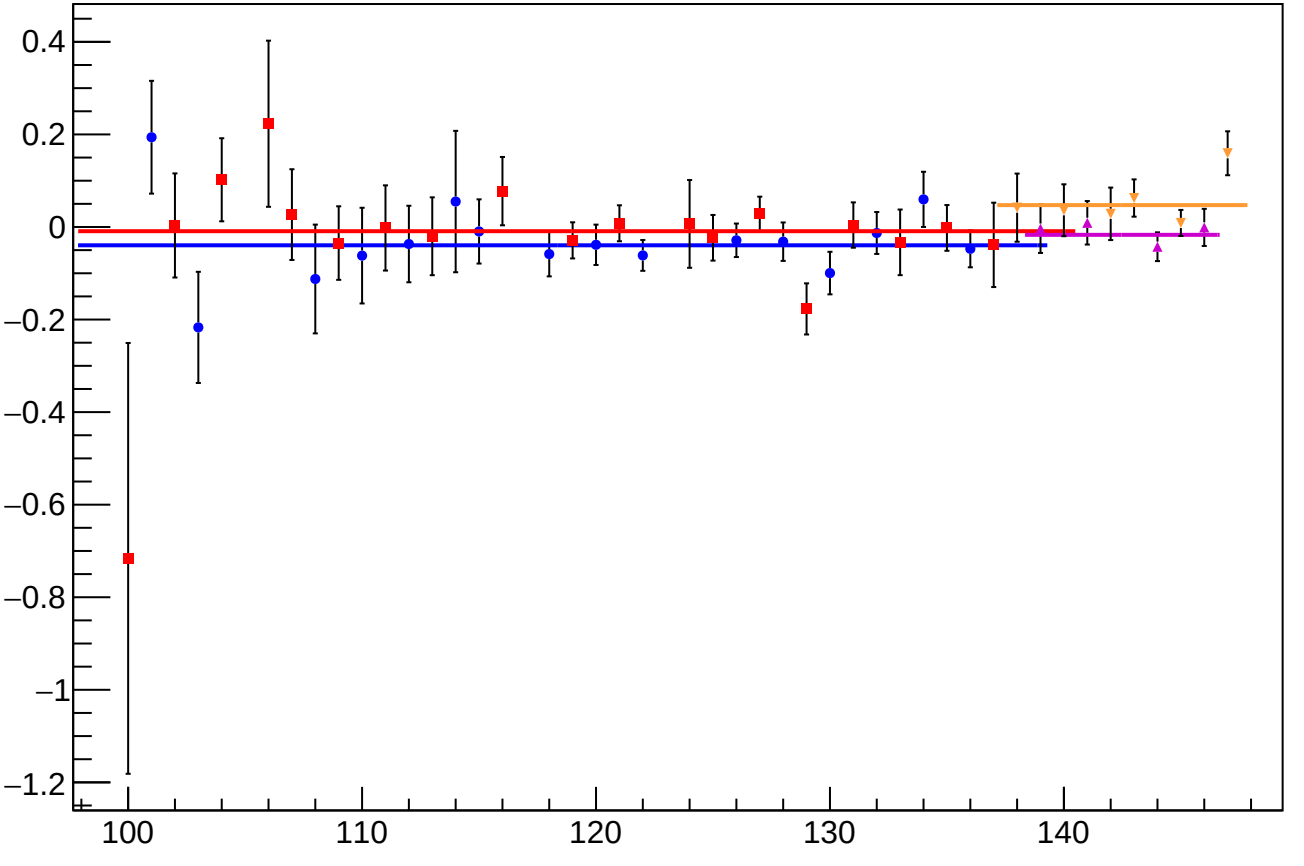
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 32.681+/-0.008 χ^2/NDF:2578809.7/19

Out: 35.243+/-0.008 χ^2/NDF:2623504.0/24

All: 33.952+/-0.006 χ^2/NDF: 5256048.8/44

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.047+/-0.018 χ^2/NDF:7.7/5

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.017+/-0.020 χ^2/NDF:1.2/3

Left: 0.019+/-0.013 χ^2/NDF: 14.7/9

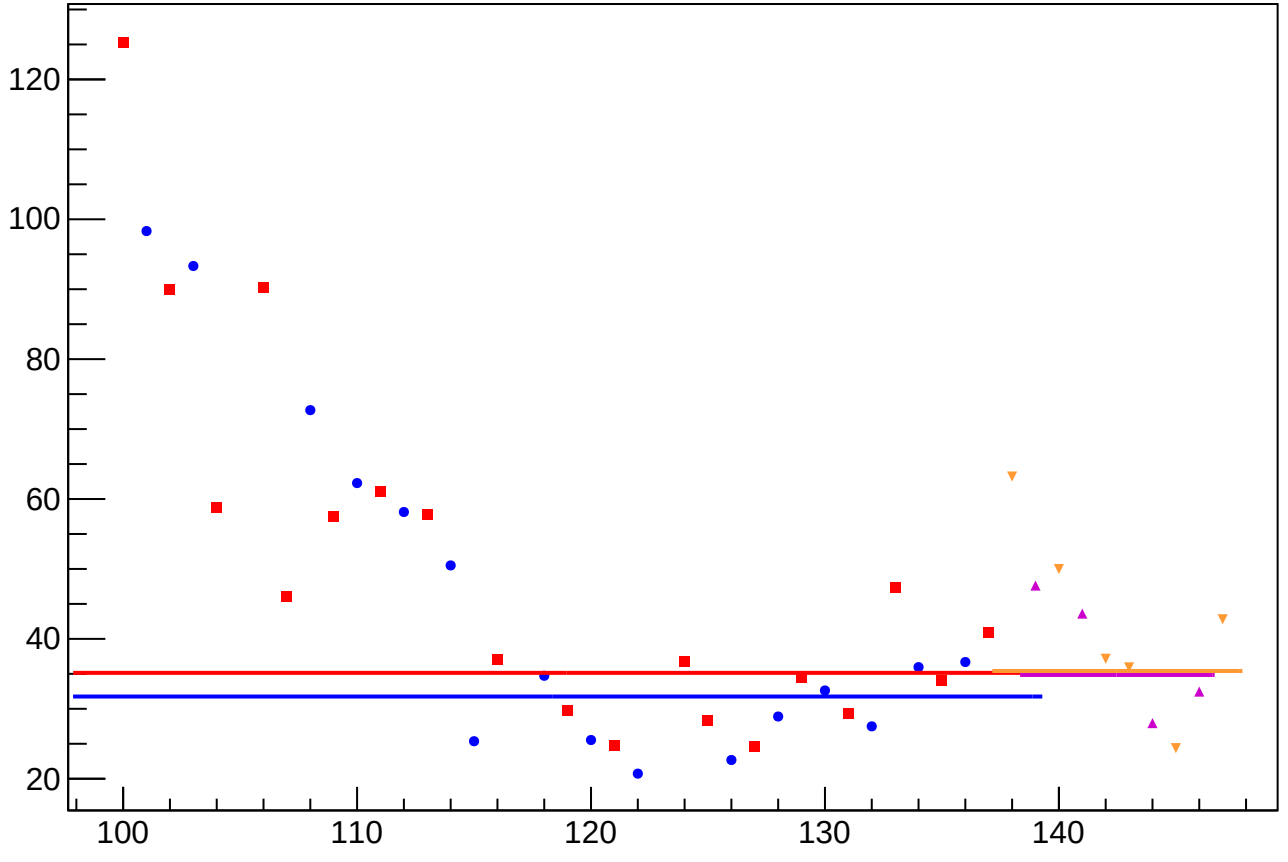
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.011 χ^2/NDF:14.5/19

Out: 0.013+/-0.011 χ^2/NDF:32.2/24

All: -0.010+/-0.008 χ^2/NDF: 55.1/44

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: 35.408+/-0.013 χ^2/NDF:778656.0/5

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 34.839+/-0.014 χ^2/NDF:293518.4/3

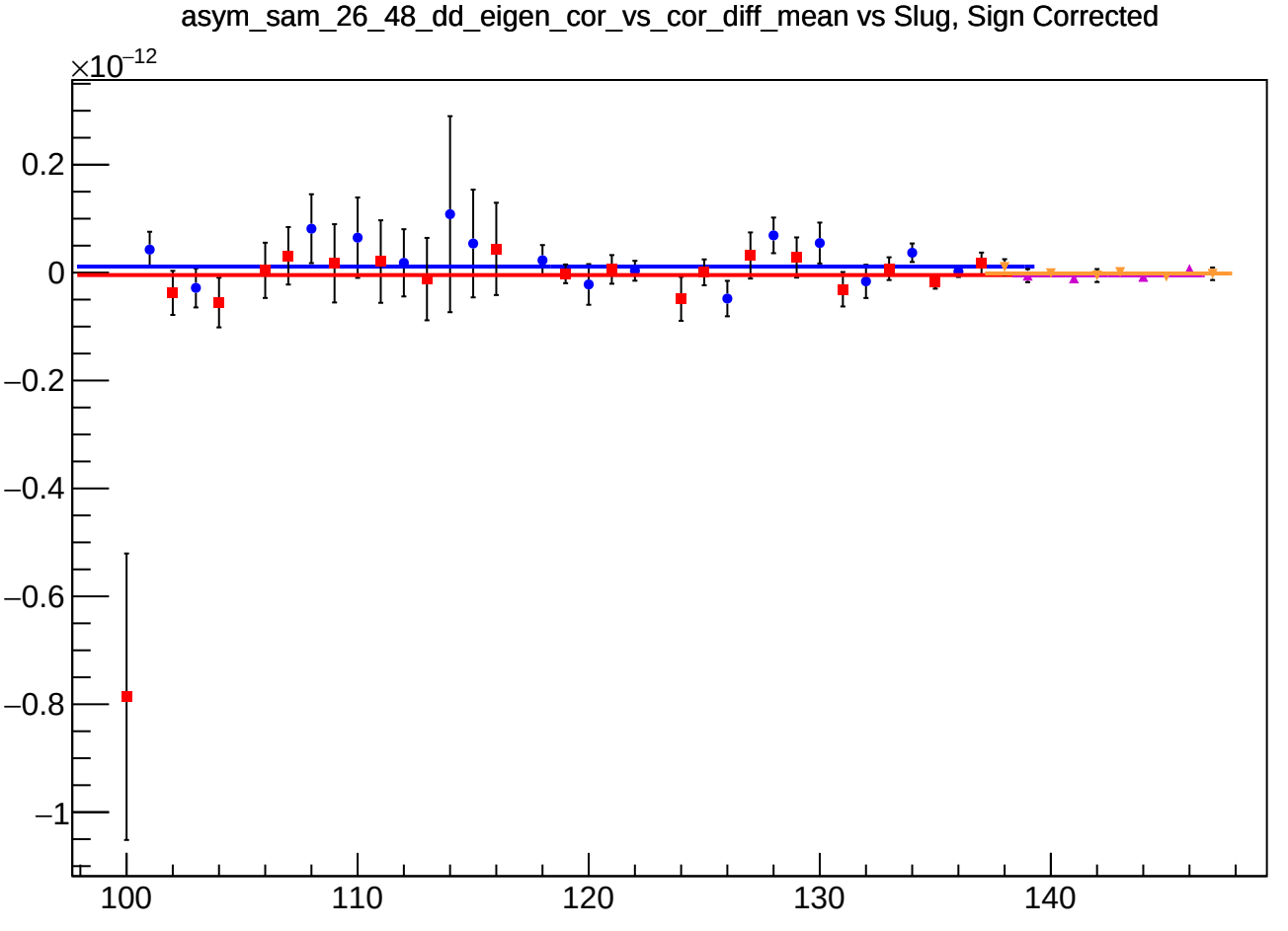
Left: 35.157+/-0.009 χ^2/NDF: 1073067.4/9

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 32.681+/-0.008 χ^2/NDF:2578809.7/19

Out: 35.243+/-0.008 χ^2/NDF:2623504.0/24

All: 33.952+/-0.006 χ^2/NDF: 5256048.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/3

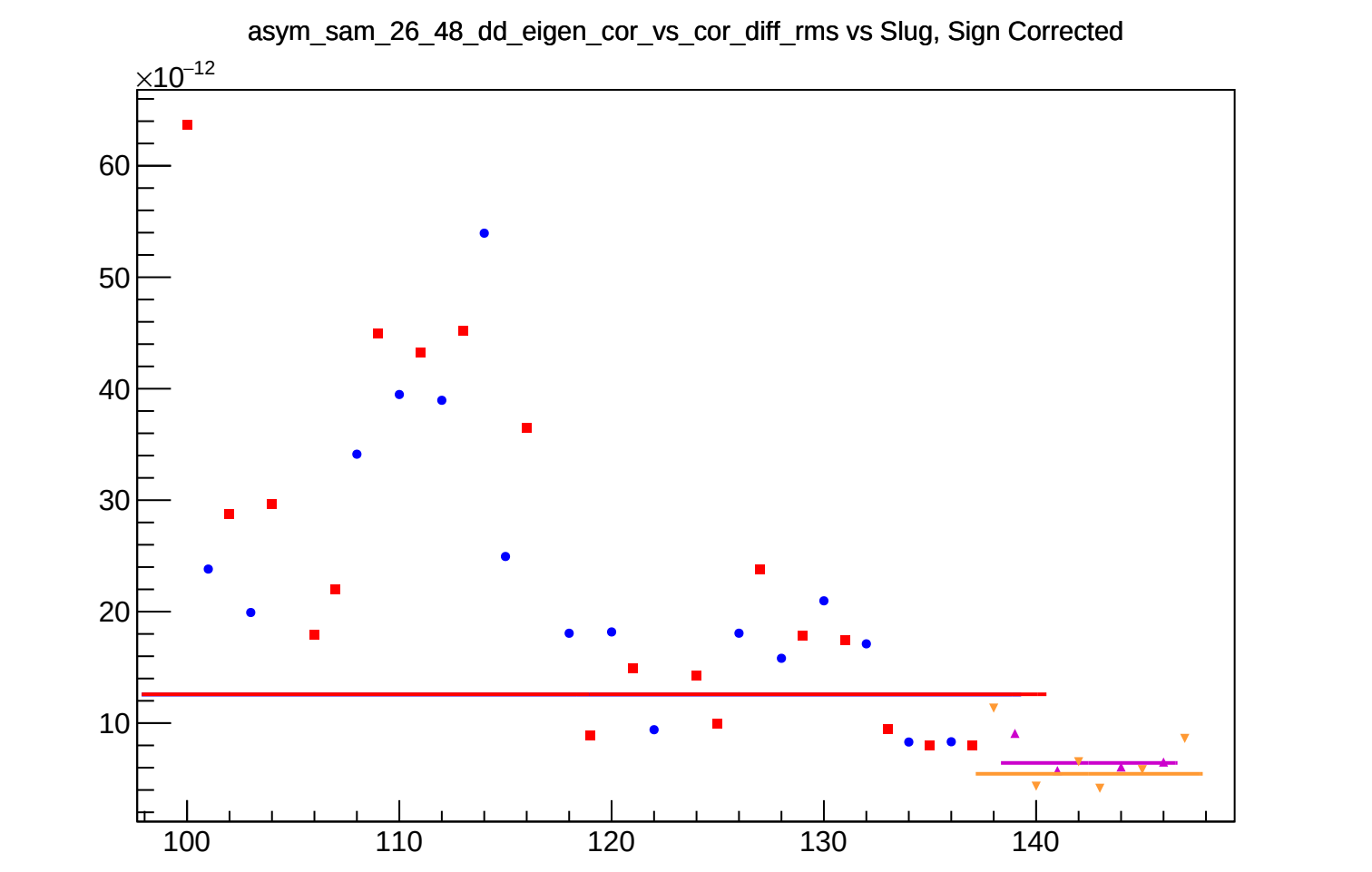
Left: -0.000+/-0.000 χ^2/NDF: 4.5/9

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:23.8/19

Out: -0.000+/-0.000 χ^2/NDF:19.2/24

All: -0.000+/-0.000 χ^2/NDF: 43.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:659553.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:115771.0/3

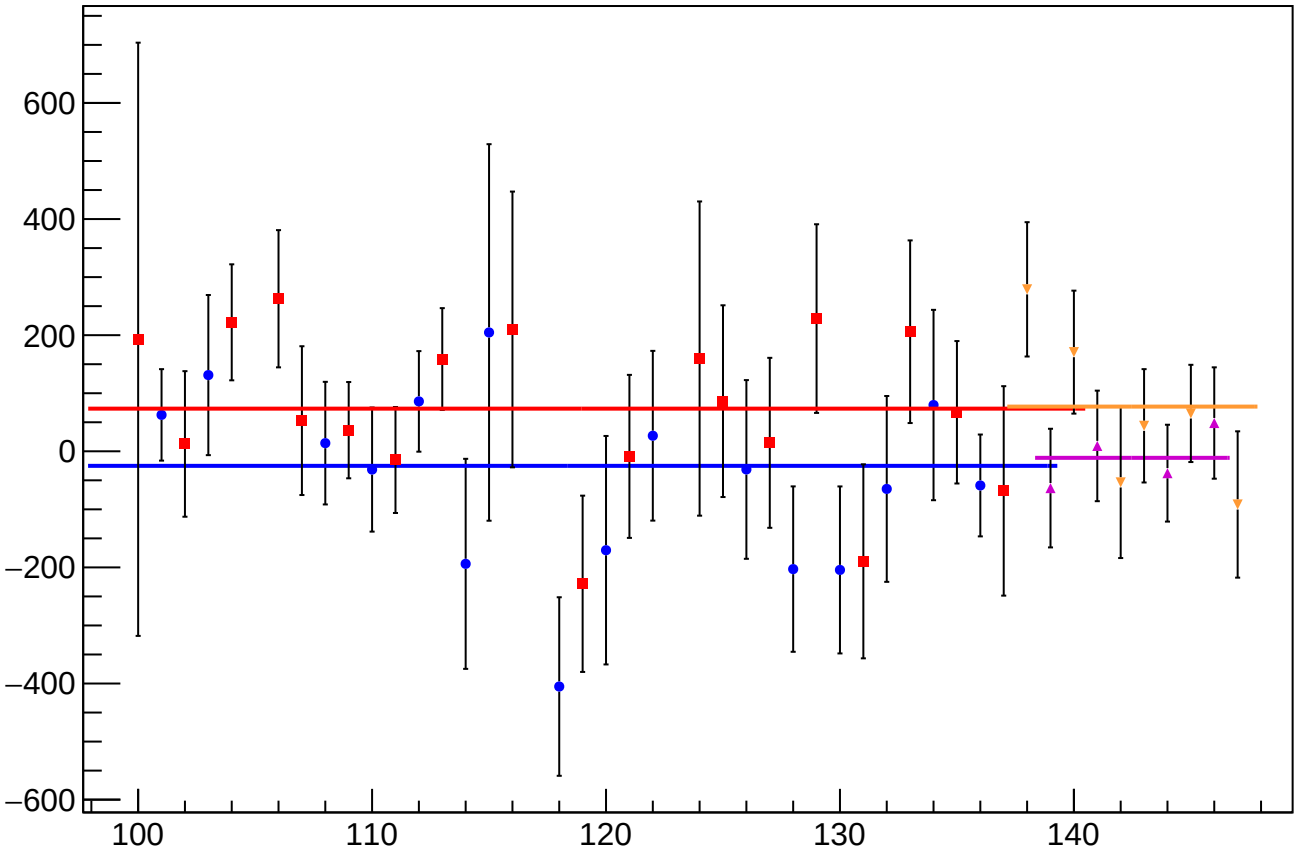
Left: 0.000+/-0.000 χ^2/NDF: 840330.0/9

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:3539629.6/19

Out: 0.000+/-0.000 χ^2/NDF:5249627.8/24

All: 0.000+/-0.000 χ^2/NDF: 8976445.9/44



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 76.981+/-43.303 χ^2/NDF:6.8/5

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: -11.273+/-46.699 χ^2/NDF:0.8/3

Left: 36.180+/-31.753 χ^2/NDF: 9.5/9

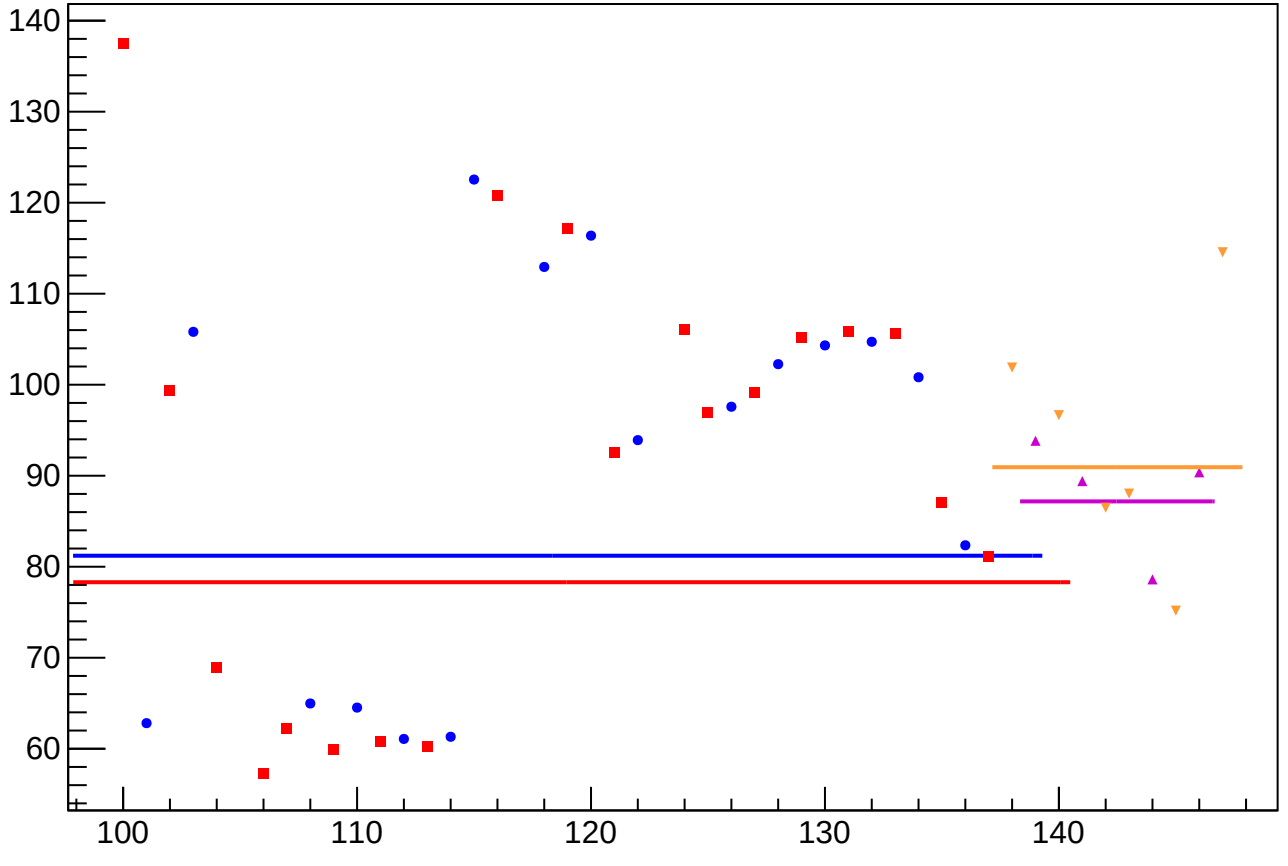
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -20.808+/-25.960 χ^2/NDF:17.1/19

Out: 74.597+/-24.624 χ^2/NDF:23.6/24

All: 29.413+/-17.865 χ^2/NDF: 47.7/44

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 90.936+/-0.031 χ^2/NDF:168945.3/5

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

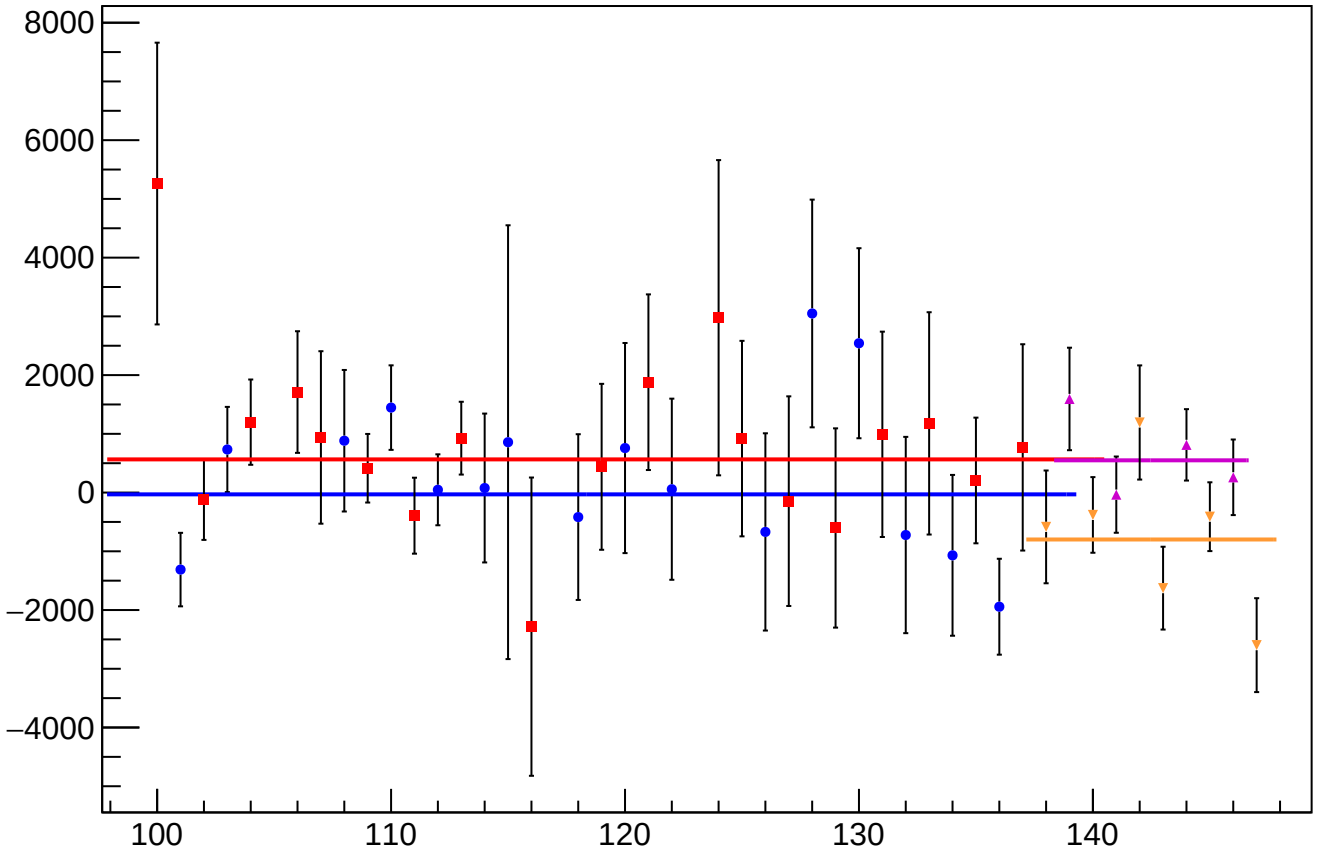
Left: 89.199+/-0.022 χ^2/NDF: 208818.3/9

Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 83.054+/-0.018 χ^2/NDF:843168.1/19

Out: 82.385+/-0.017 χ^2/NDF:1218899.1/24

All: 82.702+/-0.013 χ^2/NDF: 2062767.6/44



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -798.902+/-300.868 χ^2/NDF:11.6/5

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 549.045+/-336.940 χ^2/NDF:2.6/3

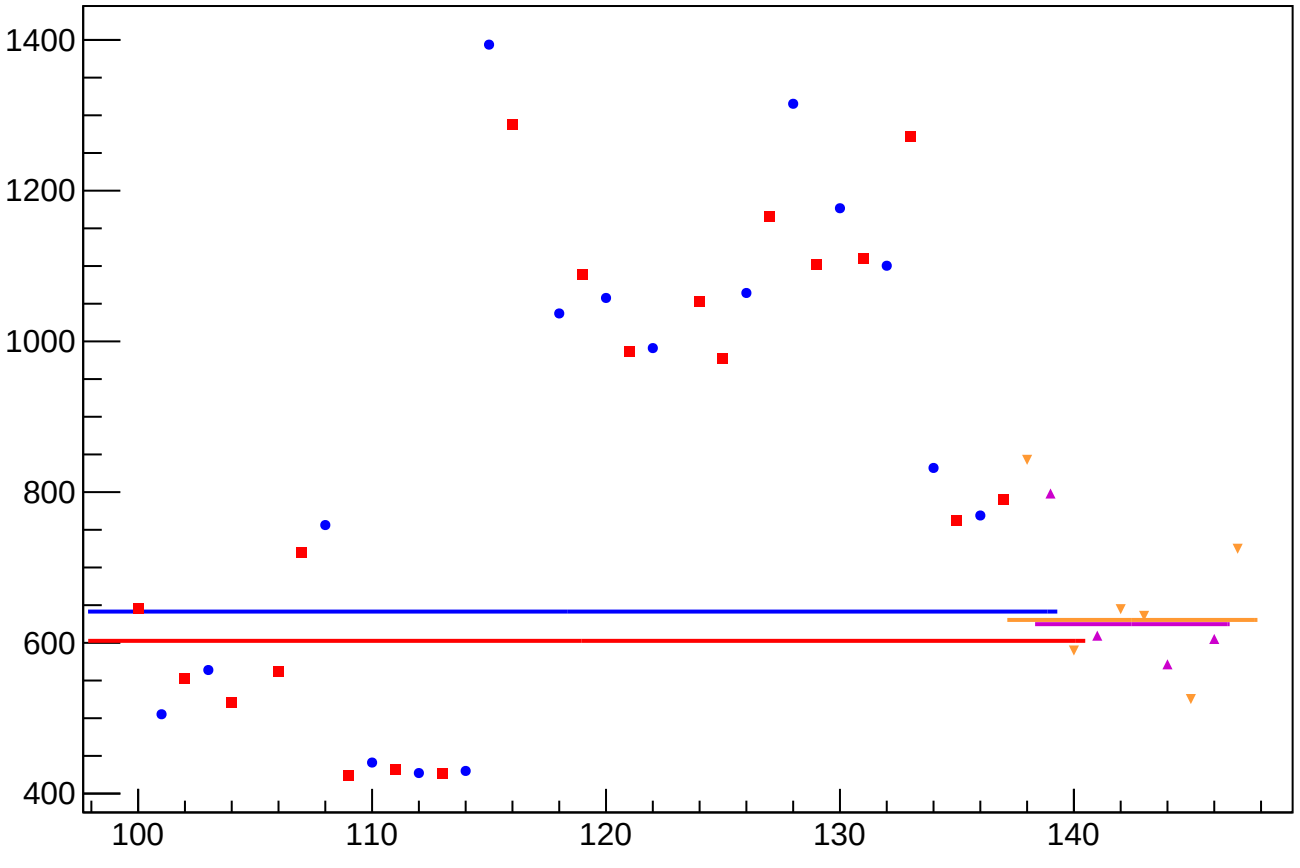
Left: -200.920+/-224.420 χ^2/NDF: 23.1/9

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 182.716+/-204.343 χ^2/NDF:26.4/19

Out: 38.634+/-186.897 χ^2/NDF:37.5/24

All: 104.263+/-137.912 χ^2/NDF: 64.1/44



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 630.410+/-0.213 χ^2/NDF:198590.0/5

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 624.791+/-0.238 χ^2/NDF:97269.6/3

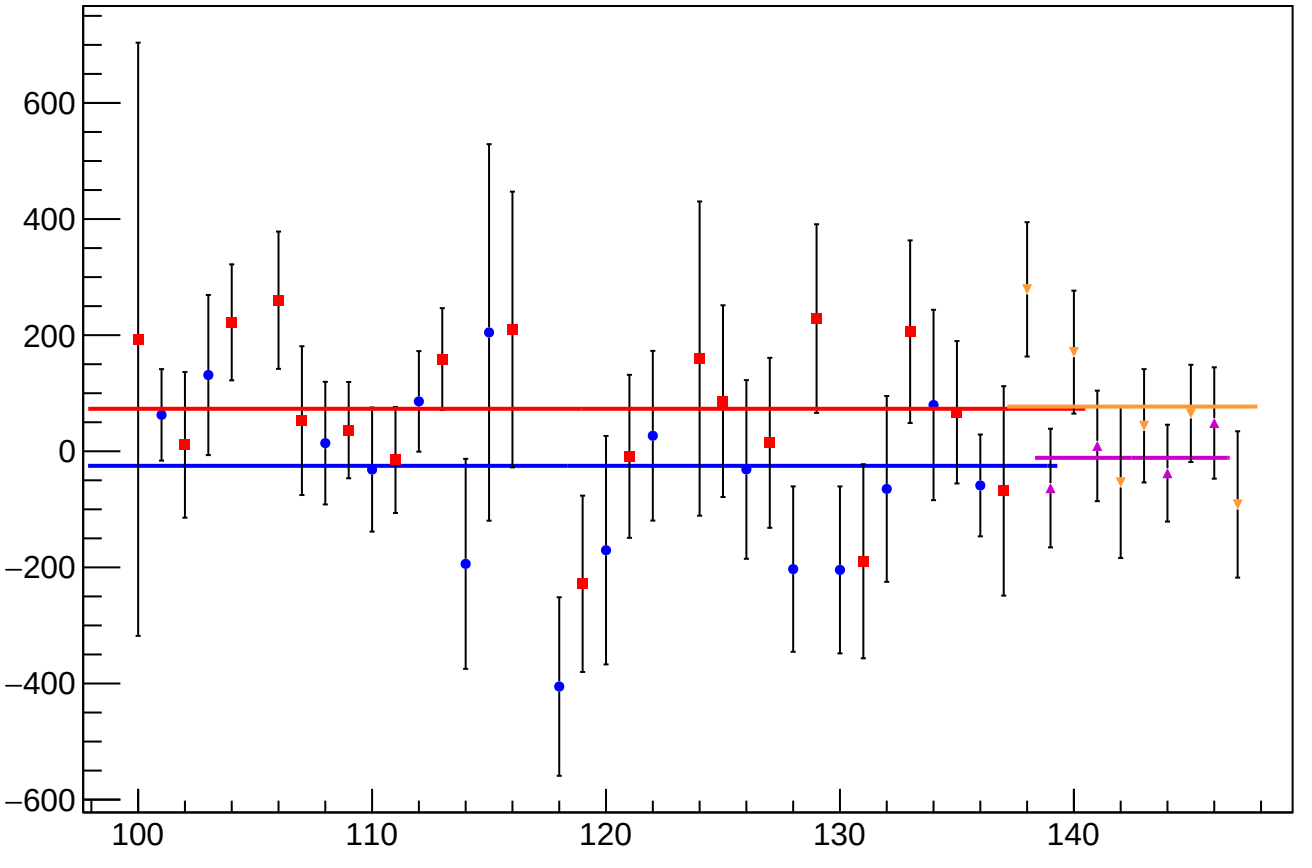
Left: 627.917+/-0.159 χ^2/NDF: 296169.0/9

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 635.354+/-0.144 χ^2/NDF:1975369.2/19

Out: 613.364+/-0.132 χ^2/NDF:2279351.2/24

All: 623.380+/-0.098 χ^2/NDF: 4267331.0/44



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 76.996+/-43.303 χ^2/NDF:6.8/5

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -11.265+/-46.699 χ^2/NDF:0.8/3

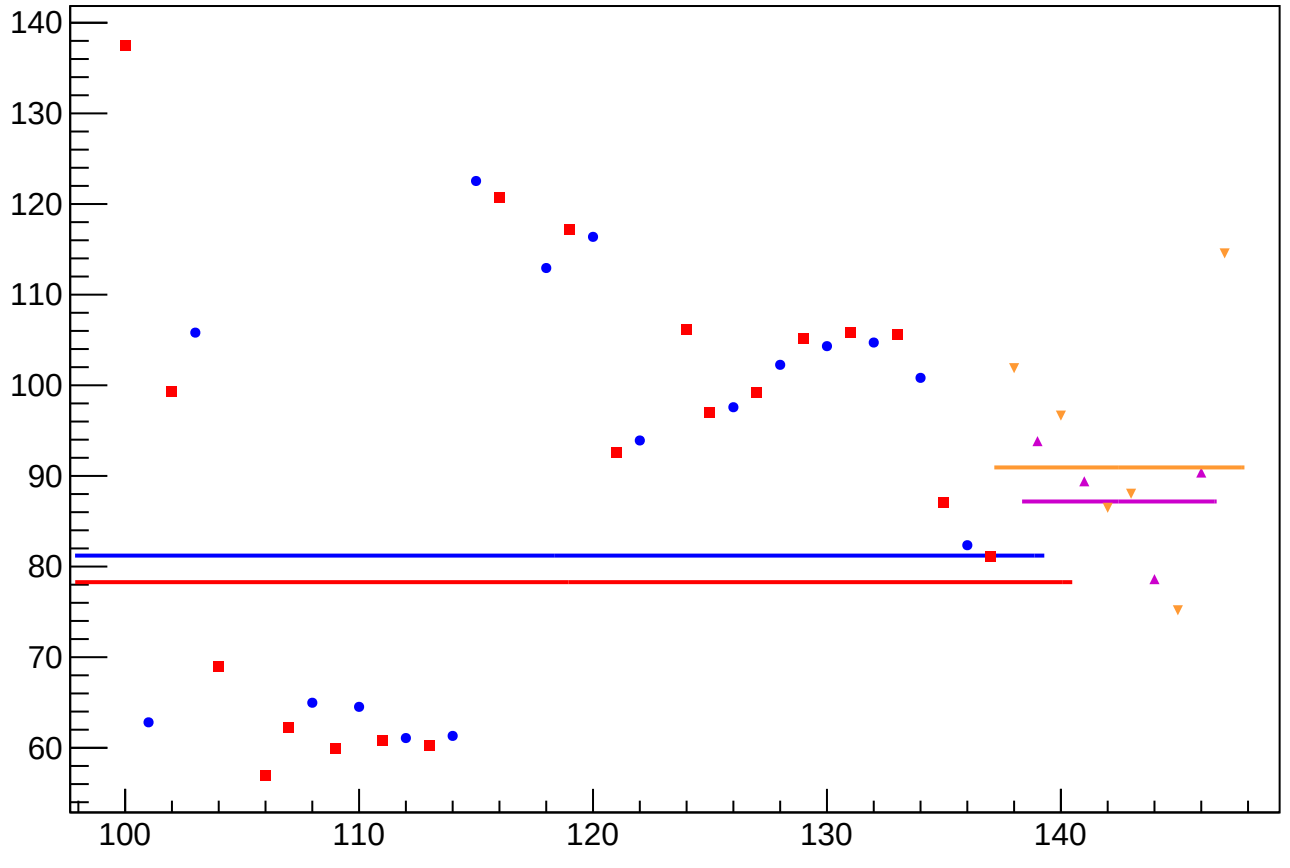
Left: 36.191+/-31.753 χ^2/NDF: 9.5/9

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -20.808+/-25.960 χ^2/NDF:17.1/19

Out: 74.423+/-24.625 χ^2/NDF:23.5/24

All: 29.319+/-17.866 χ^2/NDF: 47.6/44



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 90.936+/-0.031 χ^2/NDF:168945.2/5

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

Left: 89.199+/-0.022 χ^2/NDF: 208818.3/9

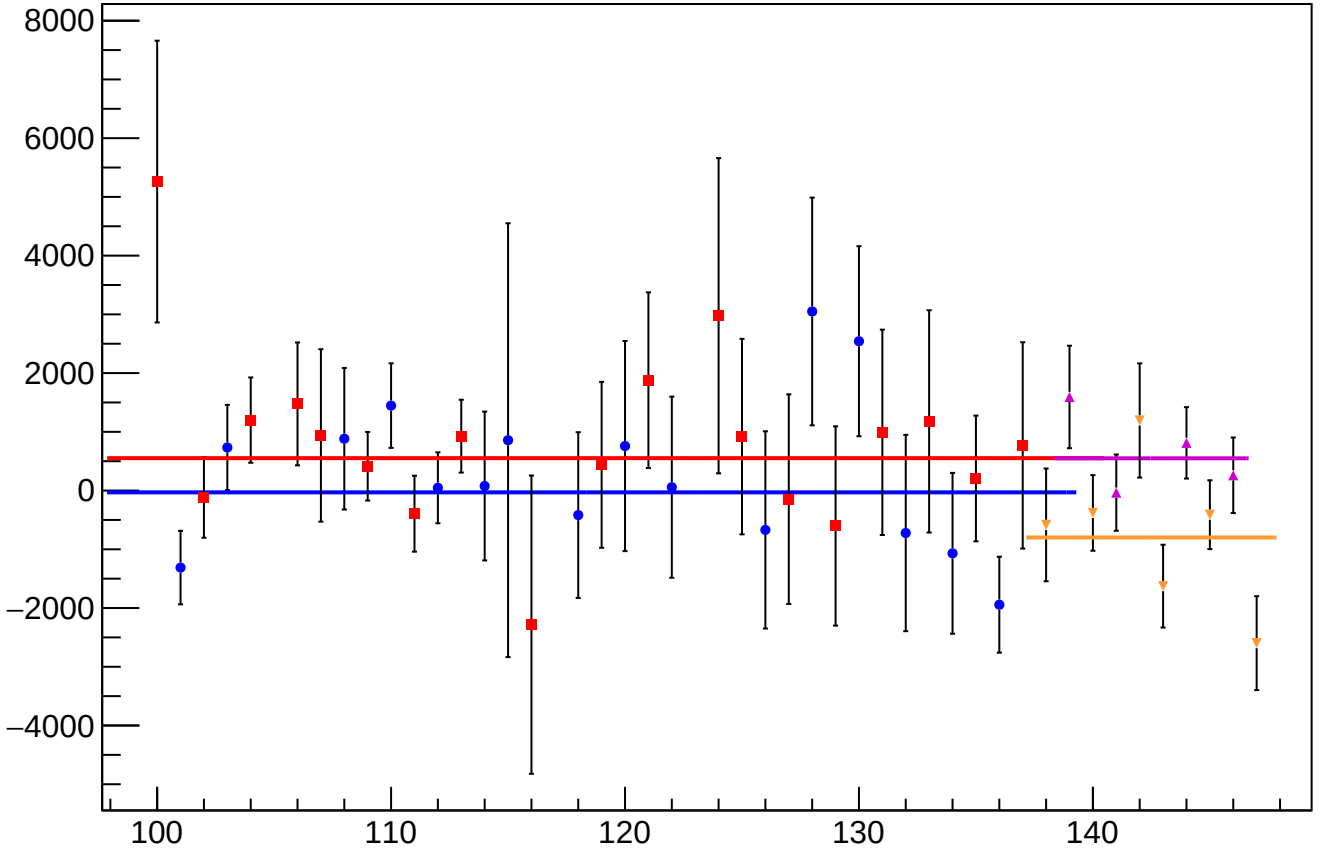
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 83.054+/-0.018 χ^2/NDF:843170.3/19

Out: 82.372+/-0.017 χ^2/NDF:1221373.3/24

All: 82.695+/-0.013 χ^2/NDF: 2065269.8/44

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: -798.886+/-300.868 χ^2/NDF:11.6/5

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 549.053+/-336.941 χ^2/NDF:2.6/3

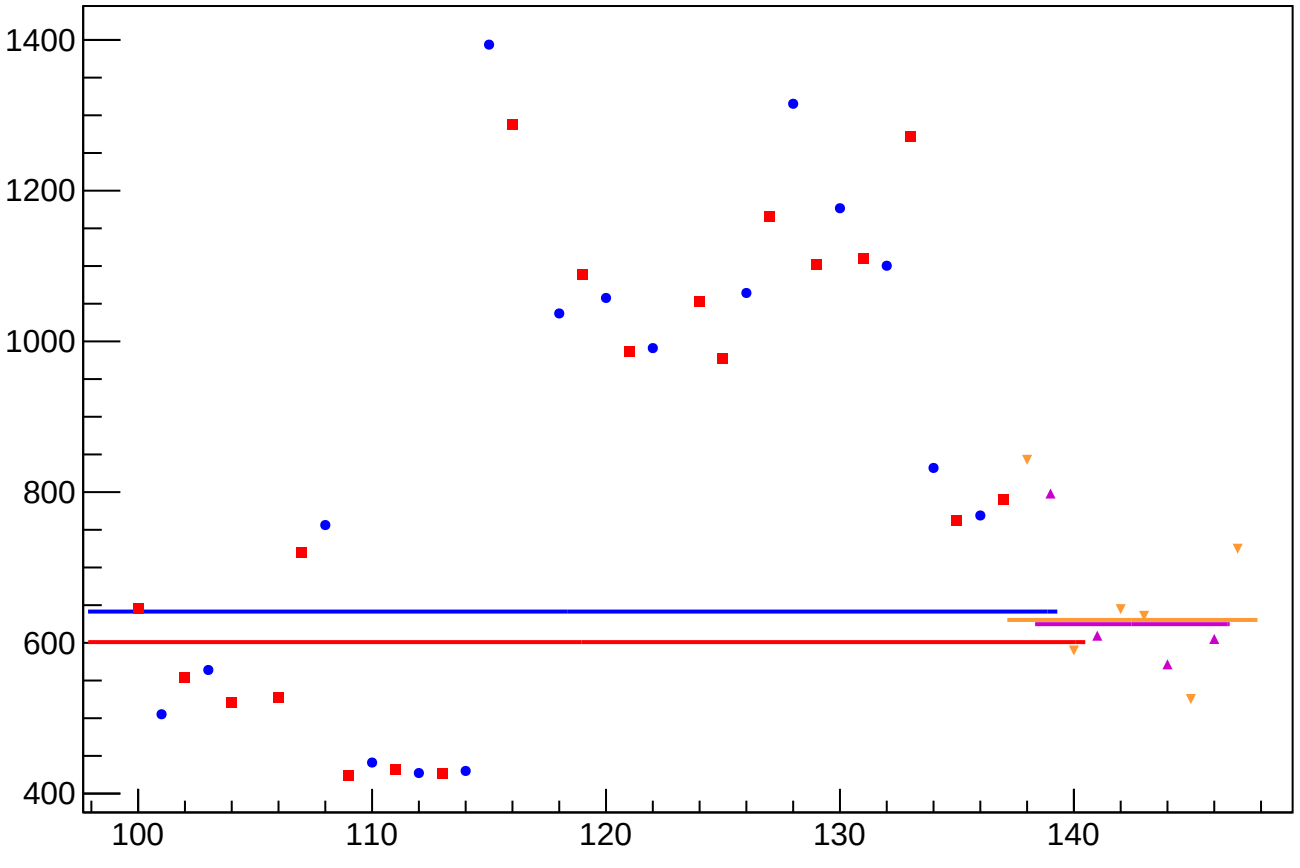
Left: -200.908+/-224.420 χ^2/NDF: 23.1/9

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 182.705+/-204.344 χ^2/NDF:26.4/19

Out: 30.294+/-186.968 χ^2/NDF:36.7/24

All: 99.745+/-137.941 χ^2/NDF: 63.4/44



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 630.410+/-0.213 χ^2/NDF:198591.3/5

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 624.792+/-0.238 χ^2/NDF:97268.6/3

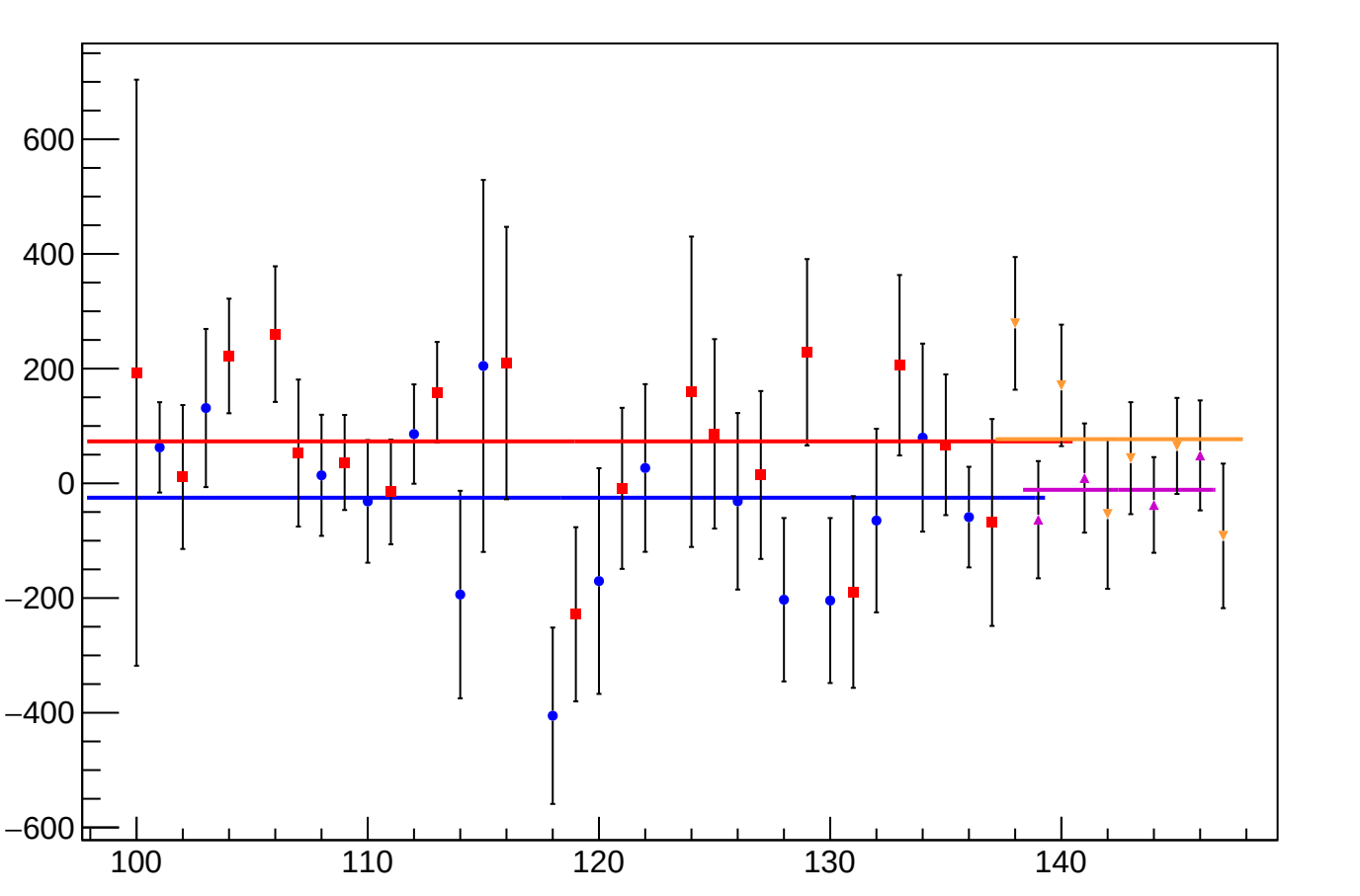
Left: 627.917+/-0.159 χ^2/NDF: 296169.2/9

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 635.359+/-0.144 χ^2/NDF:1975330.6/19

Out: 612.342+/-0.132 χ^2/NDF:2287573.5/24

All: 622.831+/-0.098 χ^2/NDF: 4276716.4/44



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 76.996+/-43.303 χ^2/NDF:6.8/5

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: -11.265+/-46.699 χ^2/NDF:0.8/3

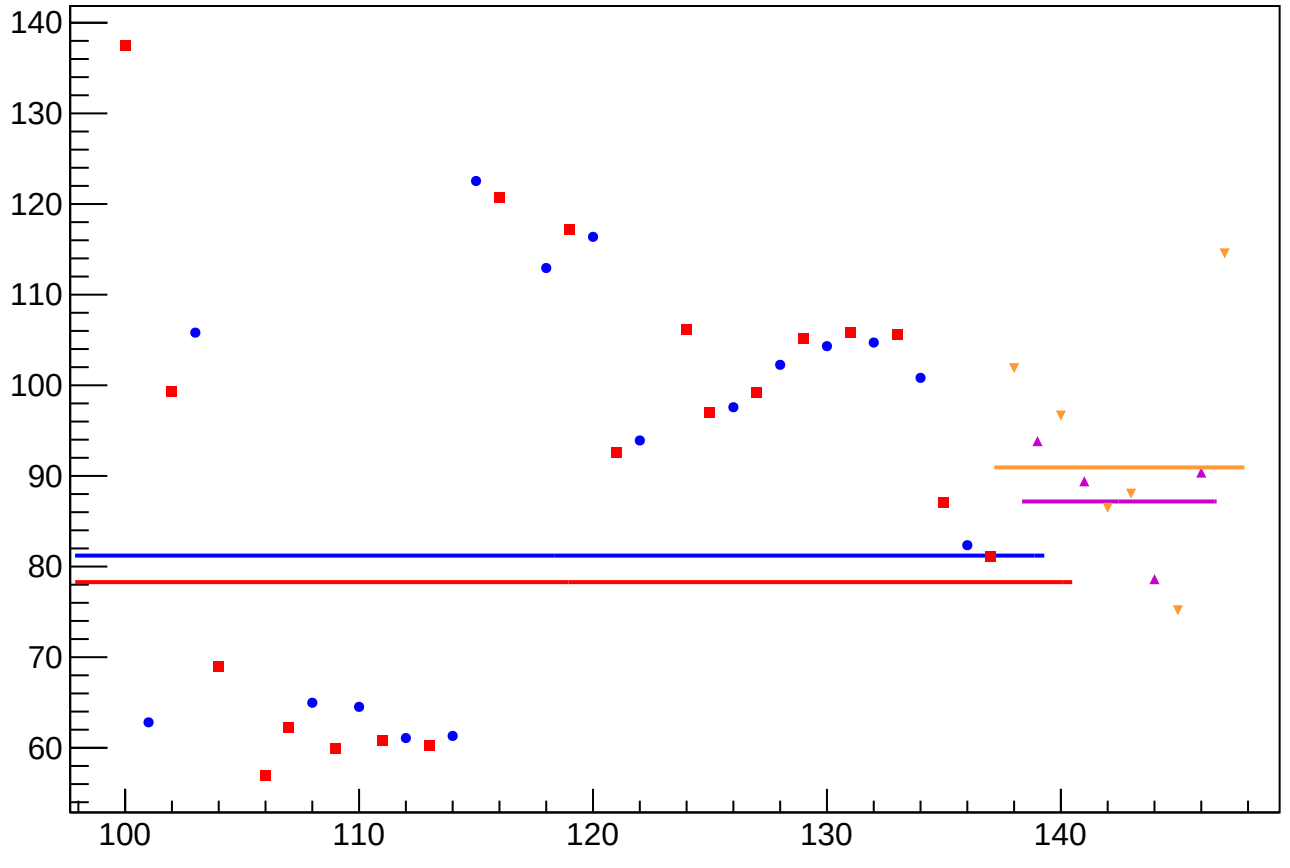
Left: 36.191+/-31.753 χ^2/NDF: 9.5/9

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -20.808+/-25.960 χ^2/NDF:17.1/19

Out: 74.423+/-24.625 χ^2/NDF:23.5/24

All: 29.319+/-17.866 χ^2/NDF: 47.6/44



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 90.936+/-0.031 χ^2/NDF:168945.2/5

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 87.179+/-0.033 χ^2/NDF:32910.7/3

Left: 89.199+/-0.022 χ^2/NDF: 208818.3/9

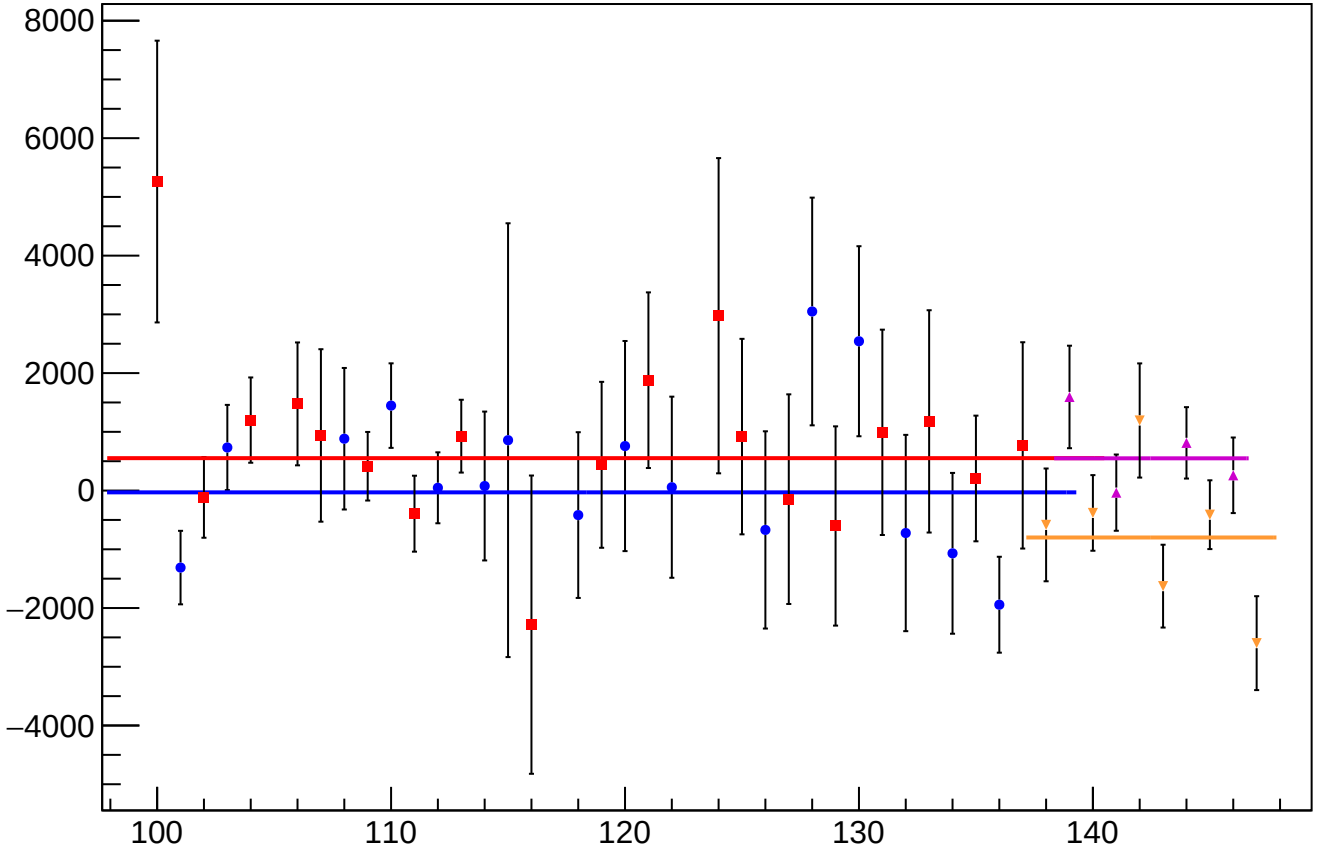
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 83.054+/-0.018 χ^2/NDF:843170.3/19

Out: 82.372+/-0.017 χ^2/NDF:1221373.3/24

All: 82.695+/-0.013 χ^2/NDF: 2065269.8/44

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: -798.886+/-300.868 χ^2/NDF:11.6/5

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 549.053+/-336.941 χ^2/NDF:2.6/3

Left: -200.908+/-224.420 χ^2/NDF: 23.1/9

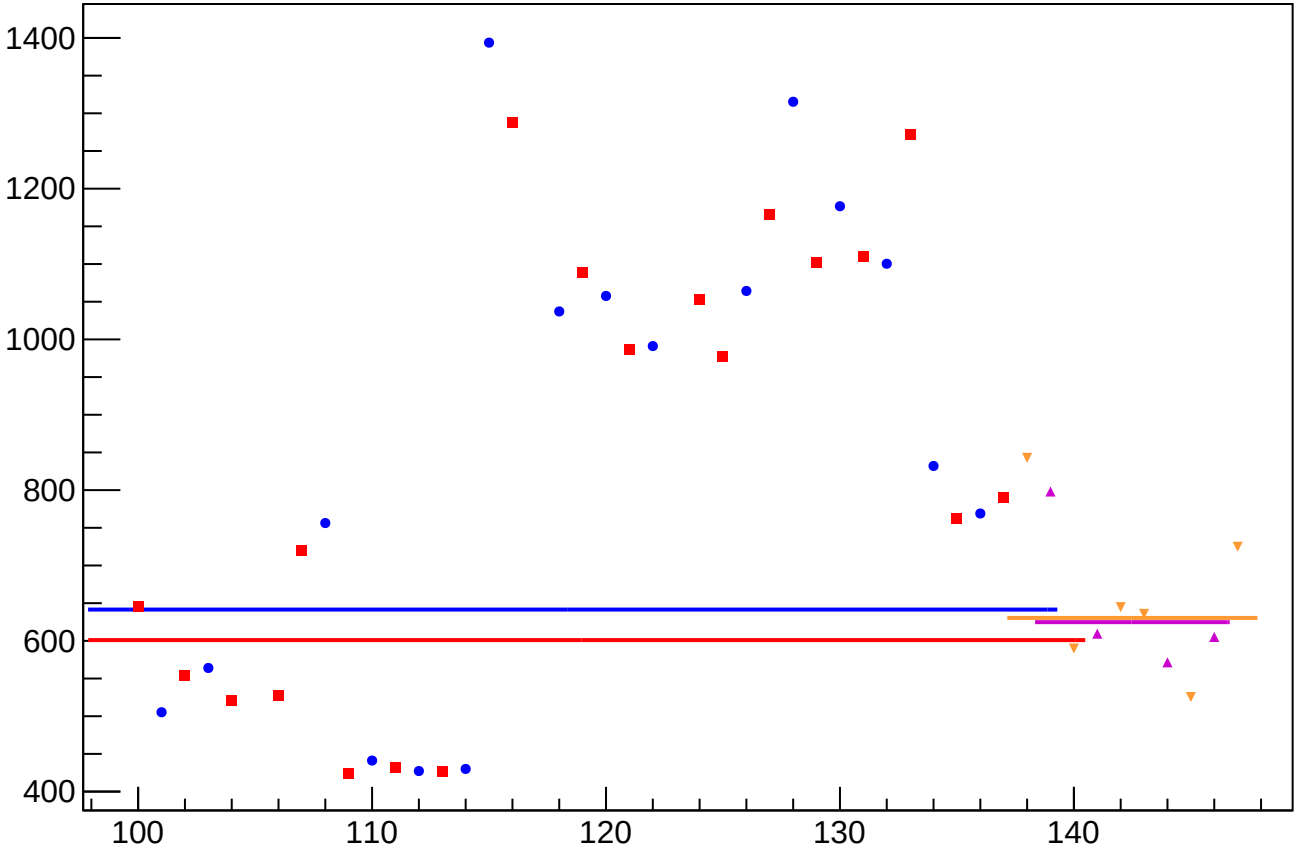
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 182.705+/-204.344 χ^2/NDF:26.4/19

Out: 30.294+/-186.968 χ^2/NDF:36.7/24

All: 99.745+/-137.941 χ^2/NDF: 63.4/44

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: 630.410+/-0.213 χ^2/NDF:198591.3/5

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 624.792+/-0.238 χ^2/NDF:97268.6/3

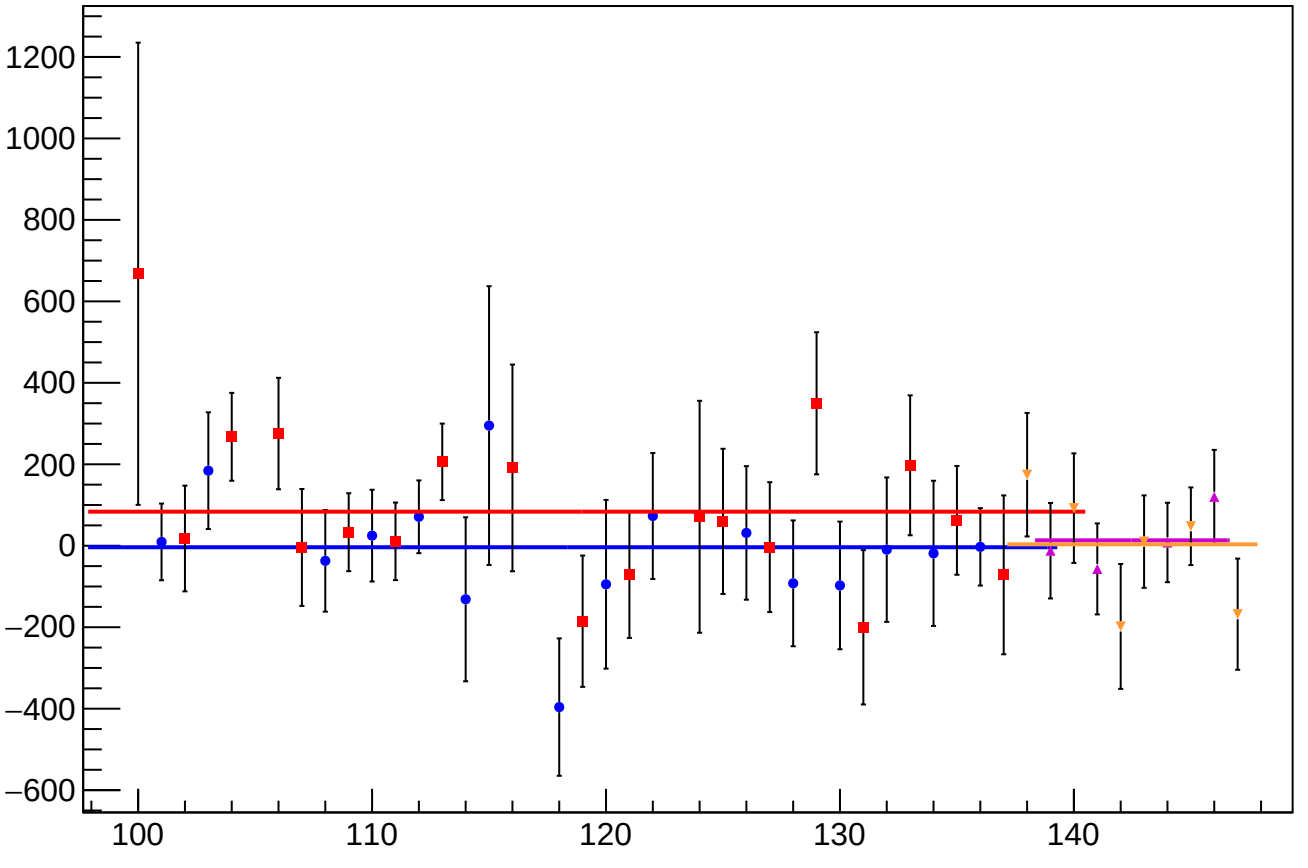
Left: 627.917+/-0.159 χ^2/NDF: 296169.2/9

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 635.359+/-0.144 χ^2/NDF:1975330.6/19

Out: 612.342+/-0.132 χ^2/NDF:2287573.5/24

All: 622.831+/-0.098 χ^2/NDF: 4276716.4/44



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.456+/-51.110 χ^2/NDF:5.2/5

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 13.330+/-54.768 χ^2/NDF:1.3/3

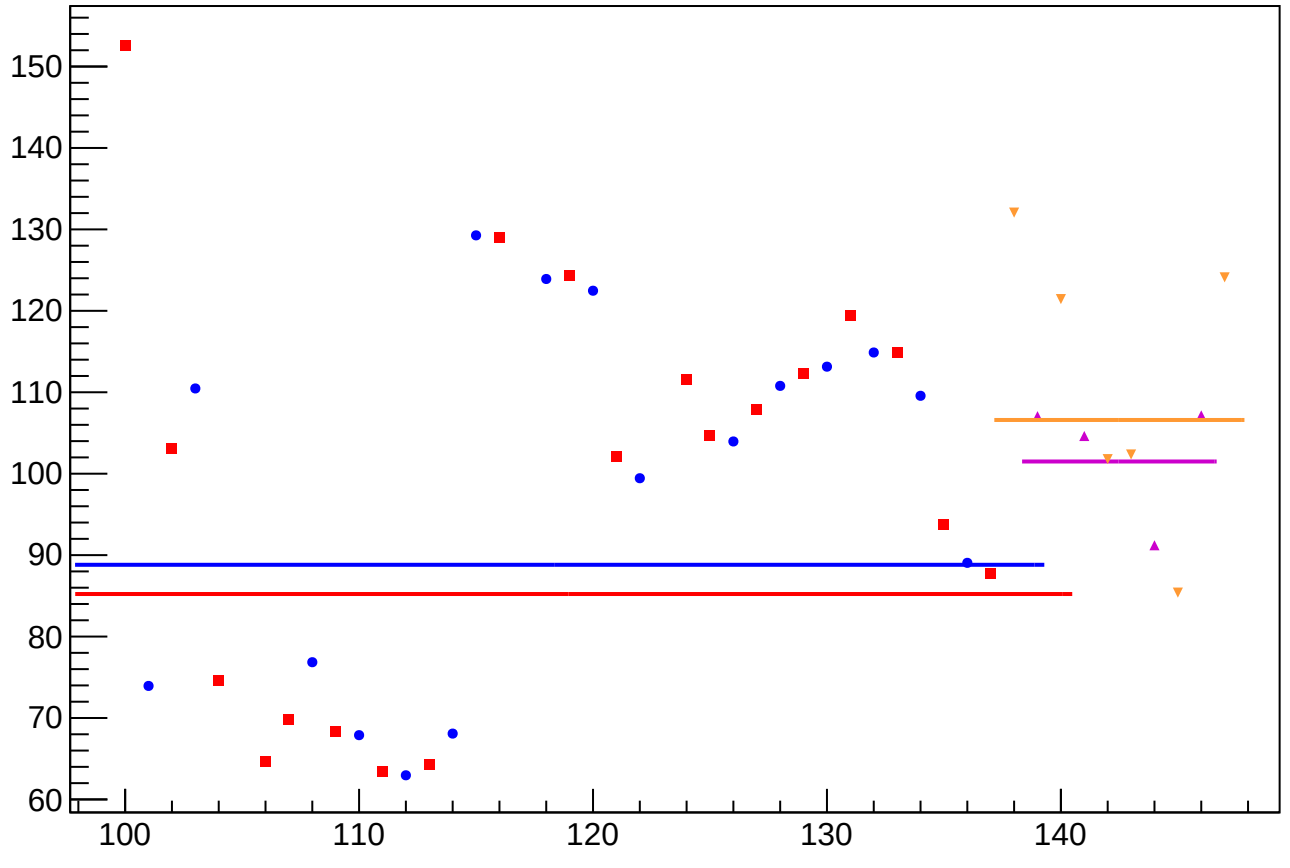
Left: 8.052+/-37.367 χ^2/NDF: 6.6/9

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 1.115+/-28.980 χ^2/NDF:11.7/19

Out: 60.445+/-27.505 χ^2/NDF:26.0/24

All: 32.328+/-19.950 χ^2/NDF: 40.0/44



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 106.597+/-0.036 χ^2/NDF:217503.3/5

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 101.498+/-0.039 χ^2/NDF:33182.1/3

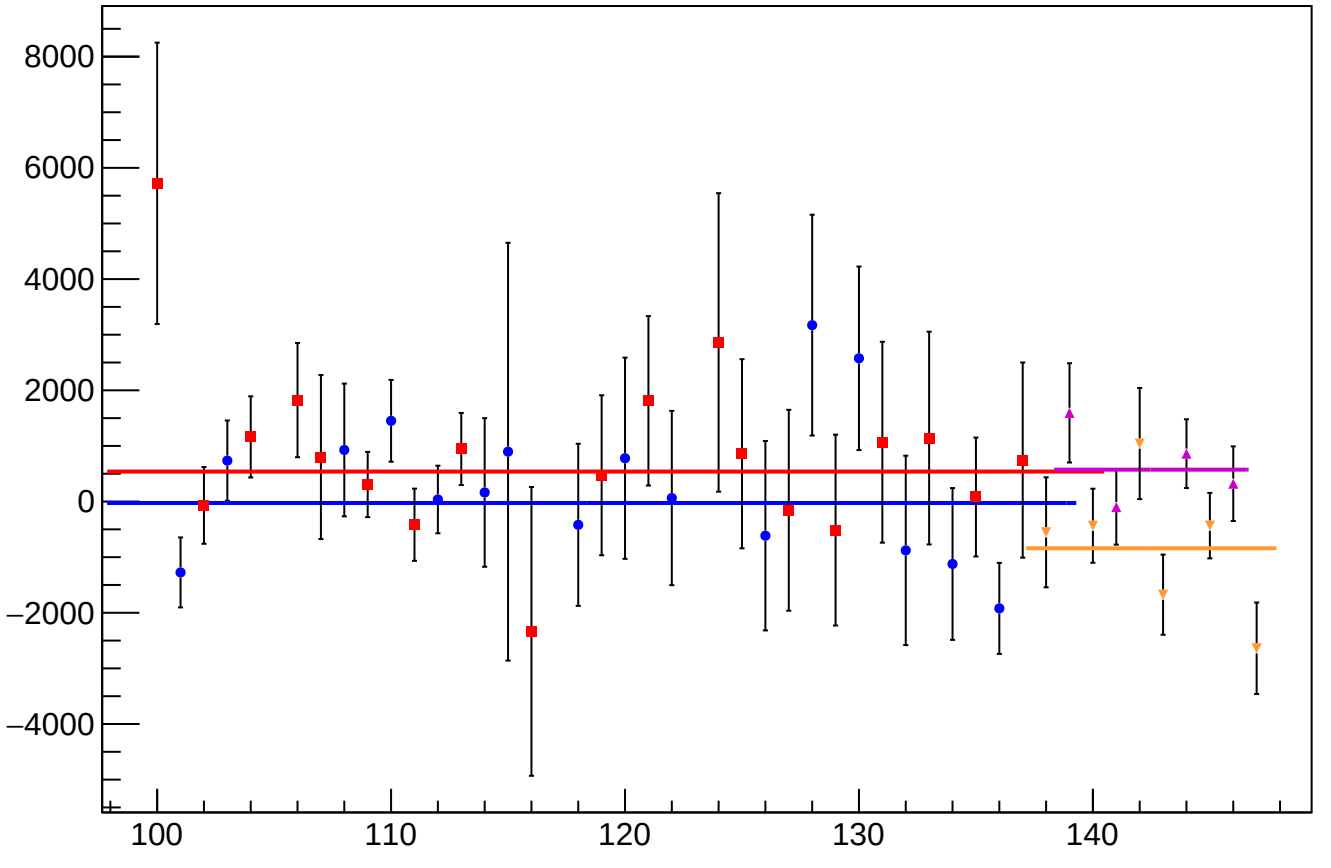
Left: 104.224+/-0.026 χ^2/NDF: 259951.3/9

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 92.365+/-0.020 χ^2/NDF:835043.0/19

Out: 91.414+/-0.019 χ^2/NDF:1350022.6/24

All: 91.865+/-0.014 χ^2/NDF: 2186198.4/44



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -839.904+/-307.627 χ^2/NDF:10.6/5

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 573.353+/-347.522 χ^2/NDF:2.7/3

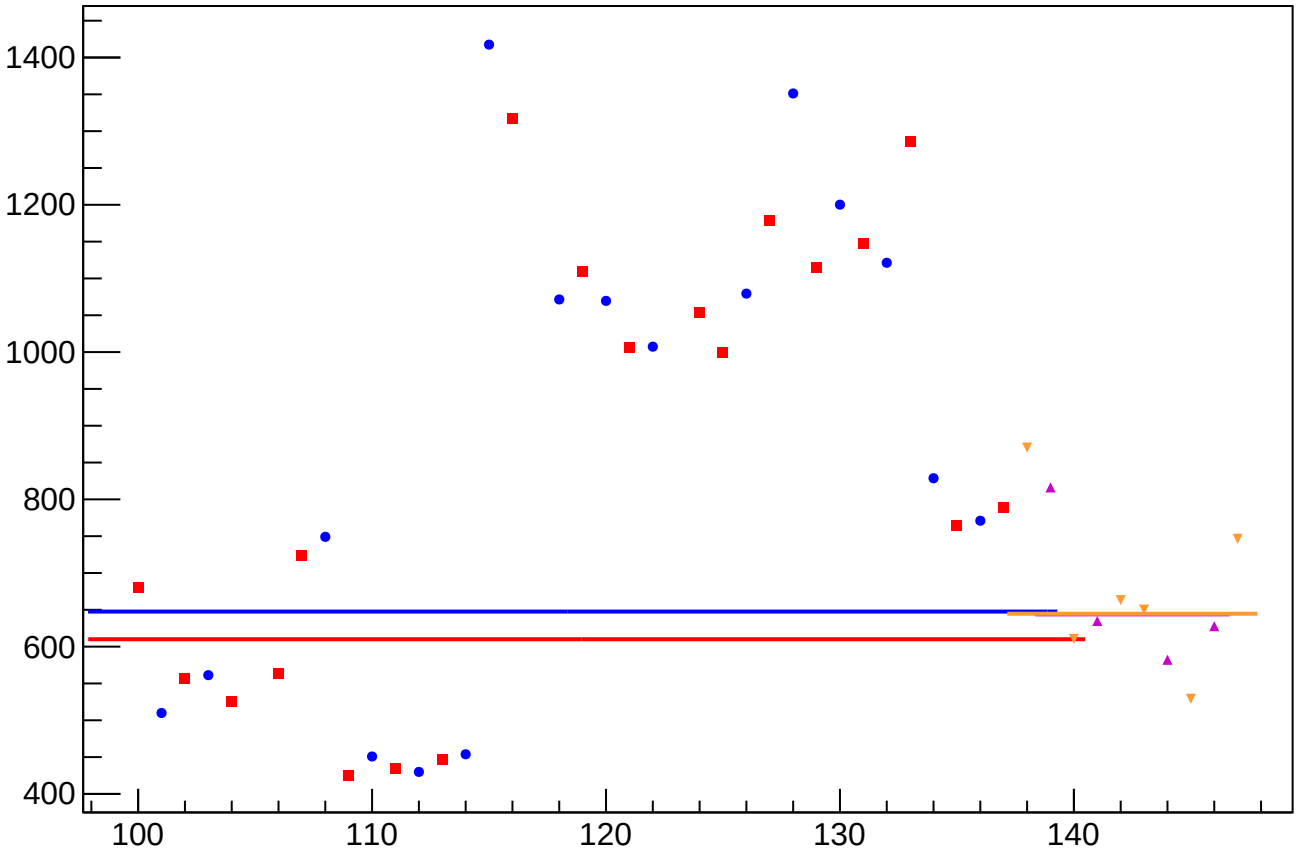
Left: -219.016+/-230.345 χ^2/NDF: 22.5/9

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 188.599+/-207.877 χ^2/NDF:26.1/19

Out: 14.324+/-189.831 χ^2/NDF:36.7/24

All: 93.570+/-140.177 χ^2/NDF: 63.2/44



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 644.685+/-0.218 χ^2/NDF:217723.8/5

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 643.824+/-0.246 χ^2/NDF:95973.6/3

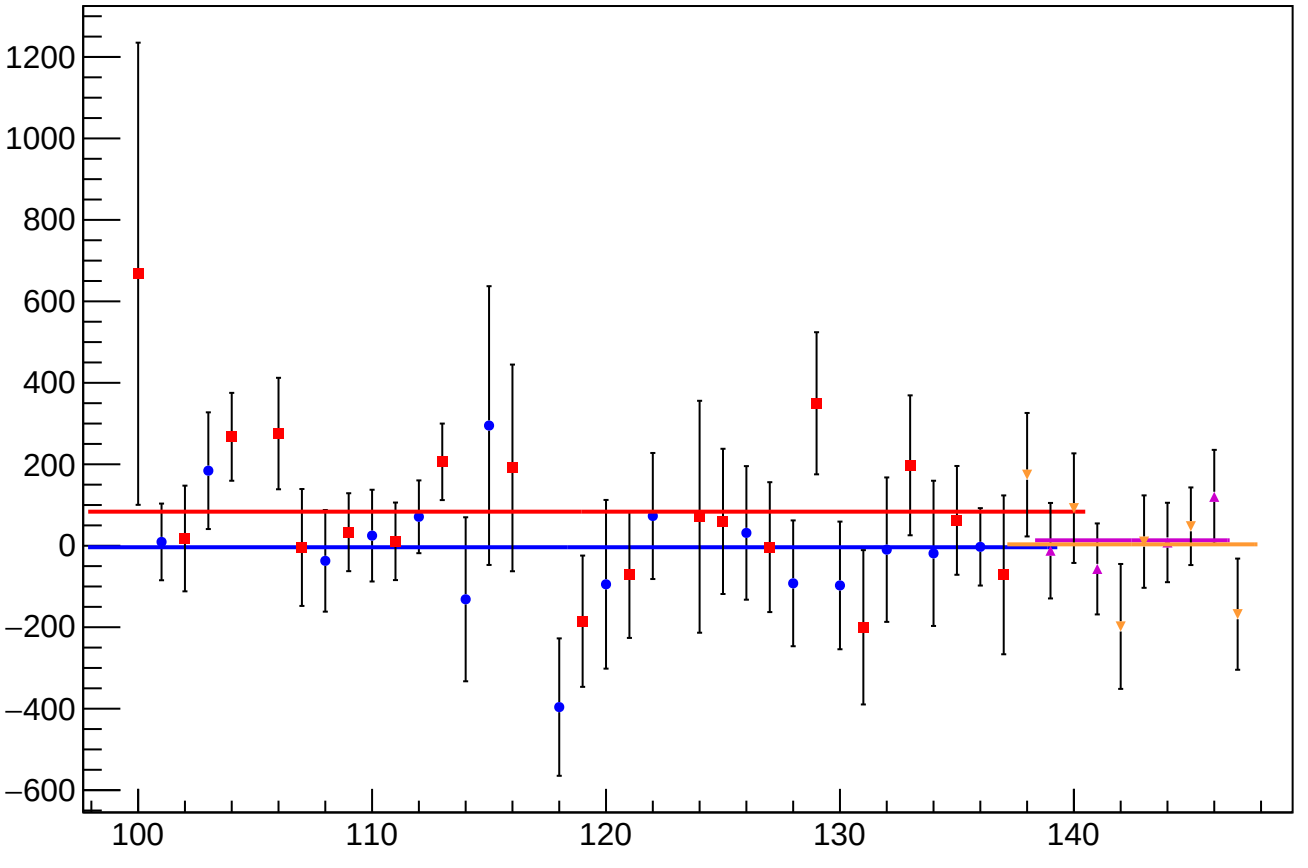
Left: 644.307+/-0.163 χ^2/NDF: 313704.2/9

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 646.275+/-0.147 χ^2/NDF:1983944.4/19

Out: 623.245+/-0.134 χ^2/NDF:2307660.5/24

All: 633.717+/-0.099 χ^2/NDF: 4304990.2/44



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.456+/-51.110 χ^2/NDF:5.2/5

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 13.331+/-54.768 χ^2/NDF:1.3/3

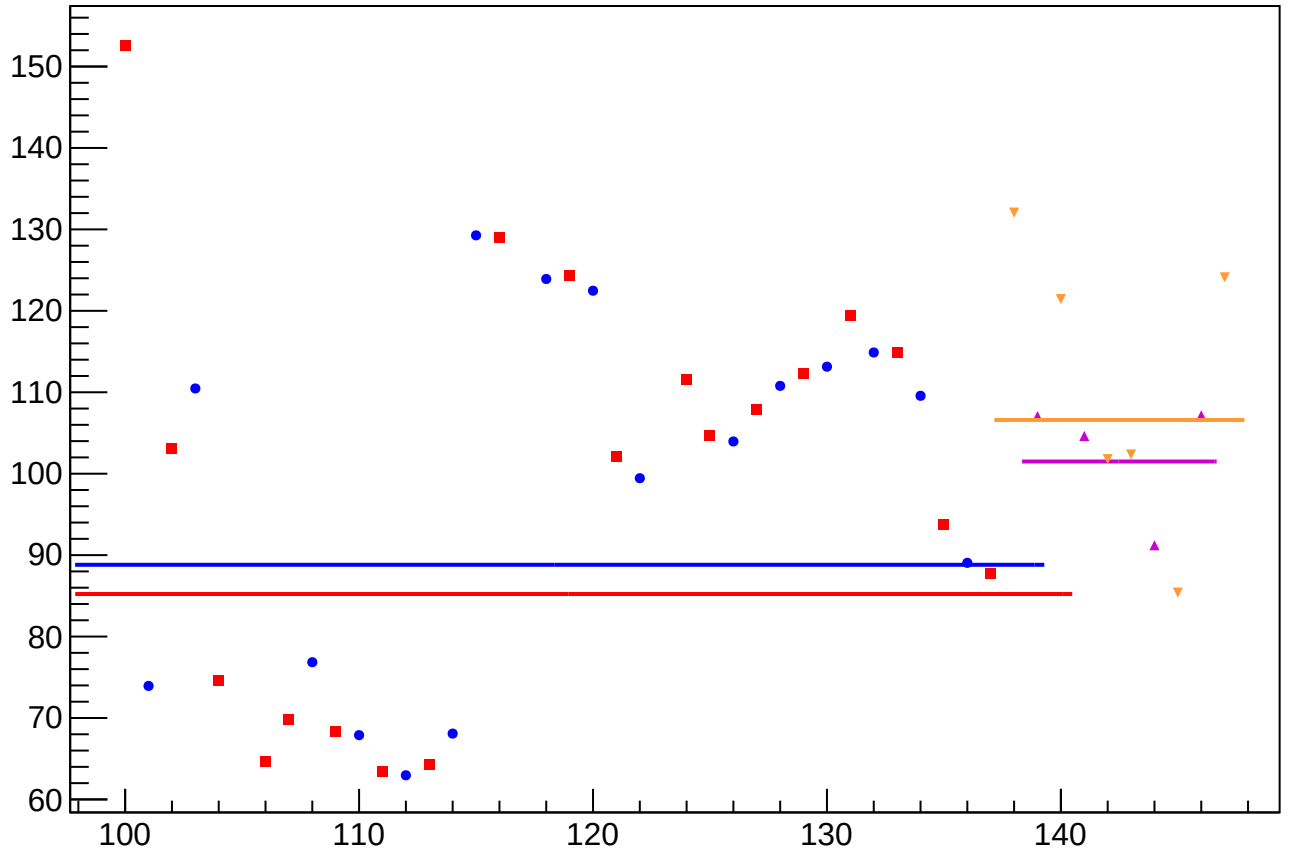
Left: 8.053+/-37.367 χ^2/NDF: 6.6/9

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 1.116+/-28.980 χ^2/NDF:11.7/19

Out: 60.445+/-27.505 χ^2/NDF:26.0/24

All: 32.329+/-19.950 χ^2/NDF: 40.0/44



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 106.598+/-0.036 χ^2/NDF:217501.8/5

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 101.499+/-0.039 χ^2/NDF:33182.4/3

Left: 104.224+/-0.026 χ^2/NDF: 259949.9/9

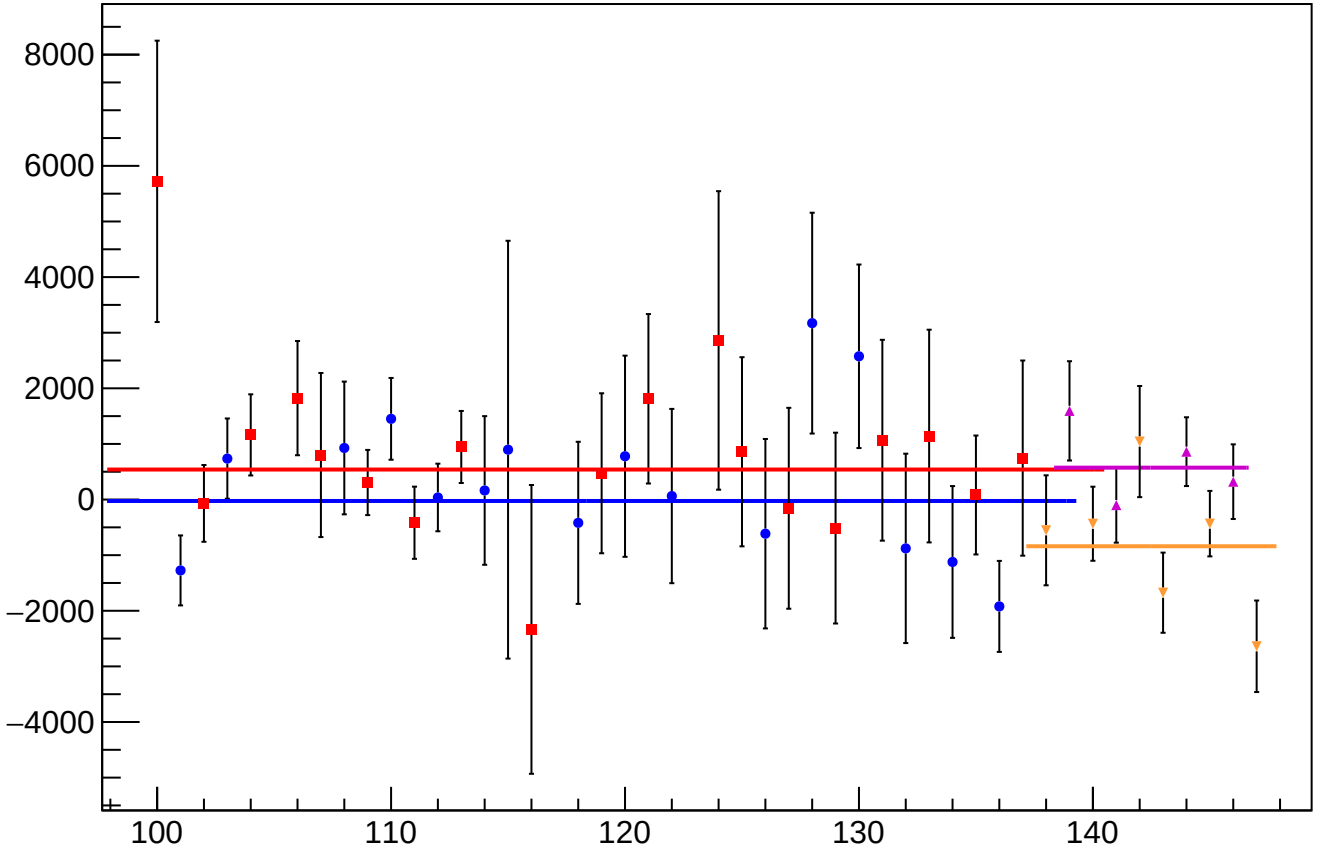
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 92.365+/-0.020 χ^2/NDF:835046.8/19

Out: 91.414+/-0.019 χ^2/NDF:1350029.3/24

All: 91.865+/-0.014 χ^2/NDF: 2186208.9/44

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: -839.903+/-307.627 χ^2/NDF:10.6/5

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 573.353+/-347.522 χ^2/NDF:2.7/3

Left: -219.016+/-230.344 χ^2/NDF: 22.5/9

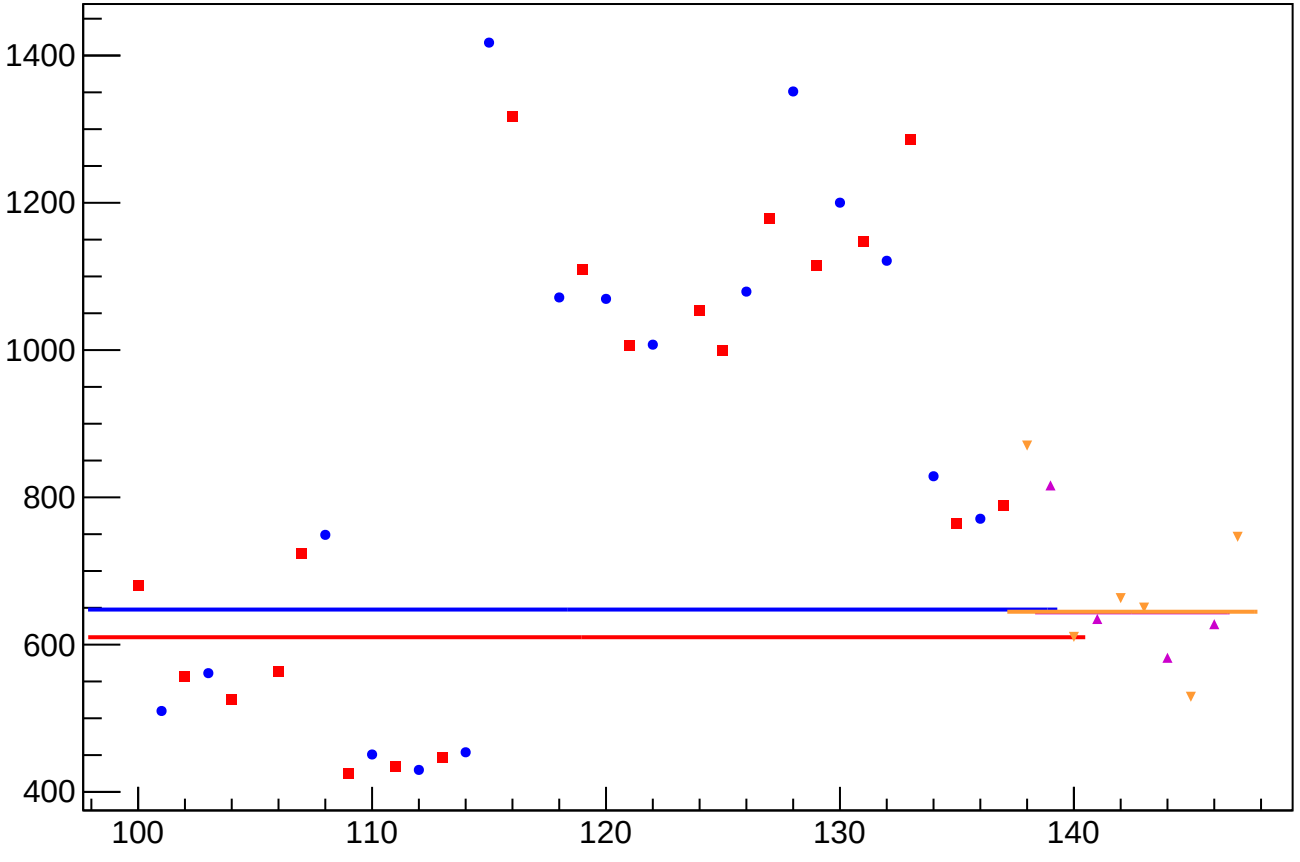
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 188.599+/-207.876 χ^2/NDF:26.1/19

Out: 14.324+/-189.830 χ^2/NDF:36.7/24

All: 93.570+/-140.177 χ^2/NDF: 63.2/44

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: 644.684+/-0.218 χ^2/NDF:217725.8/5

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 643.824+/-0.246 χ^2/NDF:95973.5/3

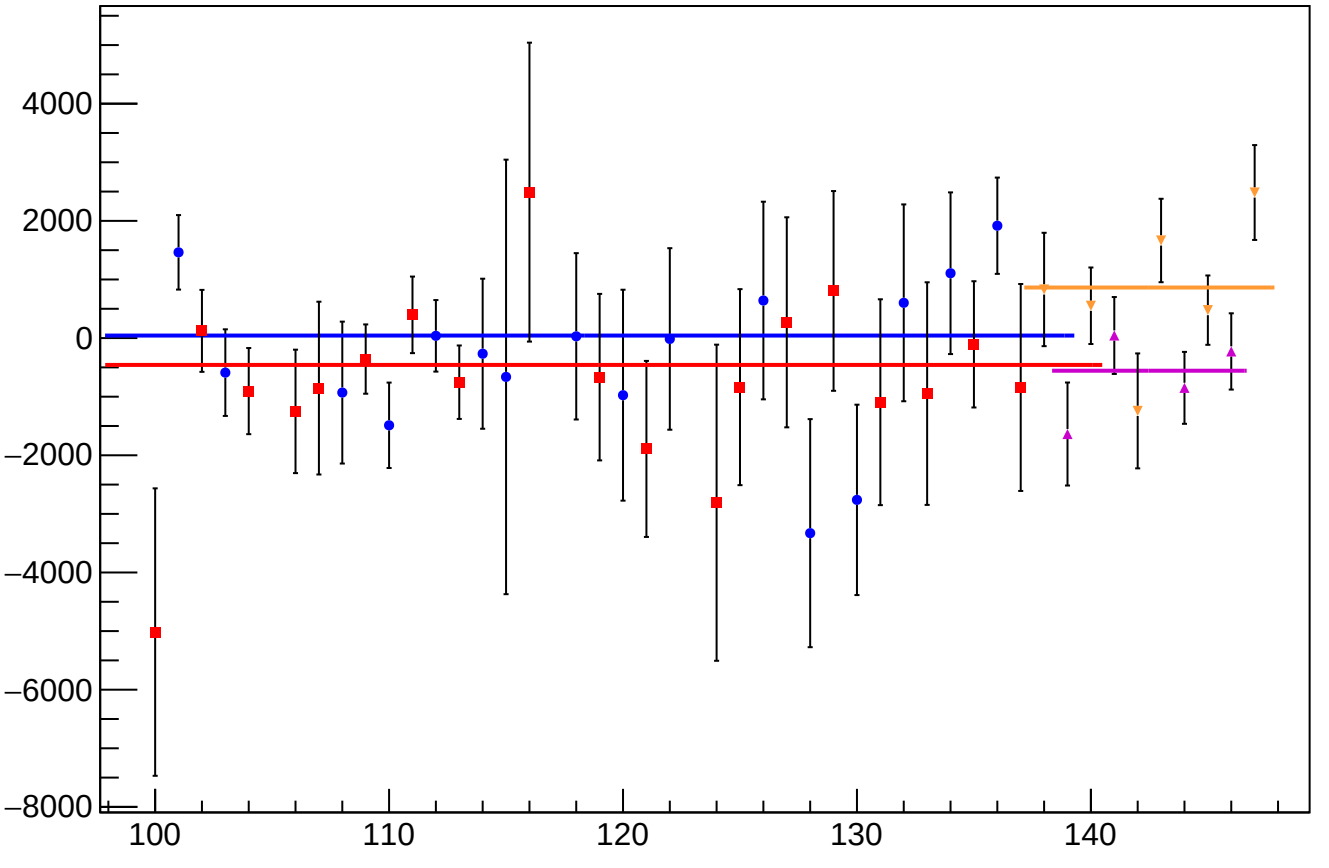
Left: 644.306+/-0.163 χ^2/NDF: 313706.1/9

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 646.275+/-0.147 χ^2/NDF:1983948.9/19

Out: 623.244+/-0.134 χ^2/NDF:2307665.5/24

All: 633.717+/-0.099 χ^2/NDF: 4305000.0/44



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 862.901+/-304.131 χ^2/NDF:10.5/5

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -557.052+/-340.328 χ^2/NDF:2.8/3

Left: 232.426+/-226.775 χ^2/NDF: 23.1/9

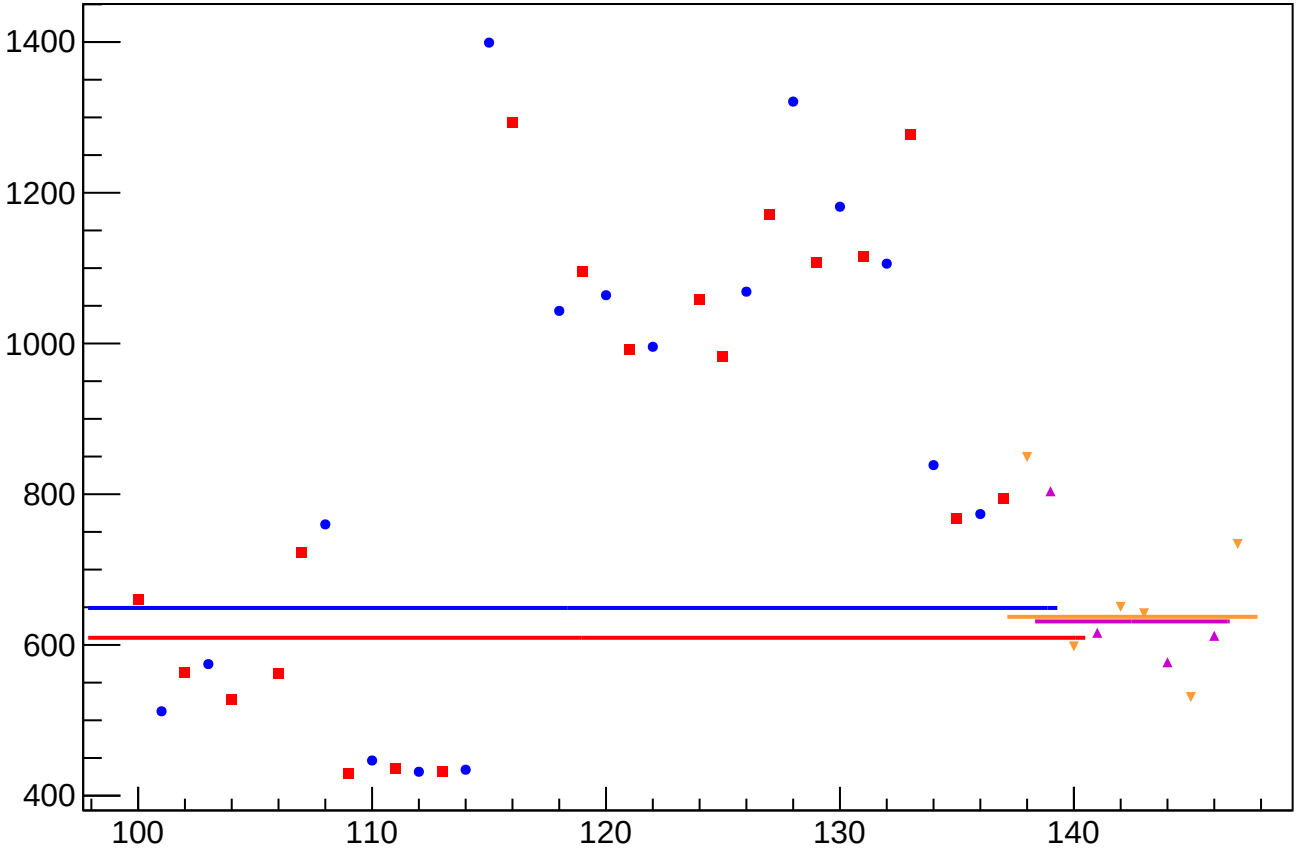
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -177.832+/-206.504 χ^2/NDF:28.0/19

Out: 51.739+/-188.942 χ^2/NDF:33.4/24

All: -52.871+/-139.398 χ^2/NDF: 62.1/44

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 637.334+/-0.215 χ^2/NDF:197029.5/5

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 631.204+/-0.241 χ^2/NDF:95622.6/3

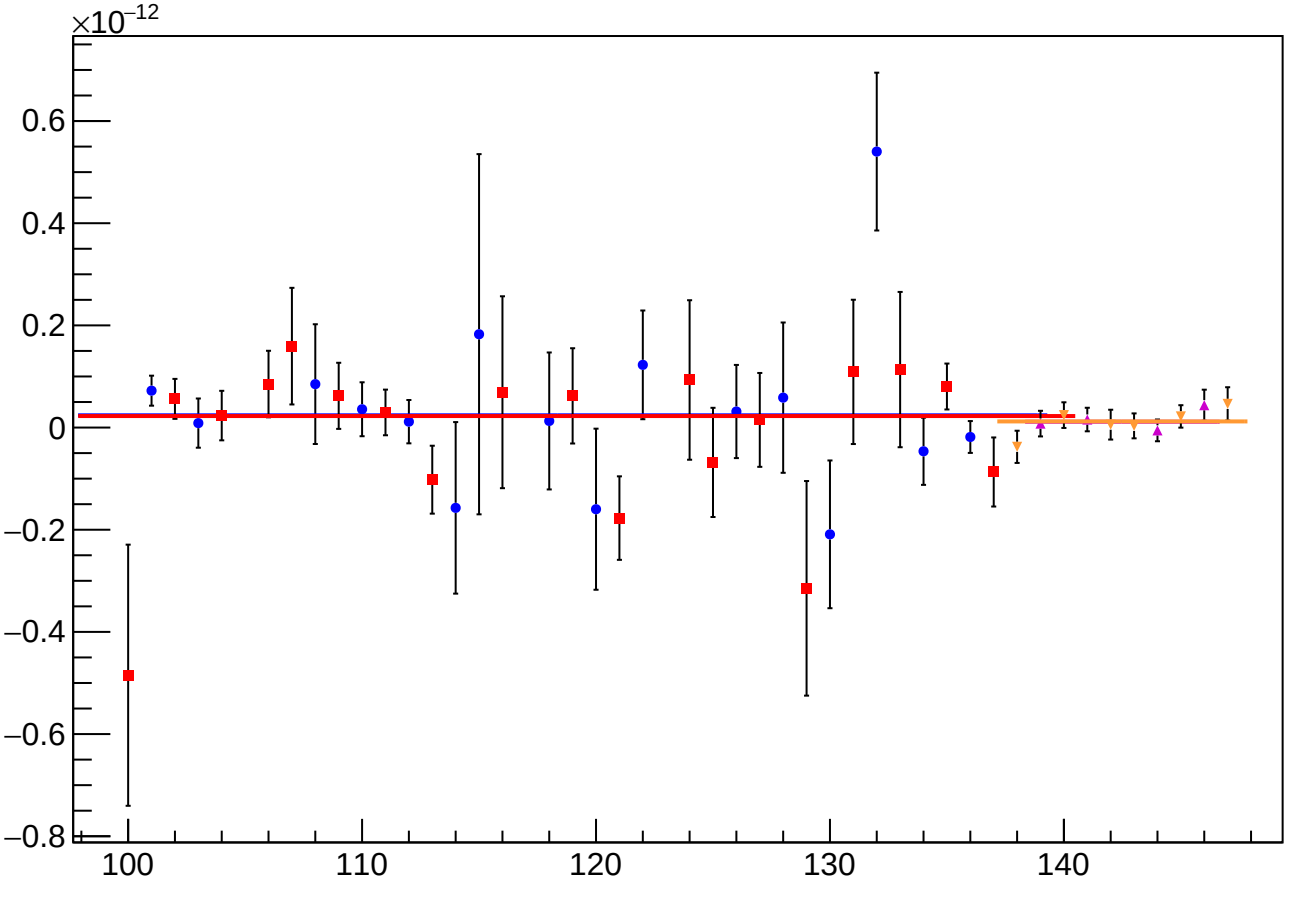
Left: 634.612+/-0.160 χ^2/NDF: 293012.9/9

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 642.505+/-0.146 χ^2/NDF:1944928.7/19

Out: 620.253+/-0.134 χ^2/NDF:2250895.0/24

All: 630.393+/-0.099 χ^2/NDF: 4208464.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/3

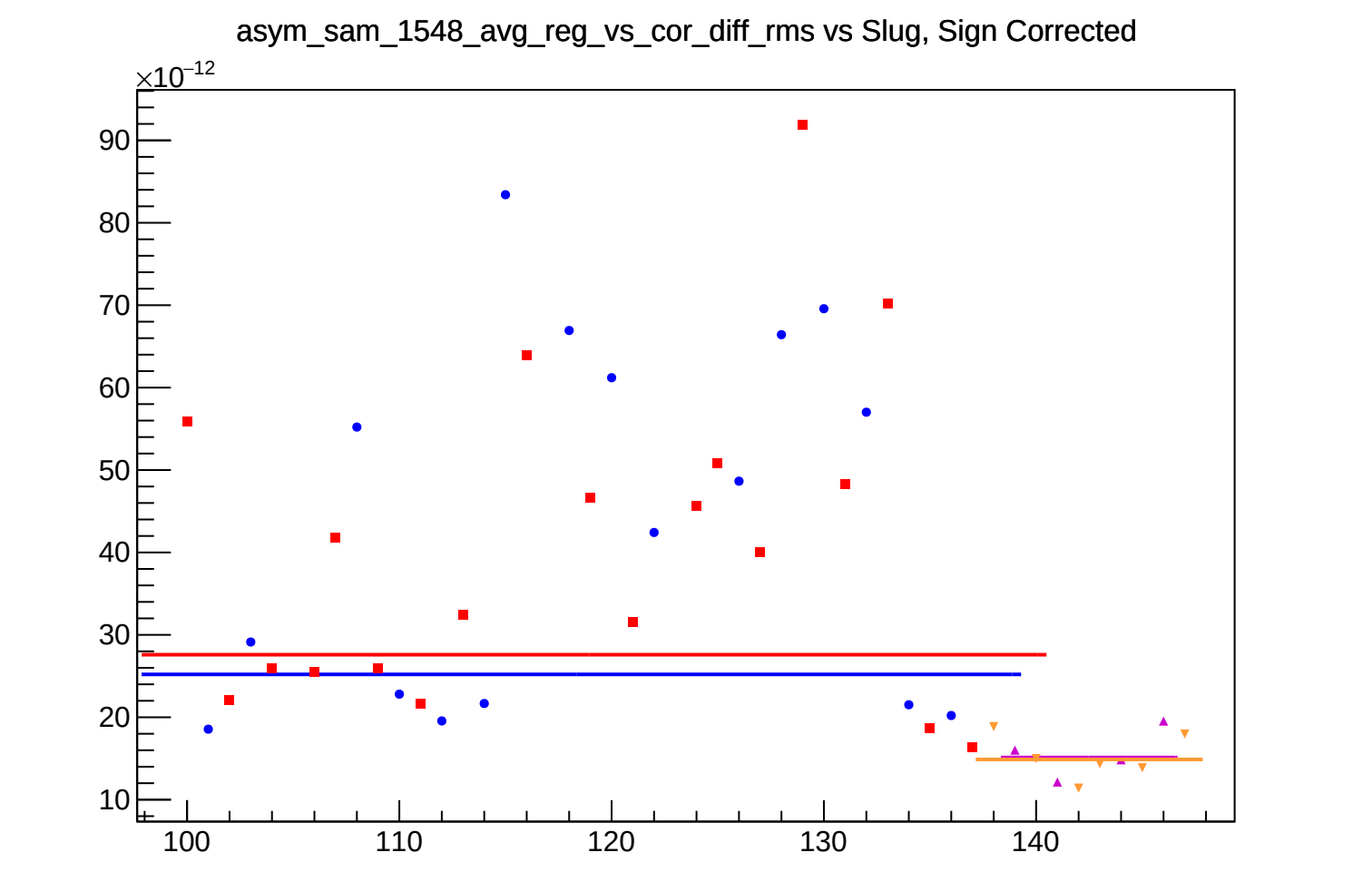
Left: 0.000+/-0.000 χ^2/NDF: 6.0/9

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:25.9/19

Out: 0.000+/-0.000 χ^2/NDF:30.2/24

All: 0.000+/-0.000 χ^2/NDF: 56.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:83600.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:78534.6/3

Left: 0.000+/-0.000 χ^2/NDF: 162557.8/9

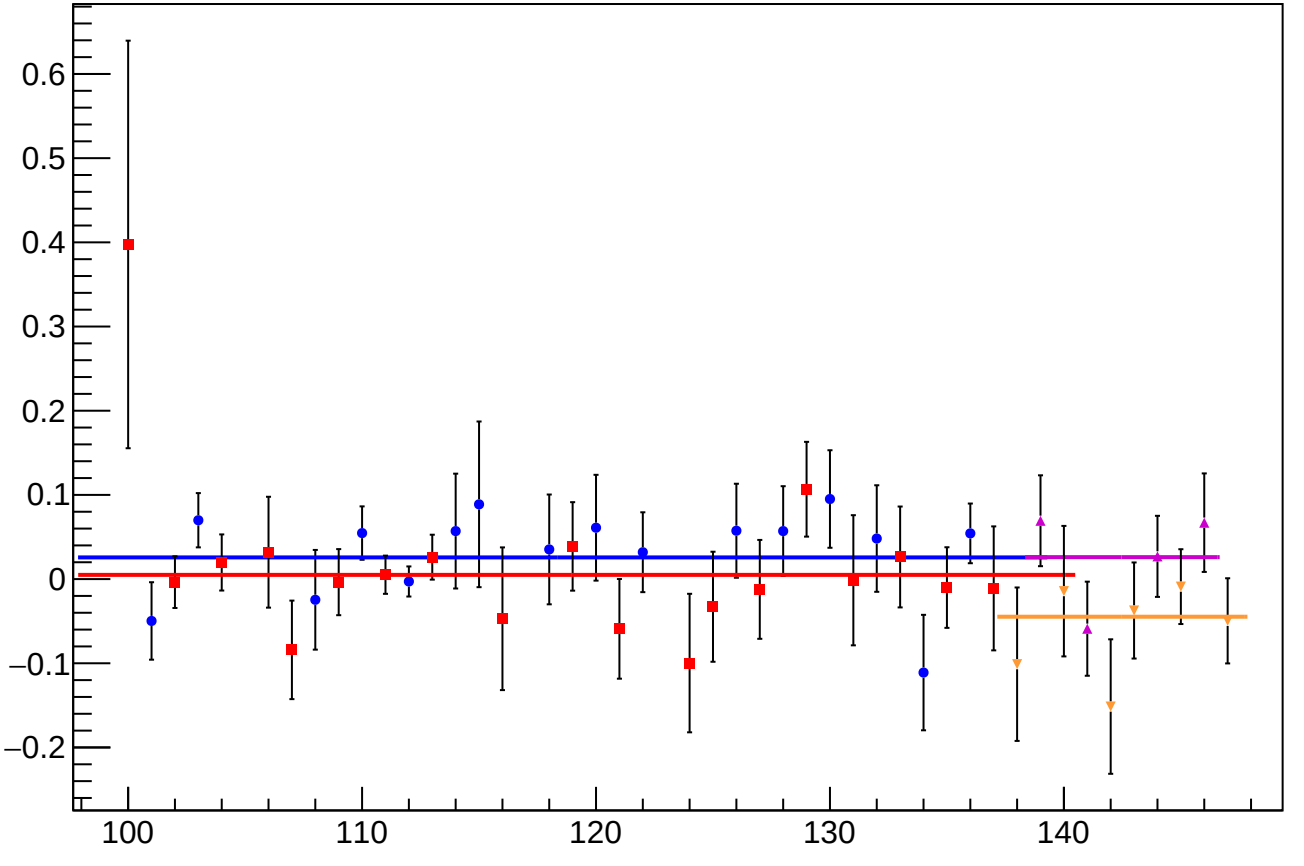
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:1926807.8/19

Out: 0.000+/-0.000 χ^2/NDF:1910319.6/24

All: 0.000+/-0.000 χ^2/NDF: 3837980.5/44

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.026+/-0.027 χ^2/NDF:3.4/3

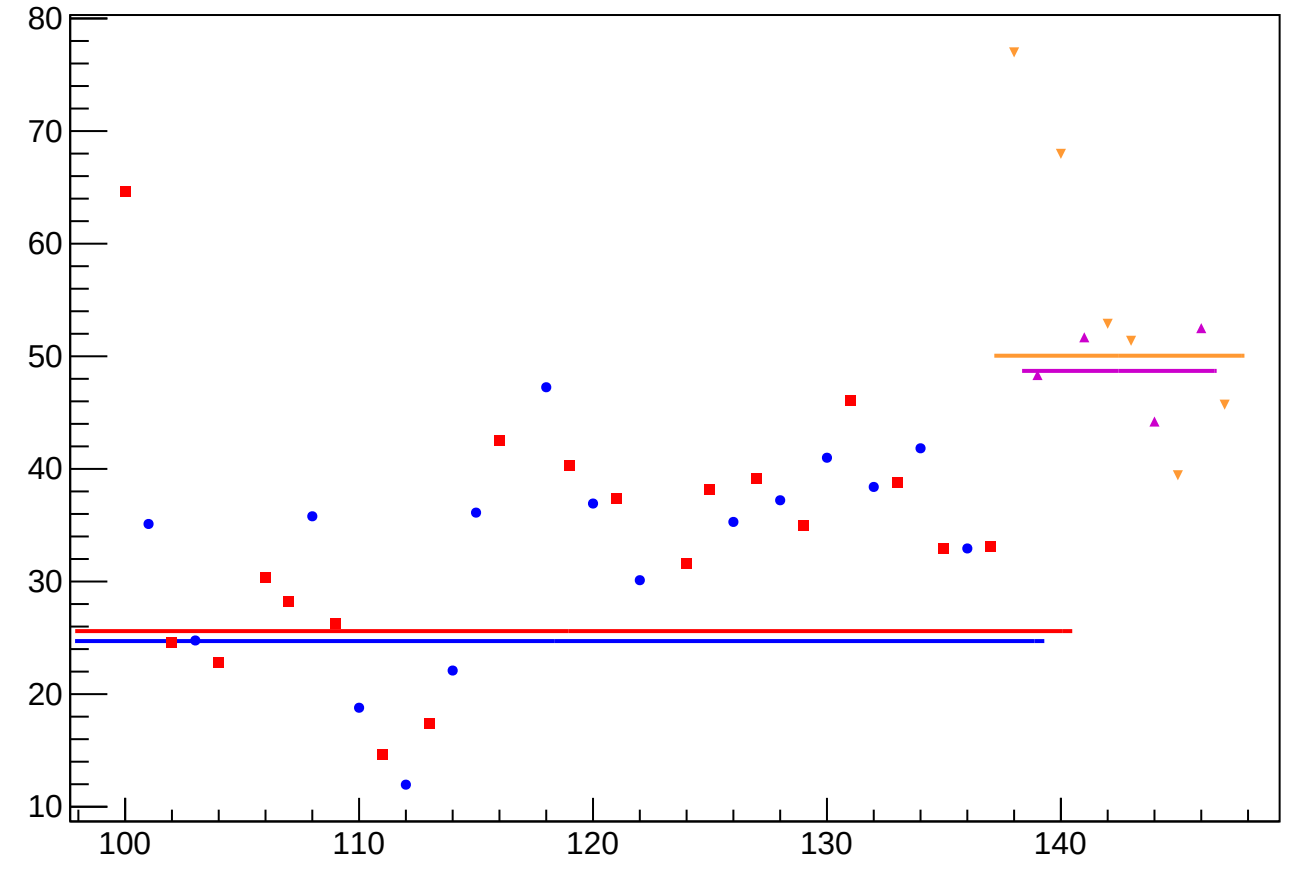
Left: -0.012+/-0.018 χ^2/NDF: 10.2/9

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:20.0/19

Out: -0.002+/-0.010 χ^2/NDF:20.1/24

All: 0.011+/-0.007 χ^2/NDF: 44.3/44



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 50.052+/-0.017 χ^2/NDF:414246.2/5

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 48.704+/-0.019 χ^2/NDF:31648.6/3

Left: 49.436+/-0.013 χ^2/NDF: 448634.0/9

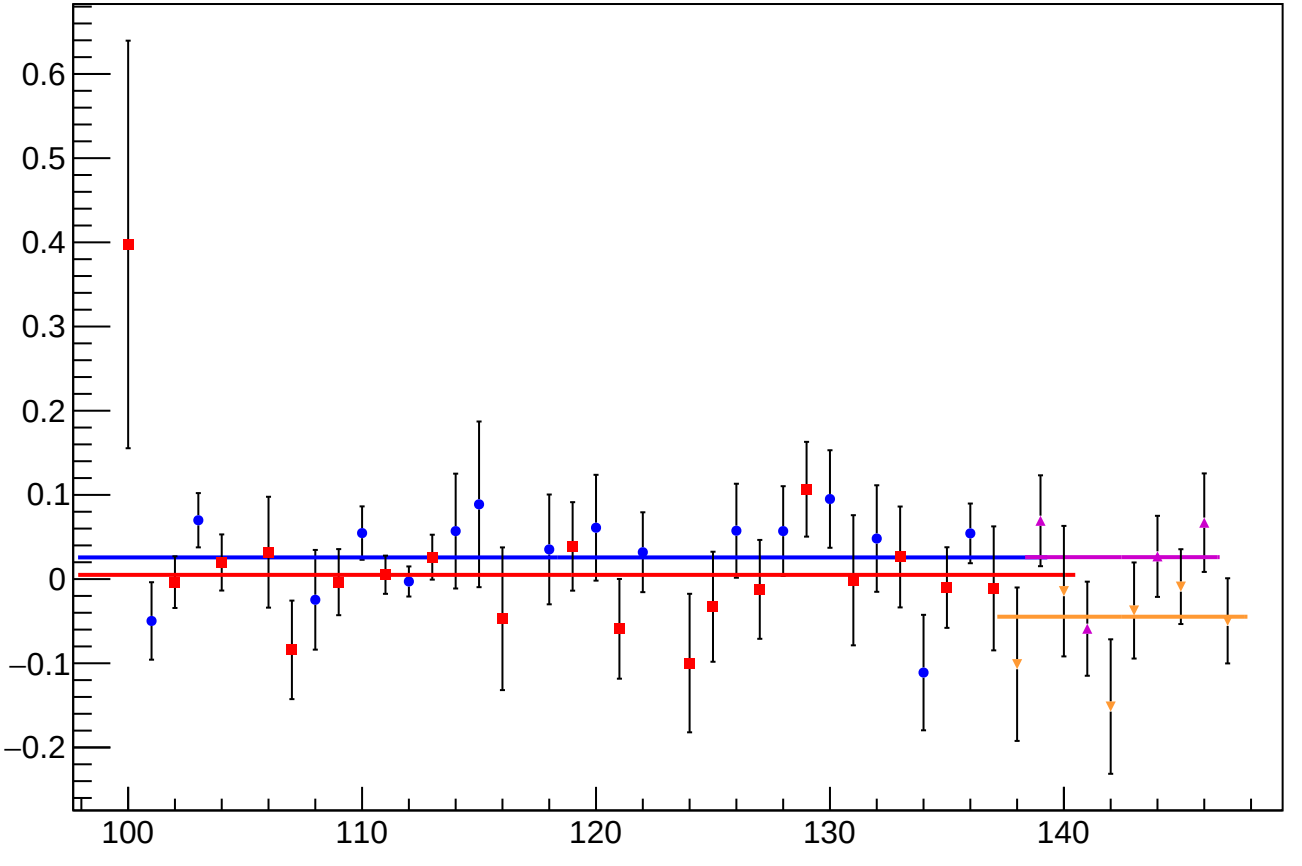
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 27.819+/-0.007 χ^2/NDF:3716469.7/19

Out: 29.266+/-0.007 χ^2/NDF:3695055.8/24

All: 28.551+/-0.005 χ^2/NDF: 7434234.4/44

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: -0.045+/-0.025 χ^2/NDF:3.0/5

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.026+/-0.027 χ^2/NDF:3.4/3

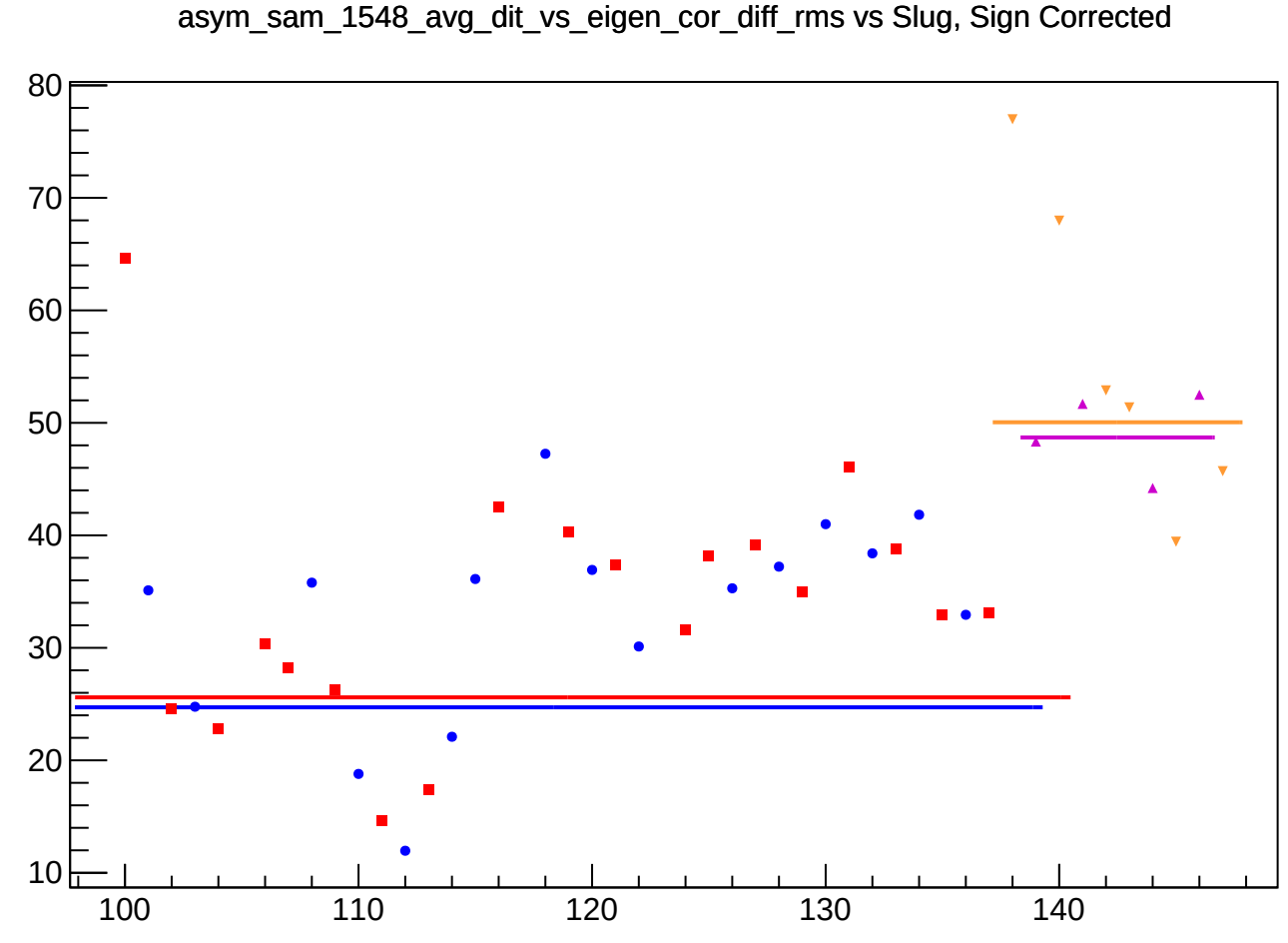
Left: -0.012+/-0.018 χ^2/NDF: 10.2/9

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:20.0/19

Out: -0.002+/-0.010 χ^2/NDF:20.1/24

All: 0.011+/-0.007 χ^2/NDF: 44.3/44



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 50.052+/-0.017 χ^2/NDF:414246.2/5

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 48.704+/-0.019 χ^2/NDF:31648.6/3

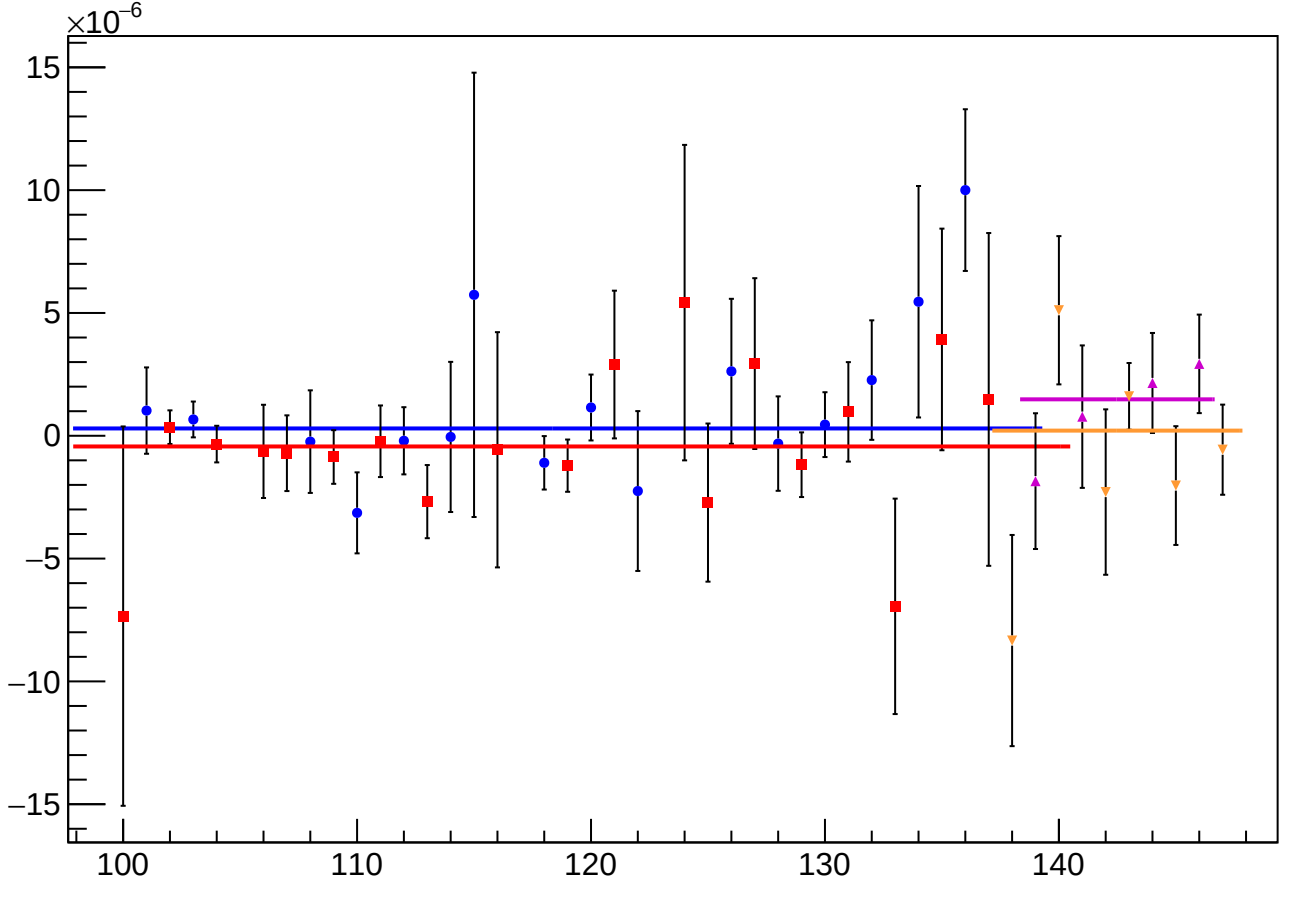
Left: 49.436+/-0.013 χ^2/NDF: 448634.0/9

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 27.819+/-0.007 χ^2/NDF:3716469.7/19

Out: 29.266+/-0.007 χ^2/NDF:3695055.8/24

All: 28.551+/-0.005 χ^2/NDF: 7434234.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/3

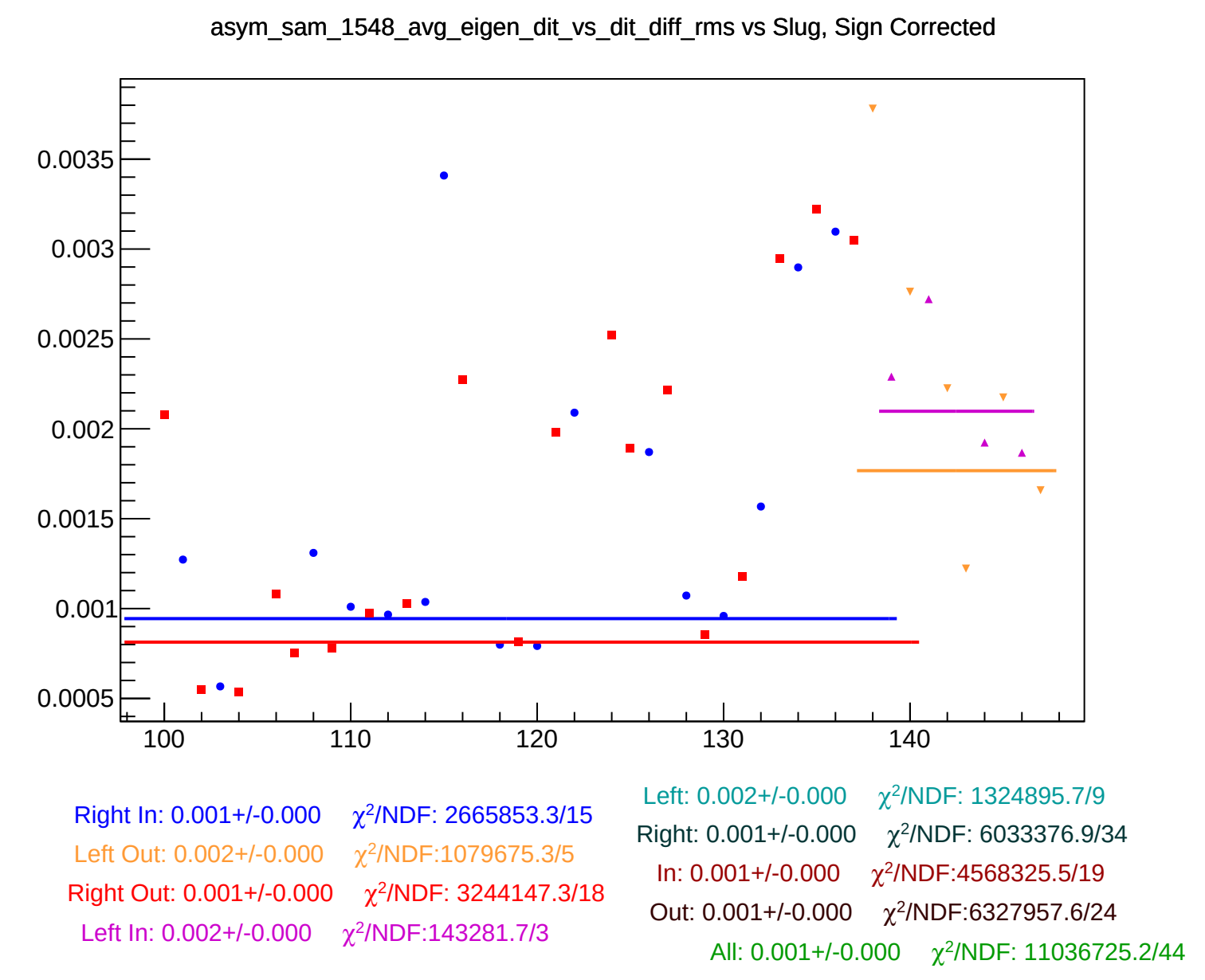
Left: 0.000+/-0.000 χ^2/NDF: 12.1/9

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

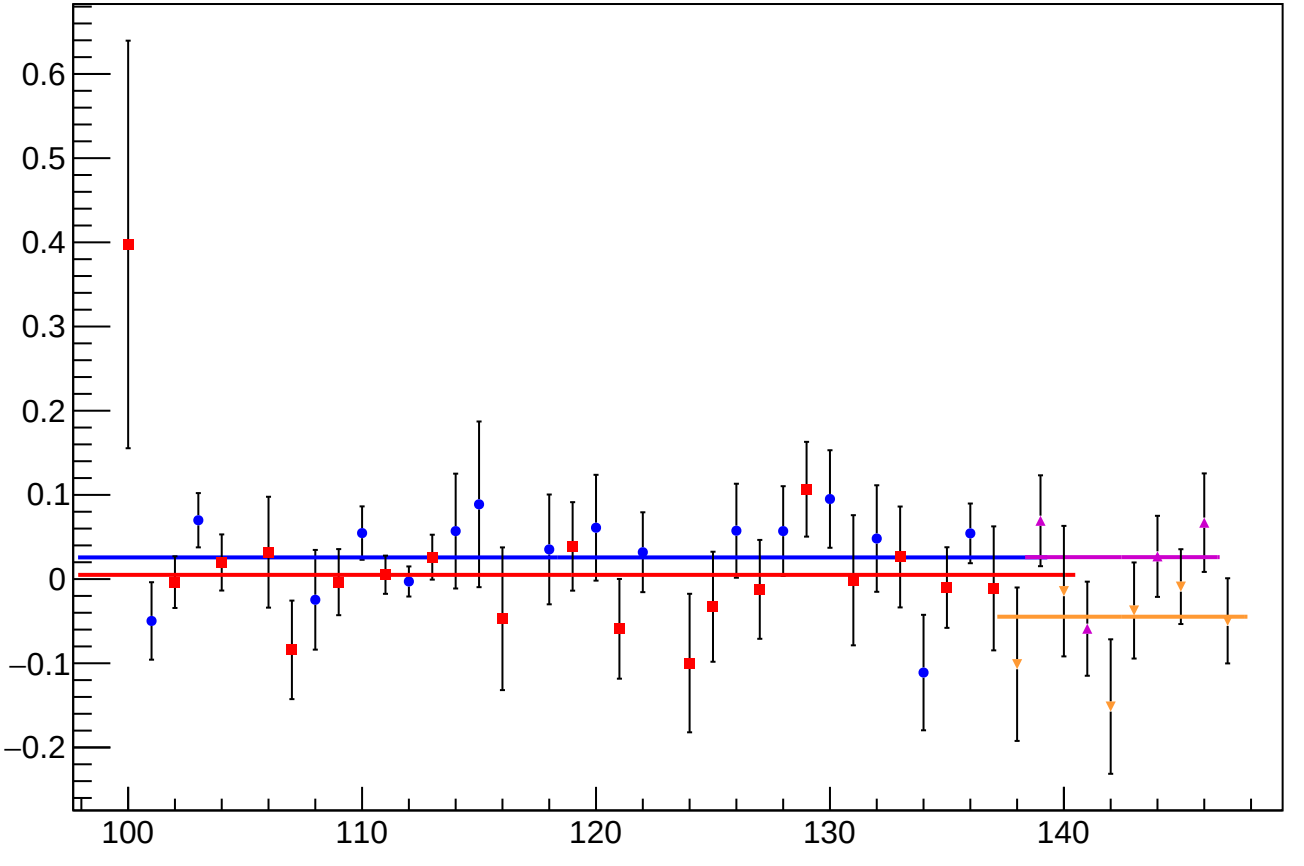
In: 0.000+/-0.000 χ^2/NDF:22.4/19

Out: -0.000+/-0.000 χ^2/NDF:22.4/24

All: -0.000+/-0.000 χ^2/NDF: 47.2/44


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
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1079675.3/5
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:143281.7/3
Left: 0.002+/-0.000 χ²/NDF: 1324895.7/9
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:4568325.5/19
Out: 0.001+/-0.000 χ²/NDF:6327957.6/24
All: 0.001+/-0.000 χ²/NDF: 11036725.2/44

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.045+/-0.025 χ^2/NDF:3.0/5

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.026+/-0.027 χ^2/NDF:3.4/3

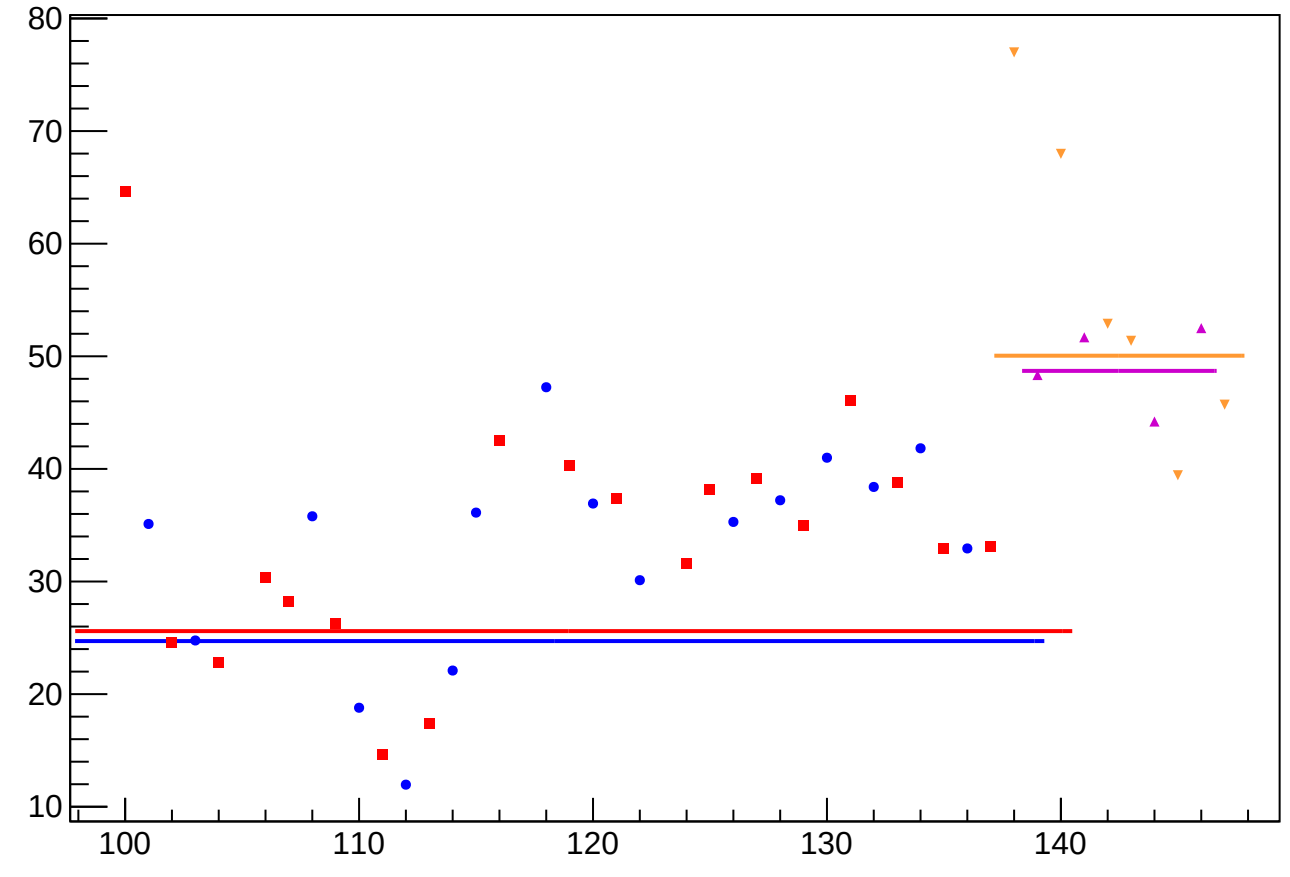
Left: -0.012+/-0.018 χ^2/NDF: 10.2/9

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:20.0/19

Out: -0.002+/-0.010 χ^2/NDF:20.1/24

All: 0.011+/-0.007 χ^2/NDF: 44.3/44



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 50.053+/-0.017 χ^2/NDF:414230.5/5

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 48.704+/-0.019 χ^2/NDF:31652.3/3

Left: 49.437+/-0.013 χ^2/NDF: 448622.1/9

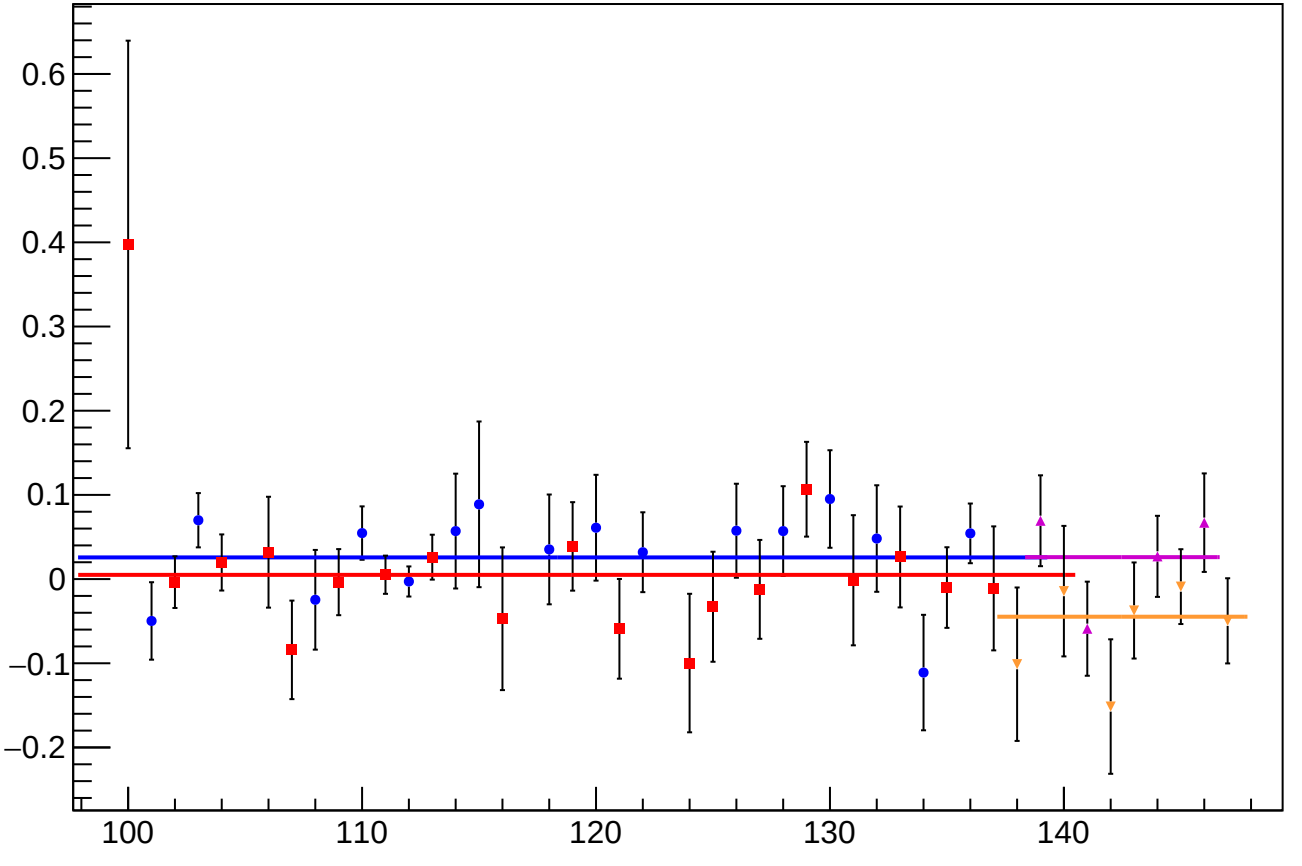
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 27.818+/-0.007 χ^2/NDF:3716763.5/19

Out: 29.265+/-0.007 χ^2/NDF:3695310.8/24

All: 28.551+/-0.005 χ^2/NDF: 7434788.8/44

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: -0.045+/-0.025 χ^2/NDF:3.0/5

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.026+/-0.027 χ^2/NDF:3.4/3

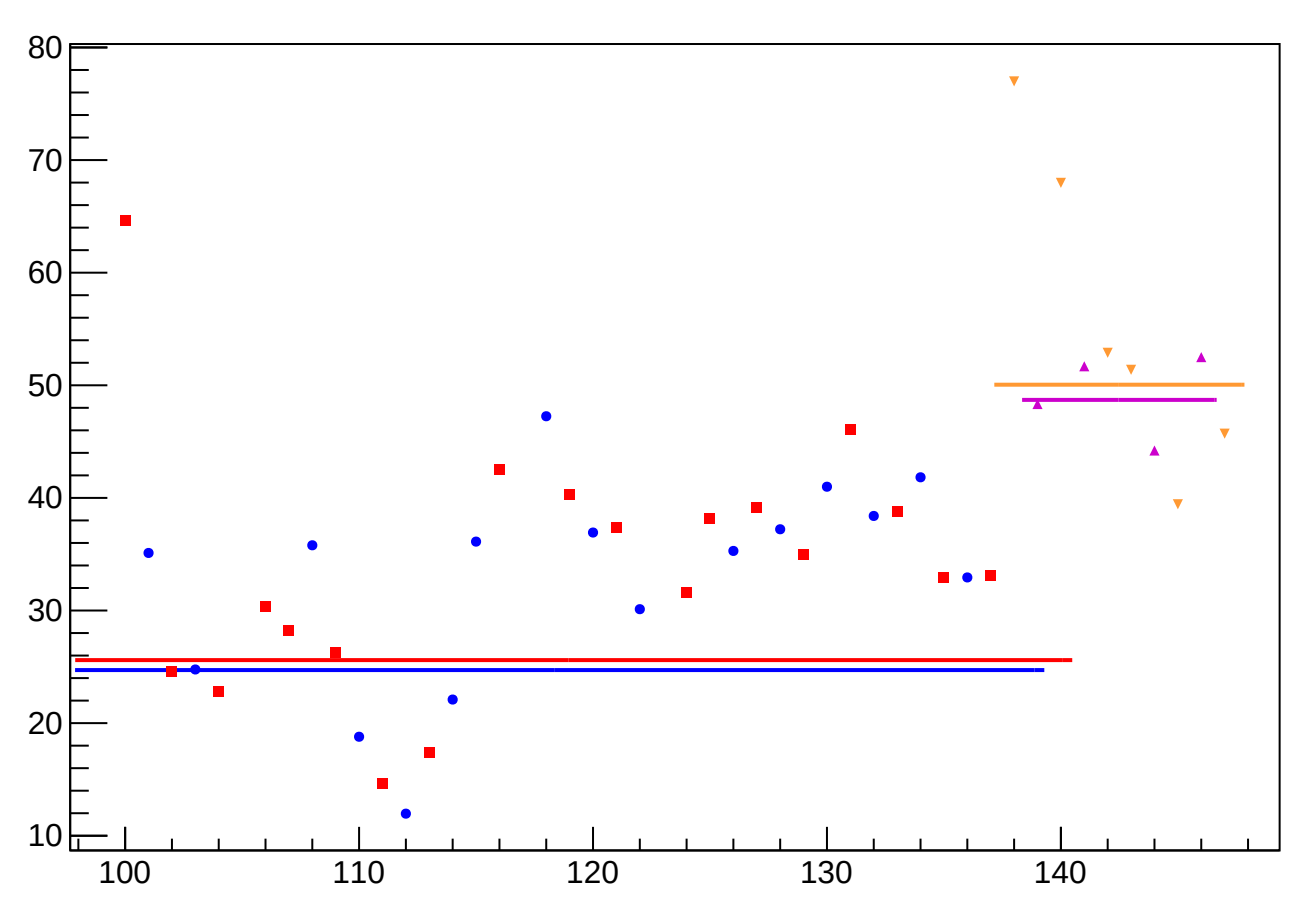
Left: -0.012+/-0.018 χ^2/NDF: 10.2/9

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.026+/-0.010 χ^2/NDF:20.0/19

Out: -0.002+/-0.010 χ^2/NDF:20.1/24

All: 0.011+/-0.007 χ^2/NDF: 44.3/44



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 50.053+/-0.017 χ^2/NDF:414230.5/5

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 48.704+/-0.019 χ^2/NDF:31652.3/3

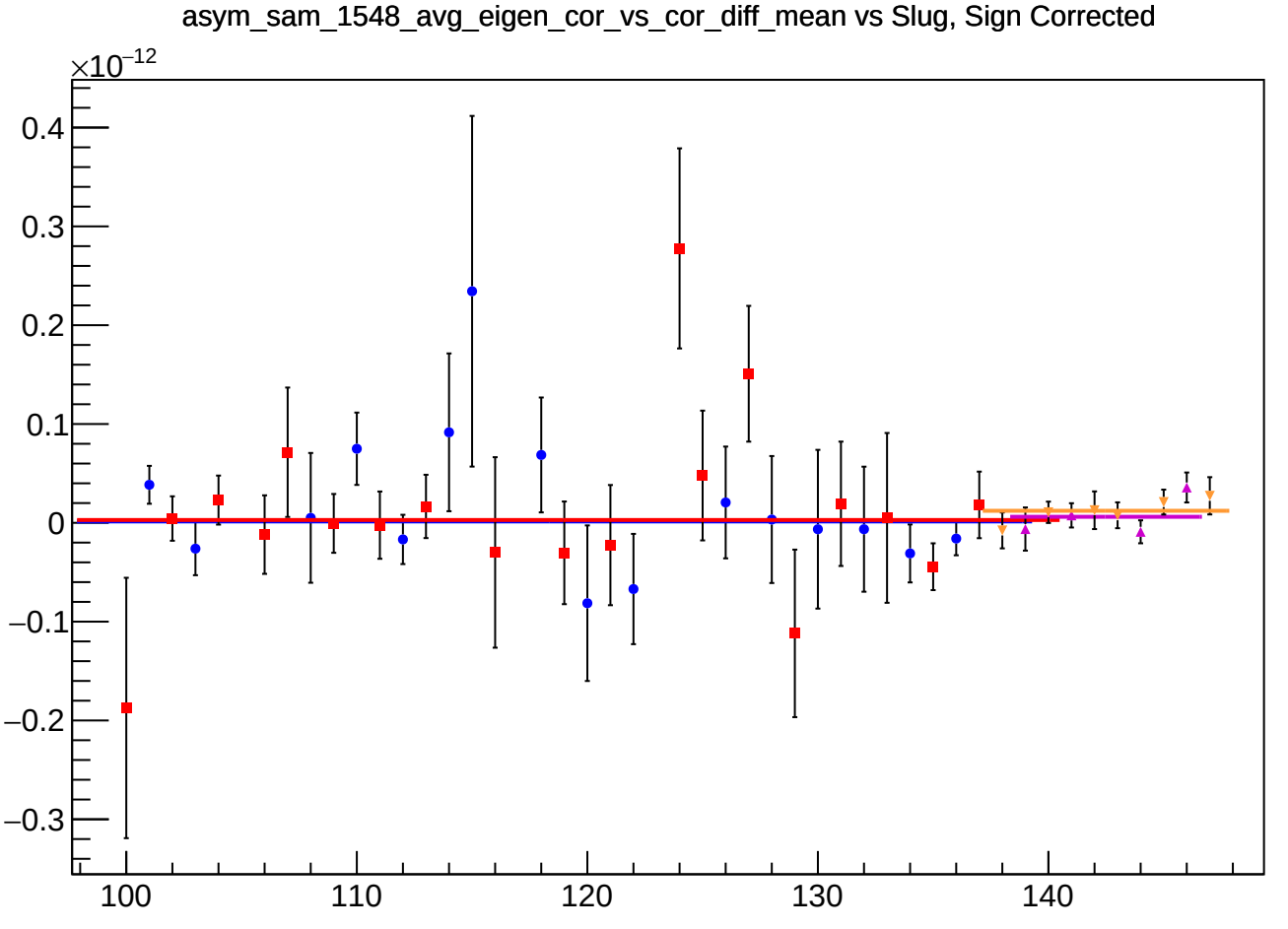
Left: 49.437+/-0.013 χ^2/NDF: 448622.1/9

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 27.818+/-0.007 χ^2/NDF:3716763.5/19

Out: 29.265+/-0.007 χ^2/NDF:3695310.8/24

All: 28.551+/-0.005 χ^2/NDF: 7434788.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/3

Left: 0.000+/-0.000 χ^2/NDF: 8.8/9

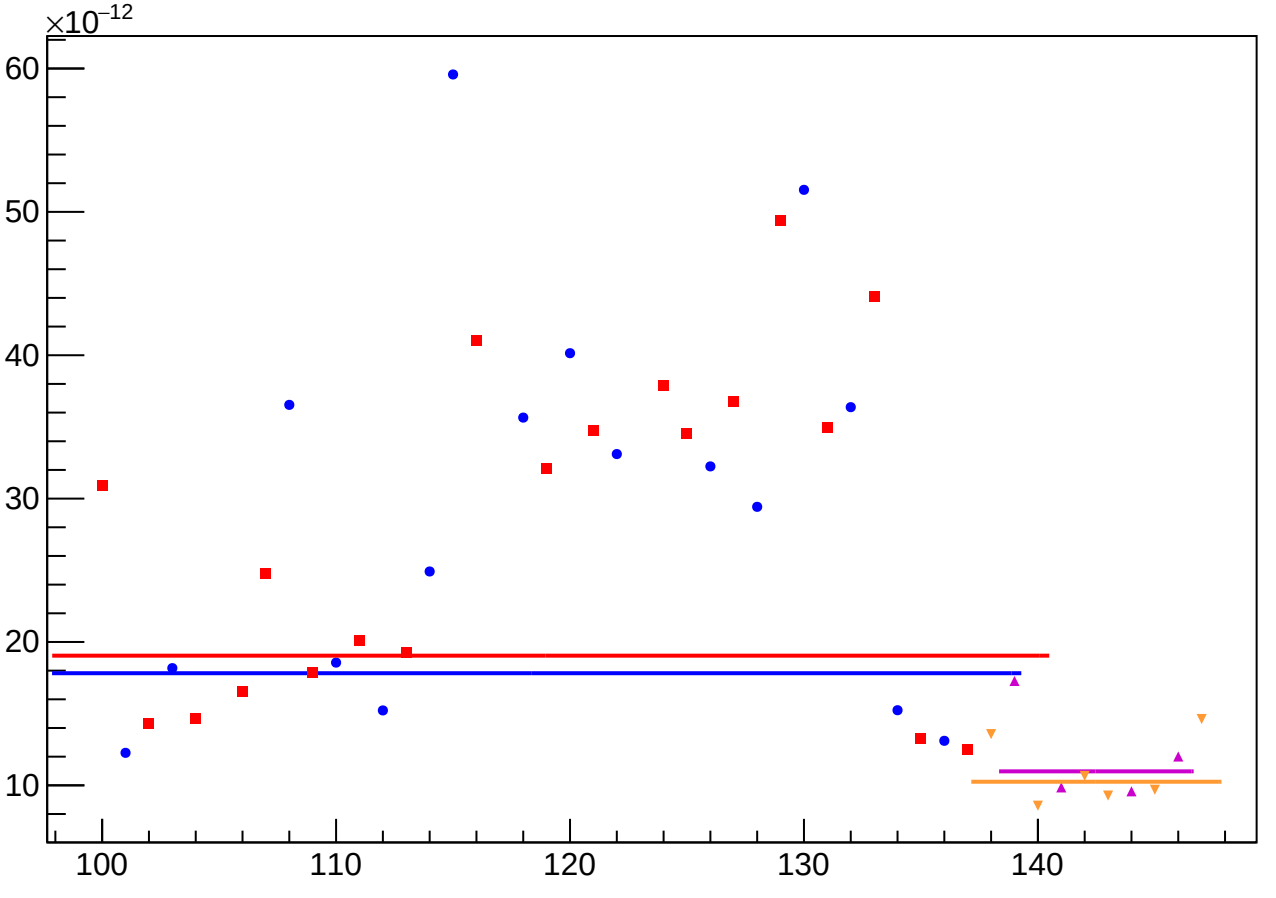
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:24.8/19

Out: 0.000+/-0.000 χ^2/NDF:26.7/24

All: 0.000+/-0.000 χ^2/NDF: 52.0/44

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:238080.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:221503.8/3

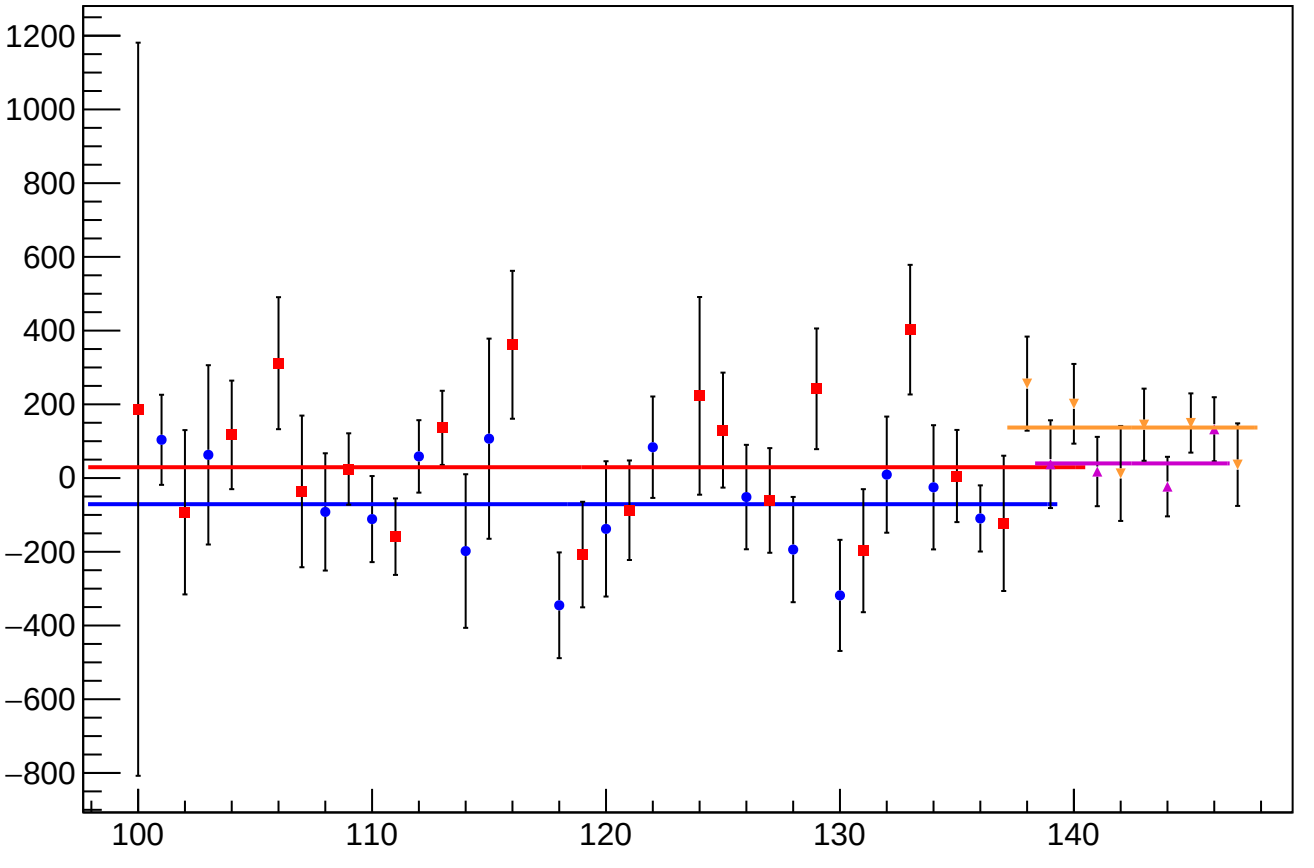
Left: 0.000+/-0.000 χ^2/NDF: 472248.5/9

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:2847068.8/19

Out: 0.000+/-0.000 χ^2/NDF:3174518.7/24

All: 0.000+/-0.000 χ^2/NDF: 6049491.7/44



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 137.066+/-42.785 χ^2/NDF:3.0/5

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 39.730+/-46.164 χ^2/NDF:1.8/3

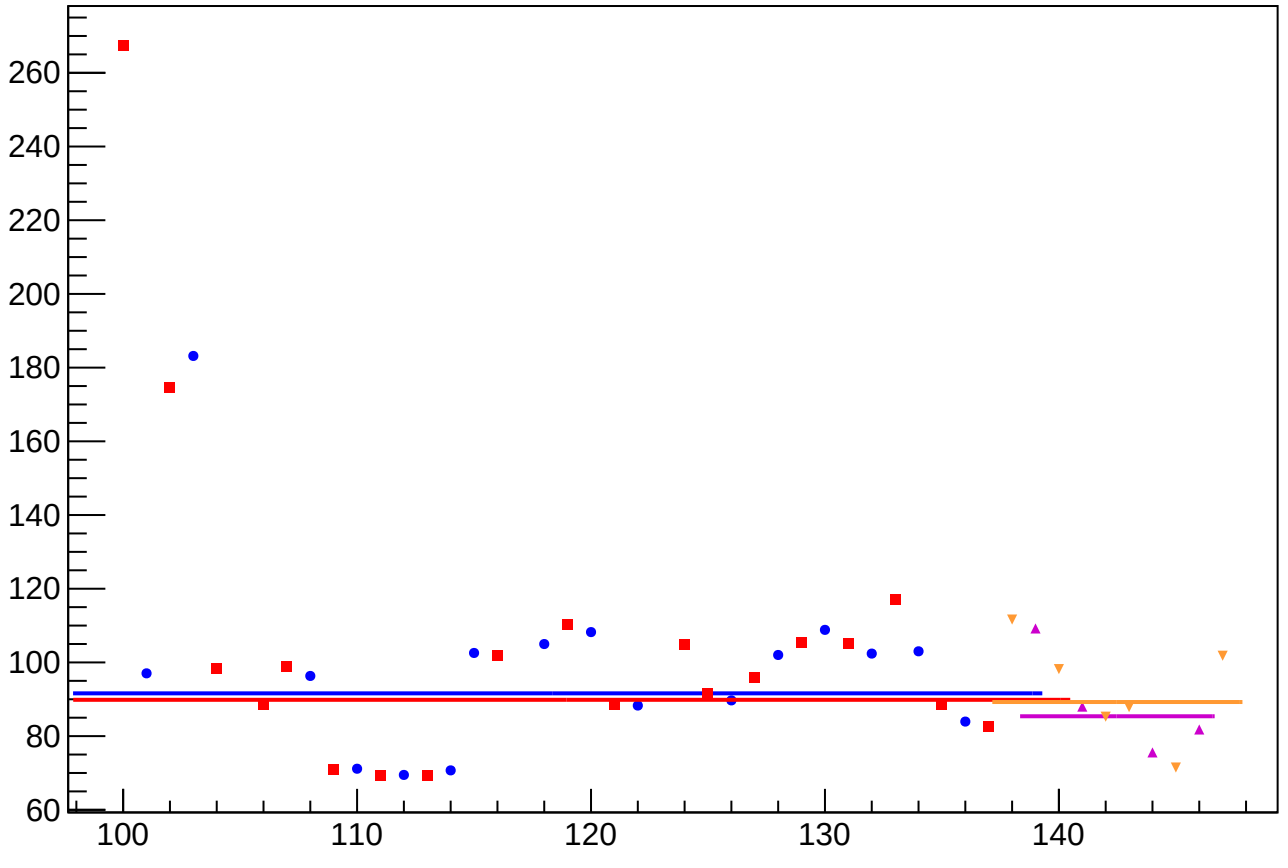
Left: 92.090+/-31.380 χ^2/NDF: 7.2/9

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -30.335+/-27.952 χ^2/NDF:19.5/19

Out: 71.444+/-26.735 χ^2/NDF:30.9/24

All: 22.819+/-19.320 χ^2/NDF: 57.3/44



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.255+/-0.030 χ^2/NDF:200494.7/5

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

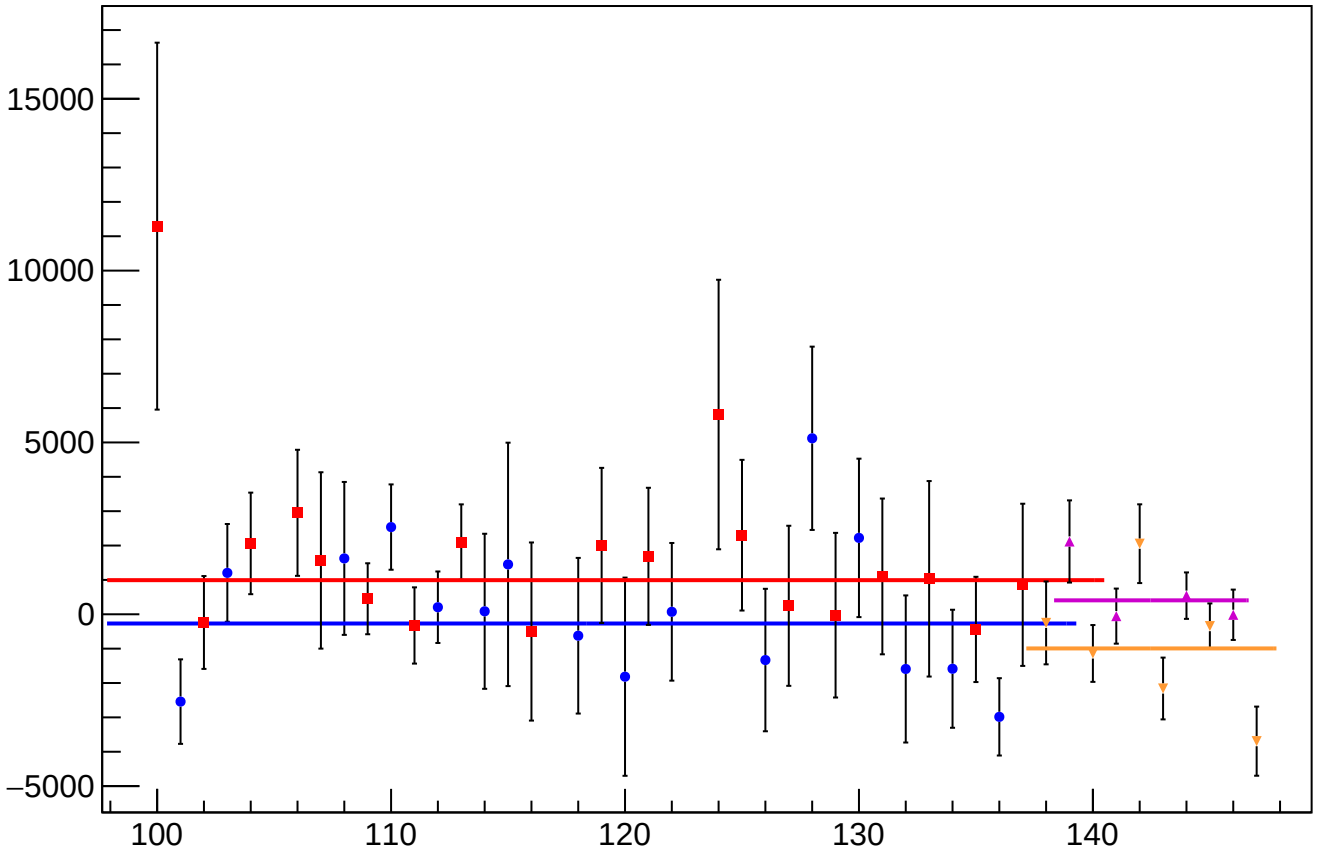
Left: 87.469+/-0.022 χ^2/NDF: 322620.7/9

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 89.328+/-0.020 χ^2/NDF:718241.2/19

Out: 89.620+/-0.019 χ^2/NDF:947022.9/24

All: 89.481+/-0.014 χ^2/NDF: 1665378.4/44



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -993.983+/-366.755 χ^2/NDF:17.3/5

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 405.379+/-398.110 χ^2/NDF:2.7/3

Left: -351.572+/-269.739 χ^2/NDF: 26.8/9

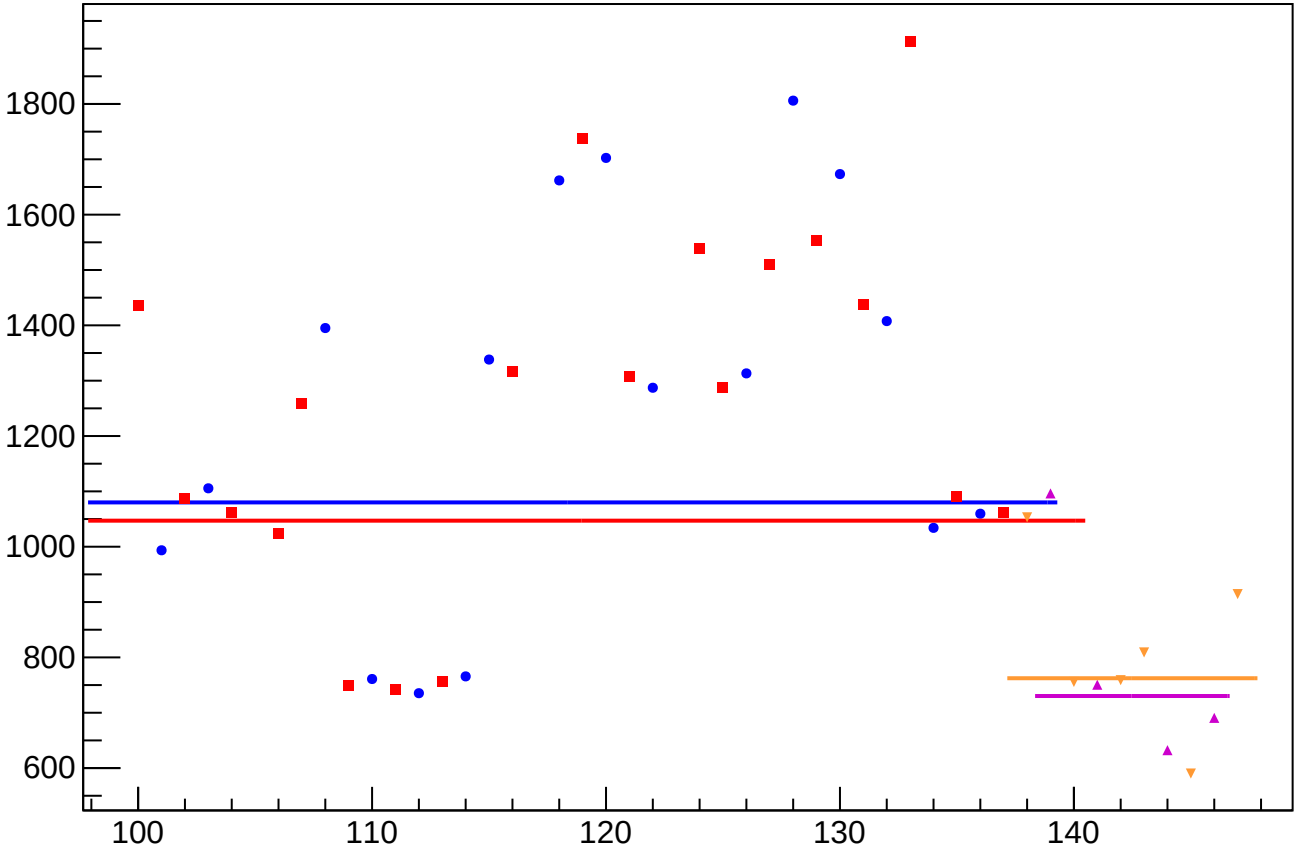
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 86.127+/-288.797 χ^2/NDF:27.6/19

Out: -88.662+/-270.579 χ^2/NDF:43.4/24

All: -6.954+/-197.455 χ^2/NDF: 71.1/44

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 762.350+/-0.259 χ^2/NDF:303728.5/5

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 730.237+/-0.282 χ^2/NDF:236446.3/3

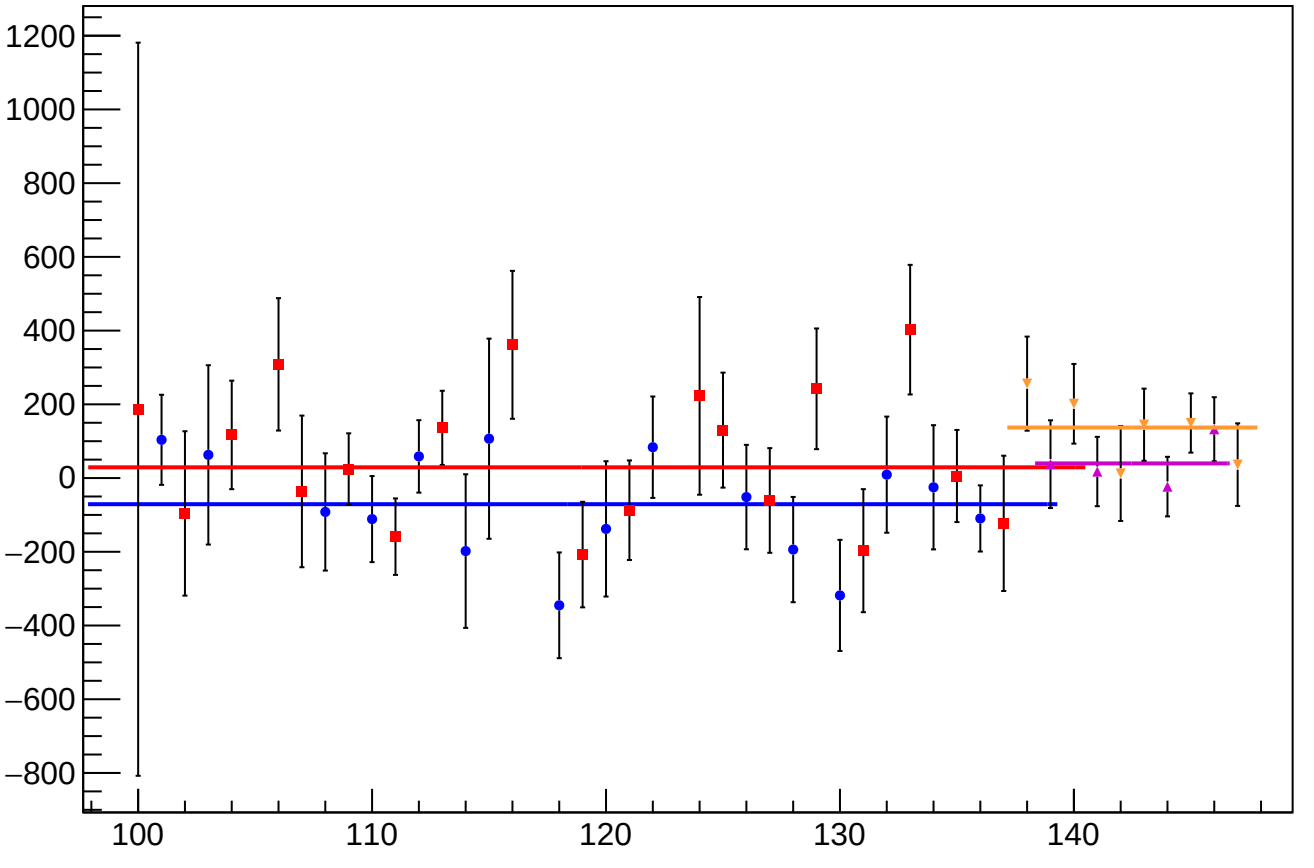
Left: 747.608+/-0.191 χ^2/NDF: 547214.0/9

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 895.963+/-0.204 χ^2/NDF:2021467.3/19

Out: 892.096+/-0.191 χ^2/NDF:2051646.4/24

All: 893.904+/-0.140 χ^2/NDF: 4073304.7/44



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 137.081+/-42.785 χ^2/NDF:3.0/5

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 39.736+/-46.164 χ^2/NDF:1.8/3

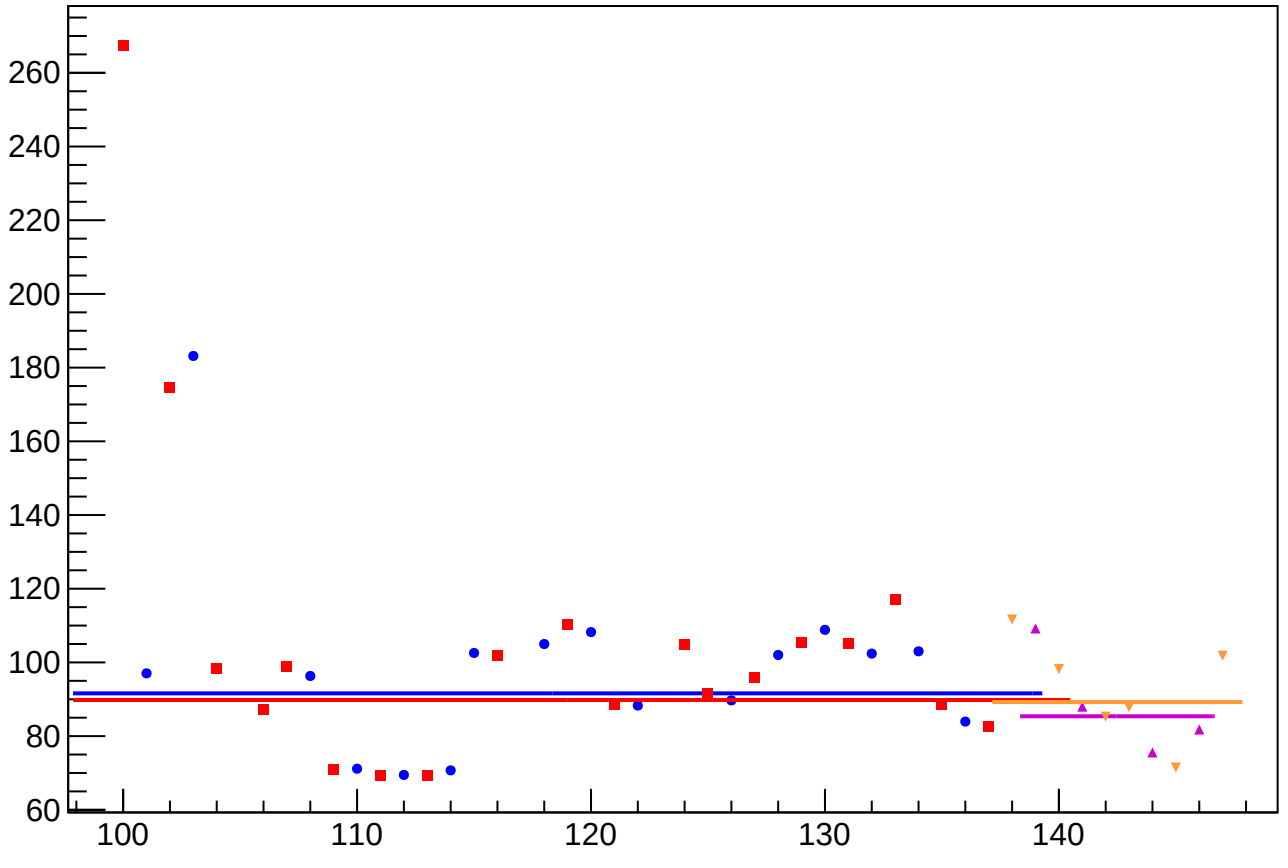
Left: 92.101+/-31.380 χ^2/NDF: 7.2/9

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -30.340+/-27.952 χ^2/NDF:19.5/19

Out: 71.304+/-26.737 χ^2/NDF:30.8/24

All: 22.739+/-19.321 χ^2/NDF: 57.2/44



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.255+/-0.030 χ^2/NDF:200494.7/5

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

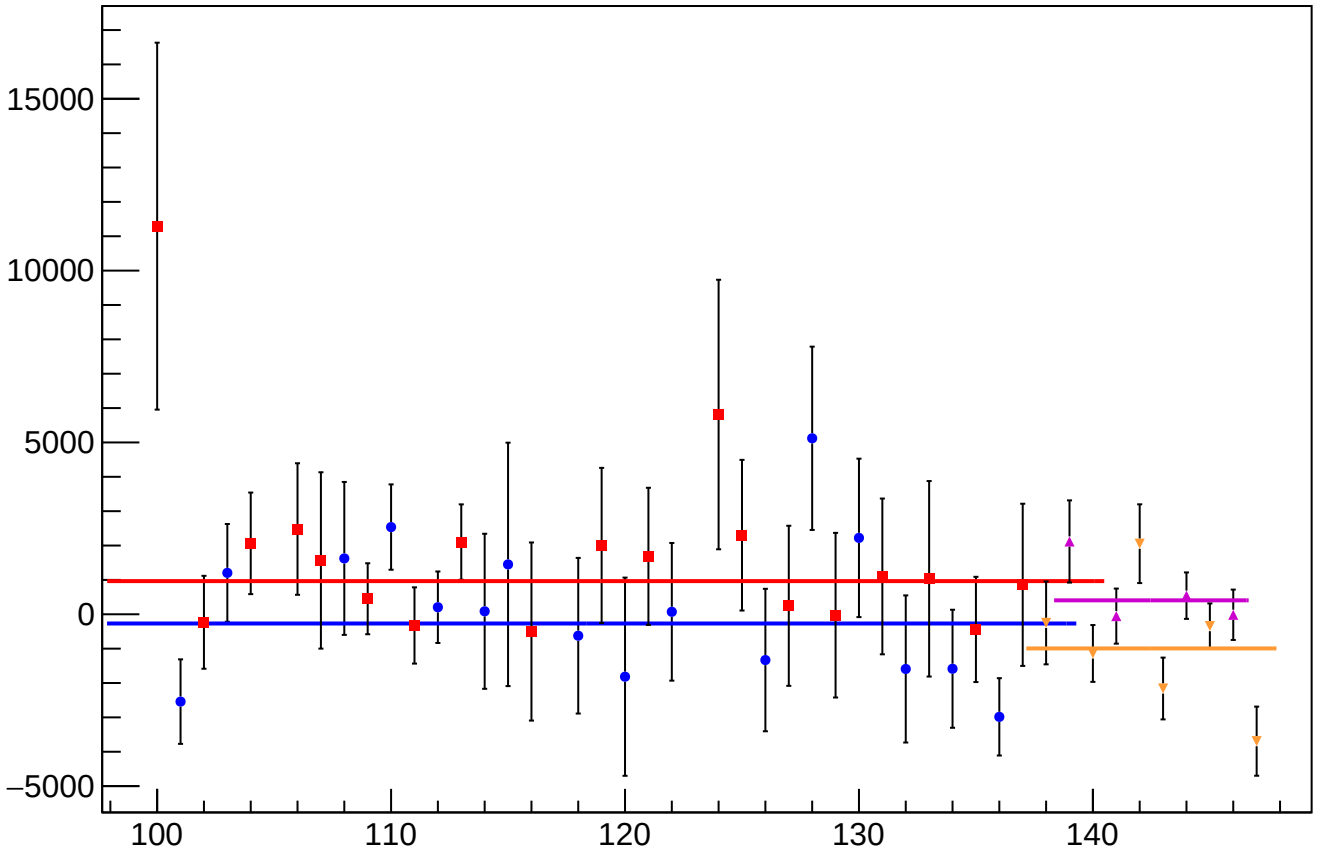
Left: 87.469+/-0.022 χ^2/NDF: 322620.7/9

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.328+/-0.020 χ^2/NDF:718244.3/19

Out: 89.592+/-0.019 χ^2/NDF:947530.9/24

All: 89.466+/-0.014 χ^2/NDF: 1665868.0/44



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -993.967+/-366.755 χ^2/NDF:17.3/5

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 405.388+/-398.110 χ^2/NDF:2.7/3

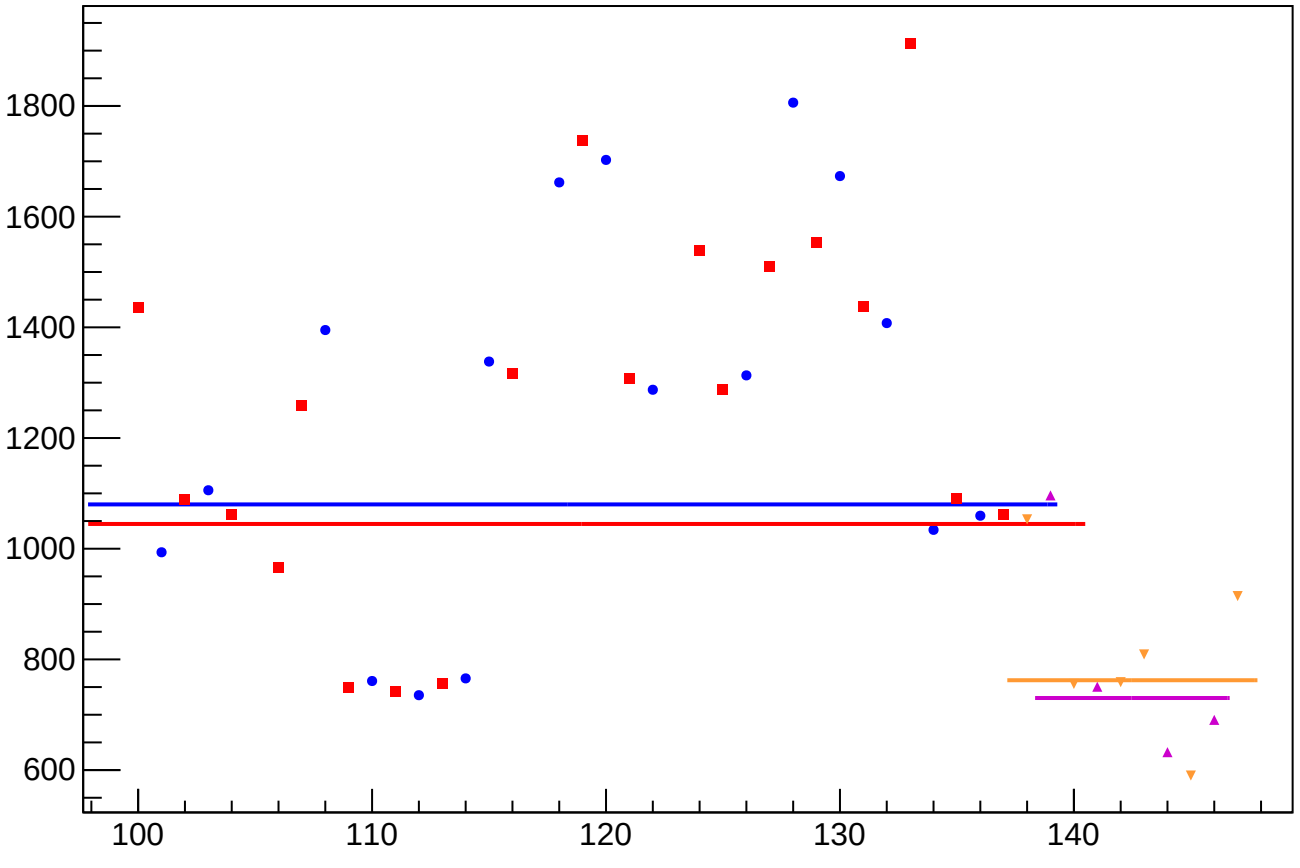
Left: -351.560+/-269.739 χ^2/NDF: 26.8/9

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 86.124+/-288.799 χ^2/NDF:27.6/19

Out: -103.228+/-270.827 χ^2/NDF:42.4/24

All: -14.626+/-197.552 χ^2/NDF: 70.2/44



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 762.350+/-0.259 χ^2/NDF:303729.0/5

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 730.237+/-0.282 χ^2/NDF:236445.8/3

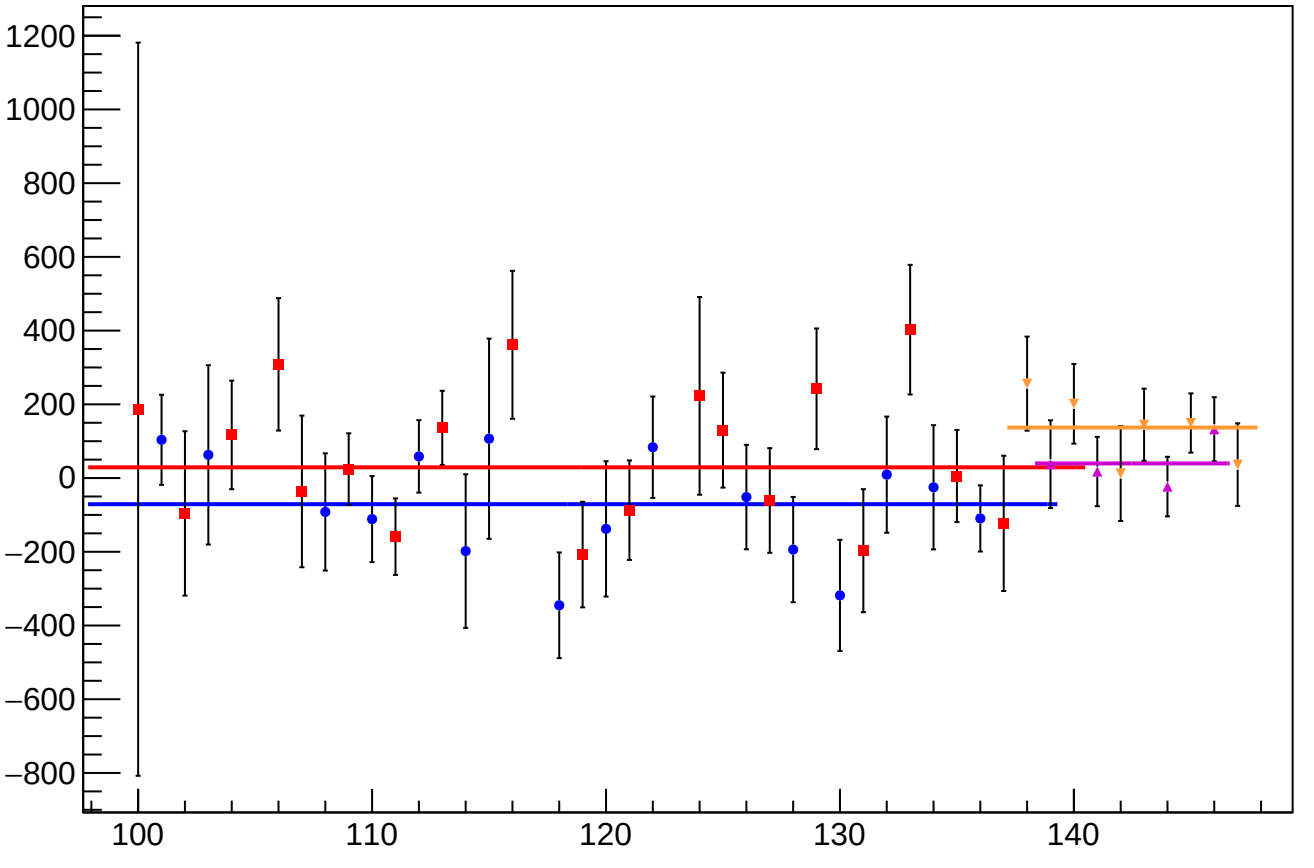
Left: 747.608+/-0.191 χ^2/NDF: 547213.7/9

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 895.966+/-0.204 χ^2/NDF:2021501.5/19

Out: 890.742+/-0.192 χ^2/NDF:2044610.2/24

All: 893.187+/-0.140 χ^2/NDF: 4066459.8/44



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 137.081+/-42.785 χ^2/NDF:3.0/5

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 39.736+/-46.164 χ^2/NDF:1.8/3

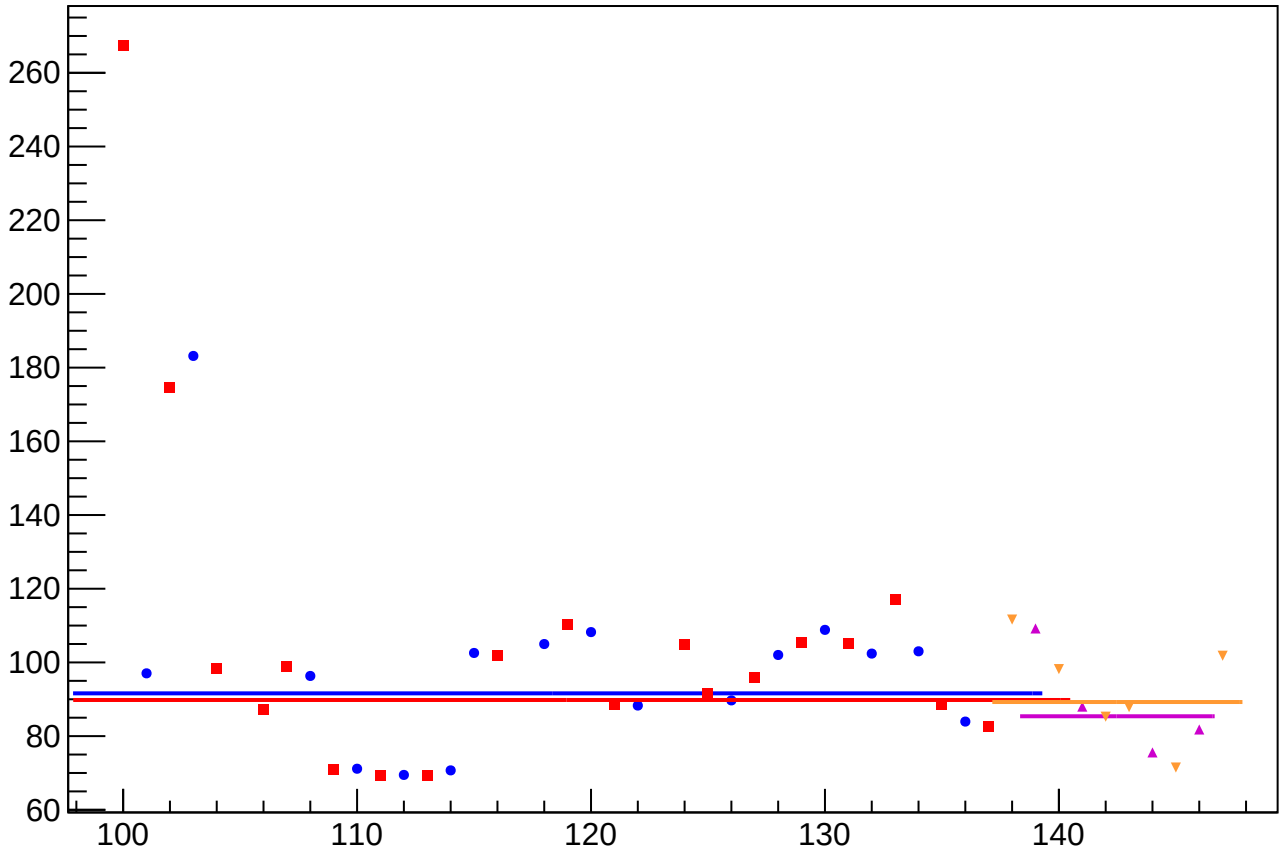
Left: 92.101+/-31.380 χ^2/NDF: 7.2/9

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -30.340+/-27.952 χ^2/NDF:19.5/19

Out: 71.304+/-26.737 χ^2/NDF:30.8/24

All: 22.739+/-19.321 χ^2/NDF: 57.2/44



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.255+/-0.030 χ^2/NDF:200494.7/5

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 85.389+/-0.033 χ^2/NDF:114580.9/3

Left: 87.469+/-0.022 χ^2/NDF: 322620.7/9

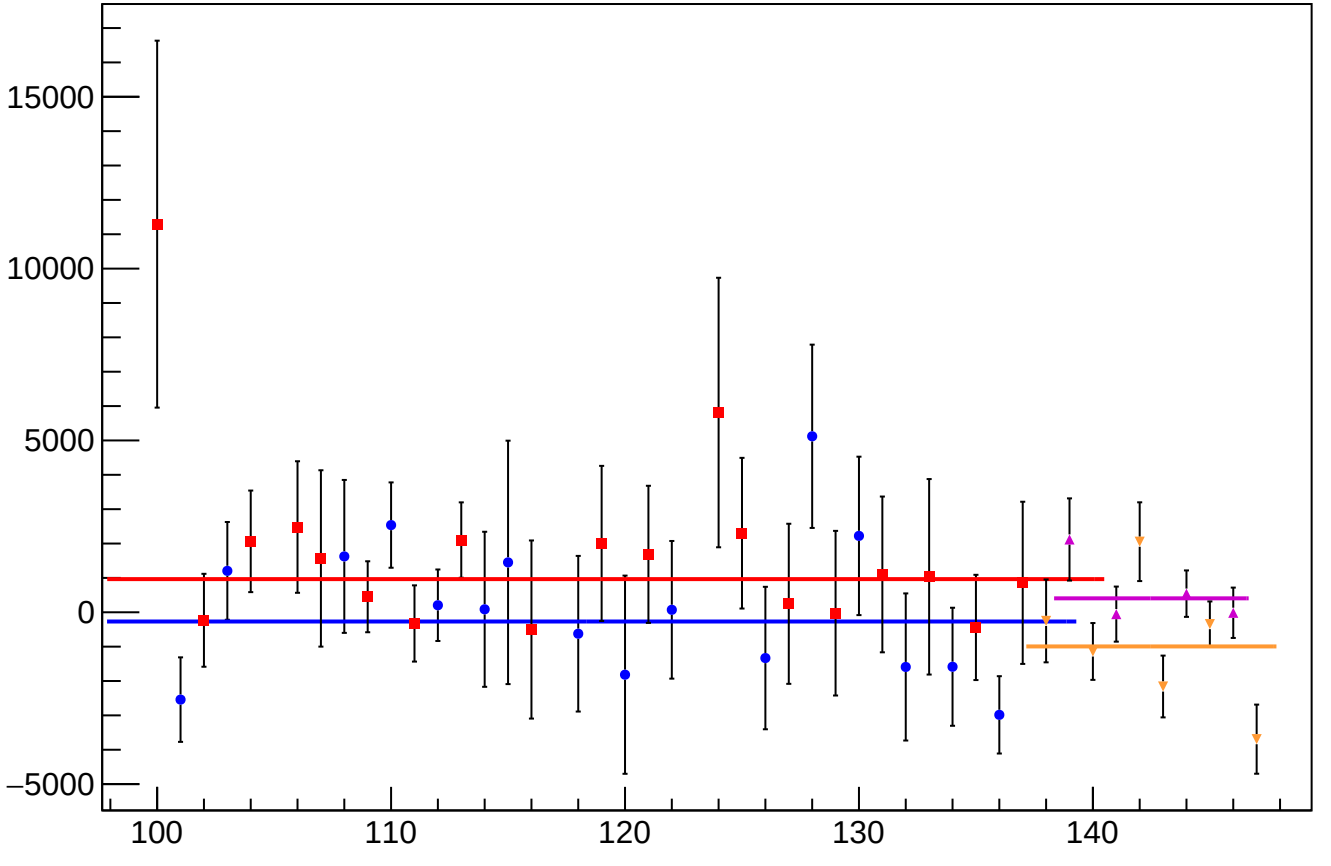
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.328+/-0.020 χ^2/NDF:718244.3/19

Out: 89.592+/-0.019 χ^2/NDF:947530.9/24

All: 89.466+/-0.014 χ^2/NDF: 1665868.0/44

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: -993.967+/-366.755 χ^2/NDF:17.3/5

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 405.388+/-398.110 χ^2/NDF:2.7/3

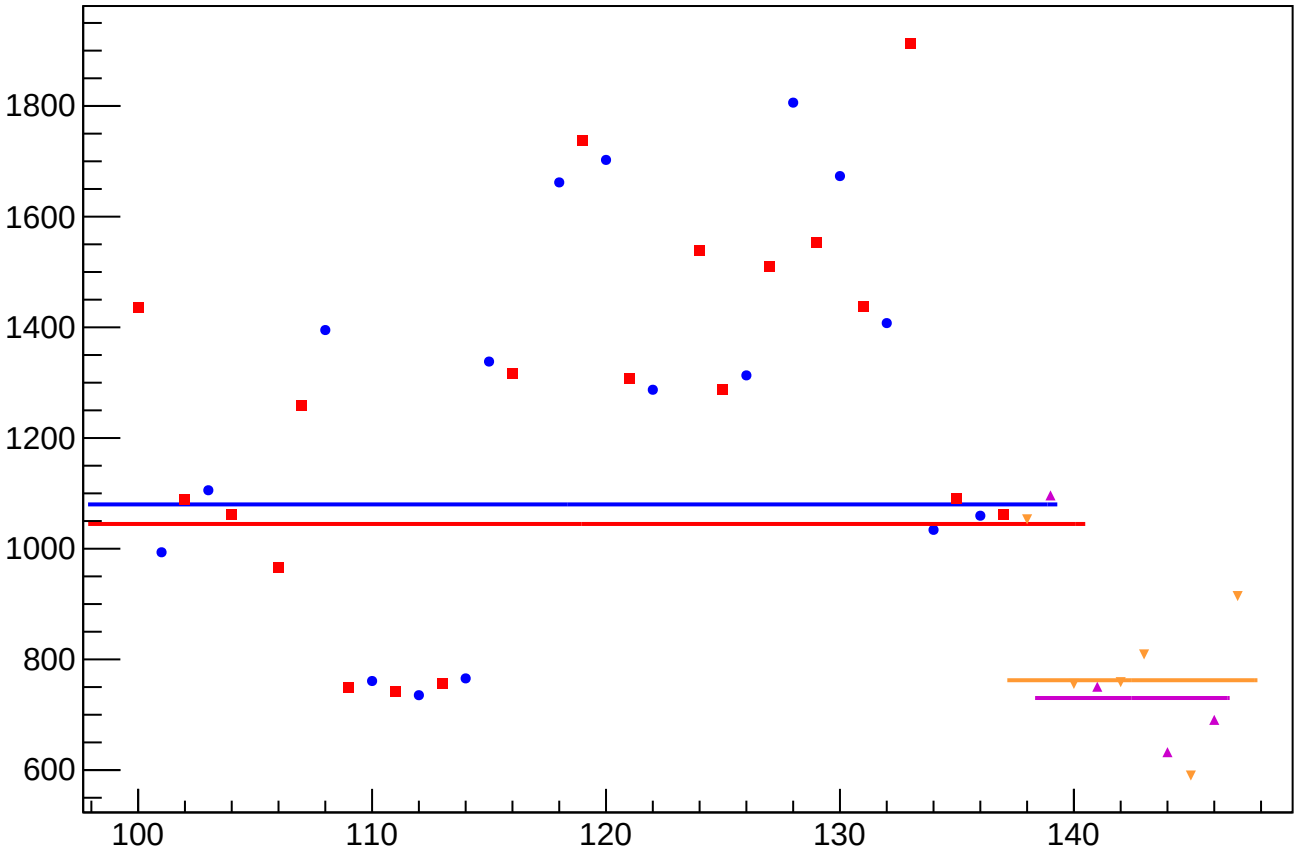
Left: -351.560+/-269.739 χ^2/NDF: 26.8/9

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 86.124+/-288.799 χ^2/NDF:27.6/19

Out: -103.228+/-270.827 χ^2/NDF:42.4/24

All: -14.626+/-197.552 χ^2/NDF: 70.2/44



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 762.350+/-0.259 χ^2/NDF:303729.0/5

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 730.237+/-0.282 χ^2/NDF:236445.8/3

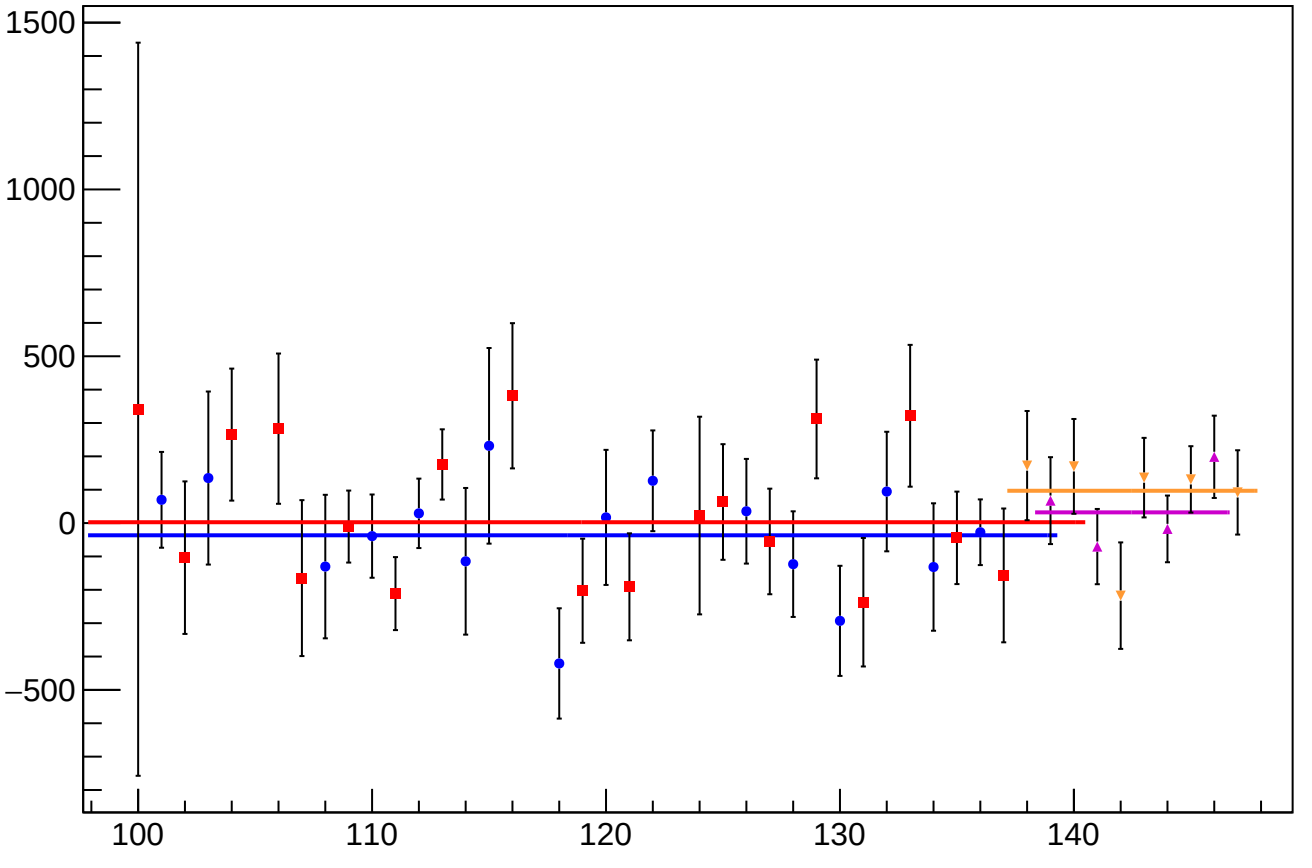
Left: 747.608+/-0.191 χ^2/NDF: 547213.7/9

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 895.966+/-0.204 χ^2/NDF:2021501.5/19

Out: 890.742+/-0.192 χ^2/NDF:2044610.2/24

All: 893.187+/-0.140 χ^2/NDF: 4066459.8/44



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 96.865+/-52.691 χ^2/NDF:4.6/5

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 32.110+/-57.413 χ^2/NDF:3.0/3

Left: 67.260+/-38.820 χ^2/NDF: 8.2/9

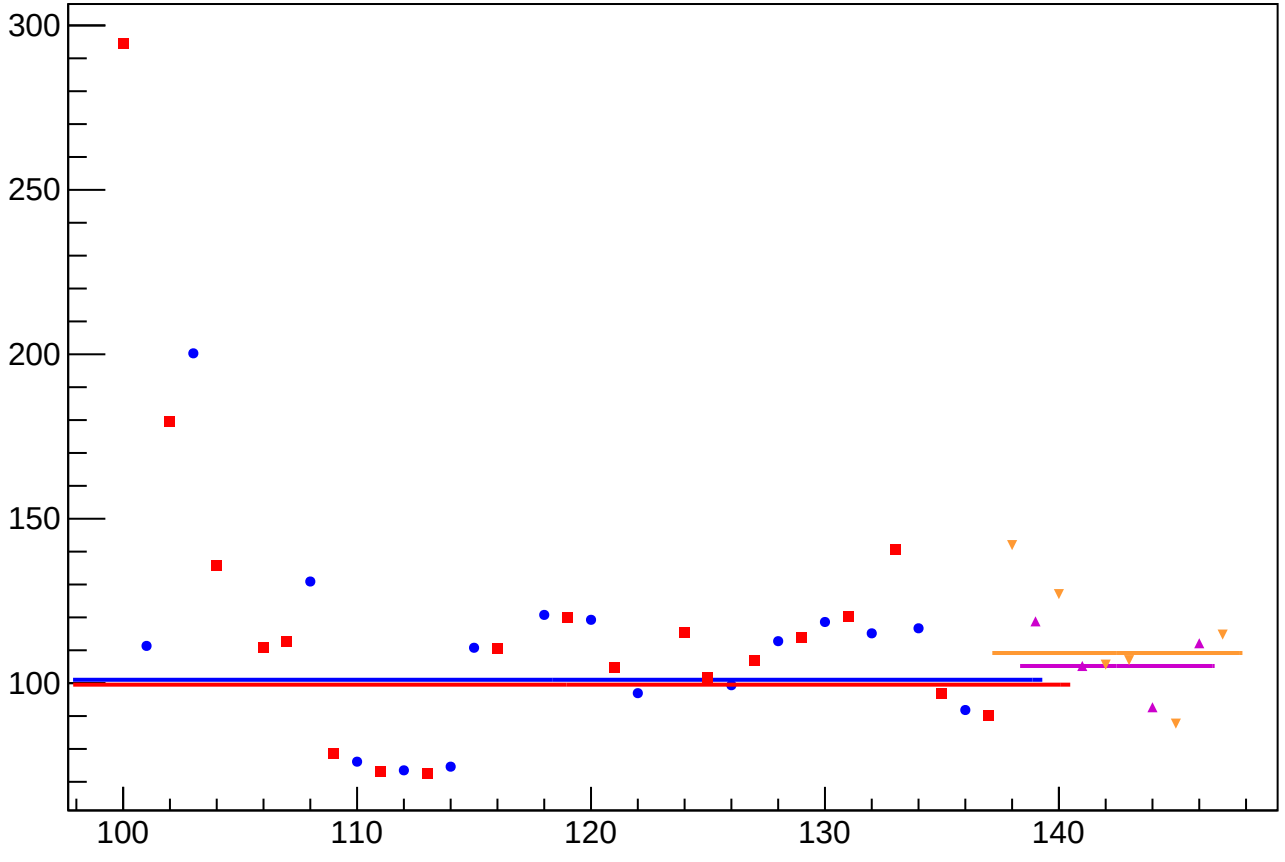
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: -14.906+/-32.256 χ^2/NDF:16.8/19

Out: 35.016+/-30.909 χ^2/NDF:31.4/24

All: 11.119+/-22.317 χ^2/NDF: 49.5/44

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 109.173+/-0.037 χ^2/NDF:210887.9/5

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.223+/-0.041 χ^2/NDF:59513.9/3

Left: 107.367+/-0.027 χ^2/NDF: 275538.8/9

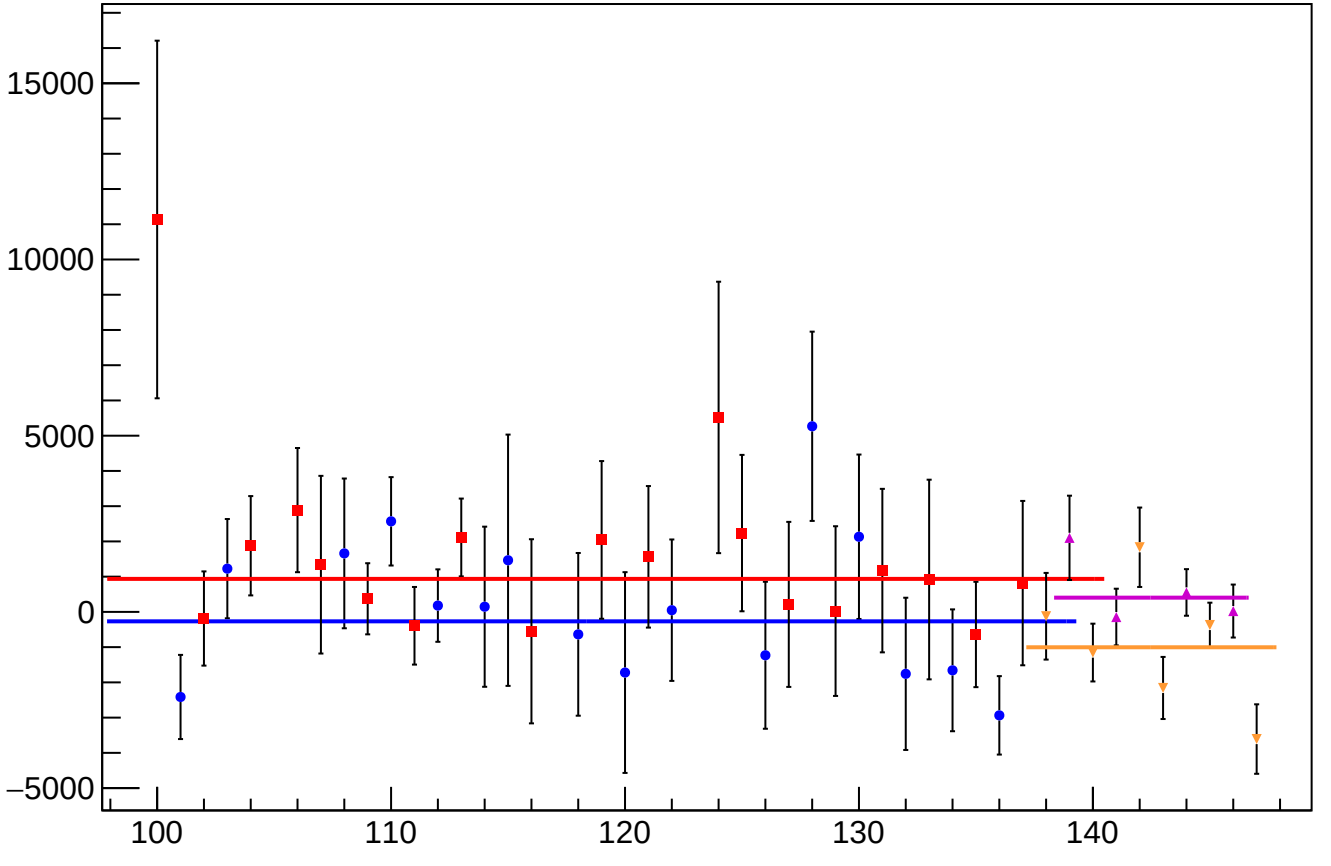
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 102.354+/-0.023 χ^2/NDF:782906.6/19

Out: 102.859+/-0.022 χ^2/NDF:1135161.8/24

All: 102.618+/-0.016 χ^2/NDF: 1918323.8/44

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: -1003.944+/-359.378 χ^2/NDF:16.6/5

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 404.161+/-398.316 χ^2/NDF:2.8/3

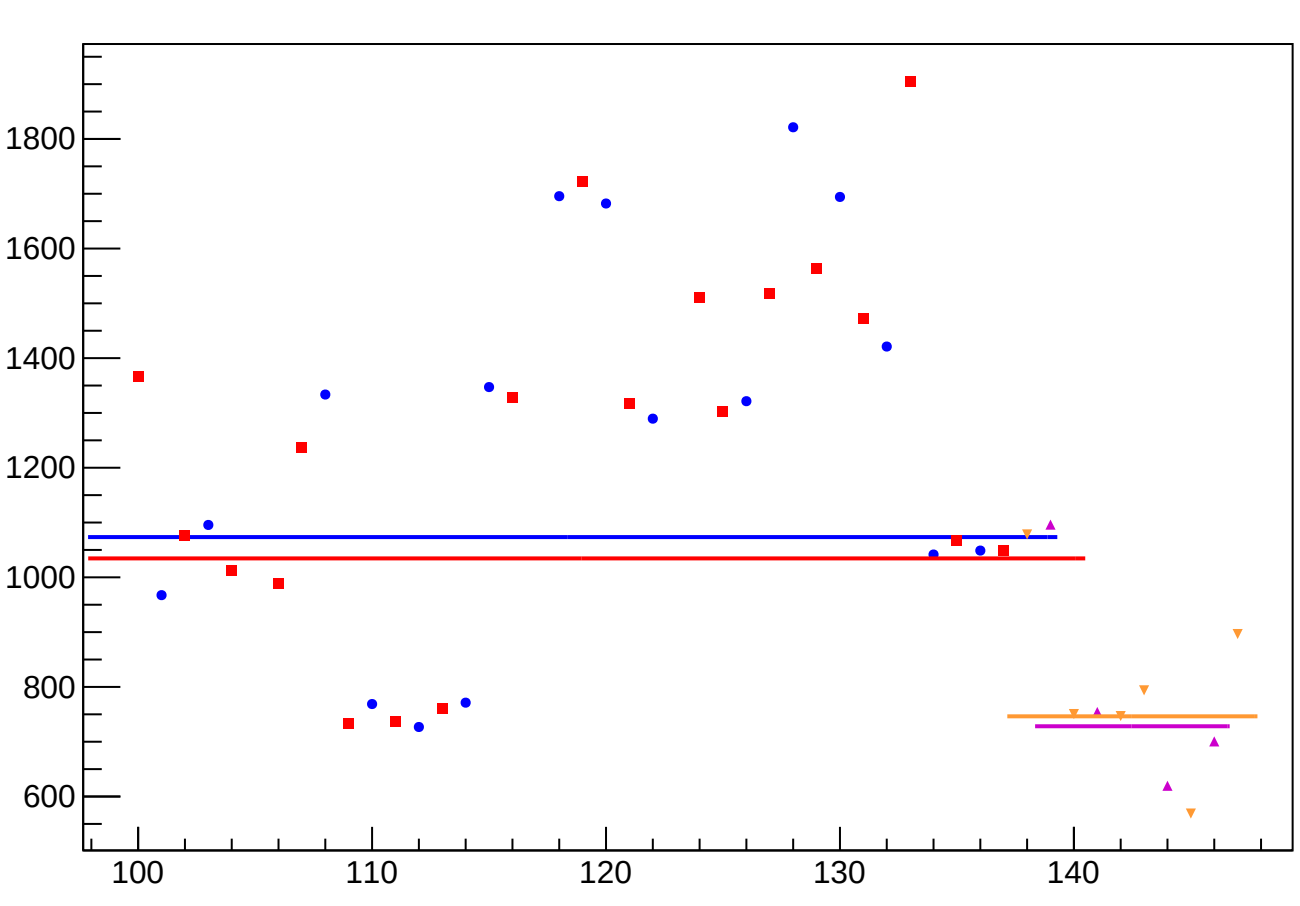
Left: -372.063+/-266.826 χ^2/NDF: 26.3/9

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 83.579+/-288.051 χ^2/NDF:27.6/19

Out: -128.040+/-266.197 χ^2/NDF:42.9/24

All: -30.561+/-195.500 χ^2/NDF: 70.8/44



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 746.346+/-0.254 χ^2/NDF:354684.0/5

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 728.219+/-0.282 χ^2/NDF:247942.2/3

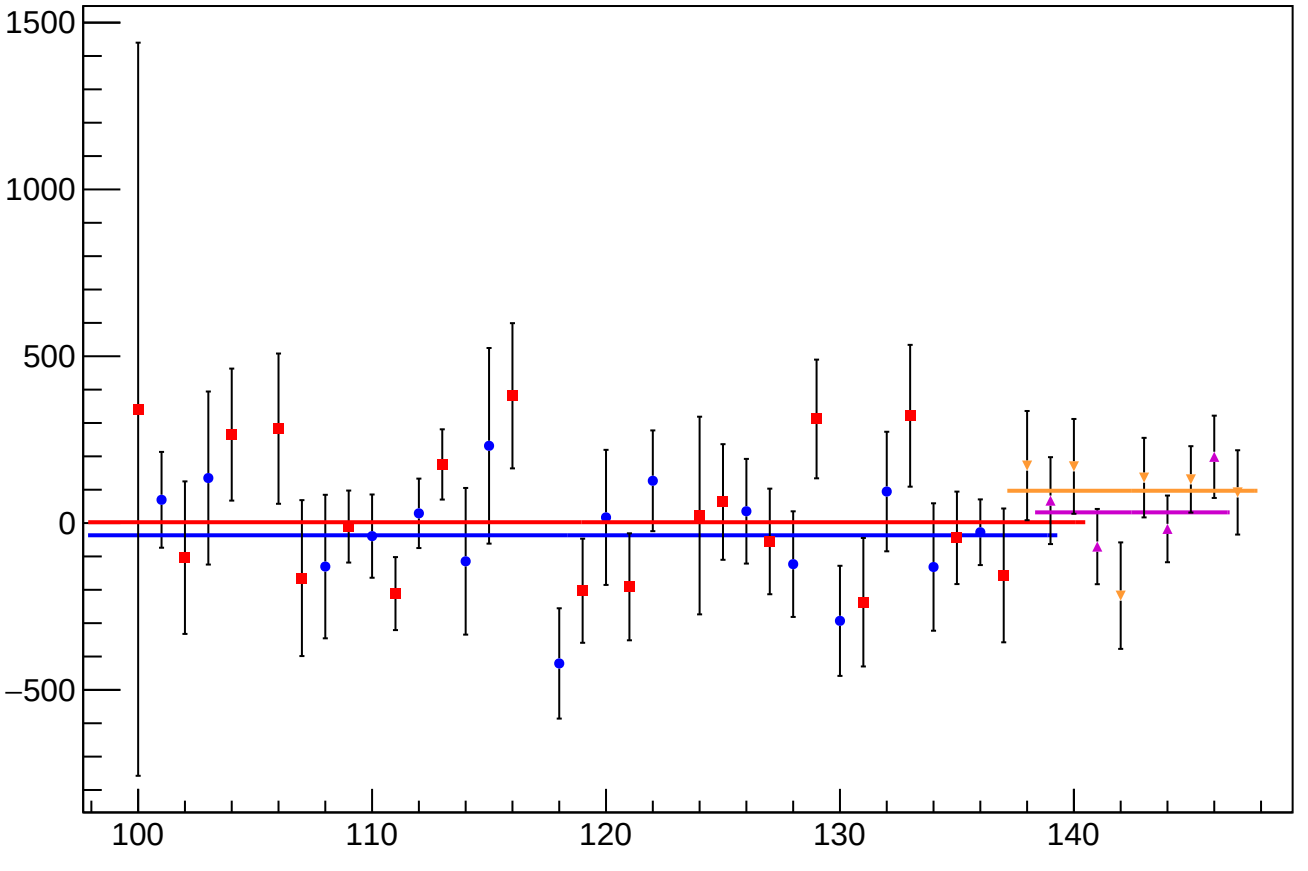
Left: 738.212+/-0.189 χ^2/NDF: 604909.4/9

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 892.905+/-0.204 χ^2/NDF:2041712.0/19

Out: 876.417+/-0.188 χ^2/NDF:2164506.0/24

All: 884.012+/-0.138 χ^2/NDF: 4209752.4/44



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 96.864+/-52.691 χ^2/NDF:4.6/5

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 32.111+/-57.414 χ^2/NDF:3.0/3

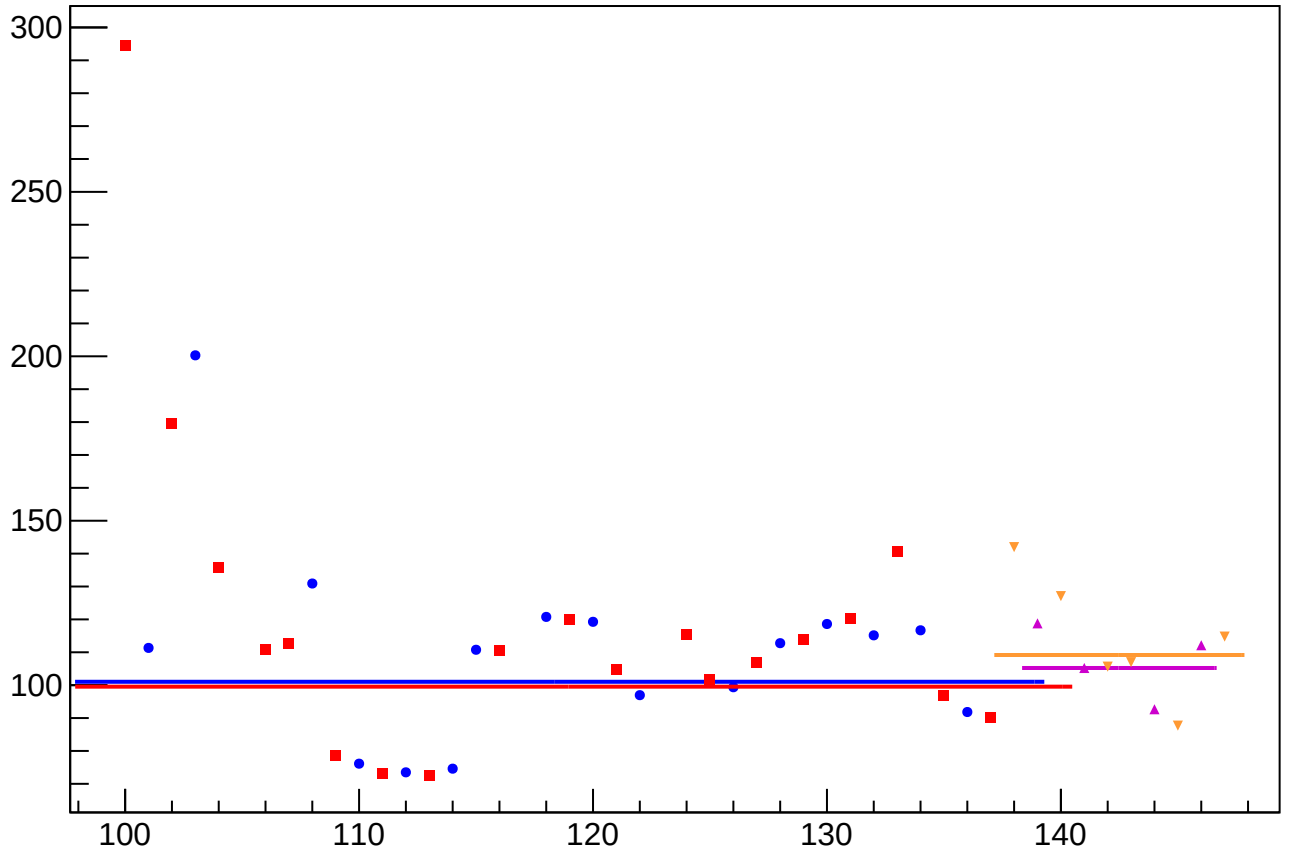
Left: 67.260+/-38.821 χ^2/NDF: 8.2/9

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: -14.905+/-32.256 χ^2/NDF:16.8/19

Out: 35.014+/-30.909 χ^2/NDF:31.4/24

All: 11.119+/-22.317 χ^2/NDF: 49.5/44



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 109.173+/-0.037 χ^2/NDF:210879.9/5

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.224+/-0.041 χ^2/NDF:59512.2/3

Left: 107.367+/-0.027 χ^2/NDF: 275529.3/9

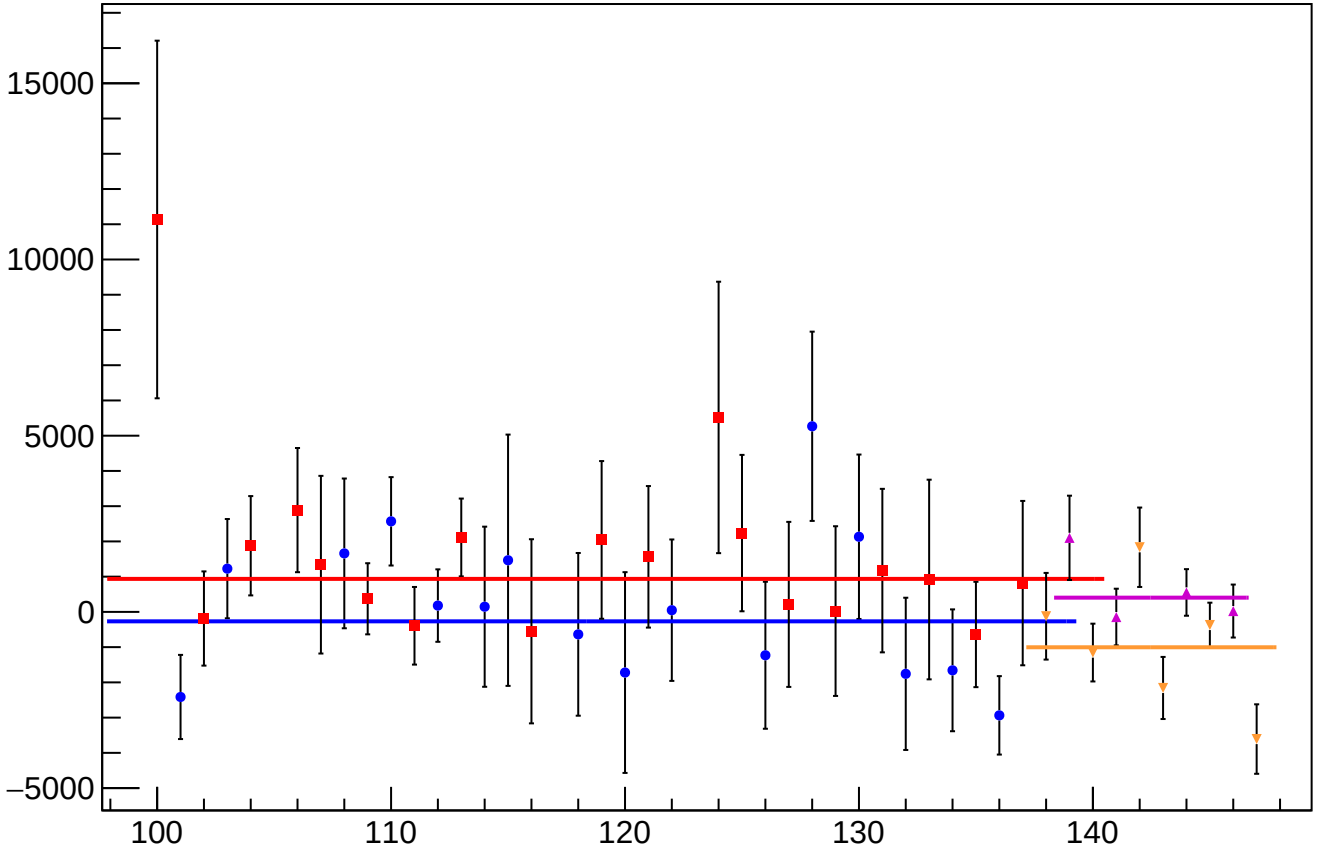
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 102.355+/-0.023 χ^2/NDF:782904.6/19

Out: 102.860+/-0.022 χ^2/NDF:1135159.4/24

All: 102.618+/-0.016 χ^2/NDF: 1918319.6/44

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1003.944+/-359.378 χ^2/NDF:16.6/5

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 404.161+/-398.315 χ^2/NDF:2.8/3

Left: -372.064+/-266.825 χ^2/NDF: 26.3/9

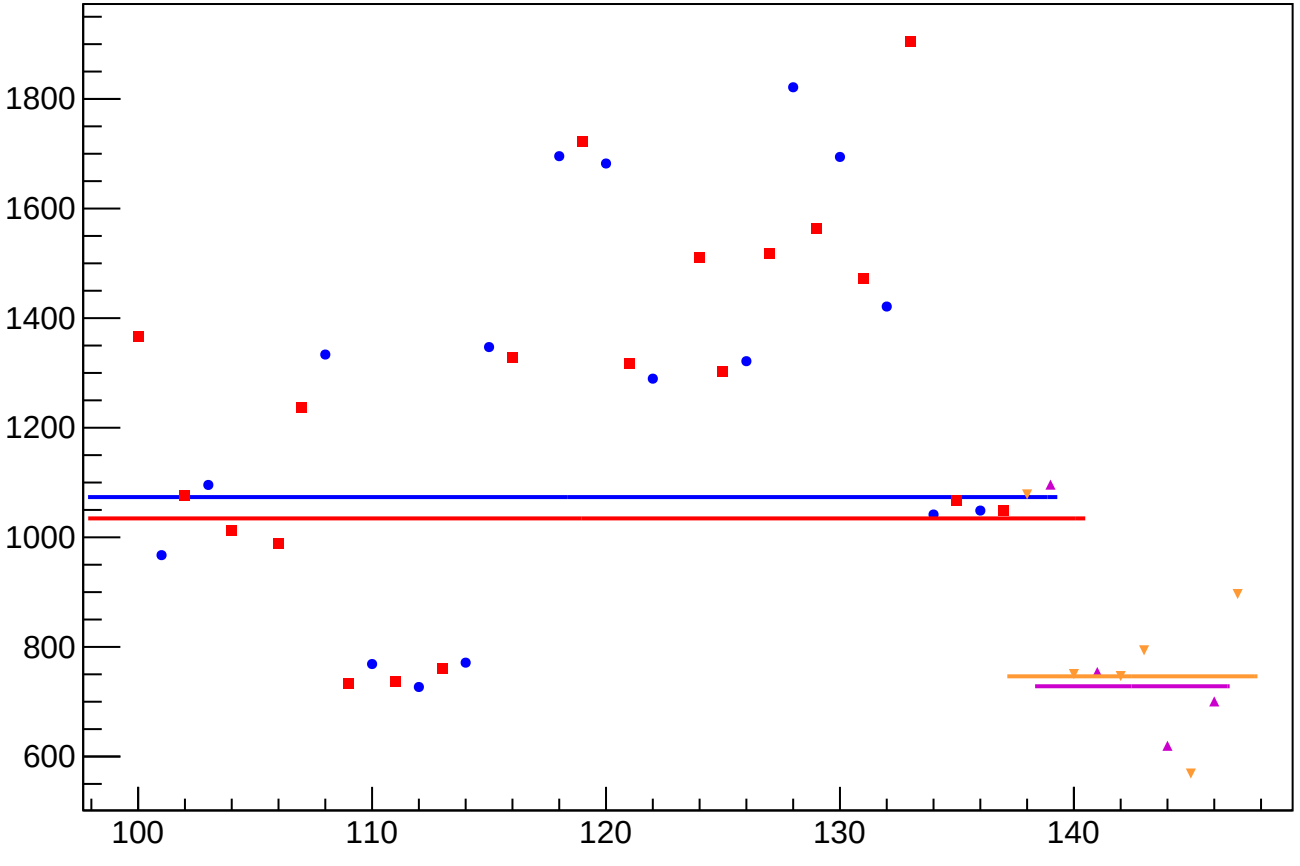
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 83.580+/-288.050 χ^2/NDF:27.6/19

Out: -128.041+/-266.197 χ^2/NDF:42.9/24

All: -30.562+/-195.500 χ^2/NDF: 70.8/44

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 746.344+/-0.254 χ^2/NDF:354686.8/5

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 728.219+/-0.282 χ^2/NDF:247942.3/3

Left: 738.210+/-0.189 χ^2/NDF: 604912.1/9

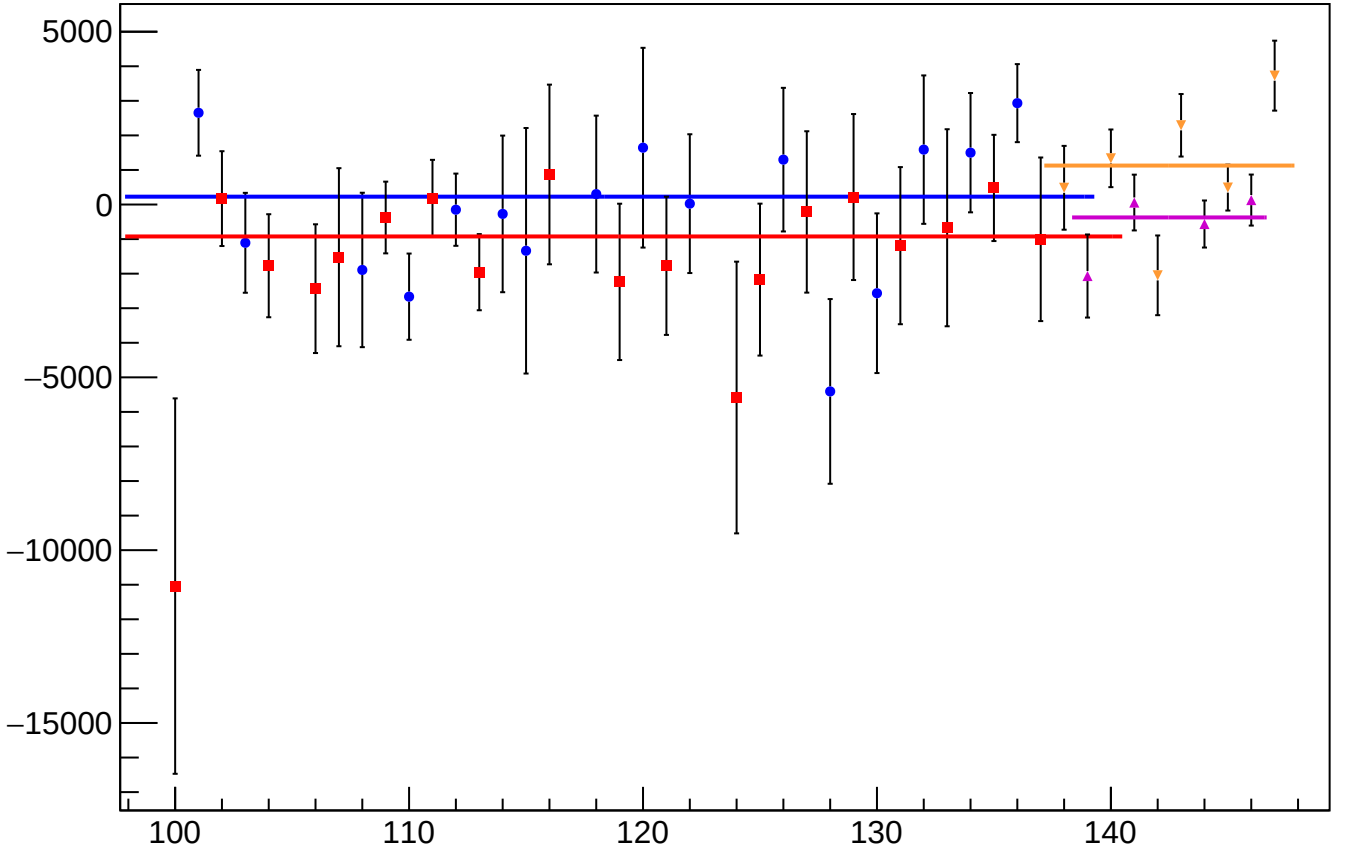
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 892.903+/-0.204 χ^2/NDF:2041715.3/19

Out: 876.415+/-0.188 χ^2/NDF:2164511.7/24

All: 884.010+/-0.138 χ^2/NDF: 4209761.5/44

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1127.360+/-369.355 χ^2/NDF:17.1/5

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -373.398+/-400.883 χ^2/NDF:2.8/3

Left: 438.309+/-271.636 χ^2/NDF: 27.5/9

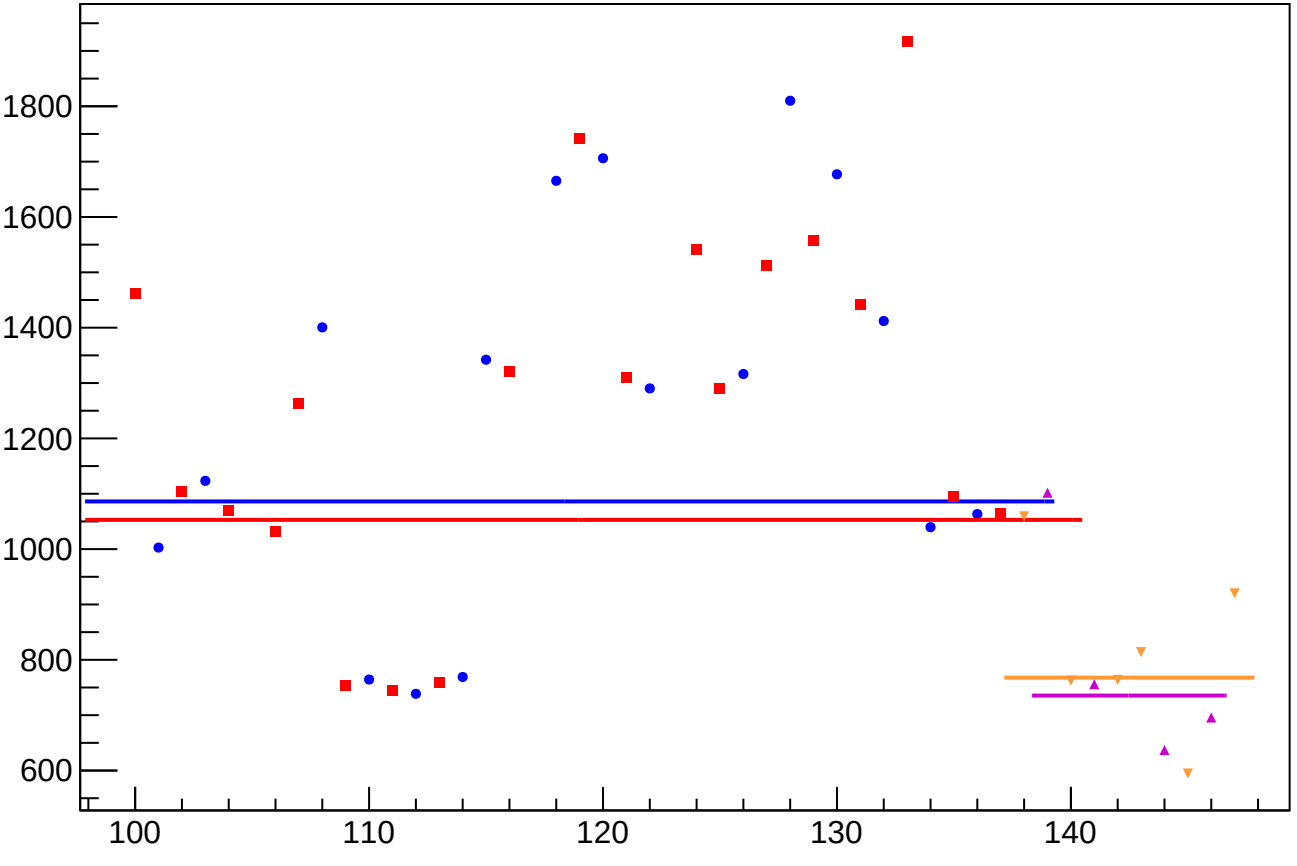
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -88.243+/-290.593 χ^2/NDF:28.3/19

Out: 191.290+/-272.324 χ^2/NDF:42.4/24

All: 60.586+/-198.707 χ^2/NDF: 71.2/44

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 767.838+/-0.261 χ^2/NDF:301798.6/5

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 735.434+/-0.283 χ^2/NDF:234774.1/3

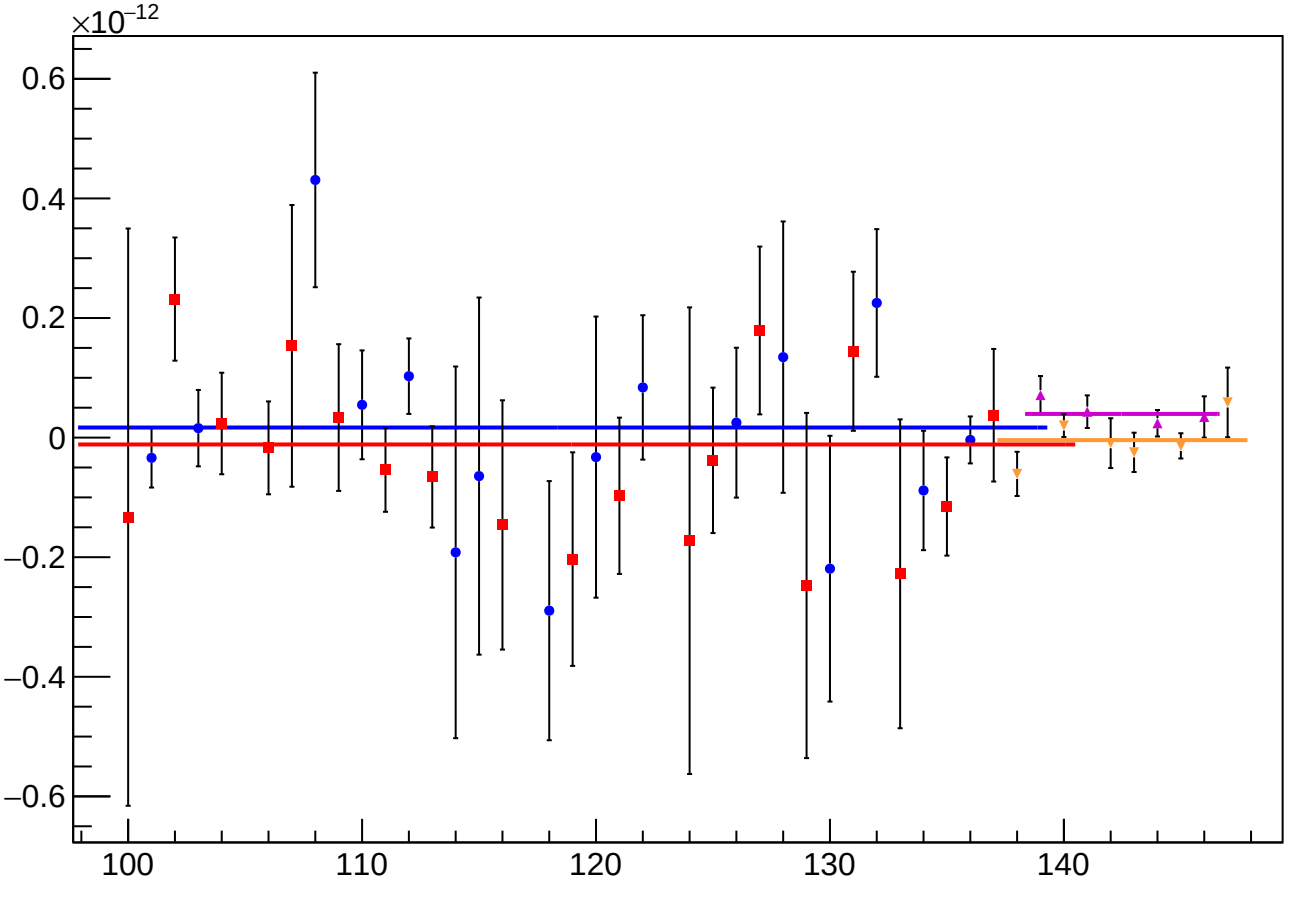
Left: 752.960+/-0.192 χ^2/NDF: 543640.4/9

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 901.859+/-0.205 χ^2/NDF:2008615.7/19

Out: 897.907+/-0.193 χ^2/NDF:2039659.4/24

All: 899.755+/-0.141 χ^2/NDF: 4048472.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/3

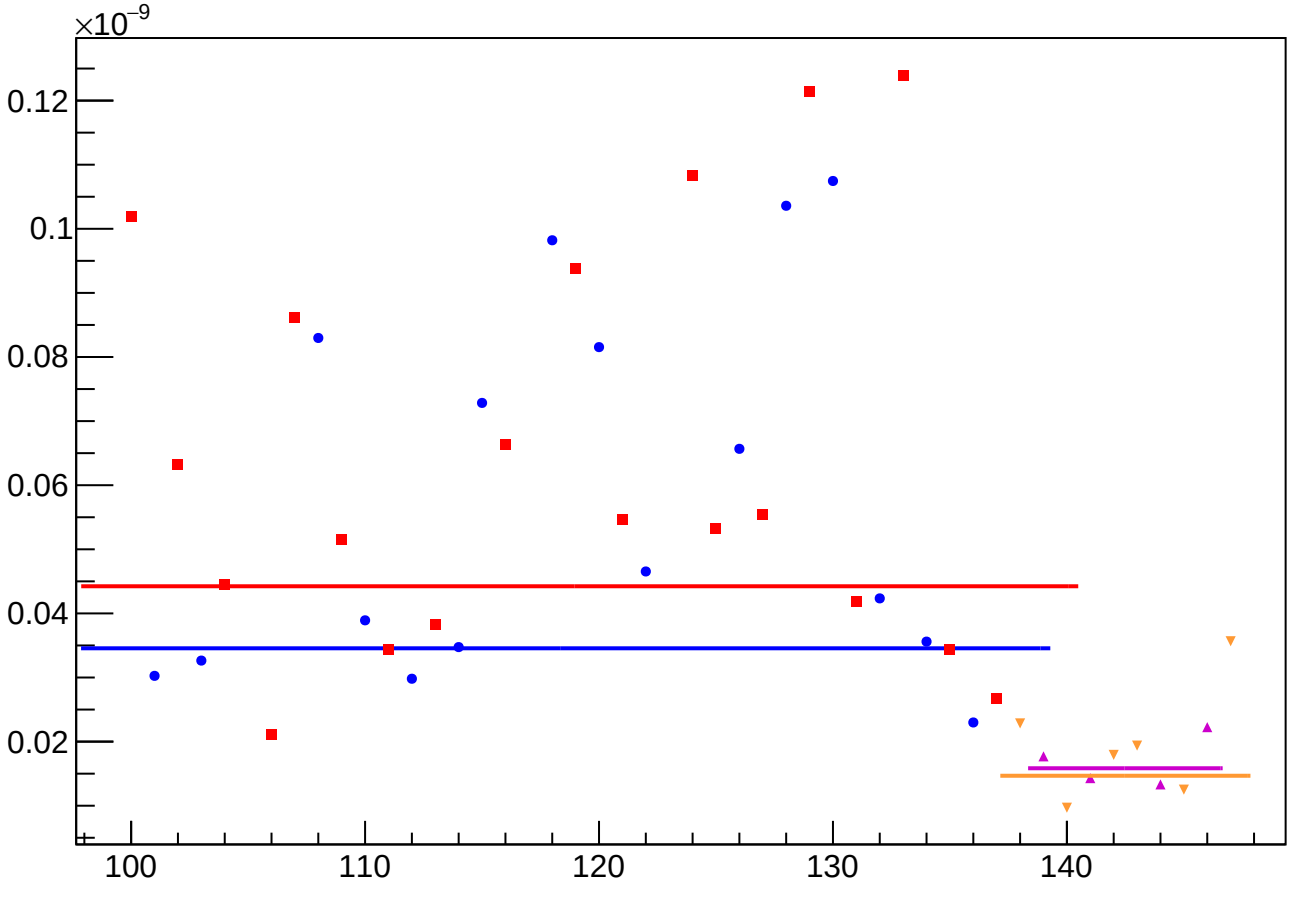
Left: 0.000+/-0.000 χ^2/NDF: 13.1/9

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:19.2/19

Out: -0.000+/-0.000 χ^2/NDF:21.6/24

All: 0.000+/-0.000 χ^2/NDF: 46.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:566077.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:108042.2/3

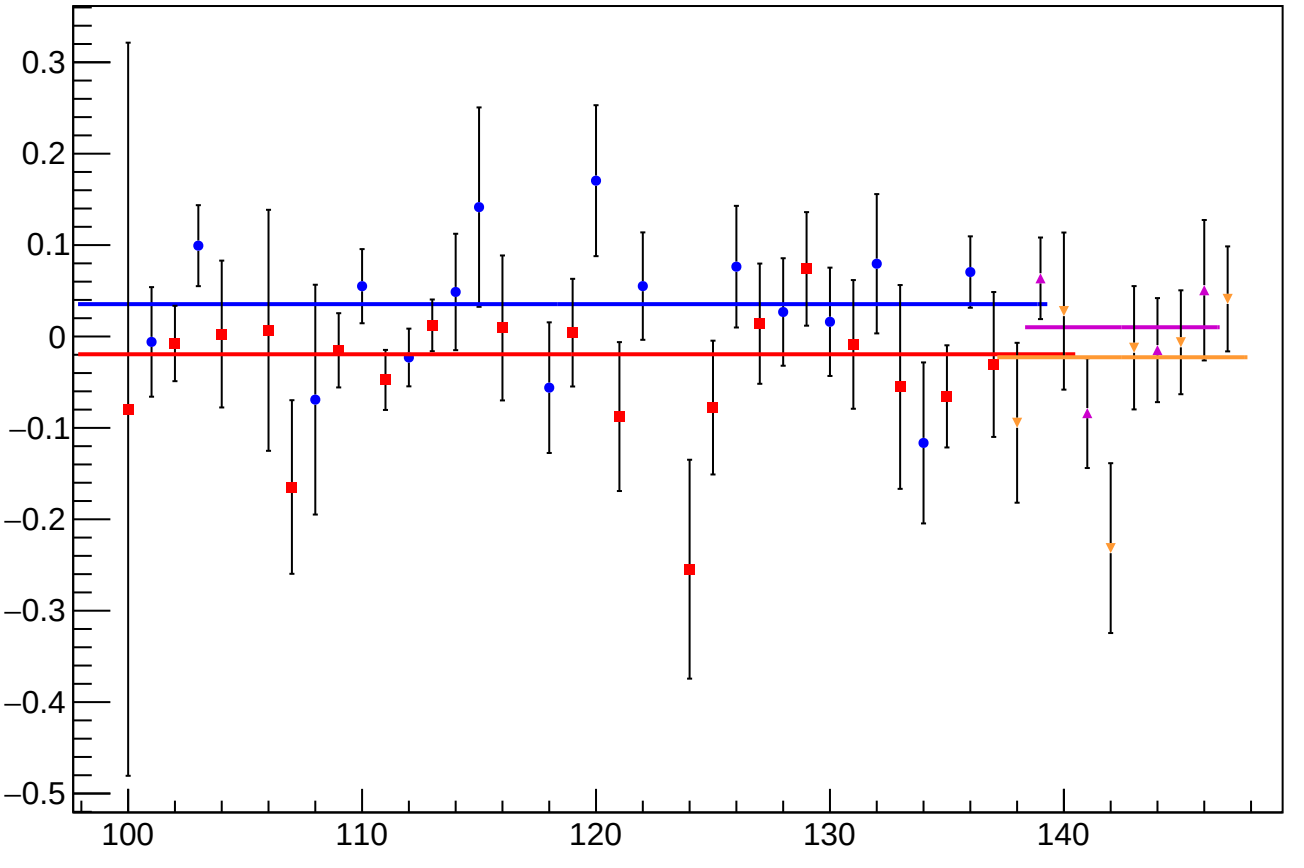
Left: 0.000+/-0.000 χ^2/NDF: 682518.3/9

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2345071.3/19

Out: 0.000+/-0.000 χ^2/NDF:3678450.9/24

All: 0.000+/-0.000 χ^2/NDF: 6053611.5/44



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.010+/-0.028 χ^2/NDF:4.4/3

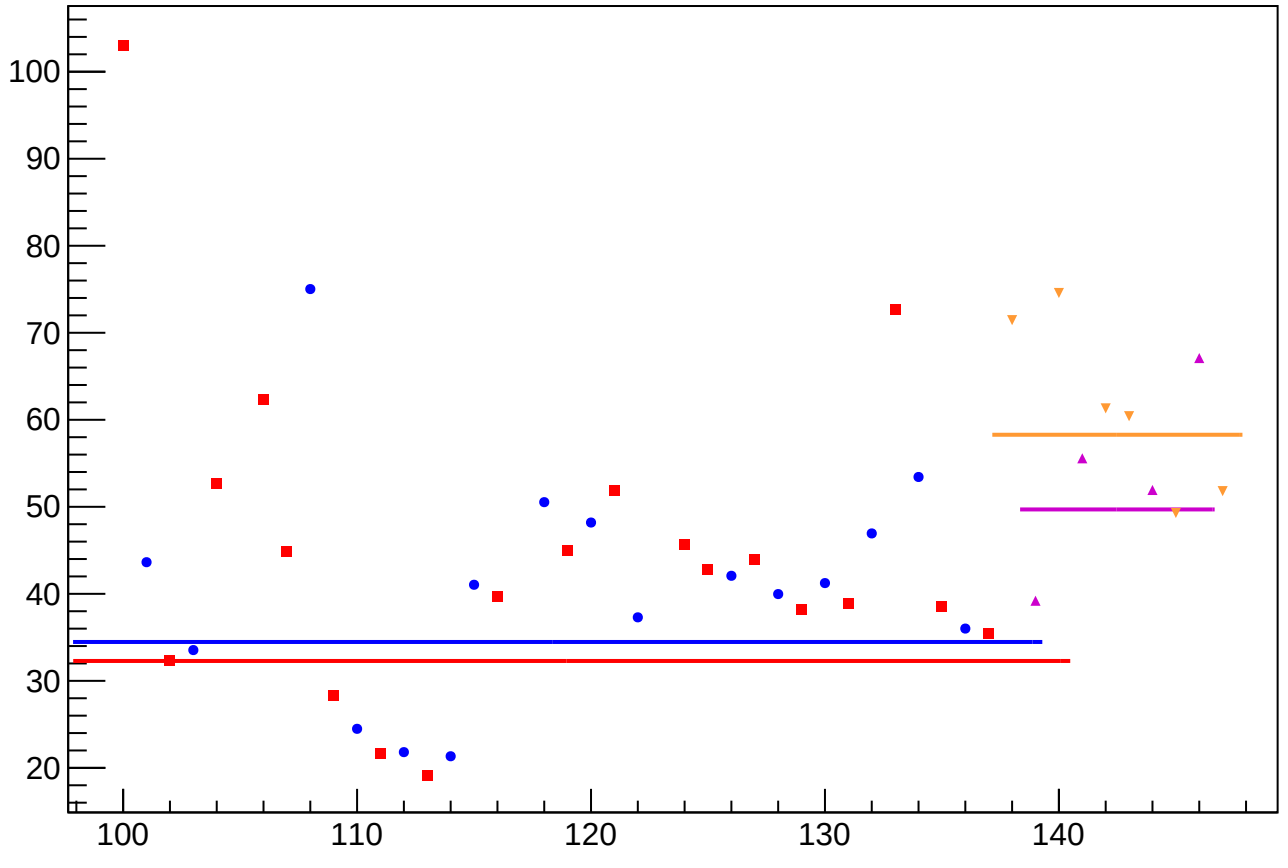
Left: -0.006+/-0.020 χ^2/NDF: 12.4/9

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:21.9/19

Out: -0.020+/-0.012 χ^2/NDF:20.8/24

All: 0.004+/-0.009 χ^2/NDF: 51.3/44



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 58.281+/-0.020 χ^2/NDF:196858.2/5

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.698+/-0.020 χ^2/NDF:235336.5/3

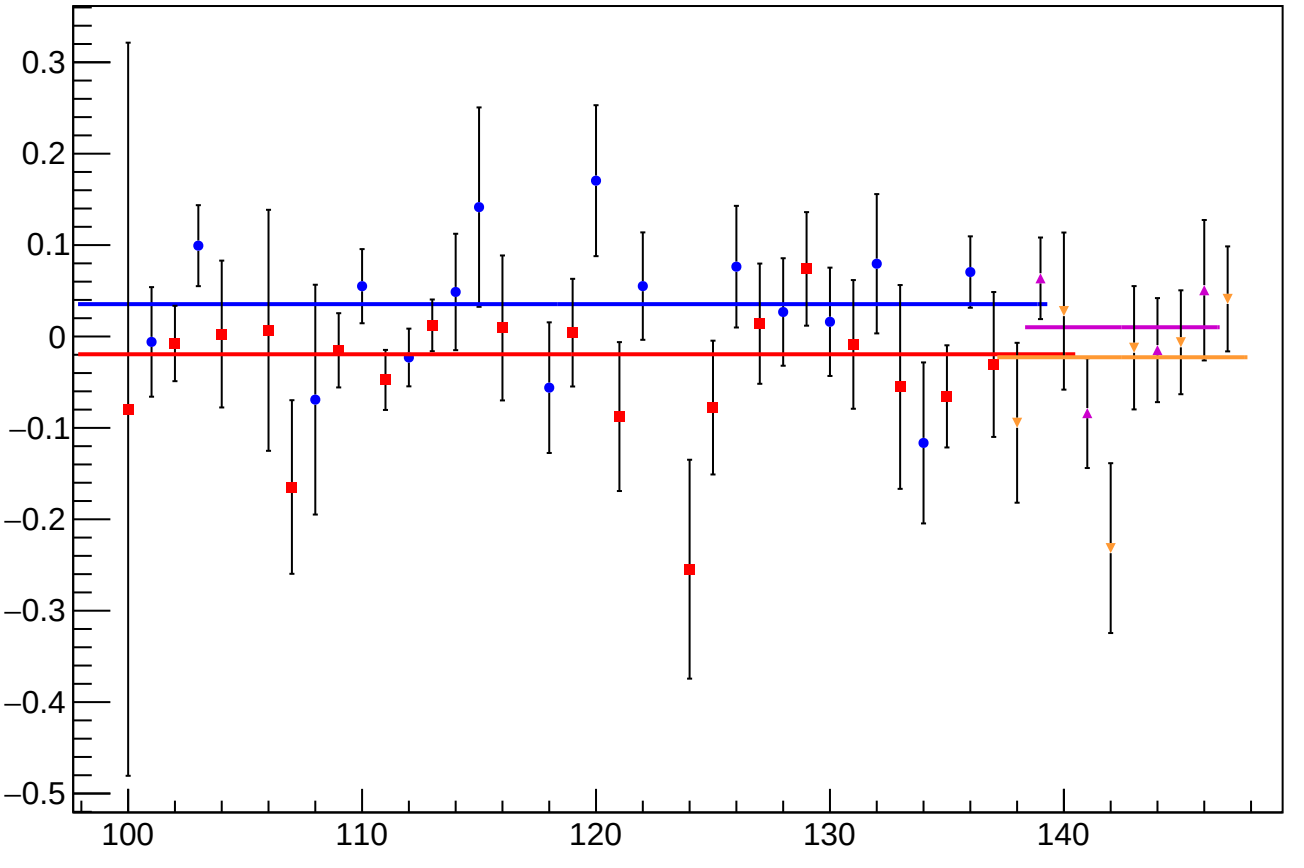
Left: 53.915+/-0.014 χ^2/NDF: 523214.1/9

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 37.442+/-0.009 χ^2/NDF:1875909.8/19

Out: 36.782+/-0.008 χ^2/NDF:3227065.4/24

All: 37.097+/-0.006 χ^2/NDF: 5105901.6/44



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.010+/-0.028 χ^2/NDF:4.4/3

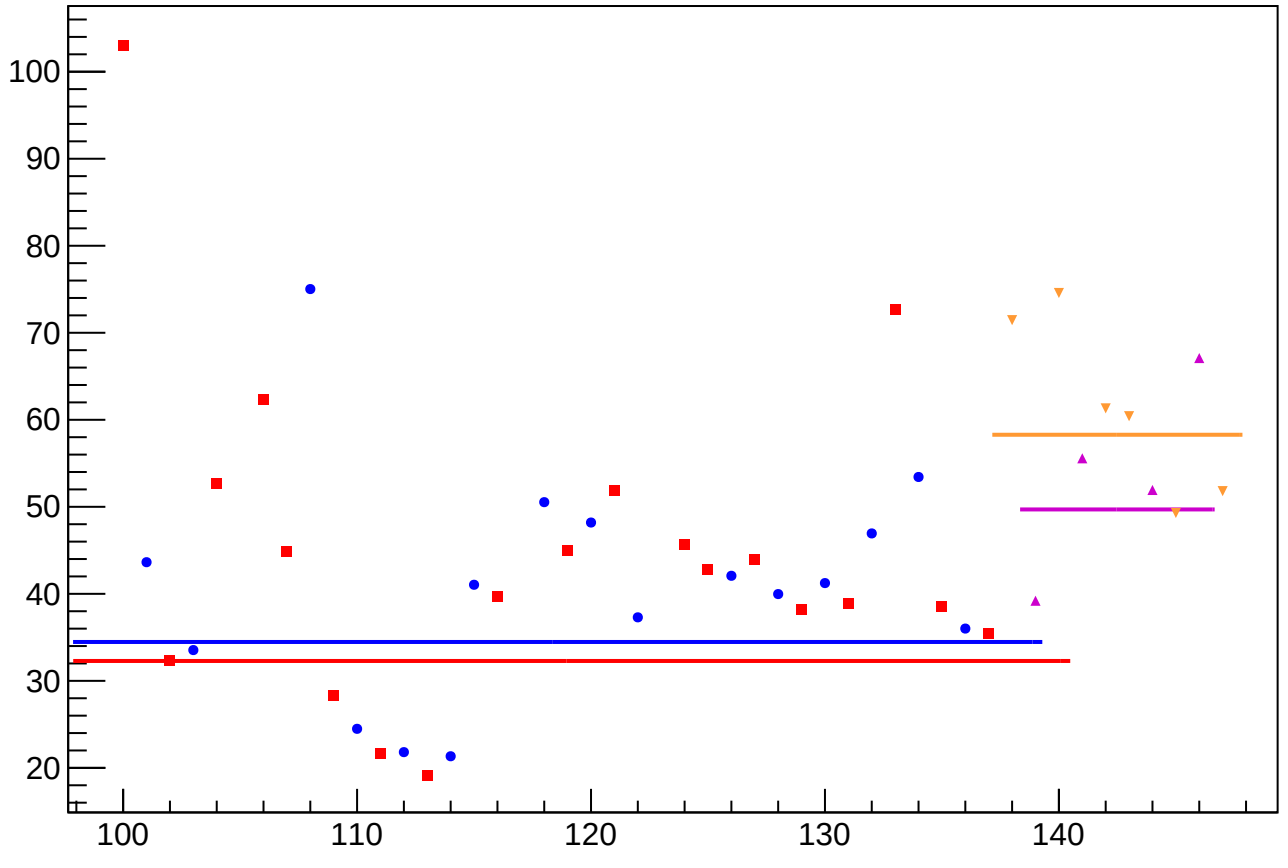
Left: -0.006+/-0.020 χ^2/NDF: 12.4/9

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:21.9/19

Out: -0.020+/-0.012 χ^2/NDF:20.8/24

All: 0.004+/-0.009 χ^2/NDF: 51.3/44



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 58.281+/-0.020 χ^2/NDF:196858.2/5

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.698+/-0.020 χ^2/NDF:235336.5/3

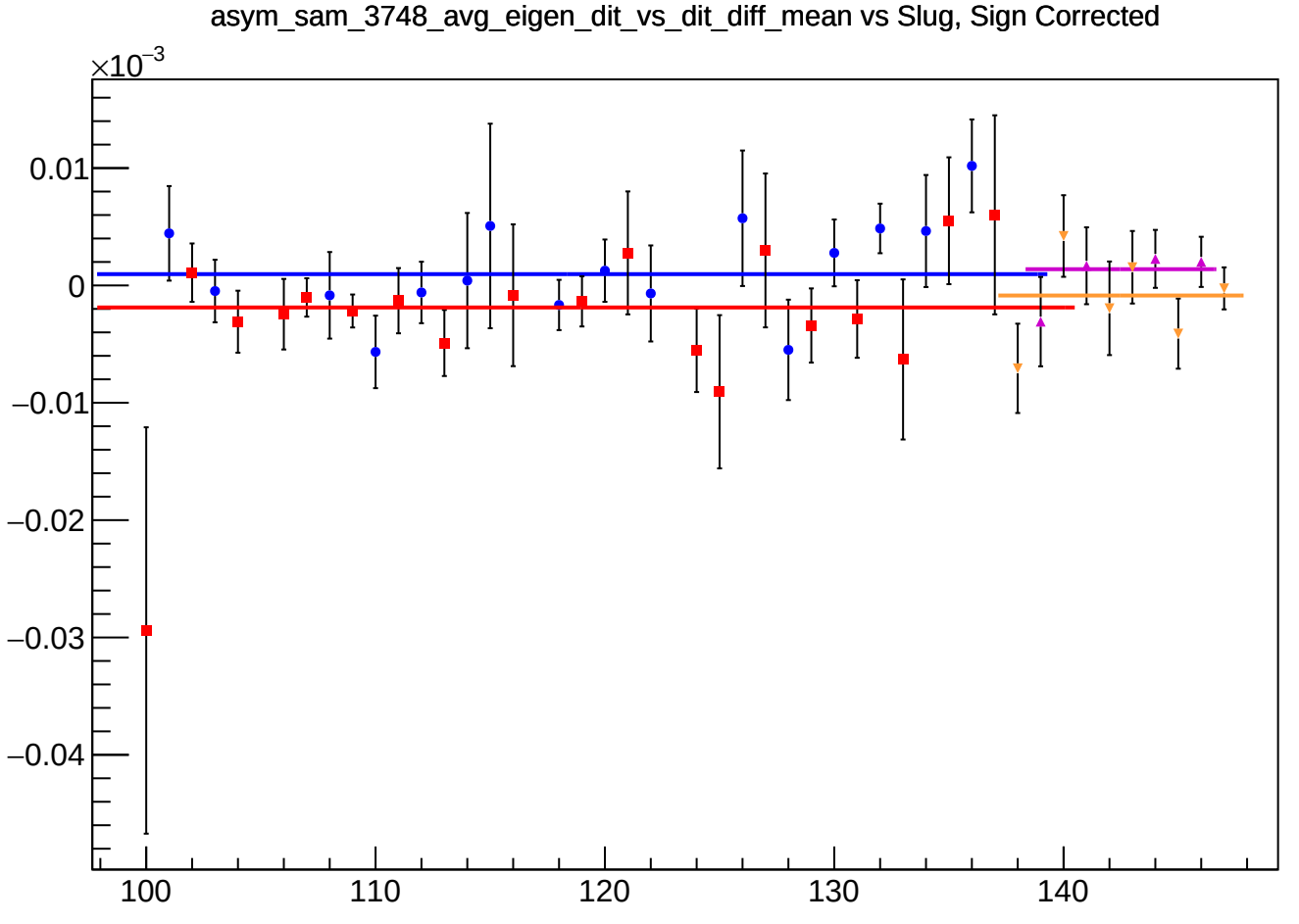
Left: 53.915+/-0.014 χ^2/NDF: 523214.1/9

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 37.442+/-0.009 χ^2/NDF:1875909.8/19

Out: 36.782+/-0.008 χ^2/NDF:3227065.4/24

All: 37.097+/-0.006 χ^2/NDF: 5105901.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

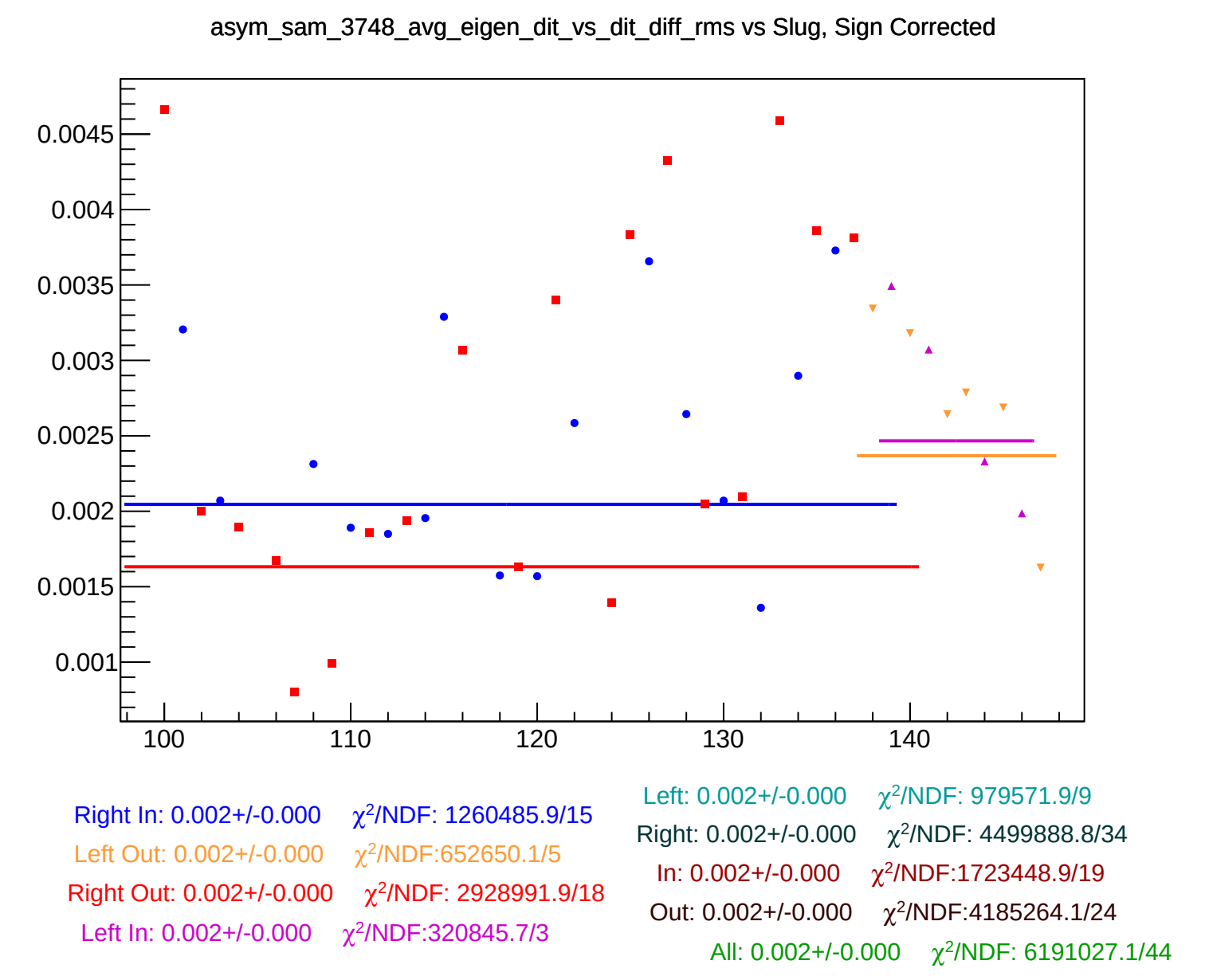
Left: 0.000+/-0.000 χ^2/NDF: 9.9/9

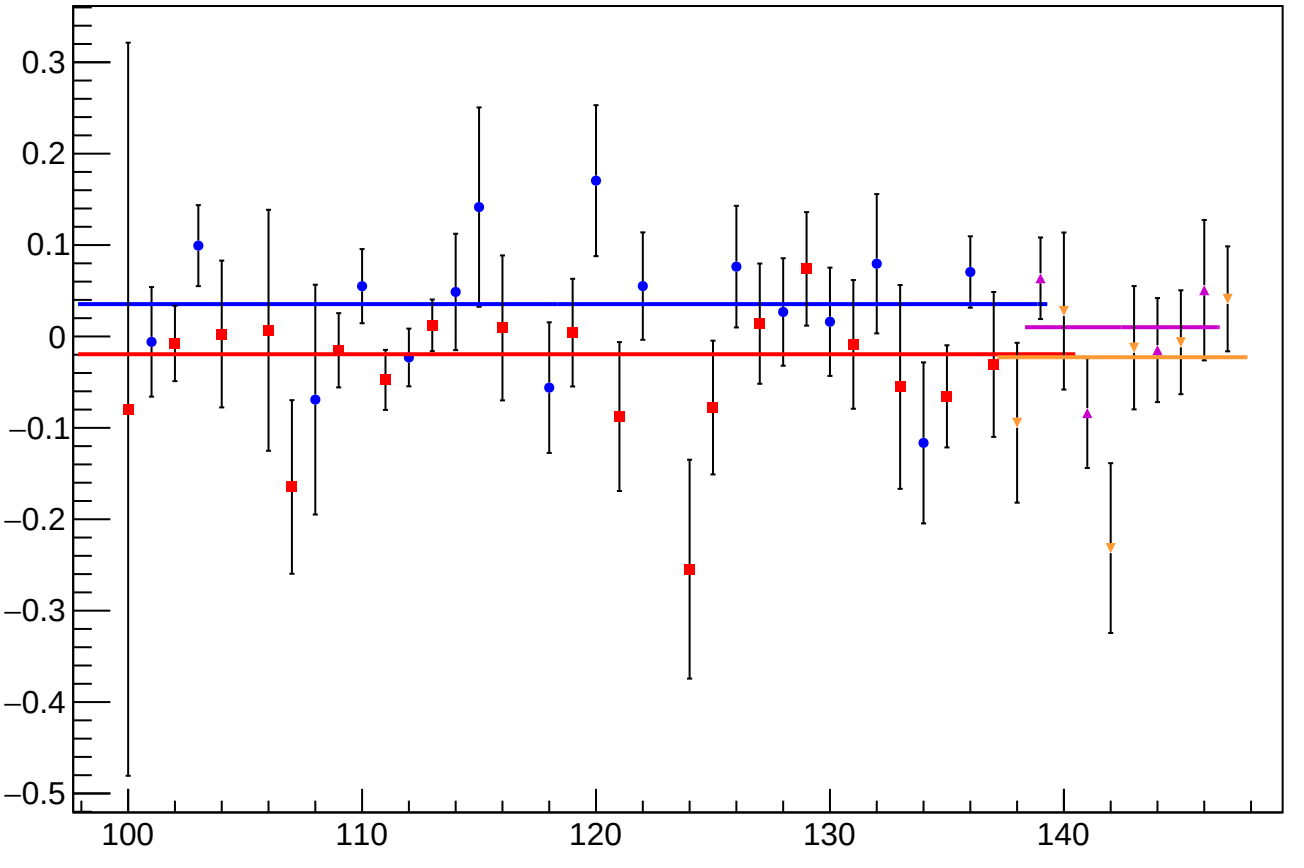
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:22.6/19

Out: -0.000+/-0.000 χ^2/NDF:20.2/24

All: -0.000+/-0.000 χ^2/NDF: 51.7/44


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:652650.1/5
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:320845.7/3
Left: 0.002+/-0.000 χ²/NDF: 979571.9/9
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:1723448.9/19
Out: 0.002+/-0.000 χ²/NDF:4185264.1/24
All: 0.002+/-0.000 χ²/NDF: 6191027.1/44



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: -0.023+/-0.029 χ^2/NDF:7.4/5

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.010+/-0.028 χ^2/NDF:4.4/3

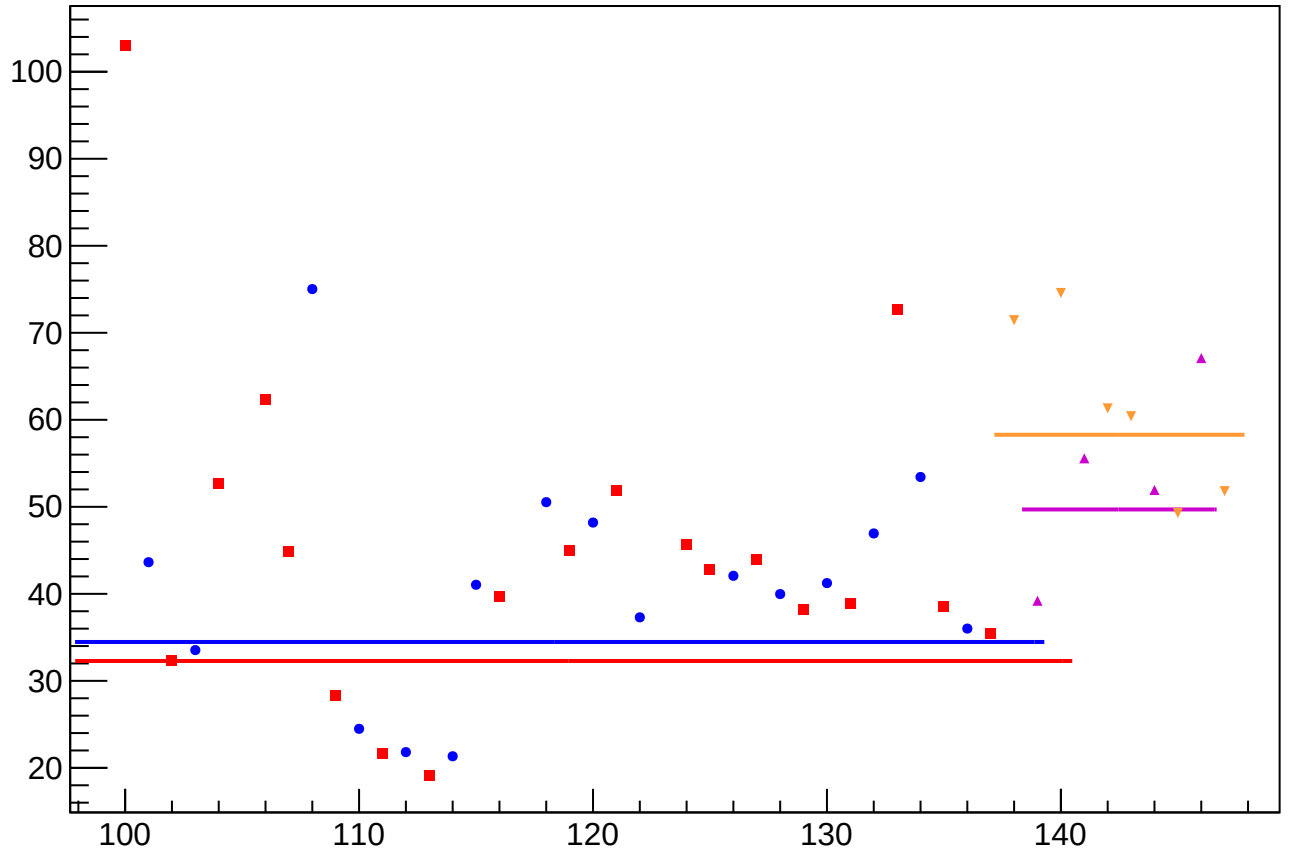
Left: -0.006+/-0.020 χ^2/NDF: 12.4/9

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:21.9/19

Out: -0.020+/-0.012 χ^2/NDF:20.8/24

All: 0.004+/-0.009 χ^2/NDF: 51.3/44



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 58.282+/-0.020 χ^2/NDF:196844.1/5

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.698+/-0.020 χ^2/NDF:235359.0/3

Left: 53.916+/-0.014 χ^2/NDF: 523231.9/9

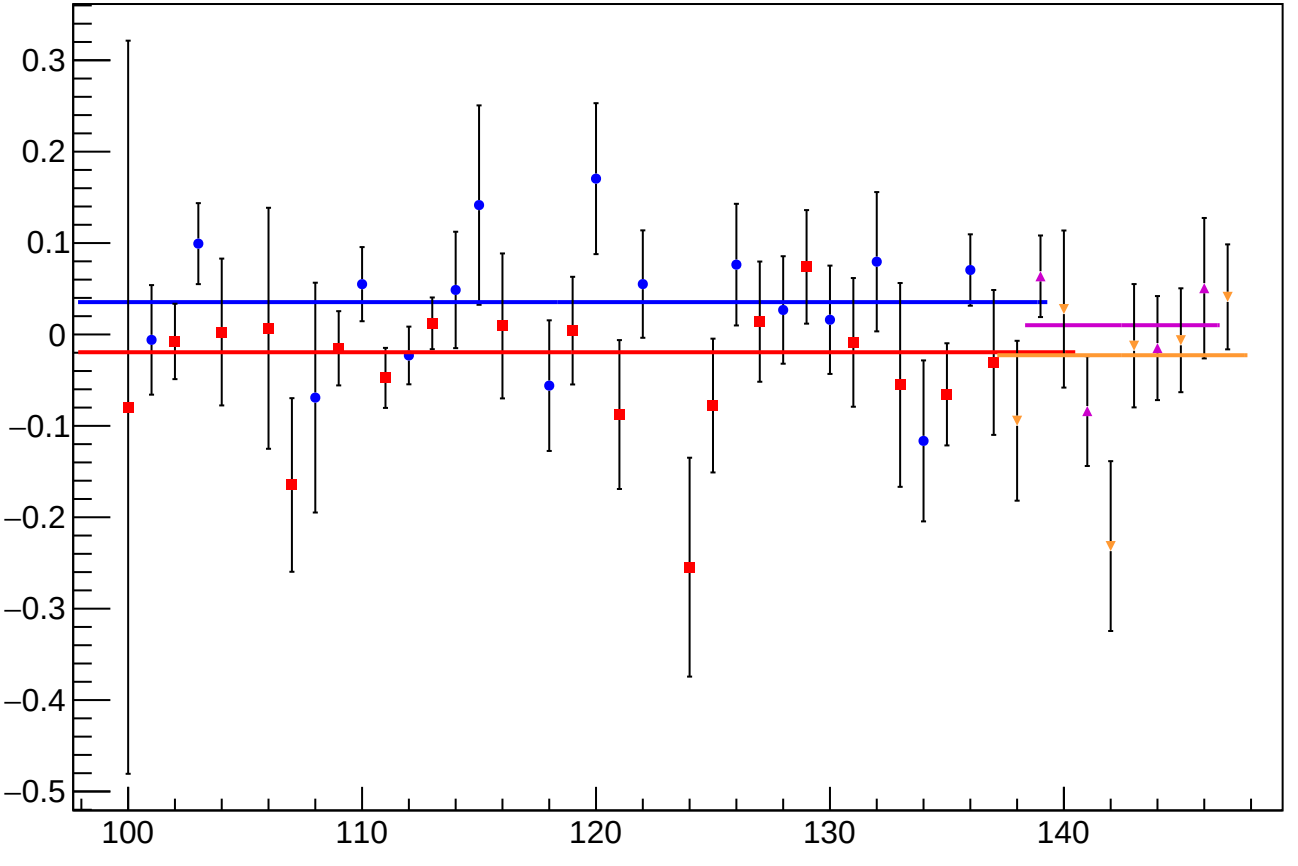
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 37.442+/-0.009 χ^2/NDF:1875878.3/19

Out: 36.782+/-0.008 χ^2/NDF:3227035.8/24

All: 37.098+/-0.006 χ^2/NDF: 5105839.7/44

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: -0.023+/-0.029 χ^2/NDF:7.4/5

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.010+/-0.028 χ^2/NDF:4.4/3

Left: -0.006+/-0.020 χ^2/NDF: 12.4/9

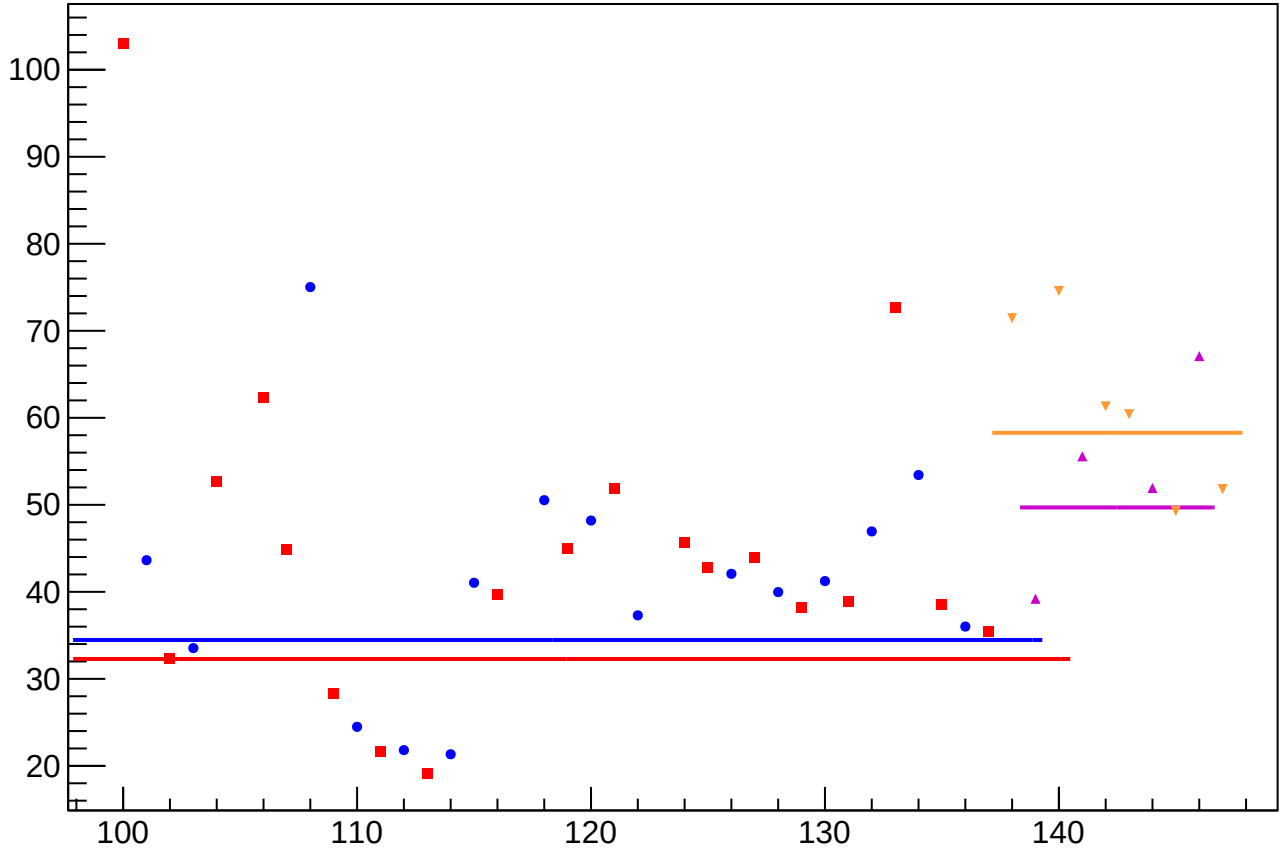
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:21.9/19

Out: -0.020+/-0.012 χ^2/NDF:20.8/24

All: 0.004+/-0.009 χ^2/NDF: 51.3/44

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 58.282+/-0.020 χ^2/NDF:196844.1/5

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.698+/-0.020 χ^2/NDF:235359.0/3

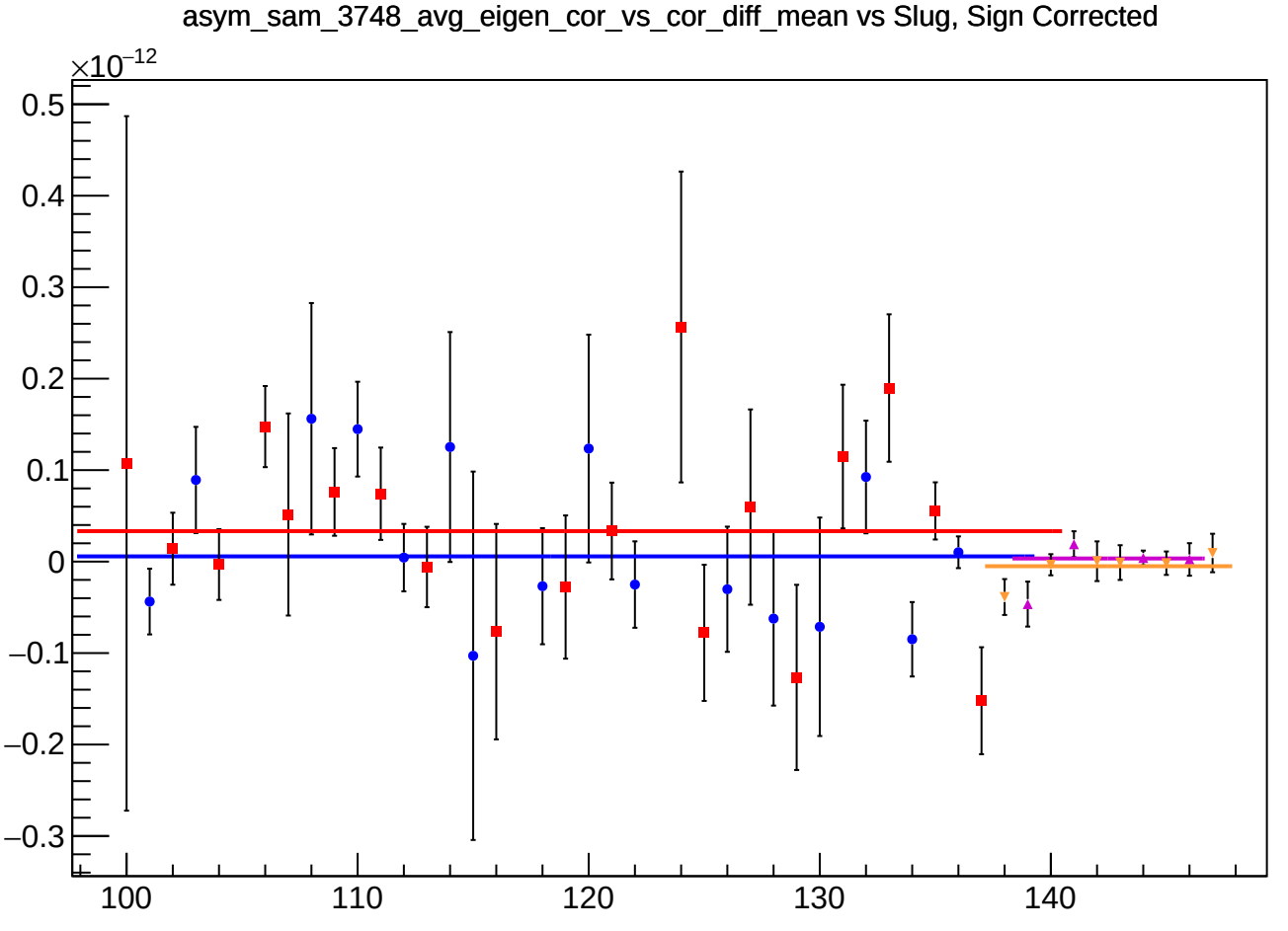
Left: 53.916+/-0.014 χ^2/NDF: 523231.9/9

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 37.442+/-0.009 χ^2/NDF:1875878.3/19

Out: 36.782+/-0.008 χ^2/NDF:3227035.8/24

All: 37.098+/-0.006 χ^2/NDF: 5105839.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/3

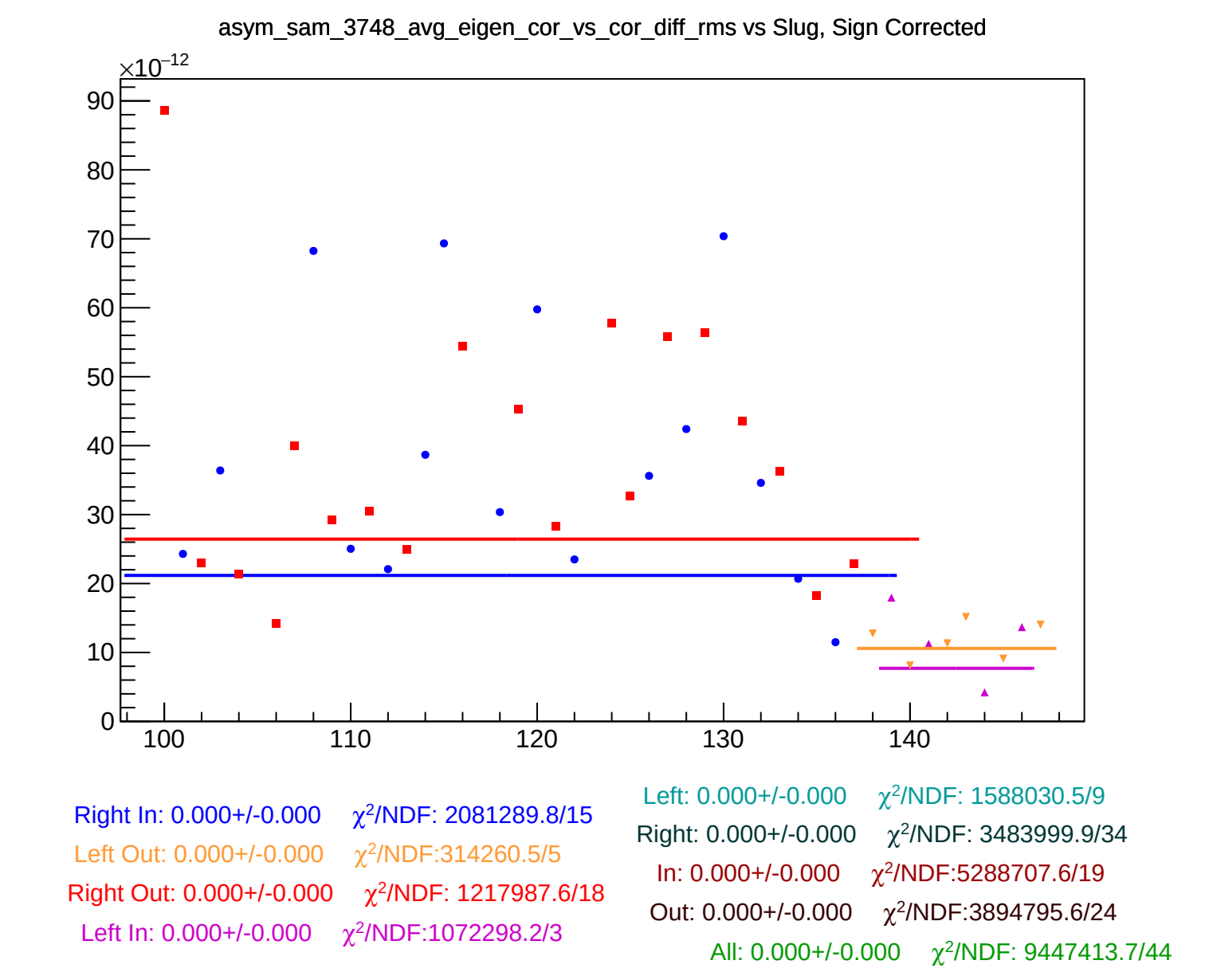
Left: -0.000+/-0.000 χ^2/NDF: 9.8/9

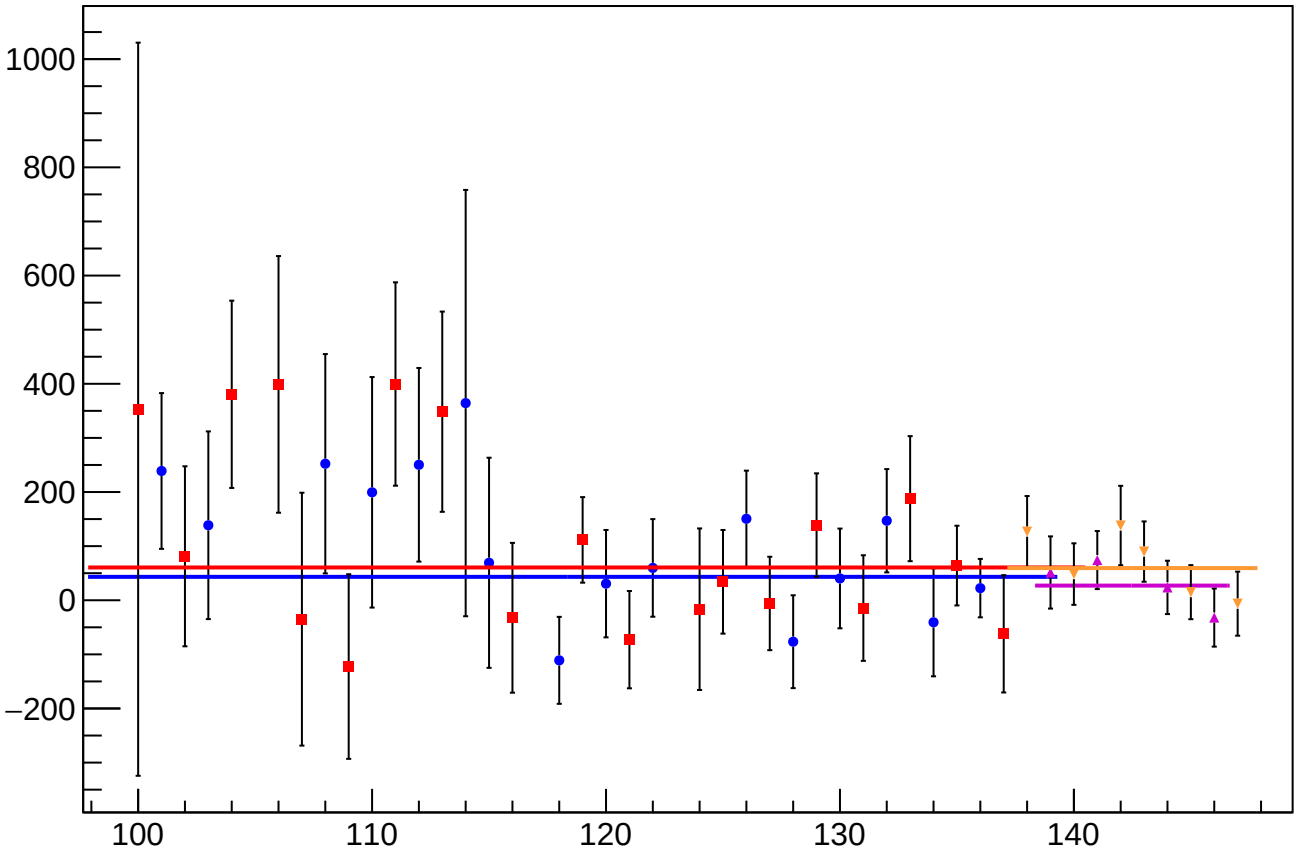
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:28.9/19

Out: 0.000+/-0.000 χ^2/NDF:44.0/24

All: 0.000+/-0.000 χ^2/NDF: 73.0/44


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
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:314260.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:1072298.2/3
Left: 0.000+/-0.000 χ²/NDF: 1588030.5/9
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:5288707.6/19
Out: 0.000+/-0.000 χ²/NDF:3894795.6/24
All: 0.000+/-0.000 χ²/NDF: 9447413.7/44



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 59.441+/-24.015 χ^2/NDF:4.6/5

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 27.081+/-27.416 χ^2/NDF:2.1/3

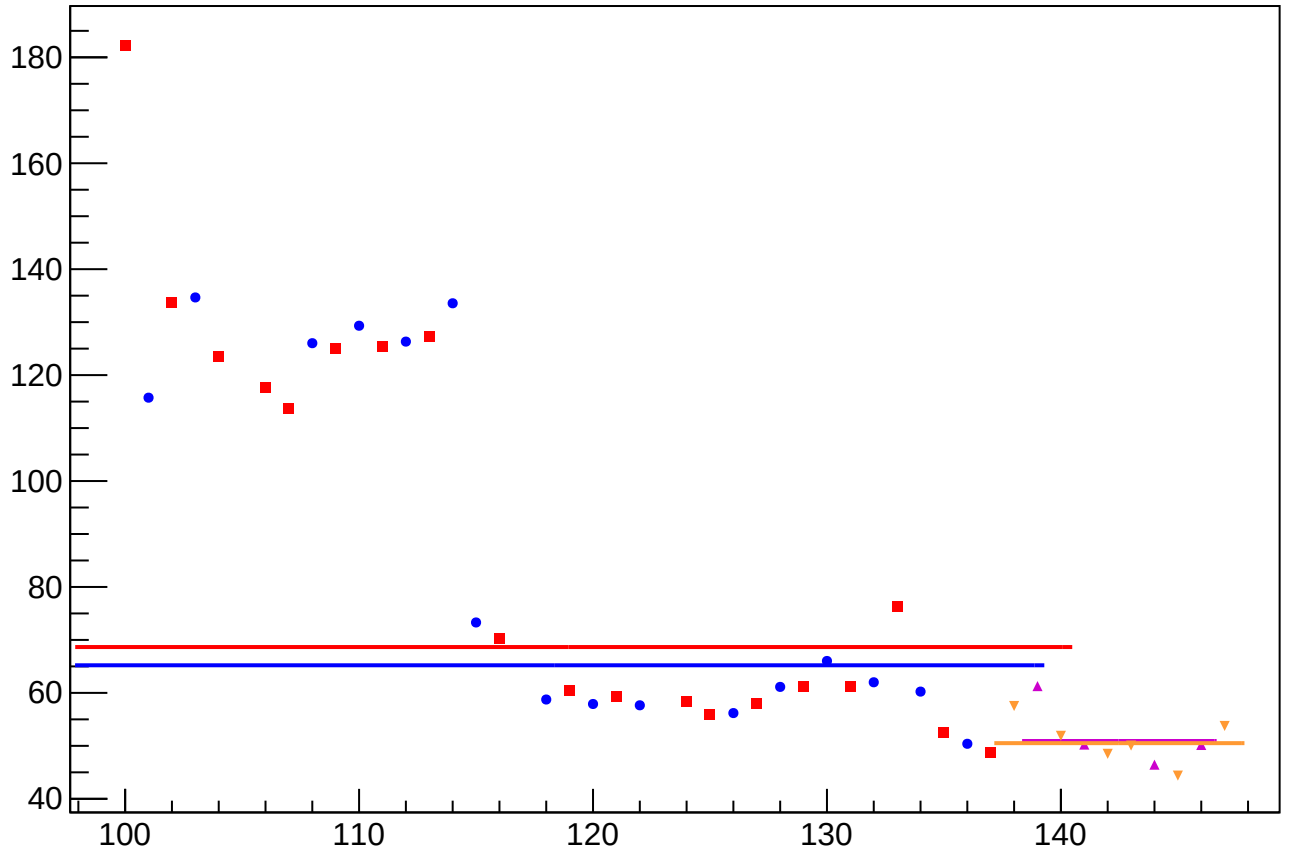
Left: 45.391+/-18.065 χ^2/NDF: 7.5/9

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 35.660+/-18.781 χ^2/NDF:17.3/19

Out: 59.947+/-17.913 χ^2/NDF:25.0/24

All: 48.378+/-12.962 χ^2/NDF: 43.1/44



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 50.510+/-0.017 χ^2/NDF:61681.0/5

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

Left: 50.686+/-0.013 χ^2/NDF: 127343.8/9

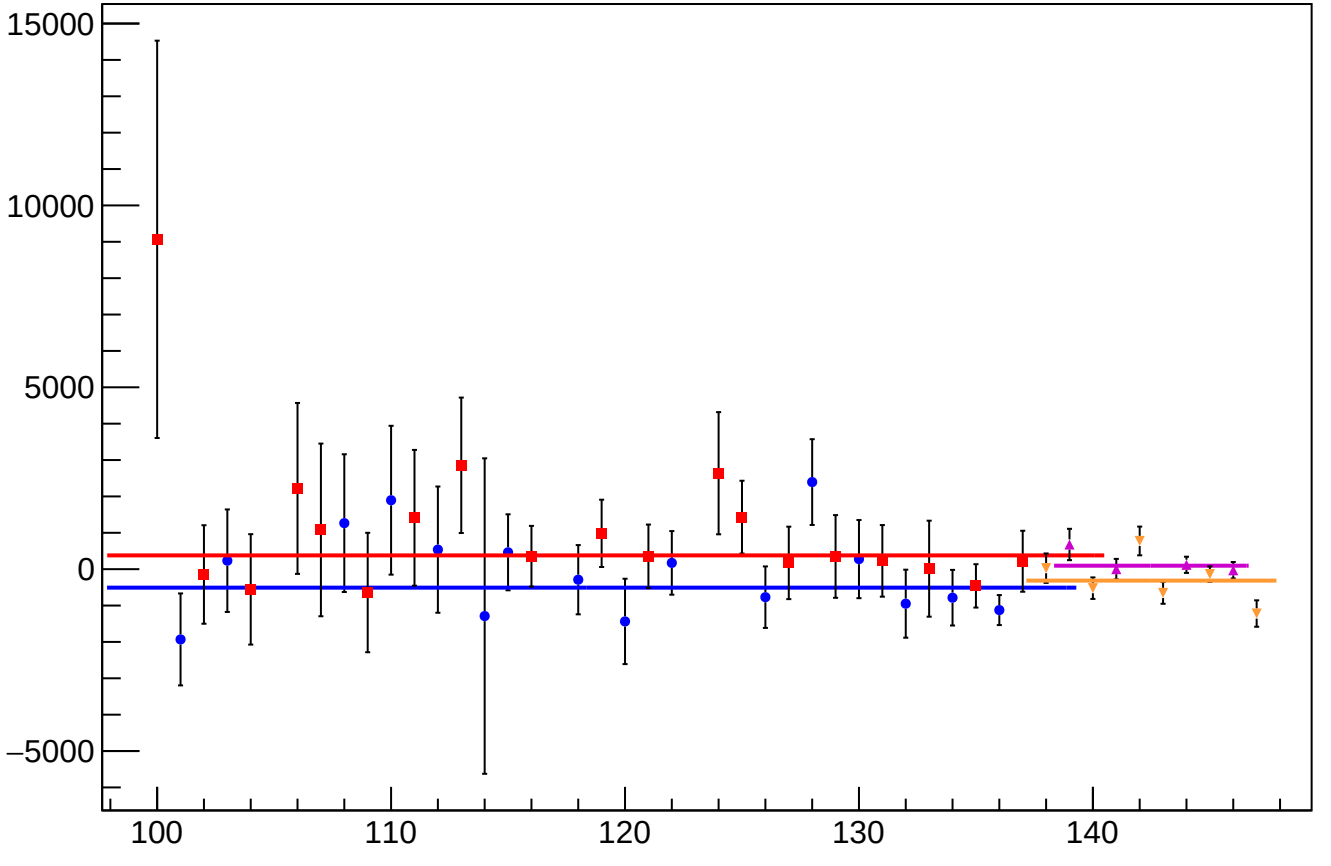
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 58.503+/-0.013 χ^2/NDF:1800597.7/19

Out: 58.560+/-0.013 χ^2/NDF:2209172.3/24

All: 58.533+/-0.009 χ^2/NDF: 4009779.8/44

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: -314.520+/-124.254 χ^2/NDF:17.0/5

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 95.496+/-131.629 χ^2/NDF:2.3/3

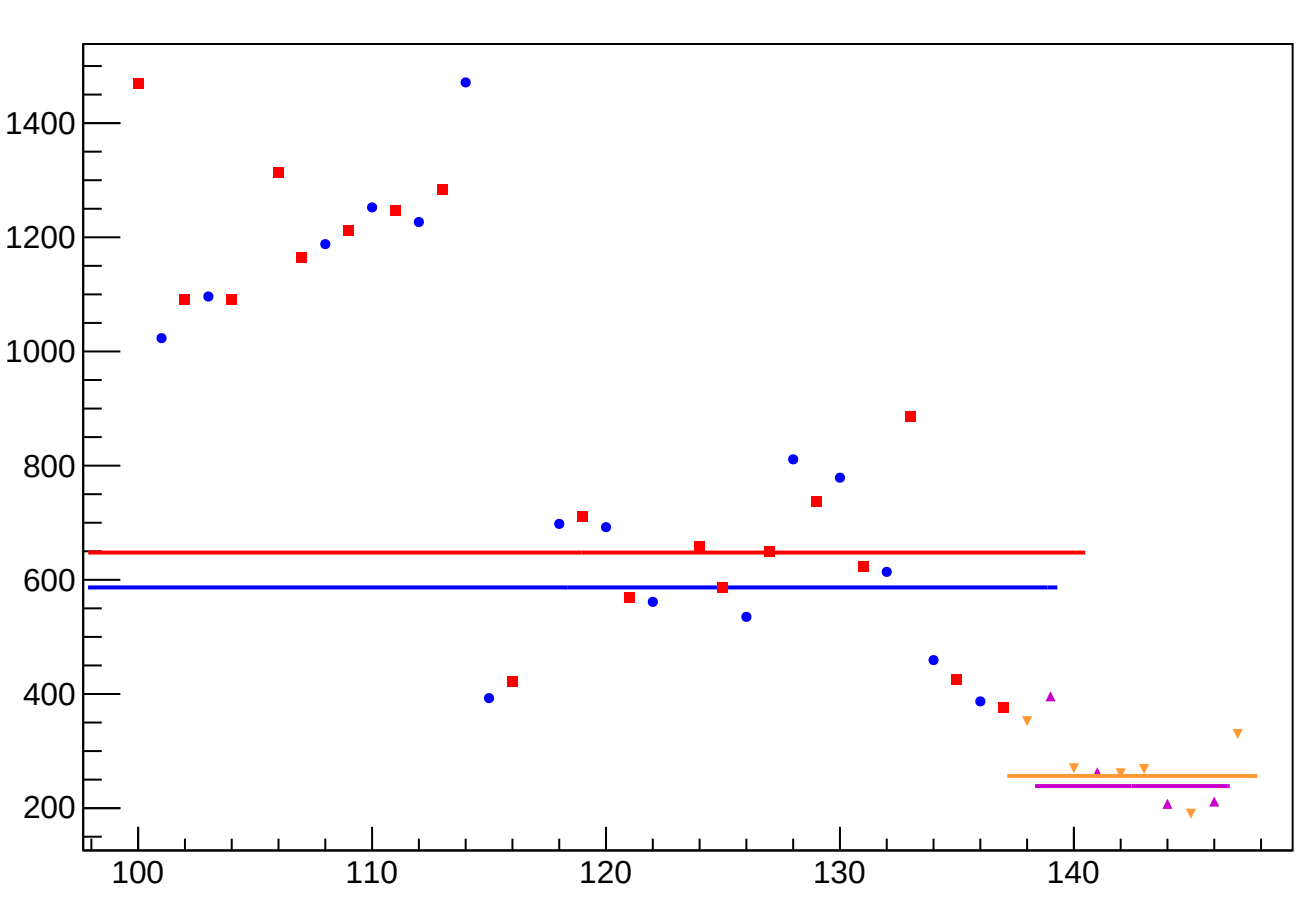
Left: -121.320+/-90.355 χ^2/NDF: 24.4/9

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -46.809+/-115.066 χ^2/NDF:22.8/19

Out: -182.651+/-111.816 χ^2/NDF:34.7/24

All: -116.675+/-80.190 χ^2/NDF: 58.2/44



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 256.438+/-0.088 χ^2/NDF:394357.7/5

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 238.696+/-0.093 χ^2/NDF:348609.6/3

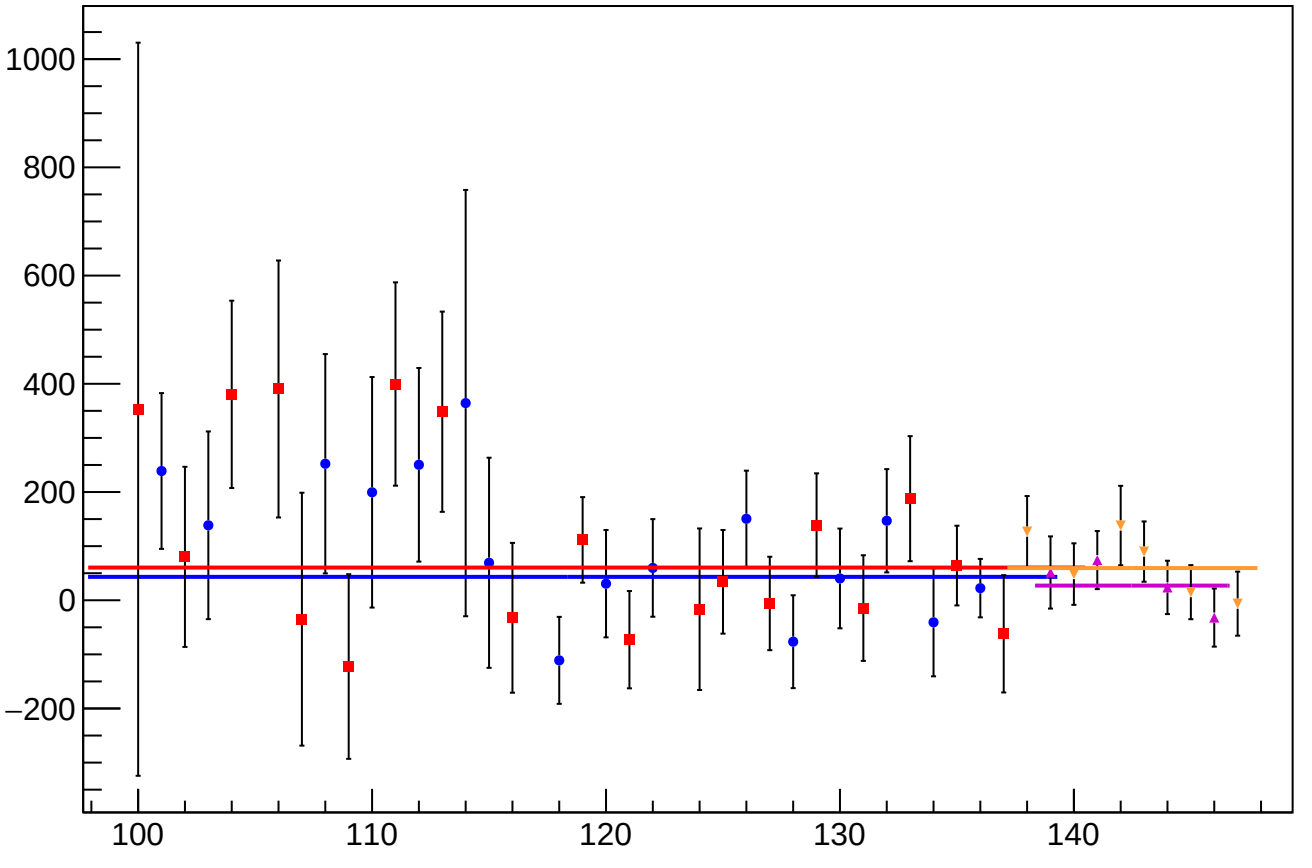
Left: 248.078+/-0.064 χ^2/NDF: 762180.2/9

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 320.753+/-0.081 χ^2/NDF:5697514.5/19

Out: 330.852+/-0.079 χ^2/NDF:6272046.6/24

All: 325.947+/-0.057 χ^2/NDF: 11977485.7/44



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 59.446+/-24.015 χ^2/NDF:4.6/5

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 27.084+/-27.416 χ^2/NDF:2.1/3

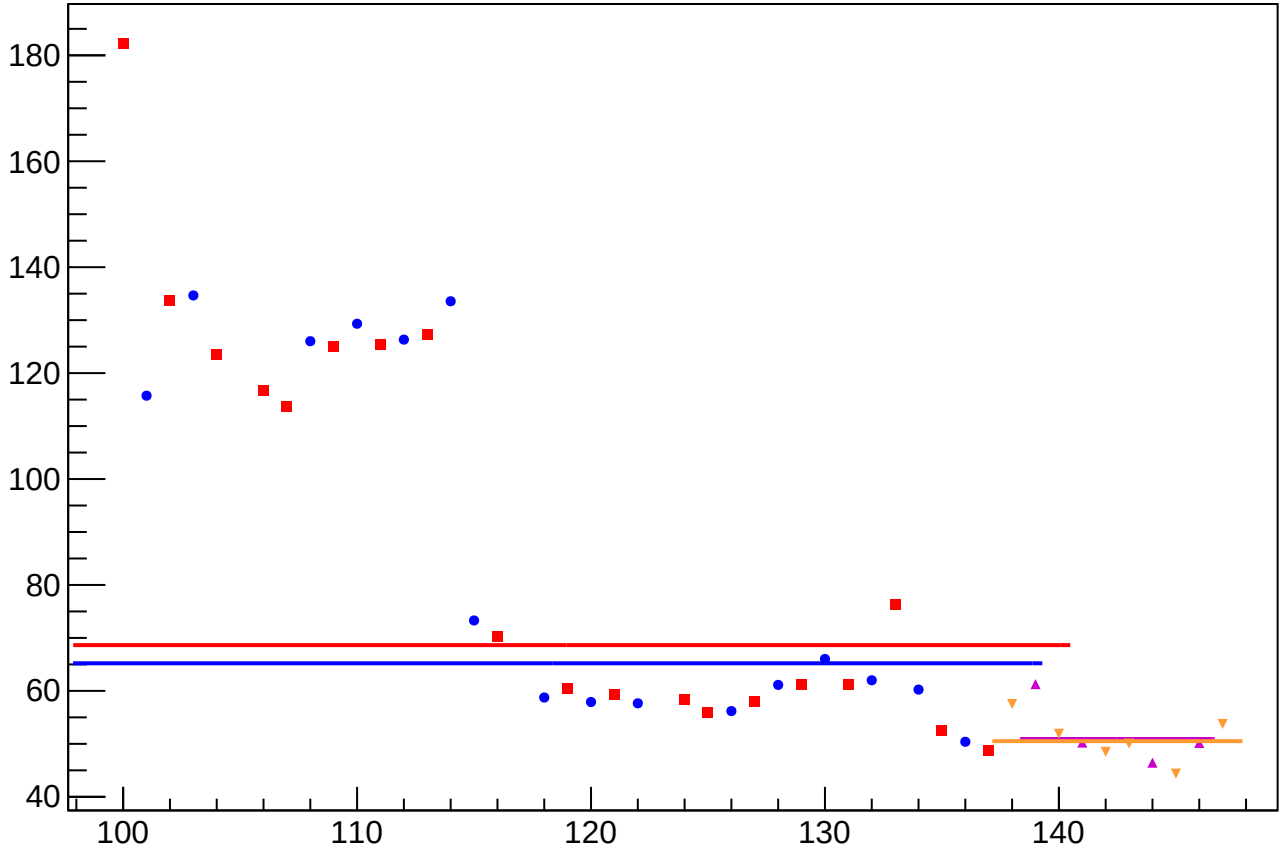
Left: 45.395+/-18.065 χ^2/NDF: 7.5/9

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 35.658+/-18.781 χ^2/NDF:17.3/19

Out: 59.883+/-17.913 χ^2/NDF:24.9/24

All: 48.343+/-12.963 χ^2/NDF: 43.0/44



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.510+/-0.017 χ^2/NDF:61681.0/5

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

Left: 50.686+/-0.013 χ^2/NDF: 127343.8/9

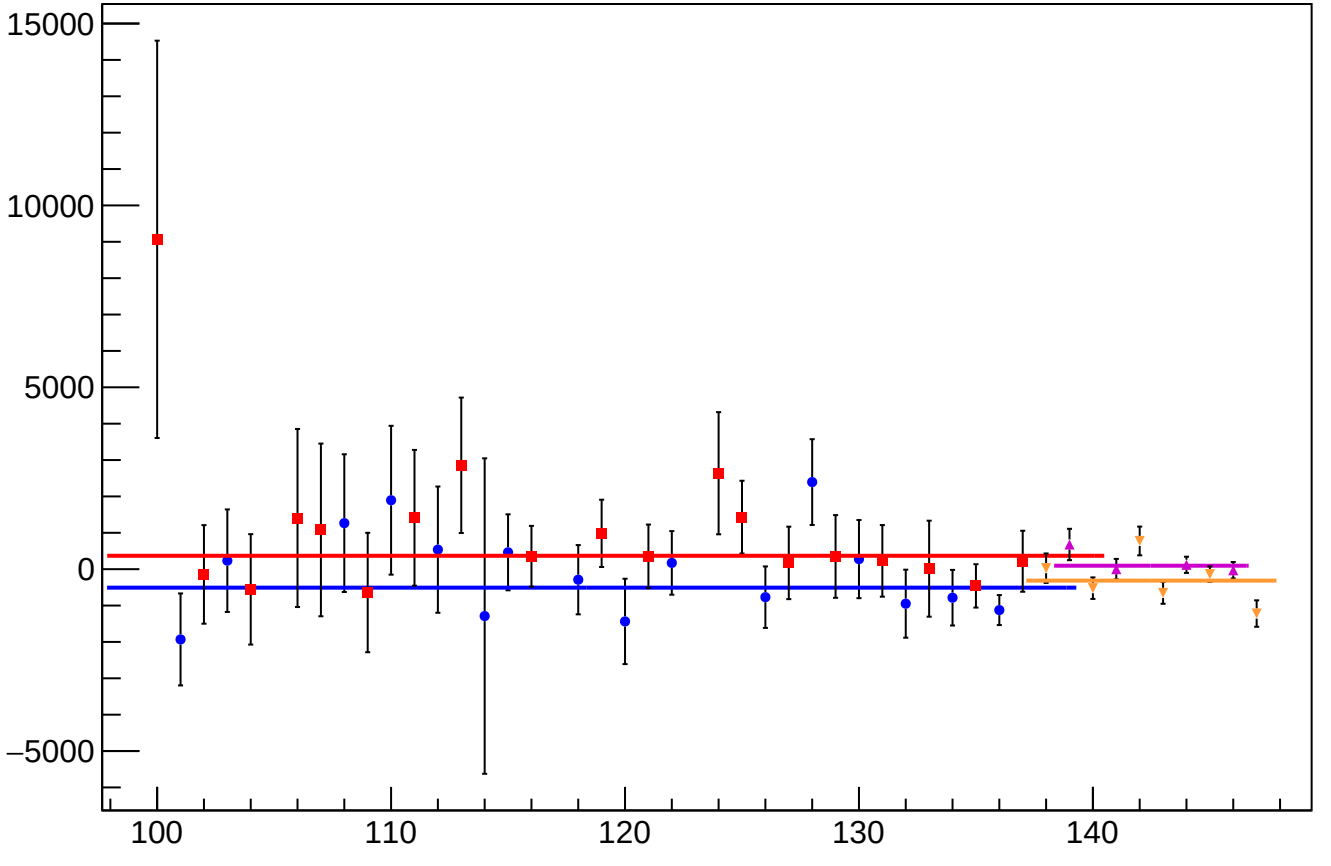
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 58.503+/-0.013 χ^2/NDF:1800599.9/19

Out: 58.554+/-0.013 χ^2/NDF:2205009.2/24

All: 58.529+/-0.009 χ^2/NDF: 4005616.8/44

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: -314.514+/-124.254 χ^2/NDF:17.0/5

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 95.495+/-131.629 χ^2/NDF:2.3/3

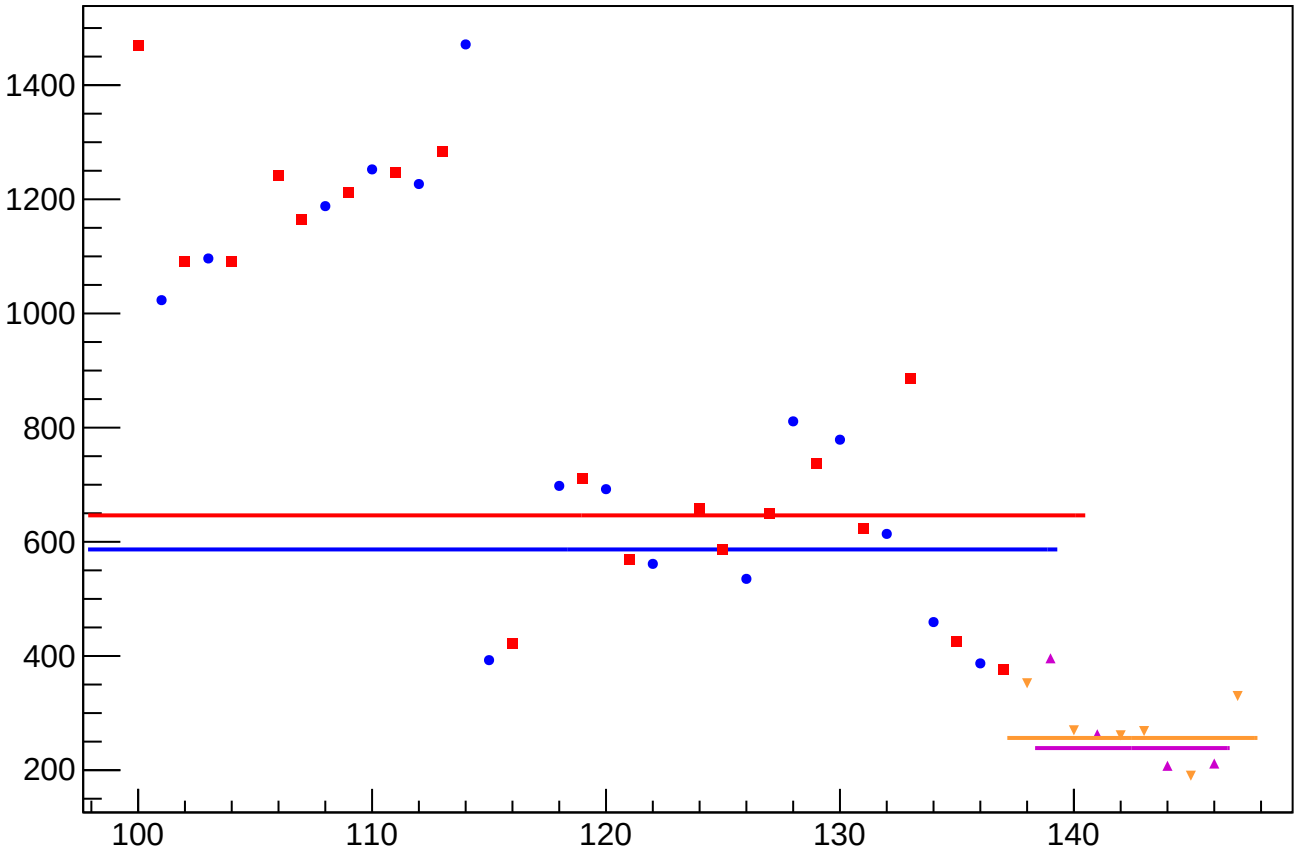
Left: -121.317+/-90.355 χ^2/NDF: 24.4/9

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -46.805+/-115.066 χ^2/NDF:22.8/19

Out: -184.758+/-111.827 χ^2/NDF:34.0/24

All: -117.751+/-80.194 χ^2/NDF: 57.6/44



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 256.438+/-0.088 χ^2/NDF:394359.2/5

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 238.697+/-0.093 χ^2/NDF:348608.5/3

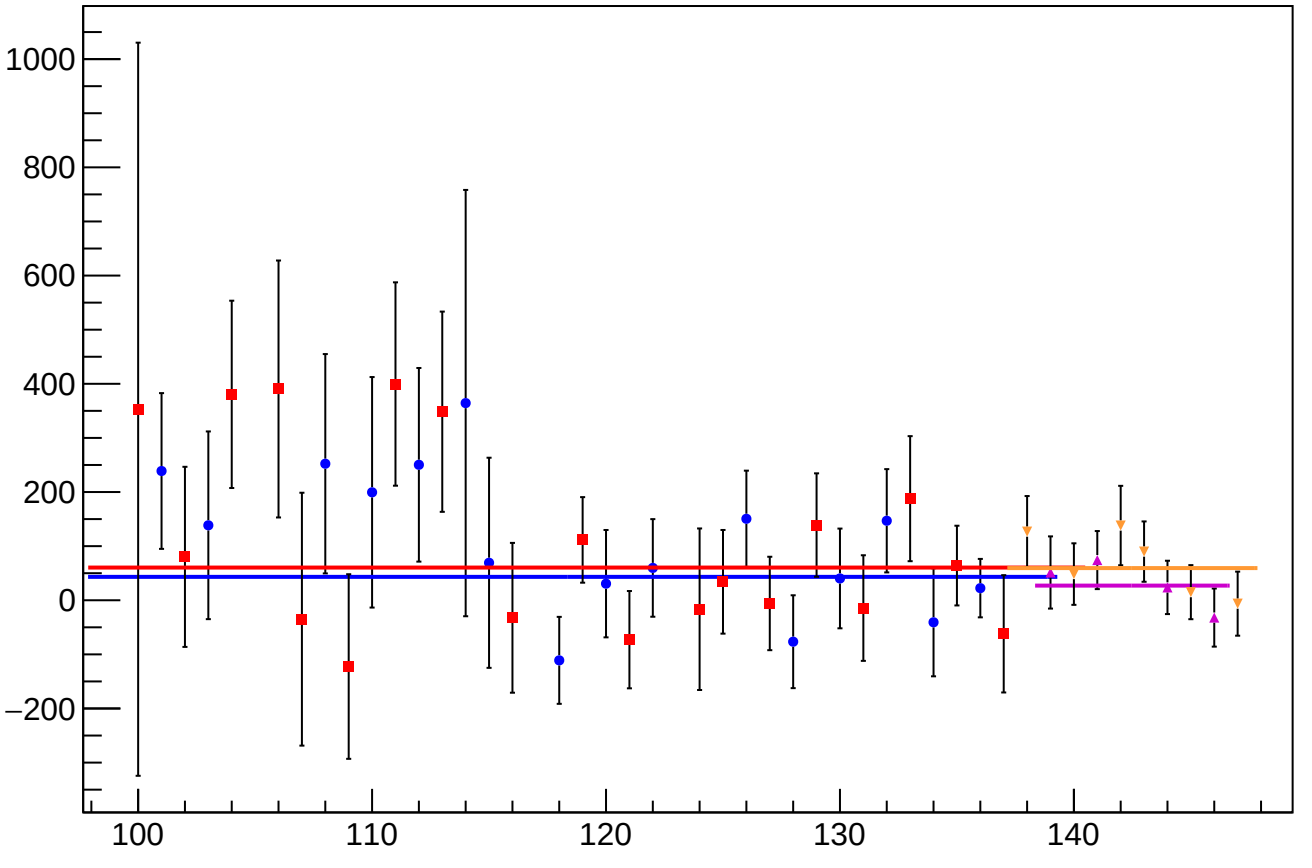
Left: 248.078+/-0.064 χ^2/NDF: 762179.7/9

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 320.753+/-0.081 χ^2/NDF:5697532.8/19

Out: 330.525+/-0.079 χ^2/NDF:6199502.5/24

All: 325.778+/-0.057 χ^2/NDF: 11904453.6/44



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 59.446+/-24.015 χ^2/NDF:4.6/5

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 27.084+/-27.416 χ^2/NDF:2.1/3

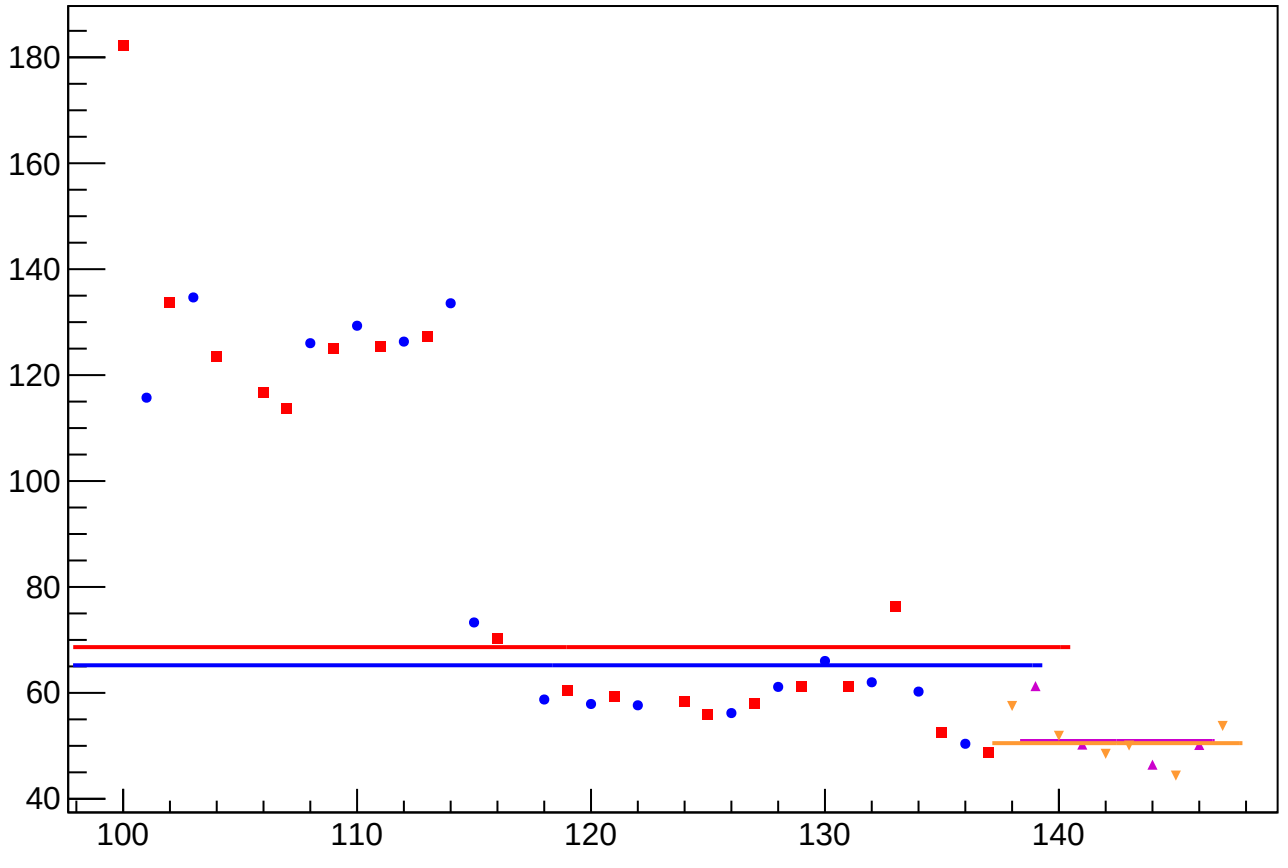
Left: 45.395+/-18.065 χ^2/NDF: 7.5/9

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 35.658+/-18.781 χ^2/NDF:17.3/19

Out: 59.883+/-17.913 χ^2/NDF:24.9/24

All: 48.343+/-12.963 χ^2/NDF: 43.0/44



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.510+/-0.017 χ^2/NDF:61681.0/5

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.915+/-0.019 χ^2/NDF:65415.9/3

Left: 50.686+/-0.013 χ^2/NDF: 127343.8/9

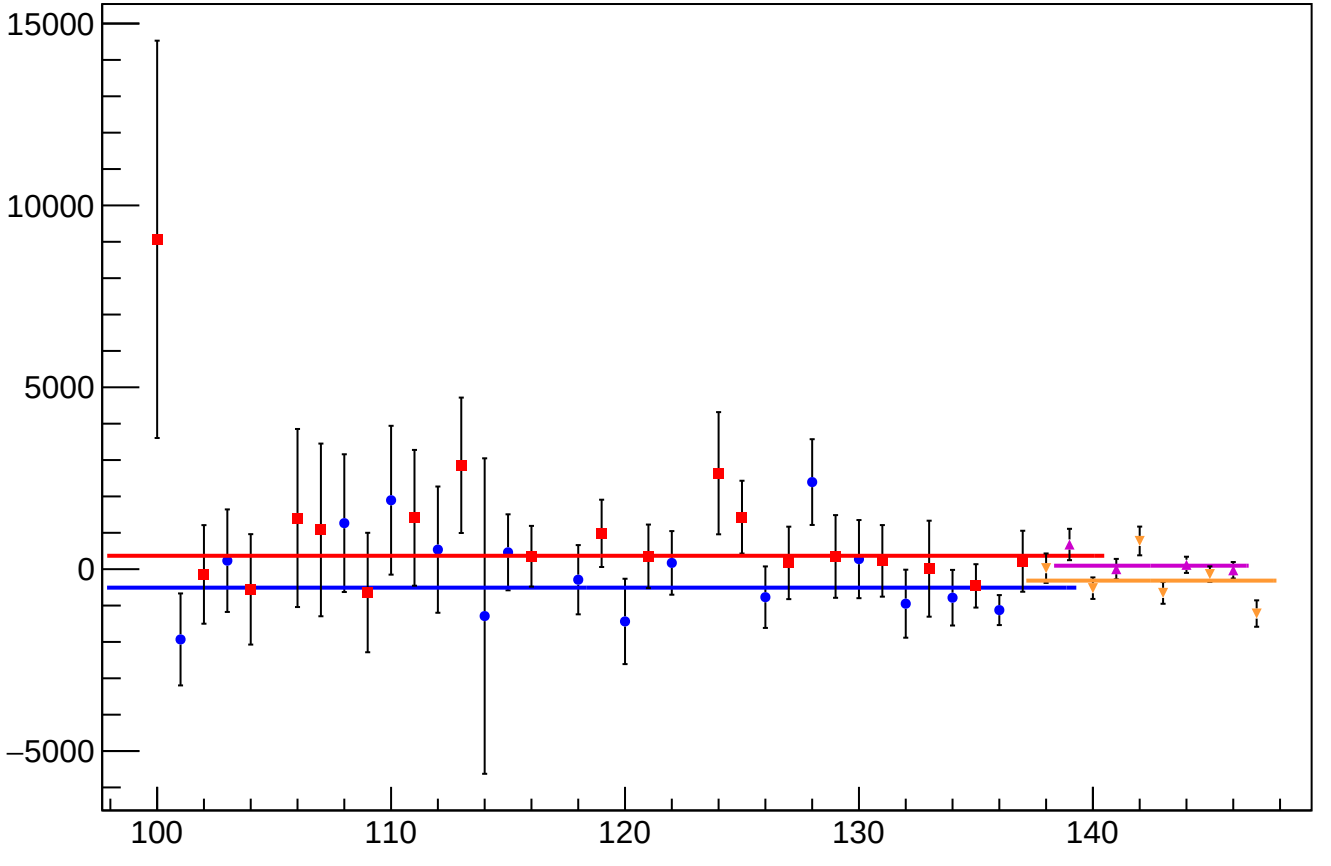
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 58.503+/-0.013 χ^2/NDF:1800599.9/19

Out: 58.554+/-0.013 χ^2/NDF:2205009.2/24

All: 58.529+/-0.009 χ^2/NDF: 4005616.8/44

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: -314.514+/-124.254 χ^2/NDF:17.0/5

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 95.495+/-131.629 χ^2/NDF:2.3/3

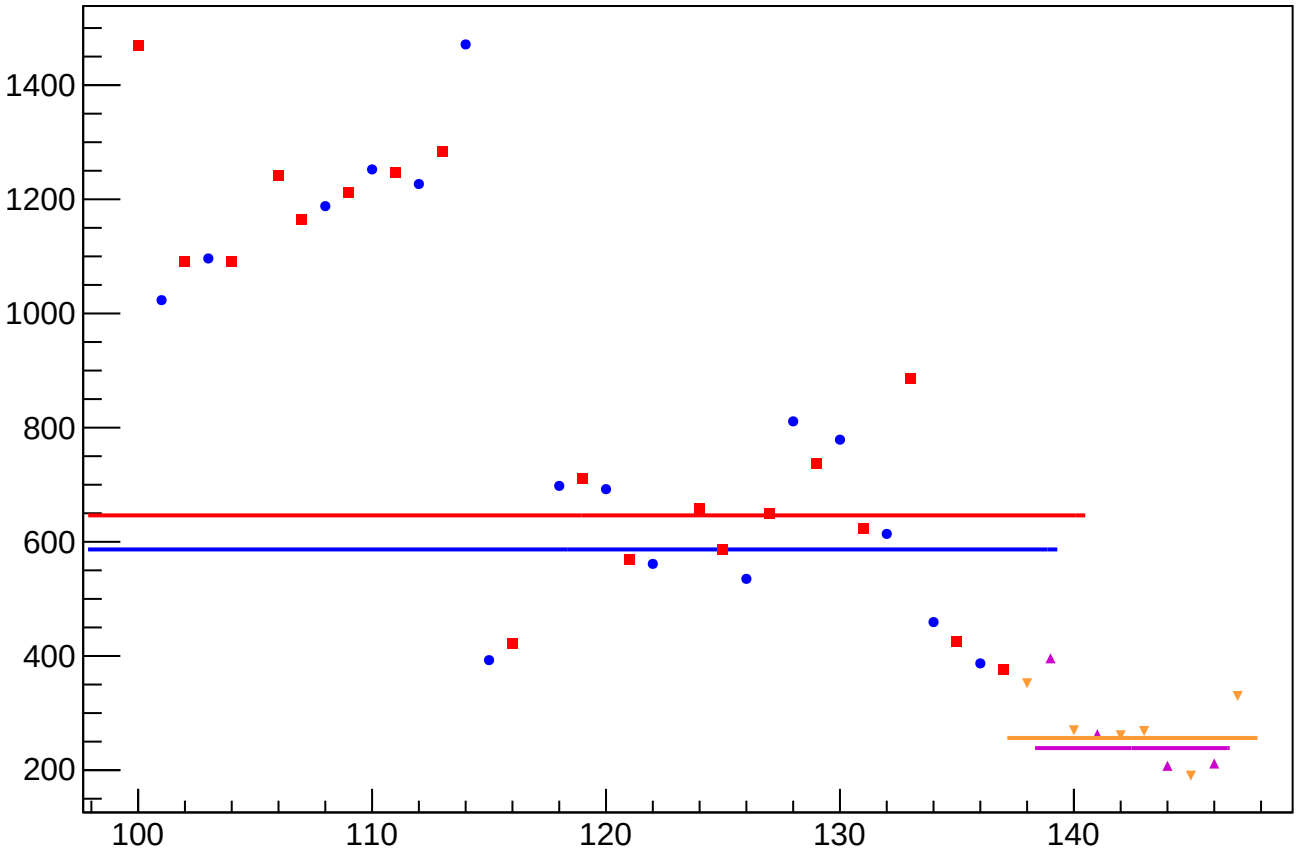
Left: -121.317+/-90.355 χ^2/NDF: 24.4/9

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -46.805+/-115.066 χ^2/NDF:22.8/19

Out: -184.758+/-111.827 χ^2/NDF:34.0/24

All: -117.751+/-80.194 χ^2/NDF: 57.6/44



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 256.438+/-0.088 χ^2/NDF:394359.2/5

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 238.697+/-0.093 χ^2/NDF:348608.5/3

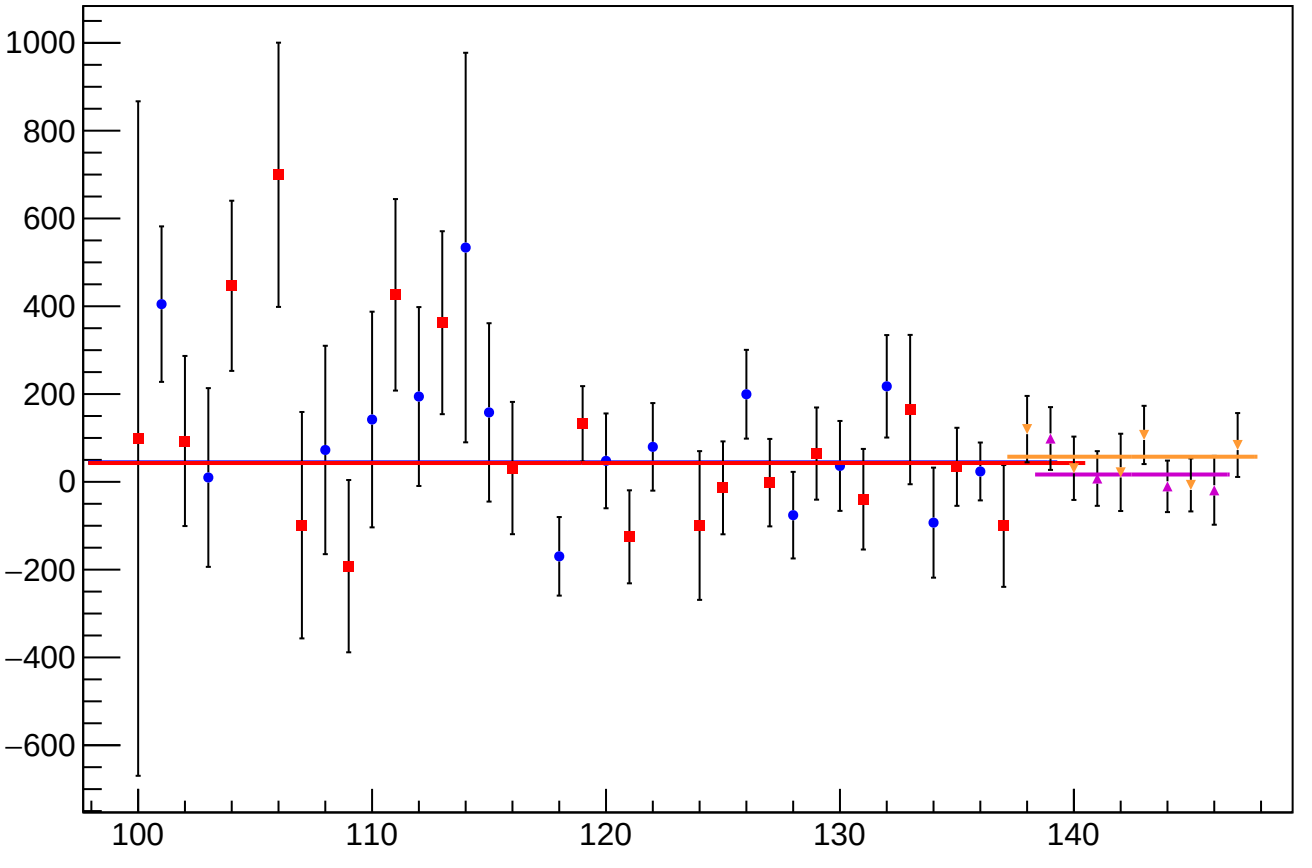
Left: 248.078+/-0.064 χ^2/NDF: 762179.7/9

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 320.753+/-0.081 χ^2/NDF:5697532.8/19

Out: 330.525+/-0.079 χ^2/NDF:6199502.5/24

All: 325.778+/-0.057 χ^2/NDF: 11904453.6/44



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 57.261+/-29.031 χ^2/NDF:2.8/5

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 16.731+/-33.221 χ^2/NDF:1.8/3

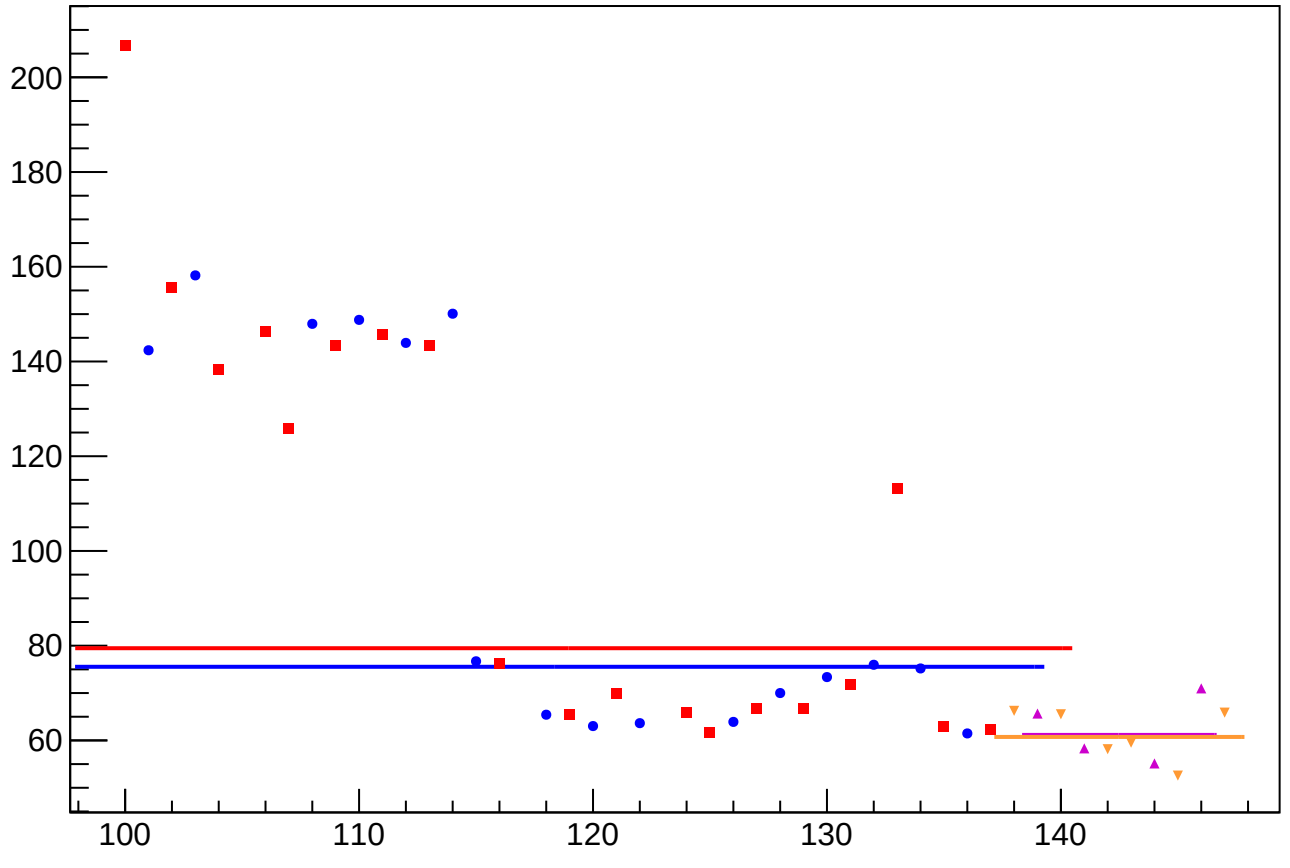
Left: 39.711+/-21.860 χ^2/NDF: 5.4/9

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 32.006+/-22.227 χ^2/NDF:21.8/19

Out: 50.608+/-21.269 χ^2/NDF:26.2/24

All: 41.717+/-15.367 χ^2/NDF: 48.3/44



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 60.734+/-0.021 χ^2/NDF:68312.2/5

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 61.161+/-0.023 χ^2/NDF:64580.7/3

Left: 60.919+/-0.015 χ^2/NDF: 133080.8/9

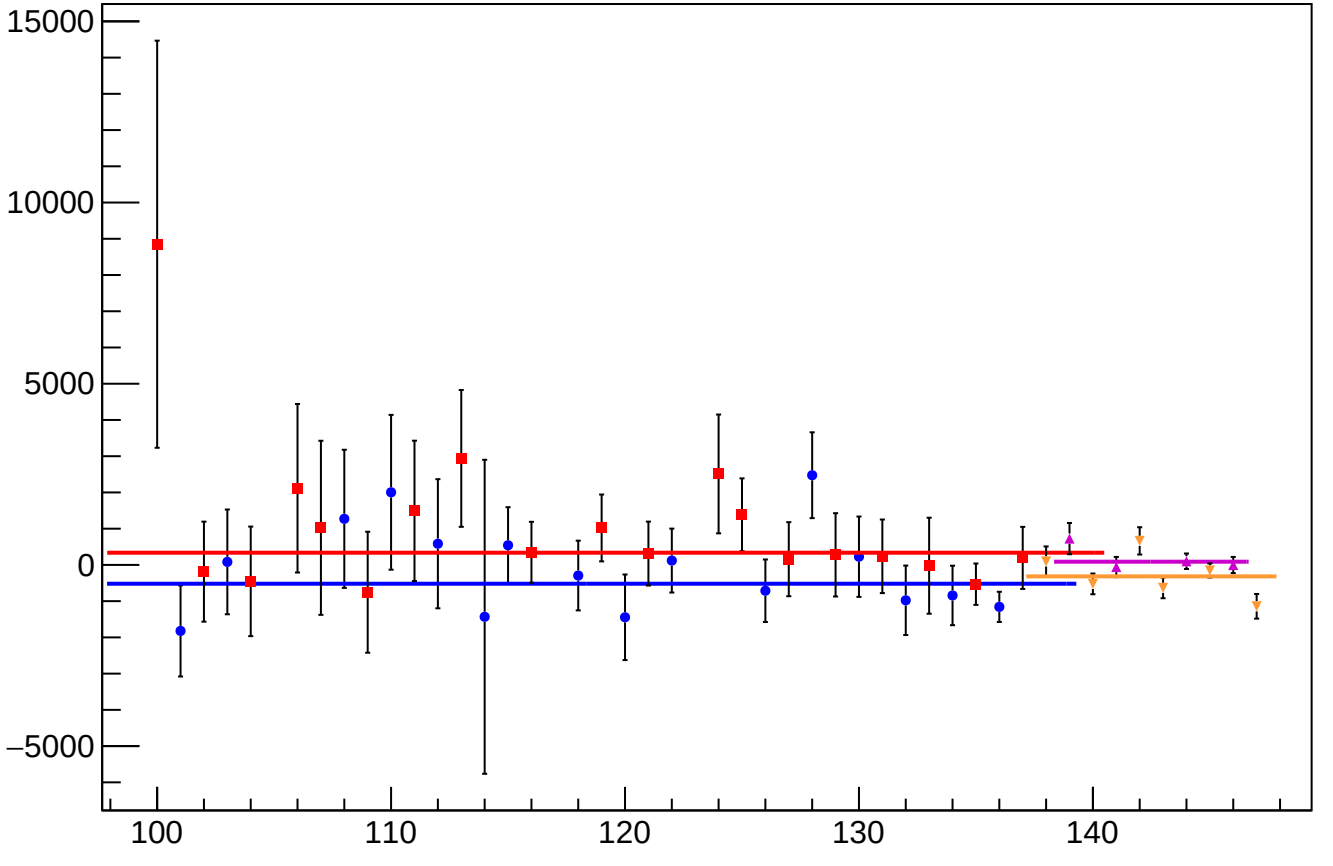
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 69.105+/-0.016 χ^2/NDF:1737193.4/19

Out: 69.412+/-0.015 χ^2/NDF:2137682.6/24

All: 69.265+/-0.011 χ^2/NDF: 3875074.0/44

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: -316.198+/-117.942 χ^2/NDF:16.1/5

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 88.508+/-128.965 χ^2/NDF:2.6/3

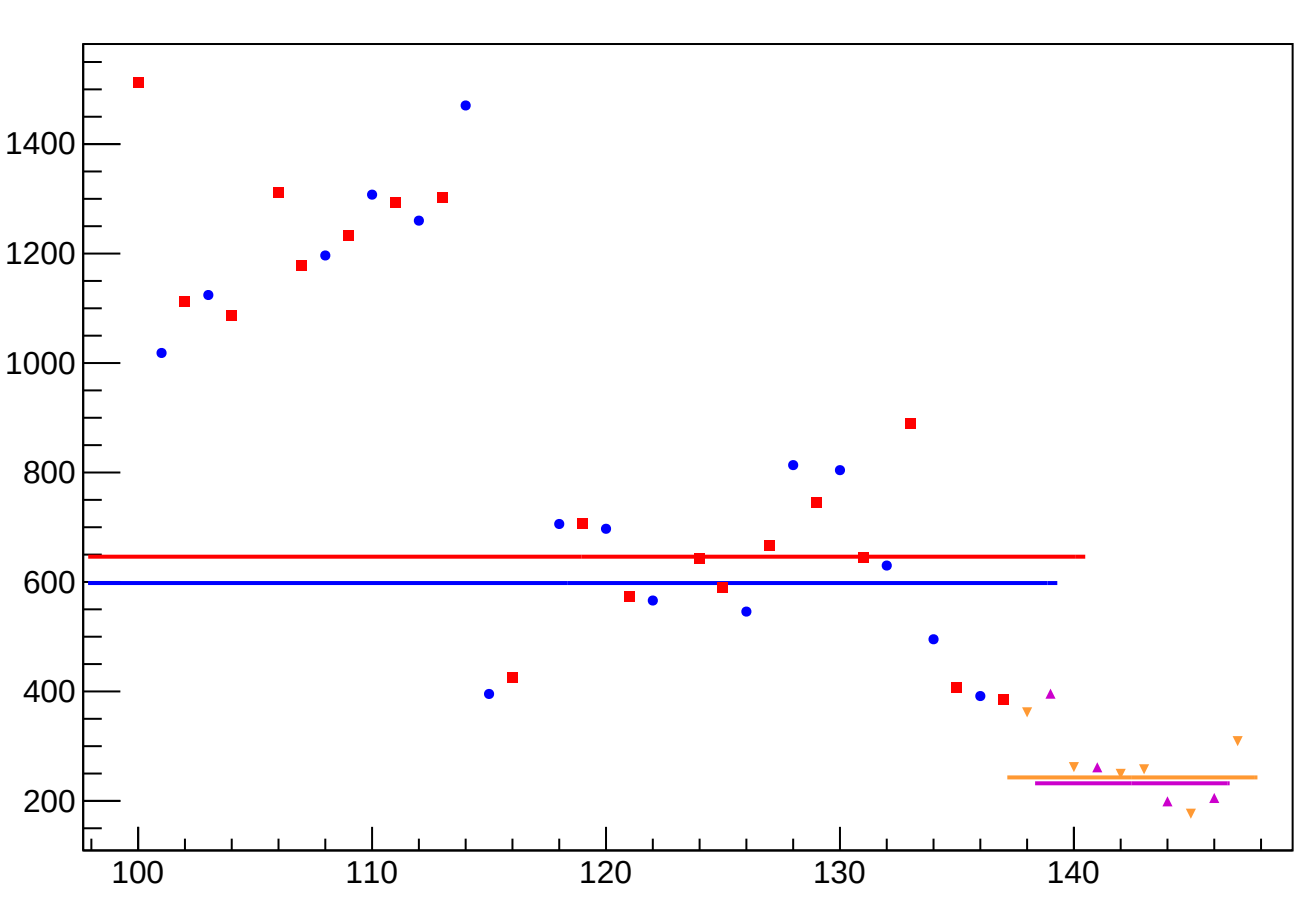
Left: -131.877+/-87.034 χ^2/NDF: 24.1/9

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -46.510+/-113.741 χ^2/NDF:23.4/19

Out: -202.331+/-107.165 χ^2/NDF:33.4/24

All: -129.055+/-77.998 χ^2/NDF: 57.7/44



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 242.922+/-0.083 χ^2/NDF:483758.7/5

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 232.162+/-0.091 χ^2/NDF:387041.4/3

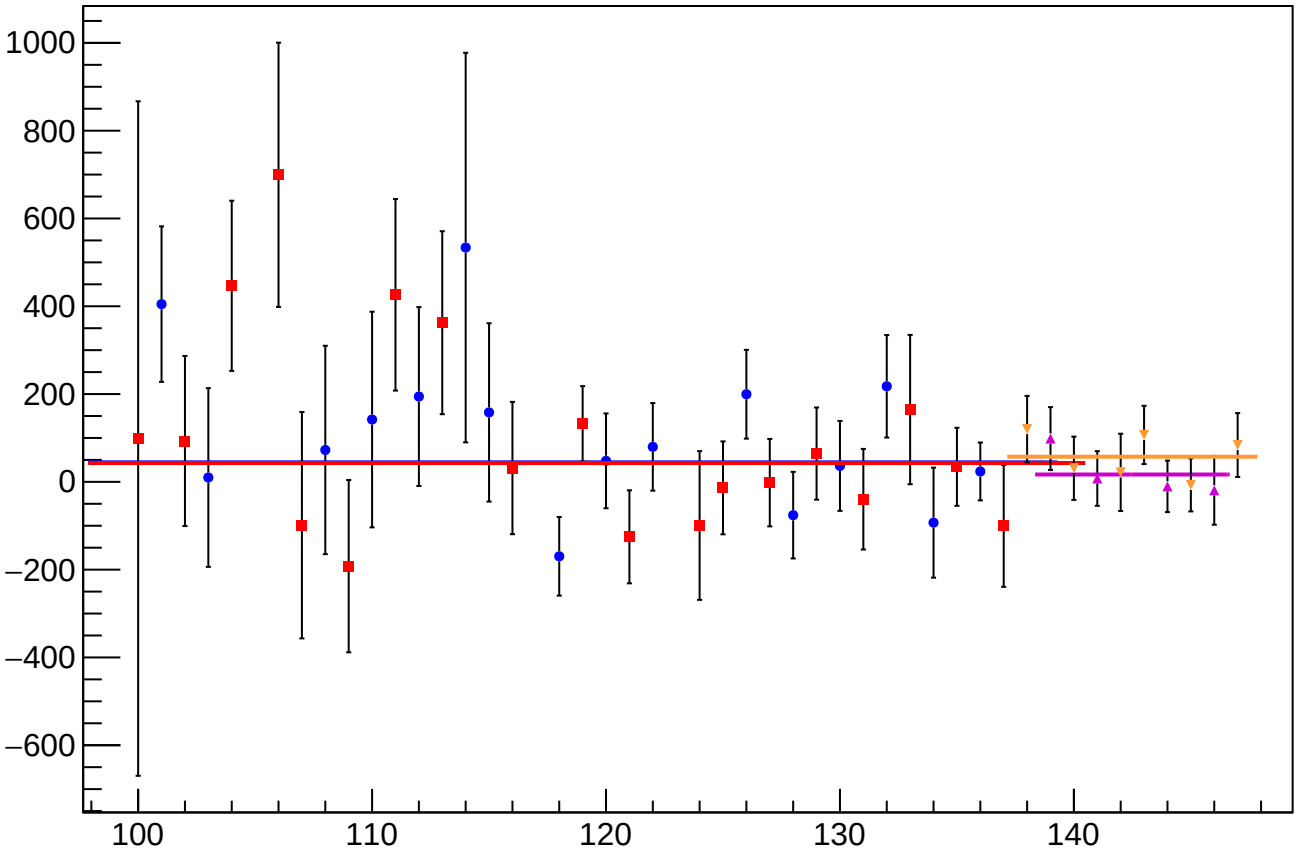
Left: 238.021+/-0.062 χ^2/NDF: 878380.3/9

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 313.446+/-0.080 χ^2/NDF:6011124.3/19

Out: 313.250+/-0.076 χ^2/NDF:6766915.9/24

All: 313.342+/-0.055 χ^2/NDF: 12778043.4/44



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 57.260+/-29.031 χ^2/NDF:2.8/5

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 16.731+/-33.221 χ^2/NDF:1.8/3

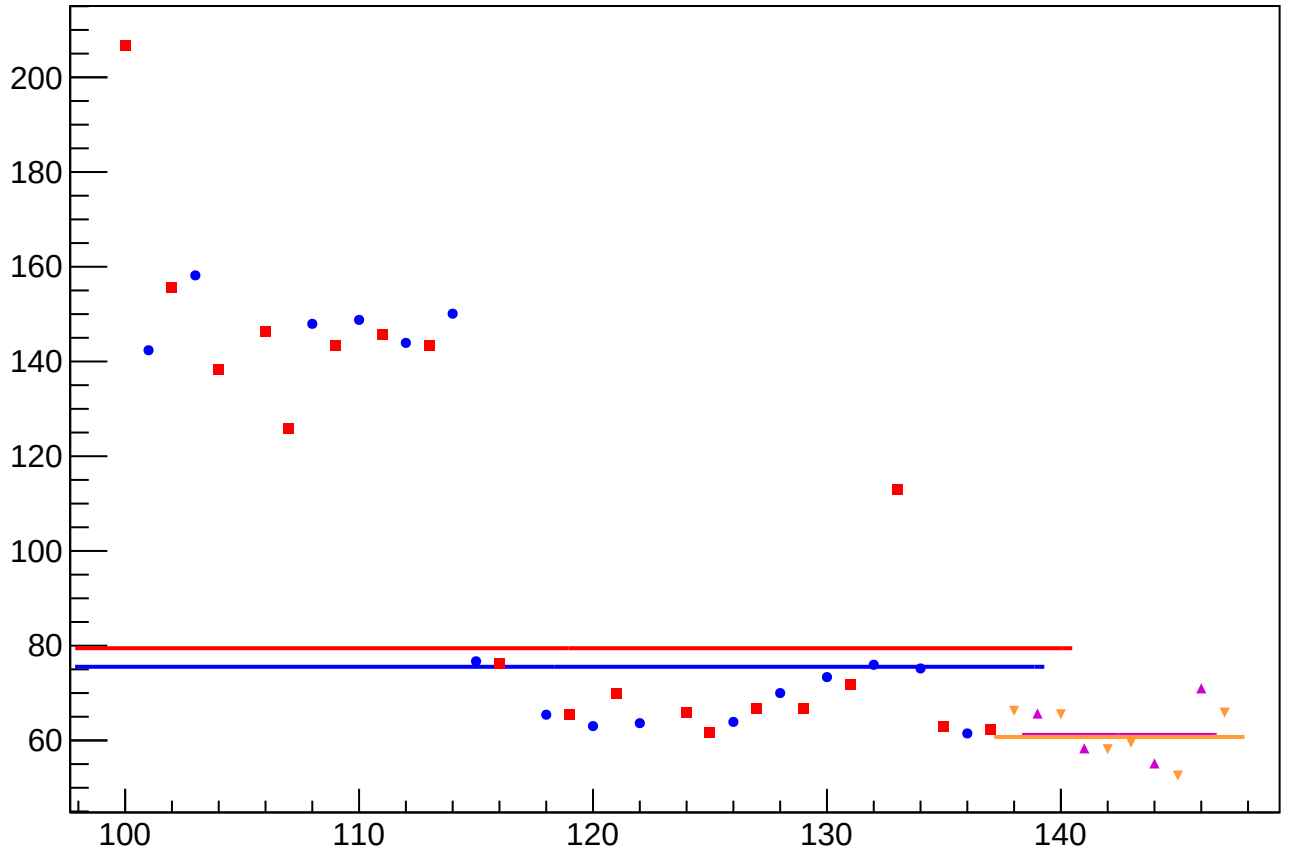
Left: 39.711+/-21.860 χ^2/NDF: 5.4/9

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 32.007+/-22.227 χ^2/NDF:21.8/19

Out: 50.608+/-21.269 χ^2/NDF:26.2/24

All: 41.717+/-15.367 χ^2/NDF: 48.3/44



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 60.734+/-0.021 χ^2/NDF:68307.5/5

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.162+/-0.023 χ^2/NDF:64579.8/3

Left: 60.919+/-0.015 χ^2/NDF: 133075.2/9

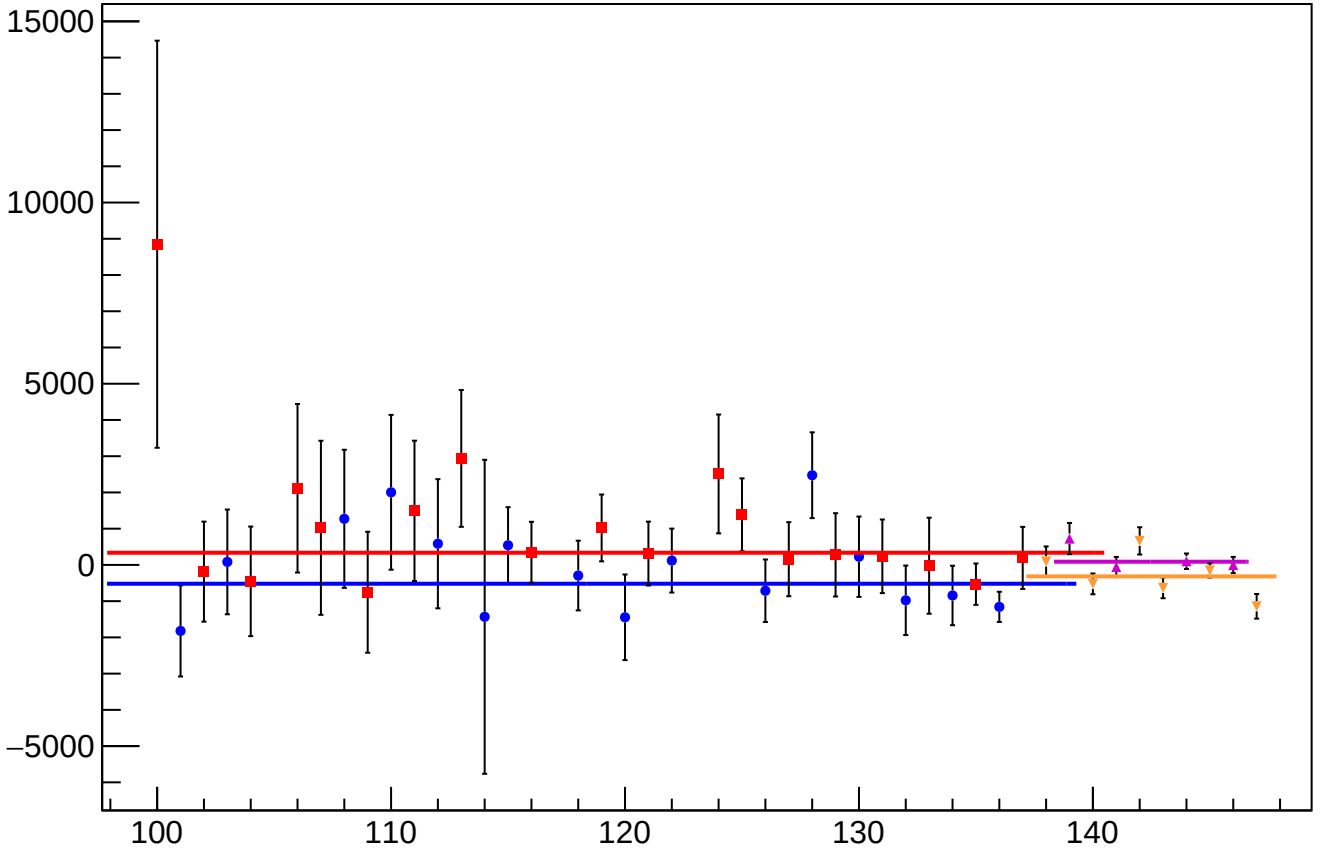
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 69.105+/-0.016 χ^2/NDF:1737162.3/19

Out: 69.412+/-0.015 χ^2/NDF:2137650.0/24

All: 69.265+/-0.011 χ^2/NDF: 3875010.3/44

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: -316.200+/-117.942 χ^2/NDF:16.1/5

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 88.508+/-128.965 χ^2/NDF:2.6/3

Left: -131.878+/-87.034 χ^2/NDF: 24.1/9

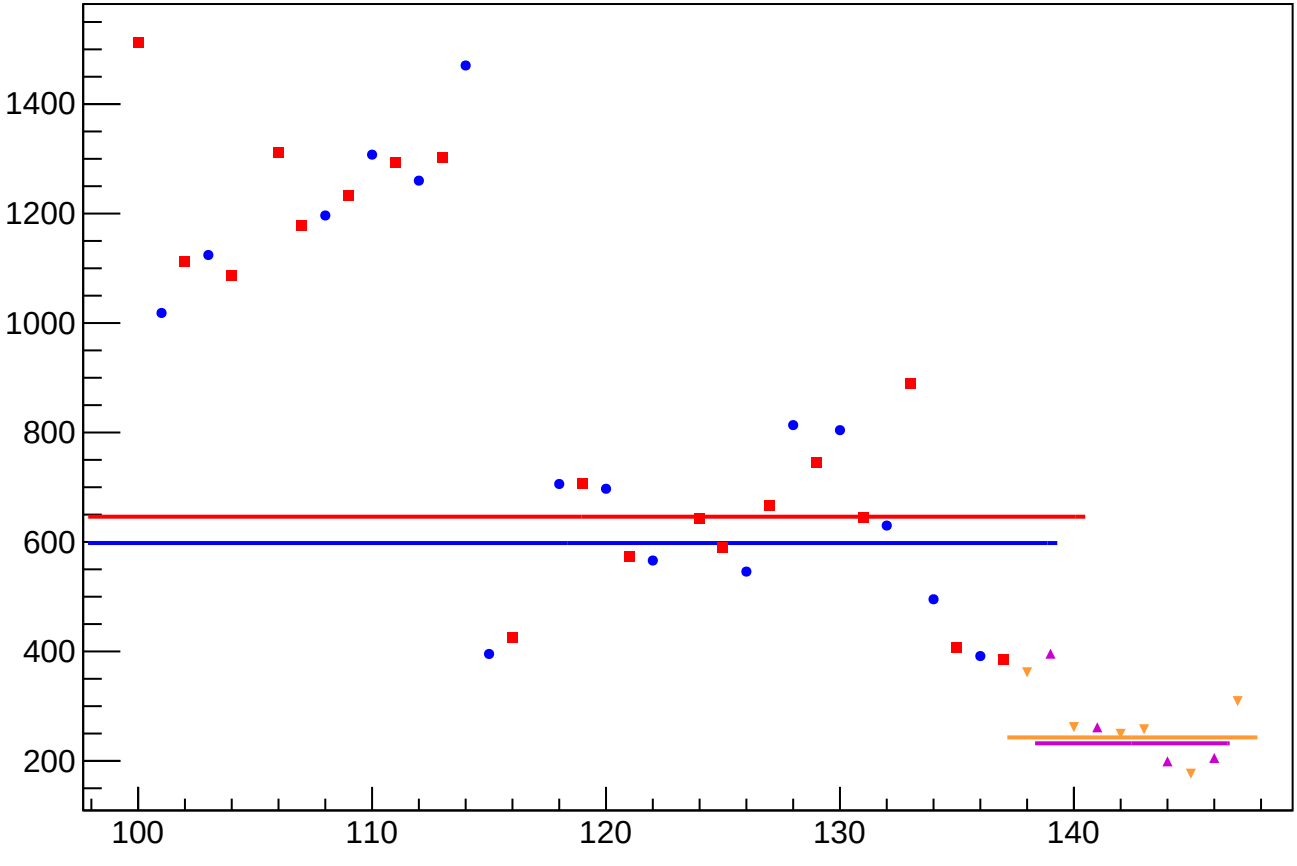
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -46.509+/-113.741 χ^2/NDF:23.4/19

Out: -202.332+/-107.165 χ^2/NDF:33.4/24

All: -129.055+/-77.998 χ^2/NDF: 57.7/44

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 242.921+/-0.083 χ^2/NDF:483759.6/5

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 232.162+/-0.091 χ^2/NDF:387037.5/3

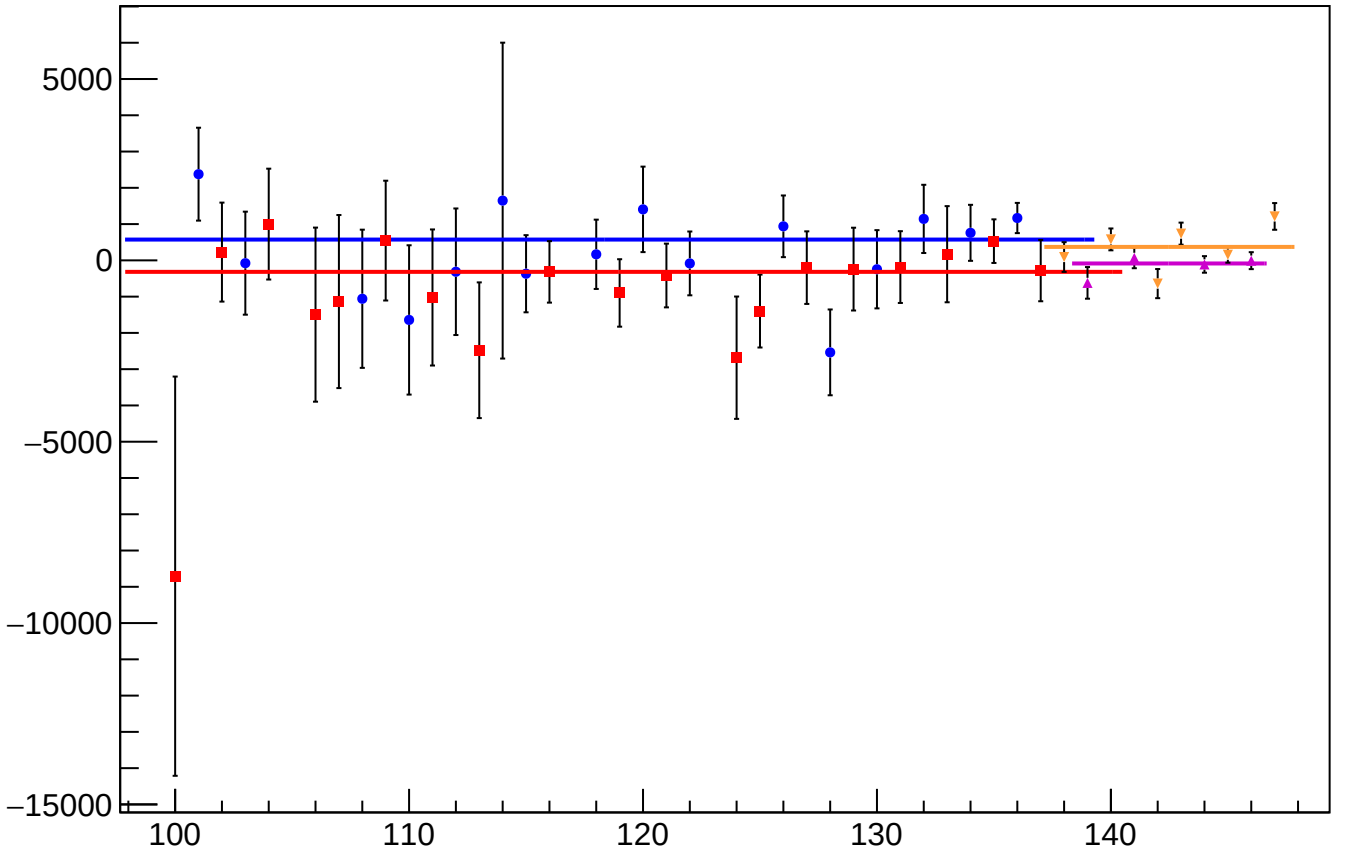
Left: 238.021+/-0.062 χ^2/NDF: 878377.0/9

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 313.445+/-0.080 χ^2/NDF:6011106.7/19

Out: 313.249+/-0.076 χ^2/NDF:6766915.2/24

All: 313.341+/-0.055 χ^2/NDF: 12778025.1/44



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 371.078+/-126.795 χ^2/NDF:14.9/5

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -85.718+/-134.911 χ^2/NDF:1.9/3

Left: 156.833+/-92.394 χ^2/NDF: 22.9/9

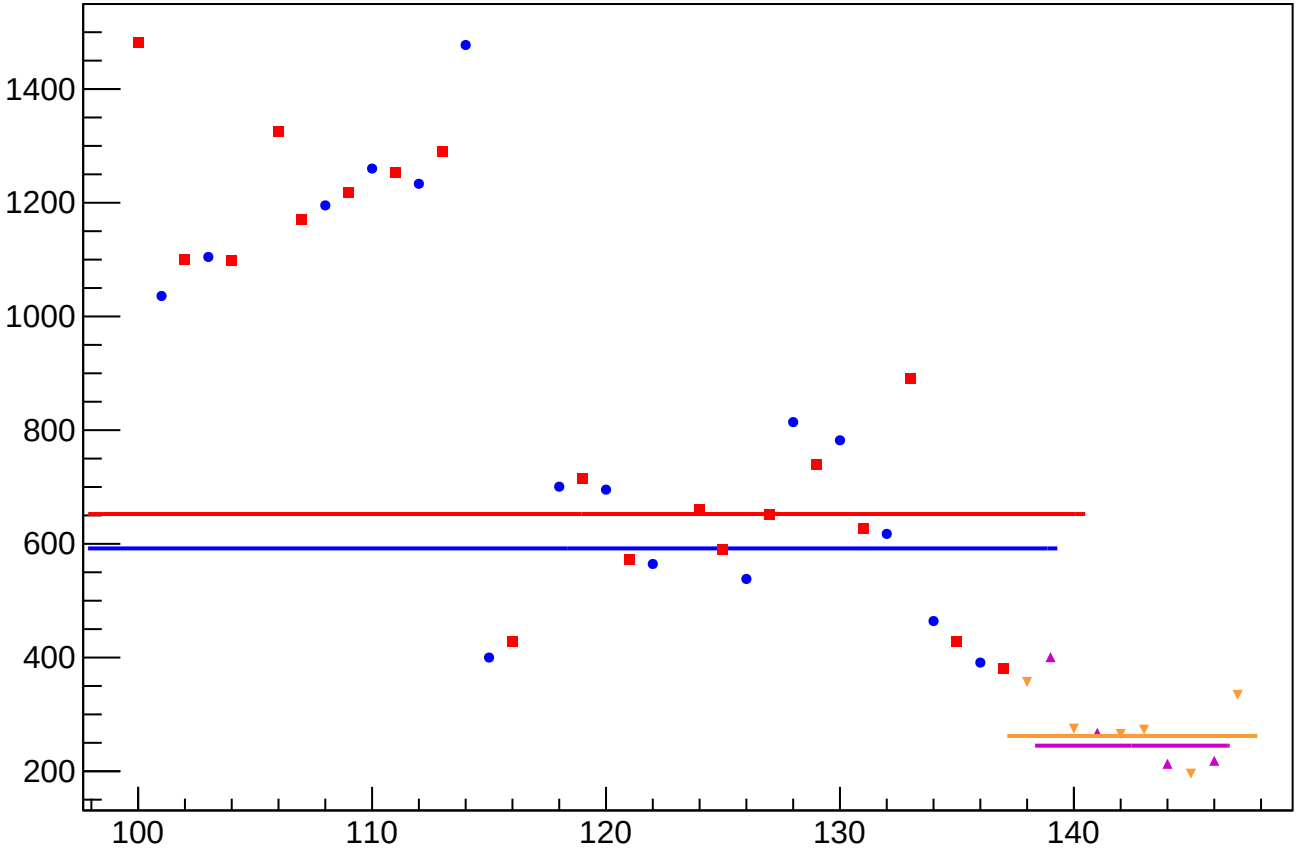
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 73.627+/-117.476 χ^2/NDF:24.3/19

Out: 237.451+/-113.816 χ^2/NDF:31.6/24

All: 158.131+/-81.743 χ^2/NDF: 56.9/44

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 262.000+/-0.090 χ^2/NDF:374396.7/5

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 245.010+/-0.095 χ^2/NDF:332218.9/3

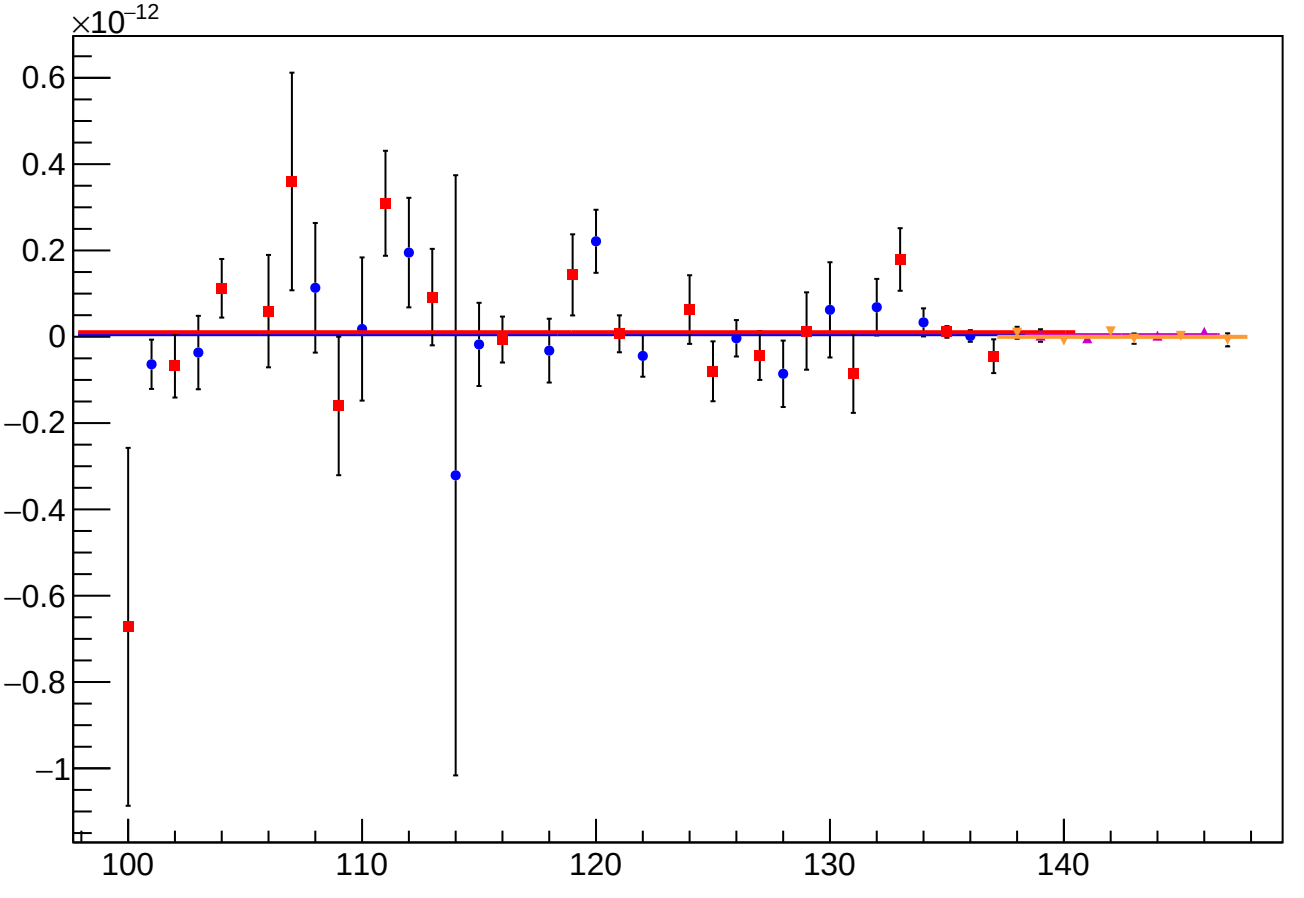
Left: 254.031+/-0.065 χ^2/NDF: 723457.3/9

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 328.894+/-0.083 χ^2/NDF:5566029.3/19

Out: 337.847+/-0.080 χ^2/NDF:6148537.7/24

All: 333.512+/-0.058 χ^2/NDF: 11720559.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

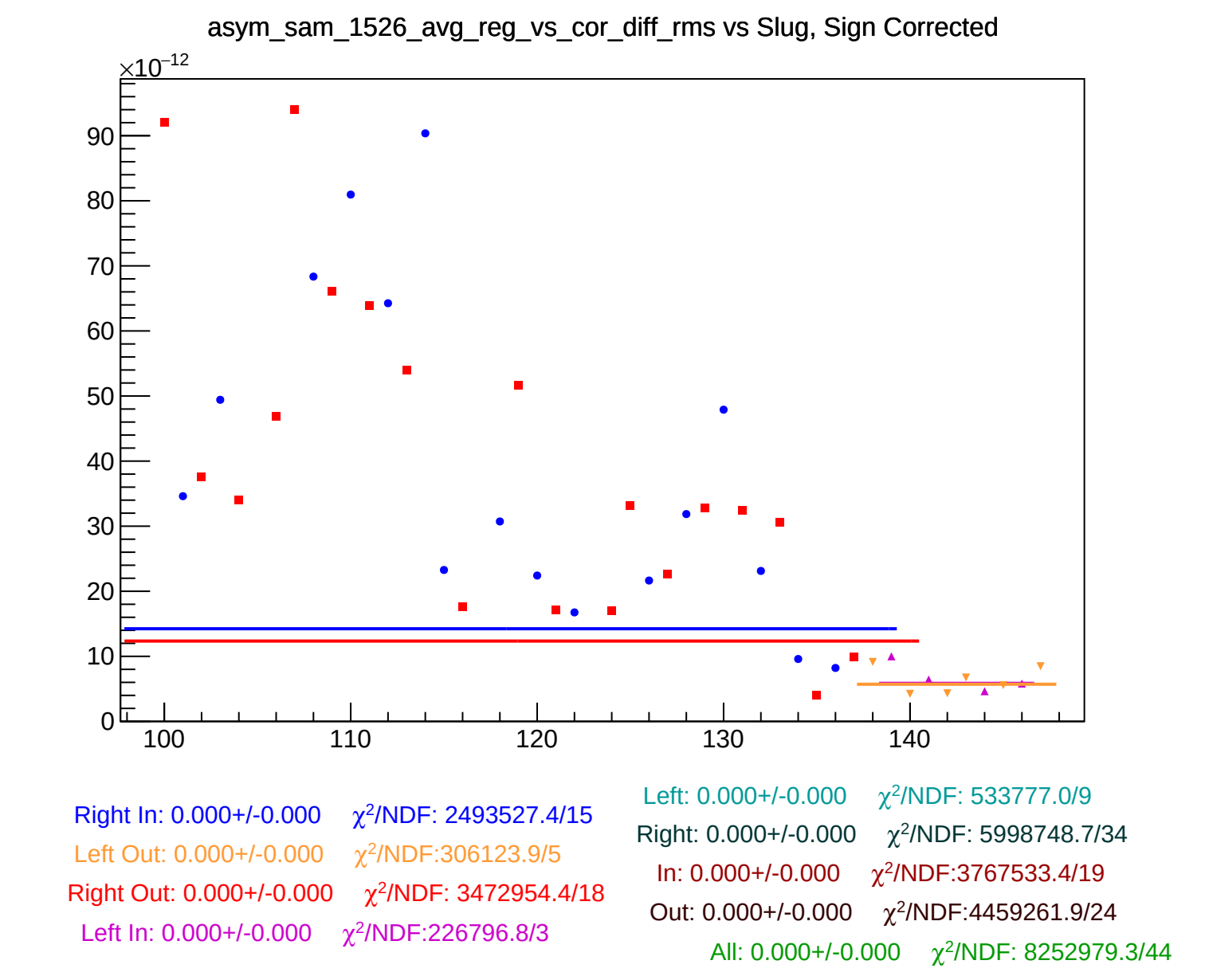
Left: 0.000+/-0.000 χ^2/NDF: 4.8/9

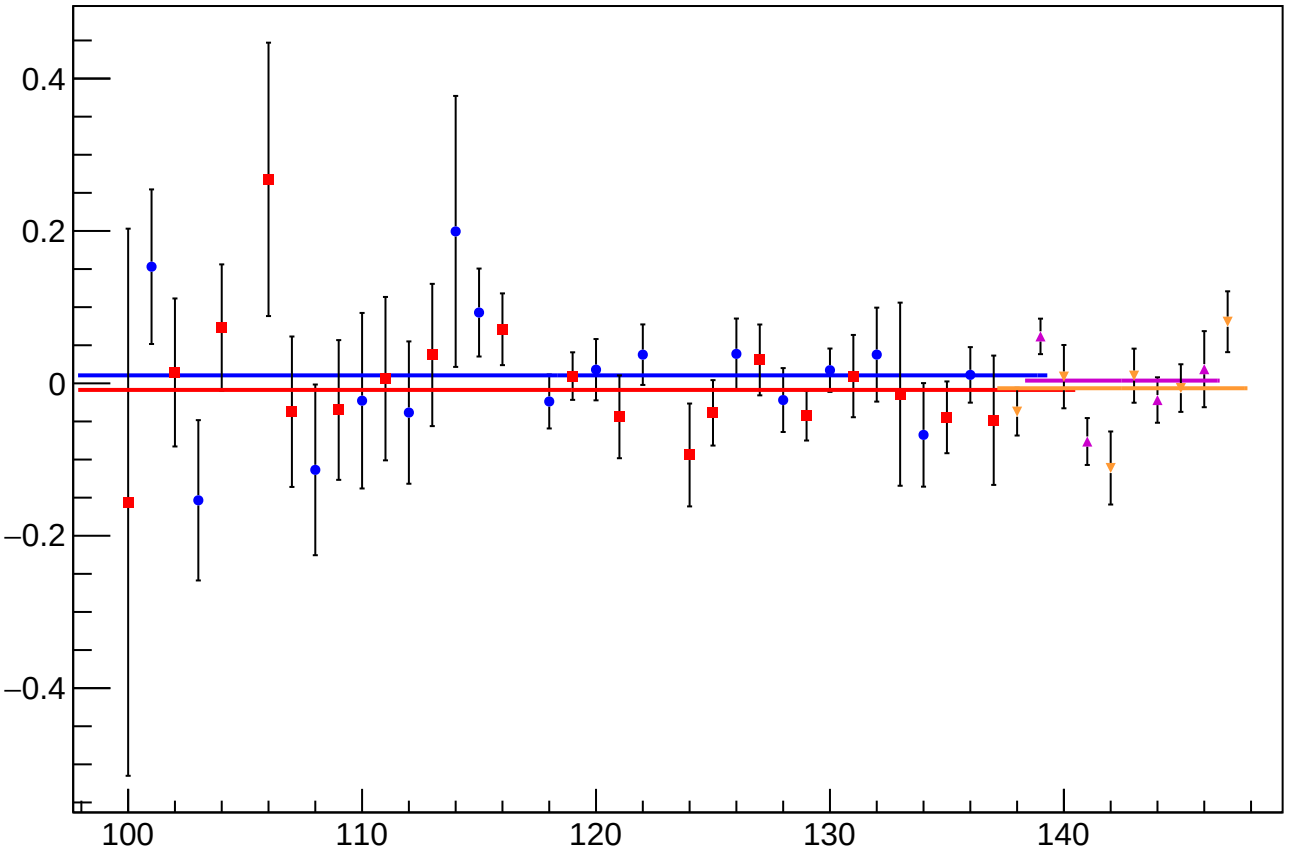
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:19.3/19

Out: 0.000+/-0.000 χ^2/NDF:33.8/24

All: 0.000+/-0.000 χ^2/NDF: 53.3/44


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:306123.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:226796.8/3
Left: 0.000+/-0.000 χ²/NDF: 533777.0/9
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:3767533.4/19
Out: 0.000+/-0.000 χ²/NDF:4459261.9/24
All: 0.000+/-0.000 χ²/NDF: 8252979.3/44



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.015 χ^2/NDF:13.8/3

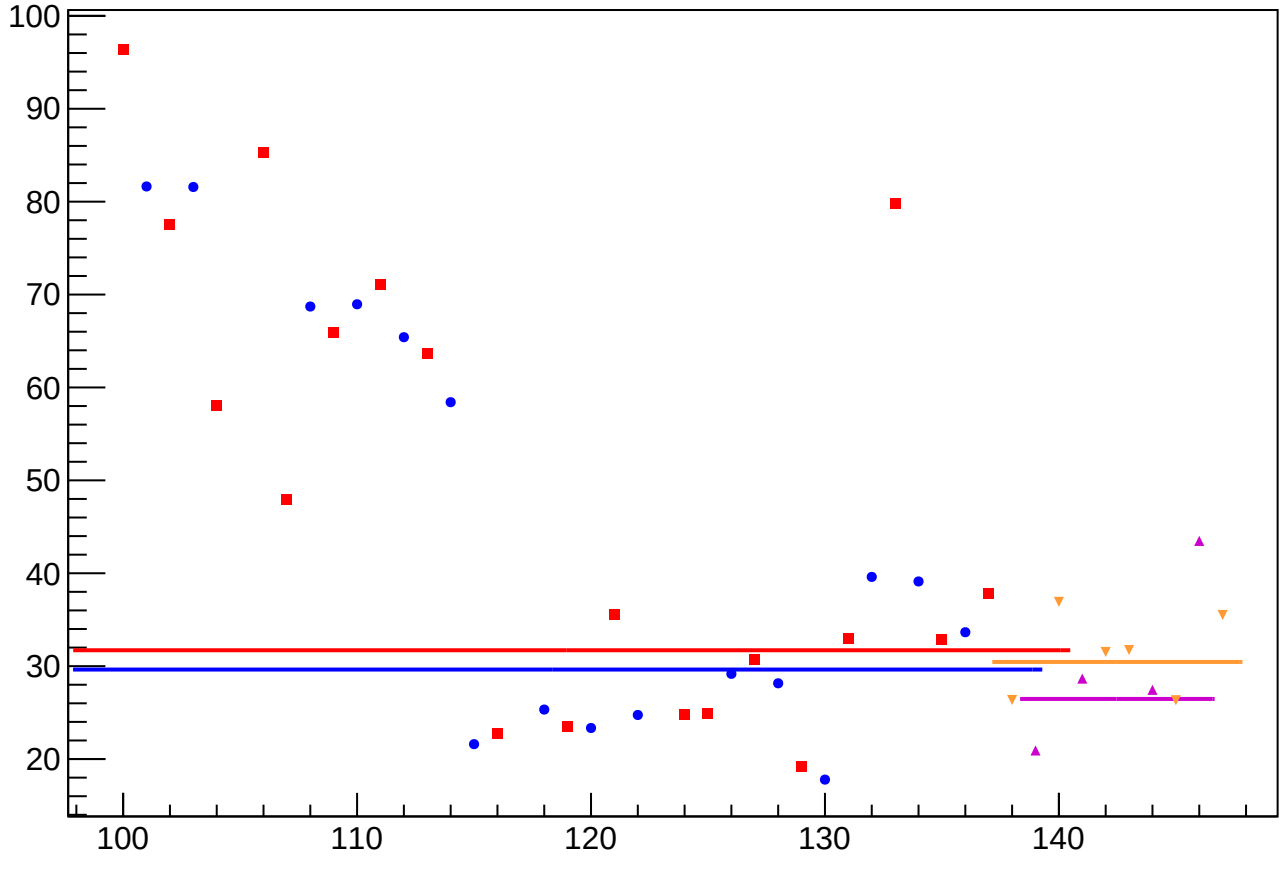
Left: -0.001+/-0.011 χ^2/NDF: 24.9/9

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.010 χ^2/NDF:27.0/19

Out: -0.008+/-0.010 χ^2/NDF:23.3/24

All: 0.000+/-0.007 χ^2/NDF: 51.6/44



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.454+/-0.011 χ^2/NDF:153155.6/5

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 26.472+/-0.011 χ^2/NDF:358008.5/3

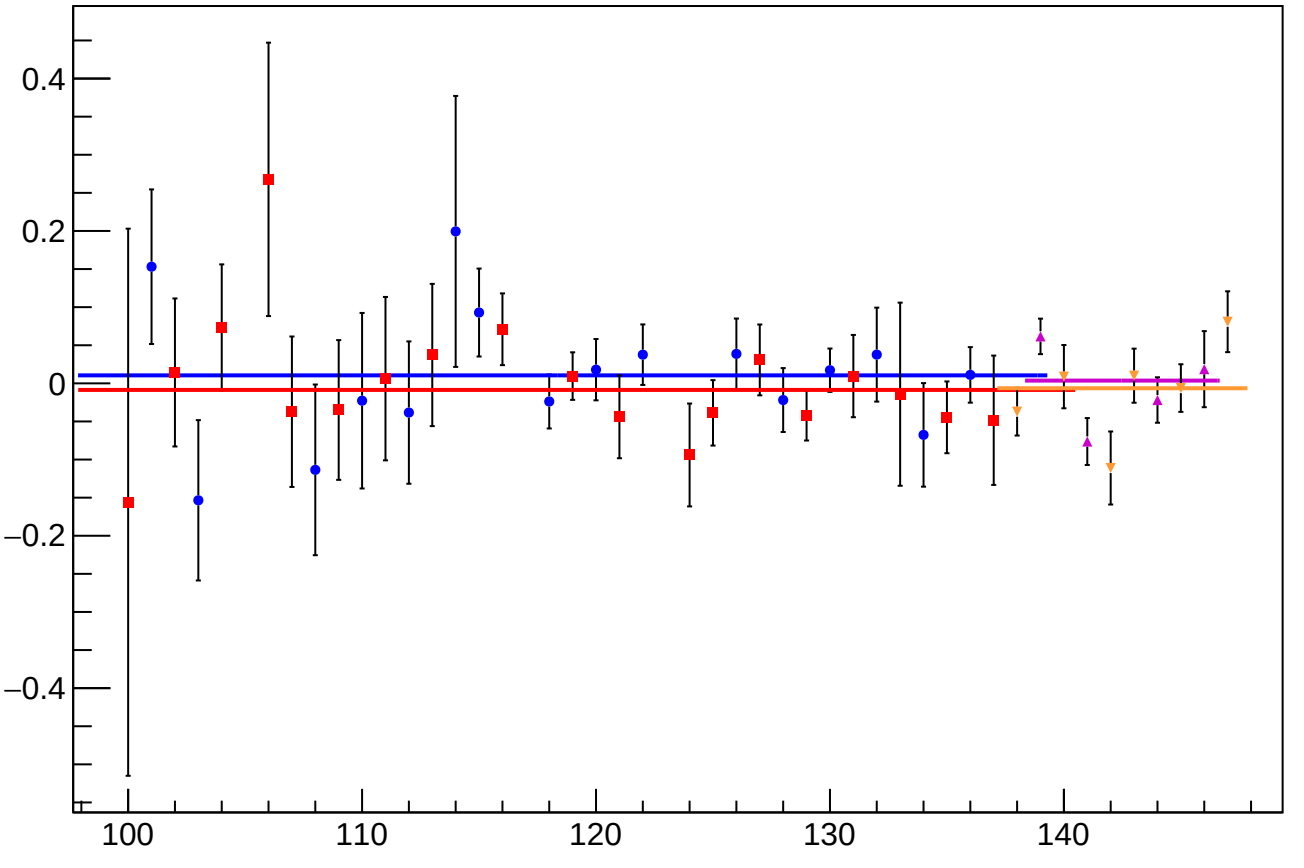
Left: 28.475+/-0.007 χ^2/NDF: 581774.1/9

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.335+/-0.007 χ^2/NDF:2858621.5/19

Out: 31.159+/-0.007 χ^2/NDF:2812571.1/24

All: 29.707+/-0.005 χ^2/NDF: 5754684.6/44



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.015 χ^2/NDF:13.8/3

Left: -0.001+/-0.011 χ^2/NDF: 24.9/9

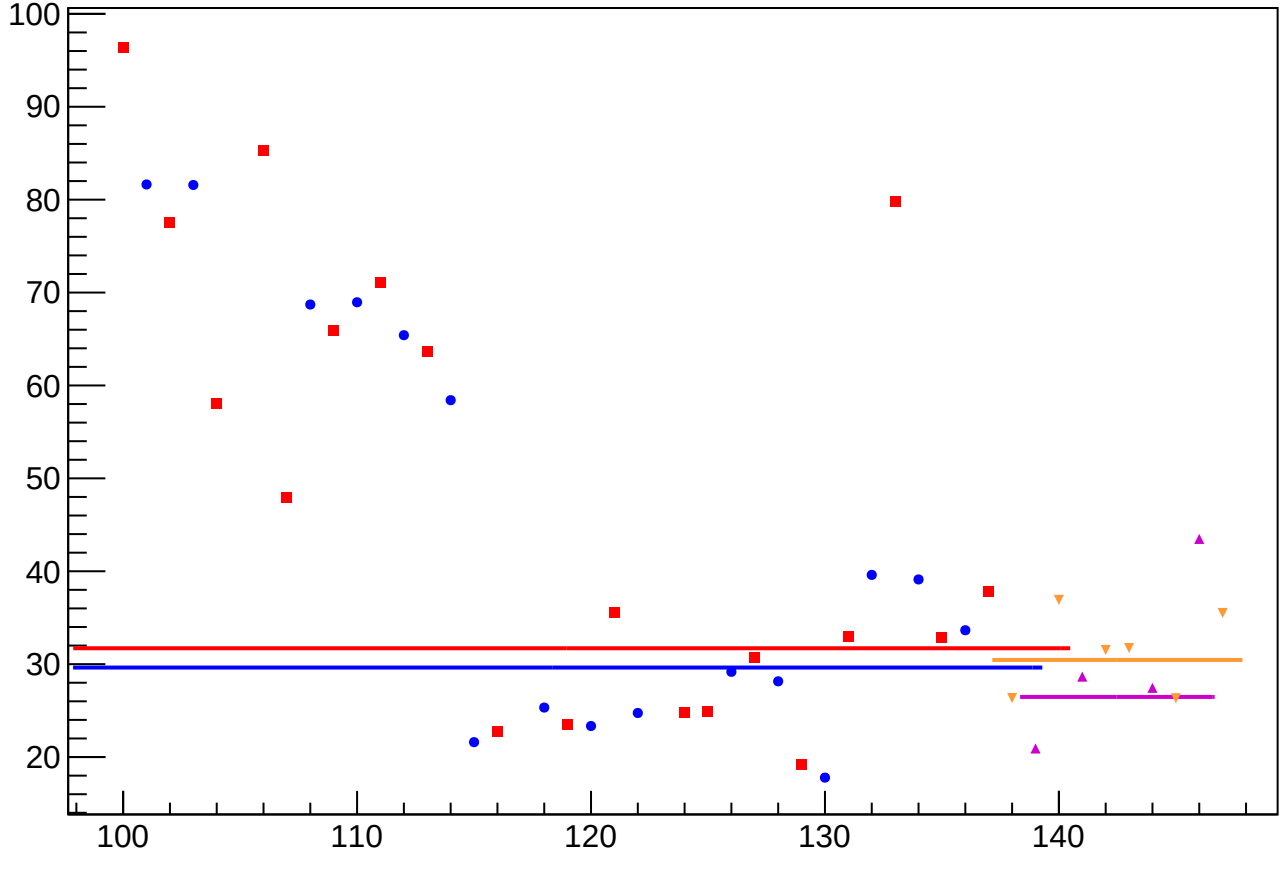
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.010 χ^2/NDF:27.0/19

Out: -0.008+/-0.010 χ^2/NDF:23.3/24

All: 0.000+/-0.007 χ^2/NDF: 51.6/44

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.454+/-0.011 χ^2/NDF:153155.6/5

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 26.472+/-0.011 χ^2/NDF:358008.5/3

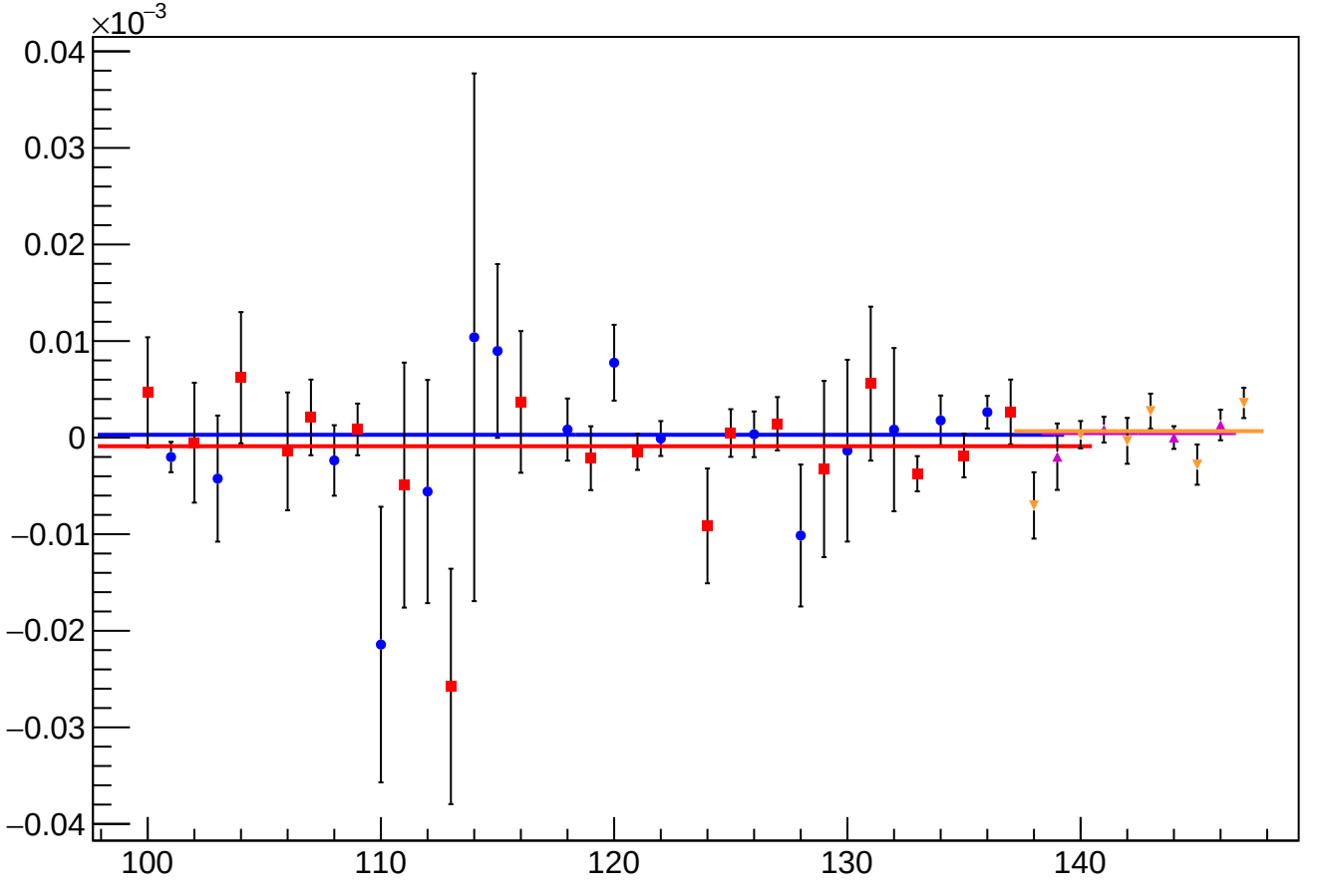
Left: 28.475+/-0.007 χ^2/NDF: 581774.1/9

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.335+/-0.007 χ^2/NDF:2858621.5/19

Out: 31.159+/-0.007 χ^2/NDF:2812571.1/24

All: 29.707+/-0.005 χ^2/NDF: 5754684.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

Left: 0.000+/-0.000 χ^2/NDF: 13.8/9

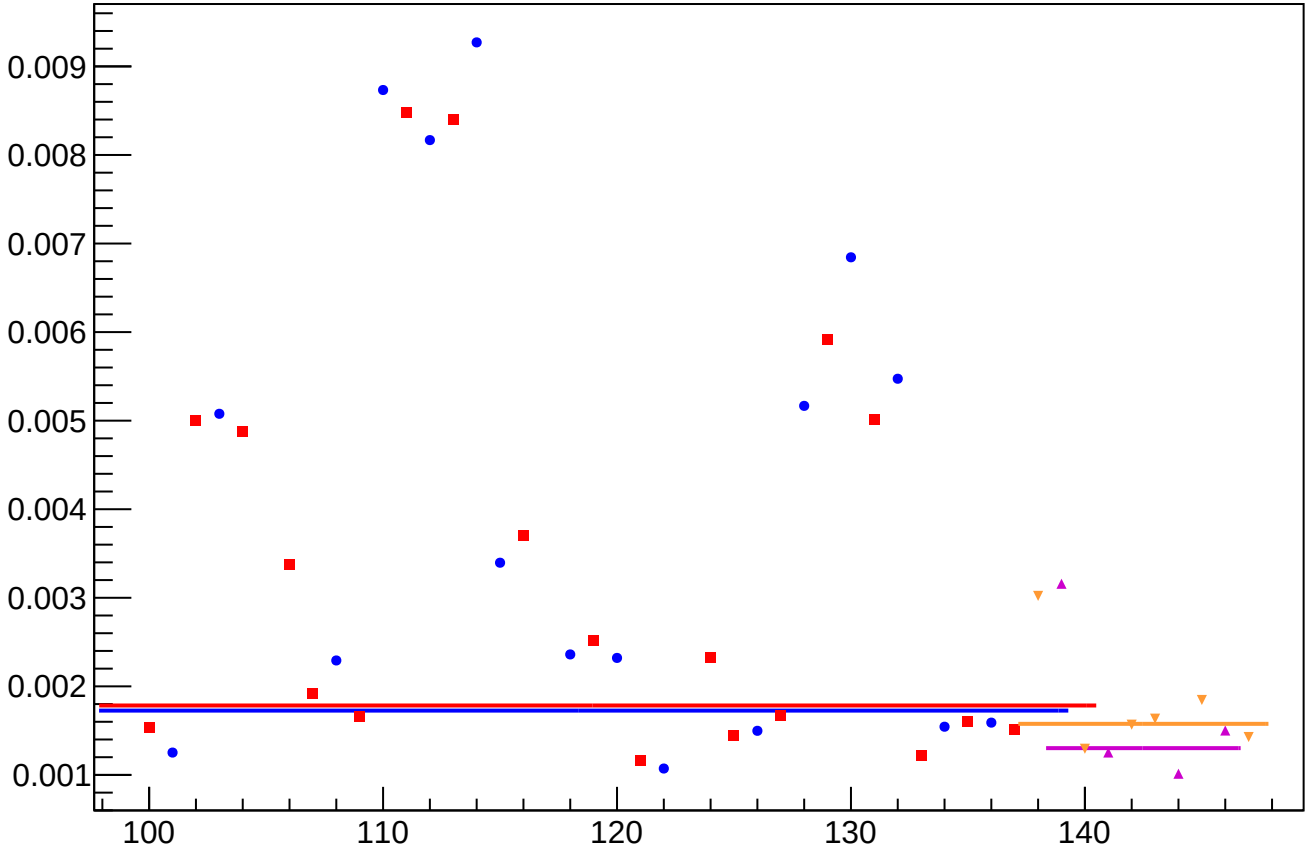
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:15.8/19

Out: -0.000+/-0.000 χ^2/NDF:30.2/24

All: 0.000+/-0.000 χ^2/NDF: 46.4/44

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:485974.5/5

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:737681.8/3

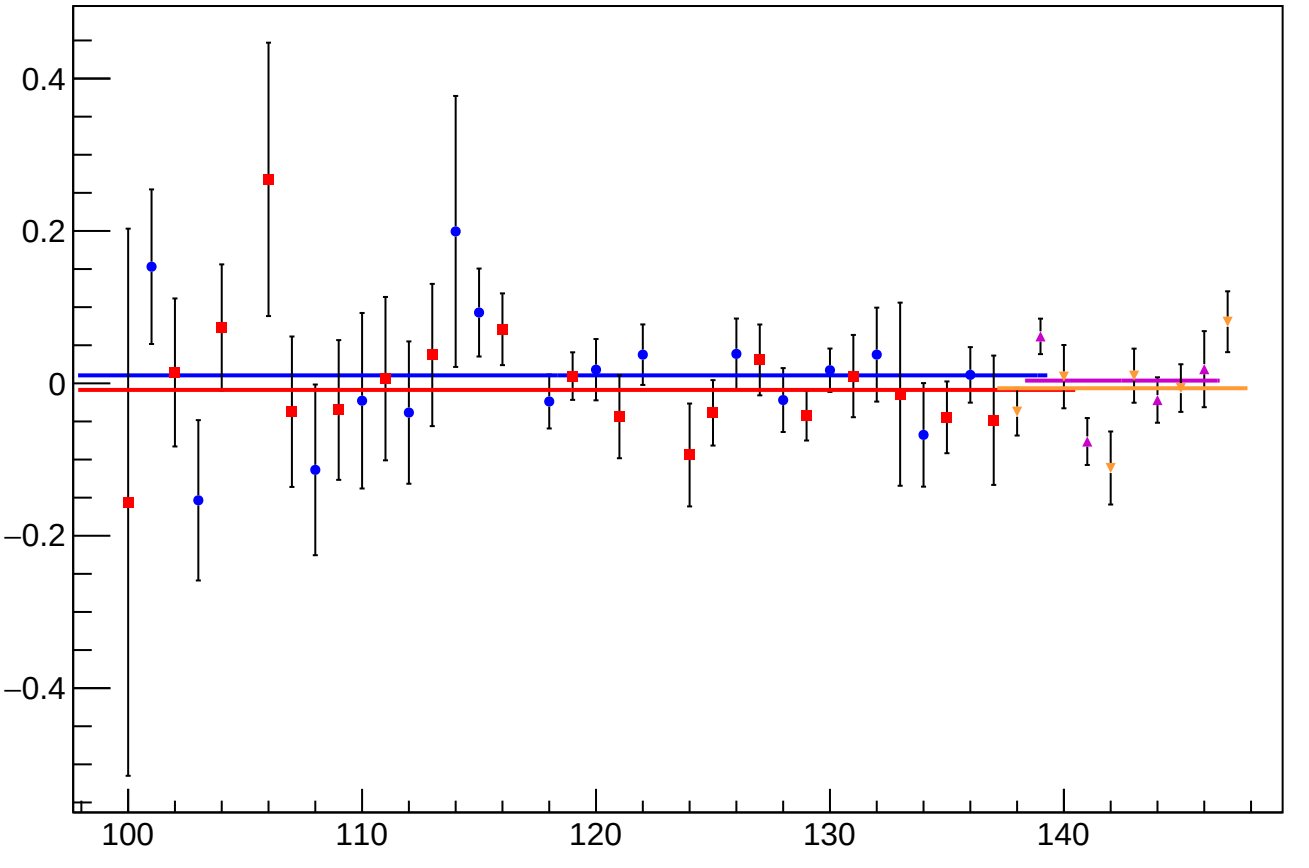
Left: 0.001+/-0.000 χ^2/NDF: 1354066.4/9

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:4983345.0/19

Out: 0.002+/-0.000 χ^2/NDF:4276876.5/24

All: 0.002+/-0.000 χ^2/NDF: 9356213.2/44



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.015 χ^2/NDF:13.8/3

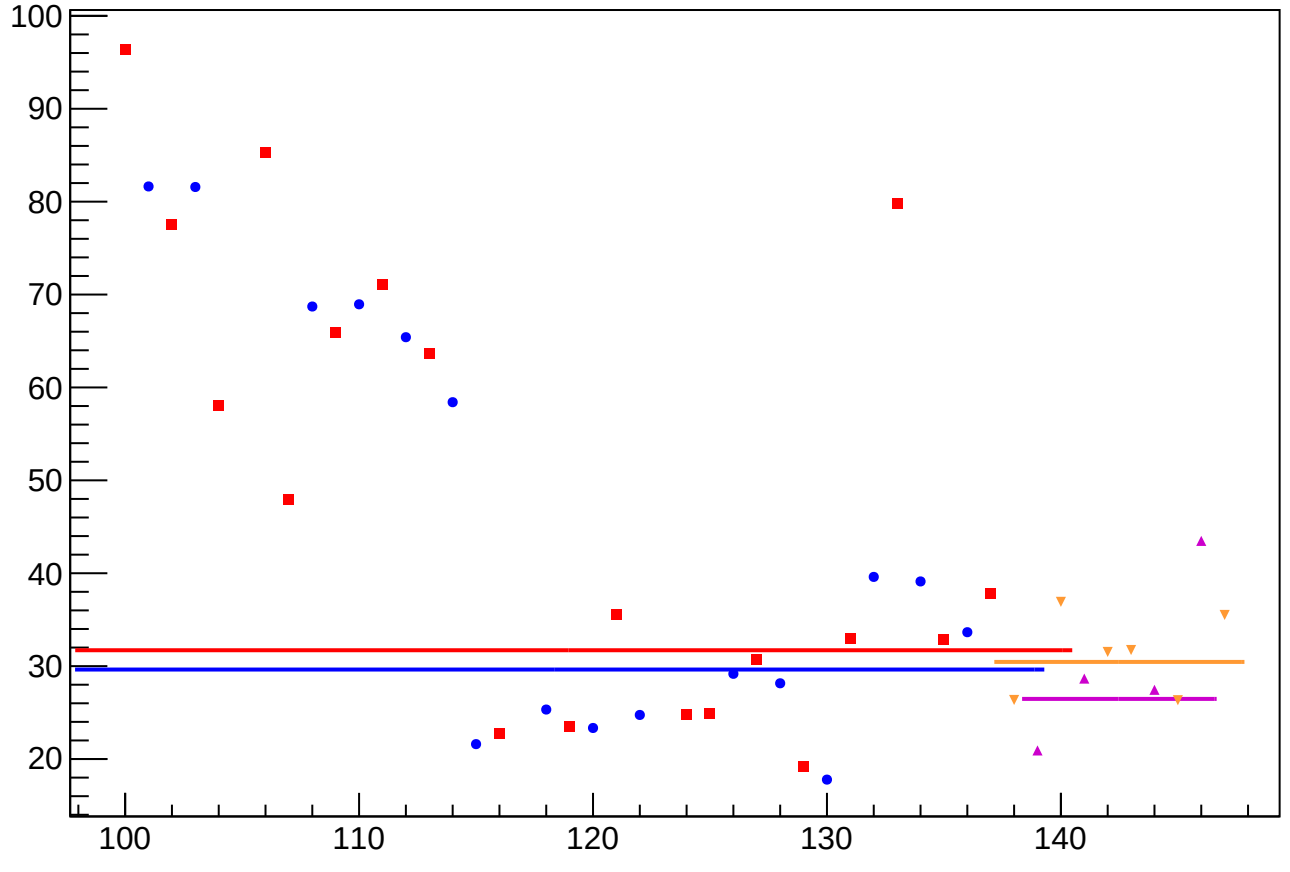
Left: -0.001+/-0.011 χ^2/NDF: 24.9/9

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.010 χ^2/NDF:27.0/19

Out: -0.008+/-0.010 χ^2/NDF:23.3/24

All: 0.000+/-0.007 χ^2/NDF: 51.6/44



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.454+/-0.011 χ^2/NDF:153149.9/5

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 26.473+/-0.011 χ^2/NDF:358003.5/3

Left: 28.475+/-0.007 χ^2/NDF: 581761.5/9

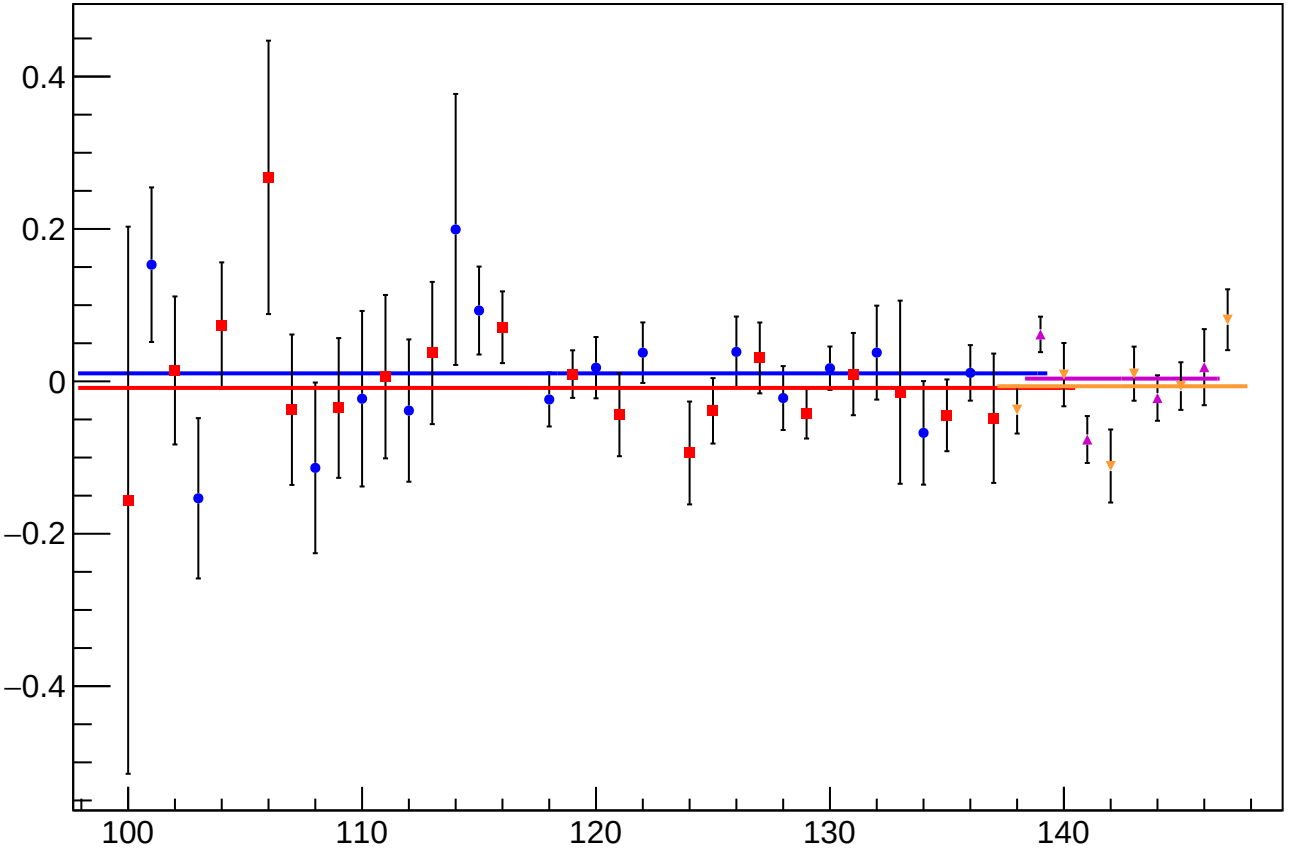
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.334+/-0.007 χ^2/NDF:2858763.5/19

Out: 31.158+/-0.007 χ^2/NDF:2812711.8/24

All: 29.707+/-0.005 χ^2/NDF: 5754968.8/44

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: -0.006+/-0.015 χ^2/NDF:10.9/5

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.015 χ^2/NDF:13.8/3

Left: -0.001+/-0.011 χ^2/NDF: 24.9/9

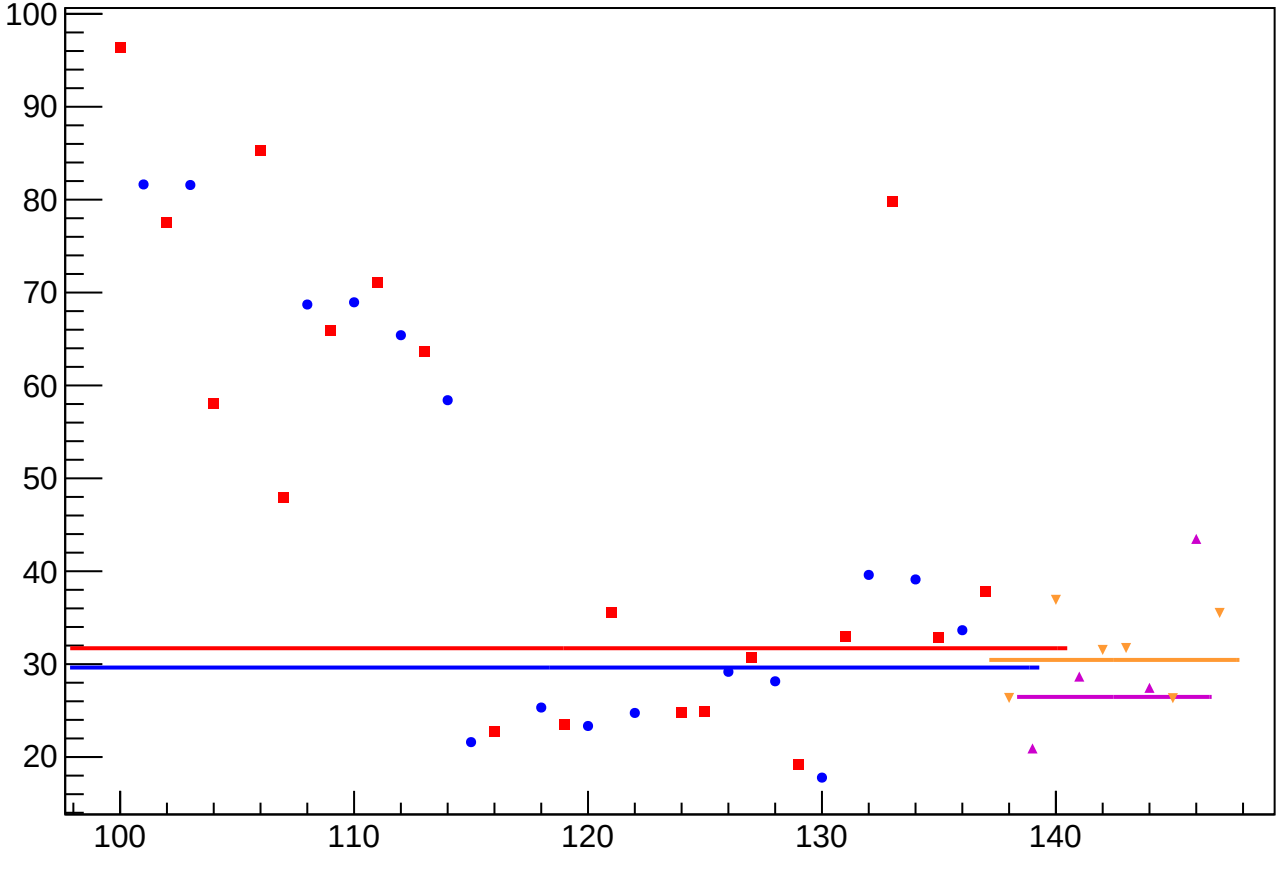
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.008+/-0.010 χ^2/NDF:27.0/19

Out: -0.008+/-0.010 χ^2/NDF:23.3/24

All: 0.000+/-0.007 χ^2/NDF: 51.6/44

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: 30.454+/-0.011 χ^2/NDF:153149.9/5

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 26.473+/-0.011 χ^2/NDF:358003.5/3

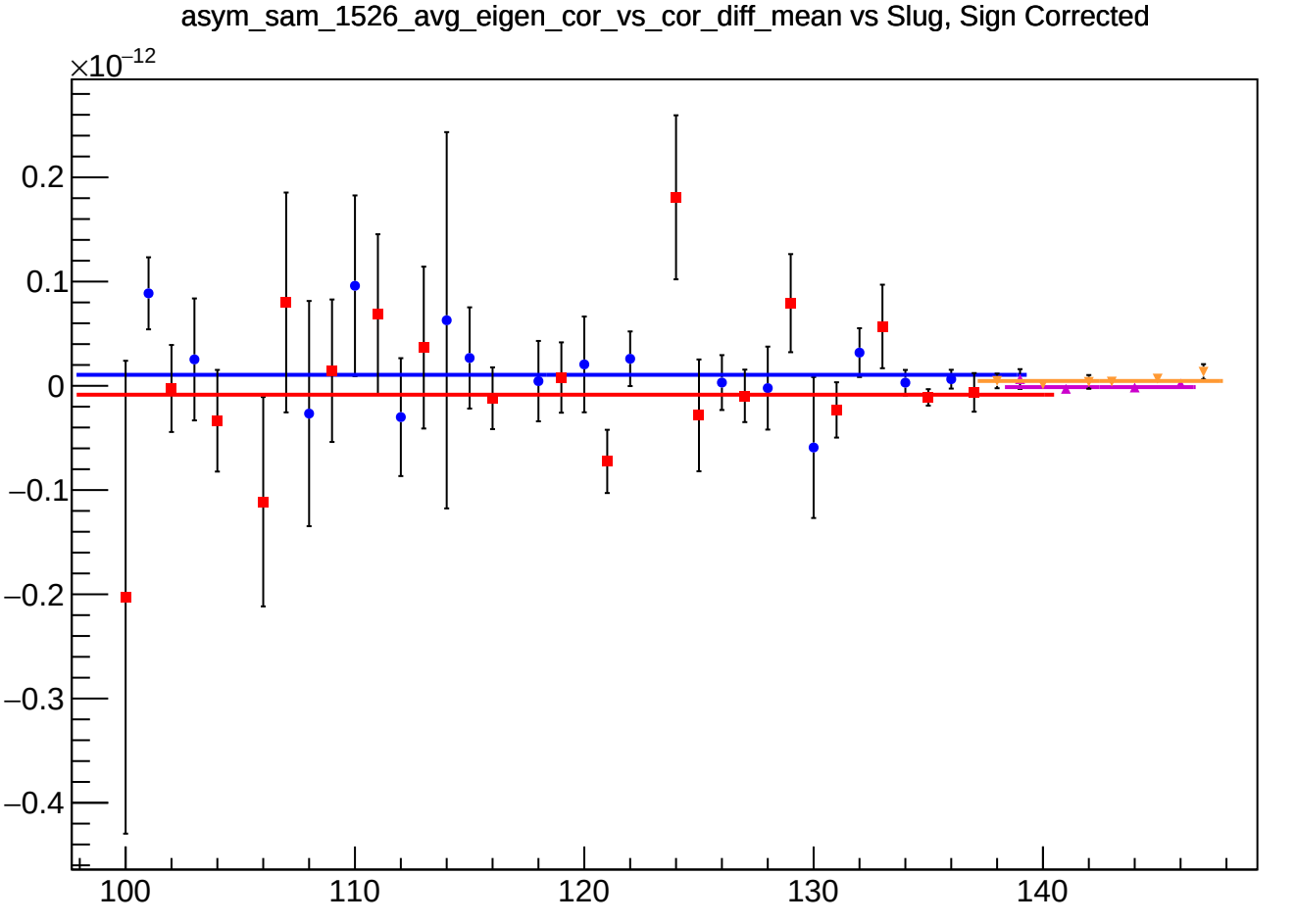
Left: 28.475+/-0.007 χ^2/NDF: 581761.5/9

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

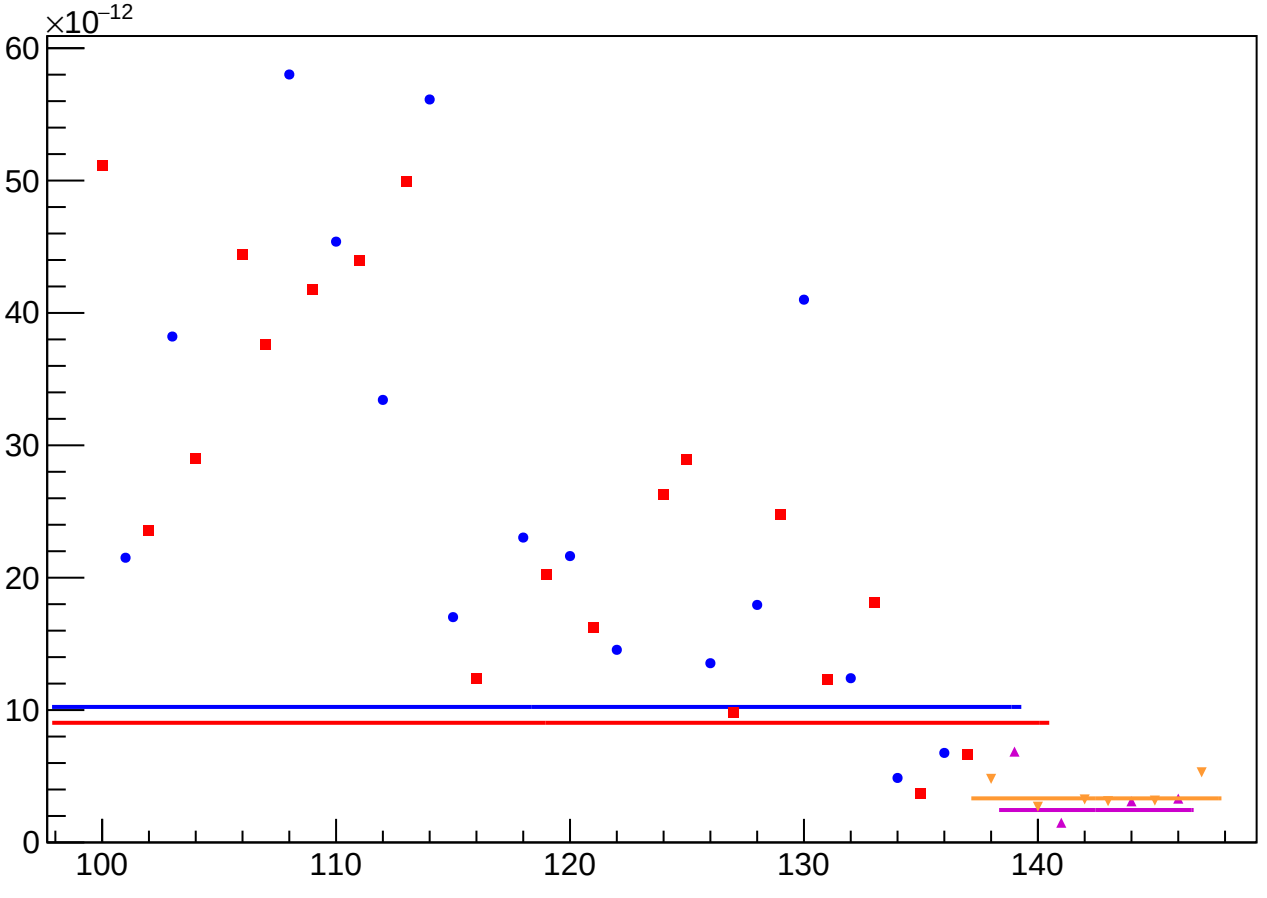
In: 28.334+/-0.007 χ^2/NDF:2858763.5/19

Out: 31.158+/-0.007 χ^2/NDF:2812711.8/24

All: 29.707+/-0.005 χ^2/NDF: 5754968.8/44


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
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:2.5/5
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:1.6/3
Left: 0.000+/-0.000 χ²/NDF: 8.4/9
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: -0.000+/-0.000 χ²/NDF:15.1/19
Out: 0.000+/-0.000 χ²/NDF:28.4/24
All: 0.000+/-0.000 χ²/NDF: 45.0/44

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:296841.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:812433.2/3

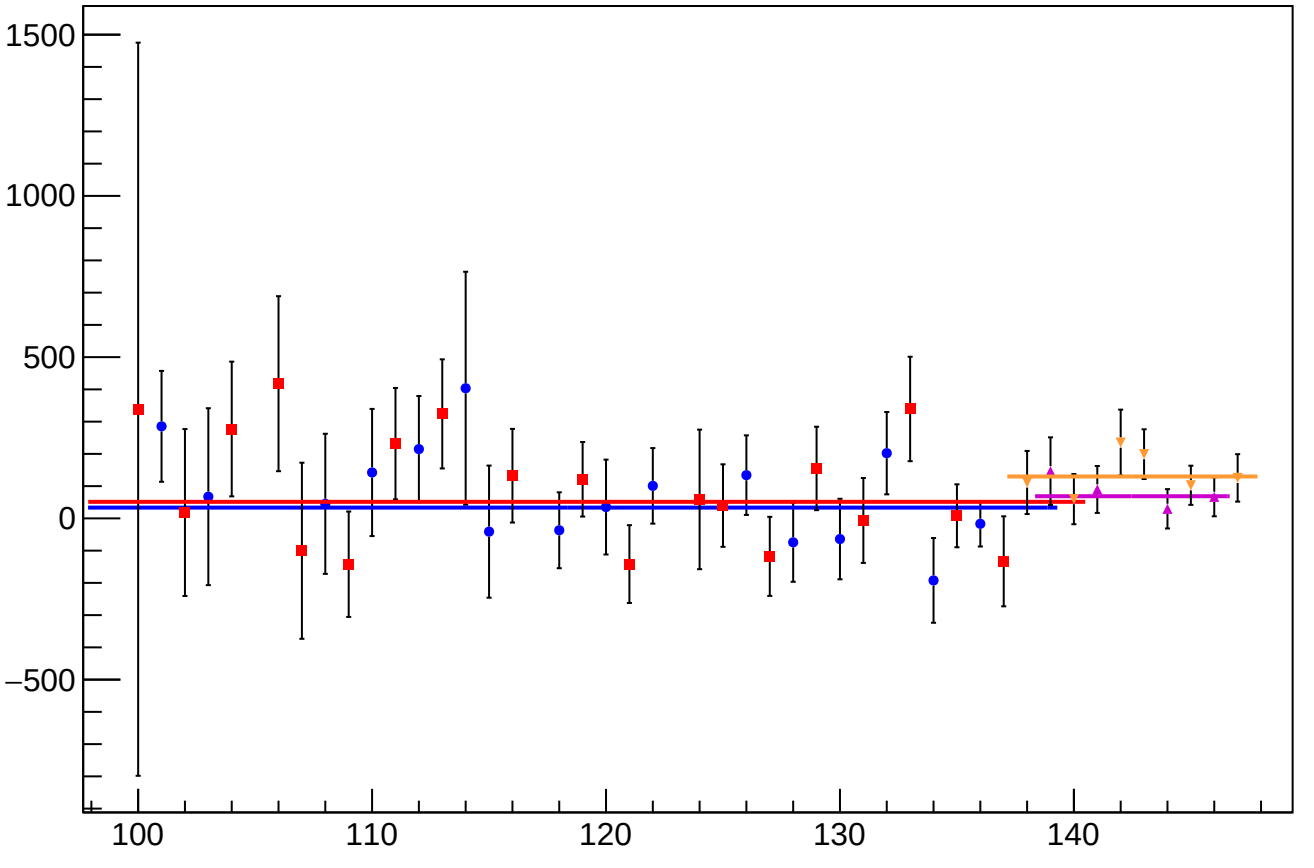
Left: 0.000+/-0.000 χ^2/NDF: 1301358.0/9

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7370157.7/19

Out: 0.000+/-0.000 χ^2/NDF:6469479.0/24

All: 0.000+/-0.000 χ^2/NDF: 13990279.9/44



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 129.919+/-31.795 χ^2/NDF:2.9/5

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 68.696+/-34.868 χ^2/NDF:1.0/3

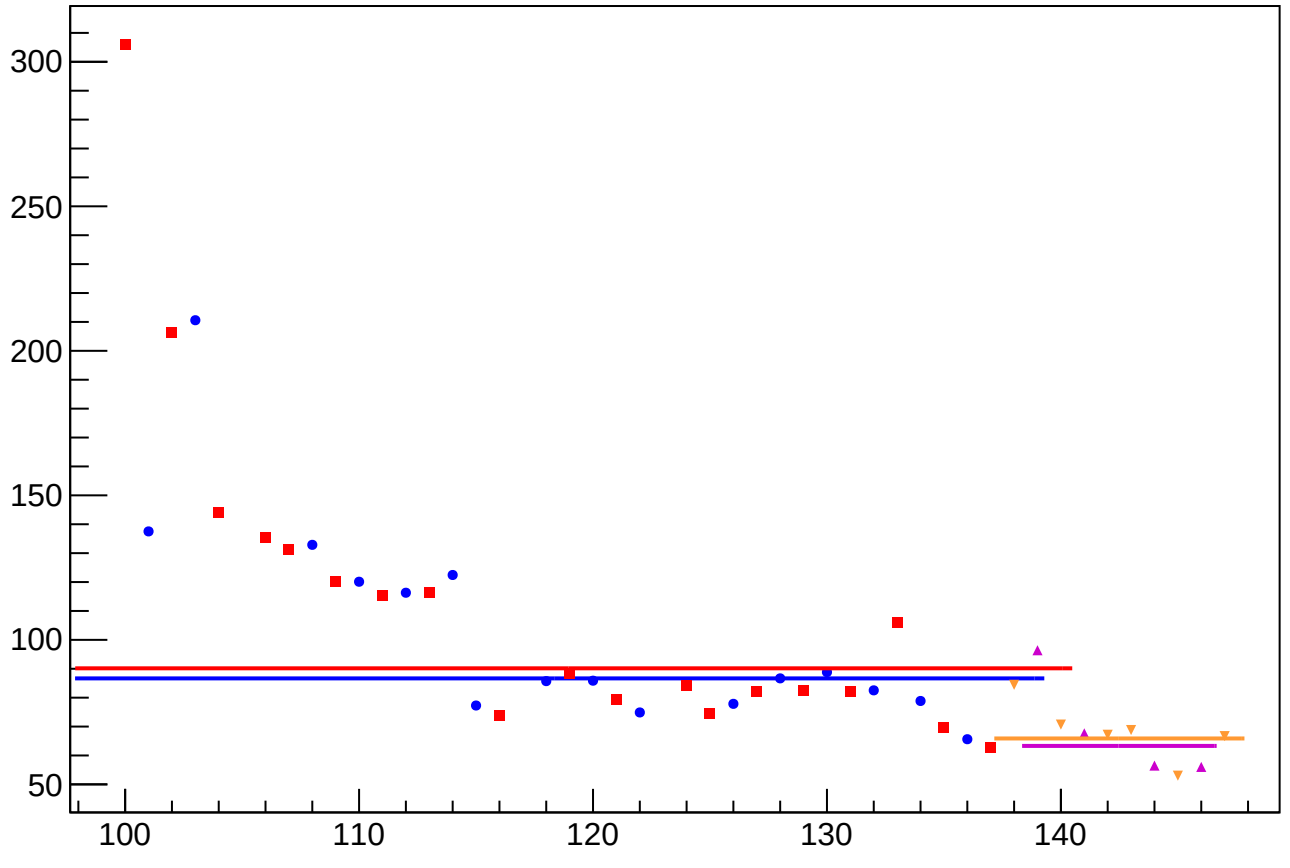
Left: 102.124+/-23.494 χ^2/NDF: 5.6/9

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 50.557+/-24.299 χ^2/NDF:14.4/19

Out: 94.223+/-23.489 χ^2/NDF:25.3/24

All: 73.130+/-16.888 χ^2/NDF: 41.3/44



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.883+/-0.022 χ^2/NDF:172900.3/5

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

Left: 64.713+/-0.017 χ^2/NDF: 438360.4/9

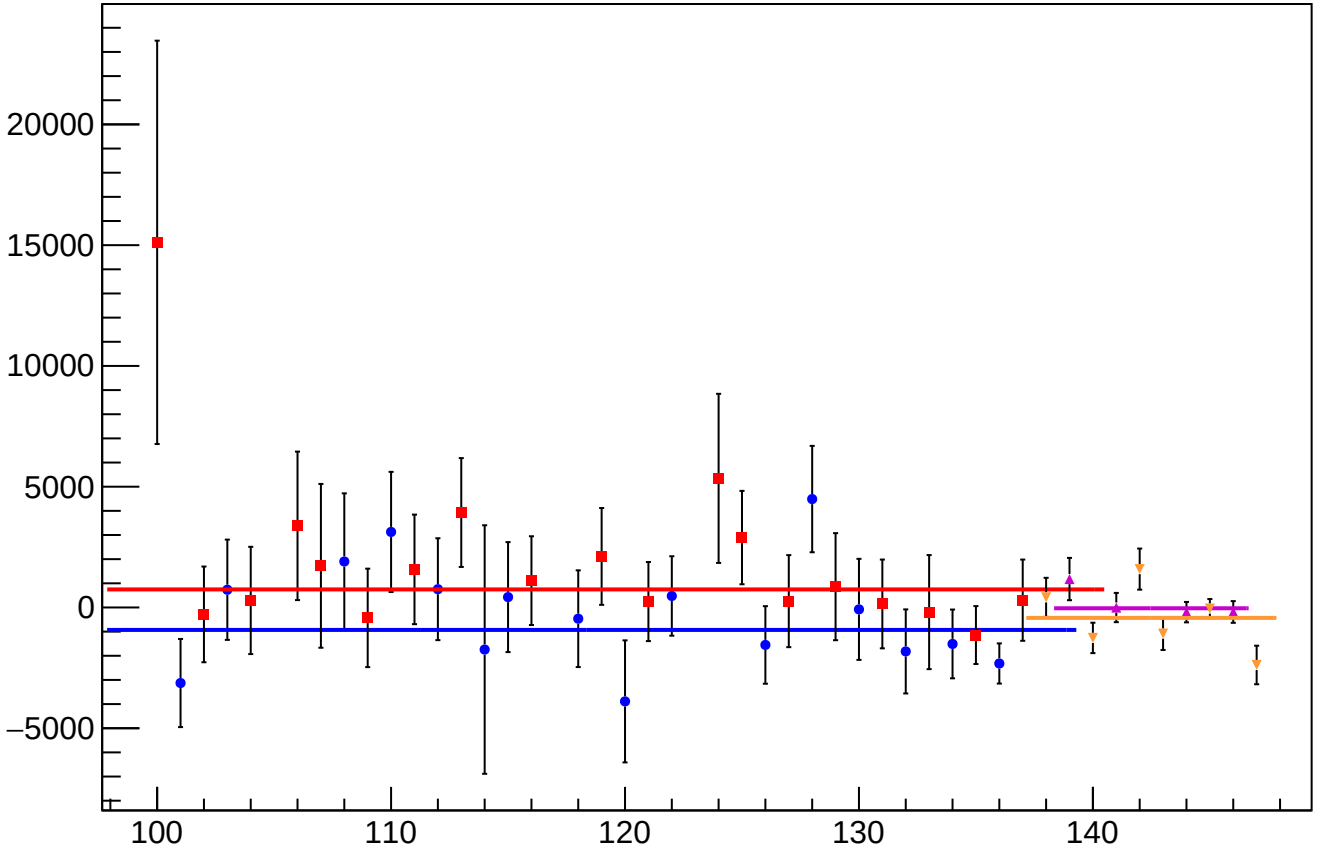
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 75.321+/-0.017 χ^2/NDF:1760063.7/19

Out: 76.908+/-0.017 χ^2/NDF:1852200.0/24

All: 76.141+/-0.012 χ^2/NDF: 3616670.8/44

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: -431.844+/-253.152 χ^2/NDF:16.3/5

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -33.063+/-261.811 χ^2/NDF:2.2/3

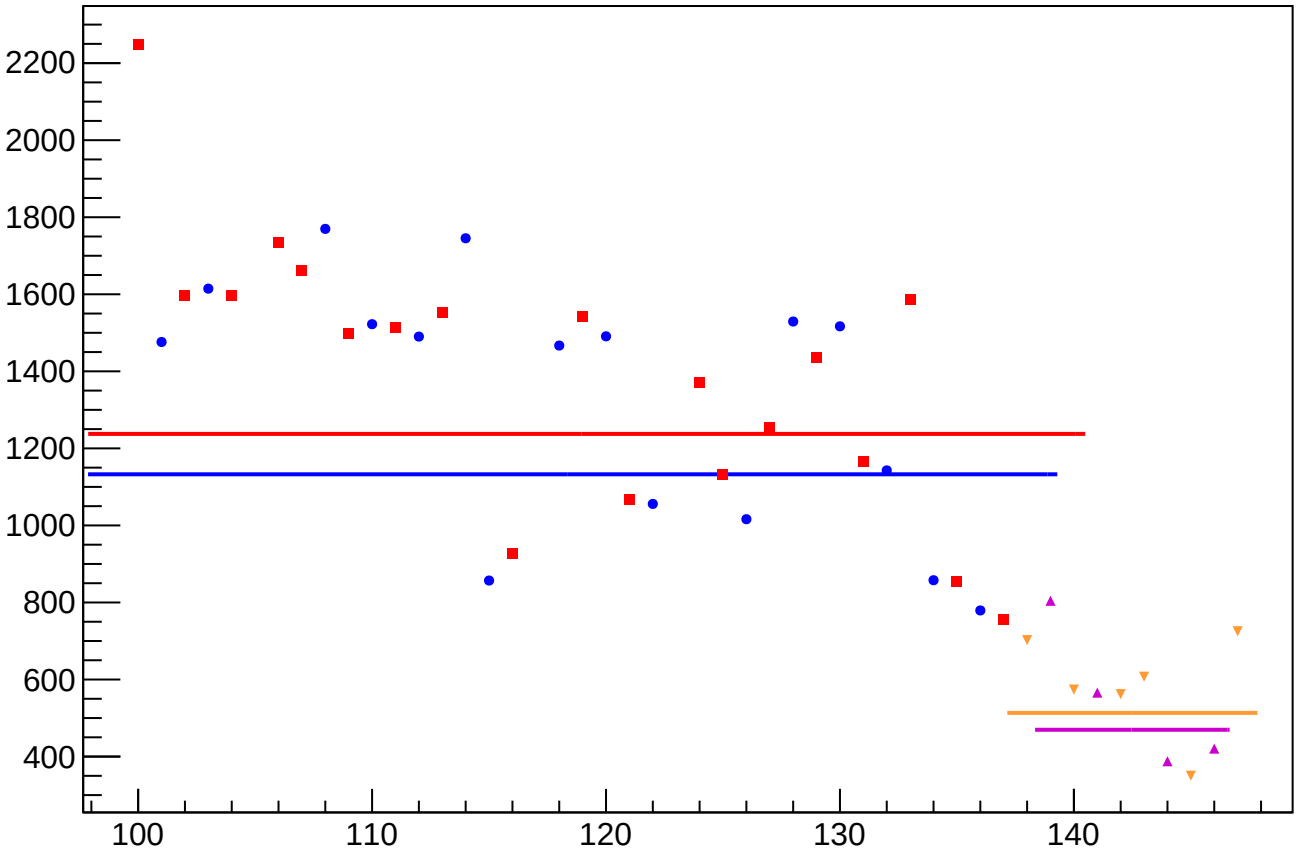
Left: -239.157+/-181.990 χ^2/NDF: 19.7/9

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -266.843+/-225.112 χ^2/NDF:23.8/19

Out: -164.865+/-222.653 χ^2/NDF:34.2/24

All: -215.294+/-158.302 χ^2/NDF: 58.1/44



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 513.427+/-0.179 χ^2/NDF:654319.2/5

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 469.577+/-0.185 χ^2/NDF:441605.3/3

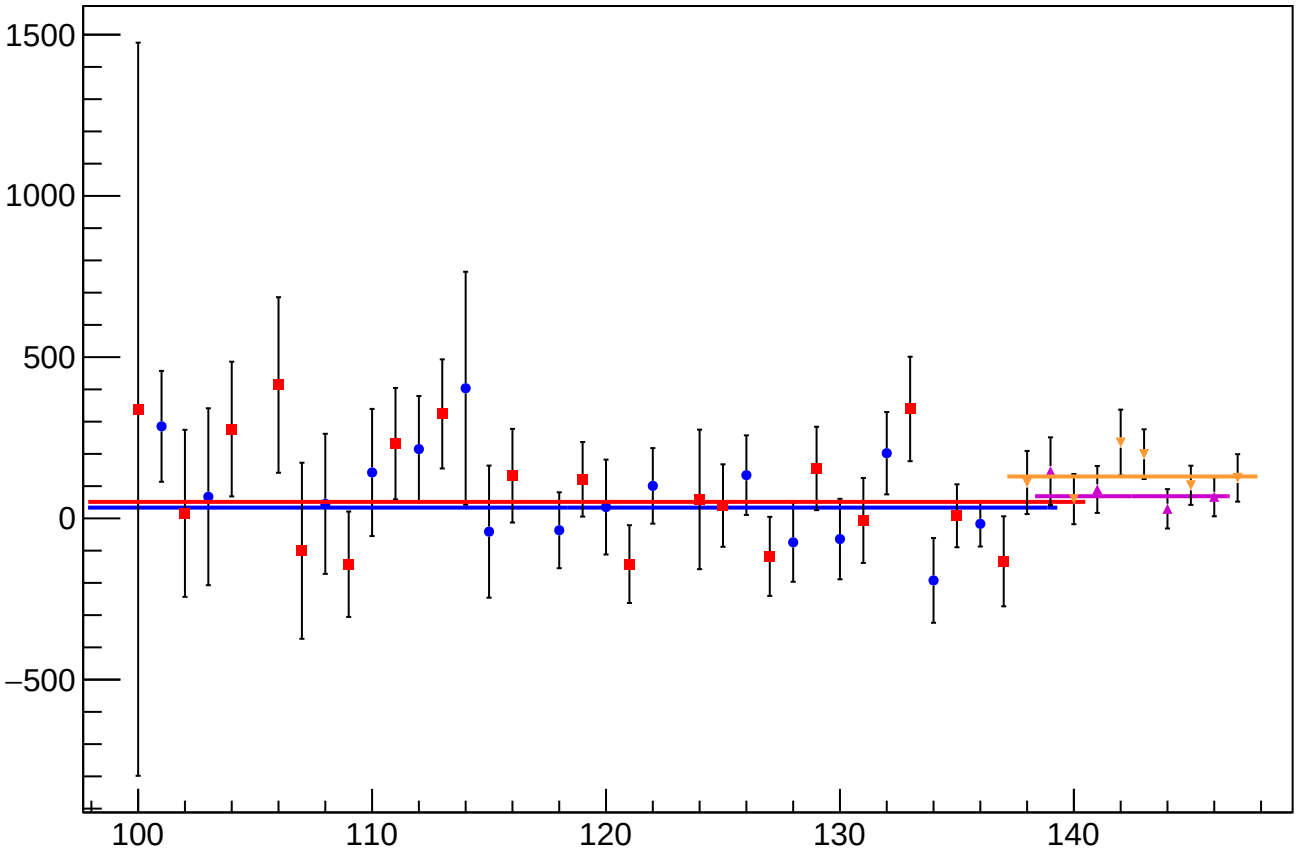
Left: 492.239+/-0.129 χ^2/NDF: 1124919.5/9

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 642.447+/-0.159 χ^2/NDF:4910473.8/19

Out: 677.405+/-0.157 χ^2/NDF:5255491.1/24

All: 660.118+/-0.112 χ^2/NDF: 10190345.3/44



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 129.923+/-31.795 χ^2/NDF:2.9/5

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 68.696+/-34.868 χ^2/NDF:1.0/3

Left: 102.126+/-23.494 χ^2/NDF: 5.6/9

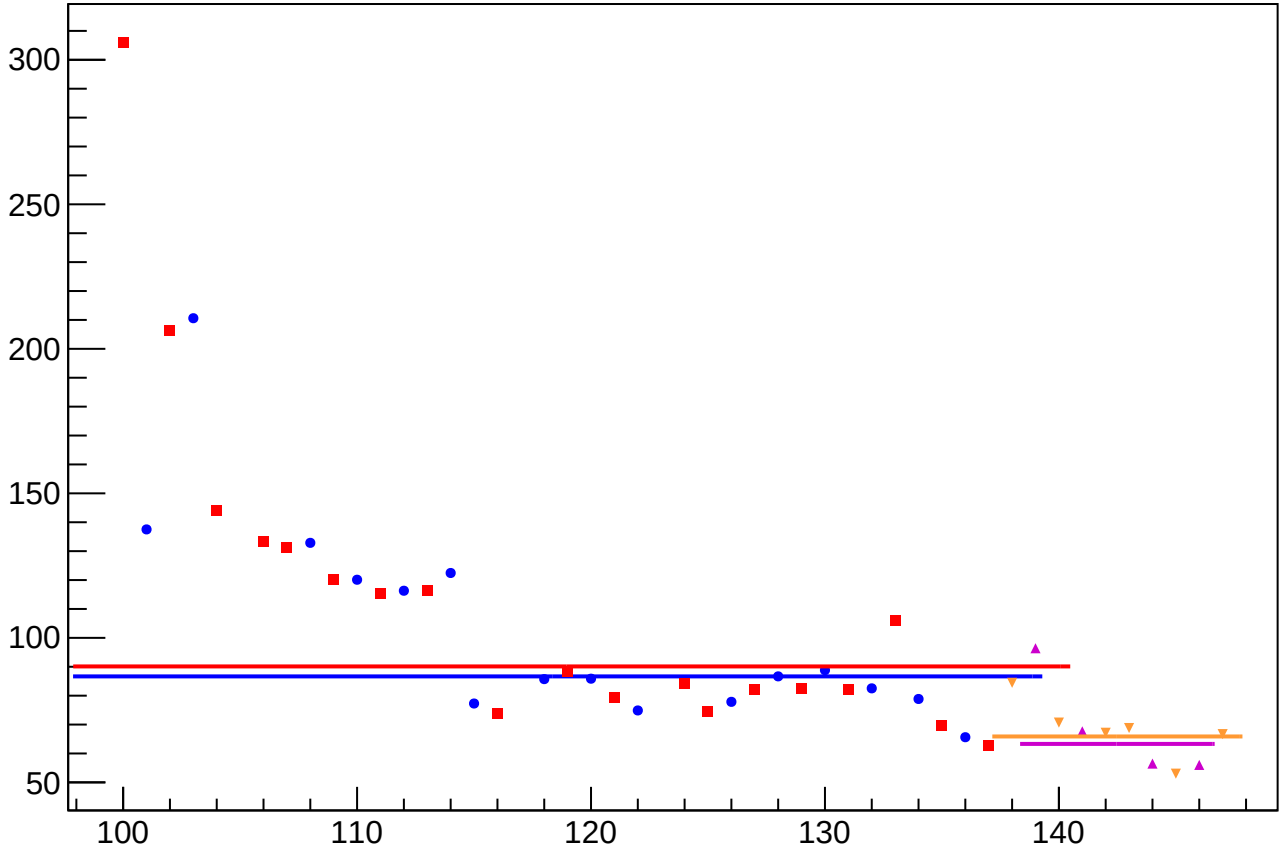
Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 50.553+/-24.299 χ^2/NDF:14.4/19

Out: 94.161+/-23.489 χ^2/NDF:25.2/24

All: 73.095+/-16.888 χ^2/NDF: 41.3/44

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.883+/-0.022 χ^2/NDF:172900.3/5

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

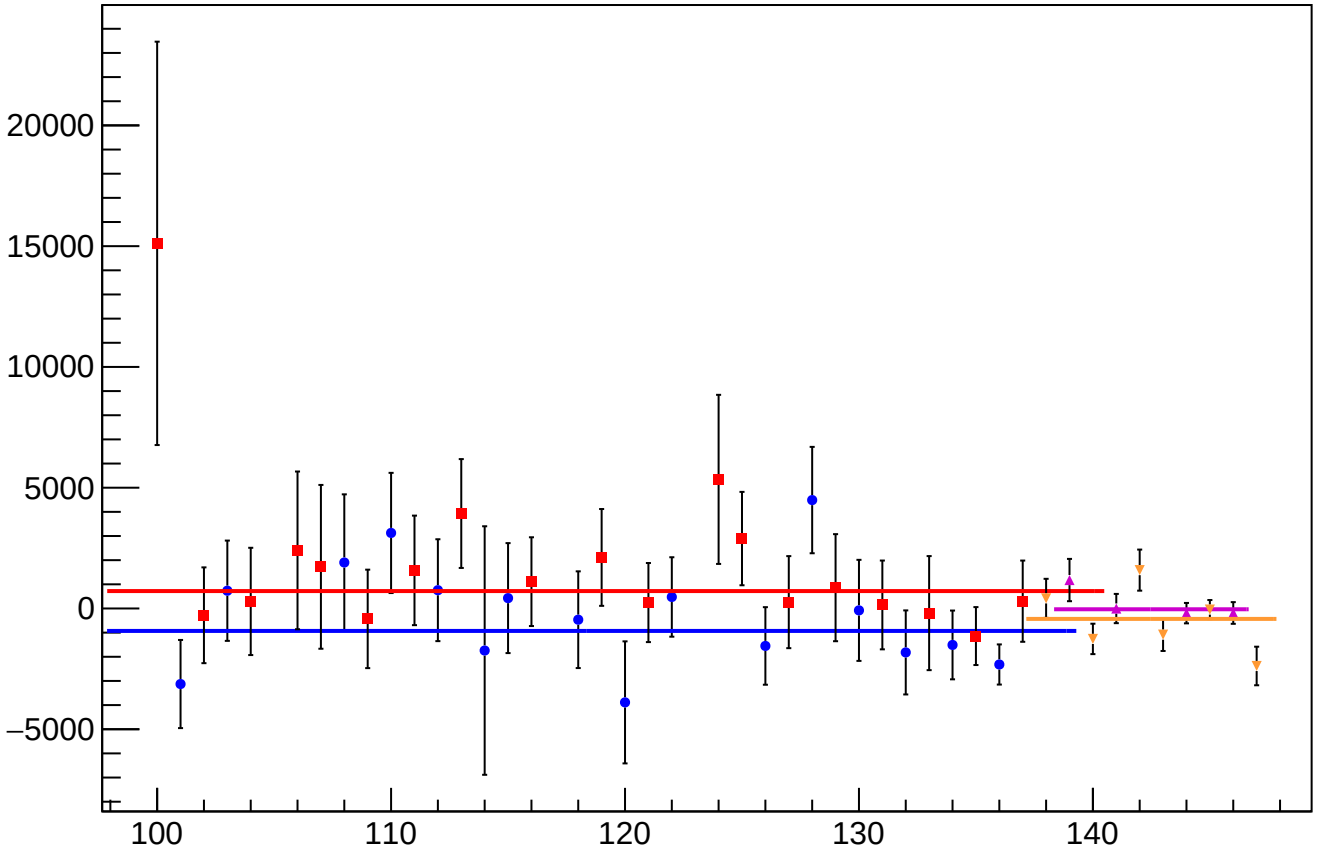
Left: 64.713+/-0.017 χ^2/NDF: 438360.4/9

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 75.321+/-0.017 χ^2/NDF:1760066.3/19

Out: 76.890+/-0.017 χ^2/NDF:1845854.8/24

All: 76.132+/-0.012 χ^2/NDF: 3610231.1/44



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -431.837+/-253.152 χ^2/NDF:16.3/5

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -33.059+/-261.811 χ^2/NDF:2.2/3

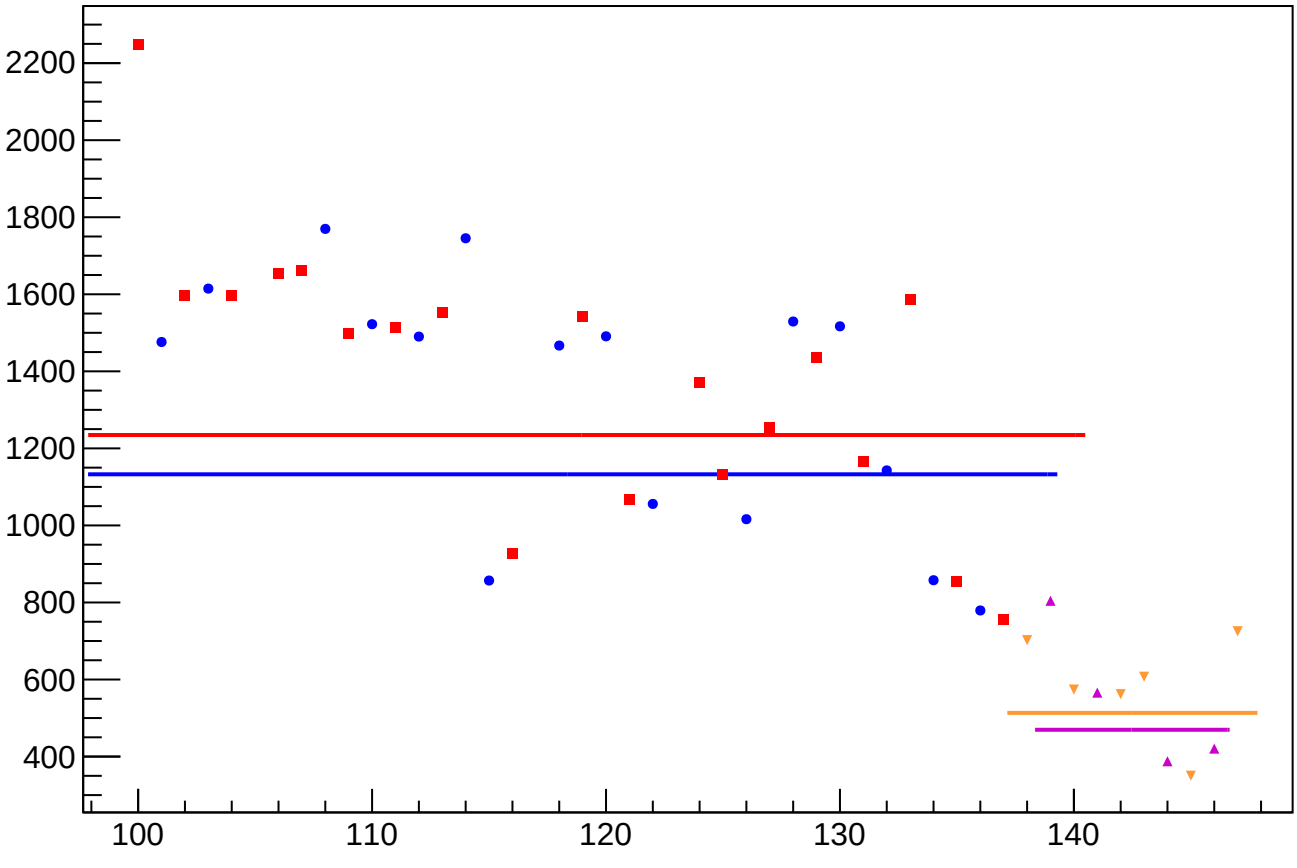
Left: -239.151+/-181.990 χ^2/NDF: 19.7/9

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -266.831+/-225.113 χ^2/NDF:23.8/19

Out: -171.431+/-222.722 χ^2/NDF:33.5/24

All: -218.622+/-158.327 χ^2/NDF: 57.4/44



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 513.427+/-0.179 χ^2/NDF:654320.3/5

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 469.577+/-0.185 χ^2/NDF:441606.2/3

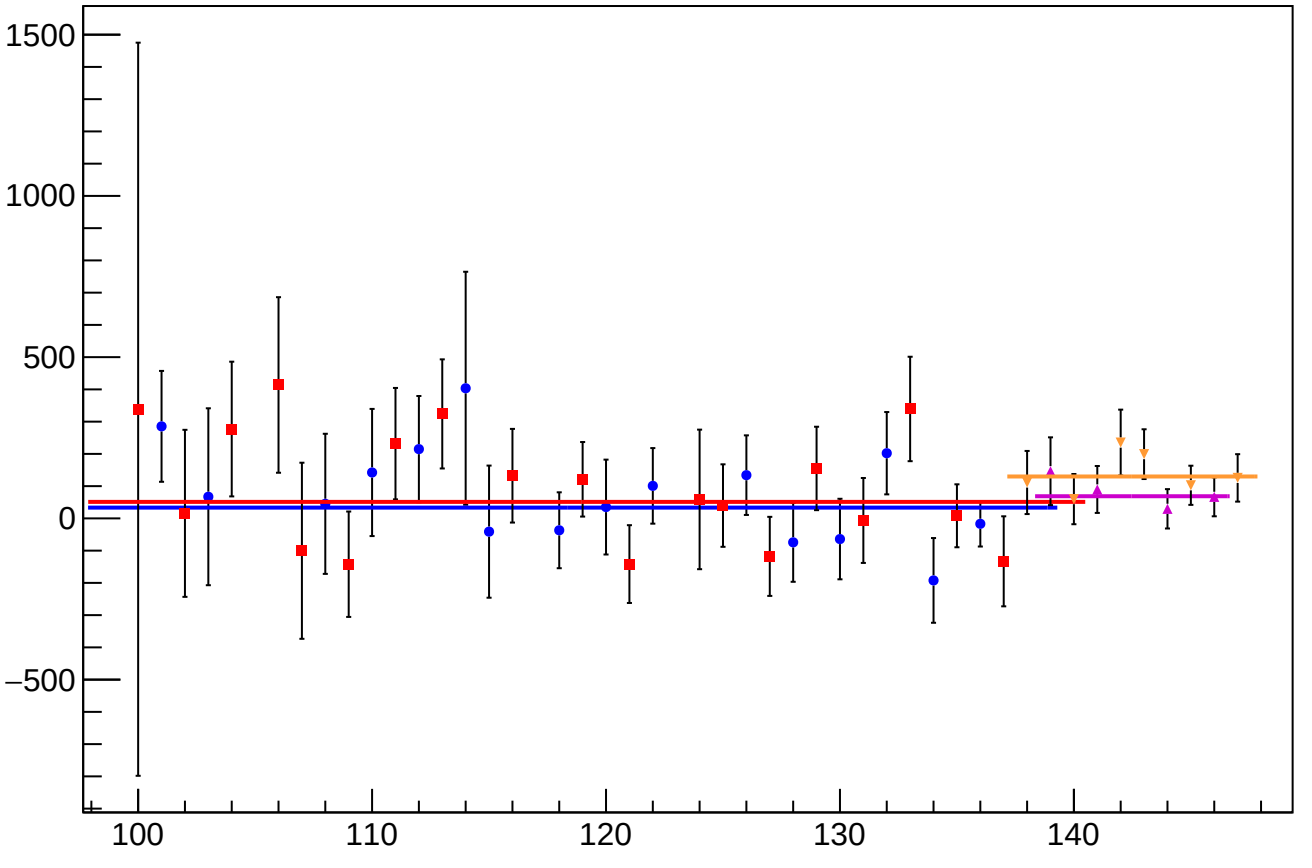
Left: 492.239+/-0.129 χ^2/NDF: 1124921.0/9

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 642.446+/-0.159 χ^2/NDF:4910510.5/19

Out: 676.408+/-0.157 χ^2/NDF:5199274.1/24

All: 659.609+/-0.112 χ^2/NDF: 10132787.9/44



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 129.923+/-31.795 χ^2/NDF:2.9/5

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 68.696+/-34.868 χ^2/NDF:1.0/3

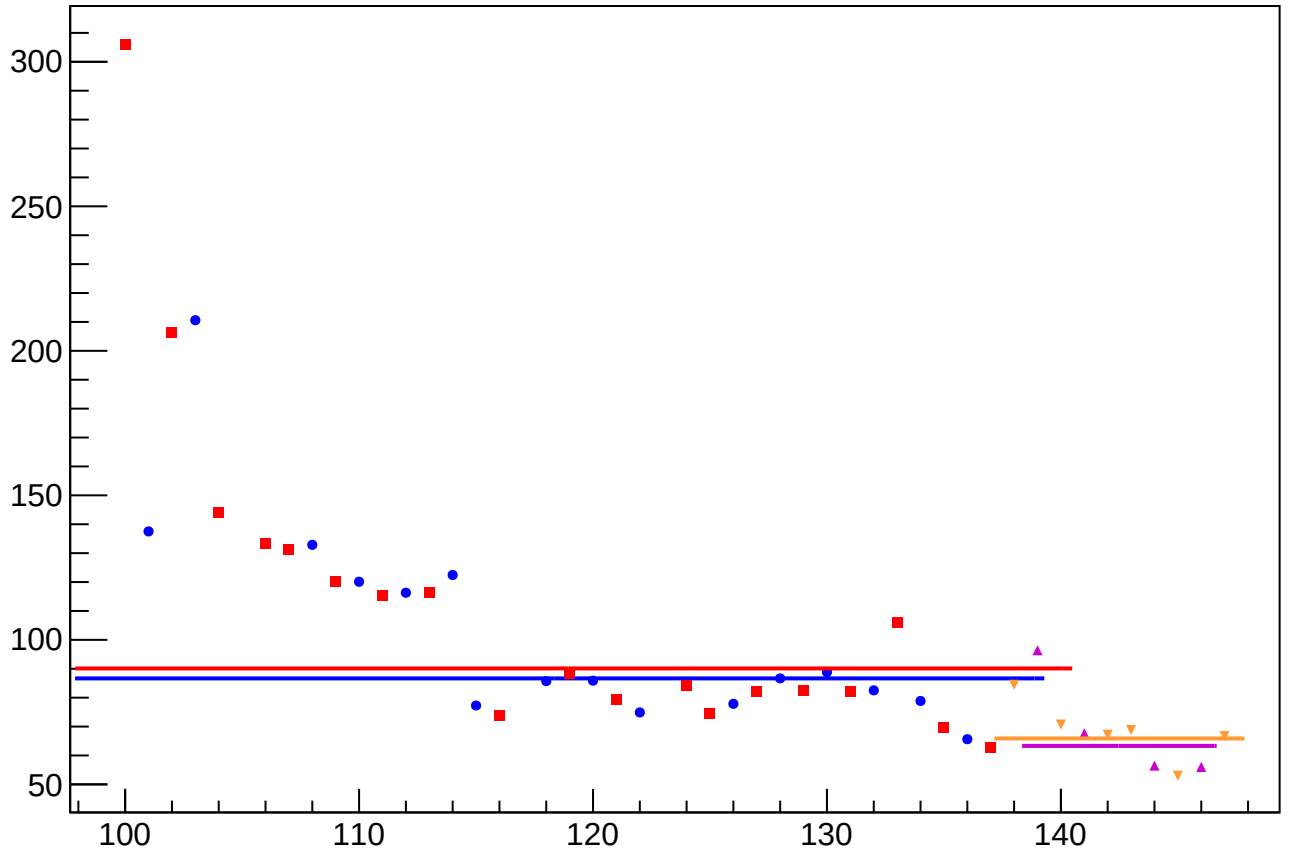
Left: 102.126+/-23.494 χ^2/NDF: 5.6/9

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 50.553+/-24.299 χ^2/NDF:14.4/19

Out: 94.161+/-23.489 χ^2/NDF:25.2/24

All: 73.095+/-16.888 χ^2/NDF: 41.3/44



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.883+/-0.022 χ^2/NDF:172900.3/5

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 63.305+/-0.025 χ^2/NDF:259490.2/3

Left: 64.713+/-0.017 χ^2/NDF: 438360.4/9

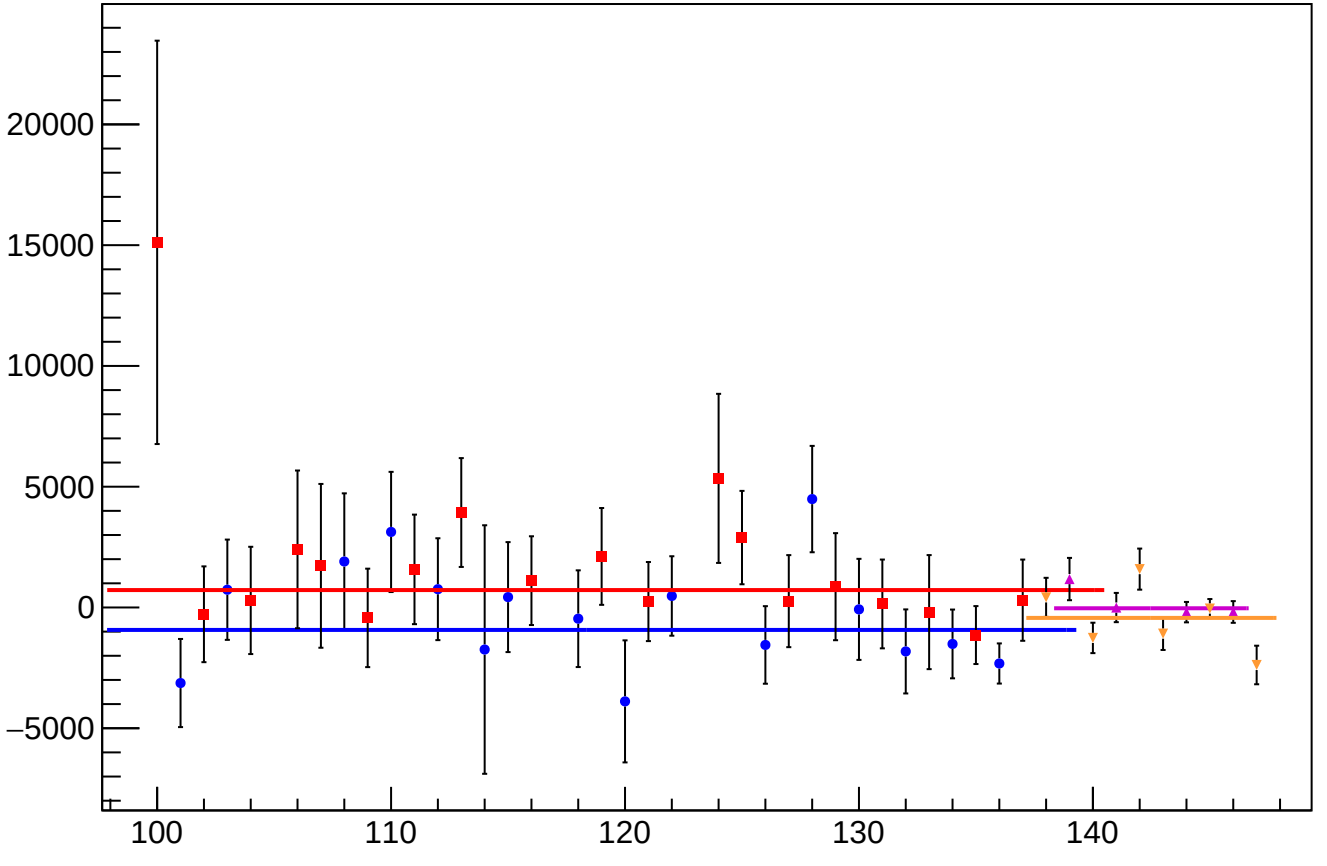
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 75.321+/-0.017 χ^2/NDF:1760066.3/19

Out: 76.890+/-0.017 χ^2/NDF:1845854.8/24

All: 76.132+/-0.012 χ^2/NDF: 3610231.1/44

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: -431.837+/-253.152 χ^2/NDF:16.3/5

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -33.059+/-261.811 χ^2/NDF:2.2/3

Left: -239.151+/-181.990 χ^2/NDF: 19.7/9

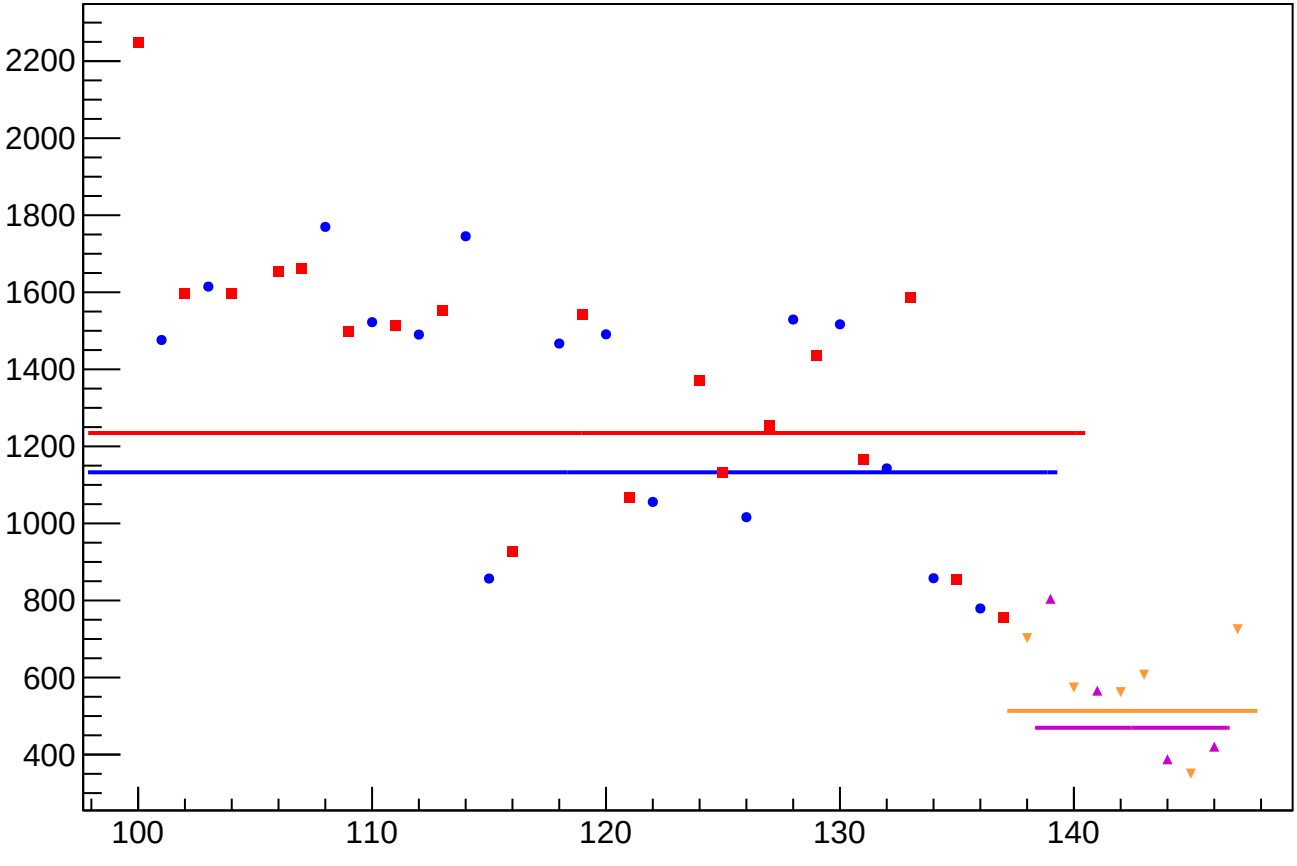
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -266.831+/-225.113 χ^2/NDF:23.8/19

Out: -171.431+/-222.722 χ^2/NDF:33.5/24

All: -218.622+/-158.327 χ^2/NDF: 57.4/44

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: 513.427+/-0.179 χ^2/NDF:654320.3/5

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 469.577+/-0.185 χ^2/NDF:441606.2/3

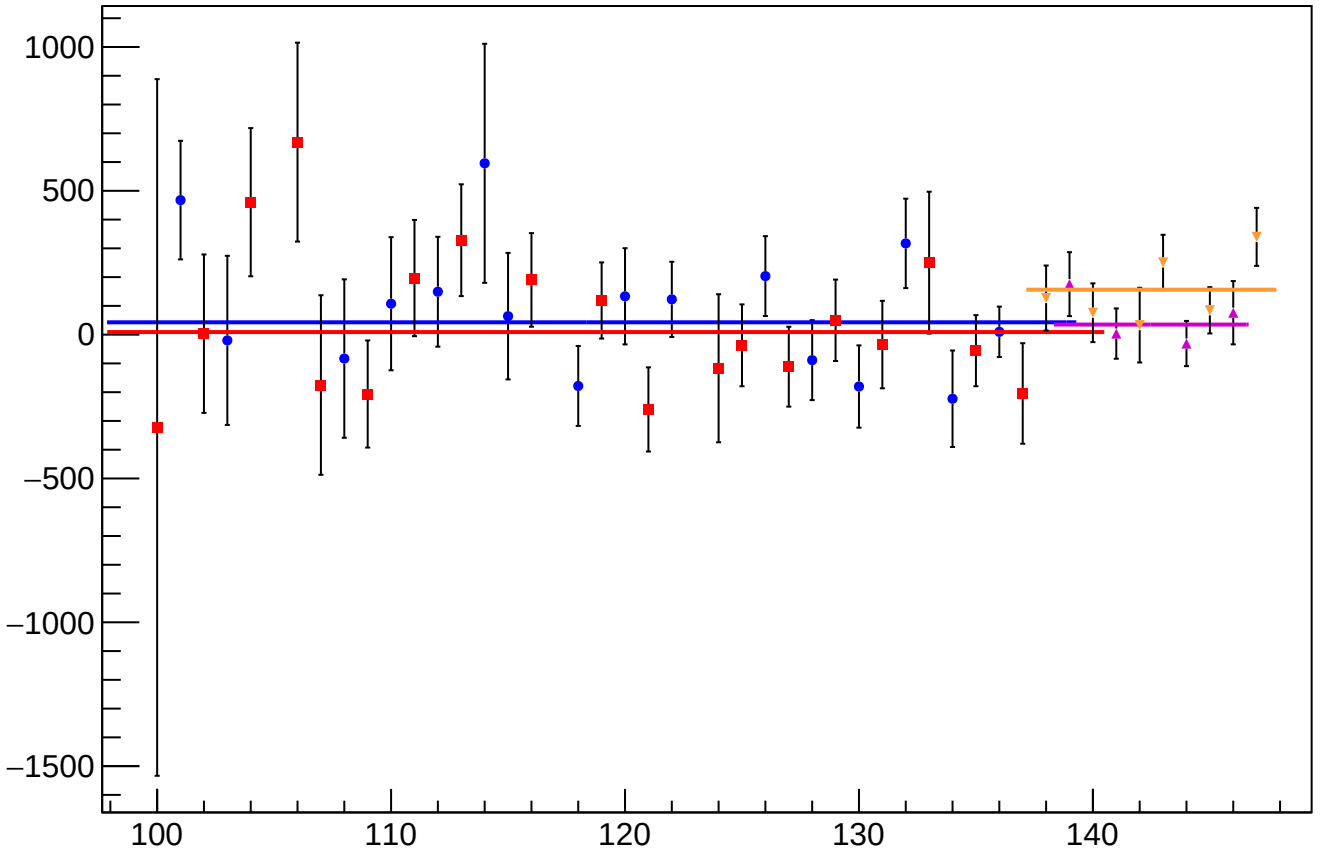
Left: 492.239+/-0.129 χ^2/NDF: 1124921.0/9

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 642.446+/-0.159 χ^2/NDF:4910510.5/19

Out: 676.408+/-0.157 χ^2/NDF:5199274.1/24

All: 659.609+/-0.112 χ^2/NDF: 10132787.9/44



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 156.280+/-41.024 χ^2/NDF:6.7/5

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 35.057+/-46.822 χ^2/NDF:2.6/3

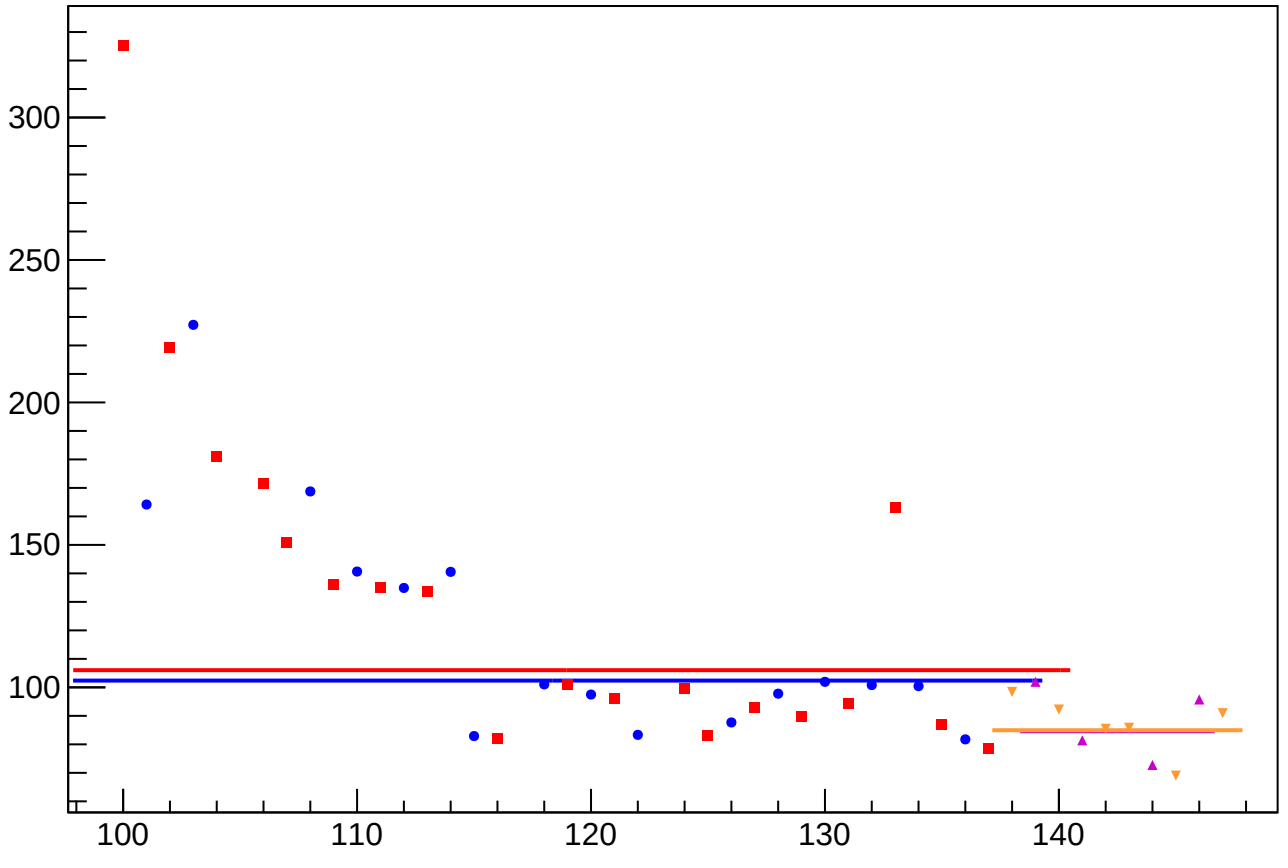
Left: 103.636+/-30.856 χ^2/NDF: 13.0/9

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 39.605+/-30.390 χ^2/NDF:22.9/19

Out: 82.699+/-29.021 χ^2/NDF:34.4/24

All: 62.145+/-20.988 χ^2/NDF: 58.4/44



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 84.953+/-0.029 χ^2/NDF:124084.4/5

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 84.595+/-0.033 χ^2/NDF:117138.8/3

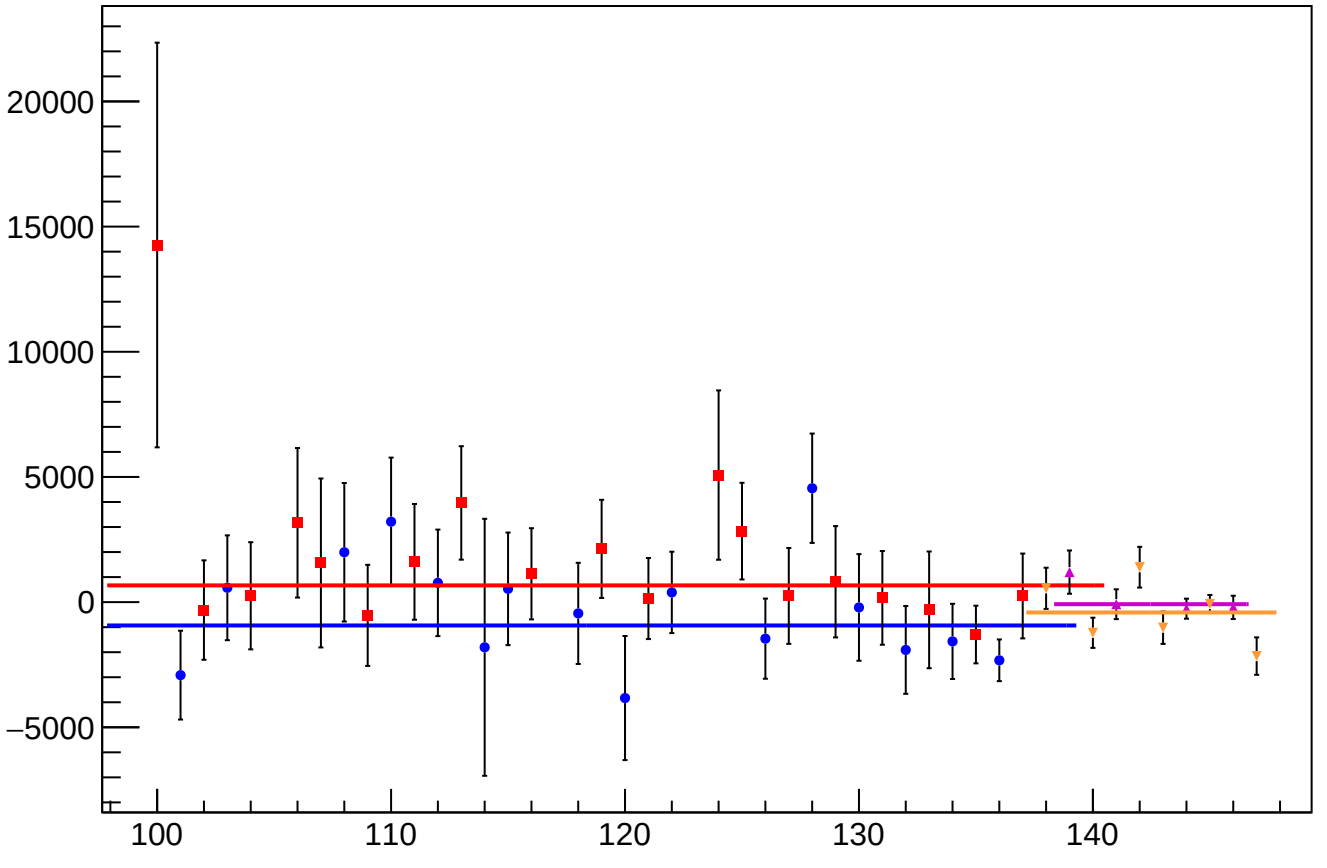
Left: 84.798+/-0.022 χ^2/NDF: 241289.5/9

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 94.887+/-0.021 χ^2/NDF:1266423.1/19

Out: 95.484+/-0.021 χ^2/NDF:1579167.9/24

All: 95.199+/-0.015 χ^2/NDF: 2845994.6/44



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -412.893+/-237.918 χ^2/NDF:15.3/5

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -82.261+/-257.930 χ^2/NDF:2.5/3

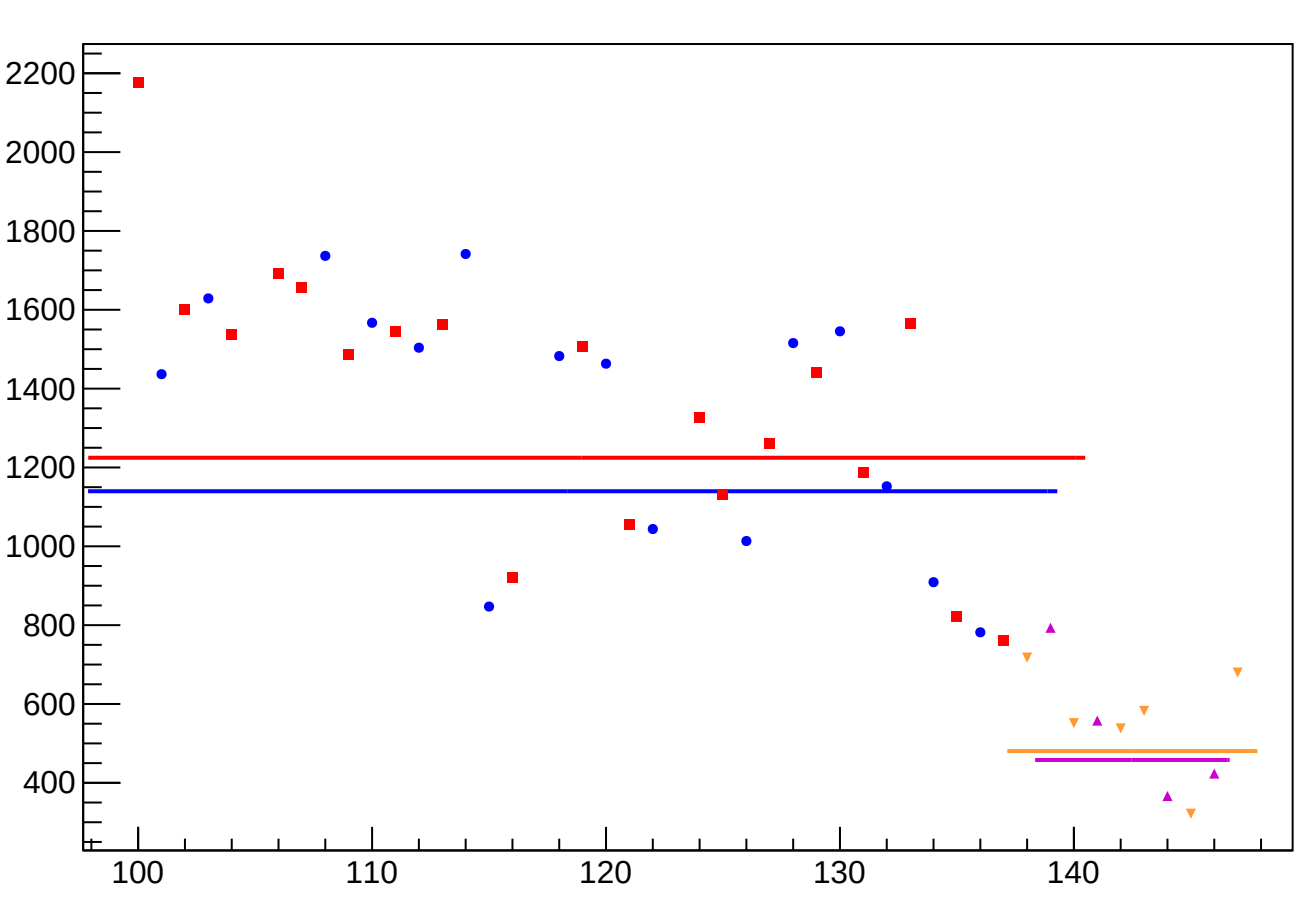
Left: -260.899+/-174.881 χ^2/NDF: 18.7/9

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -297.688+/-222.866 χ^2/NDF:23.7/19

Out: -187.155+/-211.635 χ^2/NDF:33.1/24

All: -239.566+/-153.465 χ^2/NDF: 57.0/44



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 480.512+/-0.168 χ^2/NDF:786587.4/5

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 457.976+/-0.182 χ^2/NDF:472868.7/3

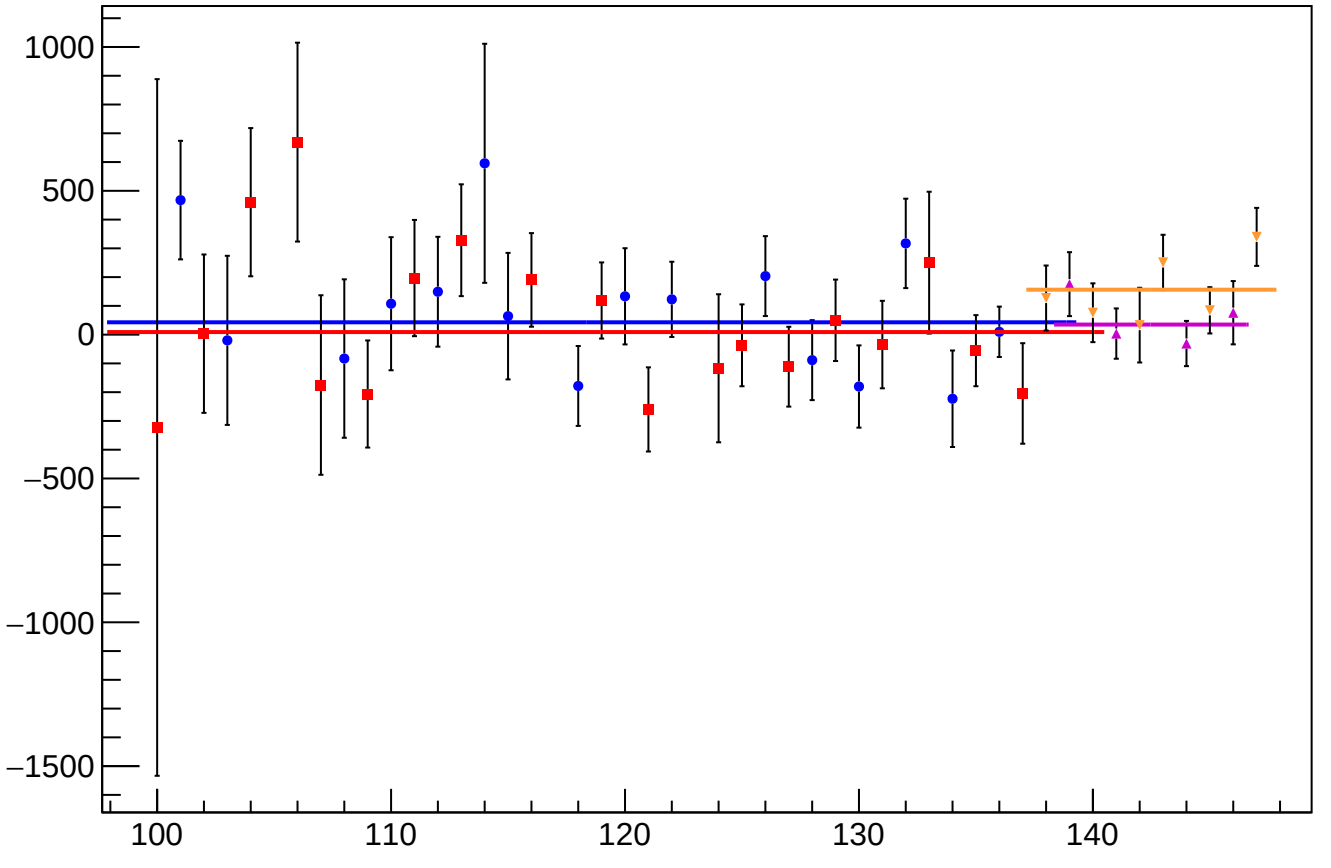
Left: 470.152+/-0.124 χ^2/NDF: 1267705.6/9

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 630.720+/-0.158 χ^2/NDF:5106329.4/19

Out: 635.843+/-0.150 χ^2/NDF:5792900.1/24

All: 633.414+/-0.109 χ^2/NDF: 10899785.4/44



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 156.279+/-41.024 χ^2/NDF:6.7/5

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 35.058+/-46.822 χ^2/NDF:2.6/3

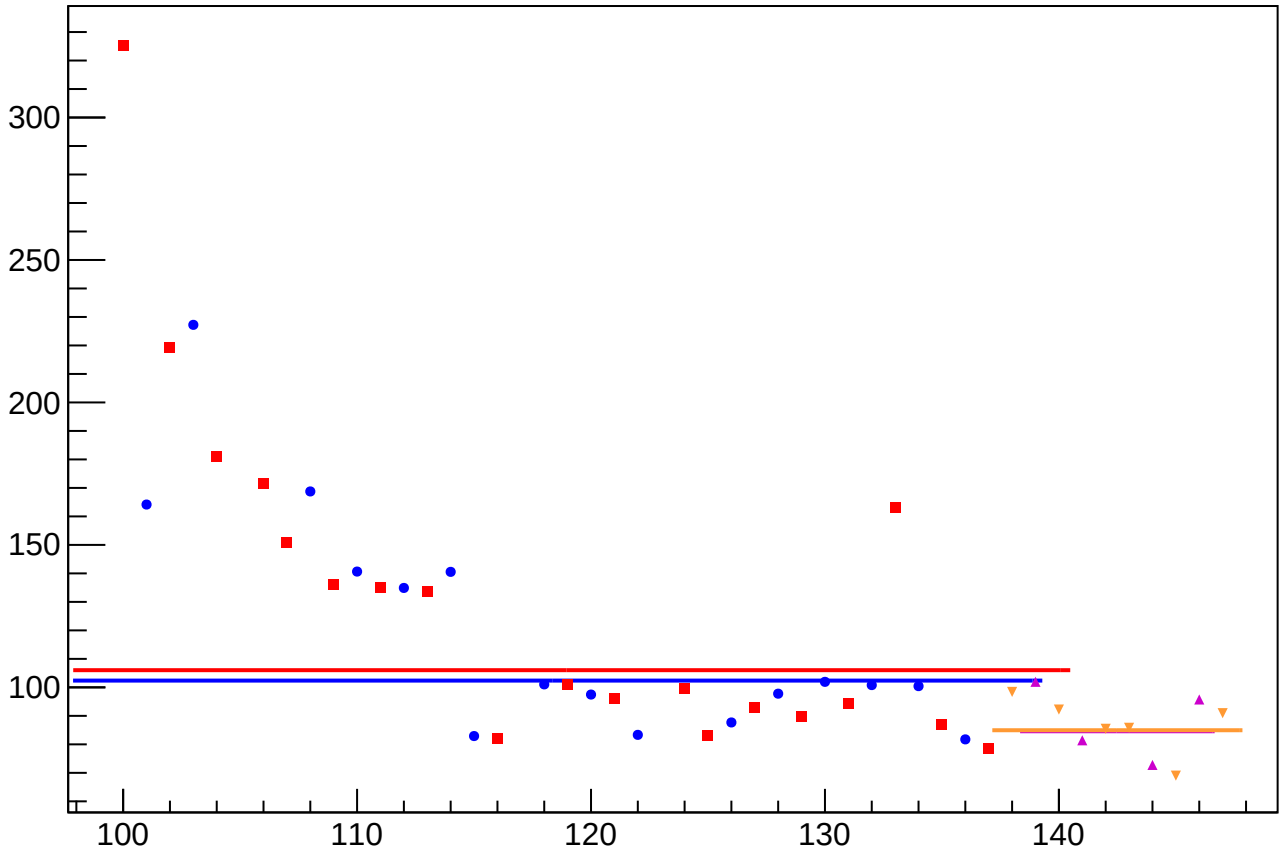
Left: 103.635+/-30.856 χ^2/NDF: 13.0/9

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 39.605+/-30.390 χ^2/NDF:22.9/19

Out: 82.697+/-29.021 χ^2/NDF:34.4/24

All: 62.143+/-20.988 χ^2/NDF: 58.4/44



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 84.954+/-0.029 χ^2/NDF:124074.6/5

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 84.595+/-0.033 χ^2/NDF:117136.2/3

Left: 84.798+/-0.022 χ^2/NDF: 241277.1/9

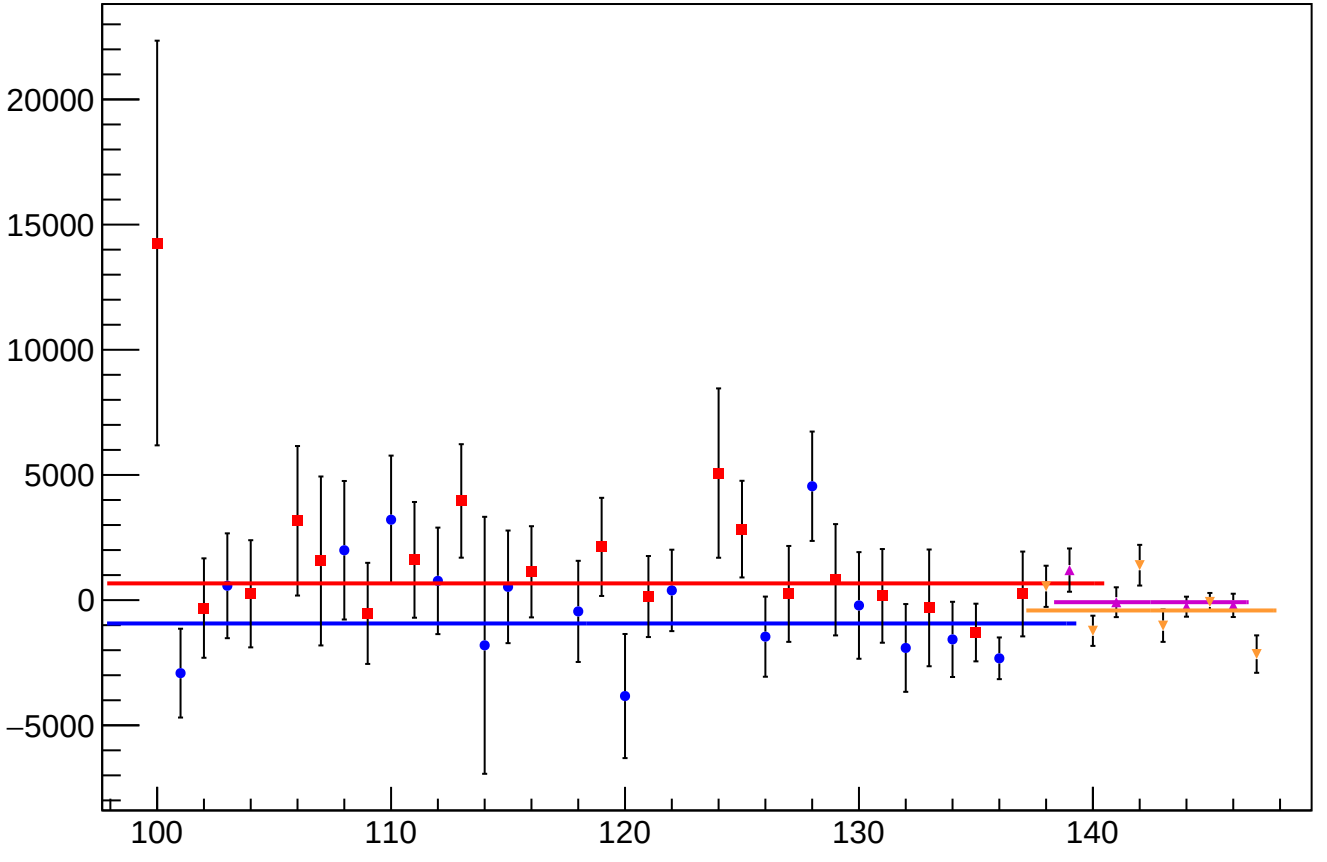
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 94.887+/-0.021 χ^2/NDF:1266403.4/19

Out: 95.484+/-0.021 χ^2/NDF:1579145.5/24

All: 95.199+/-0.015 χ^2/NDF: 2845952.6/44

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: -412.894+/-237.918 χ^2/NDF:15.3/5

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -82.261+/-257.930 χ^2/NDF:2.5/3

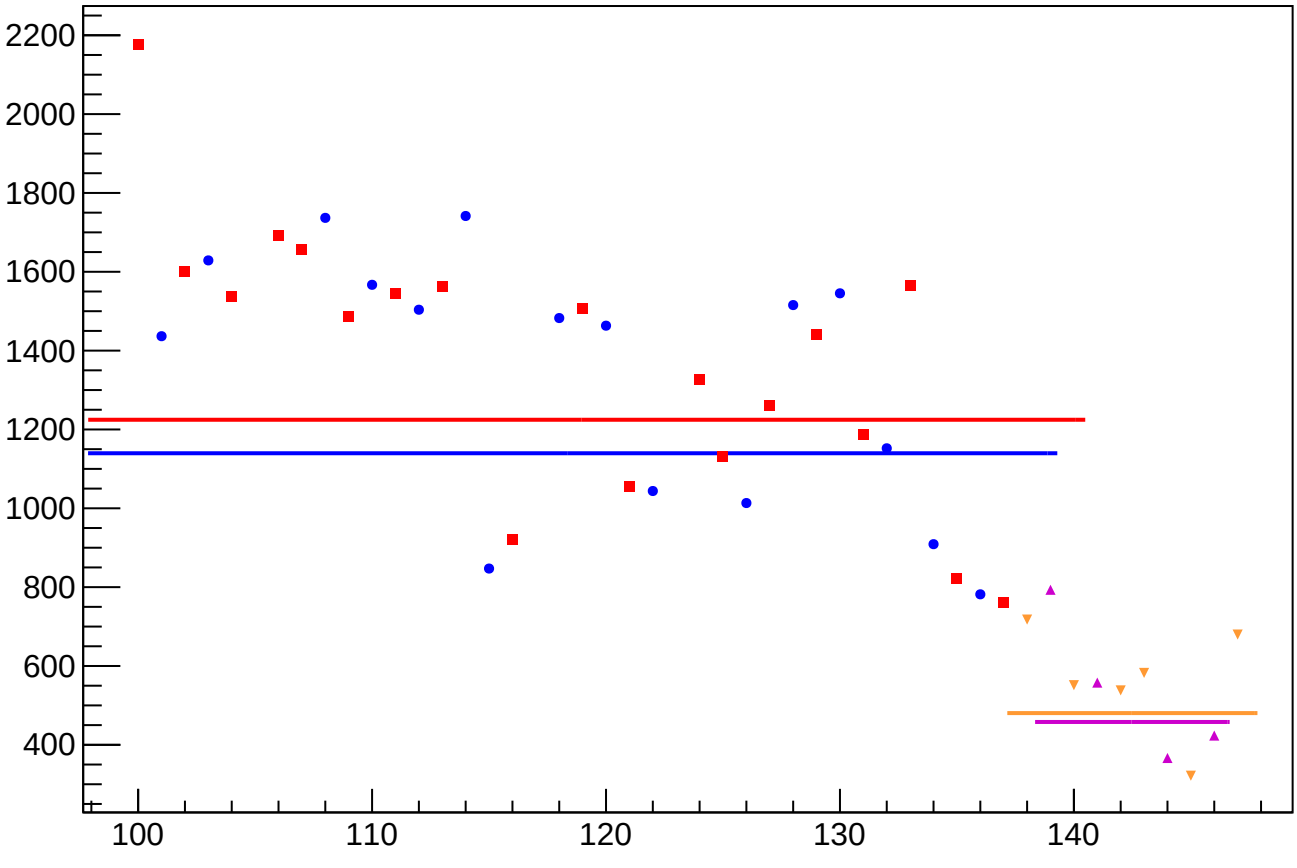
Left: -260.900+/-174.881 χ^2/NDF: 18.7/9

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -297.687+/-222.866 χ^2/NDF:23.7/19

Out: -187.156+/-211.634 χ^2/NDF:33.1/24

All: -239.566+/-153.465 χ^2/NDF: 57.0/44



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 480.511+/-0.168 χ^2/NDF:786597.2/5

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 457.975+/-0.182 χ^2/NDF:472869.9/3

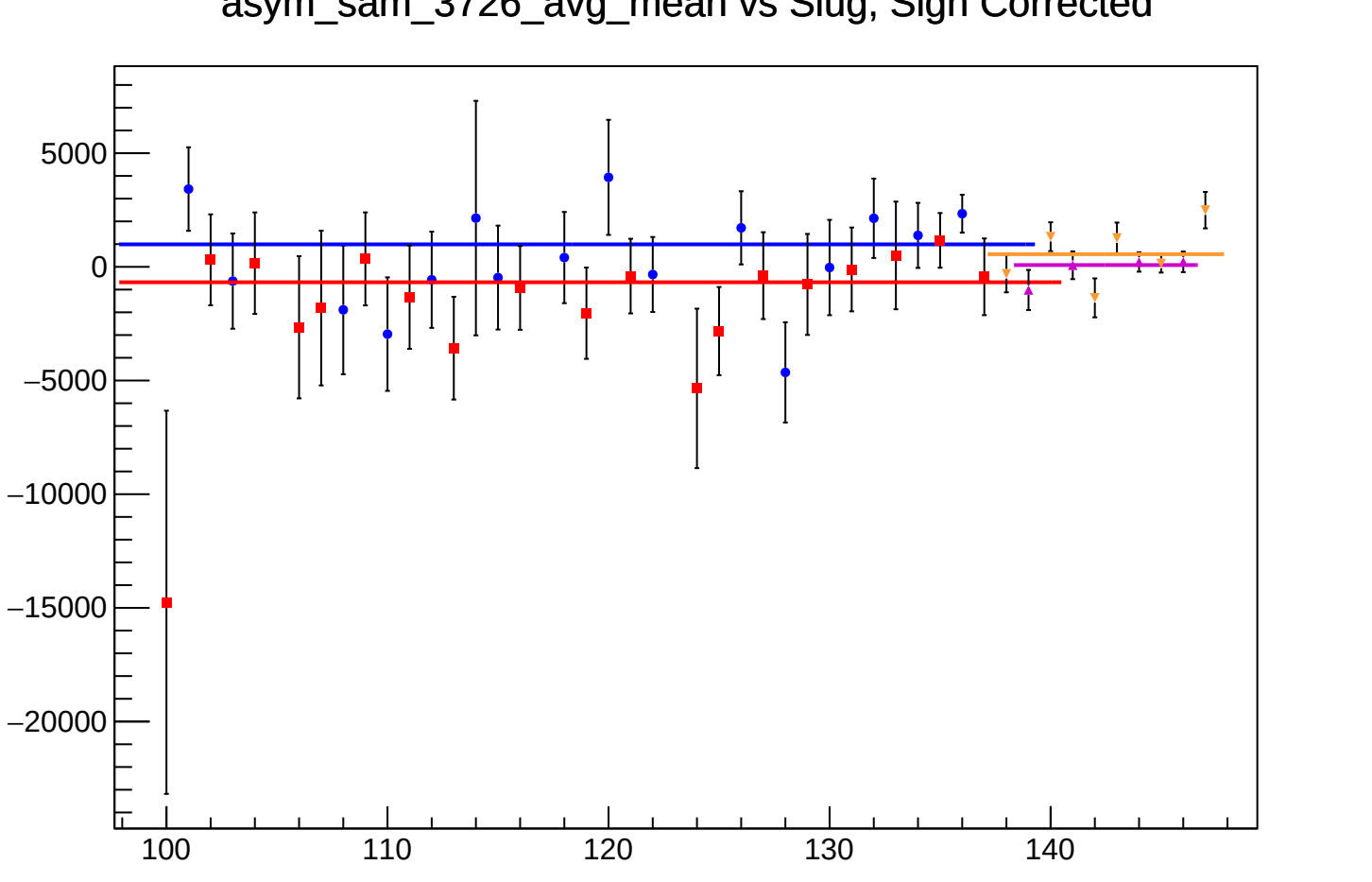
Left: 470.151+/-0.124 χ^2/NDF: 1267716.2/9

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 630.719+/-0.158 χ^2/NDF:5106324.6/19

Out: 635.842+/-0.150 χ^2/NDF:5792913.4/24

All: 633.412+/-0.109 χ^2/NDF: 10899793.7/44



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 556.129+/-255.499 χ^2/NDF:15.6/5

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 79.425+/-264.471 χ^2/NDF:1.7/3

Left: 326.000+/-183.755 χ^2/NDF: 19.0/9

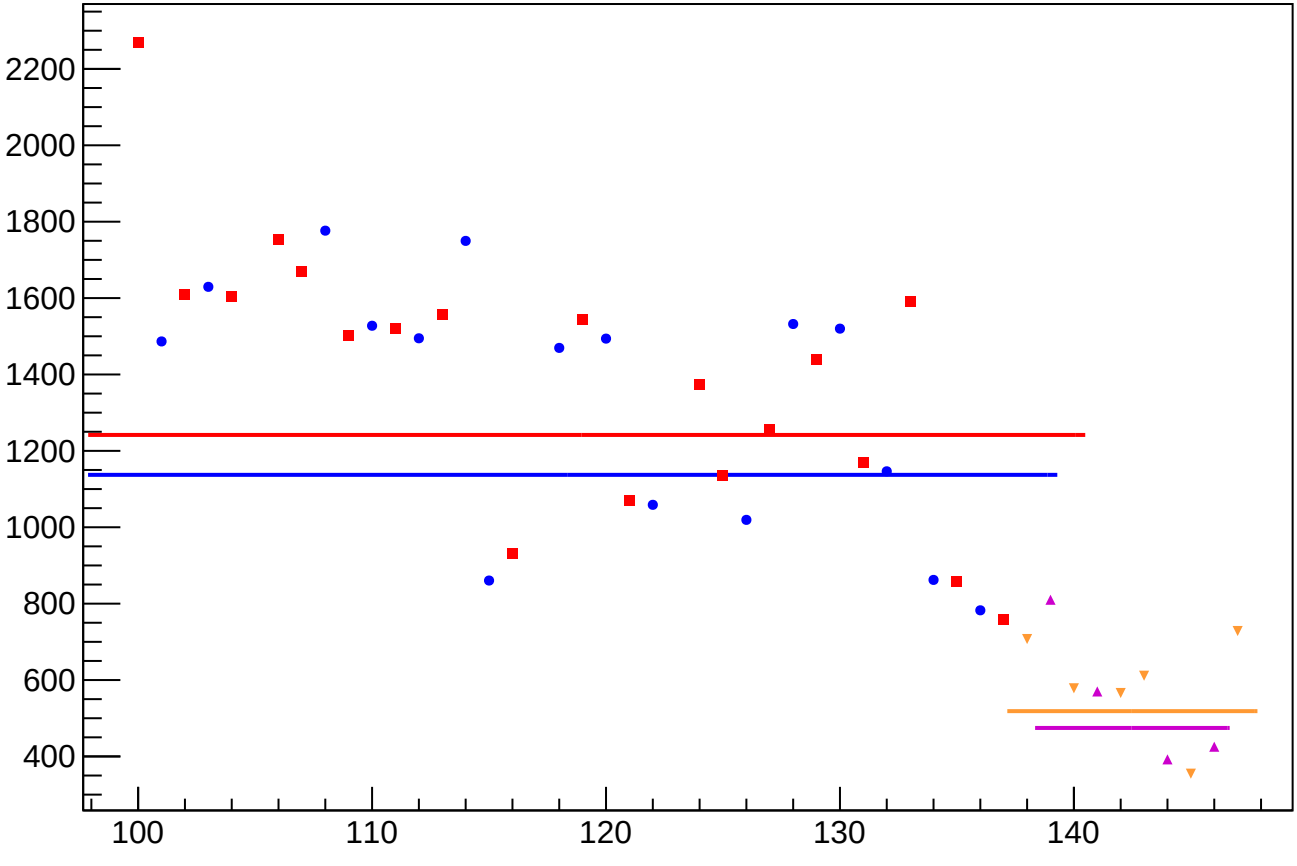
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 318.800+/-227.033 χ^2/NDF:23.9/19

Out: 274.377+/-224.437 χ^2/NDF:32.8/24

All: 296.333+/-159.611 χ^2/NDF: 56.7/44

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 518.578+/-0.181 χ^2/NDF:640582.0/5

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 474.578+/-0.187 χ^2/NDF:436194.7/3

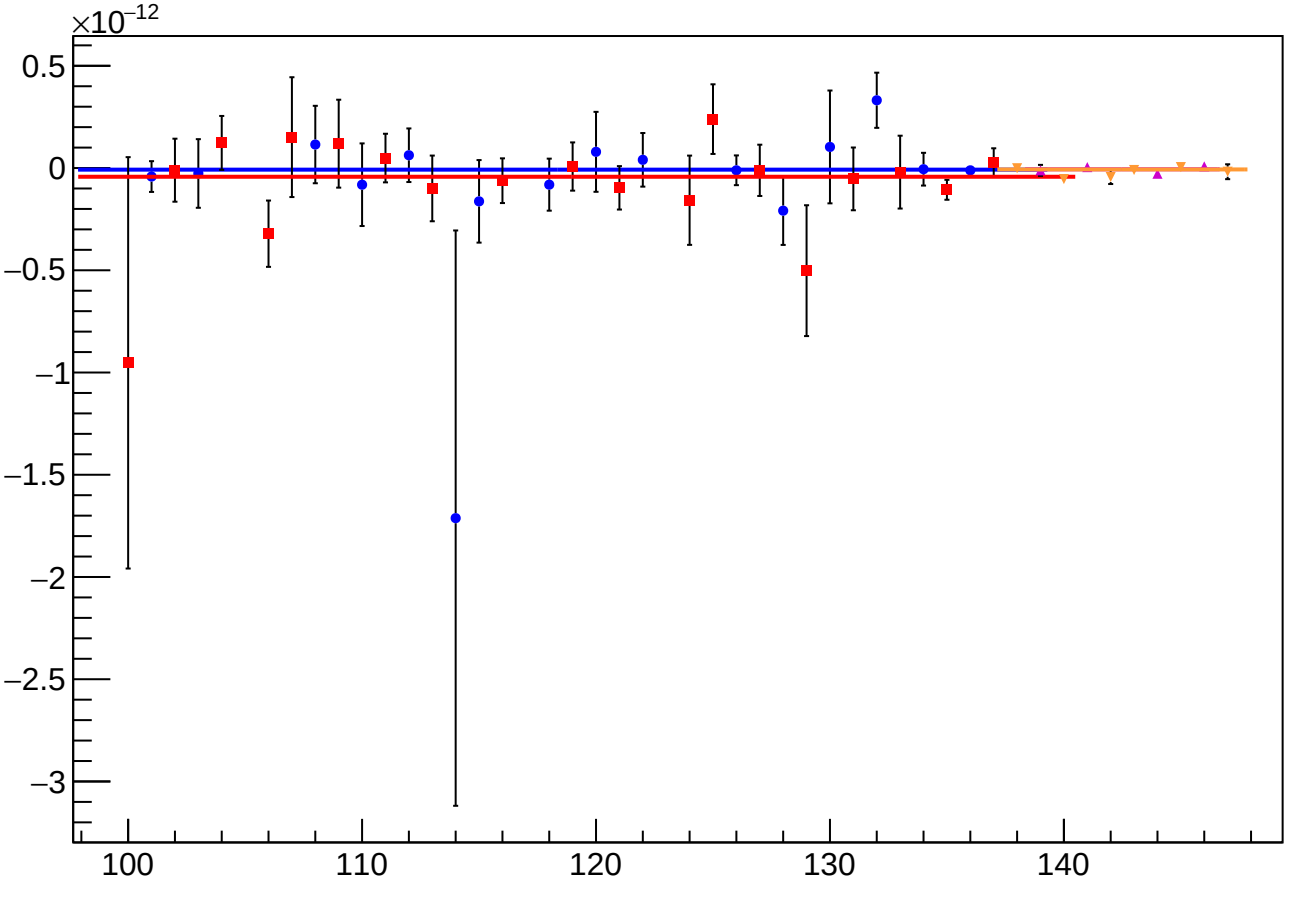
Left: 497.337+/-0.130 χ^2/NDF: 1105410.0/9

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 648.906+/-0.161 χ^2/NDF:4862949.2/19

Out: 683.719+/-0.159 χ^2/NDF:5198659.0/24

All: 666.512+/-0.113 χ^2/NDF: 10085391.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/3

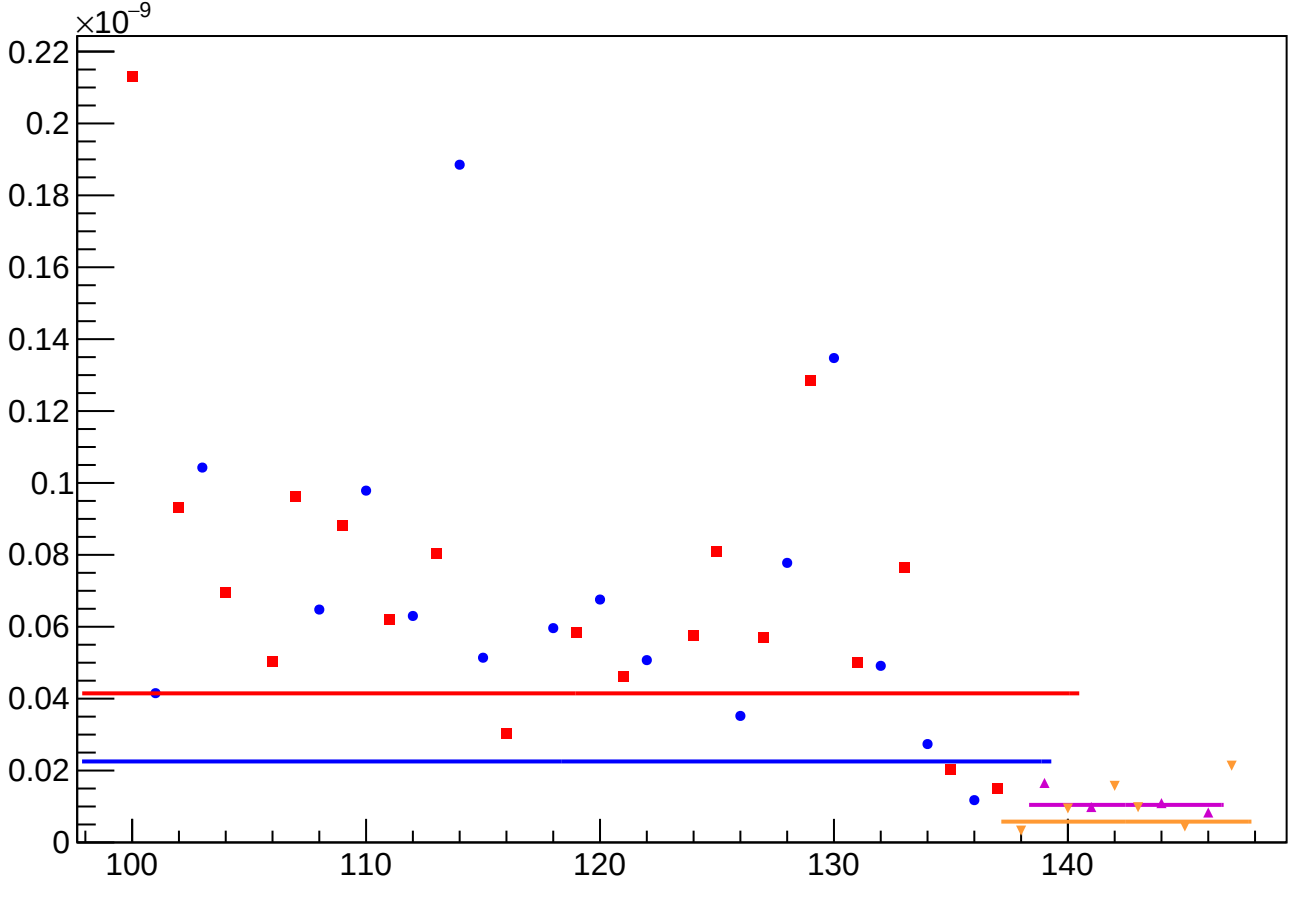
Left: -0.000+/-0.000 χ^2/NDF: 13.0/9

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:14.6/19

Out: -0.000+/-0.000 χ^2/NDF:27.3/24

All: -0.000+/-0.000 χ^2/NDF: 42.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:874491.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:144790.2/3

Left: 0.000+/-0.000 χ^2/NDF: 1382254.6/9

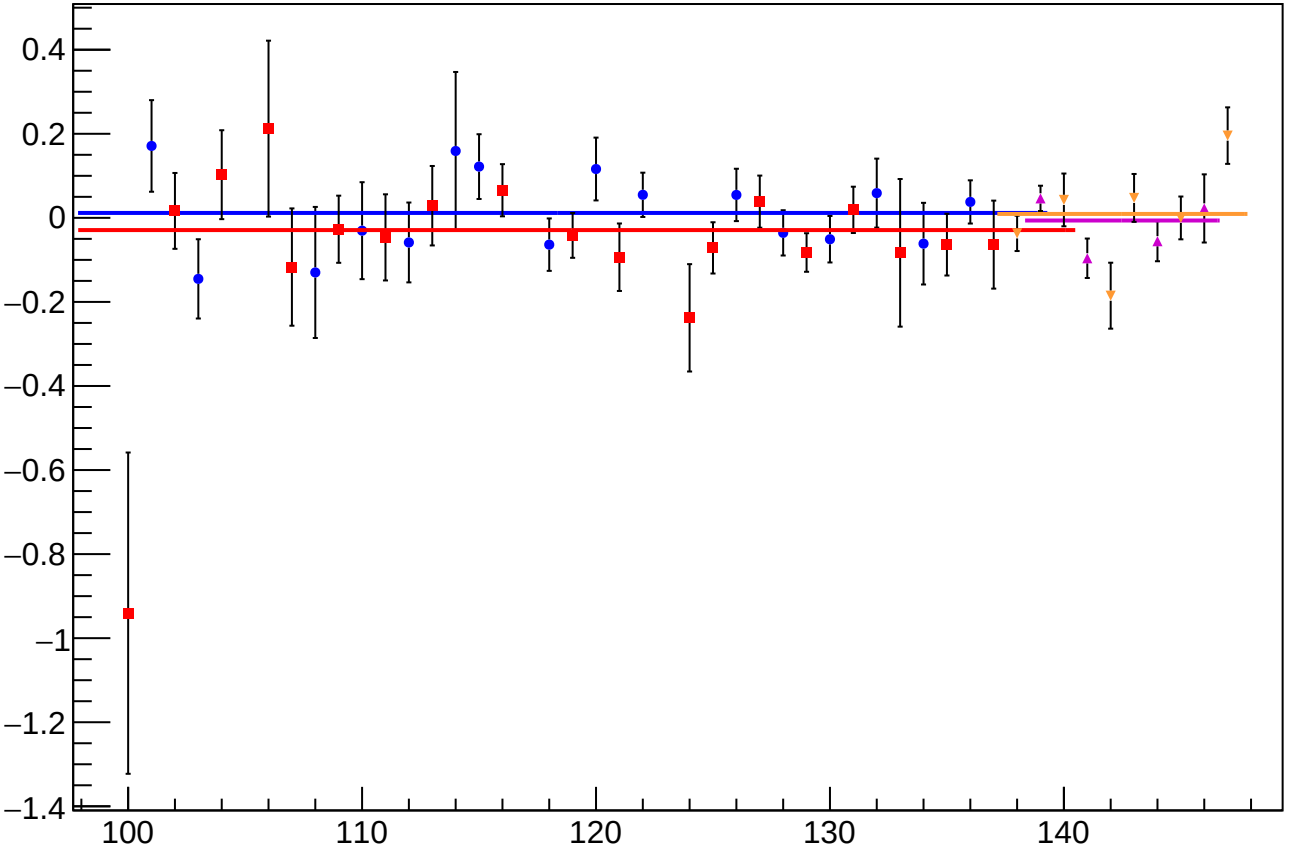
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:3752483.0/19

Out: 0.000+/-0.000 χ^2/NDF:6043667.2/24

All: 0.000+/-0.000 χ^2/NDF: 10466539.1/44

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.022 χ^2/NDF:7.9/3

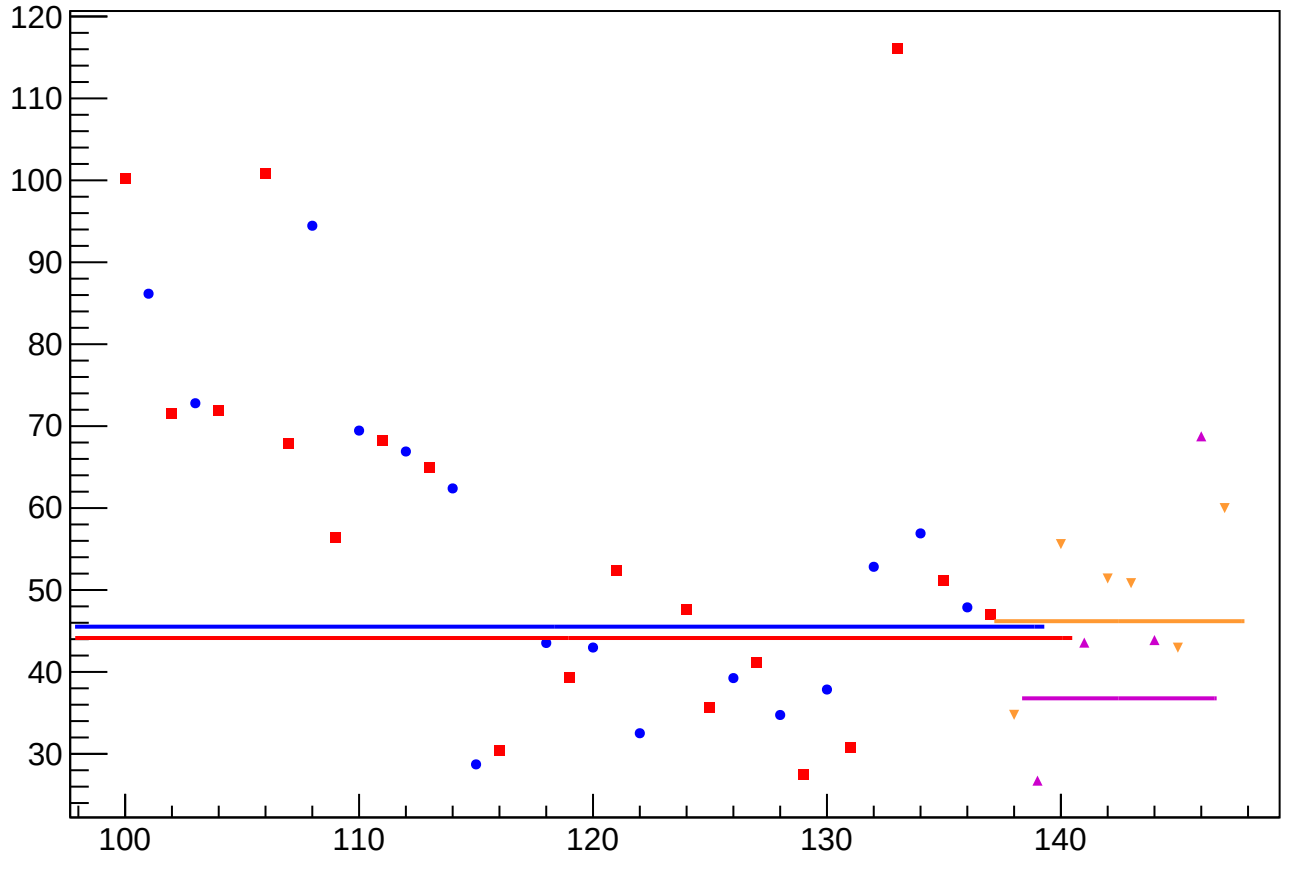
Left: 0.001+/-0.016 χ^2/NDF: 24.0/9

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.014 χ^2/NDF:25.2/19

Out: -0.015+/-0.014 χ^2/NDF:37.1/24

All: -0.005+/-0.010 χ^2/NDF: 63.1/44



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 46.193+/-0.016 χ^2/NDF:307306.4/5

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 36.778+/-0.015 χ^2/NDF:620008.5/3

Left: 41.193+/-0.011 χ^2/NDF: 1105936.0/9

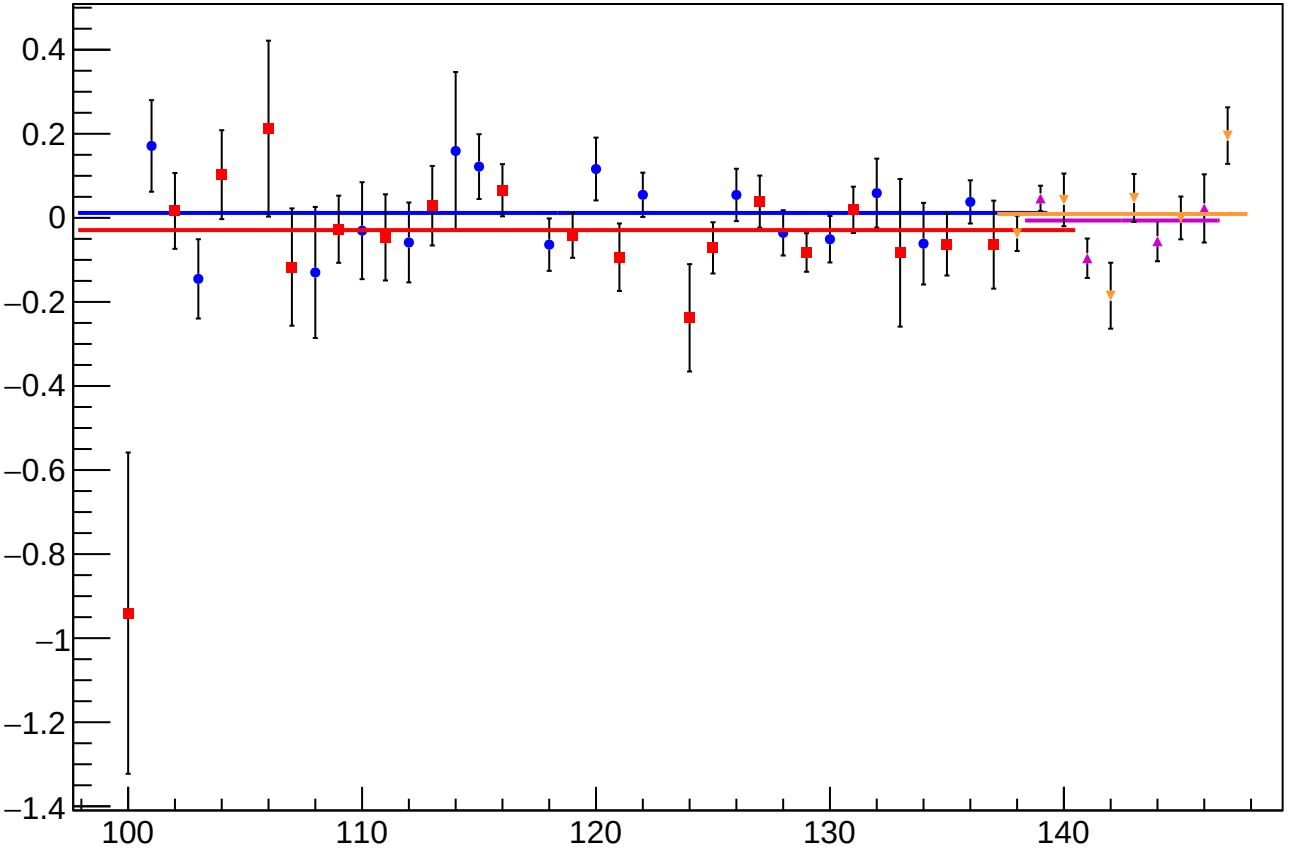
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.861+/-0.010 χ^2/NDF:2064993.7/19

Out: 44.916+/-0.010 χ^2/NDF:2060682.9/24

All: 43.373+/-0.007 χ^2/NDF: 4173056.3/44

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.022 χ^2/NDF:7.9/3

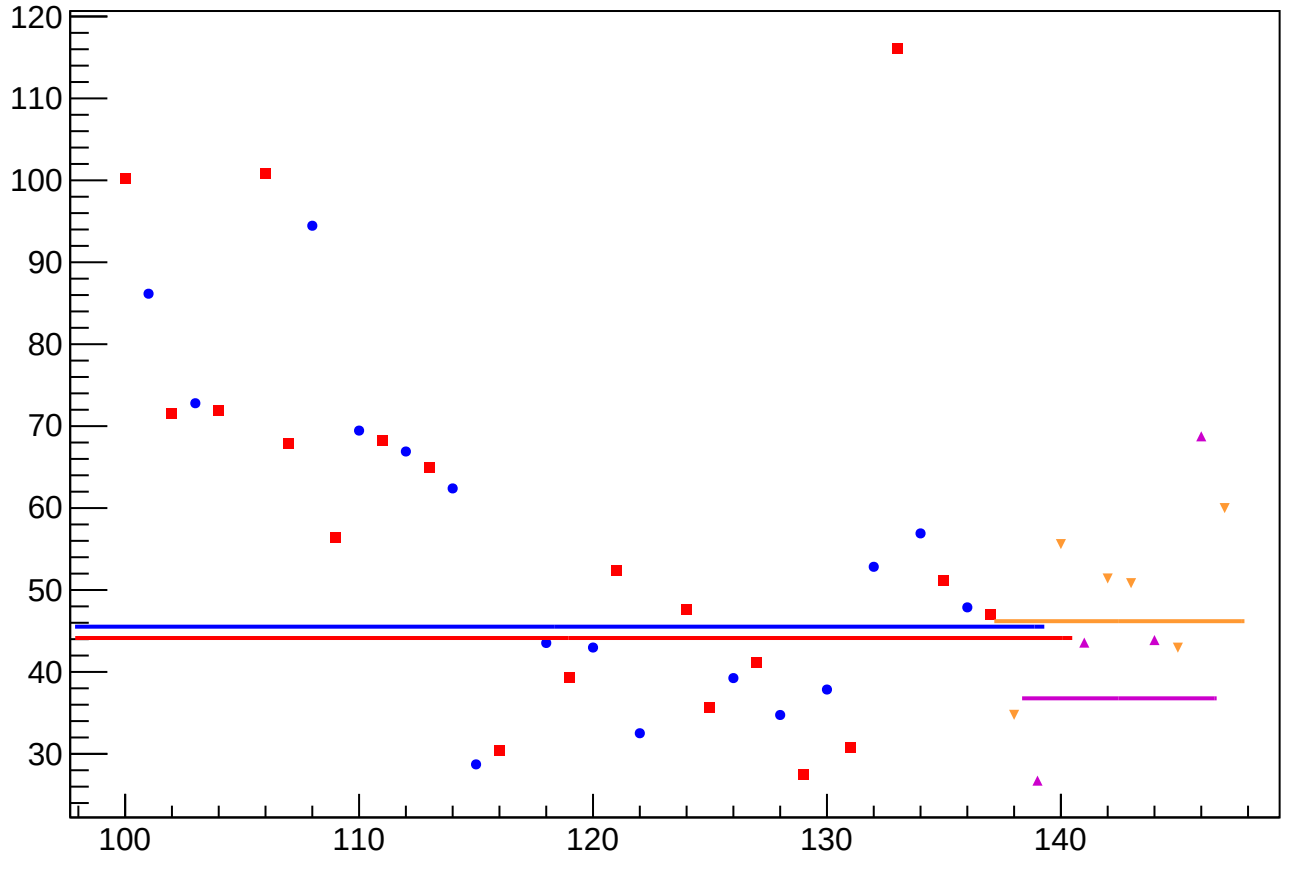
Left: 0.001+/-0.016 χ^2/NDF: 24.0/9

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.014 χ^2/NDF:25.2/19

Out: -0.015+/-0.014 χ^2/NDF:37.1/24

All: -0.005+/-0.010 χ^2/NDF: 63.1/44



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 46.193+/-0.016 χ^2/NDF:307306.4/5

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 36.778+/-0.015 χ^2/NDF:620008.5/3

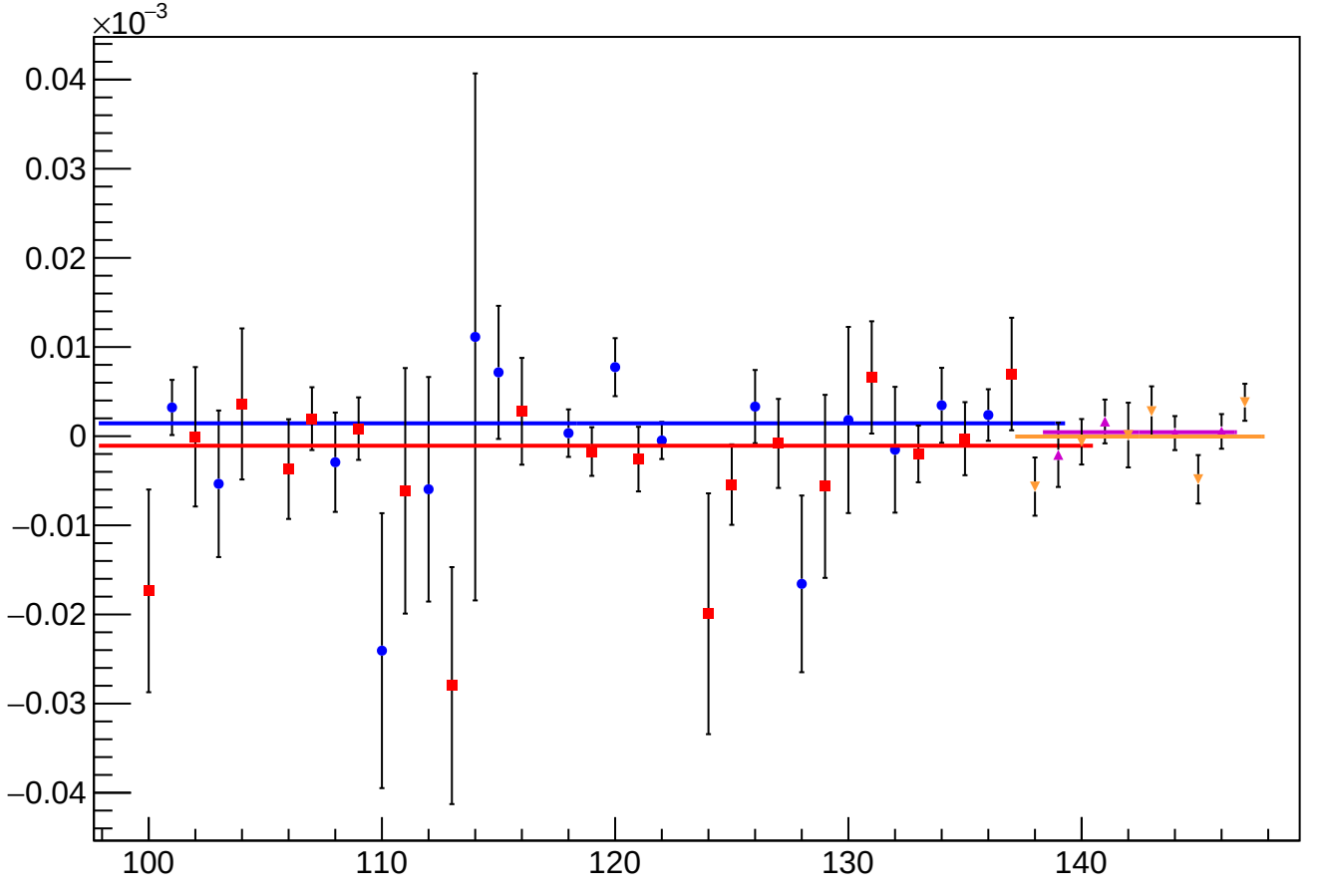
Left: 41.193+/-0.011 χ^2/NDF: 1105936.0/9

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.861+/-0.010 χ^2/NDF:2064993.7/19

Out: 44.916+/-0.010 χ^2/NDF:2060682.9/24

All: 43.373+/-0.007 χ^2/NDF: 4173056.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.7/3

Left: 0.000+/-0.000 χ^2/NDF: 11.4/9

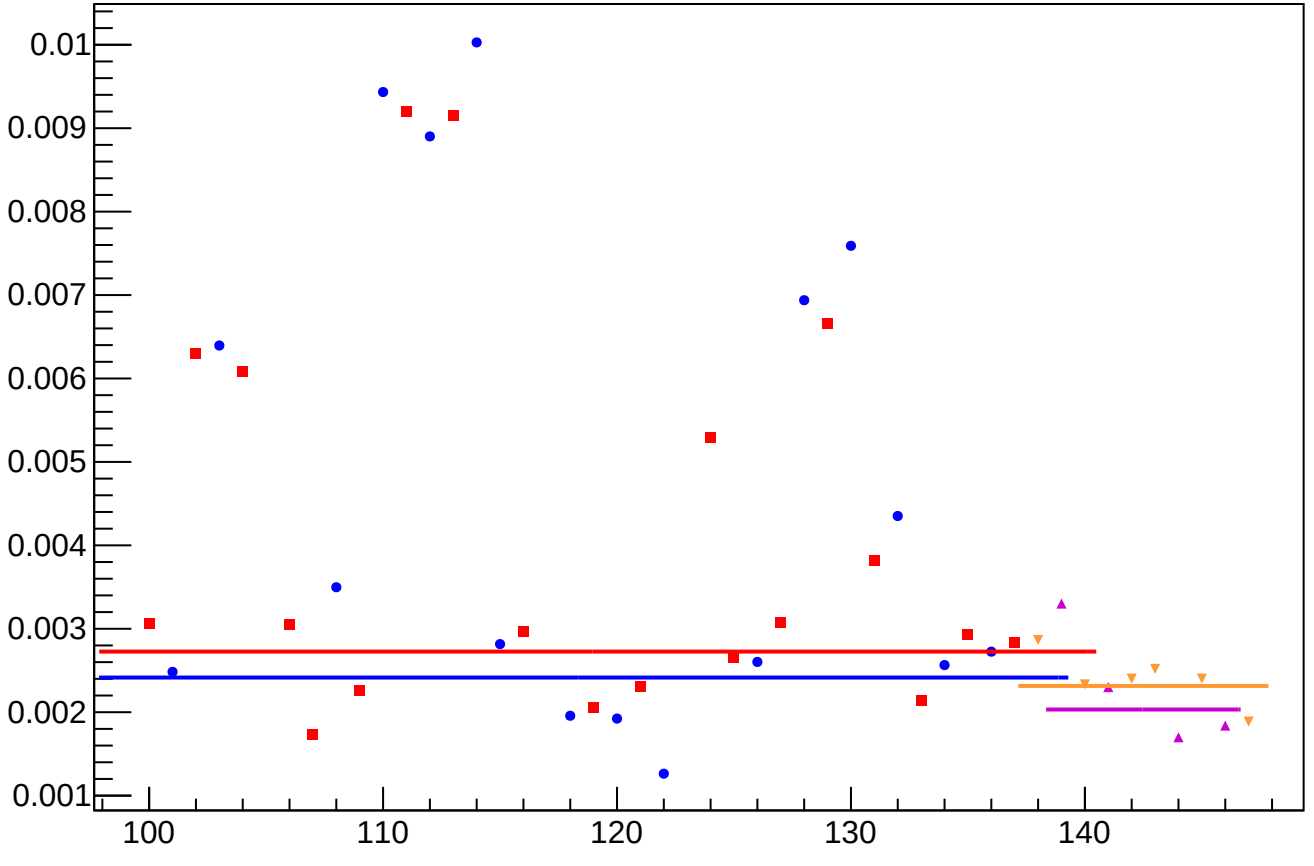
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:15.4/19

Out: -0.000+/-0.000 χ^2/NDF:25.8/24

All: 0.000+/-0.000 χ^2/NDF: 43.1/44

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:155490.4/5

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:351949.7/3

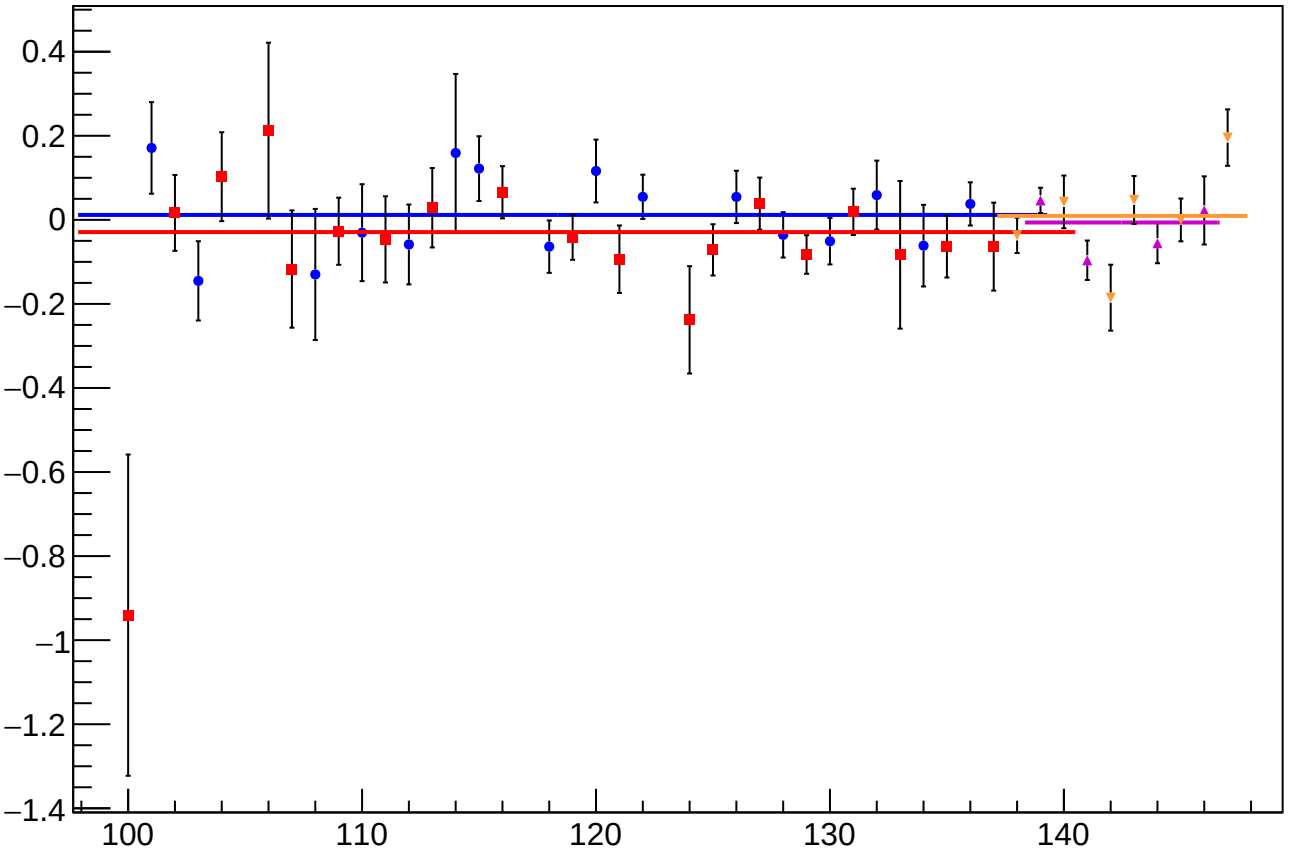
Left: 0.002+/-0.000 χ^2/NDF: 571355.7/9

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3908412.7/19

Out: 0.003+/-0.000 χ^2/NDF:2797356.1/24

All: 0.002+/-0.000 χ^2/NDF: 6833861.9/44



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.022 χ^2/NDF:7.9/3

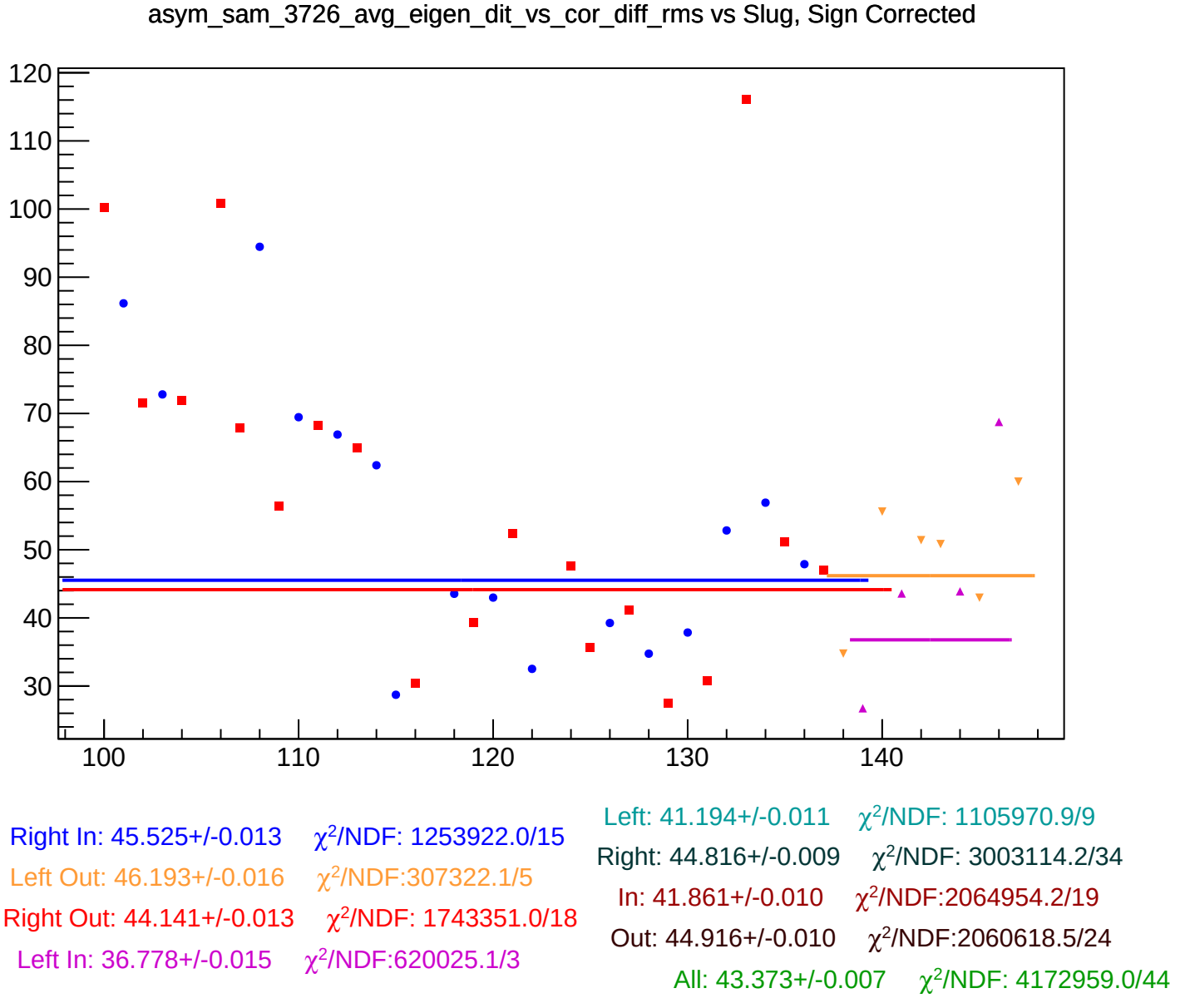
Left: 0.001+/-0.016 χ^2/NDF: 24.0/9

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

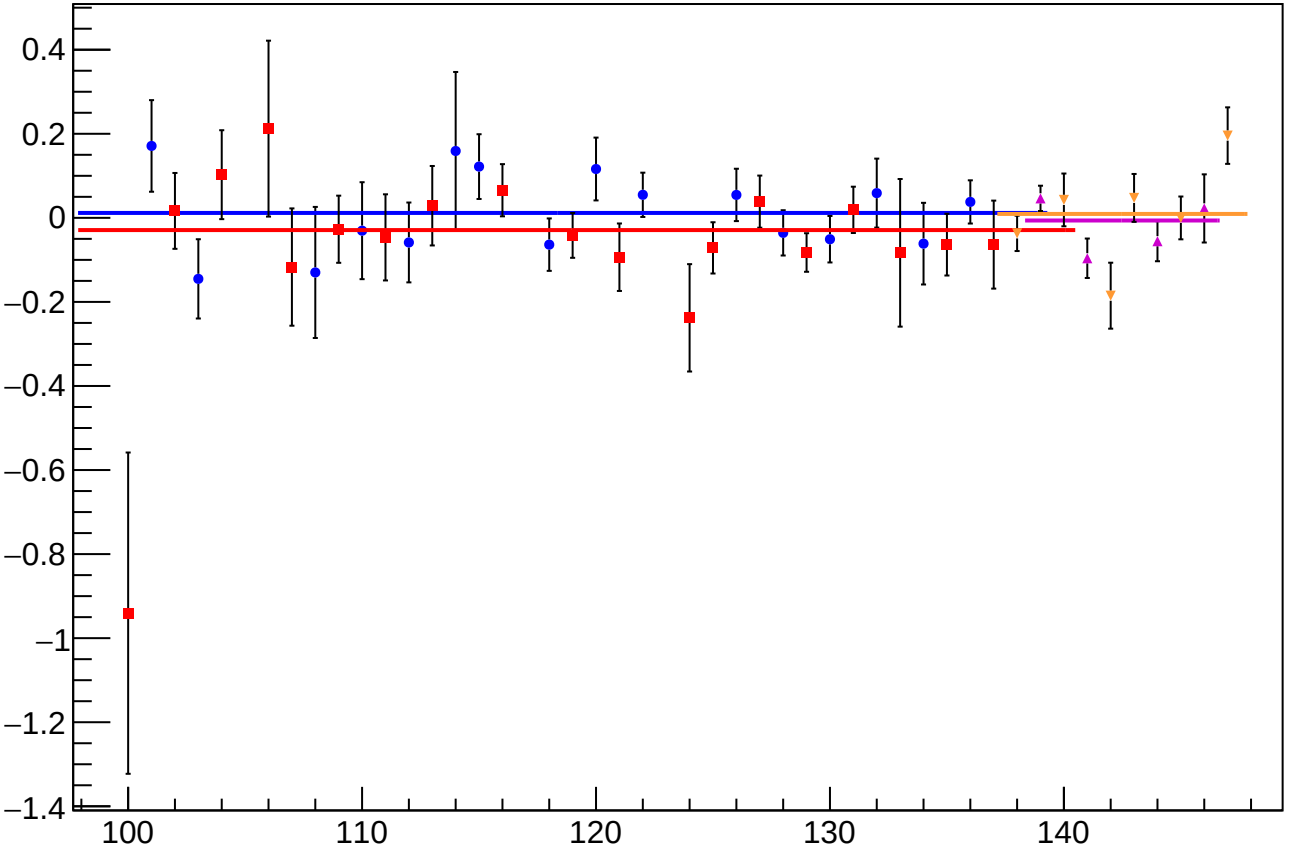
In: 0.004+/-0.014 χ^2/NDF:25.2/19

Out: -0.015+/-0.014 χ^2/NDF:37.1/24

All: -0.005+/-0.010 χ^2/NDF: 63.2/44


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
110
120
130
140
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 46.193+/-0.016 χ²/NDF:307322.1/5
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 36.778+/-0.015 χ²/NDF:620025.1/3
Left: 41.194+/-0.011 χ²/NDF: 1105970.9/9
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 41.861+/-0.010 χ²/NDF:2064954.2/19
Out: 44.916+/-0.010 χ²/NDF:2060618.5/24
All: 43.373+/-0.007 χ²/NDF: 4172959.0/44

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.009+/-0.023 χ^2/NDF:15.8/5

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.006+/-0.022 χ^2/NDF:7.9/3

Left: 0.001+/-0.016 χ^2/NDF: 24.0/9

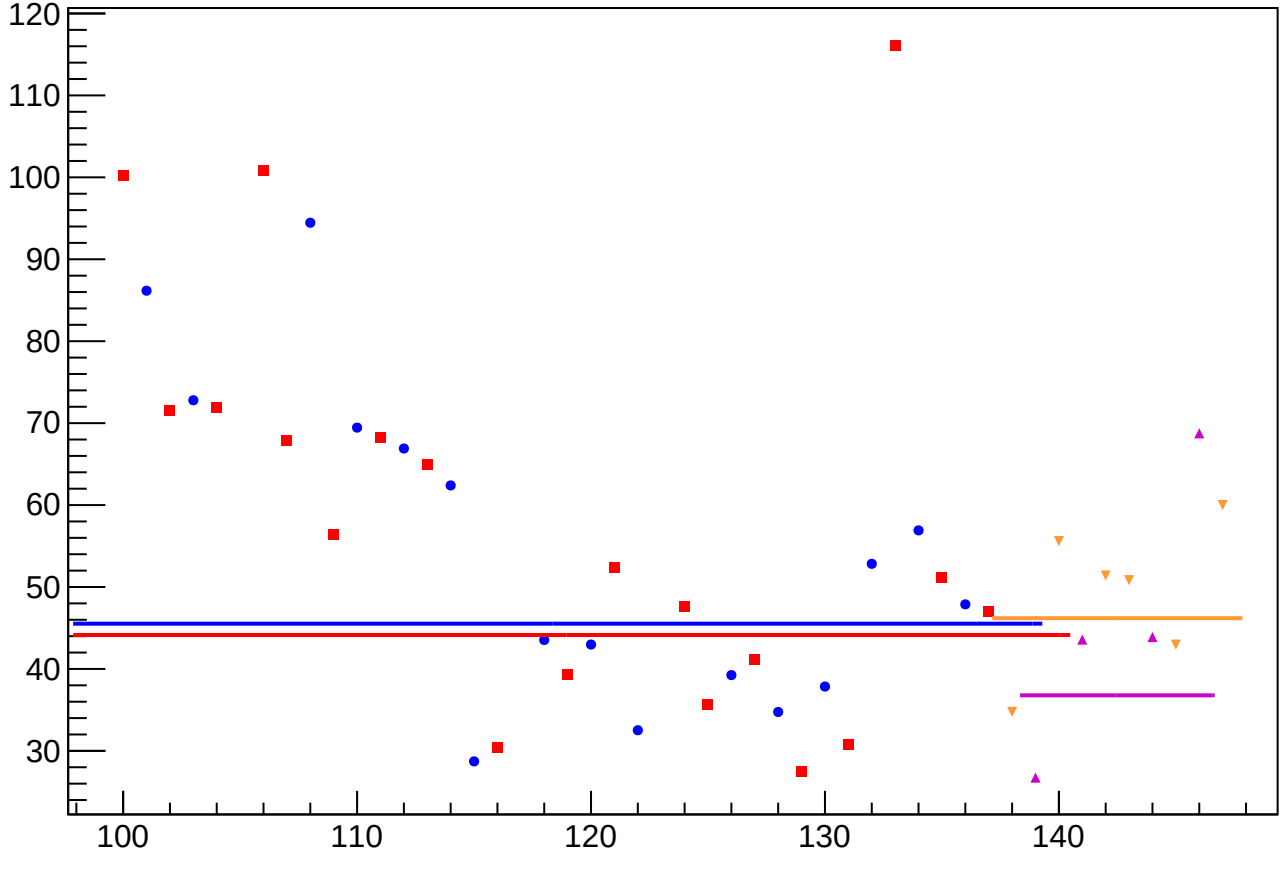
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.014 χ^2/NDF:25.2/19

Out: -0.015+/-0.014 χ^2/NDF:37.1/24

All: -0.005+/-0.010 χ^2/NDF: 63.2/44

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: 46.193+/-0.016 χ^2/NDF:307322.1/5

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 36.778+/-0.015 χ^2/NDF:620025.1/3

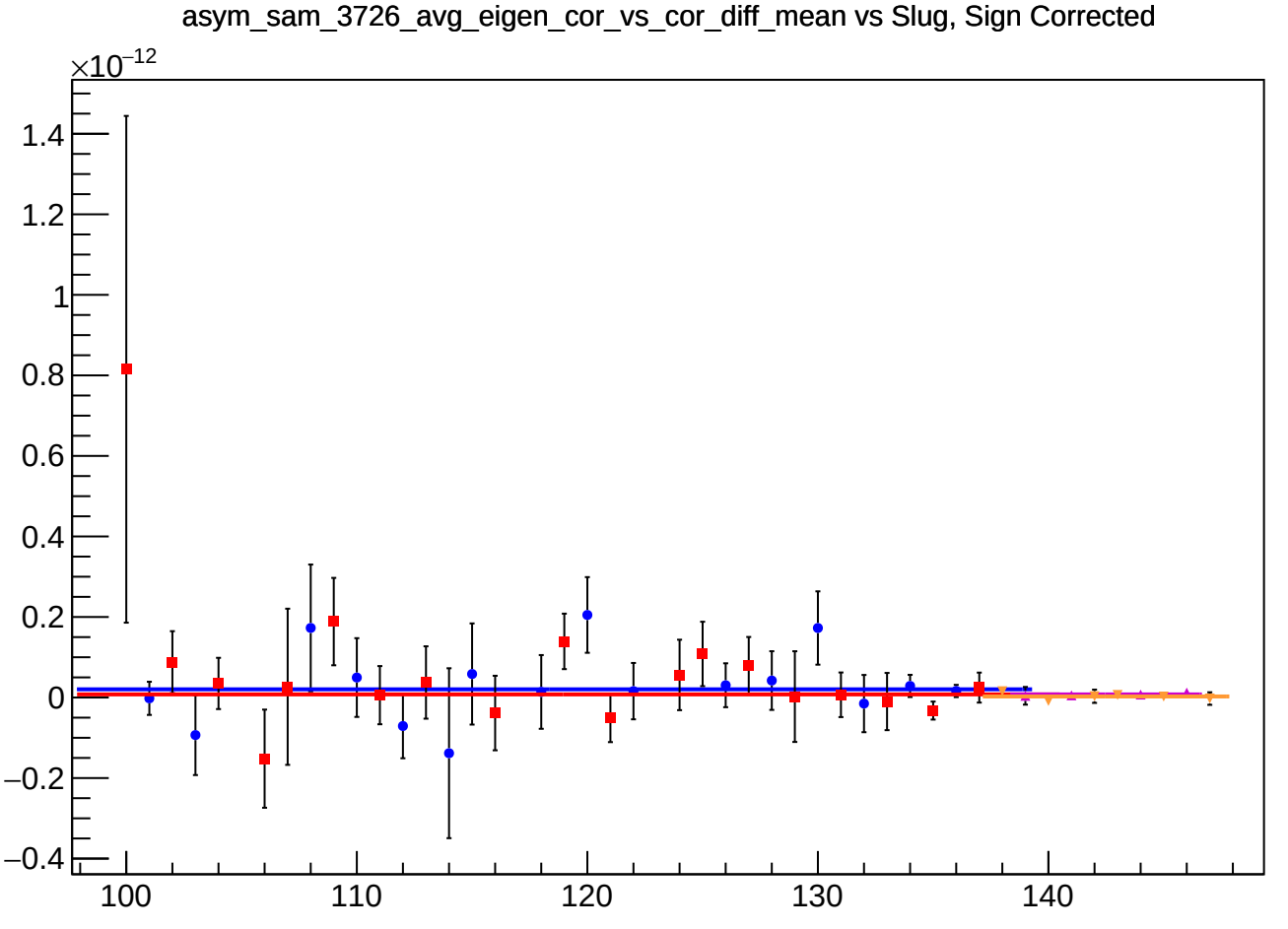
Left: 41.194+/-0.011 χ^2/NDF: 1105970.9/9

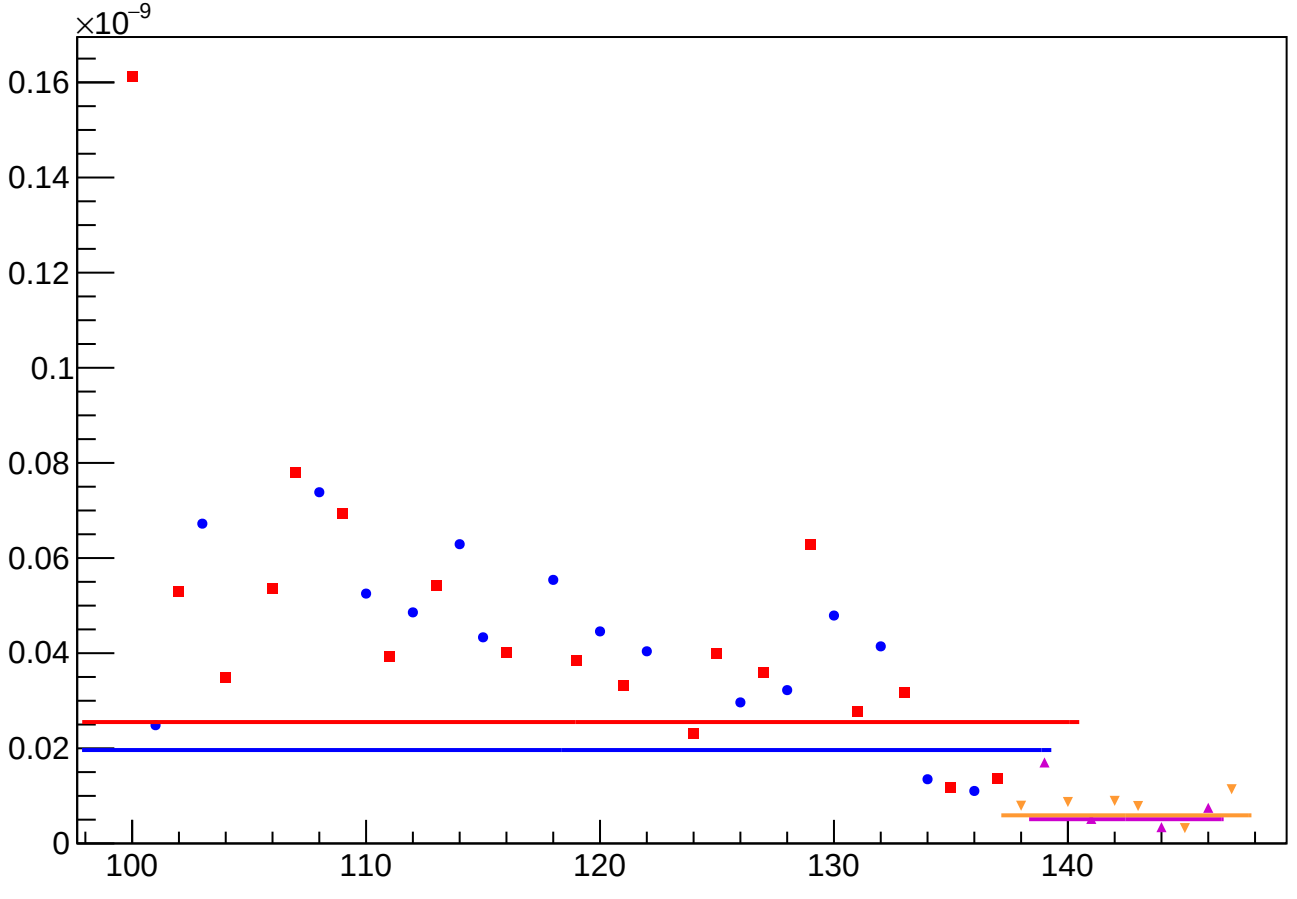
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.861+/-0.010 χ^2/NDF:2064954.2/19

Out: 44.916+/-0.010 χ^2/NDF:2060618.5/24

All: 43.373+/-0.007 χ^2/NDF: 4172959.0/44


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2.3/5
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:0.3/3
Left: 0.000+/-0.000 χ²/NDF: 3.4/9
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:13.2/19
Out: 0.000+/-0.000 χ²/NDF:21.2/24
All: 0.000+/-0.000 χ²/NDF: 35.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022566.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:874760.1/3

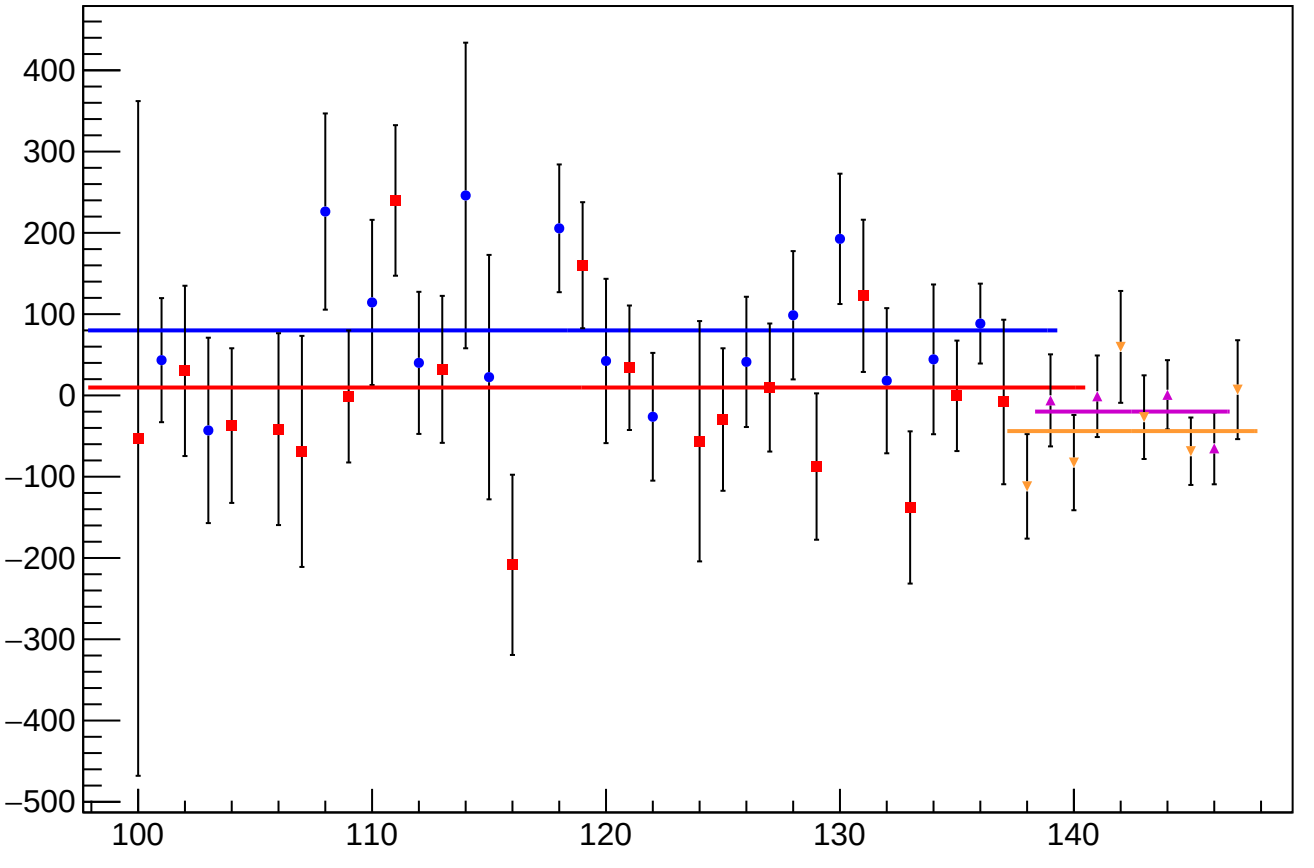
Left: 0.000+/-0.000 χ^2/NDF: 1936841.0/9

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7081736.6/19

Out: 0.000+/-0.000 χ^2/NDF:7505273.4/24

All: 0.000+/-0.000 χ^2/NDF: 14606969.7/44



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.893+/-22.515 χ^2/NDF:5.0/5

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -19.883+/-23.765 χ^2/NDF:1.5/3

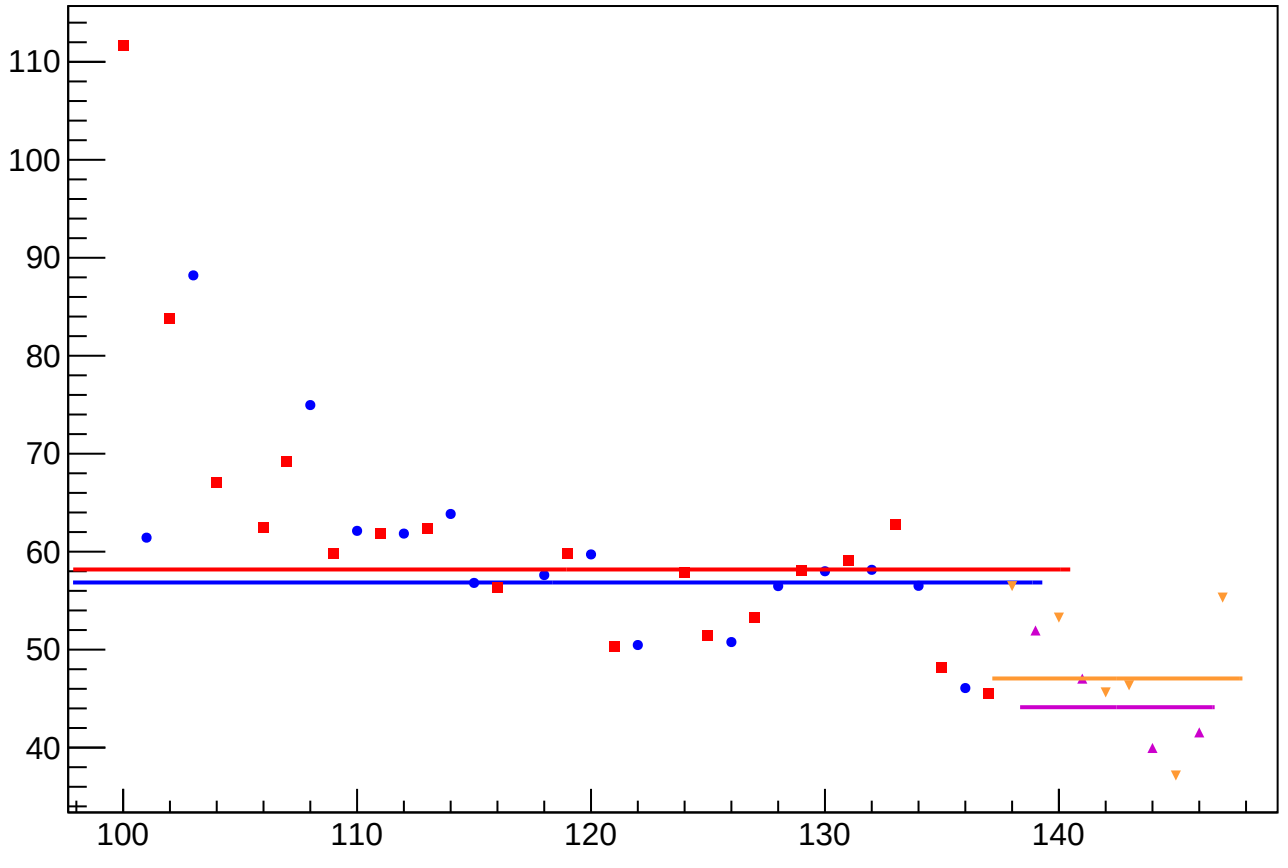
Left: -32.537+/-16.345 χ^2/NDF: 7.0/9

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 35.100+/-15.933 χ^2/NDF:22.8/19

Out: -15.992+/-15.593 χ^2/NDF:28.3/24

All: 9.003+/-11.144 χ^2/NDF: 56.3/44



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.055+/-0.016 χ^2/NDF:217467.8/5

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

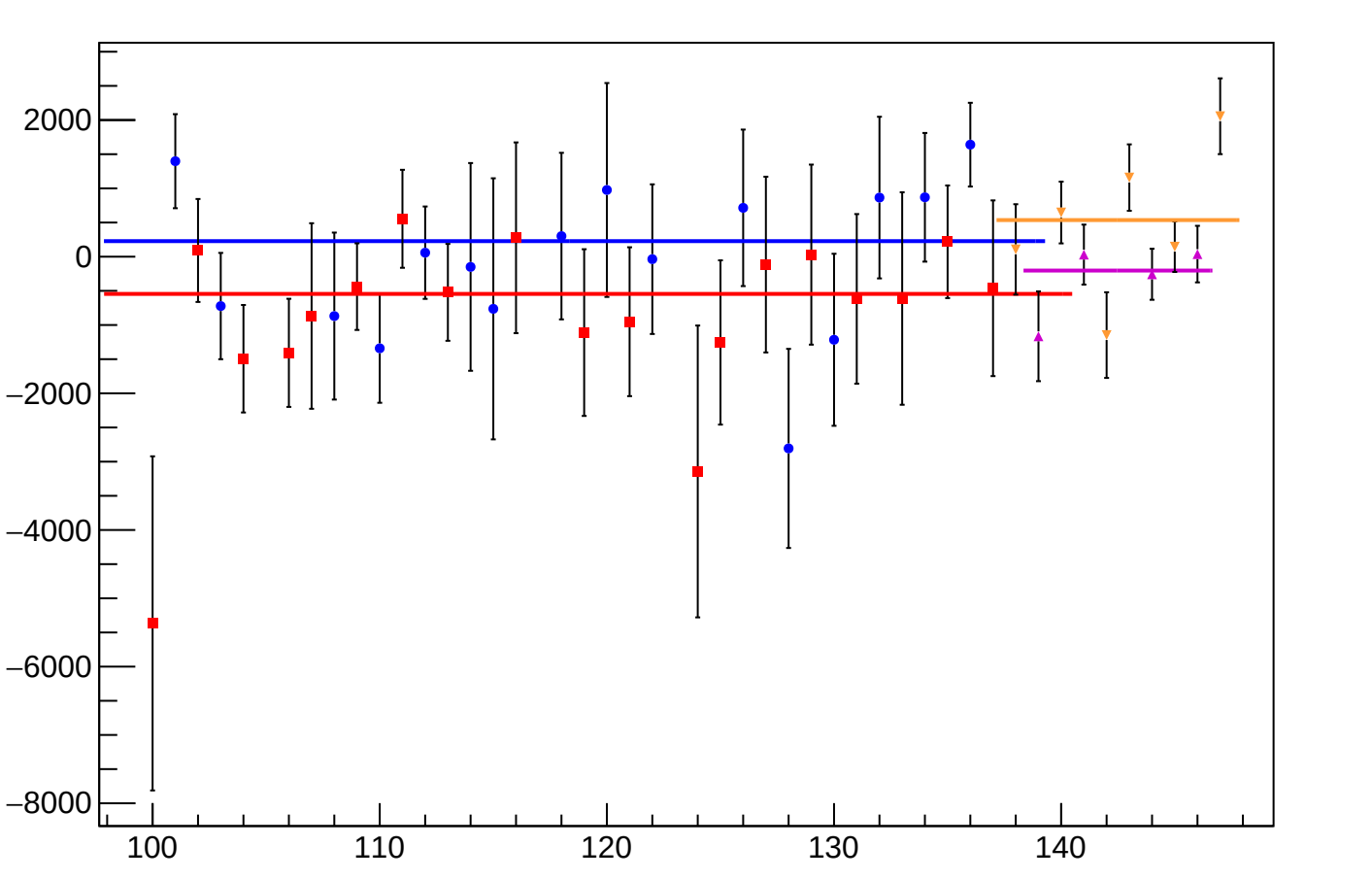
Left: 45.668+/-0.012 χ^2/NDF: 304337.4/9

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 51.132+/-0.011 χ^2/NDF:728393.2/19

Out: 52.845+/-0.011 χ^2/NDF:786255.4/24

All: 52.007+/-0.008 χ^2/NDF: 1526454.1/44



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 535.947+/-201.920 χ^2/NDF:17.9/5

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -203.061+/-220.798 χ^2/NDF:2.8/3

Left: 199.380+/-149.007 χ^2/NDF: 26.8/9

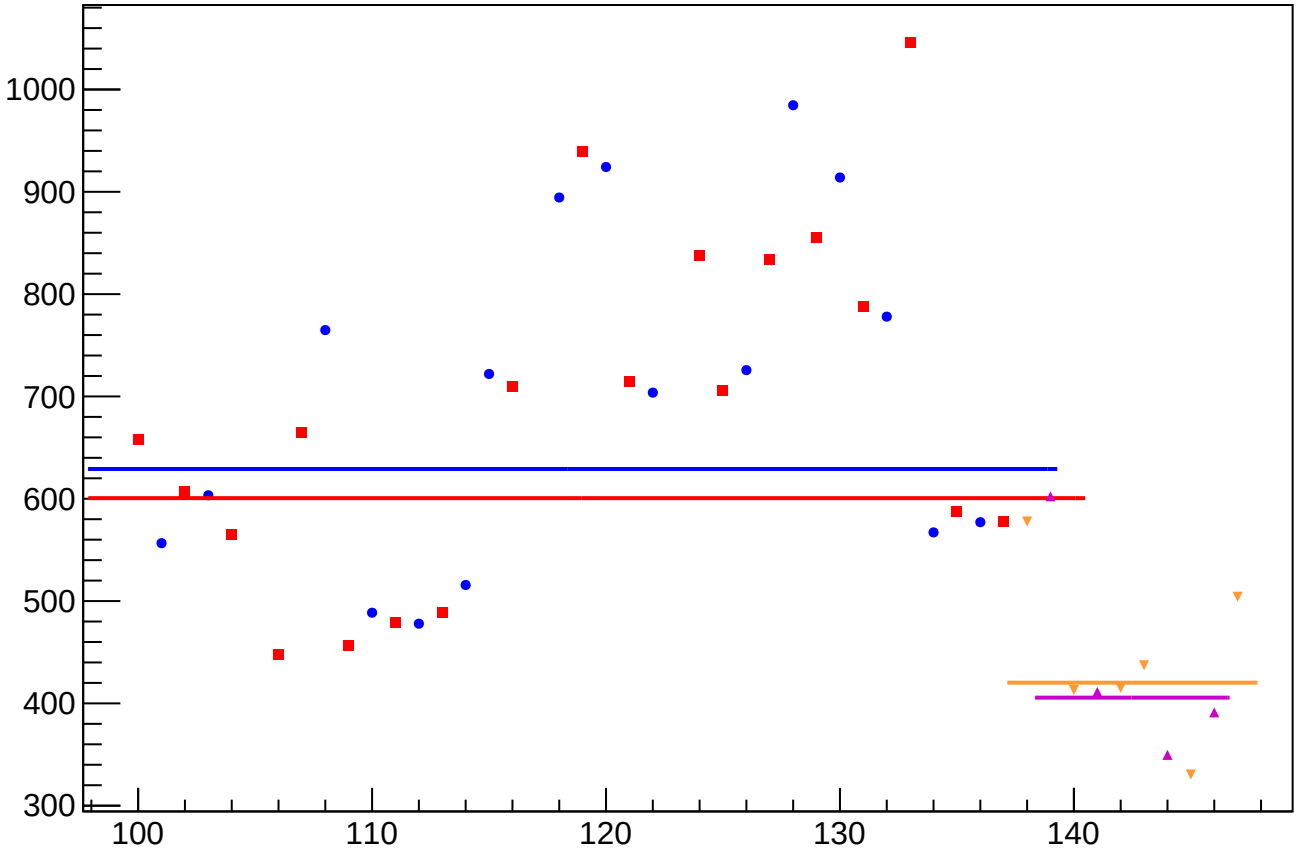
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -6.775+/-162.871 χ^2/NDF:26.2/19

Out: 59.134+/-150.941 χ^2/NDF:44.0/24

All: 28.681+/-110.709 χ^2/NDF: 70.2/44

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 420.238+/-0.143 χ^2/NDF:280181.2/5

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 405.596+/-0.156 χ^2/NDF:226970.9/3

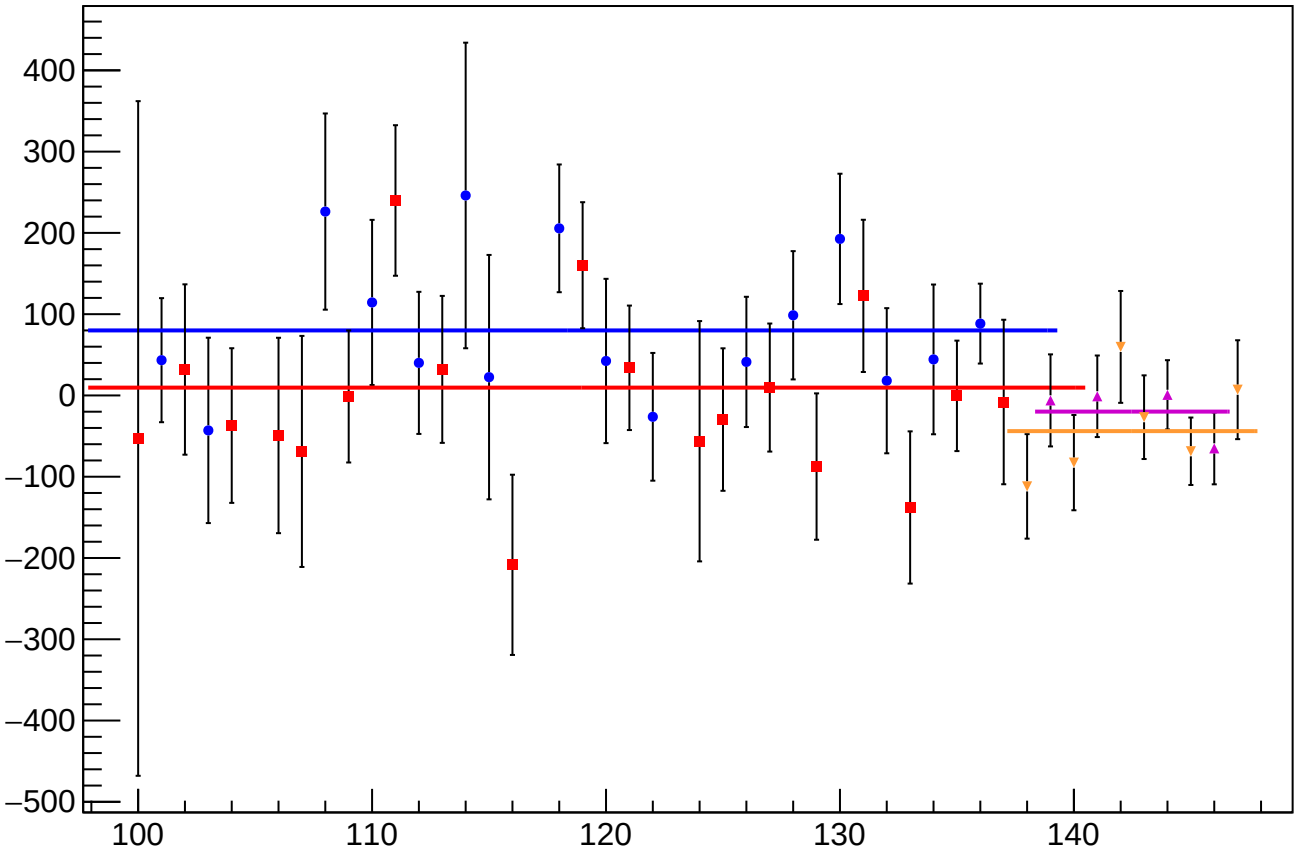
Left: 413.569+/-0.105 χ^2/NDF: 511941.6/9

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 507.484+/-0.115 χ^2/NDF:1853894.9/19

Out: 499.811+/-0.107 χ^2/NDF:1858783.1/24

All: 503.356+/-0.078 χ^2/NDF: 3715065.9/44



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.901+/-22.515 χ^2/NDF:5.0/5

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -19.889+/-23.765 χ^2/NDF:1.5/3

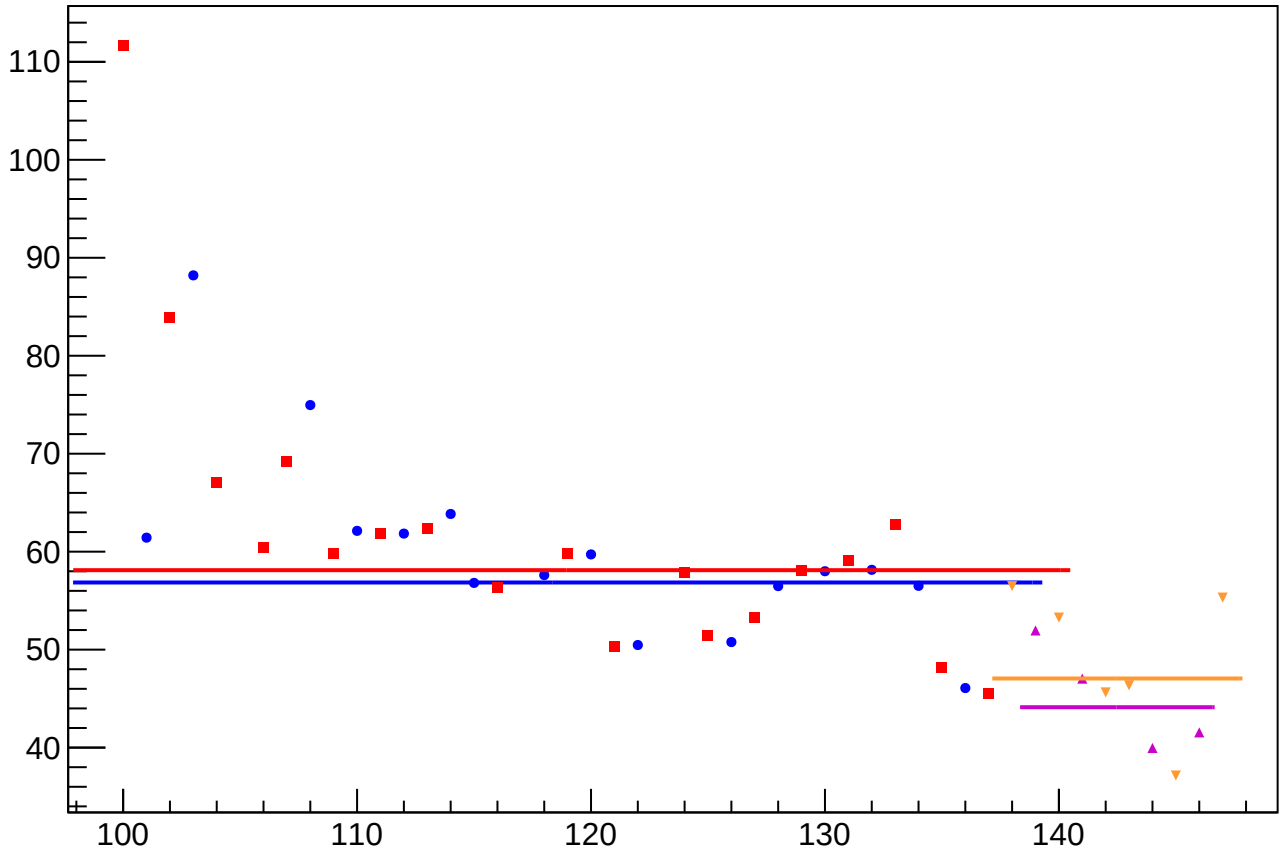
Left: -32.544+/-16.345 χ^2/NDF: 7.0/9

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 35.100+/-15.933 χ^2/NDF:22.8/19

Out: -16.070+/-15.598 χ^2/NDF:28.3/24

All: 8.971+/-11.146 χ^2/NDF: 56.4/44



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.055+/-0.016 χ^2/NDF:217467.8/5

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

Left: 45.668+/-0.012 χ^2/NDF: 304337.4/9

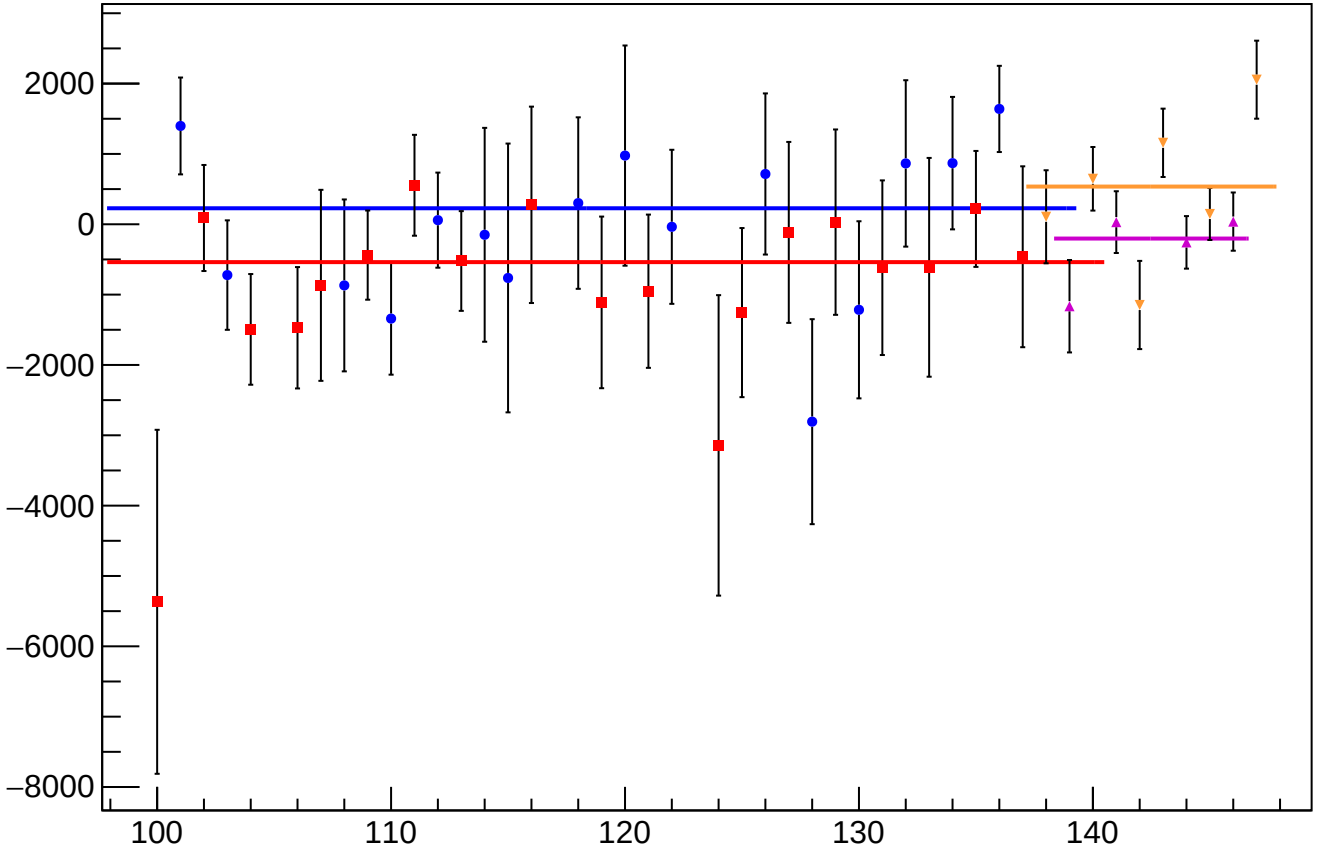
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.132+/-0.011 χ^2/NDF:728397.2/19

Out: 52.804+/-0.011 χ^2/NDF:781161.6/24

All: 51.986+/-0.008 χ^2/NDF: 1520812.1/44

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 535.939+/-201.920 χ^2/NDF:17.9/5

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -203.068+/-220.798 χ^2/NDF:2.8/3

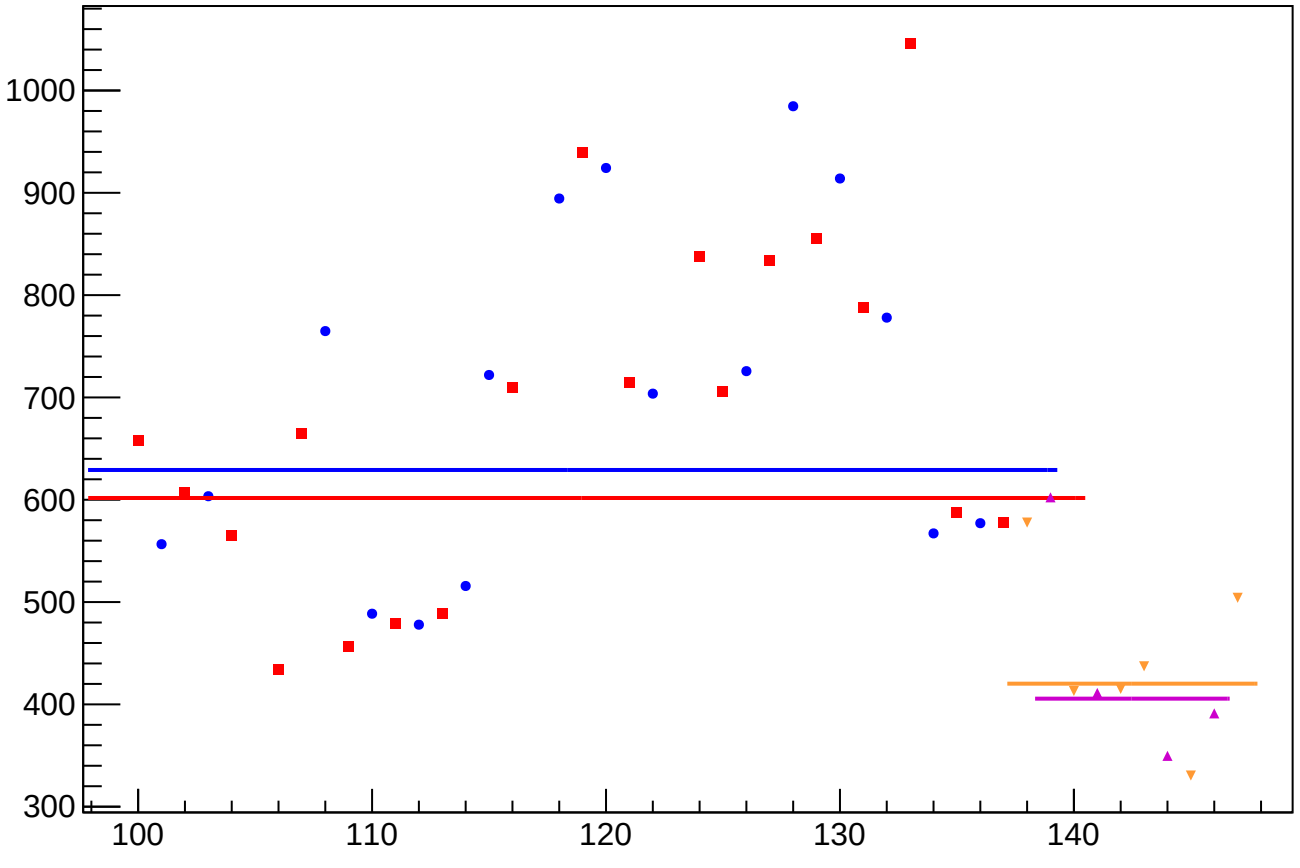
Left: 199.373+/-149.007 χ^2/NDF: 26.8/9

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -6.763+/-162.872 χ^2/NDF:26.2/19

Out: 65.573+/-151.382 χ^2/NDF:43.7/24

All: 32.046+/-110.883 χ^2/NDF: 69.9/44



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 420.237+/-0.143 χ^2/NDF:280181.4/5

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 405.596+/-0.156 χ^2/NDF:226970.2/3

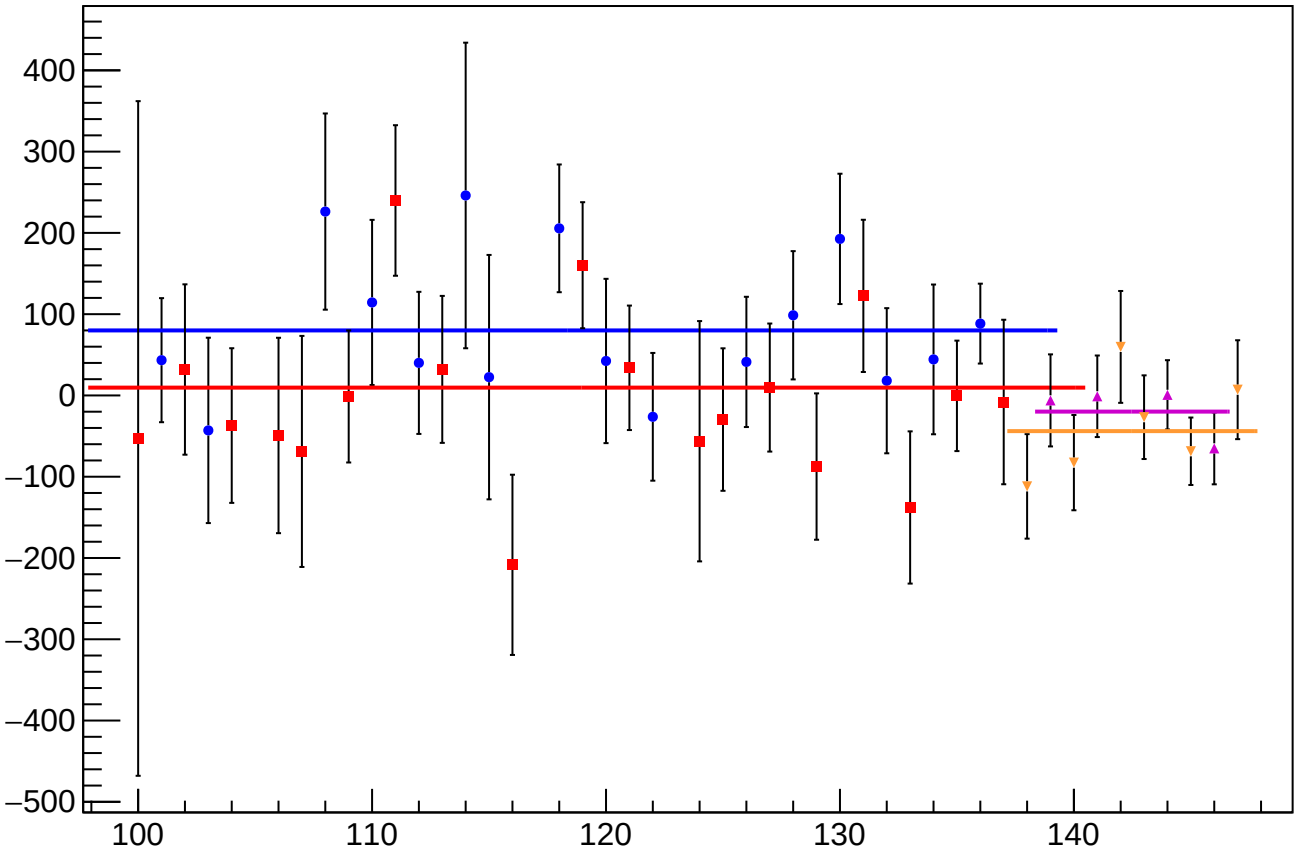
Left: 413.569+/-0.105 χ^2/NDF: 511940.8/9

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 507.485+/-0.115 χ^2/NDF:1853916.0/19

Out: 499.715+/-0.107 χ^2/NDF:1861765.2/24

All: 503.316+/-0.078 χ^2/NDF: 3718123.4/44



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -43.901+/-22.515 χ^2/NDF:5.0/5

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -19.889+/-23.765 χ^2/NDF:1.5/3

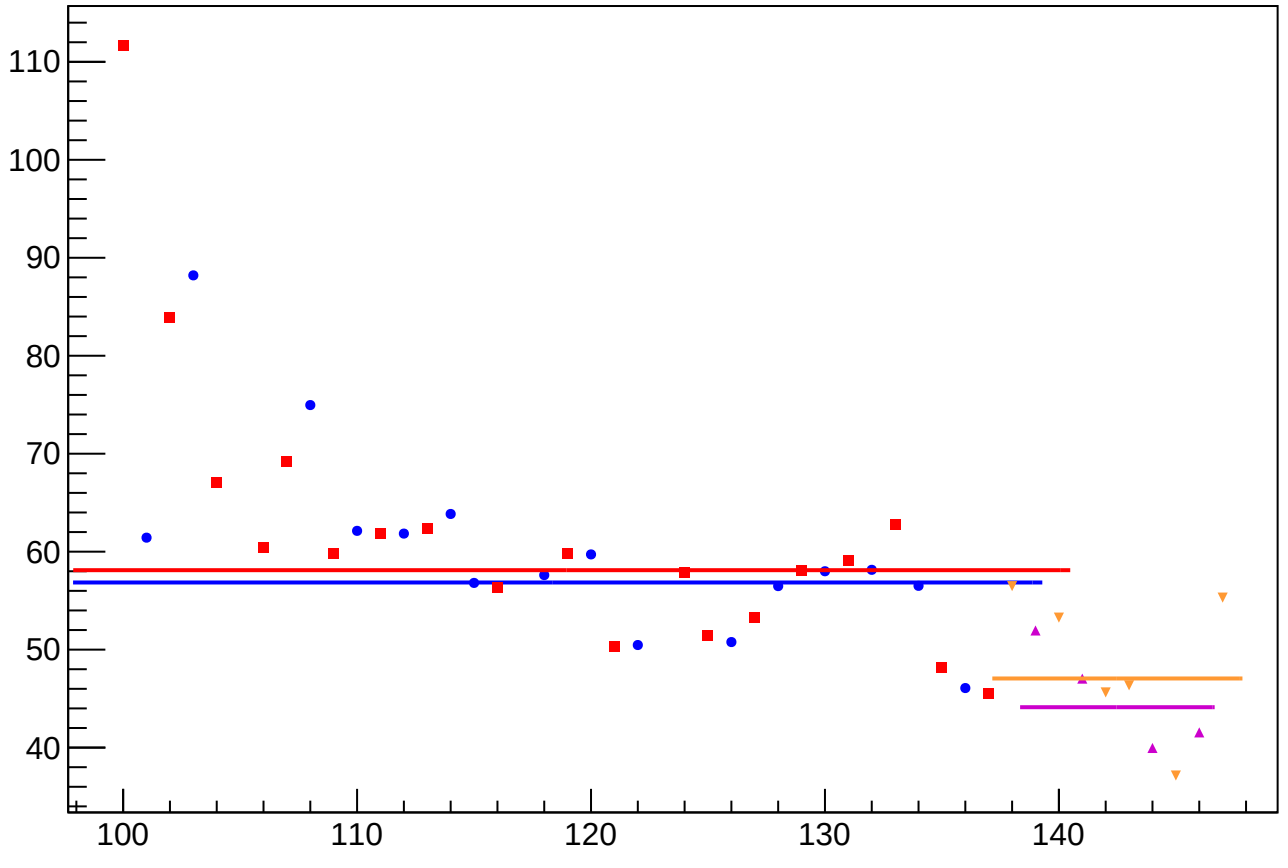
Left: -32.544+/-16.345 χ^2/NDF: 7.0/9

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 35.100+/-15.933 χ^2/NDF:22.8/19

Out: -16.070+/-15.598 χ^2/NDF:28.3/24

All: 8.971+/-11.146 χ^2/NDF: 56.4/44



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.055+/-0.016 χ^2/NDF:217467.8/5

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 44.123+/-0.017 χ^2/NDF:70821.6/3

Left: 45.668+/-0.012 χ^2/NDF: 304337.4/9

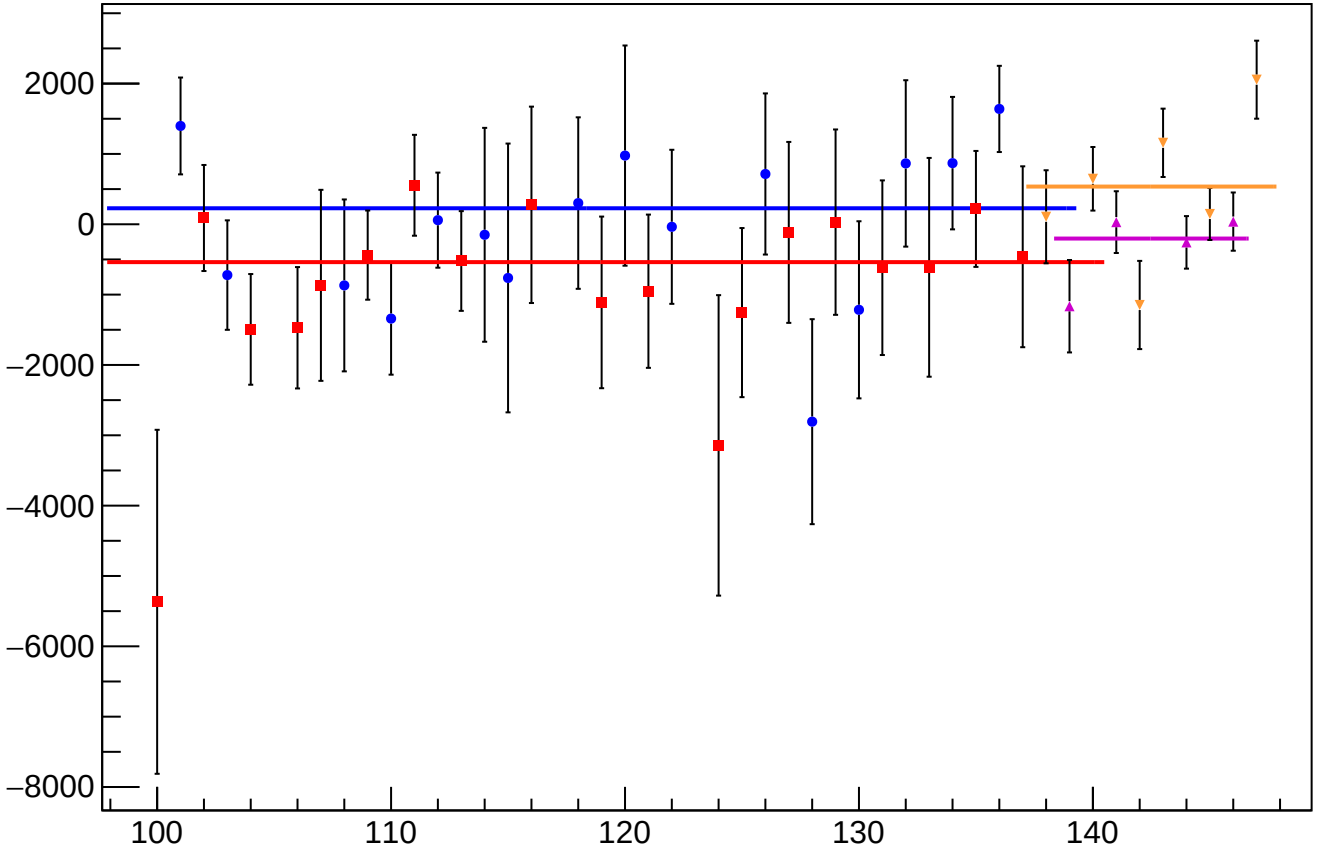
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.132+/-0.011 χ^2/NDF:728397.2/19

Out: 52.804+/-0.011 χ^2/NDF:781161.6/24

All: 51.986+/-0.008 χ^2/NDF: 1520812.1/44

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: 535.939+/-201.920 χ^2/NDF:17.9/5

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -203.068+/-220.798 χ^2/NDF:2.8/3

Left: 199.373+/-149.007 χ^2/NDF: 26.8/9

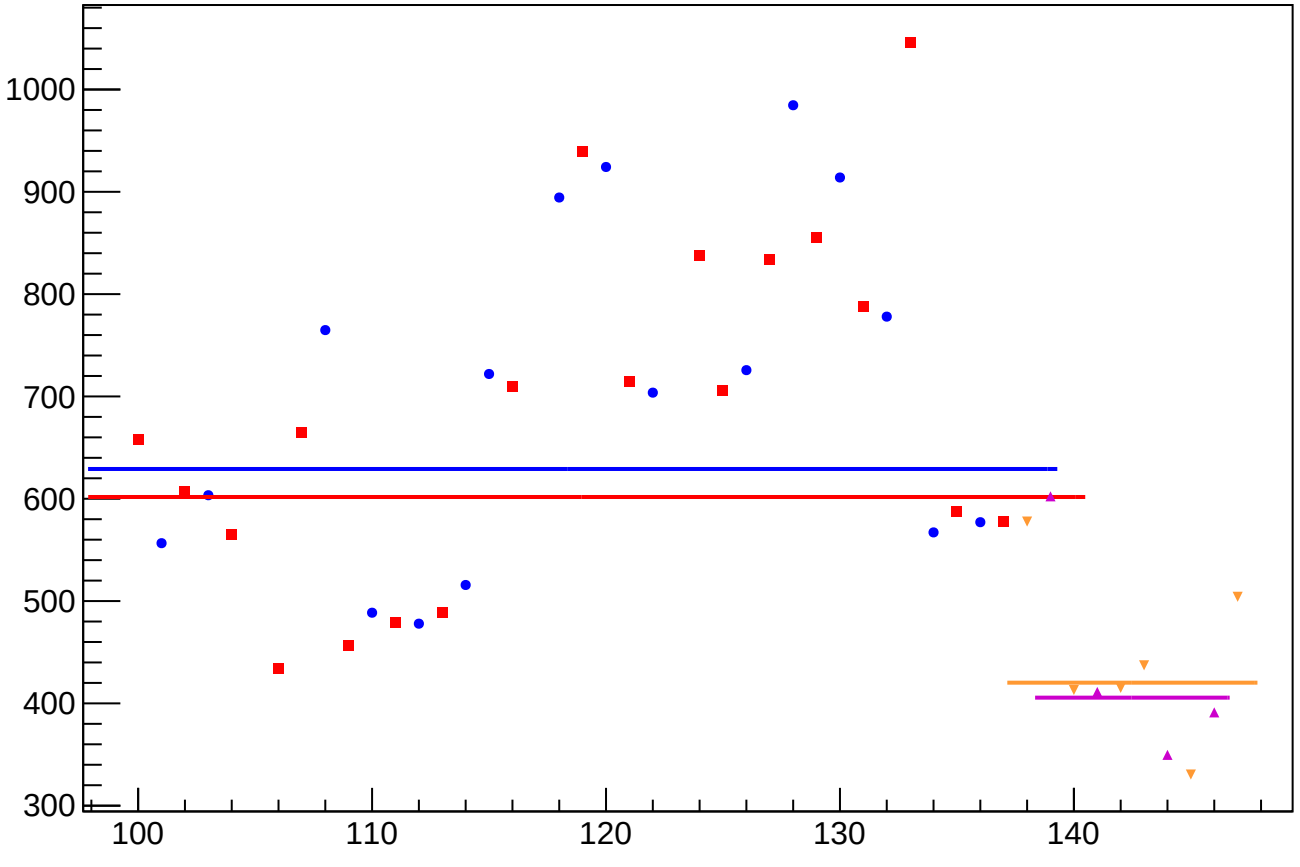
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -6.763+/-162.872 χ^2/NDF:26.2/19

Out: 65.573+/-151.382 χ^2/NDF:43.7/24

All: 32.046+/-110.883 χ^2/NDF: 69.9/44

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 420.237+/-0.143 χ^2/NDF:280181.4/5

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 405.596+/-0.156 χ^2/NDF:226970.2/3

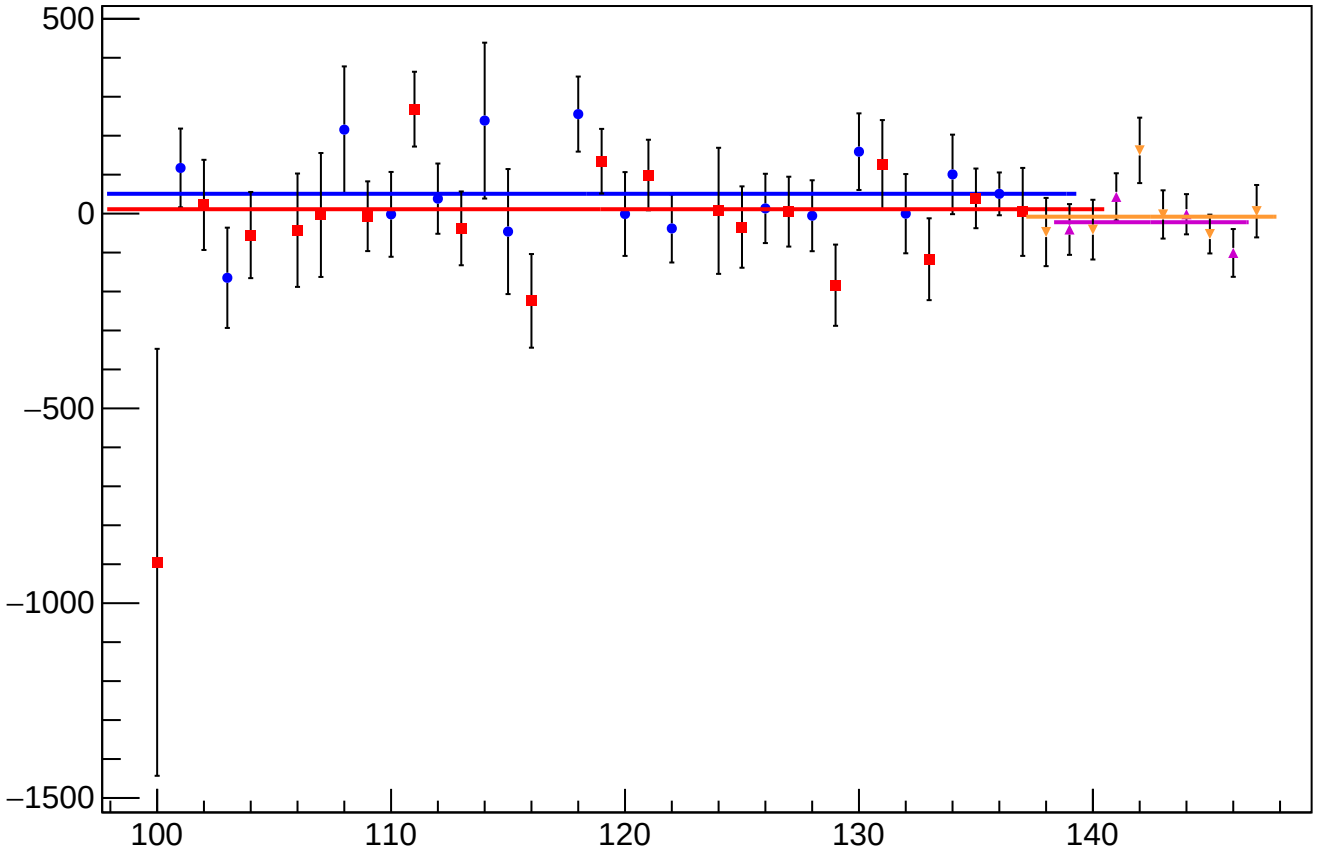
Left: 413.569+/-0.105 χ^2/NDF: 511940.8/9

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 507.485+/-0.115 χ^2/NDF:1853916.0/19

Out: 499.715+/-0.107 χ^2/NDF:1861765.2/24

All: 503.316+/-0.078 χ^2/NDF: 3718123.4/44



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.926+/-27.451 χ^2/NDF:5.3/5

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -22.110+/-29.511 χ^2/NDF:3.0/3

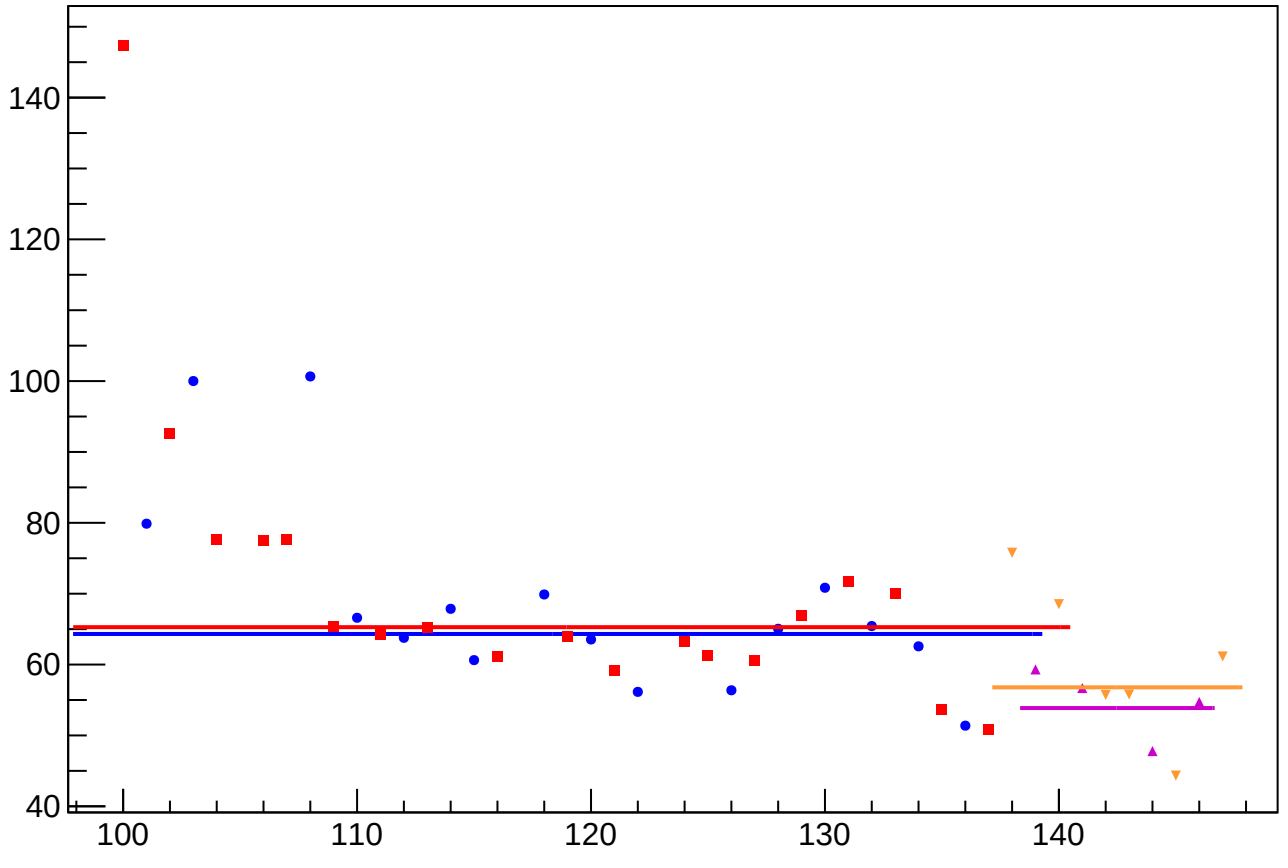
Left: -14.506+/-20.100 χ^2/NDF: 8.5/9

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 21.099+/-18.847 χ^2/NDF:20.5/19

Out: 2.822+/-18.205 χ^2/NDF:29.6/24

All: 11.644+/-13.094 χ^2/NDF: 50.6/44



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.789+/-0.019 χ^2/NDF:275088.2/5

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 53.864+/-0.021 χ^2/NDF:46400.9/3

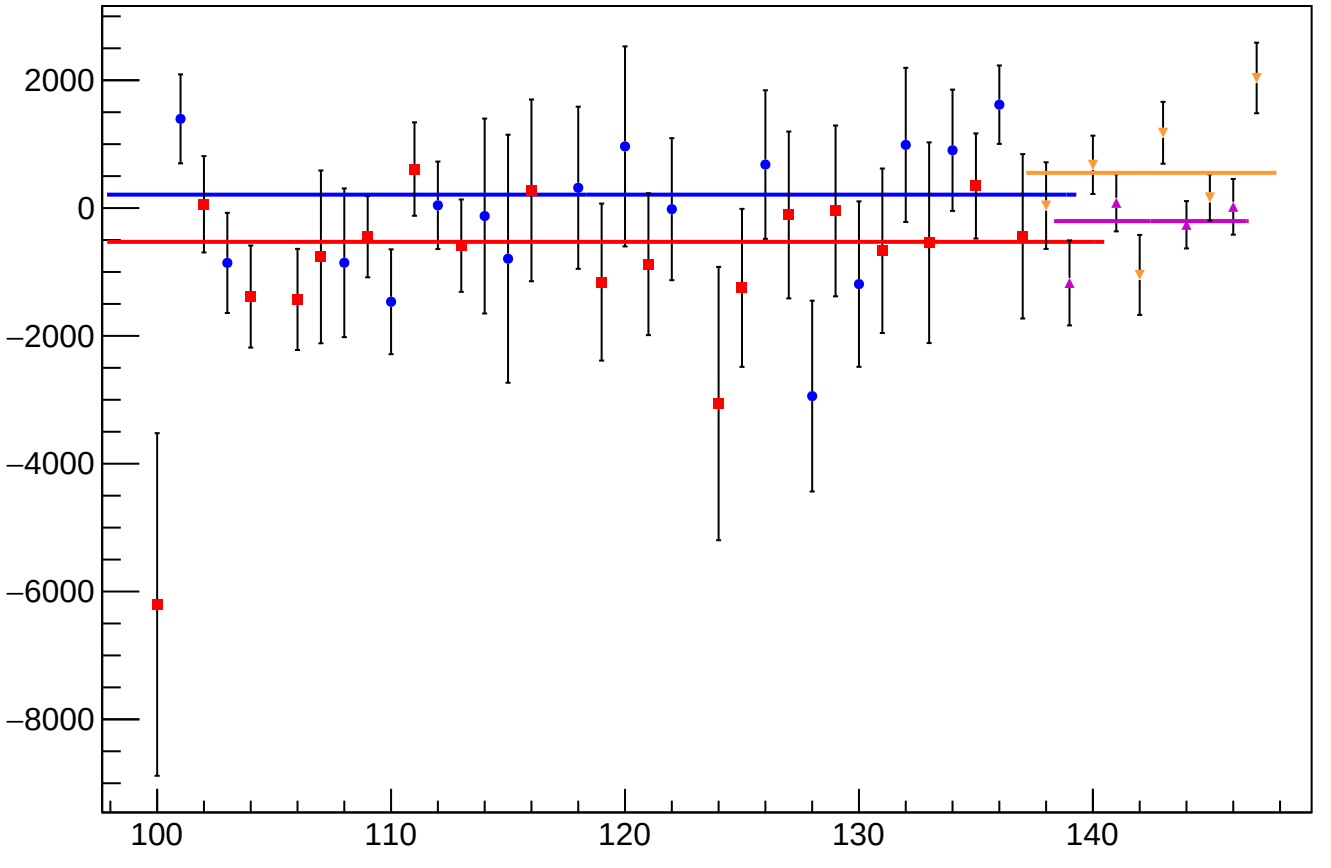
Left: 55.432+/-0.014 χ^2/NDF: 332021.7/9

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 60.053+/-0.013 χ^2/NDF:659941.0/19

Out: 61.544+/-0.013 χ^2/NDF:701360.6/24

All: 60.824+/-0.009 χ^2/NDF: 1367770.5/44



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 551.348+/-201.096 χ^2/NDF:17.2/5

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -203.735+/-224.625 χ^2/NDF:2.8/3

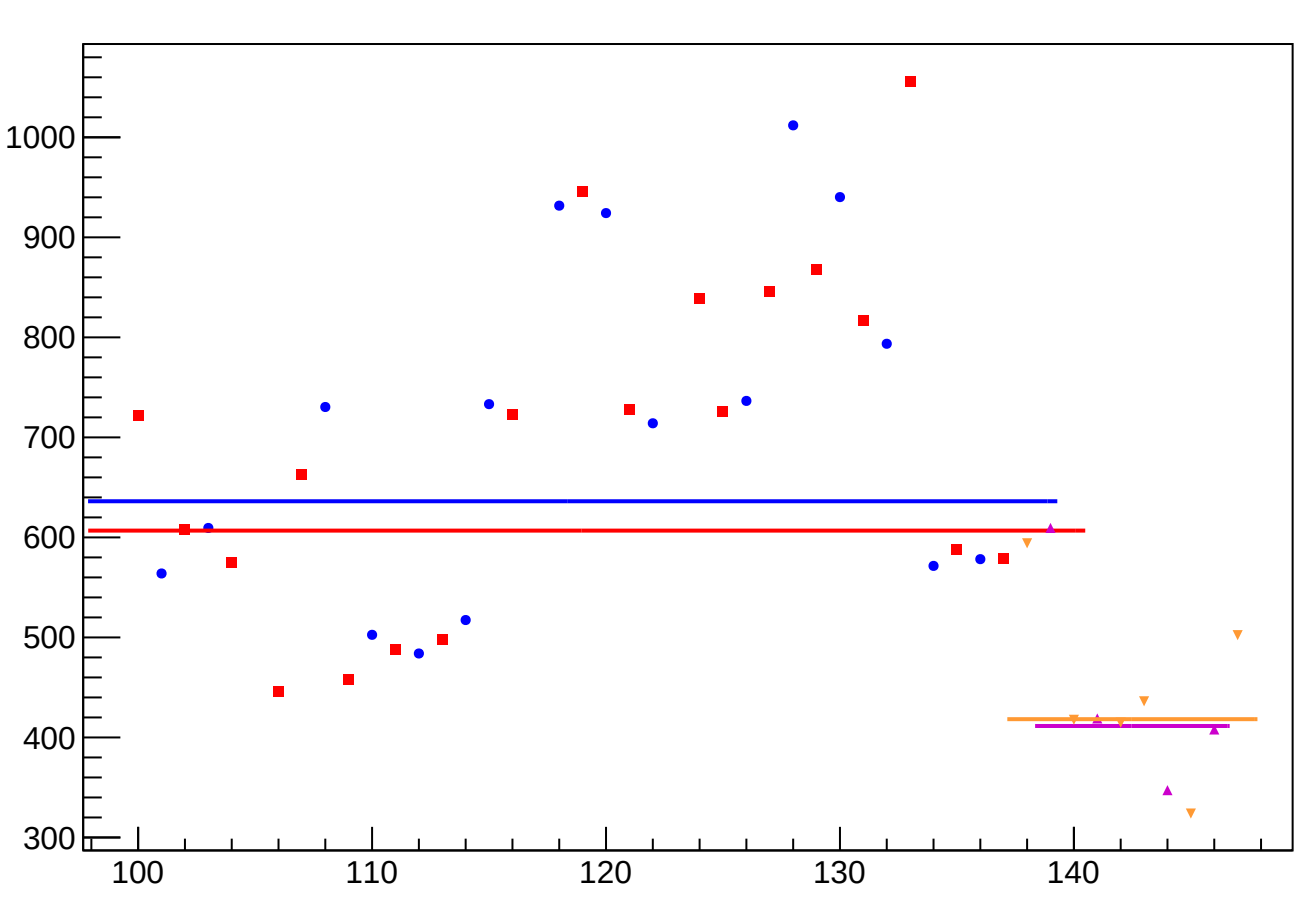
Left: 215.412+/-149.827 χ^2/NDF: 26.3/9

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -13.766+/-165.197 χ^2/NDF:26.8/19

Out: 82.684+/-151.299 χ^2/NDF:43.5/24

All: 38.686+/-111.575 χ^2/NDF: 70.5/44



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 418.277+/-0.142 χ^2/NDF:319903.5/5

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 411.465+/-0.159 χ^2/NDF:238057.8/3

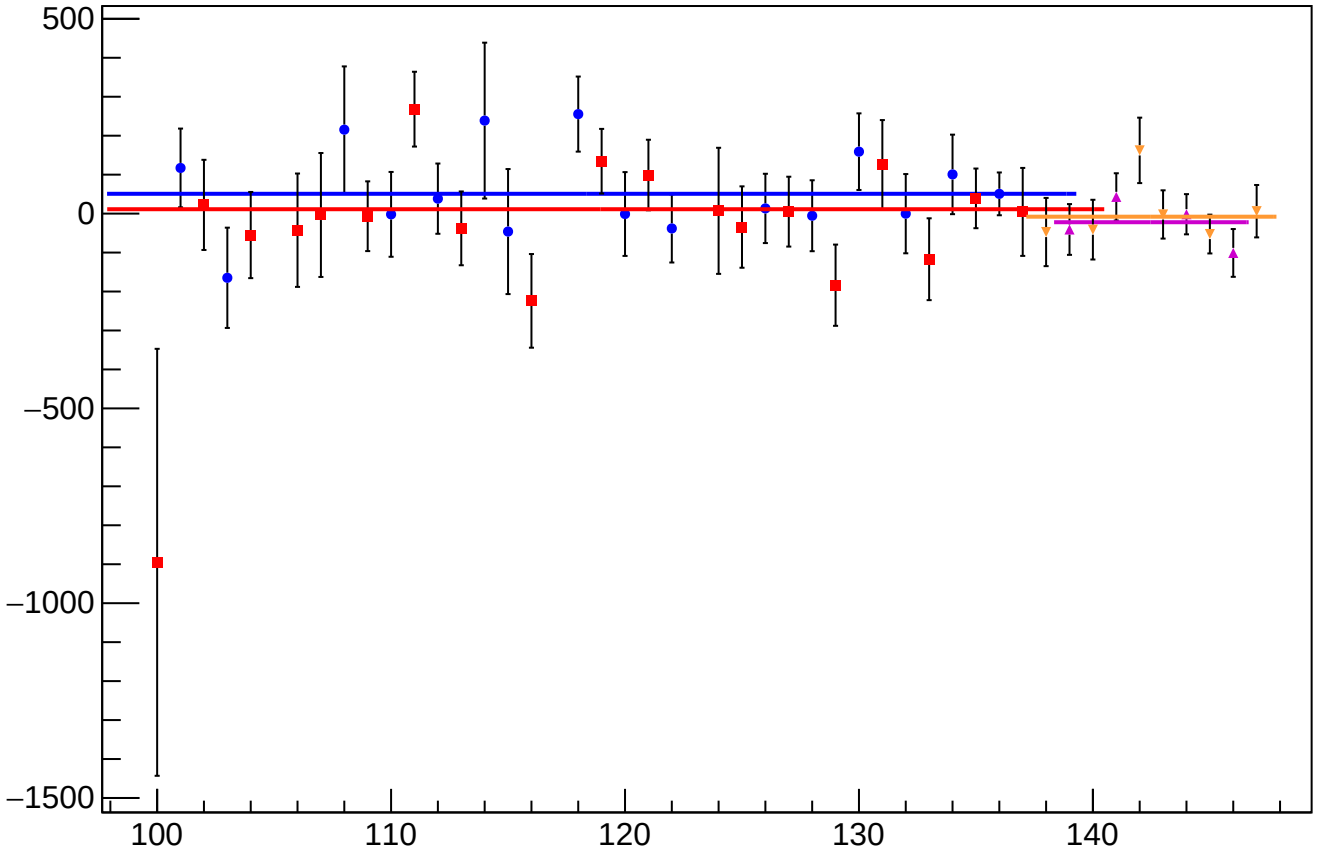
Left: 415.246+/-0.106 χ^2/NDF: 558982.3/9

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 514.624+/-0.117 χ^2/NDF:1862018.9/19

Out: 500.085+/-0.107 χ^2/NDF:1976556.3/24

All: 506.717+/-0.079 χ^2/NDF: 3846999.0/44



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.925+/-27.451 χ^2/NDF:5.3/5

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -22.109+/-29.511 χ^2/NDF:3.0/3

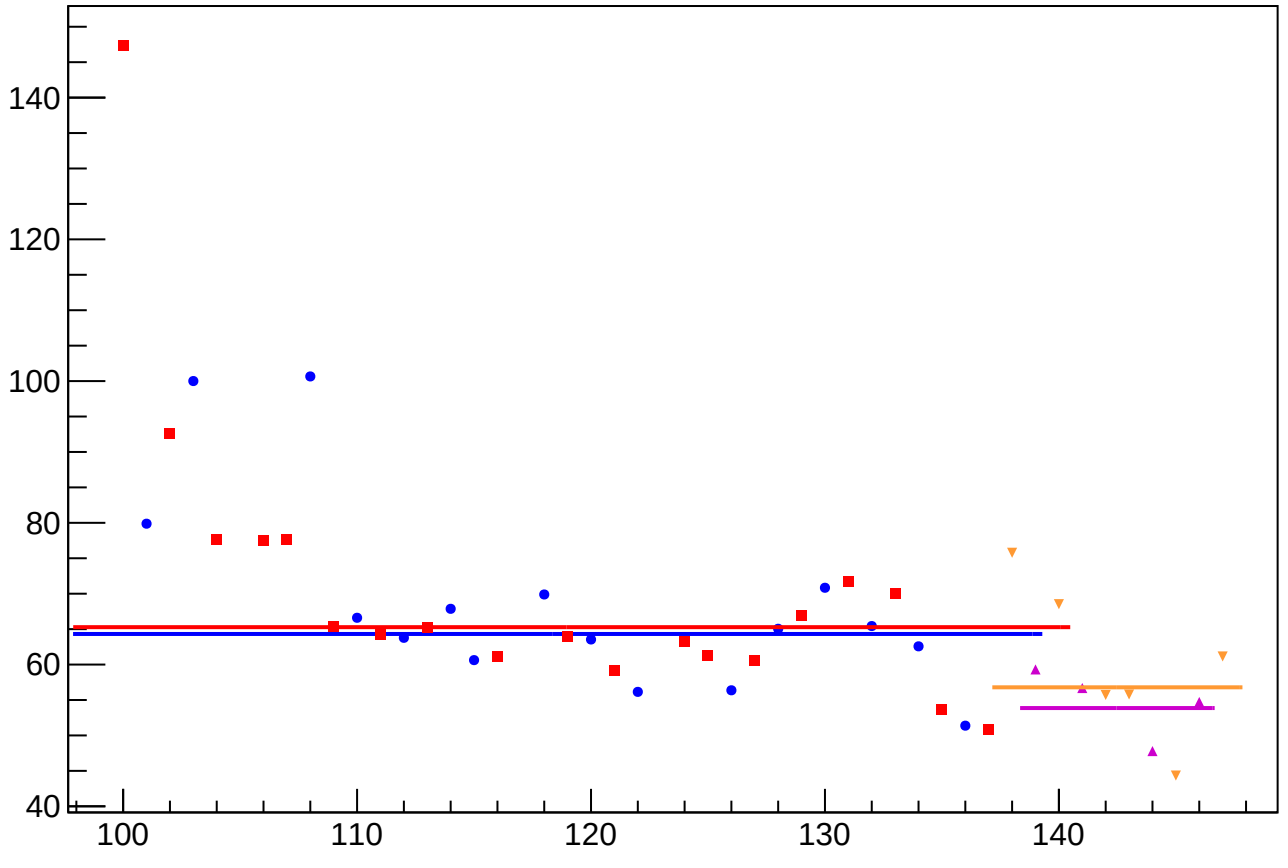
Left: -14.505+/-20.100 χ^2/NDF: 8.5/9

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 21.098+/-18.847 χ^2/NDF:20.5/19

Out: 2.822+/-18.205 χ^2/NDF:29.6/24

All: 11.644+/-13.094 χ^2/NDF: 50.6/44



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.789+/-0.019 χ^2/NDF:275074.2/5

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 53.864+/-0.021 χ^2/NDF:46397.1/3

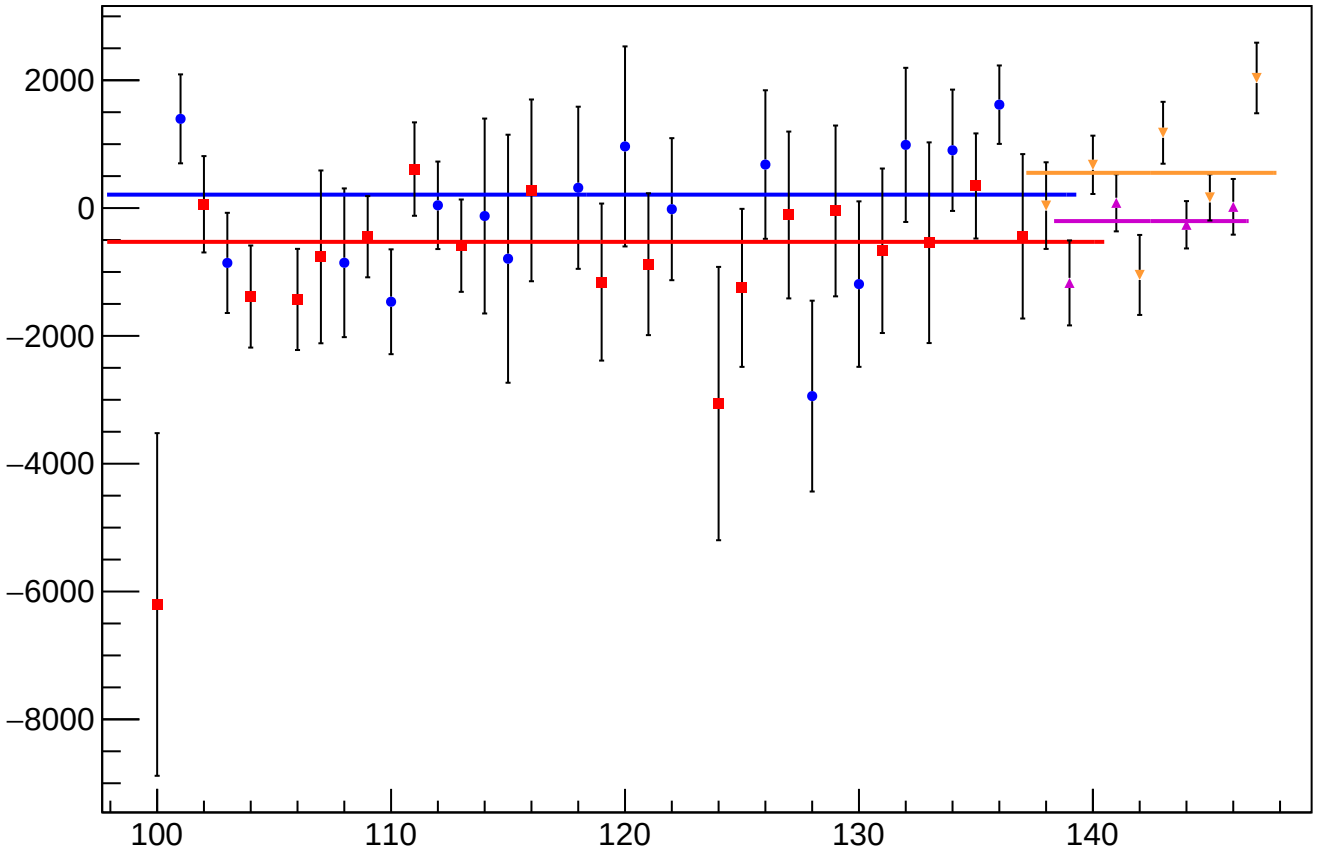
Left: 55.432+/-0.014 χ^2/NDF: 332004.6/9

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 60.053+/-0.013 χ^2/NDF:659931.0/19

Out: 61.544+/-0.013 χ^2/NDF:701342.0/24

All: 60.824+/-0.009 χ^2/NDF: 1367742.2/44



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 551.347+/-201.096 χ^2/NDF:17.2/5

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -203.735+/-224.625 χ^2/NDF:2.8/3

Left: 215.412+/-149.826 χ^2/NDF: 26.3/9

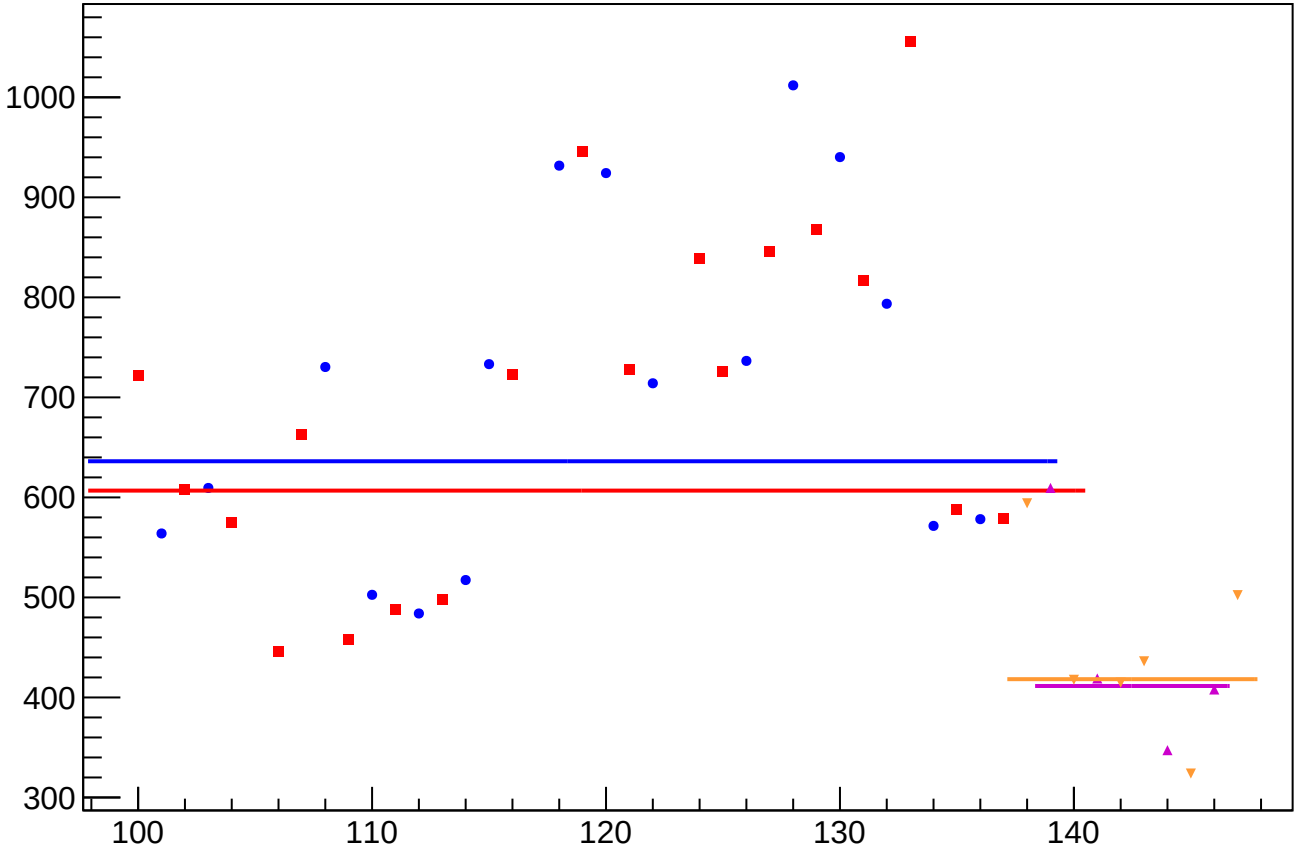
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -13.766+/-165.196 χ^2/NDF:26.8/19

Out: 82.685+/-151.298 χ^2/NDF:43.5/24

All: 38.687+/-111.575 χ^2/NDF: 70.5/44

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 418.275+/-0.142 χ^2/NDF:319906.8/5

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 411.464+/-0.159 χ^2/NDF:238057.4/3

Left: 415.245+/-0.106 χ^2/NDF: 558985.1/9

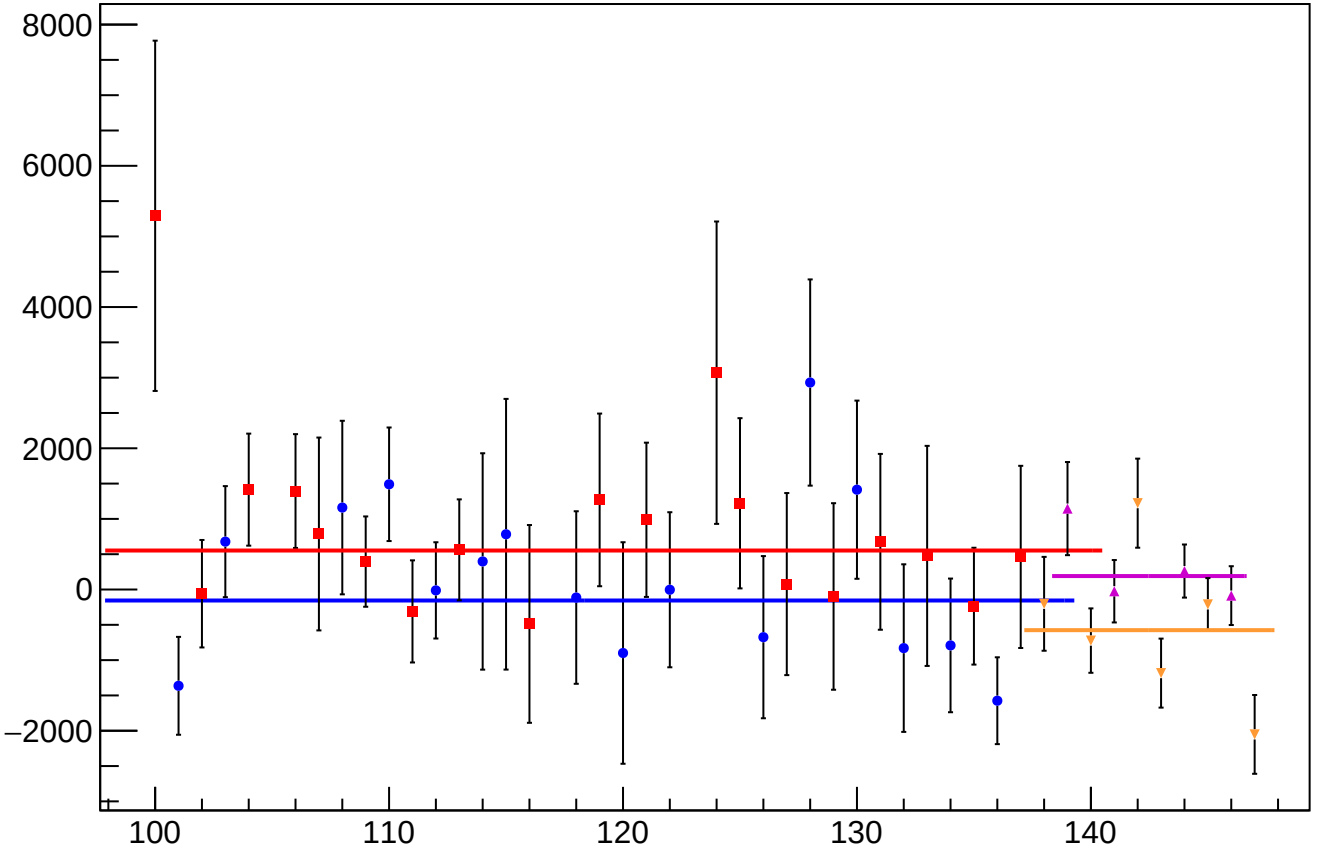
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 514.623+/-0.117 χ^2/NDF:1862024.9/19

Out: 500.084+/-0.107 χ^2/NDF:1976568.2/24

All: 506.716+/-0.079 χ^2/NDF: 3847017.1/44

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -575.586+/-203.242 χ^2/NDF:18.1/5

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 190.481+/-222.158 χ^2/NDF:2.8/3

Left: -226.549+/-149.956 χ^2/NDF: 27.3/9

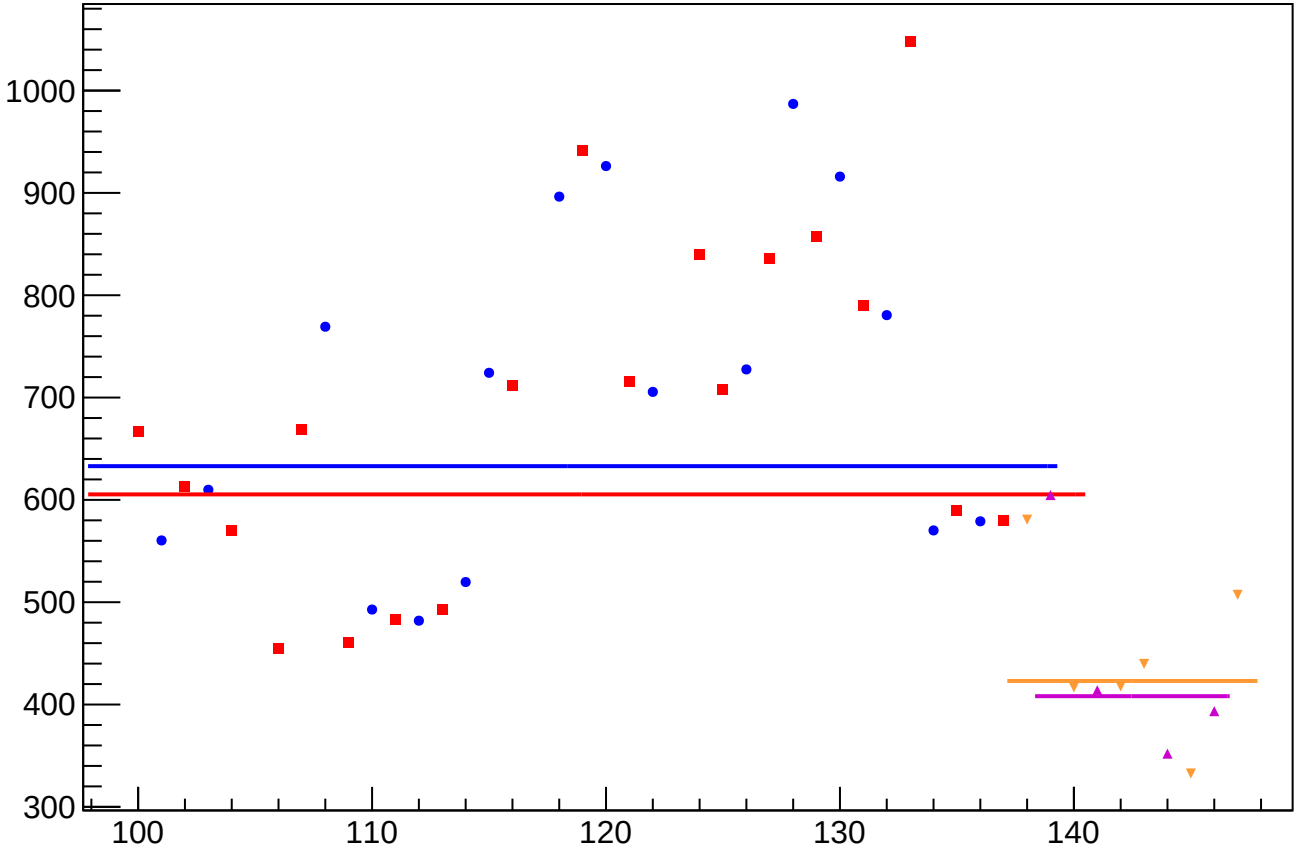
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 32.607+/-163.839 χ^2/NDF:26.4/19

Out: -78.406+/-151.976 χ^2/NDF:43.8/24

All: -27.064+/-111.421 χ^2/NDF: 70.4/44

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 423.034+/-0.144 χ^2/NDF:279047.1/5

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 408.163+/-0.157 χ^2/NDF:225045.0/3

Left: 416.259+/-0.106 χ^2/NDF: 508971.0/9

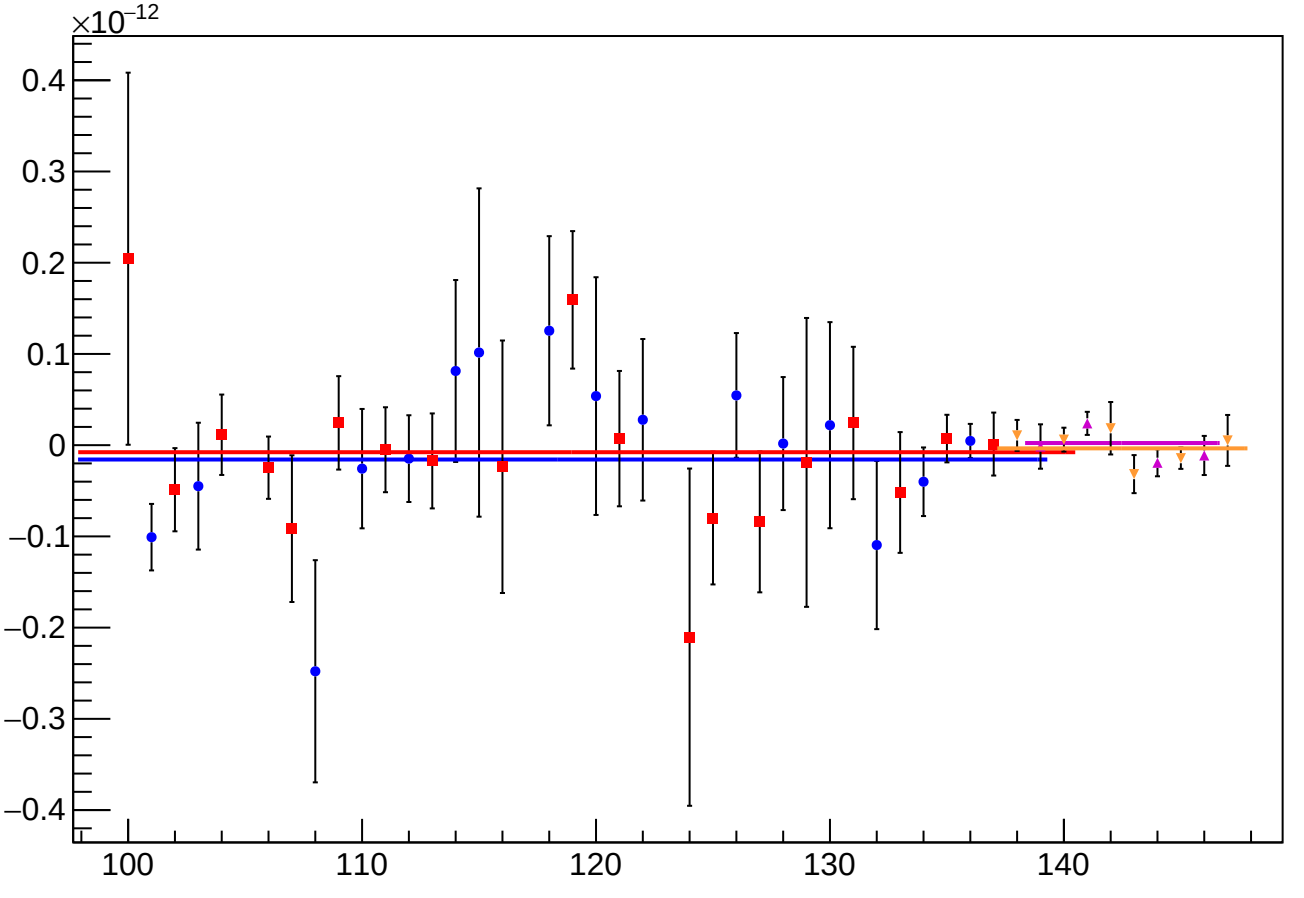
Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 510.698+/-0.116 χ^2/NDF:1840260.6/19

Out: 503.419+/-0.107 χ^2/NDF:1842715.0/24

All: 506.786+/-0.079 χ^2/NDF: 3685097.3/44

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/3

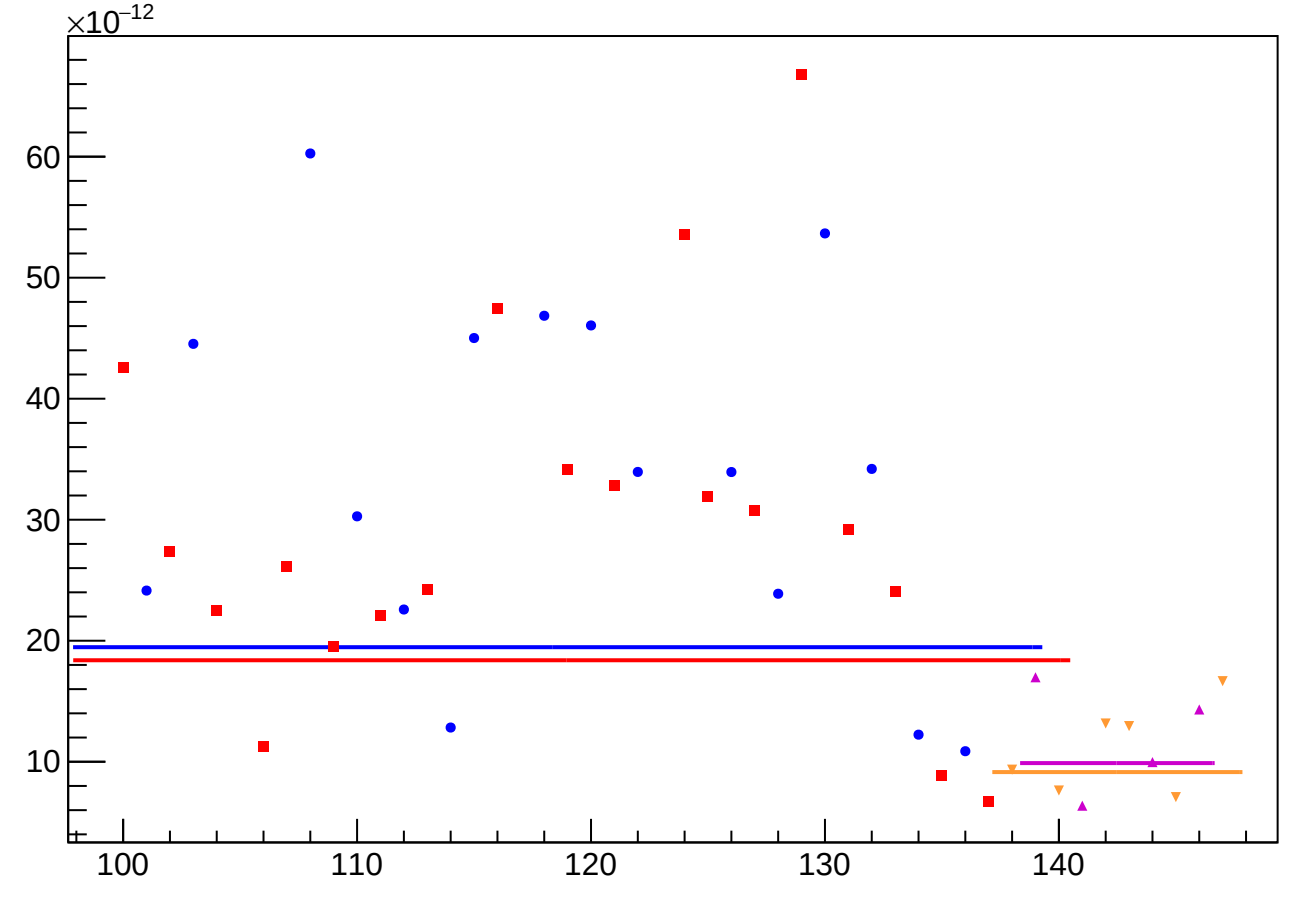
Left: -0.000+/-0.000 χ^2/NDF: 10.4/9

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:23.8/19

Out: -0.000+/-0.000 χ^2/NDF:17.7/24

All: -0.000+/-0.000 χ^2/NDF: 41.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:339908.6/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:410105.6/3

Left: 0.000+/-0.000 χ^2/NDF: 759607.0/9

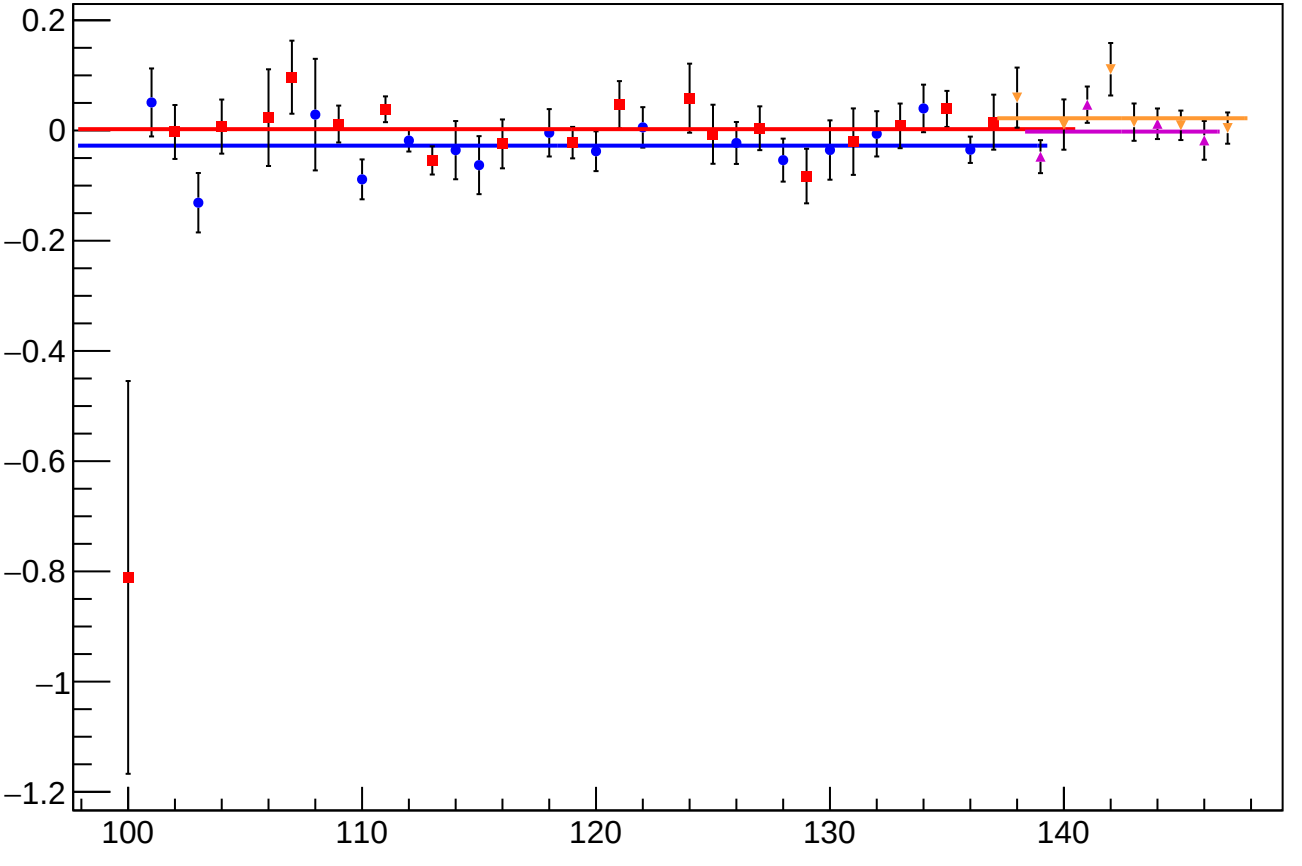
Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:2953133.6/19

Out: 0.000+/-0.000 χ^2/NDF:2661947.2/24

All: 0.000+/-0.000 χ^2/NDF: 5662099.0/44

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: 0.022+/-0.014 χ^2/NDF:4.7/5

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.016 χ^2/NDF:5.0/3

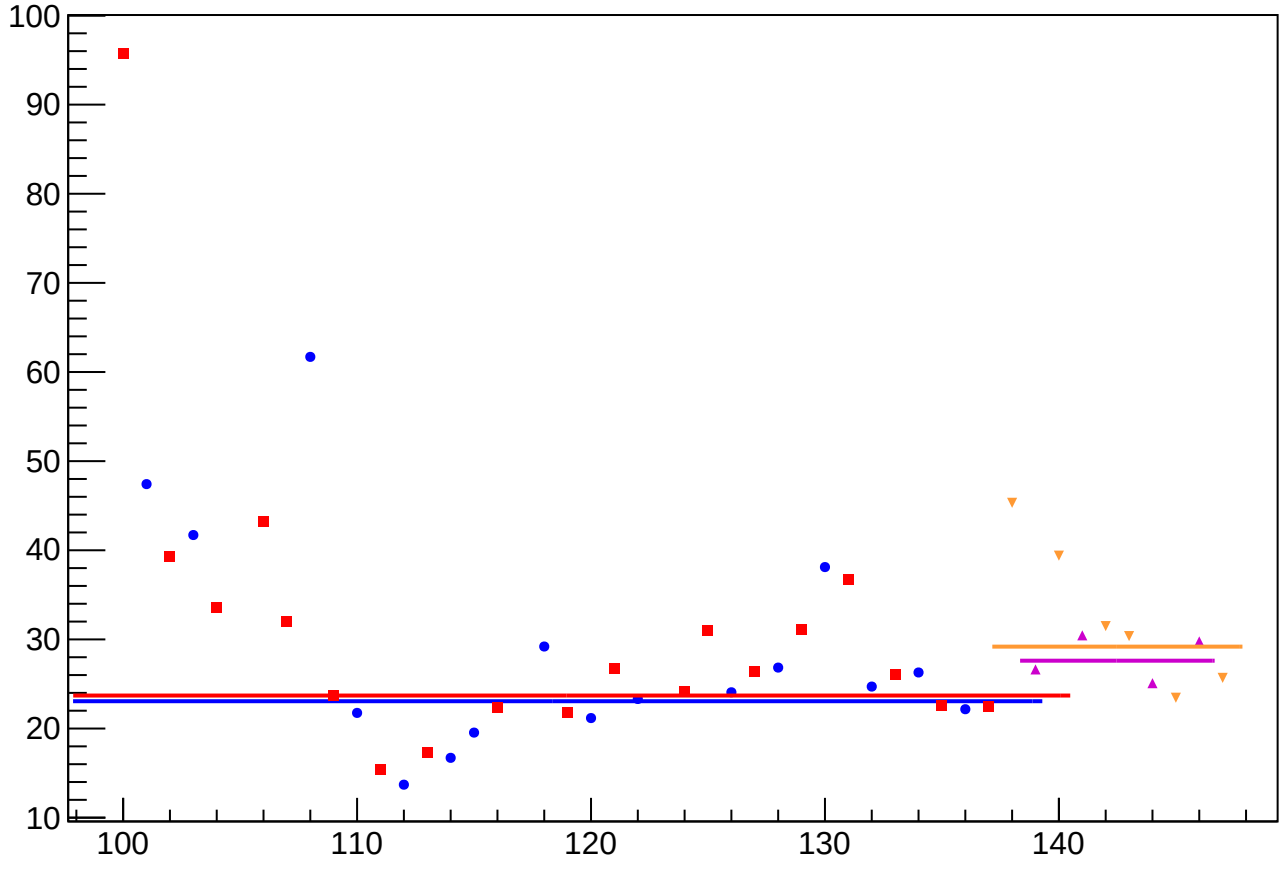
Left: 0.011+/-0.011 χ^2/NDF: 11.0/9

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/19

Out: 0.008+/-0.008 χ^2/NDF:28.1/24

All: -0.006+/-0.006 χ^2/NDF: 55.3/44



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 29.190+/-0.010 χ^2/NDF:405105.8/5

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.612+/-0.011 χ^2/NDF:41153.1/3

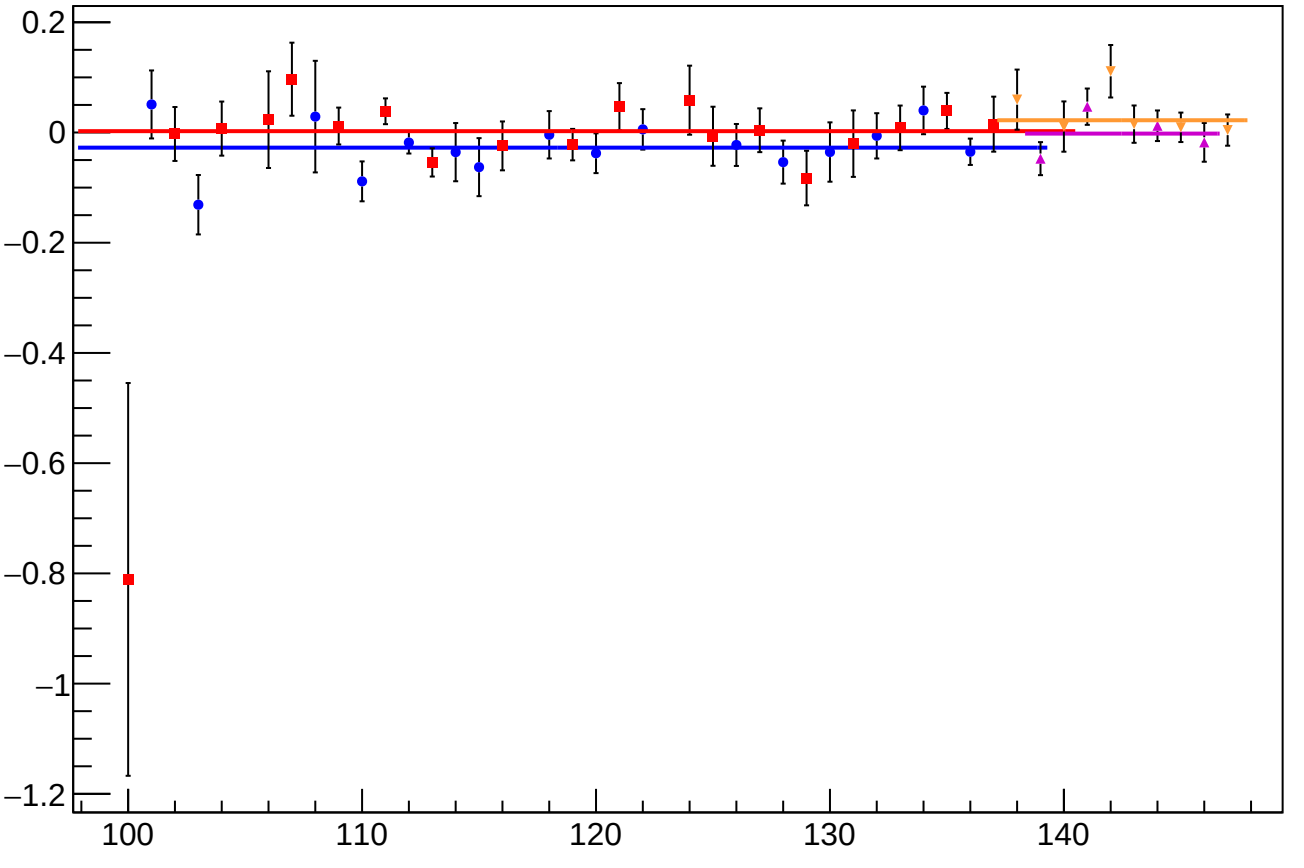
Left: 28.457+/-0.007 χ^2/NDF: 457304.4/9

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.283+/-0.006 χ^2/NDF:1731070.5/19

Out: 25.304+/-0.006 χ^2/NDF:1697180.0/24

All: 24.808+/-0.004 χ^2/NDF: 3444820.9/44



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.016 χ^2/NDF:5.0/3

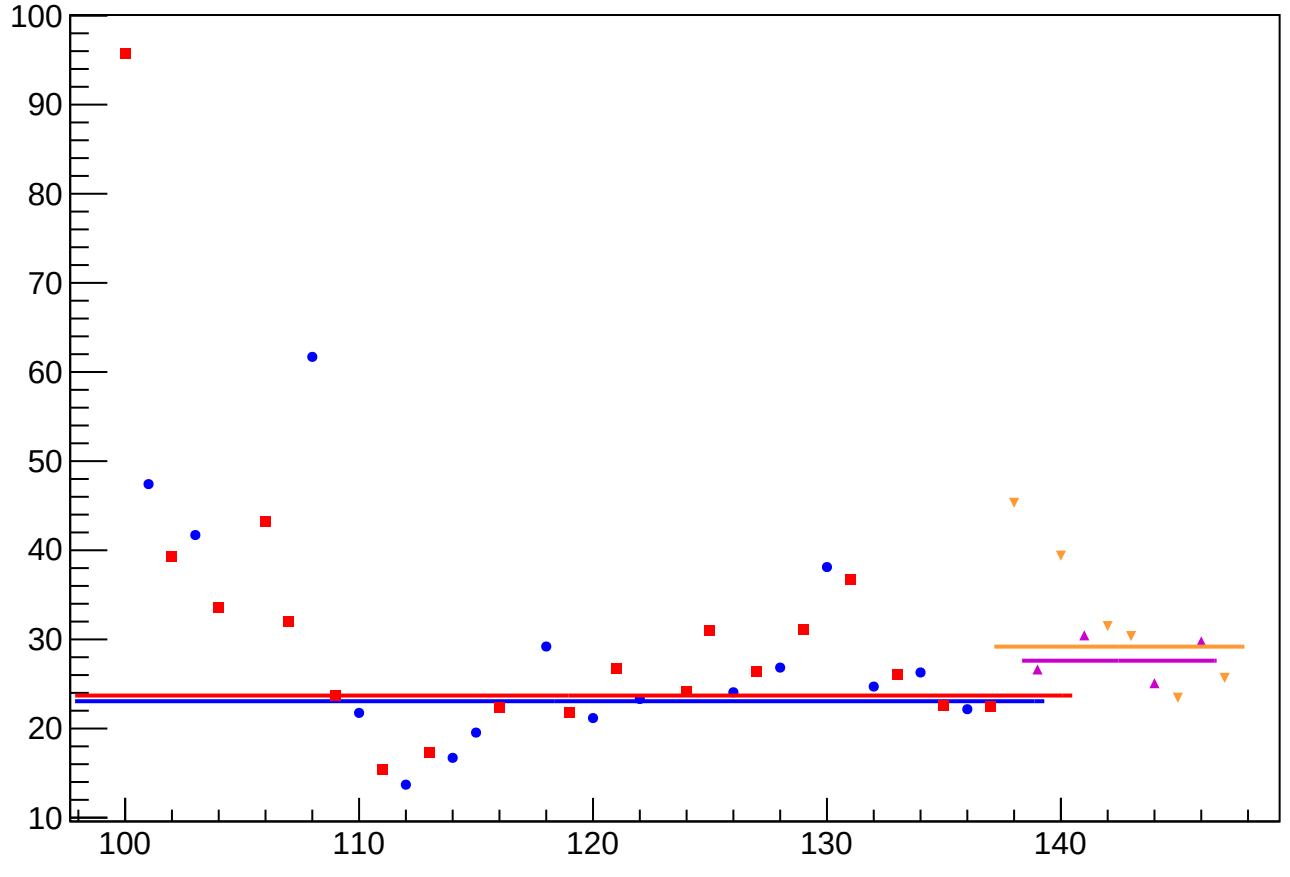
Left: 0.011+/-0.011 χ^2/NDF: 11.0/9

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/19

Out: 0.008+/-0.008 χ^2/NDF:28.1/24

All: -0.006+/-0.006 χ^2/NDF: 55.3/44



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 29.190+/-0.010 χ^2/NDF:405105.8/5

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.612+/-0.011 χ^2/NDF:41153.1/3

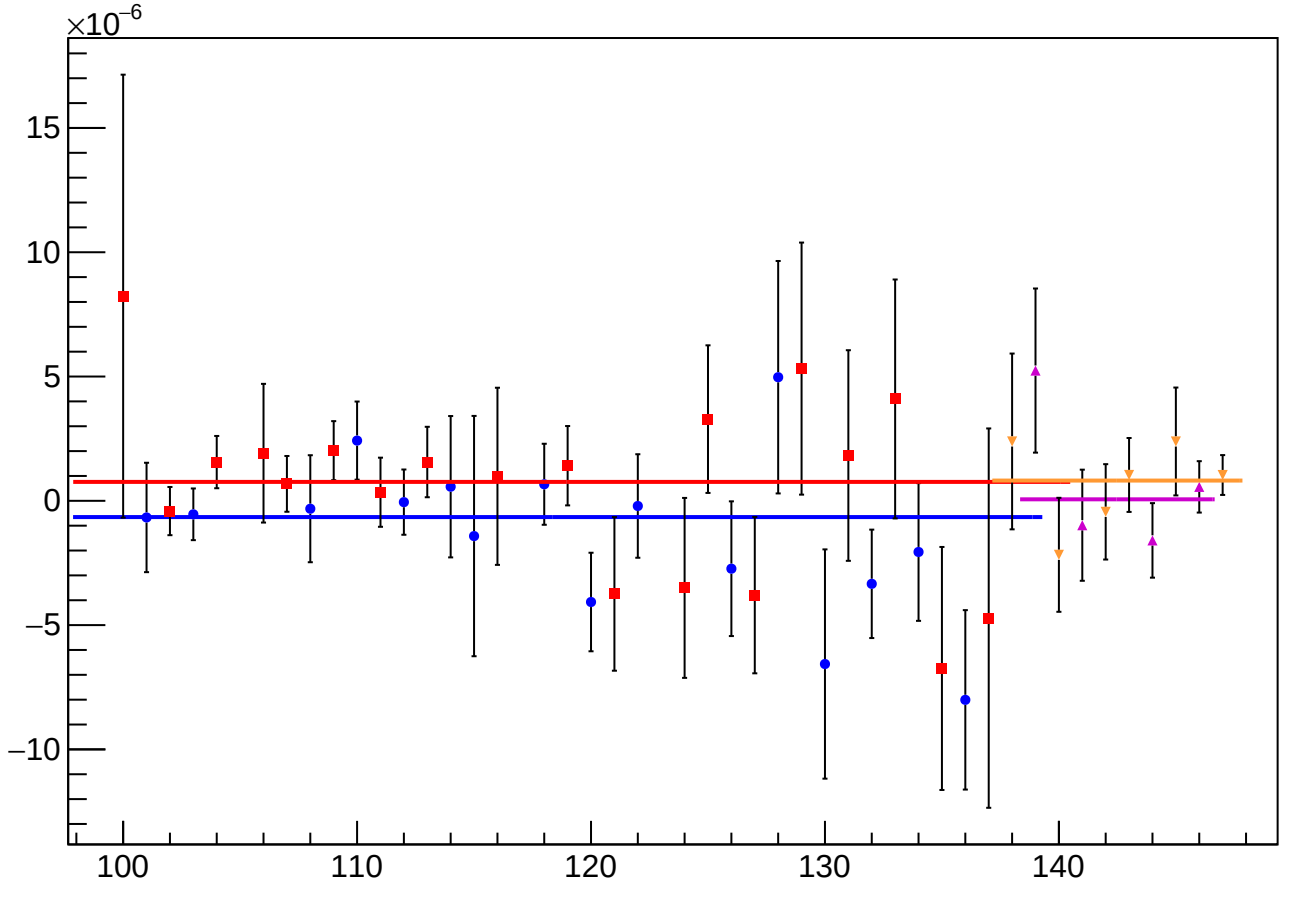
Left: 28.457+/-0.007 χ^2/NDF: 457304.4/9

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.283+/-0.006 χ^2/NDF:1731070.5/19

Out: 25.304+/-0.006 χ^2/NDF:1697180.0/24

All: 24.808+/-0.004 χ^2/NDF: 3444820.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/5

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/3

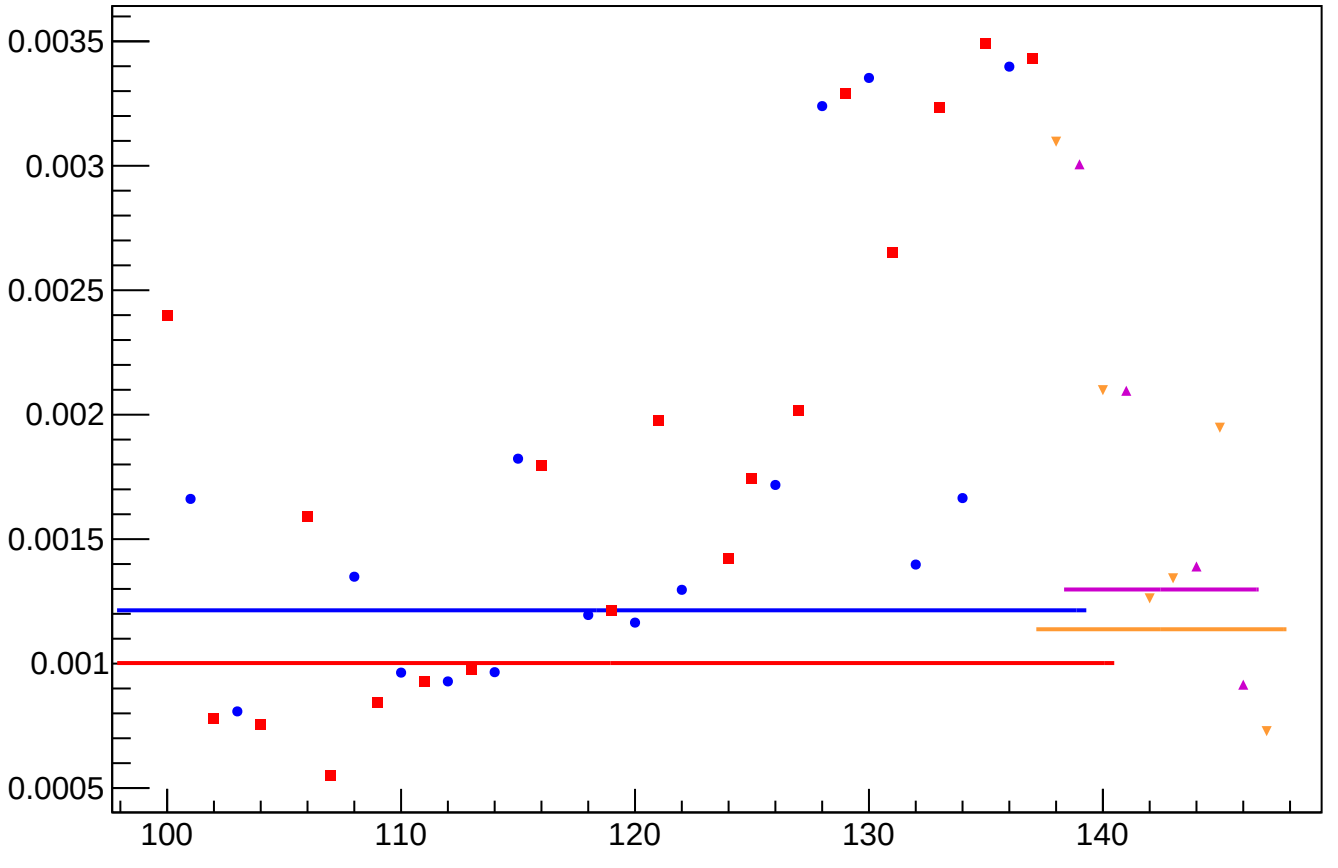
Left: 0.000+/-0.000 χ^2/NDF: 7.7/9

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:22.3/19

Out: 0.000+/-0.000 χ^2/NDF:18.1/24

All: 0.000+/-0.000 χ^2/NDF: 45.5/44



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1811641.3/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1071873.9/3

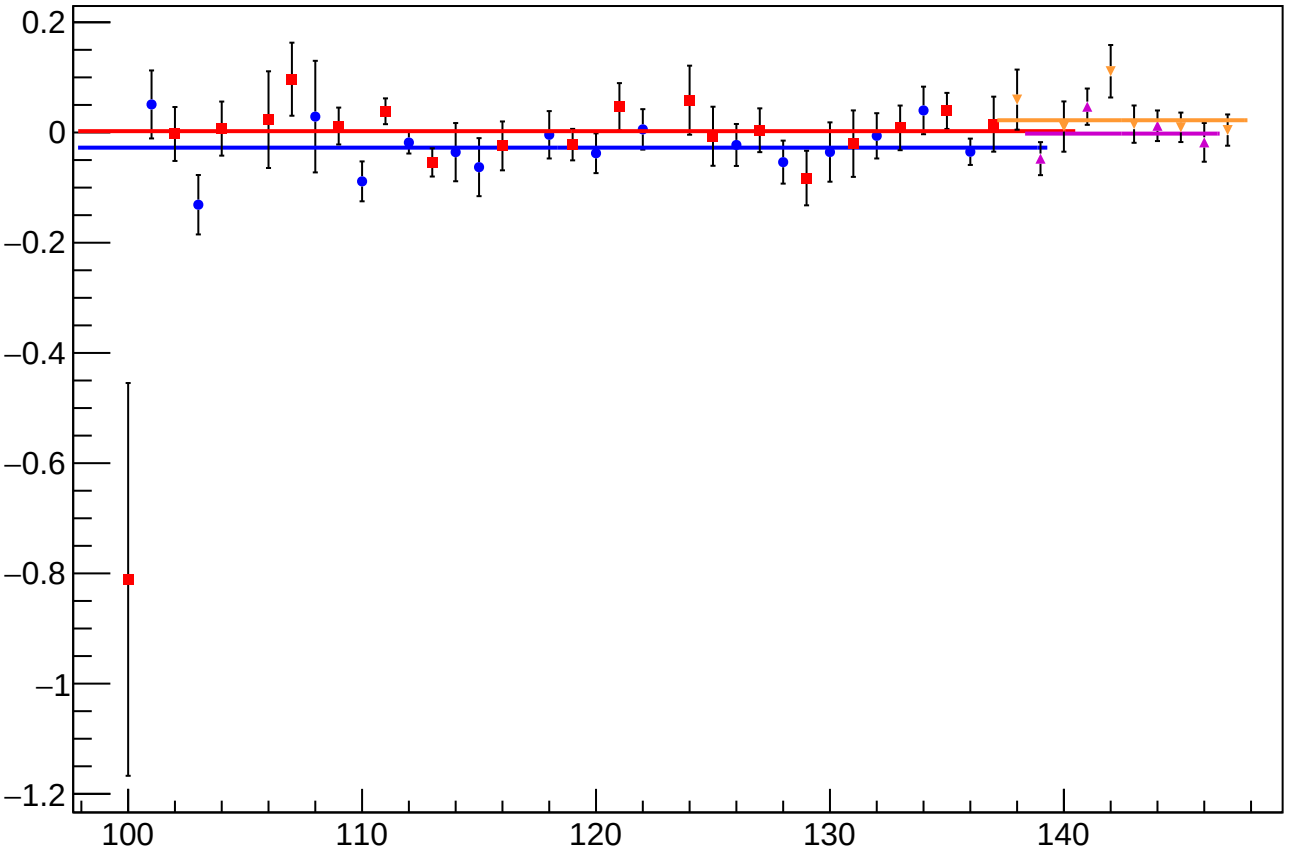
Left: 0.001+/-0.000 χ^2/NDF: 2936724.4/9

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:3355789.2/19

Out: 0.001+/-0.000 χ^2/NDF:5157477.9/24

All: 0.001+/-0.000 χ^2/NDF: 8764227.9/44



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.022+/-0.014 χ^2/NDF:4.7/5

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.016 χ^2/NDF:5.0/3

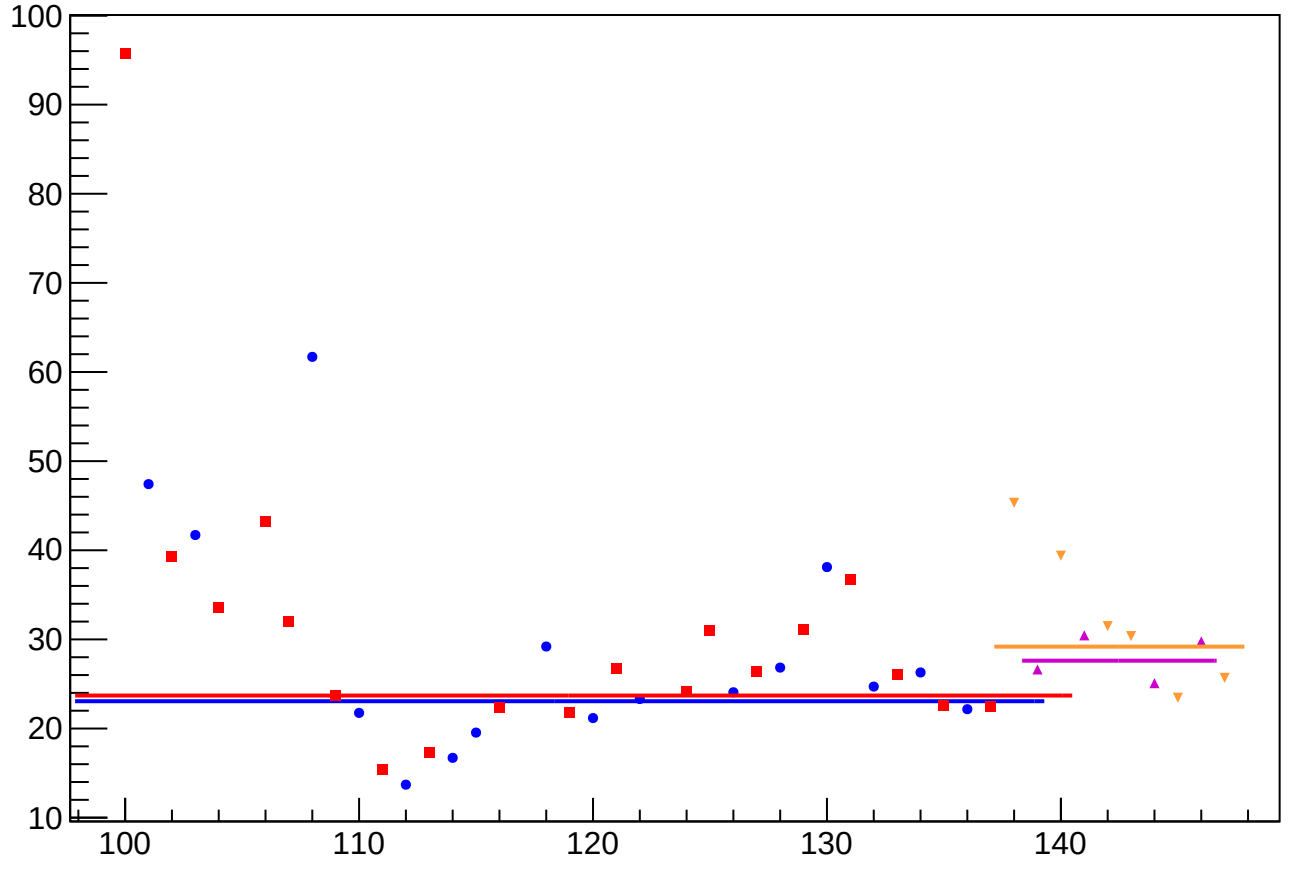
Left: 0.011+/-0.011 χ^2/NDF: 11.0/9

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/19

Out: 0.008+/-0.008 χ^2/NDF:28.1/24

All: -0.006+/-0.006 χ^2/NDF: 55.3/44



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 29.190+/-0.010 χ^2/NDF:405065.3/5

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.612+/-0.011 χ^2/NDF:41155.1/3

Left: 28.457+/-0.007 χ^2/NDF: 457270.2/9

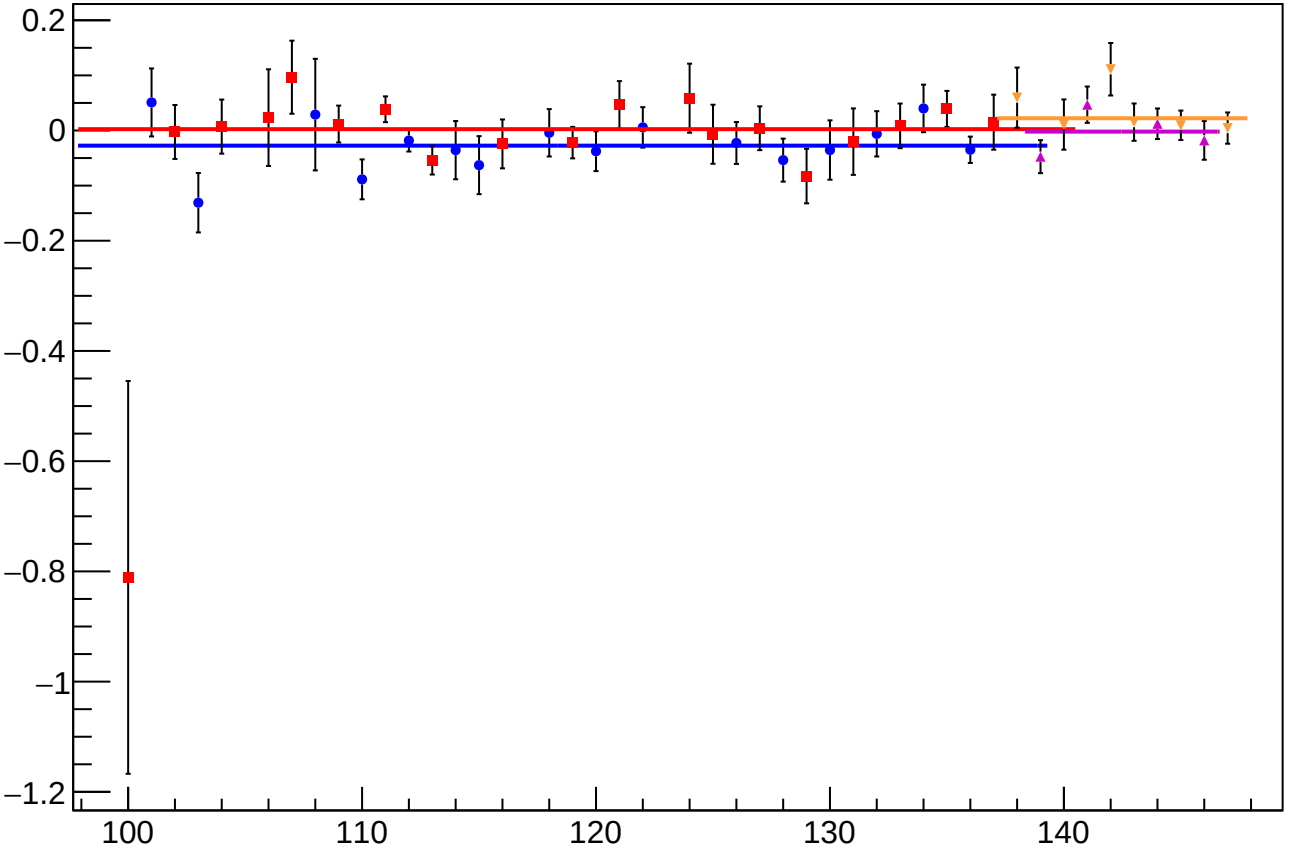
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.283+/-0.006 χ^2/NDF:1731098.9/19

Out: 25.304+/-0.006 χ^2/NDF:1697218.0/24

All: 24.807+/-0.004 χ^2/NDF: 3444888.9/44

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: 0.022+/-0.014 χ^2/NDF:4.7/5

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.016 χ^2/NDF:5.0/3

Left: 0.011+/-0.011 χ^2/NDF: 11.0/9

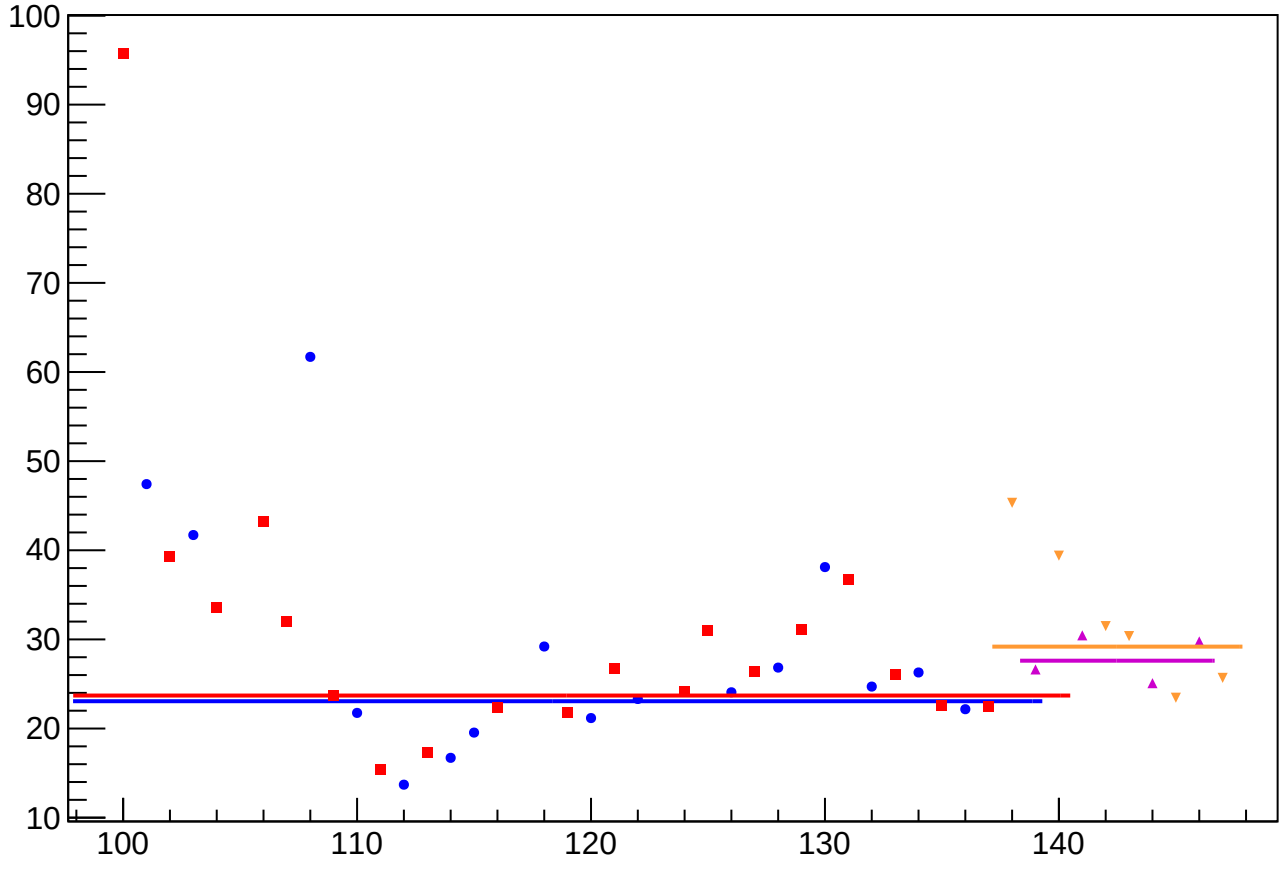
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.008 χ^2/NDF:20.6/19

Out: 0.008+/-0.008 χ^2/NDF:28.1/24

All: -0.006+/-0.006 χ^2/NDF: 55.3/44

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 29.190+/-0.010 χ^2/NDF:405065.3/5

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.612+/-0.011 χ^2/NDF:41155.1/3

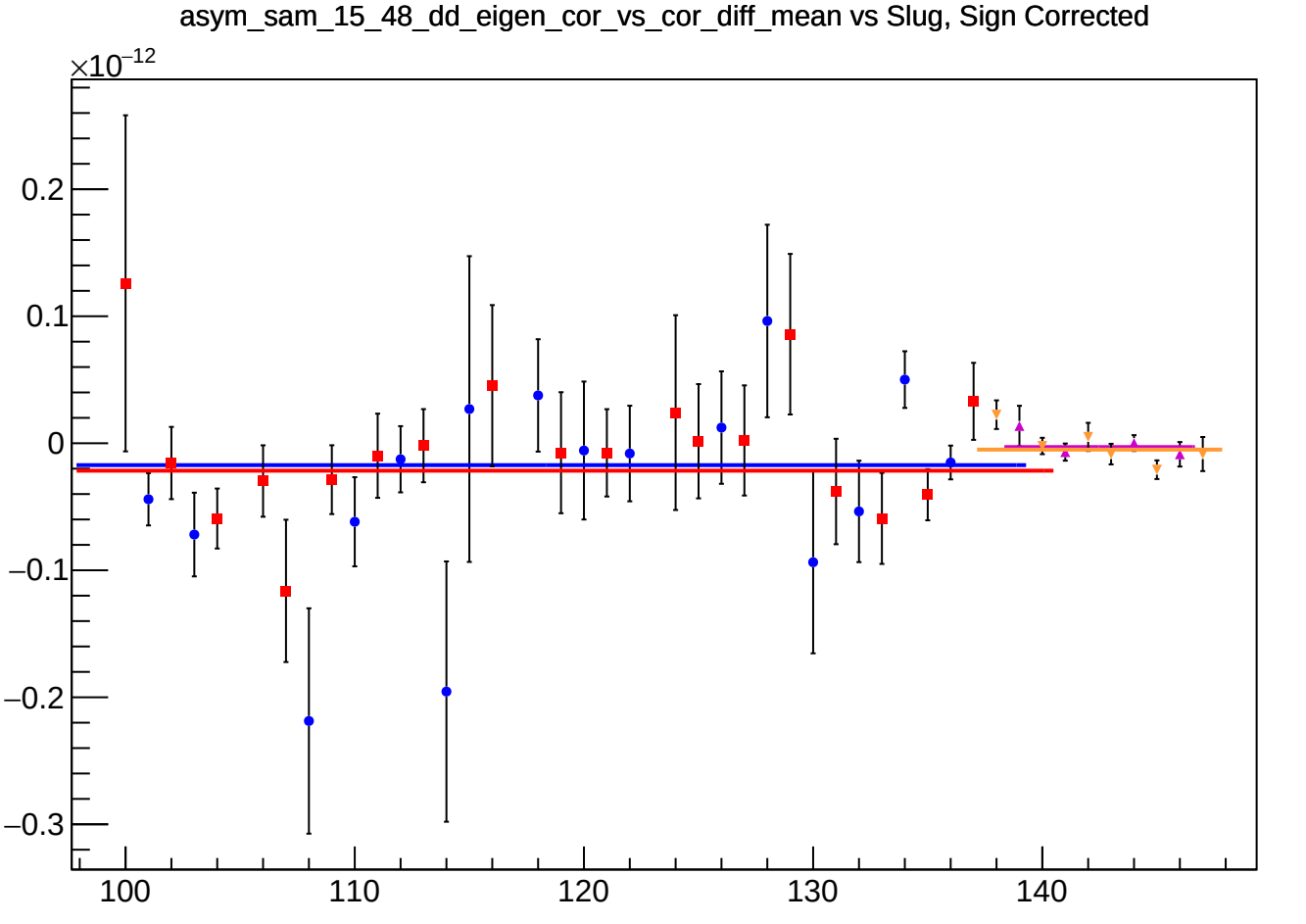
Left: 28.457+/-0.007 χ^2/NDF: 457270.2/9

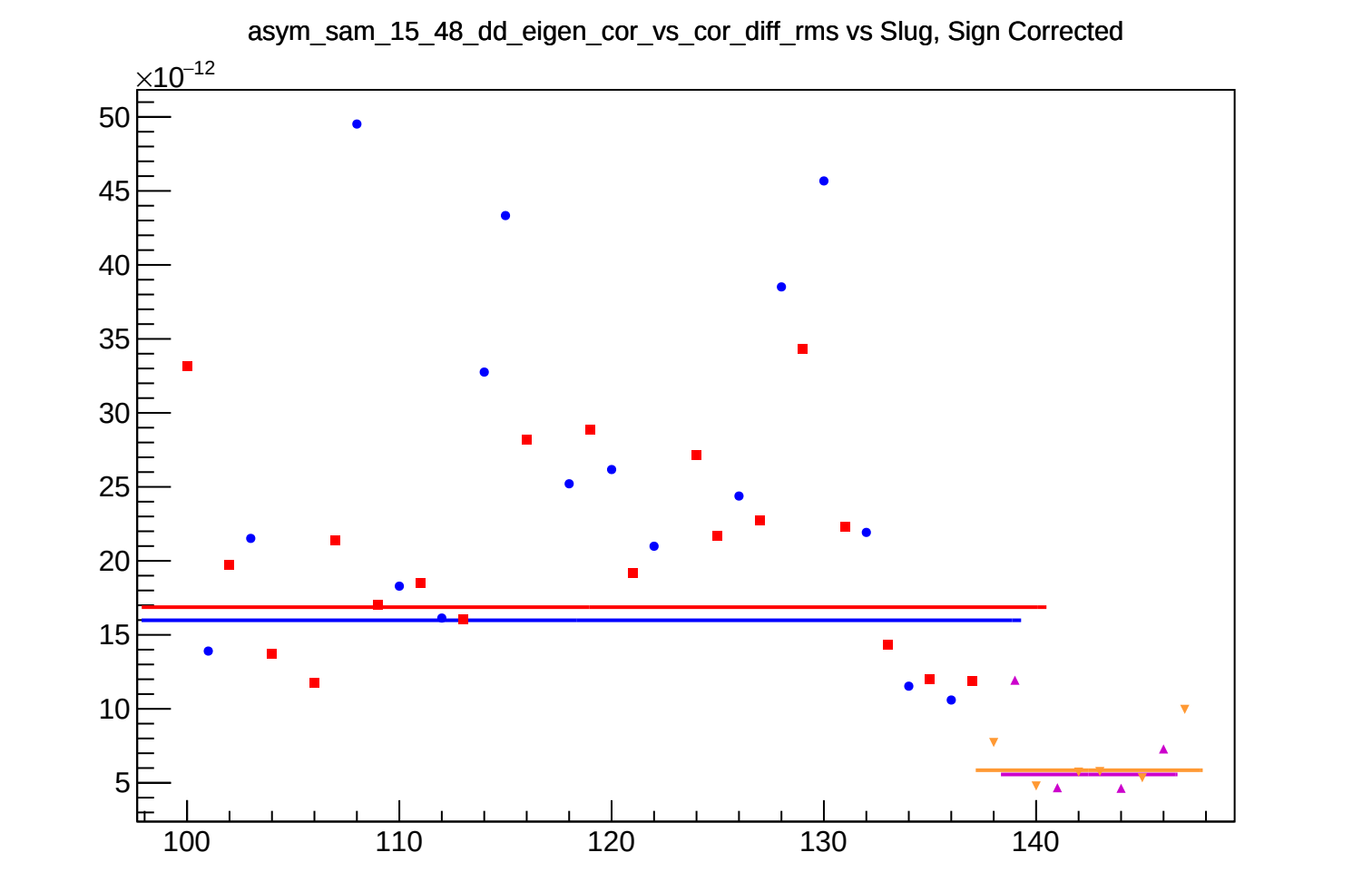
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.283+/-0.006 χ^2/NDF:1731098.9/19

Out: 25.304+/-0.006 χ^2/NDF:1697218.0/24

All: 24.807+/-0.004 χ^2/NDF: 3444888.9/44


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
Right In: -0.000+/-0.000 χ²/NDF: 29.9/15
Left Out: -0.000+/-0.000 χ²/NDF:11.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 18.0/18
Left In: -0.000+/-0.000 χ²/NDF:2.0/3
Left: -0.000+/-0.000 χ²/NDF: 14.0/9
Right: -0.000+/-0.000 χ²/NDF: 48.0/34
In: -0.000+/-0.000 χ²/NDF:34.5/19
Out: -0.000+/-0.000 χ²/NDF:33.5/24
All: -0.000+/-0.000 χ²/NDF: 68.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:307624.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:465202.3/3

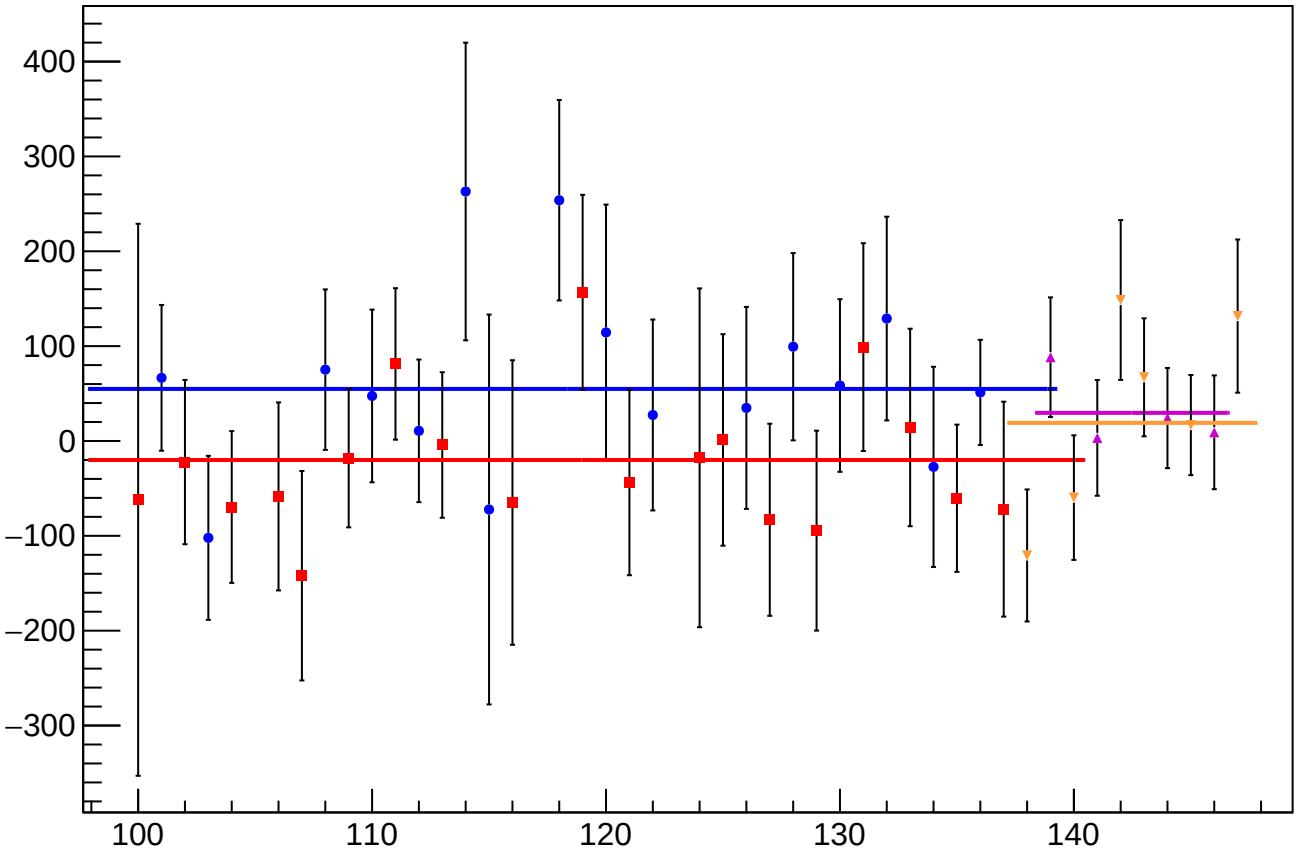
Left: 0.000+/-0.000 χ^2/NDF: 778580.6/9

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:5074521.7/19

Out: 0.000+/-0.000 χ^2/NDF:4385064.4/24

All: 0.000+/-0.000 χ^2/NDF: 9459771.0/44



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 19.083+/-27.217 χ^2/NDF:10.4/5

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 29.646+/-29.408 χ^2/NDF:1.2/3

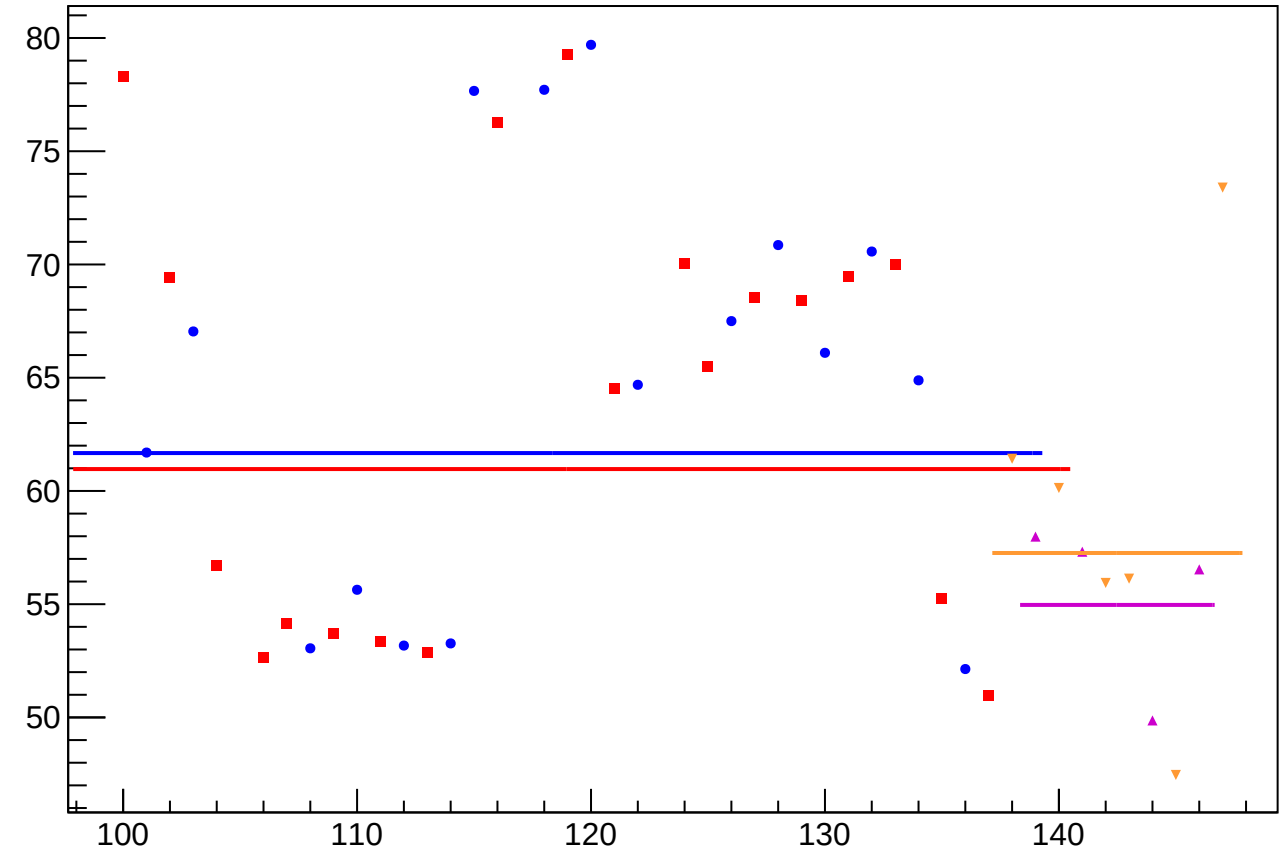
Left: 23.957+/-19.975 χ^2/NDF: 11.6/9

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 45.212+/-18.204 χ^2/NDF:12.7/19

Out: -4.086+/-17.374 χ^2/NDF:20.8/24

All: 19.414+/-12.568 χ^2/NDF: 37.3/44



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 57.261+/-0.019 χ^2/NDF:160938.9/5

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

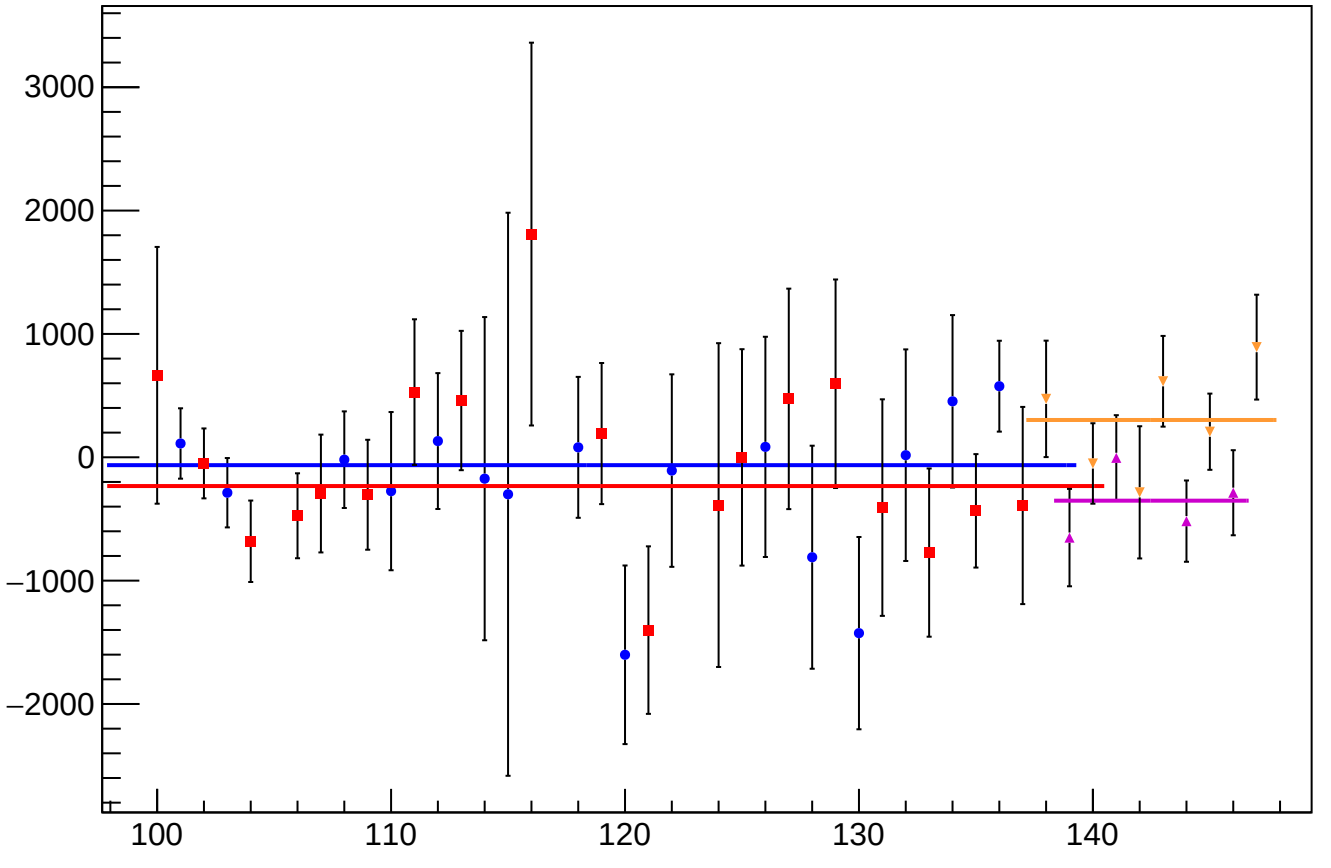
Left: 56.203+/-0.014 χ^2/NDF: 195031.3/9

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 59.104+/-0.013 χ^2/NDF:358781.6/19

Out: 59.457+/-0.012 χ^2/NDF:467086.2/24

All: 59.288+/-0.009 χ^2/NDF: 826261.4/44



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 302.416+/-156.597 χ^2/NDF:5.3/5

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -351.755+/-175.665 χ^2/NDF:1.9/3

Left: 12.749+/-116.893 χ^2/NDF: 14.9/9

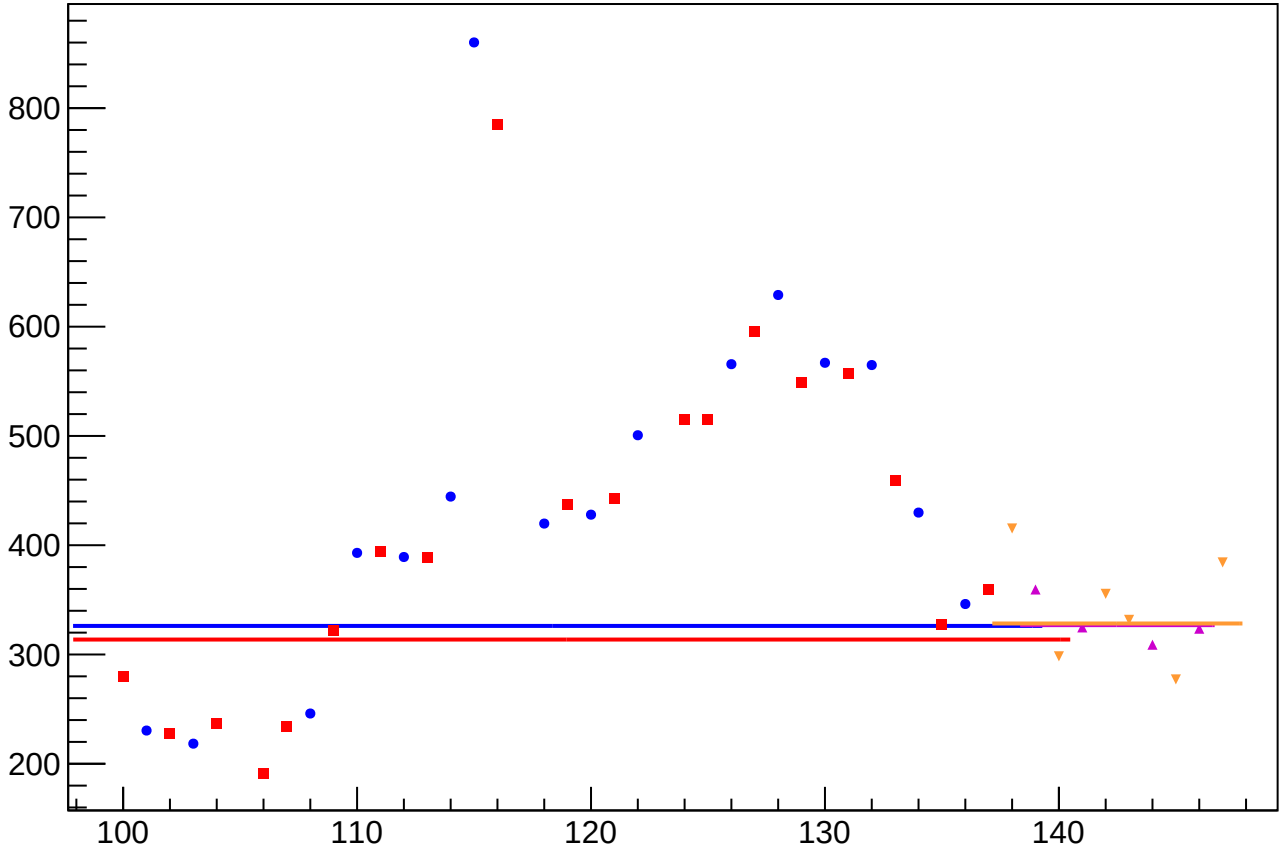
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -165.390+/-104.328 χ^2/NDF:16.8/19

Out: -29.270+/-96.628 χ^2/NDF:27.0/24

All: -92.122+/-70.892 χ^2/NDF: 44.7/44

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: 328.369+/-0.111 χ^2/NDF:179644.8/5

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 326.860+/-0.124 χ^2/NDF:19826.5/3

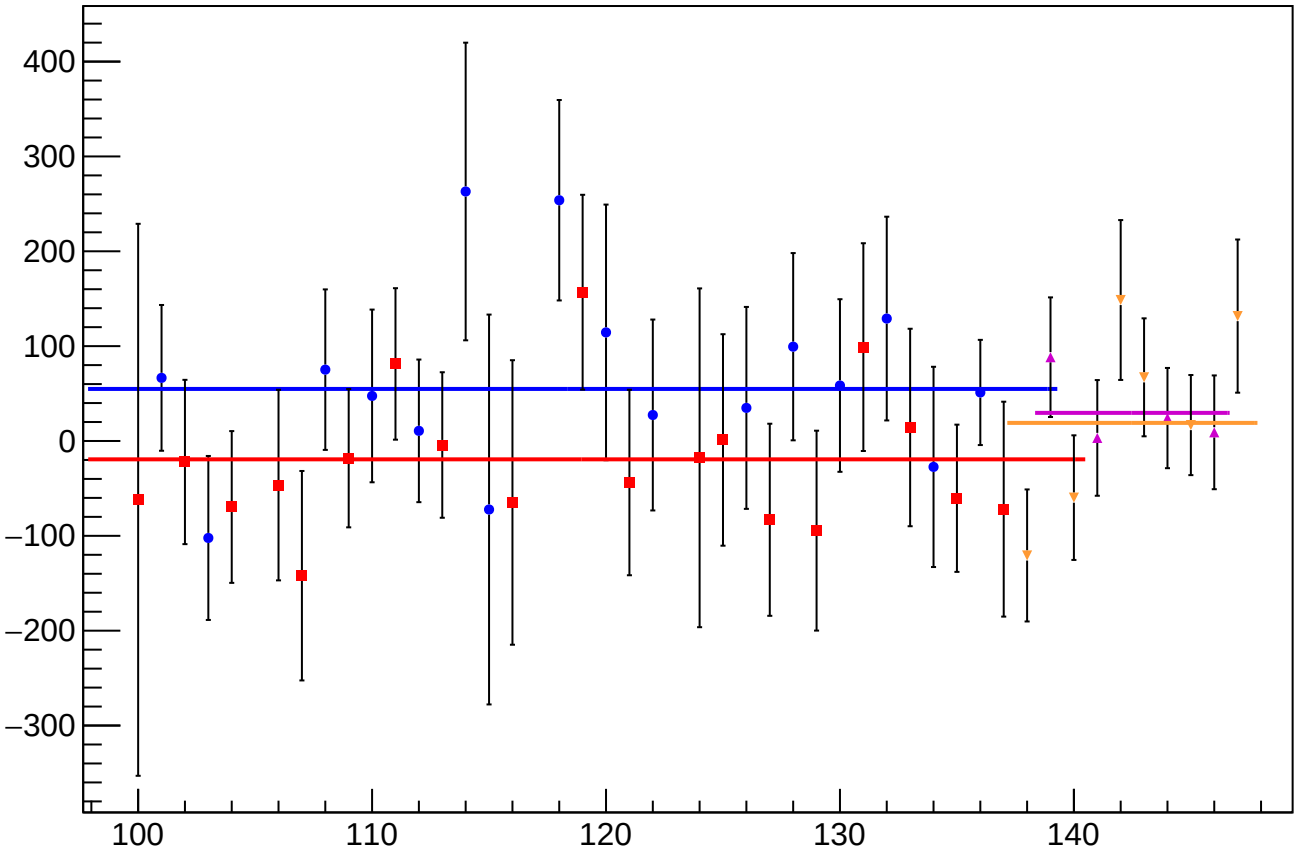
Left: 327.701+/-0.083 χ^2/NDF: 199553.4/9

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 326.399+/-0.074 χ^2/NDF:1753843.3/19

Out: 319.268+/-0.068 χ^2/NDF:1977901.4/24

All: 322.561+/-0.050 χ^2/NDF: 3736774.1/44



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 19.075+/-27.217 χ^2/NDF:10.4/5

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 29.639+/-29.408 χ^2/NDF:1.2/3

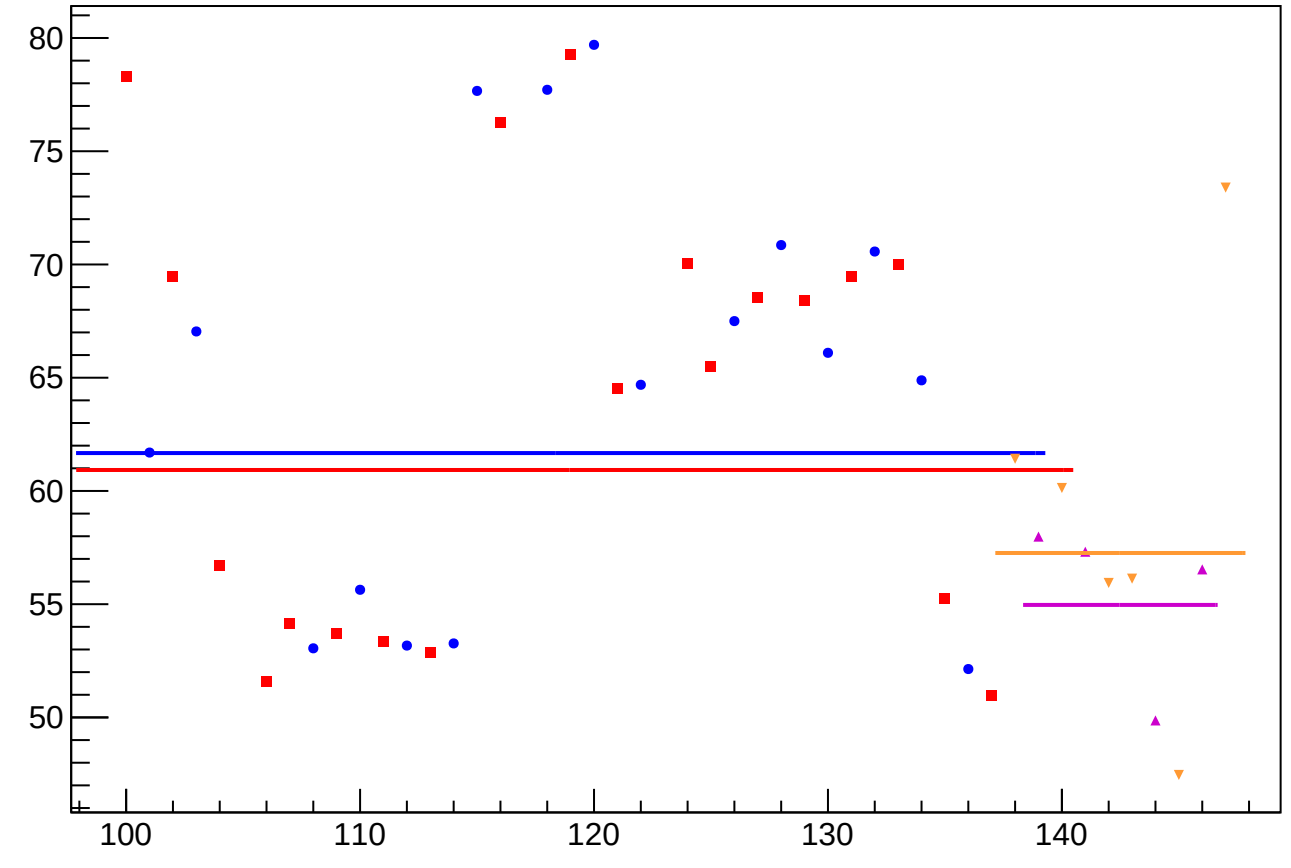
Left: 23.949+/-19.975 χ^2/NDF: 11.6/9

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 45.206+/-18.204 χ^2/NDF:12.7/19

Out: -3.680+/-17.382 χ^2/NDF:20.7/24

All: 19.634+/-12.571 χ^2/NDF: 37.1/44



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 57.261+/-0.019 χ^2/NDF:160938.9/5

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

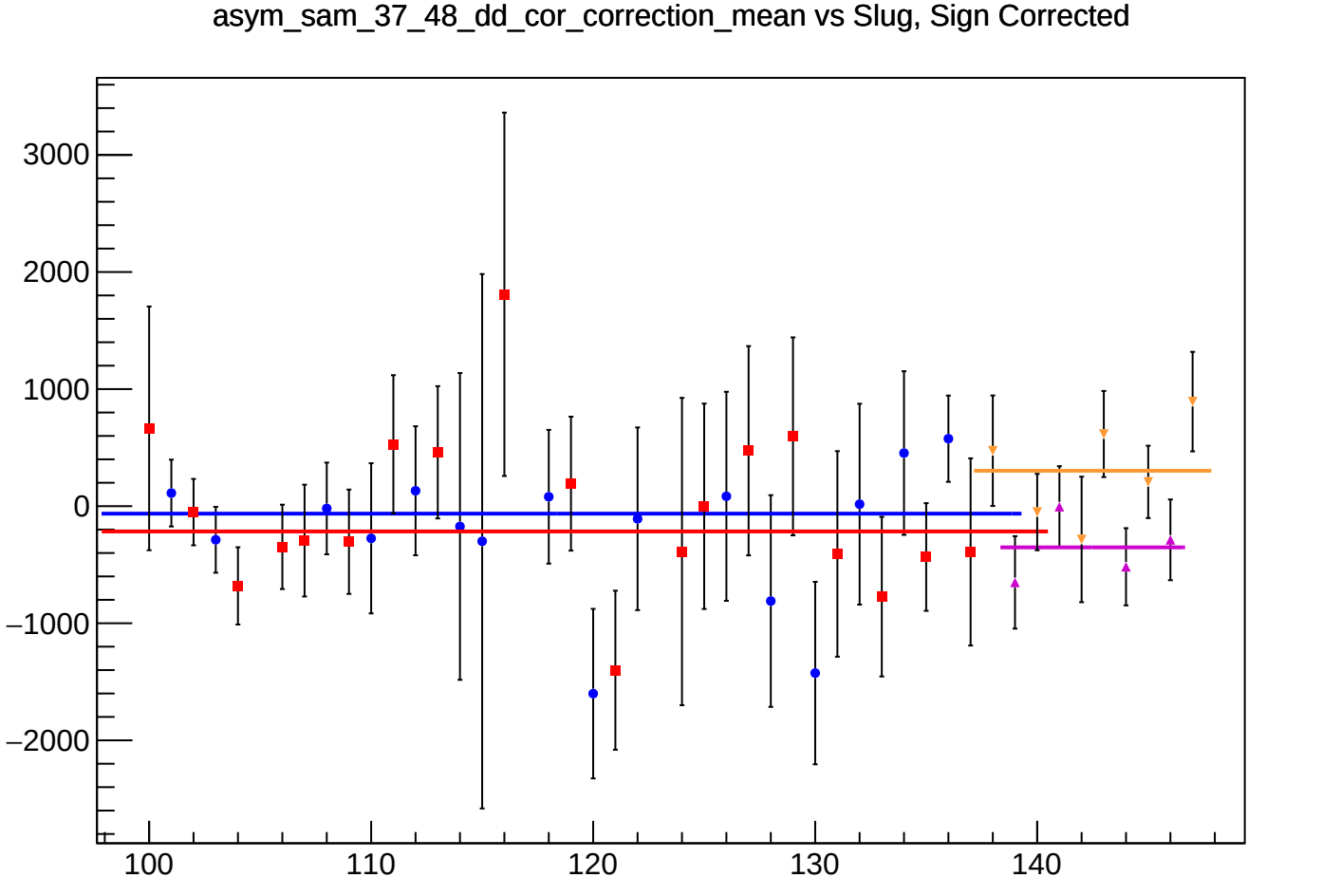
Left: 56.203+/-0.014 χ^2/NDF: 195031.3/9

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.104+/-0.013 χ^2/NDF:358781.9/19

Out: 59.431+/-0.012 χ^2/NDF:469988.6/24

All: 59.275+/-0.009 χ^2/NDF: 829109.1/44



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 302.409+/-156.597 χ^2/NDF:5.3/5

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -351.760+/-175.665 χ^2/NDF:1.9/3

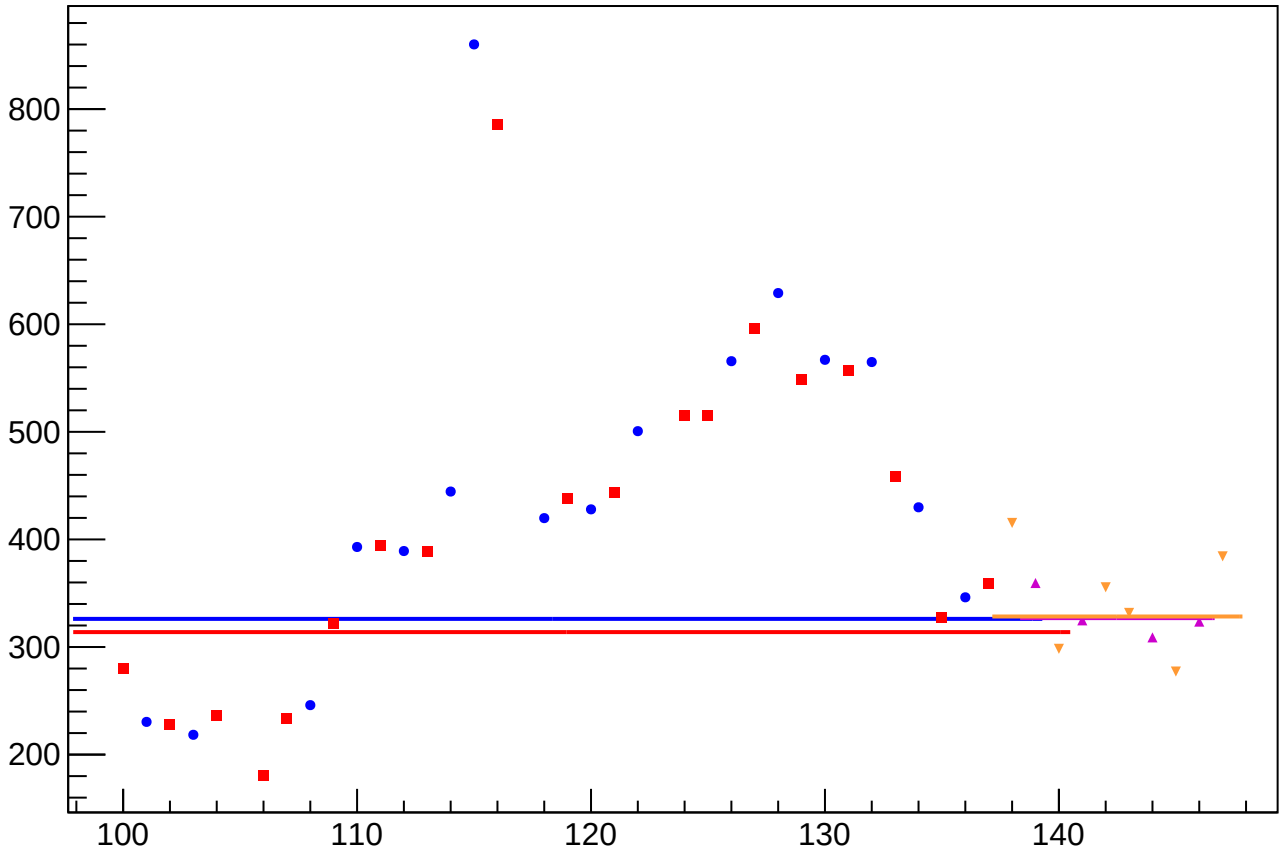
Left: 12.744+/-116.893 χ^2/NDF: 14.9/9

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -165.383+/-104.328 χ^2/NDF:16.8/19

Out: -17.170+/-96.968 χ^2/NDF:26.1/24

All: -85.864+/-71.026 χ^2/NDF: 44.0/44



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 328.369+/-0.111 χ^2/NDF:179646.5/5

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 326.861+/-0.124 χ^2/NDF:19825.9/3

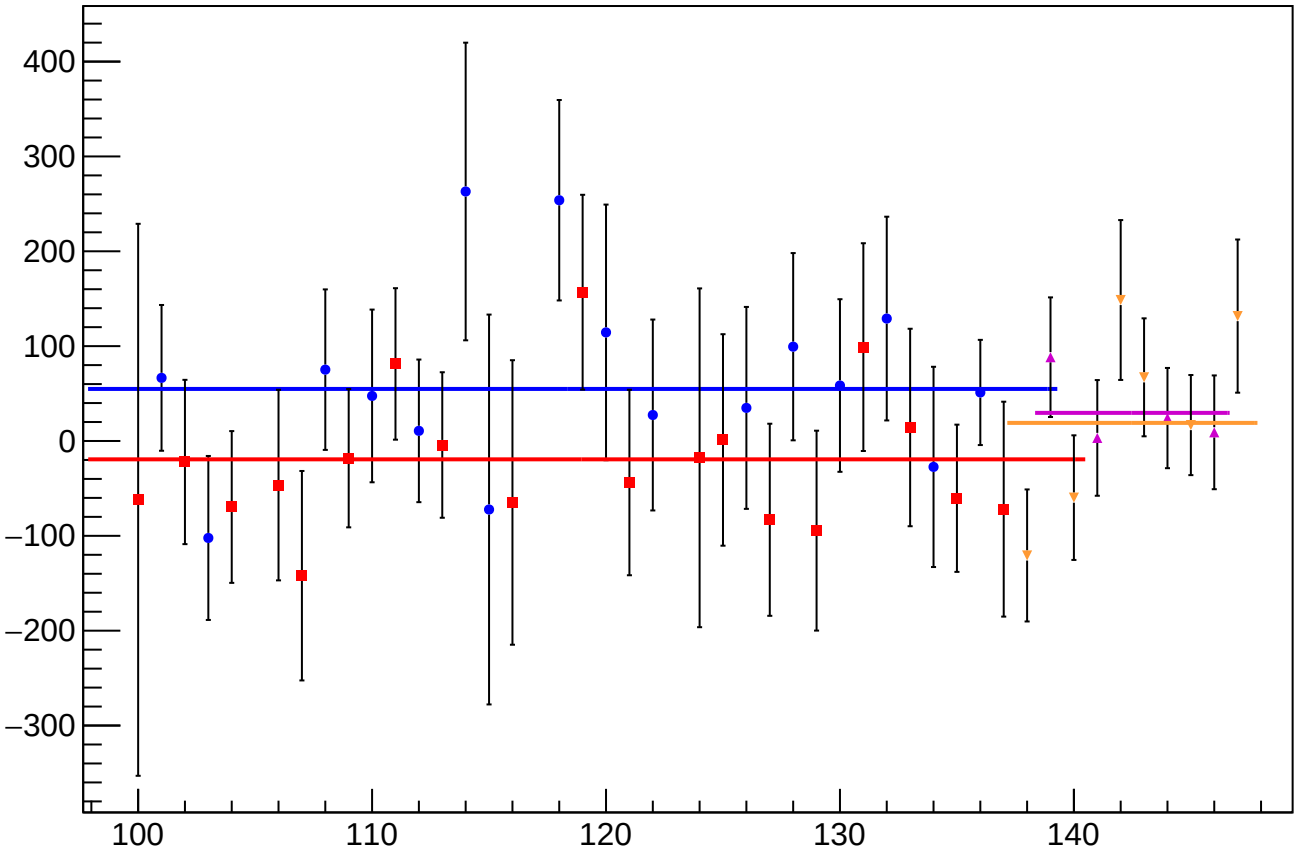
Left: 327.701+/-0.083 χ^2/NDF: 199554.6/9

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 326.401+/-0.074 χ^2/NDF:1753781.7/19

Out: 319.424+/-0.069 χ^2/NDF:1996010.4/24

All: 322.658+/-0.050 χ^2/NDF: 3754591.2/44



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 19.075+/-27.217 χ^2/NDF:10.4/5

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 29.639+/-29.408 χ^2/NDF:1.2/3

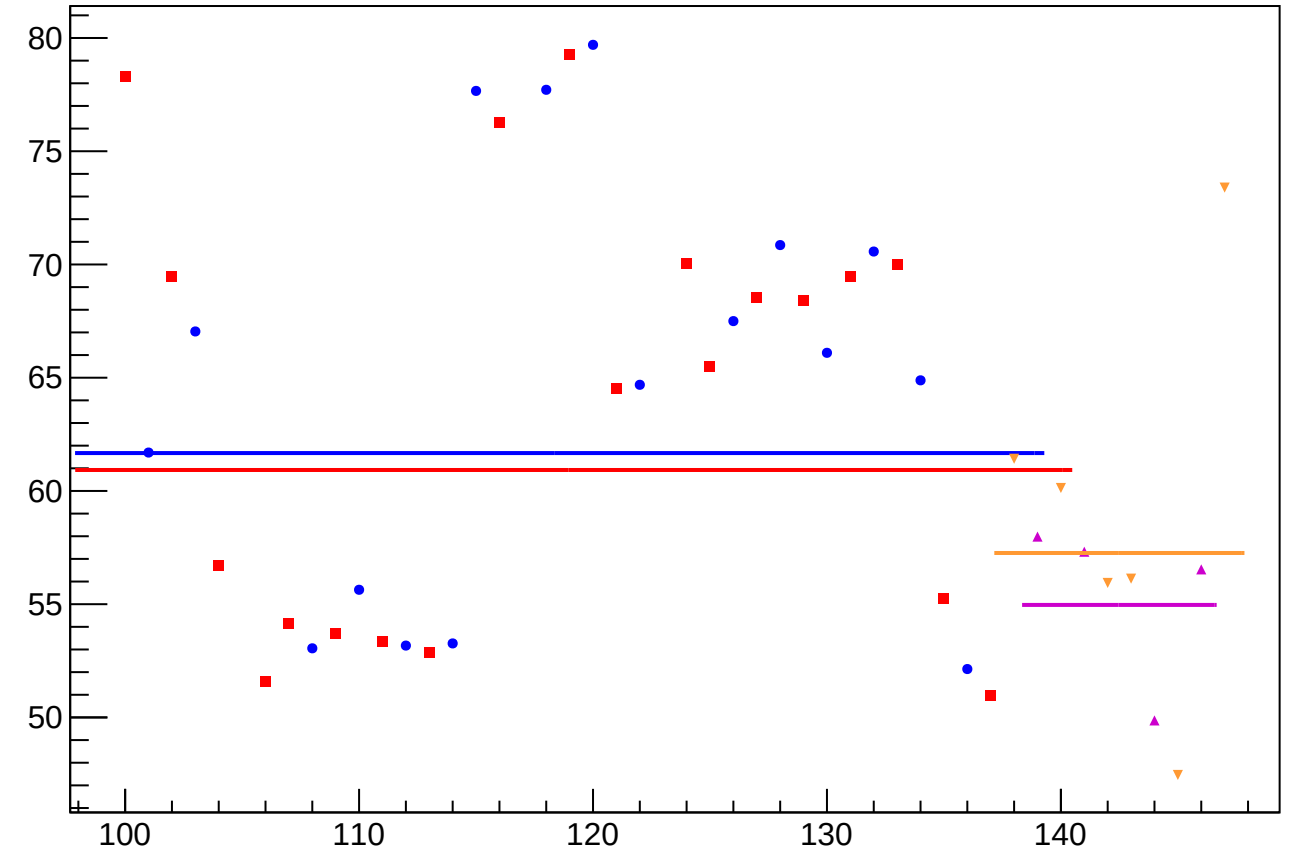
Left: 23.949+/-19.975 χ^2/NDF: 11.6/9

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 45.206+/-18.204 χ^2/NDF:12.7/19

Out: -3.680+/-17.382 χ^2/NDF:20.7/24

All: 19.634+/-12.571 χ^2/NDF: 37.1/44



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 57.261+/-0.019 χ^2/NDF:160938.9/5

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 54.968+/-0.021 χ^2/NDF:27541.1/3

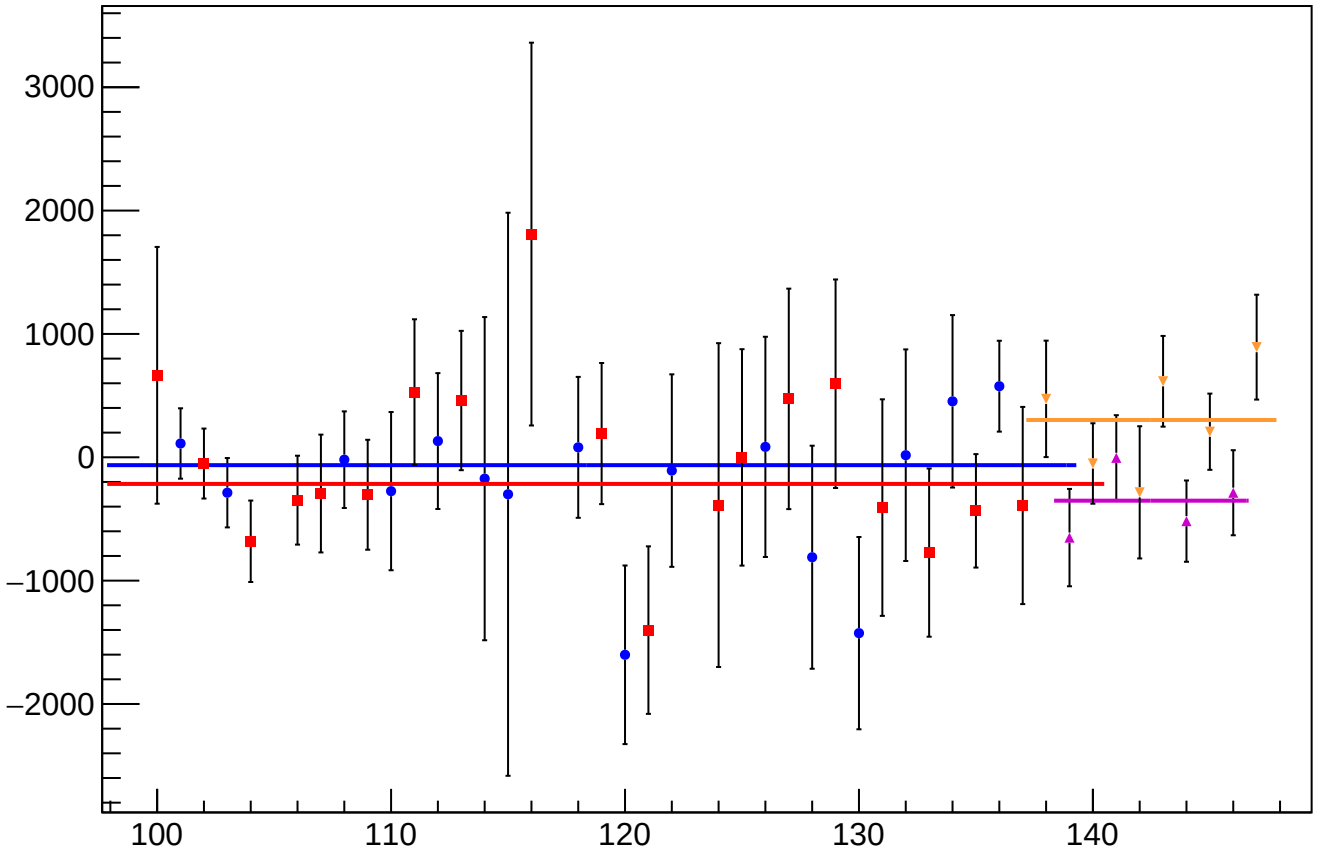
Left: 56.203+/-0.014 χ^2/NDF: 195031.3/9

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.104+/-0.013 χ^2/NDF:358781.9/19

Out: 59.431+/-0.012 χ^2/NDF:469988.6/24

All: 59.275+/-0.009 χ^2/NDF: 829109.1/44



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 302.409+/-156.597 χ^2/NDF:5.3/5

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -351.760+/-175.665 χ^2/NDF:1.9/3

Left: 12.744+/-116.893 χ^2/NDF: 14.9/9

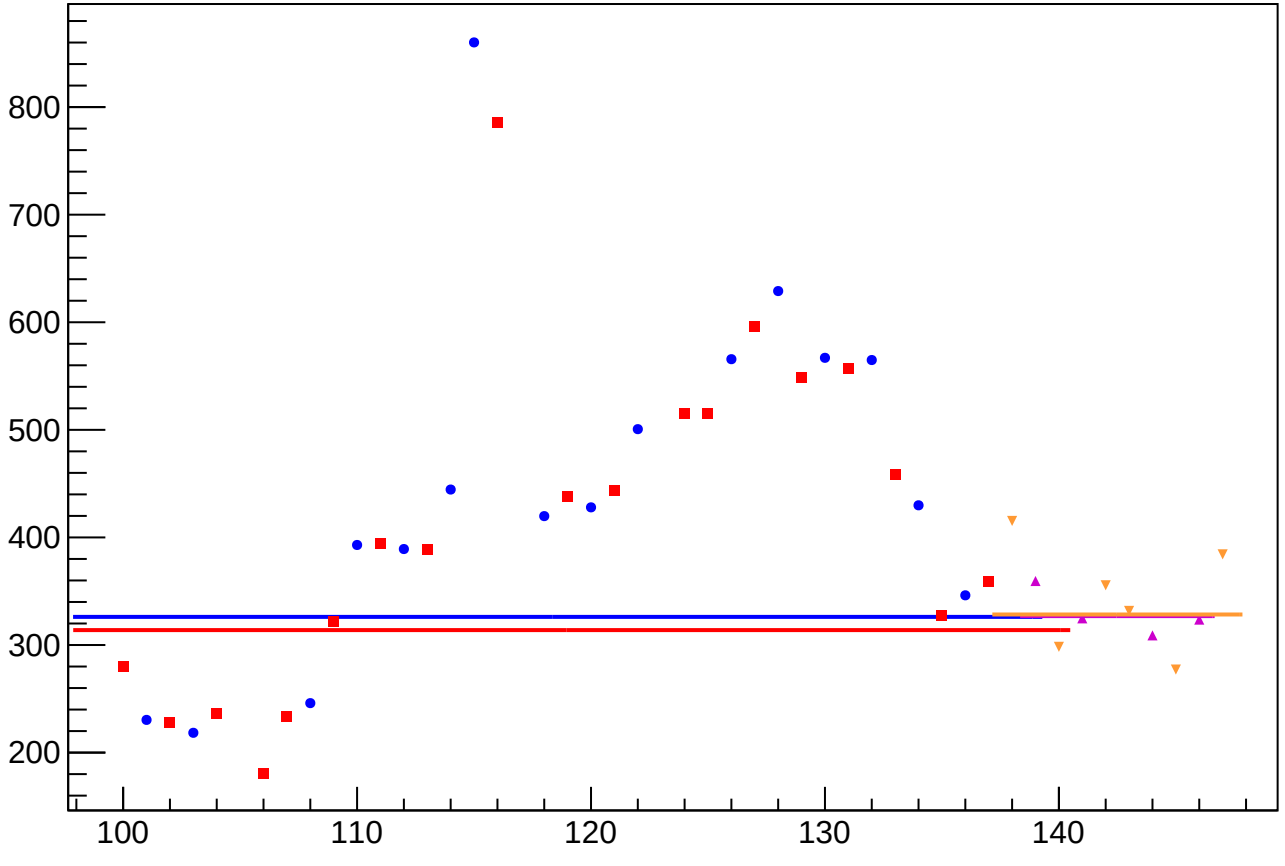
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -165.383+/-104.328 χ^2/NDF:16.8/19

Out: -17.170+/-96.968 χ^2/NDF:26.1/24

All: -85.864+/-71.026 χ^2/NDF: 44.0/44

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: 328.369+/-0.111 χ^2/NDF:179646.5/5

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 326.861+/-0.124 χ^2/NDF:19825.9/3

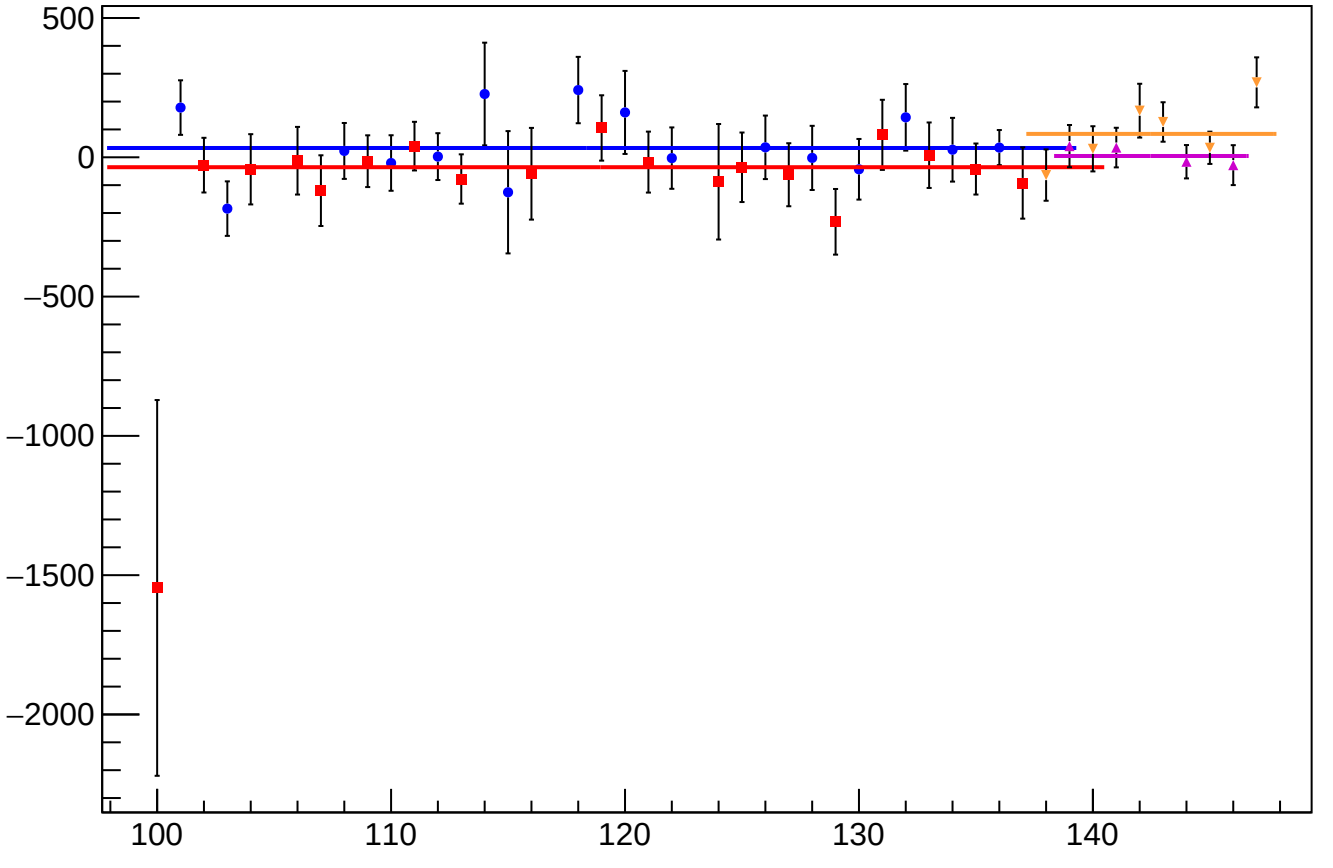
Left: 327.701+/-0.083 χ^2/NDF: 199554.6/9

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 326.401+/-0.074 χ^2/NDF:1753781.7/19

Out: 319.424+/-0.069 χ^2/NDF:1996010.4/24

All: 322.658+/-0.050 χ^2/NDF: 3754591.2/44



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 83.977+/-31.644 χ^2/NDF:9.1/5

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 4.676+/-34.393 χ^2/NDF:0.7/3

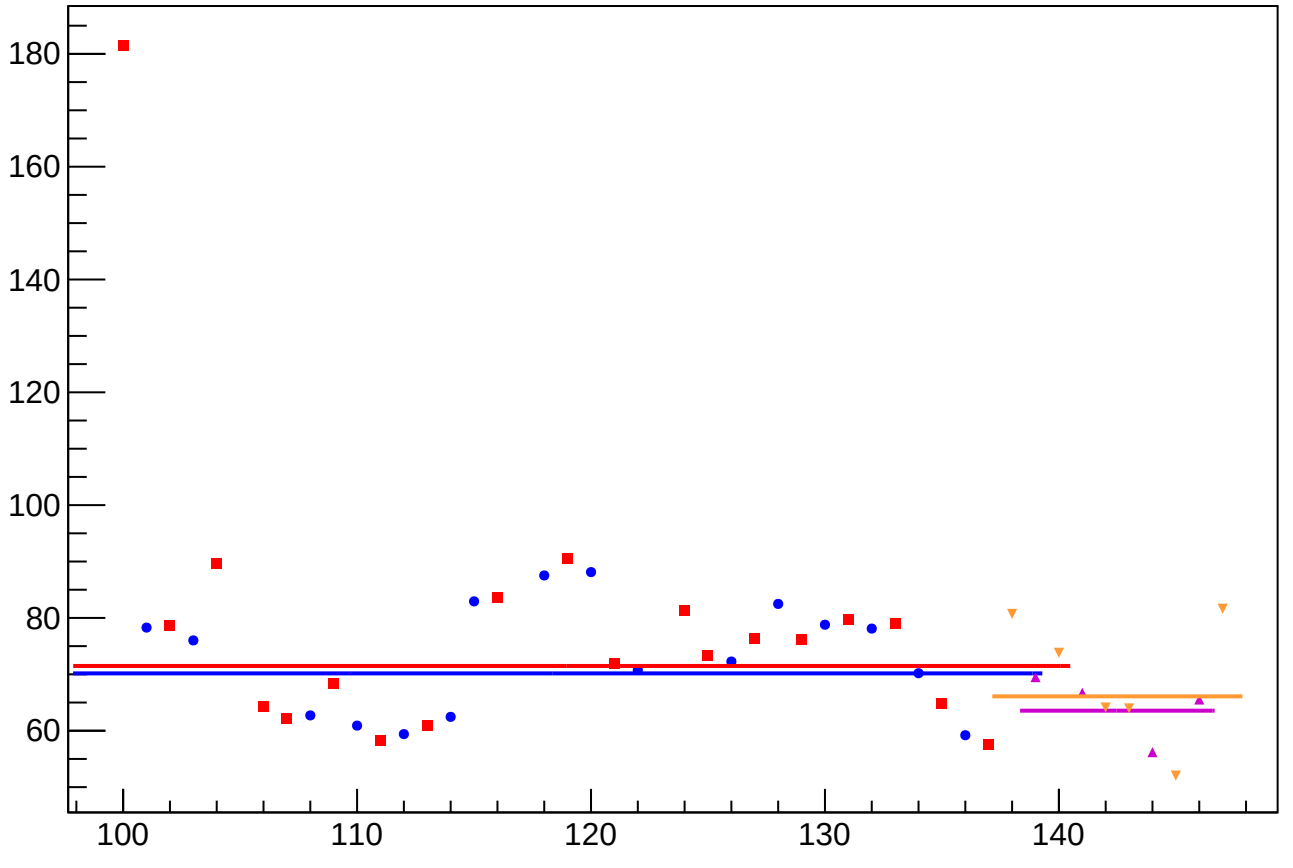
Left: 47.623+/-23.287 χ^2/NDF: 12.7/9

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 22.742+/-20.949 χ^2/NDF:15.7/19

Out: 13.785+/-20.333 χ^2/NDF:29.6/24

All: 18.130+/-14.591 χ^2/NDF: 45.4/44



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 66.096+/-0.022 χ^2/NDF:248671.0/5

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 63.555+/-0.024 χ^2/NDF:48030.3/3

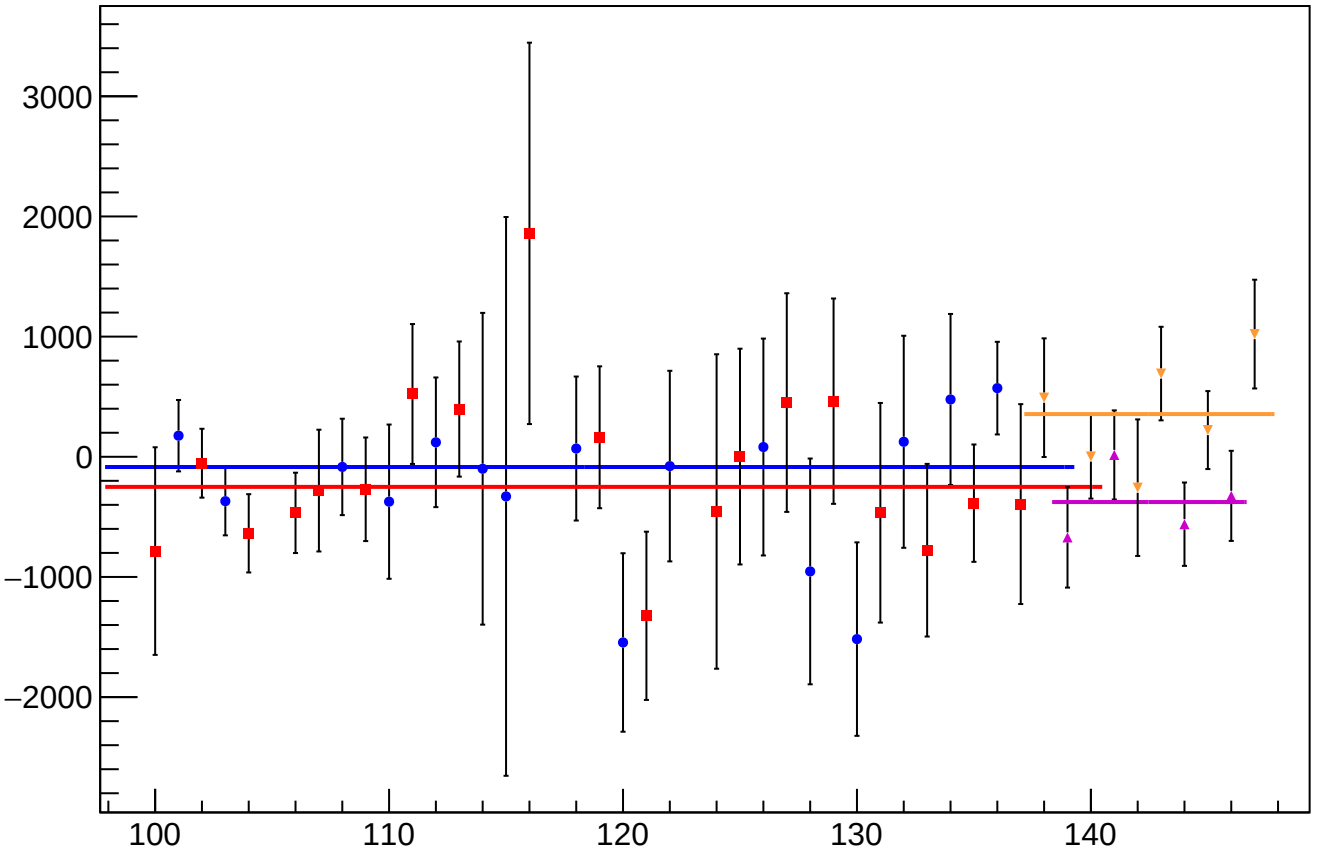
Left: 64.931+/-0.016 χ^2/NDF: 302614.6/9

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 67.714+/-0.015 χ^2/NDF:363779.7/19

Out: 69.259+/-0.014 χ^2/NDF:608416.8/24

All: 68.510+/-0.010 χ^2/NDF: 977796.9/44



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 355.292+/-165.901 χ^2/NDF:5.3/5

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -376.552+/-187.545 χ^2/NDF:1.9/3

Left: 34.019+/-124.260 χ^2/NDF: 15.8/9

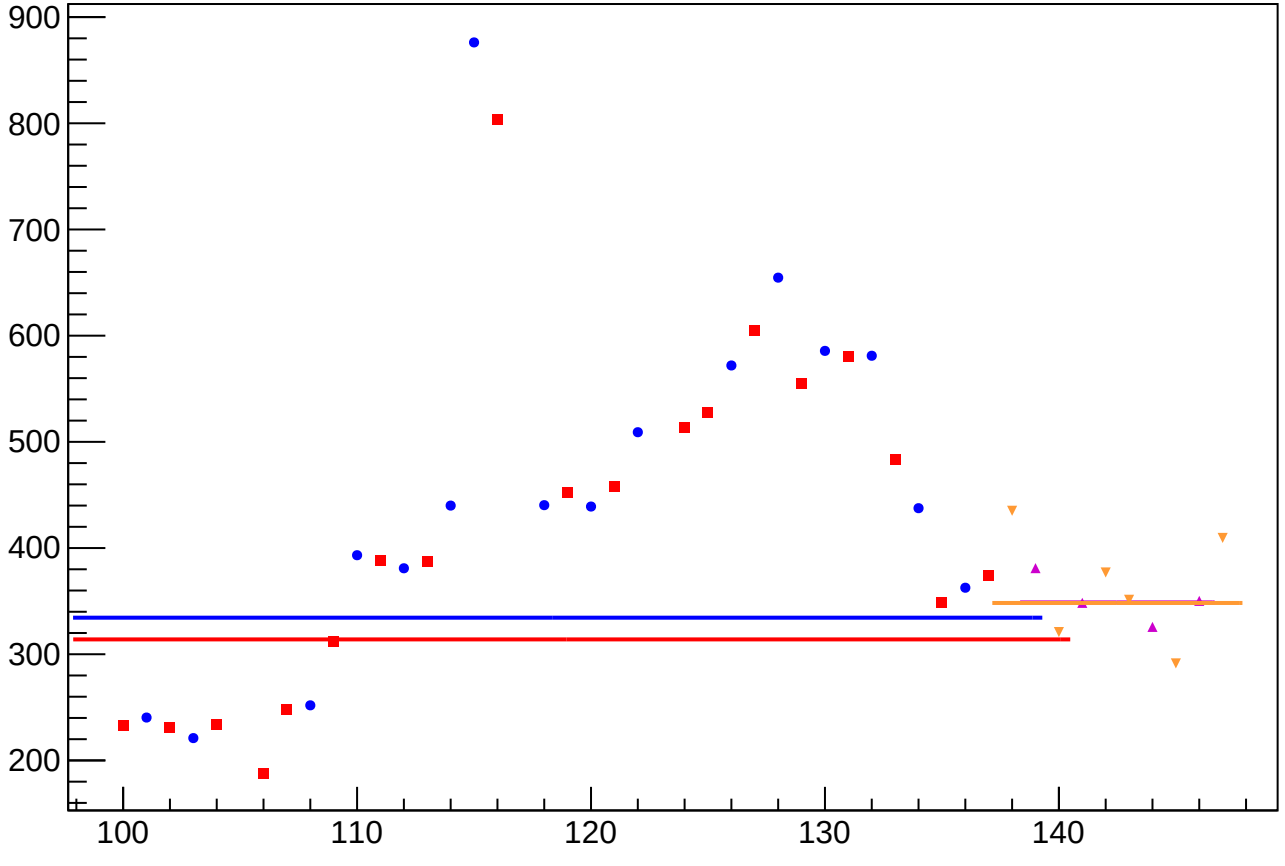
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -182.563+/-108.422 χ^2/NDF:17.2/19

Out: -34.902+/-98.962 χ^2/NDF:26.4/24

All: -102.011+/-73.093 χ^2/NDF: 44.6/44

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 348.285+/-0.117 χ^2/NDF:177538.5/5

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 348.834+/-0.133 χ^2/NDF:20797.1/3

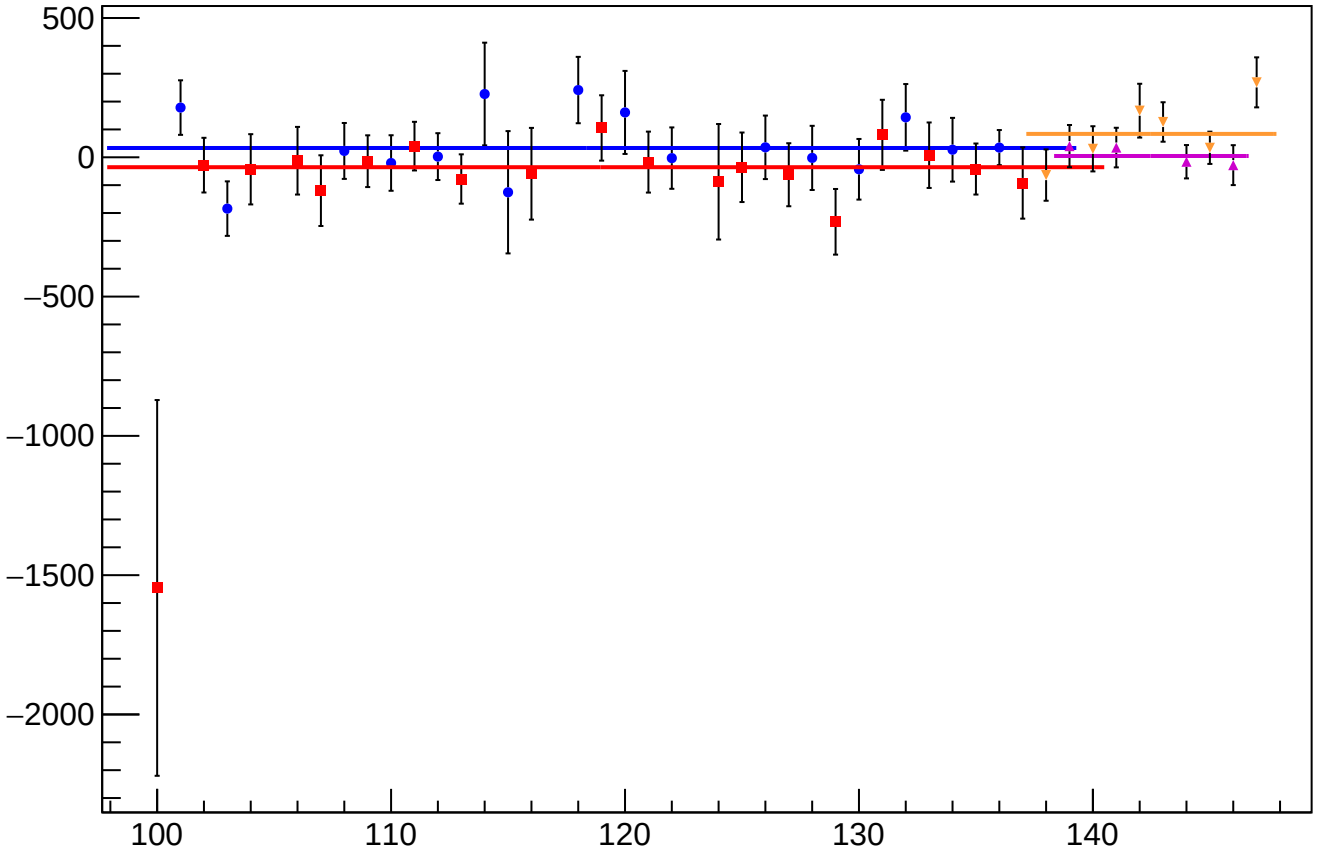
Left: 348.526+/-0.088 χ^2/NDF: 198345.2/9

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 339.245+/-0.077 χ^2/NDF:1759260.9/19

Out: 326.181+/-0.070 χ^2/NDF:2137260.4/24

All: 332.118+/-0.052 χ^2/NDF: 3912360.2/44



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 83.977+/-31.644 χ^2/NDF:9.1/5

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 4.677+/-34.393 χ^2/NDF:0.7/3

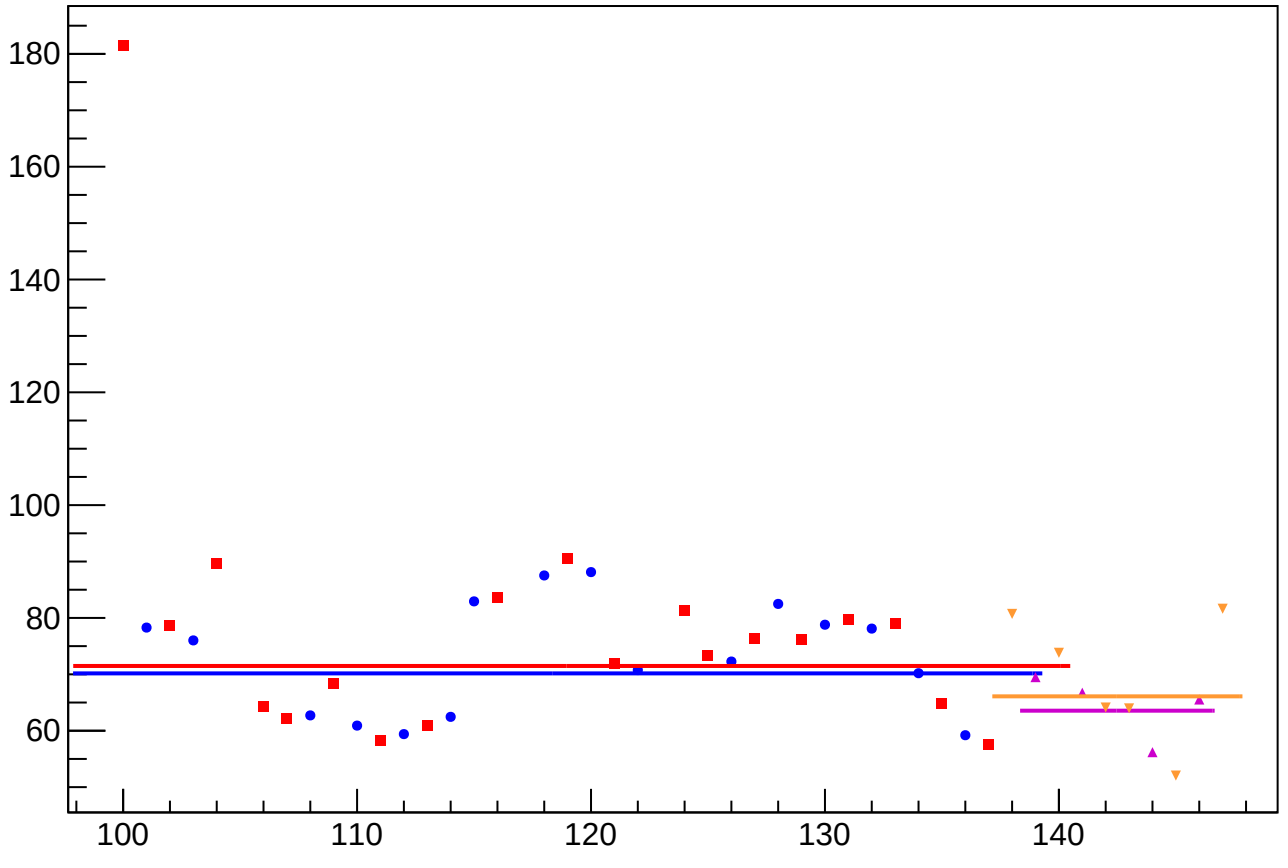
Left: 47.623+/-23.287 χ^2/NDF: 12.7/9

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 22.742+/-20.949 χ^2/NDF:15.7/19

Out: 13.785+/-20.333 χ^2/NDF:29.6/24

All: 18.129+/-14.591 χ^2/NDF: 45.4/44



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 66.096+/-0.022 χ^2/NDF:248674.3/5

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 63.555+/-0.024 χ^2/NDF:48028.9/3

Left: 64.931+/-0.016 χ^2/NDF: 302616.2/9

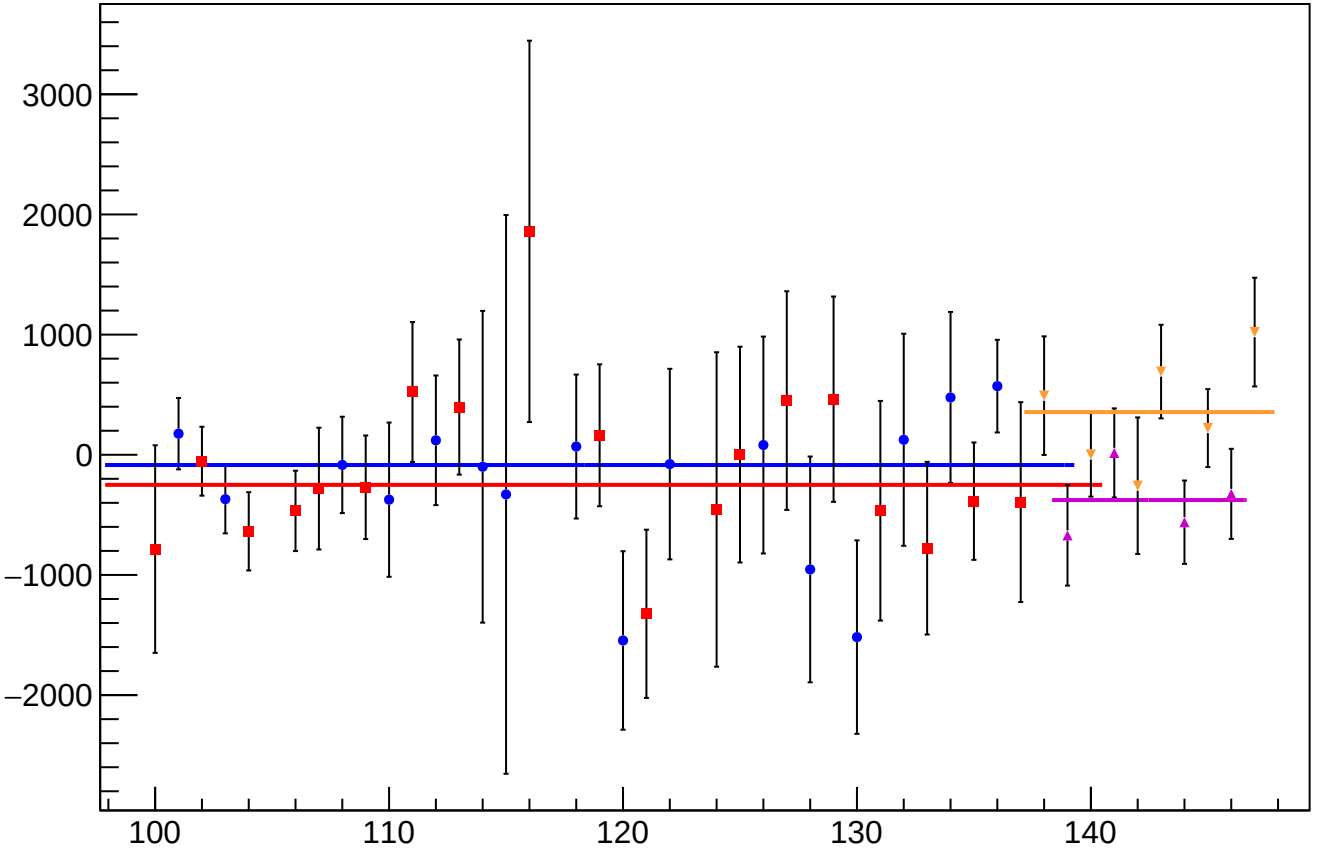
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 67.714+/-0.015 χ^2/NDF:363783.9/19

Out: 69.259+/-0.014 χ^2/NDF:608429.2/24

All: 68.510+/-0.010 χ^2/NDF: 977813.3/44

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 355.292+/-165.900 χ^2/NDF:5.3/5

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -376.551+/-187.545 χ^2/NDF:1.9/3

Left: 34.020+/-124.260 χ^2/NDF: 15.8/9

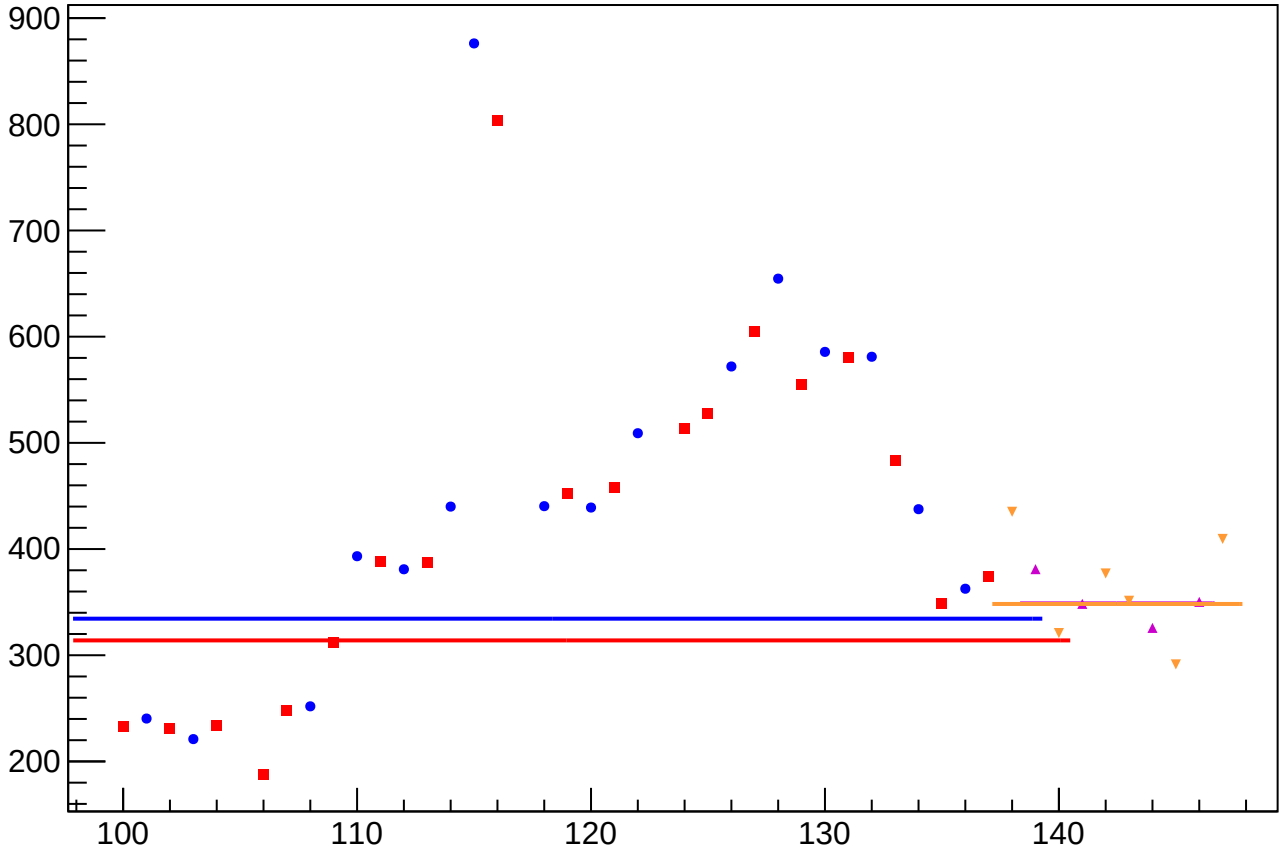
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -182.564+/-108.422 χ^2/NDF:17.2/19

Out: -34.902+/-98.962 χ^2/NDF:26.4/24

All: -102.011+/-73.093 χ^2/NDF: 44.6/44

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: 348.285+/-0.117 χ^2/NDF:177540.9/5

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 348.834+/-0.133 χ^2/NDF:20797.0/3

Left: 348.526+/-0.088 χ^2/NDF: 198347.5/9

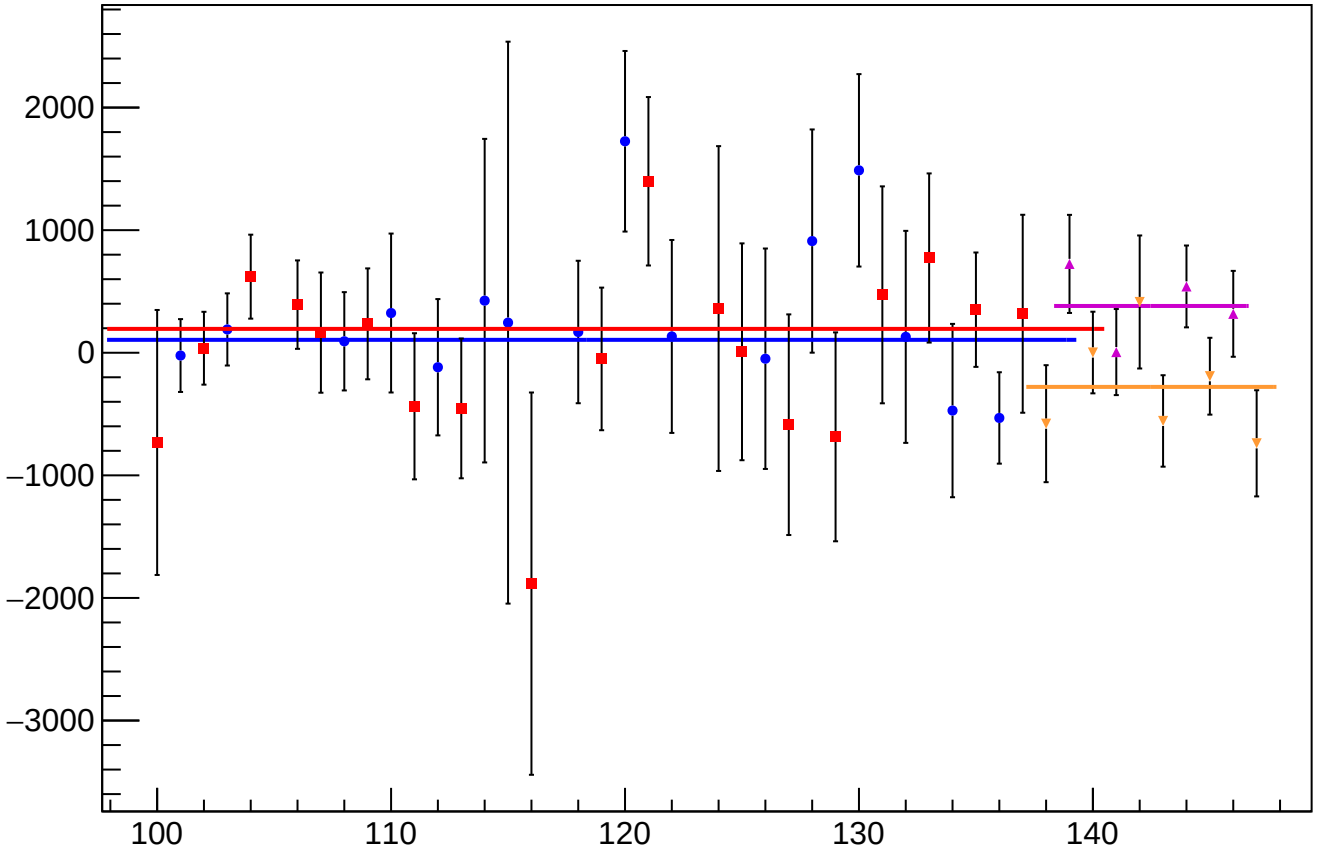
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 339.245+/-0.077 χ^2/NDF:1759259.6/19

Out: 326.181+/-0.070 χ^2/NDF:2137259.7/24

All: 332.118+/-0.052 χ^2/NDF: 3912359.0/44

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -278.500+/-159.089 χ^2/NDF:4.5/5

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 381.632+/-178.227 χ^2/NDF:2.1/3

Left: 14.233+/-118.685 χ^2/NDF: 14.3/9

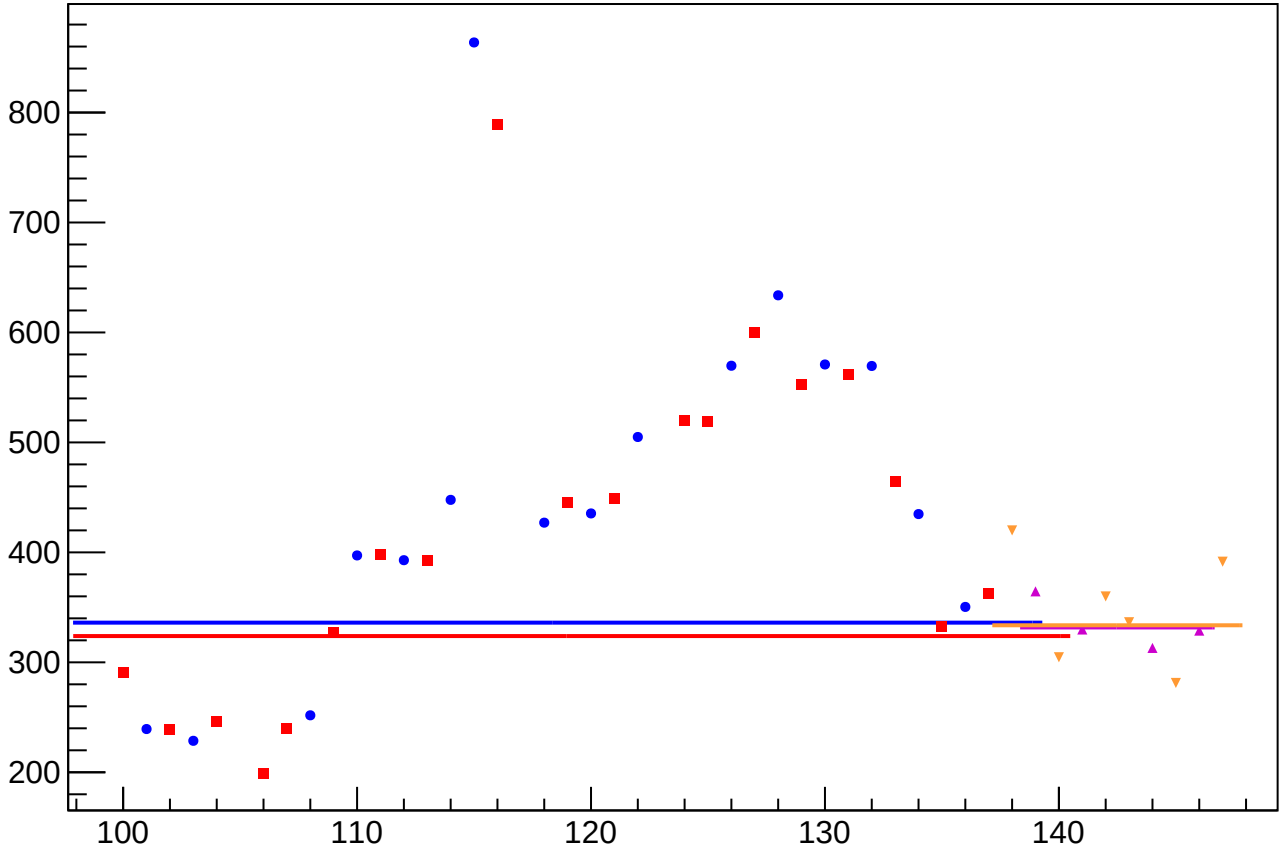
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 204.242+/-106.616 χ^2/NDF:16.6/19

Out: 11.947+/-98.869 χ^2/NDF:23.1/24

All: 100.855+/-72.495 χ^2/NDF: 41.5/44

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 333.695+/-0.112 χ^2/NDF:177102.6/5

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 331.713+/-0.126 χ^2/NDF:19878.2/3

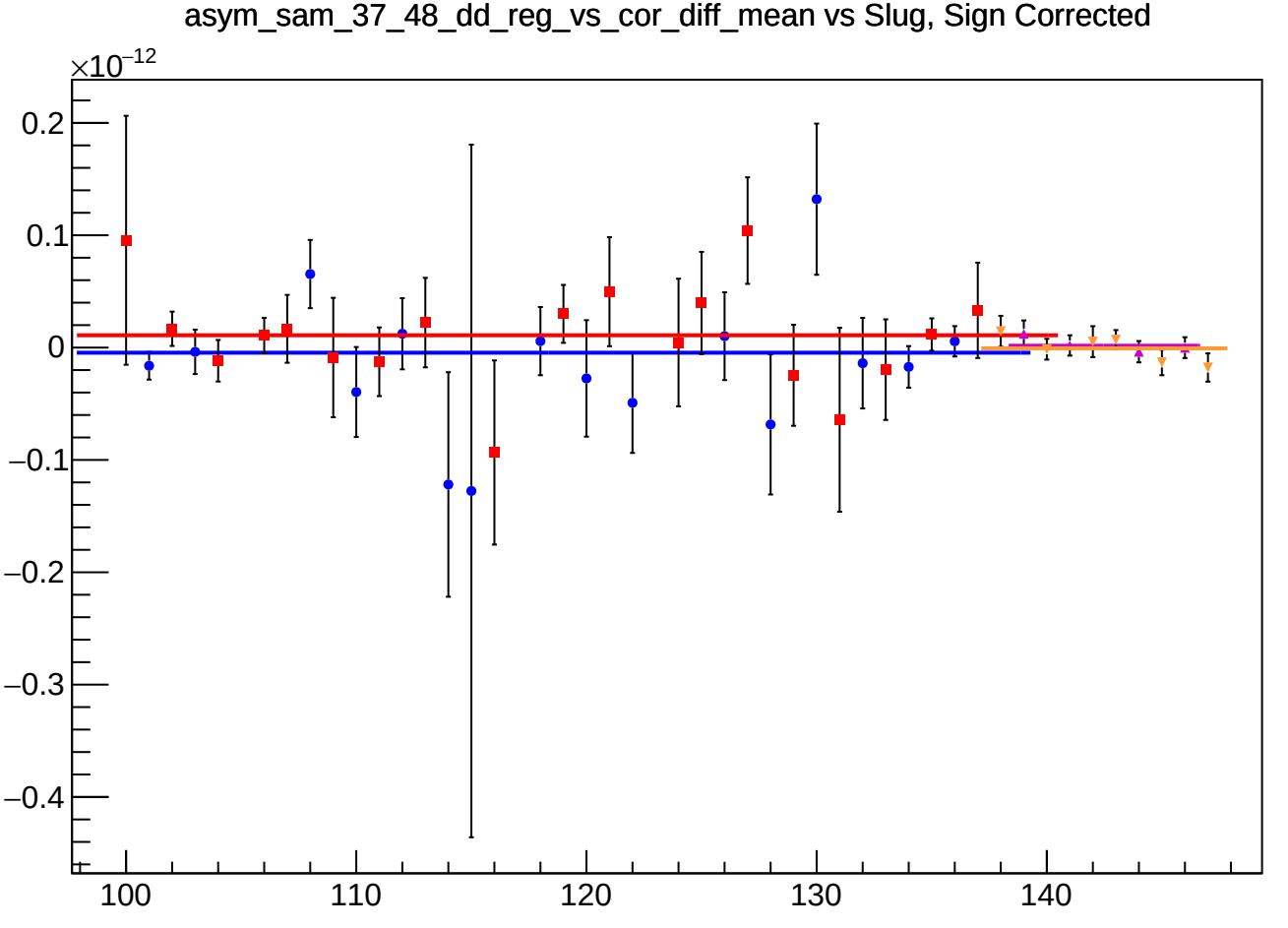
Left: 332.816+/-0.084 χ^2/NDF: 197118.4/9

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 334.525+/-0.075 χ^2/NDF:1639650.8/19

Out: 327.674+/-0.070 χ^2/NDF:1847190.4/24

All: 330.841+/-0.051 χ^2/NDF: 3491281.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/3

Left: 0.000+/-0.000 χ^2/NDF: 6.5/9

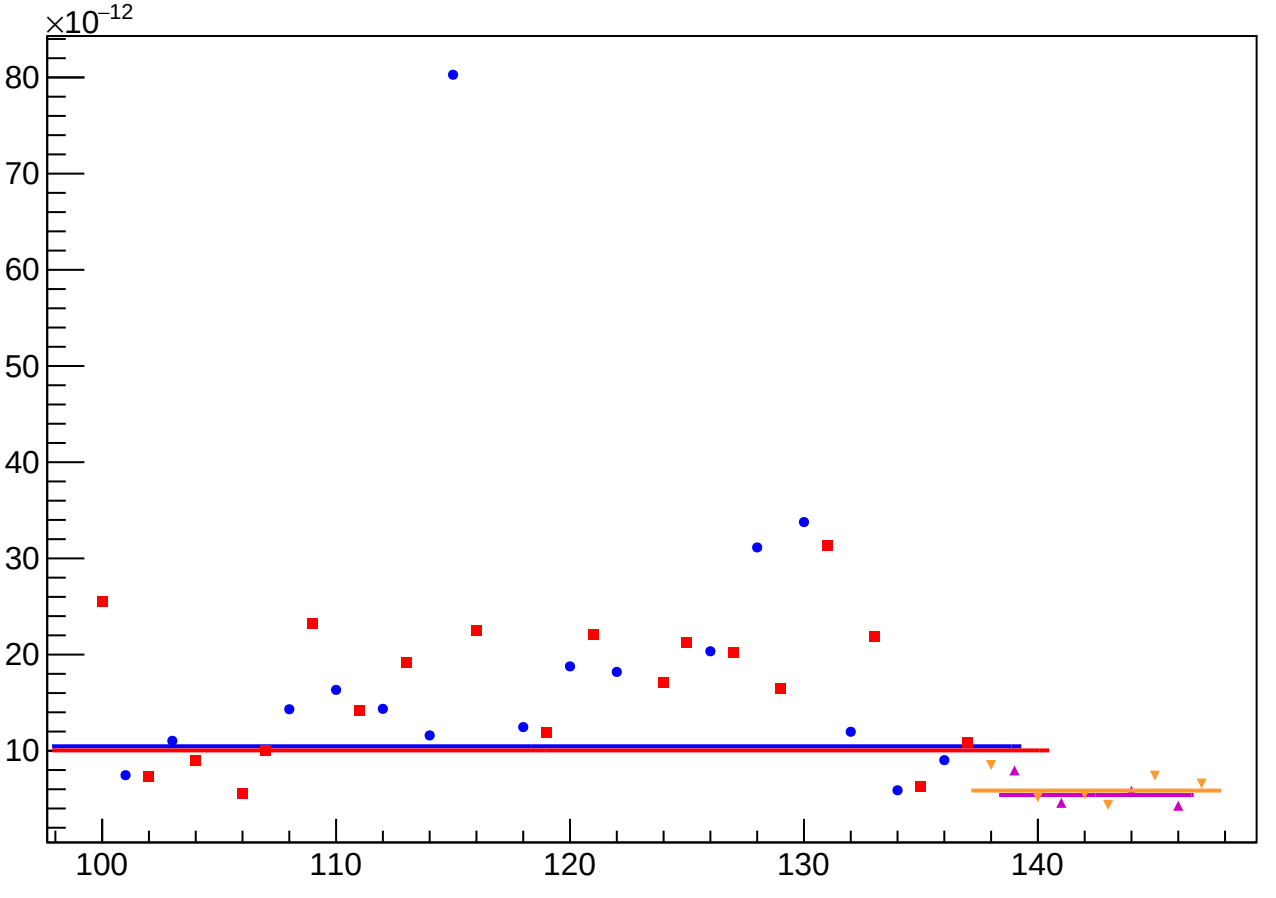
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:18.2/19

Out: 0.000+/-0.000 χ^2/NDF:19.8/24

All: 0.000+/-0.000 χ^2/NDF: 38.6/44

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:190935.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:141827.3/3

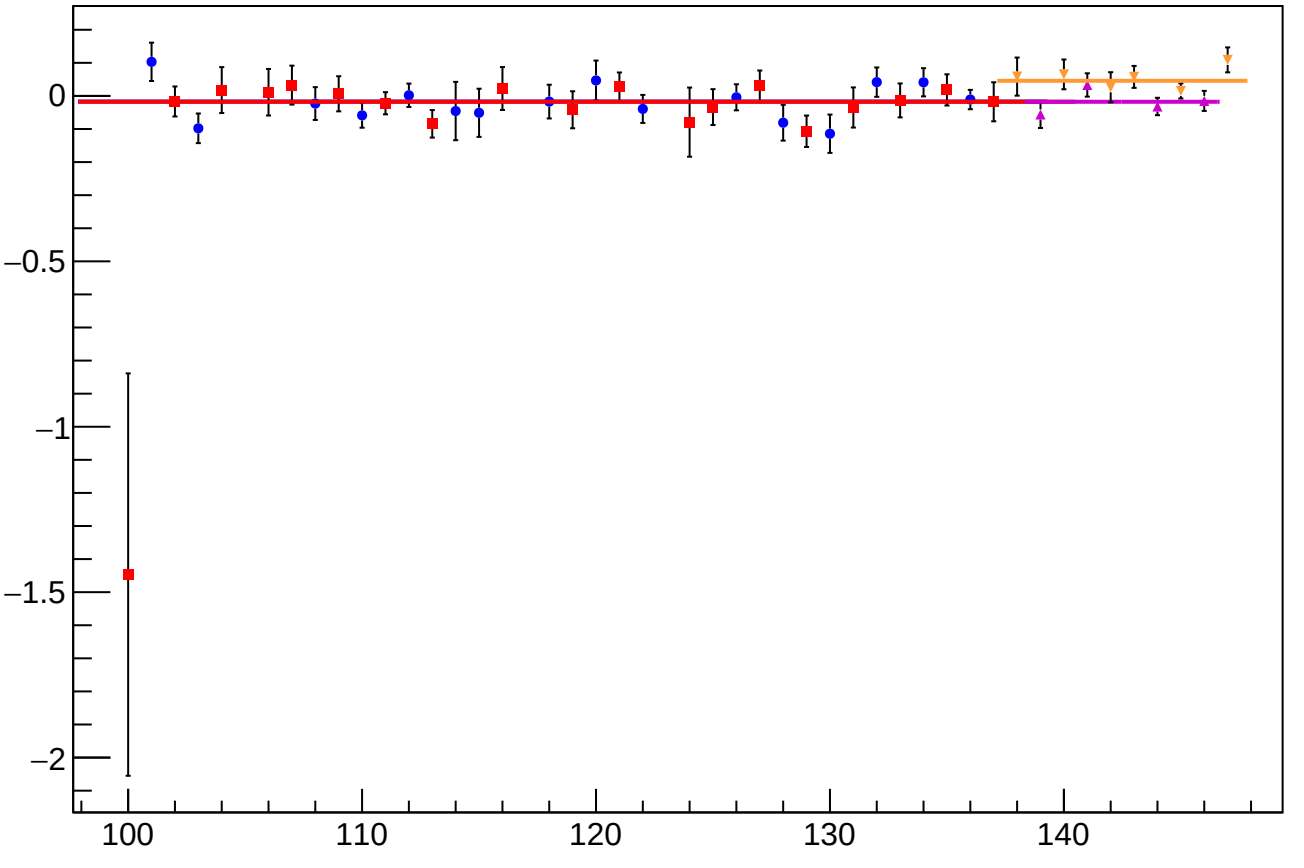
Left: 0.000+/-0.000 χ^2/NDF: 342404.9/9

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2109728.0/19

Out: 0.000+/-0.000 χ^2/NDF:2176020.1/24

All: 0.000+/-0.000 χ^2/NDF: 4285766.3/44



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.018+/-0.016 χ^2/NDF:3.3/3

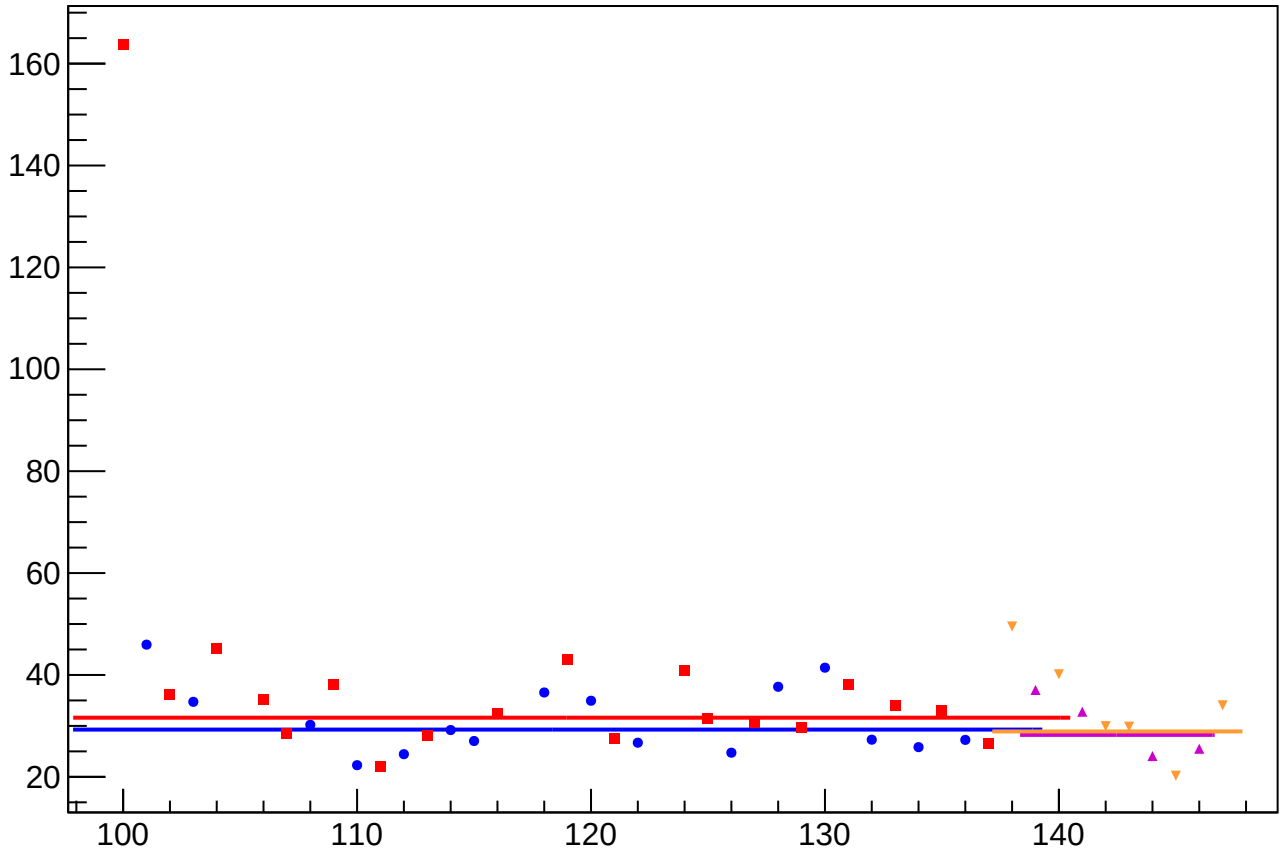
Left: 0.017+/-0.011 χ^2/NDF: 17.1/9

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.009 χ^2/NDF:22.1/19

Out: 0.009+/-0.009 χ^2/NDF:33.3/24

All: -0.004+/-0.007 χ^2/NDF: 59.3/44



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.913+/-0.010 χ^2/NDF:709674.8/5

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.236+/-0.011 χ^2/NDF:192465.0/3

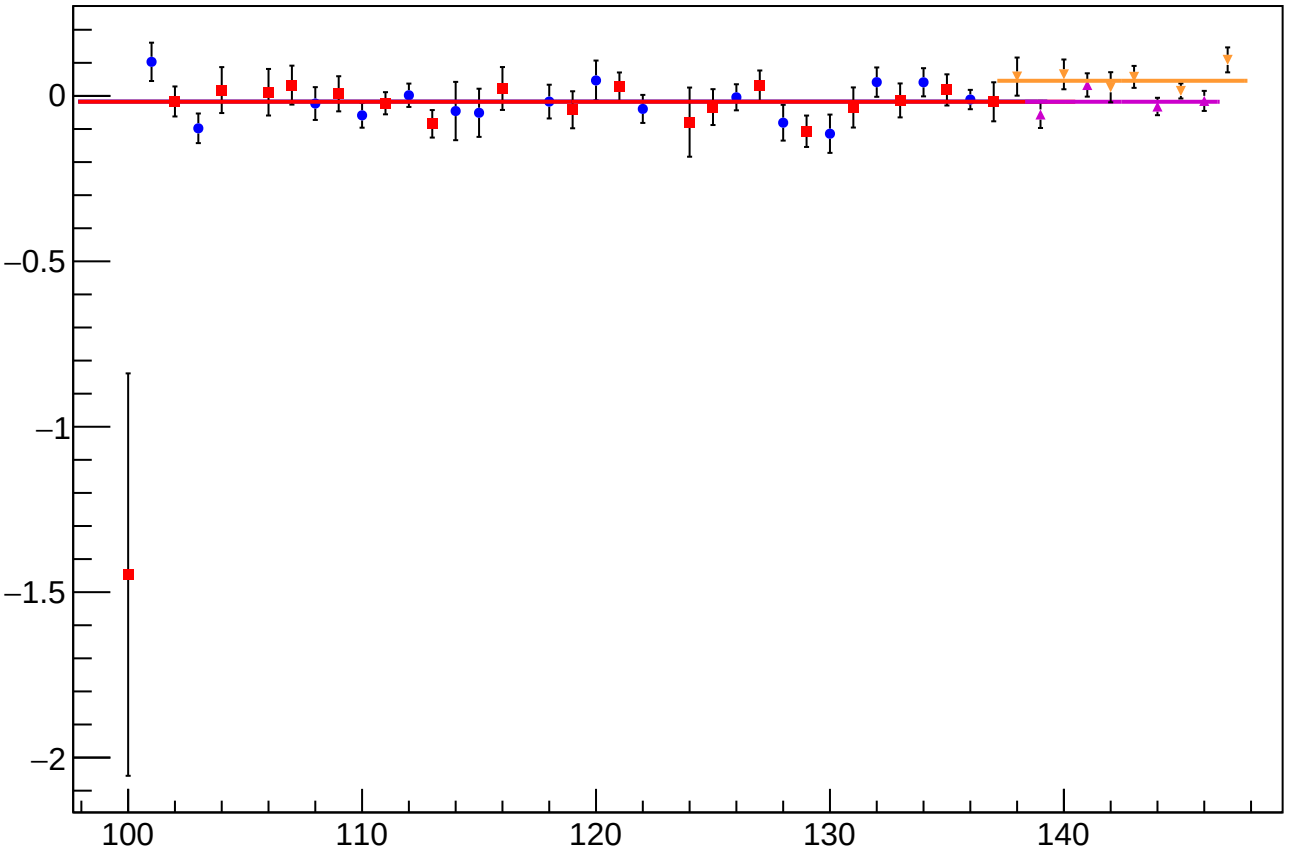
Left: 28.608+/-0.008 χ^2/NDF: 904124.9/9

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.928+/-0.007 χ^2/NDF:758801.8/19

Out: 30.497+/-0.007 χ^2/NDF:1323036.8/24

All: 29.710+/-0.005 χ^2/NDF: 2110595.5/44



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.018+/-0.016 χ^2/NDF:3.3/3

Left: 0.017+/-0.011 χ^2/NDF: 17.1/9

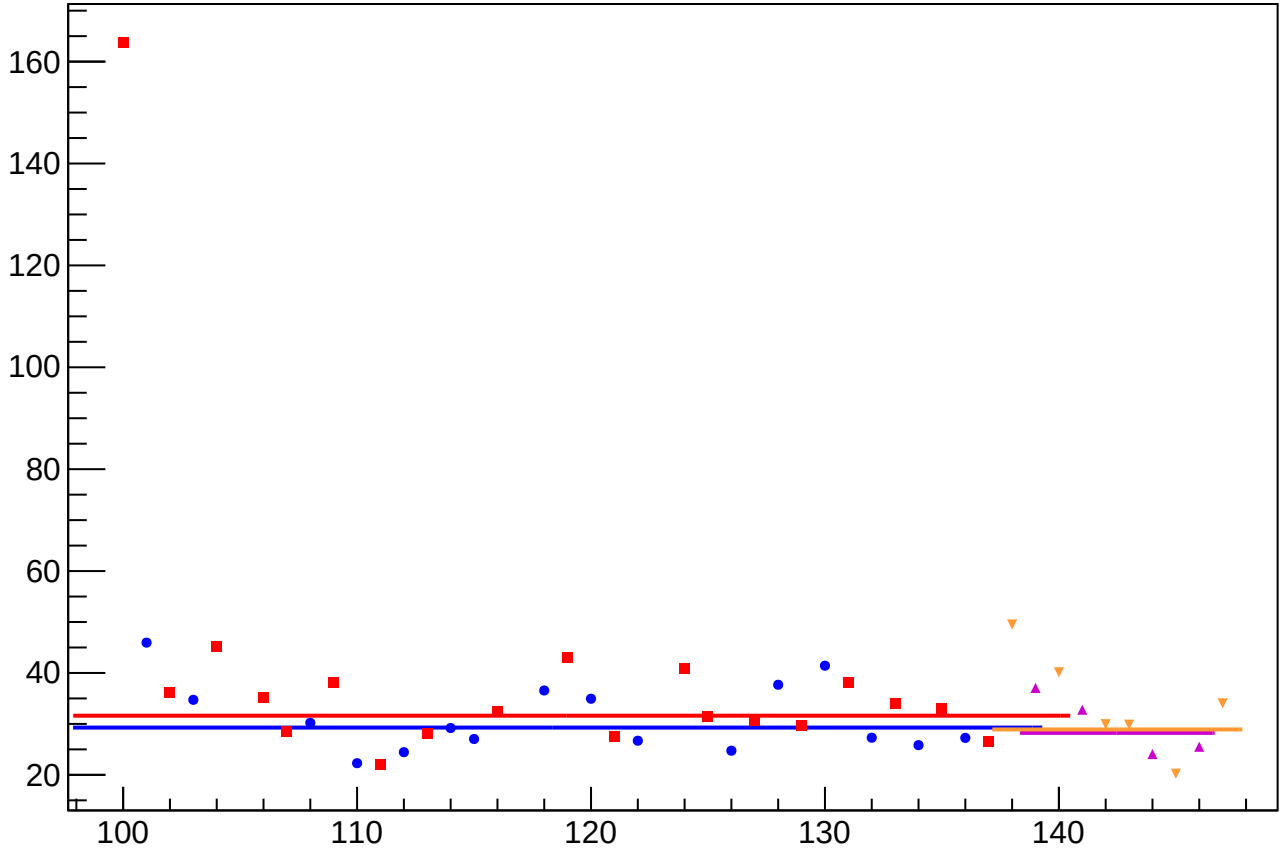
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.009 χ^2/NDF:22.1/19

Out: 0.009+/-0.009 χ^2/NDF:33.3/24

All: -0.004+/-0.007 χ^2/NDF: 59.3/44

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: 28.913+/-0.010 χ^2/NDF:709674.8/5

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.236+/-0.011 χ^2/NDF:192465.0/3

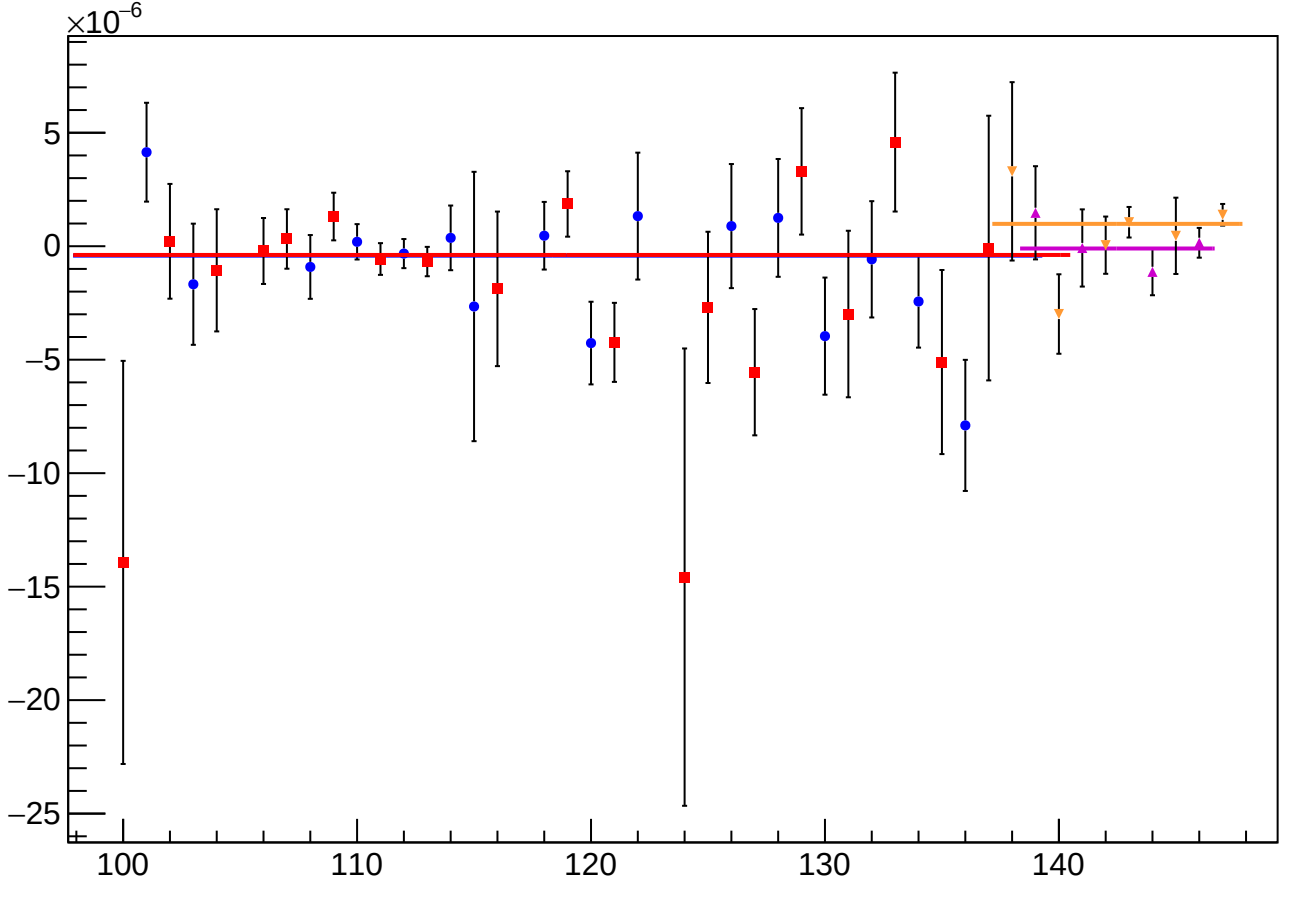
Left: 28.608+/-0.008 χ^2/NDF: 904124.9/9

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.928+/-0.007 χ^2/NDF:758801.8/19

Out: 30.497+/-0.007 χ^2/NDF:1323036.8/24

All: 29.710+/-0.005 χ^2/NDF: 2110595.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/3

Left: 0.000+/-0.000 χ^2/NDF: 11.7/9

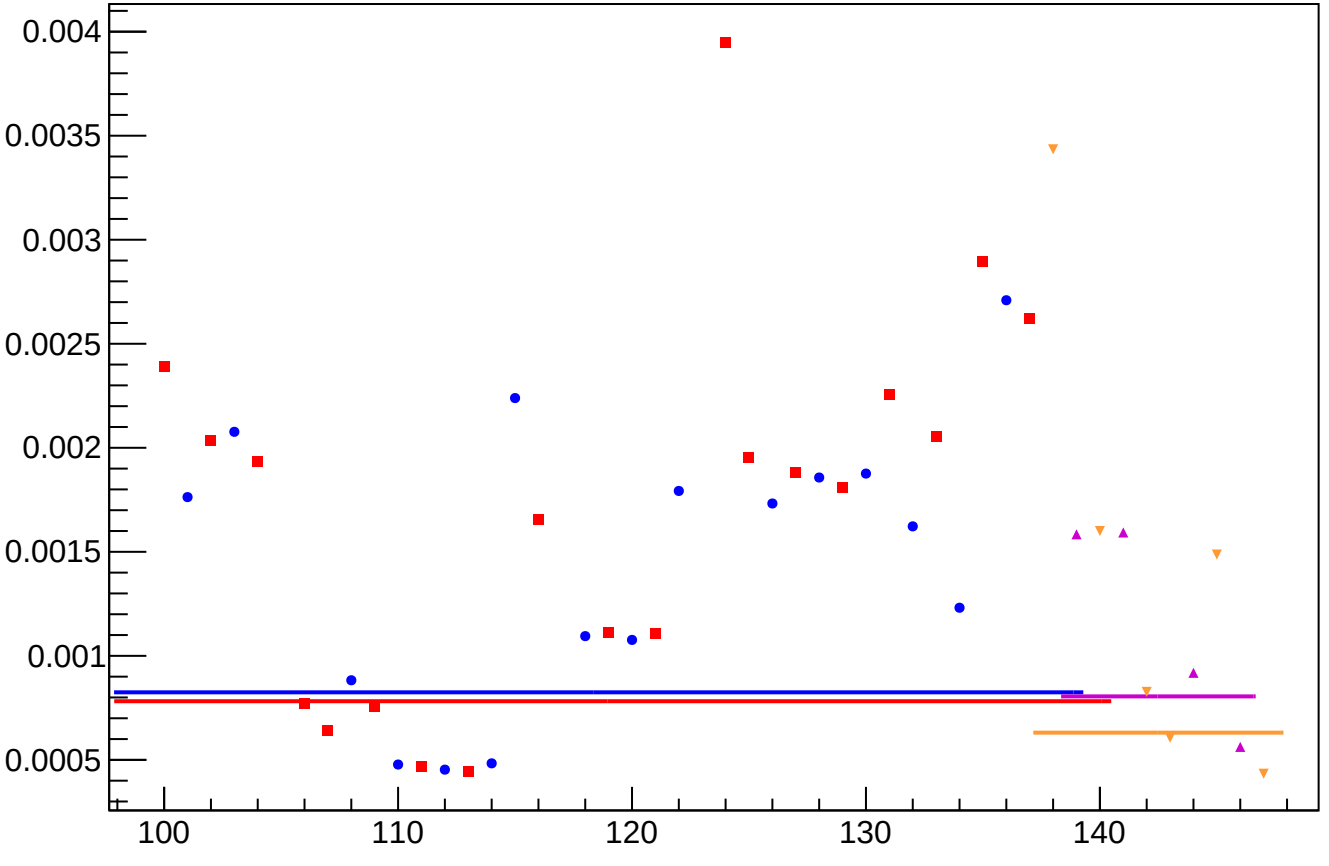
Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:23.2/19

Out: 0.000+/-0.000 χ^2/NDF:39.8/24

All: 0.000+/-0.000 χ^2/NDF: 65.3/44

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2543397.4/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1014686.7/3

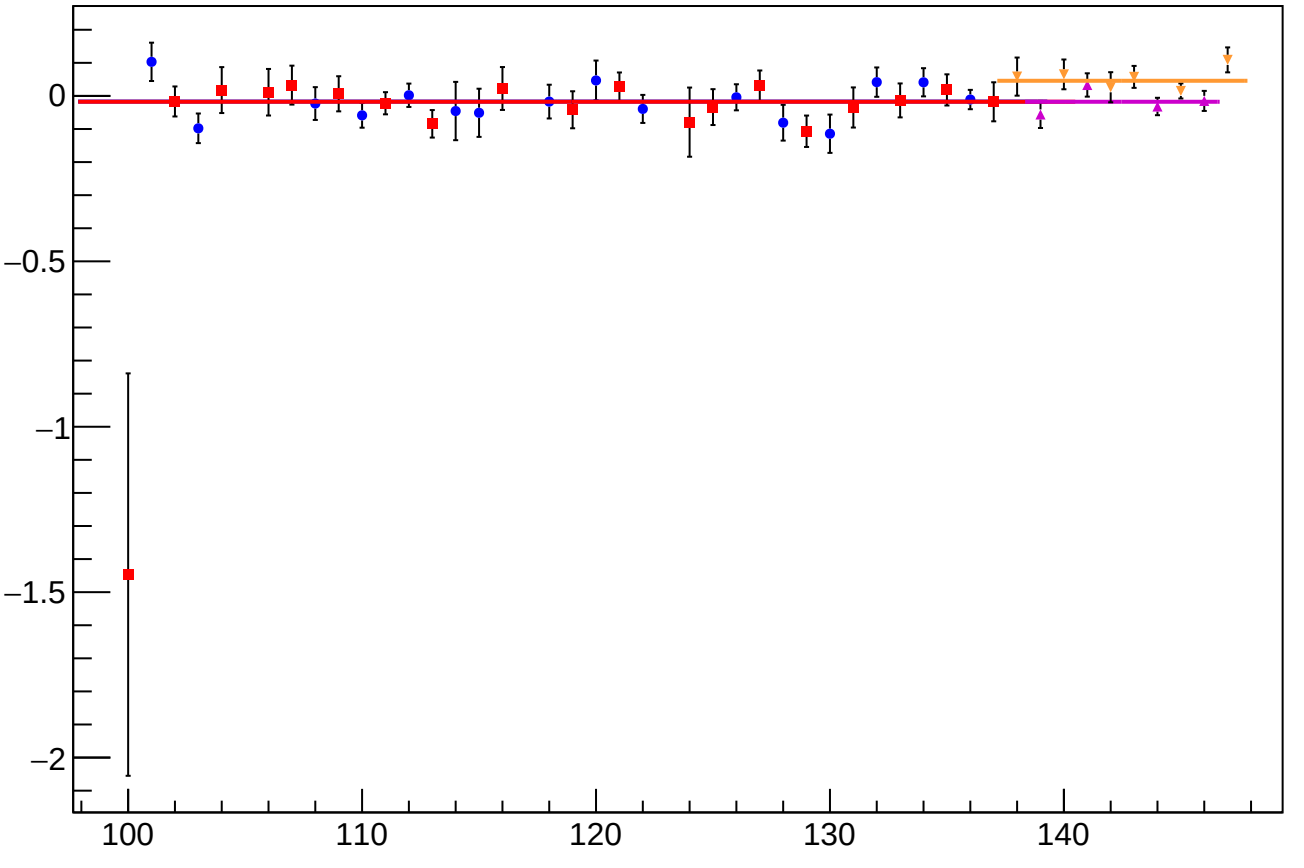
Left: 0.001+/-0.000 χ^2/NDF: 3715539.5/9

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:5465335.2/19

Out: 0.001+/-0.000 χ^2/NDF:7366482.8/24

All: 0.001+/-0.000 χ^2/NDF: 12992416.0/44



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.018+/-0.016 χ^2/NDF:3.3/3

Left: 0.017+/-0.011 χ^2/NDF: 17.1/9

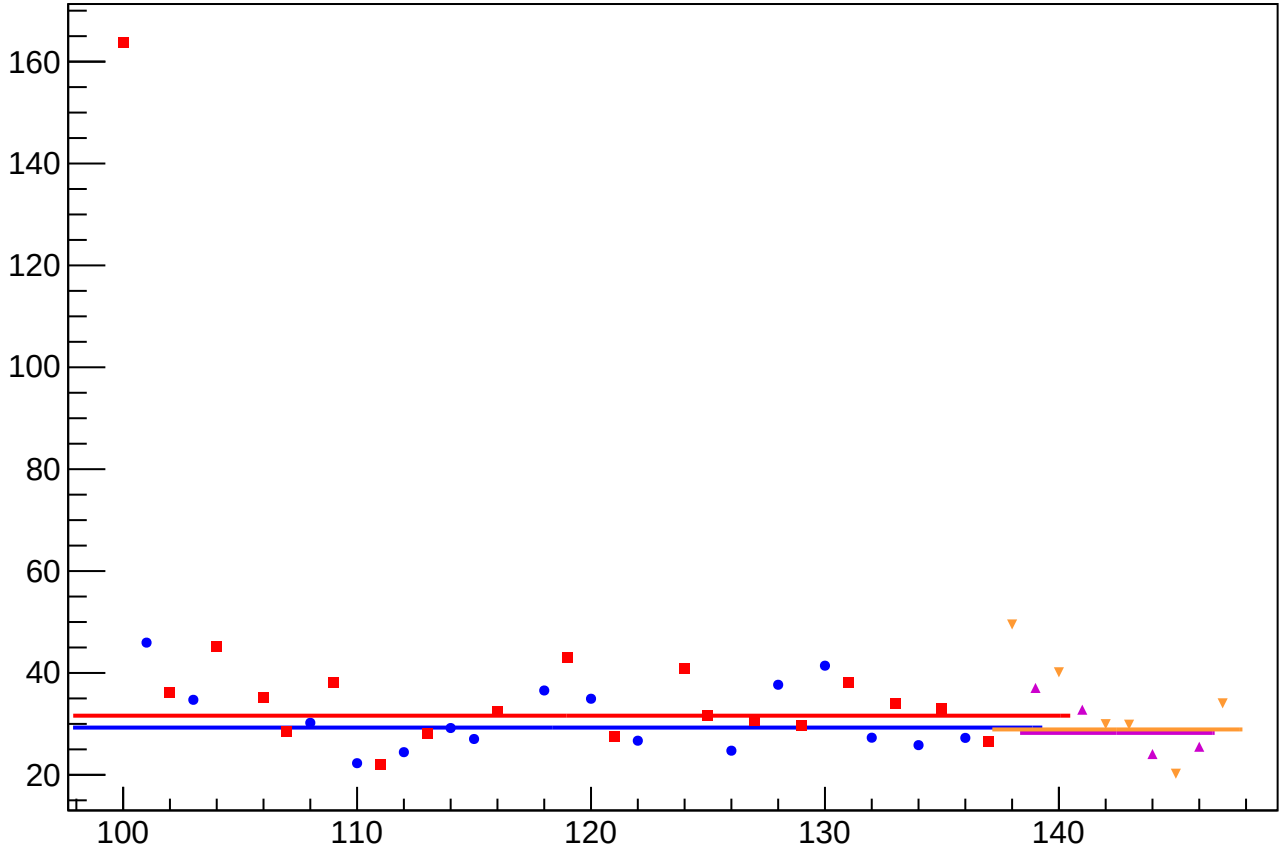
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.009 χ^2/NDF:22.1/19

Out: 0.009+/-0.009 χ^2/NDF:33.3/24

All: -0.004+/-0.007 χ^2/NDF: 59.3/44

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: 28.912+/-0.010 χ^2/NDF:709731.9/5

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.235+/-0.011 χ^2/NDF:192443.3/3

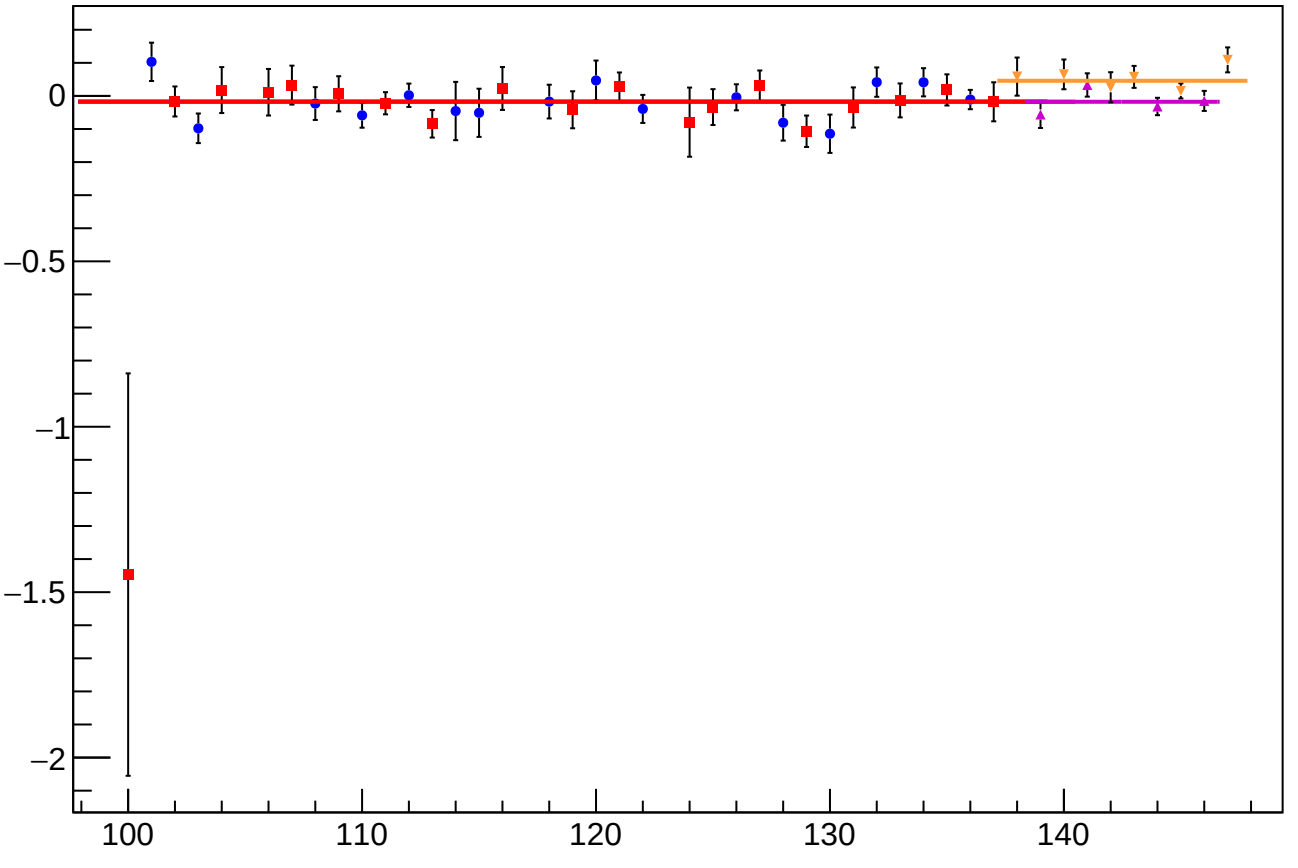
Left: 28.608+/-0.008 χ^2/NDF: 904157.7/9

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.928+/-0.007 χ^2/NDF:758781.9/19

Out: 30.497+/-0.007 χ^2/NDF:1323116.2/24

All: 29.710+/-0.005 χ^2/NDF: 2110649.3/44



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.046+/-0.014 χ^2/NDF:5.2/5

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.018+/-0.016 χ^2/NDF:3.3/3

Left: 0.017+/-0.011 χ^2/NDF: 17.1/9

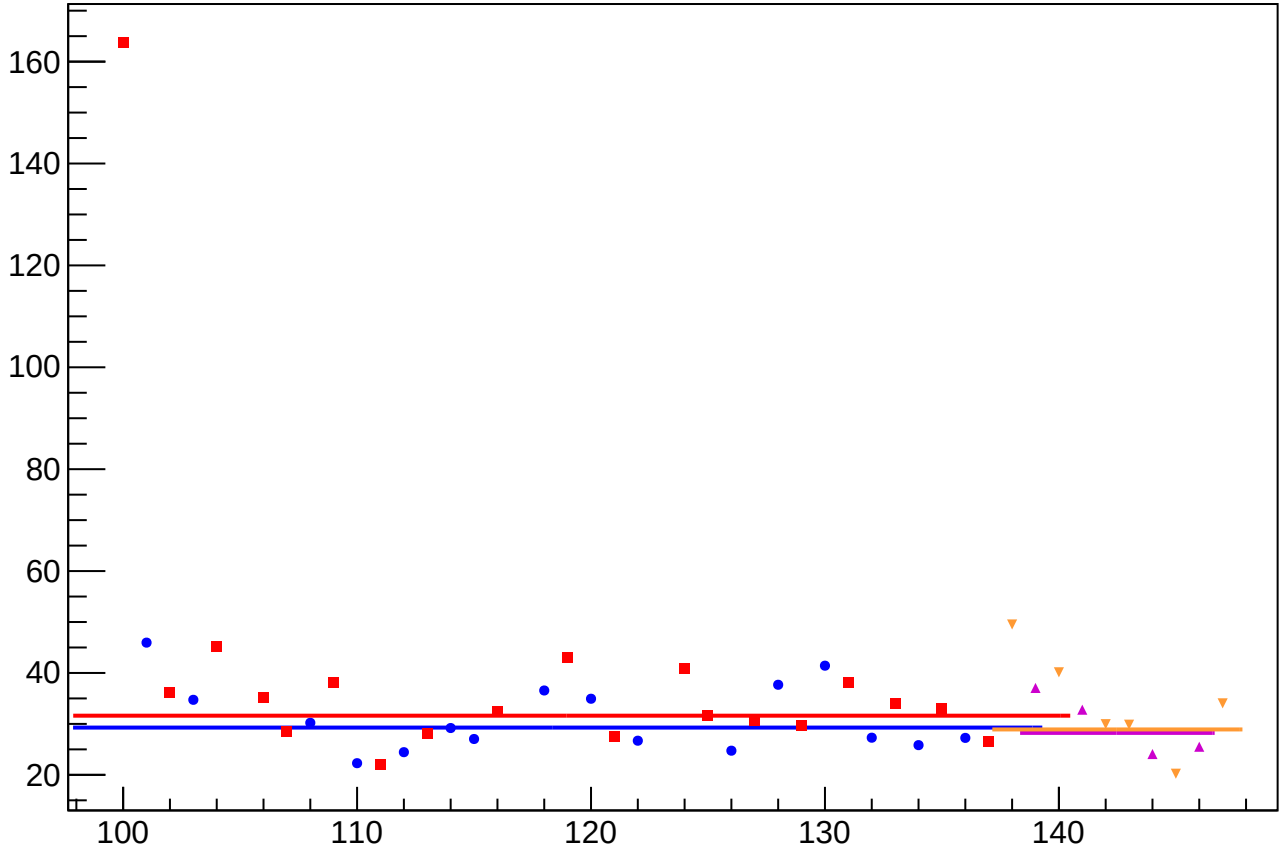
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.017+/-0.009 χ^2/NDF:22.1/19

Out: 0.009+/-0.009 χ^2/NDF:33.3/24

All: -0.004+/-0.007 χ^2/NDF: 59.3/44

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: 28.912+/-0.010 χ^2/NDF:709731.9/5

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.235+/-0.011 χ^2/NDF:192443.3/3

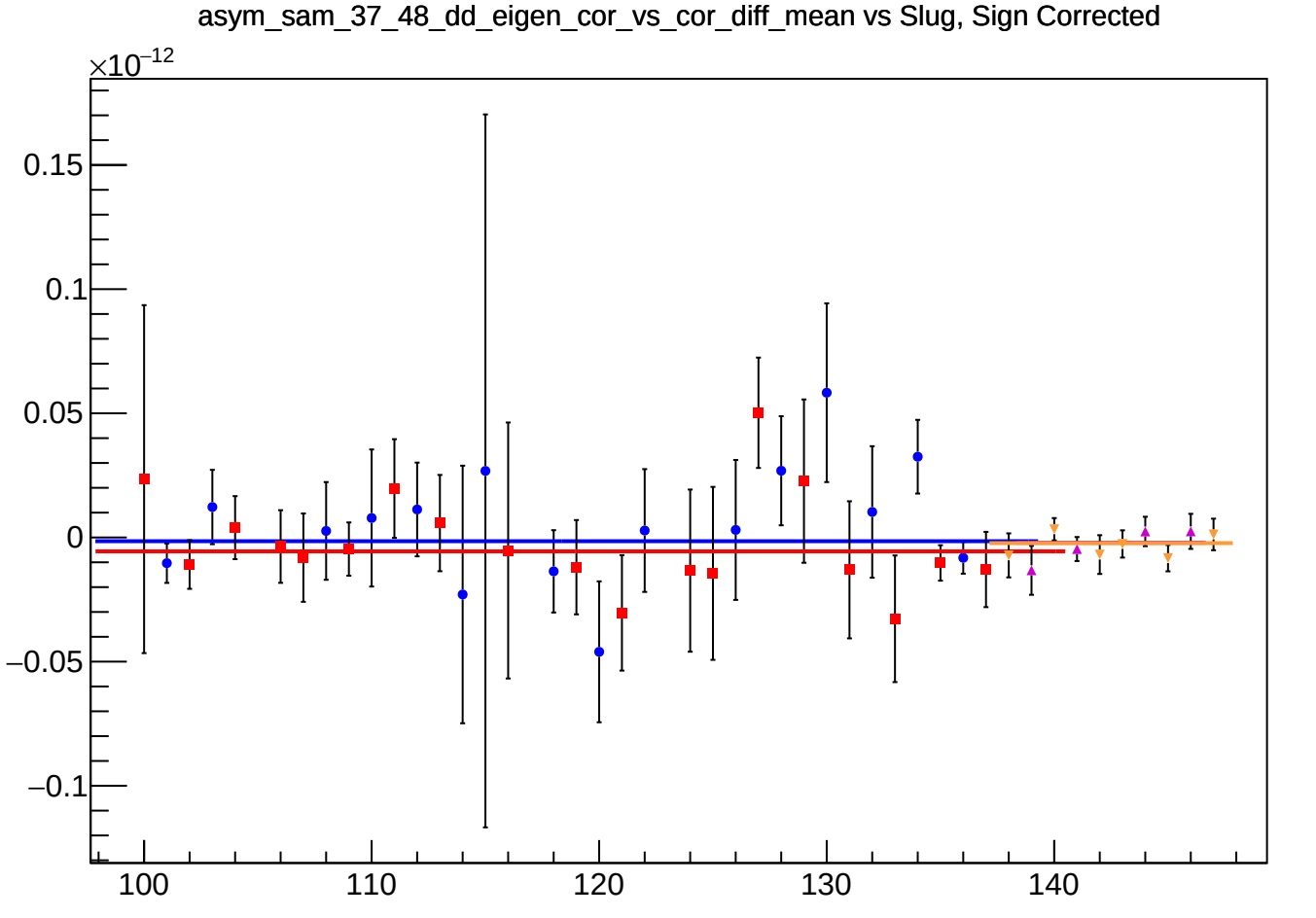
Left: 28.608+/-0.008 χ^2/NDF: 904157.7/9

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

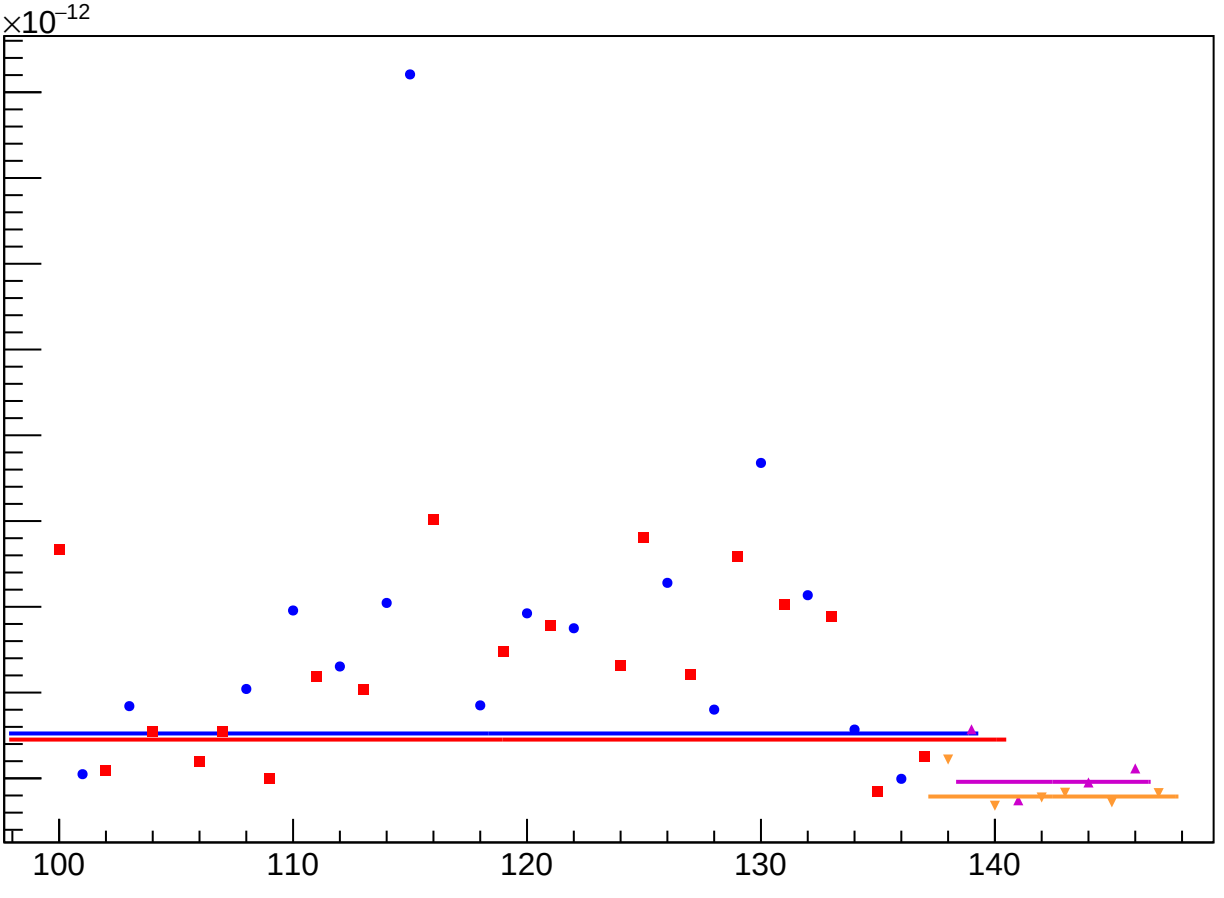
In: 28.928+/-0.007 χ^2/NDF:758781.9/19

Out: 30.497+/-0.007 χ^2/NDF:1323116.2/24

All: 29.710+/-0.005 χ^2/NDF: 2110649.3/44


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
Right In: -0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:3.8/5
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/18
Left In: -0.000+/-0.000 χ²/NDF:2.5/3
Left: -0.000+/-0.000 χ²/NDF: 6.4/9
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:19.5/19
Out: -0.000+/-0.000 χ²/NDF:17.7/24
All: -0.000+/-0.000 χ²/NDF: 37.4/44

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:160409.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:316067.6/3

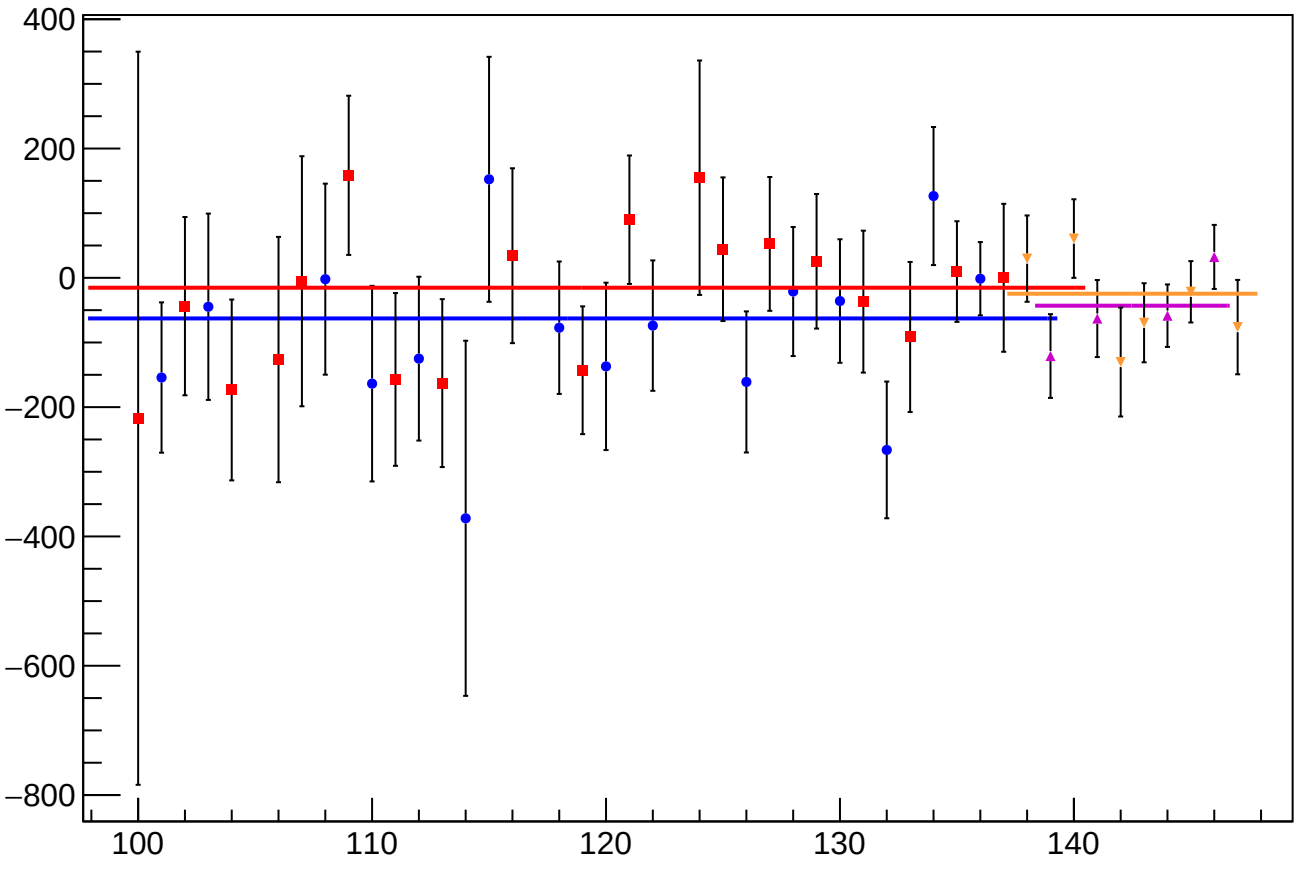
Left: 0.000+/-0.000 χ^2/NDF: 570315.6/9

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:2987425.6/19

Out: 0.000+/-0.000 χ^2/NDF:3310715.9/24

All: 0.000+/-0.000 χ^2/NDF: 6492689.9/44



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -24.568+/-25.520 χ^2/NDF:5.2/5

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -43.101+/-27.160 χ^2/NDF:4.0/3

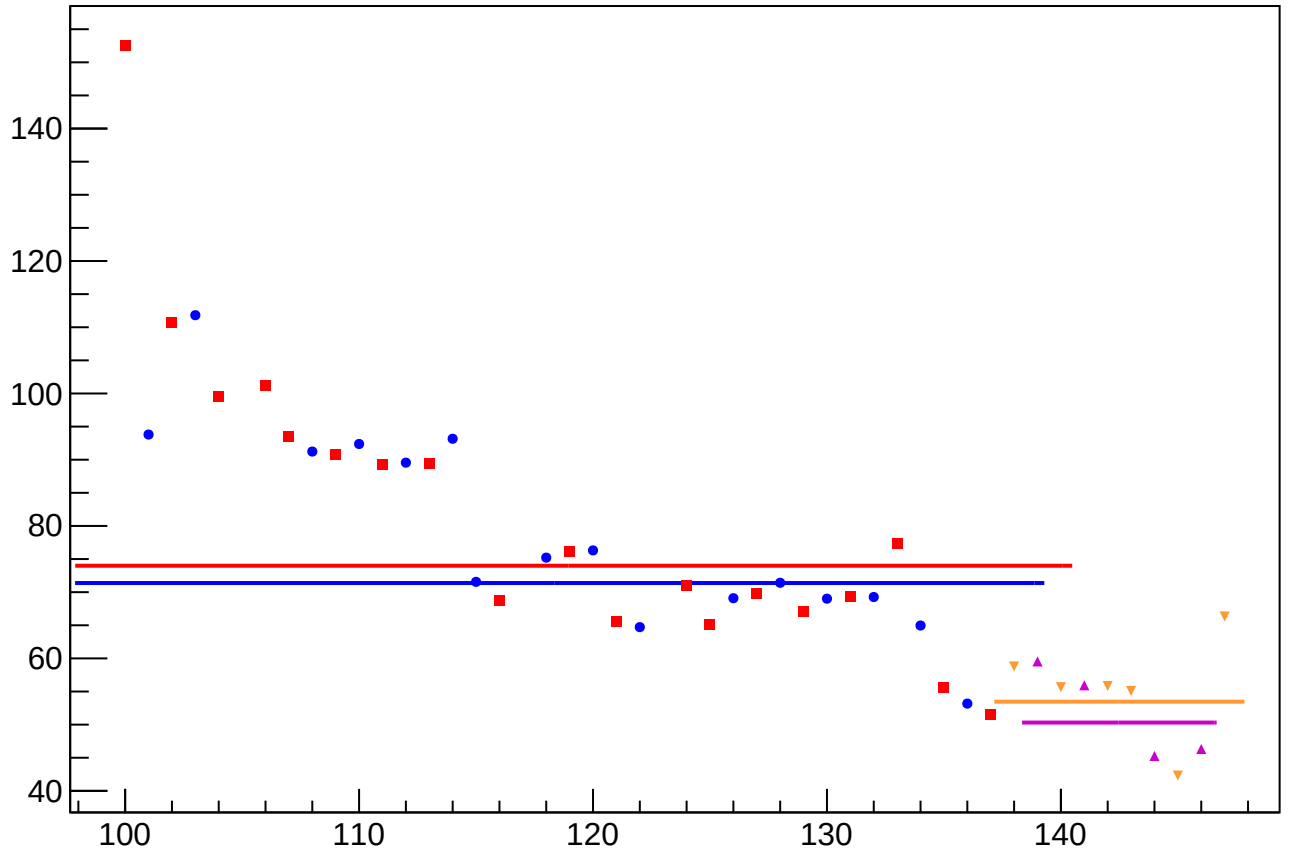
Left: -33.258+/-18.598 χ^2/NDF: 9.5/9

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -52.930+/-19.224 χ^2/NDF:17.7/19

Out: -20.319+/-18.791 χ^2/NDF:16.8/24

All: -36.253+/-13.437 χ^2/NDF: 36.0/44



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.468+/-0.018 χ^2/NDF:190904.5/5

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

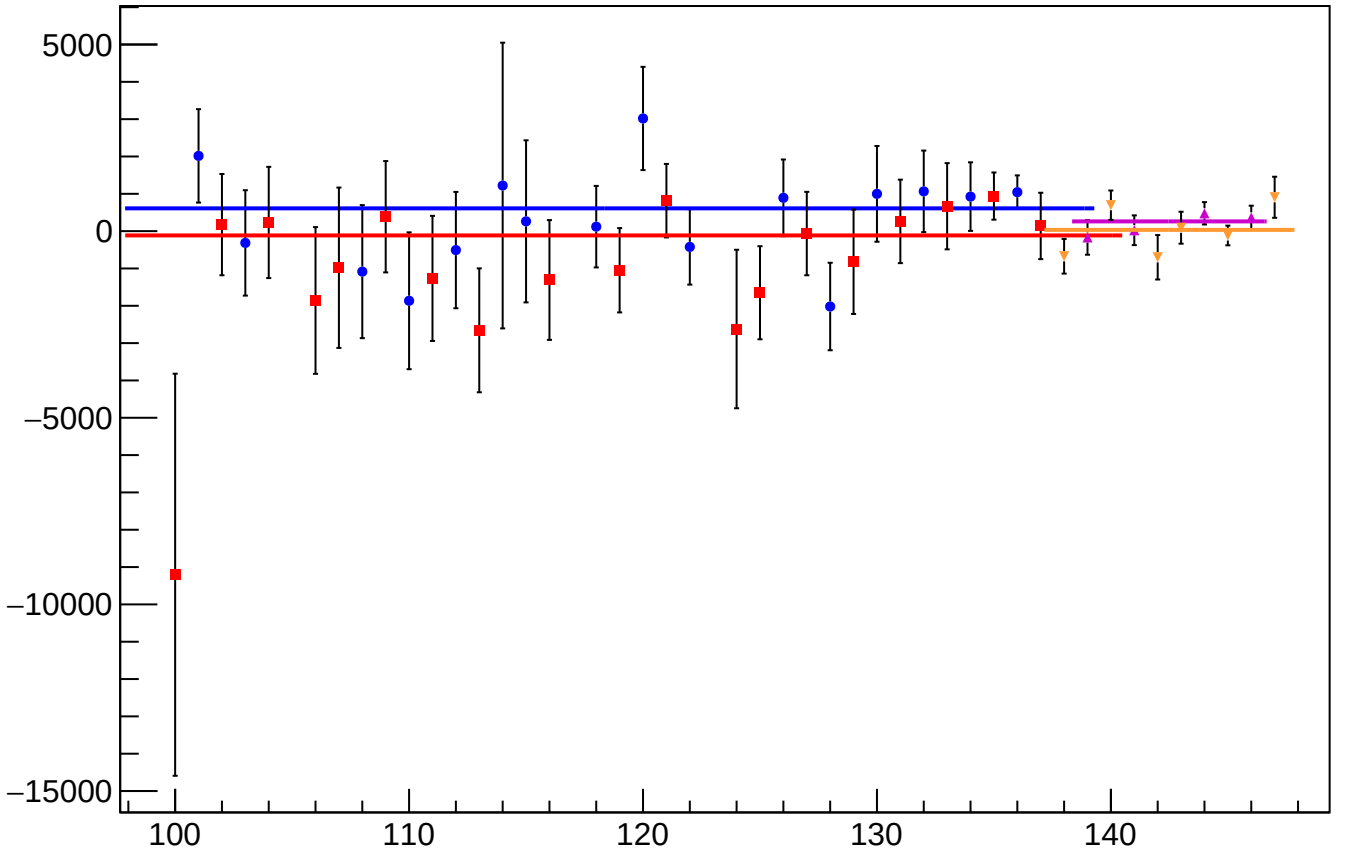
Left: 51.988+/-0.013 χ^2/NDF: 298470.5/9

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.827+/-0.014 χ^2/NDF:1284848.2/19

Out: 62.866+/-0.013 χ^2/NDF:1421741.7/24

All: 61.870+/-0.010 χ^2/NDF: 2718089.3/44



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 33.495+/-164.260 χ^2/NDF:9.5/5

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 260.939+/-176.338 χ^2/NDF:1.8/3

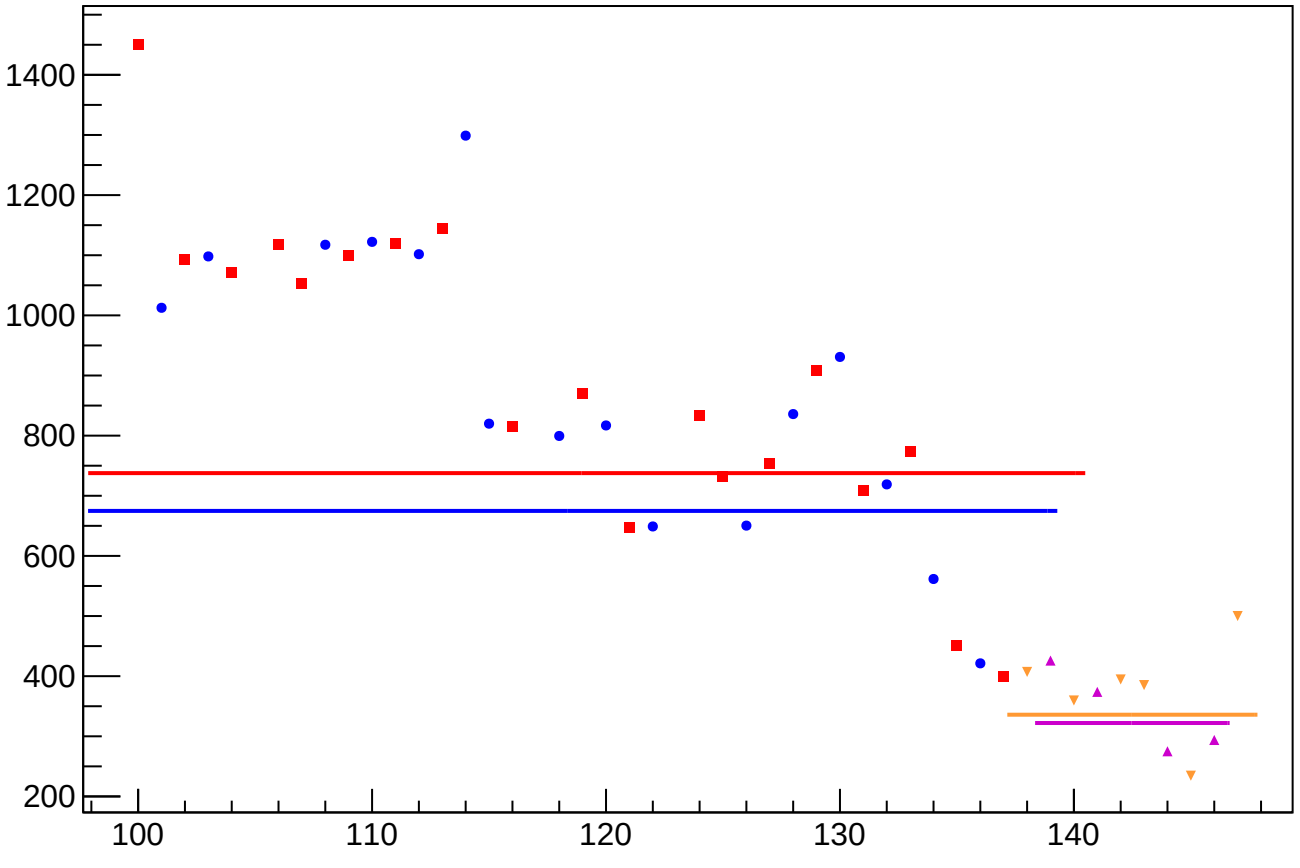
Left: 139.161+/-120.193 χ^2/NDF: 12.3/9

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 367.233+/-147.110 χ^2/NDF:18.7/19

Out: -3.575+/-142.229 χ^2/NDF:25.3/24

All: 175.574+/-102.253 χ^2/NDF: 47.3/44



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 335.916+/-0.116 χ^2/NDF:573691.7/5

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 322.112+/-0.125 χ^2/NDF:199158.9/3

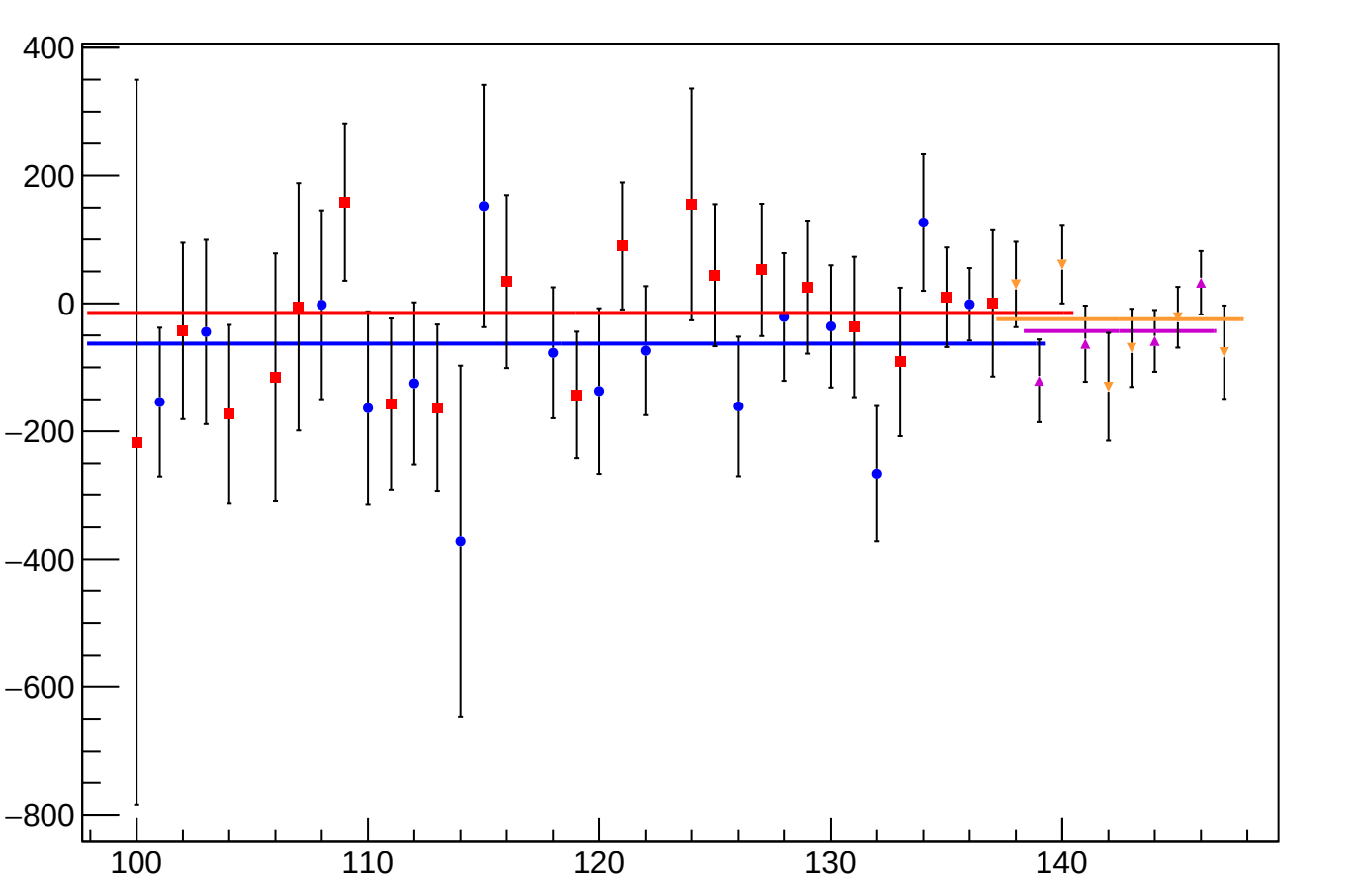
Left: 329.503+/-0.085 χ^2/NDF: 779413.4/9

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 429.347+/-0.104 χ^2/NDF:4249533.9/19

Out: 436.459+/-0.101 χ^2/NDF:5084645.1/24

All: 433.023+/-0.072 χ^2/NDF: 9336595.0/44



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -24.565+/-25.520 χ^2/NDF:5.2/5

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -43.102+/-27.160 χ^2/NDF:4.0/3

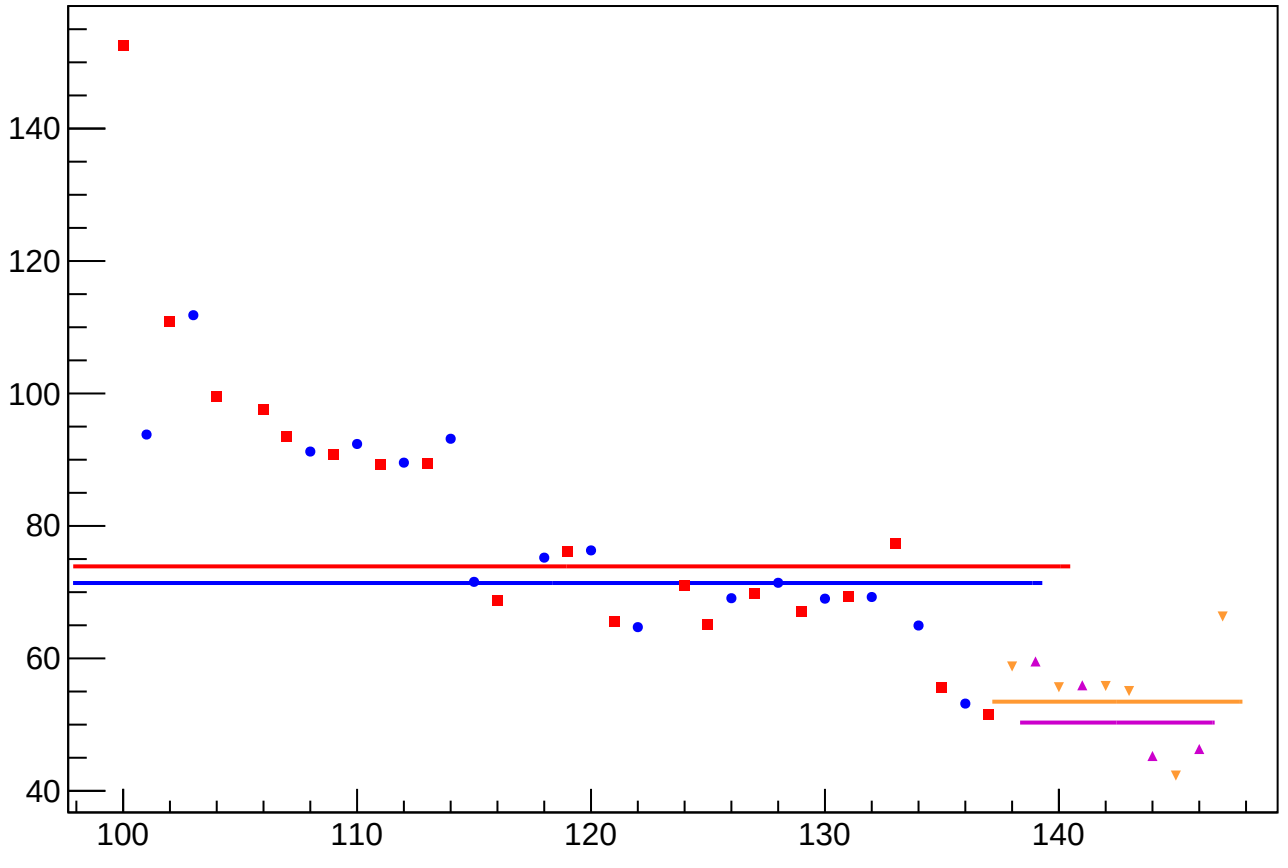
Left: -33.257+/-18.598 χ^2/NDF: 9.5/9

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -52.927+/-19.224 χ^2/NDF:17.7/19

Out: -20.157+/-18.795 χ^2/NDF:16.7/24

All: -36.172+/-13.439 χ^2/NDF: 35.9/44



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.468+/-0.018 χ^2/NDF:190904.5/5

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

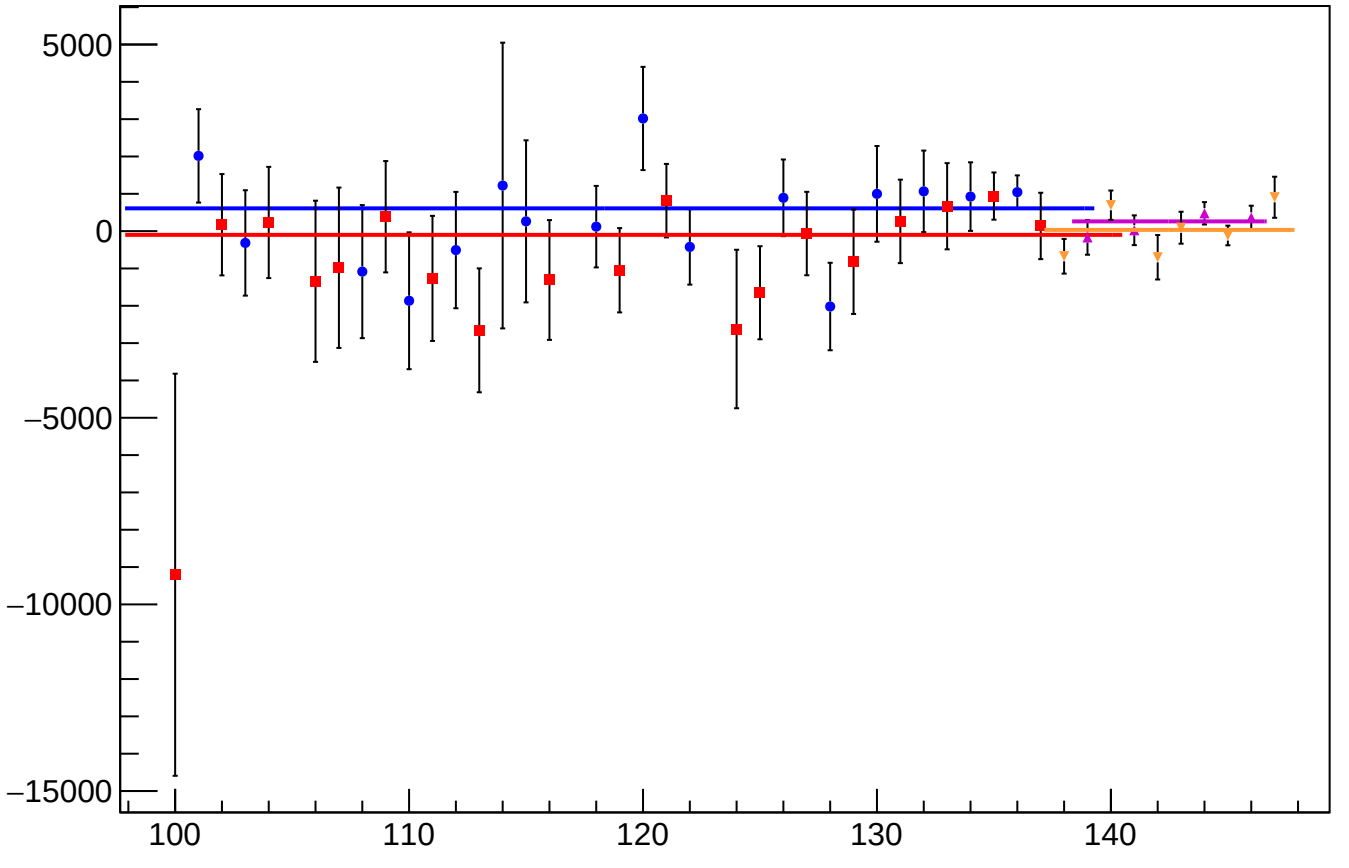
Left: 51.988+/-0.013 χ^2/NDF: 298470.5/9

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.827+/-0.014 χ^2/NDF:1284850.8/19

Out: 62.815+/-0.013 χ^2/NDF:1404263.7/24

All: 61.844+/-0.010 χ^2/NDF: 2700048.9/44



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 33.494+/-164.259 χ^2/NDF:9.5/5

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 260.935+/-176.338 χ^2/NDF:1.8/3

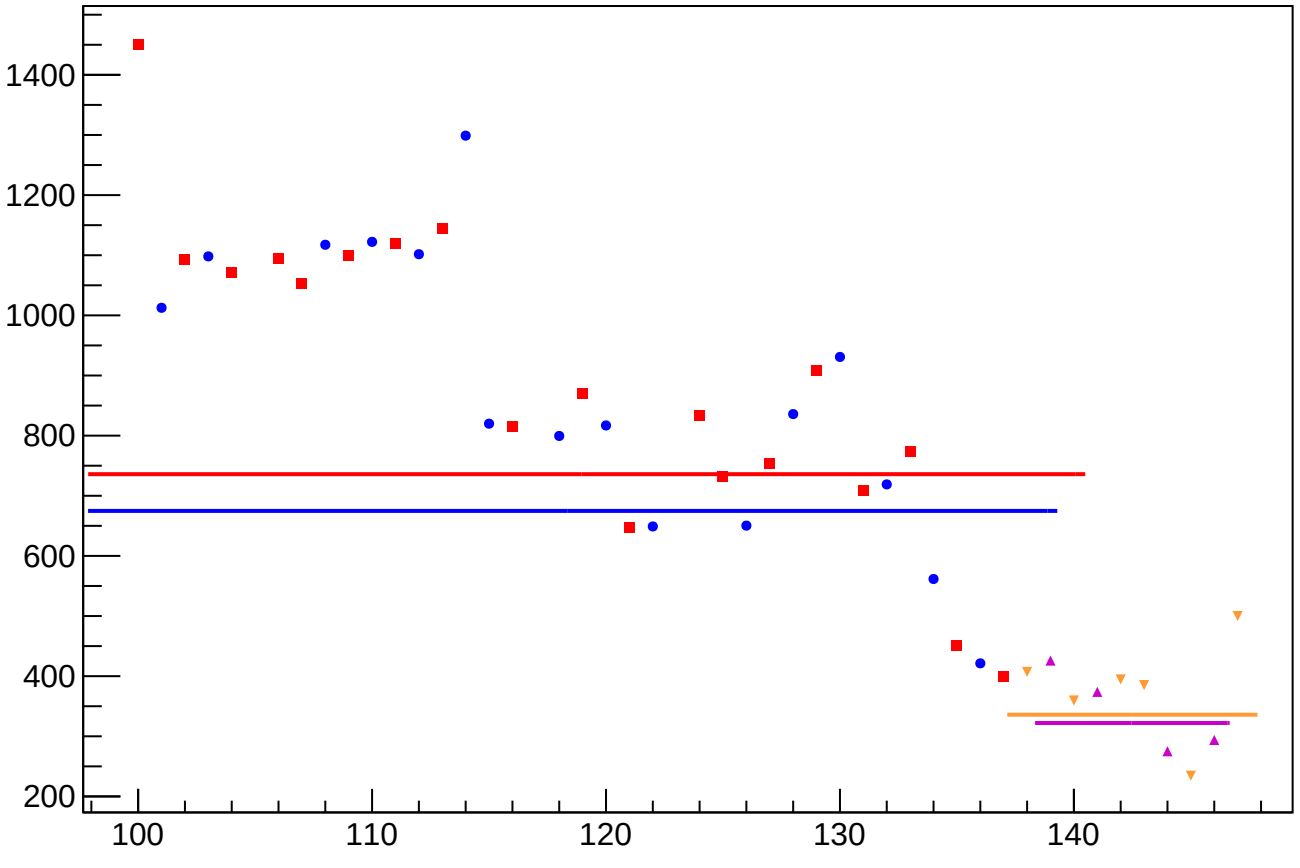
Left: 139.159+/-120.192 χ^2/NDF: 12.3/9

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 367.226+/-147.111 χ^2/NDF:18.7/19

Out: 0.289+/-142.293 χ^2/NDF:24.8/24

All: 177.651+/-102.277 χ^2/NDF: 46.7/44



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 335.916+/-0.116 χ^2/NDF:573697.2/5

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 322.112+/-0.125 χ^2/NDF:199159.6/3

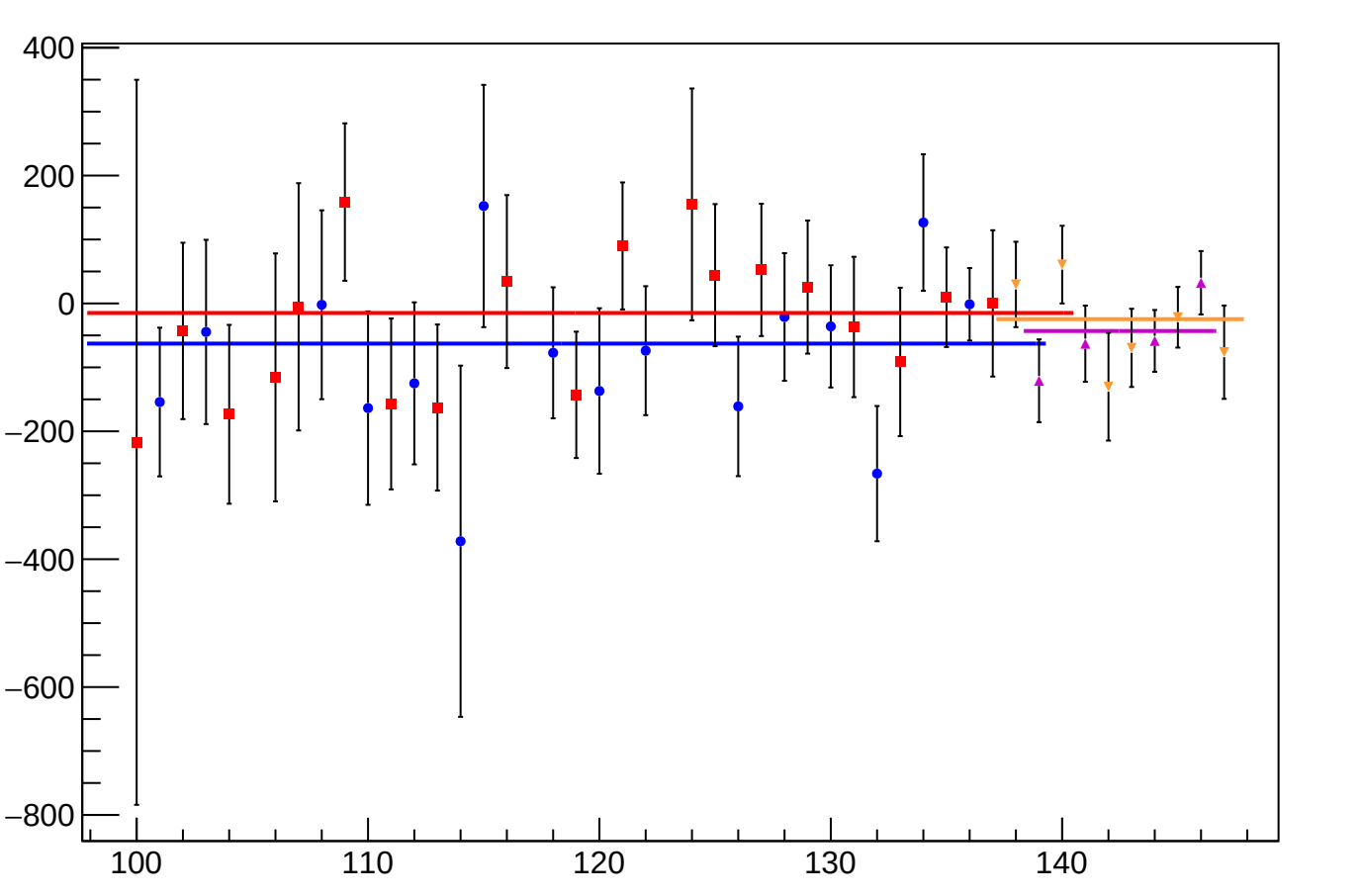
Left: 329.503+/-0.085 χ^2/NDF: 779419.2/9

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 429.347+/-0.104 χ^2/NDF:4249558.1/19

Out: 435.746+/-0.101 χ^2/NDF:5030674.7/24

All: 432.653+/-0.072 χ^2/NDF: 9282187.8/44



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -24.565+/-25.520 χ^2/NDF:5.2/5

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -43.102+/-27.160 χ^2/NDF:4.0/3

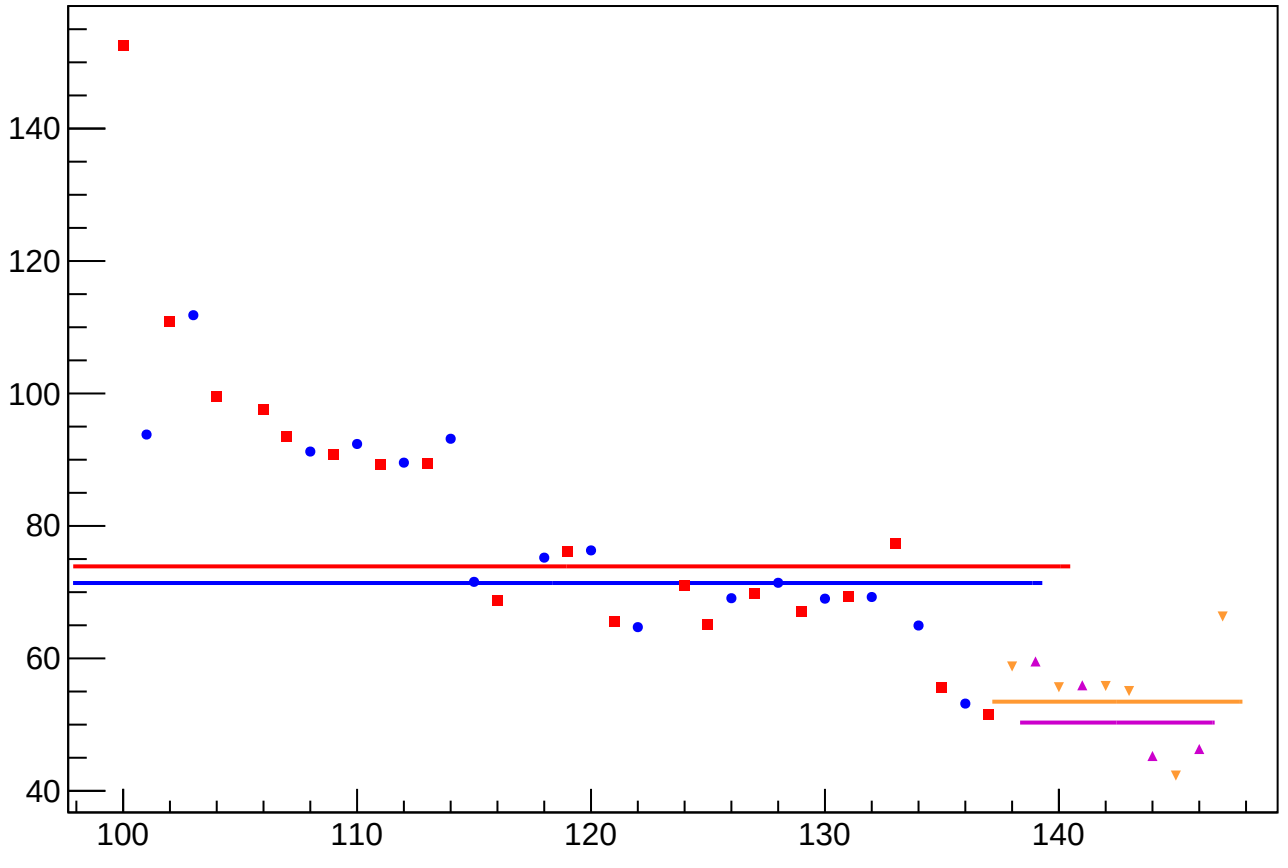
Left: -33.257+/-18.598 χ^2/NDF: 9.5/9

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -52.927+/-19.224 χ^2/NDF:17.7/19

Out: -20.157+/-18.795 χ^2/NDF:16.7/24

All: -36.172+/-13.439 χ^2/NDF: 35.9/44



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.468+/-0.018 χ^2/NDF:190904.5/5

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 50.312+/-0.019 χ^2/NDF:93228.6/3

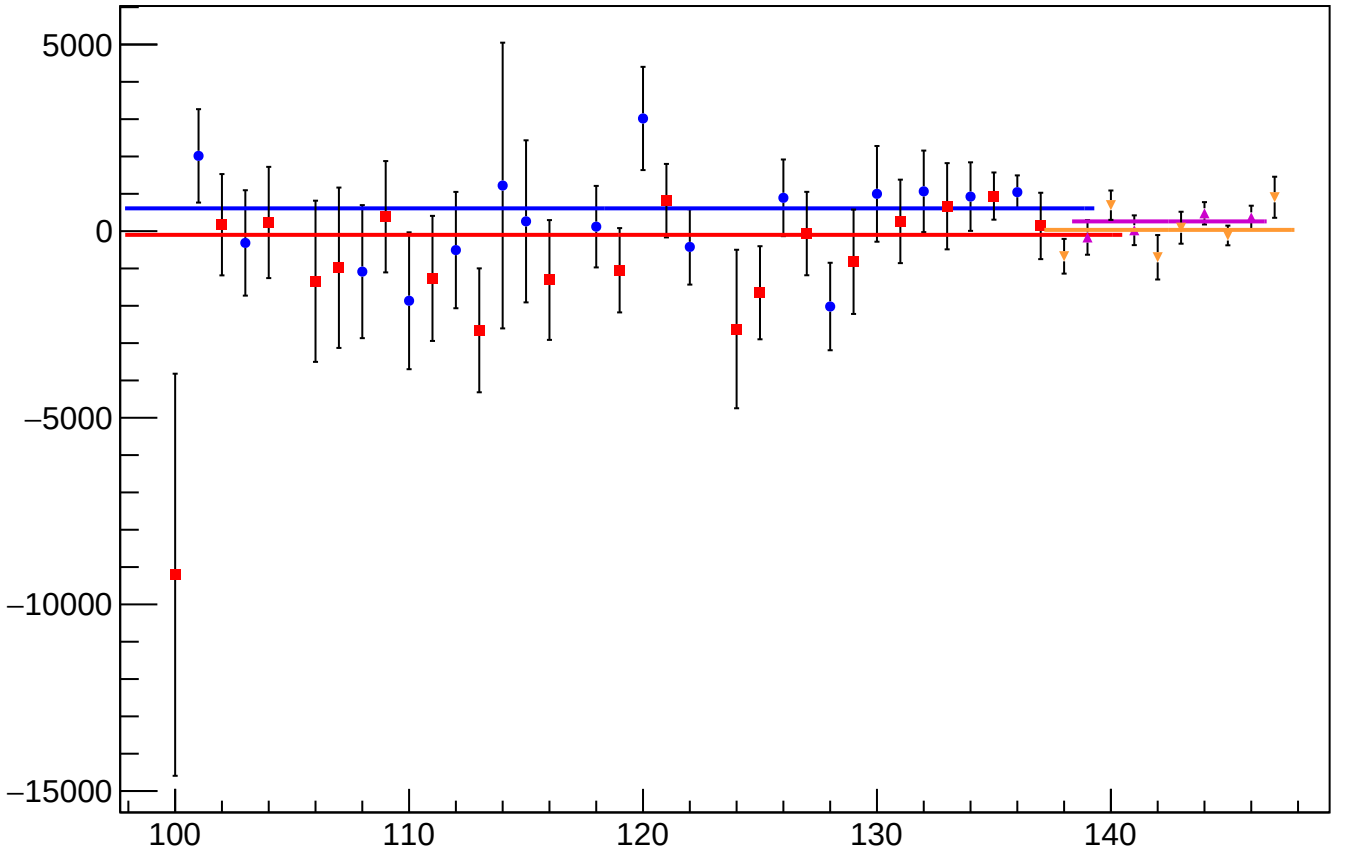
Left: 51.988+/-0.013 χ^2/NDF: 298470.5/9

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.827+/-0.014 χ^2/NDF:1284850.8/19

Out: 62.815+/-0.013 χ^2/NDF:1404263.7/24

All: 61.844+/-0.010 χ^2/NDF: 2700048.9/44



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 33.494+/-164.259 χ^2/NDF:9.5/5

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 260.935+/-176.338 χ^2/NDF:1.8/3

Left: 139.159+/-120.192 χ^2/NDF: 12.3/9

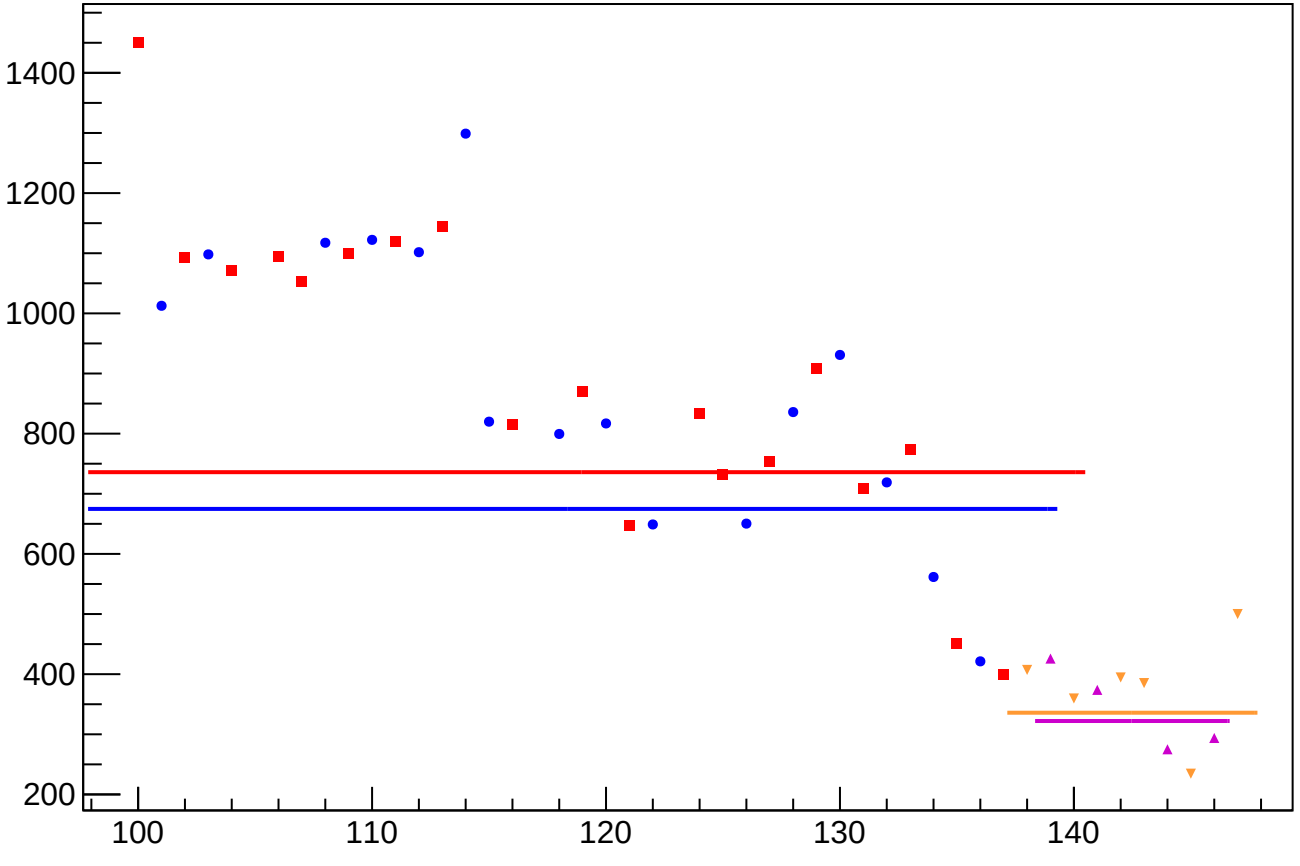
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 367.226+/-147.111 χ^2/NDF:18.7/19

Out: 0.289+/-142.293 χ^2/NDF:24.8/24

All: 177.651+/-102.277 χ^2/NDF: 46.7/44

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 335.916+/-0.116 χ^2/NDF:573697.2/5

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 322.112+/-0.125 χ^2/NDF:199159.6/3

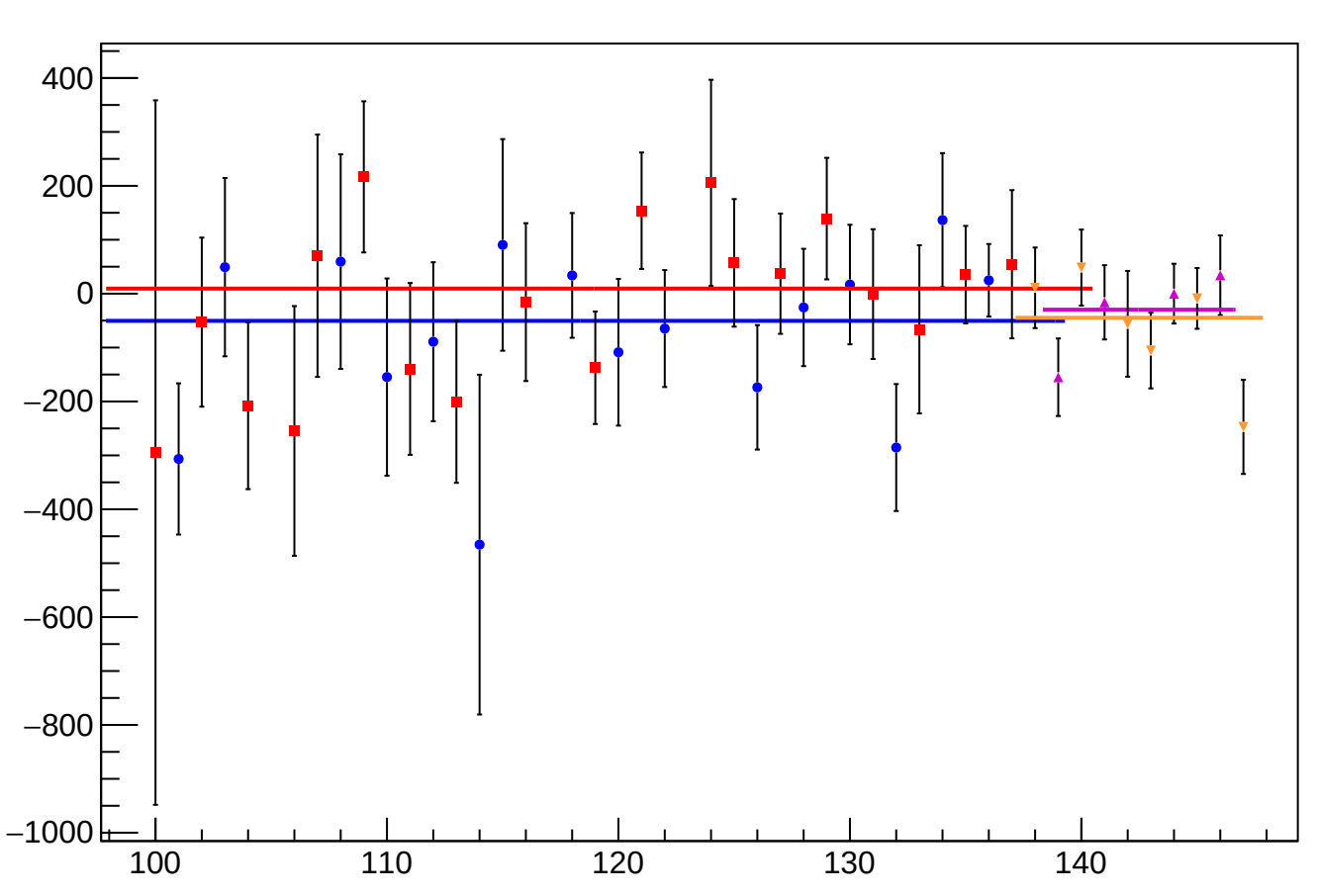
Left: 329.503+/-0.085 χ^2/NDF: 779419.2/9

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 429.347+/-0.104 χ^2/NDF:4249558.1/19

Out: 435.746+/-0.101 χ^2/NDF:5030674.7/24

All: 432.653+/-0.072 χ^2/NDF: 9282187.8/44



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -44.759+/-29.711 χ^2/NDF:8.8/5

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -29.716+/-33.108 χ^2/NDF:4.1/3

Left: -38.048+/-22.113 χ^2/NDF: 13.1/9

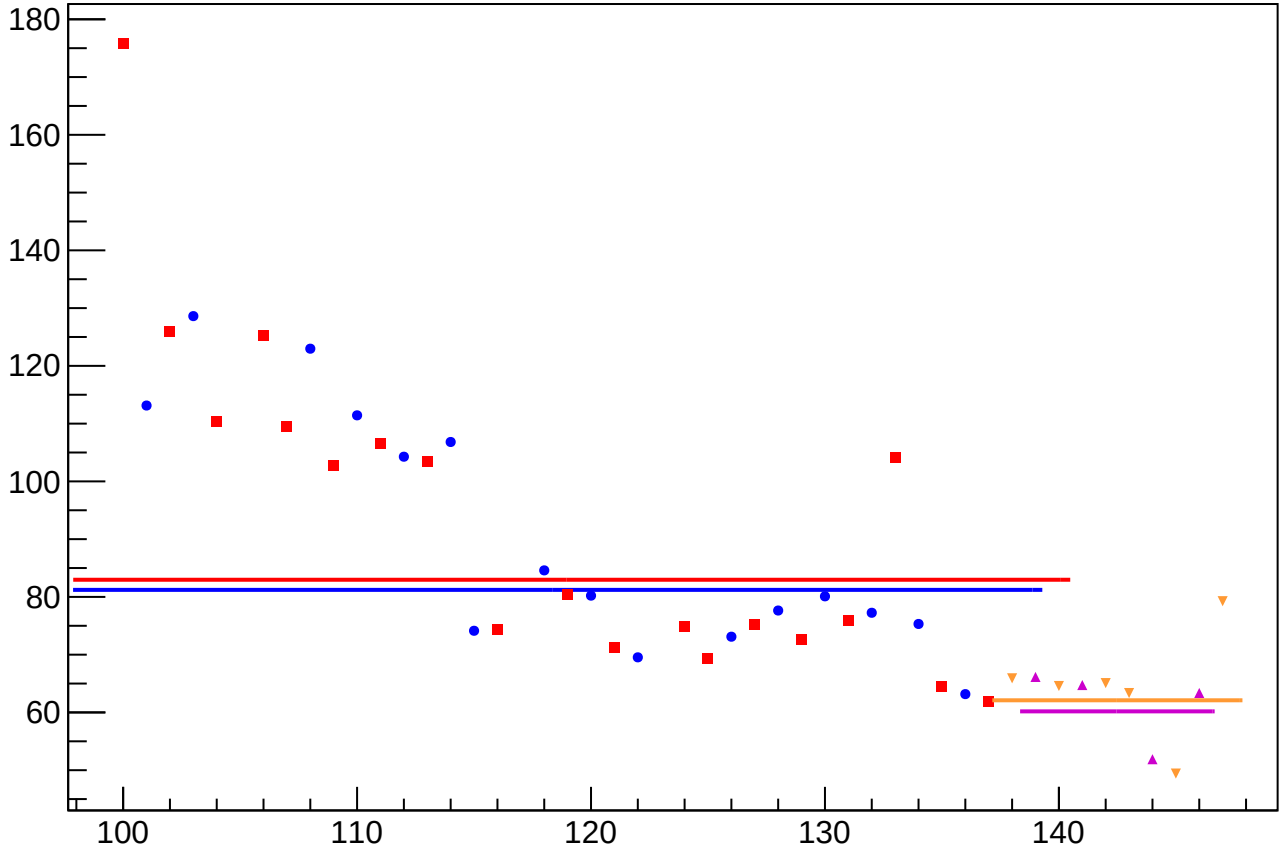
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -40.752+/-22.653 χ^2/NDF:20.7/19

Out: -19.041+/-21.528 χ^2/NDF:26.0/24

All: -29.344+/-15.605 χ^2/NDF: 47.2/44

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.101+/-0.021 χ^2/NDF:188720.4/5

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 60.184+/-0.023 χ^2/NDF:70865.1/3

Left: 61.246+/-0.016 χ^2/NDF: 263300.0/9

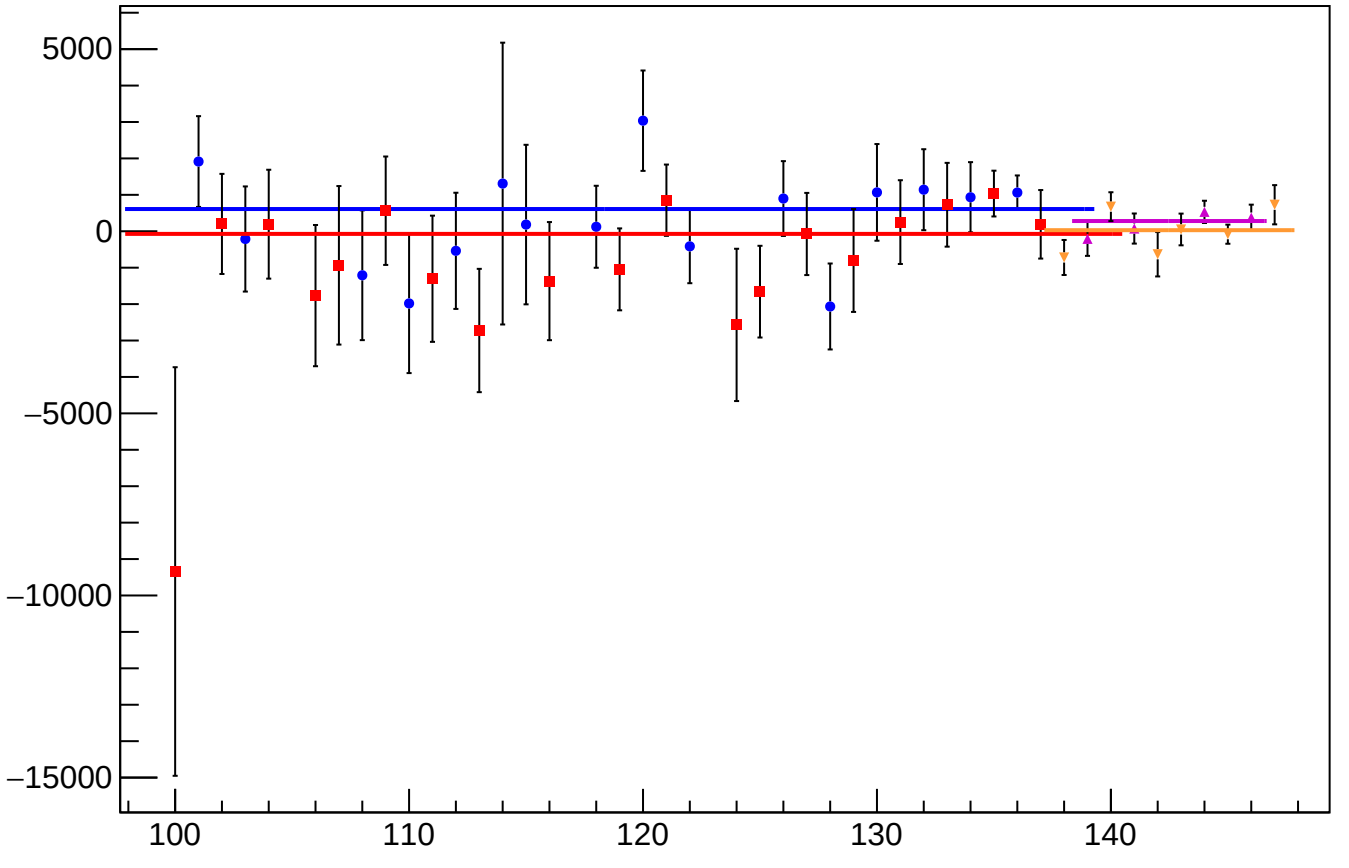
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.371+/-0.016 χ^2/NDF:1163095.2/19

Out: 72.015+/-0.015 χ^2/NDF:1387855.7/24

All: 71.709+/-0.011 χ^2/NDF: 2551798.9/44

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: 29.626+/-165.158 χ^2/NDF:8.1/5

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 280.962+/-185.458 χ^2/NDF:2.1/3

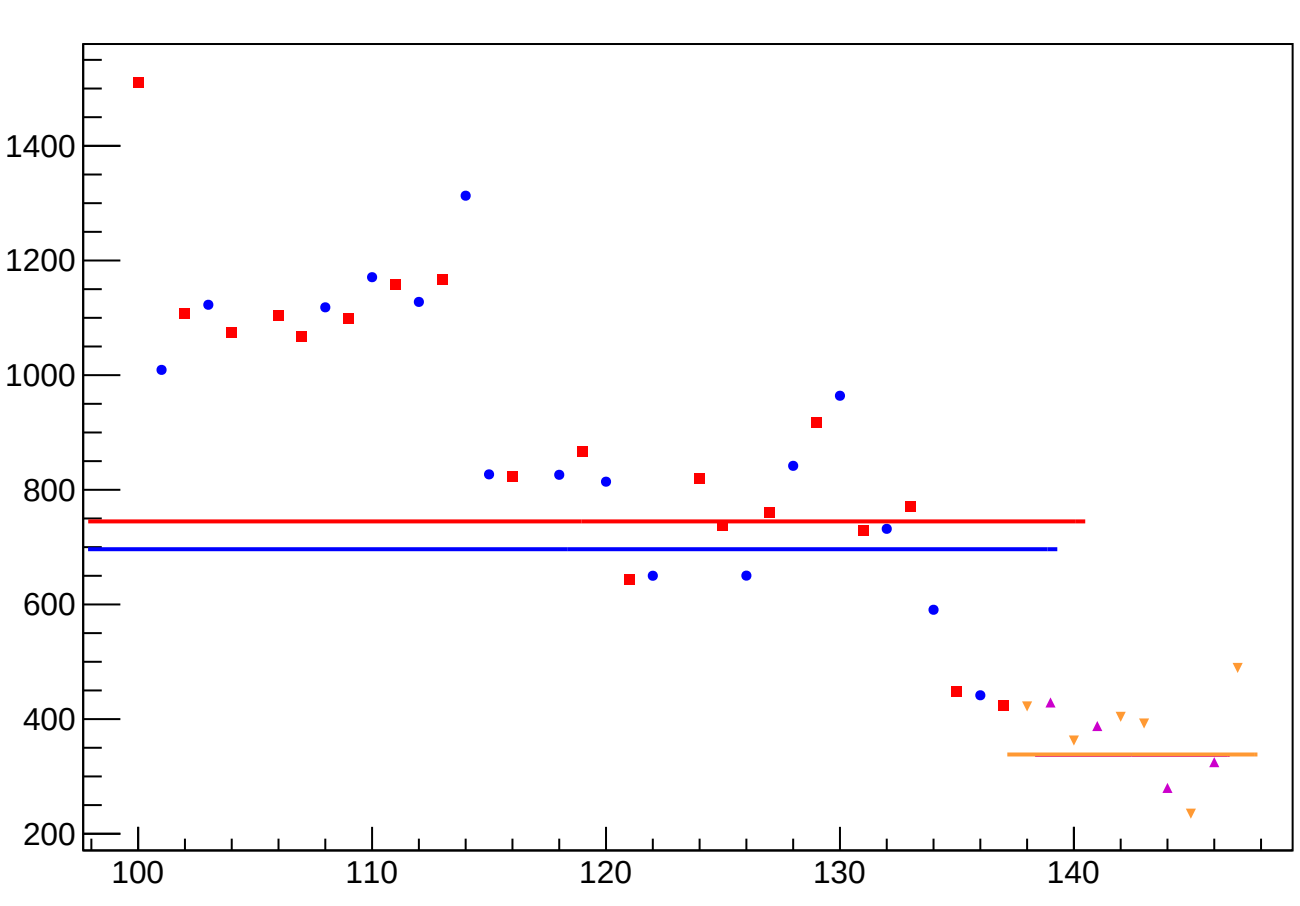
Left: 140.791+/-123.339 χ^2/NDF: 11.2/9

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 384.472+/-153.581 χ^2/NDF:18.9/19

Out: 4.244+/-143.127 χ^2/NDF:24.4/24

All: 180.978+/-104.707 χ^2/NDF: 46.6/44



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 338.279+/-0.117 χ^2/NDF:589728.2/5

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 337.393+/-0.131 χ^2/NDF:179928.4/3

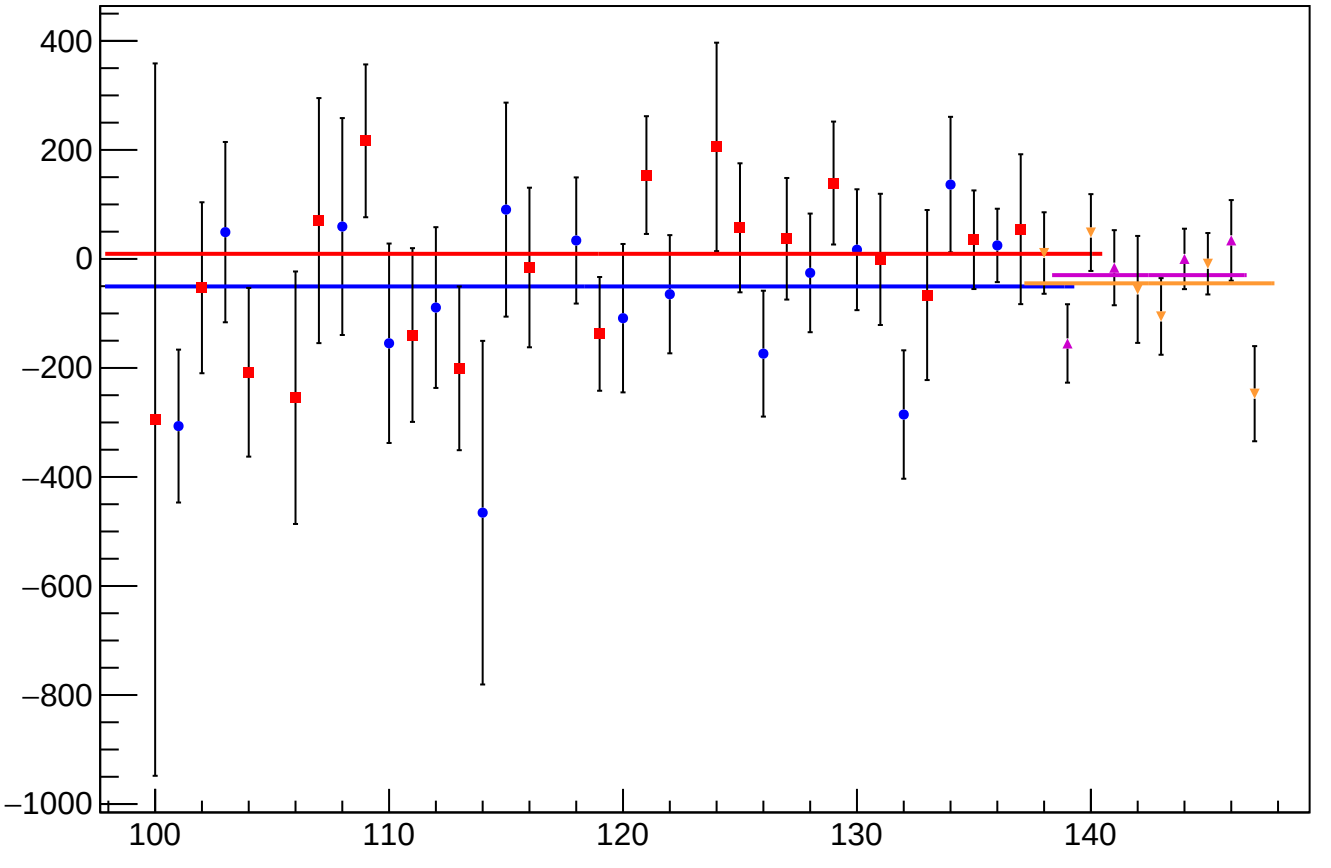
Left: 337.887+/-0.087 χ^2/NDF: 769682.1/9

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 450.190+/-0.109 χ^2/NDF:4049954.4/19

Out: 439.520+/-0.101 χ^2/NDF:5106292.0/24

All: 444.480+/-0.074 χ^2/NDF: 9161413.5/44



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -44.758+/-29.712 χ^2/NDF:8.8/5

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -29.715+/-33.108 χ^2/NDF:4.1/3

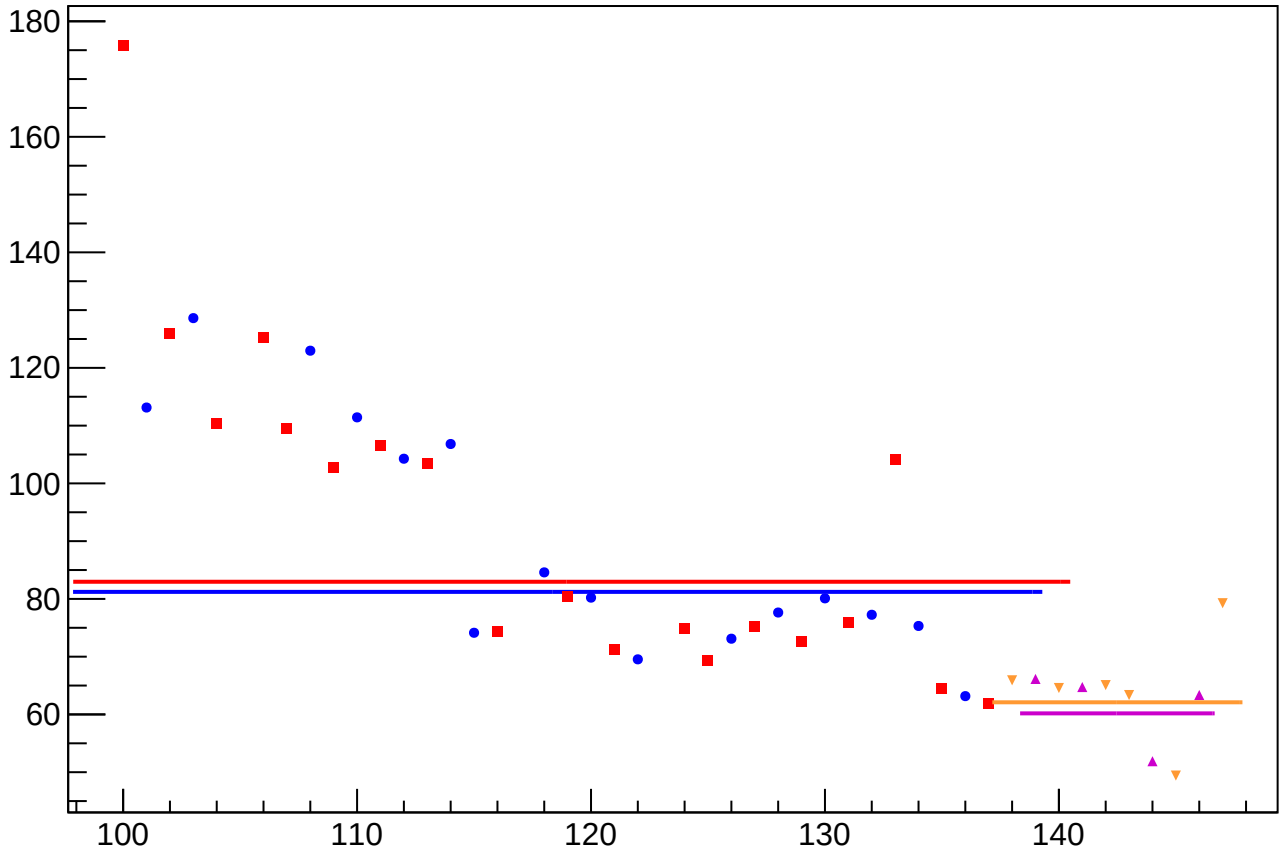
Left: -38.047+/-22.113 χ^2/NDF: 13.1/9

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -40.752+/-22.653 χ^2/NDF:20.7/19

Out: -19.041+/-21.528 χ^2/NDF:26.0/24

All: -29.344+/-15.605 χ^2/NDF: 47.2/44



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.101+/-0.021 χ^2/NDF:188717.4/5

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 60.184+/-0.023 χ^2/NDF:70865.8/3

Left: 61.246+/-0.016 χ^2/NDF: 263297.6/9

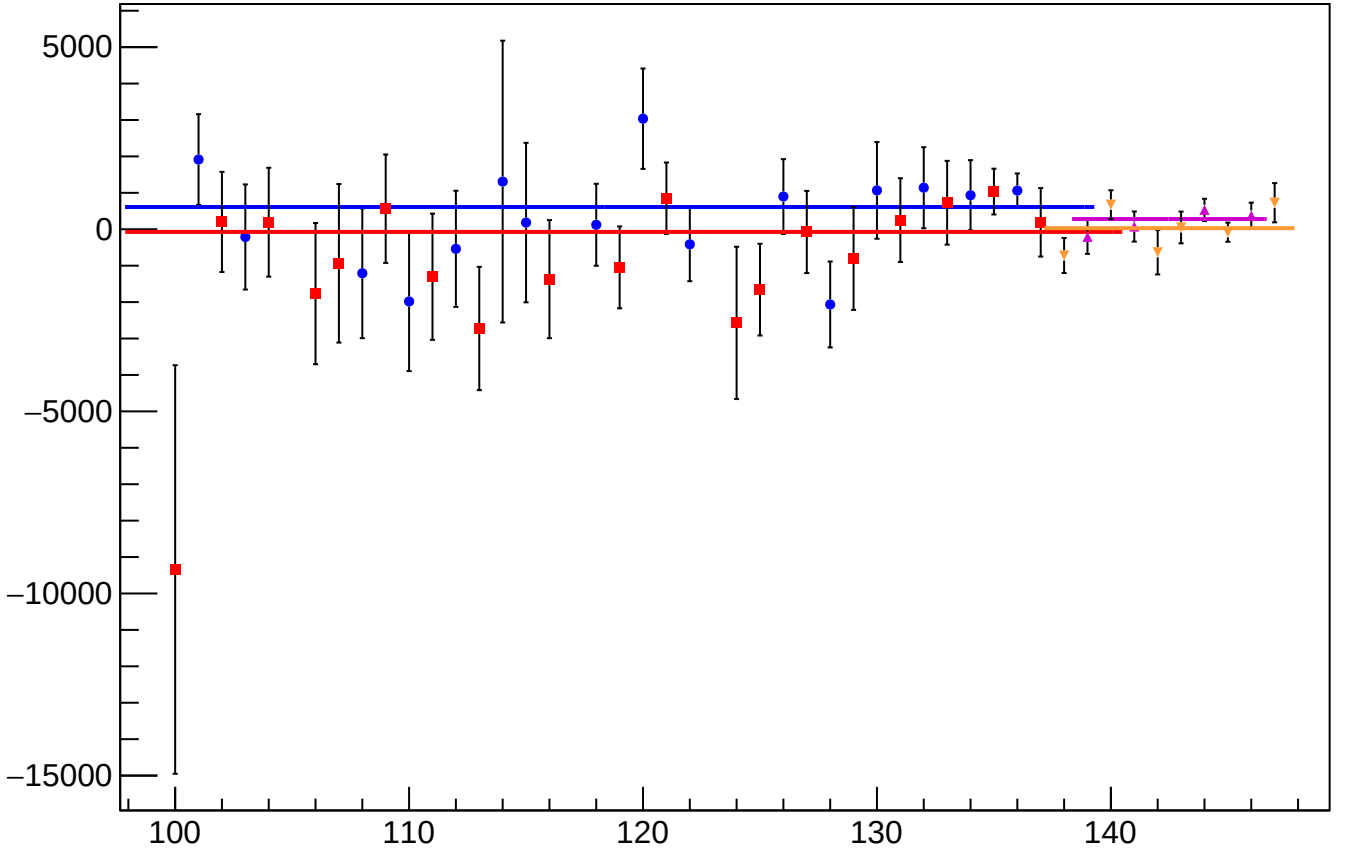
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.371+/-0.016 χ^2/NDF:1163055.2/19

Out: 72.015+/-0.015 χ^2/NDF:1387818.1/24

All: 71.709+/-0.011 χ^2/NDF: 2551721.5/44

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: 29.626+/-165.158 χ^2/NDF:8.1/5

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 280.962+/-185.458 χ^2/NDF:2.1/3

Left: 140.791+/-123.339 χ^2/NDF: 11.2/9

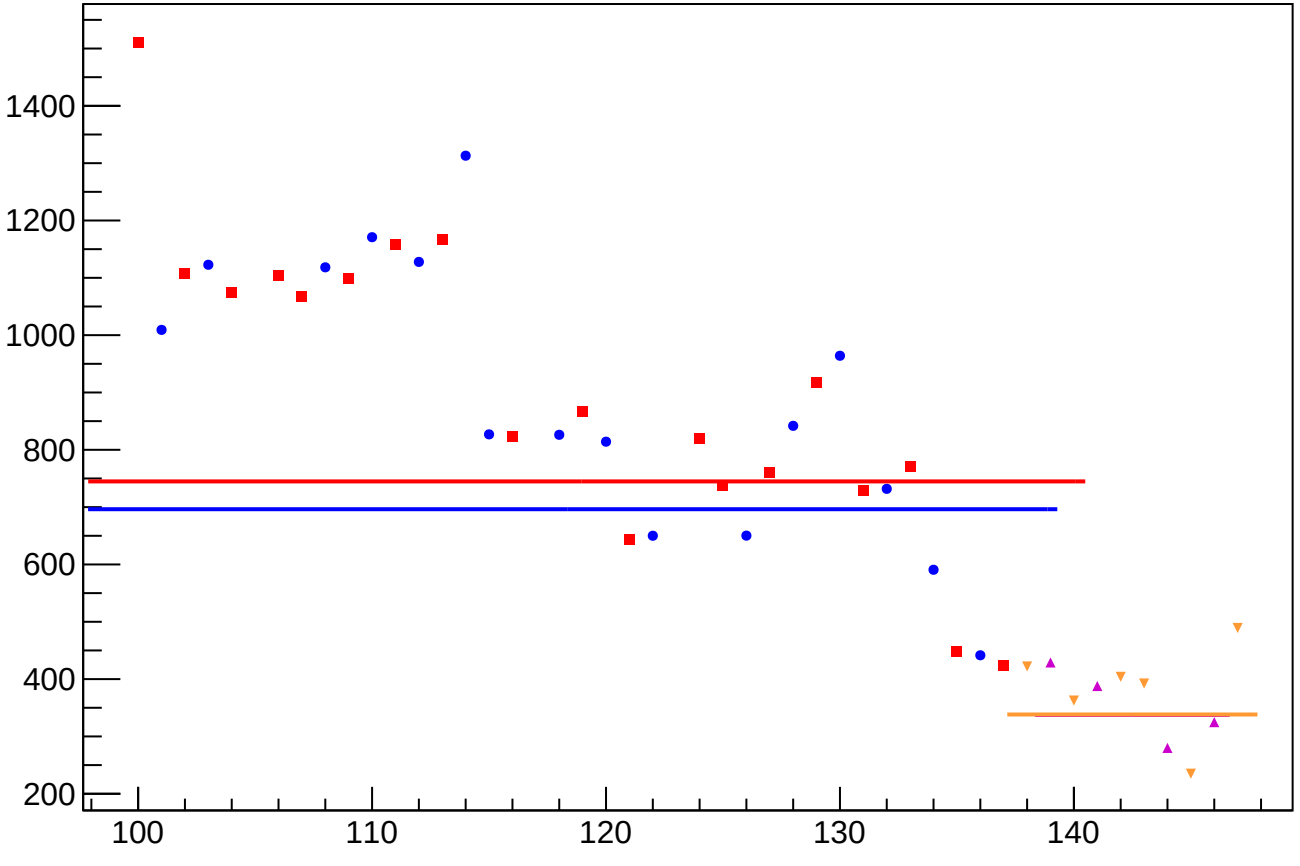
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 384.472+/-153.581 χ^2/NDF:18.9/19

Out: 4.243+/-143.127 χ^2/NDF:24.4/24

All: 180.977+/-104.707 χ^2/NDF: 46.6/44

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: 338.279+/-0.117 χ^2/NDF:589740.9/5

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 337.393+/-0.131 χ^2/NDF:179930.1/3

Left: 337.887+/-0.087 χ^2/NDF: 769696.4/9

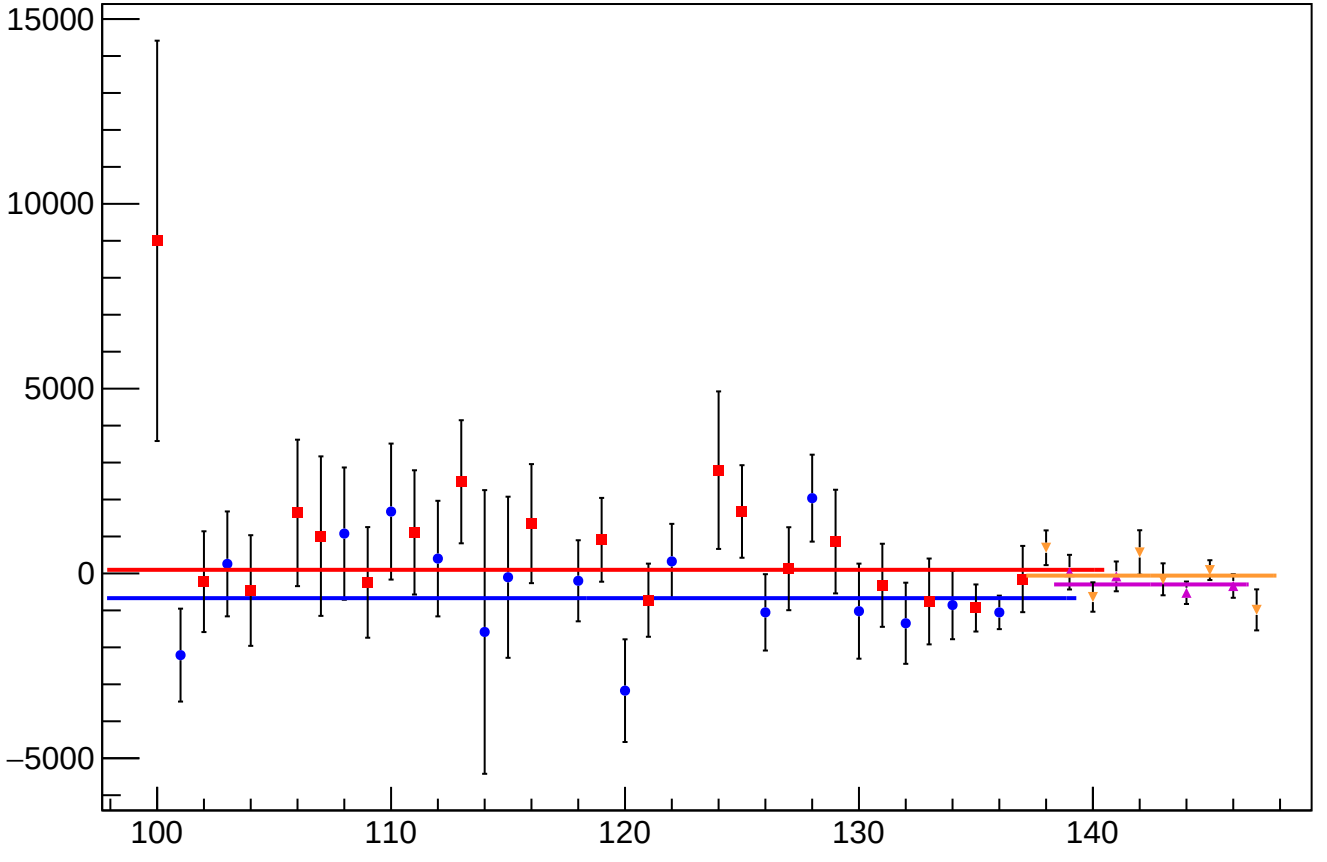
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 450.190+/-0.109 χ^2/NDF:4049937.0/19

Out: 439.519+/-0.101 χ^2/NDF:5106292.7/24

All: 444.479+/-0.074 χ^2/NDF: 9161397.1/44

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -58.383+/-166.364 χ^2/NDF:8.9/5

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -297.579+/-178.556 χ^2/NDF:1.4/3

Left: -169.537+/-121.719 χ^2/NDF: 11.3/9

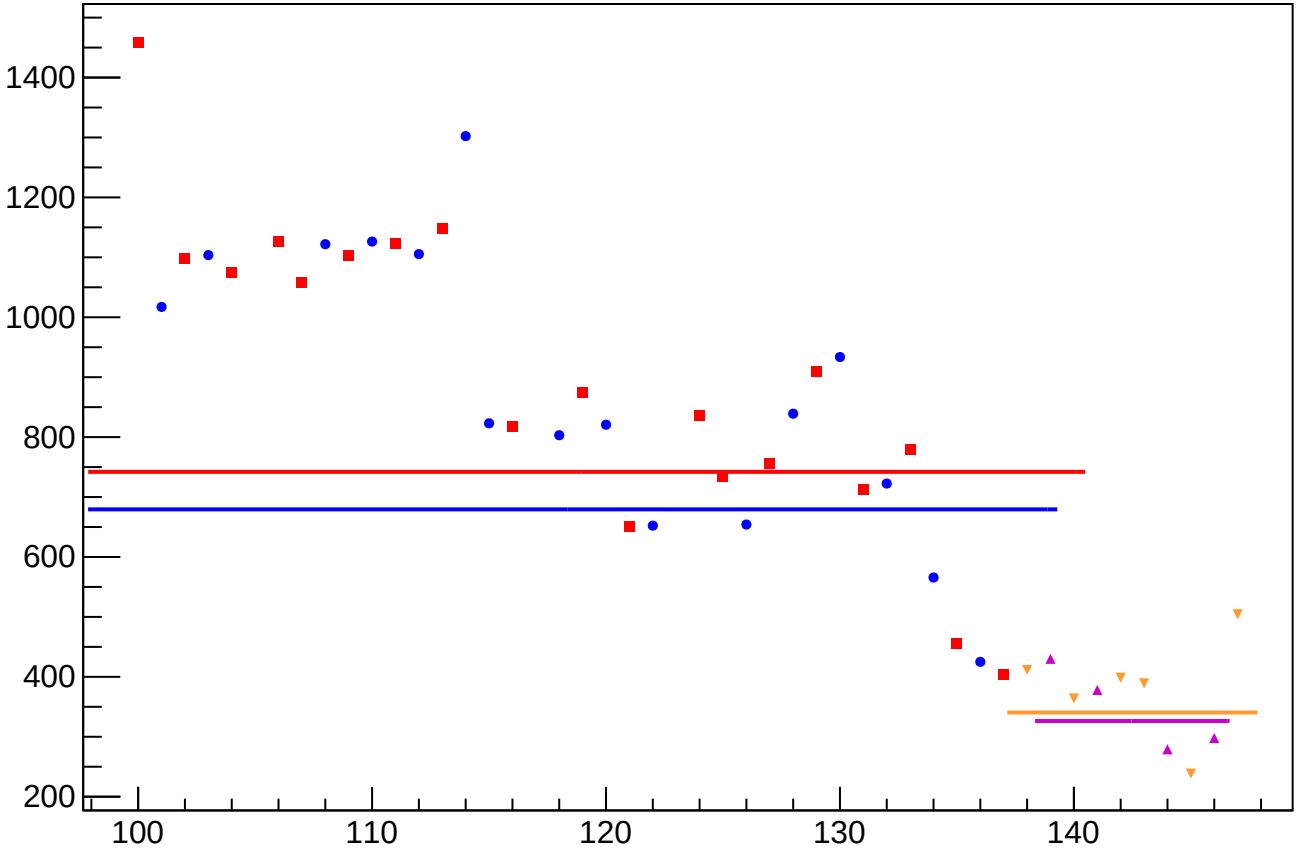
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -411.345+/-148.673 χ^2/NDF:18.8/19

Out: -18.821+/-143.789 χ^2/NDF:24.0/24

All: -208.531+/-103.358 χ^2/NDF: 46.4/44

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 340.502+/-0.118 χ^2/NDF:561132.8/5

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 326.326+/-0.126 χ^2/NDF:195451.2/3

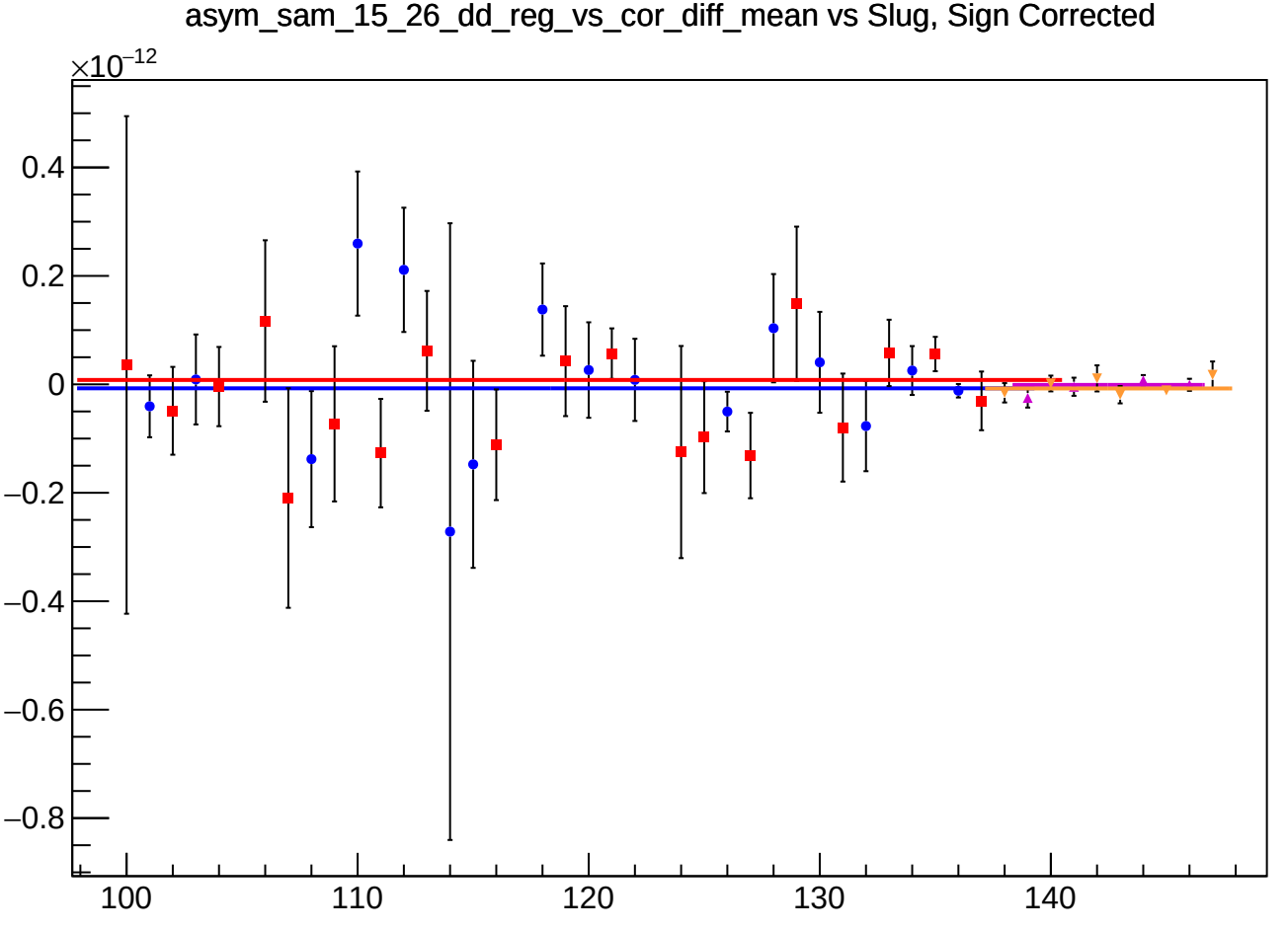
Left: 333.914+/-0.086 χ^2/NDF: 763332.7/9

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 434.638+/-0.105 χ^2/NDF:4195825.0/19

Out: 442.092+/-0.102 χ^2/NDF:5013556.2/24

All: 438.490+/-0.073 χ^2/NDF: 9211979.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/3

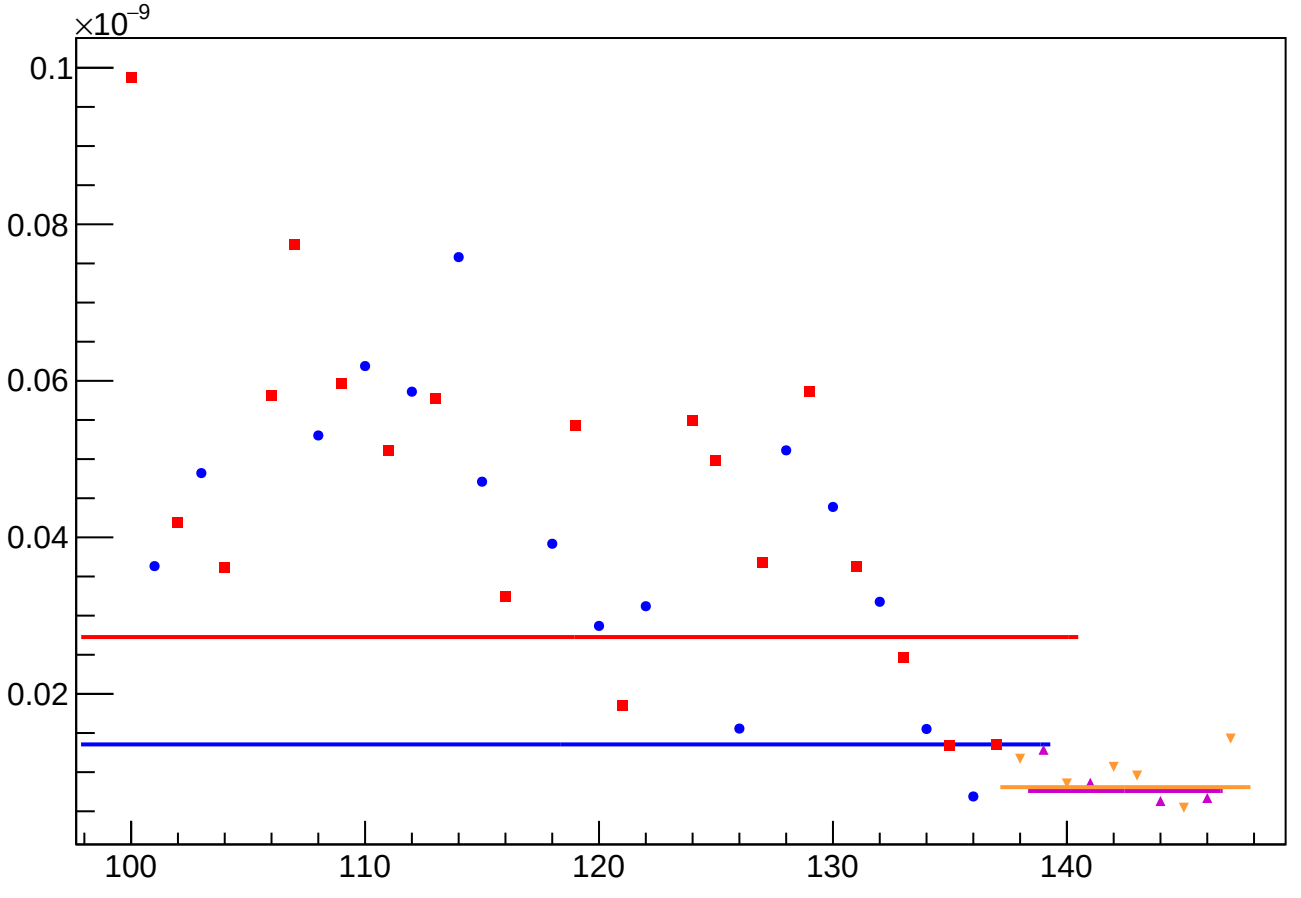
Left: -0.000+/-0.000 χ^2/NDF: 6.0/9

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:20.0/19

Out: -0.000+/-0.000 χ^2/NDF:20.7/24

All: -0.000+/-0.000 χ^2/NDF: 40.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:430827.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:229313.3/3

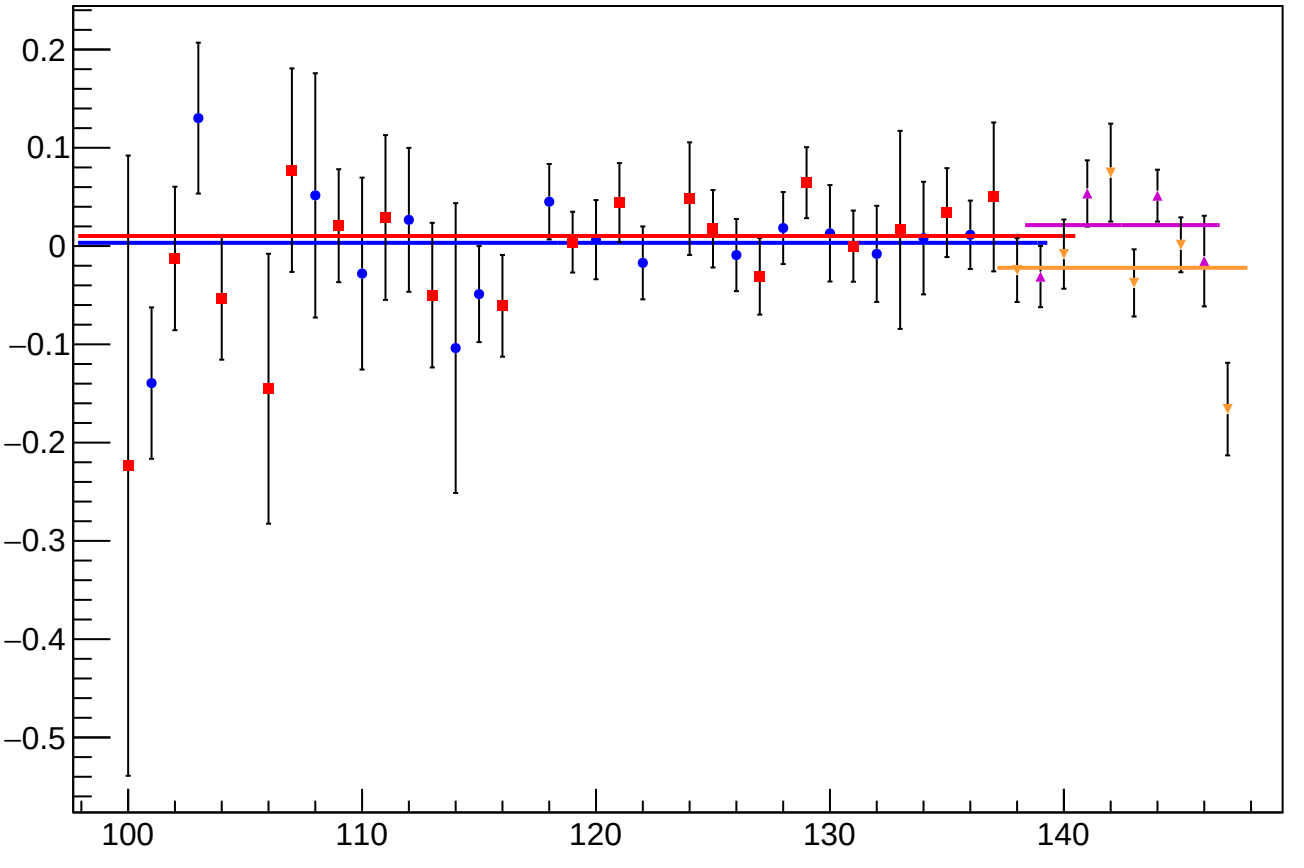
Left: 0.000+/-0.000 χ^2/NDF: 666447.1/9

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3749294.1/19

Out: 0.000+/-0.000 χ^2/NDF:4359842.5/24

All: 0.000+/-0.000 χ^2/NDF: 8137637.1/44



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.021+/-0.016 χ^2/NDF:5.7/3

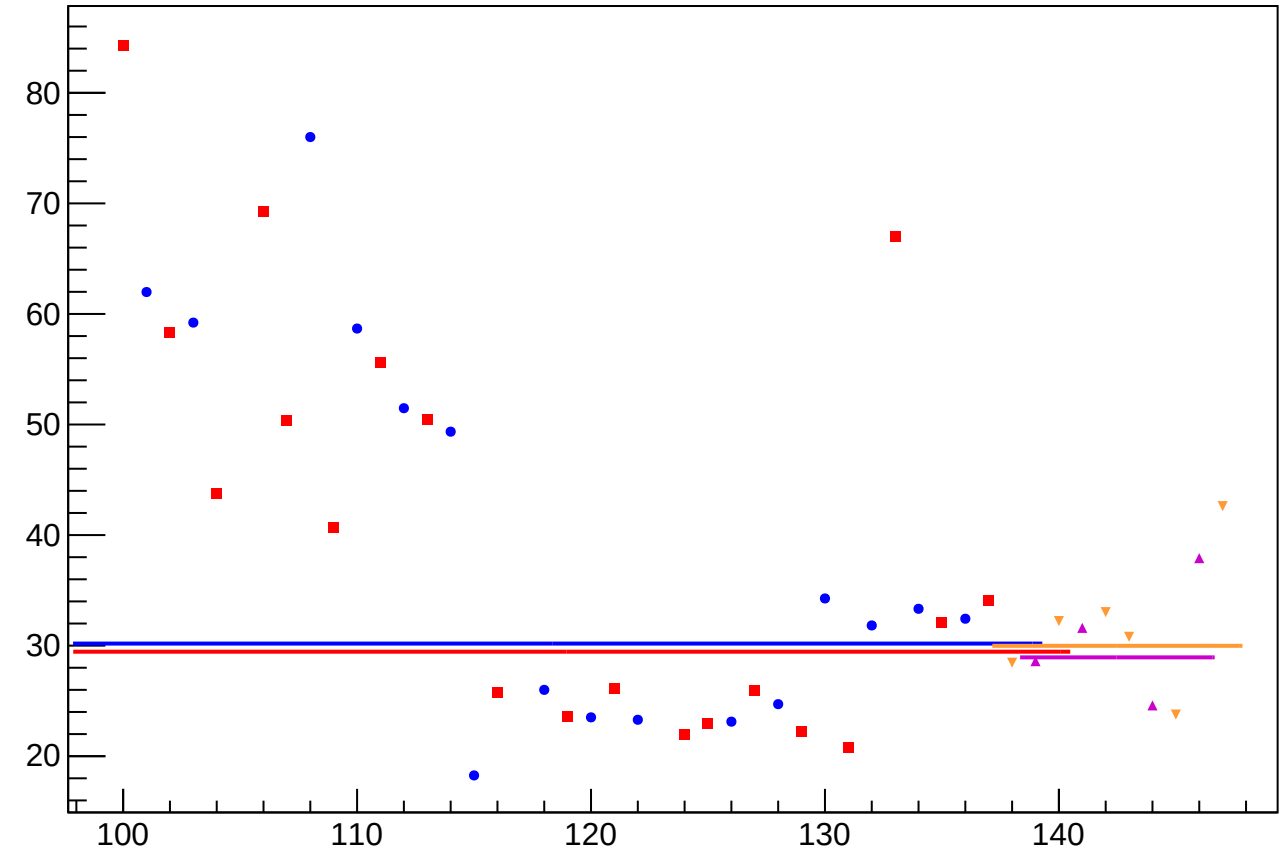
Left: -0.003+/-0.011 χ^2/NDF: 23.8/9

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.010+/-0.010 χ^2/NDF:16.6/19

Out: -0.003+/-0.009 χ^2/NDF:28.4/24

All: 0.003+/-0.007 χ^2/NDF: 45.8/44



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.985+/-0.010 χ^2/NDF:263759.1/5

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.938+/-0.011 χ^2/NDF:142482.1/3

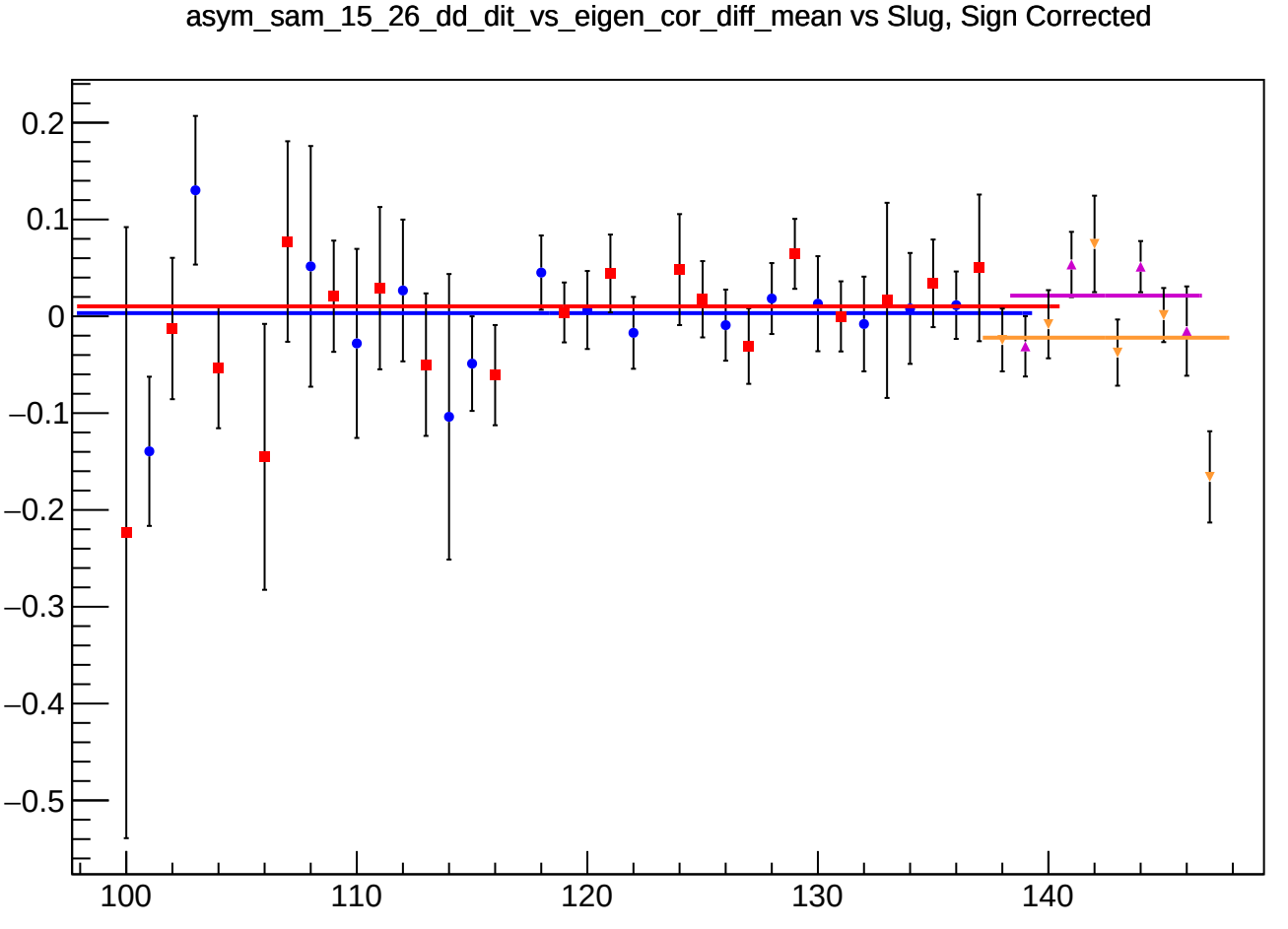
Left: 29.519+/-0.008 χ^2/NDF: 410869.7/9

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.731+/-0.007 χ^2/NDF:1837400.2/19

Out: 29.664+/-0.006 χ^2/NDF:2114018.3/24

All: 29.695+/-0.005 χ^2/NDF: 3951468.4/44



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.021+/-0.016 χ^2/NDF:5.7/3

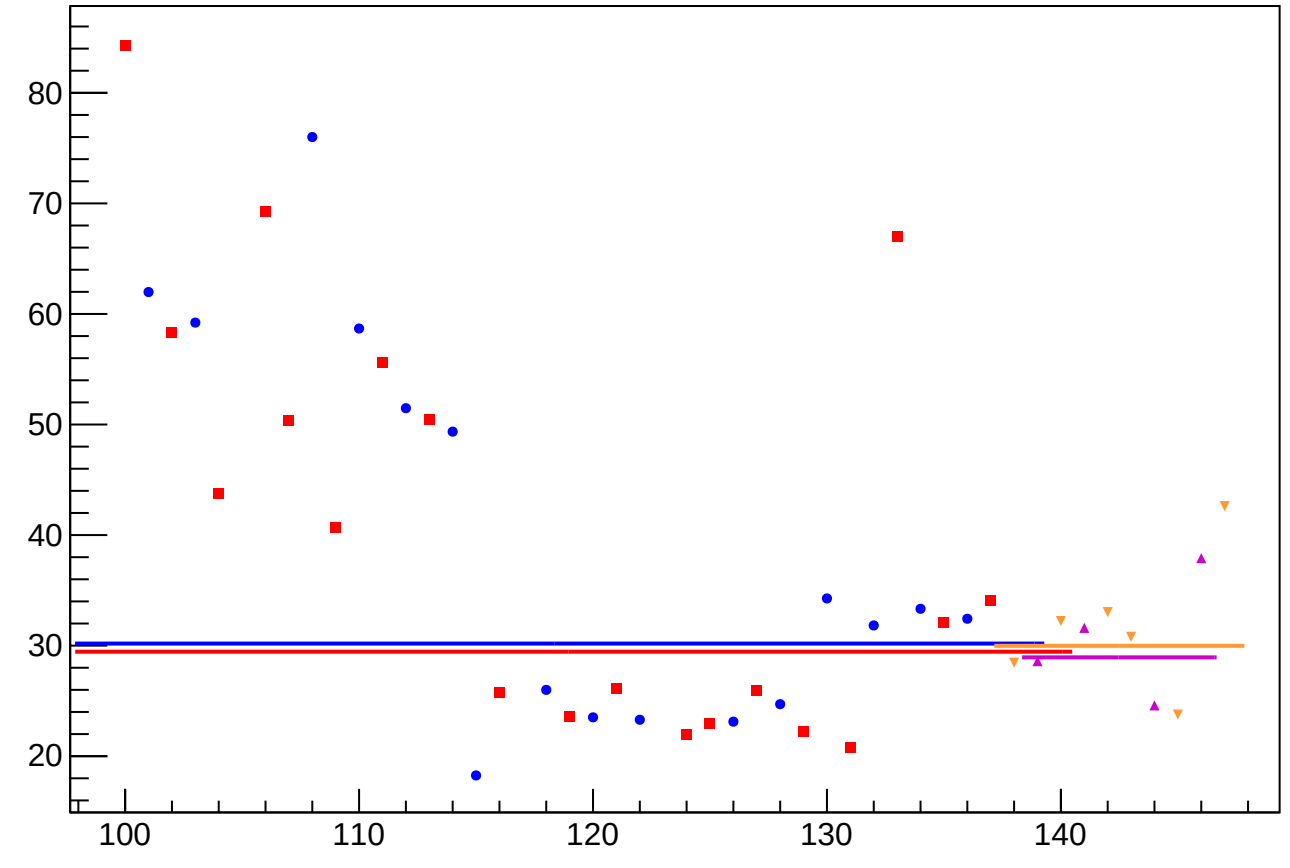
Left: -0.003+/-0.011 χ^2/NDF: 23.8/9

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.010+/-0.010 χ^2/NDF:16.6/19

Out: -0.003+/-0.009 χ^2/NDF:28.4/24

All: 0.003+/-0.007 χ^2/NDF: 45.8/44



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.985+/-0.010 χ^2/NDF:263759.1/5

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.938+/-0.011 χ^2/NDF:142482.1/3

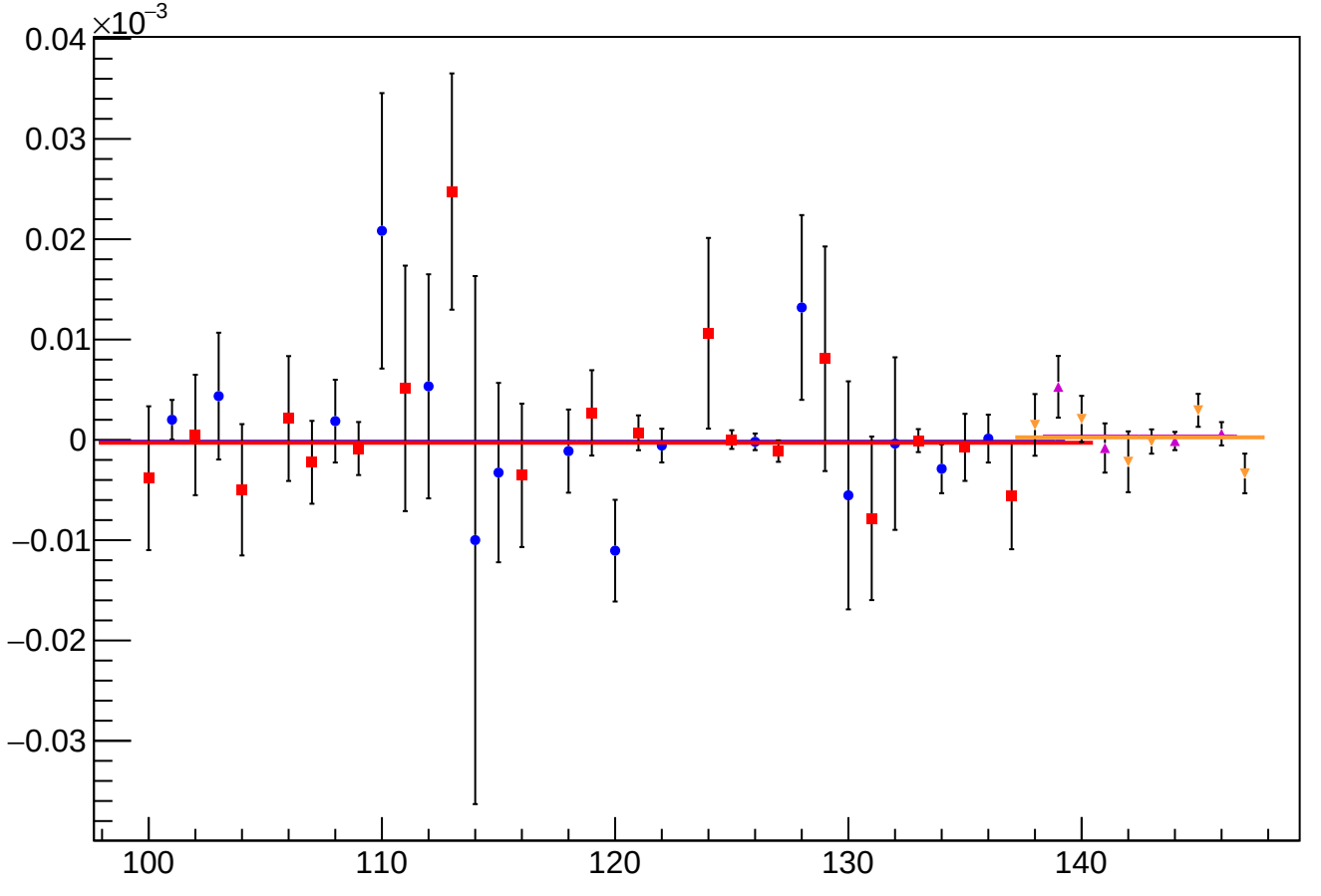
Left: 29.519+/-0.008 χ^2/NDF: 410869.7/9

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.731+/-0.007 χ^2/NDF:1837400.2/19

Out: 29.664+/-0.006 χ^2/NDF:2114018.3/24

All: 29.695+/-0.005 χ^2/NDF: 3951468.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/3

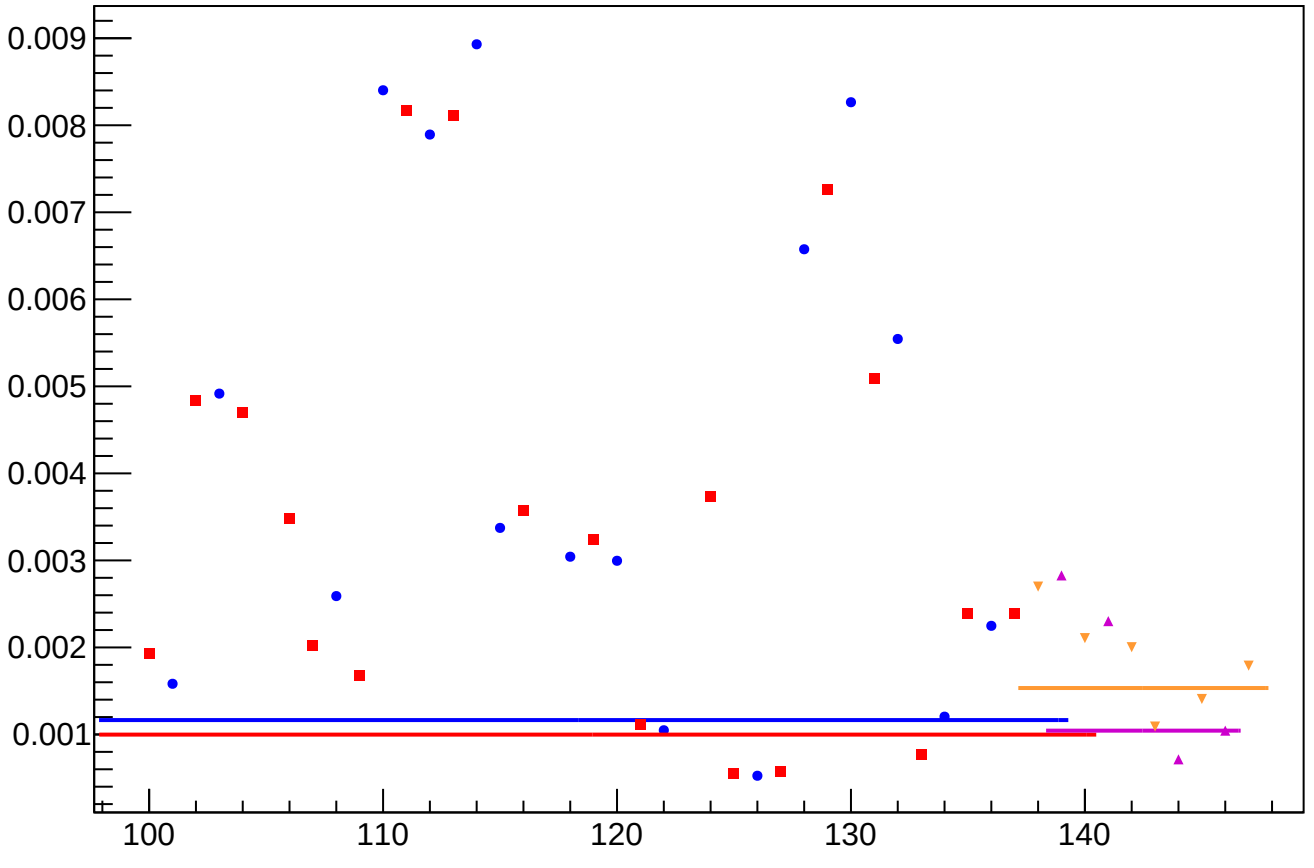
Left: 0.000+/-0.000 χ^2/NDF: 10.7/9

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:16.5/19

Out: -0.000+/-0.000 χ^2/NDF:19.3/24

All: -0.000+/-0.000 χ^2/NDF: 35.9/44



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:771706.6/5

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1460048.3/3

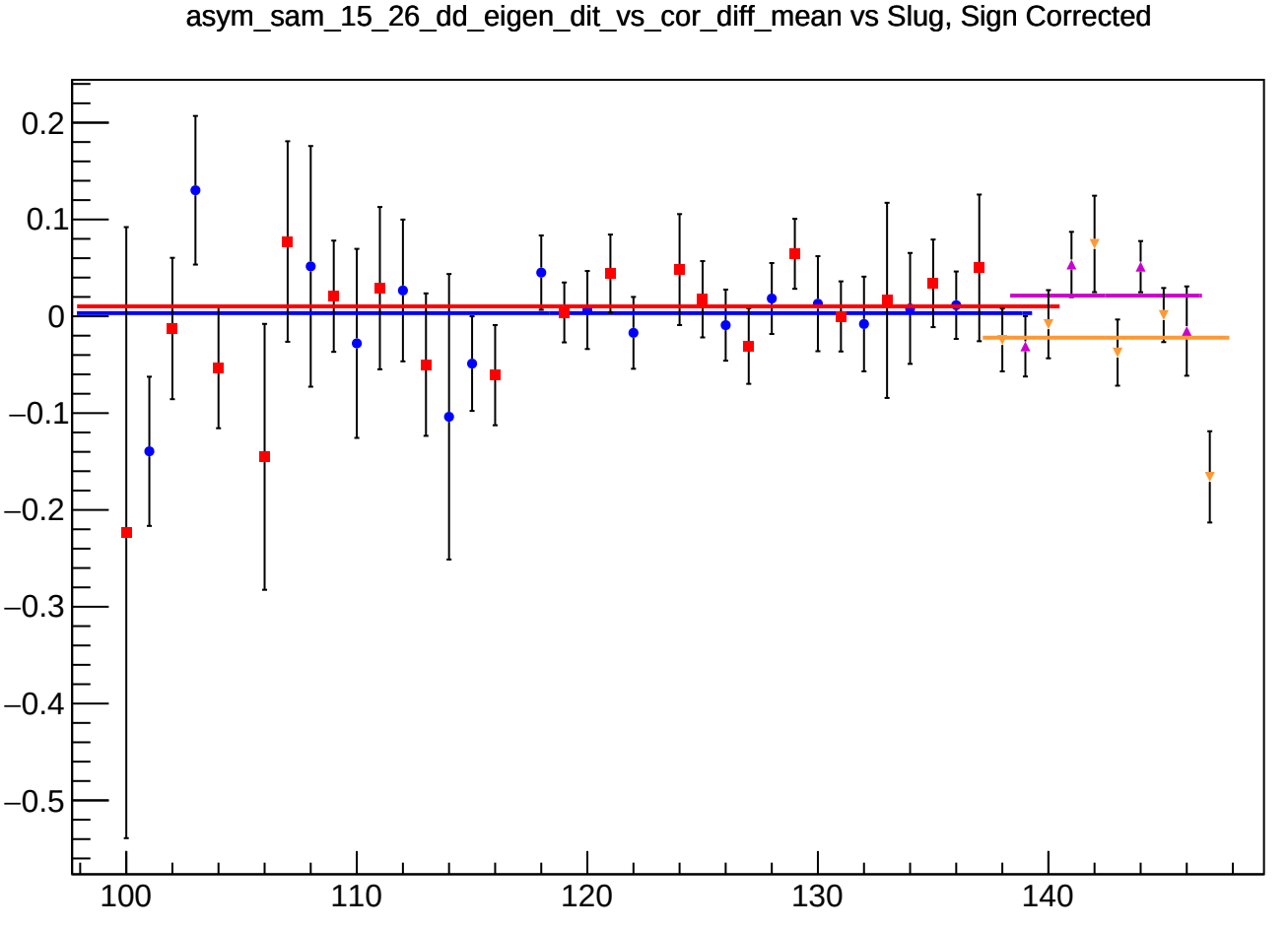
Left: 0.001+/-0.000 χ^2/NDF: 2695163.0/9

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:8377448.8/19

Out: 0.001+/-0.000 χ^2/NDF:8377321.2/24

All: 0.001+/-0.000 χ^2/NDF: 16772381.8/44



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.021+/-0.016 χ^2/NDF:5.7/3

Left: -0.003+/-0.011 χ^2/NDF: 23.8/9

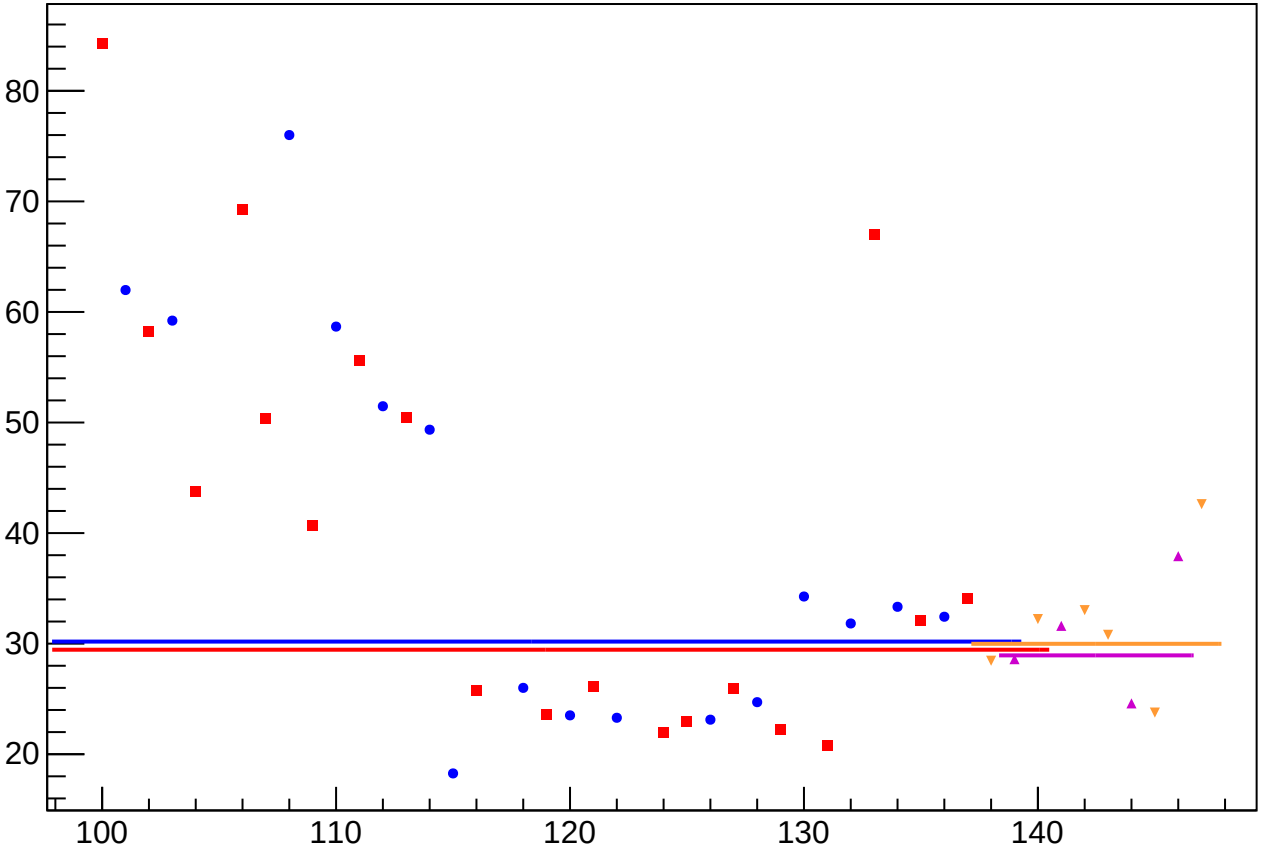
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.010+/-0.010 χ^2/NDF:16.6/19

Out: -0.003+/-0.009 χ^2/NDF:28.4/24

All: 0.003+/-0.007 χ^2/NDF: 45.8/44

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: 29.985+/-0.010 χ^2/NDF:263743.5/5

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.939+/-0.011 χ^2/NDF:142482.9/3

Left: 29.519+/-0.008 χ^2/NDF: 410855.4/9

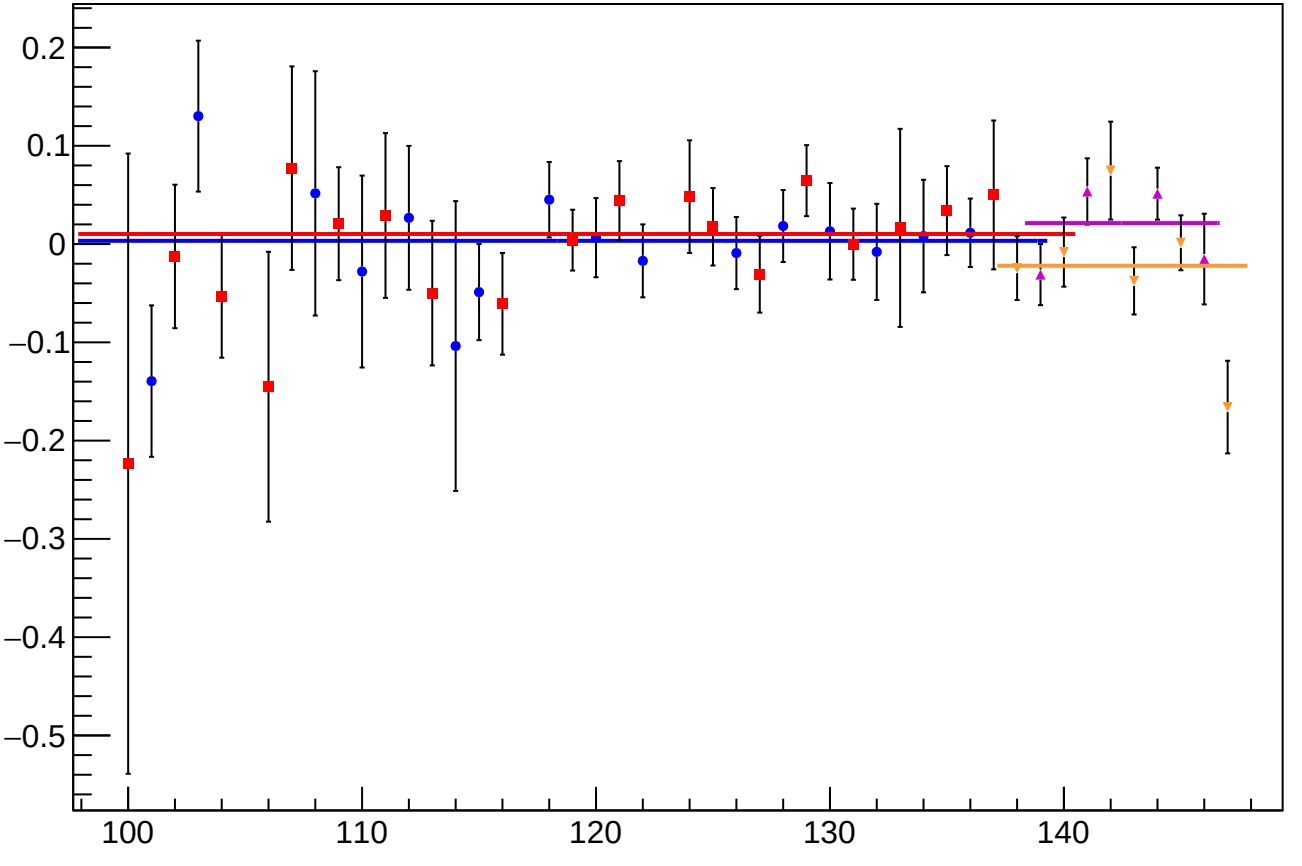
Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.731+/-0.007 χ^2/NDF:1837211.0/19

Out: 29.664+/-0.006 χ^2/NDF:2114005.4/24

All: 29.695+/-0.005 χ^2/NDF: 3951266.9/44

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.022+/-0.015 χ^2/NDF:14.1/5

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.021+/-0.016 χ^2/NDF:5.7/3

Left: -0.003+/-0.011 χ^2/NDF: 23.8/9

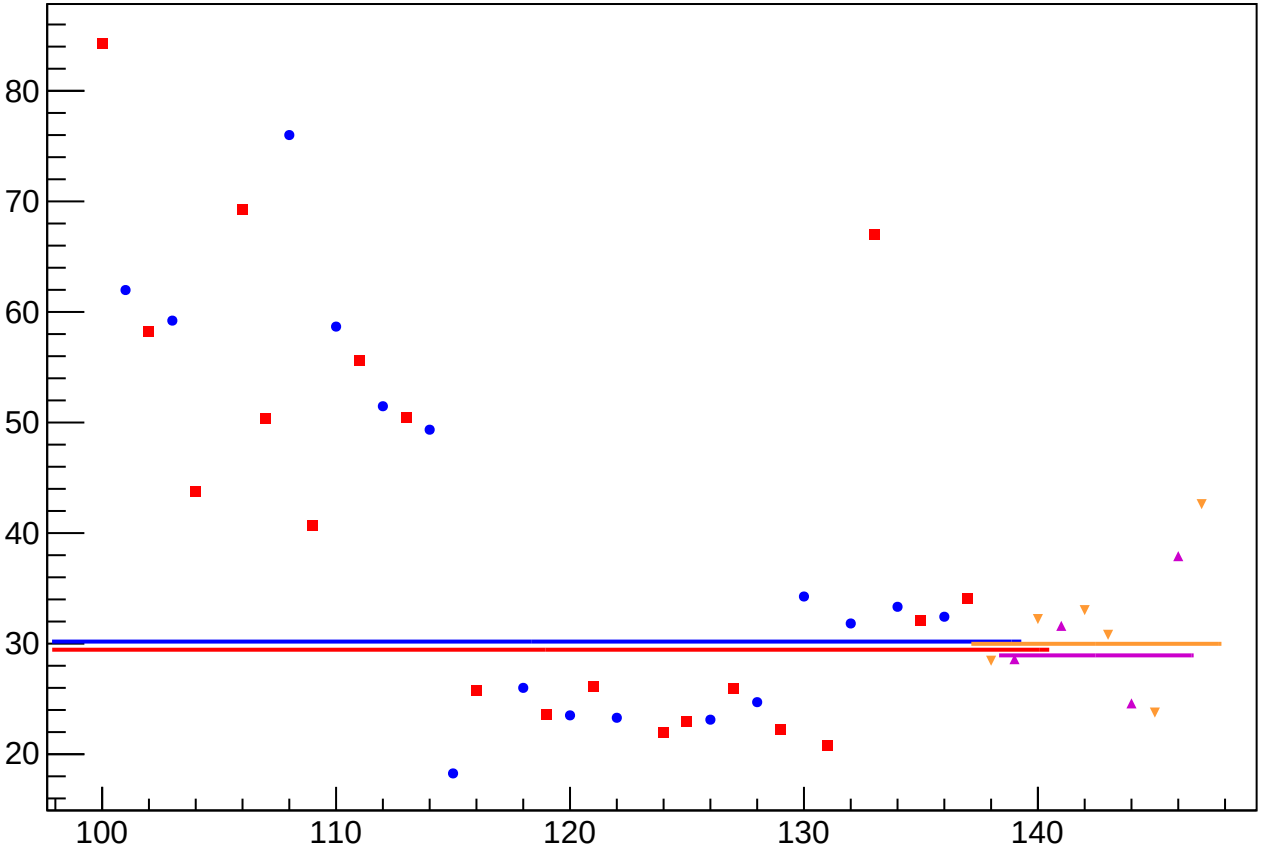
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.010+/-0.010 χ^2/NDF:16.6/19

Out: -0.003+/-0.009 χ^2/NDF:28.4/24

All: 0.003+/-0.007 χ^2/NDF: 45.8/44

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: 29.985+/-0.010 χ^2/NDF:263743.5/5

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.939+/-0.011 χ^2/NDF:142482.9/3

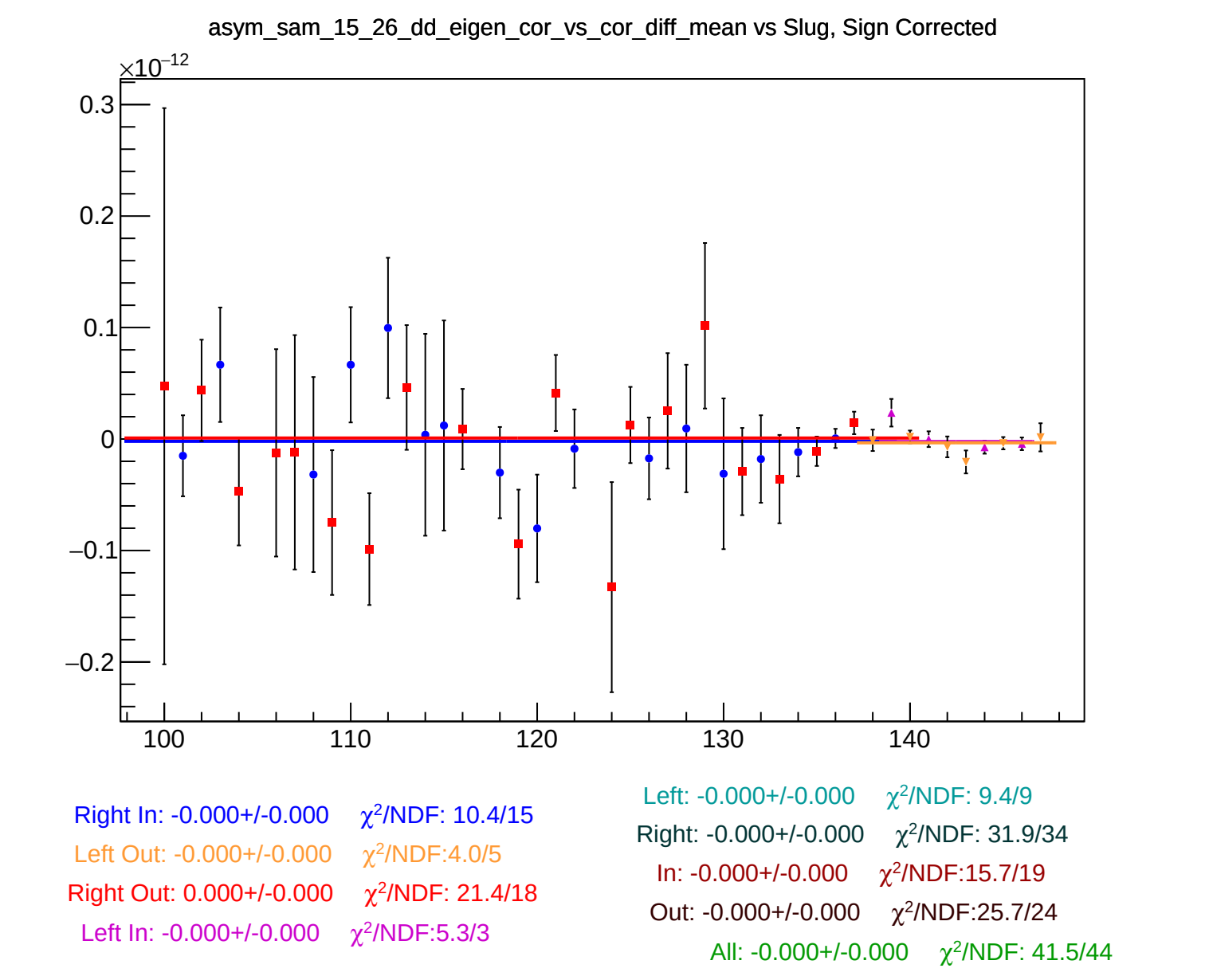
Left: 29.519+/-0.008 χ^2/NDF: 410855.4/9

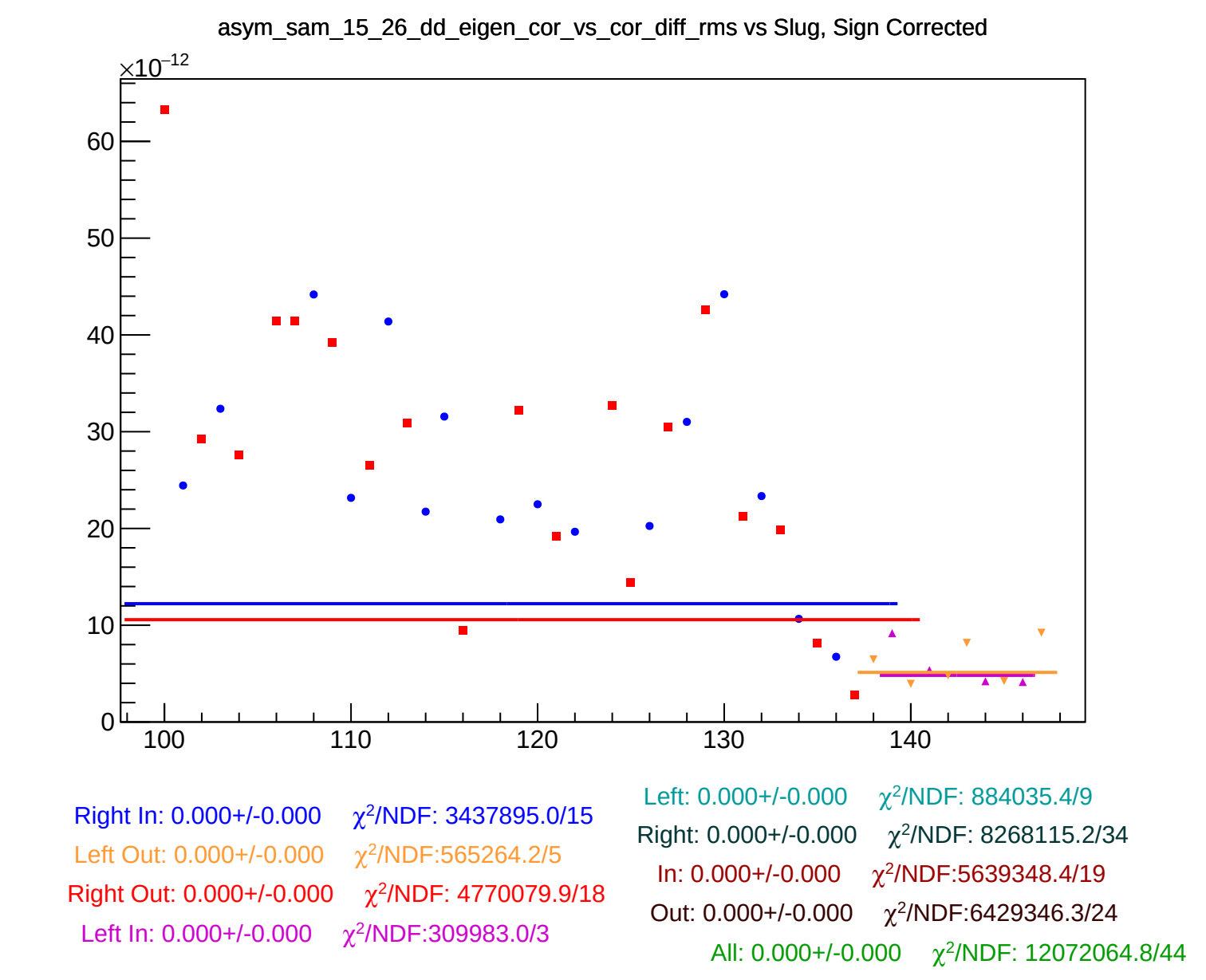
Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

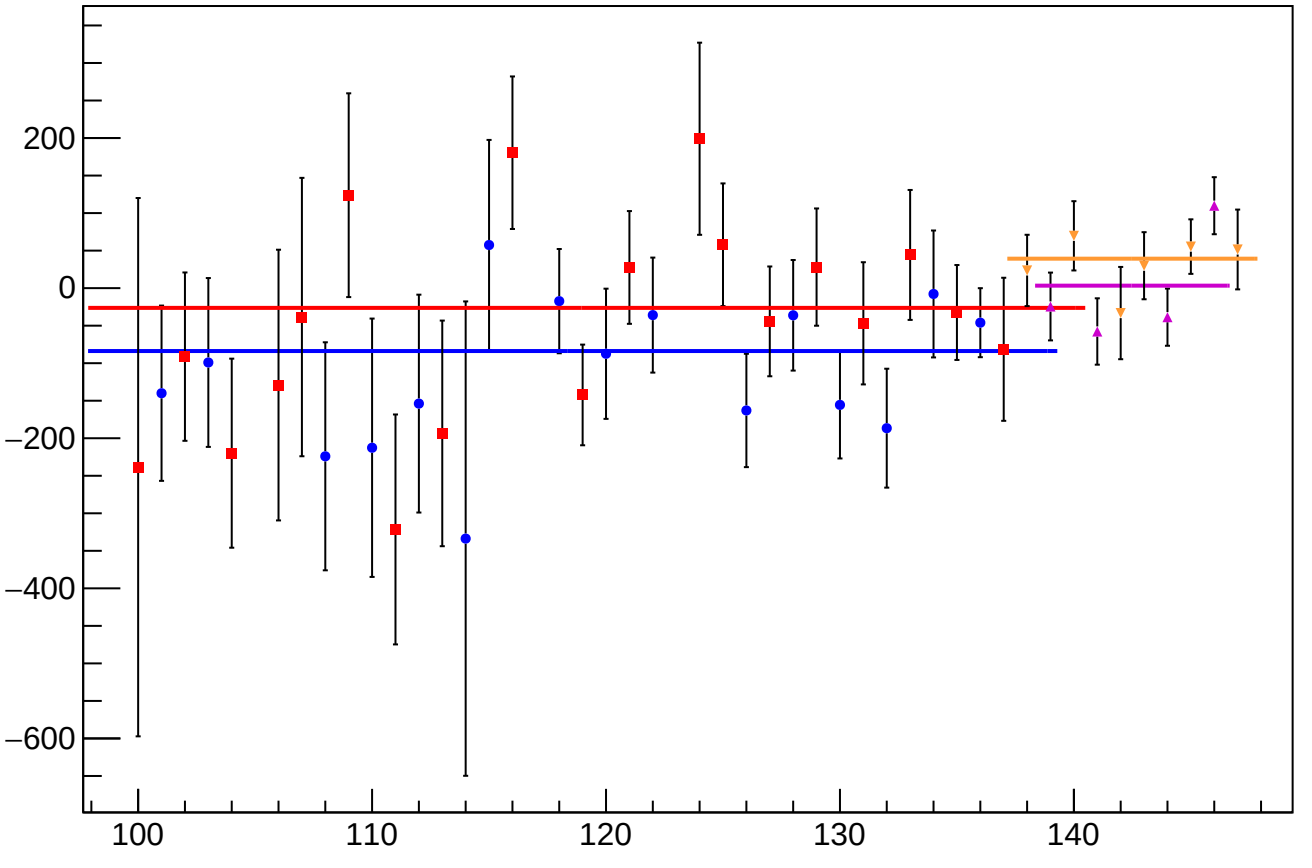
In: 29.731+/-0.007 χ^2/NDF:1837211.0/19

Out: 29.664+/-0.006 χ^2/NDF:2114005.4/24

All: 29.695+/-0.005 χ^2/NDF: 3951266.9/44


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 10.4/15
Left Out: -0.000+/-0.000 χ²/NDF:4.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:5.3/3
Left: -0.000+/-0.000 χ²/NDF: 9.4/9
Right: -0.000+/-0.000 χ²/NDF: 31.9/34
In: -0.000+/-0.000 χ²/NDF:15.7/19
Out: -0.000+/-0.000 χ²/NDF:25.7/24
All: -0.000+/-0.000 χ²/NDF: 41.5/44


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:565264.2/5
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:309983.0/3
Left: 0.000+/-0.000 χ²/NDF: 884035.4/9
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:5639348.4/19
Out: 0.000+/-0.000 χ²/NDF:6429346.3/24
All: 0.000+/-0.000 χ²/NDF: 12072064.8/44



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 39.263+/-18.934 χ^2/NDF:2.2/5

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 3.312+/-20.488 χ^2/NDF:11.4/3

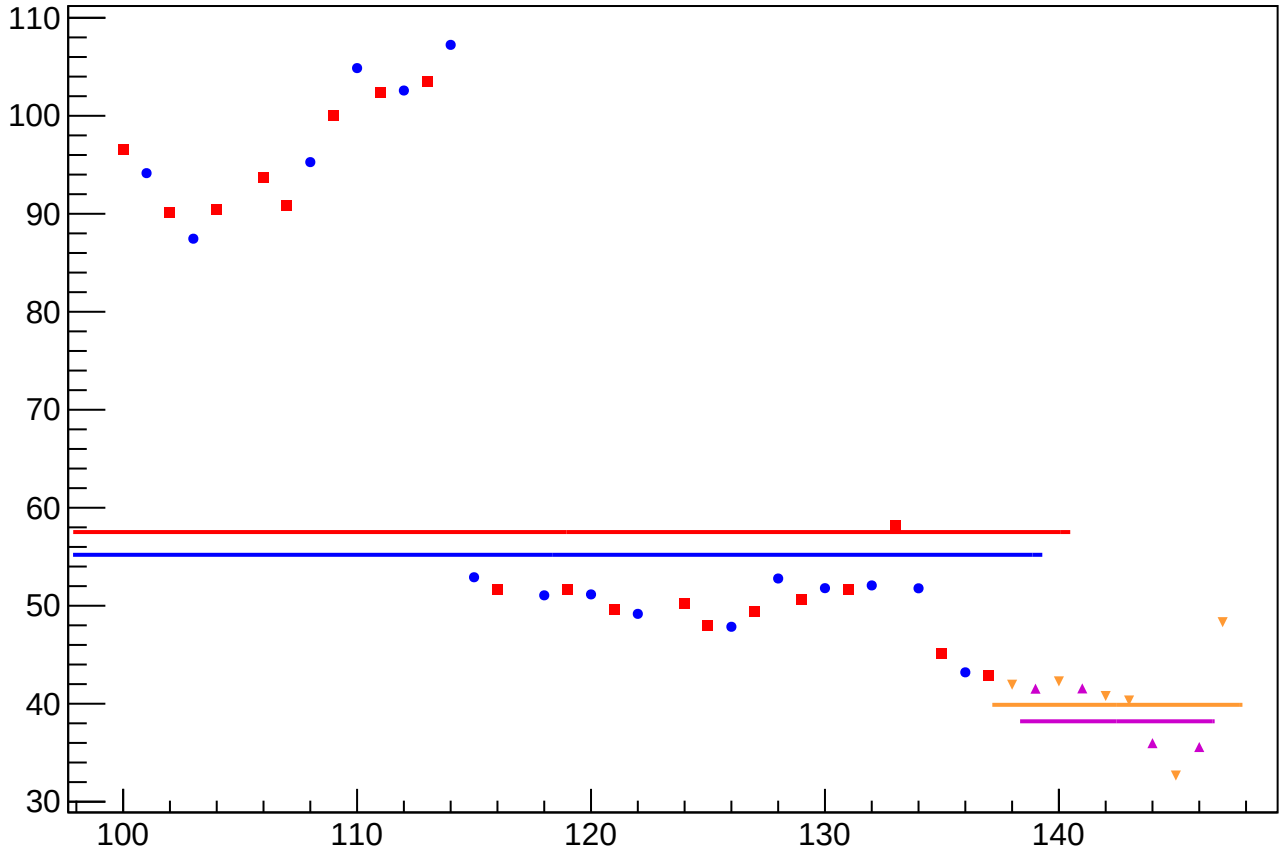
Left: 22.703+/-13.905 χ^2/NDF: 15.2/9

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -38.282+/-14.811 χ^2/NDF:30.5/19

Out: 11.462+/-14.369 χ^2/NDF:30.3/24

All: -12.658+/-10.313 χ^2/NDF: 66.6/44



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 39.888+/-0.013 χ^2/NDF:138972.8/5

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

Left: 39.113+/-0.010 χ^2/NDF: 185023.8/9

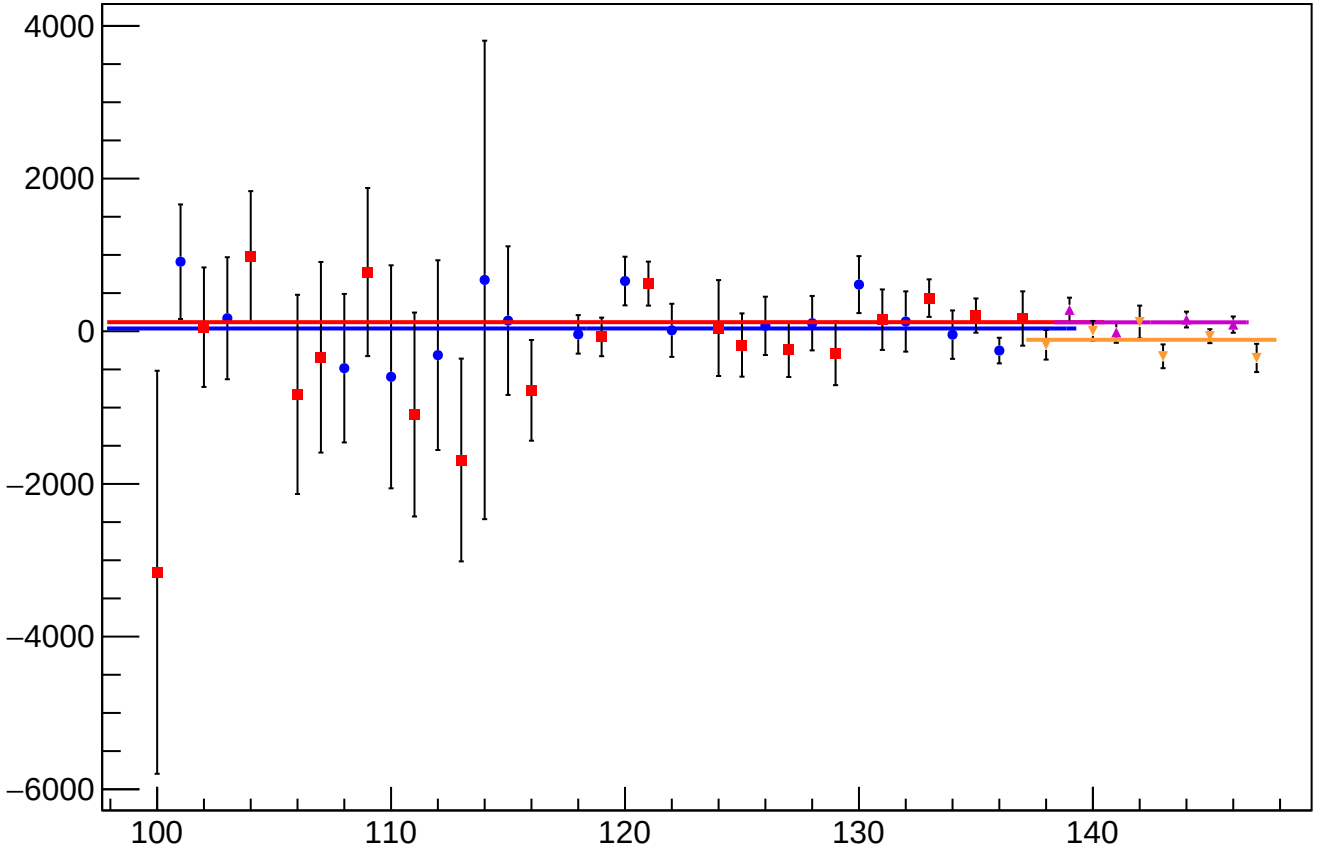
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 46.318+/-0.010 χ^2/NDF:1848141.5/19

Out: 47.364+/-0.010 χ^2/NDF:2156103.8/24

All: 46.857+/-0.007 χ^2/NDF: 4009384.0/44

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 117.231+/-60.414 χ^2/NDF:2.2/3

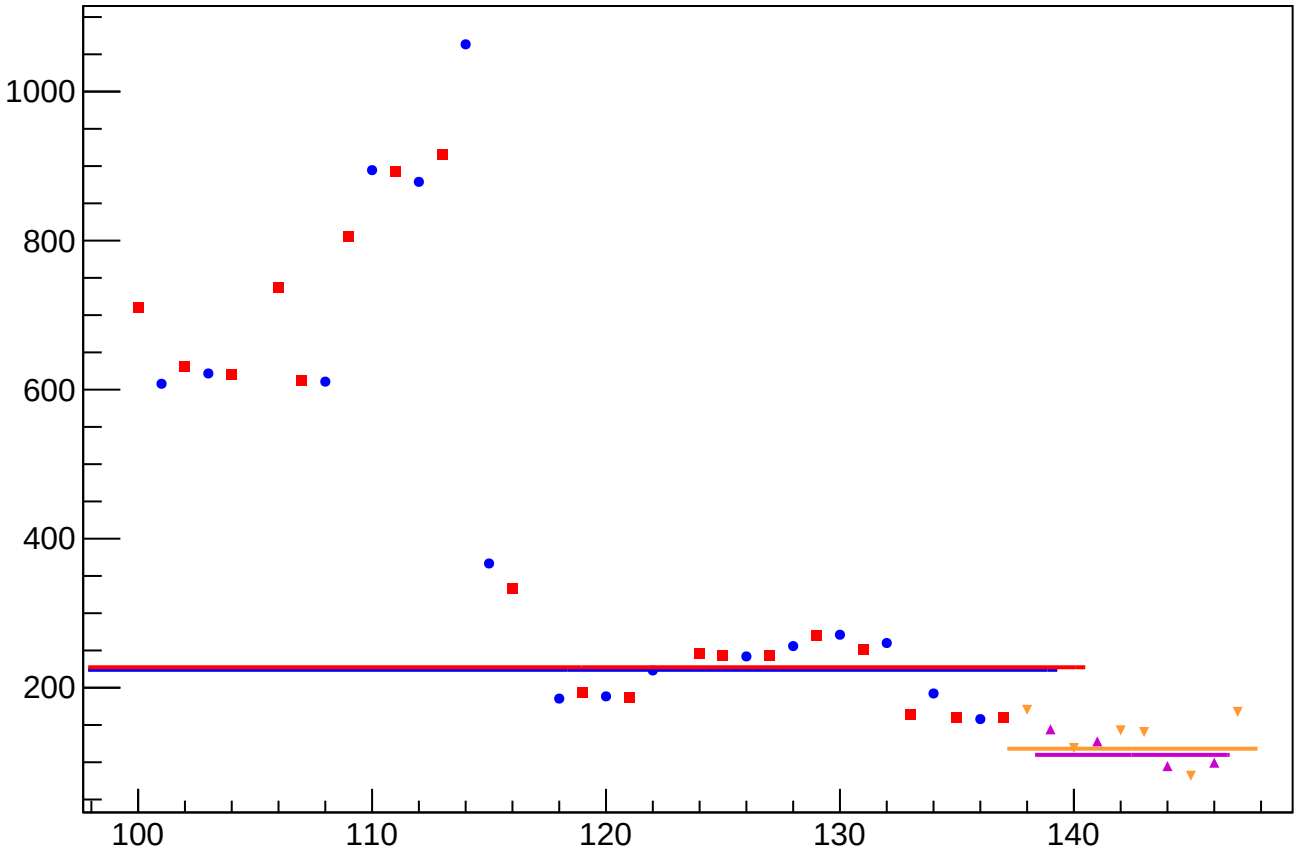
Left: -1.878+/-41.858 χ^2/NDF: 15.6/9

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 93.425+/-50.753 χ^2/NDF:14.1/19

Out: -49.836+/-49.651 χ^2/NDF:26.2/24

All: 20.222+/-35.492 χ^2/NDF: 44.4/44



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 118.199+/-0.041 χ^2/NDF:668286.2/5

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 109.898+/-0.043 χ^2/NDF:188895.4/3

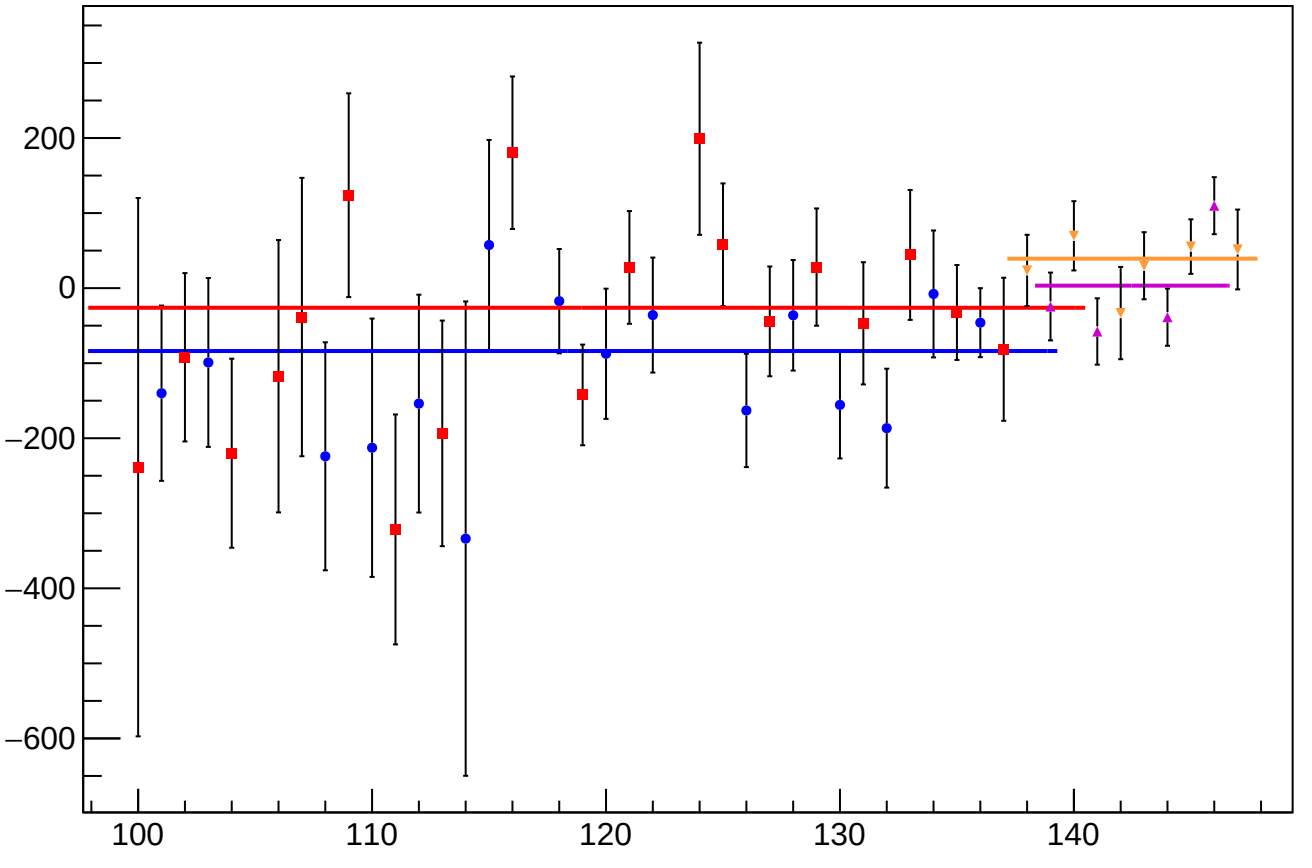
Left: 114.214+/-0.030 χ^2/NDF: 876814.3/9

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 143.485+/-0.036 χ^2/NDF:5257728.2/19

Out: 147.524+/-0.035 χ^2/NDF:6210509.8/24

All: 145.549+/-0.025 χ^2/NDF: 11474713.0/44



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 39.265+/-18.934 χ^2/NDF:2.2/5

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 3.310+/-20.488 χ^2/NDF:11.4/3

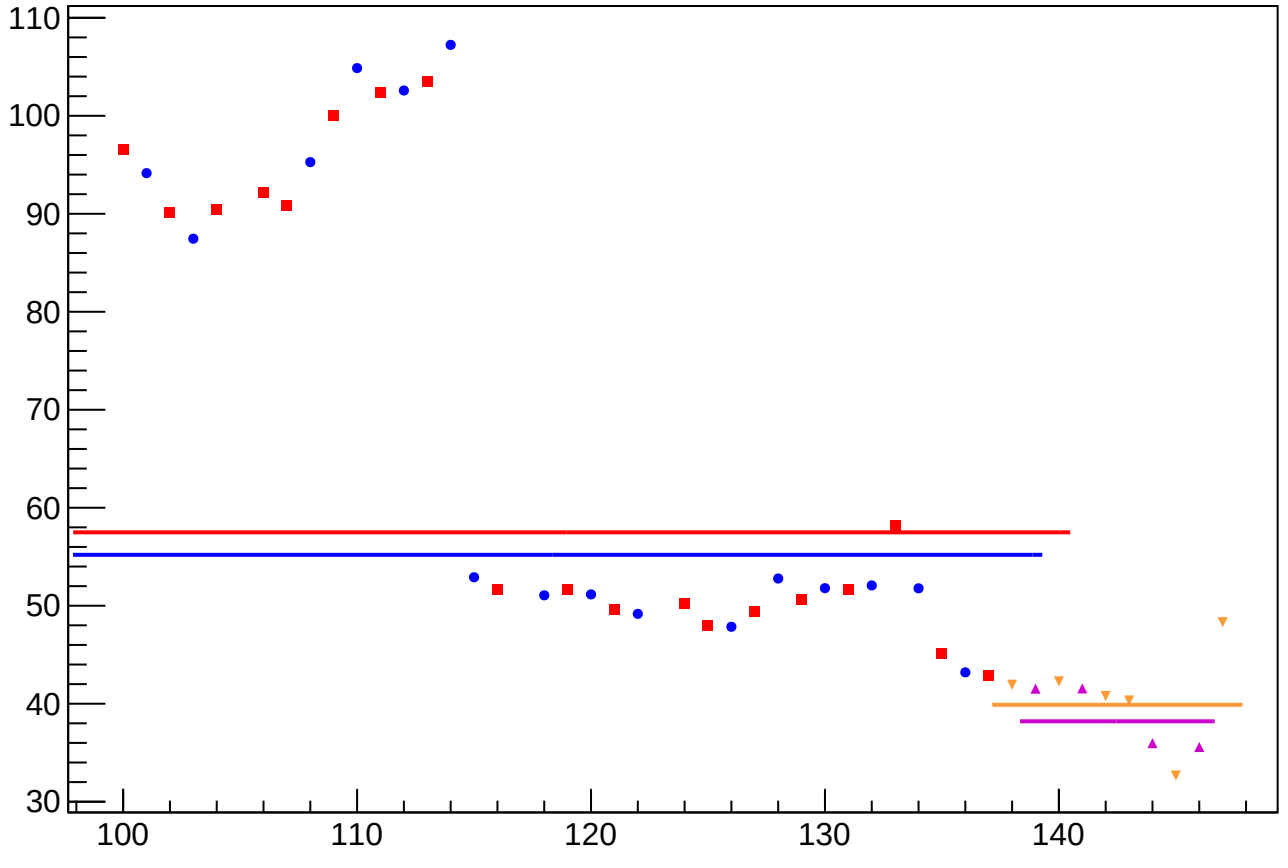
Left: 22.703+/-13.905 χ^2/NDF: 15.2/9

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -38.282+/-14.811 χ^2/NDF:30.5/19

Out: 11.533+/-14.370 χ^2/NDF:30.2/24

All: -12.623+/-10.313 χ^2/NDF: 66.6/44



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 39.888+/-0.013 χ^2/NDF:138972.8/5

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

Left: 39.113+/-0.010 χ^2/NDF: 185023.9/9

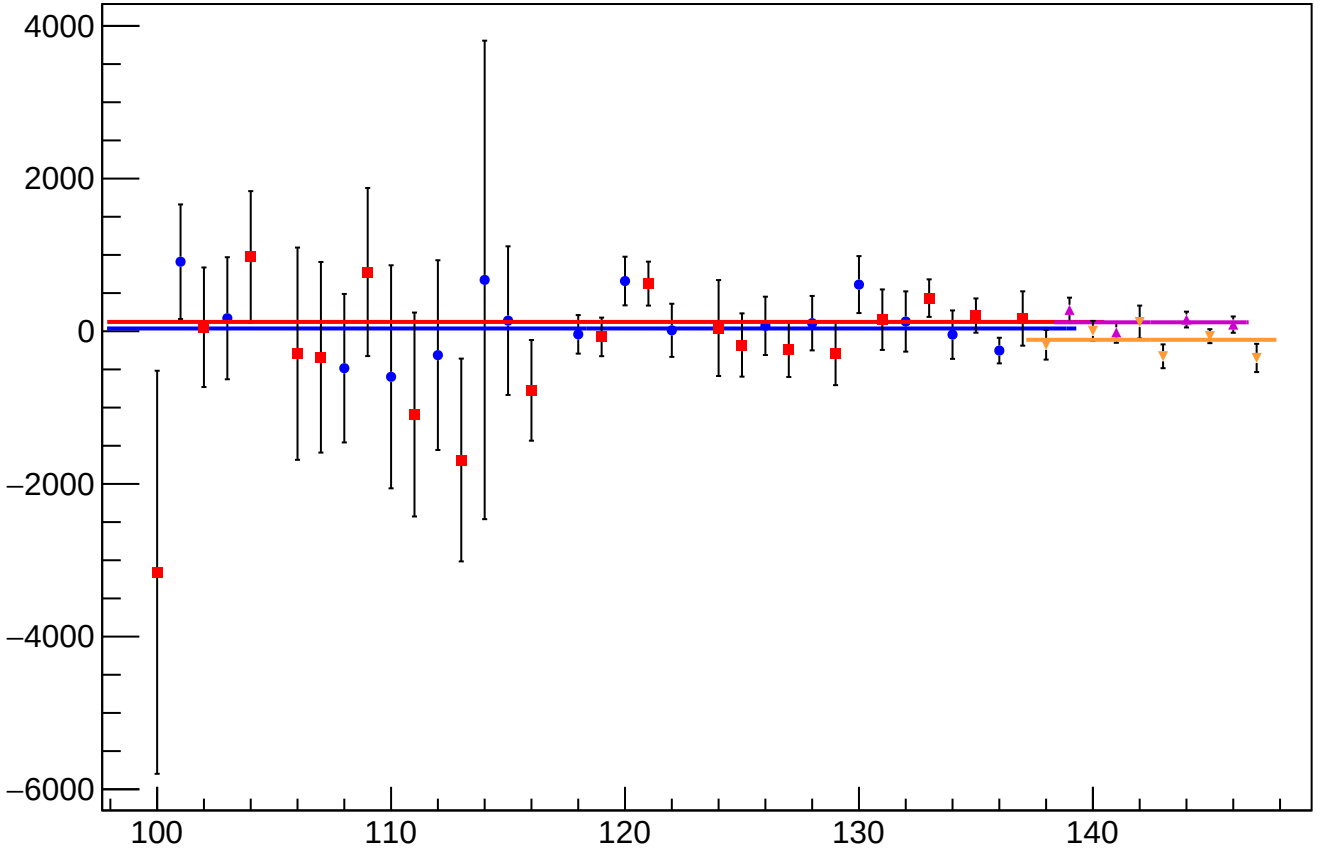
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.318+/-0.010 χ^2/NDF:1848141.8/19

Out: 47.351+/-0.010 χ^2/NDF:2146210.8/24

All: 46.850+/-0.007 χ^2/NDF: 3999363.4/44

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 117.230+/-60.414 χ^2/NDF:2.2/3

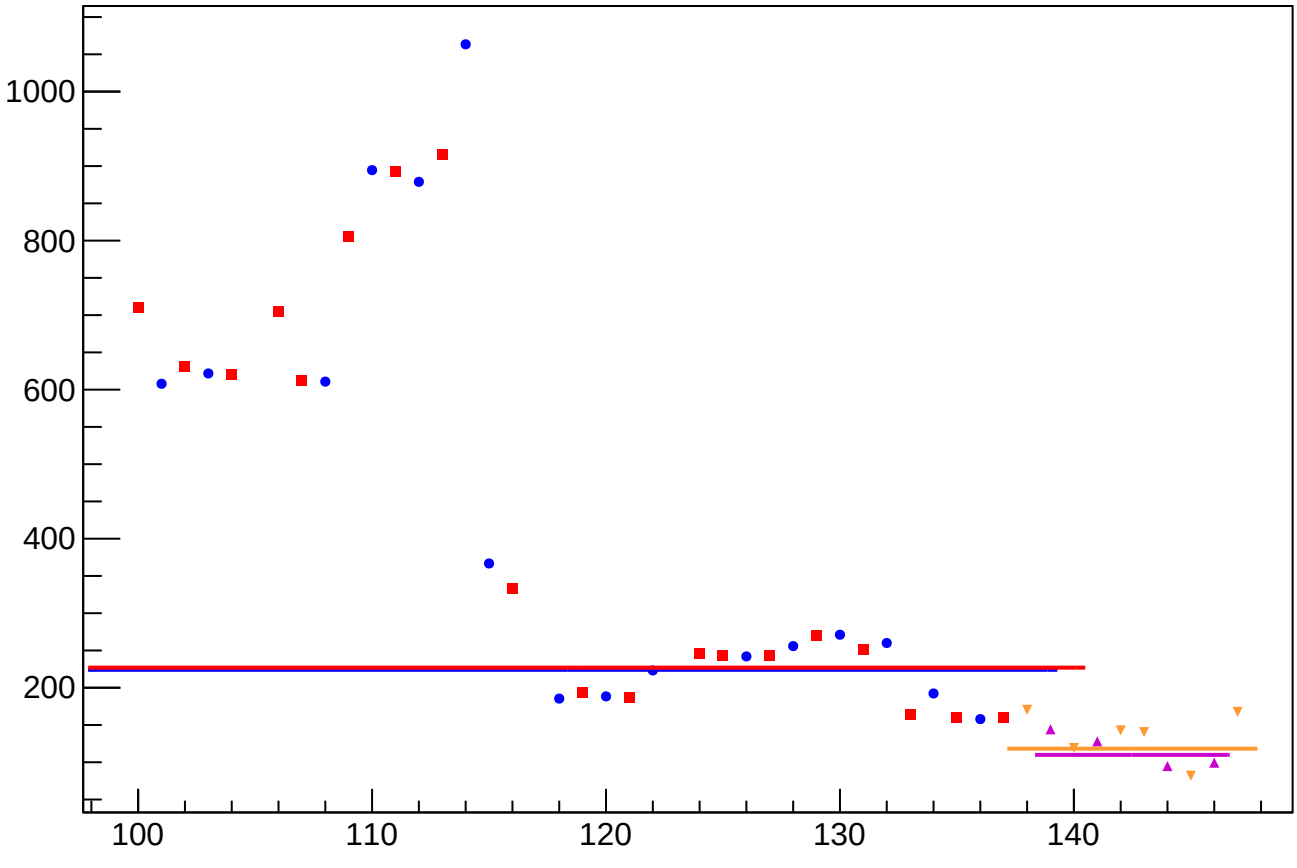
Left: -1.878+/-41.858 χ^2/NDF: 15.6/9

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 93.425+/-50.753 χ^2/NDF:14.1/19

Out: -49.028+/-49.655 χ^2/NDF:25.9/24

All: 20.641+/-35.493 χ^2/NDF: 44.0/44



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 118.199+/-0.041 χ^2/NDF:668290.9/5

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 109.897+/-0.043 χ^2/NDF:188897.1/3

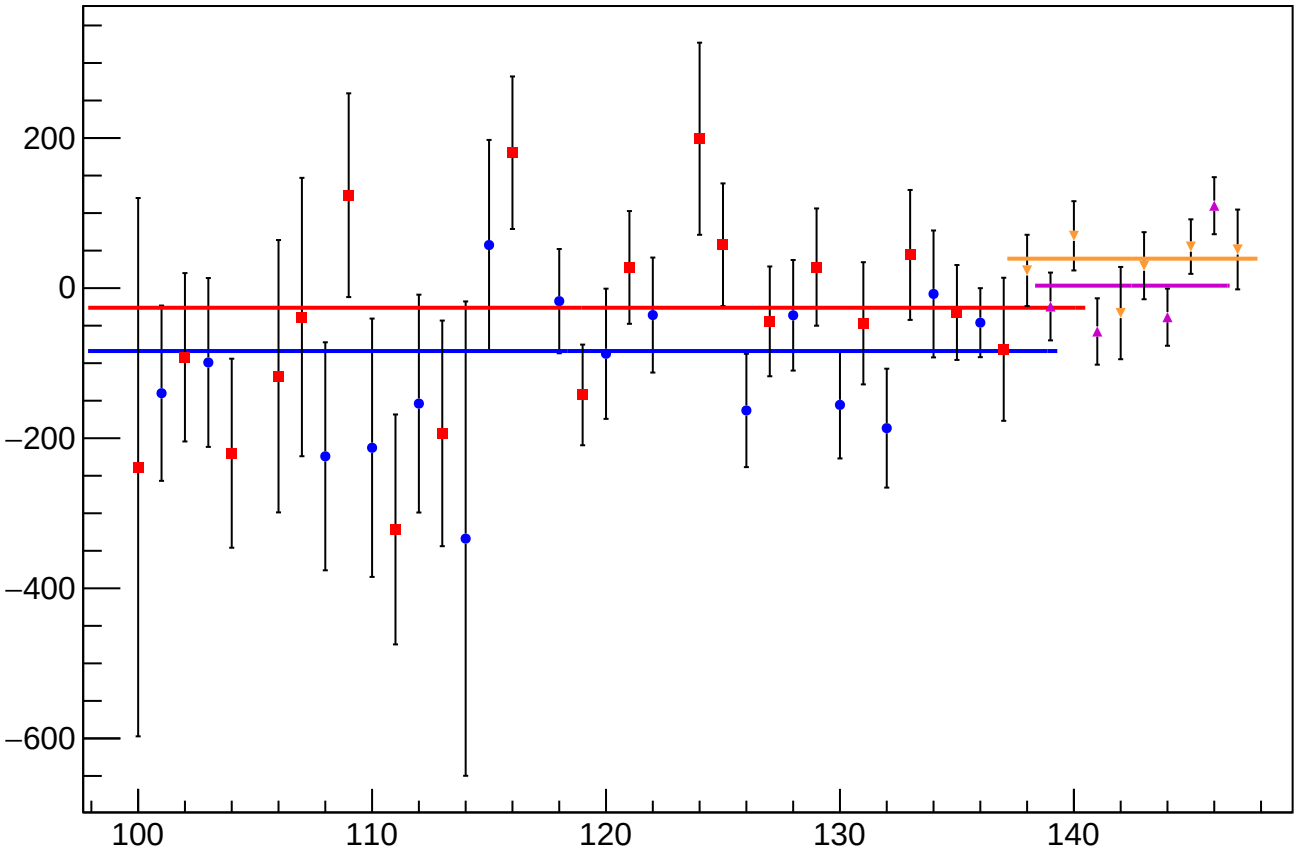
Left: 114.214+/-0.030 χ^2/NDF: 876820.9/9

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 143.484+/-0.036 χ^2/NDF:5257743.1/19

Out: 147.382+/-0.035 χ^2/NDF:6124261.4/24

All: 145.476+/-0.025 χ^2/NDF: 11388029.6/44



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 39.265+/-18.934 χ^2/NDF:2.2/5

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 3.310+/-20.488 χ^2/NDF:11.4/3

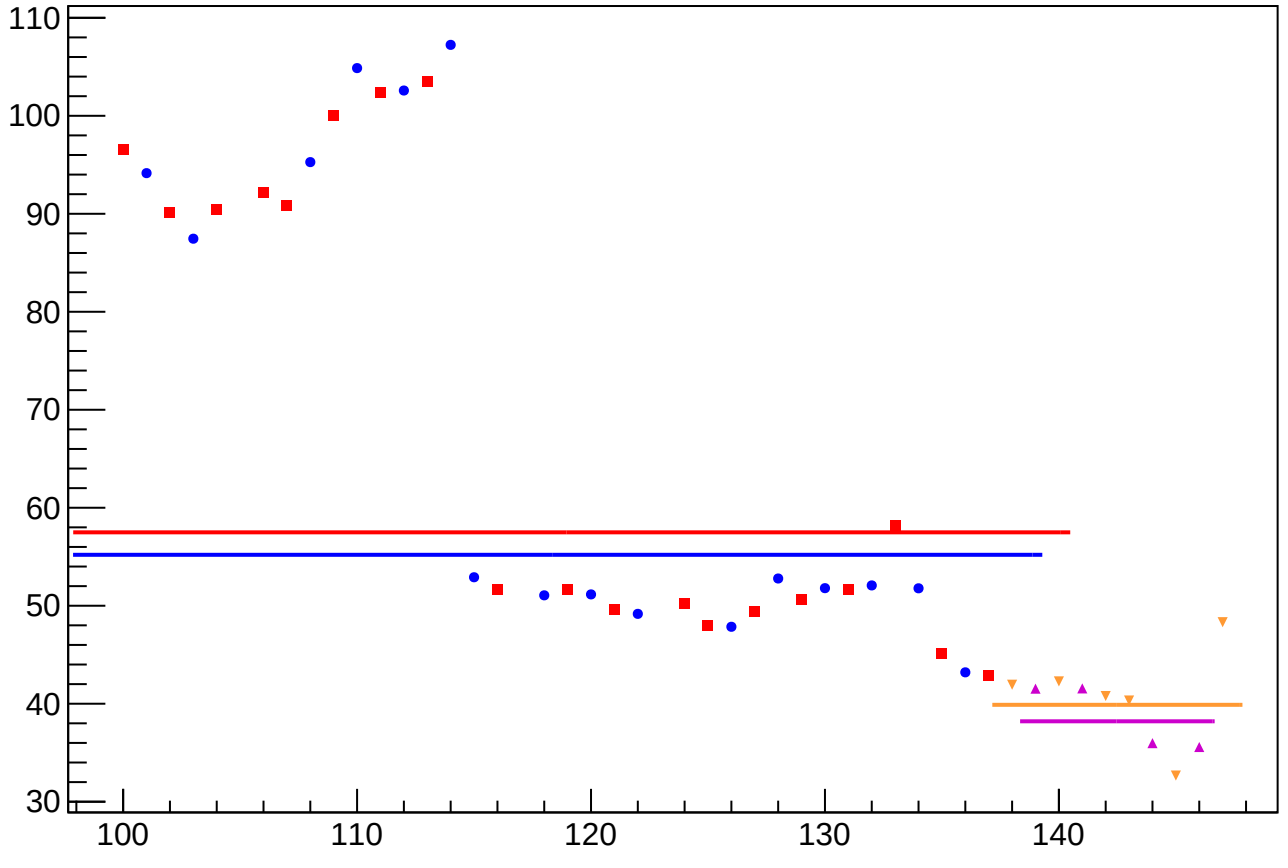
Left: 22.703+/-13.905 χ^2/NDF: 15.2/9

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -38.282+/-14.811 χ^2/NDF:30.5/19

Out: 11.533+/-14.370 χ^2/NDF:30.2/24

All: -12.623+/-10.313 χ^2/NDF: 66.6/44



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 39.888+/-0.013 χ^2/NDF:138972.8/5

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.206+/-0.014 χ^2/NDF:38775.5/3

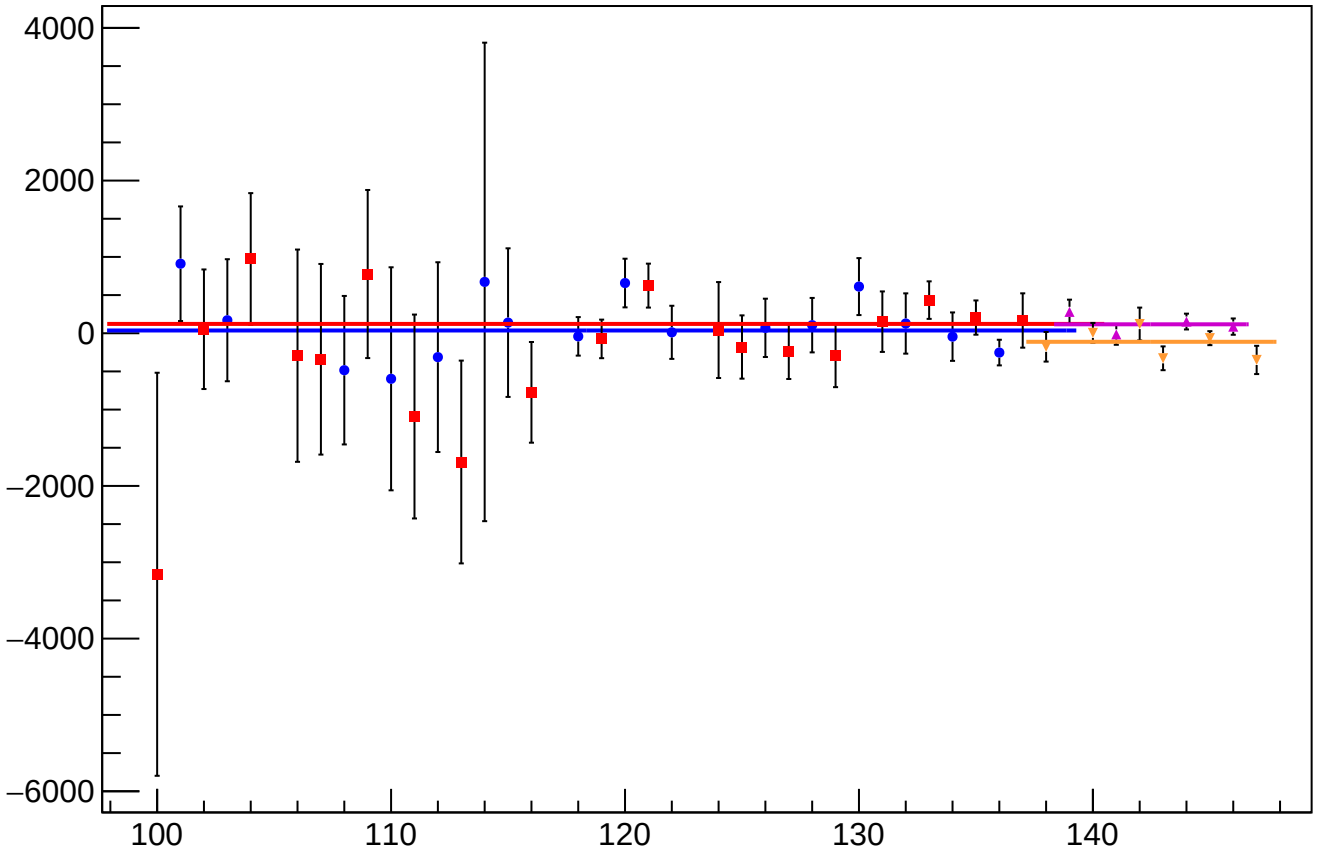
Left: 39.113+/-0.010 χ^2/NDF: 185023.9/9

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.318+/-0.010 χ^2/NDF:1848141.8/19

Out: 47.351+/-0.010 χ^2/NDF:2146210.8/24

All: 46.850+/-0.007 χ^2/NDF: 3999363.4/44



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -111.845+/-58.049 χ^2/NDF:5.9/5

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 117.230+/-60.414 χ^2/NDF:2.2/3

Left: -1.878+/-41.858 χ^2/NDF: 15.6/9

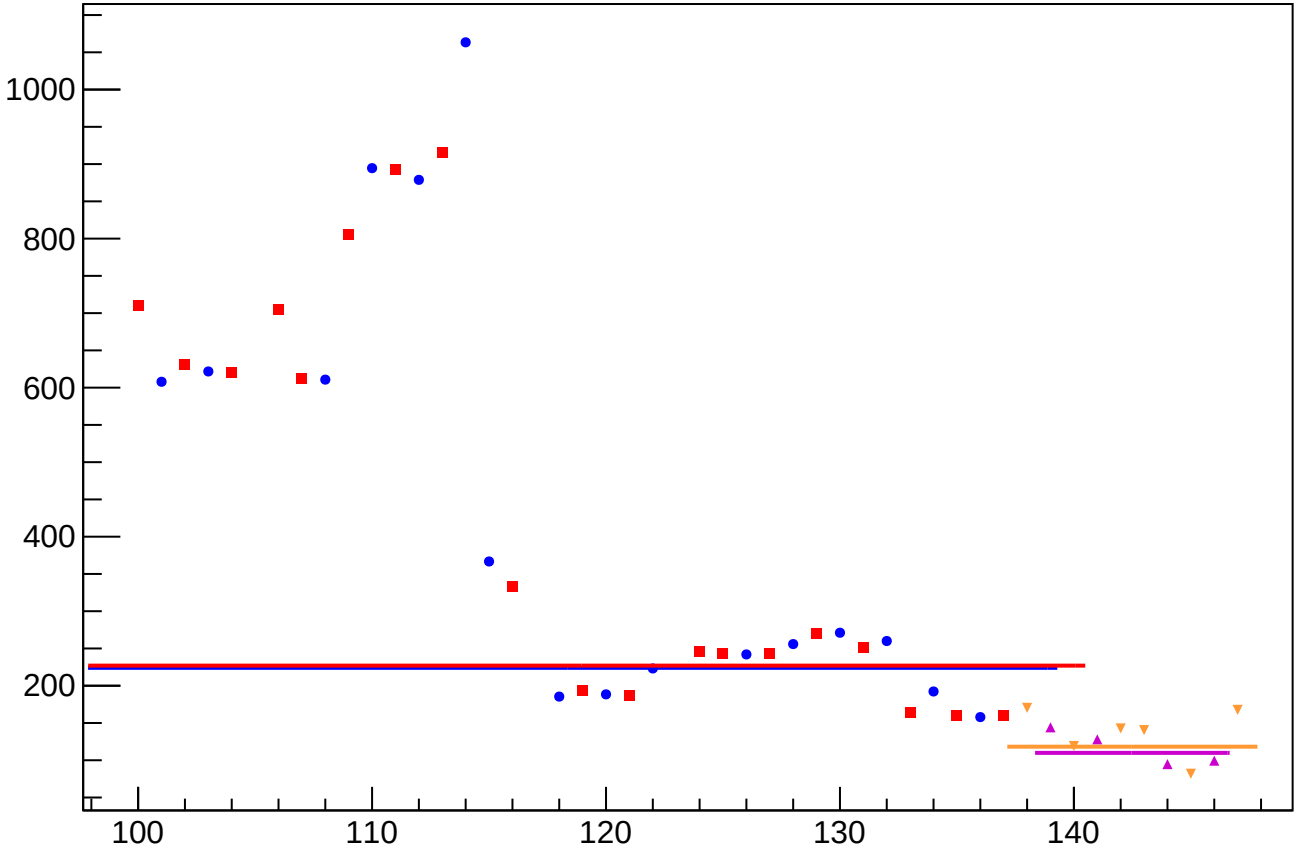
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 93.425+/-50.753 χ^2/NDF:14.1/19

Out: -49.028+/-49.655 χ^2/NDF:25.9/24

All: 20.641+/-35.493 χ^2/NDF: 44.0/44

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: 118.199+/-0.041 χ^2/NDF:668290.9/5

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 109.897+/-0.043 χ^2/NDF:188897.1/3

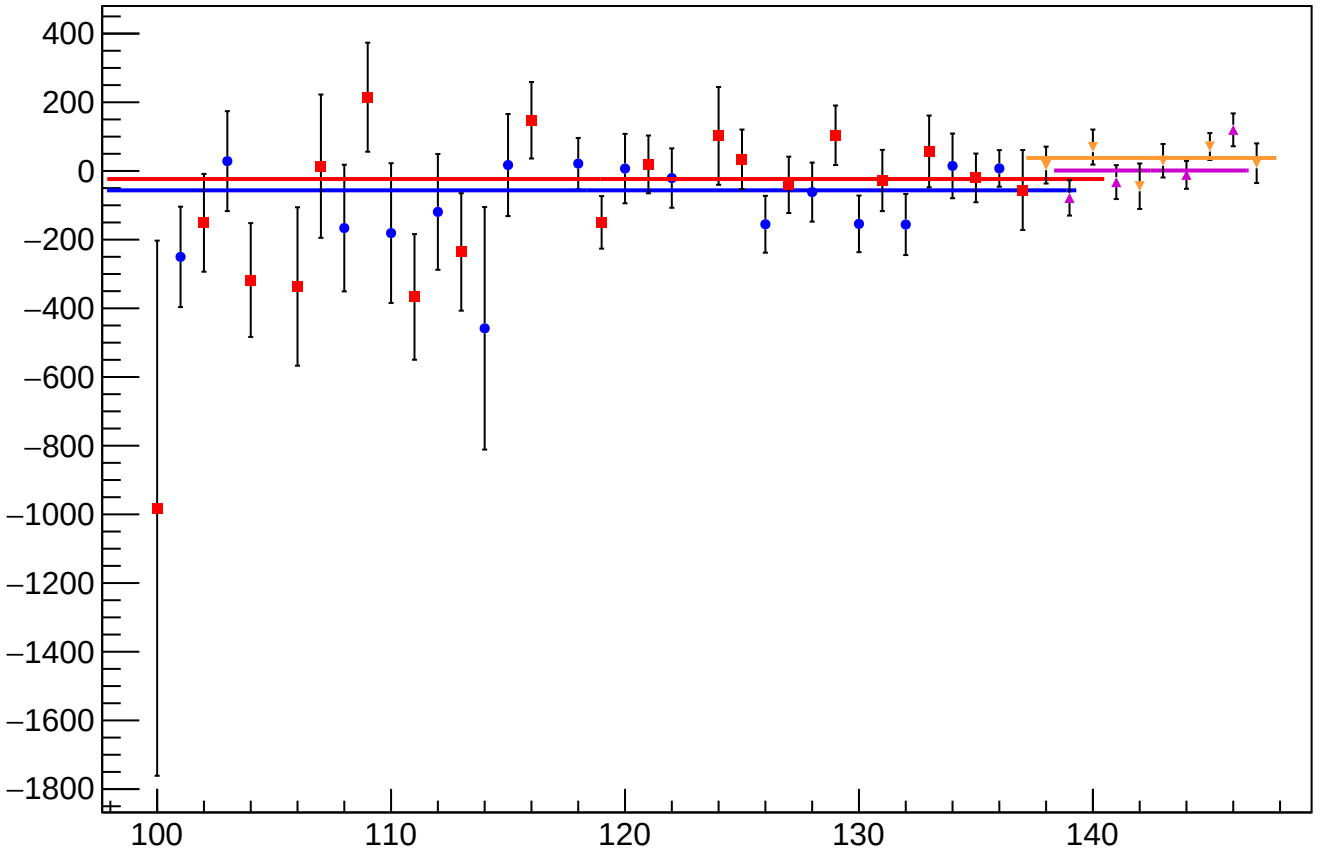
Left: 114.214+/-0.030 χ^2/NDF: 876820.9/9

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 143.484+/-0.036 χ^2/NDF:5257743.1/19

Out: 147.382+/-0.035 χ^2/NDF:6124261.4/24

All: 145.476+/-0.025 χ^2/NDF: 11388029.6/44



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.875+/-20.703 χ^2/NDF:2.9/5

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 1.307+/-23.367 χ^2/NDF:9.1/3

Left: 21.793+/-15.496 χ^2/NDF: 13.4/9

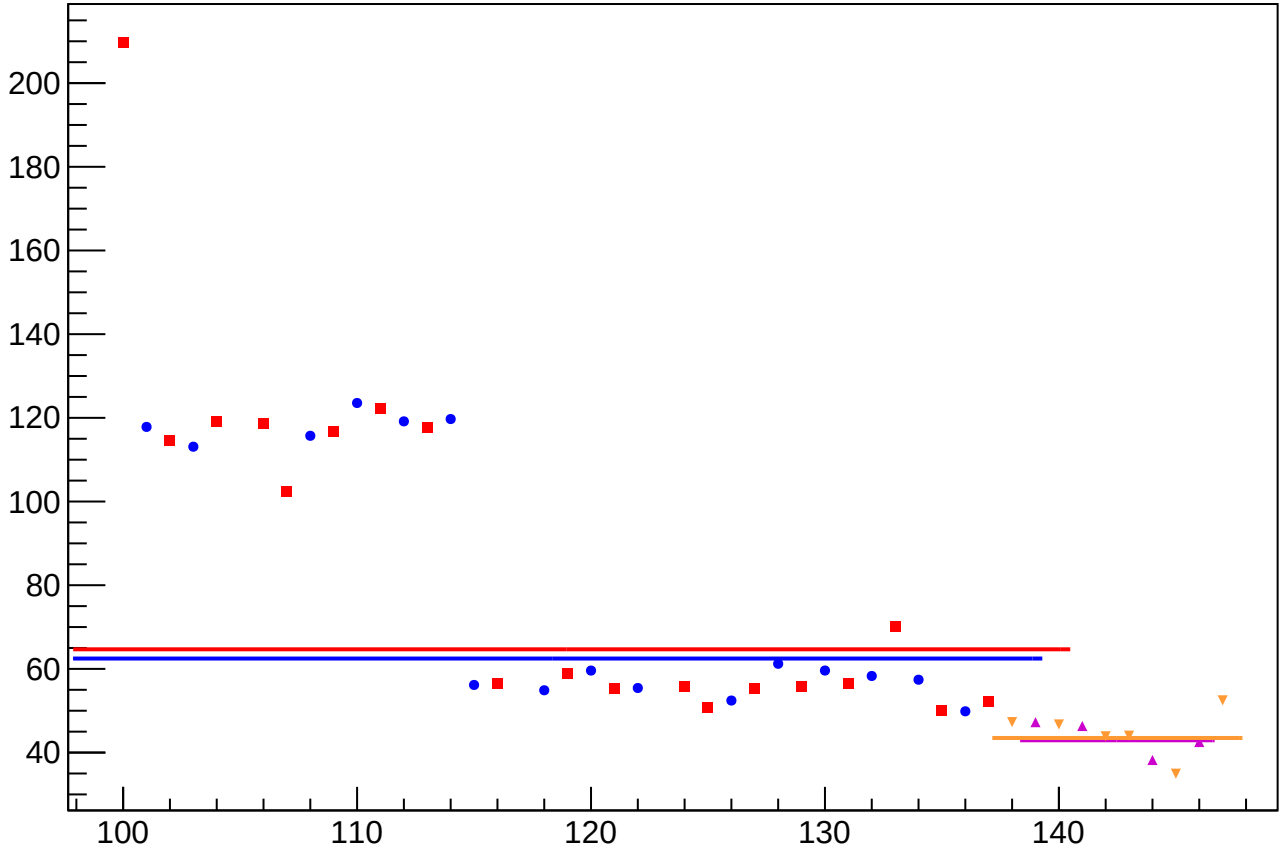
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -26.201+/-16.906 χ^2/NDF:24.3/19

Out: 13.098+/-15.987 χ^2/NDF:30.5/24

All: -5.454+/-11.616 χ^2/NDF: 57.7/44

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 43.486+/-0.015 χ^2/NDF:162227.4/5

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.941+/-0.017 χ^2/NDF:50799.8/3

Left: 43.246+/-0.011 χ^2/NDF: 213636.5/9

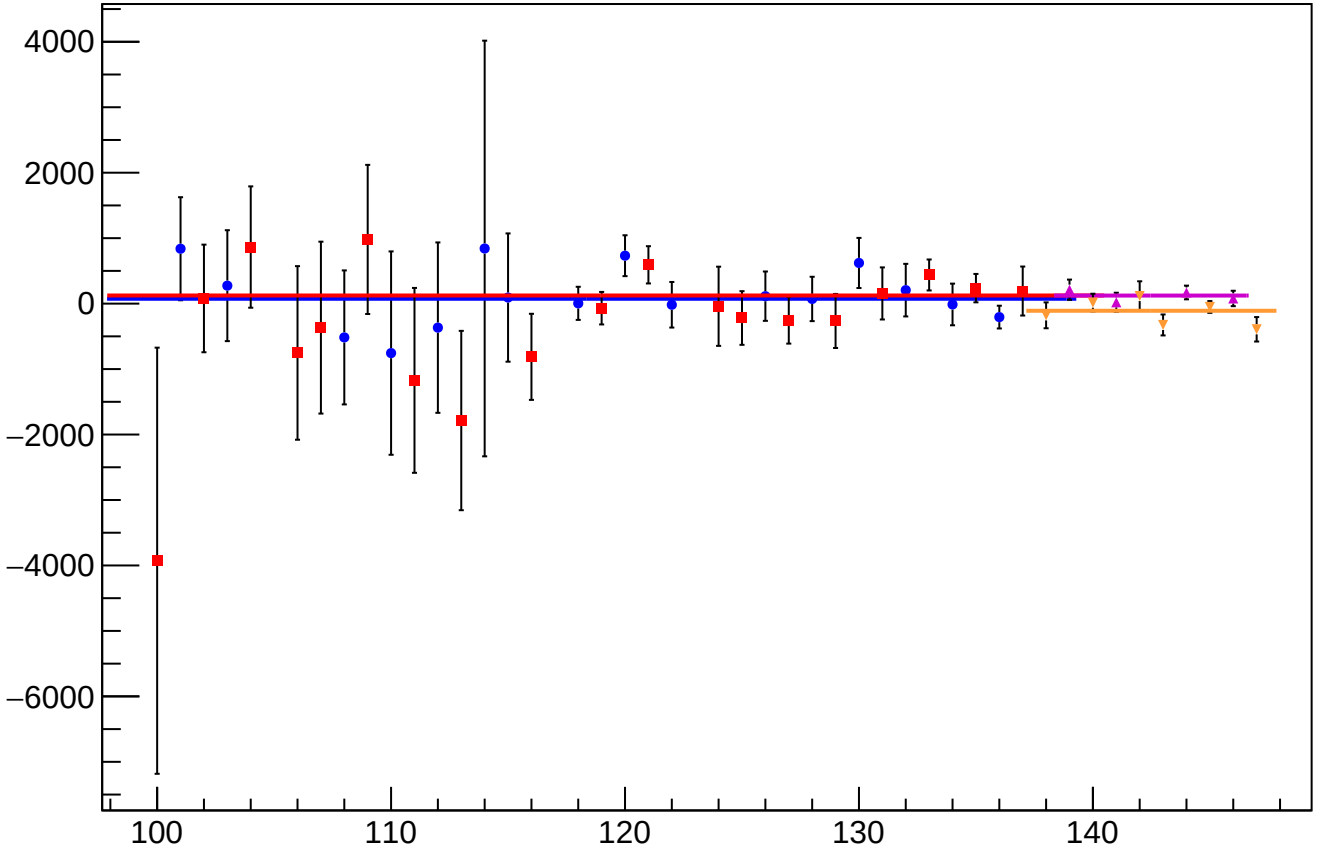
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 52.250+/-0.012 χ^2/NDF:2065040.3/19

Out: 52.043+/-0.011 χ^2/NDF:2598876.2/24

All: 52.141+/-0.008 χ^2/NDF: 4664075.3/44

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: -109.262+/-58.692 χ^2/NDF:6.5/5

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 123.194+/-62.963 χ^2/NDF:1.2/3

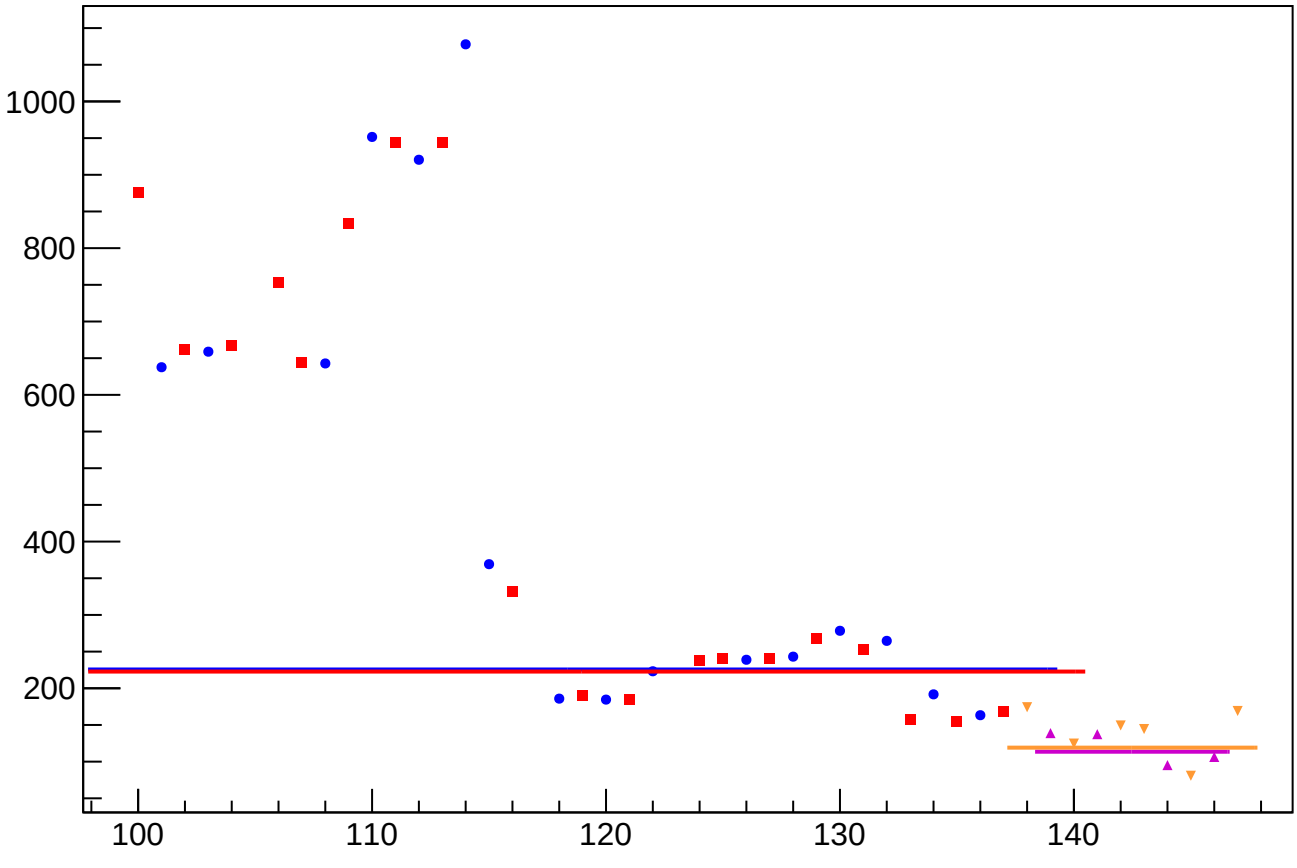
Left: -1.185+/-42.932 χ^2/NDF: 15.0/9

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 108.159+/-52.396 χ^2/NDF:12.6/19

Out: -44.439+/-49.882 χ^2/NDF:27.2/24

All: 28.111+/-36.128 χ^2/NDF: 44.2/44



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 119.081+/-0.042 χ^2/NDF:750421.3/5

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 113.534+/-0.045 χ^2/NDF:175507.7/3

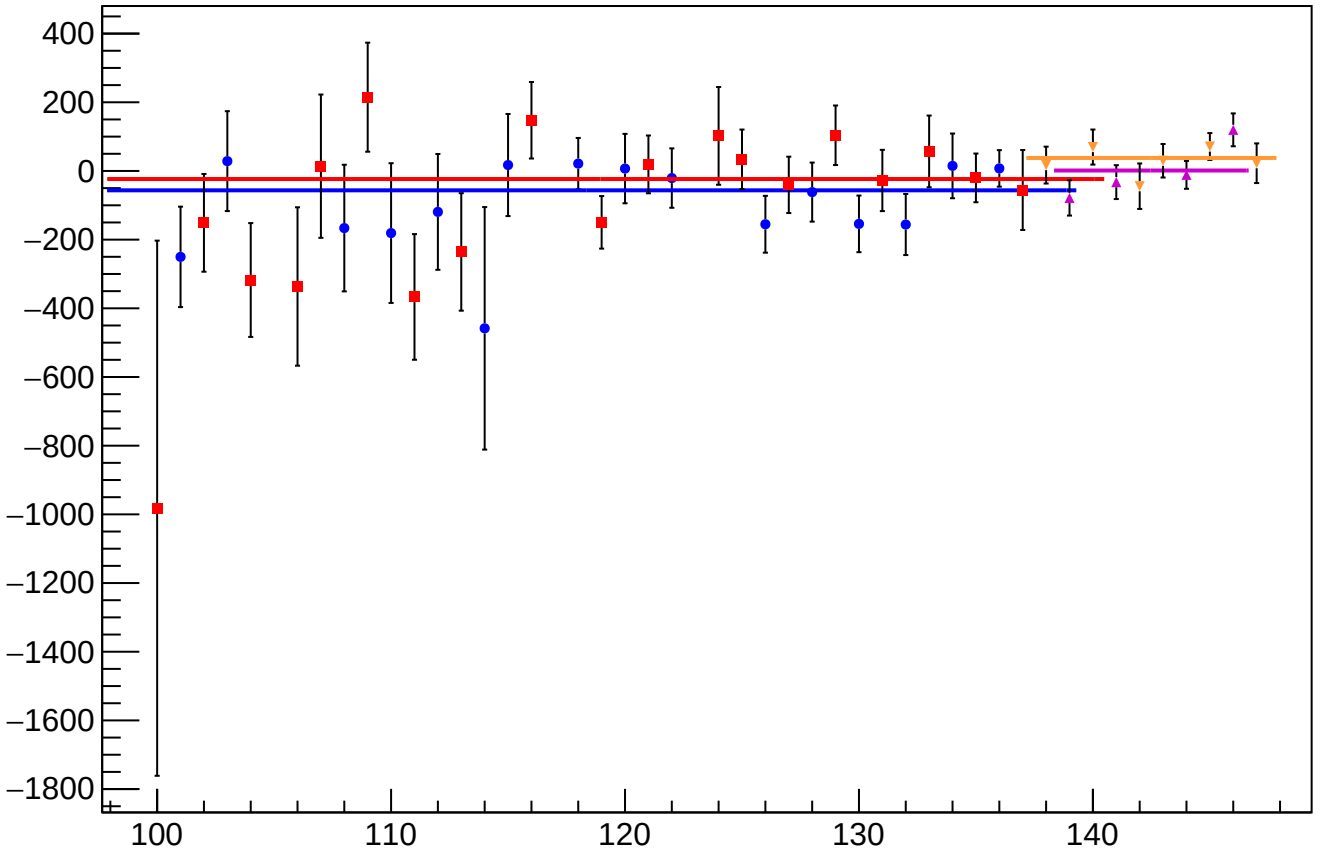
Left: 116.502+/-0.030 χ^2/NDF: 934233.2/9

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 147.996+/-0.037 χ^2/NDF:5150136.1/19

Out: 147.876+/-0.035 χ^2/NDF:6332344.4/24

All: 147.933+/-0.026 χ^2/NDF: 11482486.0/44



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 37.875+/-20.703 χ^2/NDF:2.9/5

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 1.308+/-23.367 χ^2/NDF:9.1/3

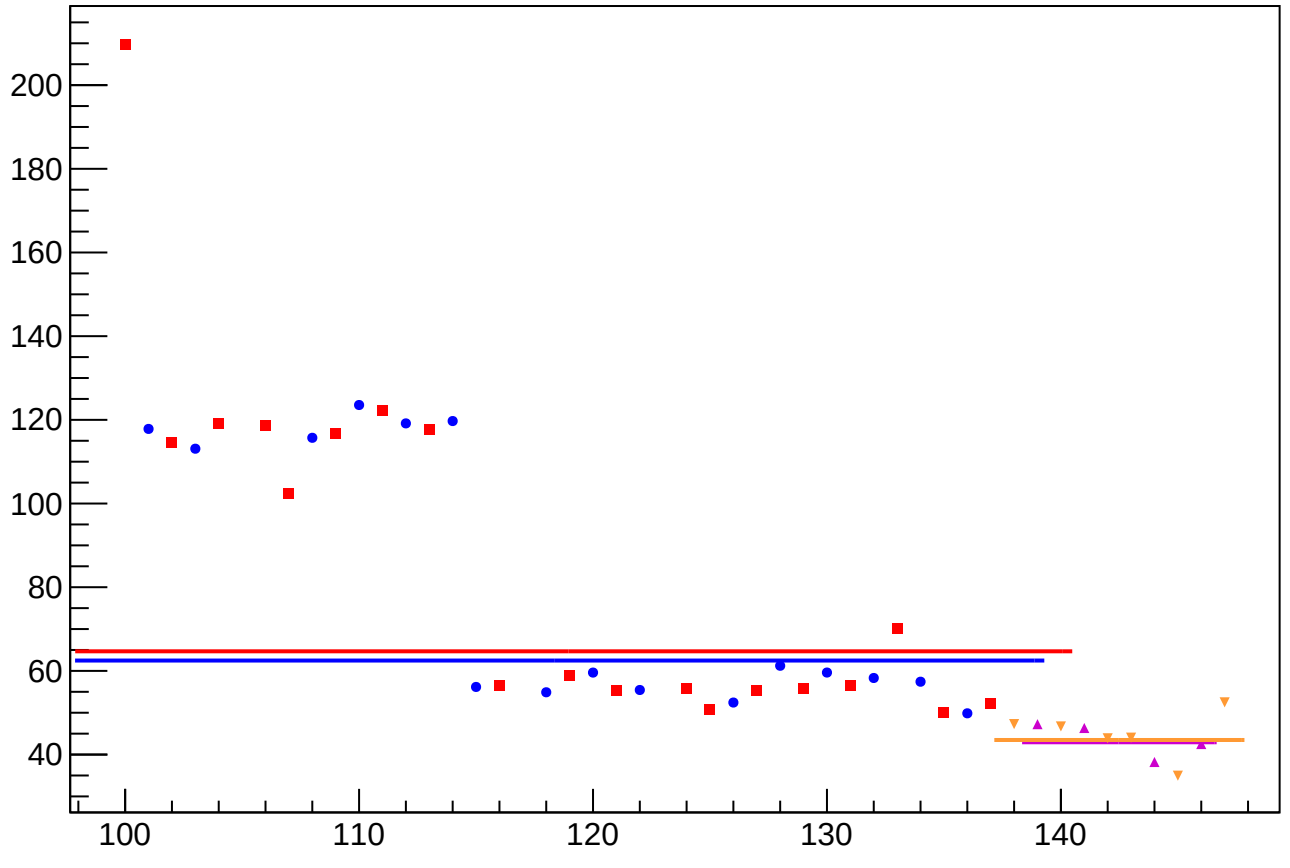
Left: 21.794+/-15.496 χ^2/NDF: 13.4/9

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -26.201+/-16.906 χ^2/NDF:24.3/19

Out: 13.097+/-15.987 χ^2/NDF:30.5/24

All: -5.455+/-11.616 χ^2/NDF: 57.7/44



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 43.486+/-0.015 χ^2/NDF:162230.4/5

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.941+/-0.017 χ^2/NDF:50798.7/3

Left: 43.247+/-0.011 χ^2/NDF: 213638.5/9

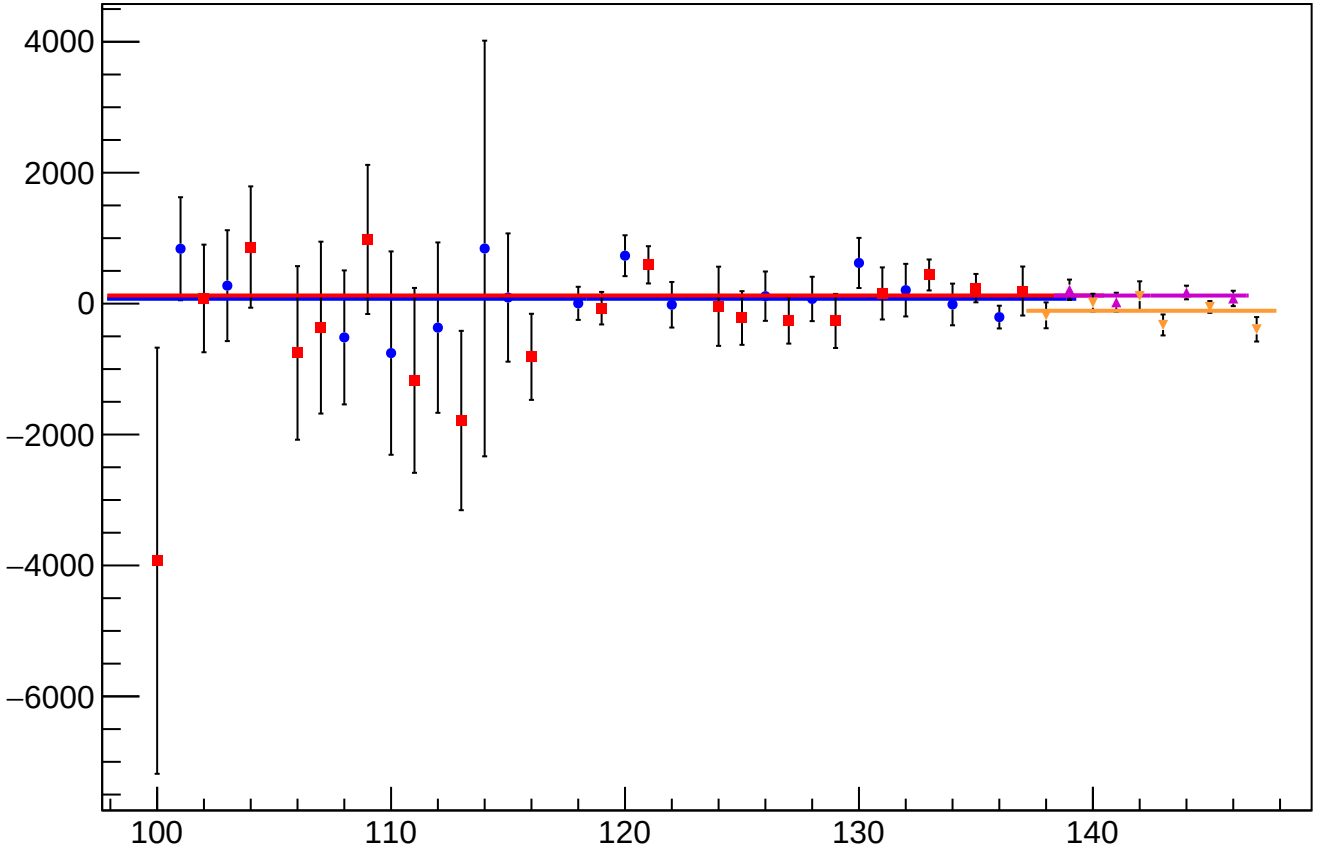
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 52.250+/-0.012 χ^2/NDF:2064988.8/19

Out: 52.043+/-0.011 χ^2/NDF:2598833.8/24

All: 52.141+/-0.008 χ^2/NDF: 4663981.2/44

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: -109.262+/-58.692 χ^2/NDF:6.5/5

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 123.194+/-62.963 χ^2/NDF:1.2/3

Left: -1.185+/-42.932 χ^2/NDF: 15.0/9

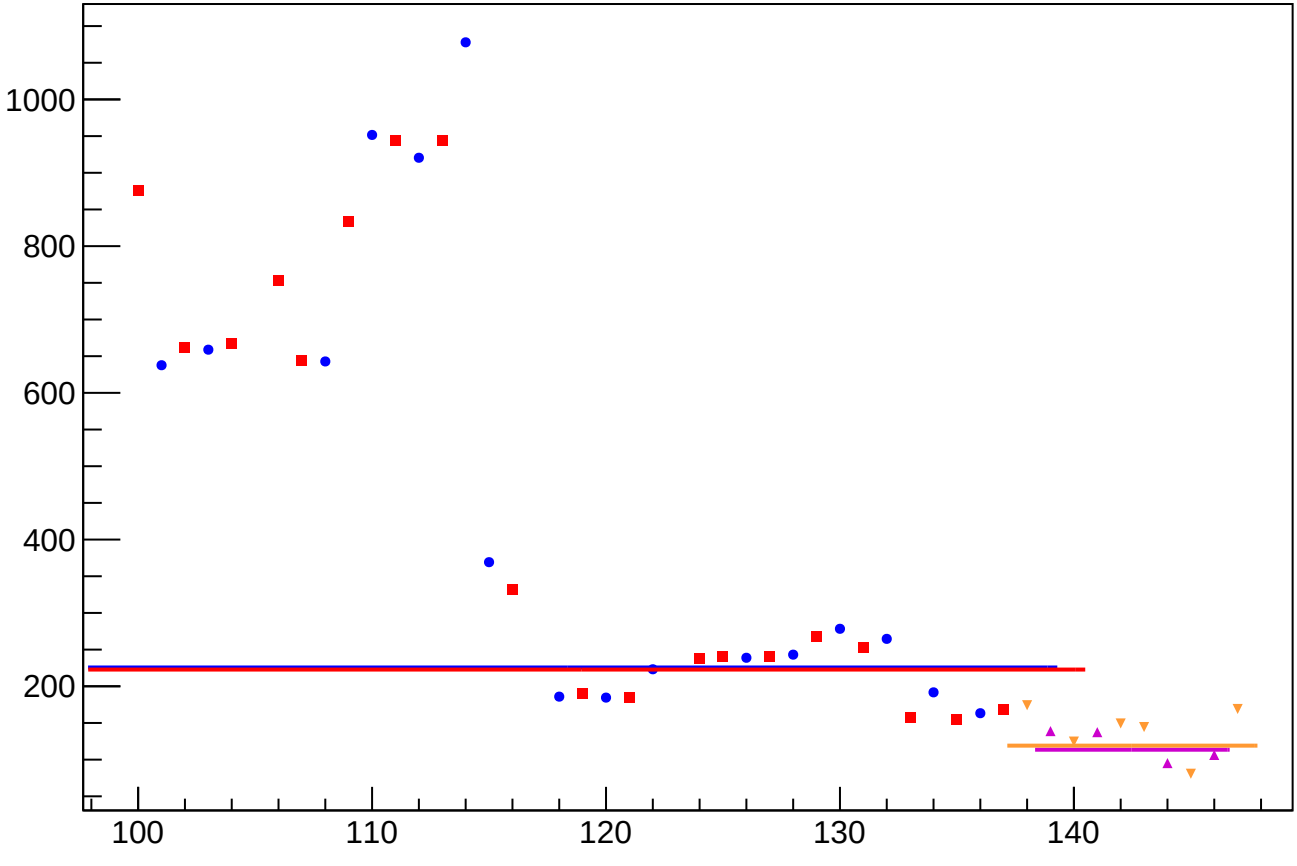
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 108.159+/-52.397 χ^2/NDF:12.6/19

Out: -44.439+/-49.883 χ^2/NDF:27.2/24

All: 28.112+/-36.128 χ^2/NDF: 44.2/44

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: 119.081+/-0.042 χ^2/NDF:750430.2/5

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 113.535+/-0.045 χ^2/NDF:175512.9/3

Left: 116.502+/-0.030 χ^2/NDF: 934248.2/9

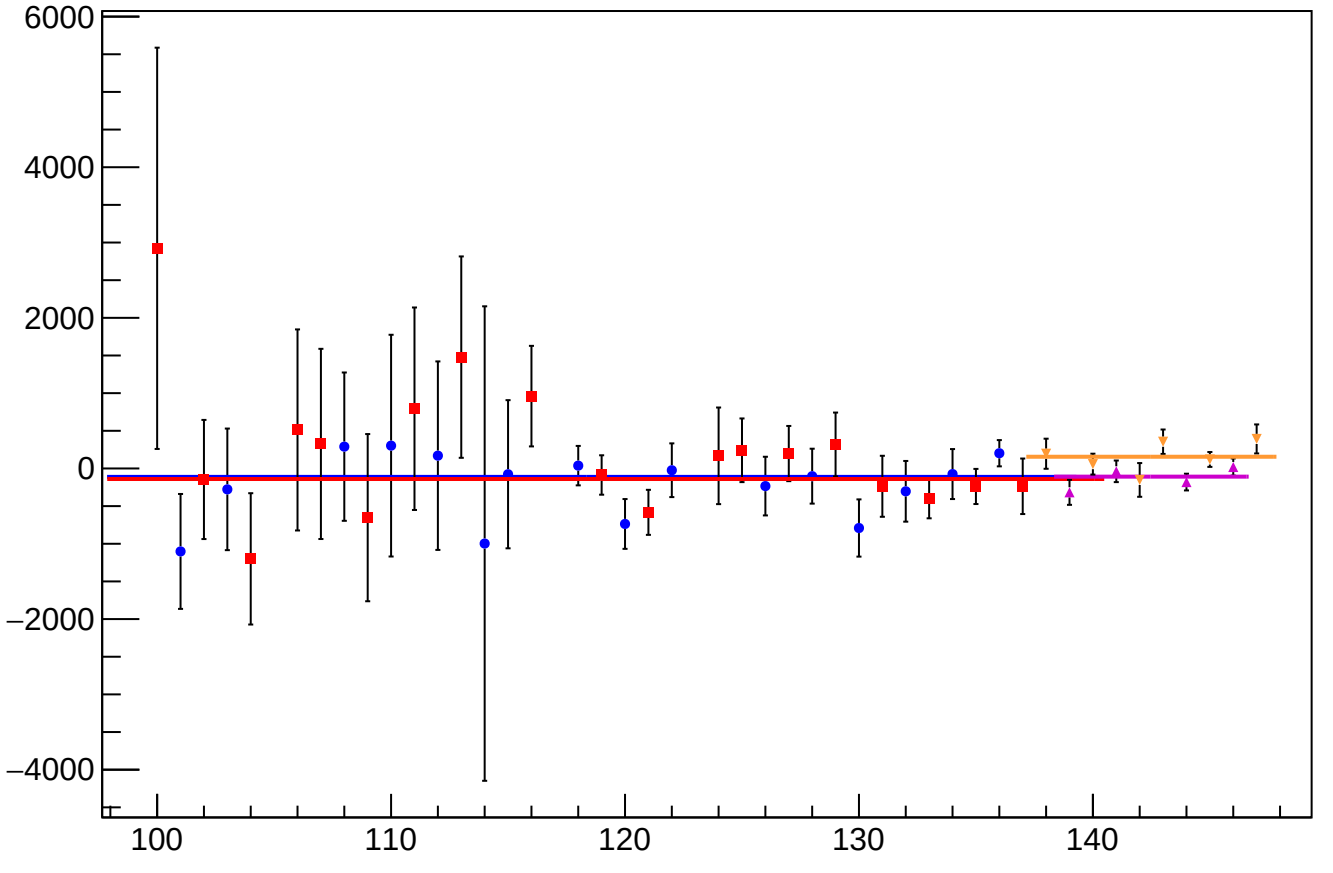
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 147.997+/-0.037 χ^2/NDF:5150120.9/19

Out: 147.876+/-0.035 χ^2/NDF:6332326.7/24

All: 147.933+/-0.026 χ^2/NDF: 11482453.2/44

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 155.583+/-61.449 χ^2/NDF:5.6/5

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -108.669+/-64.135 χ^2/NDF:3.5/3

Left: 29.105+/-44.370 χ^2/NDF: 17.9/9

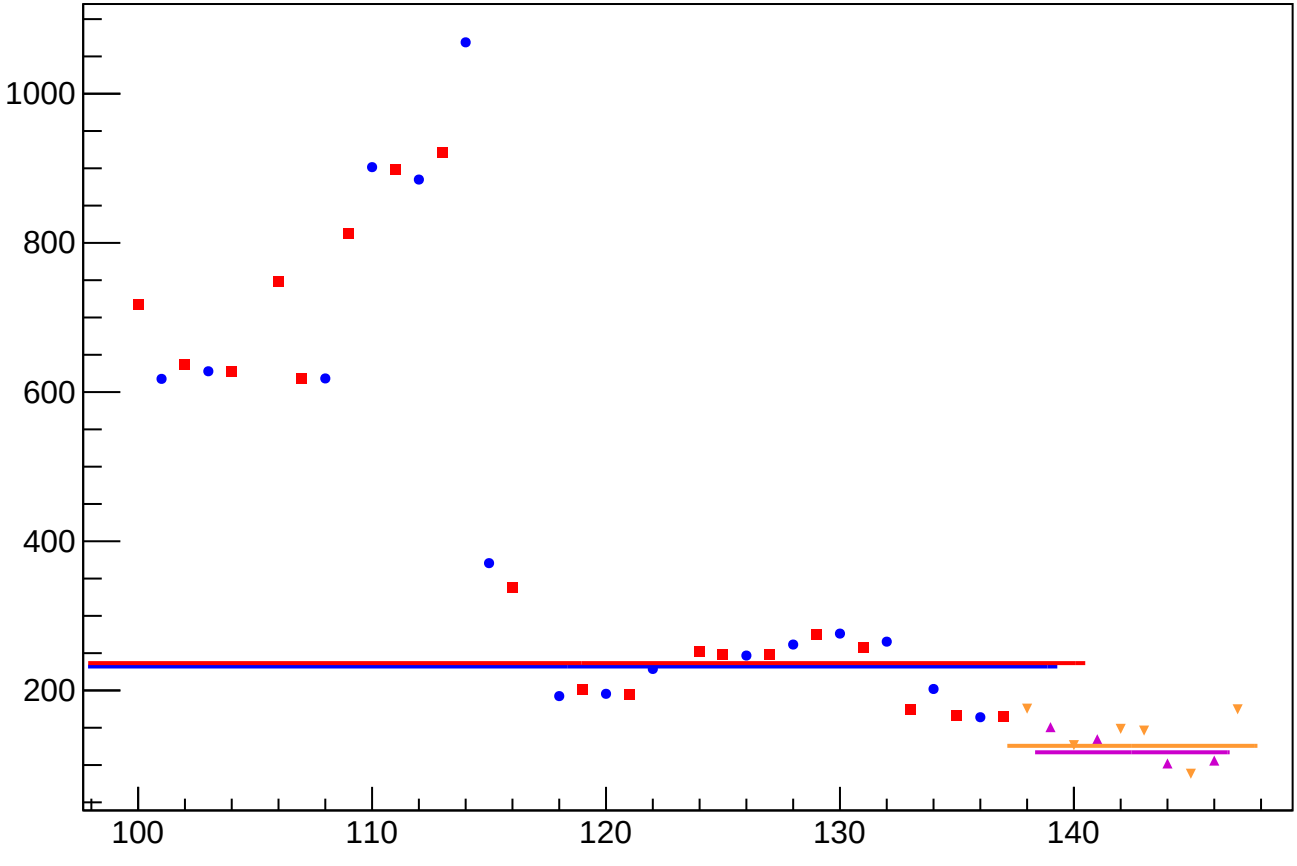
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -109.663+/-53.423 χ^2/NDF:16.3/19

Out: 73.592+/-52.235 χ^2/NDF:26.6/24

All: -15.976+/-37.349 χ^2/NDF: 49.0/44

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 125.756+/-0.043 χ^2/NDF:593202.4/5

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 117.088+/-0.045 χ^2/NDF:167197.9/3

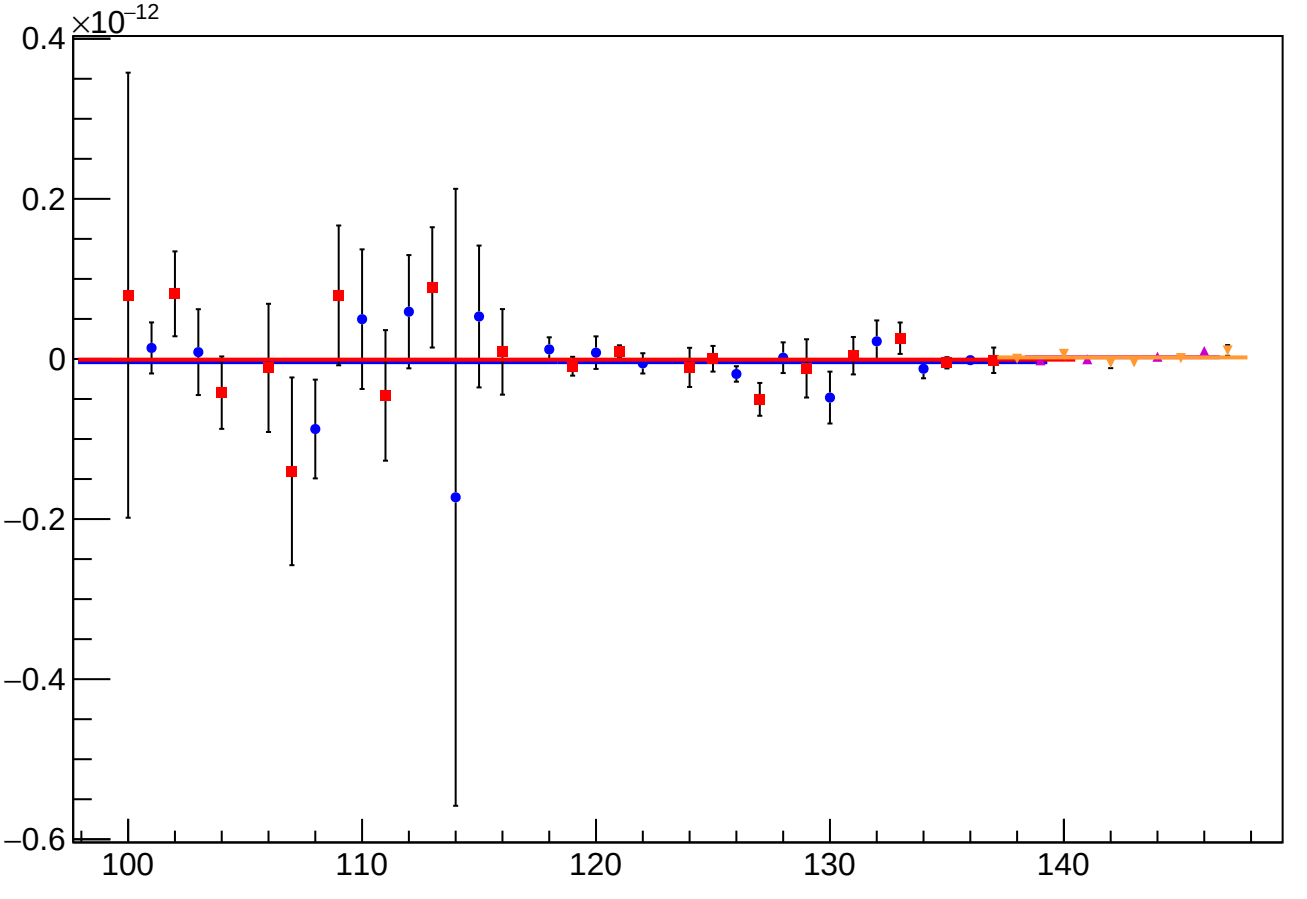
Left: 121.608+/-0.031 χ^2/NDF: 779446.1/9

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 152.302+/-0.038 χ^2/NDF:5022028.7/19

Out: 156.519+/-0.037 χ^2/NDF:5921054.8/24

All: 154.458+/-0.026 χ^2/NDF: 10949454.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/3

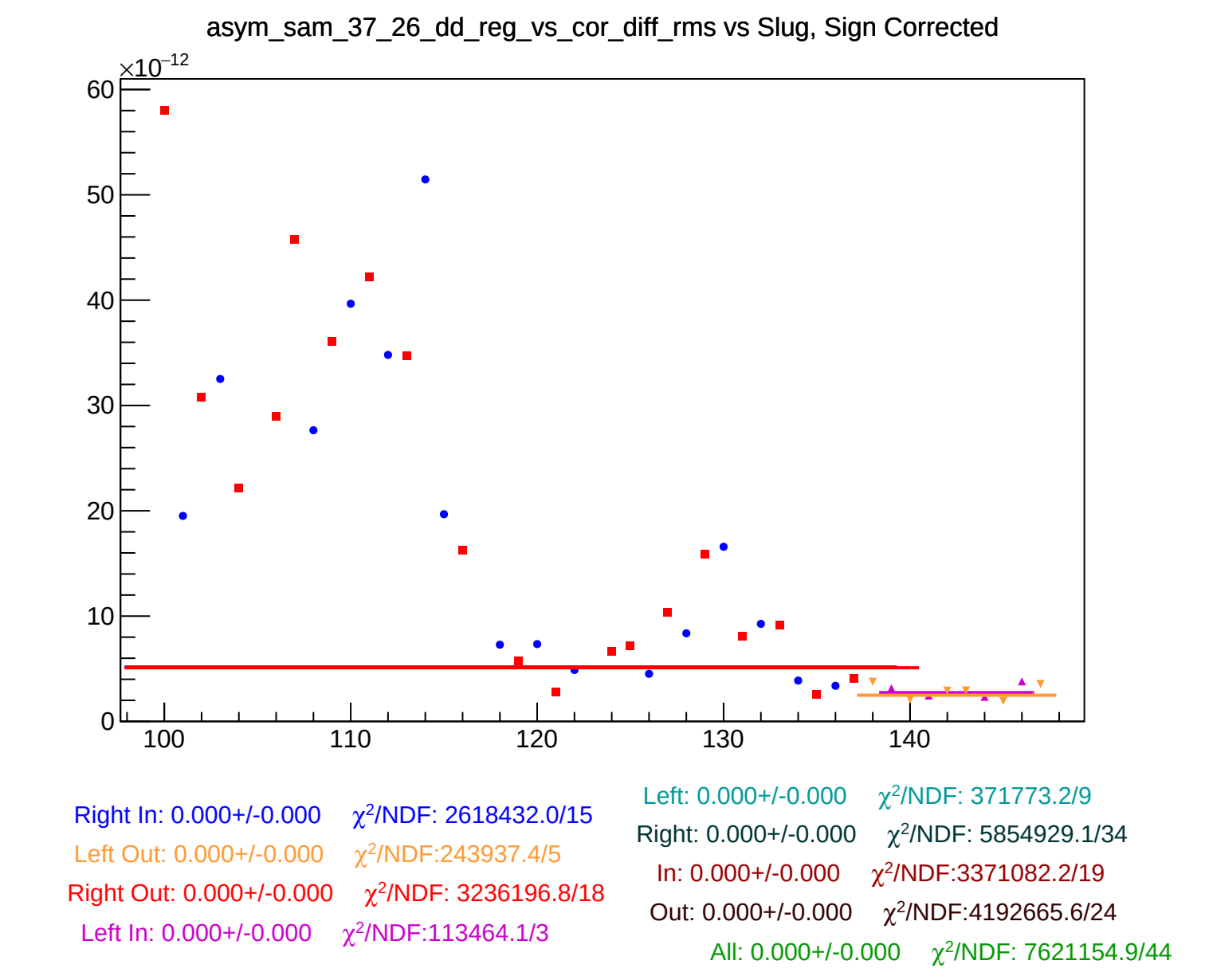
Left: 0.000+/-0.000 χ^2/NDF: 8.6/9

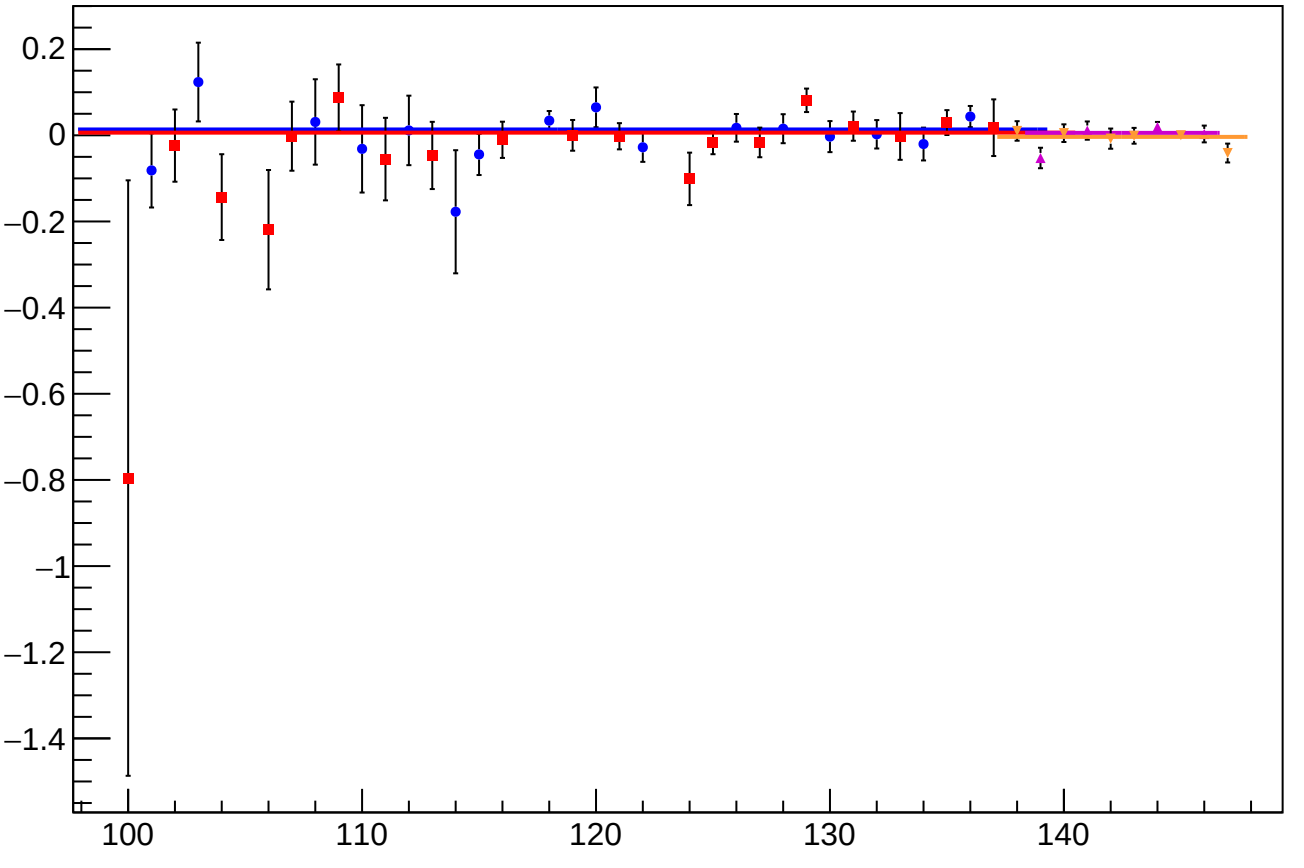
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:16.1/19

Out: 0.000+/-0.000 χ^2/NDF:24.5/24

All: 0.000+/-0.000 χ^2/NDF: 40.7/44


asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:243937.4/5
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:113464.1/3
Left: 0.000+/-0.000 χ²/NDF: 371773.2/9
Right: 0.000+/-0.000 χ²/NDF: 5854929.1/34
In: 0.000+/-0.000 χ²/NDF:3371082.2/19
Out: 0.000+/-0.000 χ²/NDF:4192665.6/24
All: 0.000+/-0.000 χ²/NDF: 7621154.9/44



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/3

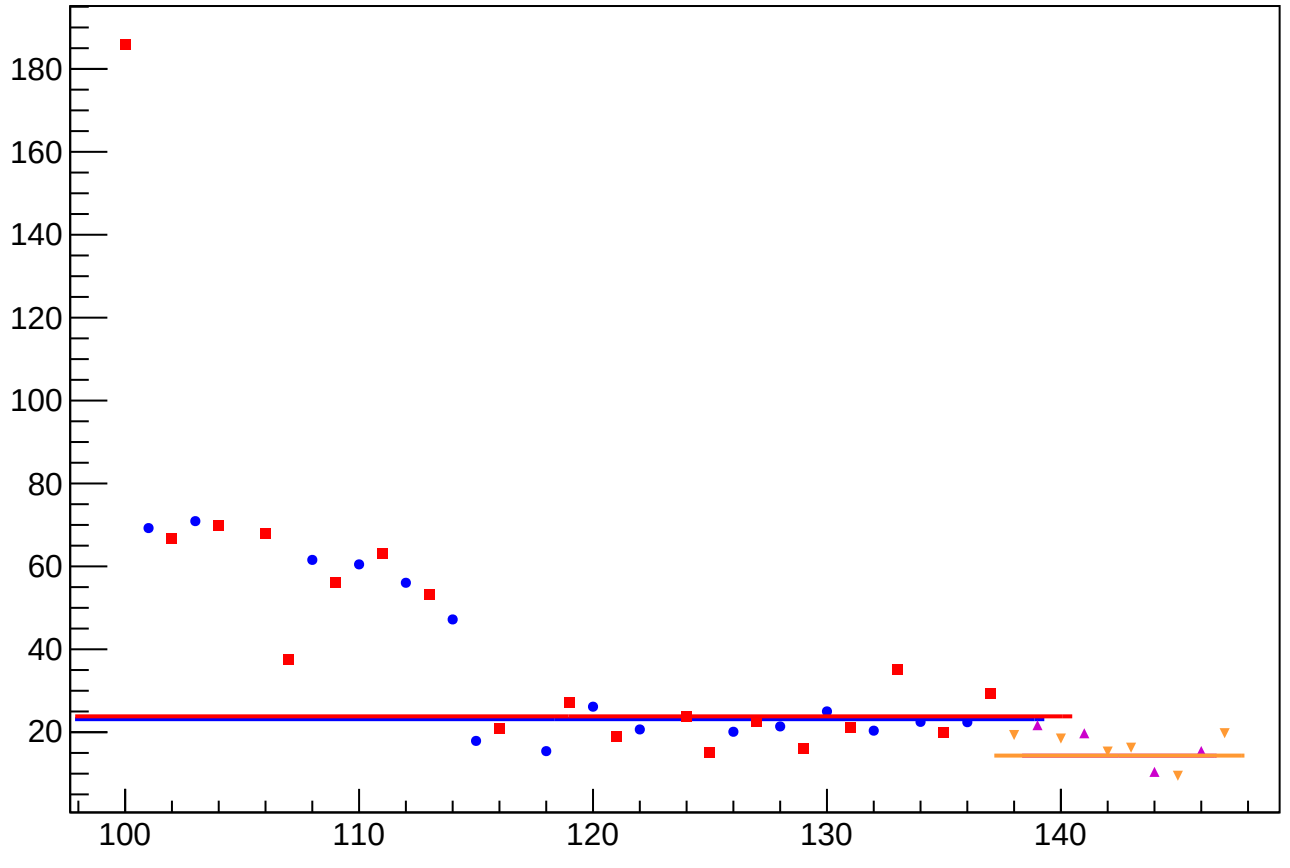
Left: 0.000+/-0.006 χ^2/NDF: 11.8/9

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.009+/-0.006 χ^2/NDF:20.1/19

Out: -0.000+/-0.006 χ^2/NDF:25.7/24

All: 0.004+/-0.004 χ^2/NDF: 47.0/44



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.360+/-0.005 χ^2/NDF:693379.7/5

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.335+/-0.006 χ^2/NDF:547791.3/3

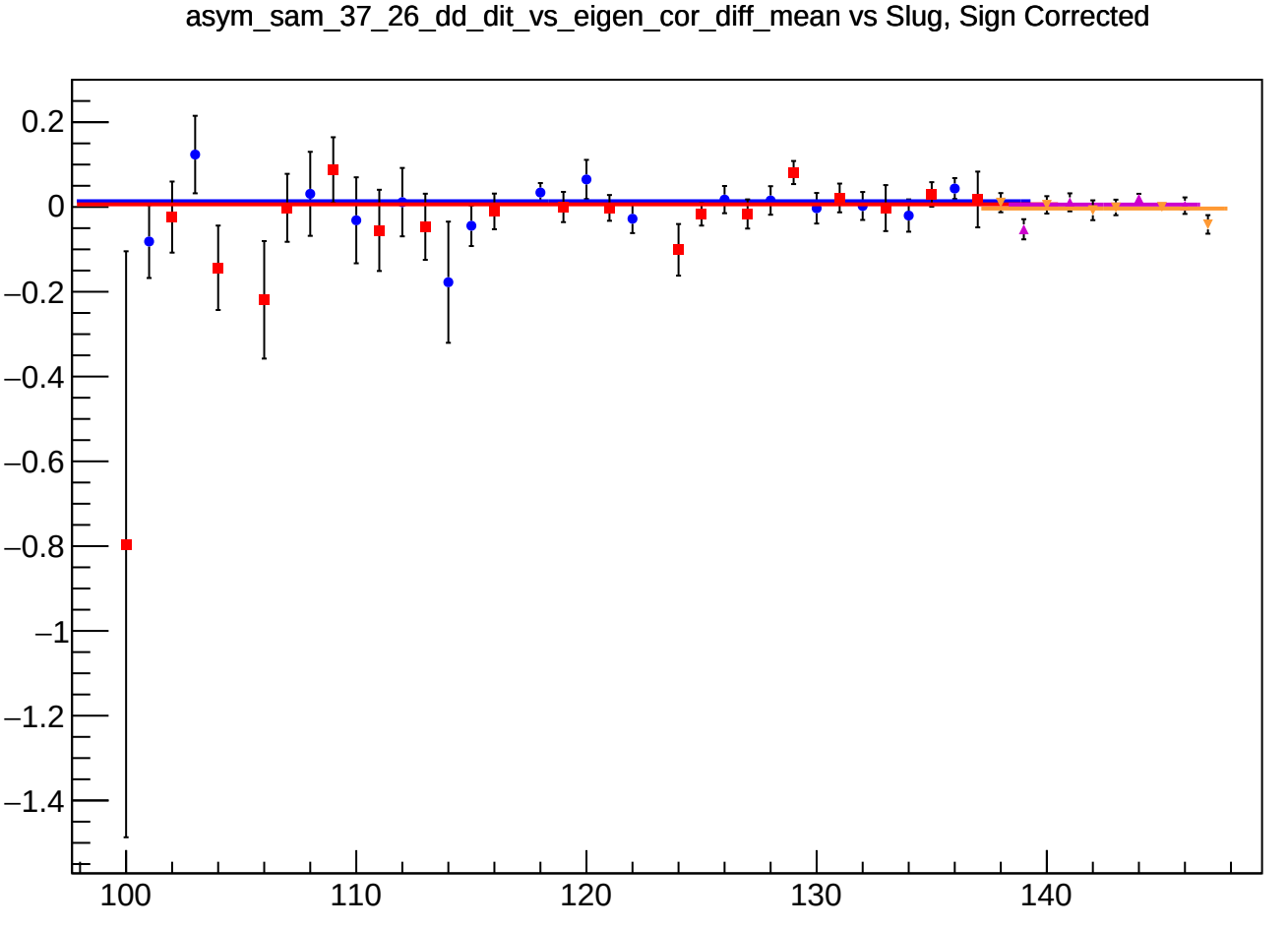
Left: 14.349+/-0.004 χ^2/NDF: 1241180.8/9

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.100+/-0.005 χ^2/NDF:3871143.9/19

Out: 17.591+/-0.004 χ^2/NDF:4756634.9/24

All: 17.822+/-0.003 χ^2/NDF: 8634595.5/44



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/3

Left: 0.000+/-0.006 χ^2/NDF: 11.8/9

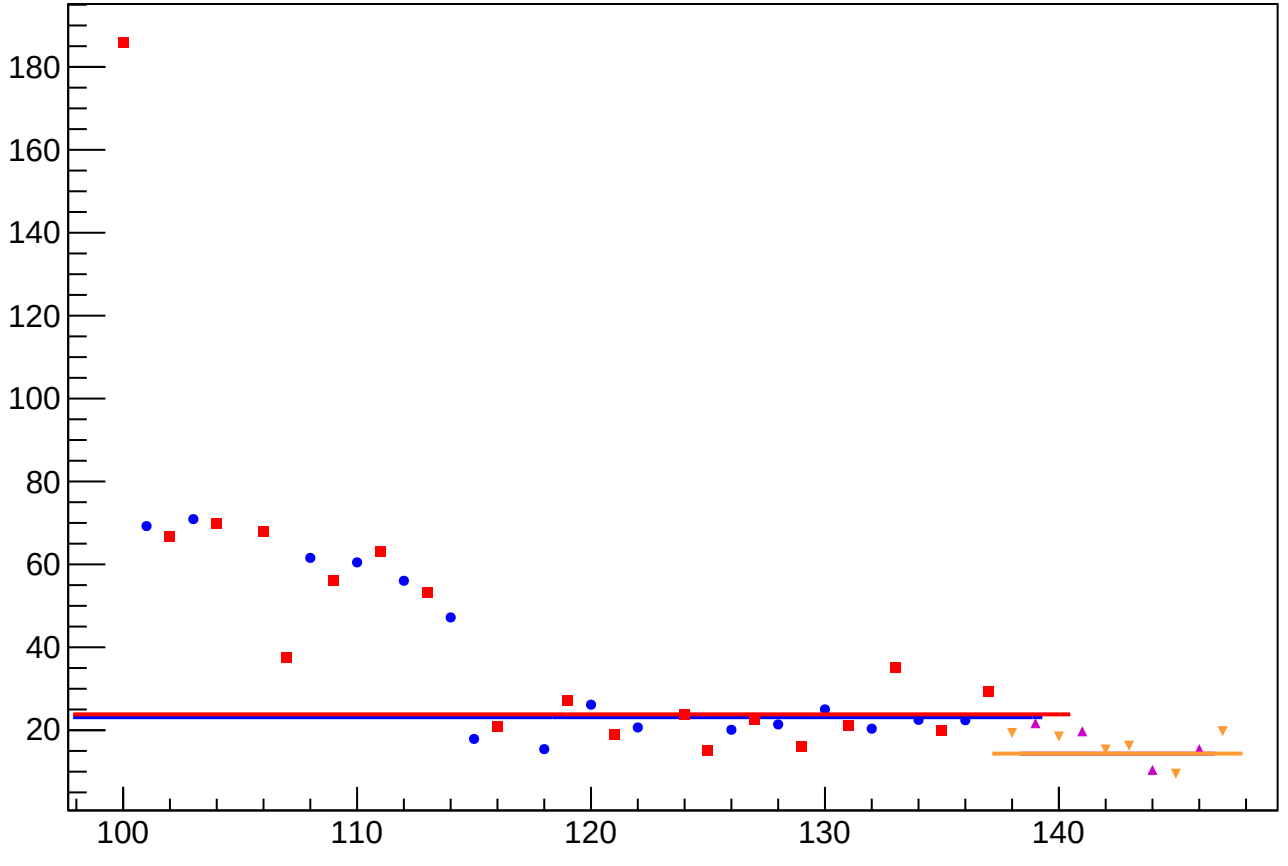
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.009+/-0.006 χ^2/NDF:20.1/19

Out: -0.000+/-0.006 χ^2/NDF:25.7/24

All: 0.004+/-0.004 χ^2/NDF: 47.0/44

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.360+/-0.005 χ^2/NDF:693379.7/5

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.335+/-0.006 χ^2/NDF:547791.3/3

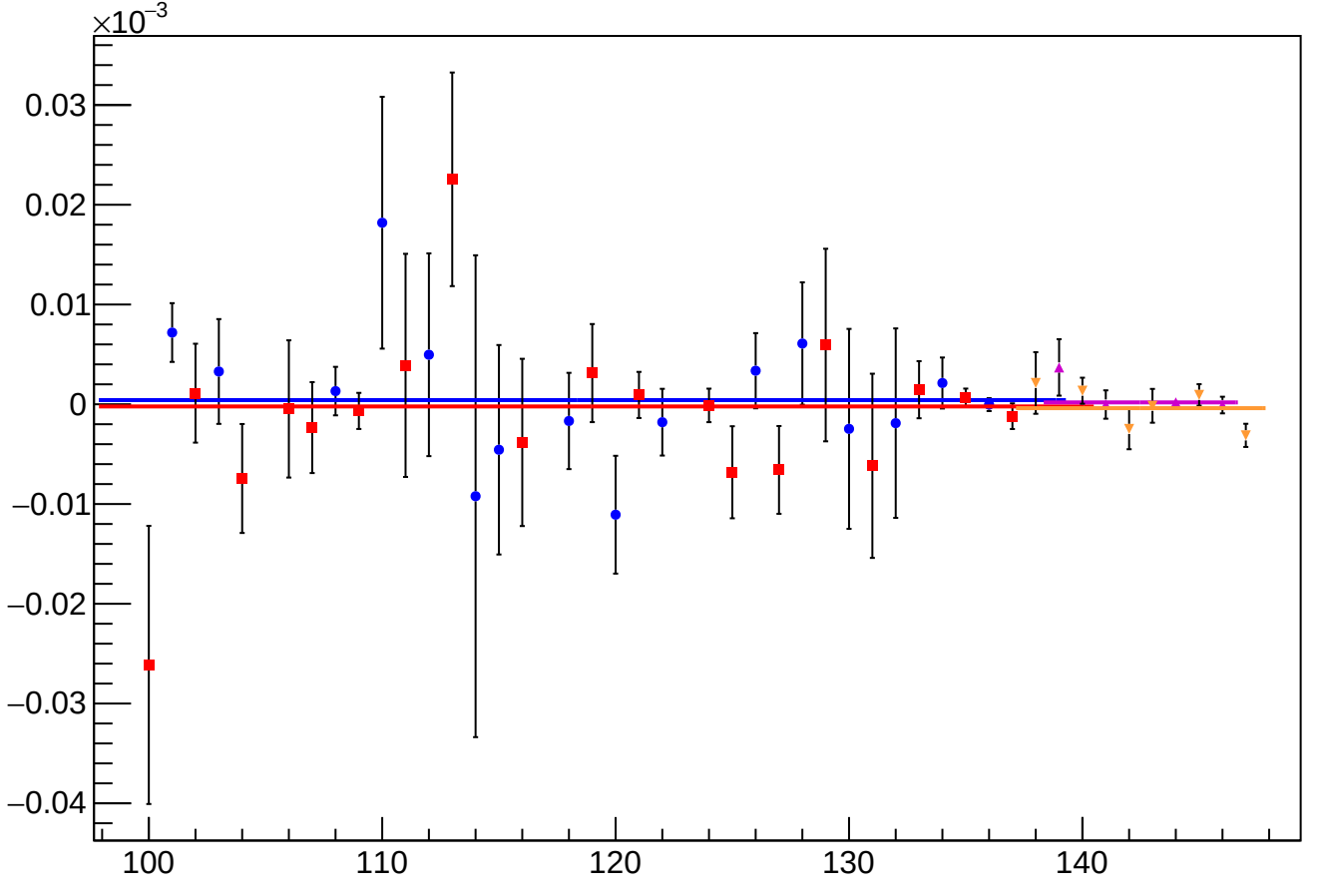
Left: 14.349+/-0.004 χ^2/NDF: 1241180.8/9

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.100+/-0.005 χ^2/NDF:3871143.9/19

Out: 17.591+/-0.004 χ^2/NDF:4756634.9/24

All: 17.822+/-0.003 χ^2/NDF: 8634595.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/3

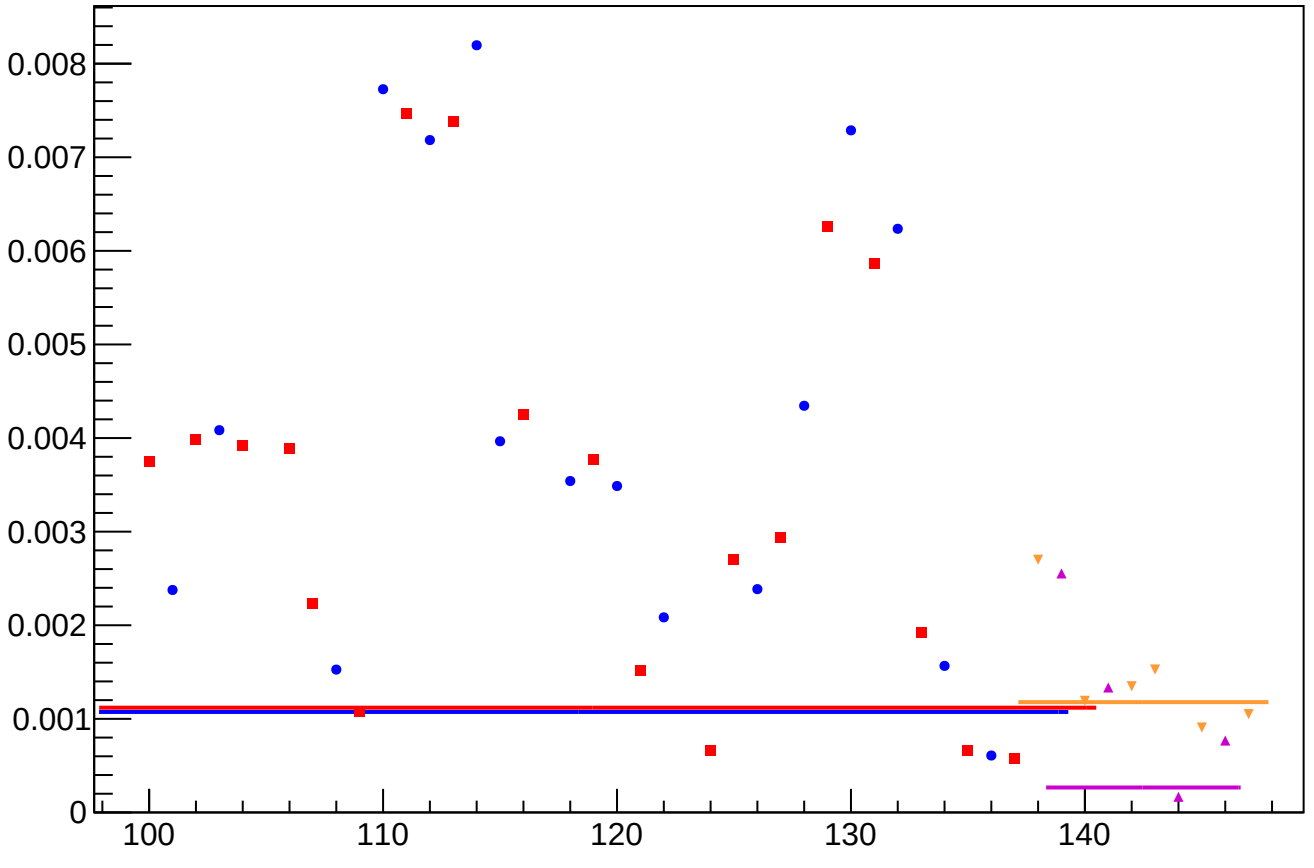
Left: 0.000+/-0.000 χ^2/NDF: 13.1/9

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:17.1/19

Out: -0.000+/-0.000 χ^2/NDF:28.5/24

All: 0.000+/-0.000 χ^2/NDF: 46.8/44



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:736299.7/5

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3467659.7/3

Left: 0.000+/-0.000 χ^2/NDF: 8333256.6/9

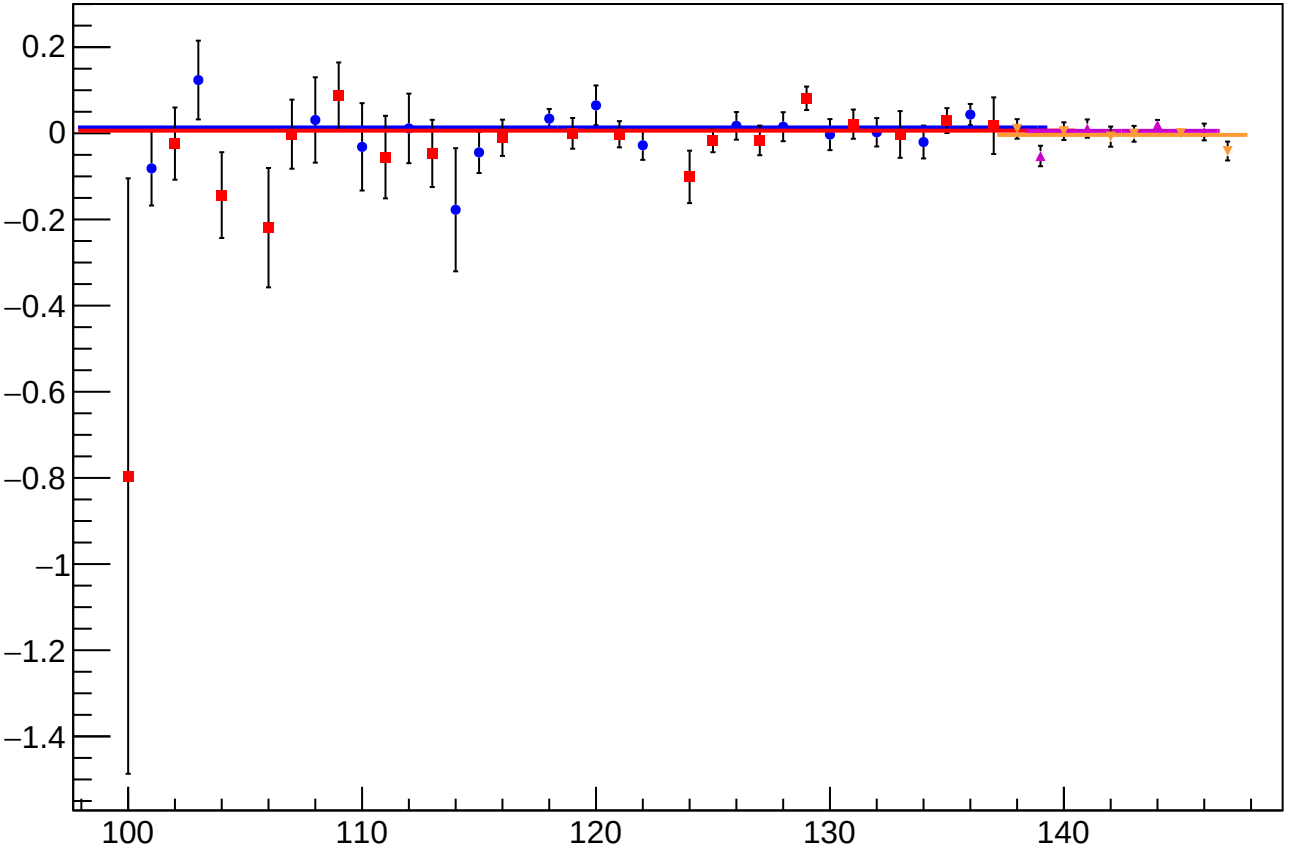
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:14016064.2/19

Out: 0.001+/-0.000 χ^2/NDF:7543159.5/24

All: 0.001+/-0.000 χ^2/NDF: 26895919.0/44

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.004+/-0.007 χ^2/NDF:3.7/5

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/3

Left: 0.000+/-0.006 χ^2/NDF: 11.8/9

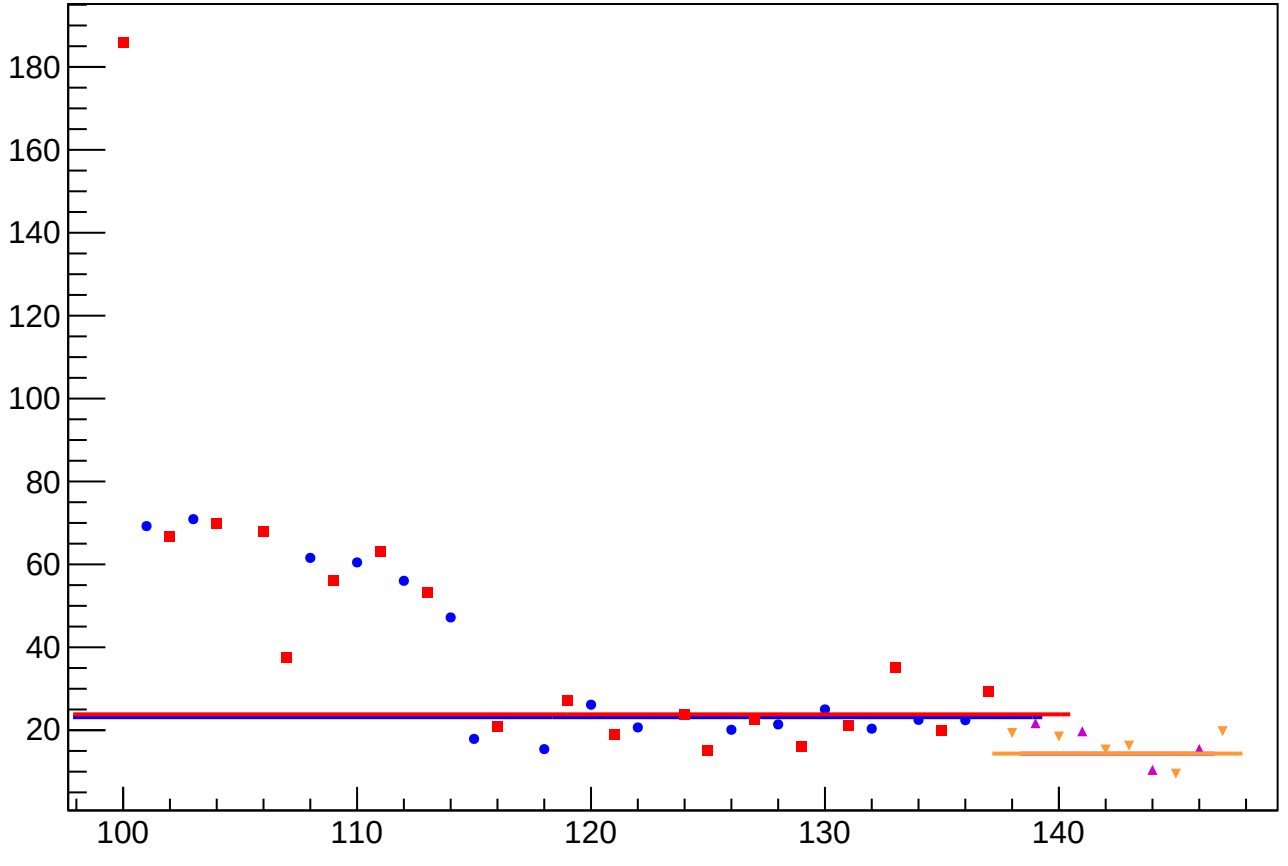
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.009+/-0.006 χ^2/NDF:20.1/19

Out: -0.000+/-0.006 χ^2/NDF:25.7/24

All: 0.004+/-0.004 χ^2/NDF: 47.0/44

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.360+/-0.005 χ^2/NDF:693465.1/5

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.335+/-0.006 χ^2/NDF:547769.8/3

Left: 14.349+/-0.004 χ^2/NDF: 1241244.7/9

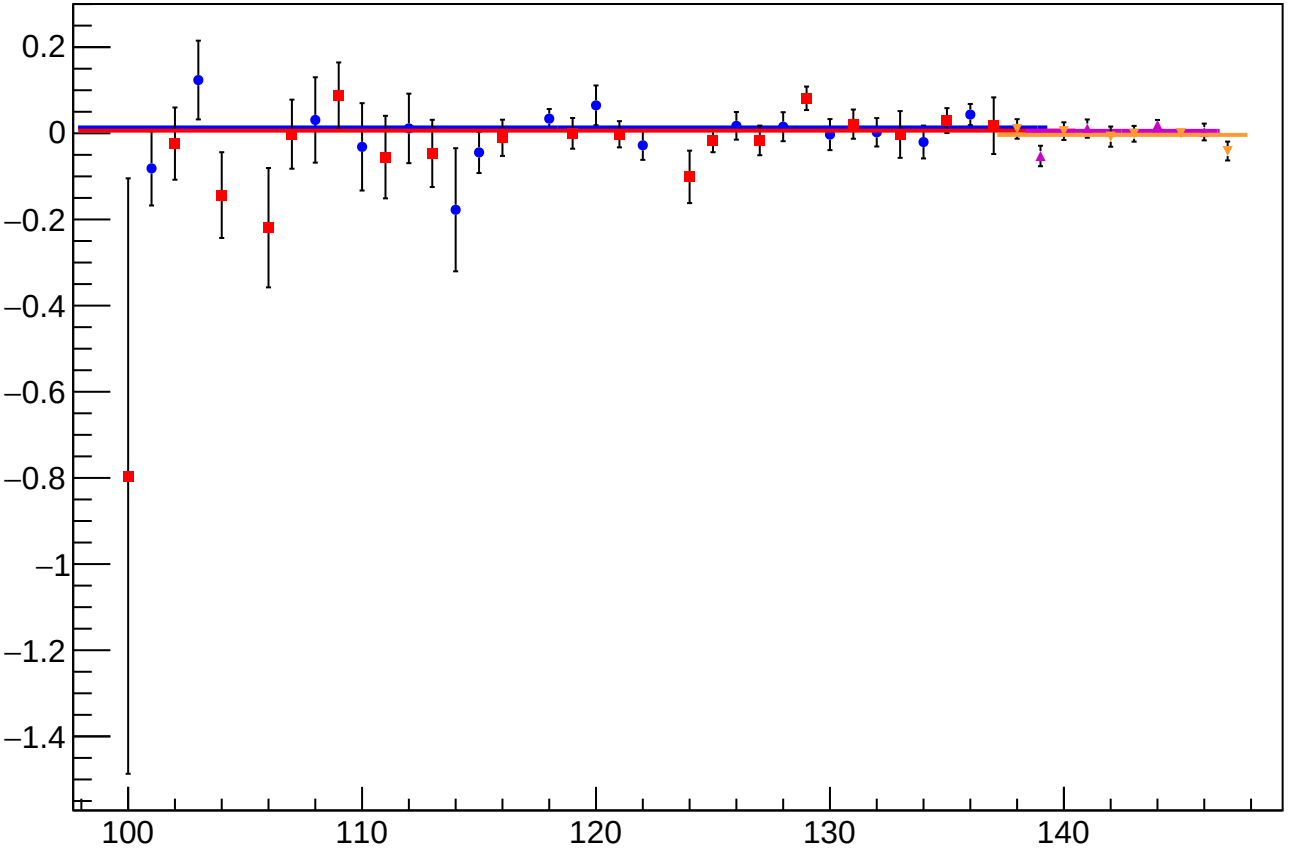
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.100+/-0.005 χ^2/NDF:3870896.2/19

Out: 17.591+/-0.004 χ^2/NDF:4756539.8/24

All: 17.822+/-0.003 χ^2/NDF: 8634247.6/44

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: -0.004+/-0.007 χ^2/NDF:3.7/5

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.006+/-0.009 χ^2/NDF:7.4/3

Left: 0.000+/-0.006 χ^2/NDF: 11.8/9

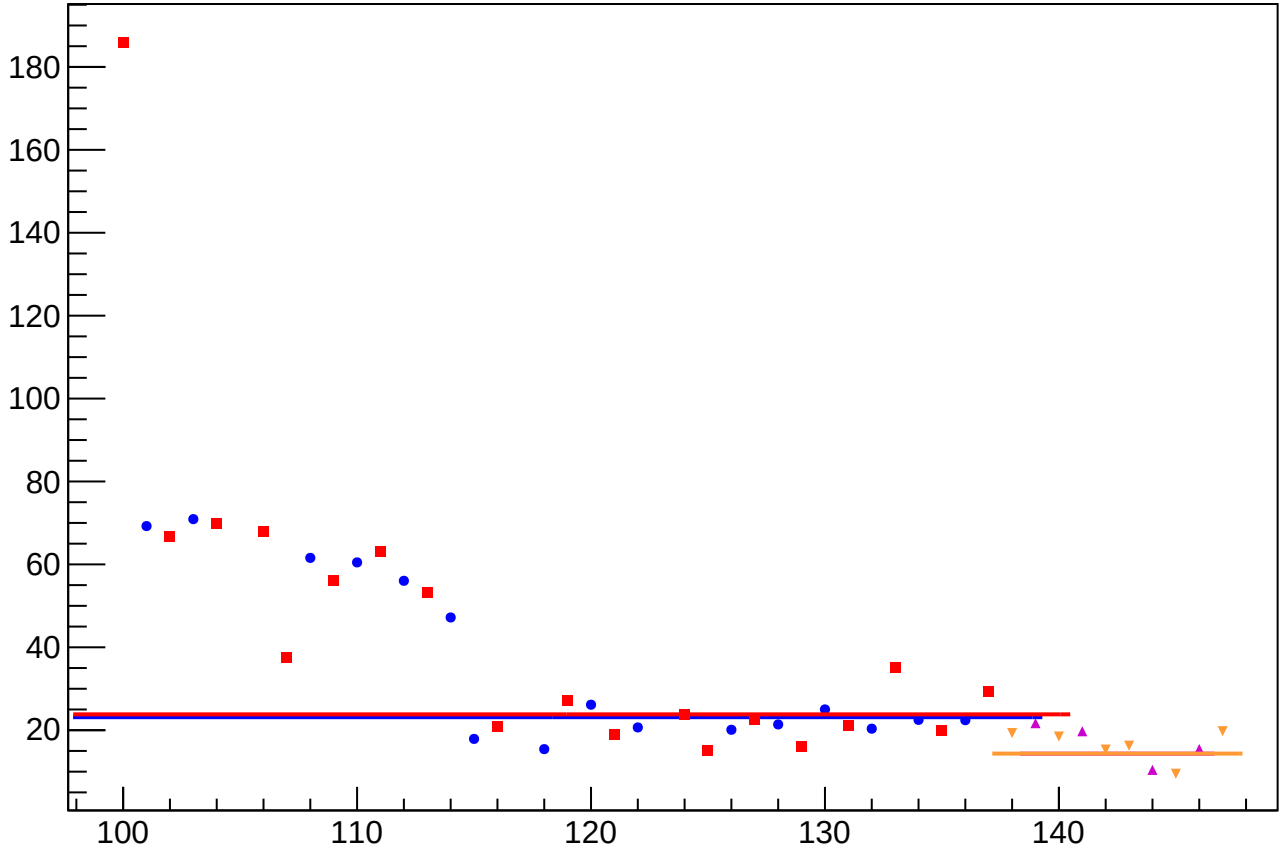
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.009+/-0.006 χ^2/NDF:20.1/19

Out: -0.000+/-0.006 χ^2/NDF:25.7/24

All: 0.004+/-0.004 χ^2/NDF: 47.0/44

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.360+/-0.005 χ^2/NDF:693465.1/5

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.335+/-0.006 χ^2/NDF:547769.8/3

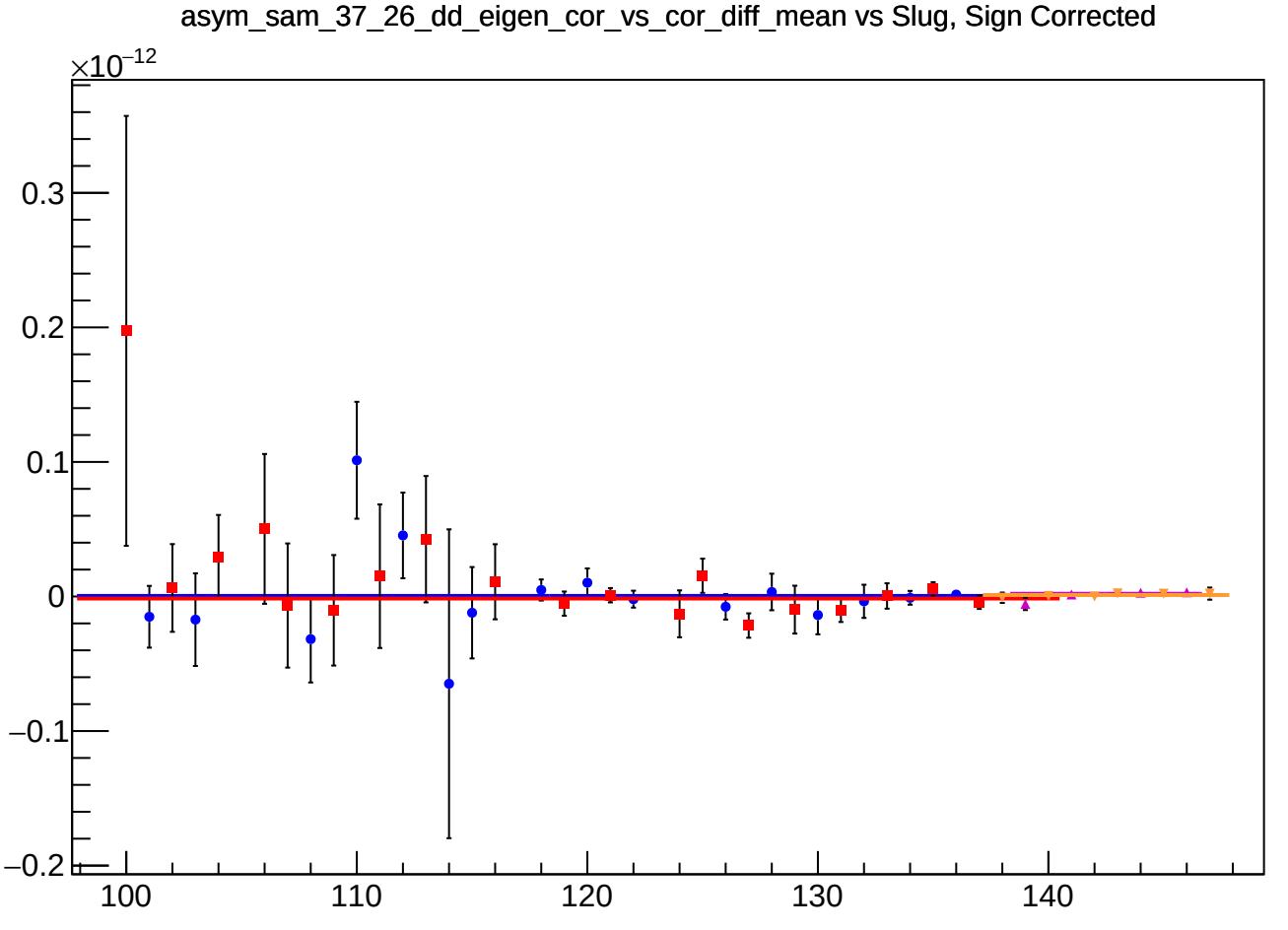
Left: 14.349+/-0.004 χ^2/NDF: 1241244.7/9

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.100+/-0.005 χ^2/NDF:3870896.2/19

Out: 17.591+/-0.004 χ^2/NDF:4756539.8/24

All: 17.822+/-0.003 χ^2/NDF: 8634247.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.0/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/3

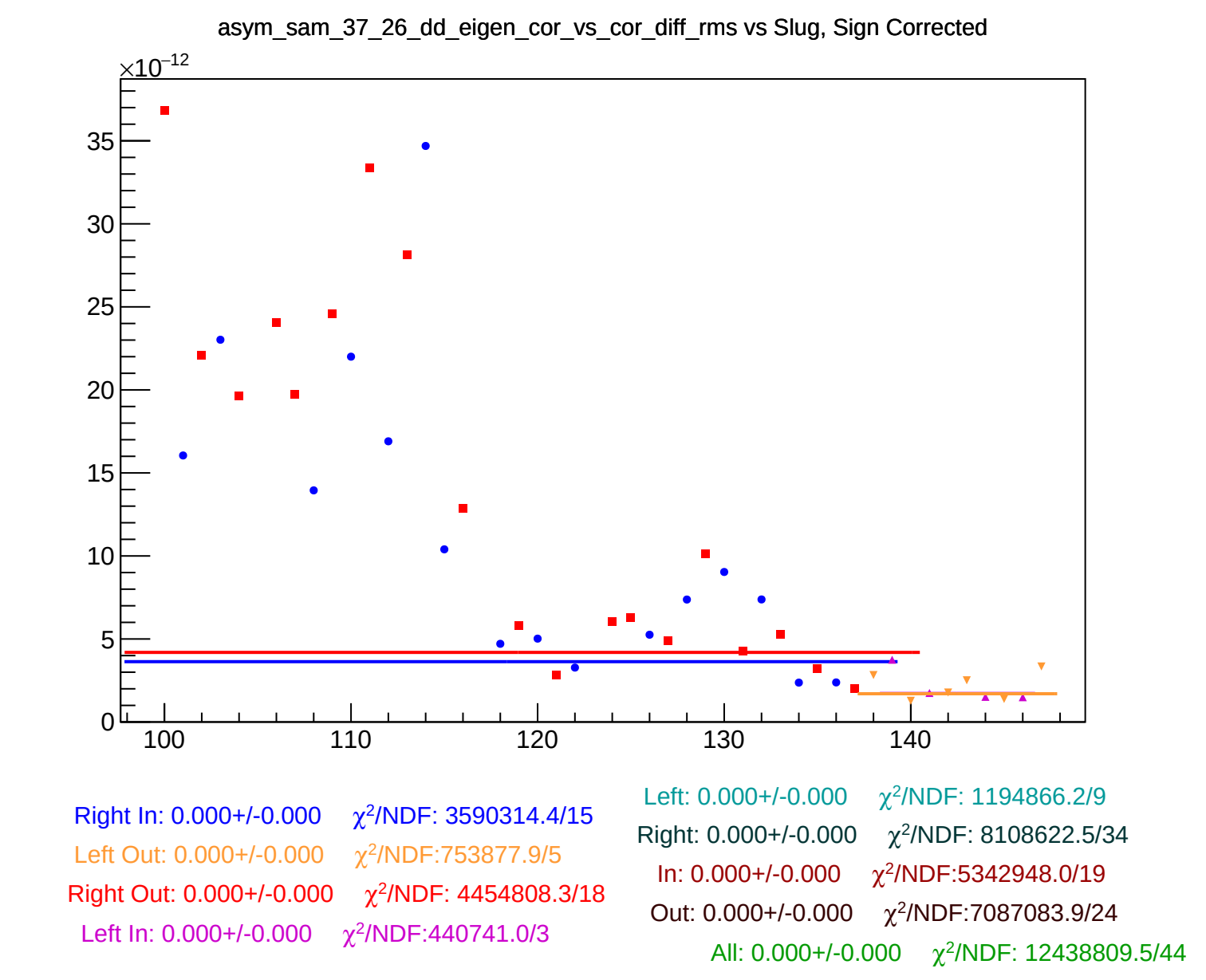
Left: 0.000+/-0.000 χ^2/NDF: 4.6/9

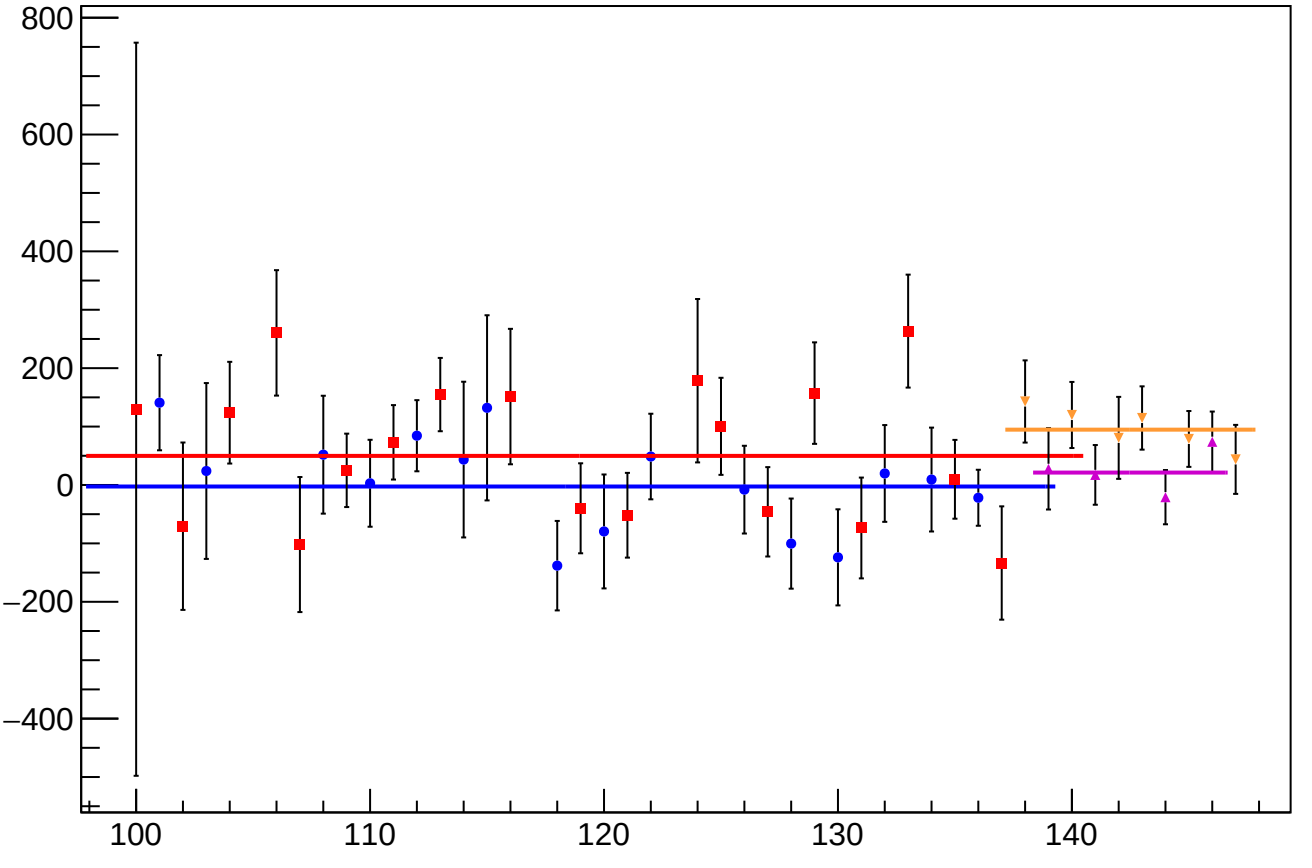
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:16.6/19

Out: 0.000+/-0.000 χ^2/NDF:17.7/24

All: 0.000+/-0.000 χ^2/NDF: 34.7/44


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
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:753877.9/5
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:440741.0/3
Left: 0.000+/-0.000 χ²/NDF: 1194866.2/9
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5342948.0/19
Out: 0.000+/-0.000 χ²/NDF:7087083.9/24
All: 0.000+/-0.000 χ²/NDF: 12438809.5/44



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 94.722+/-23.689 χ^2/NDF:1.7/5

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 21.238+/-26.479 χ^2/NDF:1.9/3

Left: 62.053+/-17.655 χ^2/NDF: 7.9/9

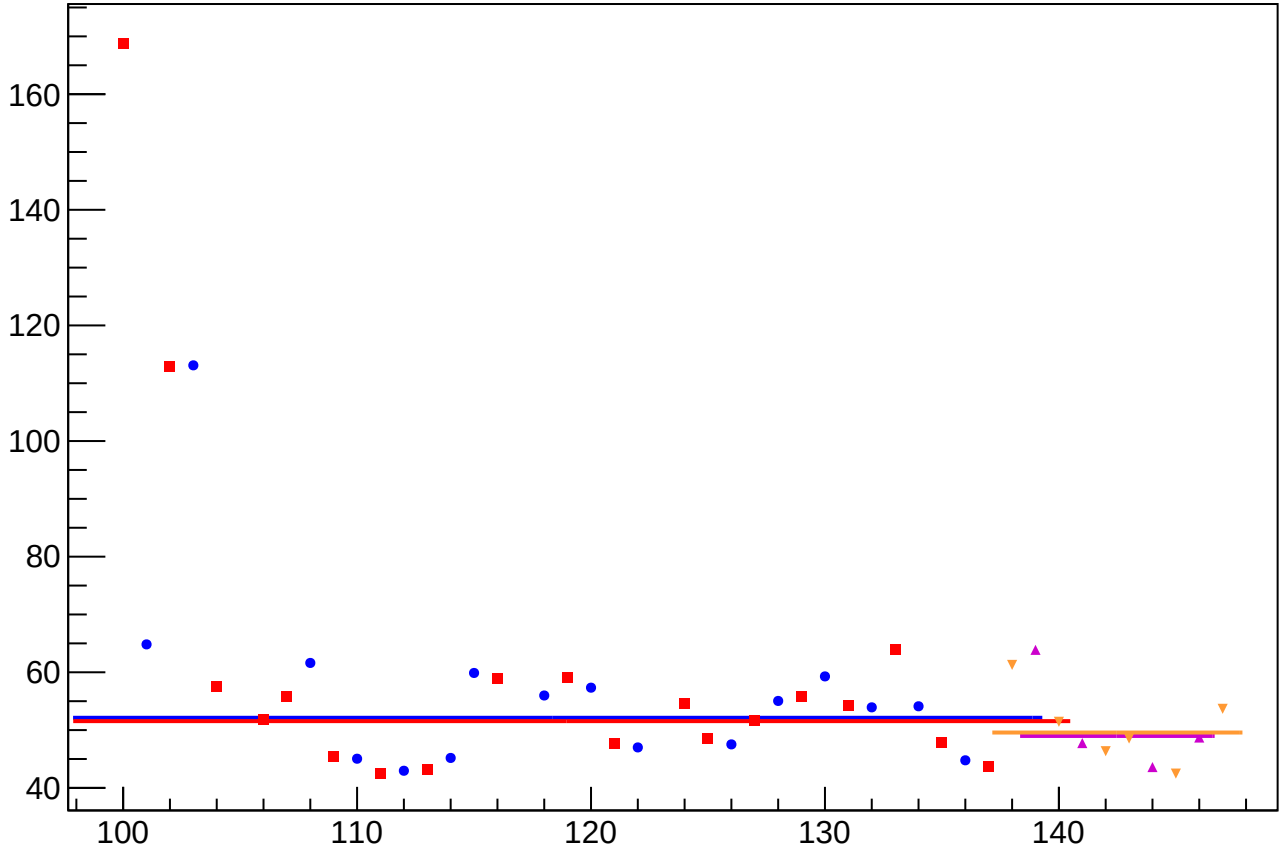
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 6.047+/-15.956 χ^2/NDF:17.0/19

Out: 68.084+/-15.111 χ^2/NDF:33.2/24

All: 38.752+/-10.972 χ^2/NDF: 58.1/44

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.578+/-0.017 χ^2/NDF:116174.8/5

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

Left: 49.315+/-0.012 χ^2/NDF: 236258.3/9

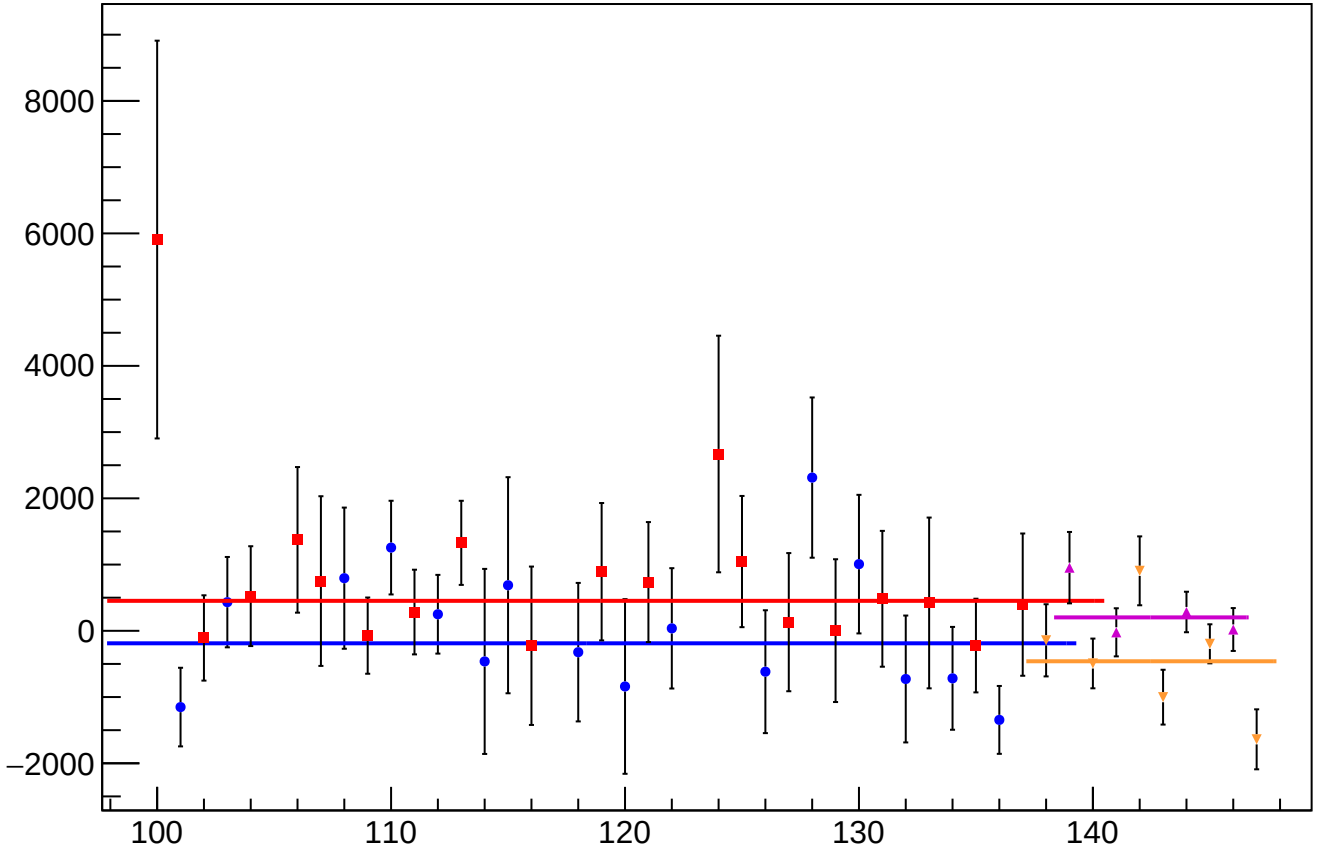
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.988+/-0.011 χ^2/NDF:700380.7/19

Out: 50.748+/-0.011 χ^2/NDF:763957.7/24

All: 50.861+/-0.008 χ^2/NDF: 1464576.8/44

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: -459.817+/-165.778 χ^2/NDF:16.5/5

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 202.642+/-178.844 χ^2/NDF:2.7/3

Left: -153.669+/-121.580 χ^2/NDF: 26.6/9

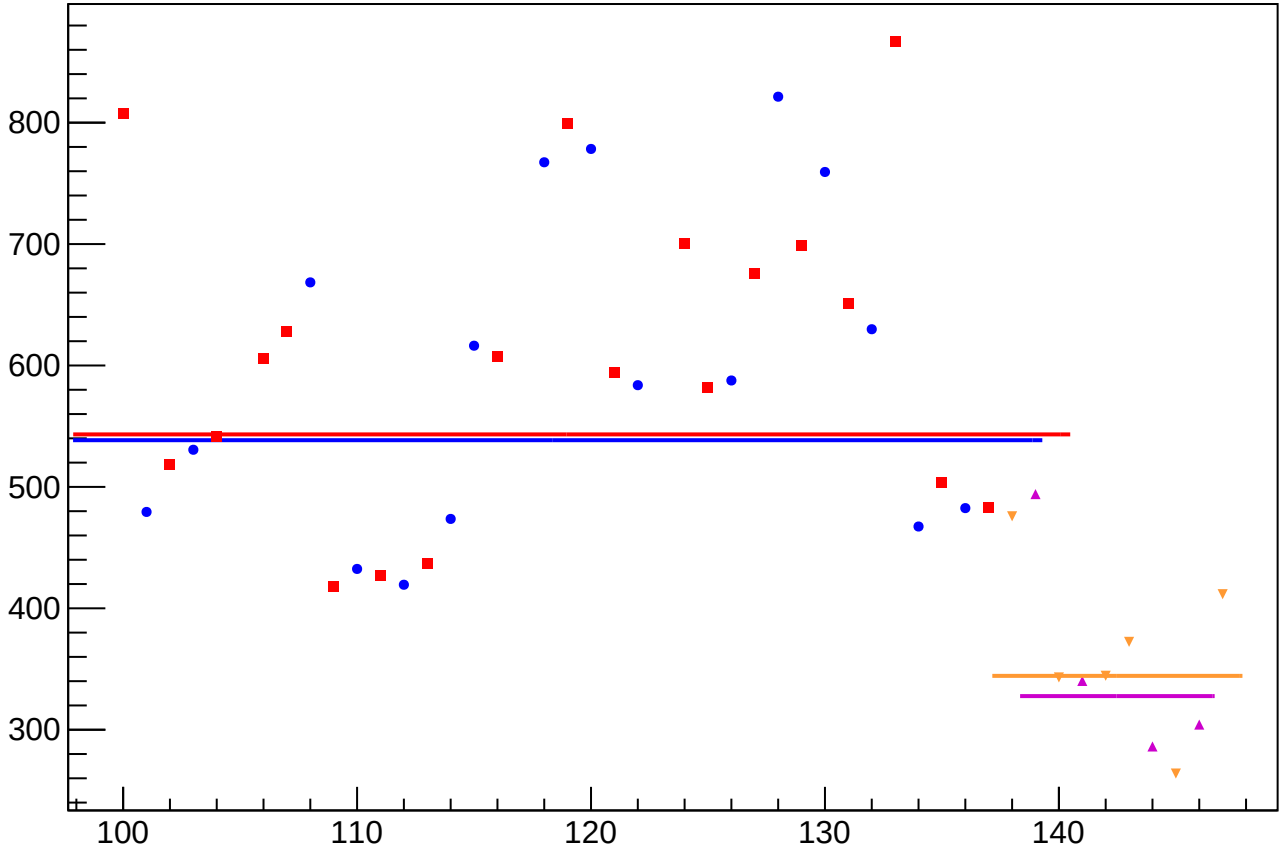
Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 34.331+/-134.996 χ^2/NDF:26.1/19

Out: -96.771+/-128.633 χ^2/NDF:39.9/24

All: -34.383+/-93.126 χ^2/NDF: 66.5/44

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 344.370+/-0.117 χ^2/NDF:318664.6/5

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 327.706+/-0.126 χ^2/NDF:240185.2/3

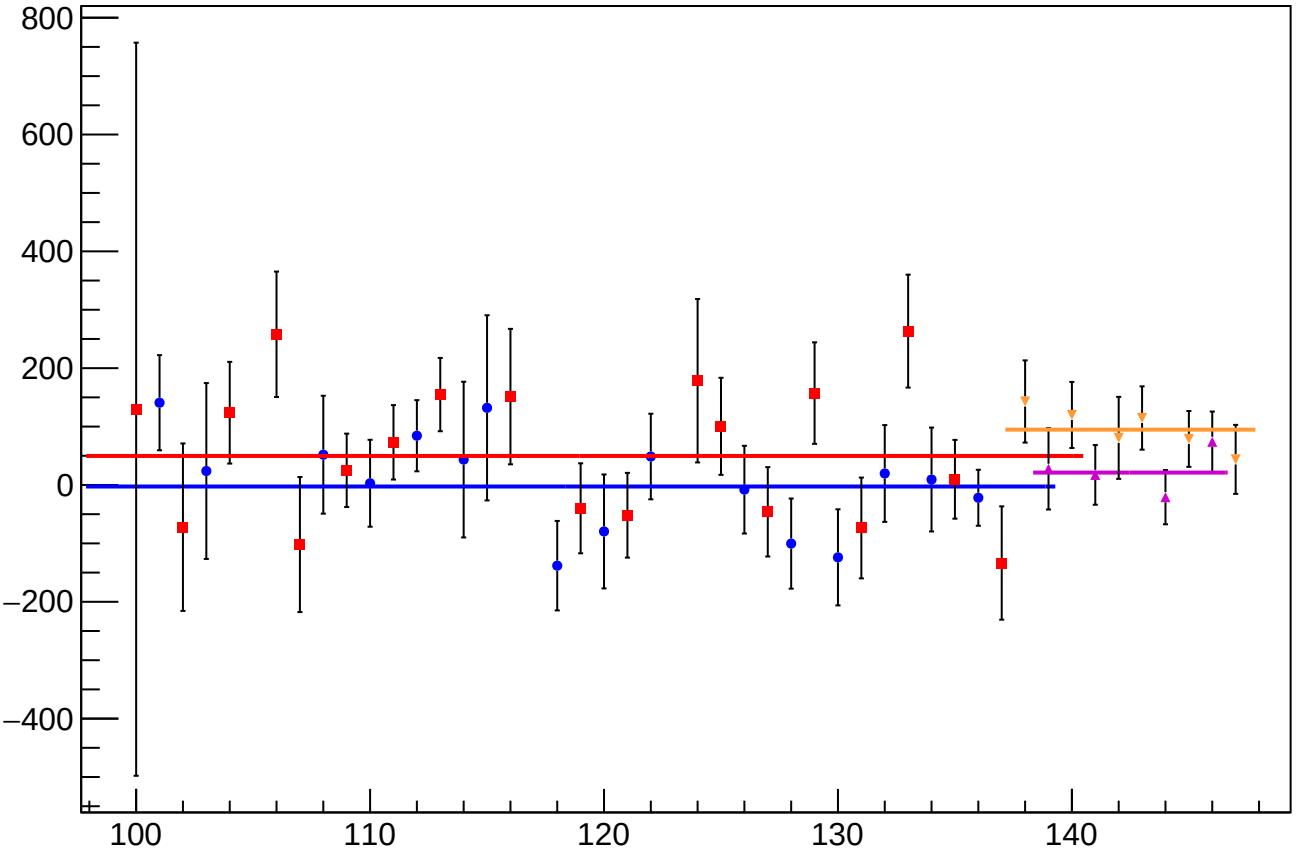
Left: 336.669+/-0.086 χ^2/NDF: 568189.5/9

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 418.383+/-0.095 χ^2/NDF:2049192.6/19

Out: 423.505+/-0.091 χ^2/NDF:2101079.9/24

All: 421.068+/-0.066 χ^2/NDF: 4151781.6/44



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 94.729+/-23.689 χ^2/NDF:1.7/5

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 21.239+/-26.479 χ^2/NDF:1.9/3

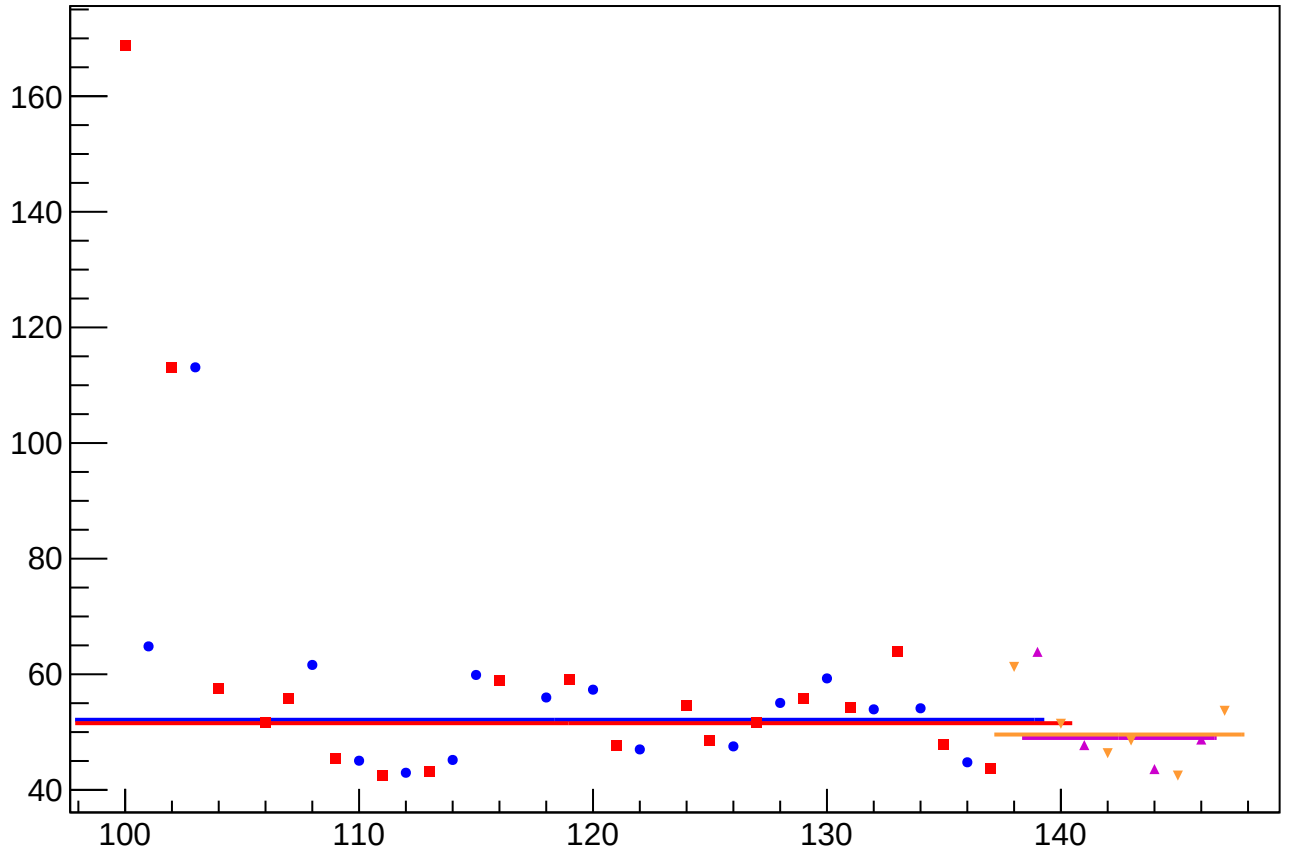
Left: 62.057+/-17.655 χ^2/NDF: 7.9/9

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 6.045+/-15.956 χ^2/NDF:17.0/19

Out: 68.019+/-15.111 χ^2/NDF:33.1/24

All: 38.716+/-10.972 χ^2/NDF: 58.1/44



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.578+/-0.017 χ^2/NDF:116174.8/5

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

Left: 49.315+/-0.012 χ^2/NDF: 236258.3/9

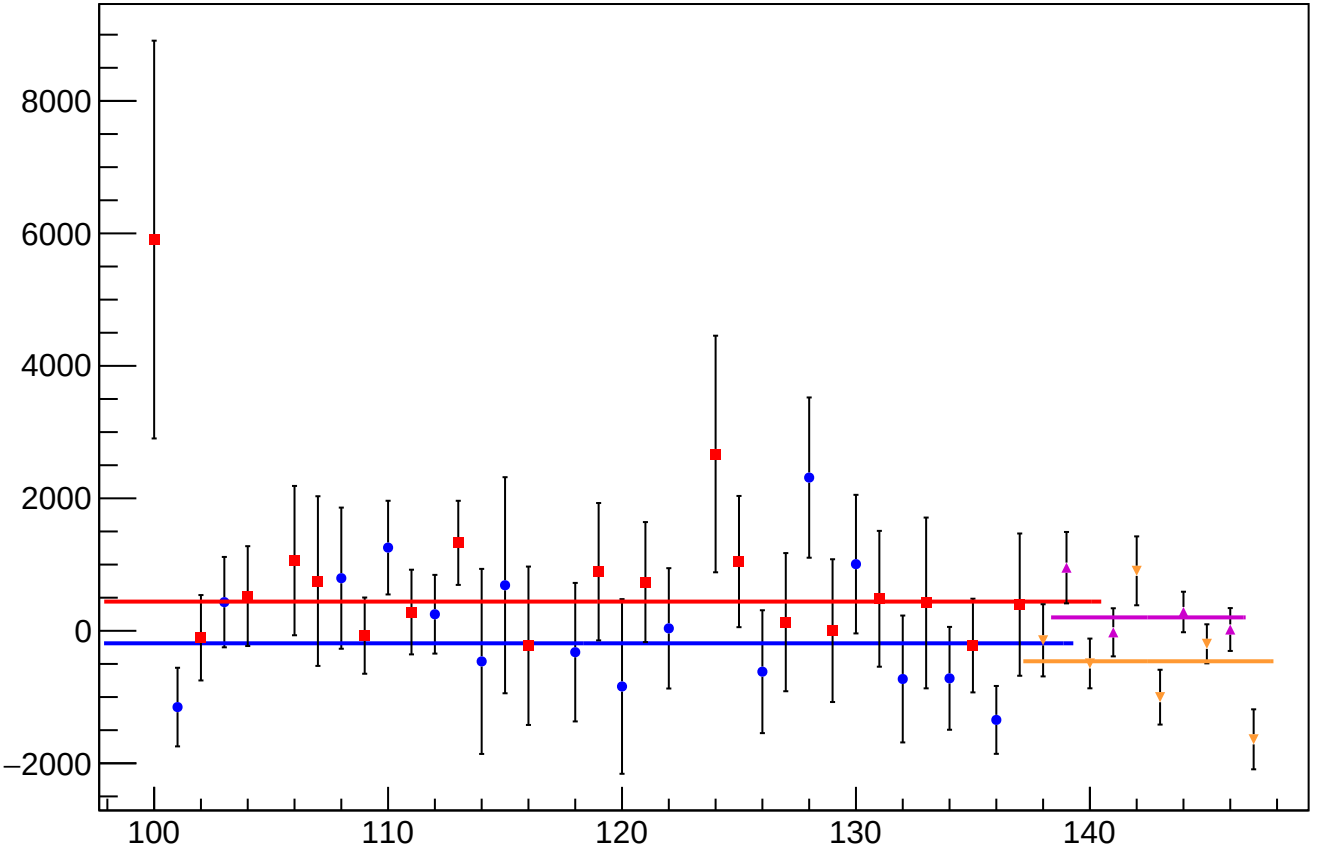
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.988+/-0.011 χ^2/NDF:700383.0/19

Out: 50.741+/-0.011 χ^2/NDF:764091.6/24

All: 50.858+/-0.008 χ^2/NDF: 1464725.4/44

asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -459.809+/-165.778 χ^2/NDF:16.5/5

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 202.644+/-178.844 χ^2/NDF:2.7/3

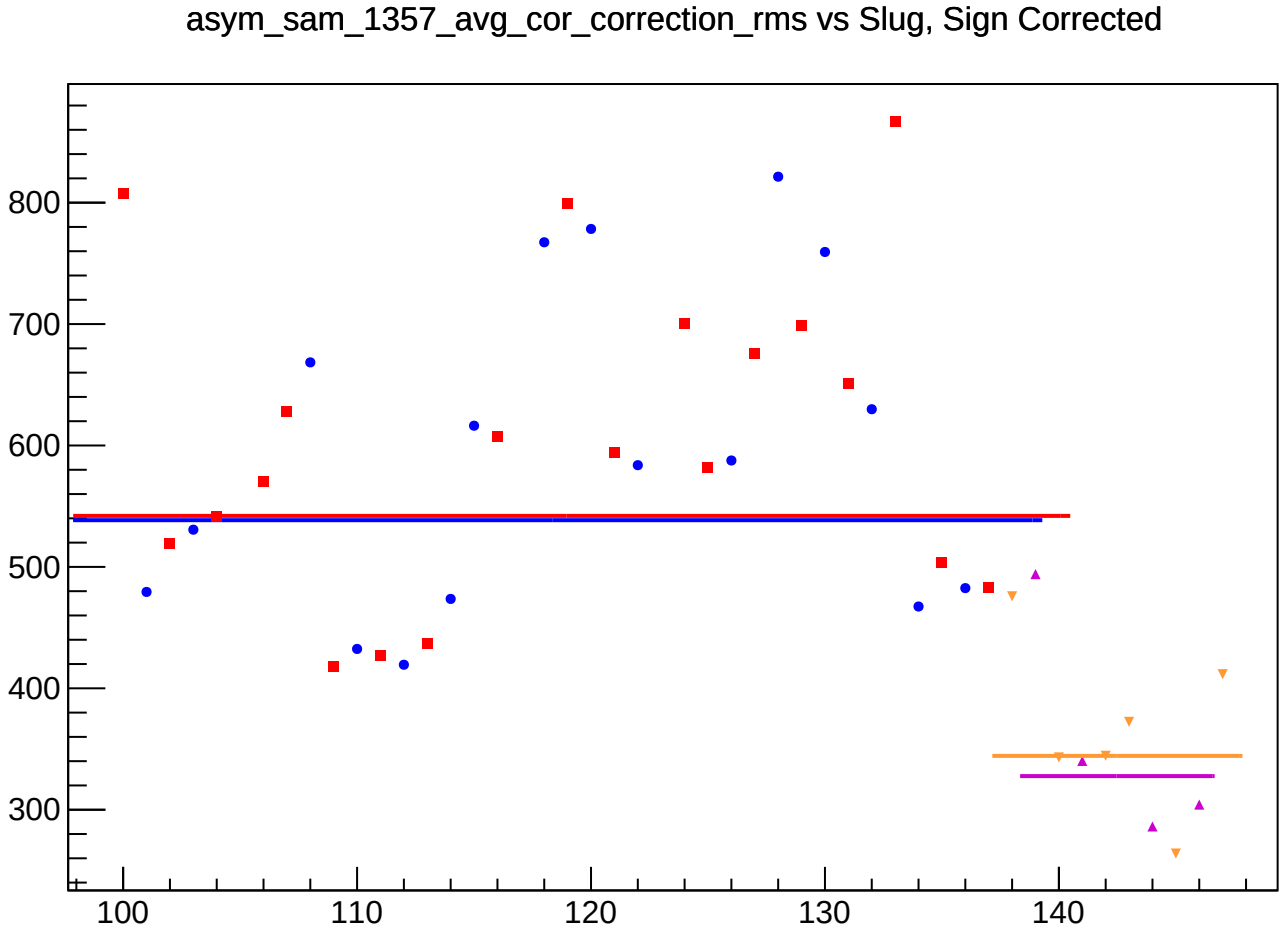
Left: -153.664+/-121.580 χ^2/NDF: 26.6/9

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 34.344+/-134.997 χ^2/NDF:26.1/19

Out: -101.699+/-128.682 χ^2/NDF:39.1/24

All: -36.934+/-93.144 χ^2/NDF: 65.8/44



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 344.370+/-0.117 χ^2/NDF:318665.5/5

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 327.706+/-0.126 χ^2/NDF:240185.1/3

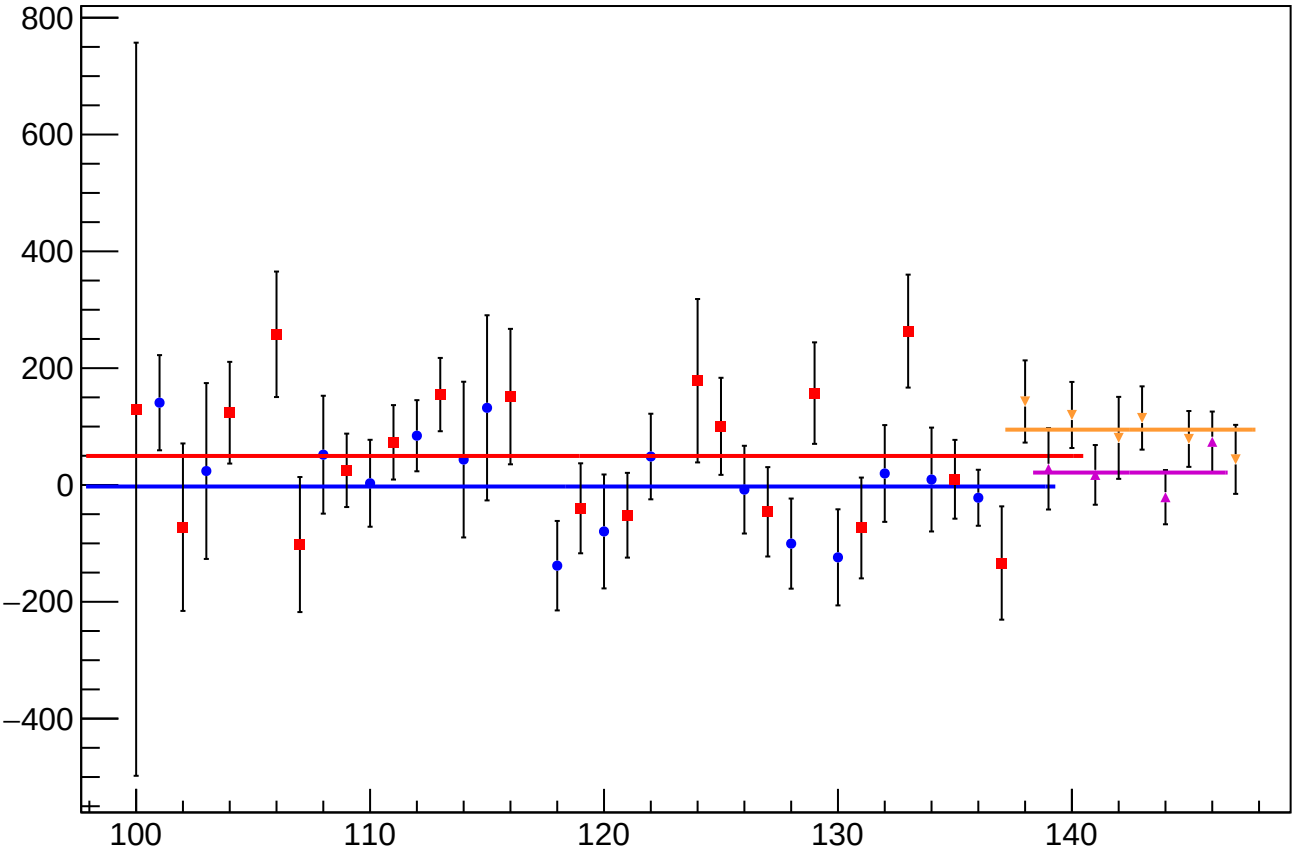
Left: 336.669+/-0.086 χ^2/NDF: 568189.8/9

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.385+/-0.095 χ^2/NDF:2049234.8/19

Out: 422.931+/-0.091 χ^2/NDF:2080272.8/24

All: 420.767+/-0.066 χ^2/NDF: 4130696.3/44



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 94.729+/-23.689 χ^2/NDF:1.7/5

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 21.239+/-26.479 χ^2/NDF:1.9/3

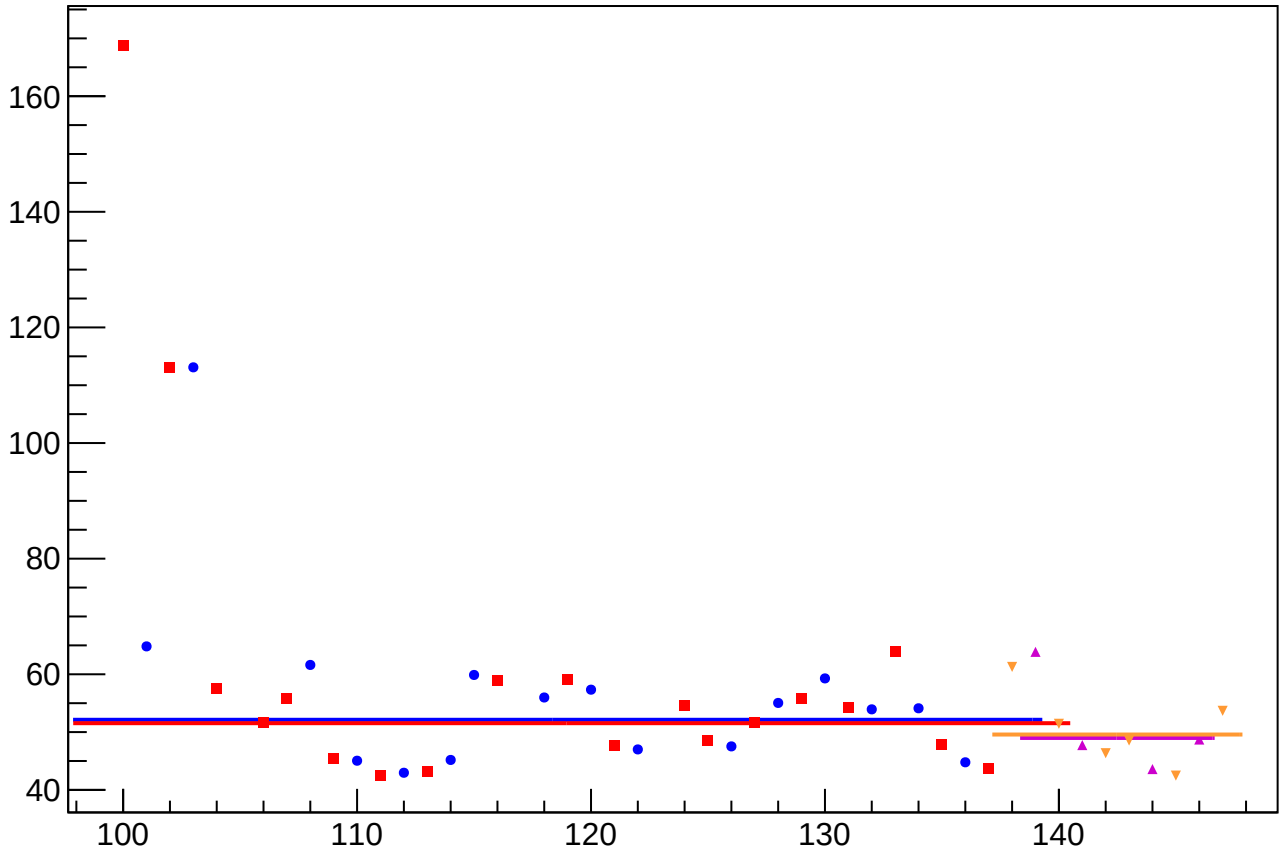
Left: 62.057+/-17.655 χ^2/NDF: 7.9/9

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 6.045+/-15.956 χ^2/NDF:17.0/19

Out: 68.019+/-15.111 χ^2/NDF:33.1/24

All: 38.716+/-10.972 χ^2/NDF: 58.1/44



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.578+/-0.017 χ^2/NDF:116174.8/5

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.987+/-0.019 χ^2/NDF:119529.2/3

Left: 49.315+/-0.012 χ^2/NDF: 236258.3/9

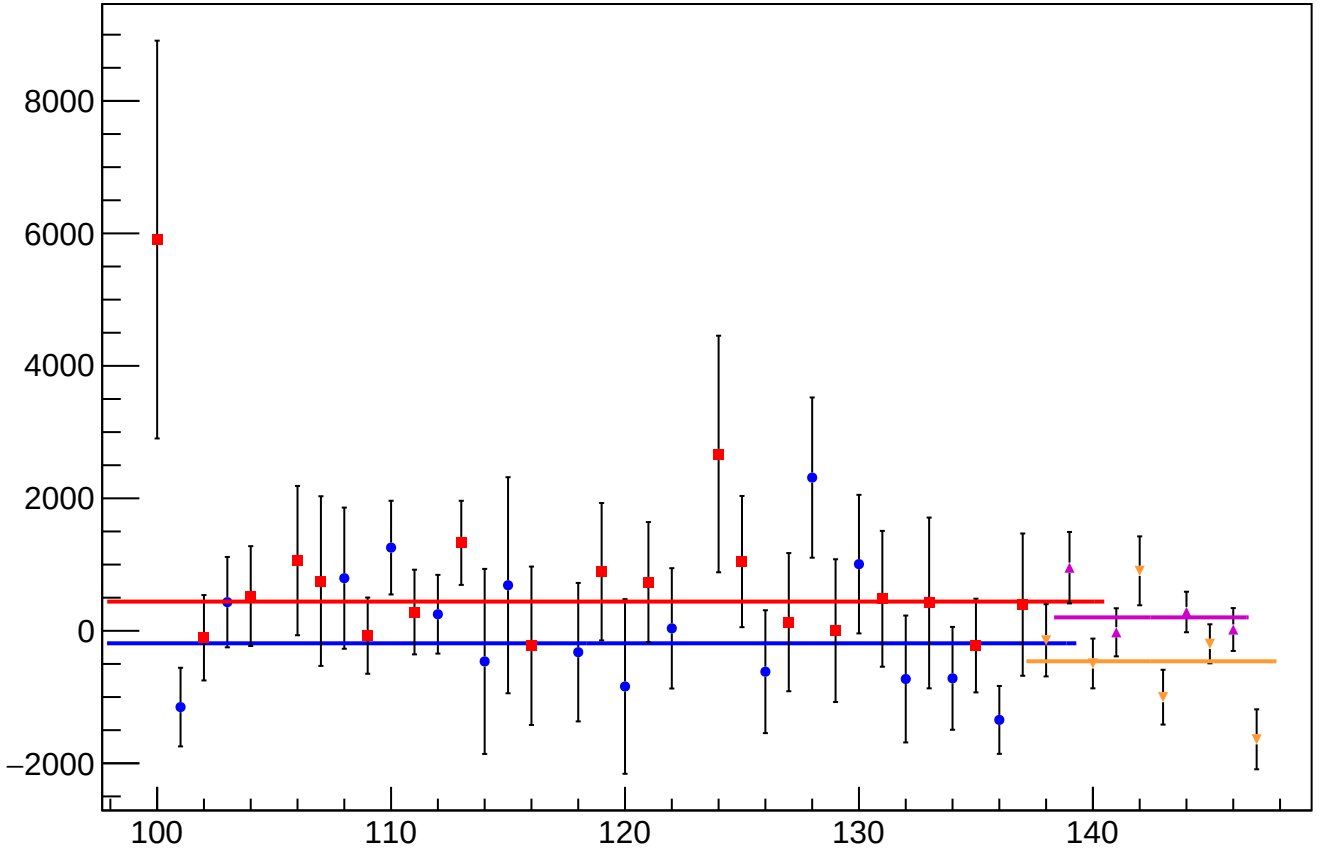
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.988+/-0.011 χ^2/NDF:700383.0/19

Out: 50.741+/-0.011 χ^2/NDF:764091.6/24

All: 50.858+/-0.008 χ^2/NDF: 1464725.4/44

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: -459.809+/-165.778 χ^2/NDF:16.5/5

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 202.644+/-178.844 χ^2/NDF:2.7/3

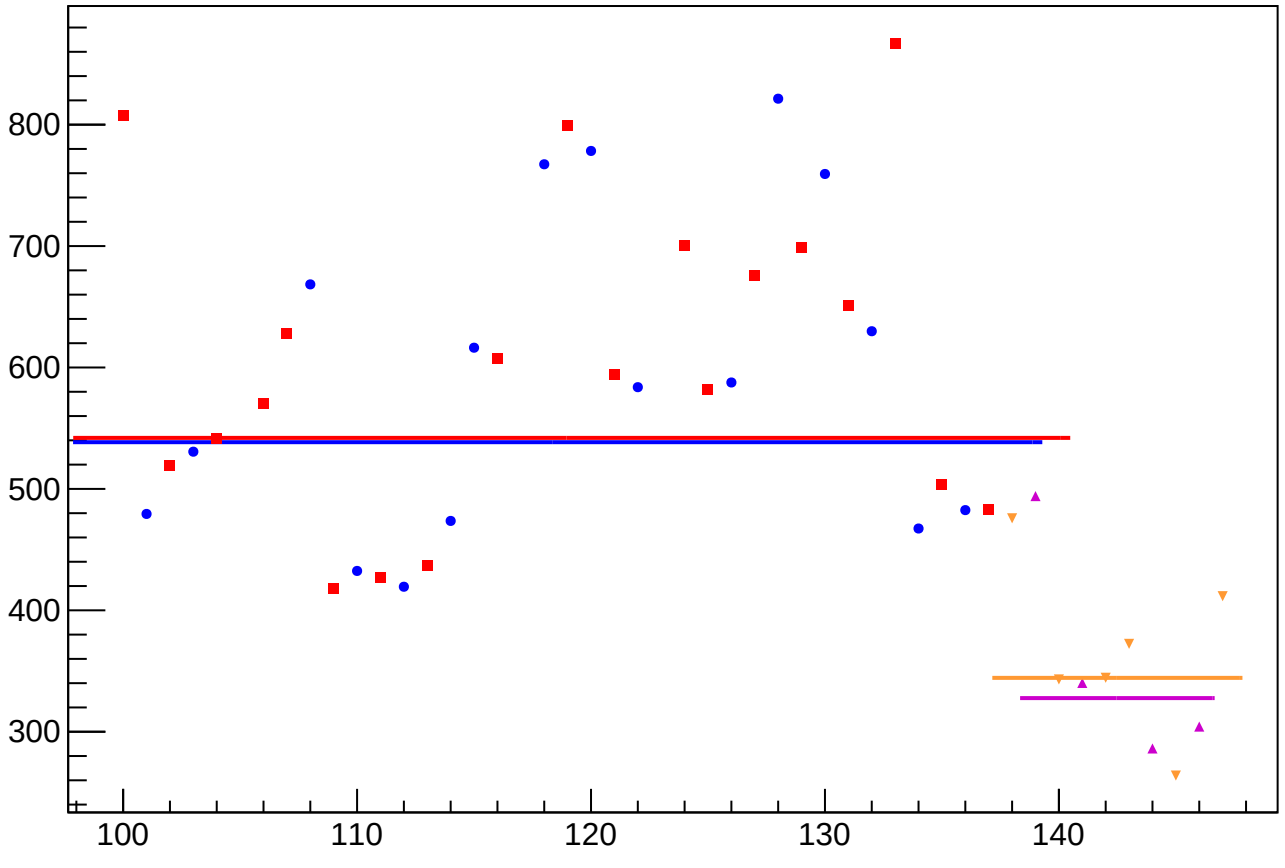
Left: -153.664+/-121.580 χ^2/NDF: 26.6/9

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 34.344+/-134.997 χ^2/NDF:26.1/19

Out: -101.699+/-128.682 χ^2/NDF:39.1/24

All: -36.934+/-93.144 χ^2/NDF: 65.8/44



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 344.370+/-0.117 χ^2/NDF:318665.5/5

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 327.706+/-0.126 χ^2/NDF:240185.1/3

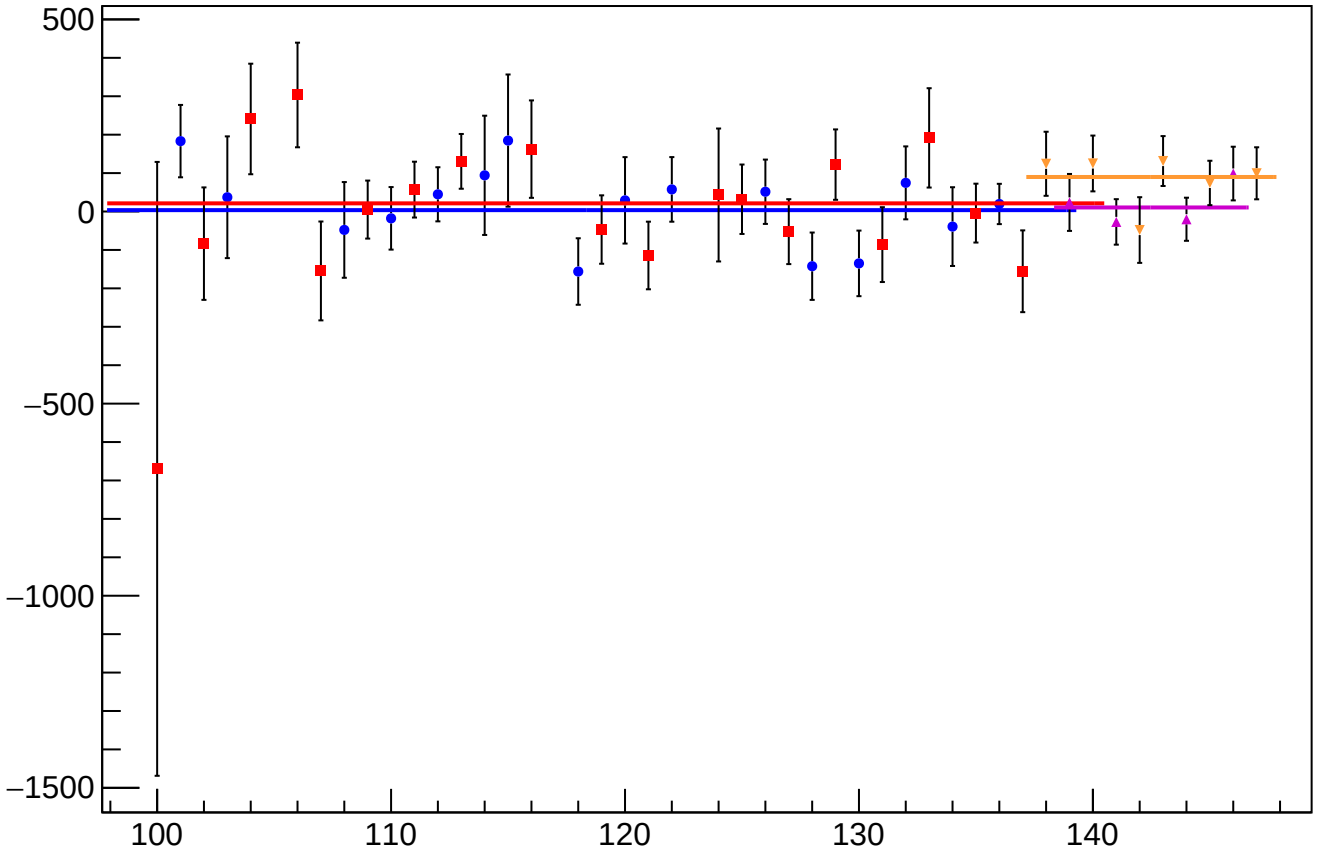
Left: 336.669+/-0.086 χ^2/NDF: 568189.8/9

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.385+/-0.095 χ^2/NDF:2049234.8/19

Out: 422.931+/-0.091 χ^2/NDF:2080272.8/24

All: 420.767+/-0.066 χ^2/NDF: 4130696.3/44



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 89.884+/-28.566 χ^2/NDF:3.5/5

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 10.558+/-31.779 χ^2/NDF:2.3/3

Left: 54.433+/-21.244 χ^2/NDF: 9.3/9

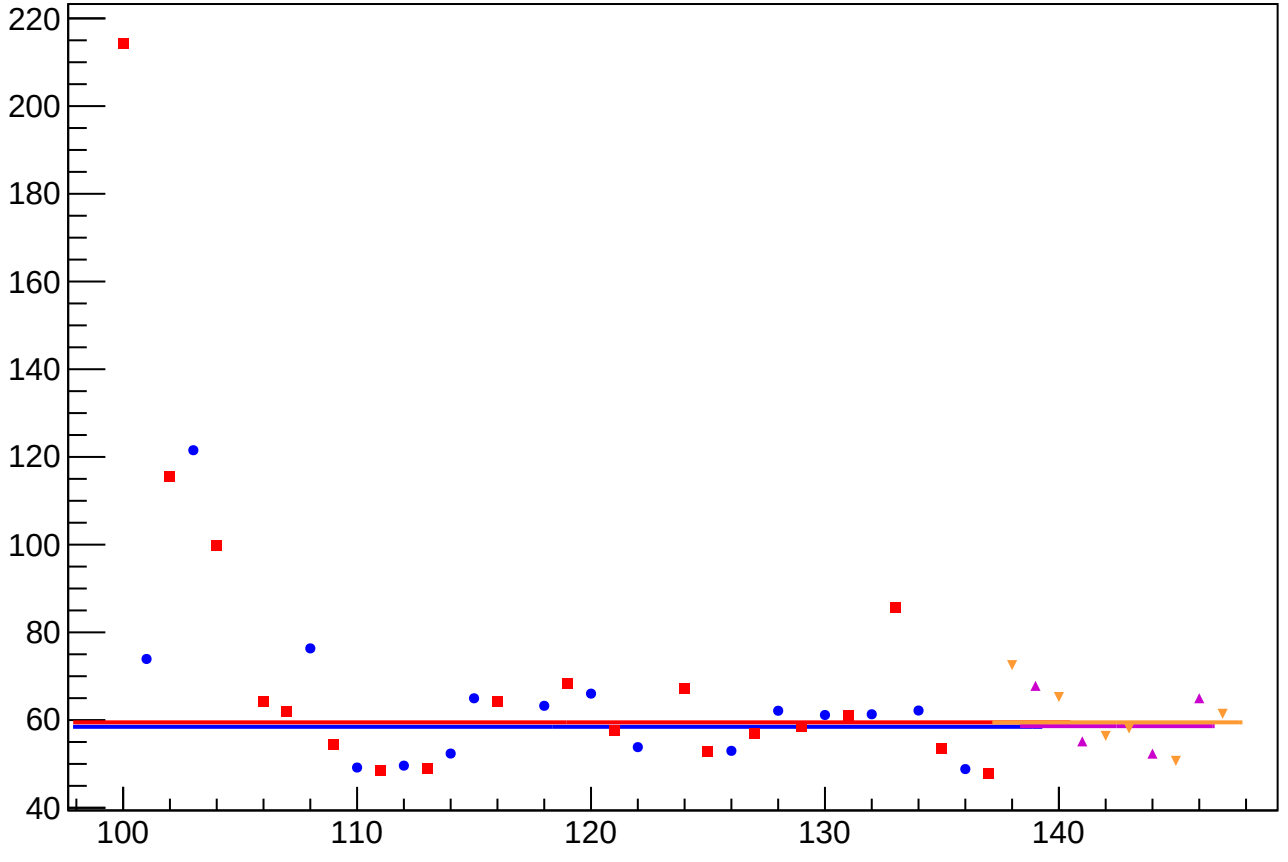
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 5.919+/-18.352 χ^2/NDF:18.5/19

Out: 47.916+/-17.805 χ^2/NDF:31.5/24

All: 27.553+/-12.779 χ^2/NDF: 52.7/44

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 59.483+/-0.020 χ^2/NDF:112995.9/5

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 58.616+/-0.022 χ^2/NDF:79187.8/3

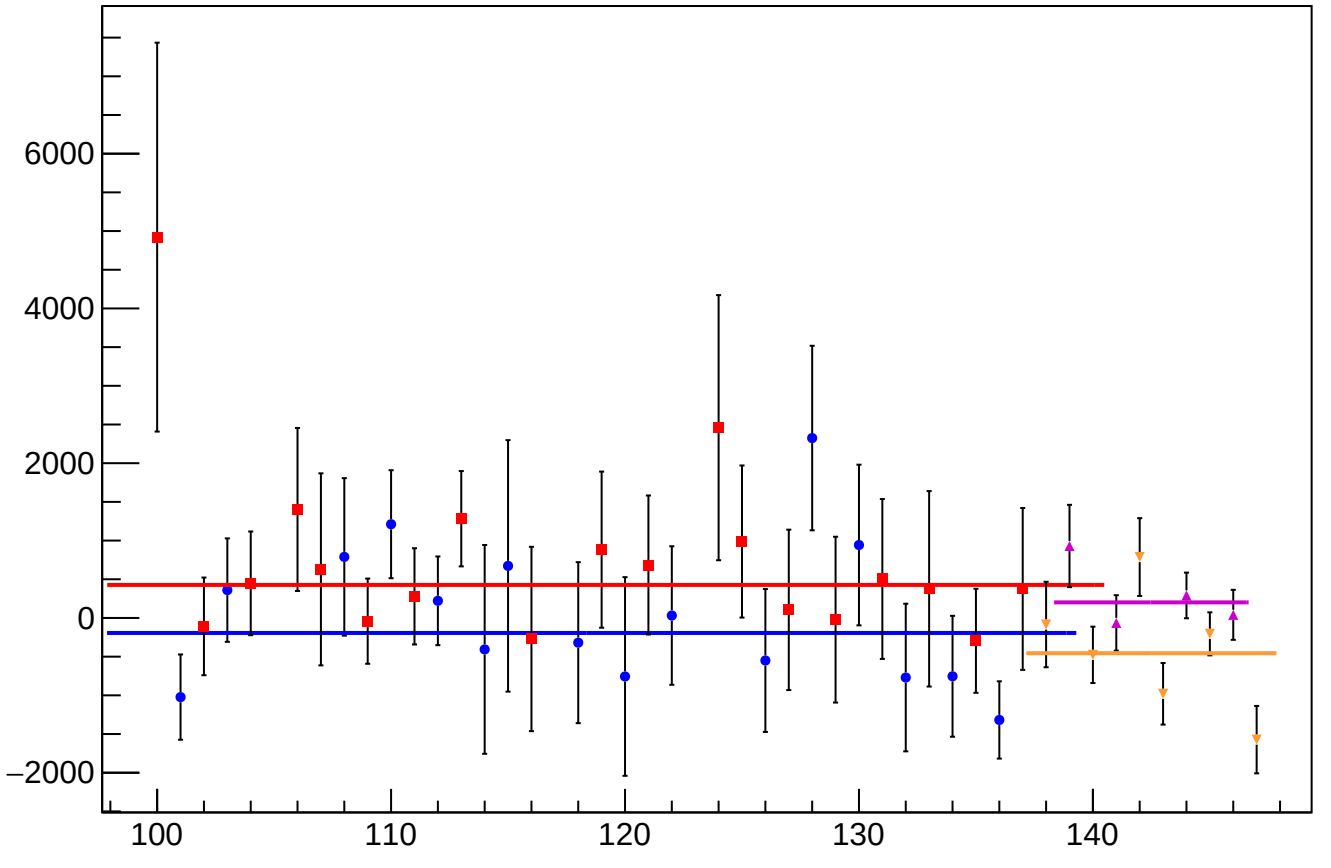
Left: 59.096+/-0.015 χ^2/NDF: 193008.3/9

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.515+/-0.013 χ^2/NDF:662201.9/19

Out: 59.484+/-0.013 χ^2/NDF:897876.0/24

All: 59.014+/-0.009 χ^2/NDF: 1562945.6/44



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -455.325+/-159.535 χ^2/NDF:15.7/5

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 201.261+/-175.681 χ^2/NDF:2.8/3

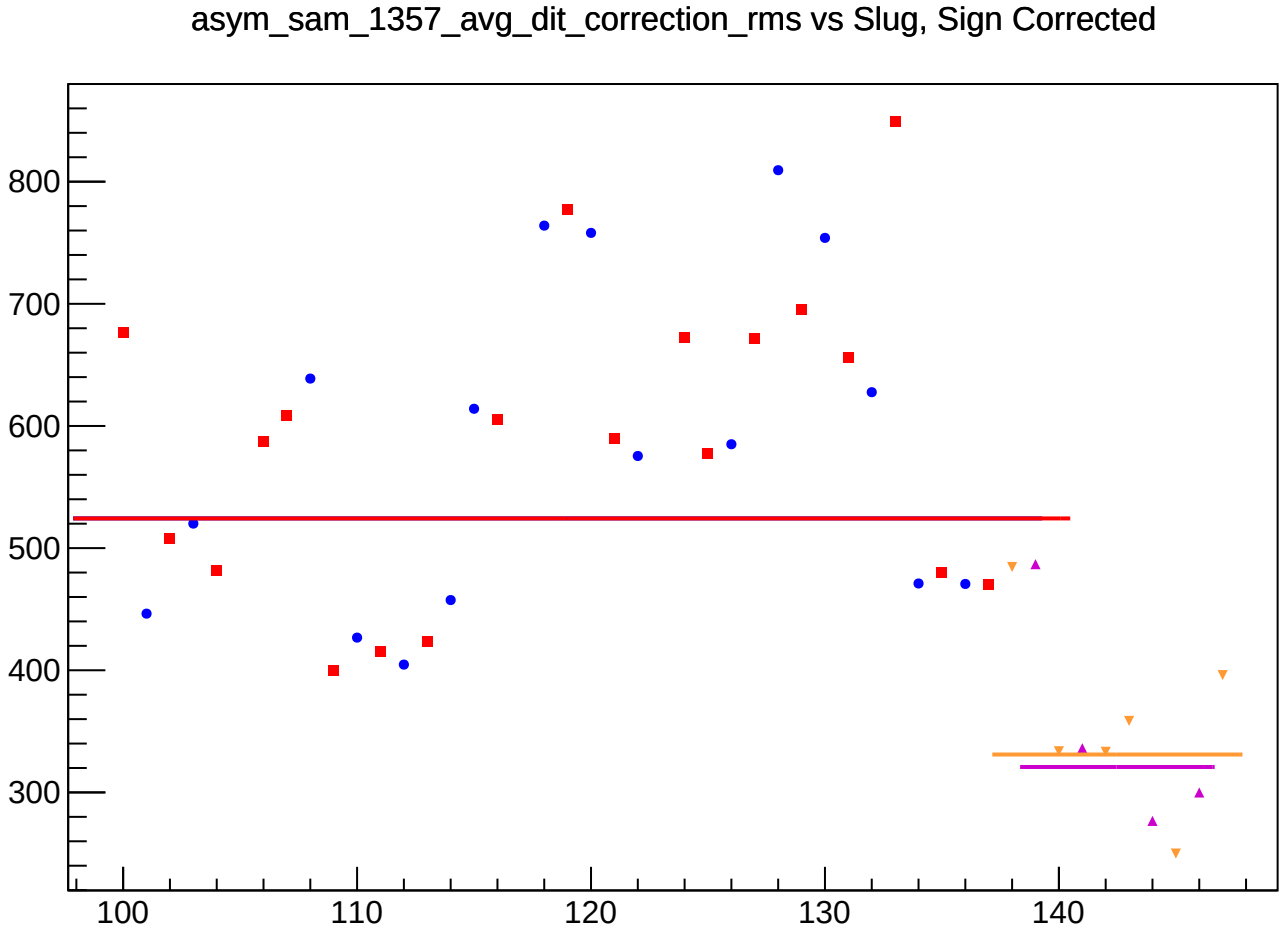
Left: -158.584+/-118.105 χ^2/NDF: 26.1/9

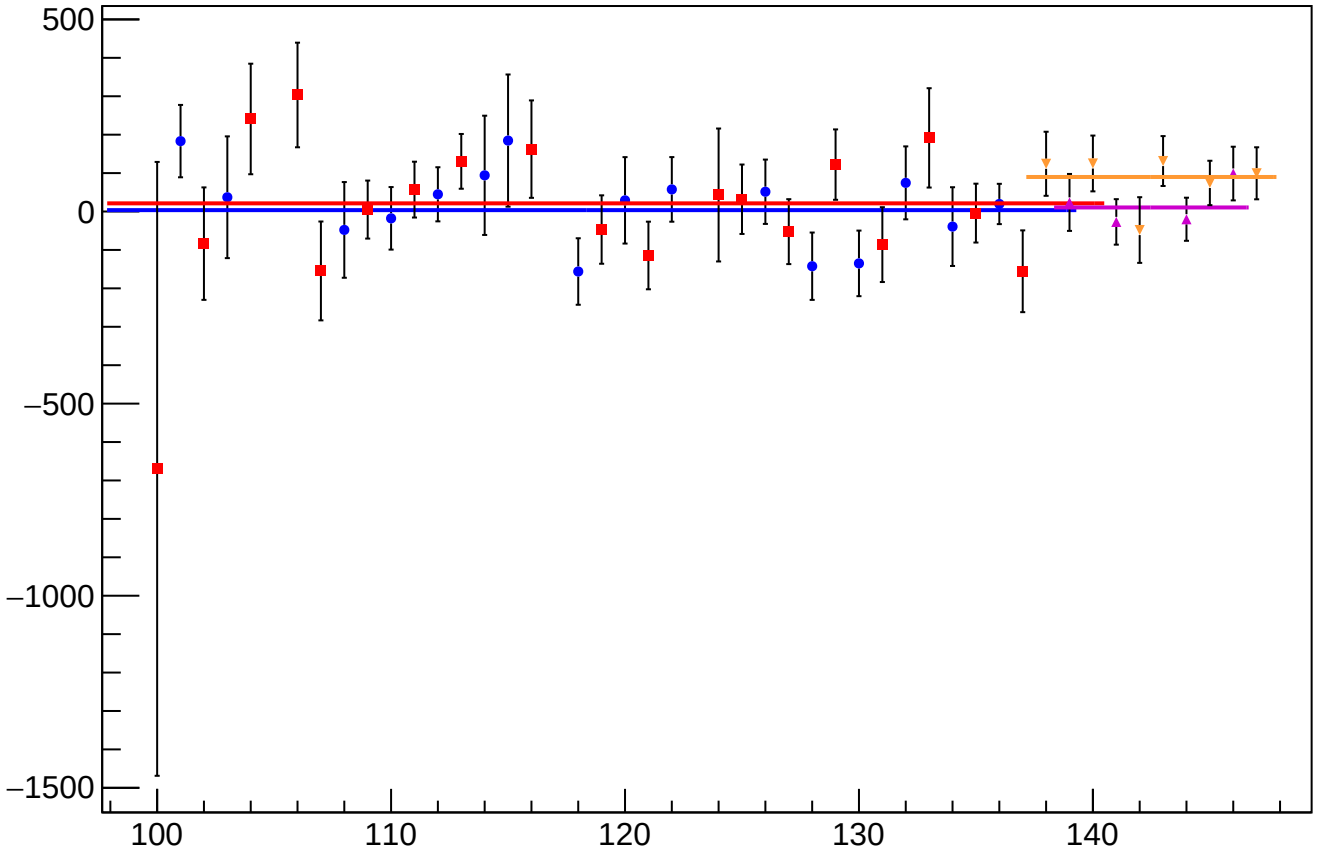
Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 29.740+/-132.163 χ^2/NDF:25.8/19

Out: -105.886+/-123.981 χ^2/NDF:39.1/24

All: -42.401+/-90.422 χ^2/NDF: 65.4/44


asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected
800
700
600
500
400
300
100
110
120
130
140
Right In: 524.326+/-0.142 χ²/NDF: 658488.5/15
Left Out: 331.024+/-0.113 χ²/NDF:378868.0/5
Right Out: 524.306+/-0.139 χ²/NDF: 686061.2/18
Left In: 320.820+/-0.124 χ²/NDF:251770.9/3
Left: 326.412+/-0.084 χ²/NDF: 634336.6/9
Right: 524.316+/-0.099 χ²/NDF: 1344549.7/34
In: 409.153+/-0.093 χ²/NDF:2075144.4/19
Out: 407.574+/-0.088 χ²/NDF:2227609.4/24
All: 408.313+/-0.064 χ²/NDF: 4302905.7/44



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 89.883+/-28.566 χ^2/NDF:3.5/5

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 10.559+/-31.779 χ^2/NDF:2.3/3

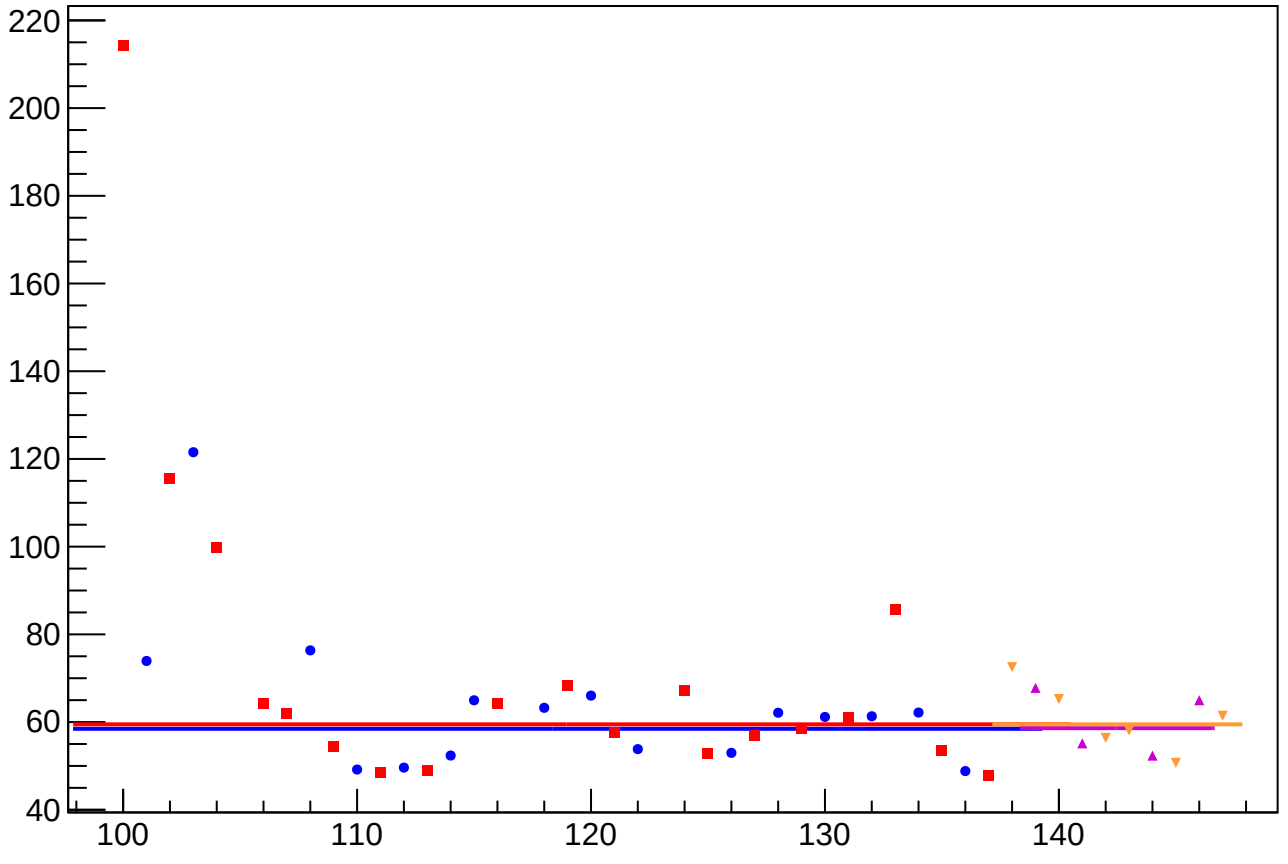
Left: 54.433+/-21.245 χ^2/NDF: 9.3/9

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 5.919+/-18.352 χ^2/NDF:18.5/19

Out: 47.914+/-17.805 χ^2/NDF:31.5/24

All: 27.553+/-12.779 χ^2/NDF: 52.7/44



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 59.484+/-0.020 χ^2/NDF:112995.4/5

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 58.616+/-0.022 χ^2/NDF:79186.8/3

Left: 59.096+/-0.015 χ^2/NDF: 193006.9/9

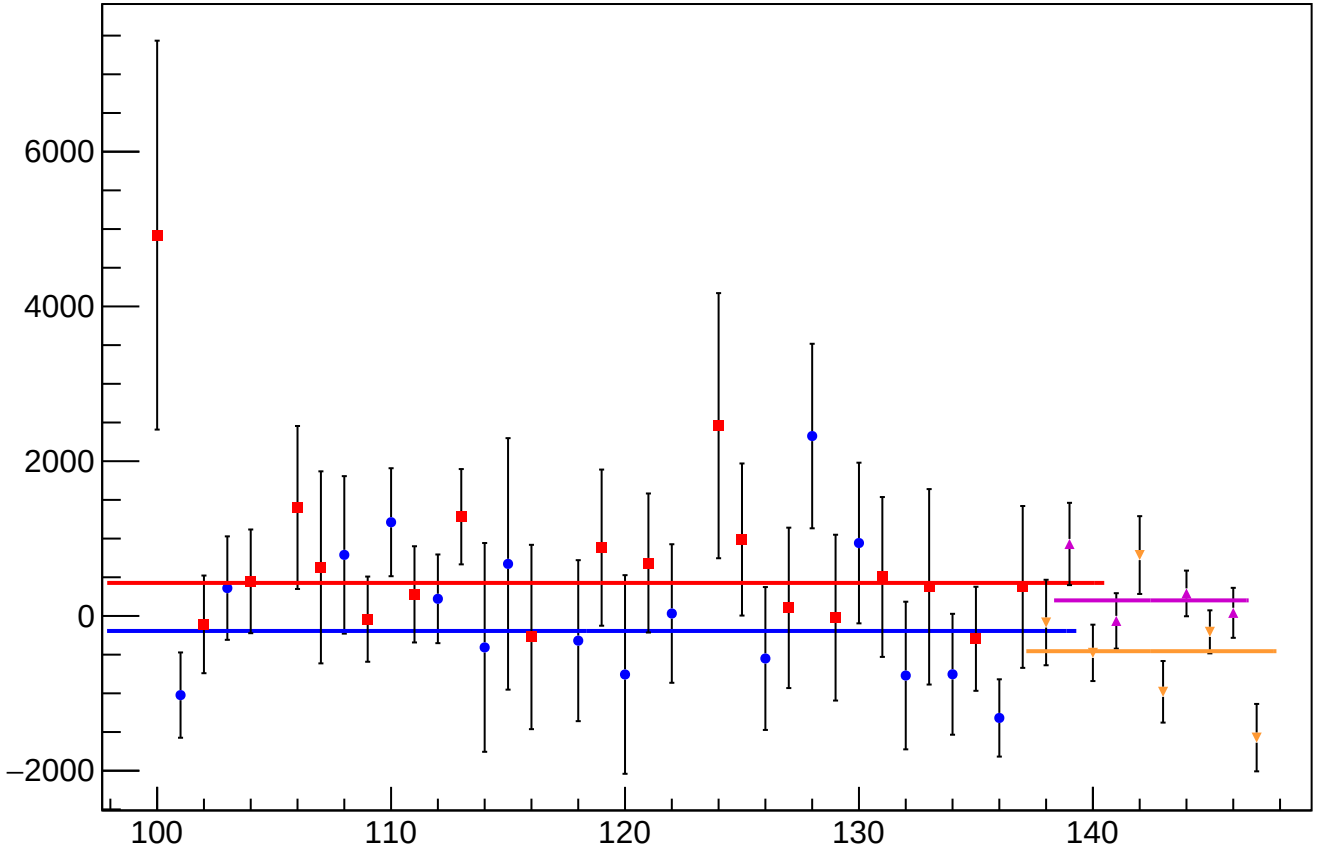
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.516+/-0.013 χ^2/NDF:662197.3/19

Out: 59.484+/-0.013 χ^2/NDF:897875.6/24

All: 59.015+/-0.009 χ^2/NDF: 1562940.9/44

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: -455.326+/-159.535 χ^2/NDF:15.7/5

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 201.262+/-175.681 χ^2/NDF:2.8/3

Left: -158.584+/-118.105 χ^2/NDF: 26.1/9

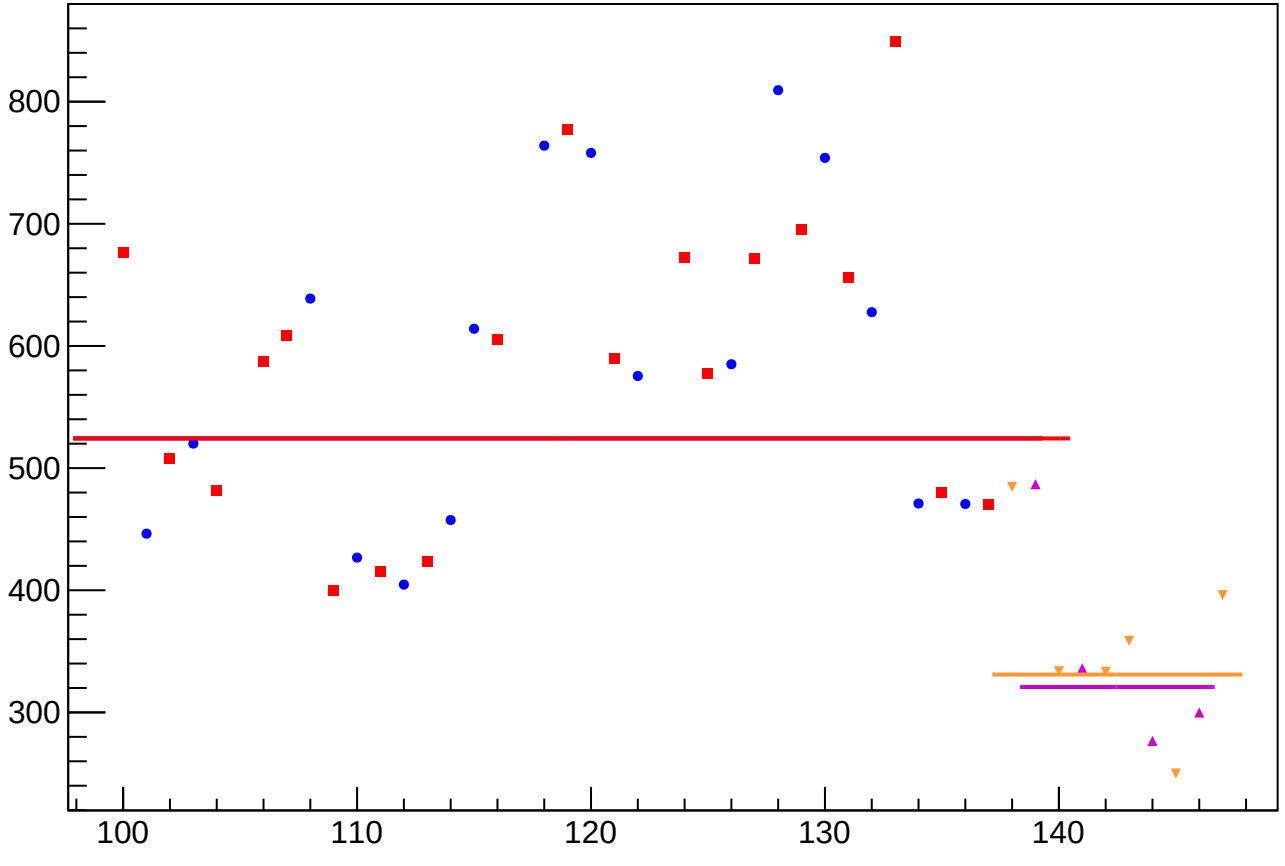
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 29.740+/-132.163 χ^2/NDF:25.8/19

Out: -105.886+/-123.981 χ^2/NDF:39.1/24

All: -42.401+/-90.422 χ^2/NDF: 65.4/44

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: 331.024+/-0.113 χ^2/NDF:378869.3/5

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 320.820+/-0.124 χ^2/NDF:251771.8/3

Left: 326.412+/-0.084 χ^2/NDF: 634338.8/9

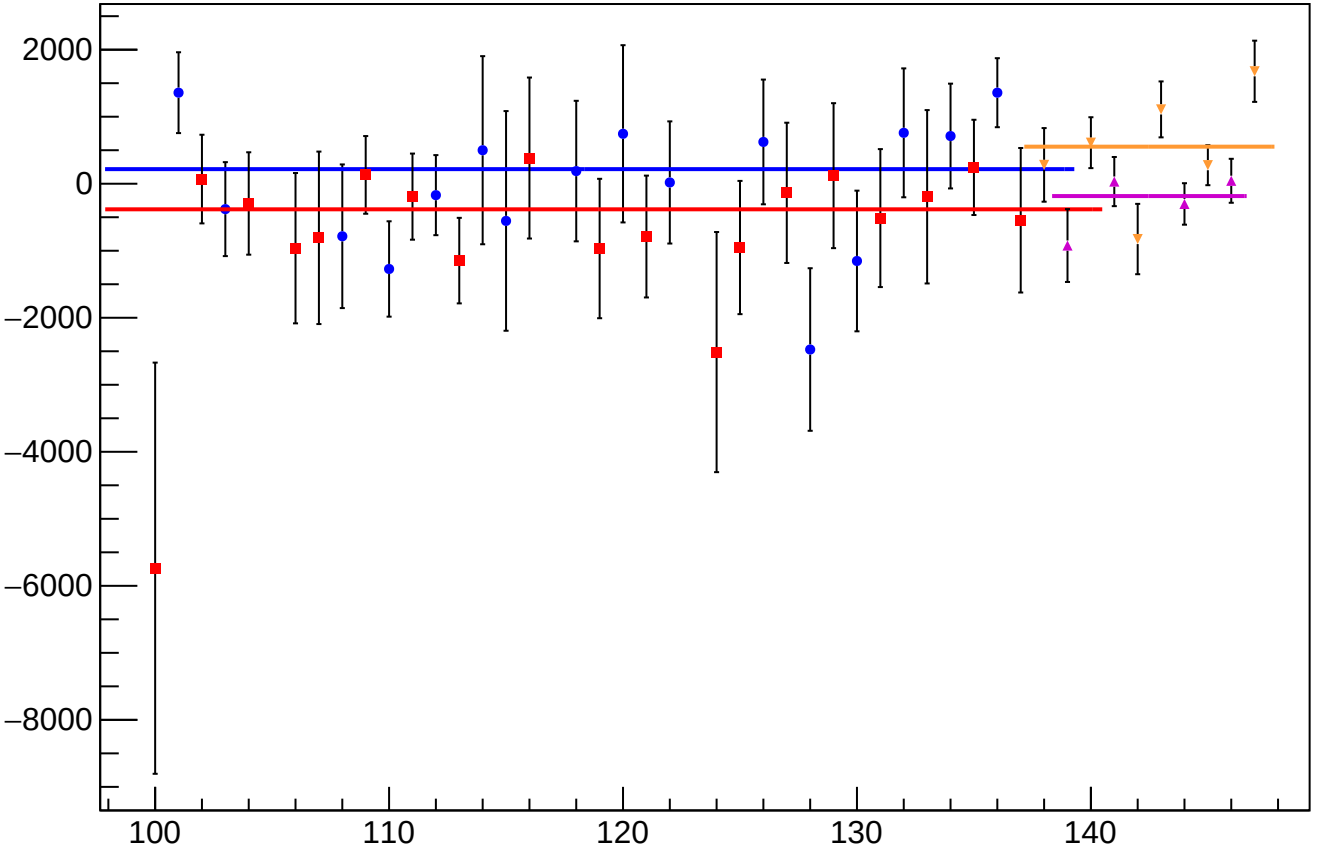
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 409.153+/-0.093 χ^2/NDF:2075141.3/19

Out: 407.574+/-0.088 χ^2/NDF:2227604.3/24

All: 408.313+/-0.064 χ^2/NDF: 4302897.4/44

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 553.054+/-167.561 χ^2/NDF:15.9/5

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -184.105+/-180.903 χ^2/NDF:2.8/3

Left: 212.657+/-122.930 χ^2/NDF: 27.6/9

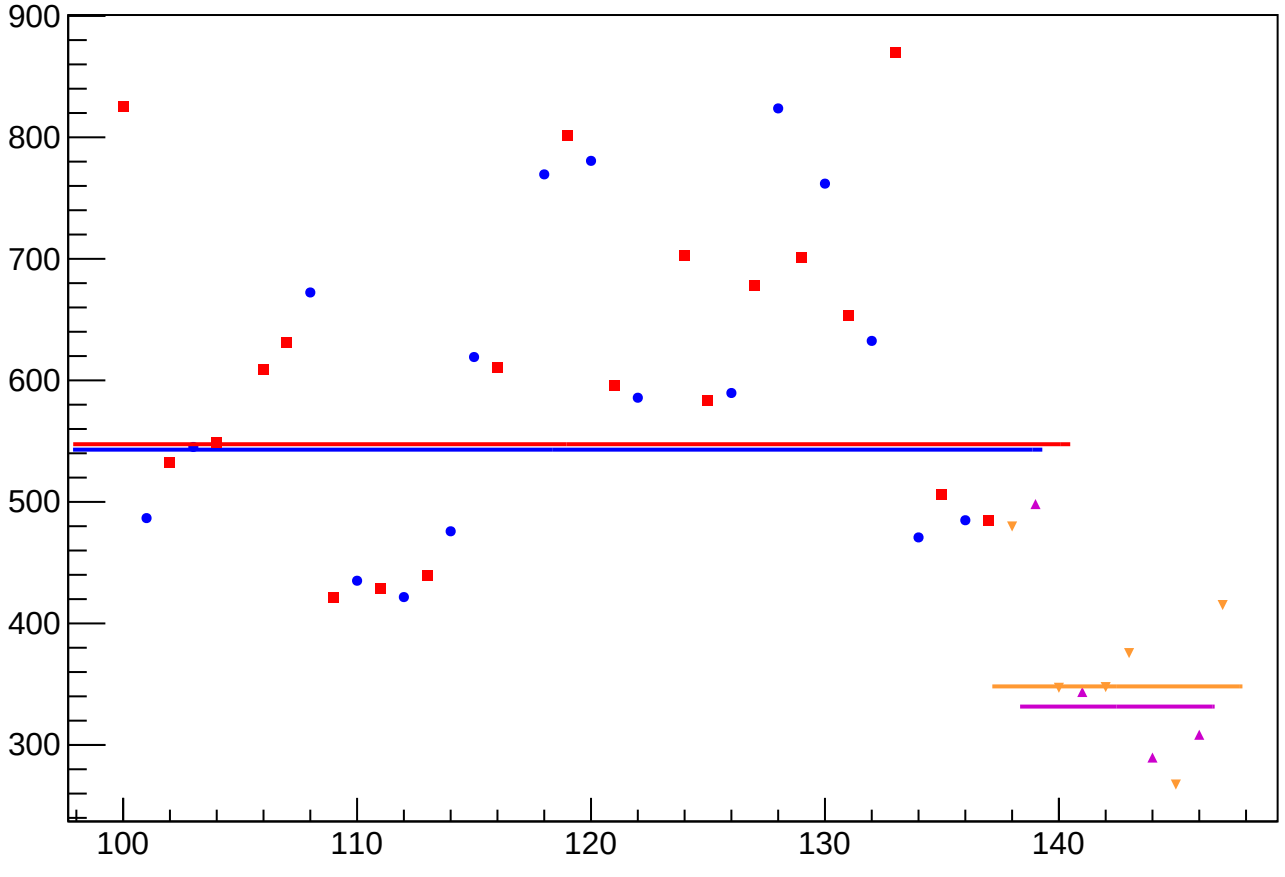
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -10.557+/-136.356 χ^2/NDF:27.8/19

Out: 179.896+/-129.885 χ^2/NDF:38.3/24

All: 89.296+/-94.047 χ^2/NDF: 67.1/44

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 348.180+/-0.118 χ^2/NDF:312504.4/5

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 331.588+/-0.128 χ^2/NDF:236830.3/3

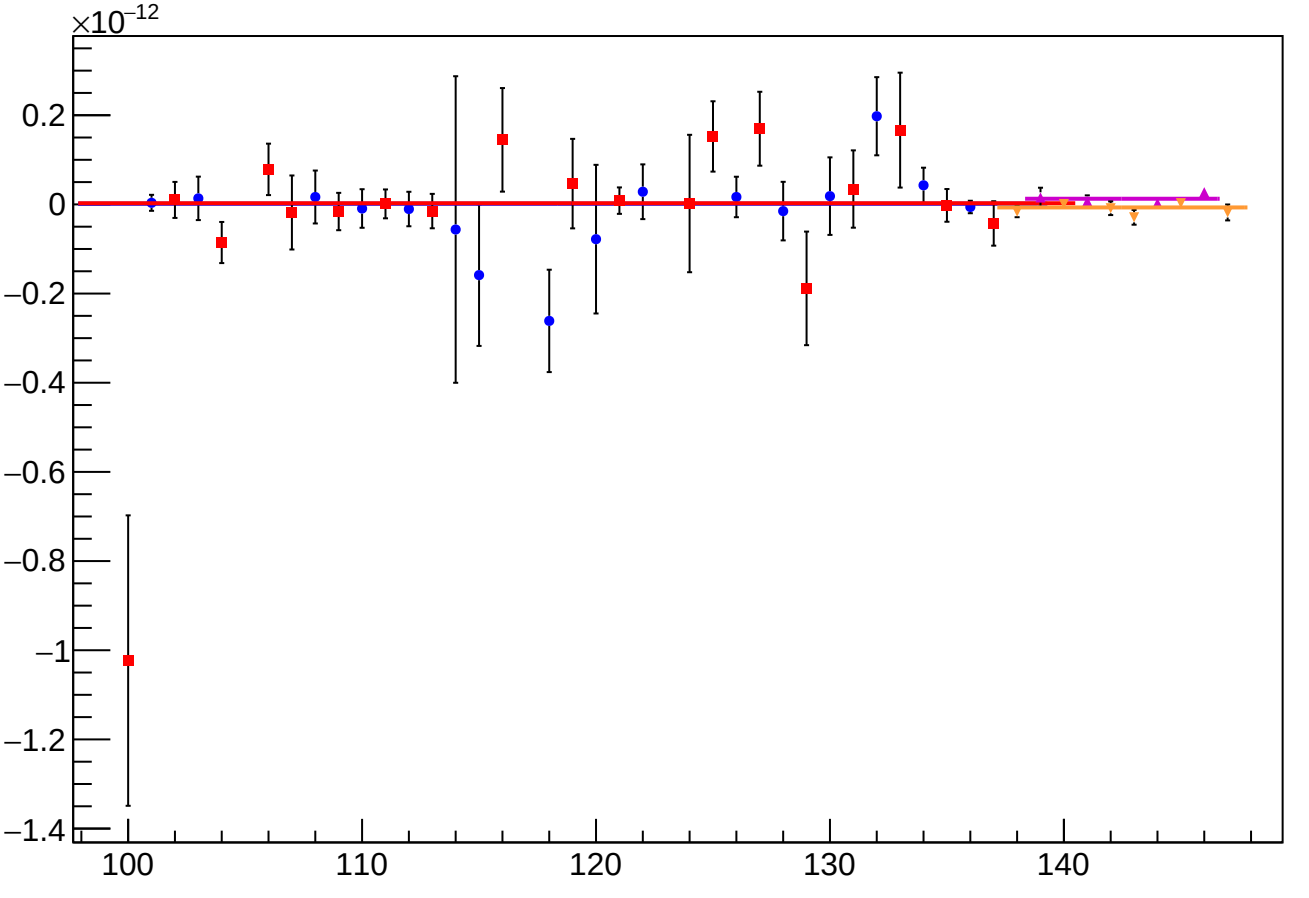
Left: 340.518+/-0.087 χ^2/NDF: 558390.6/9

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 422.887+/-0.096 χ^2/NDF:2021674.4/19

Out: 427.724+/-0.092 χ^2/NDF:2071964.5/24

All: 425.423+/-0.067 χ^2/NDF: 4094958.2/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.4/5

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/3

Left: 0.000+/-0.000 χ^2/NDF: 13.1/9

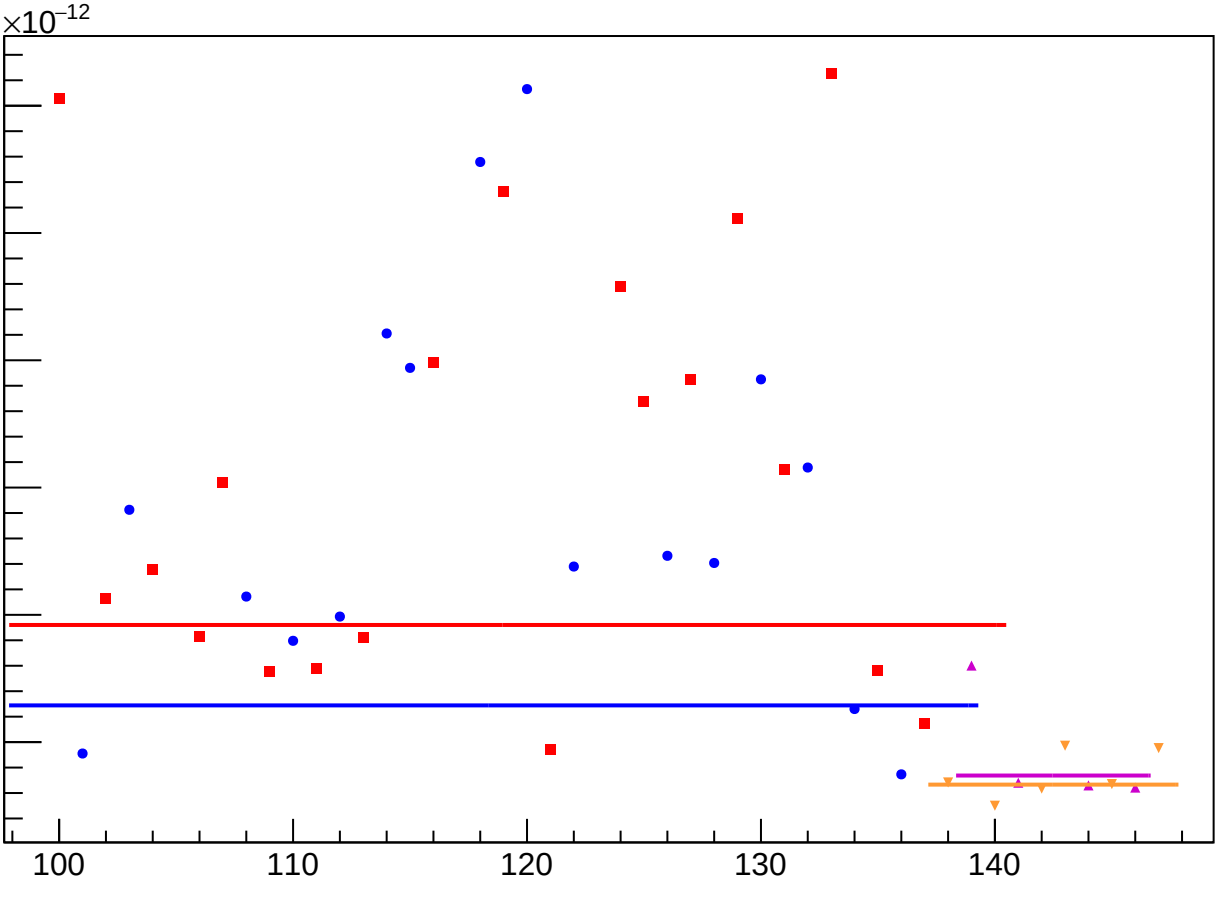
Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:17.4/19

Out: -0.000+/-0.000 χ^2/NDF:34.9/24

All: 0.000+/-0.000 χ^2/NDF: 56.8/44

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:188473.7/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:346761.4/3

Left: 0.000+/-0.000 χ^2/NDF: 551048.5/9

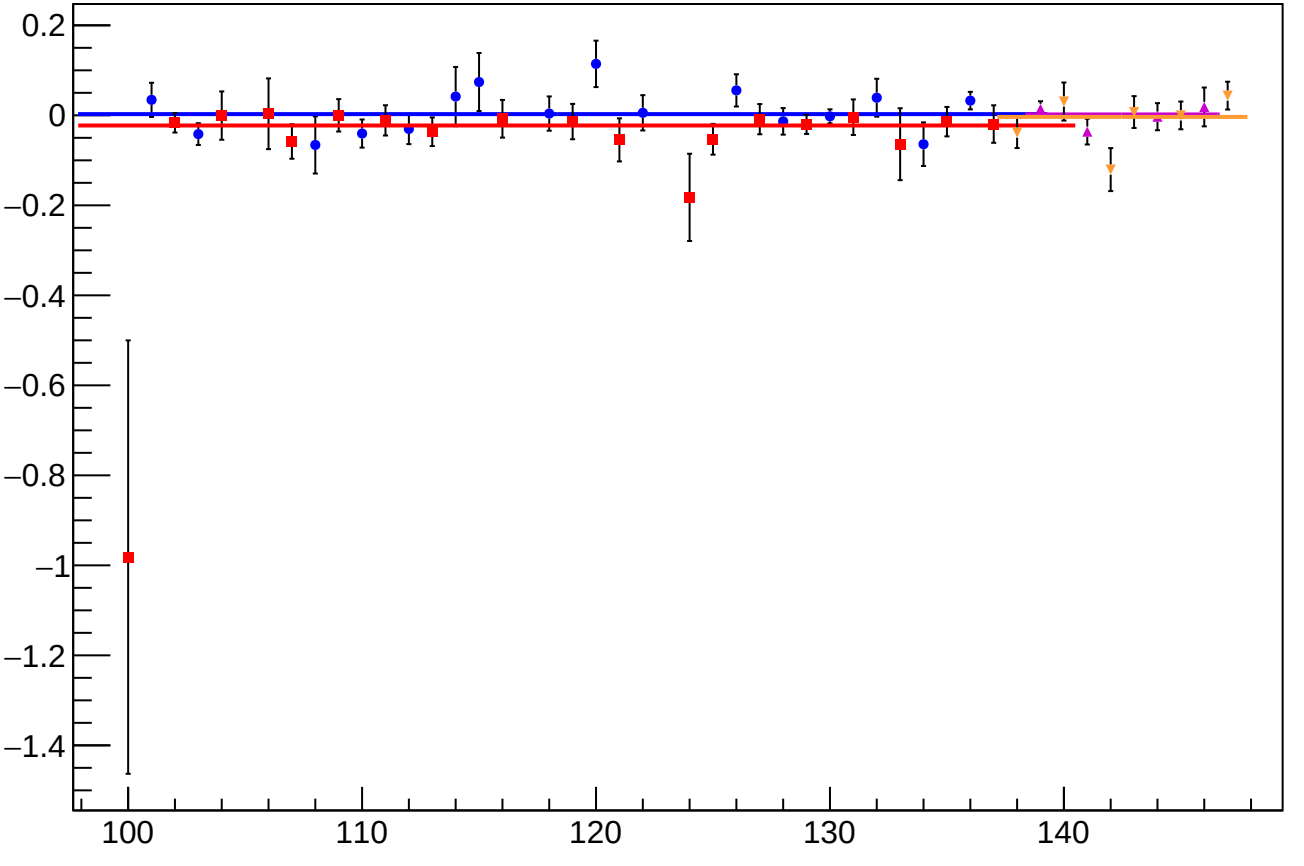
Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:2604445.6/19

Out: 0.000+/-0.000 χ^2/NDF:3378983.3/24

All: 0.000+/-0.000 χ^2/NDF: 6000568.5/44

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.002+/-0.013 χ^2/NDF:2.5/3

Left: -0.000+/-0.010 χ^2/NDF: 12.7/9

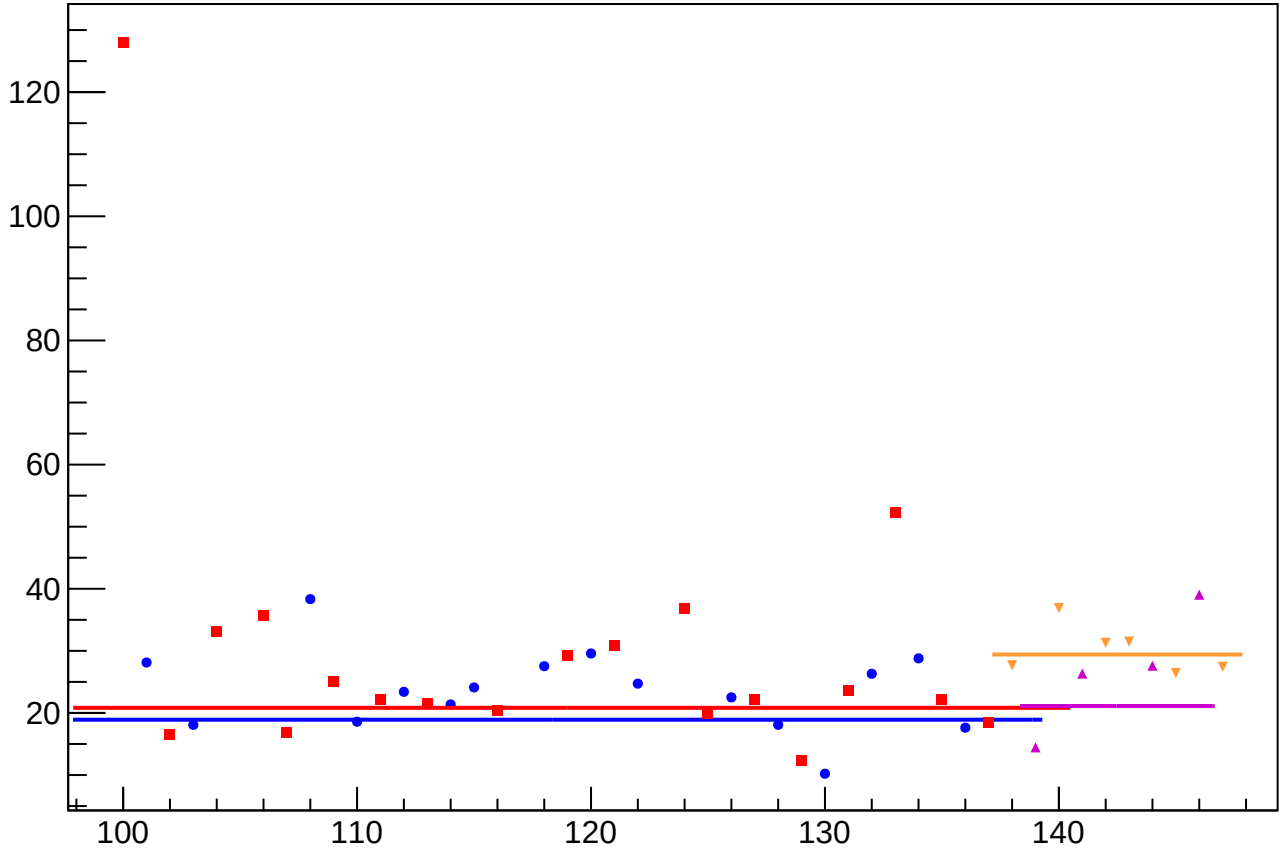
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.4/19

Out: -0.018+/-0.007 χ^2/NDF:22.2/24

All: -0.007+/-0.005 χ^2/NDF: 50.8/44

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 29.414+/-0.010 χ^2/NDF:104294.7/5

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.119+/-0.009 χ^2/NDF:813757.6/3

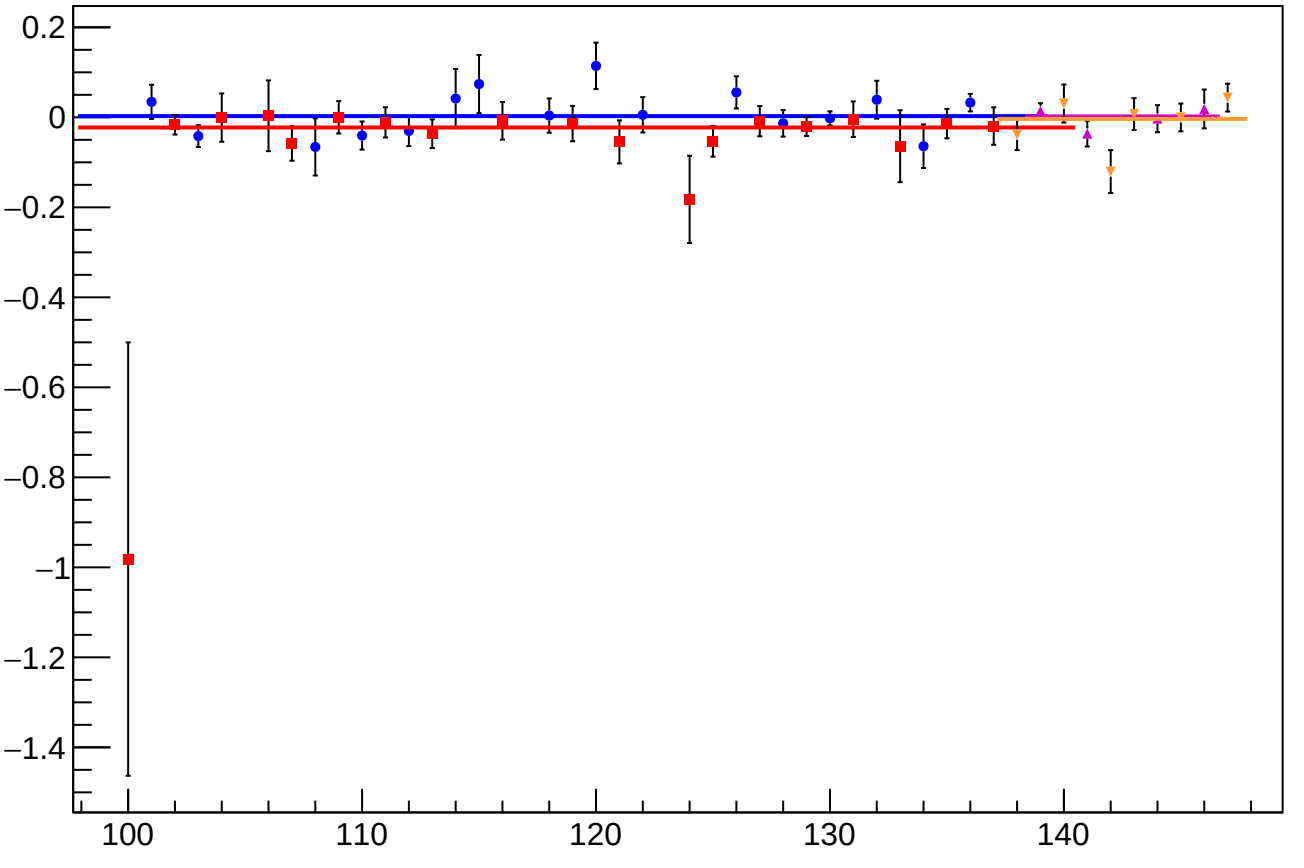
Left: 24.664+/-0.007 χ^2/NDF: 1290990.0/9

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.526+/-0.005 χ^2/NDF:2248707.2/19

Out: 22.995+/-0.005 χ^2/NDF:1917594.1/24

All: 21.093+/-0.003 χ^2/NDF: 4413609.8/44



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.002+/-0.013 χ^2/NDF:2.5/3

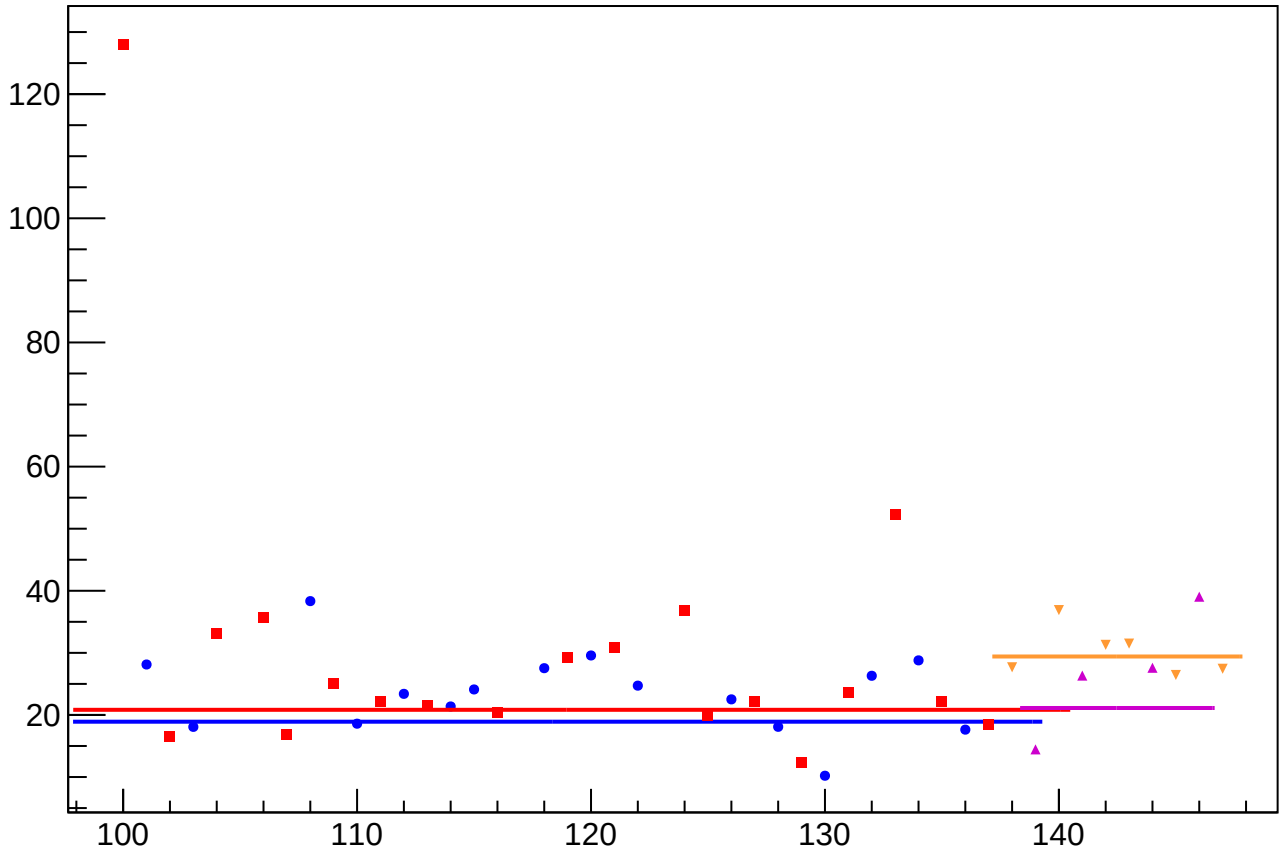
Left: -0.000+/-0.010 χ^2/NDF: 12.7/9

Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.4/19

Out: -0.018+/-0.007 χ^2/NDF:22.2/24

All: -0.007+/-0.005 χ^2/NDF: 50.8/44



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 29.414+/-0.010 χ^2/NDF:104294.7/5

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 21.119+/-0.009 χ^2/NDF:813757.6/3

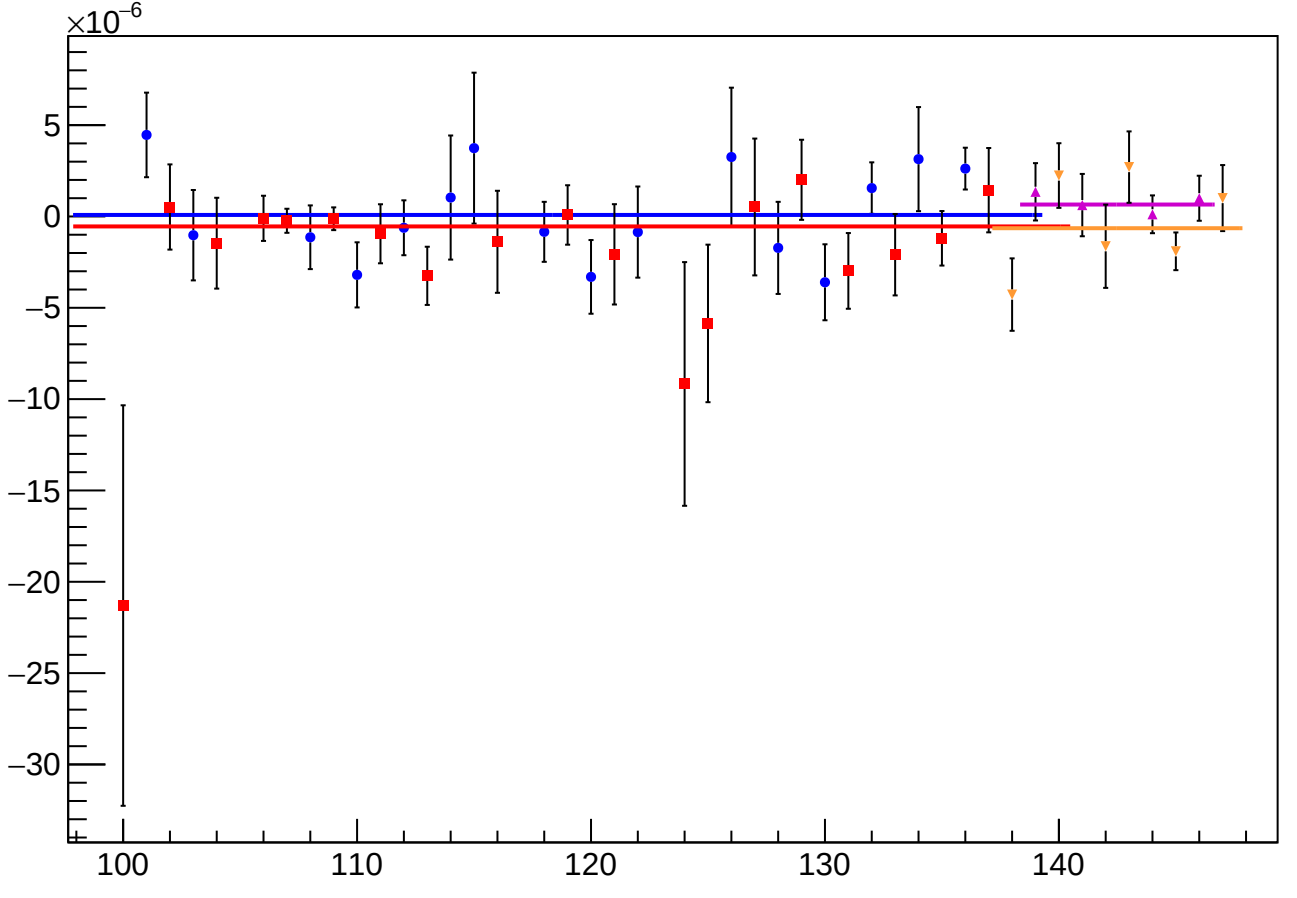
Left: 24.664+/-0.007 χ^2/NDF: 1290990.0/9

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.526+/-0.005 χ^2/NDF:2248707.2/19

Out: 22.995+/-0.005 χ^2/NDF:1917594.1/24

All: 21.093+/-0.003 χ^2/NDF: 4413609.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/5

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:0.5/3

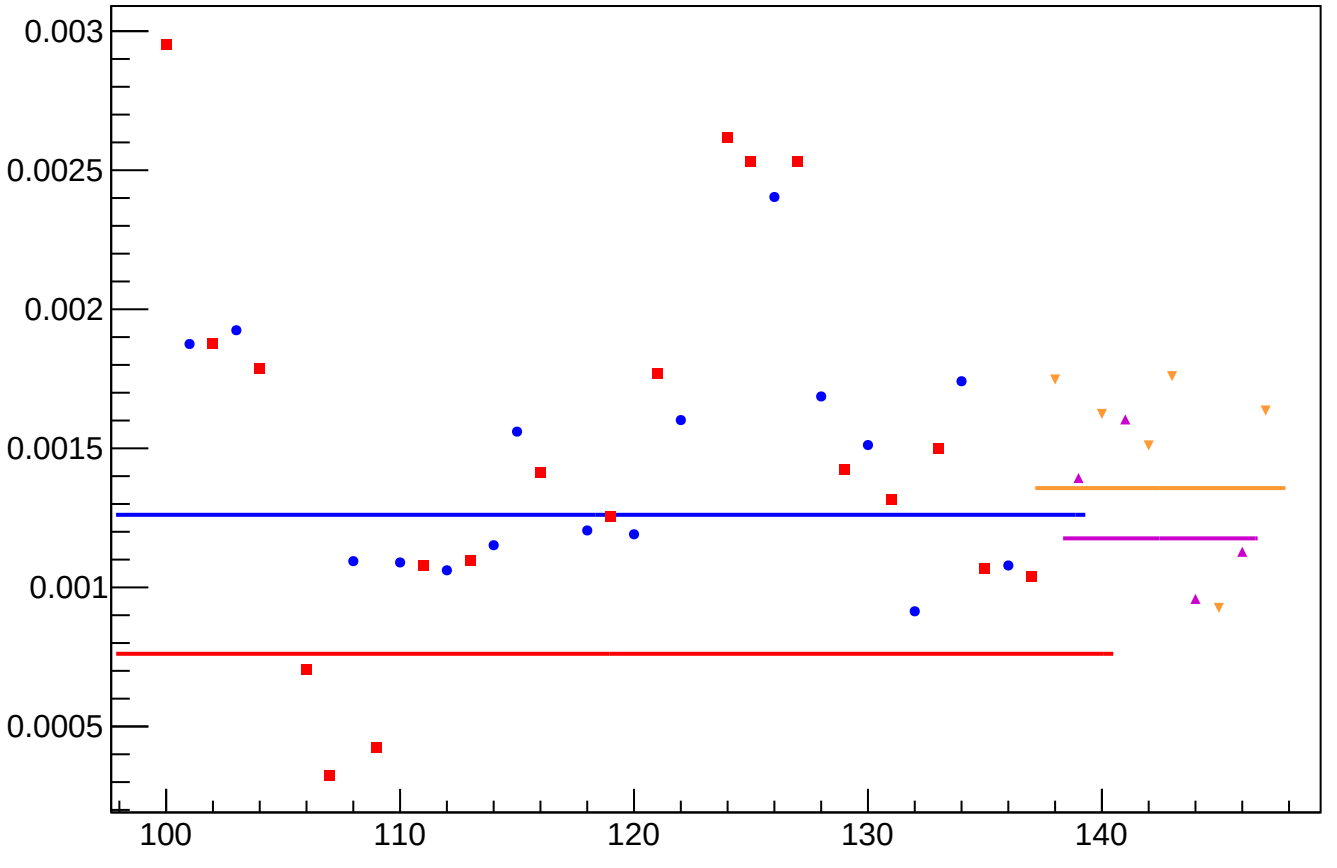
Left: 0.000+/-0.000 χ^2/NDF: 13.9/9

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:24.6/19

Out: -0.000+/-0.000 χ^2/NDF:27.1/24

All: -0.000+/-0.000 χ^2/NDF: 54.7/44



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:612878.9/5

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:255448.0/3

Left: 0.001+/-0.000 χ^2/NDF: 943750.5/9

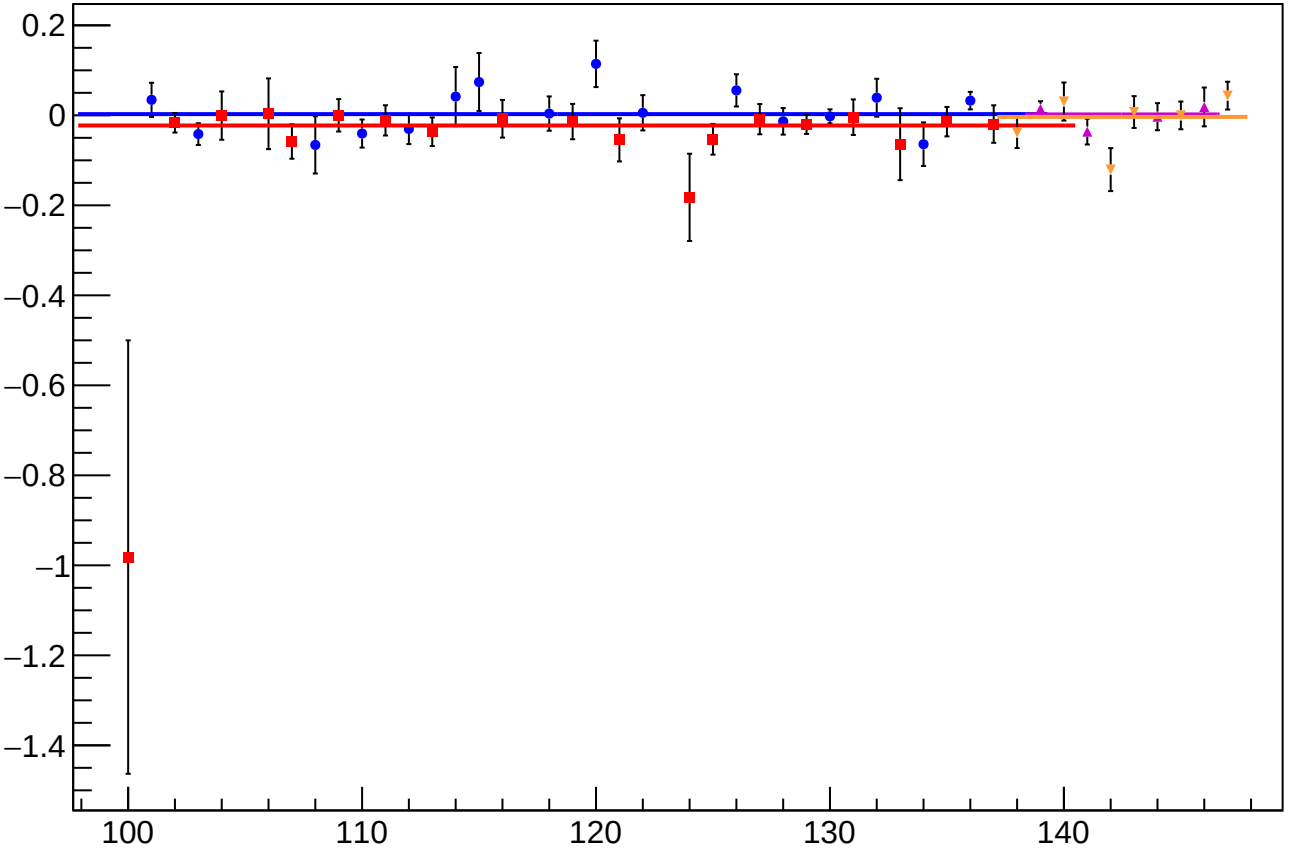
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1184388.5/19

Out: 0.001+/-0.000 χ^2/NDF:6566197.1/24

All: 0.001+/-0.000 χ^2/NDF: 8735908.4/44

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.002+/-0.013 χ^2/NDF:2.5/3

Left: -0.000+/-0.010 χ^2/NDF: 12.7/9

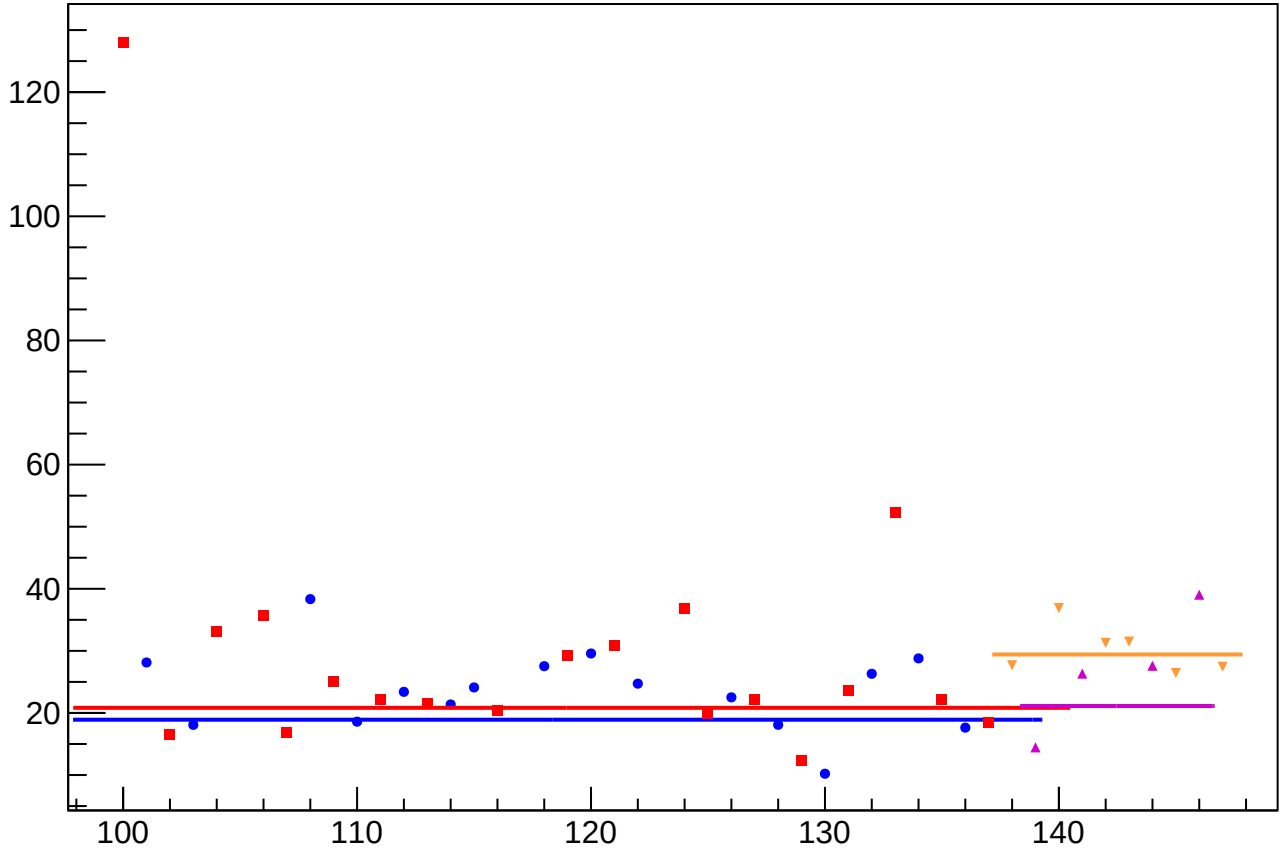
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.4/19

Out: -0.018+/-0.007 χ^2/NDF:22.2/24

All: -0.007+/-0.005 χ^2/NDF: 50.8/44

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: 29.415+/-0.010 χ^2/NDF:104299.3/5

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 21.120+/-0.009 χ^2/NDF:813699.4/3

Left: 24.665+/-0.007 χ^2/NDF: 1290896.1/9

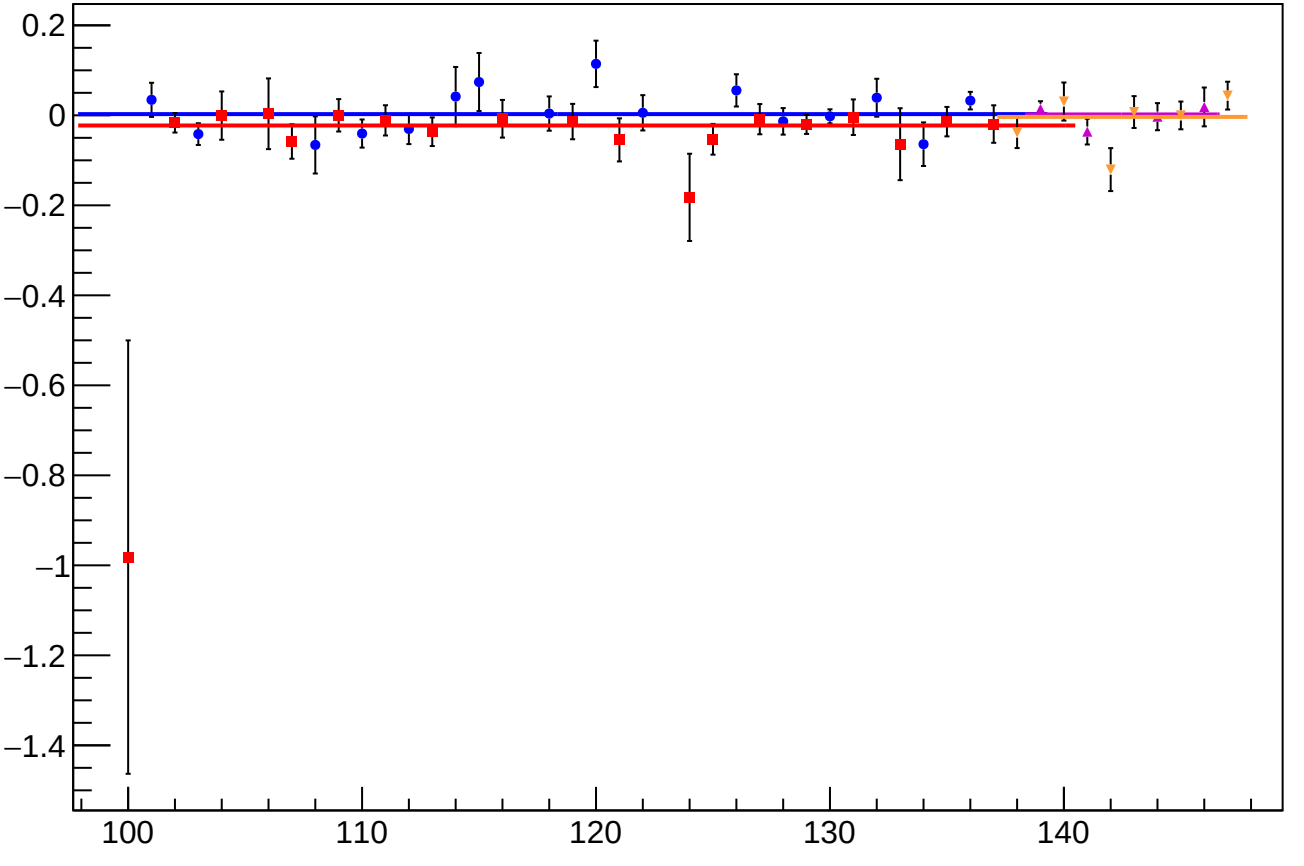
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.527+/-0.005 χ^2/NDF:2248545.3/19

Out: 22.996+/-0.005 χ^2/NDF:1917613.7/24

All: 21.093+/-0.003 χ^2/NDF: 4413427.1/44

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: -0.003+/-0.015 χ^2/NDF:10.1/5

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.002+/-0.013 χ^2/NDF:2.5/3

Left: -0.000+/-0.010 χ^2/NDF: 12.7/9

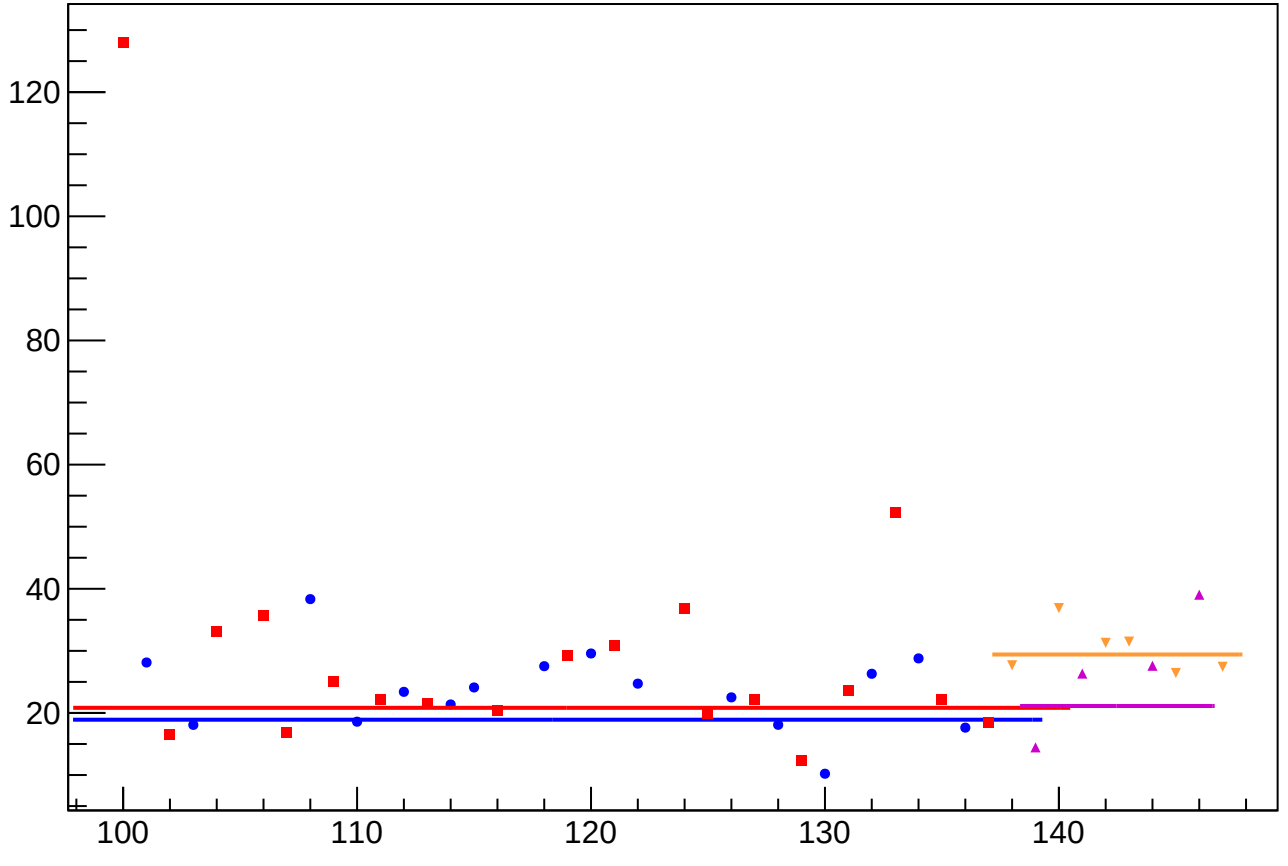
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.002+/-0.007 χ^2/NDF:24.4/19

Out: -0.018+/-0.007 χ^2/NDF:22.2/24

All: -0.007+/-0.005 χ^2/NDF: 50.8/44

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: 29.415+/-0.010 χ^2/NDF:104299.3/5

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 21.120+/-0.009 χ^2/NDF:813699.4/3

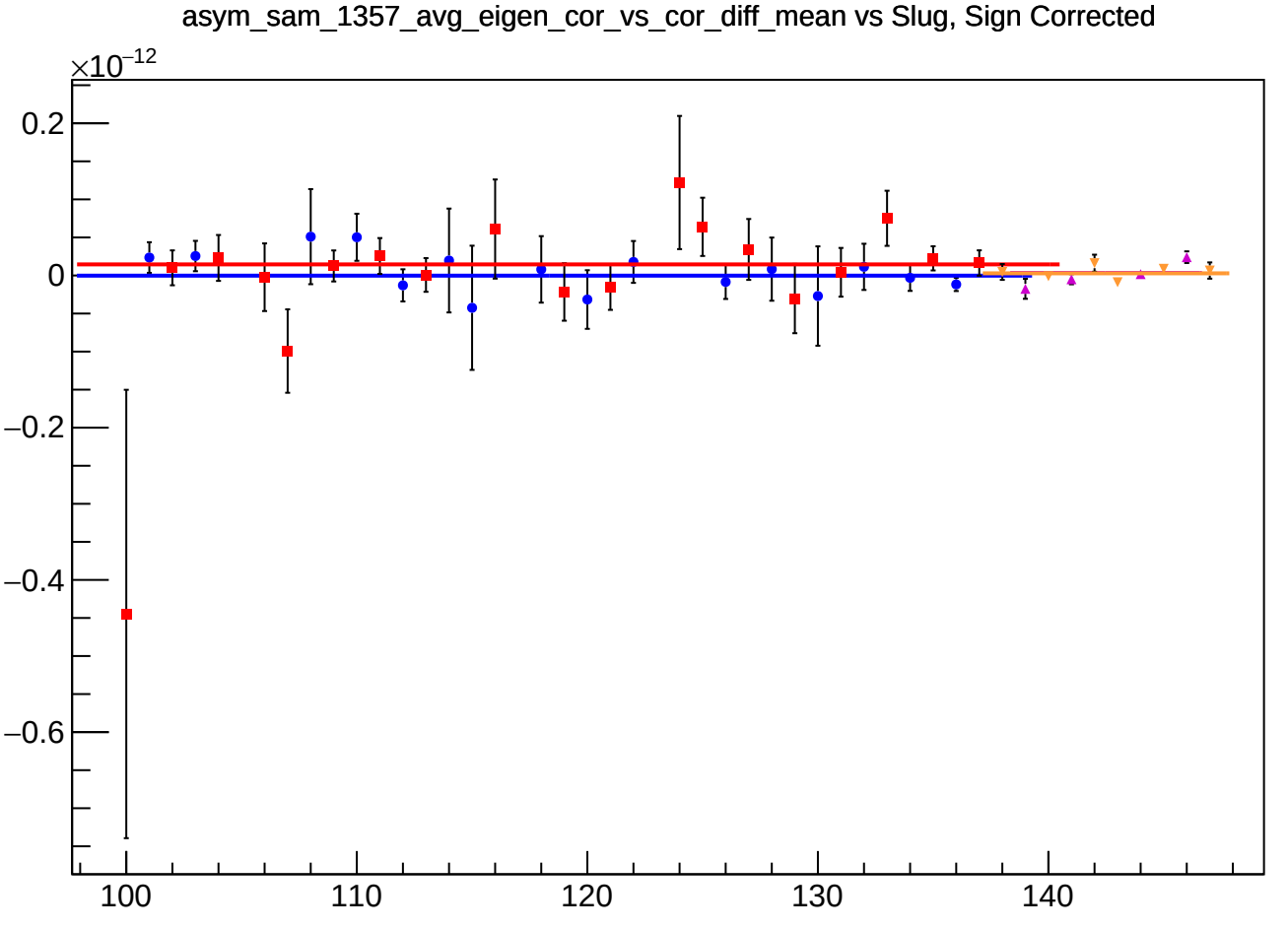
Left: 24.665+/-0.007 χ^2/NDF: 1290896.1/9

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.527+/-0.005 χ^2/NDF:2248545.3/19

Out: 22.996+/-0.005 χ^2/NDF:1917613.7/24

All: 21.093+/-0.003 χ^2/NDF: 4413427.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/3

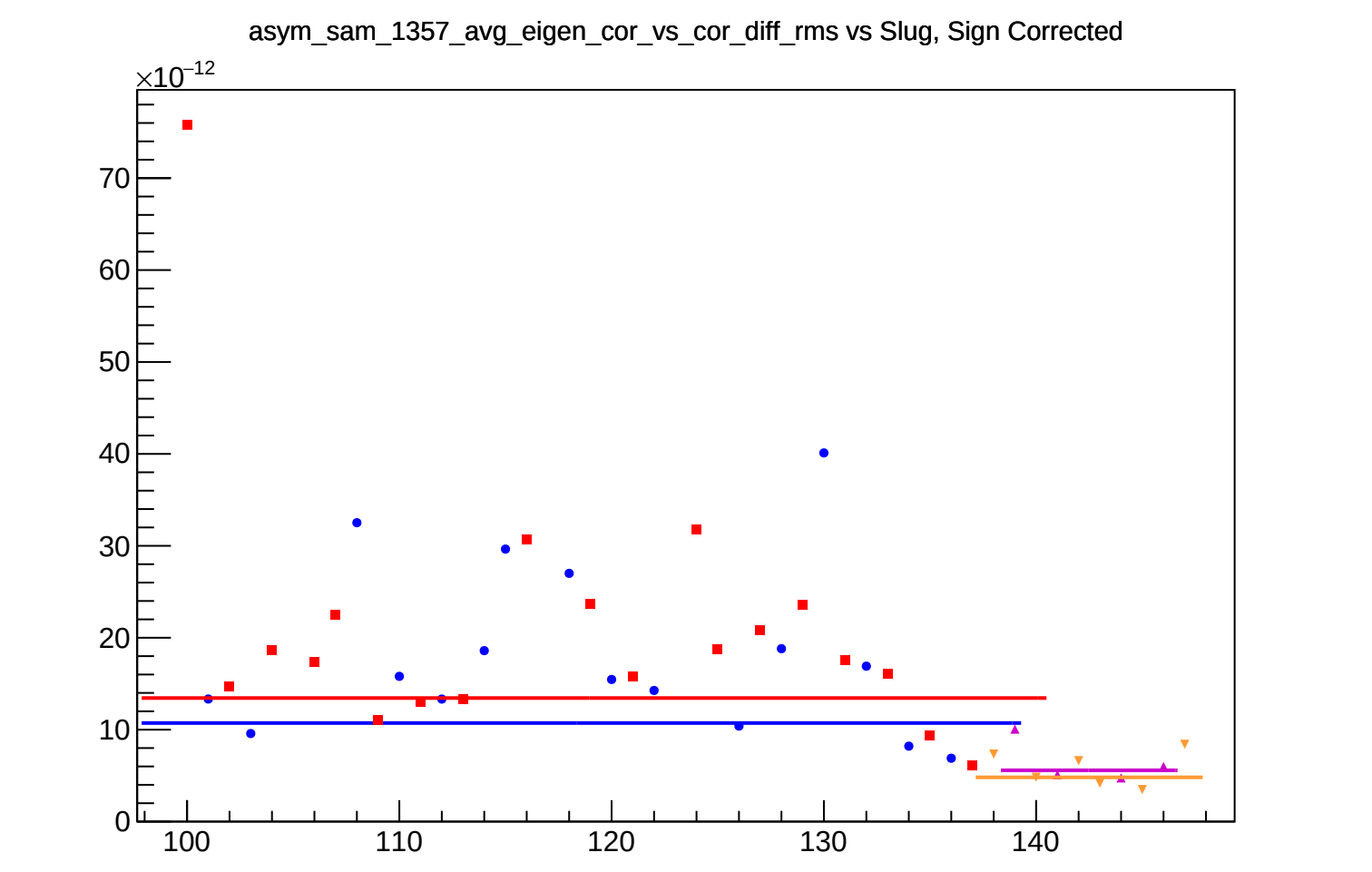
Left: 0.000+/-0.000 χ^2/NDF: 18.3/9

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:22.3/19

Out: 0.000+/-0.000 χ^2/NDF:27.1/24

All: 0.000+/-0.000 χ^2/NDF: 49.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:560029.8/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:286403.4/3

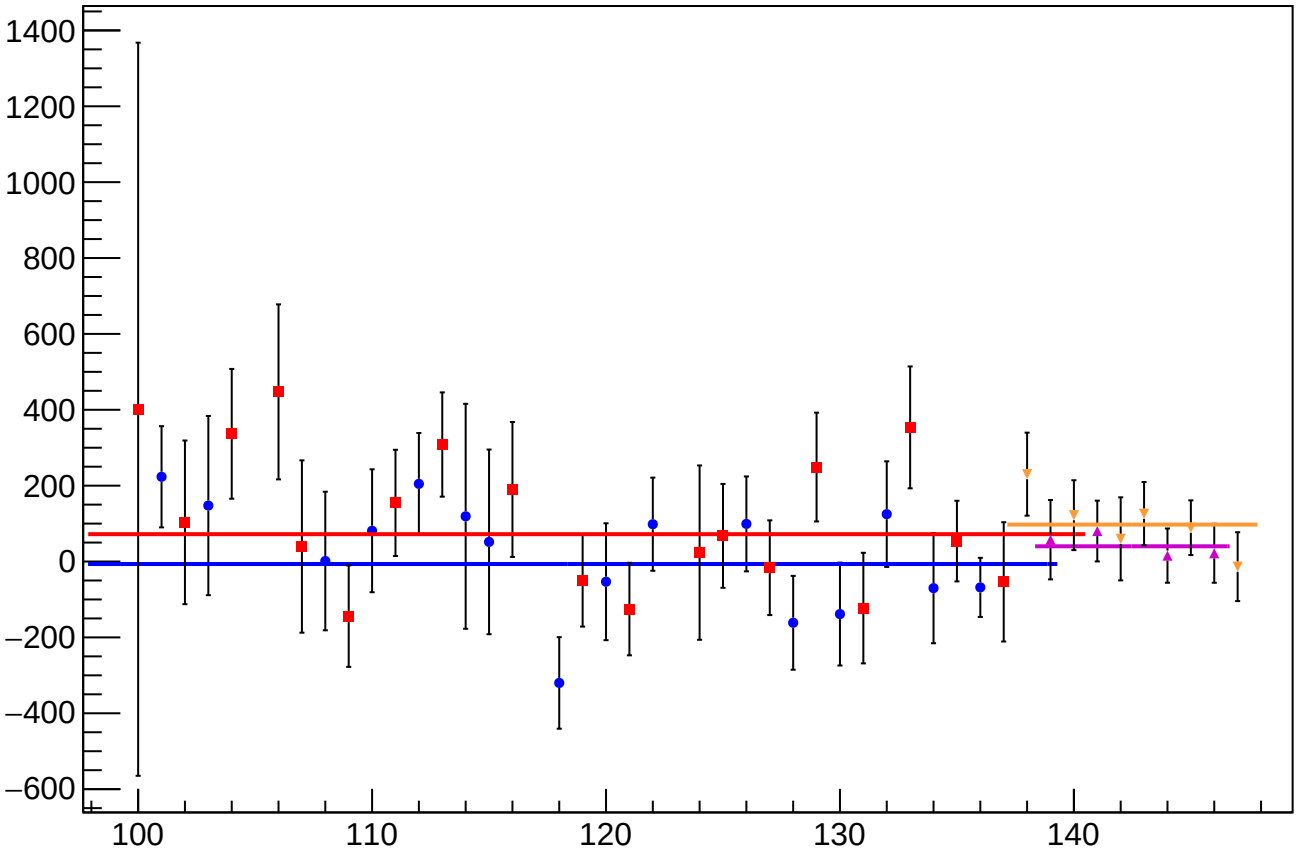
Left: 0.000+/-0.000 χ^2/NDF: 898958.6/9

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:3294172.5/19

Out: 0.000+/-0.000 χ^2/NDF:4869338.8/24

All: 0.000+/-0.000 χ^2/NDF: 8262402.8/44



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.309+/-36.699 χ^2/NDF:3.3/5

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 40.170+/-40.547 χ^2/NDF:0.5/3

Left: 71.579+/-27.209 χ^2/NDF: 4.8/9

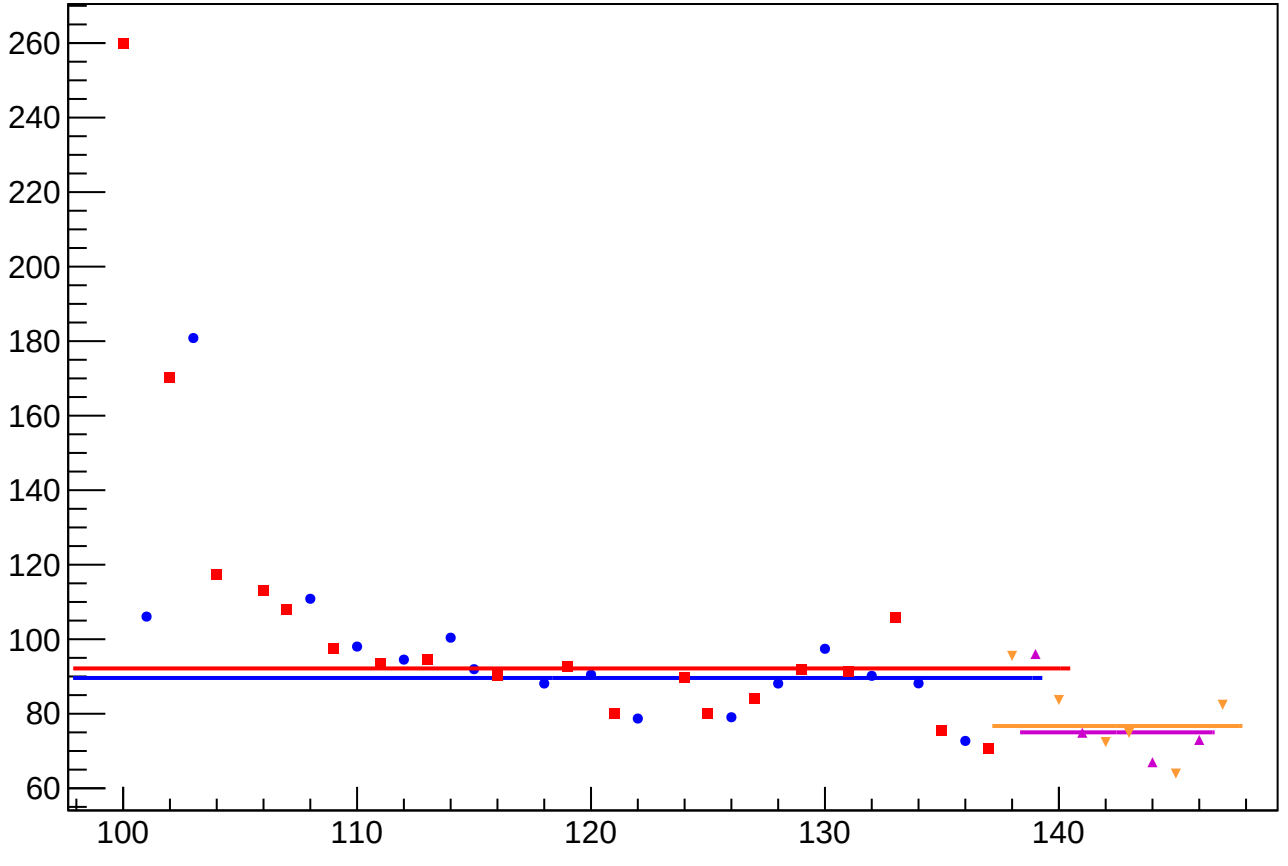
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 12.924+/-26.181 χ^2/NDF:20.2/19

Out: 84.078+/-25.284 χ^2/NDF:26.3/24

All: 49.741+/-18.187 χ^2/NDF: 50.3/44

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.711+/-0.026 χ^2/NDF:145499.1/5

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

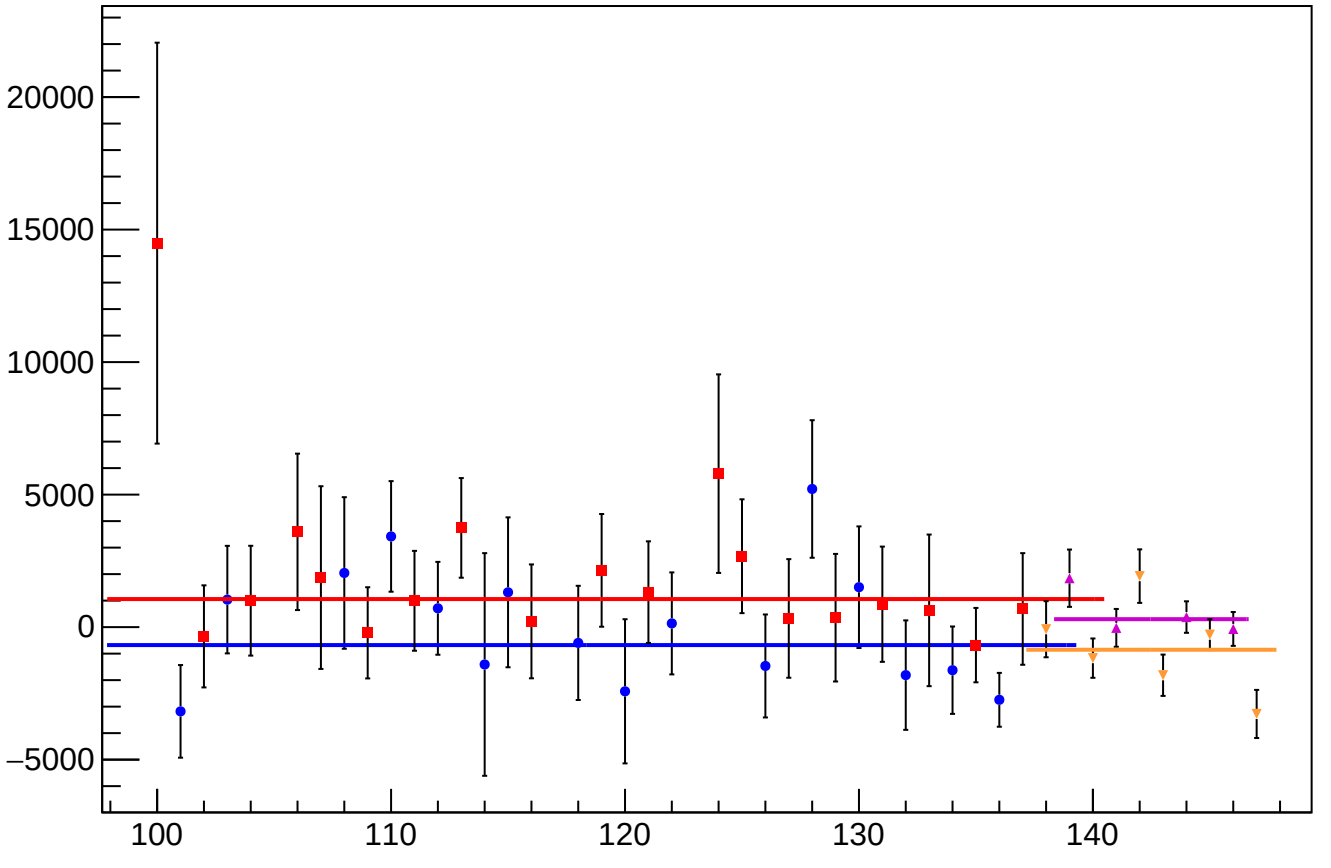
Left: 75.945+/-0.019 χ^2/NDF: 254684.9/9

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 83.519+/-0.019 χ^2/NDF:756693.1/19

Out: 84.828+/-0.018 χ^2/NDF:873800.2/24

All: 84.196+/-0.013 χ^2/NDF: 1633077.2/44



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -853.700+/-324.403 χ^2/NDF:17.9/5

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 300.248+/-351.346 χ^2/NDF:2.6/3

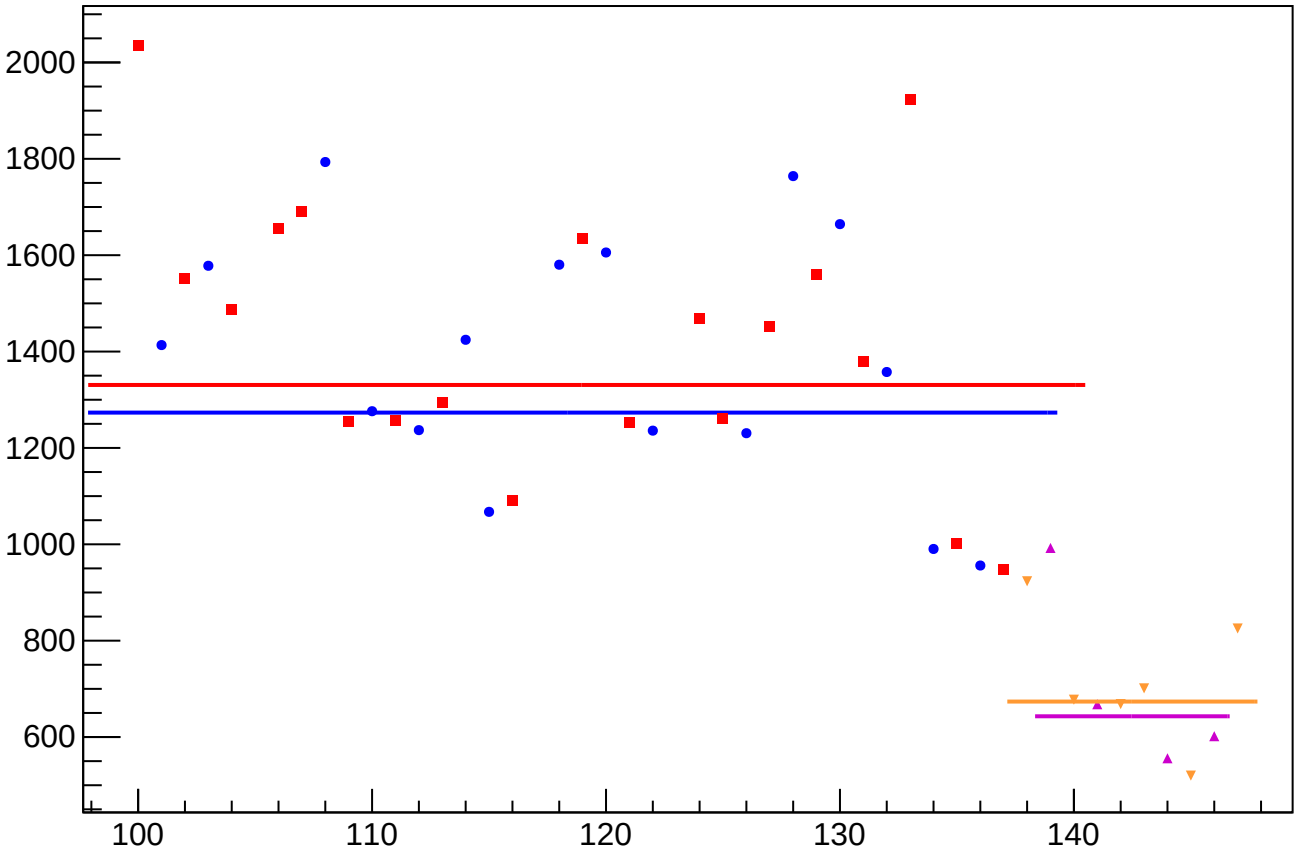
Left: -322.662+/-238.344 χ^2/NDF: 26.3/9

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -34.882+/-284.829 χ^2/NDF:25.5/19

Out: -281.283+/-271.549 χ^2/NDF:39.7/24

All: -163.960+/-196.541 χ^2/NDF: 65.7/44



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 673.642+/-0.229 χ^2/NDF:309115.3/5

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 643.087+/-0.248 χ^2/NDF:262601.4/3

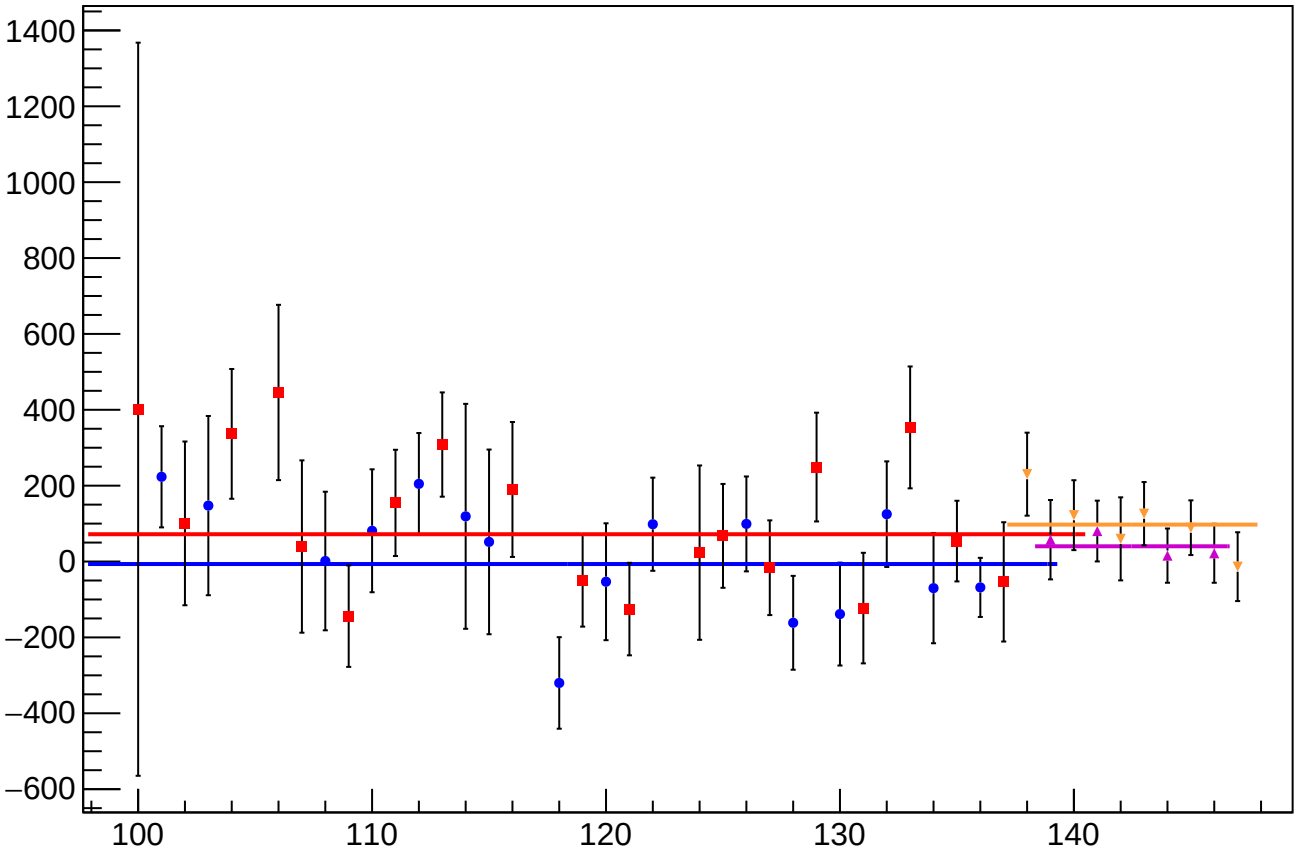
Left: 659.581+/-0.169 χ^2/NDF: 579881.8/9

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 859.131+/-0.201 χ^2/NDF:3066131.7/19

Out: 870.300+/-0.192 χ^2/NDF:3235465.5/24

All: 864.982+/-0.139 χ^2/NDF: 6303208.3/44



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.323+/-36.699 χ^2/NDF:3.3/5

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 40.179+/-40.547 χ^2/NDF:0.5/3

Left: 71.591+/-27.209 χ^2/NDF: 4.8/9

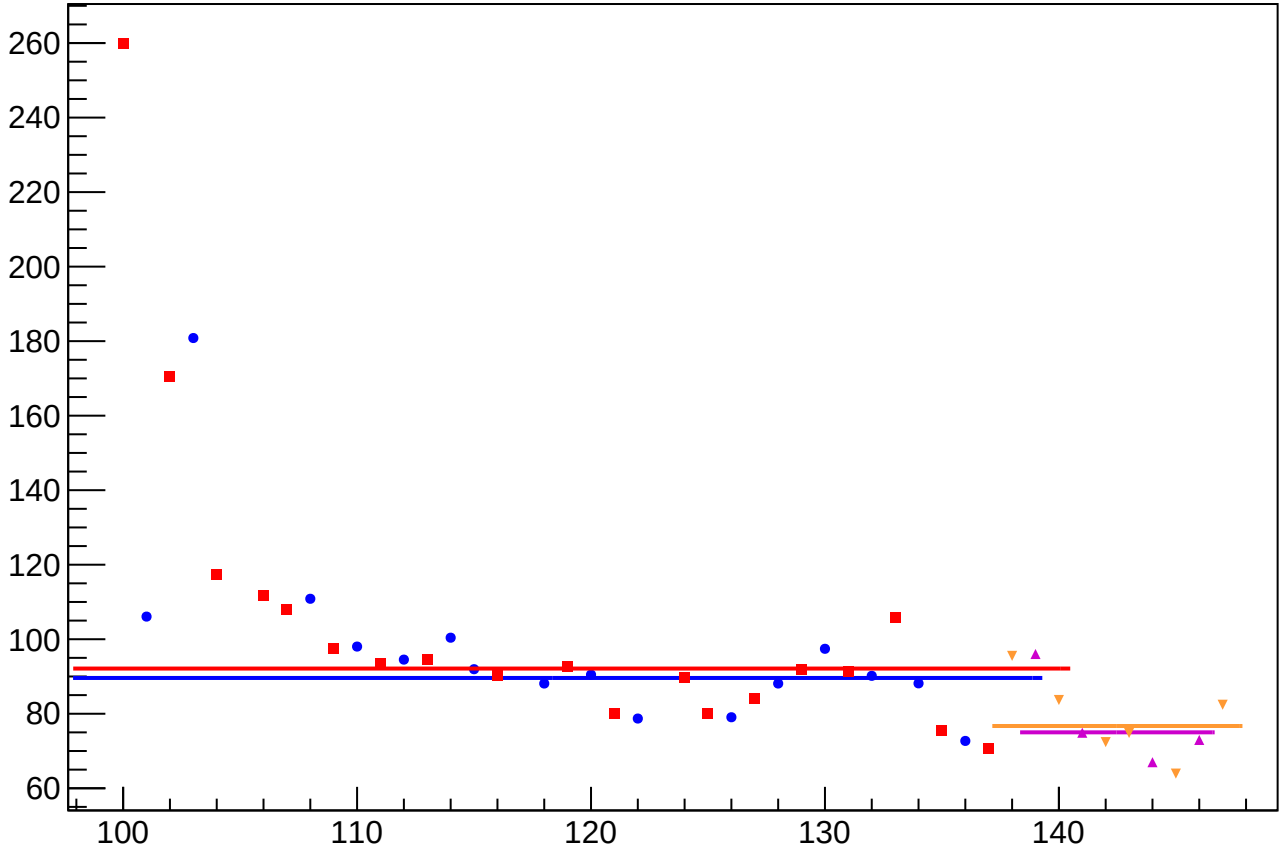
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 12.922+/-26.181 χ^2/NDF:20.2/19

Out: 84.010+/-25.284 χ^2/NDF:26.3/24

All: 49.704+/-18.187 χ^2/NDF: 50.3/44

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.711+/-0.026 χ^2/NDF:145499.1/5

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

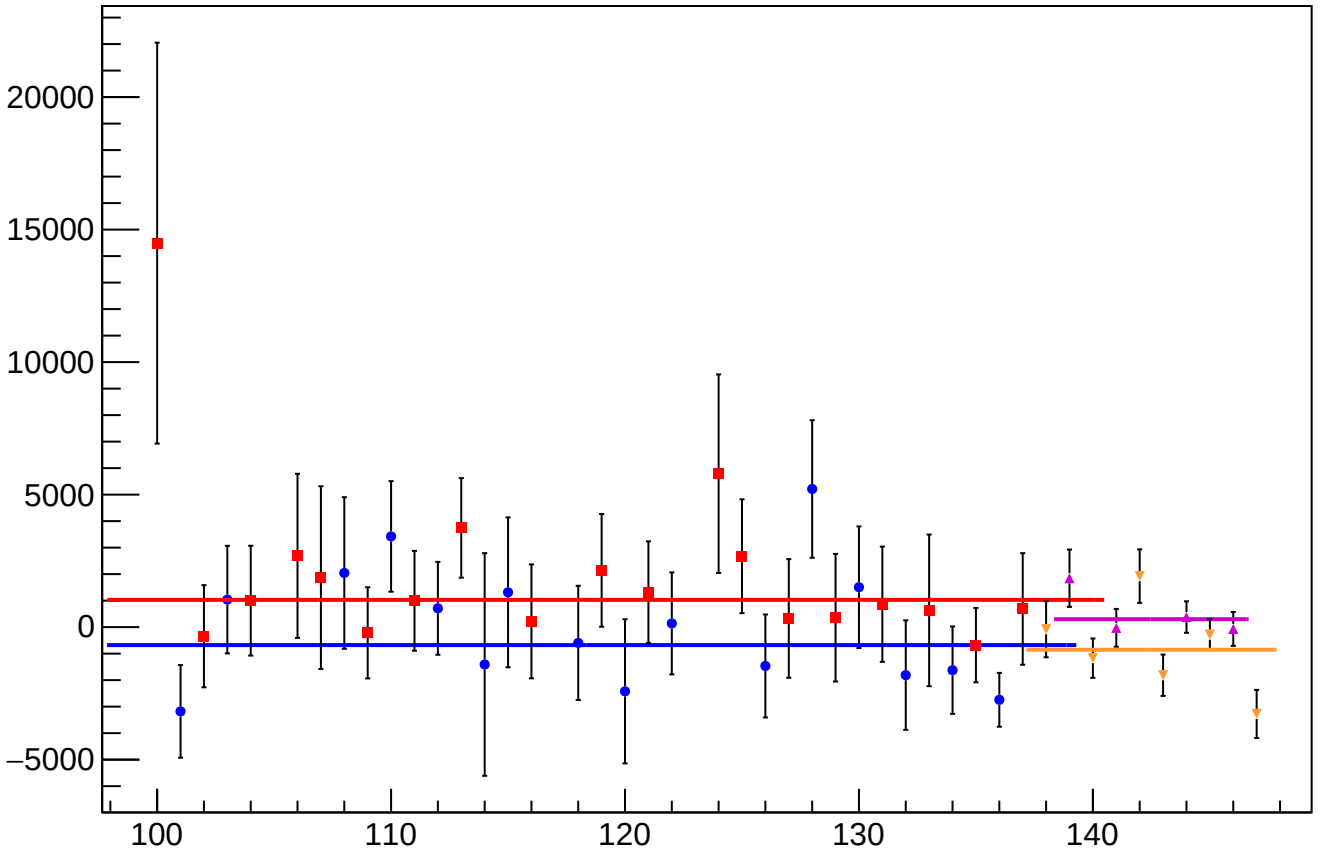
Left: 75.945+/-0.019 χ^2/NDF: 254684.9/9

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 83.519+/-0.019 χ^2/NDF:756696.6/19

Out: 84.811+/-0.018 χ^2/NDF:871259.1/24

All: 84.187+/-0.013 χ^2/NDF: 1630472.4/44



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -853.686+/-324.403 χ^2/NDF:17.9/5

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 300.255+/-351.346 χ^2/NDF:2.6/3

Left: -322.652+/-238.344 χ^2/NDF: 26.3/9

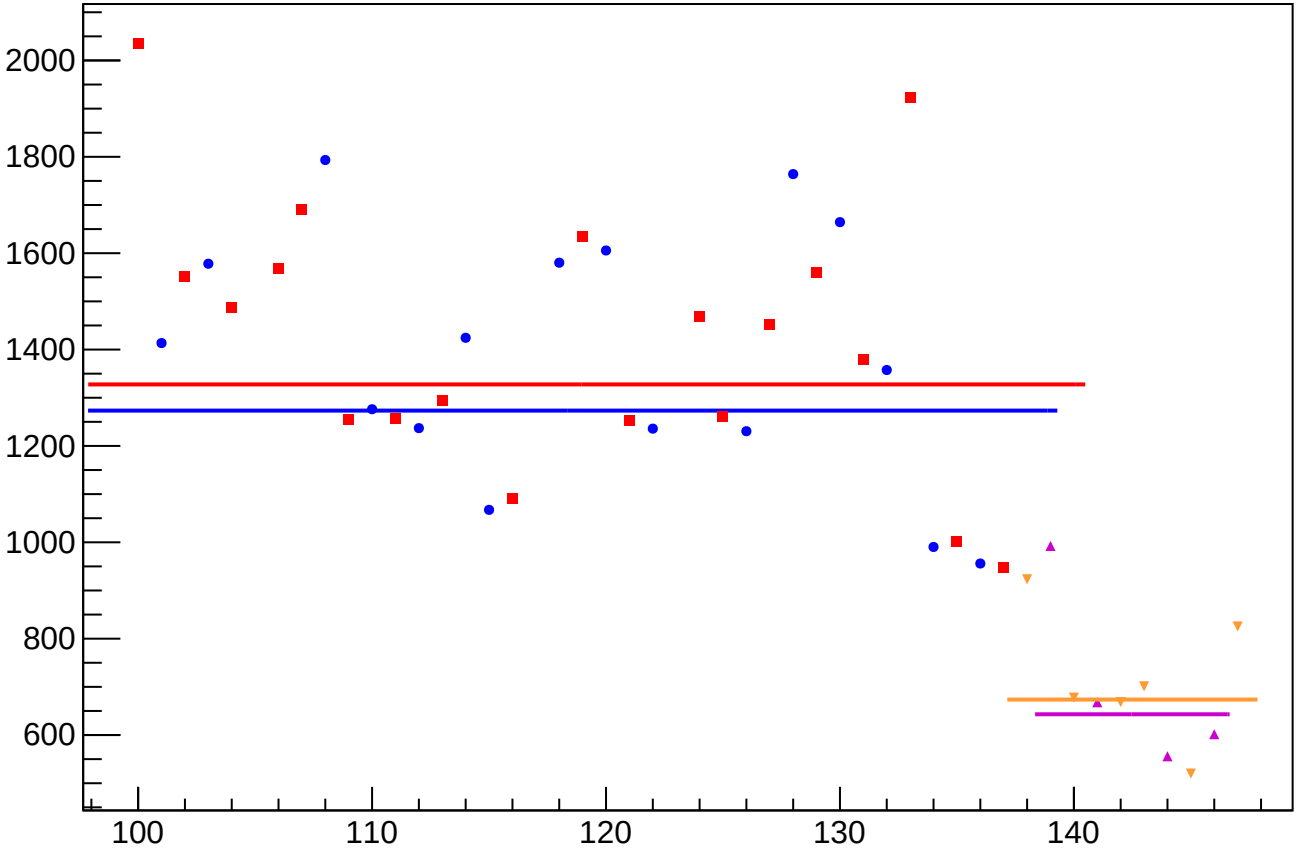
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -34.863+/-284.829 χ^2/NDF:25.5/19

Out: -291.124+/-271.658 χ^2/NDF:38.9/24

All: -169.056+/-196.583 χ^2/NDF: 64.9/44

asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 673.641+/-0.229 χ^2/NDF:309116.1/5

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 643.087+/-0.248 χ^2/NDF:262600.7/3

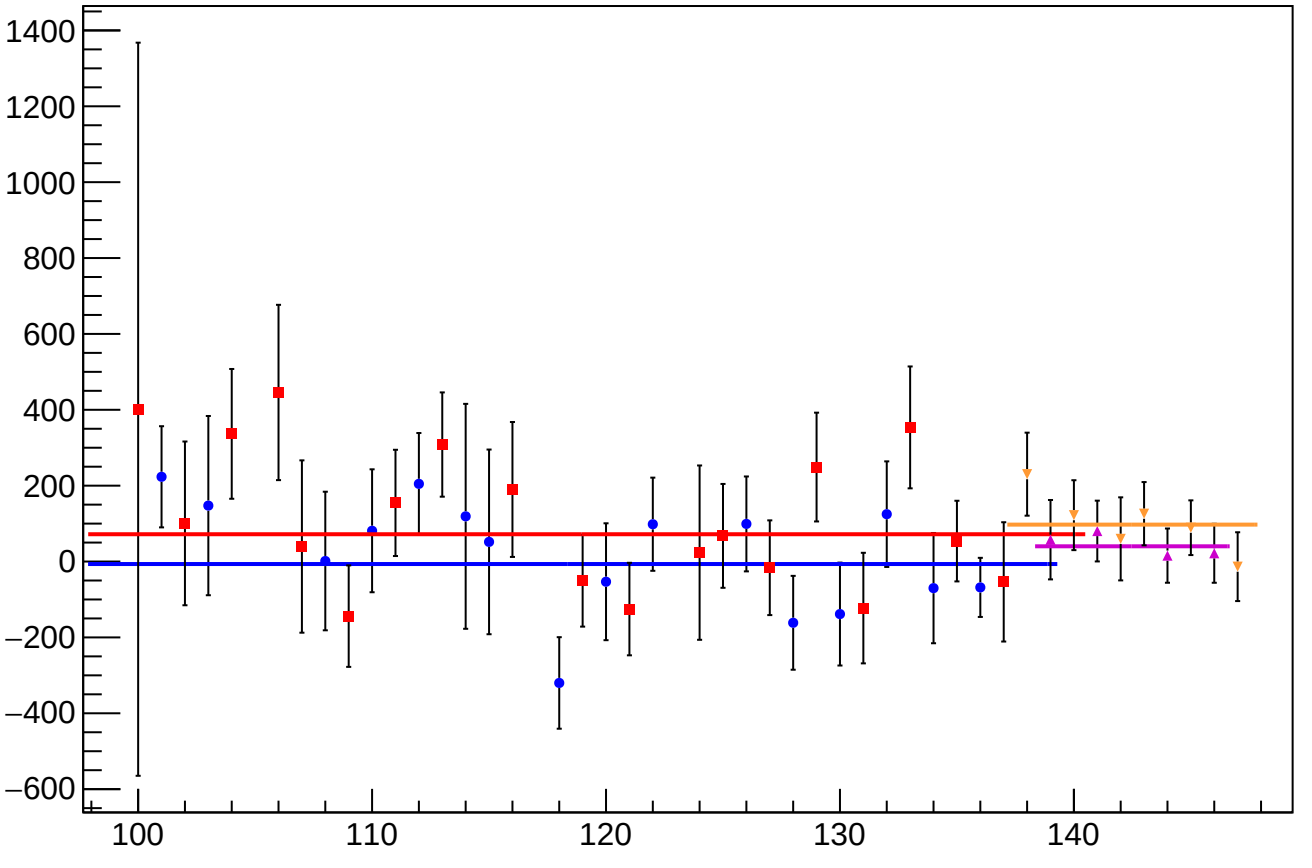
Left: 659.580+/-0.169 χ^2/NDF: 579881.4/9

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 859.131+/-0.201 χ^2/NDF:3066167.4/19

Out: 869.026+/-0.192 χ^2/NDF:3196127.9/24

All: 864.313+/-0.139 χ^2/NDF: 6263559.2/44



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 97.323+/-36.699 χ^2/NDF:3.3/5

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 40.179+/-40.547 χ^2/NDF:0.5/3

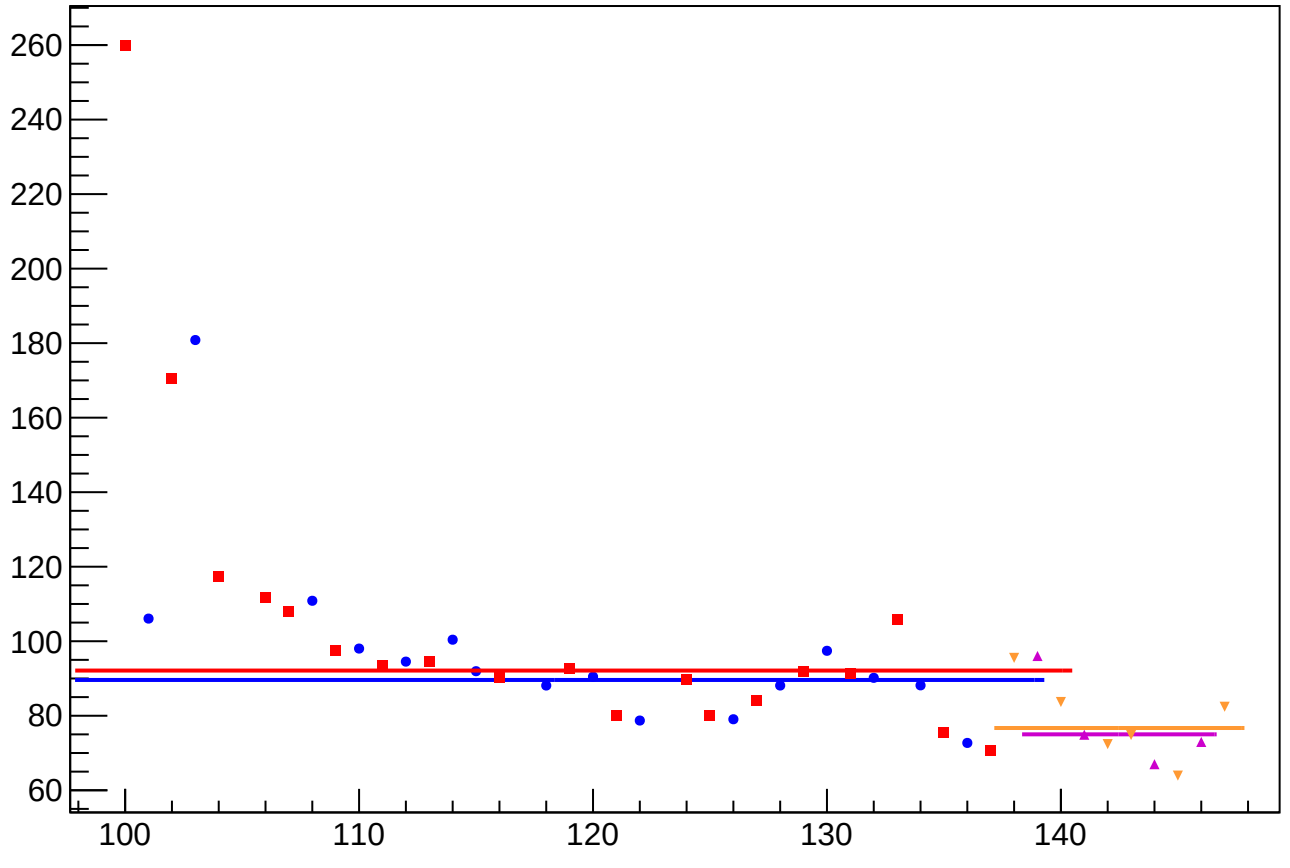
Left: 71.591+/-27.209 χ^2/NDF: 4.8/9

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 12.922+/-26.181 χ^2/NDF:20.2/19

Out: 84.010+/-25.284 χ^2/NDF:26.3/24

All: 49.704+/-18.187 χ^2/NDF: 50.3/44



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.711+/-0.026 χ^2/NDF:145499.1/5

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.010+/-0.029 χ^2/NDF:107251.8/3

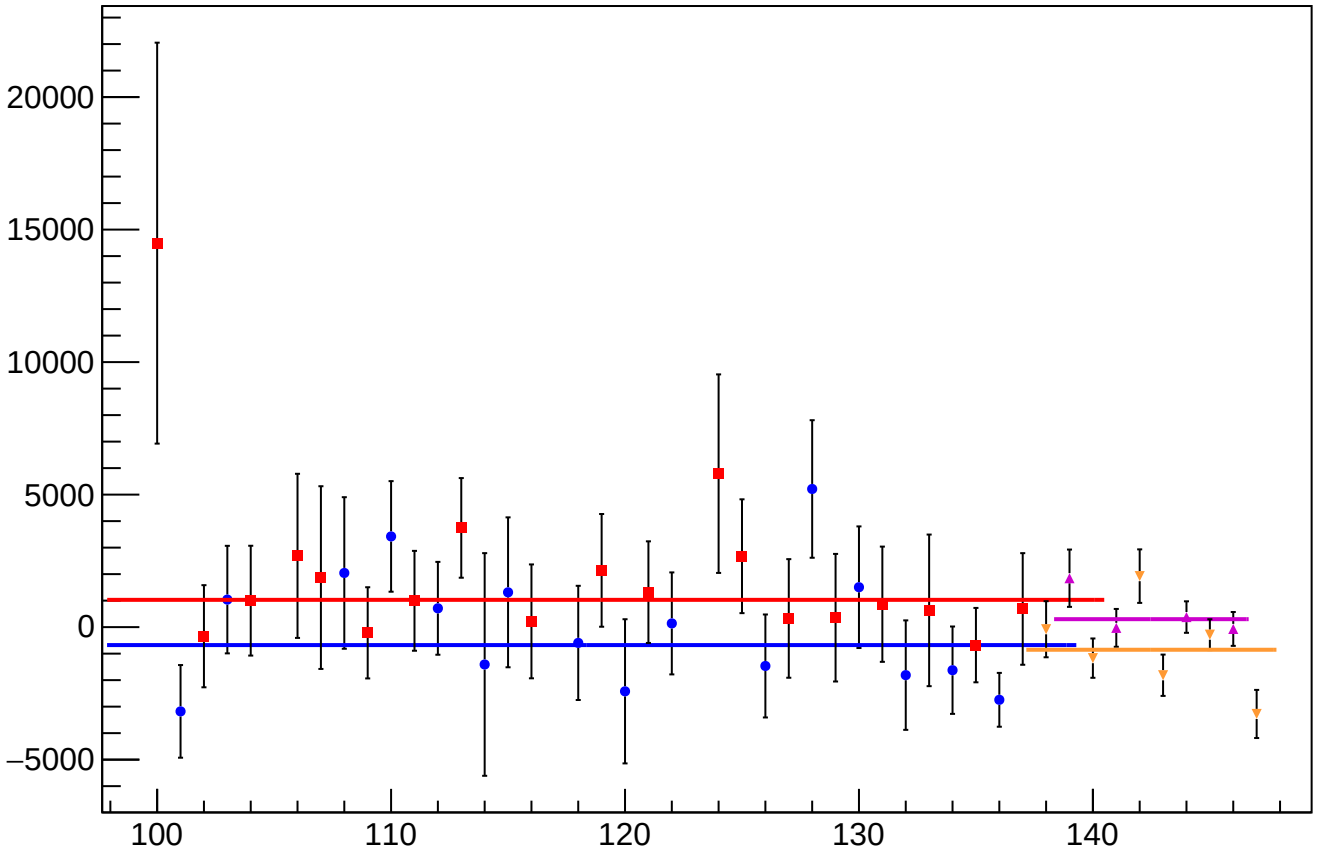
Left: 75.945+/-0.019 χ^2/NDF: 254684.9/9

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 83.519+/-0.019 χ^2/NDF:756696.6/19

Out: 84.811+/-0.018 χ^2/NDF:871259.1/24

All: 84.187+/-0.013 χ^2/NDF: 1630472.4/44



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -853.686+/-324.403 χ^2/NDF:17.9/5

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 300.255+/-351.346 χ^2/NDF:2.6/3

Left: -322.652+/-238.344 χ^2/NDF: 26.3/9

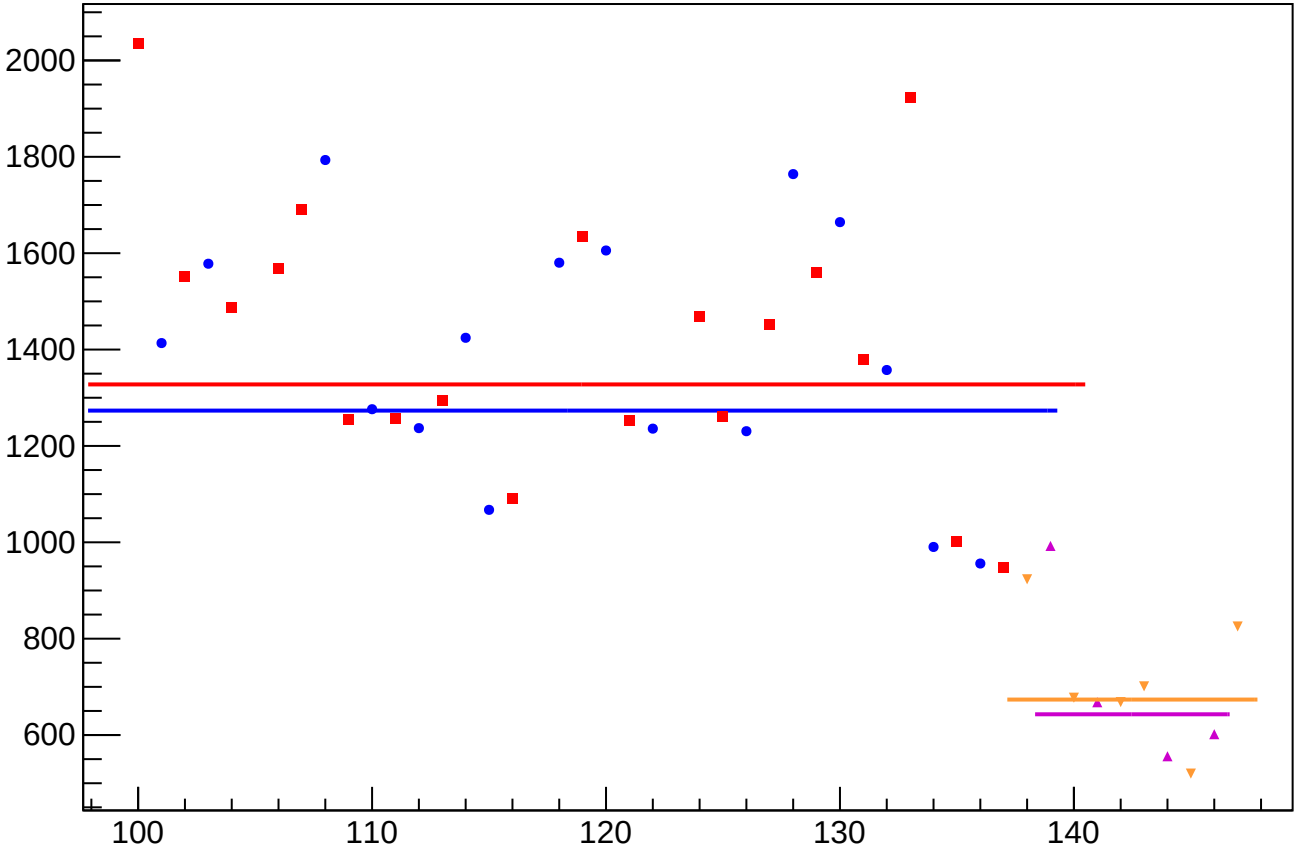
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -34.863+/-284.829 χ^2/NDF:25.5/19

Out: -291.124+/-271.658 χ^2/NDF:38.9/24

All: -169.056+/-196.583 χ^2/NDF: 64.9/44

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 673.641+/-0.229 χ^2/NDF:309116.1/5

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 643.087+/-0.248 χ^2/NDF:262600.7/3

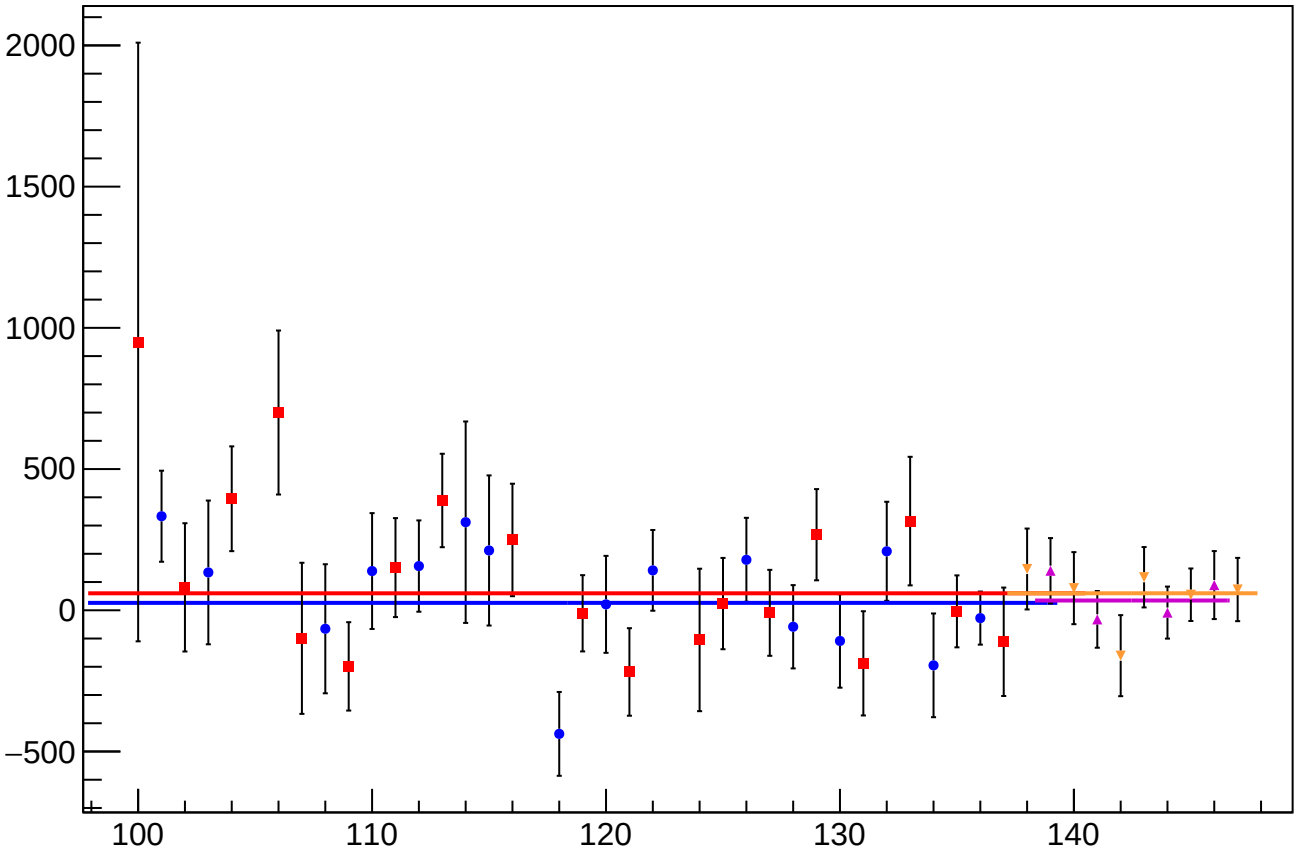
Left: 659.580+/-0.169 χ^2/NDF: 579881.4/9

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 859.131+/-0.201 χ^2/NDF:3066167.4/19

Out: 869.026+/-0.192 χ^2/NDF:3196127.9/24

All: 864.313+/-0.139 χ^2/NDF: 6263559.2/44



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 60.223+/-47.582 χ^2/NDF:3.1/5

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 34.600+/-52.636 χ^2/NDF:1.7/3

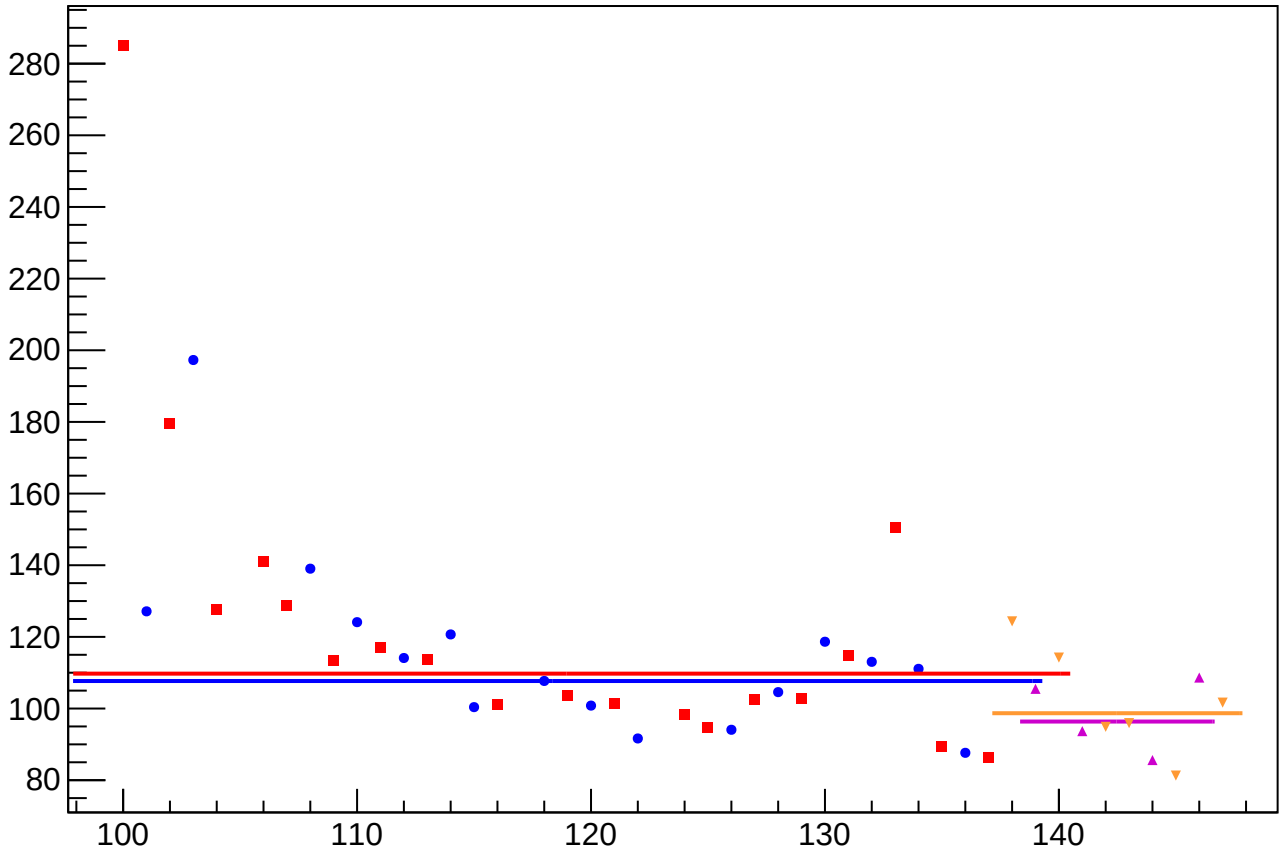
Left: 48.701+/-35.297 χ^2/NDF: 4.9/9

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 29.425+/-32.453 χ^2/NDF:23.1/19

Out: 60.164+/-31.288 χ^2/NDF:30.0/24

All: 45.356+/-22.524 χ^2/NDF: 53.6/44



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 98.694+/-0.034 χ^2/NDF:167927.8/5

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 96.367+/-0.037 χ^2/NDF:61939.8/3

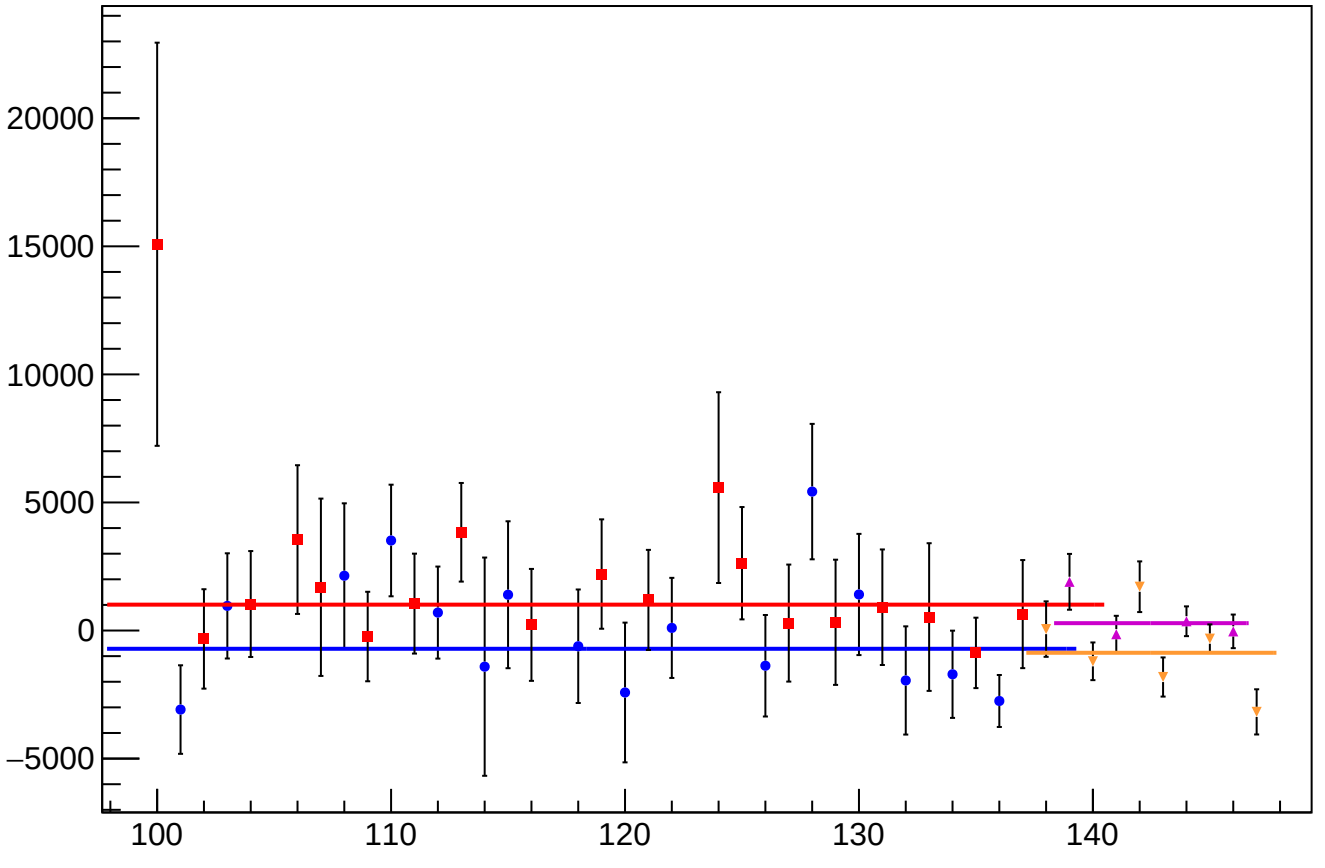
Left: 97.648+/-0.025 χ^2/NDF: 232018.5/9

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 103.379+/-0.023 χ^2/NDF:602330.0/19

Out: 104.964+/-0.022 χ^2/NDF:720888.6/24

All: 104.200+/-0.016 χ^2/NDF: 1325688.7/44



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -868.747+/-317.087 χ^2/NDF:17.1/5

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 287.588+/-351.977 χ^2/NDF:2.8/3

Left: -350.716+/-235.586 χ^2/NDF: 25.8/9

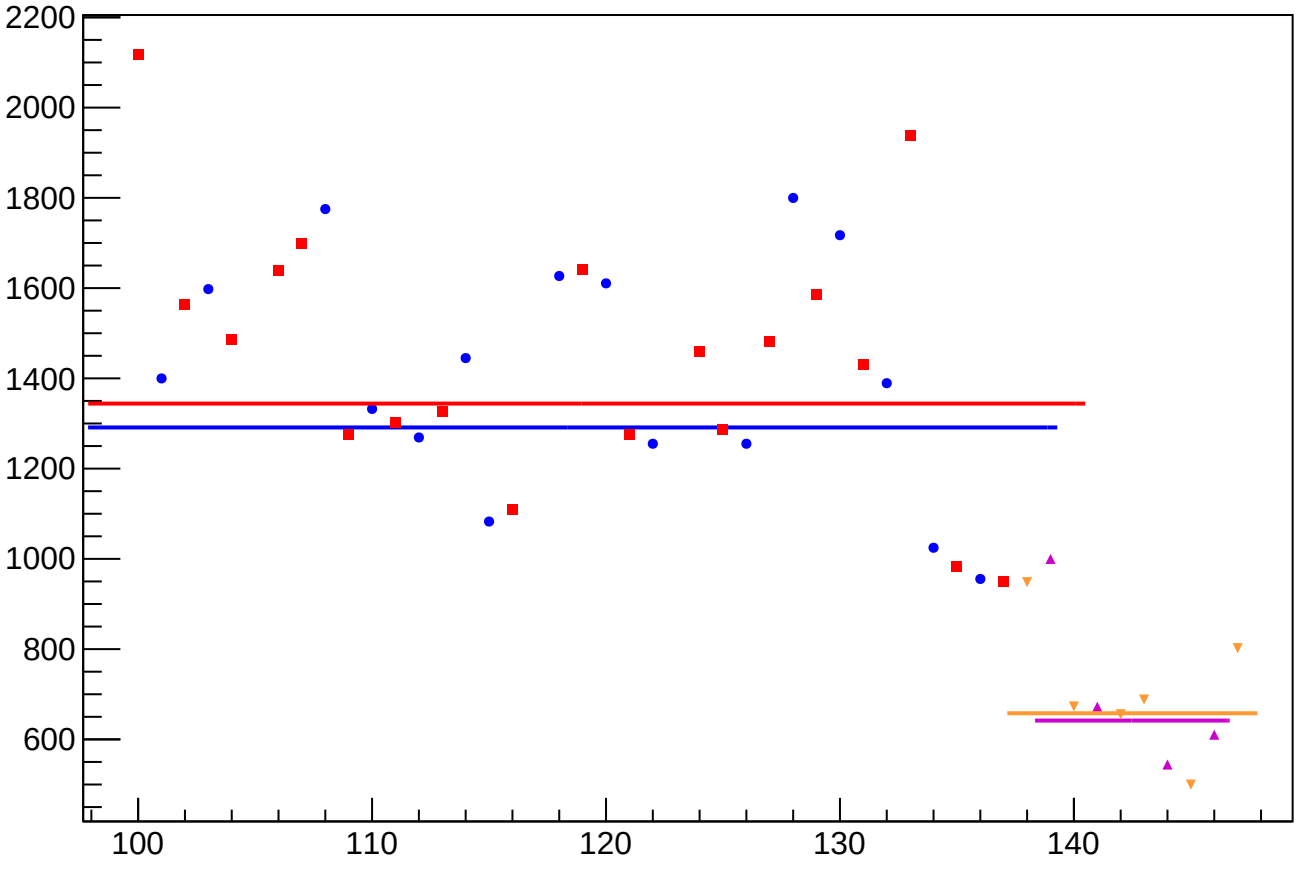
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -49.970+/-286.511 χ^2/NDF:25.6/19

Out: -331.827+/-267.990 χ^2/NDF:38.9/24

All: -200.302+/-195.718 χ^2/NDF: 65.0/44

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: 657.877+/-0.224 χ^2/NDF:362683.2/5

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 641.725+/-0.249 χ^2/NDF:280550.6/3

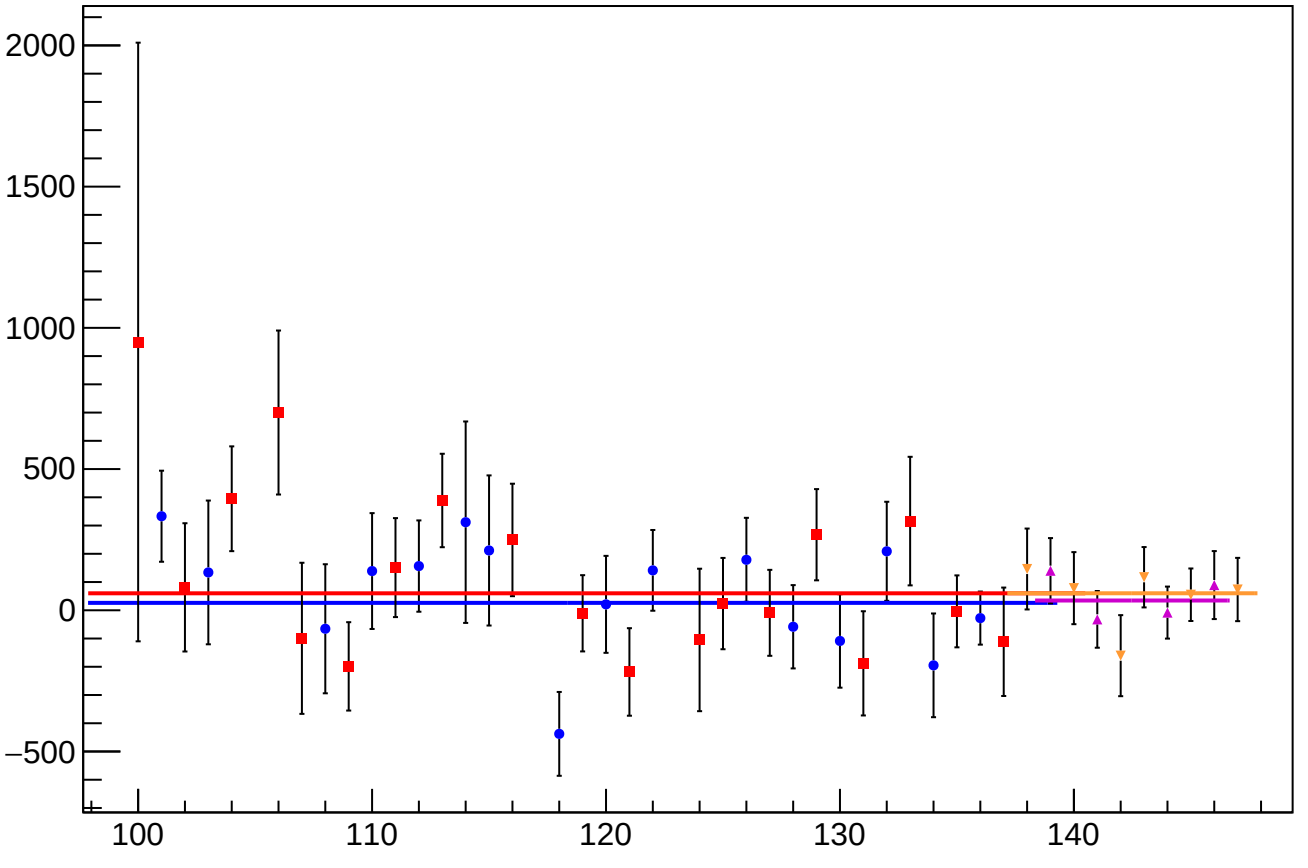
Left: 650.641+/-0.167 χ^2/NDF: 645558.5/9

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 860.864+/-0.203 χ^2/NDF:3189178.0/19

Out: 853.937+/-0.189 χ^2/NDF:3529978.1/24

All: 857.170+/-0.138 χ^2/NDF: 6719779.7/44



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 60.222+/-47.582 χ^2/NDF:3.1/5

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 34.600+/-52.636 χ^2/NDF:1.7/3

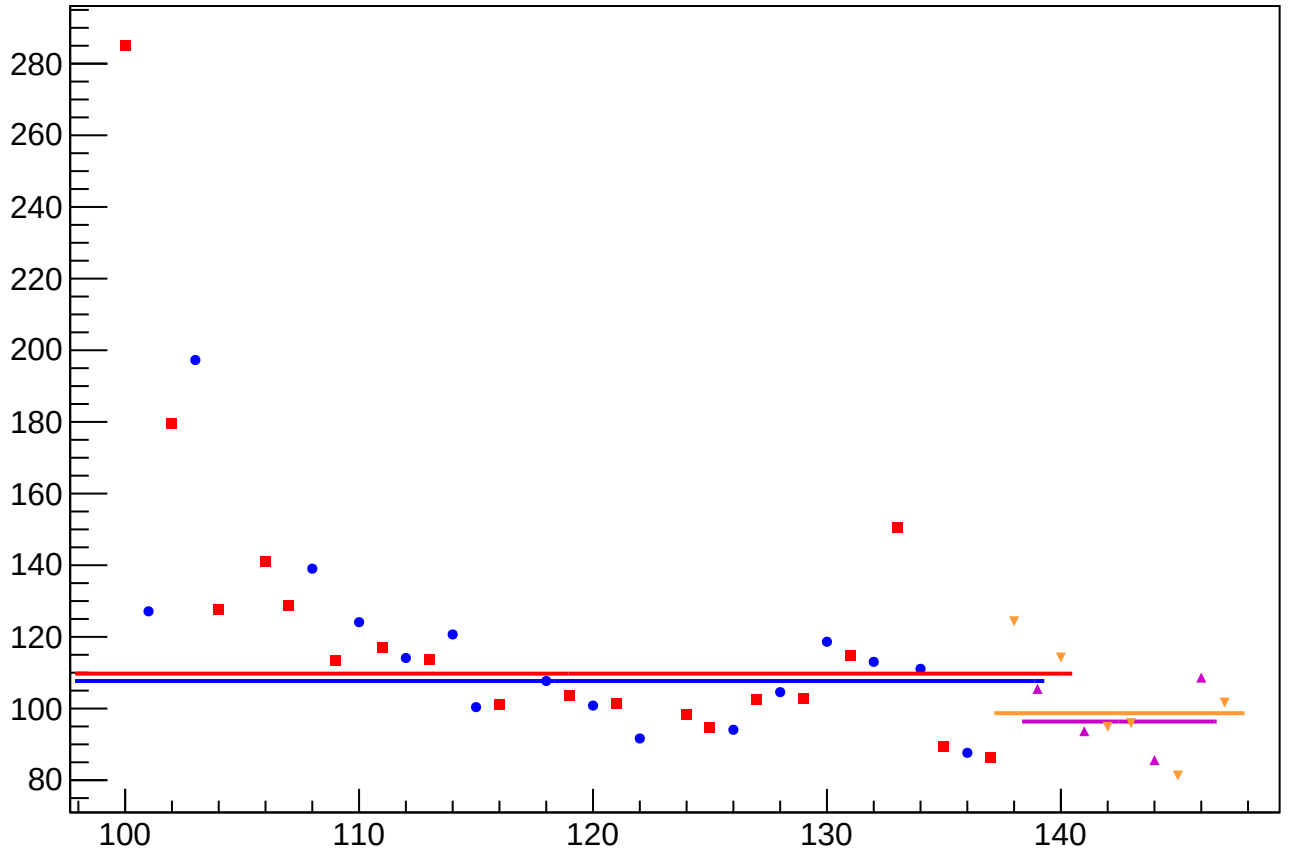
Left: 48.700+/-35.297 χ^2/NDF: 4.9/9

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 29.425+/-32.453 χ^2/NDF:23.1/19

Out: 60.163+/-31.287 χ^2/NDF:30.0/24

All: 45.356+/-22.524 χ^2/NDF: 53.6/44



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 98.695+/-0.034 χ^2/NDF:167914.3/5

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 96.368+/-0.037 χ^2/NDF:61937.8/3

Left: 97.648+/-0.025 χ^2/NDF: 232003.2/9

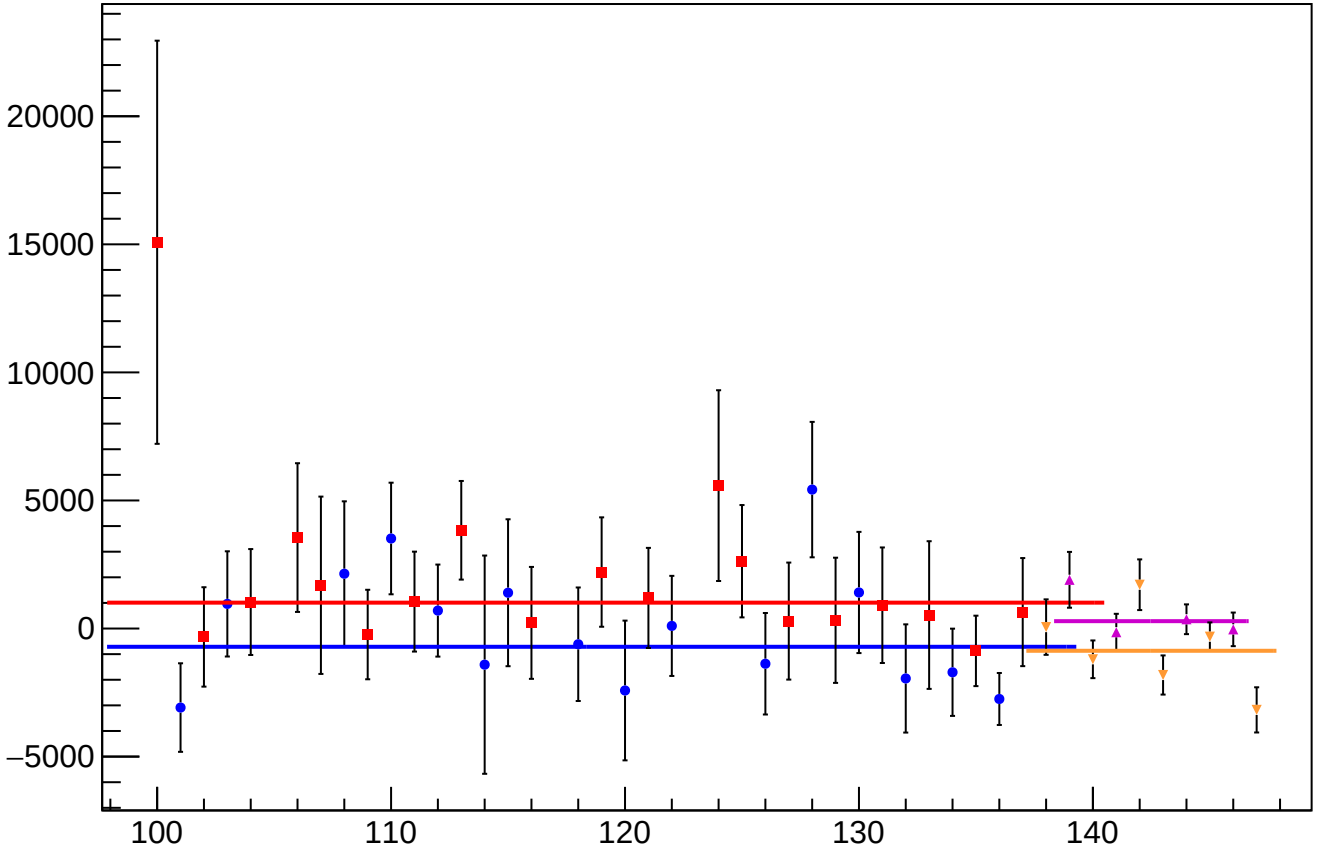
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 103.379+/-0.023 χ^2/NDF:602303.5/19

Out: 104.964+/-0.022 χ^2/NDF:720859.9/24

All: 104.200+/-0.016 χ^2/NDF: 1325634.0/44

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: -868.748+/-317.086 χ^2/NDF:17.1/5

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 287.588+/-351.976 χ^2/NDF:2.8/3

Left: -350.717+/-235.586 χ^2/NDF: 25.8/9

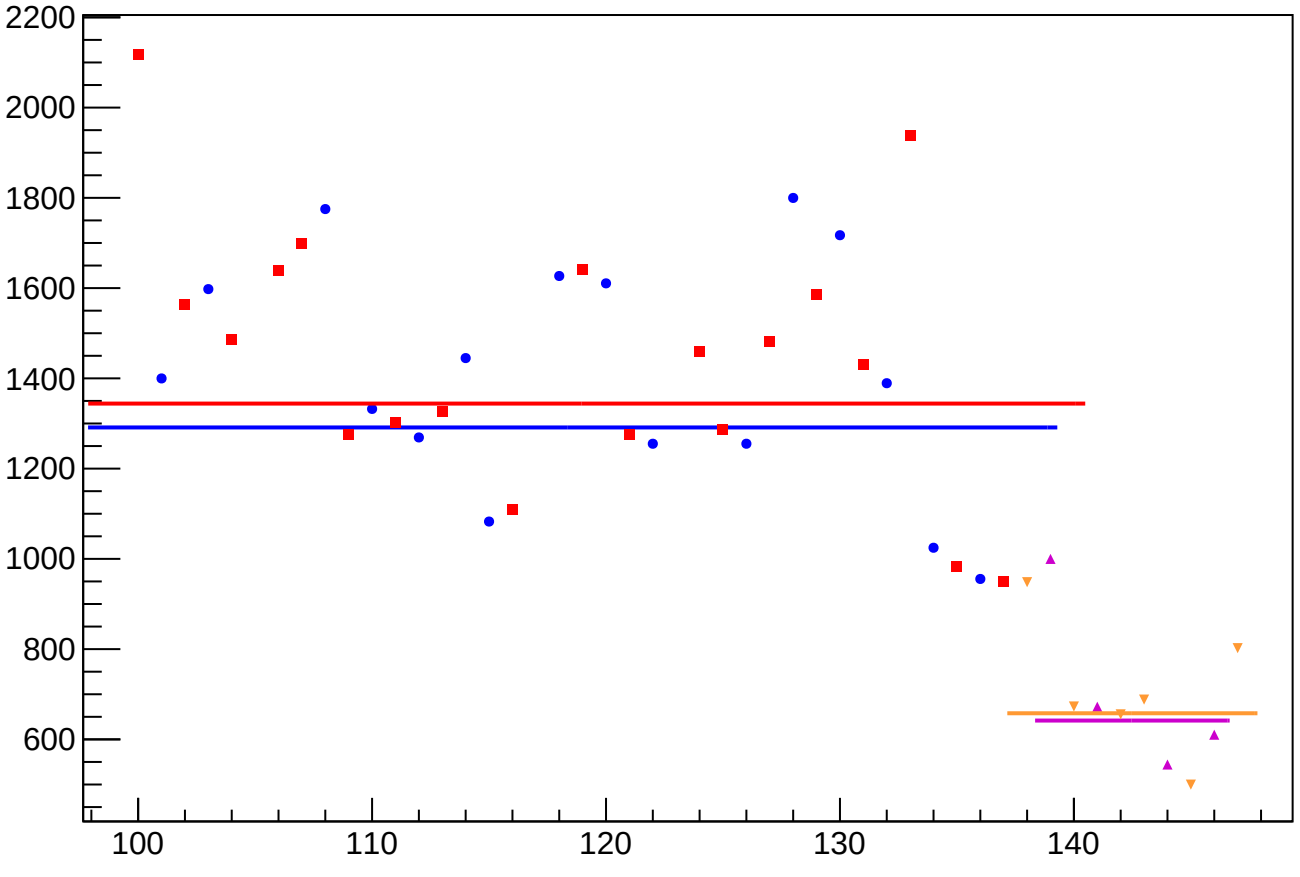
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -49.968+/-286.510 χ^2/NDF:25.6/19

Out: -331.828+/-267.989 χ^2/NDF:38.9/24

All: -200.302+/-195.717 χ^2/NDF: 65.0/44

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: 657.875+/-0.224 χ^2/NDF:362686.0/5

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 641.724+/-0.249 χ^2/NDF:280549.0/3

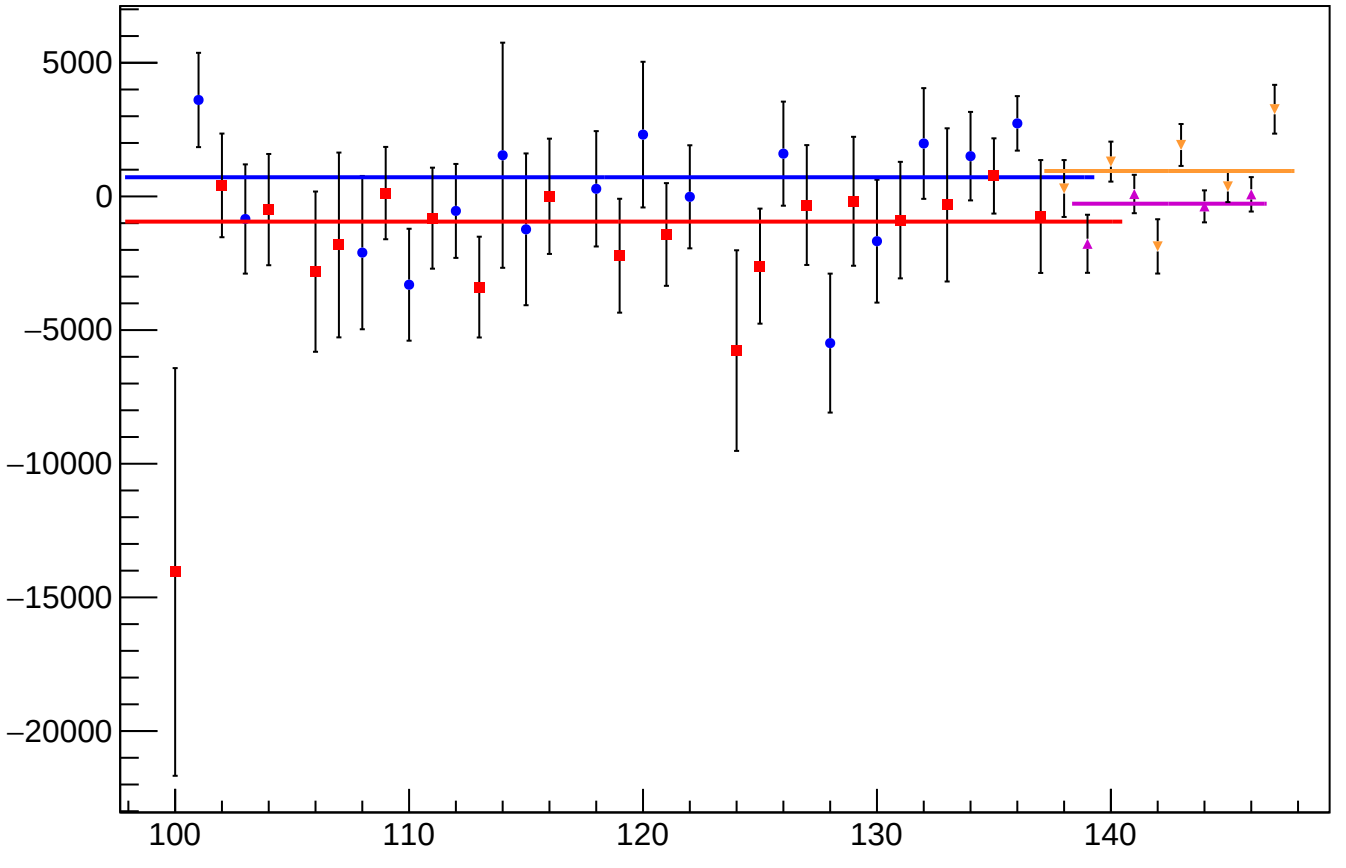
Left: 650.640+/-0.167 χ^2/NDF: 645559.5/9

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 860.863+/-0.203 χ^2/NDF:3189170.8/19

Out: 853.935+/-0.189 χ^2/NDF:3529982.9/24

All: 857.168+/-0.138 χ^2/NDF: 6719777.5/44



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 951.044+/-326.600 χ^2/NDF:17.2/5

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -272.084+/-353.834 χ^2/NDF:2.5/3

Left: 388.356+/-239.992 χ^2/NDF: 26.2/9

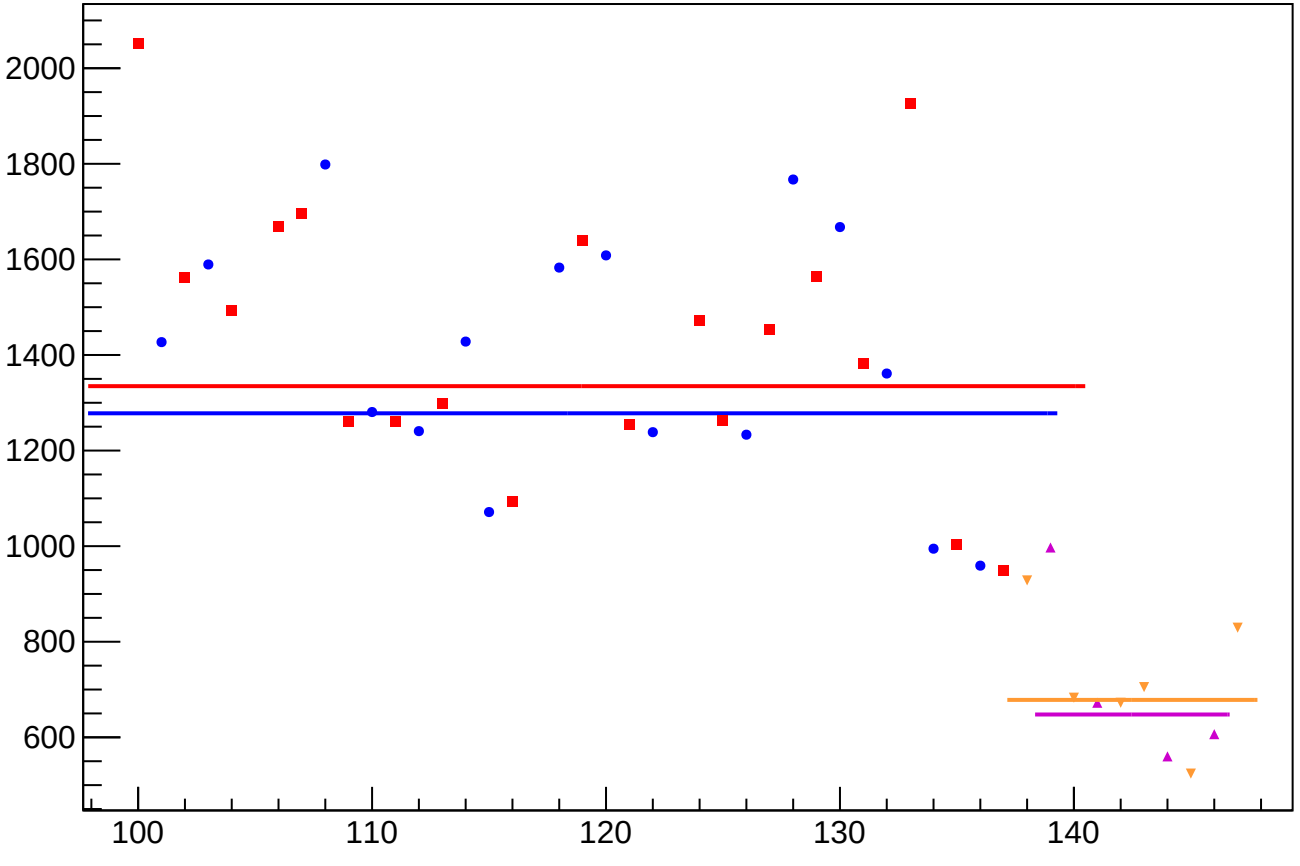
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 68.723+/-286.506 χ^2/NDF:26.1/19

Out: 381.700+/-273.115 χ^2/NDF:37.9/24

All: 232.696+/-197.686 χ^2/NDF: 64.7/44

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 678.321+/-0.231 χ^2/NDF:306023.9/5

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 647.773+/-0.250 χ^2/NDF:260264.1/3

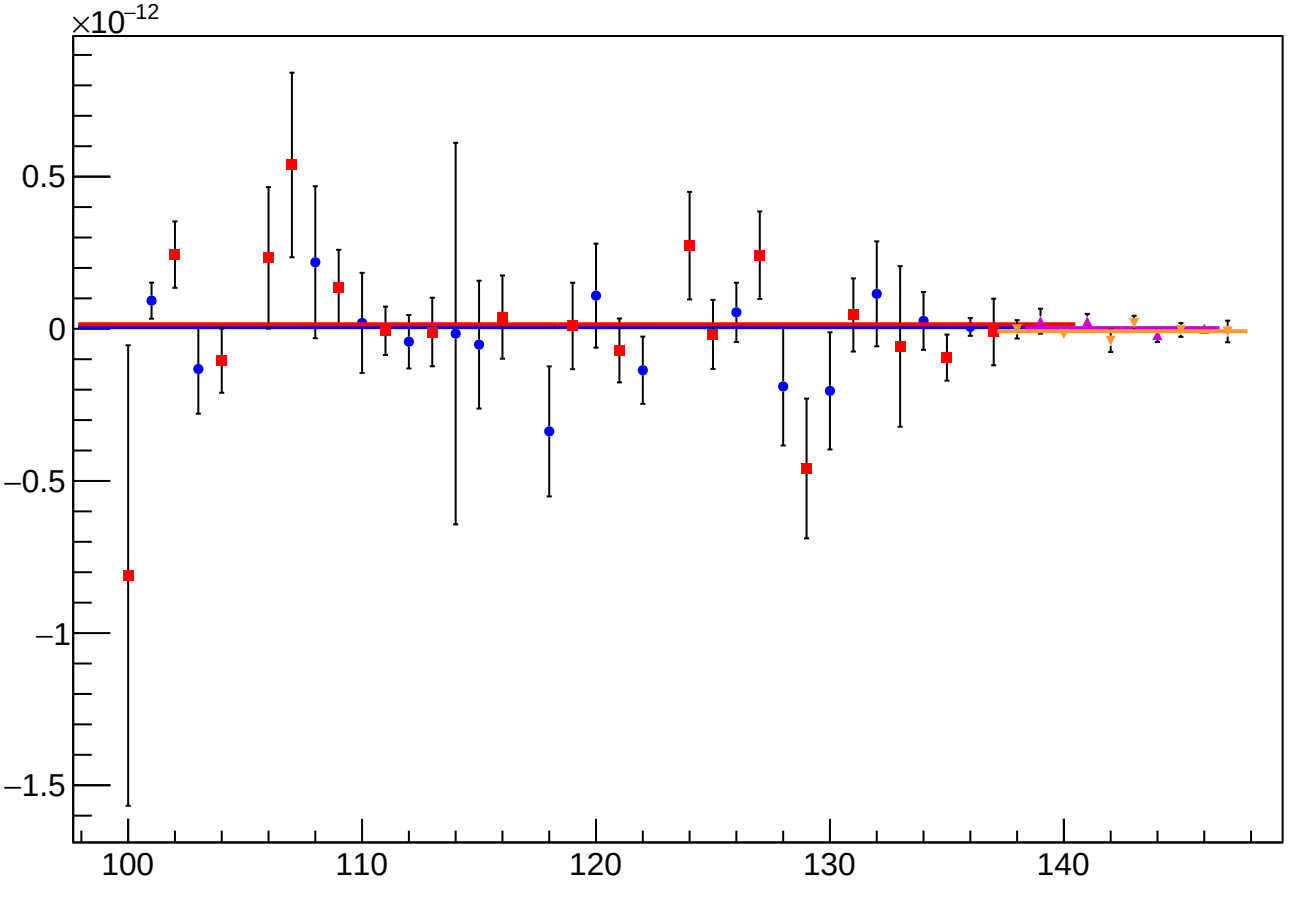
Left: 664.267+/-0.170 χ^2/NDF: 574337.4/9

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 864.786+/-0.203 χ^2/NDF:3042676.0/19

Out: 875.721+/-0.193 χ^2/NDF:3207602.0/24

All: 870.515+/-0.140 χ^2/NDF: 6251804.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.5/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/3

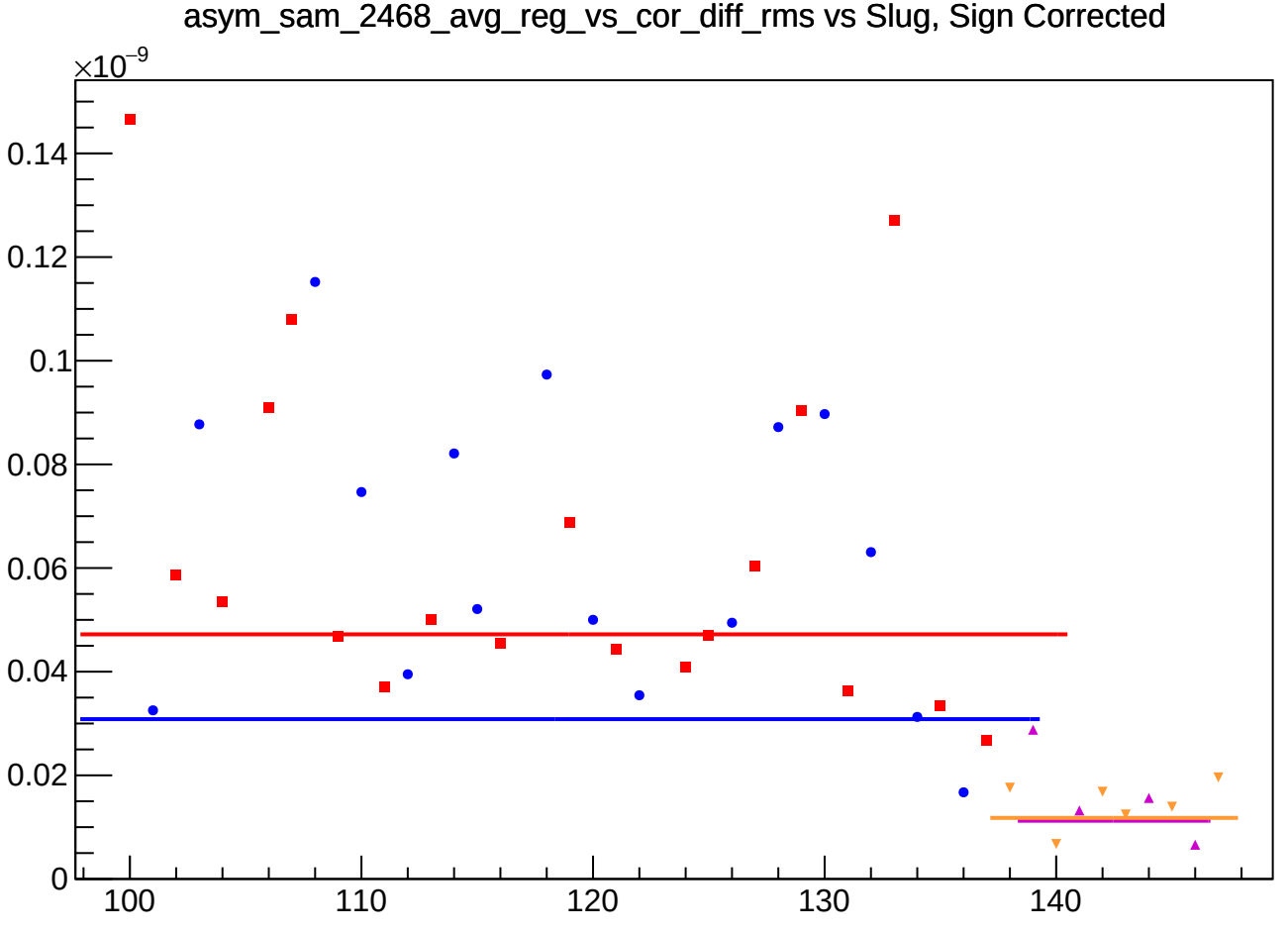
Left: -0.000+/-0.000 χ^2/NDF: 5.0/9

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:13.7/19

Out: -0.000+/-0.000 χ^2/NDF:26.8/24

All: -0.000+/-0.000 χ^2/NDF: 40.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:448345.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:655305.9/3

Left: 0.000+/-0.000 χ^2/NDF: 1106551.6/9

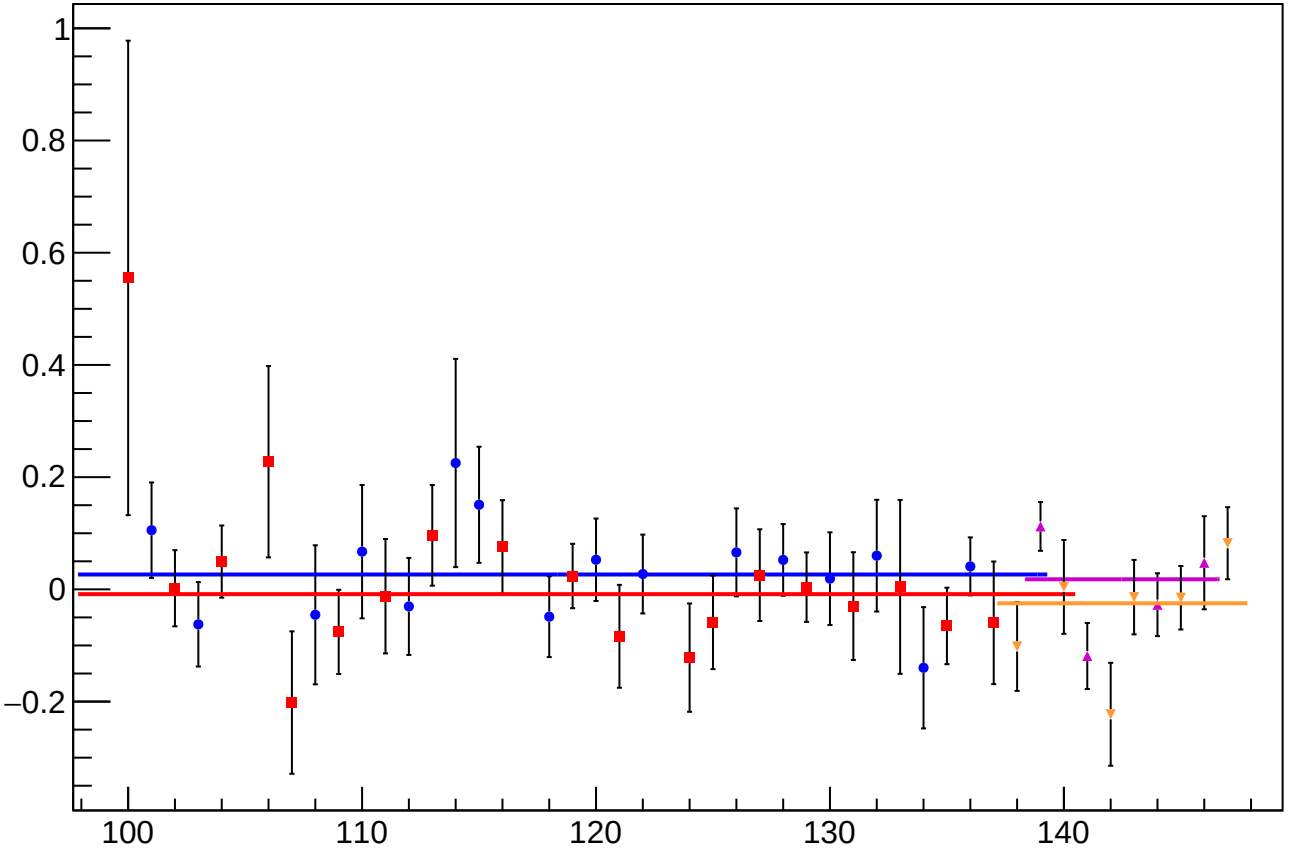
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:3895823.1/19

Out: 0.000+/-0.000 χ^2/NDF:3918091.1/24

All: 0.000+/-0.000 χ^2/NDF: 7815206.9/44

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: -0.025+/-0.029 χ^2/NDF:8.5/5

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.018+/-0.028 χ^2/NDF:10.9/3

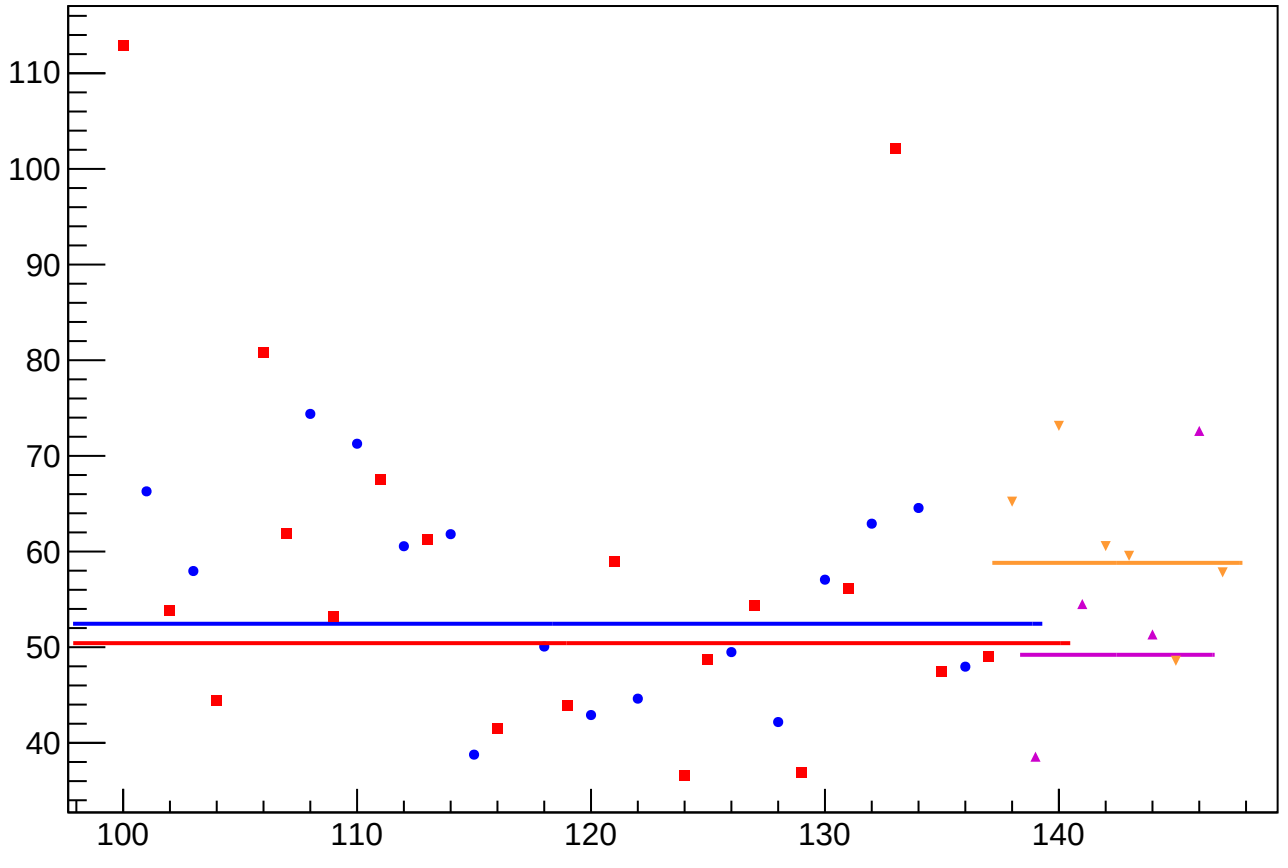
Left: -0.003+/-0.020 χ^2/NDF: 20.6/9

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.016 χ^2/NDF:20.9/19

Out: -0.014+/-0.016 χ^2/NDF:22.7/24

All: 0.005+/-0.012 χ^2/NDF: 46.2/44



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.818+/-0.020 χ^2/NDF:138642.5/5

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.206+/-0.020 χ^2/NDF:297966.1/3

Left: 53.861+/-0.014 χ^2/NDF: 551229.0/9

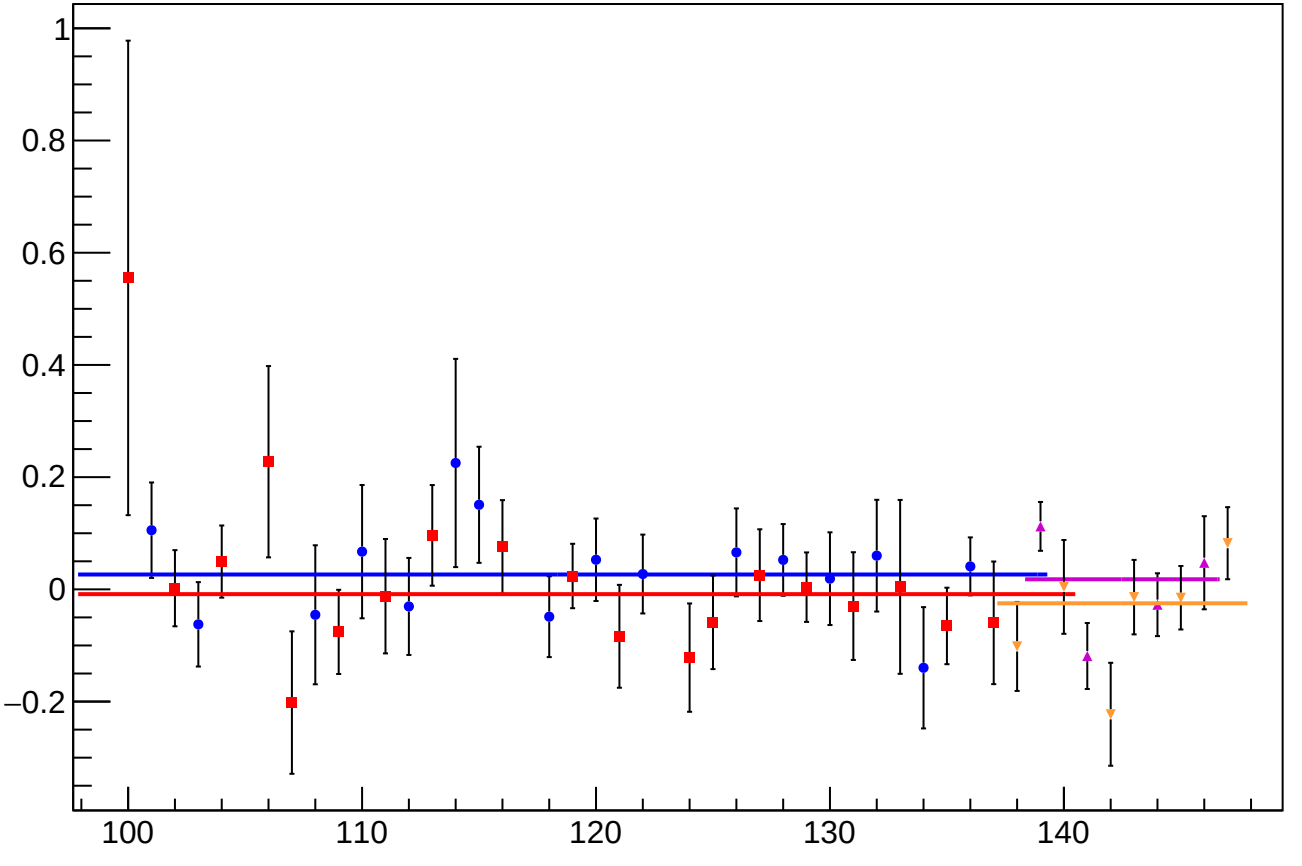
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.322+/-0.012 χ^2/NDF:733578.4/19

Out: 53.053+/-0.011 χ^2/NDF:931799.4/24

All: 52.206+/-0.008 χ^2/NDF: 1676640.3/44

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: -0.025+/-0.029 χ^2/NDF:8.5/5

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.018+/-0.028 χ^2/NDF:10.9/3

Left: -0.003+/-0.020 χ^2/NDF: 20.6/9

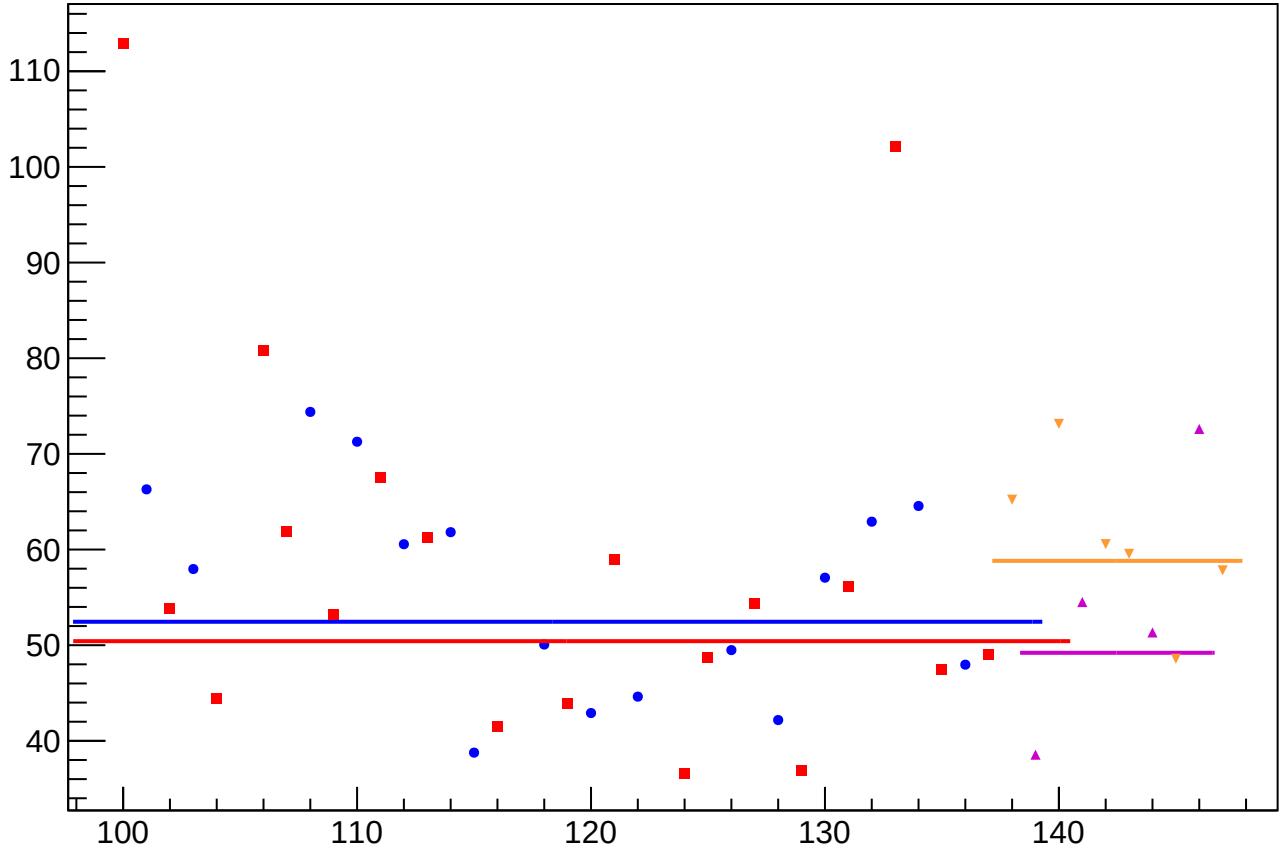
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.016 χ^2/NDF:20.9/19

Out: -0.014+/-0.016 χ^2/NDF:22.7/24

All: 0.005+/-0.012 χ^2/NDF: 46.2/44

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.818+/-0.020 χ^2/NDF:138642.5/5

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 49.206+/-0.020 χ^2/NDF:297966.1/3

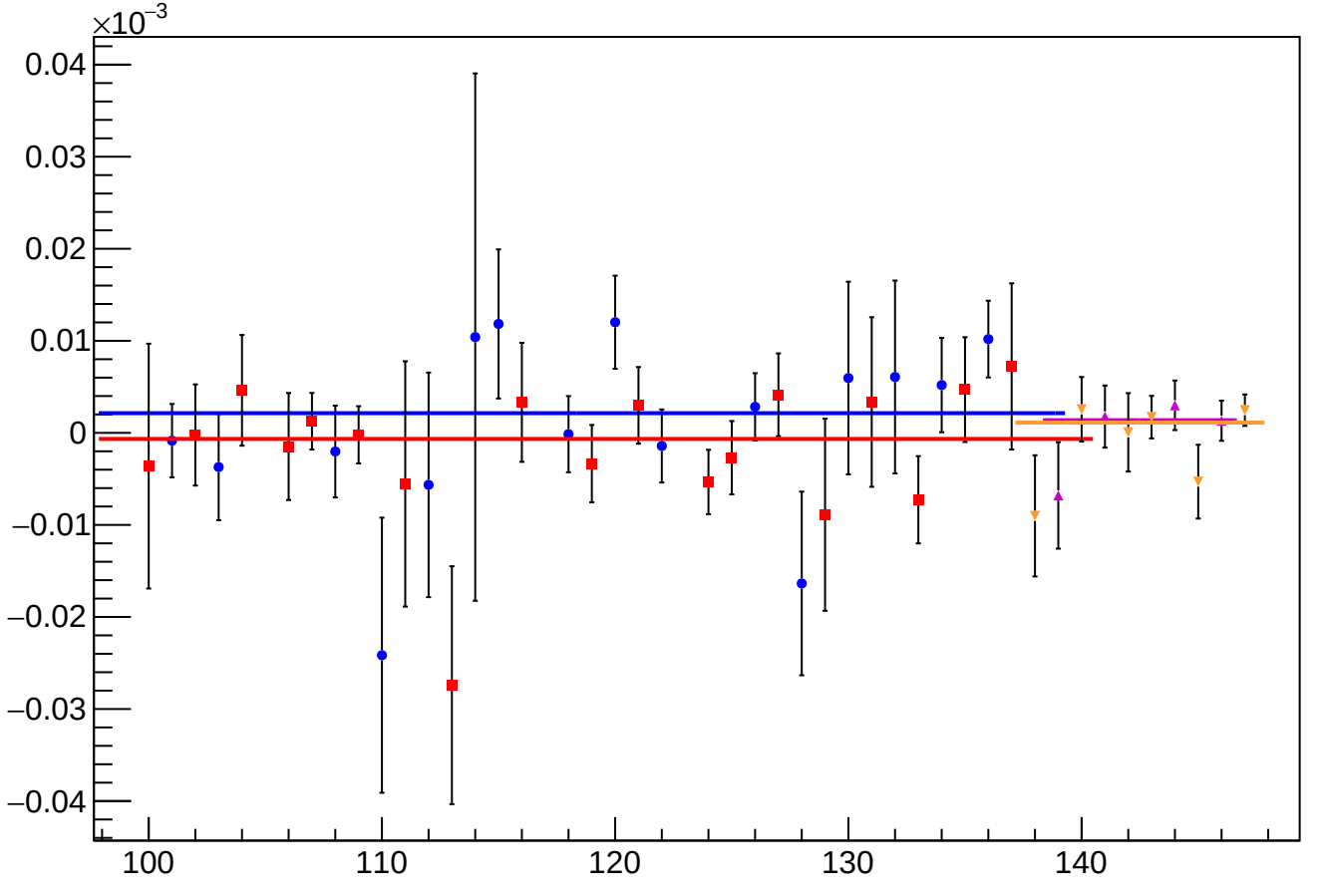
Left: 53.861+/-0.014 χ^2/NDF: 551229.0/9

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.322+/-0.012 χ^2/NDF:733578.4/19

Out: 53.053+/-0.011 χ^2/NDF:931799.4/24

All: 52.206+/-0.008 χ^2/NDF: 1676640.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/5

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/3

Left: 0.000+/-0.000 χ^2/NDF: 8.2/9

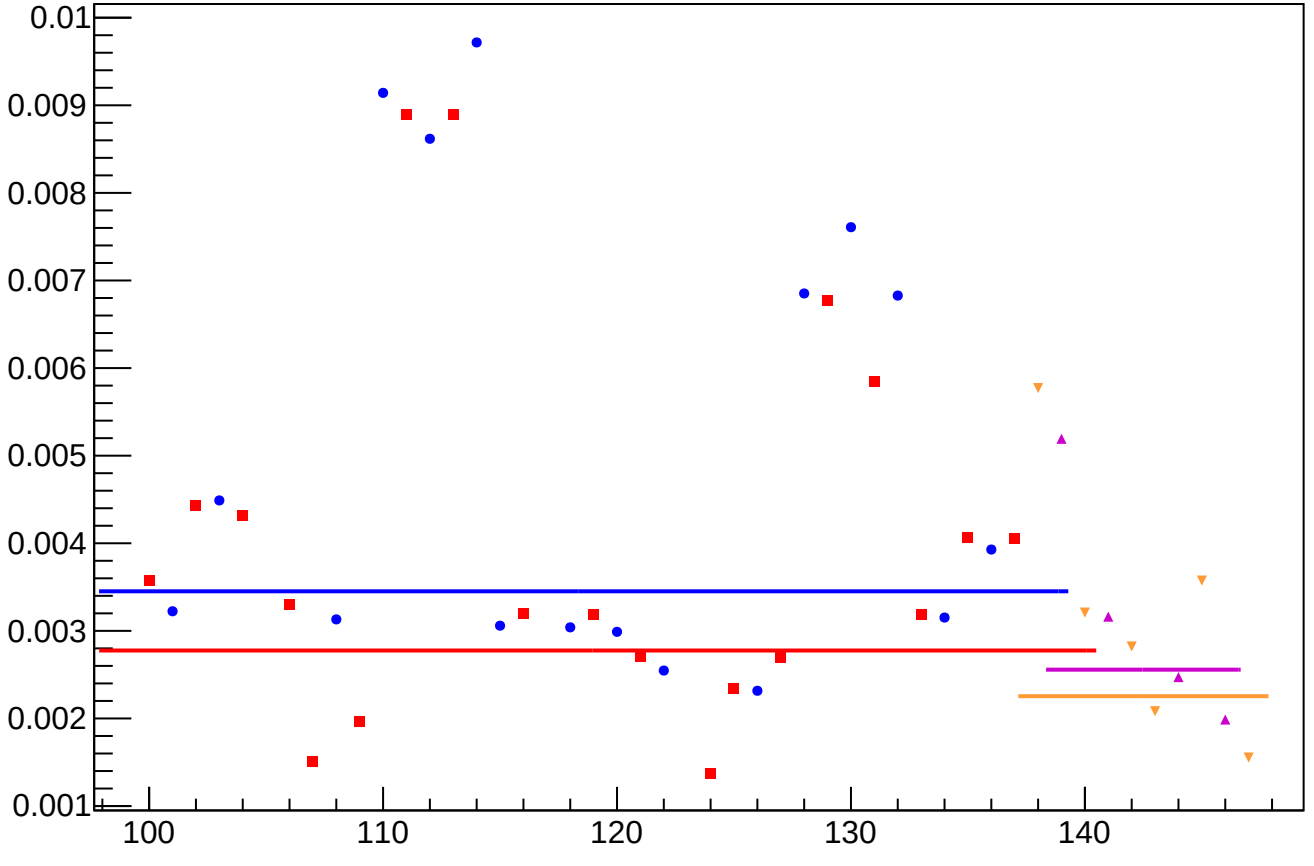
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.6/19

Out: 0.000+/-0.000 χ^2/NDF:21.9/24

All: 0.000+/-0.000 χ^2/NDF: 45.9/44

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1318698.4/5

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:618275.2/3

Left: 0.002+/-0.000 χ^2/NDF: 1989817.8/9

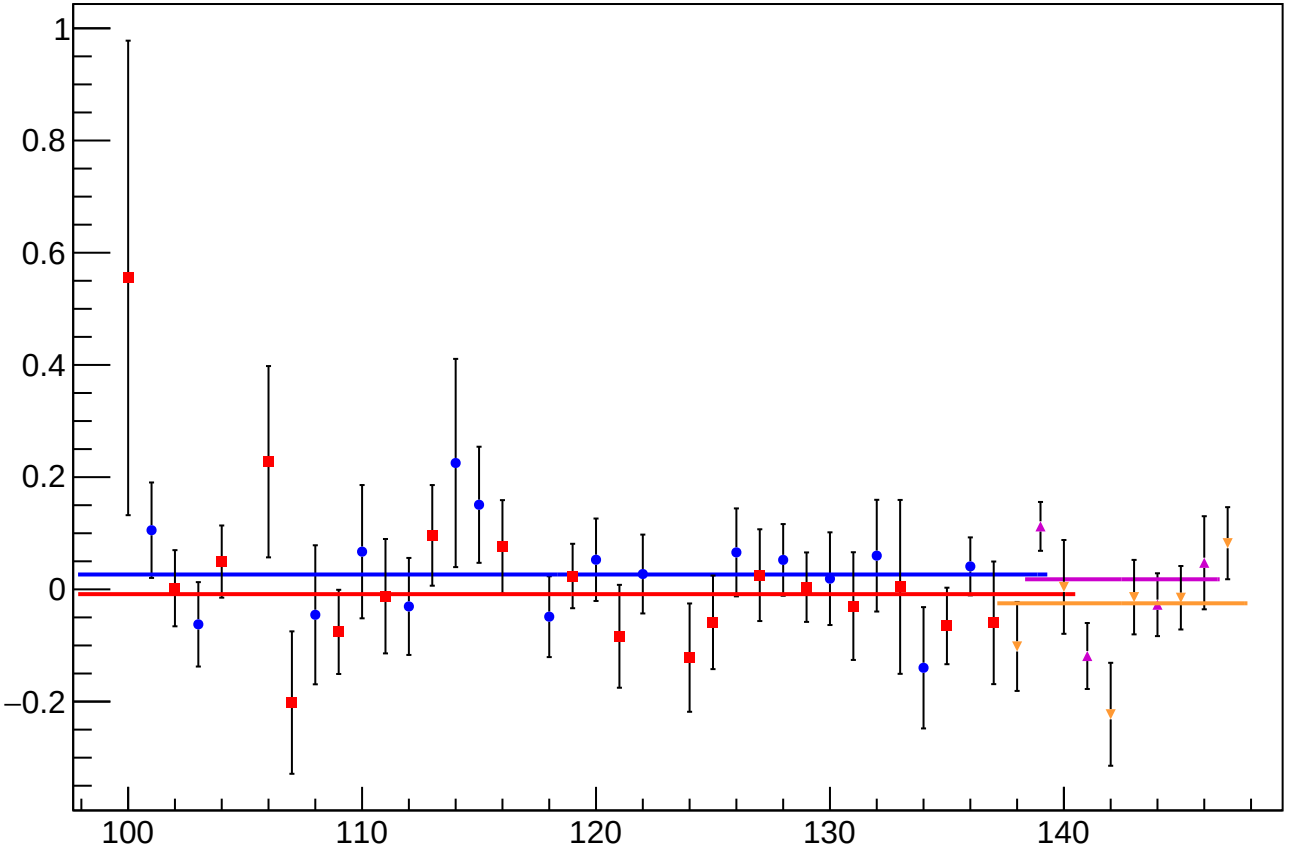
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:2963516.6/19

Out: 0.003+/-0.000 χ^2/NDF:4258966.8/24

All: 0.003+/-0.000 χ^2/NDF: 7536108.5/44

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: -0.025+/-0.029 χ^2/NDF:8.5/5

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.018+/-0.028 χ^2/NDF:10.9/3

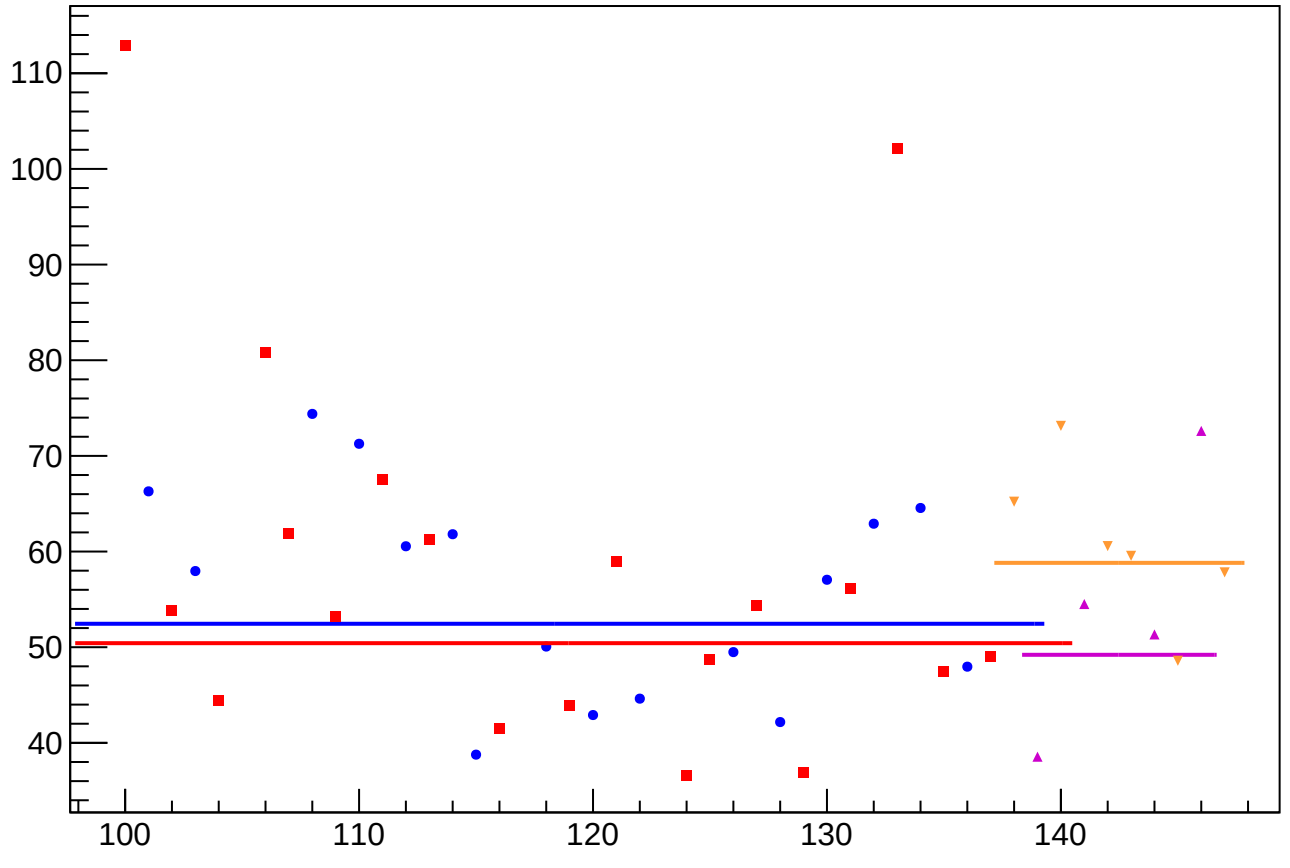
Left: -0.003+/-0.020 χ^2/NDF: 20.6/9

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.016 χ^2/NDF:20.9/19

Out: -0.014+/-0.016 χ^2/NDF:22.7/24

All: 0.005+/-0.012 χ^2/NDF: 46.2/44



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.819+/-0.020 χ^2/NDF:138611.6/5

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.205+/-0.020 χ^2/NDF:298004.9/3

Left: 53.861+/-0.014 χ^2/NDF: 551255.9/9

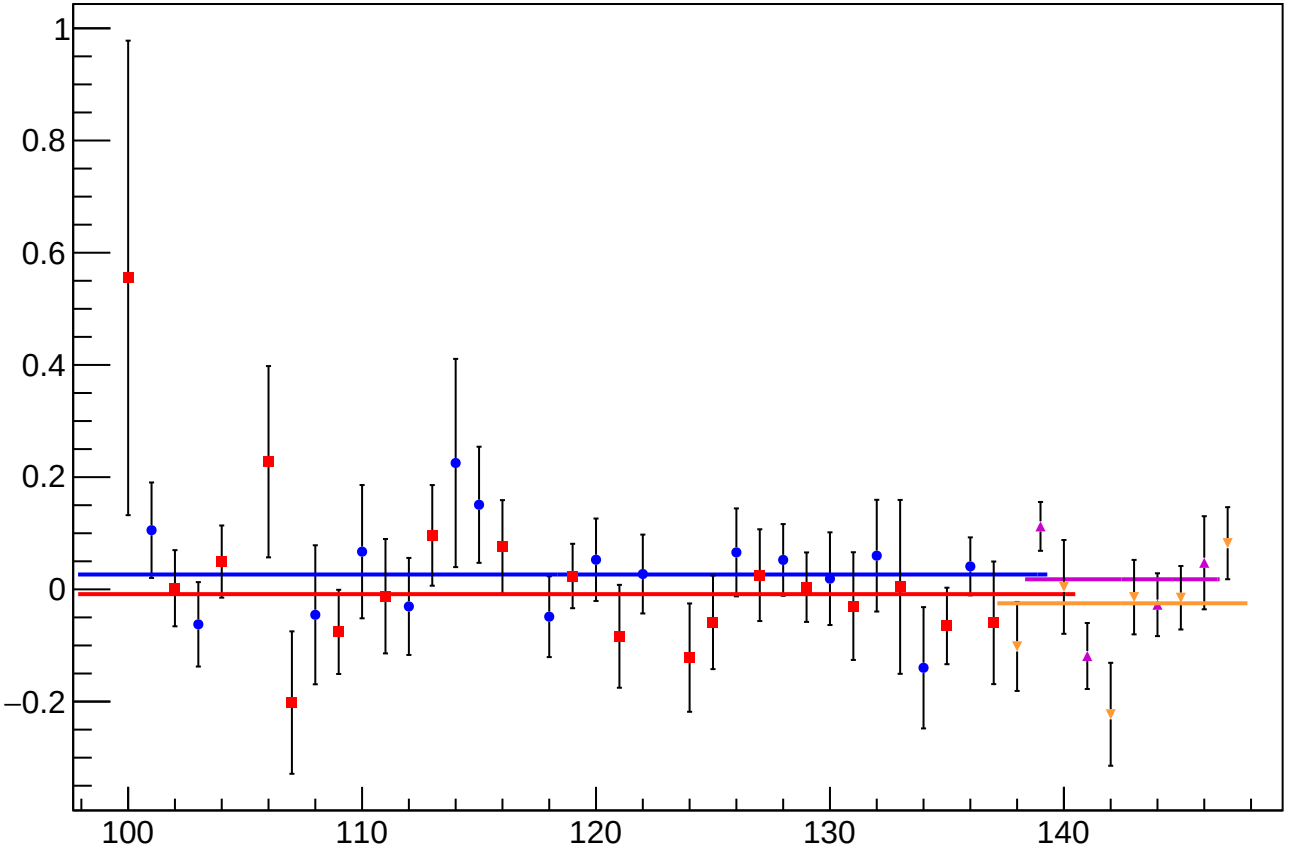
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.322+/-0.012 χ^2/NDF:733560.2/19

Out: 53.053+/-0.011 χ^2/NDF:931823.5/24

All: 52.205+/-0.008 χ^2/NDF: 1676647.9/44

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: -0.025+/-0.029 χ^2/NDF:8.5/5

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.018+/-0.028 χ^2/NDF:10.9/3

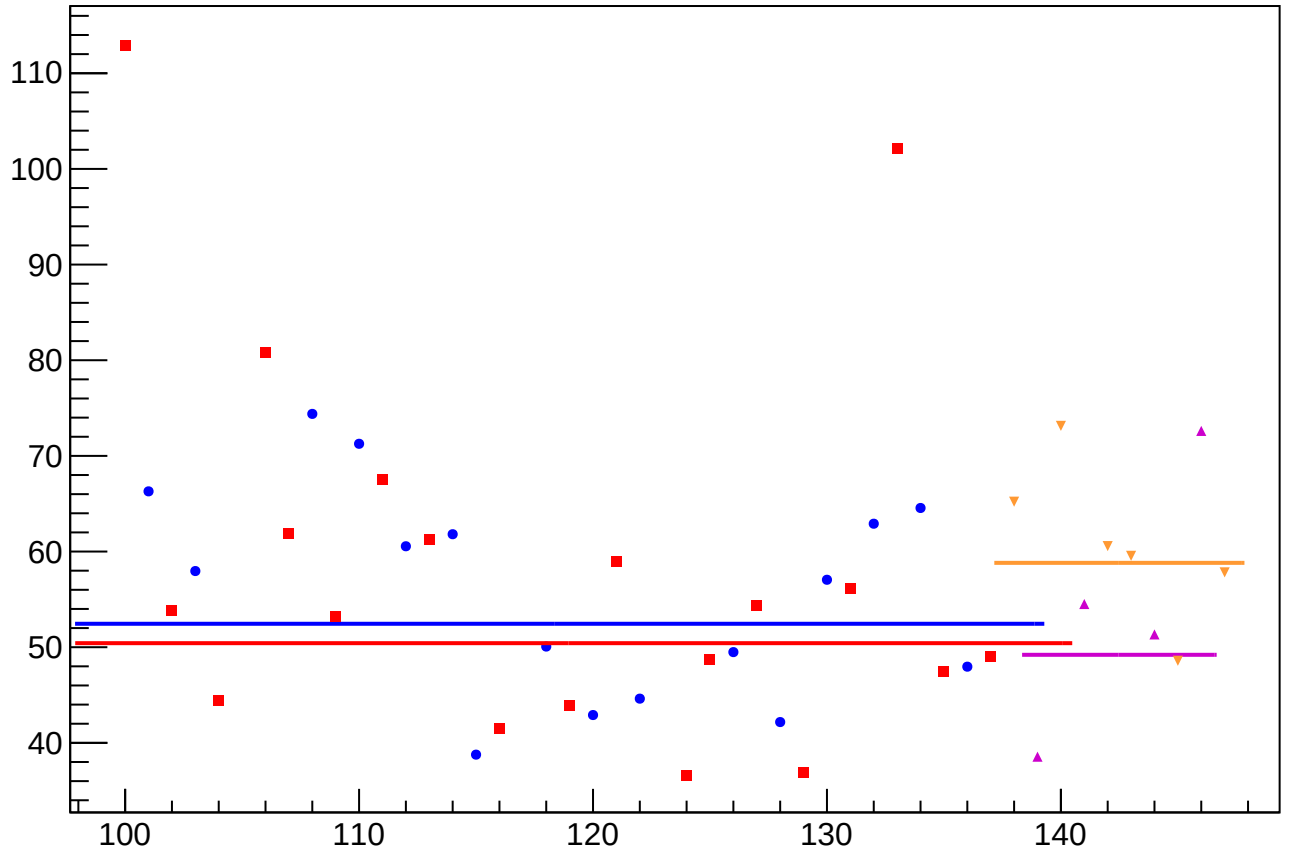
Left: -0.003+/-0.020 χ^2/NDF: 20.6/9

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.016 χ^2/NDF:20.9/19

Out: -0.014+/-0.016 χ^2/NDF:22.7/24

All: 0.005+/-0.012 χ^2/NDF: 46.2/44



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.819+/-0.020 χ^2/NDF:138611.6/5

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 49.205+/-0.020 χ^2/NDF:298004.9/3

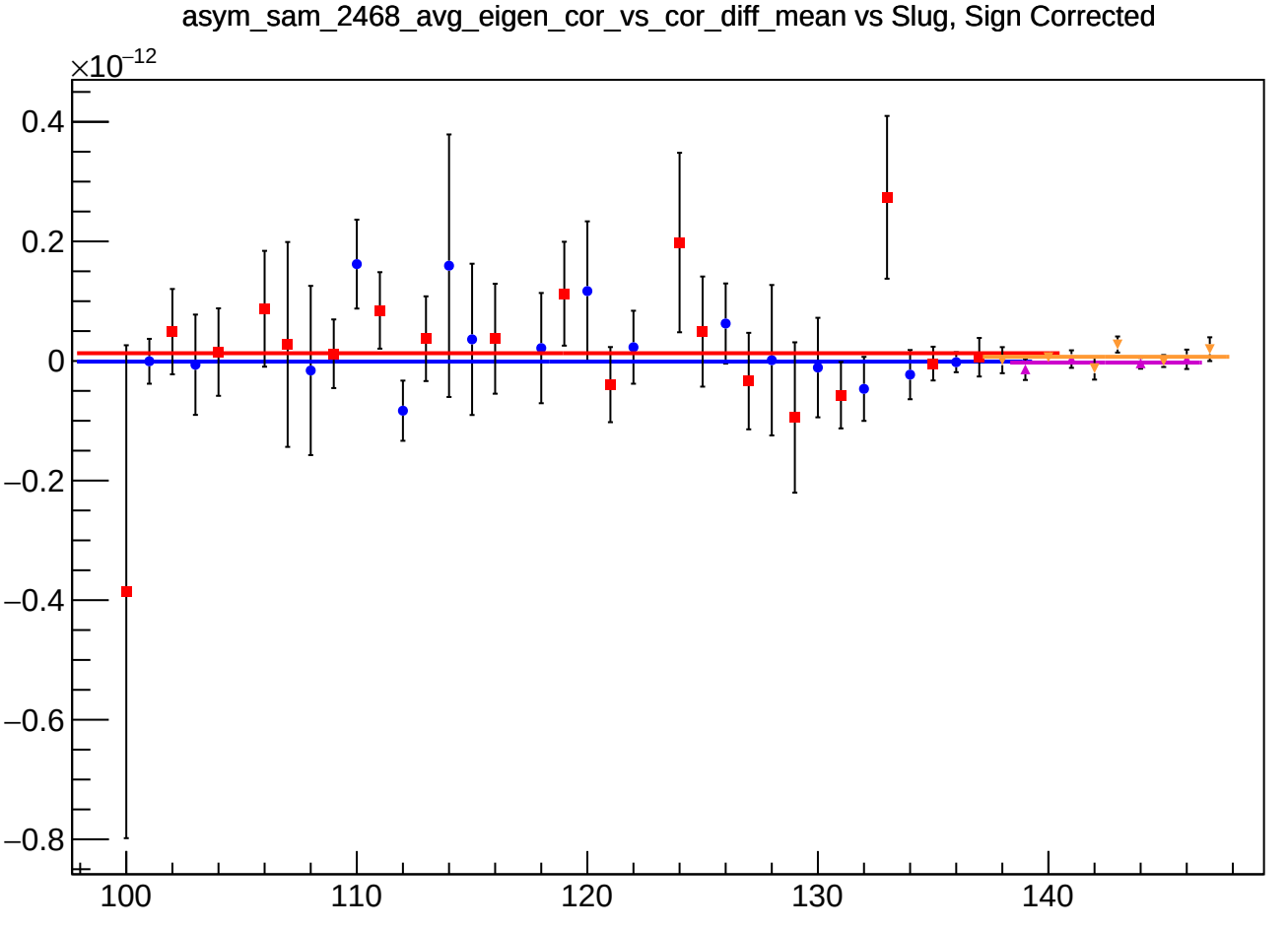
Left: 53.861+/-0.014 χ^2/NDF: 551255.9/9

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.322+/-0.012 χ^2/NDF:733560.2/19

Out: 53.053+/-0.011 χ^2/NDF:931823.5/24

All: 52.205+/-0.008 χ^2/NDF: 1676647.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:0.7/3

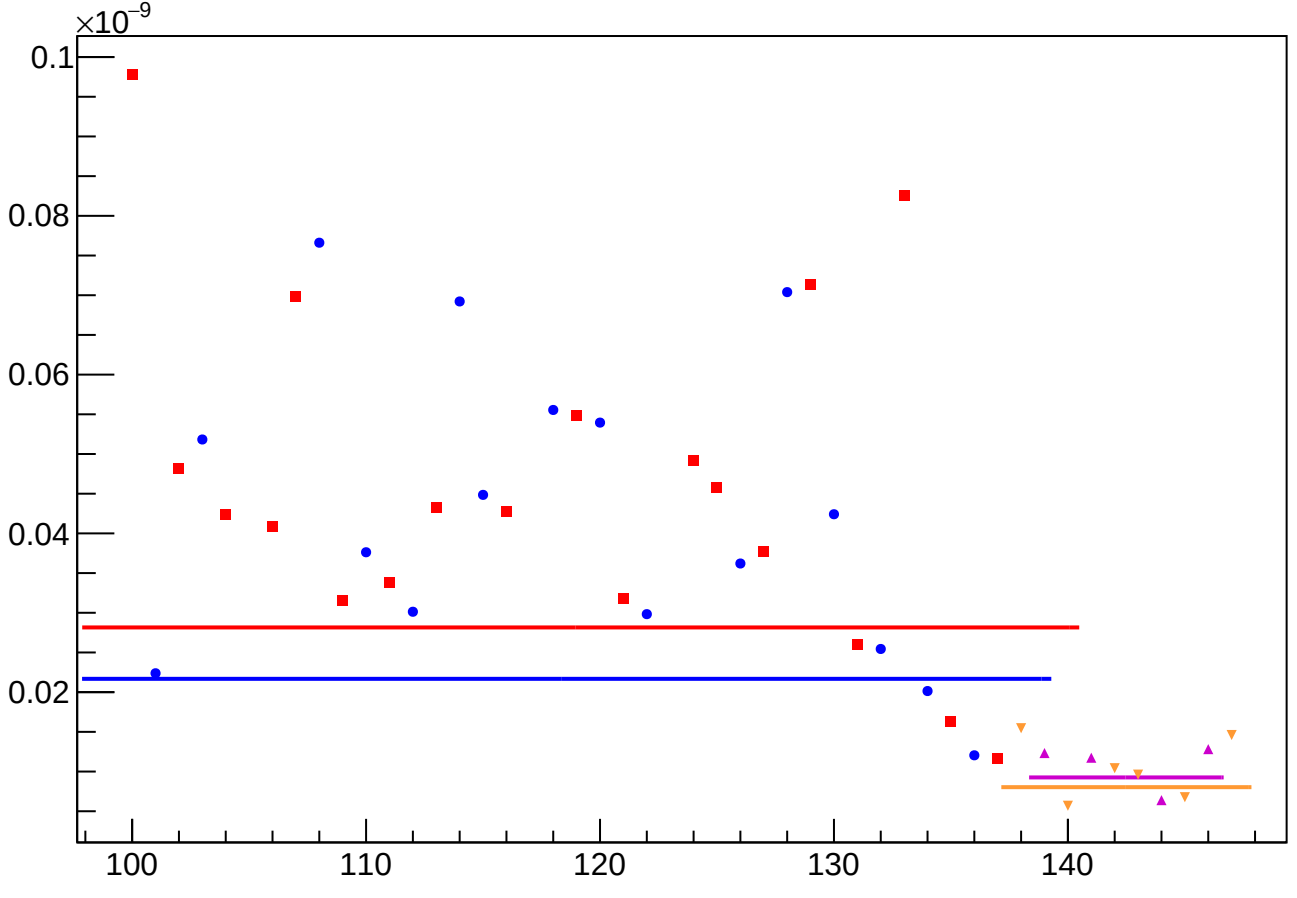
Left: 0.000+/-0.000 χ^2/NDF: 6.4/9

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:12.0/19

Out: 0.000+/-0.000 χ^2/NDF:18.2/24

All: 0.000+/-0.000 χ^2/NDF: 31.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:705552.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:411490.5/3

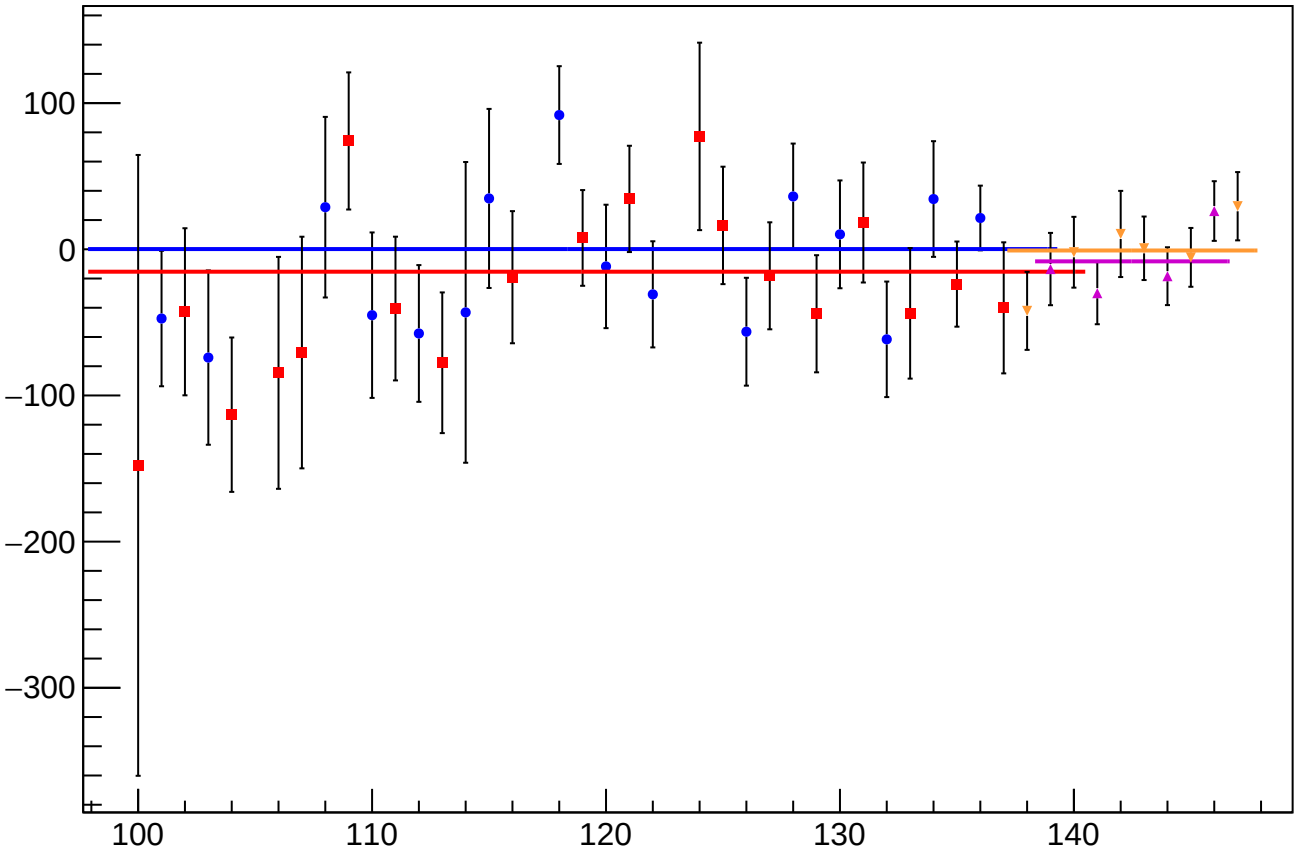
Left: 0.000+/-0.000 χ^2/NDF: 1160893.4/9

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:4595015.7/19

Out: 0.000+/-0.000 χ^2/NDF:6507805.3/24

All: 0.000+/-0.000 χ^2/NDF: 11218704.1/44



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -0.818+/-9.675 χ^2/NDF:4.3/5

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -8.256+/-10.659 χ^2/NDF:4.2/3

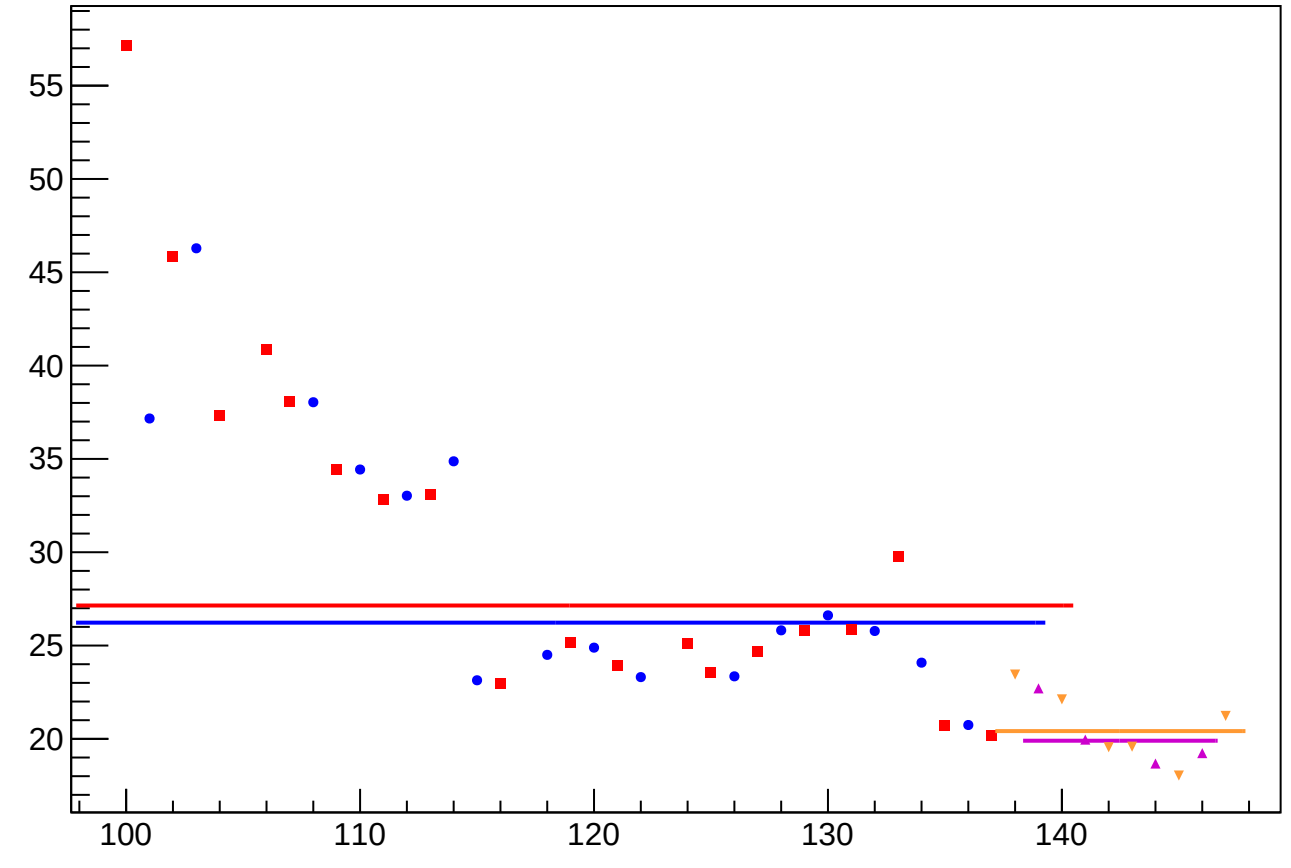
Left: -4.178+/-7.164 χ^2/NDF: 8.8/9

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -3.803+/-7.311 χ^2/NDF:25.9/19

Out: -7.645+/-7.041 χ^2/NDF:23.3/24

All: -5.796+/-5.072 χ^2/NDF: 49.3/44



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.416+/-0.007 χ^2/NDF:70748.2/5

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

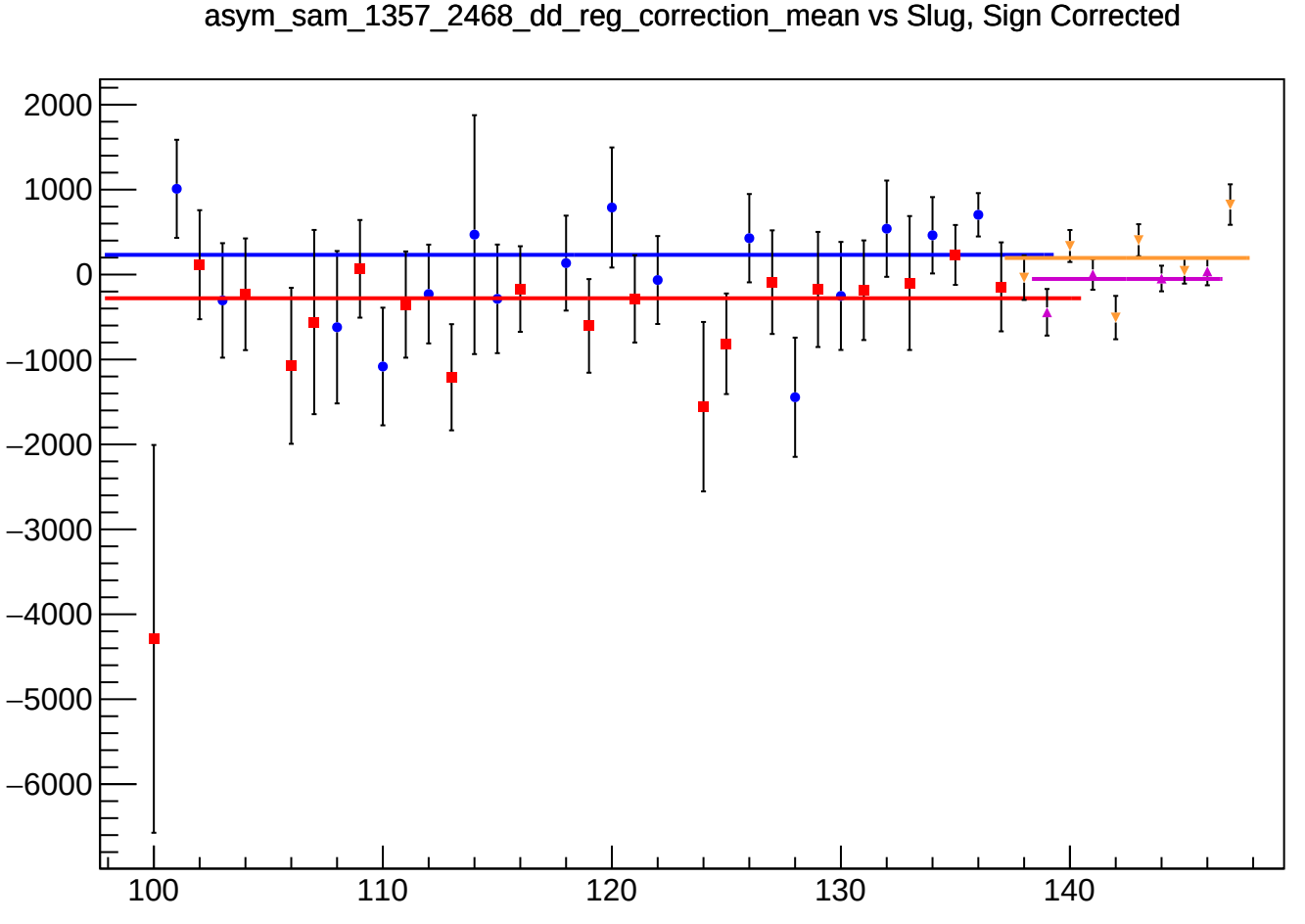
Left: 20.183+/-0.005 χ^2/NDF: 108811.0/9

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 23.250+/-0.005 χ^2/NDF:1084574.9/19

Out: 23.581+/-0.005 χ^2/NDF:1281202.7/24

All: 23.422+/-0.004 χ^2/NDF: 2367904.0/44



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 195.452+/-82.073 χ^2/NDF:18.1/5

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -51.663+/-89.512 χ^2/NDF:2.4/3

Left: 82.589+/-60.494 χ^2/NDF: 24.7/9

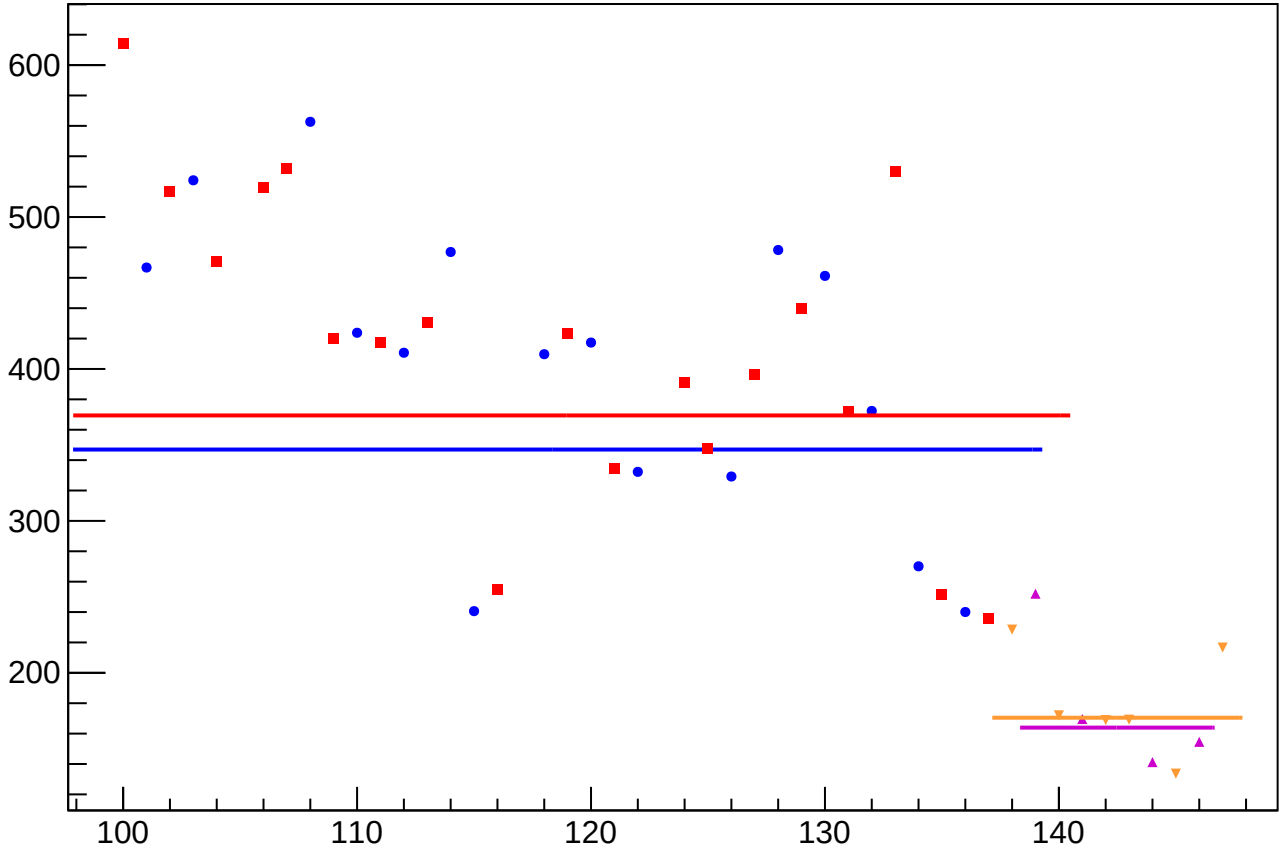
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 35.106+/-74.581 χ^2/NDF:25.2/19

Out: 74.046+/-70.799 χ^2/NDF:38.8/24

All: 55.588+/-51.347 χ^2/NDF: 64.0/44

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: 170.462+/-0.058 χ^2/NDF:294058.3/5

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 163.938+/-0.063 χ^2/NDF:260068.9/3

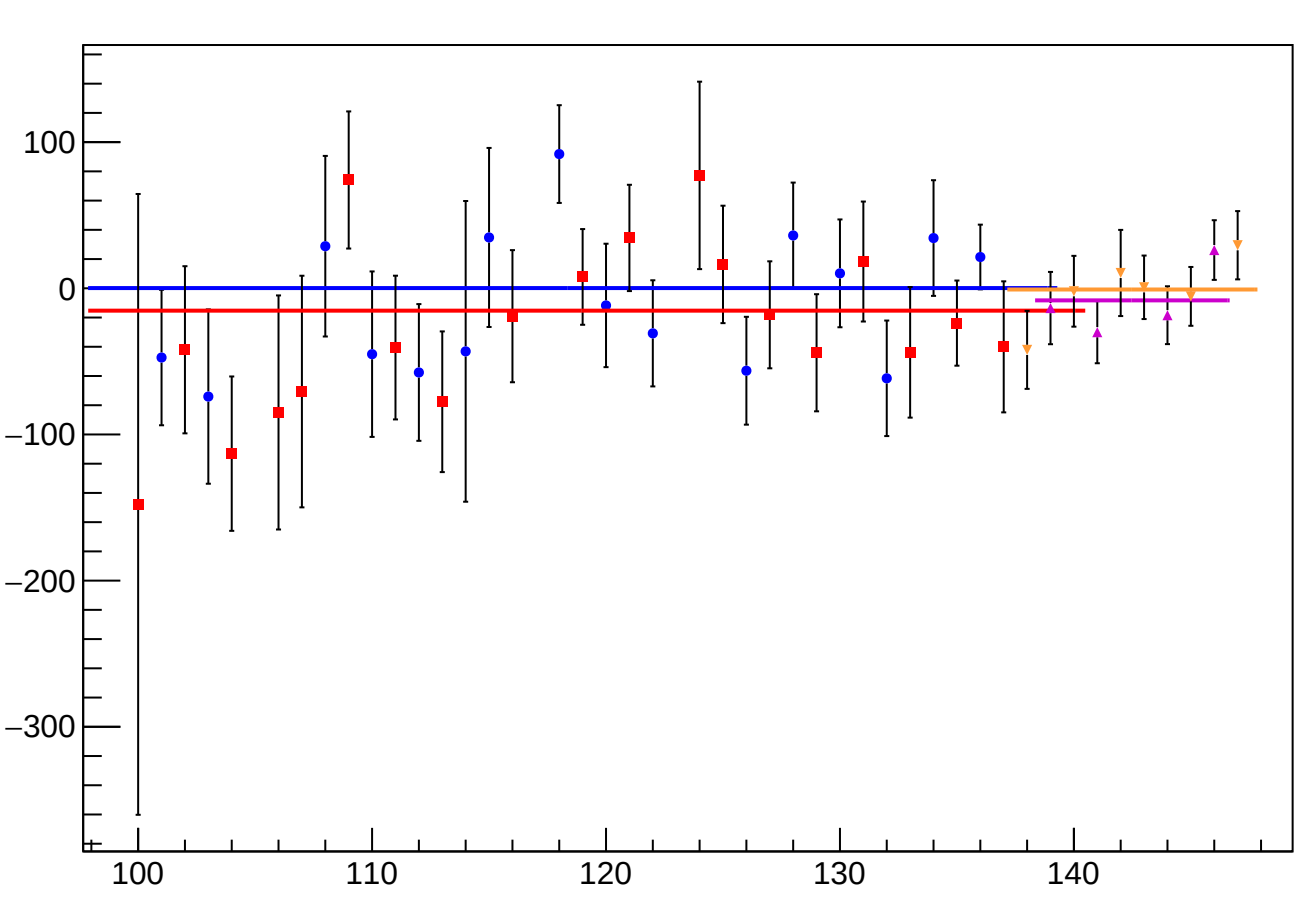
Left: 167.482+/-0.043 χ^2/NDF: 559899.2/9

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 219.907+/-0.053 χ^2/NDF:3875126.7/19

Out: 221.366+/-0.050 χ^2/NDF:4219833.3/24

All: 220.674+/-0.036 χ^2/NDF: 8095362.7/44



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -0.821+/-9.675 χ^2/NDF:4.3/5

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -8.260+/-10.659 χ^2/NDF:4.2/3

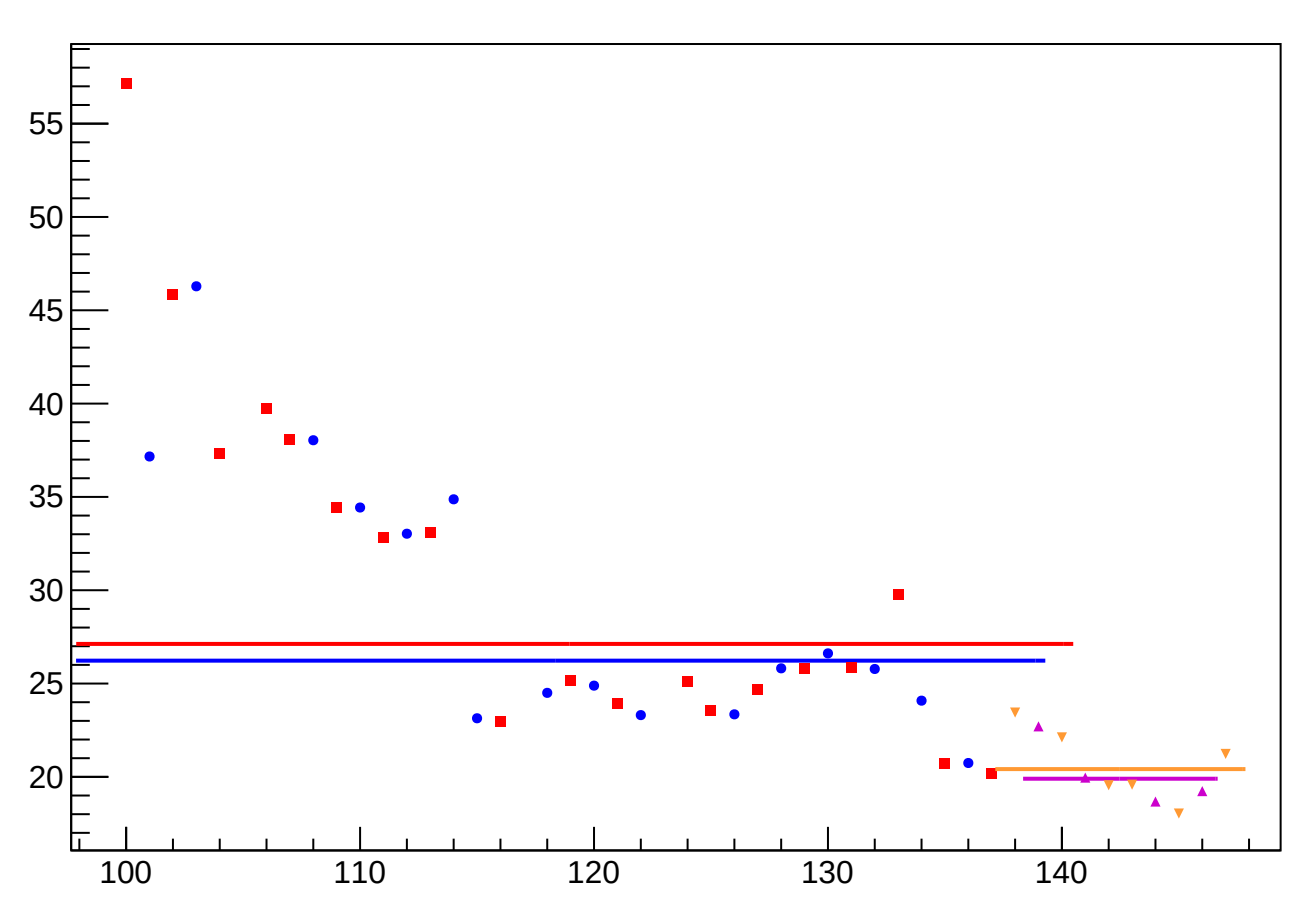
Left: -4.182+/-7.164 χ^2/NDF: 8.8/9

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -3.803+/-7.311 χ^2/NDF:25.9/19

Out: -7.626+/-7.042 χ^2/NDF:23.3/24

All: -5.787+/-5.072 χ^2/NDF: 49.3/44



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.416+/-0.007 χ^2/NDF:70748.2/5

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

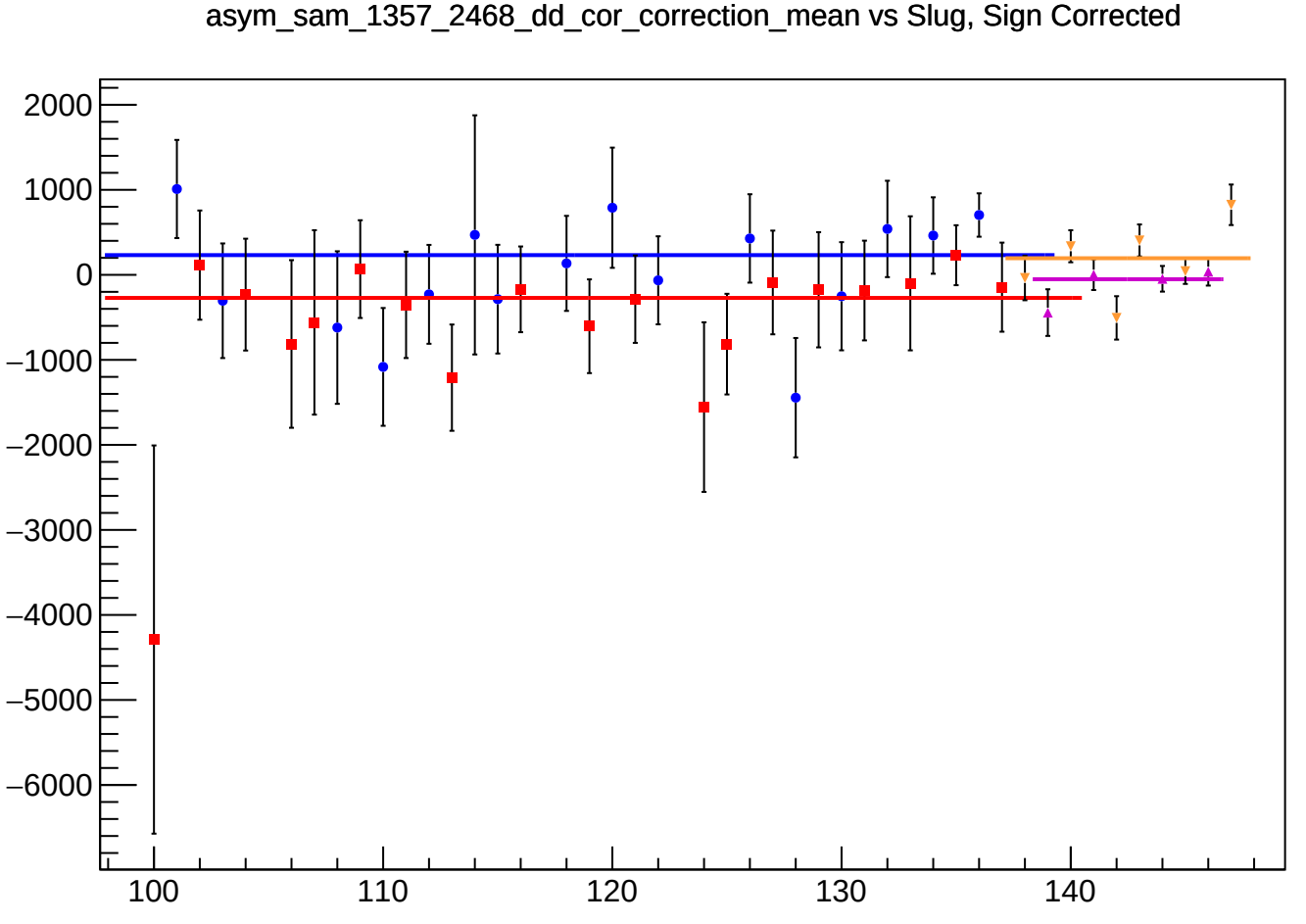
Left: 20.183+/-0.005 χ^2/NDF: 108811.0/9

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.250+/-0.005 χ^2/NDF:1084578.3/19

Out: 23.570+/-0.005 χ^2/NDF:1268420.1/24

All: 23.416+/-0.004 χ^2/NDF: 2354987.3/44



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 195.449+/-82.073 χ^2/NDF:18.1/5

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -51.666+/-89.512 χ^2/NDF:2.4/3

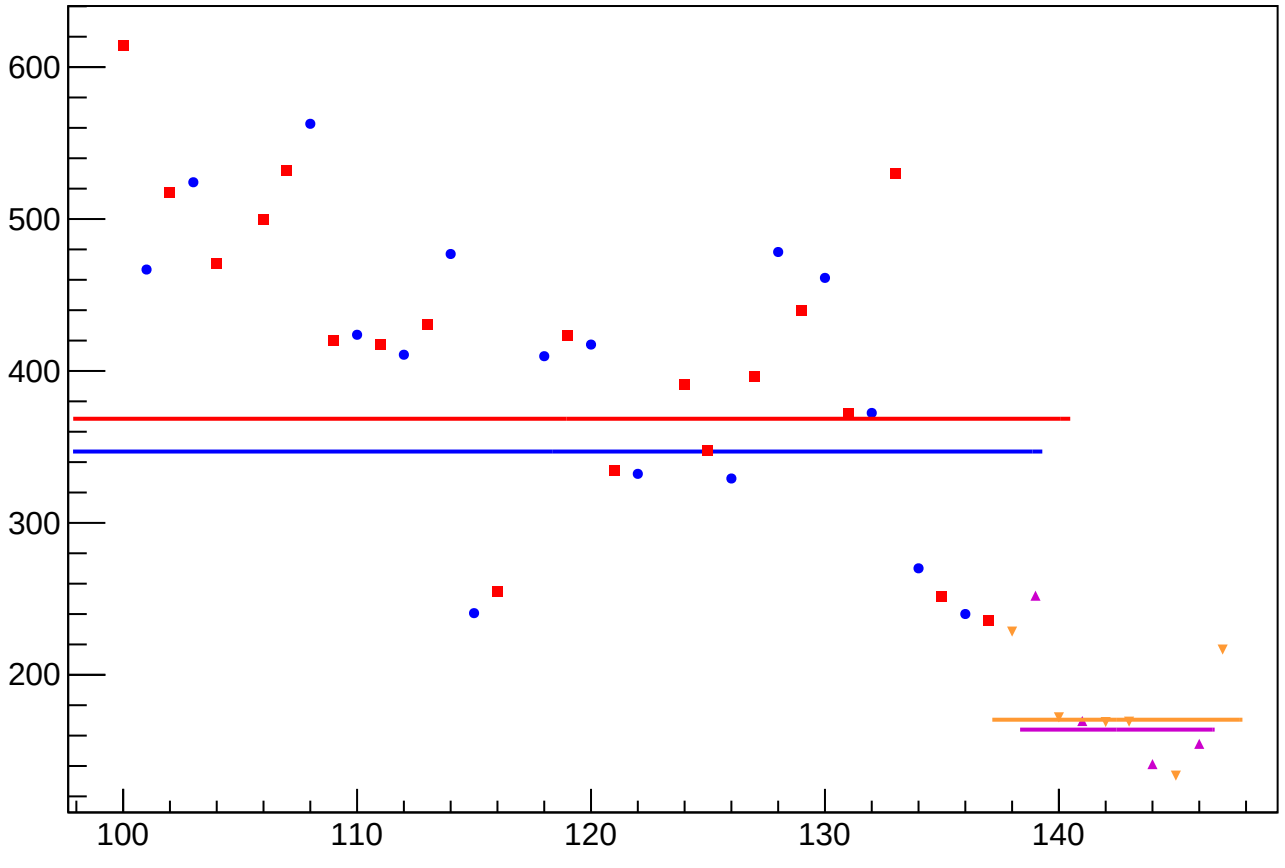
Left: 82.586+/-60.494 χ^2/NDF: 24.7/9

Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 35.101+/-74.581 χ^2/NDF:25.2/19

Out: 76.272+/-70.827 χ^2/NDF:38.0/24

All: 56.749+/-51.358 χ^2/NDF: 63.3/44



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 170.462+/-0.058 χ^2/NDF:294059.4/5

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 163.938+/-0.063 χ^2/NDF:260067.9/3

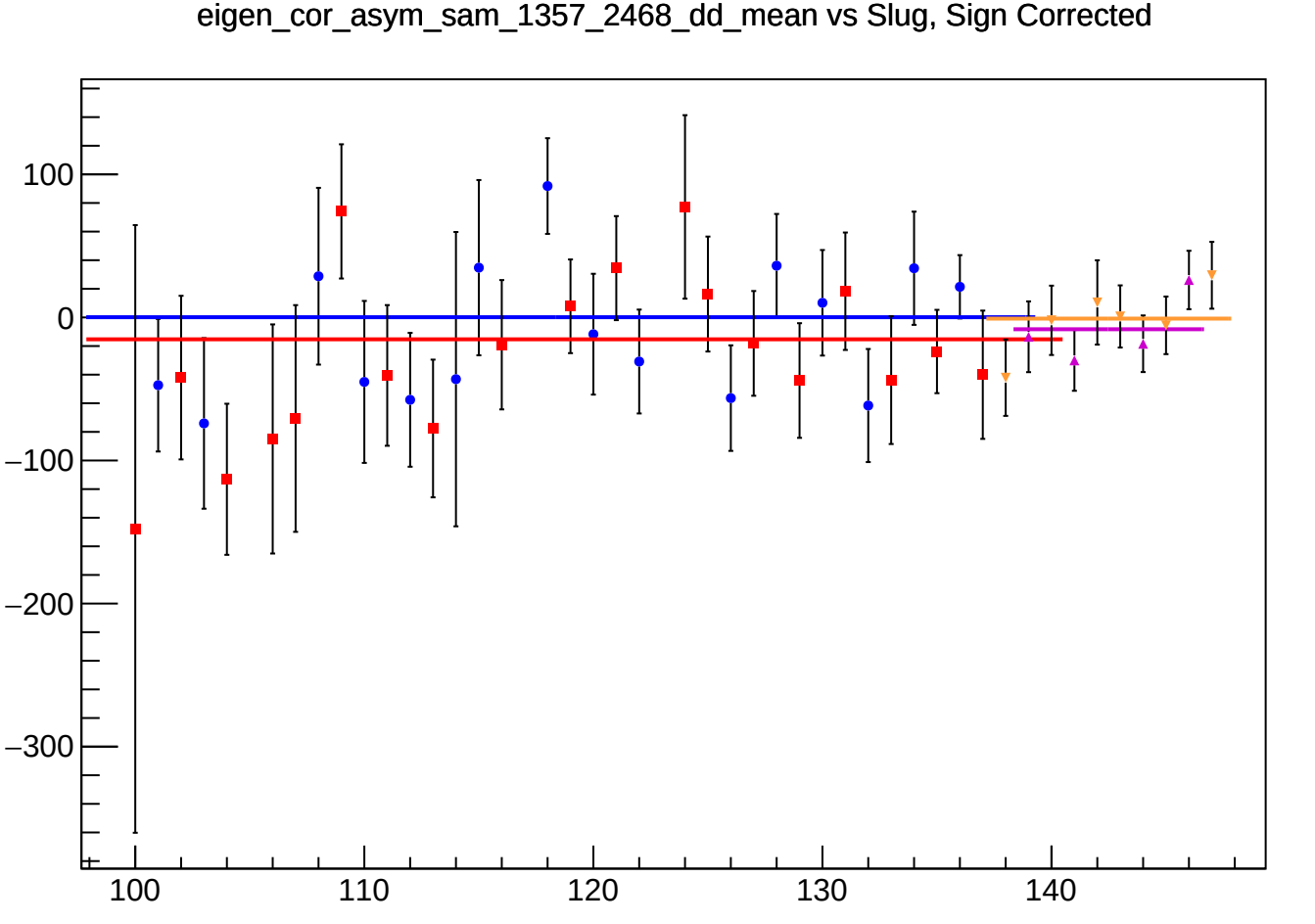
Left: 167.482+/-0.043 χ^2/NDF: 559898.9/9

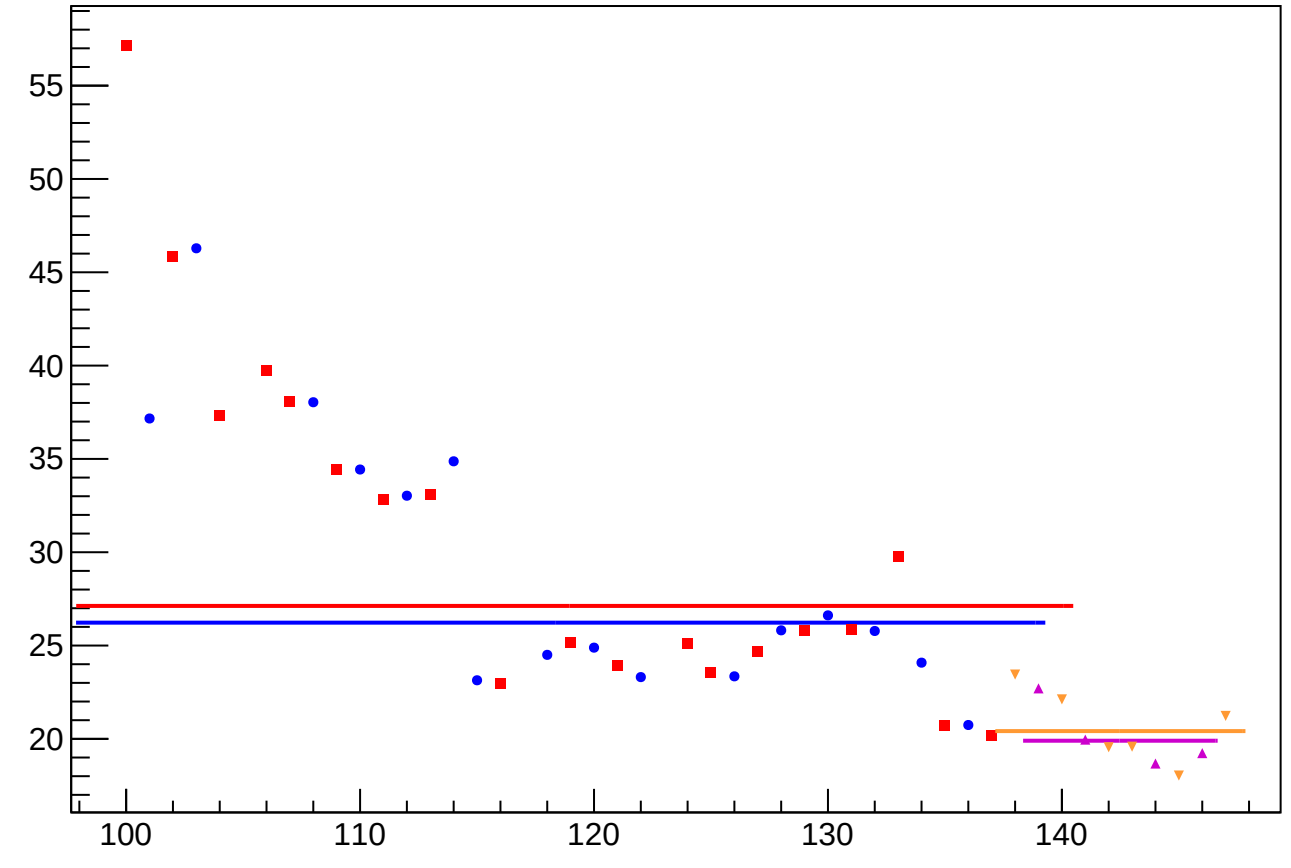
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.907+/-0.053 χ^2/NDF:3875148.0/19

Out: 221.027+/-0.050 χ^2/NDF:4168171.0/24

All: 220.496+/-0.036 χ^2/NDF: 8043556.2/44


eigen_cor_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
Right In: 0.157+/-10.048 χ²/NDF: 21.3/15
Left Out: -0.821+/-9.675 χ²/NDF:4.3/5
Right Out: -15.292+/-10.269 χ²/NDF: 17.9/18
Left In: -8.260+/-10.659 χ²/NDF:4.2/3
Left: -4.182+/-7.164 χ²/NDF: 8.8/9
Right: -7.399+/-7.182 χ²/NDF: 40.4/34
In: -3.803+/-7.311 χ²/NDF:25.9/19
Out: -7.626+/-7.042 χ²/NDF:23.3/24
All: -5.787+/-5.072 χ²/NDF: 49.3/44



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.416+/-0.007 χ^2/NDF:70748.2/5

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.901+/-0.008 χ^2/NDF:35496.5/3

Left: 20.183+/-0.005 χ^2/NDF: 108811.0/9

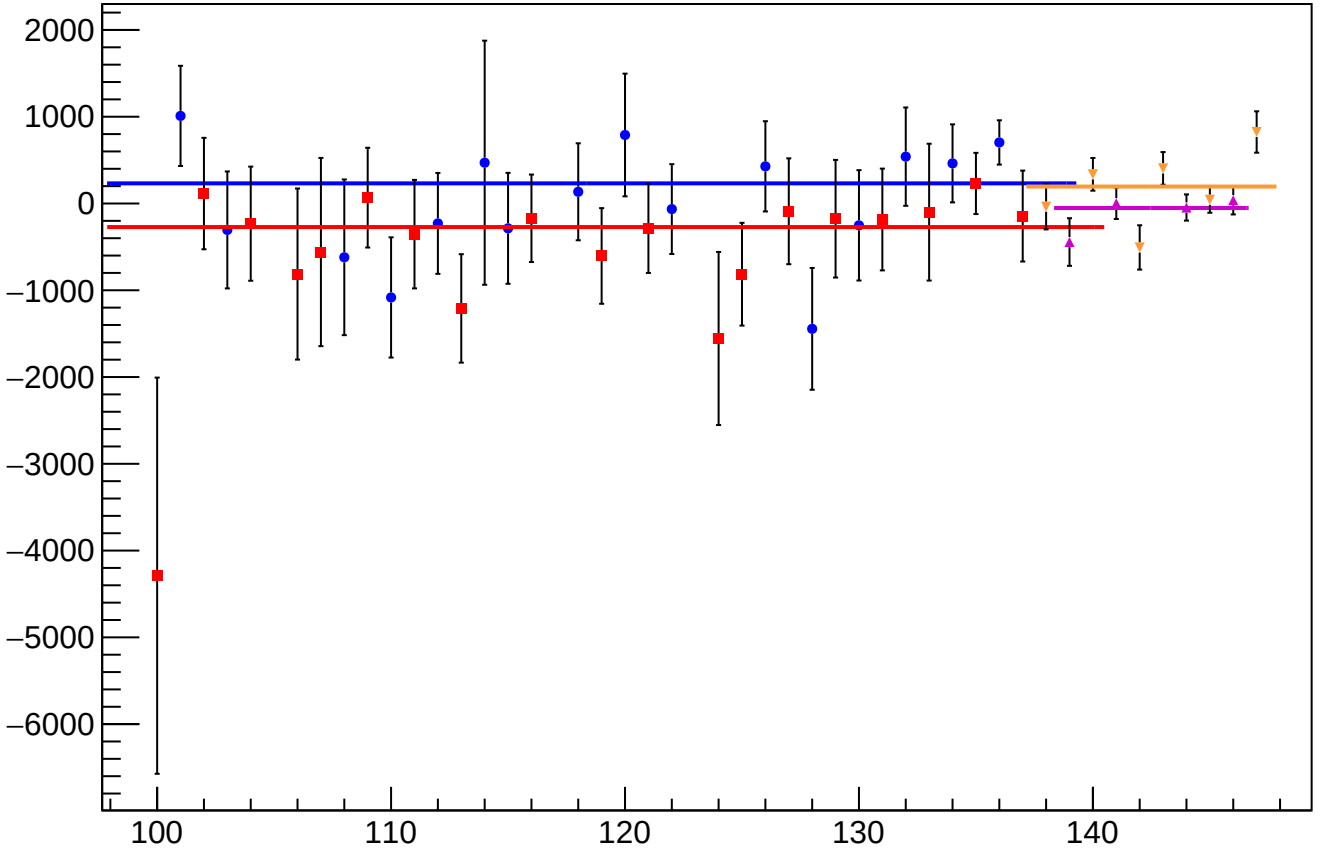
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 23.250+/-0.005 χ^2/NDF:1084578.3/19

Out: 23.570+/-0.005 χ^2/NDF:1268420.1/24

All: 23.416+/-0.004 χ^2/NDF: 2354987.3/44

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 195.449+/-82.073 χ^2/NDF:18.1/5

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -51.666+/-89.512 χ^2/NDF:2.4/3

Left: 82.586+/-60.494 χ^2/NDF: 24.7/9

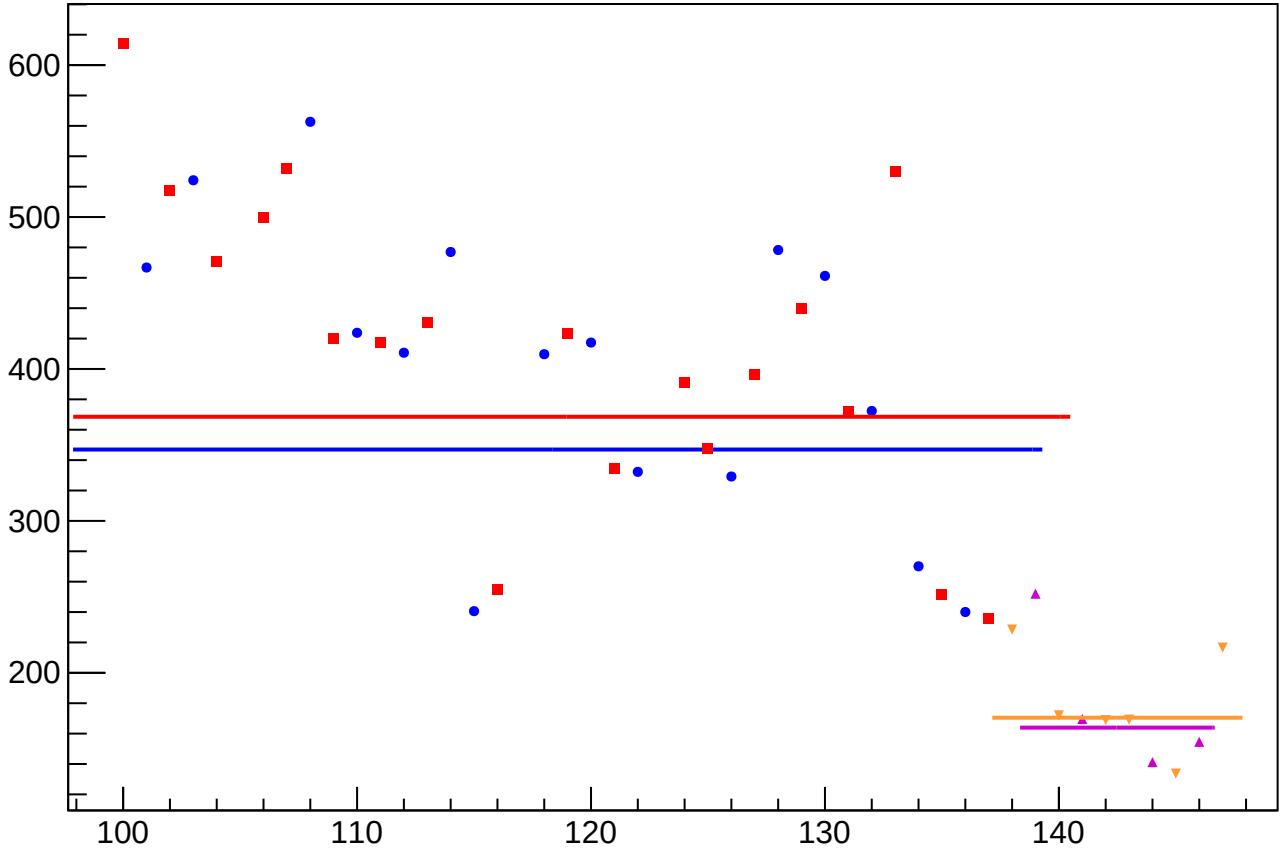
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 35.101+/-74.581 χ^2/NDF:25.2/19

Out: 76.272+/-70.827 χ^2/NDF:38.0/24

All: 56.749+/-51.358 χ^2/NDF: 63.3/44

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: 170.462+/-0.058 χ^2/NDF:294059.4/5

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 163.938+/-0.063 χ^2/NDF:260067.9/3

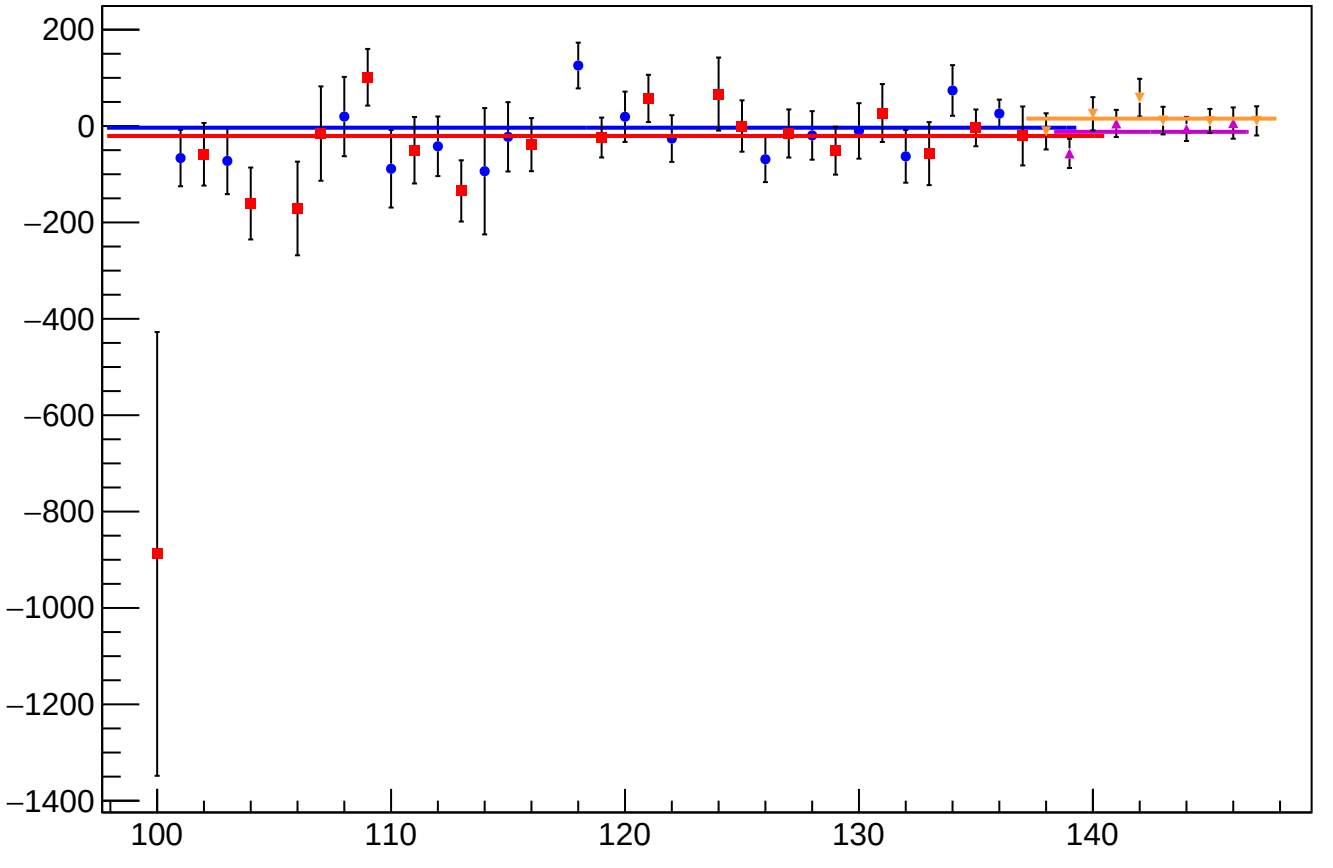
Left: 167.482+/-0.043 χ^2/NDF: 559898.9/9

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 219.907+/-0.053 χ^2/NDF:3875148.0/19

Out: 221.027+/-0.050 χ^2/NDF:4168171.0/24

All: 220.496+/-0.036 χ^2/NDF: 8043556.2/44



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 15.434+/-12.807 χ^2/NDF:1.9/5

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.963+/-14.282 χ^2/NDF:2.9/3

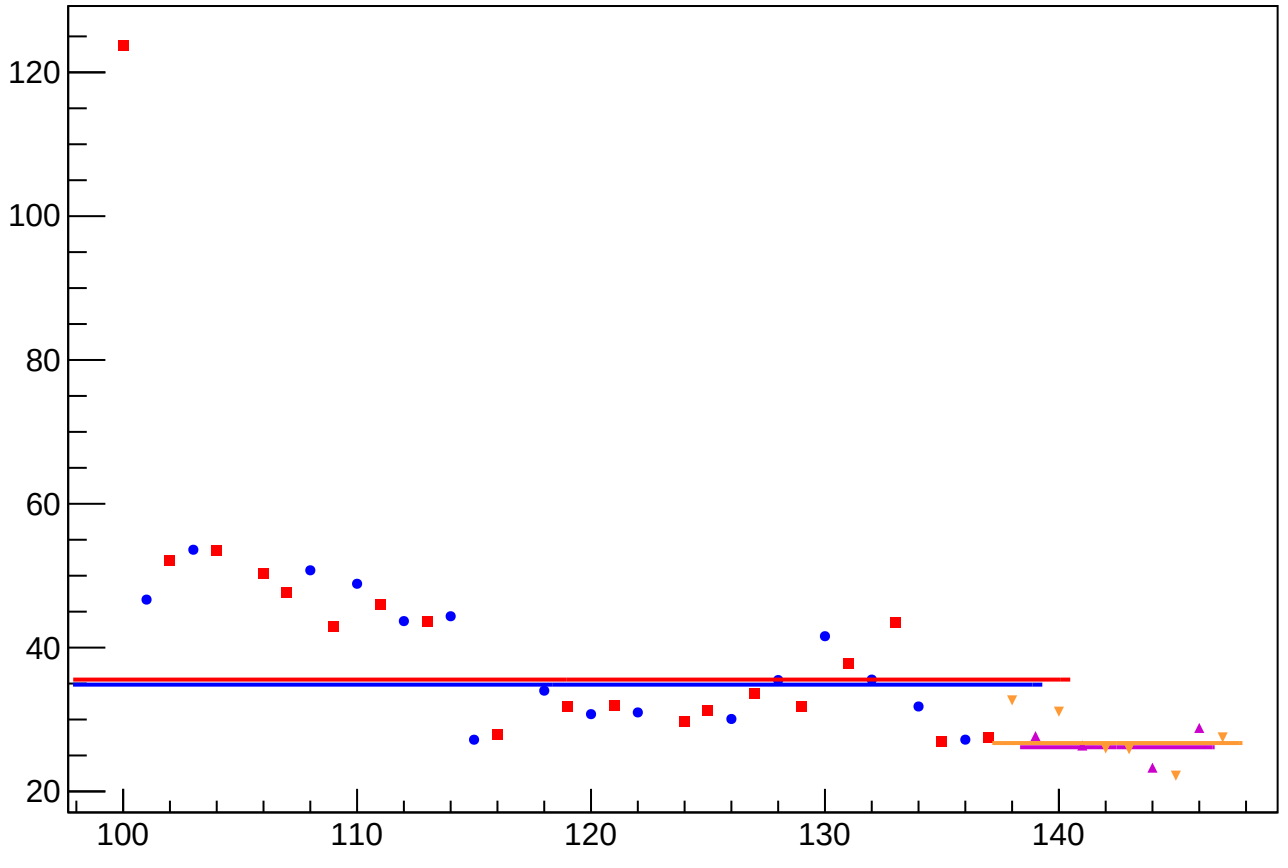
Left: 3.222+/-9.535 χ^2/NDF: 6.9/9

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.419+/-9.769 χ^2/NDF:21.6/19

Out: -1.654+/-9.283 χ^2/NDF:28.8/24

All: -4.390+/-6.729 χ^2/NDF: 50.6/44



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.726+/-0.009 χ^2/NDF:151250.9/5

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.143+/-0.010 χ^2/NDF:44932.3/3

Left: 26.466+/-0.007 χ^2/NDF: 198029.5/9

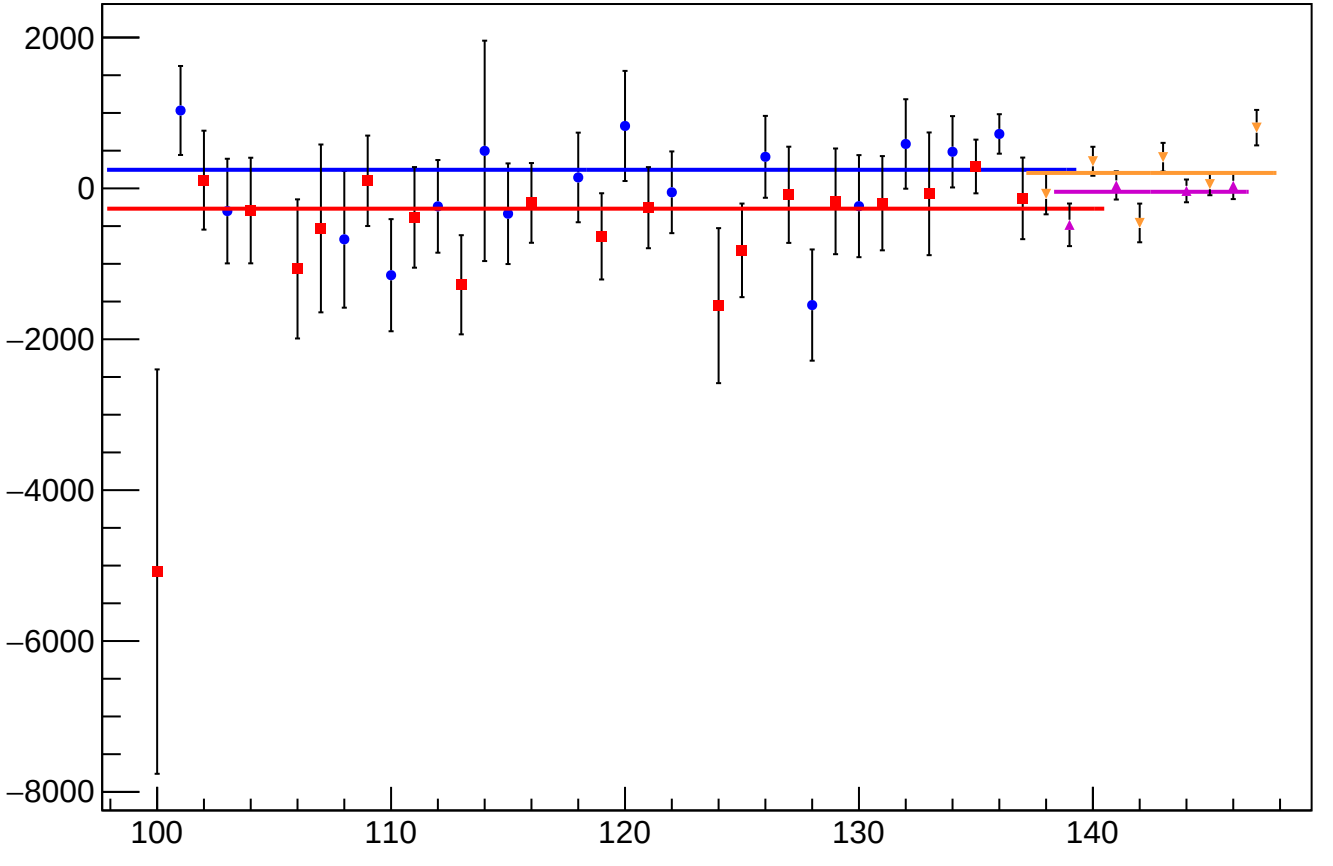
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 30.776+/-0.007 χ^2/NDF:1098625.9/19

Out: 30.916+/-0.007 χ^2/NDF:1381997.4/24

All: 30.850+/-0.005 χ^2/NDF: 2480836.7/44

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: 204.997+/-82.067 χ^2/NDF:17.1/5

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -45.097+/-92.324 χ^2/NDF:2.8/3

Left: 94.610+/-61.337 χ^2/NDF: 24.1/9

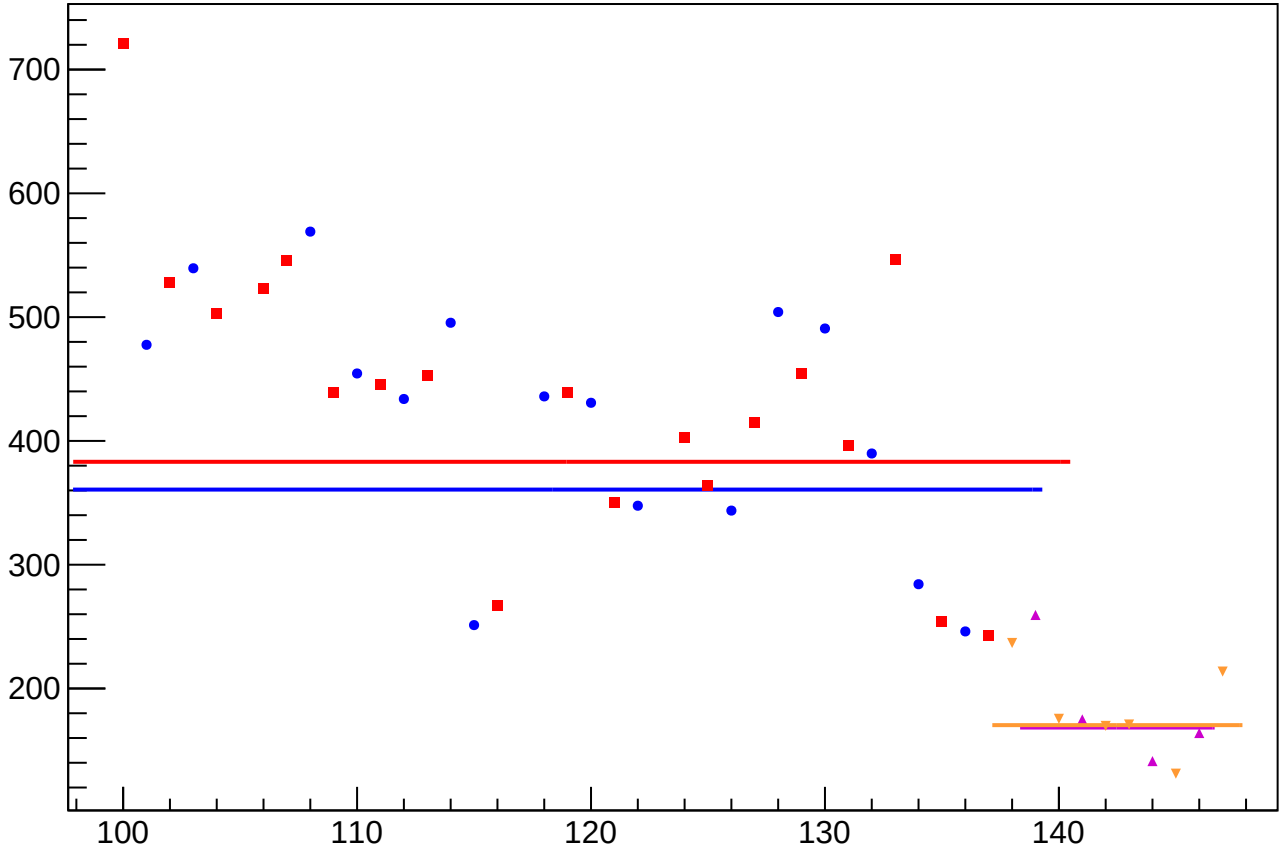
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 43.041+/-77.119 χ^2/NDF:25.6/19

Out: 90.374+/-71.456 χ^2/NDF:37.8/24

All: 68.509+/-52.415 χ^2/NDF: 63.6/44

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: 170.403+/-0.058 χ^2/NDF:332874.1/5

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 168.451+/-0.065 χ^2/NDF:275723.8/3

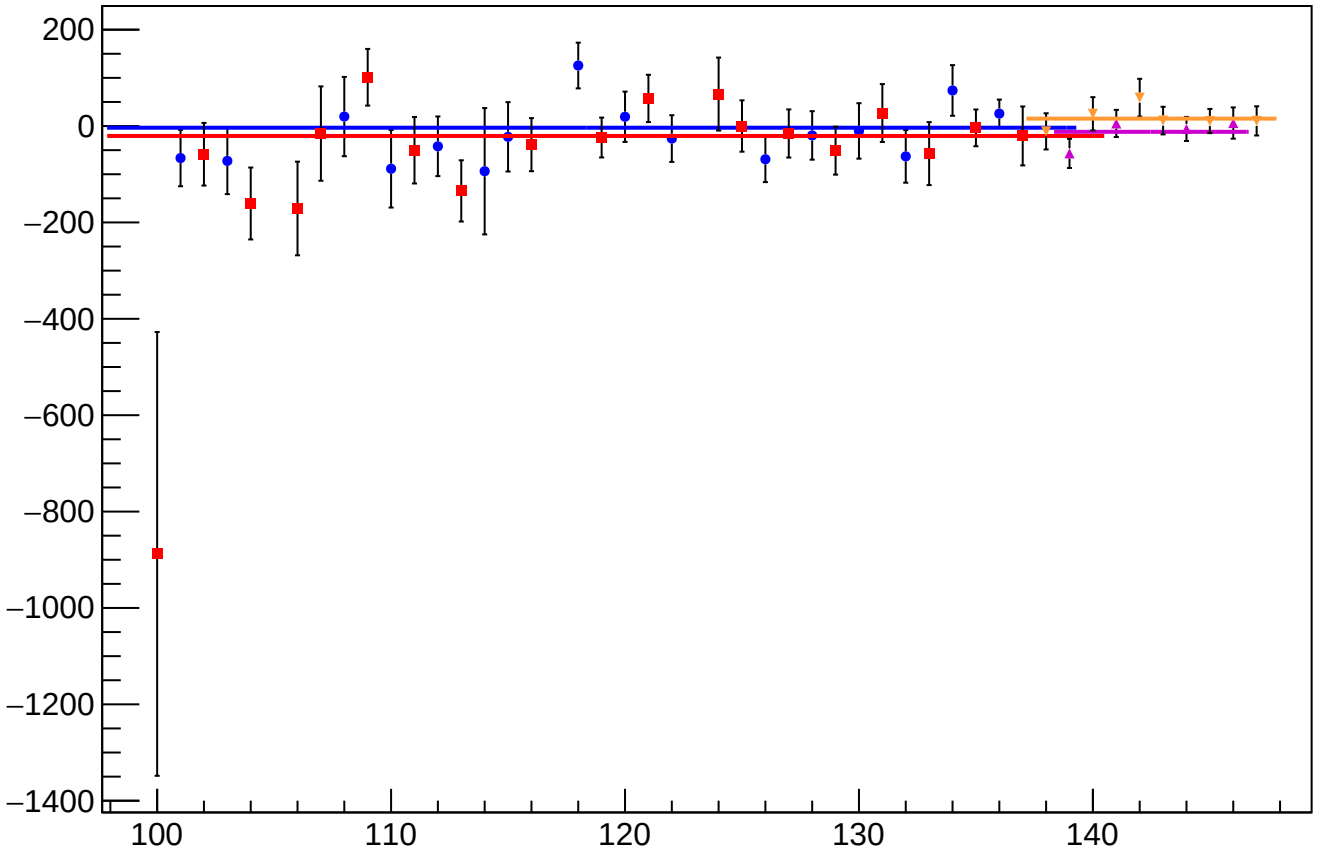
Left: 169.542+/-0.043 χ^2/NDF: 609097.2/9

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 226.556+/-0.055 χ^2/NDF:3989452.0/19

Out: 221.855+/-0.051 χ^2/NDF:4546305.5/24

All: 224.027+/-0.037 χ^2/NDF: 8539757.1/44



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 15.434+/-12.807 χ^2/NDF:1.9/5

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.963+/-14.282 χ^2/NDF:2.9/3

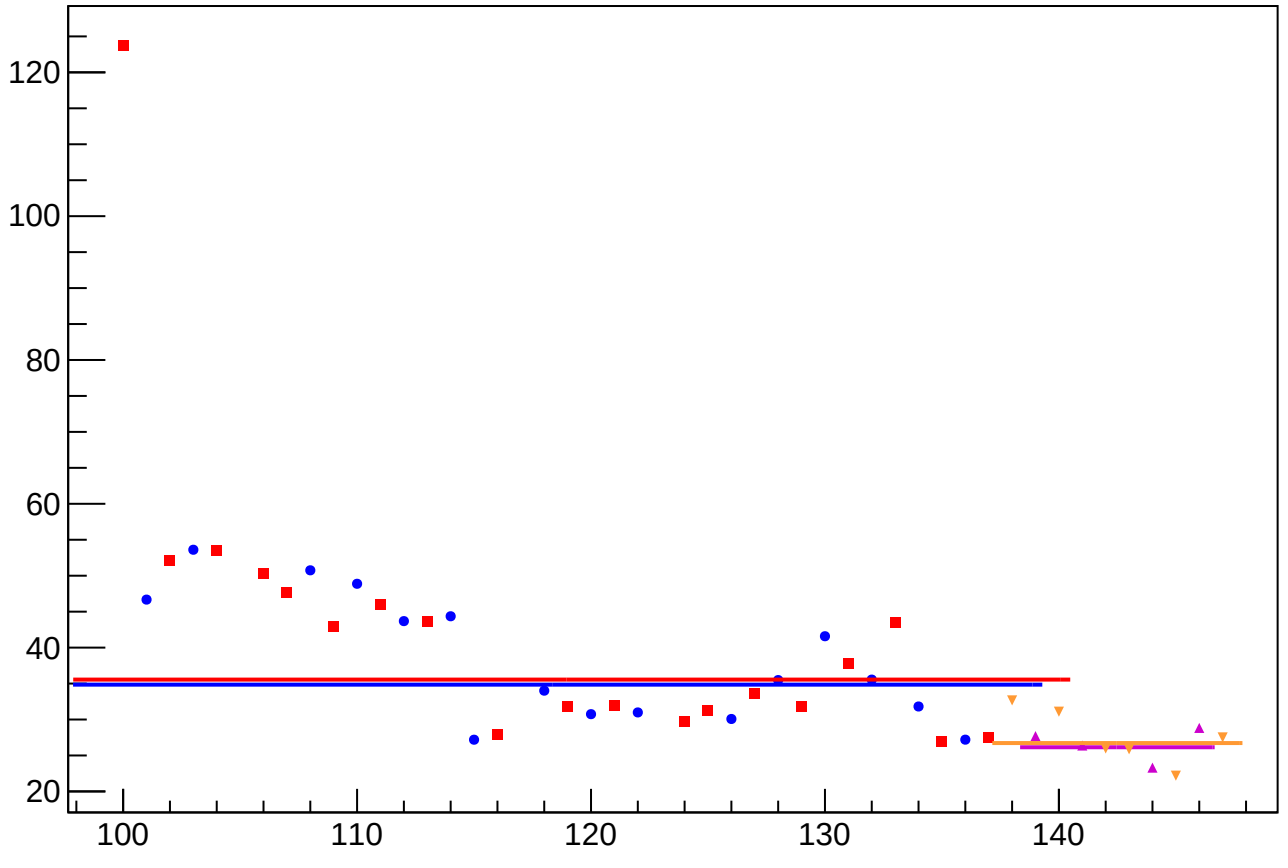
Left: 3.222+/-9.535 χ^2/NDF: 6.9/9

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.420+/-9.769 χ^2/NDF:21.6/19

Out: -1.654+/-9.283 χ^2/NDF:28.8/24

All: -4.390+/-6.729 χ^2/NDF: 50.6/44



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.726+/-0.009 χ^2/NDF:151233.8/5

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.143+/-0.010 χ^2/NDF:44927.6/3

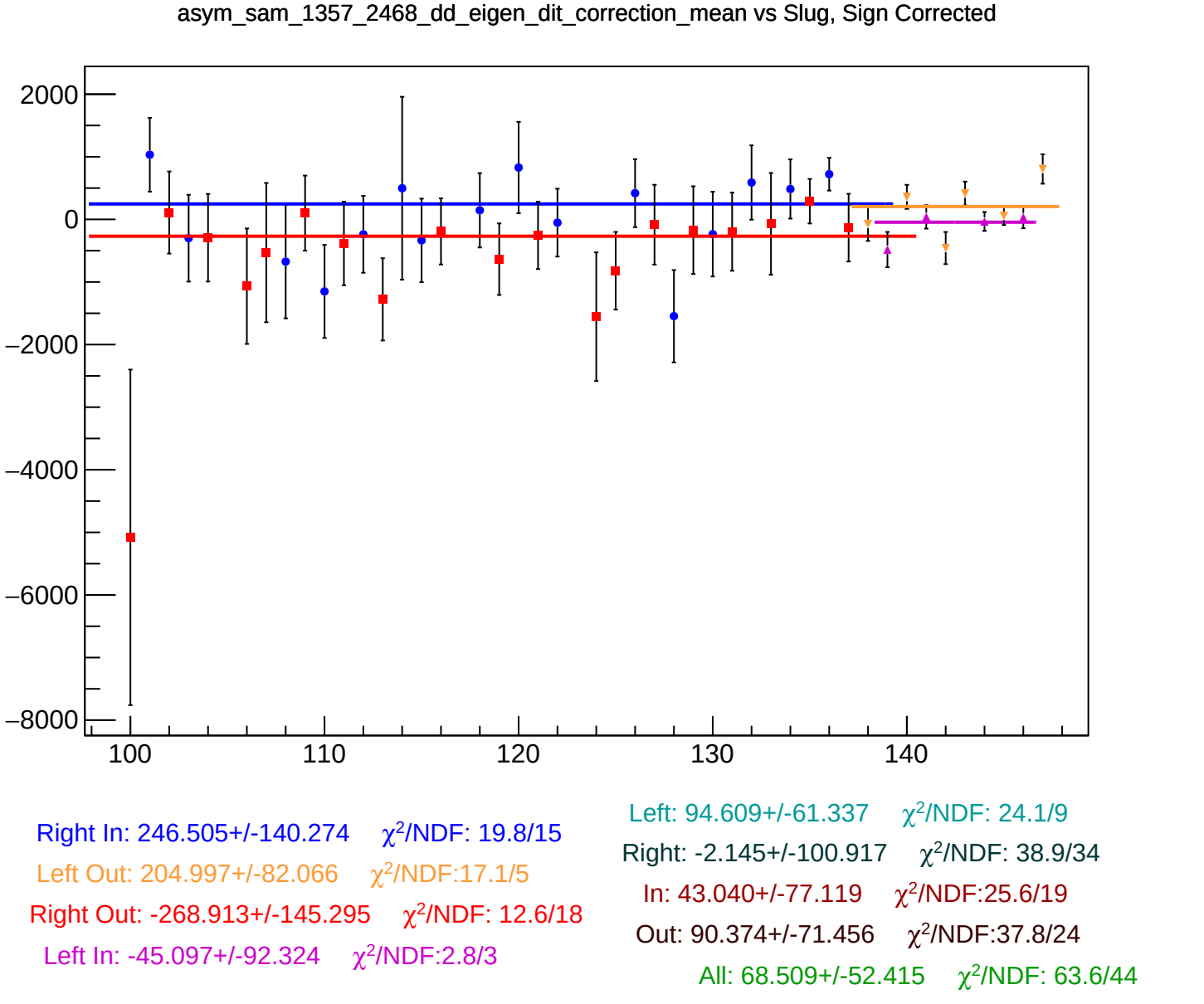
Left: 26.466+/-0.007 χ^2/NDF: 198008.3/9

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

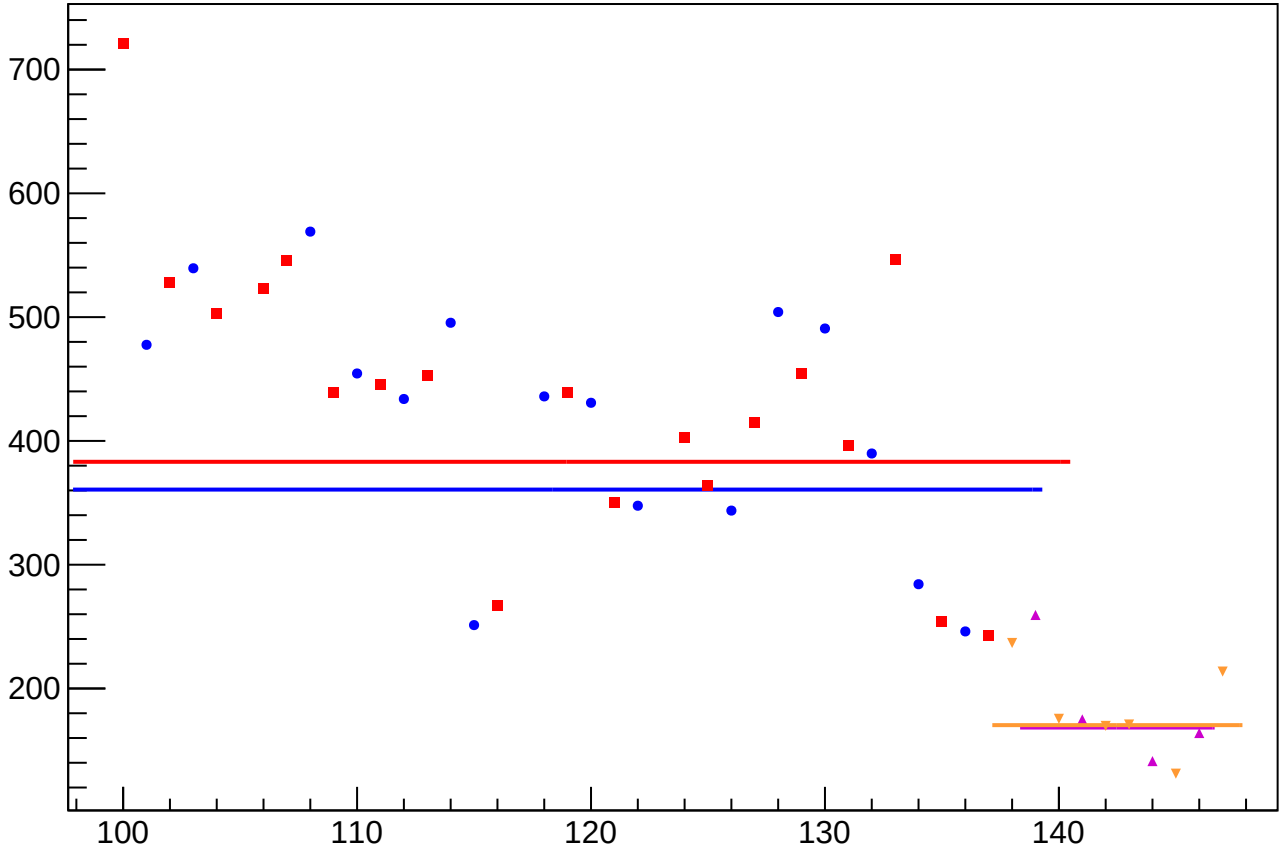
In: 30.776+/-0.007 χ^2/NDF:1098534.5/19

Out: 30.915+/-0.007 χ^2/NDF:1381911.0/24

All: 30.849+/-0.005 χ^2/NDF: 2480659.3/44


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
Right In: 246.505+/-140.274 χ²/NDF: 19.8/15
Left Out: 204.997+/-82.066 χ²/NDF:17.1/5
Right Out: -268.913+/-145.295 χ²/NDF: 12.6/18
Left In: -45.097+/-92.324 χ²/NDF:2.8/3
Left: 94.609+/-61.337 χ²/NDF: 24.1/9
Right: -2.145+/-100.917 χ²/NDF: 38.9/34
In: 43.040+/-77.119 χ²/NDF:25.6/19
Out: 90.374+/-71.456 χ²/NDF:37.8/24
All: 68.509+/-52.415 χ²/NDF: 63.6/44

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: 170.402+/-0.058 χ^2/NDF:332878.5/5

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 168.451+/-0.065 χ^2/NDF:275719.9/3

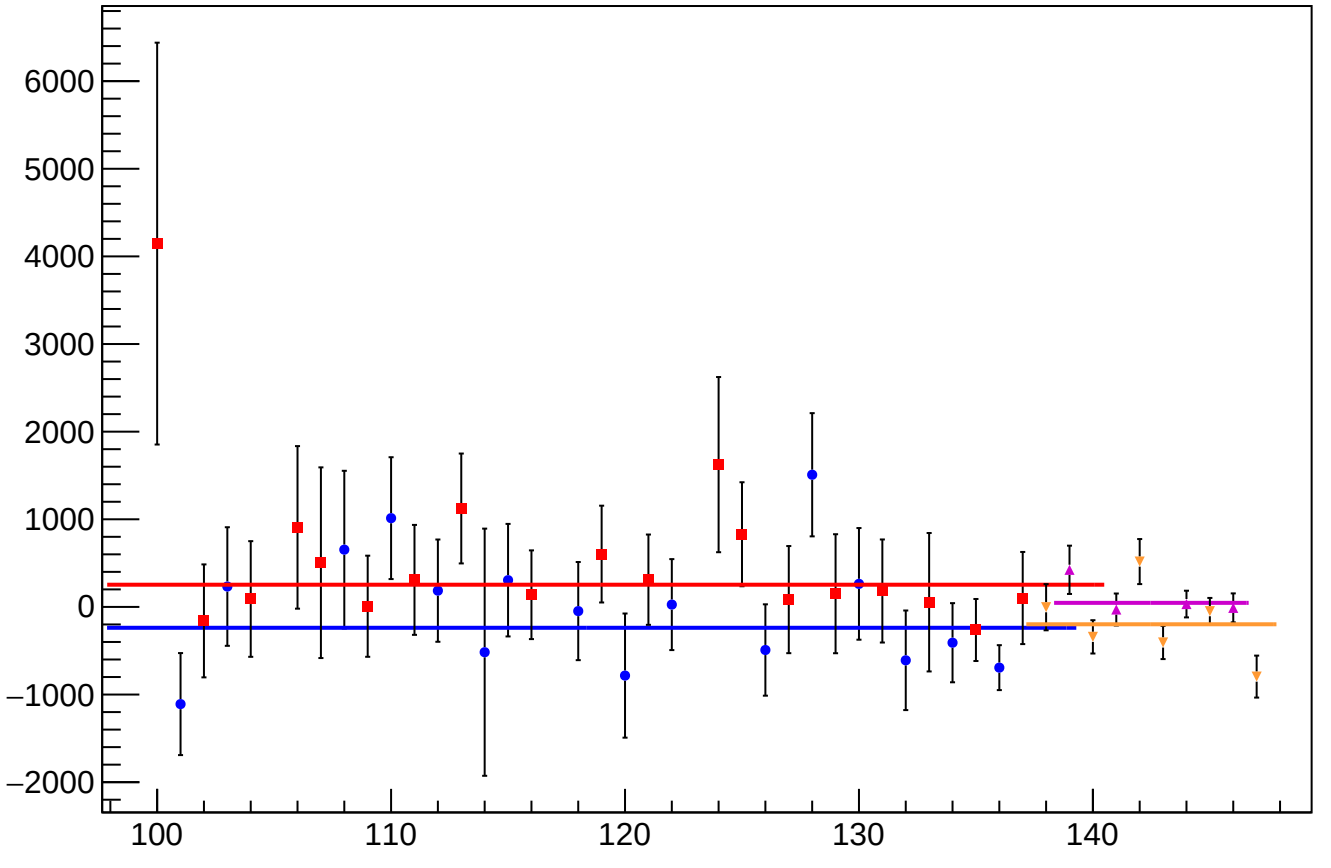
Left: 169.541+/-0.043 χ^2/NDF: 609097.5/9

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 226.556+/-0.055 χ^2/NDF:3989443.2/19

Out: 221.854+/-0.051 χ^2/NDF:4546319.4/24

All: 224.026+/-0.037 χ^2/NDF: 8539762.7/44



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -198.033+/-82.687 χ^2/NDF:17.3/5

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 46.385+/-90.204 χ^2/NDF:2.2/3

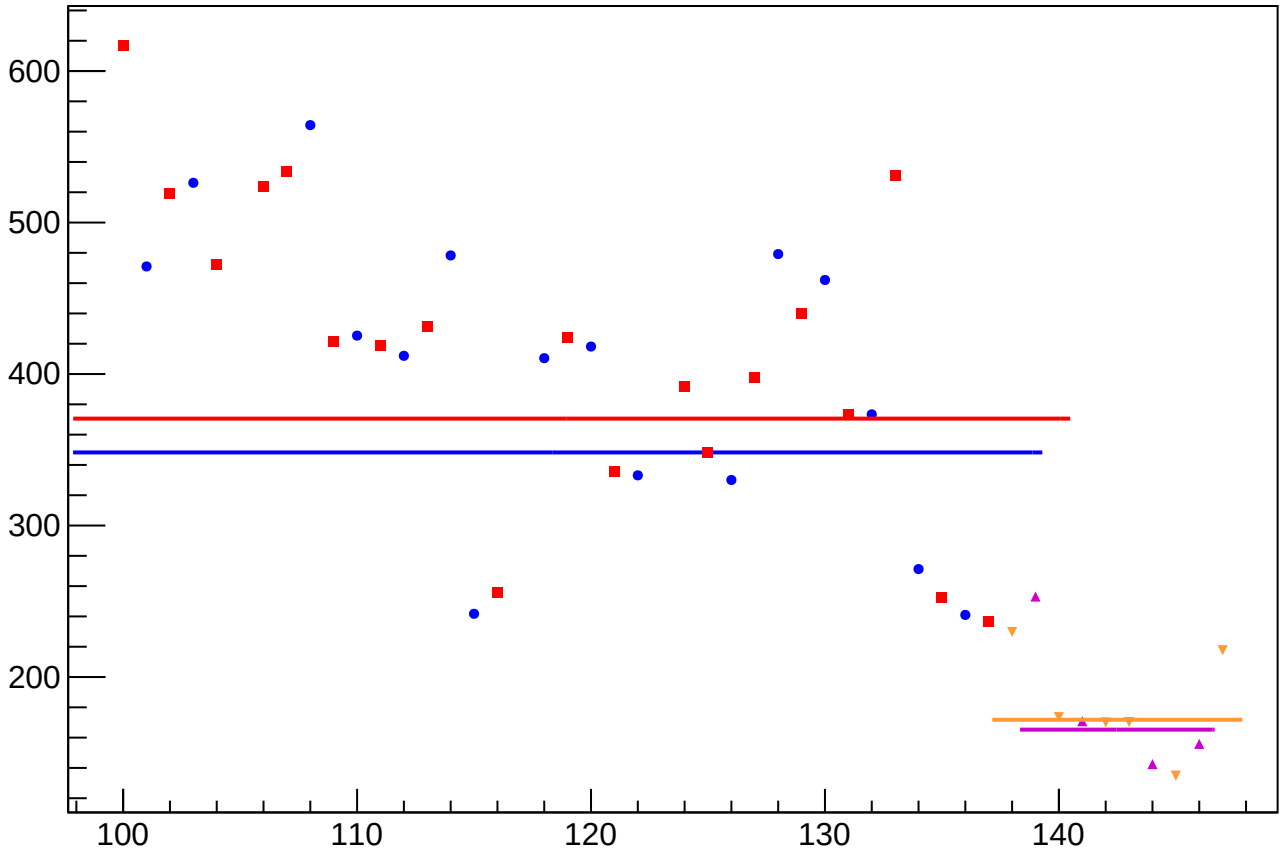
Left: -86.431+/-60.953 χ^2/NDF: 23.4/9

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -41.093+/-75.062 χ^2/NDF:25.2/19

Out: -81.783+/-71.251 χ^2/NDF:36.6/24

All: -62.497+/-51.677 χ^2/NDF: 62.0/44



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 171.799+/-0.058 χ^2/NDF:289501.4/5

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 165.267+/-0.064 χ^2/NDF:256329.9/3

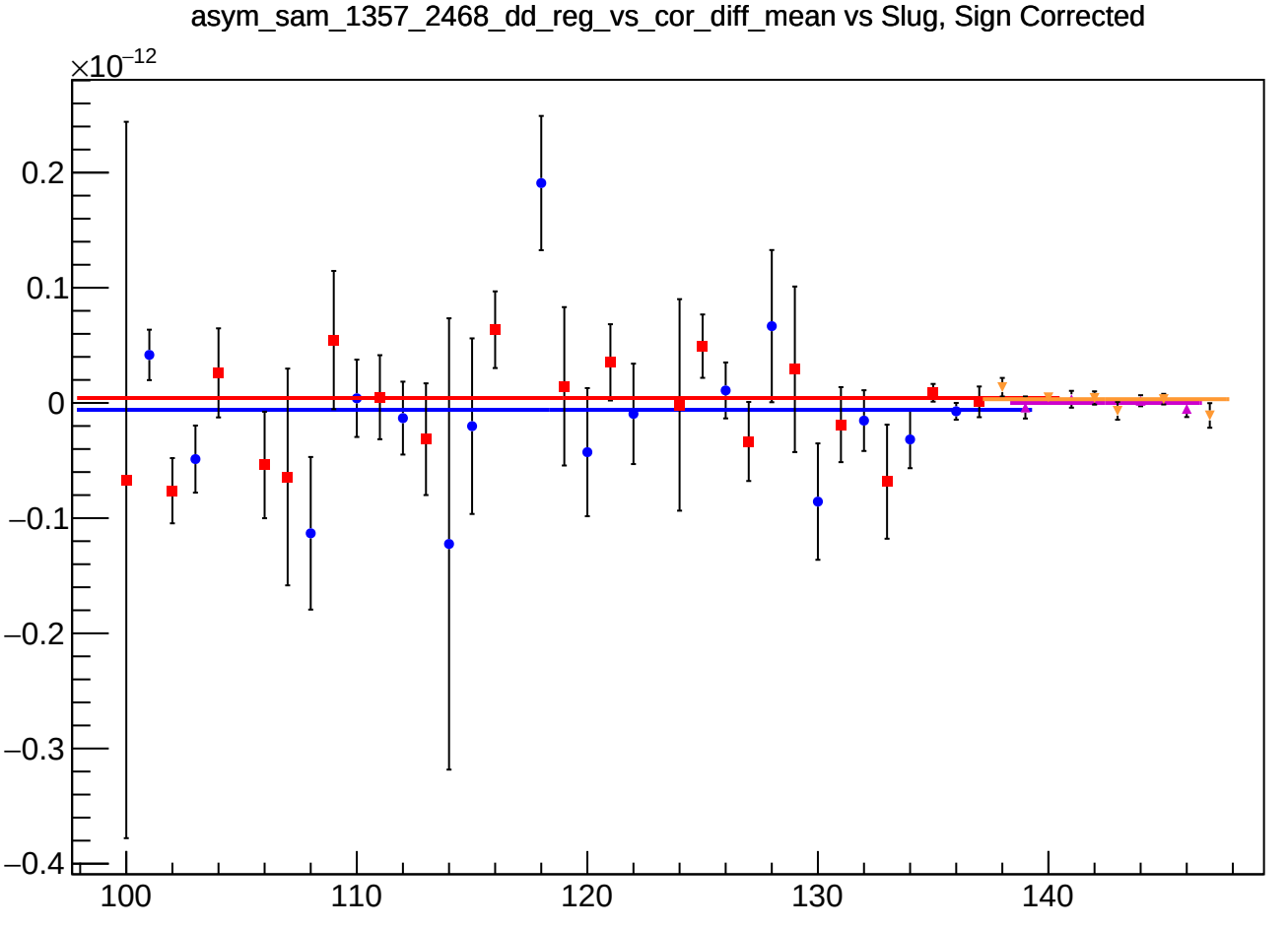
Left: 168.817+/-0.043 χ^2/NDF: 551529.2/9

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 221.546+/-0.053 χ^2/NDF:3844400.9/19

Out: 222.984+/-0.050 χ^2/NDF:4183779.7/24

All: 222.303+/-0.037 χ^2/NDF: 8028566.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/5

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/3

Left: 0.000+/-0.000 χ^2/NDF: 7.0/9

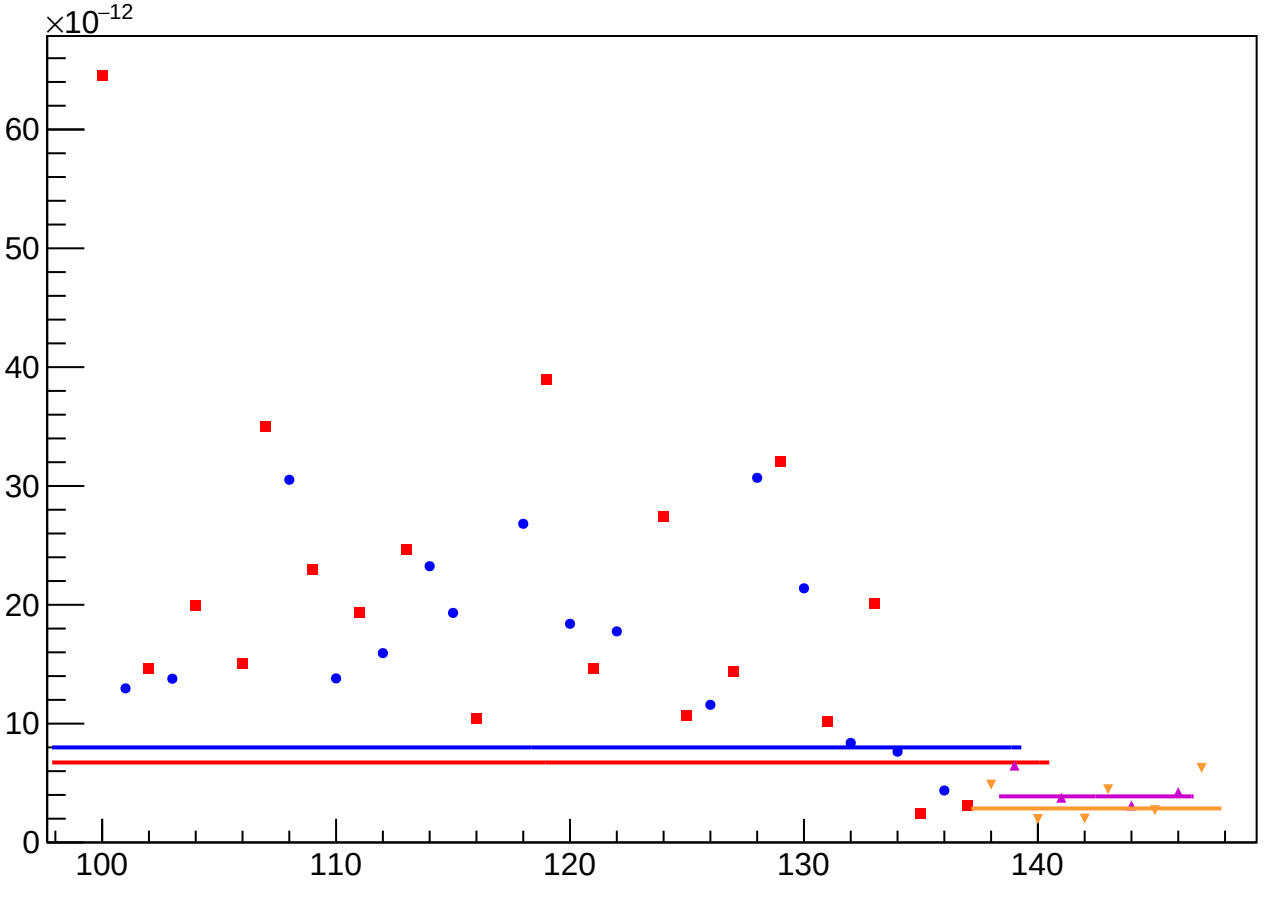
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:29.2/19

Out: 0.000+/-0.000 χ^2/NDF:28.3/24

All: 0.000+/-0.000 χ^2/NDF: 59.4/44

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:558976.2/5

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:203486.4/3

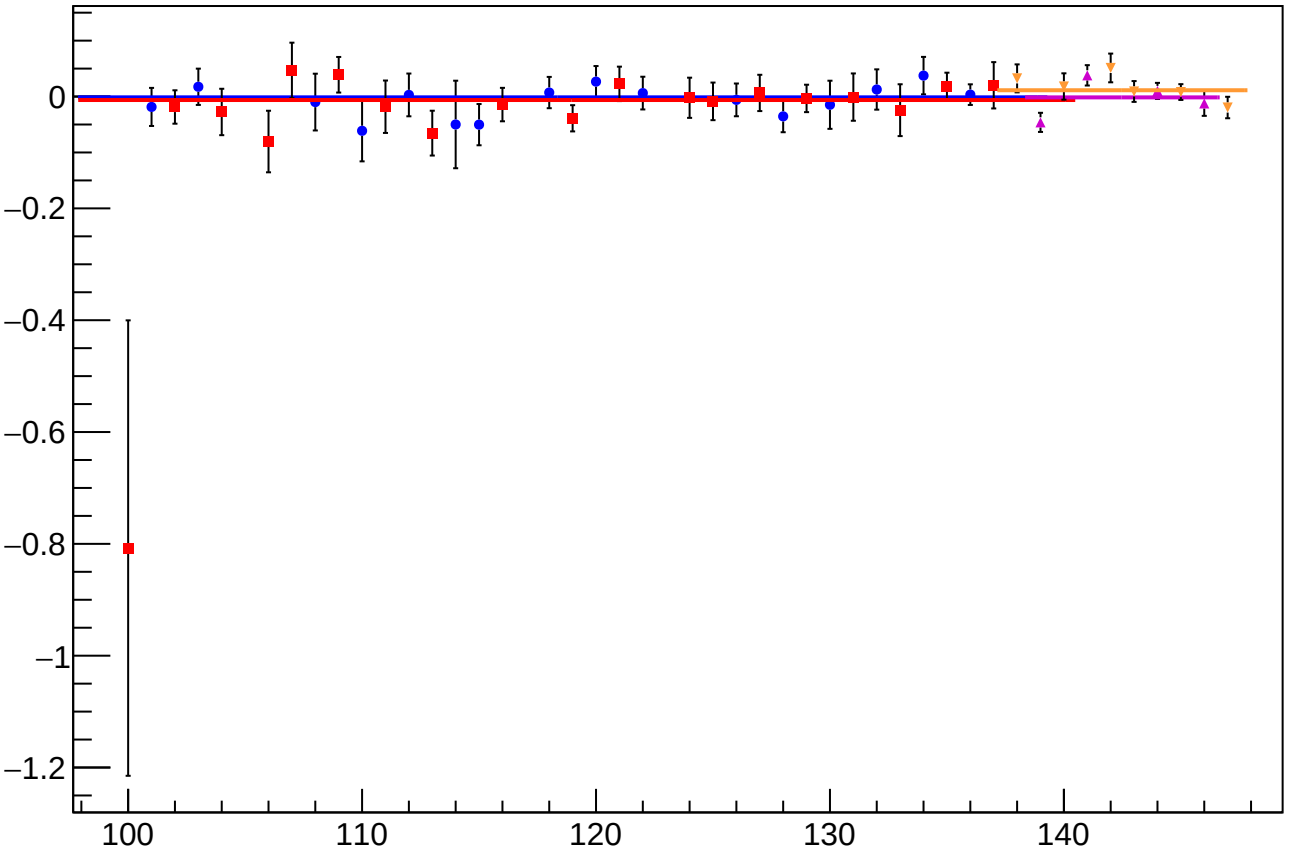
Left: 0.000+/-0.000 χ^2/NDF: 889178.9/9

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:2941657.5/19

Out: 0.000+/-0.000 χ^2/NDF:4759825.5/24

All: 0.000+/-0.000 χ^2/NDF: 8030856.3/44



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.011+/-0.008 χ^2/NDF:5.9/5

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.009 χ^2/NDF:12.4/3

Left: 0.005+/-0.006 χ^2/NDF: 19.4/9

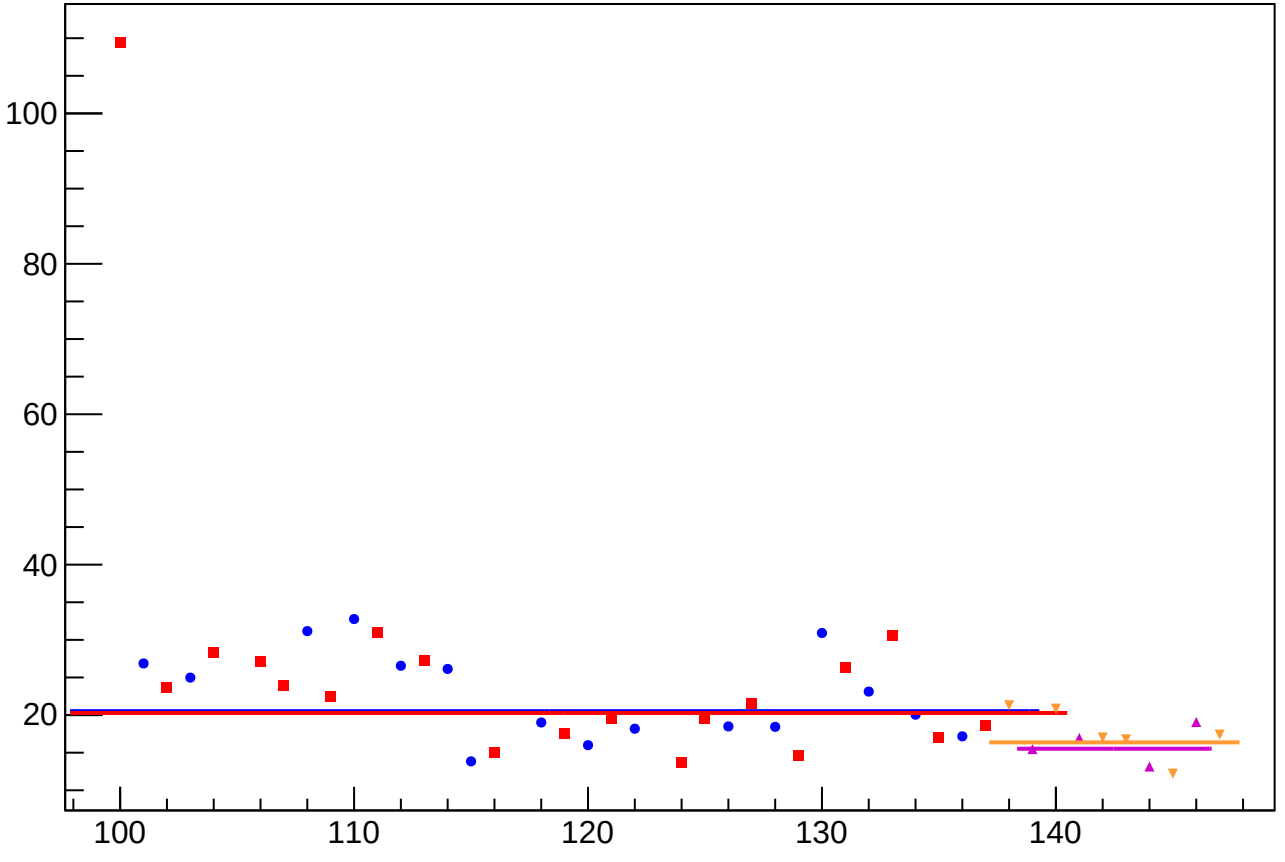
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.7/19

Out: 0.002+/-0.006 χ^2/NDF:24.5/24

All: 0.001+/-0.004 χ^2/NDF: 45.4/44

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: 16.371+/-0.006 χ^2/NDF:332265.3/5

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.525+/-0.006 χ^2/NDF:117404.4/3

Left: 15.981+/-0.004 χ^2/NDF: 459912.8/9

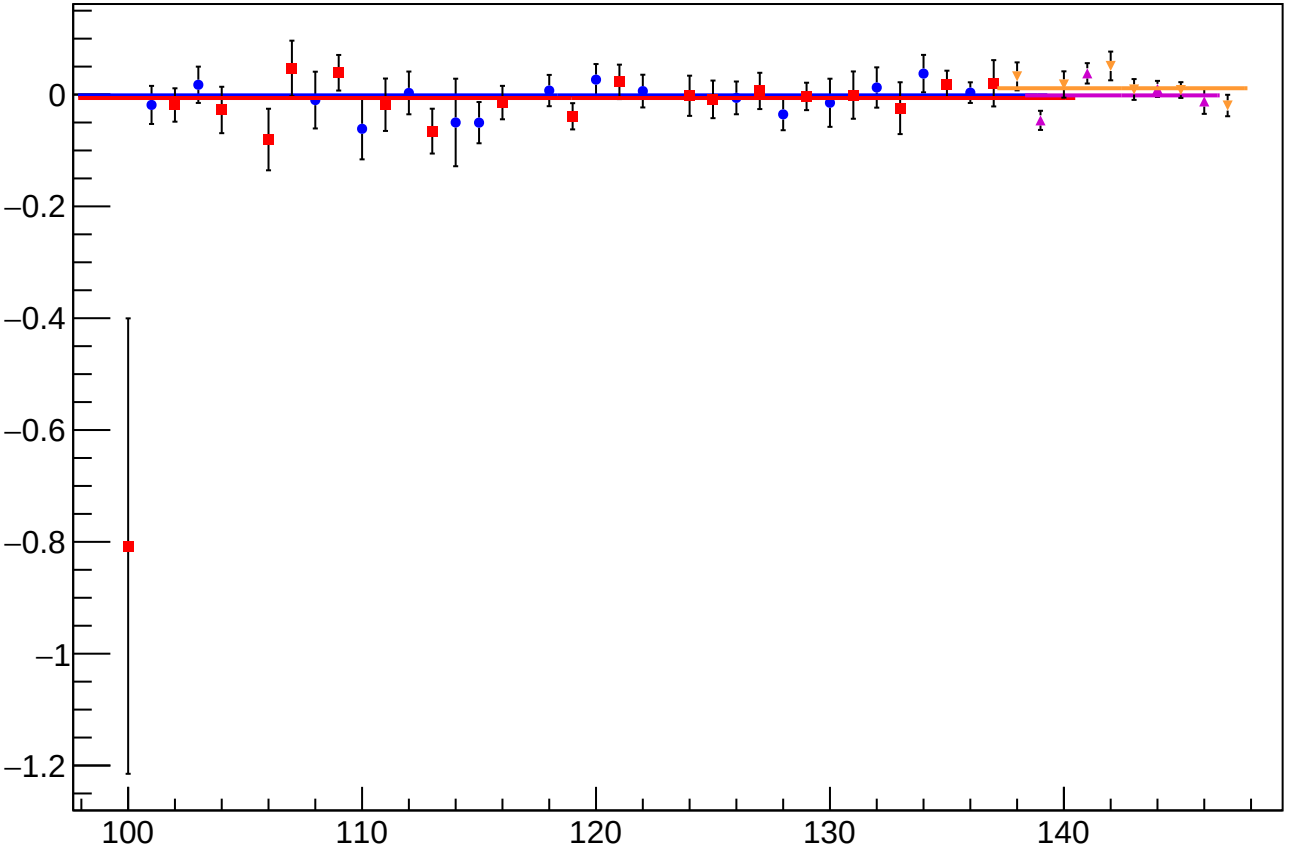
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.208+/-0.004 χ^2/NDF:1179343.3/19

Out: 18.361+/-0.004 χ^2/NDF:1438375.8/24

All: 18.288+/-0.003 χ^2/NDF: 2618421.0/44

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: 0.011+/-0.008 χ^2/NDF:5.9/5

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.001+/-0.009 χ^2/NDF:12.4/3

Left: 0.005+/-0.006 χ^2/NDF: 19.4/9

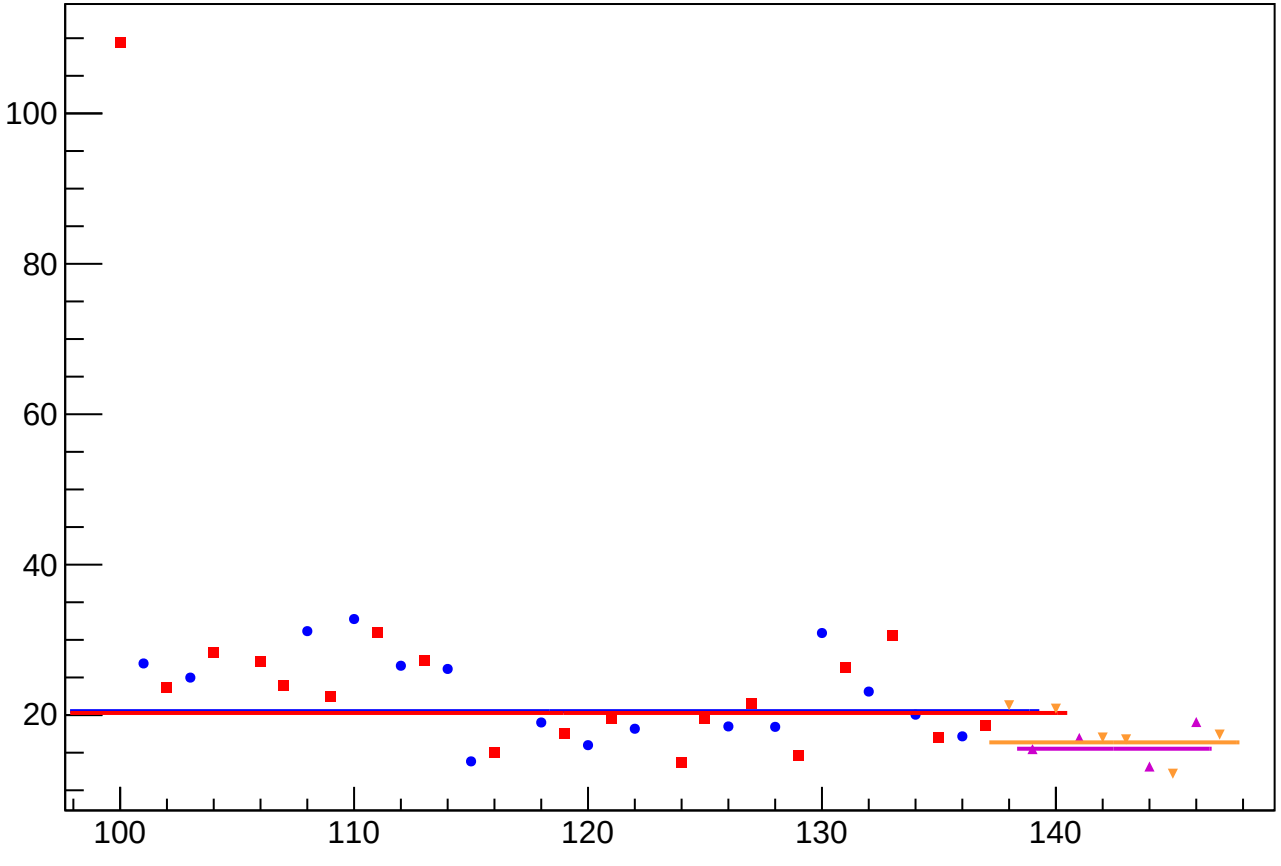
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.7/19

Out: 0.002+/-0.006 χ^2/NDF:24.5/24

All: 0.001+/-0.004 χ^2/NDF: 45.4/44

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: 16.371+/-0.006 χ^2/NDF:332265.3/5

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 15.525+/-0.006 χ^2/NDF:117404.4/3

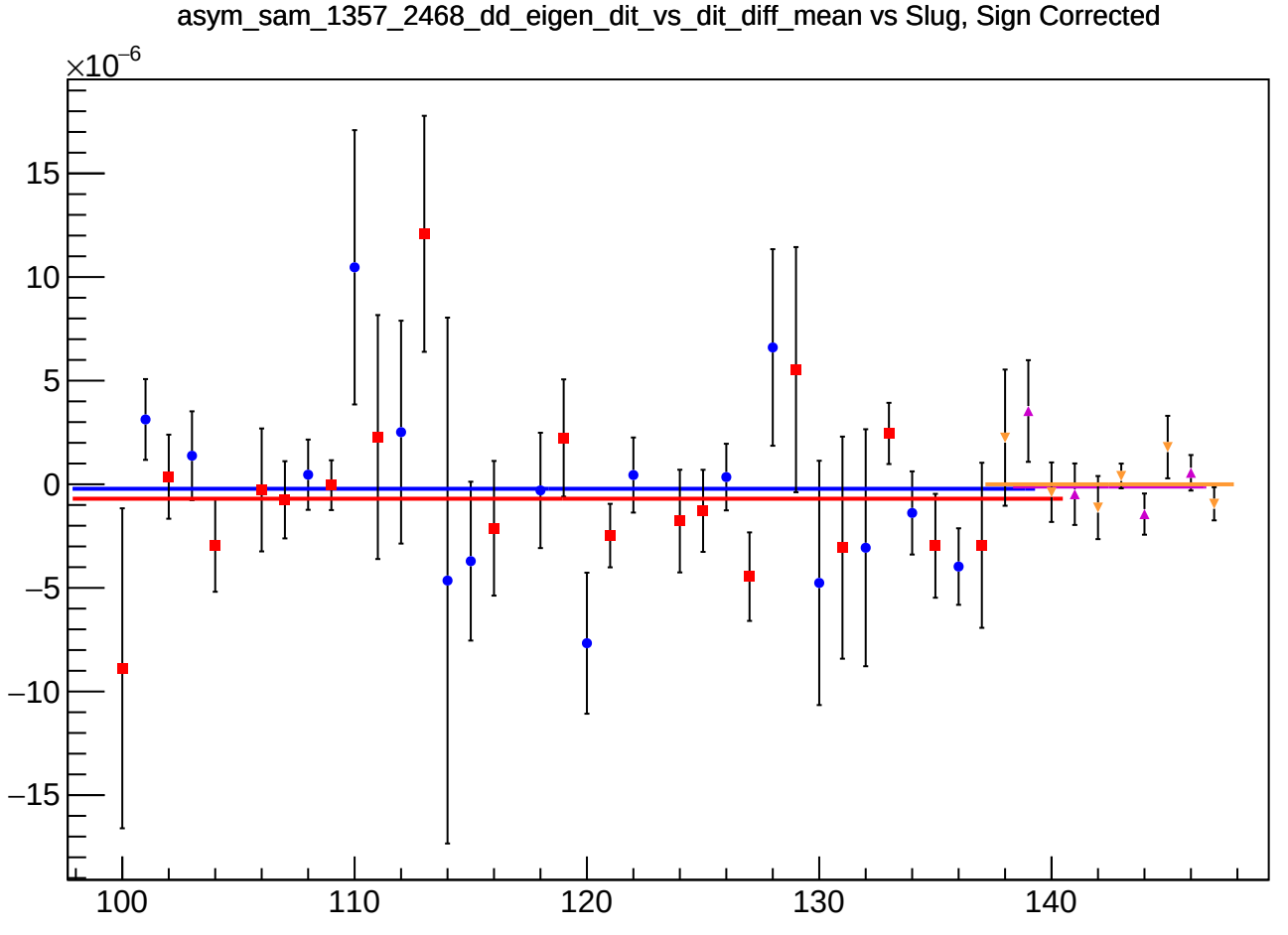
Left: 15.981+/-0.004 χ^2/NDF: 459912.8/9

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.208+/-0.004 χ^2/NDF:1179343.3/19

Out: 18.361+/-0.004 χ^2/NDF:1438375.8/24

All: 18.288+/-0.003 χ^2/NDF: 2618421.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/3

Left: -0.000+/-0.000 χ^2/NDF: 9.0/9

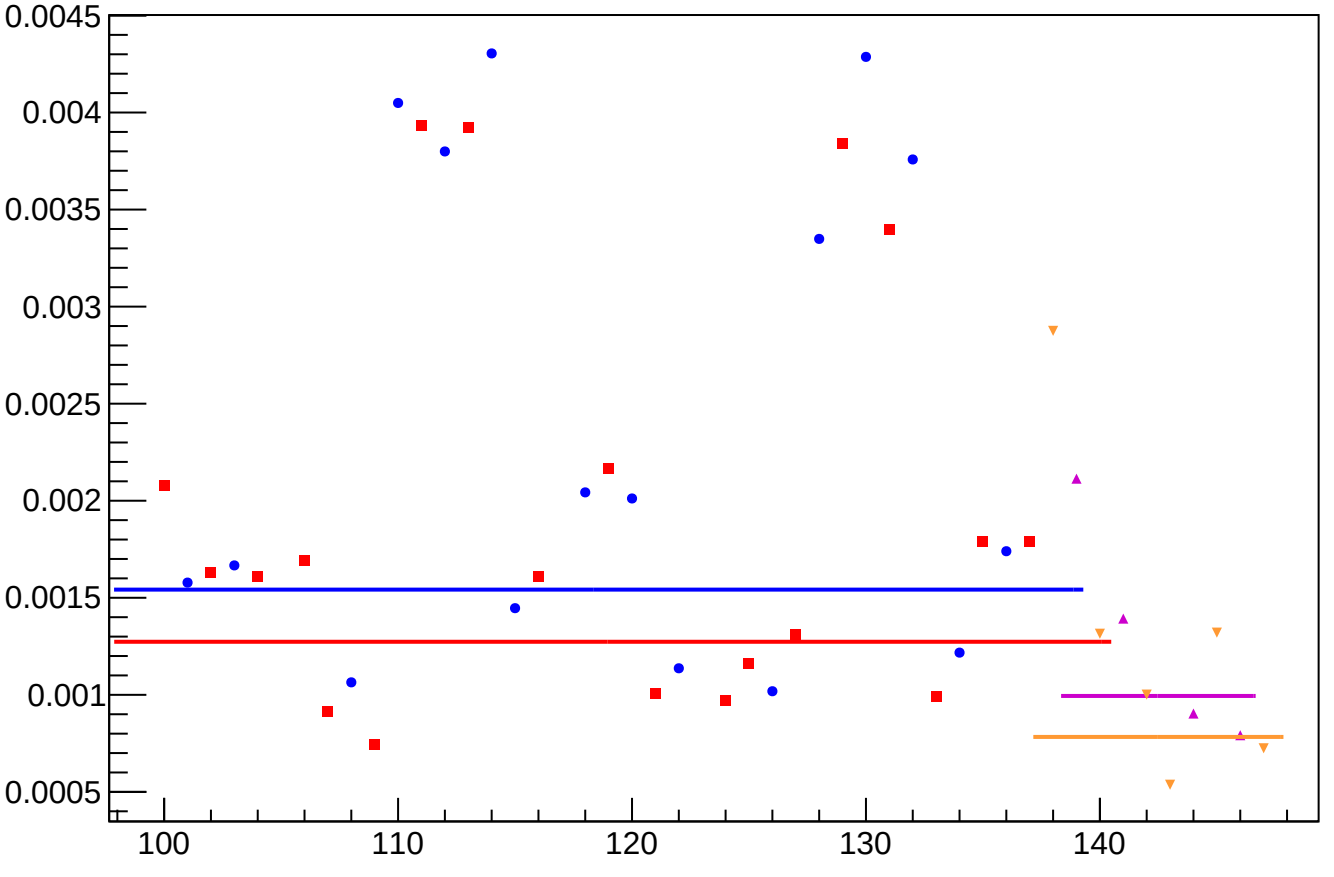
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:24.6/19

Out: -0.000+/-0.000 χ^2/NDF:26.4/24

All: -0.000+/-0.000 χ^2/NDF: 51.0/44

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:1731007.4/5

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:688677.7/3

Left: 0.001+/-0.000 χ^2/NDF: 2595872.4/9

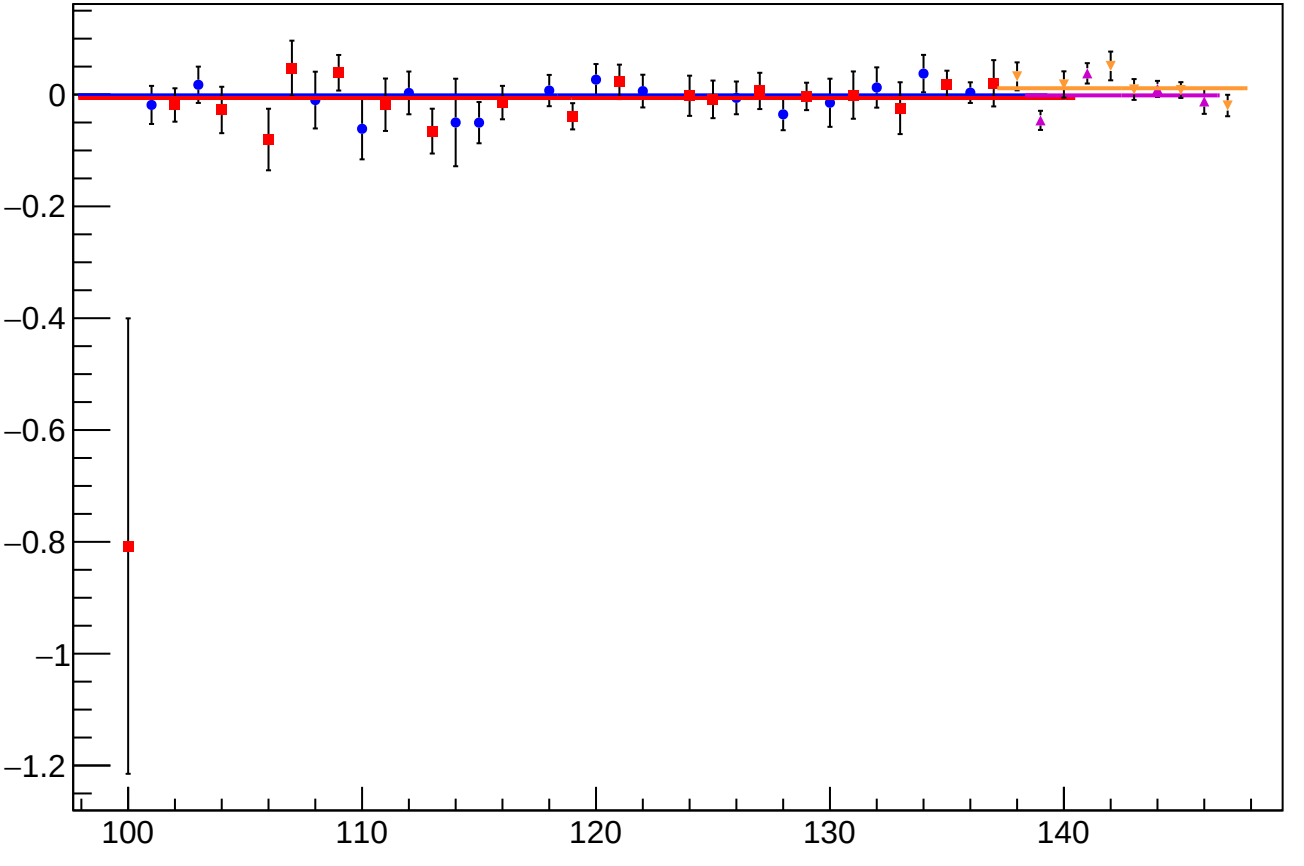
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:3925658.8/19

Out: 0.001+/-0.000 χ^2/NDF:5474490.8/24

All: 0.001+/-0.000 χ^2/NDF: 9916645.6/44

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: 0.011+/-0.008 χ^2/NDF:5.9/5

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.009 χ^2/NDF:12.4/3

Left: 0.005+/-0.006 χ^2/NDF: 19.4/9

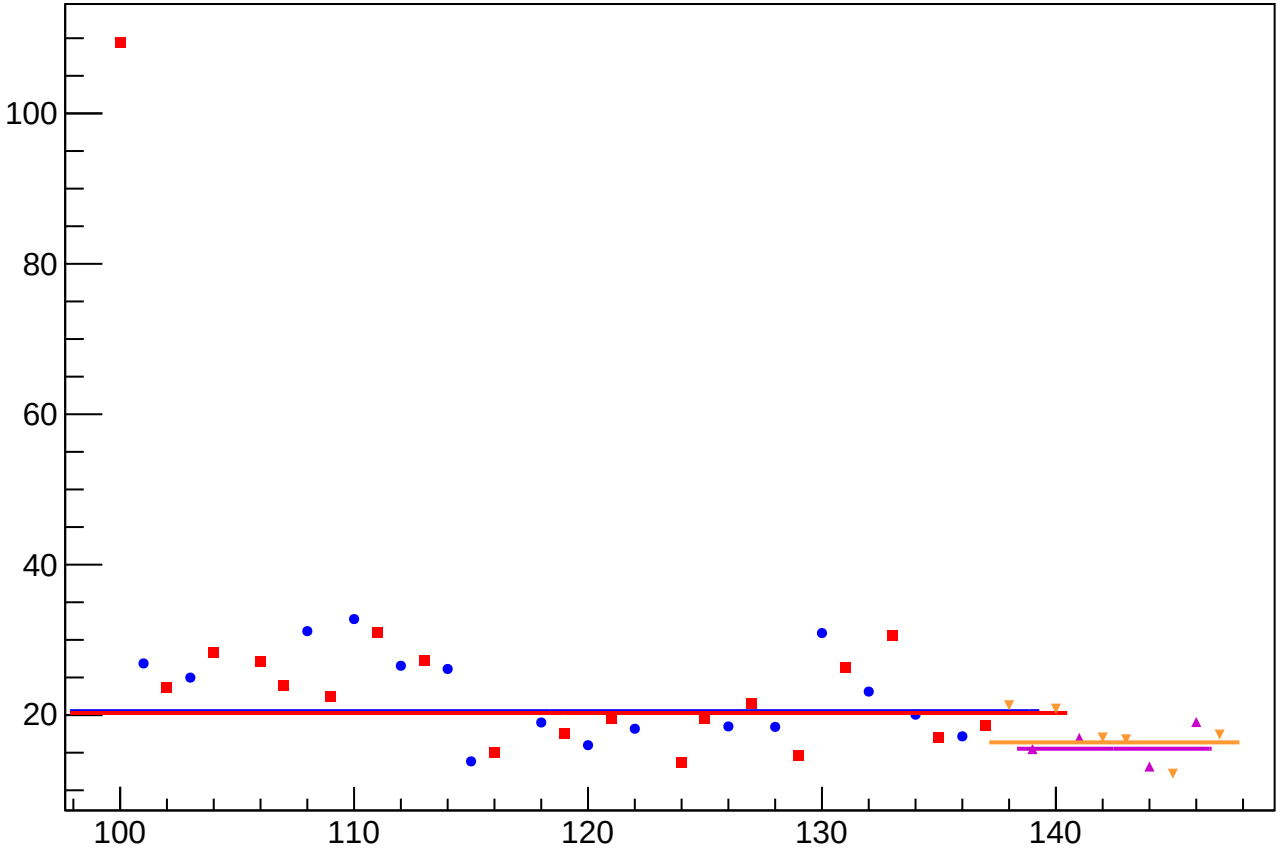
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.7/19

Out: 0.002+/-0.006 χ^2/NDF:24.5/24

All: 0.001+/-0.004 χ^2/NDF: 45.4/44

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: 16.371+/-0.006 χ^2/NDF:332194.7/5

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.524+/-0.006 χ^2/NDF:117399.5/3

Left: 15.981+/-0.004 χ^2/NDF: 459844.1/9

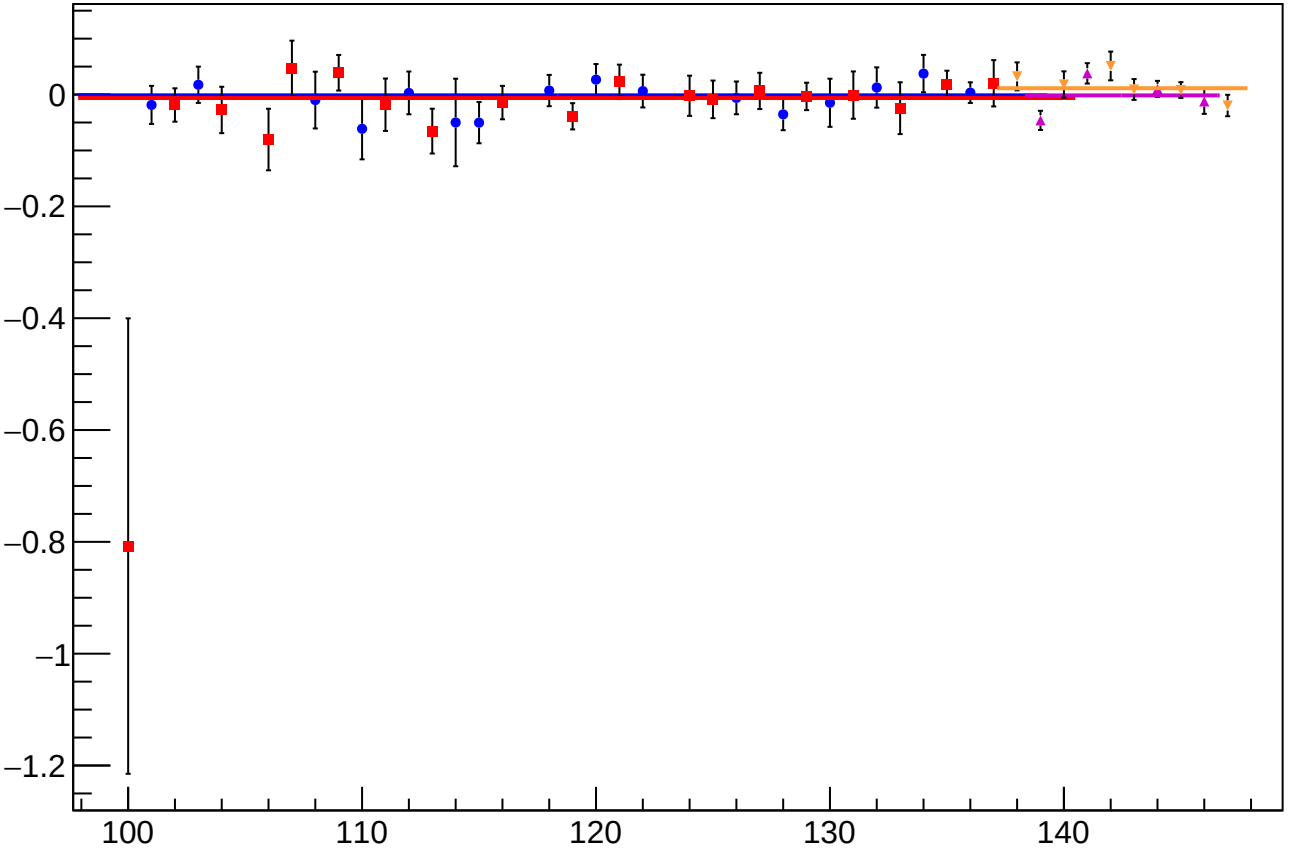
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.208+/-0.004 χ^2/NDF:1179162.3/19

Out: 18.360+/-0.004 χ^2/NDF:1438209.3/24

All: 18.288+/-0.003 χ^2/NDF: 2618074.4/44

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: 0.011+/-0.008 χ^2/NDF:5.9/5

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.009 χ^2/NDF:12.4/3

Left: 0.005+/-0.006 χ^2/NDF: 19.4/9

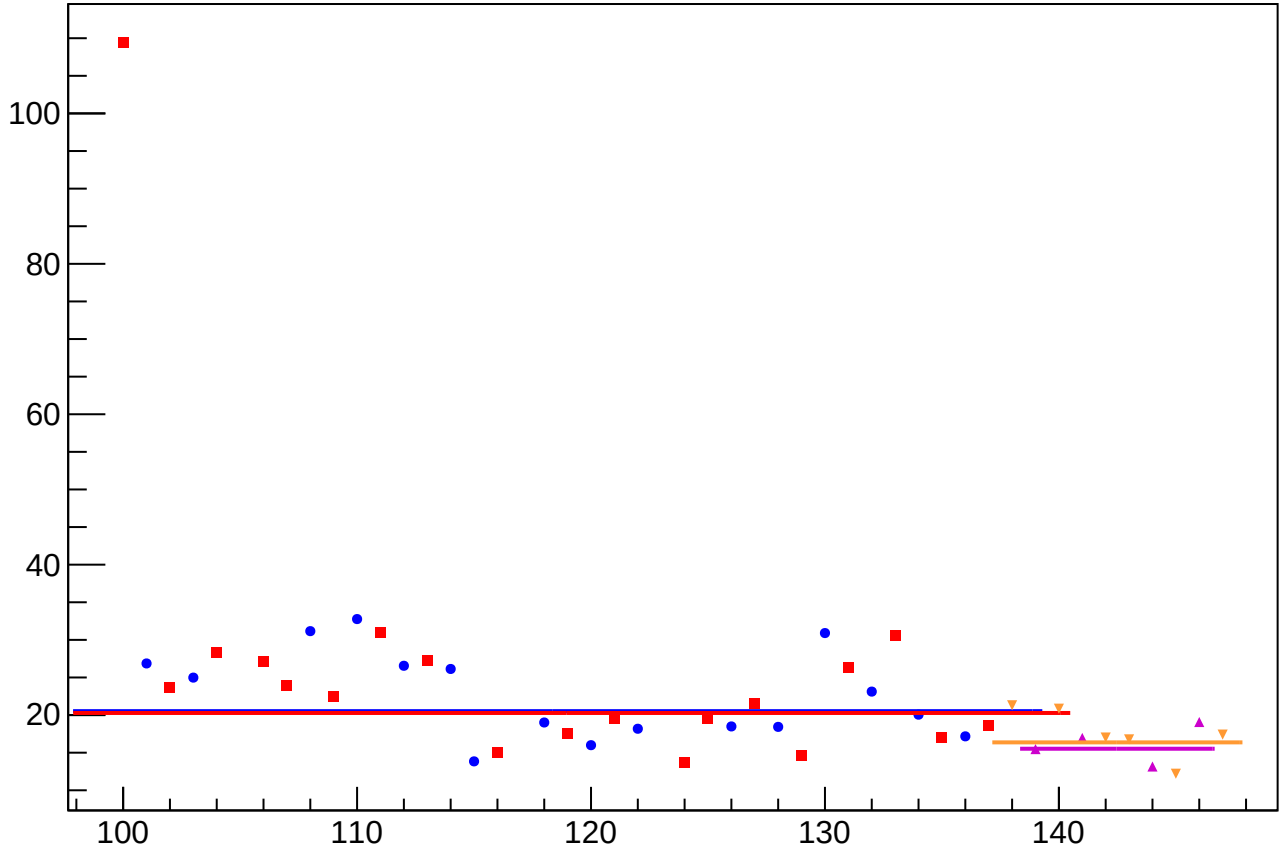
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.006 χ^2/NDF:20.7/19

Out: 0.002+/-0.006 χ^2/NDF:24.5/24

All: 0.001+/-0.004 χ^2/NDF: 45.4/44

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: 16.371+/-0.006 χ^2/NDF:332194.7/5

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 15.524+/-0.006 χ^2/NDF:117399.5/3

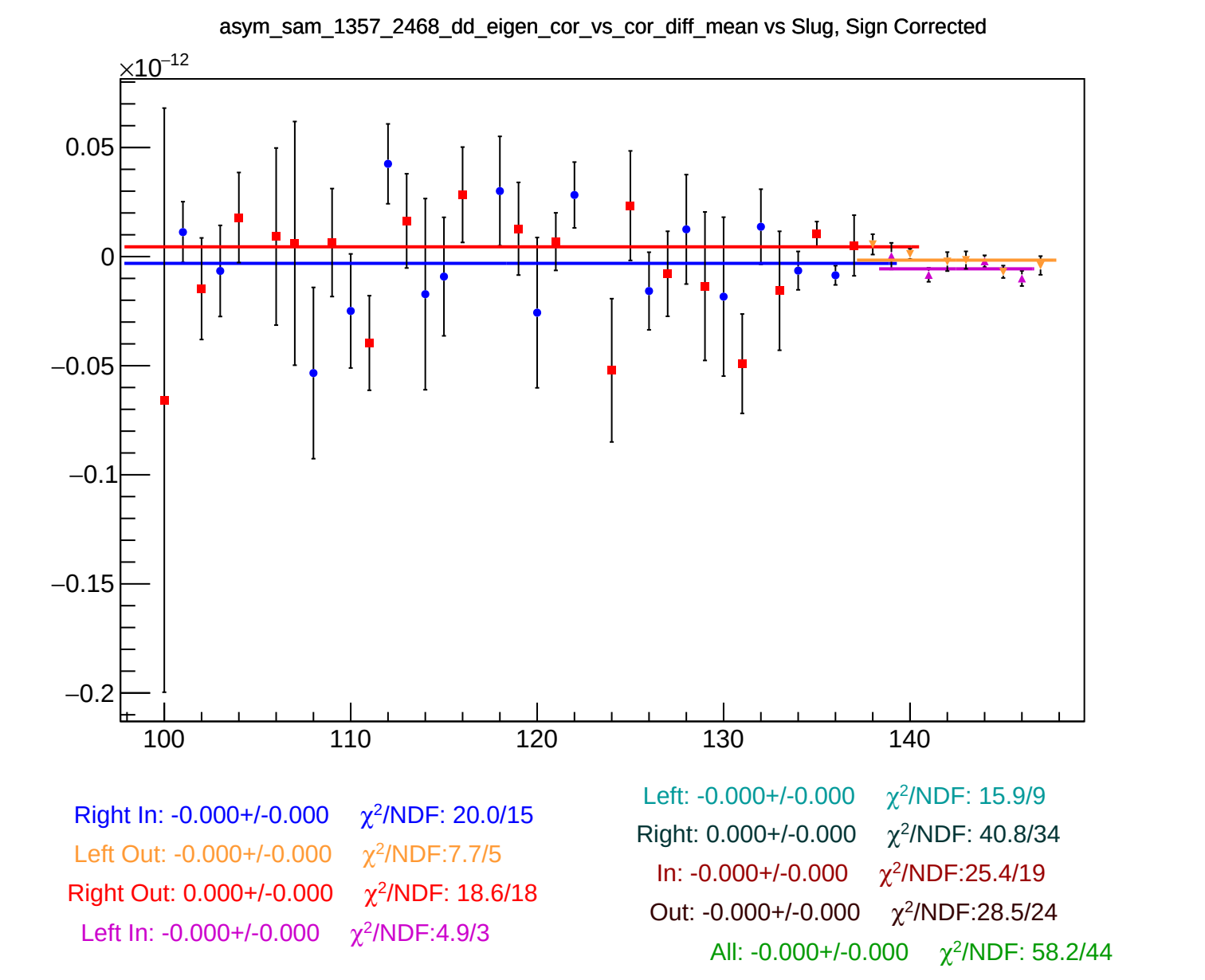
Left: 15.981+/-0.004 χ^2/NDF: 459844.1/9

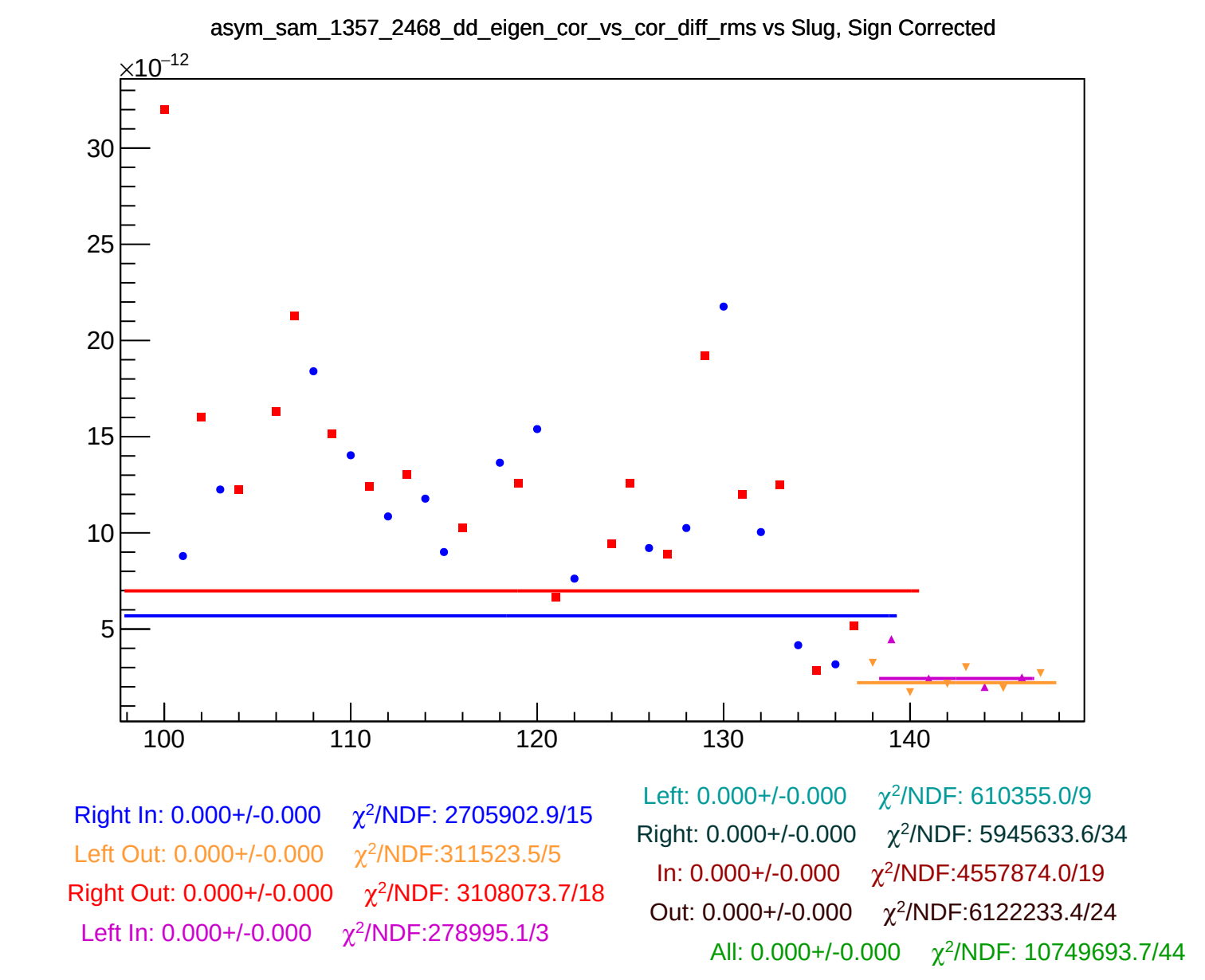
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

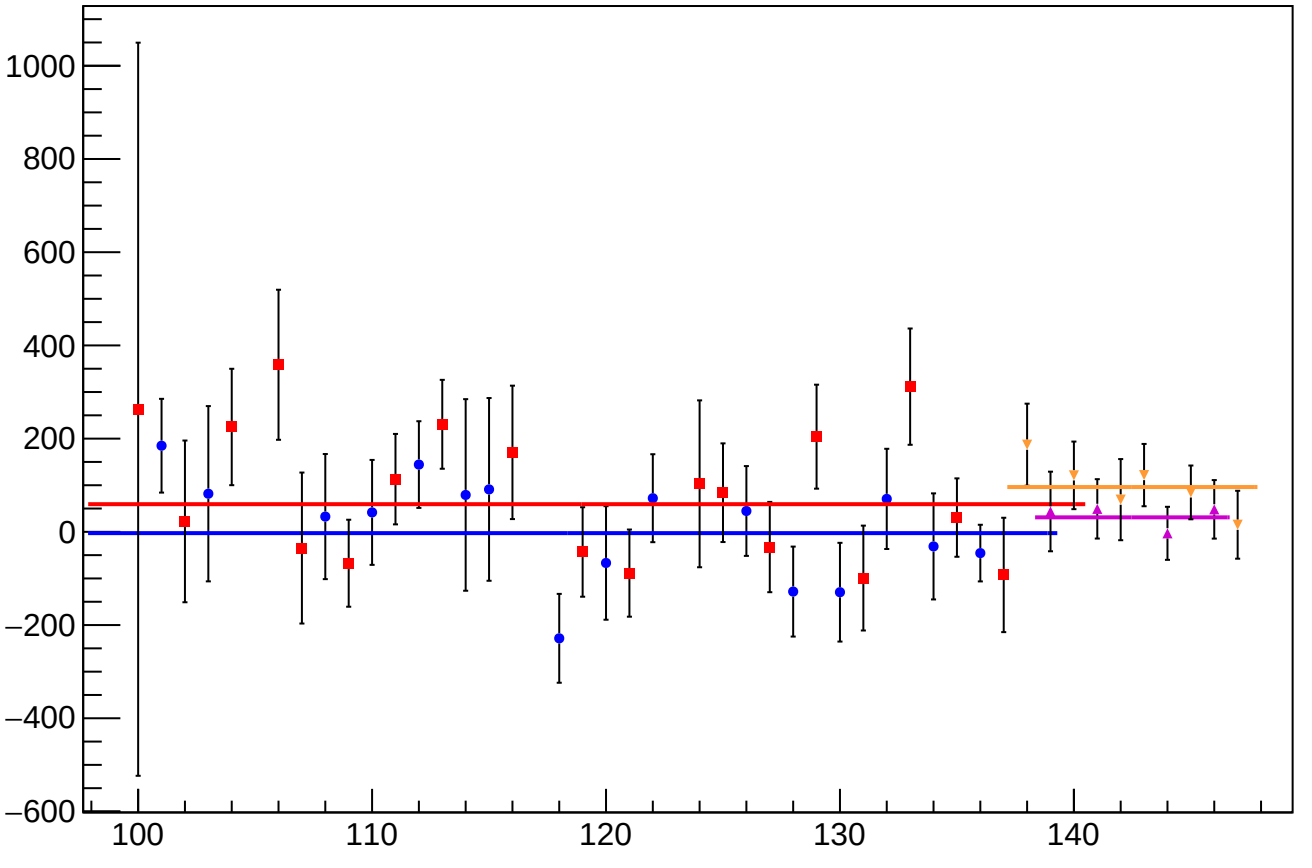
In: 18.208+/-0.004 χ^2/NDF:1179162.3/19

Out: 18.360+/-0.004 χ^2/NDF:1438209.3/24

All: 18.288+/-0.003 χ^2/NDF: 2618074.4/44


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:7.7/5
Right Out: 0.000+/-0.000 χ²/NDF: 18.6/18
Left In: -0.000+/-0.000 χ²/NDF:4.9/3
Left: -0.000+/-0.000 χ²/NDF: 15.9/9
Right: 0.000+/-0.000 χ²/NDF: 40.8/34
In: -0.000+/-0.000 χ²/NDF:25.4/19
Out: -0.000+/-0.000 χ²/NDF:28.5/24
All: -0.000+/-0.000 χ²/NDF: 58.2/44


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
110
120
130
140
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:311523.5/5
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:278995.1/3
Left: 0.000+/-0.000 χ²/NDF: 610355.0/9
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:4557874.0/19
Out: 0.000+/-0.000 χ²/NDF:6122233.4/24
All: 0.000+/-0.000 χ²/NDF: 10749693.7/44



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 96.117+/-29.312 χ^2/NDF:2.7/5

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 31.080+/-32.515 χ^2/NDF:0.5/3

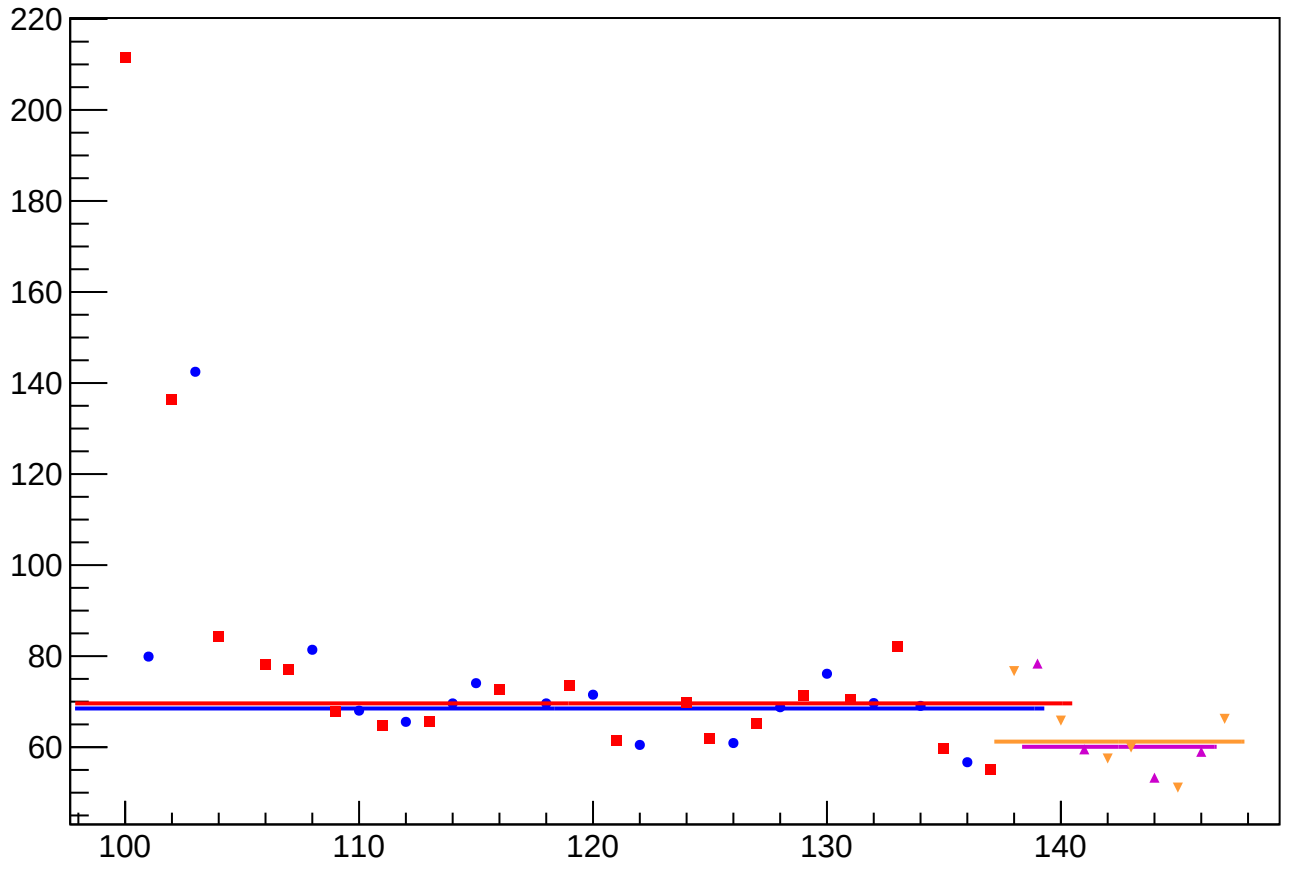
Left: 66.959+/-21.772 χ^2/NDF: 5.4/9

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 10.566+/-20.407 χ^2/NDF:18.9/19

Out: 75.804+/-19.609 χ^2/NDF:29.3/24

All: 44.485+/-14.140 χ^2/NDF: 53.5/44



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.222+/-0.021 χ^2/NDF:145176.0/5

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

Left: 60.710+/-0.015 χ^2/NDF: 267375.6/9

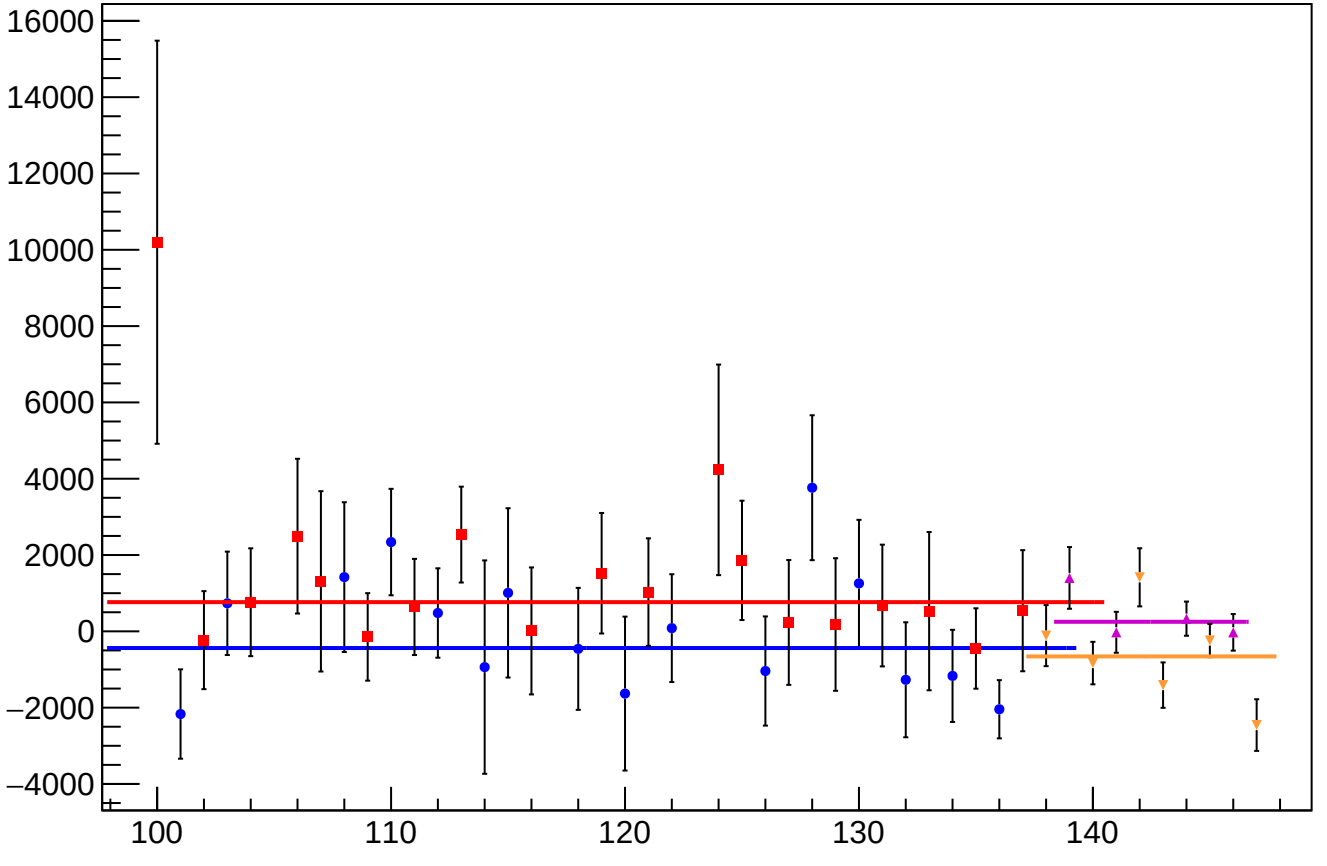
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 65.183+/-0.014 χ^2/NDF:673955.2/19

Out: 65.862+/-0.014 χ^2/NDF:756258.8/24

All: 65.536+/-0.010 χ^2/NDF: 1431365.3/44

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: -657.439+/-244.168 χ^2/NDF:17.6/5

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 250.325+/-264.033 χ^2/NDF:2.7/3

Left: -238.986+/-179.265 χ^2/NDF: 26.6/9

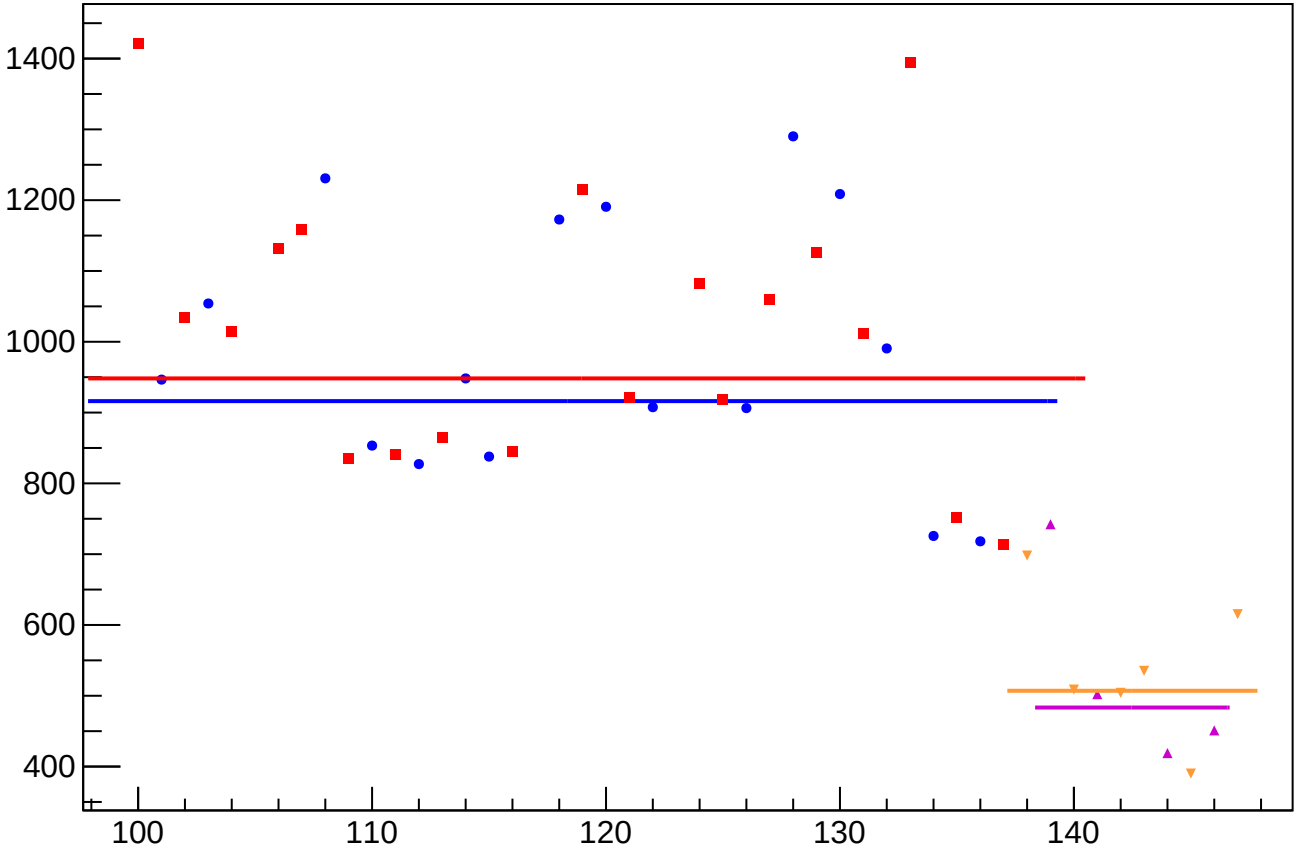
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -0.141+/-210.537 χ^2/NDF:25.7/19

Out: -197.102+/-200.820 χ^2/NDF:39.9/24

All: -103.271+/-145.315 χ^2/NDF: 66.0/44

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: 507.056+/-0.173 χ^2/NDF:313405.6/5

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 483.366+/-0.187 χ^2/NDF:257688.7/3

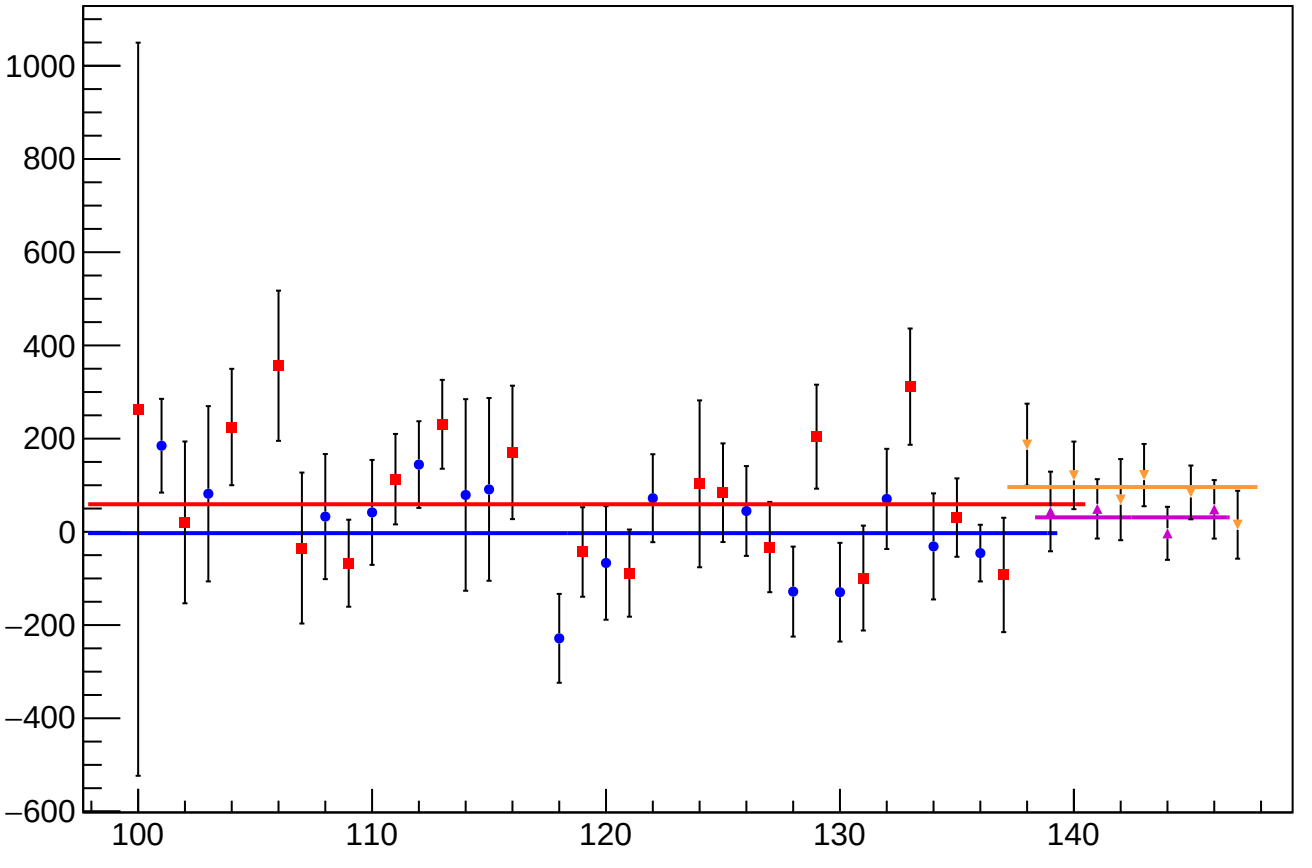
Left: 496.136+/-0.127 χ^2/NDF: 579773.0/9

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 640.981+/-0.149 χ^2/NDF:2723867.0/19

Out: 649.799+/-0.142 χ^2/NDF:2841208.9/24

All: 645.598+/-0.103 χ^2/NDF: 5566912.8/44



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 96.128+/-29.312 χ^2/NDF:2.7/5

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 31.084+/-32.515 χ^2/NDF:0.5/3

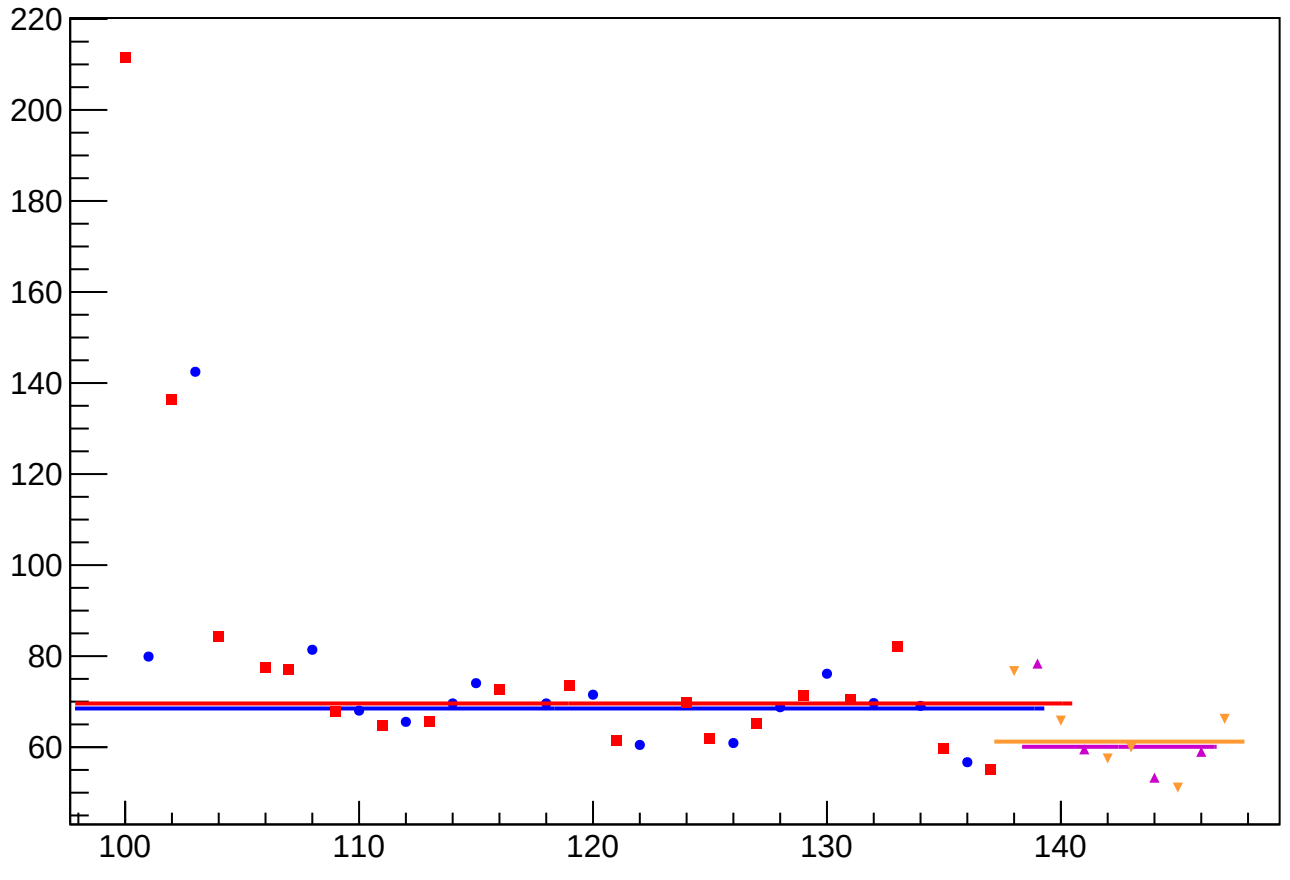
Left: 66.967+/-21.772 χ^2/NDF: 5.4/9

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 10.564+/-20.407 χ^2/NDF:18.9/19

Out: 75.742+/-19.610 χ^2/NDF:29.2/24

All: 44.451+/-14.140 χ^2/NDF: 53.4/44



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.222+/-0.021 χ^2/NDF:145176.0/5

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

Left: 60.710+/-0.015 χ^2/NDF: 267375.6/9

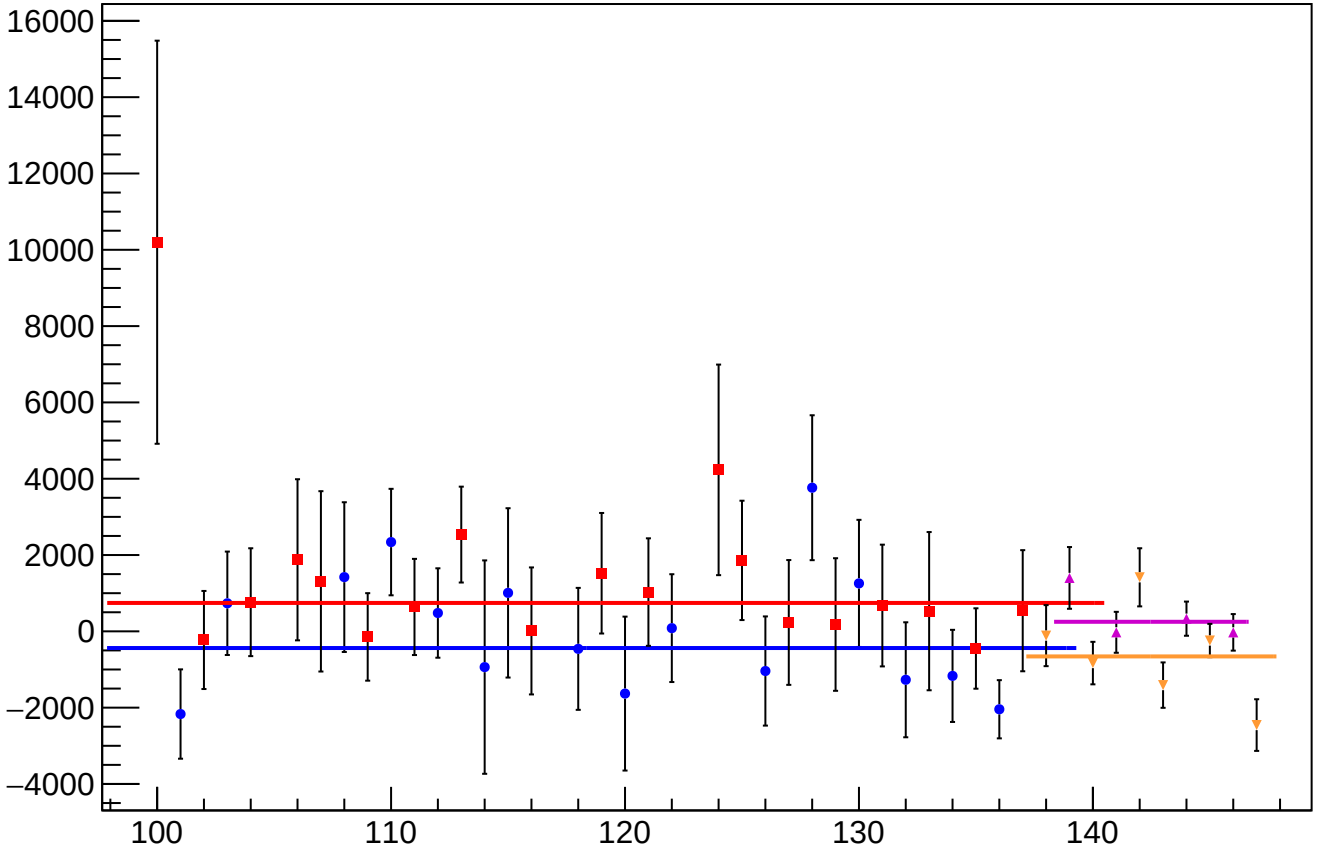
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.183+/-0.014 χ^2/NDF:673958.2/19

Out: 65.851+/-0.014 χ^2/NDF:755225.1/24

All: 65.530+/-0.010 χ^2/NDF: 1430298.3/44

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: -657.428+/-244.168 χ^2/NDF:17.6/5

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 250.330+/-264.033 χ^2/NDF:2.7/3

Left: -238.978+/-179.265 χ^2/NDF: 26.6/9

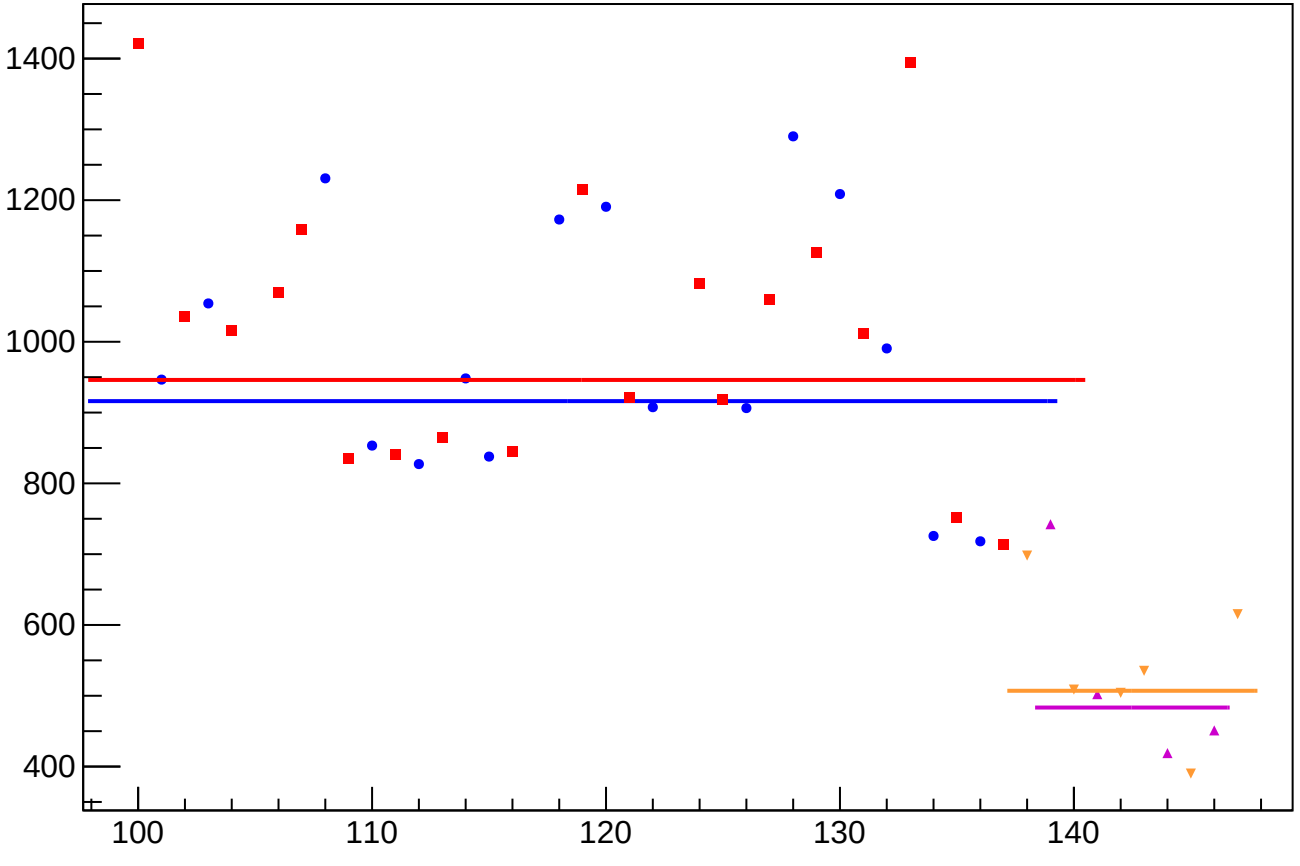
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -0.126+/-210.537 χ^2/NDF:25.7/19

Out: -204.631+/-200.900 χ^2/NDF:39.1/24

All: -107.166+/-145.346 χ^2/NDF: 65.2/44

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: 507.056+/-0.173 χ^2/NDF:313406.4/5

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 483.366+/-0.187 χ^2/NDF:257688.1/3

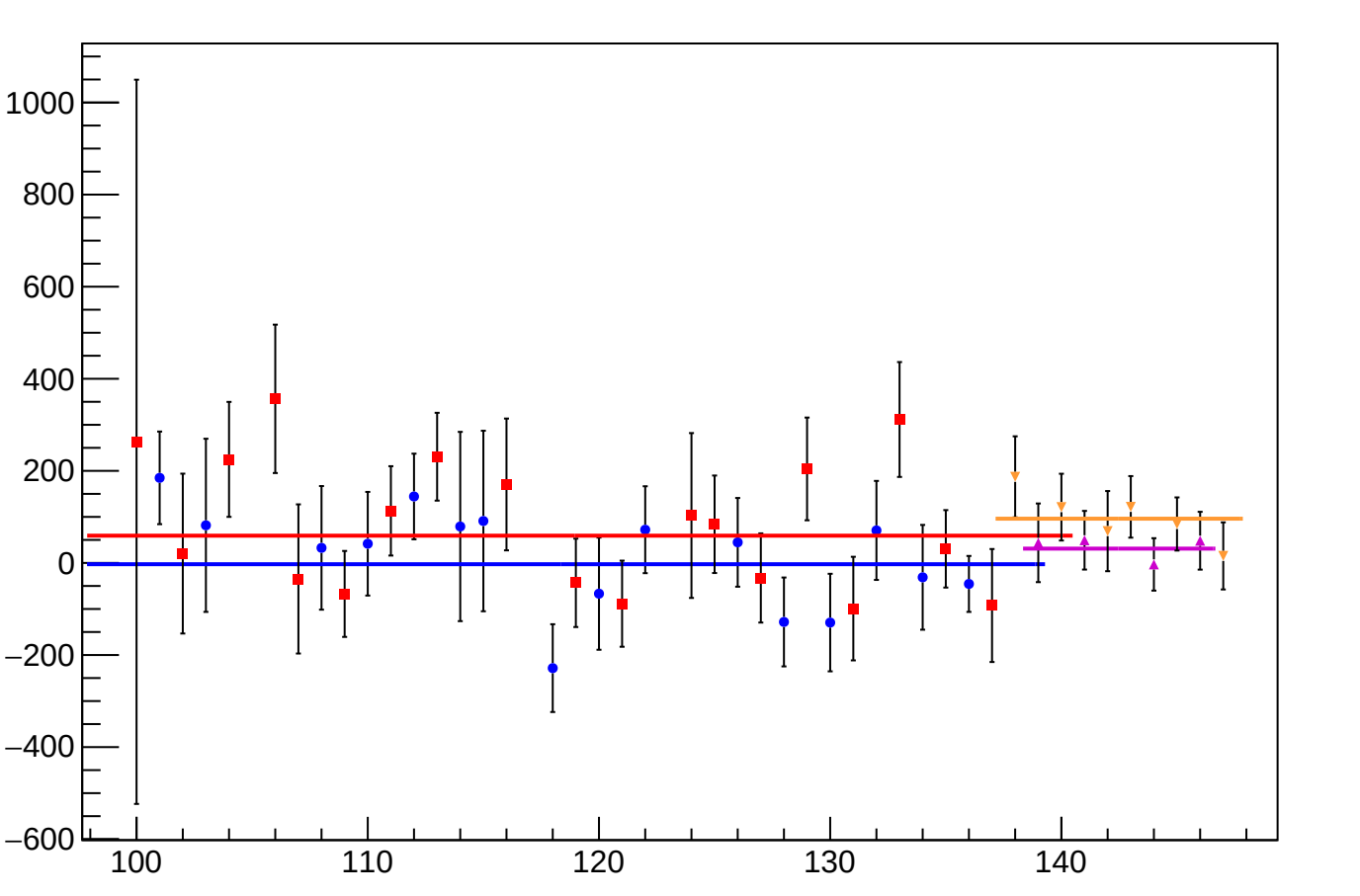
Left: 496.136+/-0.127 χ^2/NDF: 579772.8/9

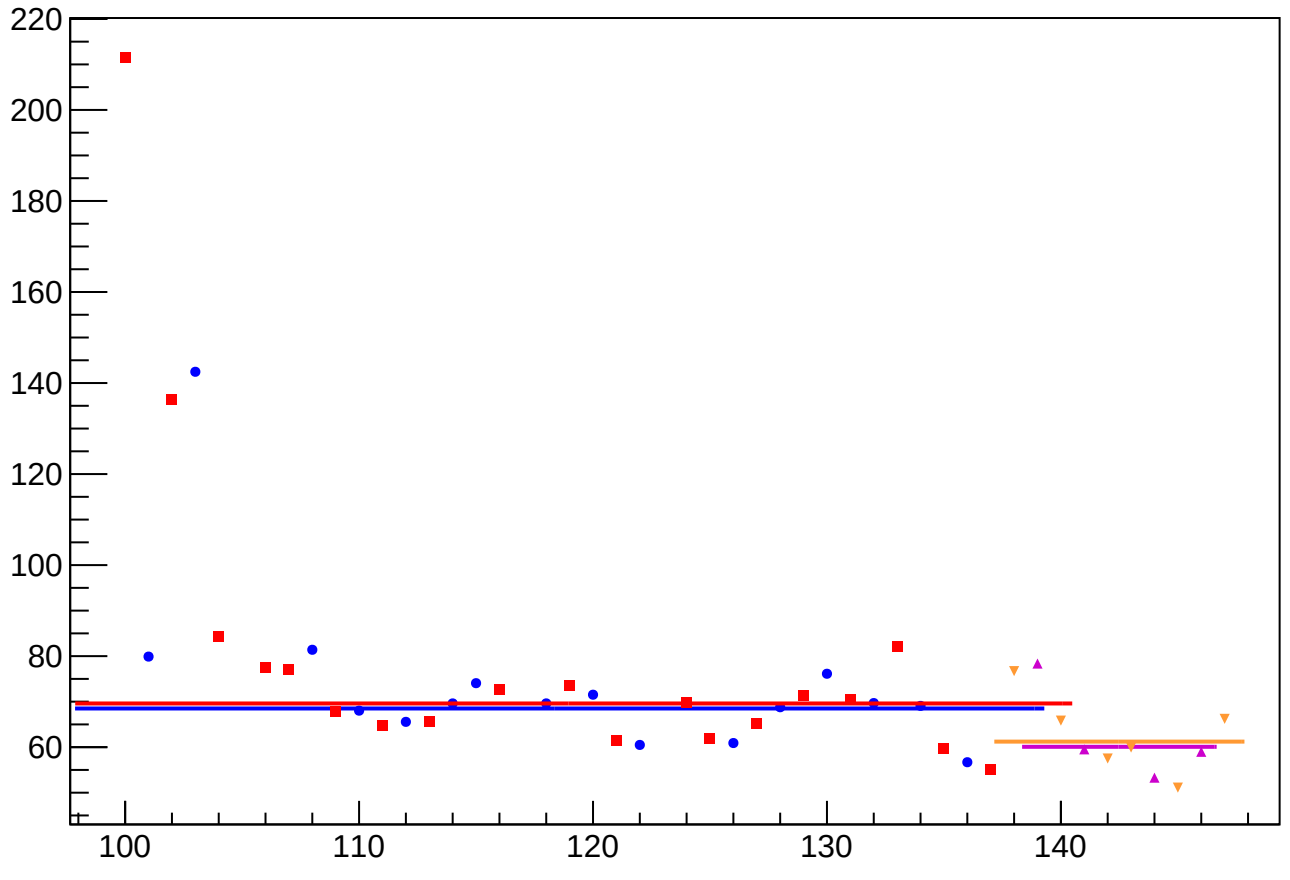
Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 640.982+/-0.149 χ^2/NDF:2723908.1/19

Out: 648.868+/-0.142 χ^2/NDF:2807470.9/24

All: 645.109+/-0.103 χ^2/NDF: 5532847.8/44


eigen_cor_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
Right In: -2.773+/-26.213 χ²/NDF: 17.7/15
Left Out: 96.128+/-29.312 χ²/NDF:2.7/5
Right Out: 59.226+/-26.384 χ²/NDF: 25.7/18
Left In: 31.084+/-32.515 χ²/NDF:0.5/3
Left: 66.967+/-21.772 χ²/NDF: 5.4/9
Right: 28.026+/-18.595 χ²/NDF: 46.1/34
In: 10.564+/-20.407 χ²/NDF:18.9/19
Out: 75.742+/-19.610 χ²/NDF:29.2/24
All: 44.451+/-14.140 χ²/NDF: 53.4/44



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.222+/-0.021 χ^2/NDF:145176.0/5

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.080+/-0.023 χ^2/NDF:120838.4/3

Left: 60.710+/-0.015 χ^2/NDF: 267375.6/9

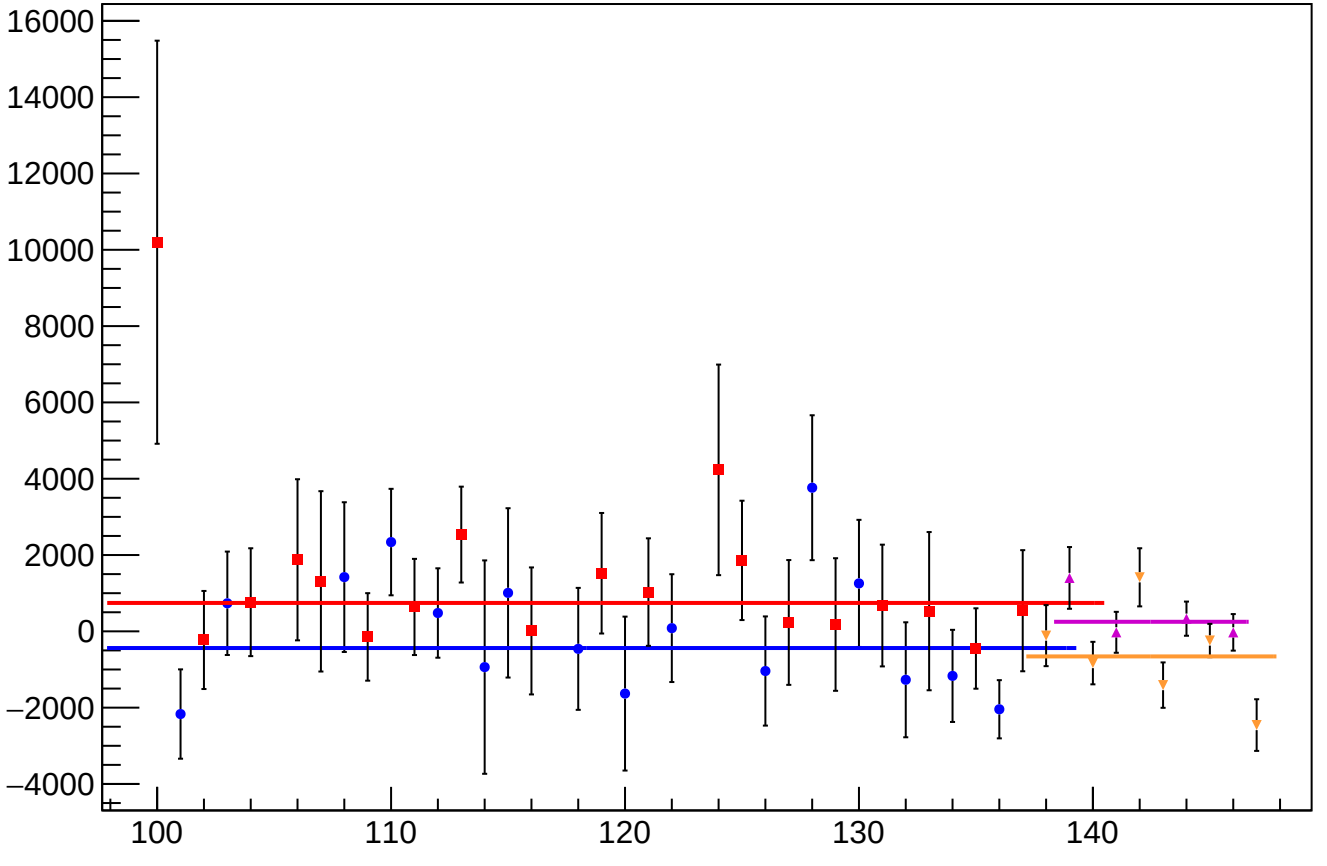
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 65.183+/-0.014 χ^2/NDF:673958.2/19

Out: 65.851+/-0.014 χ^2/NDF:755225.1/24

All: 65.530+/-0.010 χ^2/NDF: 1430298.3/44

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: -657.428+/-244.168 χ^2/NDF:17.6/5

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 250.330+/-264.033 χ^2/NDF:2.7/3

Left: -238.978+/-179.265 χ^2/NDF: 26.6/9

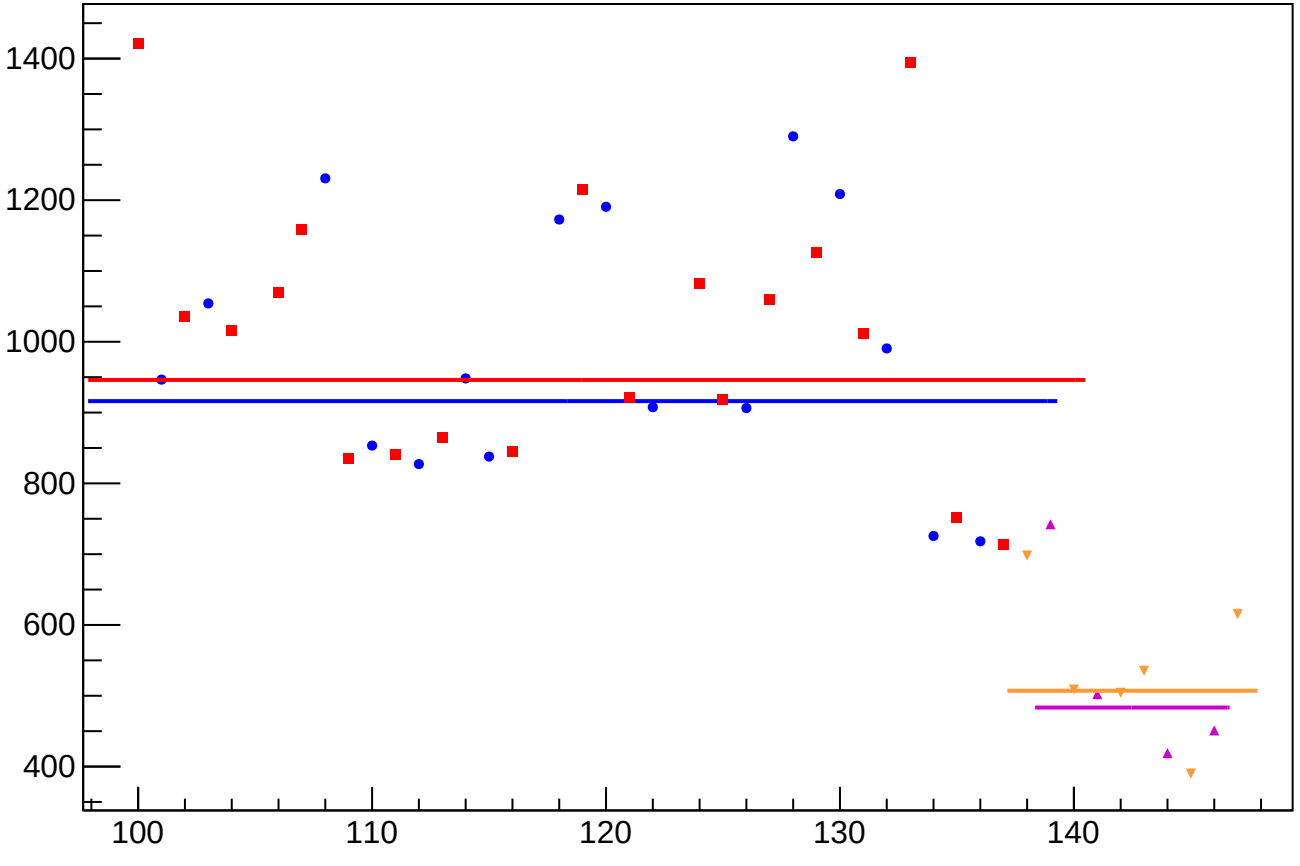
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -0.126+/-210.537 χ^2/NDF:25.7/19

Out: -204.631+/-200.900 χ^2/NDF:39.1/24

All: -107.166+/-145.346 χ^2/NDF: 65.2/44

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: 507.056+/-0.173 χ^2/NDF:313406.4/5

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 483.366+/-0.187 χ^2/NDF:257688.1/3

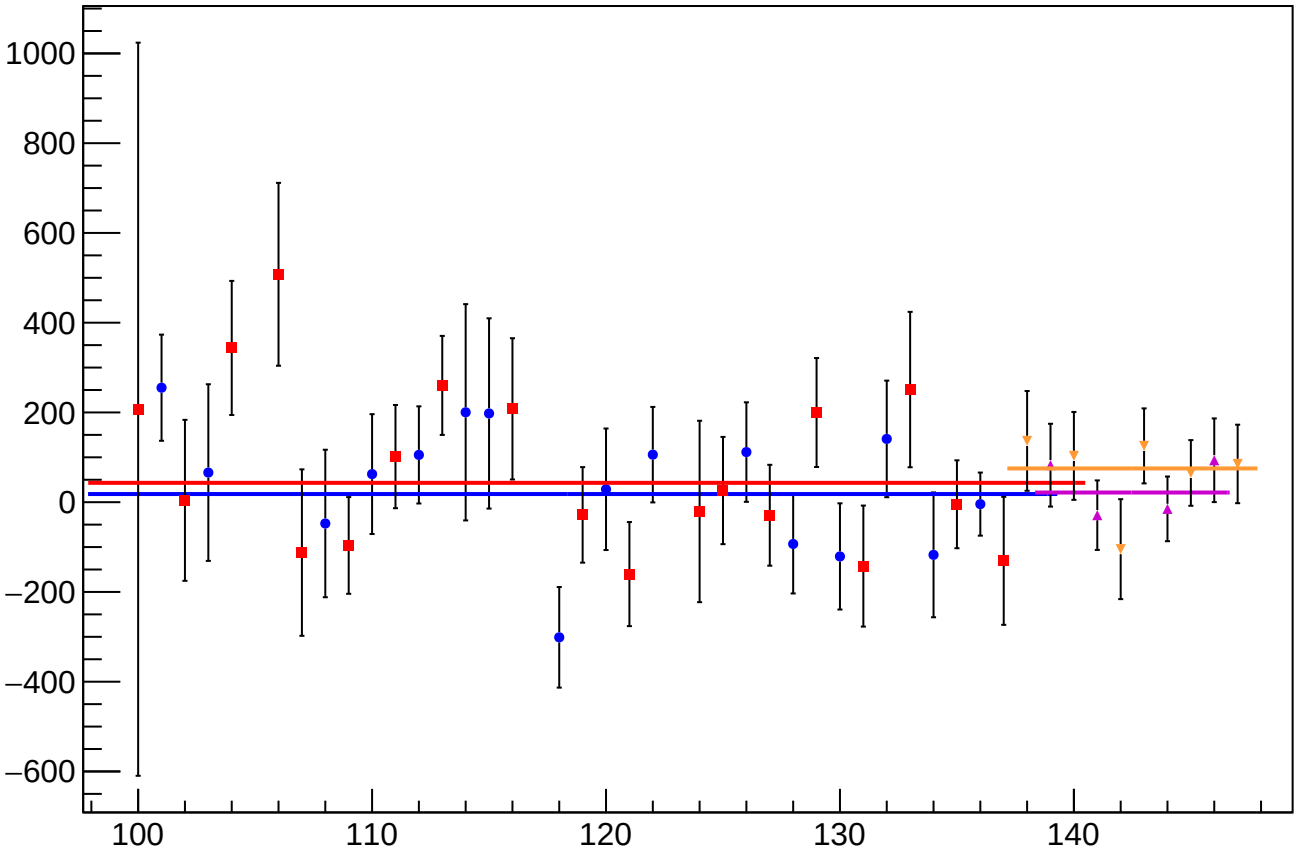
Left: 496.136+/-0.127 χ^2/NDF: 579772.8/9

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 640.982+/-0.149 χ^2/NDF:2723908.1/19

Out: 648.868+/-0.142 χ^2/NDF:2807470.9/24

All: 645.109+/-0.103 χ^2/NDF: 5532847.8/44



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 75.228+/-37.103 χ^2/NDF:3.4/5

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 21.555+/-41.108 χ^2/NDF:1.7/3

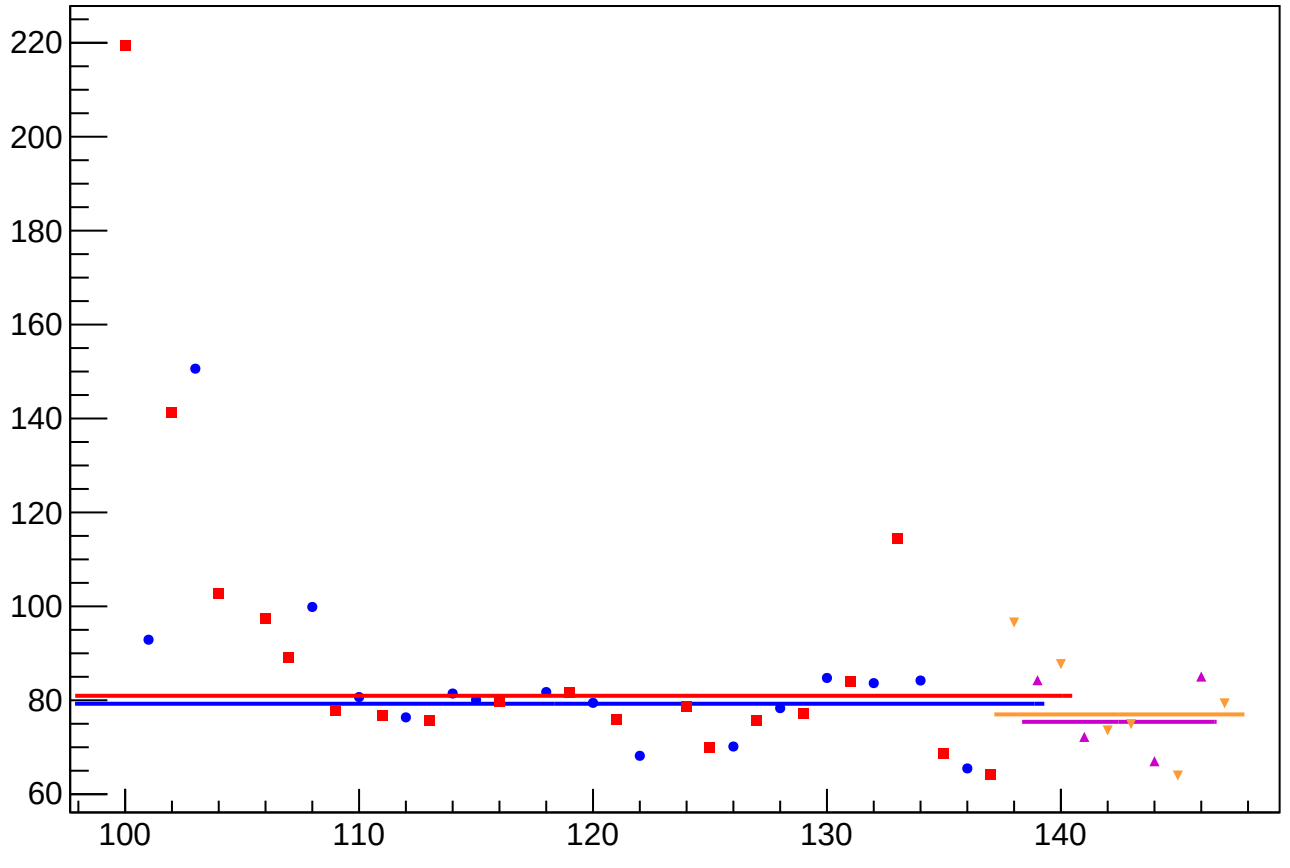
Left: 51.133+/-27.543 χ^2/NDF: 6.0/9

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 19.367+/-24.414 χ^2/NDF:21.9/19

Out: 56.188+/-23.656 χ^2/NDF:31.6/24

All: 38.358+/-16.989 χ^2/NDF: 54.6/44



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 76.994+/-0.026 χ^2/NDF:153662.8/5

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 75.413+/-0.029 χ^2/NDF:70406.2/3

Left: 76.284+/-0.019 χ^2/NDF: 225698.4/9

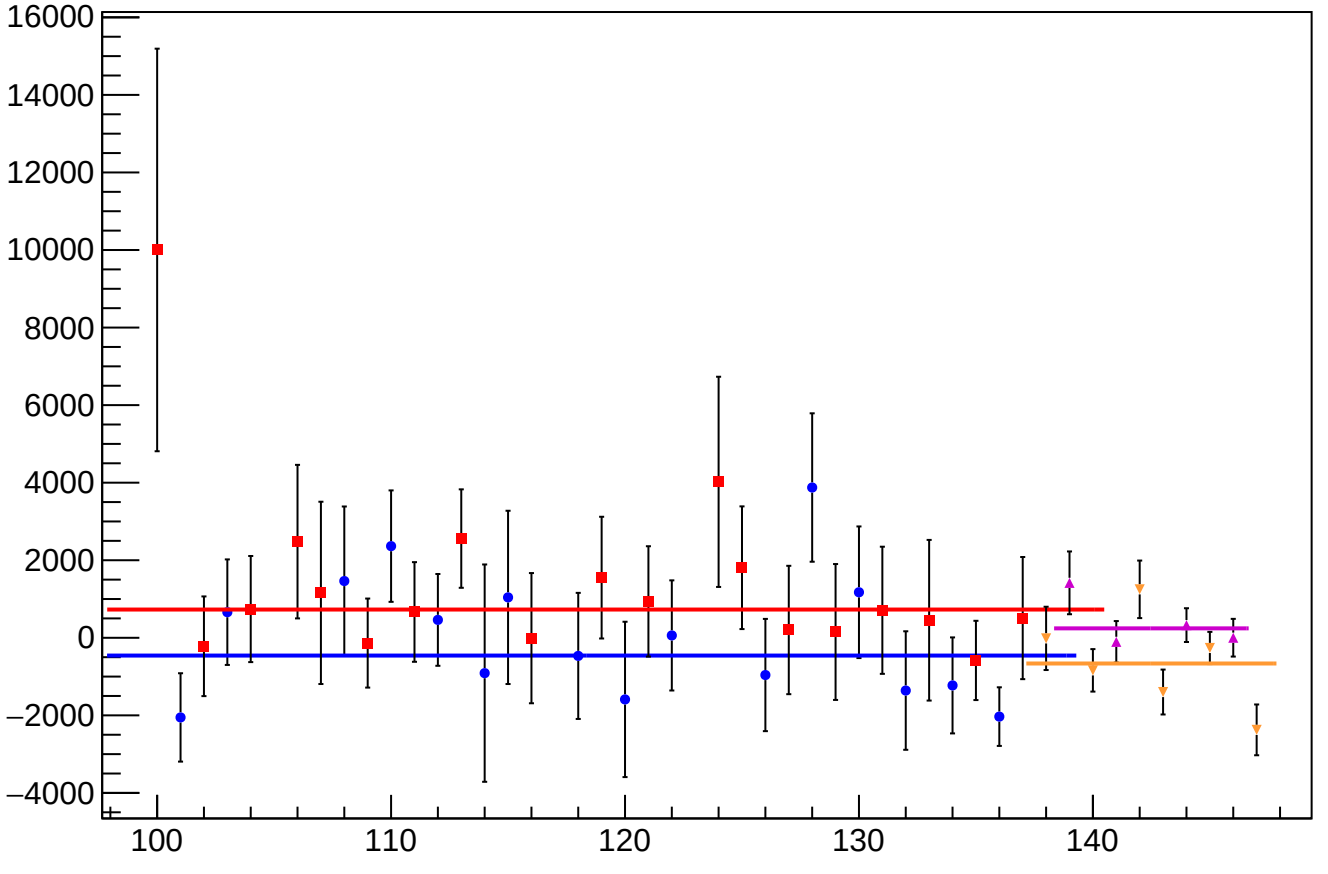
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 77.905+/-0.017 χ^2/NDF:526710.3/19

Out: 79.347+/-0.017 χ^2/NDF:681396.2/24

All: 78.649+/-0.012 χ^2/NDF: 1211703.2/44

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: -662.807+/-237.190 χ^2/NDF:16.8/5

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 243.280+/-262.421 χ^2/NDF:2.8/3

Left: -255.406+/-175.964 χ^2/NDF: 26.1/9

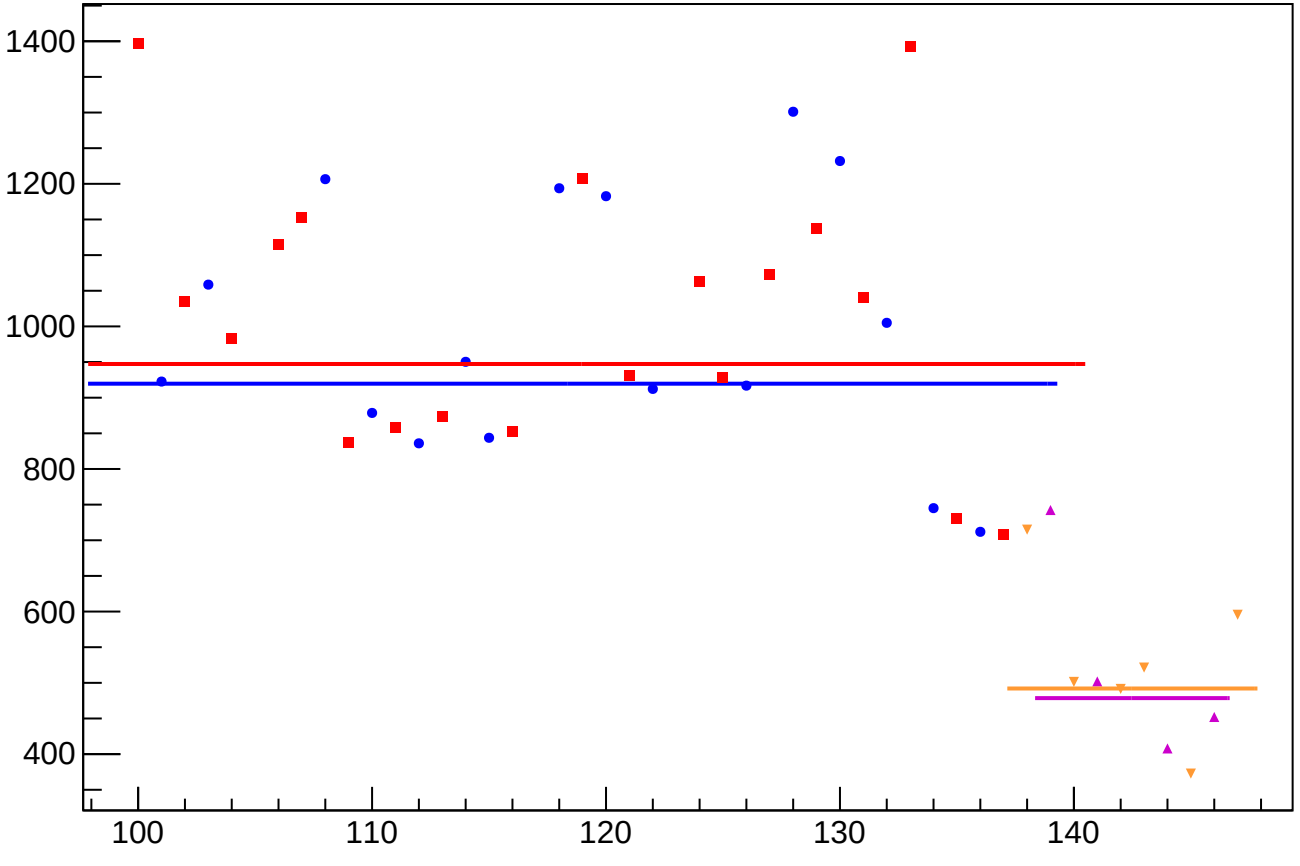
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -9.053+/-209.976 χ^2/NDF:25.7/19

Out: -229.243+/-196.801 χ^2/NDF:39.0/24

All: -126.272+/-143.591 χ^2/NDF: 65.2/44

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: 492.071+/-0.168 χ^2/NDF:370237.7/5

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 478.580+/-0.186 χ^2/NDF:274696.8/3

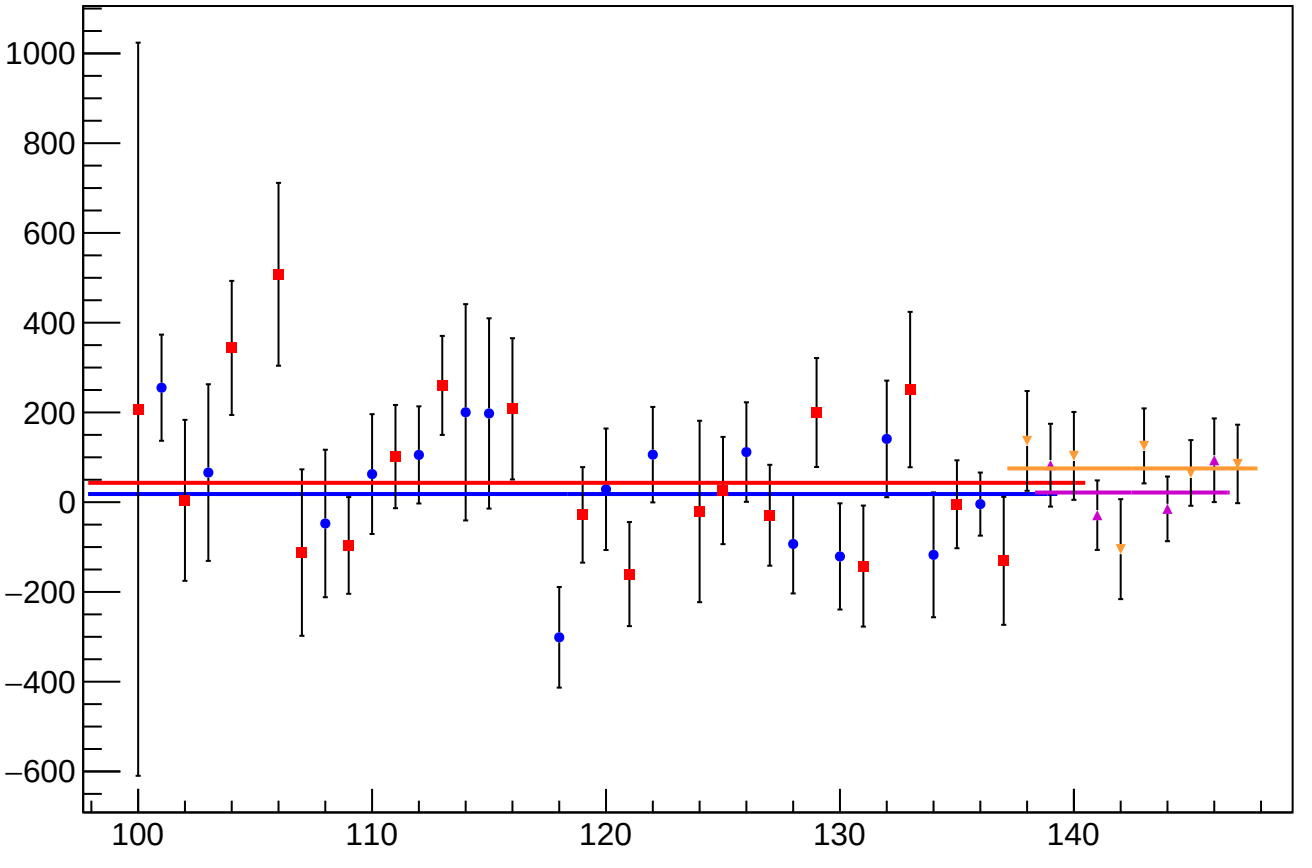
Left: 486.005+/-0.124 χ^2/NDF: 647843.5/9

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 637.257+/-0.148 χ^2/NDF:2822685.6/19

Out: 633.897+/-0.139 χ^2/NDF:3090880.5/24

All: 635.468+/-0.102 χ^2/NDF: 5913838.7/44



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 75.228+/-37.103 χ^2/NDF:3.4/5

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 21.556+/-41.108 χ^2/NDF:1.7/3

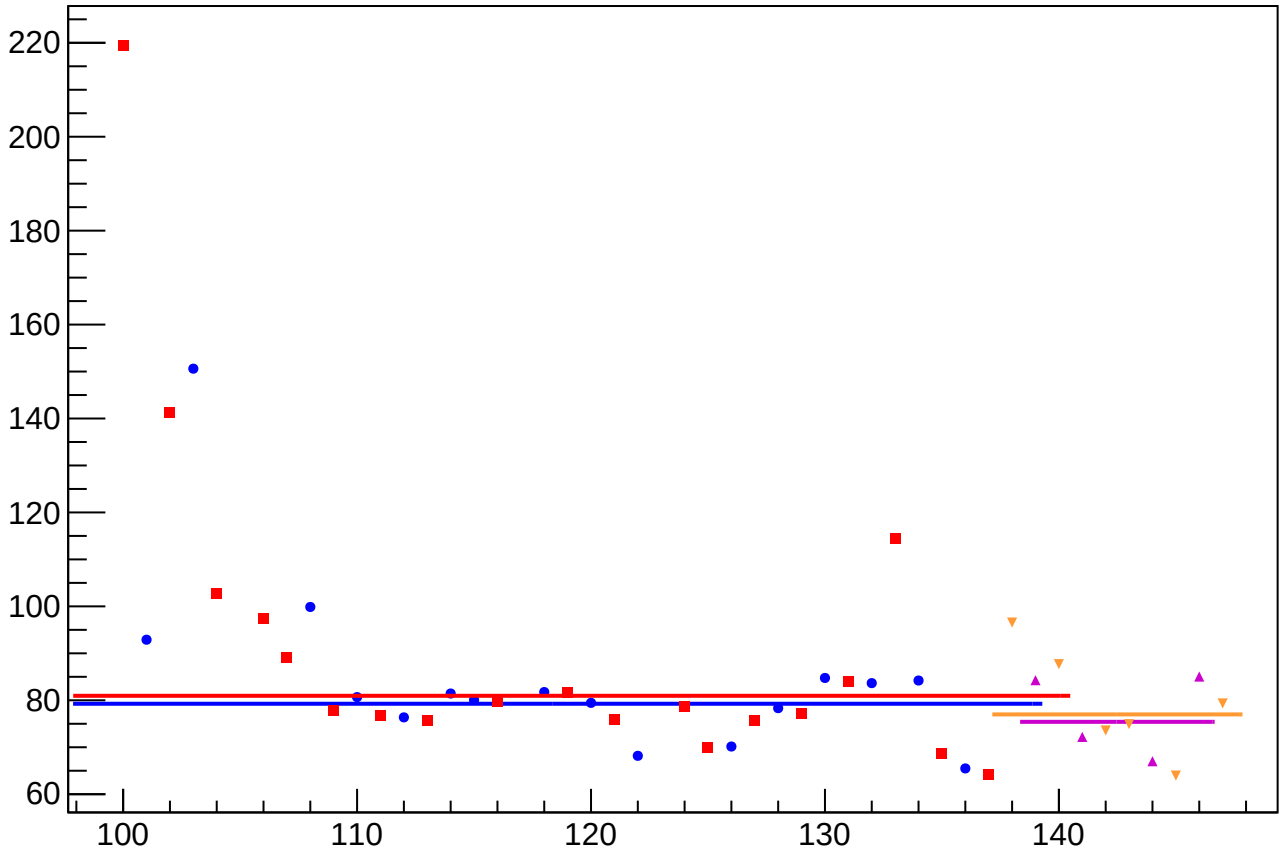
Left: 51.133+/-27.543 χ^2/NDF: 6.0/9

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 19.367+/-24.414 χ^2/NDF:21.9/19

Out: 56.186+/-23.656 χ^2/NDF:31.6/24

All: 38.357+/-16.989 χ^2/NDF: 54.6/44



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 76.994+/-0.026 χ^2/NDF:153654.1/5

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 75.414+/-0.029 χ^2/NDF:70405.1/3

Left: 76.285+/-0.019 χ^2/NDF: 225688.7/9

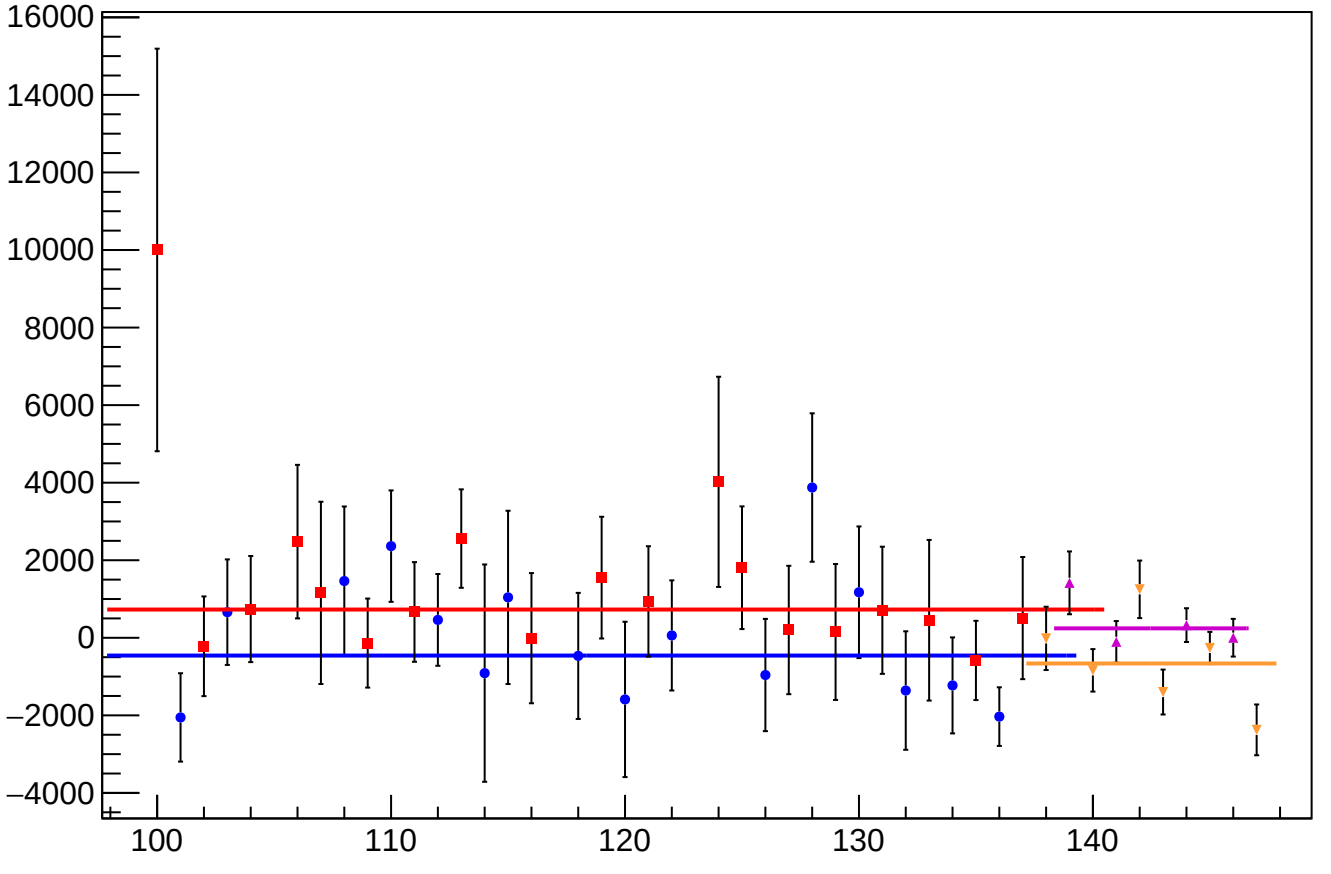
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 77.905+/-0.017 χ^2/NDF:526703.0/19

Out: 79.347+/-0.017 χ^2/NDF:681391.9/24

All: 78.649+/-0.012 χ^2/NDF: 1211692.0/44

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: -662.808+/-237.189 χ^2/NDF:16.8/5

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 243.281+/-262.421 χ^2/NDF:2.8/3

Left: -255.407+/-175.964 χ^2/NDF: 26.1/9

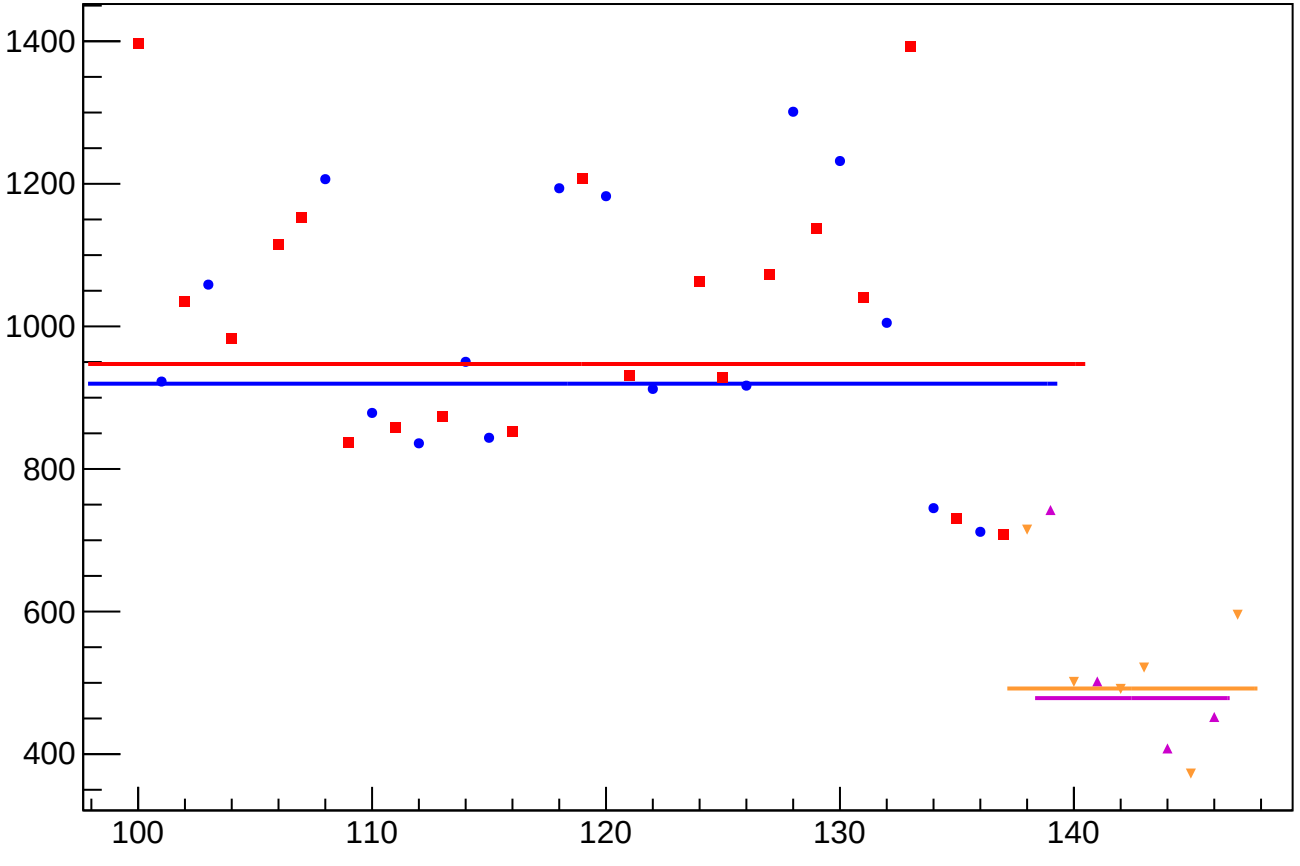
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -9.052+/-209.975 χ^2/NDF:25.7/19

Out: -229.243+/-196.800 χ^2/NDF:39.0/24

All: -126.272+/-143.591 χ^2/NDF: 65.2/44

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: 492.070+/-0.168 χ^2/NDF:370240.0/5

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 478.580+/-0.186 χ^2/NDF:274695.9/3

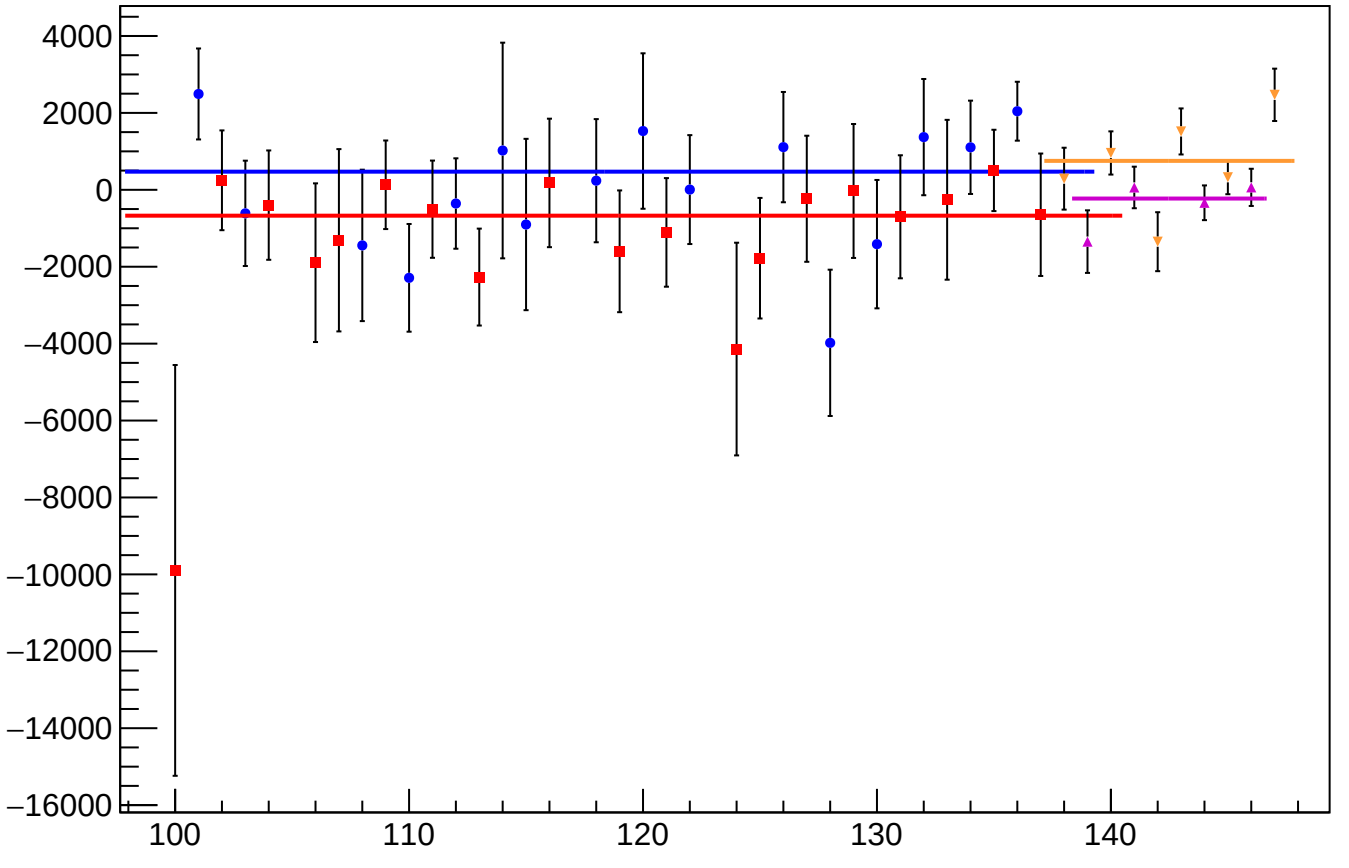
Left: 486.005+/-0.124 χ^2/NDF: 647844.8/9

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 637.256+/-0.148 χ^2/NDF:2822679.2/19

Out: 633.896+/-0.139 χ^2/NDF:3090881.4/24

All: 635.467+/-0.102 χ^2/NDF: 5913833.2/44



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 752.552+/-246.026 χ^2/NDF:16.9/5

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -227.063+/-266.151 χ^2/NDF:2.6/3

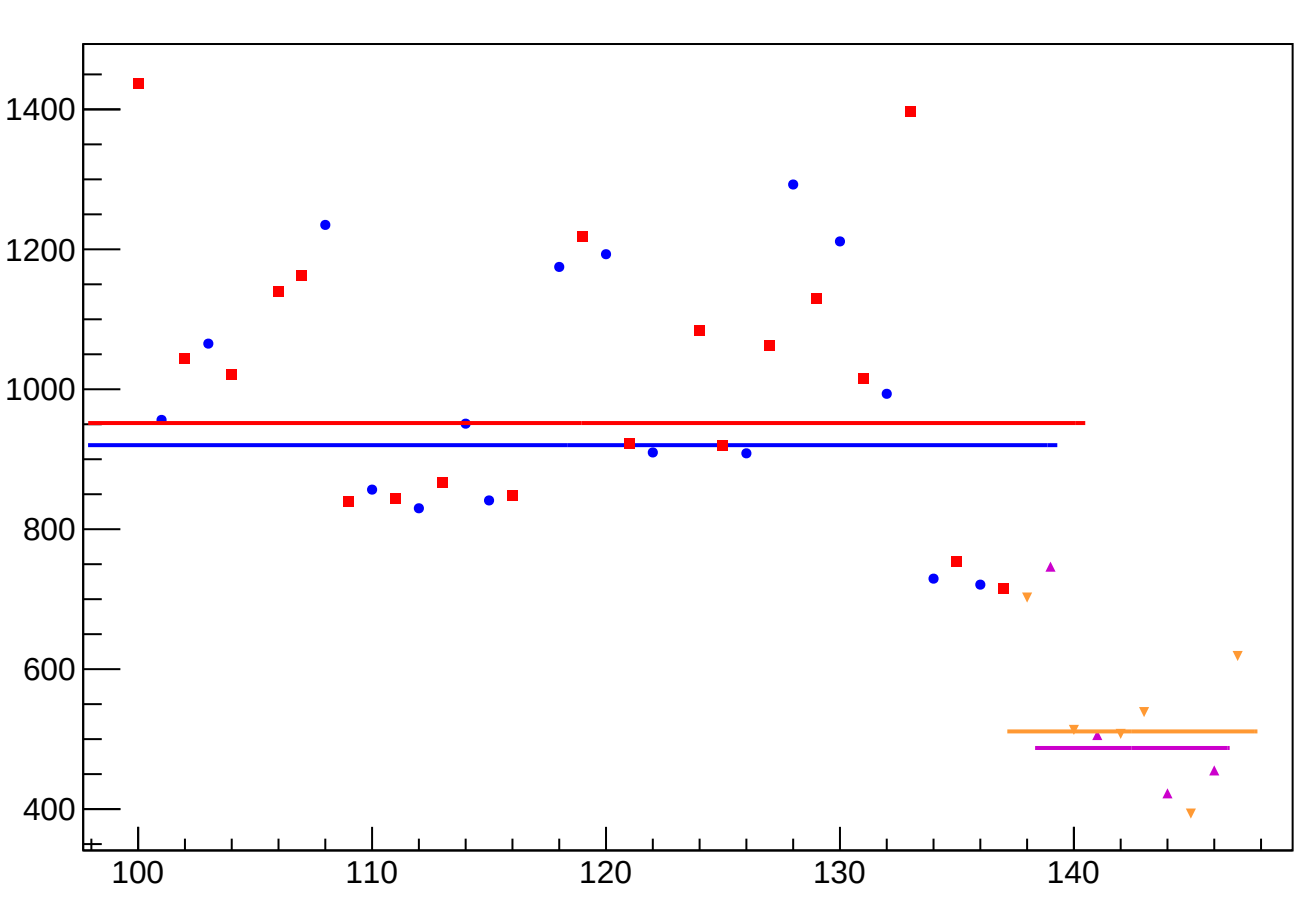
Left: 301.176+/-180.663 χ^2/NDF: 26.8/9

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 28.723+/-211.939 χ^2/NDF:26.6/19

Out: 289.311+/-202.122 χ^2/NDF:38.1/24

All: 165.191+/-146.269 χ^2/NDF: 65.5/44



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 511.007+/-0.174 χ^2/NDF:309799.3/5

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 487.348+/-0.188 χ^2/NDF:255247.9/3

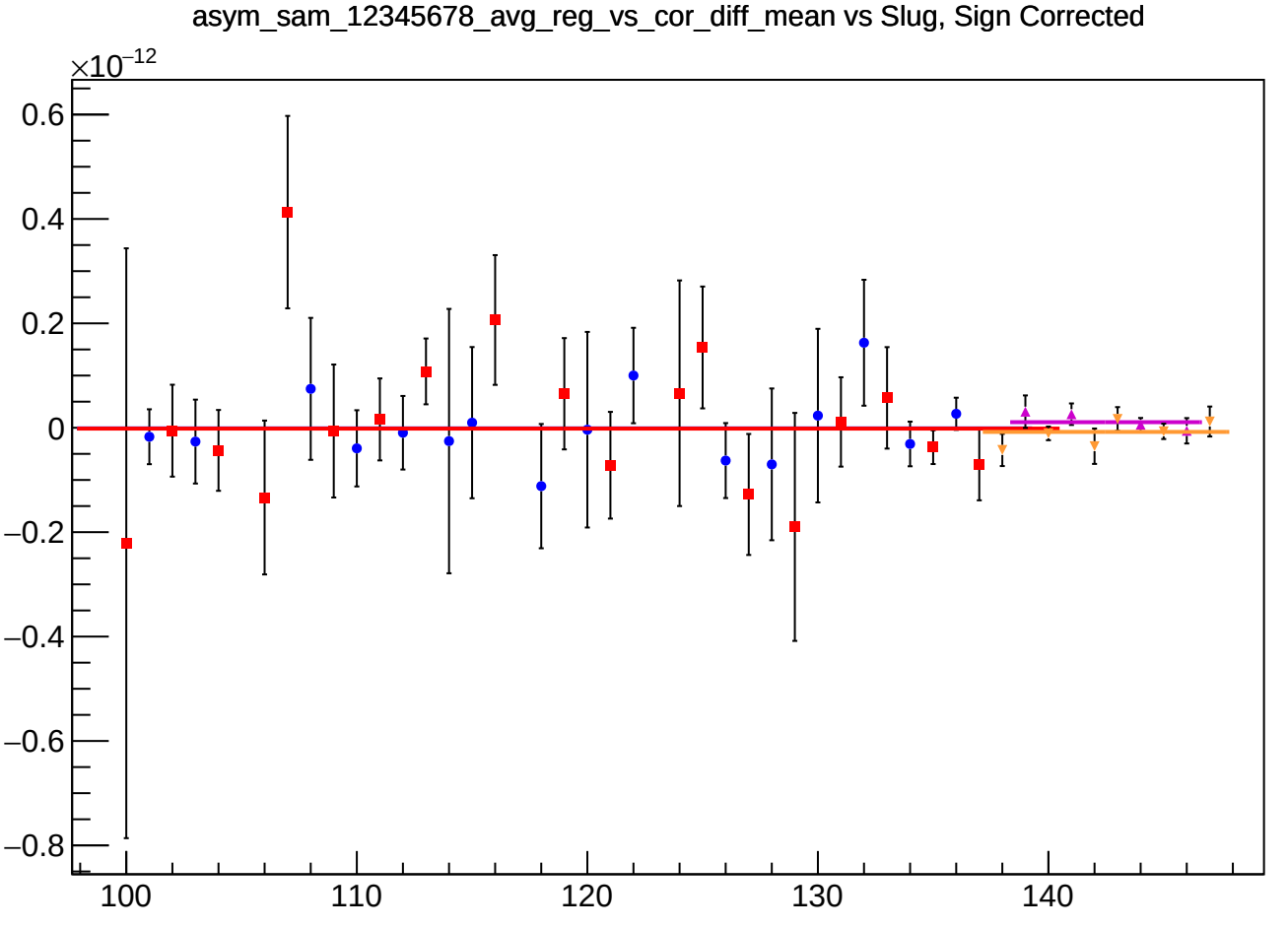
Left: 500.106+/-0.128 χ^2/NDF: 573569.5/9

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 645.697+/-0.150 χ^2/NDF:2698811.1/19

Out: 654.268+/-0.143 χ^2/NDF:2812114.7/24

All: 650.186+/-0.103 χ^2/NDF: 5512638.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.6/5

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/3

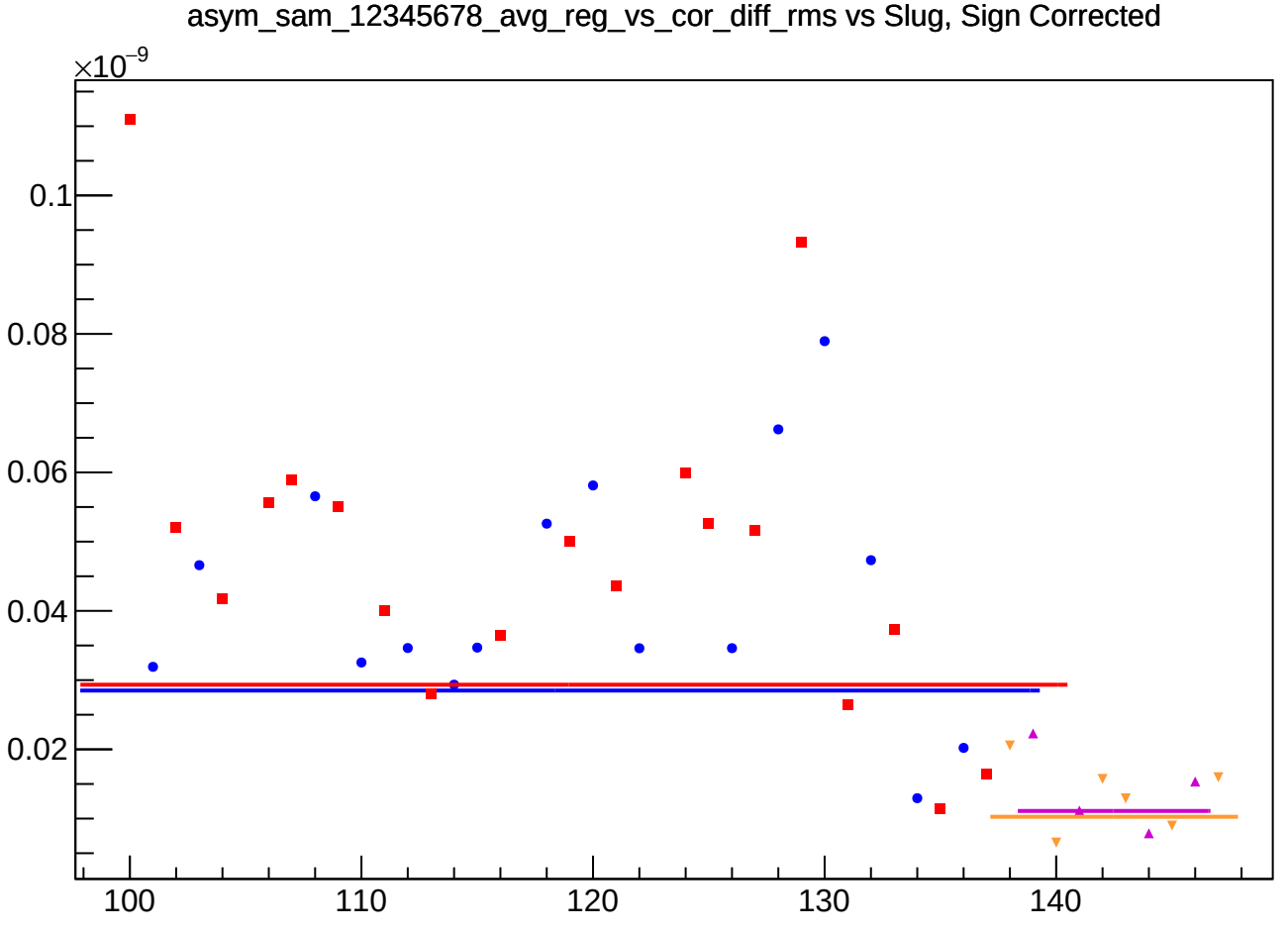
Left: -0.000+/-0.000 χ^2/NDF: 7.4/9

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:9.0/19

Out: -0.000+/-0.000 χ^2/NDF:23.1/24

All: -0.000+/-0.000 χ^2/NDF: 33.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:559349.1/5

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:443112.0/3

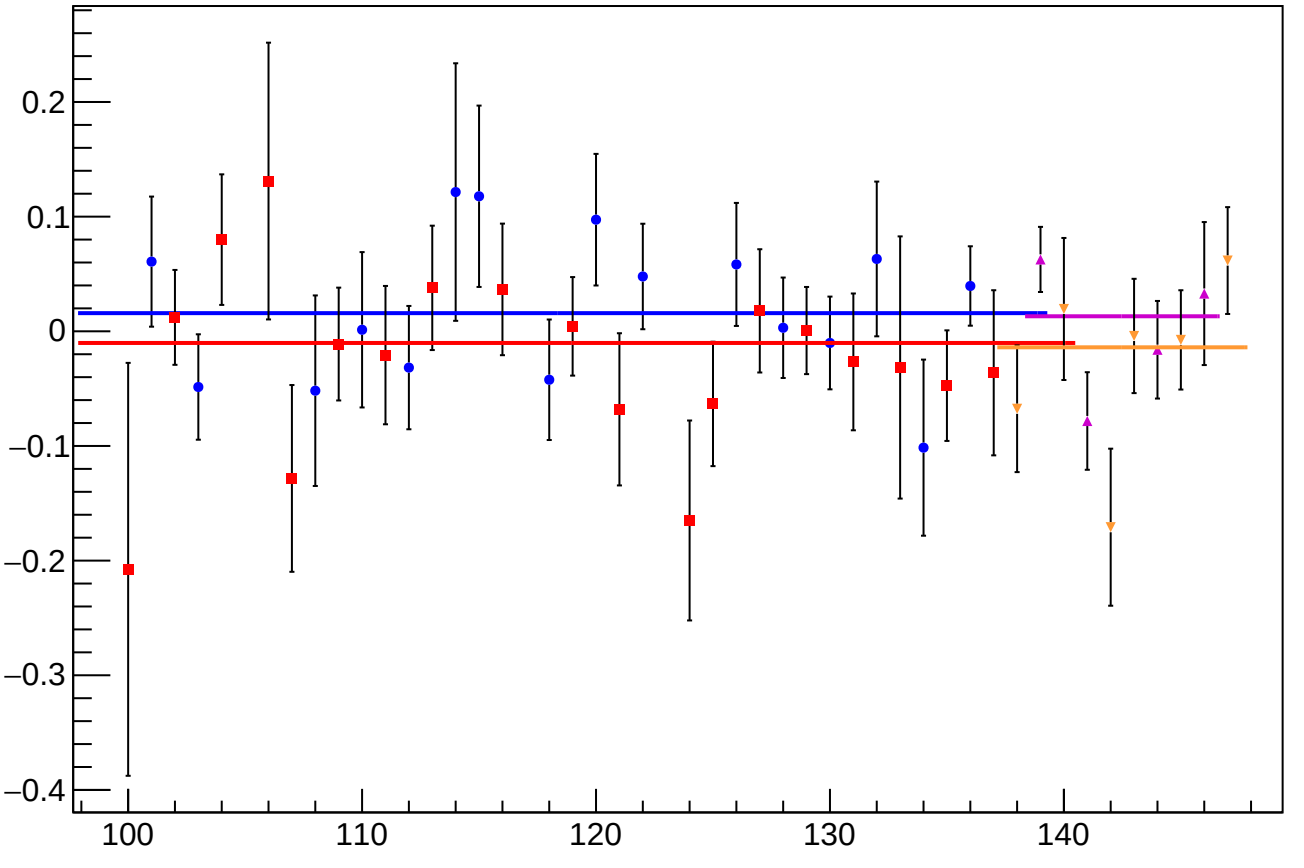
Left: 0.000+/-0.000 χ^2/NDF: 1011611.9/9

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3089189.5/19

Out: 0.000+/-0.000 χ^2/NDF:3877174.9/24

All: 0.000+/-0.000 χ^2/NDF: 7026685.1/44



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: -0.014+/-0.021 χ^2/NDF:9.2/5

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.013+/-0.020 χ^2/NDF:8.2/3

Left: 0.001+/-0.014 χ^2/NDF: 18.3/9

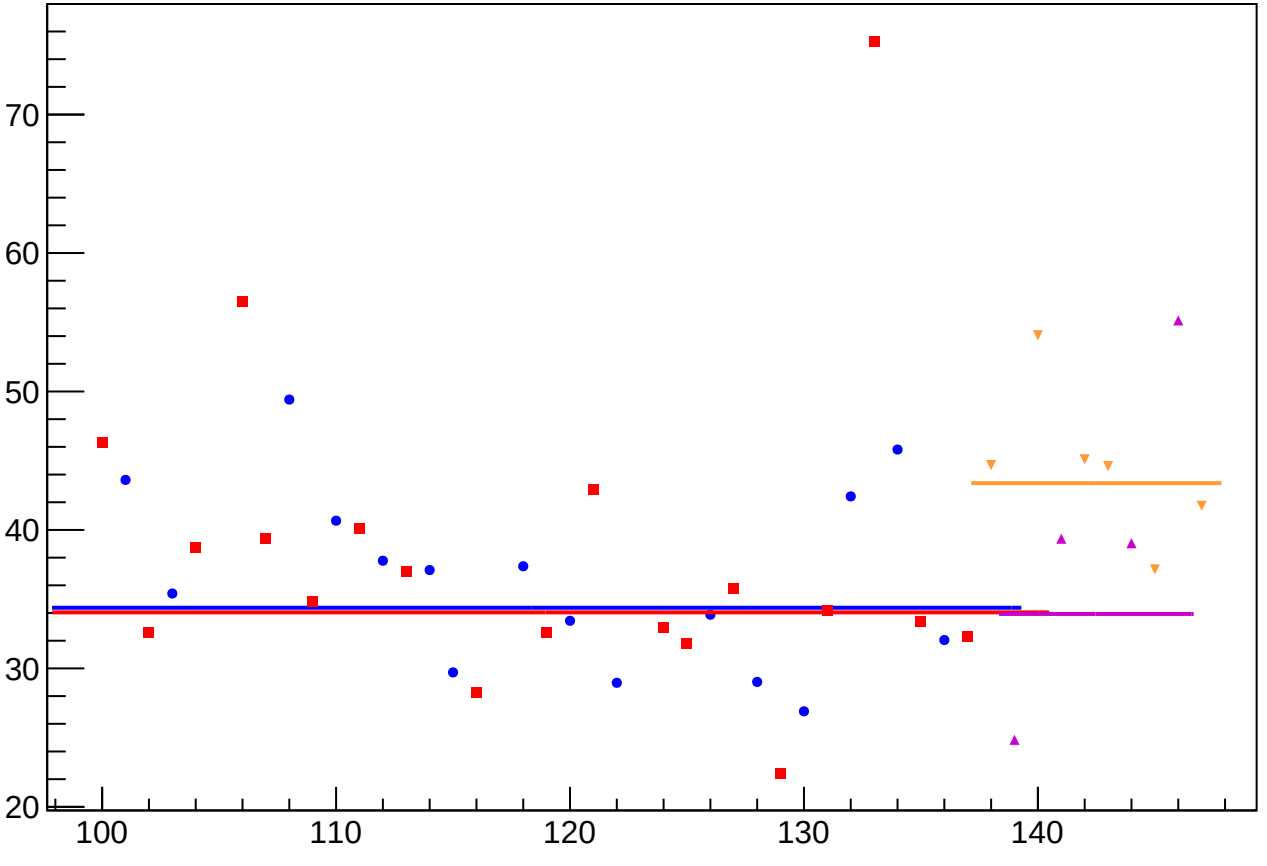
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.015+/-0.011 χ^2/NDF:23.0/19

Out: -0.011+/-0.011 χ^2/NDF:24.3/24

All: 0.002+/-0.008 χ^2/NDF: 50.1/44

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 43.379+/-0.015 χ^2/NDF:106930.2/5

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.933+/-0.014 χ^2/NDF:497534.3/3

Left: 38.259+/-0.010 χ^2/NDF: 817089.7/9

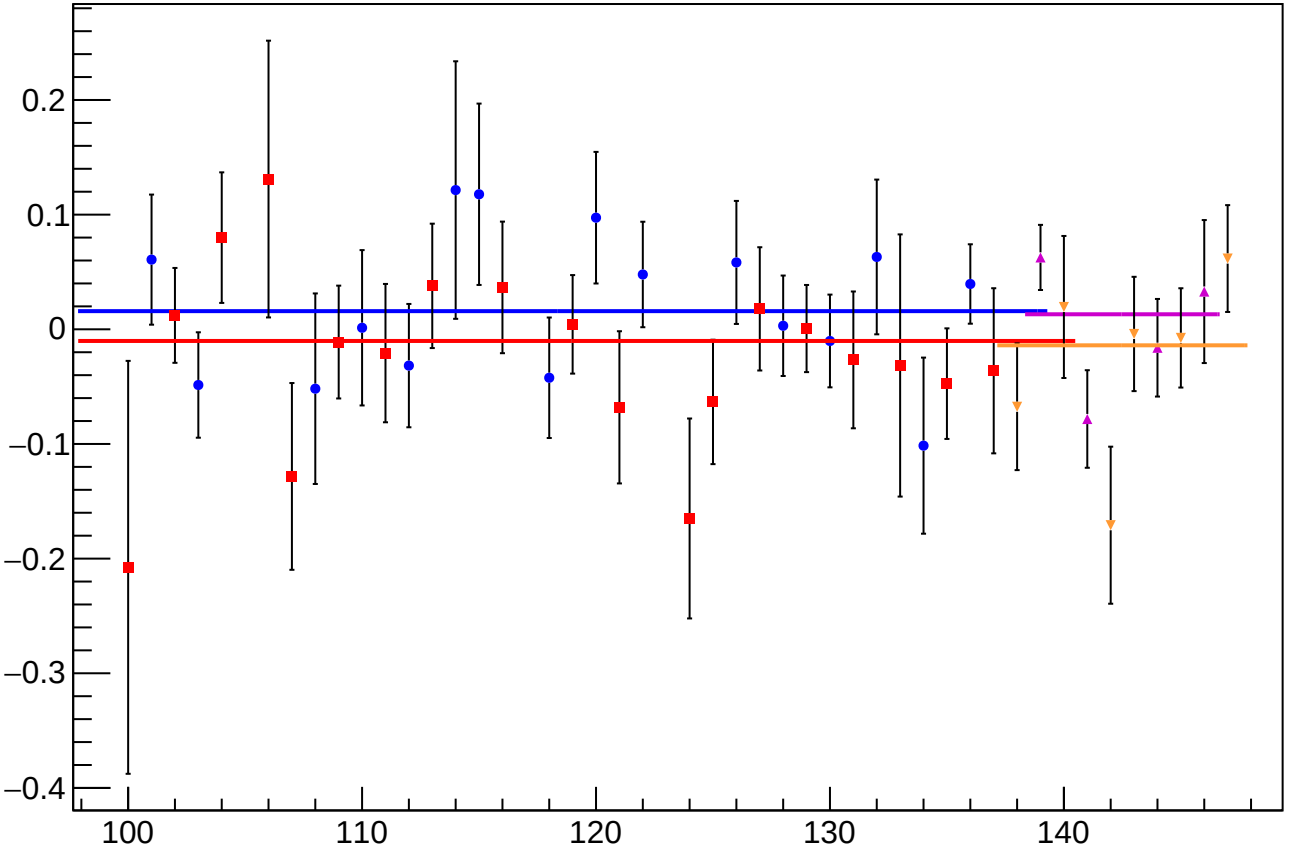
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.239+/-0.008 χ^2/NDF:866131.4/19

Out: 36.634+/-0.008 χ^2/NDF:1026370.0/24

All: 35.418+/-0.006 χ^2/NDF: 1938670.7/44

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: -0.014+/-0.021 χ^2/NDF:9.2/5

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.013+/-0.020 χ^2/NDF:8.2/3

Left: 0.001+/-0.014 χ^2/NDF: 18.3/9

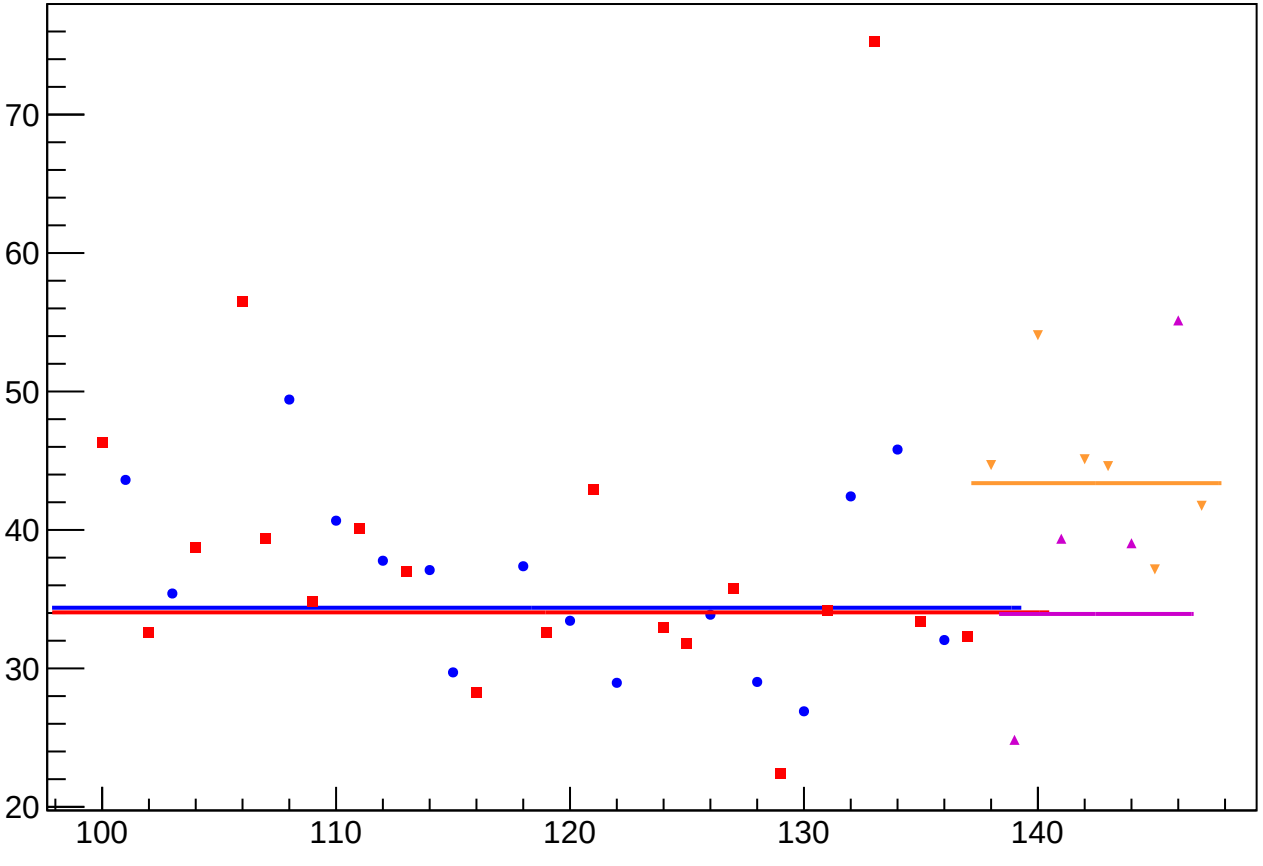
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.015+/-0.011 χ^2/NDF:23.0/19

Out: -0.011+/-0.011 χ^2/NDF:24.3/24

All: 0.002+/-0.008 χ^2/NDF: 50.1/44

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: 43.379+/-0.015 χ^2/NDF:106930.2/5

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.933+/-0.014 χ^2/NDF:497534.3/3

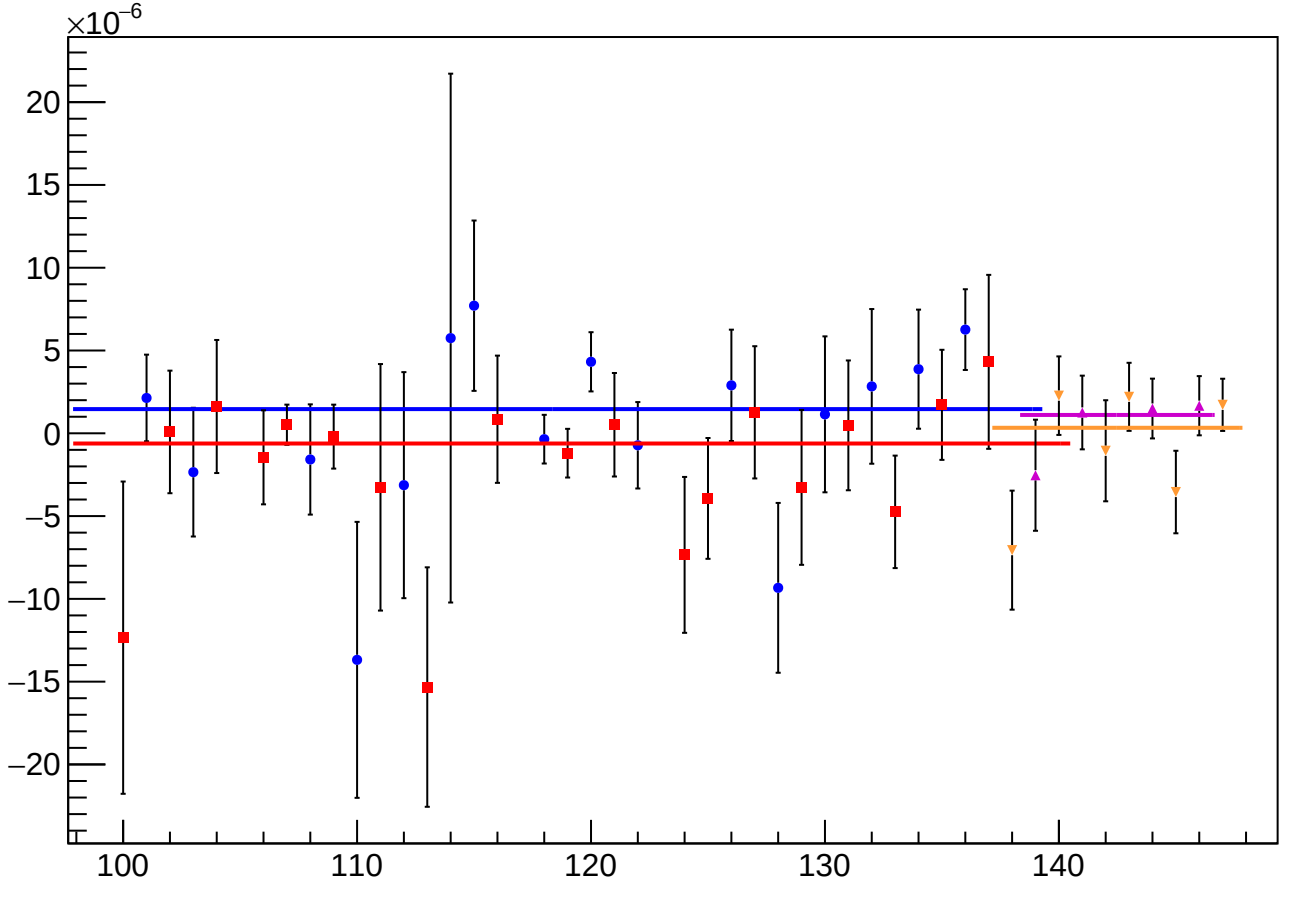
Left: 38.259+/-0.010 χ^2/NDF: 817089.7/9

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.239+/-0.008 χ^2/NDF:866131.4/19

Out: 36.634+/-0.008 χ^2/NDF:1026370.0/24

All: 35.418+/-0.006 χ^2/NDF: 1938670.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/5

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.3/3

Left: 0.000+/-0.000 χ^2/NDF: 10.8/9

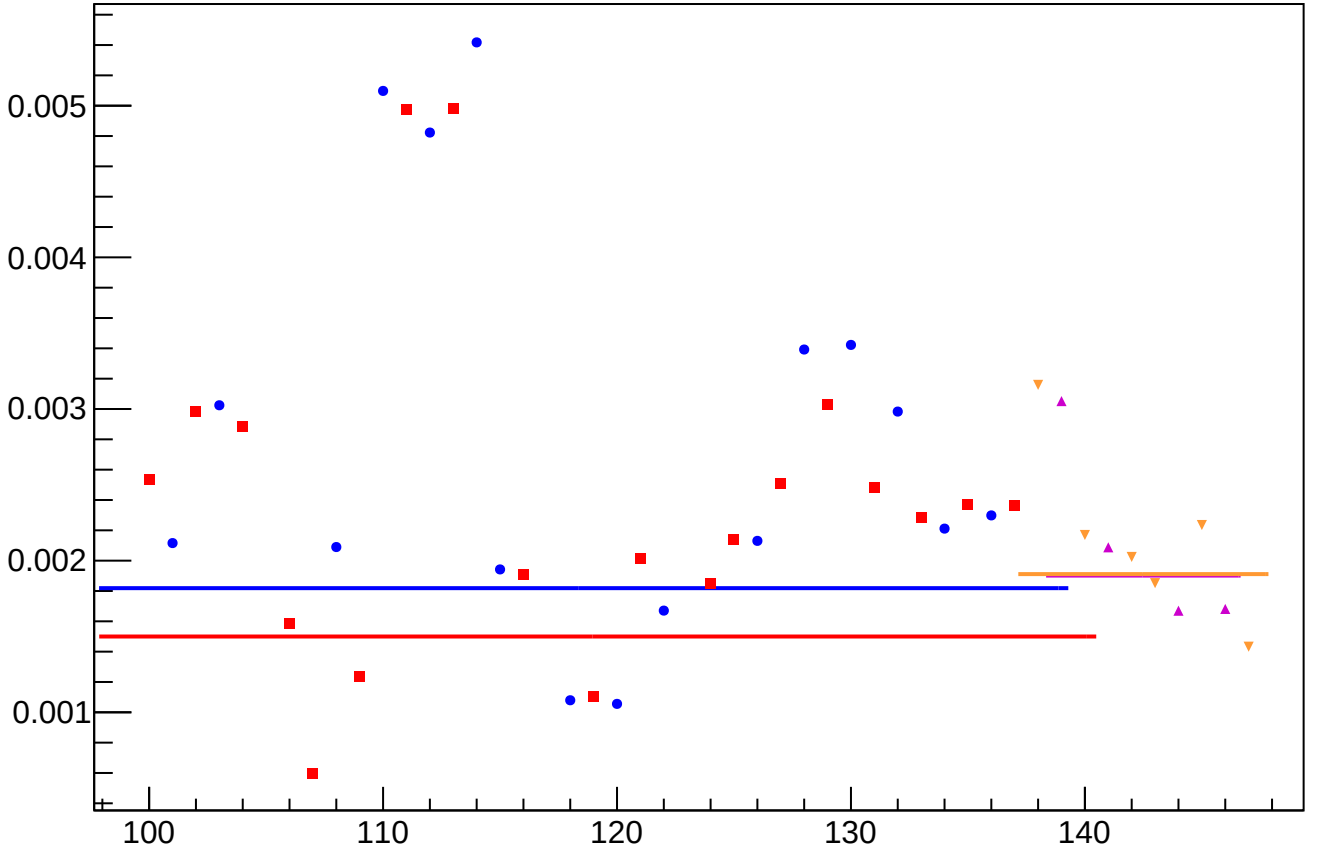
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:22.4/19

Out: -0.000+/-0.000 χ^2/NDF:23.8/24

All: 0.000+/-0.000 χ^2/NDF: 50.3/44

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:487264.7/5

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:312400.3/3

Left: 0.002+/-0.000 χ^2/NDF: 799761.7/9

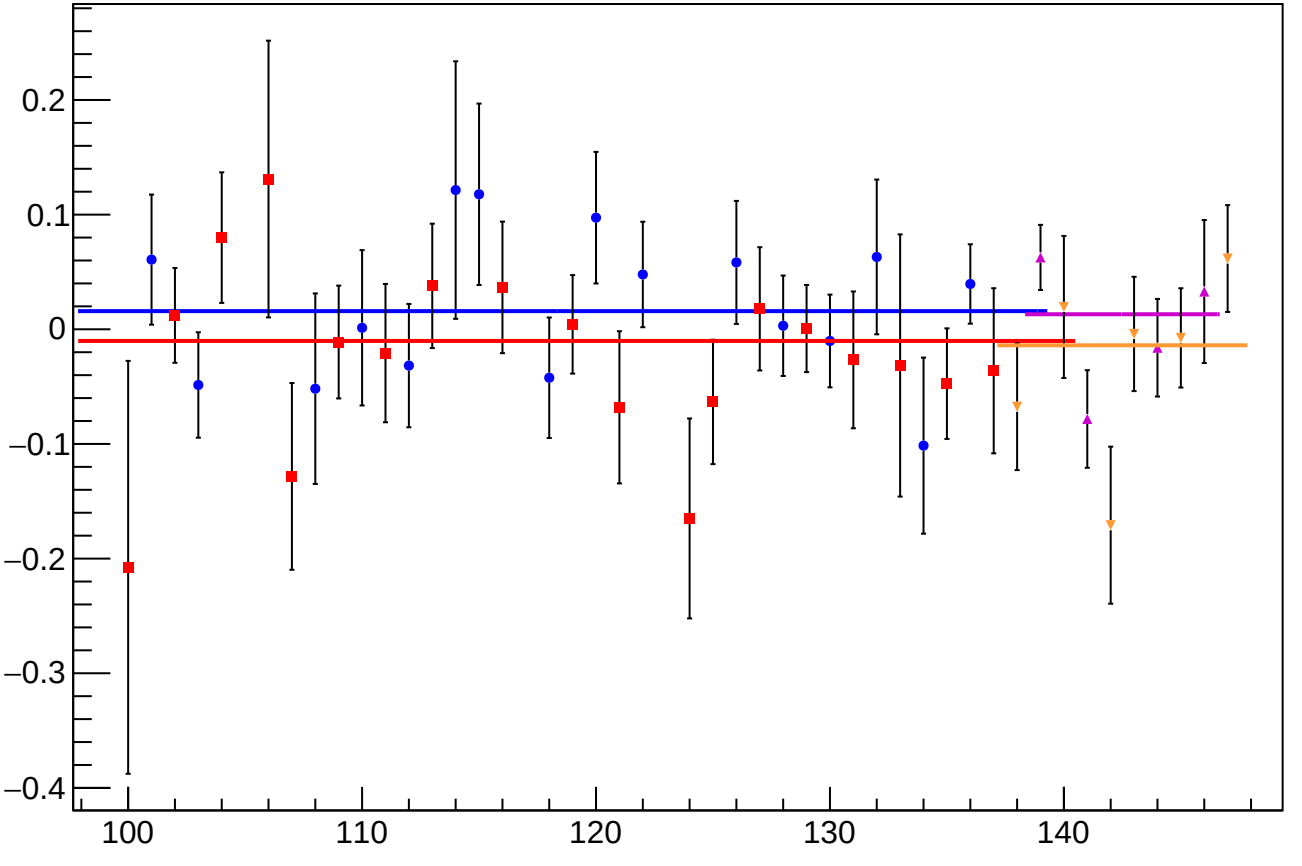
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:2890909.8/19

Out: 0.002+/-0.000 χ^2/NDF:4441802.9/24

All: 0.002+/-0.000 χ^2/NDF: 7470663.8/44

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: -0.014+/-0.021 χ^2/NDF:9.2/5

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.013+/-0.020 χ^2/NDF:8.2/3

Left: 0.001+/-0.014 χ^2/NDF: 18.3/9

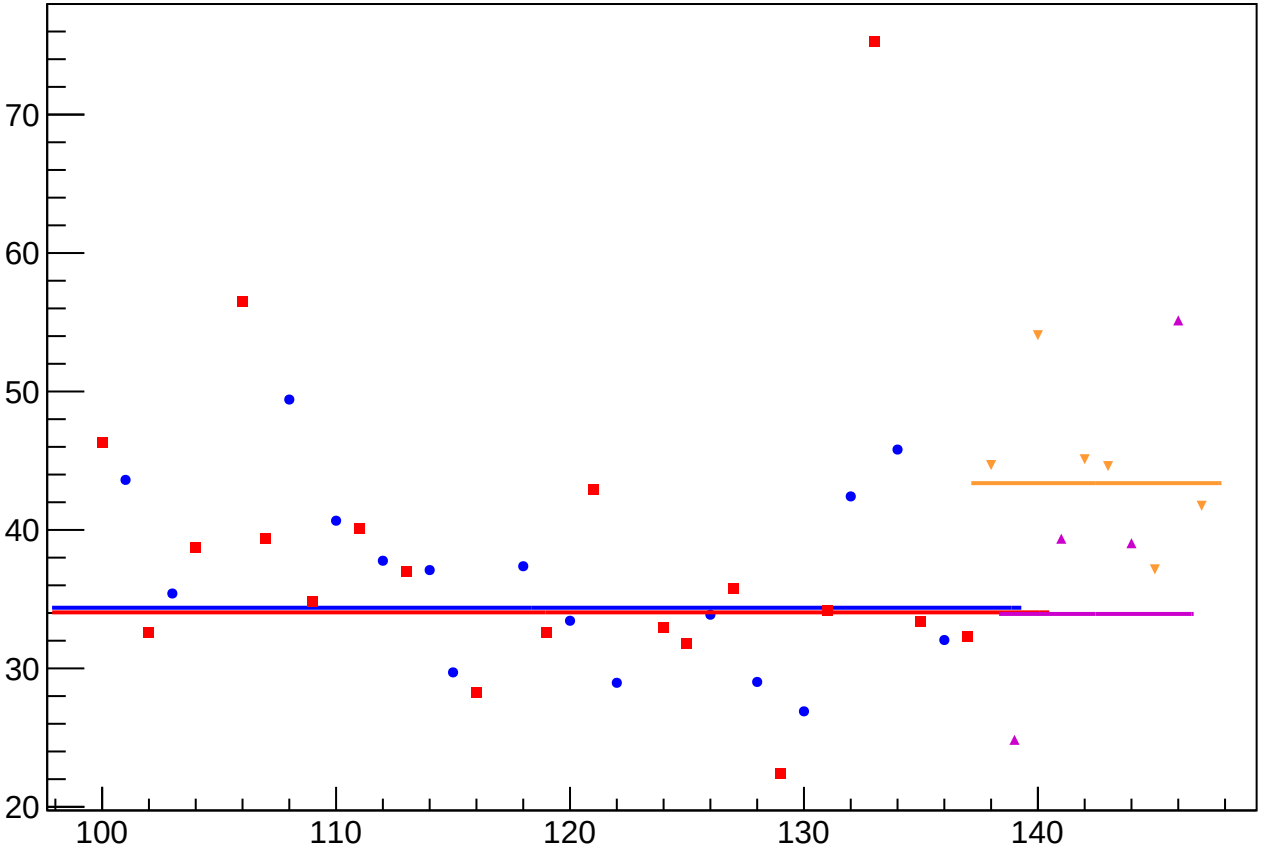
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.015+/-0.011 χ^2/NDF:23.0/19

Out: -0.011+/-0.011 χ^2/NDF:24.3/24

All: 0.002+/-0.008 χ^2/NDF: 50.1/44

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: 43.380+/-0.015 χ^2/NDF:106916.8/5

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.933+/-0.014 χ^2/NDF:497546.1/3

Left: 38.260+/-0.010 χ^2/NDF: 817093.5/9

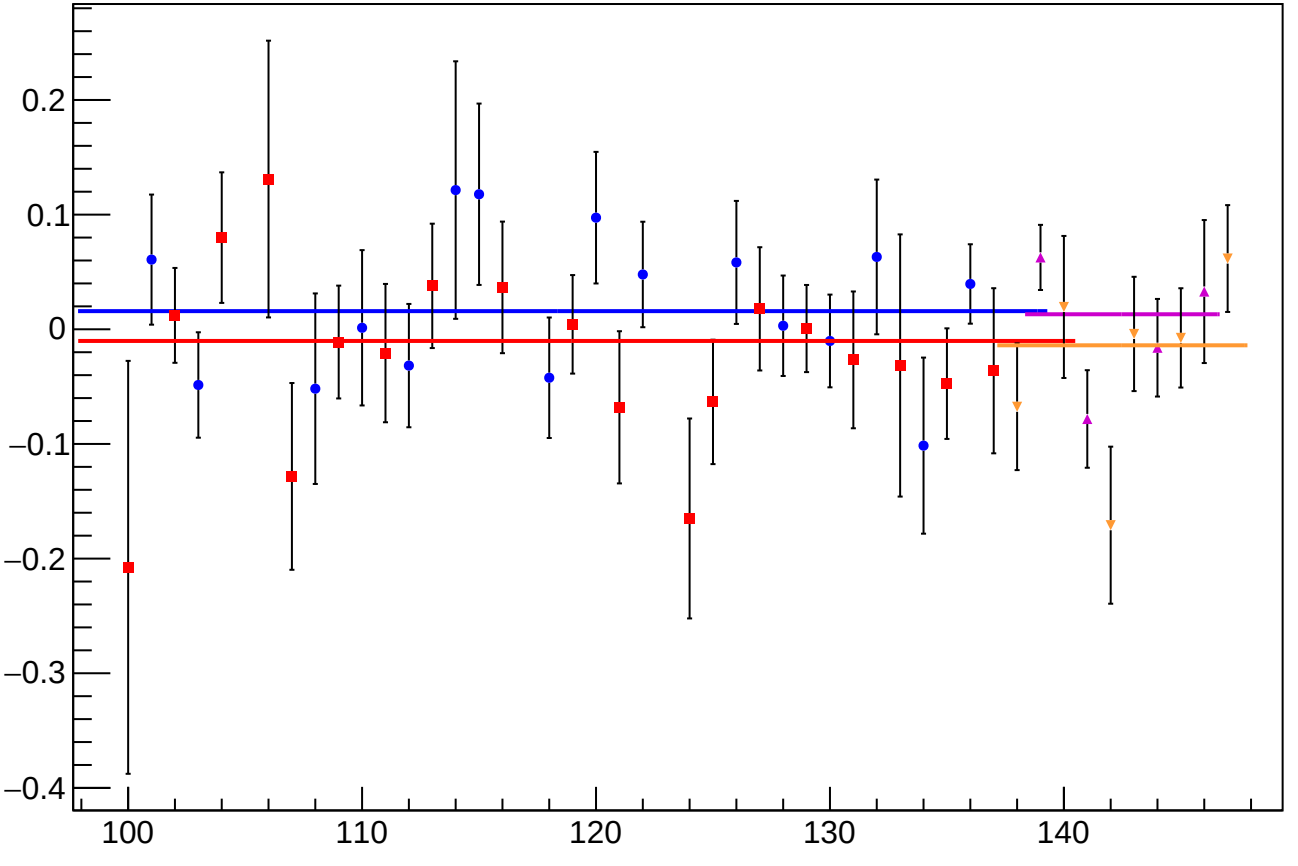
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.239+/-0.008 χ^2/NDF:866196.8/19

Out: 36.633+/-0.008 χ^2/NDF:1026462.9/24

All: 35.418+/-0.006 χ^2/NDF: 1938833.0/44

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: -0.014+/-0.021 χ^2/NDF:9.2/5

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.013+/-0.020 χ^2/NDF:8.2/3

Left: 0.001+/-0.014 χ^2/NDF: 18.3/9

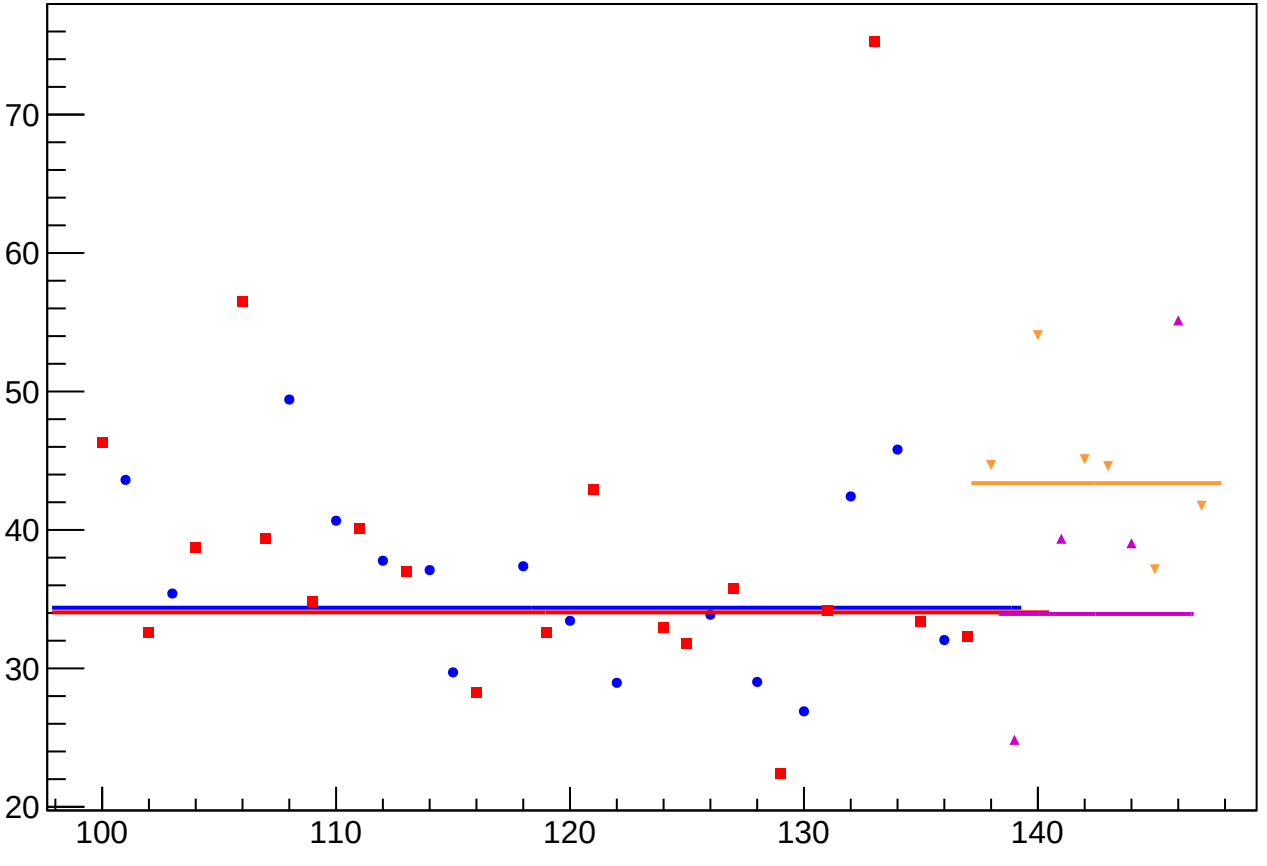
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.015+/-0.011 χ^2/NDF:23.0/19

Out: -0.011+/-0.011 χ^2/NDF:24.3/24

All: 0.002+/-0.008 χ^2/NDF: 50.1/44

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: 43.380+/-0.015 χ^2/NDF:106916.8/5

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.933+/-0.014 χ^2/NDF:497546.1/3

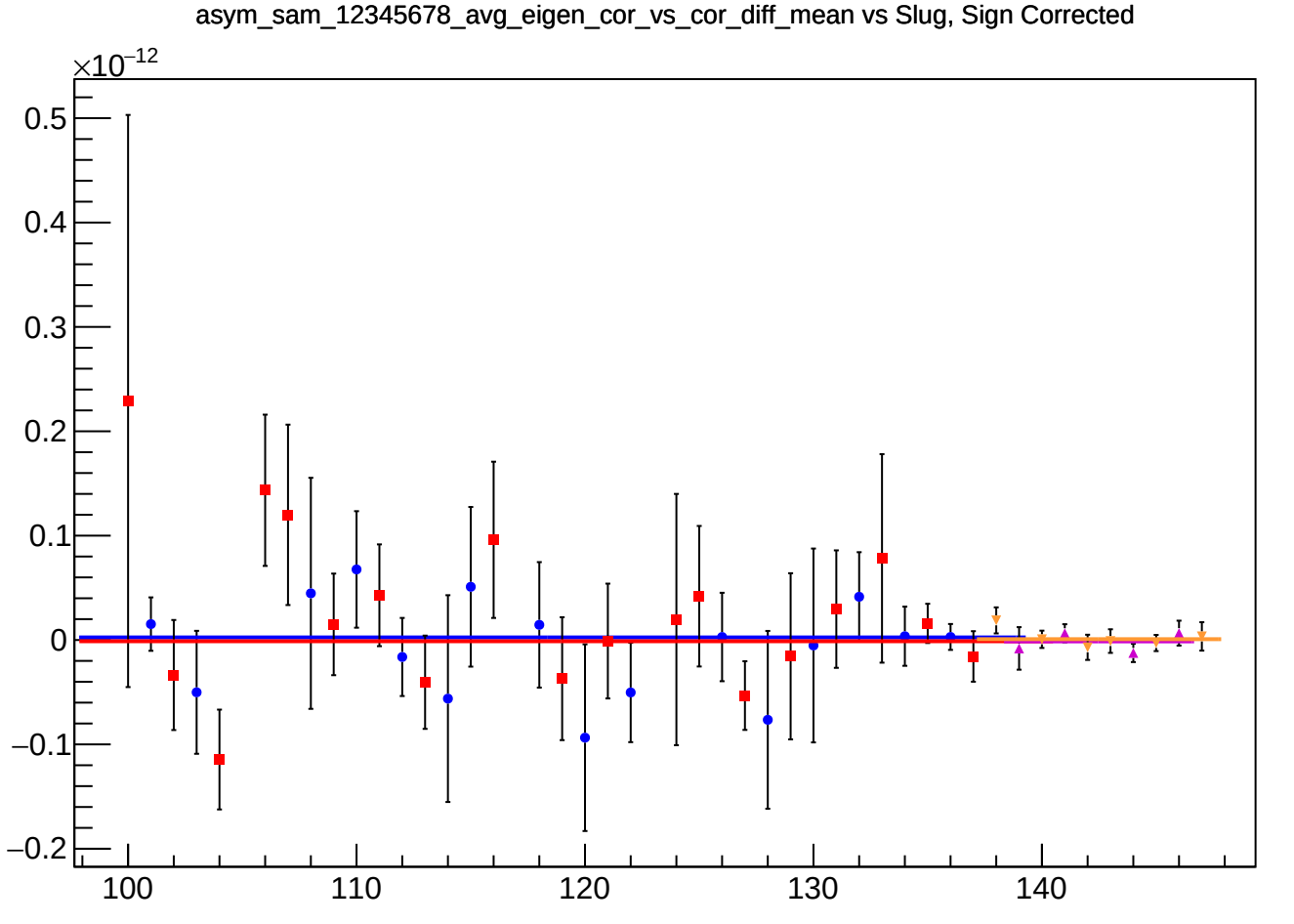
Left: 38.260+/-0.010 χ^2/NDF: 817093.5/9

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.239+/-0.008 χ^2/NDF:866196.8/19

Out: 36.633+/-0.008 χ^2/NDF:1026462.9/24

All: 35.418+/-0.006 χ^2/NDF: 1938833.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/5

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/3

Left: -0.000+/-0.000 χ^2/NDF: 5.8/9

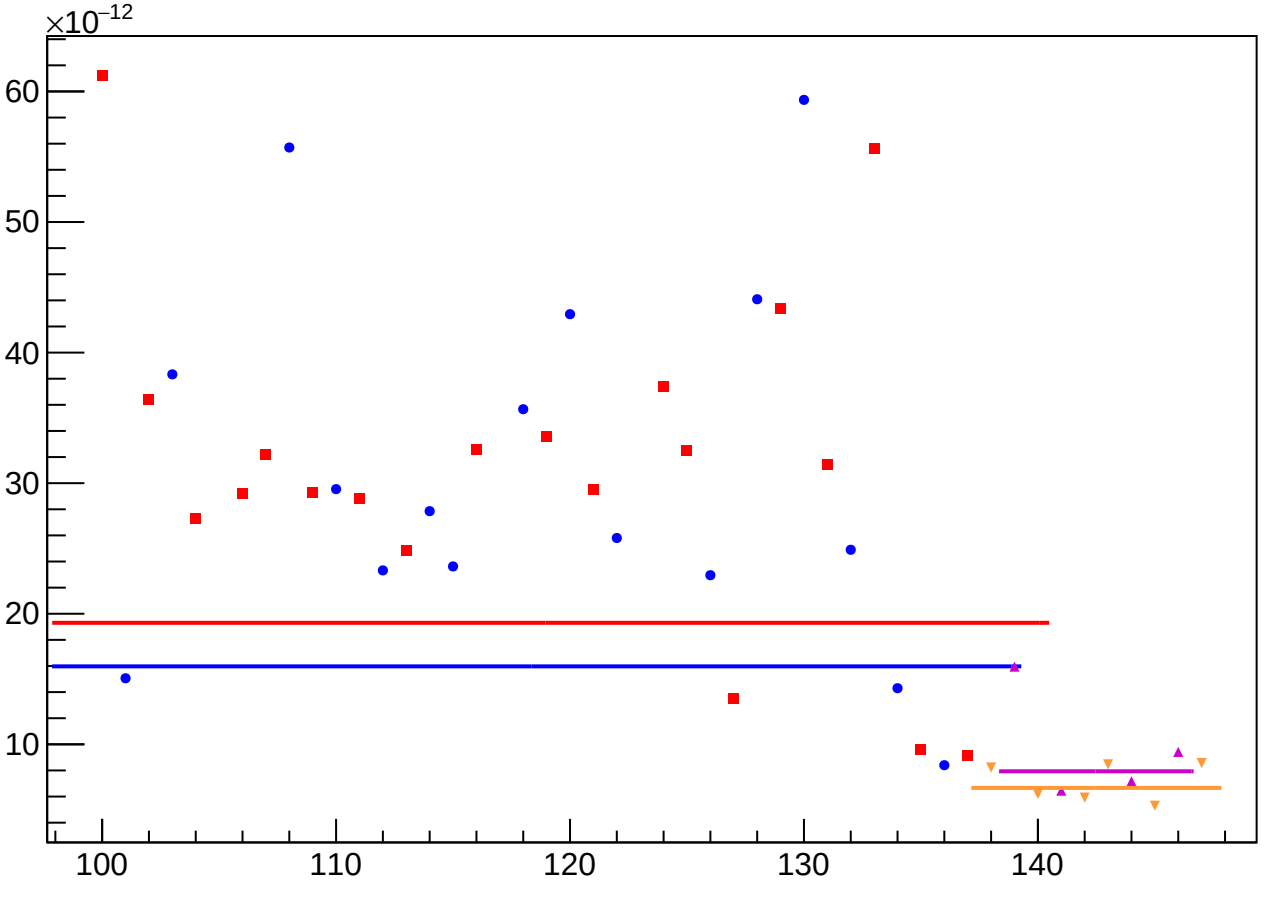
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:10.8/19

Out: 0.000+/-0.000 χ^2/NDF:24.3/24

All: 0.000+/-0.000 χ^2/NDF: 35.1/44

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:197227.9/5

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:414578.3/3

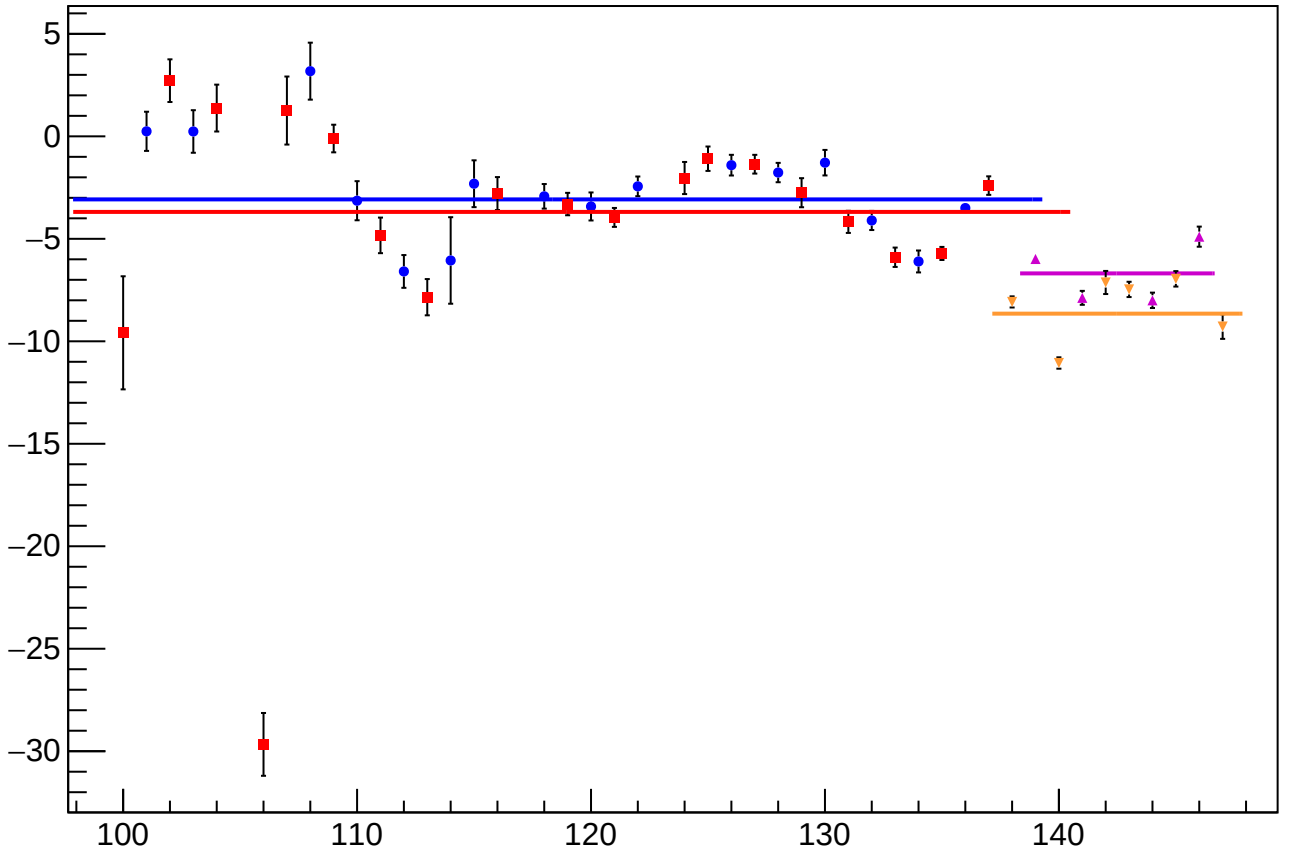
Left: 0.000+/-0.000 χ^2/NDF: 683280.9/9

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:4478941.0/19

Out: 0.000+/-0.000 χ^2/NDF:5270732.3/24

All: 0.000+/-0.000 χ^2/NDF: 9899512.4/44



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.651+/-0.146 χ^2/NDF:118.4/5

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.687+/-0.164 χ^2/NDF:46.5/3

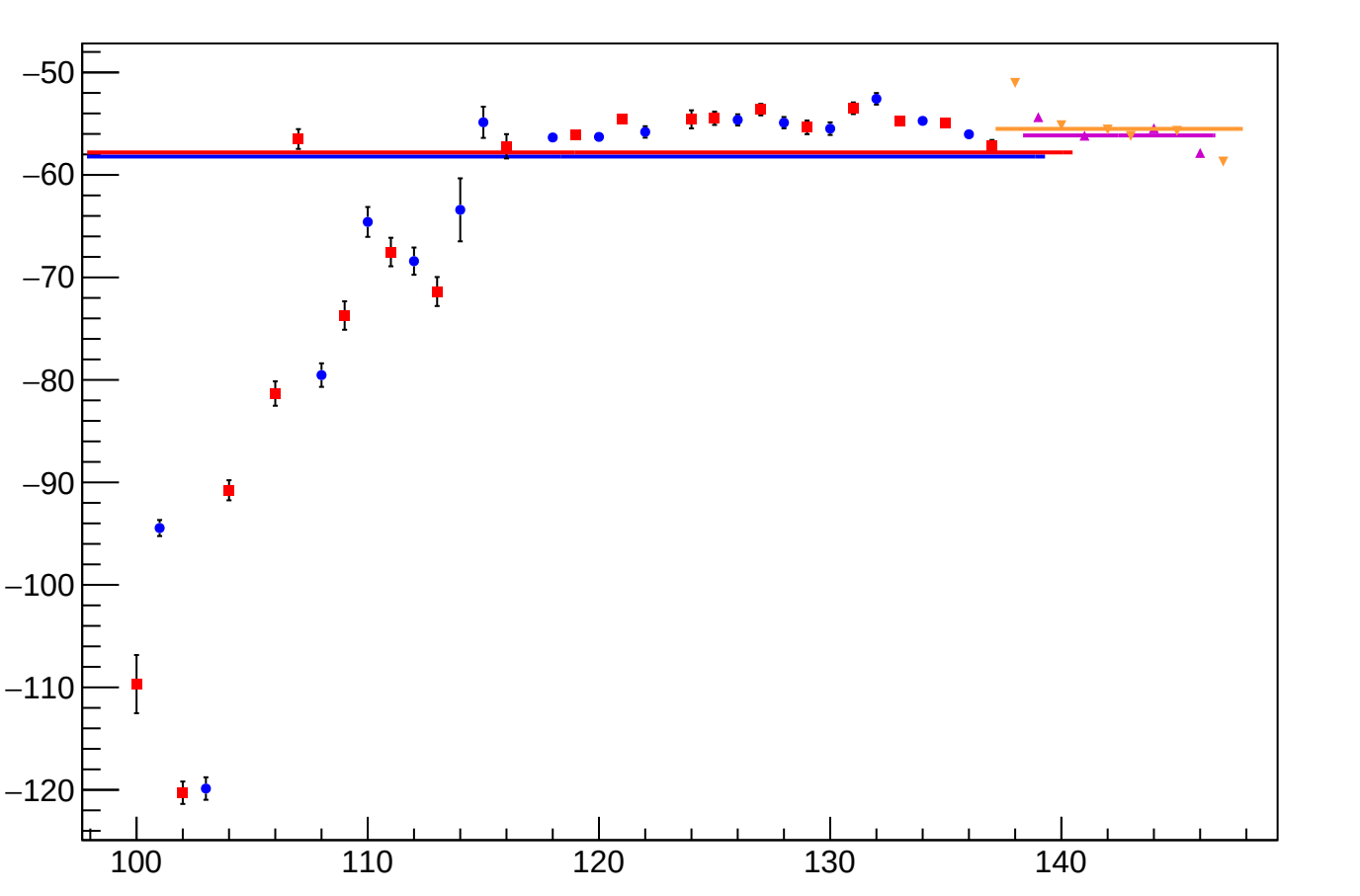
Left: -7.779+/-0.109 χ^2/NDF: 244.9/9

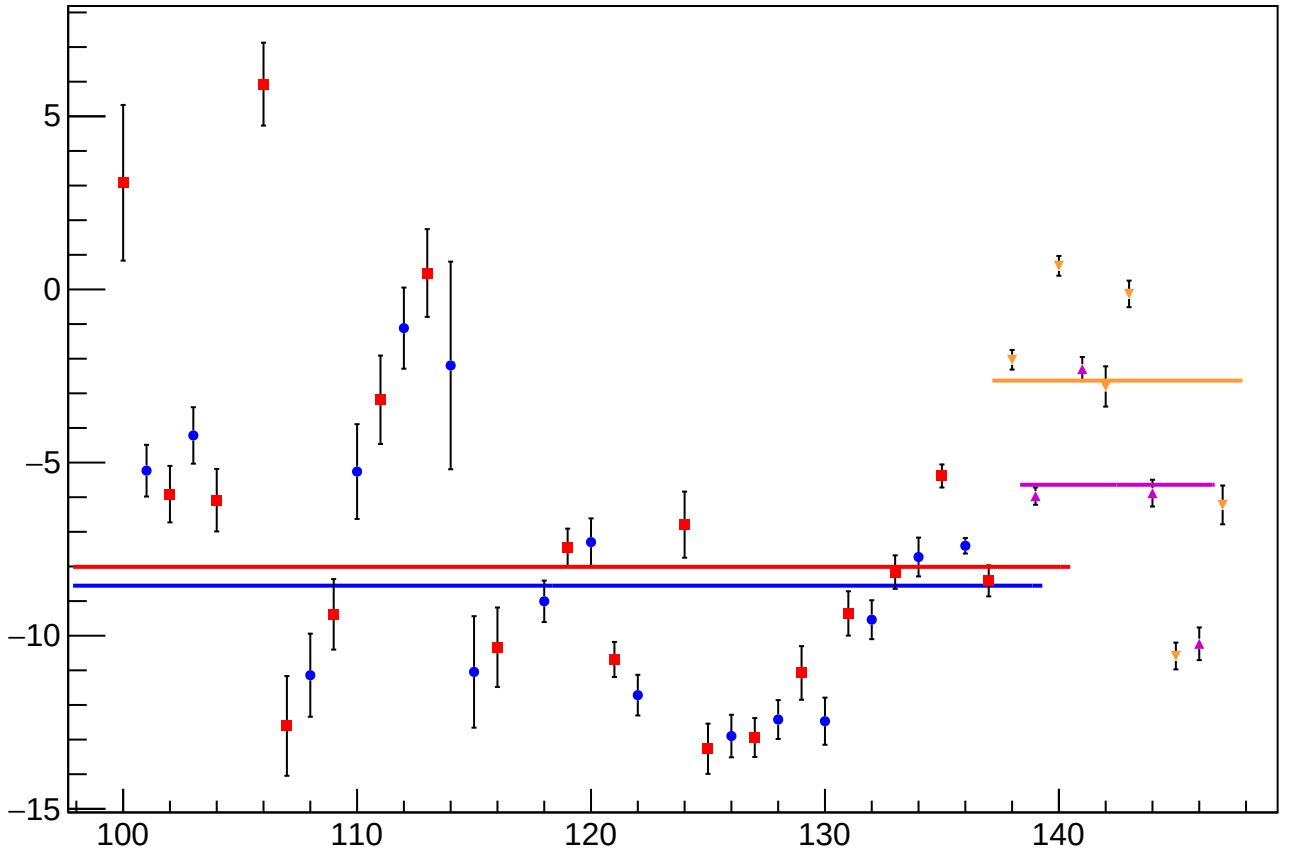
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -4.540+/-0.104 χ^2/NDF:469.2/19

Out: -6.062+/-0.101 χ^2/NDF:1253.1/24

All: -5.324+/-0.073 χ^2/NDF: 1831.9/44


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -55.505+/-0.118 χ²/NDF:342.7/5
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -56.147+/-0.150 χ²/NDF:54.3/3
Left: -55.752+/-0.093 χ²/NDF: 408.3/9
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -57.277+/-0.100 χ²/NDF:6285.1/19
Out: -56.476+/-0.090 χ²/NDF:6294.6/24
All: -56.832+/-0.067 χ²/NDF: 12615.0/44



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -2.632+/-0.150 χ^2/NDF:645.8/5

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -5.641+/-0.168 χ^2/NDF:188.5/3

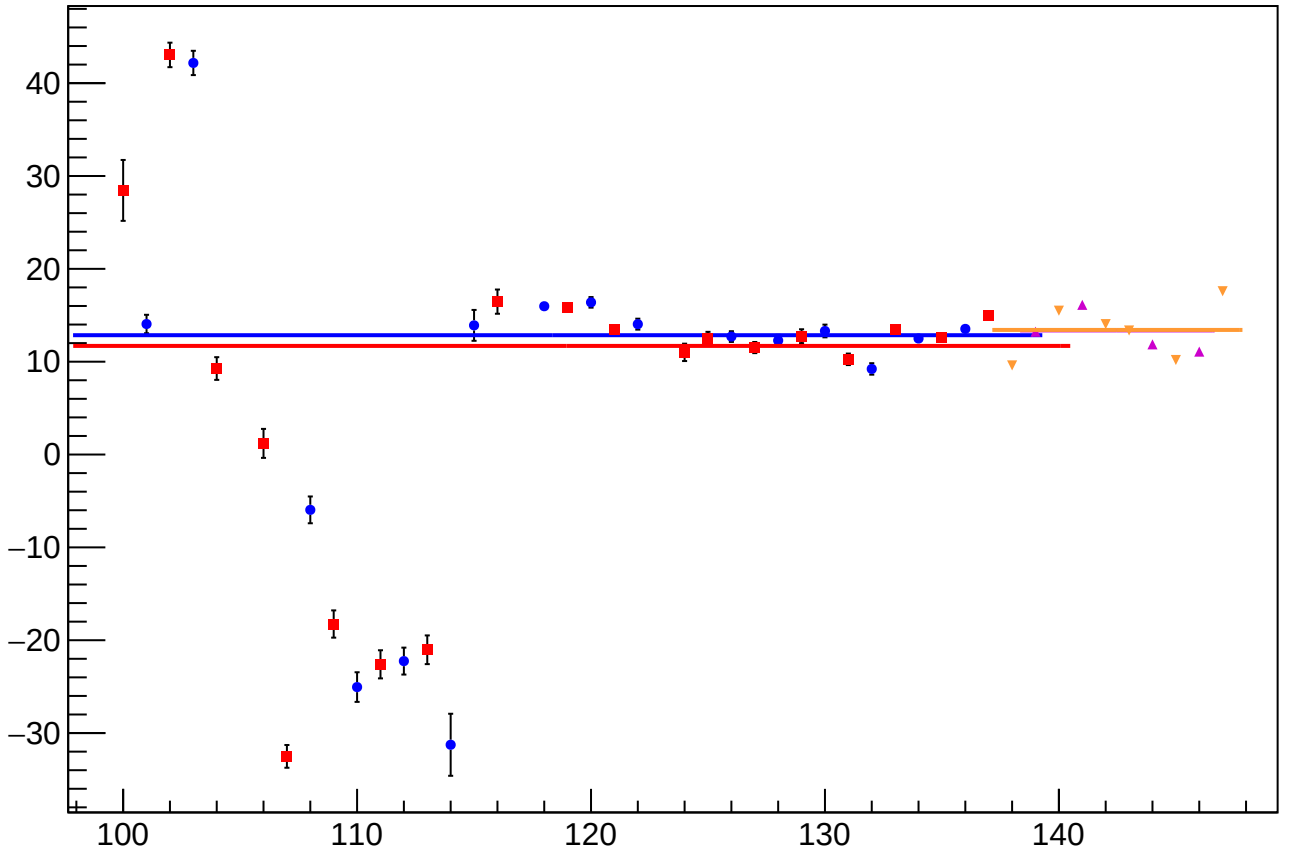
Left: -3.968+/-0.112 χ^2/NDF: 1012.4/9

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.315+/-0.110 χ^2/NDF:661.9/19

Out: -5.274+/-0.107 χ^2/NDF:1764.6/24

All: -6.271+/-0.077 χ^2/NDF: 2603.6/44



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.421+/-0.141 χ^2/NDF:379.7/5

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 13.368+/-0.172 χ^2/NDF:144.3/3

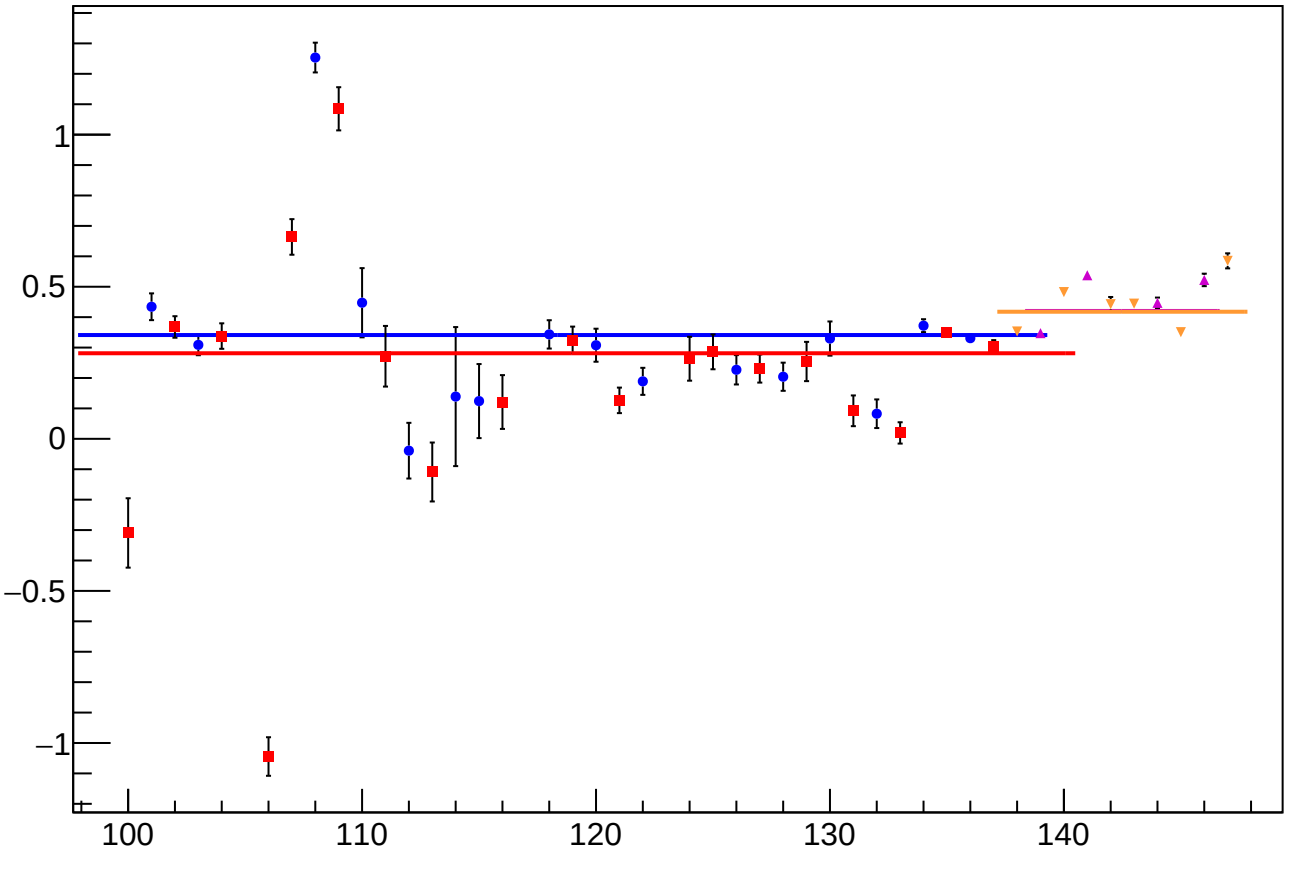
Left: 13.400+/-0.109 χ^2/NDF: 524.1/9

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.075+/-0.113 χ^2/NDF:2277.8/19

Out: 12.643+/-0.104 χ^2/NDF:3946.1/24

All: 12.841+/-0.077 χ^2/NDF: 6231.7/44



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.418+/-0.006 χ^2/NDF:130.2/5

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.420+/-0.007 χ^2/NDF:162.2/3

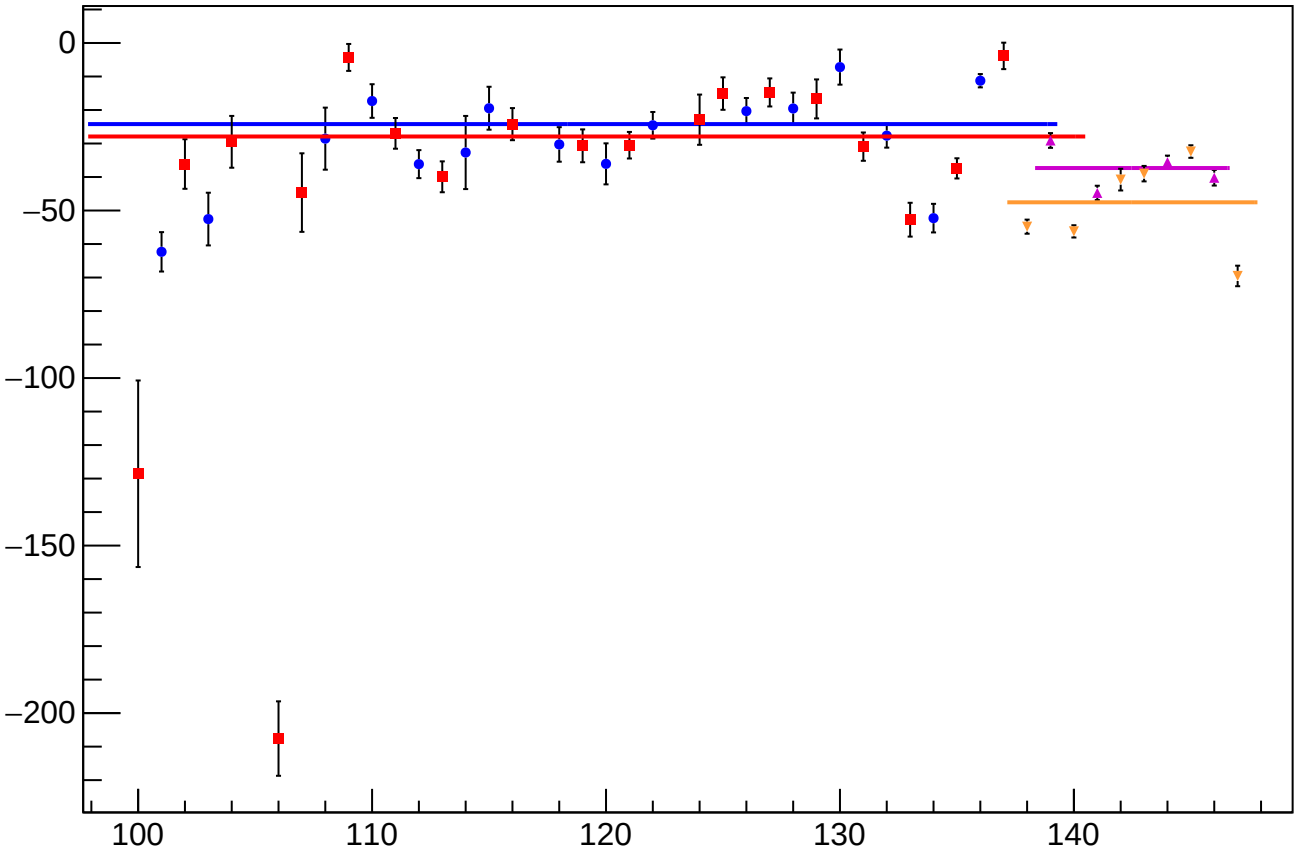
Left: 0.419+/-0.004 χ^2/NDF: 292.4/9

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.388+/-0.005 χ^2/NDF:656.6/19

Out: 0.370+/-0.005 χ^2/NDF:1077.4/24

All: 0.379+/-0.004 χ^2/NDF: 1740.0/44



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.550+/-0.914 χ^2/NDF:169.0/5

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -37.318+/-1.070 χ^2/NDF:28.4/3

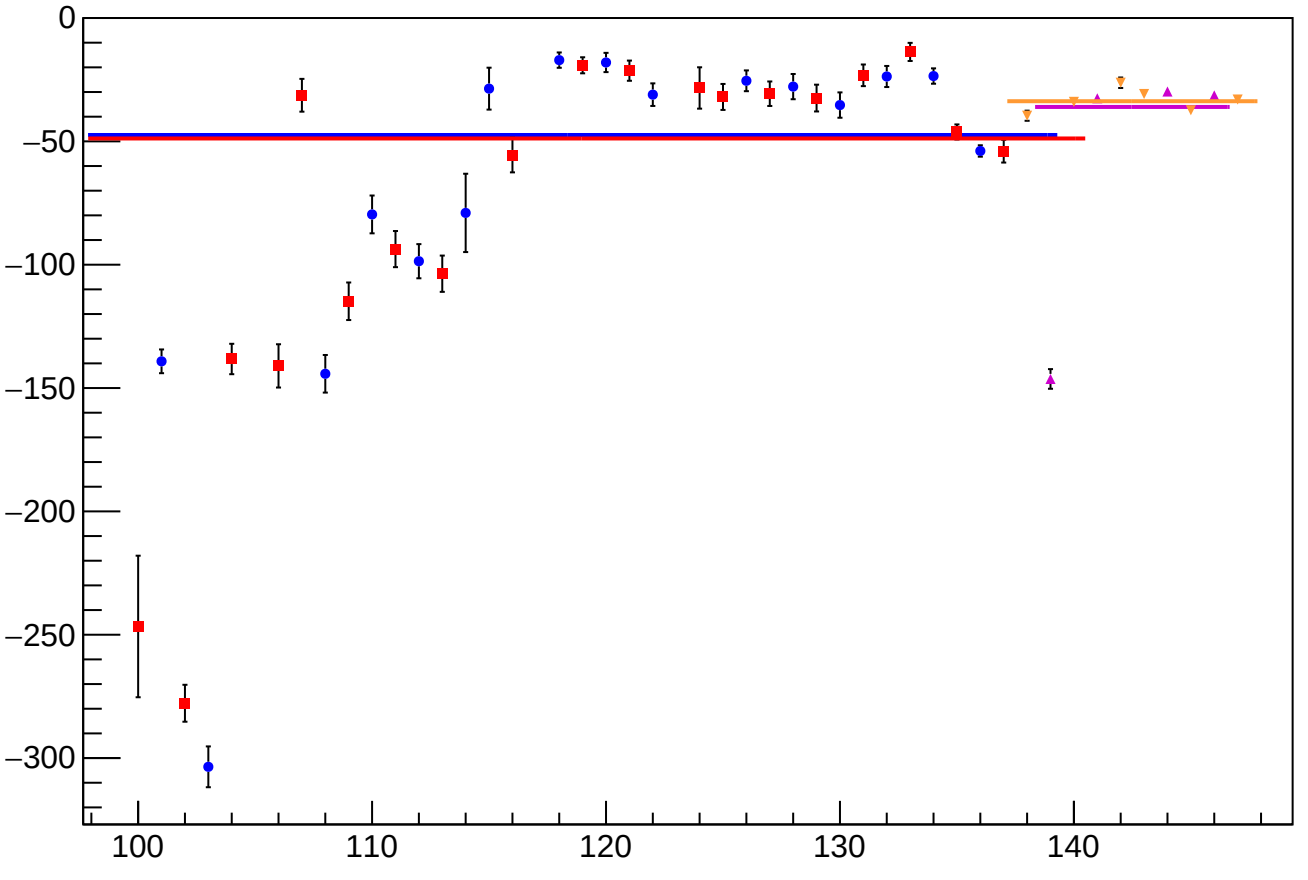
Left: -43.230+/-0.695 χ^2/NDF: 250.2/9

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -30.864+/-0.762 χ^2/NDF:273.1/19

Out: -39.836+/-0.713 χ^2/NDF:763.6/24

All: -35.652+/-0.520 χ^2/NDF: 1110.7/44



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -33.728+/-0.678 χ^2/NDF:29.7/5

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -36.050+/-0.820 χ^2/NDF:801.0/3

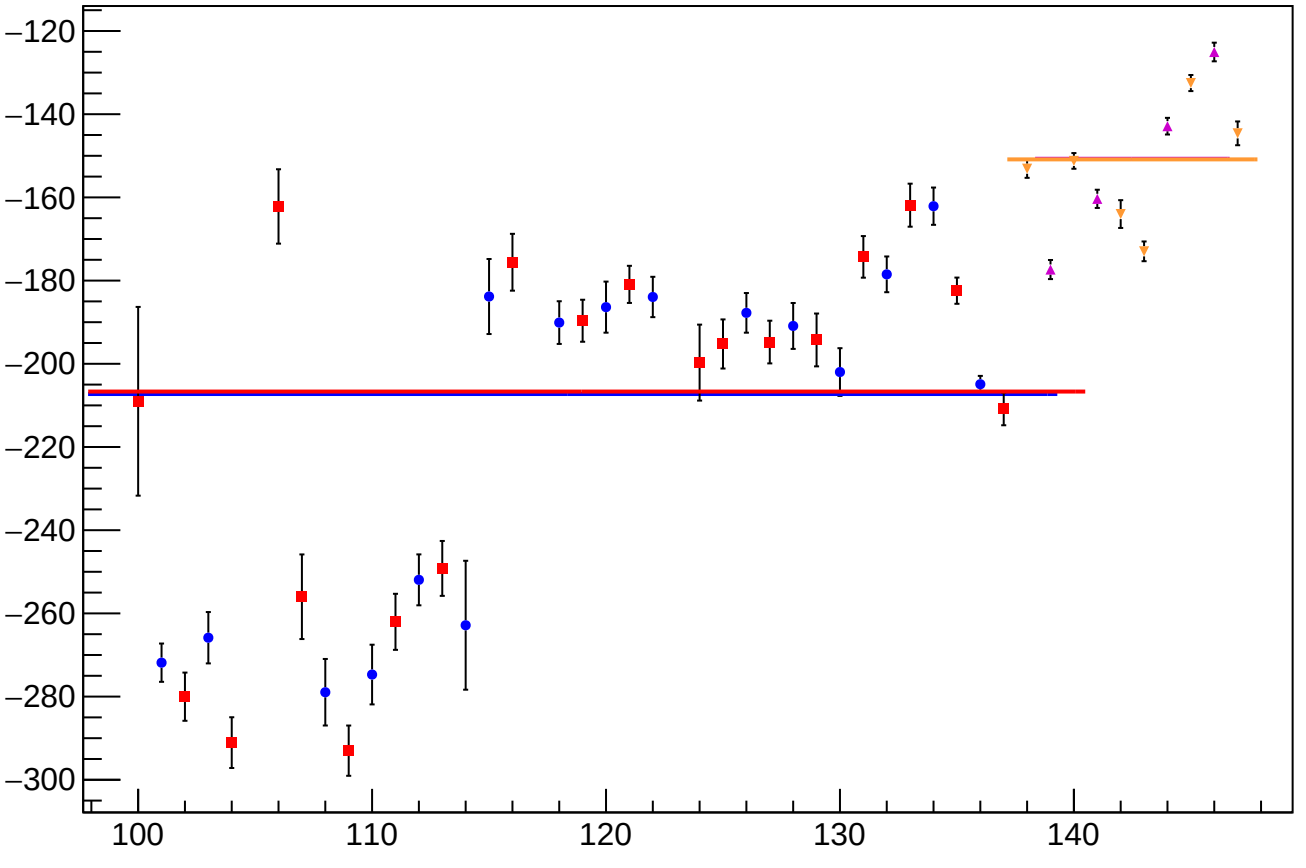
Left: -34.671+/-0.523 χ^2/NDF: 835.4/9

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -40.108+/-0.658 χ^2/NDF:2743.1/19

Out: -37.467+/-0.588 χ^2/NDF:1927.0/24

All: -38.641+/-0.438 χ^2/NDF: 4679.1/44



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -150.864+/-0.934 χ^2/NDF:198.2/5

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -150.715+/-1.087 χ^2/NDF:300.4/3

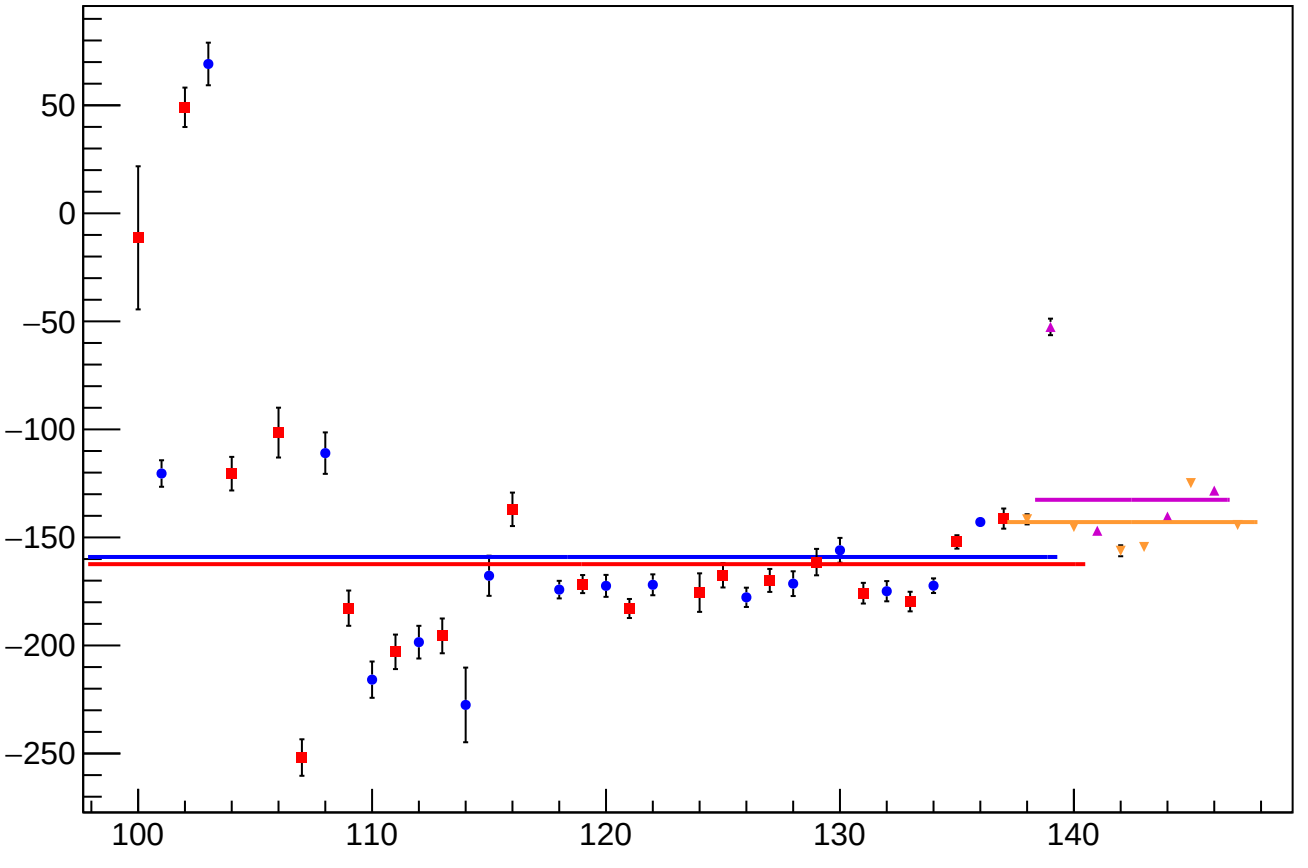
Left: -150.801+/-0.709 χ^2/NDF: 498.6/9

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -176.707+/-0.799 χ^2/NDF:2293.5/19

Out: -170.277+/-0.755 χ^2/NDF:2408.4/24

All: -173.309+/-0.549 χ^2/NDF: 4736.1/44



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -142.898+/-0.822 χ^2/NDF:168.9/5

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -132.583+/-0.977 χ^2/NDF:525.1/3

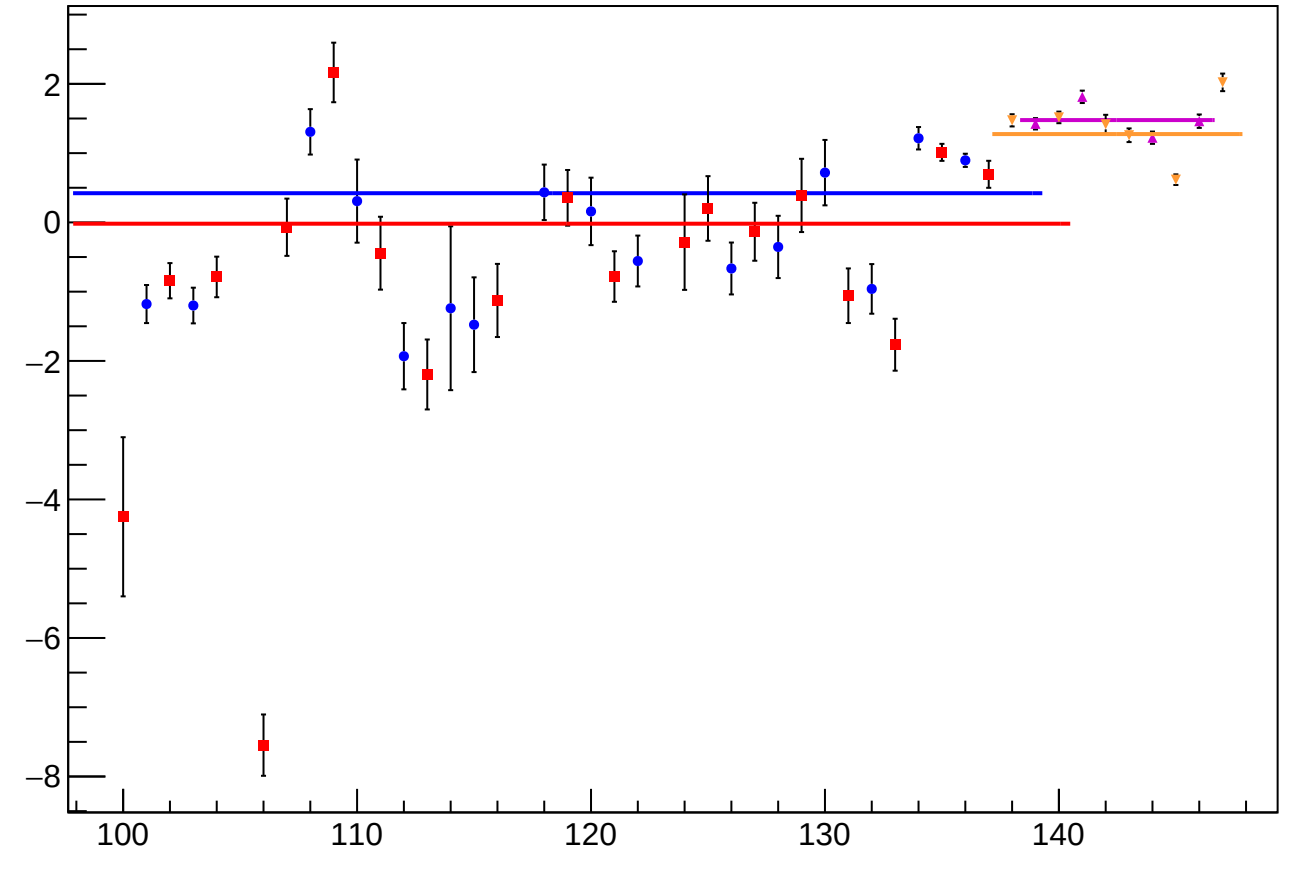
Left: -138.620+/-0.629 χ^2/NDF: 759.3/9

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -142.863+/-0.764 χ^2/NDF:1626.1/19

Out: -148.315+/-0.698 χ^2/NDF:1197.6/24

All: -145.832+/-0.515 χ^2/NDF: 2851.4/44



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.275+/-0.039 χ^2/NDF:122.7/5

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.477+/-0.044 χ^2/NDF:22.7/3

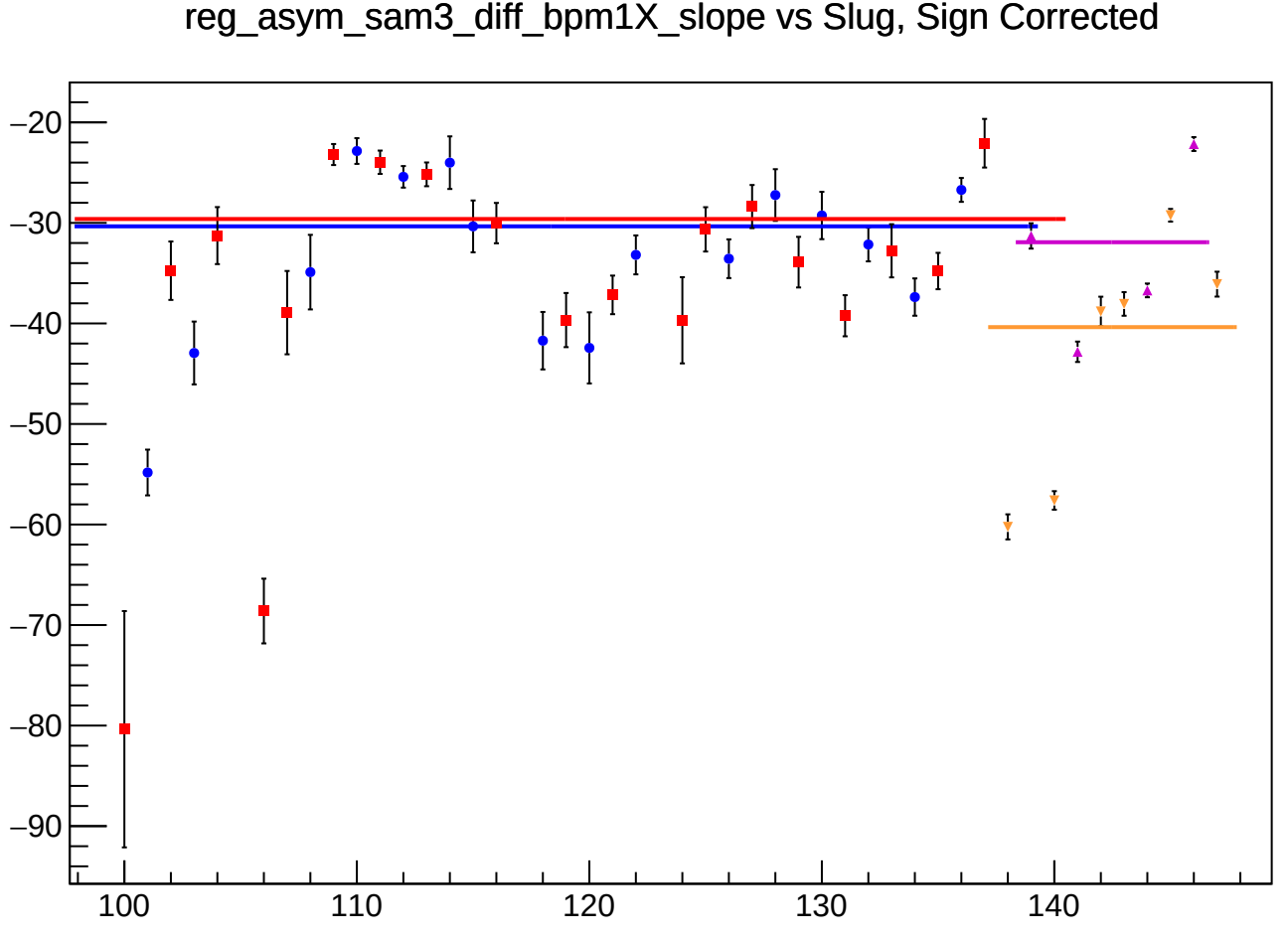
Left: 1.363+/-0.029 χ^2/NDF: 157.1/9

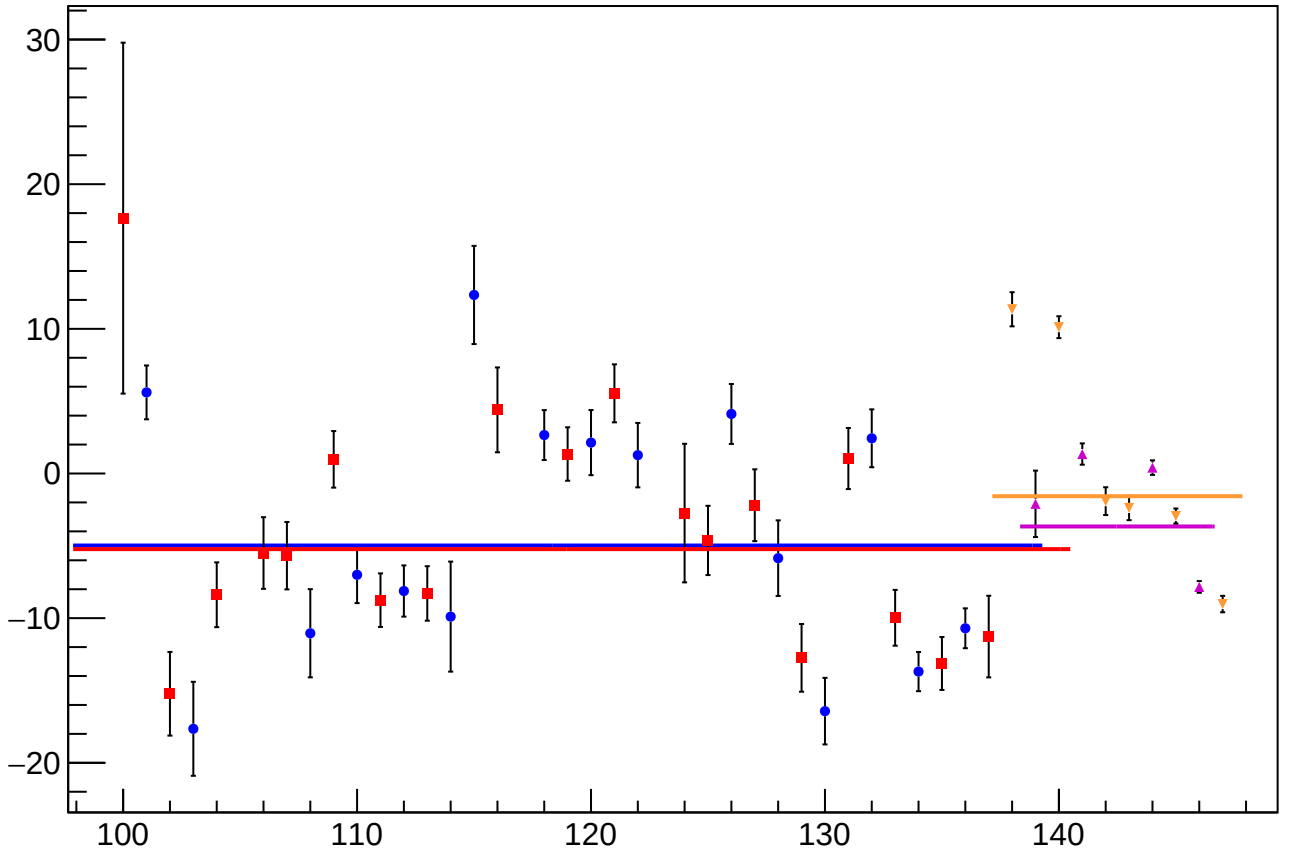
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.139+/-0.037 χ^2/NDF:400.8/19

Out: 0.984+/-0.034 χ^2/NDF:859.1/24

All: 1.057+/-0.025 χ^2/NDF: 1269.4/44


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -40.369+/-0.403 χ²/NDF:931.2/5
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -31.922+/-0.414 χ²/NDF:364.2/3
Left: -36.264+/-0.289 χ²/NDF: 1509.3/9
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -31.228+/-0.310 χ²/NDF:624.2/19
Out: -35.592+/-0.300 χ²/NDF:1577.3/24
All: -33.481+/-0.216 χ²/NDF: 2303.8/44



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -1.570+/-0.291 χ^2/NDF:538.8/5

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -3.661+/-0.287 χ^2/NDF:218.9/3

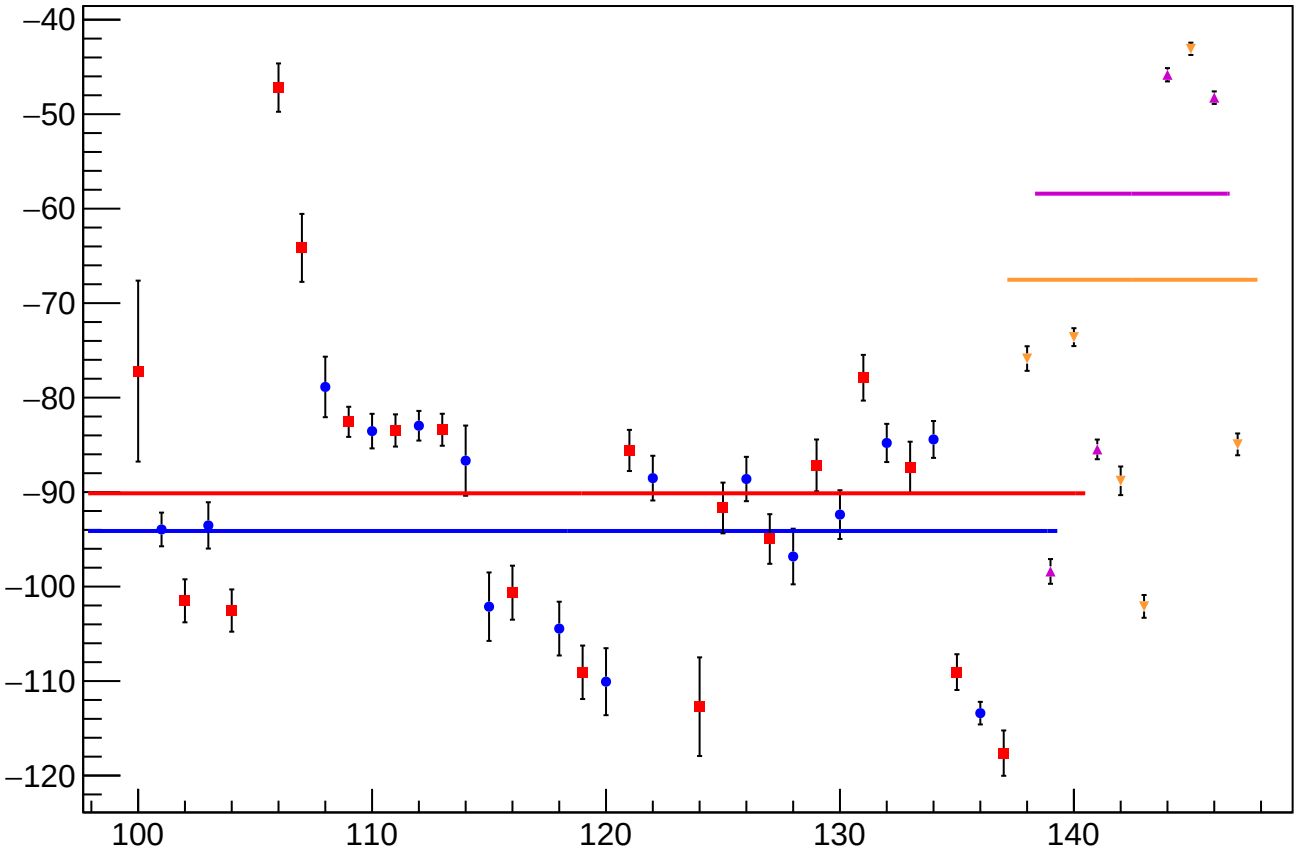
Left: -2.630+/-0.205 χ^2/NDF: 783.7/9

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -3.980+/-0.250 χ^2/NDF:461.3/19

Out: -2.435+/-0.255 χ^2/NDF:712.5/24

All: -3.220+/-0.179 χ^2/NDF: 1192.5/44



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -67.526+/-0.410 χ^2/NDF:2740.1/5

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -58.414+/-0.416 χ^2/NDF:2159.7/3

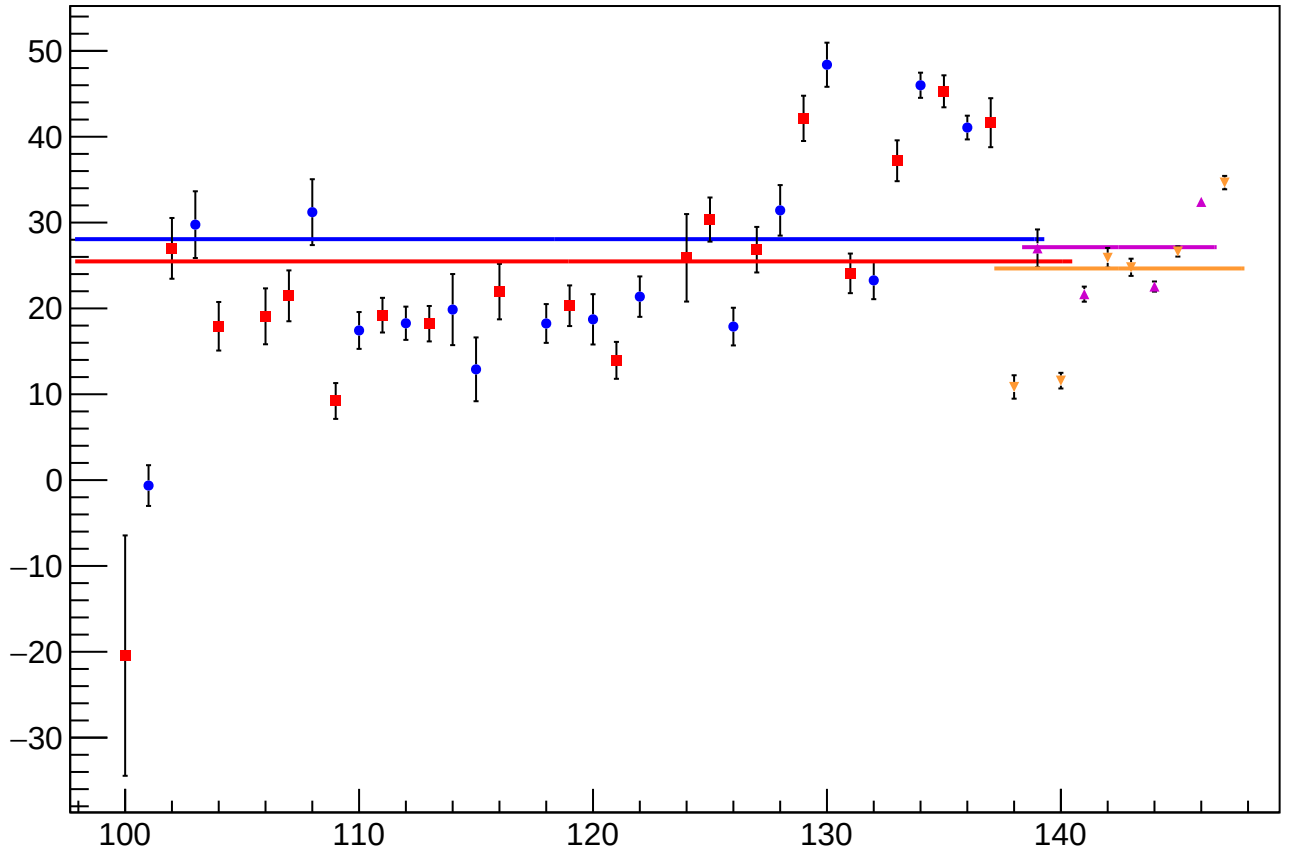
Left: -63.035+/-0.292 χ^2/NDF: 5143.0/9

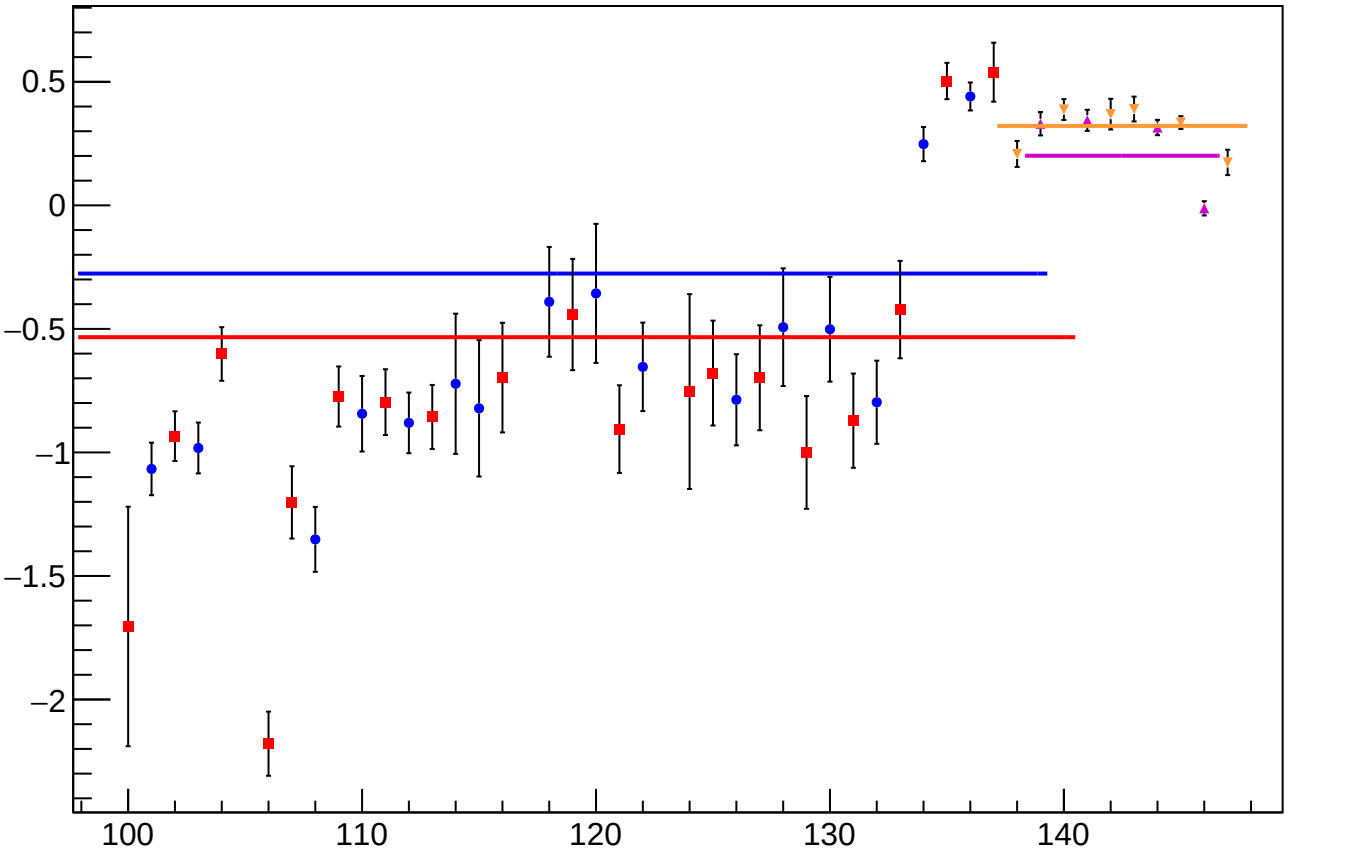
Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -71.807+/-0.329 χ^2/NDF:5388.1/19

Out: -75.739+/-0.327 χ^2/NDF:4632.6/24

All: -73.783+/-0.232 χ^2/NDF: 10092.5/44


reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
Right In: 28.068+/-0.569 χ²/NDF: 583.1/15
Left Out: 24.654+/-0.354 χ²/NDF:484.3/5
Right Out: 25.477+/-0.590 χ²/NDF: 354.6/18
Left In: 27.135+/-0.349 χ²/NDF:206.1/3
Left: 25.912+/-0.249 χ²/NDF: 715.3/9
Right: 26.821+/-0.410 χ²/NDF: 947.7/34
In: 27.390+/-0.297 χ²/NDF:791.1/19
Out: 24.872+/-0.304 χ²/NDF:840.4/24
All: 26.157+/-0.212 χ²/NDF: 1666.6/44



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.321+/-0.017 χ^2/NDF:18.1/5

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.201+/-0.018 χ^2/NDF:86.8/3

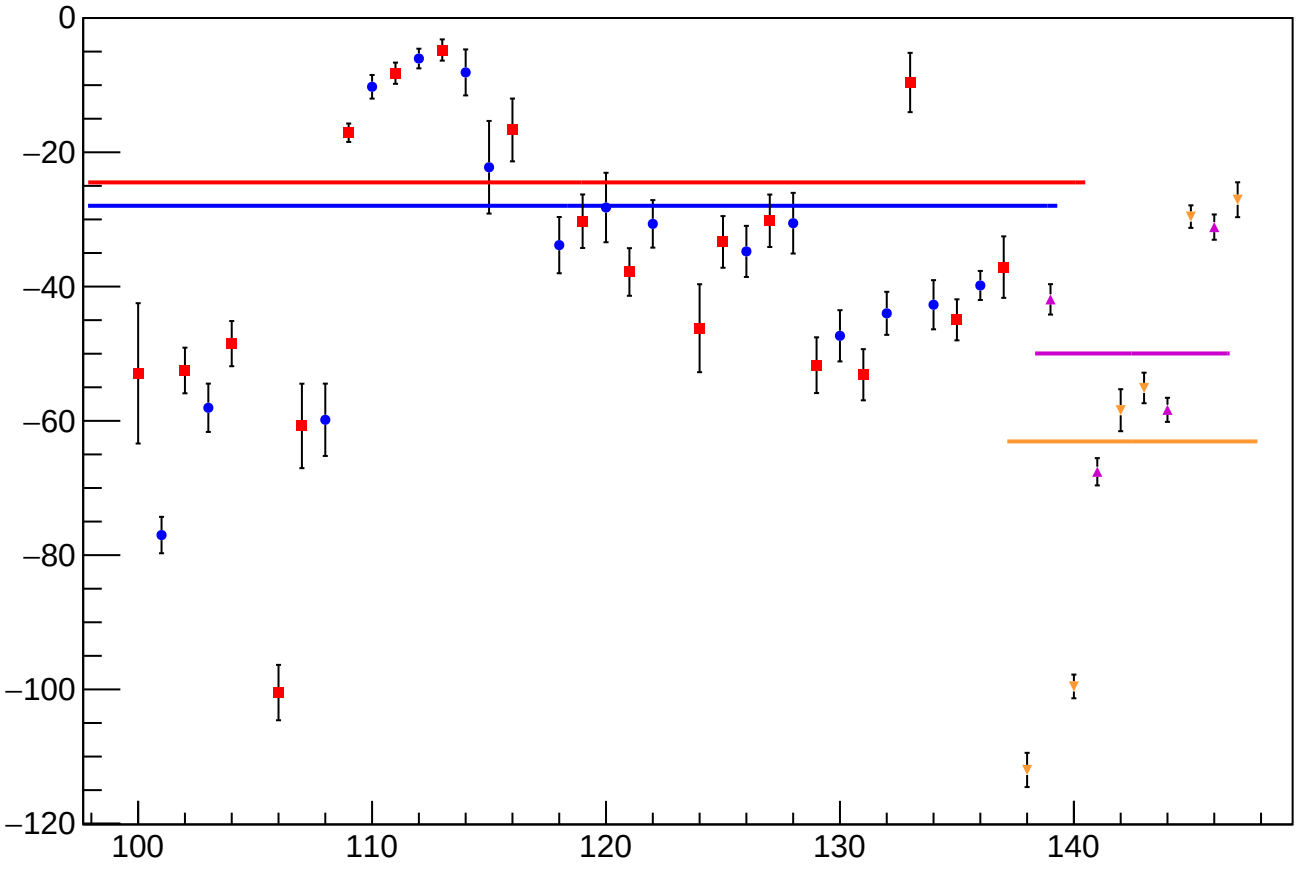
Left: 0.263+/-0.012 χ^2/NDF: 129.2/9

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.083+/-0.015 χ^2/NDF:724.7/19

Out: 0.141+/-0.015 χ^2/NDF:1062.9/24

All: 0.112+/-0.011 χ^2/NDF: 1794.9/44



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -63.064+/-0.886 χ^2/NDF:1399.7/5

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -49.962+/-0.985 χ^2/NDF:209.7/3

Left: -57.203+/-0.659 χ^2/NDF: 1707.2/9

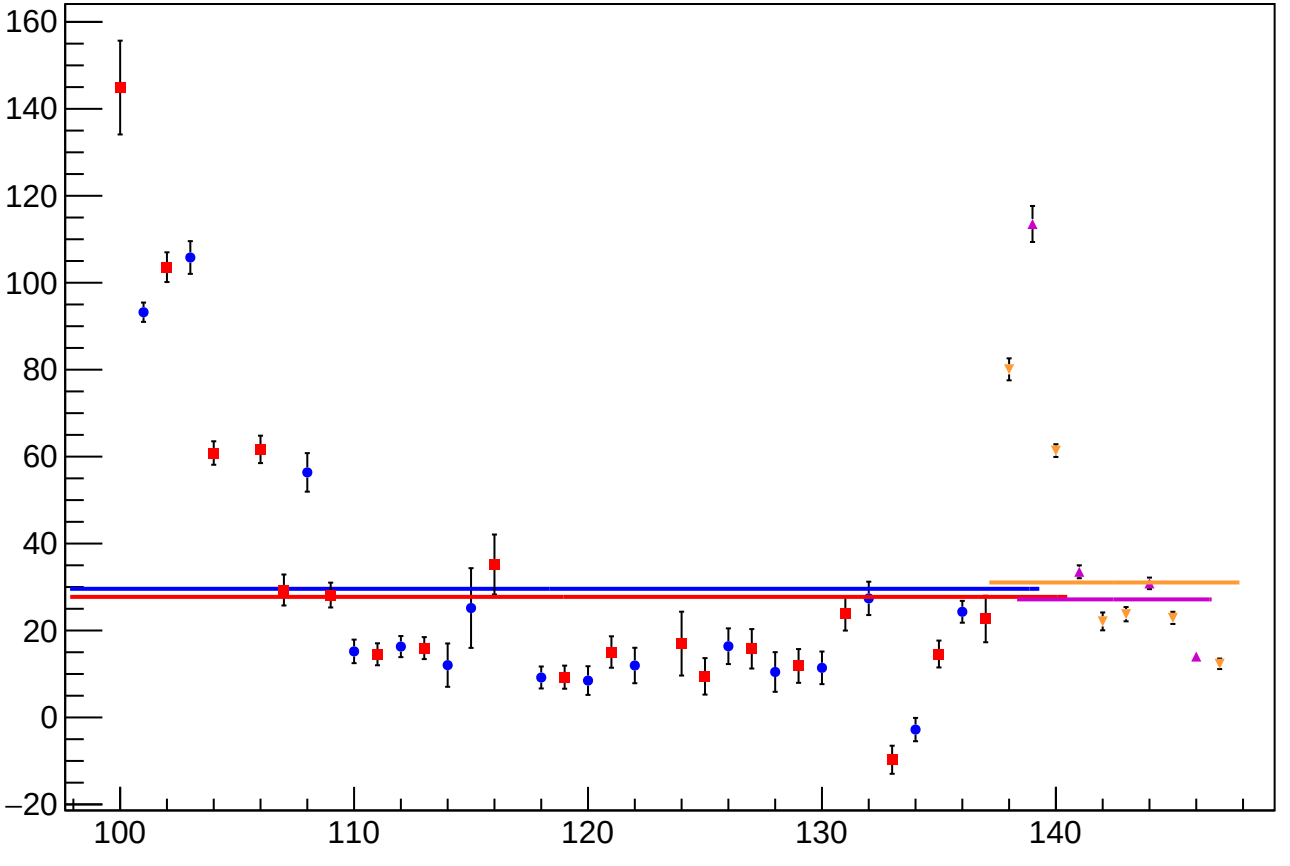
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -35.731+/-0.585 χ^2/NDF:1427.0/19

Out: -38.323+/-0.531 χ^2/NDF:3604.4/24

All: -37.153+/-0.393 χ^2/NDF: 5042.2/44

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 31.050+/-0.642 χ^2/NDF:1117.2/5

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 27.157+/-0.737 χ^2/NDF:592.1/3

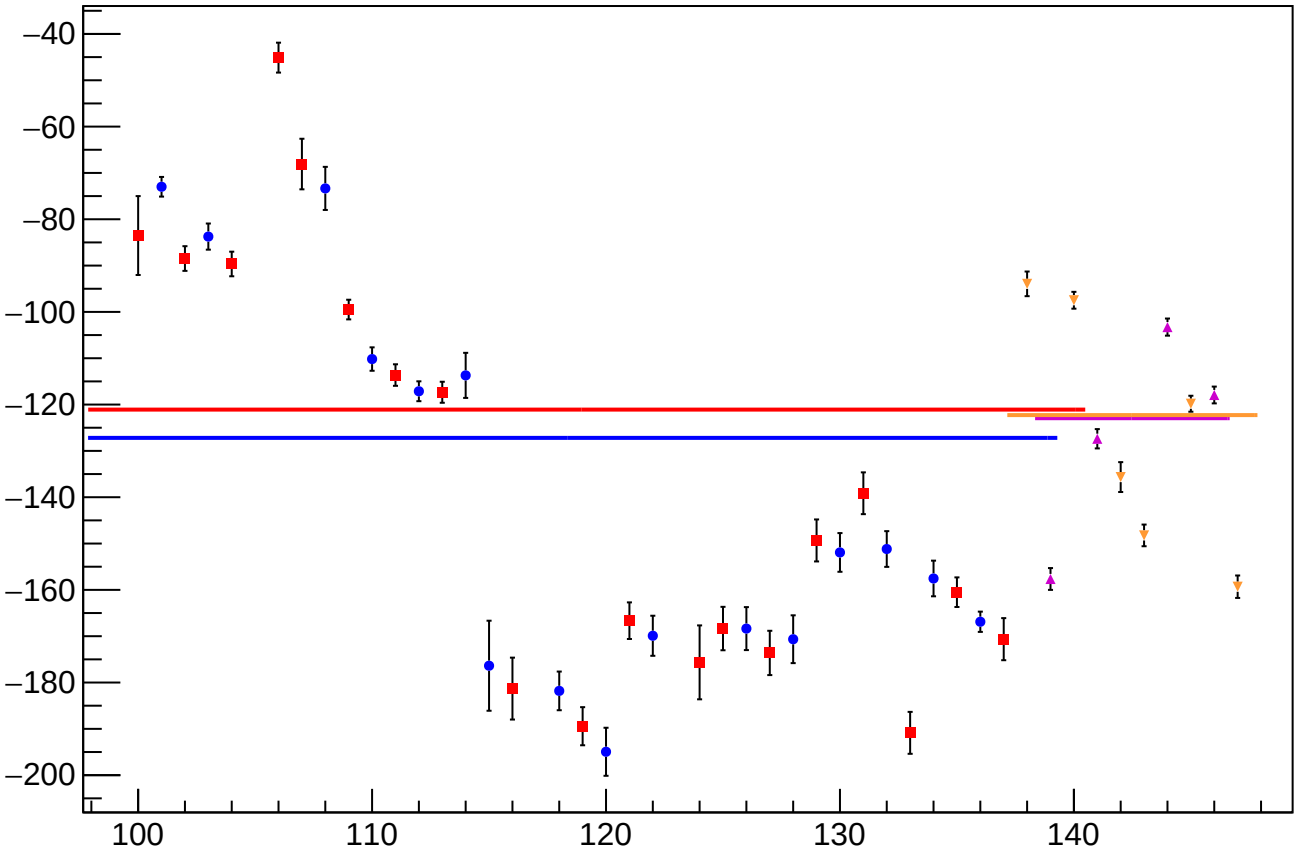
Left: 29.369+/-0.484 χ^2/NDF: 1725.1/9

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 28.265+/-0.544 χ^2/NDF:2262.7/19

Out: 29.745+/-0.500 χ^2/NDF:2312.7/24

All: 29.067+/-0.368 χ^2/NDF: 4579.5/44



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -122.273+/-0.901 χ^2/NDF:676.0/5

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -122.944+/-0.996 χ^2/NDF:342.7/3

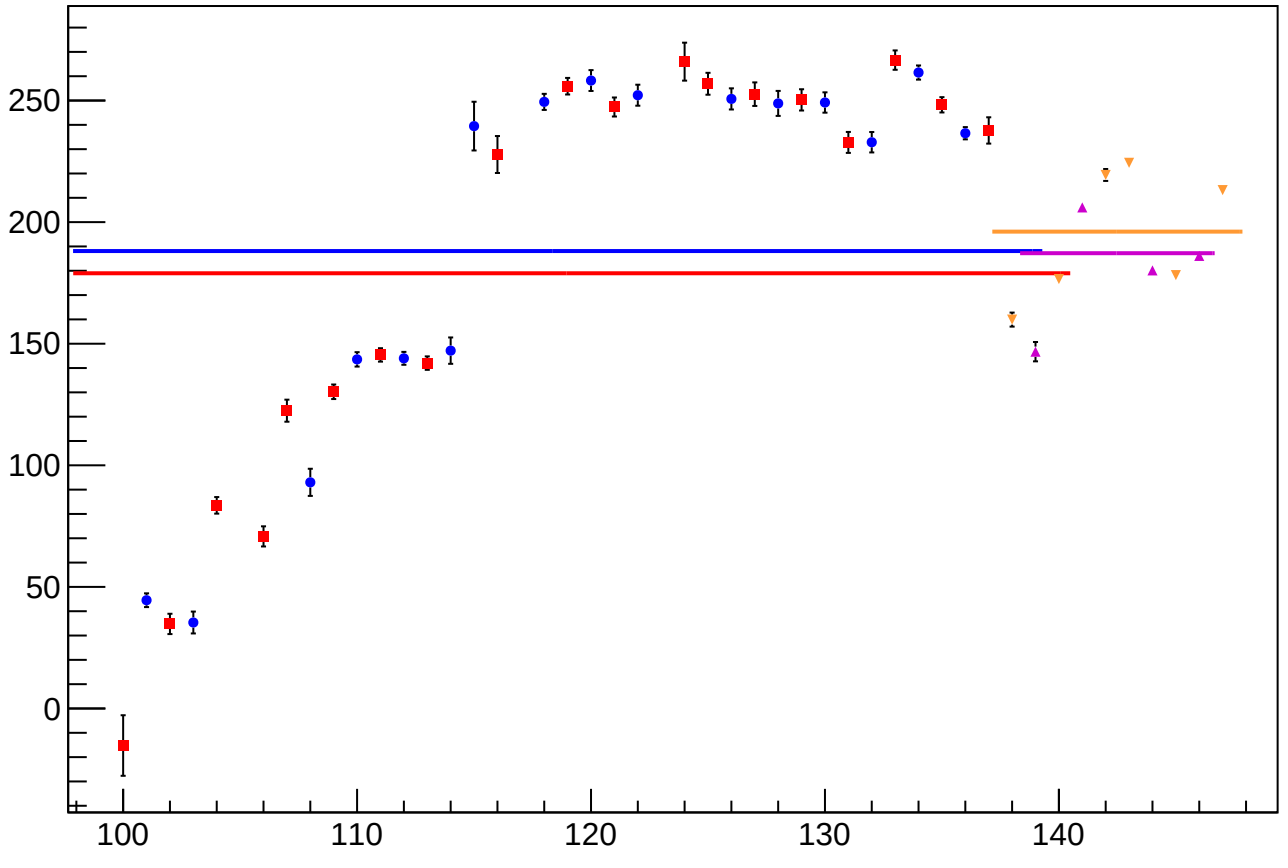
Left: -122.575+/-0.668 χ^2/NDF: 1018.9/9

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -125.452+/-0.637 χ^2/NDF:2531.6/19

Out: -121.607+/-0.597 χ^2/NDF:3074.3/24

All: -123.405+/-0.436 χ^2/NDF: 5625.2/44



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 196.095+/-0.783 χ^2/NDF:813.5/5

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 187.224+/-0.879 χ^2/NDF:238.8/3

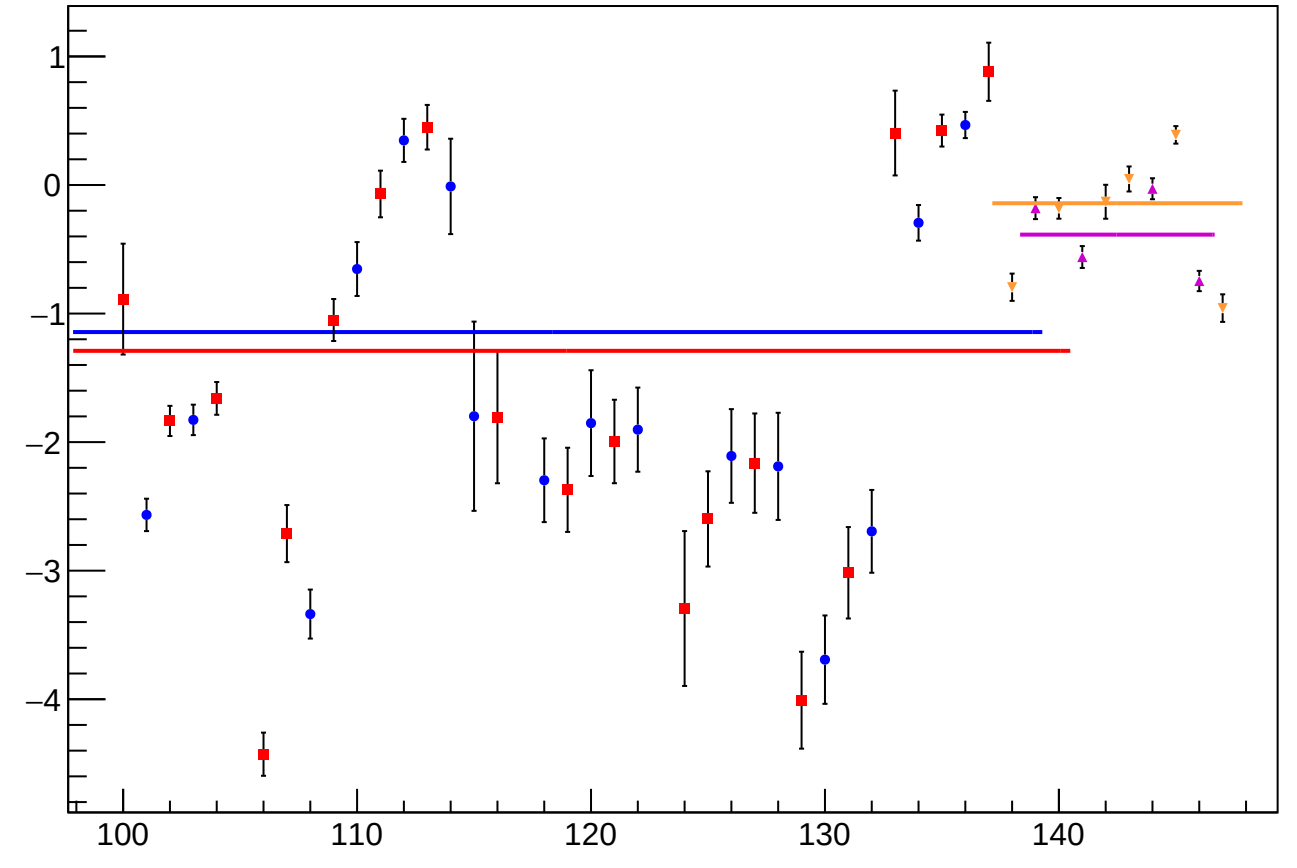
Left: 192.170+/-0.584 χ^2/NDF: 1109.1/9

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 187.646+/-0.635 χ^2/NDF:7357.9/19

Out: 188.795+/-0.593 χ^2/NDF:7686.4/24

All: 188.260+/-0.433 χ^2/NDF: 15046.0/44



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.142+/-0.038 χ^2/NDF:160.7/5

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.386+/-0.041 χ^2/NDF:50.1/3

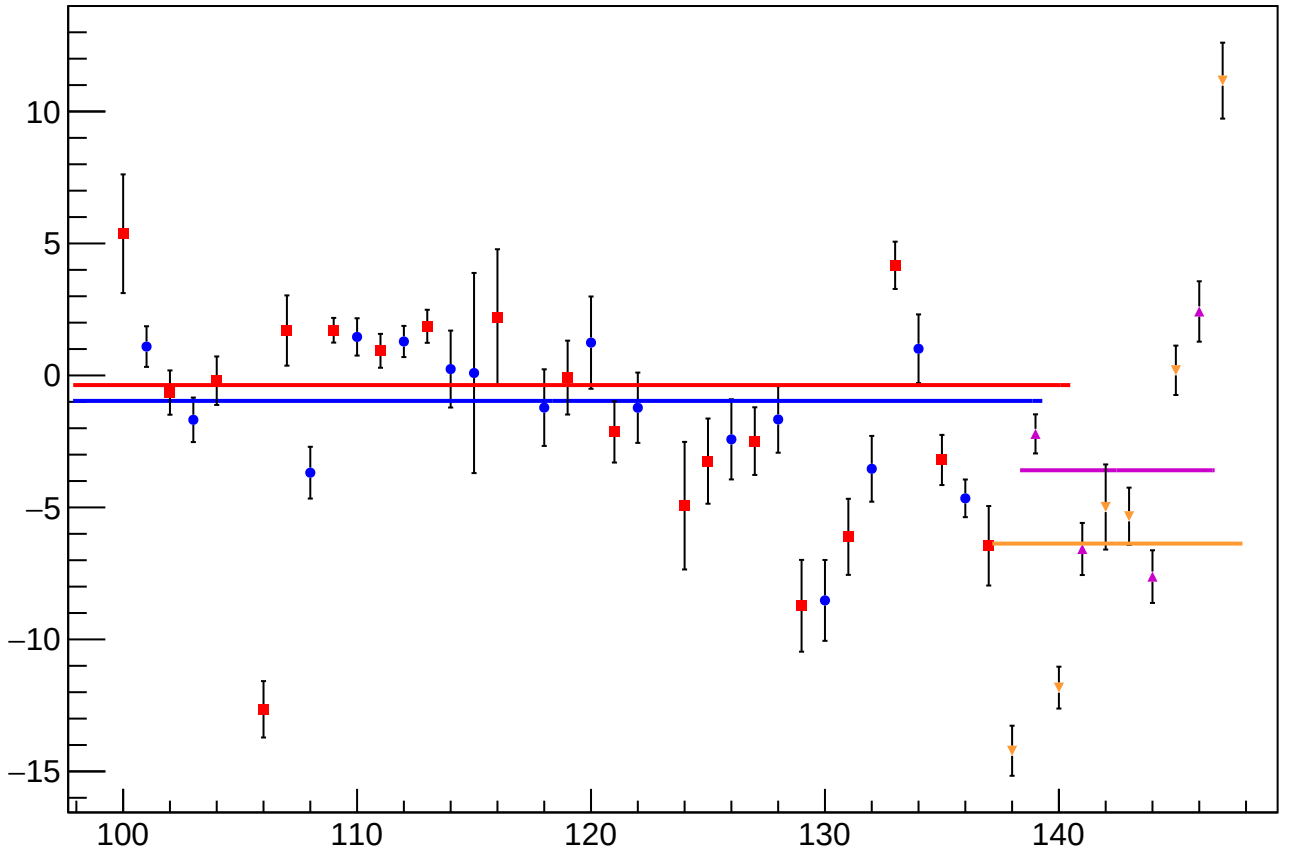
Left: -0.252+/-0.028 χ^2/NDF: 229.9/9

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.708+/-0.031 χ^2/NDF:980.7/19

Out: -0.584+/-0.029 χ^2/NDF:1518.8/24

All: -0.642+/-0.021 χ^2/NDF: 2507.8/44



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -6.370+/-0.424 χ^2/NDF:315.3/5

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -3.592+/-0.465 χ^2/NDF:56.6/3

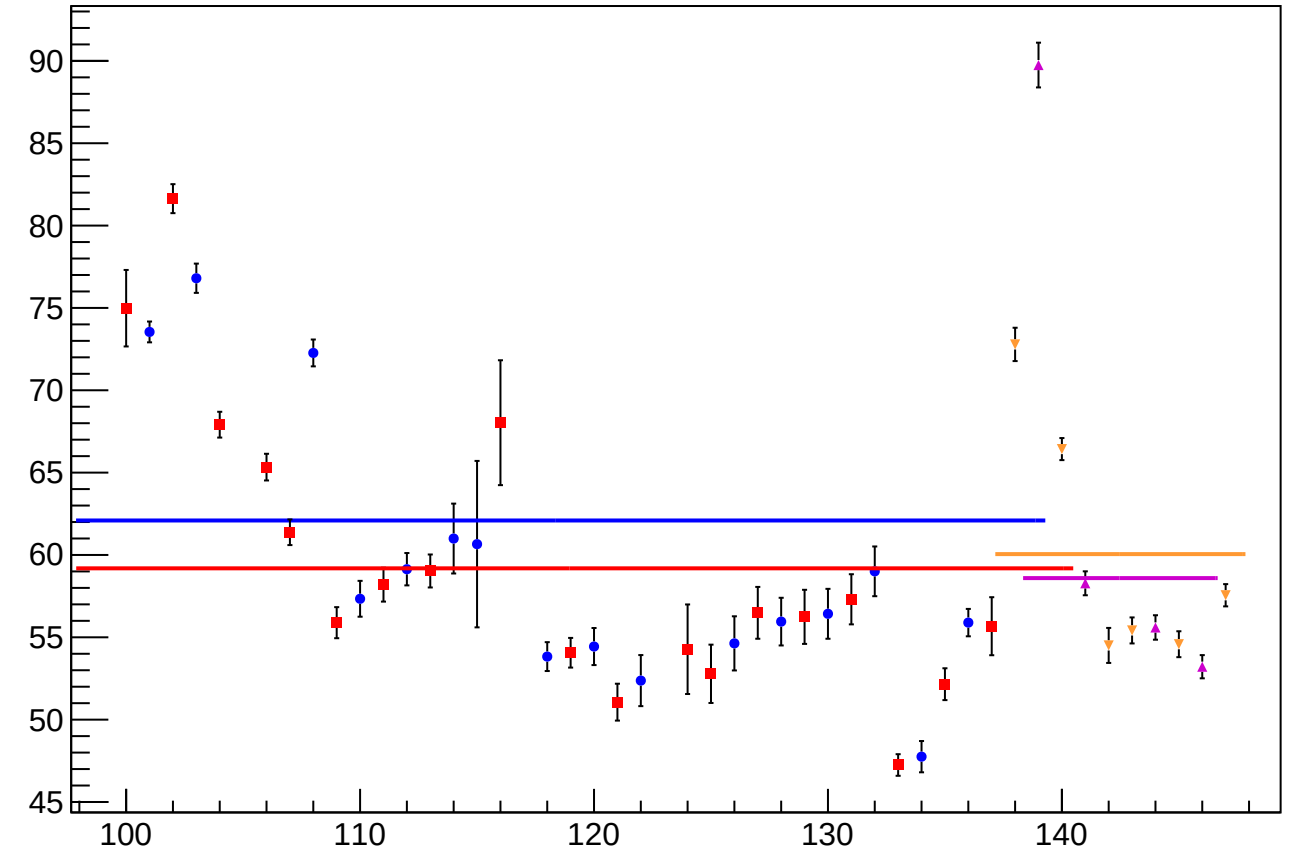
Left: -5.110+/-0.313 χ^2/NDF: 391.3/9

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.564+/-0.222 χ^2/NDF:184.3/19

Out: -1.673+/-0.198 χ^2/NDF:752.7/24

All: -1.625+/-0.148 χ^2/NDF: 937.2/44



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 60.052+/-0.324 χ^2/NDF:372.7/5

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 58.595+/-0.400 χ^2/NDF:600.3/3

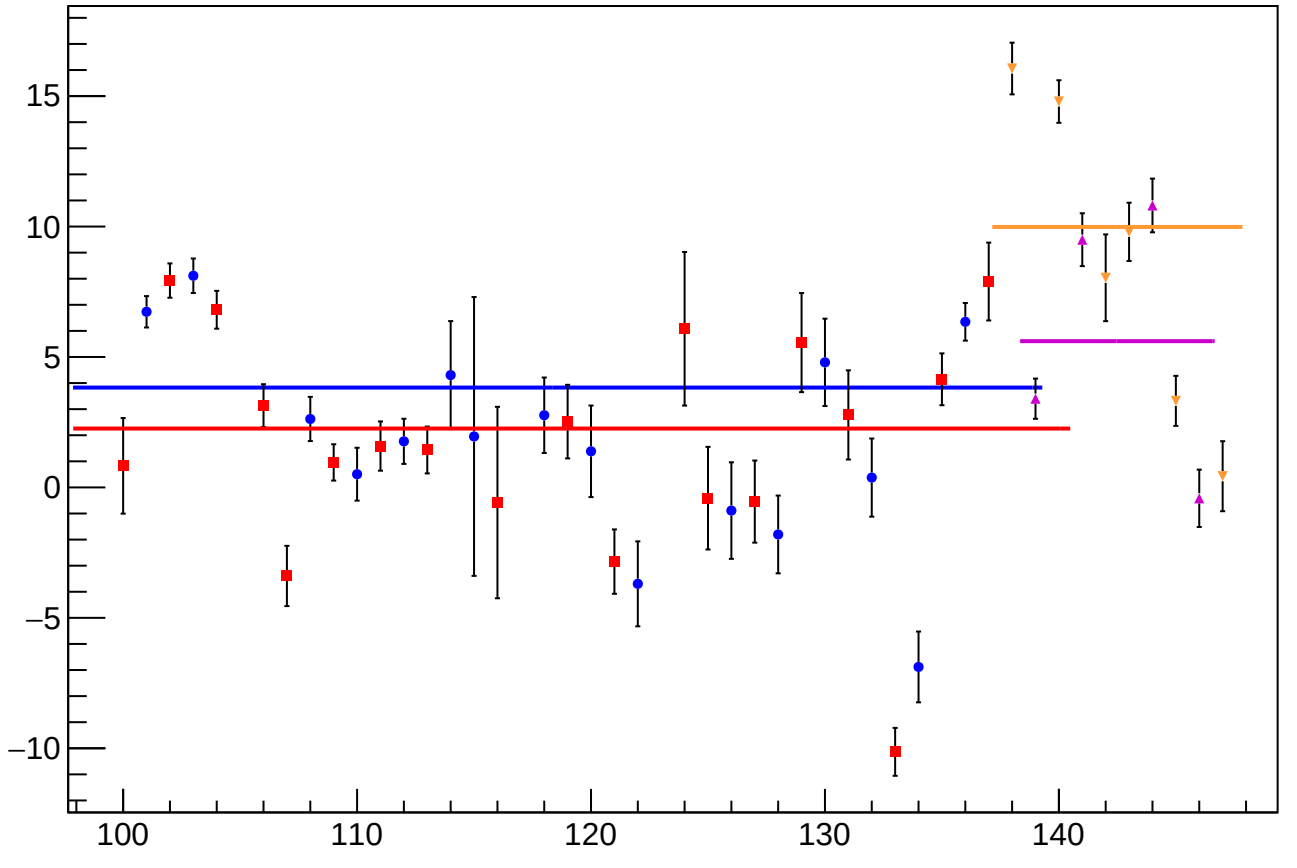
Left: 59.473+/-0.252 χ^2/NDF: 981.0/9

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 61.023+/-0.221 χ^2/NDF:1954.8/19

Out: 59.500+/-0.195 χ^2/NDF:1779.4/24

All: 60.166+/-0.146 χ^2/NDF: 3760.9/44



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 9.984+/-0.433 χ^2/NDF:172.7/5

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 5.607+/-0.475 χ^2/NDF:78.6/3

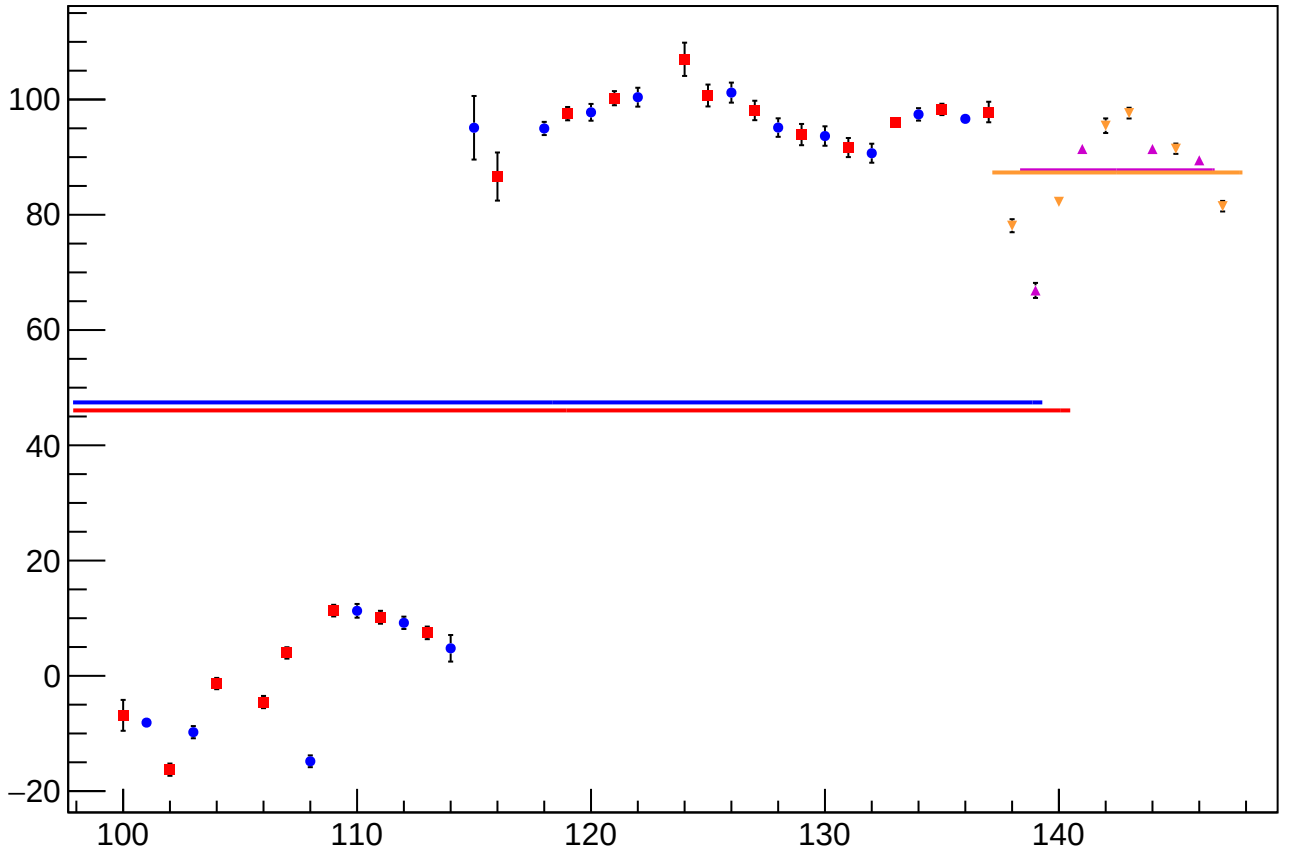
Left: 7.995+/-0.320 χ^2/NDF: 297.6/9

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 4.251+/-0.232 χ^2/NDF:297.9/19

Out: 4.146+/-0.214 χ^2/NDF:784.9/24

All: 4.194+/-0.157 χ^2/NDF: 1082.9/44



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 87.339+/-0.391 χ^2/NDF:332.0/5

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 87.712+/-0.466 χ^2/NDF:295.5/3

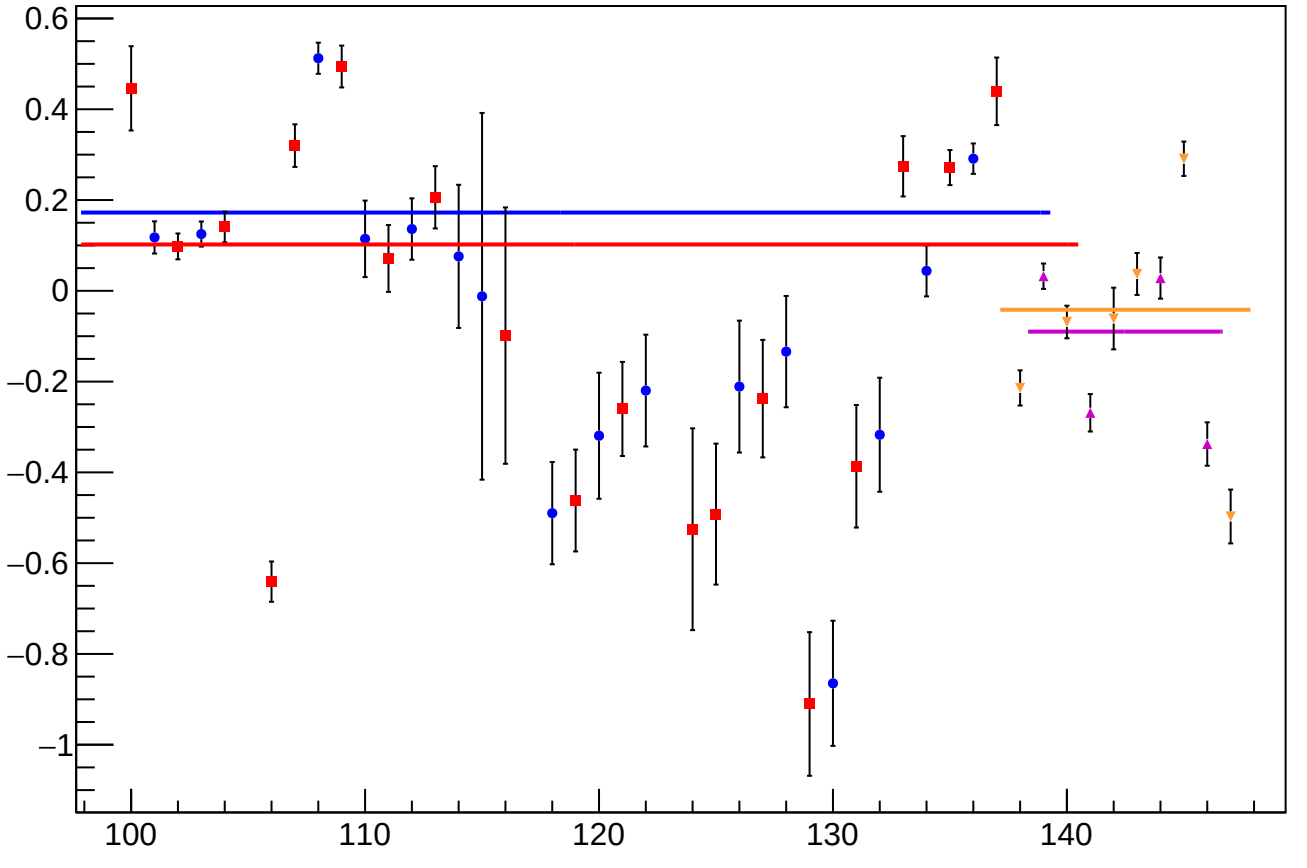
Left: 87.492+/-0.299 χ^2/NDF: 627.9/9

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 59.681+/-0.257 χ^2/NDF:32375.2/19

Out: 60.352+/-0.230 χ^2/NDF:36526.8/24

All: 60.054+/-0.171 χ^2/NDF: 68905.8/44



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.042+/-0.018 χ^2/NDF:159.4/5

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.090+/-0.019 χ^2/NDF:71.5/3

Left: -0.065+/-0.013 χ^2/NDF: 234.3/9

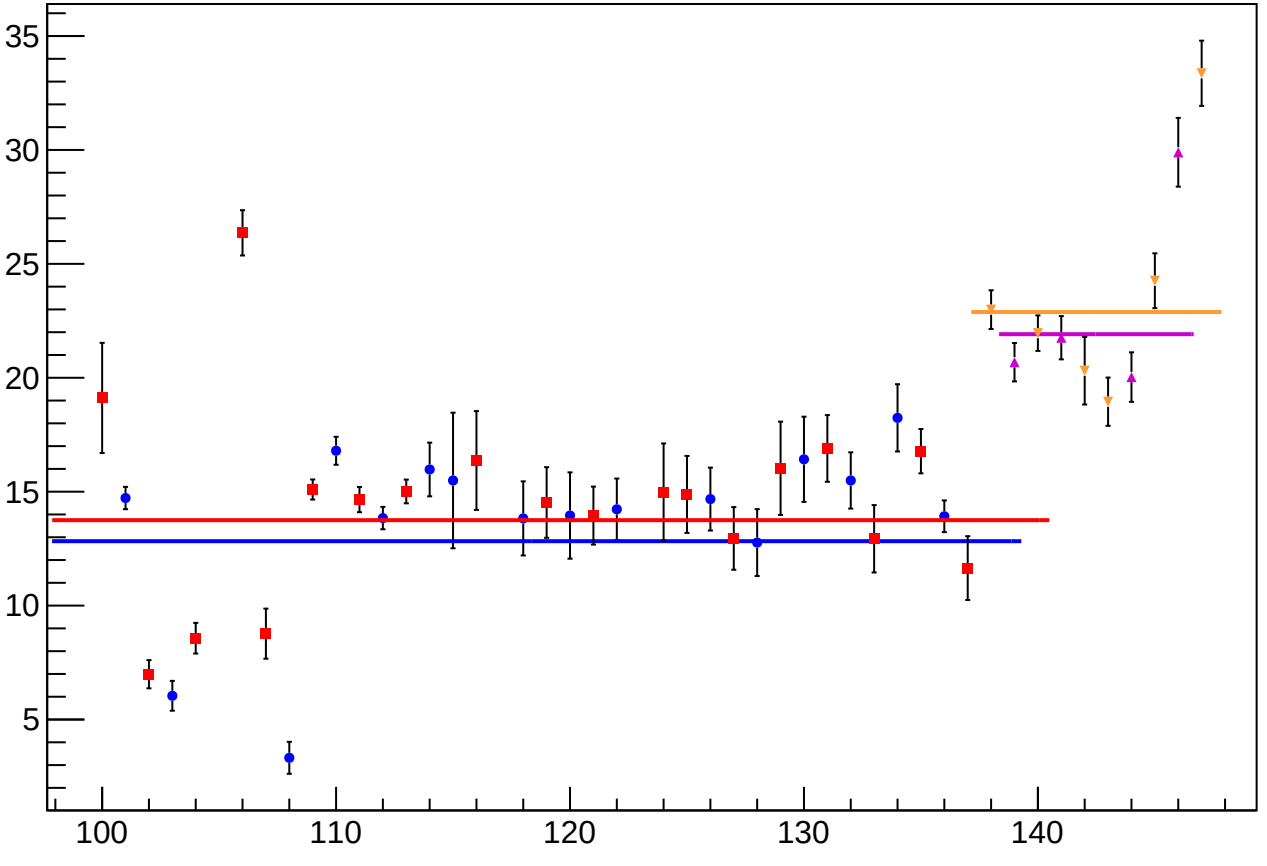
Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.078+/-0.011 χ^2/NDF:459.6/19

Out: 0.050+/-0.011 χ^2/NDF:759.3/24

All: 0.064+/-0.008 χ^2/NDF: 1222.1/44

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.886+/-0.424 χ^2/NDF:73.2/5

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.914+/-0.513 χ^2/NDF:33.1/3

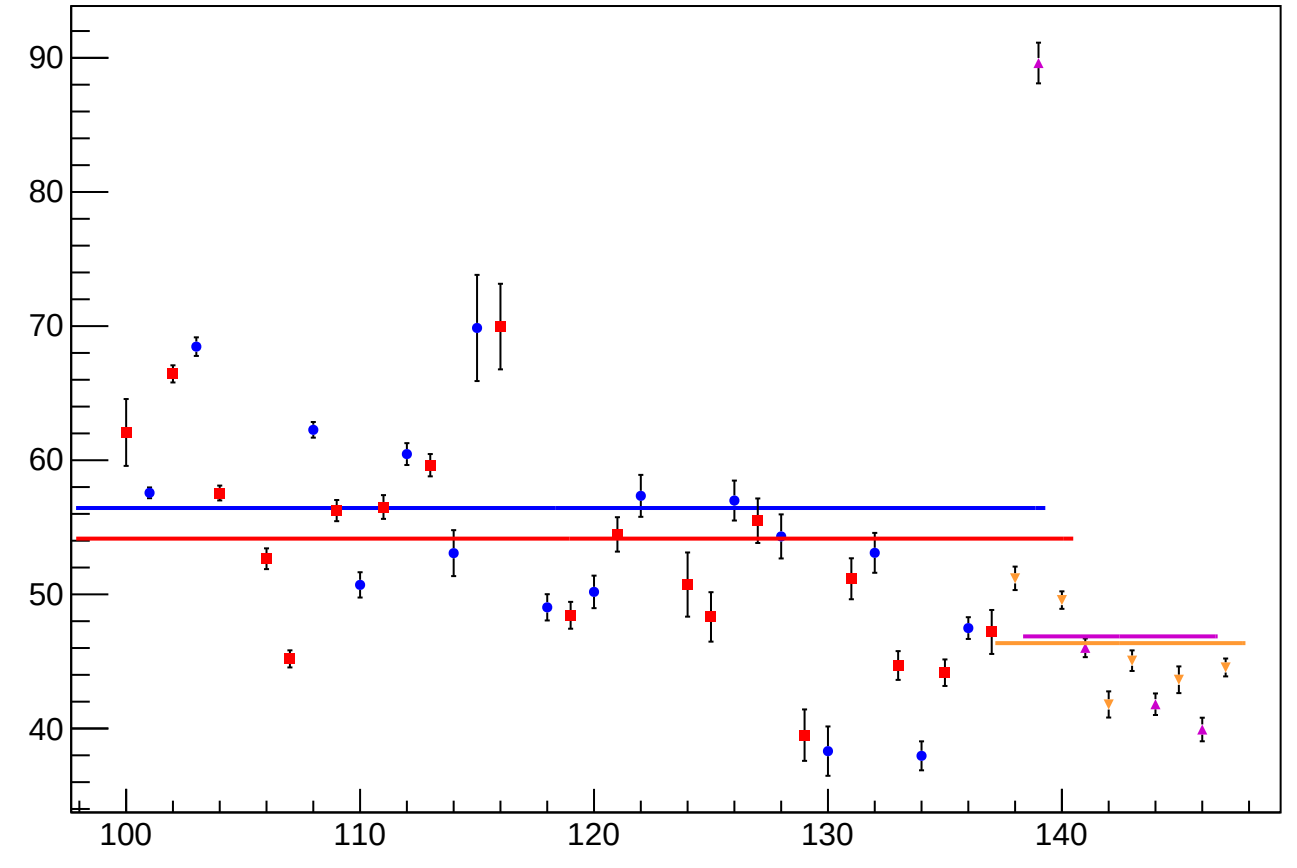
Left: 22.491+/-0.327 χ^2/NDF: 108.5/9

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 14.176+/-0.198 χ^2/NDF:688.7/19

Out: 15.466+/-0.184 χ^2/NDF:853.4/24

All: 14.867+/-0.135 χ^2/NDF: 1564.9/44



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.364+/-0.322 χ^2/NDF:94.5/5

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 46.867+/-0.433 χ^2/NDF:897.5/3

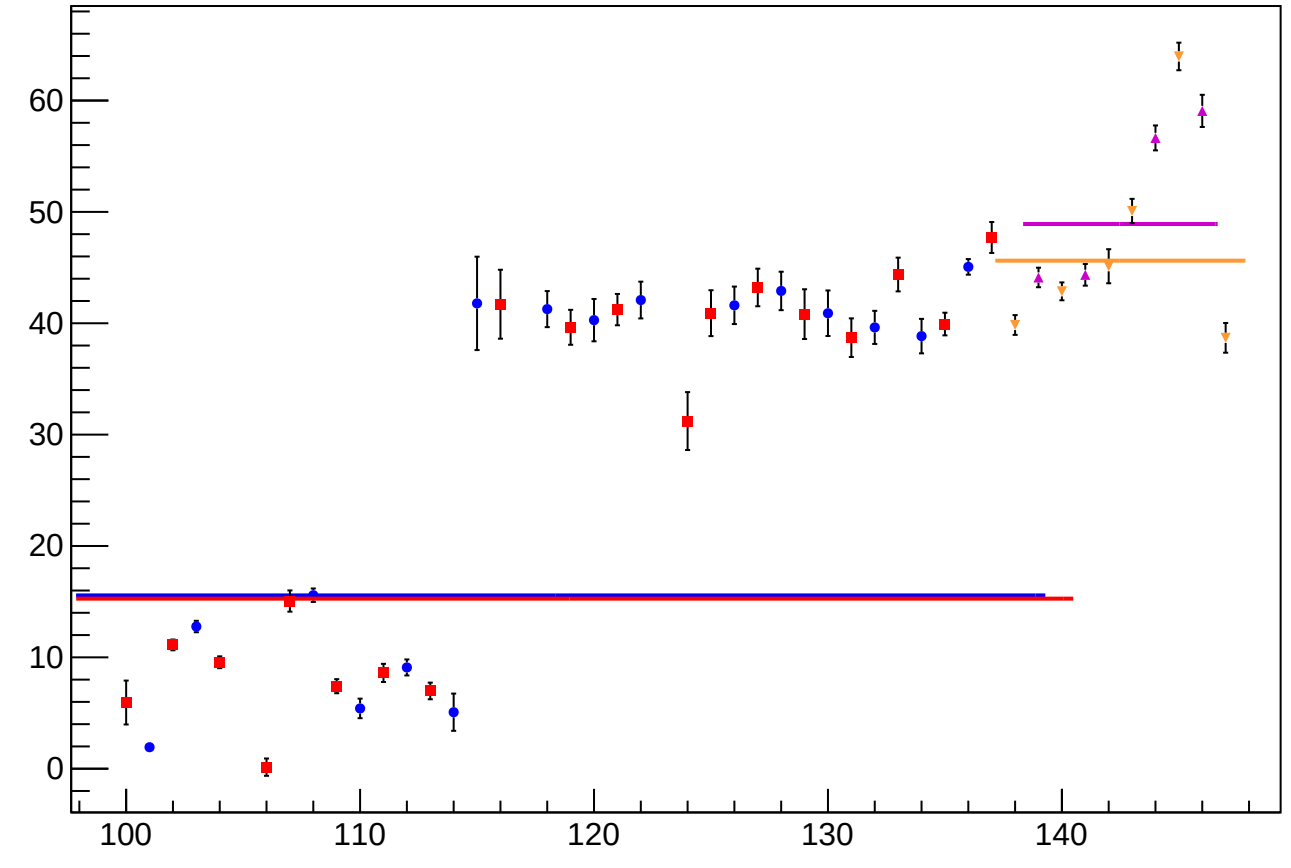
Left: 46.543+/-0.258 χ^2/NDF: 992.8/9

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 54.447+/-0.197 χ^2/NDF:2372.8/19

Out: 51.603+/-0.184 χ^2/NDF:1495.7/24

All: 52.926+/-0.135 χ^2/NDF: 3979.5/44



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 45.621+/-0.434 χ^2/NDF:317.2/5

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 48.913+/-0.525 χ^2/NDF:149.0/3

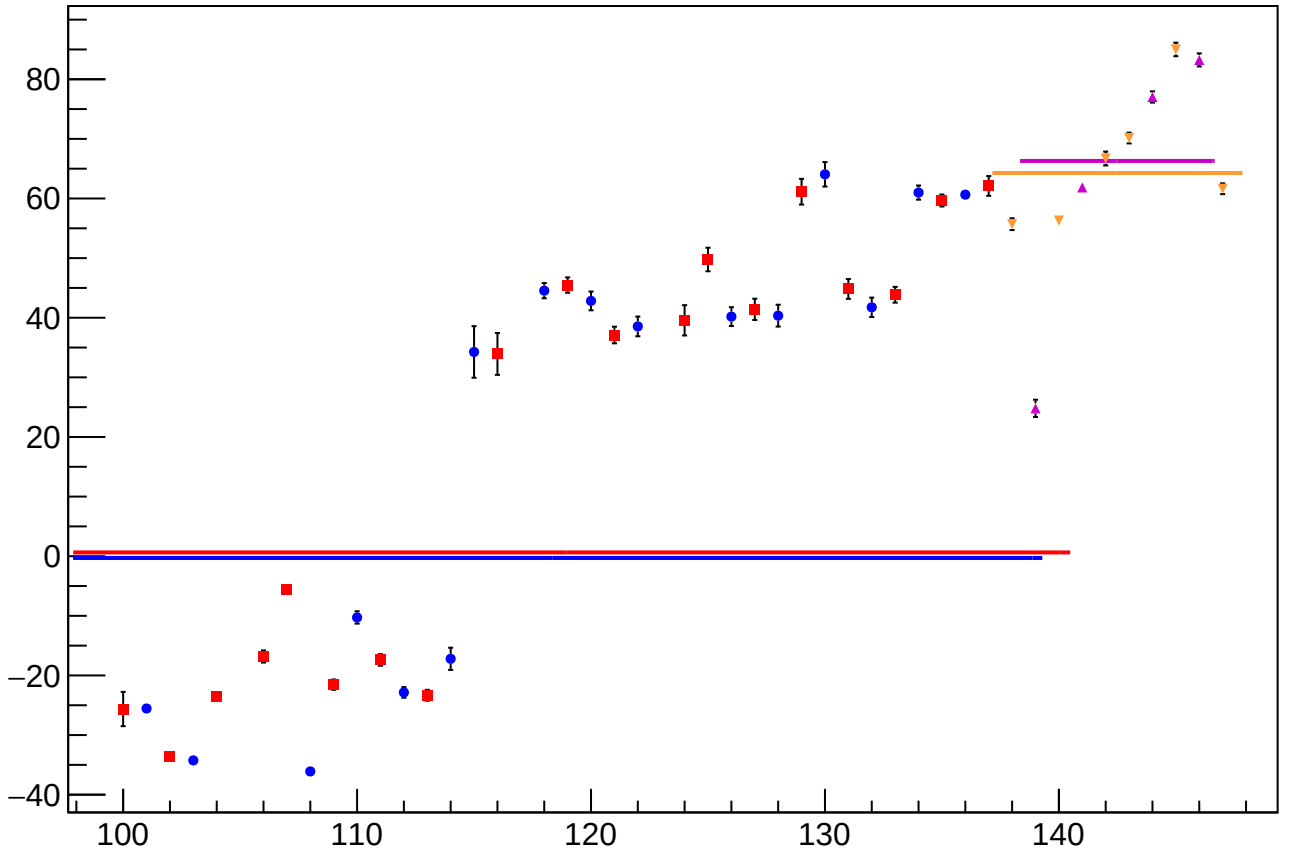
Left: 46.959+/-0.334 χ^2/NDF: 489.6/9

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 20.316+/-0.198 χ^2/NDF:8788.2/19

Out: 21.435+/-0.196 χ^2/NDF:8085.6/24

All: 20.883+/-0.139 χ^2/NDF: 16890.0/44



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.280+/-0.390 χ^2/NDF:566.0/5

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 66.300+/-0.507 χ^2/NDF:1209.7/3

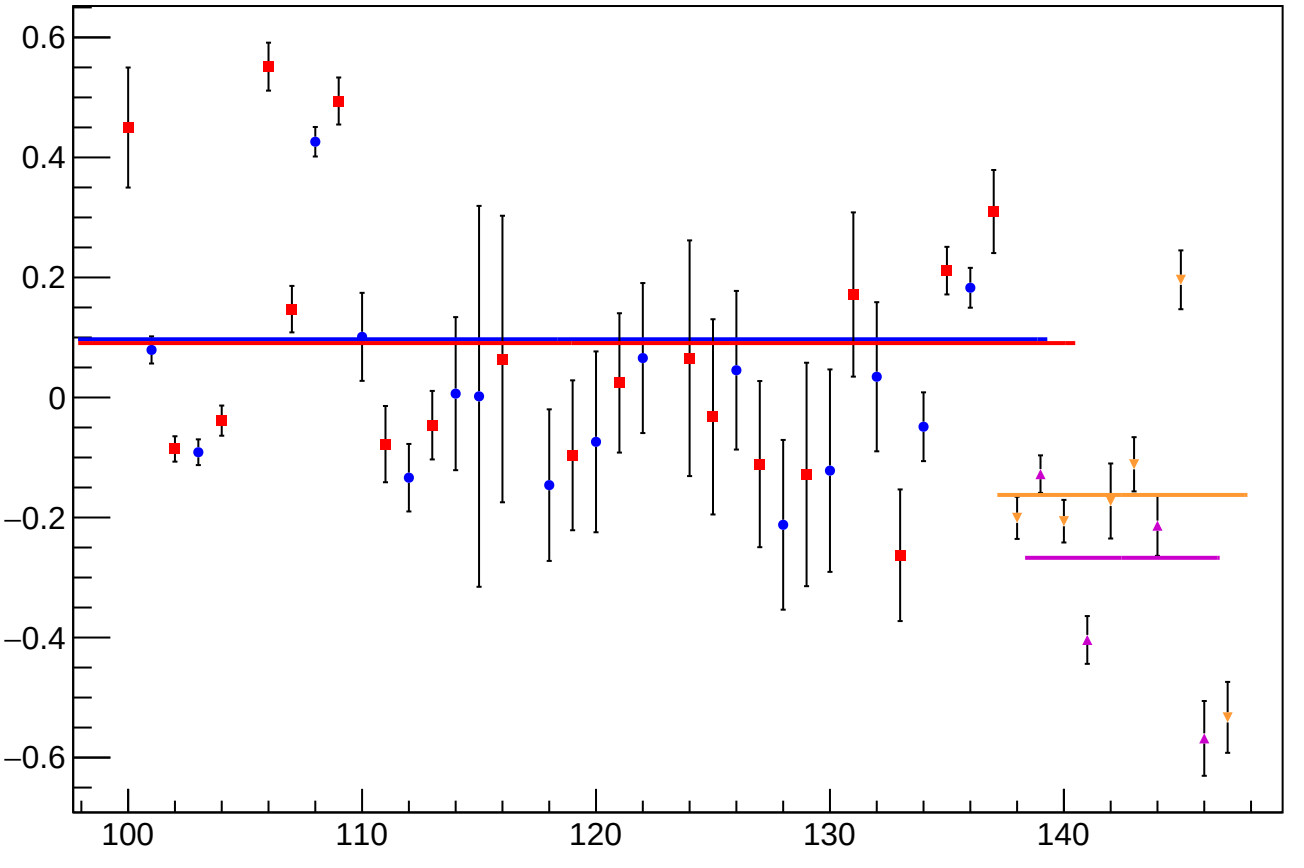
Left: 65.029+/-0.309 χ^2/NDF: 1785.7/9

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

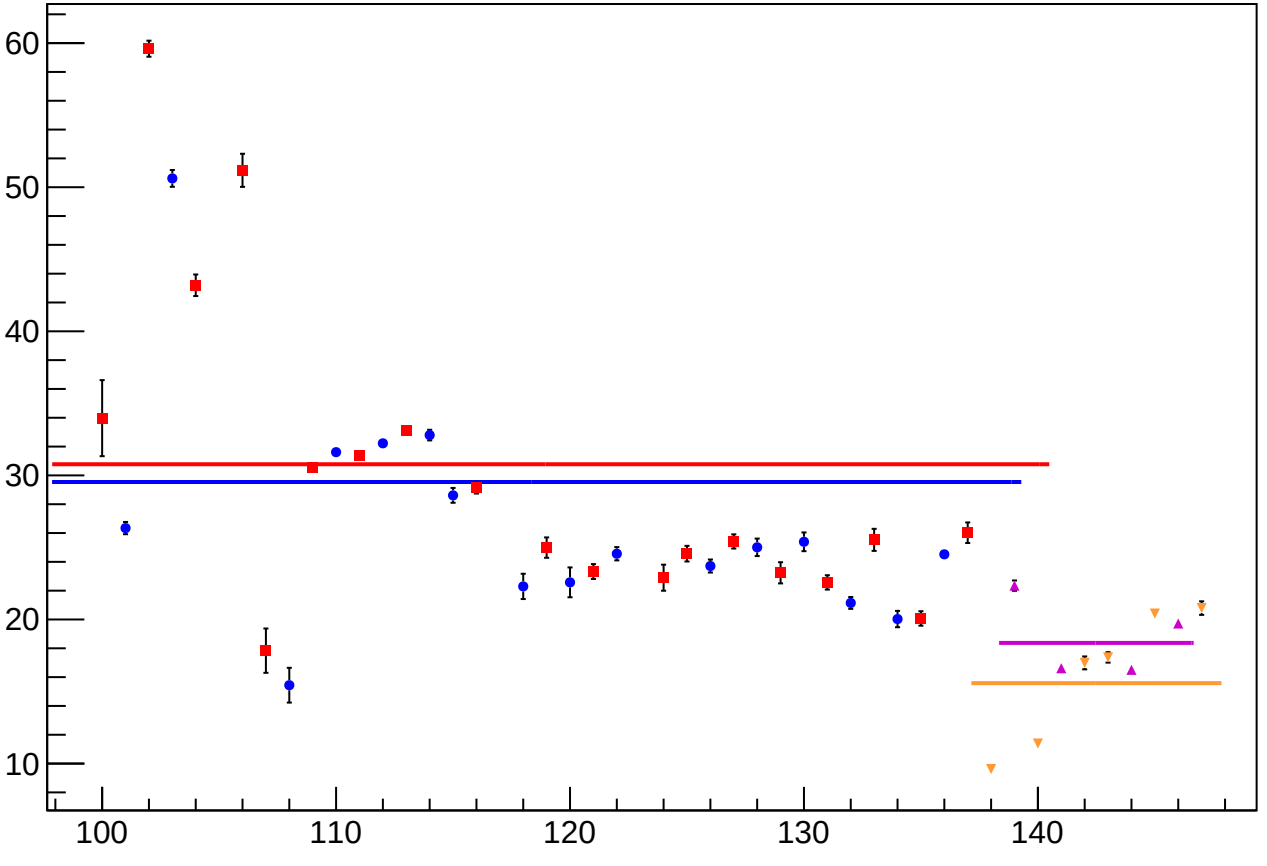
In: 13.679+/-0.232 χ^2/NDF:35861.2/19

Out: 20.624+/-0.218 χ^2/NDF:34904.5/24

All: 17.368+/-0.159 χ^2/NDF: 71240.2/44


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
Right In: 0.097+/-0.011 χ²/NDF: 299.1/15
Left Out: -0.162+/-0.018 χ²/NDF:96.8/5
Right Out: 0.091+/-0.011 χ²/NDF: 399.5/18
Left In: -0.267+/-0.021 χ²/NDF:56.2/3
Left: -0.207+/-0.014 χ²/NDF: 167.4/9
Right: 0.094+/-0.008 χ²/NDF: 698.7/34
In: 0.015+/-0.010 χ²/NDF:592.4/19
Out: 0.019+/-0.010 χ²/NDF:636.2/24
All: 0.017+/-0.007 χ²/NDF: 1228.7/44

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.582+/-0.137 χ^2/NDF:1029.0/5

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 18.374+/-0.159 χ^2/NDF:216.0/3

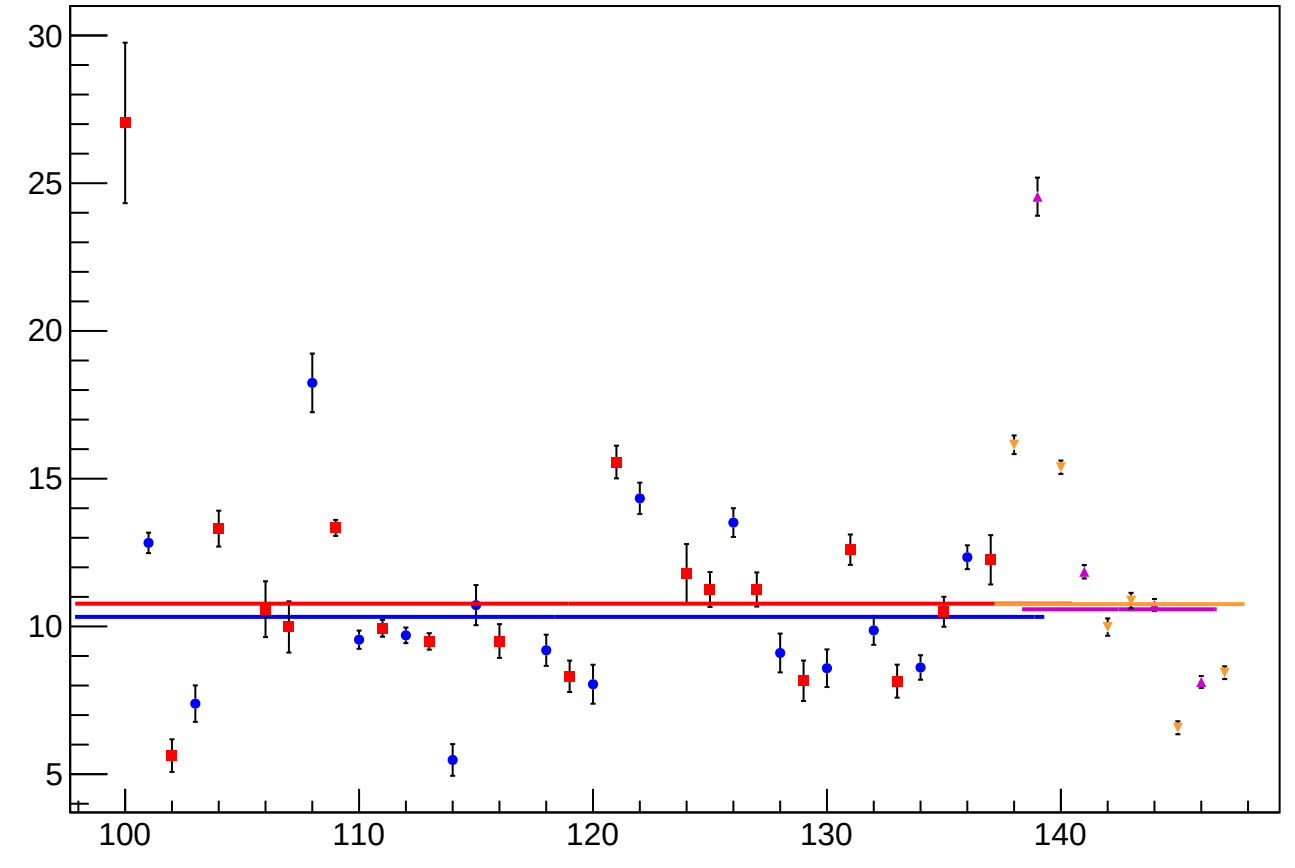
Left: 16.775+/-0.104 χ^2/NDF: 1421.2/9

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 26.749+/-0.080 χ^2/NDF:7276.5/19

Out: 26.920+/-0.069 χ^2/NDF:15220.5/24

All: 26.846+/-0.052 χ^2/NDF: 22499.6/44



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.754+/-0.101 χ^2/NDF:1185.8/5

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.580+/-0.119 χ^2/NDF:650.6/3

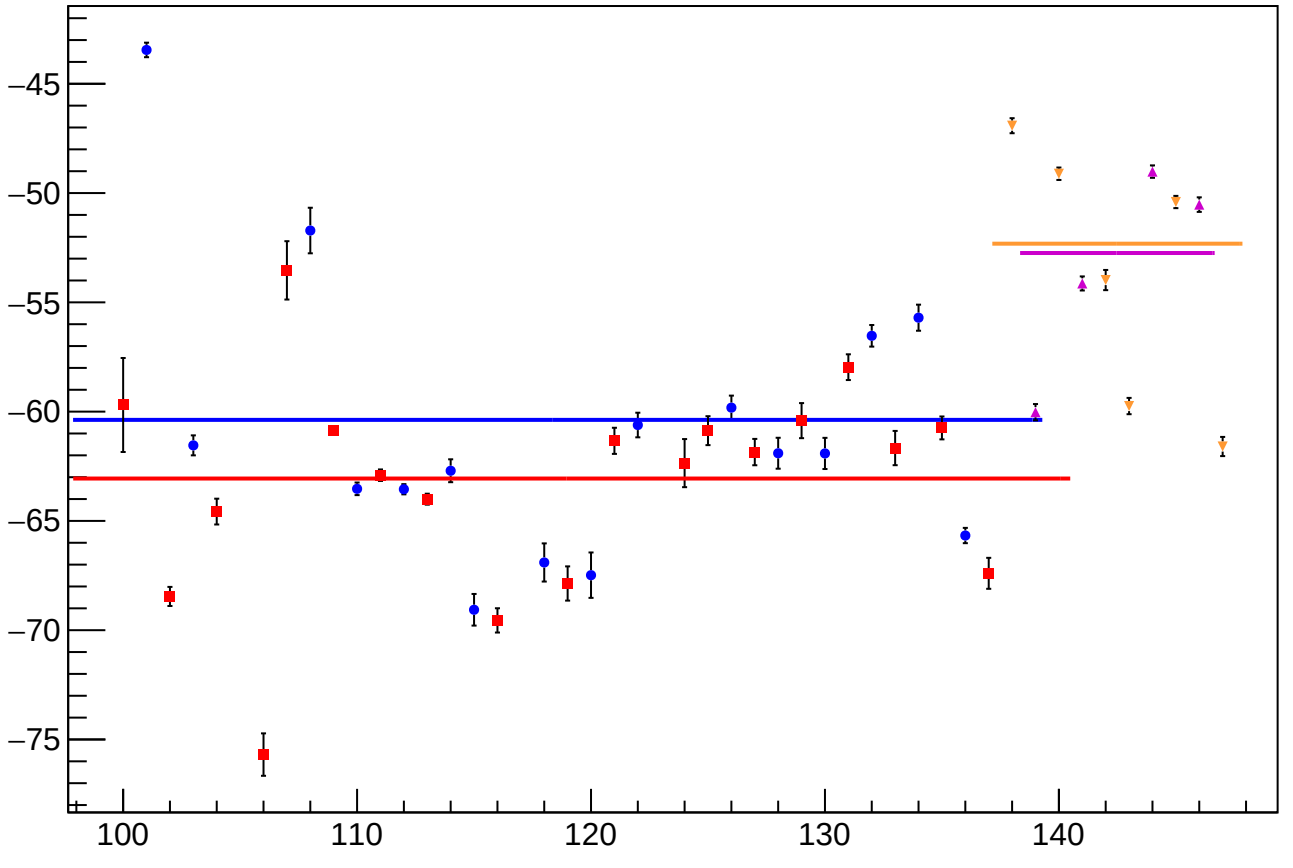
Left: 10.681+/-0.077 χ^2/NDF: 1837.7/9

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.447+/-0.082 χ^2/NDF:1055.7/19

Out: 10.762+/-0.075 χ^2/NDF:1601.6/24

All: 10.618+/-0.056 χ^2/NDF: 2665.3/44



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -52.316+/-0.141 χ^2/NDF:1275.6/5

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -52.743+/-0.162 χ^2/NDF:617.2/3

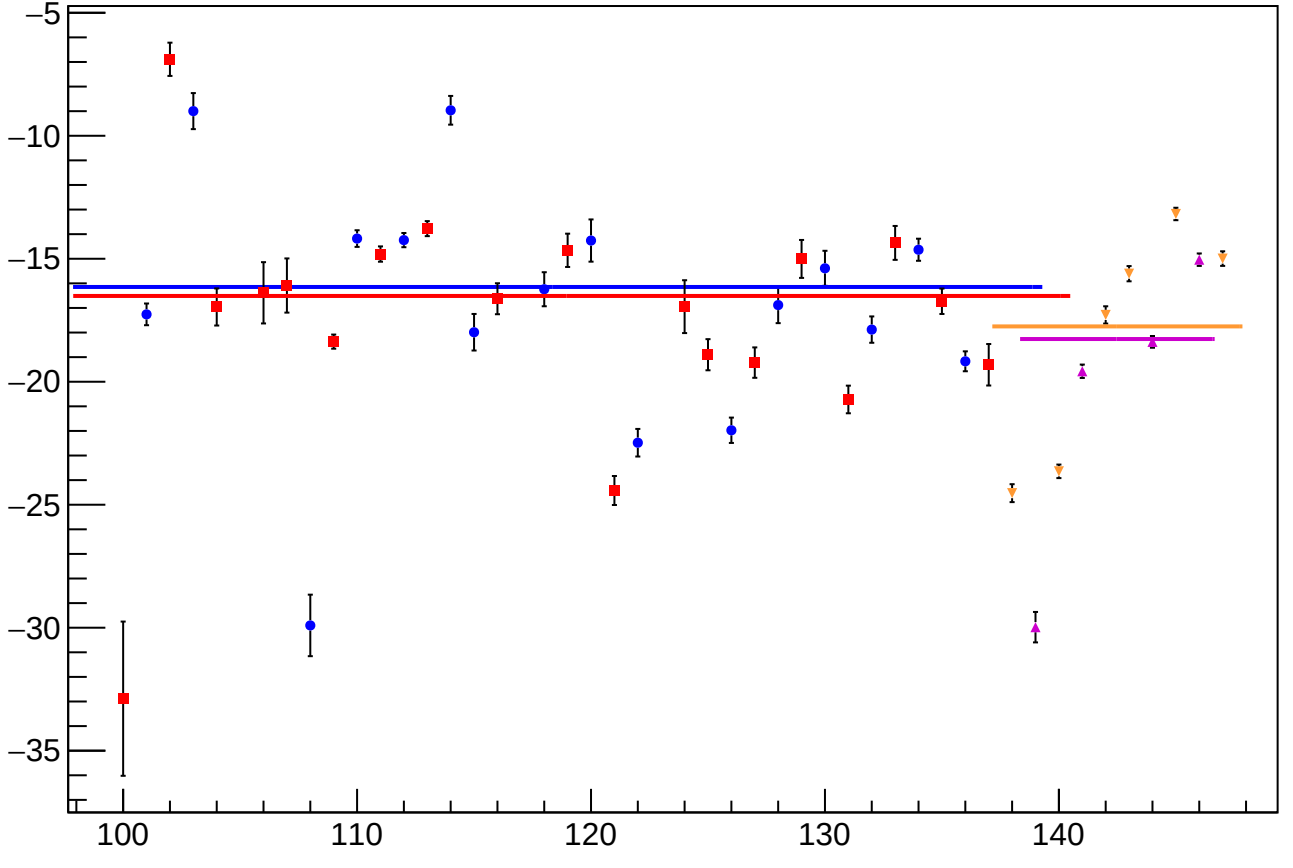
Left: -52.500+/-0.106 χ^2/NDF: 1896.8/9

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.872+/-0.093 χ^2/NDF:5712.4/19

Out: -59.109+/-0.085 χ^2/NDF:5811.3/24

All: -58.542+/-0.063 χ^2/NDF: 11620.3/44



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.751+/-0.123 χ^2/NDF:1268.6/5

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.263+/-0.142 χ^2/NDF:543.6/3

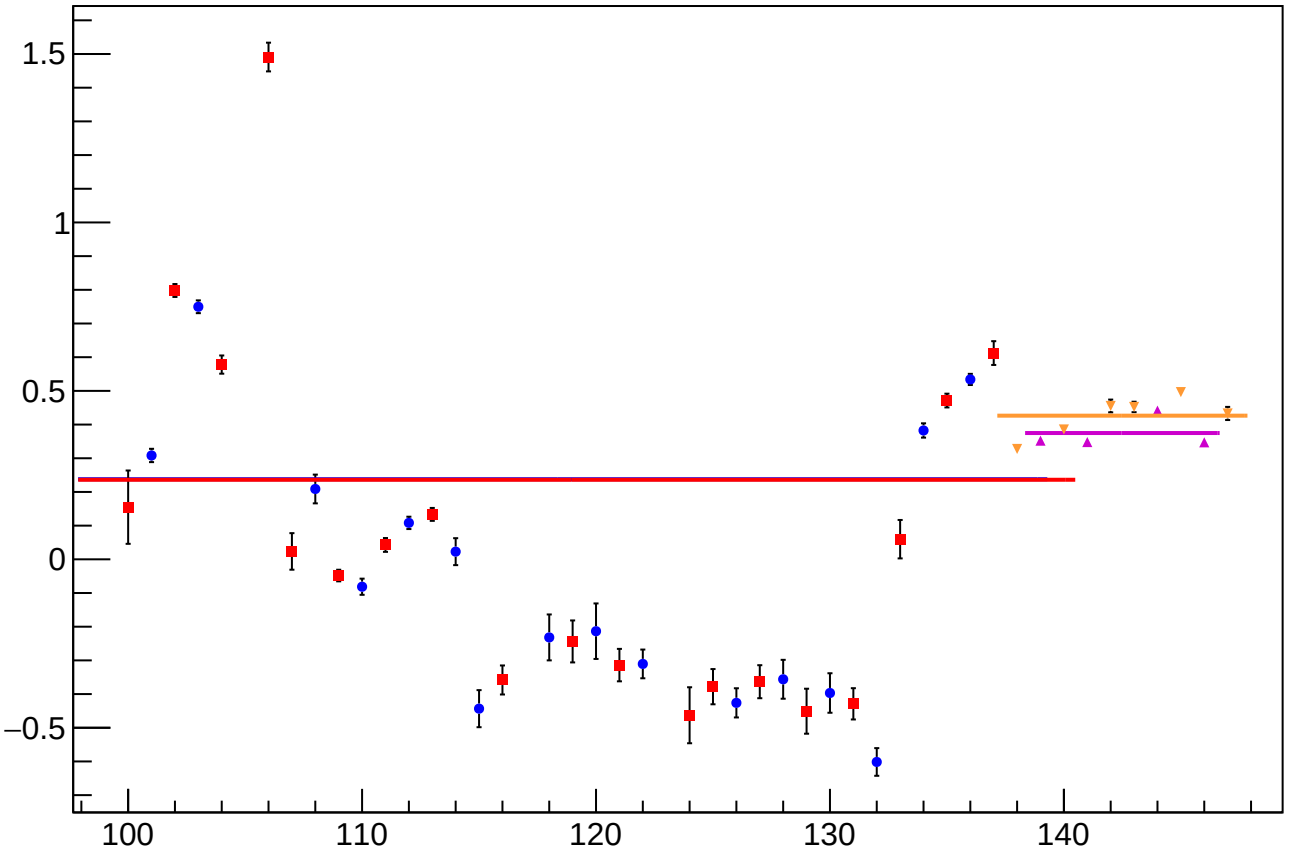
Left: -17.969+/-0.093 χ^2/NDF: 1819.7/9

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.085+/-0.095 χ^2/NDF:1463.5/19

Out: -17.141+/-0.087 χ^2/NDF:2003.4/24

All: -17.115+/-0.064 χ^2/NDF: 3467.1/44



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.426+/-0.006 χ^2/NDF:105.8/5

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.375+/-0.007 χ^2/NDF:38.3/3

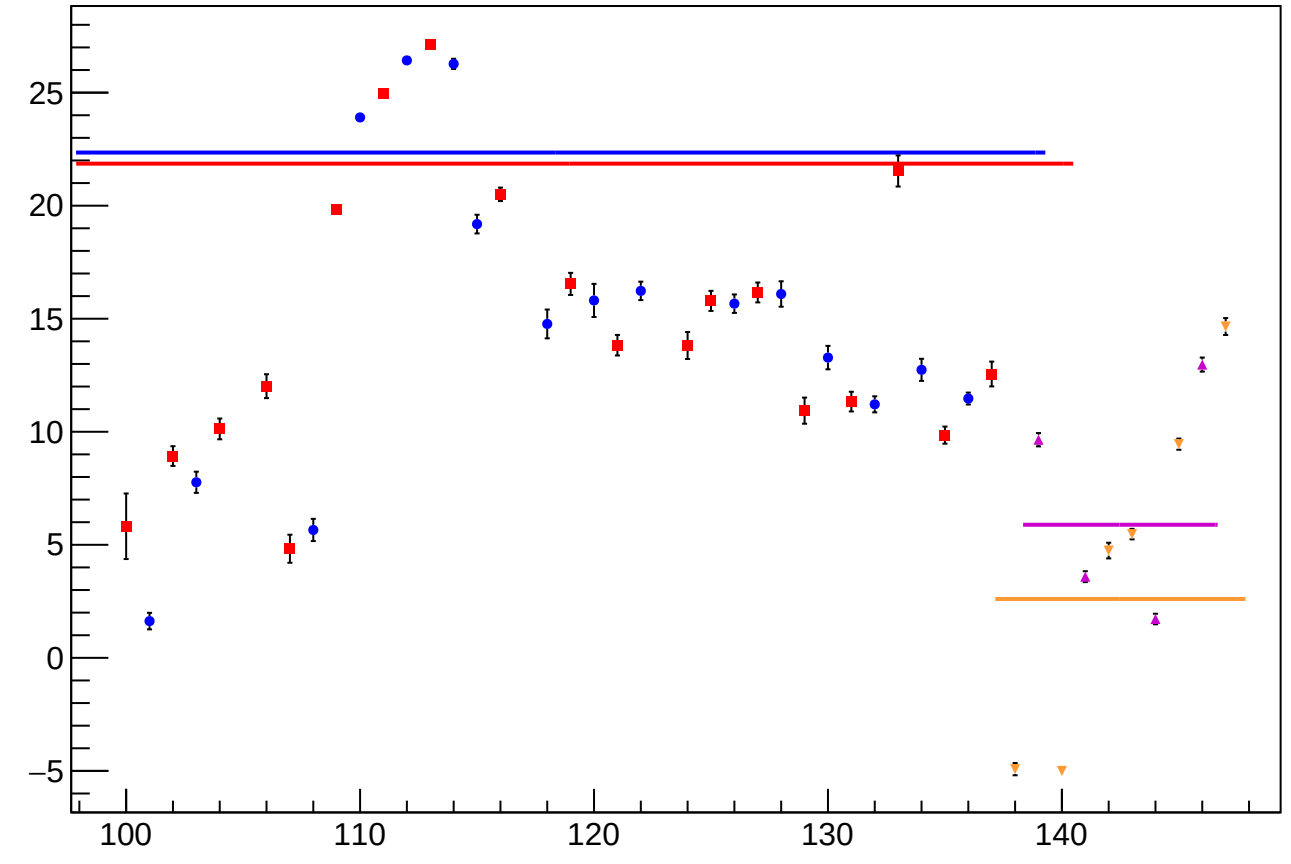
Left: 0.404+/-0.004 χ^2/NDF: 177.8/9

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.310+/-0.005 χ^2/NDF:2870.6/19

Out: 0.349+/-0.005 χ^2/NDF:4128.1/24

All: 0.331+/-0.003 χ^2/NDF: 7033.1/44



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 2.604+/-0.108 χ^2/NDF:4027.0/5

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 5.888+/-0.132 χ^2/NDF:1091.6/3

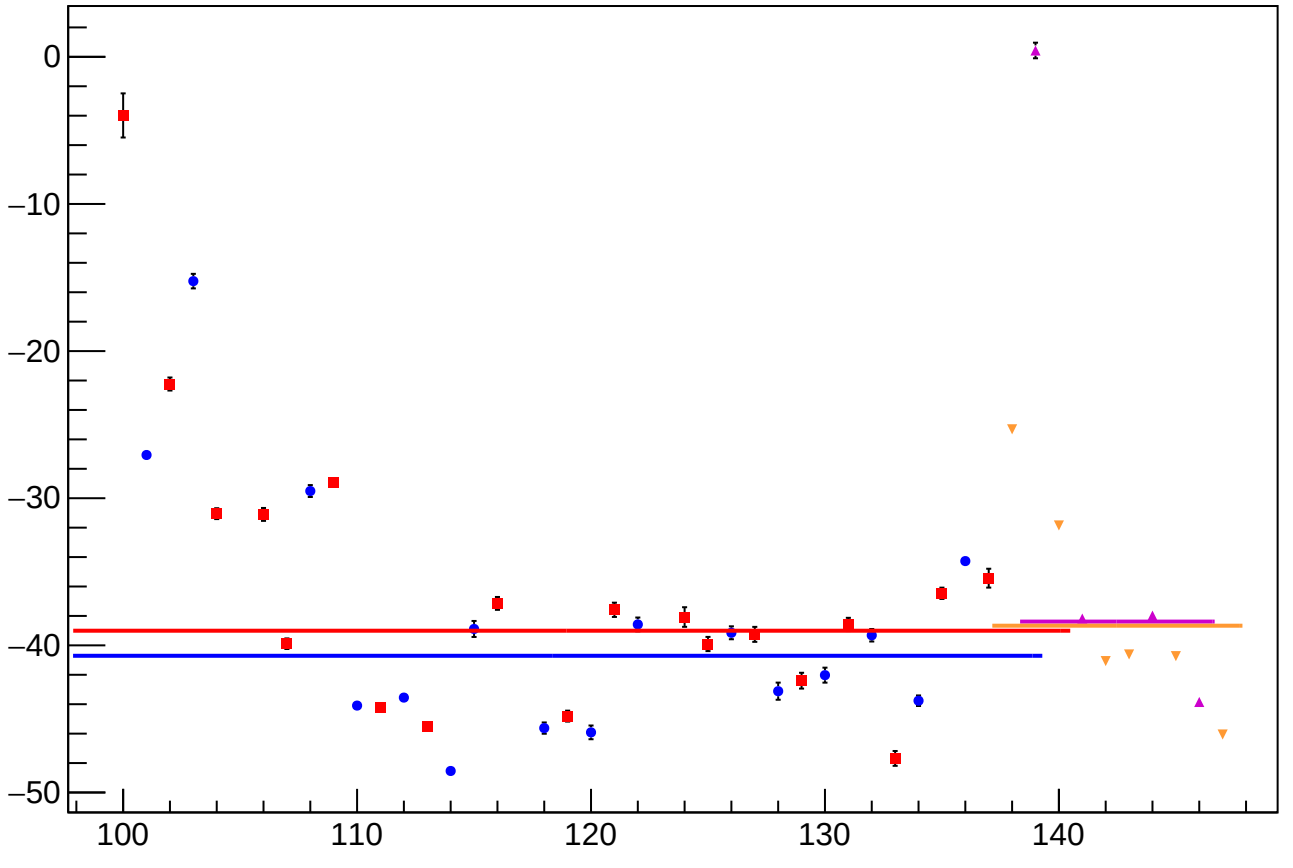
Left: 3.922+/-0.084 χ^2/NDF: 5489.6/9

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 19.793+/-0.052 χ^2/NDF:26588.2/19

Out: 18.871+/-0.043 χ^2/NDF:41576.8/24

All: 19.241+/-0.033 χ^2/NDF: 68353.6/44



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -38.664+/-0.079 χ^2/NDF:6260.9/5

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -38.385+/-0.101 χ^2/NDF:6217.5/3

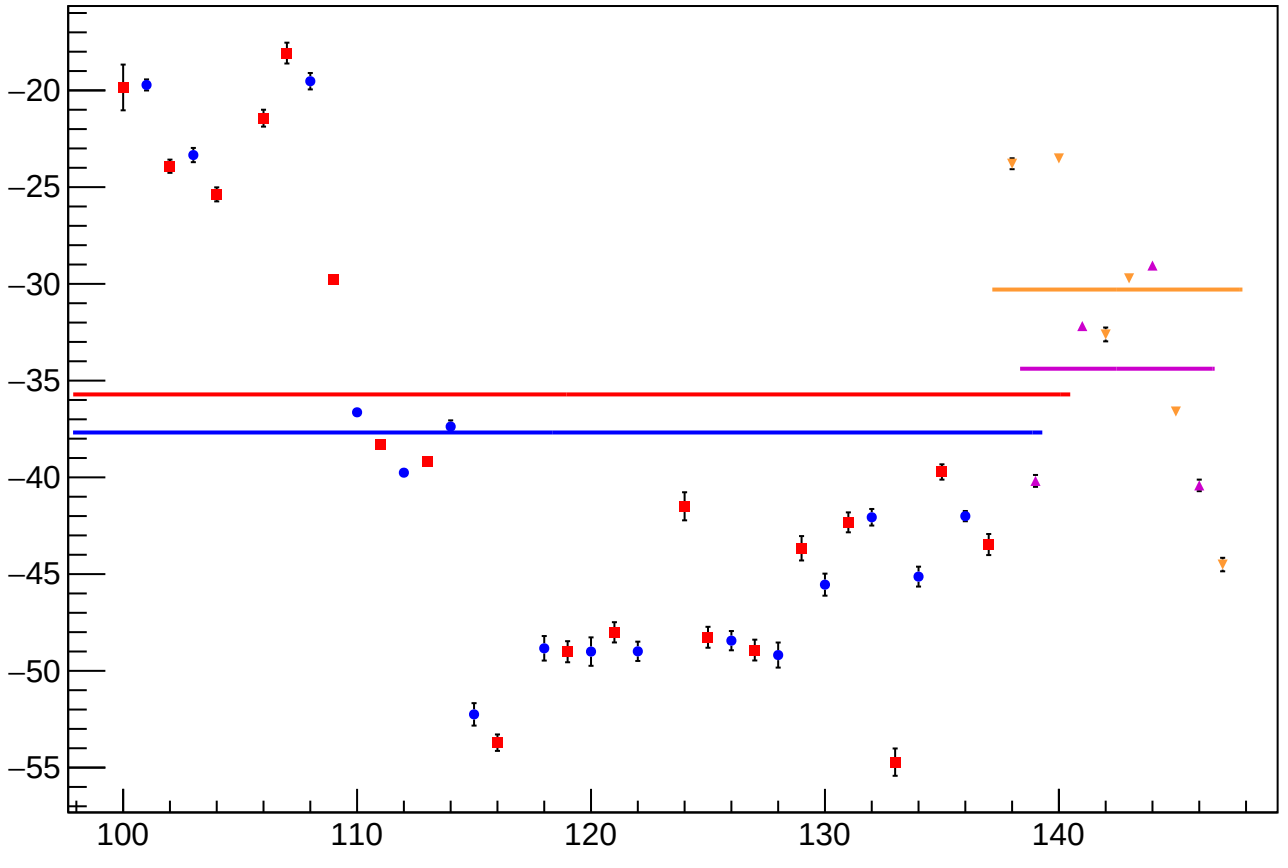
Left: -38.557+/-0.062 χ^2/NDF: 12483.2/9

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.857+/-0.061 χ^2/NDF:14336.3/19

Out: -38.853+/-0.053 χ^2/NDF:16372.5/24

All: -39.285+/-0.040 χ^2/NDF: 30863.6/44



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -30.293+/-0.110 χ^2/NDF:3794.0/5

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -34.385+/-0.134 χ^2/NDF:1334.4/3

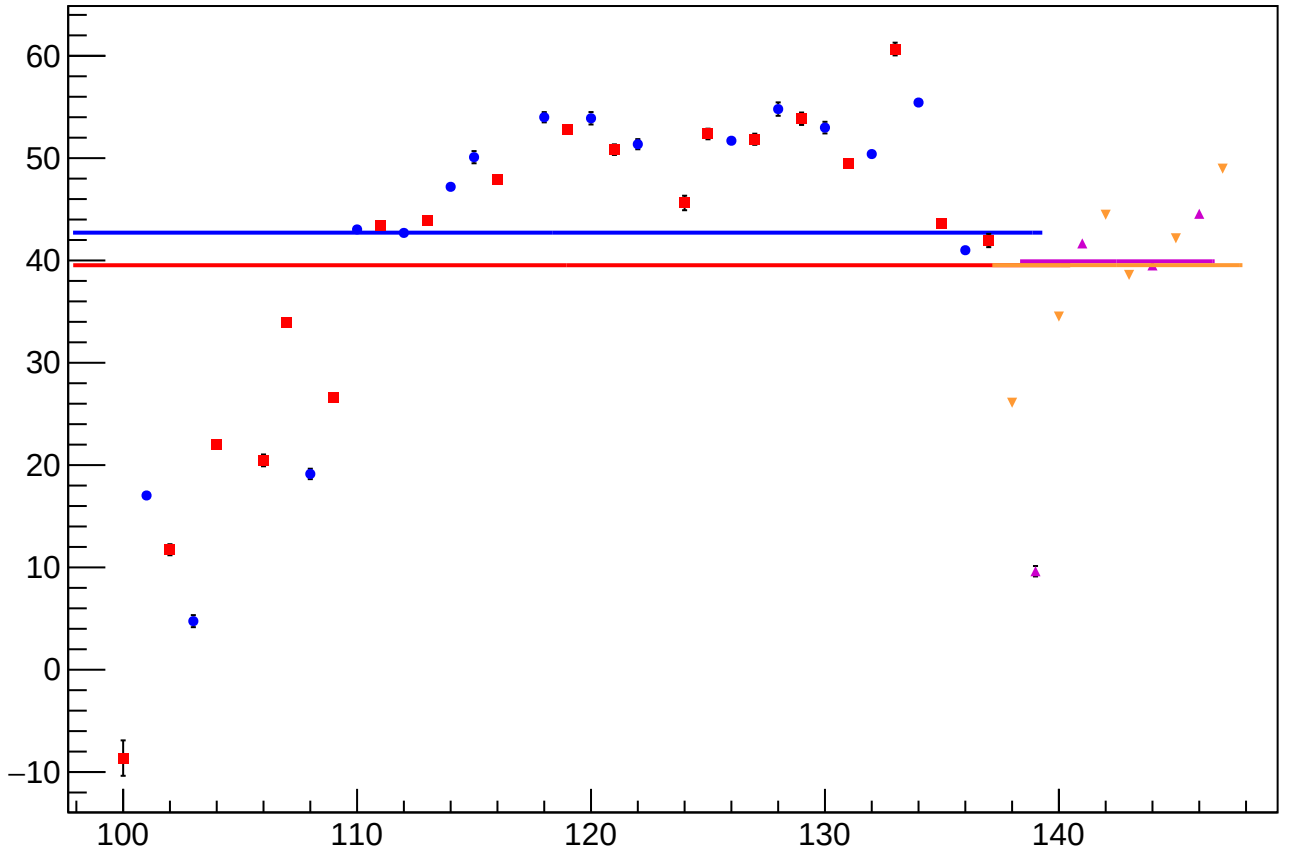
Left: -31.944+/-0.085 χ^2/NDF: 5682.7/9

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -36.917+/-0.065 χ^2/NDF:12651.4/19

Out: -34.340+/-0.056 χ^2/NDF:18868.7/24

All: -35.435+/-0.042 χ^2/NDF: 32434.3/44



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 39.541+/-0.096 χ^2/NDF:4616.4/5

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 39.916+/-0.120 χ^2/NDF:4017.4/3

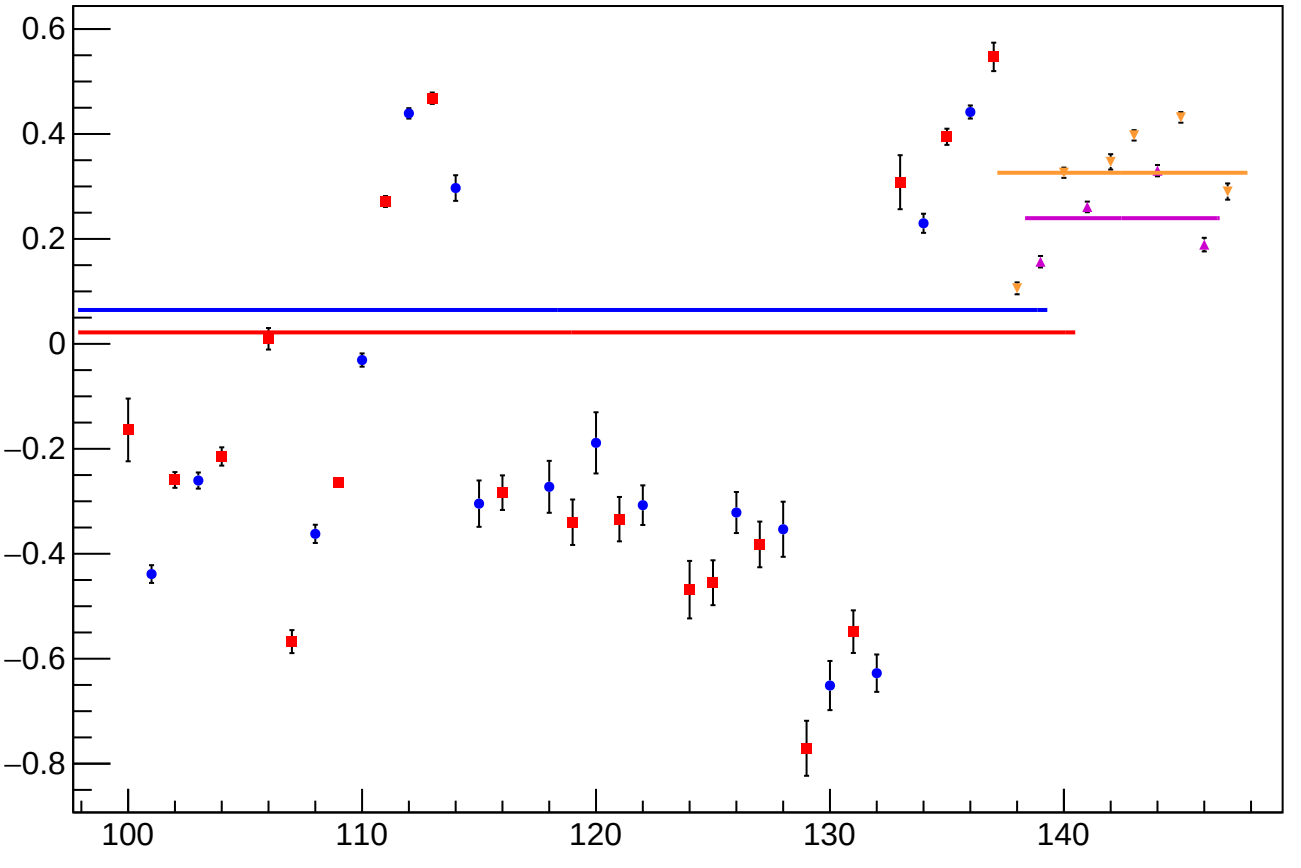
Left: 39.688+/-0.075 χ^2/NDF: 8639.8/9

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.776+/-0.069 χ^2/NDF:19147.3/19

Out: 39.536+/-0.061 χ^2/NDF:22594.6/24

All: 40.508+/-0.046 χ^2/NDF: 42333.4/44



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.326+/-0.005 χ^2/NDF:543.2/5

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.240+/-0.006 χ^2/NDF:148.2/3

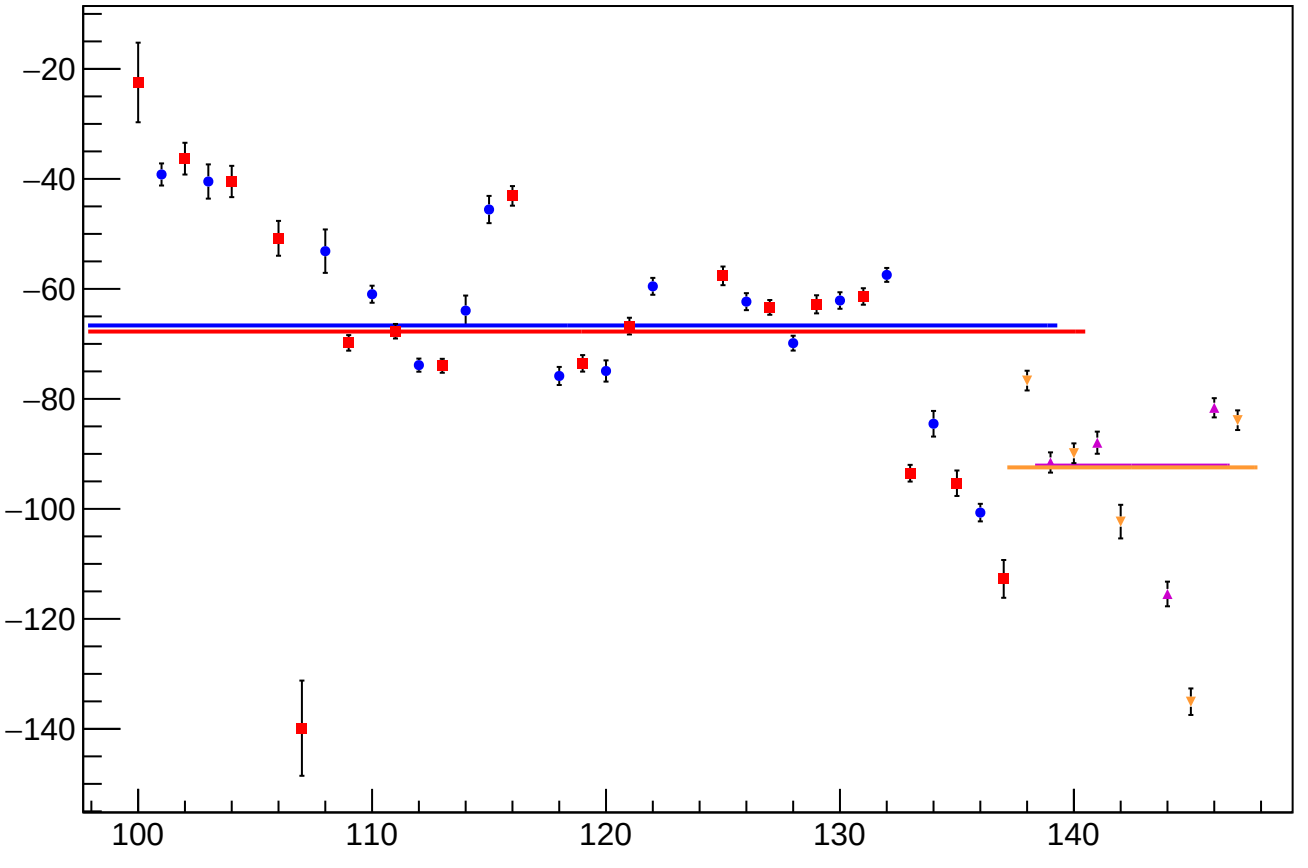
Left: 0.291+/-0.004 χ^2/NDF: 836.0/9

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.141+/-0.004 χ^2/NDF:6213.0/19

Out: 0.166+/-0.003 χ^2/NDF:9231.4/24

All: 0.155+/-0.002 χ^2/NDF: 15472.5/44



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -92.454+/-0.908 χ^2/NDF:425.2/4

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -92.129+/-0.967 χ^2/NDF:148.9/3

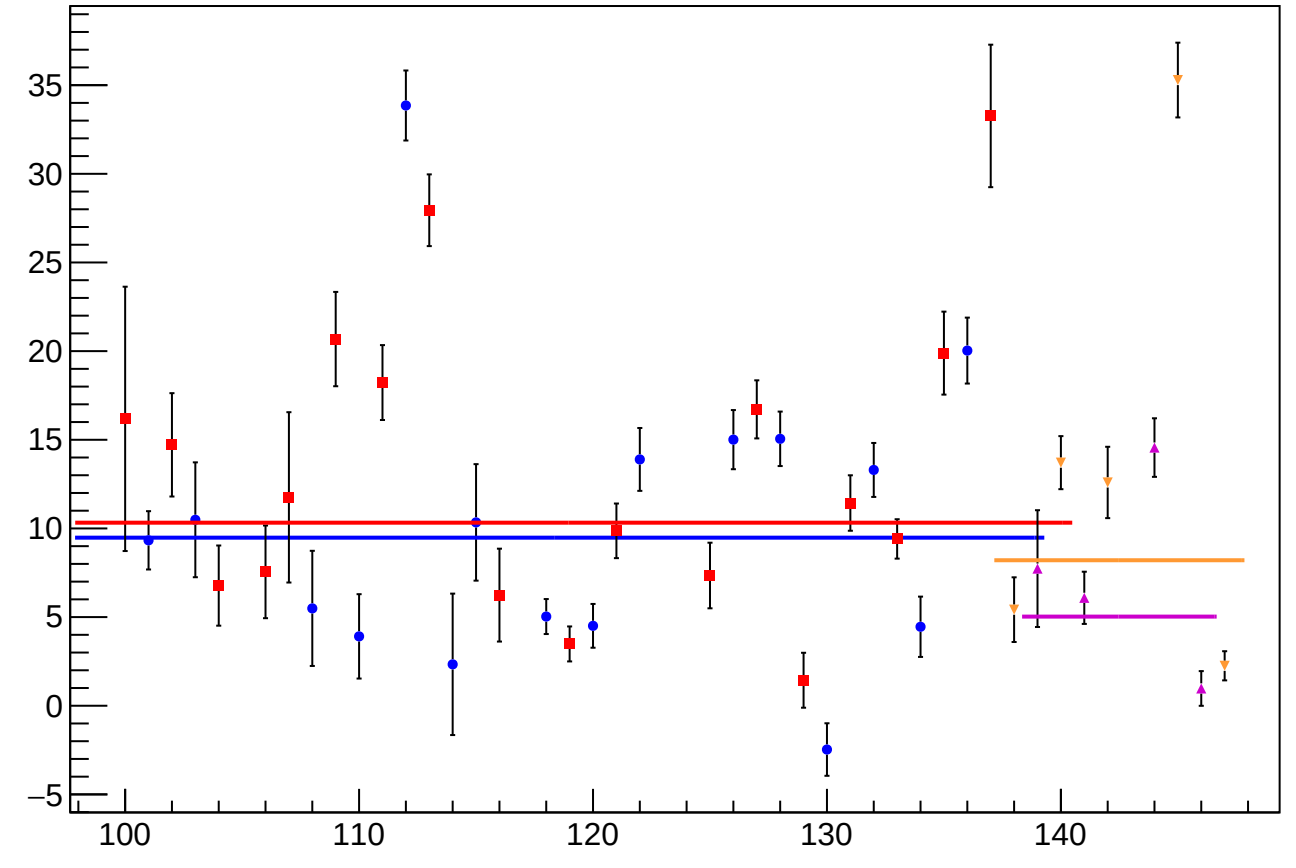
Left: -92.302+/-0.662 χ^2/NDF: 574.1/8

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -70.789+/-0.390 χ^2/NDF:1782.5/19

Out: -72.097+/-0.381 χ^2/NDF:2290.0/22

All: -71.458+/-0.272 χ^2/NDF: 4078.2/42



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 8.206+/-0.609 χ^2/NDF:238.0/4

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 5.028+/-0.713 χ^2/NDF:51.7/3

Left: 6.866+/-0.463 χ^2/NDF: 301.2/8

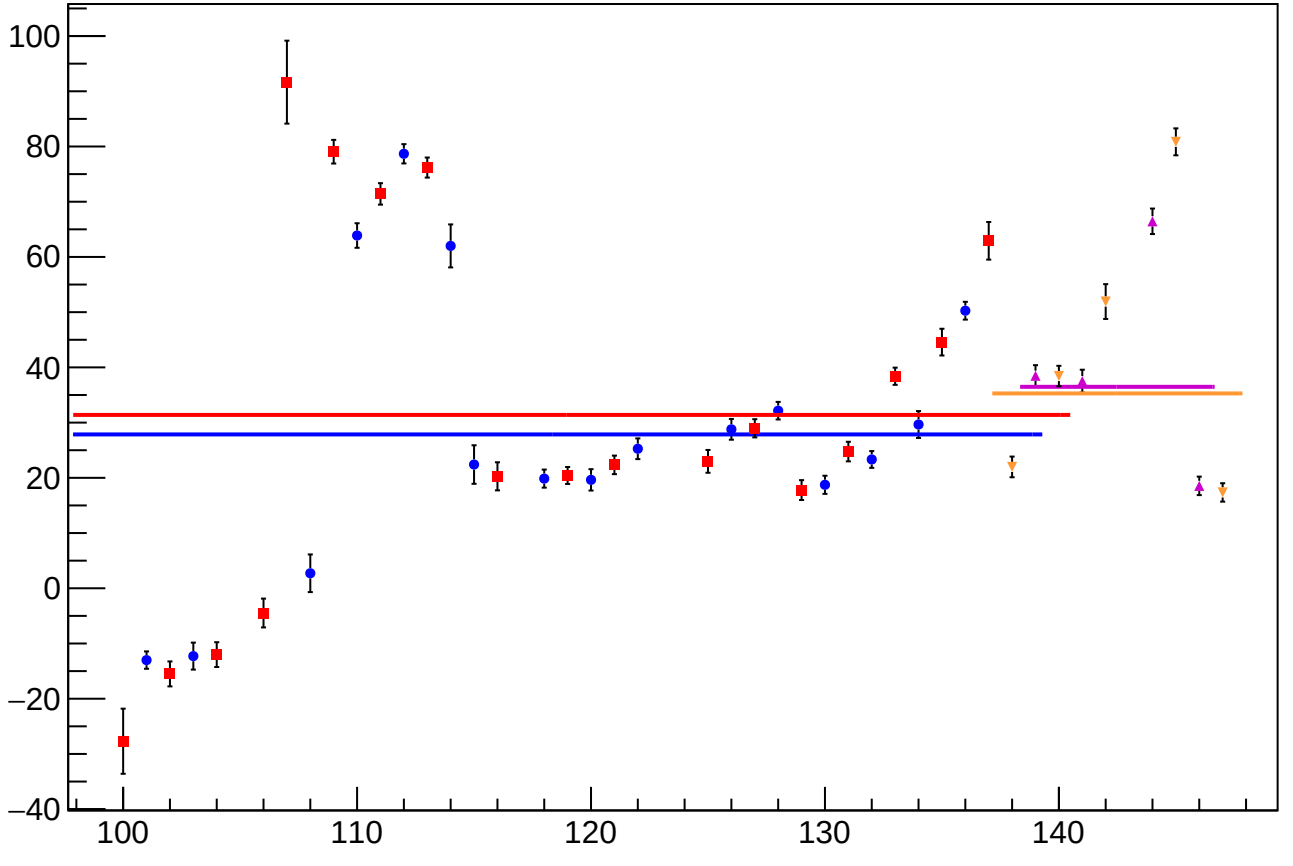
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 8.301+/-0.367 χ^2/NDF:422.2/19

Out: 9.607+/-0.354 χ^2/NDF:509.4/22

All: 8.977+/-0.255 χ^2/NDF: 938.2/42

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 35.285+/-0.910 χ^2/NDF:545.6/4

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 36.480+/-0.975 χ^2/NDF:284.8/3

Left: 35.841+/-0.666 χ^2/NDF: 831.2/8

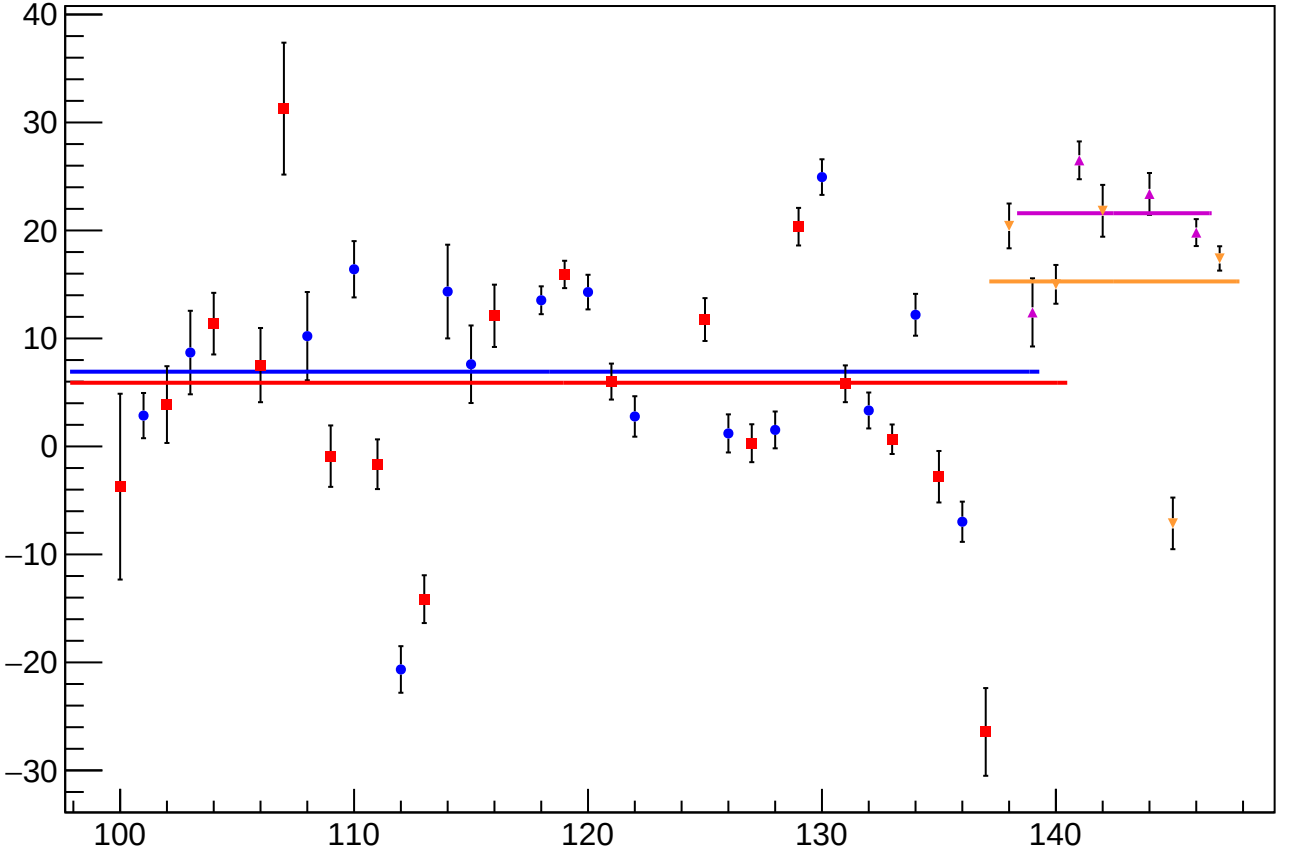
Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 29.554+/-0.432 χ^2/NDF:2821.6/19

Out: 32.261+/-0.430 χ^2/NDF:3571.2/22

All: 30.916+/-0.305 χ^2/NDF: 6412.5/42

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 15.279+/-0.772 χ^2/NDF:105.1/4

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 21.596+/-0.865 χ^2/NDF:19.2/3

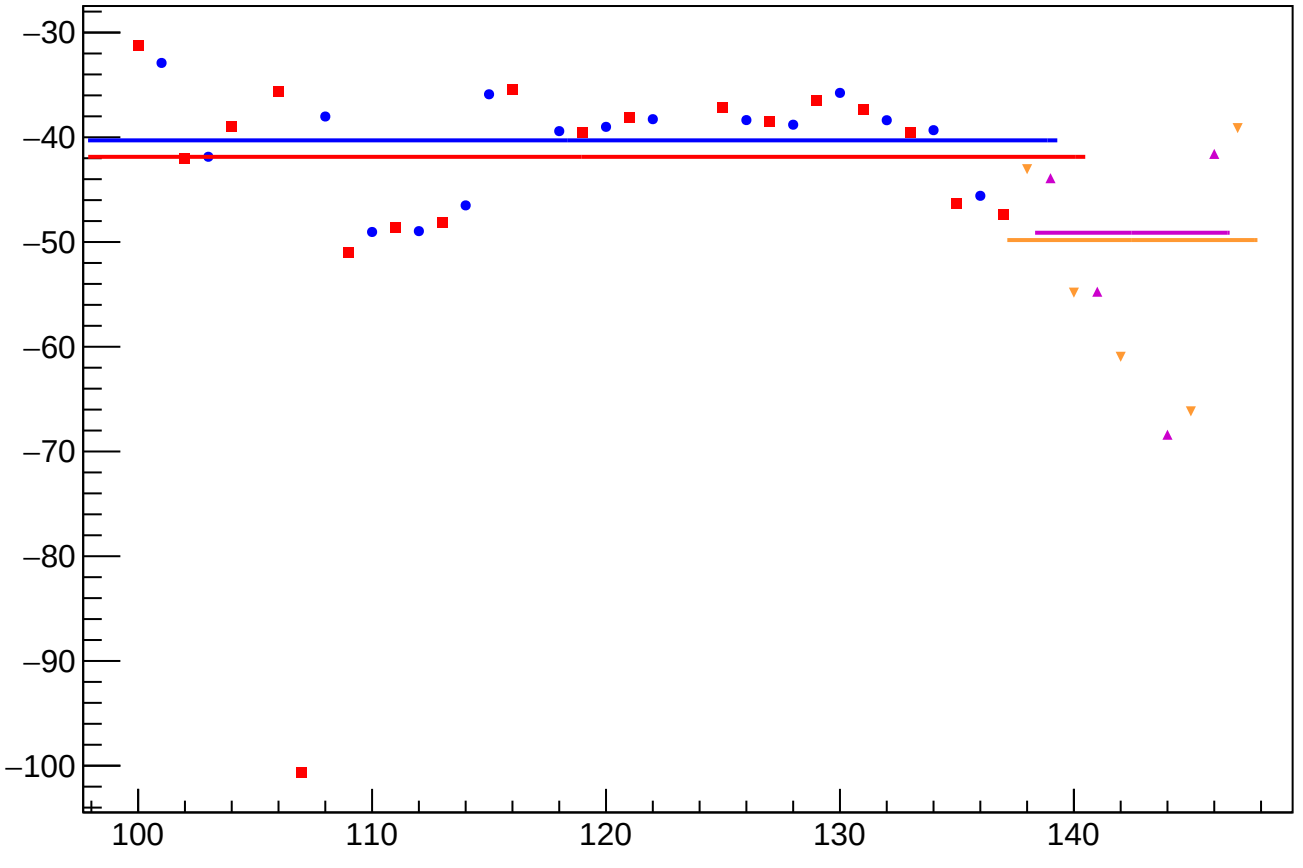
Left: 18.079+/-0.576 χ^2/NDF: 153.9/8

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

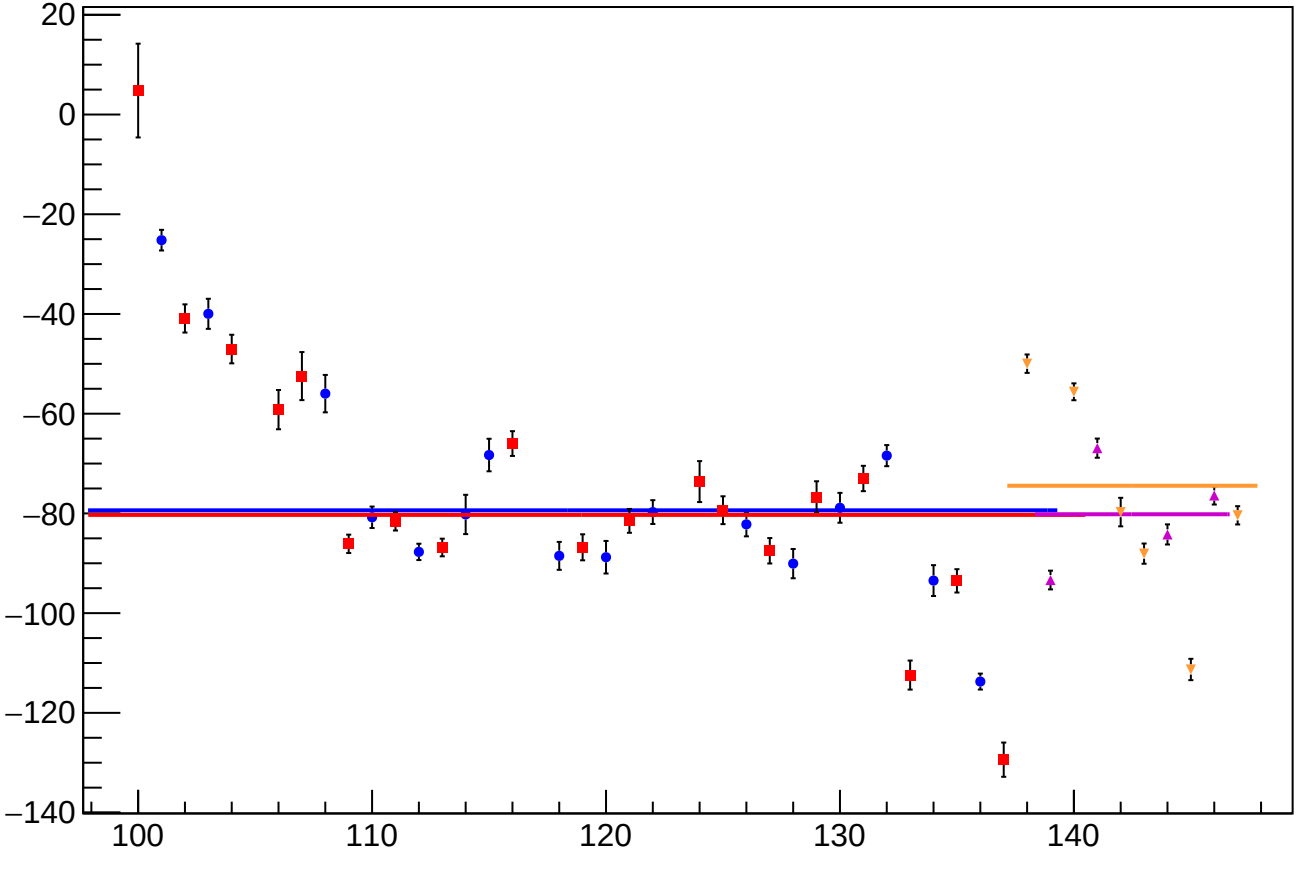
In: 10.546+/-0.430 χ^2/NDF:680.1/19

Out: 8.683+/-0.421 χ^2/NDF:576.6/22

All: 9.594+/-0.301 χ^2/NDF: 1266.3/42


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
Right In: -40.293+/-0.031 χ²/NDF: 20663.5/15
Left Out: -49.813+/-0.038 χ²/NDF:69085.3/4
Right Out: -41.867+/-0.032 χ²/NDF: 58734.8/17
Left In: -49.113+/-0.039 χ²/NDF:55800.9/3
Left: -49.473+/-0.028 χ²/NDF: 125047.7/8
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -43.713+/-0.025 χ²/NDF:107057.4/19
Out: -45.136+/-0.025 χ²/NDF:153018.8/22
All: -44.422+/-0.017 χ²/NDF: 261749.3/42

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.451+/-0.810 χ^2/NDF:655.2/5

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -80.172+/-0.953 χ^2/NDF:105.1/3

Left: -76.851+/-0.617 χ^2/NDF: 781.2/9

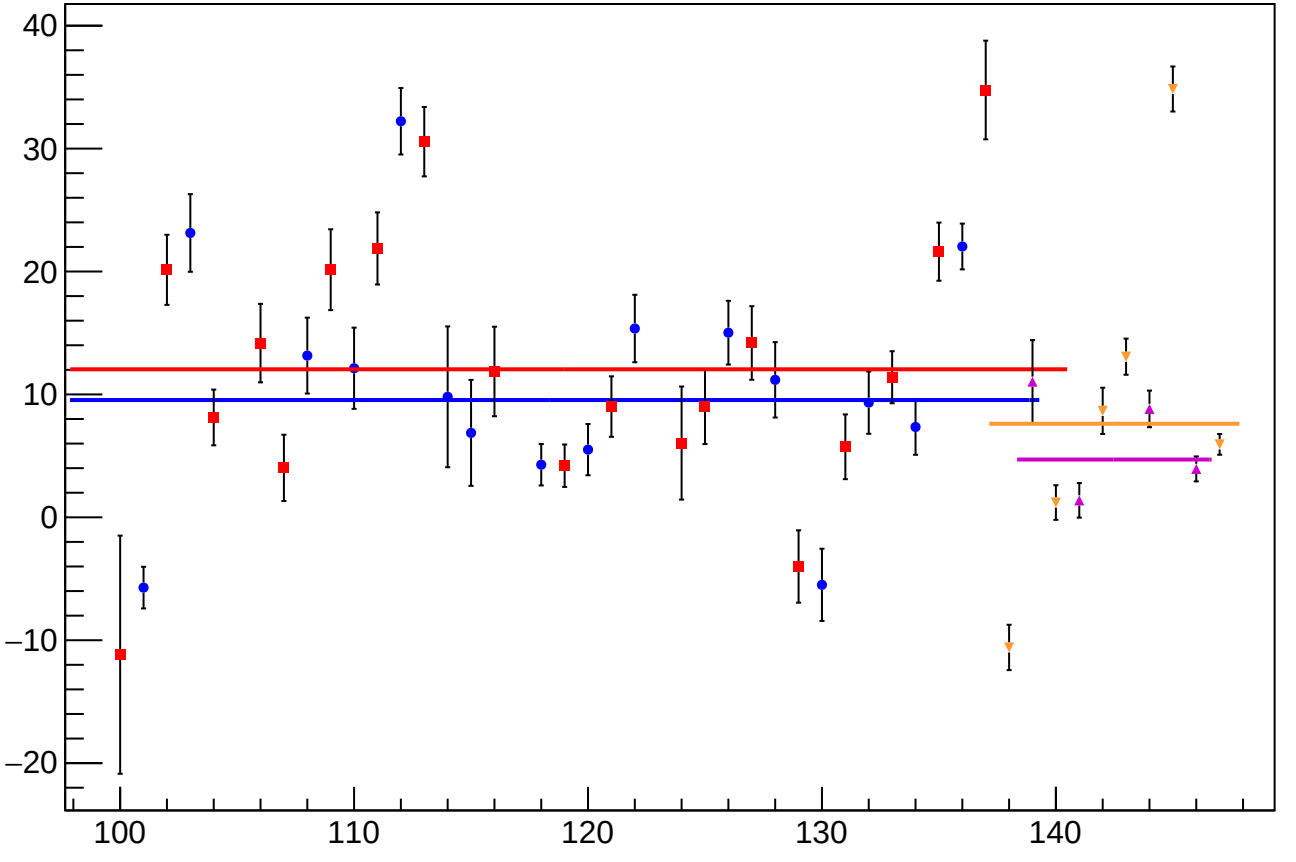
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -79.612+/-0.514 χ^2/NDF:1581.4/19

Out: -78.207+/-0.484 χ^2/NDF:1603.3/24

All: -78.867+/-0.353 χ^2/NDF: 3188.7/44

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 7.614+/-0.555 χ^2/NDF:357.1/5

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 4.702+/-0.705 χ^2/NDF:17.3/3

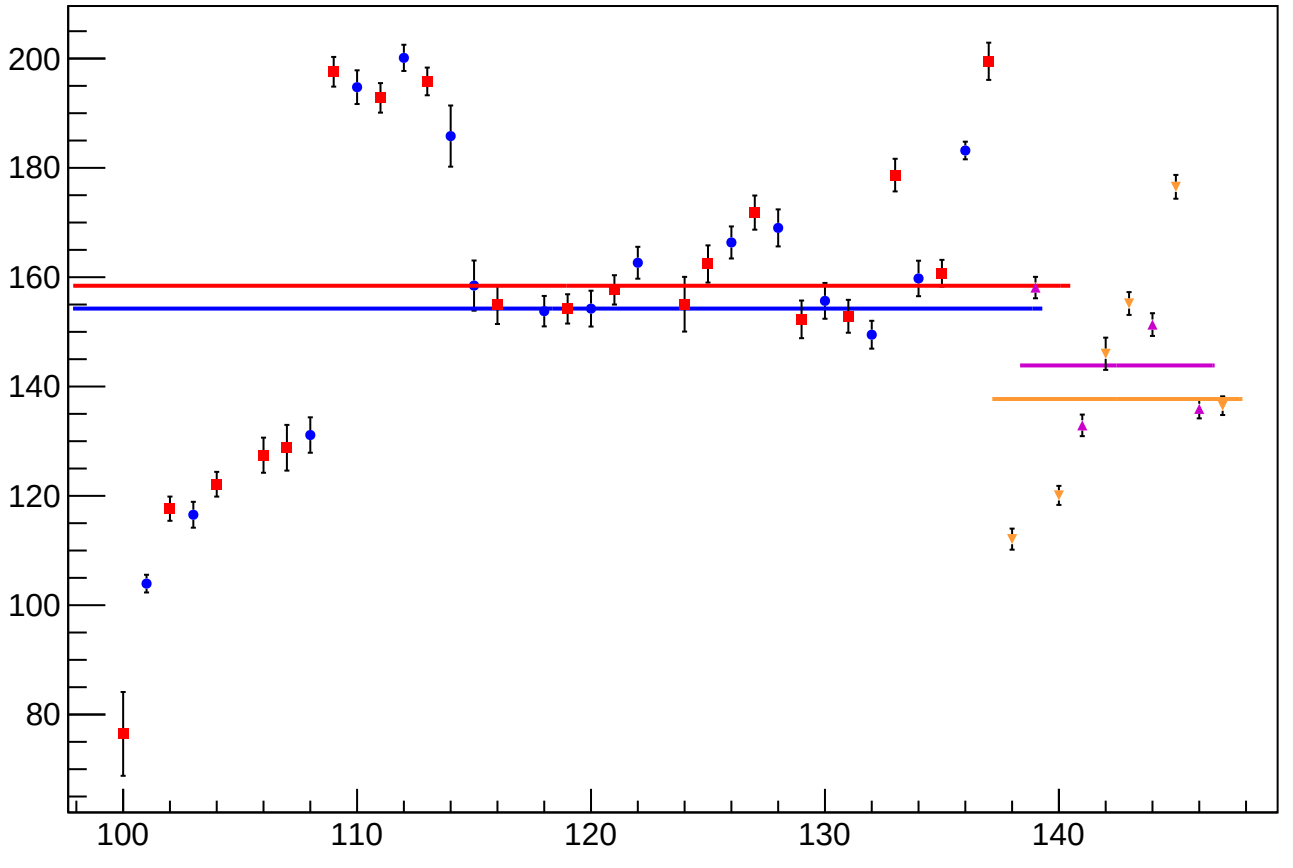
Left: 6.500+/-0.436 χ^2/NDF: 384.9/9

Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 7.427+/-0.466 χ^2/NDF:310.9/19

Out: 9.526+/-0.418 χ^2/NDF:580.4/24

All: 8.590+/-0.311 χ^2/NDF: 902.5/44



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 137.720+/-0.817 χ^2/NDF:675.8/5

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 143.856+/-0.963 χ^2/NDF:117.5/3

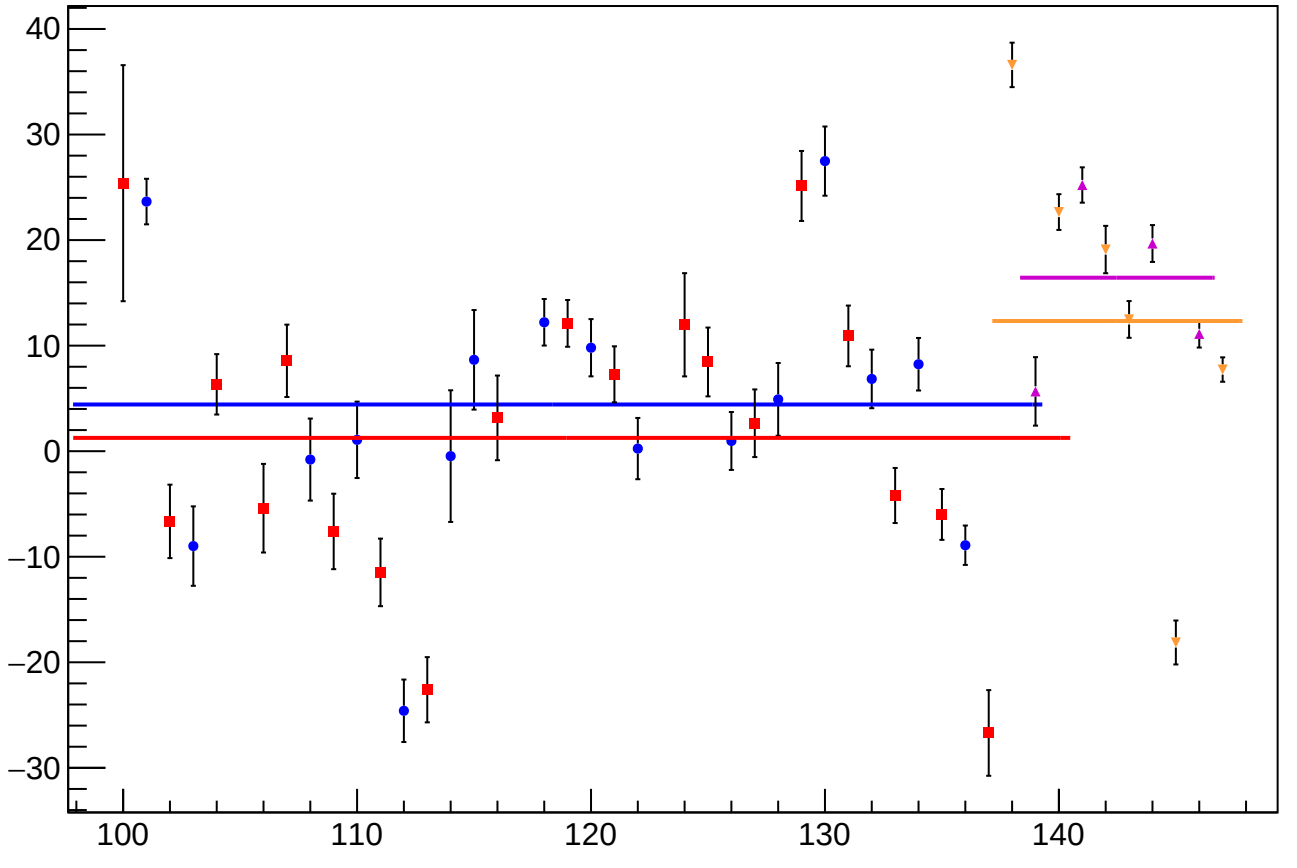
Left: 140.290+/-0.623 χ^2/NDF: 817.0/9

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 150.921+/-0.545 χ^2/NDF:2410.5/19

Out: 149.923+/-0.524 χ^2/NDF:2718.5/24

All: 150.402+/-0.378 χ^2/NDF: 5130.8/44



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 12.334+/-0.693 χ^2/NDF:408.7/5

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 16.436+/-0.853 χ^2/NDF:58.9/3

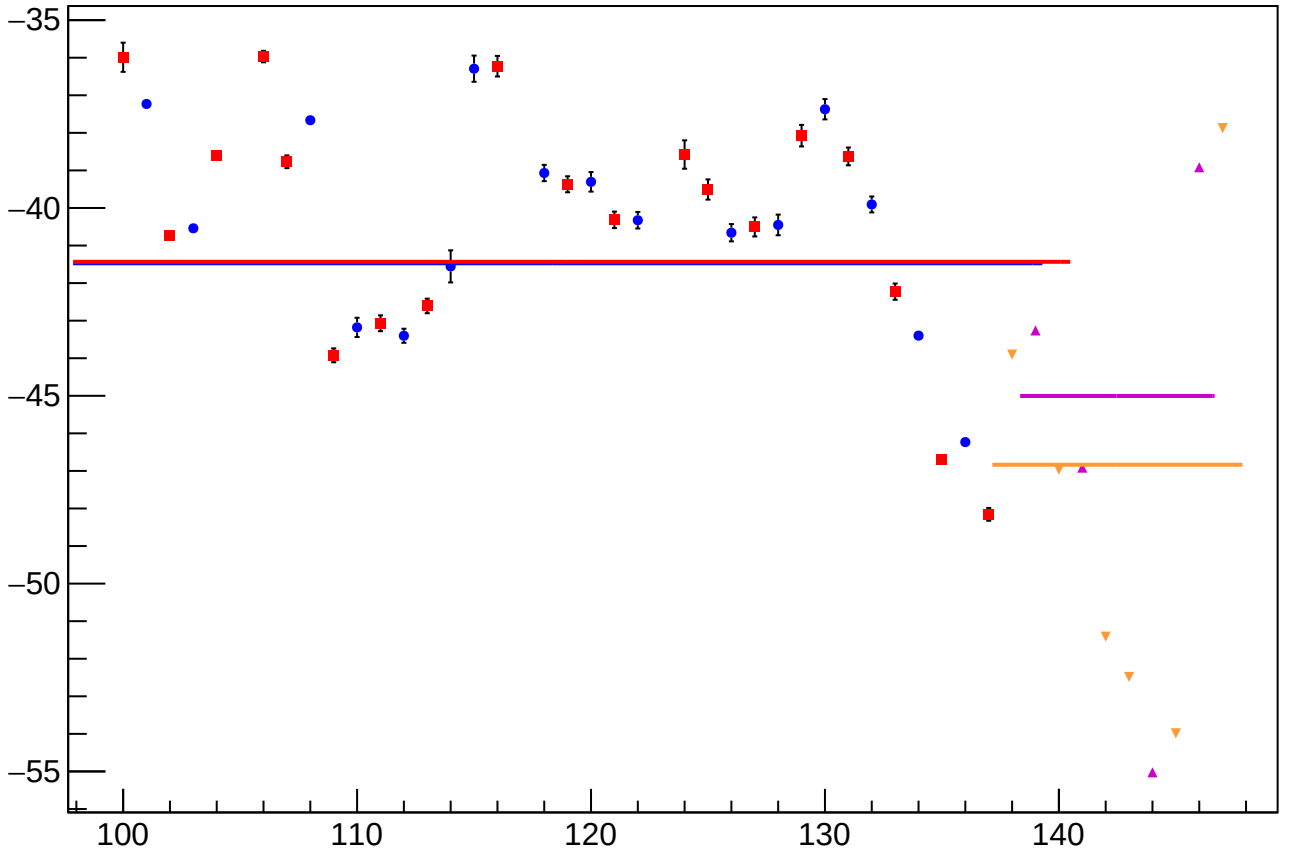
Left: 13.966+/-0.538 χ^2/NDF: 481.5/9

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 9.375+/-0.547 χ^2/NDF:491.6/19

Out: 7.096+/-0.503 χ^2/NDF:794.4/24

All: 8.140+/-0.370 χ^2/NDF: 1295.4/44



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -46.836+/-0.034 χ^2/NDF:27913.5/5

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -45.004+/-0.039 χ^2/NDF:19380.1/3

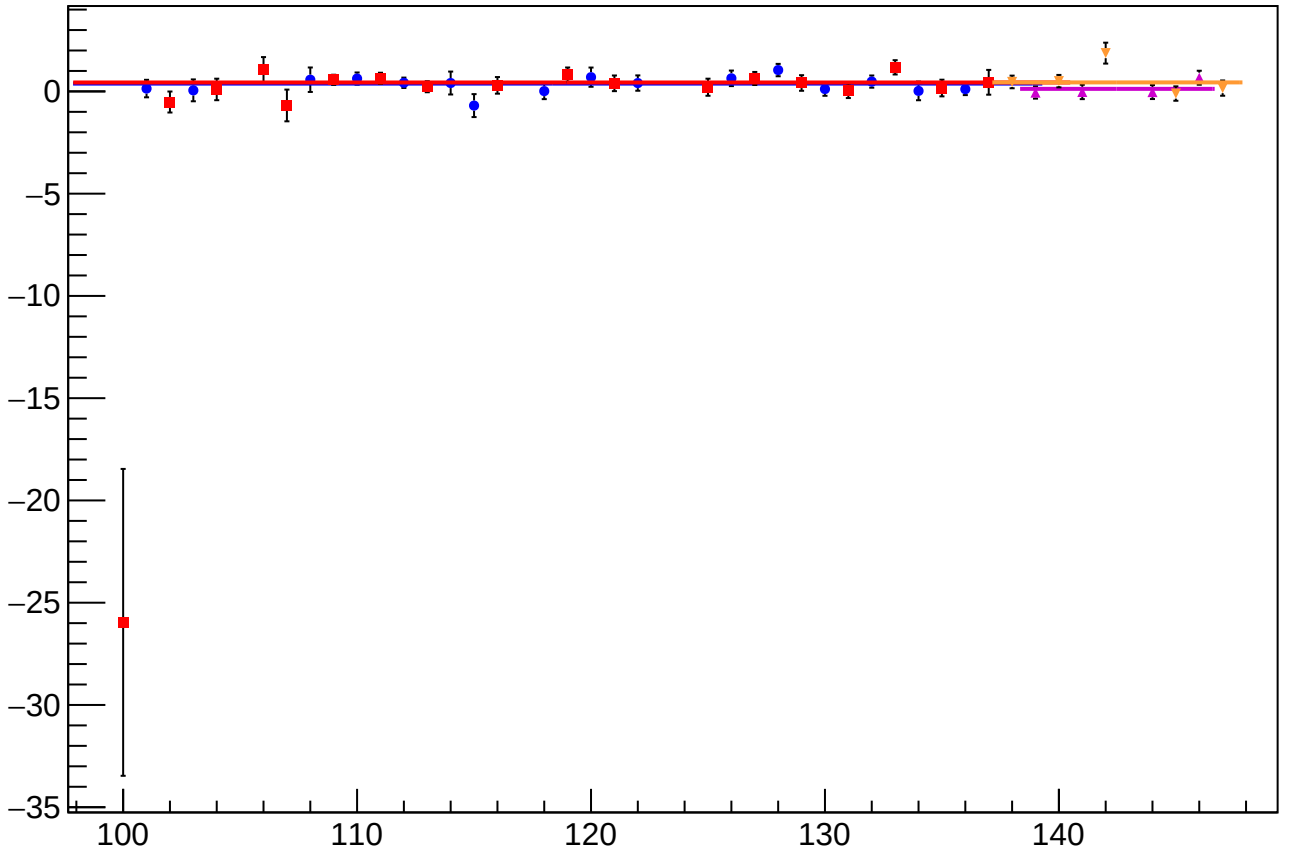
Left: -46.037+/-0.026 χ^2/NDF: 48527.3/9

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -43.190+/-0.027 χ^2/NDF:31471.7/19

Out: -44.504+/-0.026 χ^2/NDF:46768.3/24

All: -43.881+/-0.019 χ^2/NDF: 79456.6/44



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.440+/-0.157 χ^2/NDF:10.8/4

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.124+/-0.165 χ^2/NDF:3.3/3

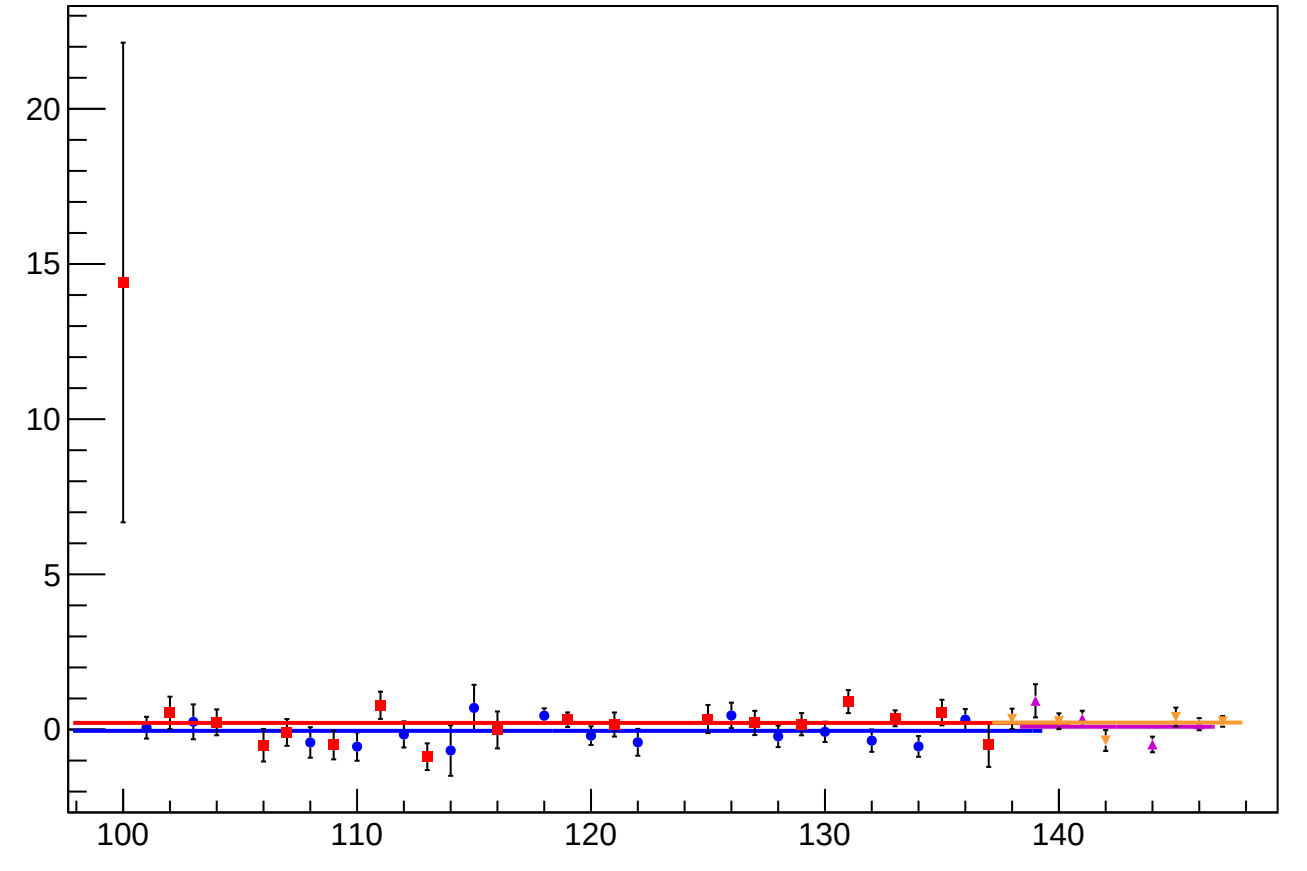
Left: 0.289+/-0.114 χ^2/NDF: 16.1/8

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.321+/-0.080 χ^2/NDF:19.2/19

Out: 0.437+/-0.078 χ^2/NDF:39.8/22

All: 0.381+/-0.056 χ^2/NDF: 60.1/42



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.224+/-0.113 χ^2/NDF:3.5/4

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.089+/-0.128 χ^2/NDF:8.7/3

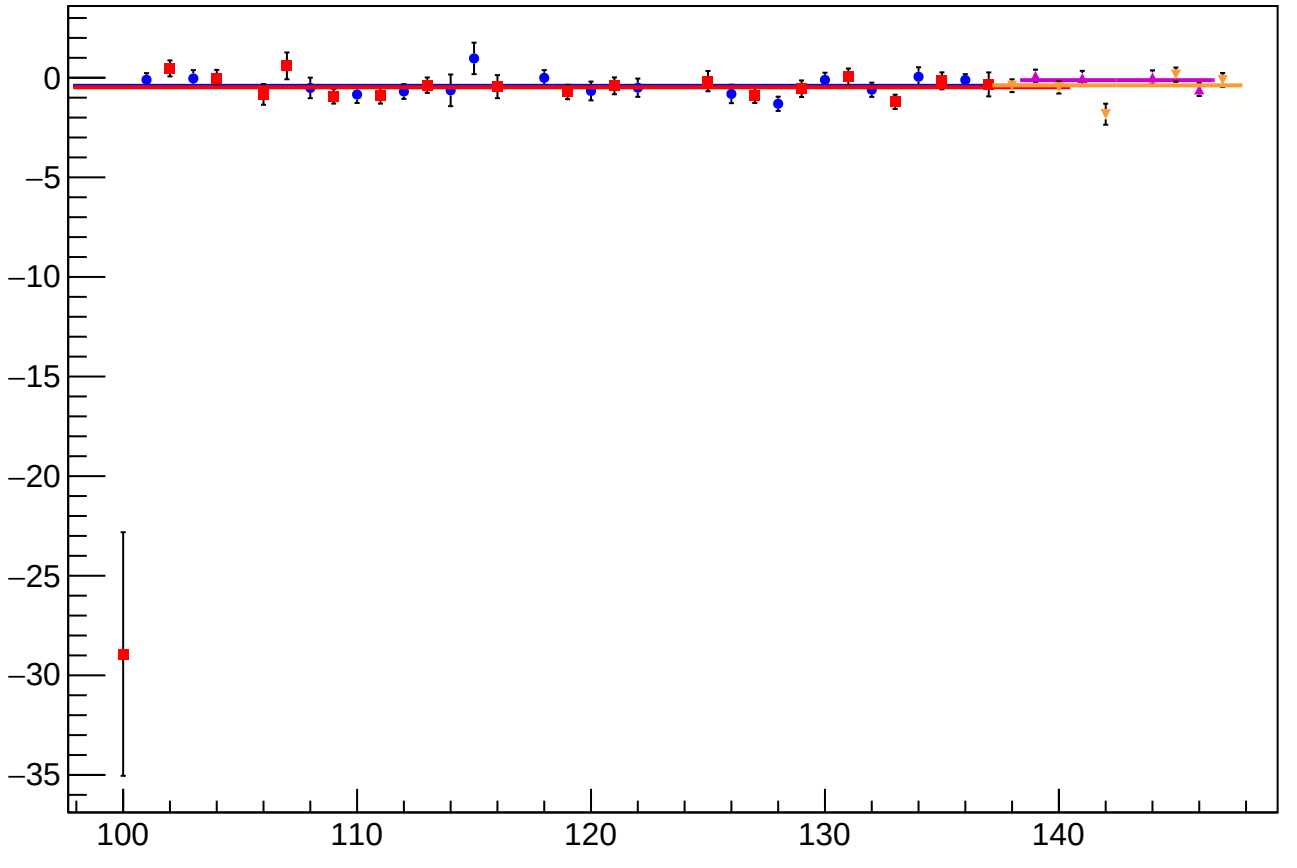
Left: 0.165+/-0.085 χ^2/NDF: 12.8/8

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.003+/-0.076 χ^2/NDF:24.4/19

Out: 0.217+/-0.073 χ^2/NDF:25.9/22

All: 0.115+/-0.053 χ^2/NDF: 54.5/42



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.382+/-0.159 χ^2/NDF:10.5/4

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.123+/-0.167 χ^2/NDF:2.8/3

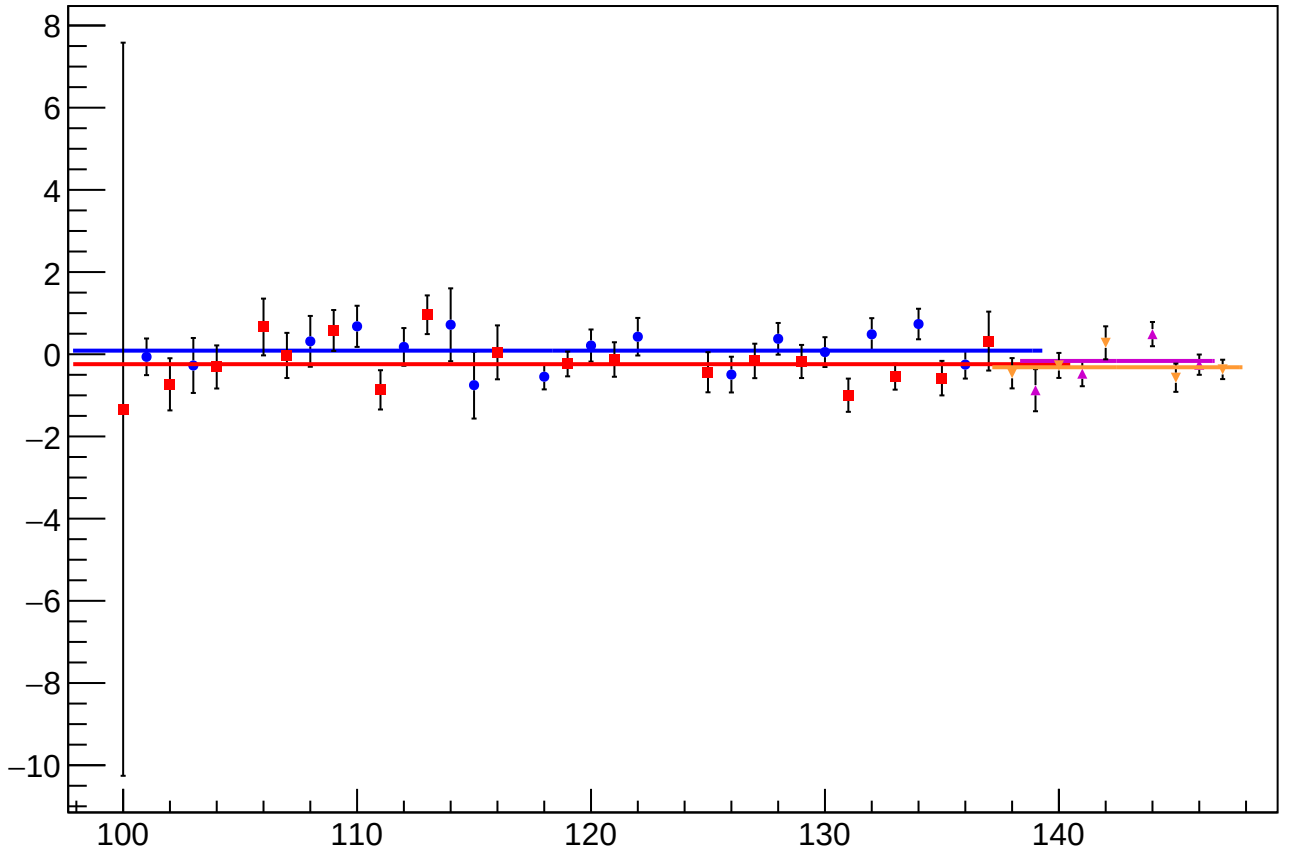
Left: -0.259+/-0.115 χ^2/NDF: 14.6/8

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.328+/-0.088 χ^2/NDF:22.6/19

Out: -0.449+/-0.087 χ^2/NDF:53.0/22

All: -0.389+/-0.062 χ^2/NDF: 76.6/42



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.316+/-0.140 χ^2/NDF:3.0/4

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.163+/-0.154 χ^2/NDF:8.0/3

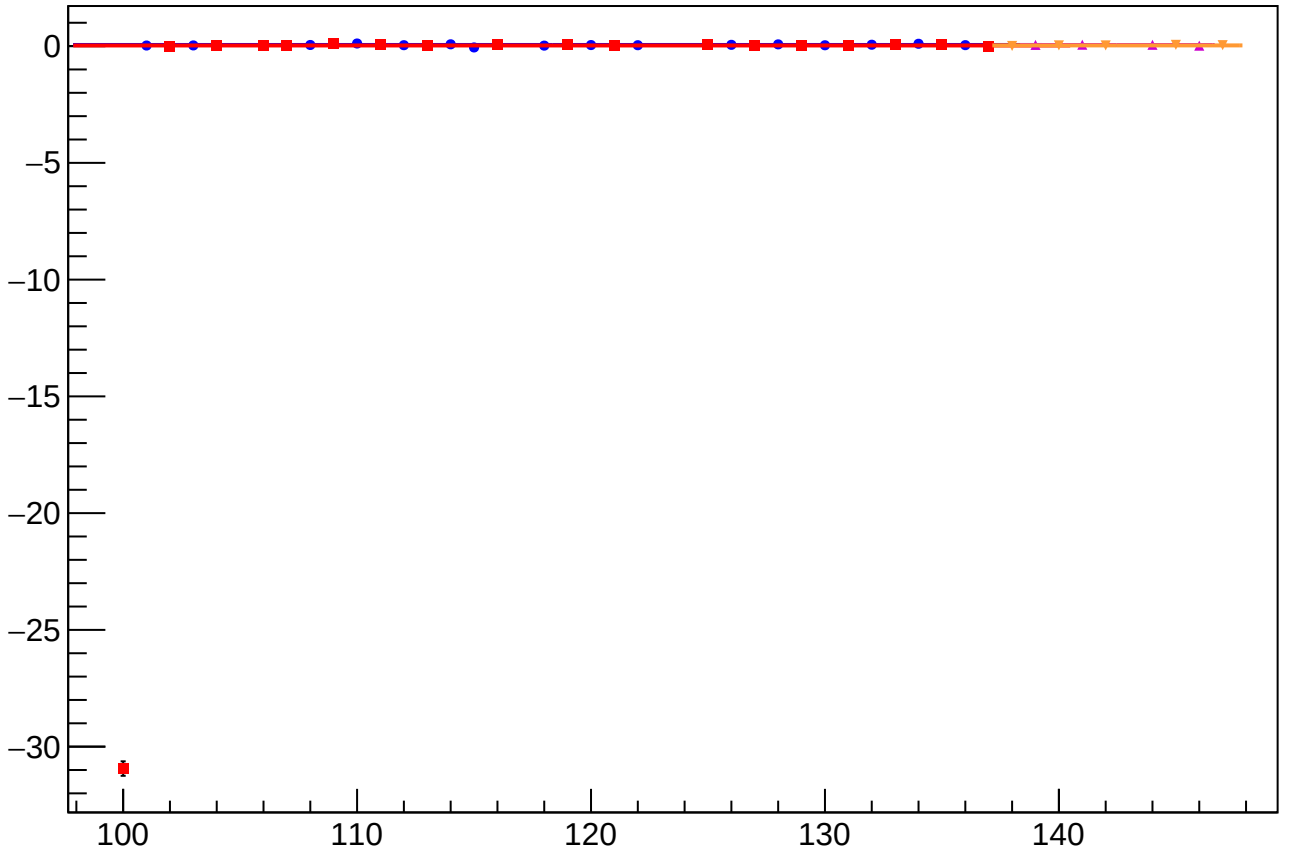
Left: -0.246+/-0.104 χ^2/NDF: 11.5/8

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: 0.005+/-0.089 χ^2/NDF:25.6/19

Out: -0.270+/-0.086 χ^2/NDF:22.8/22

All: -0.136+/-0.062 χ^2/NDF: 53.3/42



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.031+/-0.007 χ^2/NDF:6.6/4

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.047+/-0.007 χ^2/NDF:5.5/3

Left: 0.039+/-0.005 χ^2/NDF: 15.3/8

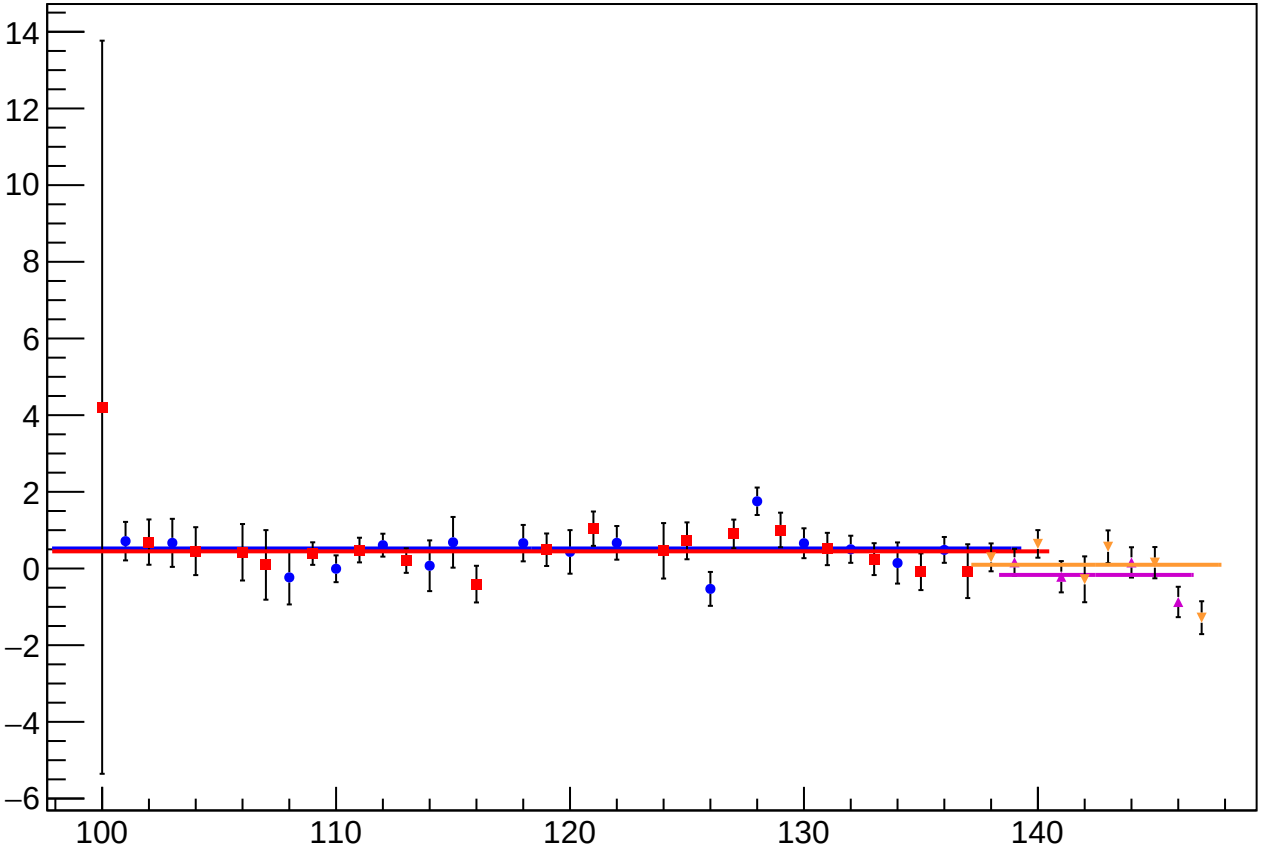
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.048+/-0.005 χ^2/NDF:24.7/19

Out: 0.029+/-0.005 χ^2/NDF:10027.6/22

All: 0.039+/-0.003 χ^2/NDF: 10060.7/42

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.098+/-0.169 χ^2/NDF:14.6/5

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.167+/-0.193 χ^2/NDF:4.8/3

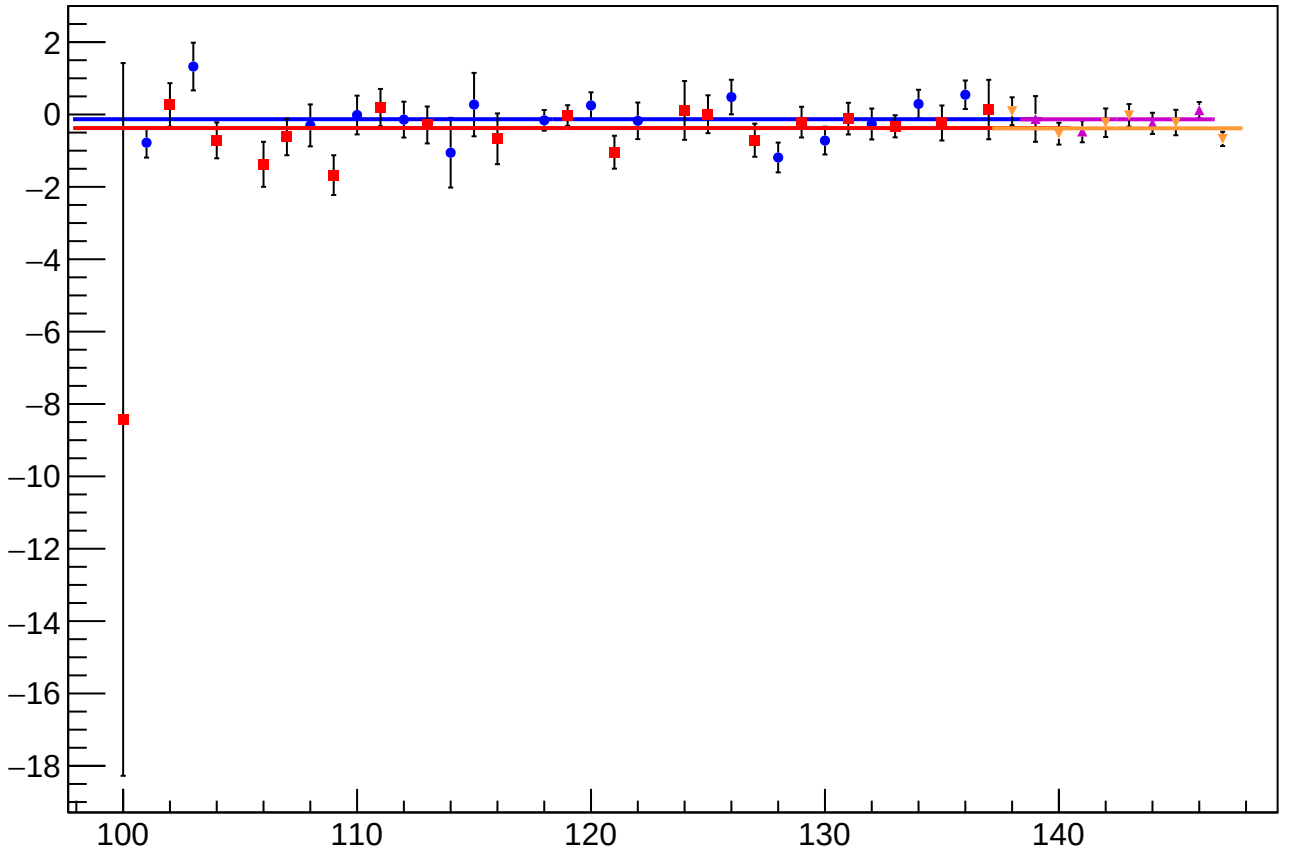
Left: -0.018+/-0.127 χ^2/NDF: 20.4/9

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.356+/-0.095 χ^2/NDF:37.1/19

Out: 0.350+/-0.089 χ^2/NDF:29.1/24

All: 0.353+/-0.065 χ^2/NDF: 66.2/44



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.382+/-0.121 χ^2/NDF:5.6/5

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.133+/-0.149 χ^2/NDF:2.7/3

Left: -0.283+/-0.094 χ^2/NDF: 9.9/9

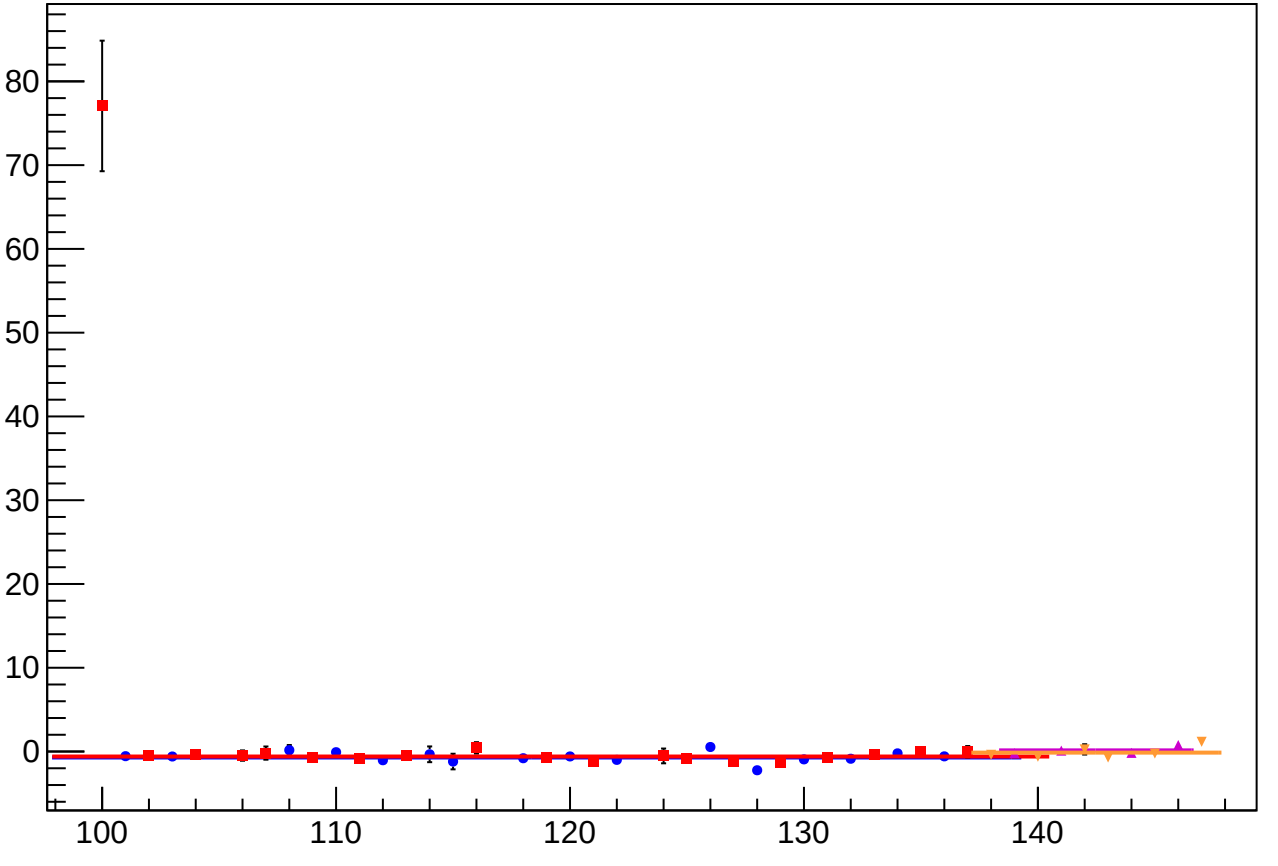
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.131+/-0.089 χ^2/NDF:27.2/19

Out: -0.378+/-0.082 χ^2/NDF:23.8/24

All: -0.265+/-0.060 χ^2/NDF: 55.2/44

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.131+/-0.171 χ^2/NDF:14.9/5

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.135+/-0.195 χ^2/NDF:4.2/3

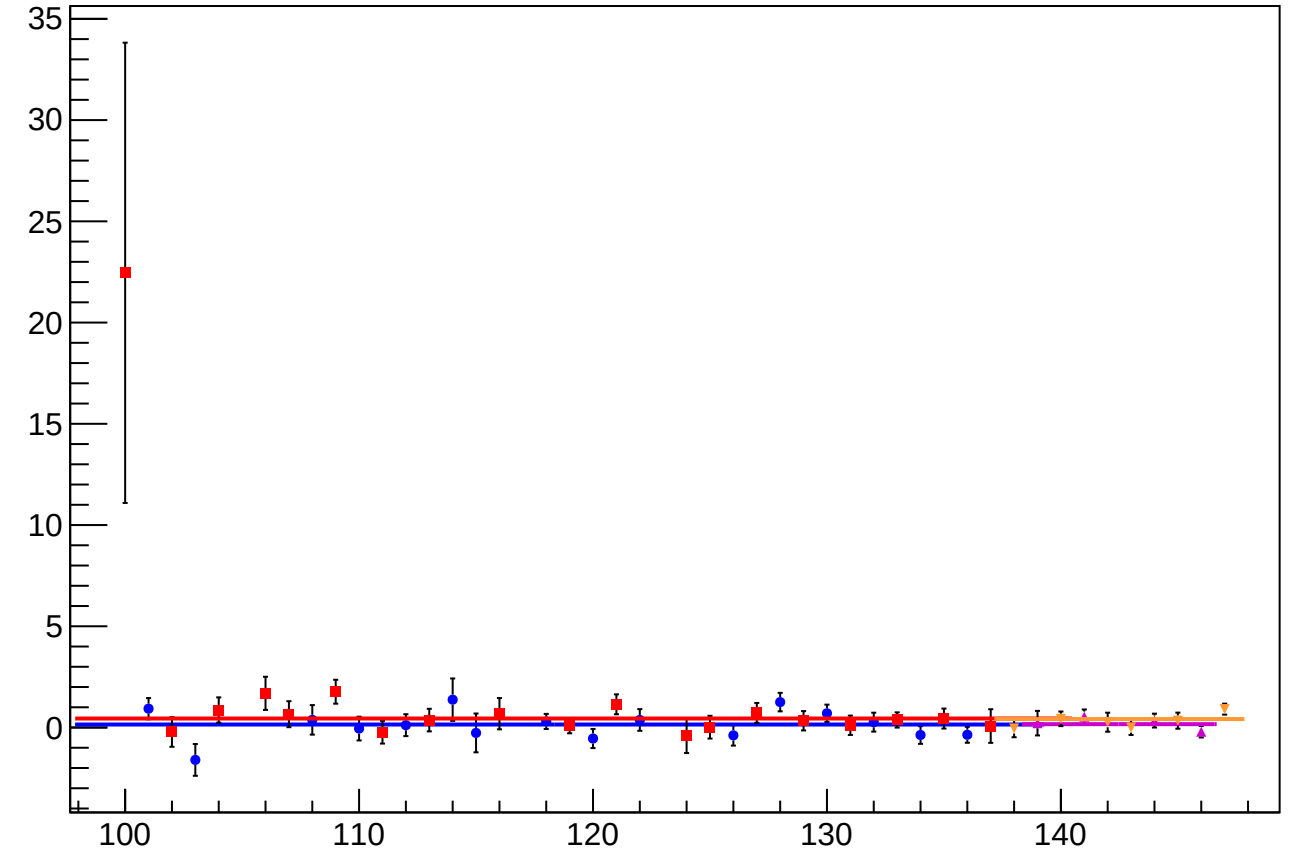
Left: -0.015+/-0.129 χ^2/NDF: 20.1/9

Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.476+/-0.103 χ^2/NDF:42.7/19

Out: -0.441+/-0.099 χ^2/NDF:130.7/24

All: -0.458+/-0.072 χ^2/NDF: 173.5/44



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.418+/-0.149 χ^2/NDF:5.9/5

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.166+/-0.178 χ^2/NDF:3.1/3

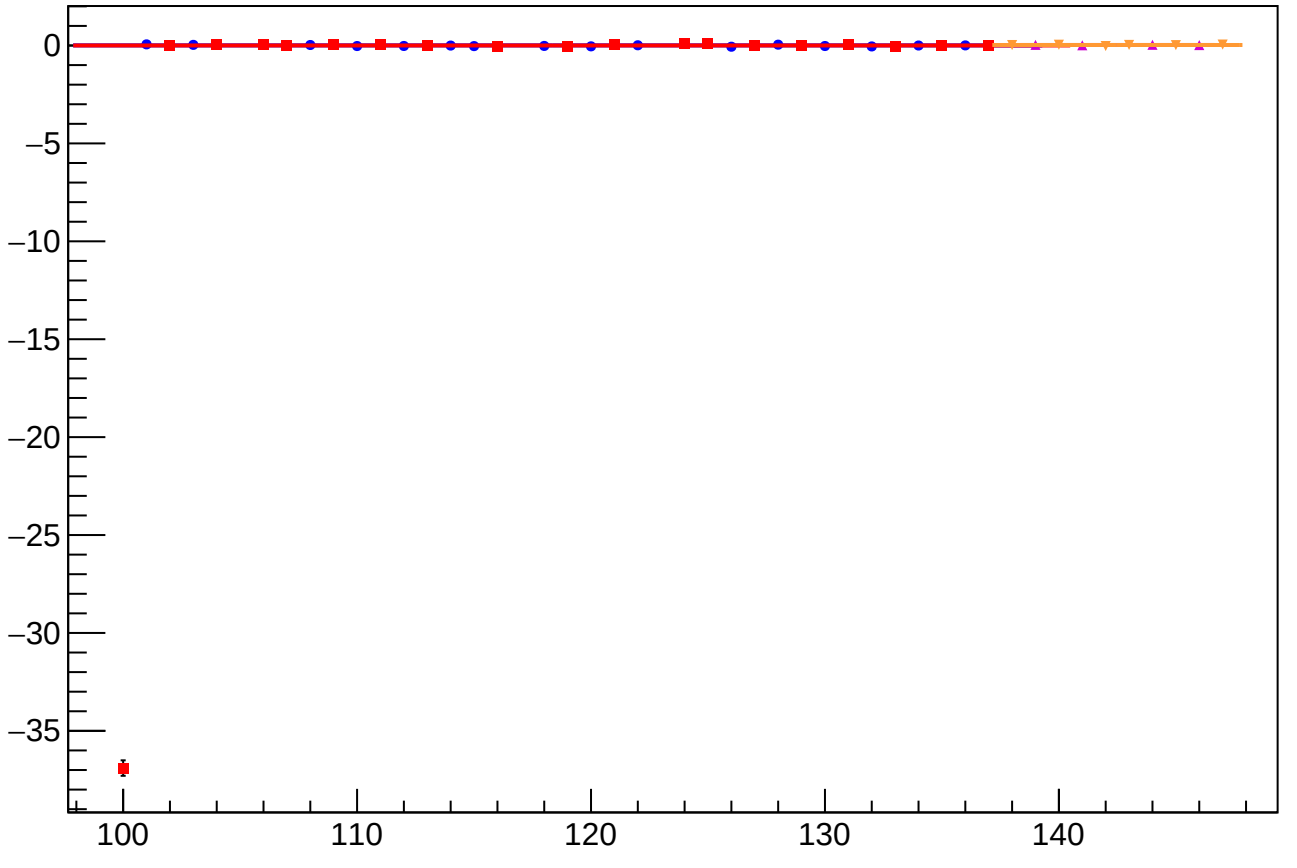
Left: 0.314+/-0.114 χ^2/NDF: 10.1/9

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.154+/-0.104 χ^2/NDF:26.3/19

Out: 0.433+/-0.097 χ^2/NDF:25.6/24

All: 0.303+/-0.071 χ^2/NDF: 55.8/44



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.007 χ^2/NDF:7.0/5

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.027+/-0.008 χ^2/NDF:1.4/3

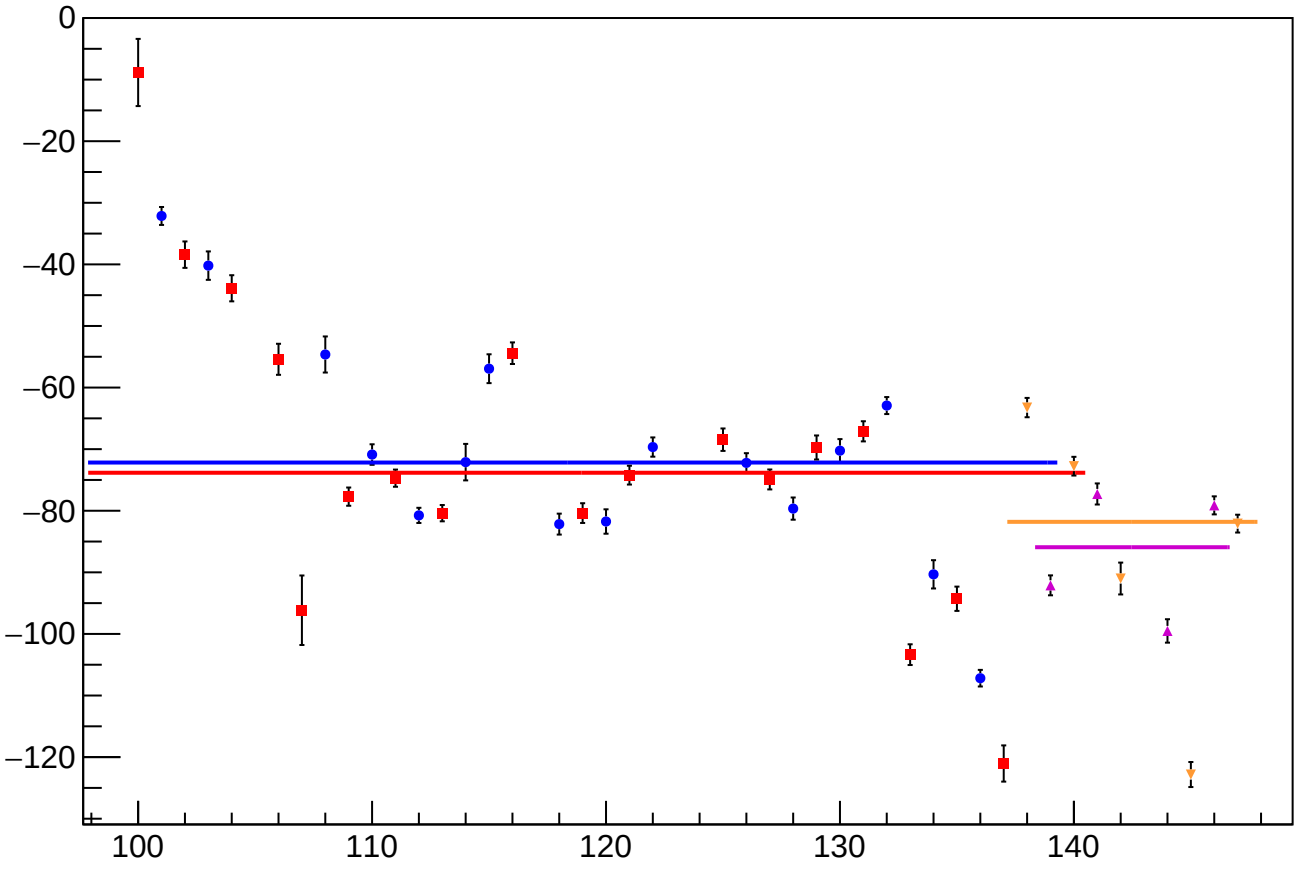
Left: 0.027+/-0.005 χ^2/NDF: 8.5/9

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.016+/-0.005 χ^2/NDF:22.7/19

Out: 0.015+/-0.005 χ^2/NDF:8765.8/24

All: 0.015+/-0.004 χ^2/NDF: 8788.5/44



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -81.801+/-0.765 χ^2/NDF:595.3/4

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -85.923+/-0.826 χ^2/NDF:112.7/3

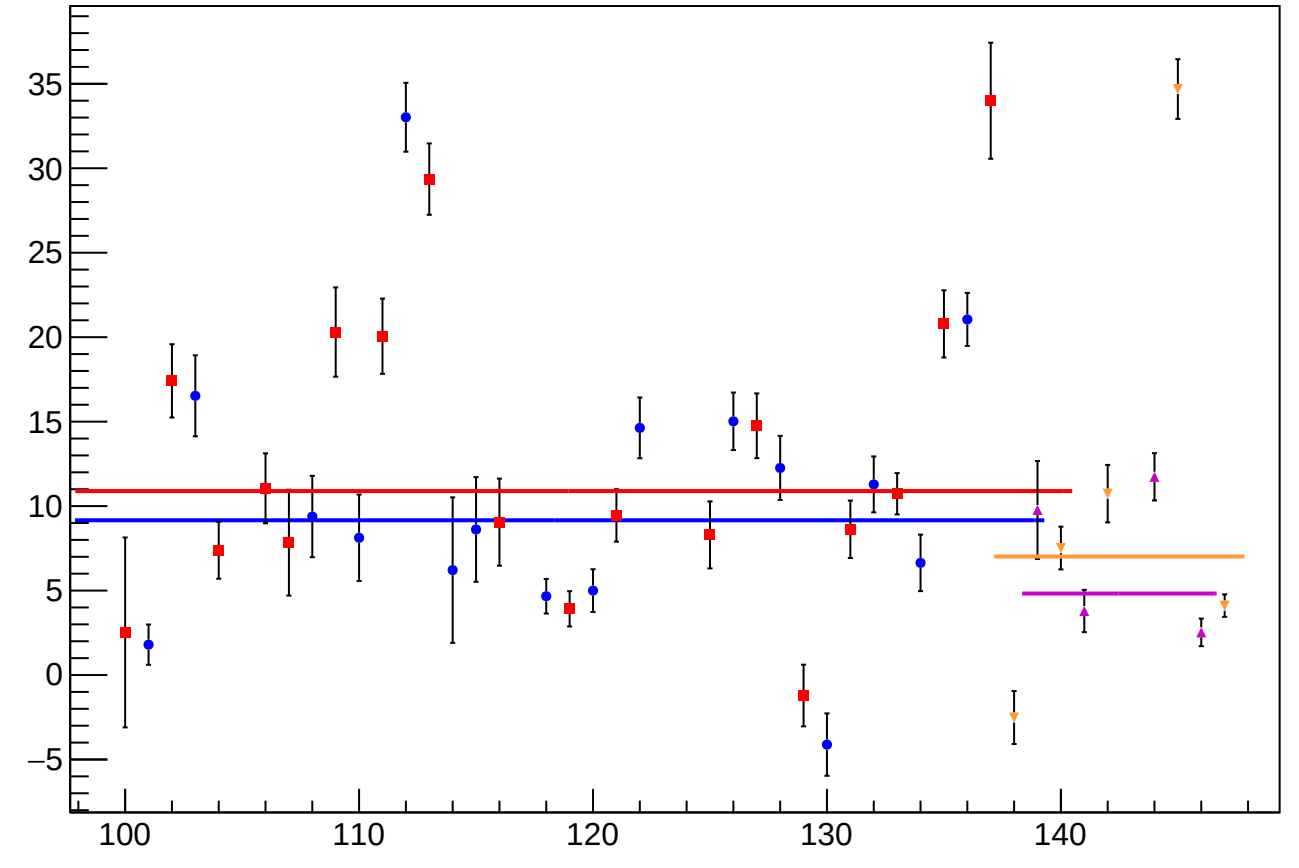
Left: -83.704+/-0.561 χ^2/NDF: 721.5/8

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.126+/-0.383 χ^2/NDF:2266.3/19

Out: -75.748+/-0.375 χ^2/NDF:2235.4/22

All: -75.443+/-0.268 χ^2/NDF: 4503.1/42



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 7.018+/-0.503 χ^2/NDF:306.1/4

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 4.825+/-0.601 χ^2/NDF:35.9/3

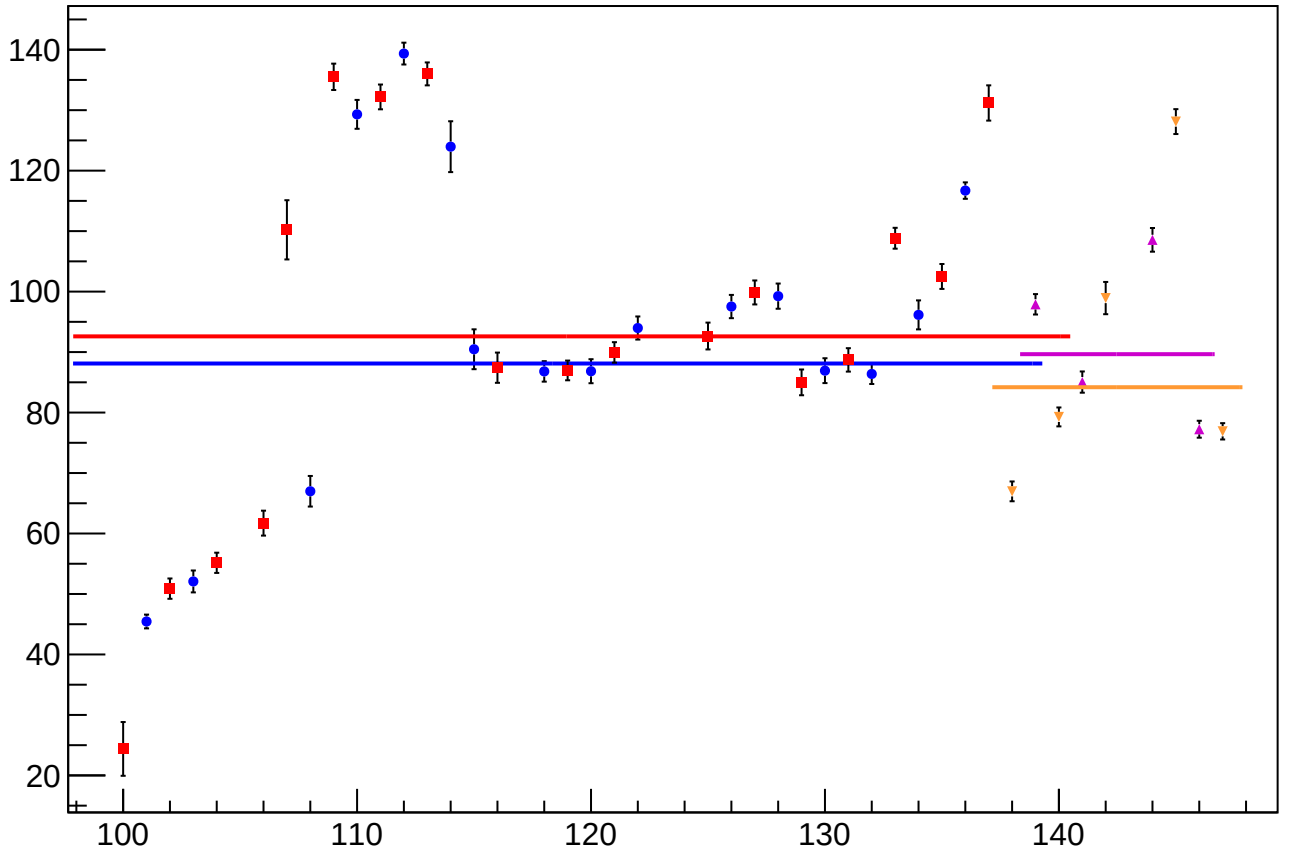
Left: 6.115+/-0.386 χ^2/NDF: 349.9/8

Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 7.715+/-0.347 χ^2/NDF:422.7/19

Out: 9.211+/-0.331 χ^2/NDF:629.9/22

All: 8.498+/-0.240 χ^2/NDF: 1062.4/42



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 84.189+/-0.765 χ^2/NDF:635.6/4

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 89.653+/-0.832 χ^2/NDF:202.5/3

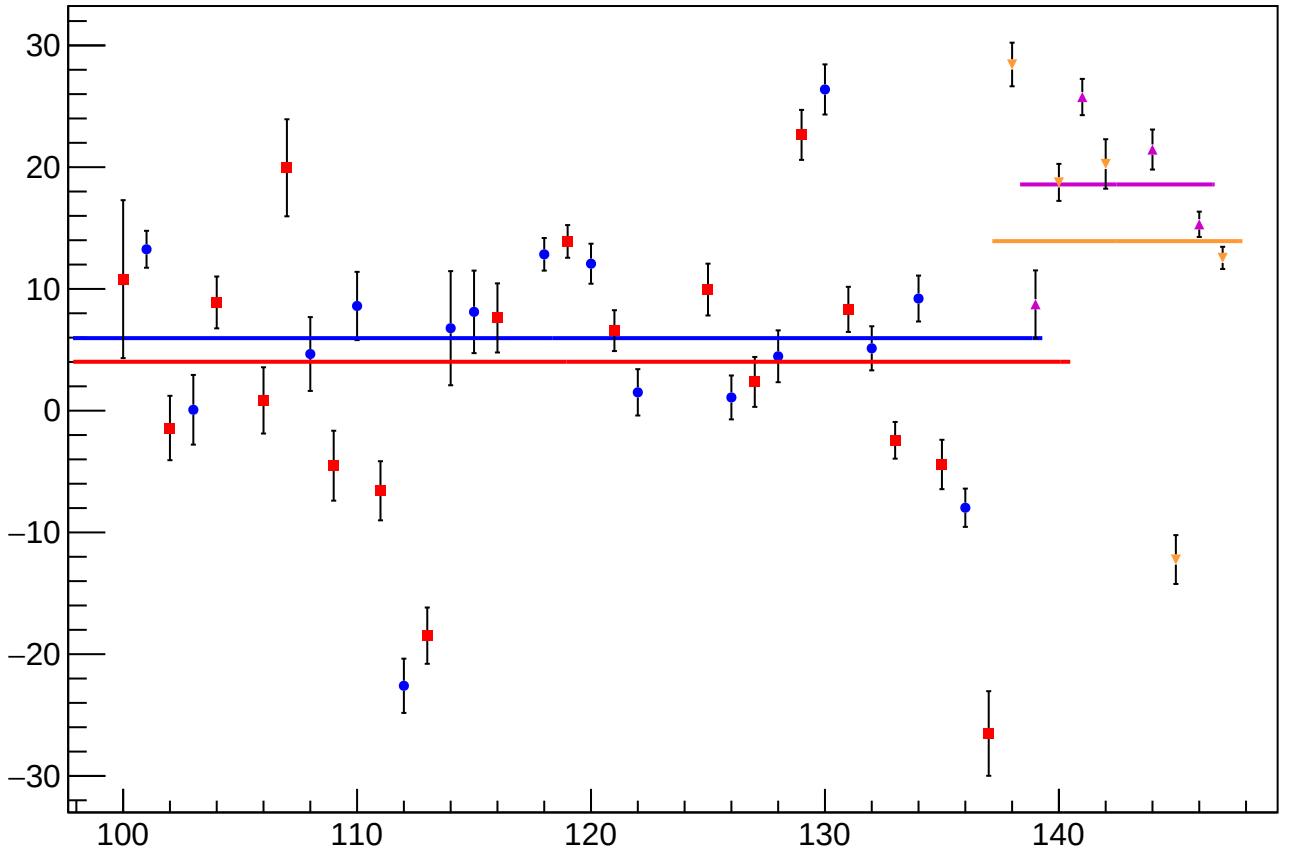
Left: 86.694+/-0.563 χ^2/NDF: 861.5/8

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 88.481+/-0.408 χ^2/NDF:3766.8/19

Out: 90.200+/-0.409 χ^2/NDF:3932.9/22

All: 89.340+/-0.289 χ^2/NDF: 7708.6/42



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 13.926+/-0.641 χ^2/NDF:257.7/4

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 18.581+/-0.730 χ^2/NDF:48.7/3

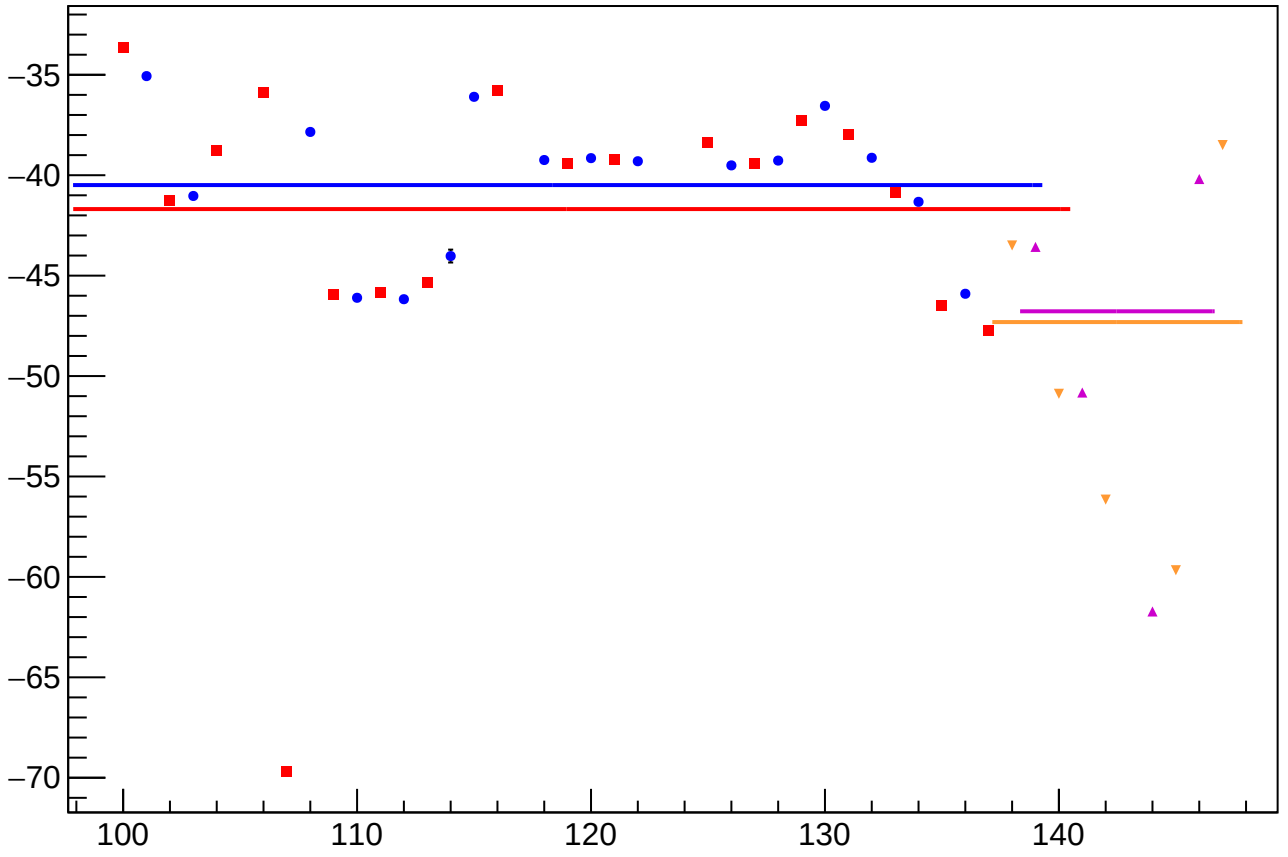
Left: 15.950+/-0.482 χ^2/NDF: 329.4/8

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 9.927+/-0.410 χ^2/NDF:680.2/19

Out: 7.858+/-0.399 χ^2/NDF:822.0/22

All: 8.865+/-0.286 χ^2/NDF: 1515.3/42



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -47.312+/-0.032 χ^2/NDF:57219.5/4

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -46.776+/-0.034 χ^2/NDF:46894.5/3

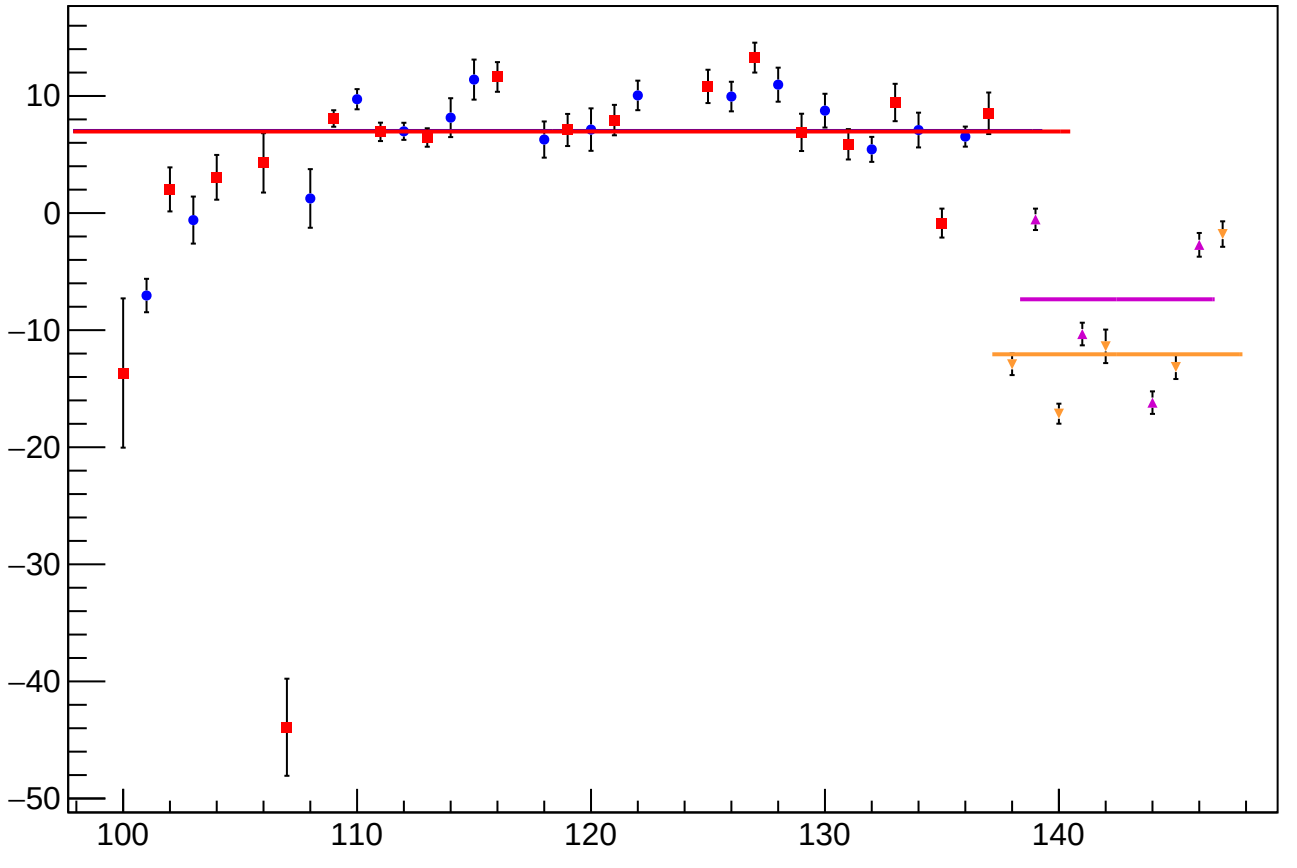
Left: -47.055+/-0.023 χ^2/NDF: 104245.1/8

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -43.085+/-0.022 χ^2/NDF:85360.2/19

Out: -44.211+/-0.022 χ^2/NDF:110661.5/22

All: -43.648+/-0.015 χ^2/NDF: 197366.5/42



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -12.062+/-0.454 χ^2/NDF:126.5/4

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -7.365+/-0.481 χ^2/NDF:170.6/3

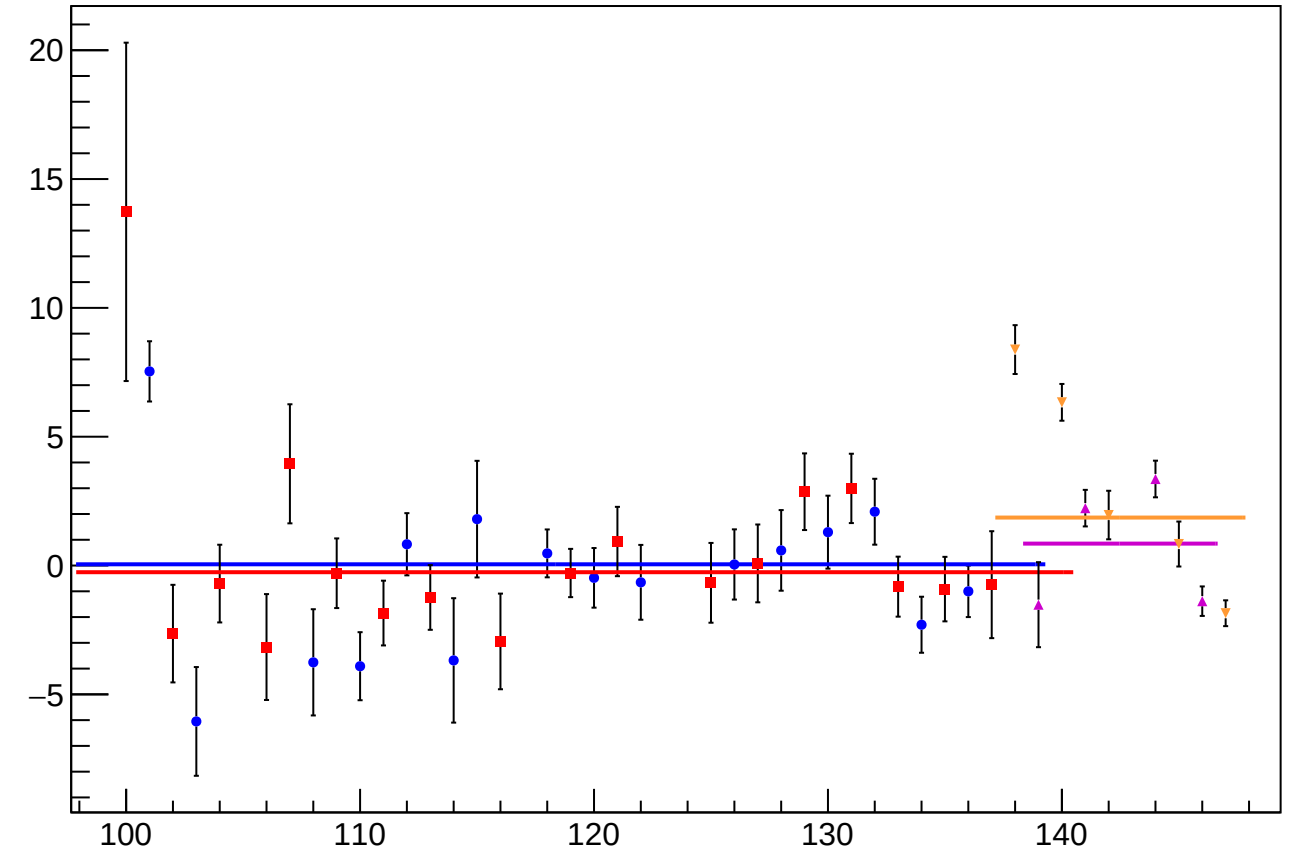
Left: -9.846+/-0.330 χ^2/NDF: 347.4/8

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 2.806+/-0.260 χ^2/NDF:959.0/19

Out: 1.241+/-0.249 χ^2/NDF:1617.9/22

All: 1.990+/-0.180 χ^2/NDF: 2595.7/42



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 1.862+/-0.324 χ^2/NDF:142.9/4

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.851+/-0.368 χ^2/NDF:33.5/3

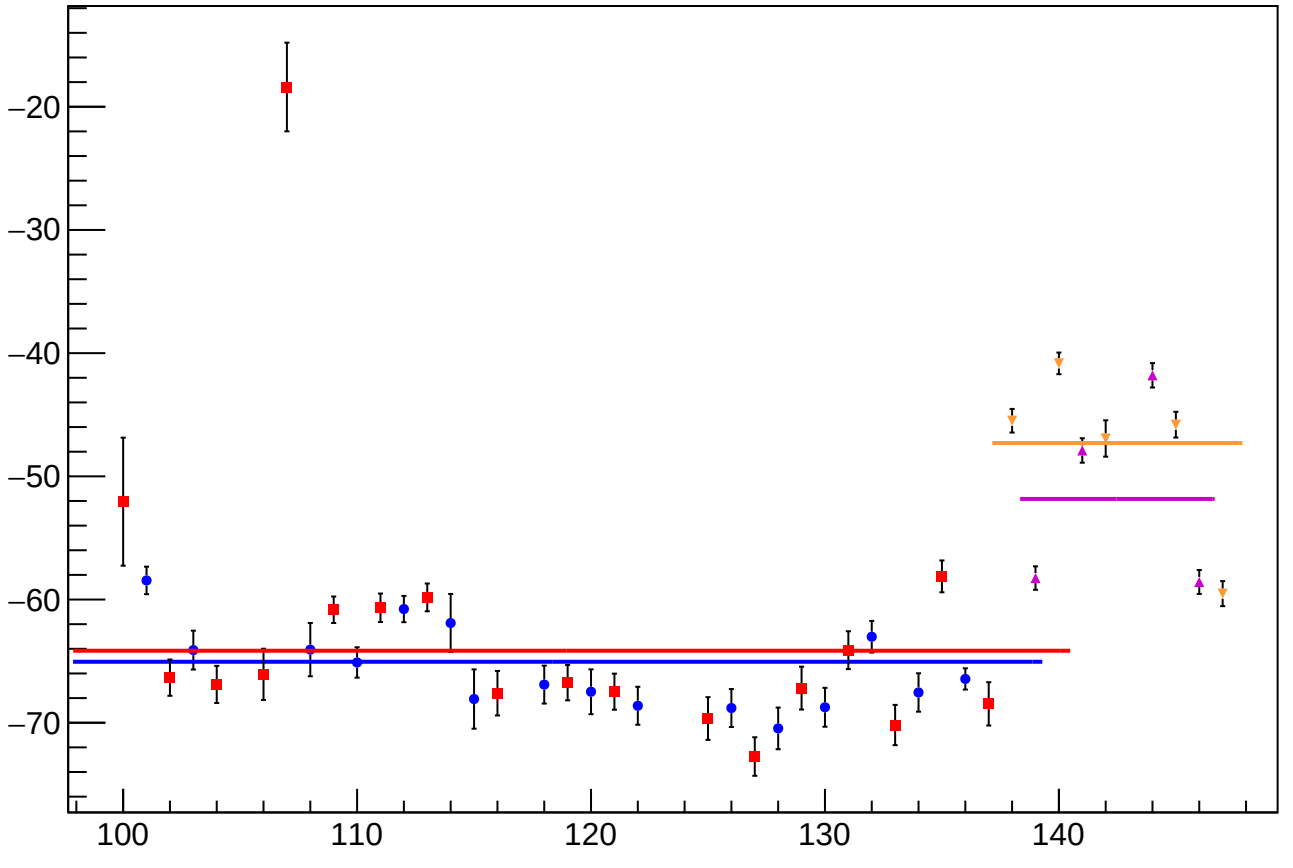
Left: 1.420+/-0.243 χ^2/NDF: 180.6/8

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.408+/-0.246 χ^2/NDF:111.1/19

Out: 0.865+/-0.236 χ^2/NDF:190.5/22

All: 0.646+/-0.170 χ^2/NDF: 303.4/42



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -47.295+/-0.460 χ^2/NDF:204.8/4

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -51.833+/-0.488 χ^2/NDF:212.1/3

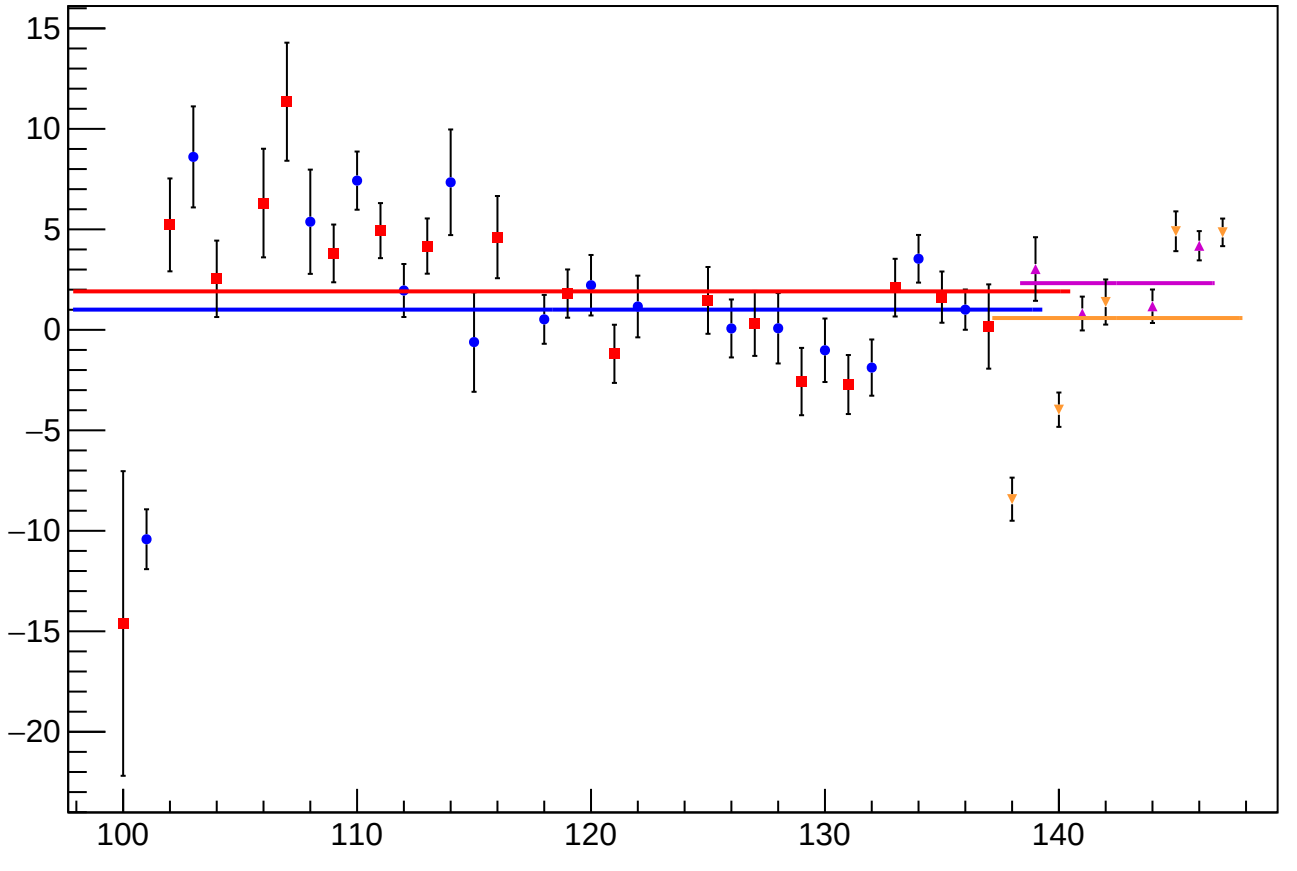
Left: -49.430+/-0.335 χ^2/NDF: 462.7/8

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -60.493+/-0.287 χ^2/NDF:785.6/19

Out: -57.741+/-0.284 χ^2/NDF:1341.0/22

All: -59.103+/-0.202 χ^2/NDF: 2173.2/42



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 0.587+/-0.402 χ^2/NDF:157.2/4

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 2.323+/-0.441 χ^2/NDF:11.9/3

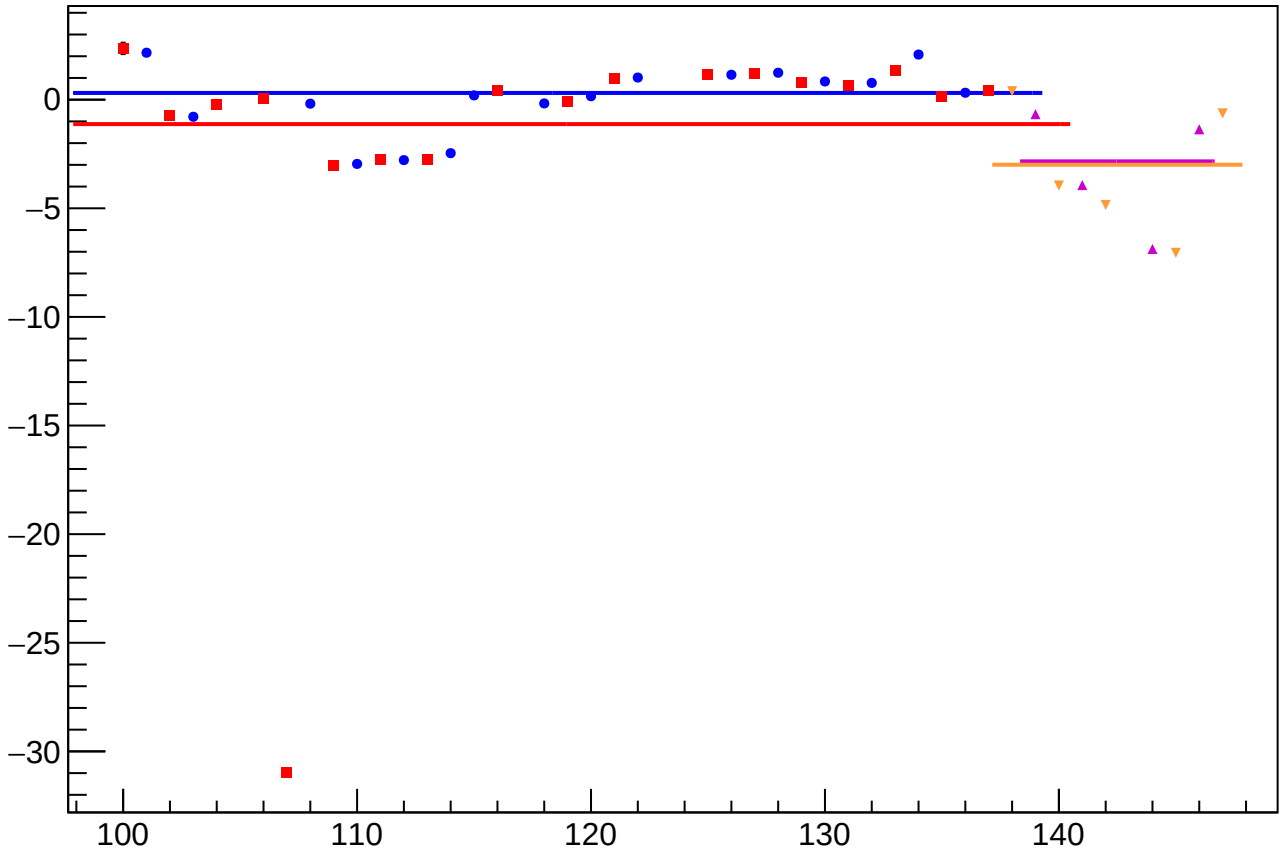
Left: 1.376+/-0.297 χ^2/NDF: 177.5/8

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.560+/-0.286 χ^2/NDF:126.3/19

Out: 1.272+/-0.280 χ^2/NDF:217.3/22

All: 1.413+/-0.200 χ^2/NDF: 344.1/42



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.994+/-0.019 χ^2/NDF:21924.5/4

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -2.839+/-0.020 χ^2/NDF:14345.8/3

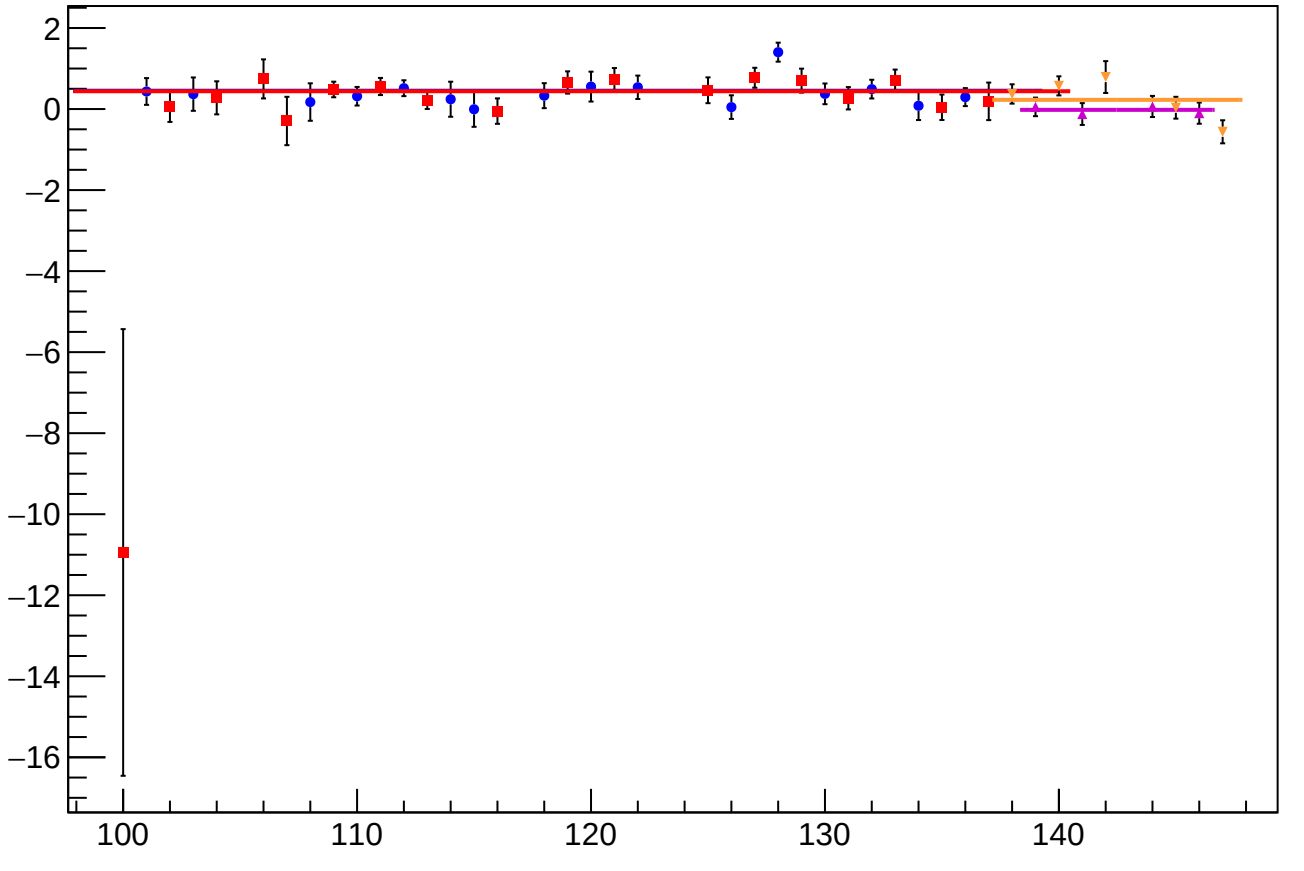
Left: -2.919+/-0.014 χ^2/NDF: 36301.6/8

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

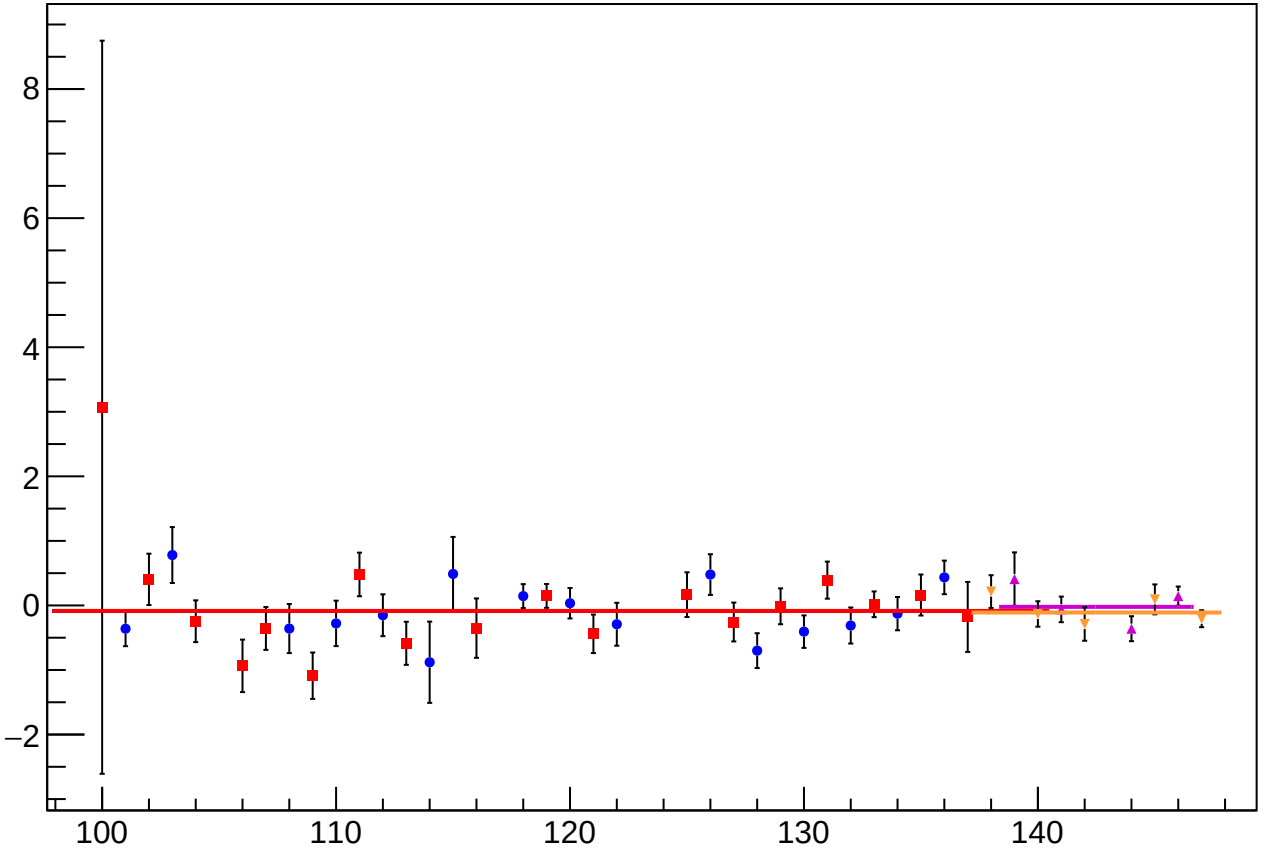
In: -1.364+/-0.014 χ^2/NDF:31080.1/19

Out: -2.194+/-0.015 χ^2/NDF:72326.5/22

All: -1.776+/-0.010 χ^2/NDF: 105049.1/42


reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
100
110
120
130
140
Right In: 0.452+/-0.071 χ²/NDF: 22.6/15
Left Out: 0.227+/-0.121 χ²/NDF:12.8/4
Right Out: 0.440+/-0.070 χ²/NDF: 18.5/17
Left In: -0.020+/-0.127 χ²/NDF:0.4/3
Left: 0.110+/-0.088 χ²/NDF: 15.2/8
Right: 0.446+/-0.050 χ²/NDF: 41.2/33
In: 0.339+/-0.062 χ²/NDF:33.6/19
Out: 0.387+/-0.060 χ²/NDF:33.6/22
All: 0.364+/-0.043 χ²/NDF: 67.6/42

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: -0.110+/-0.087 χ^2/NDF:3.4/4

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.022+/-0.098 χ^2/NDF:5.4/3

Left: -0.071+/-0.065 χ^2/NDF: 9.3/8

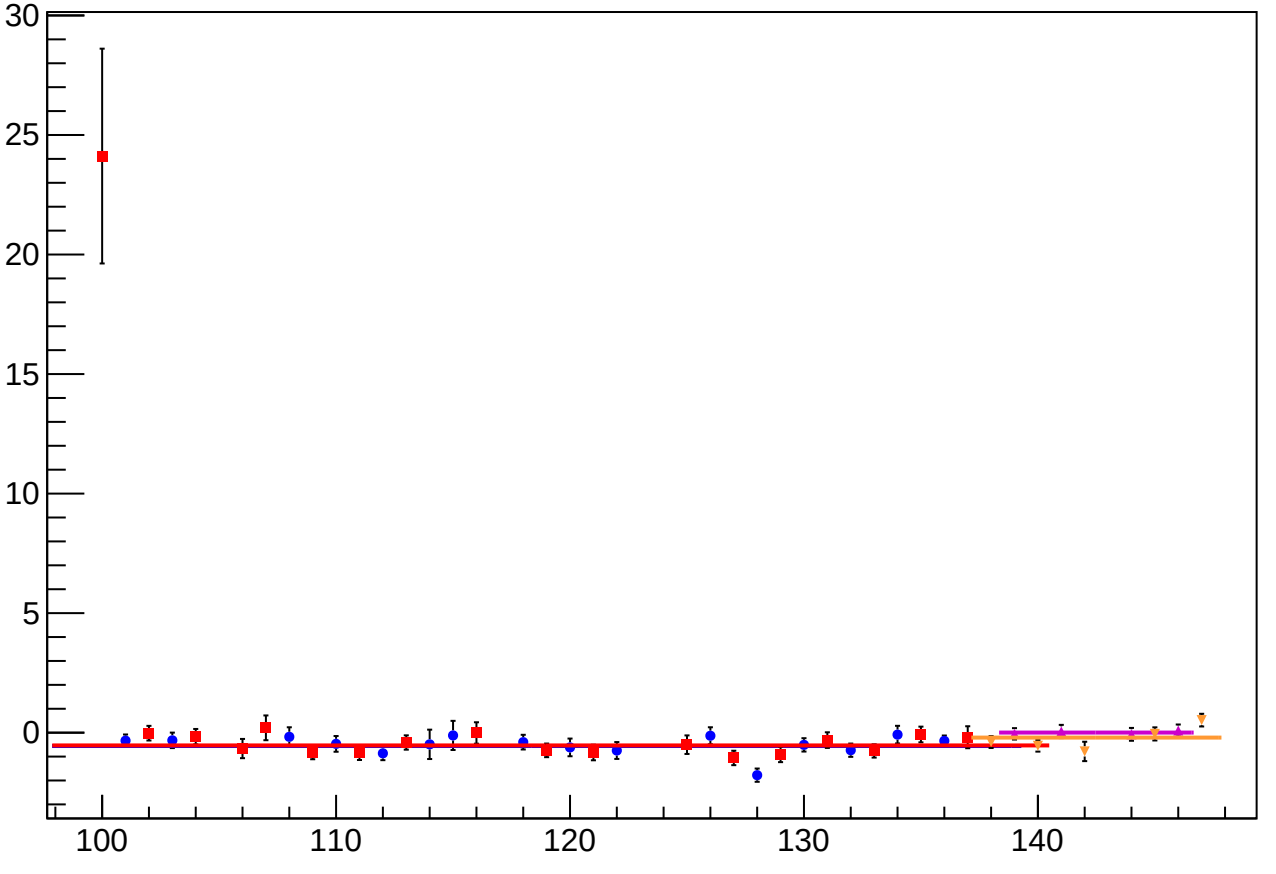
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.063+/-0.059 χ^2/NDF:31.1/19

Out: -0.096+/-0.056 χ^2/NDF:31.3/22

All: -0.080+/-0.041 χ^2/NDF: 62.6/42

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: -0.206+/-0.122 χ^2/NDF:12.5/4

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: 0.004+/-0.129 χ^2/NDF:0.3/3

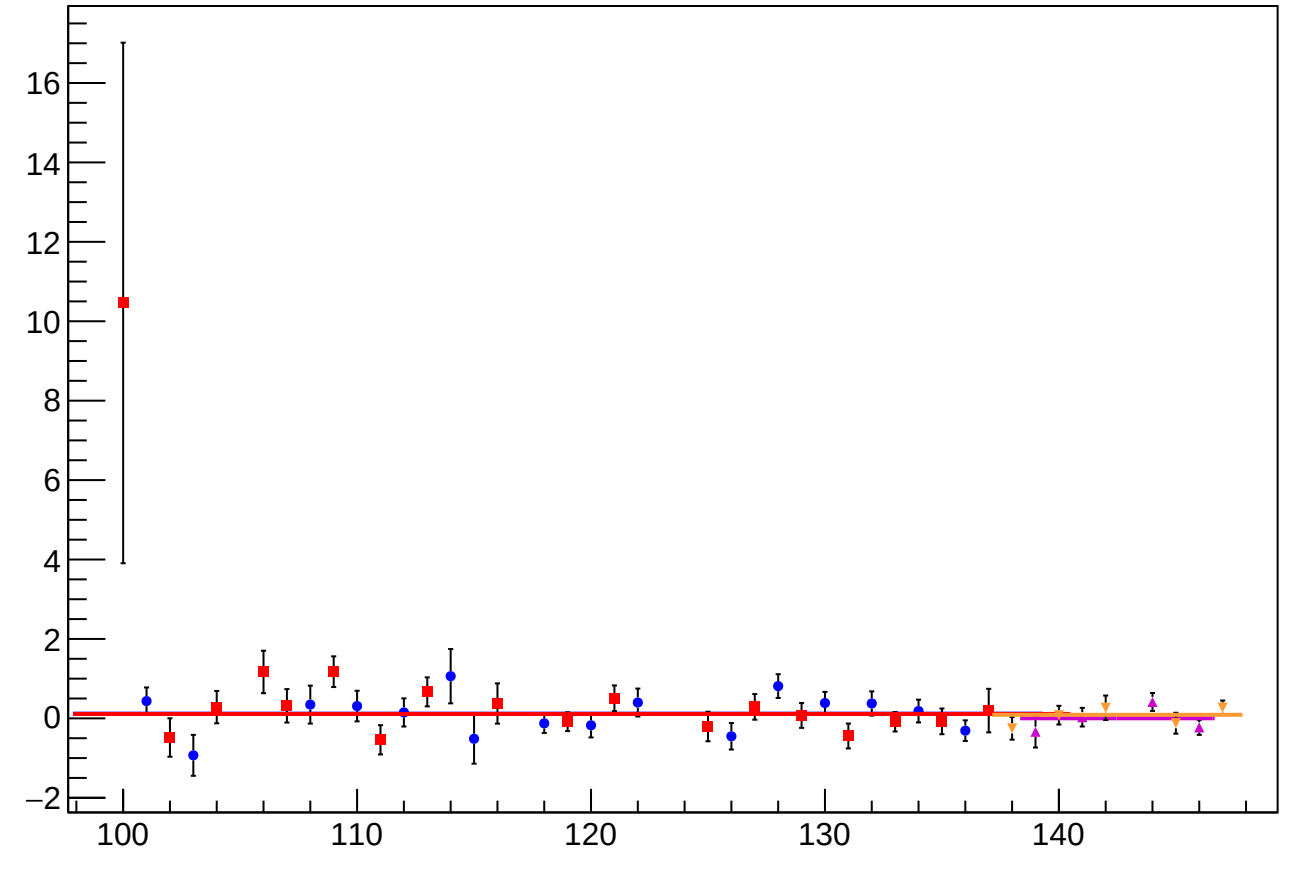
Left: -0.106+/-0.089 χ^2/NDF: 14.2/8

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.402+/-0.068 χ^2/NDF:42.4/19

Out: -0.435+/-0.067 χ^2/NDF:66.7/22

All: -0.419+/-0.048 χ^2/NDF: 109.2/42



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: 0.090+/-0.108 χ^2/NDF:3.4/4

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.002+/-0.118 χ^2/NDF:5.5/3

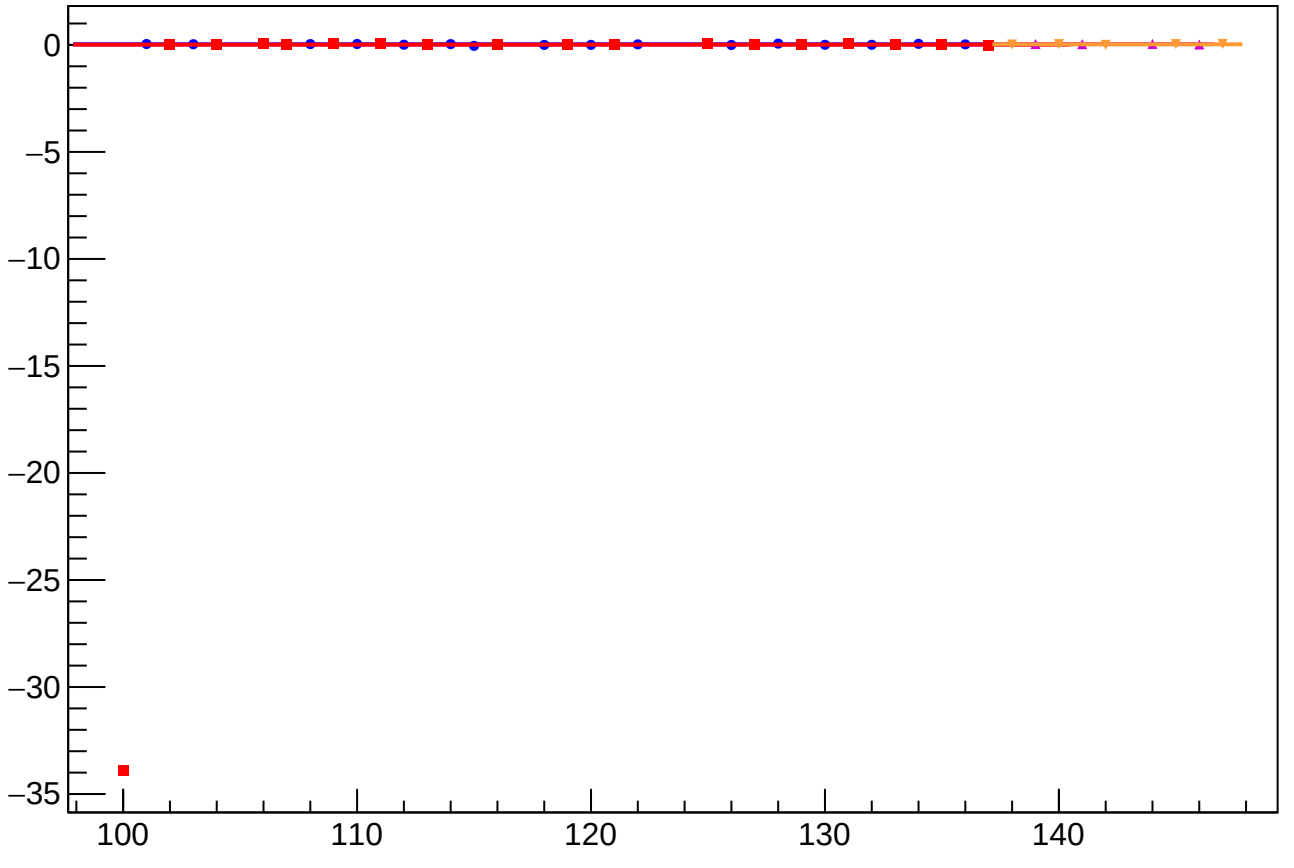
Left: 0.050+/-0.079 χ^2/NDF: 9.3/8

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.079+/-0.068 χ^2/NDF:29.8/19

Out: 0.103+/-0.067 χ^2/NDF:32.4/22

All: 0.091+/-0.048 χ^2/NDF: 62.3/42



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.005 χ^2/NDF:7.3/4

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.037+/-0.005 χ^2/NDF:3.5/3

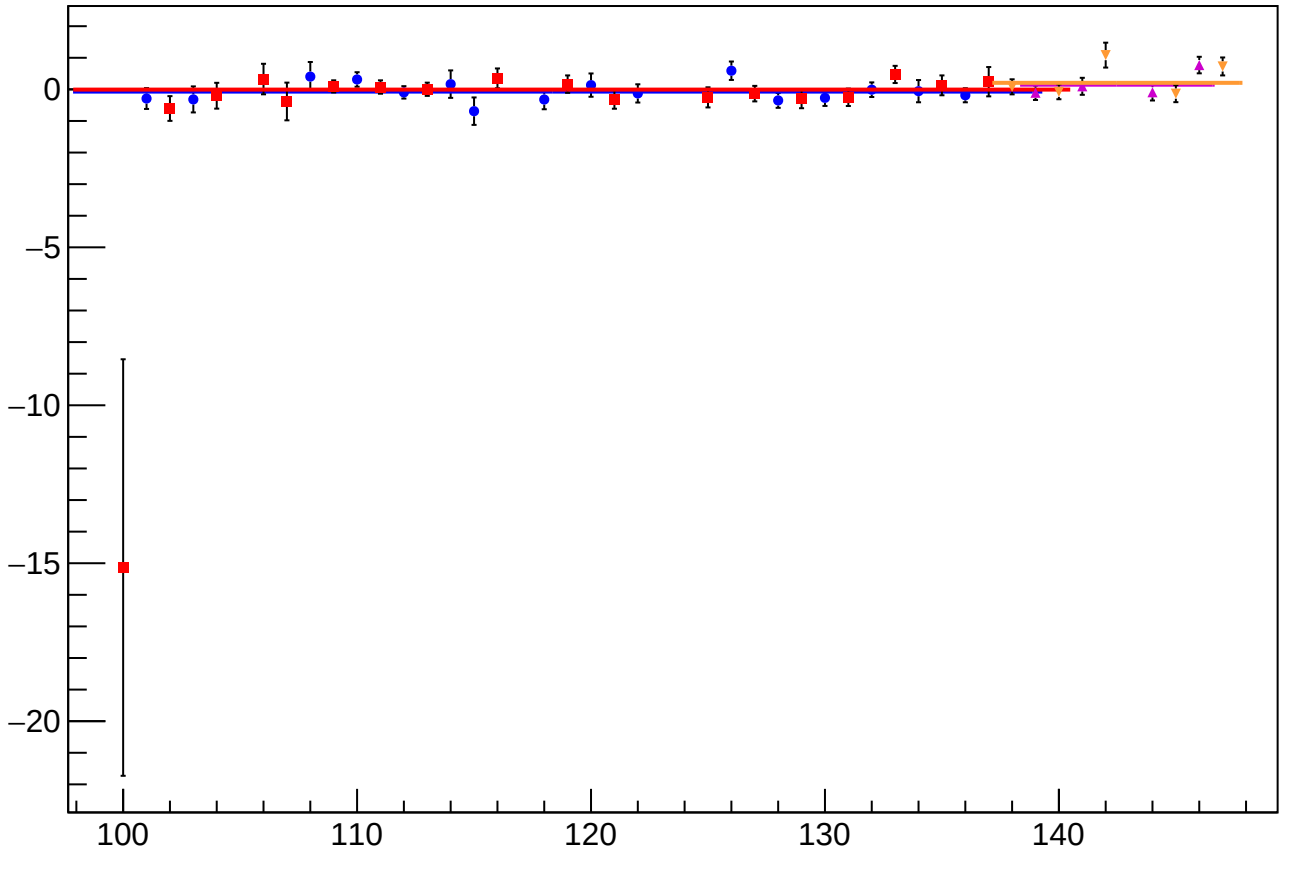
Left: 0.033+/-0.004 χ^2/NDF: 12.3/8

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.032+/-0.004 χ^2/NDF:20.0/19

Out: 0.020+/-0.004 χ^2/NDF:22274.8/22

All: 0.026+/-0.003 χ^2/NDF: 22300.8/42



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.207+/-0.121 χ^2/NDF:11.6/4

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.148+/-0.127 χ^2/NDF:7.8/3

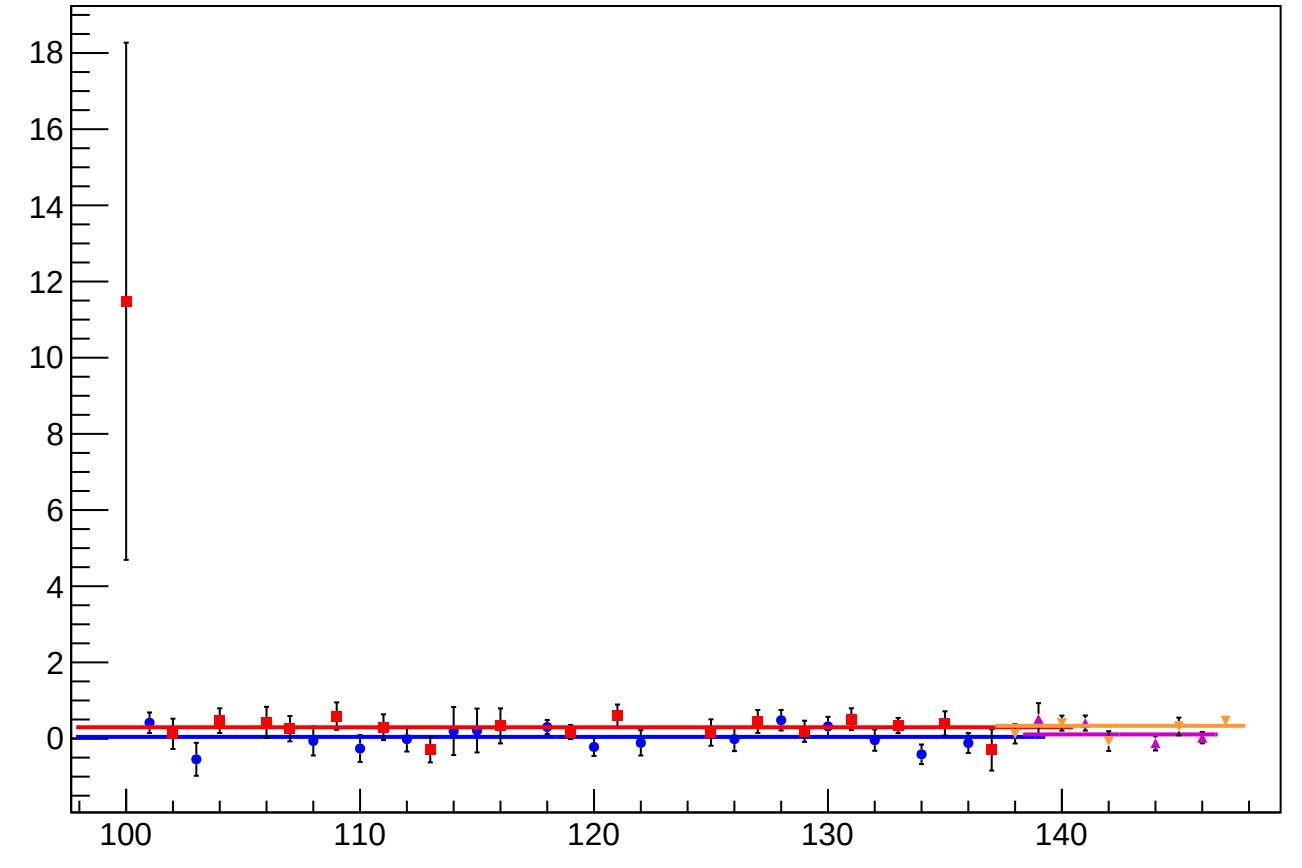
Left: 0.179+/-0.088 χ^2/NDF: 19.5/8

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: -0.018+/-0.062 χ^2/NDF:25.5/19

Out: 0.046+/-0.060 χ^2/NDF:32.1/22

All: 0.015+/-0.043 χ^2/NDF: 58.2/42



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.335+/-0.087 χ^2/NDF:4.3/4

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.109+/-0.098 χ^2/NDF:5.0/3

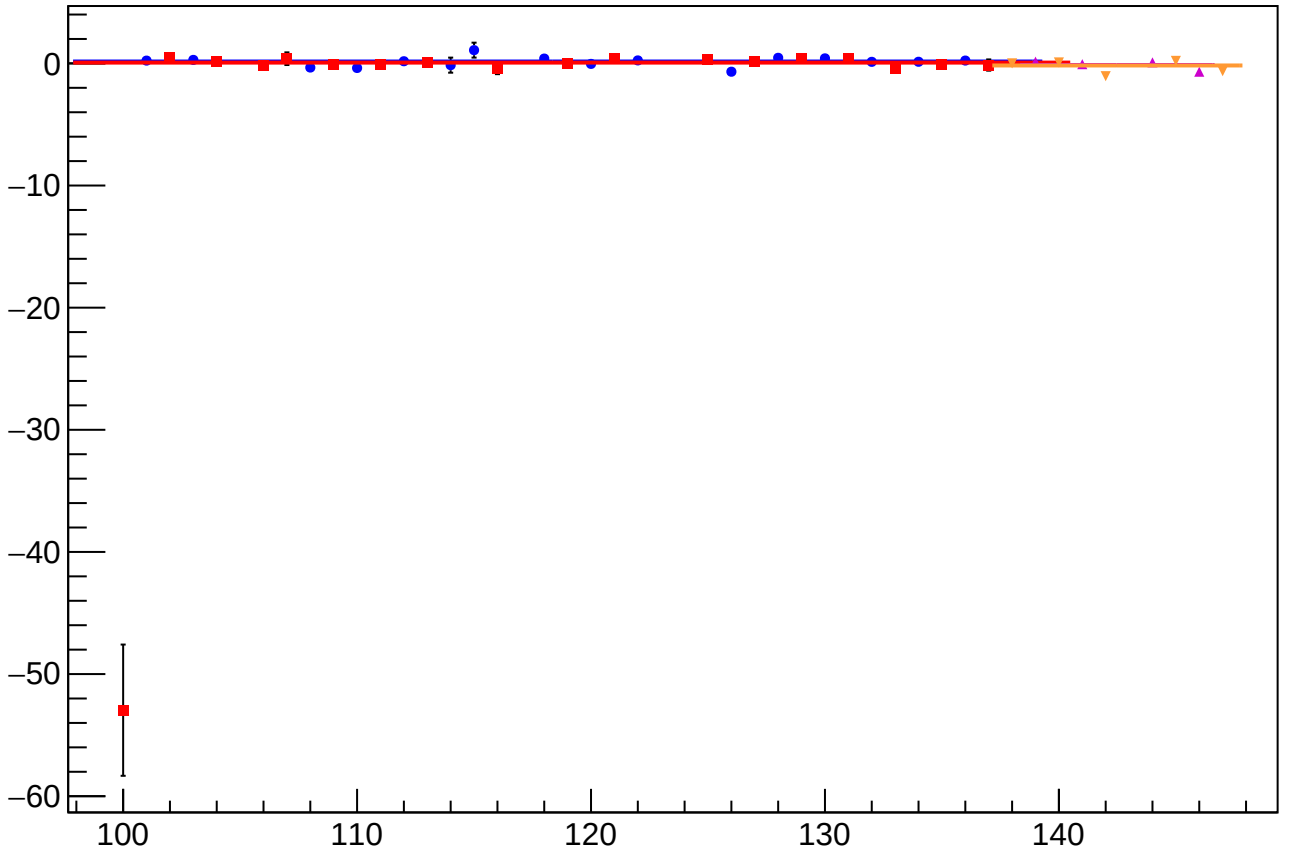
Left: 0.236+/-0.065 χ^2/NDF: 12.2/8

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.067+/-0.059 χ^2/NDF:21.0/19

Out: 0.312+/-0.056 χ^2/NDF:15.4/22

All: 0.195+/-0.041 χ^2/NDF: 45.5/42



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.170+/-0.122 χ^2/NDF:11.2/4

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.132+/-0.129 χ^2/NDF:6.8/3

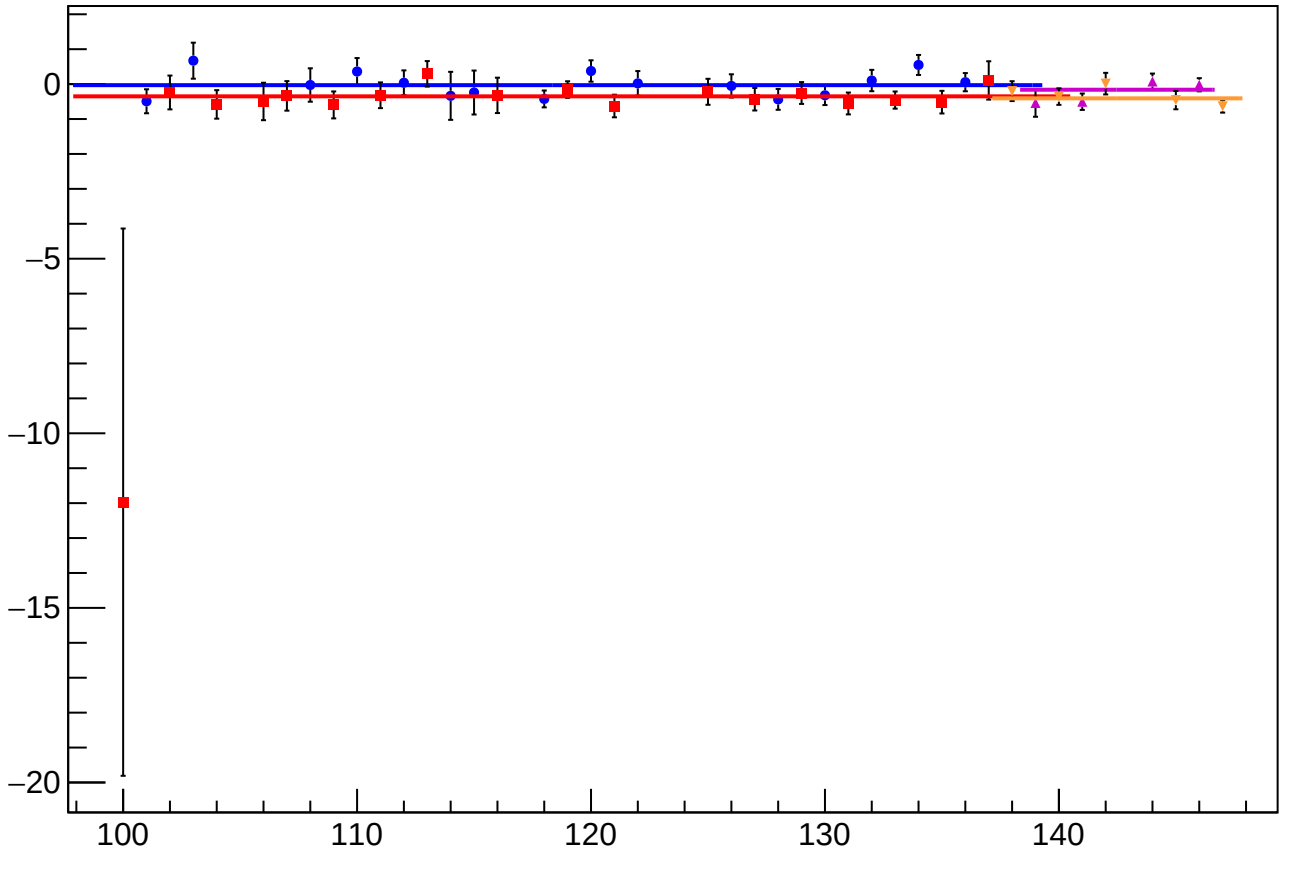
Left: -0.152+/-0.089 χ^2/NDF: 18.1/8

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.074+/-0.068 χ^2/NDF:26.0/19

Out: -0.006+/-0.067 χ^2/NDF:123.1/22

All: 0.034+/-0.048 χ^2/NDF: 149.7/42



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.408+/-0.108 χ^2/NDF:4.1/4

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.161+/-0.118 χ^2/NDF:4.7/3

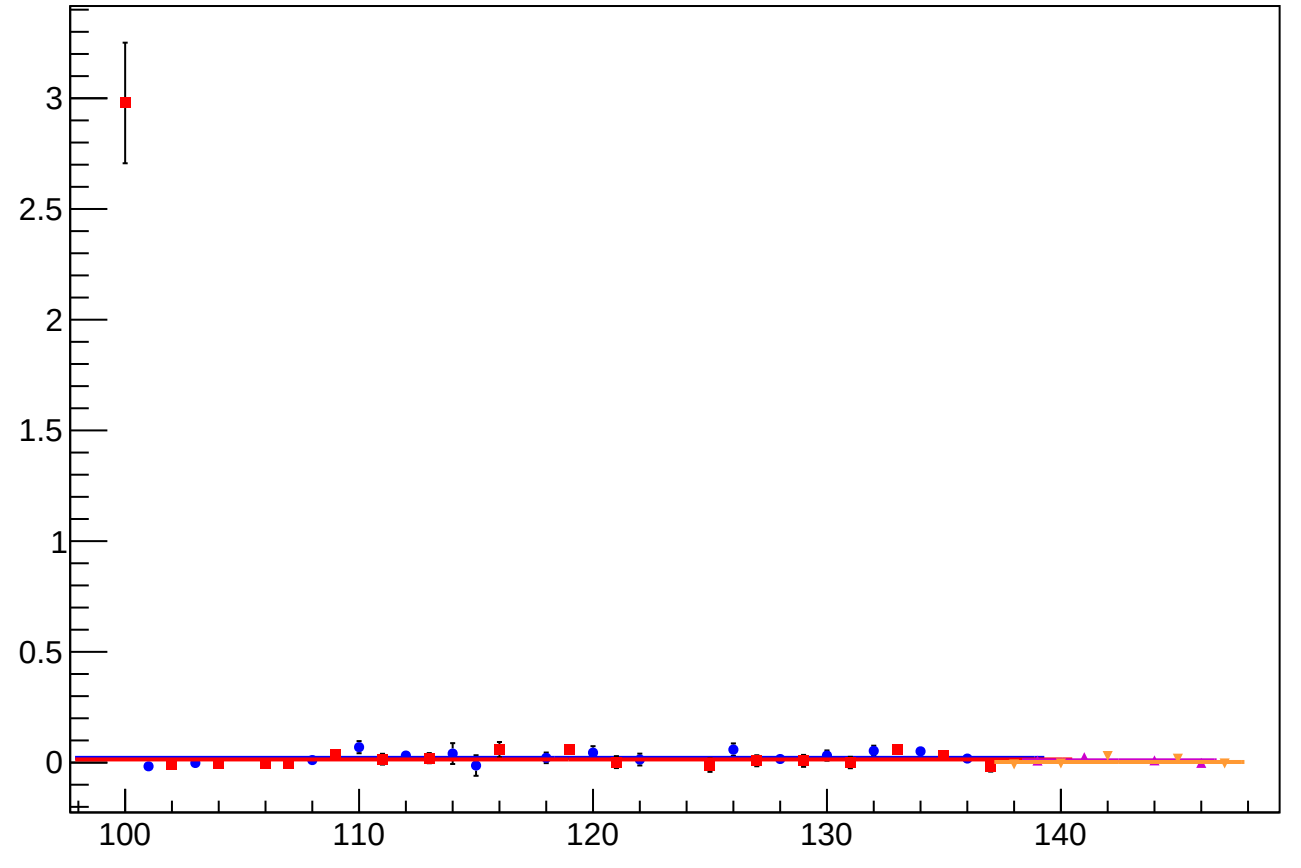
Left: -0.296+/-0.079 χ^2/NDF: 11.2/8

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.074+/-0.068 χ^2/NDF:22.3/19

Out: -0.372+/-0.067 χ^2/NDF:13.7/22

All: -0.227+/-0.048 χ^2/NDF: 45.8/42



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.003+/-0.005 χ^2/NDF:6.5/4

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.010+/-0.005 χ^2/NDF:2.7/3

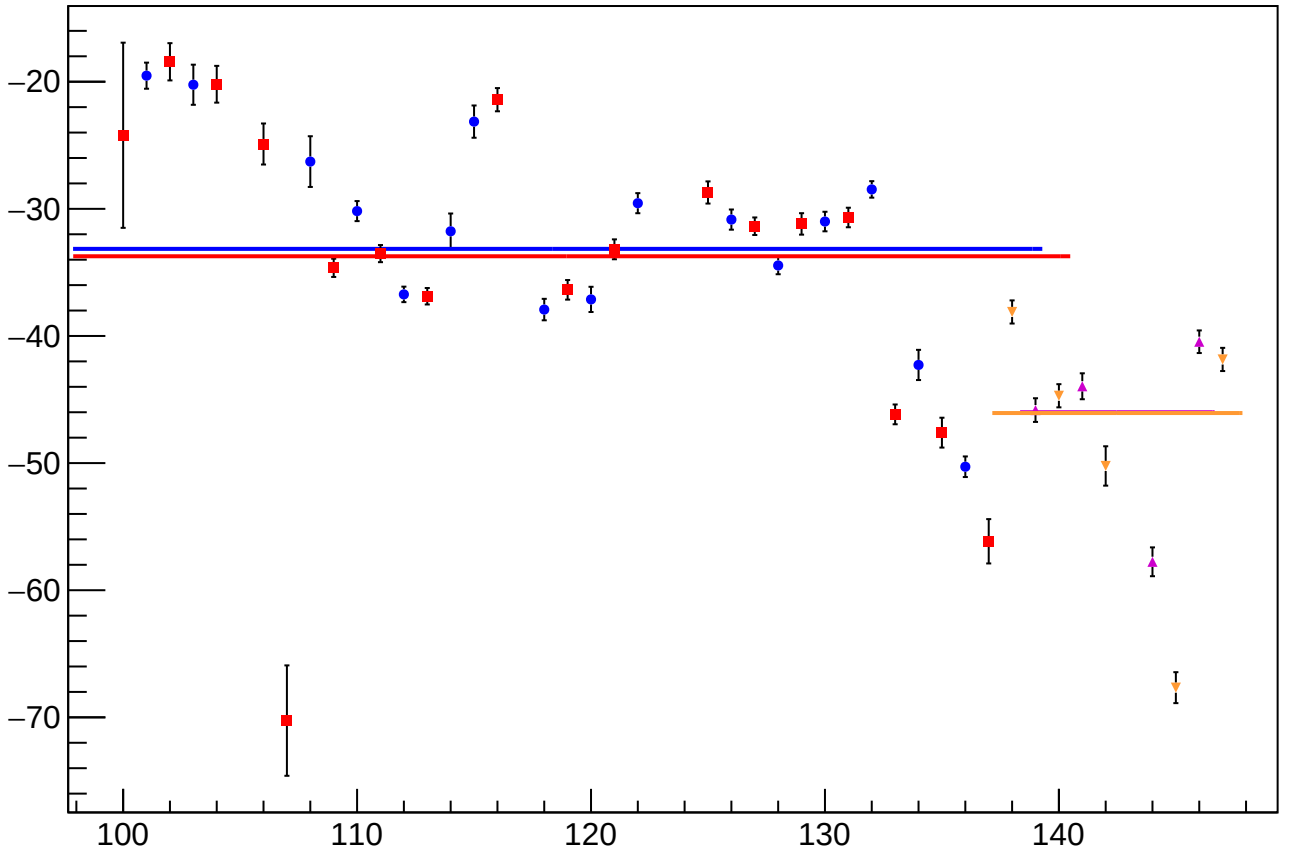
Left: 0.006+/-0.004 χ^2/NDF: 10.3/8

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.016+/-0.004 χ^2/NDF:27.7/19

Out: 0.009+/-0.004 χ^2/NDF:150.0/22

All: 0.012+/-0.003 χ^2/NDF: 180.0/42



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -46.062+/-0.461 χ^2/NDF:422.0/4

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -45.996+/-0.491 χ^2/NDF:150.6/3

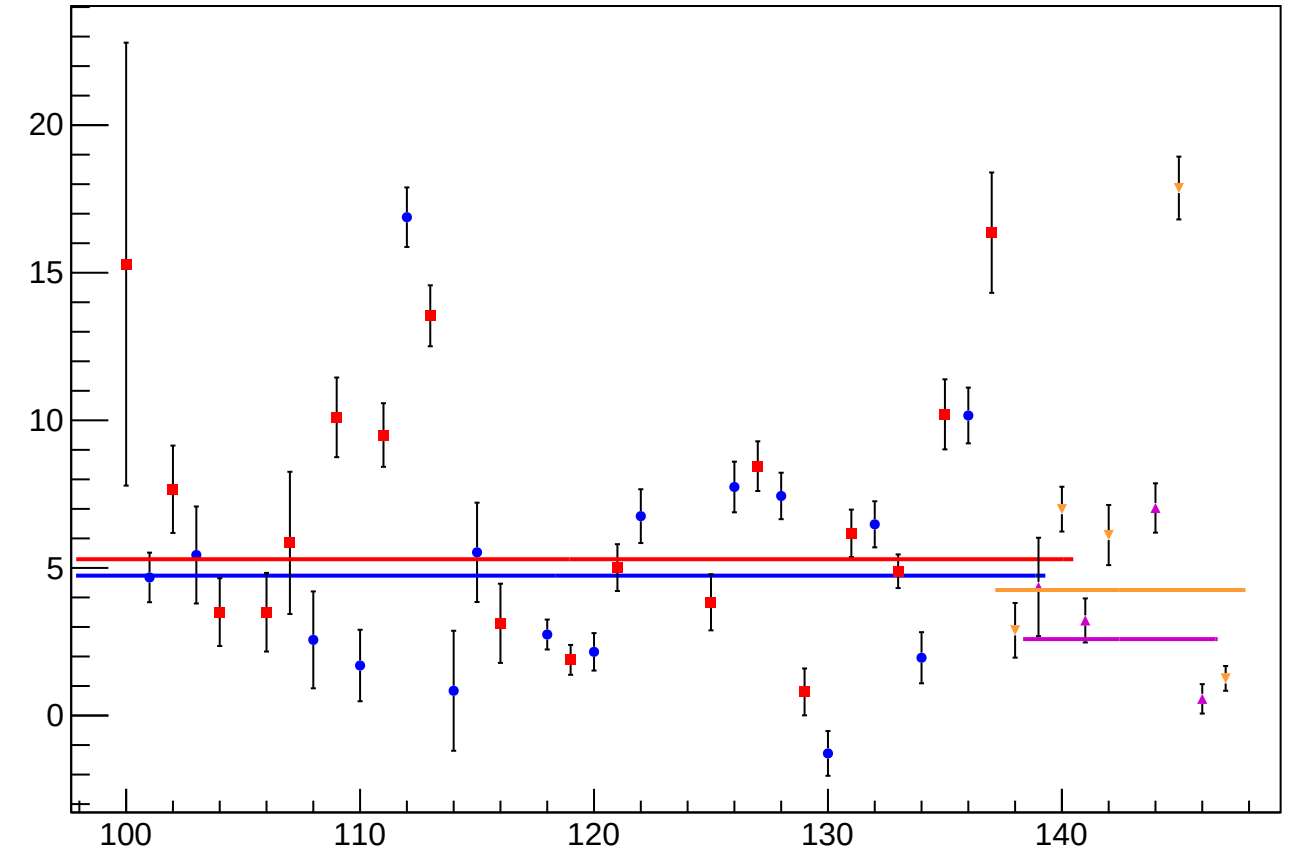
Left: -46.031+/-0.336 χ^2/NDF: 572.6/8

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -35.266+/-0.199 χ^2/NDF:1737.3/19

Out: -35.931+/-0.195 χ^2/NDF:2158.4/22

All: -35.606+/-0.139 χ^2/NDF: 3901.4/42



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 4.252+/-0.310 χ^2/NDF:233.2/4

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 2.589+/-0.362 χ^2/NDF:46.6/3

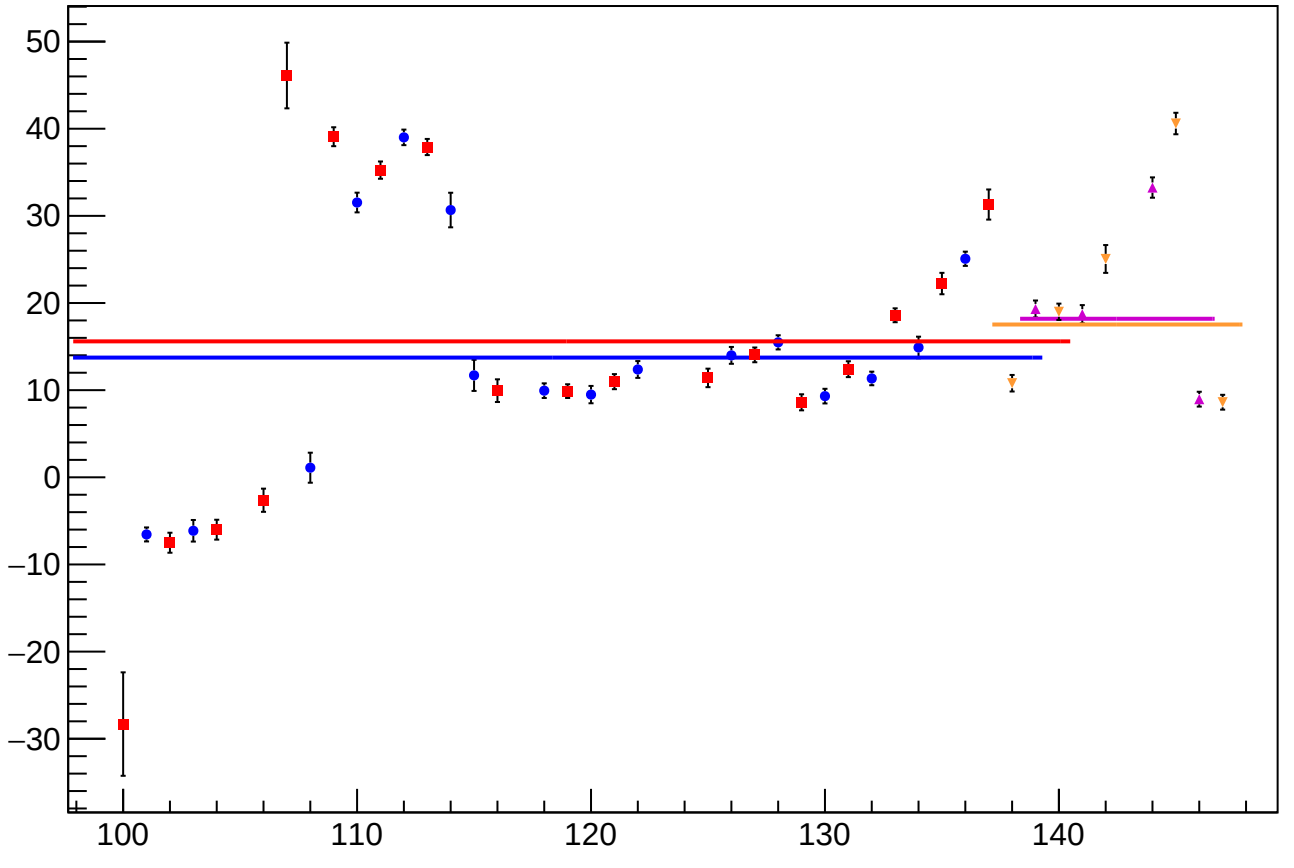
Left: 3.550+/-0.235 χ^2/NDF: 292.0/8

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 4.163+/-0.188 χ^2/NDF:402.0/19

Out: 4.938+/-0.181 χ^2/NDF:485.7/22

All: 4.564+/-0.130 χ^2/NDF: 896.5/42



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 17.534+/-0.462 χ^2/NDF:535.1/4

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 18.193+/-0.495 χ^2/NDF:285.4/3

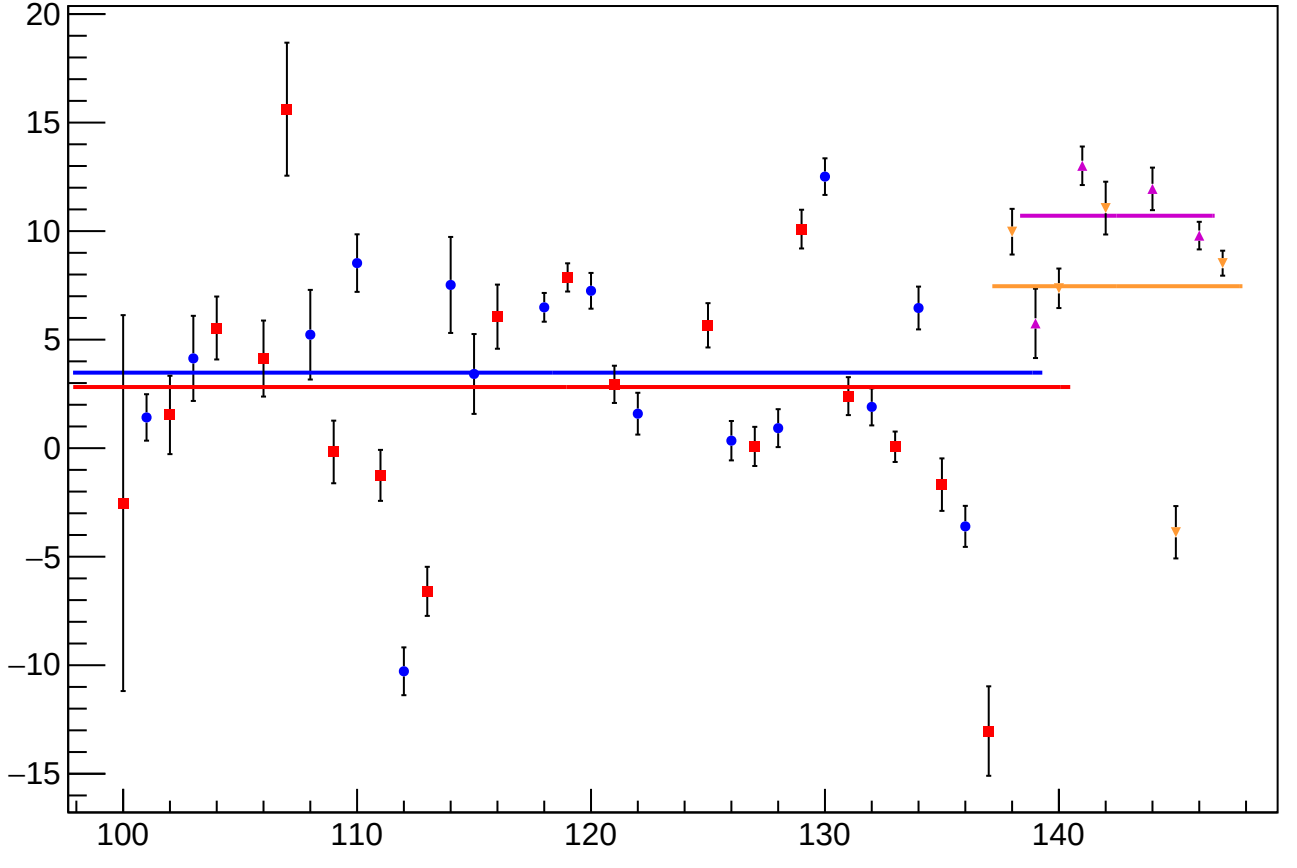
Left: 17.841+/-0.338 χ^2/NDF: 821.5/8

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 14.625+/-0.221 χ^2/NDF:2700.2/19

Out: 16.037+/-0.220 χ^2/NDF:3375.0/22

All: 15.334+/-0.156 χ^2/NDF: 6095.7/42



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 7.461+/-0.392 χ^2/NDF:106.2/4

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 10.708+/-0.439 χ^2/NDF:20.0/3

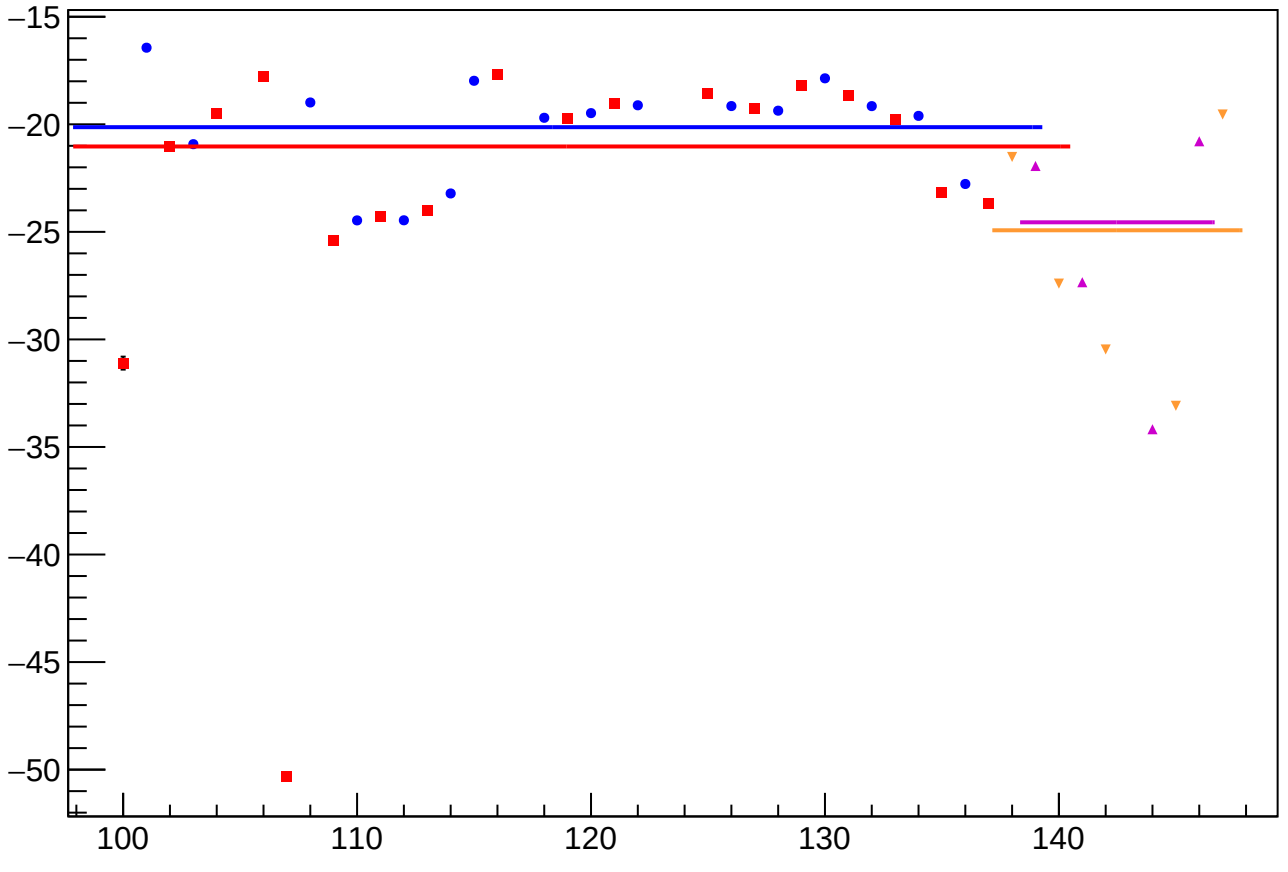
Left: 8.902+/-0.293 χ^2/NDF: 156.6/8

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 5.286+/-0.220 χ^2/NDF:650.7/19

Out: 4.213+/-0.215 χ^2/NDF:549.4/22

All: 4.738+/-0.154 χ^2/NDF: 1212.3/42



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -24.927+/-0.019 χ^2/NDF:67281.4/4

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -24.556+/-0.020 χ^2/NDF:54249.7/3

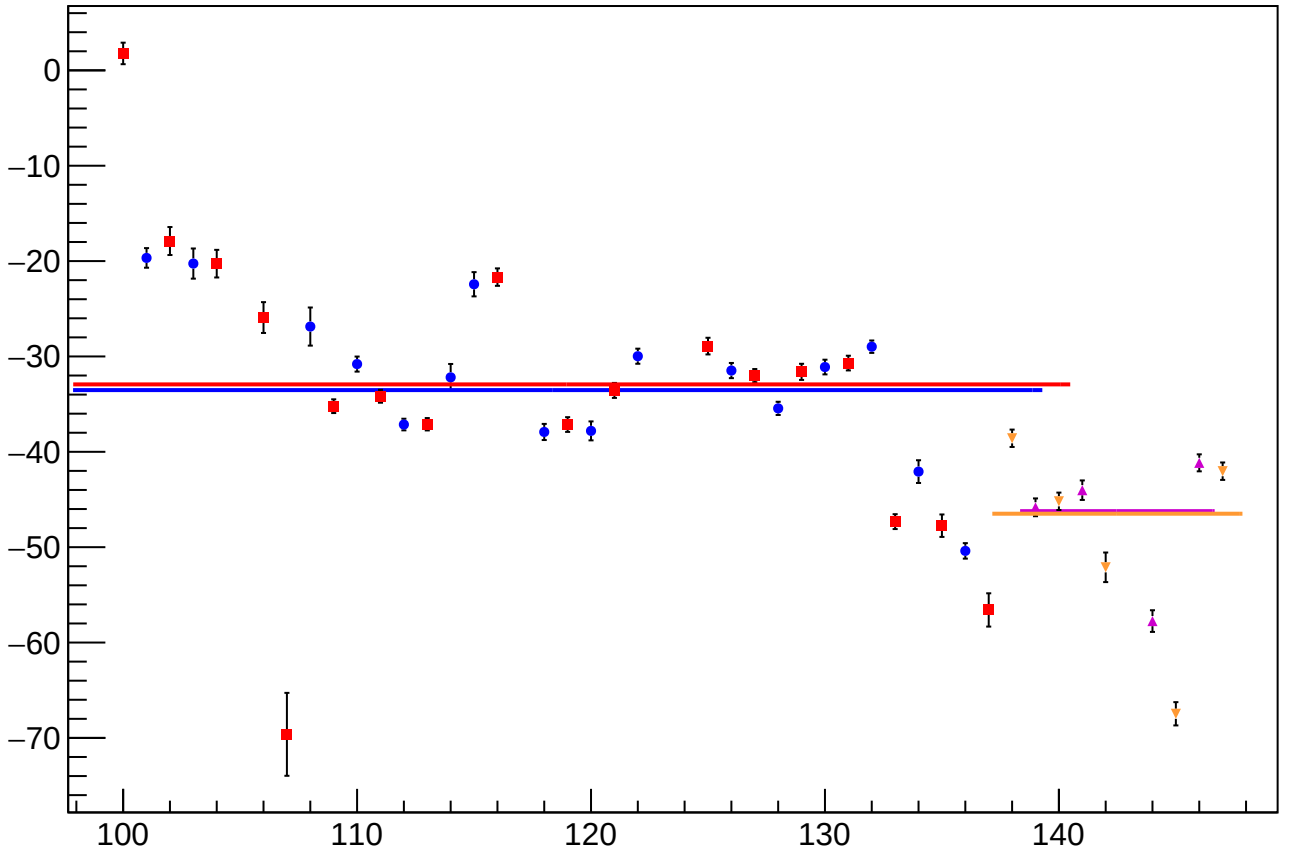
Left: -24.746+/-0.014 χ^2/NDF: 121707.5/8

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.860+/-0.013 χ^2/NDF:103853.1/19

Out: -22.652+/-0.013 χ^2/NDF:148138.3/22

All: -22.254+/-0.009 χ^2/NDF: 253986.7/42



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -46.491+/-0.462 χ^2/NDF:410.0/4

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -46.220+/-0.492 χ^2/NDF:140.2/3

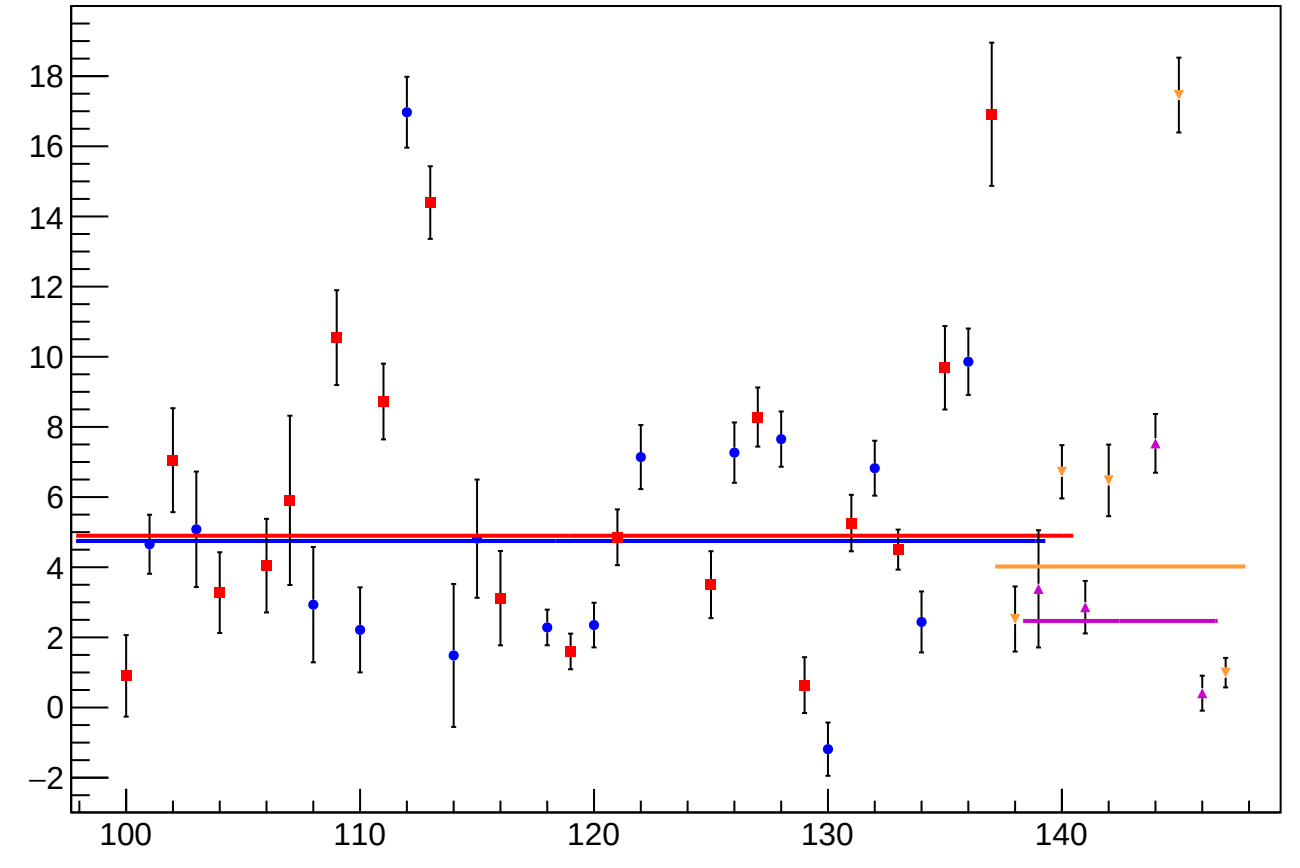
Left: -46.364+/-0.337 χ^2/NDF: 550.3/8

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -35.622+/-0.200 χ^2/NDF:1705.7/19

Out: -35.284+/-0.192 χ^2/NDF:3292.7/22

All: -35.447+/-0.139 χ^2/NDF: 4999.9/42



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 4.021+/-0.310 χ^2/NDF:231.6/4

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 2.469+/-0.363 χ^2/NDF:54.3/3

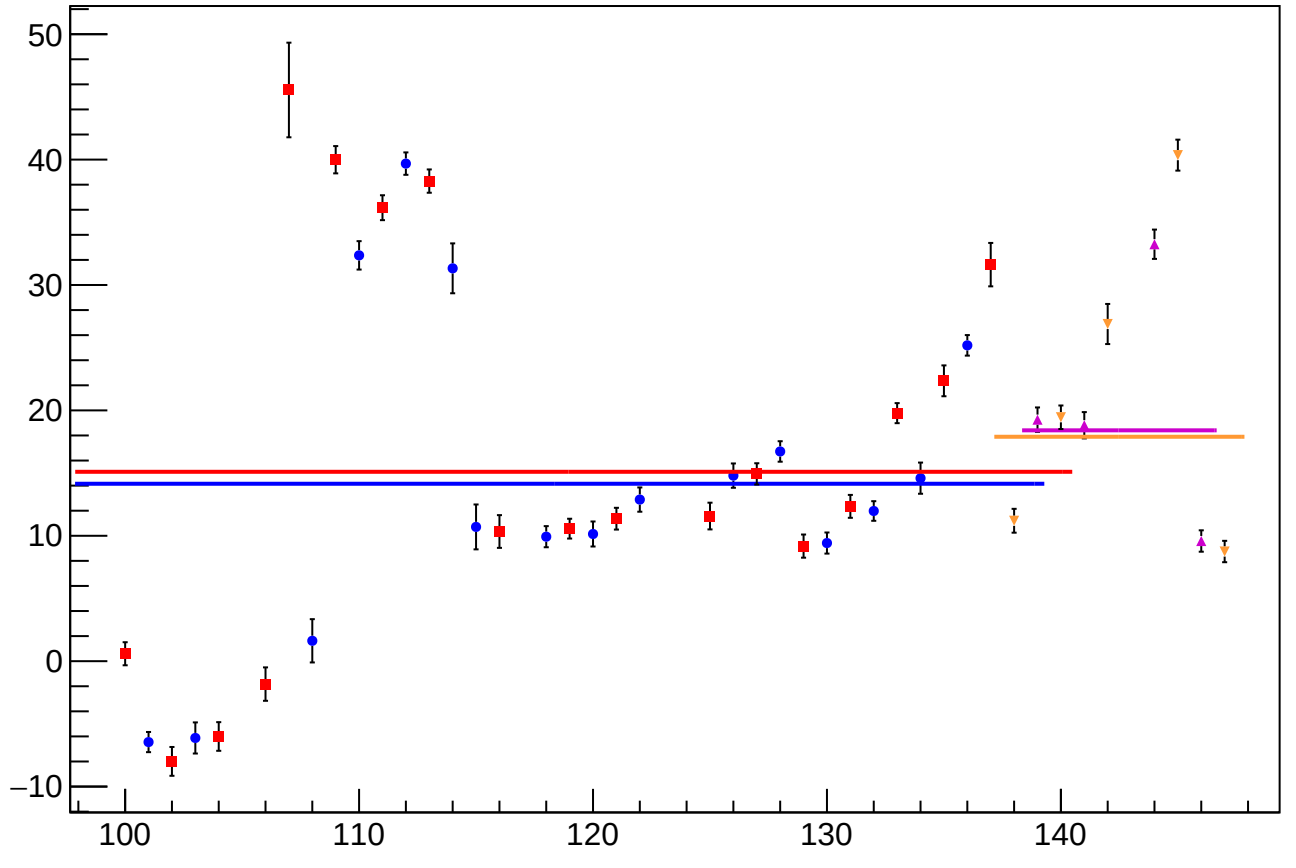
Left: 3.366+/-0.236 χ^2/NDF: 296.4/8

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 4.137+/-0.188 χ^2/NDF:408.8/19

Out: 4.605+/-0.179 χ^2/NDF:510.0/22

All: 4.382+/-0.130 χ^2/NDF: 922.0/42



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 17.897+/-0.463 χ^2/NDF:530.0/4

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 18.409+/-0.496 χ^2/NDF:269.2/3

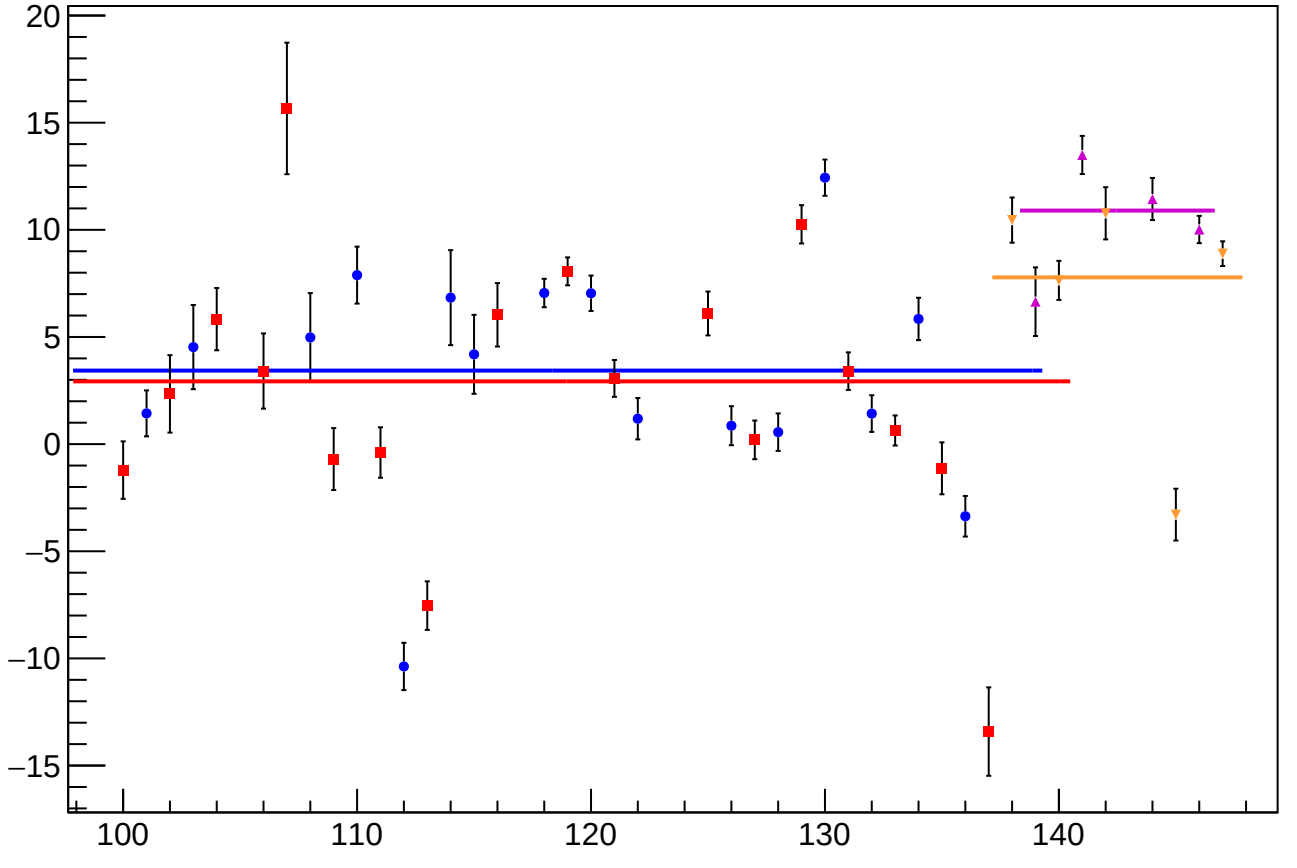
Left: 18.136+/-0.338 χ^2/NDF: 799.7/8

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.998+/-0.221 χ^2/NDF:2730.7/19

Out: 15.703+/-0.214 χ^2/NDF:3660.9/22

All: 15.361+/-0.154 χ^2/NDF: 6396.8/42



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 7.782+/-0.393 χ^2/NDF:100.0/4

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 10.898+/-0.440 χ^2/NDF:17.8/3

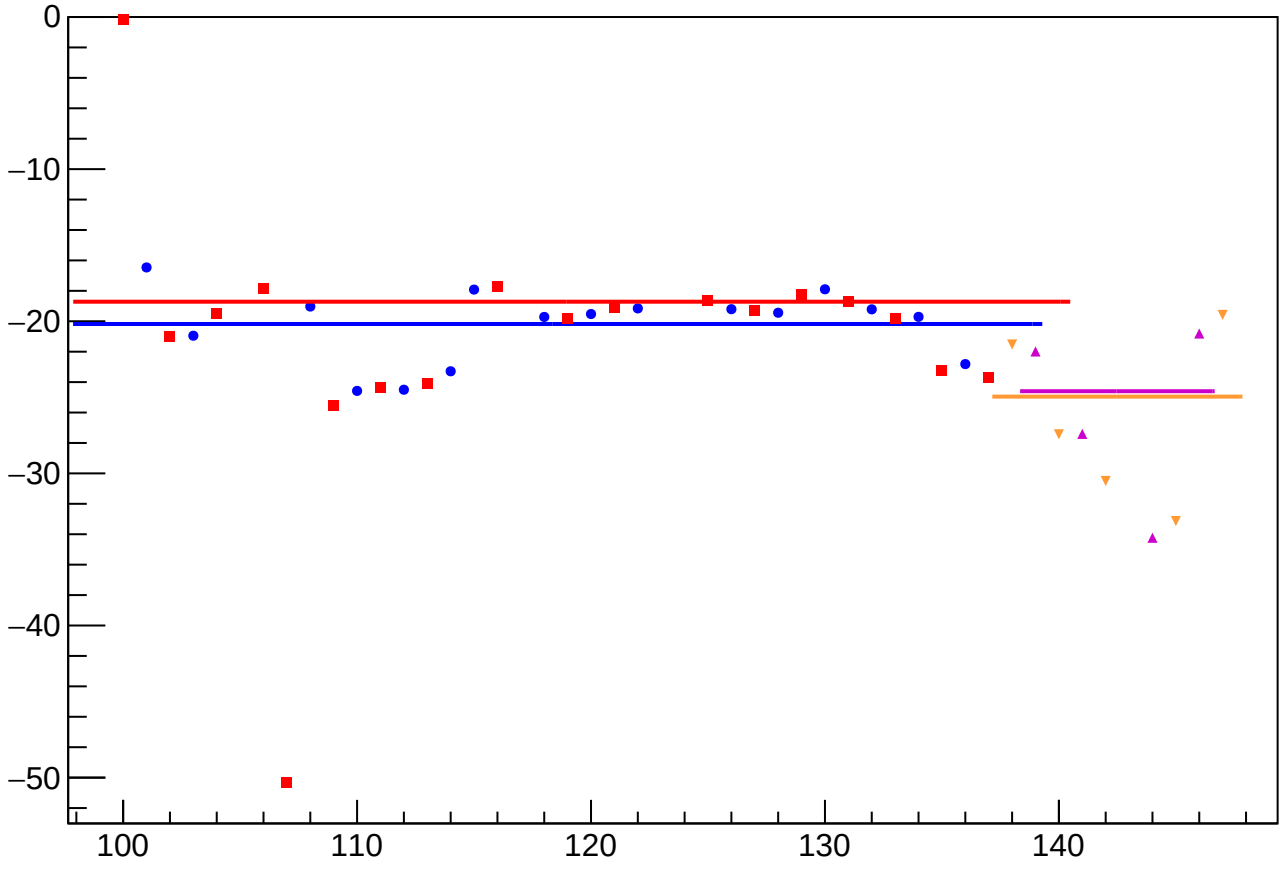
Left: 9.165+/-0.293 χ^2/NDF: 145.7/8

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 5.300+/-0.220 χ^2/NDF:657.6/19

Out: 4.353+/-0.213 χ^2/NDF:575.4/22

All: 4.810+/-0.153 χ^2/NDF: 1242.6/42



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -24.954+/-0.020 χ^2/NDF:67154.0/4

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -24.599+/-0.020 χ^2/NDF:54348.4/3

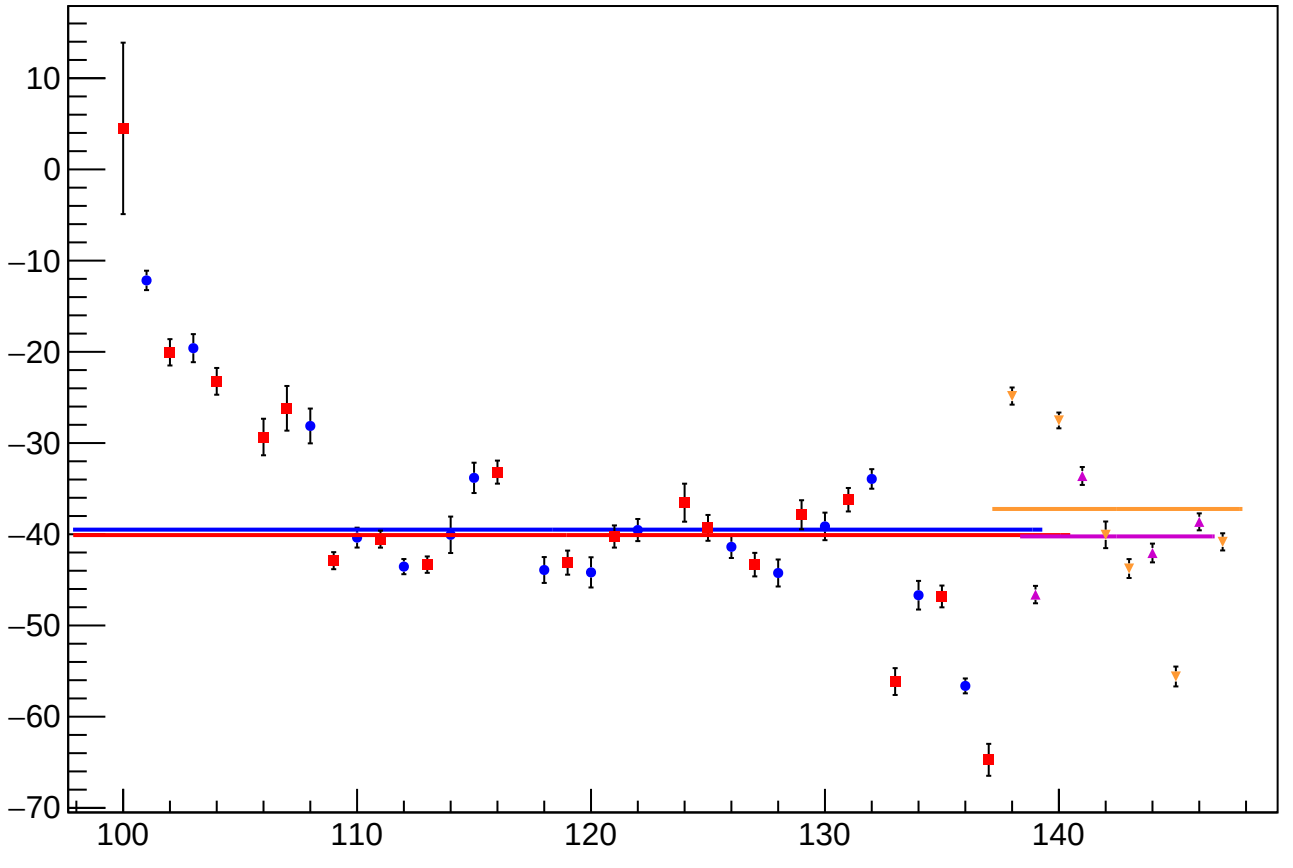
Left: -24.781+/-0.014 χ^2/NDF: 121663.5/8

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.906+/-0.013 χ^2/NDF:103802.1/19

Out: -21.139+/-0.012 χ^2/NDF:364275.8/22

All: -21.511+/-0.009 χ^2/NDF: 470006.3/42



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.227+/-0.414 χ^2/NDF:642.0/5

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -40.235+/-0.486 χ^2/NDF:96.2/3

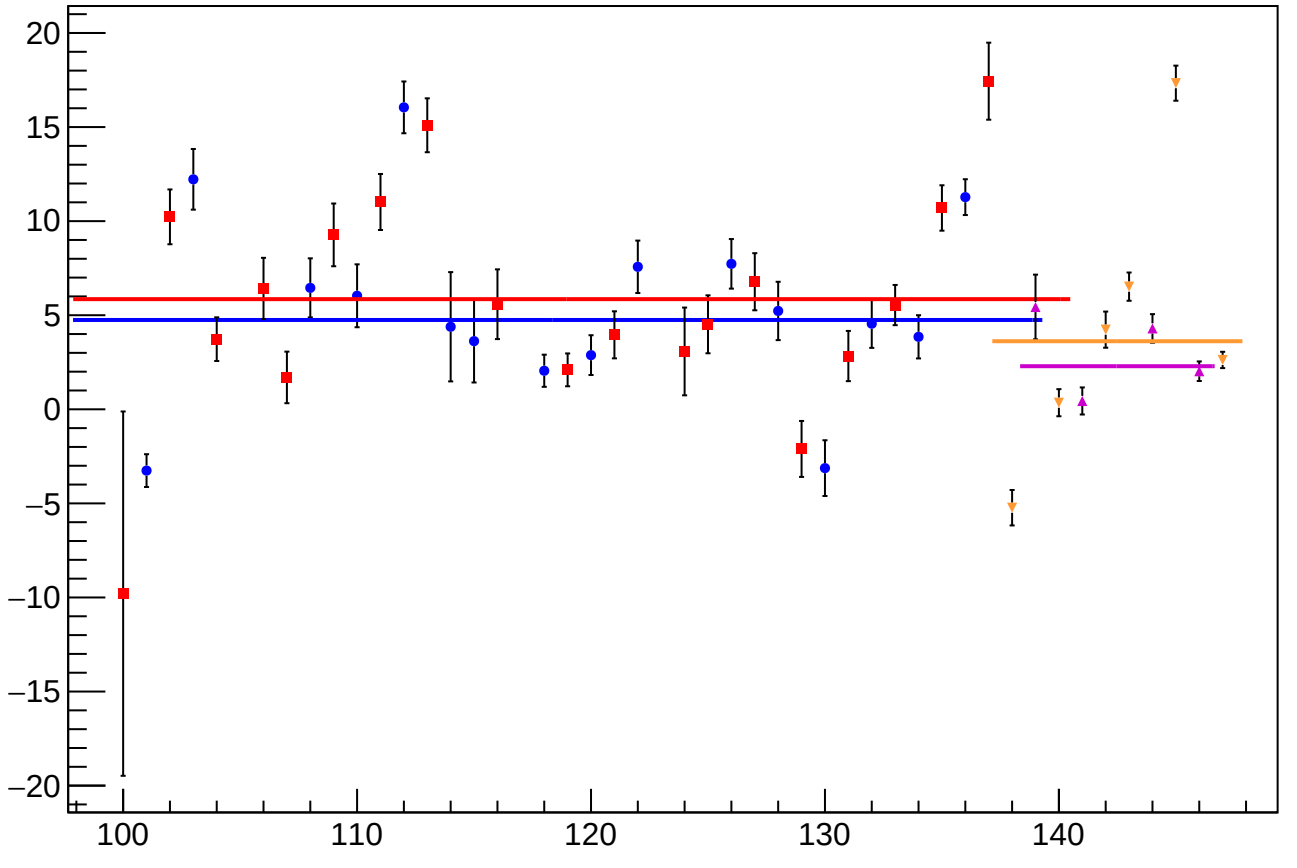
Left: -38.491+/-0.315 χ^2/NDF: 760.4/9

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.708+/-0.262 χ^2/NDF:1514.9/19

Out: -39.073+/-0.247 χ^2/NDF:1507.8/24

All: -39.372+/-0.179 χ^2/NDF: 3025.8/44



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.619+/-0.284 χ^2/NDF:345.8/5

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 2.291+/-0.360 χ^2/NDF:17.2/3

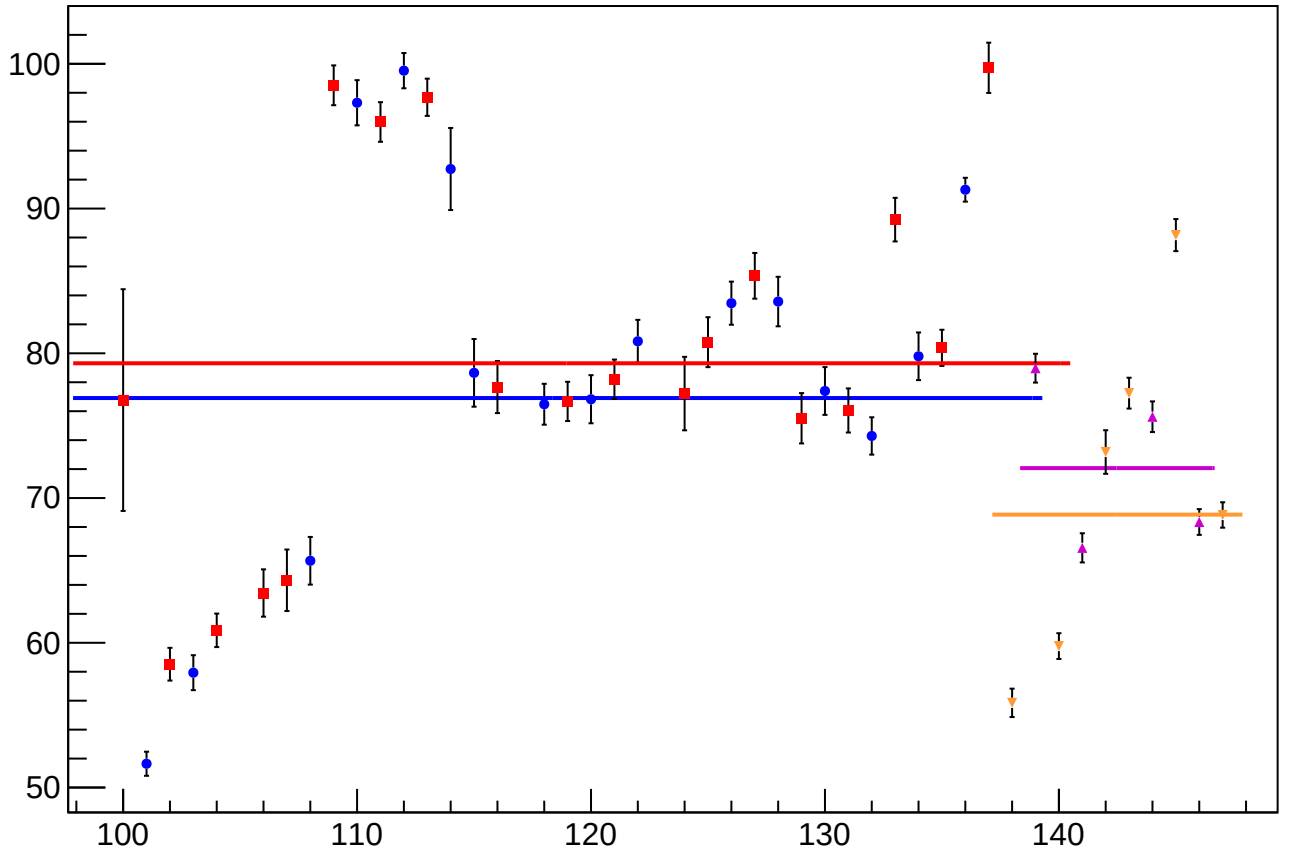
Left: 3.110+/-0.223 χ^2/NDF: 371.4/9

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 3.679+/-0.238 χ^2/NDF:317.3/19

Out: 4.590+/-0.214 χ^2/NDF:560.3/24

All: 4.183+/-0.159 χ^2/NDF: 885.8/44



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 68.856+/-0.417 χ^2/NDF:653.9/5

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 72.069+/-0.491 χ^2/NDF:106.7/3

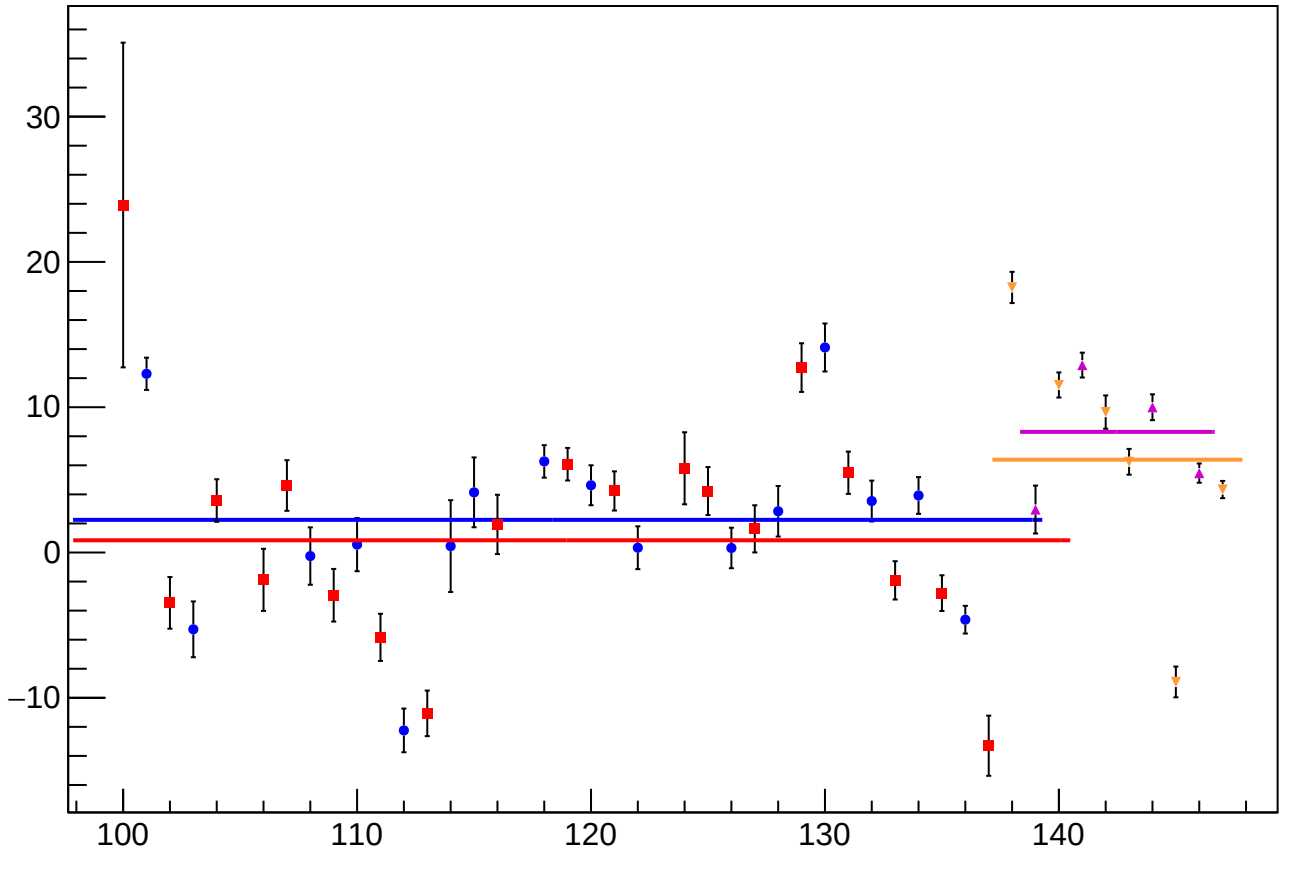
Left: 70.204+/-0.318 χ^2/NDF: 785.5/9

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 75.360+/-0.278 χ^2/NDF:2288.8/19

Out: 75.027+/-0.267 χ^2/NDF:2520.4/24

All: 75.187+/-0.193 χ^2/NDF: 4810.0/44



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 6.387+/-0.354 χ^2/NDF:385.6/5

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 8.303+/-0.435 χ^2/NDF:61.4/3

Left: 7.151+/-0.275 χ^2/NDF: 458.6/9

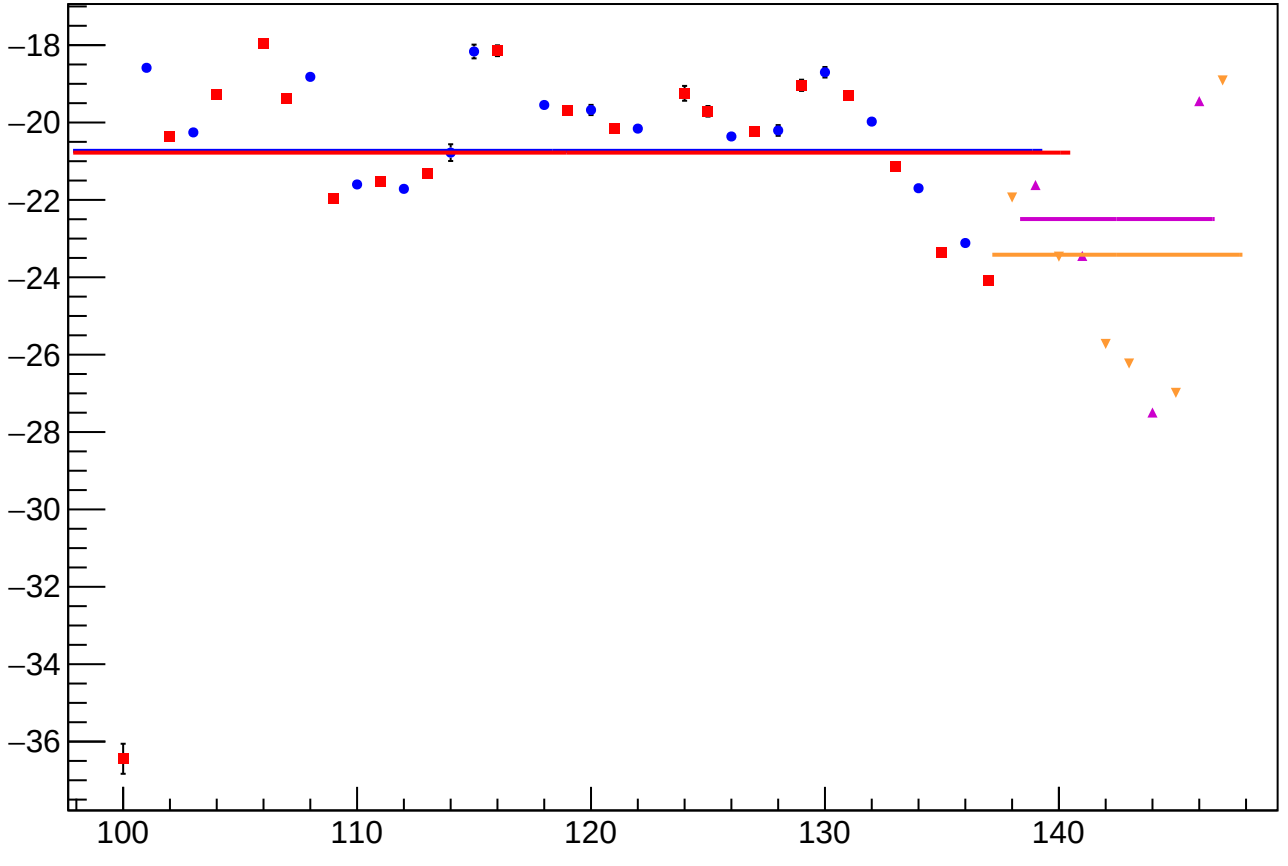
Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 4.732+/-0.279 χ^2/NDF:495.1/19

Out: 3.748+/-0.257 χ^2/NDF:758.3/24

All: 4.199+/-0.189 χ^2/NDF: 1260.1/44

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: -23.417+/-0.018 χ^2/NDF:26819.1/5

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -22.495+/-0.020 χ^2/NDF:18613.5/3

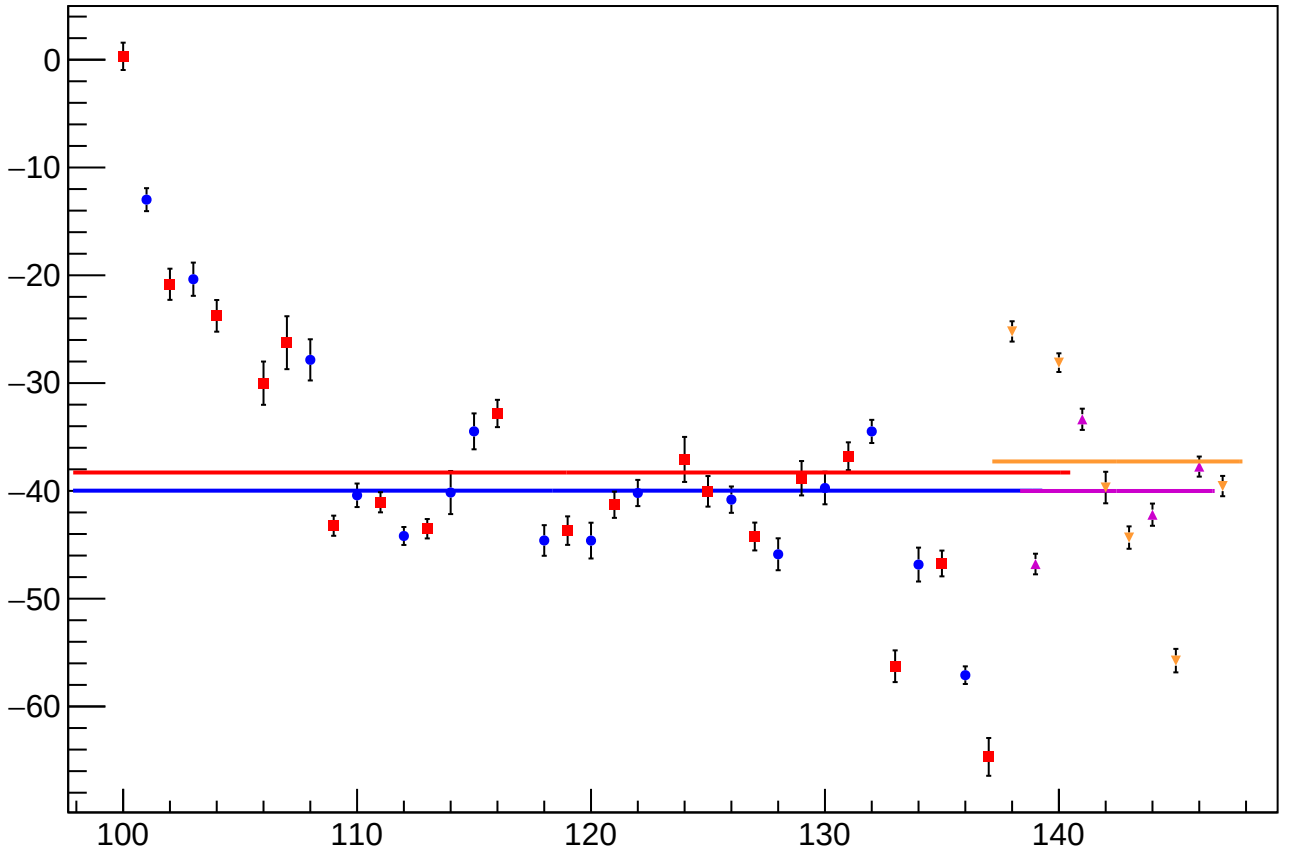
Left: -23.014+/-0.013 χ^2/NDF: 46634.3/9

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -21.590+/-0.014 χ^2/NDF:30252.0/19

Out: -22.279+/-0.013 χ^2/NDF:45963.8/24

All: -21.951+/-0.010 χ^2/NDF: 77504.1/44



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -37.270+/-0.414 χ^2/NDF:617.9/5

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -40.009+/-0.487 χ^2/NDF:106.2/3

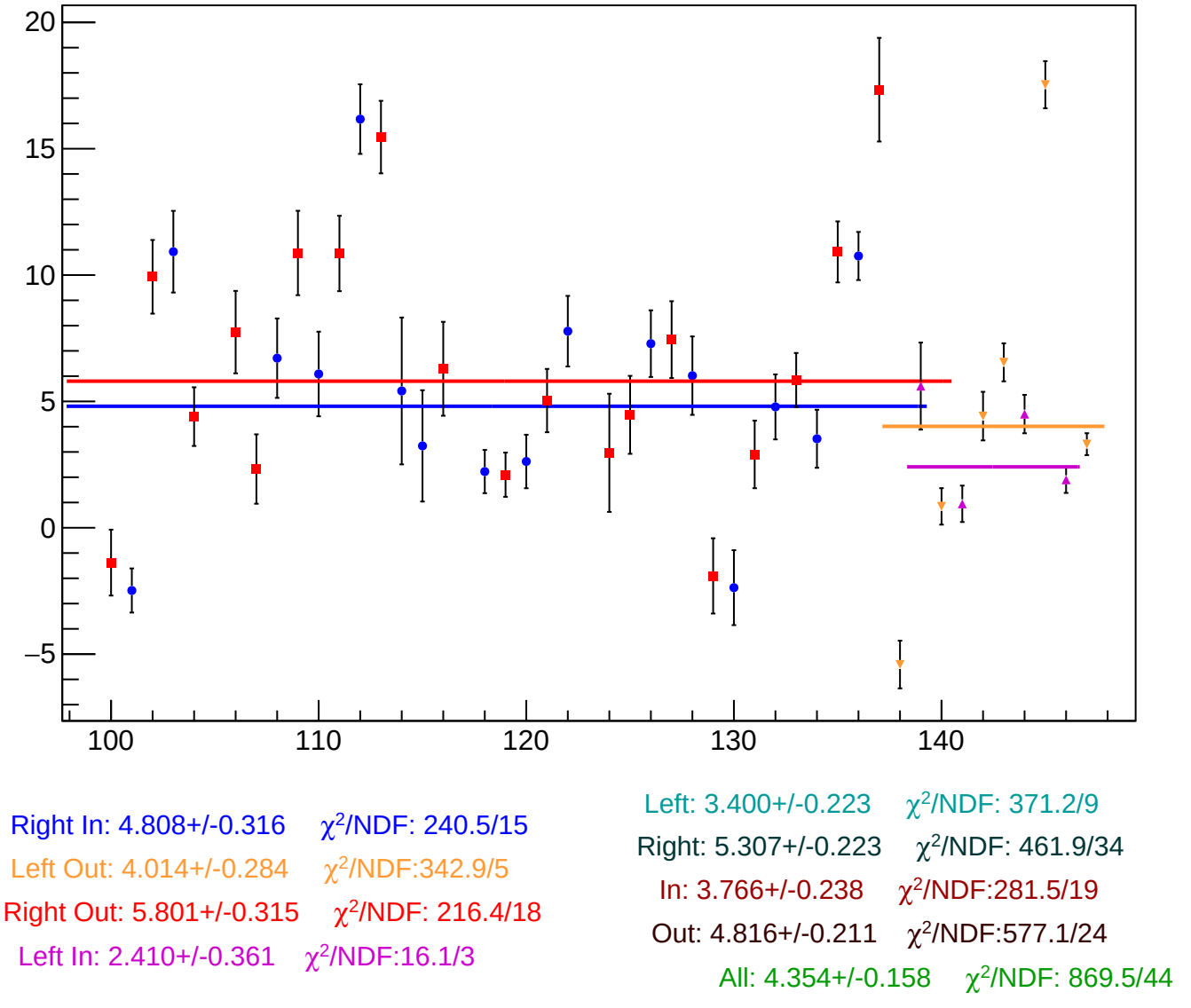
Left: -38.421+/-0.316 χ^2/NDF: 742.5/9

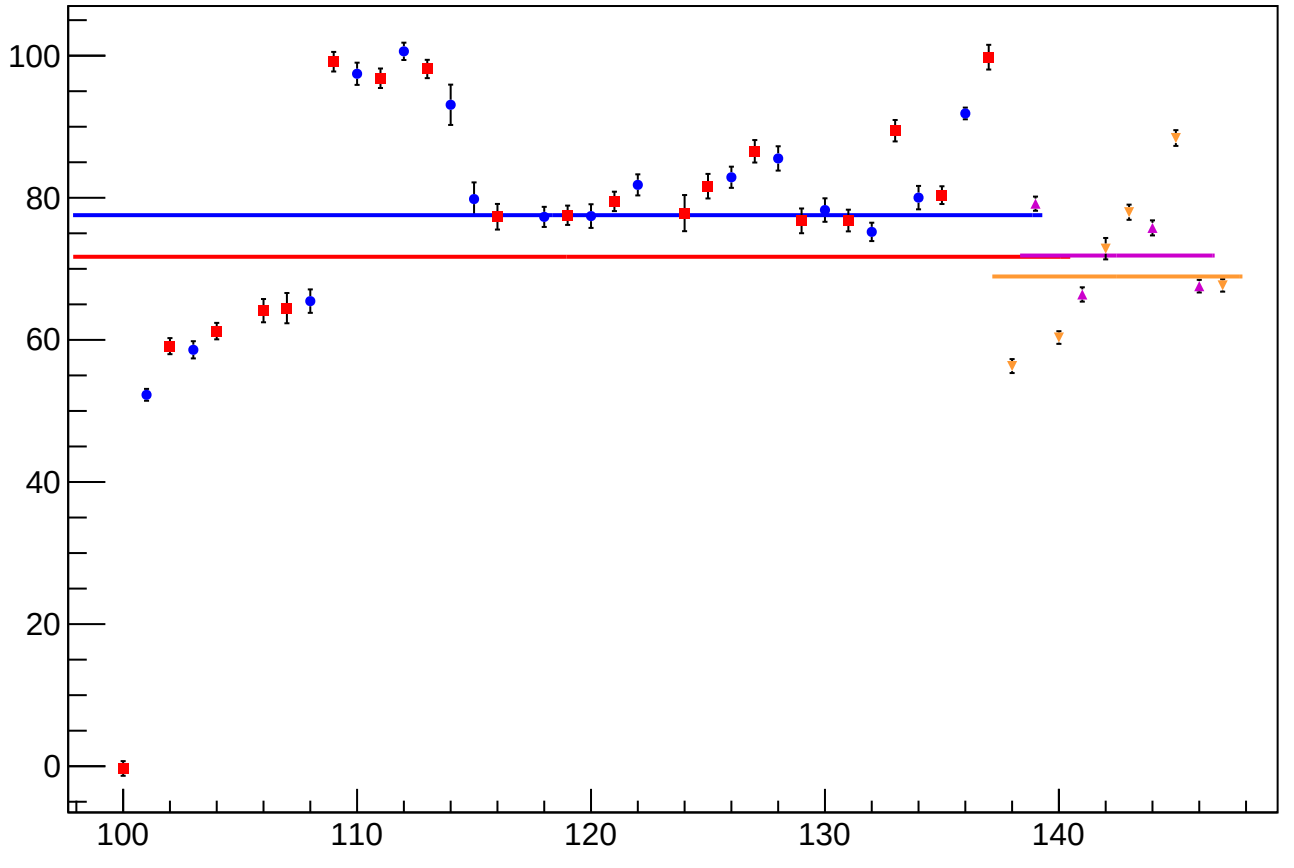
Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -39.988+/-0.262 χ^2/NDF:1504.7/19

Out: -37.944+/-0.243 χ^2/NDF:2395.7/24

All: -38.887+/-0.178 χ^2/NDF: 3933.1/44


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 4.014+/-0.284 χ²/NDF:342.9/5
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 2.410+/-0.361 χ²/NDF:16.1/3
Left: 3.400+/-0.223 χ²/NDF: 371.2/9
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 3.766+/-0.238 χ²/NDF:281.5/19
Out: 4.816+/-0.211 χ²/NDF:577.1/24
All: 4.354+/-0.158 χ²/NDF: 869.5/44



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 68.924+/-0.418 χ^2/NDF:646.4/5

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 71.872+/-0.492 χ^2/NDF:119.8/3

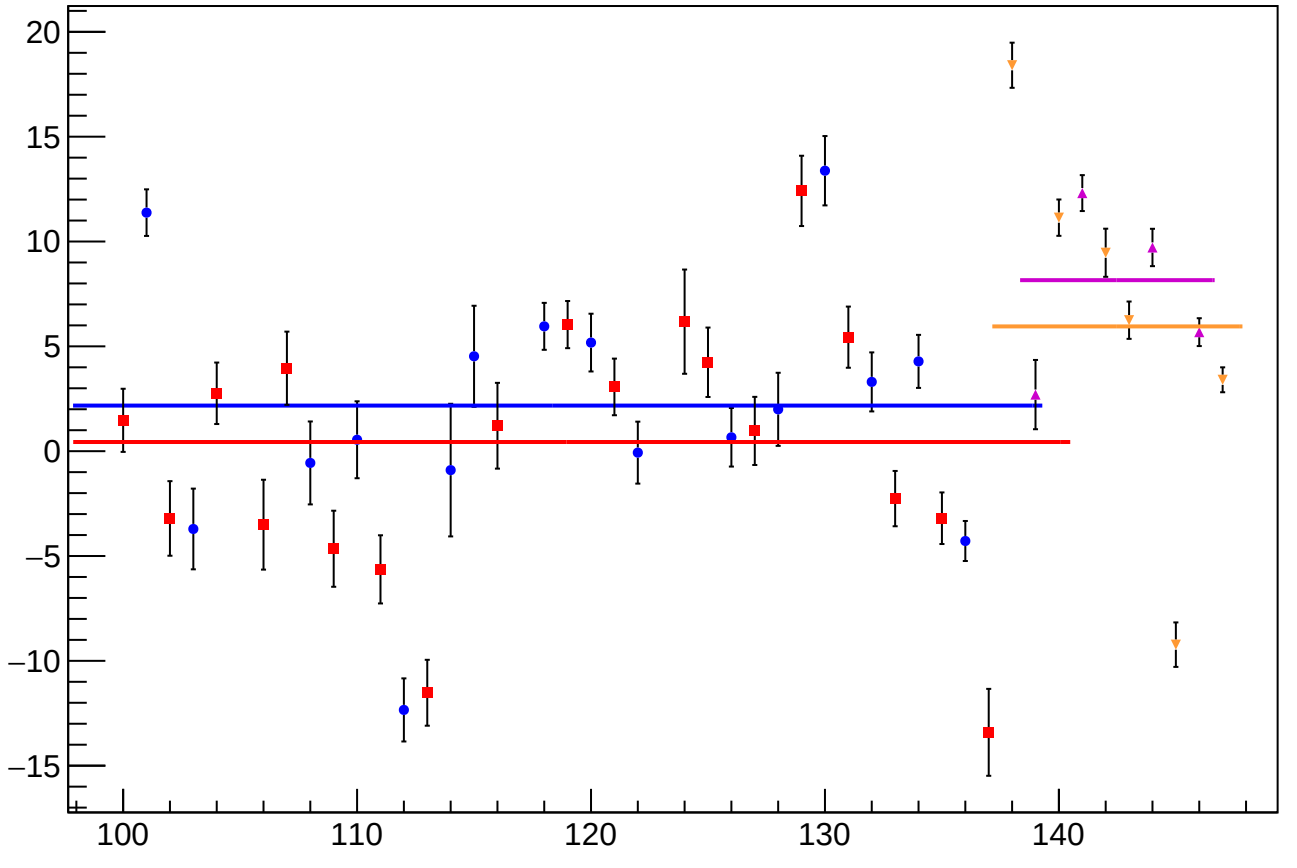
Left: 70.160+/-0.319 χ^2/NDF: 787.0/9

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 75.736+/-0.278 χ^2/NDF:2328.9/19

Out: 70.632+/-0.259 χ^2/NDF:7577.0/24

All: 73.004+/-0.190 χ^2/NDF: 10086.0/44



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.951+/-0.355 χ^2/NDF:402.2/5

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 8.157+/-0.436 χ^2/NDF:51.4/3

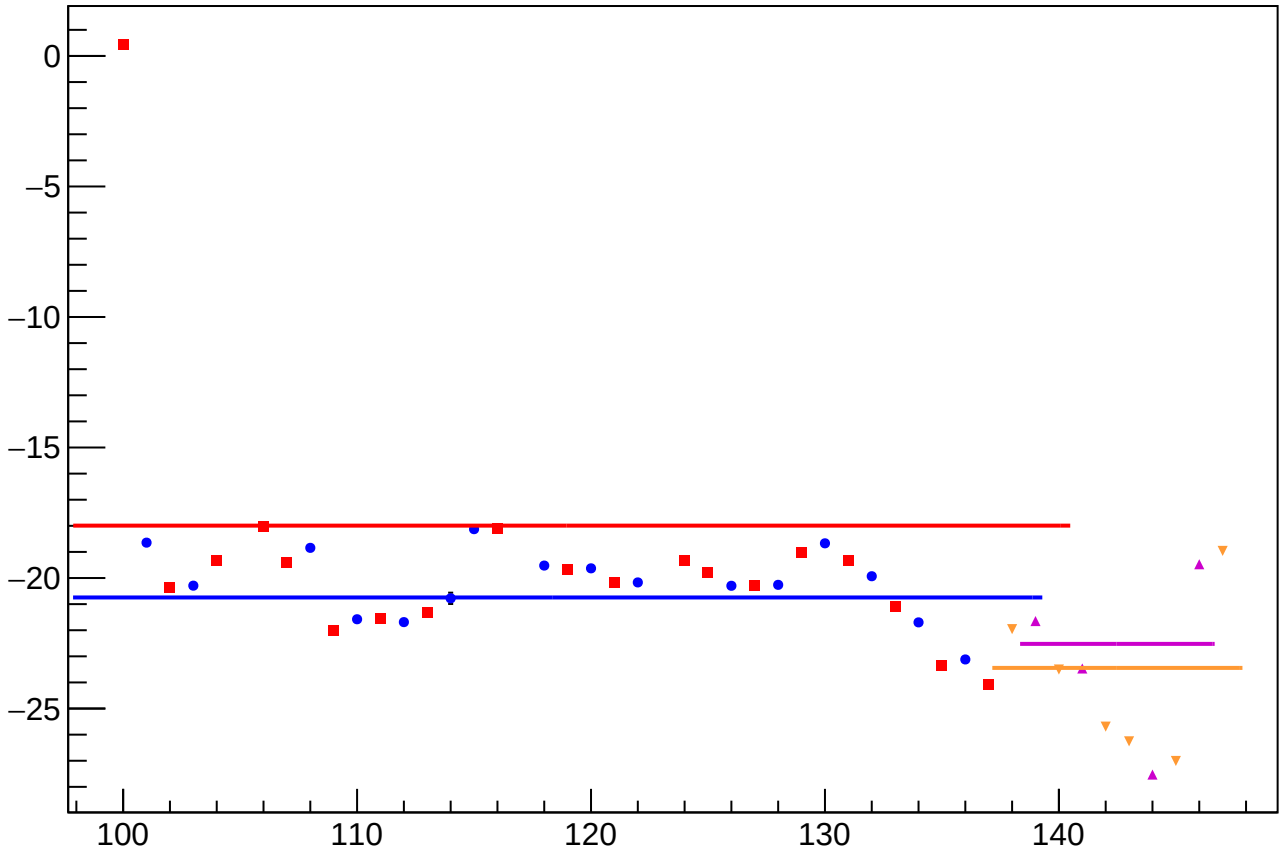
Left: 6.830+/-0.275 χ^2/NDF: 469.0/9

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 4.627+/-0.279 χ^2/NDF:452.7/19

Out: 3.248+/-0.253 χ^2/NDF:774.6/24

All: 3.871+/-0.188 χ^2/NDF: 1240.6/44



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -23.443+/-0.018 χ^2/NDF:26548.7/5

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -22.523+/-0.020 χ^2/NDF:18566.5/3

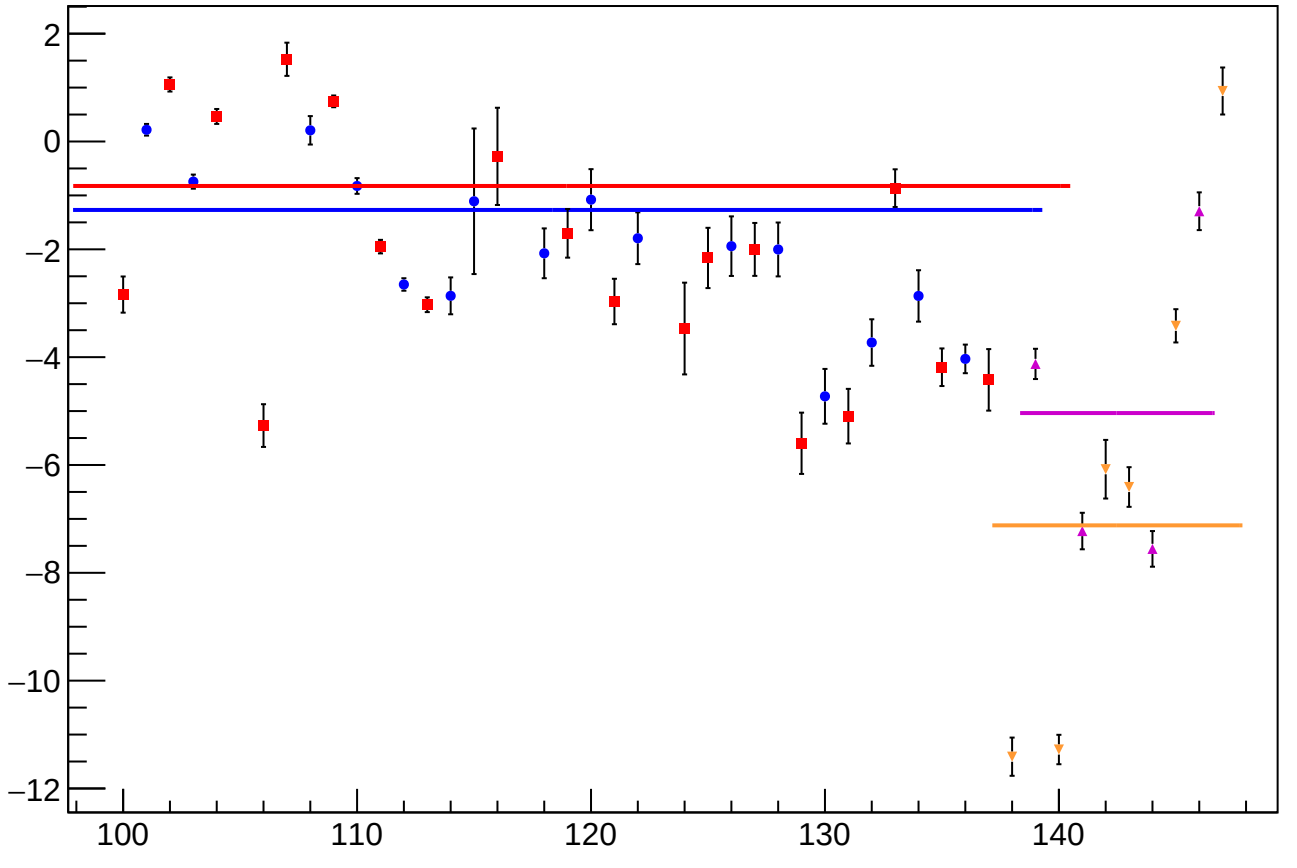
Left: -23.042+/-0.013 χ^2/NDF: 46307.5/9

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -21.609+/-0.014 χ^2/NDF:30142.7/19

Out: -20.908+/-0.013 χ^2/NDF:221709.7/24

All: -21.231+/-0.009 χ^2/NDF: 253215.2/44



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -7.120+/-0.144 χ^2/NDF:871.6/5

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.037+/-0.161 χ^2/NDF:224.8/3

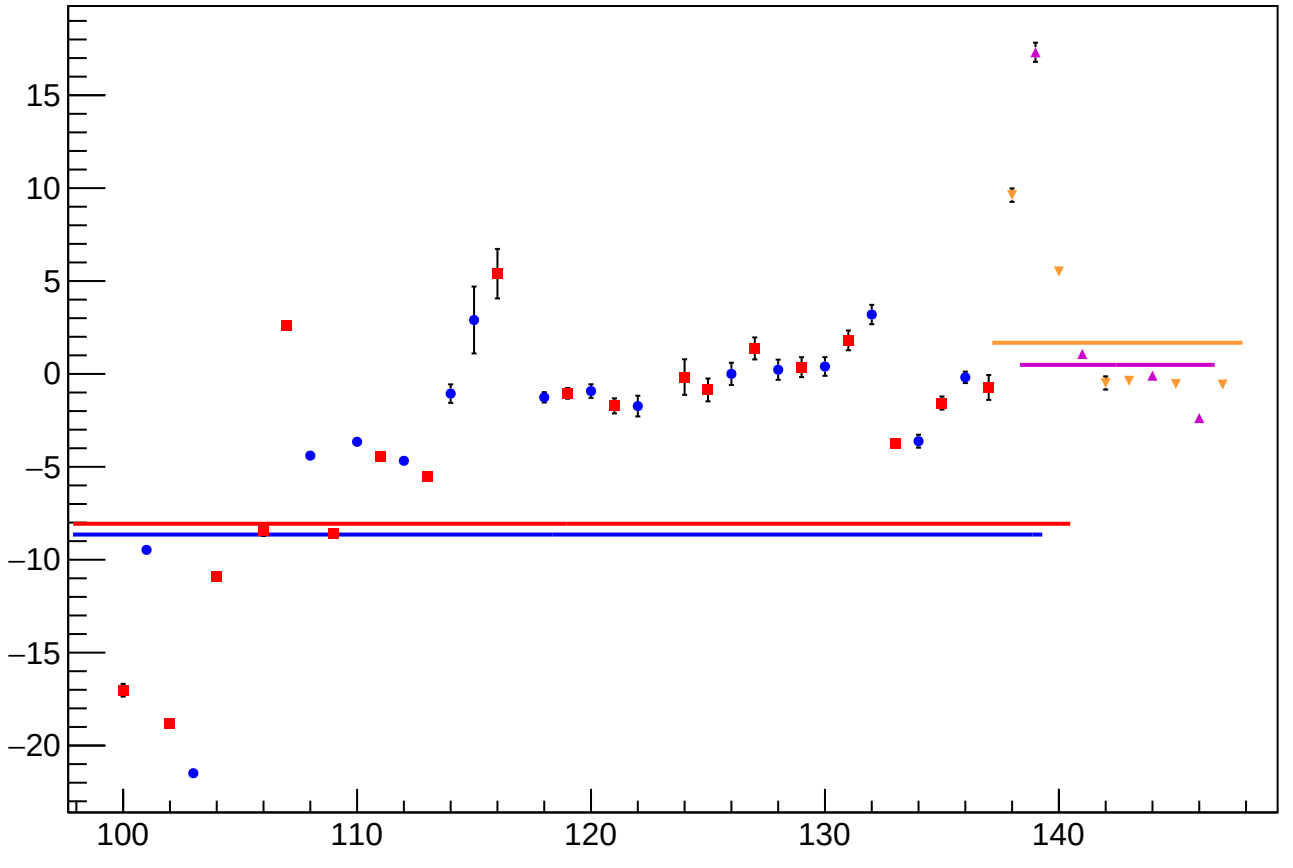
Left: -6.189+/-0.107 χ^2/NDF: 1189.3/9

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.659+/-0.052 χ^2/NDF:1334.2/19

Out: -1.524+/-0.048 χ^2/NDF:3944.6/24

All: -1.586+/-0.035 χ^2/NDF: 5282.4/44



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.679+/-0.107 χ^2/NDF:1046.7/5

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.488+/-0.131 χ^2/NDF:1258.8/3

Left: 1.200+/-0.083 χ^2/NDF: 2355.3/9

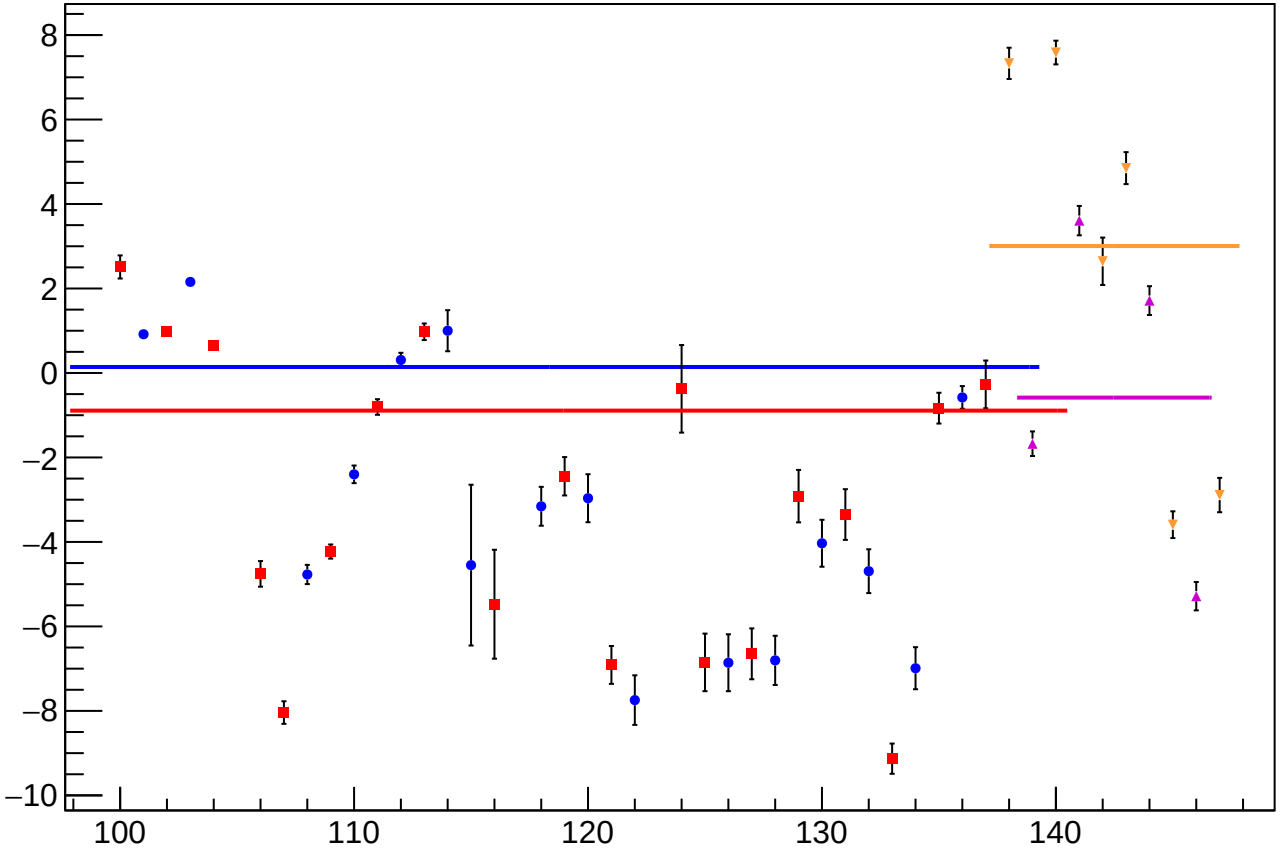
Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -7.186+/-0.052 χ^2/NDF:19197.1/19

Out: -5.881+/-0.051 χ^2/NDF:21901.3/24

All: -6.514+/-0.036 χ^2/NDF: 41420.0/44

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 3.005+/-0.147 χ^2/NDF:1071.9/5

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -0.583+/-0.163 χ^2/NDF:400.6/3

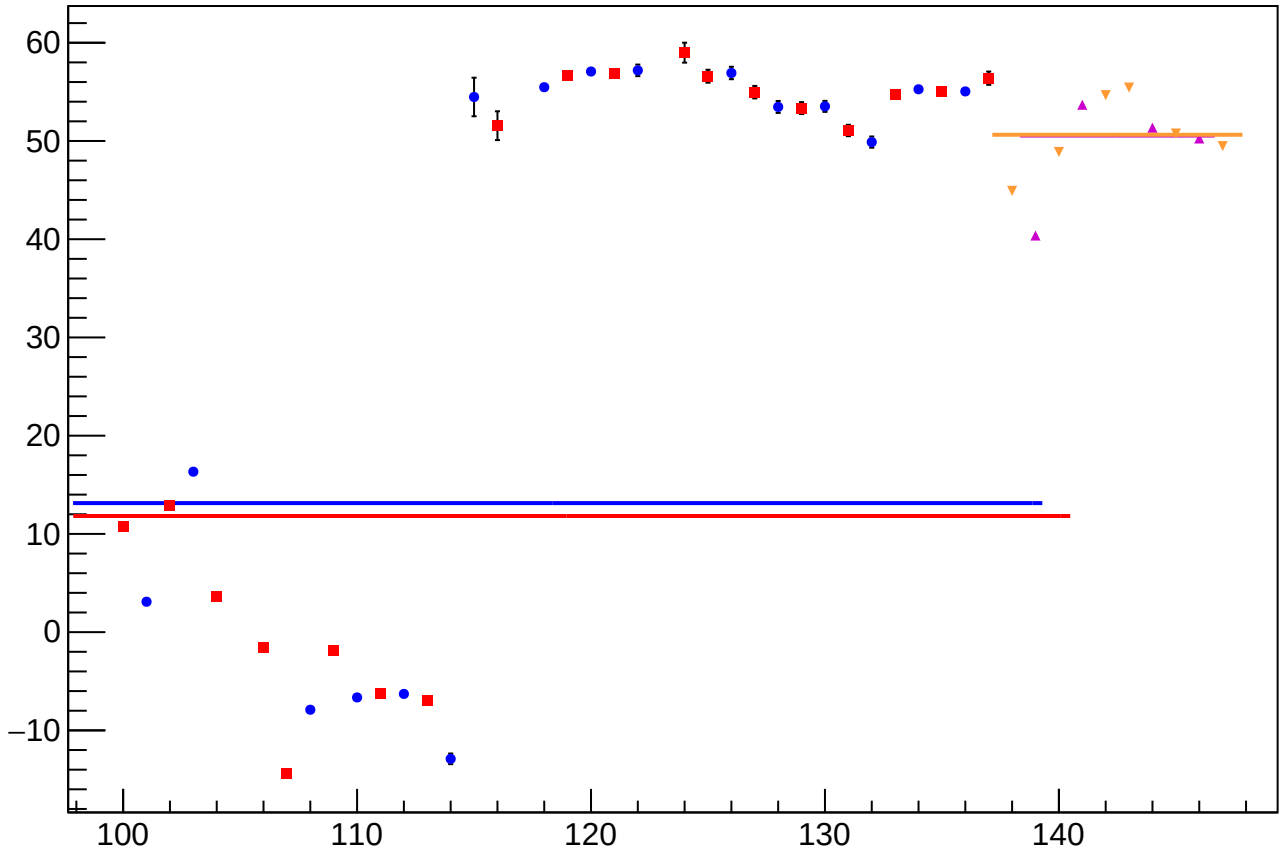
Left: 1.397+/-0.109 χ^2/NDF: 1739.1/9

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.072+/-0.050 χ^2/NDF:2378.1/19

Out: -0.434+/-0.050 χ^2/NDF:4676.7/24

All: -0.181+/-0.036 χ^2/NDF: 7105.5/44



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.634+/-0.130 χ^2/NDF:571.5/5

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.552+/-0.154 χ^2/NDF:544.8/3

Left: 50.600+/-0.099 χ^2/NDF: 1116.5/9

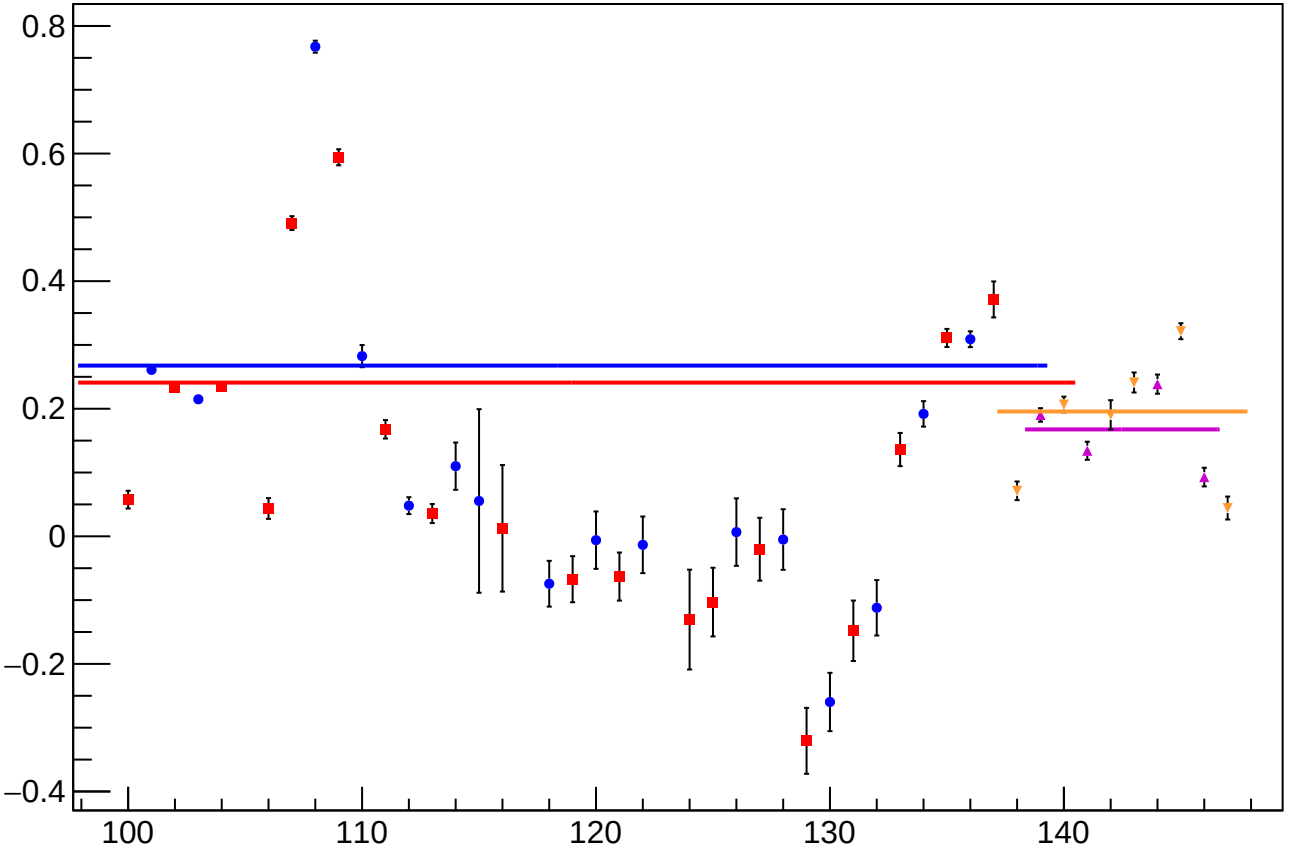
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 19.238+/-0.062 χ^2/NDF:158580.2/19

Out: 20.129+/-0.060 χ^2/NDF:188772.0/24

All: 19.698+/-0.043 χ^2/NDF: 347458.1/44

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.196+/-0.006 χ^2/NDF:253.9/5

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.168+/-0.007 χ^2/NDF:58.7/3

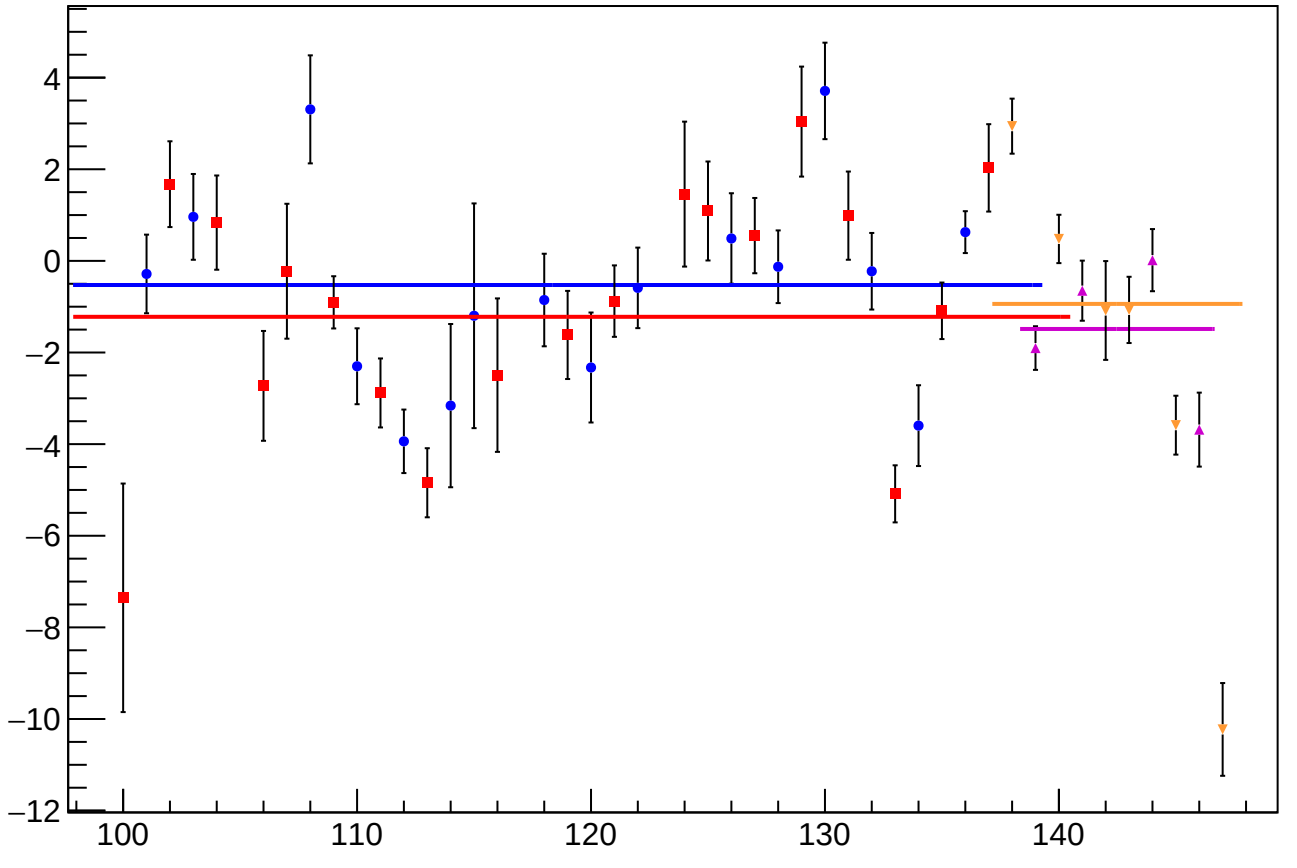
Left: 0.183+/-0.004 χ^2/NDF: 322.4/9

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.252+/-0.003 χ^2/NDF:3974.5/19

Out: 0.233+/-0.003 χ^2/NDF:2638.8/24

All: 0.243+/-0.002 χ^2/NDF: 6641.4/44



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.939+/-0.282 χ^2/NDF:150.1/5

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.486+/-0.309 χ^2/NDF:14.7/3

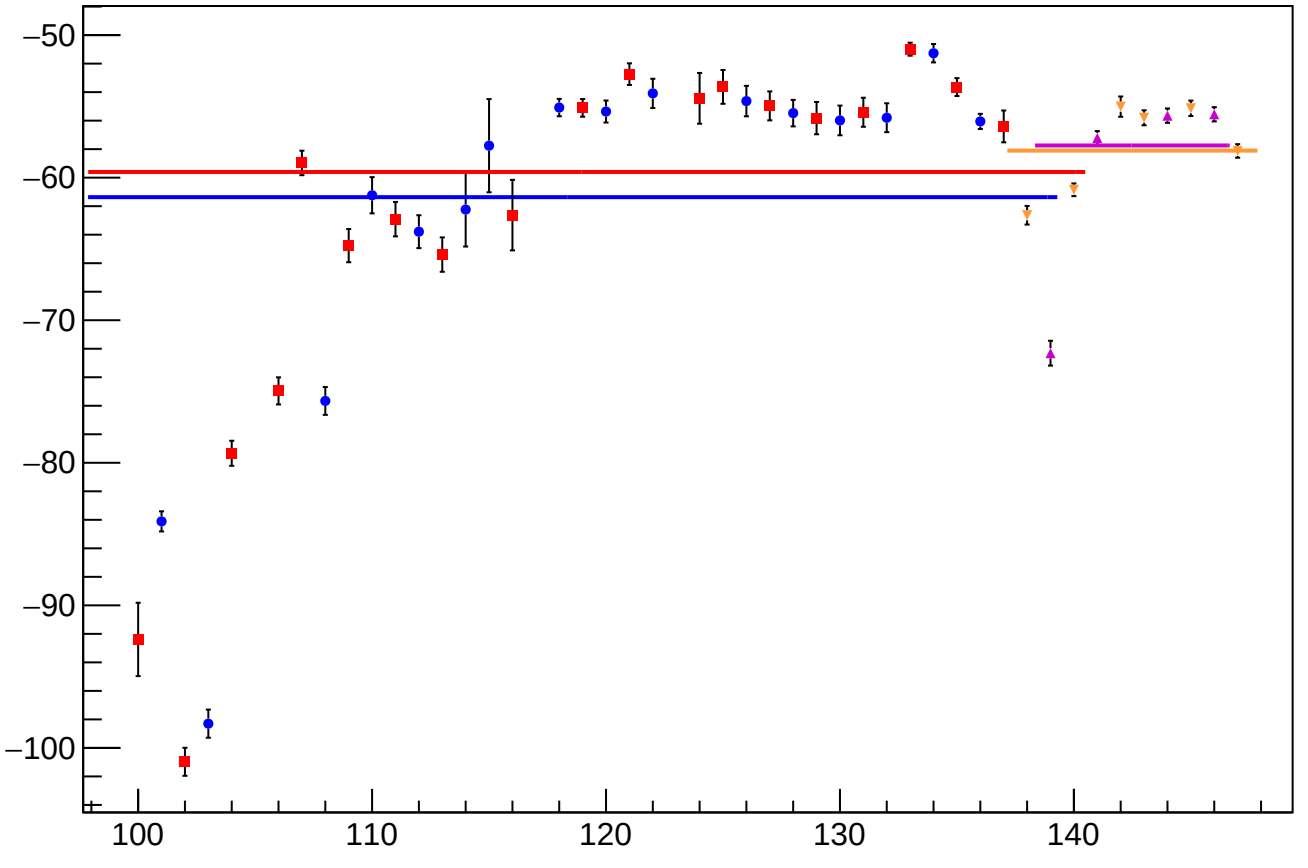
Left: -1.188+/-0.209 χ^2/NDF: 166.5/9

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.843+/-0.178 χ^2/NDF:103.9/19

Out: -1.124+/-0.166 χ^2/NDF:281.7/24

All: -0.993+/-0.121 χ^2/NDF: 386.9/44



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -58.102+/-0.219 χ^2/NDF:153.9/5

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -57.742+/-0.272 χ^2/NDF:317.2/3

Left: -57.960+/-0.171 χ^2/NDF: 472.1/9

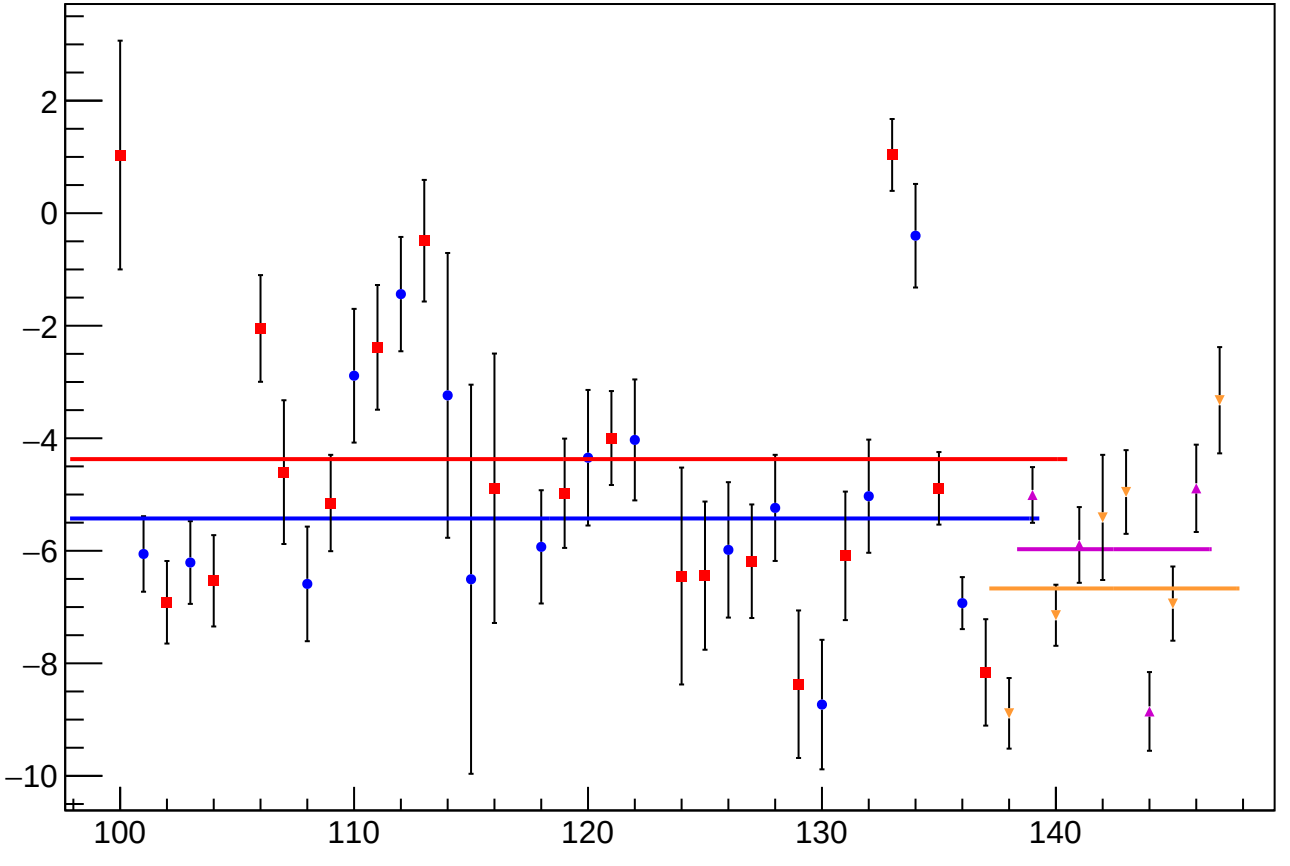
Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -59.941+/-0.171 χ^2/NDF:3776.2/19

Out: -58.897+/-0.150 χ^2/NDF:3599.9/24

All: -59.354+/-0.113 χ^2/NDF: 7397.2/44

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -6.669+/-0.289 χ^2/NDF:32.6/5

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -5.972+/-0.316 χ^2/NDF:22.7/3

Left: -6.352+/-0.213 χ^2/NDF: 58.0/9

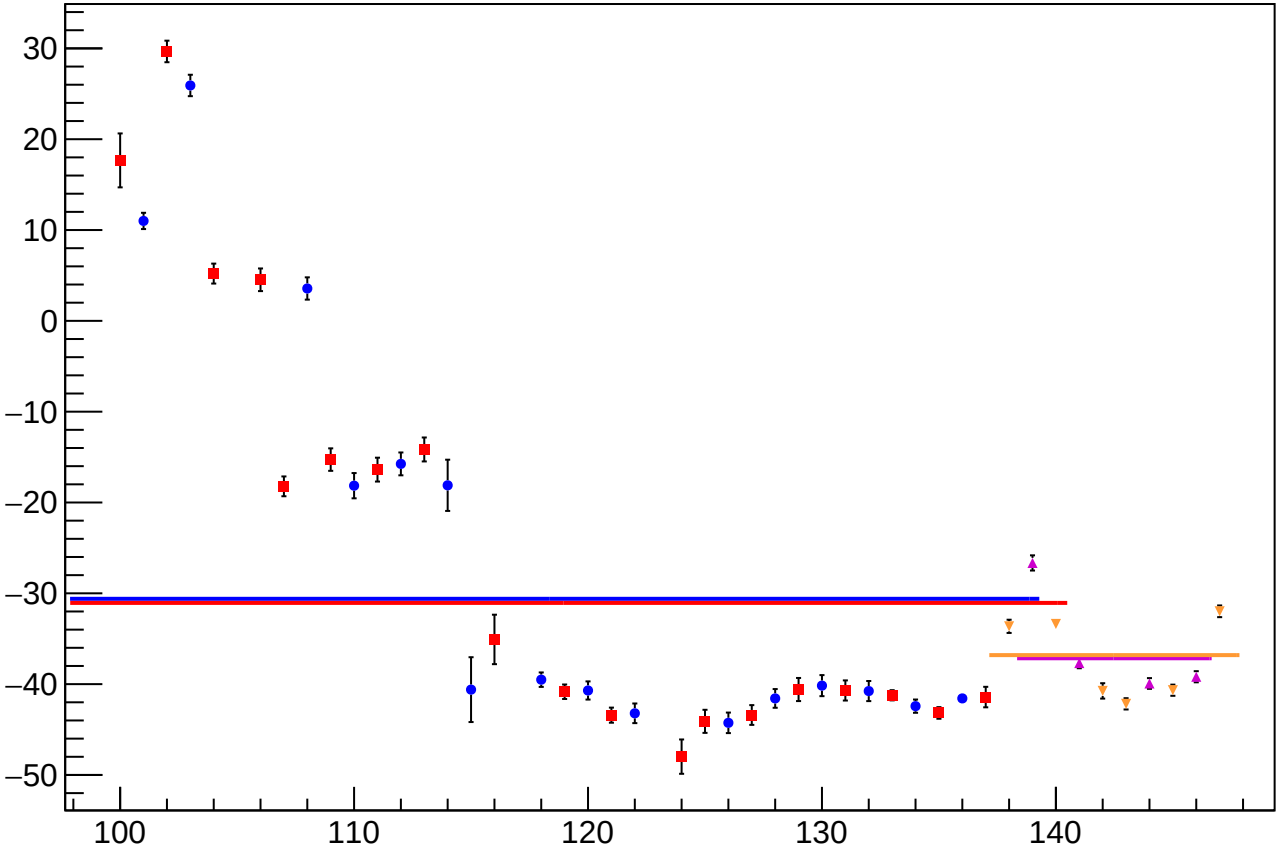
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.614+/-0.186 χ^2/NDF:100.6/19

Out: -5.226+/-0.176 χ^2/NDF:228.9/24

All: -5.410+/-0.128 χ^2/NDF: 331.9/44

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: -36.805+/-0.263 χ^2/NDF:251.8/5

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -37.152+/-0.316 χ^2/NDF:191.5/3

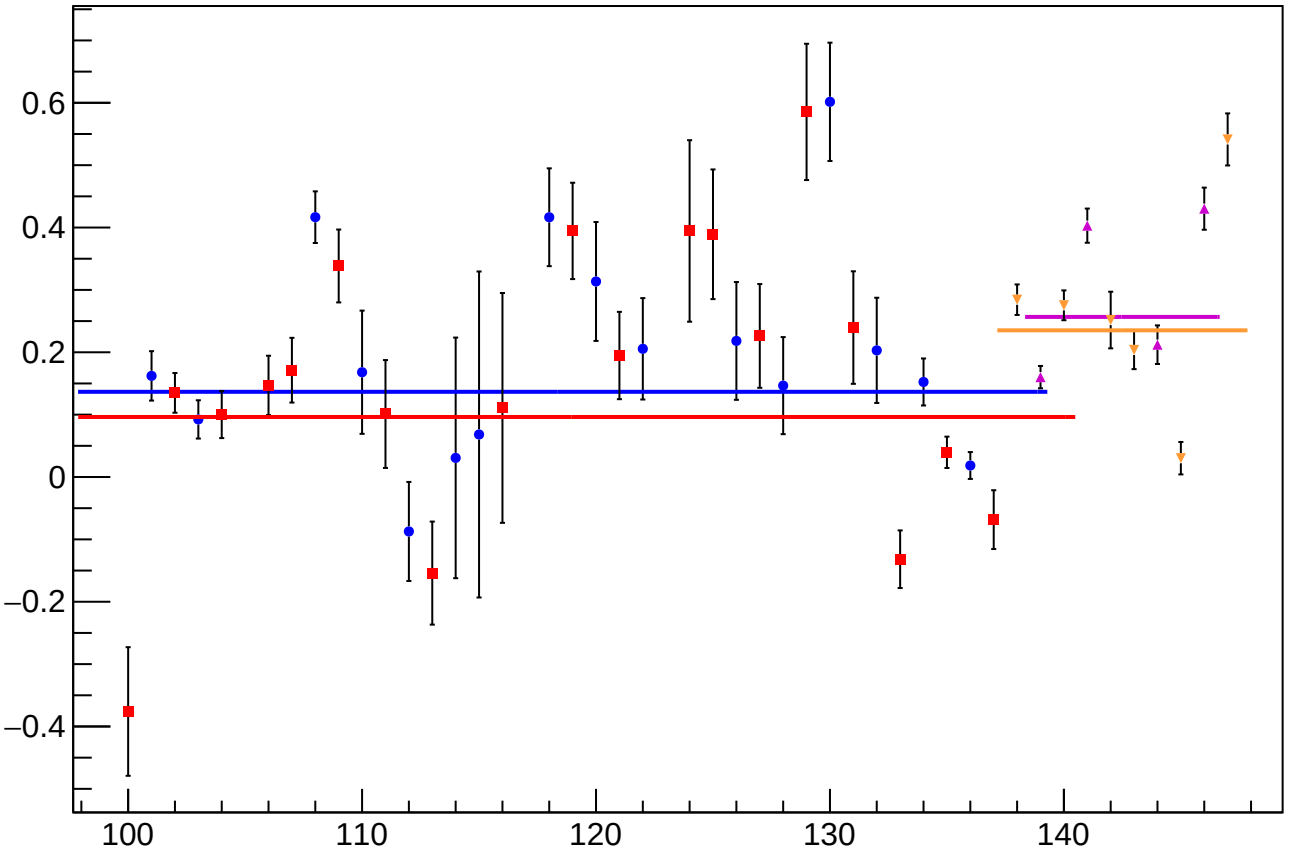
Left: -36.948+/-0.202 χ^2/NDF: 444.0/9

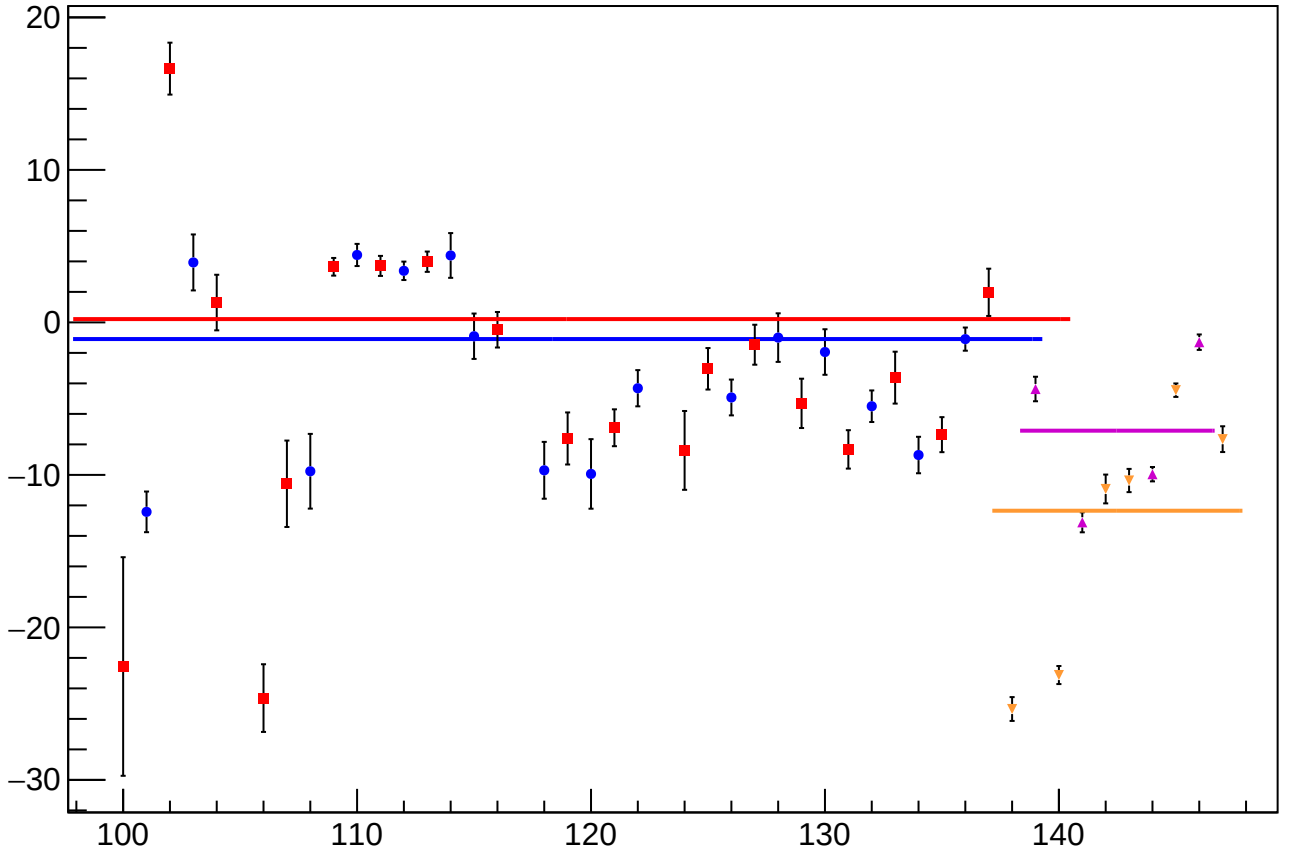
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -33.118+/-0.196 χ^2/NDF:7394.1/19

Out: -33.638+/-0.176 χ^2/NDF:7490.8/24

All: -33.405+/-0.131 χ^2/NDF: 14888.8/44


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
Right In: 0.137+/-0.013 χ²/NDF: 129.2/15
Left Out: 0.235+/-0.012 χ²/NDF:123.9/5
Right Out: 0.096+/-0.012 χ²/NDF: 147.7/18
Left In: 0.257+/-0.013 χ²/NDF:86.0/3
Left: 0.245+/-0.009 χ²/NDF: 211.4/9
Right: 0.116+/-0.009 χ²/NDF: 282.3/34
In: 0.197+/-0.009 χ²/NDF:261.3/19
Out: 0.168+/-0.009 χ²/NDF:337.0/24
All: 0.182+/-0.006 χ²/NDF: 603.7/44



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.349+/-0.269 χ^2/NDF:968.1/5

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -7.101+/-0.285 χ^2/NDF:263.4/3

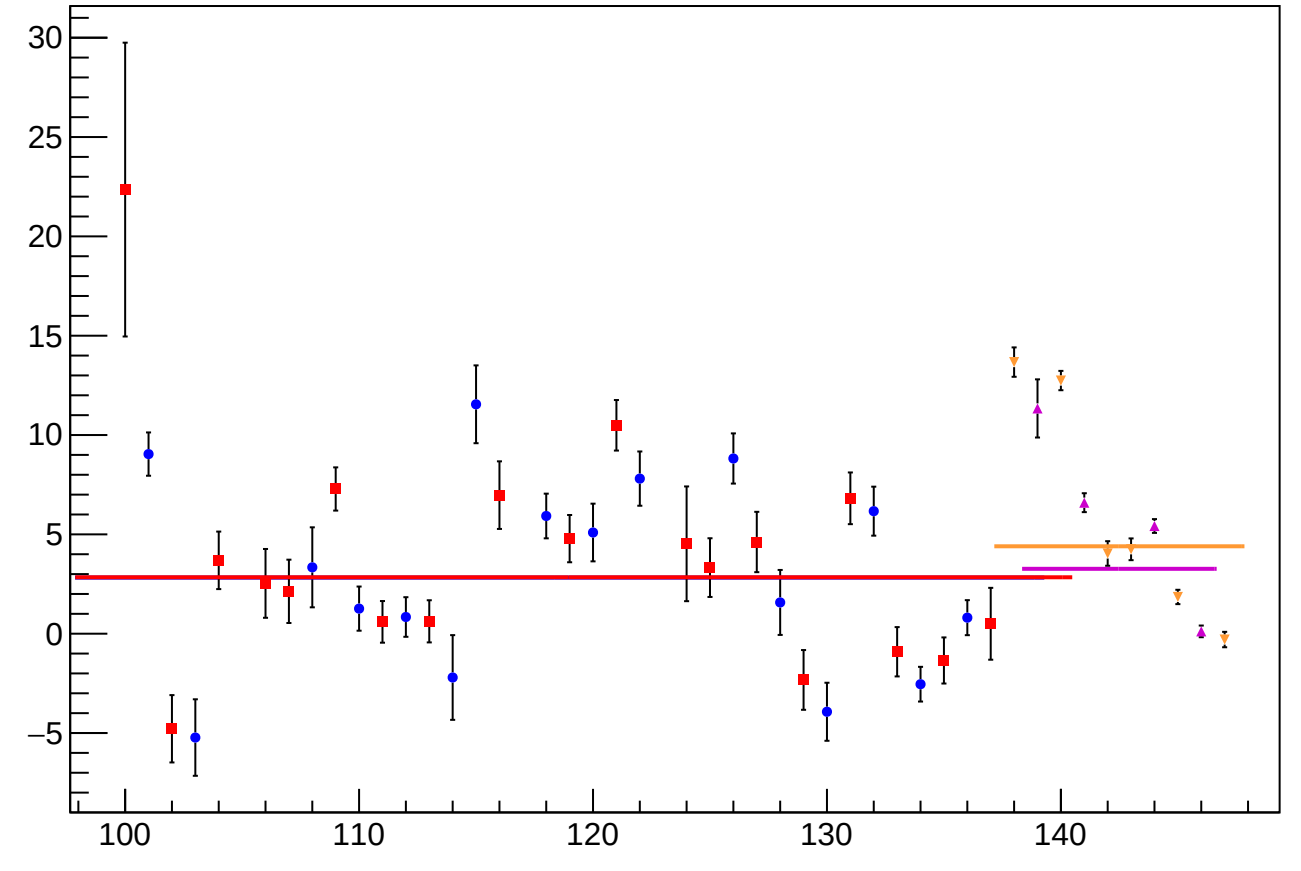
Left: -9.884+/-0.196 χ^2/NDF: 1410.8/9

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -4.045+/-0.200 χ^2/NDF:820.7/19

Out: -6.009+/-0.189 χ^2/NDF:2592.9/24

All: -5.082+/-0.137 χ^2/NDF: 3464.5/44



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.400+/-0.195 χ^2/NDF:648.0/5

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 3.266+/-0.201 χ^2/NDF:232.6/3

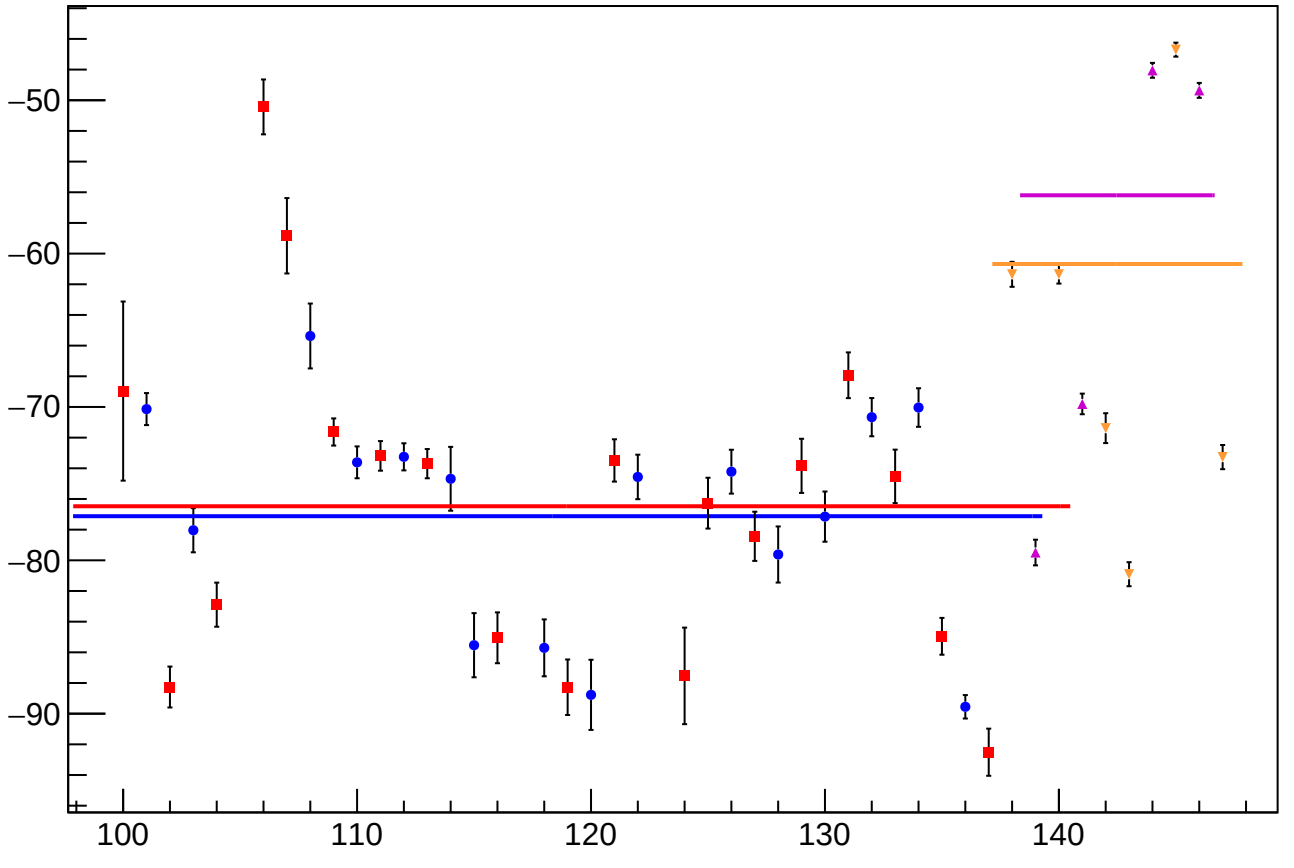
Left: 3.850+/-0.140 χ^2/NDF: 896.9/9

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 3.137+/-0.169 χ^2/NDF:433.5/19

Out: 3.982+/-0.167 χ^2/NDF:810.1/24

All: 3.565+/-0.119 χ^2/NDF: 1256.3/44



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -60.678+/-0.274 χ^2/NDF:1985.9/5

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -56.197+/-0.288 χ^2/NDF:1662.3/3

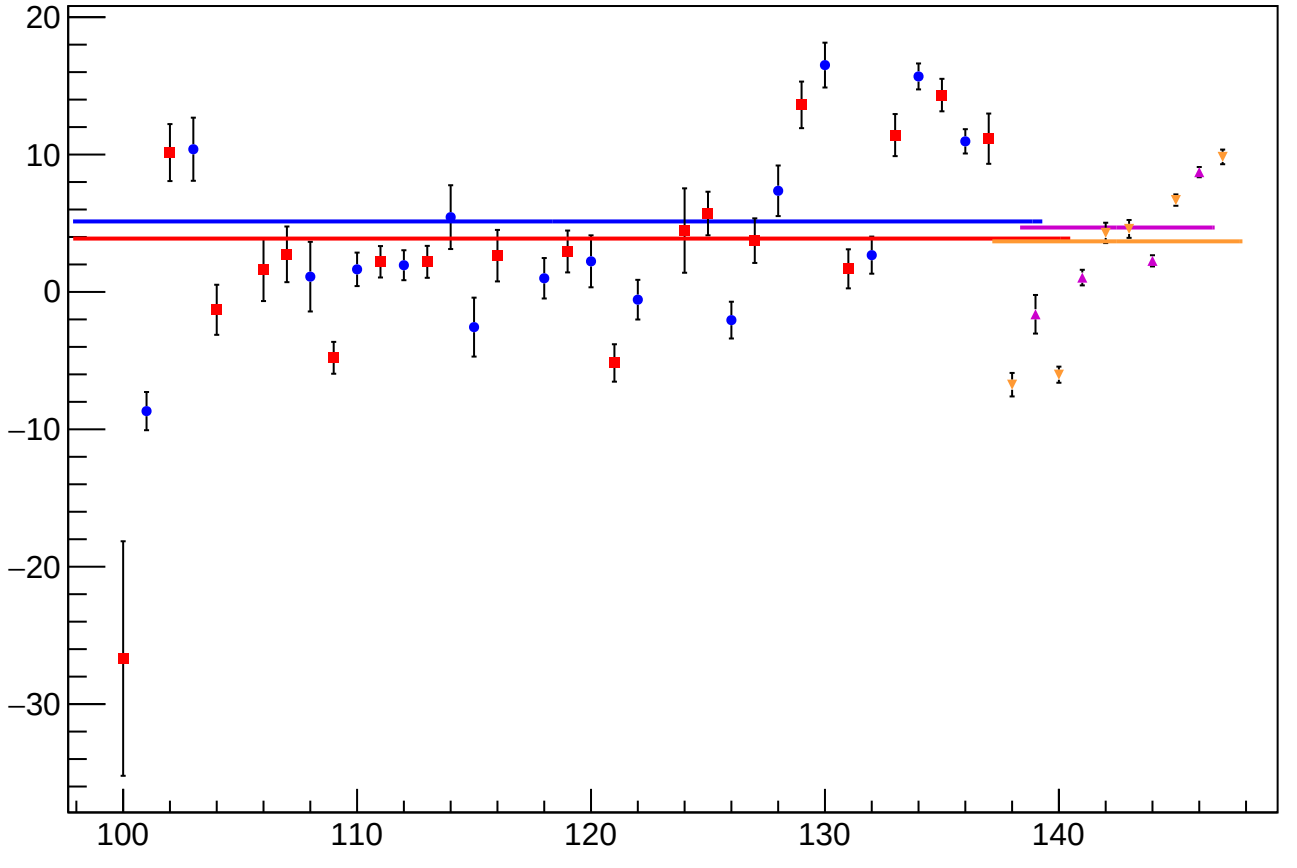
Left: -58.546+/-0.198 χ^2/NDF: 3775.3/9

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -65.349+/-0.216 χ^2/NDF:4479.9/19

Out: -67.160+/-0.210 χ^2/NDF:4045.5/24

All: -66.277+/-0.151 χ^2/NDF: 8561.5/44



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.682+/-0.237 χ^2/NDF:611.2/5

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 4.689+/-0.243 χ^2/NDF:214.3/3

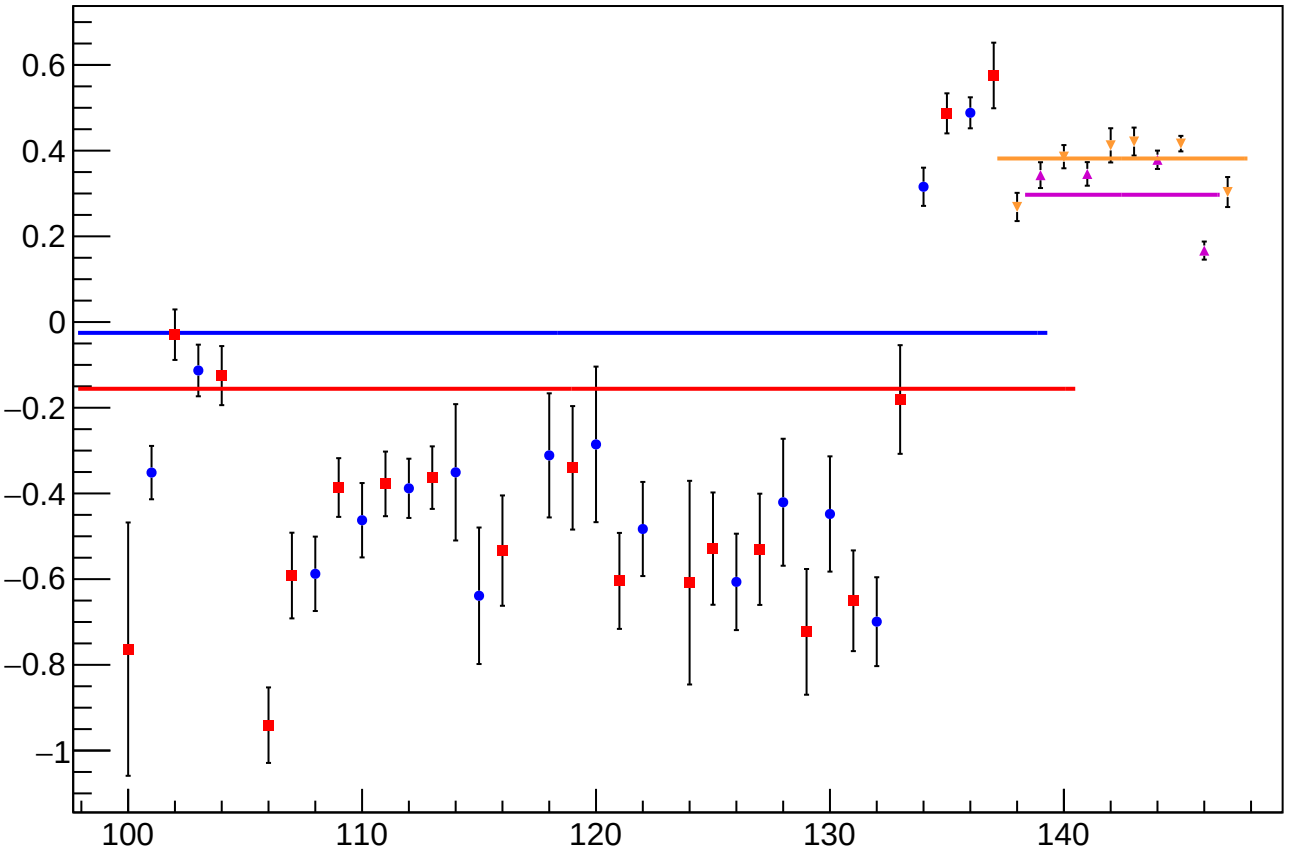
Left: 4.172+/-0.170 χ^2/NDF: 834.3/9

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.833+/-0.200 χ^2/NDF:627.8/19

Out: 3.743+/-0.198 χ^2/NDF:902.9/24

All: 4.284+/-0.141 χ^2/NDF: 1545.7/44



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.382+/-0.011 χ^2/NDF:22.6/5

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.297+/-0.012 χ^2/NDF:58.0/3

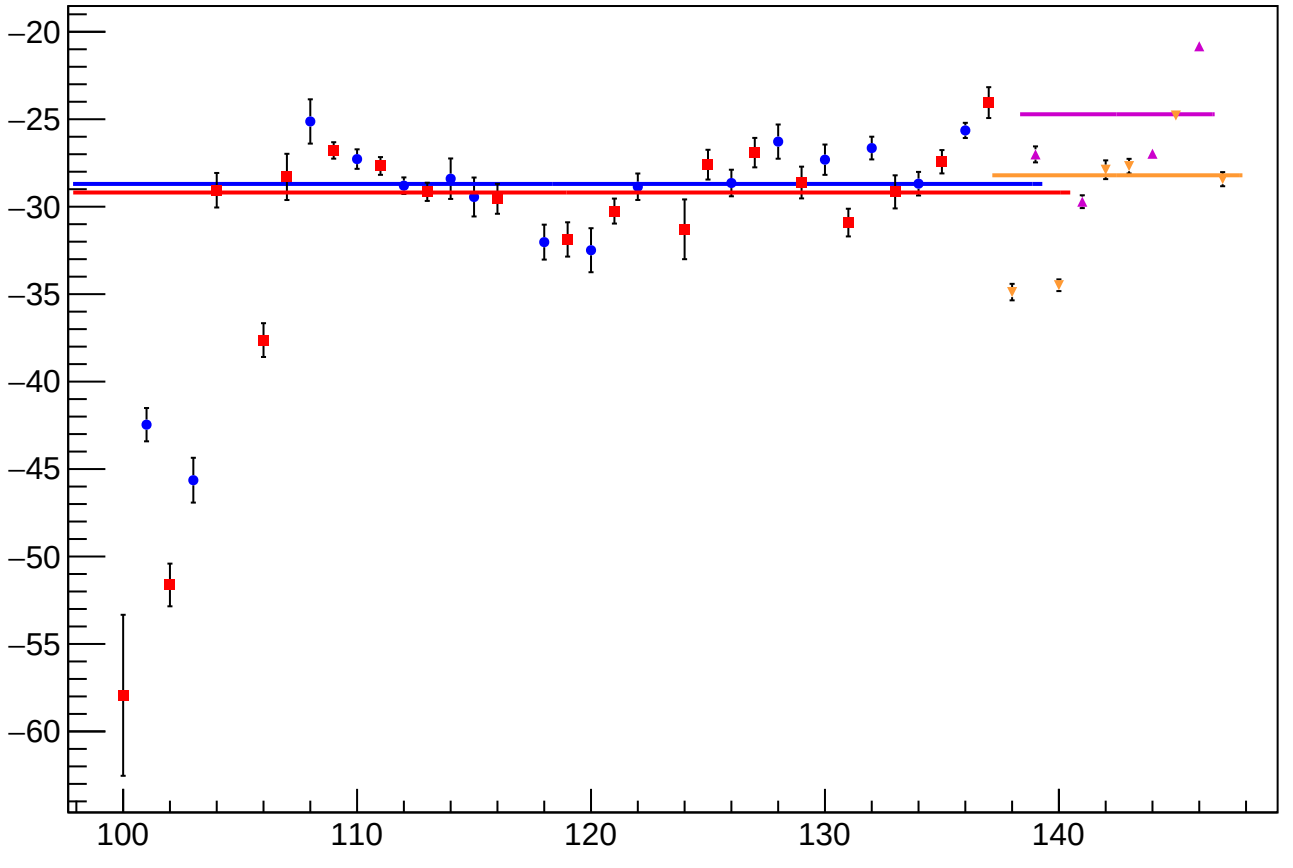
Left: 0.342+/-0.008 χ^2/NDF: 106.6/9

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.204+/-0.010 χ^2/NDF:776.2/19

Out: 0.252+/-0.010 χ^2/NDF:1054.3/24

All: 0.229+/-0.007 χ^2/NDF: 1842.2/44



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.205+/-0.137 χ^2/NDF:840.1/5

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -24.716+/-0.135 χ^2/NDF:664.4/3

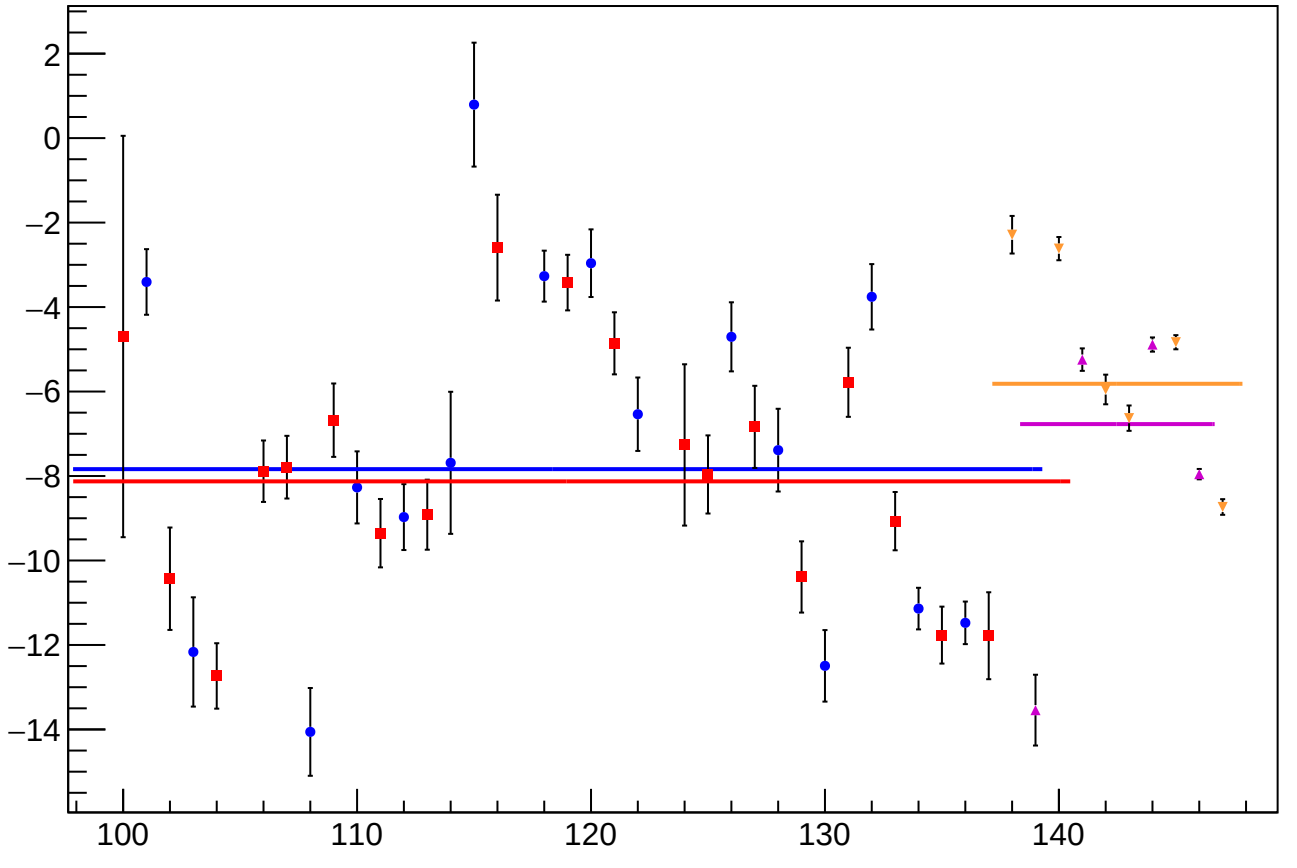
Left: -26.431+/-0.096 χ^2/NDF: 1833.6/9

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.089+/-0.109 χ^2/NDF:1452.5/19

Out: -28.563+/-0.109 χ^2/NDF:1416.1/24

All: -27.324+/-0.077 χ^2/NDF: 3125.0/44



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -5.816+/-0.099 χ^2/NDF:488.3/5

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.771+/-0.092 χ^2/NDF:316.6/3

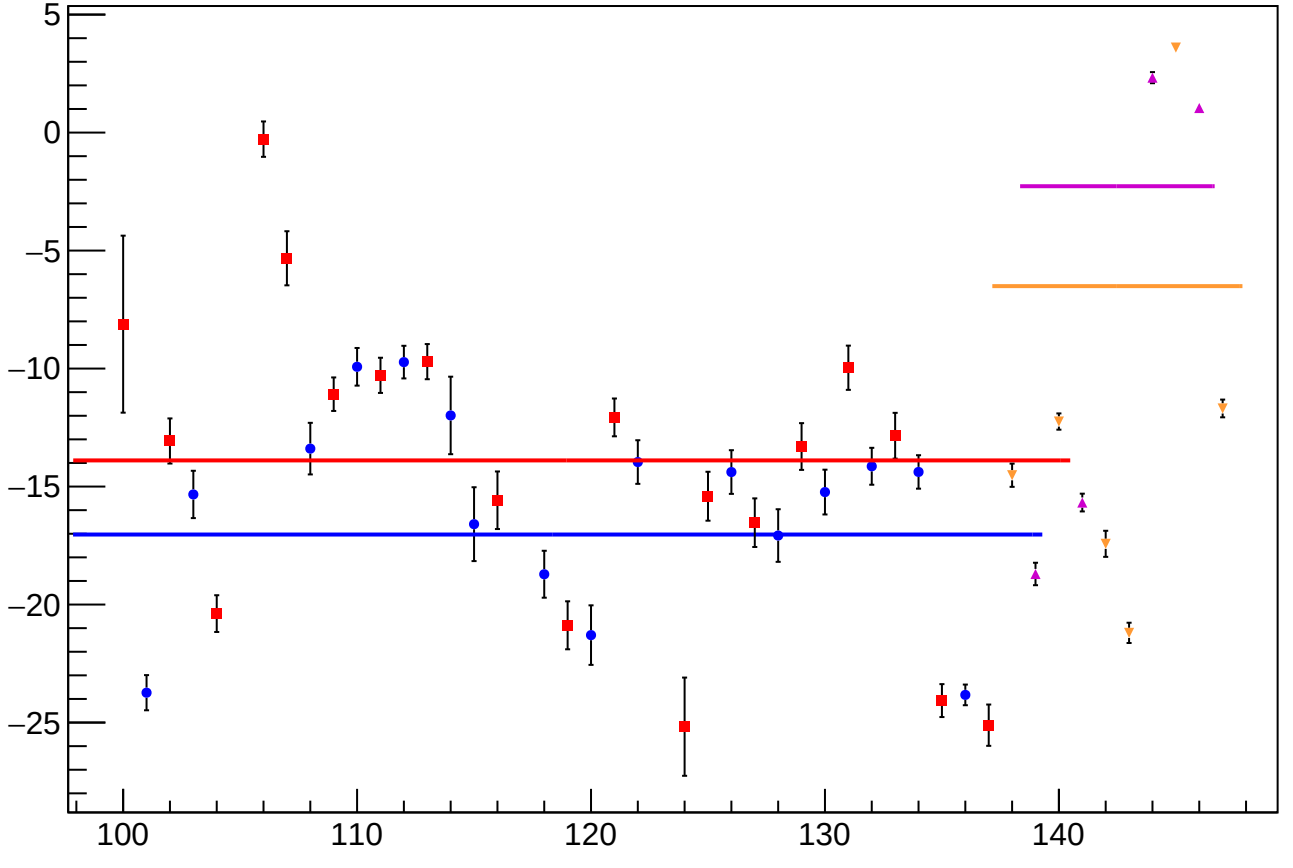
Left: -6.326+/-0.068 χ^2/NDF: 854.6/9

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.966+/-0.083 χ^2/NDF:724.3/19

Out: -6.282+/-0.088 χ^2/NDF:795.8/24

All: -6.644+/-0.061 χ^2/NDF: 1551.7/44



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -6.507+/-0.139 χ^2/NDF:4656.9/5

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -2.273+/-0.135 χ^2/NDF:3122.3/3

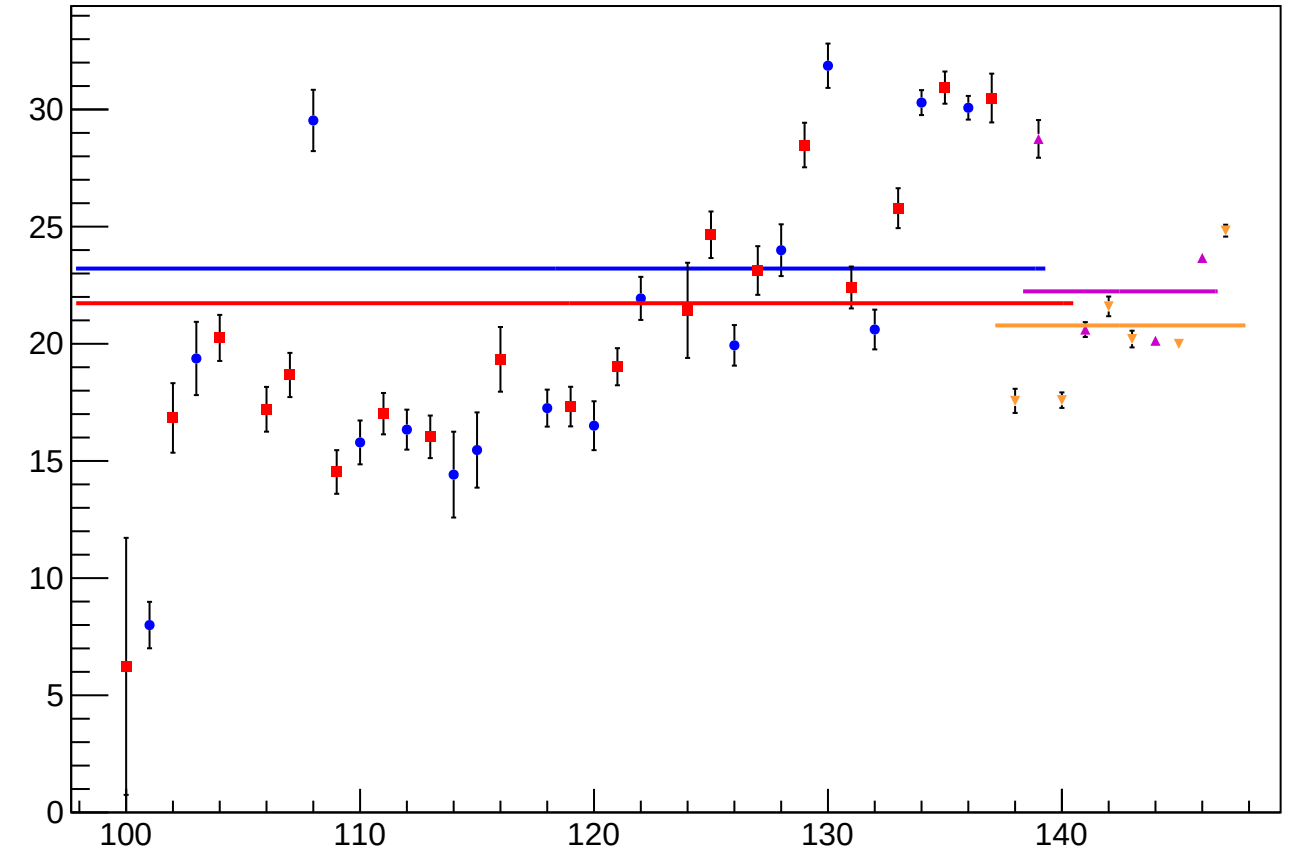
Left: -4.321+/-0.097 χ^2/NDF: 8255.5/9

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -6.604+/-0.113 χ^2/NDF:7234.8/19

Out: -8.776+/-0.116 χ^2/NDF:6536.6/24

All: -7.665+/-0.081 χ^2/NDF: 13950.4/44



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 20.784+/-0.120 χ^2/NDF:408.1/5

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.237+/-0.112 χ^2/NDF:291.8/3

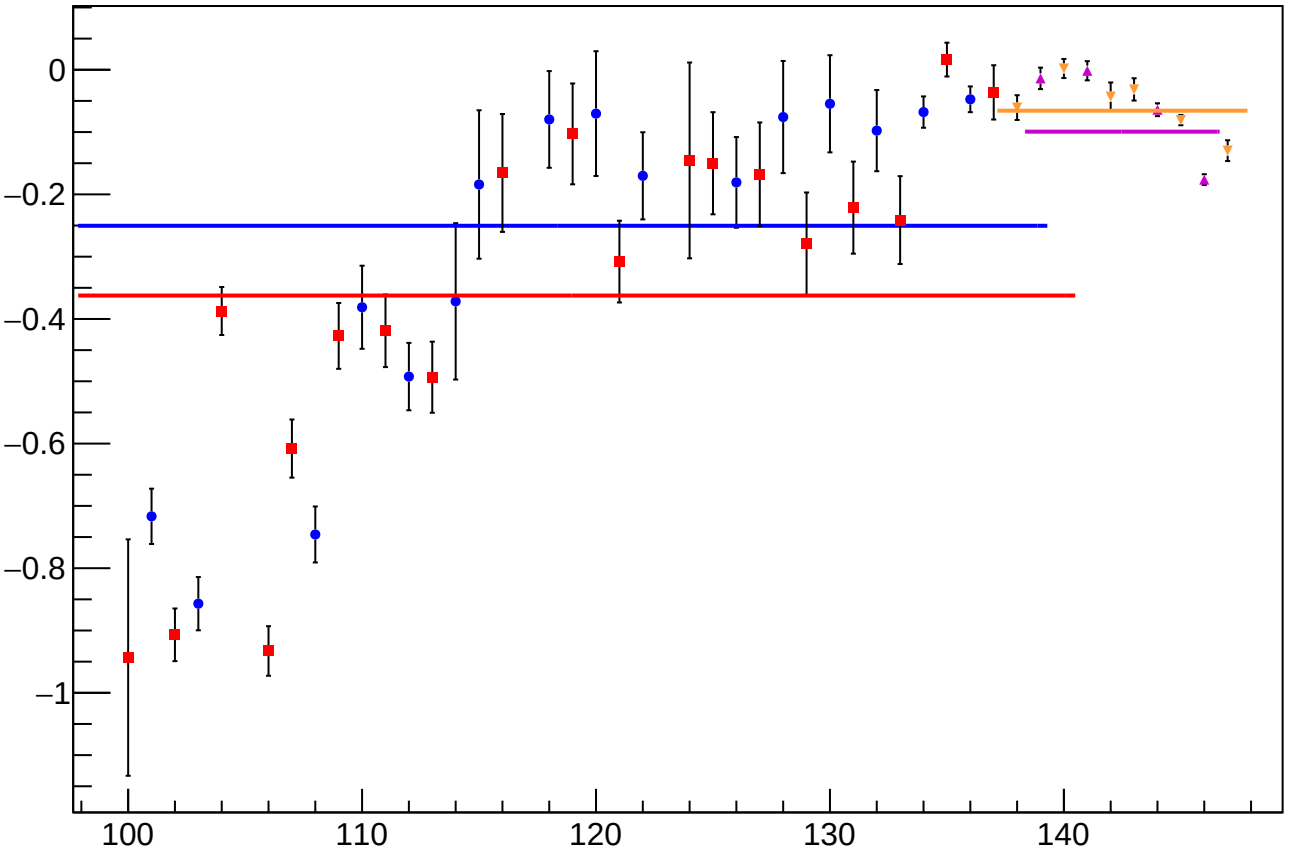
Left: 21.561+/-0.082 χ^2/NDF: 778.0/9

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.441+/-0.100 χ^2/NDF:1315.8/19

Out: 20.995+/-0.106 χ^2/NDF:980.2/24

All: 21.762+/-0.073 χ^2/NDF: 2394.6/44



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.066+/-0.006 χ^2/NDF:42.3/5

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.099+/-0.006 χ^2/NDF:156.0/3

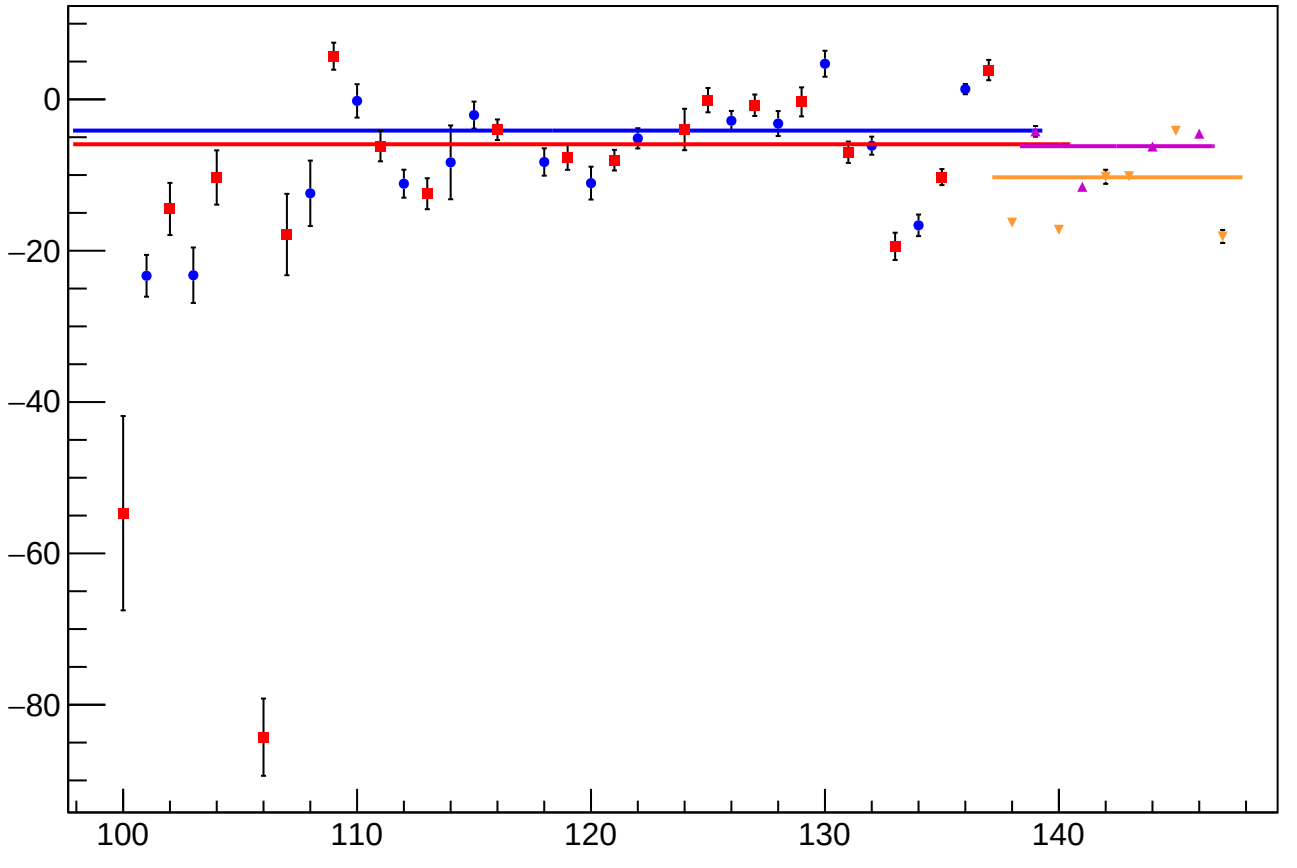
Left: -0.083+/-0.004 χ^2/NDF: 215.5/9

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.129+/-0.005 χ^2/NDF:924.7/19

Out: -0.119+/-0.005 χ^2/NDF:1220.8/24

All: -0.124+/-0.004 χ^2/NDF: 2147.4/44



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.299+/-0.238 χ^2/NDF:600.6/5

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -6.186+/-0.248 χ^2/NDF:97.2/3

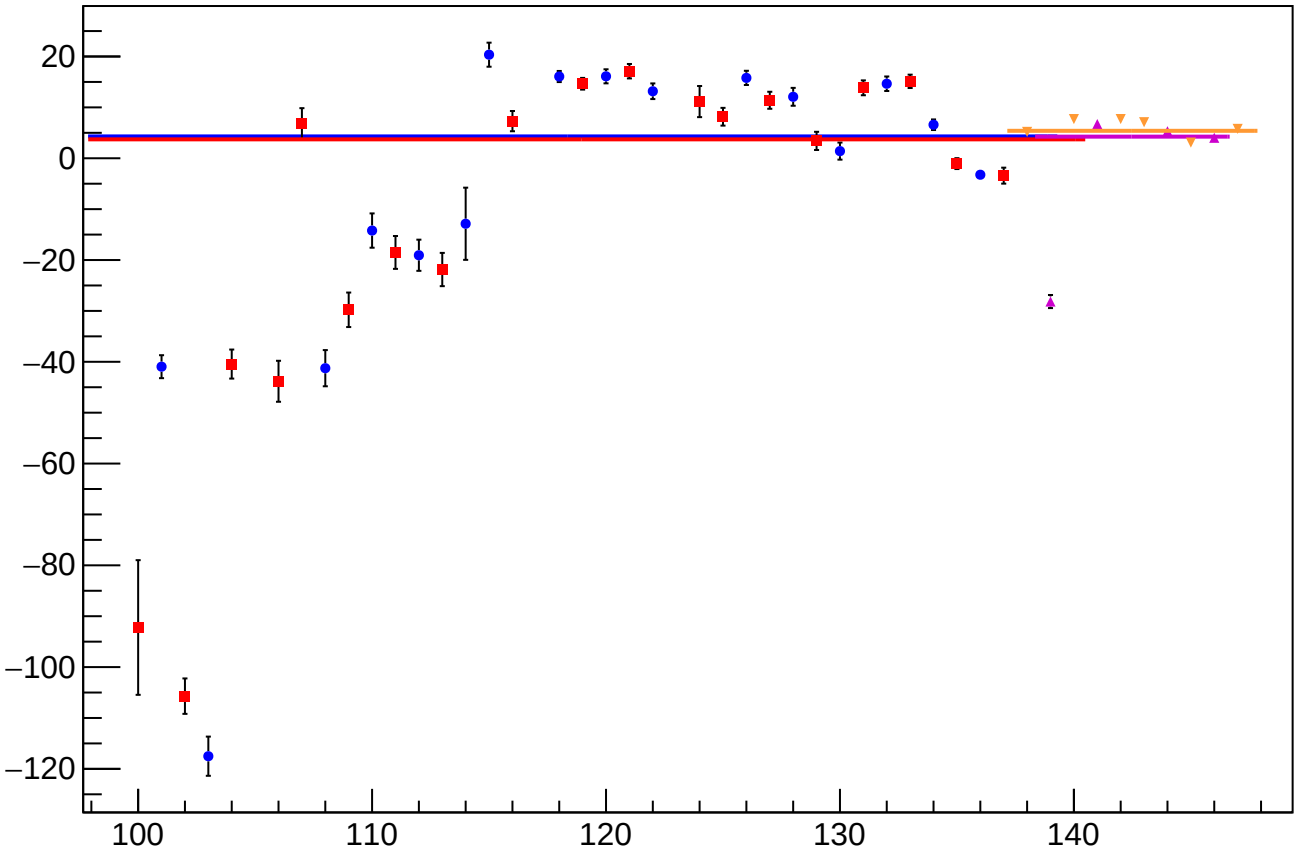
Left: -8.326+/-0.172 χ^2/NDF: 841.4/9

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -5.575+/-0.208 χ^2/NDF:405.7/19

Out: -9.190+/-0.205 χ^2/NDF:1169.0/24

All: -7.403+/-0.146 χ^2/NDF: 1727.8/44



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.395+/-0.177 χ^2/NDF:113.9/5

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.250+/-0.176 χ^2/NDF:677.5/3

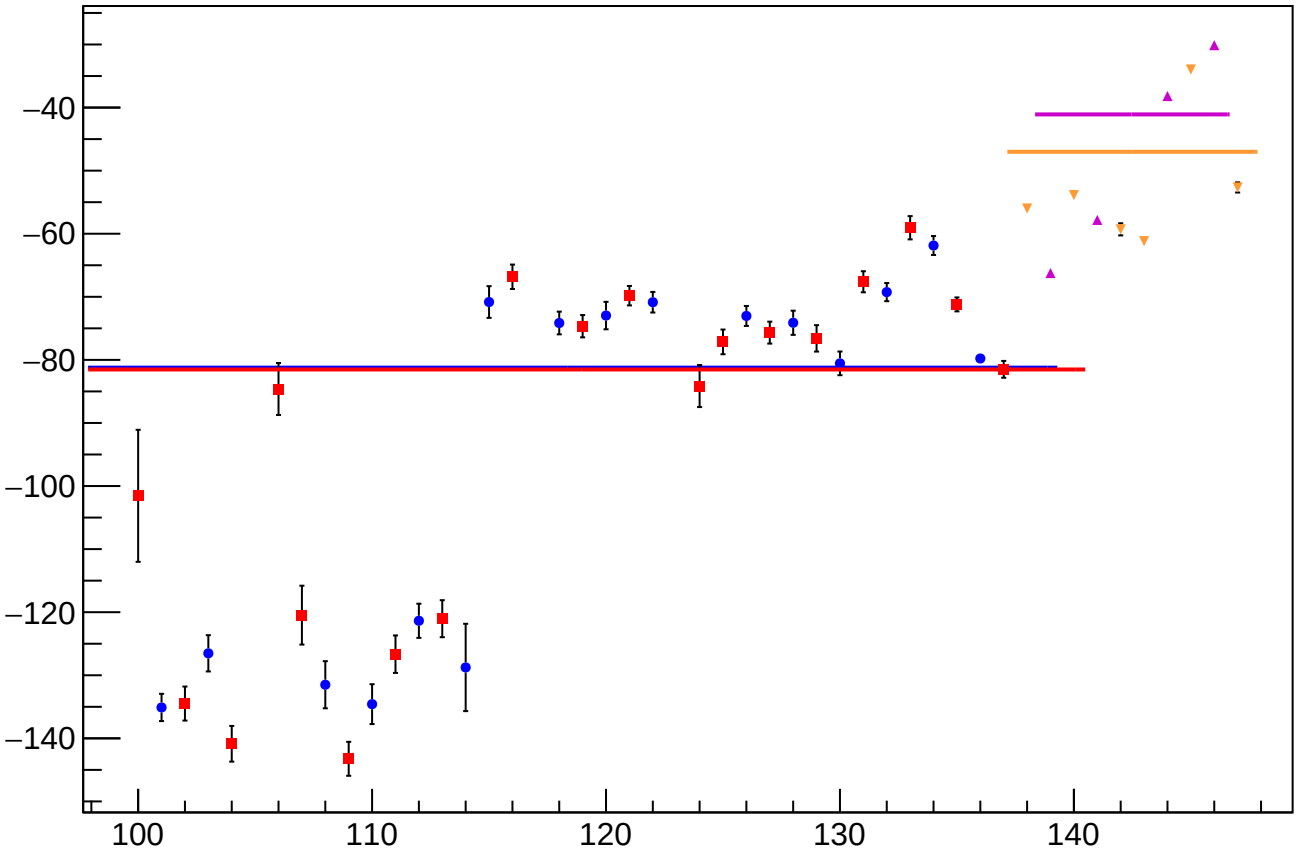
Left: 4.821+/-0.125 χ^2/NDF: 812.5/9

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.257+/-0.160 χ^2/NDF:2846.7/19

Out: 5.145+/-0.163 χ^2/NDF:2134.6/24

All: 4.693+/-0.114 χ^2/NDF: 4996.3/44



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -47.011+/-0.243 χ^2/NDF:2142.0/5

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -41.084+/-0.249 χ^2/NDF:2659.9/3

Left: -44.115+/-0.174 χ^2/NDF: 5091.5/9

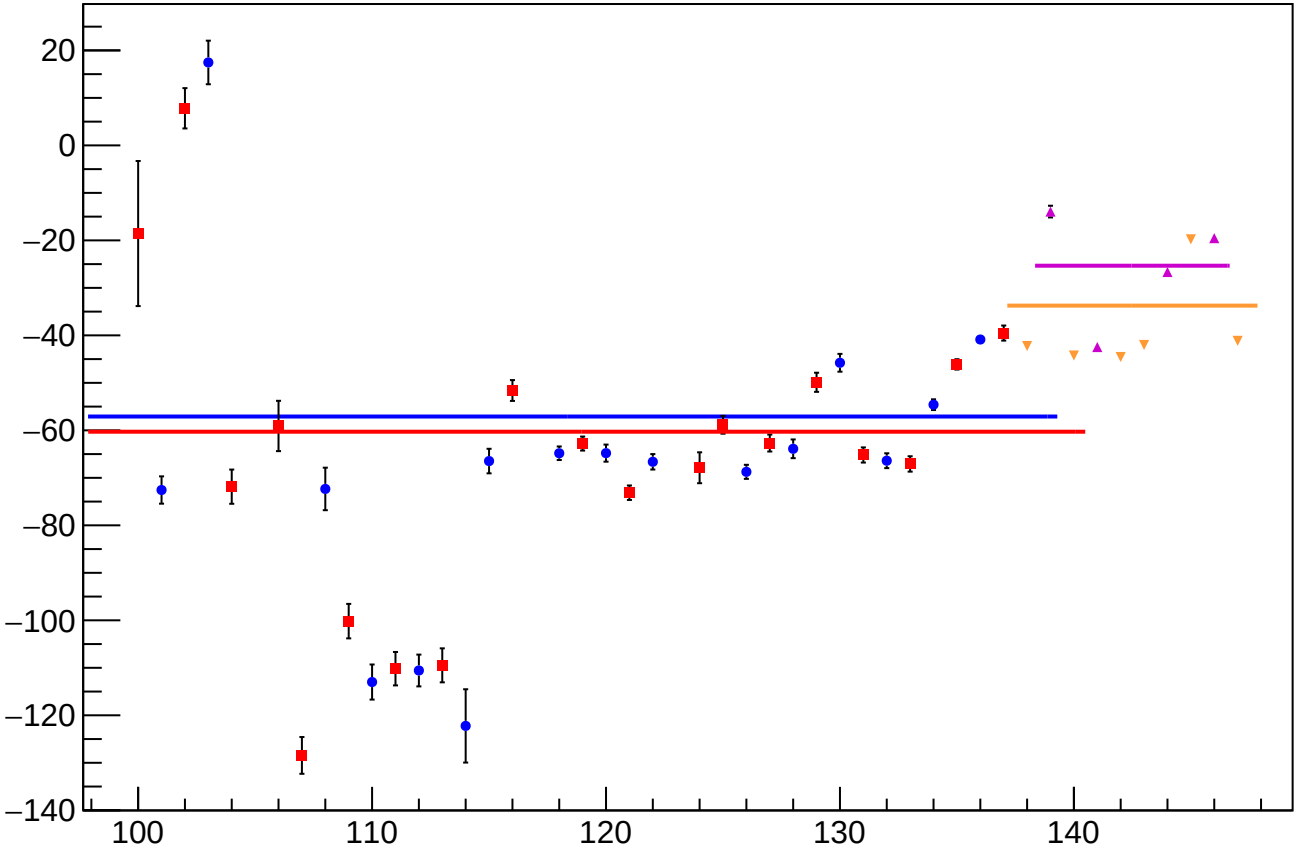
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.646+/-0.214 χ^2/NDF:11466.9/19

Out: -54.522+/-0.215 χ^2/NDF:8808.6/24

All: -53.074+/-0.152 χ^2/NDF: 20365.3/44

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.739+/-0.213 χ^2/NDF:2796.3/5

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -25.334+/-0.212 χ^2/NDF:1441.5/3

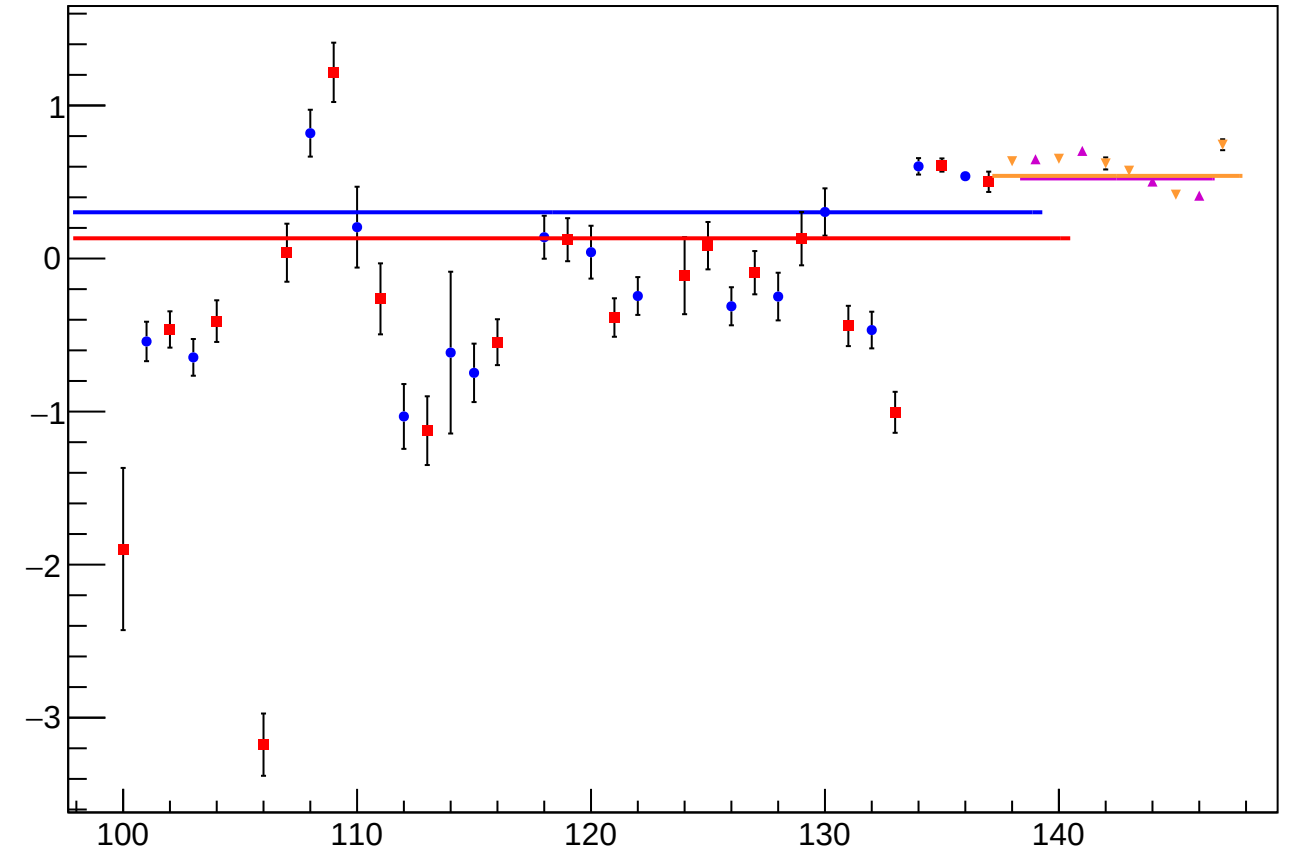
Left: -29.527+/-0.150 χ^2/NDF: 5019.8/9

Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -31.658+/-0.190 χ^2/NDF:7423.9/19

Out: -38.254+/-0.194 χ^2/NDF:7031.8/24

All: -34.890+/-0.136 χ^2/NDF: 15046.5/44



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.540+/-0.010 χ^2/NDF:135.8/5

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.523+/-0.011 χ^2/NDF:113.3/3

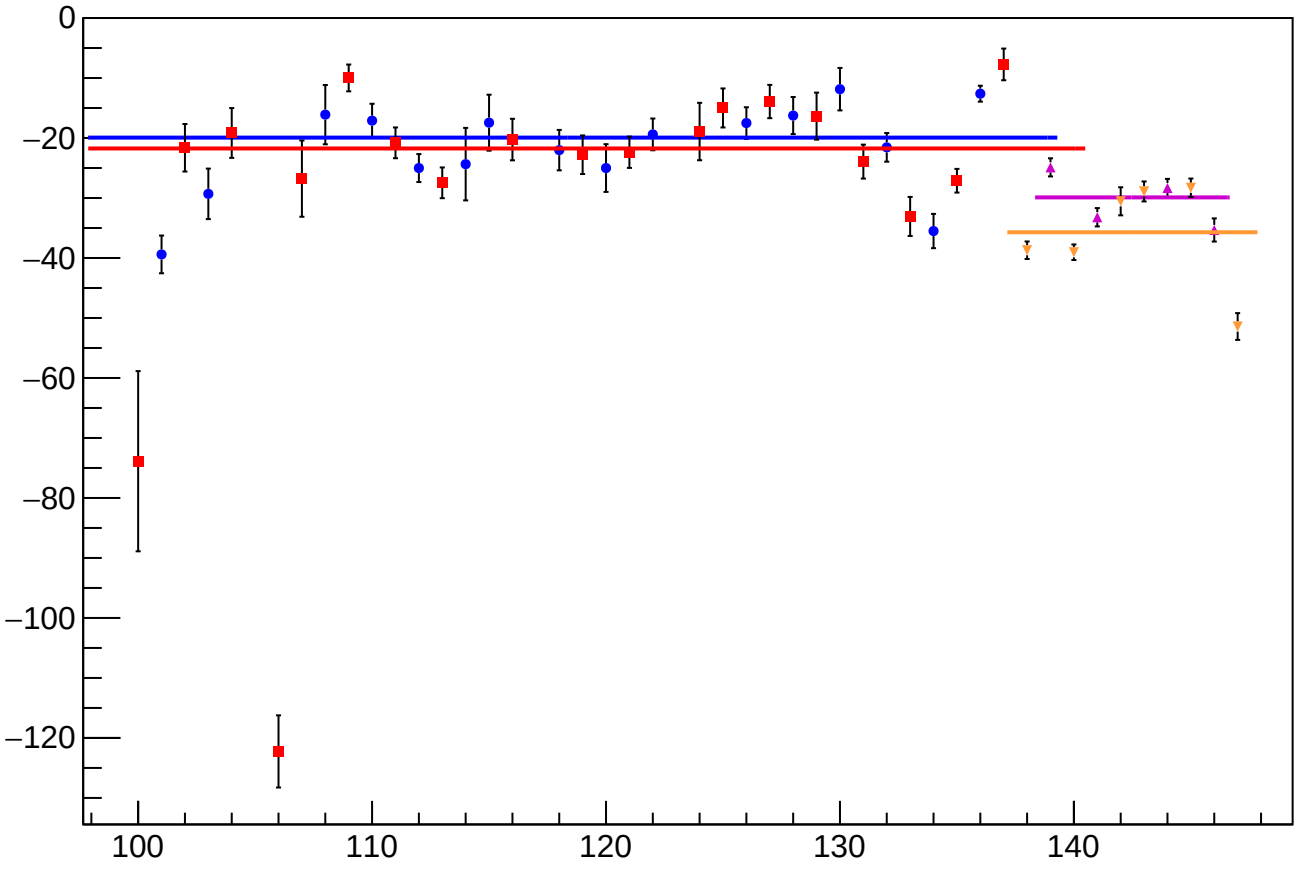
Left: 0.532+/-0.007 χ^2/NDF: 250.5/9

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.485+/-0.010 χ^2/NDF:564.9/19

Out: 0.489+/-0.009 χ^2/NDF:1015.3/24

All: 0.487+/-0.007 χ^2/NDF: 1580.3/44



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -35.709+/-0.669 χ^2/NDF:105.2/5

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -29.901+/-0.798 χ^2/NDF:24.7/3

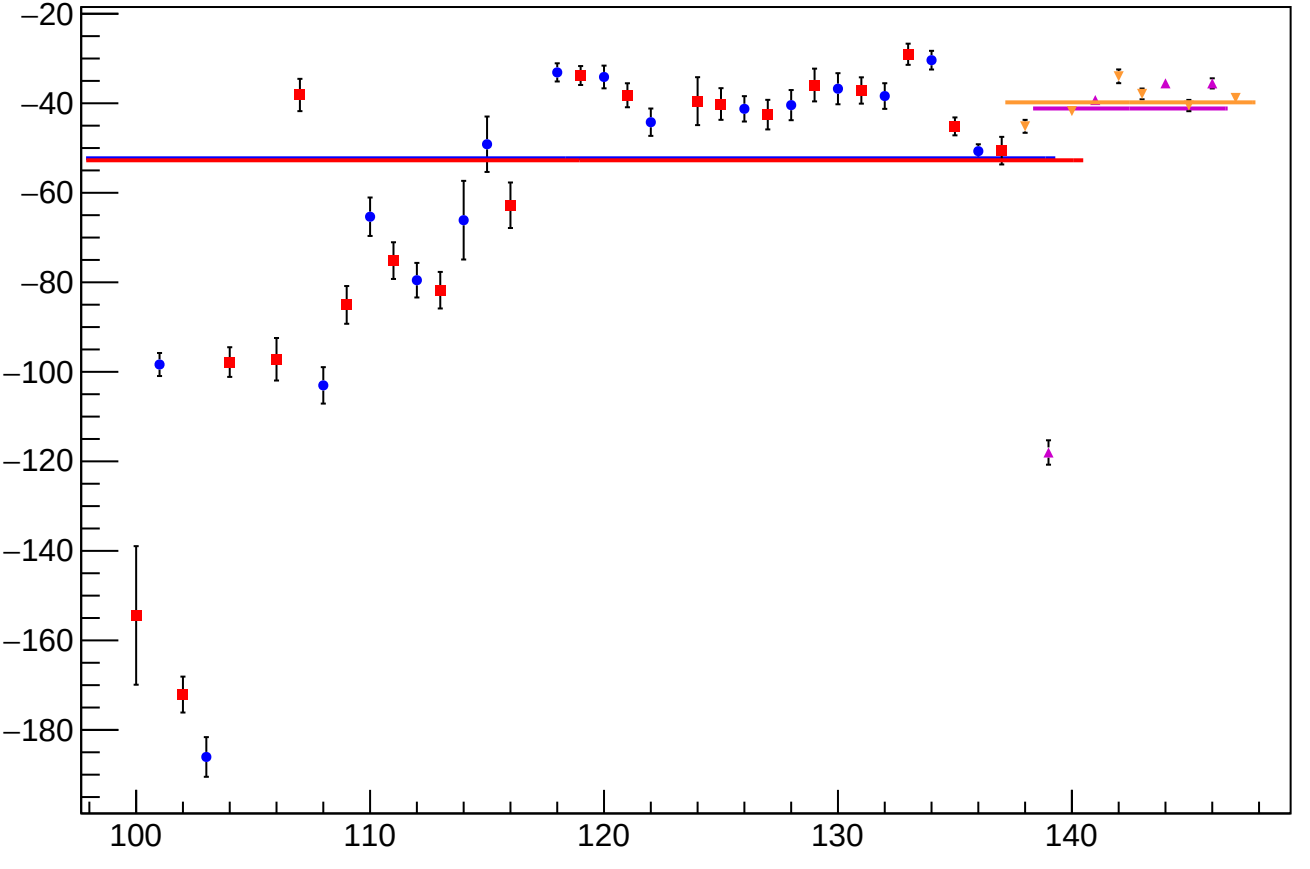
Left: -33.313+/-0.513 χ^2/NDF: 161.0/9

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -24.230+/-0.524 χ^2/NDF:233.9/19

Out: -29.176+/-0.488 χ^2/NDF:697.3/24

All: -26.879+/-0.357 χ^2/NDF: 978.9/44



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.795+/-0.499 χ^2/NDF:35.0/5

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -41.164+/-0.631 χ^2/NDF:846.9/3

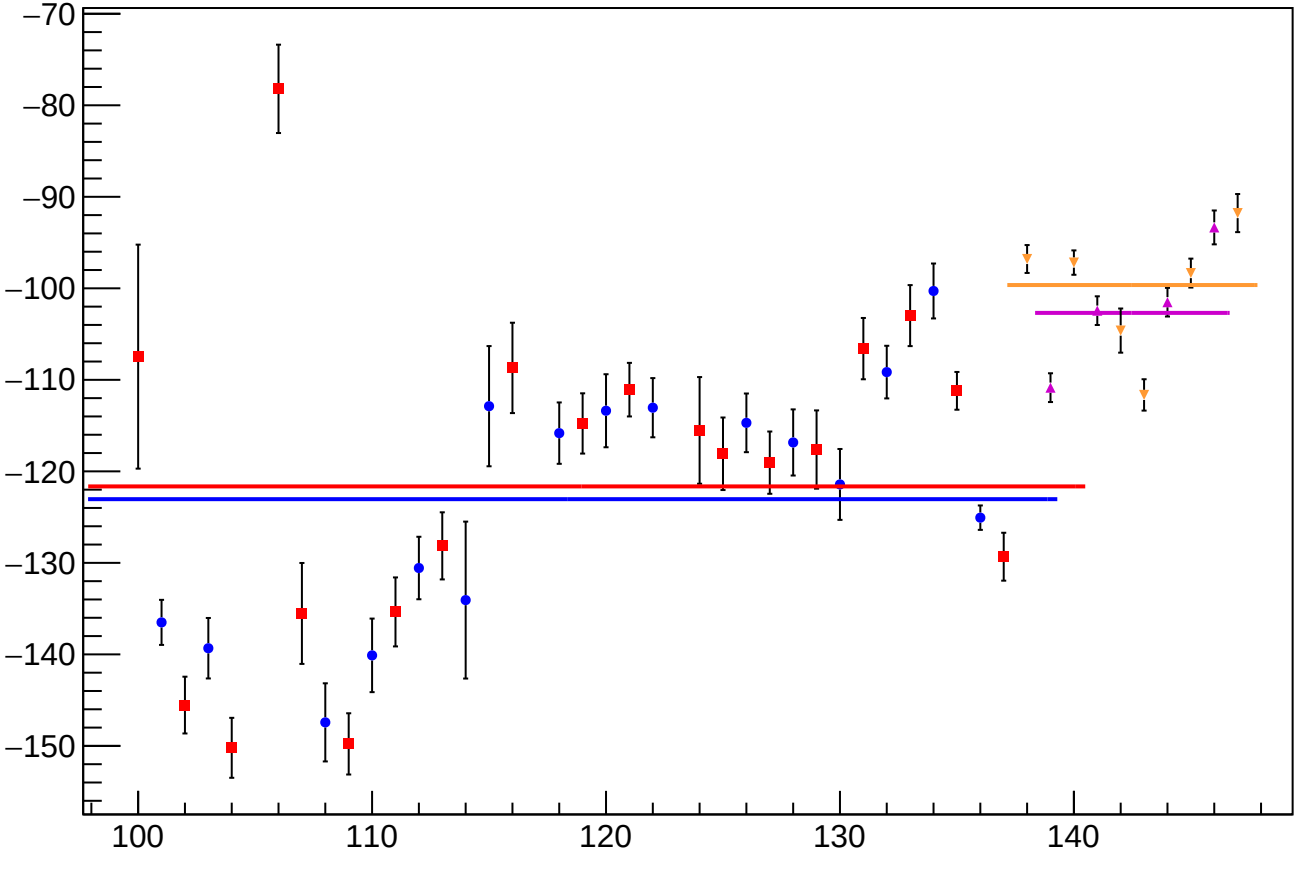
Left: -40.321+/-0.391 χ^2/NDF: 884.9/9

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -46.095+/-0.471 χ^2/NDF:2762.8/19

Out: -43.775+/-0.415 χ^2/NDF:1904.8/24

All: -44.789+/-0.311 χ^2/NDF: 4681.2/44



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.641+/-0.684 χ^2/NDF:75.2/5

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -102.685+/-0.814 χ^2/NDF:53.0/3

Left: -100.902+/-0.524 χ^2/NDF: 136.4/9

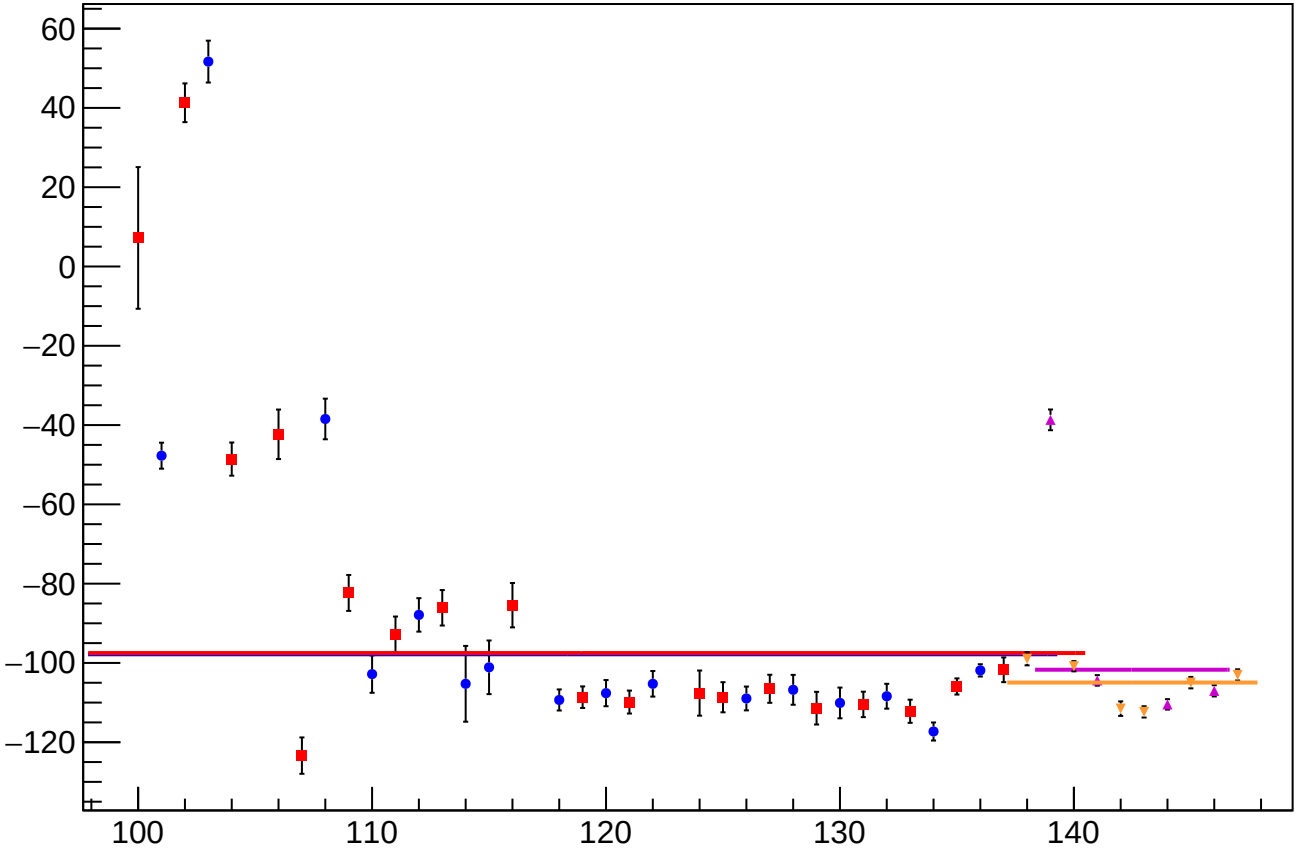
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -113.688+/-0.551 χ^2/NDF:618.2/19

Out: -108.917+/-0.520 χ^2/NDF:936.0/24

All: -111.163+/-0.378 χ^2/NDF: 1593.9/44

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: -104.942+/-0.605 χ^2/NDF:64.9/5

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -101.709+/-0.748 χ^2/NDF:643.1/3

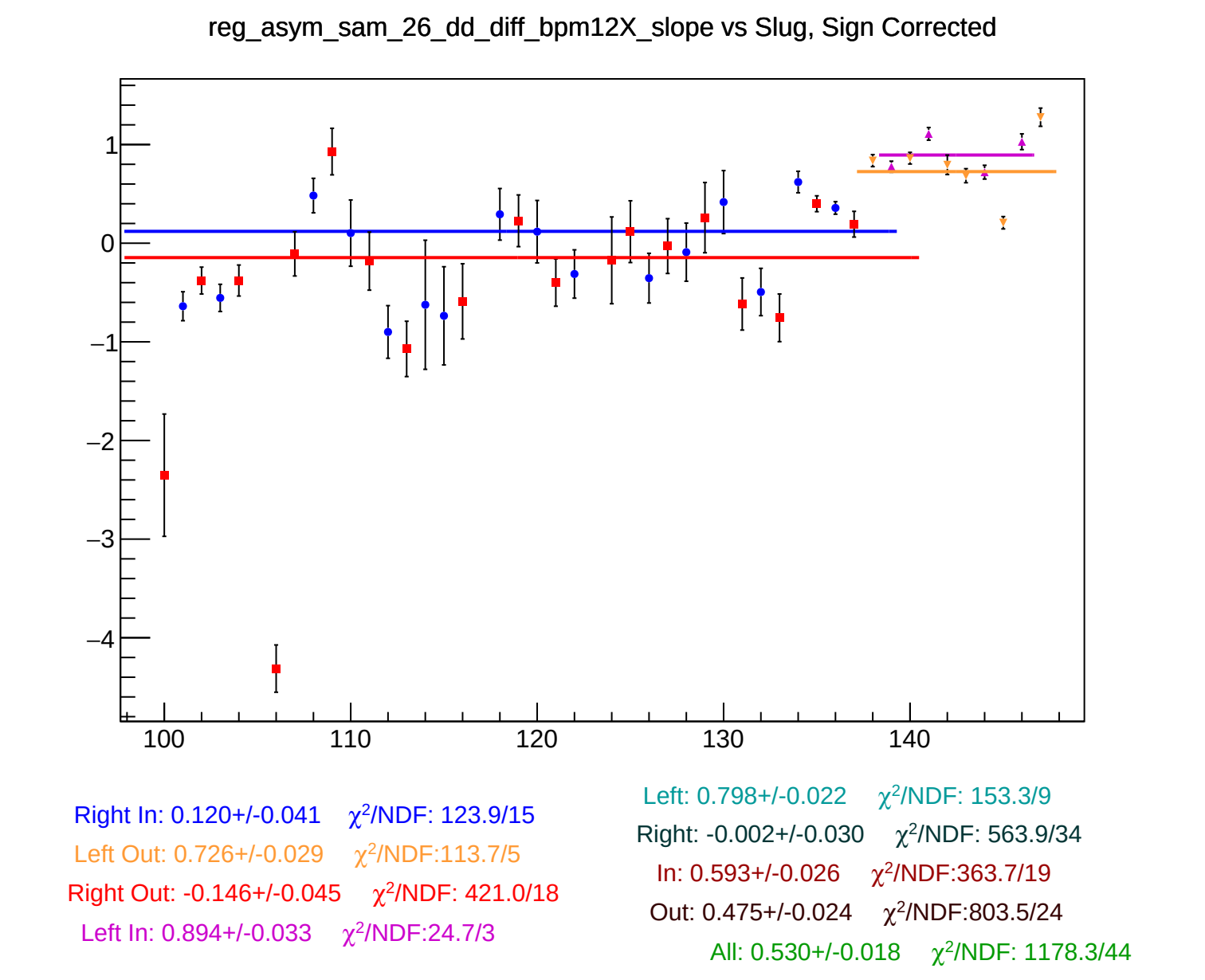
Left: -103.664+/-0.470 χ^2/NDF: 719.3/9

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

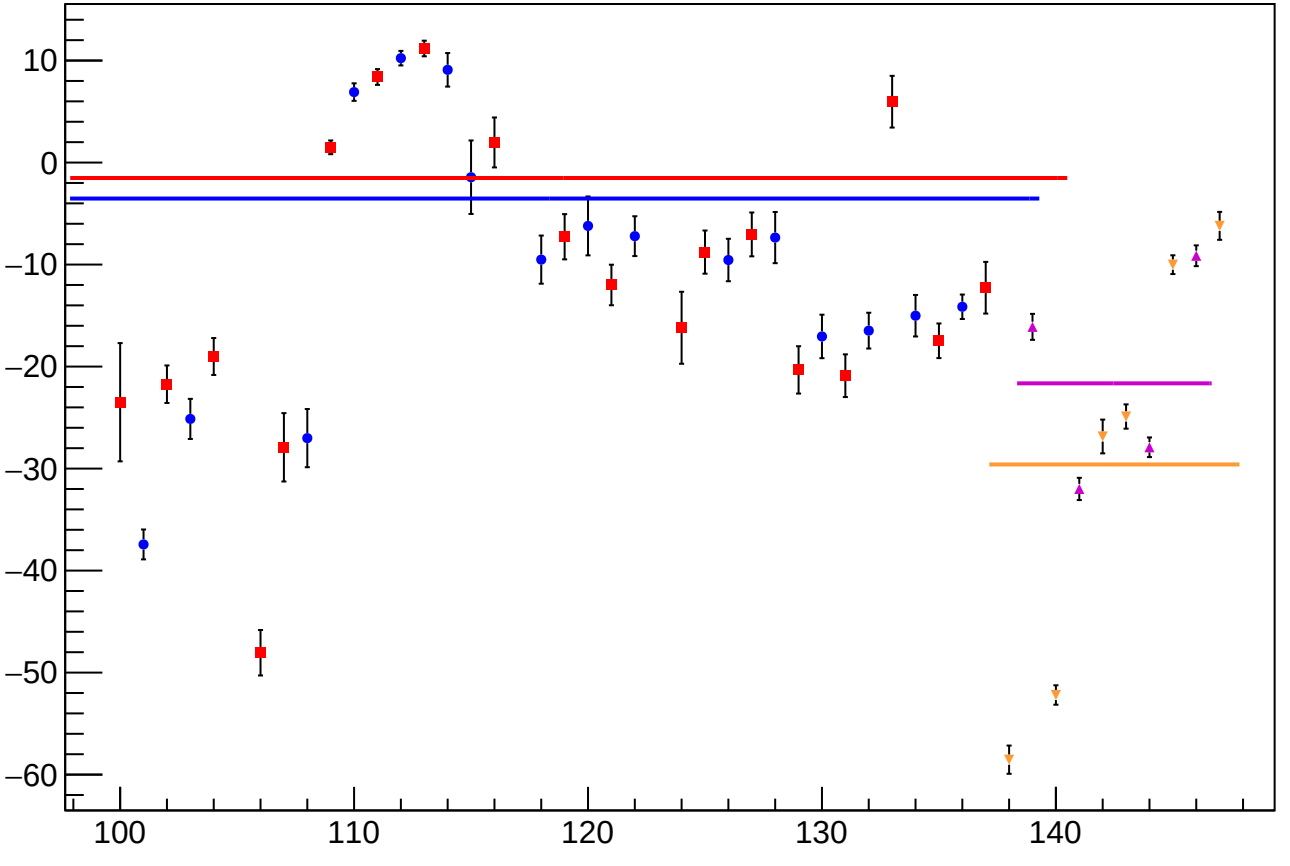
In: -99.875+/-0.544 χ^2/NDF:1986.7/19

Out: -102.413+/-0.491 χ^2/NDF:1352.8/24

All: -101.273+/-0.365 χ^2/NDF: 3351.5/44


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
Right In: 0.120+/-0.041 χ²/NDF: 123.9/15
Left Out: 0.726+/-0.029 χ²/NDF:113.7/5
Right Out: -0.146+/-0.045 χ²/NDF: 421.0/18
Left In: 0.894+/-0.033 χ²/NDF:24.7/3
Left: 0.798+/-0.022 χ²/NDF: 153.3/9
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.593+/-0.026 χ²/NDF:363.7/19
Out: 0.475+/-0.024 χ²/NDF:803.5/24
All: 0.530+/-0.018 χ²/NDF: 1178.3/44

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -29.596+/-0.476 χ^2/NDF:1762.3/5

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -21.644+/-0.535 χ^2/NDF:302.1/3

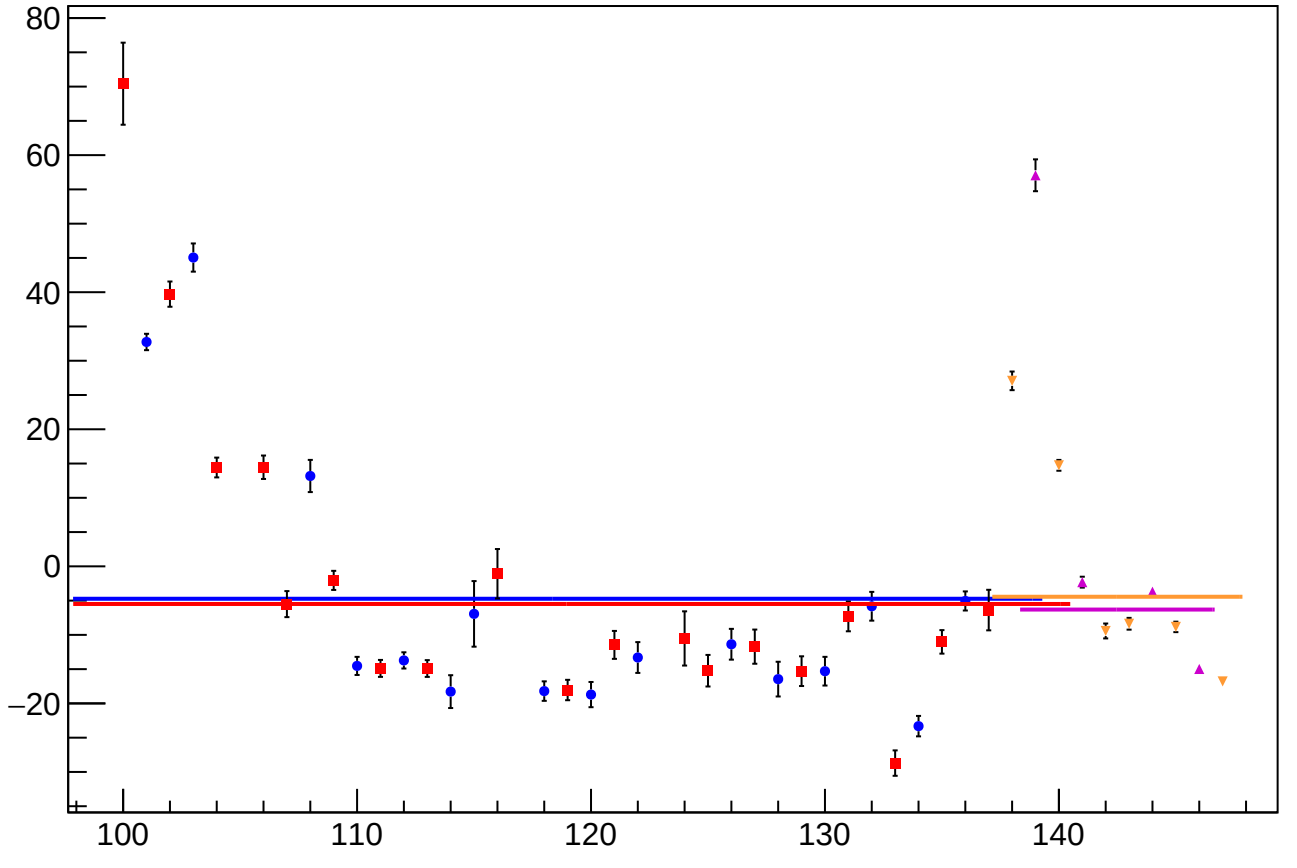
Left: -26.076+/-0.356 χ^2/NDF: 2187.8/9

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -9.540+/-0.308 χ^2/NDF:2598.6/19

Out: -10.934+/-0.276 χ^2/NDF:5596.7/24

All: -10.314+/-0.205 χ^2/NDF: 8206.7/44



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -4.436+/-0.342 χ^2/NDF:1580.8/5

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -6.306+/-0.395 χ^2/NDF:983.0/3

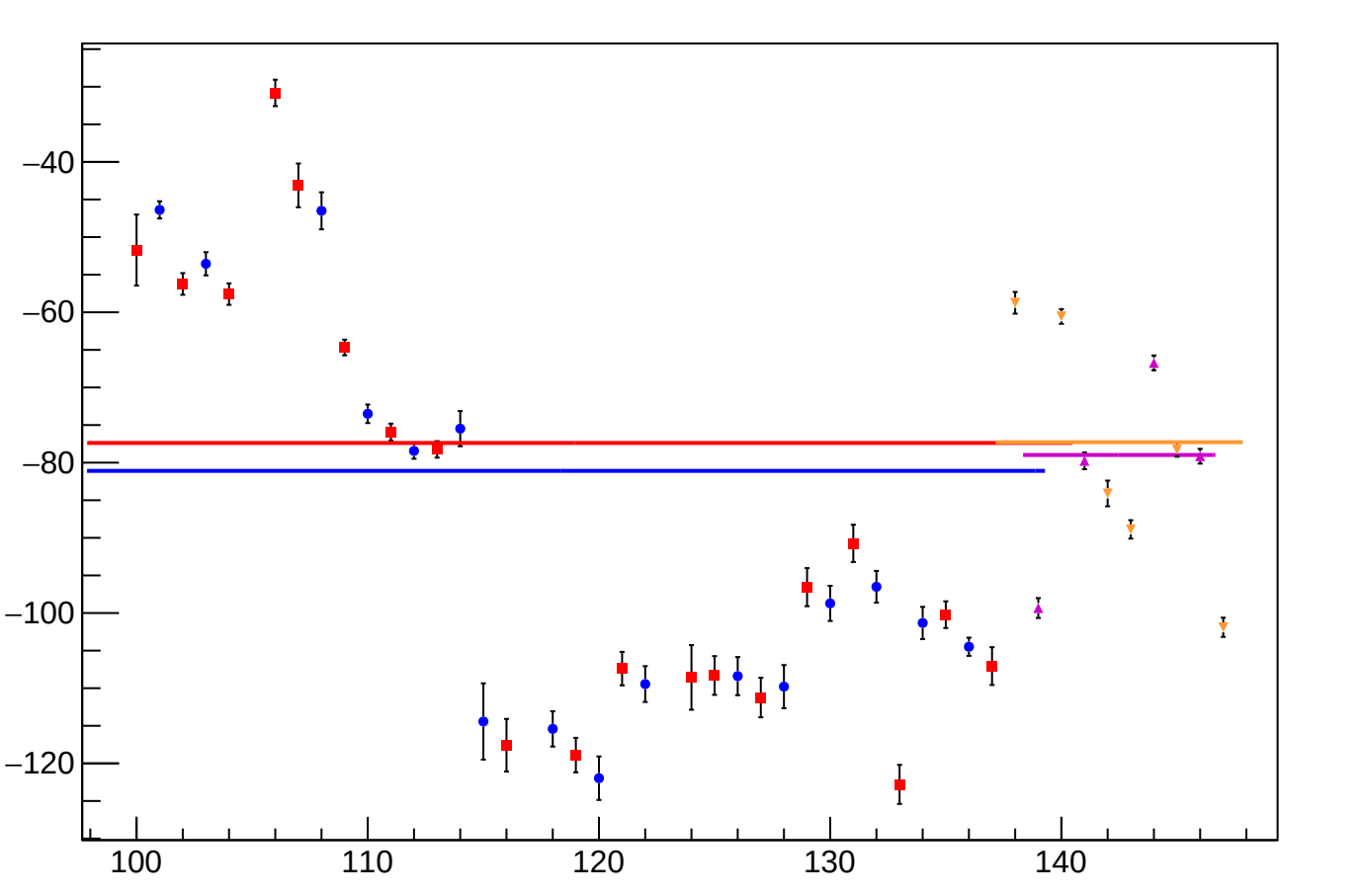
Left: -5.239+/-0.259 χ^2/NDF: 2576.6/9

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -5.587+/-0.291 χ^2/NDF:3138.3/19

Out: -4.854+/-0.266 χ^2/NDF:3093.1/24

All: -5.187+/-0.196 χ^2/NDF: 6234.9/44



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -77.278+/-0.484 χ^2/NDF:934.0/5

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -78.978+/-0.540 χ^2/NDF:389.0/3

Left: -78.036+/-0.361 χ^2/NDF: 1328.4/9

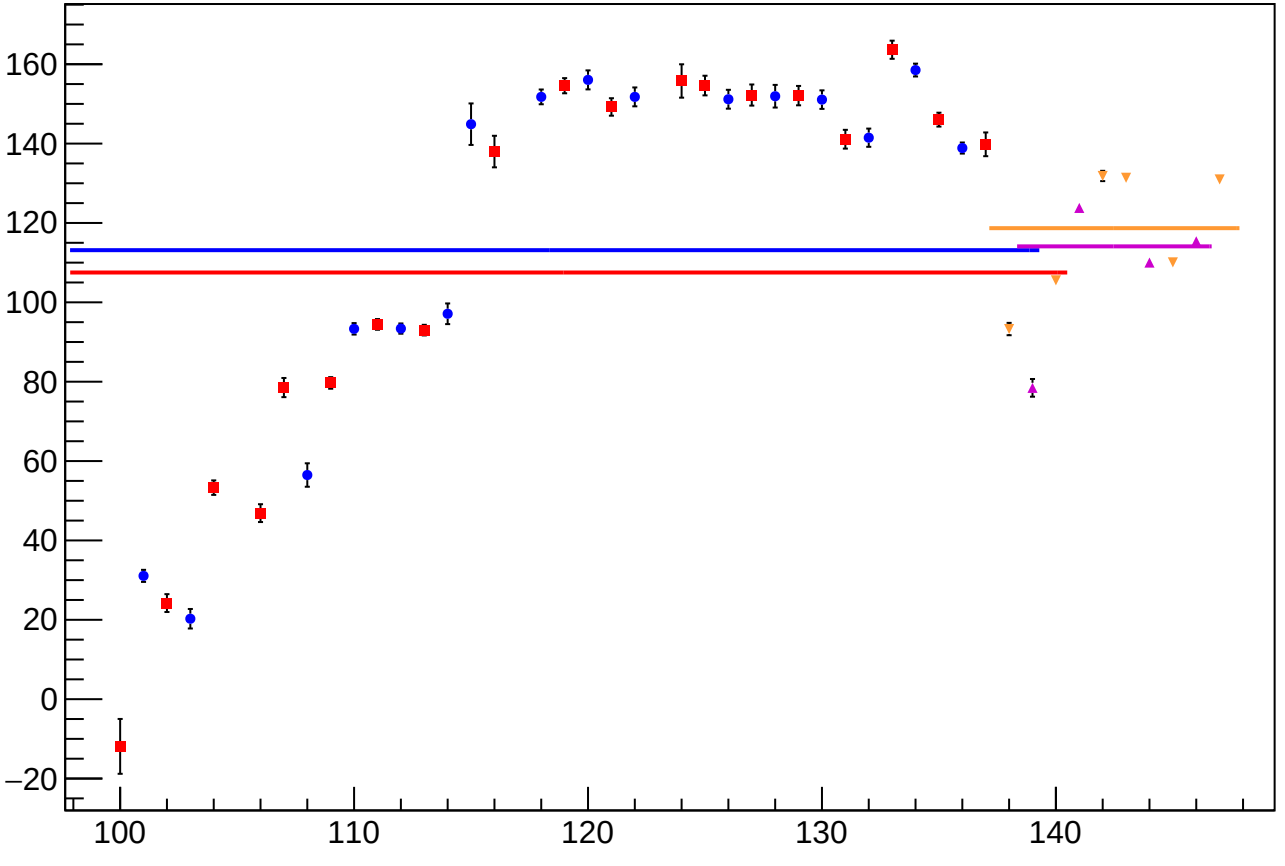
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -80.253+/-0.340 χ^2/NDF:3268.5/19

Out: -77.336+/-0.316 χ^2/NDF:4063.7/24

All: -78.686+/-0.232 χ^2/NDF: 7371.6/44

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: 118.687+/-0.418 χ^2/NDF:1014.4/5

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 114.102+/-0.472 χ^2/NDF:387.0/3

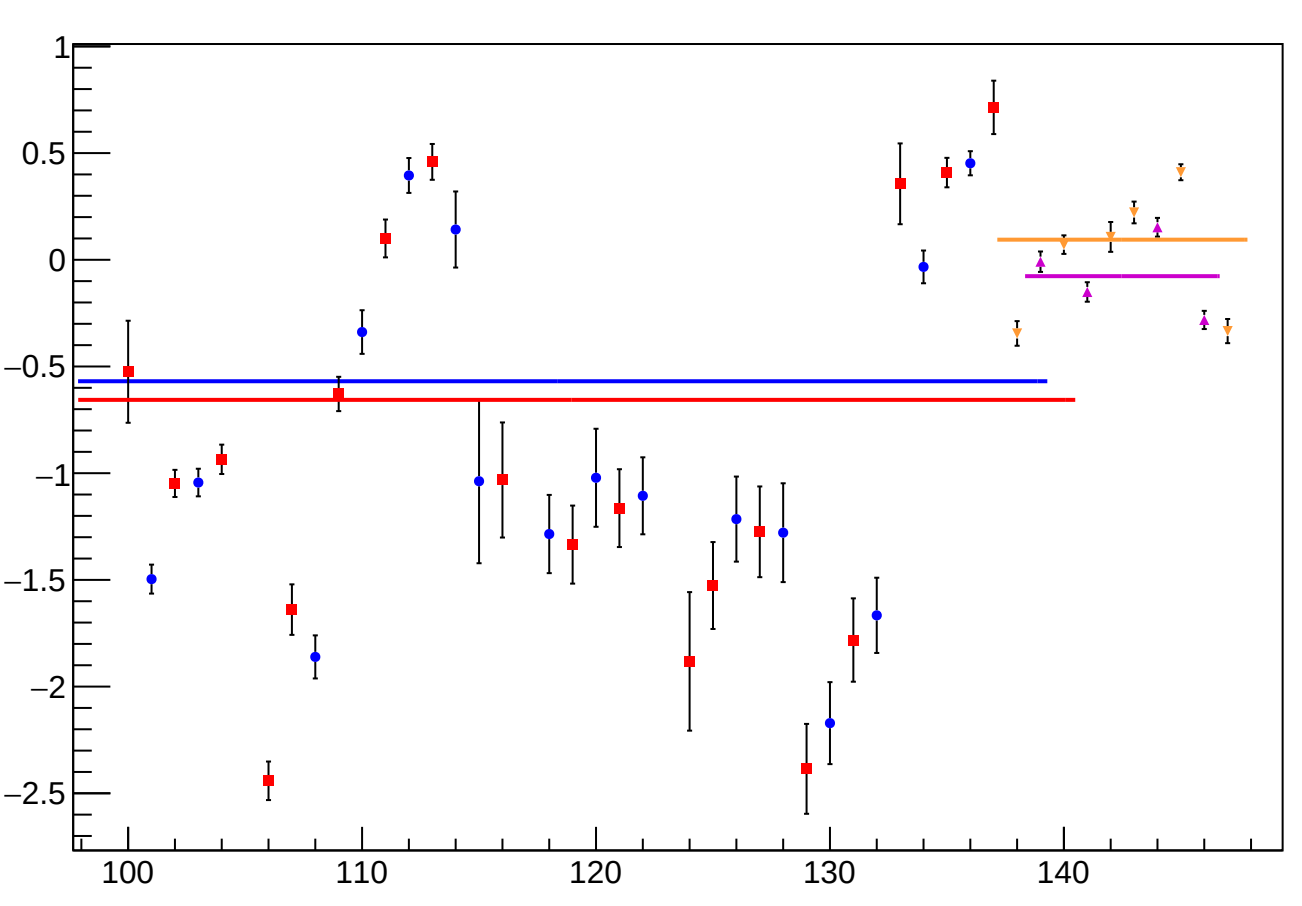
Left: 116.674+/-0.313 χ^2/NDF: 1454.2/9

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 113.639+/-0.340 χ^2/NDF:8593.1/19

Out: 113.861+/-0.315 χ^2/NDF:8867.0/24

All: 113.758+/-0.231 χ^2/NDF: 17460.3/44



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.094+/-0.020 χ^2/NDF:193.2/5

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.077+/-0.022 χ^2/NDF:55.0/3

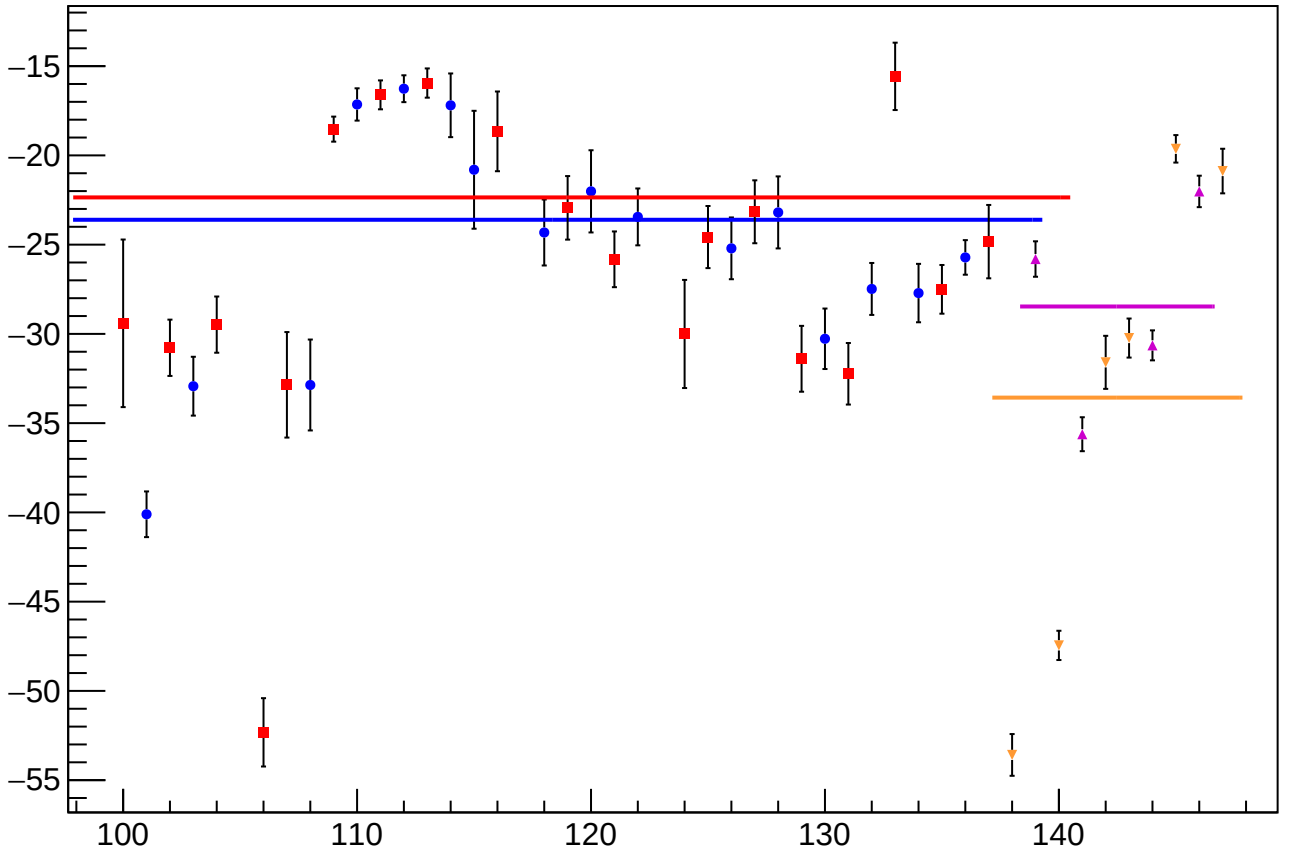
Left: 0.018+/-0.015 χ^2/NDF: 280.3/9

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.289+/-0.017 χ^2/NDF:1359.9/19

Out: -0.199+/-0.016 χ^2/NDF:2048.1/24

All: -0.241+/-0.012 χ^2/NDF: 3422.9/44



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -33.569+/-0.414 χ^2/NDF:1021.9/5

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -28.465+/-0.455 χ^2/NDF:124.0/3

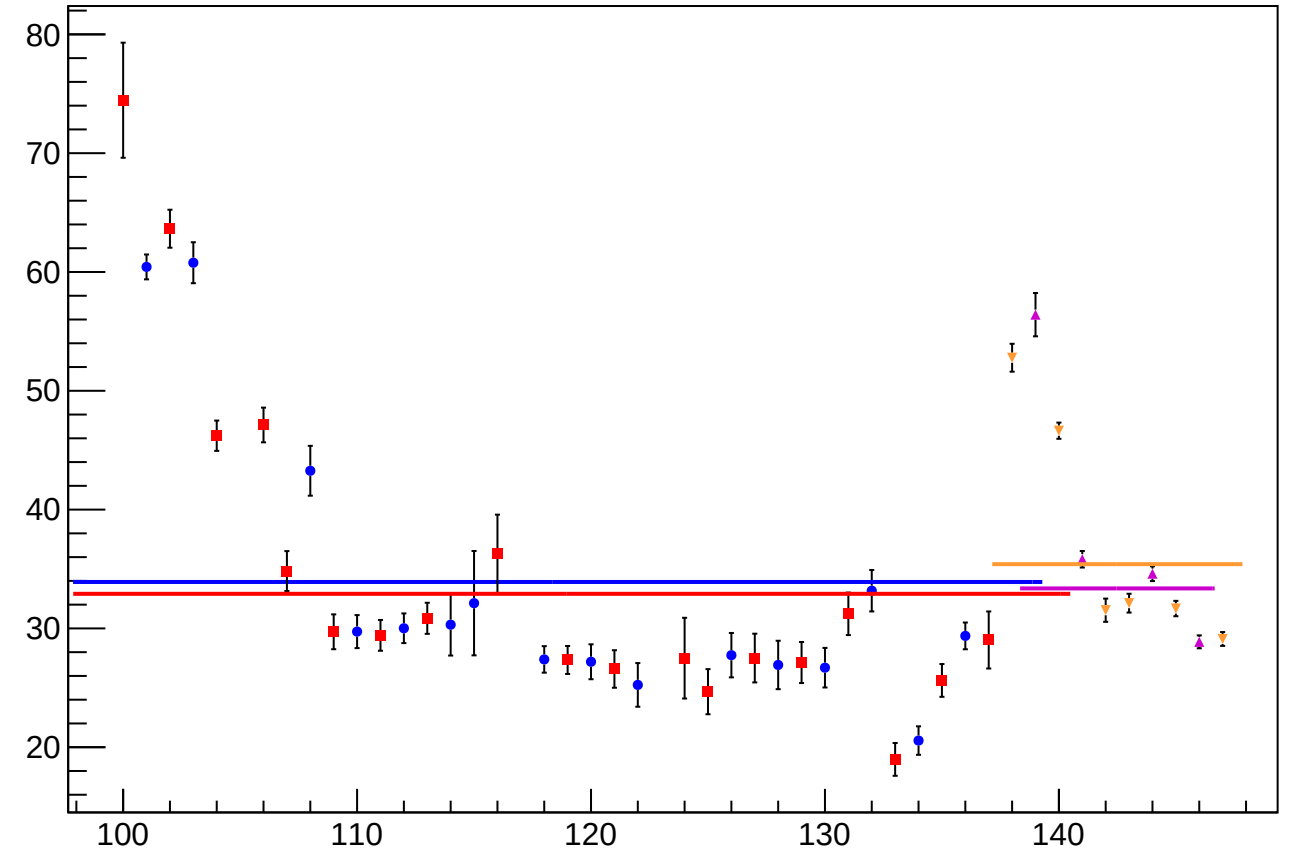
Left: -31.259+/-0.306 χ^2/NDF: 1214.8/9

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.401+/-0.277 χ^2/NDF:602.3/19

Out: -26.579+/-0.254 χ^2/NDF:2031.3/24

All: -26.040+/-0.187 χ^2/NDF: 2643.4/44



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 35.408+/-0.304 χ^2/NDF:673.4/5

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 33.366+/-0.347 χ^2/NDF:244.6/3

Left: 34.522+/-0.228 χ^2/NDF: 937.7/9

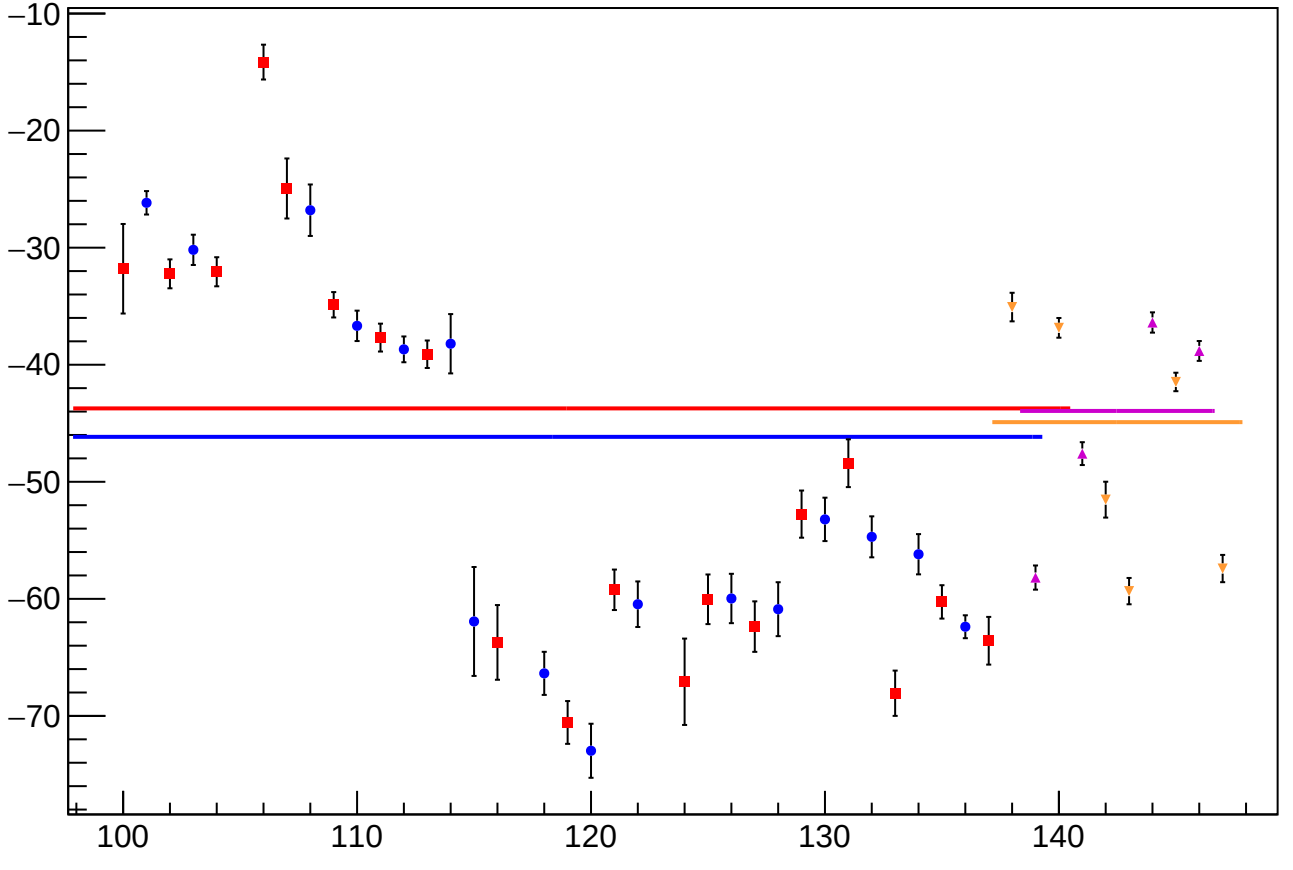
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 33.616+/-0.255 χ^2/NDF:1430.2/19

Out: 34.412+/-0.235 χ^2/NDF:1575.4/24

All: 34.045+/-0.173 χ^2/NDF: 3010.9/44

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -44.904+/-0.421 χ^2/NDF:473.9/5

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -43.947+/-0.461 χ^2/NDF:316.7/3

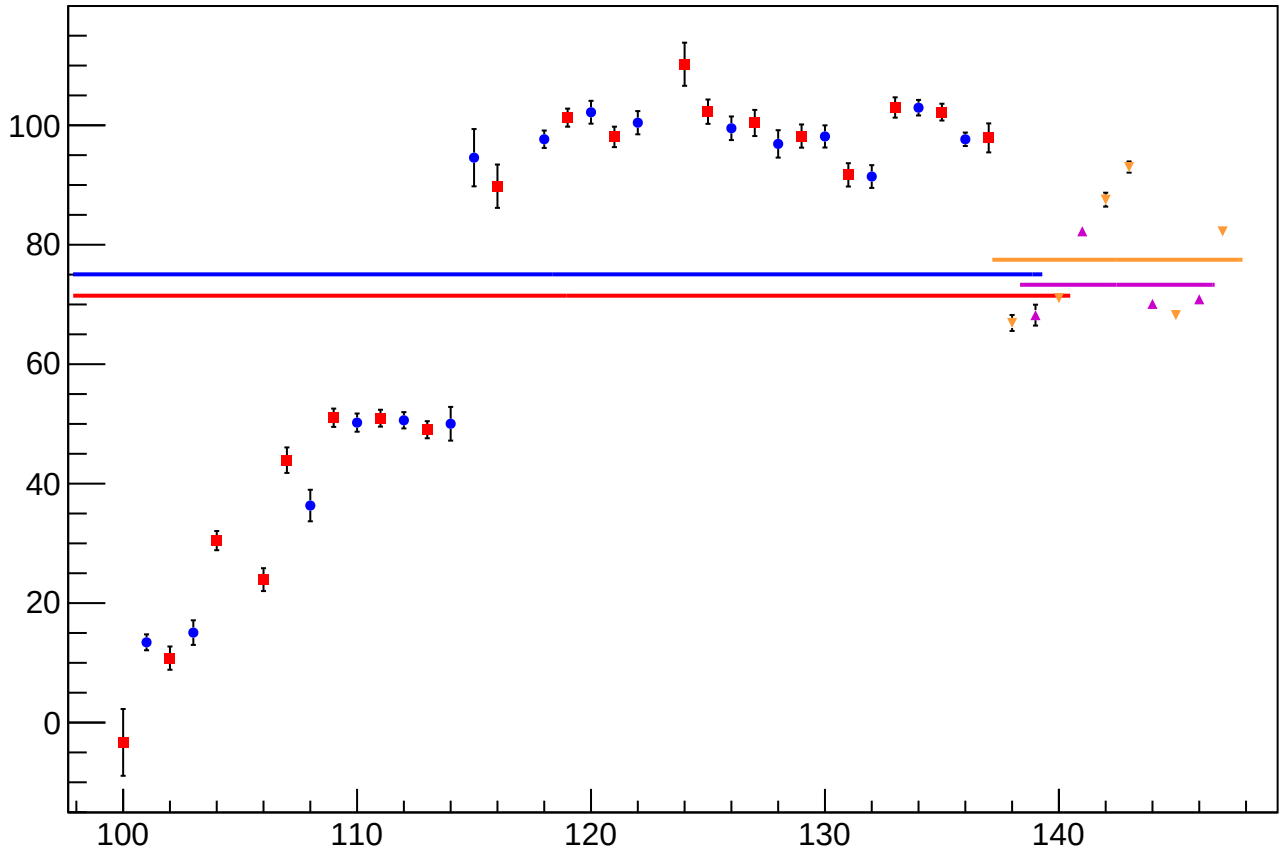
Left: -44.468+/-0.311 χ^2/NDF: 792.9/9

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -45.237+/-0.298 χ^2/NDF:1819.8/19

Out: -44.254+/-0.281 χ^2/NDF:2141.5/24

All: -44.718+/-0.204 χ^2/NDF: 3967.1/44



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 77.489+/-0.369 χ^2/NDF:667.4/5

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 73.297+/-0.412 χ^2/NDF:158.2/3

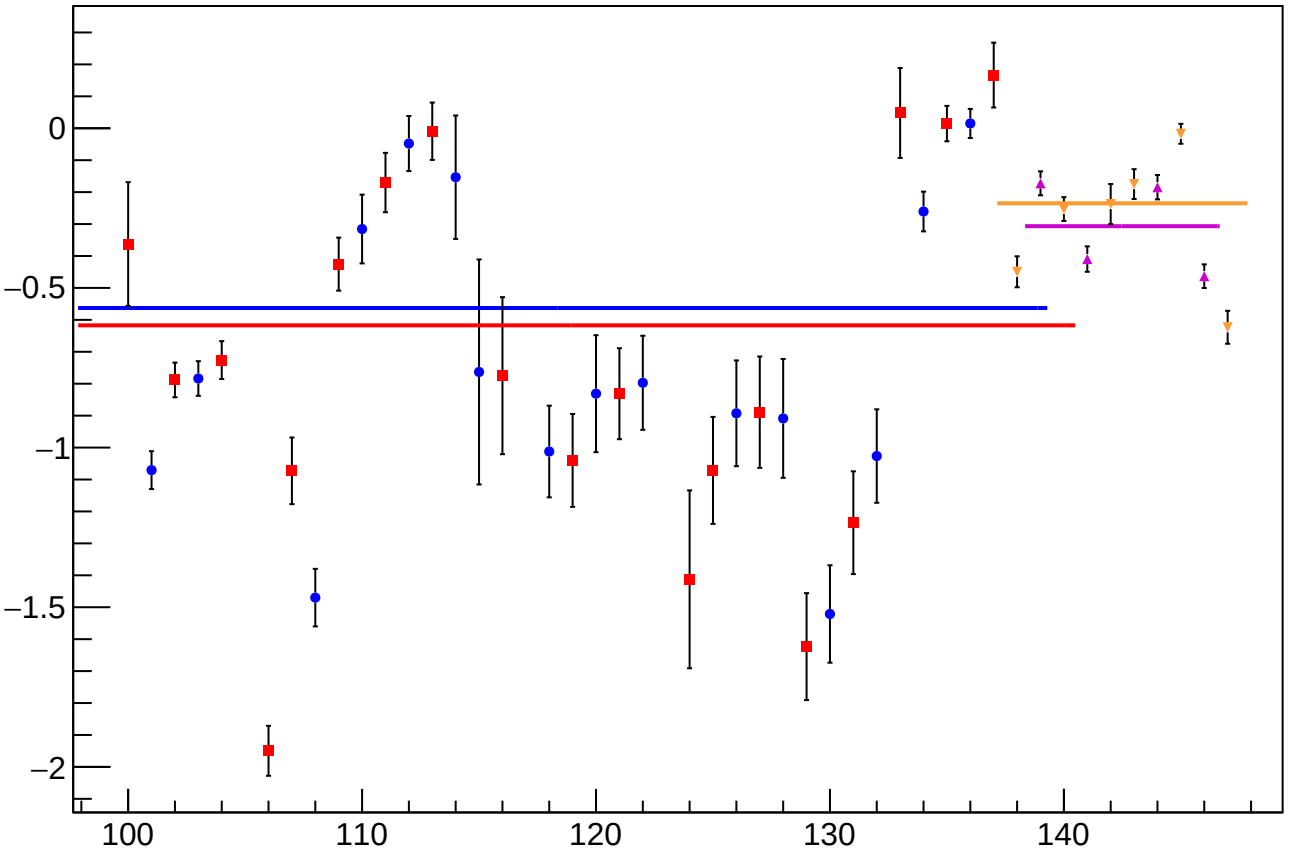
Left: 75.623+/-0.275 χ^2/NDF: 883.1/9

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.137+/-0.296 χ^2/NDF:5995.1/19

Out: 74.908+/-0.279 χ^2/NDF:6409.9/24

All: 74.546+/-0.203 χ^2/NDF: 12408.6/44



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.235+/-0.018 χ^2/NDF:126.9/5

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.307+/-0.019 χ^2/NDF:47.7/3

Left: -0.268+/-0.013 χ^2/NDF: 182.2/9

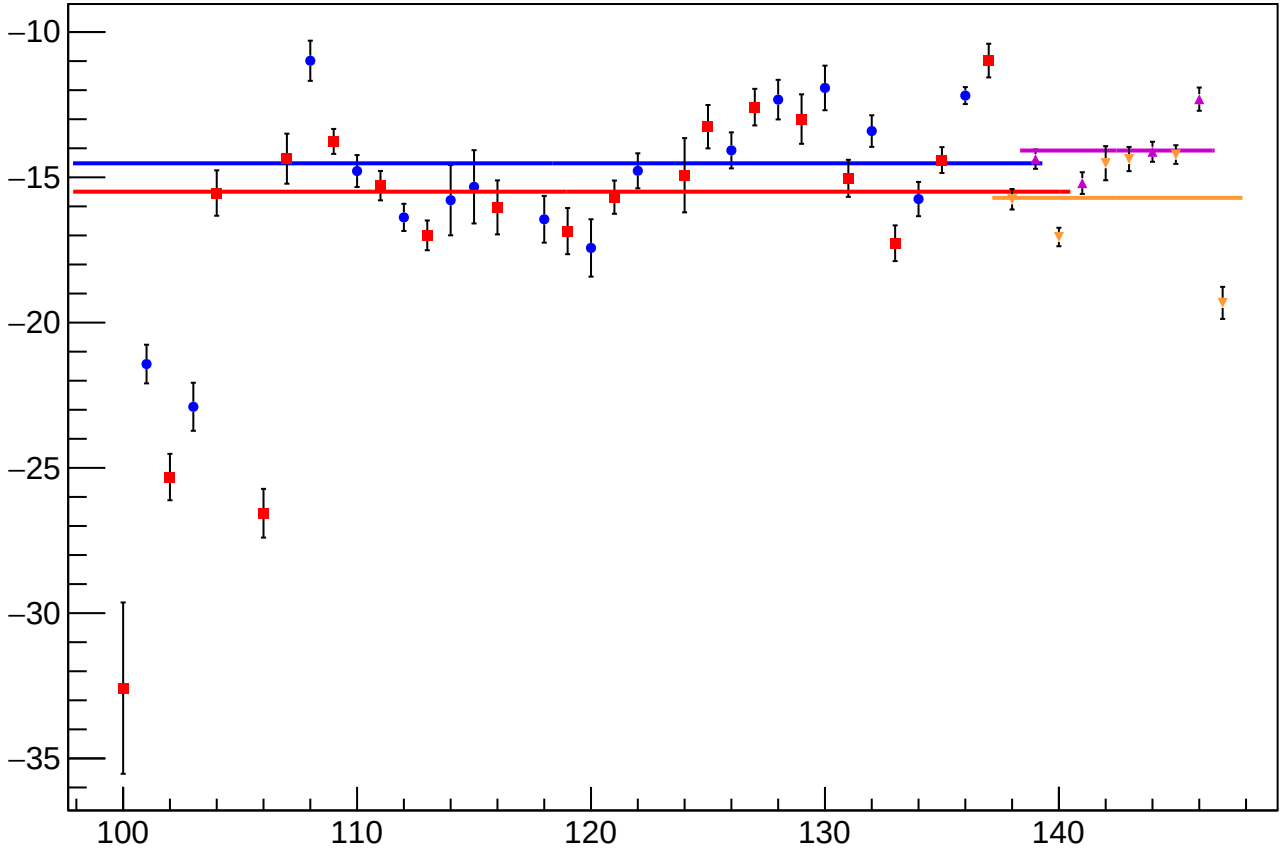
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.415+/-0.014 χ^2/NDF:617.3/19

Out: -0.382+/-0.014 χ^2/NDF:999.8/24

All: -0.397+/-0.010 χ^2/NDF: 1619.9/44

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: -15.707+/-0.159 χ^2/NDF:96.7/5

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.078+/-0.180 χ^2/NDF:29.4/3

Left: -14.993+/-0.119 χ^2/NDF: 172.1/9

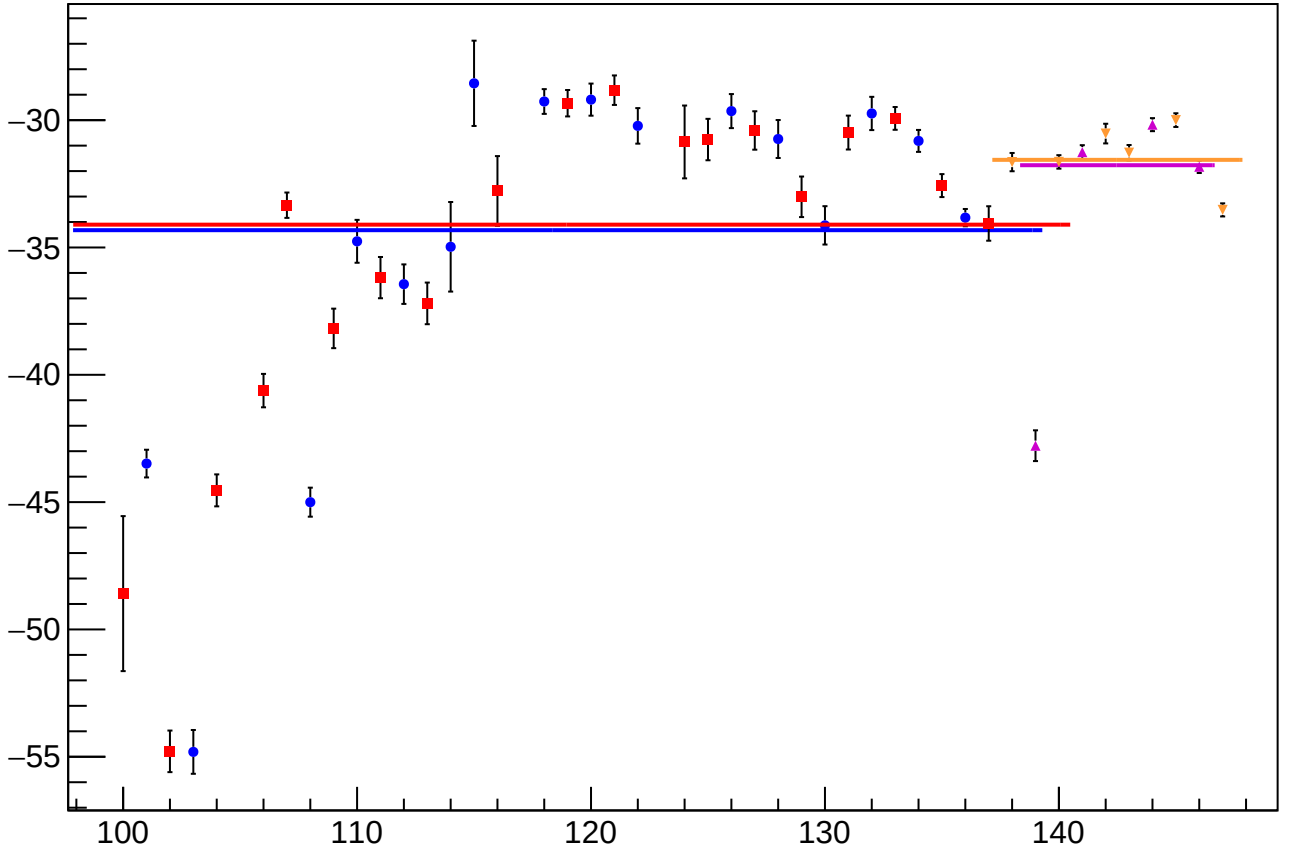
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.338+/-0.115 χ^2/NDF:396.2/19

Out: -15.594+/-0.109 χ^2/NDF:601.5/24

All: -14.999+/-0.079 χ^2/NDF: 1060.5/44

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.558+/-0.121 χ^2/NDF:100.0/5

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.769+/-0.145 χ^2/NDF:374.5/3

Left: -31.645+/-0.093 χ^2/NDF: 475.8/9

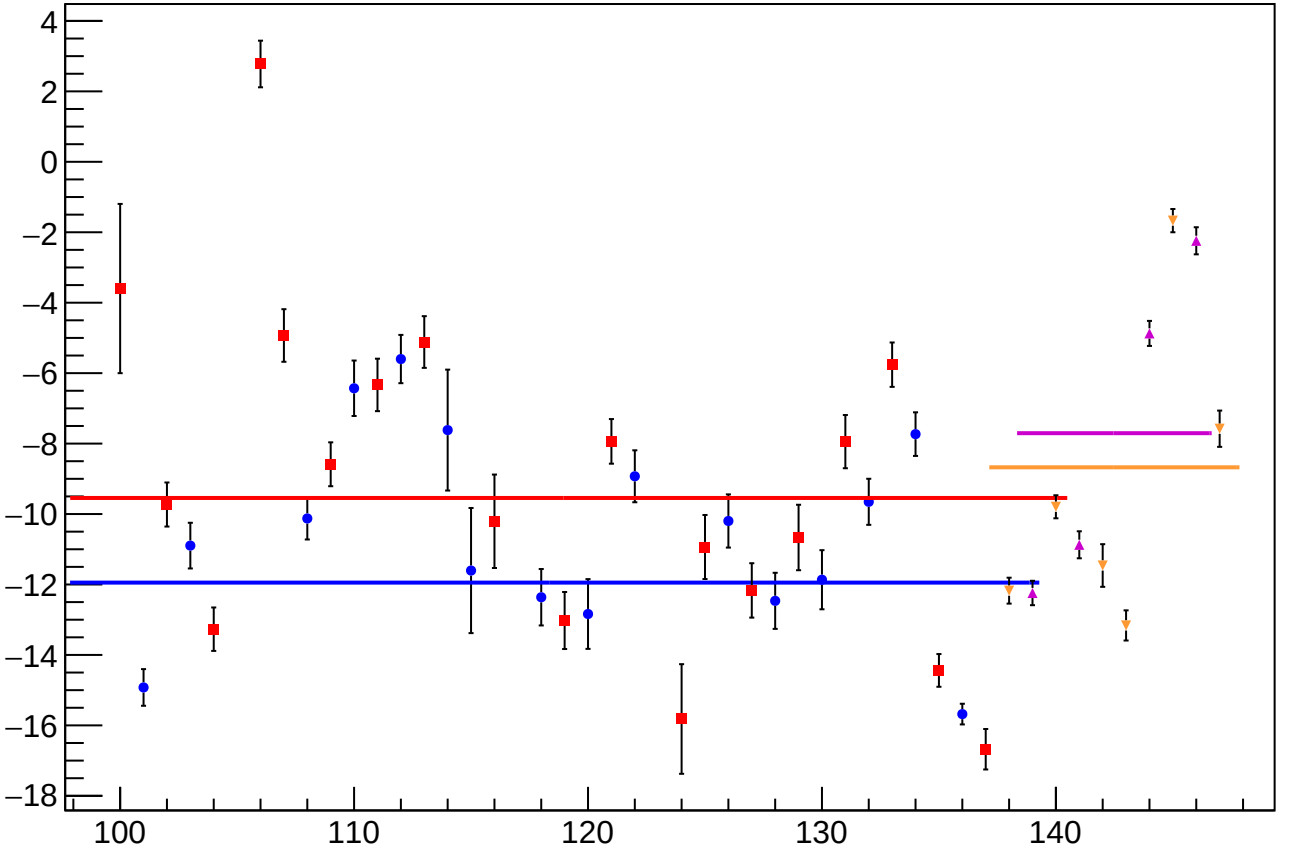
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.971+/-0.105 χ^2/NDF:2141.6/19

Out: -32.527+/-0.095 χ^2/NDF:1703.7/24

All: -32.727+/-0.071 χ^2/NDF: 3855.2/44

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: -8.674+/-0.163 χ^2/NDF:688.2/5

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.704+/-0.183 χ^2/NDF:505.1/3

Left: -8.247+/-0.122 χ^2/NDF: 1208.9/9

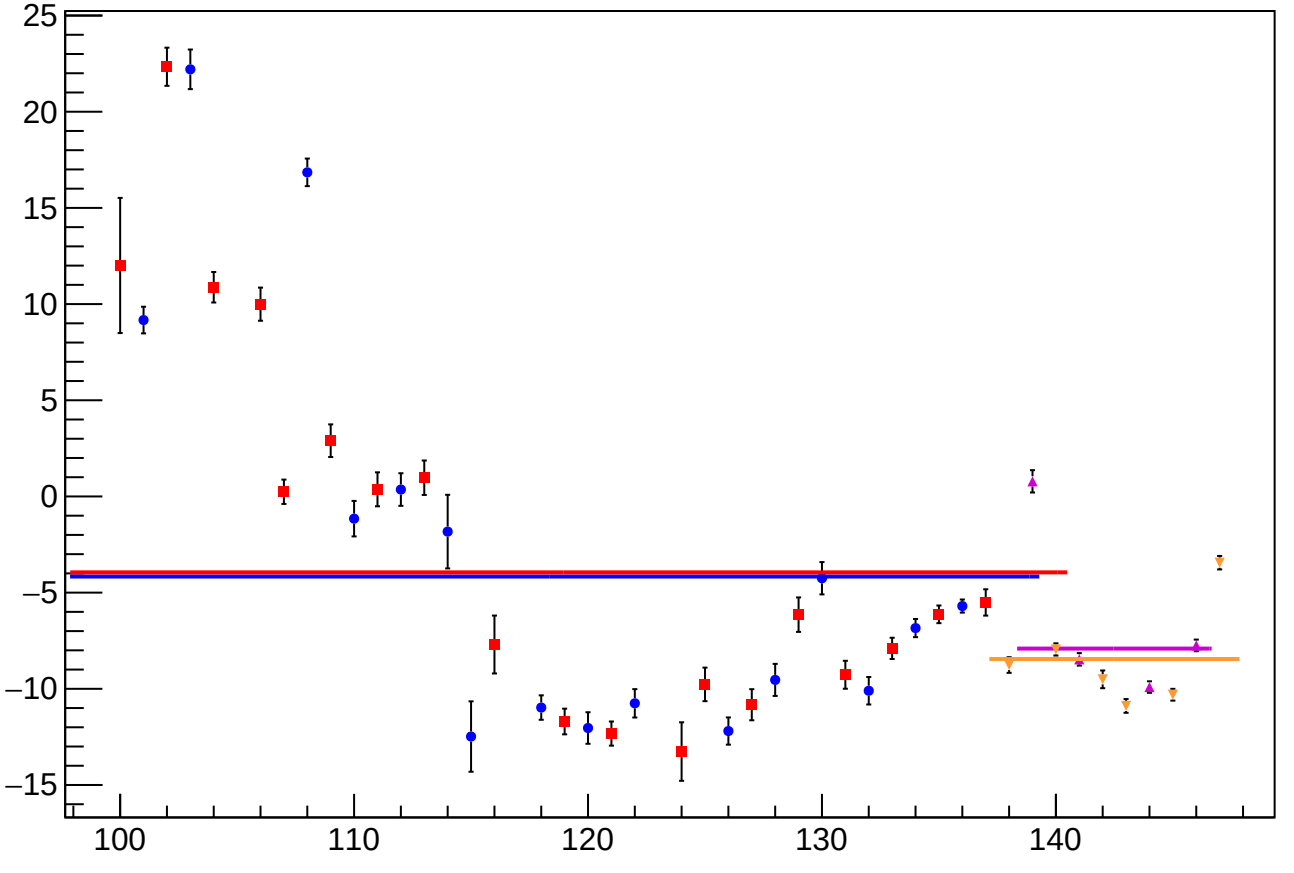
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.108+/-0.121 χ^2/NDF:1239.1/19

Out: -9.101+/-0.116 χ^2/NDF:1549.4/24

All: -9.585+/-0.084 χ^2/NDF: 2824.8/44

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: -8.453+/-0.145 χ^2/NDF:295.7/5

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -7.909+/-0.170 χ^2/NDF:272.8/3

Left: -8.224+/-0.111 χ^2/NDF: 574.4/9

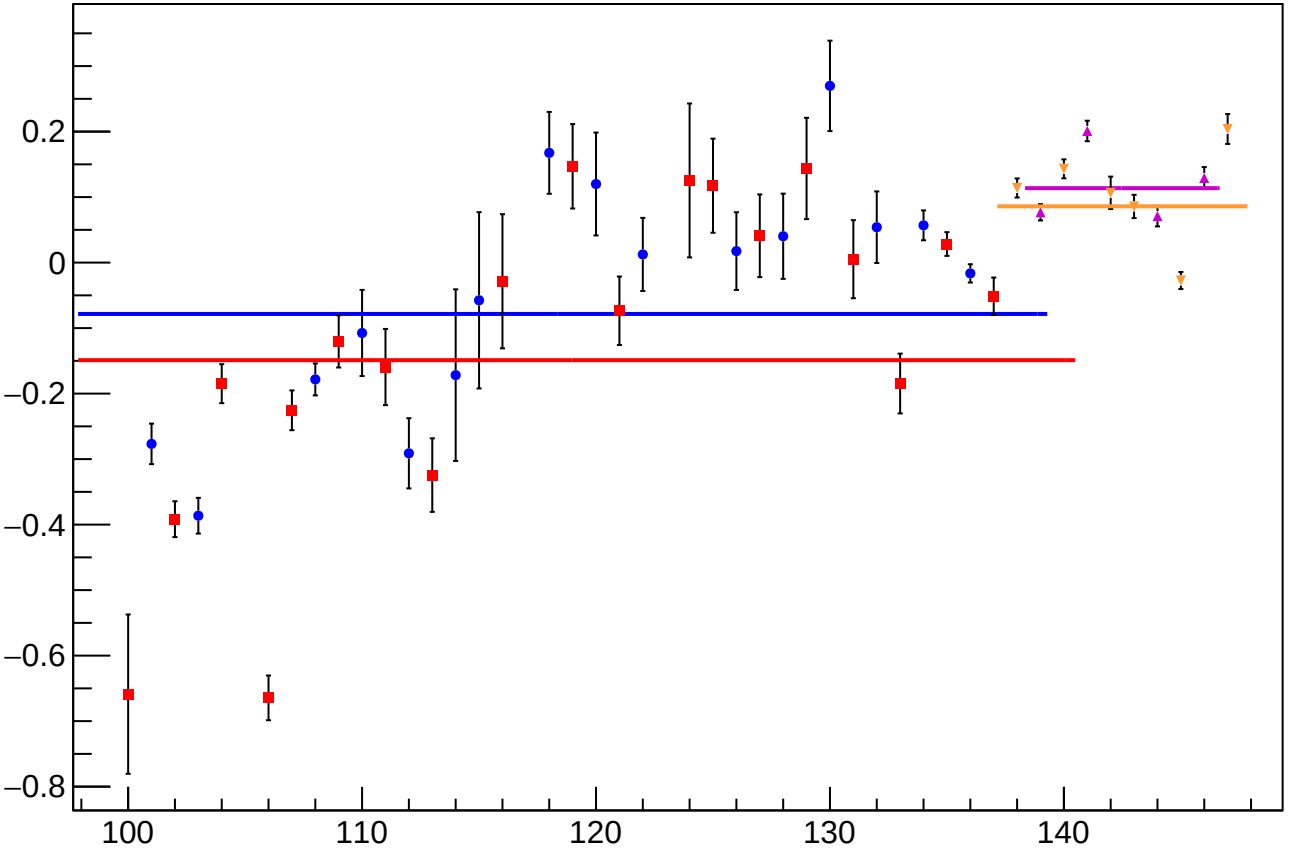
Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -6.054+/-0.121 χ^2/NDF:3037.5/19

Out: -6.624+/-0.112 χ^2/NDF:2795.3/24

All: -6.361+/-0.082 χ^2/NDF: 5844.8/44

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.086+/-0.007 χ^2/NDF:122.3/5

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.114+/-0.007 χ^2/NDF:48.2/3

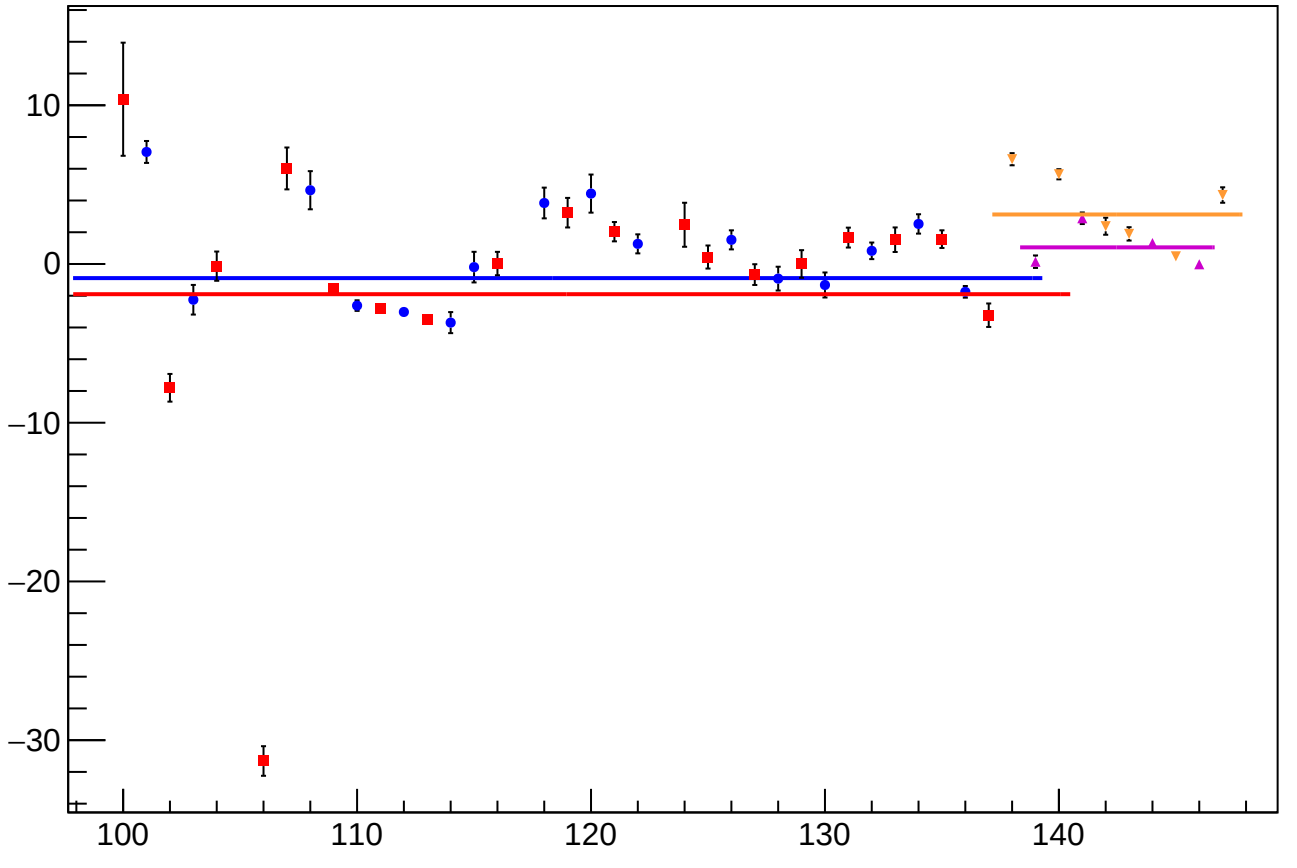
Left: 0.098+/-0.005 χ^2/NDF: 178.2/9

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.031+/-0.006 χ^2/NDF:654.2/19

Out: 0.003+/-0.005 χ^2/NDF:1079.5/24

All: 0.017+/-0.004 χ^2/NDF: 1747.5/44



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.120+/-0.147 χ^2/NDF:277.8/5

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.048+/-0.161 χ^2/NDF:44.0/3

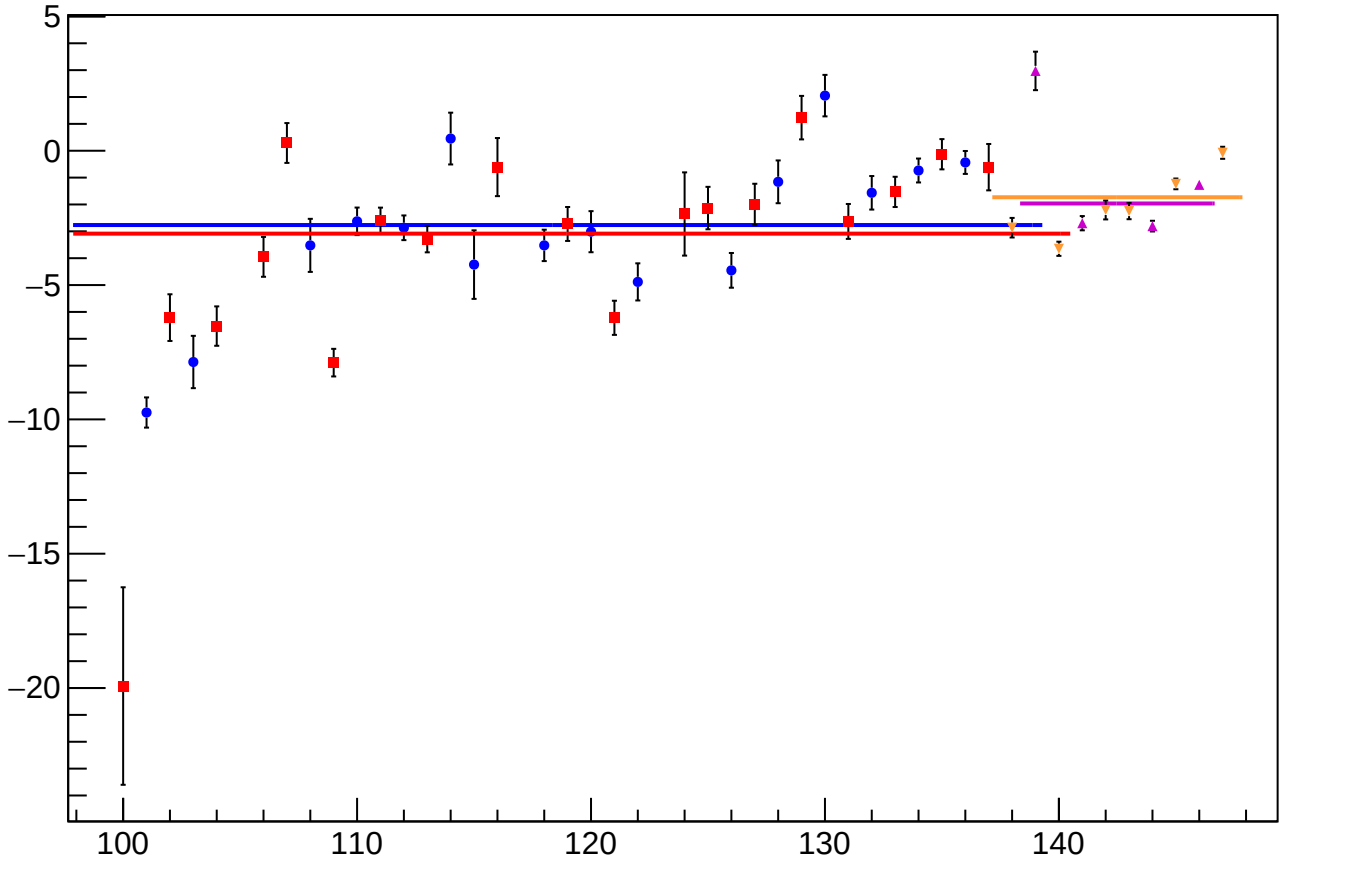
Left: 2.178+/-0.108 χ^2/NDF: 412.5/9

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: -0.077+/-0.104 χ^2/NDF:508.6/19

Out: 0.277+/-0.097 χ^2/NDF:2274.0/24

All: 0.113+/-0.071 χ^2/NDF: 2788.8/44



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.732+/-0.108 χ^2/NDF:127.6/5

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.963+/-0.117 χ^2/NDF:88.3/3

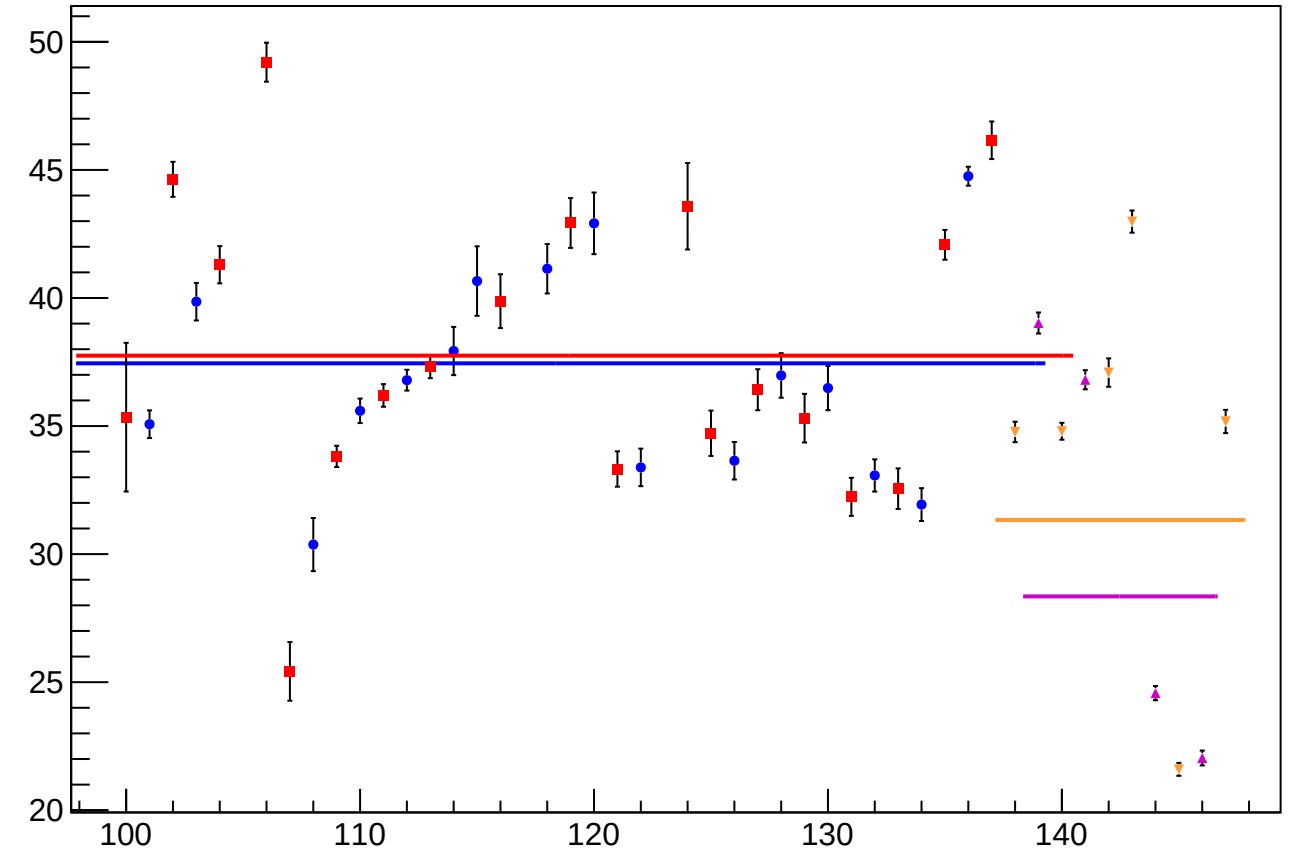
Left: -1.838+/-0.079 χ^2/NDF: 218.1/9

Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.251+/-0.094 χ^2/NDF:415.3/19

Out: -2.165+/-0.089 χ^2/NDF:450.3/24

All: -2.206+/-0.065 χ^2/NDF: 866.1/44



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 31.333+/-0.150 χ^2/NDF:2574.6/5

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 28.349+/-0.162 χ^2/NDF:1846.6/3

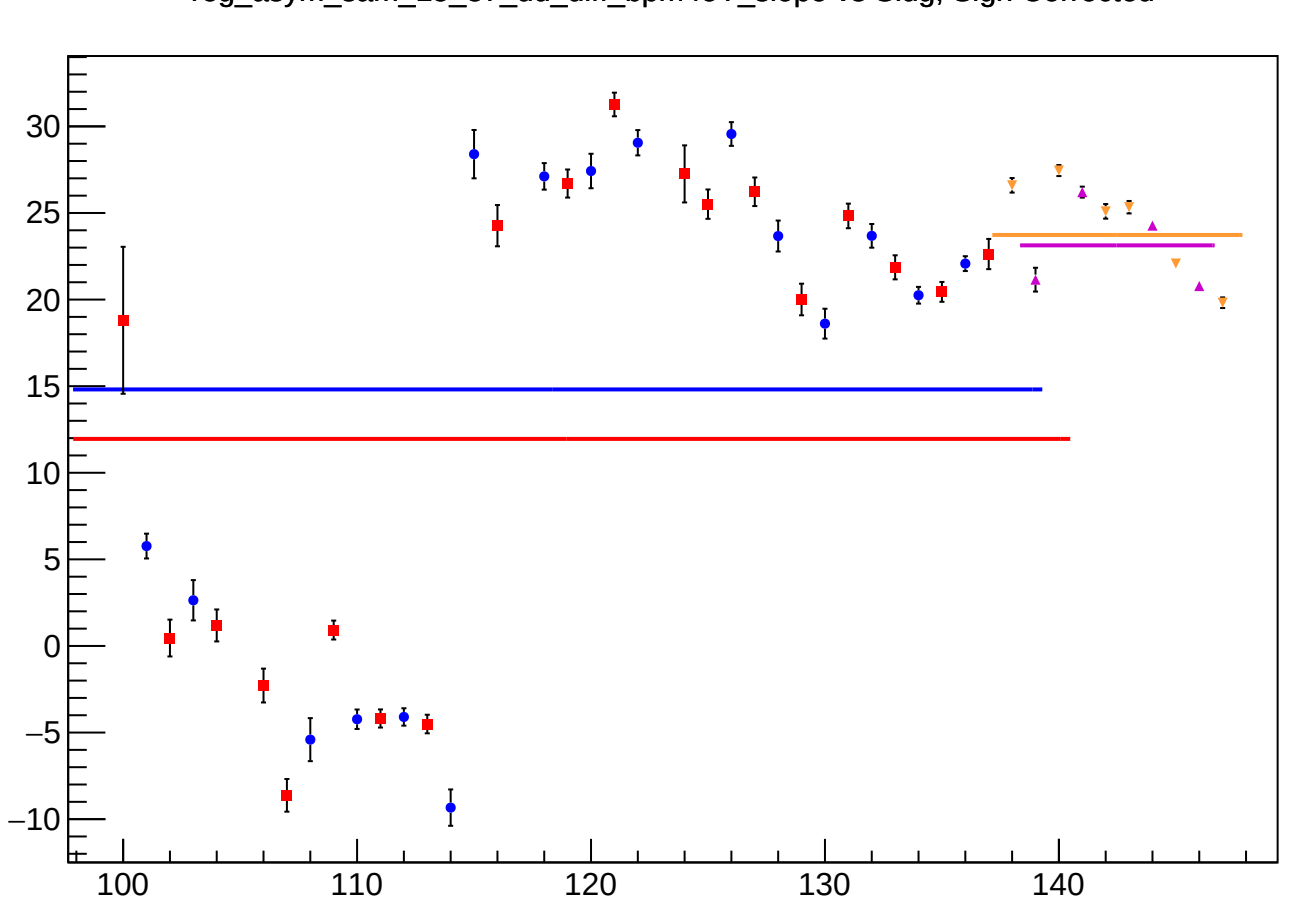
Left: 29.961+/-0.110 χ^2/NDF: 4603.7/9

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 32.945+/-0.114 χ^2/NDF:4140.0/19

Out: 34.341+/-0.109 χ^2/NDF:4398.4/24

All: 33.675+/-0.079 χ^2/NDF: 8616.6/44



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.731+/-0.131 χ^2/NDF:426.7/5

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.130+/-0.140 χ^2/NDF:237.8/3

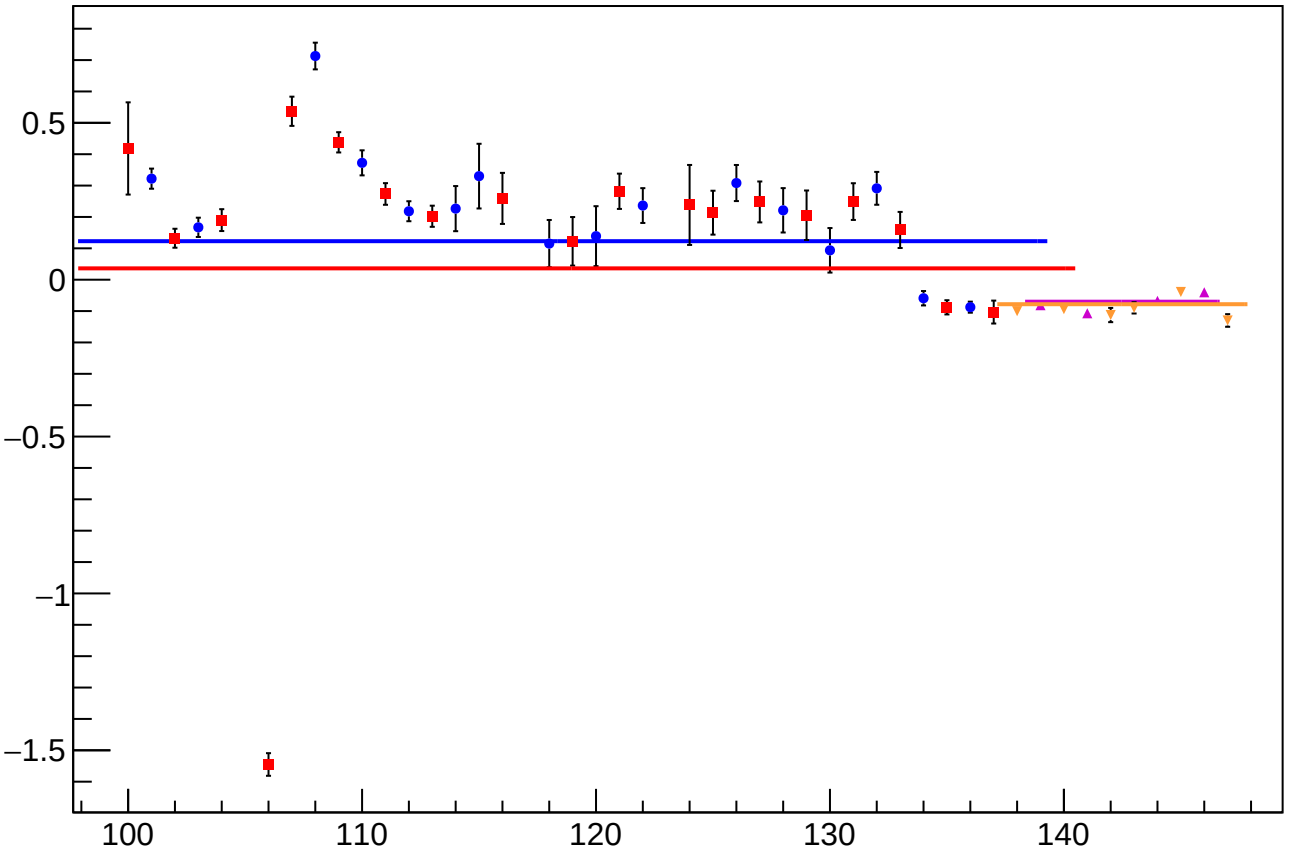
Left: 23.452+/-0.096 χ^2/NDF: 674.4/9

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 19.845+/-0.109 χ^2/NDF:7309.1/19

Out: 19.570+/-0.105 χ^2/NDF:9400.2/24

All: 19.702+/-0.076 χ^2/NDF: 16712.6/44



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.078+/-0.006 χ^2/NDF:27.6/5

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.070+/-0.007 χ^2/NDF:12.1/3

Left: -0.074+/-0.005 χ^2/NDF: 40.5/9

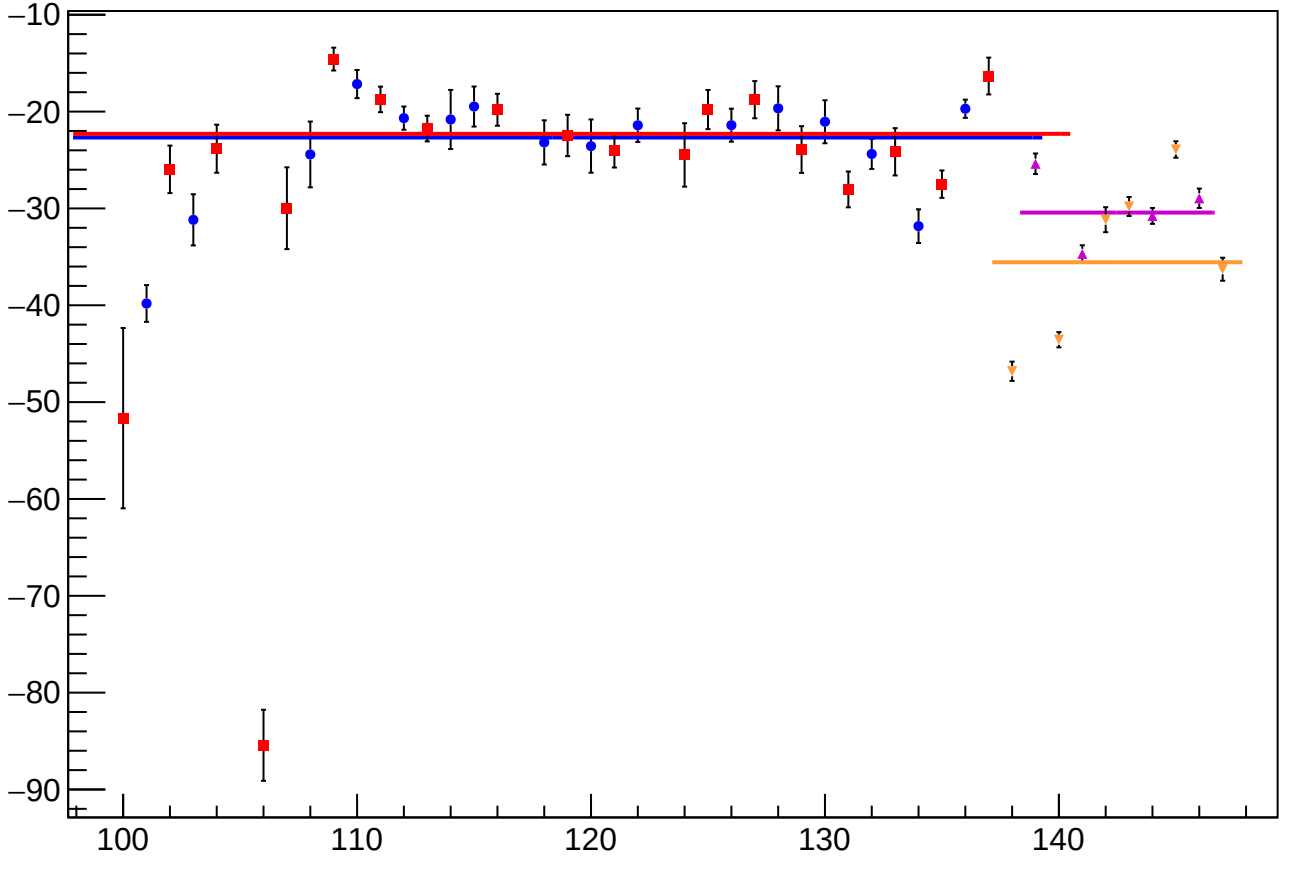
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.005+/-0.005 χ^2/NDF:809.5/19

Out: -0.045+/-0.005 χ^2/NDF:2539.6/24

All: -0.026+/-0.004 χ^2/NDF: 3377.9/44

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.555+/-0.397 χ^2/NDF:465.6/5

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -30.428+/-0.464 χ^2/NDF:47.9/3

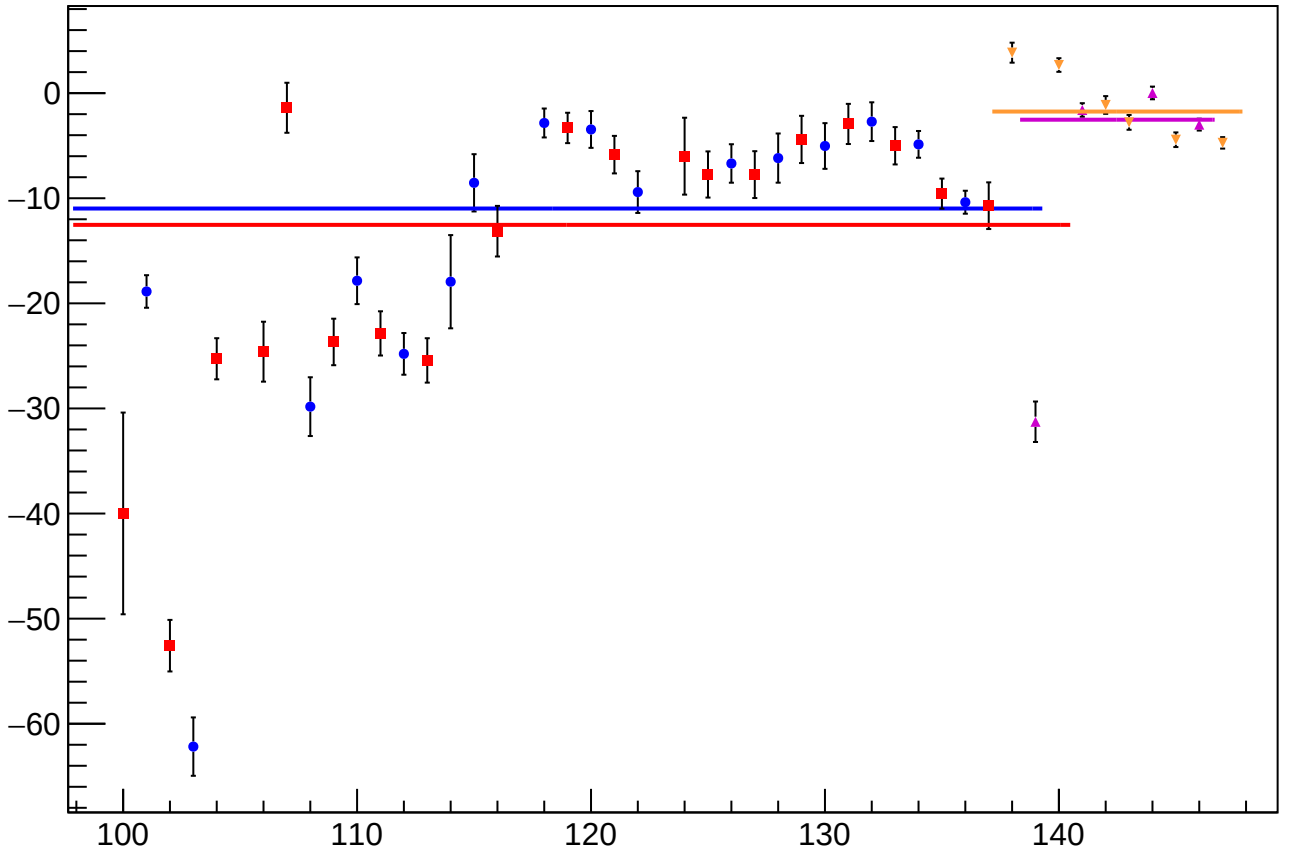
Left: -33.394+/-0.302 χ^2/NDF: 584.0/9

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -26.293+/-0.317 χ^2/NDF:350.9/19

Out: -29.540+/-0.293 χ^2/NDF:1378.4/24

All: -28.045+/-0.215 χ^2/NDF: 1785.9/44



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.751+/-0.285 χ^2/NDF:128.5/5

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.528+/-0.342 χ^2/NDF:243.3/3

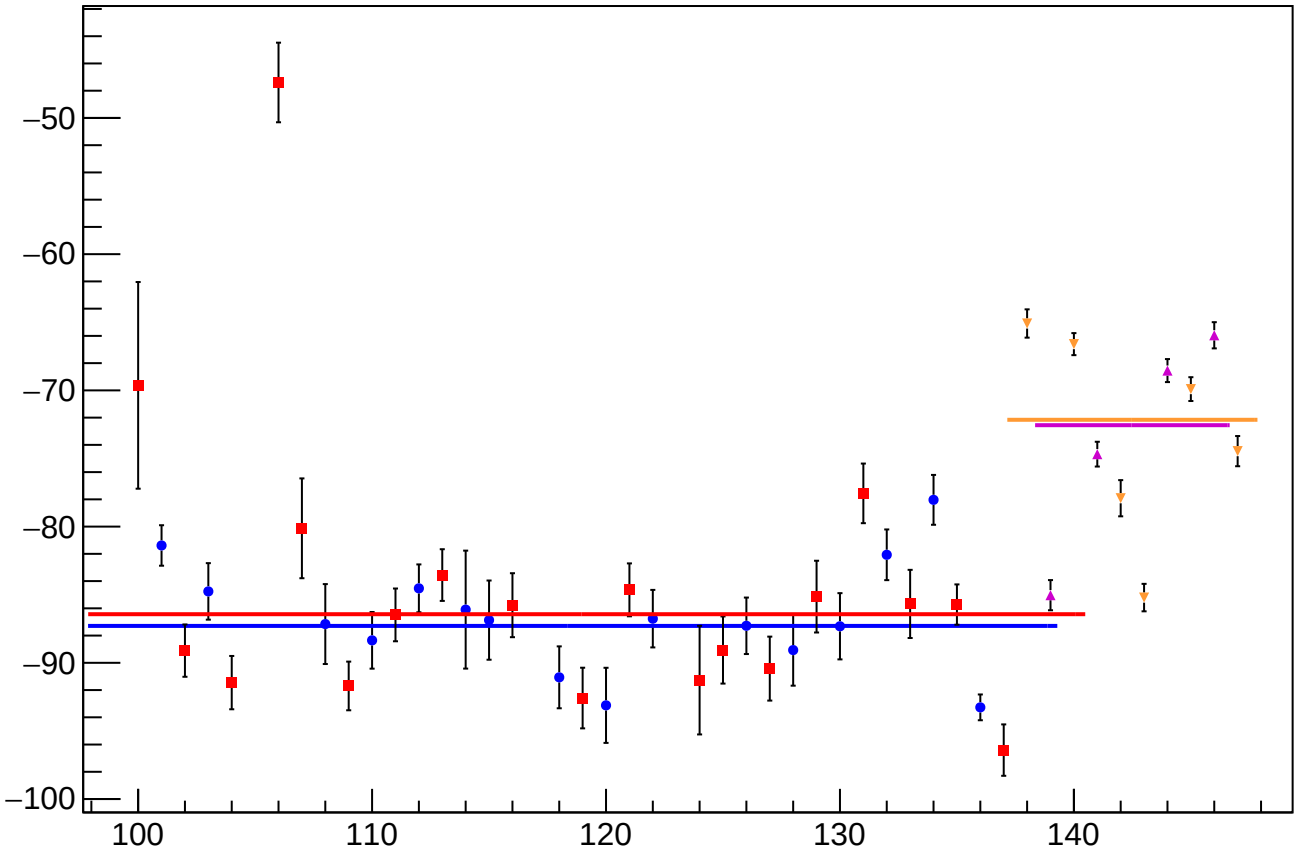
Left: -2.069+/-0.219 χ^2/NDF: 374.8/9

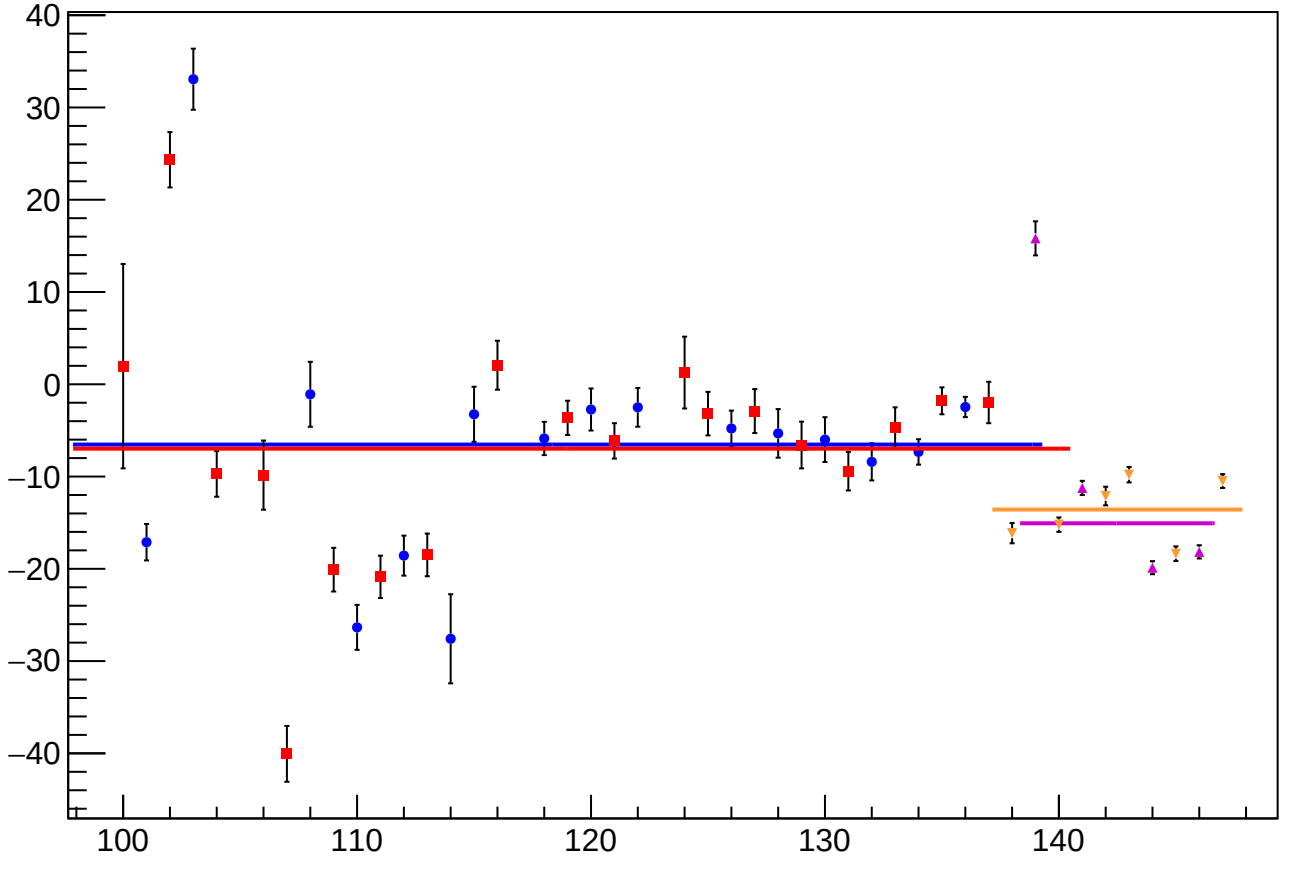
Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -5.593+/-0.273 χ^2/NDF:1052.0/19

Out: -4.552+/-0.245 χ^2/NDF:1072.6/24

All: -5.017+/-0.182 χ^2/NDF: 2132.6/44


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
Right In: -87.291+/-0.481 χ²/NDF: 101.2/15
Left Out: -72.158+/-0.404 χ²/NDF:290.8/5
Right Out: -86.431+/-0.506 χ²/NDF: 264.8/18
Left In: -72.555+/-0.471 χ²/NDF:202.0/3
Left: -72.327+/-0.307 χ²/NDF: 493.3/9
Right: -86.883+/-0.348 χ²/NDF: 367.6/34
In: -79.777+/-0.336 χ²/NDF:782.6/19
Out: -77.716+/-0.316 χ²/NDF:1041.6/24
All: -78.681+/-0.230 χ²/NDF: 1844.2/44



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -13.578+/-0.349 χ^2/NDF:85.3/5

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -15.066+/-0.412 χ^2/NDF:368.8/3

Left: -14.200+/-0.266 χ^2/NDF: 461.8/9

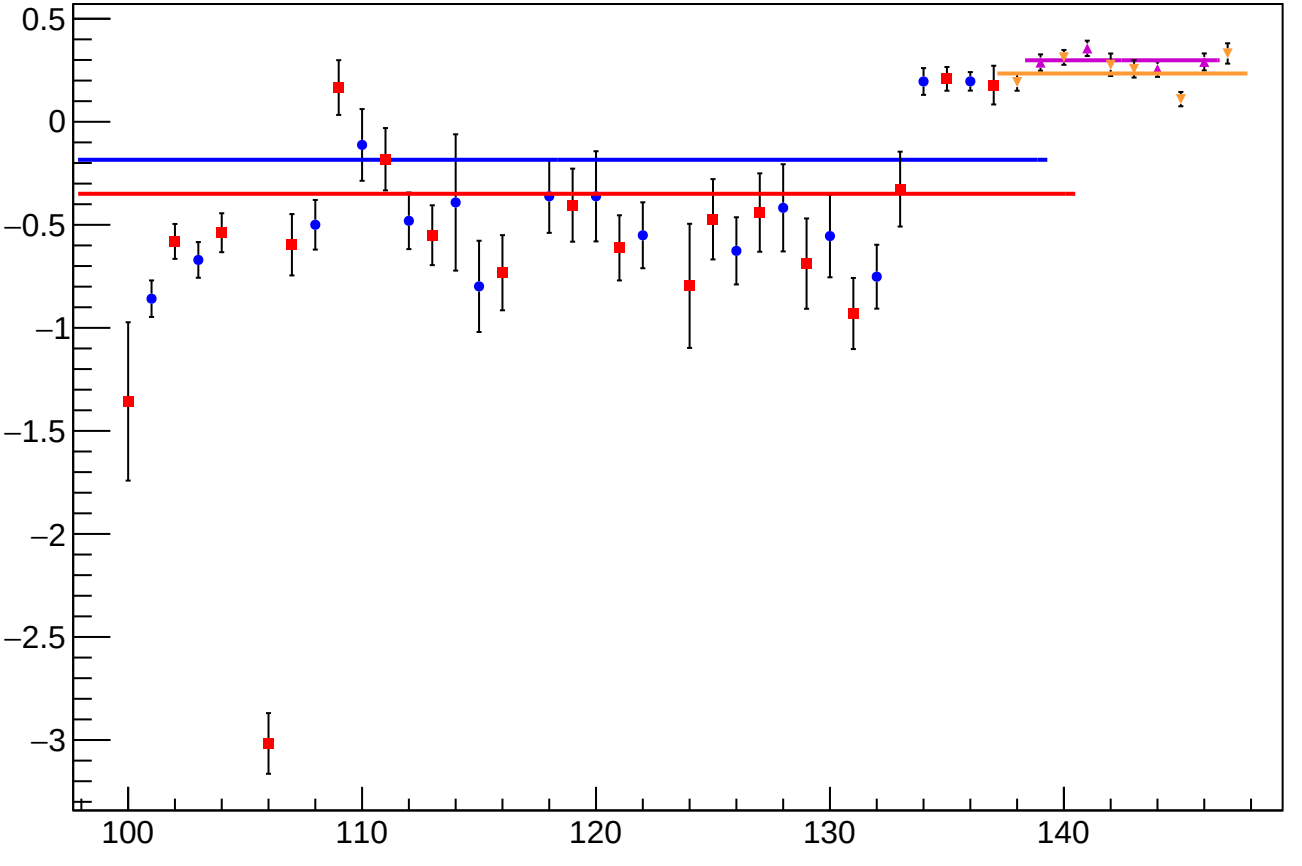
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -11.684+/-0.320 χ^2/NDF:853.0/19

Out: -11.646+/-0.293 χ^2/NDF:558.6/24

All: -11.663+/-0.216 χ^2/NDF: 1411.7/44

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.234+/-0.017 χ^2/NDF:23.4/5

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.298+/-0.019 χ^2/NDF:3.8/3

Left: 0.262+/-0.013 χ^2/NDF: 33.3/9

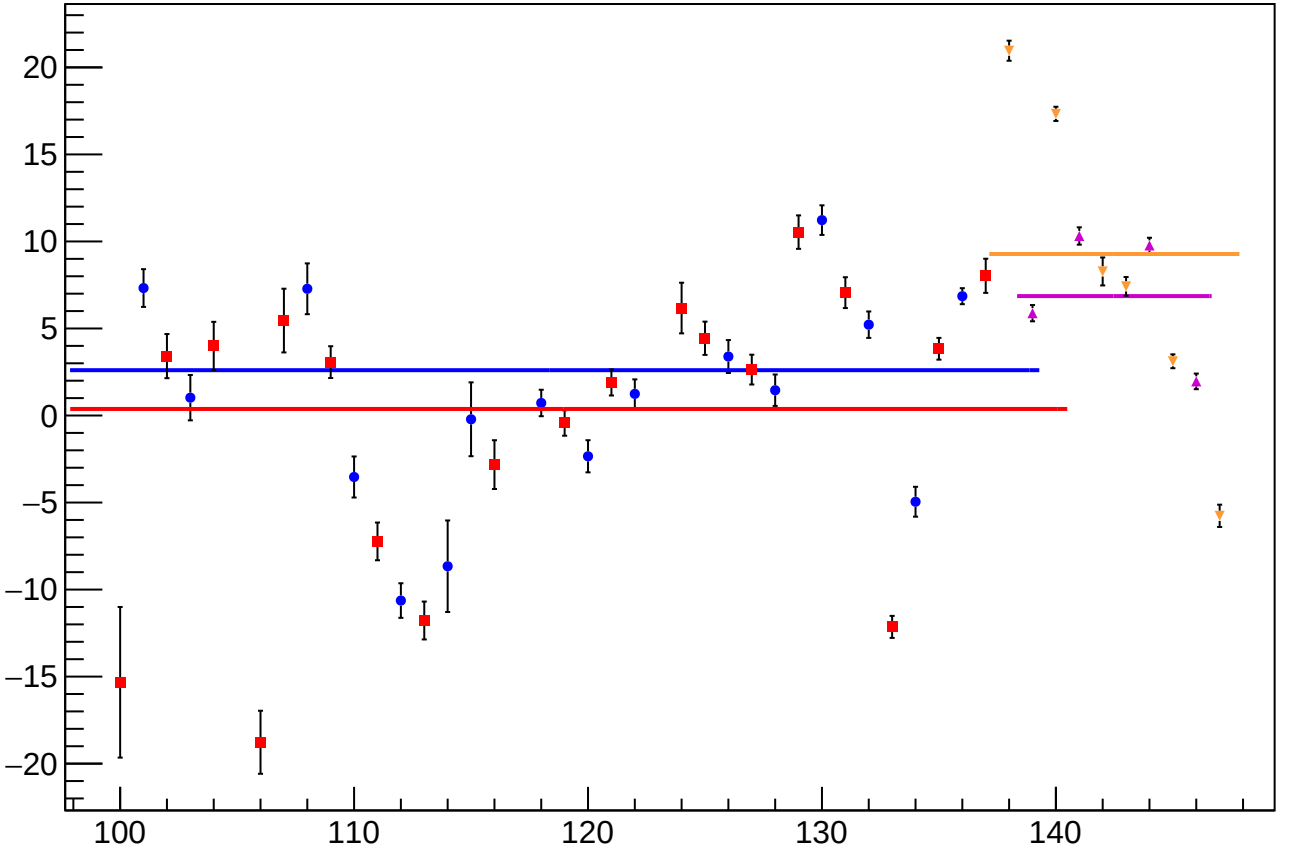
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.132+/-0.016 χ^2/NDF:464.0/19

Out: 0.088+/-0.015 χ^2/NDF:837.1/24

All: 0.108+/-0.011 χ^2/NDF: 1305.1/44

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 9.279+/-0.210 χ^2/NDF:1602.0/5

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 6.861+/-0.231 χ^2/NDF:215.5/3

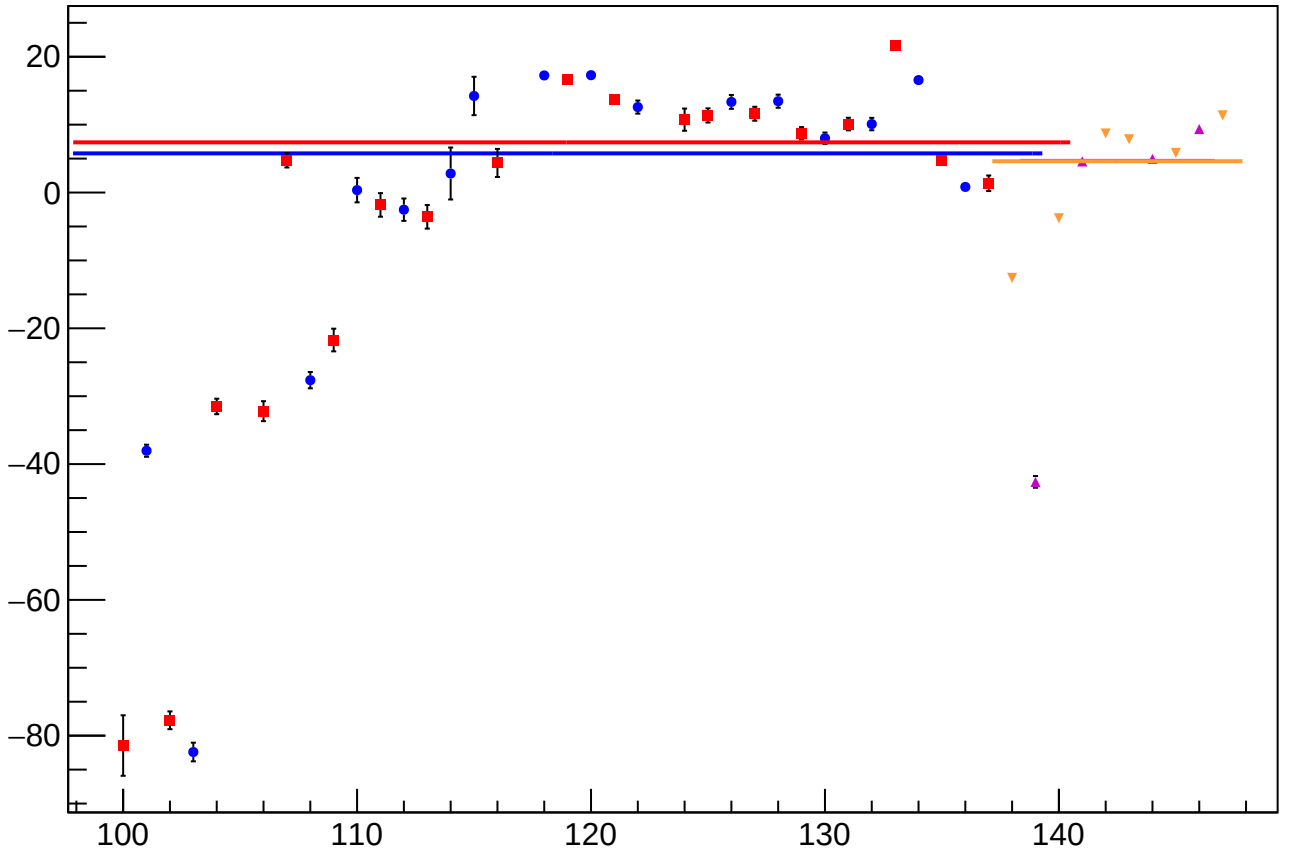
Left: 8.187+/-0.155 χ^2/NDF: 1877.5/9

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 4.668+/-0.161 χ^2/NDF:963.5/19

Out: 5.088+/-0.152 χ^2/NDF:3481.9/24

All: 4.889+/-0.111 χ^2/NDF: 4449.0/44



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 4.612+/-0.154 χ^2/NDF:2123.4/5

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 4.660+/-0.178 χ^2/NDF:3324.3/3

Left: 4.633+/-0.117 χ^2/NDF: 5447.7/9

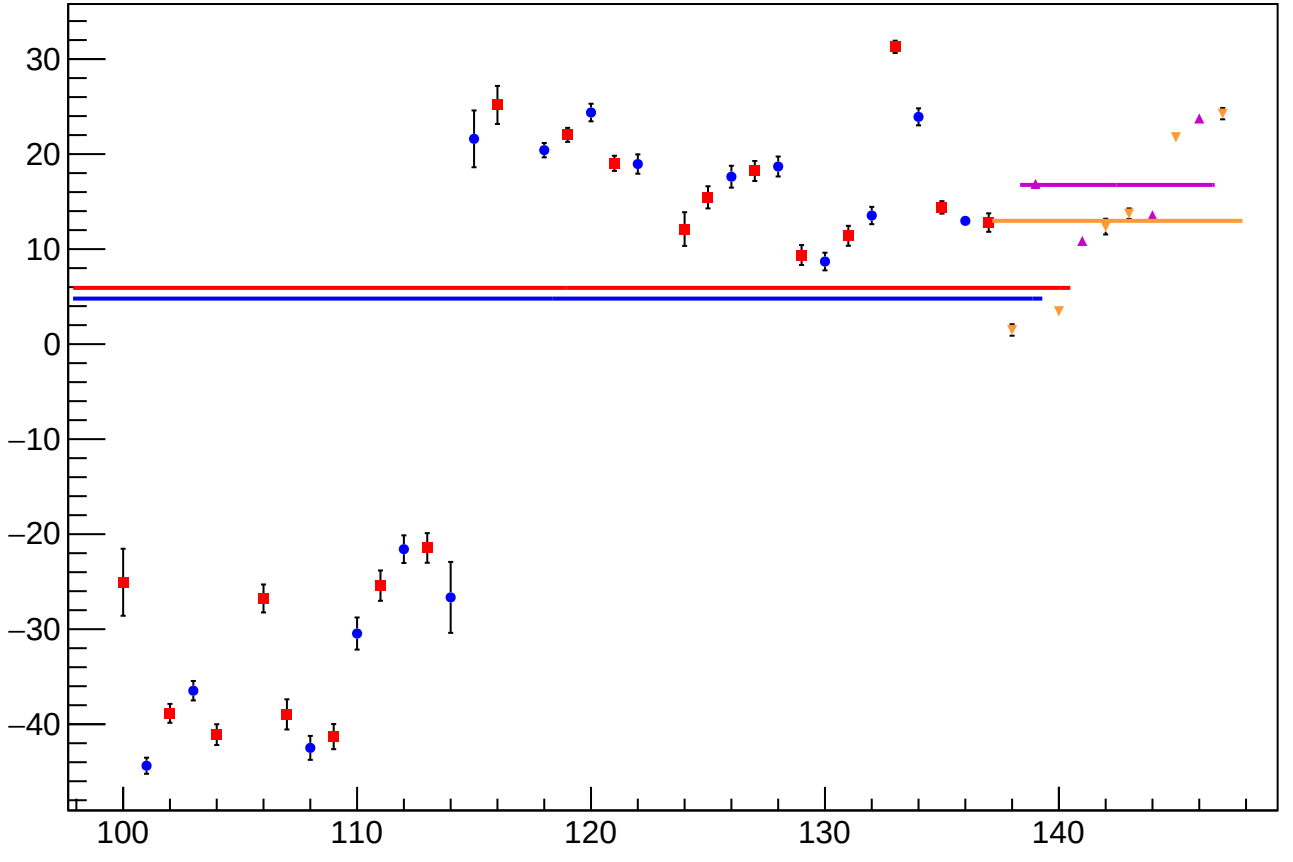
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.125+/-0.136 χ^2/NDF:12274.2/19

Out: 5.597+/-0.124 χ^2/NDF:10628.7/24

All: 5.382+/-0.092 χ^2/NDF: 22909.4/44

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.978+/-0.214 χ^2/NDF:1698.3/5

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 16.756+/-0.234 χ^2/NDF:444.8/3

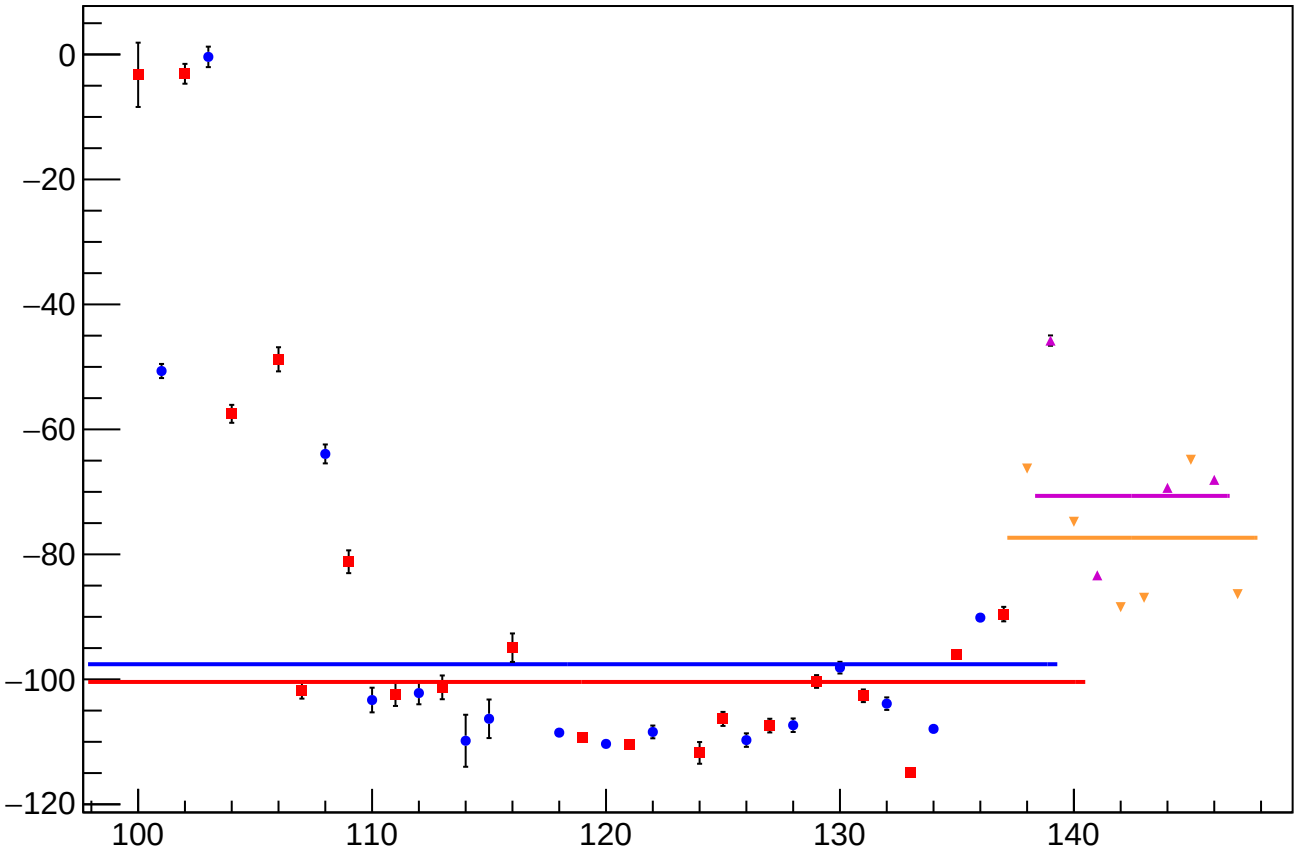
Left: 14.695+/-0.158 χ^2/NDF: 2285.4/9

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 10.864+/-0.167 χ^2/NDF:11229.9/19

Out: 9.859+/-0.159 χ^2/NDF:12240.6/24

All: 10.339+/-0.115 χ^2/NDF: 23489.5/44



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -77.342+/-0.188 χ^2/NDF:2643.9/5

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -70.641+/-0.212 χ^2/NDF:1835.2/3

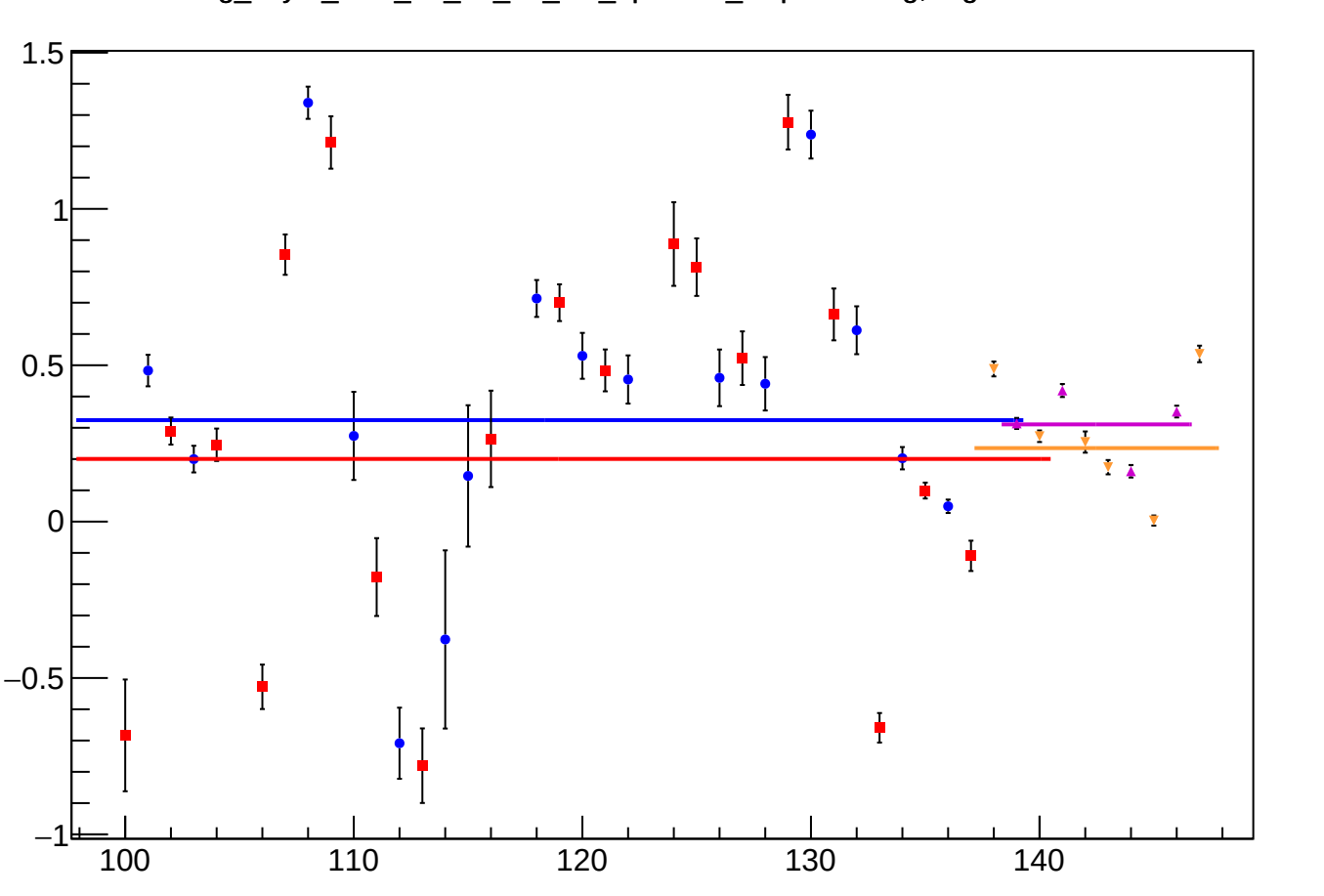
Left: -74.399+/-0.140 χ^2/NDF: 5040.0/9

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

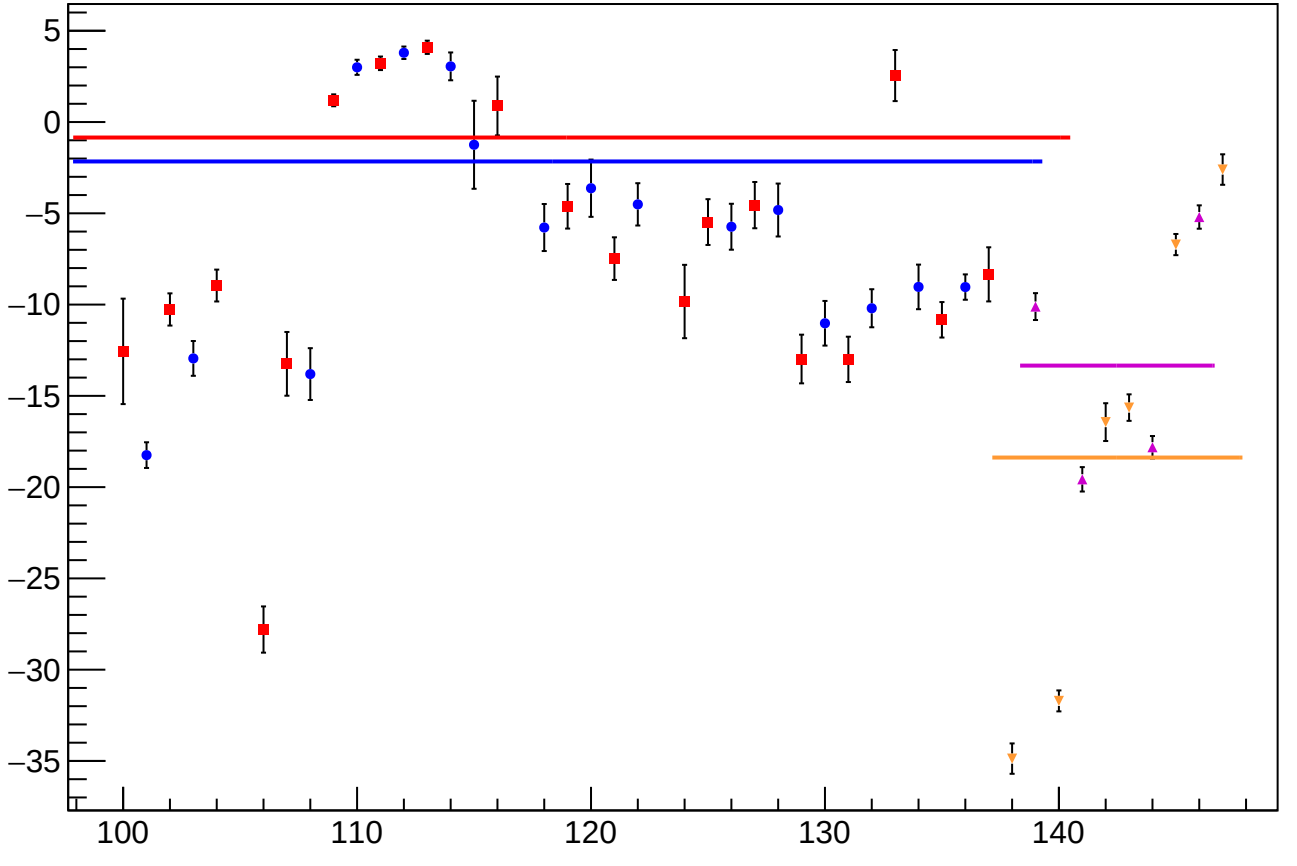
In: -82.348+/-0.159 χ^2/NDF:16004.8/19

Out: -86.046+/-0.148 χ^2/NDF:15470.6/24

All: -84.333+/-0.108 χ^2/NDF: 31764.6/44


reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
Right In: 0.324+/-0.013 χ²/NDF: 886.5/15
Left Out: 0.235+/-0.009 χ²/NDF:458.1/5
Right Out: 0.200+/-0.014 χ²/NDF: 1206.3/18
Left In: 0.311+/-0.010 χ²/NDF:87.9/3
Left: 0.270+/-0.007 χ²/NDF: 579.6/9
Right: 0.265+/-0.010 χ²/NDF: 2134.6/34
In: 0.316+/-0.008 χ²/NDF:975.1/19
Out: 0.225+/-0.007 χ²/NDF:1668.9/24
All: 0.268+/-0.005 χ²/NDF: 2714.4/44

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -18.379+/-0.292 χ^2/NDF:1710.9/5

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -13.342+/-0.330 χ^2/NDF:321.0/3

Left: -16.166+/-0.219 χ^2/NDF: 2162.4/9

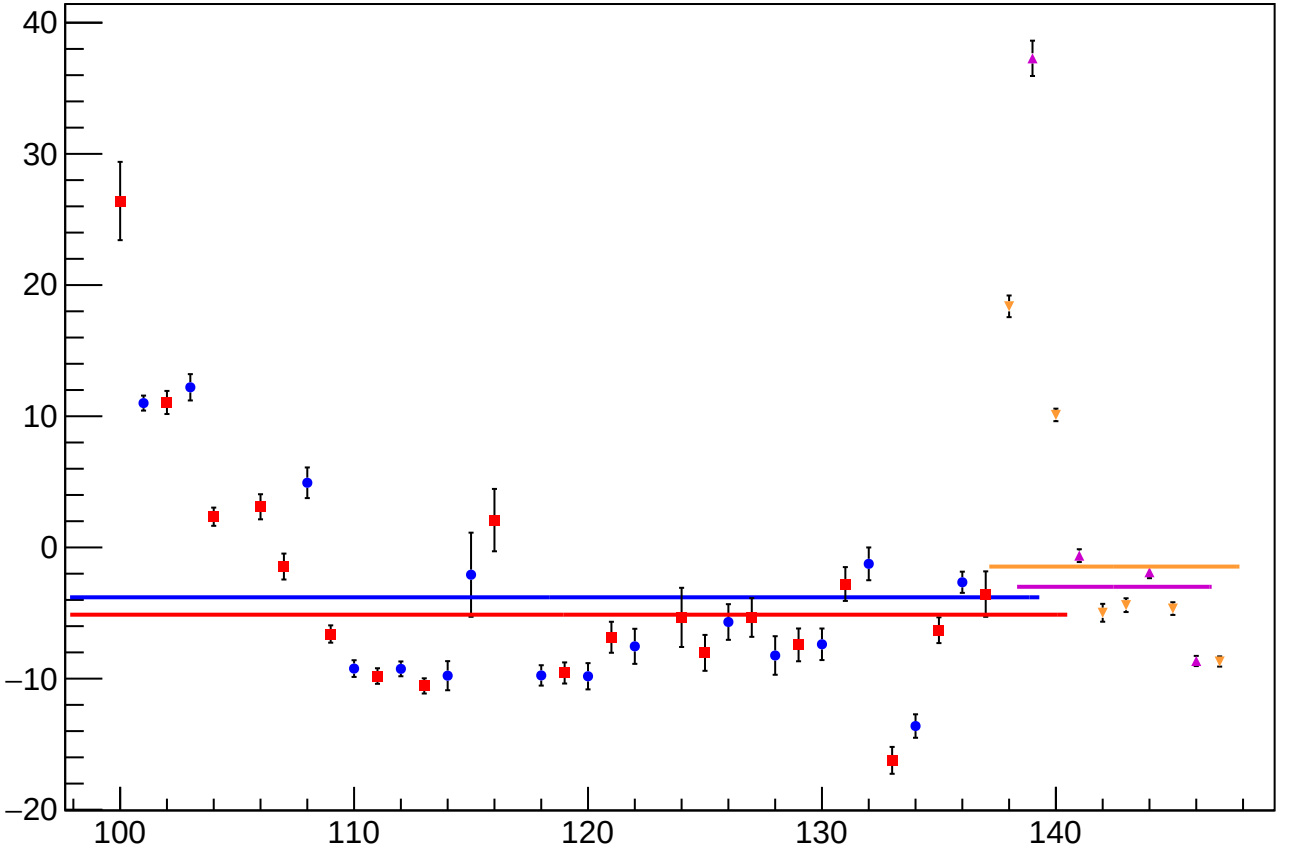
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -4.987+/-0.166 χ^2/NDF:2669.9/19

Out: -5.297+/-0.147 χ^2/NDF:5862.4/24

All: -5.161+/-0.110 χ^2/NDF: 8534.3/44

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -1.458+/-0.211 χ^2/NDF:1611.9/5

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.000+/-0.248 χ^2/NDF:1137.8/3

Left: -2.104+/-0.161 χ^2/NDF: 2772.0/9

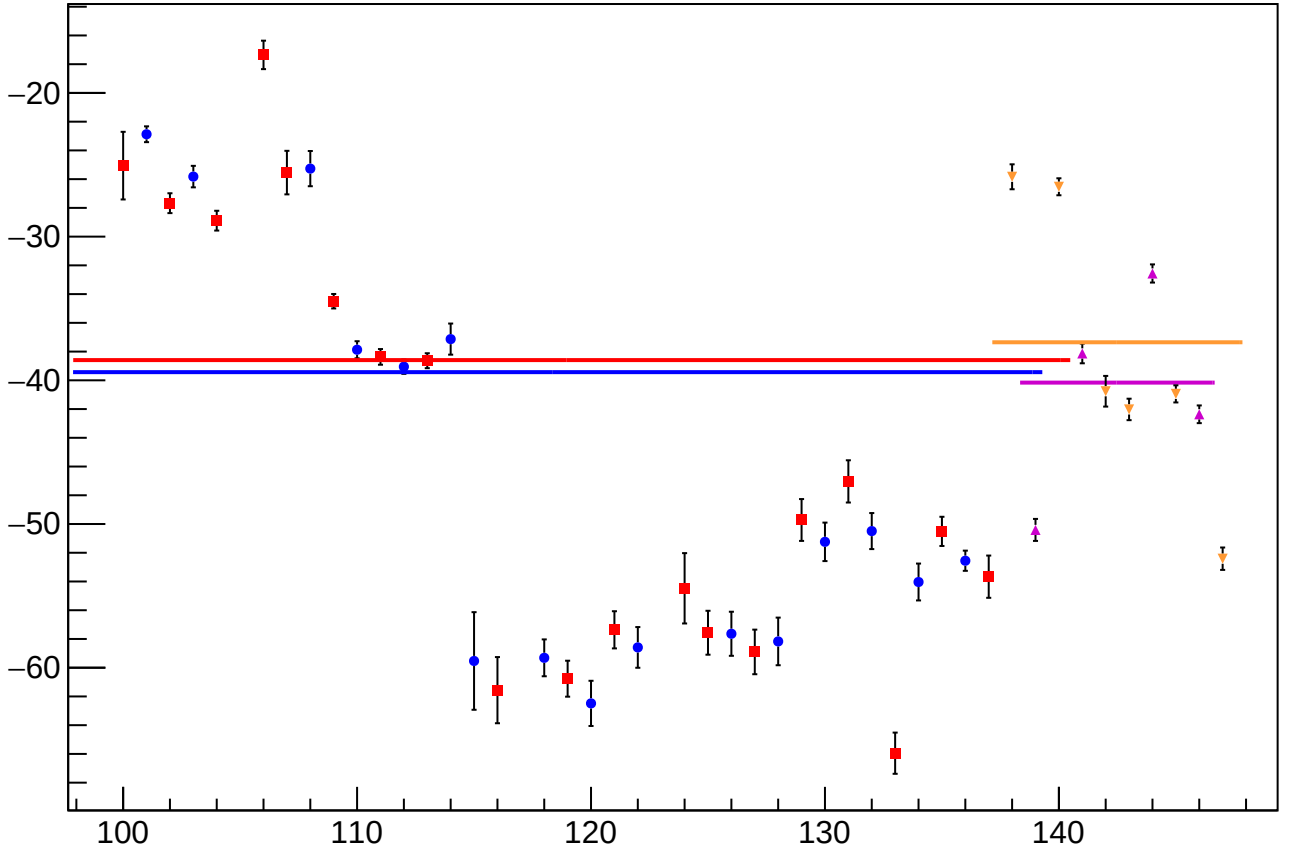
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.438+/-0.167 χ^2/NDF:2569.0/19

Out: -3.224+/-0.152 χ^2/NDF:2738.2/24

All: -3.321+/-0.112 χ^2/NDF: 5308.1/44

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -37.353+/-0.297 χ^2/NDF:971.1/5

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -40.159+/-0.334 χ^2/NDF:345.2/3

Left: -38.593+/-0.222 χ^2/NDF: 1355.7/9

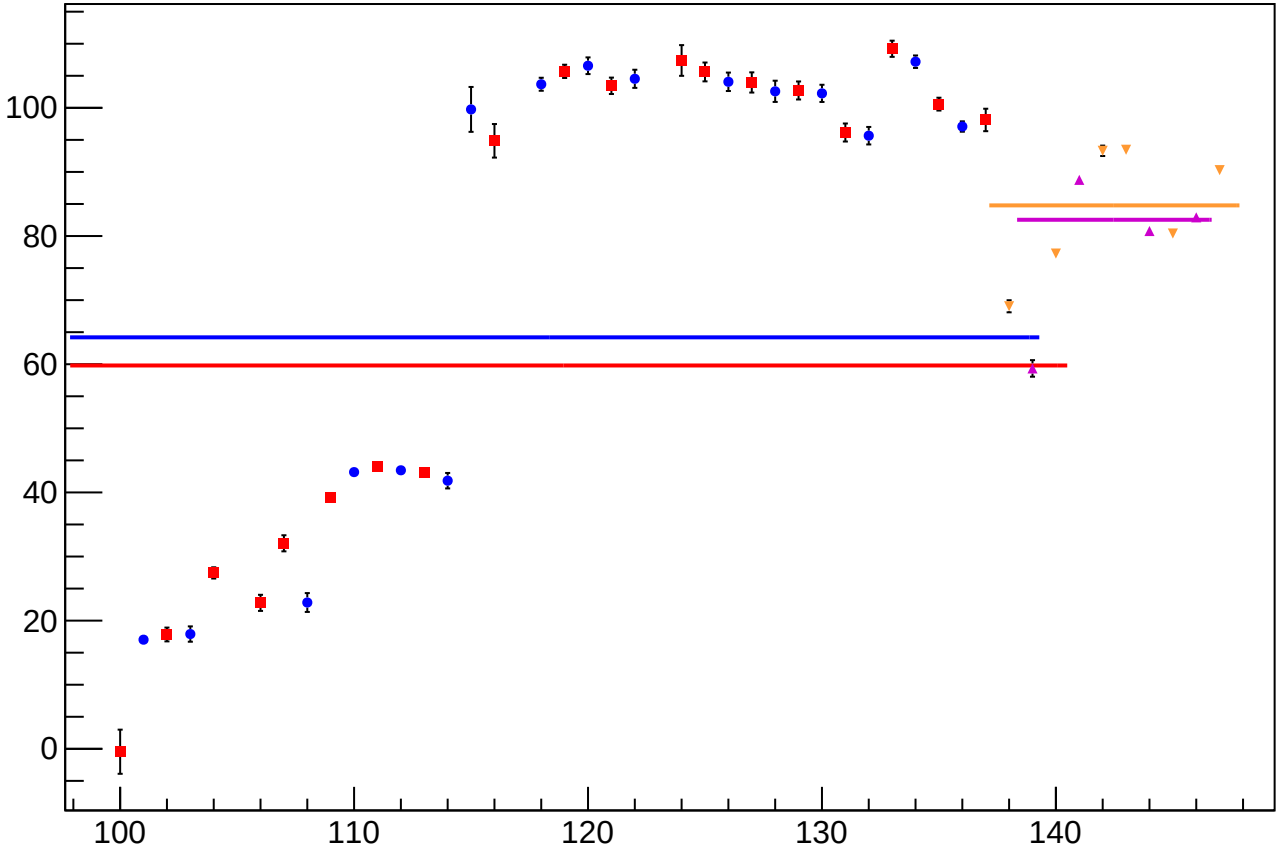
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -39.659+/-0.187 χ^2/NDF:3306.5/19

Out: -38.173+/-0.173 χ^2/NDF:3754.8/24

All: -38.858+/-0.127 χ^2/NDF: 7095.4/44

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: 84.781+/-0.257 χ^2/NDF:925.8/5

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 82.537+/-0.296 χ^2/NDF:448.5/3

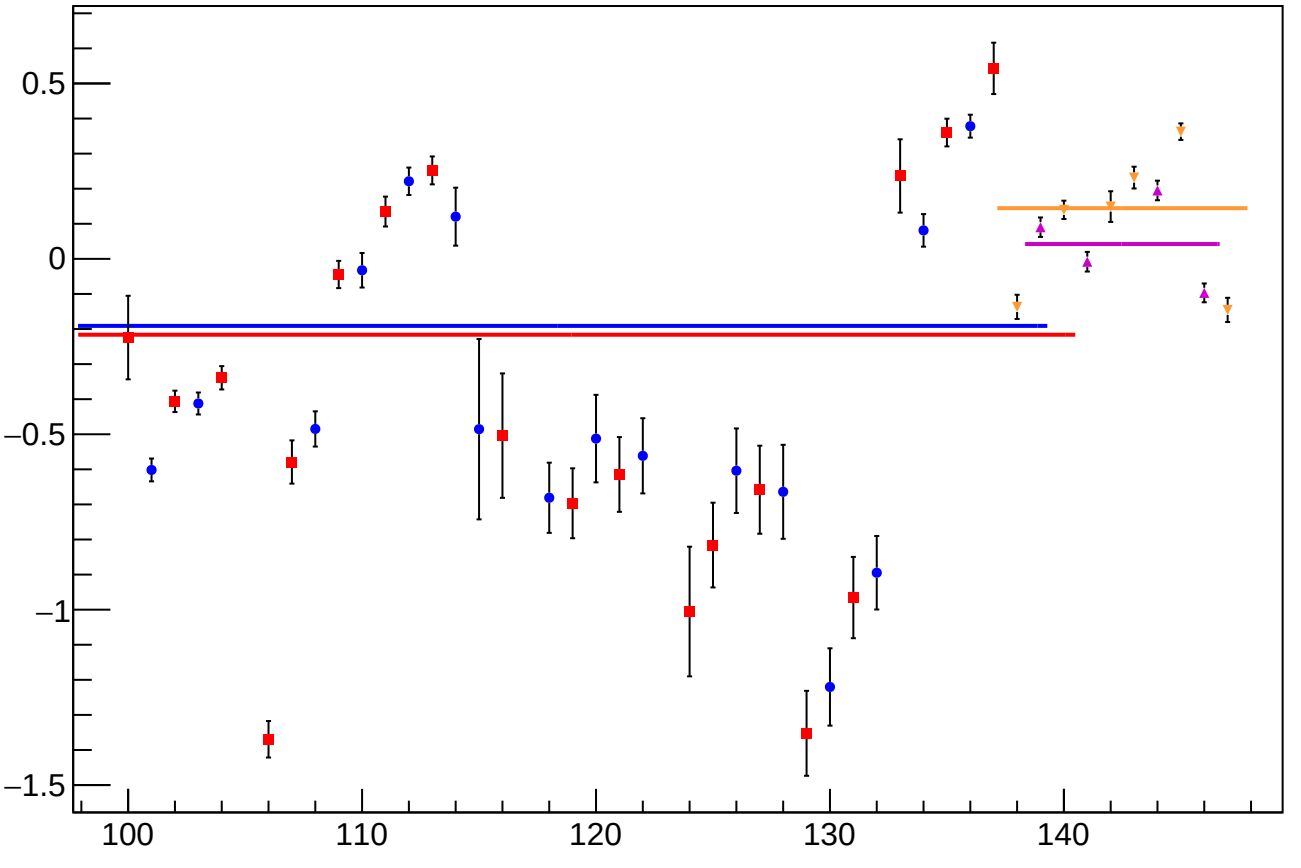
Left: 83.815+/-0.194 χ^2/NDF: 1407.1/9

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

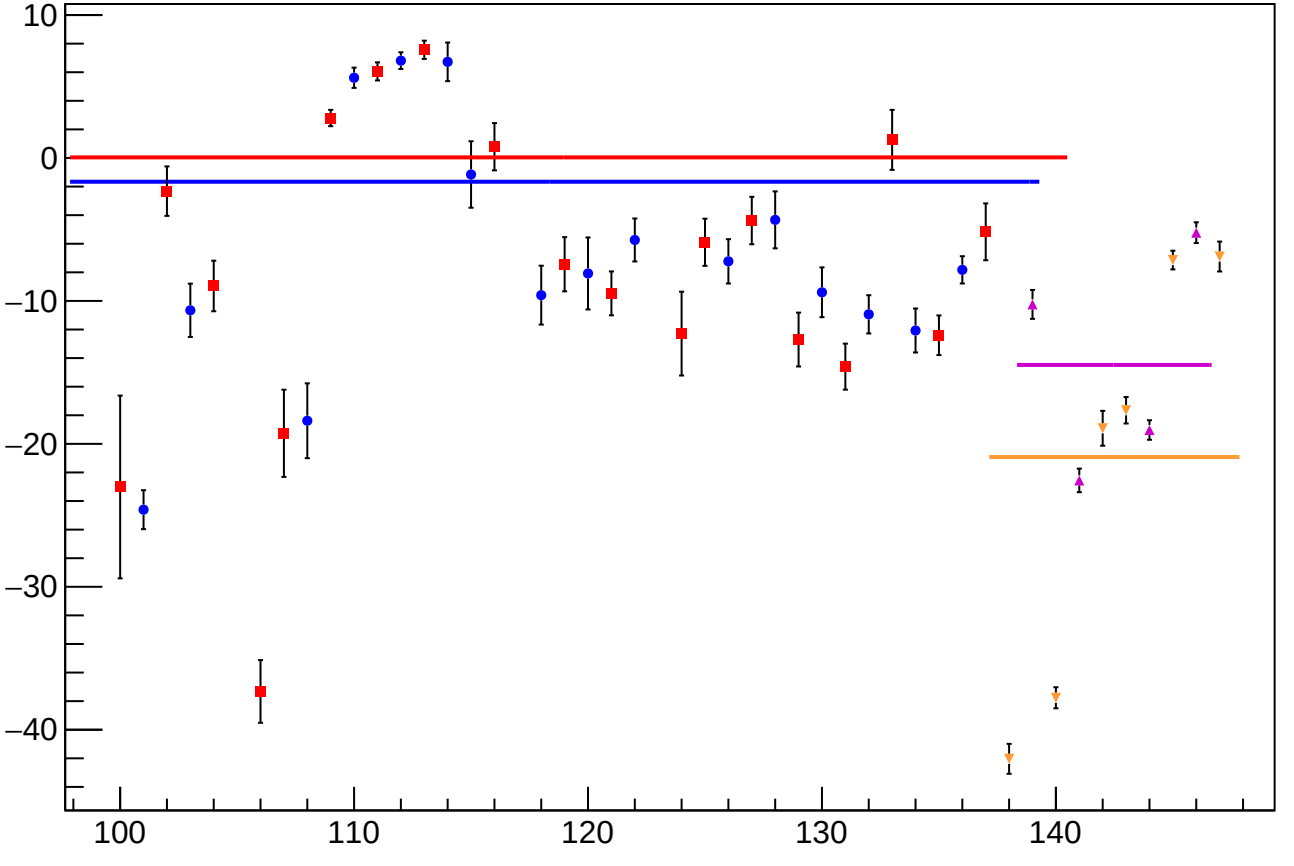
In: 72.101+/-0.194 χ^2/NDF:21231.5/19

Out: 71.872+/-0.179 χ^2/NDF:23228.0/24

All: 71.977+/-0.132 χ^2/NDF: 44460.2/44


reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
Right In: -0.191+/-0.013 χ²/NDF: 918.3/15
Left Out: 0.145+/-0.012 χ²/NDF:230.6/5
Right Out: -0.216+/-0.013 χ²/NDF: 1368.1/18
Left In: 0.042+/-0.014 χ²/NDF:63.1/3
Left: 0.099+/-0.009 χ²/NDF: 324.0/9
Right: -0.204+/-0.009 χ²/NDF: 2288.3/34
In: -0.077+/-0.010 χ²/NDF:1128.3/19
Out: -0.028+/-0.009 χ²/NDF:2004.0/24
All: -0.051+/-0.007 χ²/NDF: 3146.4/44

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: -20.921+/-0.357 χ^2/NDF:1569.6/5

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -14.478+/-0.393 χ^2/NDF:319.7/3

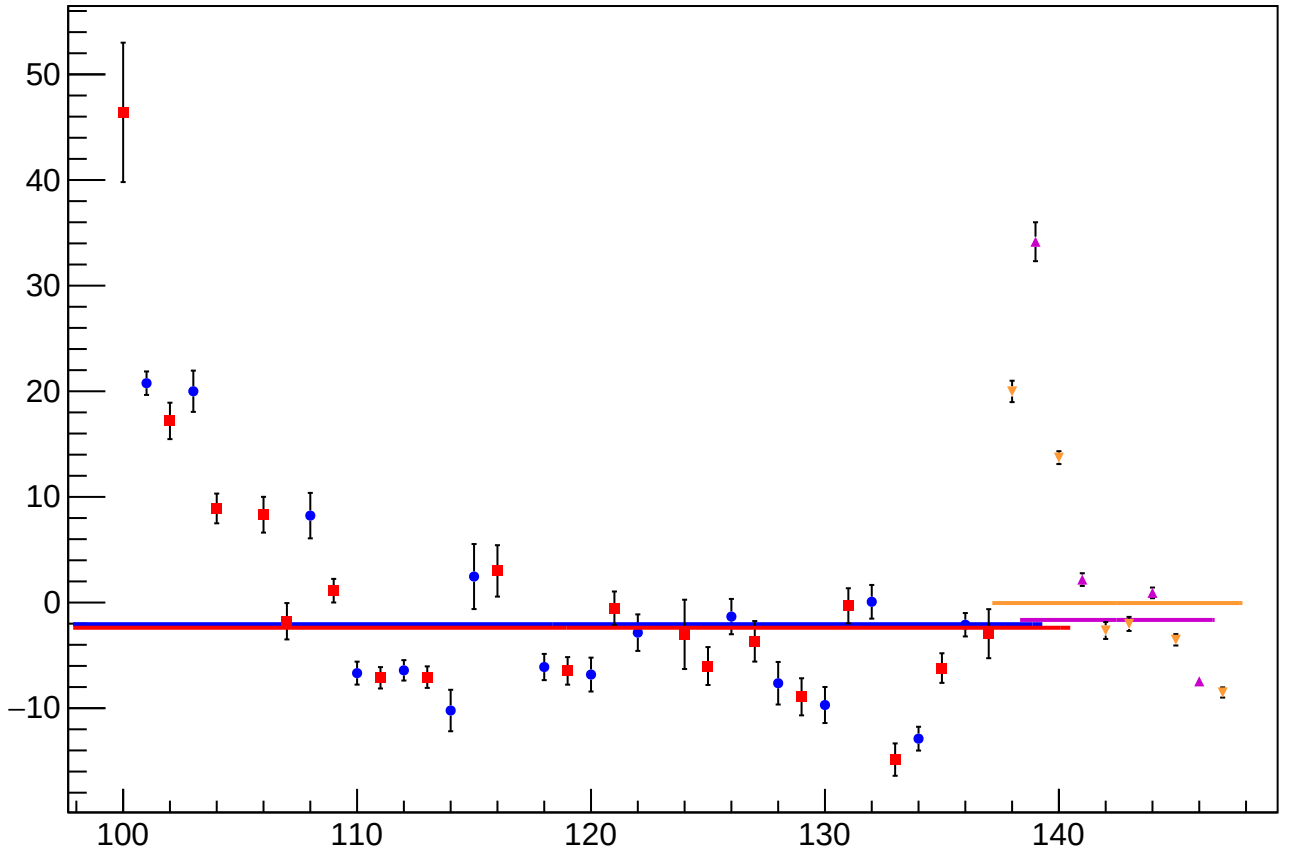
Left: -18.008+/-0.264 χ^2/NDF: 2036.7/9

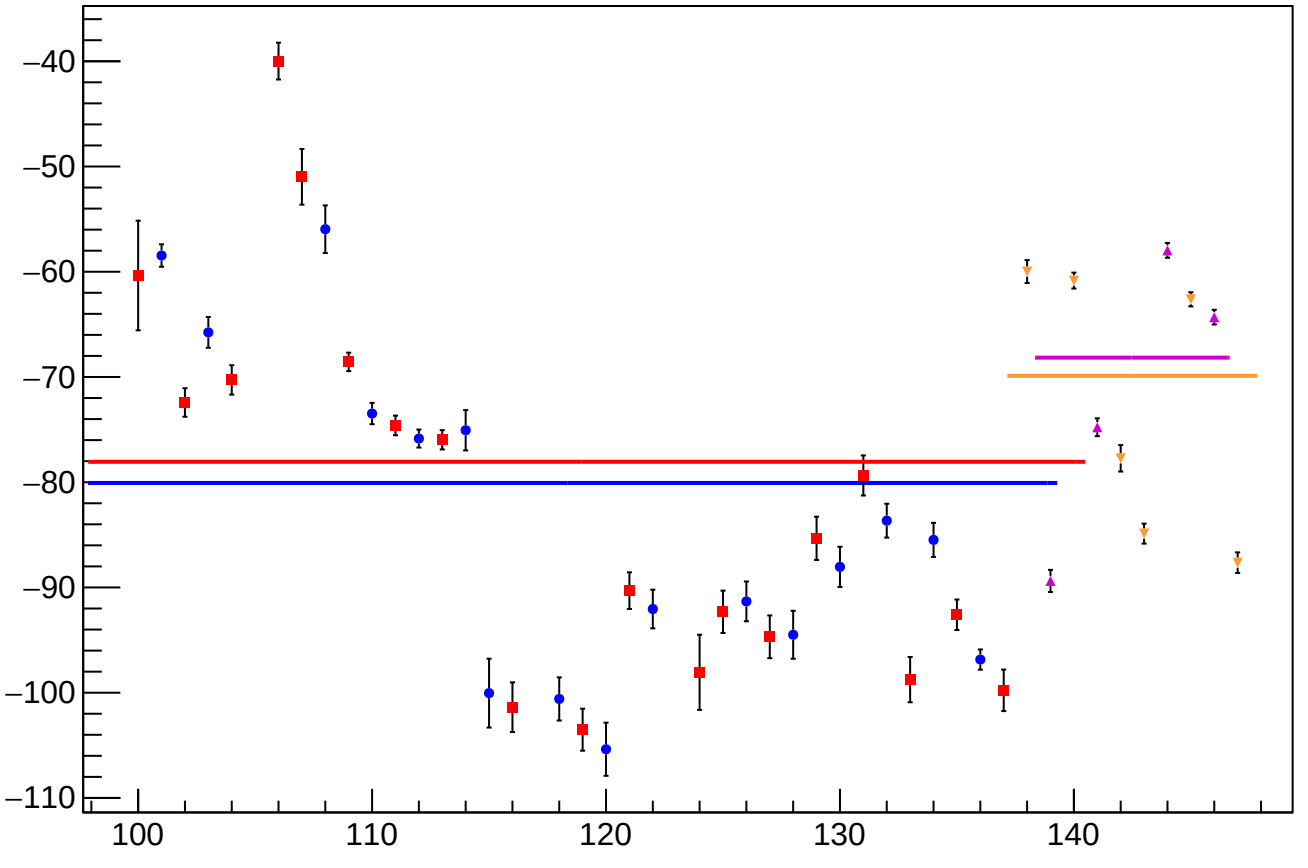
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -6.543+/-0.242 χ^2/NDF:1879.4/19

Out: -8.015+/-0.221 χ^2/NDF:4626.0/24

All: -7.346+/-0.163 χ^2/NDF: 6525.5/44


reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
100
110
120
130
140
Right In: -2.050+/-0.356 χ²/NDF: 771.9/15
Left Out: -0.048+/-0.256 χ²/NDF:1273.5/5
Right Out: -2.386+/-0.355 χ²/NDF: 450.9/18
Left In: -1.645+/-0.284 χ²/NDF:625.6/3
Left: -0.764+/-0.190 χ²/NDF: 1916.6/9
Right: -2.218+/-0.252 χ²/NDF: 1223.3/34
In: -1.803+/-0.222 χ²/NDF:1398.3/19
Out: -0.848+/-0.208 χ²/NDF:1752.9/24
All: -1.294+/-0.152 χ²/NDF: 3161.1/44



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -69.891+/-0.363 χ^2/NDF:960.9/5

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -68.161+/-0.397 χ^2/NDF:708.3/3

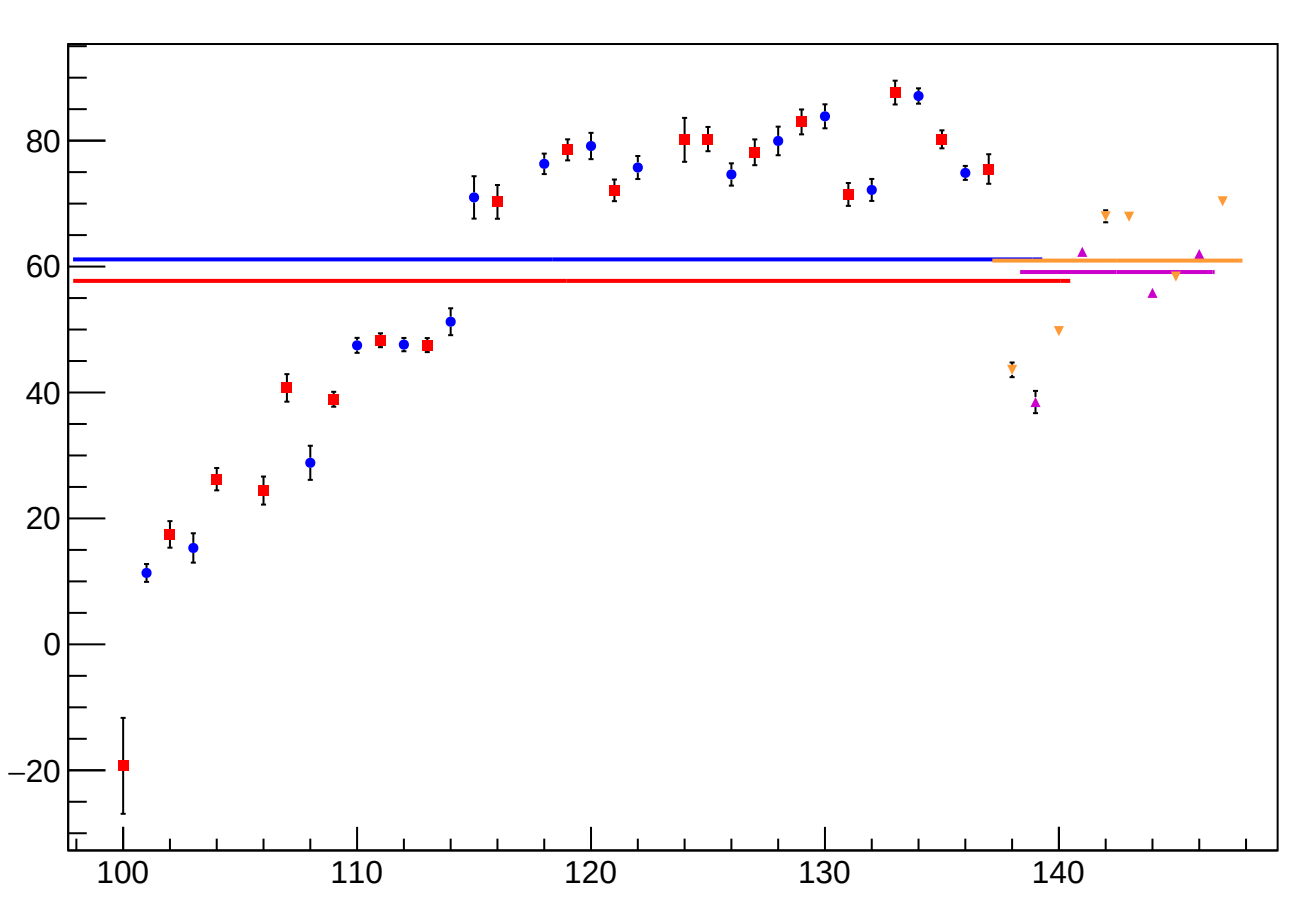
Left: -69.102+/-0.268 χ^2/NDF: 1679.5/9

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -74.617+/-0.268 χ^2/NDF:2584.4/19

Out: -74.083+/-0.253 χ^2/NDF:2782.0/24

All: -74.335+/-0.184 χ^2/NDF: 5368.4/44



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 60.950+/-0.313 χ^2/NDF:808.2/5

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 59.131+/-0.342 χ^2/NDF:215.8/3

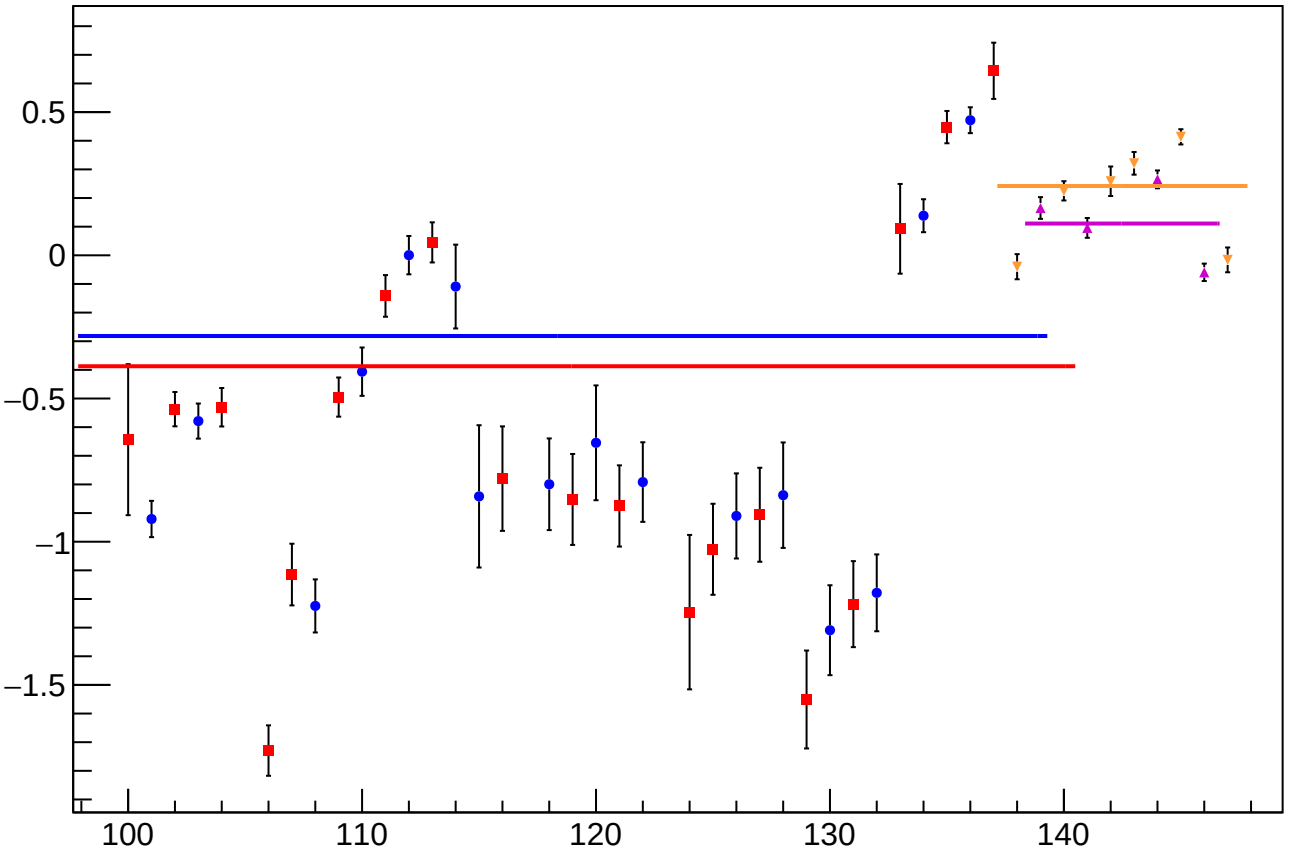
Left: 60.121+/-0.231 χ^2/NDF: 1039.4/9

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 59.977+/-0.260 χ^2/NDF:3459.6/19

Out: 59.728+/-0.246 χ^2/NDF:3624.0/24

All: 59.846+/-0.179 χ^2/NDF: 7084.1/44



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.242+/-0.015 χ^2/NDF:122.7/5

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.111+/-0.017 χ^2/NDF:58.2/3

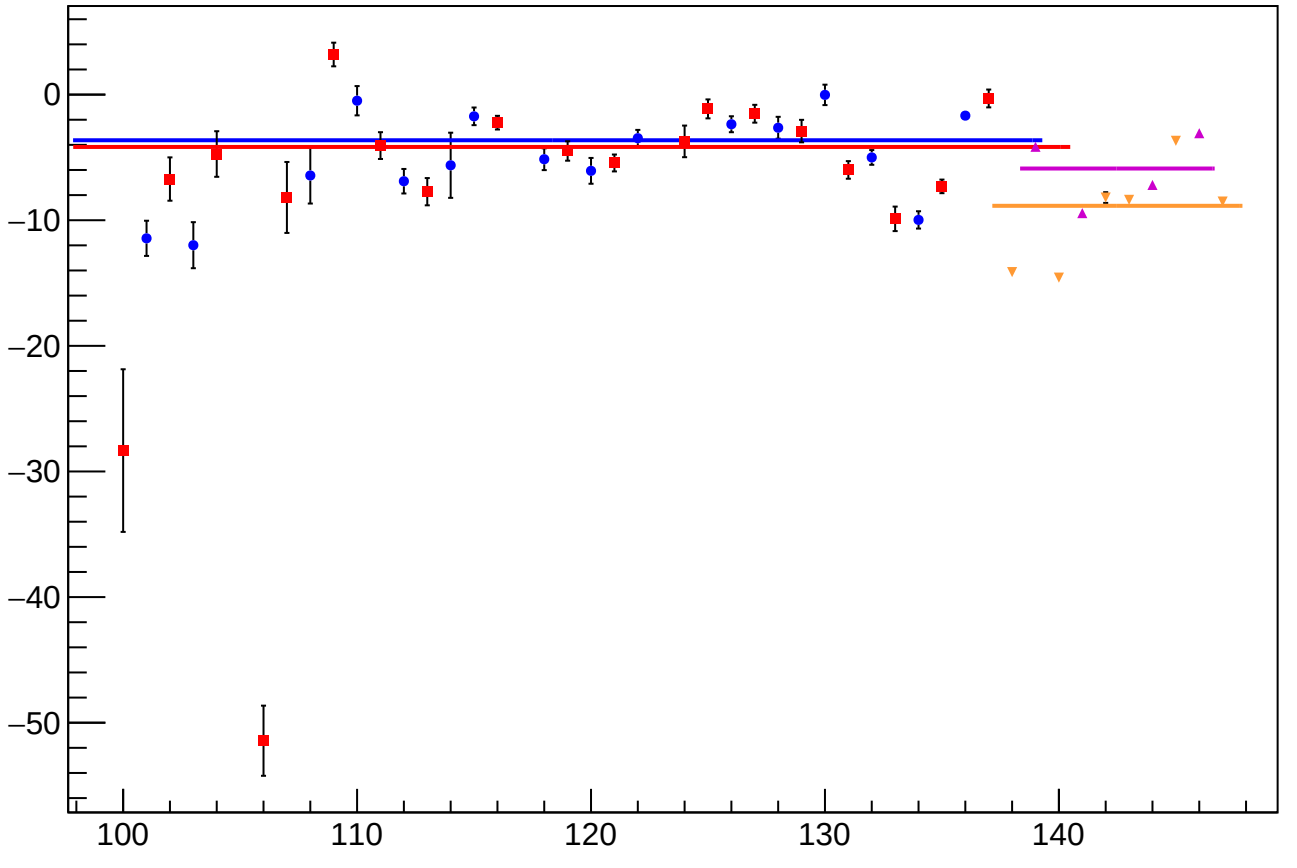
Left: 0.182+/-0.011 χ^2/NDF: 215.1/9

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.034+/-0.013 χ^2/NDF:994.2/19

Out: 0.039+/-0.012 χ^2/NDF:1500.1/24

All: 0.004+/-0.009 χ^2/NDF: 2510.4/44



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.852+/-0.123 χ^2/NDF:1266.9/5

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -5.884+/-0.132 χ^2/NDF:351.3/3

Left: -7.481+/-0.090 χ^2/NDF: 1888.3/9

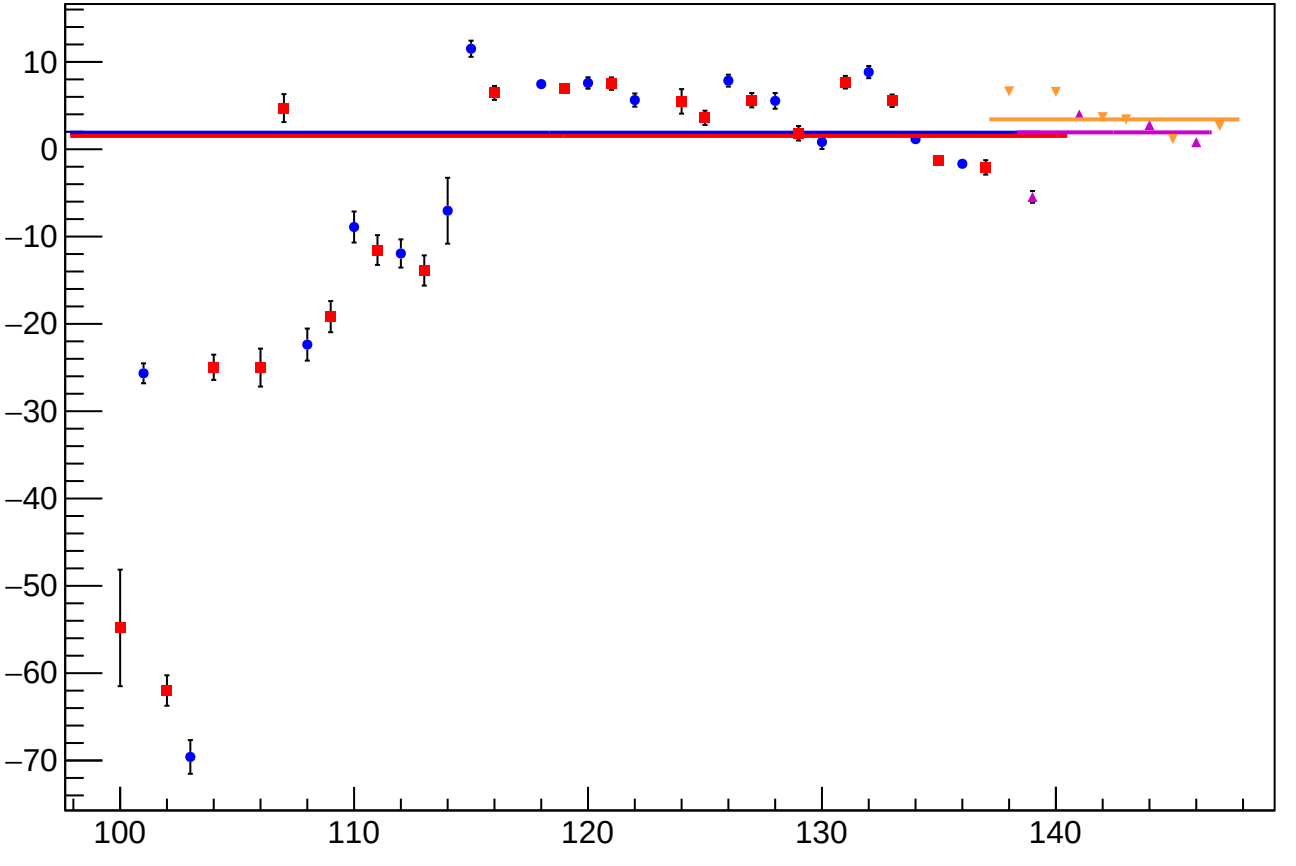
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.143+/-0.108 χ^2/NDF:681.1/19

Out: -7.566+/-0.105 χ^2/NDF:2196.9/24

All: -6.400+/-0.075 χ^2/NDF: 3136.6/44

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.423+/-0.089 χ^2/NDF:476.3/5

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 1.932+/-0.095 χ^2/NDF:303.6/3

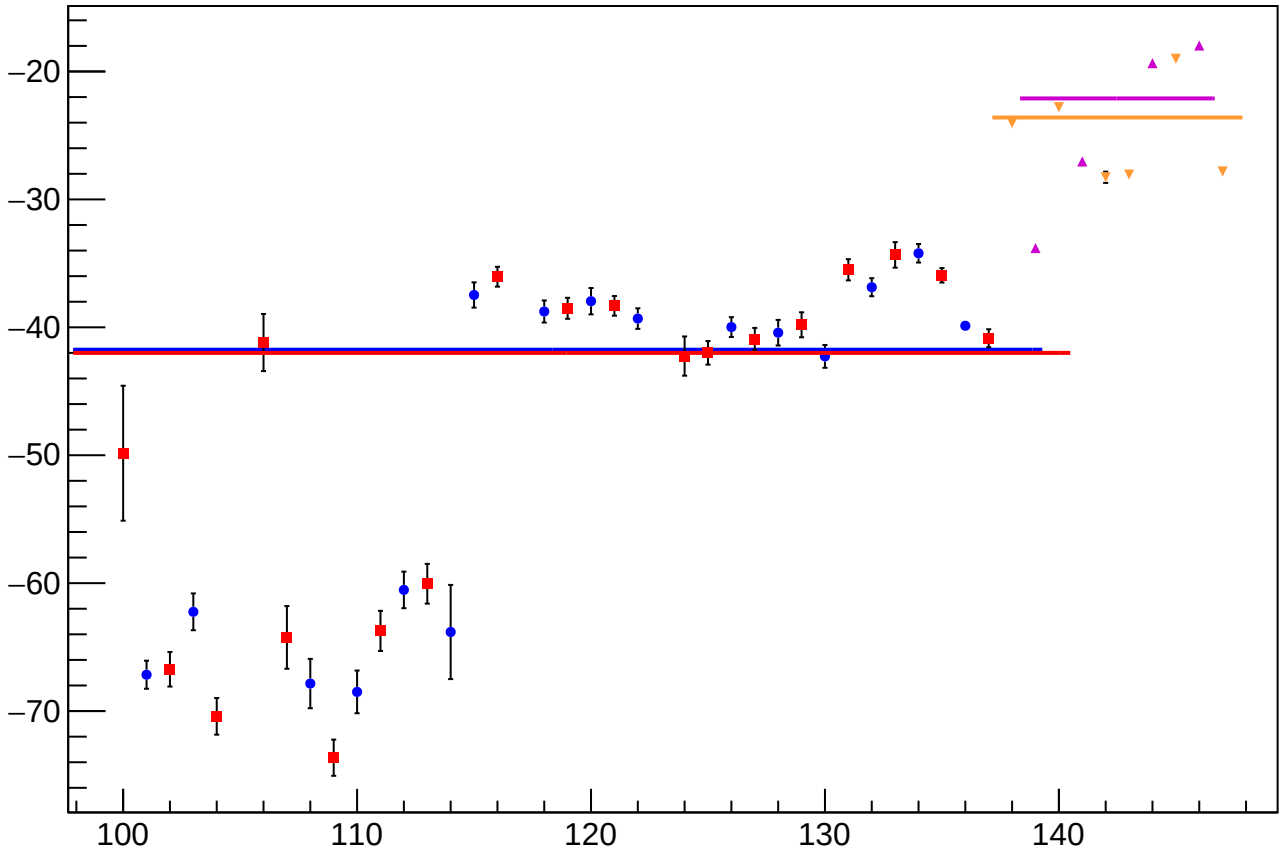
Left: 2.726+/-0.065 χ^2/NDF: 912.0/9

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 1.925+/-0.085 χ^2/NDF:3141.9/19

Out: 3.132+/-0.082 χ^2/NDF:3106.4/24

All: 2.551+/-0.059 χ^2/NDF: 6353.5/44



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -23.598+/-0.125 χ^2/NDF:889.9/5

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -22.106+/-0.133 χ^2/NDF:1682.6/3

Left: -22.900+/-0.091 χ^2/NDF: 2638.9/9

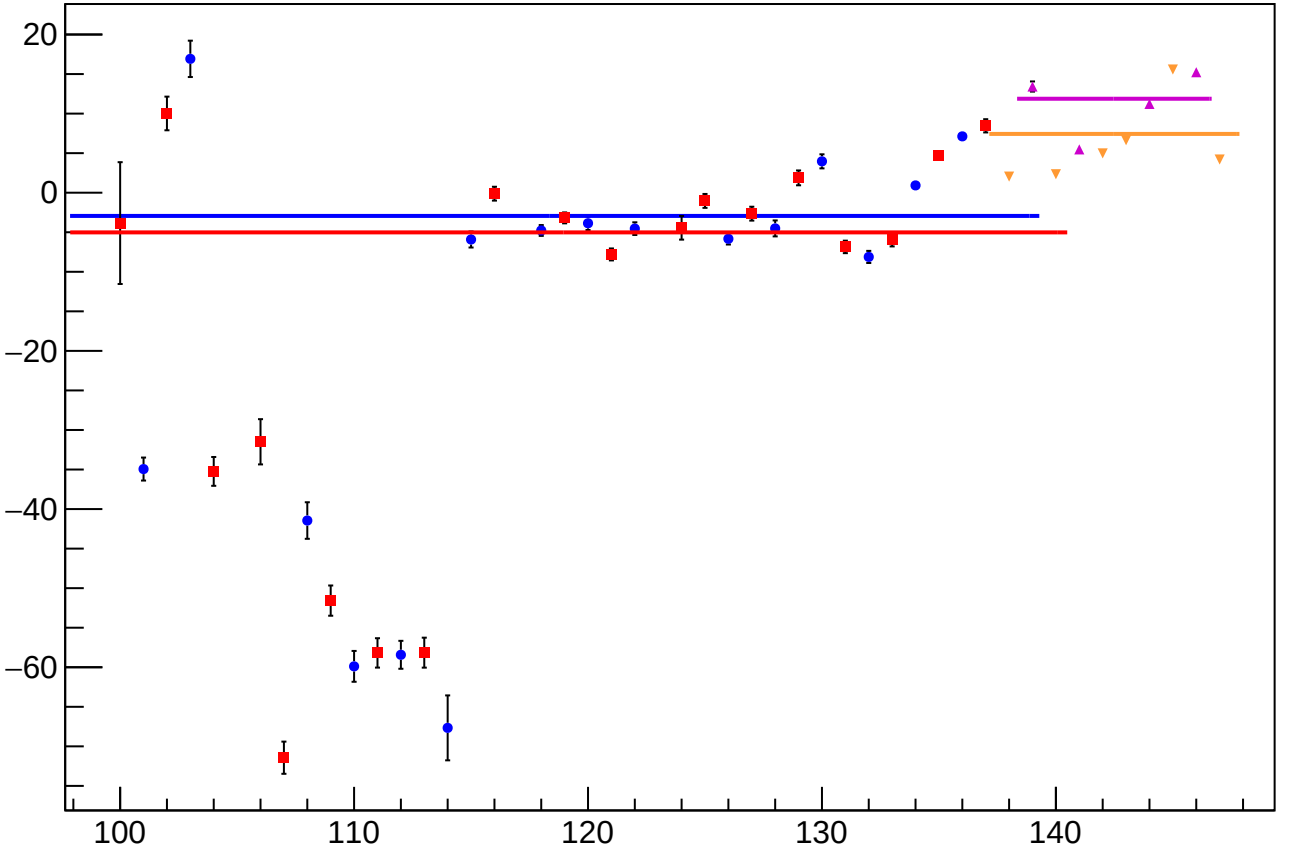
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.848+/-0.112 χ^2/NDF:9652.0/19

Out: -27.844+/-0.110 χ^2/NDF:7873.8/24

All: -27.846+/-0.078 χ^2/NDF: 17525.8/44

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: 7.432+/-0.108 χ^2/NDF:2422.1/5

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 11.879+/-0.114 χ^2/NDF:1028.9/3

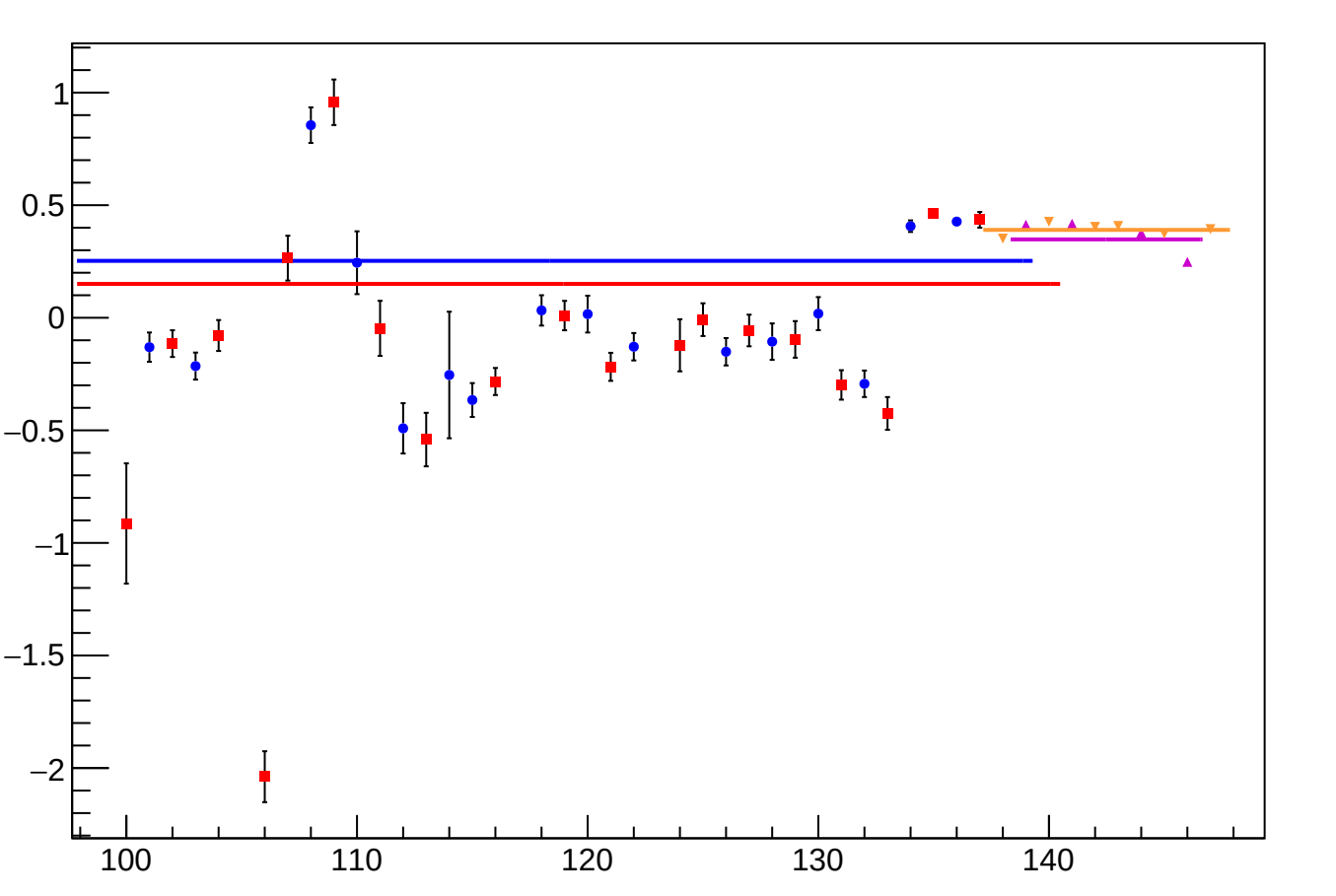
Left: 9.534+/-0.078 χ^2/NDF: 4252.7/9

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.495+/-0.100 χ^2/NDF:8607.4/19

Out: 5.212+/-0.098 χ^2/NDF:9169.6/24

All: 6.815+/-0.070 χ^2/NDF: 18326.4/44



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.390+/-0.005 χ^2/NDF:21.5/5

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.348+/-0.006 χ^2/NDF:169.3/3

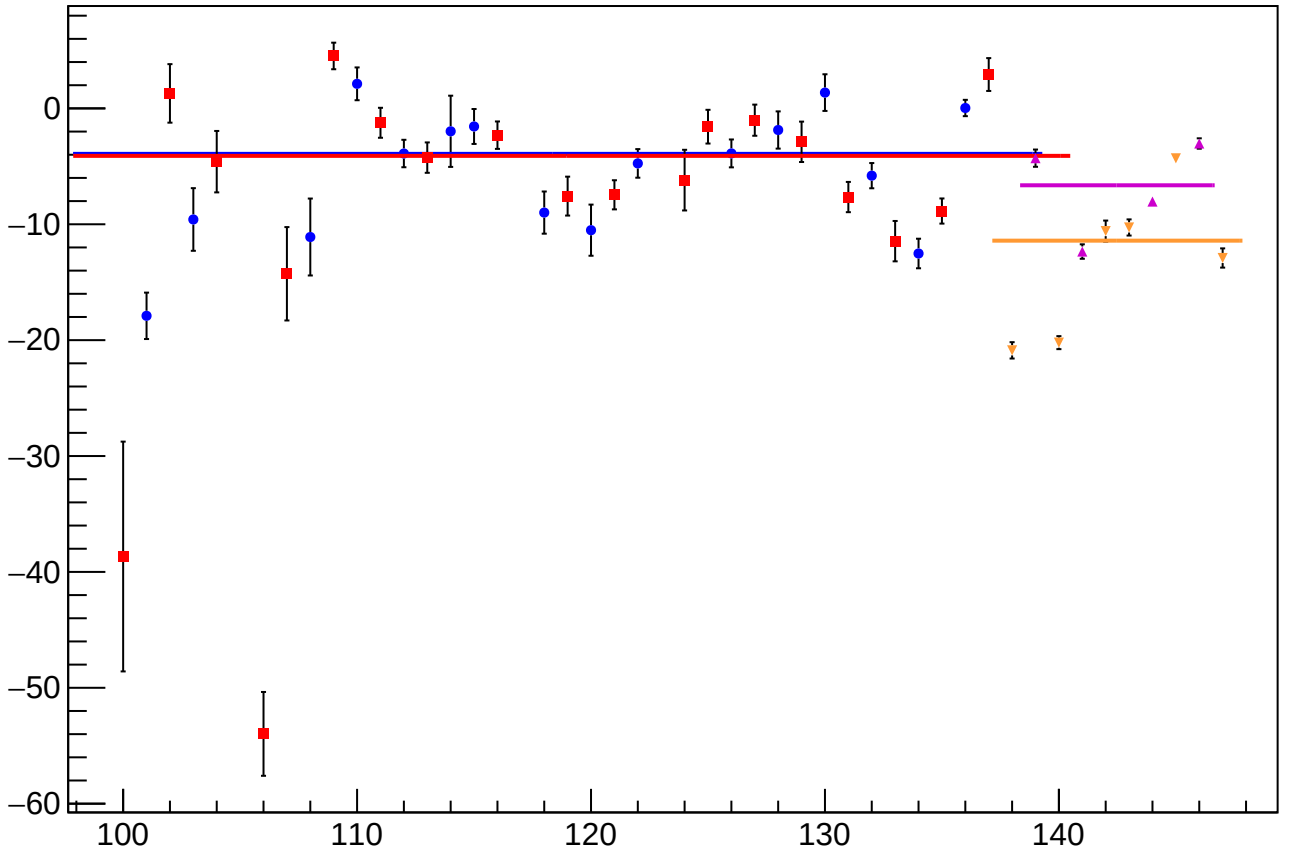
Left: 0.371+/-0.004 χ^2/NDF: 221.1/9

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.330+/-0.005 χ^2/NDF:855.9/19

Out: 0.359+/-0.005 χ^2/NDF:1319.8/24

All: 0.345+/-0.003 χ^2/NDF: 2192.8/44



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.413+/-0.247 χ^2/NDF:758.1/5

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -6.635+/-0.260 χ^2/NDF:169.2/3

Left: -9.148+/-0.179 χ^2/NDF: 1104.4/9

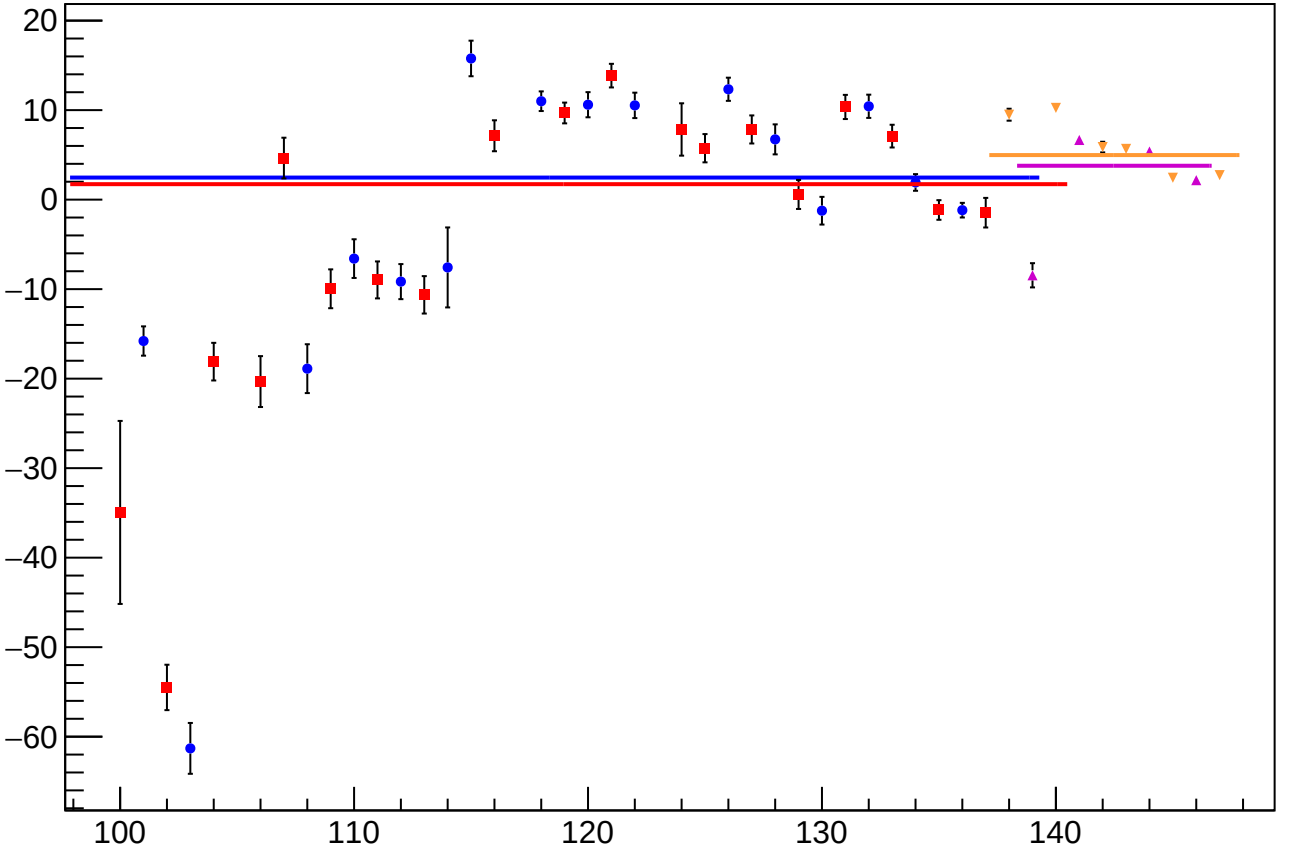
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -5.655+/-0.208 χ^2/NDF:397.2/19

Out: -9.039+/-0.203 χ^2/NDF:1409.1/24

All: -7.387+/-0.145 χ^2/NDF: 1941.7/44

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: 4.978+/-0.181 χ^2/NDF:277.5/5

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.785+/-0.183 χ^2/NDF:184.5/3

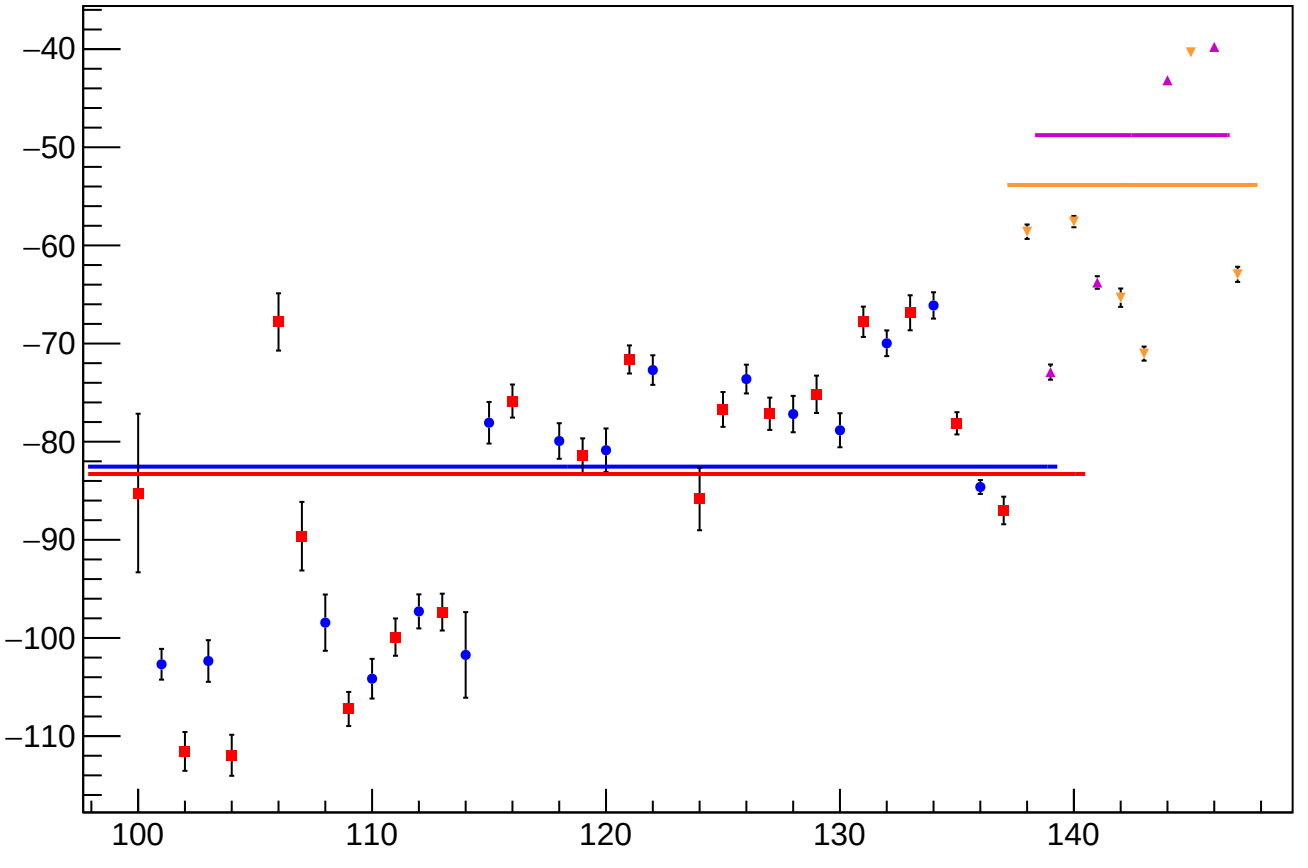
Left: 4.388+/-0.129 χ^2/NDF: 483.4/9

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.509+/-0.163 χ^2/NDF:1242.1/19

Out: 4.390+/-0.164 χ^2/NDF:1318.6/24

All: 3.947+/-0.116 χ^2/NDF: 2575.2/44



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -53.843+/-0.253 χ^2/NDF:2052.4/5

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -48.765+/-0.262 χ^2/NDF:2112.5/3

Left: -51.398+/-0.182 χ^2/NDF: 4359.3/9

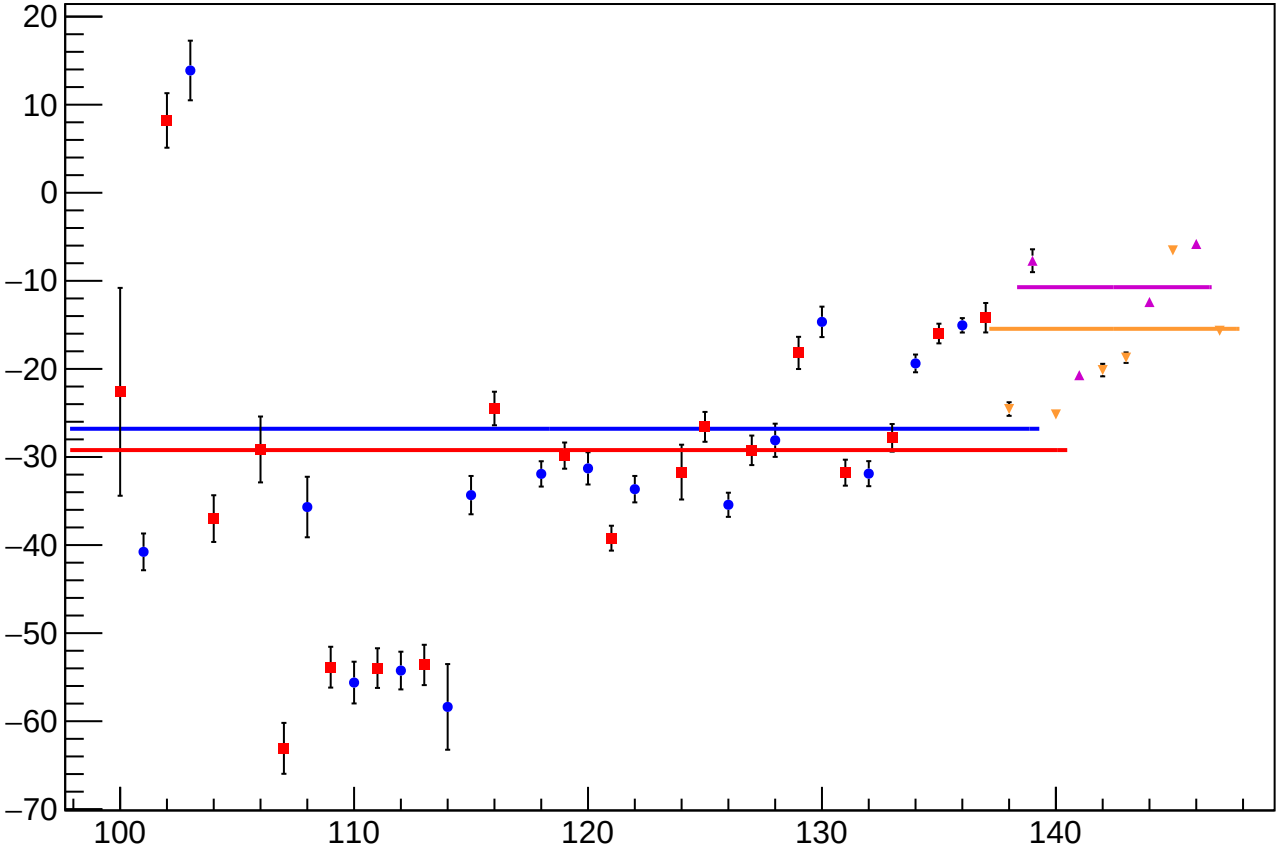
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -59.492+/-0.217 χ^2/NDF:8222.5/19

Out: -61.829+/-0.216 χ^2/NDF:6827.6/24

All: -60.665+/-0.153 χ^2/NDF: 15108.5/44

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: -15.447+/-0.219 χ^2/NDF:1105.8/5

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -10.720+/-0.222 χ^2/NDF:585.2/3

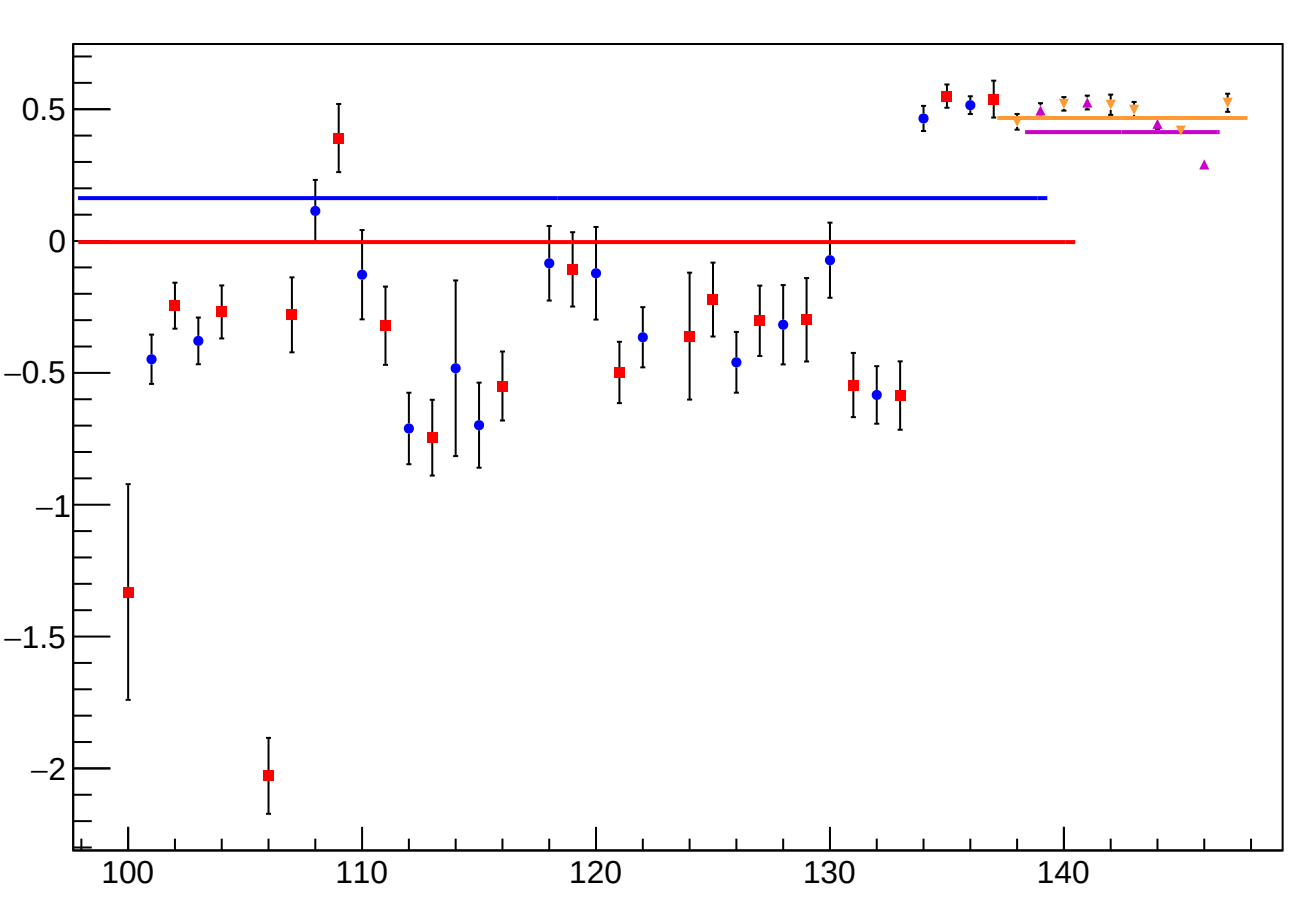
Left: -13.112+/-0.156 χ^2/NDF: 1920.3/9

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -14.571+/-0.194 χ^2/NDF:2804.5/19

Out: -18.280+/-0.196 χ^2/NDF:2876.7/24

All: -16.407+/-0.138 χ^2/NDF: 5862.8/44



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.467+/-0.010 χ^2/NDF:19.0/5

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.413+/-0.011 χ^2/NDF:72.5/3

Left: 0.441+/-0.008 χ^2/NDF: 103.8/9

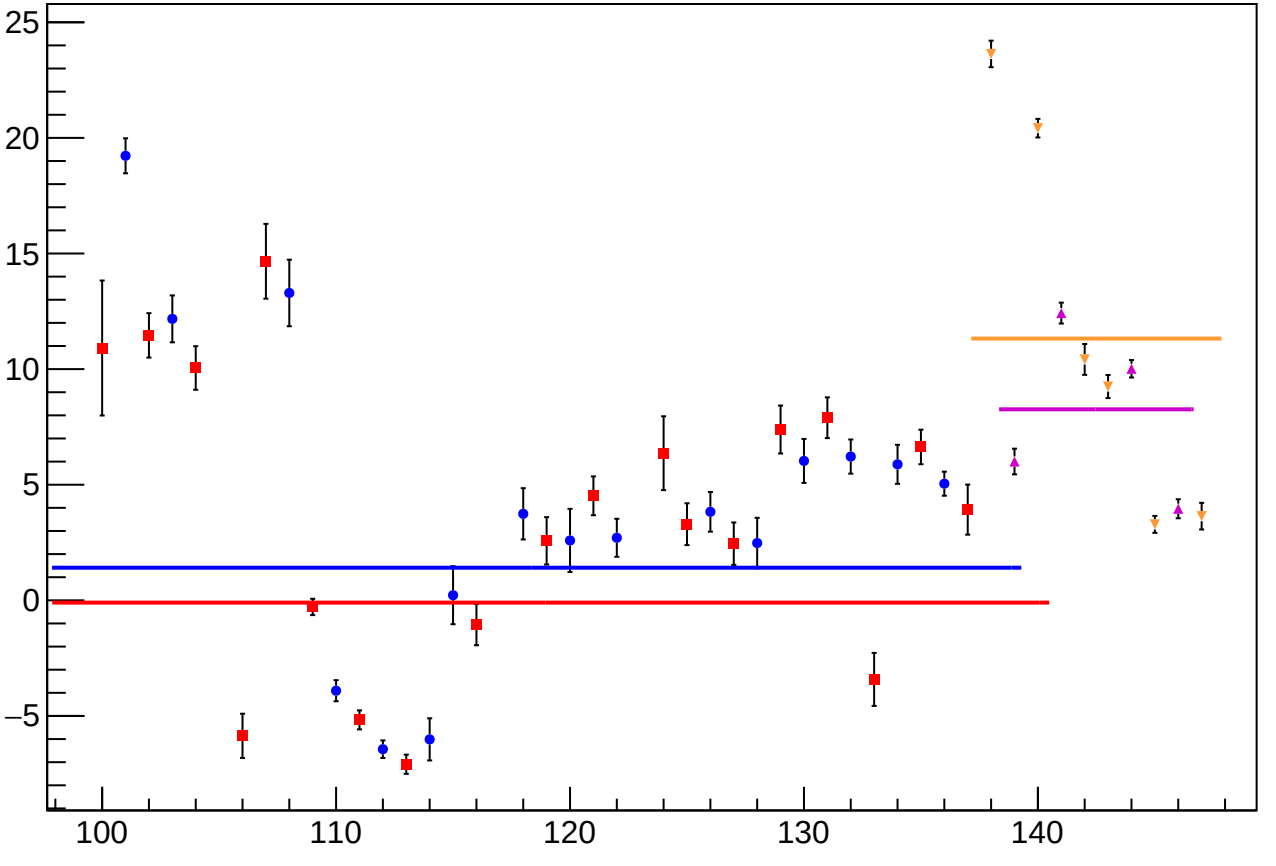
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.361+/-0.010 χ^2/NDF:603.2/19

Out: 0.393+/-0.010 χ^2/NDF:906.2/24

All: 0.377+/-0.007 χ^2/NDF: 1515.1/44

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 11.321+/-0.196 χ^2/NDF:1650.7/5

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 8.261+/-0.218 χ^2/NDF:232.3/3

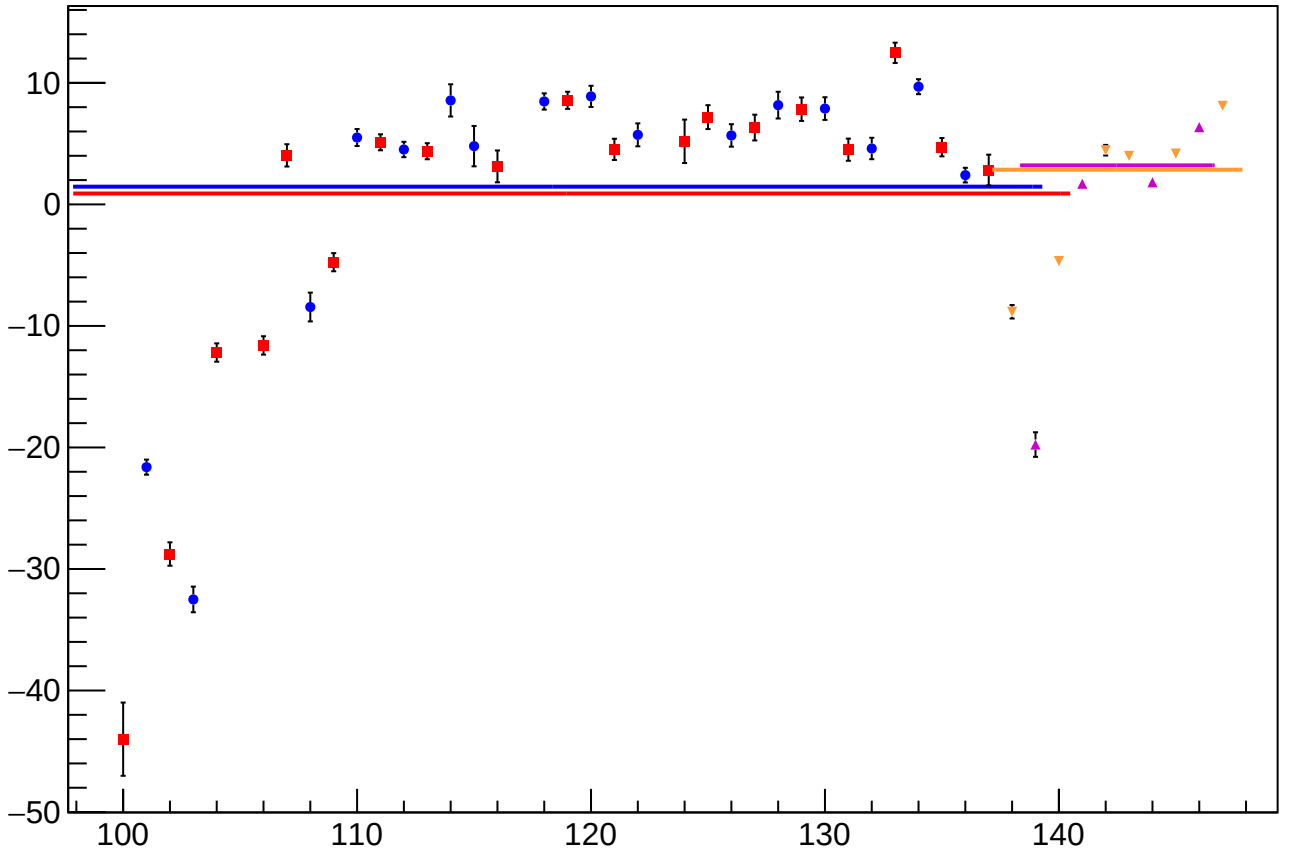
Left: 9.949+/-0.146 χ^2/NDF: 1991.9/9

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 4.248+/-0.140 χ^2/NDF:2333.9/19

Out: 4.709+/-0.127 χ^2/NDF:4757.2/24

All: 4.501+/-0.094 χ^2/NDF: 7097.0/44



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.855+/-0.141 χ^2/NDF:1390.1/5

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.210+/-0.157 χ^2/NDF:733.8/3

Left: 3.013+/-0.105 χ^2/NDF: 2126.7/9

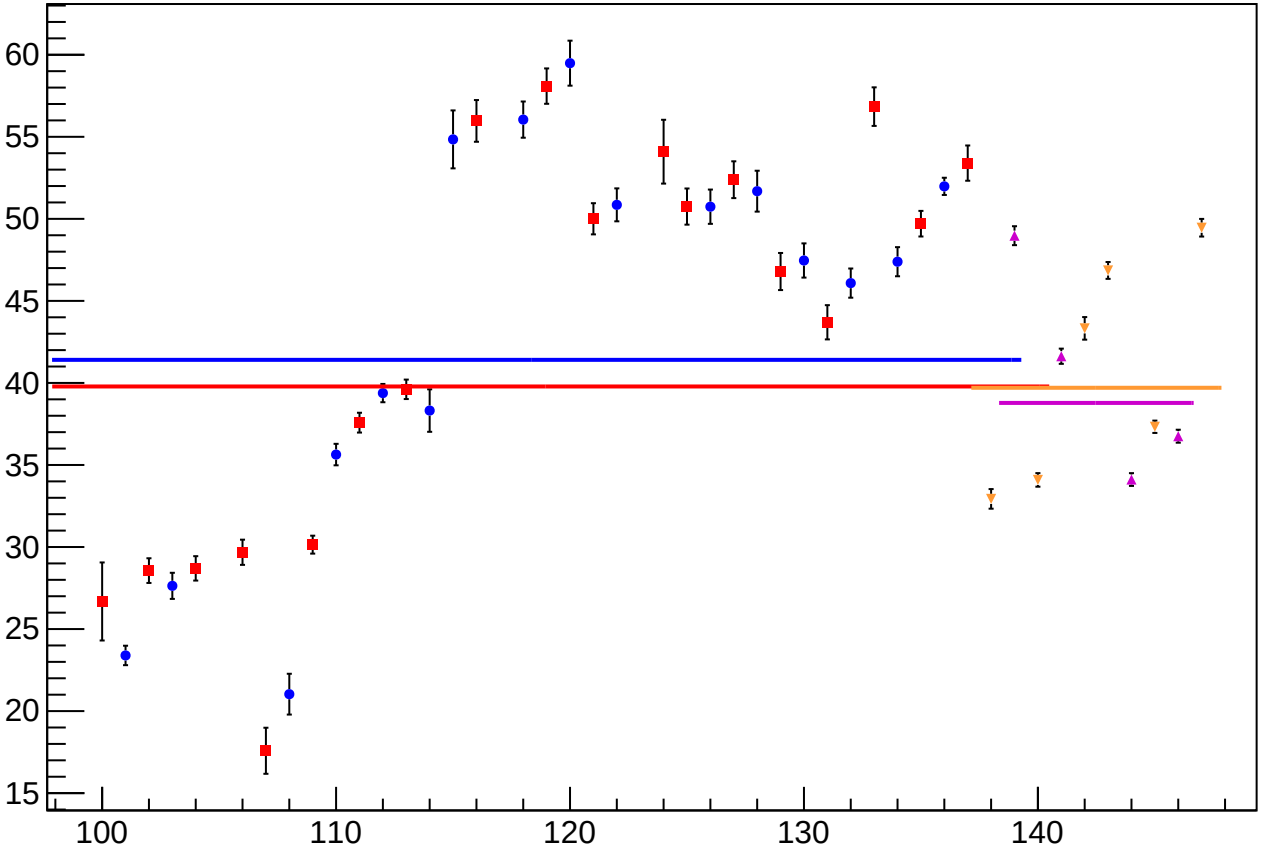
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 2.556+/-0.124 χ^2/NDF:3860.4/19

Out: 2.214+/-0.116 χ^2/NDF:3830.4/24

All: 2.373+/-0.085 χ^2/NDF: 7694.9/44

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 39.705+/-0.200 χ^2/NDF:902.4/5

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 38.782+/-0.220 χ^2/NDF:520.2/3

Left: 39.288+/-0.148 χ^2/NDF: 1432.3/9

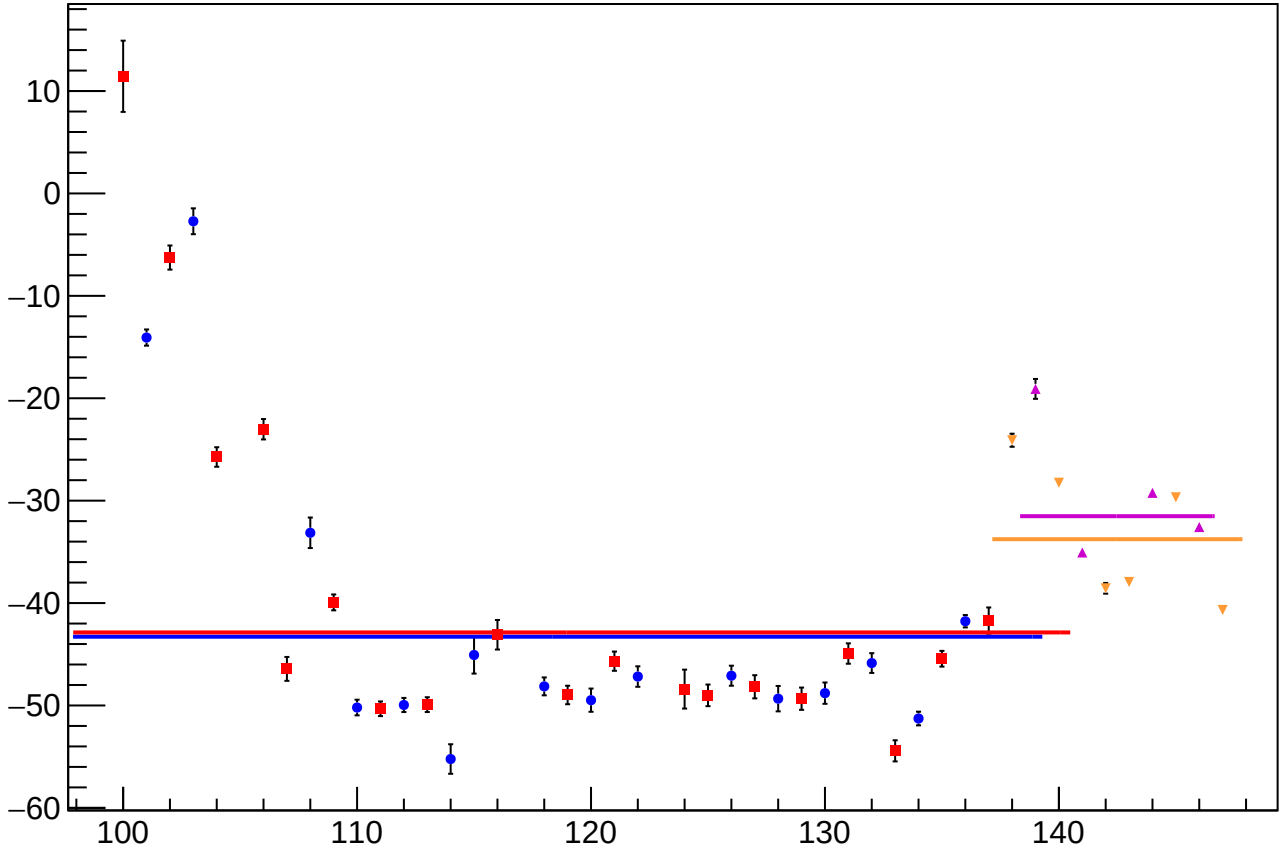
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 40.151+/-0.152 χ^2/NDF:3340.5/19

Out: 39.744+/-0.142 χ^2/NDF:3556.3/24

All: 39.934+/-0.104 χ^2/NDF: 6900.6/44

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: -33.763+/-0.172 χ^2/NDF:1099.4/5

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -31.517+/-0.189 χ^2/NDF:307.1/3

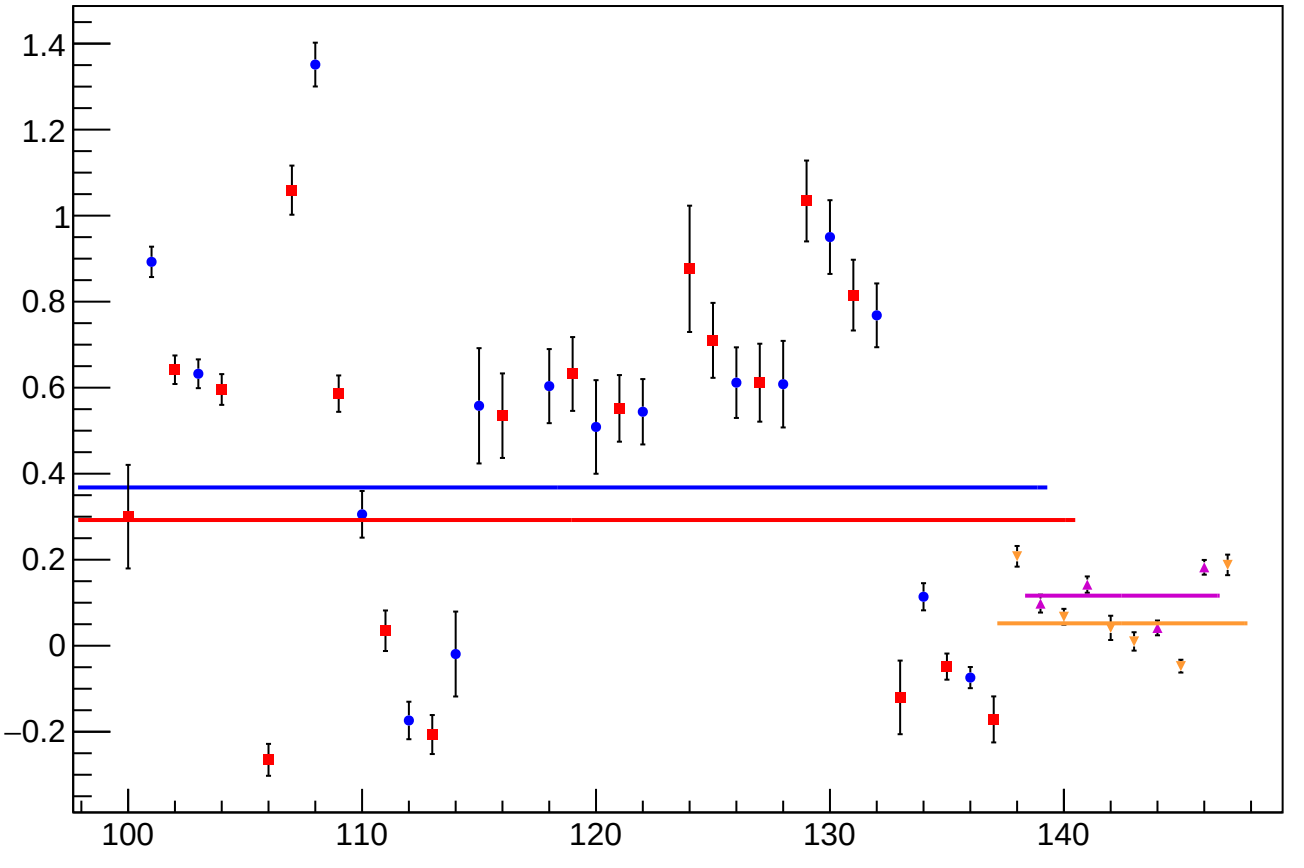
Left: -32.747+/-0.127 χ^2/NDF: 1483.7/9

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.286+/-0.146 χ^2/NDF:4858.5/19

Out: -37.047+/-0.138 χ^2/NDF:4563.8/24

All: -36.689+/-0.100 χ^2/NDF: 9436.7/44



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.052+/-0.008 χ^2/NDF:123.8/5

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.116+/-0.009 χ^2/NDF:36.4/3

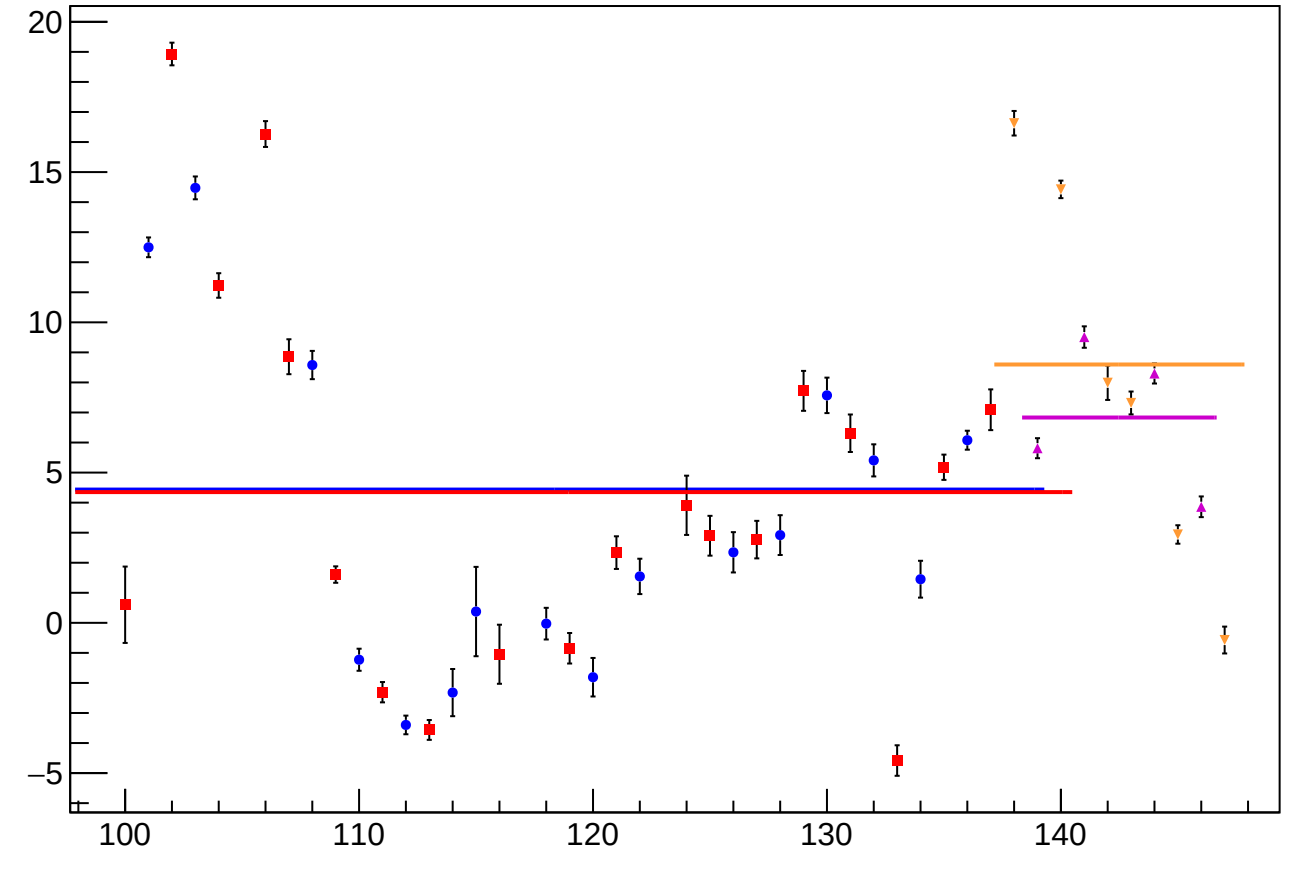
Left: 0.081+/-0.006 χ^2/NDF: 187.1/9

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.207+/-0.007 χ^2/NDF:1629.0/19

Out: 0.129+/-0.007 χ^2/NDF:1590.1/24

All: 0.166+/-0.005 χ^2/NDF: 3279.3/44



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 8.597+/-0.152 χ^2/NDF:1558.7/5

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 6.833+/-0.171 χ^2/NDF:159.4/3

Left: 7.818+/-0.114 χ^2/NDF: 1777.7/9

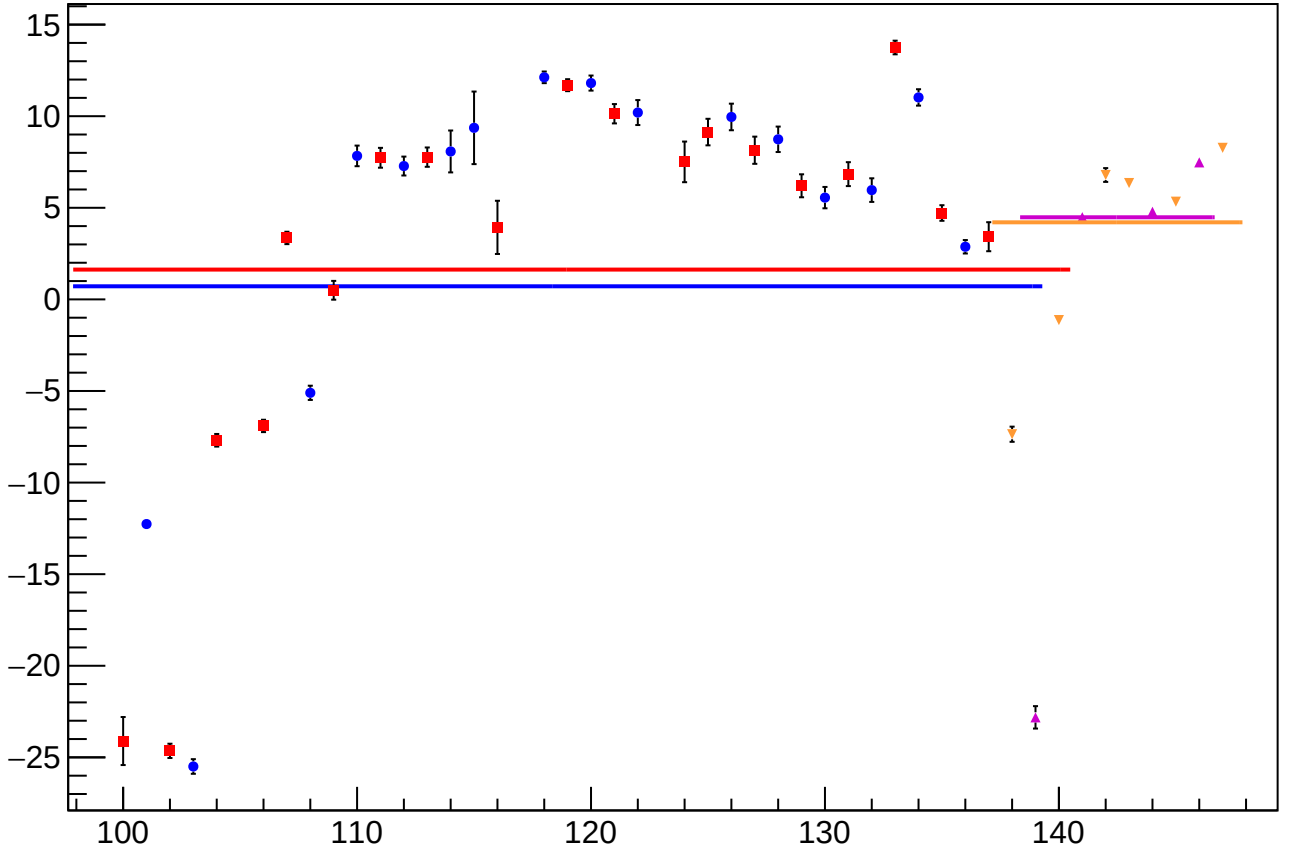
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 5.200+/-0.097 χ^2/NDF:2915.6/19

Out: 5.796+/-0.089 χ^2/NDF:6279.4/24

All: 5.523+/-0.065 χ^2/NDF: 9215.7/44

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.207+/-0.111 χ^2/NDF:1762.8/5

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 4.482+/-0.133 χ^2/NDF:2195.7/3

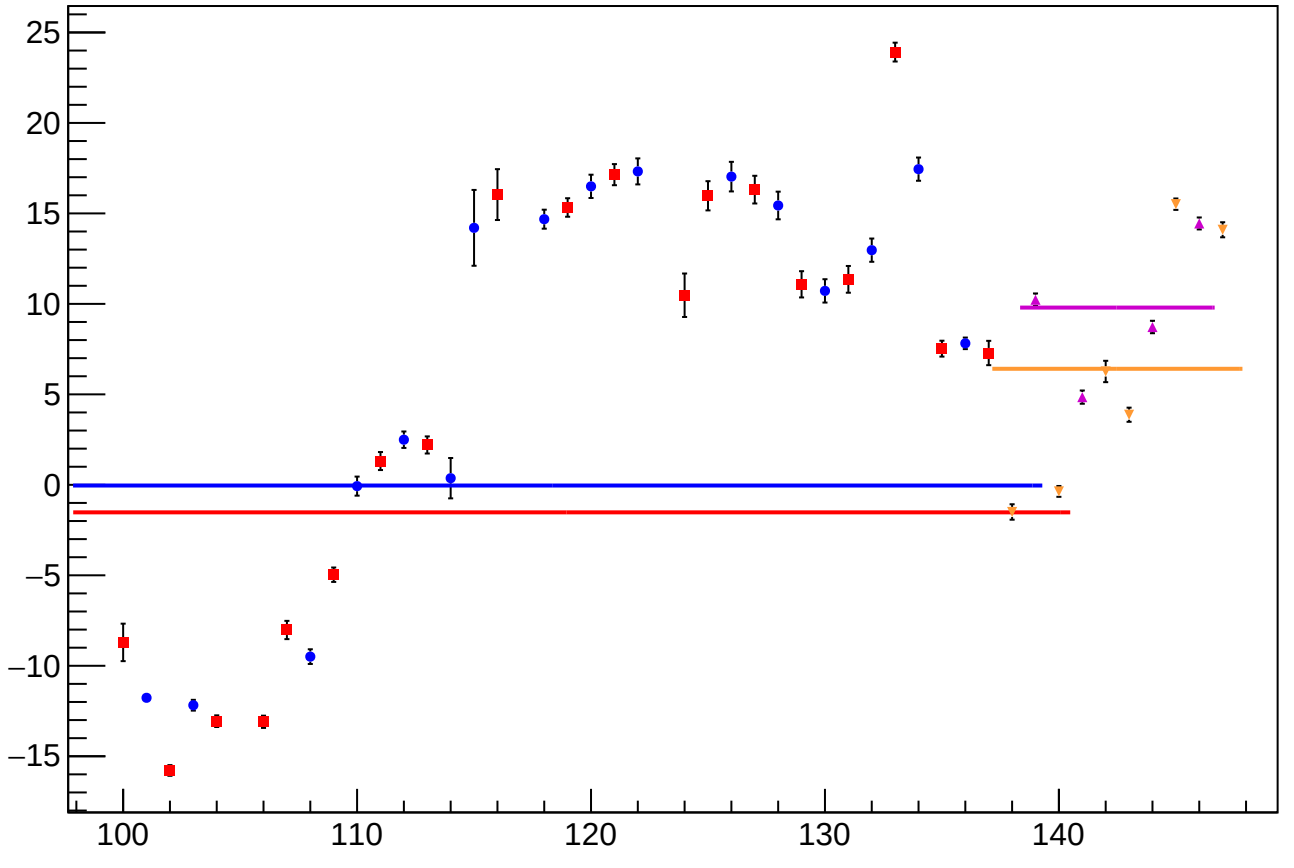
Left: 4.320+/-0.085 χ^2/NDF: 3961.0/9

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 2.337+/-0.087 χ^2/NDF:13104.5/19

Out: 2.915+/-0.079 χ^2/NDF:11288.0/24

All: 2.657+/-0.058 χ^2/NDF: 24416.6/44



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 6.413+/-0.155 χ^2/NDF:2070.1/5

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 9.795+/-0.173 χ^2/NDF:391.0/3

Left: 7.913+/-0.115 χ^2/NDF: 2673.5/9

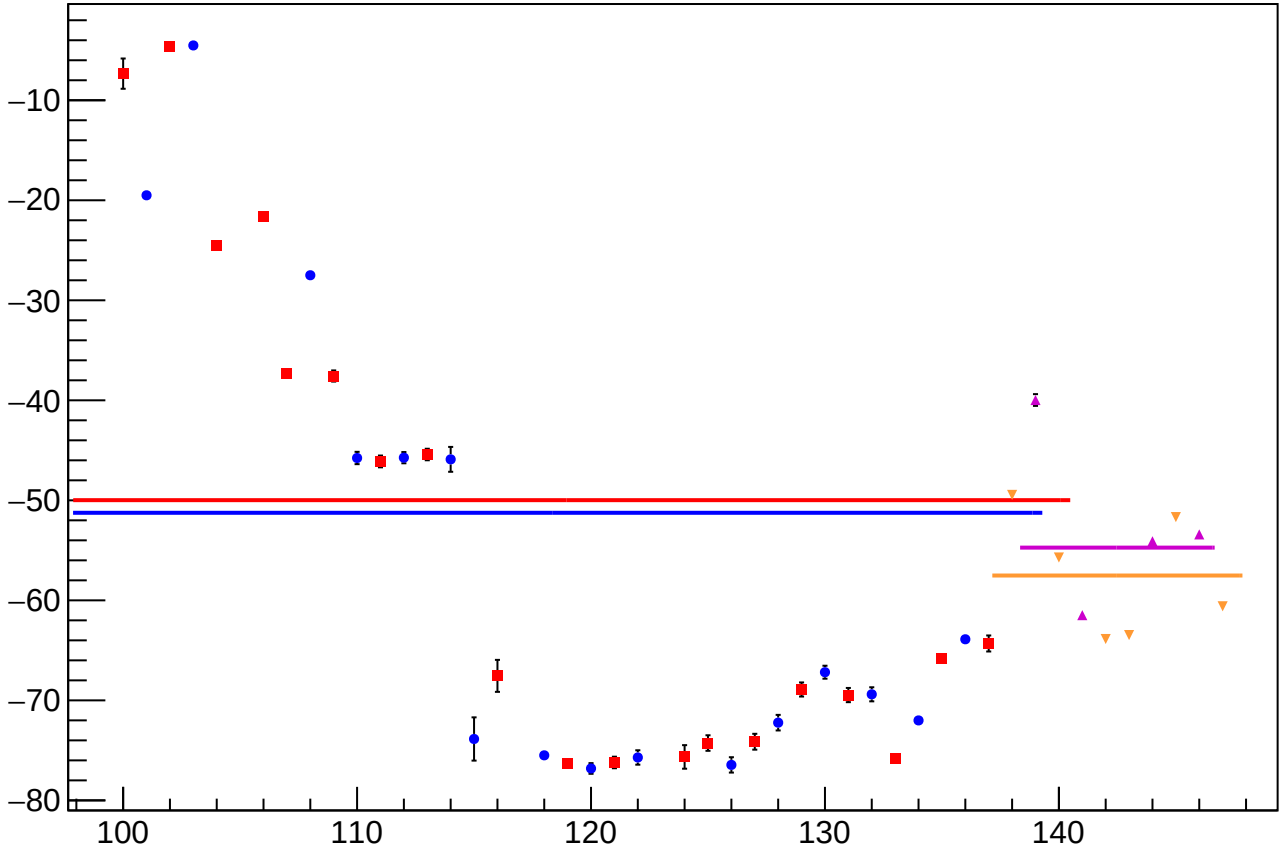
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 3.131+/-0.098 χ^2/NDF:11852.3/19

Out: 1.309+/-0.092 χ^2/NDF:15895.4/24

All: 2.163+/-0.067 χ^2/NDF: 27930.3/44

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.518+/-0.135 χ^2/NDF:1381.7/5

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -54.728+/-0.158 χ^2/NDF:1133.8/3

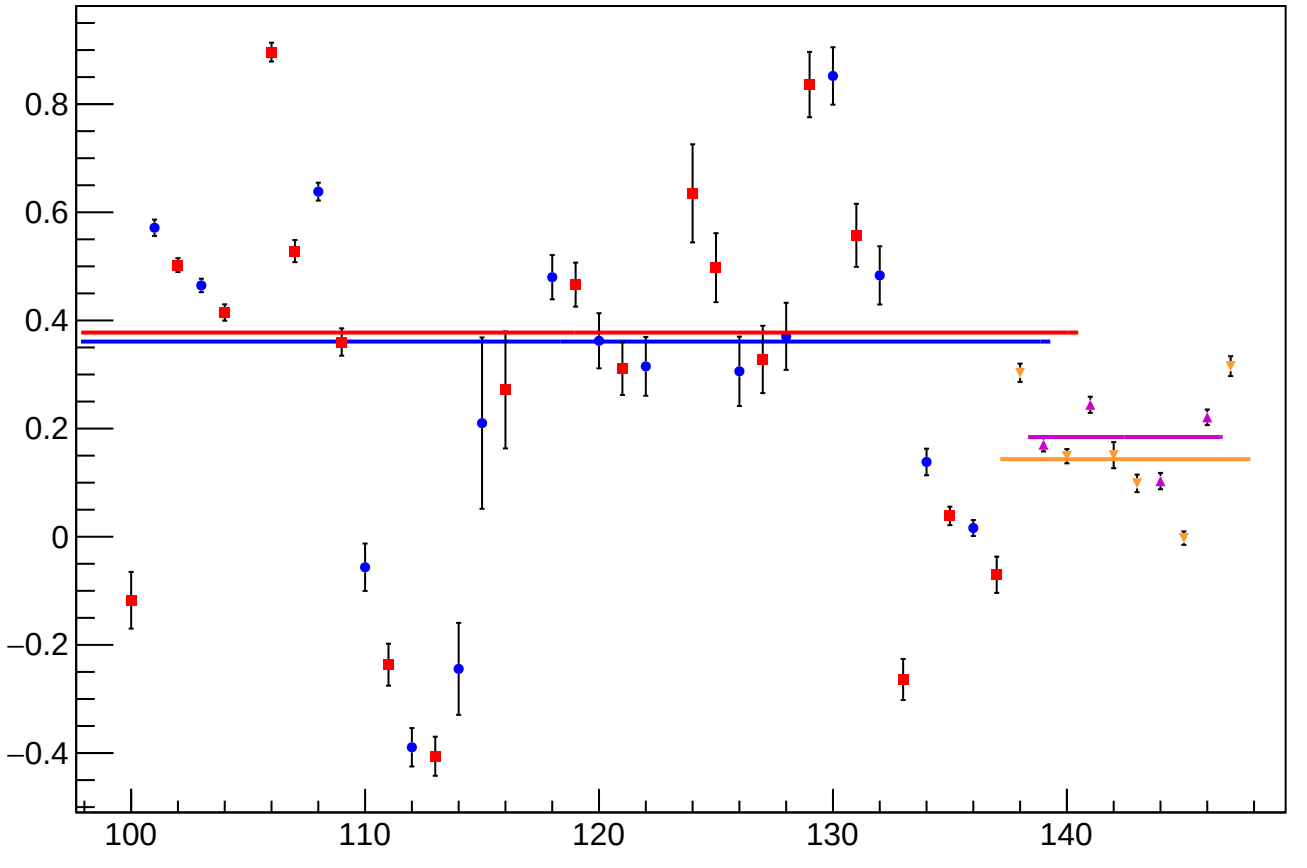
Left: -56.337+/-0.103 χ^2/NDF: 2695.1/9

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -52.725+/-0.103 χ^2/NDF:35178.4/19

Out: -53.618+/-0.094 χ^2/NDF:36877.9/24

All: -53.212+/-0.069 χ^2/NDF: 72097.4/44



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.143+/-0.006 χ^2/NDF:321.5/5

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.184+/-0.007 χ^2/NDF:52.6/3

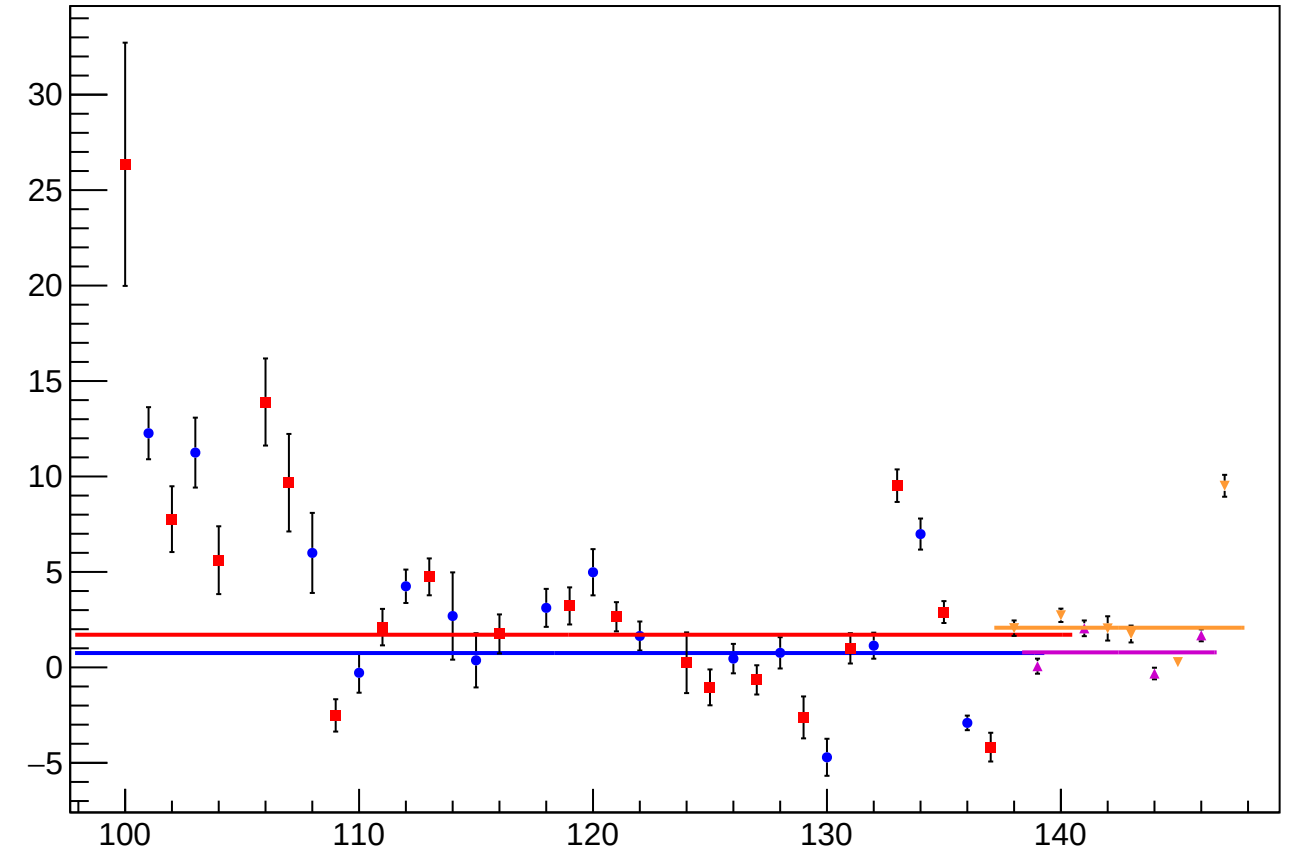
Left: 0.162+/-0.005 χ^2/NDF: 392.3/9

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.282+/-0.005 χ^2/NDF:2256.8/19

Out: 0.267+/-0.004 χ^2/NDF:3807.2/24

All: 0.274+/-0.003 χ^2/NDF: 6069.6/44



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.078+/-0.159 χ^2/NDF:218.9/5

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 0.786+/-0.173 χ^2/NDF:34.1/3

Left: 1.485+/-0.117 χ^2/NDF: 283.1/9

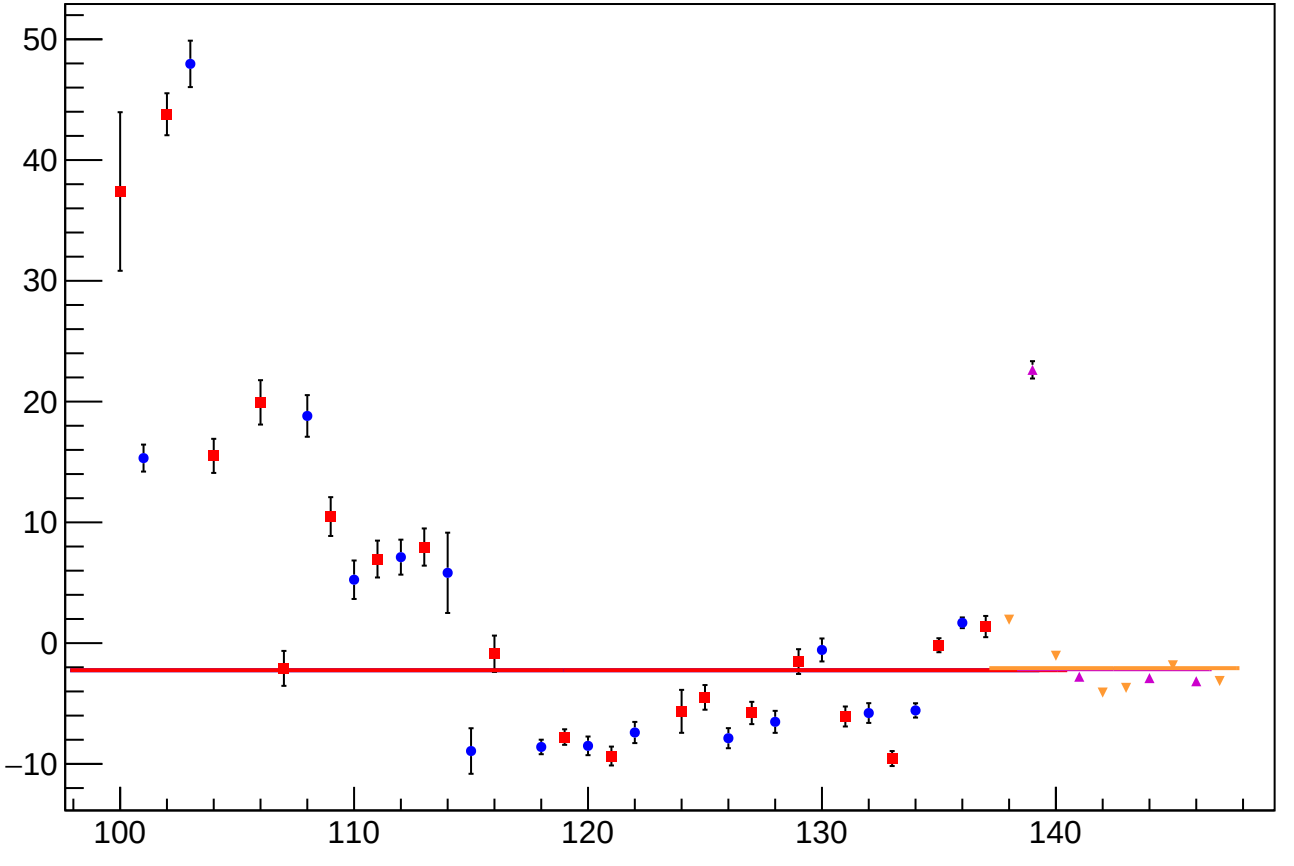
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.772+/-0.134 χ^2/NDF:364.2/19

Out: 1.953+/-0.130 χ^2/NDF:514.6/24

All: 1.383+/-0.093 χ^2/NDF: 918.8/44

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: -2.072+/-0.120 χ^2/NDF:182.3/5

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.160+/-0.129 χ^2/NDF:1233.5/3

Left: -2.113+/-0.088 χ^2/NDF: 1416.0/9

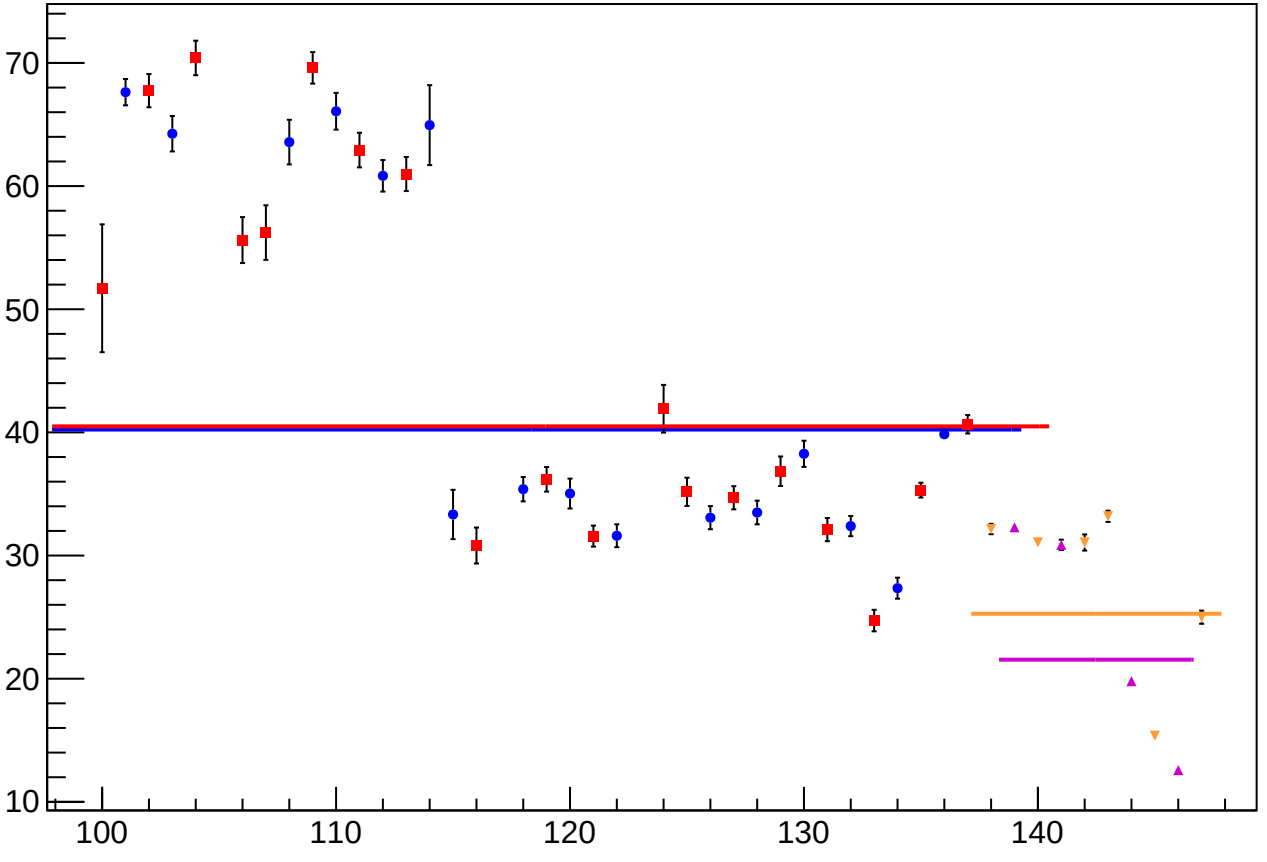
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.183+/-0.111 χ^2/NDF:2806.1/19

Out: -2.109+/-0.106 χ^2/NDF:1738.4/24

All: -2.144+/-0.077 χ^2/NDF: 4544.7/44

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: 25.274+/-0.163 χ^2/NDF:2235.4/5

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.546+/-0.175 χ^2/NDF:2086.8/3

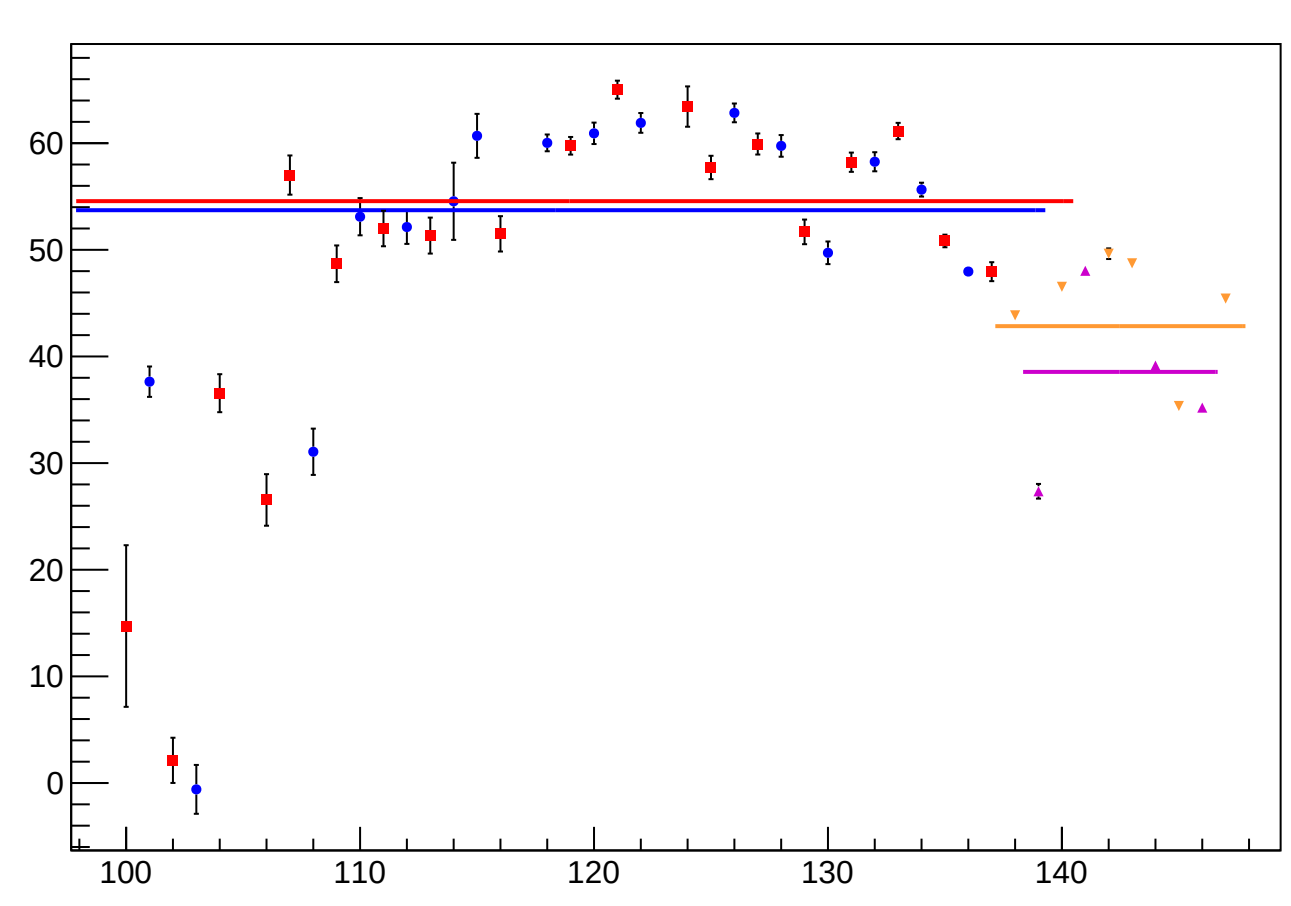
Left: 23.540+/-0.119 χ^2/NDF: 4564.7/9

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 28.344+/-0.140 χ^2/NDF:8525.0/19

Out: 29.810+/-0.137 χ^2/NDF:7524.5/24

All: 29.092+/-0.098 χ^2/NDF: 16105.8/44



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.842+/-0.144 χ^2/NDF:1518.1/5

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 38.553+/-0.154 χ^2/NDF:1171.5/3

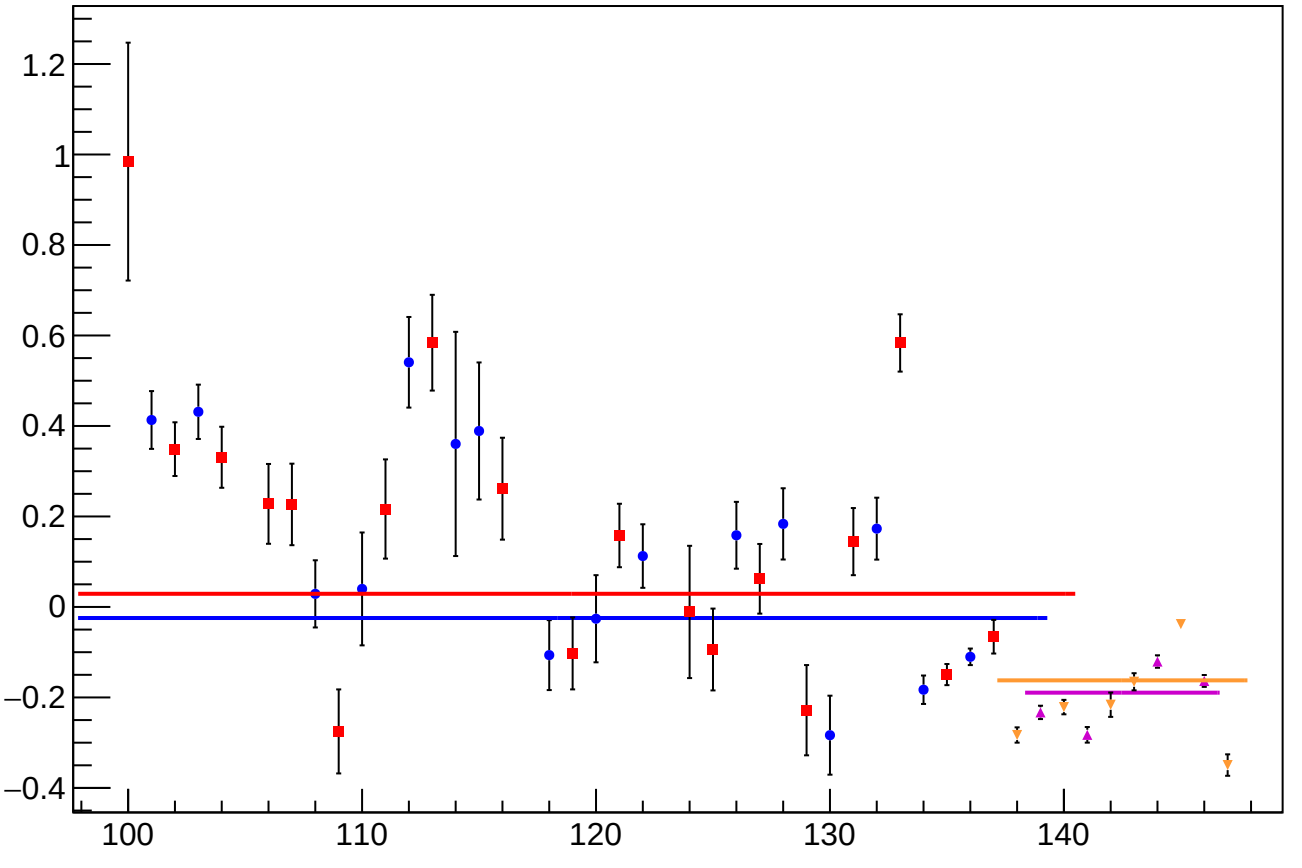
Left: 40.844+/-0.105 χ^2/NDF: 3101.8/9

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.018+/-0.130 χ^2/NDF:5373.5/19

Out: 45.663+/-0.126 χ^2/NDF:4451.5/24

All: 44.383+/-0.090 χ^2/NDF: 10039.4/44



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.162+/-0.007 χ^2/NDF:264.2/5

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.189+/-0.007 χ^2/NDF:66.7/3

Left: -0.175+/-0.005 χ^2/NDF: 338.5/9

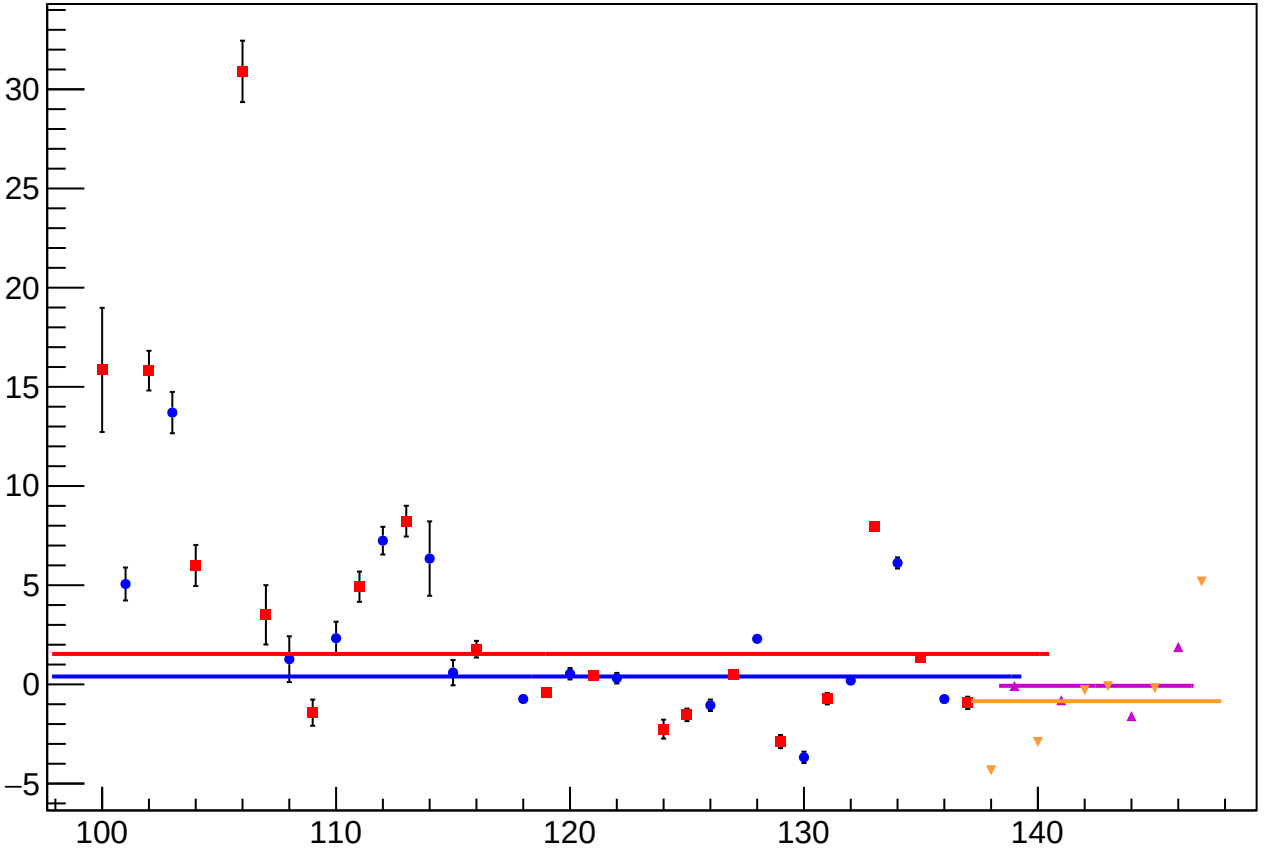
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.149+/-0.006 χ^2/NDF:422.2/19

Out: -0.127+/-0.006 χ^2/NDF:687.9/24

All: -0.138+/-0.004 χ^2/NDF: 1116.5/44

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.845+/-0.059 χ^2/NDF:1694.7/5

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.071+/-0.062 χ^2/NDF:521.0/3

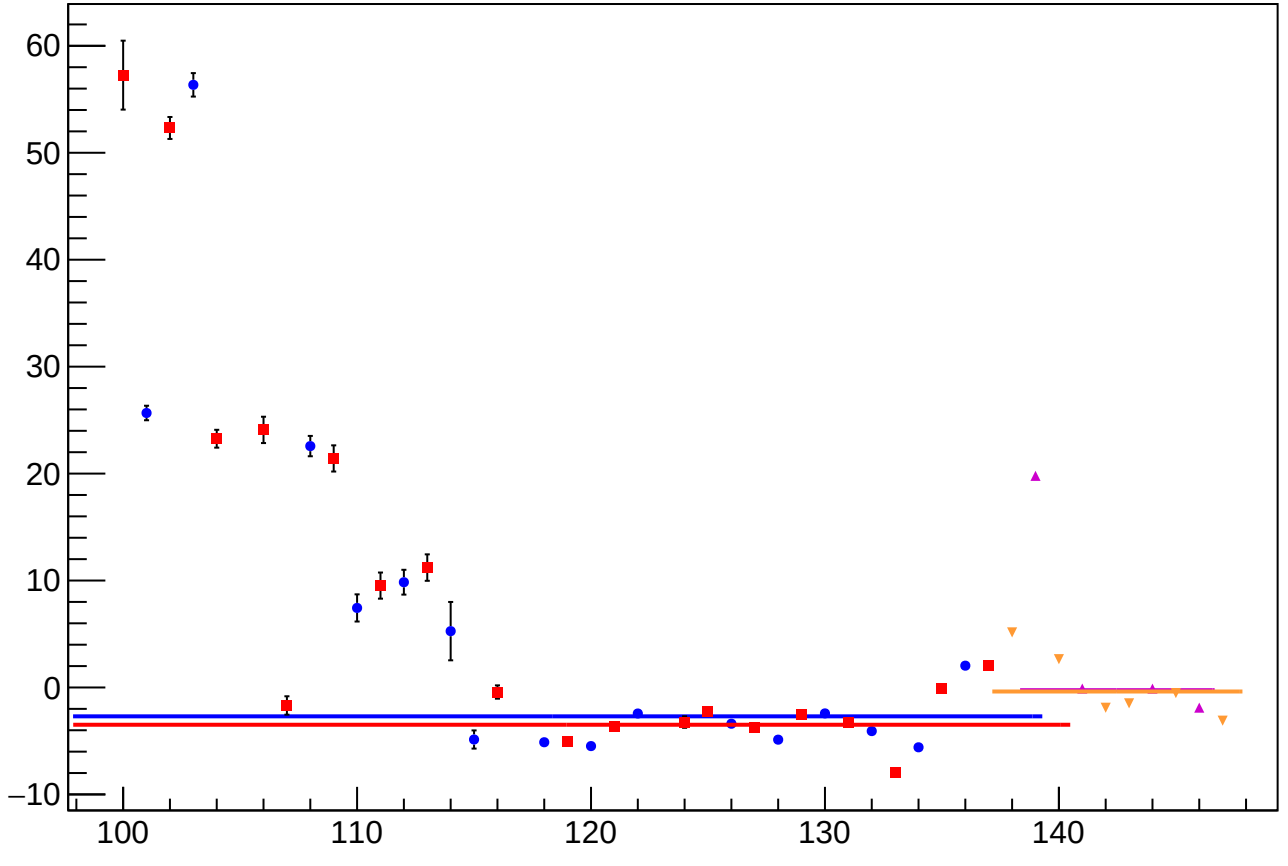
Left: -0.478+/-0.043 χ^2/NDF: 2297.7/9

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.113+/-0.048 χ^2/NDF:1641.0/19

Out: 0.016+/-0.047 χ^2/NDF:4697.7/24

All: 0.063+/-0.034 χ^2/NDF: 6340.7/44



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.376+/-0.044 χ^2/NDF:2978.3/5

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.250+/-0.047 χ^2/NDF:6775.0/3

Left: -0.317+/-0.032 χ^2/NDF: 9757.1/9

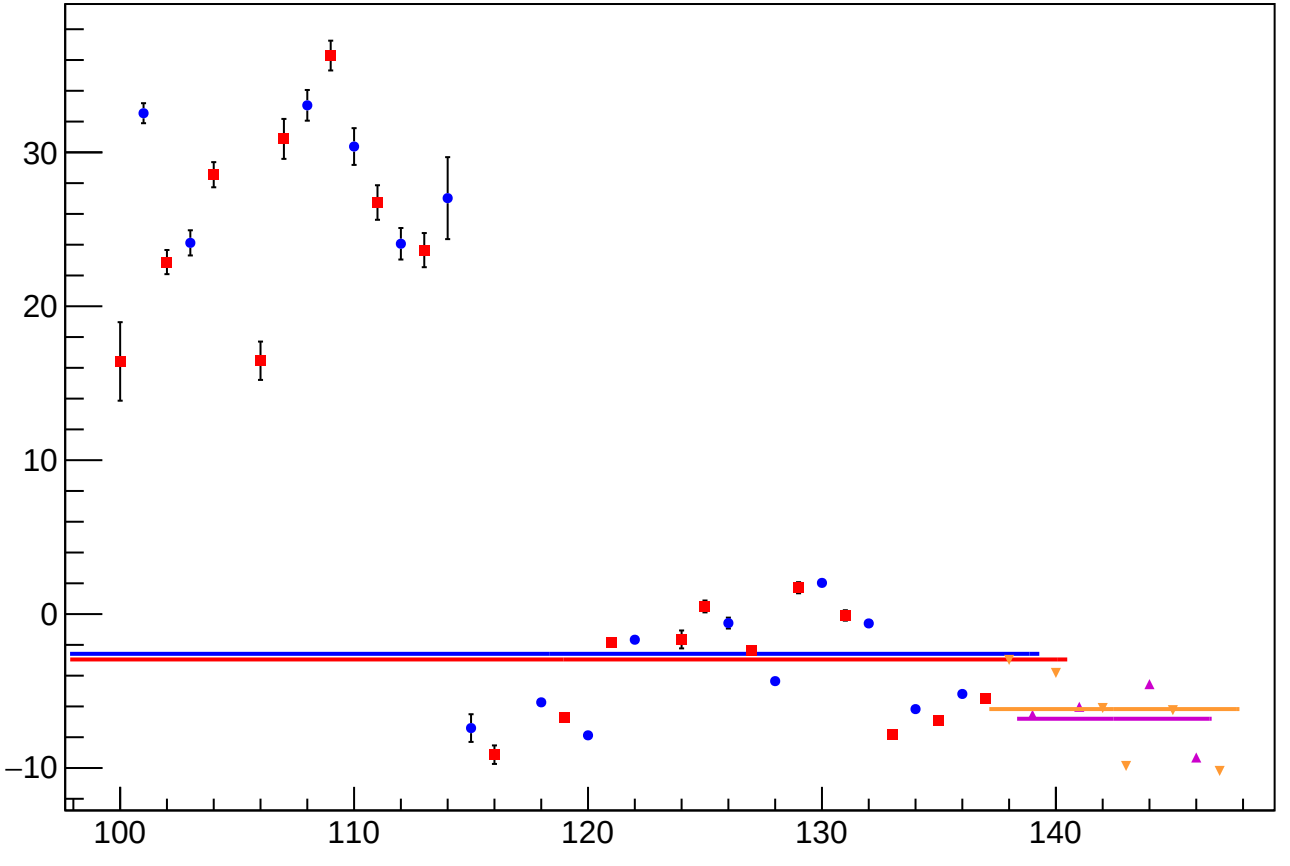
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.992+/-0.039 χ^2/NDF:14714.2/19

Out: -1.243+/-0.037 χ^2/NDF:11526.8/24

All: -1.123+/-0.027 χ^2/NDF: 26262.7/44

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: -6.171+/-0.060 χ^2/NDF:1617.5/5

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.801+/-0.063 χ^2/NDF:961.7/3

Left: -6.473+/-0.043 χ^2/NDF: 2631.9/9

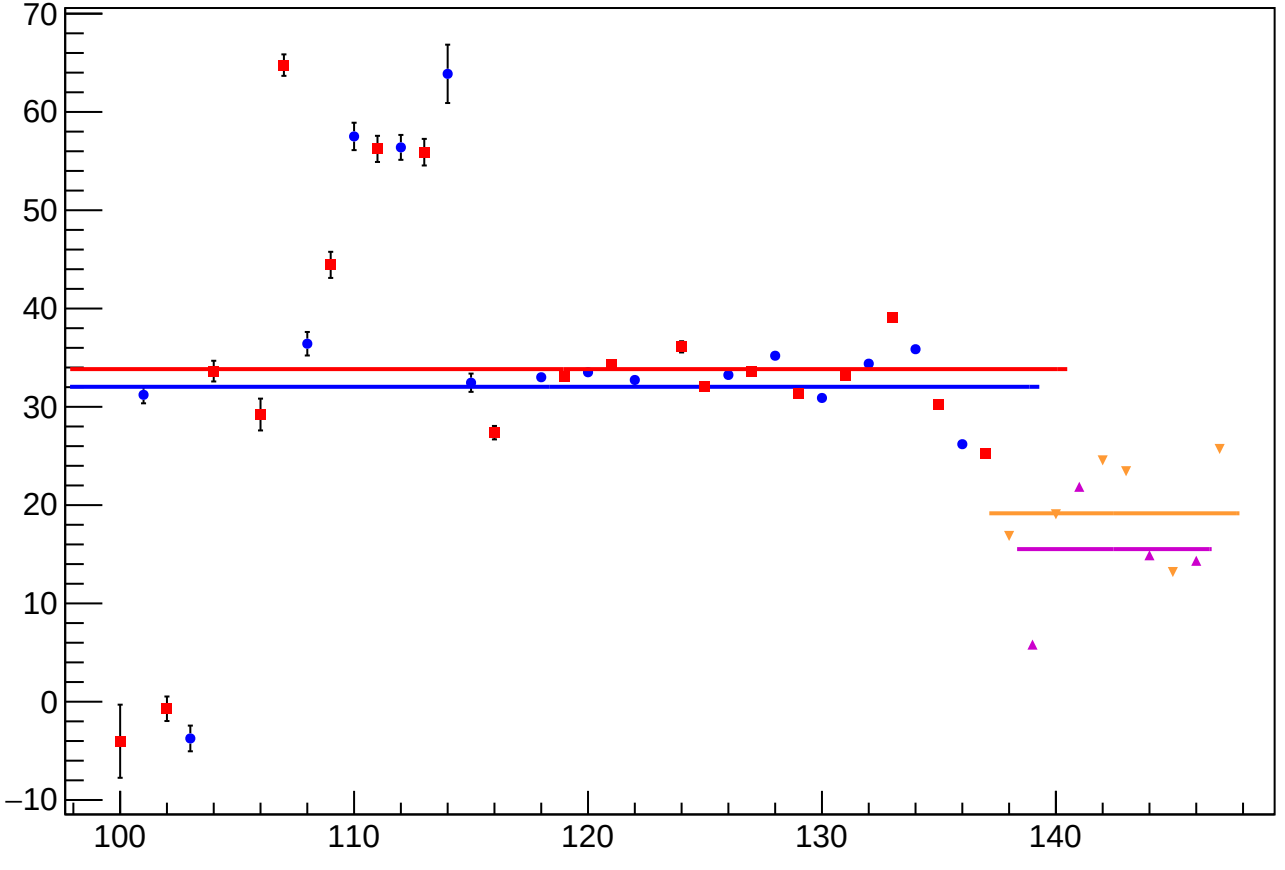
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.275+/-0.050 χ^2/NDF:10767.3/19

Out: -5.096+/-0.049 χ^2/NDF:10773.6/24

All: -5.184+/-0.035 χ^2/NDF: 21547.4/44

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: 19.167+/-0.053 χ^2/NDF:8852.2/5

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 15.525+/-0.056 χ^2/NDF:4313.4/3

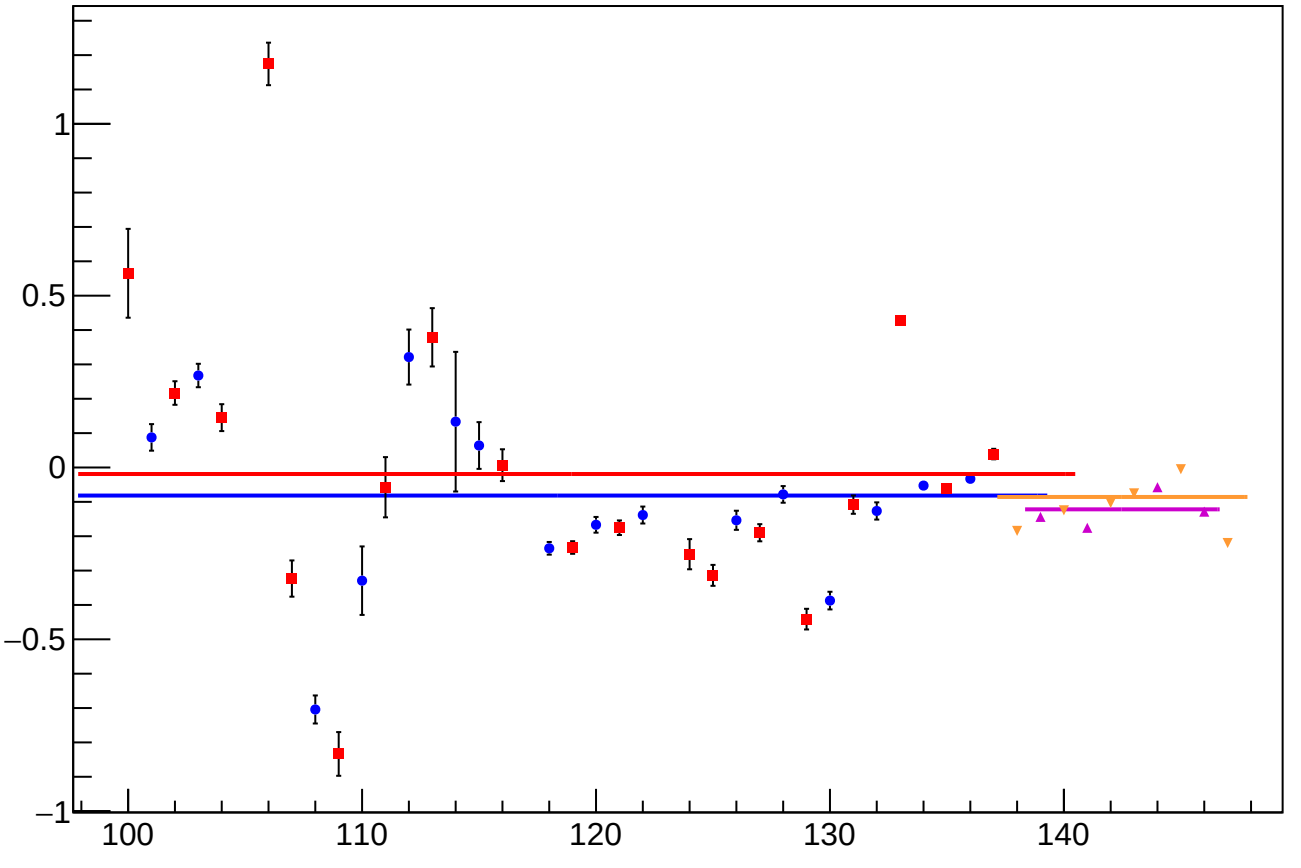
Left: 17.427+/-0.038 χ^2/NDF: 15413.1/9

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 20.778+/-0.046 χ^2/NDF:35708.0/19

Out: 23.530+/-0.045 χ^2/NDF:35788.9/24

All: 22.195+/-0.032 χ^2/NDF: 73350.9/44



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.086+/-0.002 χ^2/NDF:933.4/5

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.122+/-0.003 χ^2/NDF:260.5/3

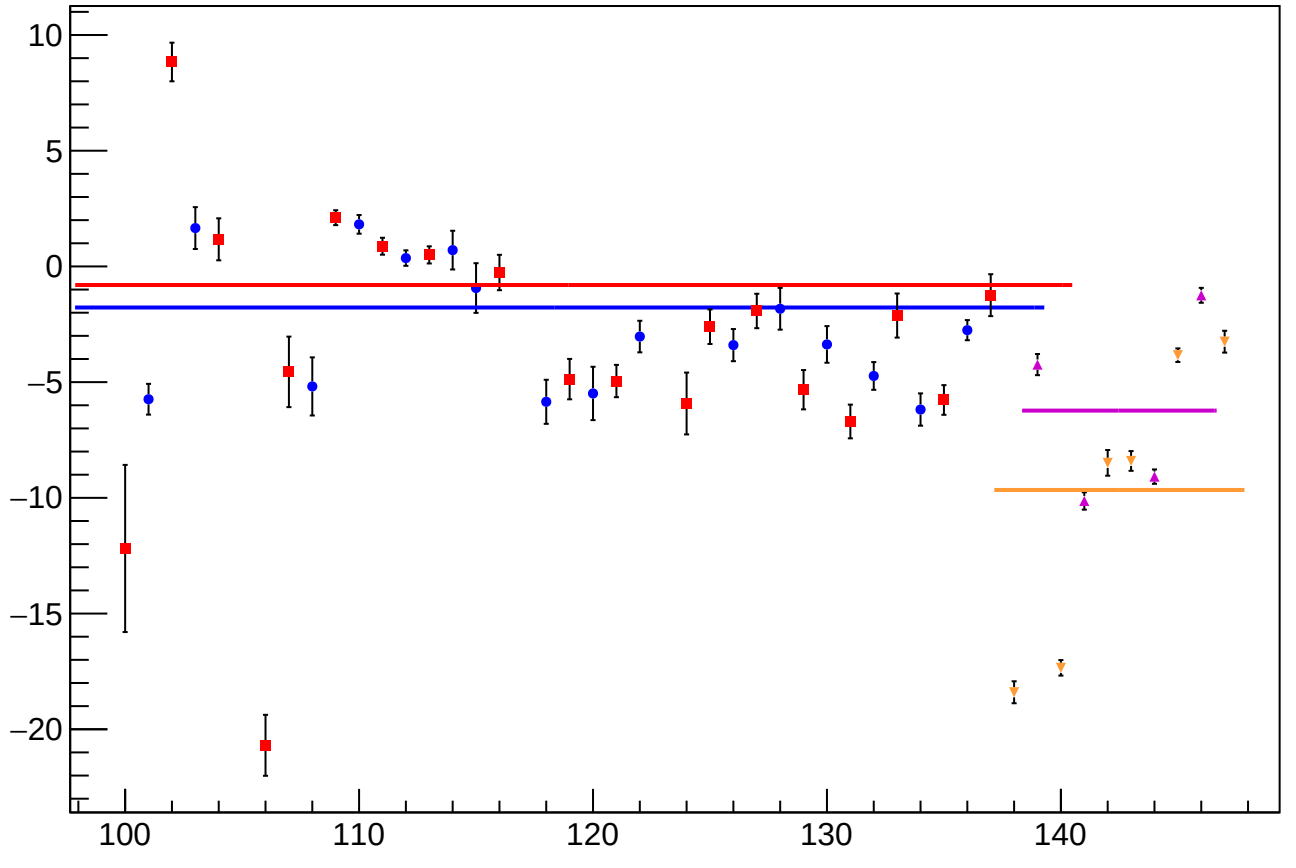
Left: -0.103+/-0.002 χ^2/NDF: 1294.2/9

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.113+/-0.002 χ^2/NDF:1003.2/19

Out: -0.073+/-0.002 χ^2/NDF:3341.4/24

All: -0.093+/-0.002 χ^2/NDF: 4496.2/44



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.659+/-0.162 χ^2/NDF:1455.9/5

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -6.230+/-0.177 χ^2/NDF:450.4/3

Left: -8.098+/-0.119 χ^2/NDF: 2110.6/9

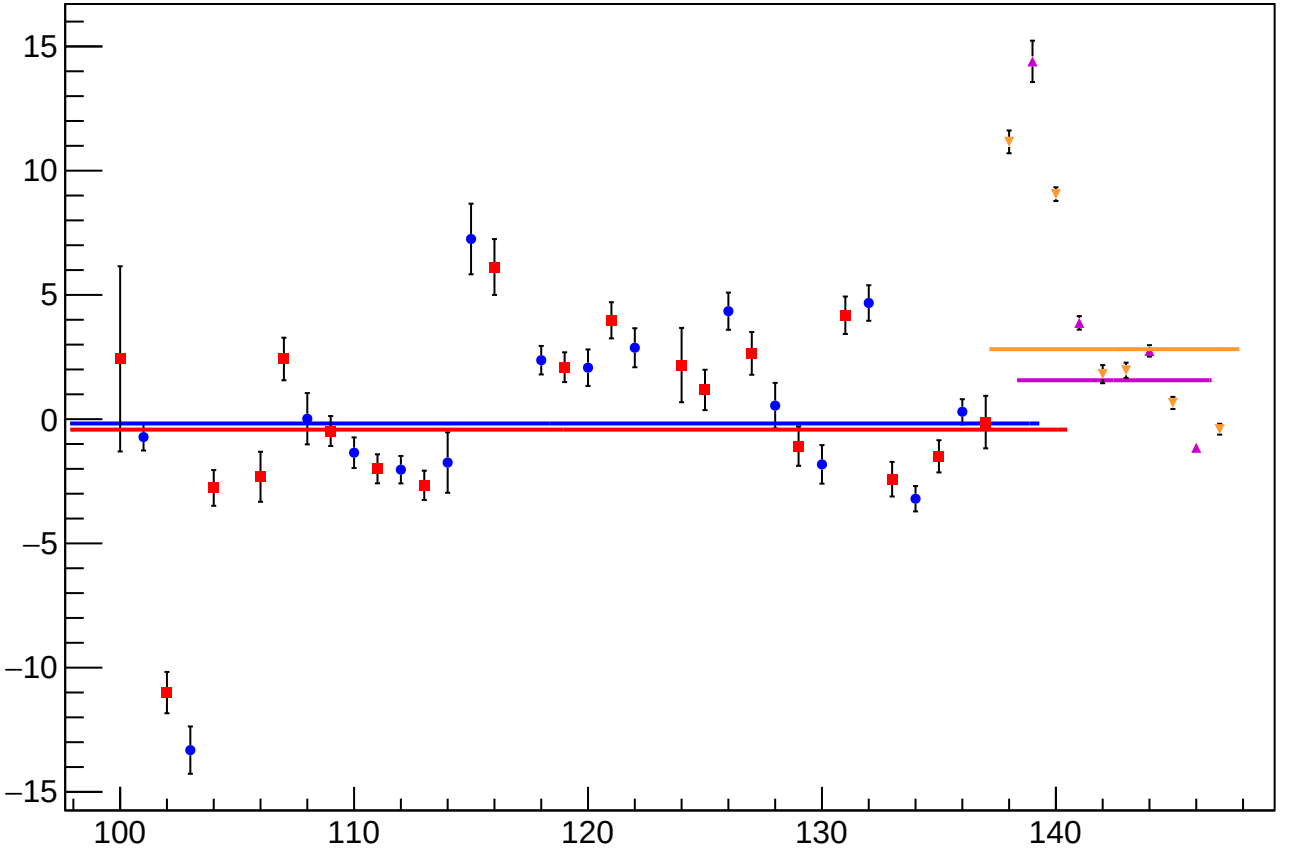
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -3.738+/-0.118 χ^2/NDF:1102.3/19

Out: -4.846+/-0.109 χ^2/NDF:3817.0/24

All: -4.332+/-0.080 χ^2/NDF: 4966.9/44

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.817+/-0.116 χ^2/NDF:1152.0/5

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.566+/-0.129 χ^2/NDF:531.1/3

Left: 2.254+/-0.086 χ^2/NDF: 1735.2/9

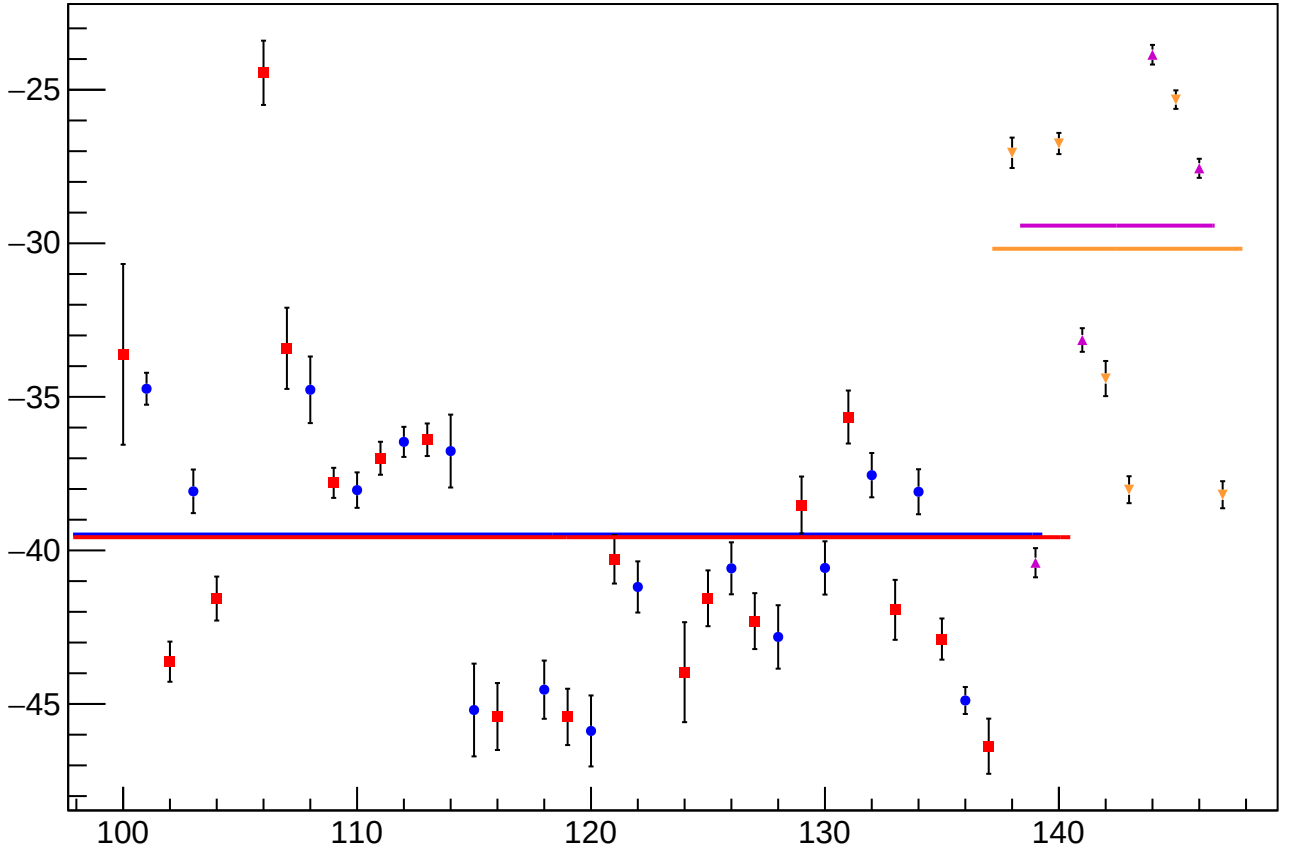
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.946+/-0.103 χ^2/NDF:999.3/19

Out: 1.842+/-0.097 χ^2/NDF:1751.7/24

All: 1.421+/-0.071 χ^2/NDF: 2790.9/44

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -30.178+/-0.165 χ^2/NDF:1103.7/5

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -29.424+/-0.179 χ^2/NDF:965.7/3

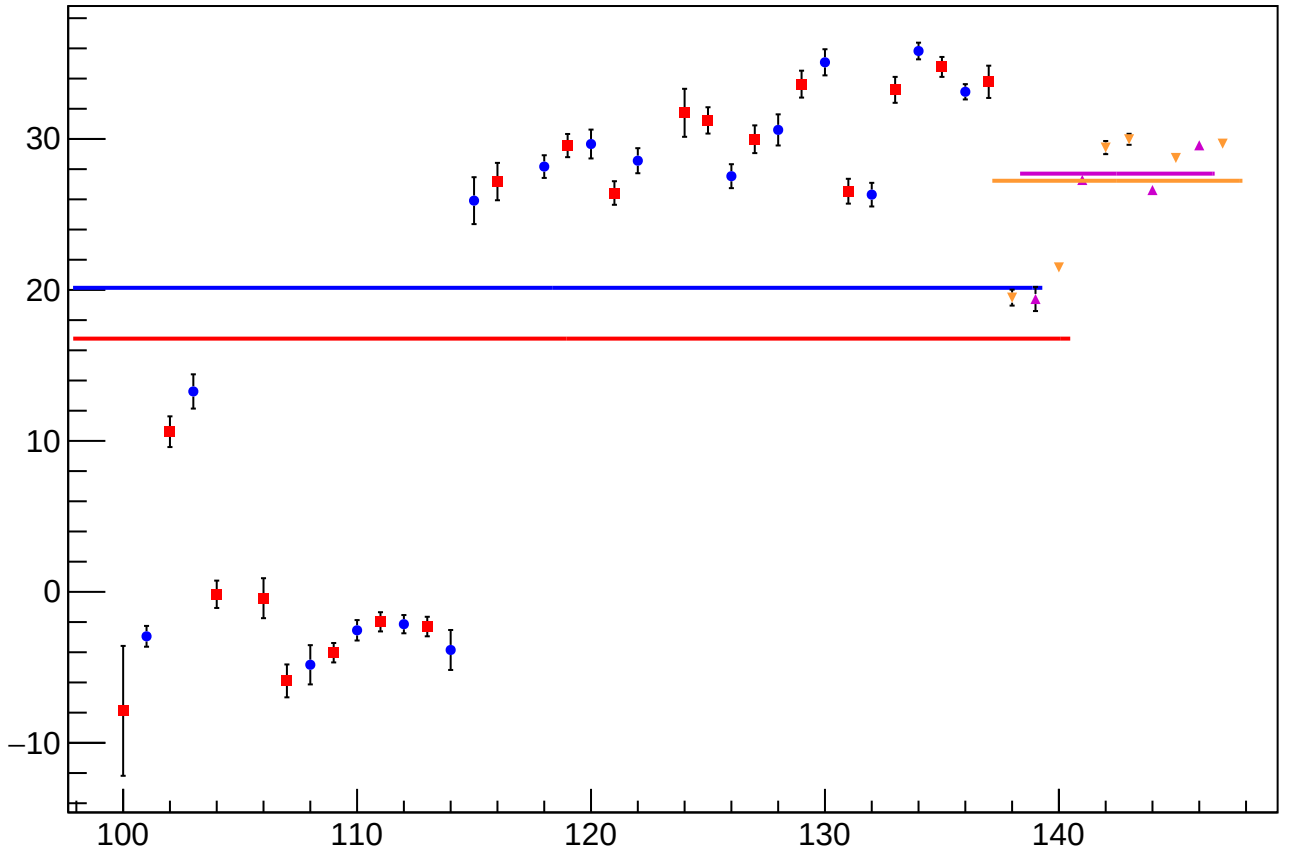
Left: -29.832+/-0.121 χ^2/NDF: 2079.1/9

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.411+/-0.127 χ^2/NDF:2946.1/19

Out: -34.430+/-0.122 χ^2/NDF:3130.9/24

All: -34.421+/-0.088 χ^2/NDF: 6077.1/44



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.231+/-0.142 χ^2/NDF:691.9/5

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.703+/-0.154 χ^2/NDF:185.9/3

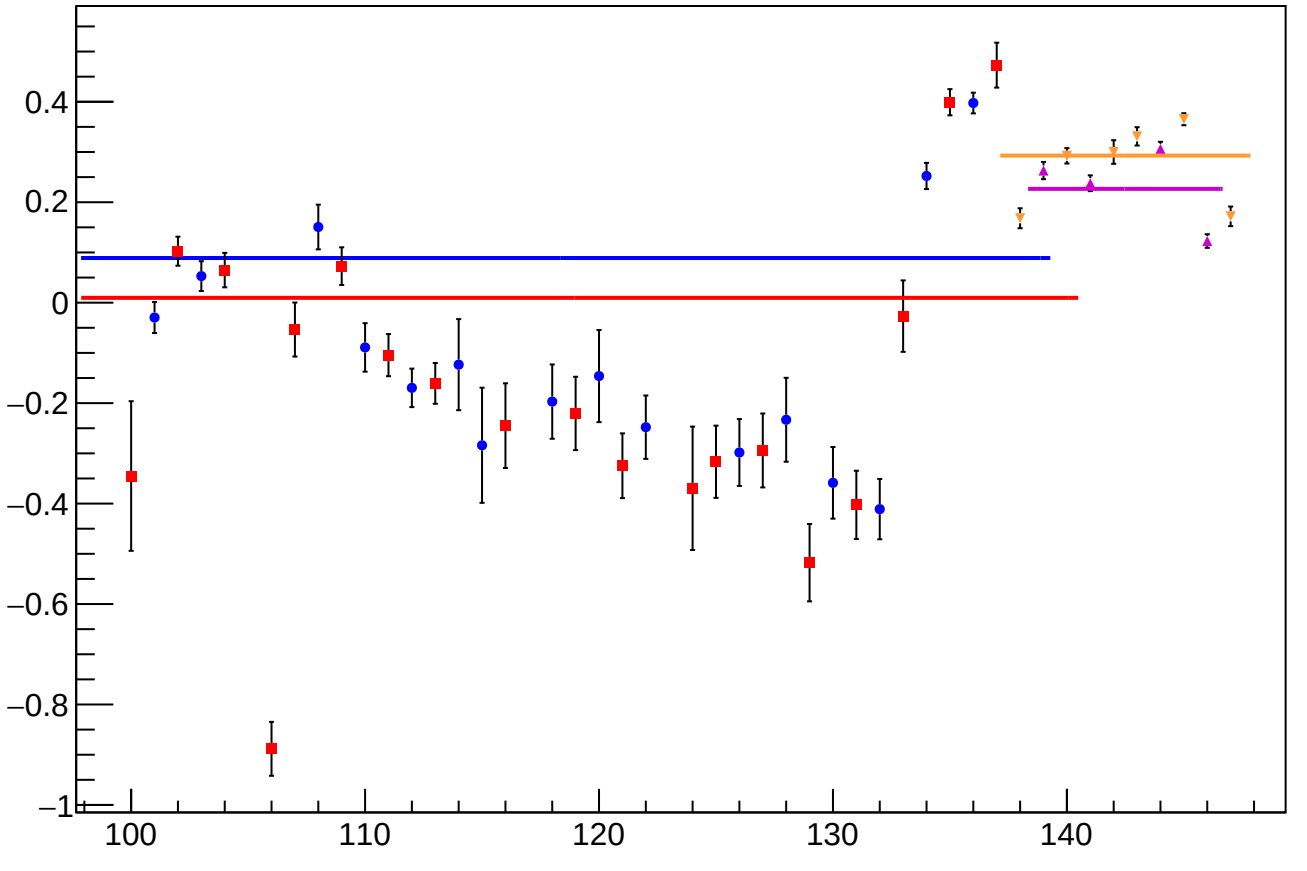
Left: 27.448+/-0.104 χ^2/NDF: 882.9/9

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 24.785+/-0.121 χ^2/NDF:7797.1/19

Out: 23.722+/-0.116 χ^2/NDF:9252.4/24

All: 24.230+/-0.084 χ^2/NDF: 17089.7/44



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.293+/-0.007 χ^2/NDF:119.1/5

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.227+/-0.007 χ^2/NDF:95.7/3

Left: 0.263+/-0.005 χ^2/NDF: 257.5/9

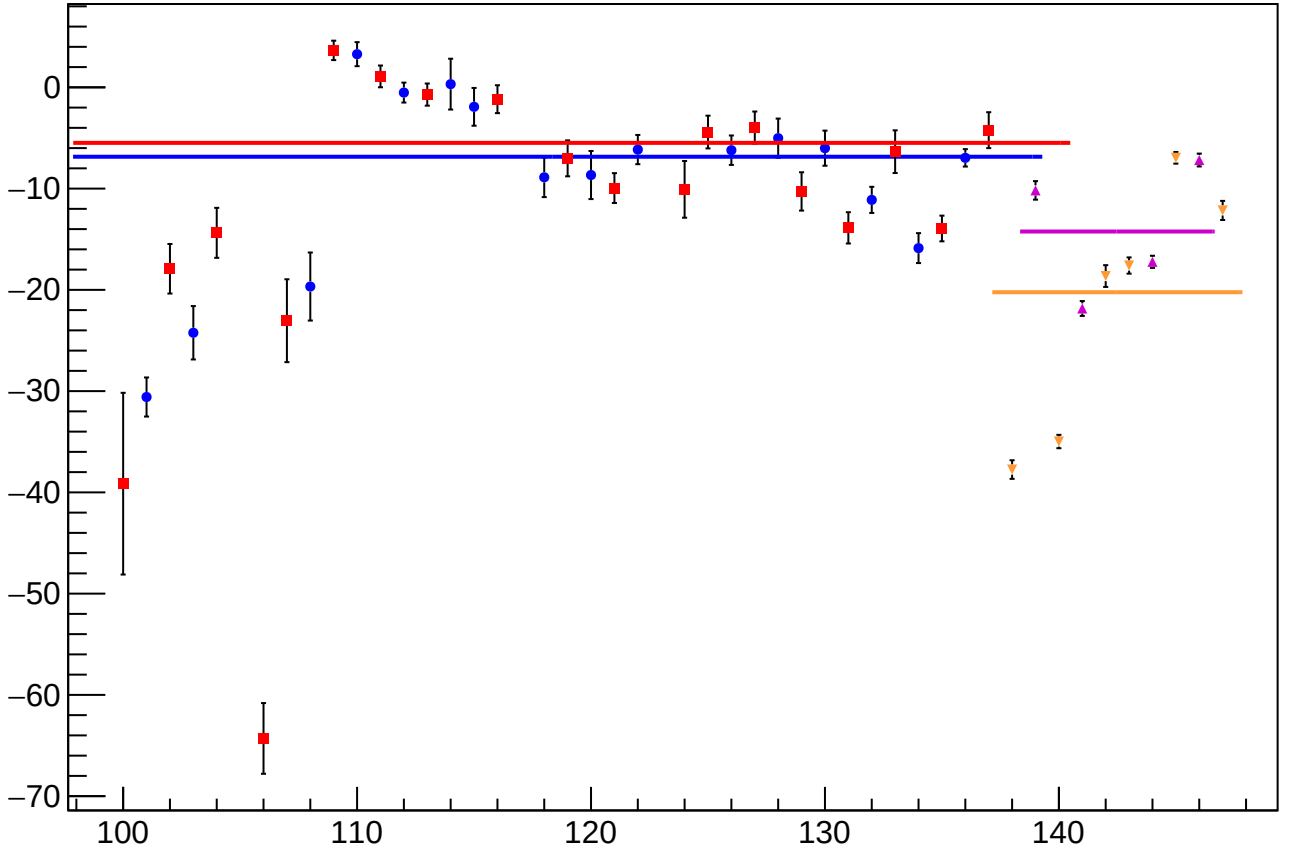
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.180+/-0.006 χ^2/NDF:775.1/19

Out: 0.214+/-0.006 χ^2/NDF:1430.1/24

All: 0.197+/-0.004 χ^2/NDF: 2221.4/44

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -20.232+/-0.316 χ^2/NDF:1478.1/5

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.239+/-0.347 χ^2/NDF:275.2/3

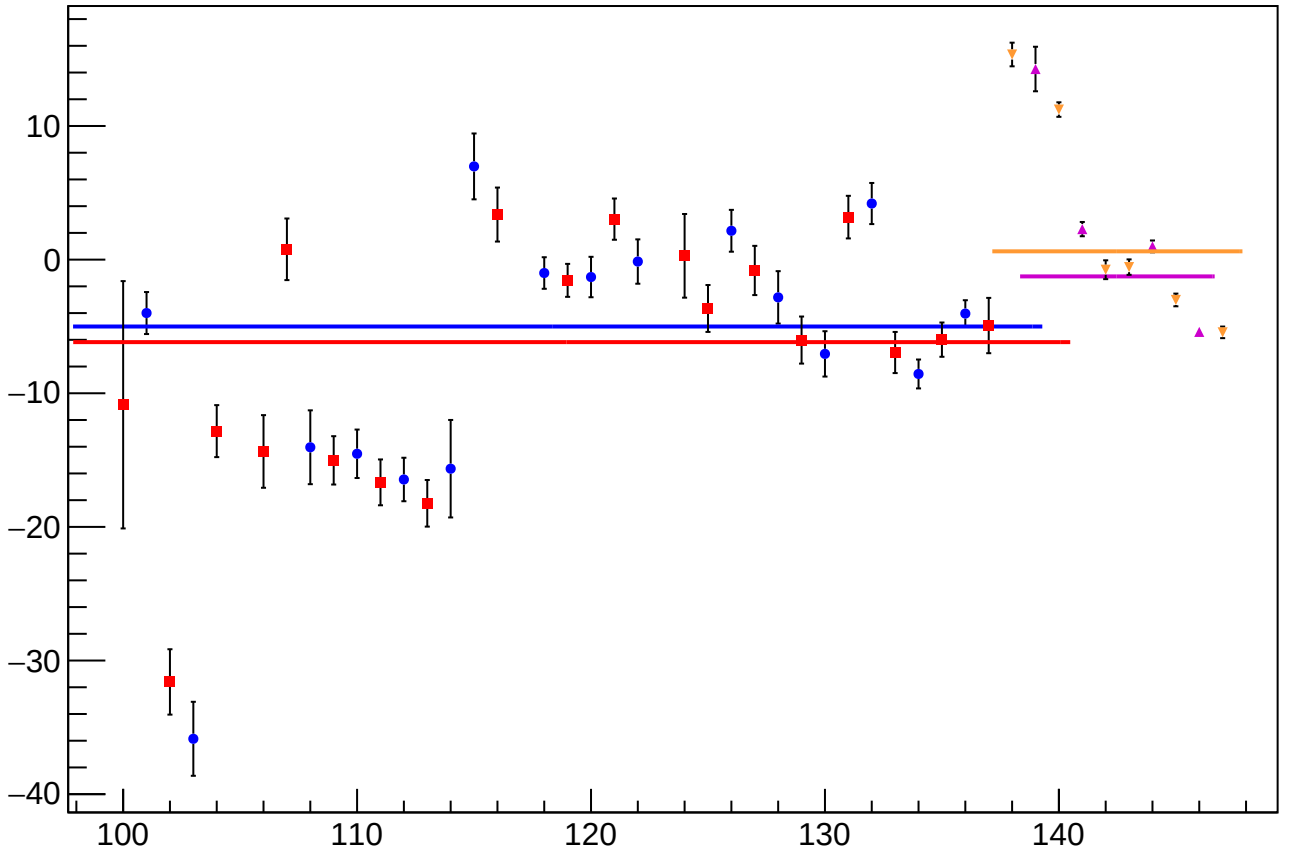
Left: -17.519+/-0.234 χ^2/NDF: 1916.5/9

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -10.836+/-0.255 χ^2/NDF:873.8/19

Out: -13.997+/-0.240 χ^2/NDF:3007.0/24

All: -12.513+/-0.175 χ^2/NDF: 3962.4/44



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 0.621+/-0.227 χ^2/NDF:918.7/5

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -1.255+/-0.250 χ^2/NDF:278.6/3

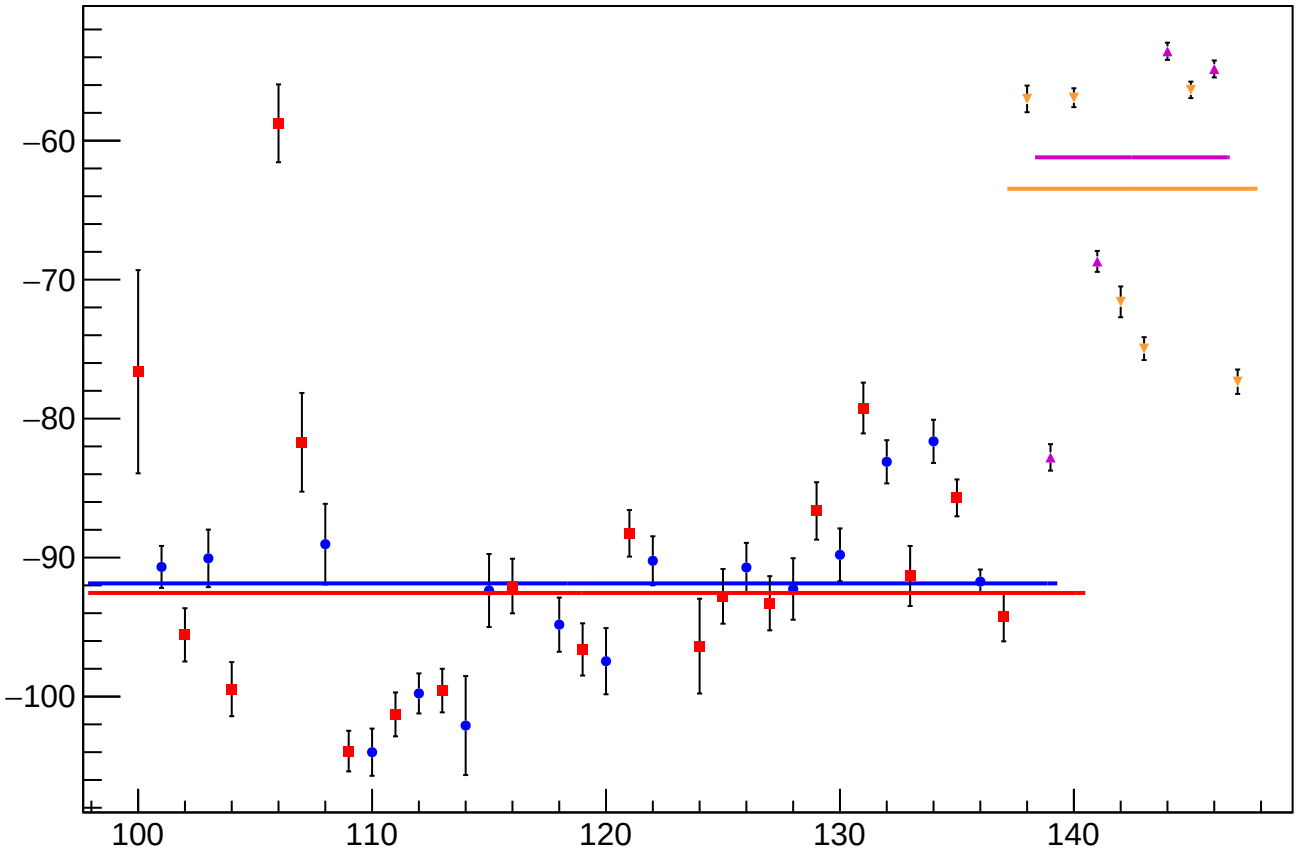
Left: -0.229+/-0.168 χ^2/NDF: 1228.3/9

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.324+/-0.211 χ^2/NDF:684.6/19

Out: -0.935+/-0.199 χ^2/NDF:1493.0/24

All: -1.590+/-0.145 χ^2/NDF: 2200.5/44



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -63.460+/-0.321 χ^2/NDF:780.1/5

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -61.200+/-0.350 χ^2/NDF:872.1/3

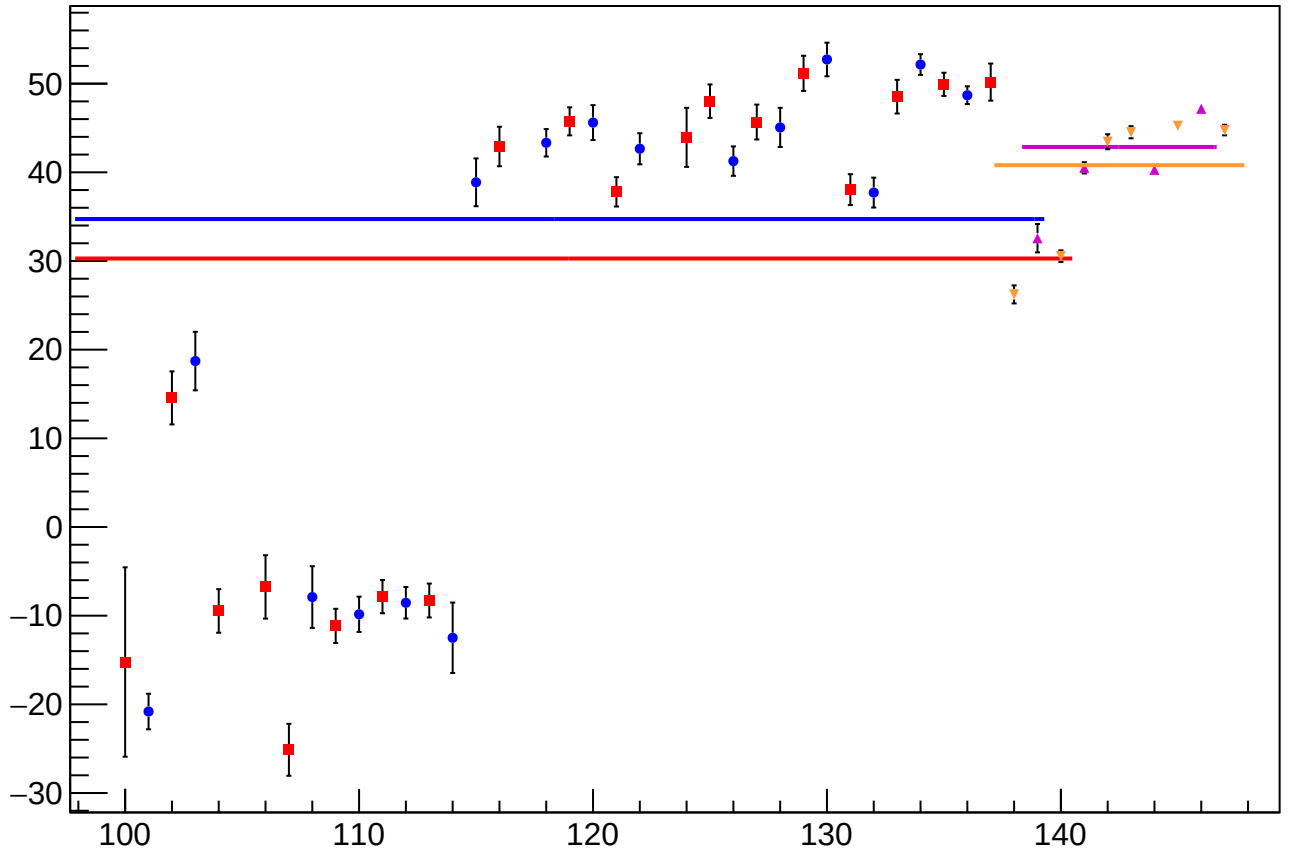
Left: -62.427+/-0.237 χ^2/NDF: 1674.8/9

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.636+/-0.270 χ^2/NDF:4155.9/19

Out: -73.605+/-0.259 χ^2/NDF:4022.7/24

All: -73.619+/-0.187 χ^2/NDF: 8178.6/44



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 40.803+/-0.277 χ^2/NDF:599.7/5

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 42.861+/-0.301 χ^2/NDF:163.3/3

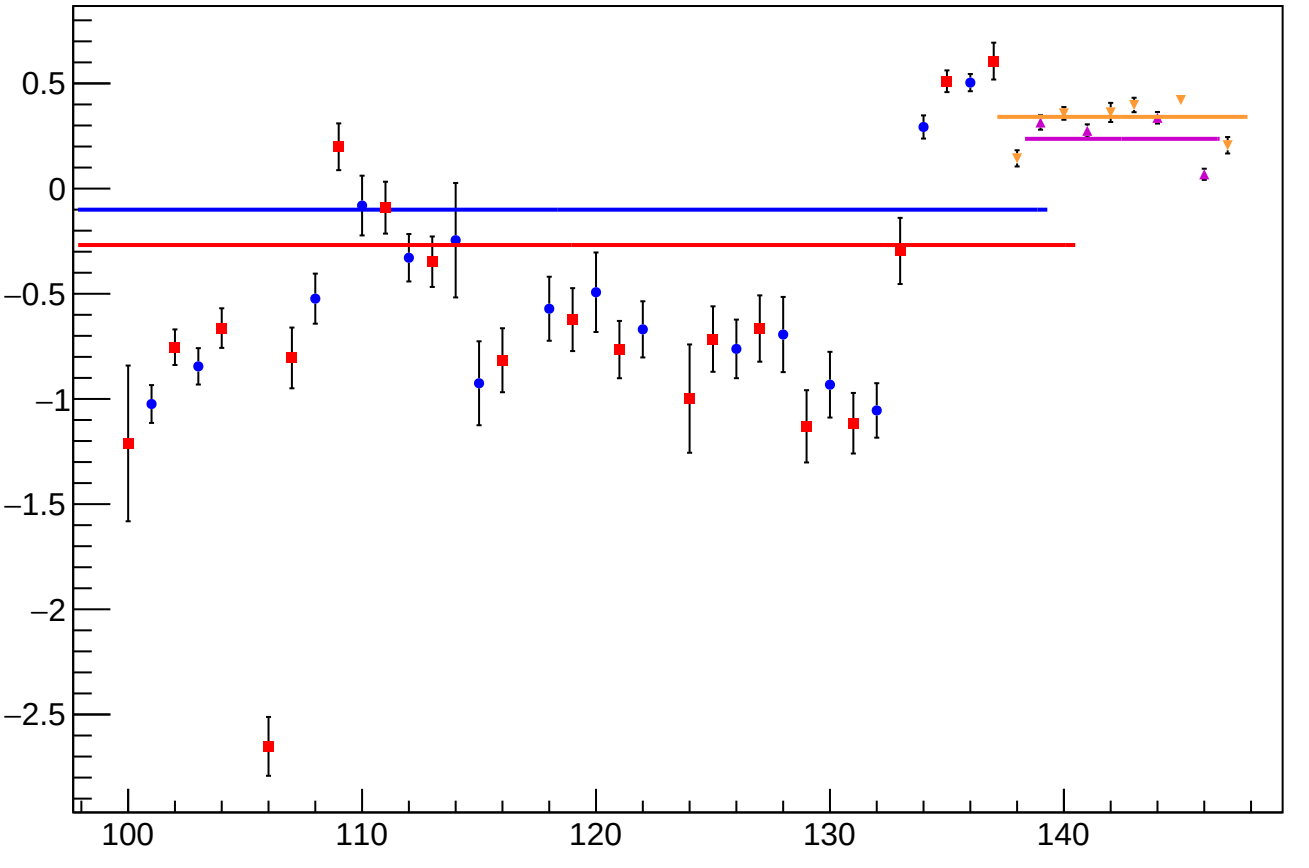
Left: 41.748+/-0.204 χ^2/NDF: 788.3/9

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.289+/-0.249 χ^2/NDF:3203.9/19

Out: 38.066+/-0.238 χ^2/NDF:3886.5/24

All: 39.130+/-0.172 χ^2/NDF: 7132.0/44



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.341+/-0.013 χ^2/NDF:52.9/5

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.237+/-0.015 χ^2/NDF:60.4/3

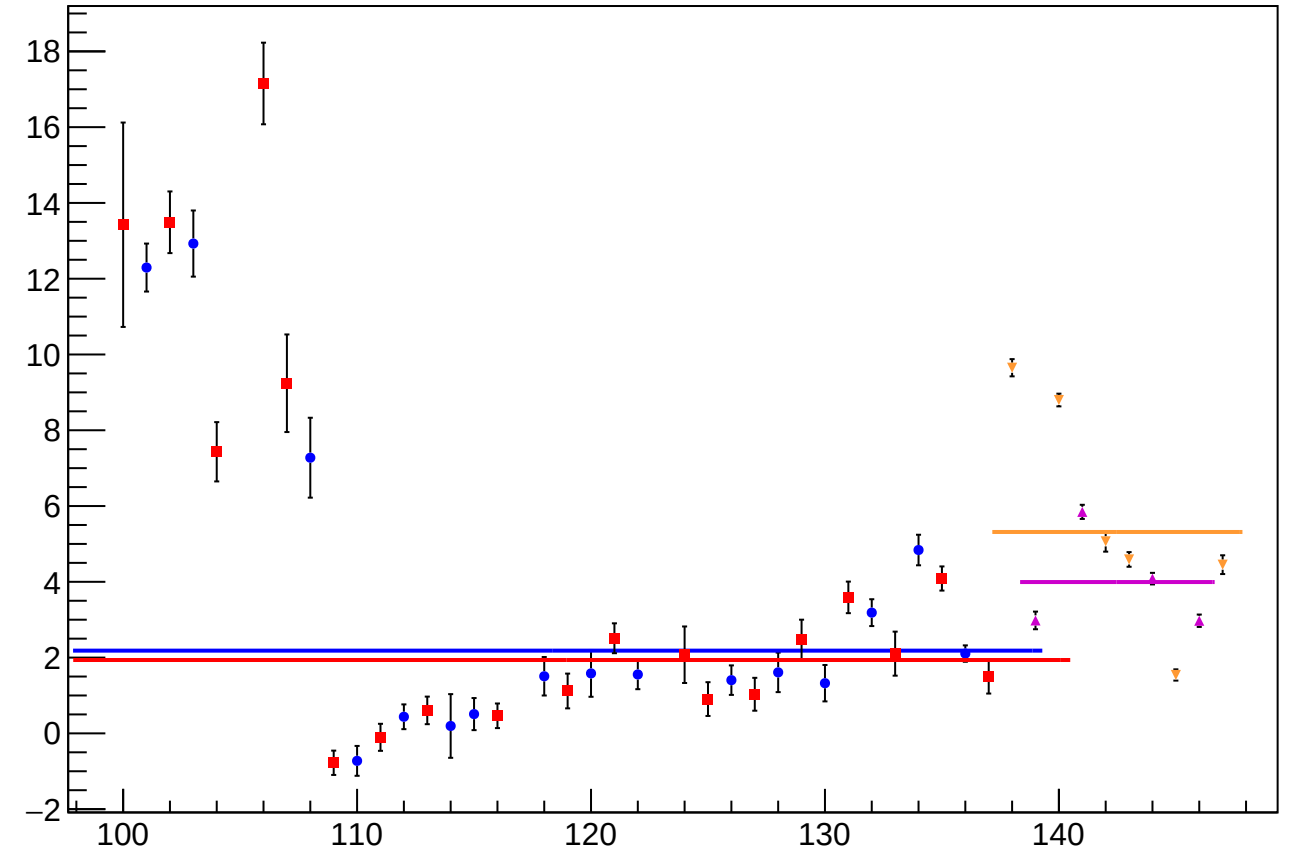
Left: 0.293+/-0.010 χ^2/NDF: 140.9/9

Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.145+/-0.013 χ^2/NDF:835.0/19

Out: 0.216+/-0.012 χ^2/NDF:1300.3/24

All: 0.182+/-0.009 χ^2/NDF: 2151.9/44



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.315+/-0.080 χ^2/NDF:1465.8/5

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 3.994+/-0.089 χ^2/NDF:156.8/3

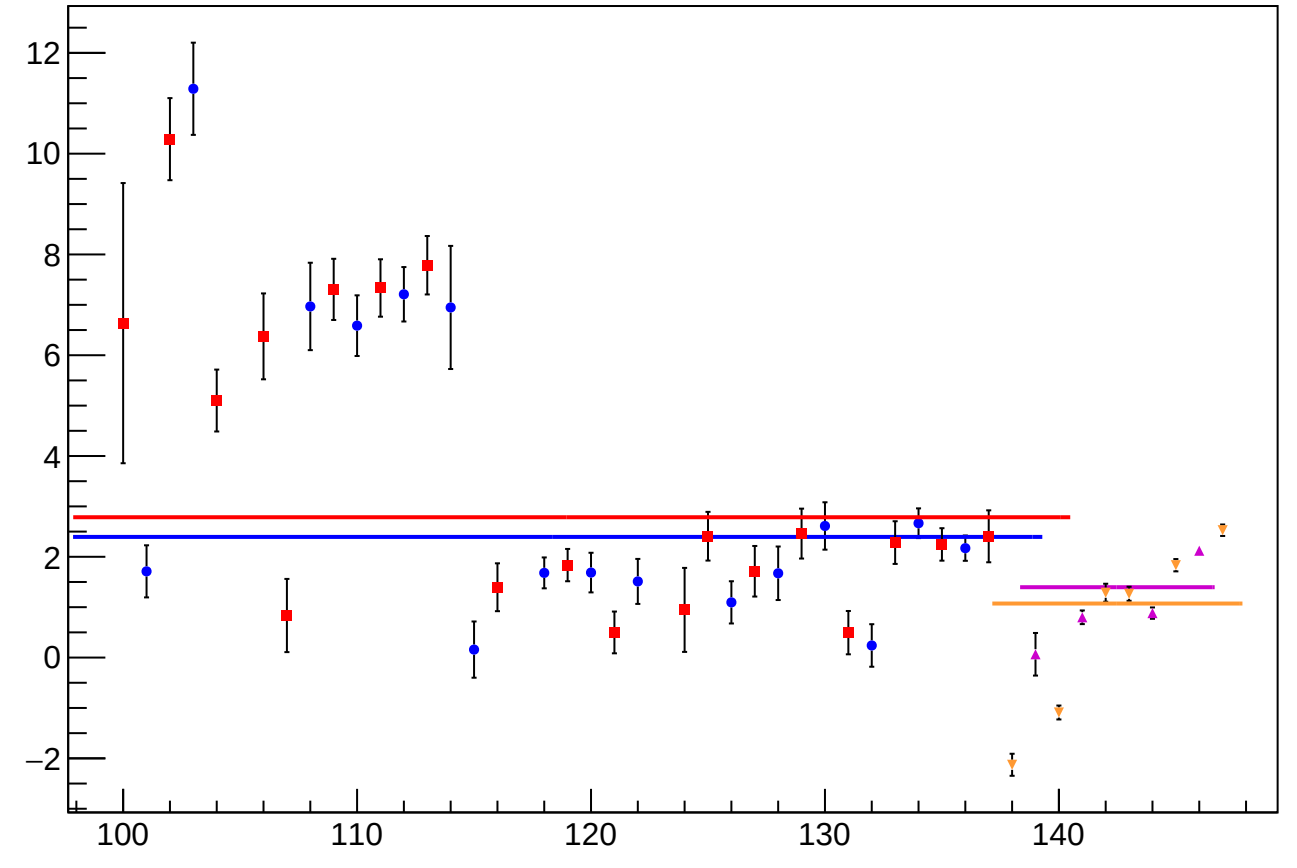
Left: 4.722+/-0.059 χ^2/NDF: 1745.2/9

Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.241+/-0.068 χ^2/NDF:929.8/19

Out: 4.083+/-0.064 χ^2/NDF:2834.8/24

All: 3.688+/-0.046 χ^2/NDF: 3846.6/44



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.072+/-0.058 χ^2/NDF:664.7/5

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.396+/-0.063 χ^2/NDF:108.3/3

Left: 1.220+/-0.043 χ^2/NDF: 787.4/9

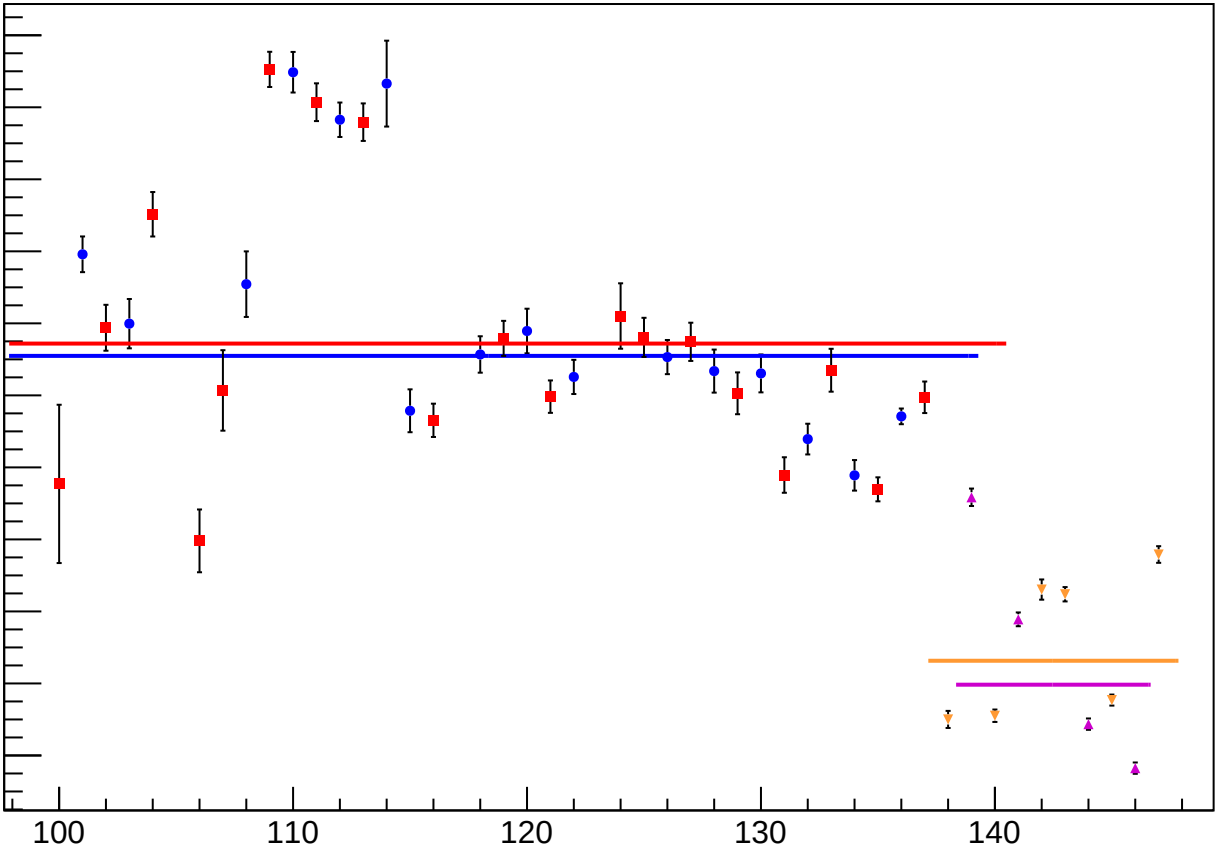
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.650+/-0.055 χ^2/NDF:505.5/19

Out: 1.413+/-0.052 χ^2/NDF:1250.6/24

All: 1.525+/-0.038 χ^2/NDF: 1766.2/44

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: 16.630+/-0.081 χ^2/NDF:475.1/5

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 15.965+/-0.089 χ^2/NDF:816.9/3

Left: 16.329+/-0.060 χ^2/NDF: 1322.1/9

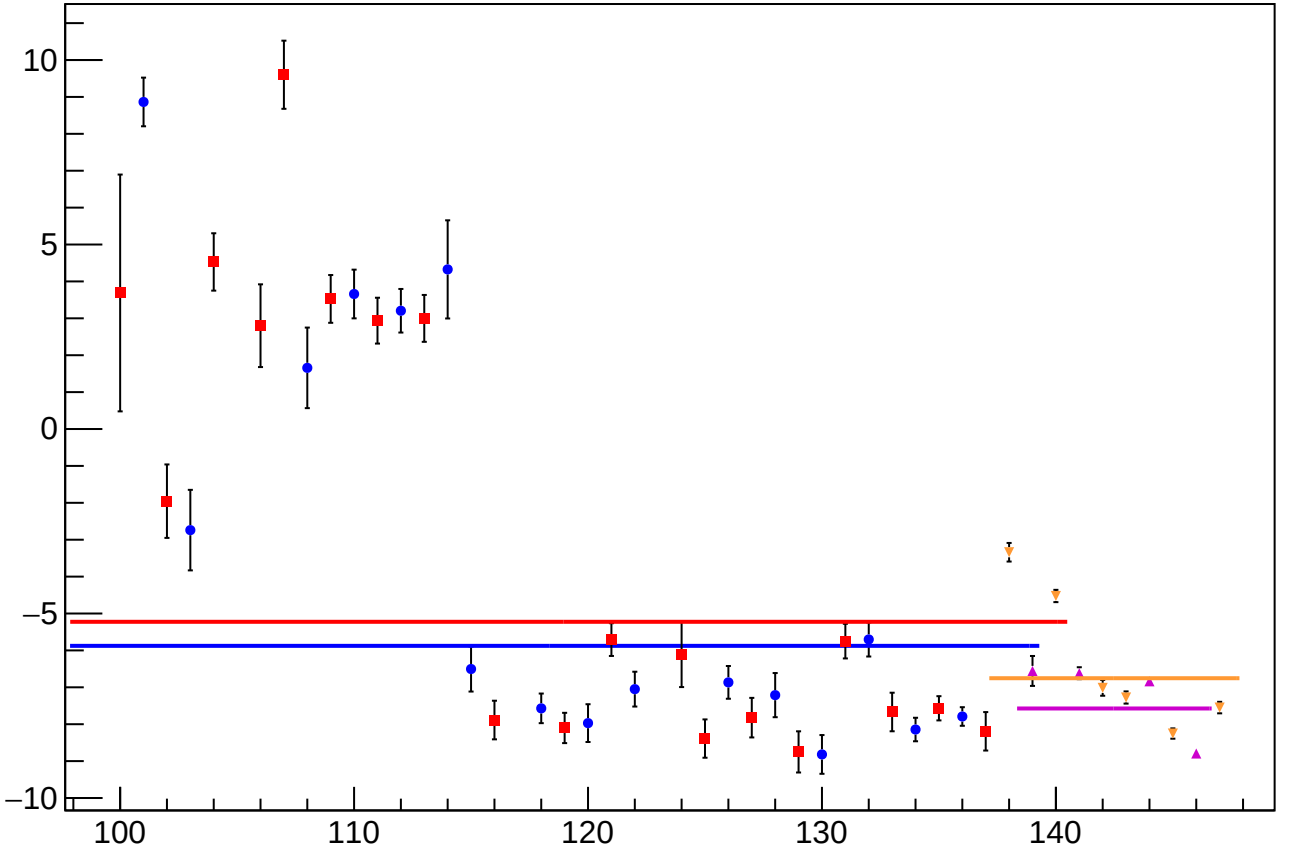
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.312+/-0.071 χ^2/NDF:5262.9/19

Out: 19.285+/-0.068 χ^2/NDF:4876.2/24

All: 19.298+/-0.049 χ^2/NDF: 10139.1/44

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: -6.754+/-0.070 χ^2/NDF:515.2/5

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.574+/-0.076 χ^2/NDF:175.9/3

Left: -7.129+/-0.052 χ^2/NDF: 753.5/9

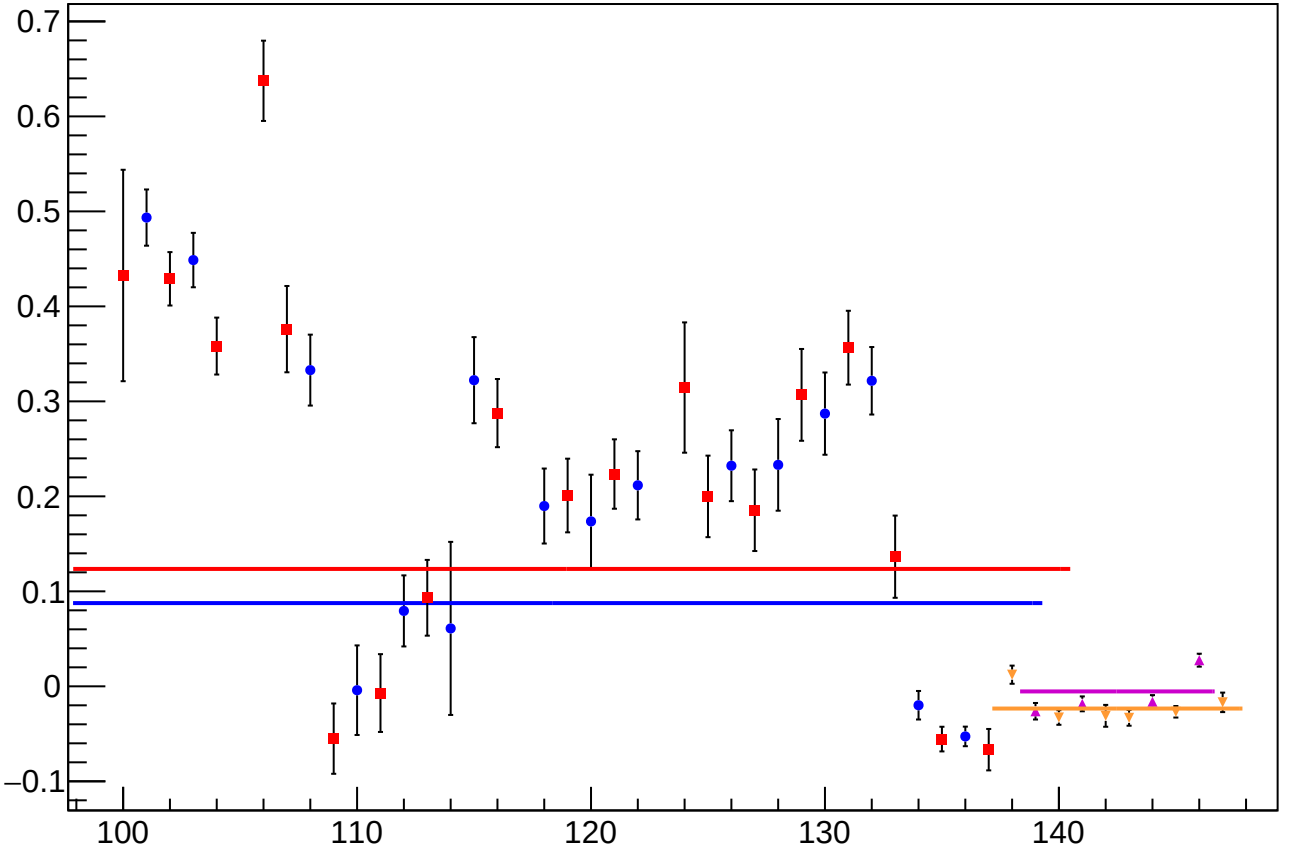
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.088+/-0.065 χ^2/NDF:1568.6/19

Out: -6.406+/-0.062 χ^2/NDF:1914.9/24

All: -6.731+/-0.045 χ^2/NDF: 3541.8/44

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: -0.023+/-0.003 χ^2/NDF:18.0/5

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.005+/-0.004 χ^2/NDF:34.3/3

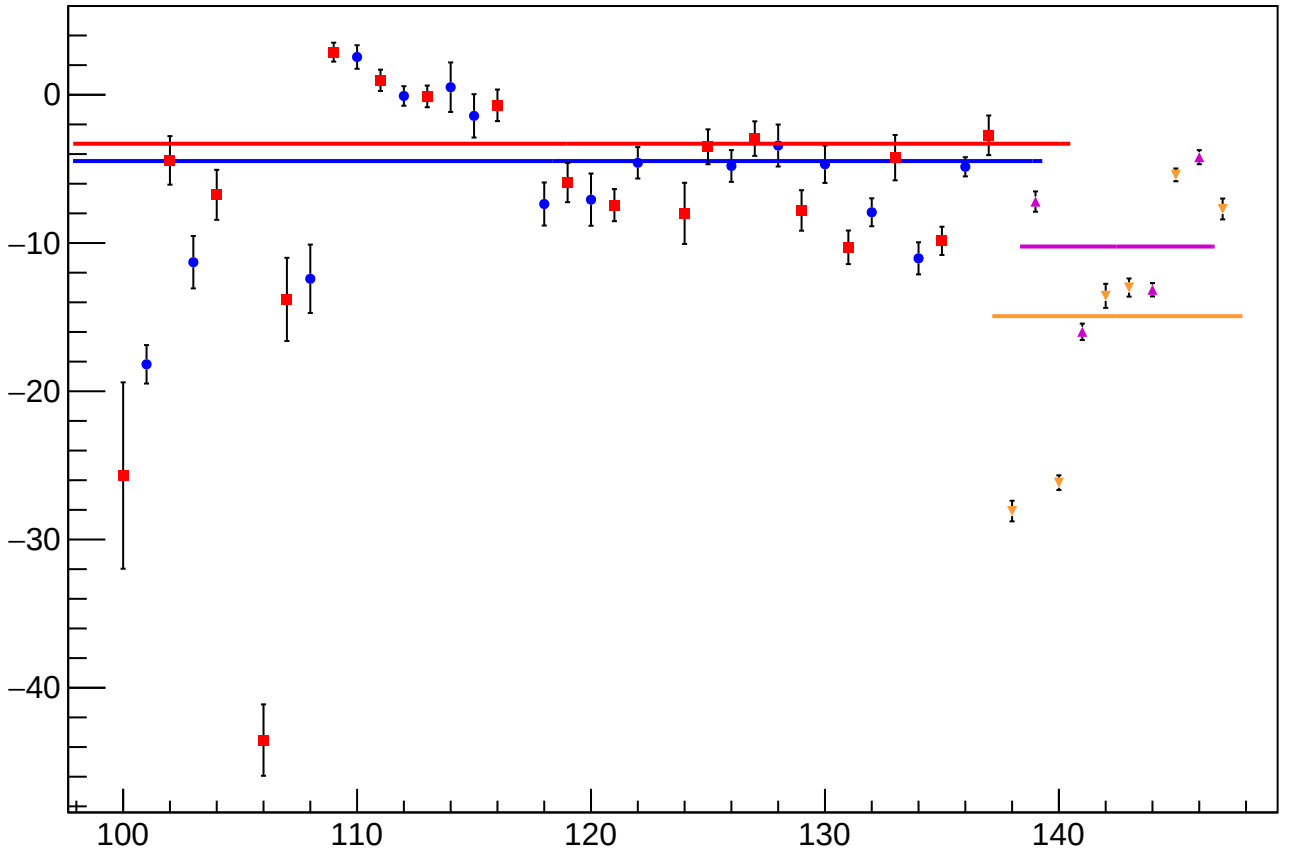
Left: -0.015+/-0.003 χ^2/NDF: 65.0/9

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.017+/-0.003 χ^2/NDF:952.9/19

Out: 0.003+/-0.003 χ^2/NDF:1111.2/24

All: 0.010+/-0.002 χ^2/NDF: 2074.8/44



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.934+/-0.238 χ^2/NDF:1473.9/5

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.237+/-0.261 χ^2/NDF:329.5/3

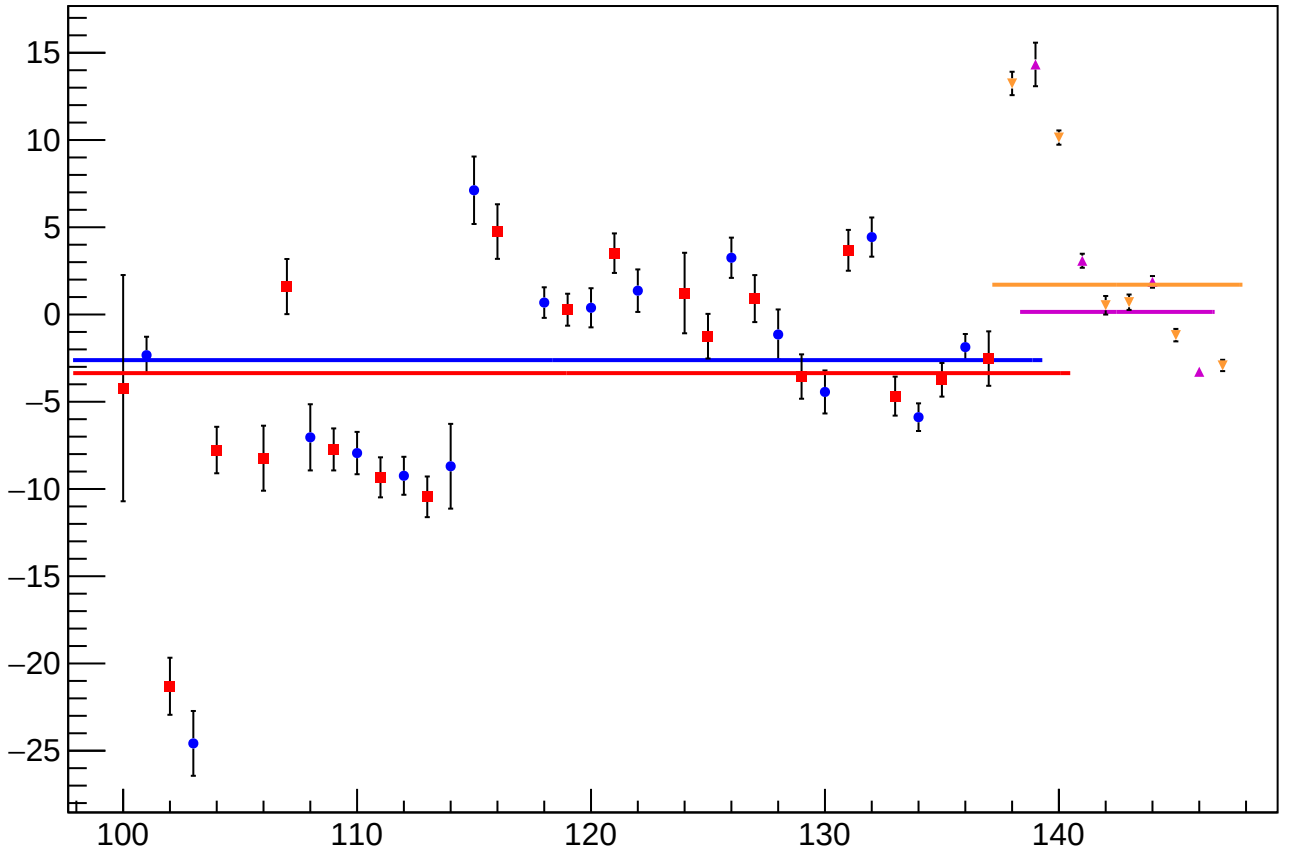
Left: -12.803+/-0.176 χ^2/NDF: 1980.3/9

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -7.435+/-0.187 χ^2/NDF:898.5/19

Out: -9.654+/-0.176 χ^2/NDF:3144.6/24

All: -8.614+/-0.128 χ^2/NDF: 4117.8/44



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.708+/-0.171 χ^2/NDF:1000.9/5

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.149+/-0.188 χ^2/NDF:355.3/3

Left: 1.004+/-0.127 χ^2/NDF: 1393.8/9

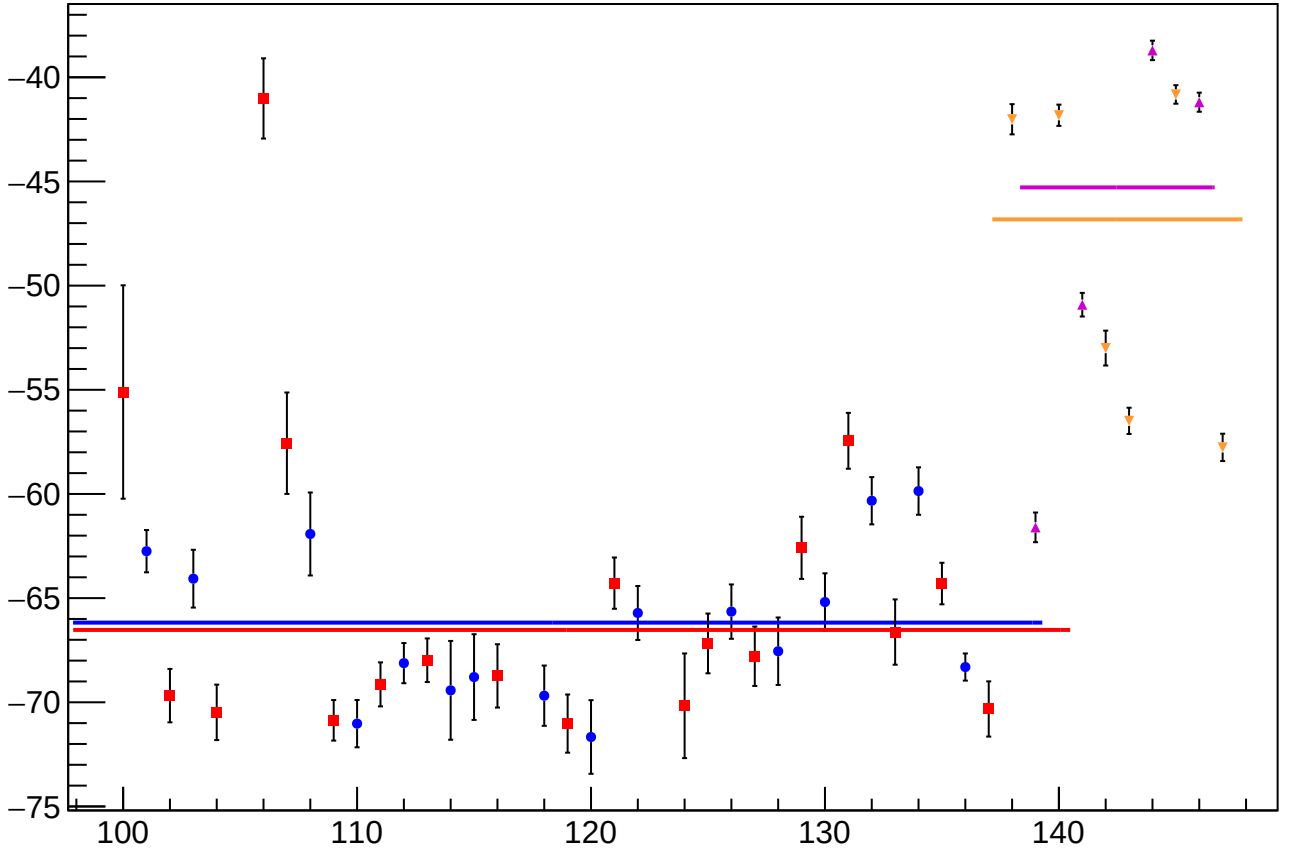
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -0.687+/-0.157 χ^2/NDF:772.5/19

Out: 0.459+/-0.148 χ^2/NDF:1577.2/24

All: -0.081+/-0.108 χ^2/NDF: 2377.9/44

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: -46.820+/-0.242 χ^2/NDF:890.3/5

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -45.285+/-0.263 χ^2/NDF:900.2/3

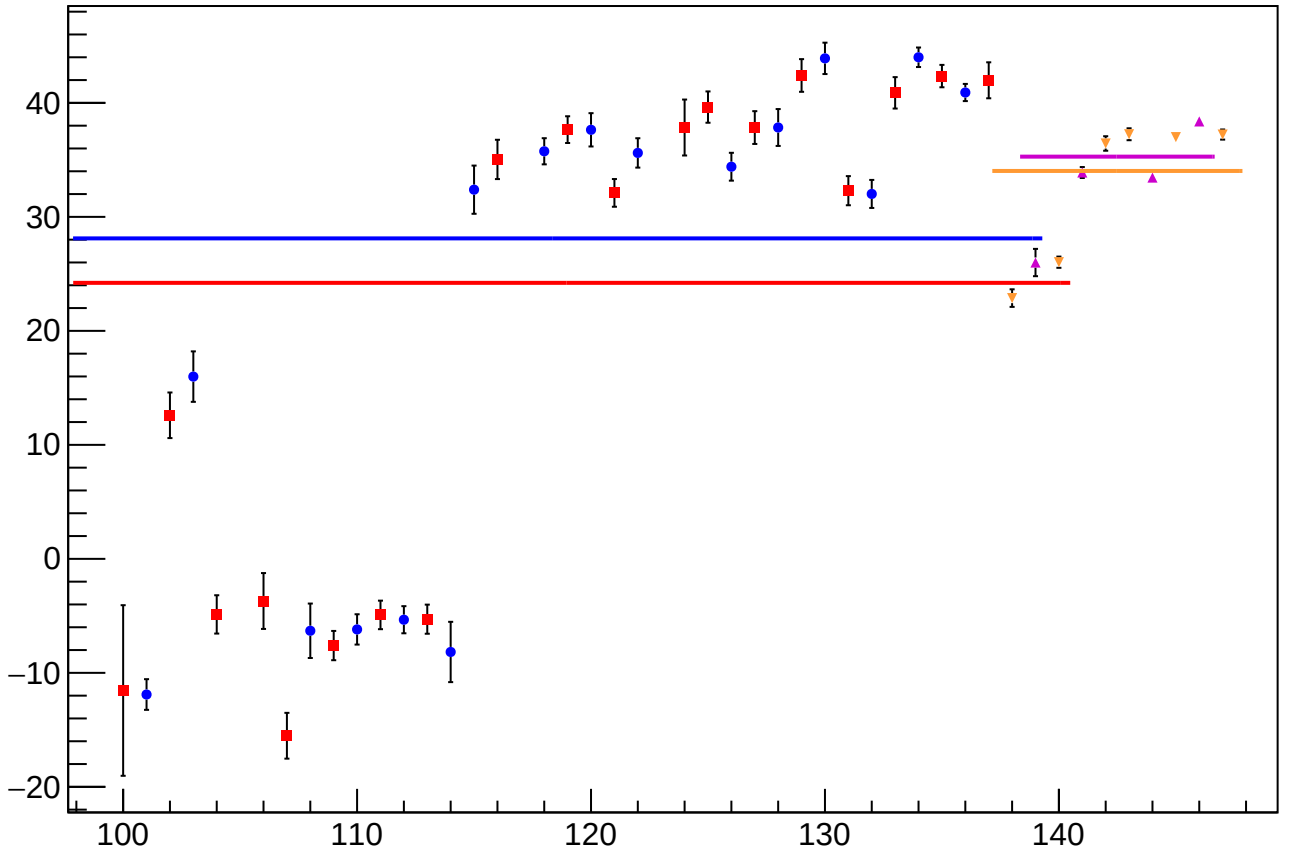
Left: -46.117+/-0.178 χ^2/NDF: 1808.9/9

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.230+/-0.199 χ^2/NDF:3724.1/19

Out: -54.209+/-0.191 χ^2/NDF:3697.9/24

All: -54.219+/-0.138 χ^2/NDF: 7422.0/44



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.028+/-0.209 χ^2/NDF:630.0/5

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.284+/-0.226 χ^2/NDF:166.4/3

Left: 34.604+/-0.153 χ^2/NDF: 813.0/9

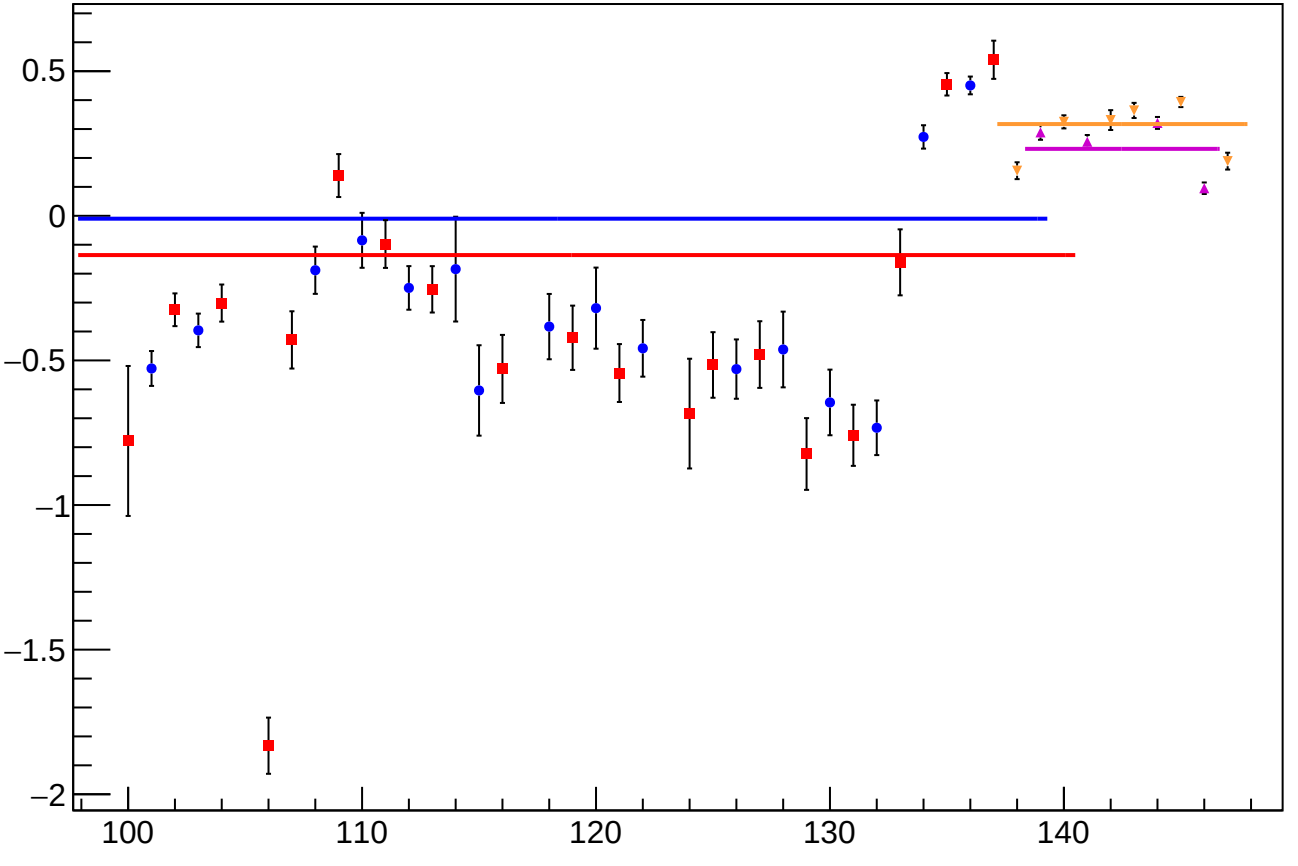
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 32.891+/-0.185 χ^2/NDF:4228.9/19

Out: 31.294+/-0.177 χ^2/NDF:5088.9/24

All: 32.059+/-0.128 χ^2/NDF: 9356.7/44

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.317+/-0.010 χ^2/NDF:72.2/5

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.231+/-0.011 χ^2/NDF:71.6/3

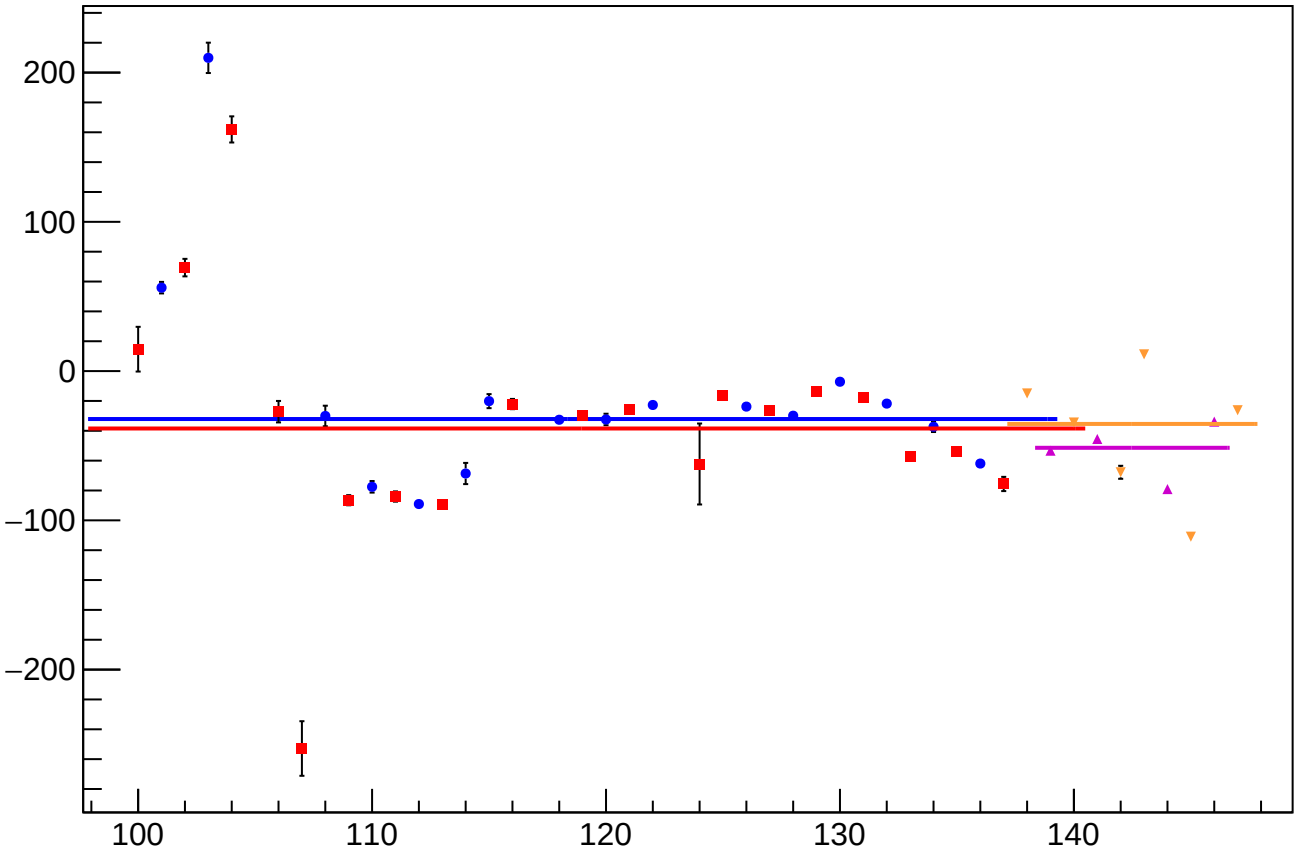
Left: 0.278+/-0.007 χ^2/NDF: 176.7/9

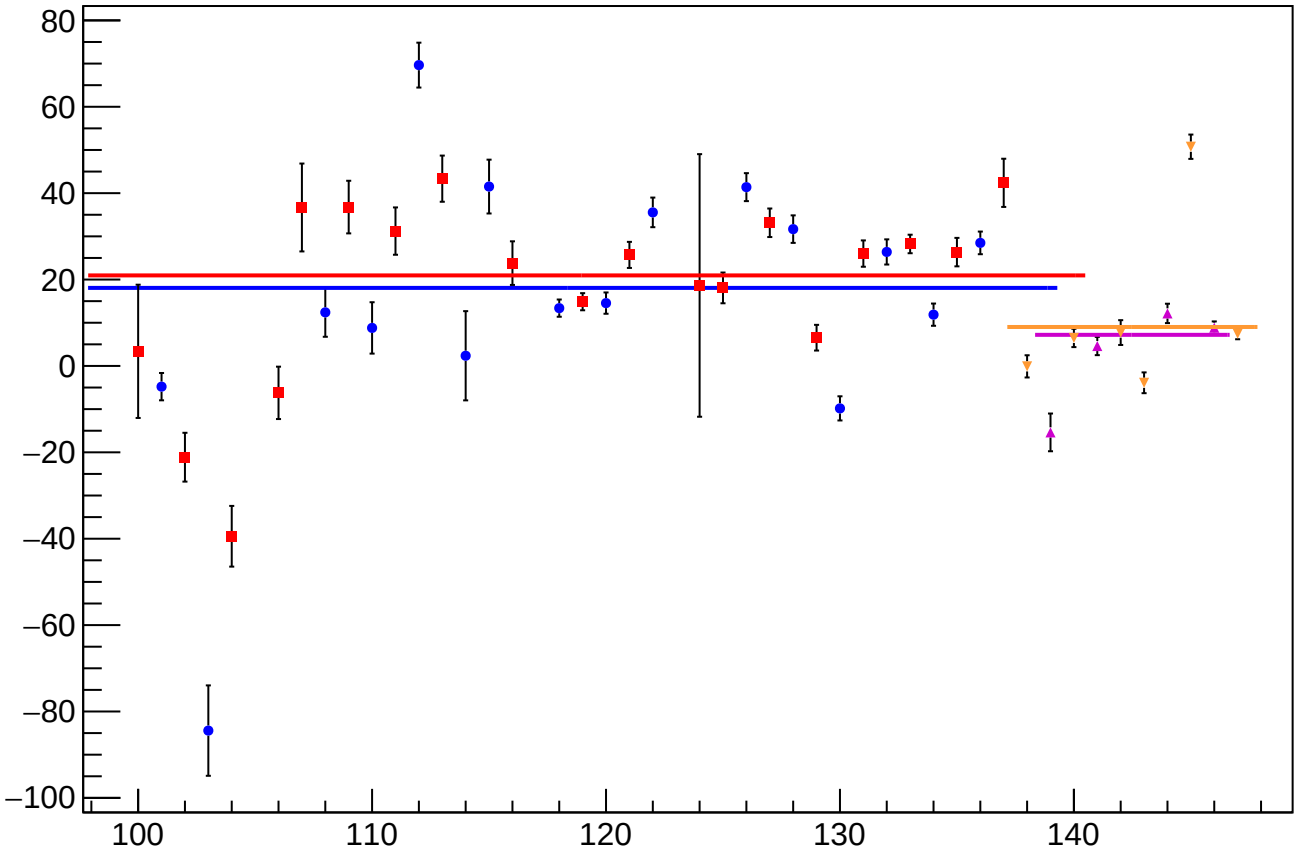
Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

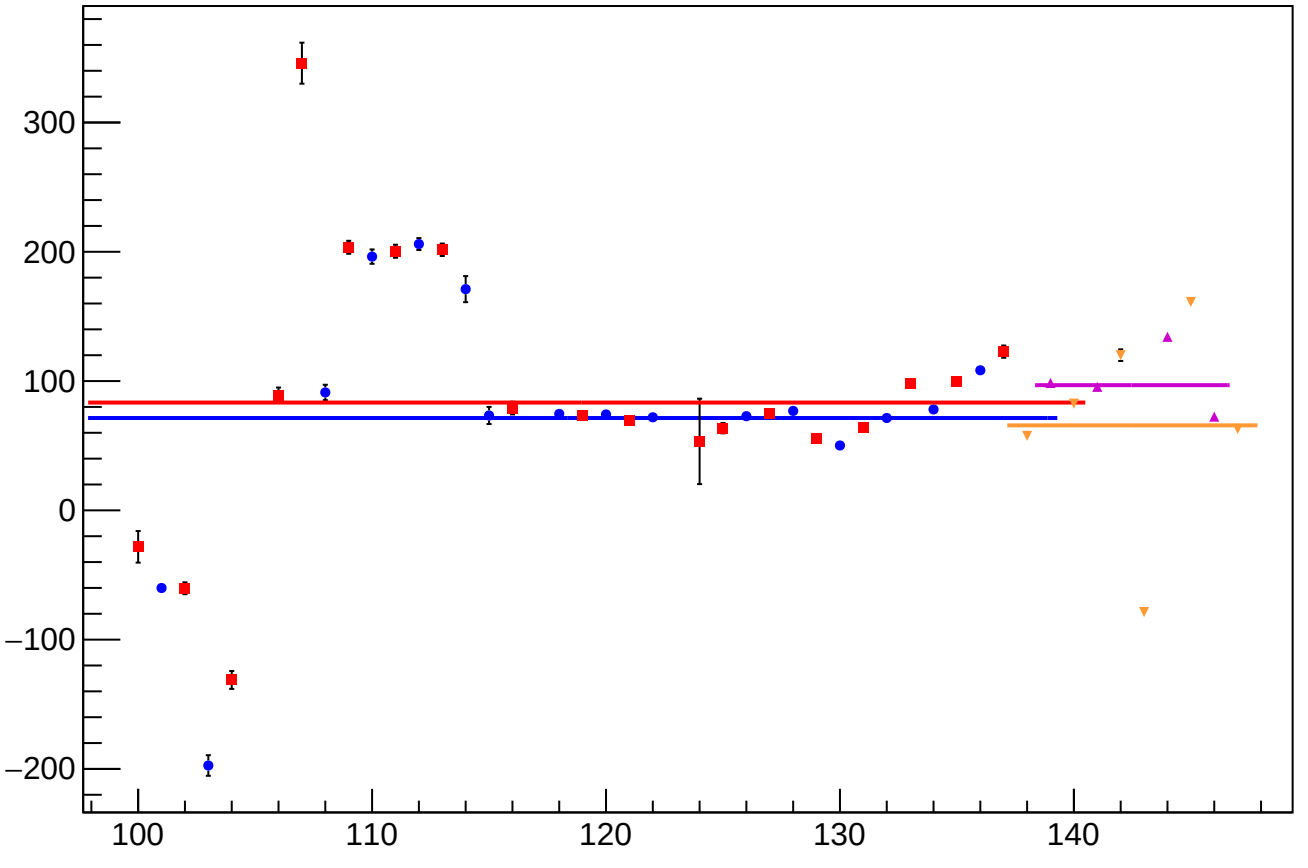
In: 0.162+/-0.009 χ^2/NDF:797.2/19

Out: 0.216+/-0.009 χ^2/NDF:1340.3/24

All: 0.190+/-0.006 χ^2/NDF: 2155.2/44


reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected
200
100
0
−100
−200
100
110
120
130
140
Right In: -32.117+/-0.843 χ²/NDF: 1877.5/15
Left Out: -35.406+/-1.202 χ²/NDF:889.1/5
Right Out: -38.462+/-0.864 χ²/NDF: 1972.5/18
Left In: -51.393+/-1.352 χ²/NDF:133.4/3
Left: -42.464+/-0.898 χ²/NDF: 1100.7/9
Right: -35.208+/-0.603 χ²/NDF: 3877.6/34
In: -37.513+/-0.715 χ²/NDF:2157.4/19
Out: -37.419+/-0.702 χ²/NDF:2865.9/24
All: -37.465+/-0.501 χ²/NDF: 5023.3/44


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
Right In: 18.068+/-0.823 χ²/NDF: 499.6/15
Left Out: 9.019+/-0.847 χ²/NDF:264.1/5
Right Out: 20.959+/-0.868 χ²/NDF: 262.6/18
Left In: 7.200+/-1.028 χ²/NDF:34.4/3
Left: 8.284+/-0.654 χ²/NDF: 300.4/9
Right: 19.435+/-0.597 χ²/NDF: 768.0/34
In: 13.827+/-0.642 χ²/NDF:602.1/19
Out: 14.840+/-0.606 χ²/NDF:623.6/24
All: 14.362+/-0.441 χ²/NDF: 1227.0/44



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 65.747+/-1.214 χ^2/NDF:2869.3/5

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 96.836+/-1.367 χ^2/NDF:239.7/3

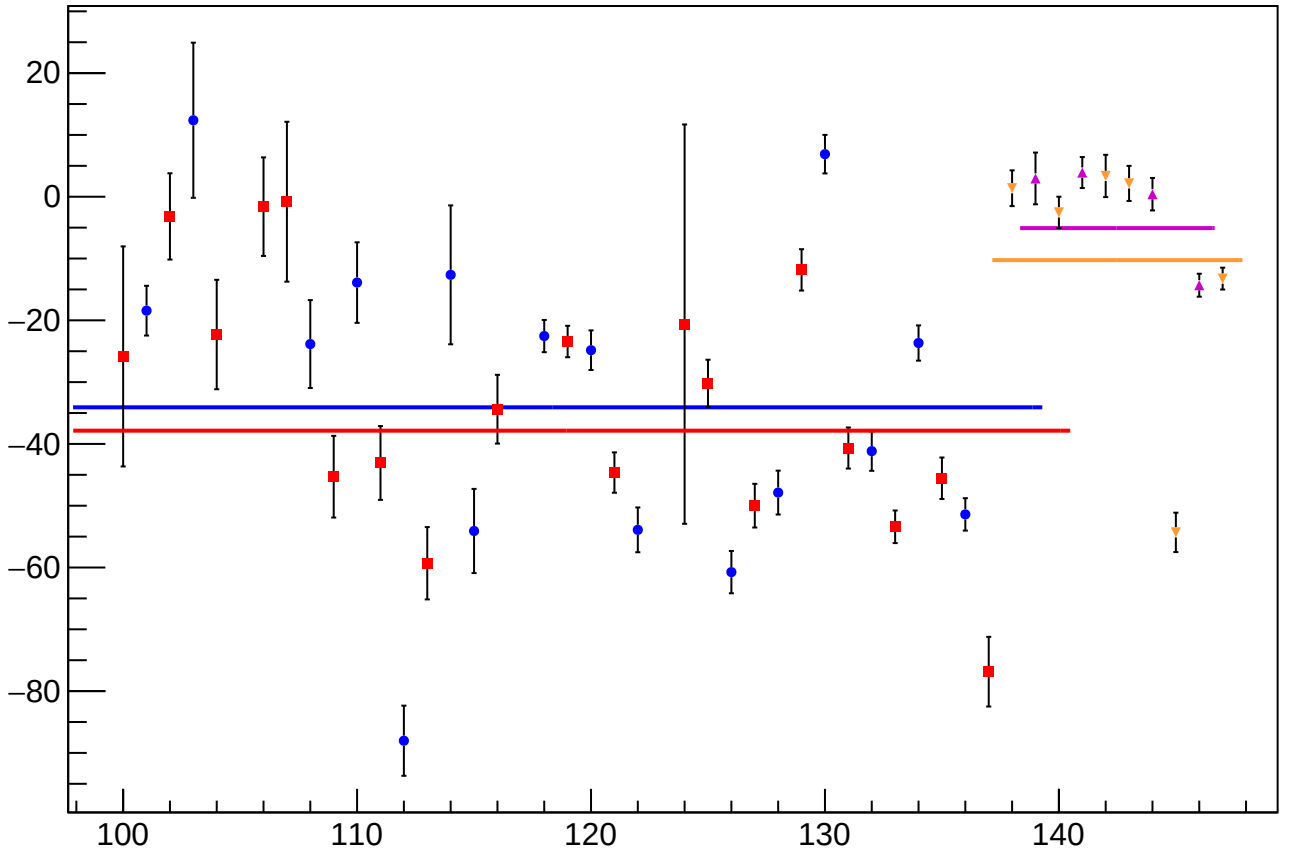
Left: 79.452+/-0.908 χ^2/NDF: 3398.2/9

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 79.476+/-0.770 χ^2/NDF:5295.4/19

Out: 76.380+/-0.765 χ^2/NDF:7294.0/24

All: 77.919+/-0.543 χ^2/NDF: 12597.5/44



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -10.258+/-1.052 χ^2/NDF:254.4/5

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -5.078+/-1.239 χ^2/NDF:45.7/3

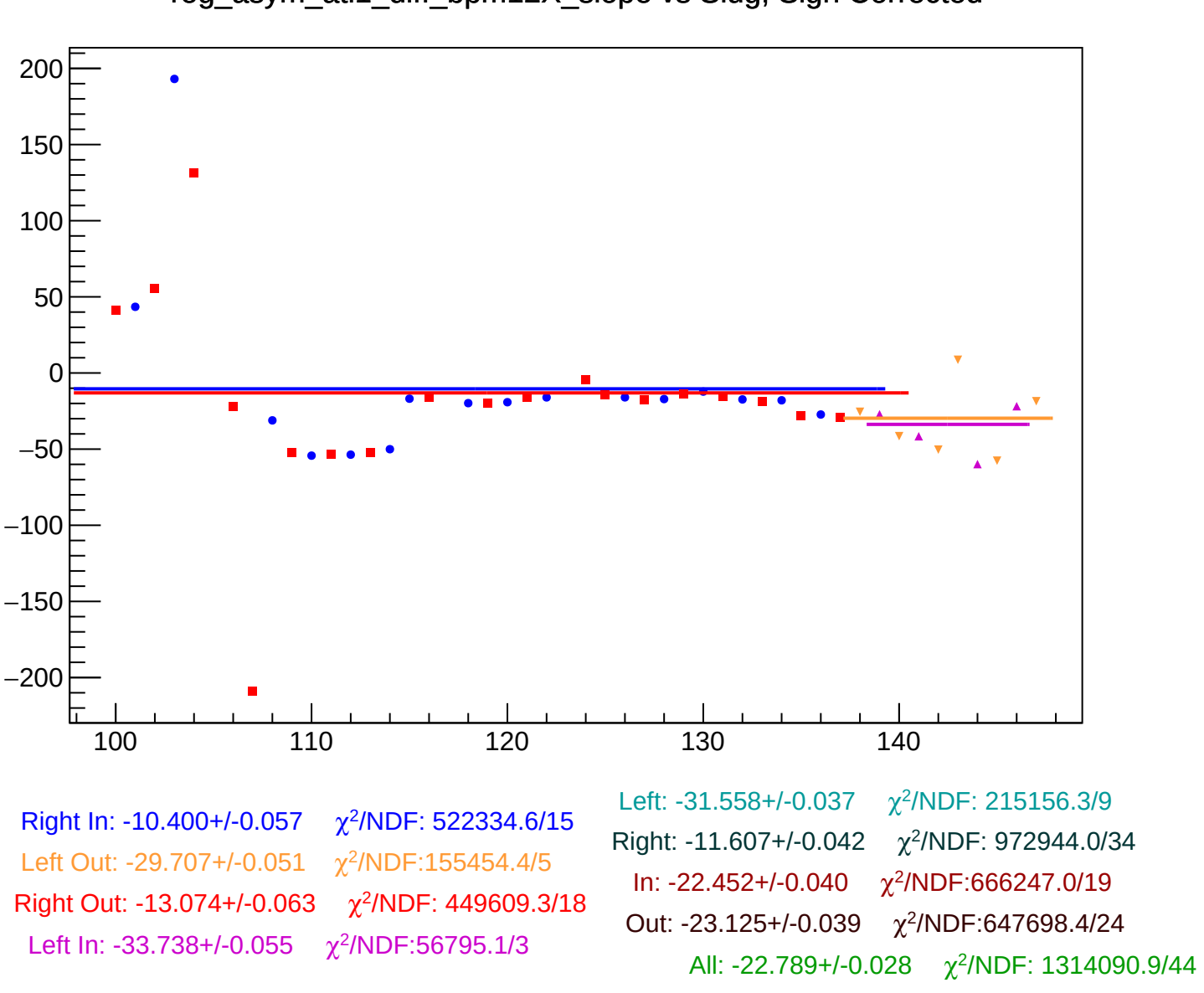
Left: -8.088+/-0.802 χ^2/NDF: 310.2/9

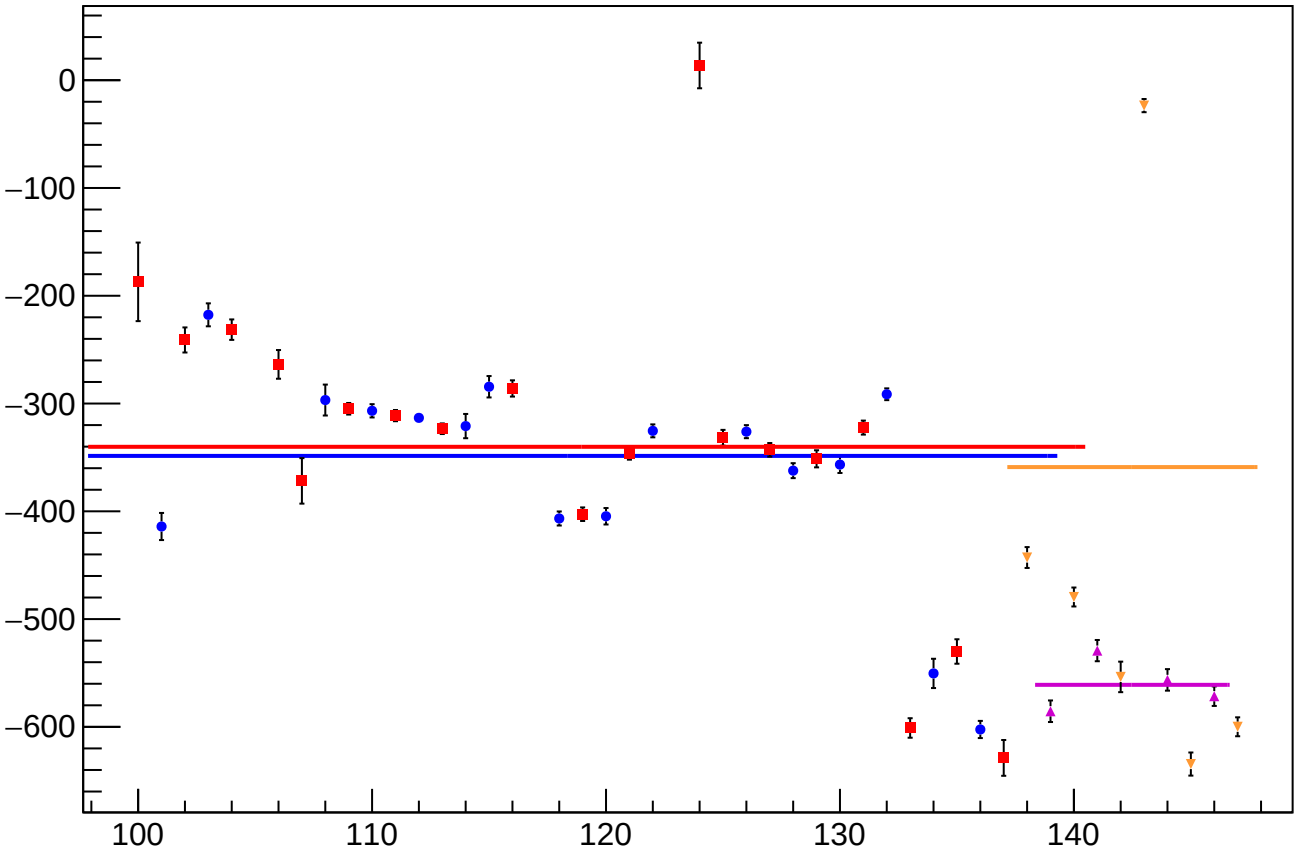
Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -23.456+/-0.750 χ^2/NDF:903.8/19

Out: -24.847+/-0.723 χ^2/NDF:892.5/24

All: -24.178+/-0.520 χ^2/NDF: 1798.1/44


reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
Right In: -10.400+/-0.057 χ²/NDF: 522334.6/15
Left Out: -29.707+/-0.051 χ²/NDF:155454.4/5
Right Out: -13.074+/-0.063 χ²/NDF: 449609.3/18
Left In: -33.738+/-0.055 χ²/NDF:56795.1/3
Left: -31.558+/-0.037 χ²/NDF: 215156.3/9
Right: -11.607+/-0.042 χ²/NDF: 972944.0/34
In: -22.452+/-0.040 χ²/NDF:666247.0/19
Out: -23.125+/-0.039 χ²/NDF:647698.4/24
All: -22.789+/-0.028 χ²/NDF: 1314090.9/44



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -358.963+/-3.604 χ^2/NDF:4868.0/5

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -561.003+/-4.851 χ^2/NDF:17.9/3

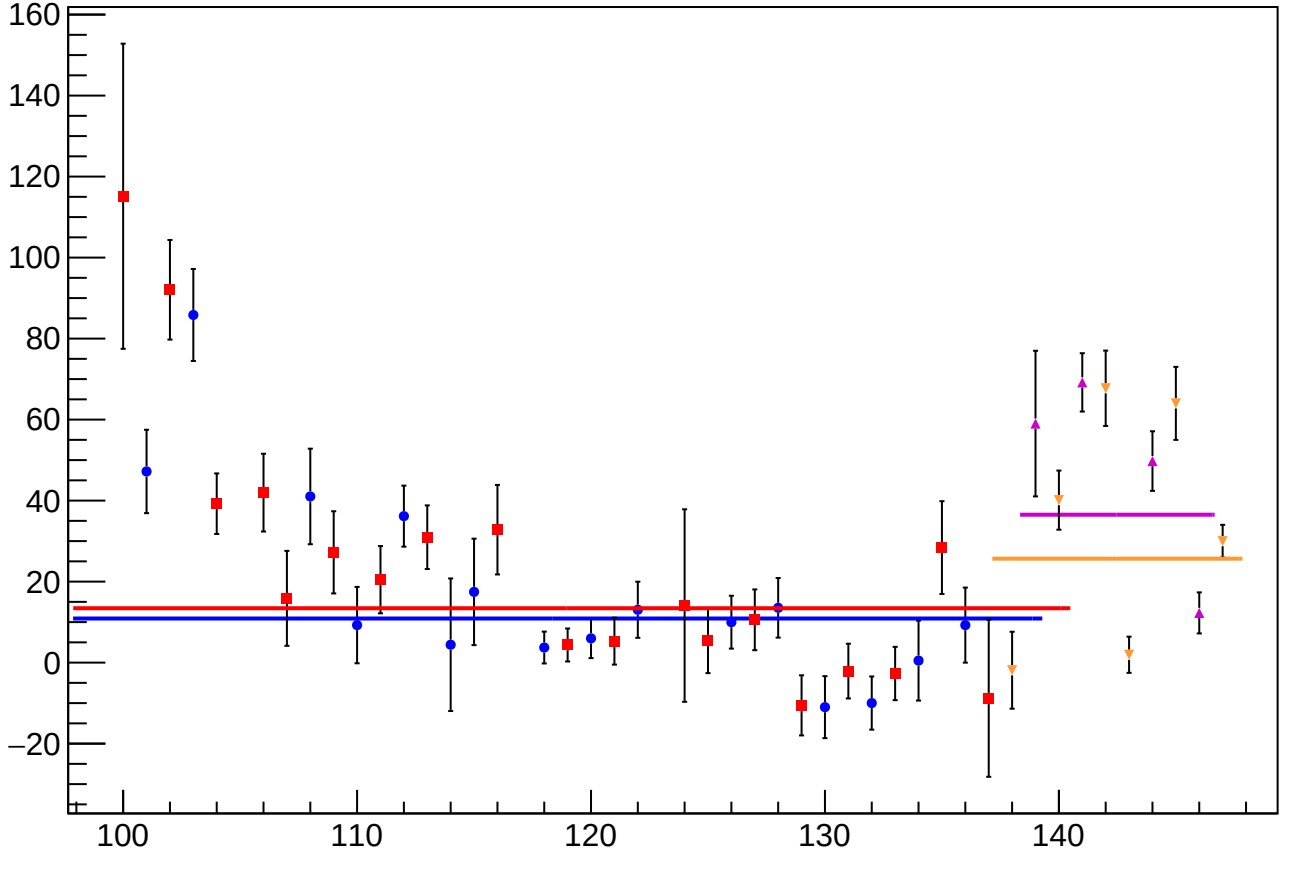
Left: -430.834+/-2.893 χ^2/NDF: 6003.6/9

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -374.916+/-1.708 χ^2/NDF:3556.1/19

Out: -343.765+/-1.581 χ^2/NDF:7087.1/24

All: -358.142+/-1.160 χ^2/NDF: 10822.4/44



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 25.660+/-2.459 χ^2/NDF:80.3/5

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 36.517+/-3.540 χ^2/NDF:48.3/3

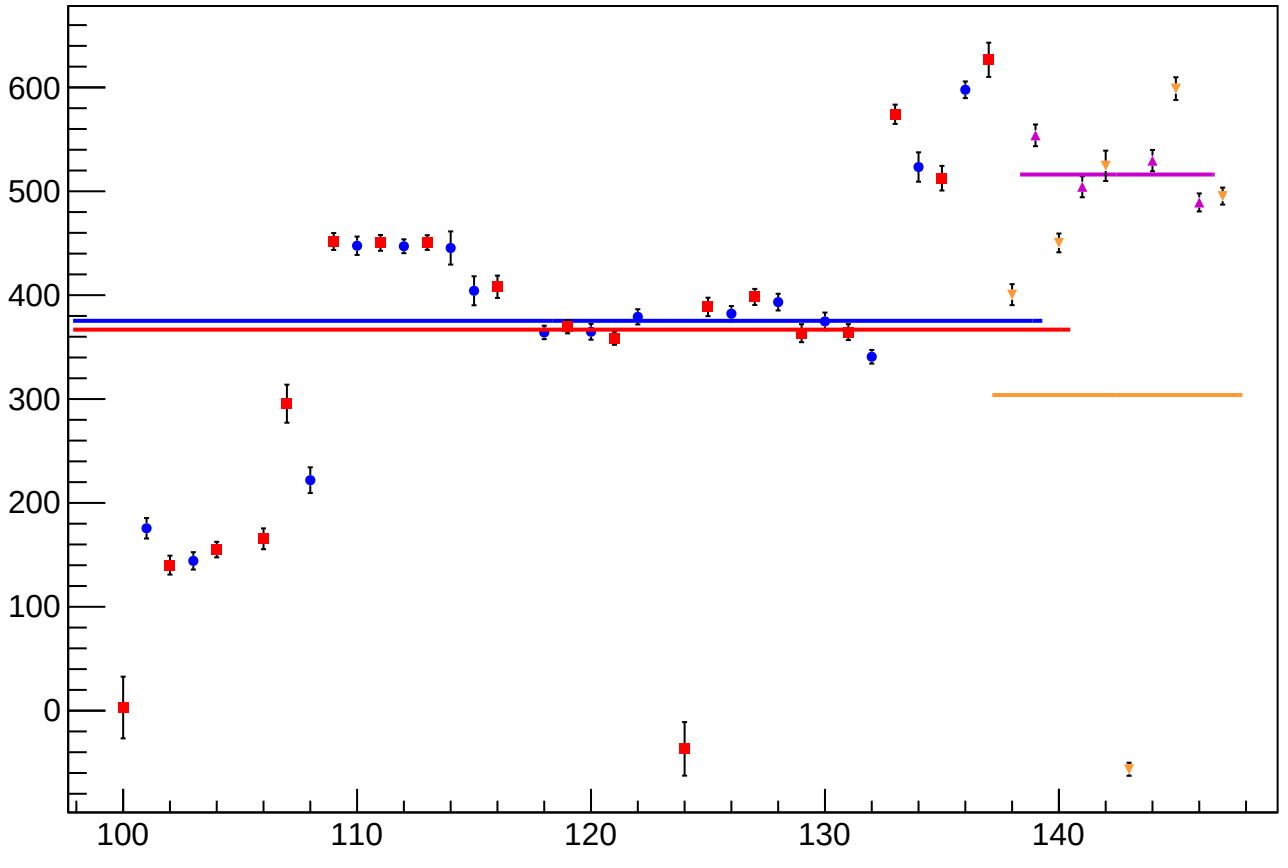
Left: 29.194+/-2.020 χ^2/NDF: 134.9/9

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 16.352+/-1.635 χ^2/NDF:187.8/19

Out: 17.861+/-1.481 χ^2/NDF:208.4/24

All: 17.181+/-1.097 χ^2/NDF: 396.7/44



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 303.882+/-3.646 χ^2/NDF:5127.6/5

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 516.151+/-4.894 χ^2/NDF:25.7/3

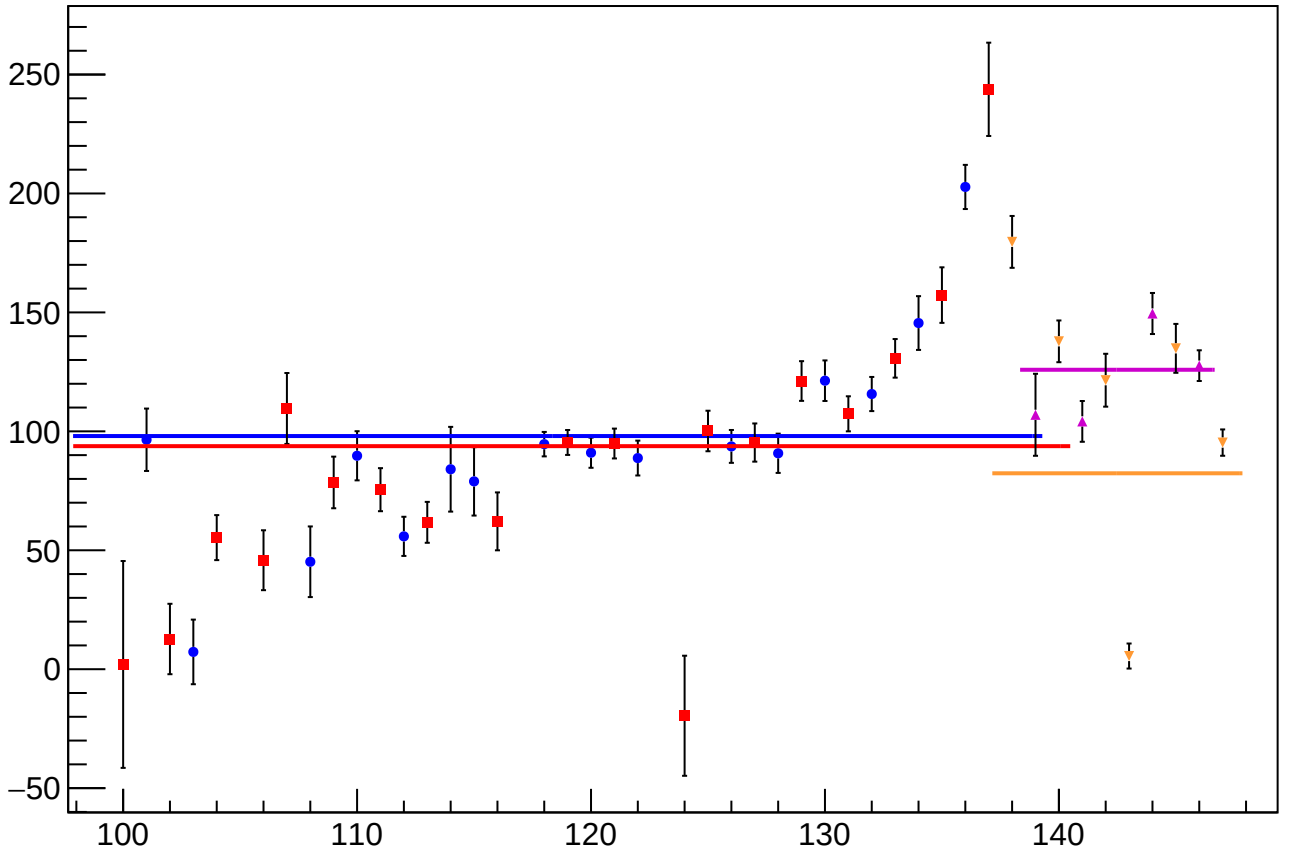
Left: 379.652+/-2.924 χ^2/NDF: 6363.0/9

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 397.266+/-1.932 χ^2/NDF:3174.2/19

Out: 351.718+/-1.787 χ^2/NDF:8895.2/24

All: 372.714+/-1.312 χ^2/NDF: 12369.0/44



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 82.363+/-3.047 χ^2/NDF:376.6/5

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 125.885+/-4.288 χ^2/NDF:15.2/3

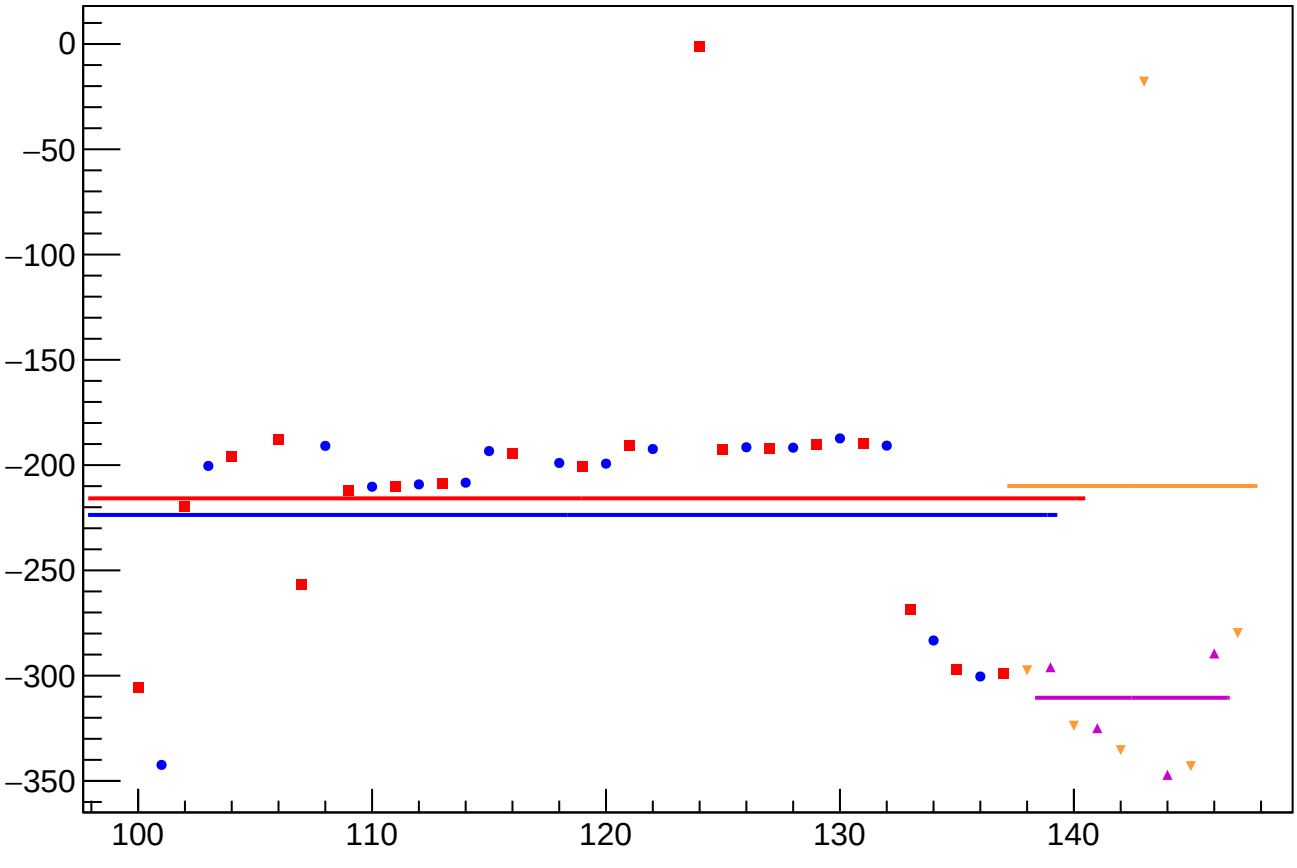
Left: 96.967+/-2.484 χ^2/NDF: 460.2/9

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 103.595+/-1.918 χ^2/NDF:298.5/19

Out: 90.006+/-1.750 χ^2/NDF:623.1/24

All: 96.182+/-1.293 χ^2/NDF: 949.0/44



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -209.924+/-0.153 χ^2/NDF:840696.5/5

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -310.504+/-0.200 χ^2/NDF:12241.3/3

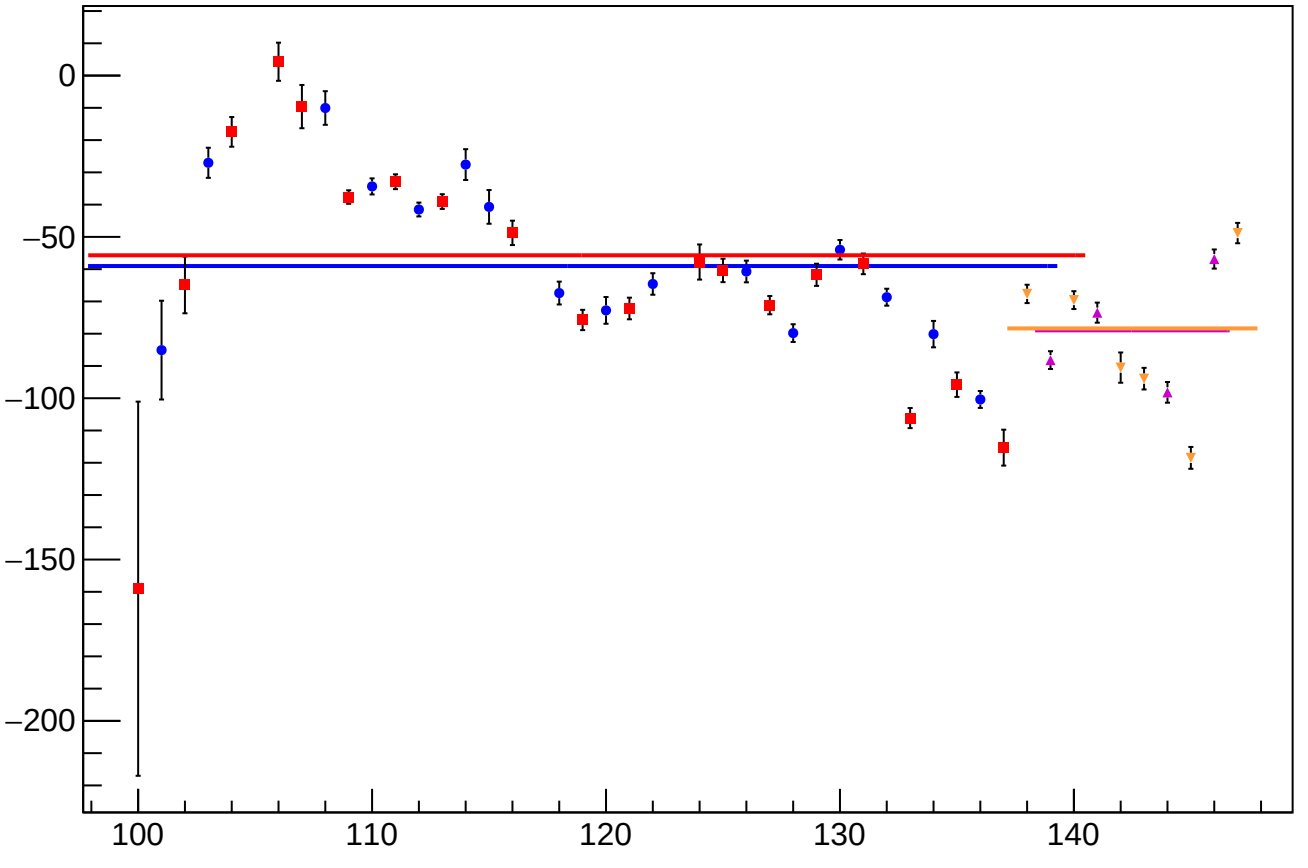
Left: -247.147+/-0.122 χ^2/NDF: 1011970.2/9

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -251.720+/-0.114 χ^2/NDF:261162.2/19

Out: -213.249+/-0.101 χ^2/NDF:923042.7/24

All: -230.215+/-0.076 χ^2/NDF: 1248116.1/44



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -78.360+/-1.317 χ^2/NDF:280.4/5

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -78.958+/-1.498 χ^2/NDF:105.8/3

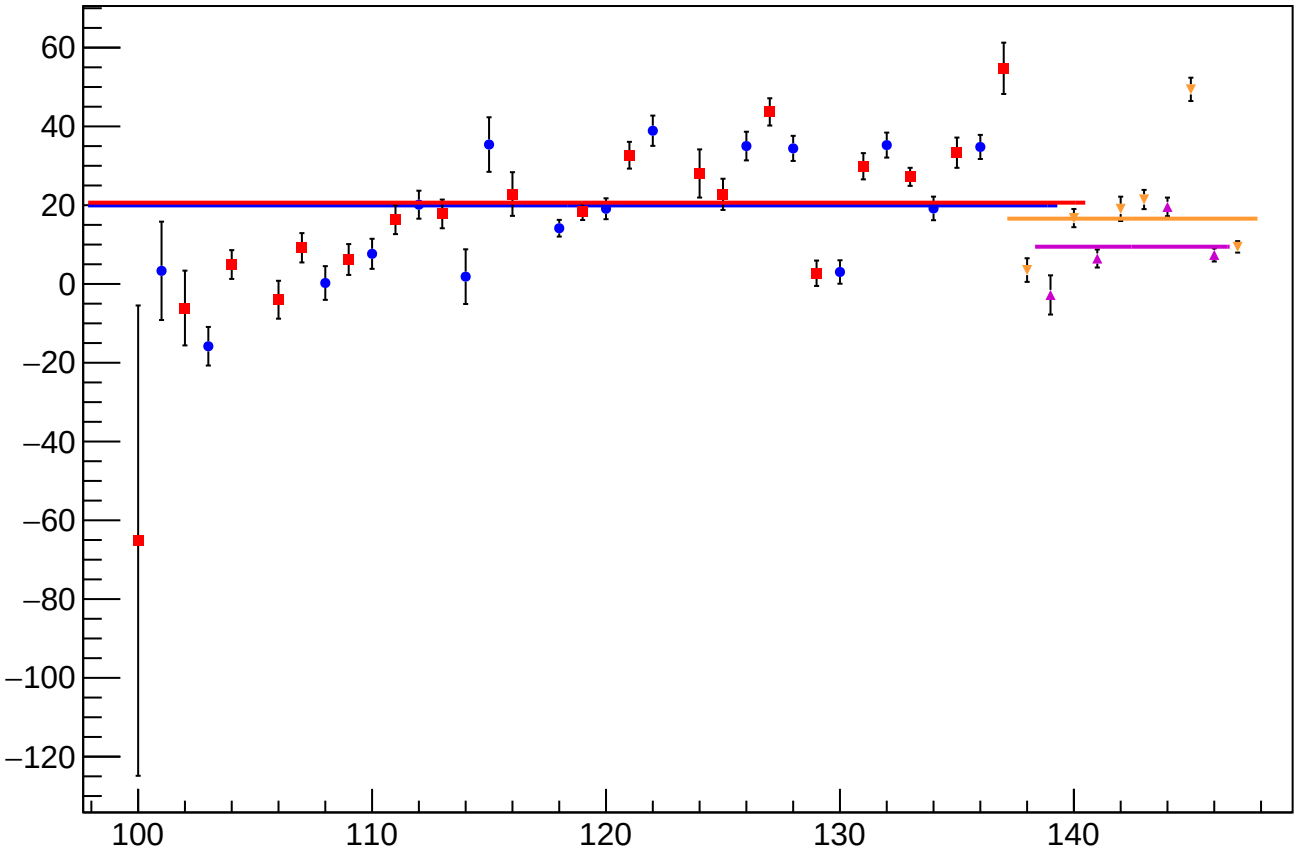
Left: -78.621+/-0.989 χ^2/NDF: 386.3/9

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -63.703+/-0.726 χ^2/NDF:968.5/19

Out: -61.697+/-0.677 χ^2/NDF:1539.3/24

All: -62.631+/-0.495 χ^2/NDF: 2511.9/44



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 16.583+/-0.929 χ^2/NDF:170.4/5

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.458+/-1.144 χ^2/NDF:27.5/3

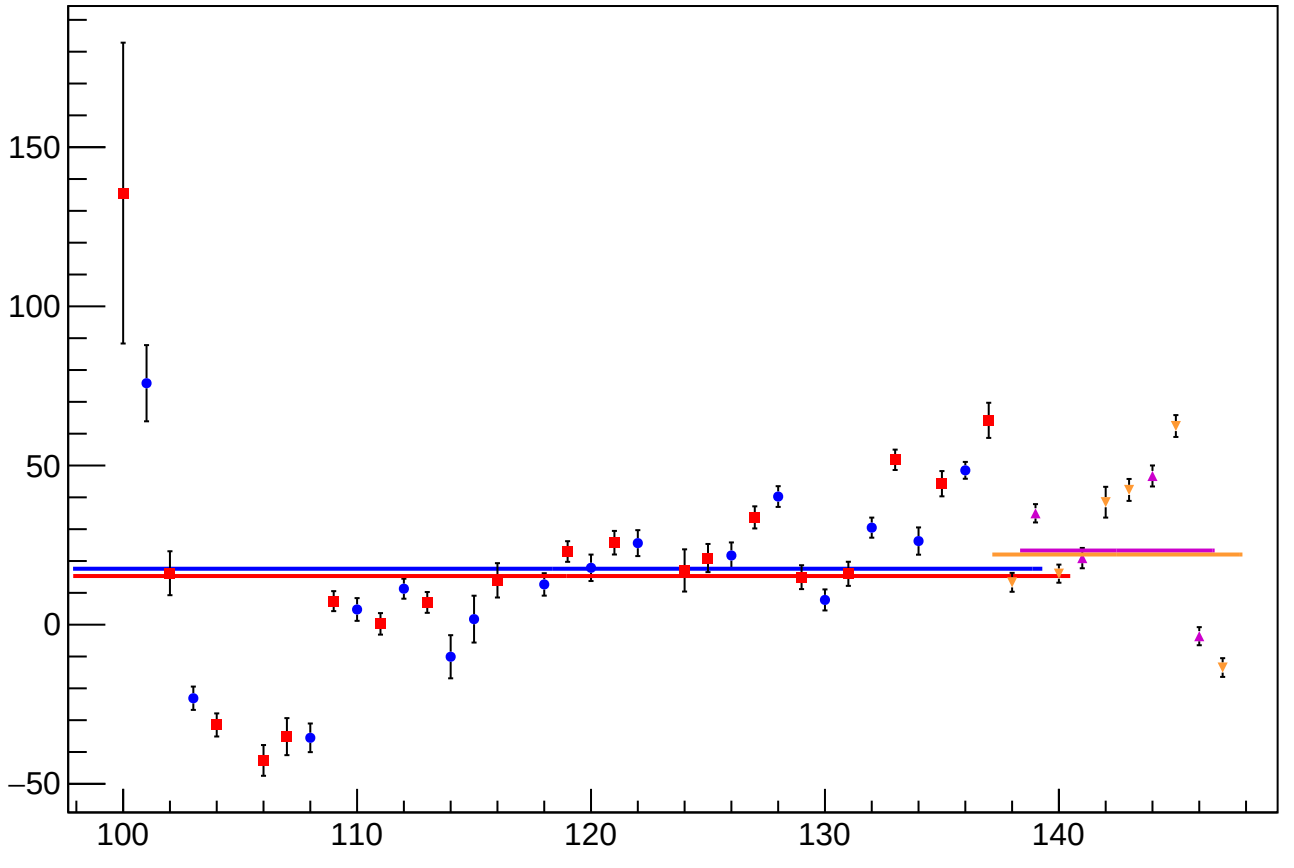
Left: 13.749+/-0.721 χ^2/NDF: 221.3/9

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 16.116+/-0.691 χ^2/NDF:328.1/19

Out: 18.809+/-0.625 χ^2/NDF:405.6/24

All: 17.598+/-0.463 χ^2/NDF: 742.0/44



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 22.042+/-1.331 χ^2/NDF:343.0/5

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 23.288+/-1.517 χ^2/NDF:157.1/3

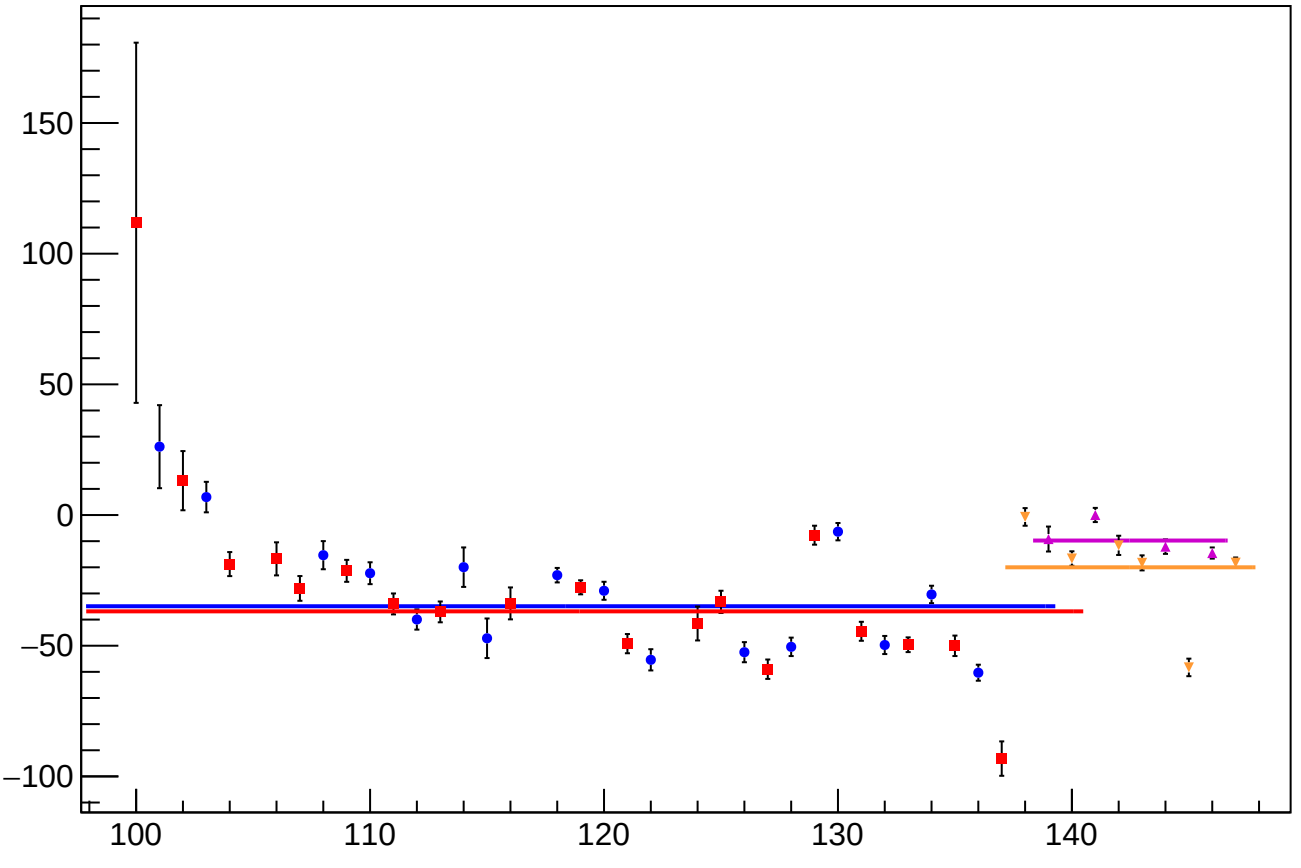
Left: 22.584+/-1.001 χ^2/NDF: 500.5/9

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 19.199+/-0.809 χ^2/NDF:713.5/19

Out: 17.513+/-0.765 χ^2/NDF:1090.3/24

All: 18.308+/-0.556 χ^2/NDF: 1806.1/44


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
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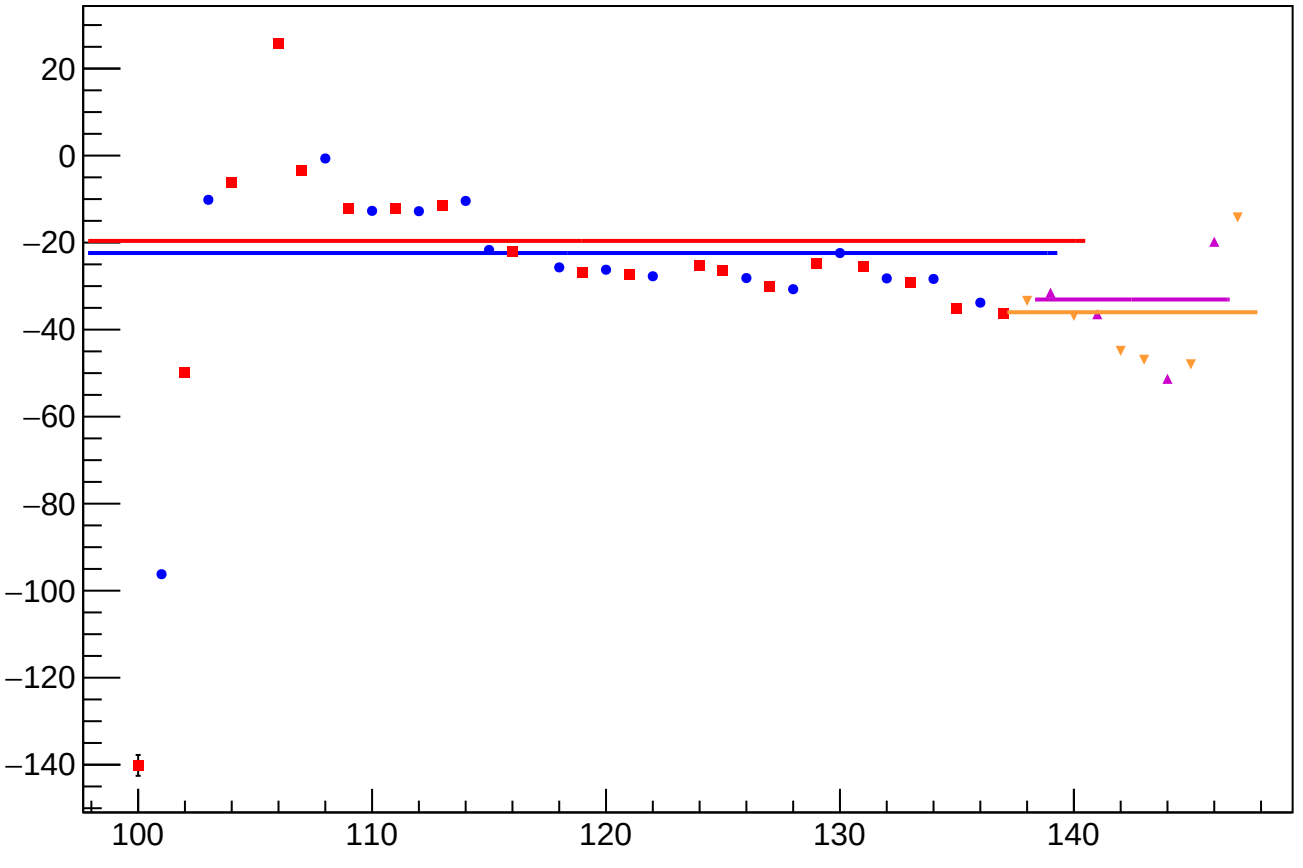
110
120
130
140
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -20.002+/-1.152 χ²/NDF:170.9/5
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -9.758+/-1.374 χ²/NDF:18.7/3
Left: -15.776+/-0.883 χ²/NDF: 222.2/9
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -26.307+/-0.803 χ²/NDF:585.6/19
Out: -29.865+/-0.742 χ²/NDF:597.6/24
All: -28.228+/-0.545 χ²/NDF: 1193.8/44



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -36.003+/-0.056 χ^2/NDF:44057.2/5

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -33.078+/-0.061 χ^2/NDF:27905.2/3

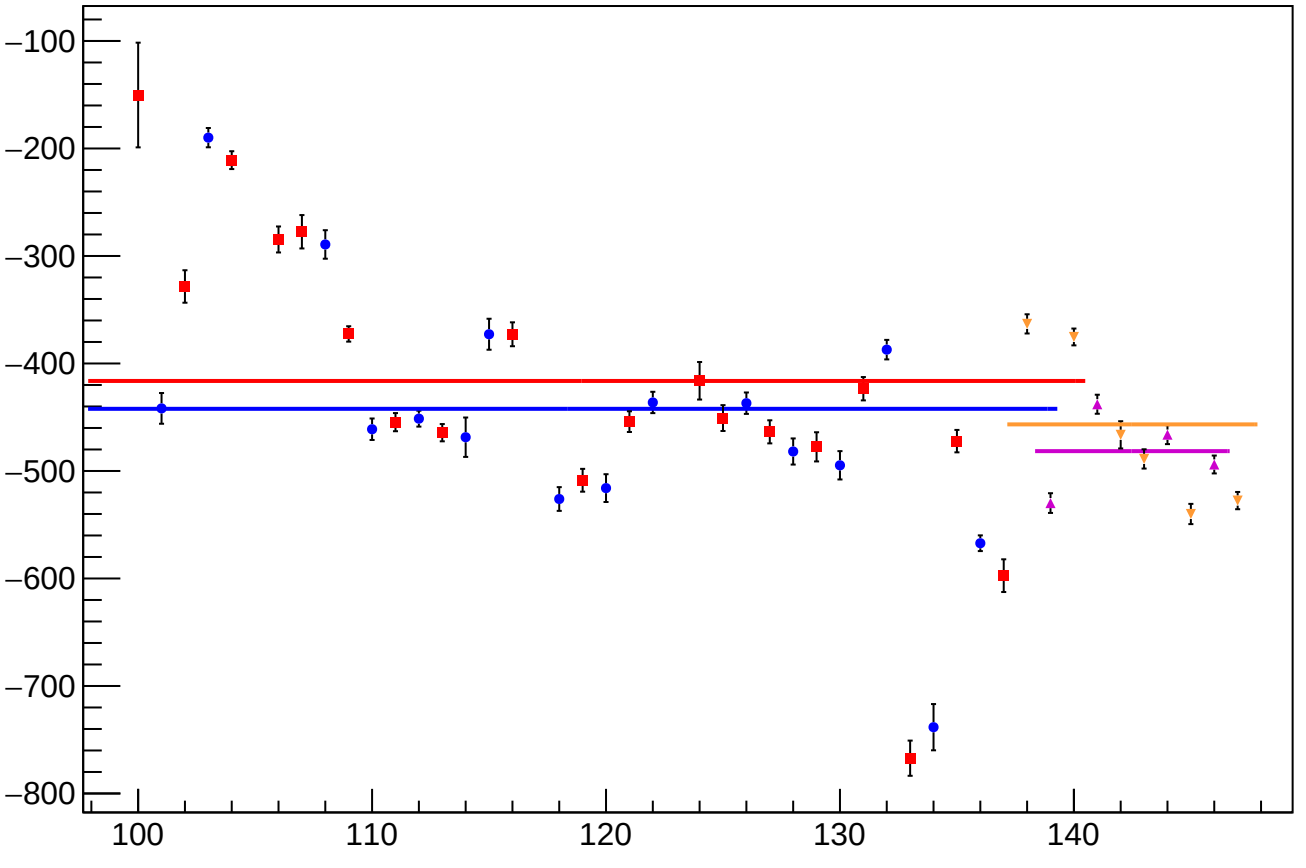
Left: -34.683+/-0.041 χ^2/NDF: 73213.2/9

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -27.471+/-0.042 χ^2/NDF:90390.2/19

Out: -28.357+/-0.041 χ^2/NDF:168527.6/24

All: -27.931+/-0.029 χ^2/NDF: 259146.6/44



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -456.660+/-3.667 χ^2/NDF:387.5/5

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -481.543+/-4.388 χ^2/NDF:57.3/3

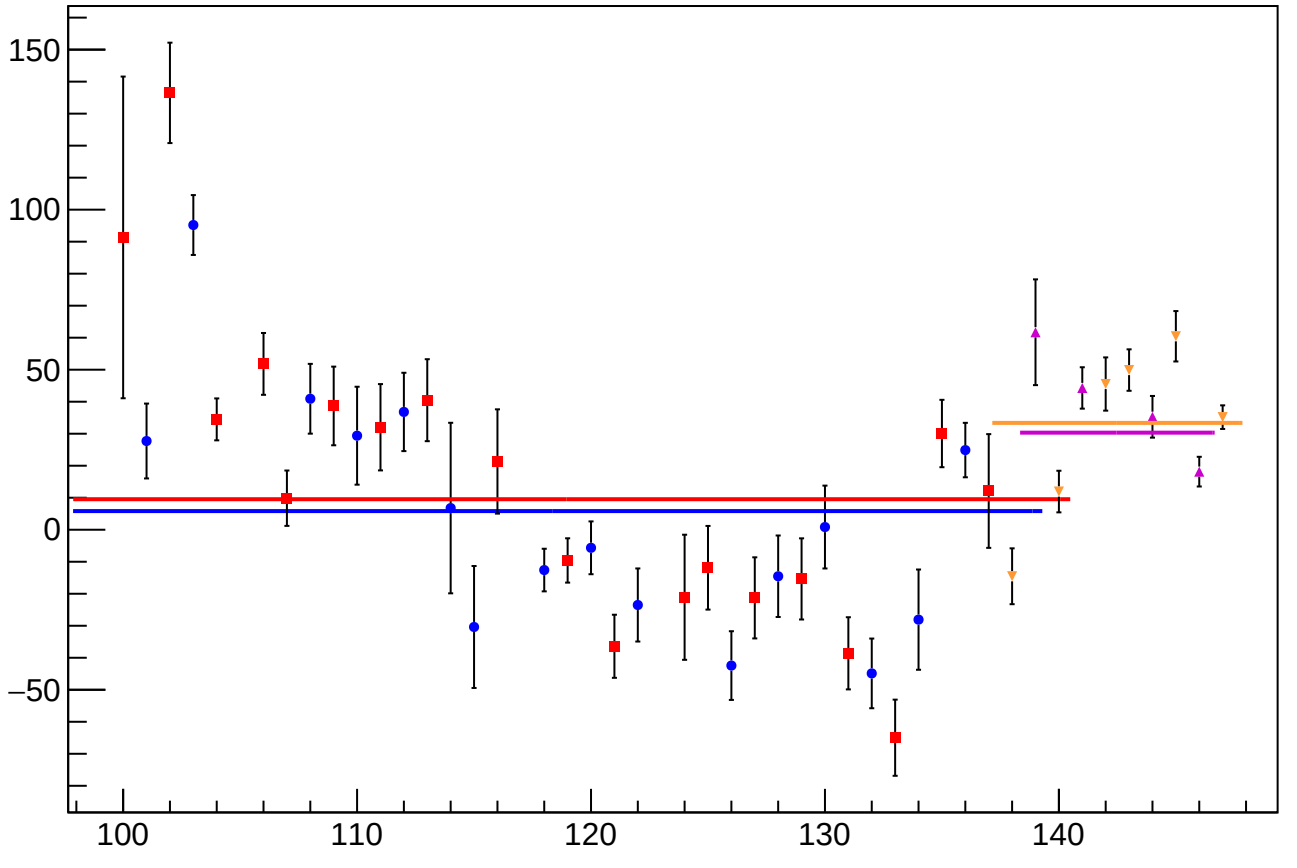
Left: -466.892+/-2.814 χ^2/NDF: 463.7/9

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -452.885+/-2.288 χ^2/NDF:1704.9/19

Out: -429.236+/-2.078 χ^2/NDF:2223.7/24

All: -439.926+/-1.538 χ^2/NDF: 3987.2/44


reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected
150
100
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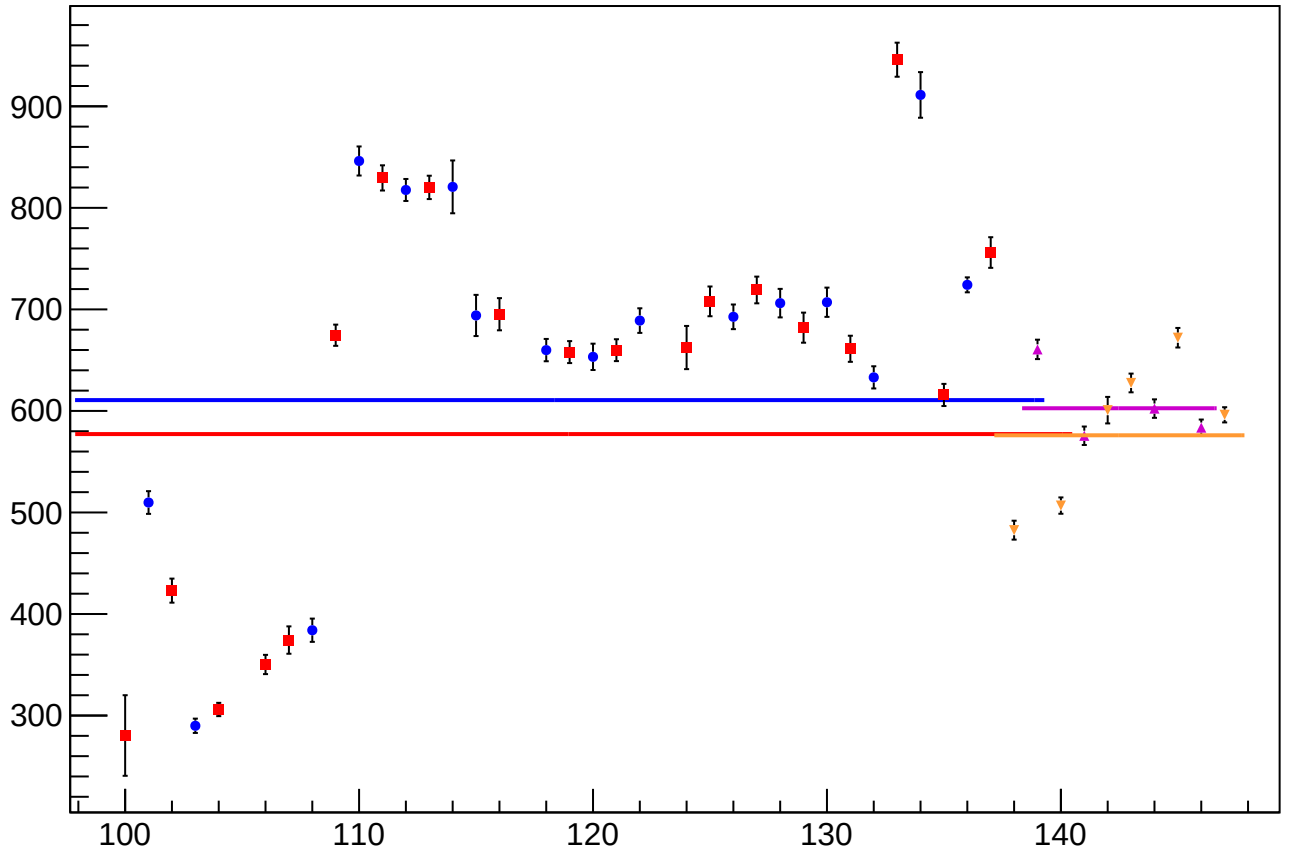
−50
100
110
120
130
140
Right In: 5.824+/-2.728 χ²/NDF: 188.1/15
Left Out: 33.385+/-2.464 χ²/NDF:61.7/5
Right Out: 9.536+/-2.556 χ²/NDF: 222.2/18
Left In: 30.331+/-3.201 χ²/NDF:15.7/3
Left: 32.249+/-1.952 χ²/NDF: 78.0/9
Right: 7.800+/-1.865 χ²/NDF: 411.3/34
In: 16.136+/-2.076 χ²/NDF:237.8/19
Out: 21.900+/-1.774 χ²/NDF:329.0/24
All: 19.468+/-1.349 χ²/NDF: 571.3/44



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 576.010+/-3.695 χ^2/NDF:316.2/5

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 602.635+/-4.429 χ^2/NDF:51.4/3

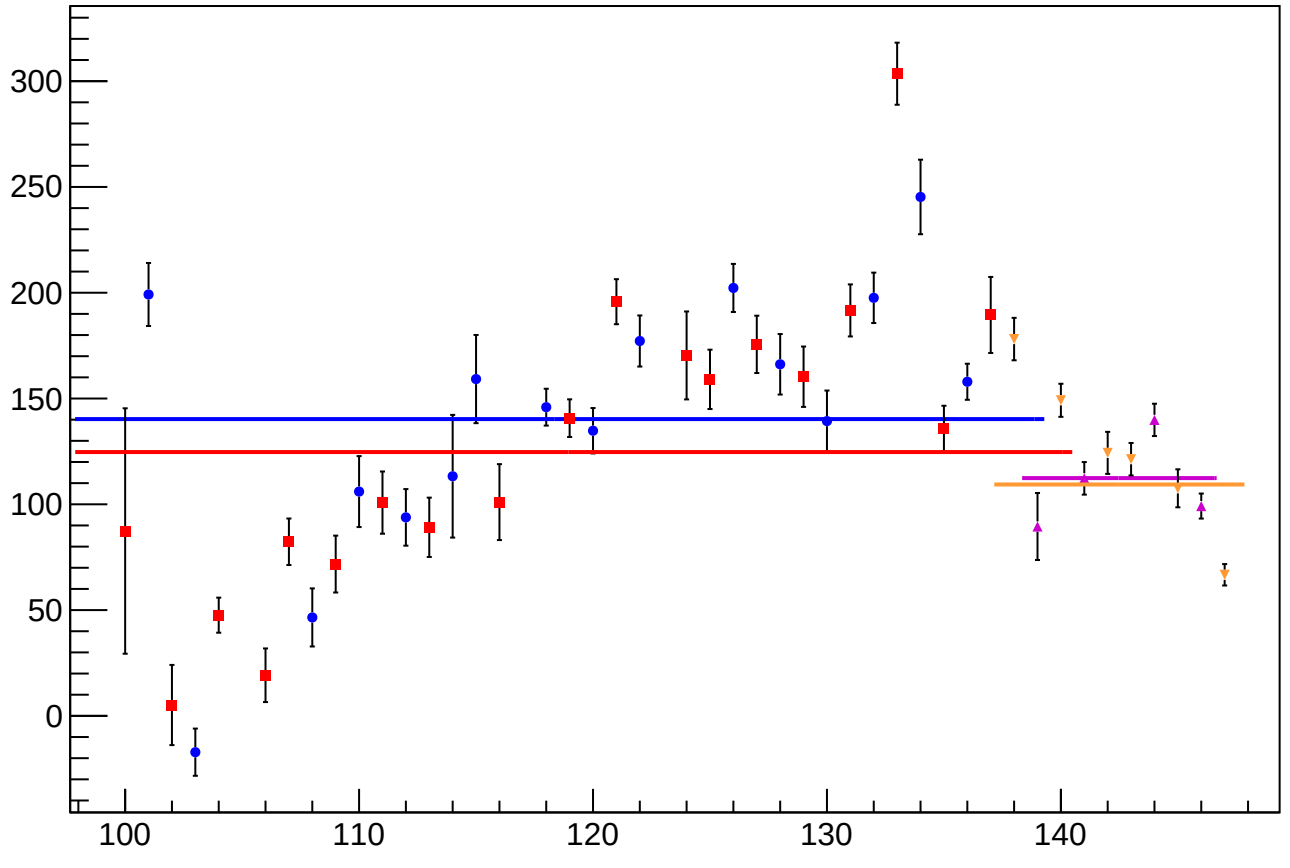
Left: 586.937+/-2.838 χ^2/NDF: 388.9/9

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 608.265+/-2.422 χ^2/NDF:3946.3/19

Out: 576.778+/-2.209 χ^2/NDF:5116.6/24

All: 591.077+/-1.632 χ^2/NDF: 9155.1/44



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 109.368+/-3.088 χ^2/NDF:148.8/5

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 112.386+/-3.875 χ^2/NDF:20.1/3

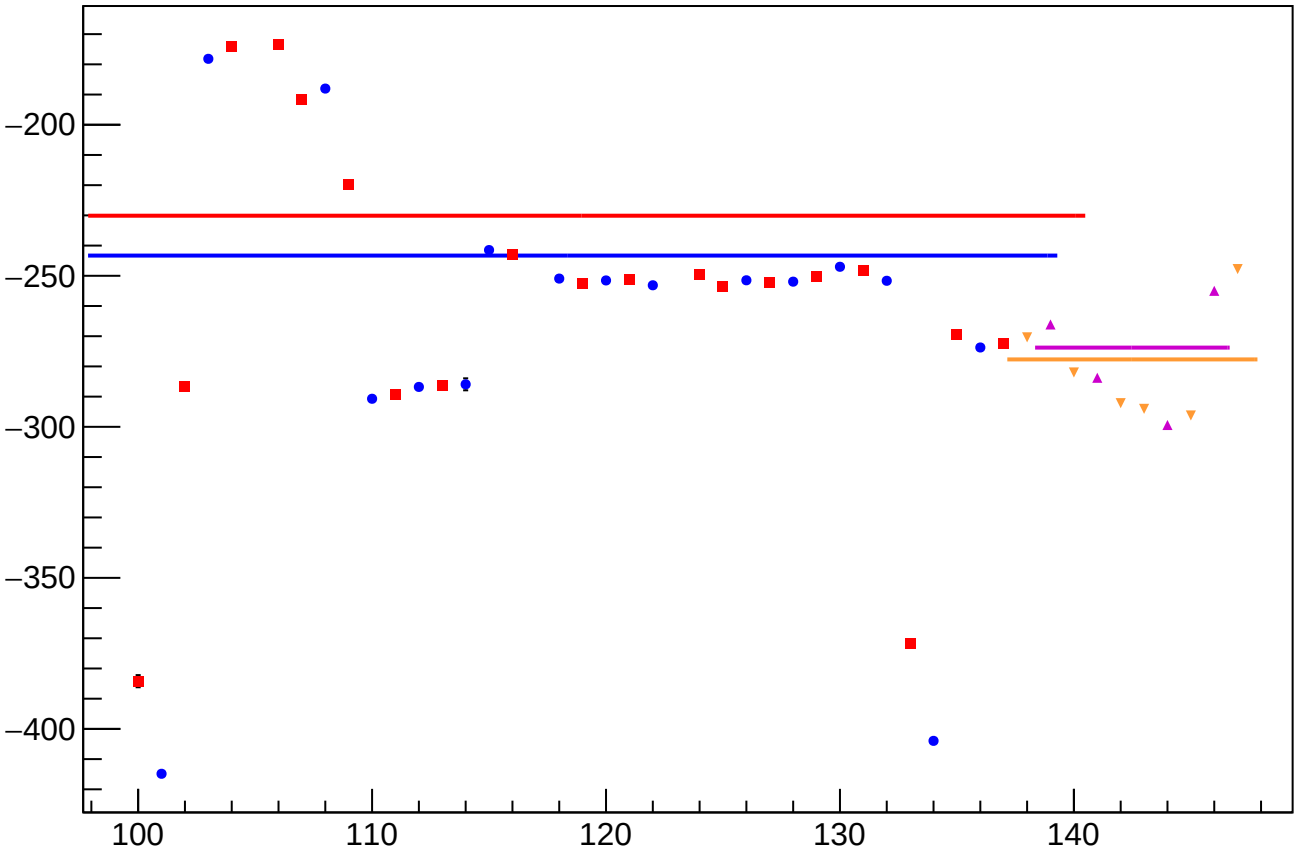
Left: 110.540+/-2.415 χ^2/NDF: 169.2/9

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 129.175+/-2.445 χ^2/NDF:436.6/19

Out: 117.309+/-2.144 χ^2/NDF:670.1/24

All: 122.467+/-1.612 χ^2/NDF: 1120.0/44



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -277.683+/-0.156 χ^2/NDF:13497.5/5

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -273.775+/-0.181 χ^2/NDF:8206.8/3

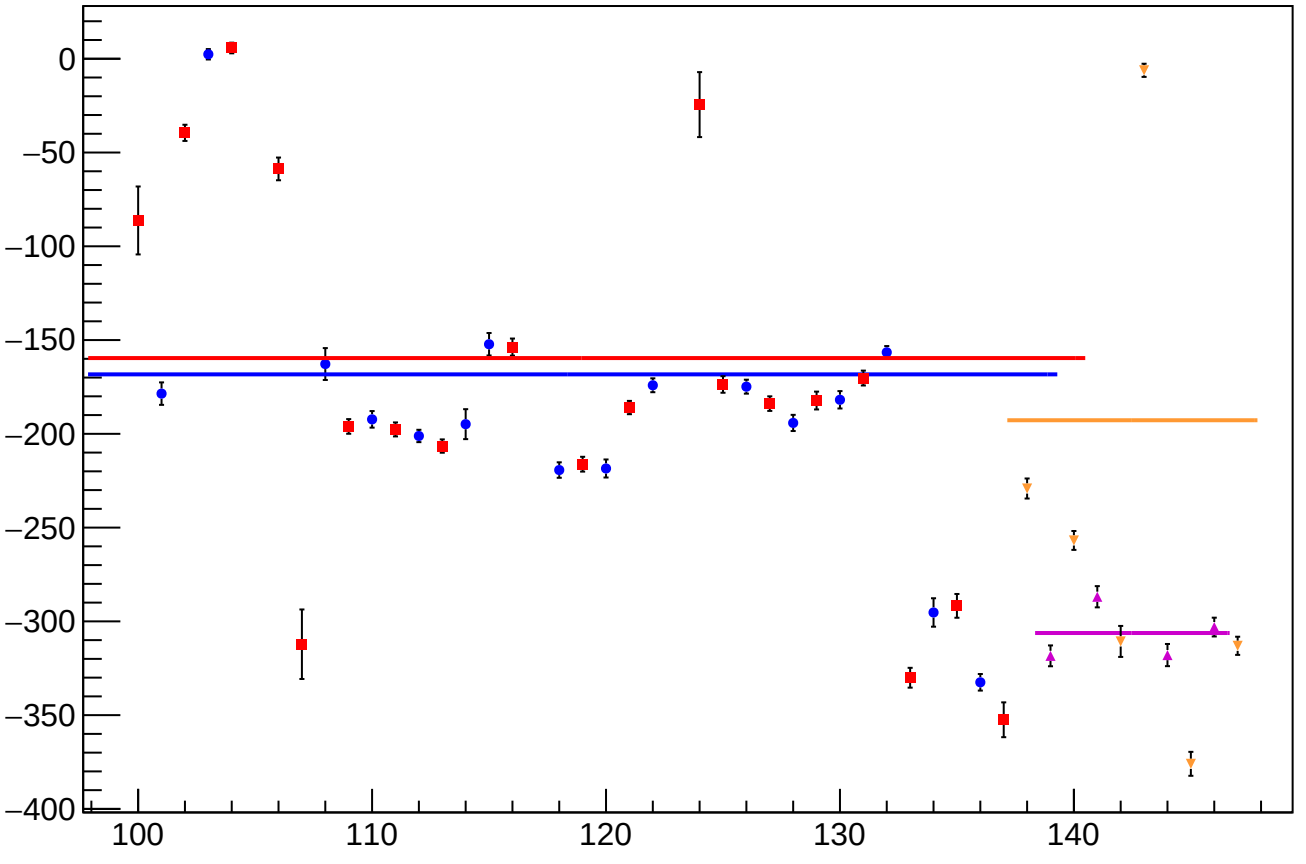
Left: -276.019+/-0.118 χ^2/NDF: 21970.9/9

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -256.868+/-0.121 χ^2/NDF:197337.8/19

Out: -254.071+/-0.111 χ^2/NDF:161981.4/24

All: -255.347+/-0.082 χ^2/NDF: 359609.6/44



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -192.759+/-2.052 χ^2/NDF:4679.0/5

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -306.207+/-2.752 χ^2/NDF:20.8/3

Left: -233.307+/-1.645 χ^2/NDF: 5792.0/9

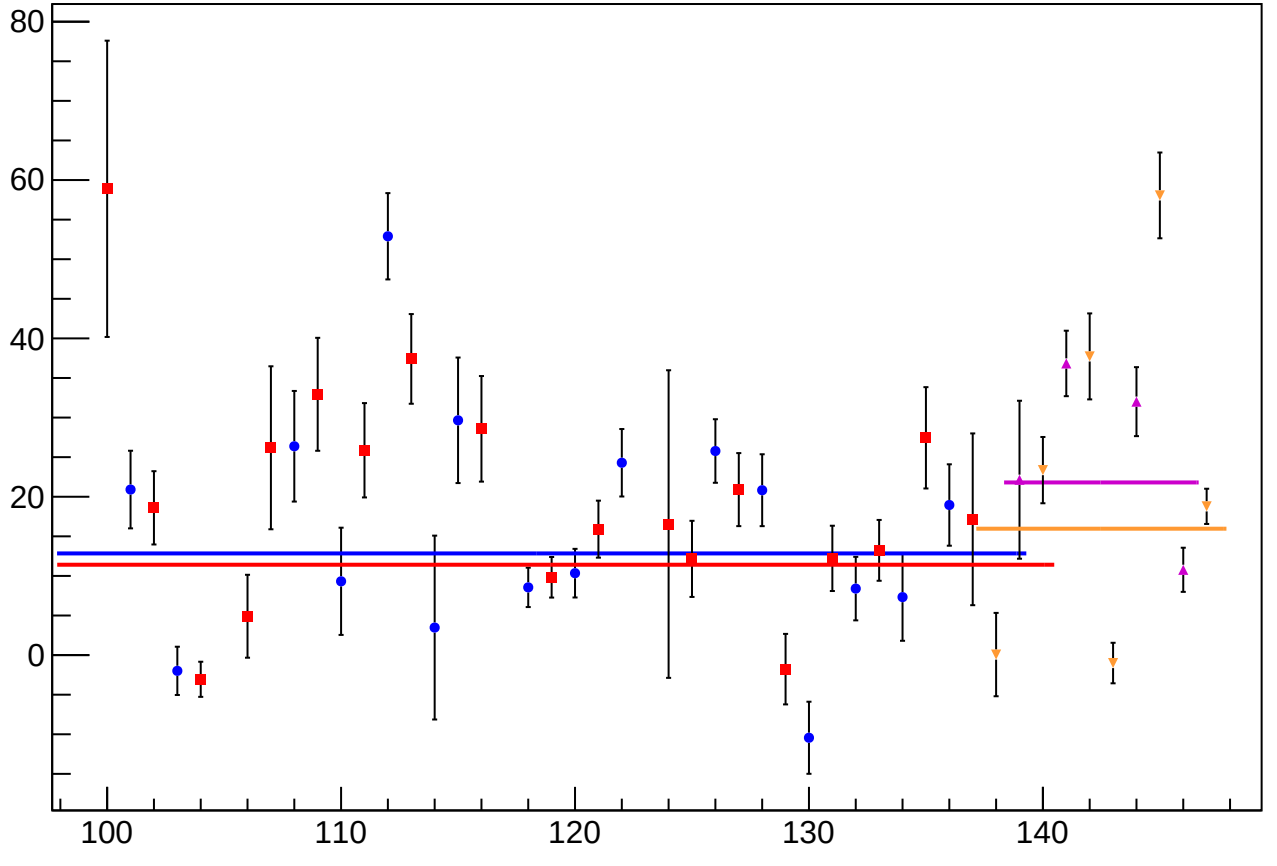
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -186.574+/-1.002 χ^2/NDF:8107.3/19

Out: -166.401+/-0.929 χ^2/NDF:12084.3/24

All: -175.730+/-0.681 χ^2/NDF: 20409.6/44

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 15.965+/-1.392 χ^2/NDF:134.3/5

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 21.806+/-2.000 χ^2/NDF:34.4/3

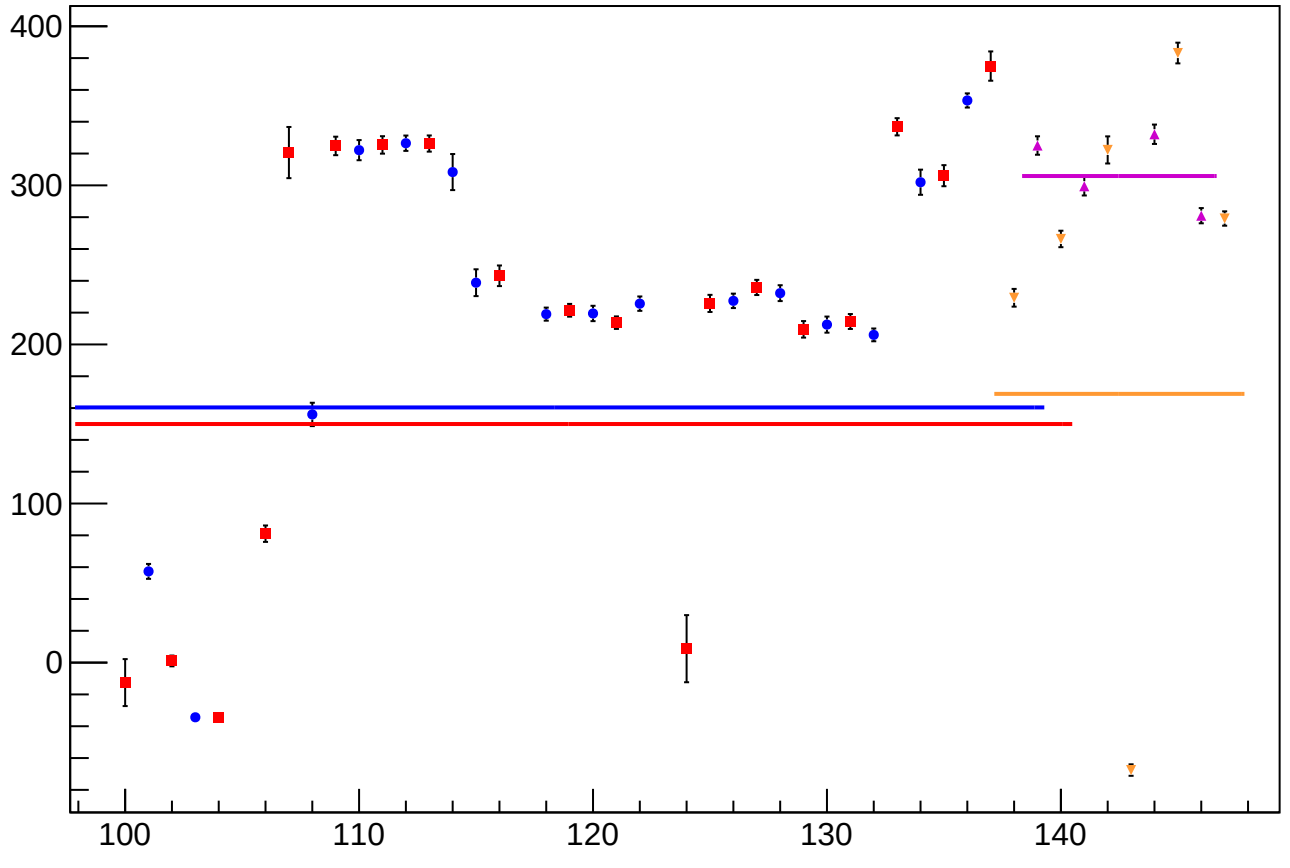
Left: 17.871+/-1.143 χ^2/NDF: 174.4/9

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 14.855+/-0.948 χ^2/NDF:193.7/19

Out: 13.034+/-0.831 χ^2/NDF:260.7/24

All: 13.826+/-0.625 χ^2/NDF: 456.4/44



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 168.926+/-2.074 χ^2/NDF:6765.3/5

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 305.870+/-2.773 χ^2/NDF:57.9/3

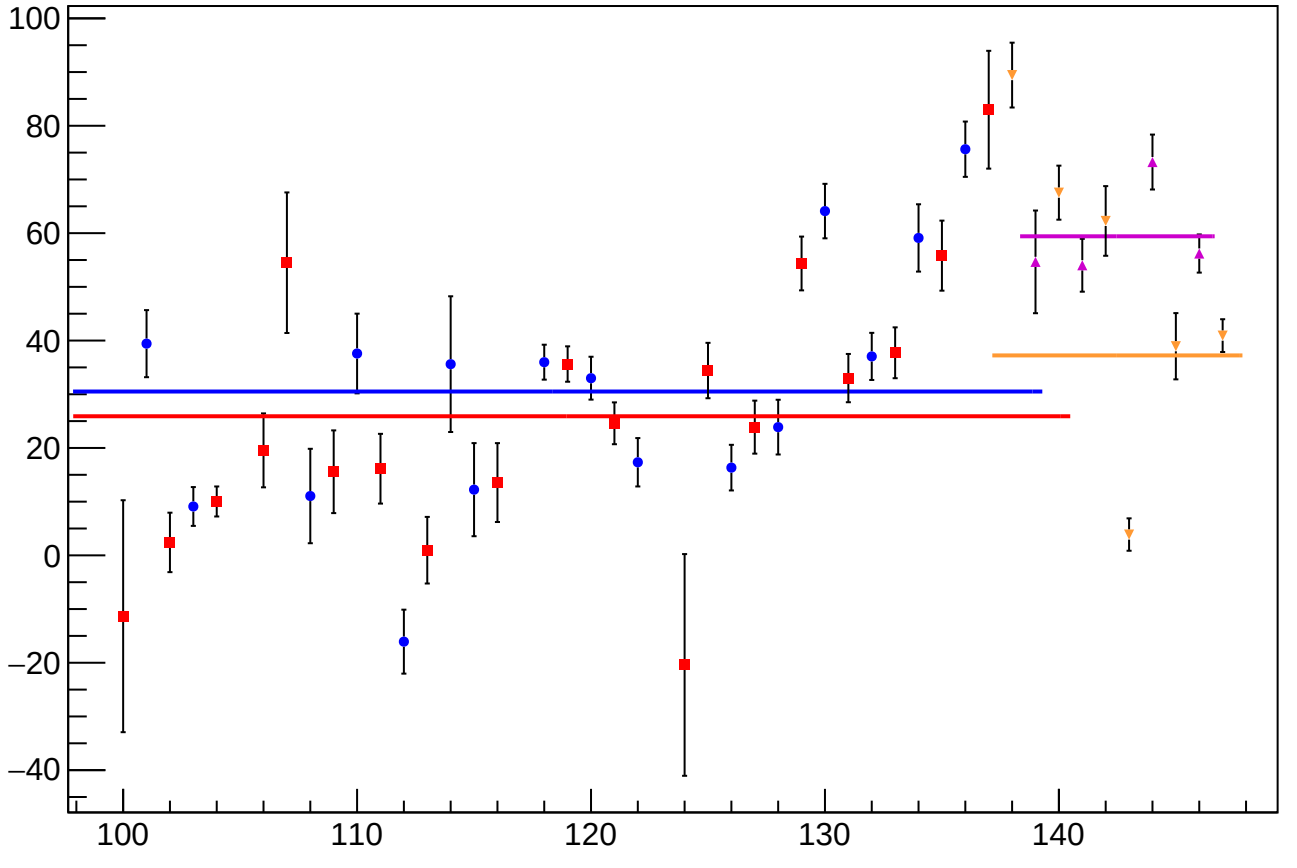
Left: 218.033+/-1.661 χ^2/NDF: 8387.3/9

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 181.403+/-1.054 χ^2/NDF:16361.9/19

Out: 154.176+/-0.976 χ^2/NDF:23095.5/24

All: 166.755+/-0.716 χ^2/NDF: 39816.7/44



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 37.233+/-1.730 χ^2/NDF:249.8/5

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 59.416+/-2.428 χ^2/NDF:9.6/3

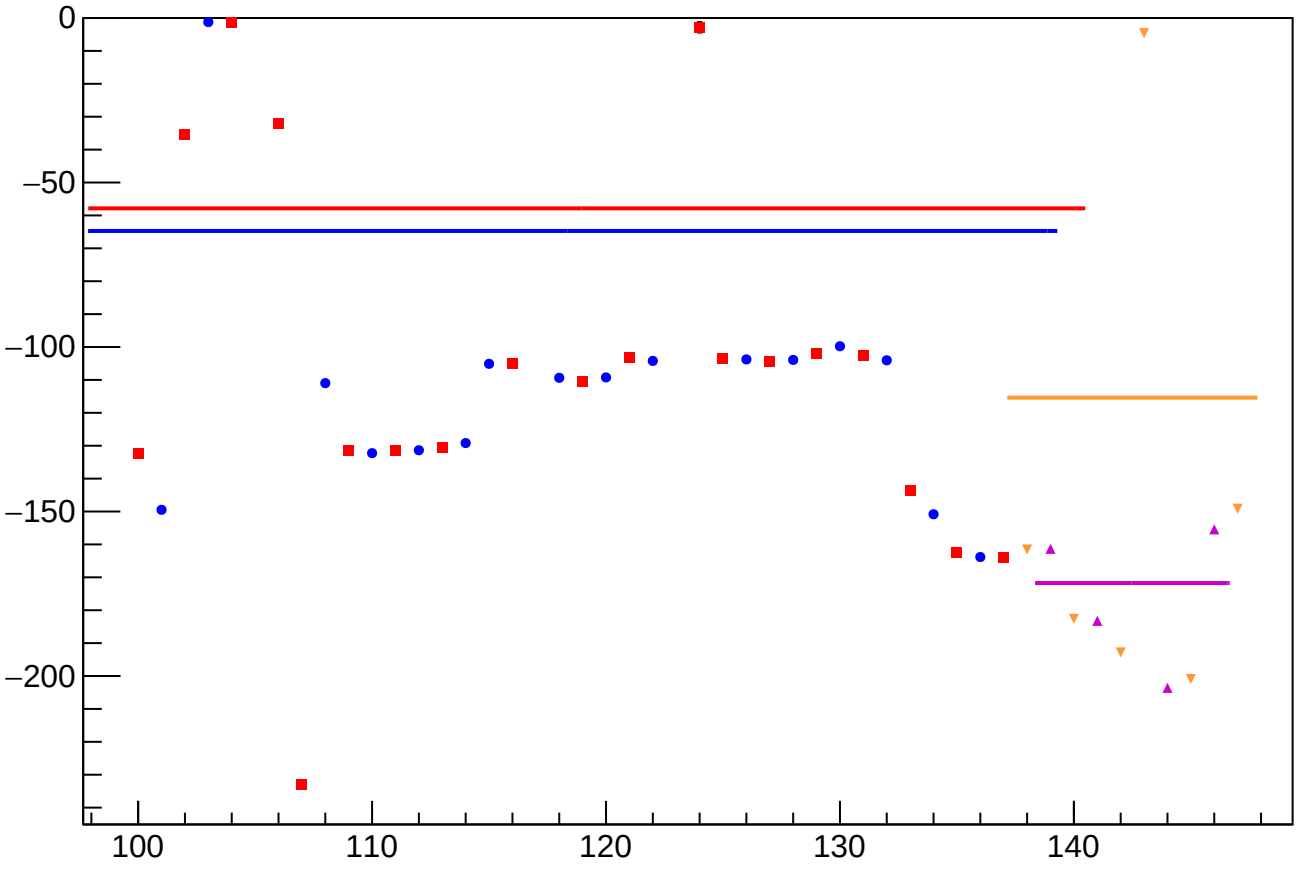
Left: 44.701+/-1.409 χ^2/NDF: 314.7/9

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 36.600+/-1.115 χ^2/NDF:398.4/19

Out: 29.638+/-0.993 χ^2/NDF:466.3/24

All: 32.719+/-0.742 χ^2/NDF: 886.4/44



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -115.387+/-0.087 χ^2/NDF:861267.9/5

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -171.728+/-0.113 χ^2/NDF:24762.7/3

Left: -136.420+/-0.069 χ^2/NDF: 1041522.7/9

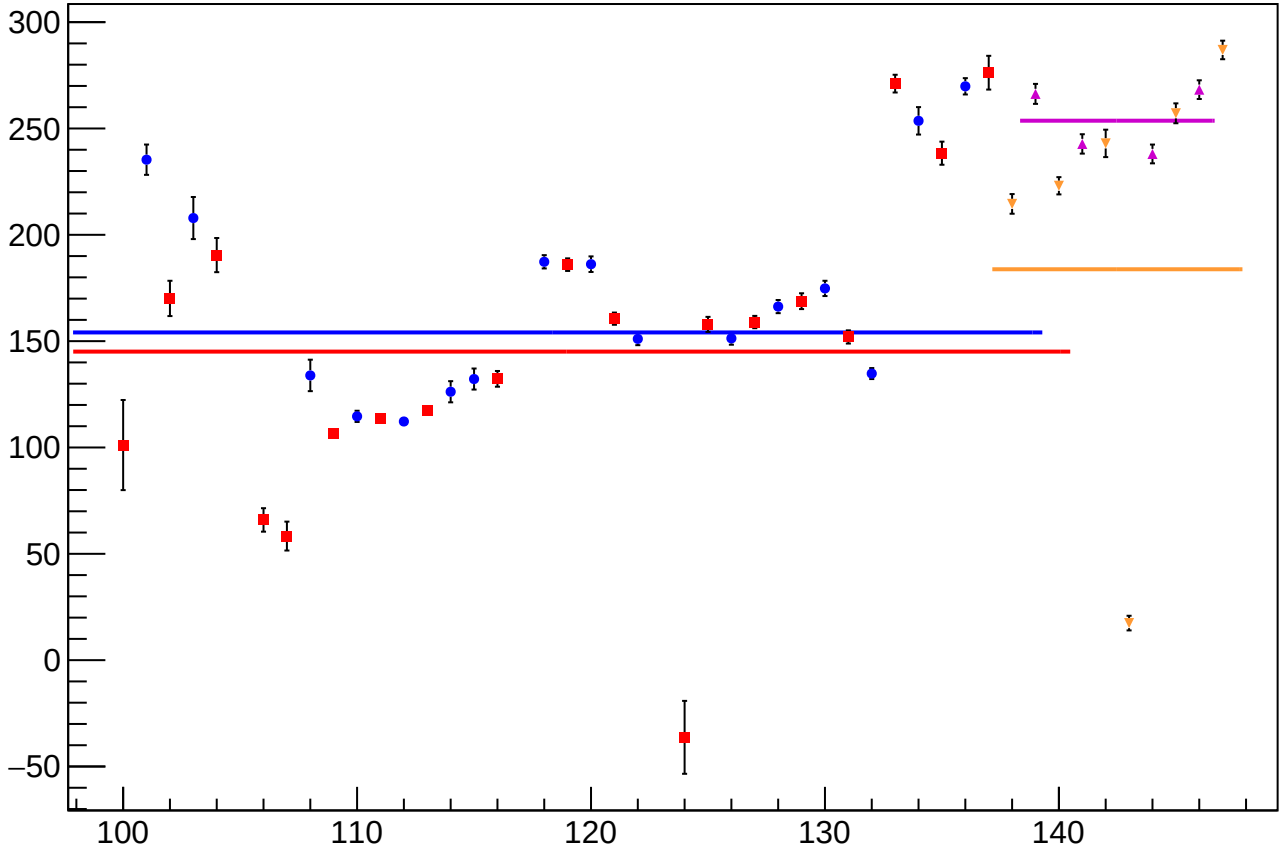
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -90.548+/-0.056 χ^2/NDF:1748175.2/19

Out: -77.206+/-0.051 χ^2/NDF:2025294.4/24

All: -83.259+/-0.037 χ^2/NDF: 3804973.2/44

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 183.804+/-1.784 χ^2/NDF:3359.4/5

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 253.655+/-2.256 χ^2/NDF:36.5/3

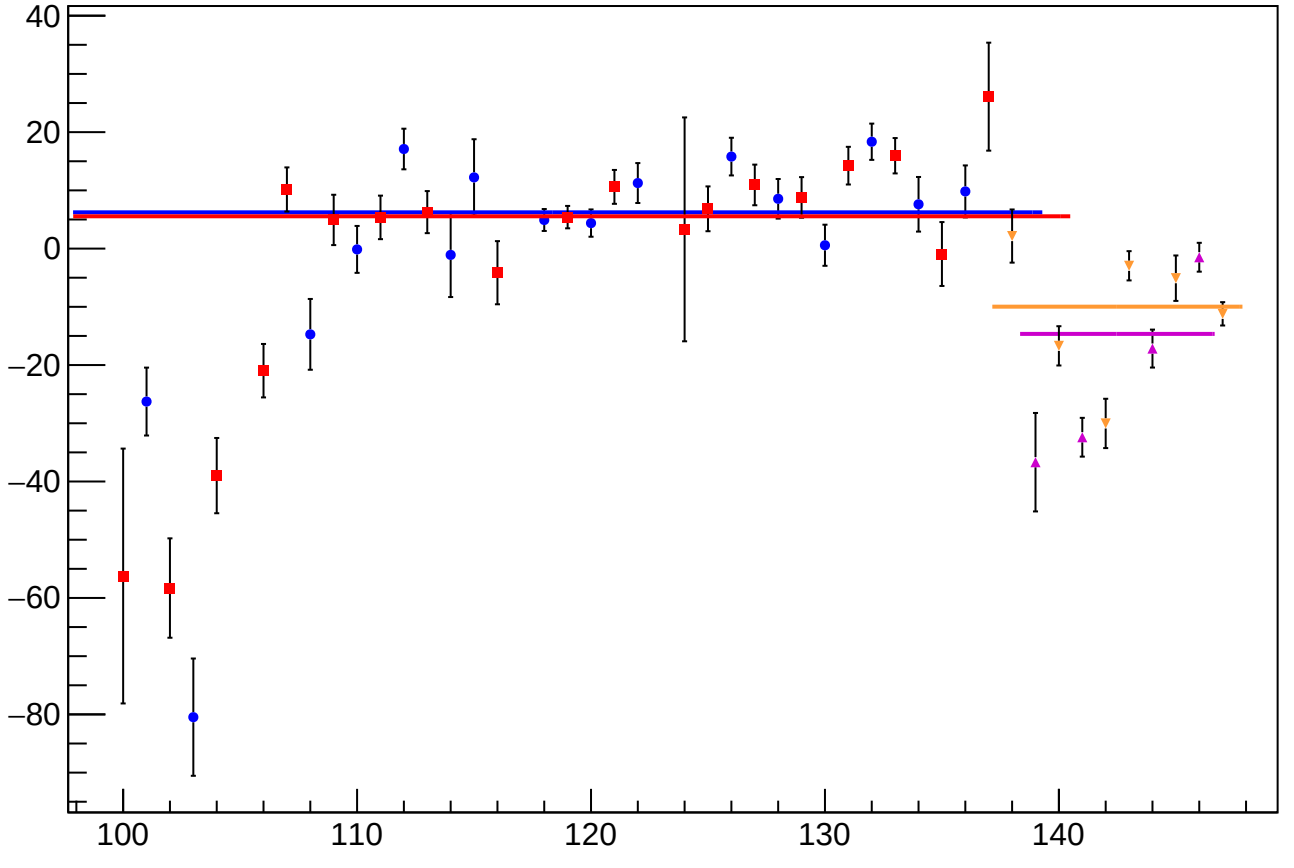
Left: 210.688+/-1.399 χ^2/NDF: 3985.7/9

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 166.965+/-0.811 χ^2/NDF:4013.9/19

Out: 151.917+/-0.750 χ^2/NDF:6705.6/24

All: 158.850+/-0.550 χ^2/NDF: 10905.1/44



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -9.973+/-1.227 χ^2/NDF:43.2/5

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -14.651+/-1.664 χ^2/NDF:64.0/3

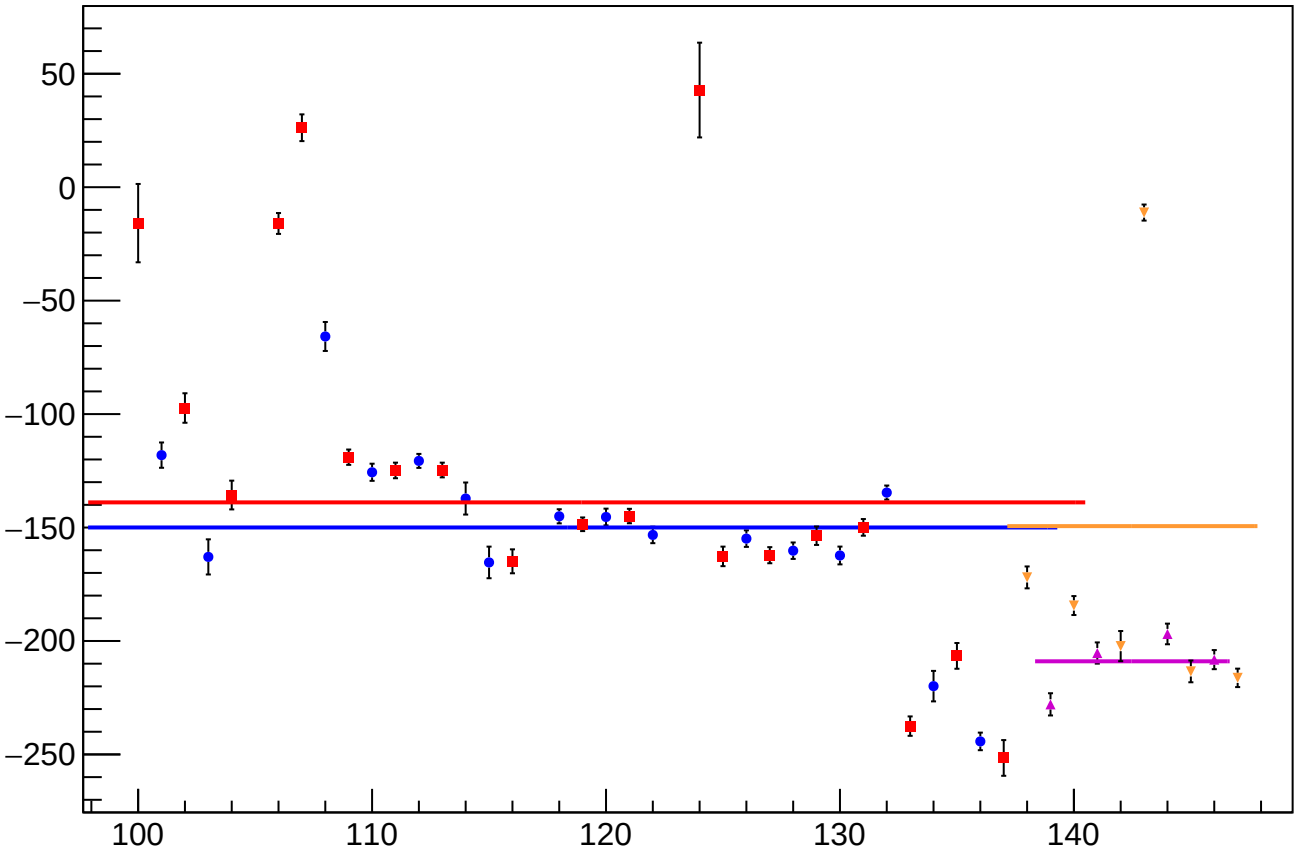
Left: -11.621+/-0.987 χ^2/NDF: 112.4/9

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 1.583+/-0.785 χ^2/NDF:348.5/19

Out: 0.201+/-0.720 χ^2/NDF:329.3/24

All: 0.833+/-0.531 χ^2/NDF: 679.5/44



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -149.378+/-1.806 χ^2/NDF:2125.4/5

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -208.955+/-2.280 χ^2/NDF:22.7/3

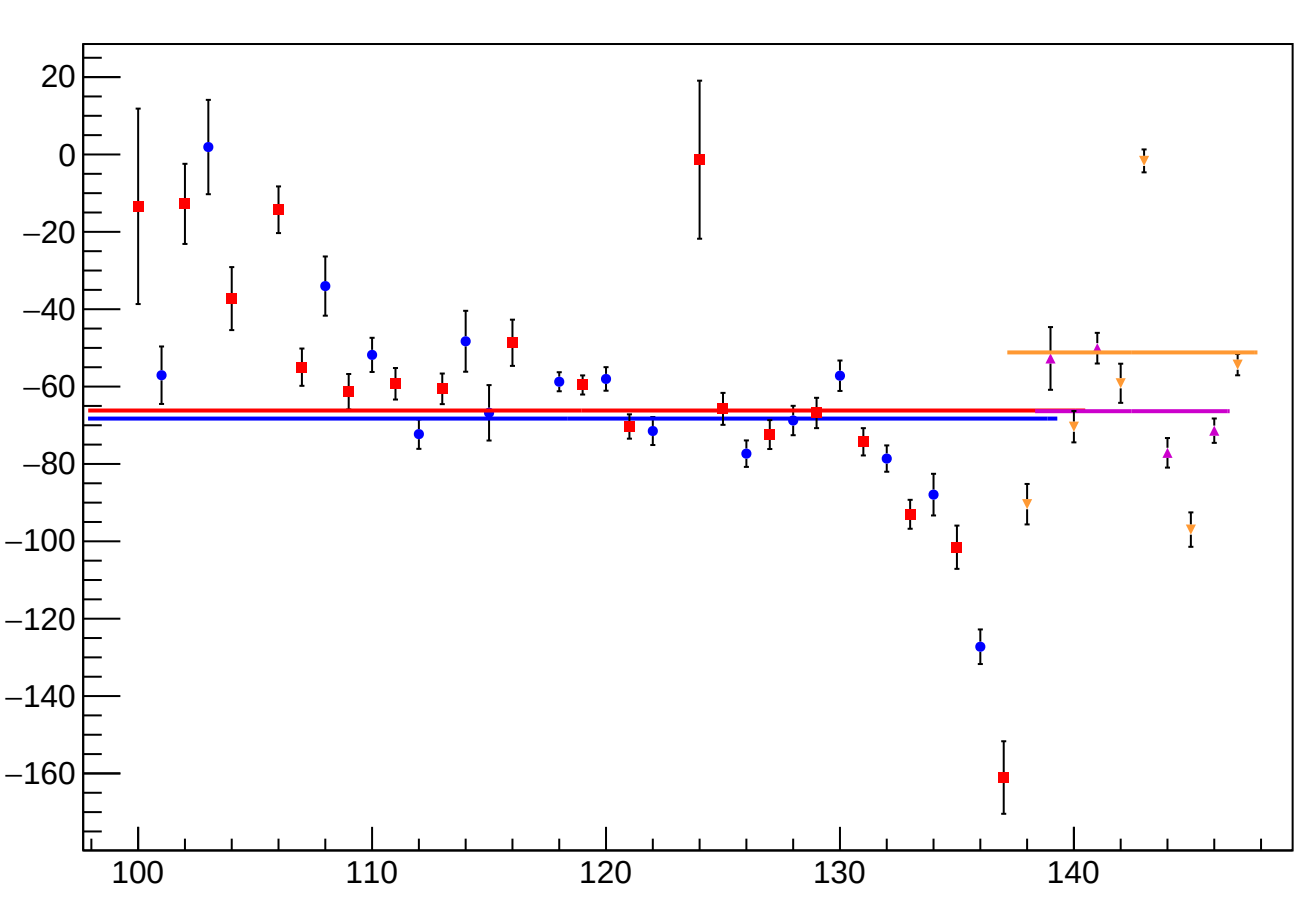
Left: -172.342+/-1.416 χ^2/NDF: 2567.6/9

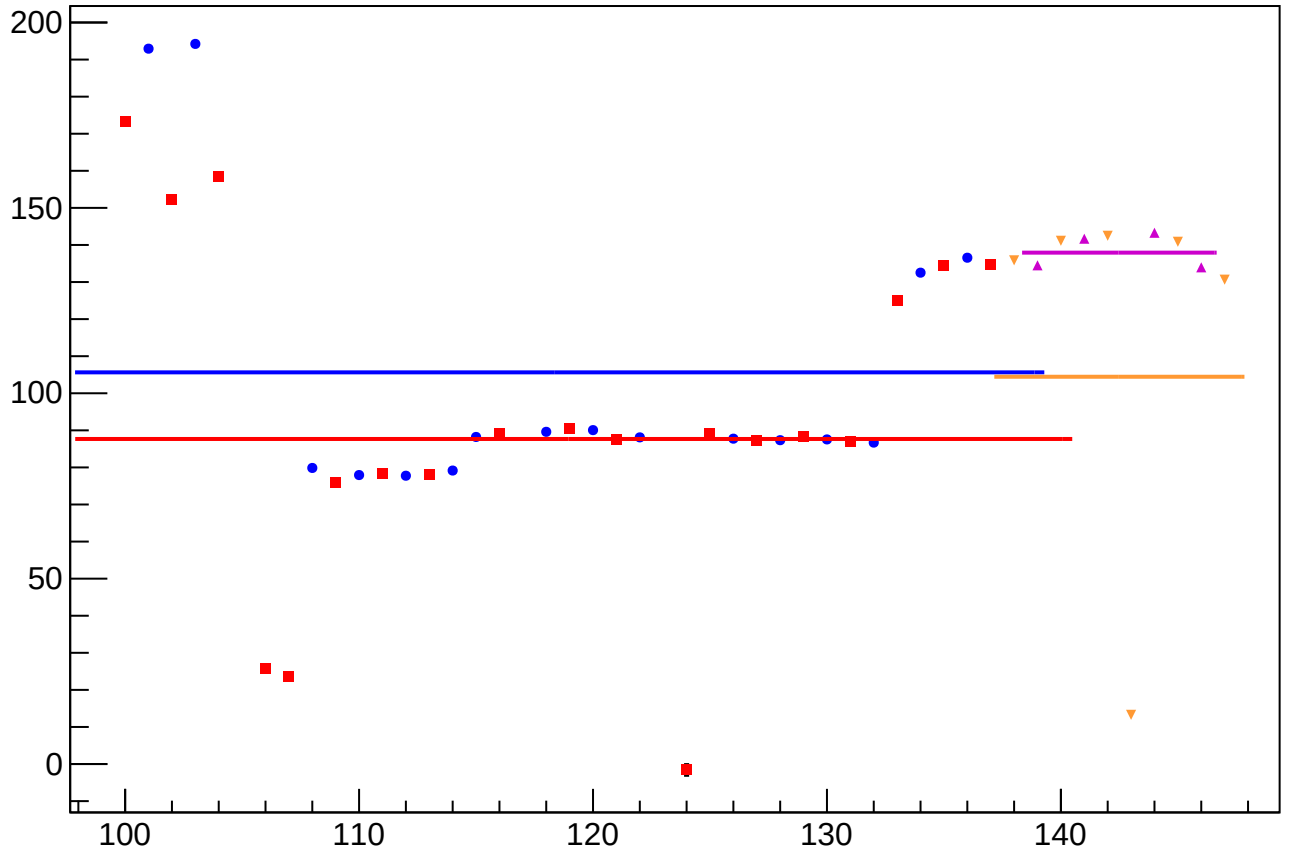
Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -159.895+/-0.935 χ^2/NDF:1678.7/19

Out: -141.344+/-0.870 χ^2/NDF:4902.1/24

All: -149.953+/-0.637 χ^2/NDF: 6791.5/44


reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
Right In: -68.272+/-1.033 χ²/NDF: 315.4/15
Left Out: -51.170+/-1.519 χ²/NDF:467.8/5
Right Out: -66.186+/-1.024 χ²/NDF: 358.3/18
Left In: -66.361+/-2.007 χ²/NDF:30.2/3
Left: -56.703+/-1.211 χ²/NDF: 534.5/9
Right: -67.219+/-0.727 χ²/NDF: 675.8/34
In: -67.871+/-0.919 χ²/NDF:346.3/19
Out: -61.496+/-0.849 χ²/NDF:893.3/24
All: -64.433+/-0.624 χ²/NDF: 1265.6/44



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 104.457+/-0.076 χ^2/NDF:526621.0/5

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 137.928+/-0.093 χ^2/NDF:1941.3/3

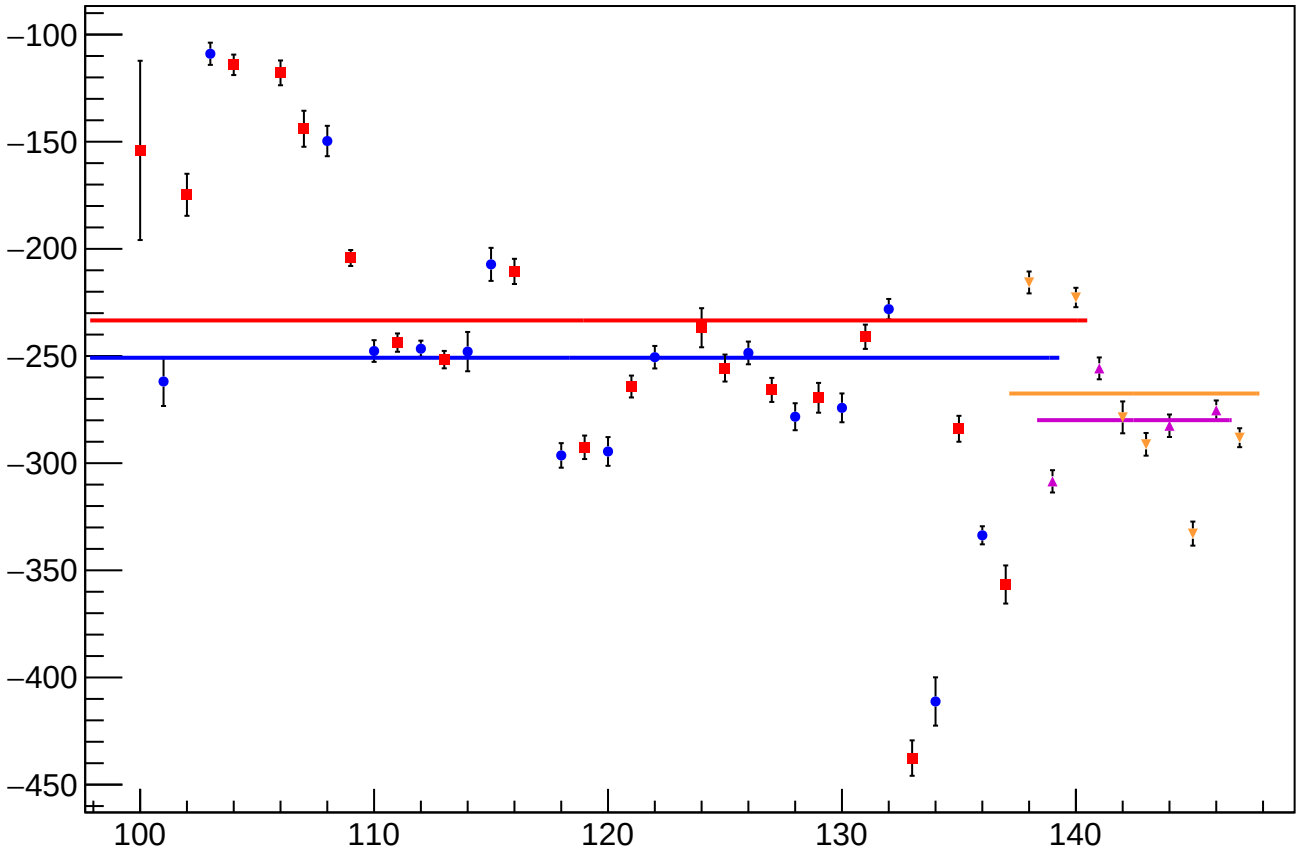
Left: 117.772+/-0.059 χ^2/NDF: 605878.4/9

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 117.427+/-0.056 χ^2/NDF:317413.7/19

Out: 94.851+/-0.050 χ^2/NDF:929052.6/24

All: 104.700+/-0.037 χ^2/NDF: 1336669.2/44



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -267.497+/-2.113 χ^2/NDF:380.7/5

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -279.929+/-2.506 χ^2/NDF:53.8/3

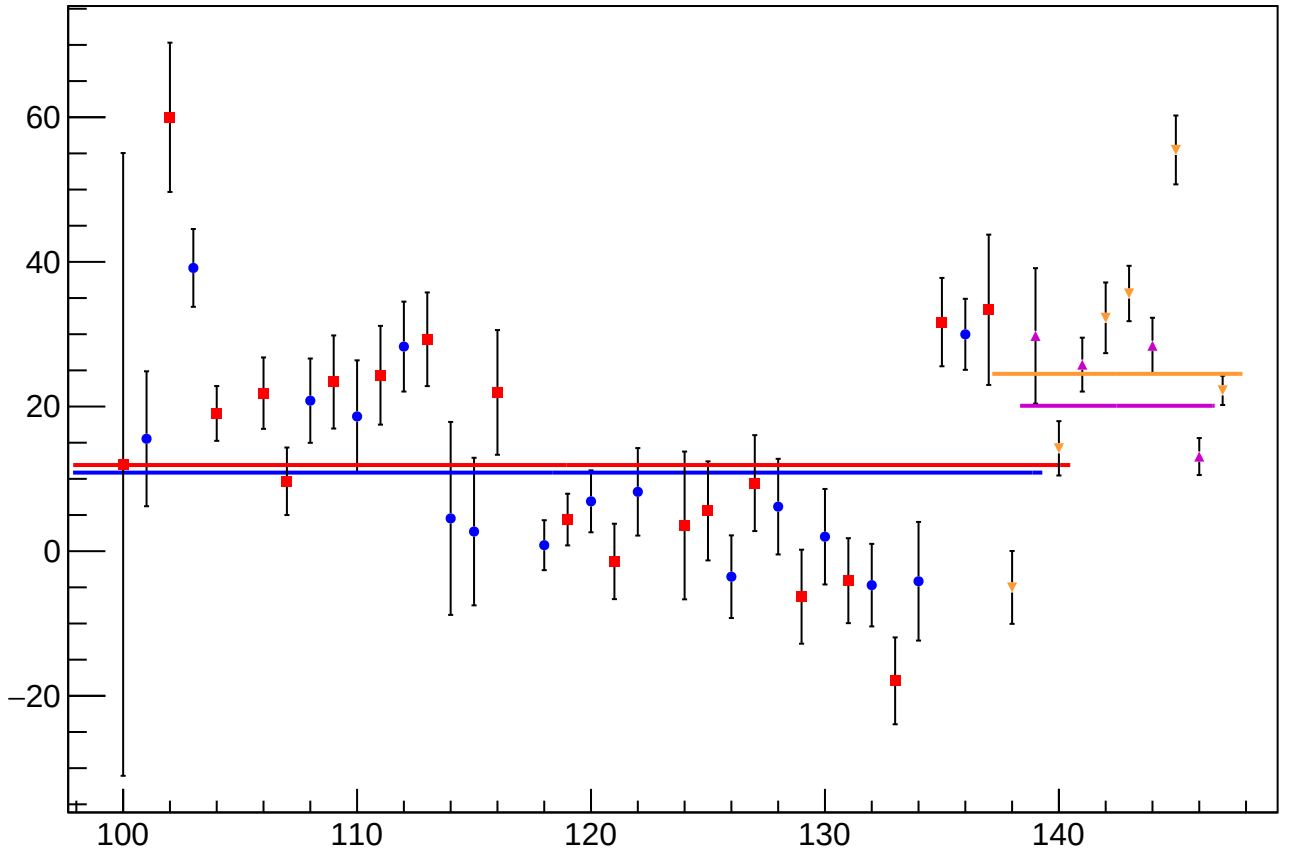
Left: -272.662+/-1.615 χ^2/NDF: 449.0/9

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -258.025+/-1.247 χ^2/NDF:1891.0/19

Out: -243.106+/-1.128 χ^2/NDF:2945.5/24

All: -249.815+/-0.836 χ^2/NDF: 4915.3/44



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 24.521+/-1.404 χ^2/NDF:96.4/5

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 20.106+/-1.815 χ^2/NDF:15.5/3

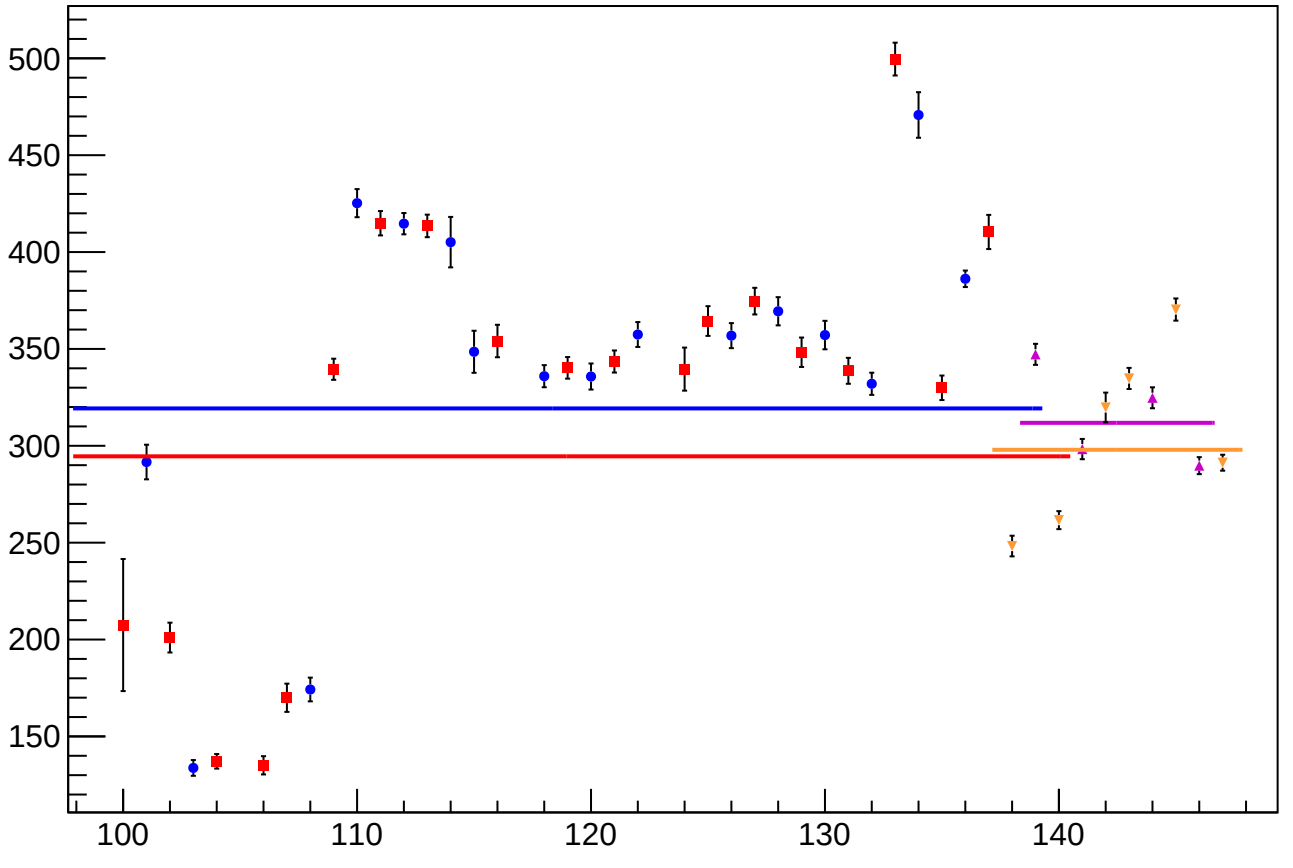
Left: 22.868+/-1.111 χ^2/NDF: 115.6/9

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 14.526+/-1.143 χ^2/NDF:115.9/19

Out: 18.050+/-0.980 χ^2/NDF:249.7/24

All: 16.557+/-0.744 χ^2/NDF: 371.0/44



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 297.943+/-2.124 χ^2/NDF:364.2/5

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 311.855+/-2.526 χ^2/NDF:80.3/3

Left: 303.706+/-1.626 χ^2/NDF: 462.2/9

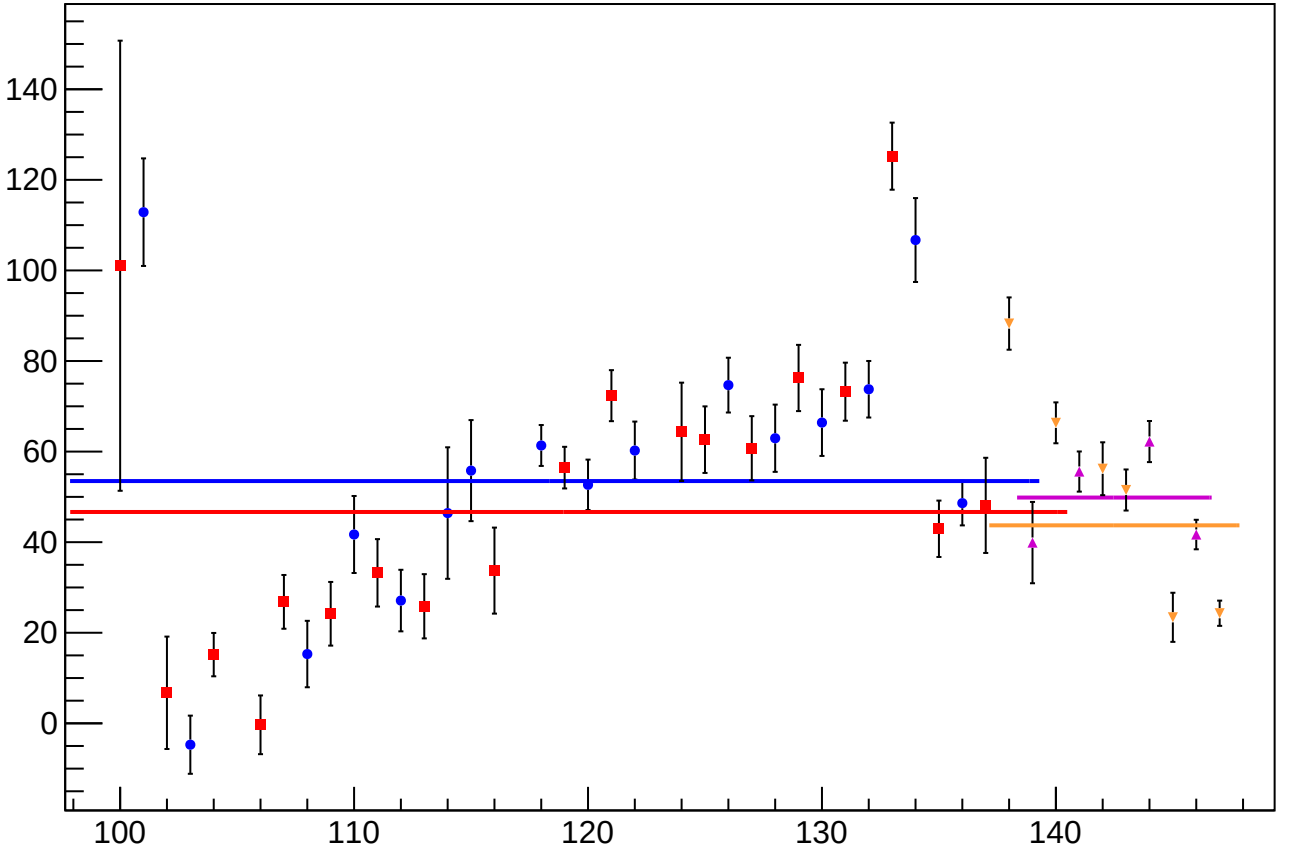
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 317.190+/-1.343 χ^2/NDF:3879.4/19

Out: 295.672+/-1.215 χ^2/NDF:5869.1/24

All: 305.356+/-0.901 χ^2/NDF: 9889.6/44

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 43.716+/-1.768 χ^2/NDF:154.8/5

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 49.851+/-2.203 χ^2/NDF:16.6/3

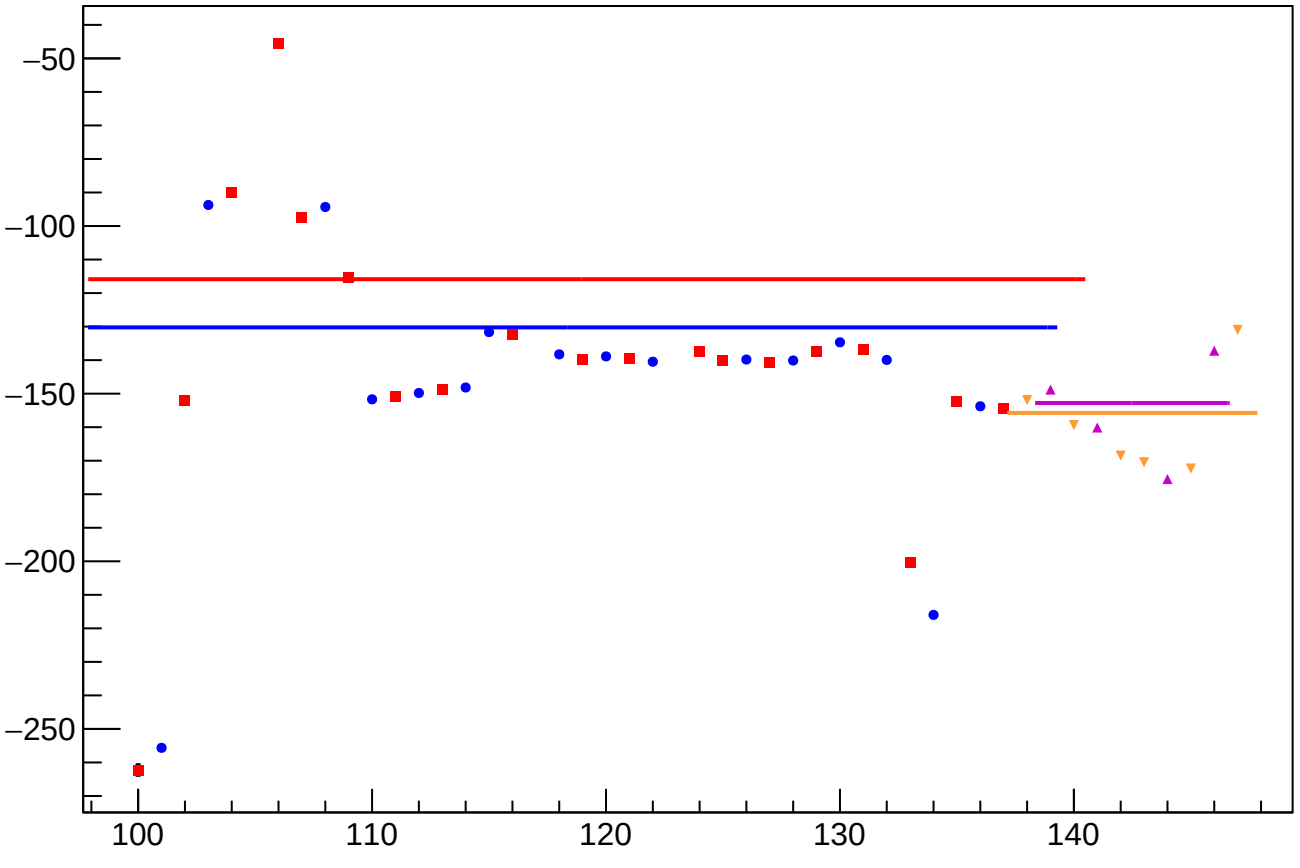
Left: 46.119+/-1.379 χ^2/NDF: 176.1/9

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 52.136+/-1.345 χ^2/NDF:235.5/19

Out: 45.344+/-1.184 χ^2/NDF:481.9/24

All: 48.307+/-0.889 χ^2/NDF: 731.9/44



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -155.748+/-0.090 χ^2/NDF:30103.6/5

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -152.781+/-0.103 χ^2/NDF:17212.3/3

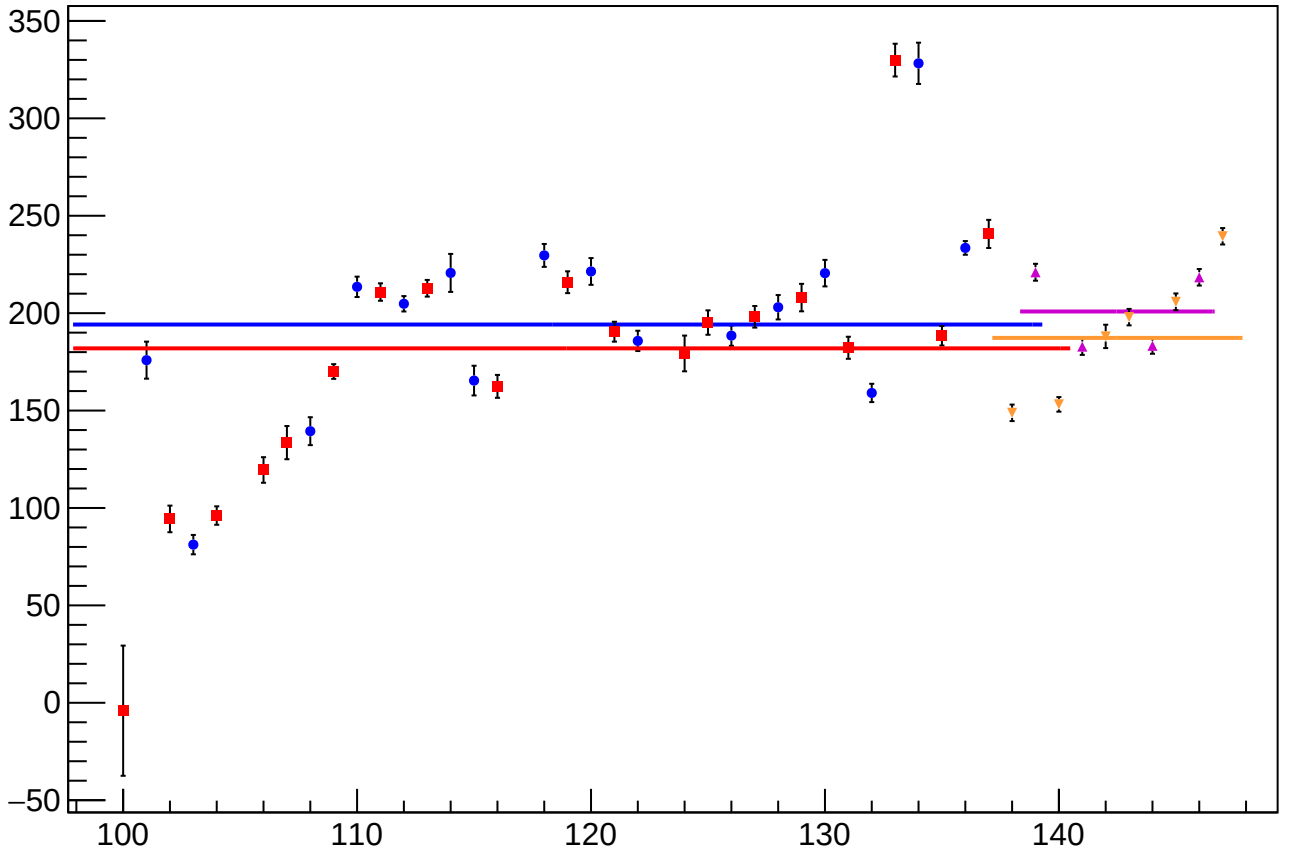
Left: -154.470+/-0.068 χ^2/NDF: 47785.0/9

Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -140.092+/-0.068 χ^2/NDF:218205.2/19

Out: -134.864+/-0.062 χ^2/NDF:339126.5/24

All: -137.226+/-0.046 χ^2/NDF: 560540.7/44



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 187.297+/-1.764 χ^2/NDF:343.7/5

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 200.855+/-2.113 χ^2/NDF:75.2/3

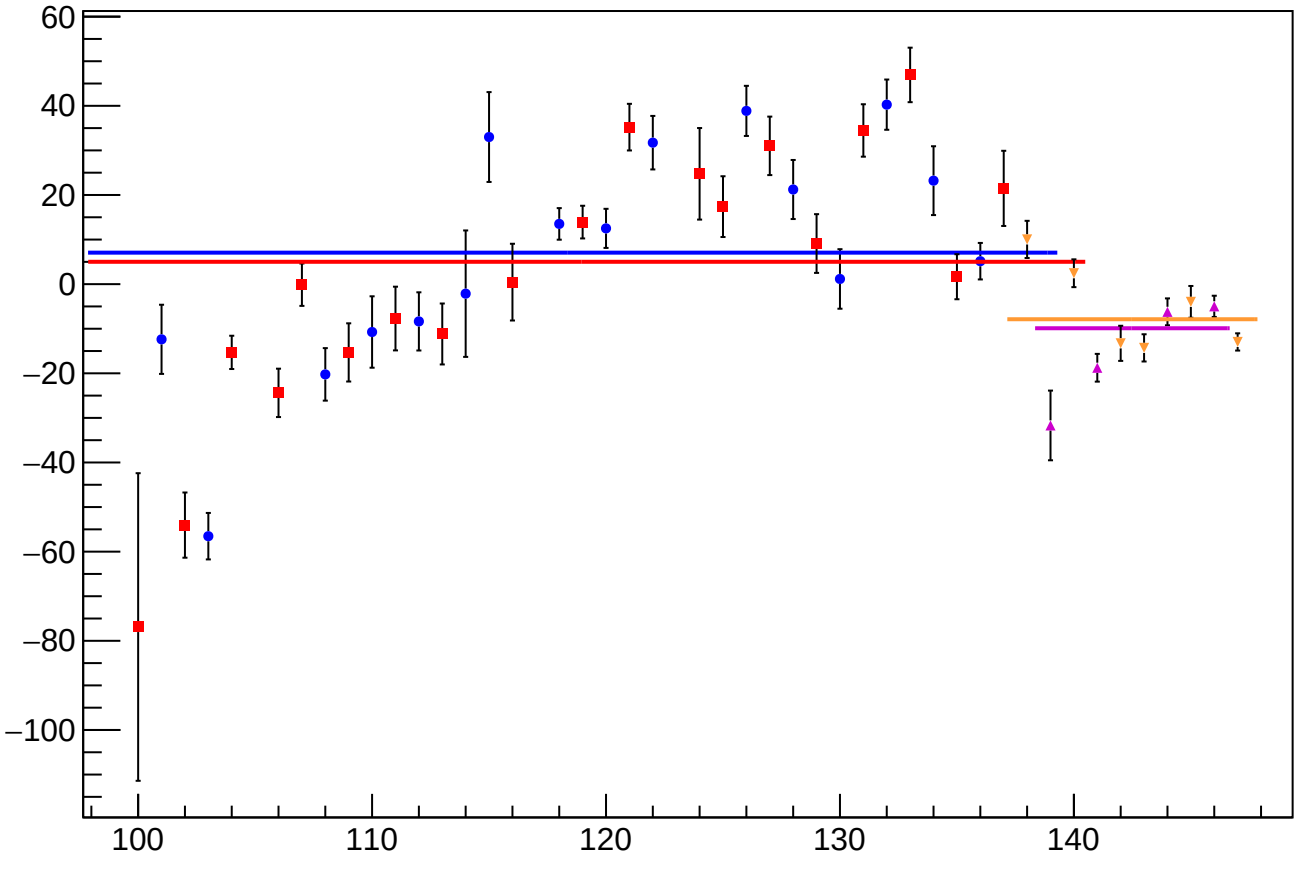
Left: 192.865+/-1.354 χ^2/NDF: 443.1/9

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 196.218+/-1.171 χ^2/NDF:1117.3/19

Out: 183.858+/-1.058 χ^2/NDF:1554.4/24

All: 189.413+/-0.785 χ^2/NDF: 2733.1/44



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -7.871+/-1.214 χ^2/NDF:43.8/5

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -9.893+/-1.570 χ^2/NDF:21.6/3

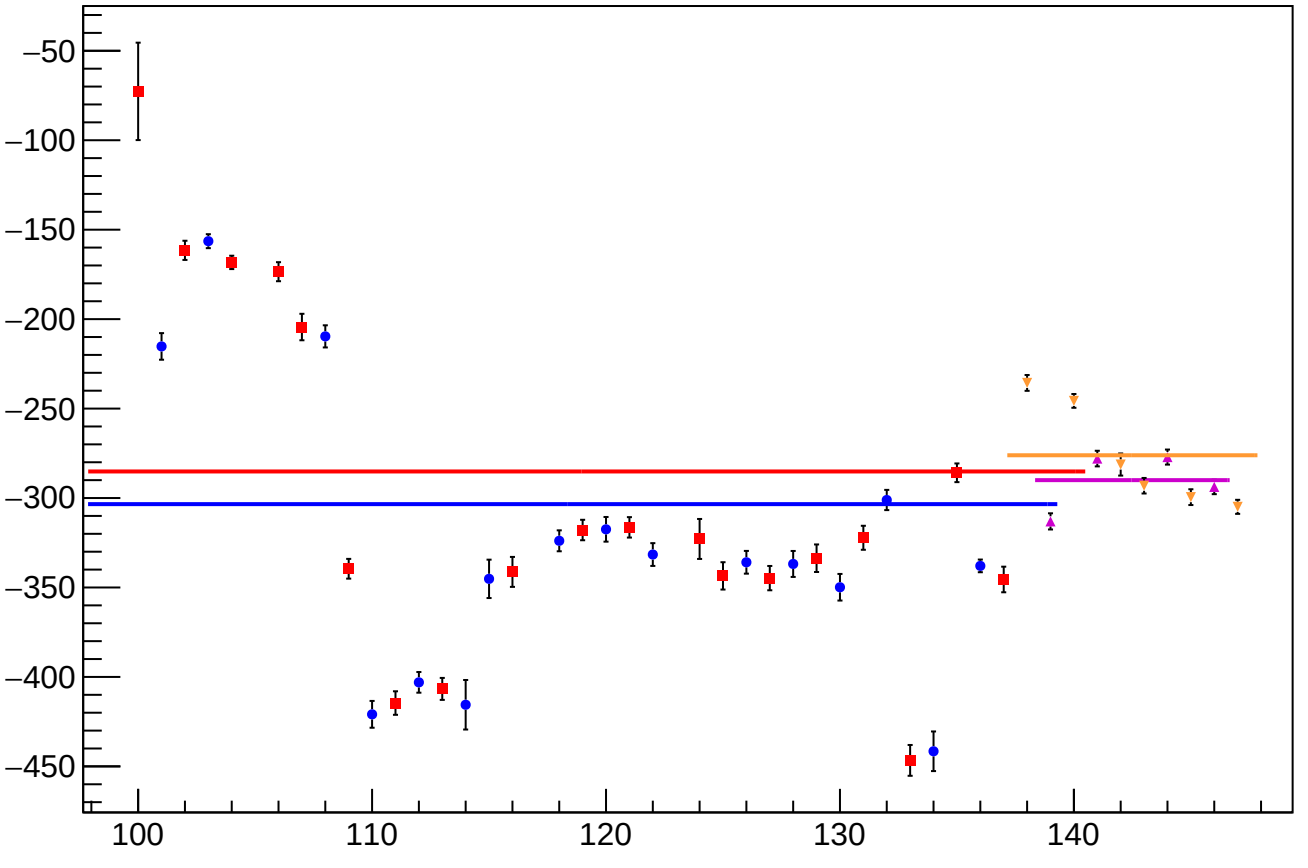
Left: -8.628+/-0.960 χ^2/NDF: 66.5/9

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -0.700+/-1.062 χ^2/NDF:377.5/19

Out: -2.131+/-0.904 χ^2/NDF:382.5/24

All: -1.530+/-0.689 χ^2/NDF: 761.1/44



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -276.092+/-1.785 χ^2/NDF:243.9/5

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -289.997+/-2.139 χ^2/NDF:43.9/3

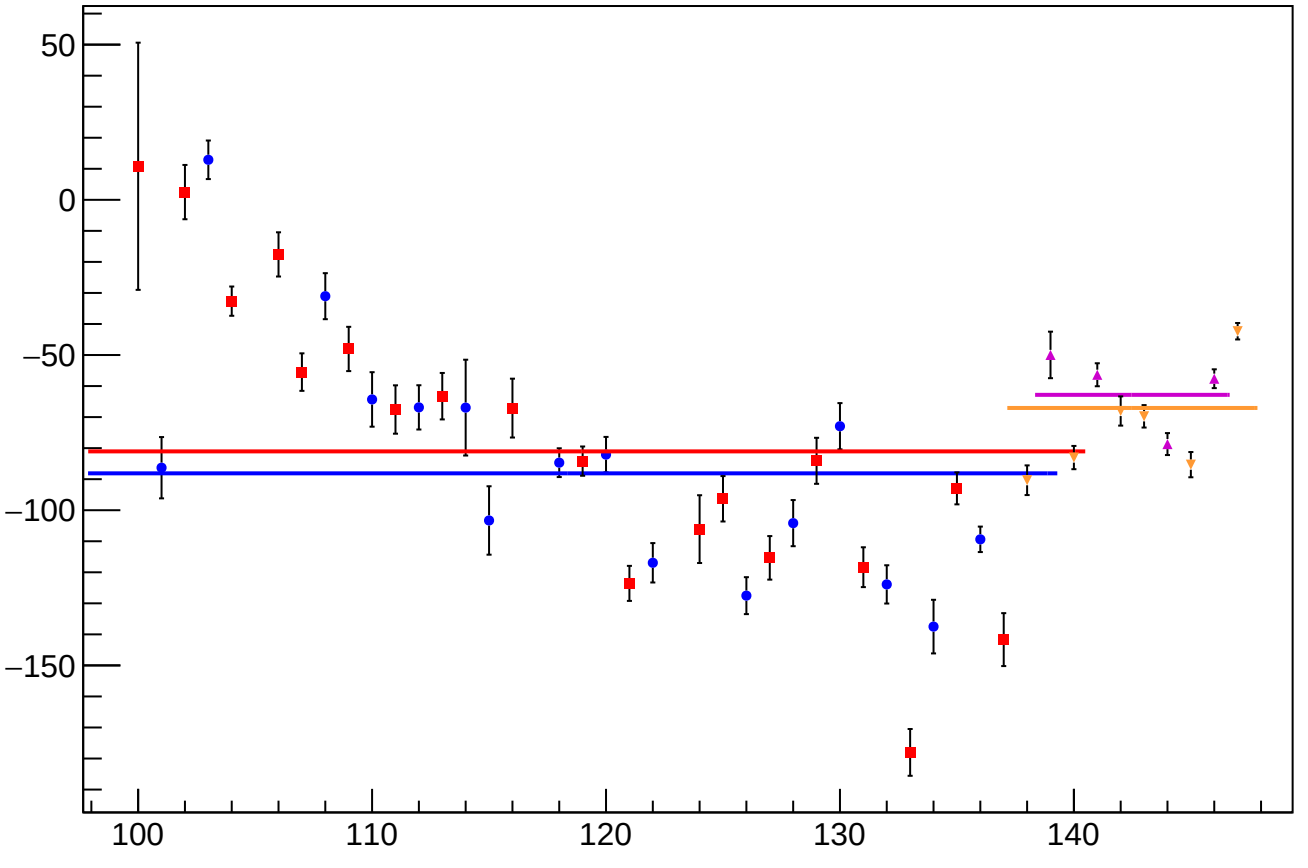
Left: -281.800+/-1.370 χ^2/NDF: 312.7/9

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -298.868+/-1.244 χ^2/NDF:2855.4/19

Out: -281.545+/-1.126 χ^2/NDF:4014.2/24

All: -289.342+/-0.835 χ^2/NDF: 6976.2/44



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -67.056+/-1.509 χ^2/NDF:149.5/5

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -62.830+/-1.891 χ^2/NDF:29.0/3

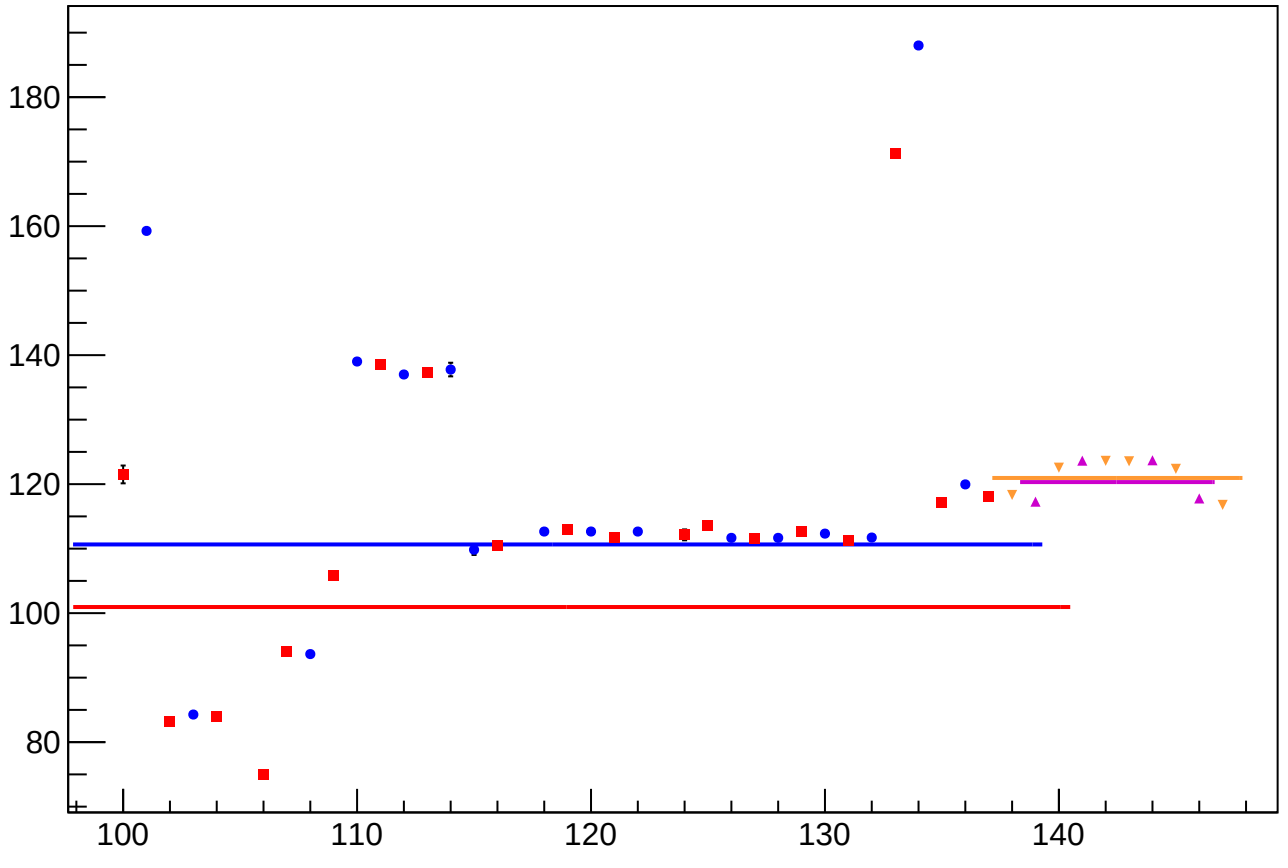
Left: -65.412+/-1.180 χ^2/NDF: 181.6/9

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -77.152+/-1.245 χ^2/NDF:642.2/19

Out: -73.779+/-1.088 χ^2/NDF:868.3/24

All: -75.238+/-0.819 χ^2/NDF: 1514.7/44



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 120.959+/-0.075 χ^2/NDF:1257.4/5

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 120.320+/-0.087 χ^2/NDF:1232.1/3

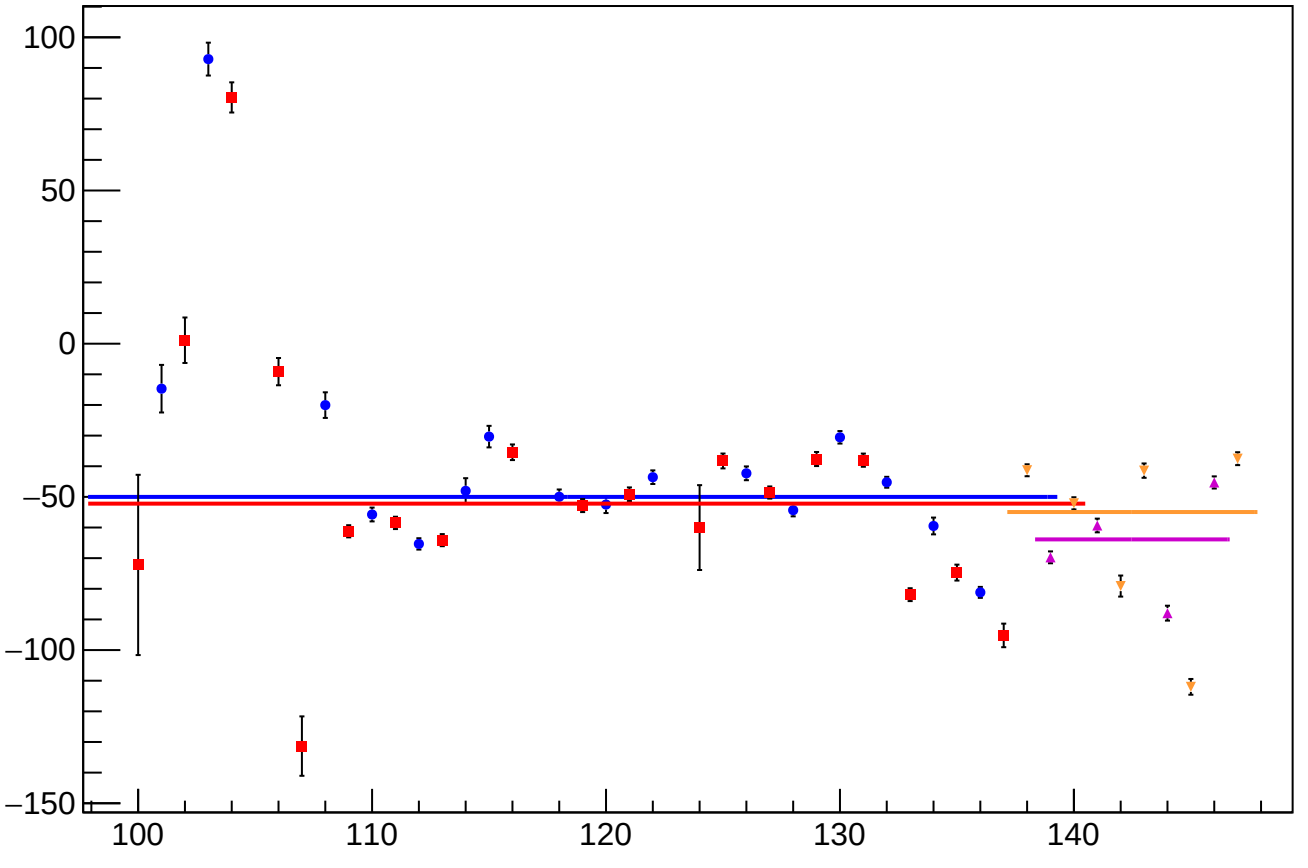
Left: 120.688+/-0.057 χ^2/NDF: 2520.2/9

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.392+/-0.061 χ^2/NDF:90978.3/19

Out: 111.701+/-0.055 χ^2/NDF:96076.3/24

All: 113.351+/-0.041 χ^2/NDF: 189061.4/44



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -54.942+/-0.929 χ^2/NDF:693.7/5

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -63.879+/-1.061 χ^2/NDF:198.9/3

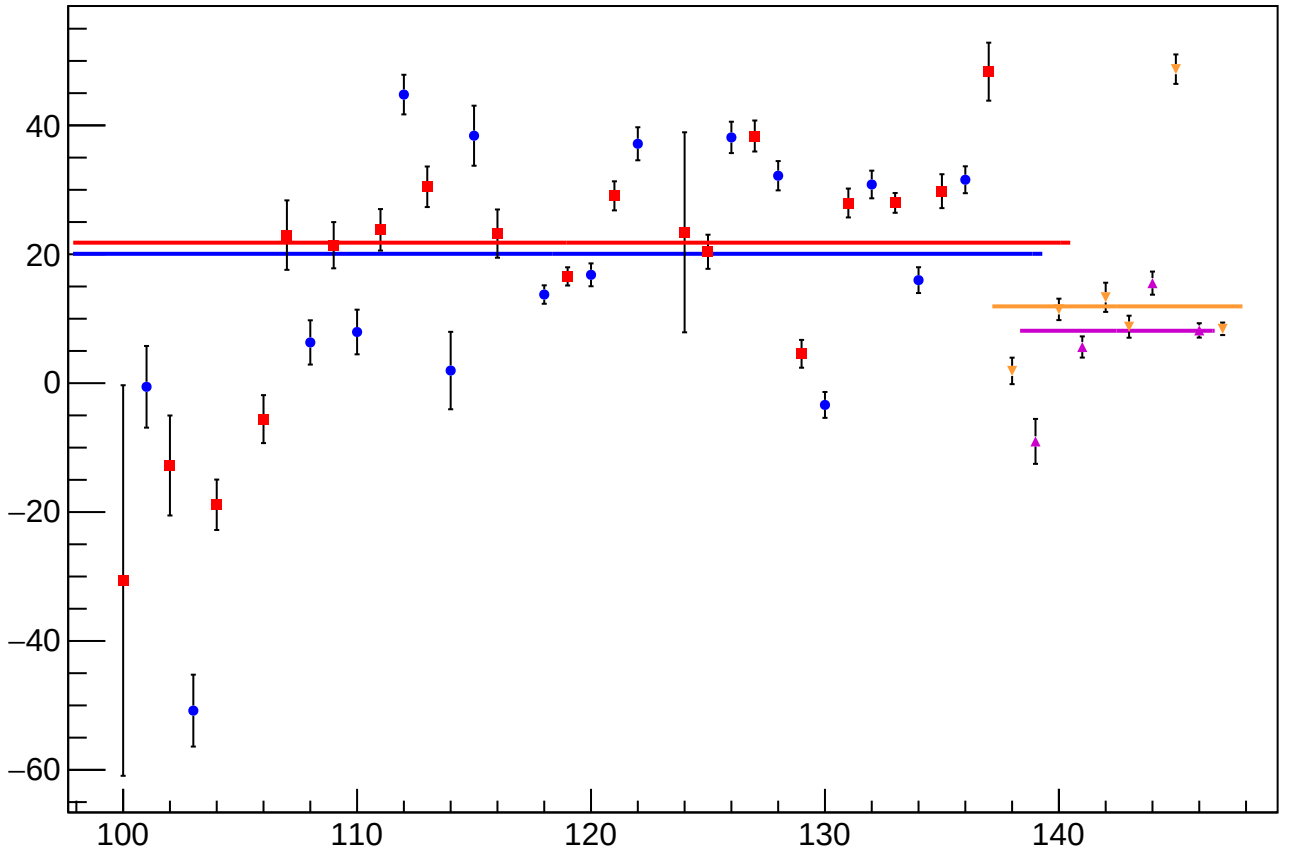
Left: -58.821+/-0.699 χ^2/NDF: 932.7/9

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -53.451+/-0.529 χ^2/NDF:1654.6/19

Out: -53.021+/-0.507 χ^2/NDF:2270.1/24

All: -53.227+/-0.366 χ^2/NDF: 3925.0/44



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 11.916+/-0.647 χ^2/NDF:299.9/5

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.132+/-0.799 χ^2/NDF:43.5/3

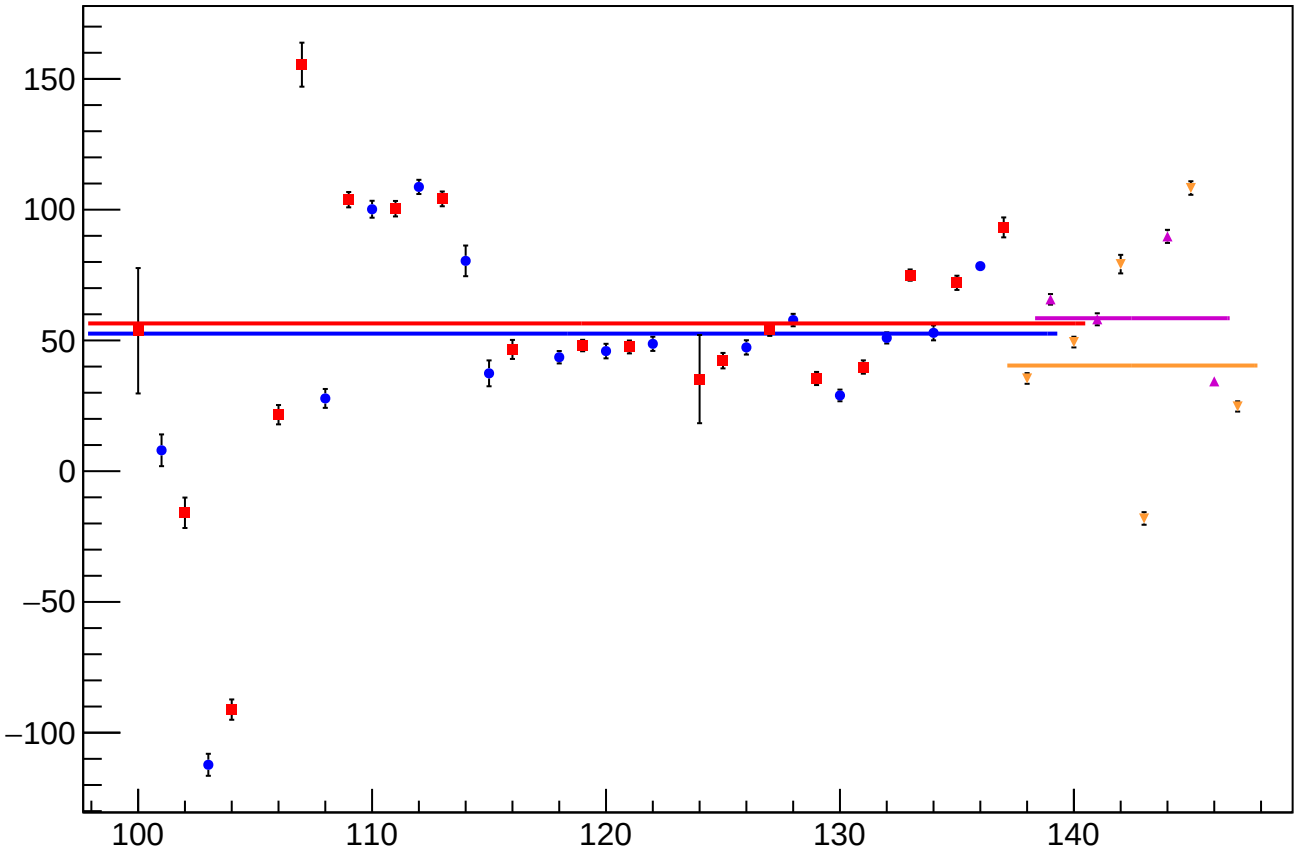
Left: 10.418+/-0.503 χ^2/NDF: 357.0/9

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 15.660+/-0.486 χ^2/NDF:820.4/19

Out: 17.052+/-0.448 χ^2/NDF:817.5/24

All: 16.412+/-0.330 χ^2/NDF: 1642.4/44



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 40.401+/-0.937 χ^2/NDF:1480.5/5

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 58.493+/-1.072 χ^2/NDF:330.2/3

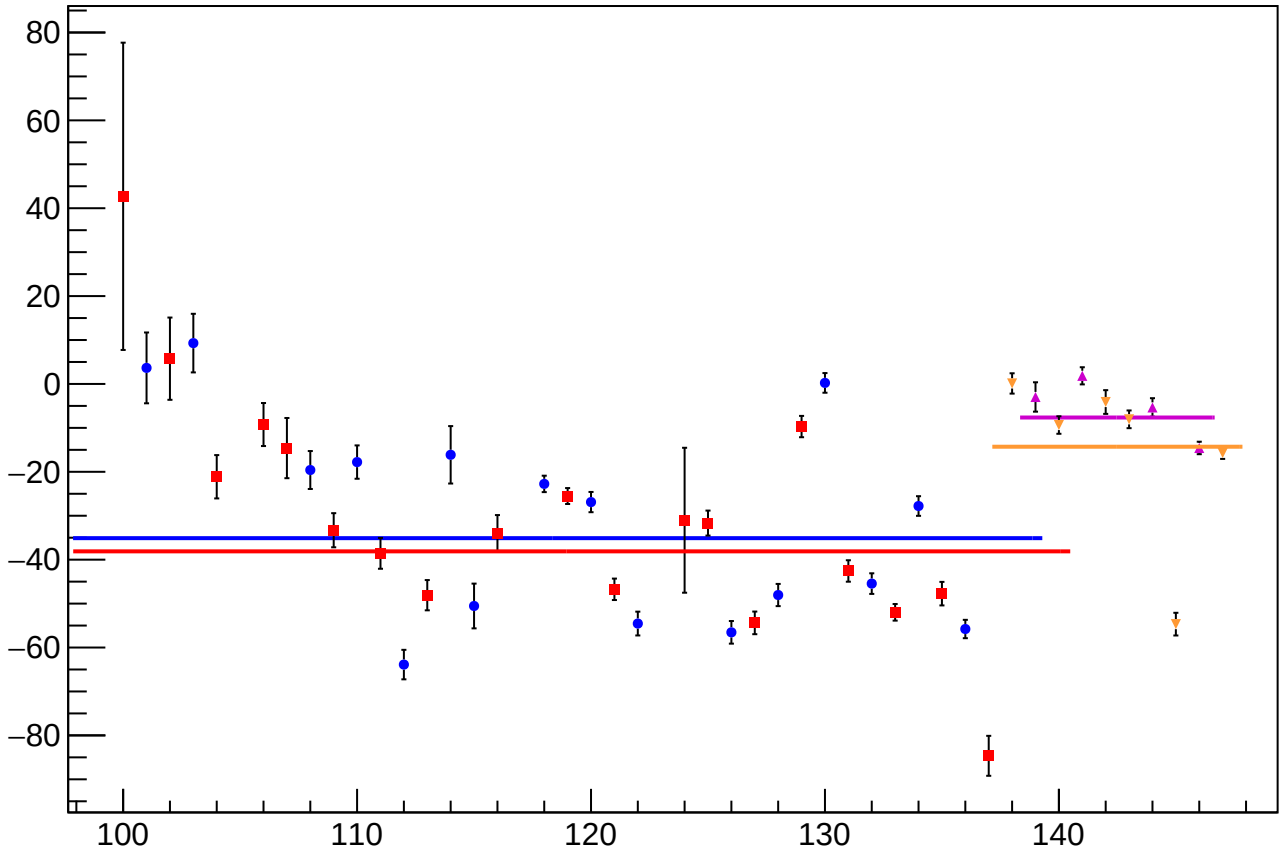
Left: 48.237+/-0.706 χ^2/NDF: 1972.1/9

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 54.351+/-0.584 χ^2/NDF:3010.9/19

Out: 50.678+/-0.564 χ^2/NDF:4634.3/24

All: 52.449+/-0.406 χ^2/NDF: 7665.7/44



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.291+/-0.806 χ^2/NDF:314.3/5

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -7.642+/-0.966 χ^2/NDF:50.5/3

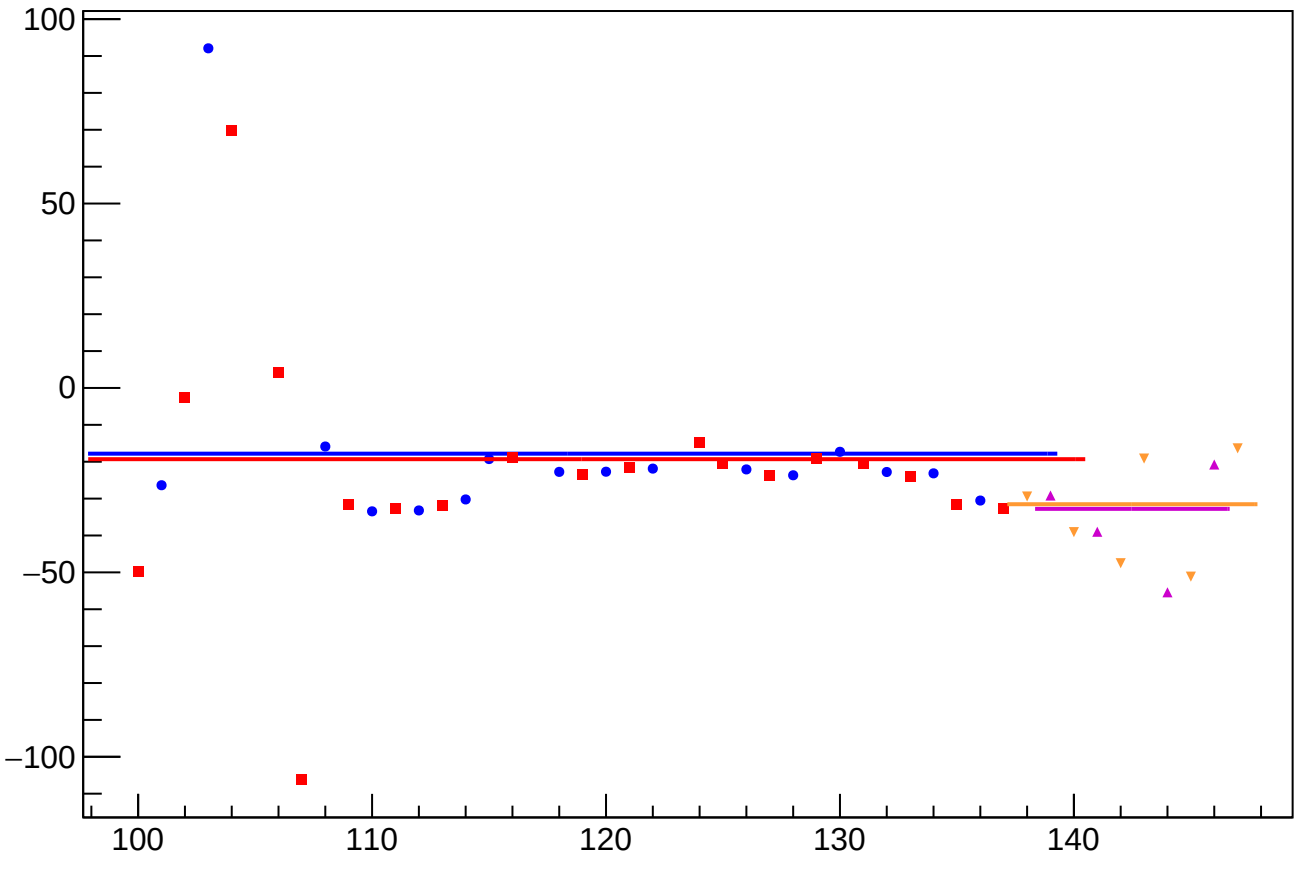
Left: -11.559+/-0.619 χ^2/NDF: 392.8/9

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -25.641+/-0.567 χ^2/NDF:1354.0/19

Out: -27.642+/-0.534 χ^2/NDF:1318.2/24

All: -26.700+/-0.389 χ^2/NDF: 2678.7/44



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -31.522+/-0.039 χ^2/NDF:102143.9/5

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -32.779+/-0.043 χ^2/NDF:69075.5/3

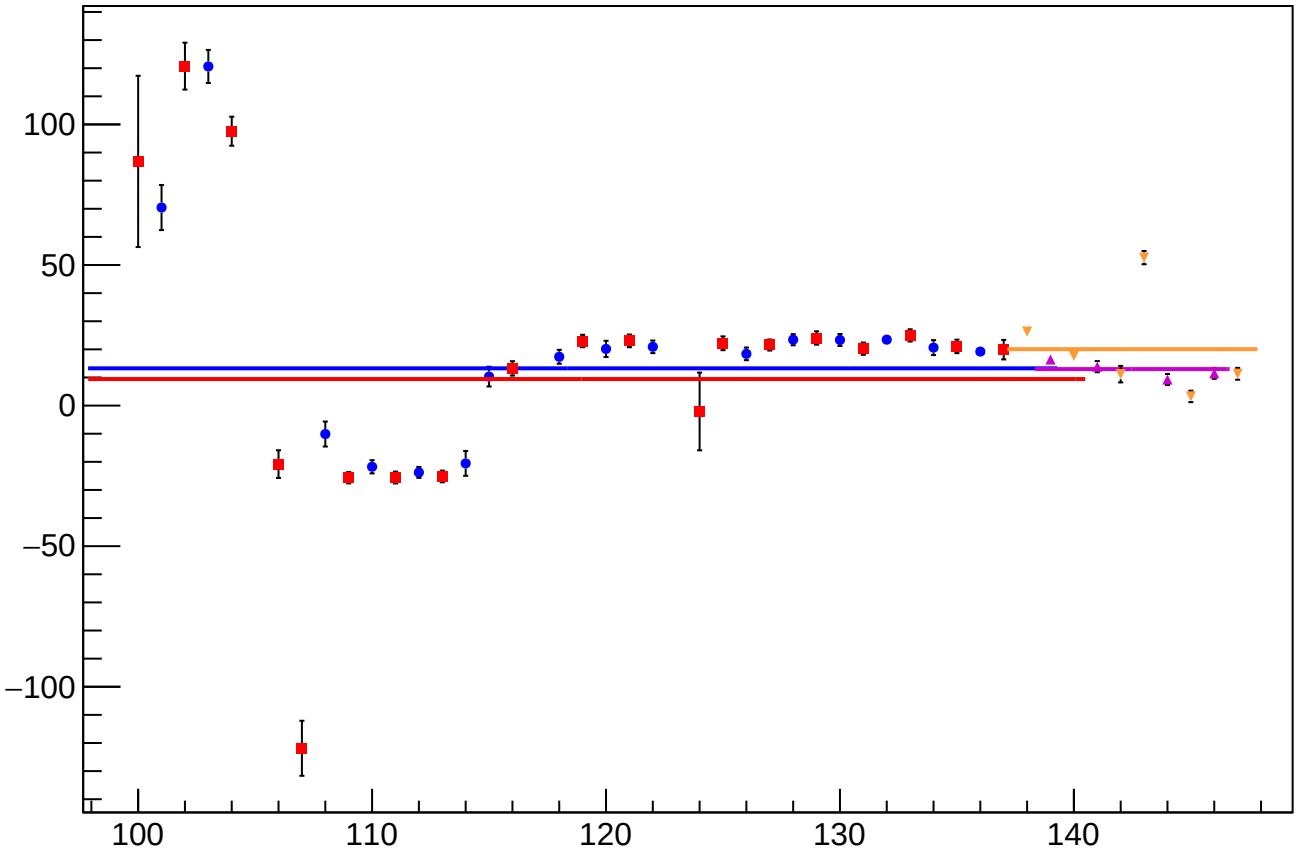
Left: -32.090+/-0.029 χ^2/NDF: 171683.3/9

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -25.302+/-0.031 χ^2/NDF:555102.4/19

Out: -26.394+/-0.030 χ^2/NDF:487492.1/24

All: -25.860+/-0.021 χ^2/NDF: 1043247.4/44



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 20.067+/-0.845 χ^2/NDF:298.8/5

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 12.985+/-0.948 χ^2/NDF:8.3/3

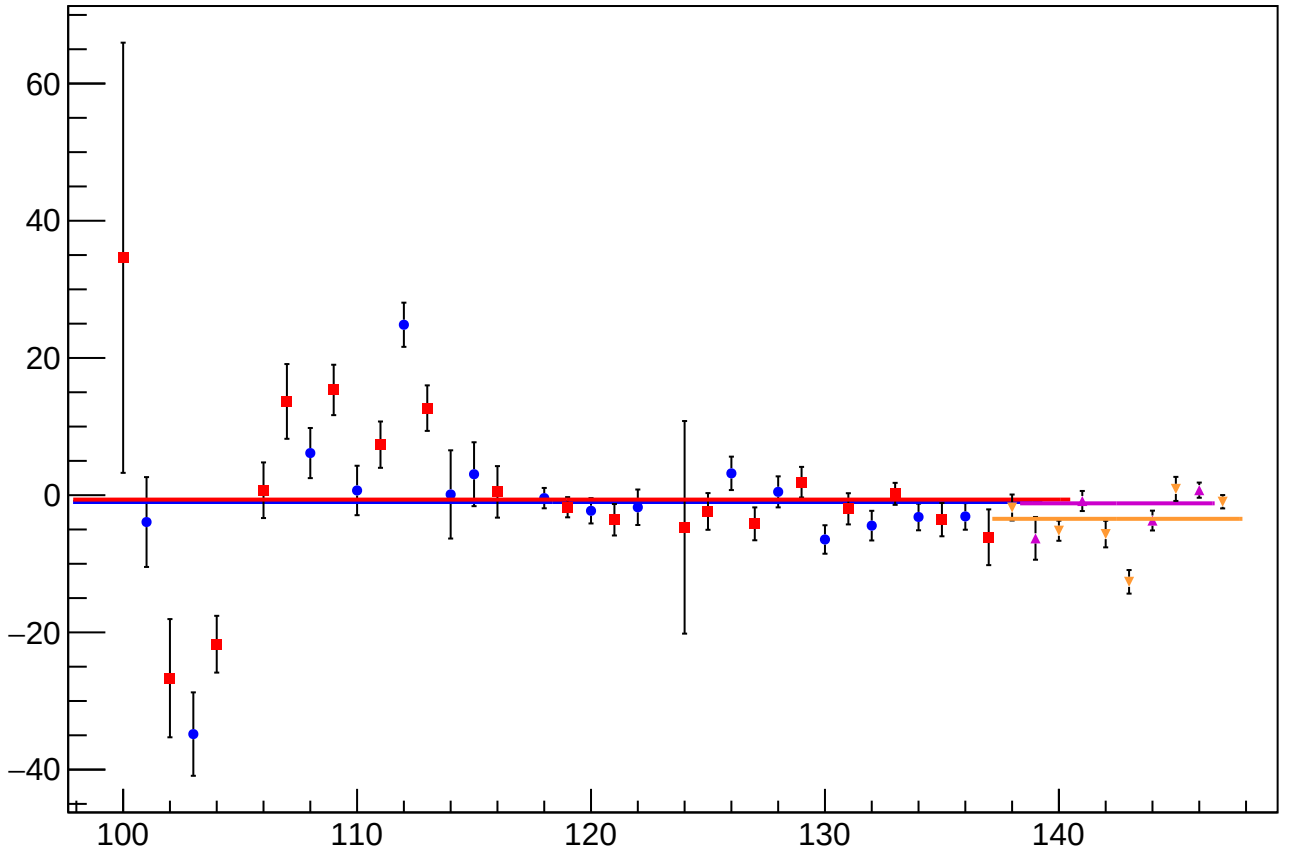
Left: 16.929+/-0.631 χ^2/NDF: 338.2/9

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.172+/-0.516 χ^2/NDF:1190.8/19

Out: 13.125+/-0.497 χ^2/NDF:2238.6/24

All: 13.148+/-0.358 χ^2/NDF: 3429.4/44



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -3.448+/-0.605 χ^2/NDF:44.7/5

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -1.190+/-0.732 χ^2/NDF:8.8/3

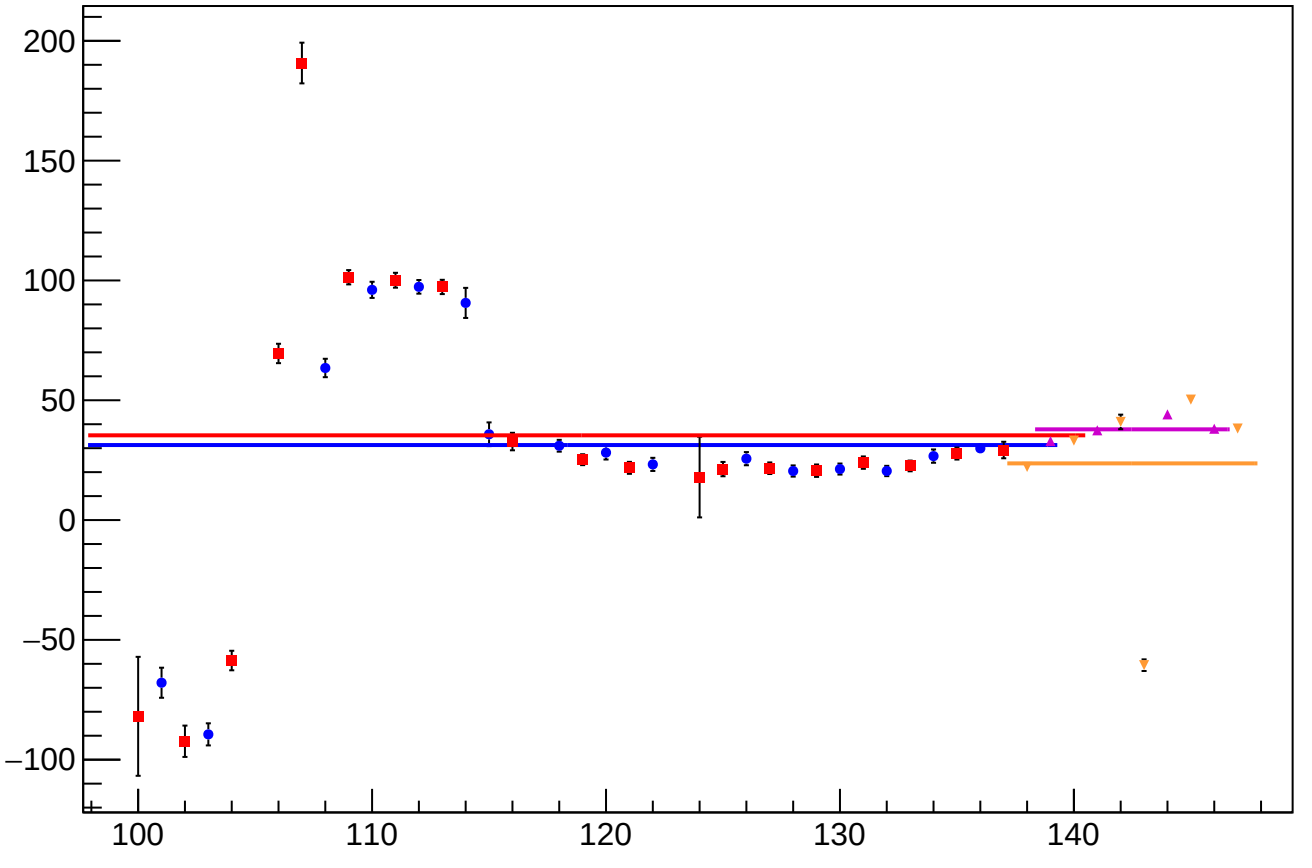
Left: -2.531+/-0.467 χ^2/NDF: 59.2/9

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.075+/-0.473 χ^2/NDF:125.2/19

Out: -2.114+/-0.438 χ^2/NDF:149.2/24

All: -1.634+/-0.321 χ^2/NDF: 276.9/44



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 23.654+/-0.856 χ^2/NDF:1484.1/5

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 37.864+/-0.961 χ^2/NDF:17.2/3

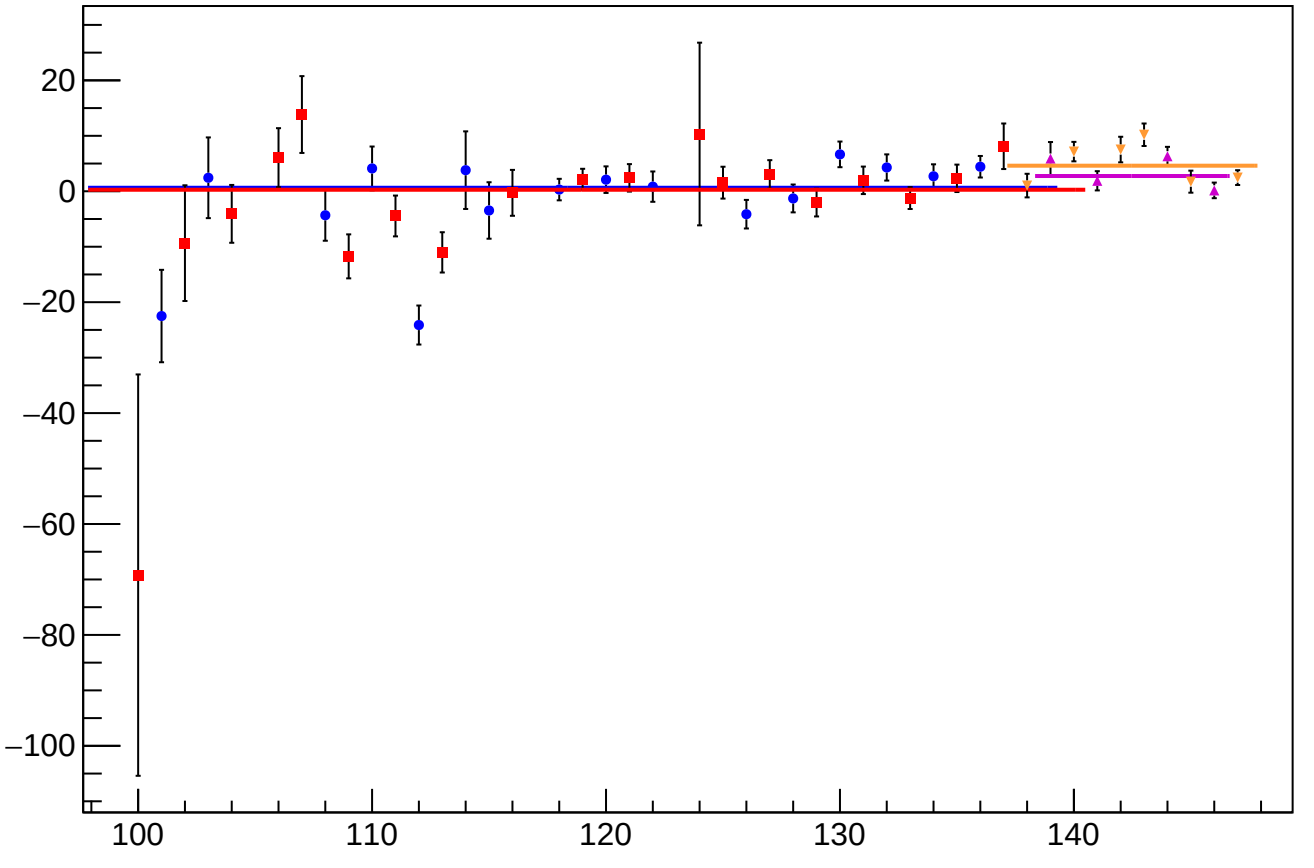
Left: 29.942+/-0.639 χ^2/NDF: 1623.1/9

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.582+/-0.566 χ^2/NDF:2133.4/19

Out: 30.538+/-0.550 χ^2/NDF:4491.7/24

All: 32.016+/-0.394 χ^2/NDF: 6640.1/44



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 4.612+/-0.747 χ^2/NDF:18.8/5

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.752+/-0.877 χ^2/NDF:9.2/3

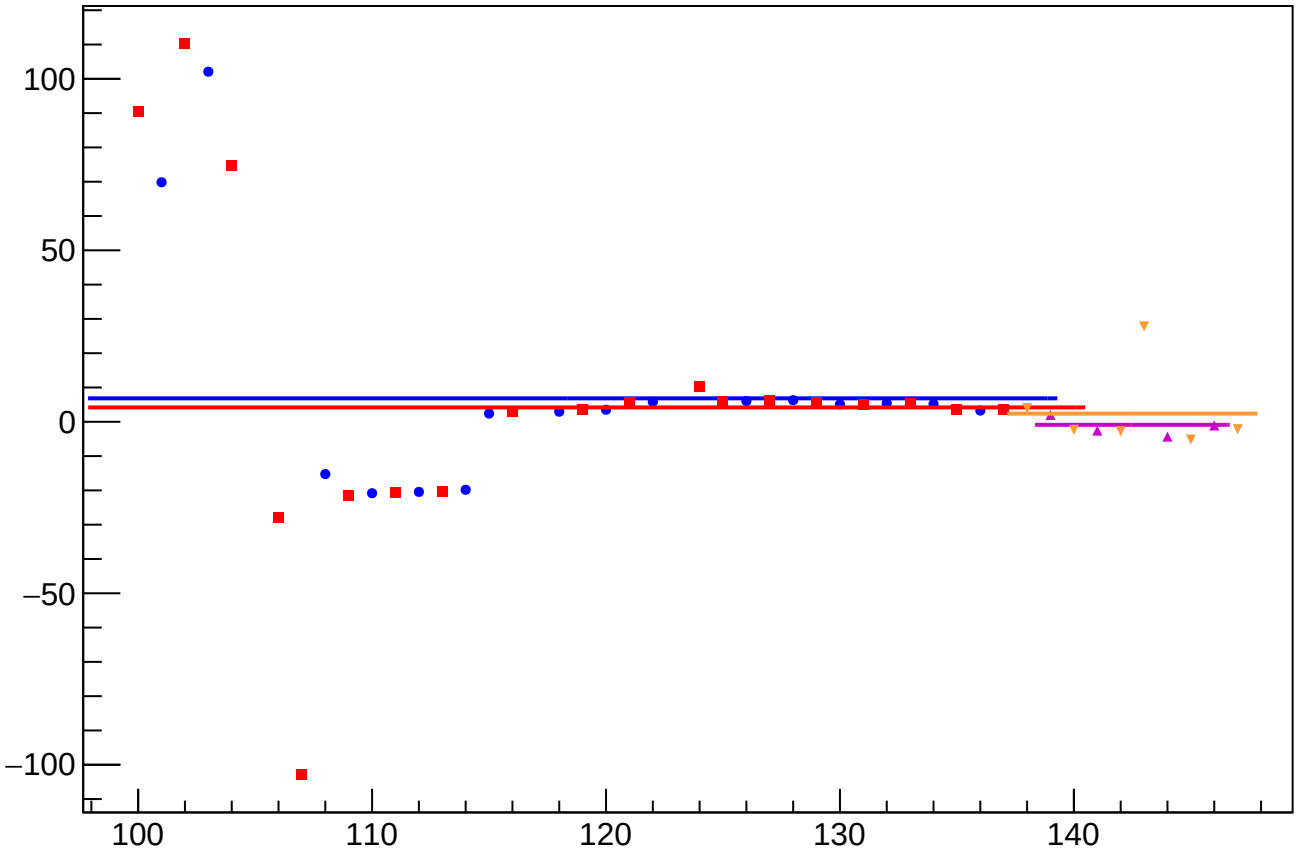
Left: 3.830+/-0.569 χ^2/NDF: 30.6/9

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.463+/-0.549 χ^2/NDF:91.2/19

Out: 2.382+/-0.521 χ^2/NDF:76.6/24

All: 1.947+/-0.378 χ^2/NDF: 169.2/44



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 2.383+/-0.036 χ^2/NDF:80602.7/5

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.880+/-0.039 χ^2/NDF:3890.2/3

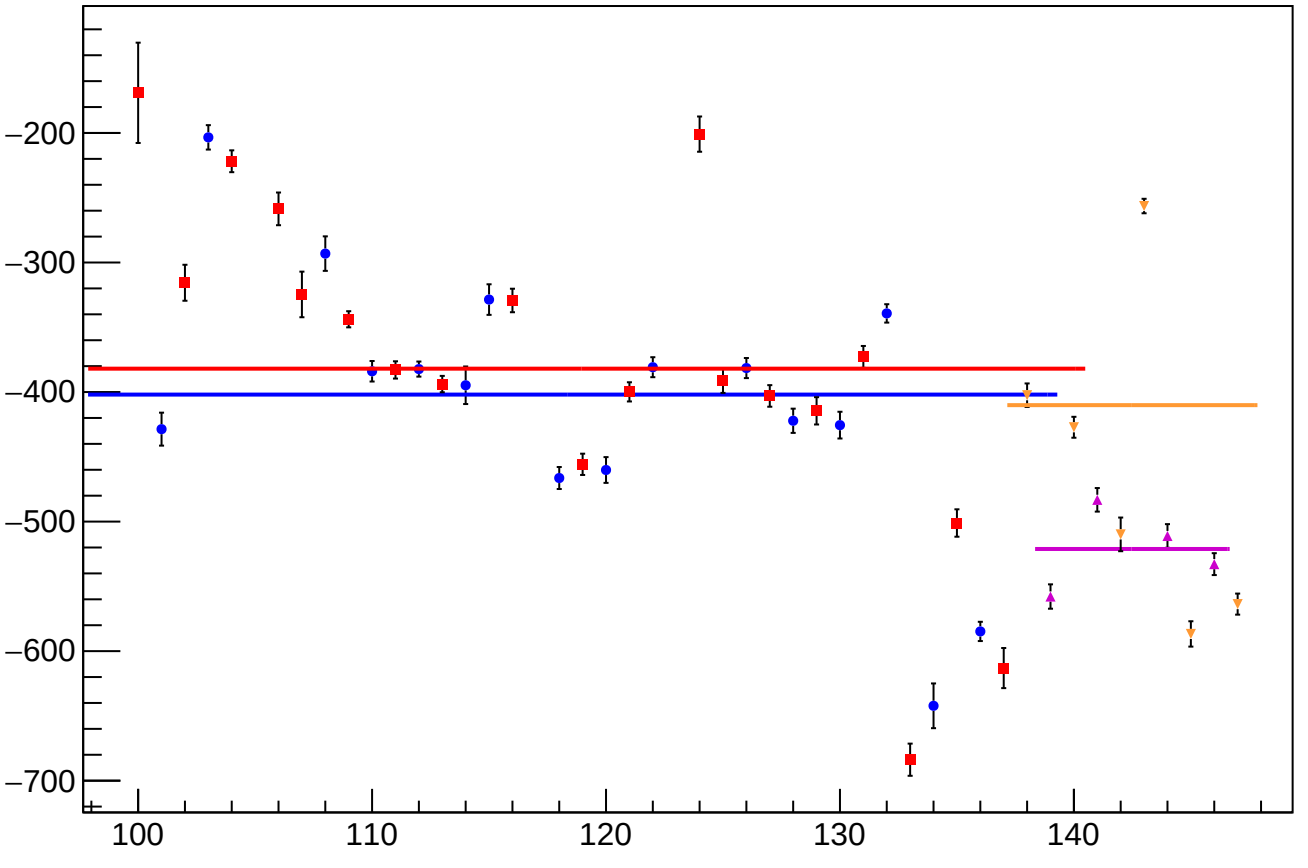
Left: 0.888+/-0.026 χ^2/NDF: 88330.8/9

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 2.595+/-0.029 χ^2/NDF:342683.0/19

Out: 3.055+/-0.028 χ^2/NDF:516106.4/24

All: 2.829+/-0.020 χ^2/NDF: 858919.9/44



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -410.108+/-3.316 χ^2/NDF:1503.3/5

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -521.139+/-4.500 χ^2/NDF:35.8/3

Left: -449.189+/-2.670 χ^2/NDF: 1933.7/9

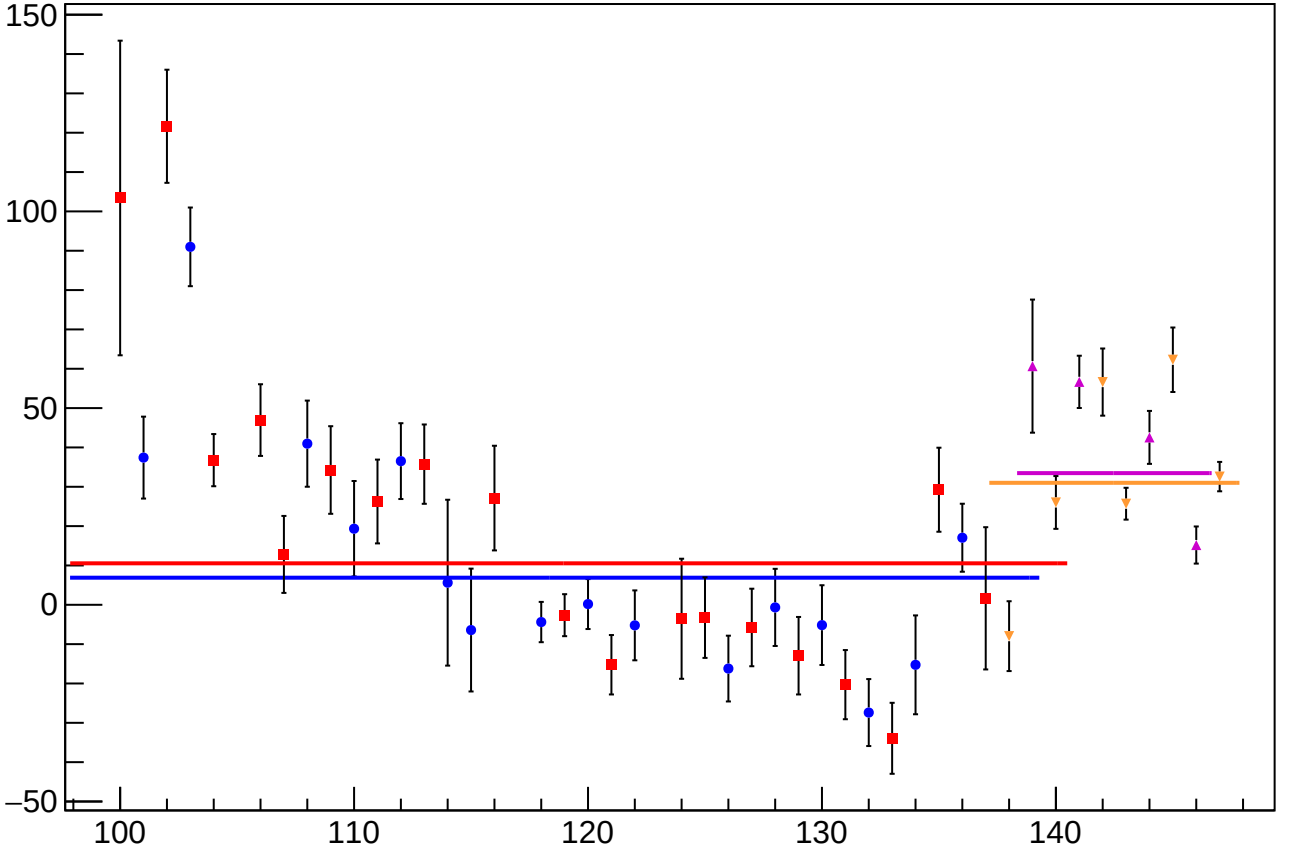
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -425.563+/-2.002 χ^2/NDF:2161.6/19

Out: -390.142+/-1.789 χ^2/NDF:3371.9/24

All: -405.863+/-1.334 χ^2/NDF: 5707.5/44

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: 31.009+/-2.257 χ^2/NDF:45.3/5

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 33.473+/-3.277 χ^2/NDF:31.6/3

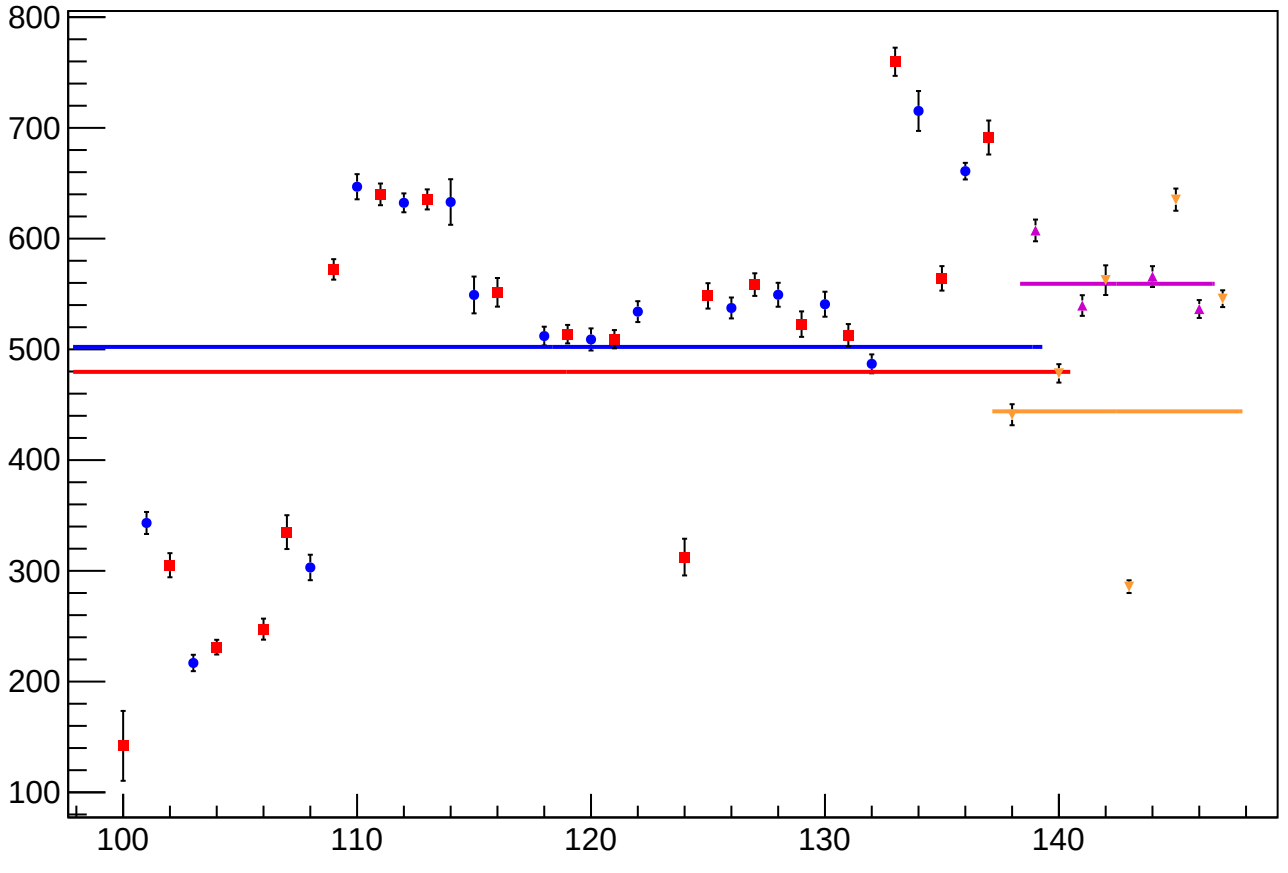
Left: 31.802+/-1.859 χ^2/NDF: 77.3/9

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 15.481+/-1.863 χ^2/NDF:214.6/19

Out: 20.500+/-1.574 χ^2/NDF:267.5/24

All: 18.409+/-1.202 χ^2/NDF: 486.4/44



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 444.005+/-3.355 χ^2/NDF:1398.8/5

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 559.214+/-4.540 χ^2/NDF:37.0/3

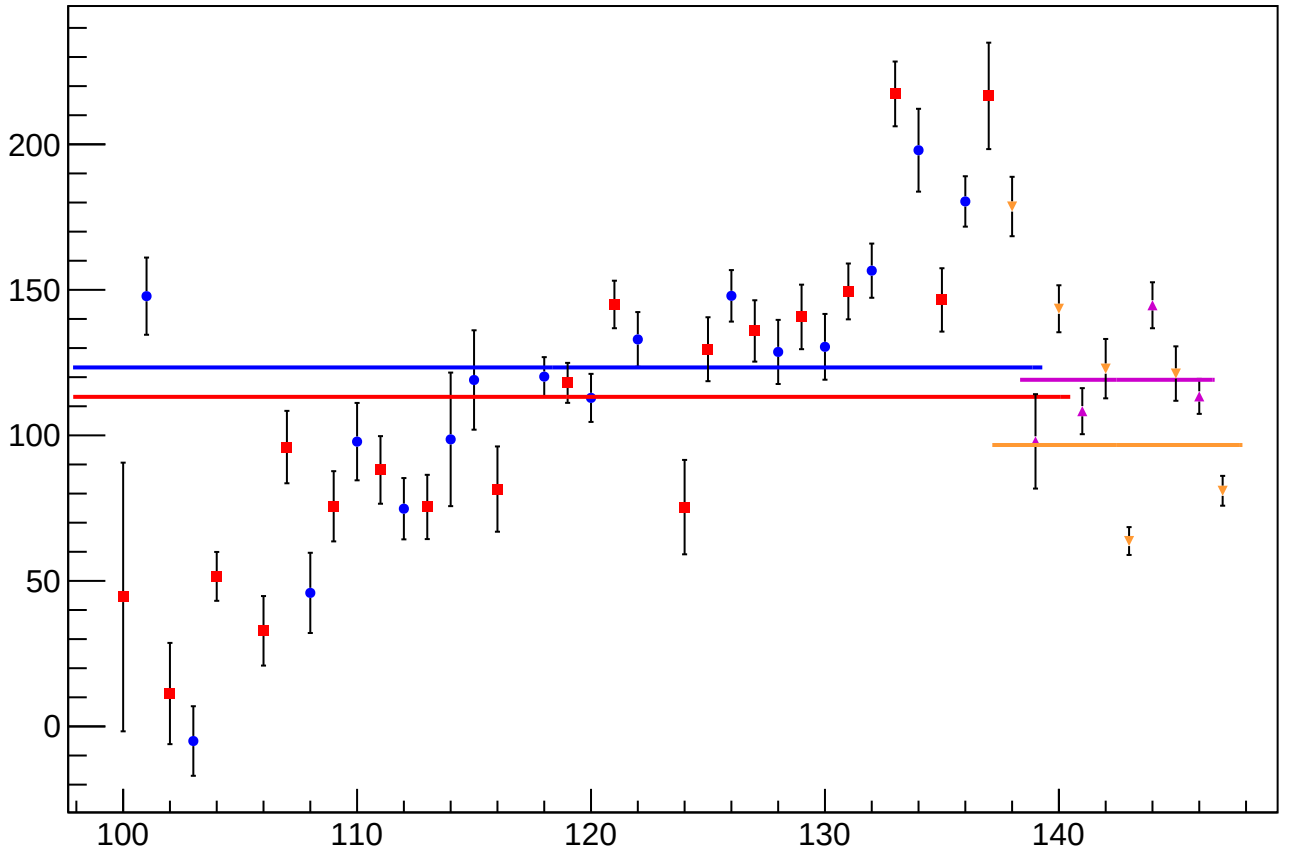
Left: 484.703+/-2.698 χ^2/NDF: 1852.3/9

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 515.417+/-2.185 χ^2/NDF:3293.3/19

Out: 467.609+/-1.952 χ^2/NDF:5612.1/24

All: 488.824+/-1.456 χ^2/NDF: 9171.7/44



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 96.693+/-2.798 χ^2/NDF:168.5/5

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 119.096+/-3.969 χ^2/NDF:15.0/3

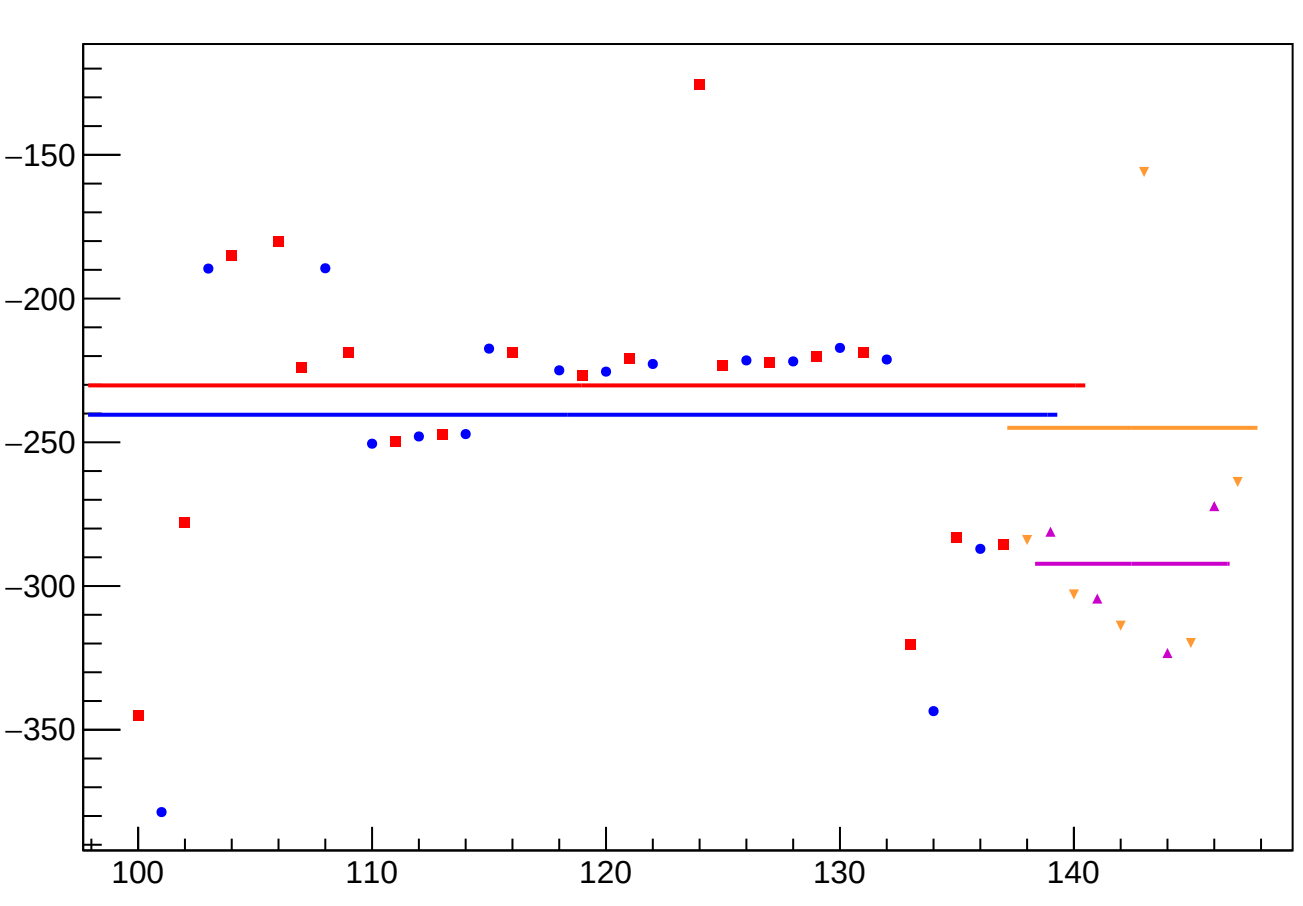
Left: 104.132+/-2.287 χ^2/NDF: 204.8/9

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 122.049+/-2.191 χ^2/NDF:287.1/19

Out: 105.747+/-1.883 χ^2/NDF:533.4/24

All: 112.673+/-1.428 χ^2/NDF: 852.4/44



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -244.962+/-0.141 χ^2/NDF:227469.6/5

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -292.256+/-0.186 χ^2/NDF:10783.5/3

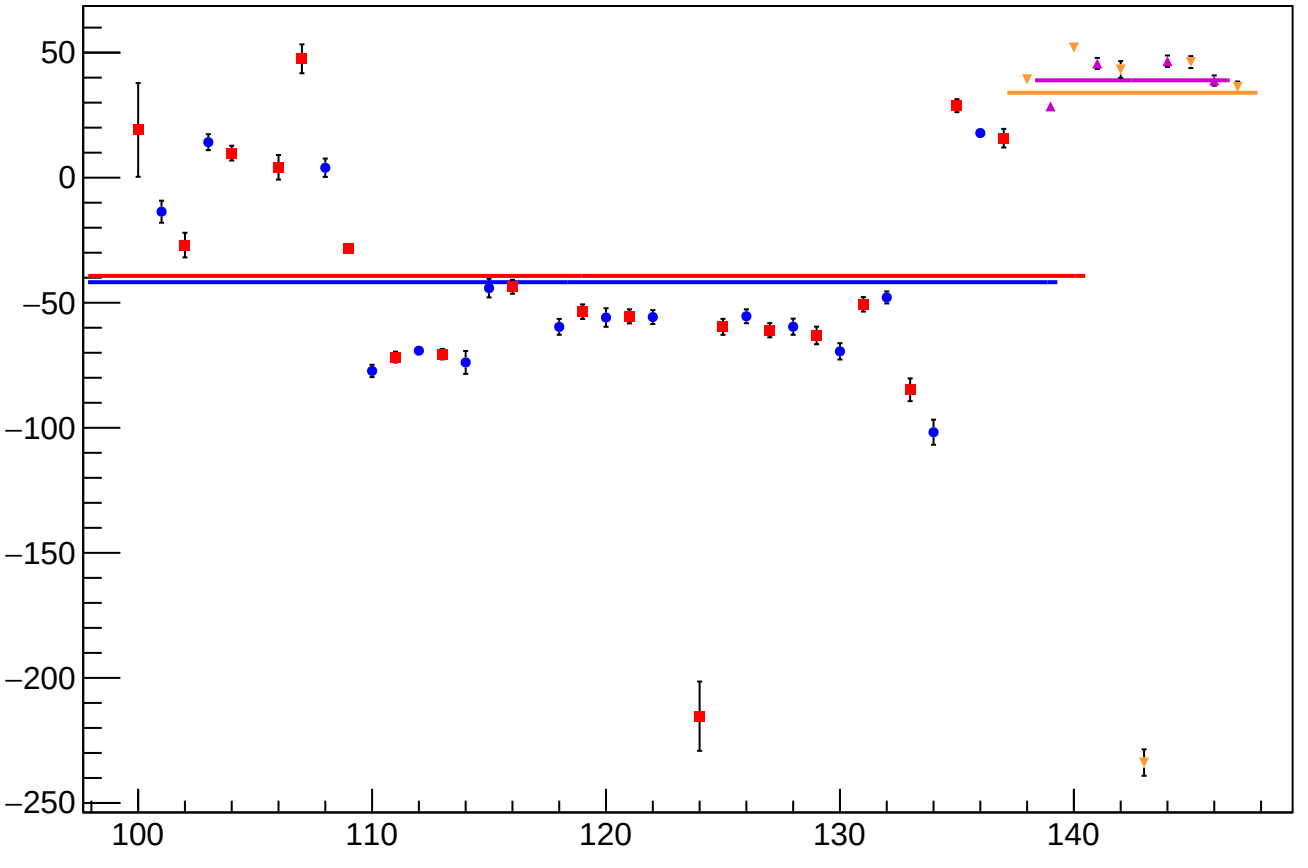
Left: -262.288+/-0.113 χ^2/NDF: 279228.8/9

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -260.946+/-0.117 χ^2/NDF:191865.5/19

Out: -237.845+/-0.102 χ^2/NDF:316152.5/24

All: -247.787+/-0.077 χ^2/NDF: 530205.7/44



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 33.949+/-0.982 χ^2/NDF:2690.4/5

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 38.931+/-1.052 χ^2/NDF:49.6/3

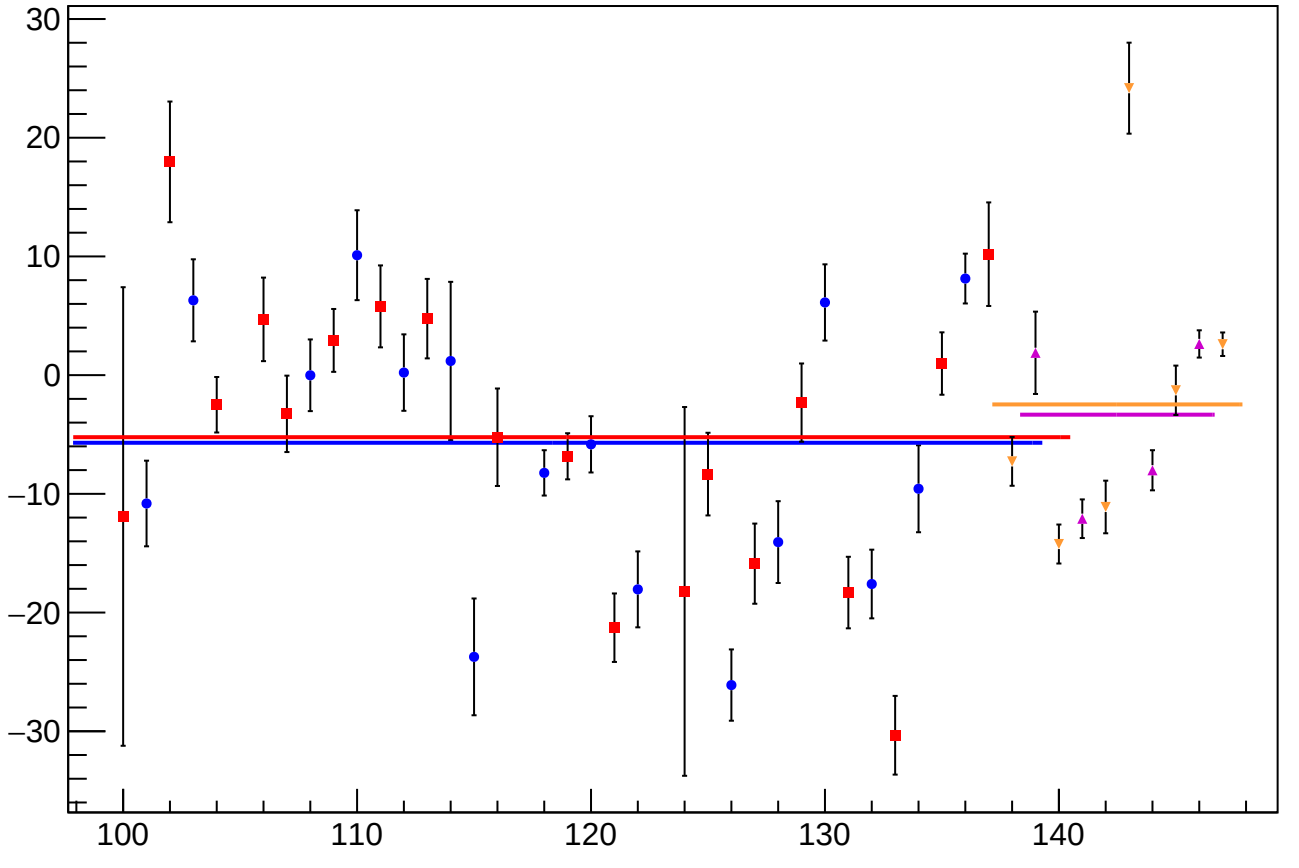
Left: 36.269+/-0.718 χ^2/NDF: 2752.0/9

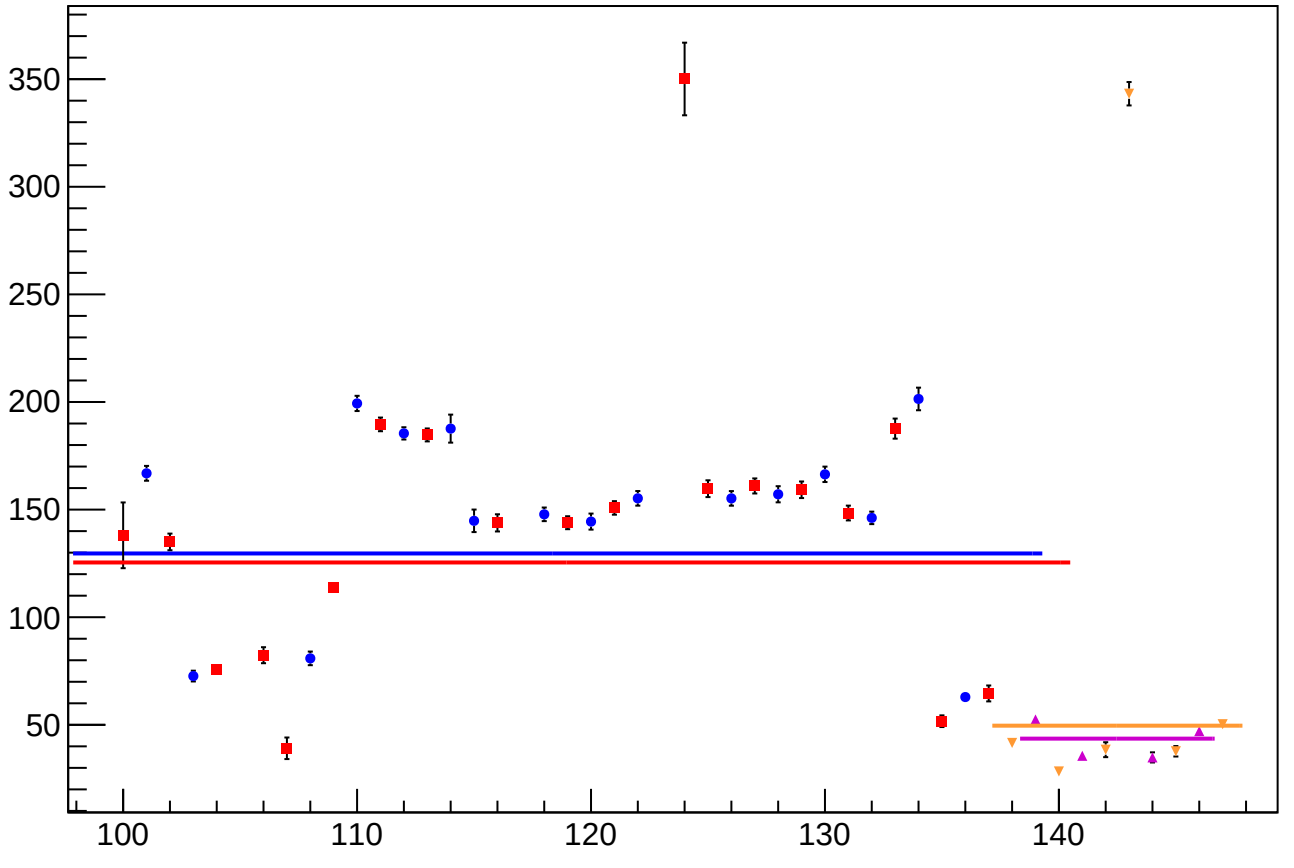
Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -15.881+/-0.596 χ^2/NDF:6454.2/19

Out: -15.543+/-0.559 χ^2/NDF:8928.2/24

All: -15.701+/-0.408 χ^2/NDF: 15382.6/44


reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
Right In: -5.697+/-0.753 χ²/NDF: 196.7/15
Left Out: -2.467+/-0.685 χ²/NDF:146.8/5
Right Out: -5.227+/-0.740 χ²/NDF: 197.3/18
Left In: -3.331+/-0.799 χ²/NDF:65.8/3
Left: -2.833+/-0.520 χ²/NDF: 213.3/9
Right: -5.458+/-0.528 χ²/NDF: 394.3/34
In: -4.583+/-0.548 χ²/NDF:267.2/19
Out: -3.741+/-0.503 χ²/NDF:351.6/24
All: -4.126+/-0.370 χ²/NDF: 620.1/44



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.606+/-0.989 χ^2/NDF:3074.9/5

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 43.584+/-1.064 χ^2/NDF:48.9/3

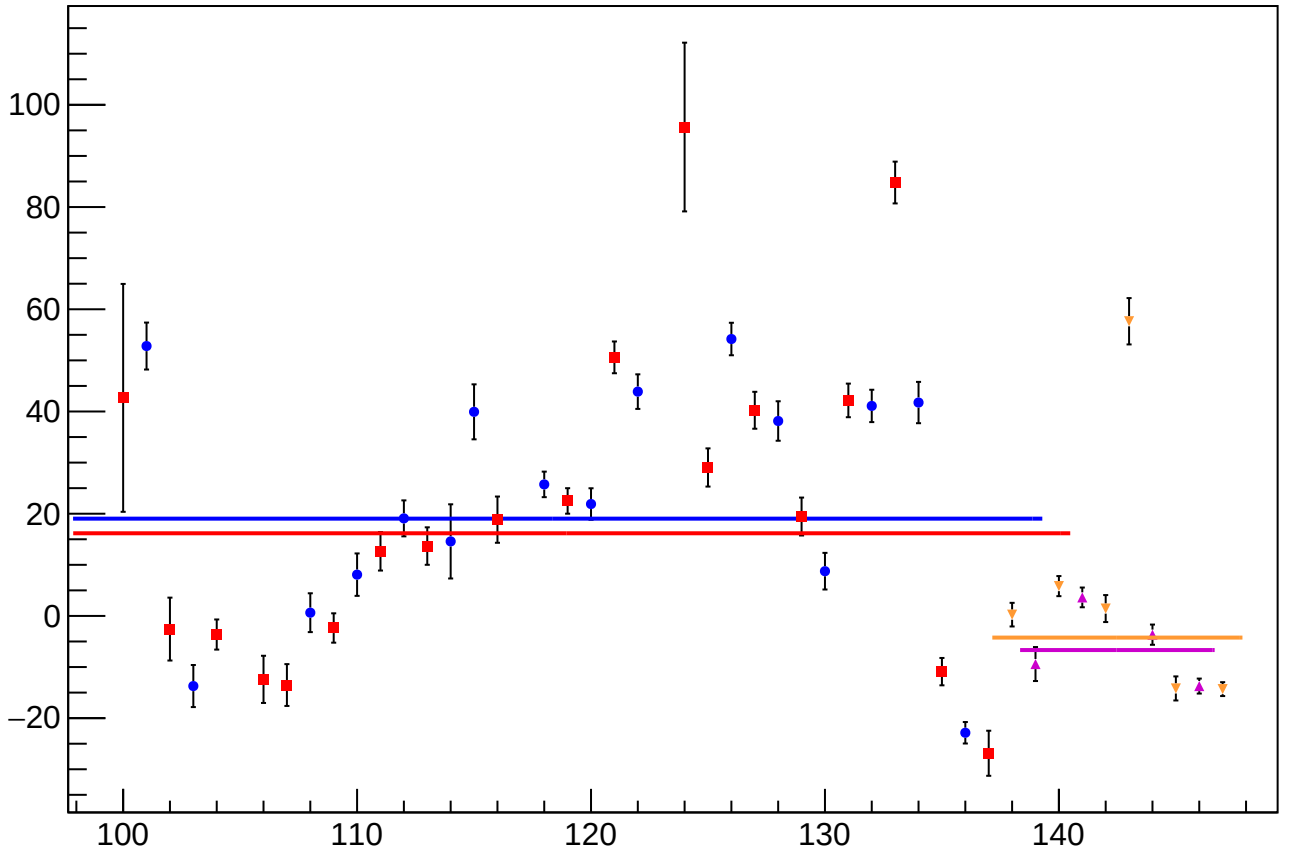
Left: 46.814+/-0.725 χ^2/NDF: 3141.0/9

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 98.530+/-0.640 χ^2/NDF:7846.5/19

Out: 95.921+/-0.617 χ^2/NDF:10165.8/24

All: 97.179+/-0.444 χ^2/NDF: 18020.9/44



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -4.236+/-0.857 χ^2/NDF:294.1/5

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -6.674+/-0.962 χ^2/NDF:54.6/3

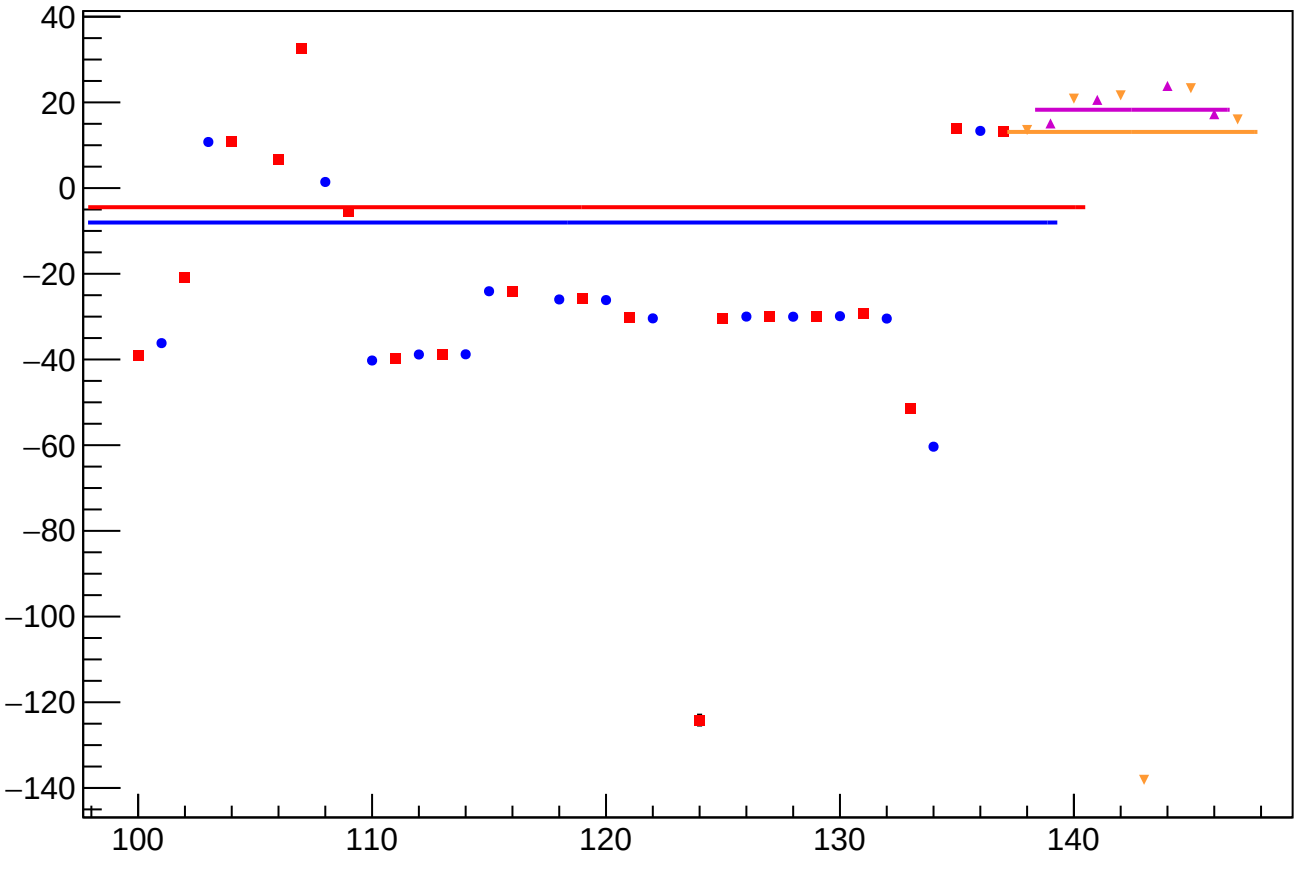
Left: -5.315+/-0.640 χ^2/NDF: 352.3/9

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 7.617+/-0.641 χ^2/NDF:1309.7/19

Out: 6.099+/-0.602 χ^2/NDF:1522.6/24

All: 6.810+/-0.439 χ^2/NDF: 2835.3/44



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.108+/-0.041 χ^2/NDF:469219.5/5

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 18.283+/-0.043 χ^2/NDF:5549.2/3

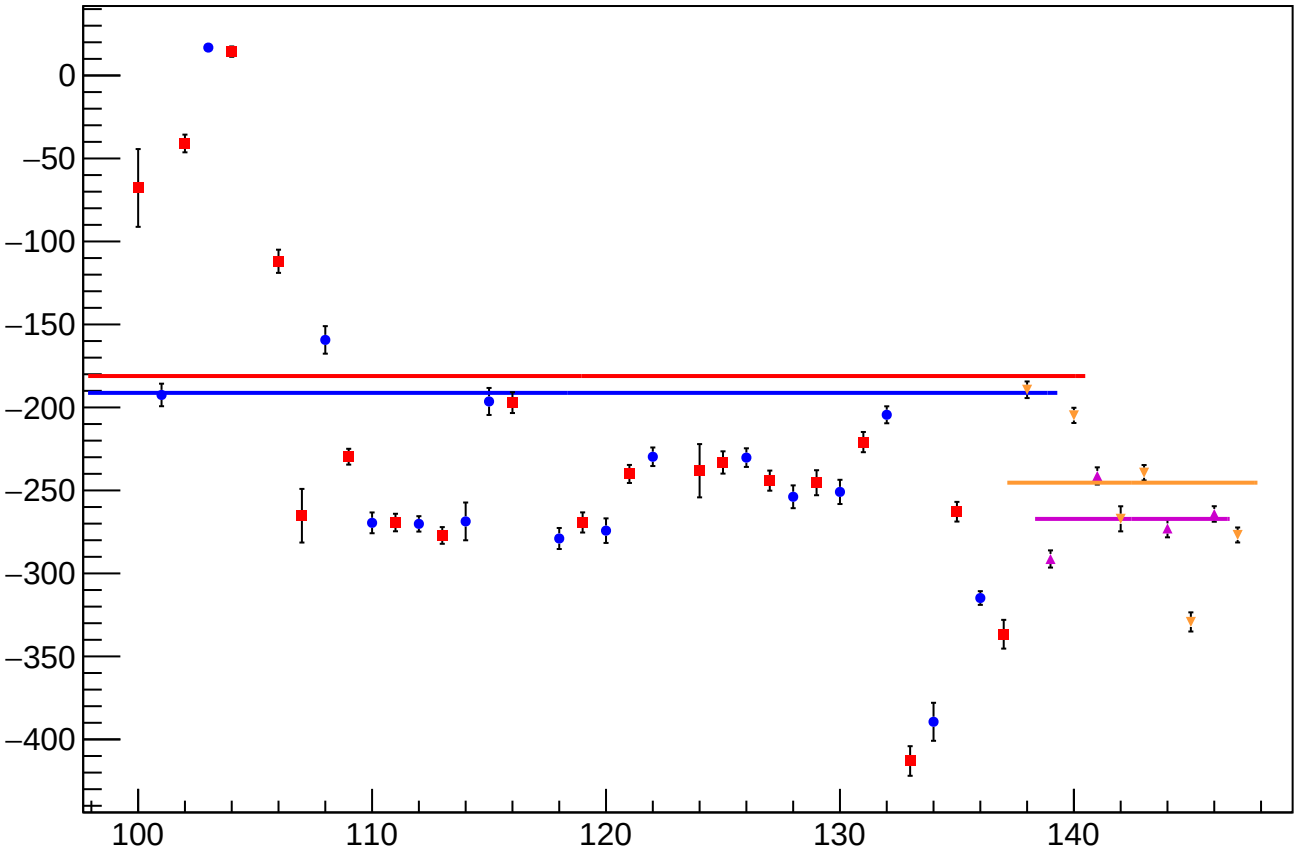
Left: 15.598+/-0.030 χ^2/NDF: 482316.6/9

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 5.986+/-0.031 χ^2/NDF:449195.4/19

Out: 5.411+/-0.031 χ^2/NDF:776830.3/24

All: 5.695+/-0.022 χ^2/NDF: 1226196.4/44



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -245.334+/-2.081 χ^2/NDF:474.0/5

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -267.157+/-2.541 χ^2/NDF:48.2/3

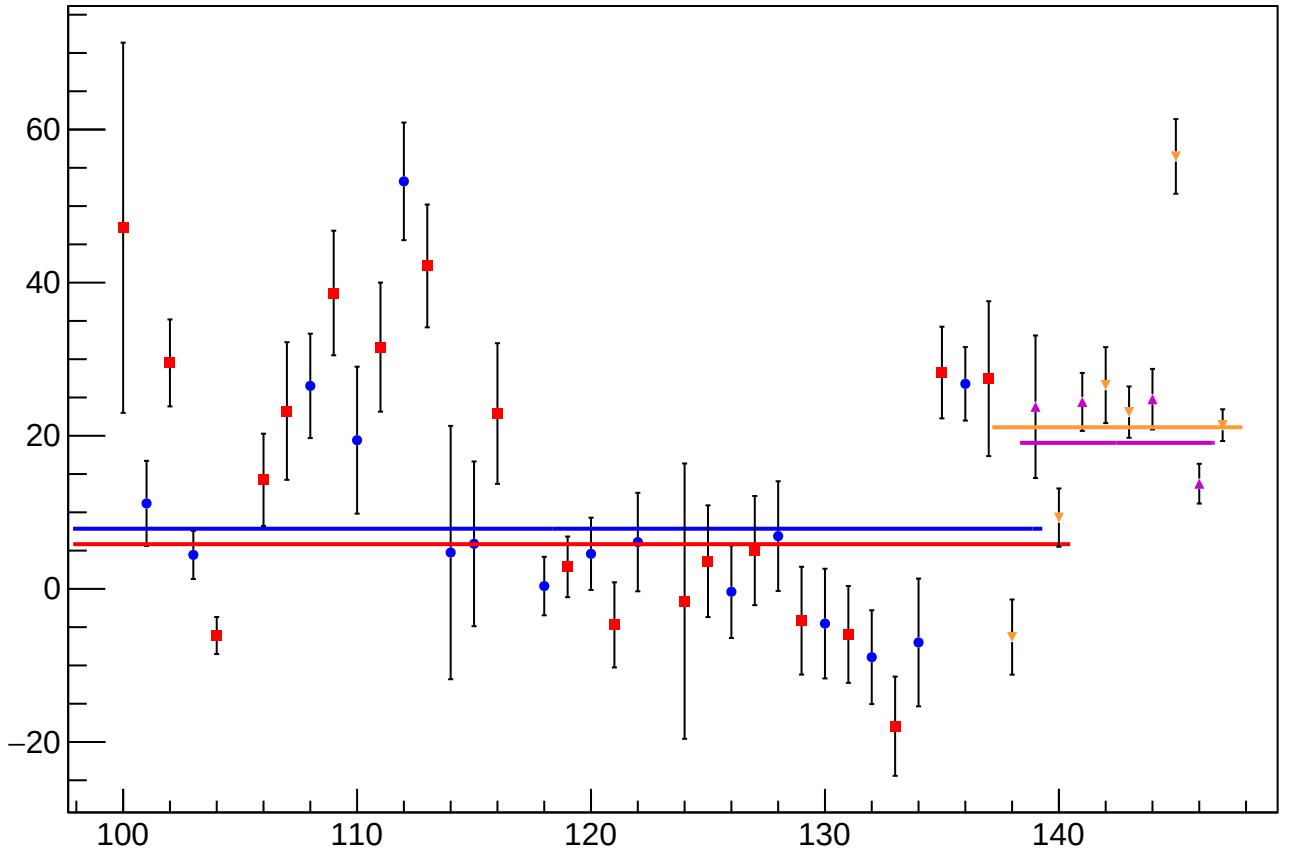
Left: -254.097+/-1.610 χ^2/NDF: 566.4/9

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -209.272+/-1.239 χ^2/NDF:7953.9/19

Out: -200.753+/-1.152 χ^2/NDF:8509.3/24

All: -204.703+/-0.843 χ^2/NDF: 16488.5/44



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 21.112+/-1.394 χ^2/NDF:95.1/5

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 19.075+/-1.846 χ^2/NDF:8.6/3

Left: 20.372+/-1.112 χ^2/NDF: 104.4/9

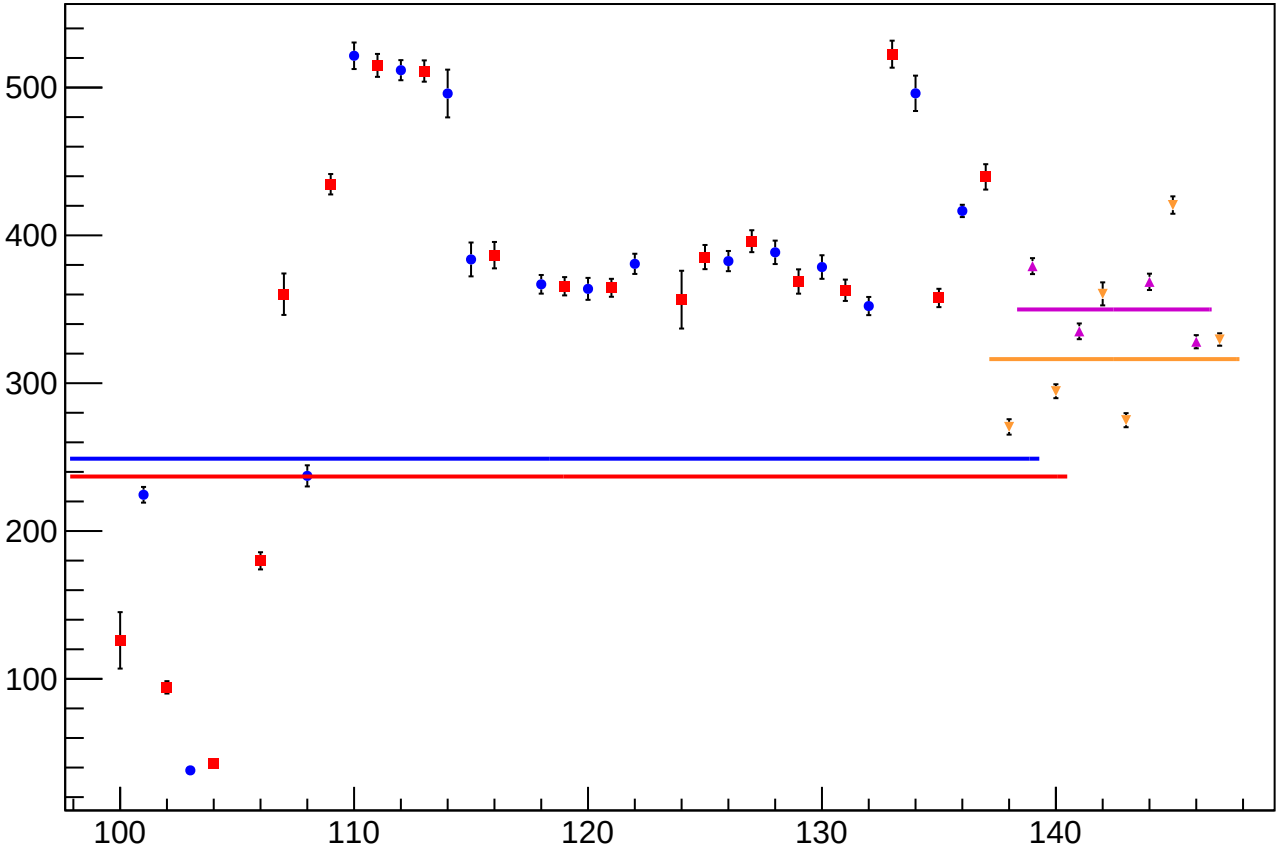
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 12.095+/-1.134 χ^2/NDF:112.4/19

Out: 13.261+/-0.972 χ^2/NDF:298.6/24

All: 12.768+/-0.738 χ^2/NDF: 411.7/44

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: 316.295+/-2.096 χ^2/NDF:529.3/5

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 349.880+/-2.561 χ^2/NDF:72.5/3

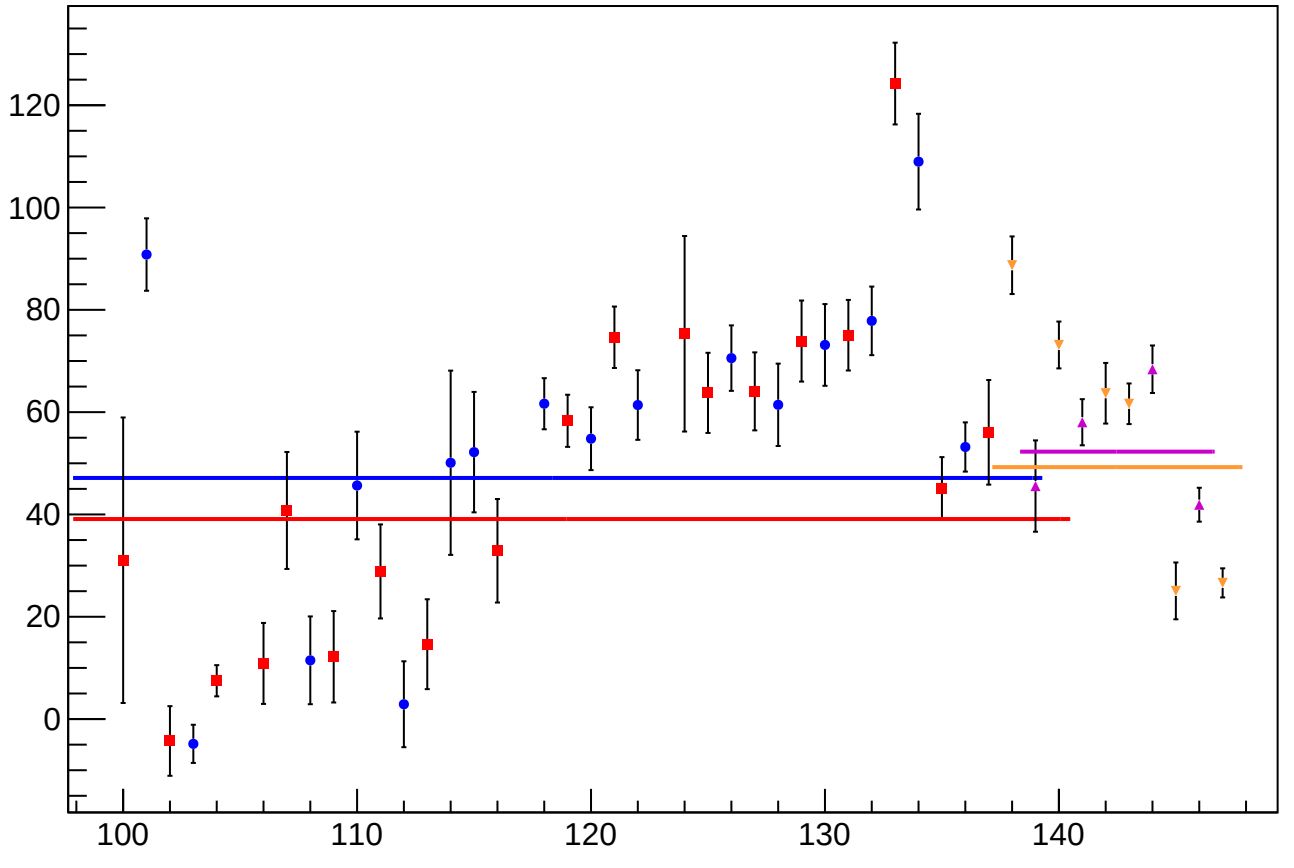
Left: 329.766+/-1.622 χ^2/NDF: 704.8/9

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 272.712+/-1.243 χ^2/NDF:16562.3/19

Out: 261.538+/-1.168 χ^2/NDF:17176.7/24

All: 266.777+/-0.851 χ^2/NDF: 33781.9/44



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 49.255+/-1.749 χ^2/NDF:174.2/5

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 52.278+/-2.240 χ^2/NDF:24.0/3

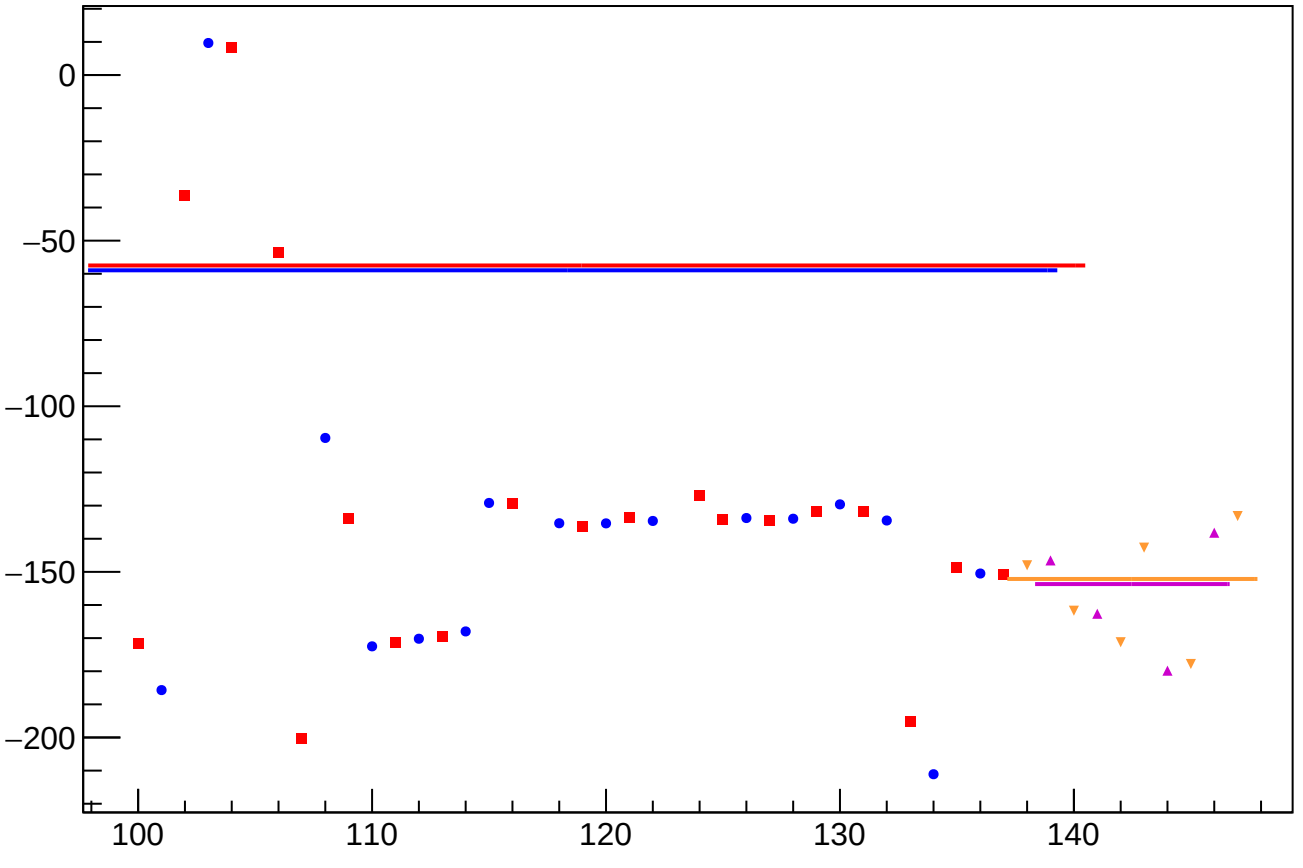
Left: 50.400+/-1.378 χ^2/NDF: 199.3/9

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 48.970+/-1.338 χ^2/NDF:412.8/19

Out: 43.718+/-1.179 χ^2/NDF:609.0/24

All: 46.013+/-0.884 χ^2/NDF: 1030.5/44



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -152.141+/-0.089 χ^2/NDF:30721.9/5

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -153.682+/-0.105 χ^2/NDF:20723.3/3

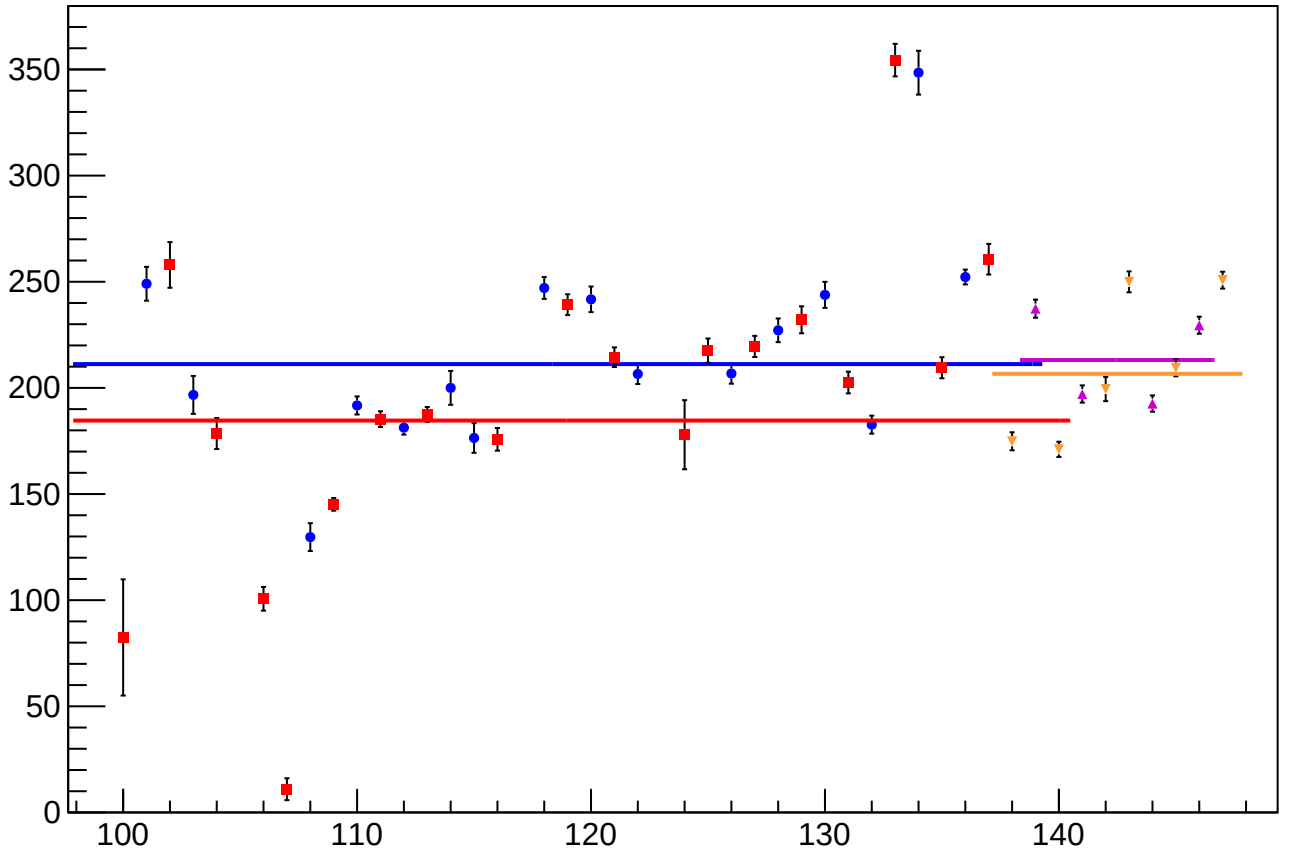
Left: -152.785+/-0.068 χ^2/NDF: 51571.7/9

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -89.764+/-0.060 χ^2/NDF:1801382.6/19

Out: -96.555+/-0.057 χ^2/NDF:1572347.6/24

All: -93.319+/-0.041 χ^2/NDF: 3380516.8/44



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 206.636+/-1.740 χ^2/NDF:357.3/5

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 213.127+/-2.019 χ^2/NDF:92.9/3

Left: 209.403+/-1.318 χ^2/NDF: 456.1/9

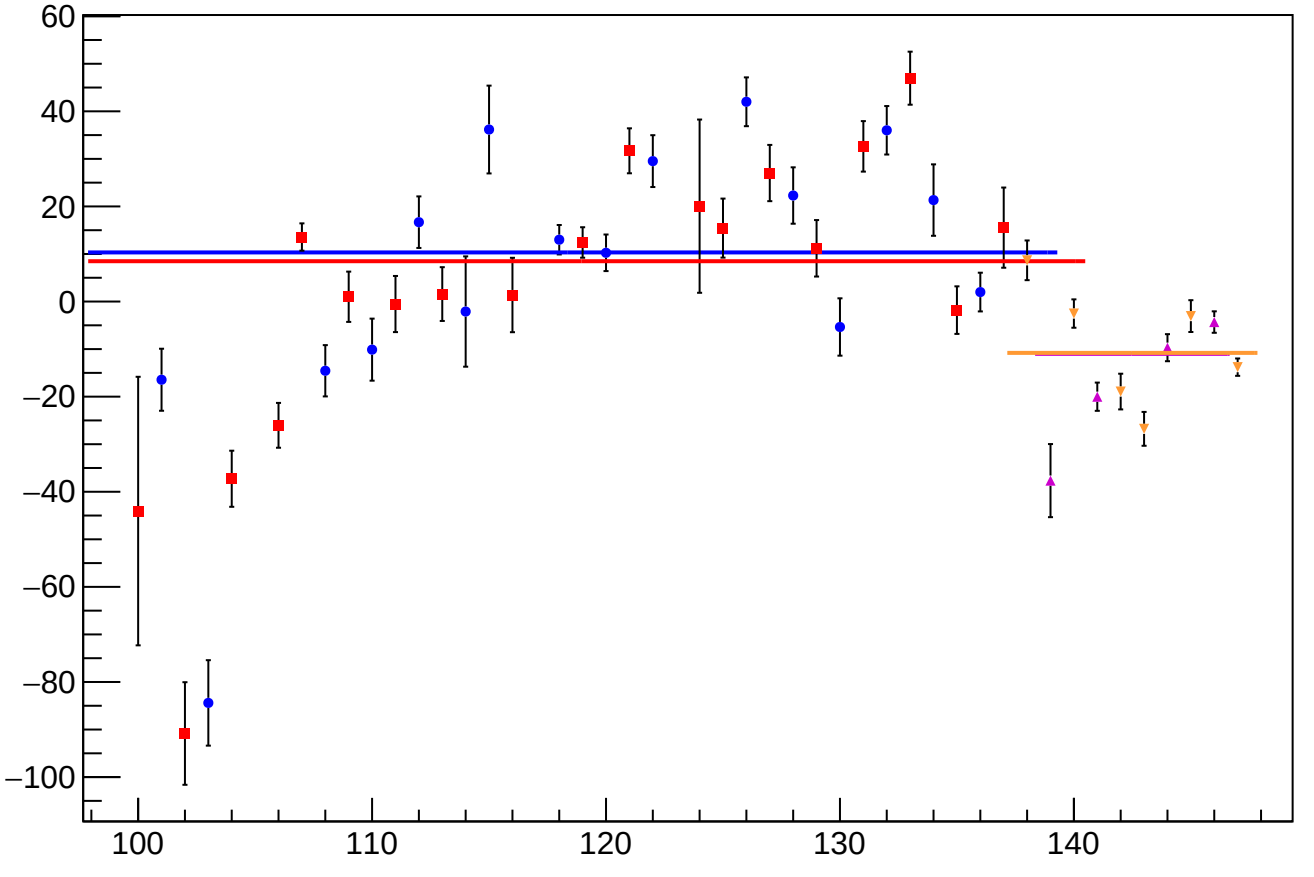
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 211.769+/-1.090 χ^2/NDF:876.5/19

Out: 191.661+/-0.984 χ^2/NDF:3006.5/24

All: 200.690+/-0.731 χ^2/NDF: 4070.4/44

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -10.796+/-1.188 χ^2/NDF:62.3/5

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -11.005+/-1.491 χ^2/NDF:30.2/3

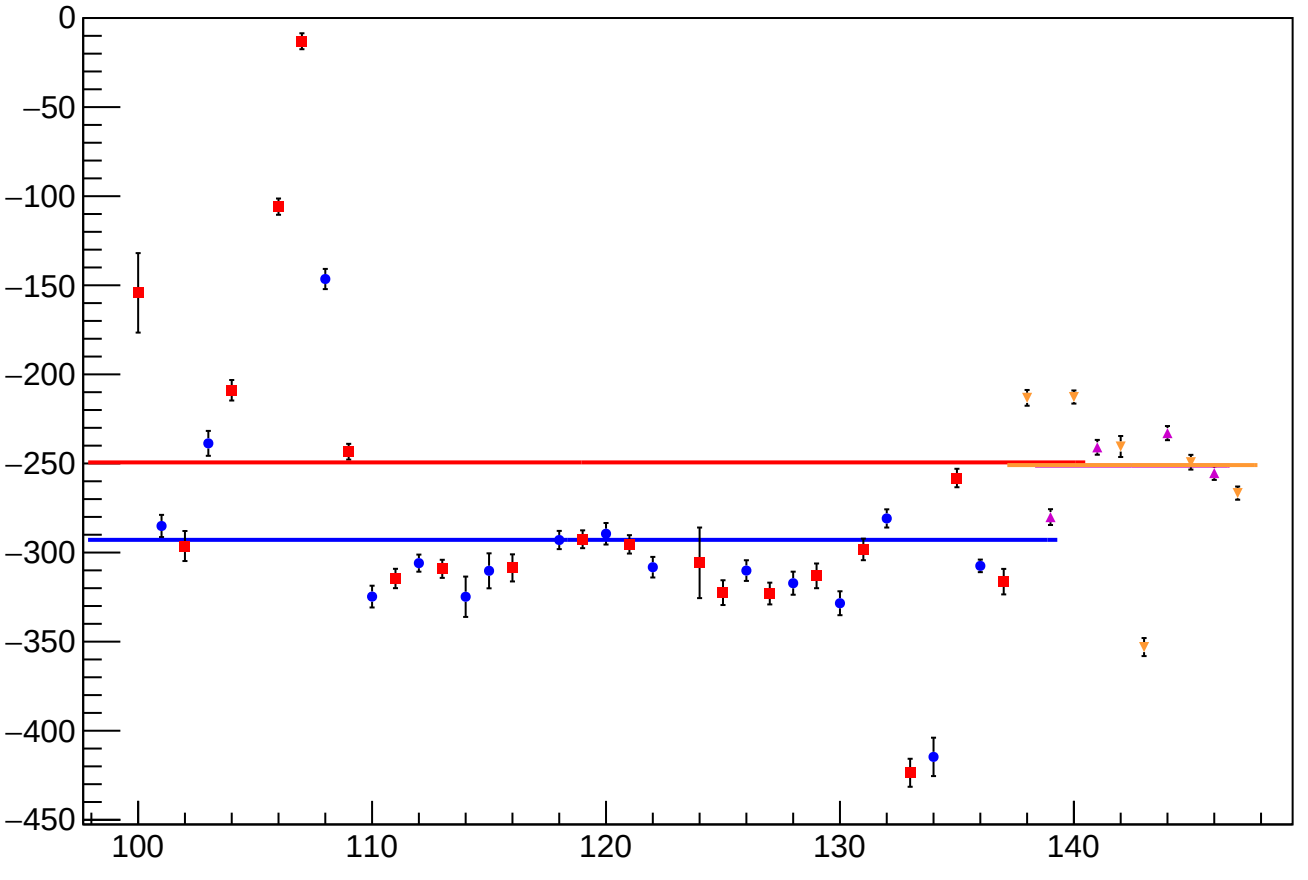
Left: -10.877+/-0.929 χ^2/NDF: 92.5/9

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 0.852+/-0.994 χ^2/NDF:407.3/19

Out: -1.453+/-0.853 χ^2/NDF:512.3/24

All: -0.476+/-0.647 χ^2/NDF: 922.7/44



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.910+/-1.758 χ^2/NDF:608.3/5

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -251.211+/-2.042 χ^2/NDF:70.8/3

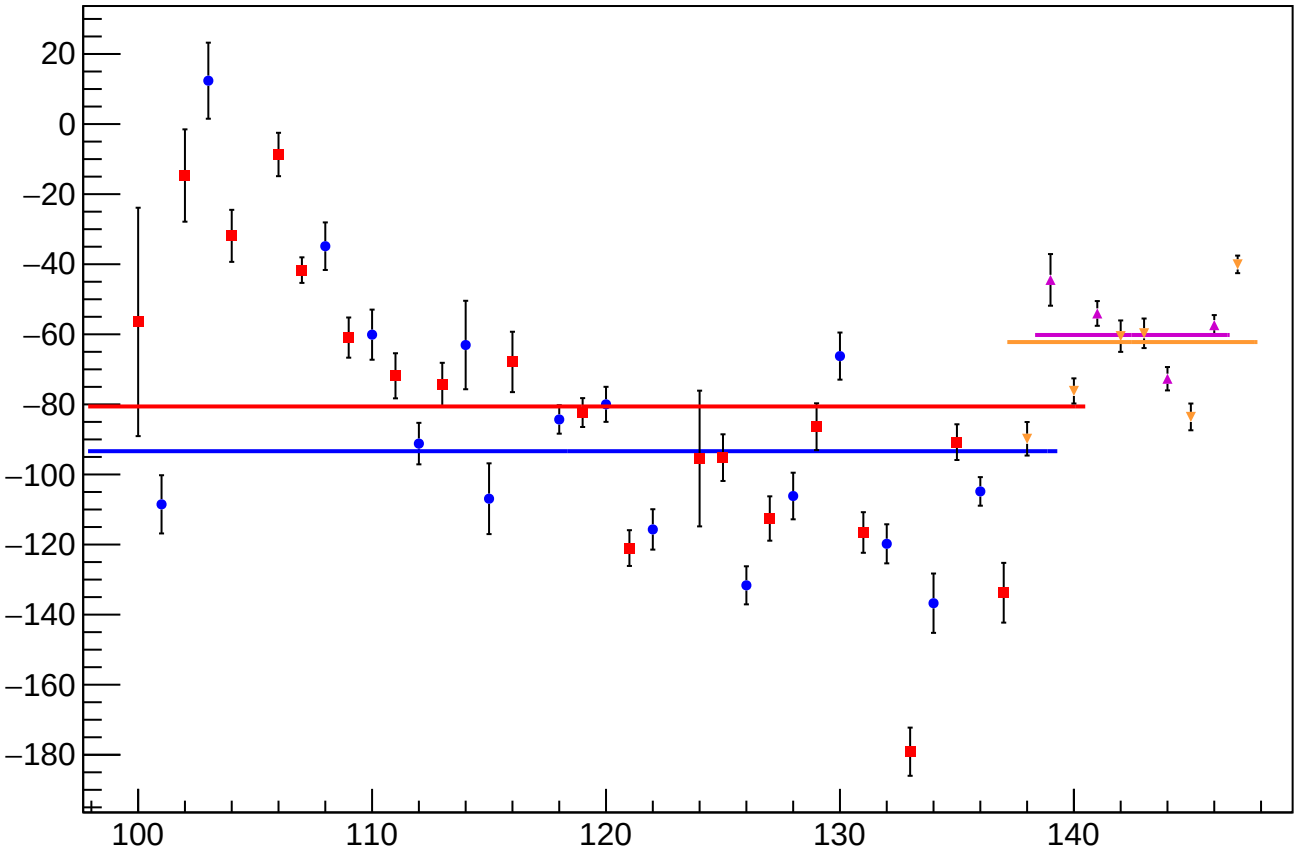
Left: -251.038+/-1.332 χ^2/NDF: 679.1/9

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -278.686+/-1.192 χ^2/NDF:1328.7/19

Out: -249.974+/-1.080 χ^2/NDF:5977.2/24

All: -262.920+/-0.800 χ^2/NDF: 7624.6/44



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -62.213+/-1.482 χ^2/NDF:158.5/5

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -60.192+/-1.797 χ^2/NDF:22.6/3

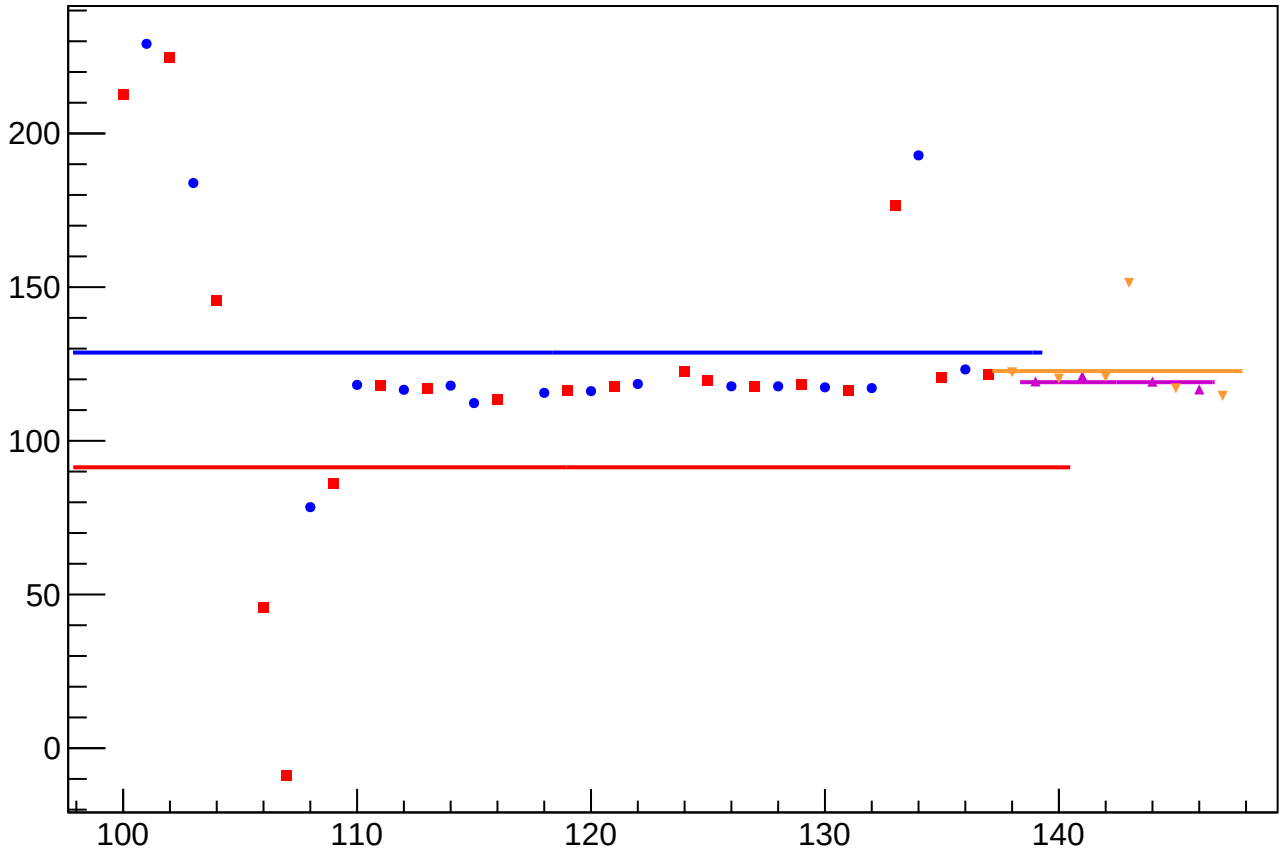
Left: -61.395+/-1.143 χ^2/NDF: 181.8/9

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -79.370+/-1.167 χ^2/NDF:574.9/19

Out: -71.768+/-1.027 χ^2/NDF:953.8/24

All: -75.086+/-0.771 χ^2/NDF: 1552.7/44



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 122.693+/-0.074 χ^2/NDF:22331.2/5

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 119.074+/-0.084 χ^2/NDF:344.0/3

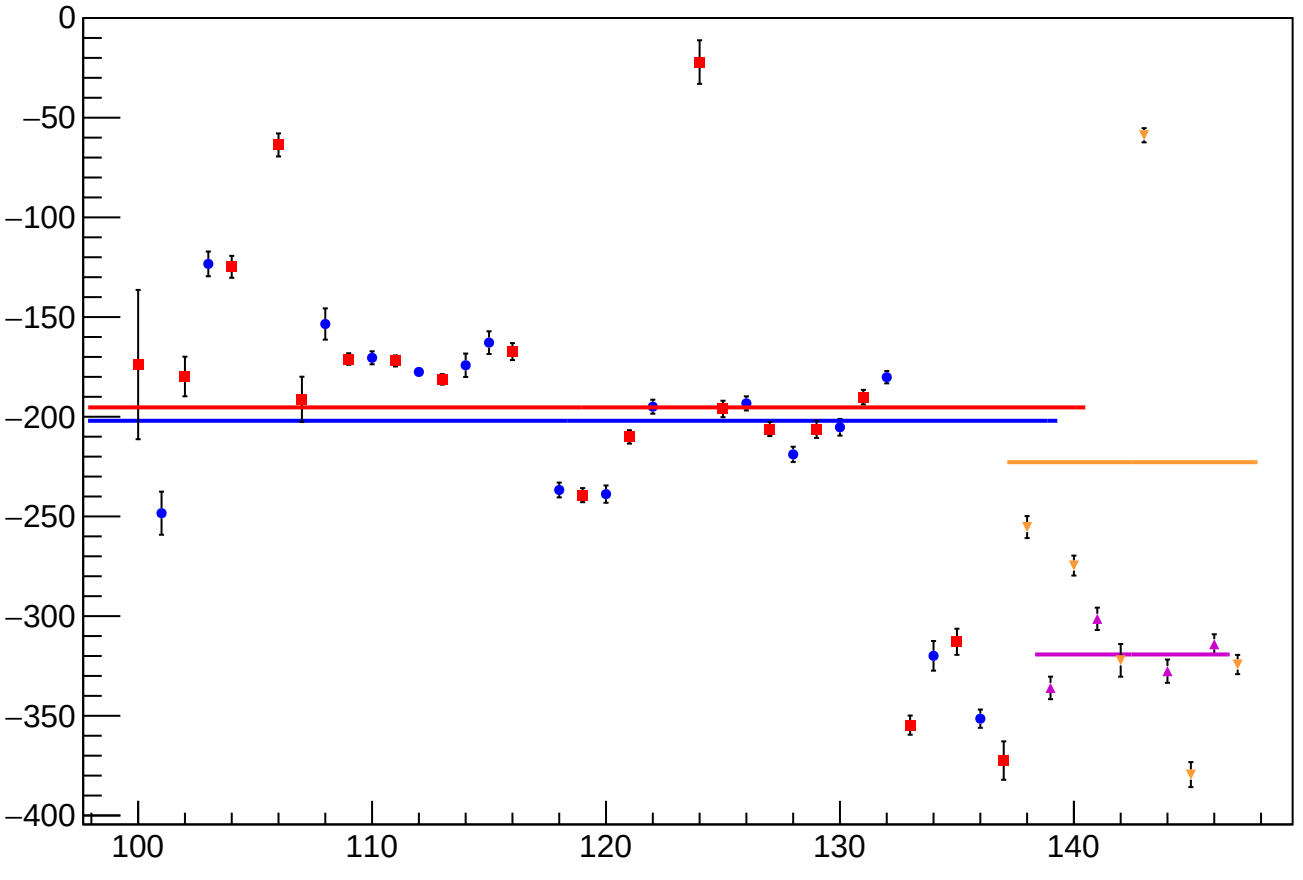
Left: 121.106+/-0.056 χ^2/NDF: 23722.1/9

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 123.597+/-0.061 χ^2/NDF:190076.9/19

Out: 108.056+/-0.054 χ^2/NDF:710748.0/24

All: 114.885+/-0.040 χ^2/NDF: 937146.2/44



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -222.793+/-2.063 χ^2/NDF:3478.1/5

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -319.229+/-2.745 χ^2/NDF:22.1/3

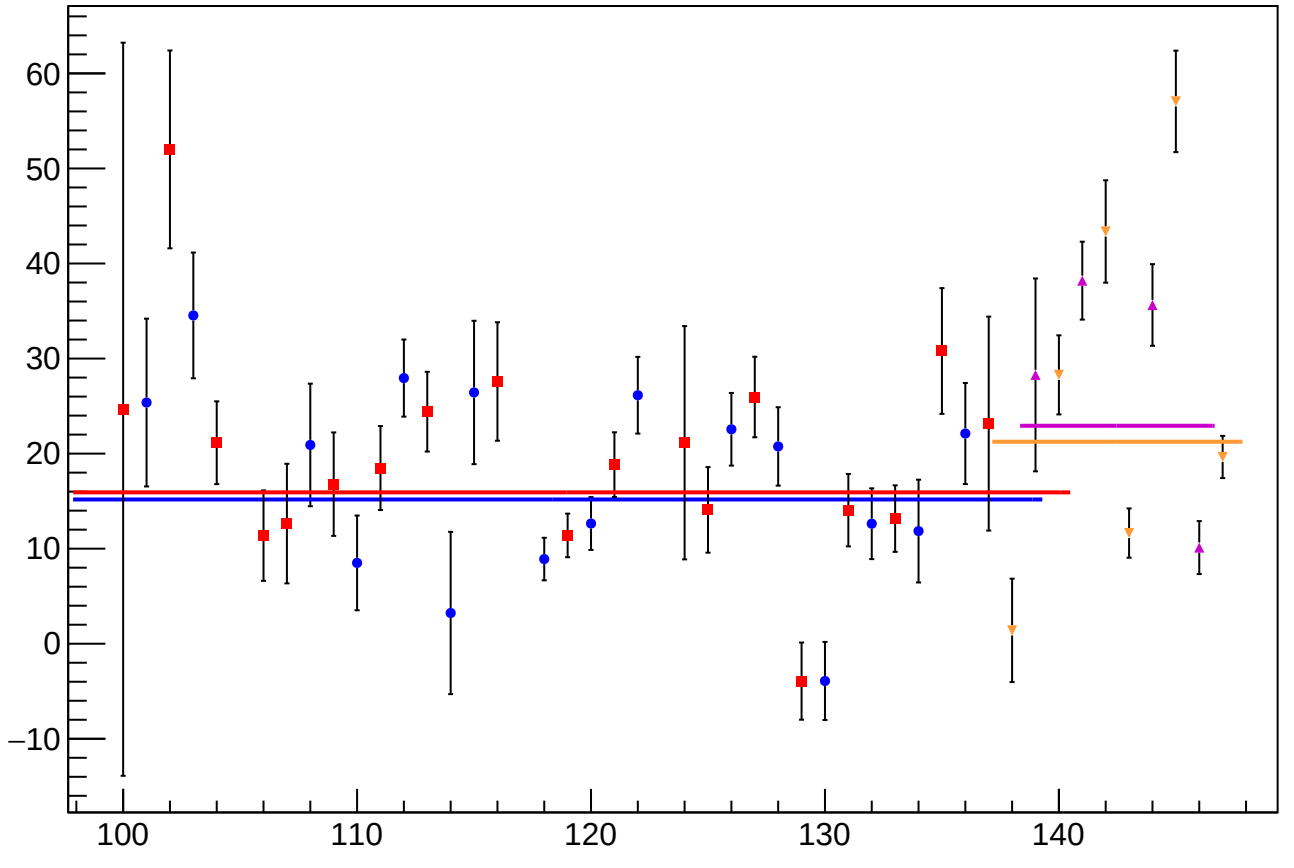
Left: -257.593+/-1.649 χ^2/NDF: 4288.9/9

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -216.336+/-0.959 χ^2/NDF:3662.5/19

Out: -200.321+/-0.881 χ^2/NDF:6724.0/24

All: -207.645+/-0.649 χ^2/NDF: 10537.7/44



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 21.251+/-1.396 χ^2/NDF:92.3/5

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 22.930+/-1.991 χ^2/NDF:44.1/3

Left: 21.805+/-1.143 χ^2/NDF: 136.8/9

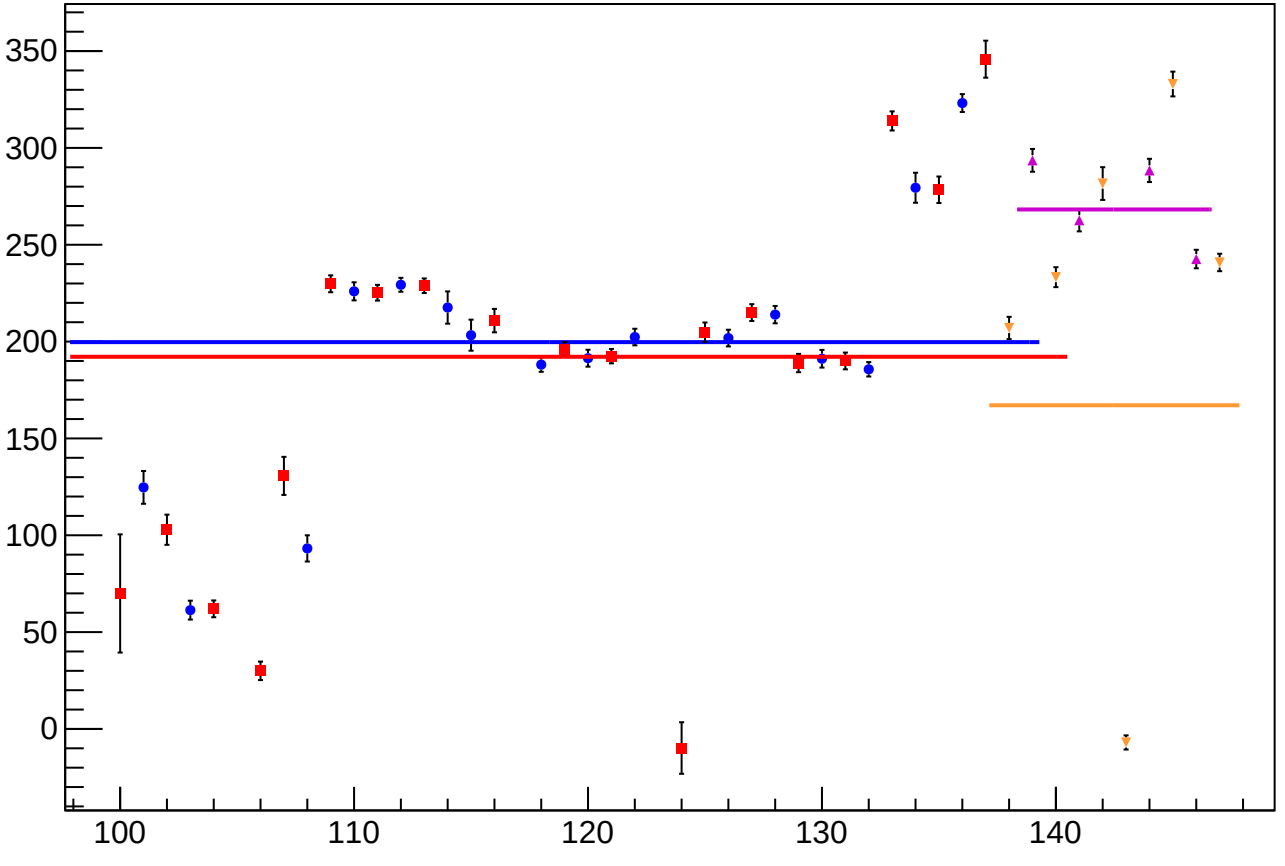
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 16.857+/-0.927 χ^2/NDF:128.3/19

Out: 17.818+/-0.832 χ^2/NDF:165.2/24

All: 17.389+/-0.619 χ^2/NDF: 294.1/44

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 167.125+/-2.083 χ^2/NDF:3599.9/5

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 268.219+/-2.767 χ^2/NDF:59.5/3

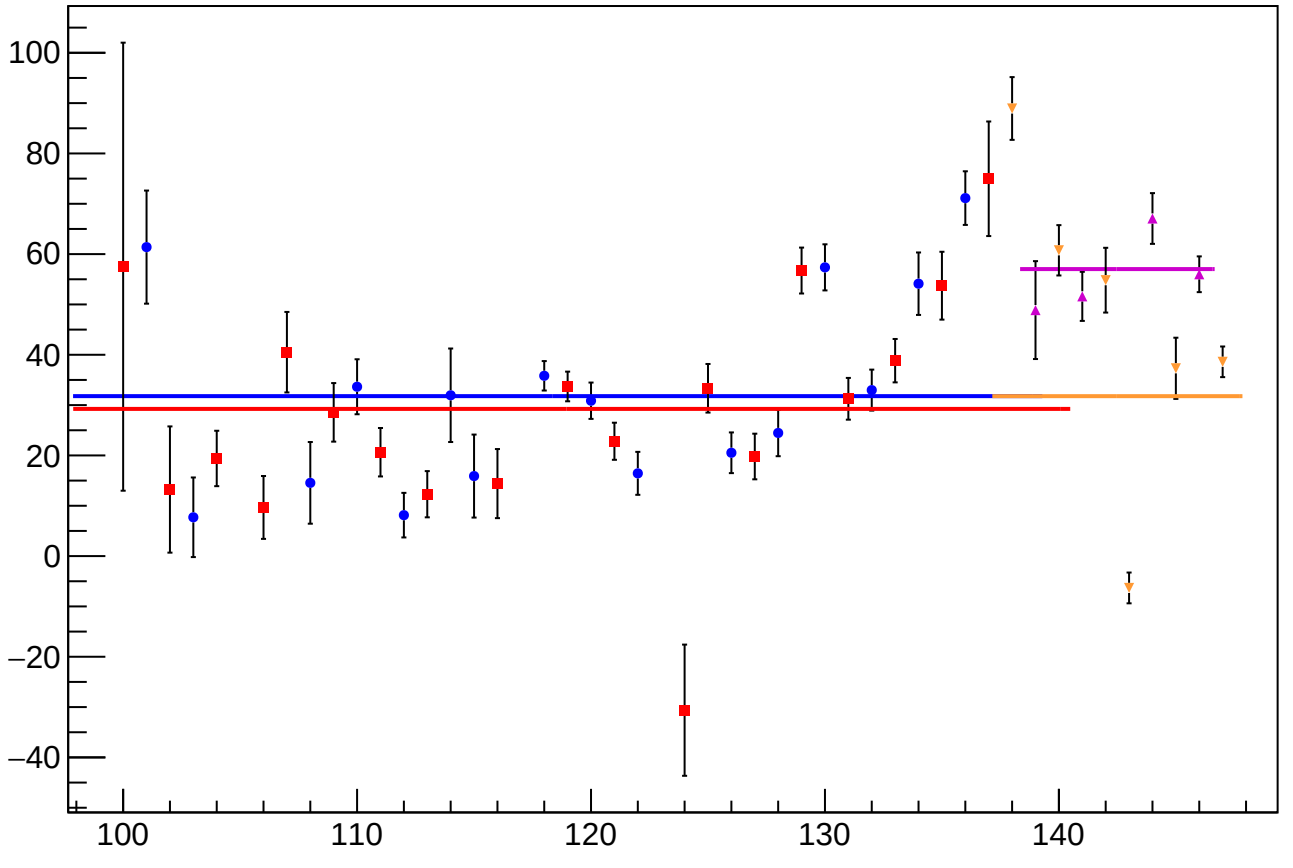
Left: 203.704+/-1.664 χ^2/NDF: 4511.5/9

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 210.503+/-1.098 χ^2/NDF:2677.6/19

Out: 186.306+/-1.007 χ^2/NDF:7487.7/24

All: 197.366+/-0.742 χ^2/NDF: 10429.1/44



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 31.774+/-1.736 χ^2/NDF:291.5/5

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 57.026+/-2.417 χ^2/NDF:6.0/3

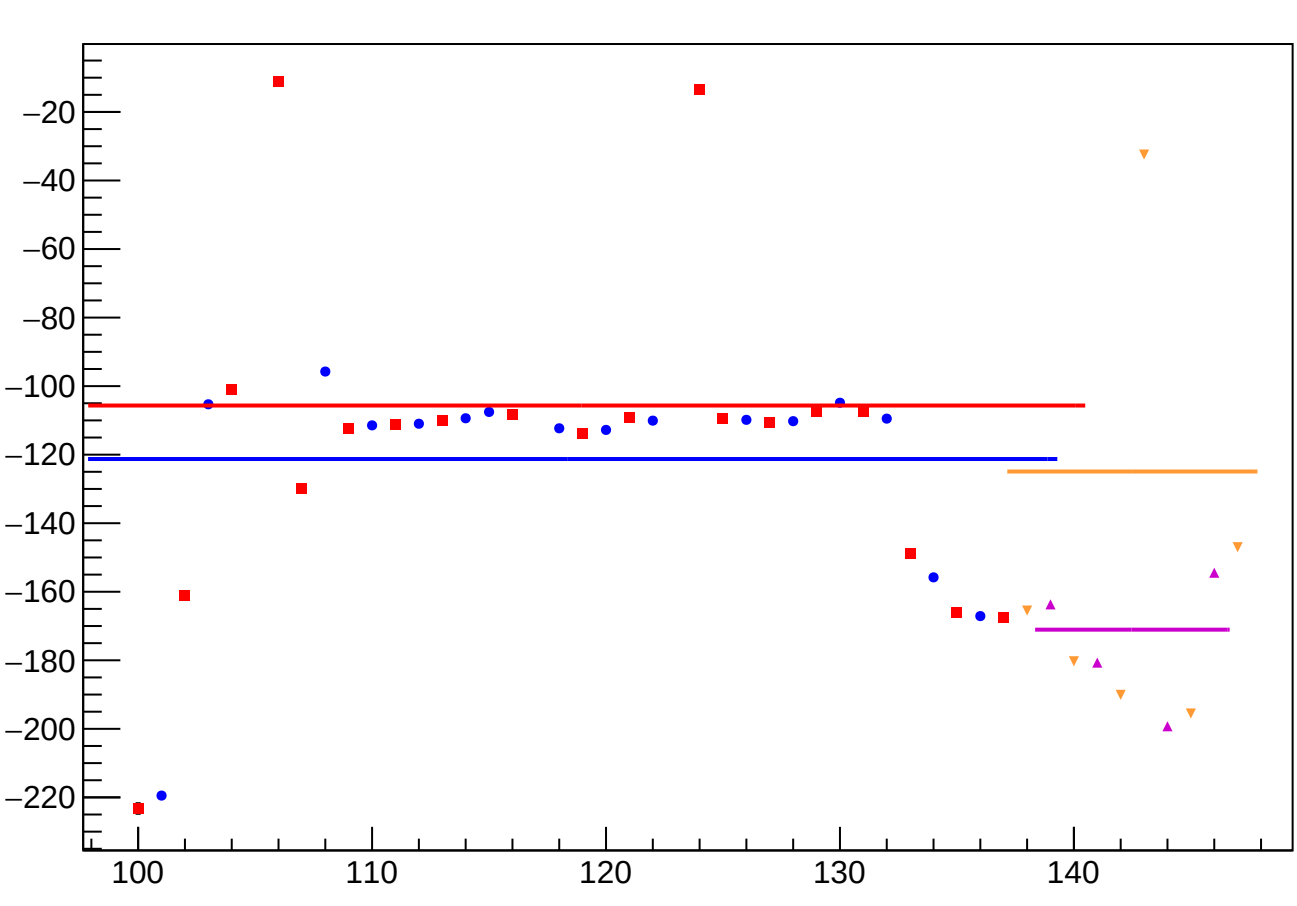
Left: 40.370+/-1.410 χ^2/NDF: 369.5/9

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 36.885+/-1.087 χ^2/NDF:270.0/19

Out: 30.059+/-0.985 χ^2/NDF:433.9/24

All: 33.139+/-0.730 χ^2/NDF: 725.6/44



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -124.915+/-0.088 χ^2/NDF:584590.9/5

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -171.061+/-0.113 χ^2/NDF:20416.8/3

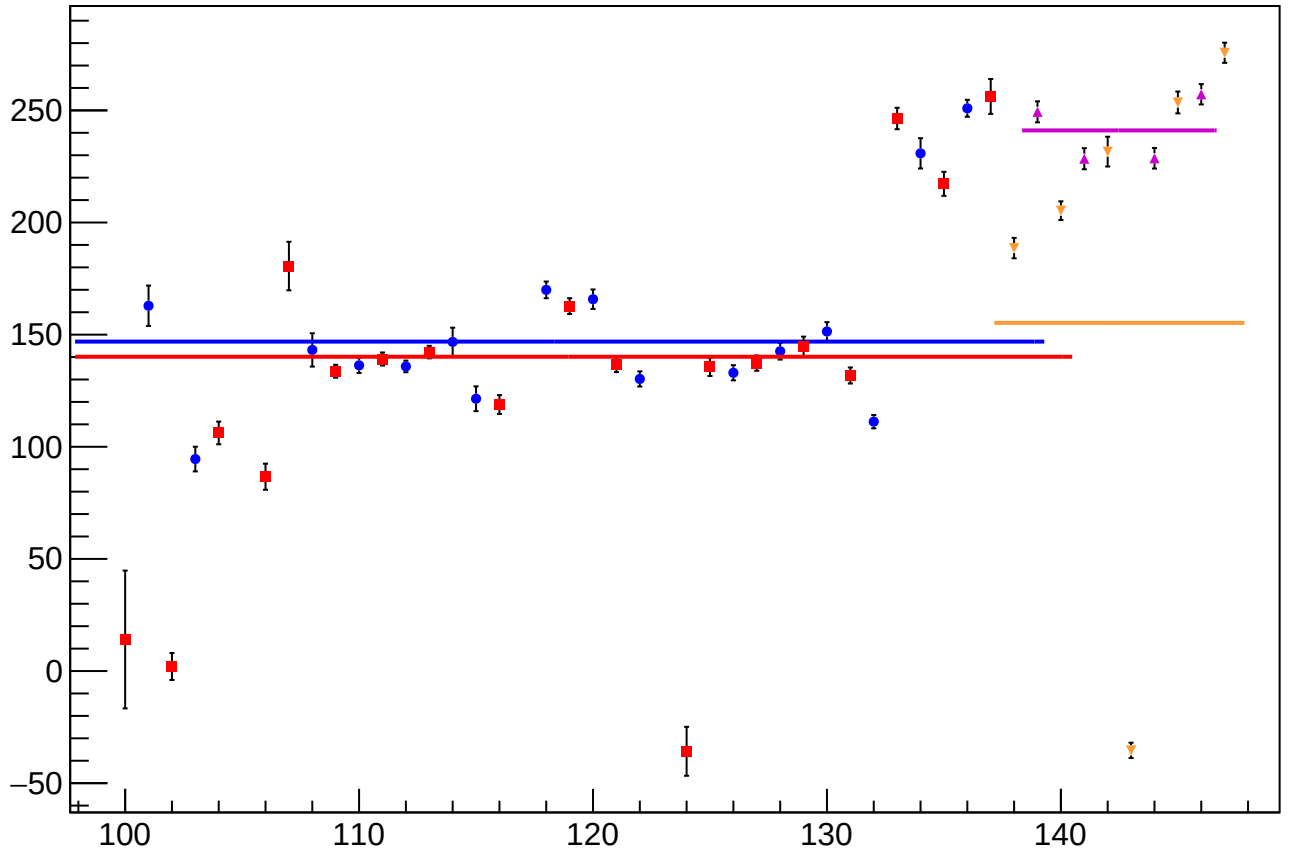
Left: -142.258+/-0.069 χ^2/NDF: 708971.8/9

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -137.663+/-0.065 χ^2/NDF:269888.4/19

Out: -113.752+/-0.057 χ^2/NDF:967603.8/24

All: -124.143+/-0.043 χ^2/NDF: 1314288.0/44



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 155.249+/-1.809 χ^2/NDF:4562.3/5

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 241.068+/-2.313 χ^2/NDF:30.3/3

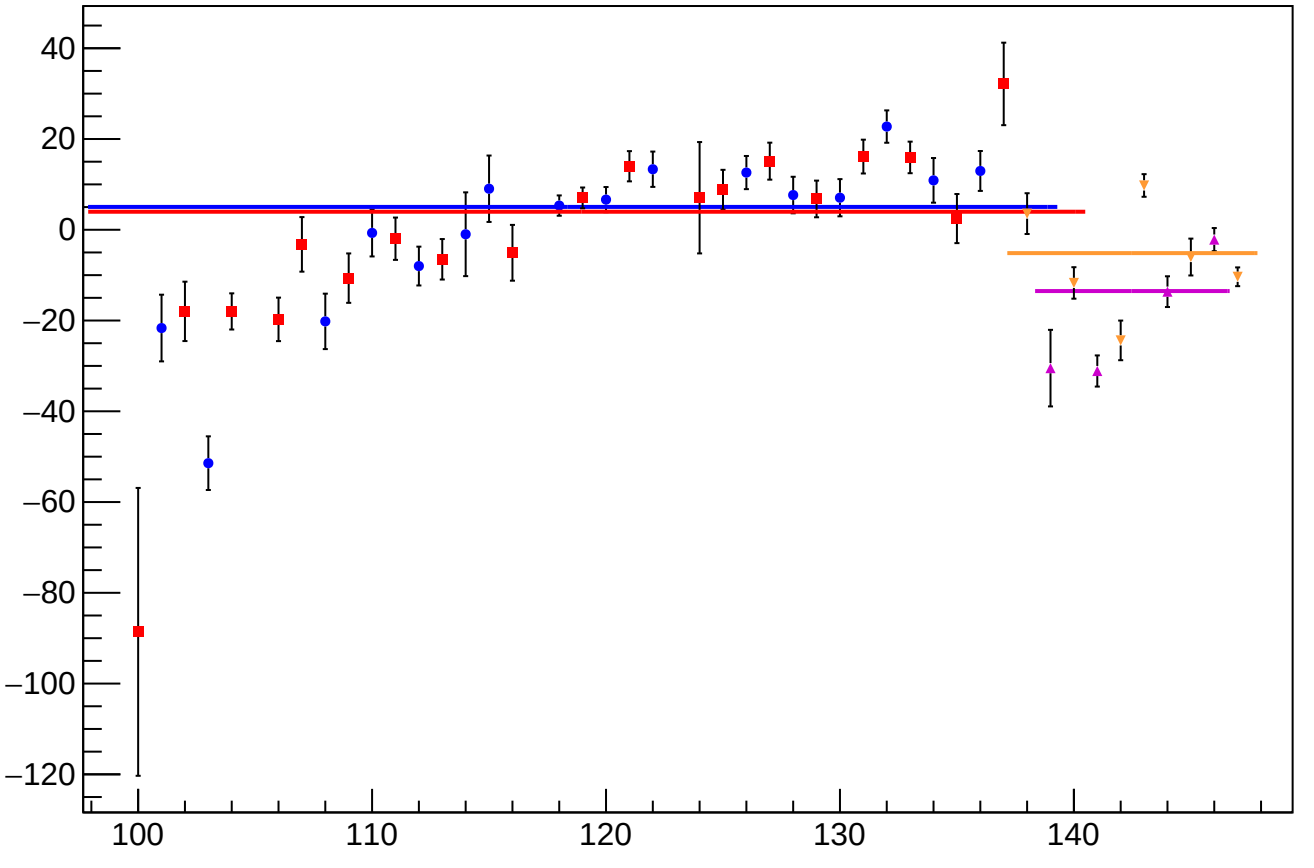
Left: 187.830+/-1.425 χ^2/NDF: 5446.7/9

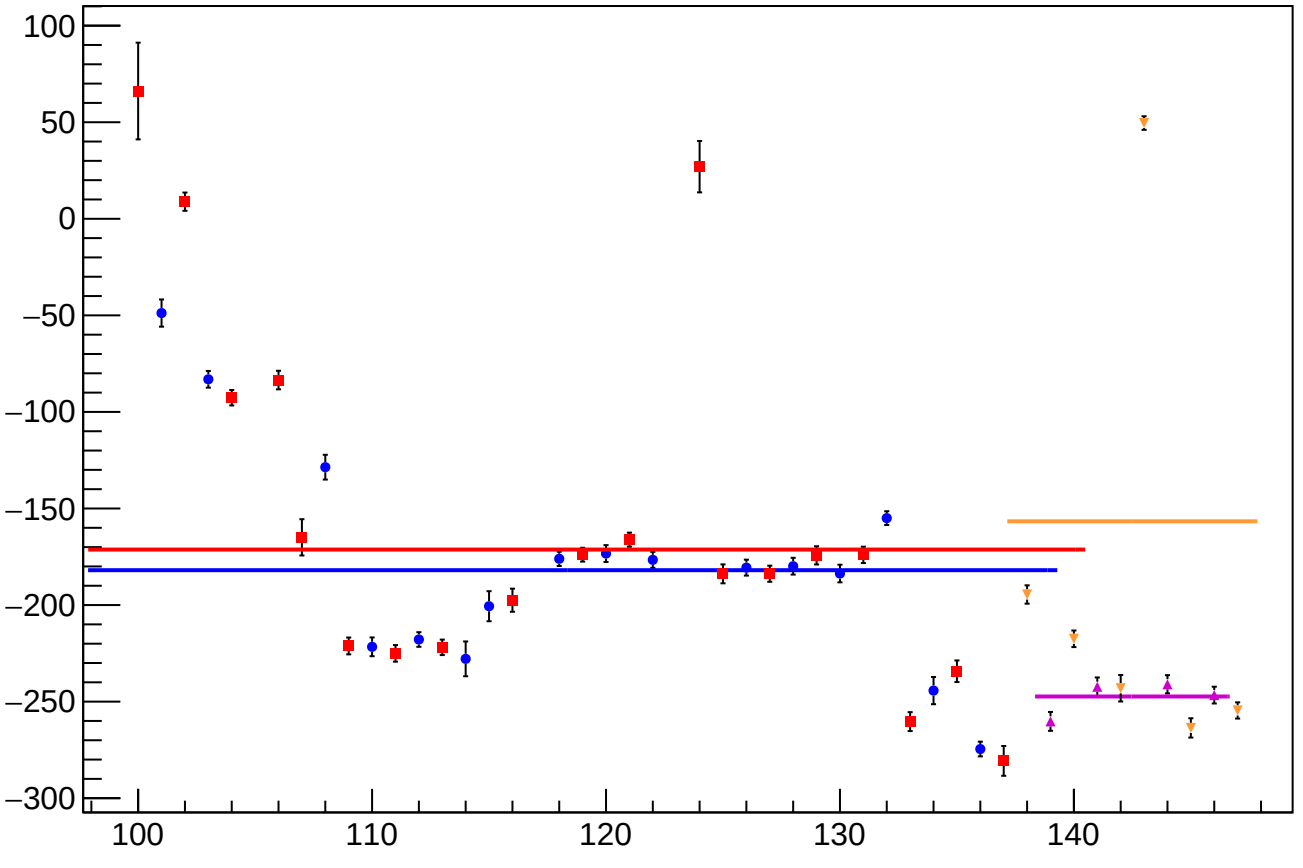
Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 161.818+/-0.920 χ^2/NDF:2727.3/19

Out: 143.469+/-0.848 χ^2/NDF:6567.2/24

All: 151.894+/-0.624 χ^2/NDF: 9509.4/44


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
Right In: 5.037+/-1.021 χ²/NDF: 171.9/15
Left Out: -5.145+/-1.249 χ²/NDF:68.9/5
Right Out: 3.974+/-1.012 χ²/NDF: 144.9/18
Left In: -13.505+/-1.715 χ²/NDF:50.2/3
Left: -8.043+/-1.010 χ²/NDF: 134.5/9
Right: 4.501+/-0.719 χ²/NDF: 317.3/34
In: 0.188+/-0.877 χ²/NDF:308.3/19
Out: 0.362+/-0.786 χ²/NDF:245.9/24
All: 0.284+/-0.586 χ²/NDF: 554.3/44



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -156.648+/-1.833 χ^2/NDF:4866.1/5

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -247.343+/-2.339 χ^2/NDF:9.9/3

Left: -191.149+/-1.443 χ^2/NDF: 5807.6/9

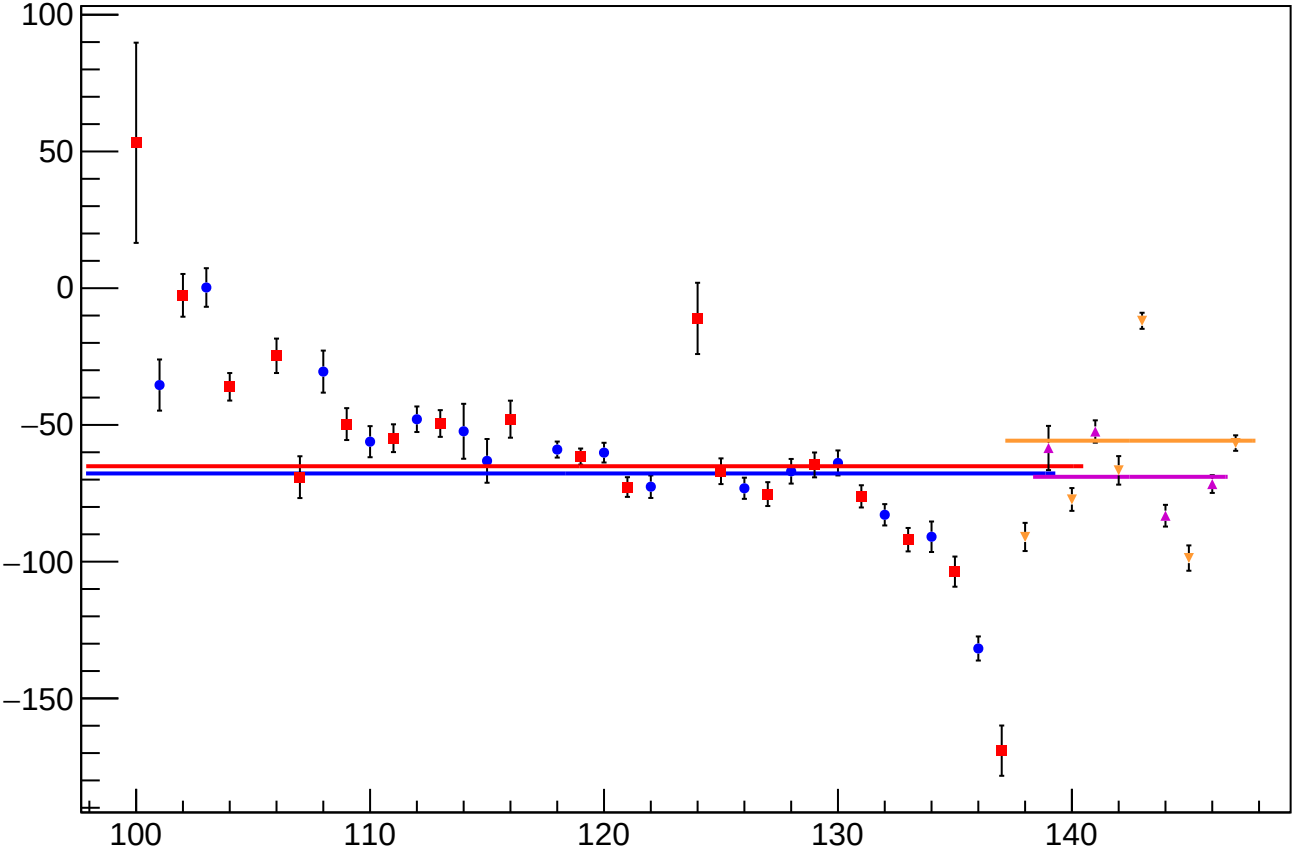
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -194.749+/-1.035 χ^2/NDF:2509.0/19

Out: -167.334+/-0.950 χ^2/NDF:8540.8/24

All: -179.873+/-0.700 χ^2/NDF: 11430.6/44

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: -55.762+/-1.545 χ^2/NDF:386.0/5

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -68.974+/-2.069 χ^2/NDF:31.6/3

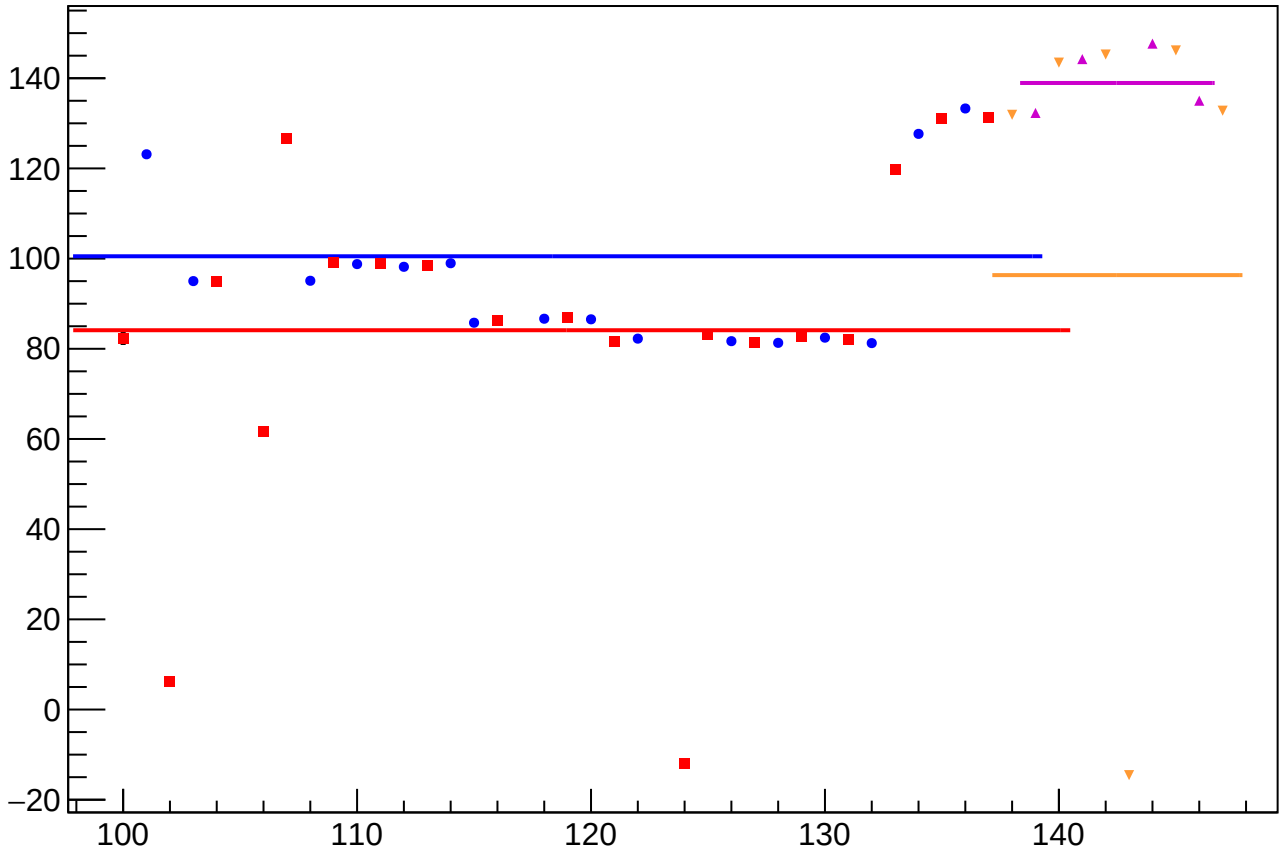
Left: -60.494+/-1.238 χ^2/NDF: 443.8/9

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -68.047+/-1.026 χ^2/NDF:445.9/19

Out: -61.713+/-0.931 χ^2/NDF:838.4/24

All: -64.575+/-0.689 χ^2/NDF: 1305.2/44



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 96.338+/-0.077 χ^2/NDF:804351.4/5

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 138.947+/-0.096 χ^2/NDF:4319.2/3

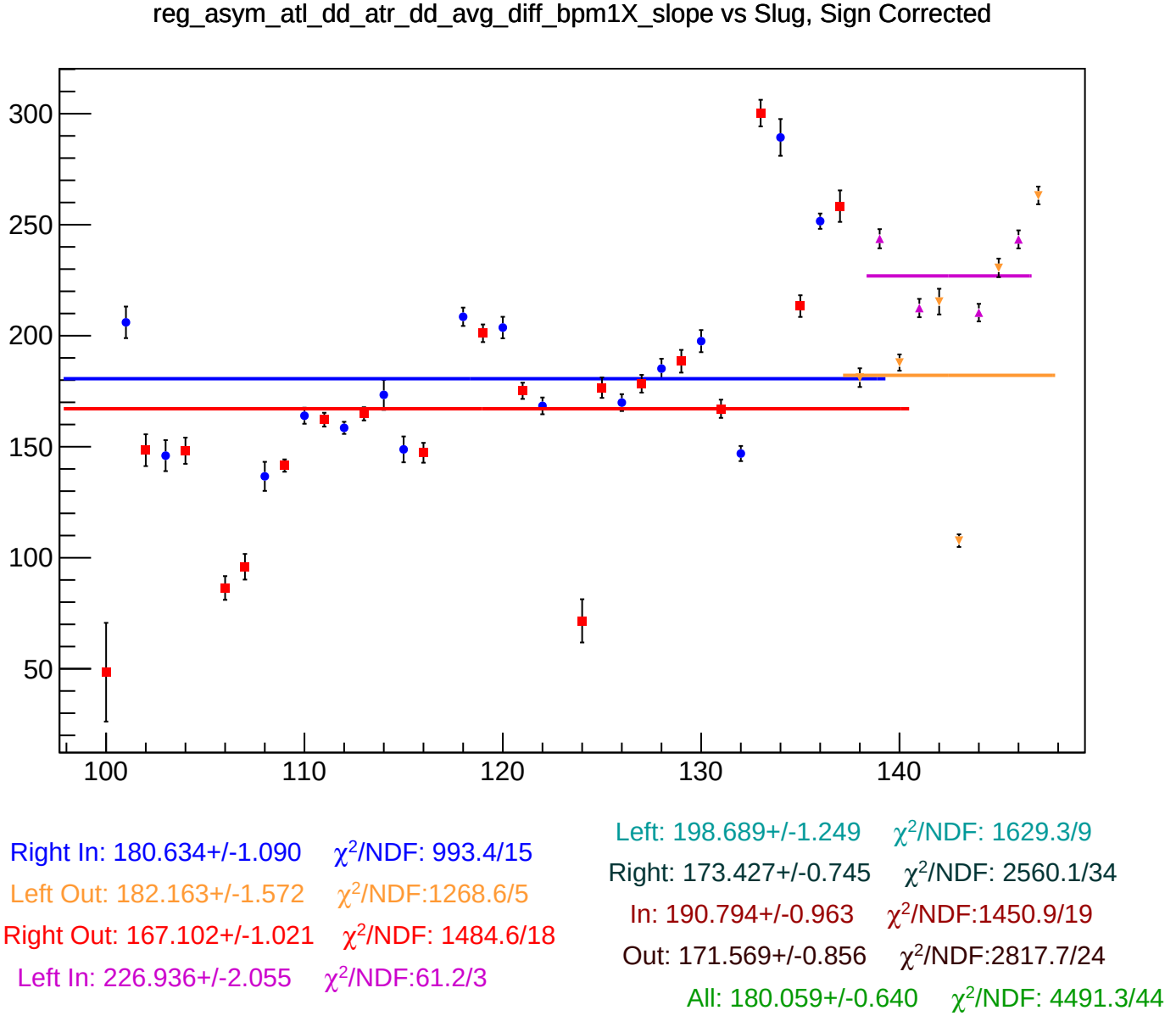
Left: 113.116+/-0.060 χ^2/NDF: 929251.0/9

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

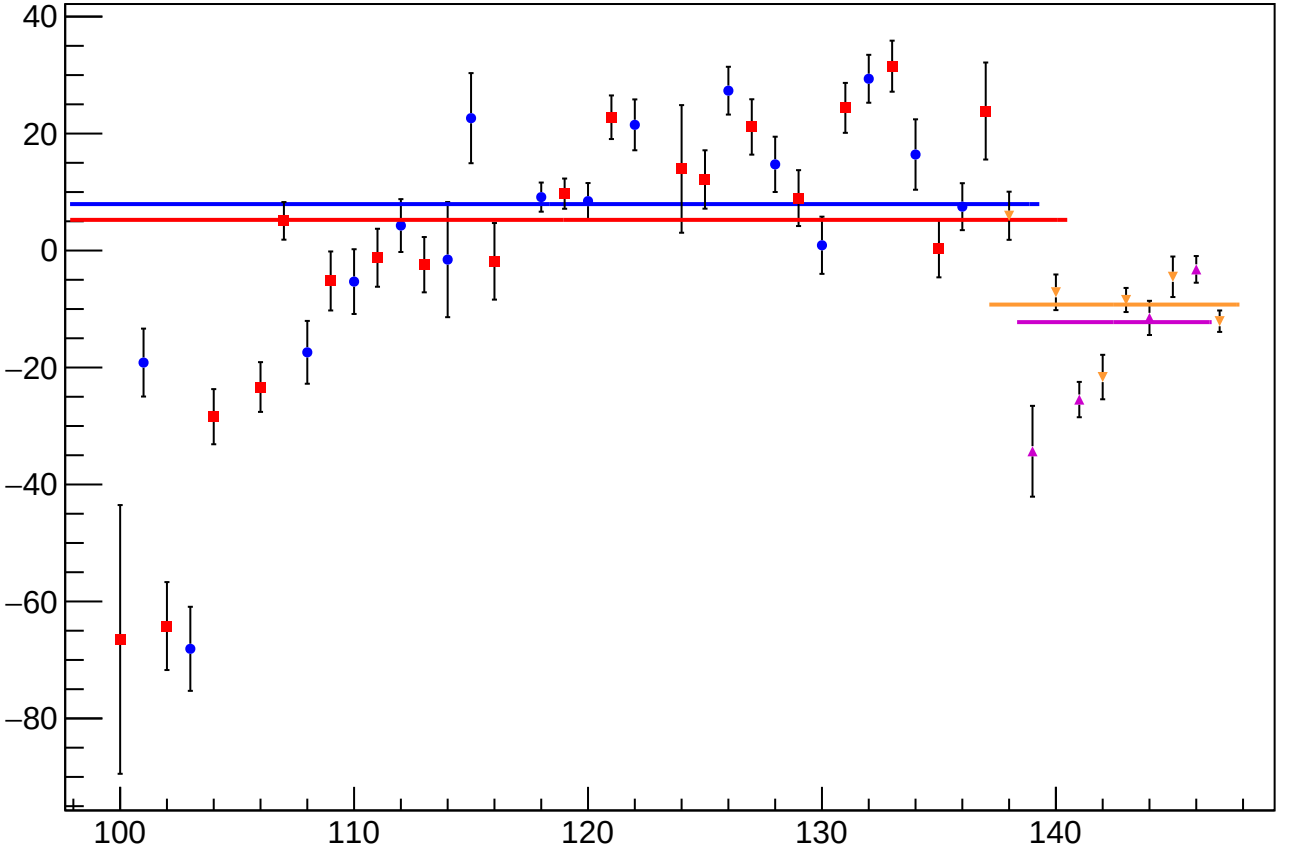
In: 114.918+/-0.058 χ^2/NDF:172950.1/19

Out: 89.577+/-0.051 χ^2/NDF:1082076.8/24

All: 100.638+/-0.039 χ^2/NDF: 1360823.1/44


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
Right In: 180.634+/-1.090 χ²/NDF: 993.4/15
Left Out: 182.163+/-1.572 χ²/NDF:1268.6/5
Right Out: 167.102+/-1.021 χ²/NDF: 1484.6/18
Left In: 226.936+/-2.055 χ²/NDF:61.2/3
Left: 198.689+/-1.249 χ²/NDF: 1629.3/9
Right: 173.427+/-0.745 χ²/NDF: 2560.1/34
In: 190.794+/-0.963 χ²/NDF:1450.9/19
Out: 171.569+/-0.856 χ²/NDF:2817.7/24
All: 180.059+/-0.640 χ²/NDF: 4491.3/44

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: -9.238+/-1.083 χ^2/NDF:29.2/5

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

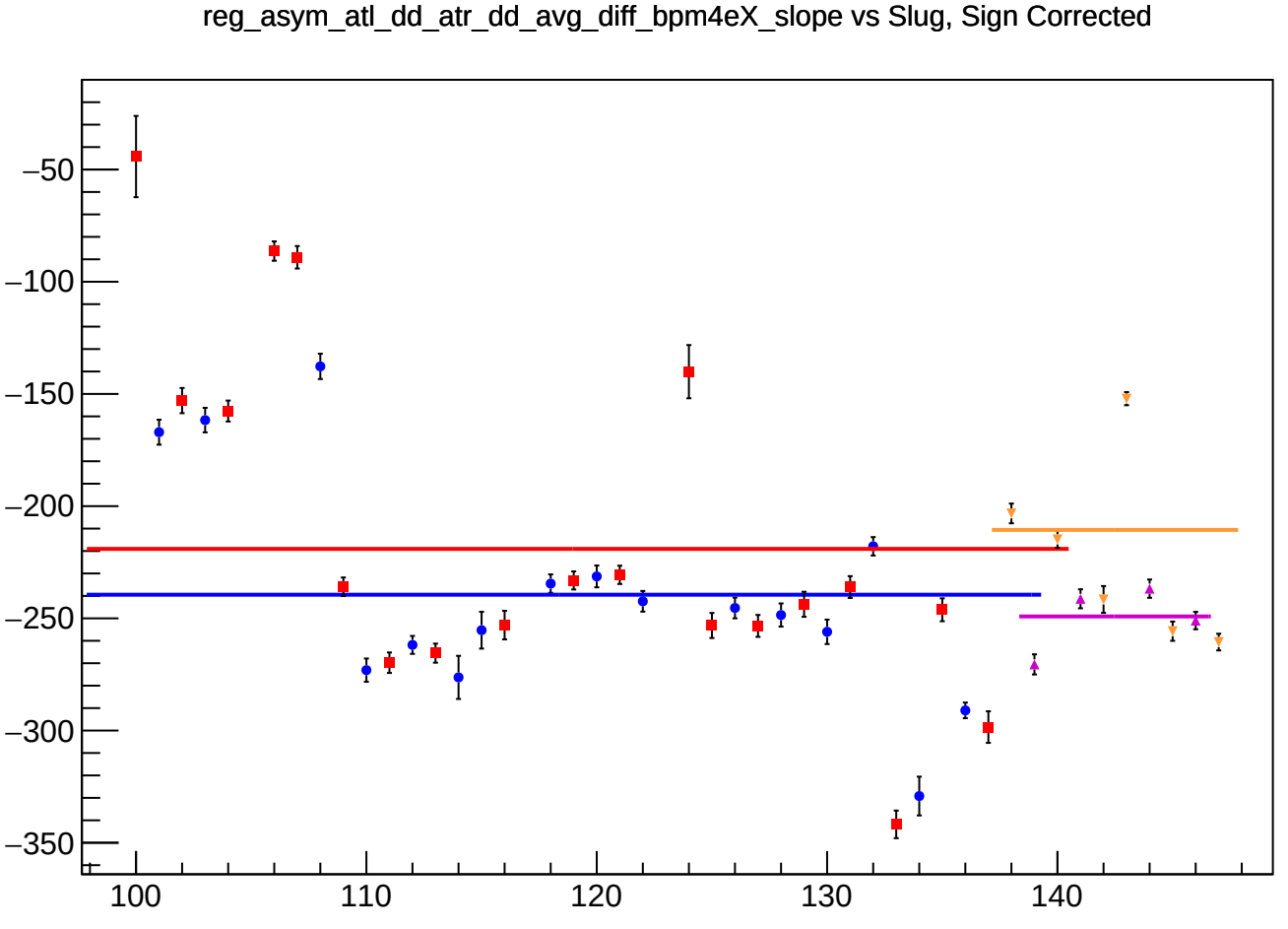
Left: -10.252+/-0.881 χ^2/NDF: 74.7/9

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.871+/-0.897 χ^2/NDF:391.0/19

Out: -1.857+/-0.758 χ^2/NDF:423.2/24

All: -0.720+/-0.579 χ^2/NDF: 819.7/44



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -210.593+/-1.593 χ^2/NDF:722.6/5

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

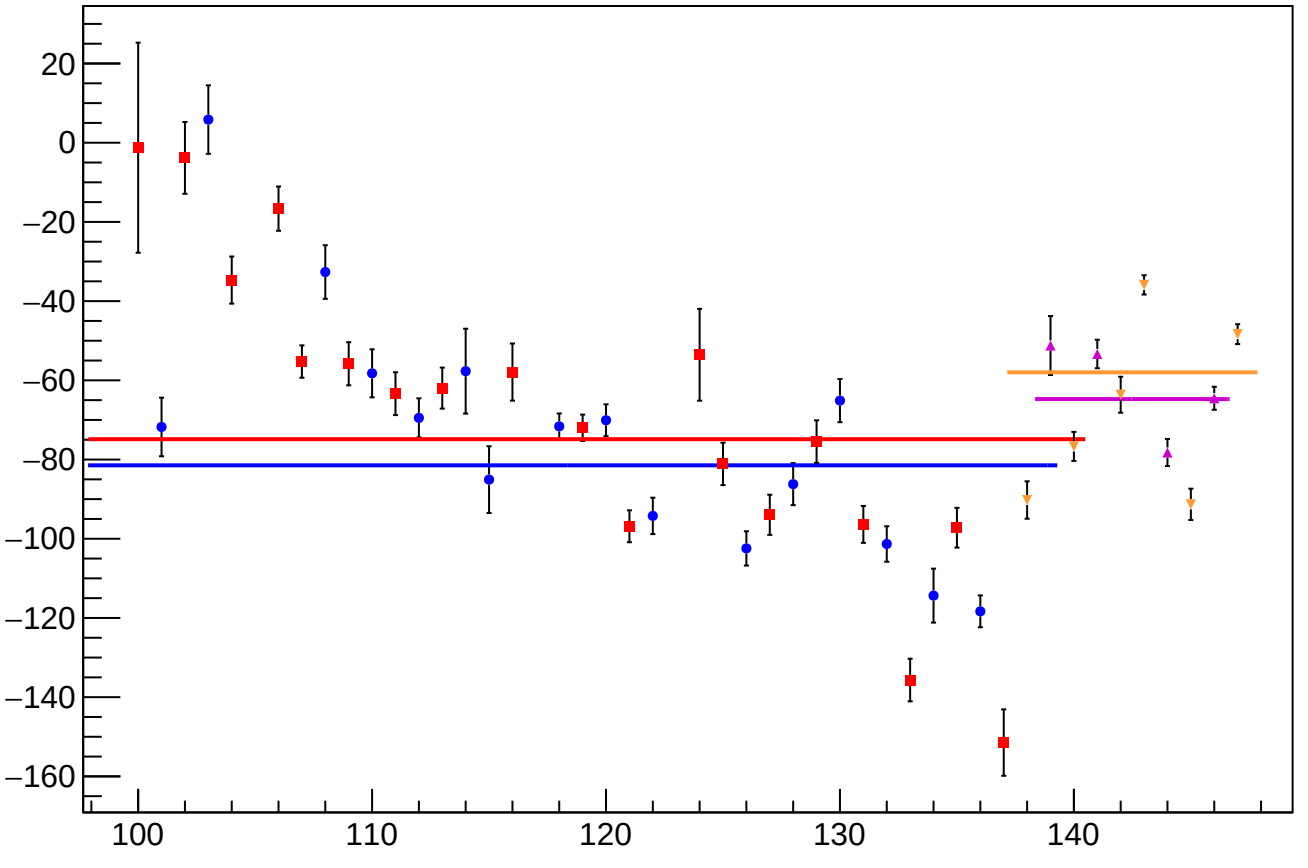
Left: -224.864+/-1.264 χ^2/NDF: 974.9/9

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.027+/-1.068 χ^2/NDF:1213.7/19

Out: -216.068+/-0.946 χ^2/NDF:3790.1/24

All: -227.481+/-0.708 χ^2/NDF: 5334.7/44



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -57.974+/-1.338 χ^2/NDF:242.0/5

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

Left: -60.331+/-1.080 χ^2/NDF: 279.7/9

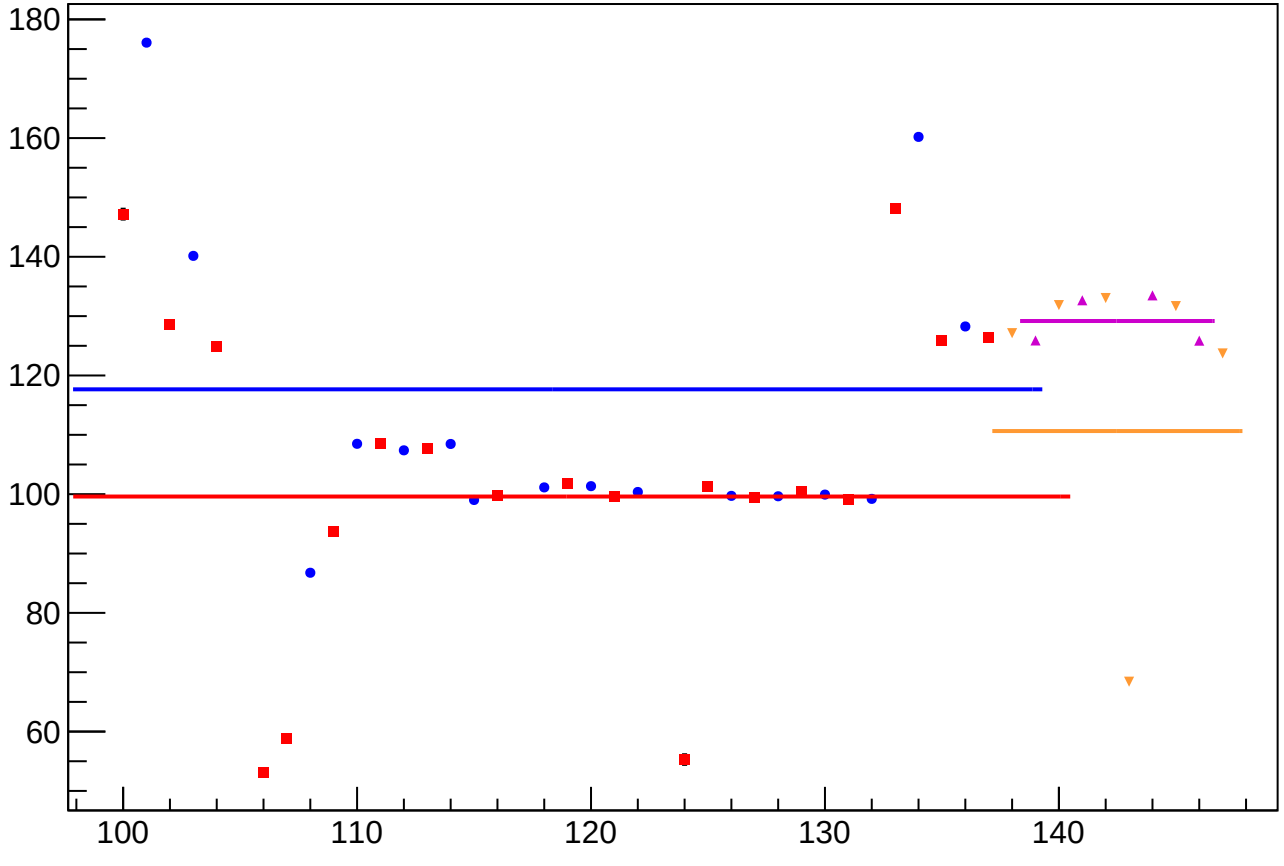
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.918+/-1.052 χ^2/NDF:451.3/19

Out: -67.128+/-0.906 χ^2/NDF:905.0/24

All: -70.868+/-0.686 χ^2/NDF: 1396.4/44

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 110.637+/-0.067 χ^2/NDF:175137.6/5

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

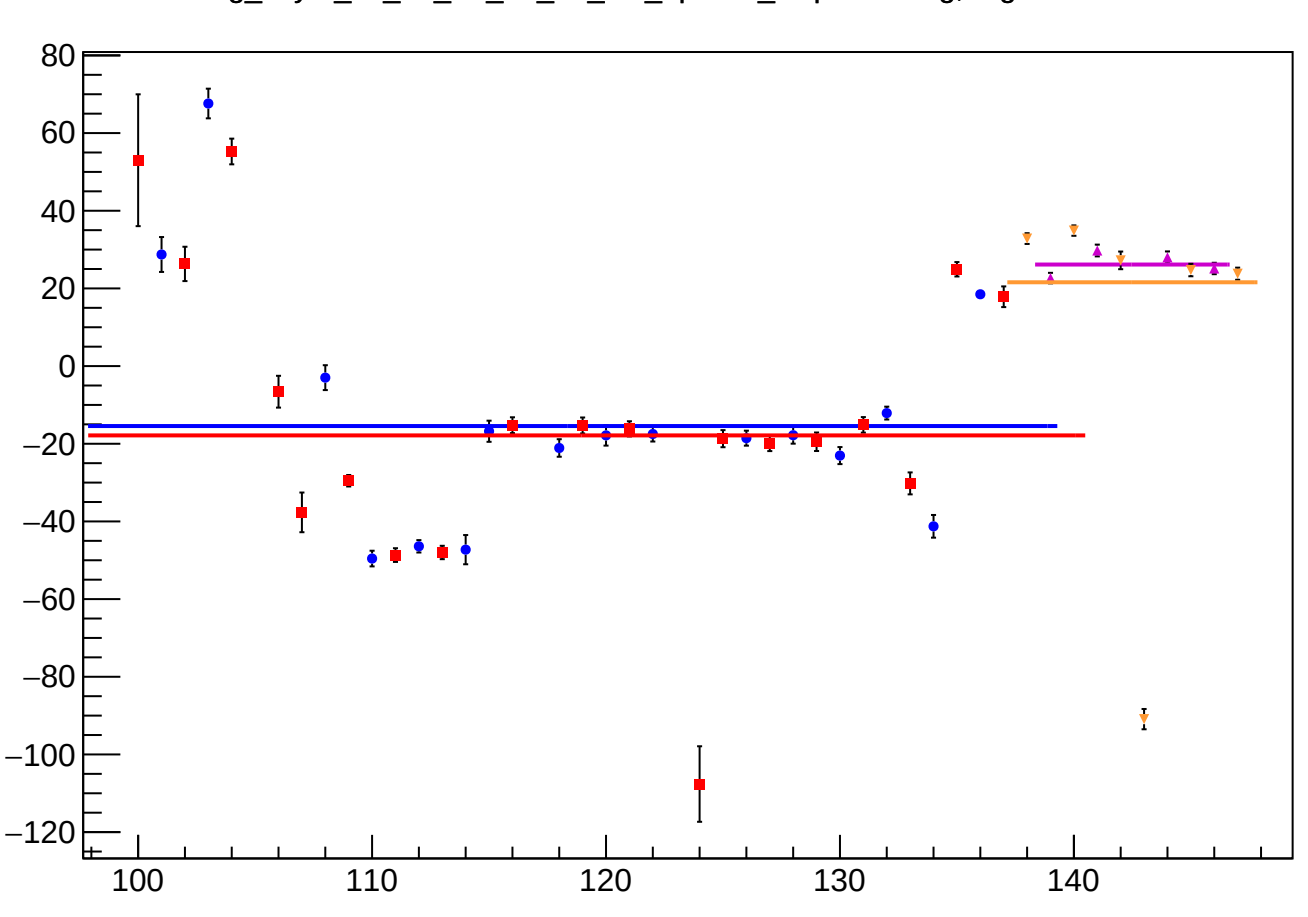
Left: 117.721+/-0.053 χ^2/NDF: 206162.3/9

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.932+/-0.058 χ^2/NDF:107071.5/19

Out: 105.385+/-0.049 χ^2/NDF:354276.3/24

All: 112.660+/-0.037 χ^2/NDF: 515605.6/44



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 21.581+/-0.672 χ^2/NDF:2030.7/5

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.149+/-0.732 χ^2/NDF:14.2/3

Left: 23.672+/-0.495 χ^2/NDF: 2066.1/9

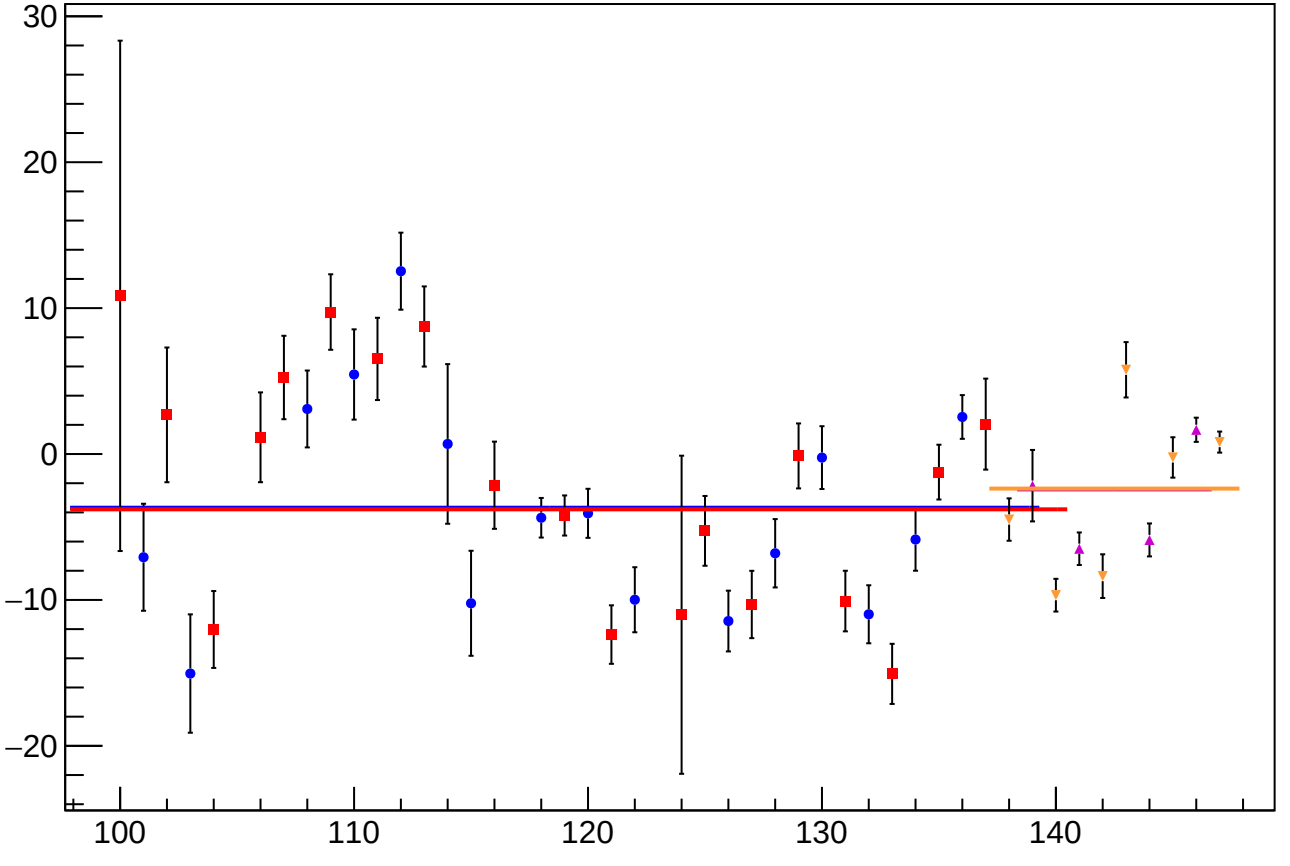
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -0.805+/-0.434 χ^2/NDF:4232.8/19

Out: -2.744+/-0.416 χ^2/NDF:6279.0/24

All: -1.815+/-0.300 χ^2/NDF: 10522.2/44

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.368+/-0.475 χ^2/NDF:101.0/5

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -2.425+/-0.558 χ^2/NDF:47.0/3

Left: -2.392+/-0.362 χ^2/NDF: 148.0/9

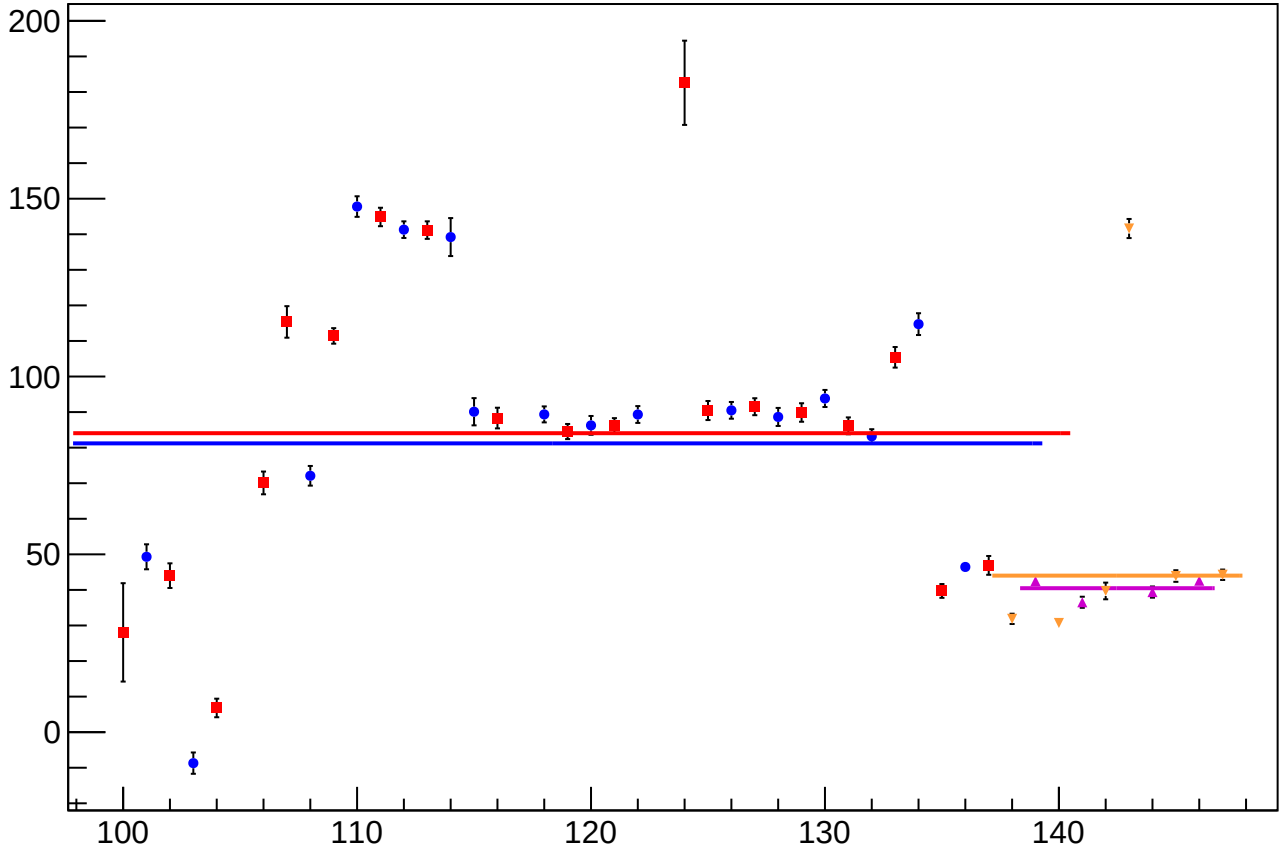
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.059+/-0.392 χ^2/NDF:173.5/19

Out: -2.958+/-0.363 χ^2/NDF:265.9/24

All: -3.005+/-0.267 χ^2/NDF: 439.5/44

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: 44.019+/-0.679 χ^2/NDF:1486.8/5

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.482+/-0.741 χ^2/NDF:11.2/3

Left: 42.404+/-0.501 χ^2/NDF: 1510.4/9

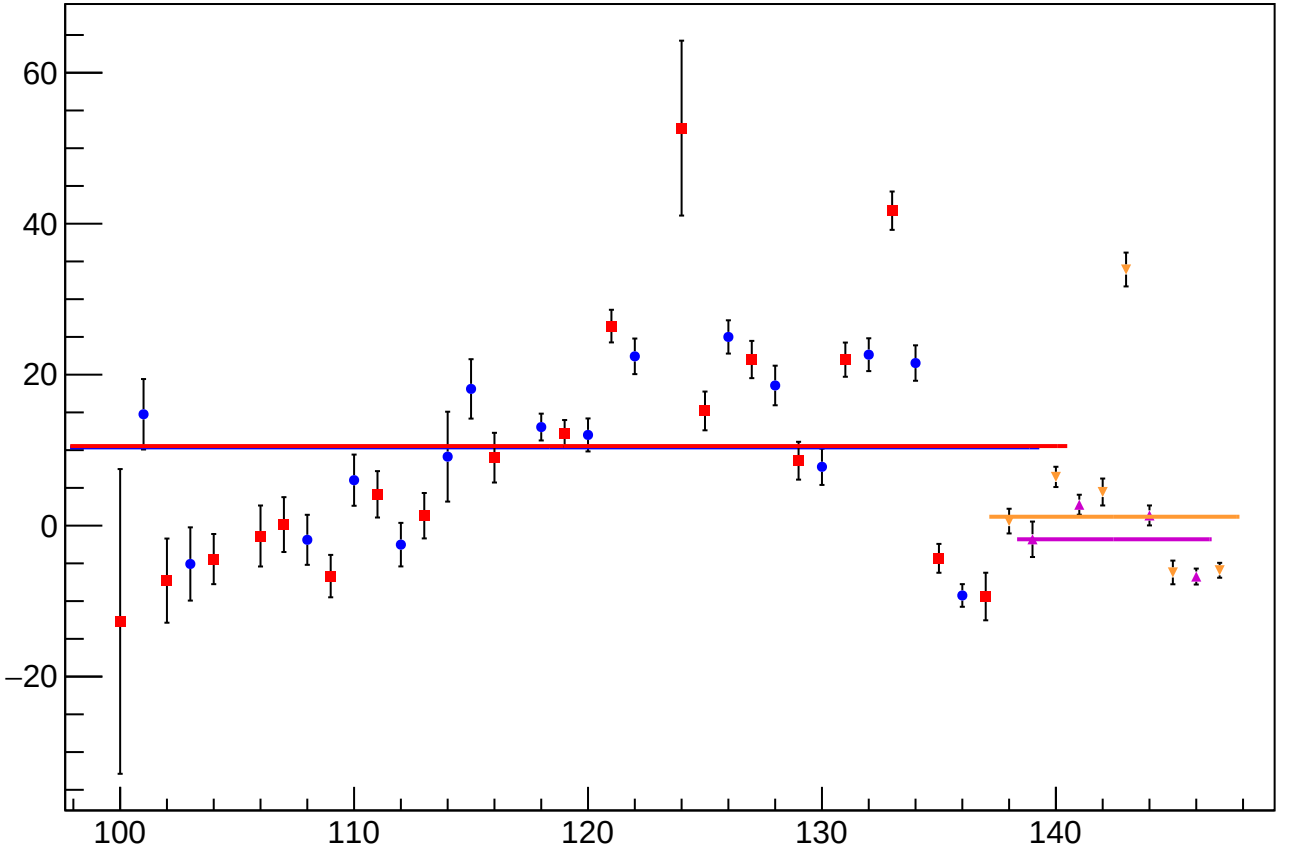
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 64.854+/-0.470 χ^2/NDF:5048.3/19

Out: 65.980+/-0.456 χ^2/NDF:6600.2/24

All: 65.433+/-0.327 χ^2/NDF: 11651.5/44

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 1.178+/-0.590 χ^2/NDF:306.2/5

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.809+/-0.671 χ^2/NDF:39.6/3

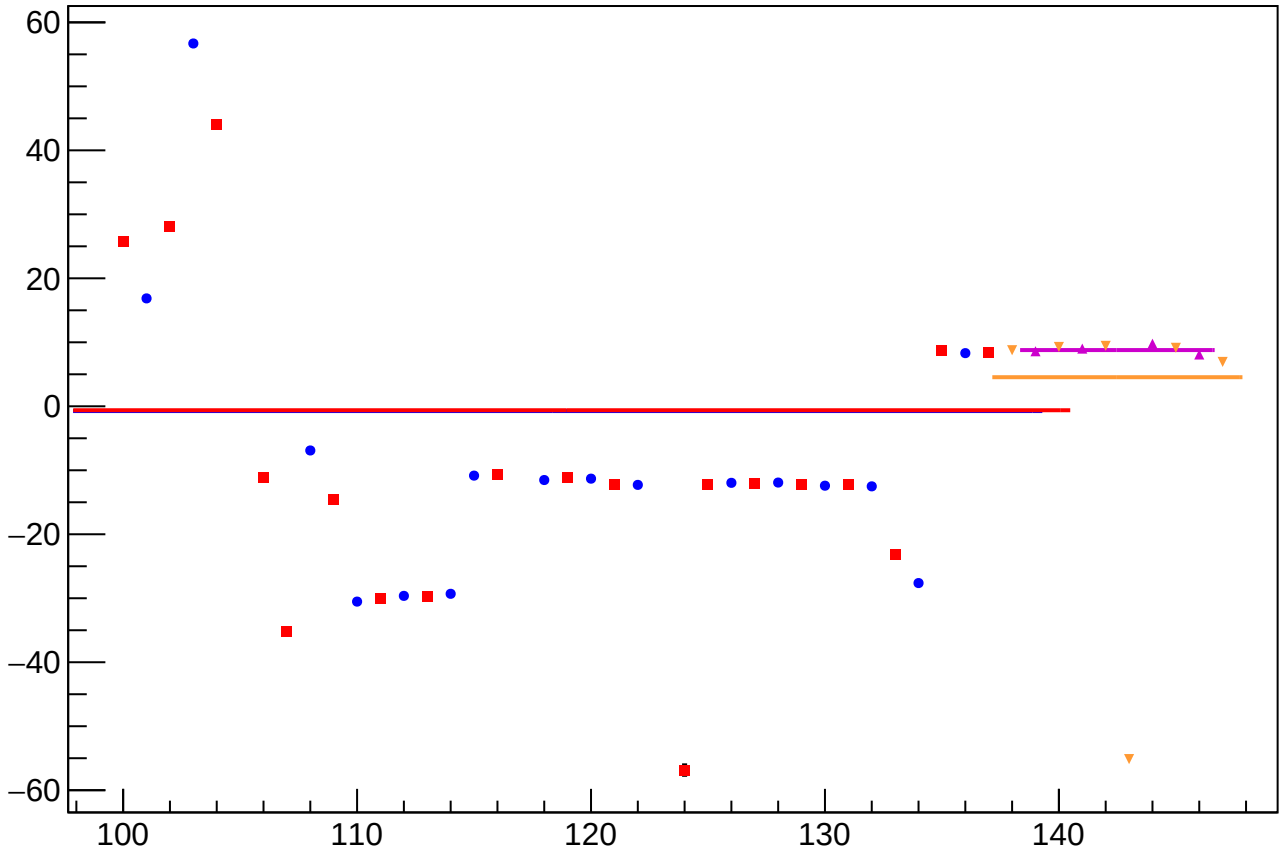
Left: -0.125+/-0.443 χ^2/NDF: 357.0/9

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 4.694+/-0.458 χ^2/NDF:575.3/19

Out: 5.477+/-0.434 χ^2/NDF:892.5/24

All: 5.107+/-0.315 χ^2/NDF: 1469.4/44



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.544+/-0.028 χ^2/NDF:305739.2/5

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.785+/-0.030 χ^2/NDF:354.7/3

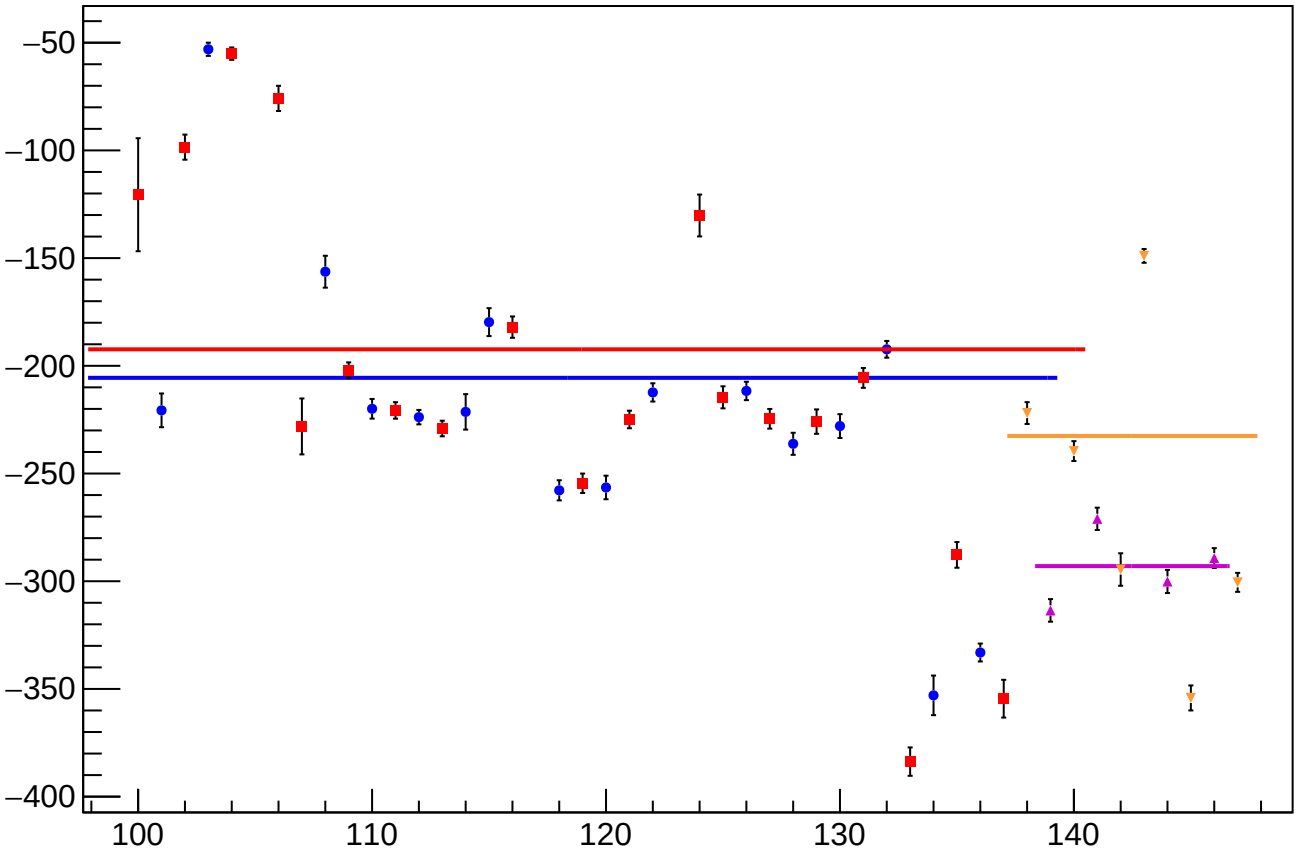
Left: 6.548+/-0.021 χ^2/NDF: 316673.0/9

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.872+/-0.023 χ^2/NDF:409932.1/19

Out: 2.656+/-0.023 χ^2/NDF:634359.7/24

All: 3.744+/-0.016 χ^2/NDF: 1049020.1/44



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -232.556+/-1.883 χ^2/NDF:1430.2/5

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -292.970+/-2.537 χ^2/NDF:35.8/3

Left: -254.007+/-1.512 χ^2/NDF: 1831.6/9

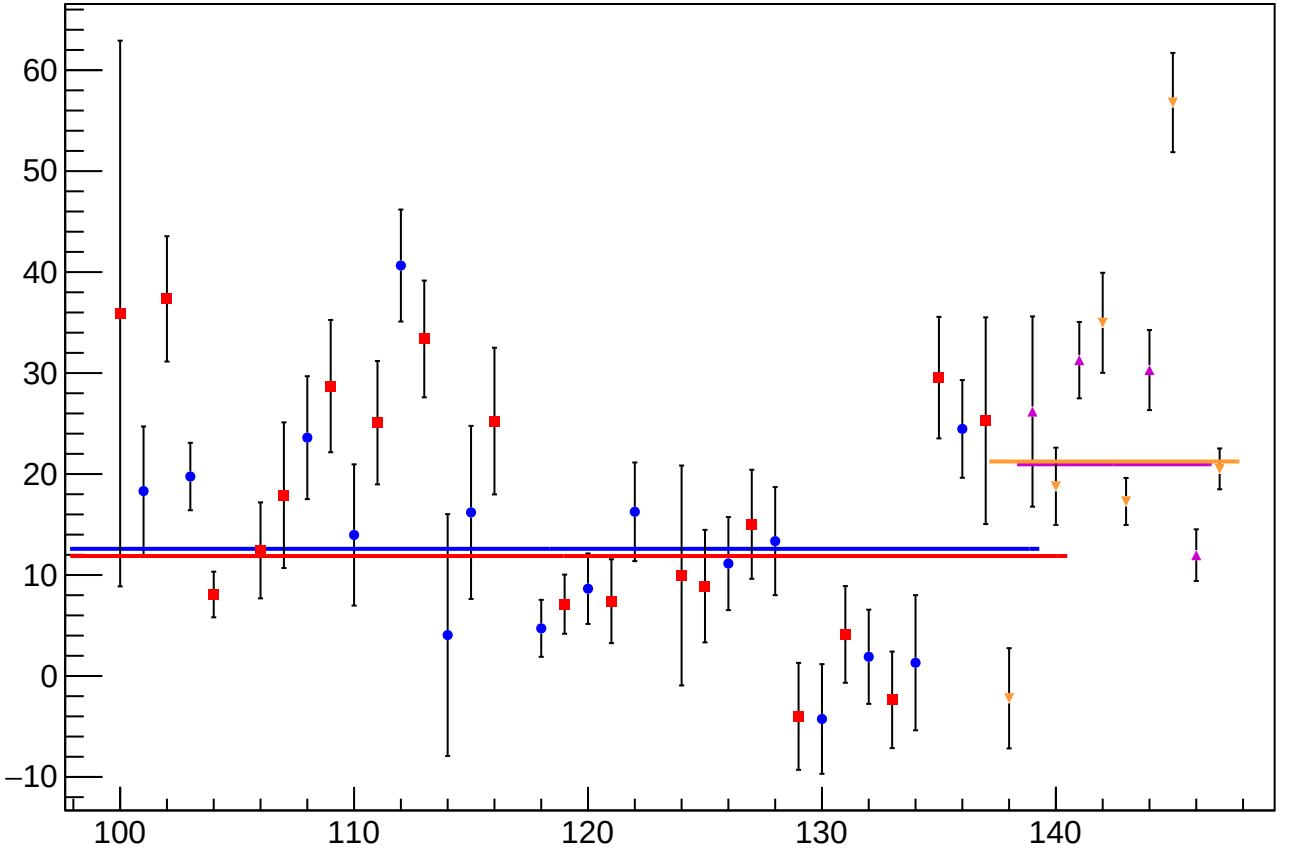
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -221.219+/-1.073 χ^2/NDF:5065.8/19

Out: -202.890+/-0.964 χ^2/NDF:6736.6/24

All: -211.074+/-0.717 χ^2/NDF: 11963.7/44

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: 21.243+/-1.270 χ^2/NDF:85.7/5

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 20.966+/-1.834 χ^2/NDF:25.6/3

Left: 21.153+/-1.044 χ^2/NDF: 111.3/9

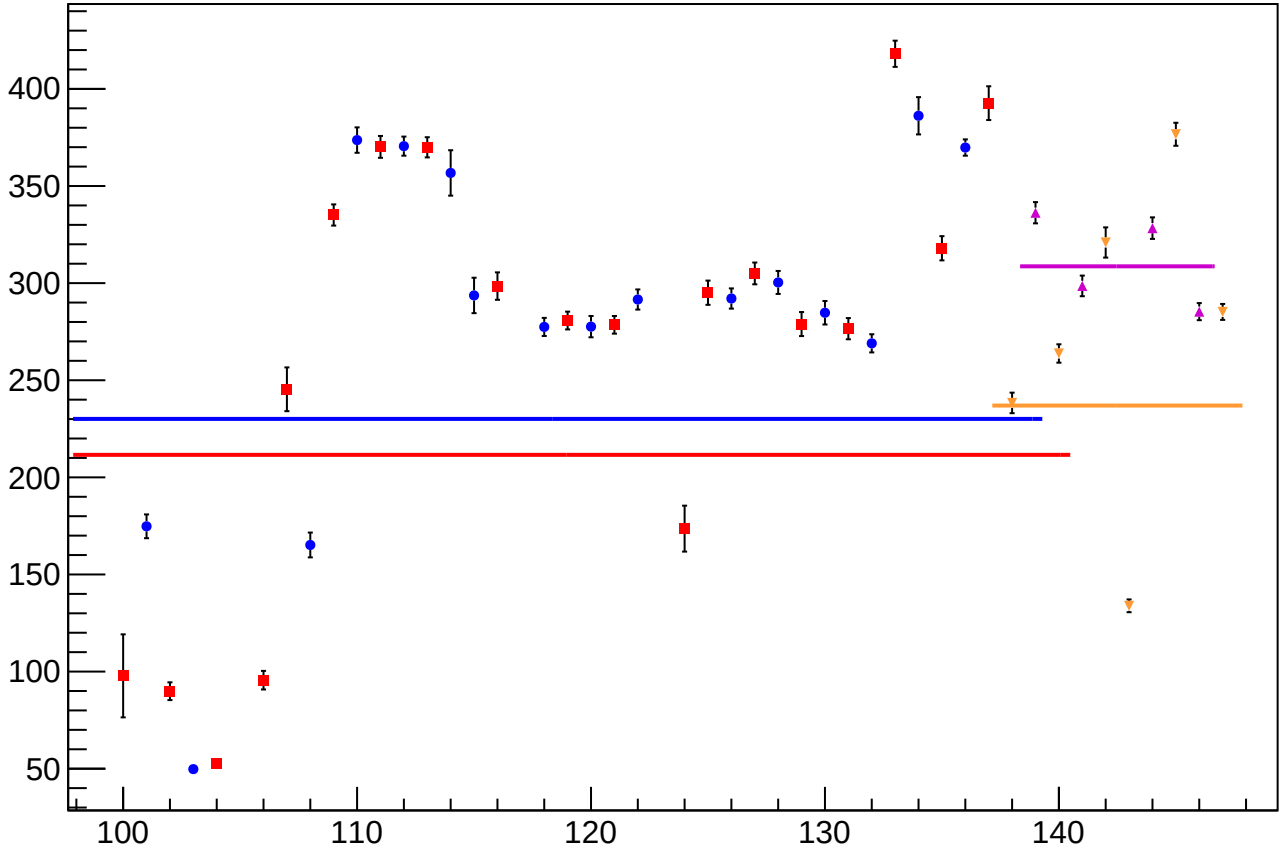
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 15.111+/-1.006 χ^2/NDF:108.7/19

Out: 15.984+/-0.841 χ^2/NDF:201.2/24

All: 15.625+/-0.645 χ^2/NDF: 310.3/44

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: 236.971+/-1.901 χ^2/NDF:1819.7/5

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 308.653+/-2.556 χ^2/NDF:69.7/3

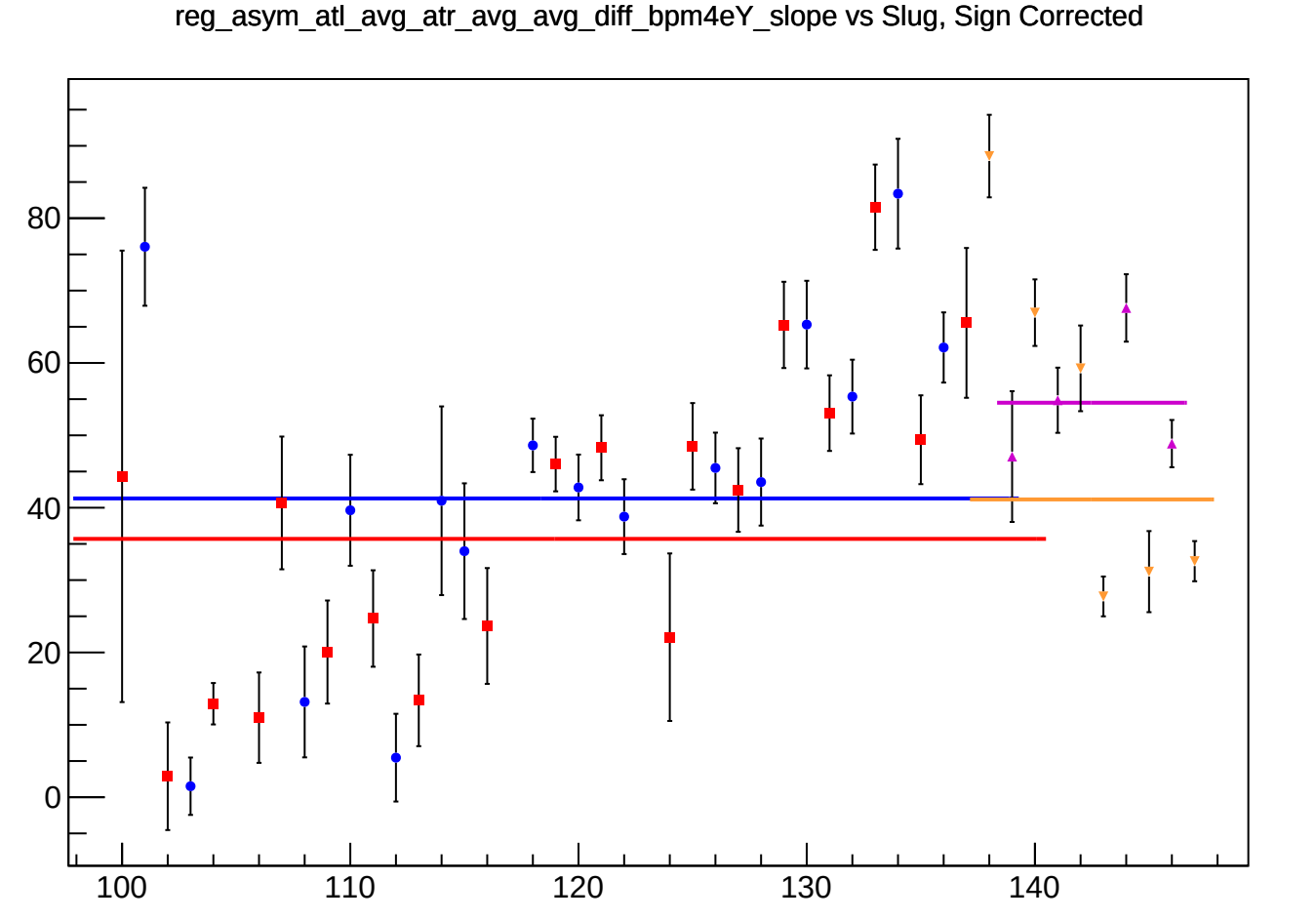
Left: 262.501+/-1.525 χ^2/NDF: 2395.8/9

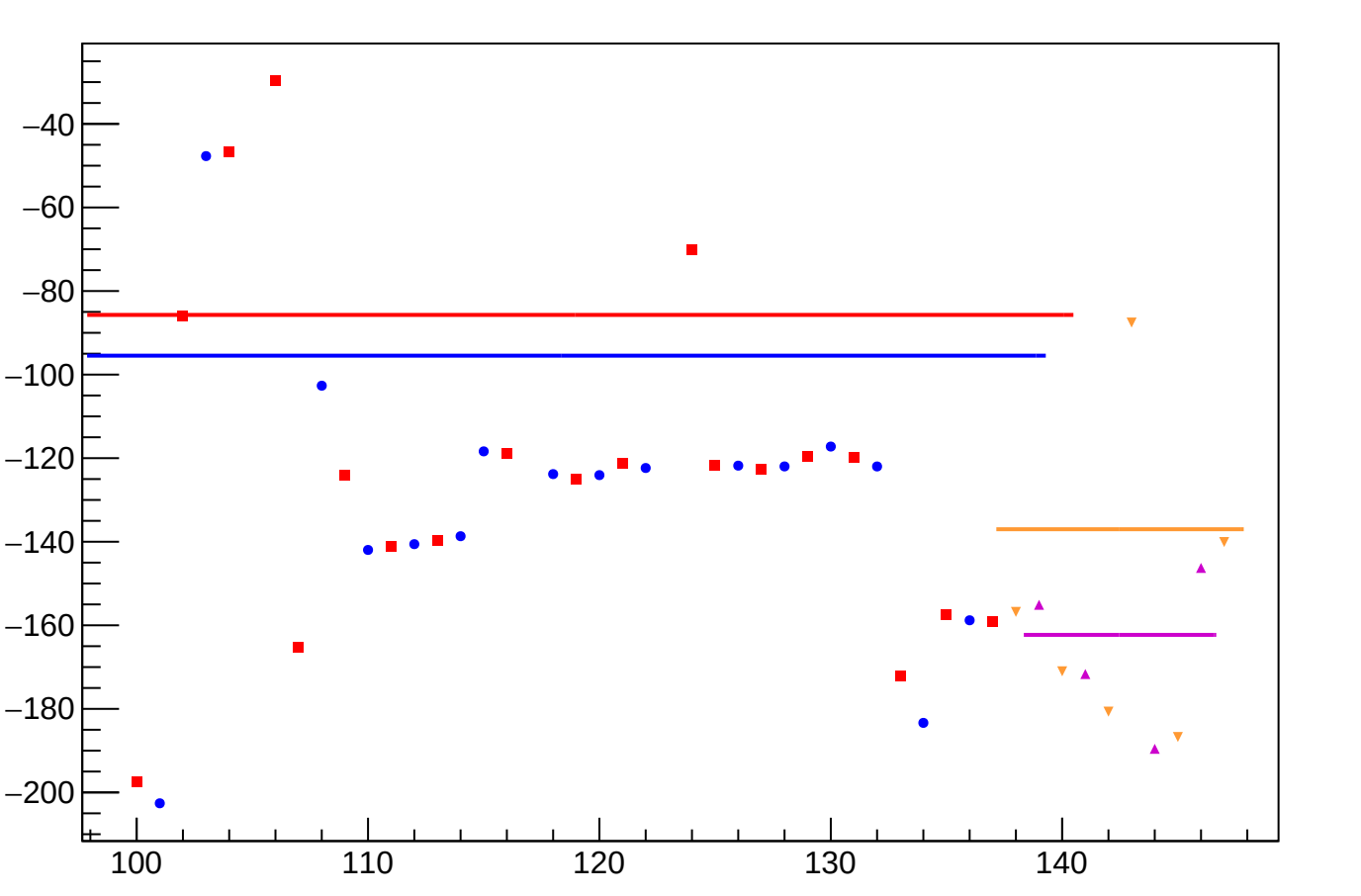
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 245.444+/-1.130 χ^2/NDF:10205.4/19

Out: 218.779+/-1.012 χ^2/NDF:13419.6/24

All: 230.647+/-0.754 χ^2/NDF: 23934.0/44


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
100
110
120
130
140
Right In: 41.282+/-1.398 χ2/NDF: 245.8/15
Left Out: 41.143+/-1.580 χ2/NDF:146.4/5
Right Out: 35.692+/-1.317 χ2/NDF: 253.2/18
Left In: 54.505+/-2.228 χ2/NDF:11.6/3
Left: 45.616+/-1.289 χ2/NDF: 181.9/9
Right: 38.321+/-0.958 χ2/NDF: 507.4/34
In: 45.016+/-1.184 χ2/NDF:282.6/19
Out: 37.926+/-1.012 χ2/NDF:406.6/24
All: 40.918+/-0.769 χ2/NDF: 710.0/44



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.009+/-0.080 χ^2/NDF:228047.5/5

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -162.290+/-0.105 χ^2/NDF:22420.1/3

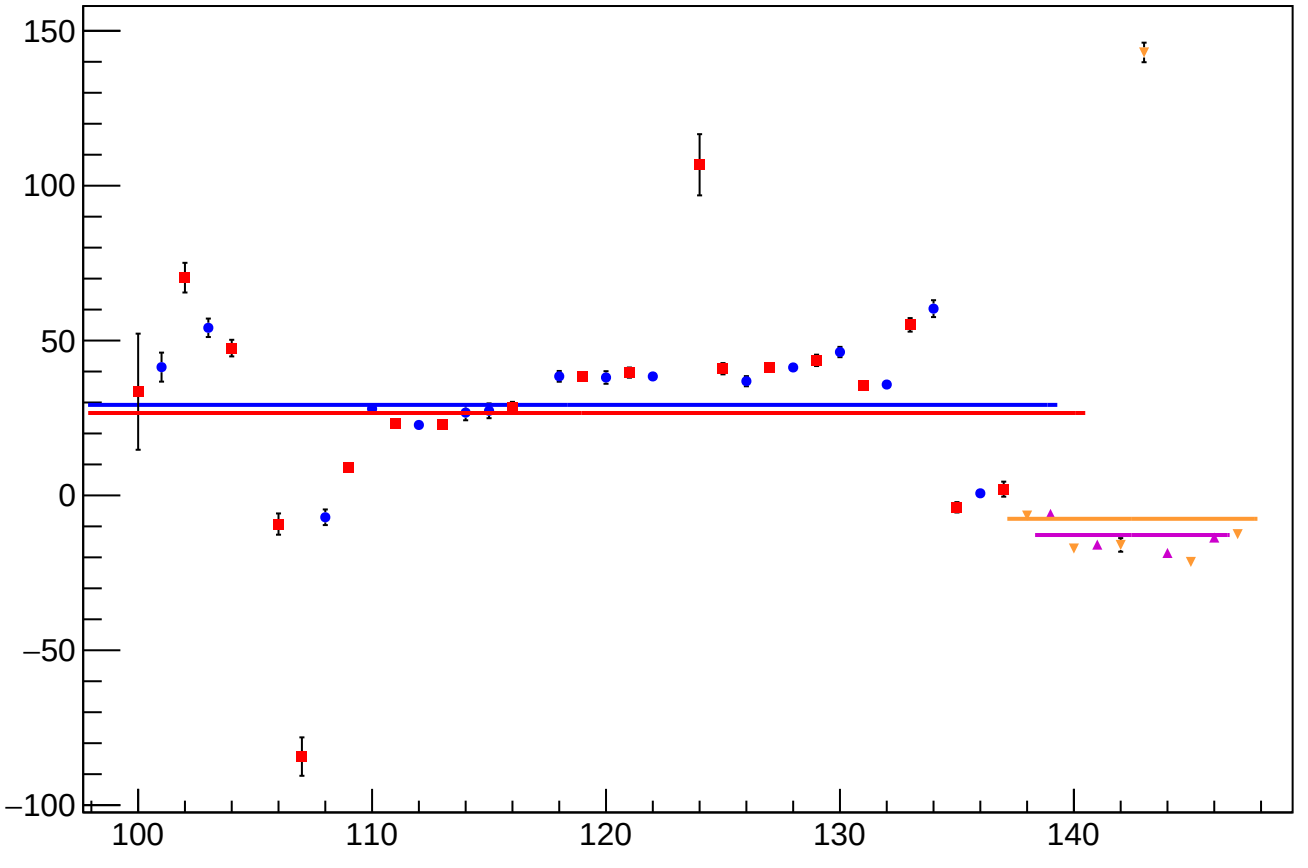
Left: -146.378+/-0.064 χ^2/NDF: 287288.5/9

Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -115.935+/-0.058 χ^2/NDF:825899.5/19

Out: -106.779+/-0.051 χ^2/NDF:951678.1/24

All: -110.818+/-0.038 χ^2/NDF: 1791577.6/44



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -7.551+/-0.640 χ^2/NDF:2441.1/5

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.784+/-0.684 χ^2/NDF:51.2/3

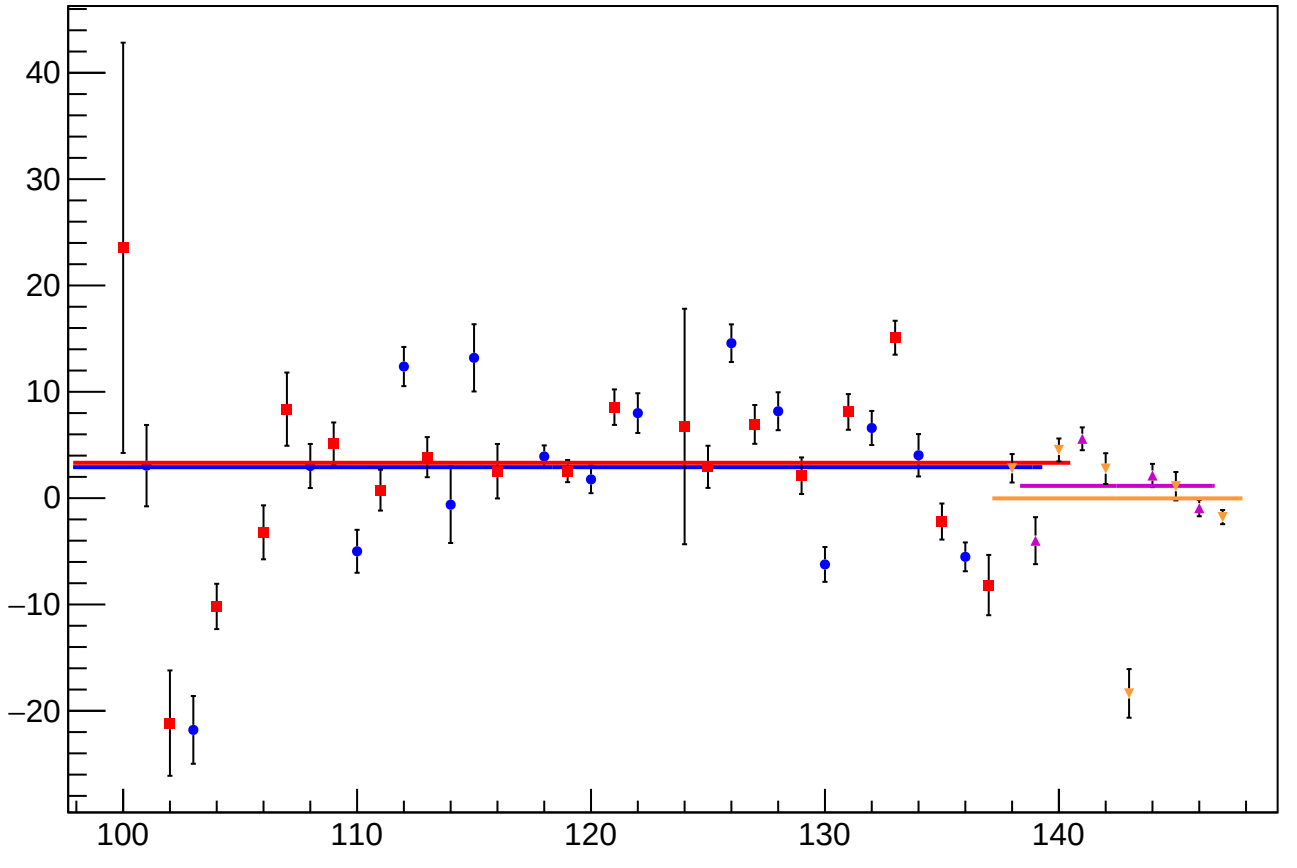
Left: -9.992+/-0.467 χ^2/NDF: 2523.6/9

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 17.559+/-0.361 χ^2/NDF:4117.8/19

Out: 16.522+/-0.348 χ^2/NDF:6371.3/24

All: 17.022+/-0.250 χ^2/NDF: 10493.4/44



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.022+/-0.452 χ^2/NDF:98.0/5

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.156+/-0.526 χ^2/NDF:30.7/3

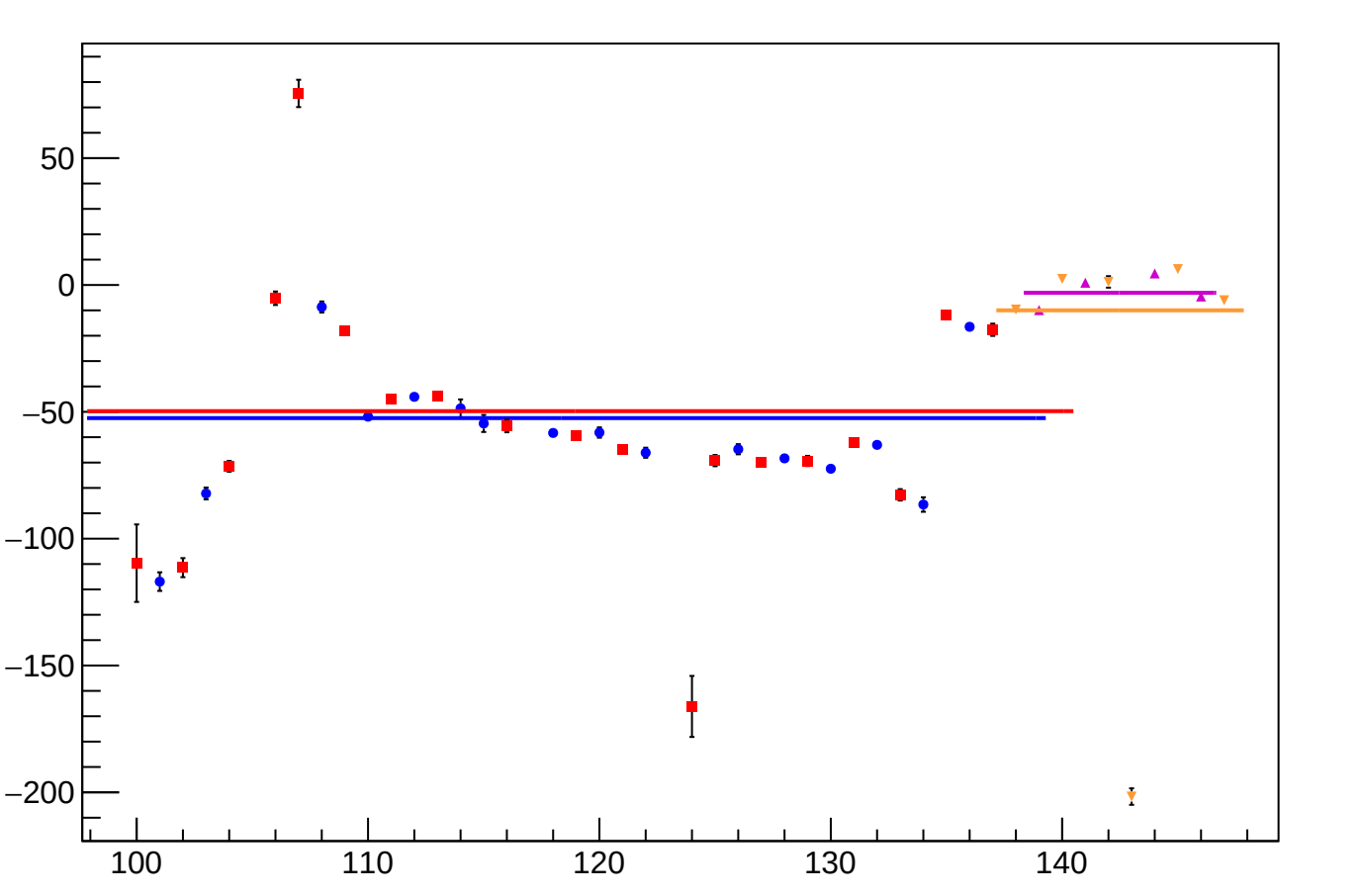
Left: 0.478+/-0.343 χ^2/NDF: 131.7/9

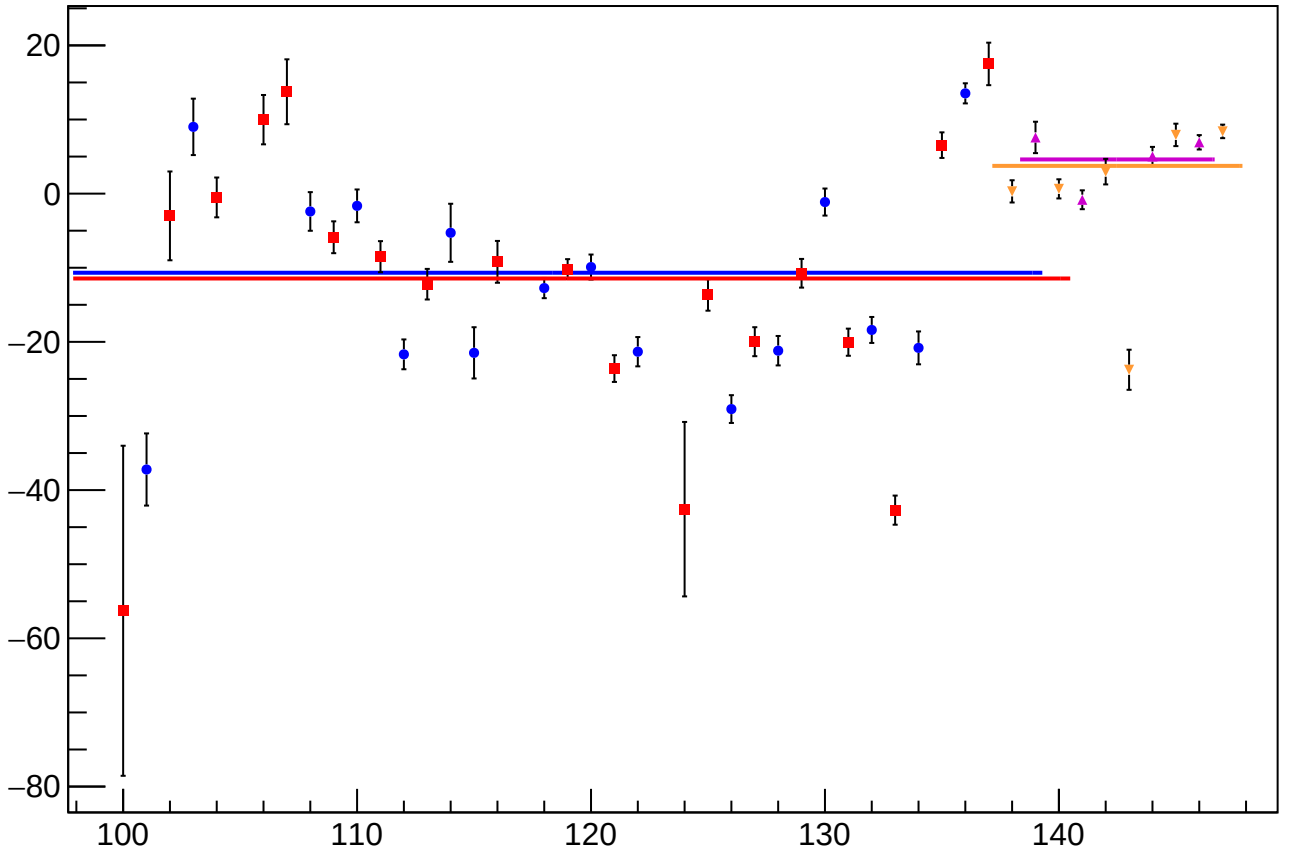
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

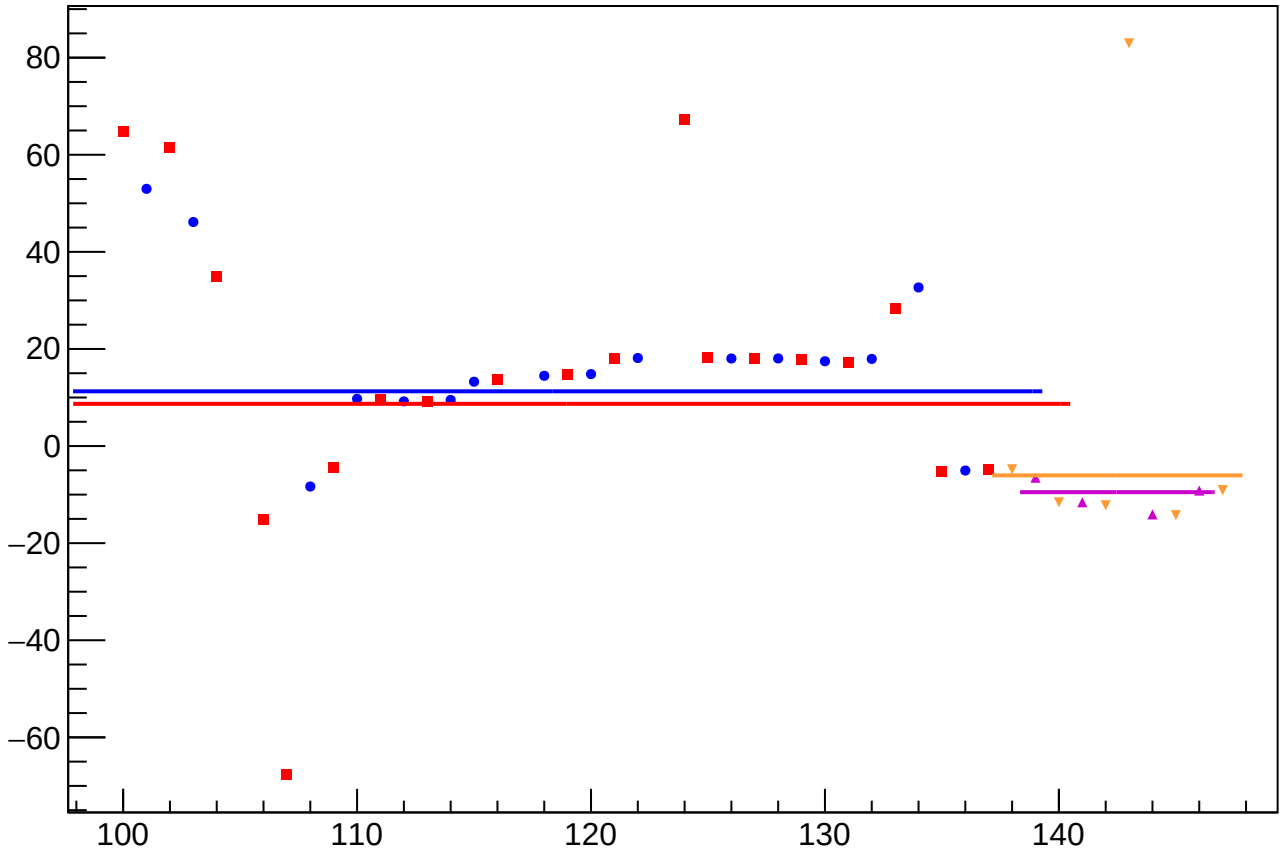
In: 2.184+/-0.339 χ^2/NDF:287.2/19

Out: 1.646+/-0.320 χ^2/NDF:307.1/24

All: 1.900+/-0.233 χ^2/NDF: 595.7/44


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
Right In: -52.467+/-0.488 χ²/NDF: 2330.2/15
Left Out: -9.983+/-0.646 χ²/NDF:3717.4/5
Right Out: -49.734+/-0.494 χ²/NDF: 3009.7/18
Left In: -3.070+/-0.693 χ²/NDF:61.9/3
Left: -6.771+/-0.472 χ²/NDF: 3832.6/9
Right: -51.118+/-0.347 χ²/NDF: 5355.4/34
In: -36.100+/-0.399 χ²/NDF:5790.1/19
Out: -35.056+/-0.392 χ²/NDF:9117.5/24
All: -35.569+/-0.280 χ²/NDF: 14911.1/44


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 3.745+/-0.563 χ²/NDF:148.2/5
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 4.612+/-0.632 χ²/NDF:26.0/3
Left: 4.129+/-0.420 χ²/NDF: 175.3/9
Right: -11.054+/-0.361 χ²/NDF: 1333.3/34
In: -4.709+/-0.395 χ²/NDF:1049.4/19
Out: -4.513+/-0.380 χ²/NDF:1209.8/24
All: -4.607+/-0.274 χ²/NDF: 2259.3/44



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.040+/-0.027 χ^2/NDF:467938.5/5

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.499+/-0.028 χ^2/NDF:10005.3/3

Left: -7.708+/-0.019 χ^2/NDF: 485916.6/9

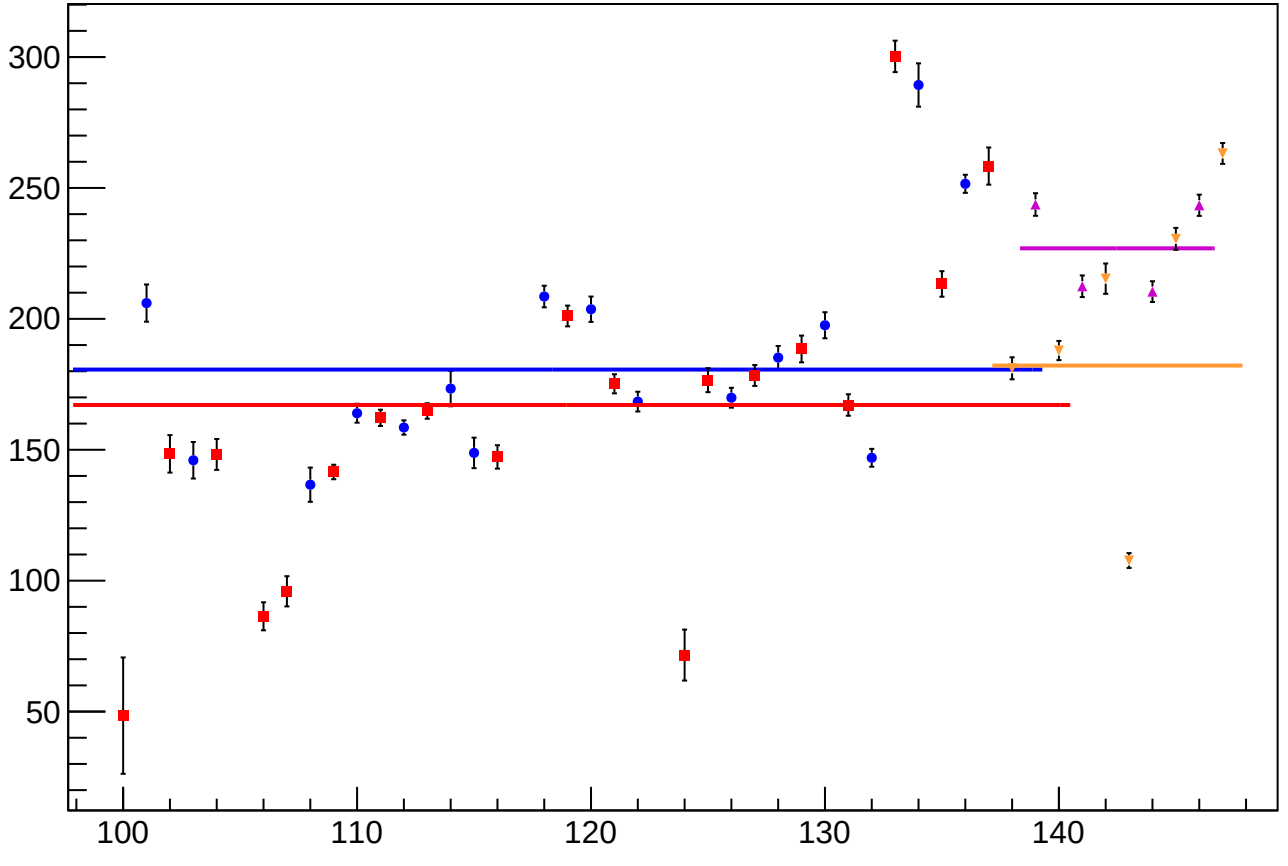
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 0.156+/-0.020 χ^2/NDF:617414.2/19

Out: 0.193+/-0.020 χ^2/NDF:1031057.3/24

All: 0.174+/-0.014 χ^2/NDF: 1648473.1/44

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: 182.163+/-1.572 χ^2/NDF:1268.6/5

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

Left: 198.689+/-1.249 χ^2/NDF: 1629.3/9

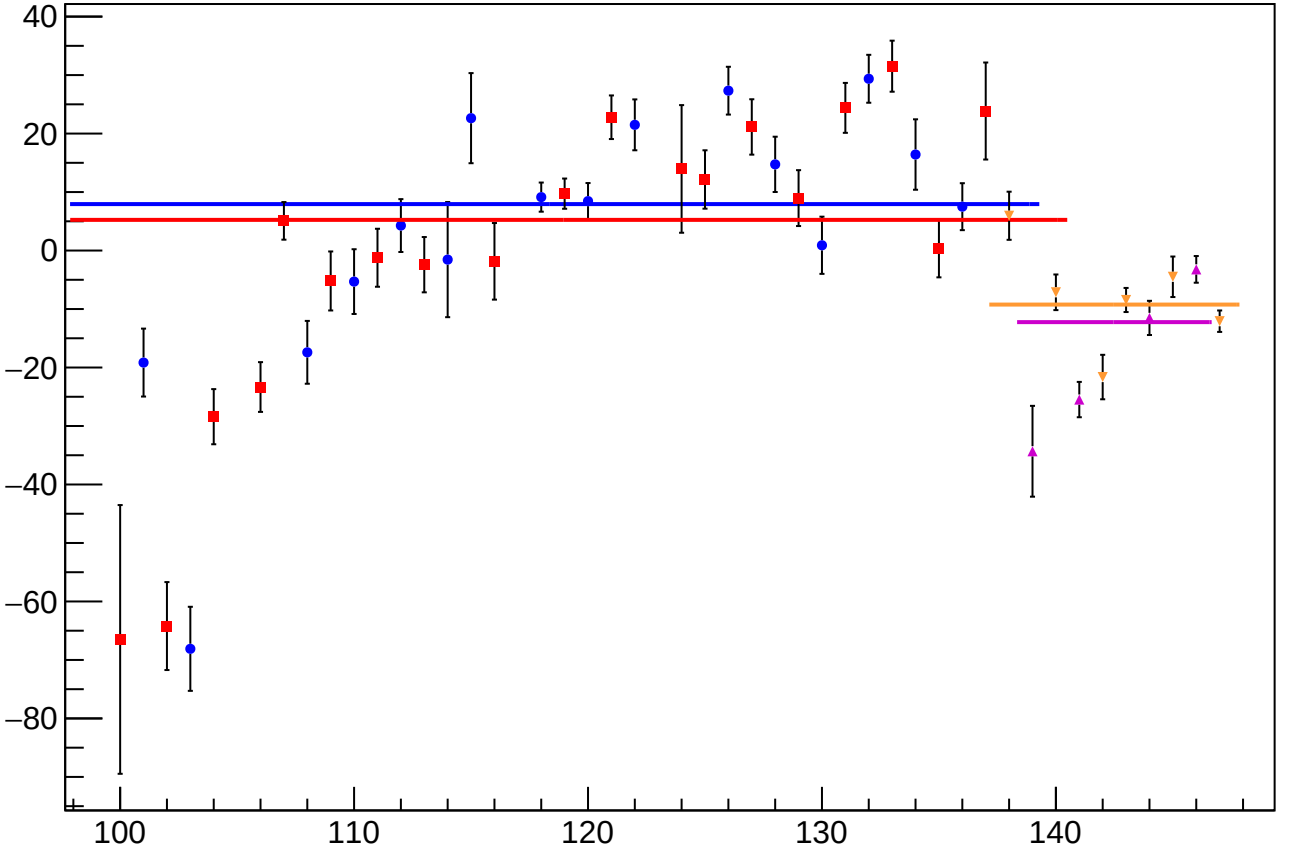
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 190.794+/-0.963 χ^2/NDF:1450.9/19

Out: 171.569+/-0.856 χ^2/NDF:2817.7/24

All: 180.059+/-0.640 χ^2/NDF: 4491.3/44

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -9.238+/-1.083 χ^2/NDF:29.2/5

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

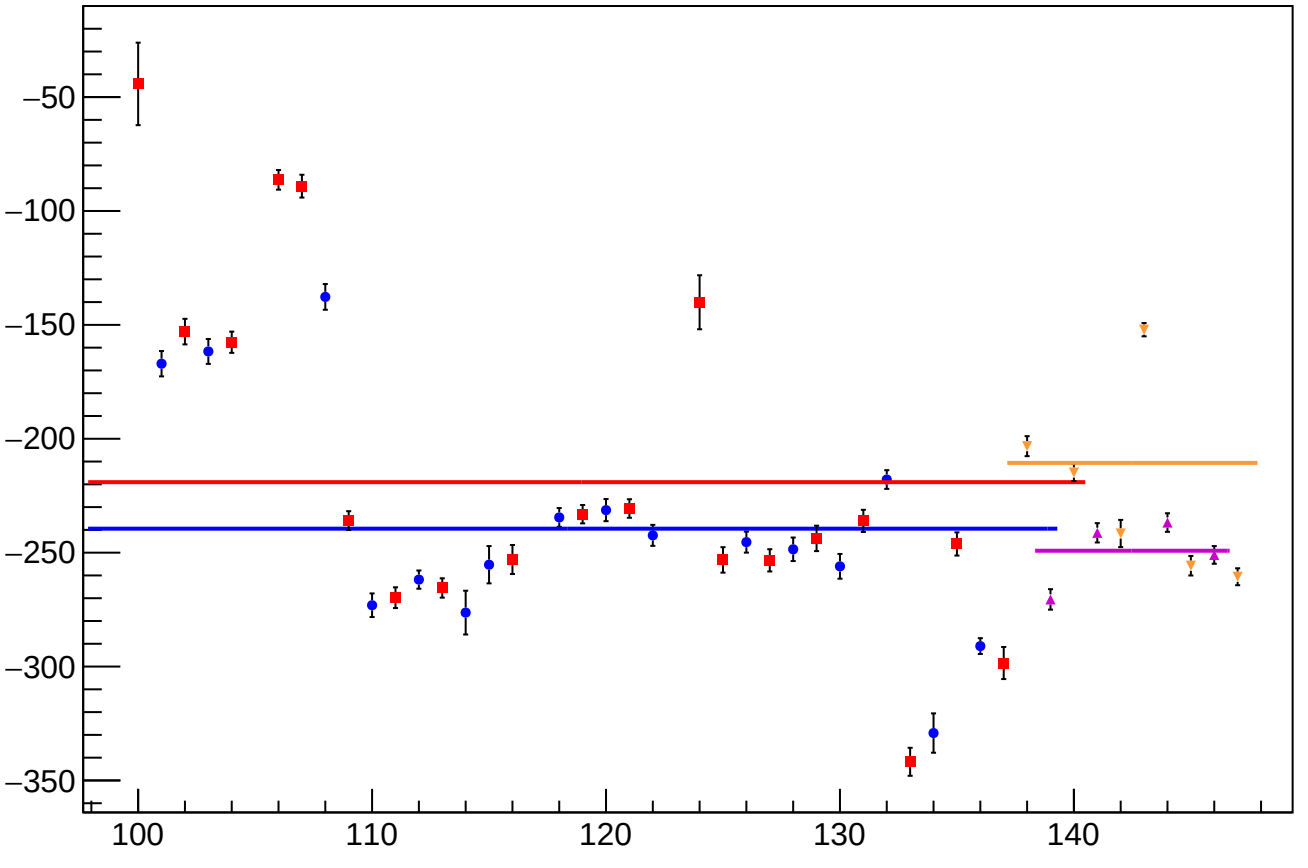
Left: -10.252+/-0.881 χ^2/NDF: 74.7/9

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.871+/-0.897 χ^2/NDF:391.0/19

Out: -1.857+/-0.758 χ^2/NDF:423.2/24

All: -0.720+/-0.579 χ^2/NDF: 819.7/44



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -210.593+/-1.593 χ^2/NDF:722.6/5

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

Left: -224.864+/-1.264 χ^2/NDF: 974.9/9

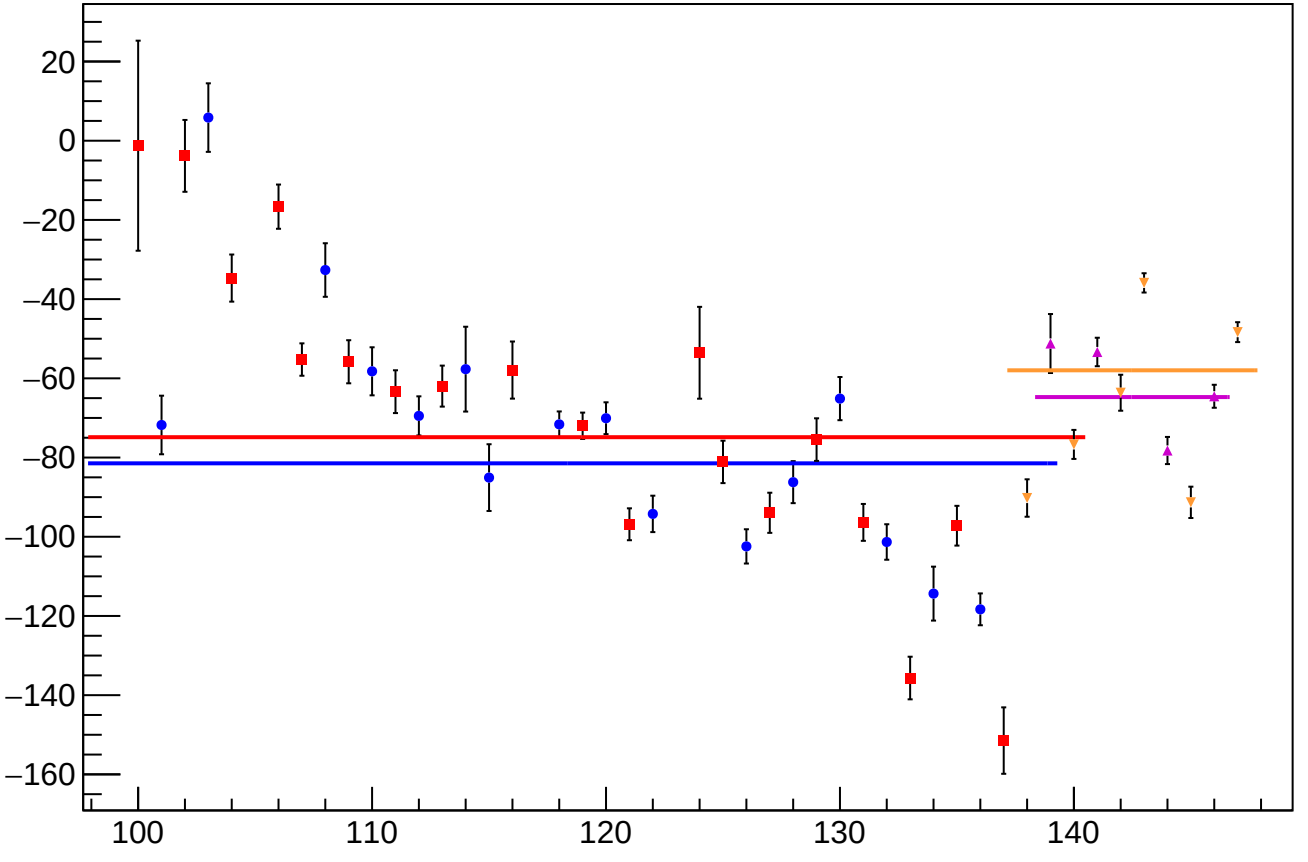
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.027+/-1.068 χ^2/NDF:1213.7/19

Out: -216.068+/-0.946 χ^2/NDF:3790.1/24

All: -227.481+/-0.708 χ^2/NDF: 5334.7/44

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: -57.974+/-1.338 χ^2/NDF:242.0/5

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

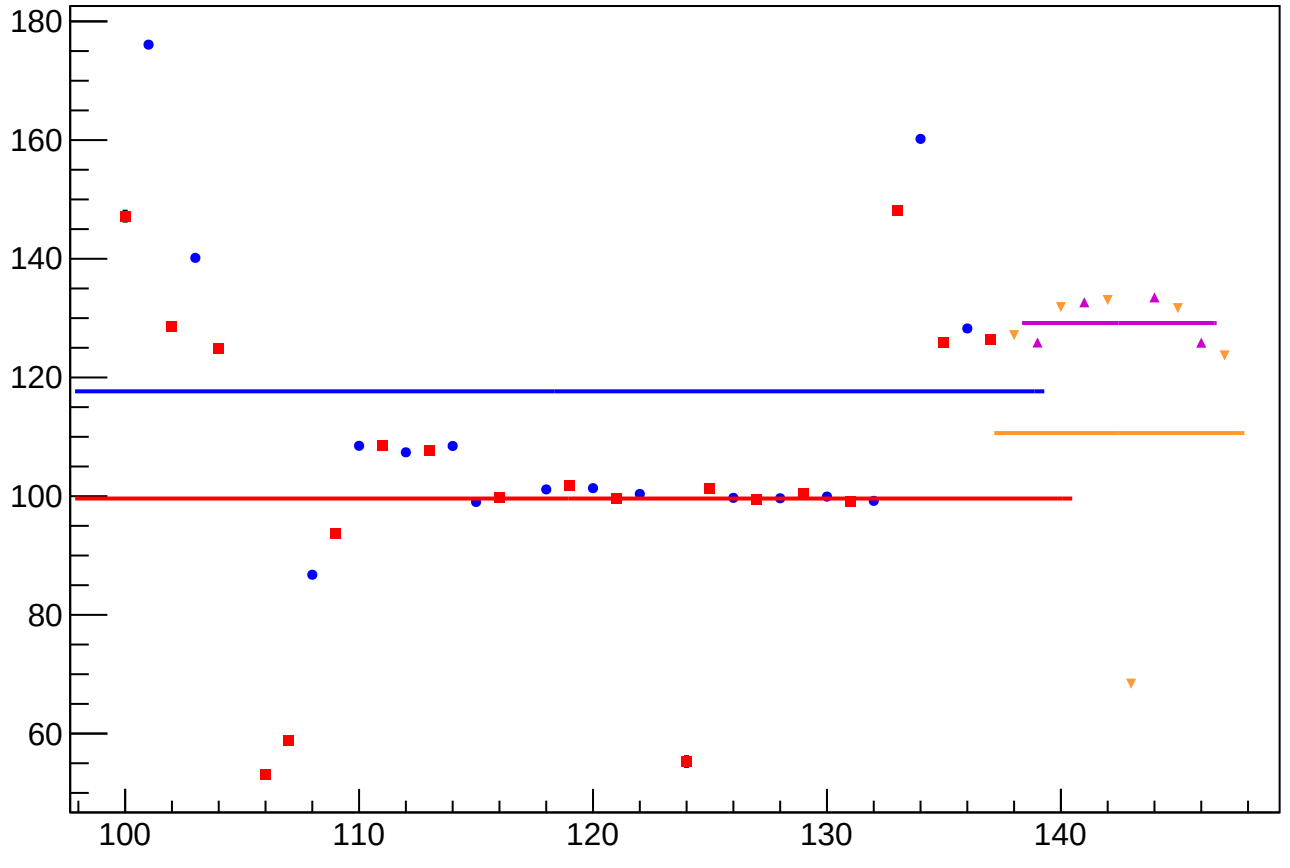
Left: -60.331+/-1.080 χ^2/NDF: 279.7/9

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.918+/-1.052 χ^2/NDF:451.3/19

Out: -67.128+/-0.906 χ^2/NDF:905.0/24

All: -70.868+/-0.686 χ^2/NDF: 1396.4/44



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 110.637+/-0.067 χ^2/NDF:175137.6/5

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

Left: 117.721+/-0.053 χ^2/NDF: 206162.3/9

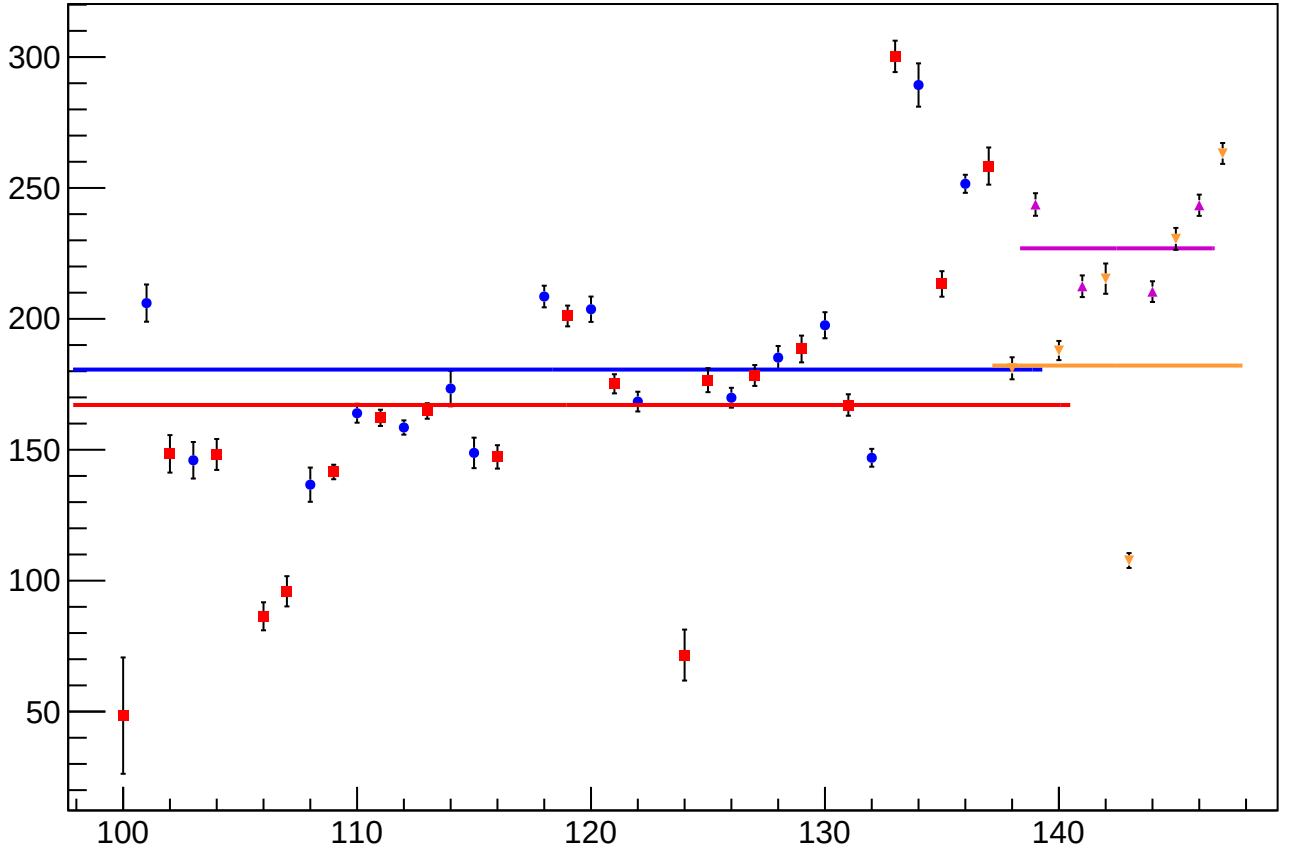
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.932+/-0.058 χ^2/NDF:107071.5/19

Out: 105.385+/-0.049 χ^2/NDF:354276.3/24

All: 112.660+/-0.037 χ^2/NDF: 515605.6/44

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: 182.163+/-1.572 χ^2/NDF:1268.6/5

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 226.936+/-2.055 χ^2/NDF:61.2/3

Left: 198.689+/-1.249 χ^2/NDF: 1629.3/9

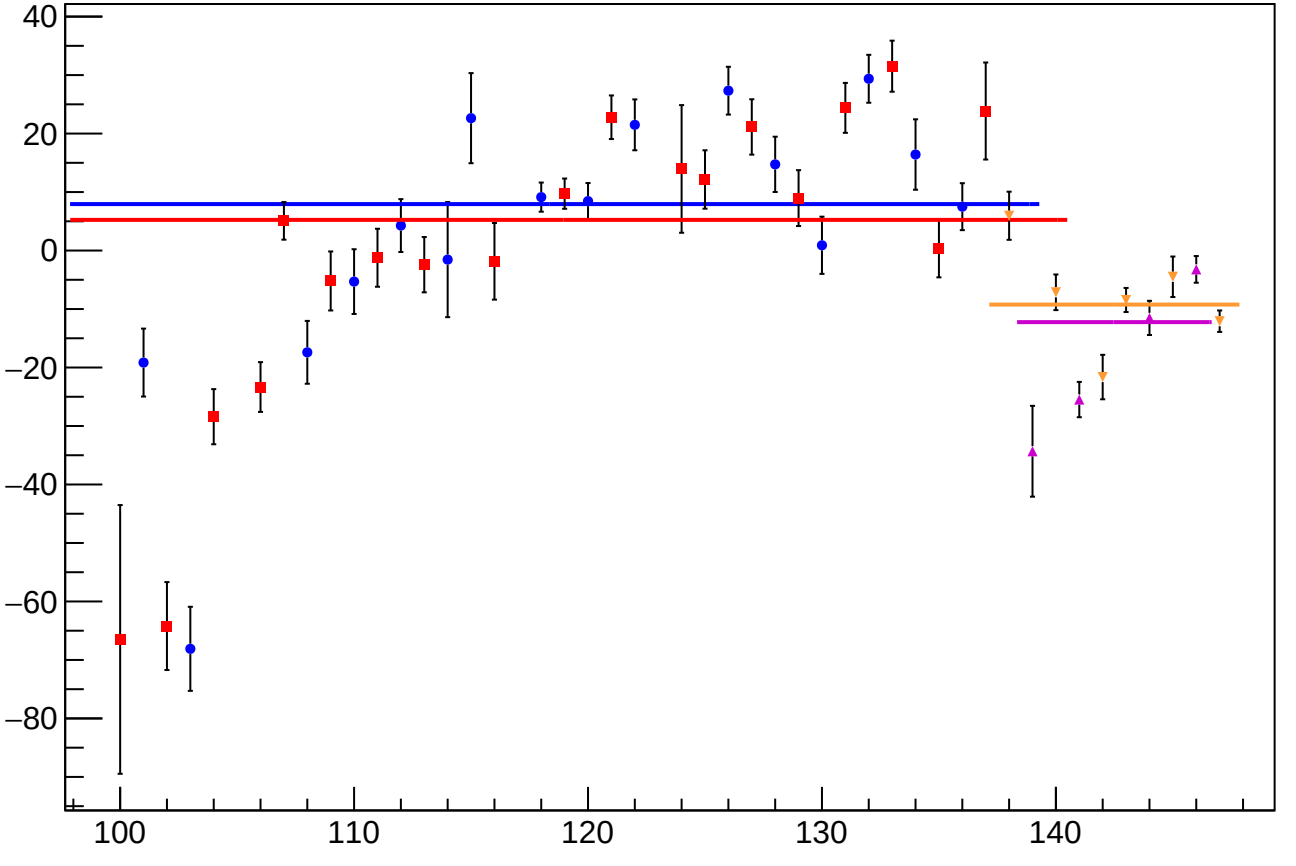
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 190.794+/-0.963 χ^2/NDF:1450.9/19

Out: 171.569+/-0.856 χ^2/NDF:2817.7/24

All: 180.059+/-0.640 χ^2/NDF: 4491.3/44

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -9.238+/-1.083 χ^2/NDF:29.2/5

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -12.239+/-1.516 χ^2/NDF:43.0/3

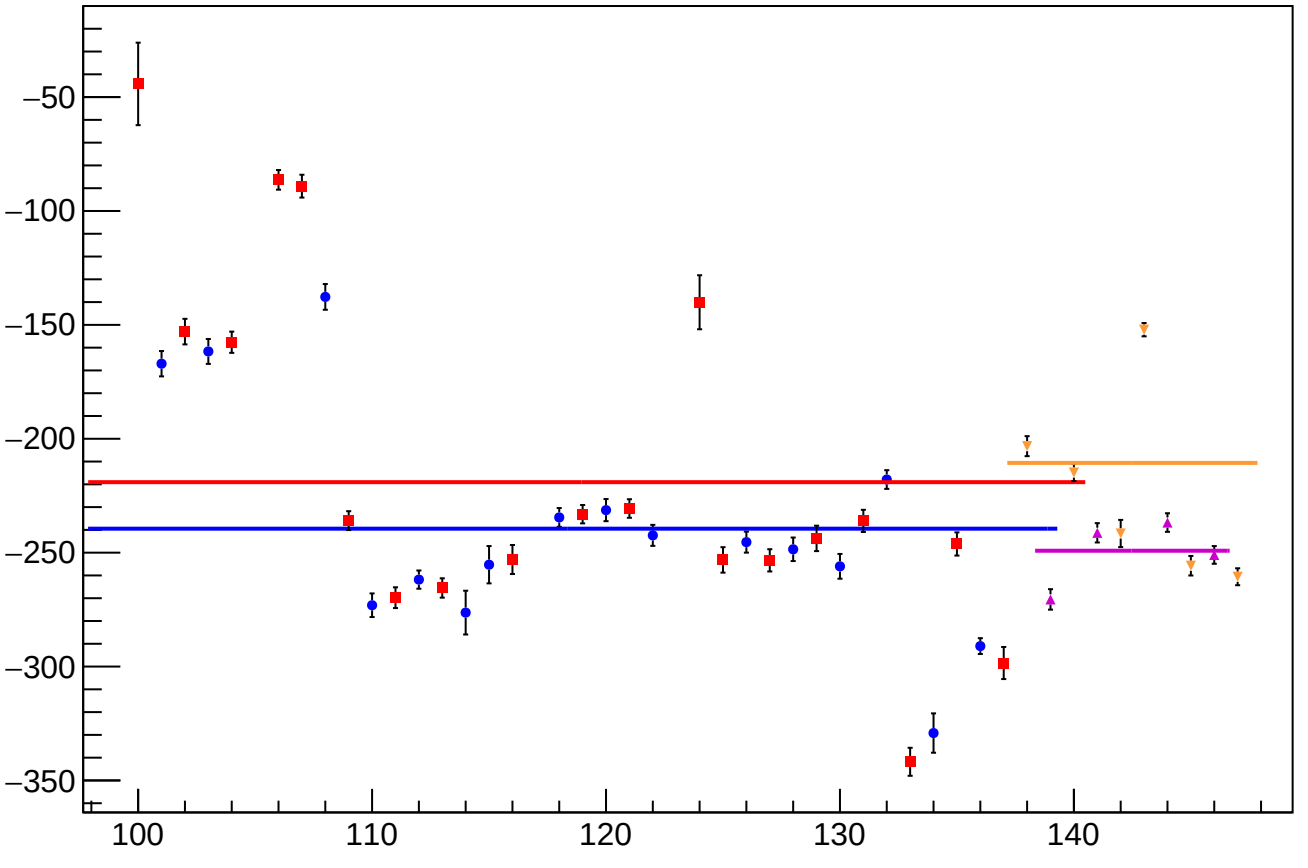
Left: -10.252+/-0.881 χ^2/NDF: 74.7/9

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 0.871+/-0.897 χ^2/NDF:391.0/19

Out: -1.857+/-0.758 χ^2/NDF:423.2/24

All: -0.720+/-0.579 χ^2/NDF: 819.7/44



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -210.593+/-1.593 χ^2/NDF:722.6/5

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -249.153+/-2.078 χ^2/NDF:35.5/3

Left: -224.864+/-1.264 χ^2/NDF: 974.9/9

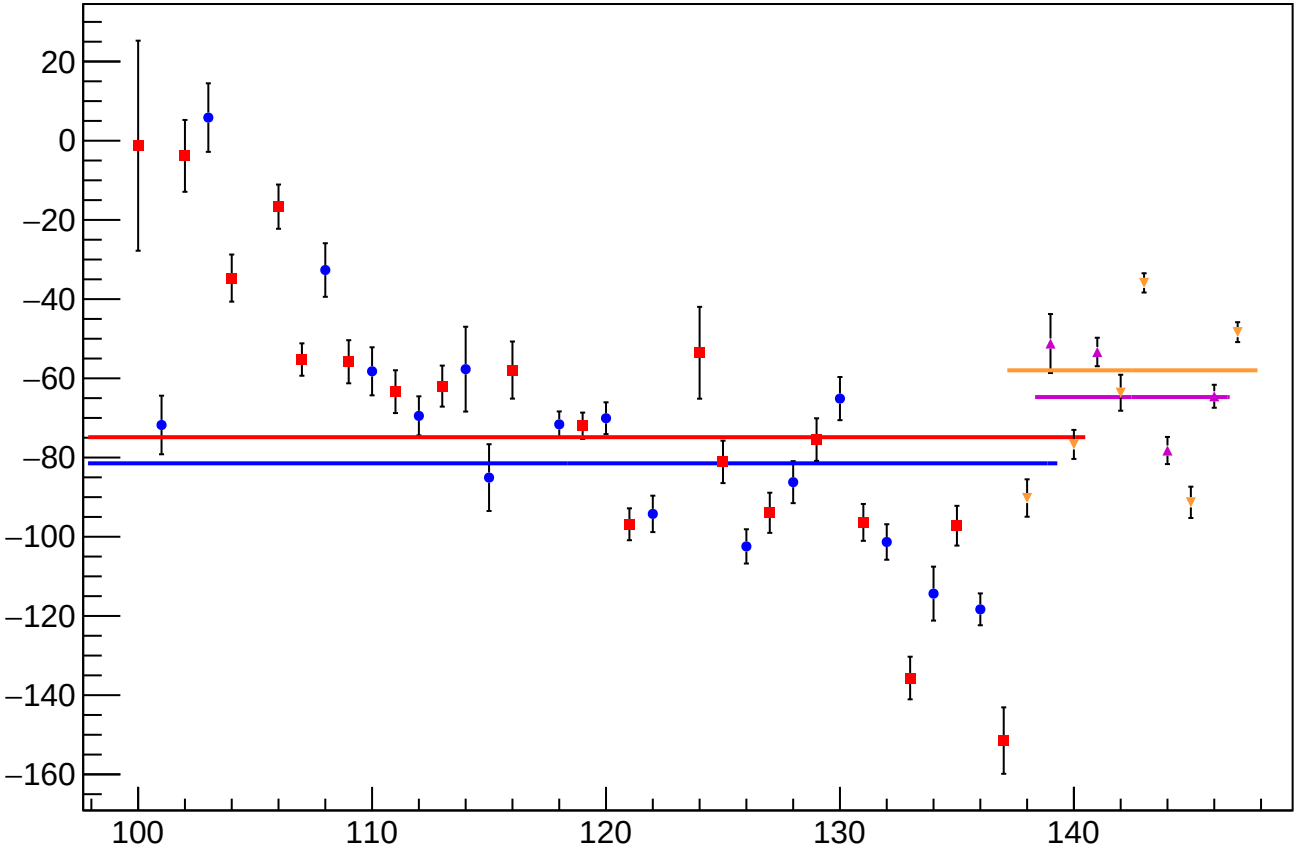
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.027+/-1.068 χ^2/NDF:1213.7/19

Out: -216.068+/-0.946 χ^2/NDF:3790.1/24

All: -227.481+/-0.708 χ^2/NDF: 5334.7/44

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: -57.974+/-1.338 χ^2/NDF:242.0/5

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -64.730+/-1.828 χ^2/NDF:28.8/3

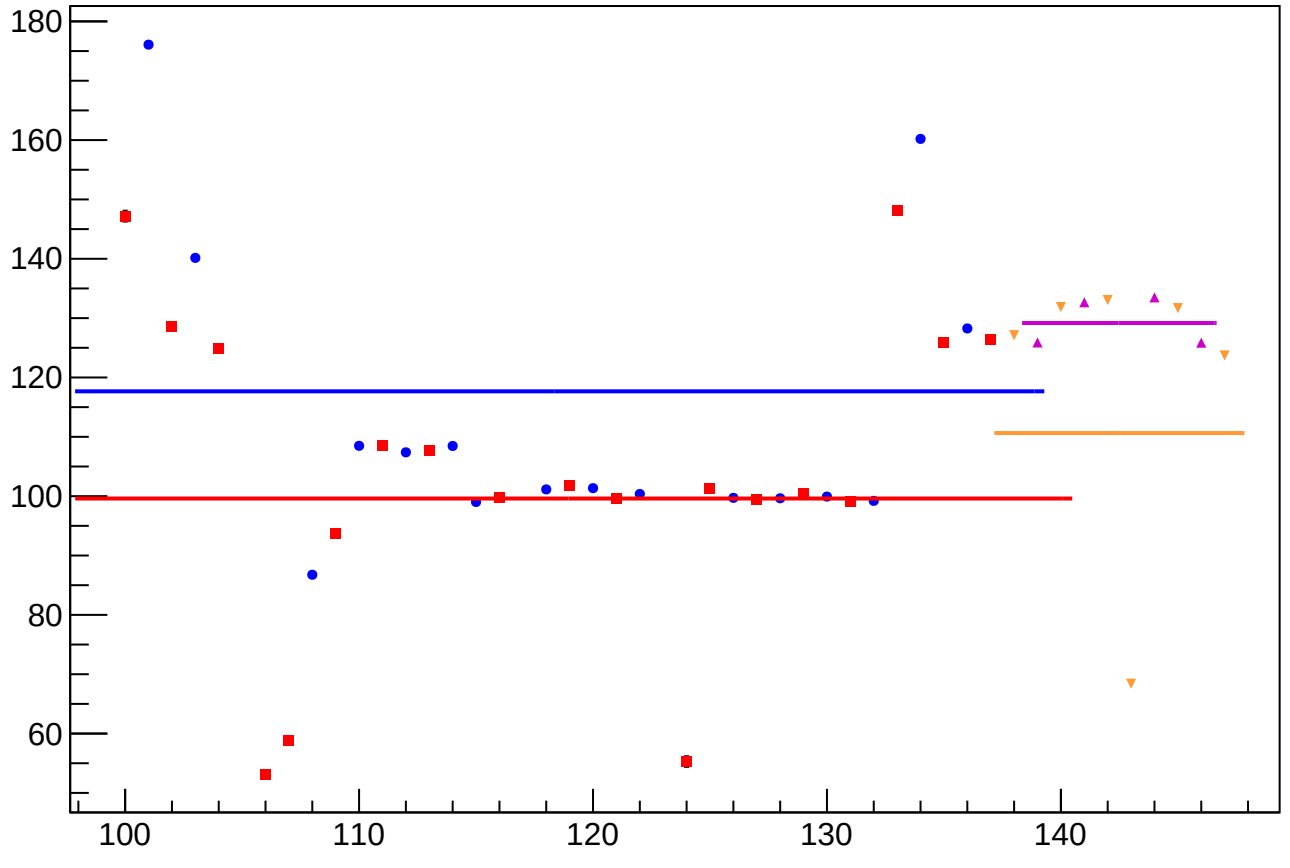
Left: -60.331+/-1.080 χ^2/NDF: 279.7/9

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.918+/-1.052 χ^2/NDF:451.3/19

Out: -67.128+/-0.906 χ^2/NDF:905.0/24

All: -70.868+/-0.686 χ^2/NDF: 1396.4/44



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 110.637+/-0.067 χ^2/NDF:175137.6/5

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 129.178+/-0.085 χ^2/NDF:1773.8/3

Left: 117.721+/-0.053 χ^2/NDF: 206162.3/9

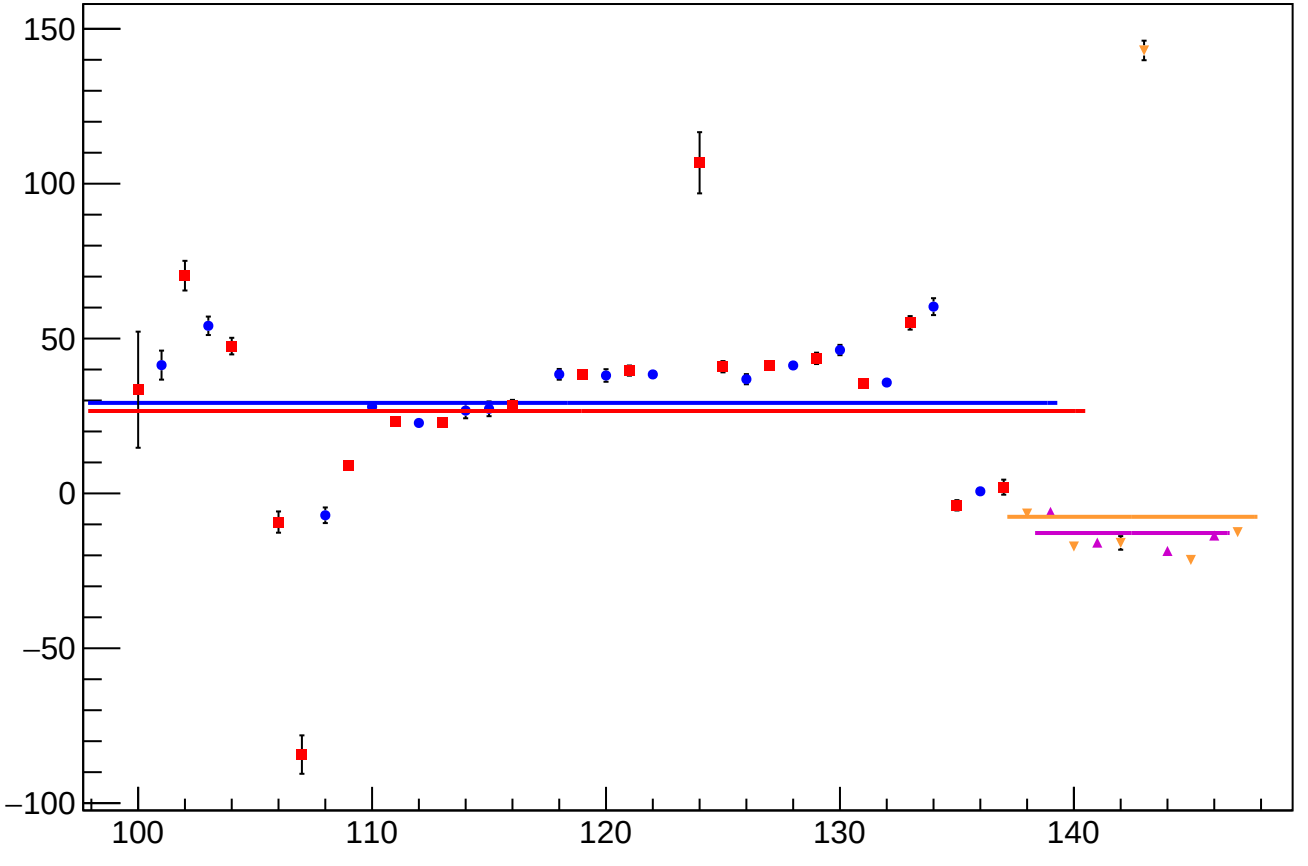
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.932+/-0.058 χ^2/NDF:107071.5/19

Out: 105.385+/-0.049 χ^2/NDF:354276.3/24

All: 112.660+/-0.037 χ^2/NDF: 515605.6/44

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: -7.551+/-0.640 χ^2/NDF:2441.1/5

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.784+/-0.684 χ^2/NDF:51.2/3

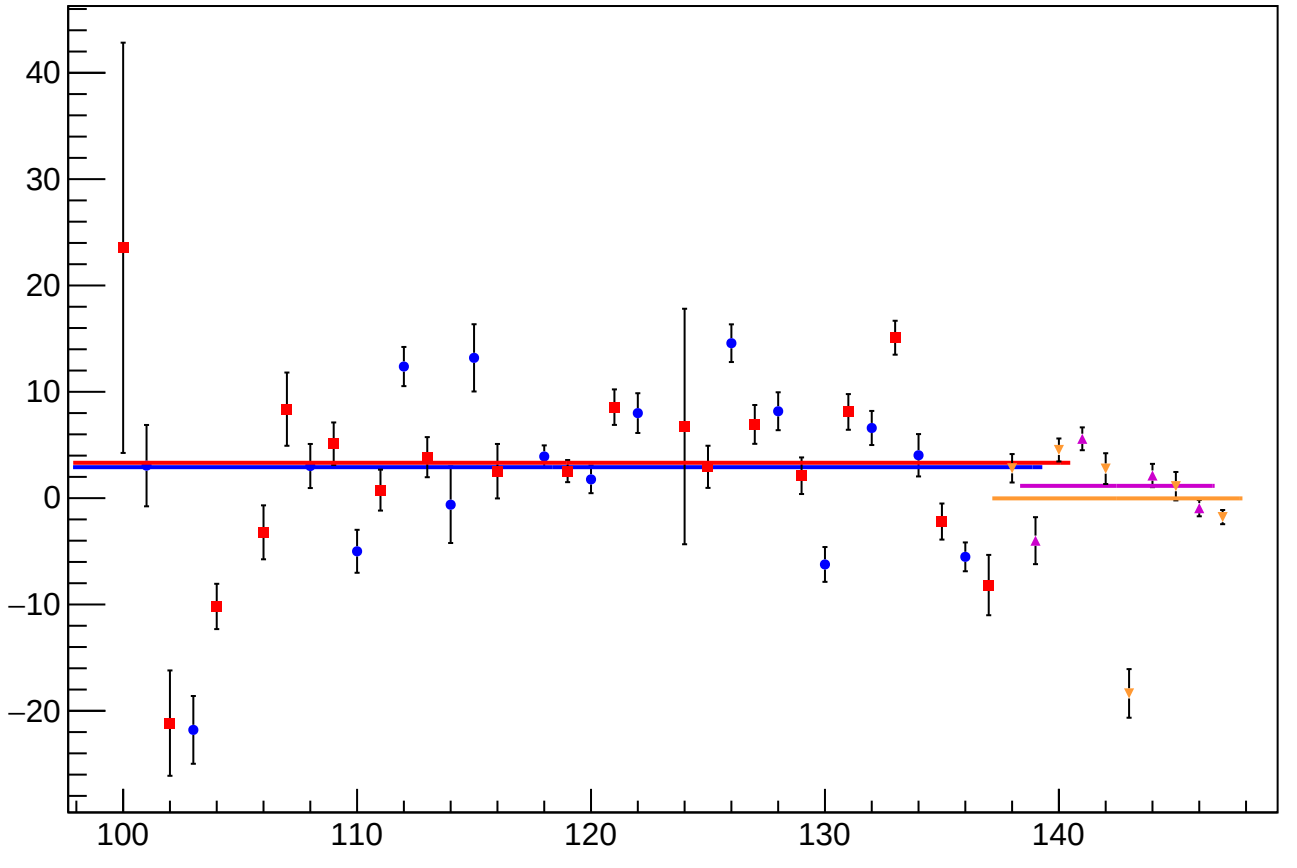
Left: -9.992+/-0.467 χ^2/NDF: 2523.6/9

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 17.559+/-0.361 χ^2/NDF:4117.8/19

Out: 16.522+/-0.348 χ^2/NDF:6371.3/24

All: 17.022+/-0.250 χ^2/NDF: 10493.4/44



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.022+/-0.452 χ^2/NDF:98.0/5

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.156+/-0.526 χ^2/NDF:30.7/3

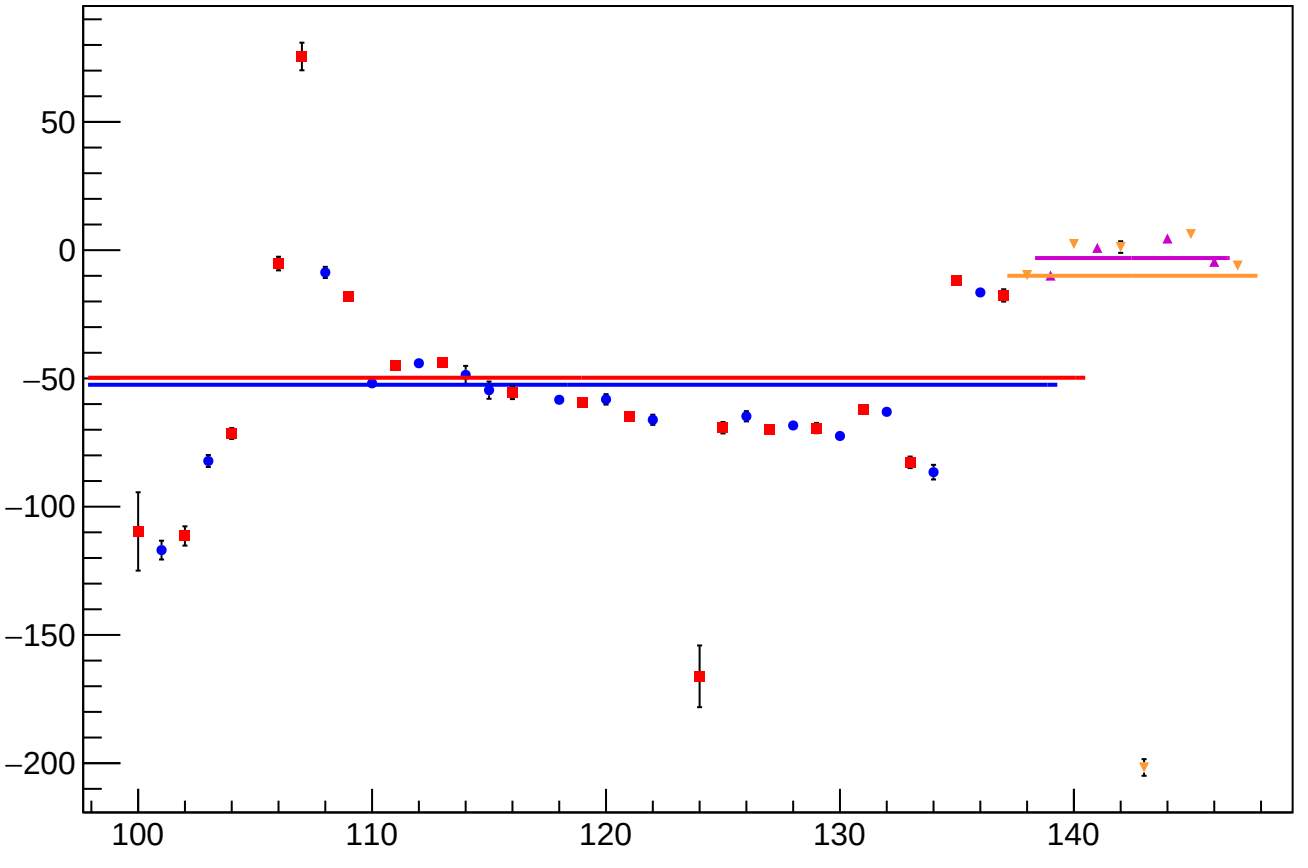
Left: 0.478+/-0.343 χ^2/NDF: 131.7/9

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 2.184+/-0.339 χ^2/NDF:287.2/19

Out: 1.646+/-0.320 χ^2/NDF:307.1/24

All: 1.900+/-0.233 χ^2/NDF: 595.7/44



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.983+/-0.646 χ^2/NDF:3717.4/5

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.070+/-0.693 χ^2/NDF:61.9/3

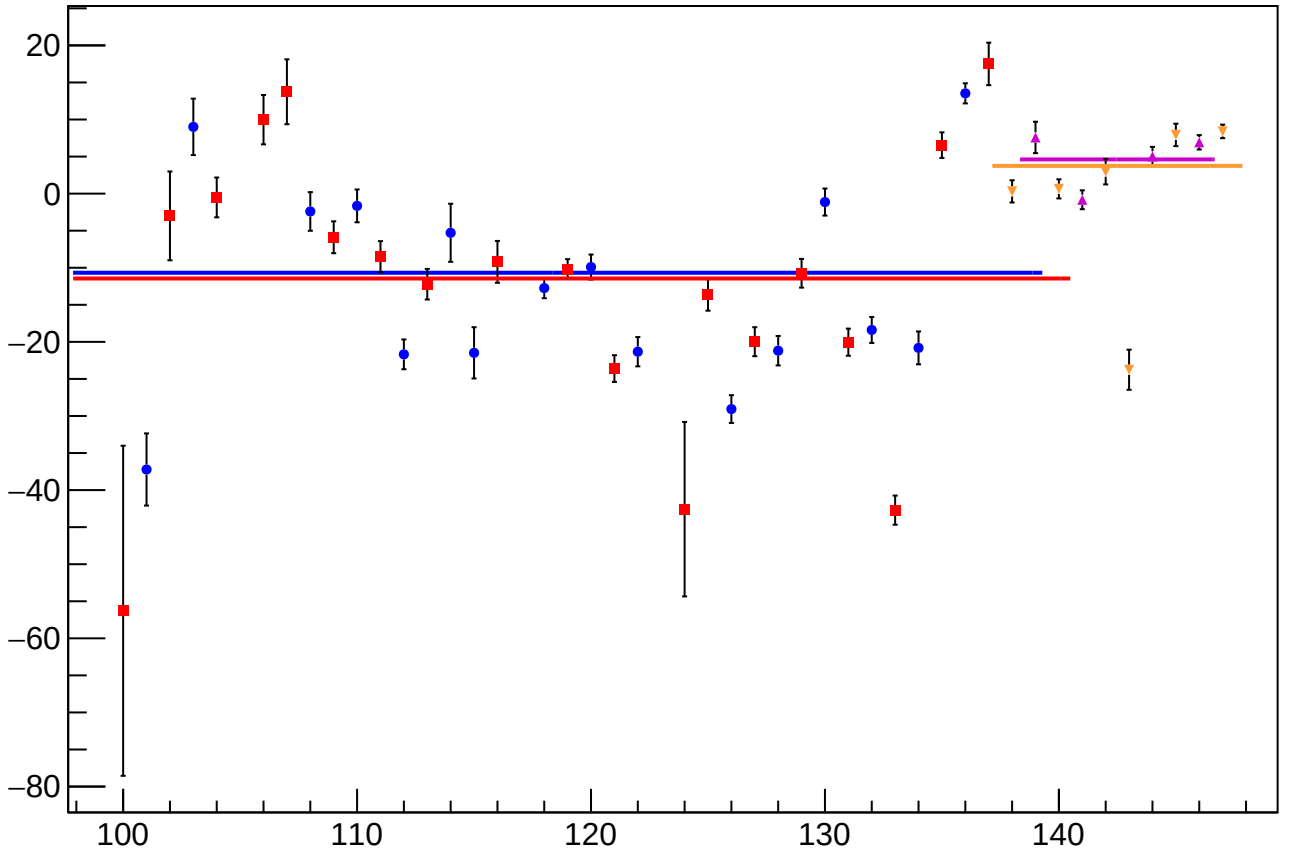
Left: -6.771+/-0.472 χ^2/NDF: 3832.6/9

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -36.100+/-0.399 χ^2/NDF:5790.1/19

Out: -35.056+/-0.392 χ^2/NDF:9117.5/24

All: -35.569+/-0.280 χ^2/NDF: 14911.1/44



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.745+/-0.563 χ^2/NDF:148.2/5

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.612+/-0.632 χ^2/NDF:26.0/3

Left: 4.129+/-0.420 χ^2/NDF: 175.3/9

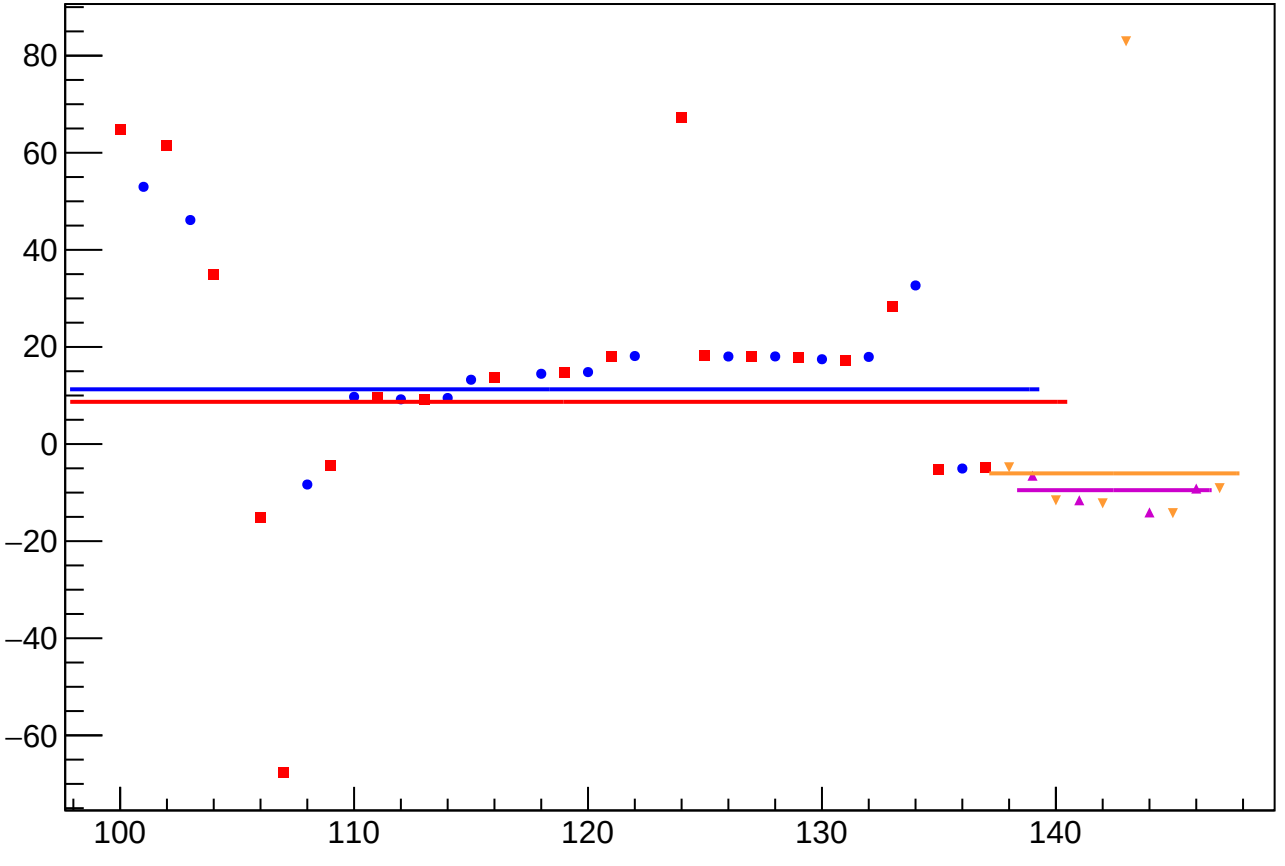
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -4.709+/-0.395 χ^2/NDF:1049.4/19

Out: -4.513+/-0.380 χ^2/NDF:1209.8/24

All: -4.607+/-0.274 χ^2/NDF: 2259.3/44

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.040+/-0.027 χ^2/NDF:467938.5/5

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.499+/-0.028 χ^2/NDF:10005.3/3

Left: -7.708+/-0.019 χ^2/NDF: 485916.6/9

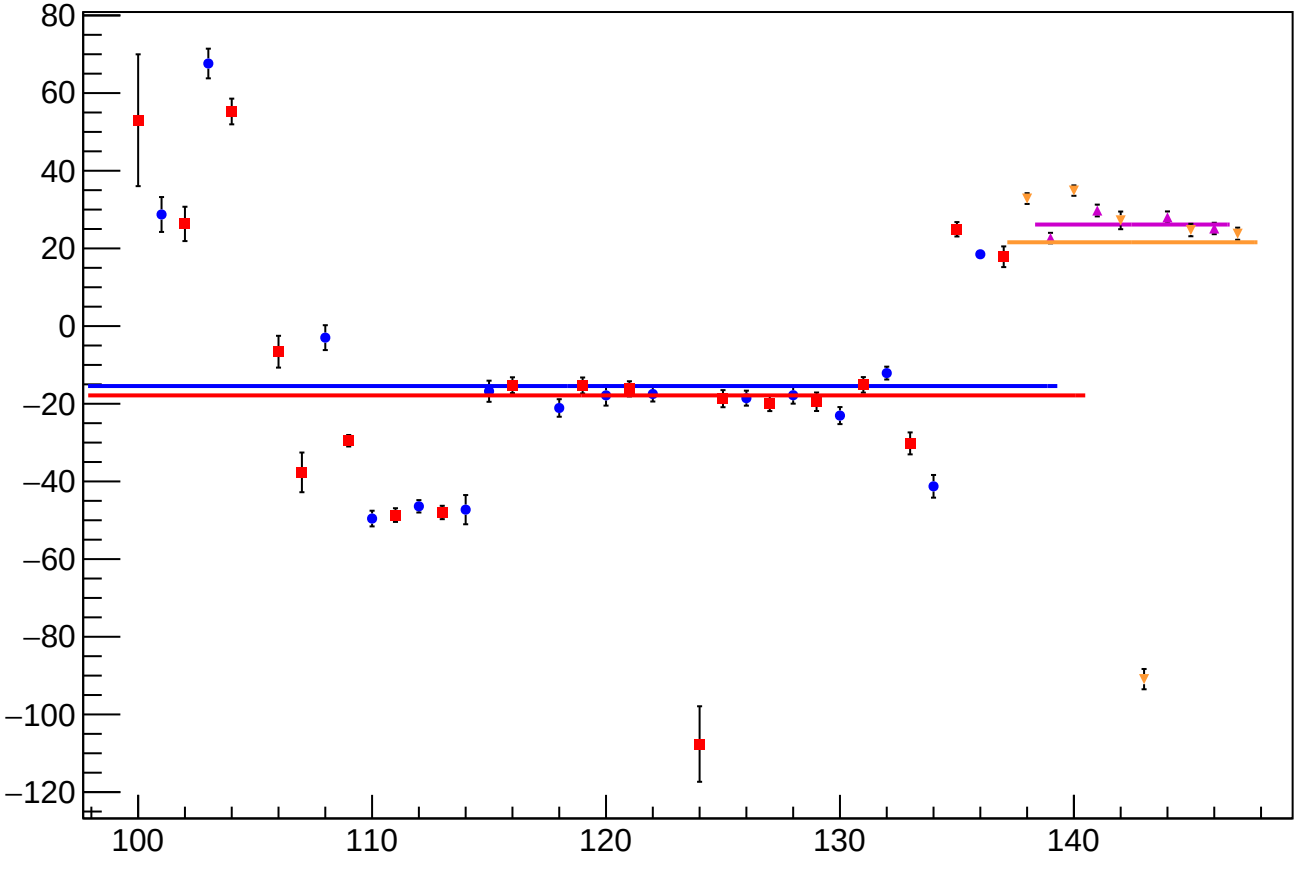
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: 0.156+/-0.020 χ^2/NDF:617414.2/19

Out: 0.193+/-0.020 χ^2/NDF:1031057.3/24

All: 0.174+/-0.014 χ^2/NDF: 1648473.1/44

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 21.581+/-0.672 χ^2/NDF:2030.7/5

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.149+/-0.732 χ^2/NDF:14.2/3

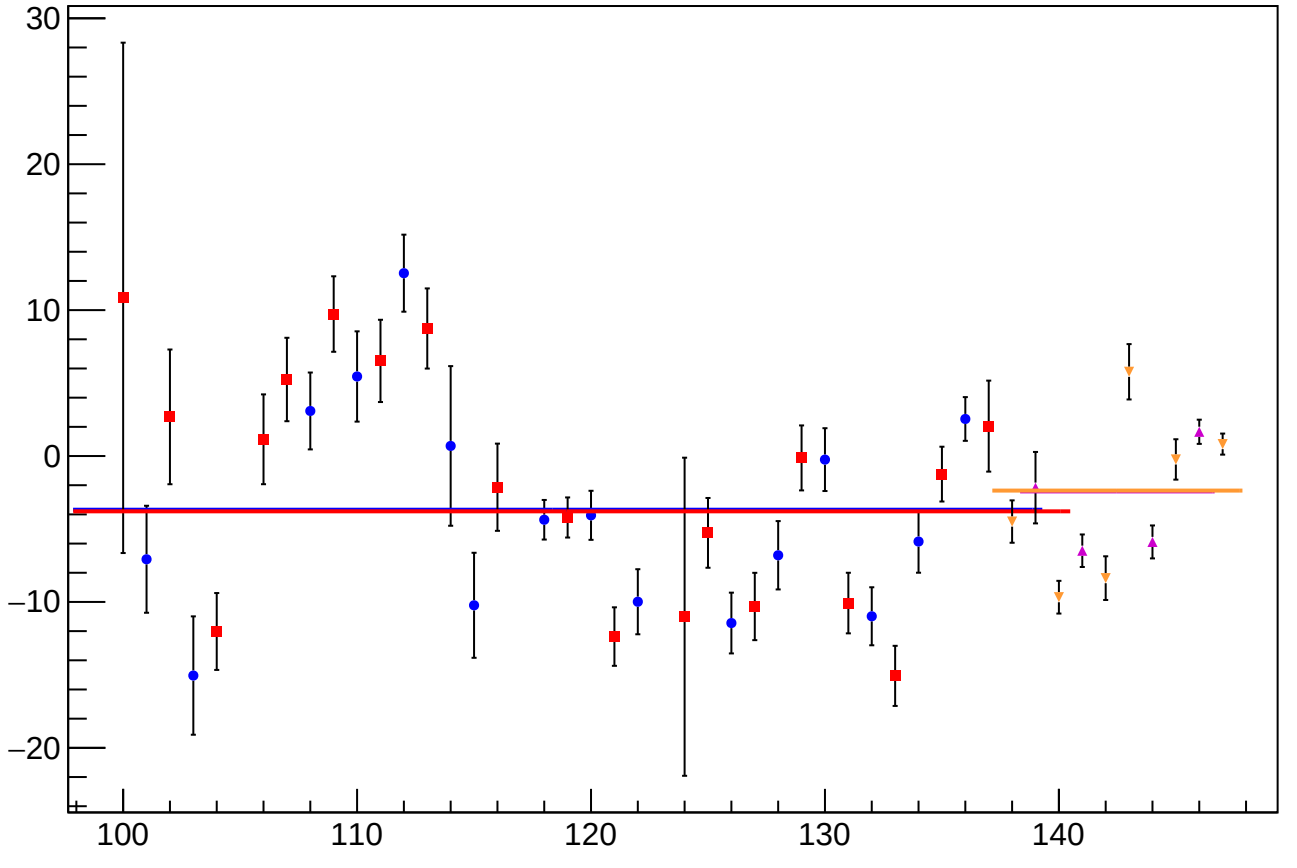
Left: 23.672+/-0.495 χ^2/NDF: 2066.1/9

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: -0.805+/-0.434 χ^2/NDF:4232.8/19

Out: -2.744+/-0.416 χ^2/NDF:6279.0/24

All: -1.815+/-0.300 χ^2/NDF: 10522.2/44



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.368+/-0.475 χ^2/NDF:101.0/5

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -2.425+/-0.558 χ^2/NDF:47.0/3

Left: -2.392+/-0.362 χ^2/NDF: 148.0/9

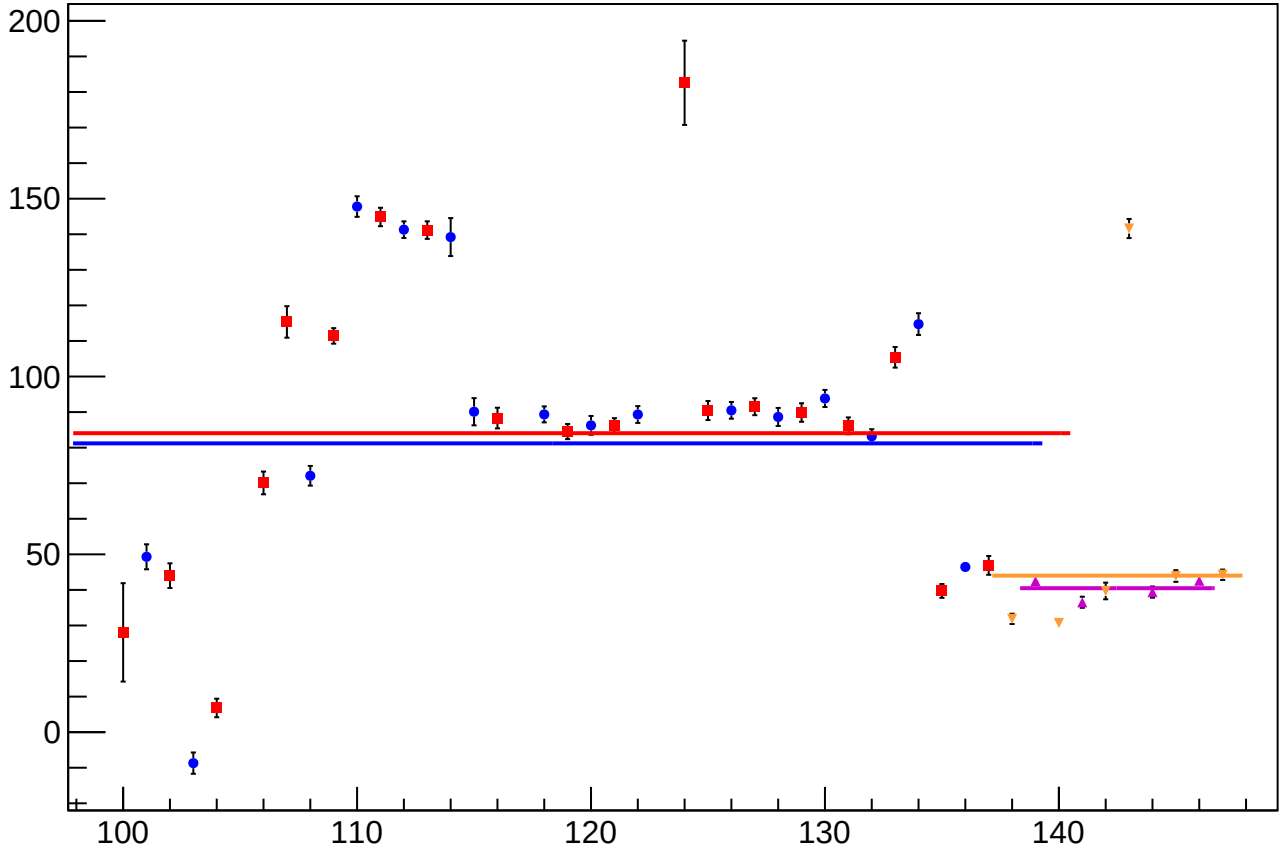
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -3.059+/-0.392 χ^2/NDF:173.5/19

Out: -2.958+/-0.363 χ^2/NDF:265.9/24

All: -3.005+/-0.267 χ^2/NDF: 439.5/44

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 44.019+/-0.679 χ^2/NDF:1486.8/5

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.482+/-0.741 χ^2/NDF:11.2/3

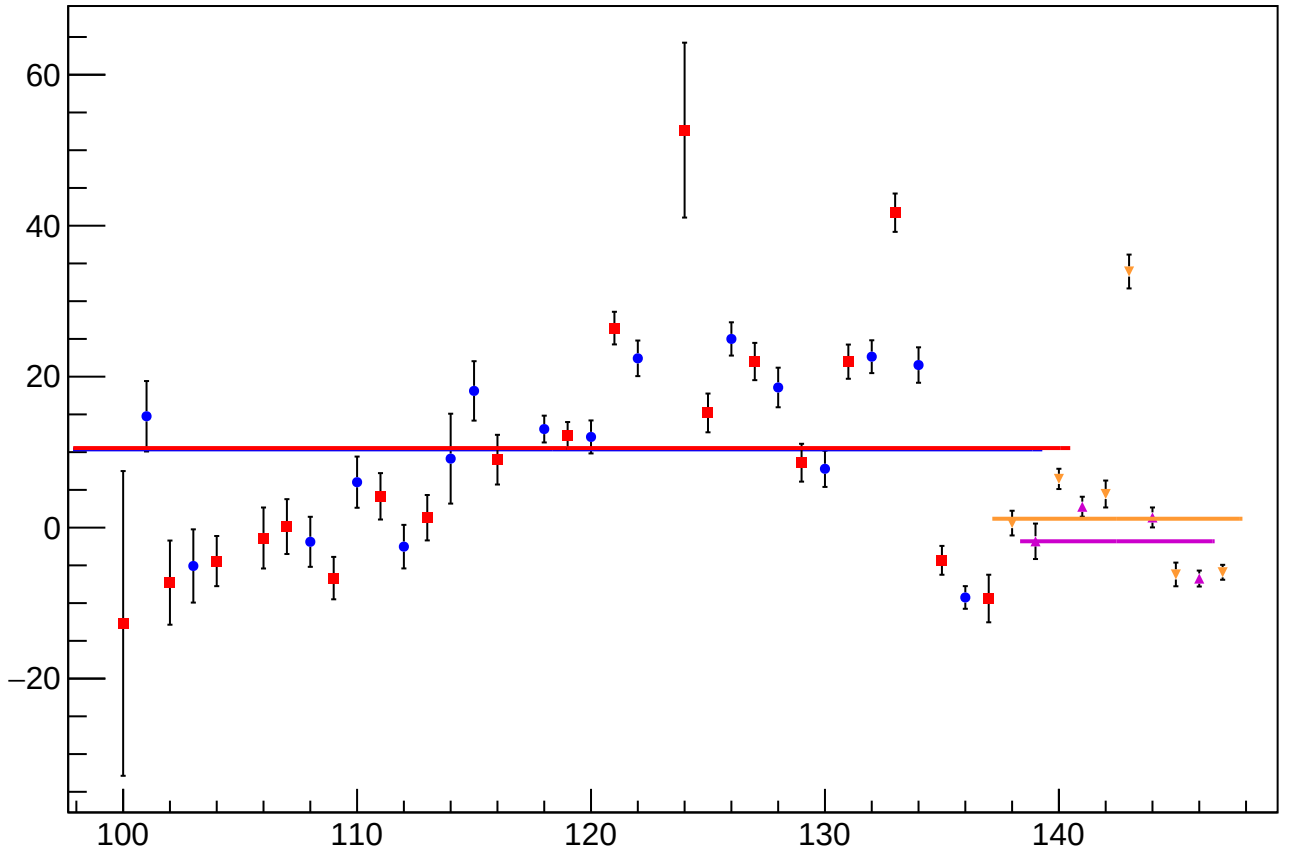
Left: 42.404+/-0.501 χ^2/NDF: 1510.4/9

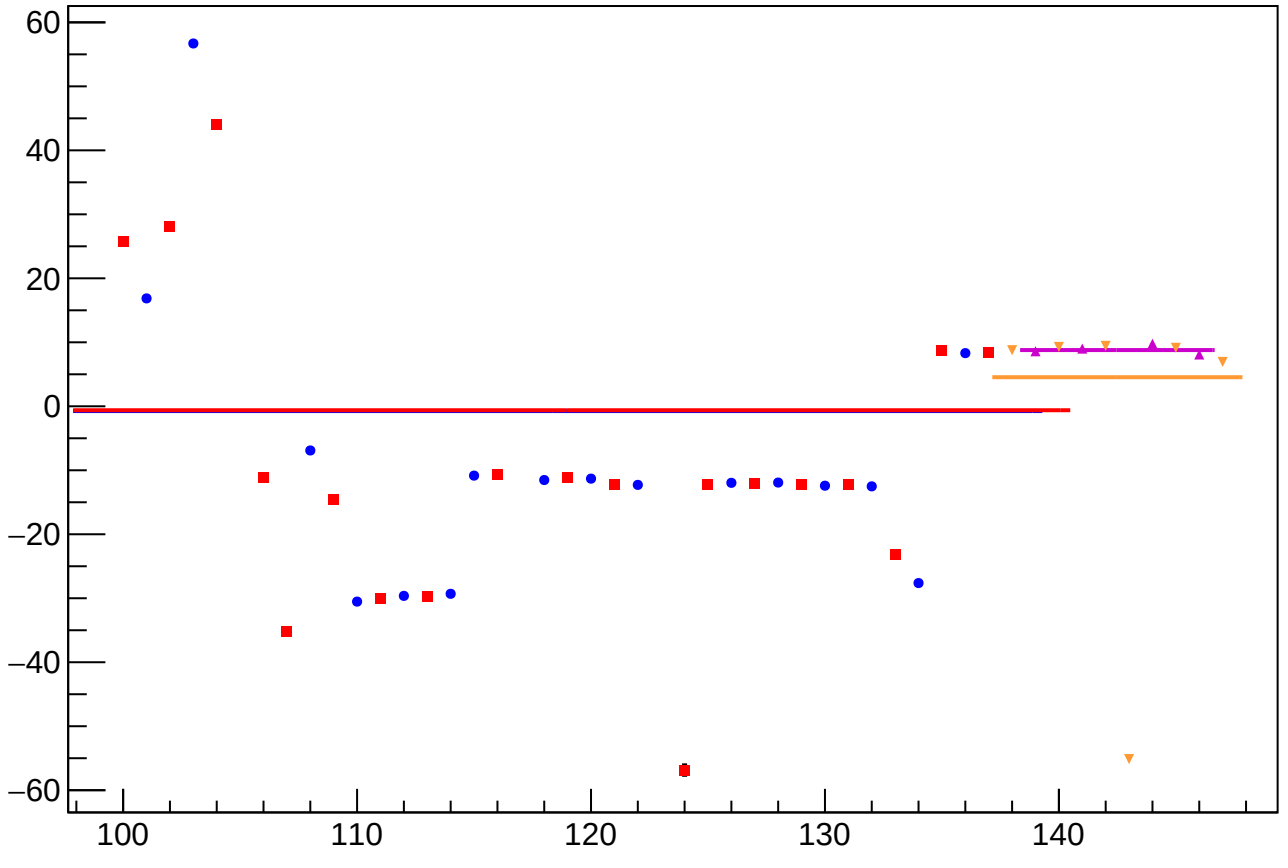
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 64.854+/-0.470 χ^2/NDF:5048.3/19

Out: 65.980+/-0.456 χ^2/NDF:6600.2/24

All: 65.433+/-0.327 χ^2/NDF: 11651.5/44


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: 1.178+/-0.590 χ²/NDF:306.2/5
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -1.809+/-0.671 χ²/NDF:39.6/3
Left: -0.125+/-0.443 χ²/NDF: 357.0/9
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 4.694+/-0.458 χ²/NDF:575.3/19
Out: 5.477+/-0.434 χ²/NDF:892.5/24
All: 5.107+/-0.315 χ²/NDF: 1469.4/44



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.544+/-0.028 χ^2/NDF:305739.2/5

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.785+/-0.030 χ^2/NDF:354.7/3

Left: 6.548+/-0.021 χ^2/NDF: 316673.0/9

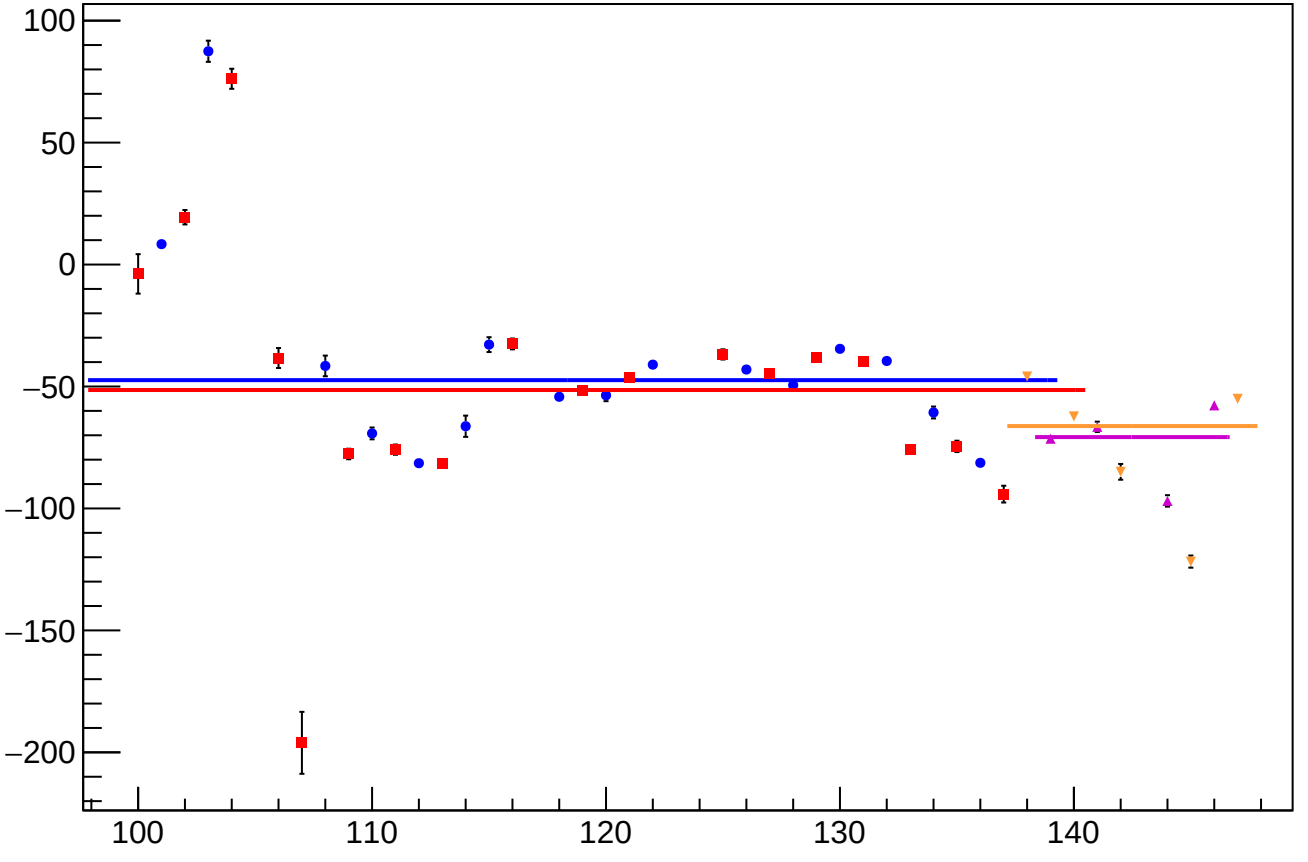
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.872+/-0.023 χ^2/NDF:409932.1/19

Out: 2.656+/-0.023 χ^2/NDF:634359.7/24

All: 3.744+/-0.016 χ^2/NDF: 1049020.1/44

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -66.226+/-0.936 χ^2/NDF:701.0/4

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -70.742+/-0.989 χ^2/NDF:181.3/3

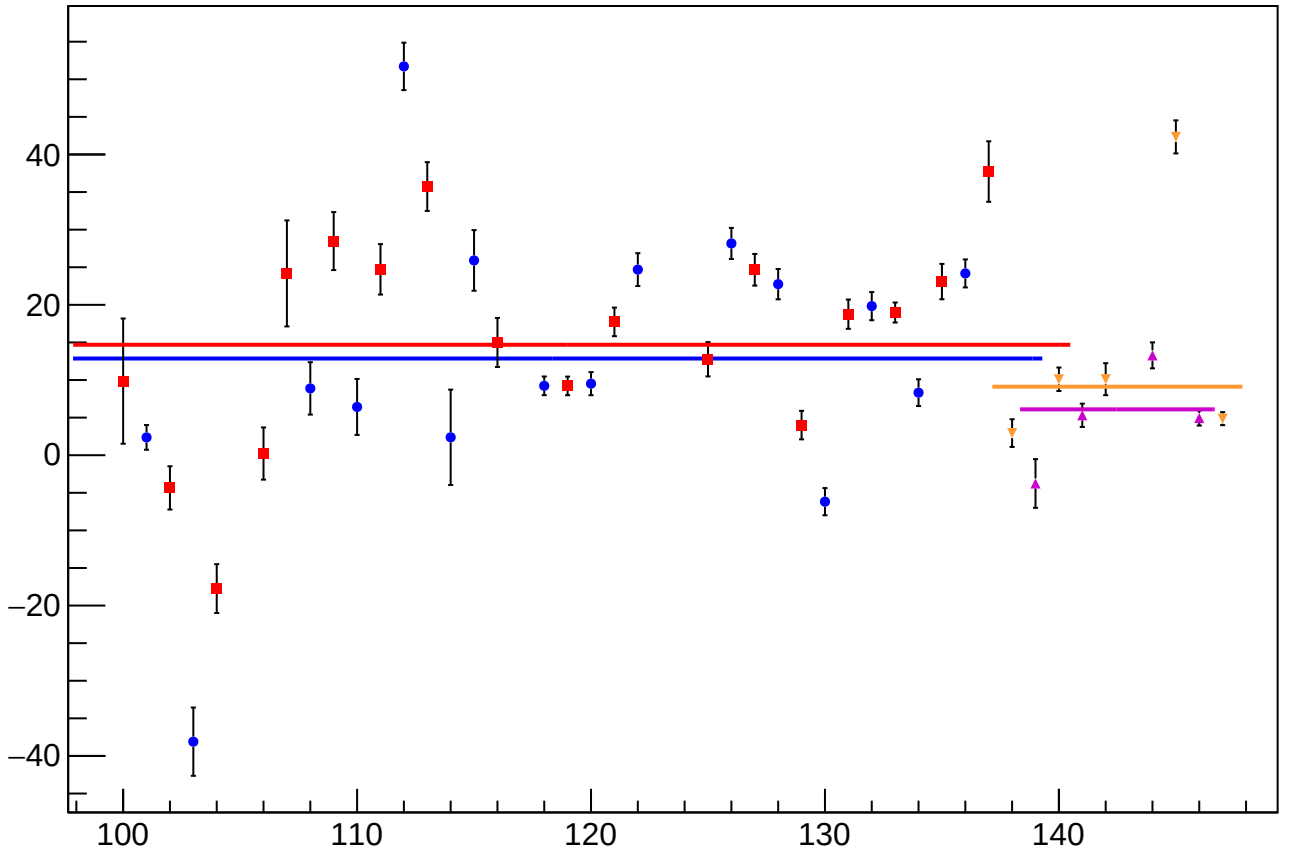
Left: -68.358+/-0.680 χ^2/NDF: 893.3/8

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -52.680+/-0.471 χ^2/NDF:3381.0/19

Out: -55.188+/-0.471 χ^2/NDF:3760.1/22

All: -53.933+/-0.333 χ^2/NDF: 7155.2/42



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 9.111+/-0.637 χ^2/NDF:264.2/4

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.098+/-0.737 χ^2/NDF:28.1/3

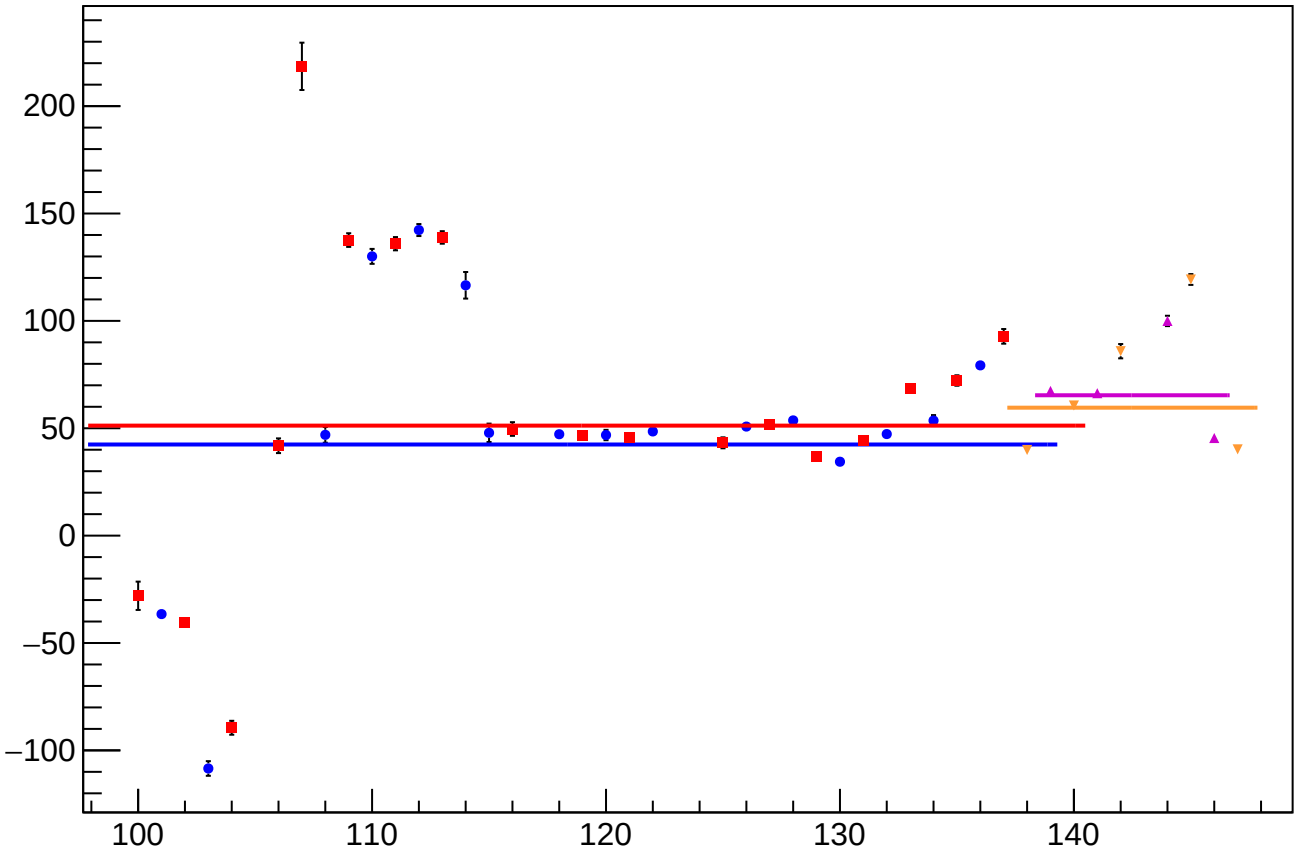
Left: 7.824+/-0.482 χ^2/NDF: 301.9/8

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 10.621+/-0.424 χ^2/NDF:709.9/19

Out: 12.335+/-0.414 χ^2/NDF:672.7/22

All: 11.500+/-0.296 χ^2/NDF: 1390.9/42



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 59.581+/-0.939 χ^2/NDF:860.2/4

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 65.366+/-0.998 χ^2/NDF:341.2/3

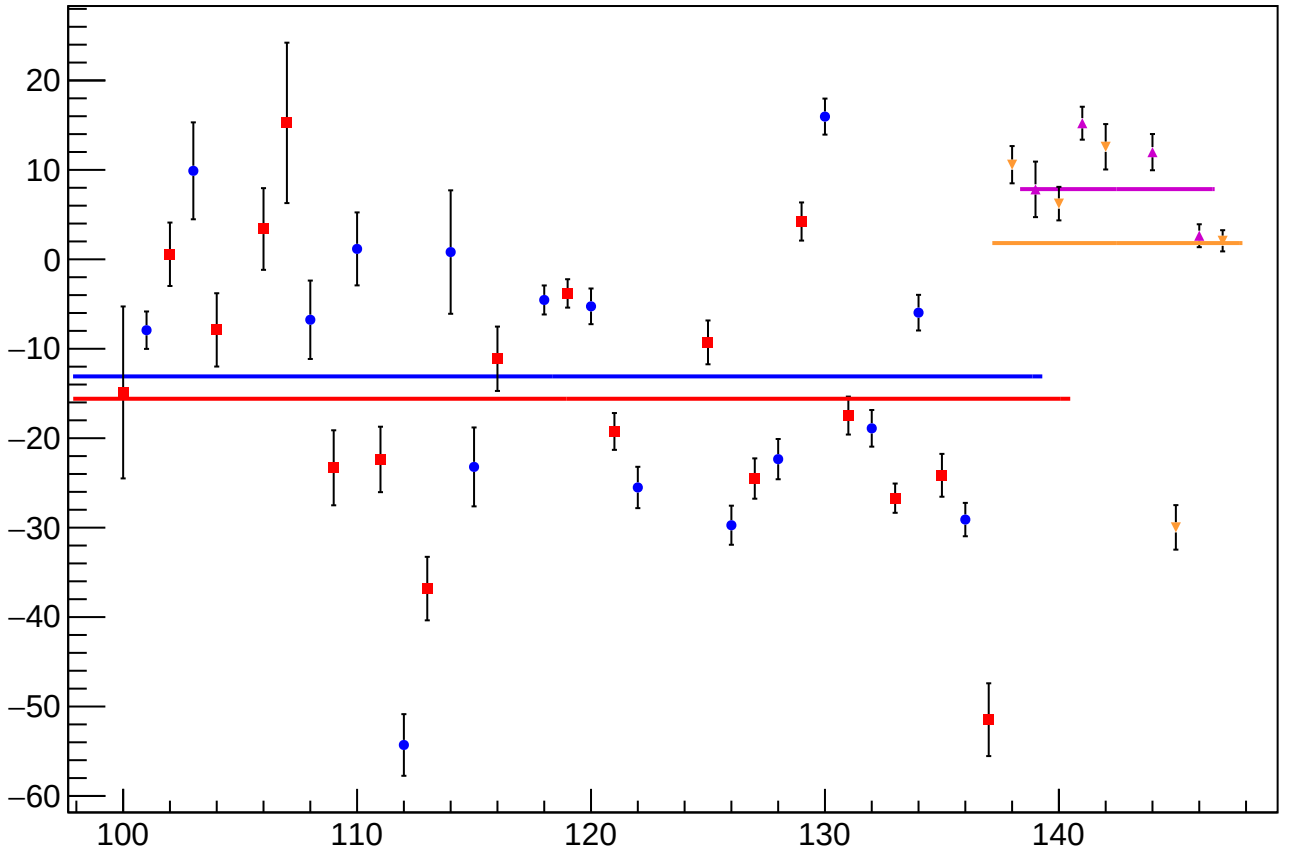
Left: 62.297+/-0.684 χ^2/NDF: 1219.2/8

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 48.288+/-0.504 χ^2/NDF:7903.0/19

Out: 53.732+/-0.514 χ^2/NDF:7526.9/22

All: 50.956+/-0.360 χ^2/NDF: 15487.1/42



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.817+/-0.805 χ^2/NDF:204.3/4

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 7.851+/-0.894 χ^2/NDF:36.7/3

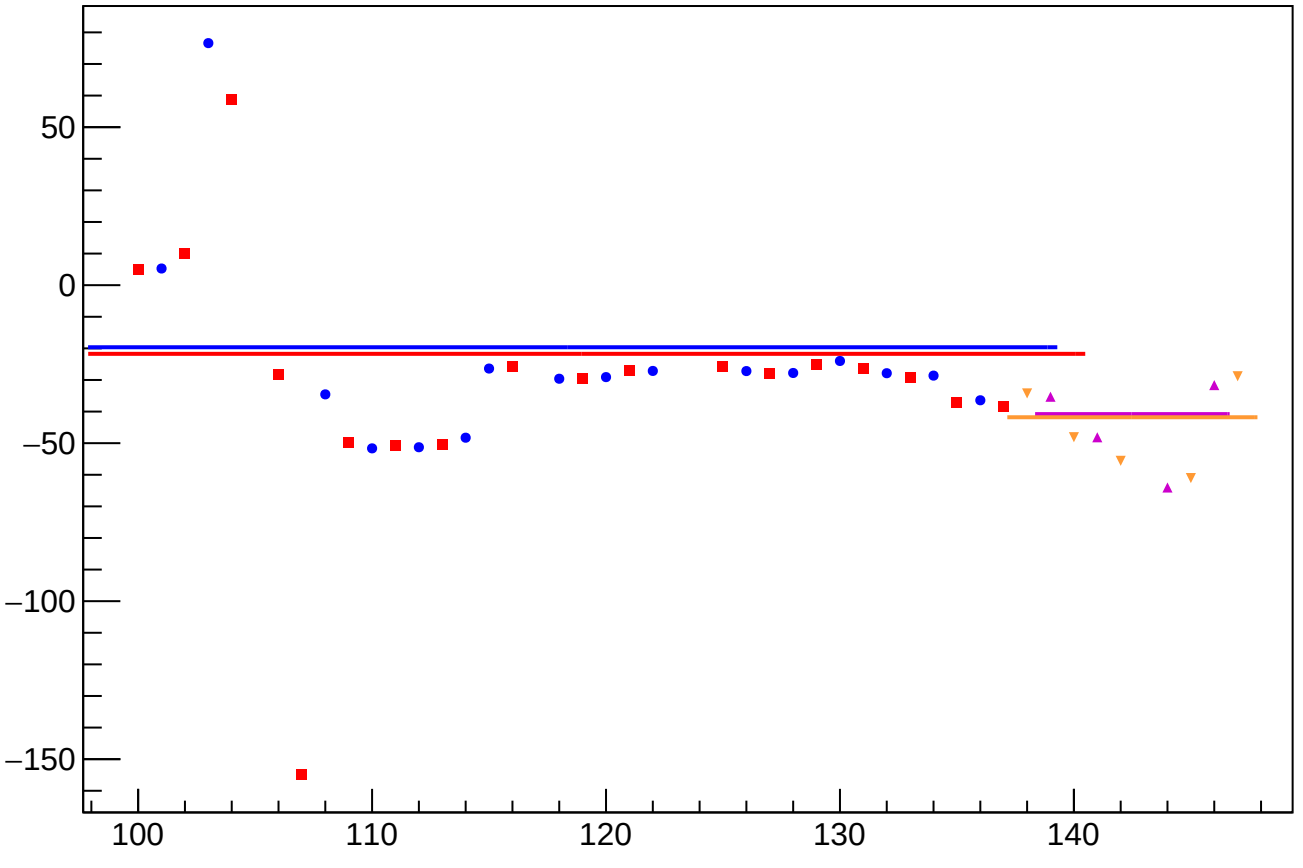
Left: 4.519+/-0.598 χ^2/NDF: 266.2/8

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -6.587+/-0.498 χ^2/NDF:1055.2/19

Out: -9.018+/-0.495 χ^2/NDF:897.3/22

All: -7.811+/-0.351 χ^2/NDF: 1964.5/42



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -41.799+/-0.039 χ^2/NDF:91604.1/4

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -40.801+/-0.040 χ^2/NDF:75008.7/3

Left: -41.309+/-0.028 χ^2/NDF: 166927.0/8

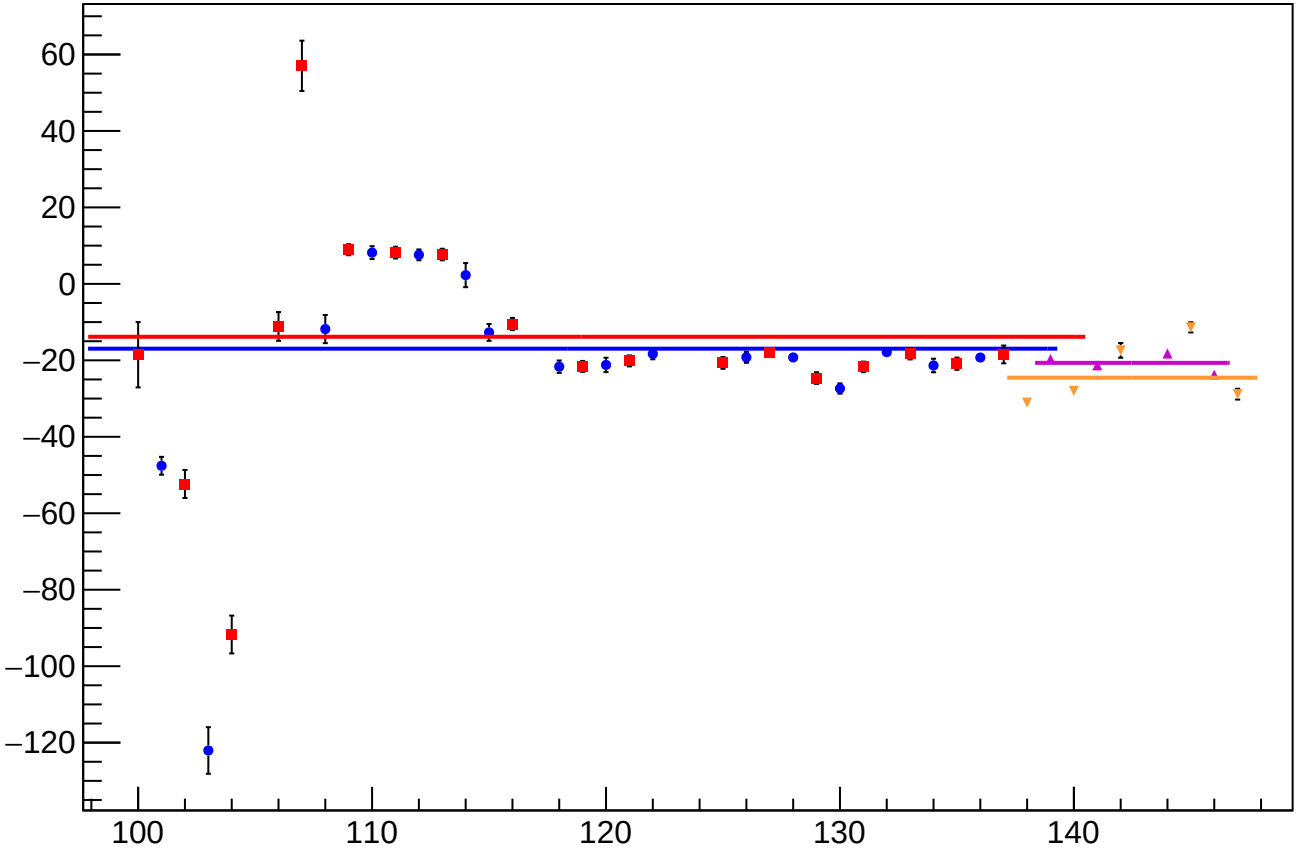
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.095+/-0.027 χ^2/NDF:875268.0/19

Out: -31.620+/-0.028 χ^2/NDF:769518.5/22

All: -30.319+/-0.019 χ^2/NDF: 1649072.2/42

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: -24.539+/-0.599 χ^2/NDF:158.8/4

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -20.657+/-0.627 χ^2/NDF:10.3/3

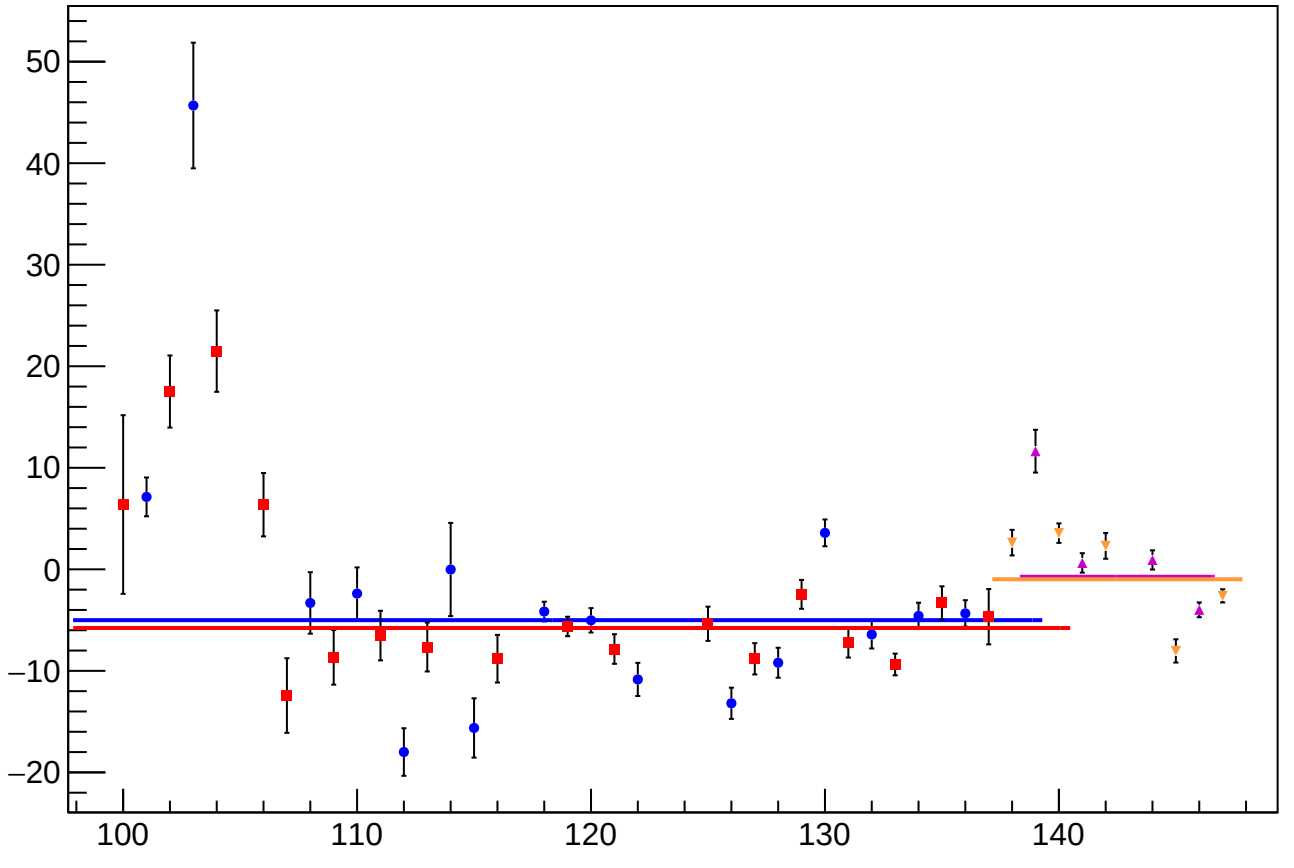
Left: -22.686+/-0.433 χ^2/NDF: 189.2/8

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -18.036+/-0.340 χ^2/NDF:1163.2/19

Out: -17.241+/-0.338 χ^2/NDF:1709.6/22

All: -17.637+/-0.240 χ^2/NDF: 2875.6/42



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -0.979+/-0.428 χ^2/NDF:81.6/4

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -0.732+/-0.481 χ^2/NDF:59.6/3

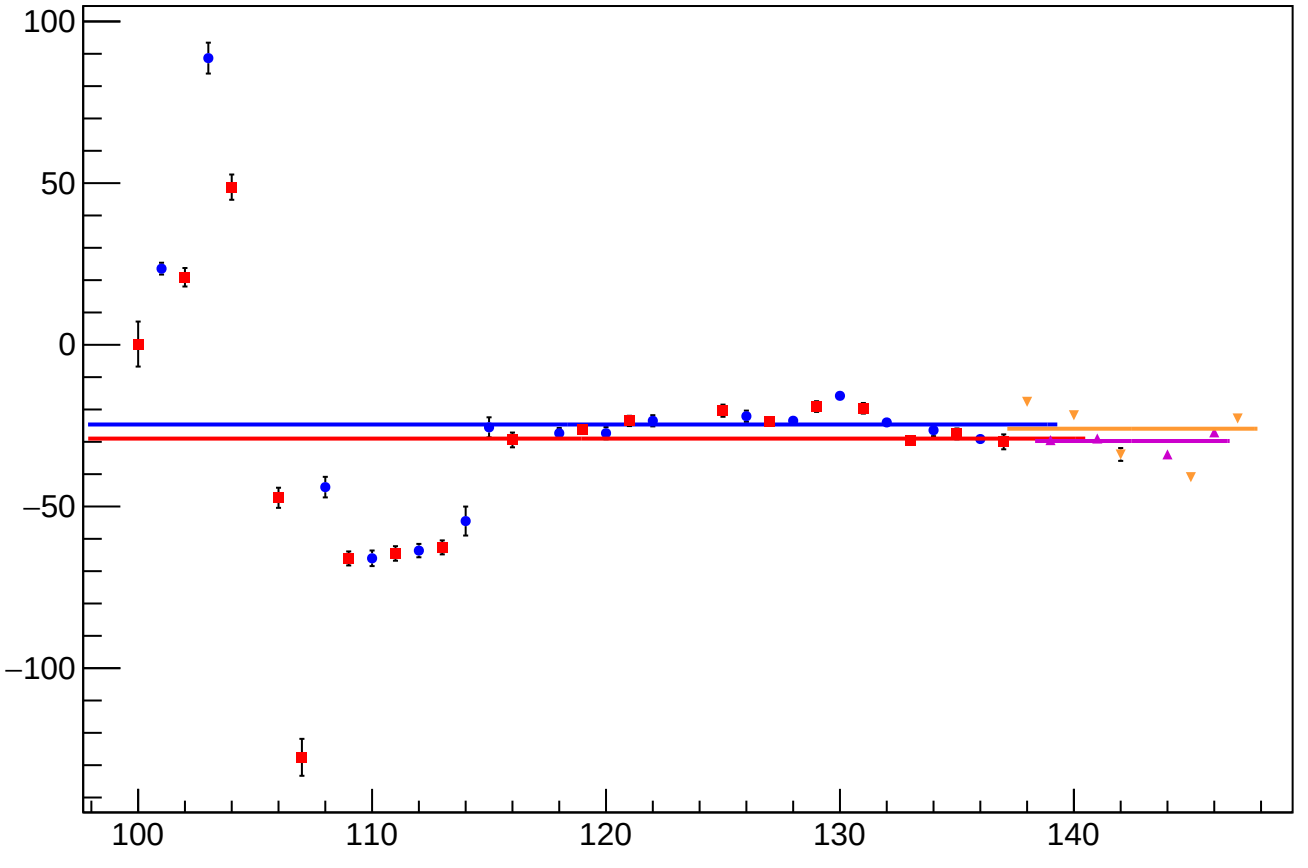
Left: -0.870+/-0.320 χ^2/NDF: 141.3/8

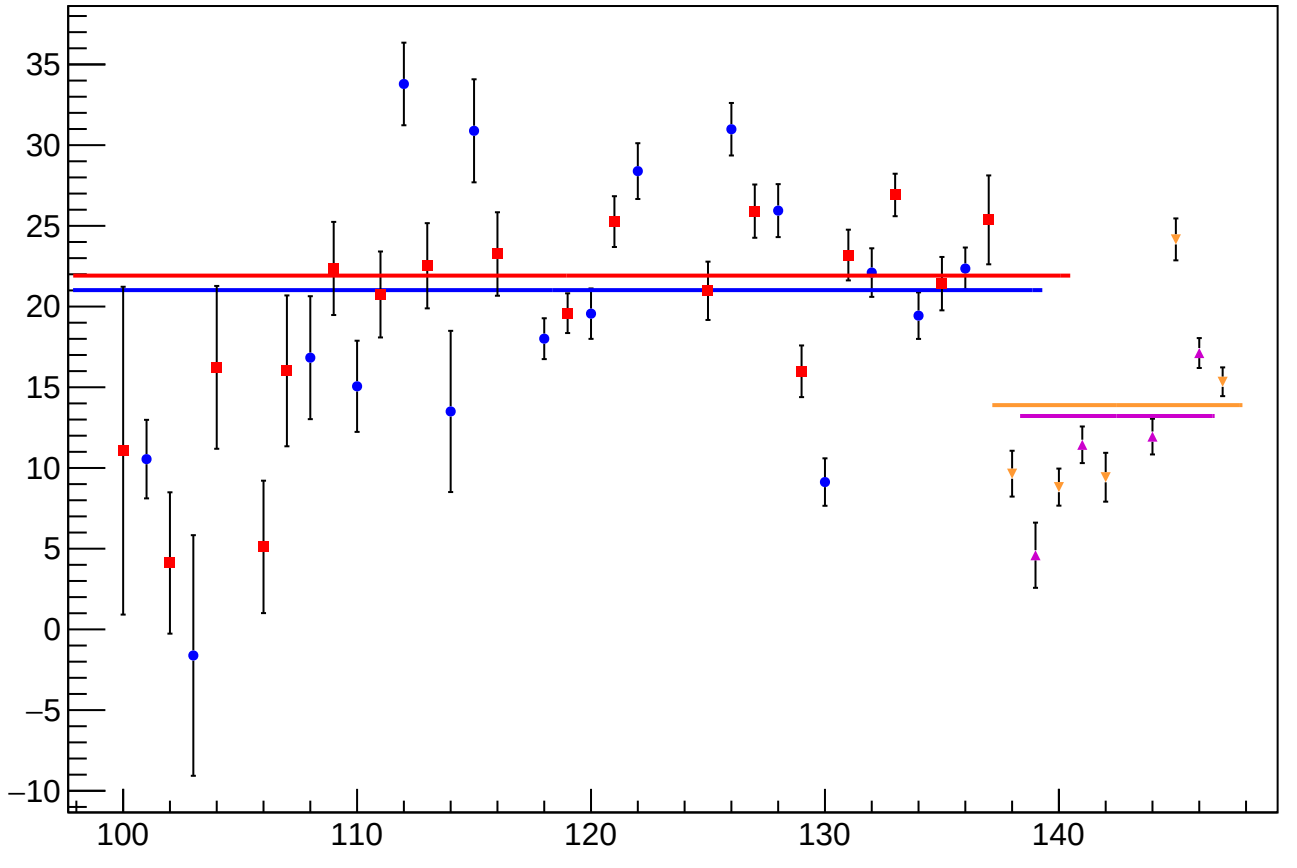
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.253+/-0.308 χ^2/NDF:353.8/19

Out: -3.427+/-0.300 χ^2/NDF:285.1/22

All: -3.342+/-0.215 χ^2/NDF: 639.1/42


reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
Right In: -24.641+/-0.455 χ²/NDF: 2051.8/15
Left Out: -25.944+/-0.606 χ²/NDF:199.5/4
Right Out: -29.002+/-0.475 χ²/NDF: 1952.3/17
Left In: -29.746+/-0.636 χ²/NDF:15.0/3
Left: -27.754+/-0.439 χ²/NDF: 233.2/8
Right: -26.727+/-0.329 χ²/NDF: 4048.0/33
In: -26.370+/-0.370 χ²/NDF:2109.4/19
Out: -27.837+/-0.374 χ²/NDF:2167.5/22
All: -27.096+/-0.263 χ²/NDF: 4284.8/42



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 13.894+/-0.531 χ^2/NDF:102.4/4

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 13.221+/-0.577 χ^2/NDF:39.8/3

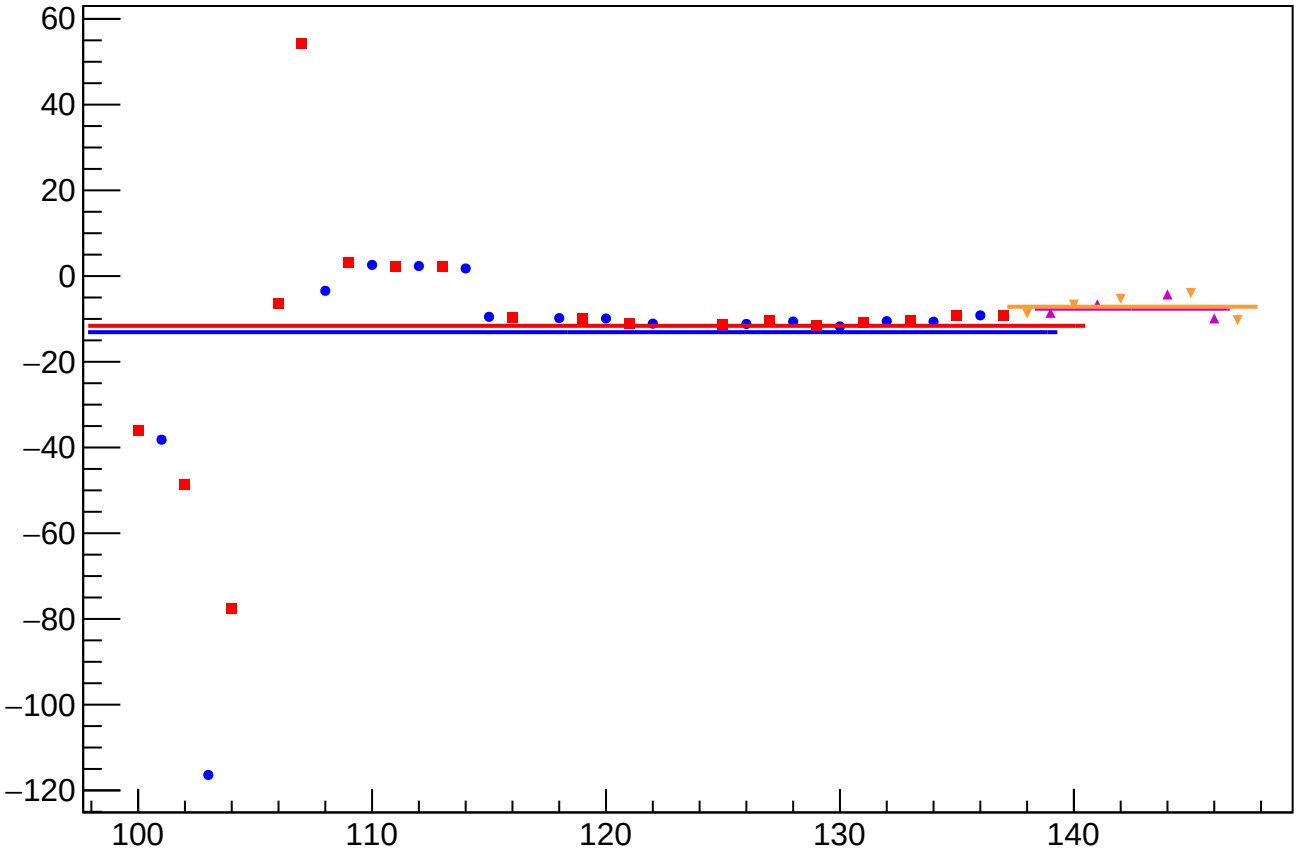
Left: 13.585+/-0.391 χ^2/NDF: 142.9/8

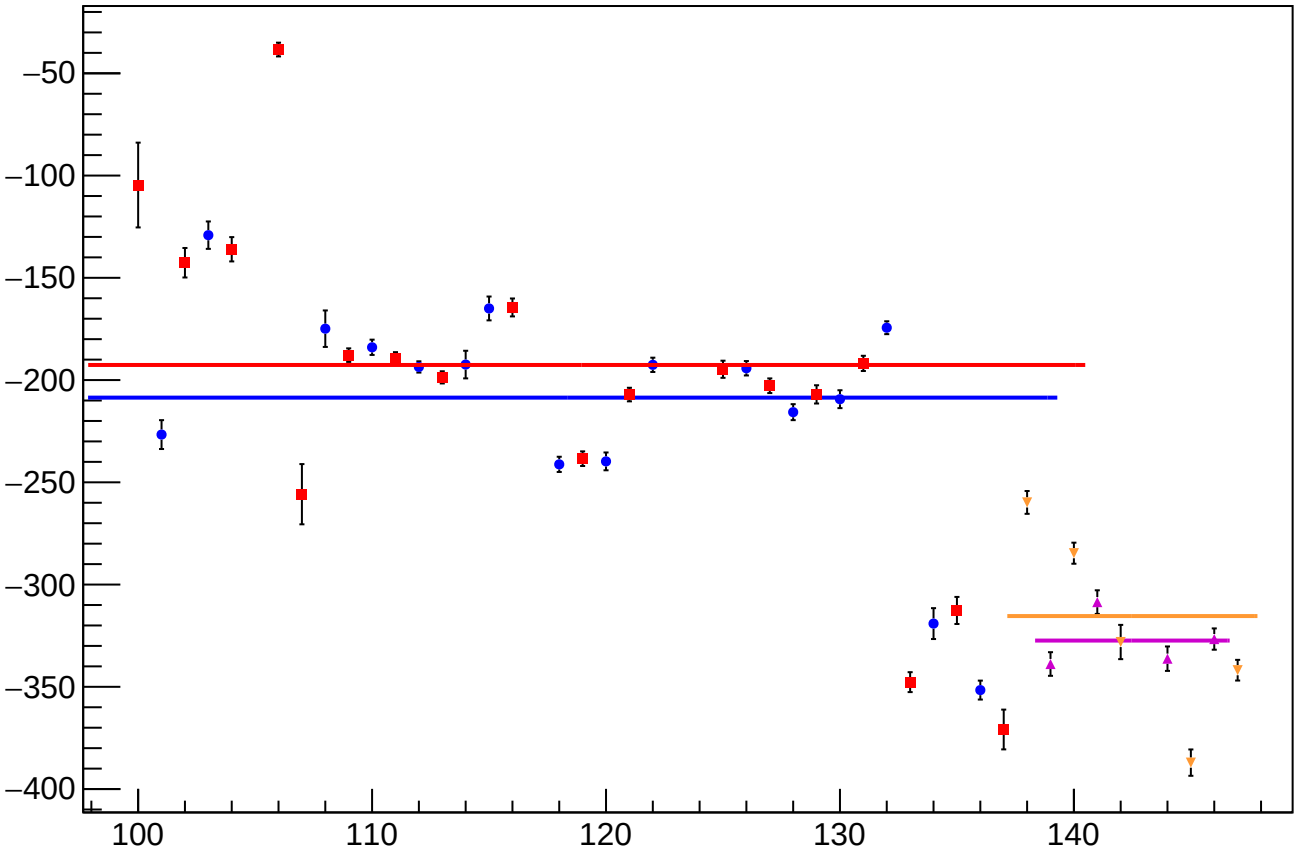
Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.003+/-0.359 χ^2/NDF:361.4/19

Out: 18.324+/-0.355 χ^2/NDF:310.9/22

All: 18.165+/-0.253 χ^2/NDF: 672.7/42


reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
Right In: -13.086+/-0.028 χ²/NDF: 344941.2/15
Left Out: -7.155+/-0.025 χ²/NDF:8084.3/4
Right Out: -11.610+/-0.031 χ²/NDF: 314183.9/17
Left In: -7.614+/-0.026 χ²/NDF:5835.6/3
Left: -7.381+/-0.018 χ²/NDF: 14081.9/8
Right: -12.409+/-0.021 χ²/NDF: 660362.1/33
In: -10.078+/-0.019 χ²/NDF:371170.1/19
Out: -8.940+/-0.020 χ²/NDF:334730.9/22
All: -9.524+/-0.014 χ²/NDF: 707636.8/42



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -315.403+/-2.606 χ^2/NDF:288.2/4

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -327.382+/-2.830 χ^2/NDF:16.8/3

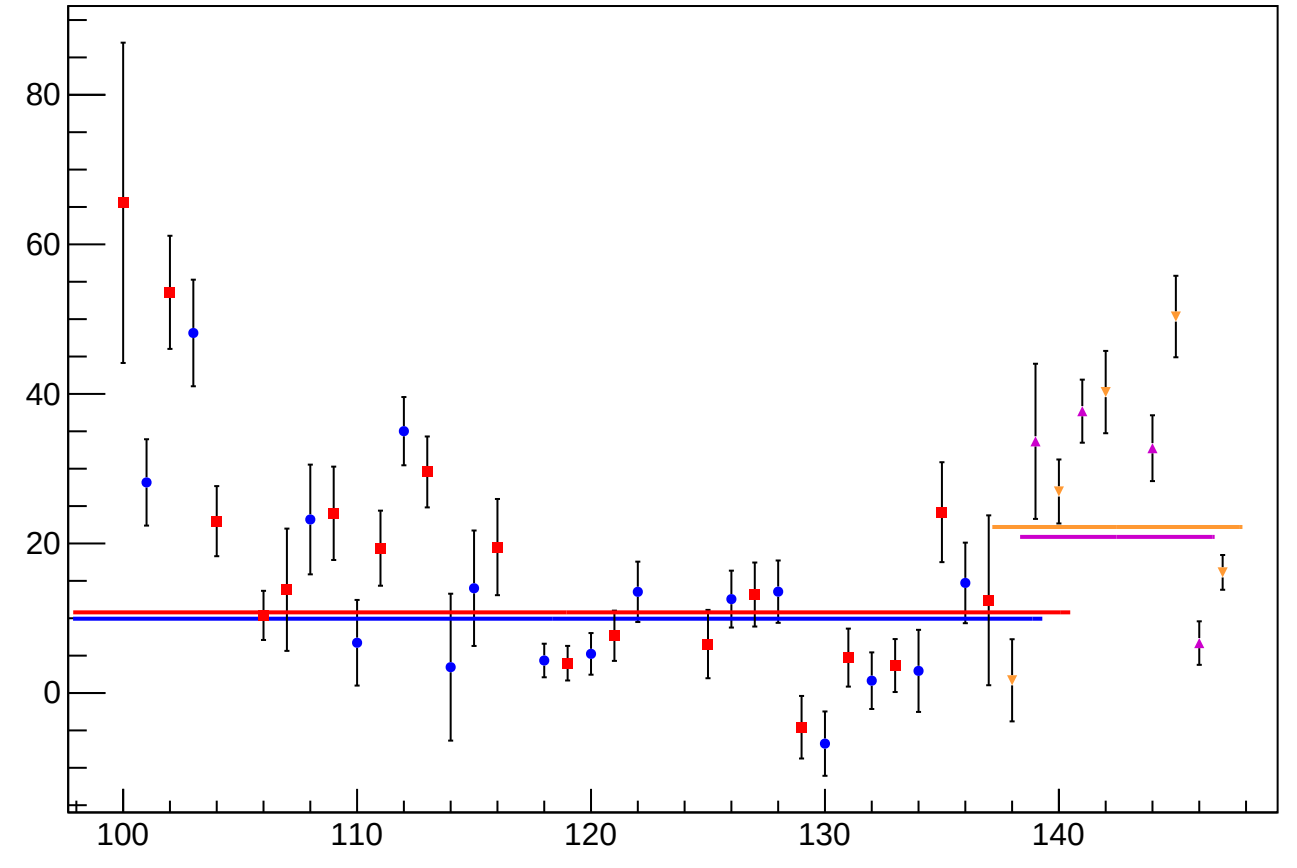
Left: -320.899+/-1.917 χ^2/NDF: 314.7/8

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -223.357+/-0.998 χ^2/NDF:3310.6/19

Out: -208.344+/-0.933 χ^2/NDF:6430.7/22

All: -215.343+/-0.681 χ^2/NDF: 9862.1/42



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 22.204+/-1.716 χ^2/NDF:59.4/4

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 20.880+/-2.062 χ^2/NDF:48.5/3

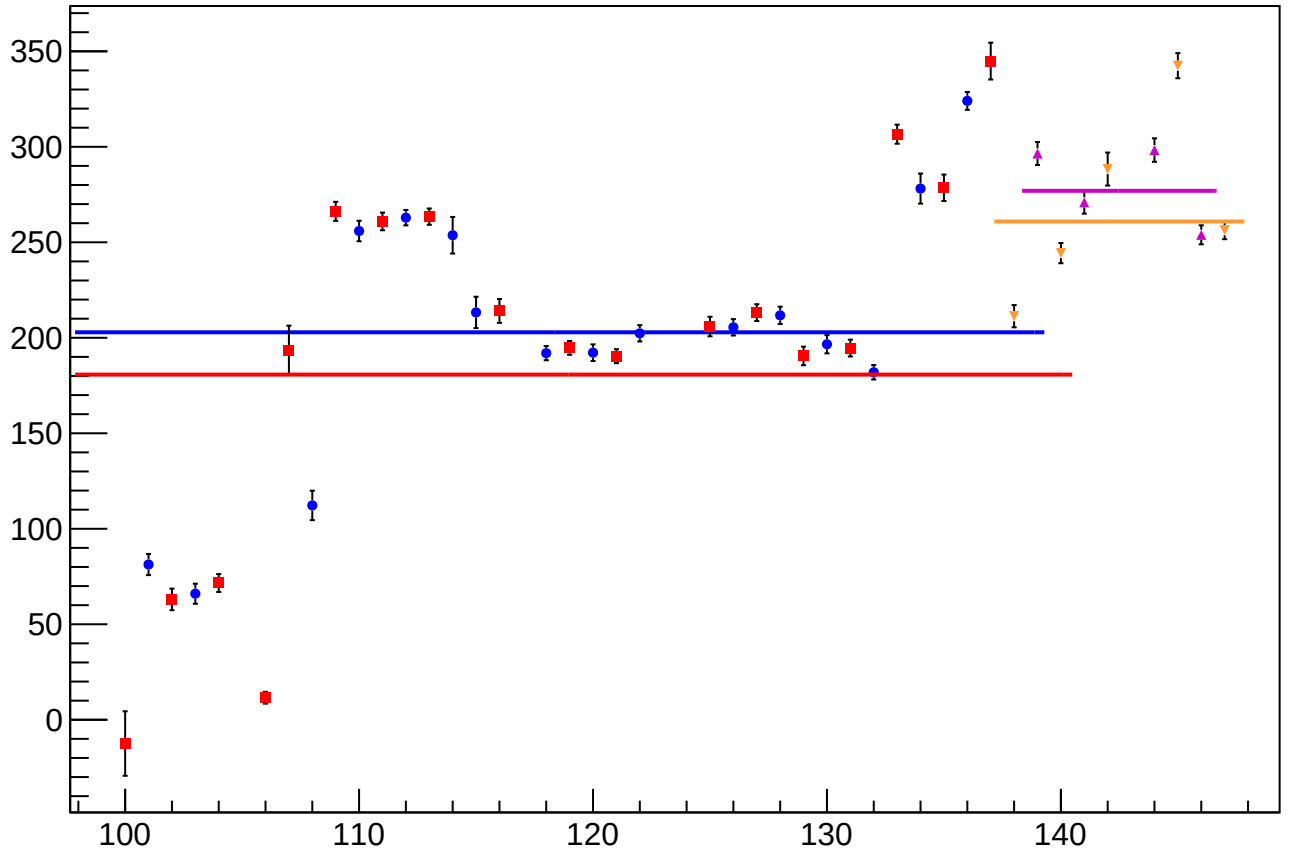
Left: 21.662+/-1.319 χ^2/NDF: 108.1/8

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 12.244+/-0.947 χ^2/NDF:177.3/19

Out: 13.870+/-0.892 χ^2/NDF:196.8/22

All: 13.106+/-0.649 χ^2/NDF: 375.6/42



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 260.885+/-2.611 χ^2/NDF:247.3/4

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 276.958+/-2.854 χ^2/NDF:45.0/3

Left: 268.210+/-1.927 χ^2/NDF: 309.5/8

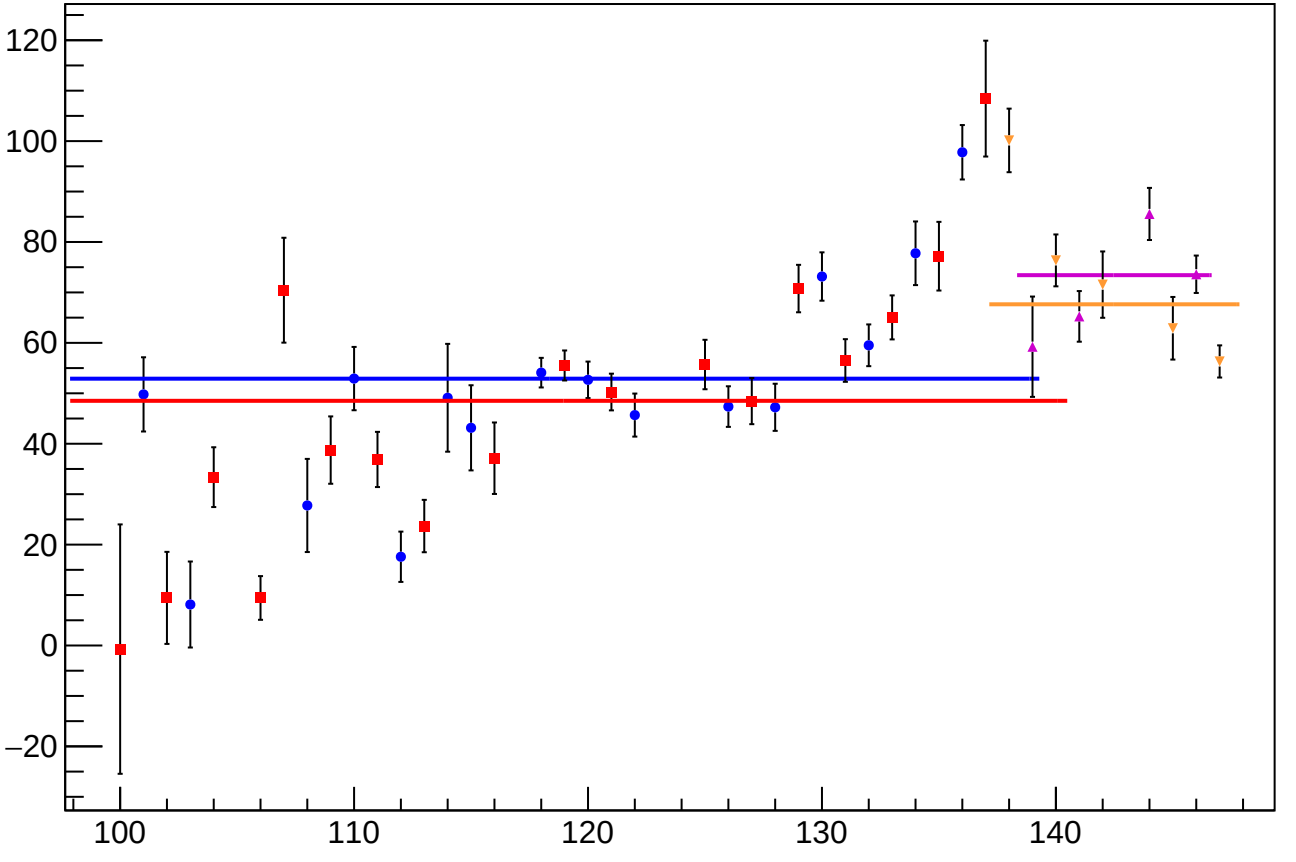
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 214.409+/-1.126 χ^2/NDF:3078.1/19

Out: 193.629+/-1.048 χ^2/NDF:7385.7/22

All: 203.269+/-0.767 χ^2/NDF: 10646.3/42

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 67.646+/-2.180 χ^2/NDF:43.0/4

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 73.422+/-2.500 χ^2/NDF:10.2/3

Left: 70.141+/-1.643 χ^2/NDF: 56.2/8

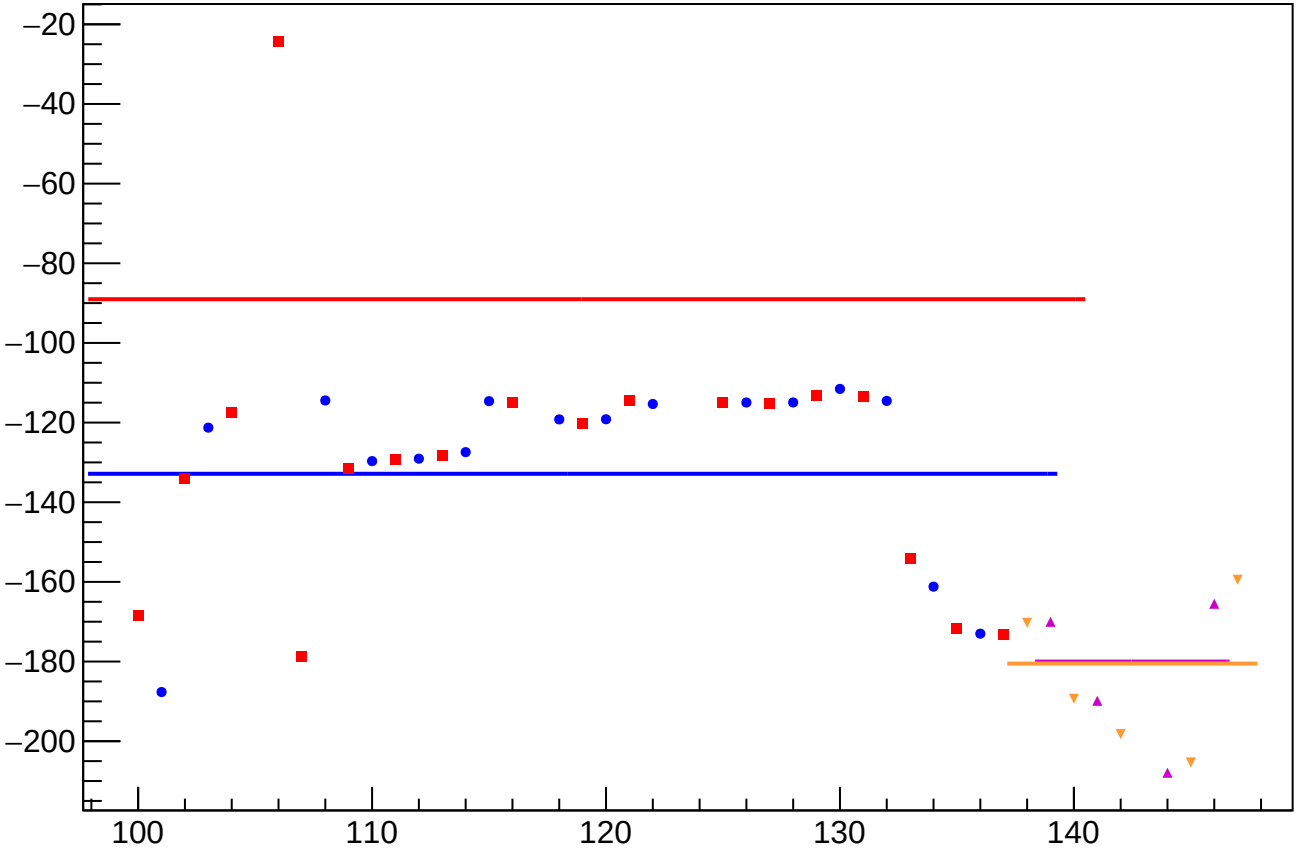
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 56.958+/-1.112 χ^2/NDF:262.6/19

Out: 53.041+/-1.061 χ^2/NDF:341.8/22

All: 54.908+/-0.768 χ^2/NDF: 610.9/42

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: -180.507+/-0.111 χ^2/NDF:24957.6/4

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -180.004+/-0.117 χ^2/NDF:18638.3/3

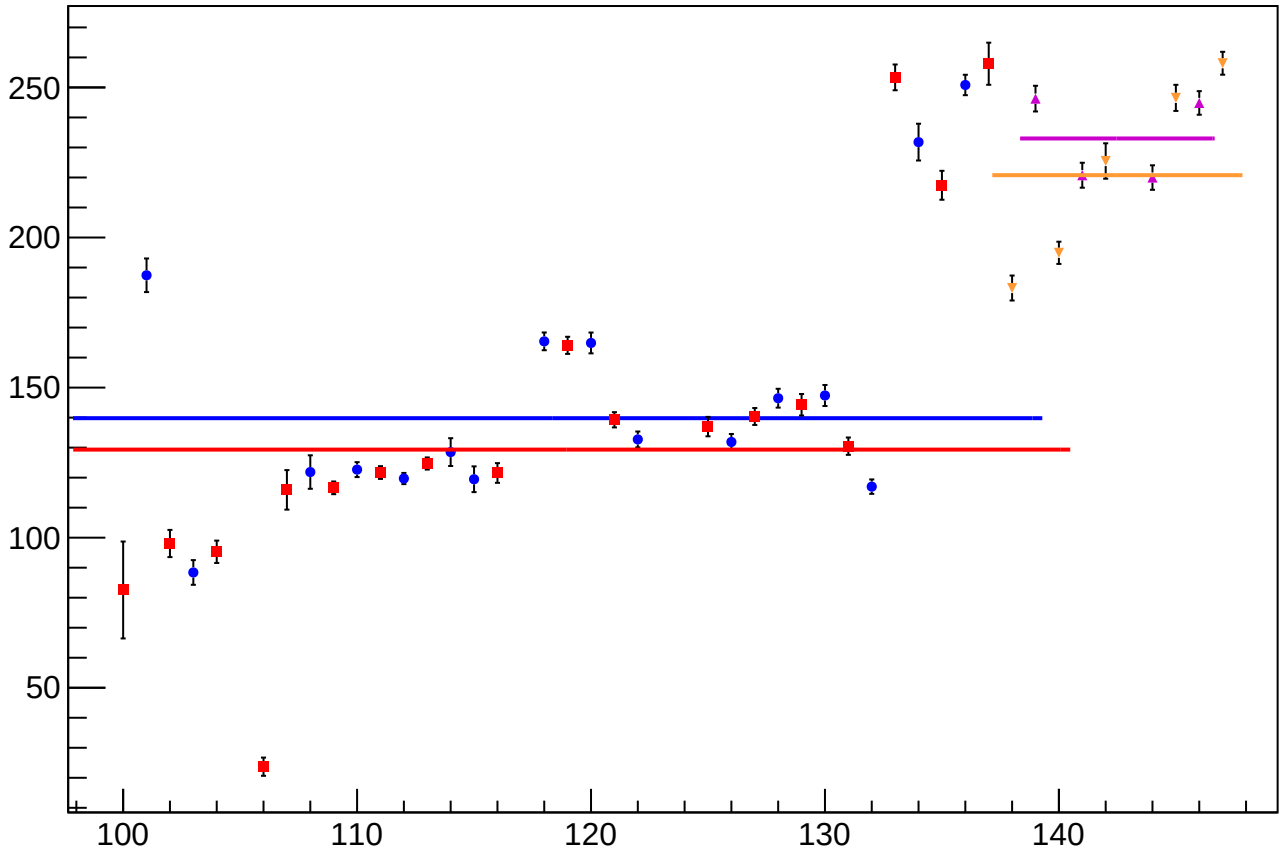
Left: -180.269+/-0.080 χ^2/NDF: 43605.7/8

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -148.300+/-0.067 χ^2/NDF:222155.5/19

Out: -112.026+/-0.056 χ^2/NDF:1264224.6/22

All: -126.868+/-0.043 χ^2/NDF: 1661062.3/42



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 220.772+/-1.886 χ^2/NDF:261.8/4

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 233.000+/-2.053 χ^2/NDF:37.5/3

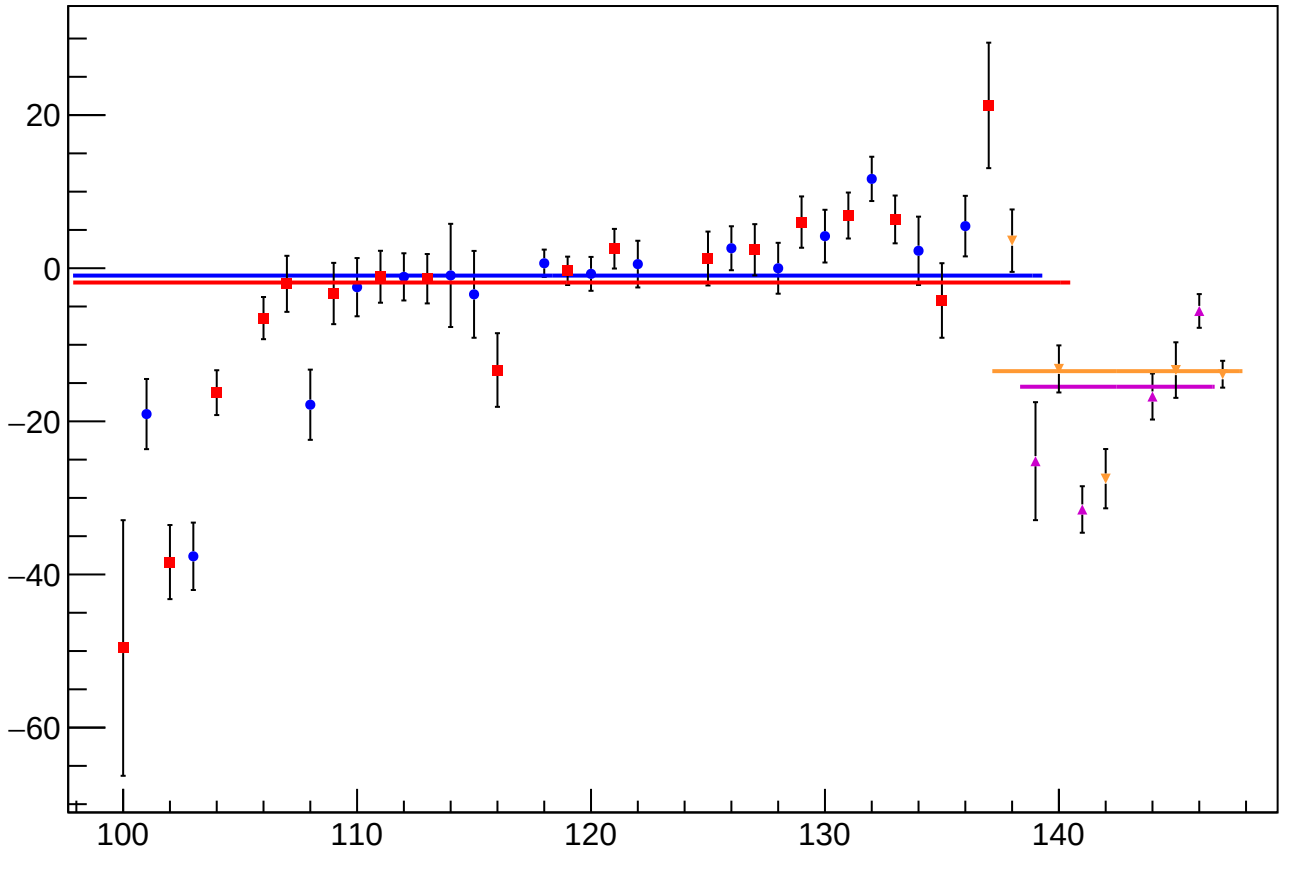
Left: 226.367+/-1.389 χ^2/NDF: 318.5/8

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 151.683+/-0.733 χ^2/NDF:3799.9/19

Out: 141.378+/-0.684 χ^2/NDF:5426.1/22

All: 146.177+/-0.500 χ^2/NDF: 9331.6/42



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -13.445+/-1.256 χ^2/NDF:30.7/4

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -15.479+/-1.504 χ^2/NDF:49.8/3

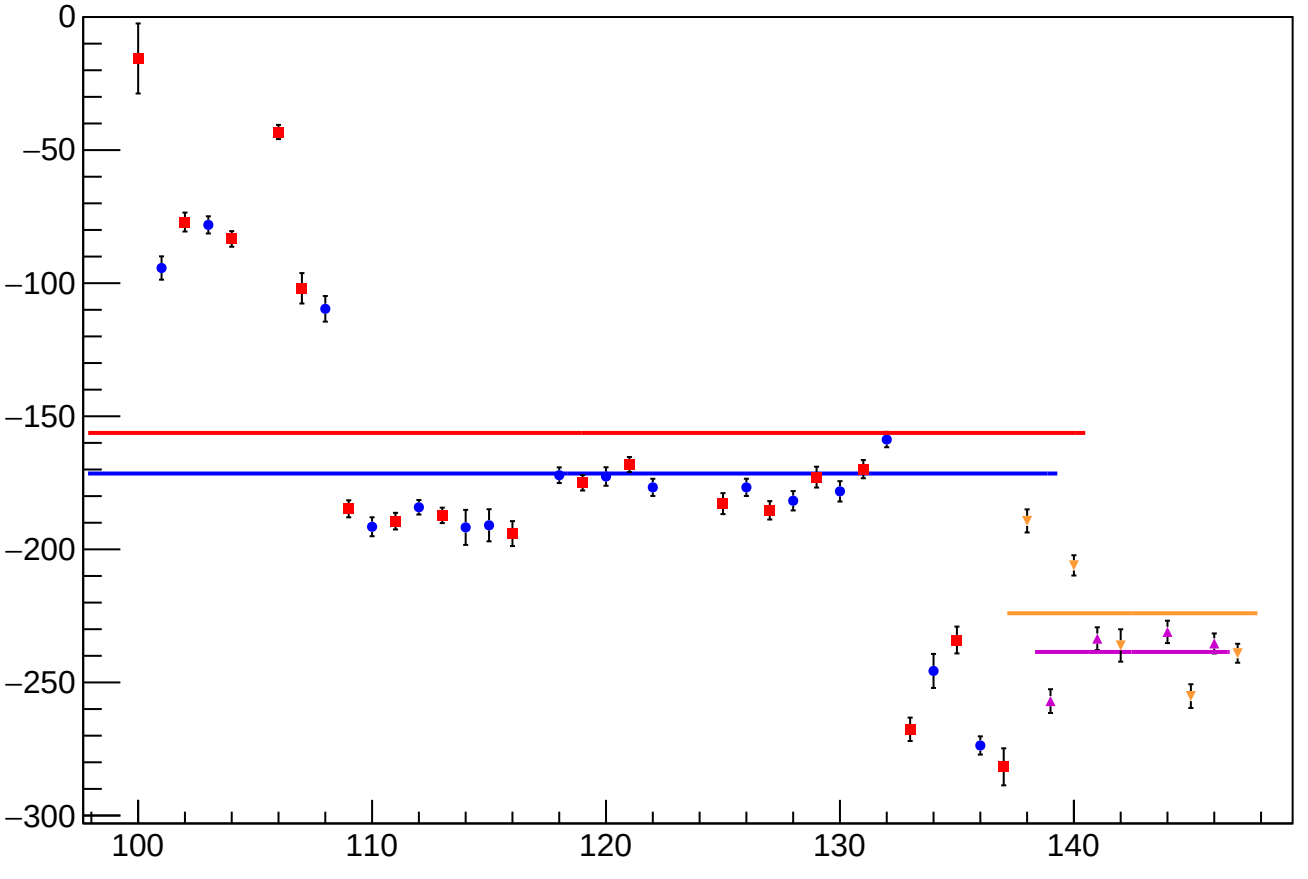
Left: -14.280+/-0.964 χ^2/NDF: 81.6/8

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -4.215+/-0.712 χ^2/NDF:248.2/19

Out: -5.113+/-0.665 χ^2/NDF:225.0/22

All: -4.695+/-0.486 χ^2/NDF: 474.1/42



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.008+/-1.895 χ^2/NDF:156.8/4

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -238.545+/-2.074 χ^2/NDF:22.4/3

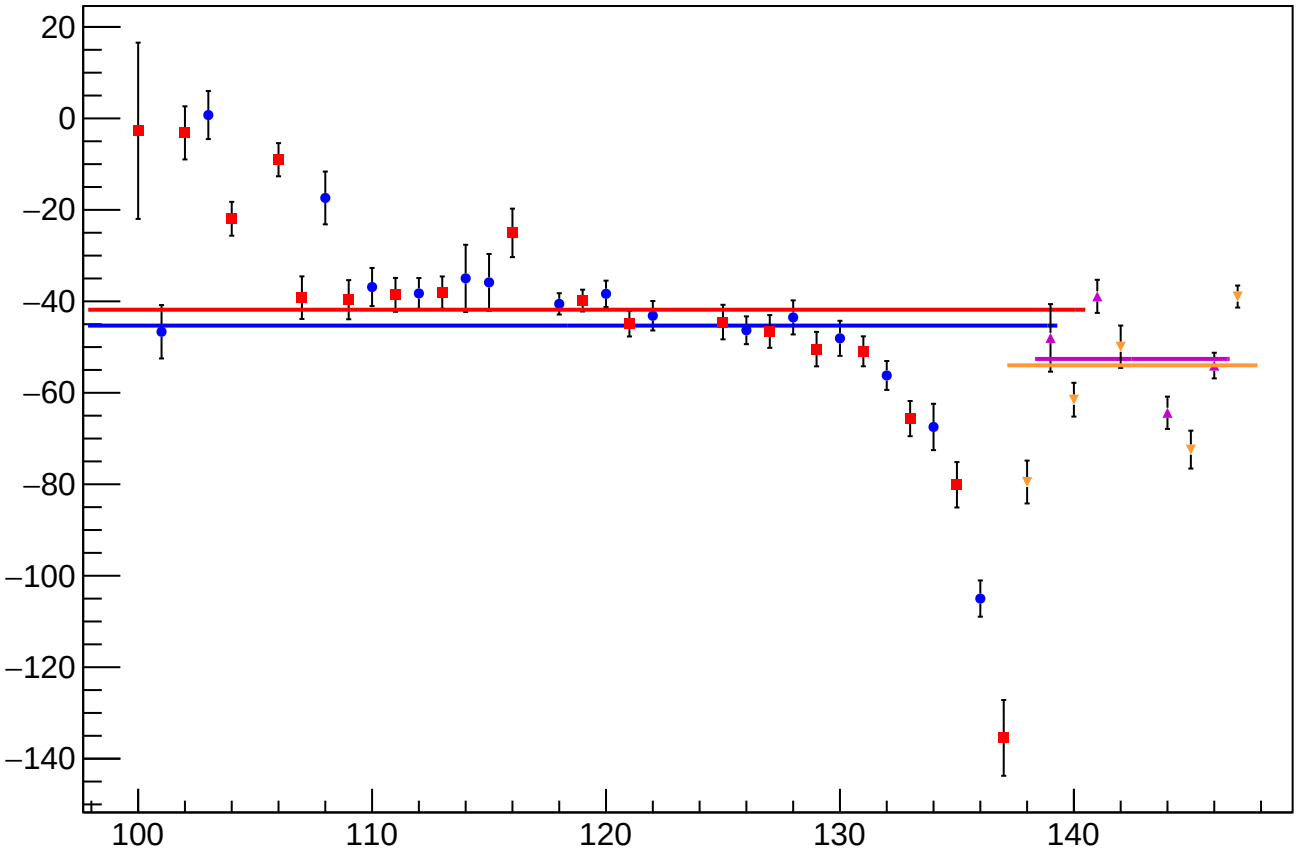
Left: -230.622+/-1.399 χ^2/NDF: 206.0/8

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -182.267+/-0.831 χ^2/NDF:3342.5/19

Out: -167.552+/-0.774 χ^2/NDF:6126.6/22

All: -174.384+/-0.566 χ^2/NDF: 9637.2/42



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -53.987+/-1.587 χ^2/NDF:93.5/4

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -52.588+/-1.819 χ^2/NDF:26.1/3

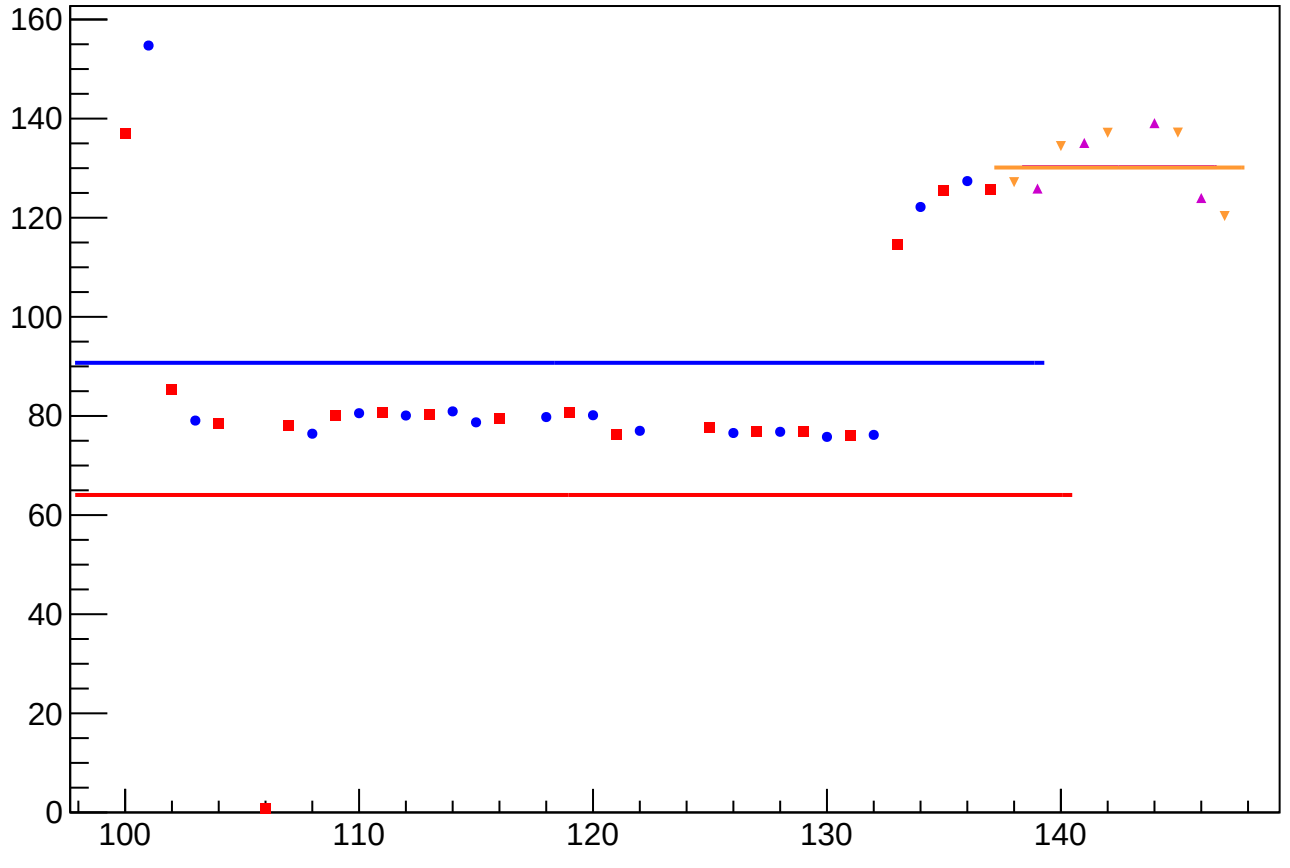
Left: -53.382+/-1.196 χ^2/NDF: 120.0/8

Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -46.834+/-0.833 χ^2/NDF:420.8/19

Out: -44.835+/-0.789 χ^2/NDF:551.9/22

All: -45.780+/-0.573 χ^2/NDF: 975.8/42



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 130.129+/-0.080 χ^2/NDF:7145.0/4

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 130.228+/-0.085 χ^2/NDF:5226.8/3

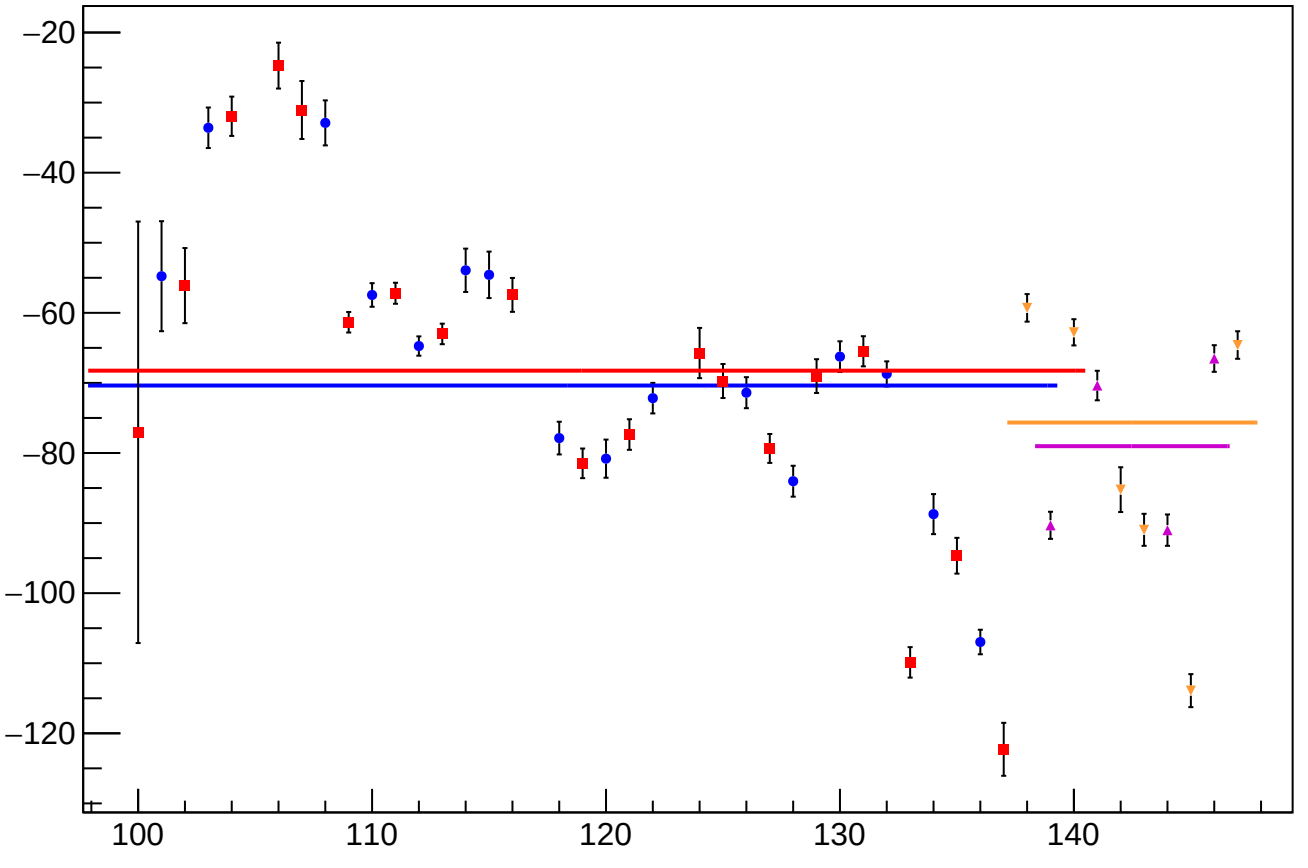
Left: 130.176+/-0.058 χ^2/NDF: 12372.5/8

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 103.428+/-0.048 χ^2/NDF:313082.9/19

Out: 82.177+/-0.042 χ^2/NDF:1160689.1/22

All: 91.354+/-0.032 χ^2/NDF: 1584342.6/42



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -75.654+/-0.886 χ^2/NDF:465.8/5

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -79.028+/-1.016 χ^2/NDF:122.8/3

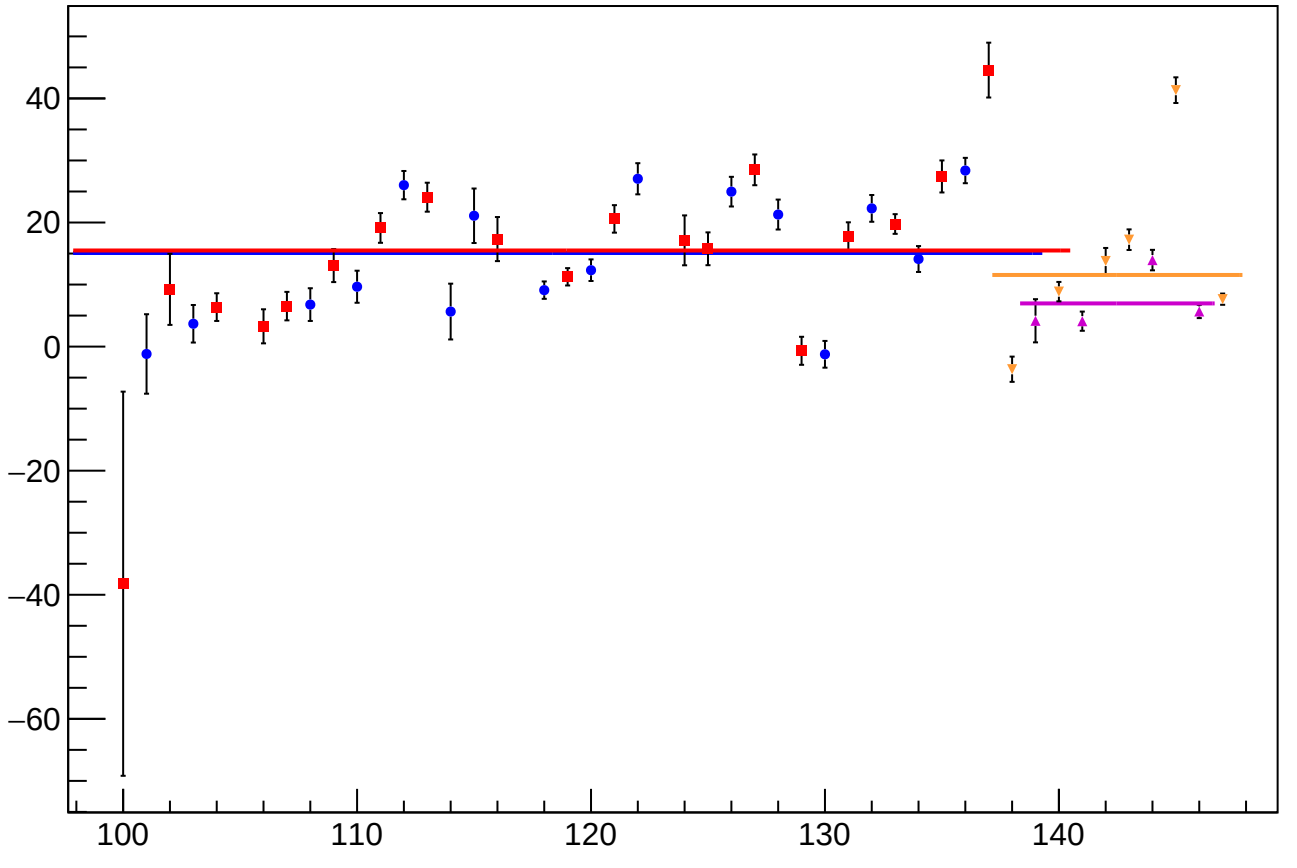
Left: -77.112+/-0.668 χ^2/NDF: 594.9/9

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -72.378+/-0.489 χ^2/NDF:1153.5/19

Out: -70.183+/-0.453 χ^2/NDF:1823.3/24

All: -71.196+/-0.332 χ^2/NDF: 2987.7/44



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 11.547+/-0.609 χ^2/NDF:297.5/5

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.960+/-0.758 χ^2/NDF:23.4/3

Left: 9.745+/-0.475 χ^2/NDF: 343.2/9

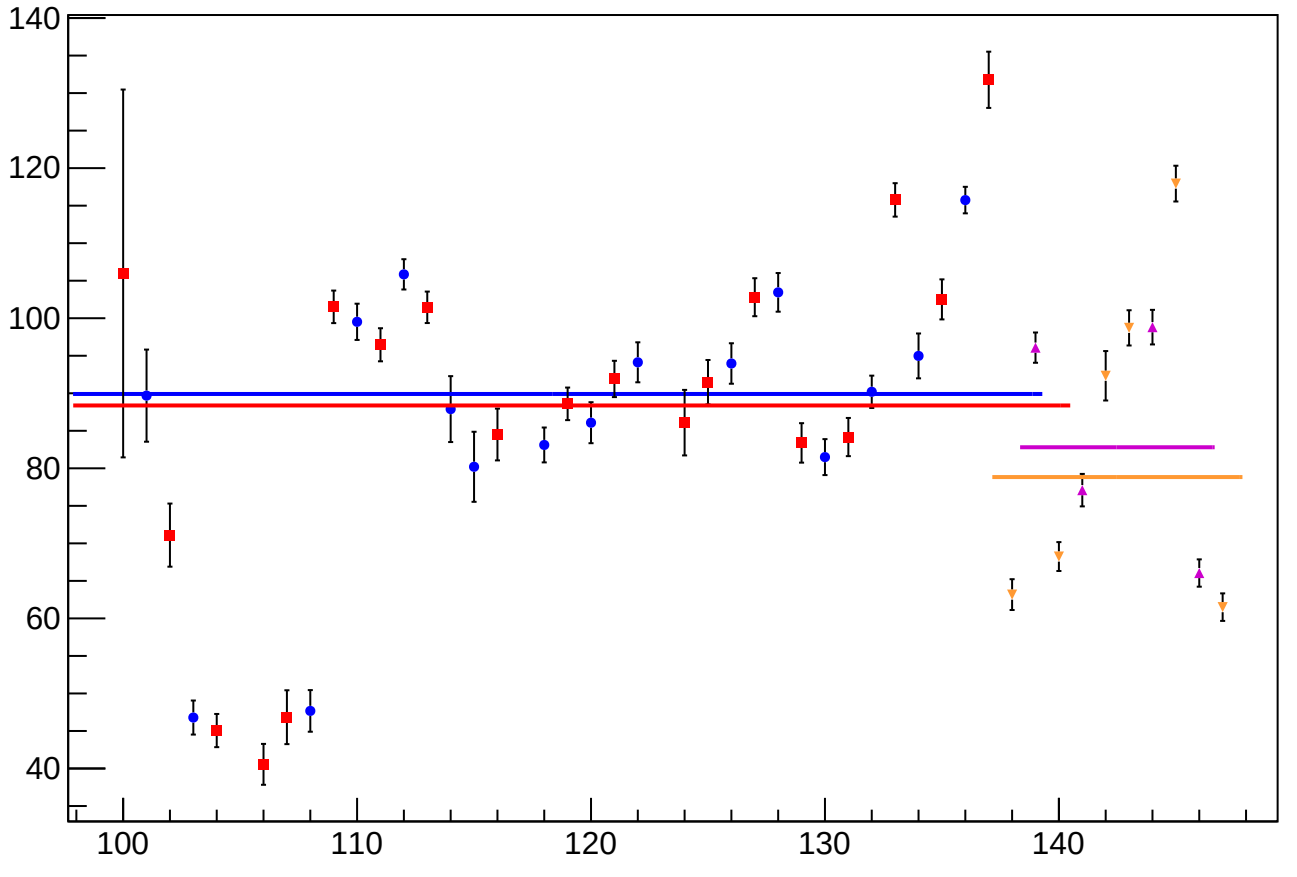
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 12.081+/-0.461 χ^2/NDF:338.4/19

Out: 13.692+/-0.412 χ^2/NDF:559.5/24

All: 12.977+/-0.307 χ^2/NDF: 904.8/44

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: 78.835+/-0.893 χ^2/NDF:535.4/5

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 82.806+/-1.026 χ^2/NDF:183.3/3

Left: 80.546+/-0.674 χ^2/NDF: 727.2/9

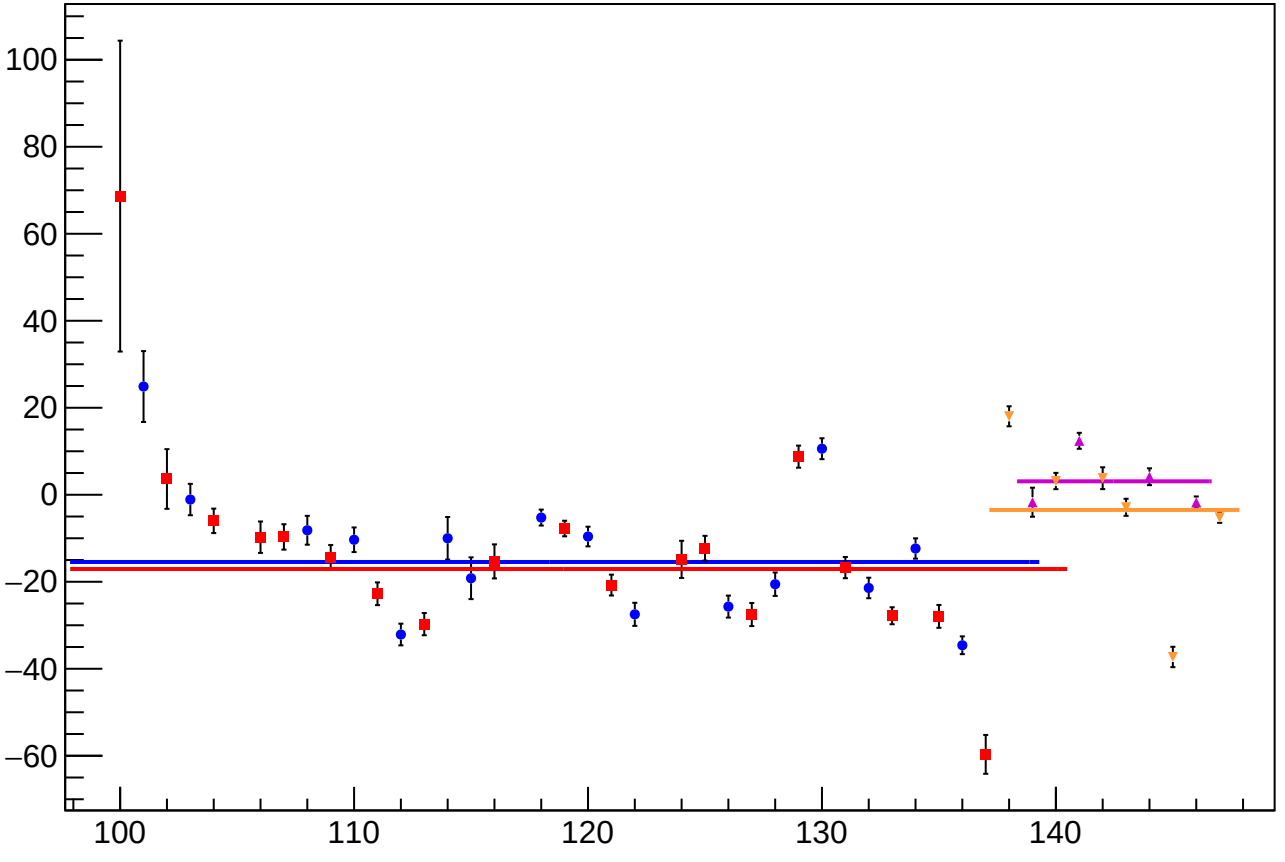
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 87.915+/-0.543 χ^2/NDF:1165.4/19

Out: 85.289+/-0.508 χ^2/NDF:1901.5/24

All: 86.513+/-0.371 χ^2/NDF: 3079.4/44

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.490+/-0.761 χ^2/NDF:319.0/5

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 3.088+/-0.916 χ^2/NDF:40.7/3

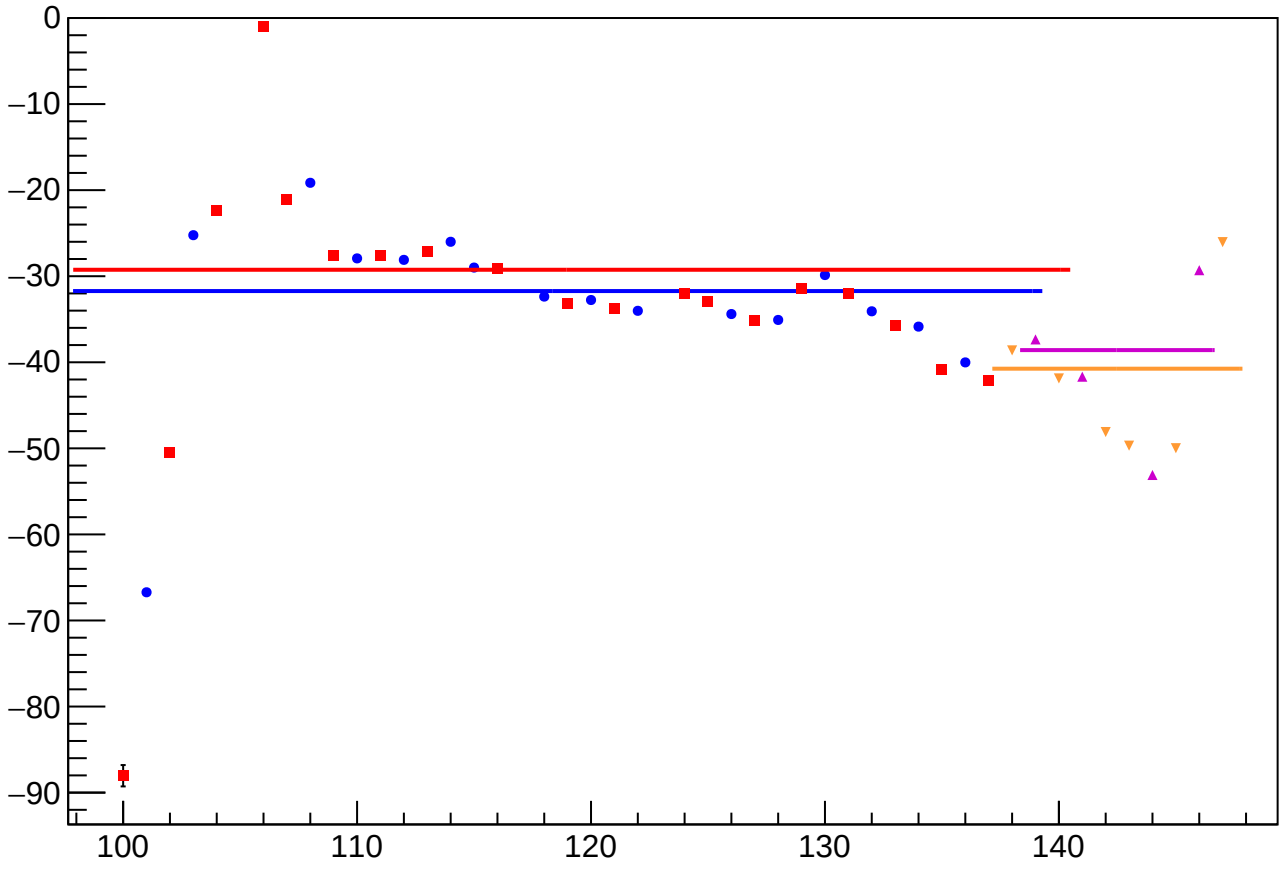
Left: -0.800+/-0.585 χ^2/NDF: 390.2/9

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -9.044+/-0.538 χ^2/NDF:695.6/19

Out: -11.407+/-0.492 χ^2/NDF:865.4/24

All: -10.333+/-0.363 χ^2/NDF: 1571.5/44



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -40.745+/-0.037 χ^2/NDF:54516.1/5

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -38.585+/-0.042 χ^2/NDF:35323.5/3

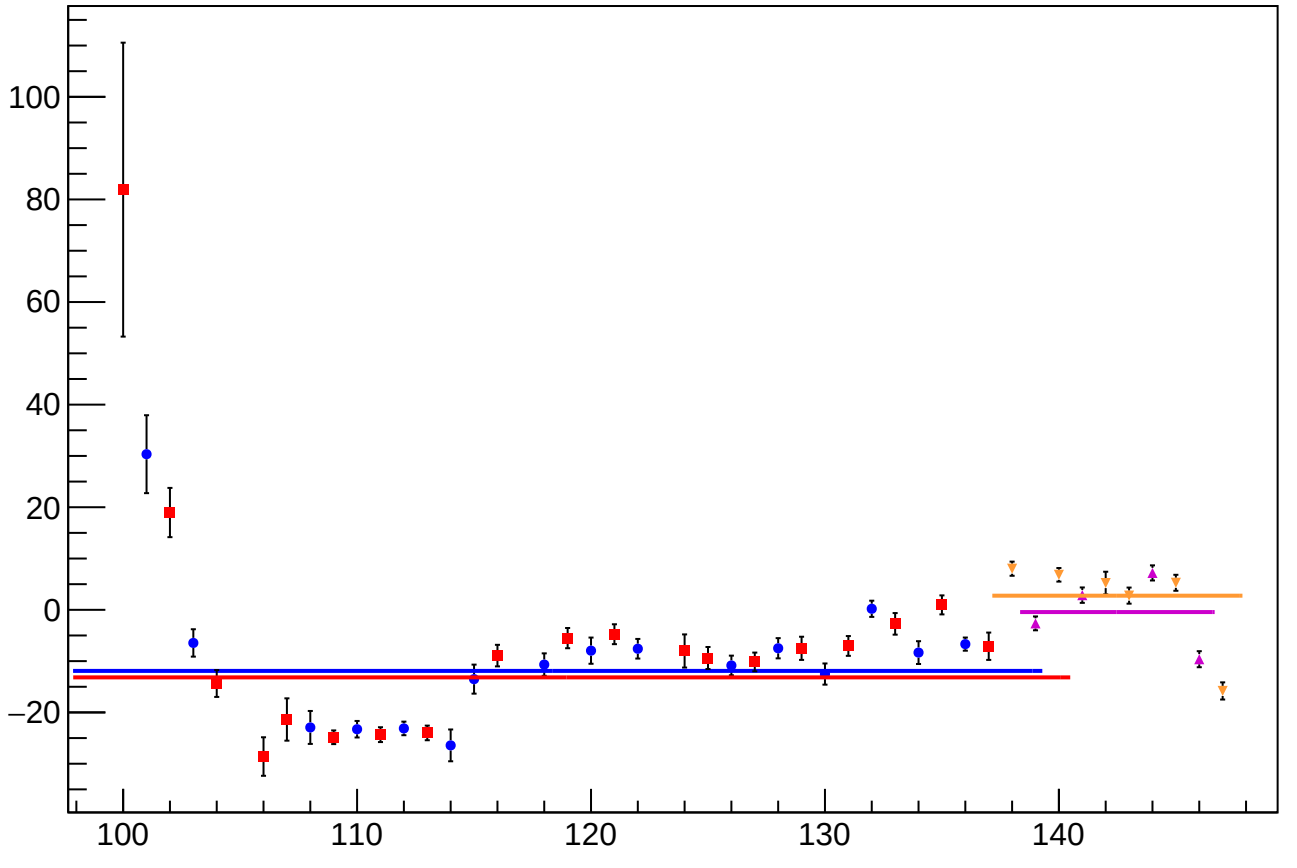
Left: -39.776+/-0.028 χ^2/NDF: 91328.2/9

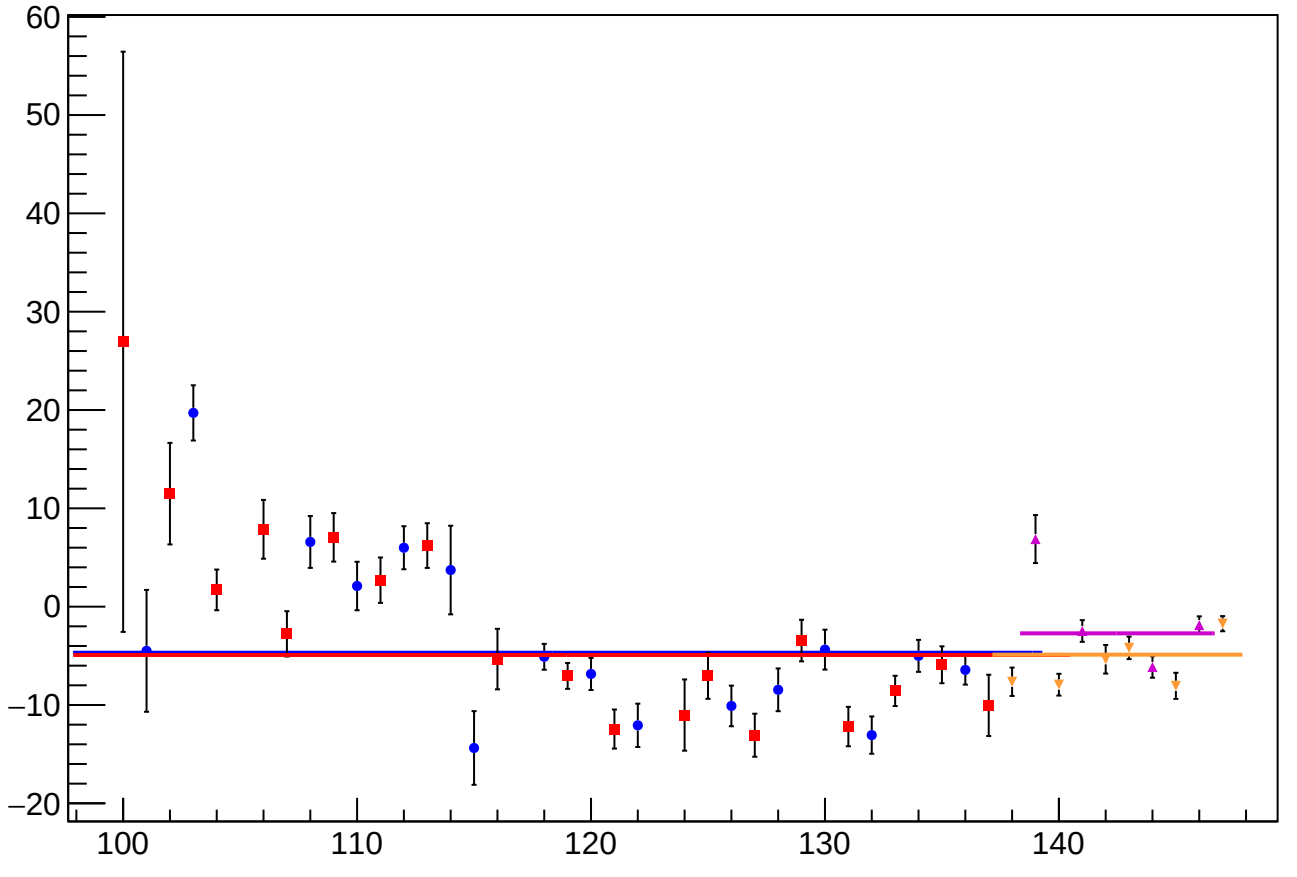
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -34.894+/-0.028 χ^2/NDF:89615.6/19

Out: -35.141+/-0.027 χ^2/NDF:195616.0/24

All: -35.024+/-0.019 χ^2/NDF: 285271.9/44


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: 2.757+/-0.635 χ²/NDF:151.0/5
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -0.436+/-0.733 χ²/NDF:68.8/3
Left: 1.387+/-0.480 χ²/NDF: 230.7/9
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -8.298+/-0.411 χ²/NDF:518.7/19
Out: -7.381+/-0.383 χ²/NDF:972.4/24
All: -7.807+/-0.280 χ²/NDF: 1493.7/44



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.881+/-0.457 χ^2/NDF:34.2/5

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.713+/-0.568 χ^2/NDF:26.2/3

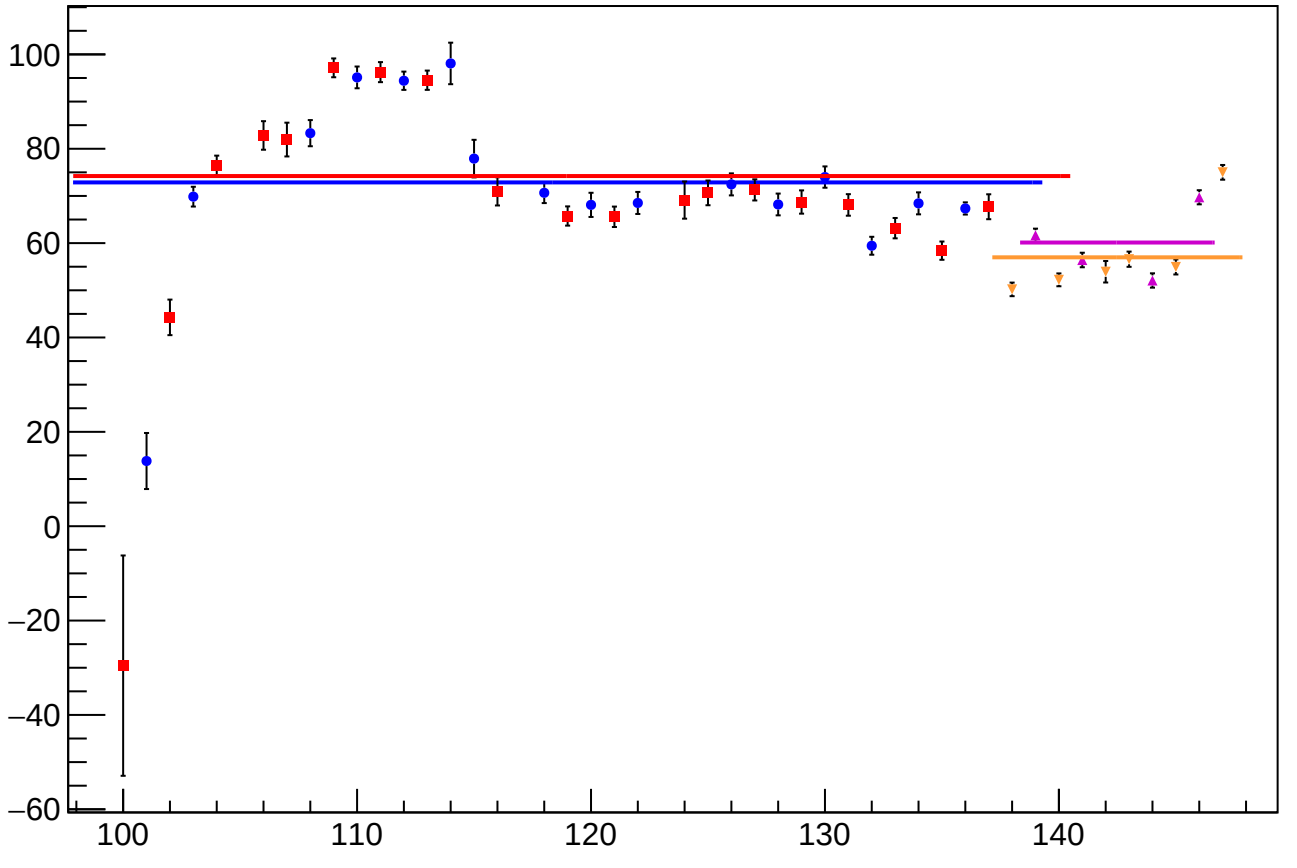
Left: -4.029+/-0.356 χ^2/NDF: 69.2/9

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.792+/-0.382 χ^2/NDF:211.8/19

Out: -4.895+/-0.341 χ^2/NDF:190.0/24

All: -4.406+/-0.255 χ^2/NDF: 406.5/44



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 56.989+/-0.645 χ^2/NDF:171.3/5

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 60.125+/-0.744 χ^2/NDF:76.0/3

Left: 58.334+/-0.487 χ^2/NDF: 257.5/9

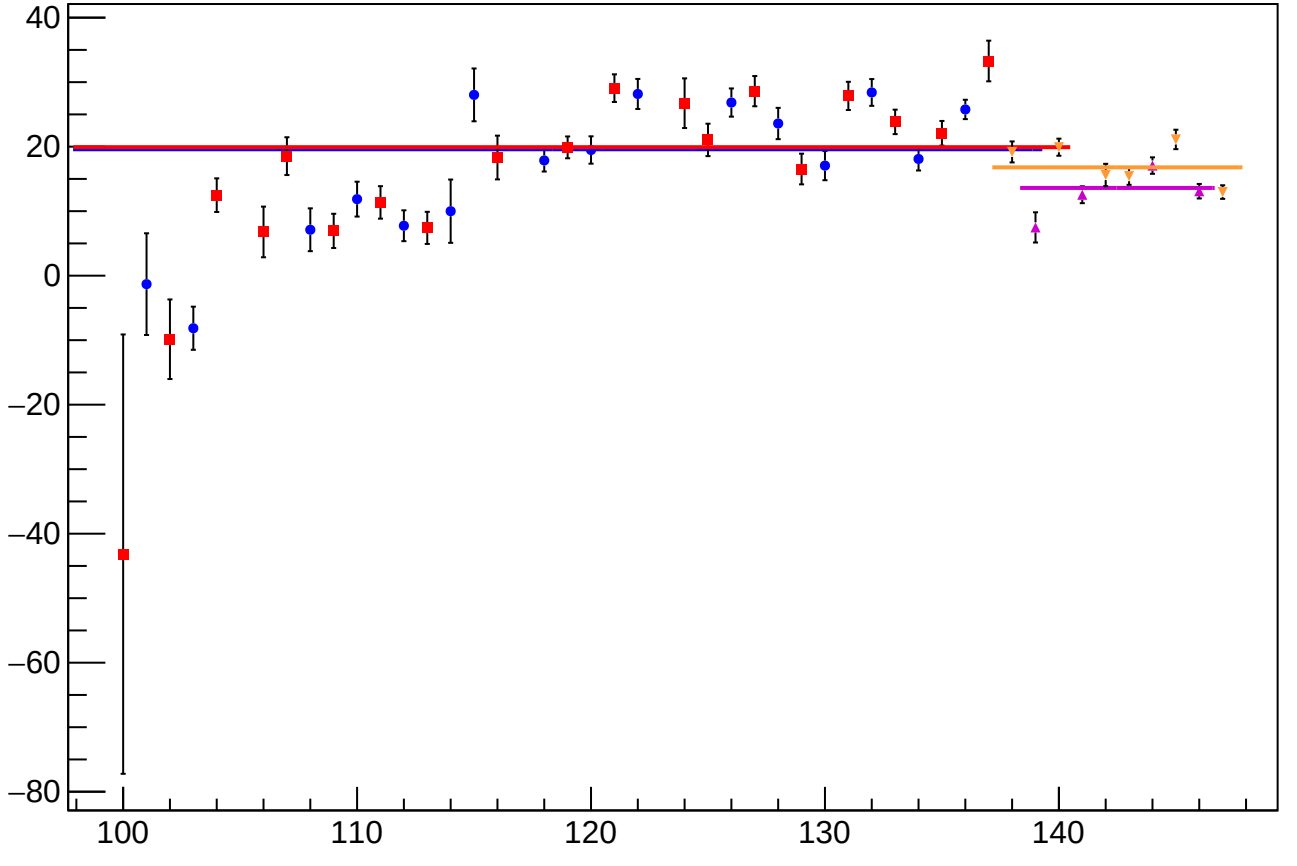
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 68.205+/-0.450 χ^2/NDF:712.5/19

Out: 66.777+/-0.424 χ^2/NDF:1163.0/24

All: 67.448+/-0.309 χ^2/NDF: 1880.9/44

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.793+/-0.562 χ^2/NDF:30.6/5

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 13.601+/-0.679 χ^2/NDF:15.0/3

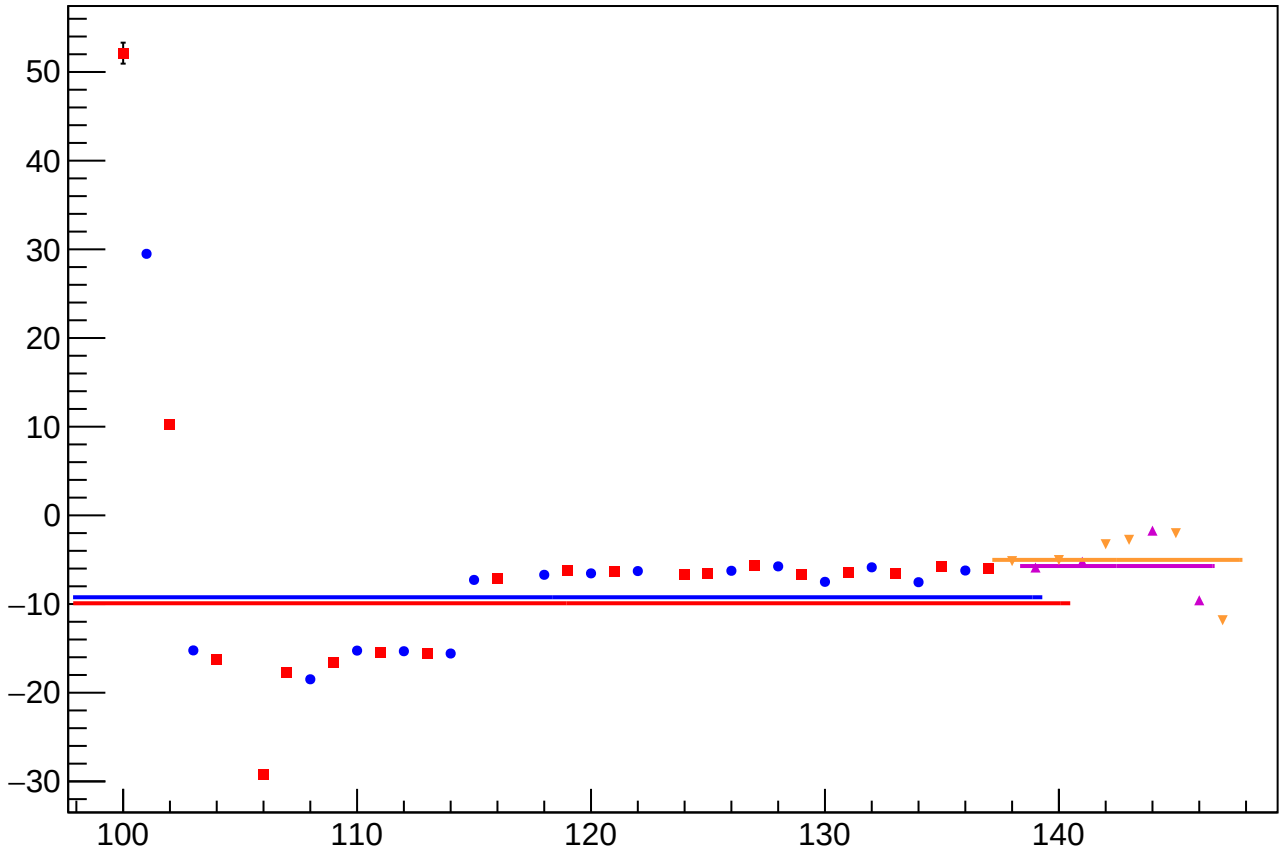
Left: 15.497+/-0.433 χ^2/NDF: 58.8/9

Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.043+/-0.443 χ^2/NDF:255.8/19

Out: 18.292+/-0.405 χ^2/NDF:226.8/24

All: 17.723+/-0.299 χ^2/NDF: 486.9/44



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -5.020+/-0.027 χ^2/NDF:13460.9/5

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -5.714+/-0.030 χ^2/NDF:7112.3/3

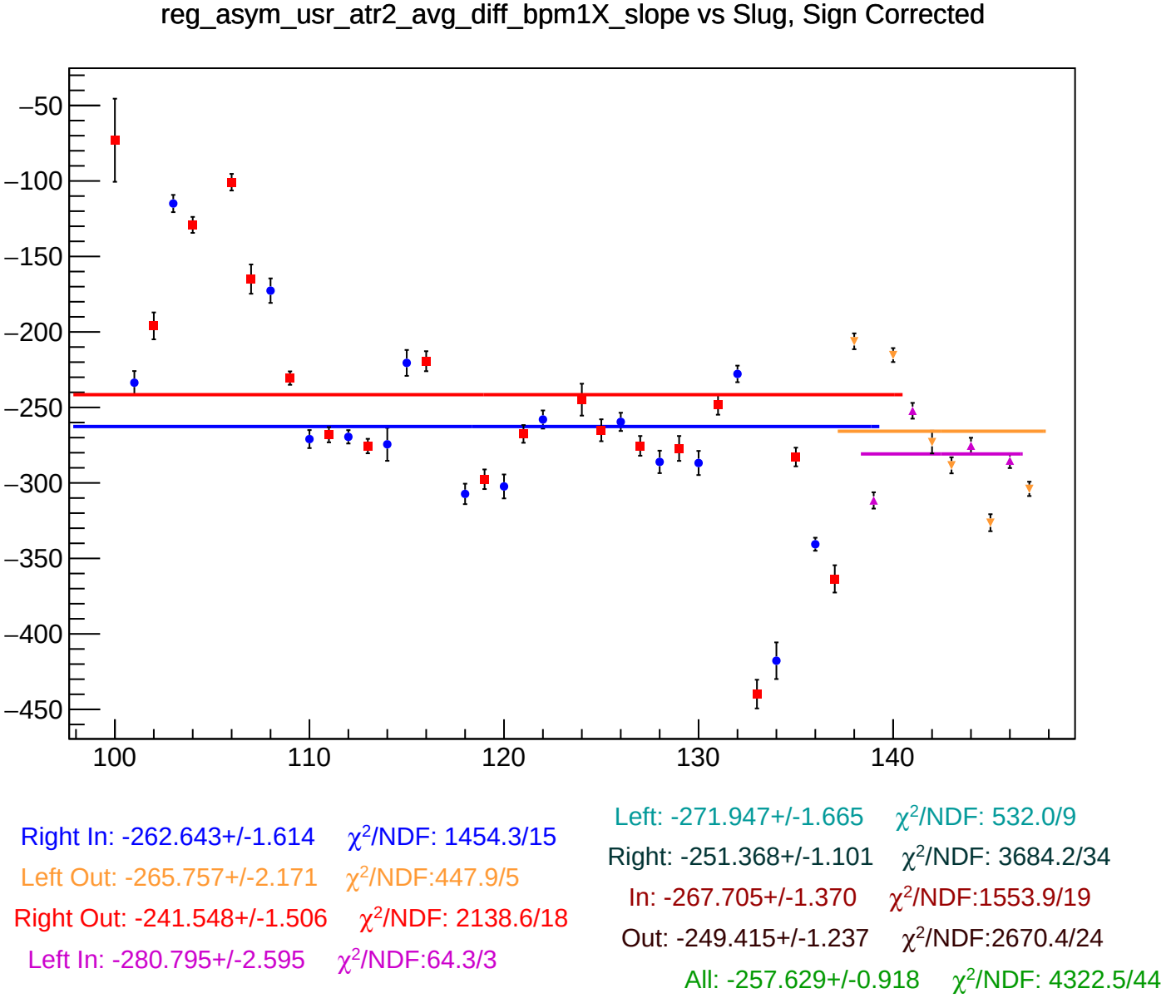
Left: -5.328+/-0.020 χ^2/NDF: 20869.6/9

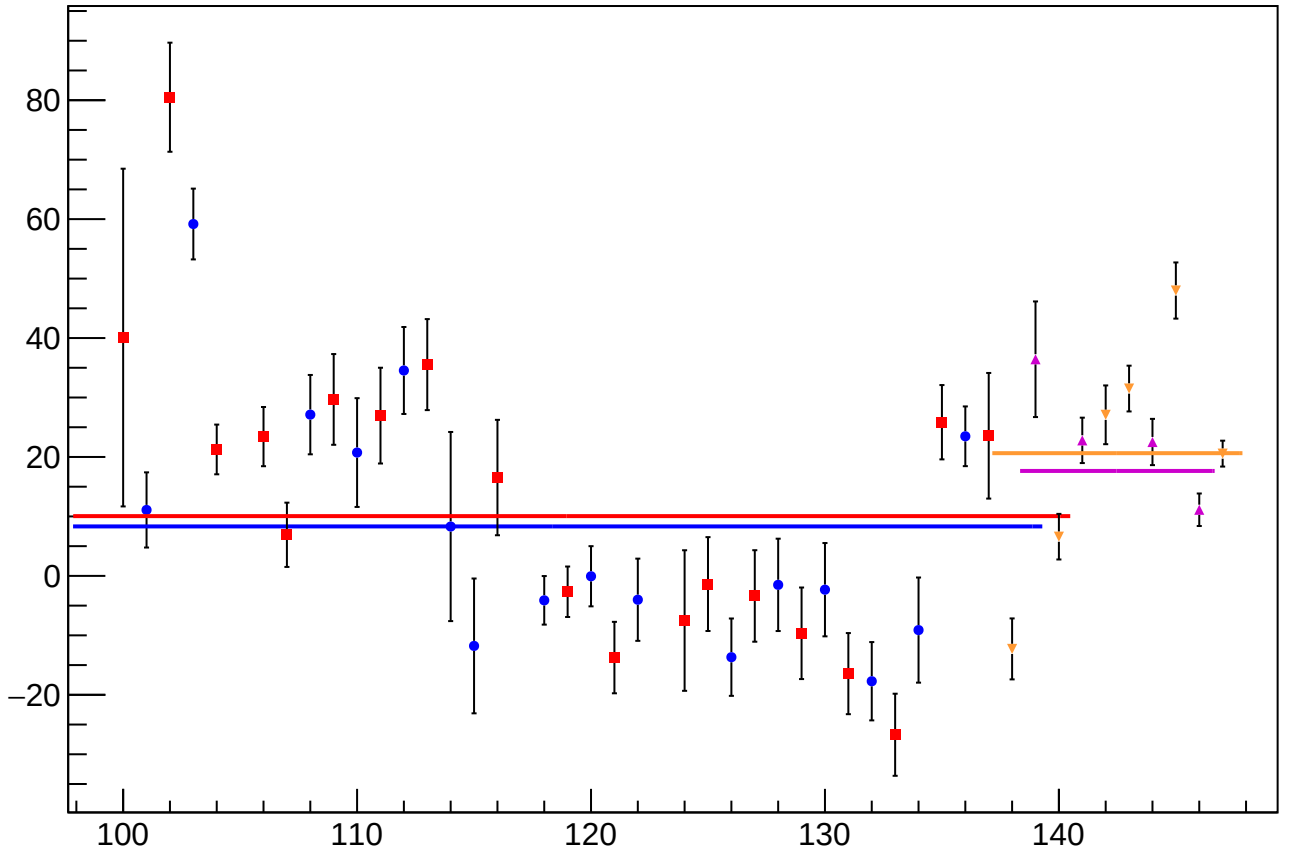
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -7.320+/-0.022 χ^2/NDF:44521.4/19

Out: -6.871+/-0.021 χ^2/NDF:79879.2/24

All: -7.085+/-0.015 χ^2/NDF: 124615.4/44


reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
Right In: -262.643+/-1.614 χ²/NDF: 1454.3/15
Left Out: -265.757+/-2.171 χ²/NDF:447.9/5
Right Out: -241.548+/-1.506 χ²/NDF: 2138.6/18
Left In: -280.795+/-2.595 χ²/NDF:64.3/3
Left: -271.947+/-1.665 χ²/NDF: 532.0/9
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -267.705+/-1.370 χ²/NDF:1553.9/19
Out: -249.415+/-1.237 χ²/NDF:2670.4/24
All: -257.629+/-0.918 χ²/NDF: 4322.5/44



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 20.638+/-1.458 χ^2/NDF:97.8/5

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 17.650+/-1.893 χ^2/NDF:12.8/3

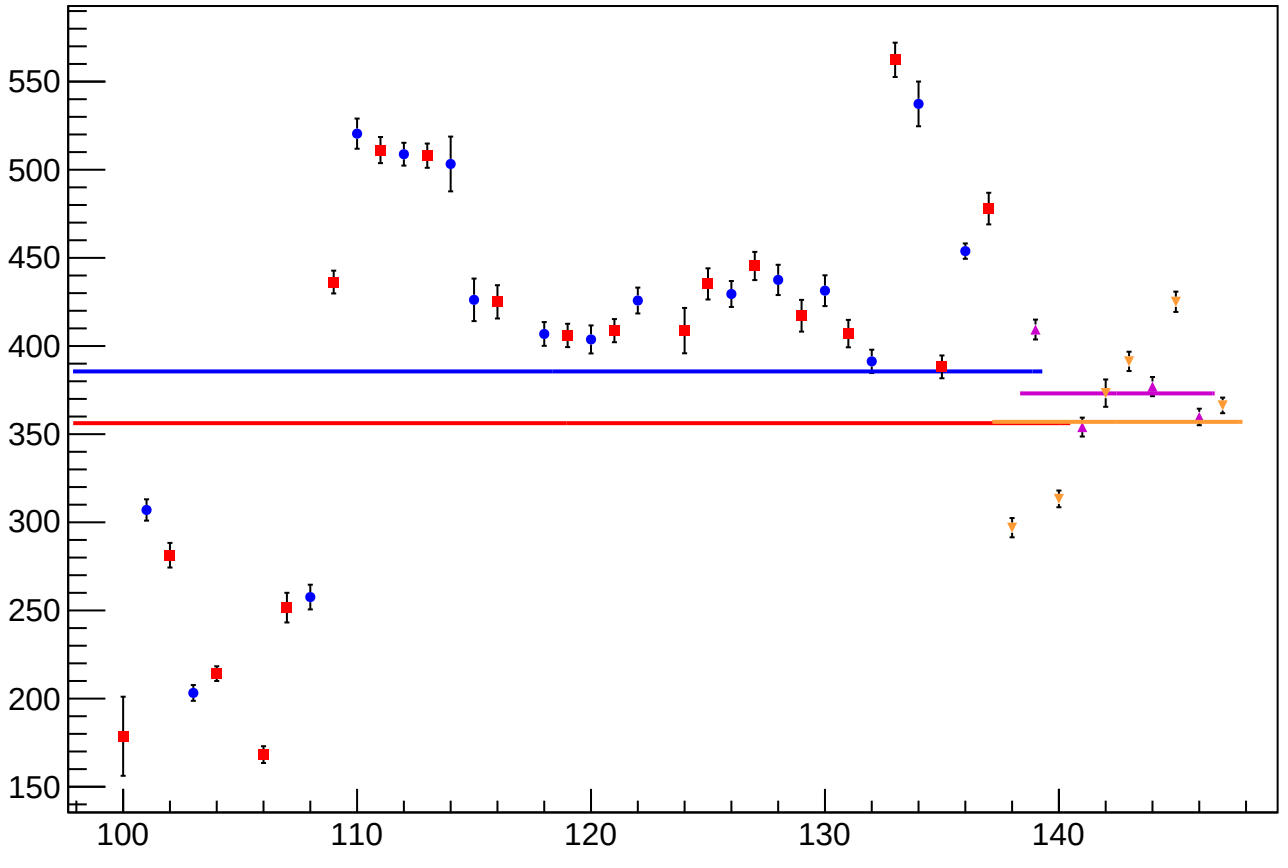
Left: 19.525+/-1.155 χ^2/NDF: 112.2/9

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 12.332+/-1.241 χ^2/NDF:184.3/19

Out: 15.628+/-1.059 χ^2/NDF:310.2/24

All: 14.240+/-0.805 χ^2/NDF: 498.6/44



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 356.987+/-2.187 χ^2/NDF:393.1/5

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 373.126+/-2.619 χ^2/NDF:62.7/3

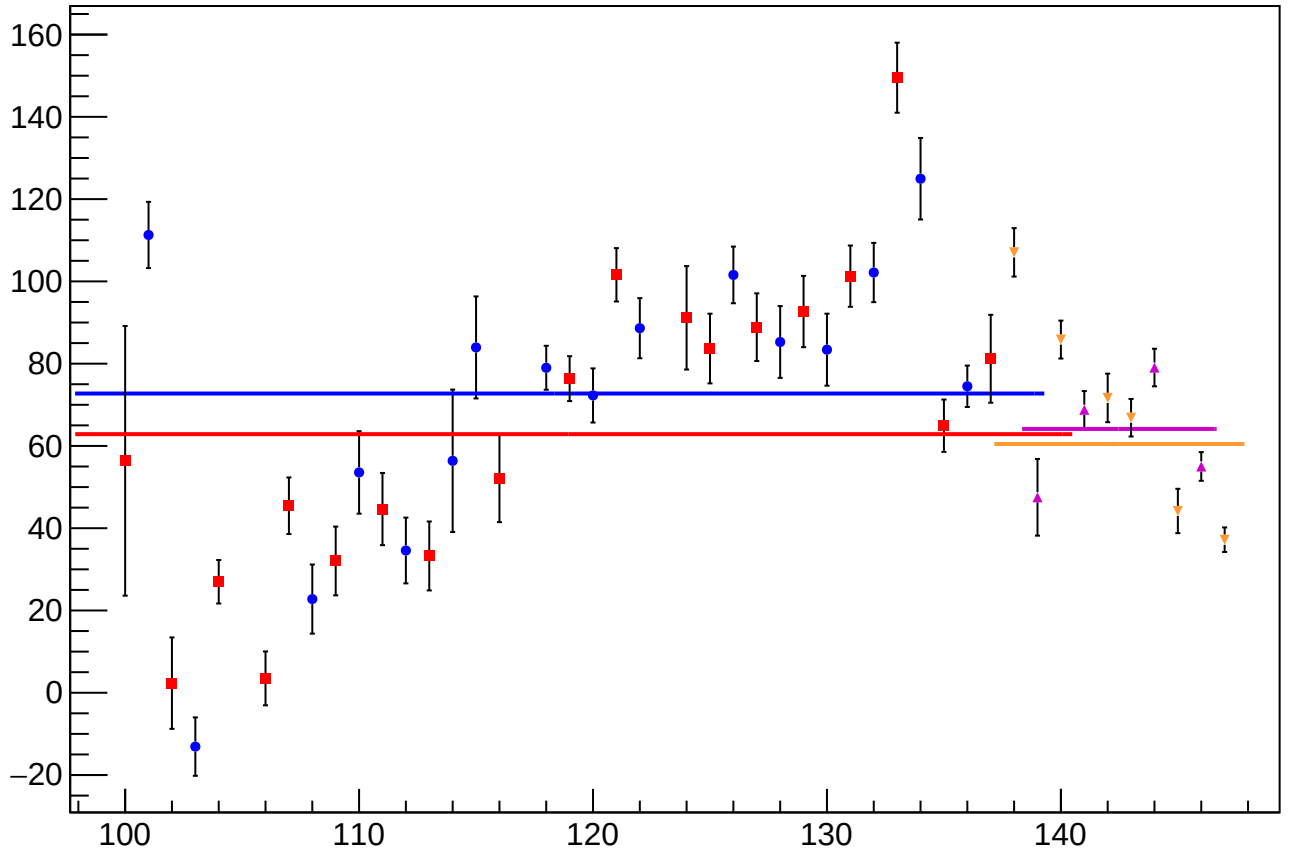
Left: 363.618+/-1.679 χ^2/NDF: 478.2/9

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 381.767+/-1.451 χ^2/NDF:3451.5/19

Out: 356.514+/-1.315 χ^2/NDF:5663.4/24

All: 367.909+/-0.974 χ^2/NDF: 9281.3/44



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 60.470+/-1.829 χ^2/NDF:168.1/5

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 64.129+/-2.292 χ^2/NDF:21.8/3

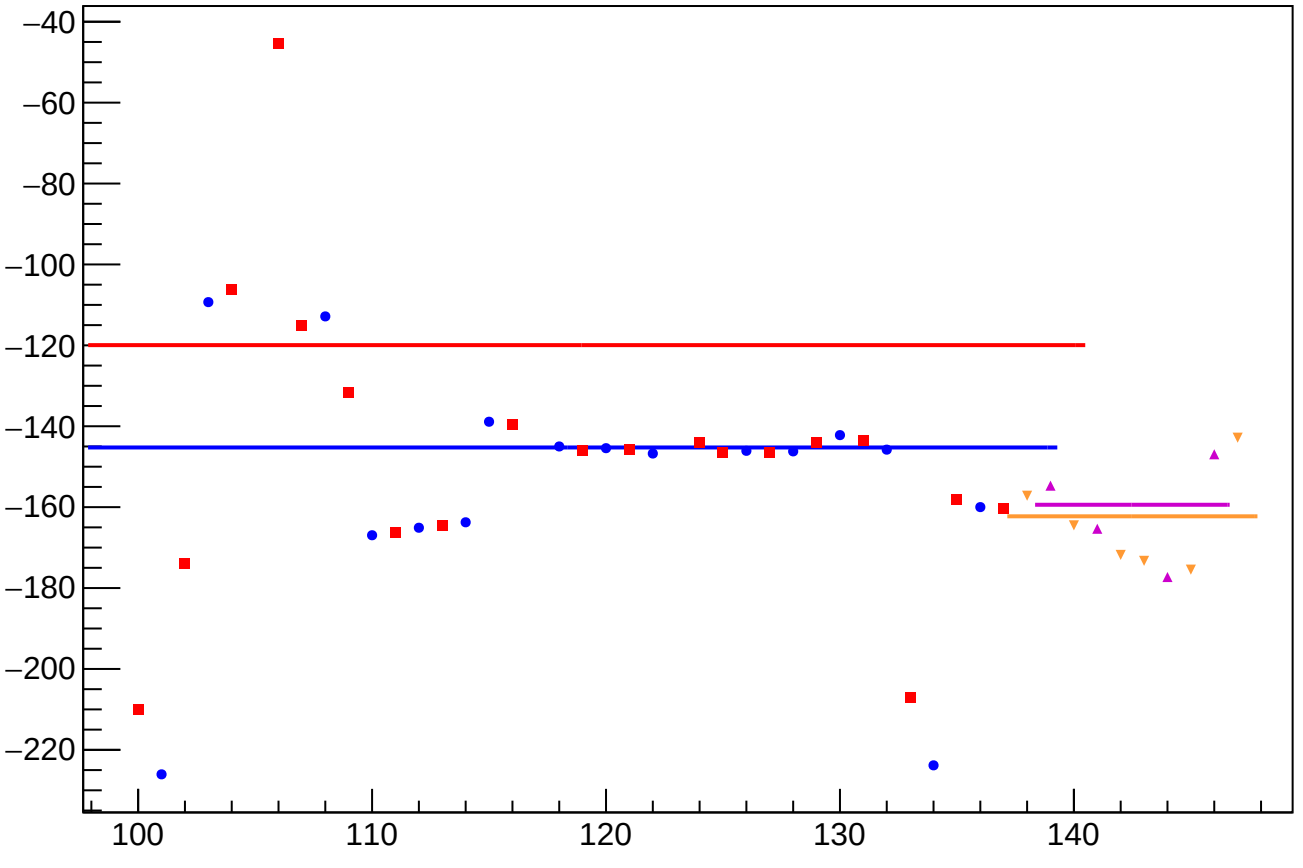
Left: 61.893+/-1.430 χ^2/NDF: 191.5/9

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 69.240+/-1.461 χ^2/NDF:334.5/19

Out: 61.689+/-1.281 χ^2/NDF:572.6/24

All: 64.970+/-0.963 χ^2/NDF: 922.2/44



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -162.266+/-0.092 χ^2/NDF:16973.8/5

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -159.410+/-0.107 χ^2/NDF:10507.8/3

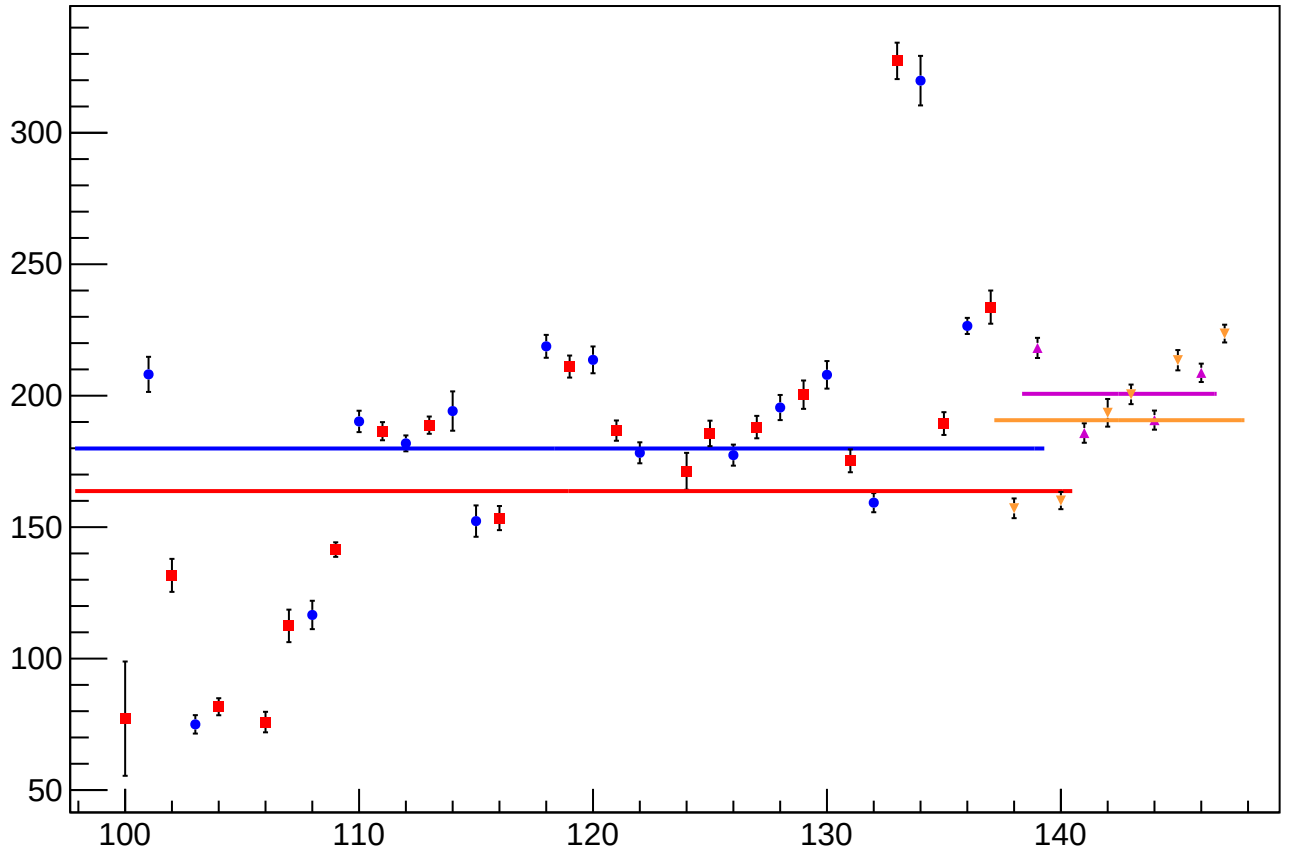
Left: -161.048+/-0.070 χ^2/NDF: 27888.4/9

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -151.716+/-0.072 χ^2/NDF:152042.0/19

Out: -140.291+/-0.064 χ^2/NDF:396090.9/24

All: -145.307+/-0.048 χ^2/NDF: 562074.8/44



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 190.677+/-1.530 χ^2/NDF:304.1/5

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 200.711+/-1.830 χ^2/NDF:49.8/3

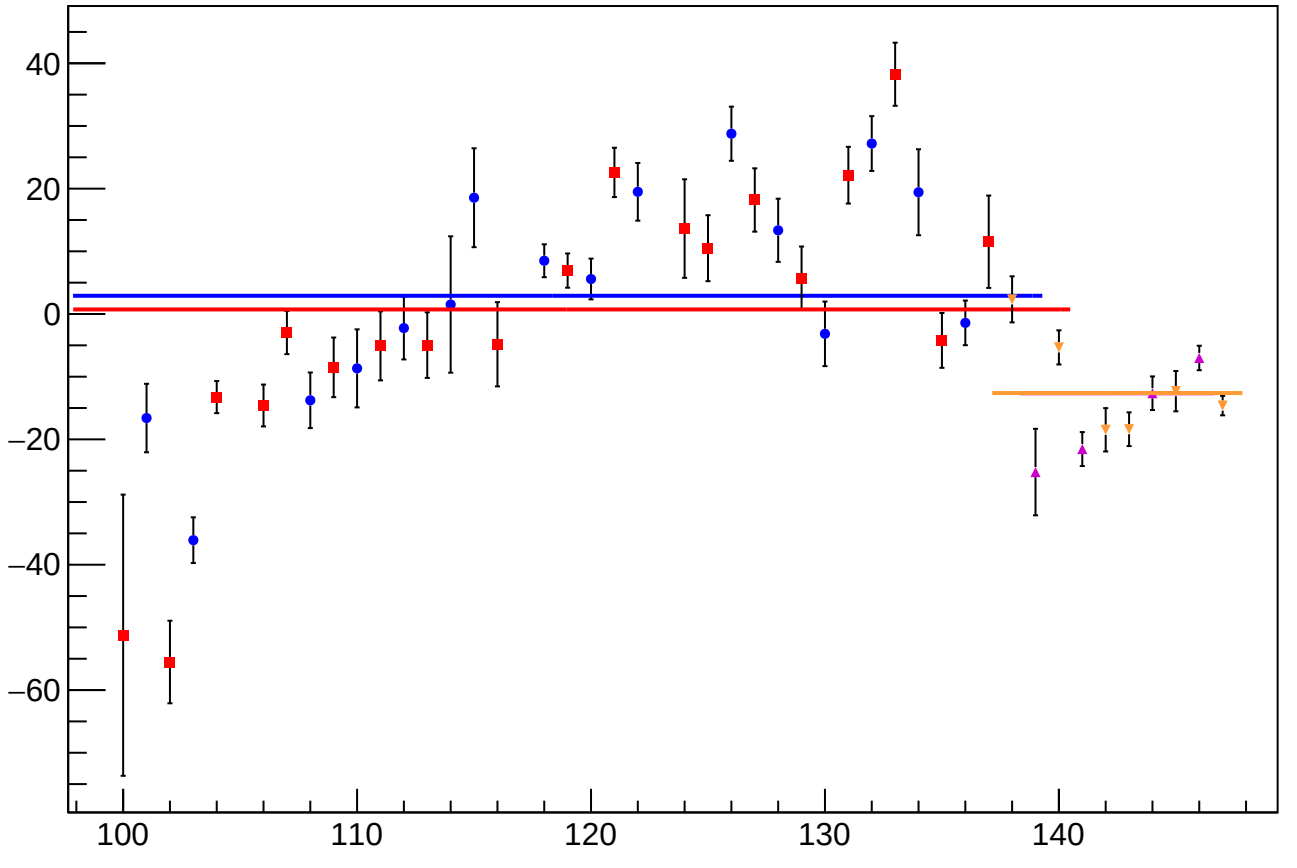
Left: 194.806+/-1.174 χ^2/NDF: 371.5/9

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 185.353+/-0.936 χ^2/NDF:1877.8/19

Out: 171.796+/-0.838 χ^2/NDF:2938.3/24

All: 177.827+/-0.624 χ^2/NDF: 4932.7/44



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -12.611+/-1.030 χ^2/NDF:32.9/5

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -12.647+/-1.337 χ^2/NDF:22.5/3

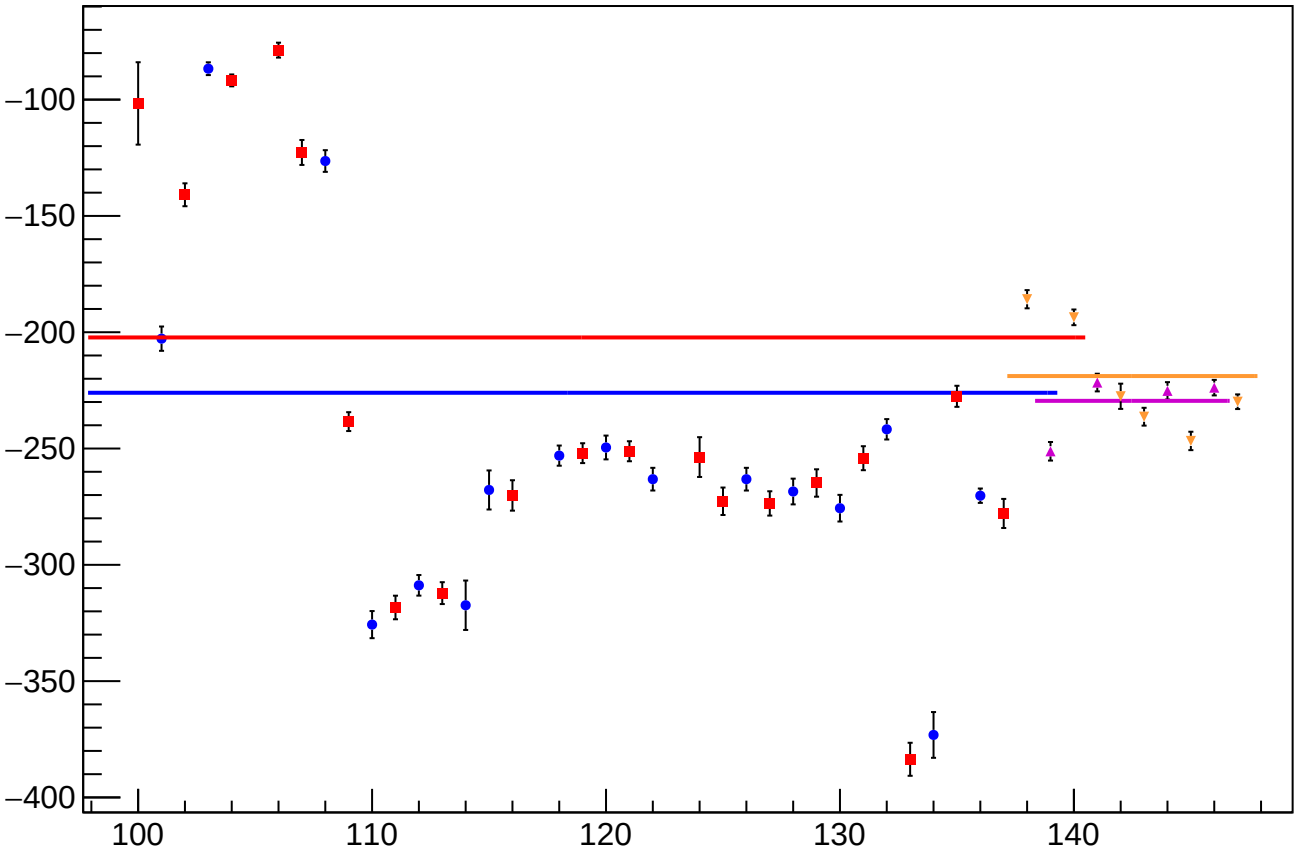
Left: -12.624+/-0.816 χ^2/NDF: 55.3/9

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -3.401+/-0.852 χ^2/NDF:350.4/19

Out: -5.823+/-0.722 χ^2/NDF:391.8/24

All: -4.810+/-0.551 χ^2/NDF: 746.8/44



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.842+/-1.543 χ^2/NDF:212.8/5

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -229.500+/-1.848 χ^2/NDF:38.0/3

Left: -223.220+/-1.184 χ^2/NDF: 270.4/9

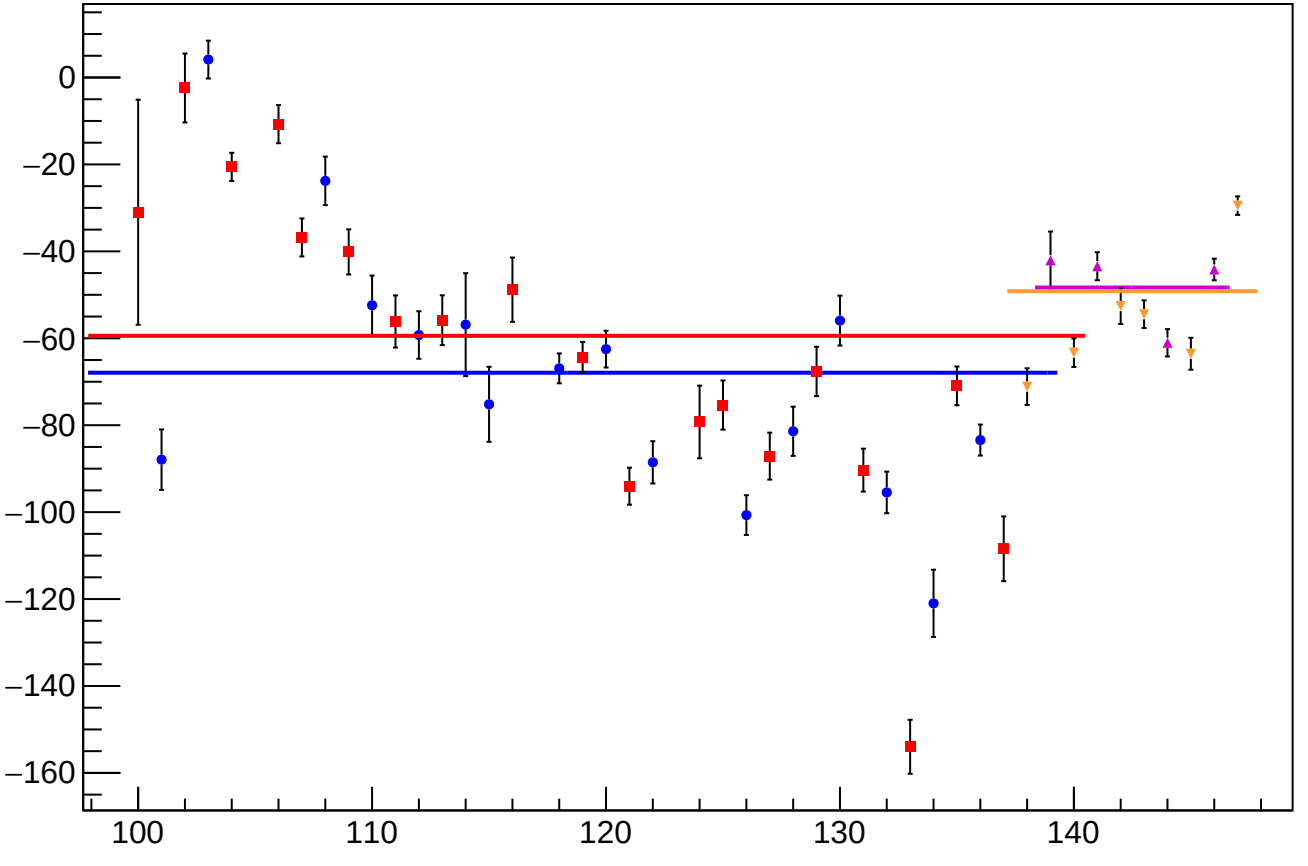
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -227.028+/-0.991 χ^2/NDF:4579.5/19

Out: -207.753+/-0.889 χ^2/NDF:6980.9/24

All: -216.339+/-0.662 χ^2/NDF: 11770.0/44

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -49.174+/-1.290 χ^2/NDF:150.0/5

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -48.321+/-1.618 χ^2/NDF:22.3/3

Left: -48.842+/-1.009 χ^2/NDF: 172.5/9

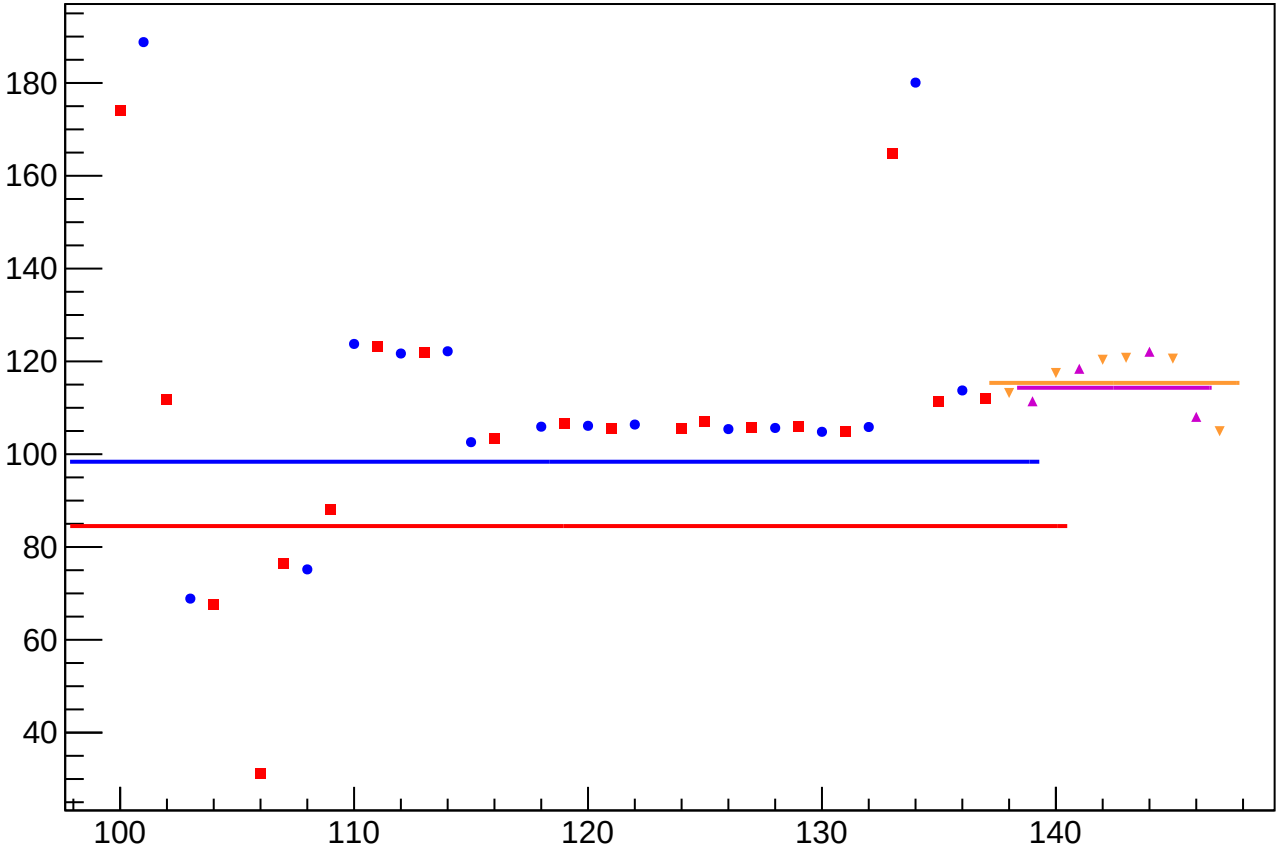
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -60.393+/-1.003 χ^2/NDF:646.8/19

Out: -54.739+/-0.872 χ^2/NDF:979.1/24

All: -57.174+/-0.658 χ^2/NDF: 1644.0/44

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: 115.370+/-0.065 χ^2/NDF:8677.9/5

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 114.317+/-0.076 χ^2/NDF:5159.8/3

Left: 114.922+/-0.049 χ^2/NDF: 13948.8/9

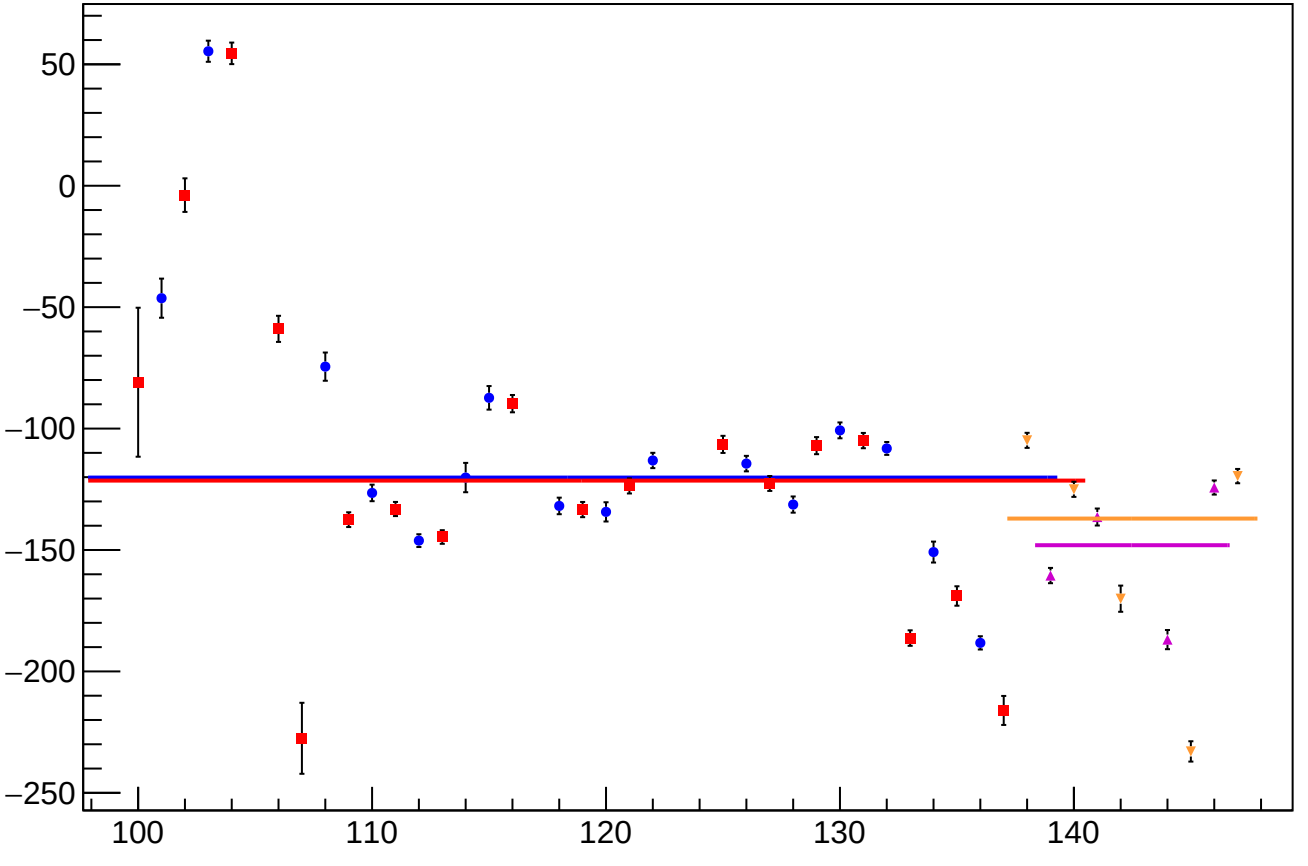
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.263+/-0.050 χ^2/NDF:258748.9/19

Out: 98.831+/-0.044 χ^2/NDF:397788.7/24

All: 101.681+/-0.033 χ^2/NDF: 665841.4/44

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: -137.057+/-1.555 χ^2/NDF:720.1/4

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -148.029+/-1.656 χ^2/NDF:190.2/3

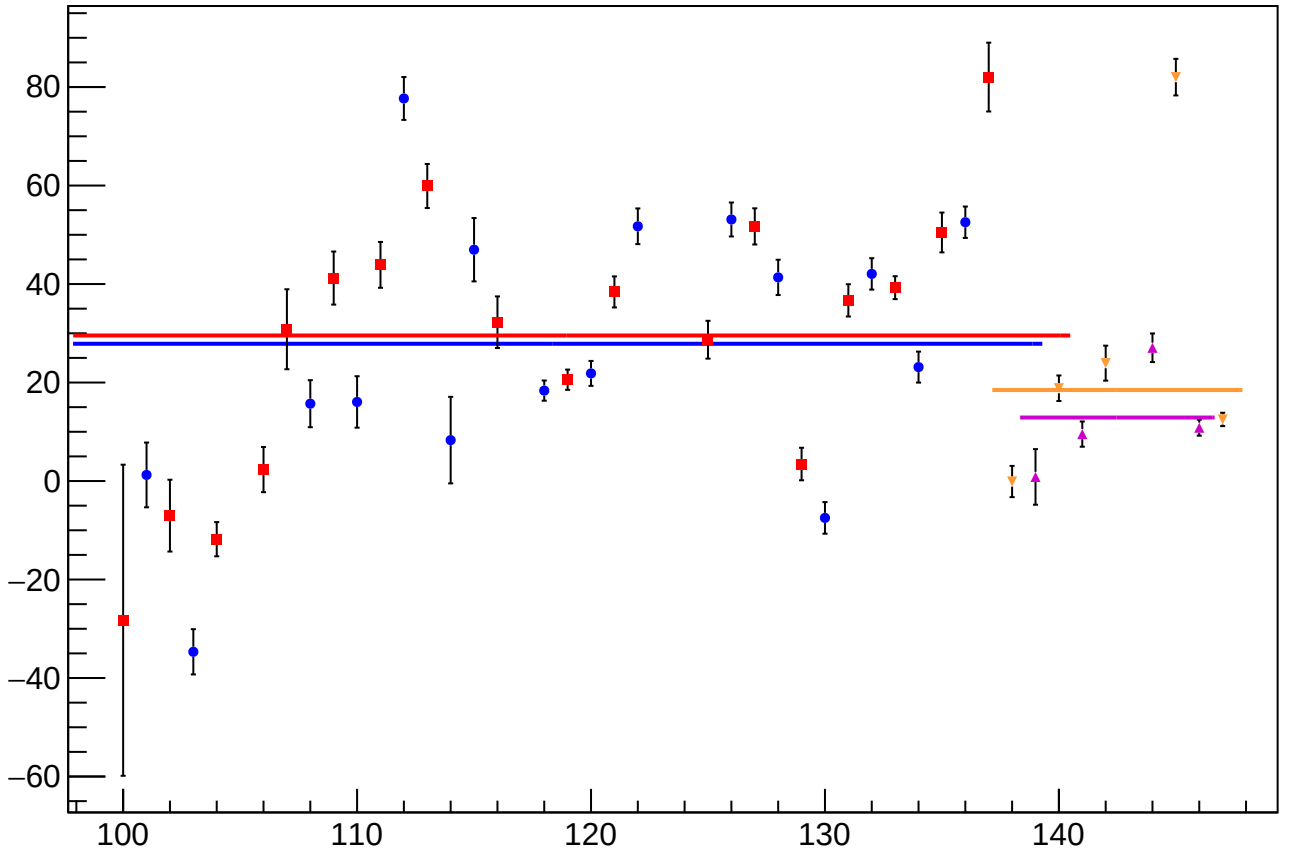
Left: -142.196+/-1.134 χ^2/NDF: 933.6/8

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -126.422+/-0.784 χ^2/NDF:3100.7/19

Out: -125.182+/-0.763 χ^2/NDF:3923.2/22

All: -125.785+/-0.547 χ^2/NDF: 7025.3/42



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 18.477+/-1.030 χ^2/NDF:348.7/4

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.892+/-1.210 χ^2/NDF:31.6/3

Left: 16.132+/-0.784 χ^2/NDF: 392.7/8

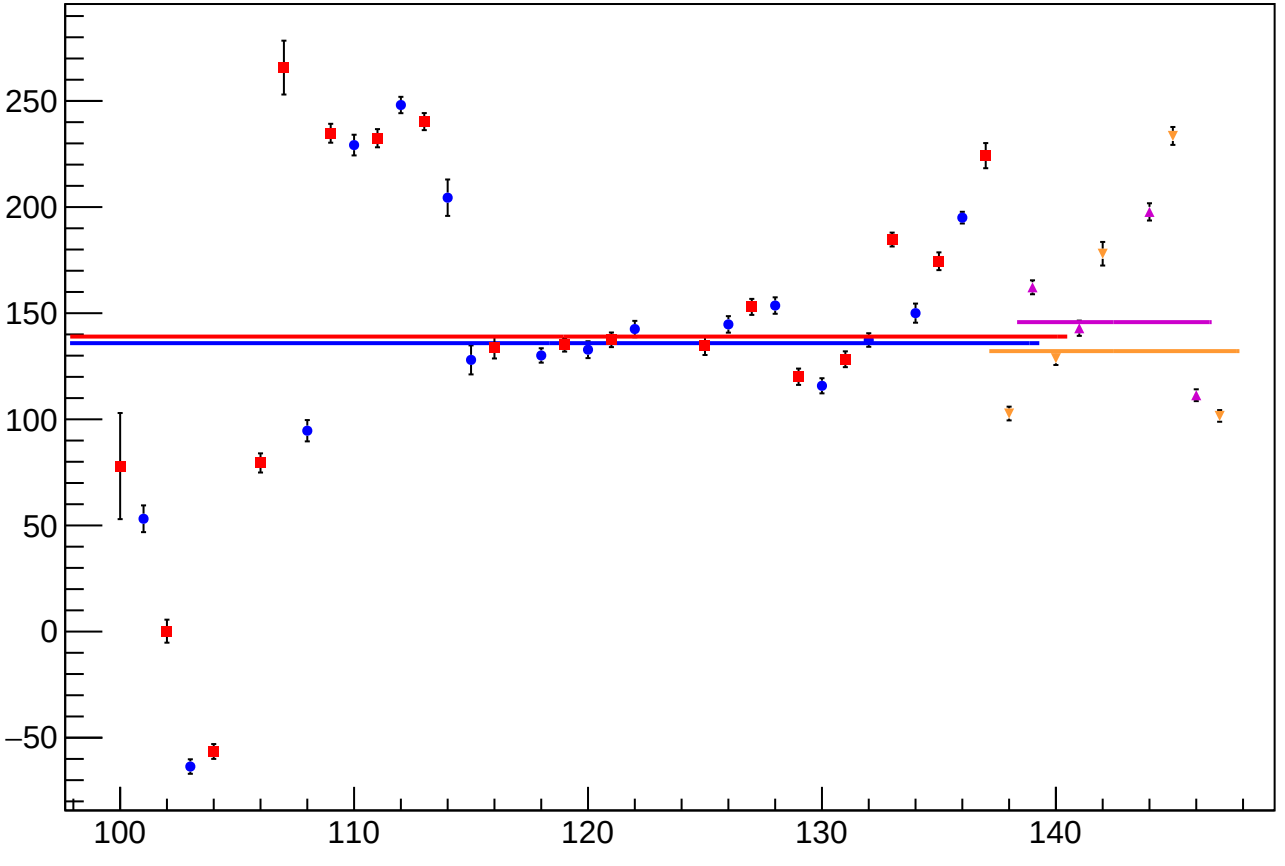
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 22.627+/-0.716 χ^2/NDF:830.9/19

Out: 24.818+/-0.673 χ^2/NDF:912.4/22

All: 23.790+/-0.490 χ^2/NDF: 1748.3/42

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: 132.134+/-1.554 χ^2/NDF:852.2/4

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 145.792+/-1.668 χ^2/NDF:341.7/3

Left: 138.483+/-1.137 χ^2/NDF: 1229.8/8

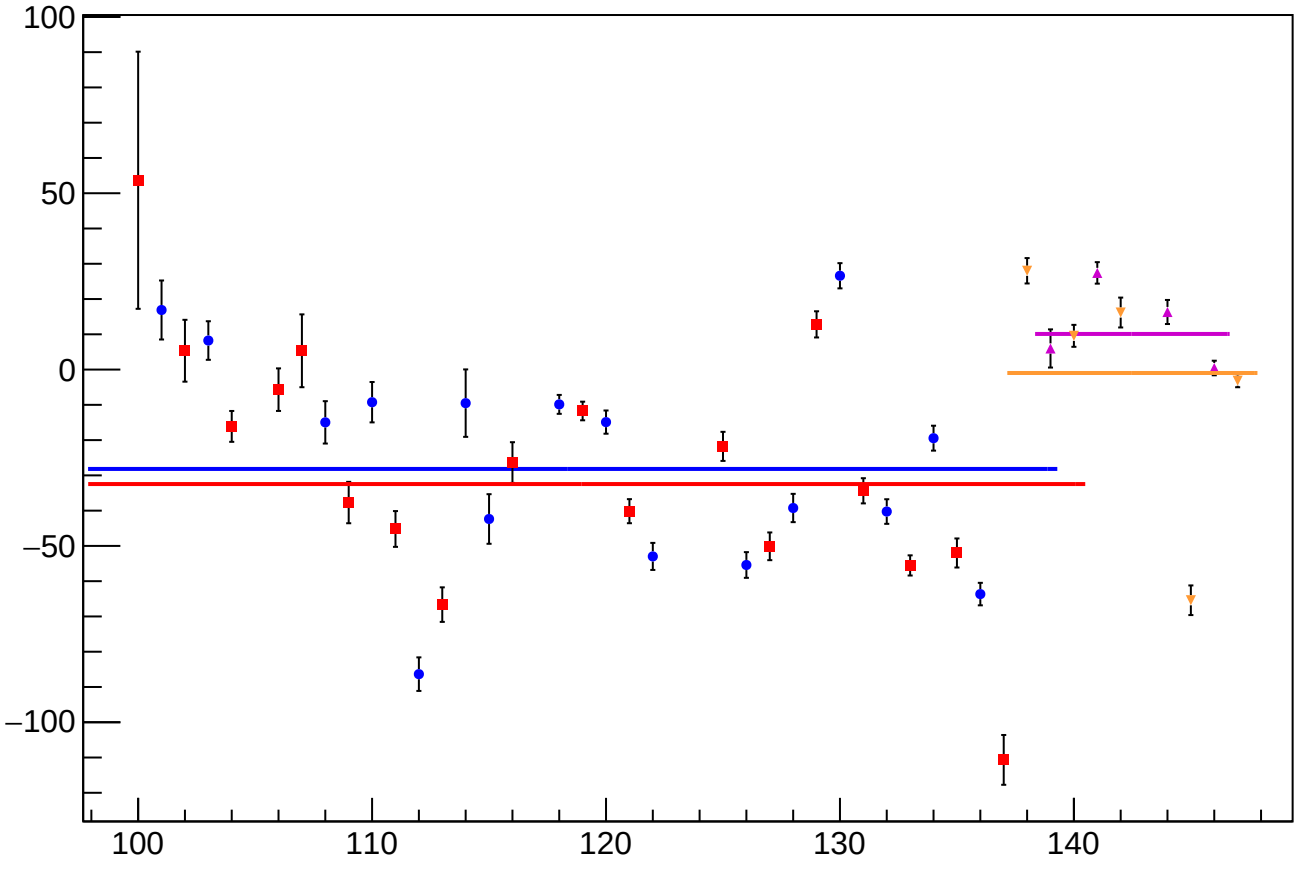
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 138.498+/-0.857 χ^2/NDF:5831.4/19

Out: 136.984+/-0.840 χ^2/NDF:7022.4/22

All: 137.726+/-0.600 χ^2/NDF: 12855.4/42

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: -0.968+/-1.311 χ^2/NDF:329.2/4

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 10.100+/-1.472 χ^2/NDF:58.0/3

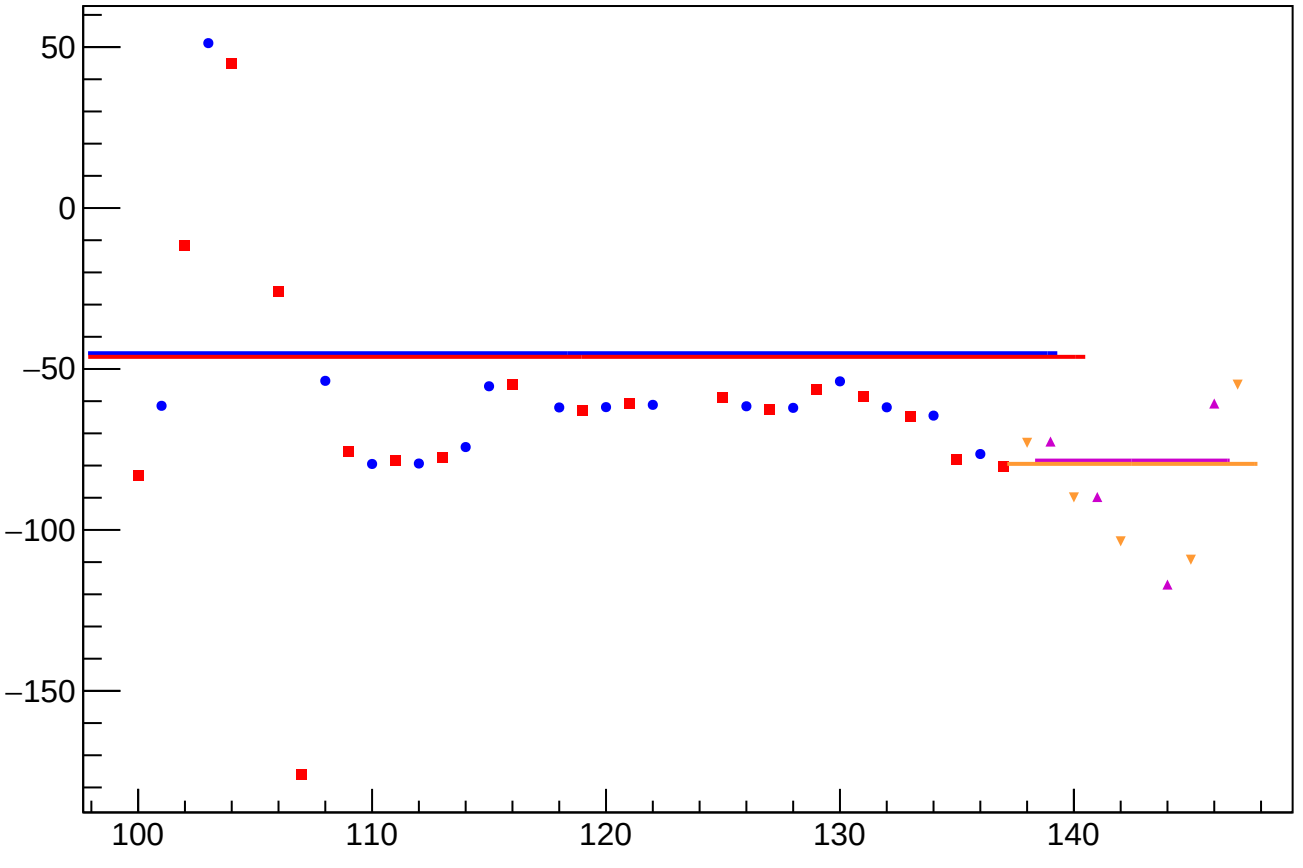
Left: 3.927+/-0.979 χ^2/NDF: 418.7/8

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

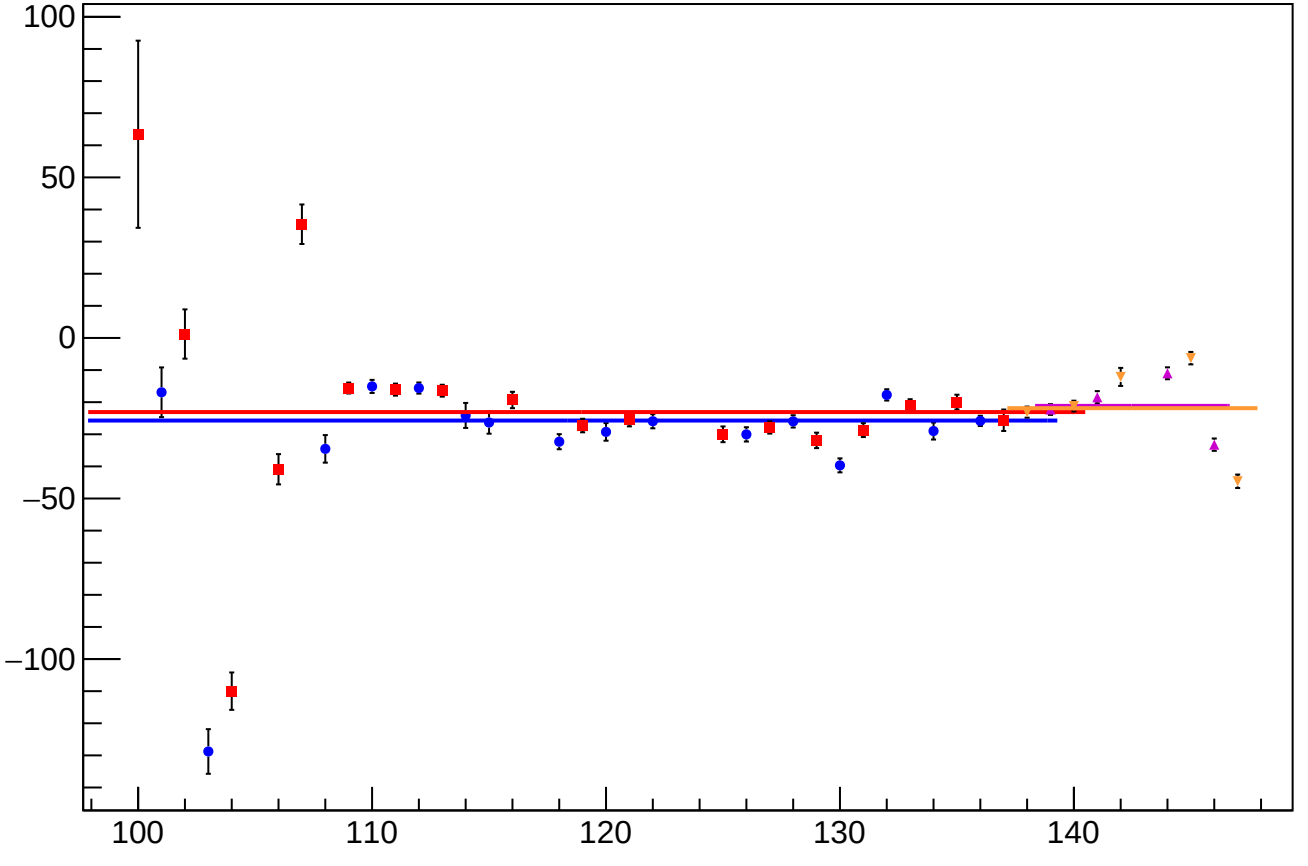
In: -15.720+/-0.840 χ^2/NDF:1305.4/19

Out: -20.472+/-0.809 χ^2/NDF:1267.7/22

All: -18.186+/-0.582 χ^2/NDF: 2589.7/42


reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
Right In: -45.106+/-0.060 χ²/NDF: 575184.2/15
Left Out: -79.475+/-0.066 χ²/NDF:91781.1/4
Right Out: -46.229+/-0.063 χ²/NDF: 493616.3/17
Left In: -78.461+/-0.067 χ²/NDF:74935.2/3
Left: -78.982+/-0.047 χ²/NDF: 166832.4/8
Right: -45.645+/-0.043 χ²/NDF: 1068967.9/33
In: -59.877+/-0.045 χ²/NDF:786367.2/19
Out: -62.066+/-0.045 χ²/NDF:719809.8/22
All: -60.961+/-0.032 χ²/NDF: 1507355.2/42

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: -21.872+/-0.874 χ^2/NDF:195.3/4

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -21.155+/-0.915 χ^2/NDF:71.8/3

Left: -21.530+/-0.632 χ^2/NDF: 267.4/8

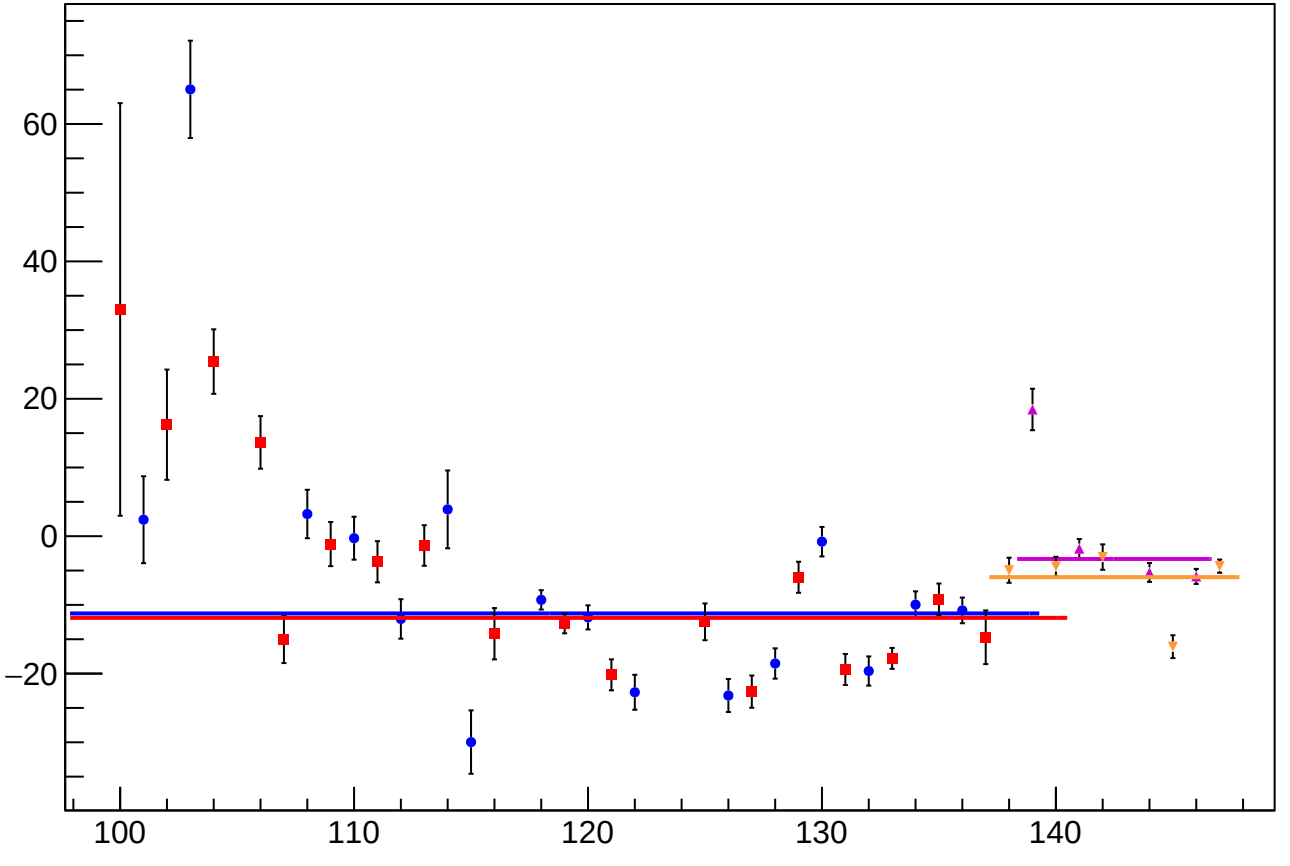
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -24.380+/-0.496 χ^2/NDF:452.4/19

Out: -22.709+/-0.484 χ^2/NDF:633.7/22

All: -23.525+/-0.347 χ^2/NDF: 1091.9/42

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: -5.962+/-0.629 χ^2/NDF:43.7/4

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -3.317+/-0.711 χ^2/NDF:60.5/3

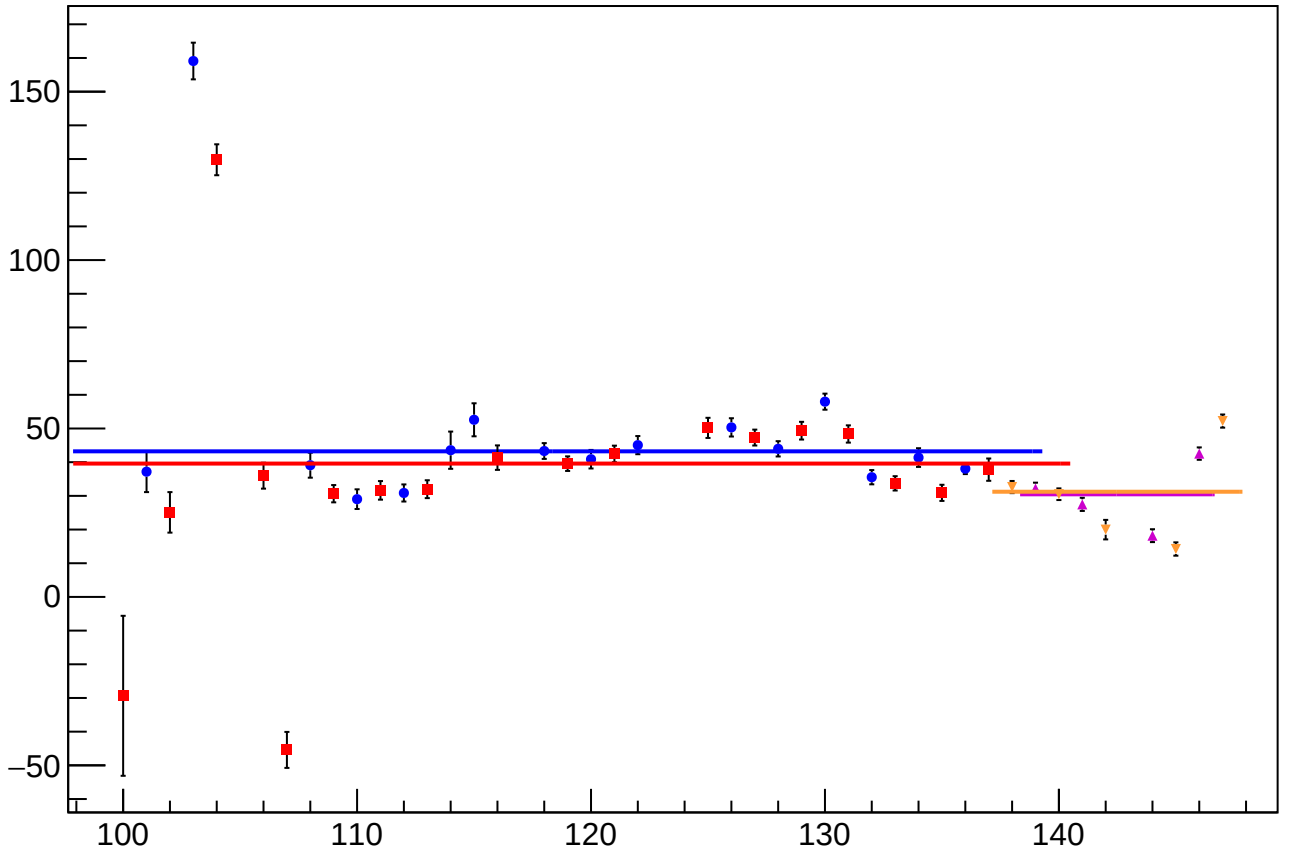
Left: -4.801+/-0.471 χ^2/NDF: 112.0/8

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.948+/-0.459 χ^2/NDF:404.2/19

Out: -9.030+/-0.437 χ^2/NDF:314.2/22

All: -8.515+/-0.316 χ^2/NDF: 721.4/42



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 31.229+/-0.885 χ^2/NDF:205.0/4

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 30.461+/-0.929 χ^2/NDF:87.5/3

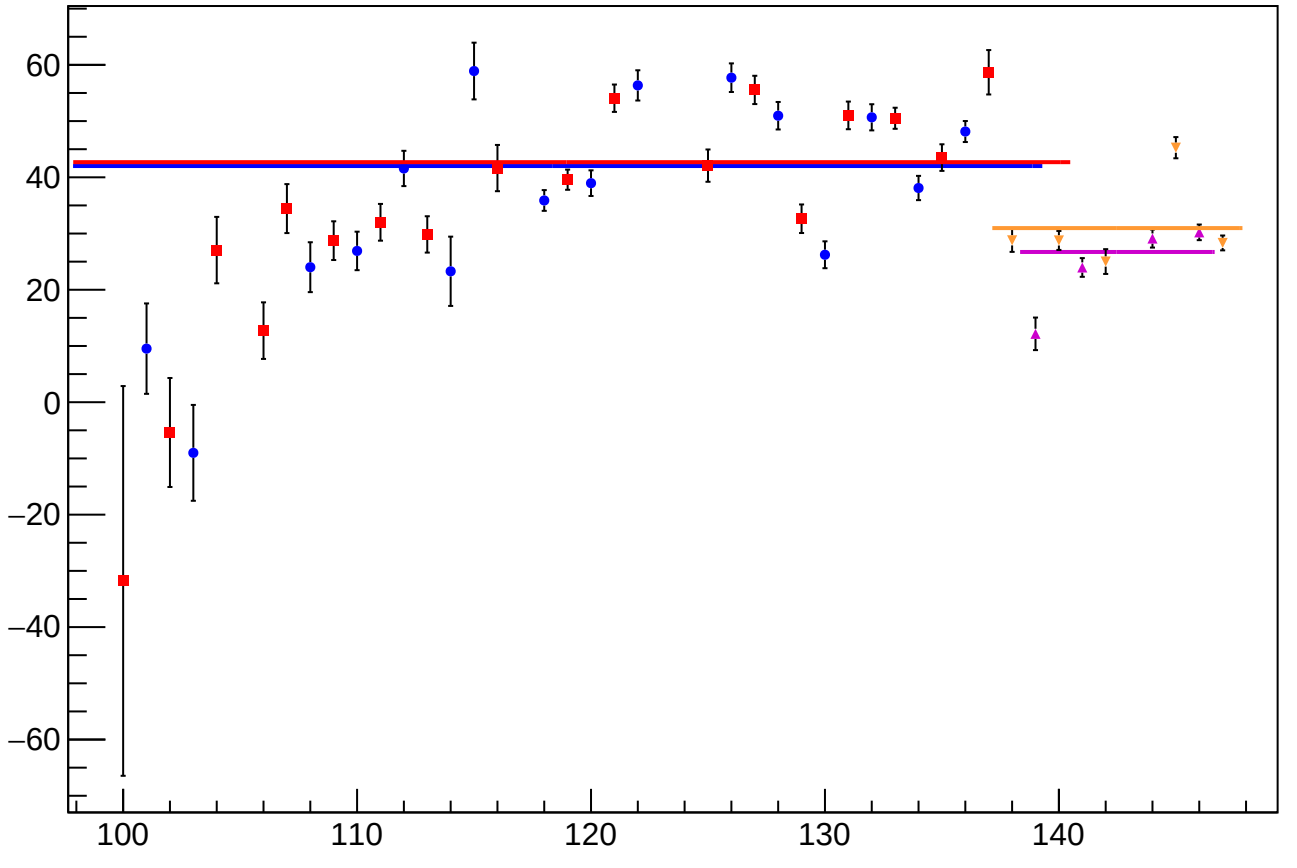
Left: 30.863+/-0.641 χ^2/NDF: 292.9/8

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 38.785+/-0.548 χ^2/NDF:786.6/19

Out: 36.457+/-0.542 χ^2/NDF:1014.8/22

All: 37.608+/-0.385 χ^2/NDF: 1810.6/42



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 30.969+/-0.779 χ^2/NDF:71.7/4

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 26.721+/-0.850 χ^2/NDF:36.6/3

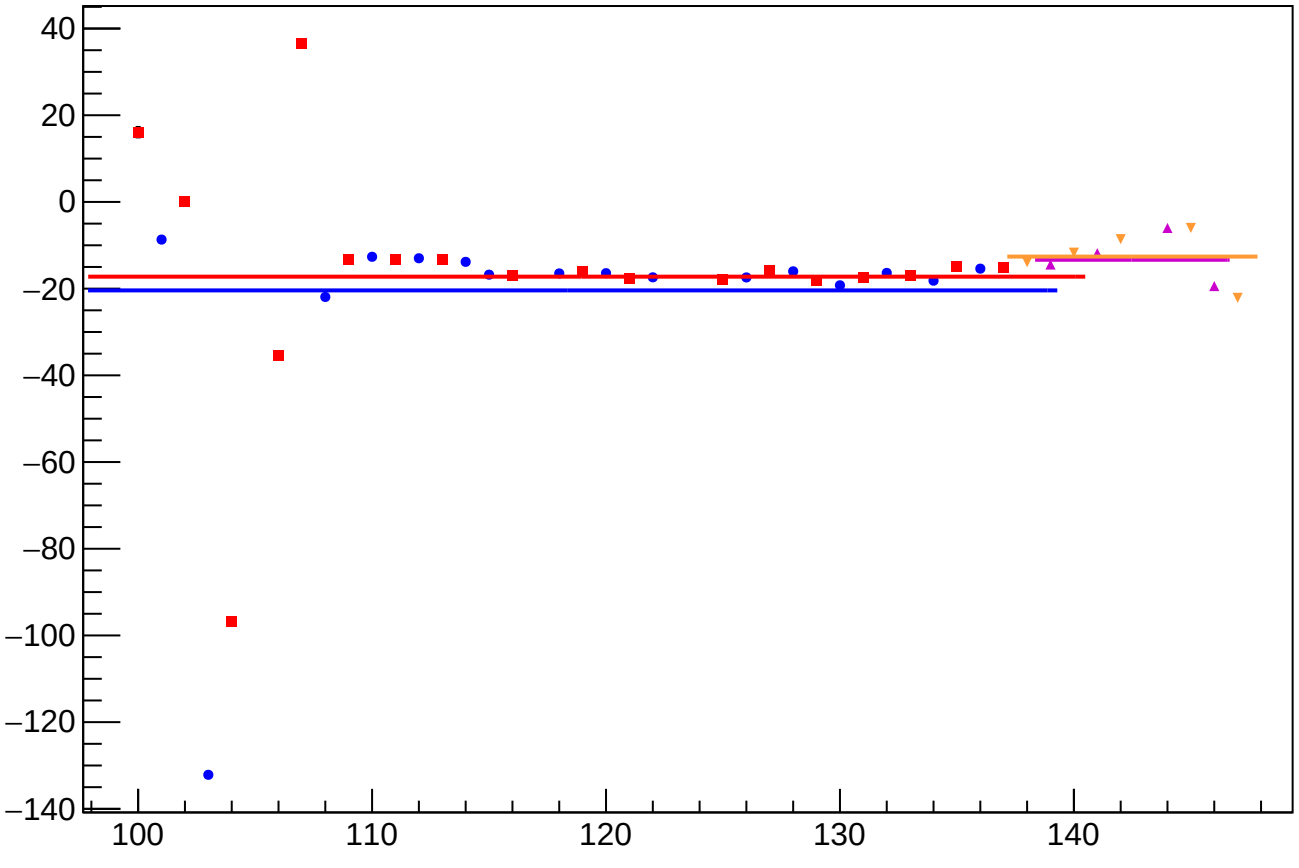
Left: 29.030+/-0.574 χ^2/NDF: 121.8/8

Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 36.000+/-0.533 χ^2/NDF:505.6/19

Out: 37.499+/-0.518 χ^2/NDF:428.2/22

All: 36.770+/-0.372 χ^2/NDF: 937.9/42



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -12.606+/-0.037 χ^2/NDF:20851.5/4

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -13.338+/-0.038 χ^2/NDF:13896.1/3

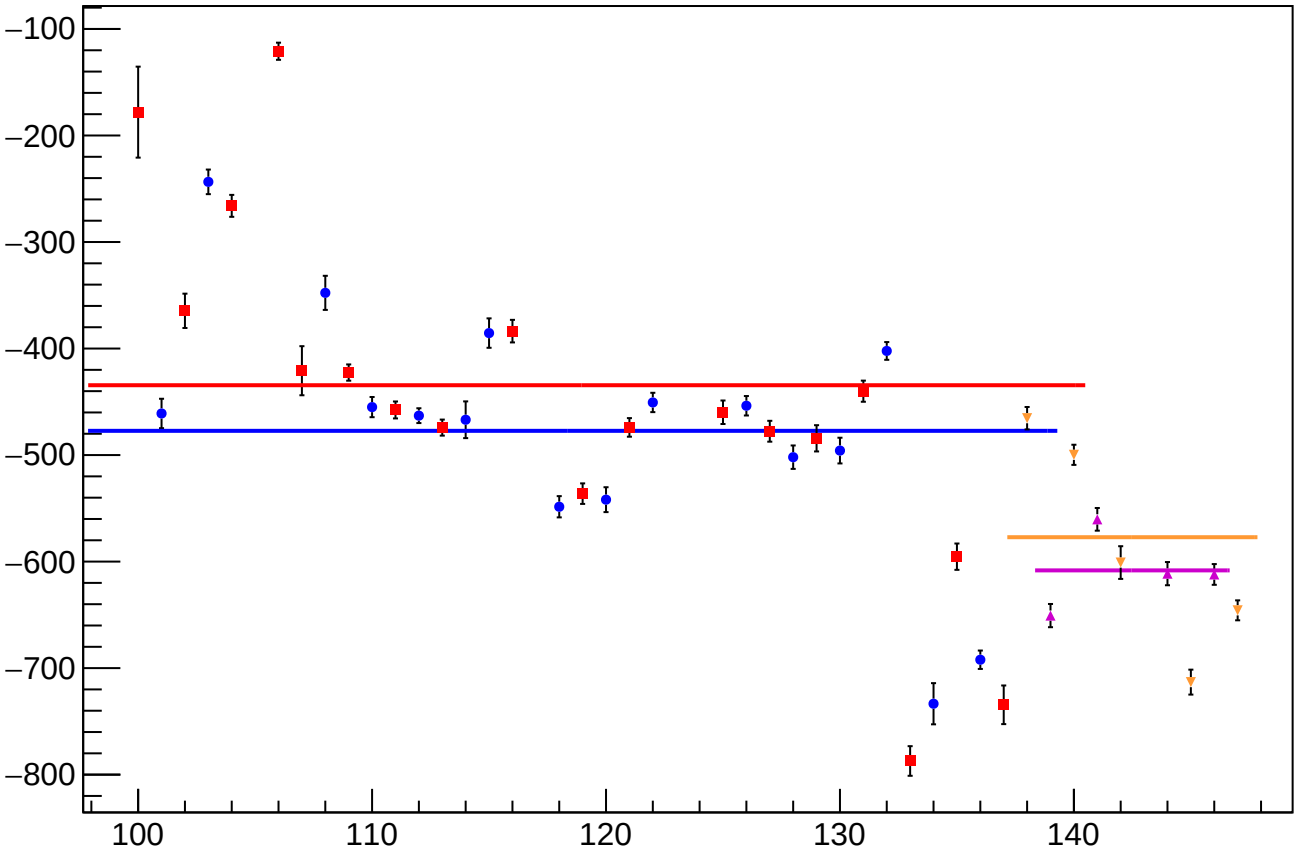
Left: -12.965+/-0.026 χ^2/NDF: 34941.8/8

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -16.481+/-0.028 χ^2/NDF:275298.9/19

Out: -14.509+/-0.028 χ^2/NDF:232004.8/22

All: -15.506+/-0.020 χ^2/NDF: 509764.9/42



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -577.118+/-4.814 χ^2/NDF:370.8/4

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -608.257+/-5.254 χ^2/NDF:35.7/3

Left: -591.328+/-3.549 χ^2/NDF: 425.6/8

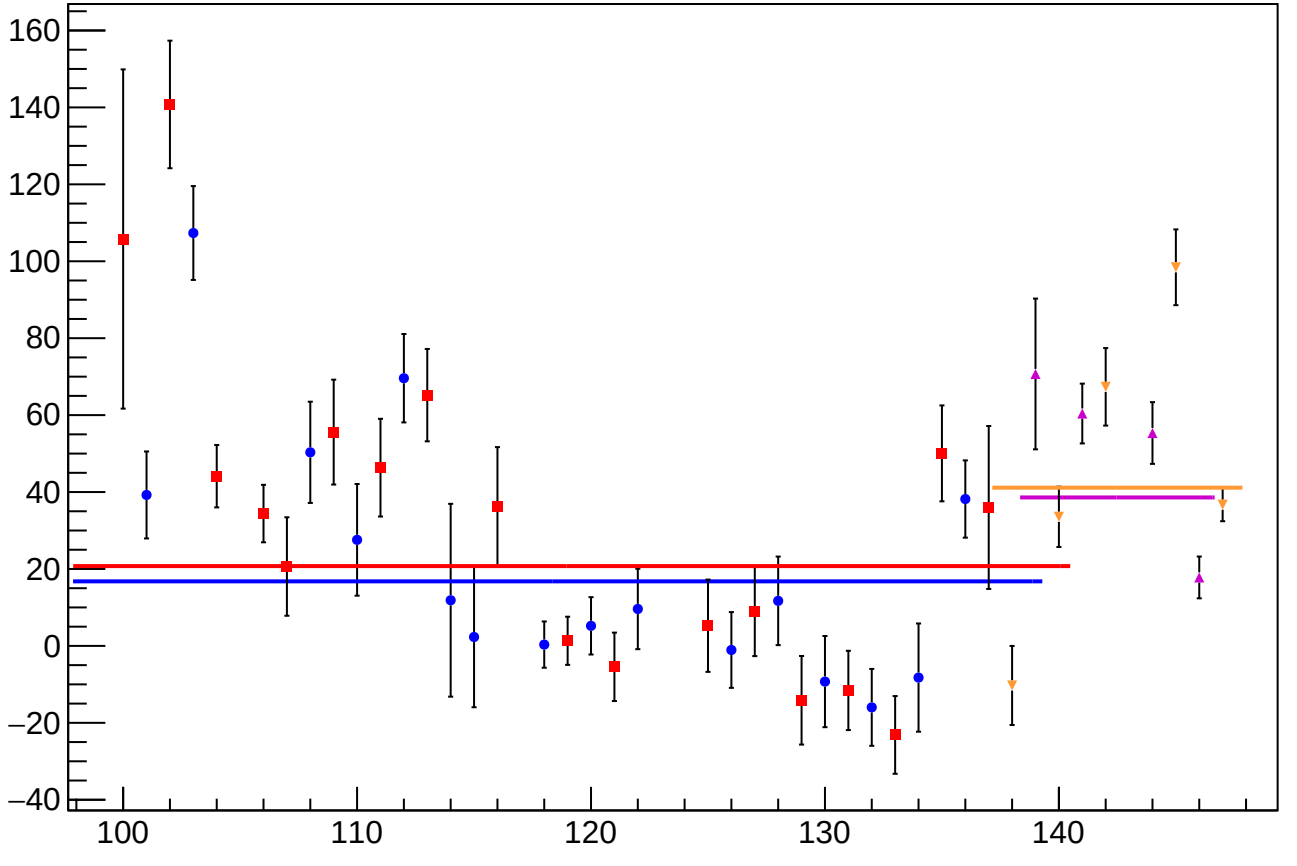
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -503.551+/-2.354 χ^2/NDF:2043.3/19

Out: -464.056+/-2.193 χ^2/NDF:4228.9/22

All: -482.409+/-1.605 χ^2/NDF: 6422.9/42

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: 41.136+/-3.165 χ^2/NDF:67.6/4

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 38.598+/-3.819 χ^2/NDF:29.6/3

Left: 40.103+/-2.437 χ^2/NDF: 97.4/8

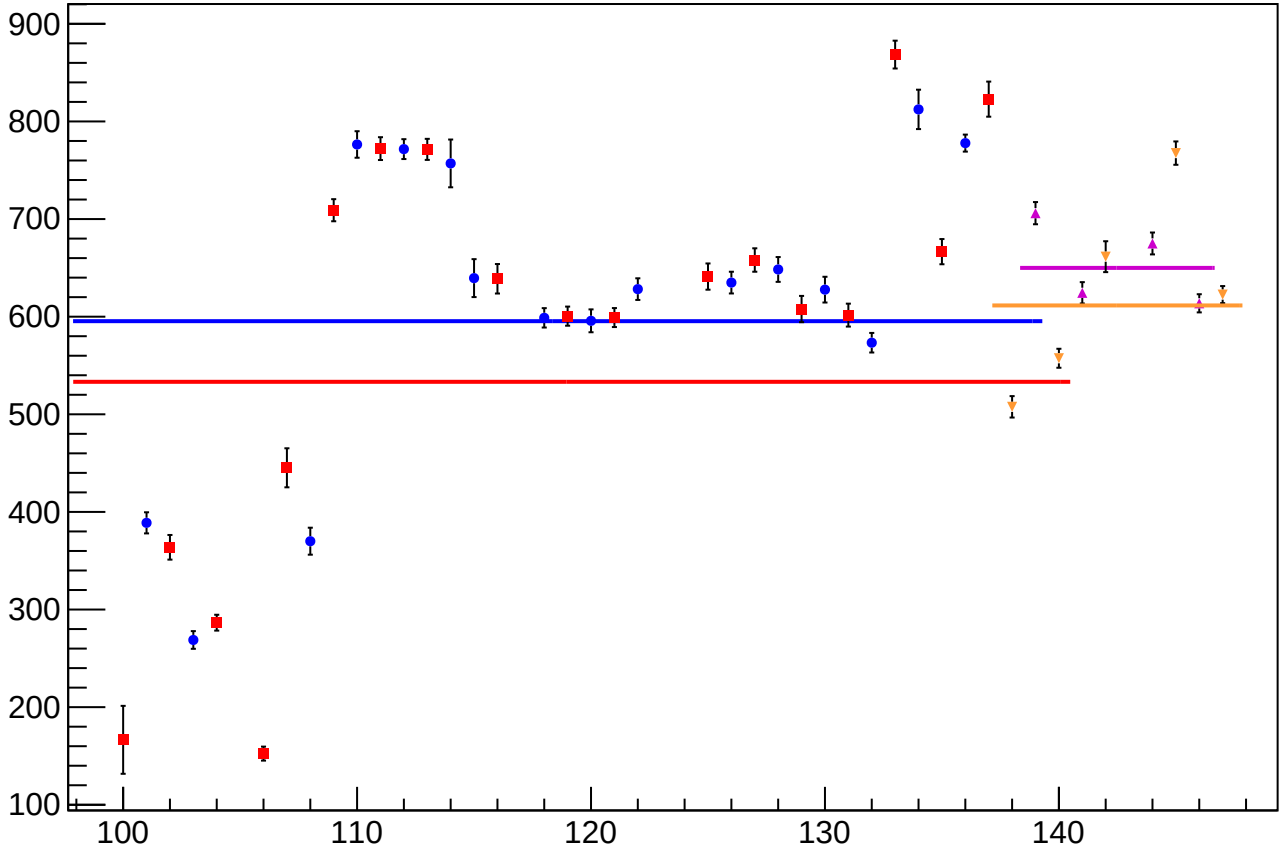
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 23.887+/-2.180 χ^2/NDF:176.6/19

Out: 28.767+/-1.985 χ^2/NDF:250.7/22

All: 26.554+/-1.468 χ^2/NDF: 430.0/42

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: 611.516+/-4.824 χ^2/NDF:302.3/4

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 649.978+/-5.298 χ^2/NDF:50.0/3

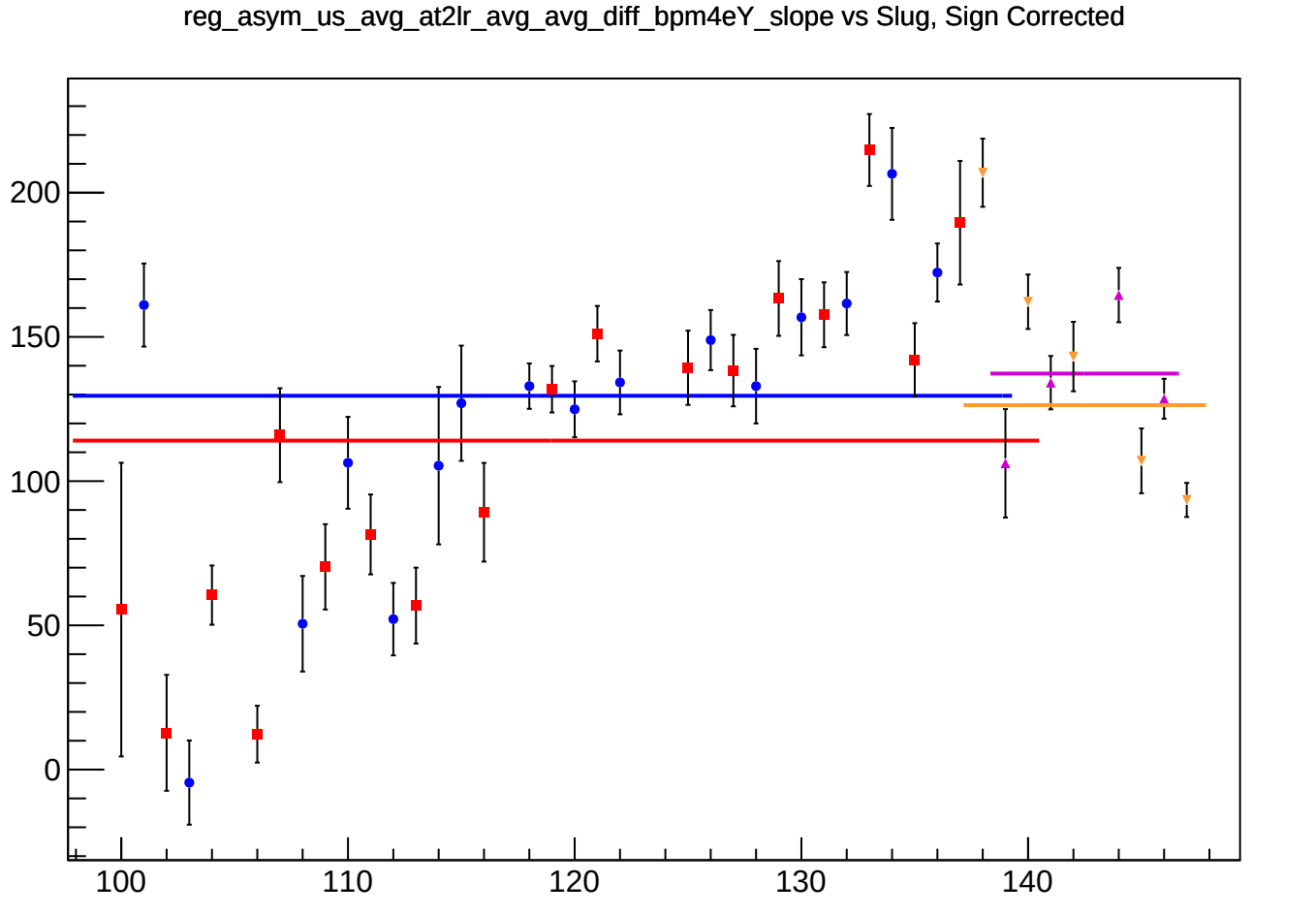
Left: 628.950+/-3.567 χ^2/NDF: 381.0/8

Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

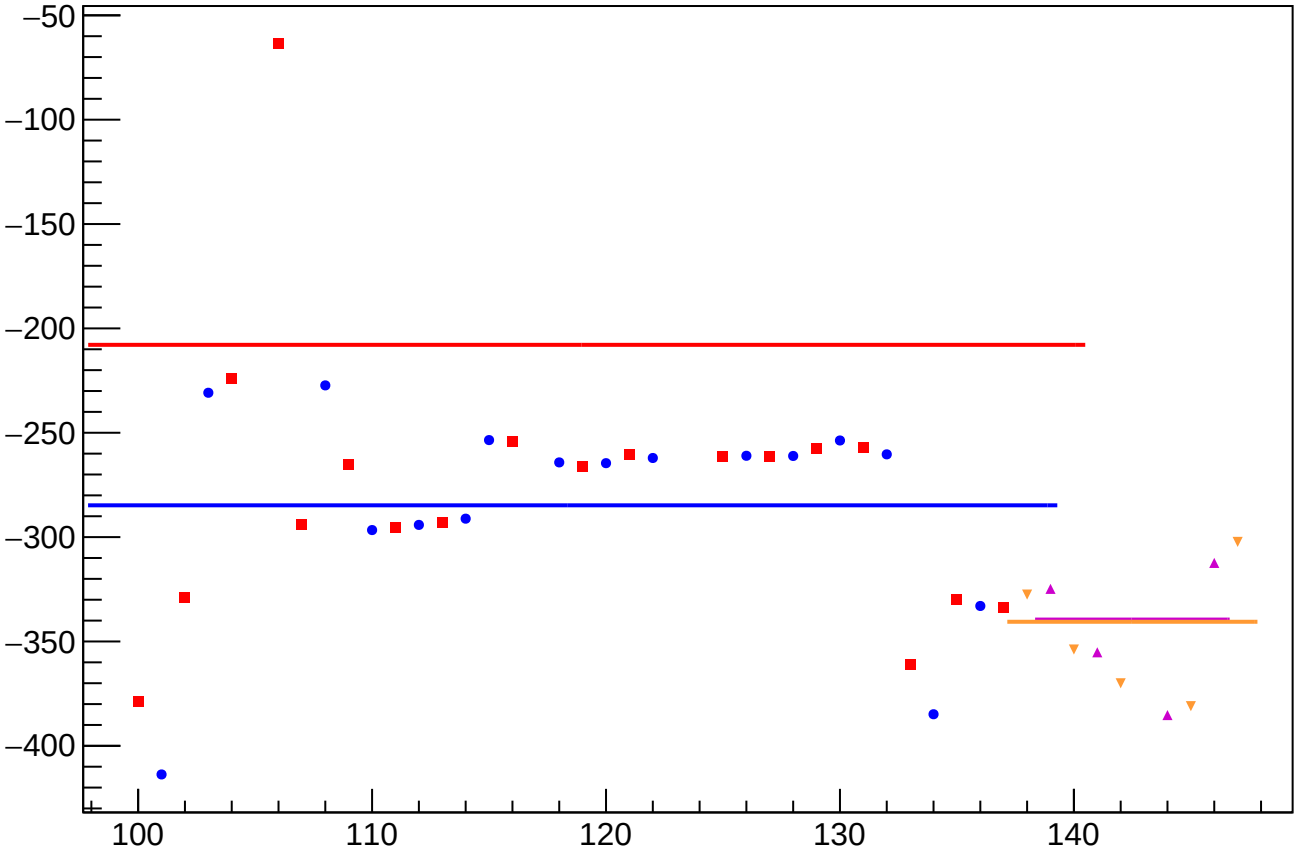
In: 608.184+/-2.564 χ^2/NDF:3190.9/19

Out: 552.426+/-2.387 χ^2/NDF:7003.8/22

All: 578.311+/-1.747 χ^2/NDF: 10448.1/42


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
200
150
100
50
0
100
110
120
130
140
Right In: 129.586+/-3.081 χ²/NDF: 211.2/15
Left Out: 126.348+/-4.021 χ²/NDF:96.8/4
Right Out: 114.048+/-2.976 χ²/NDF: 335.9/17
Left In: 137.283+/-4.630 χ²/NDF:12.8/3
Left: 131.049+/-3.036 χ²/NDF: 112.8/8
Right: 121.549+/-2.140 χ²/NDF: 560.3/33
In: 131.948+/-2.565 χ²/NDF:226.0/19
Out: 118.402+/-2.392 χ²/NDF:438.8/22
All: 124.703+/-1.749 χ²/NDF: 679.6/42

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -340.557+/-0.205 χ^2/NDF:20836.6/4

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -339.508+/-0.217 χ^2/NDF:15434.1/3

Left: -340.063+/-0.149 χ^2/NDF: 36283.1/8

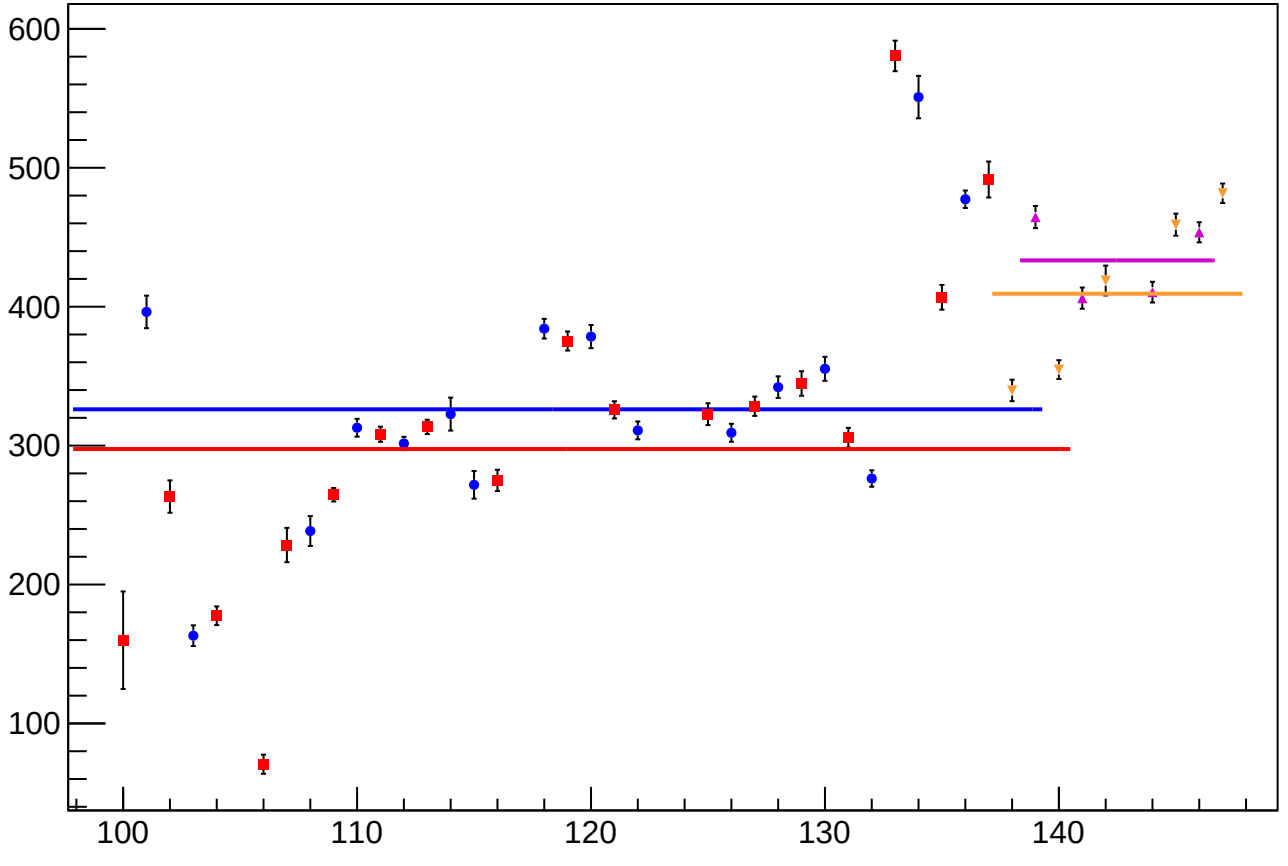
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -306.739+/-0.137 χ^2/NDF:157962.4/19

Out: -253.758+/-0.120 χ^2/NDF:832345.7/22

All: -276.772+/-0.091 χ^2/NDF: 1074442.3/42

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: 409.340+/-3.457 χ^2/NDF:293.9/4

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 433.333+/-3.774 χ^2/NDF:45.3/3

Left: 420.286+/-2.549 χ^2/NDF: 361.2/8

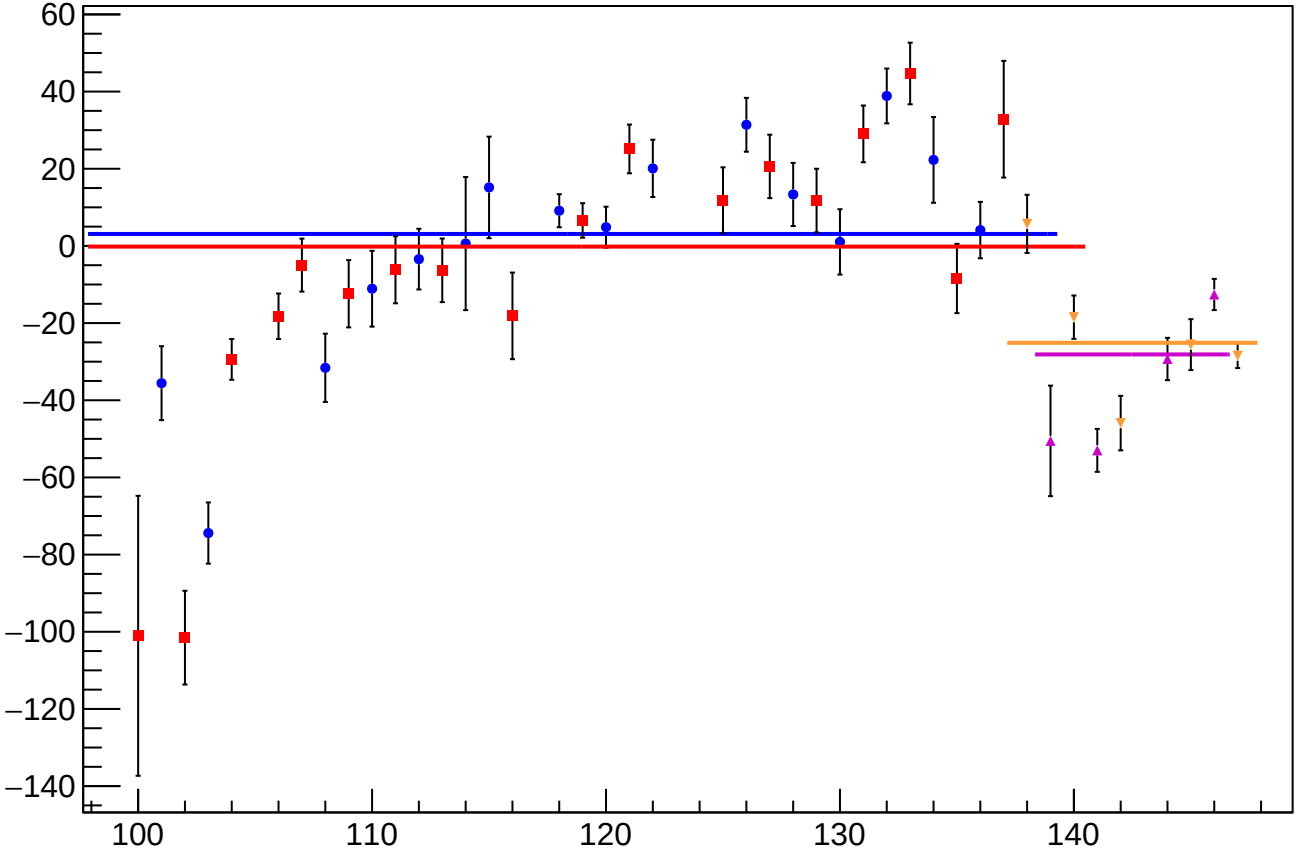
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 347.022+/-1.666 χ^2/NDF:2337.8/19

Out: 320.024+/-1.550 χ^2/NDF:3904.8/22

All: 332.553+/-1.135 χ^2/NDF: 6383.3/42

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: -25.116+/-2.296 χ^2/NDF:27.9/4

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -28.124+/-2.758 χ^2/NDF:37.2/3

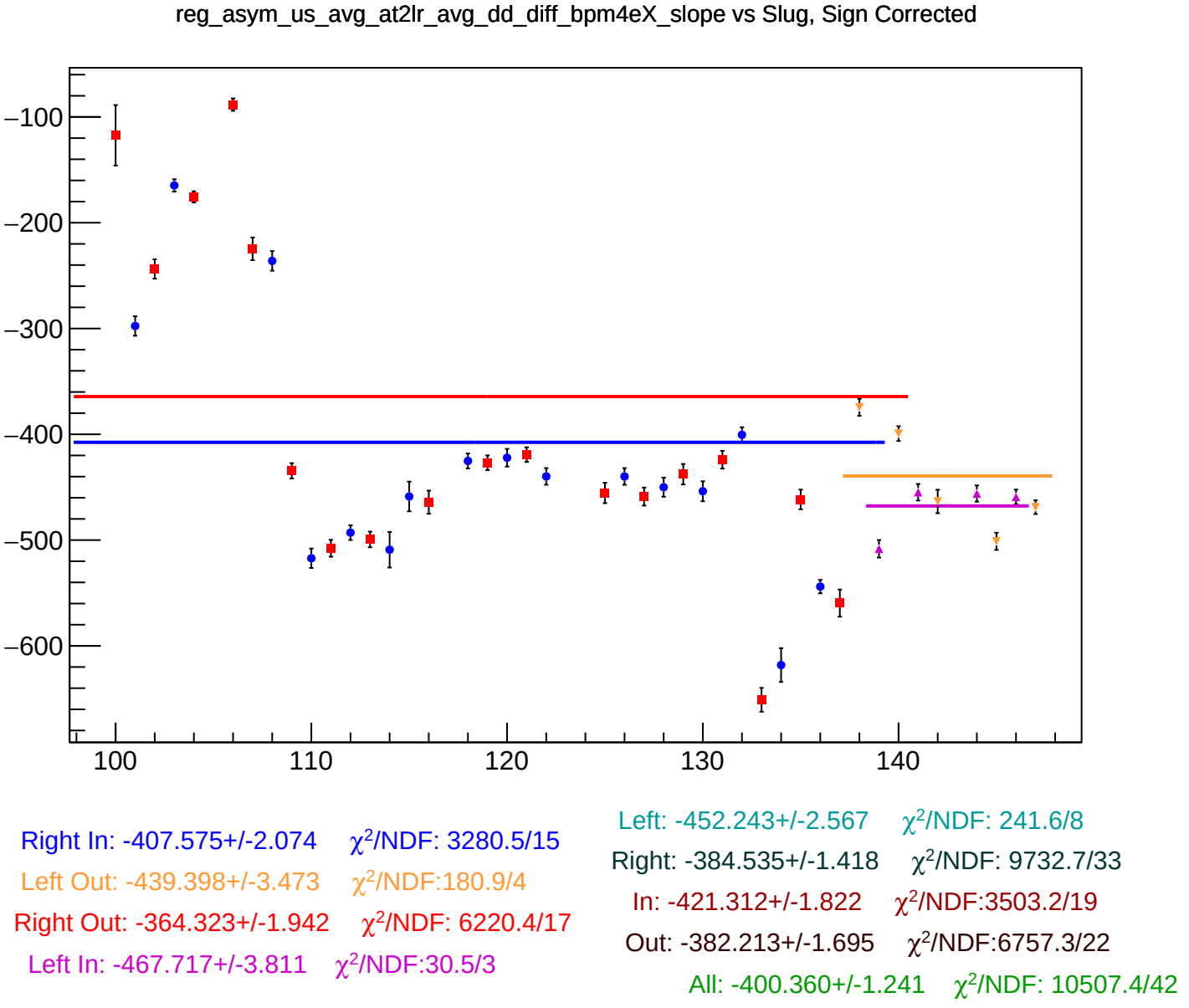
Left: -26.347+/-1.764 χ^2/NDF: 65.8/8

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

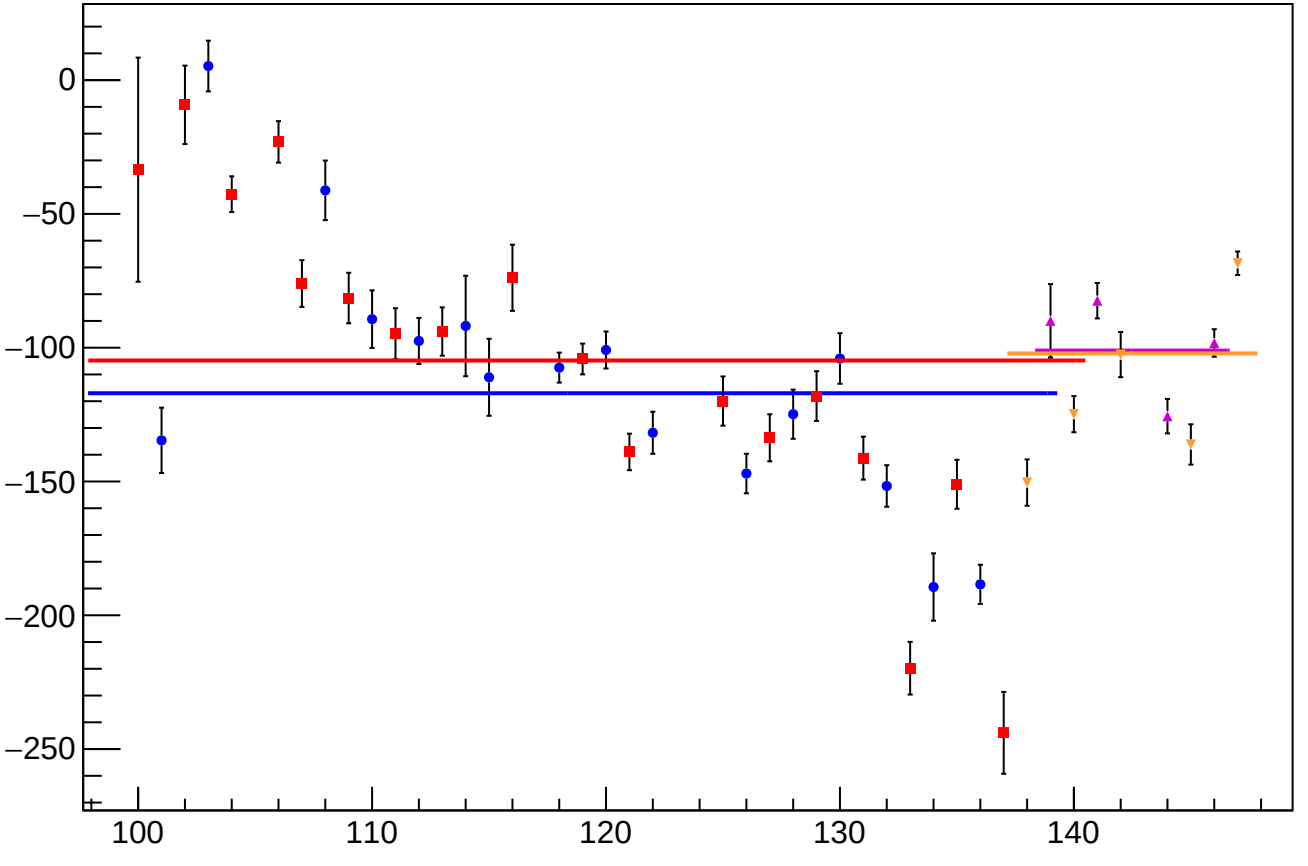
In: -6.894+/-1.560 χ^2/NDF:308.9/19

Out: -9.614+/-1.412 χ^2/NDF:306.4/22

All: -8.389+/-1.047 χ^2/NDF: 617.0/42


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
100
110
120
130
140
Right In: -407.575+/-2.074 χ²/NDF: 3280.5/15
Left Out: -439.398+/-3.473 χ²/NDF:180.9/4
Right Out: -364.323+/-1.942 χ²/NDF: 6220.4/17
Left In: -467.717+/-3.811 χ²/NDF:30.5/3
Left: -452.243+/-2.567 χ²/NDF: 241.6/8
Right: -384.535+/-1.418 χ²/NDF: 9732.7/33
In: -421.312+/-1.822 χ²/NDF:3503.2/19
Out: -382.213+/-1.695 χ²/NDF:6757.3/22
All: -400.360+/-1.241 χ²/NDF: 10507.4/42

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -102.145+/-2.904 χ^2/NDF:121.4/4

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -101.075+/-3.335 χ^2/NDF:23.4/3

Left: -101.684+/-2.190 χ^2/NDF: 144.8/8

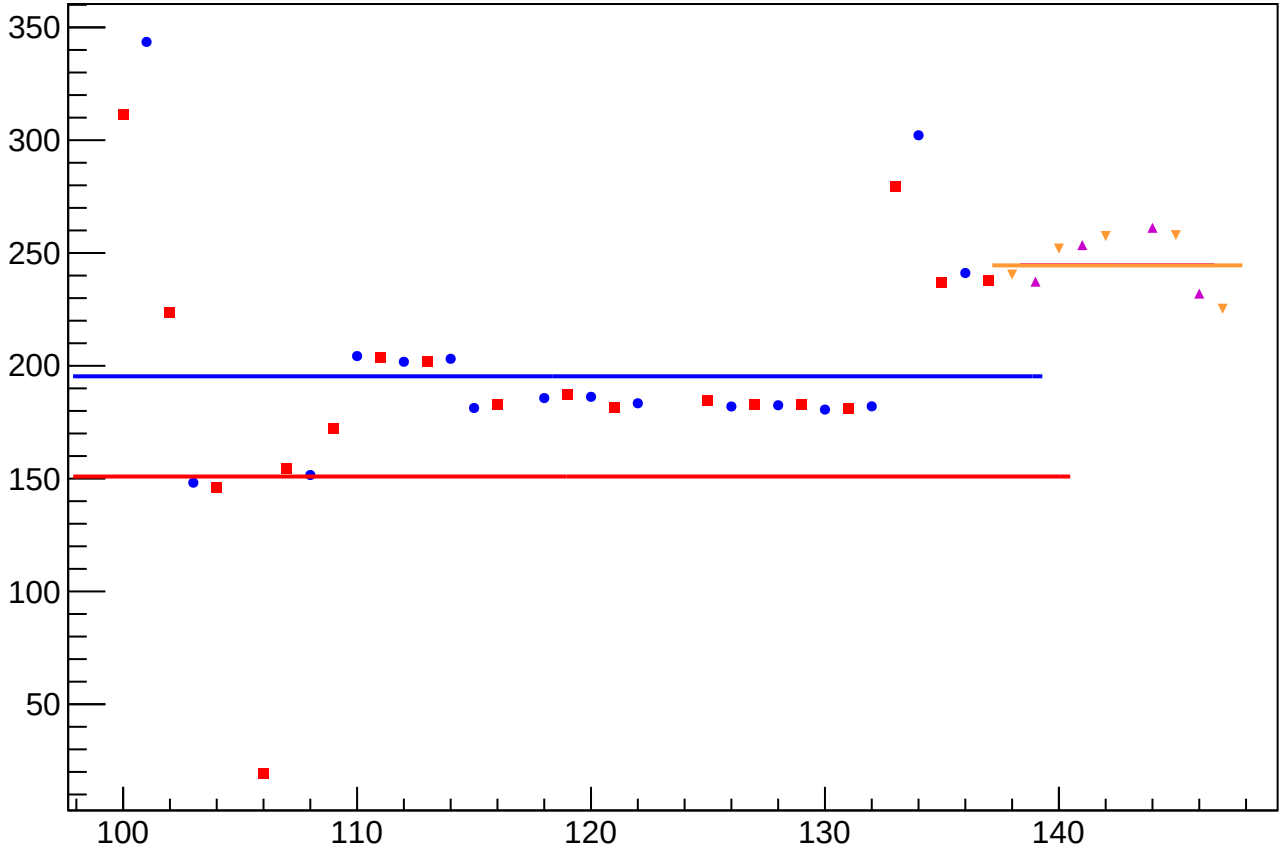
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -112.204+/-1.833 χ^2/NDF:447.1/19

Out: -103.880+/-1.697 χ^2/NDF:697.1/22

All: -107.721+/-1.245 χ^2/NDF: 1155.3/42

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: 244.509+/-0.147 χ^2/NDF:7691.8/4

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 244.660+/-0.156 χ^2/NDF:5503.9/3

Left: 244.580+/-0.107 χ^2/NDF: 13196.2/8

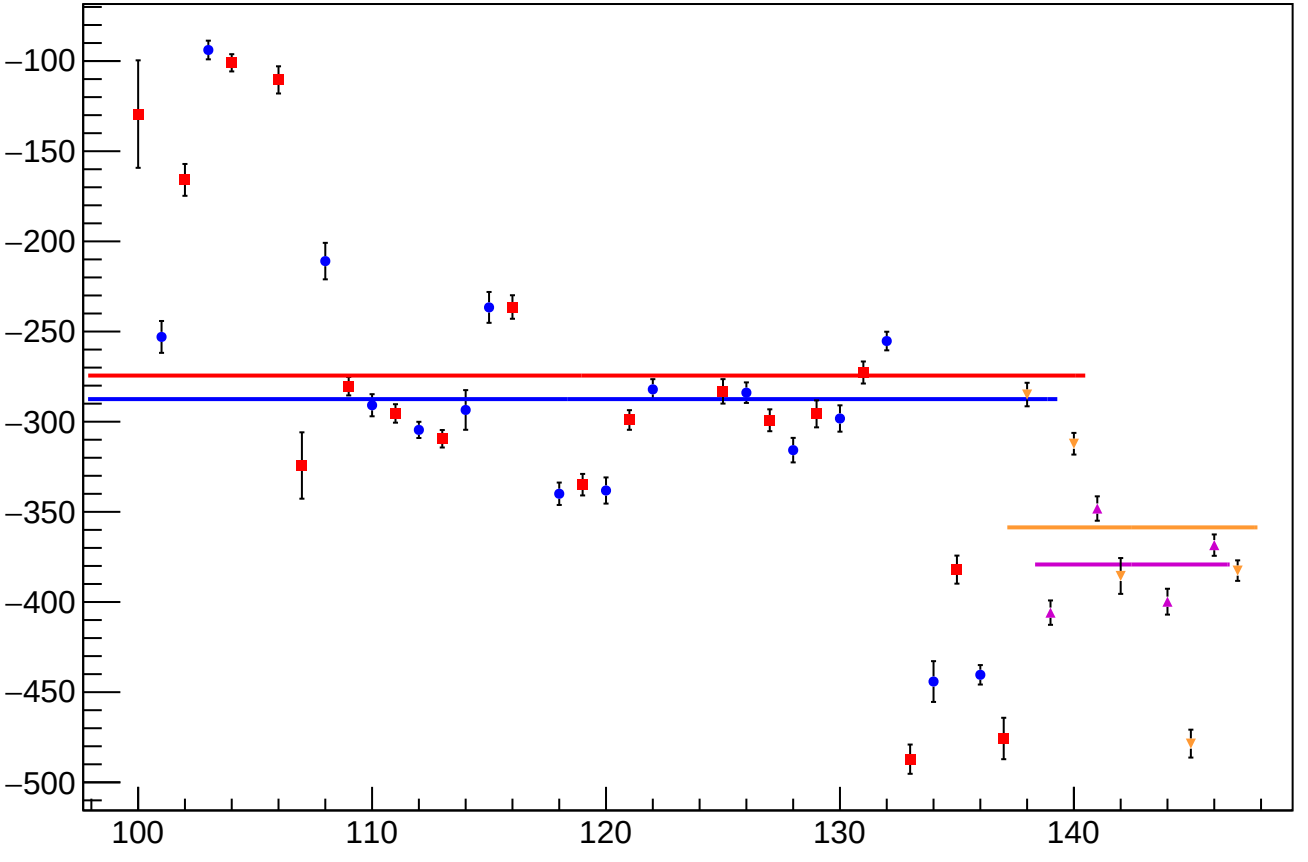
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 214.513+/-0.097 χ^2/NDF:243309.3/19

Out: 184.556+/-0.088 χ^2/NDF:766167.5/22

All: 198.043+/-0.065 χ^2/NDF: 1061431.2/42

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -358.618+/-3.030 χ^2/NDF:452.6/4

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -379.187+/-3.303 χ^2/NDF:48.2/3

Left: -368.014+/-2.233 χ^2/NDF: 521.9/8

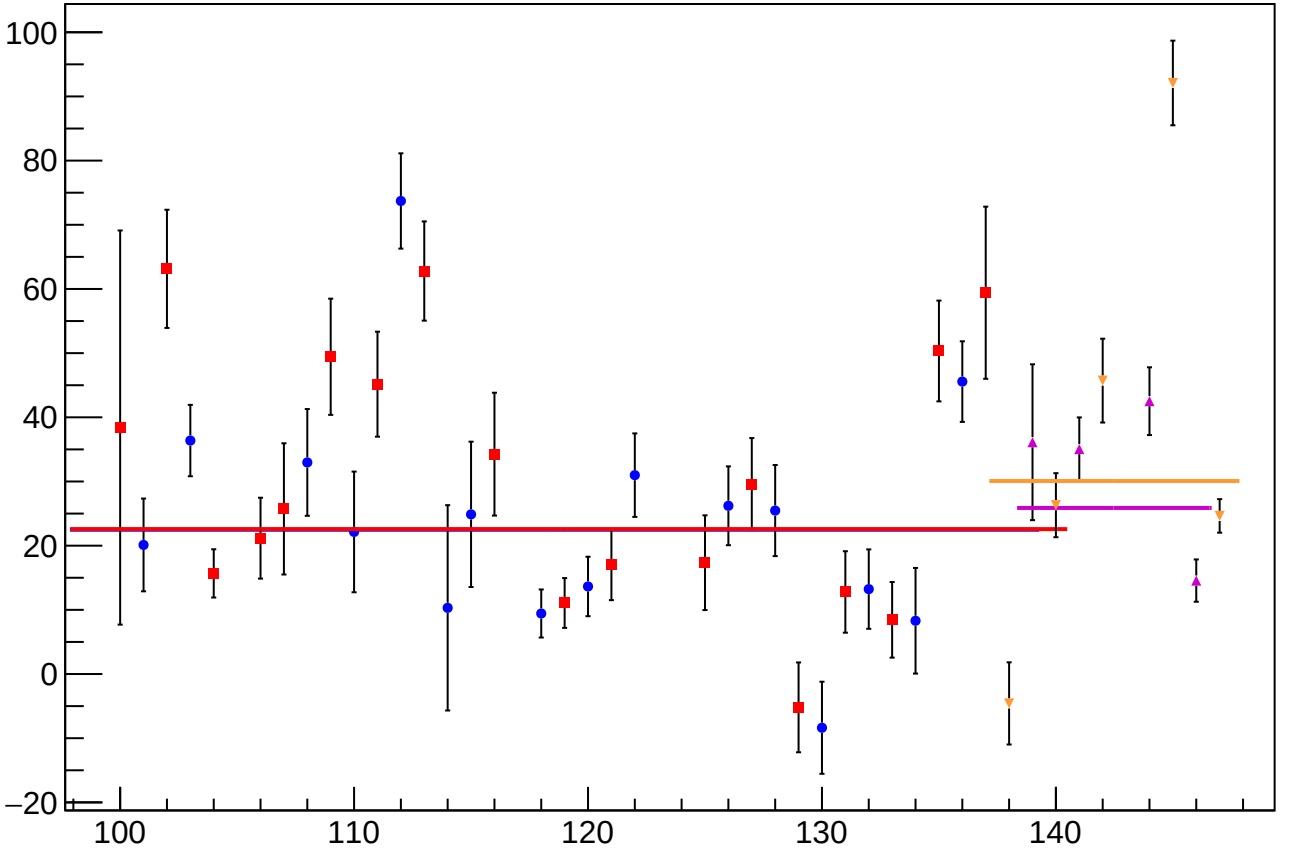
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -305.101+/-1.448 χ^2/NDF:3367.4/19

Out: -291.910+/-1.381 χ^2/NDF:4478.0/22

All: -298.192+/-0.999 χ^2/NDF: 7888.8/42

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 30.078+/-1.971 χ^2/NDF:128.5/4

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 25.878+/-2.386 χ^2/NDF:25.9/3

Left: 28.374+/-1.519 χ^2/NDF: 156.2/8

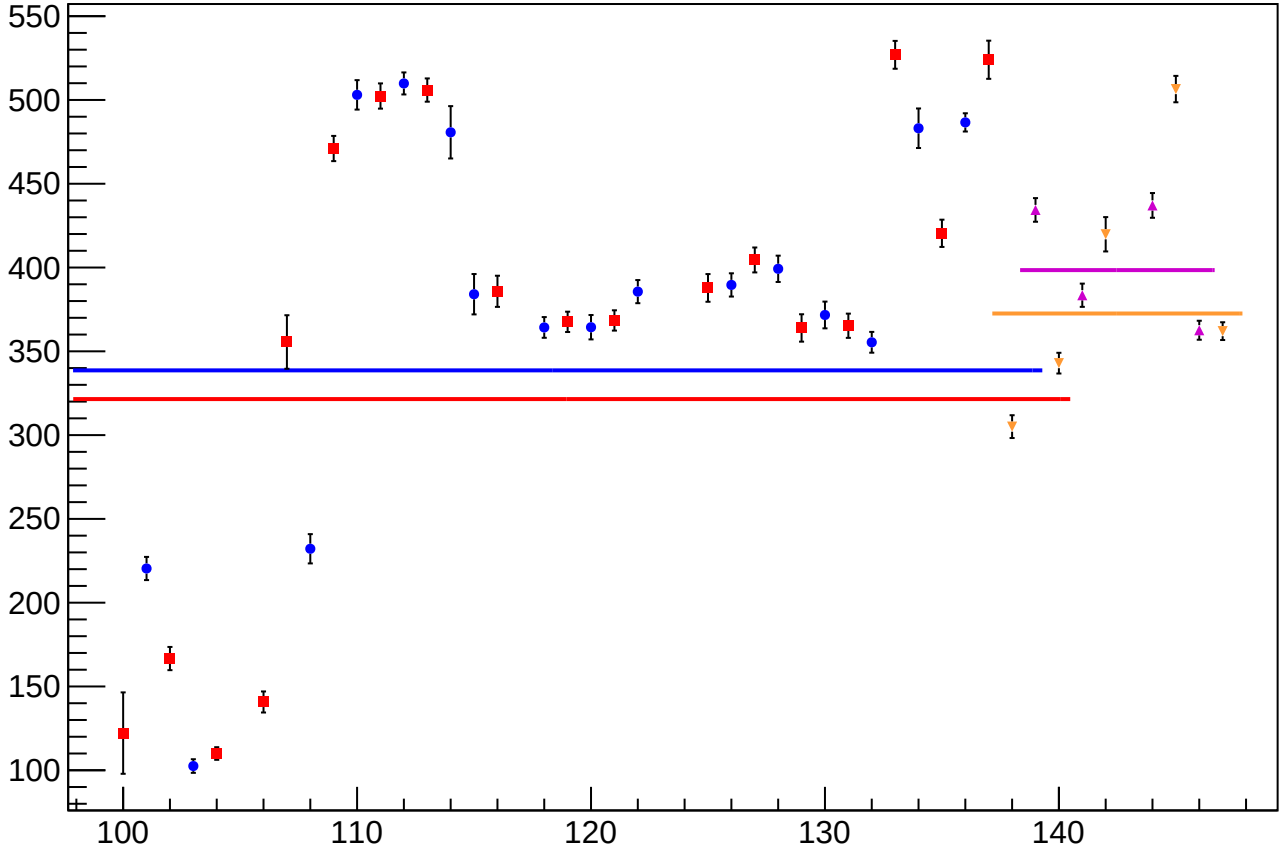
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 23.562+/-1.341 χ^2/NDF:138.7/19

Out: 25.490+/-1.228 χ^2/NDF:260.7/22

All: 24.611+/-0.905 χ^2/NDF: 400.5/42

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: 372.566+/-3.029 χ^2/NDF:435.7/4

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 398.464+/-3.326 χ^2/NDF:98.0/3

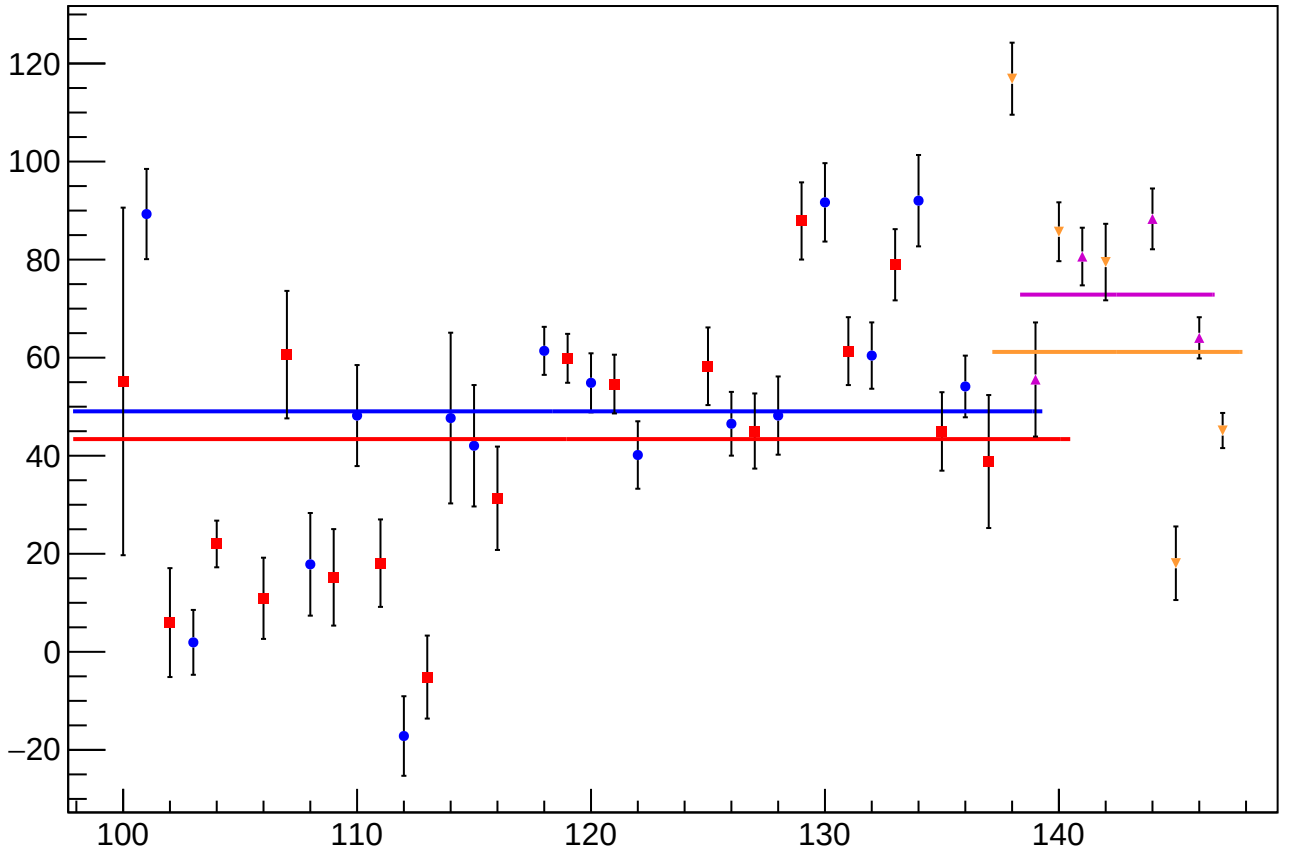
Left: 384.306+/-2.240 χ^2/NDF: 566.9/8

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 351.583+/-1.548 χ^2/NDF:6394.2/19

Out: 333.669+/-1.479 χ^2/NDF:8373.0/22

All: 342.218+/-1.069 χ^2/NDF: 14837.2/42



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 61.174+/-2.514 χ^2/NDF:132.7/4

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.860+/-2.900 χ^2/NDF:14.6/3

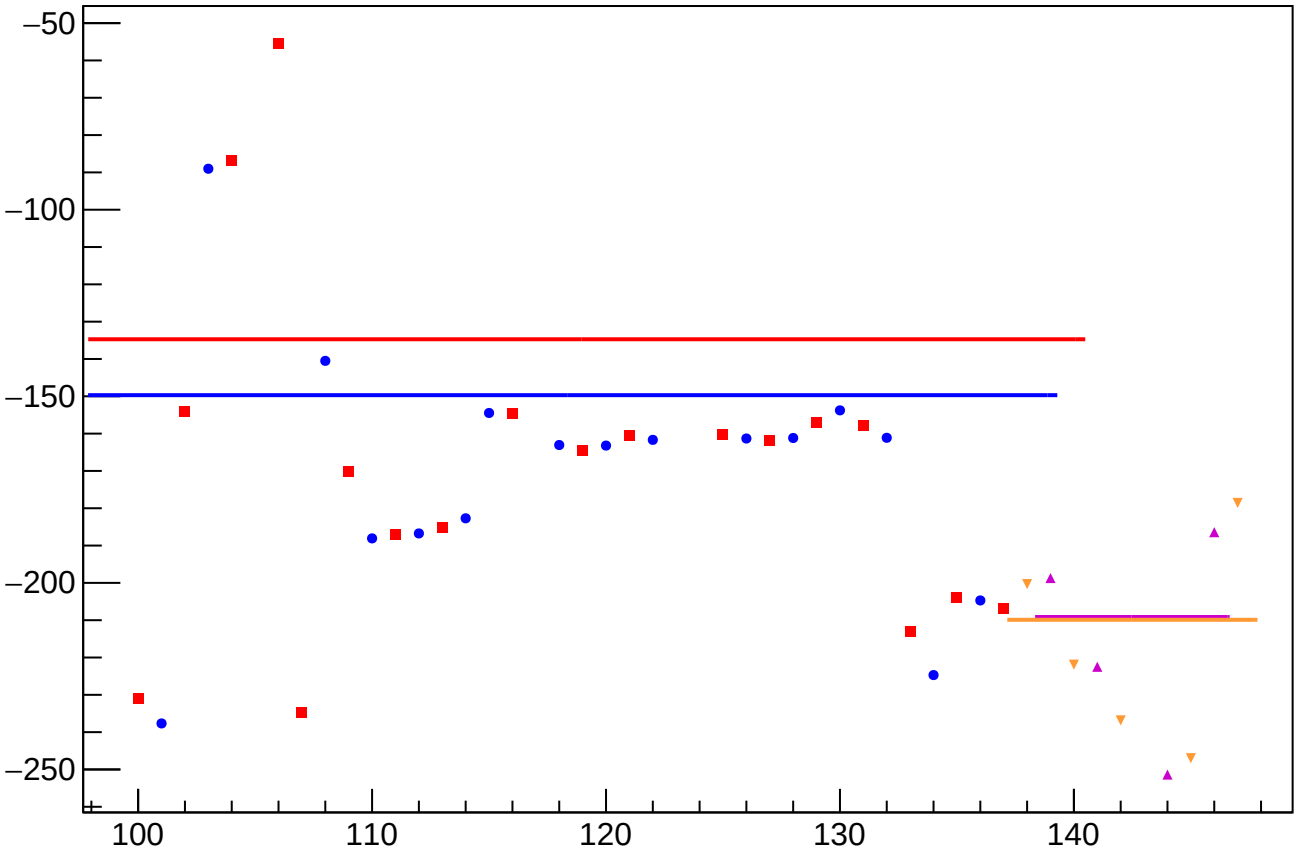
Left: 66.187+/-1.899 χ^2/NDF: 156.5/8

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 56.111+/-1.579 χ^2/NDF:269.9/19

Out: 49.568+/-1.481 χ^2/NDF:345.3/22

All: 52.631+/-1.080 χ^2/NDF: 624.4/42



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -209.892+/-0.129 χ^2/NDF:39001.2/4

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -209.146+/-0.136 χ^2/NDF:28874.8/3

Left: -209.539+/-0.093 χ^2/NDF: 67891.9/8

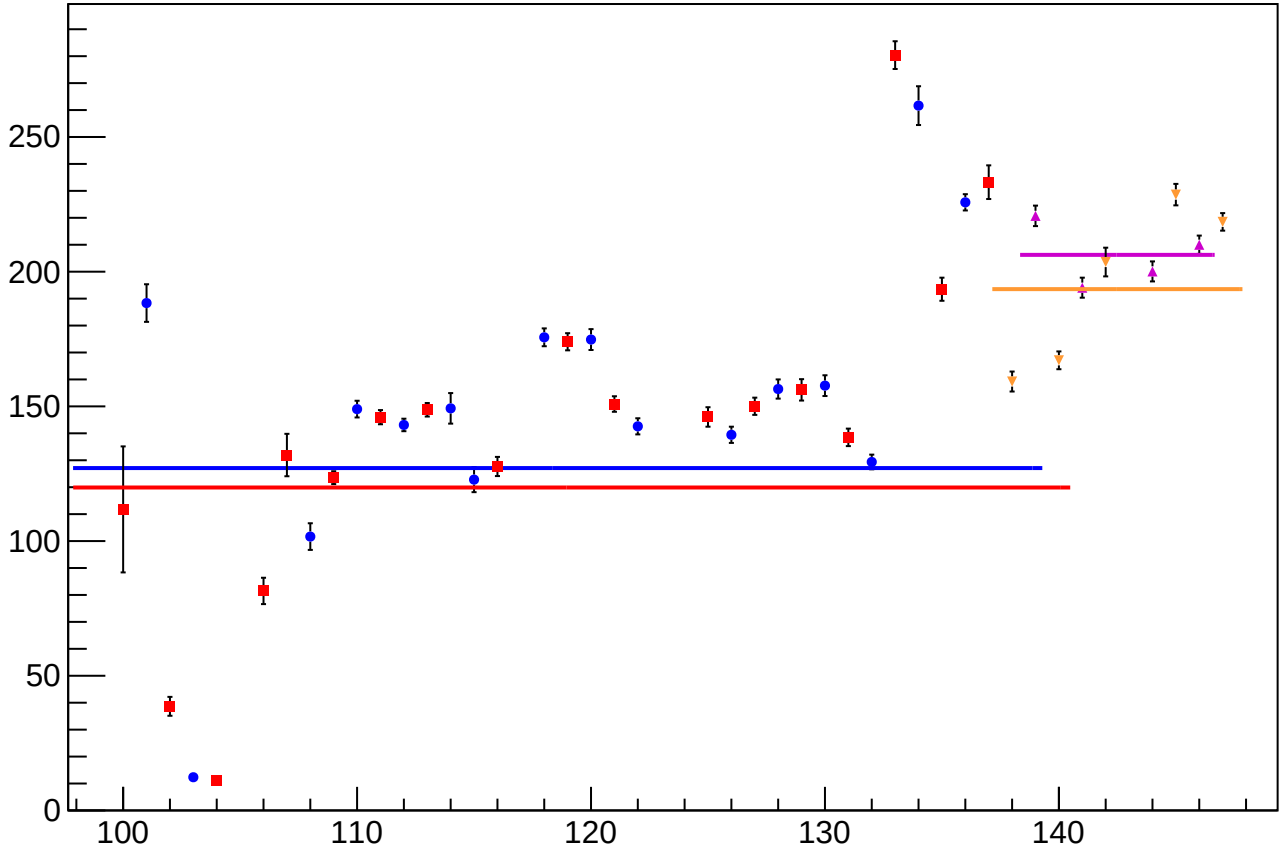
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -170.813+/-0.081 χ^2/NDF:408837.0/19

Out: -161.956+/-0.077 χ^2/NDF:569313.8/22

All: -166.189+/-0.056 χ^2/NDF: 984400.1/42

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: 193.525+/-1.674 χ^2/NDF:289.5/4

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 206.243+/-1.824 χ^2/NDF:29.2/3

Left: 199.340+/-1.233 χ^2/NDF: 345.1/8

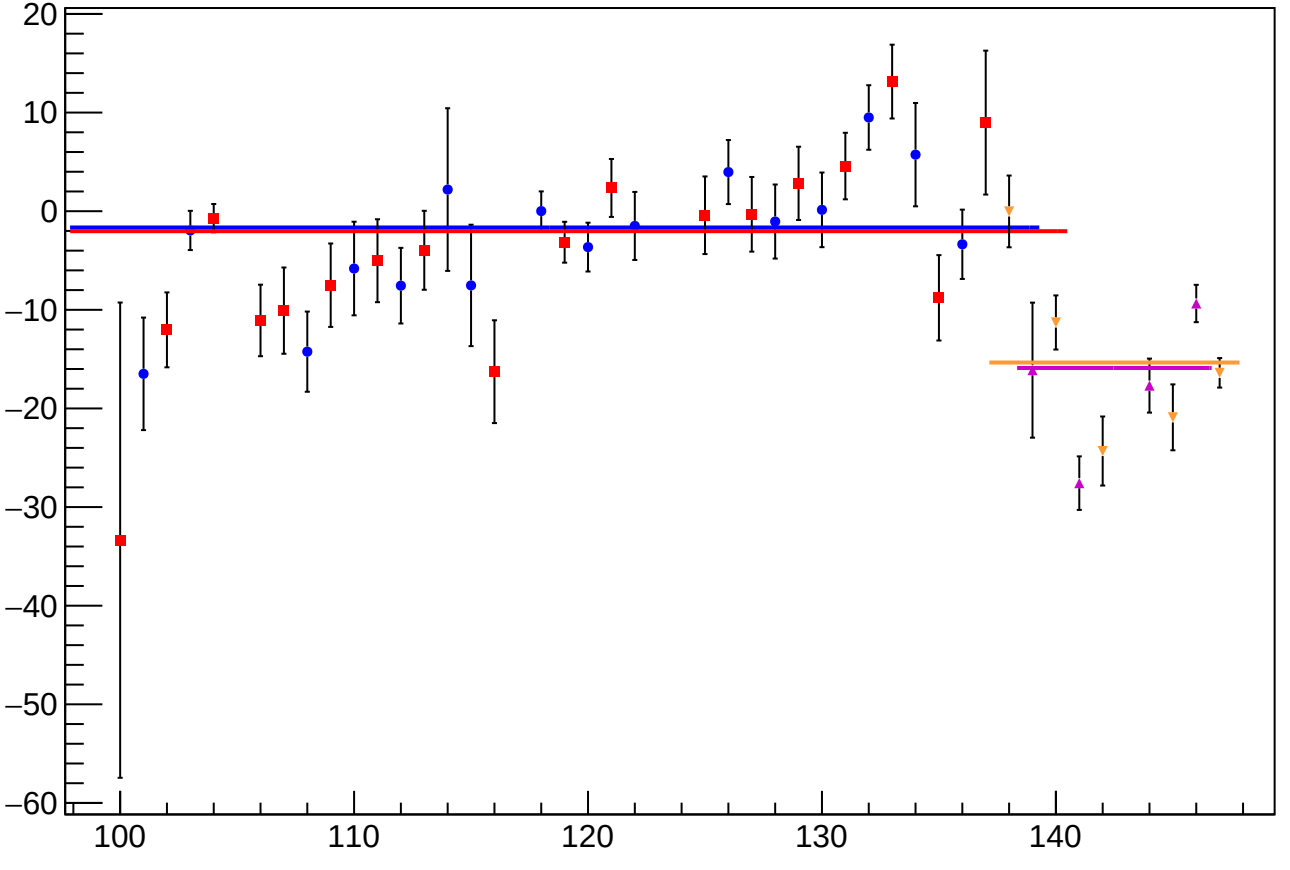
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 140.164+/-0.741 χ^2/NDF:7765.1/19

Out: 132.864+/-0.703 χ^2/NDF:8533.4/22

All: 136.321+/-0.510 χ^2/NDF: 16349.6/42

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: -15.343+/-1.100 χ^2/NDF:29.8/4

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.897+/-1.325 χ^2/NDF:30.9/3

Left: -15.569+/-0.846 χ^2/NDF: 60.7/8

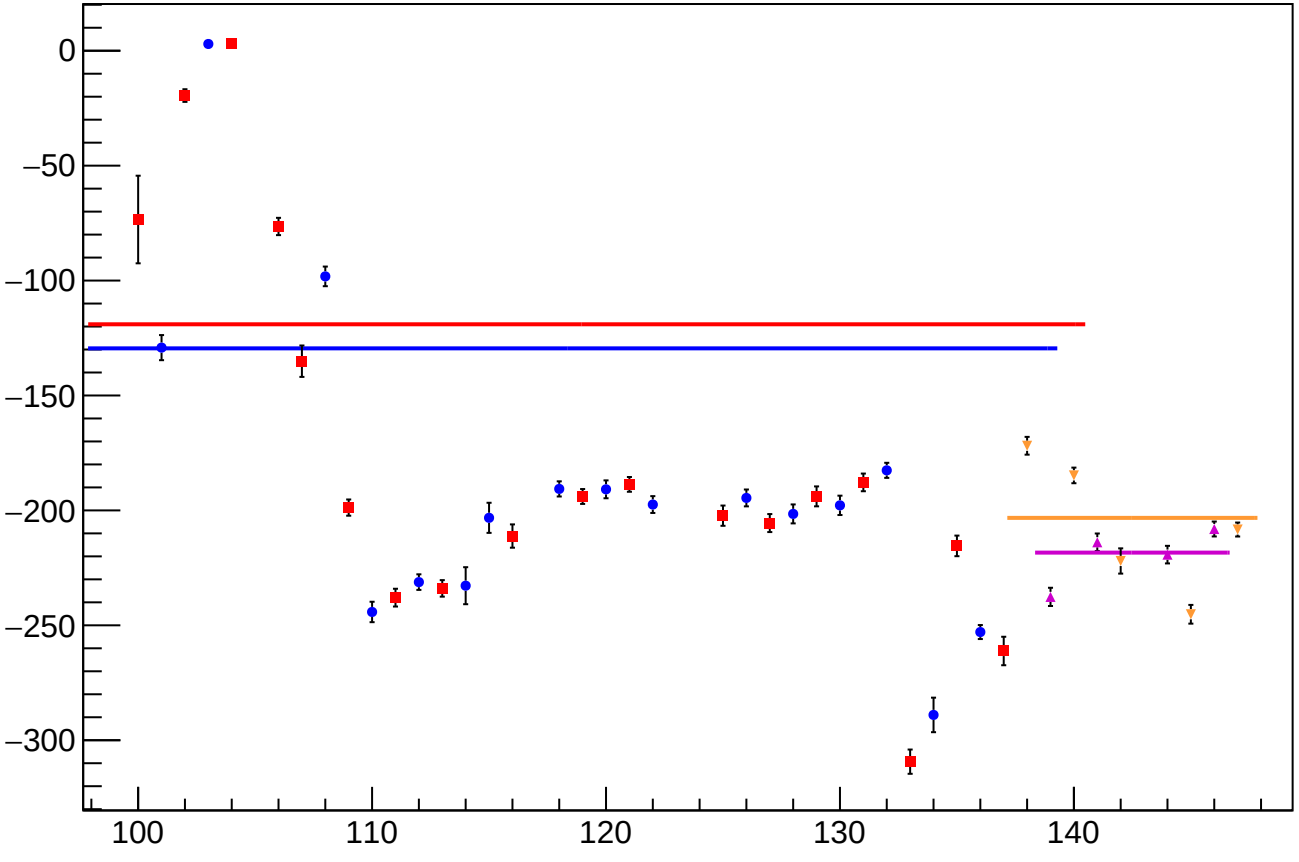
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.686+/-0.705 χ^2/NDF:152.8/19

Out: -6.406+/-0.631 χ^2/NDF:186.6/22

All: -6.086+/-0.470 χ^2/NDF: 340.0/42

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: -203.252+/-1.678 χ^2/NDF:215.8/4

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -218.366+/-1.839 χ^2/NDF:35.1/3

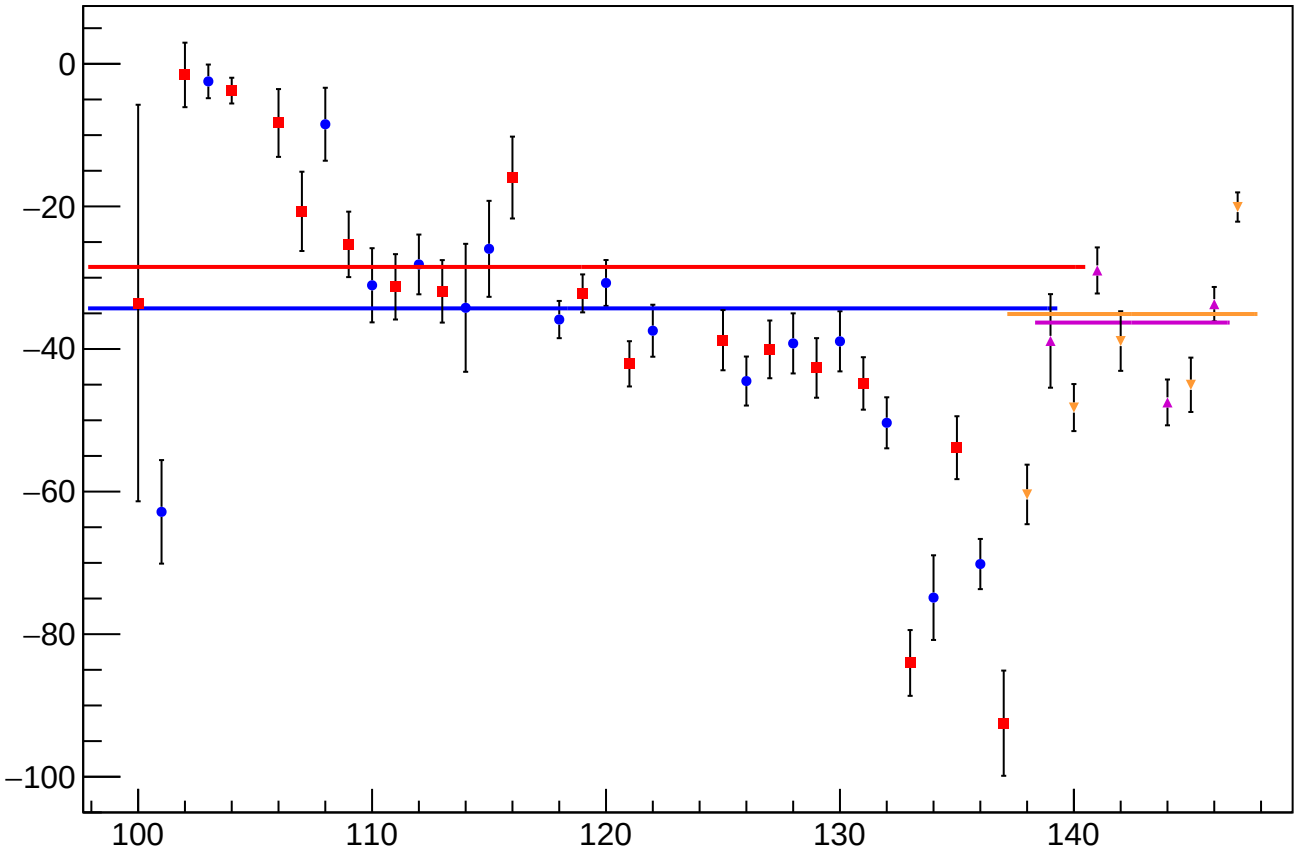
Left: -210.116+/-1.239 χ^2/NDF: 287.8/8

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -145.029+/-0.769 χ^2/NDF:16649.7/19

Out: -135.034+/-0.731 χ^2/NDF:18434.7/22

All: -139.782+/-0.530 χ^2/NDF: 35173.0/42



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -35.093+/-1.397 χ^2/NDF:113.5/4

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -36.293+/-1.606 χ^2/NDF:18.6/3

Left: -35.610+/-1.054 χ^2/NDF: 132.4/8

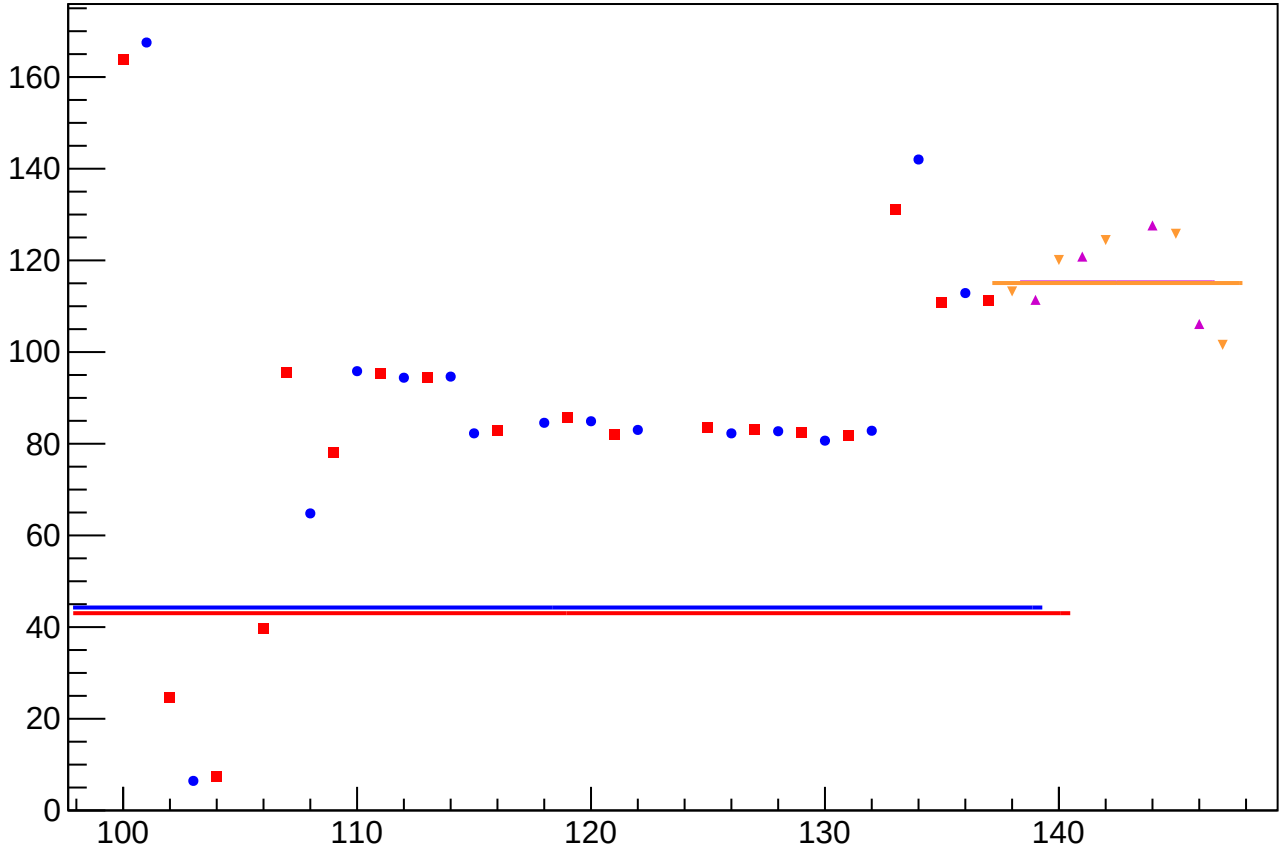
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -34.831+/-0.829 χ^2/NDF:431.0/19

Out: -30.446+/-0.761 χ^2/NDF:697.3/22

All: -32.451+/-0.560 χ^2/NDF: 1143.5/42

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: 115.061+/-0.071 χ^2/NDF:17358.6/4

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 115.189+/-0.075 χ^2/NDF:11505.0/3

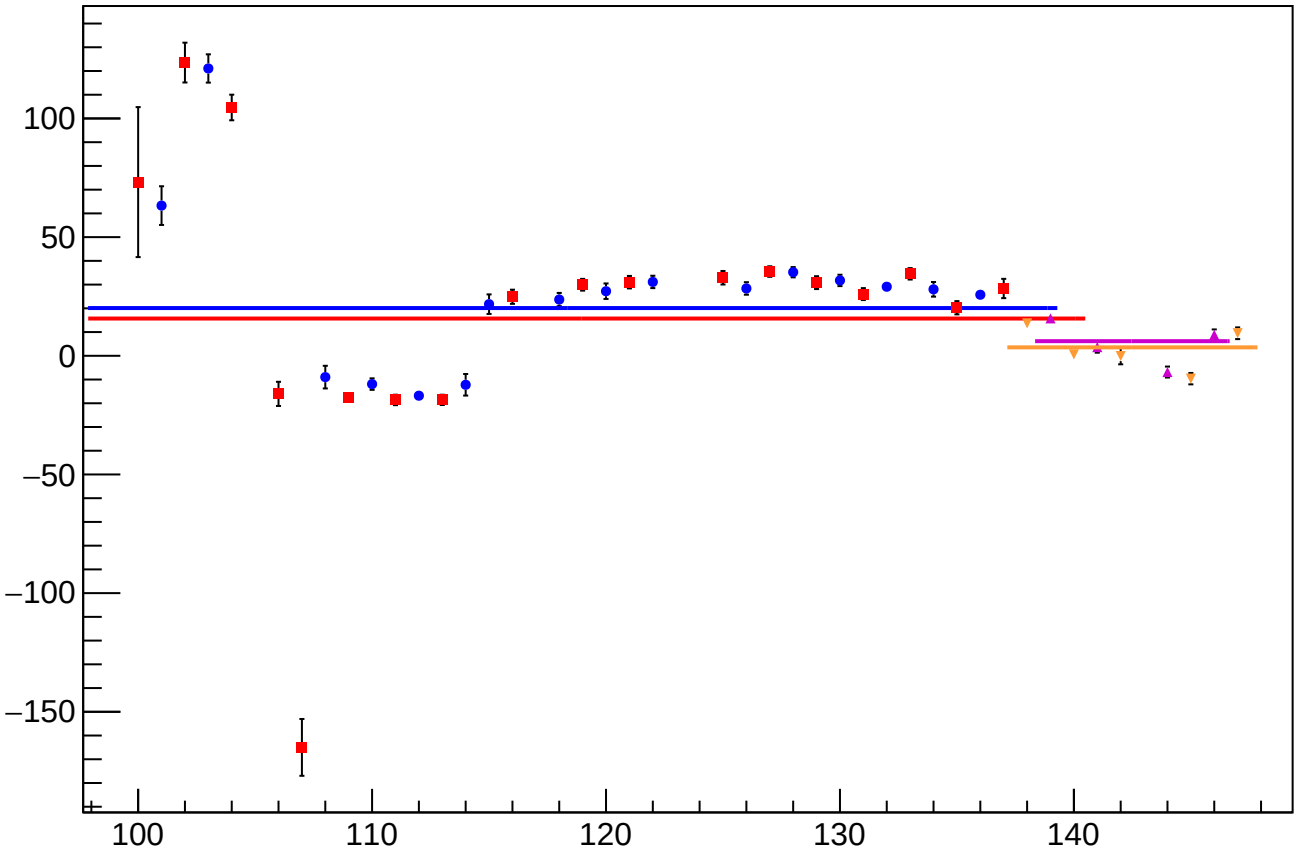
Left: 115.121+/-0.052 χ^2/NDF: 28865.1/8

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 62.892+/-0.039 χ^2/NDF:1750269.1/19

Out: 63.646+/-0.038 χ^2/NDF:1554408.6/22

All: 63.274+/-0.027 χ^2/NDF: 3304871.4/42



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 3.553+/-1.065 χ^2/NDF:62.6/4

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.164+/-1.111 χ^2/NDF:57.2/3

Left: 4.802+/-0.769 χ^2/NDF: 122.7/8

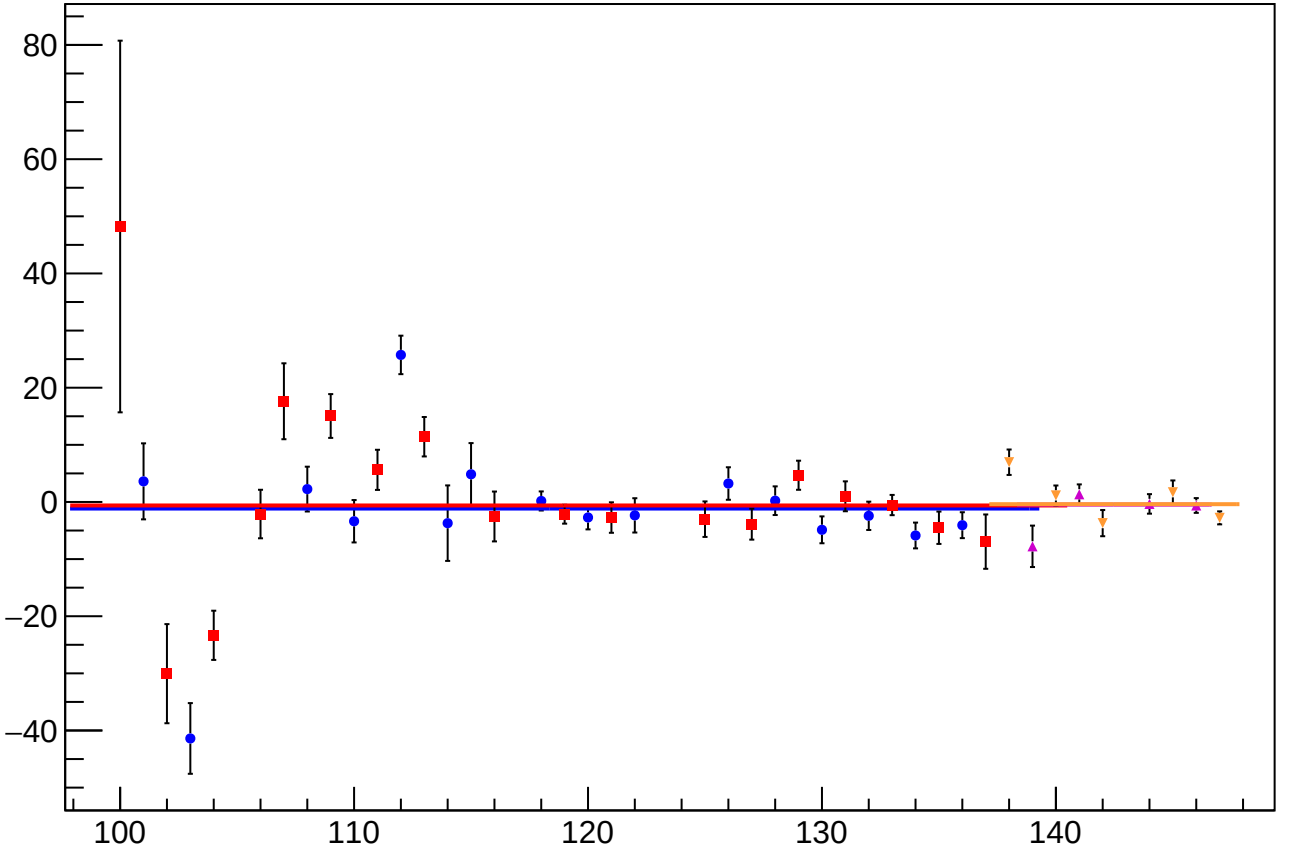
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 16.258+/-0.584 χ^2/NDF:1219.4/19

Out: 12.165+/-0.574 χ^2/NDF:1928.7/22

All: 14.176+/-0.410 χ^2/NDF: 3173.0/42

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.387+/-0.761 χ^2/NDF:19.2/4

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.463+/-0.860 χ^2/NDF:5.2/3

Left: -0.420+/-0.570 χ^2/NDF: 24.4/8

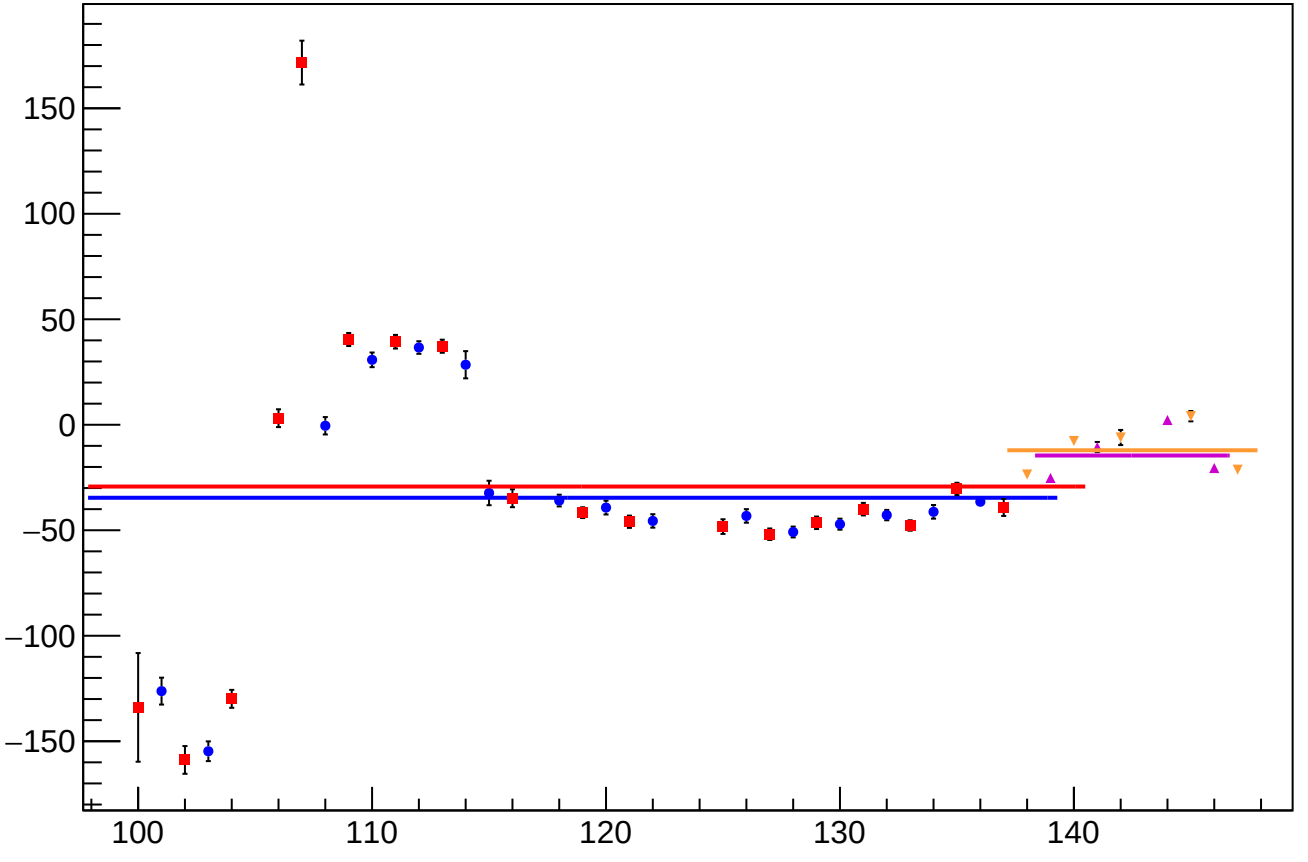
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.877+/-0.542 χ^2/NDF:127.4/19

Out: -0.508+/-0.520 χ^2/NDF:112.6/22

All: -0.685+/-0.376 χ^2/NDF: 240.3/42

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: -12.090+/-1.076 χ^2/NDF:94.5/4

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -14.576+/-1.127 χ^2/NDF:86.2/3

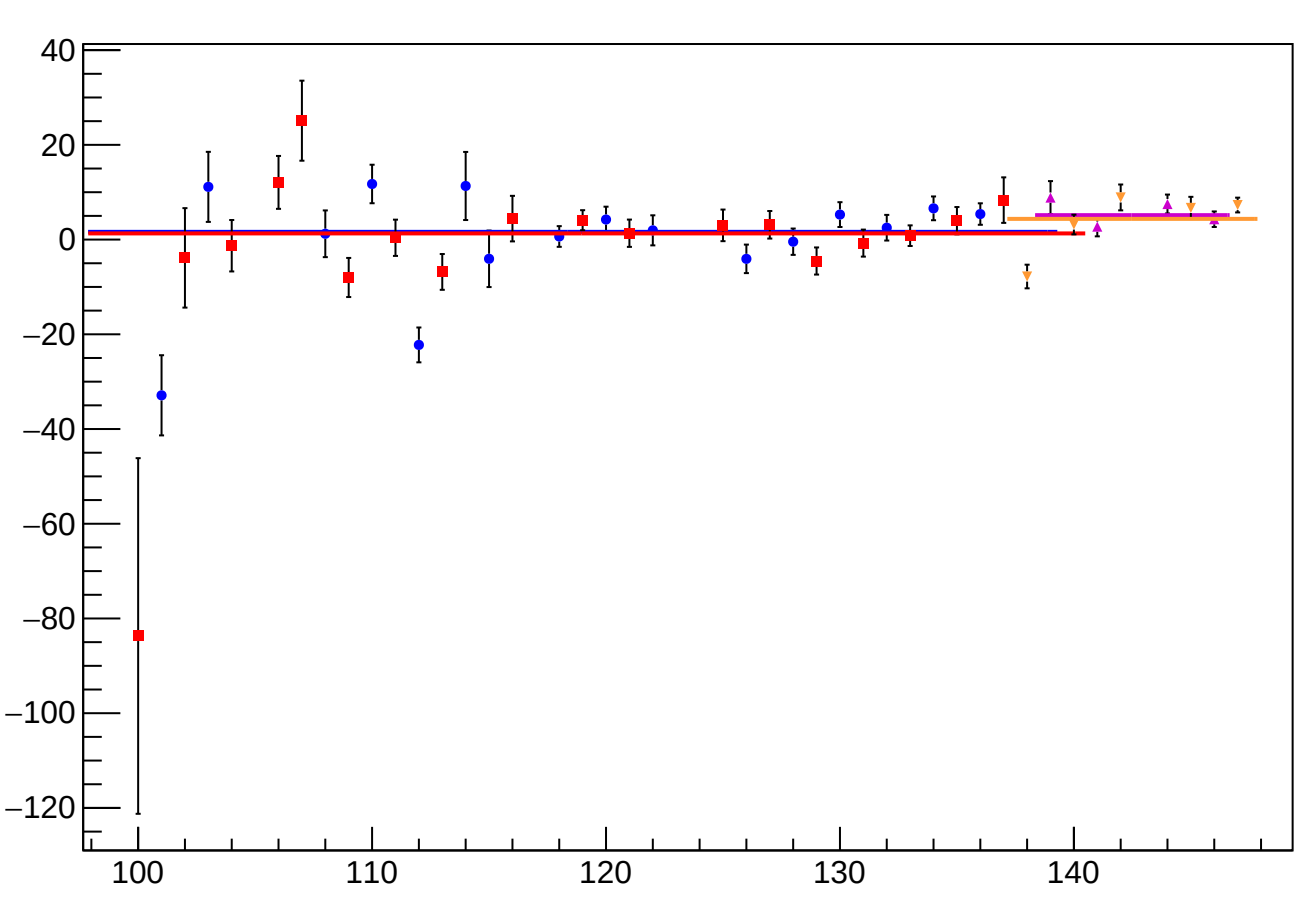
Left: -13.276+/-0.778 χ^2/NDF: 183.2/8

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -28.043+/-0.645 χ^2/NDF:2357.0/19

Out: -23.160+/-0.642 χ^2/NDF:3339.9/22

All: -25.590+/-0.455 χ^2/NDF: 5725.7/42



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.371+/-0.945 χ^2/NDF:31.3/4

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 5.156+/-1.030 χ^2/NDF:4.2/3

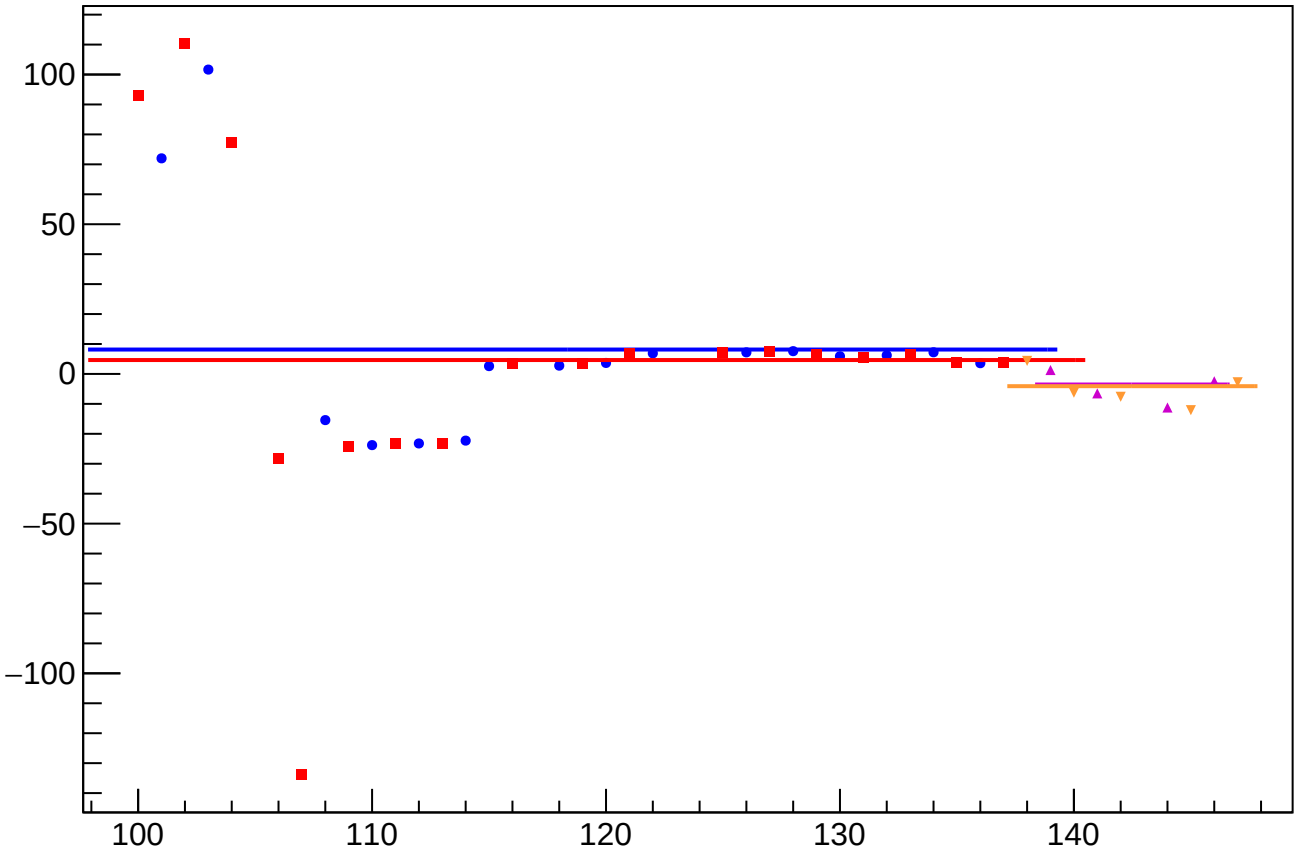
Left: 4.729+/-0.696 χ^2/NDF: 35.8/8

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.950+/-0.630 χ^2/NDF:94.8/19

Out: 2.612+/-0.618 χ^2/NDF:74.9/22

All: 2.778+/-0.441 χ^2/NDF: 169.9/42



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -4.093+/-0.045 χ^2/NDF:17927.8/4

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.537+/-0.045 χ^2/NDF:10475.3/3

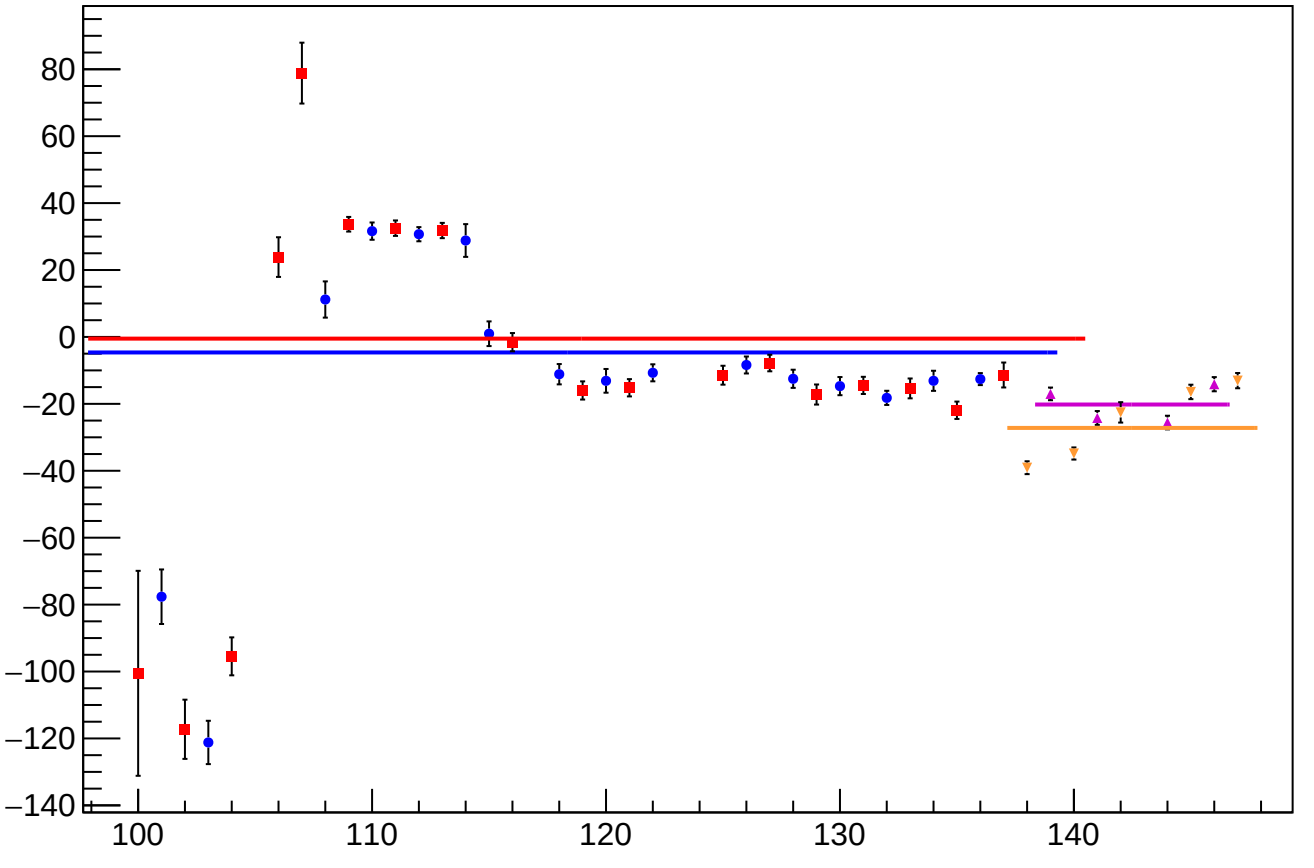
Left: -3.819+/-0.032 χ^2/NDF: 28478.9/8

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 1.938+/-0.033 χ^2/NDF:354824.2/19

Out: -0.351+/-0.034 χ^2/NDF:481037.4/22

All: 0.818+/-0.024 χ^2/NDF: 838197.9/42



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -27.193+/-0.959 χ^2/NDF:121.6/4

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -20.200+/-1.012 χ^2/NDF:21.8/3

Left: -23.885+/-0.696 χ^2/NDF: 168.5/8

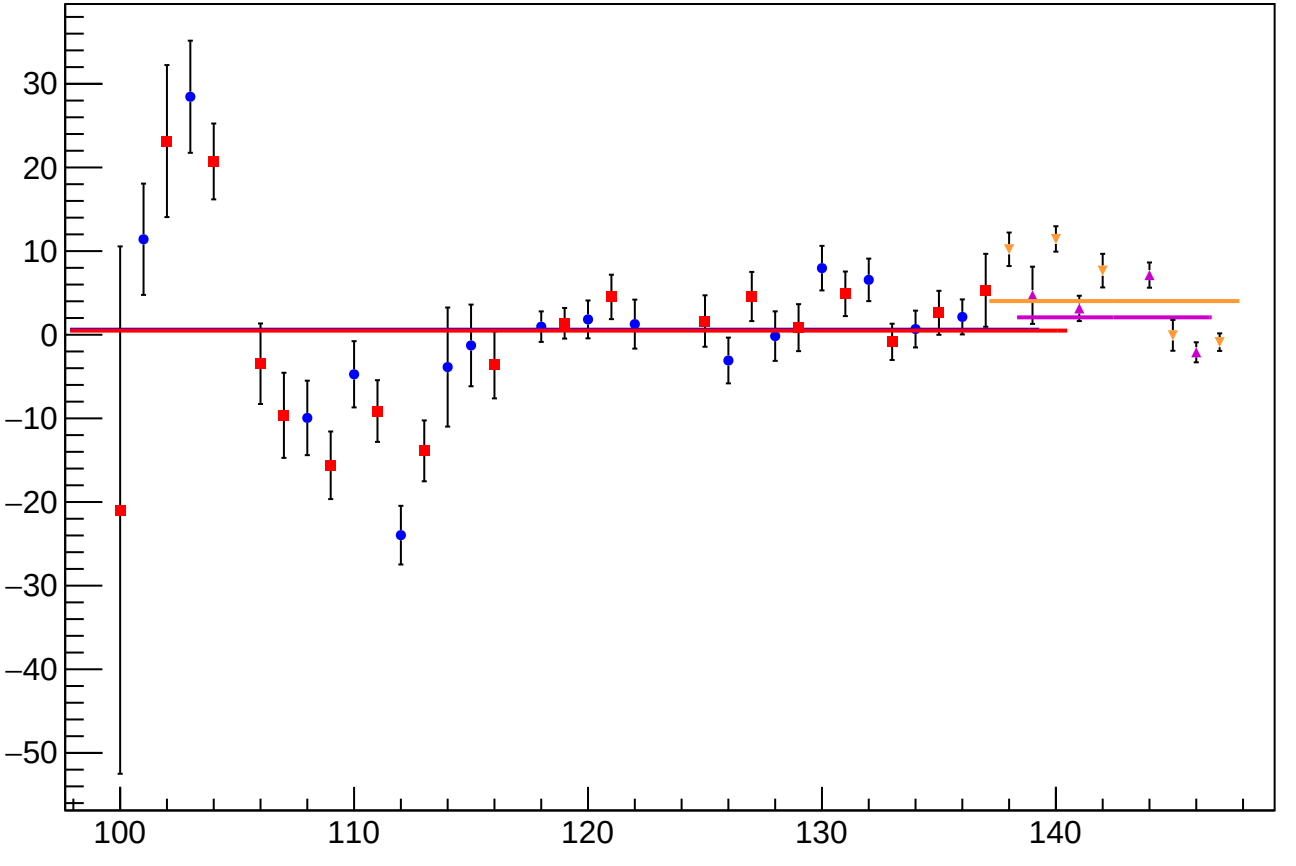
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -9.789+/-0.582 χ^2/NDF:1226.3/19

Out: -9.974+/-0.571 χ^2/NDF:2079.5/22

All: -9.883+/-0.408 χ^2/NDF: 3305.8/42

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: 4.027+/-0.685 χ^2/NDF:63.6/4

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 2.079+/-0.777 χ^2/NDF:24.5/3

Left: 3.175+/-0.514 χ^2/NDF: 91.7/8

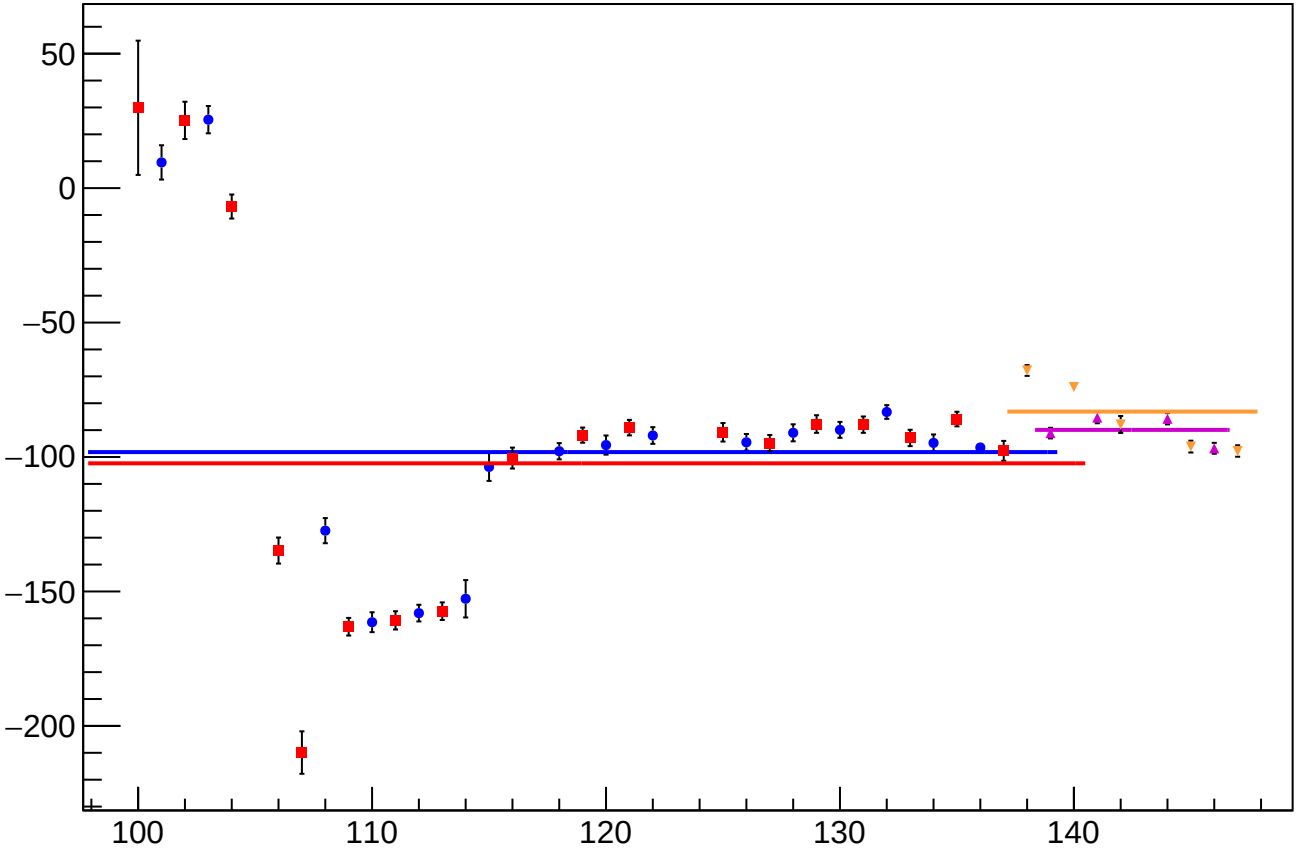
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.292+/-0.531 χ^2/NDF:119.3/19

Out: 2.434+/-0.507 χ^2/NDF:155.8/22

All: 1.889+/-0.367 χ^2/NDF: 277.5/42

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: -83.112+/-0.970 χ^2/NDF:166.6/4

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -89.914+/-1.026 χ^2/NDF:20.3/3

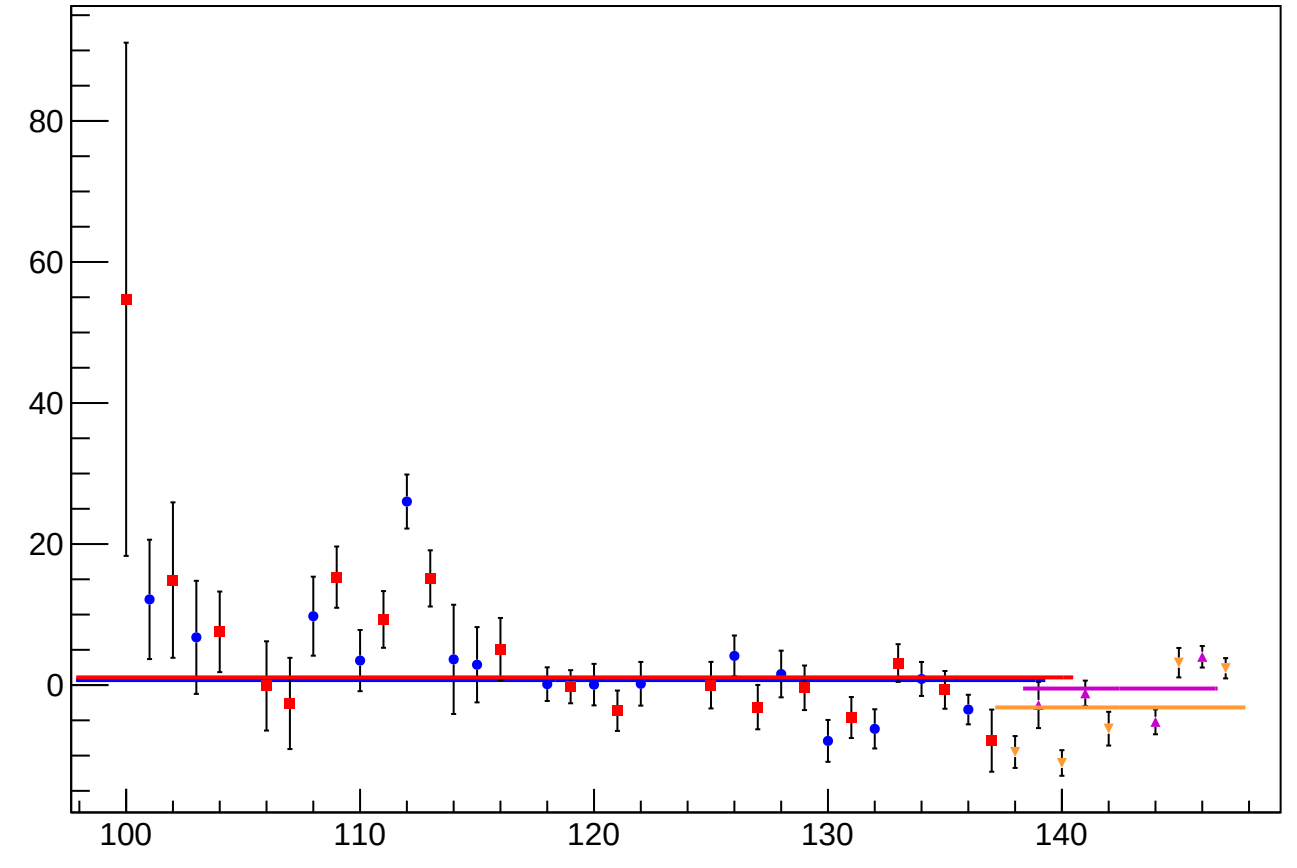
Left: -86.320+/-0.705 χ^2/NDF: 210.1/8

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -94.988+/-0.637 χ^2/NDF:1760.0/19

Out: -94.138+/-0.634 χ^2/NDF:2509.6/22

All: -94.560+/-0.449 χ^2/NDF: 4270.5/42



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -3.174+/-0.850 χ^2/NDF:52.3/4

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.490+/-0.931 χ^2/NDF:16.5/3

Left: -1.955+/-0.628 χ^2/NDF: 73.4/8

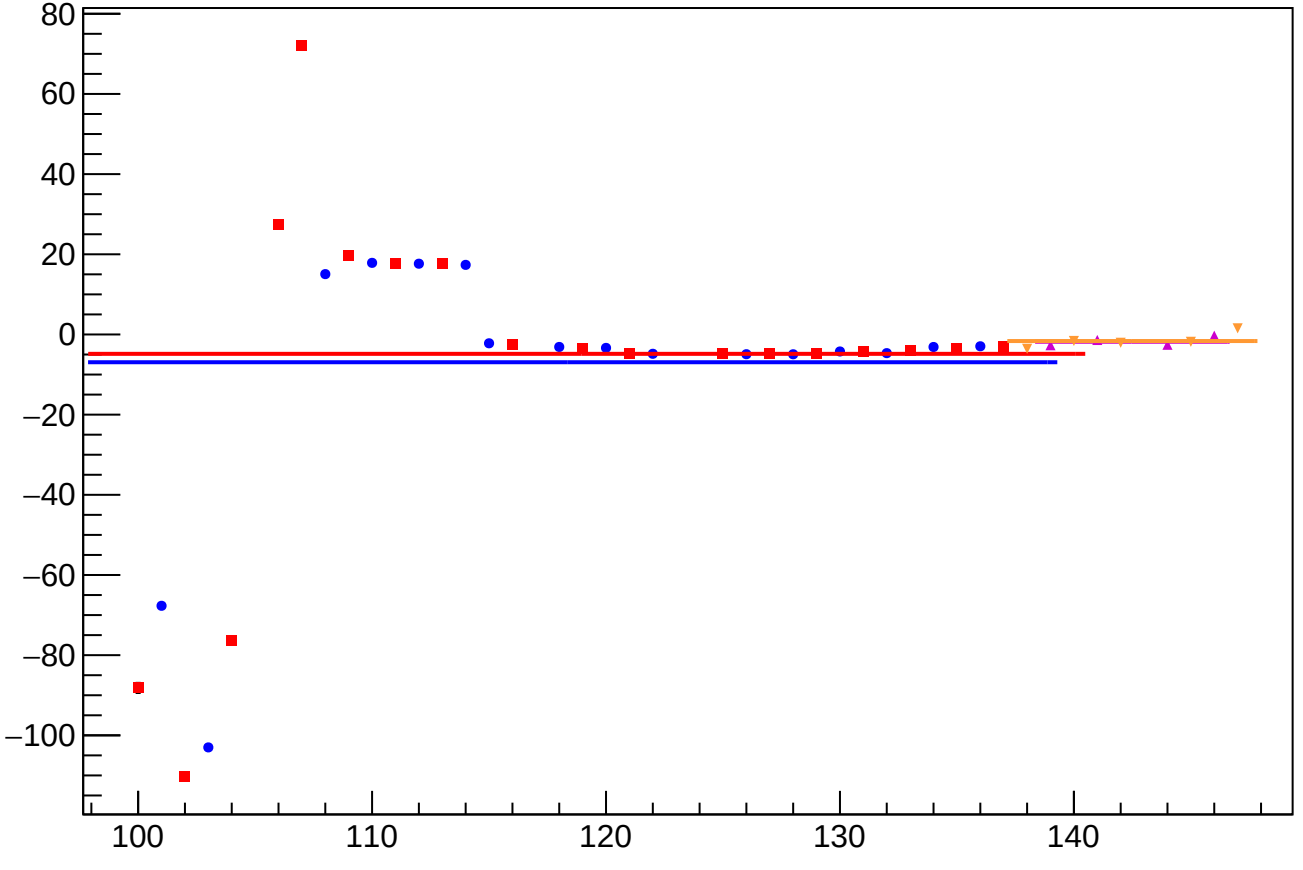
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.185+/-0.616 χ^2/NDF:87.1/19

Out: -1.060+/-0.603 χ^2/NDF:112.5/22

All: -0.451+/-0.431 χ^2/NDF: 201.6/42

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -1.641+/-0.040 χ^2/NDF:1740.0/4

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -1.821+/-0.042 χ^2/NDF:544.9/3

Left: -1.729+/-0.029 χ^2/NDF: 2294.6/8

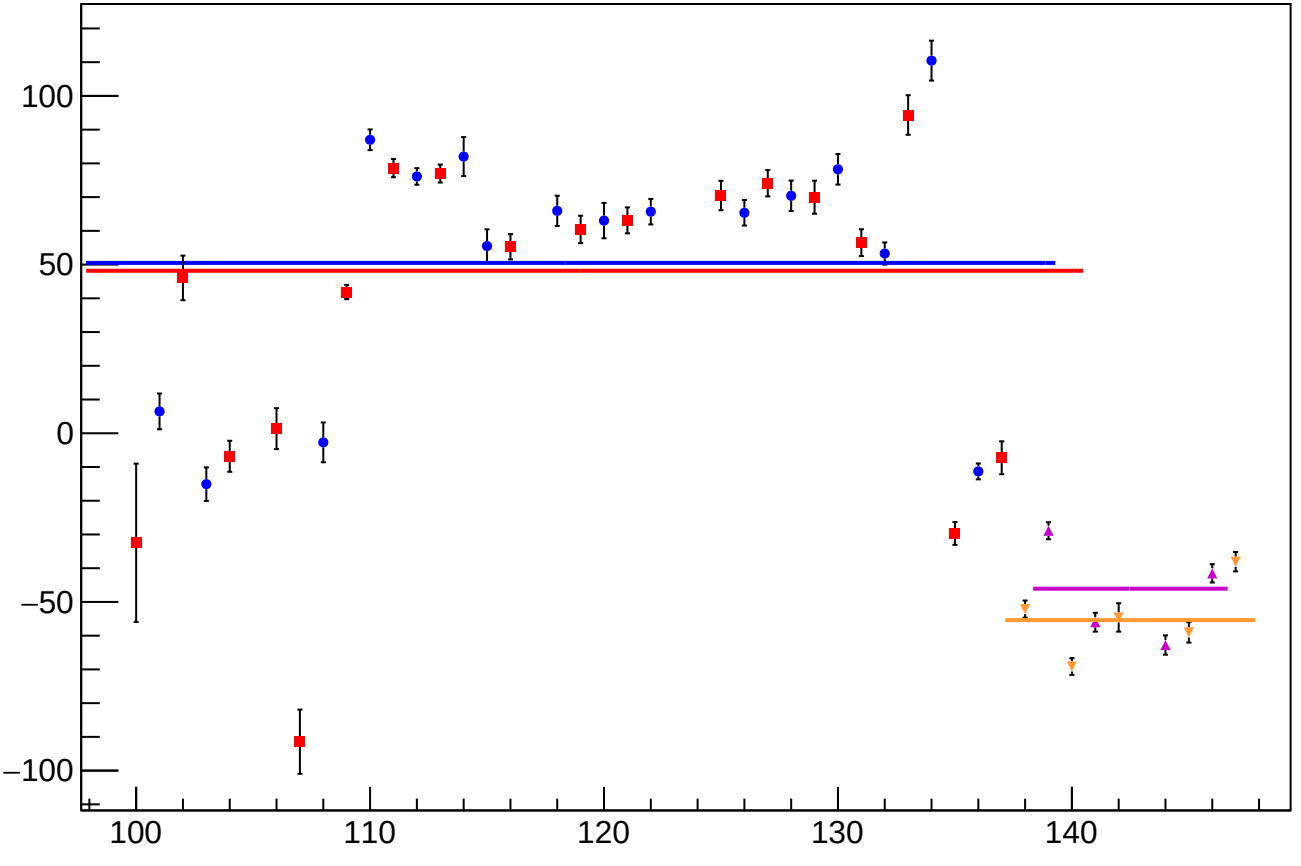
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -3.980+/-0.032 χ^2/NDF:272121.5/19

Out: -2.822+/-0.032 χ^2/NDF:343405.5/22

All: -3.411+/-0.023 χ^2/NDF: 616188.5/42

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: -55.383+/-1.288 χ^2/NDF:69.9/4

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -46.073+/-1.359 χ^2/NDF:95.8/3

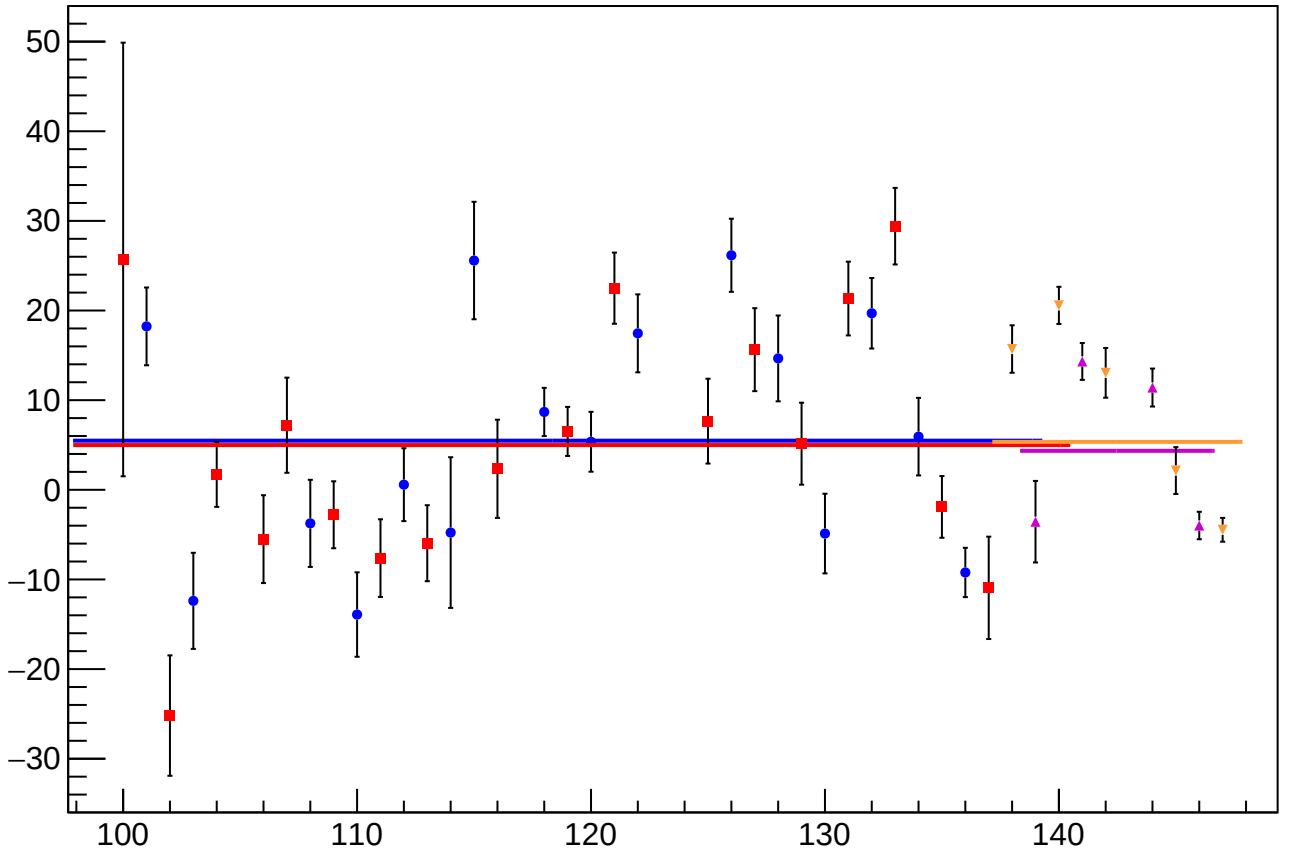
Left: -50.978+/-0.935 χ^2/NDF: 190.4/8

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 18.102+/-0.787 χ^2/NDF:4957.3/19

Out: 13.461+/-0.745 χ^2/NDF:5889.4/22

All: 15.656+/-0.541 χ^2/NDF: 10865.1/42



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 5.347+/-0.906 χ^2/NDF:133.0/4

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 4.348+/-1.034 χ^2/NDF:67.4/3

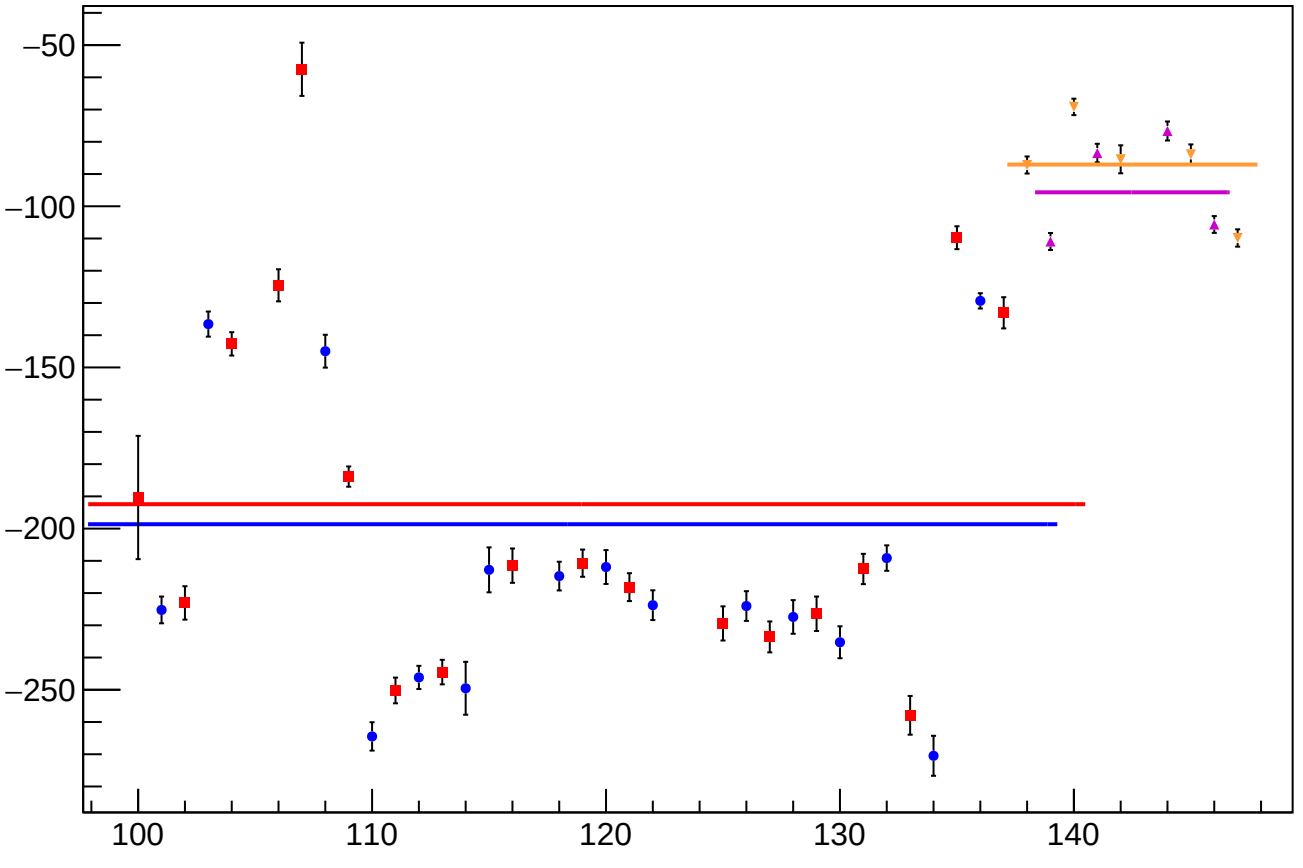
Left: 4.913+/-0.681 χ^2/NDF: 200.9/8

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 4.921+/-0.727 χ^2/NDF:206.1/19

Out: 5.191+/-0.678 χ^2/NDF:264.9/22

All: 5.065+/-0.496 χ^2/NDF: 471.1/42



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -87.056+/-1.299 χ^2/NDF:122.0/4

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -95.670+/-1.376 χ^2/NDF:107.9/3

Left: -91.116+/-0.945 χ^2/NDF: 250.7/8

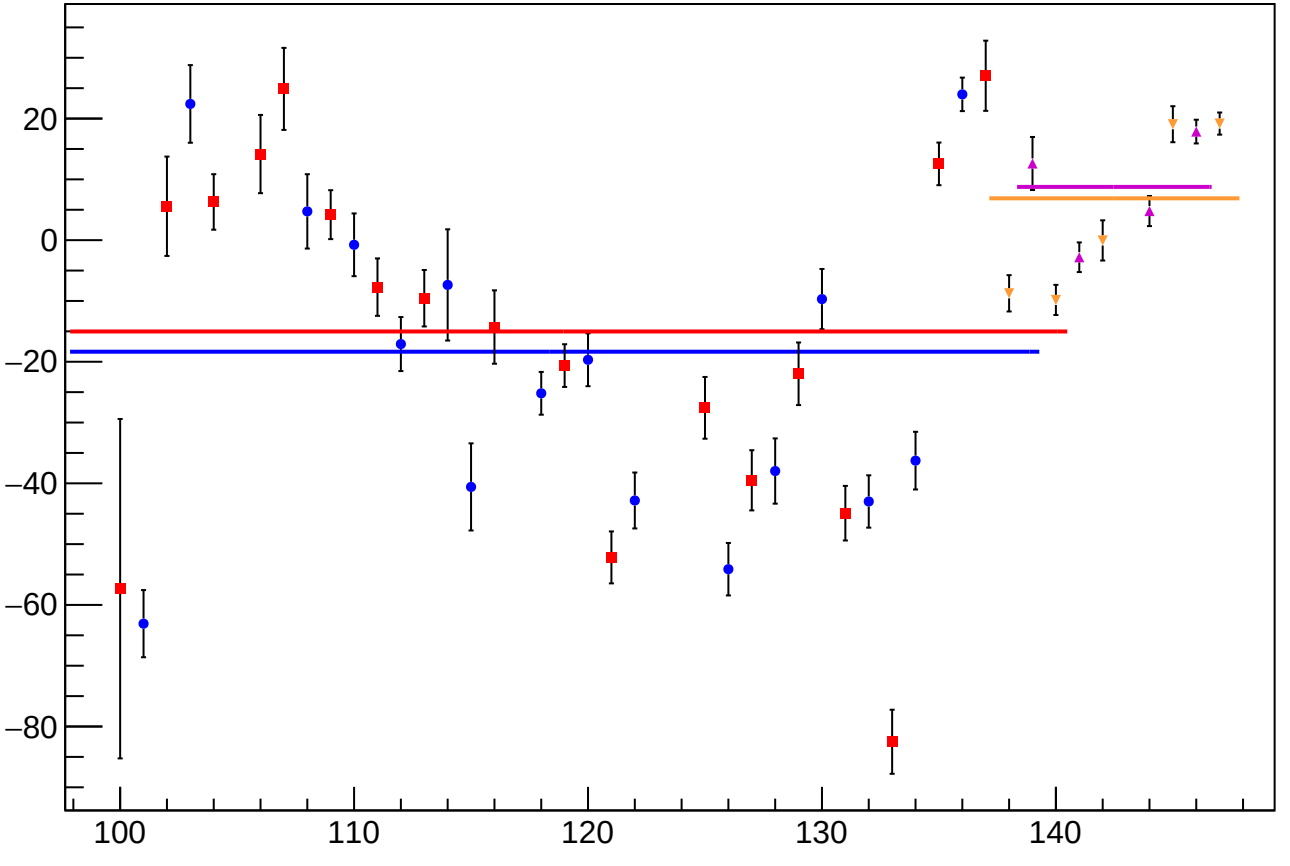
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -159.240+/-0.851 χ^2/NDF:5566.8/19

Out: -149.383+/-0.830 χ^2/NDF:6151.3/22

All: -154.190+/-0.594 χ^2/NDF: 11786.8/42

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 6.881+/-1.131 χ^2/NDF:139.7/4

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 8.761+/-1.243 χ^2/NDF:47.7/3

Left: 7.732+/-0.837 χ^2/NDF: 188.6/8

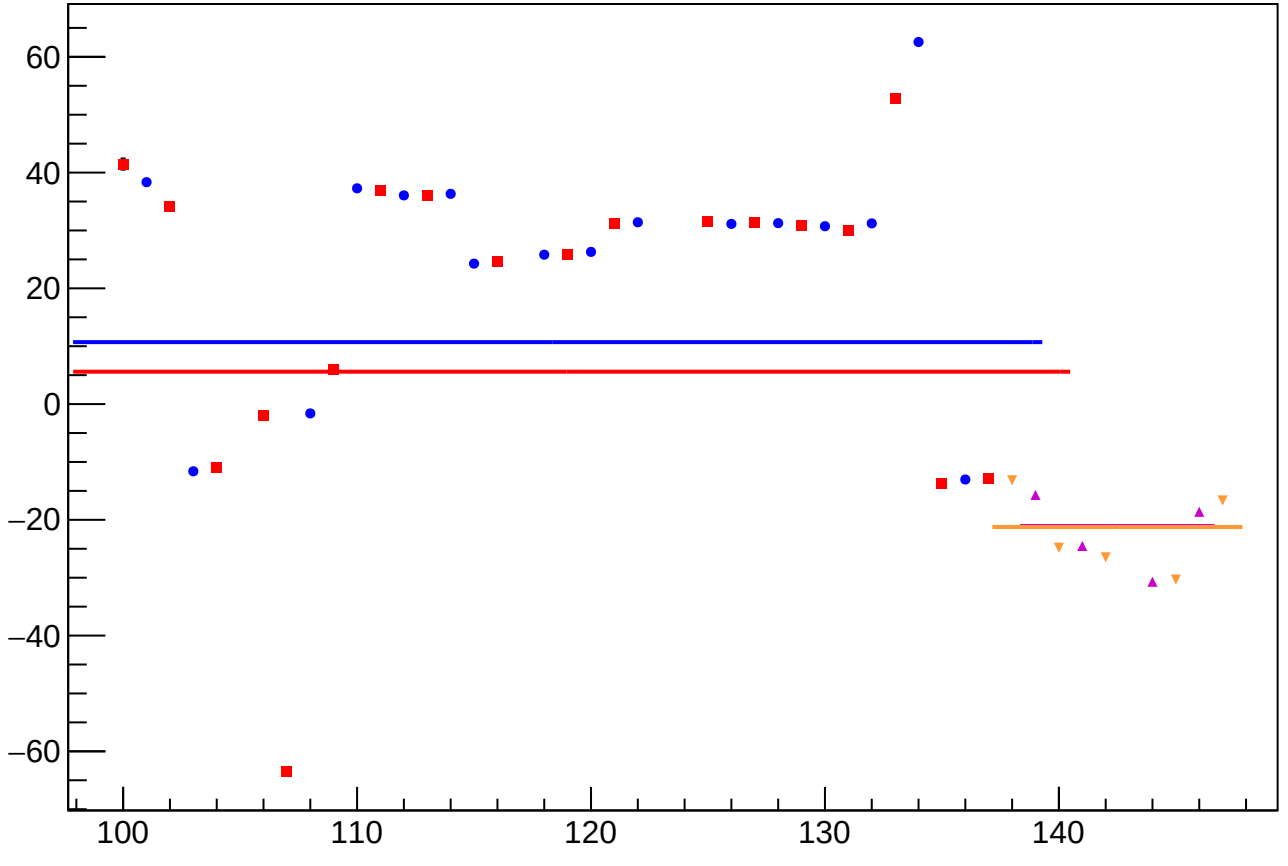
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -5.741+/-0.848 χ^2/NDF:845.8/19

Out: -3.777+/-0.810 χ^2/NDF:868.6/22

All: -4.715+/-0.586 χ^2/NDF: 1717.2/42

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: -21.238+/-0.054 χ^2/NDF:14905.5/4

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -21.068+/-0.056 χ^2/NDF:9943.1/3

Left: -21.155+/-0.039 χ^2/NDF: 24853.4/8

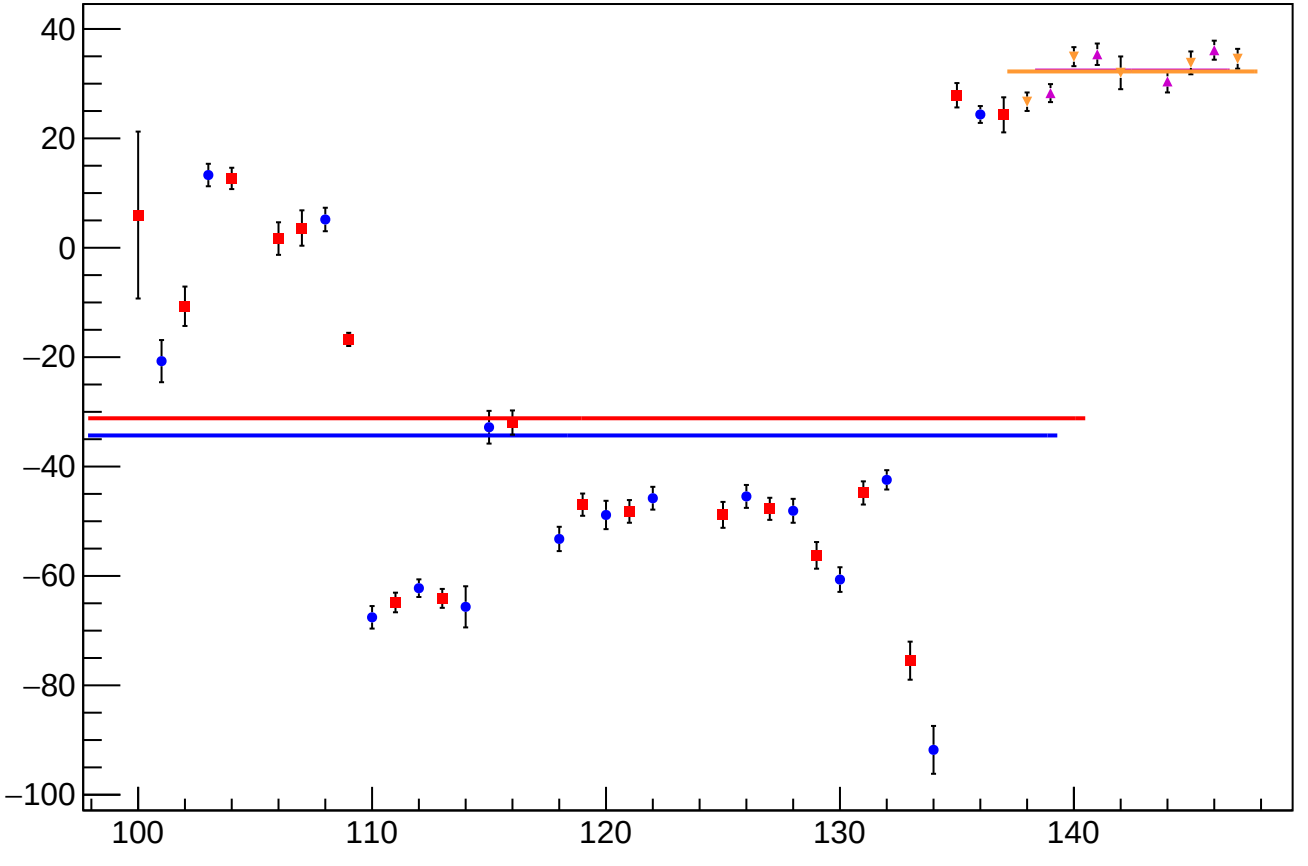
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -7.135+/-0.042 χ^2/NDF:318048.4/19

Out: -9.932+/-0.041 χ^2/NDF:272827.6/22

All: -8.546+/-0.029 χ^2/NDF: 593150.6/42

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 32.233+/-0.868 χ^2/NDF:15.4/4

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.398+/-0.912 χ^2/NDF:14.1/3

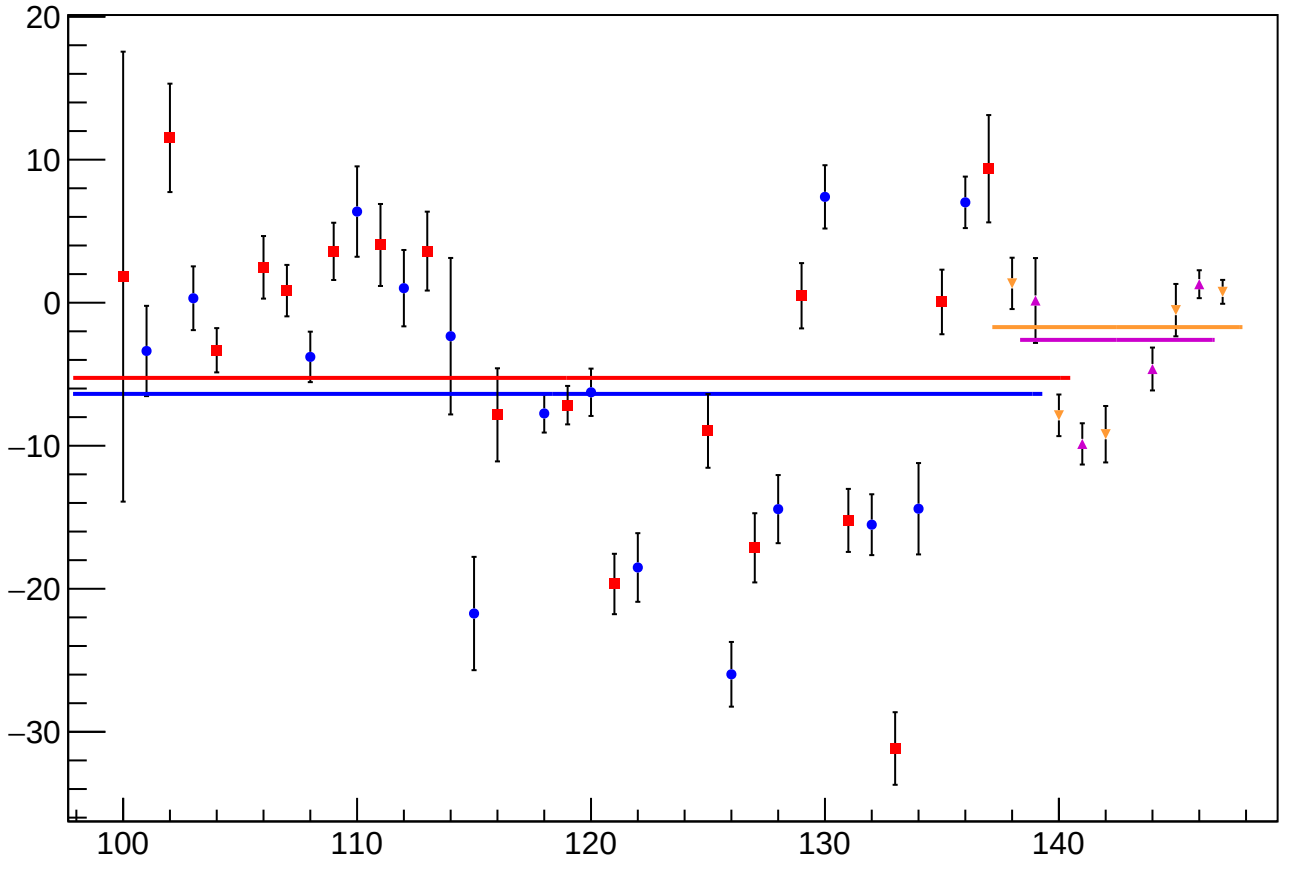
Left: 32.312+/-0.629 χ^2/NDF: 29.5/8

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -16.625+/-0.470 χ^2/NDF:7447.6/19

Out: -14.636+/-0.443 χ^2/NDF:7158.5/22

All: -15.573+/-0.322 χ^2/NDF: 14615.6/42



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.706+/-0.601 χ^2/NDF:44.4/4

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -2.599+/-0.692 χ^2/NDF:44.0/3

Left: -2.090+/-0.454 χ^2/NDF: 89.4/8

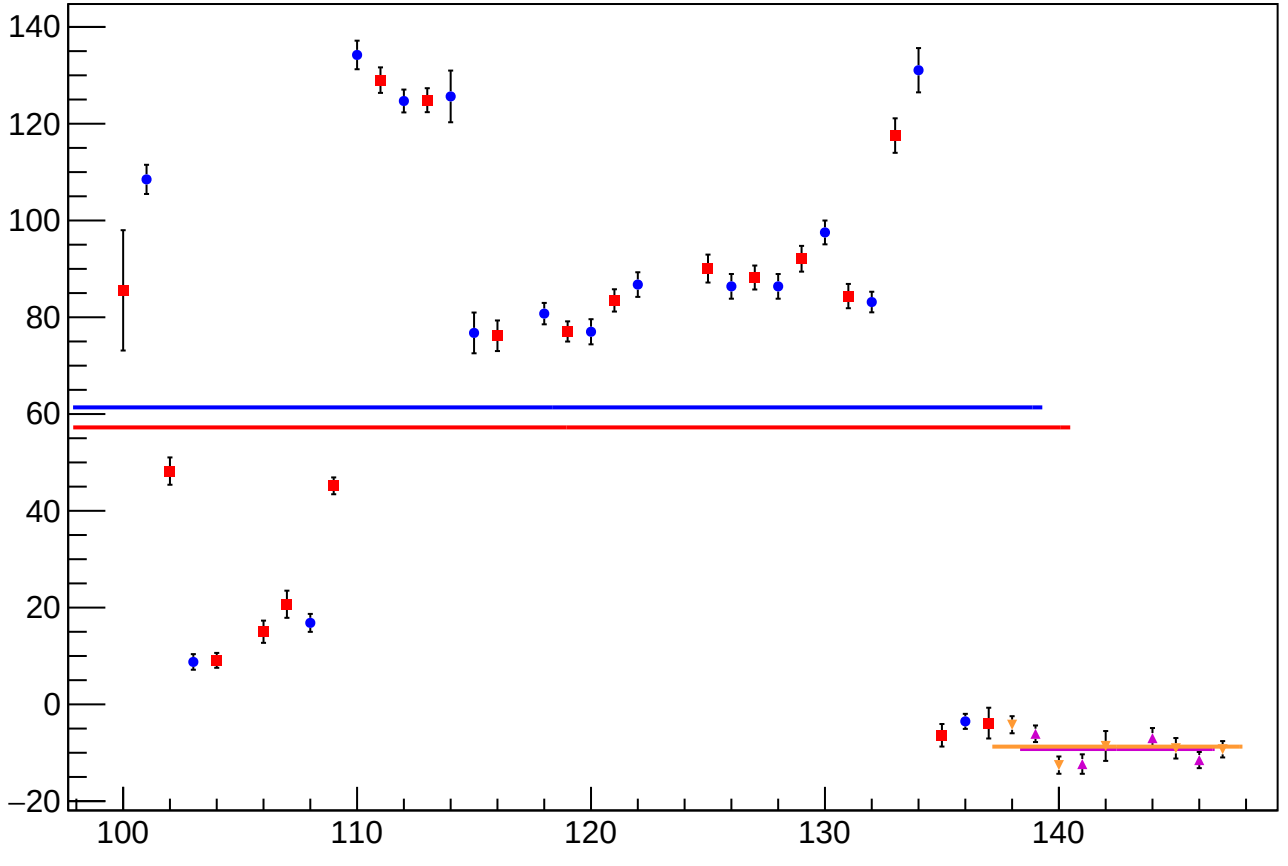
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -4.901+/-0.432 χ^2/NDF:345.8/19

Out: -3.694+/-0.398 χ^2/NDF:376.9/22

All: -4.249+/-0.293 χ^2/NDF: 726.9/42

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: -8.732+/-0.873 χ^2/NDF:11.3/4

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -9.227+/-0.922 χ^2/NDF:8.8/3

Left: -8.966+/-0.634 χ^2/NDF: 20.2/8

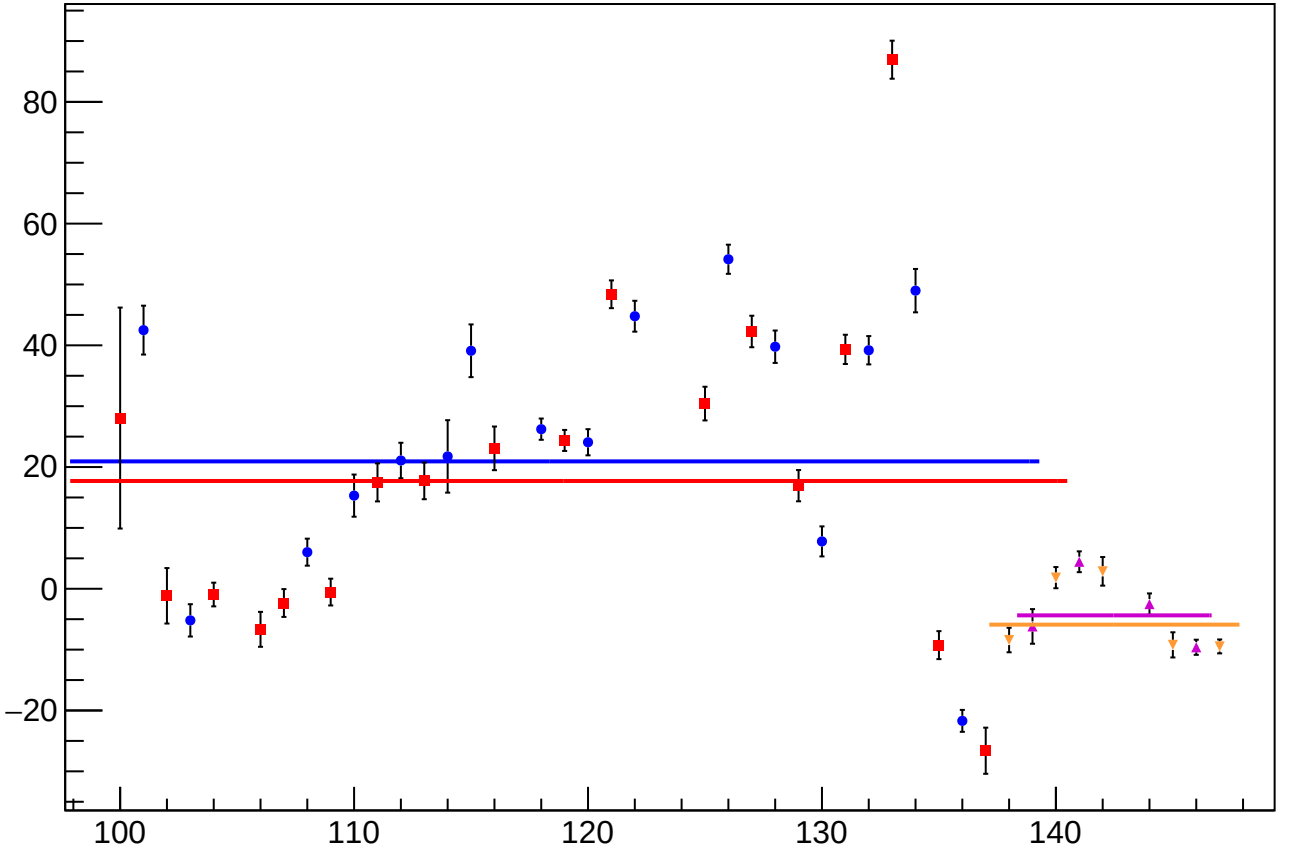
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 40.654+/-0.500 χ^2/NDF:10218.1/19

Out: 37.026+/-0.483 χ^2/NDF:9240.3/22

All: 38.780+/-0.347 χ^2/NDF: 19485.7/42

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: -5.894+/-0.755 χ^2/NDF:47.6/4

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -4.369+/-0.834 χ^2/NDF:45.8/3

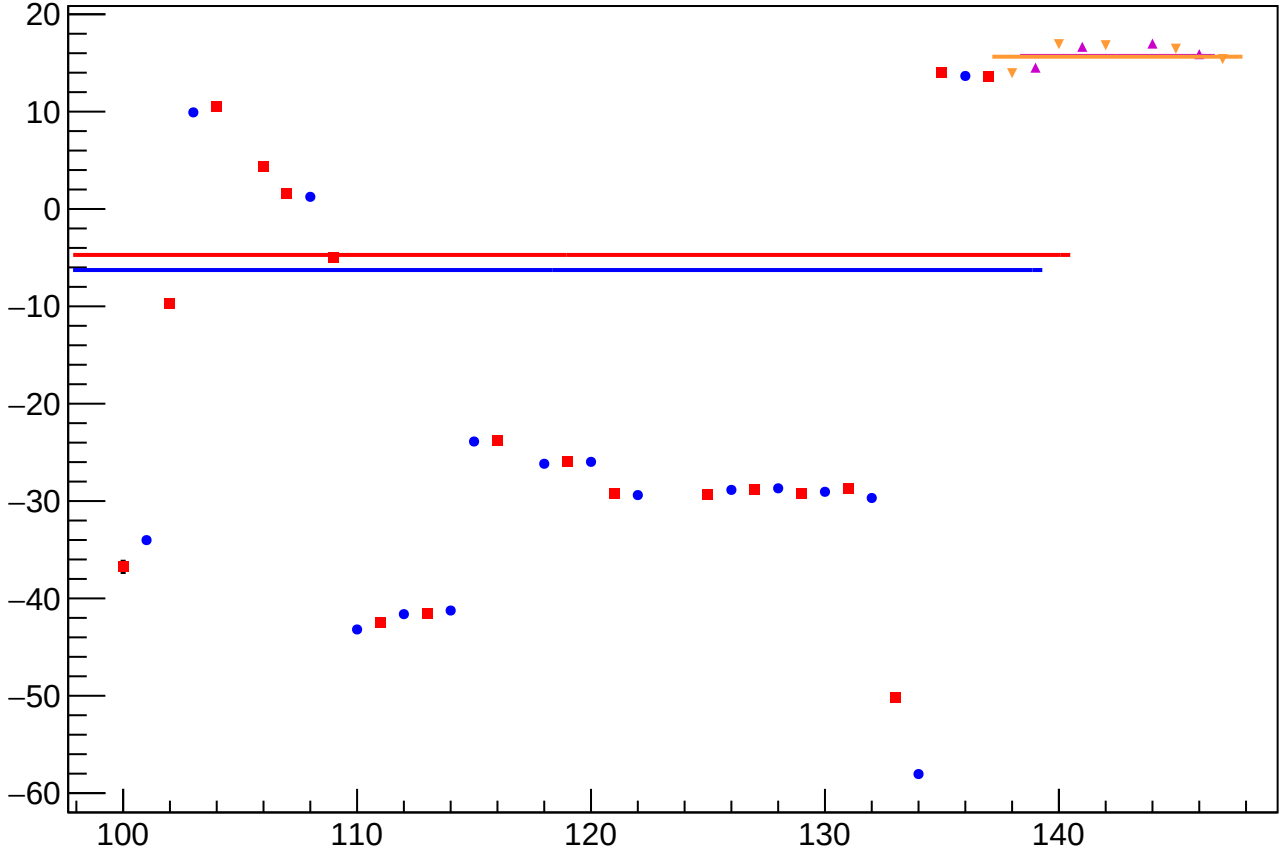
Left: -5.208+/-0.560 χ^2/NDF: 95.2/8

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 11.557+/-0.508 χ^2/NDF:1870.0/19

Out: 8.234+/-0.478 χ^2/NDF:2115.0/22

All: 9.796+/-0.348 χ^2/NDF: 4007.6/42



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.641+/-0.036 χ^2/NDF:1057.7/4

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.720+/-0.037 χ^2/NDF:709.8/3

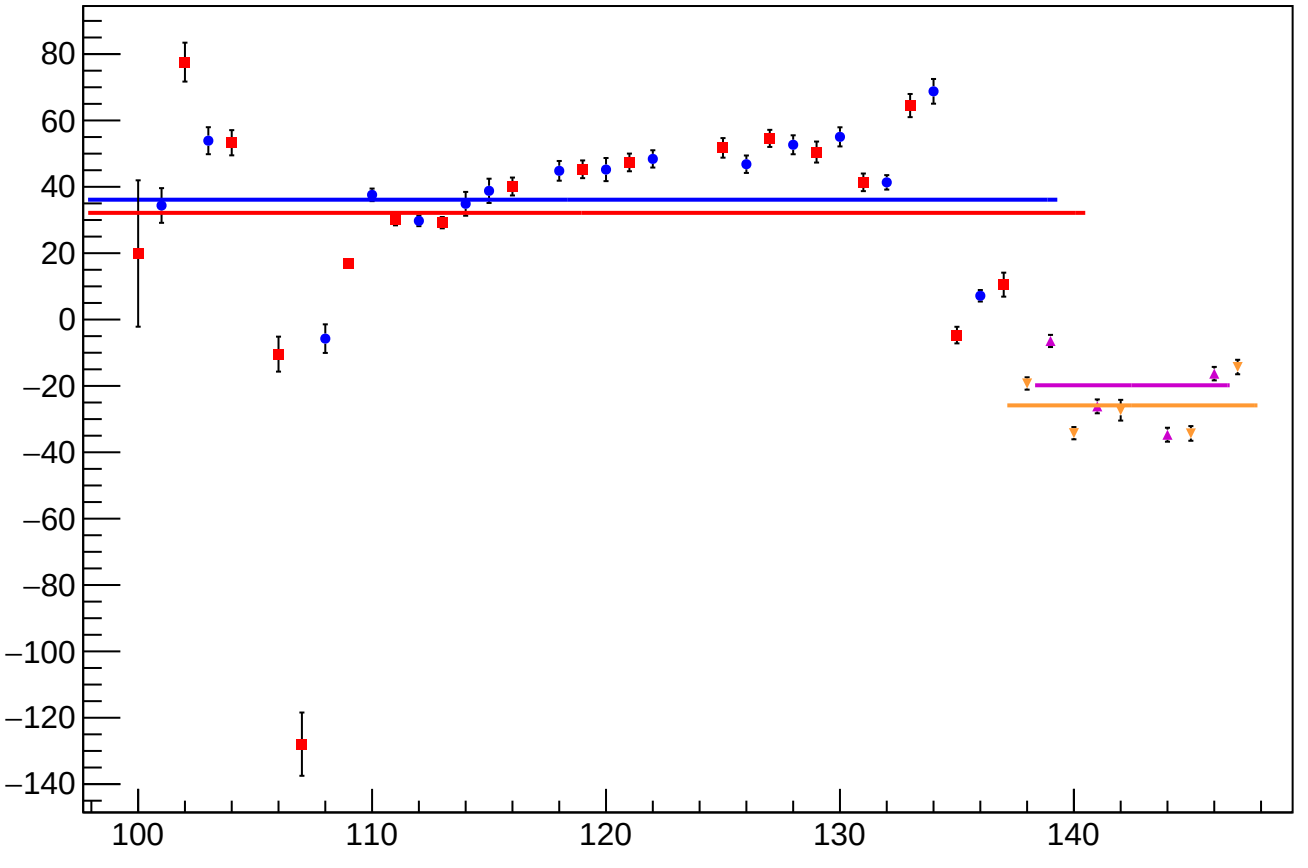
Left: 15.680+/-0.026 χ^2/NDF: 1769.8/8

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 3.573+/-0.025 χ^2/NDF:605038.5/19

Out: 4.660+/-0.025 χ^2/NDF:476002.9/22

All: 4.119+/-0.018 χ^2/NDF: 1082003.5/42



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -25.867+/-0.956 χ^2/NDF:75.8/4

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -19.807+/-1.003 χ^2/NDF:115.3/3

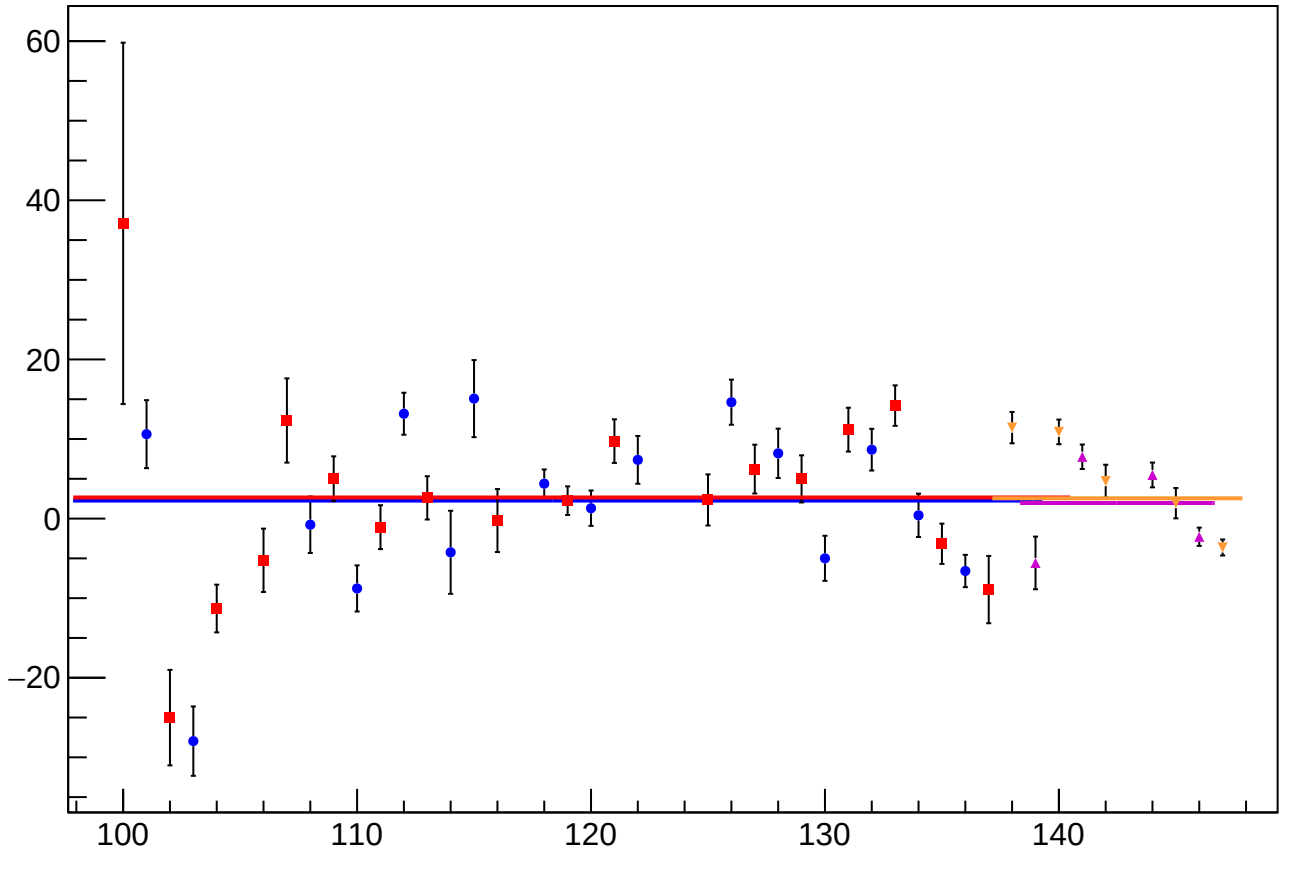
Left: -22.985+/-0.692 χ^2/NDF: 210.3/8

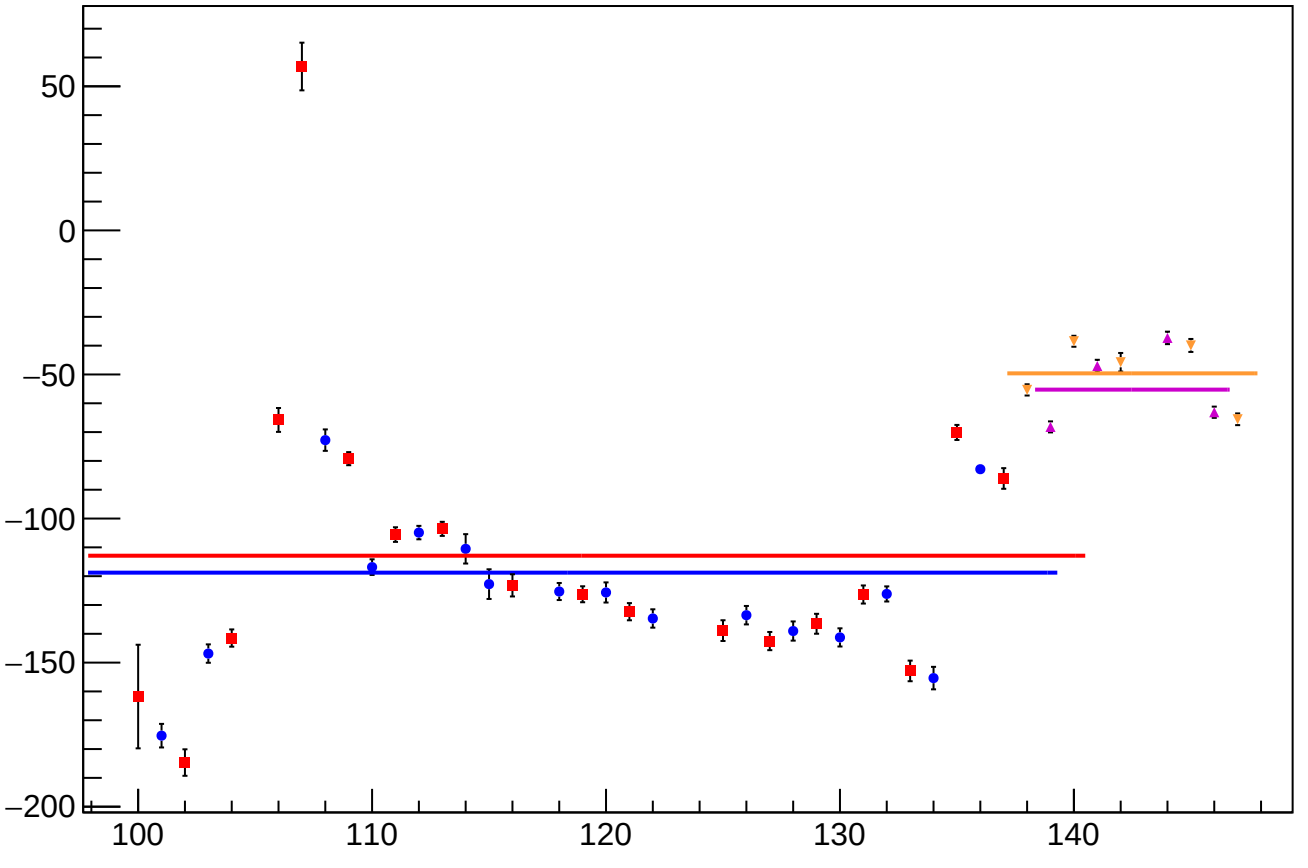
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 19.355+/-0.549 χ^2/NDF:2913.7/19

Out: 14.548+/-0.526 χ^2/NDF:3758.3/22

All: 16.849+/-0.380 χ^2/NDF: 6712.0/42


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: 2.551+/-0.678 χ²/NDF:88.4/4
Right Out: 2.651+/-0.715 χ²/NDF: 107.2/17
Left In: 1.960+/-0.770 χ²/NDF:38.2/3
Left: 2.293+/-0.509 χ²/NDF: 126.9/8
Right: 2.454+/-0.501 χ²/NDF: 259.4/33
In: 2.127+/-0.519 χ²/NDF:190.3/19
Out: 2.598+/-0.492 χ²/NDF:195.6/22
All: 2.375+/-0.357 χ²/NDF: 386.3/42



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -49.615+/-0.965 χ^2/NDF:124.1/4

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -55.261+/-1.017 χ^2/NDF:145.3/3

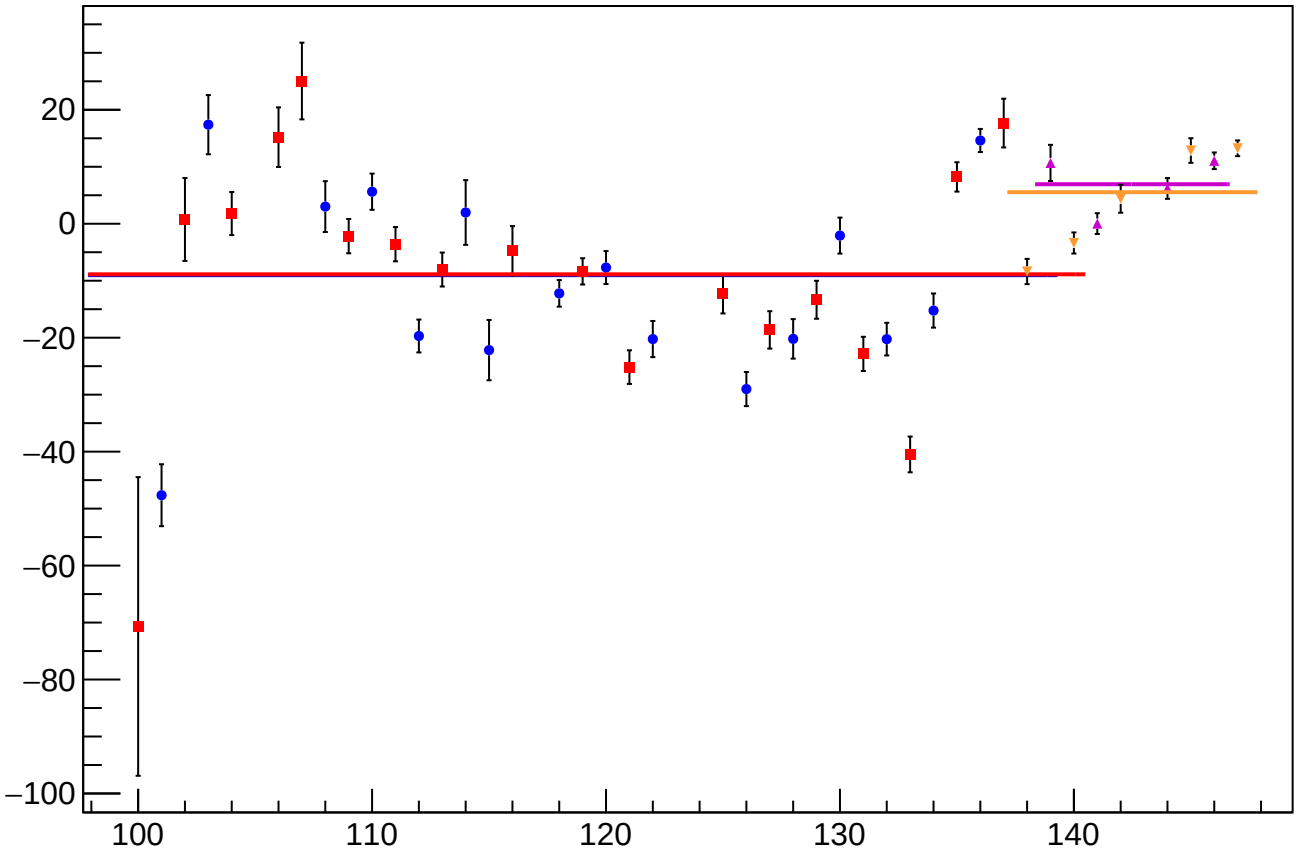
Left: -52.291+/-0.700 χ^2/NDF: 285.6/8

Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -96.137+/-0.607 χ^2/NDF:3775.4/19

Out: -88.638+/-0.598 χ^2/NDF:4638.3/22

All: -92.328+/-0.426 χ^2/NDF: 8491.3/42



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 5.538+/-0.844 χ^2/NDF:105.6/4

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 6.937+/-0.925 χ^2/NDF:23.8/3

Left: 6.174+/-0.624 χ^2/NDF: 130.7/8

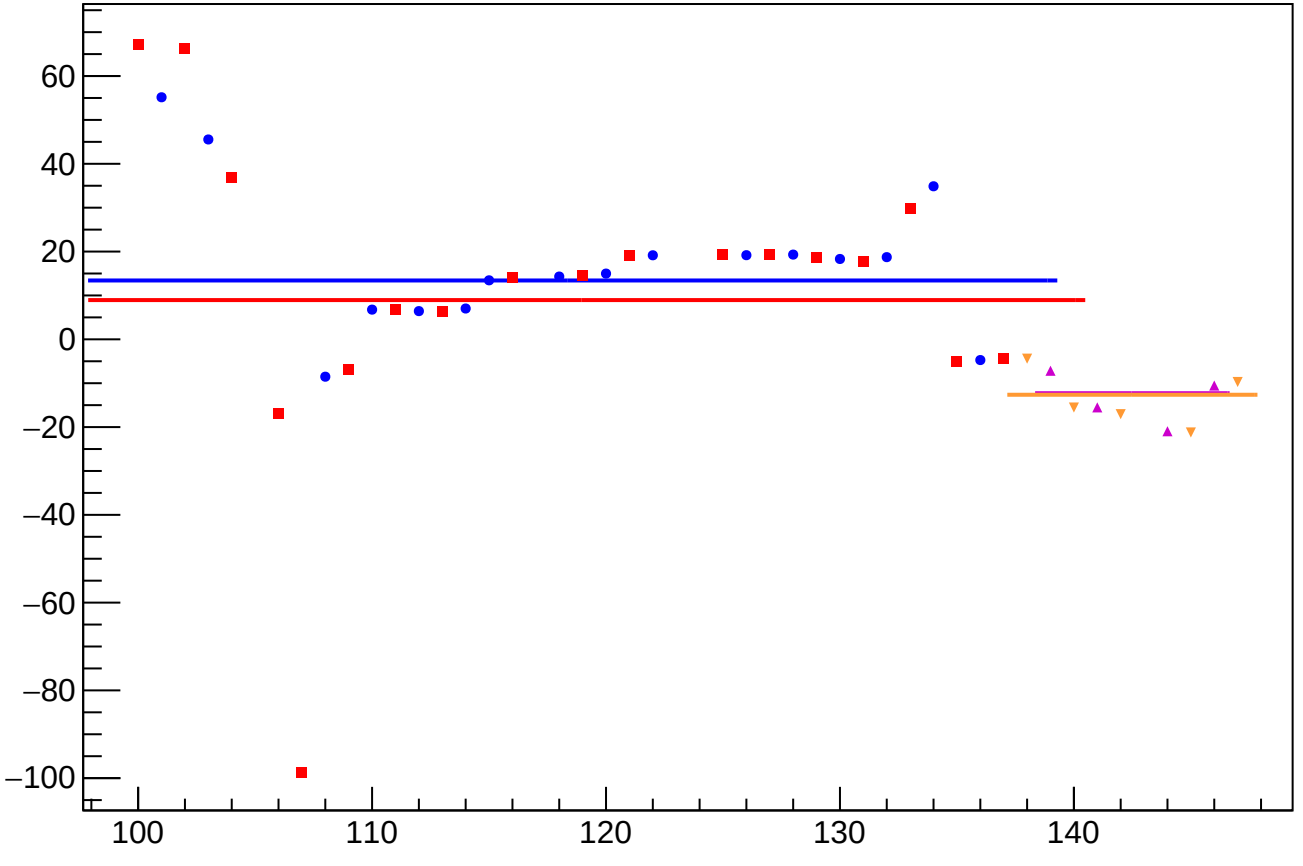
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: -2.233+/-0.603 χ^2/NDF:553.0/19

Out: -1.966+/-0.585 χ^2/NDF:576.1/22

All: -2.095+/-0.420 χ^2/NDF: 1129.1/42

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -12.632+/-0.040 χ^2/NDF:24217.9/4

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -12.275+/-0.041 χ^2/NDF:15425.7/3

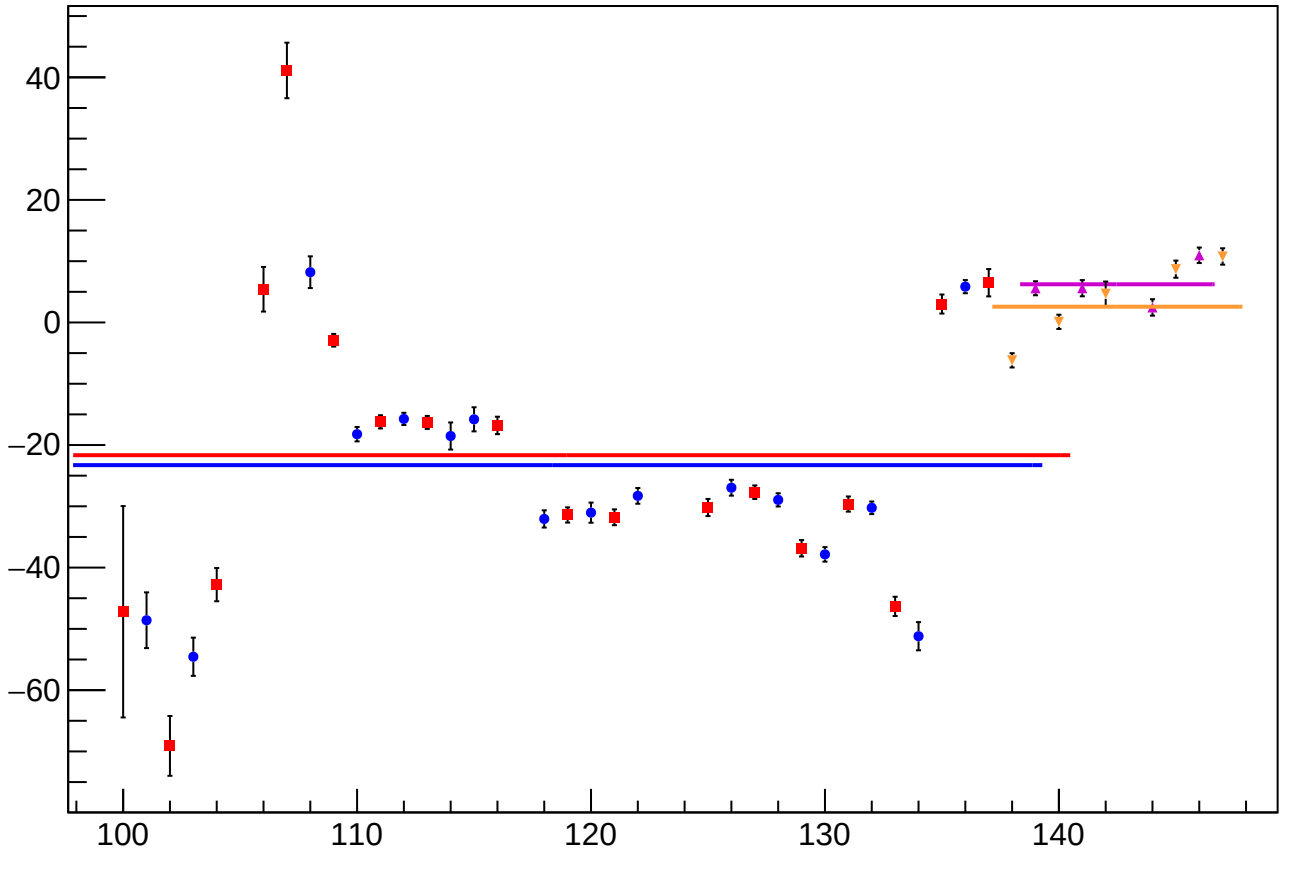
Left: -12.457+/-0.029 χ^2/NDF: 39682.2/8

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -0.696+/-0.030 χ^2/NDF:375873.4/19

Out: -3.597+/-0.031 χ^2/NDF:435761.6/22

All: -2.134+/-0.022 χ^2/NDF: 816145.6/42



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 2.571+/-0.599 χ^2/NDF:118.5/4

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 6.231+/-0.631 χ^2/NDF:22.5/3

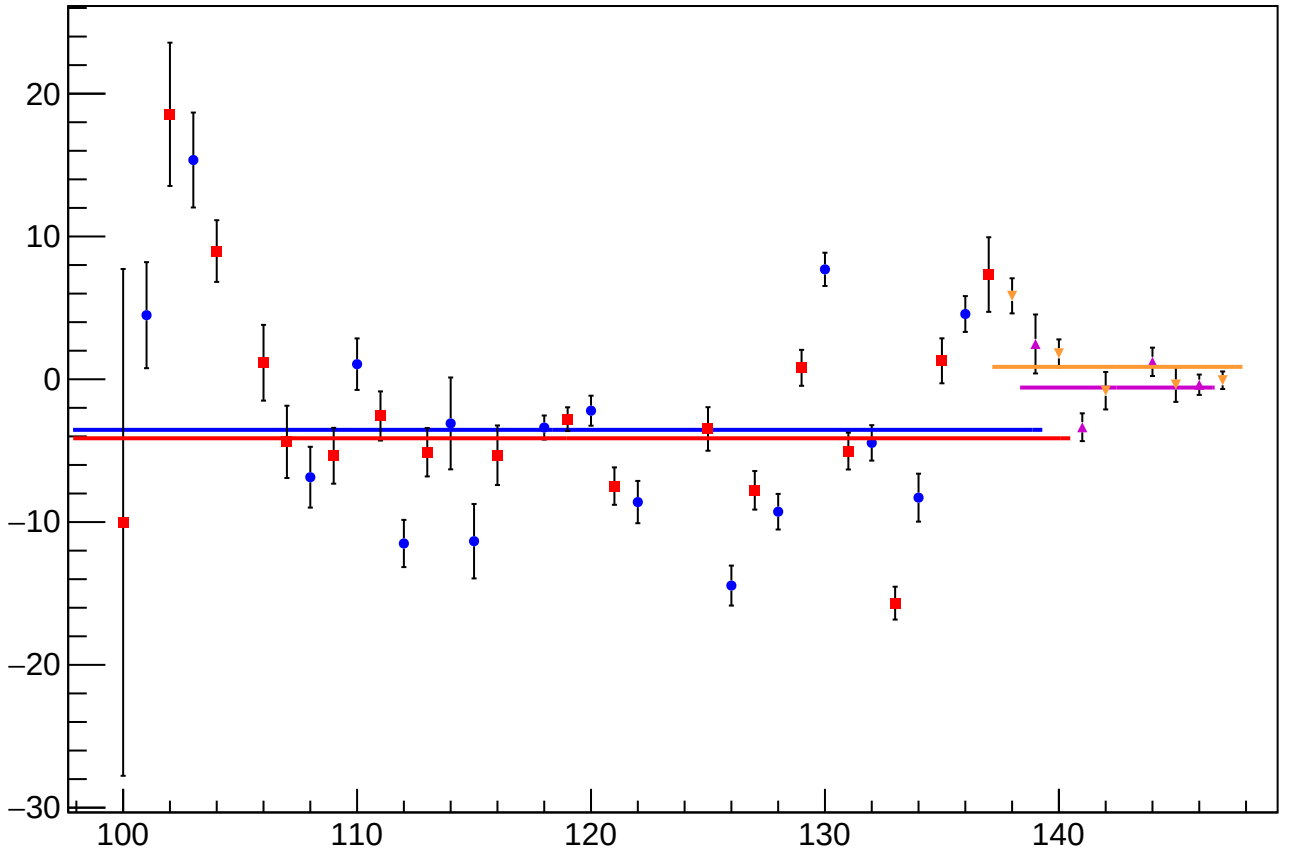
Left: 4.306+/-0.434 χ^2/NDF: 158.7/8

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -16.317+/-0.306 χ^2/NDF:3264.3/19

Out: -15.556+/-0.300 χ^2/NDF:3158.0/22

All: -15.929+/-0.214 χ^2/NDF: 6425.5/42



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.869+/-0.422 χ^2/NDF:22.3/4

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.580+/-0.483 χ^2/NDF:13.7/3

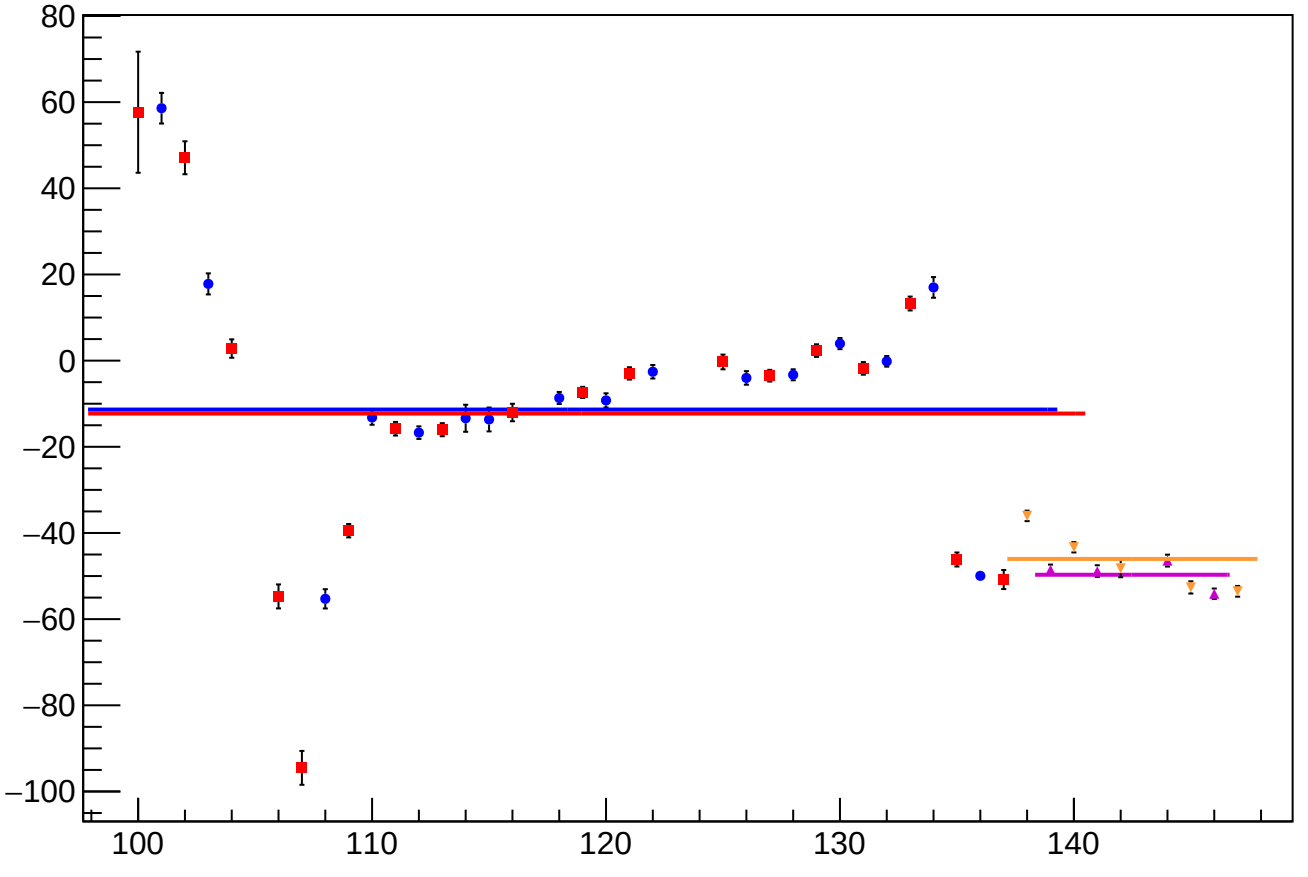
Left: 0.242+/-0.318 χ^2/NDF: 41.1/8

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.475+/-0.290 χ^2/NDF:354.5/19

Out: -1.955+/-0.279 χ^2/NDF:329.0/22

All: -2.204+/-0.201 χ^2/NDF: 685.1/42



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -46.024+/-0.604 χ^2/NDF:131.3/4

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -49.698+/-0.639 χ^2/NDF:20.2/3

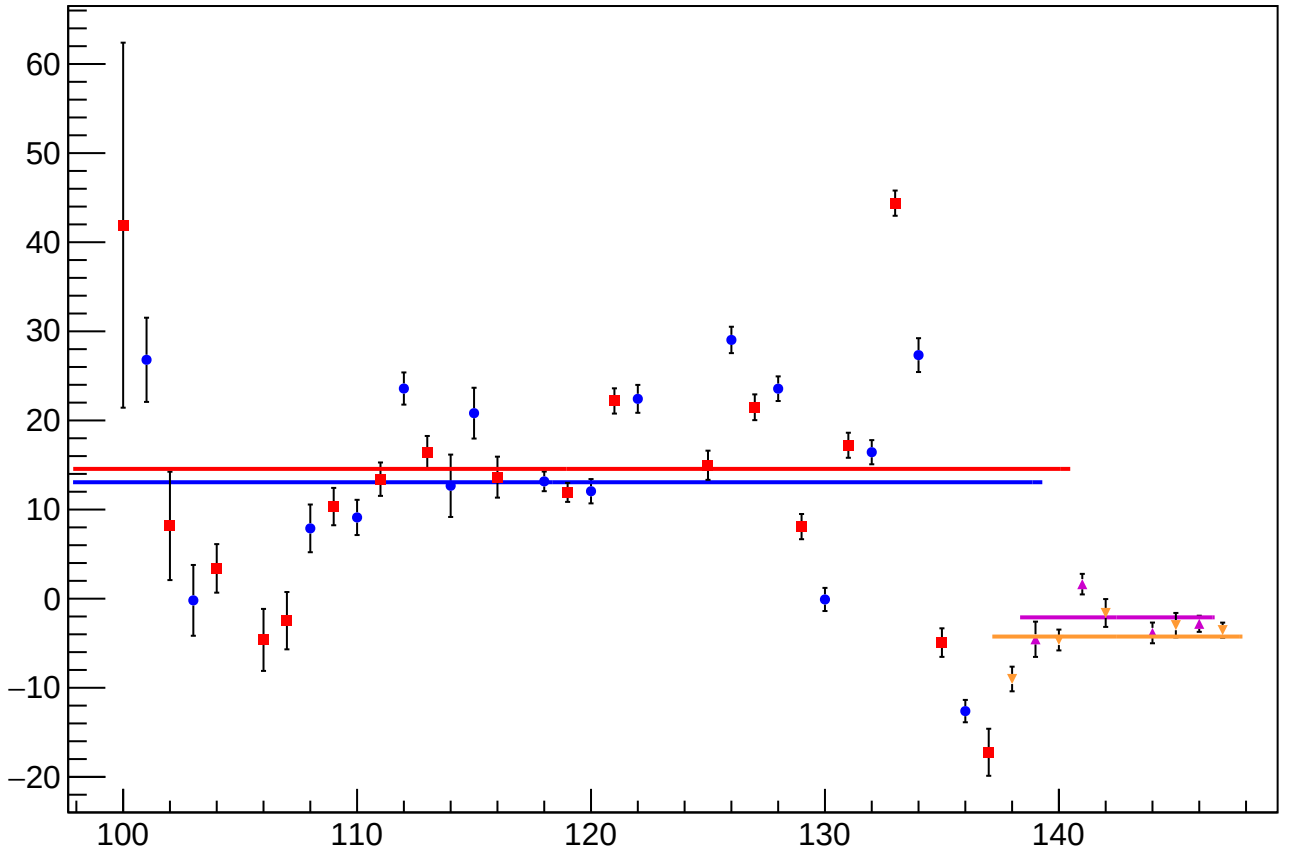
Left: -47.758+/-0.439 χ^2/NDF: 169.0/8

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -22.376+/-0.342 χ^2/NDF:5249.5/19

Out: -23.037+/-0.341 χ^2/NDF:4848.0/22

All: -22.708+/-0.242 χ^2/NDF: 10099.3/42



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.251+/-0.527 χ^2/NDF:16.4/4

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.097+/-0.581 χ^2/NDF:14.9/3

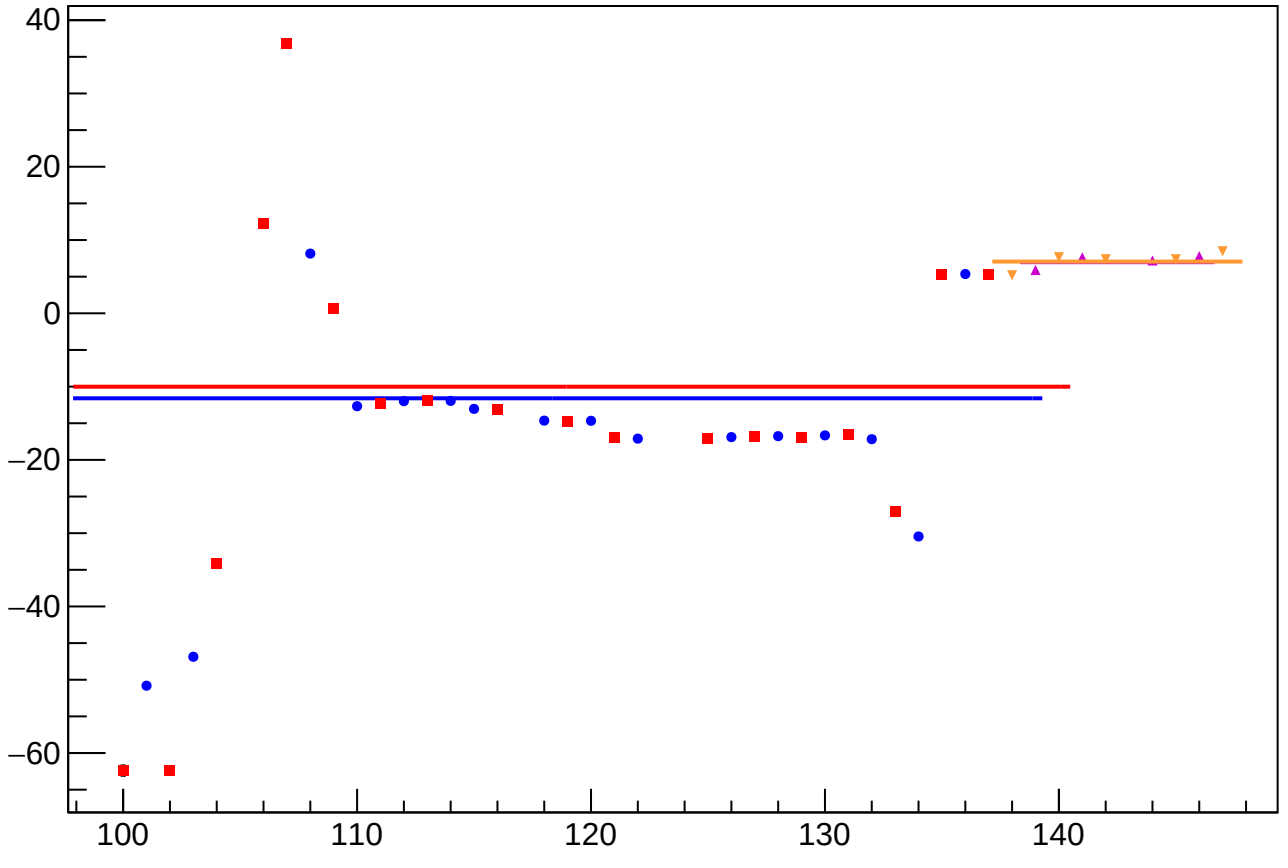
Left: -3.279+/-0.390 χ^2/NDF: 38.9/8

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 7.945+/-0.337 χ^2/NDF:1329.8/19

Out: 7.200+/-0.330 χ^2/NDF:1695.7/22

All: 7.563+/-0.236 χ^2/NDF: 3027.9/42



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.060+/-0.025 χ^2/NDF:2336.5/4

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 6.977+/-0.026 χ^2/NDF:1037.4/3

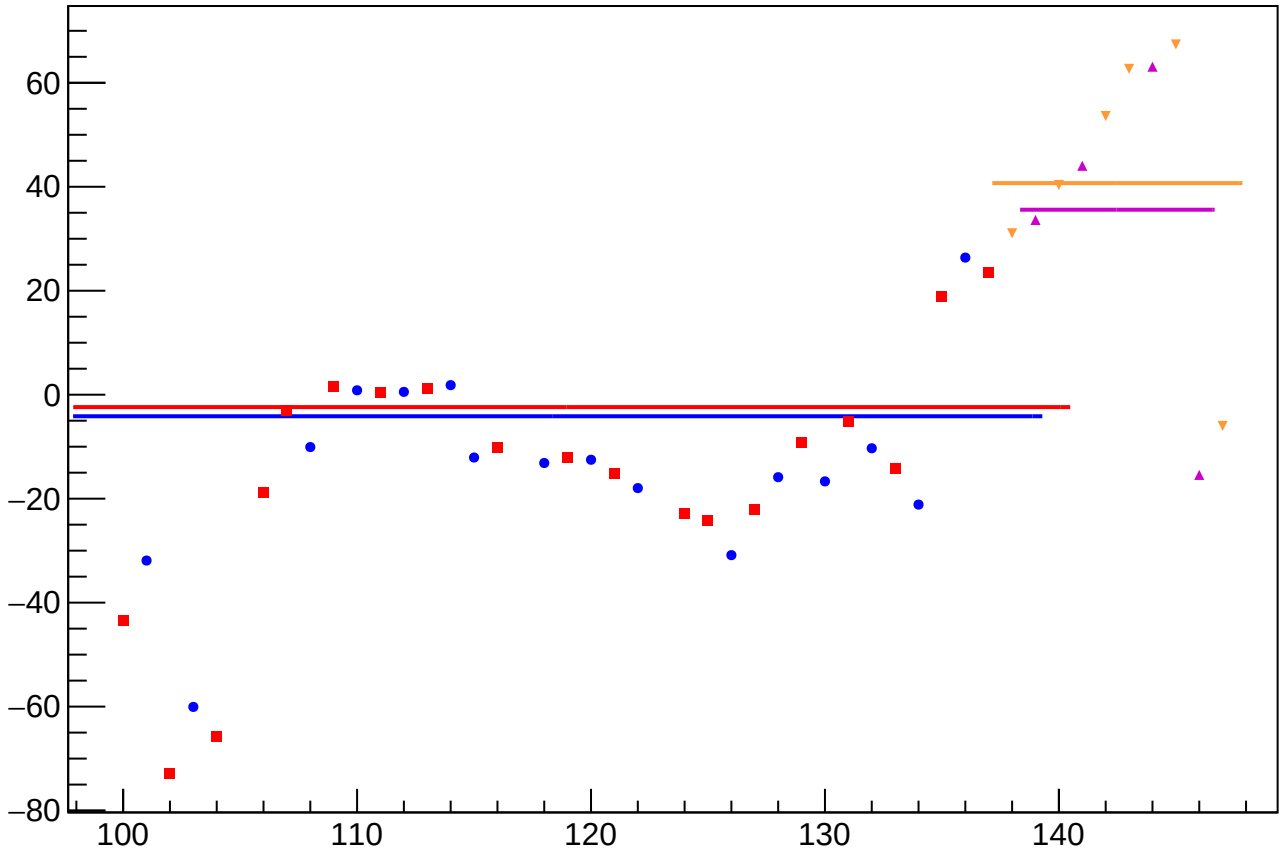
Left: 7.019+/-0.018 χ^2/NDF: 3379.2/8

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: -2.107+/-0.018 χ^2/NDF:616153.4/19

Out: -0.748+/-0.019 χ^2/NDF:608584.2/22

All: -1.433+/-0.013 χ^2/NDF: 1227442.6/42



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 40.704+/-0.111 χ^2/NDF:32517.6/5

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 35.587+/-0.121 χ^2/NDF:36502.8/3

Left: 38.369+/-0.082 χ^2/NDF: 69996.3/9

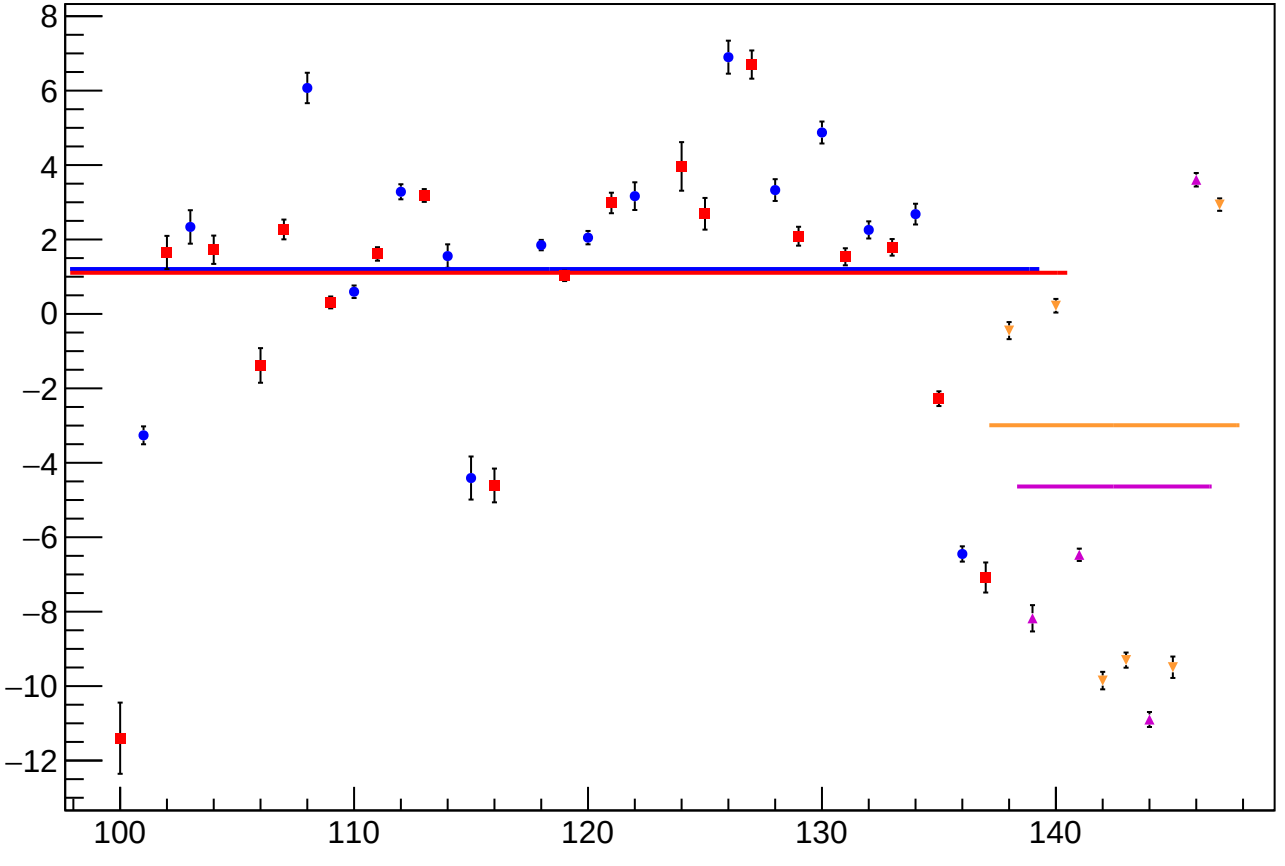
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 2.615+/-0.050 χ^2/NDF:201594.8/19

Out: 4.000+/-0.043 χ^2/NDF:242449.2/24

All: 3.415+/-0.032 χ^2/NDF: 444490.8/44

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -2.991+/-0.085 χ^2/NDF:4008.9/5

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -4.637+/-0.100 χ^2/NDF:3251.8/3

Left: -3.678+/-0.065 χ^2/NDF: 7417.6/9

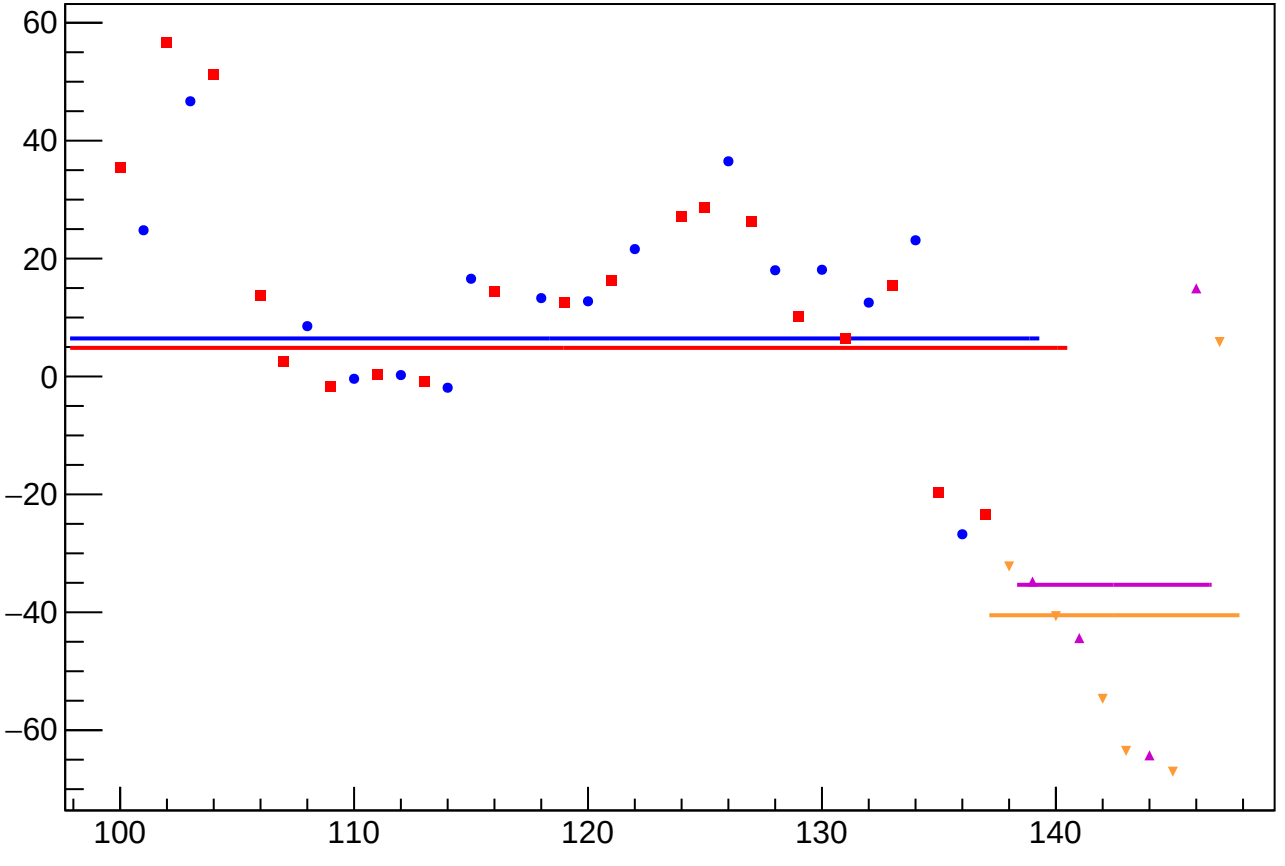
Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: -0.351+/-0.052 χ^2/NDF:8326.6/19

Out: -0.174+/-0.047 χ^2/NDF:7197.6/24

All: -0.255+/-0.035 χ^2/NDF: 15530.5/44

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -40.497+/-0.113 χ^2/NDF:34031.7/5

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -35.335+/-0.123 χ^2/NDF:38524.7/3

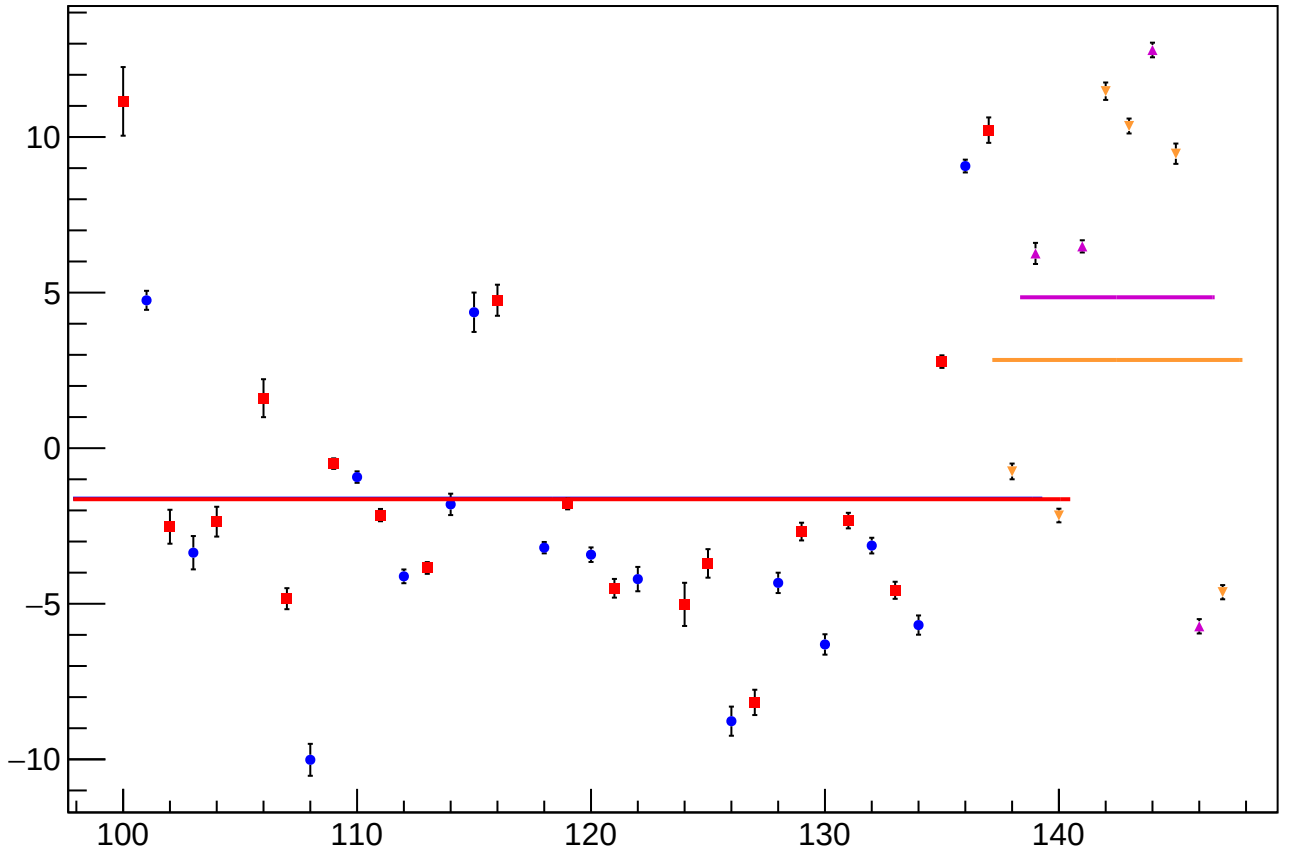
Left: -38.139+/-0.083 χ^2/NDF: 73507.2/9

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -2.671+/-0.058 χ^2/NDF:198848.3/19

Out: -4.879+/-0.052 χ^2/NDF:235435.8/24

All: -3.879+/-0.039 χ^2/NDF: 435087.0/44



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 2.835+/-0.102 χ^2/NDF:4138.1/5

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 4.850+/-0.118 χ^2/NDF:3319.4/3

Left: 3.698+/-0.077 χ^2/NDF: 7623.0/9

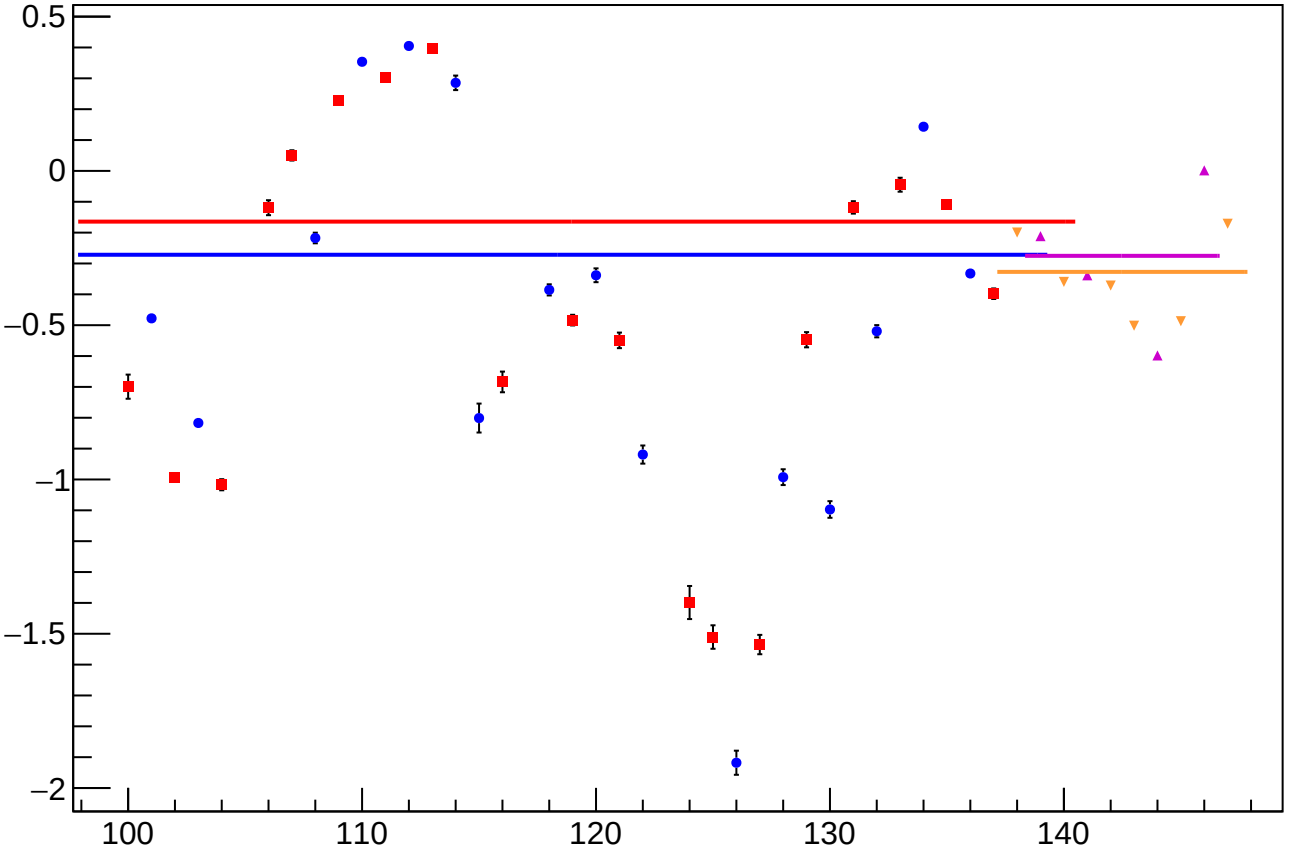
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: 0.040+/-0.060 χ^2/NDF:10065.7/19

Out: -0.369+/-0.055 χ^2/NDF:7965.6/24

All: -0.183+/-0.040 χ^2/NDF: 18056.6/44

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.327+/-0.005 χ^2/NDF:722.8/5

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.275+/-0.005 χ^2/NDF:1212.6/3

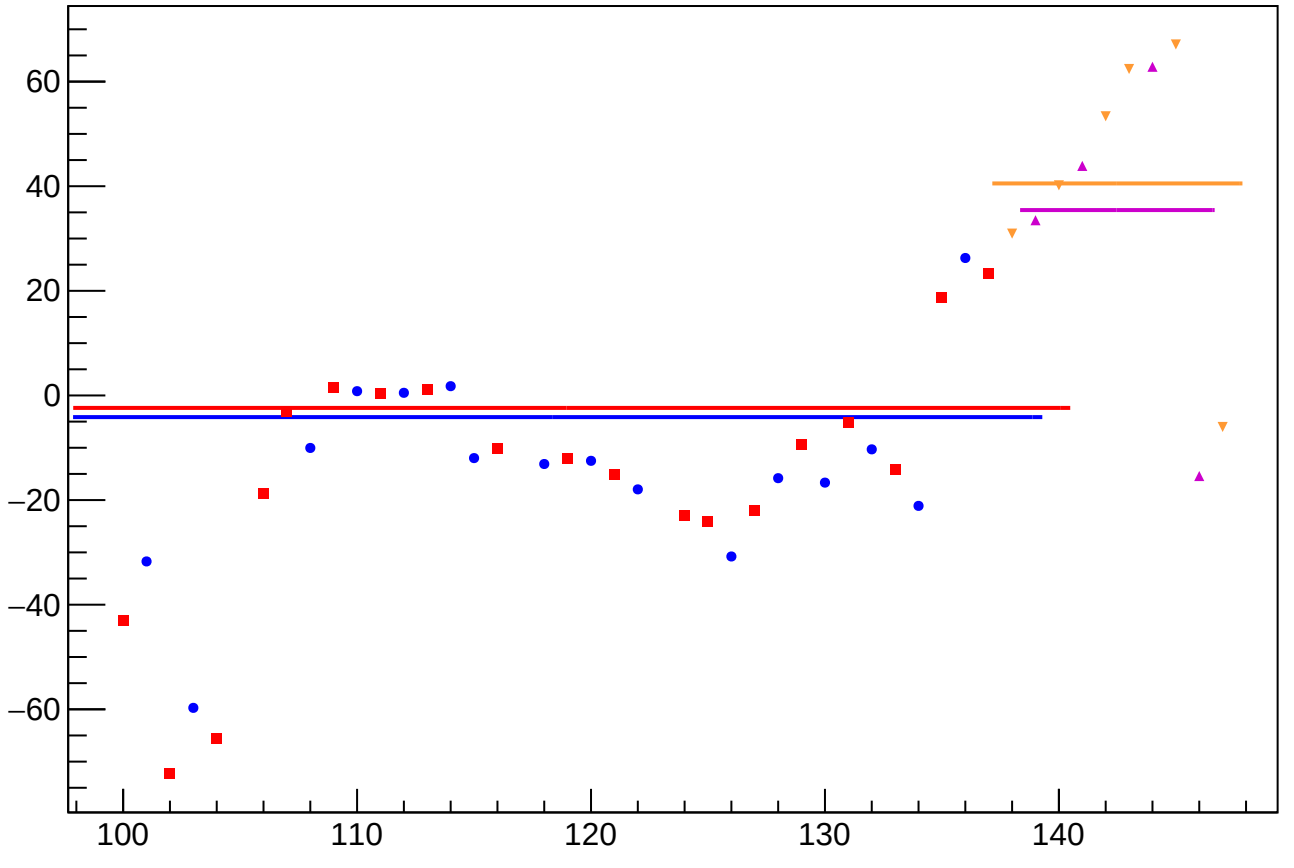
Left: -0.303+/-0.003 χ^2/NDF: 1995.2/9

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.273+/-0.003 χ^2/NDF:13261.1/19

Out: -0.230+/-0.003 χ^2/NDF:16959.2/24

All: -0.250+/-0.002 χ^2/NDF: 30321.4/44



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 40.531+/-0.110 χ^2/NDF:32492.2/5

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 35.441+/-0.120 χ^2/NDF:36497.4/3

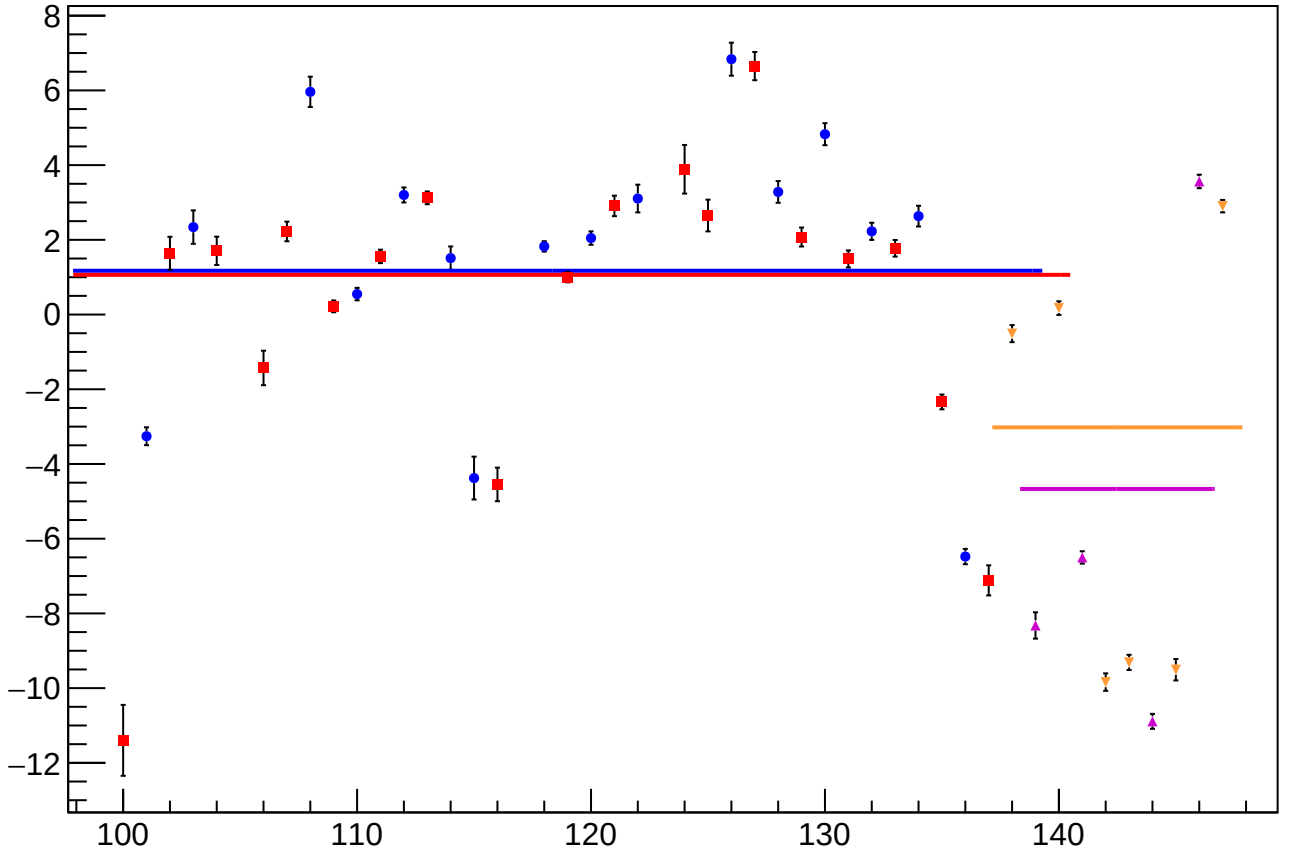
Left: 38.208+/-0.081 χ^2/NDF: 69961.8/9

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 2.561+/-0.050 χ^2/NDF:201526.6/19

Out: 3.942+/-0.042 χ^2/NDF:242257.6/24

All: 3.359+/-0.032 χ^2/NDF: 444233.5/44



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -3.019+/-0.085 χ^2/NDF:4008.2/5

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -4.668+/-0.100 χ^2/NDF:3262.8/3

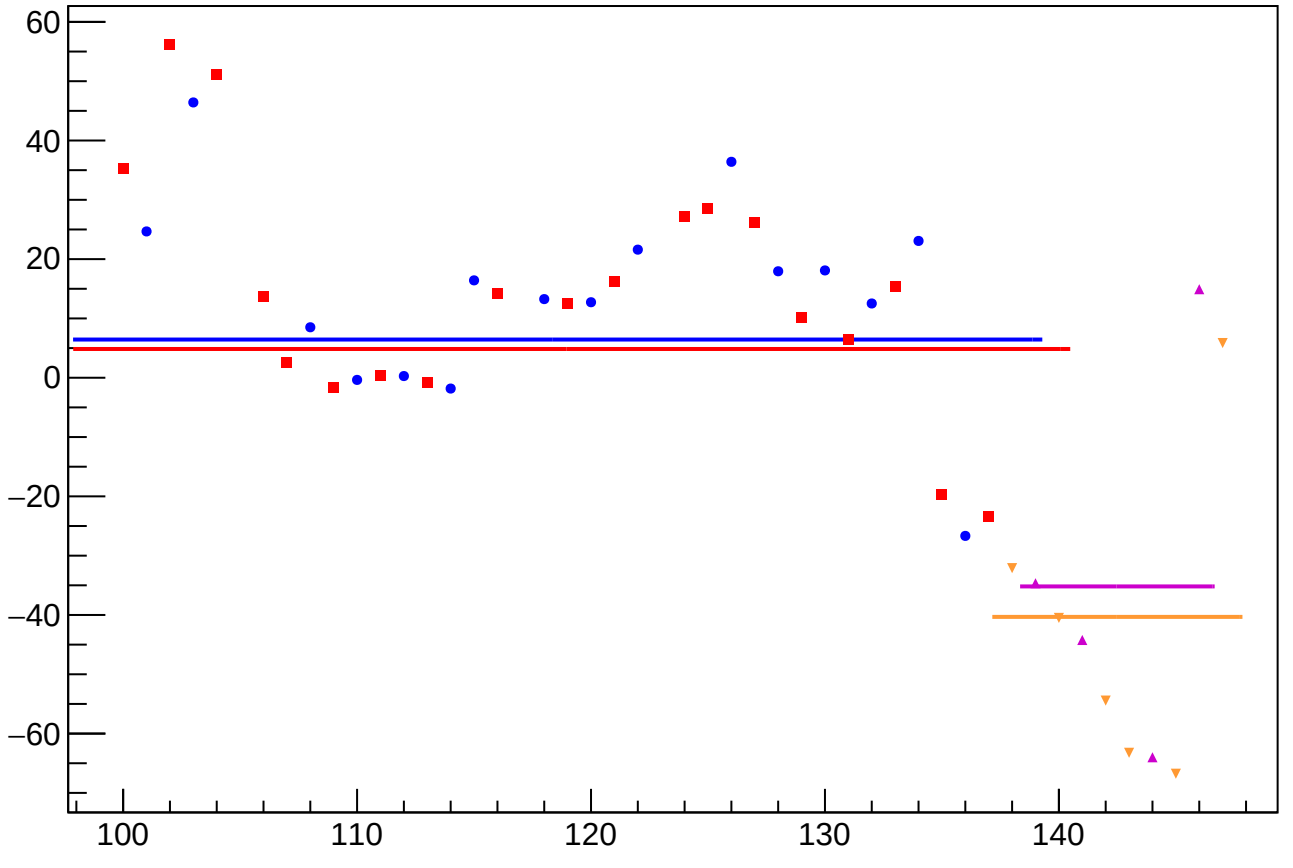
Left: -3.708+/-0.065 χ^2/NDF: 7429.5/9

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: -0.379+/-0.052 χ^2/NDF:8354.3/19

Out: -0.210+/-0.047 χ^2/NDF:7207.5/24

All: -0.287+/-0.035 χ^2/NDF: 15567.6/44



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -40.323+/-0.113 χ^2/NDF:34007.4/5

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -35.186+/-0.123 χ^2/NDF:38517.9/3

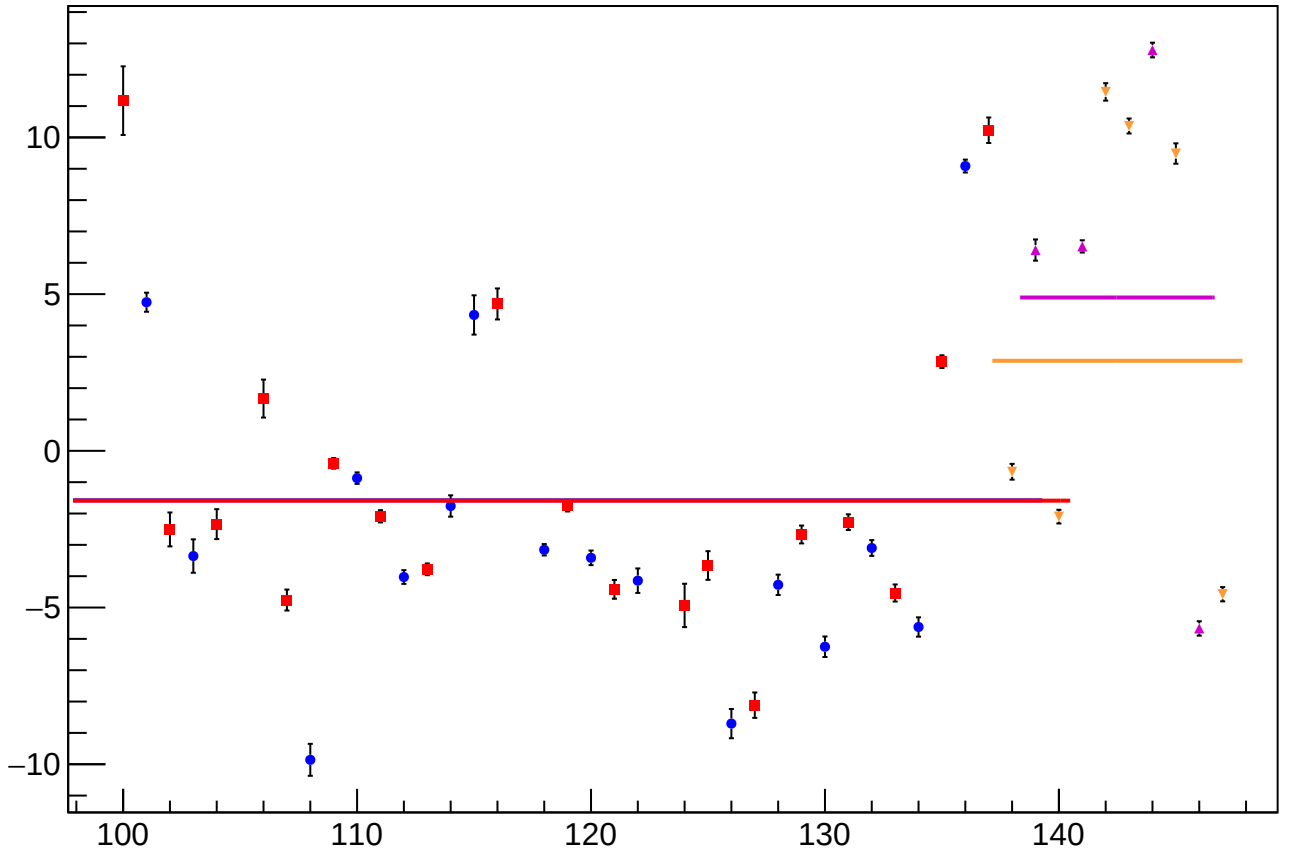
Left: -37.977+/-0.083 χ^2/NDF: 73472.7/9

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -2.613+/-0.057 χ^2/NDF:198769.8/19

Out: -4.810+/-0.052 χ^2/NDF:235256.9/24

All: -3.816+/-0.039 χ^2/NDF: 434829.6/44



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 2.874+/-0.102 χ^2/NDF:4130.7/5

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 4.892+/-0.118 χ^2/NDF:3323.9/3

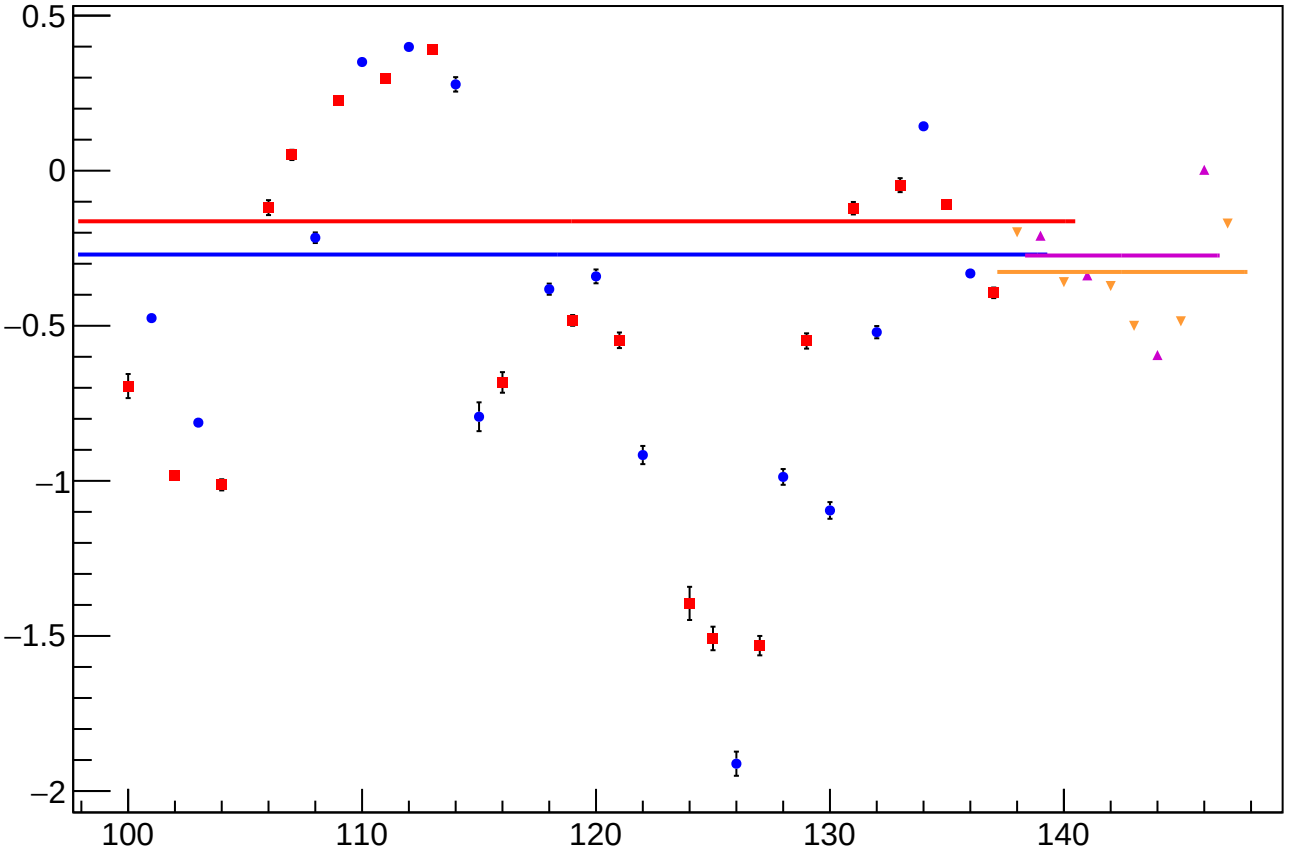
Left: 3.739+/-0.077 χ^2/NDF: 7621.8/9

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: 0.077+/-0.060 χ^2/NDF:10086.4/19

Out: -0.324+/-0.054 χ^2/NDF:7971.4/24

All: -0.142+/-0.040 χ^2/NDF: 18082.5/44



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.326+/-0.005 χ^2/NDF:726.3/5

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.273+/-0.005 χ^2/NDF:1212.0/3

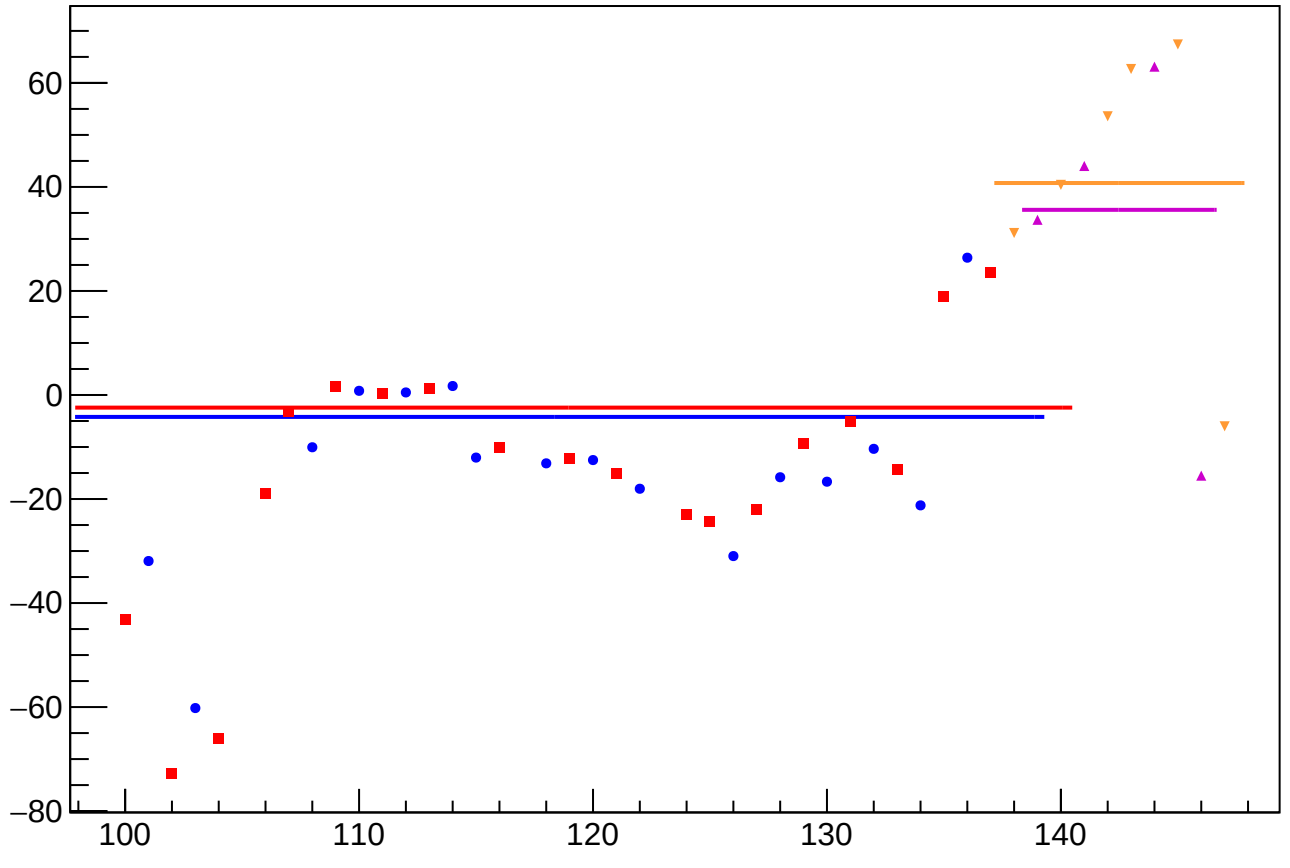
Left: -0.301+/-0.003 χ^2/NDF: 2000.8/9

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.272+/-0.003 χ^2/NDF:13248.5/19

Out: -0.229+/-0.003 χ^2/NDF:16985.1/24

All: -0.249+/-0.002 χ^2/NDF: 30333.5/44



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 40.756+/-0.111 χ^2/NDF:32427.4/5

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 35.598+/-0.121 χ^2/NDF:36527.8/3

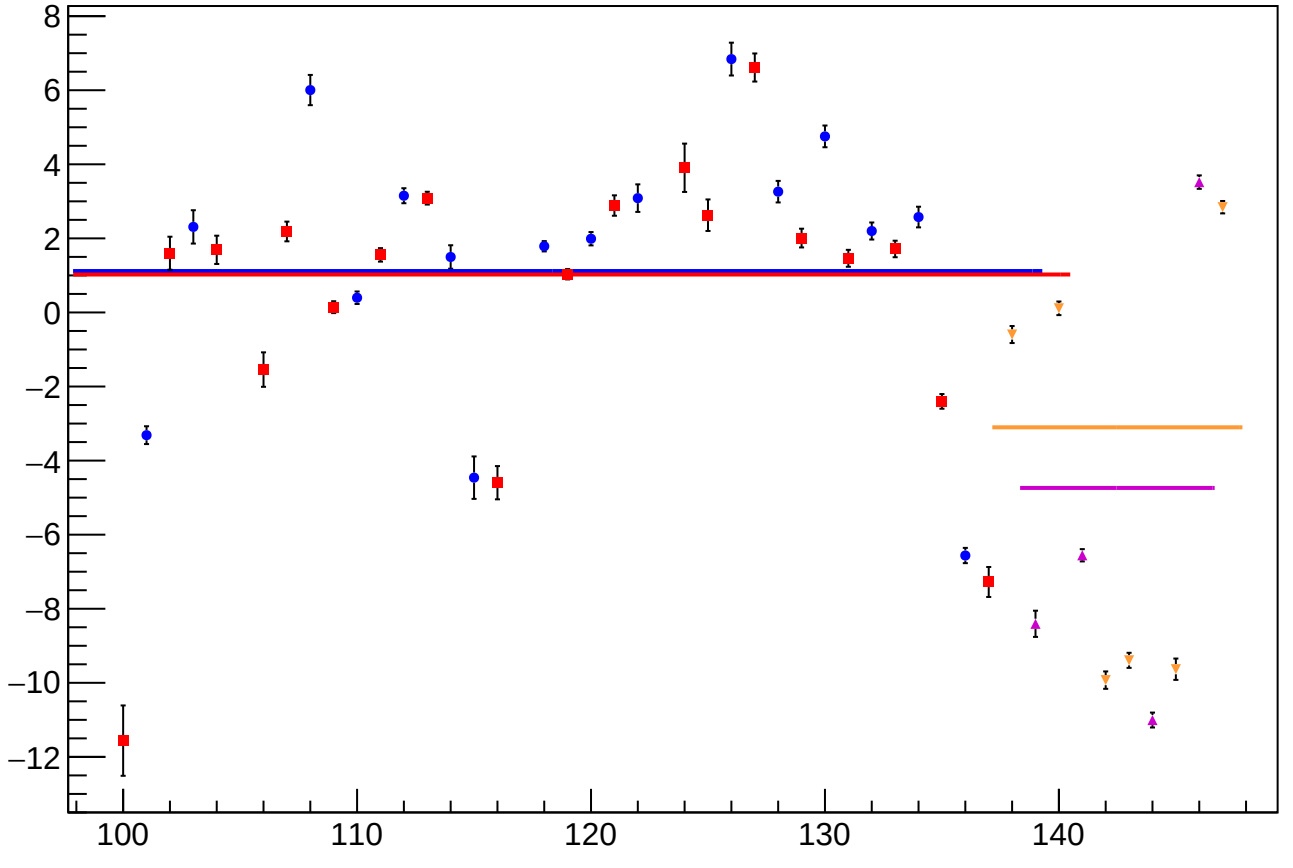
Left: 38.402+/-0.082 χ^2/NDF: 69944.3/9

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 2.551+/-0.050 χ^2/NDF:201730.3/19

Out: 3.965+/-0.043 χ^2/NDF:242592.5/24

All: 3.368+/-0.032 χ^2/NDF: 444787.7/44



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -3.101+/-0.085 χ^2/NDF:3996.7/5

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -4.738+/-0.100 χ^2/NDF:3259.6/3

Left: -3.784+/-0.065 χ^2/NDF: 7411.2/9

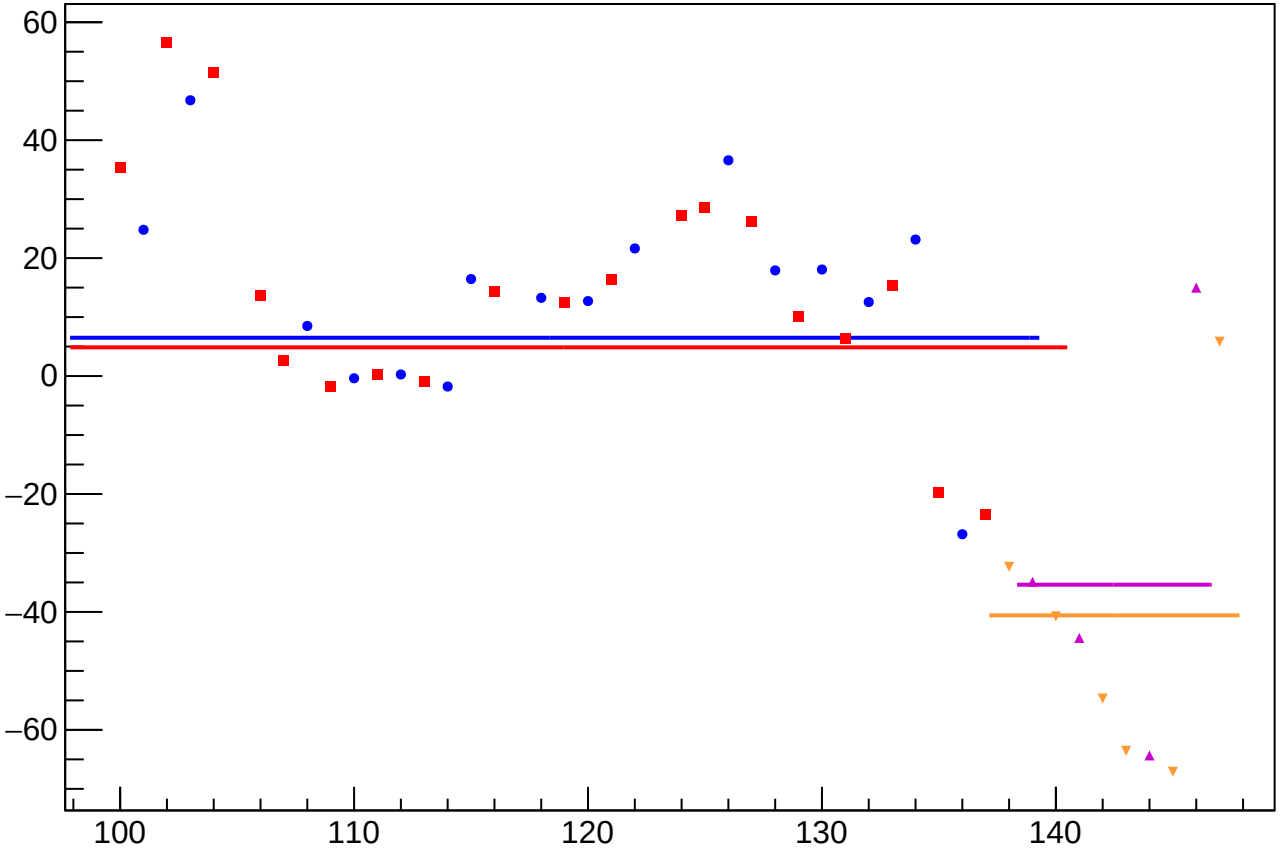
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: -0.439+/-0.052 χ^2/NDF:8349.3/19

Out: -0.263+/-0.047 χ^2/NDF:7230.4/24

All: -0.343+/-0.035 χ^2/NDF: 15585.9/44

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: -40.583+/-0.113 χ^2/NDF:33956.5/5

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -35.380+/-0.124 χ^2/NDF:38555.7/3

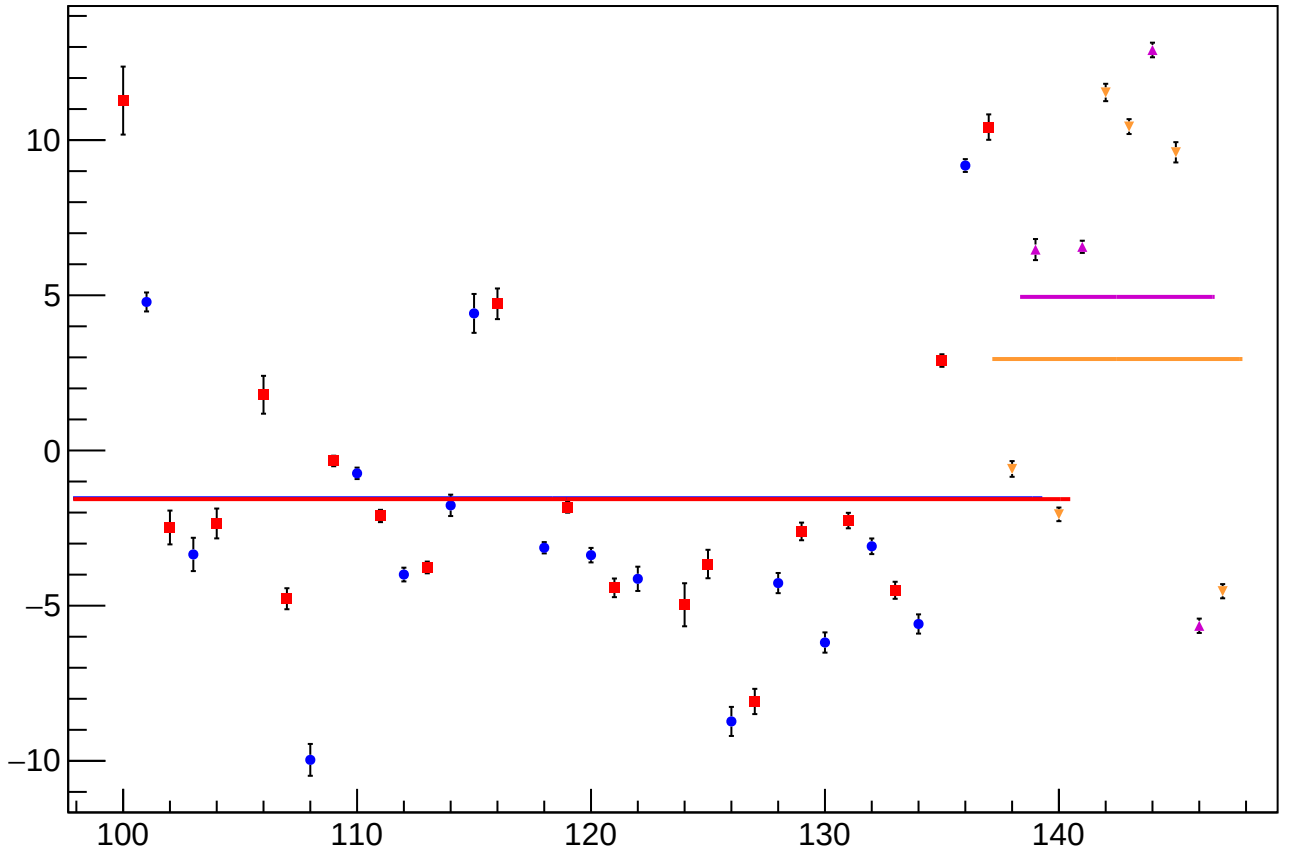
Left: -38.206+/-0.084 χ^2/NDF: 73475.5/9

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -2.635+/-0.058 χ^2/NDF:199010.9/19

Out: -4.876+/-0.052 χ^2/NDF:235623.7/24

All: -3.862+/-0.039 χ^2/NDF: 435460.7/44



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 2.947+/-0.103 χ^2/NDF:4118.9/5

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 4.949+/-0.119 χ^2/NDF:3324.6/3

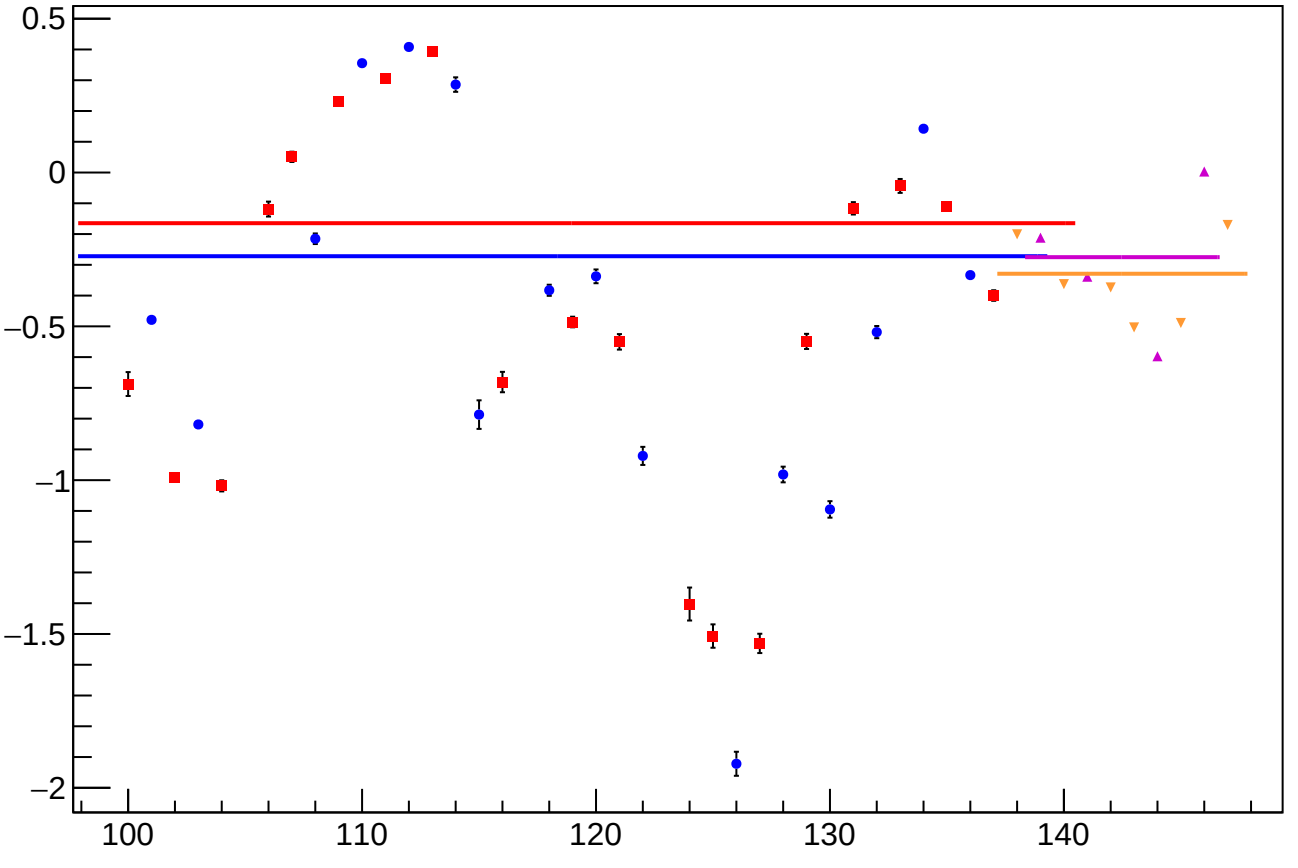
Left: 3.804+/-0.078 χ^2/NDF: 7606.6/9

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: 0.123+/-0.060 χ^2/NDF:10090.0/19

Out: -0.286+/-0.055 χ^2/NDF:8002.1/24

All: -0.100+/-0.040 χ^2/NDF: 18117.5/44



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.329+/-0.005 χ^2/NDF:728.4/5

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.275+/-0.005 χ^2/NDF:1210.8/3

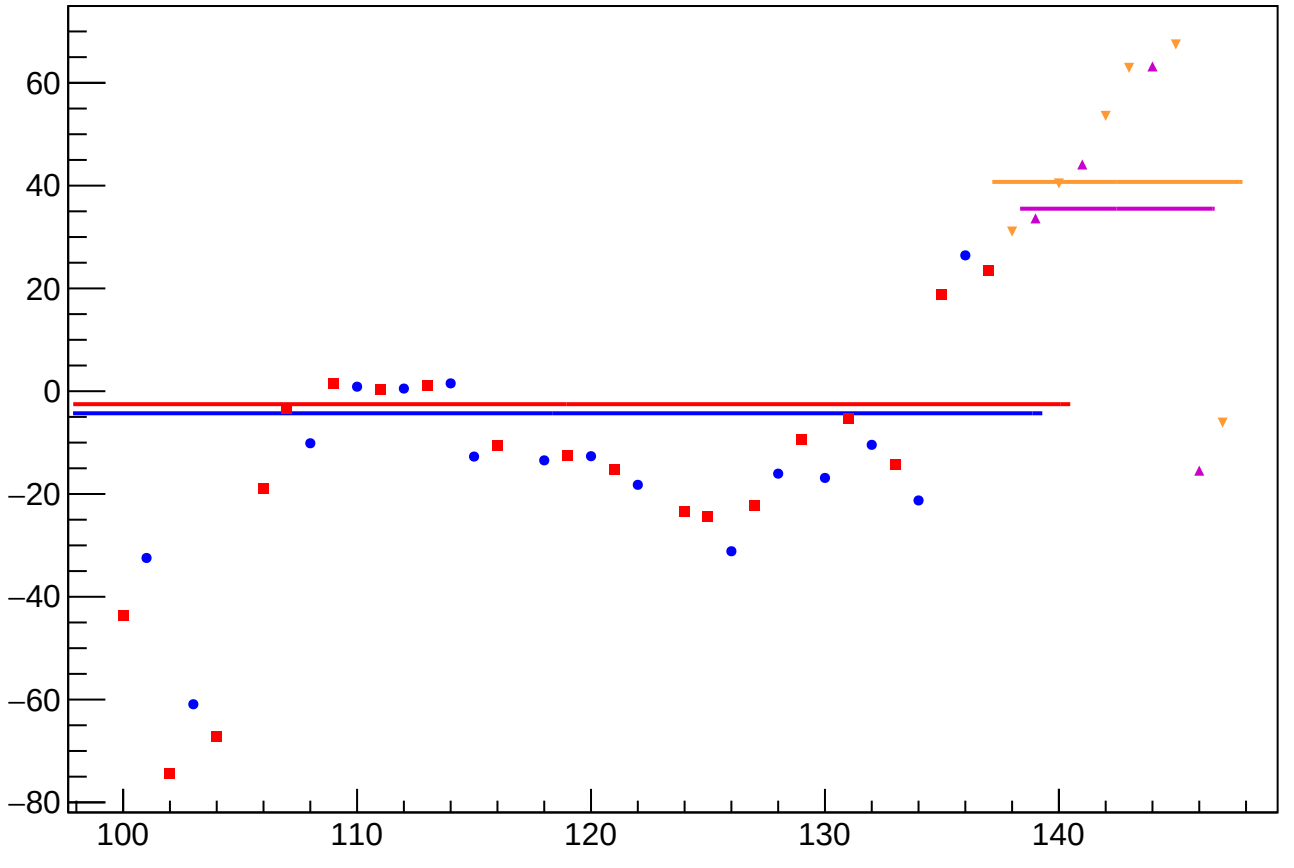
Left: -0.303+/-0.003 χ^2/NDF: 2003.4/9

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.273+/-0.003 χ^2/NDF:13274.7/19

Out: -0.231+/-0.003 χ^2/NDF:16969.8/24

All: -0.250+/-0.002 χ^2/NDF: 30341.9/44



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 40.724+/-0.112 χ^2/NDF:32277.6/5

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 35.512+/-0.122 χ^2/NDF:36247.3/3

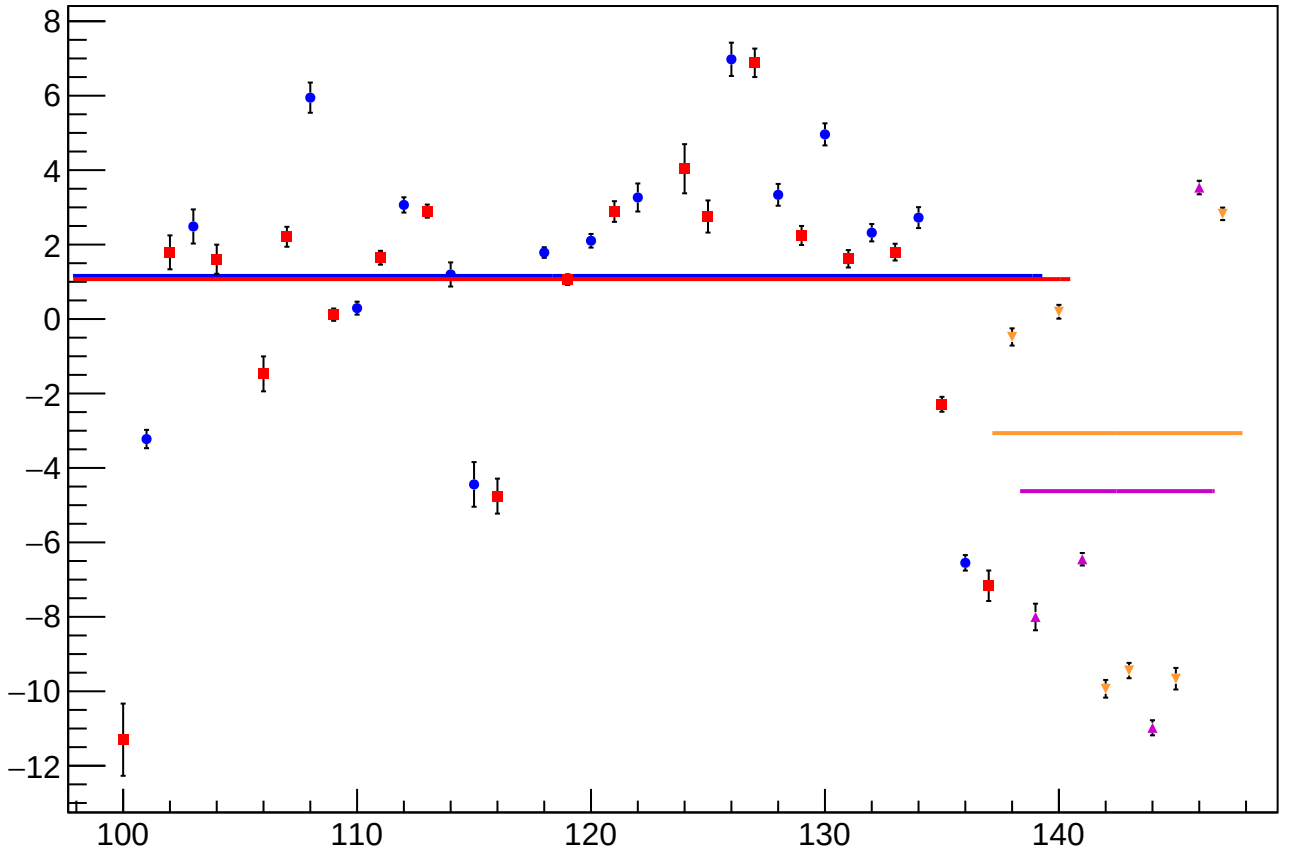
Left: 38.347+/-0.082 χ^2/NDF: 69517.4/9

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 2.575+/-0.051 χ^2/NDF:198520.6/19

Out: 4.032+/-0.044 χ^2/NDF:239276.0/24

All: 3.414+/-0.033 χ^2/NDF: 438271.8/44



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -3.065+/-0.086 χ^2/NDF:3974.9/5

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -4.623+/-0.101 χ^2/NDF:3189.3/3

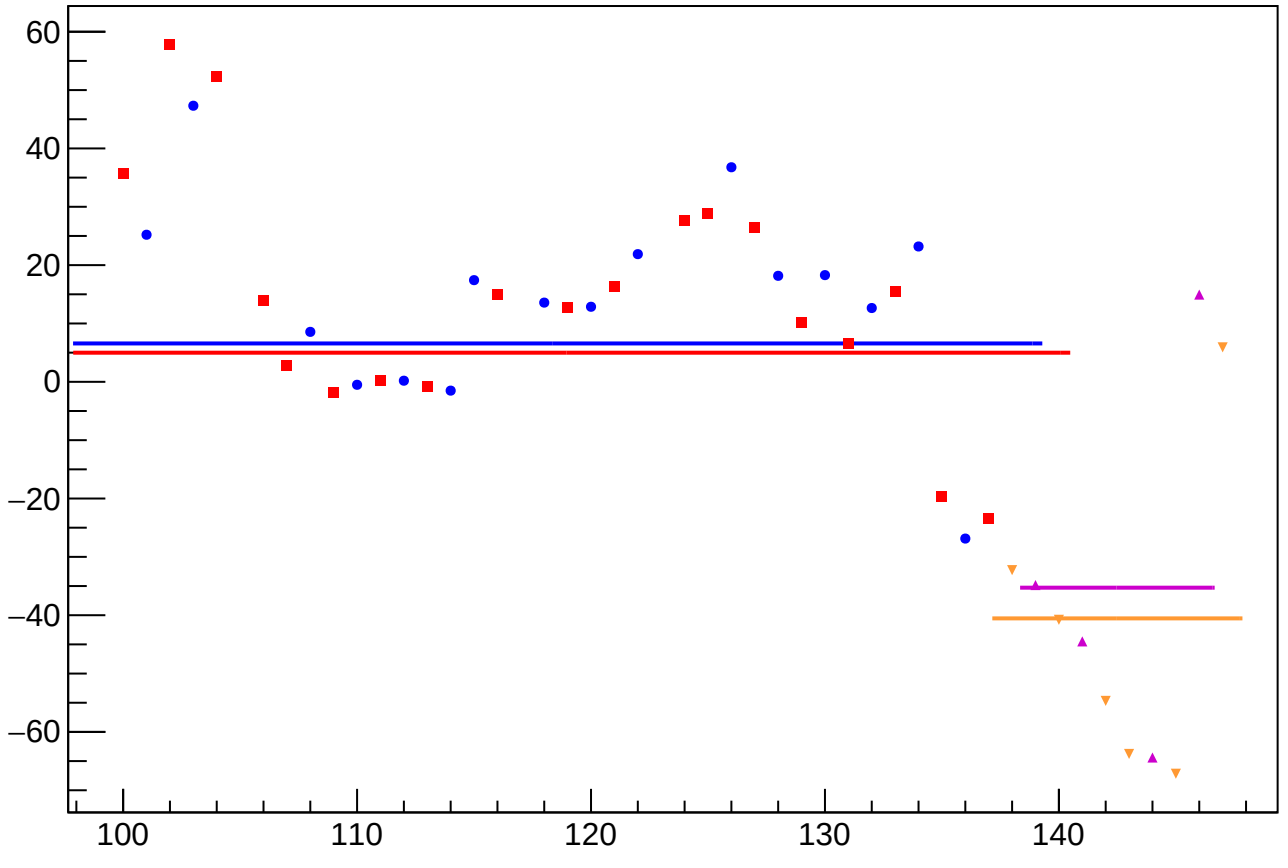
Left: -3.715+/-0.065 χ^2/NDF: 7302.4/9

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: -0.402+/-0.053 χ^2/NDF:8121.7/19

Out: -0.239+/-0.048 χ^2/NDF:7119.7/24

All: -0.314+/-0.036 χ^2/NDF: 15246.6/44



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -40.543+/-0.114 χ^2/NDF:33781.6/5

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -35.281+/-0.125 χ^2/NDF:38251.5/3

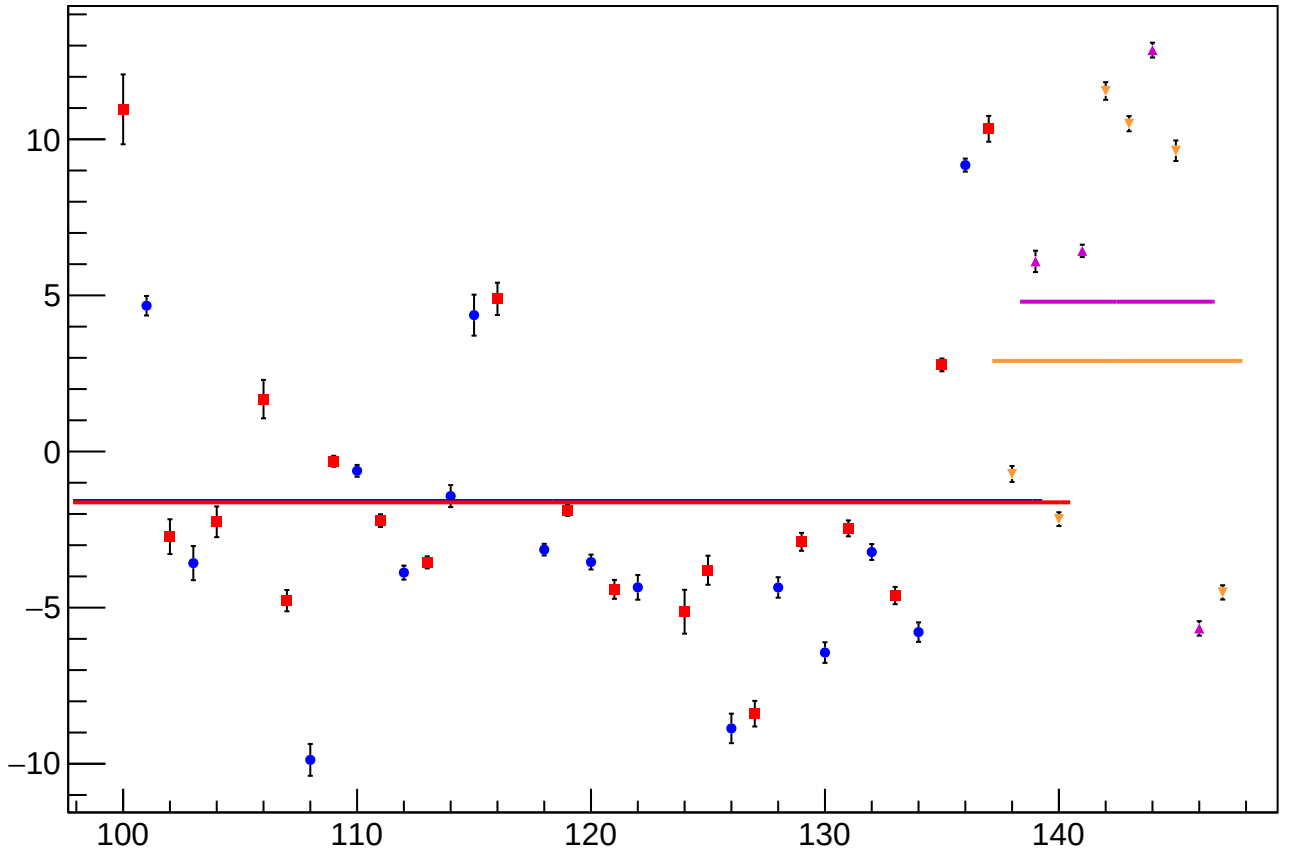
Left: -38.141+/-0.084 χ^2/NDF: 73001.5/9

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -2.672+/-0.059 χ^2/NDF:195822.5/19

Out: -4.957+/-0.053 χ^2/NDF:232350.8/24

All: -3.921+/-0.039 χ^2/NDF: 429003.8/44



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 2.902+/-0.103 χ^2/NDF:4103.6/5

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 4.799+/-0.120 χ^2/NDF:3264.8/3

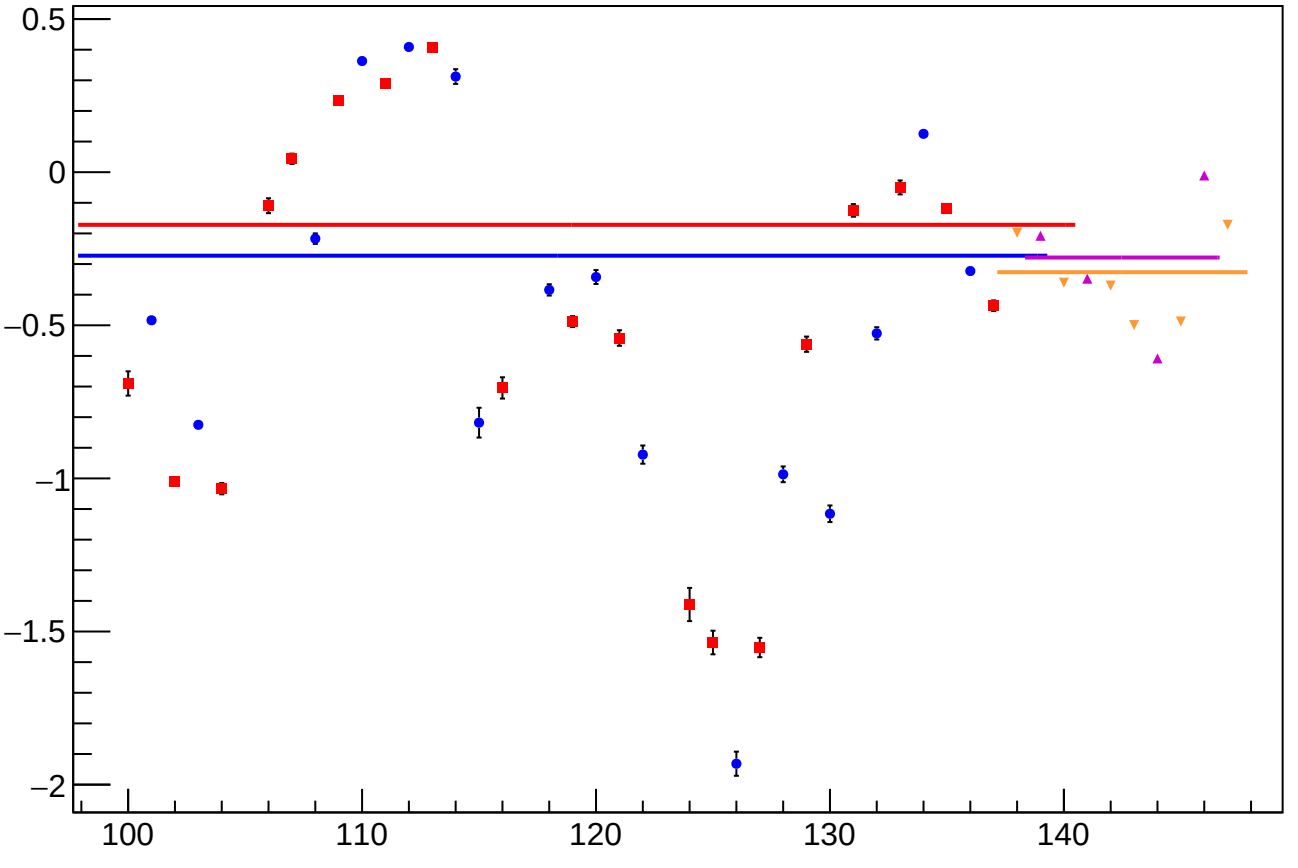
Left: 3.714+/-0.078 χ^2/NDF: 7512.4/9

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: 0.073+/-0.061 χ^2/NDF:9850.0/19

Out: -0.322+/-0.056 χ^2/NDF:7891.0/24

All: -0.142+/-0.041 χ^2/NDF: 17764.0/44



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.327+/-0.005 χ^2/NDF:710.9/5

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.279+/-0.005 χ^2/NDF:1220.5/3

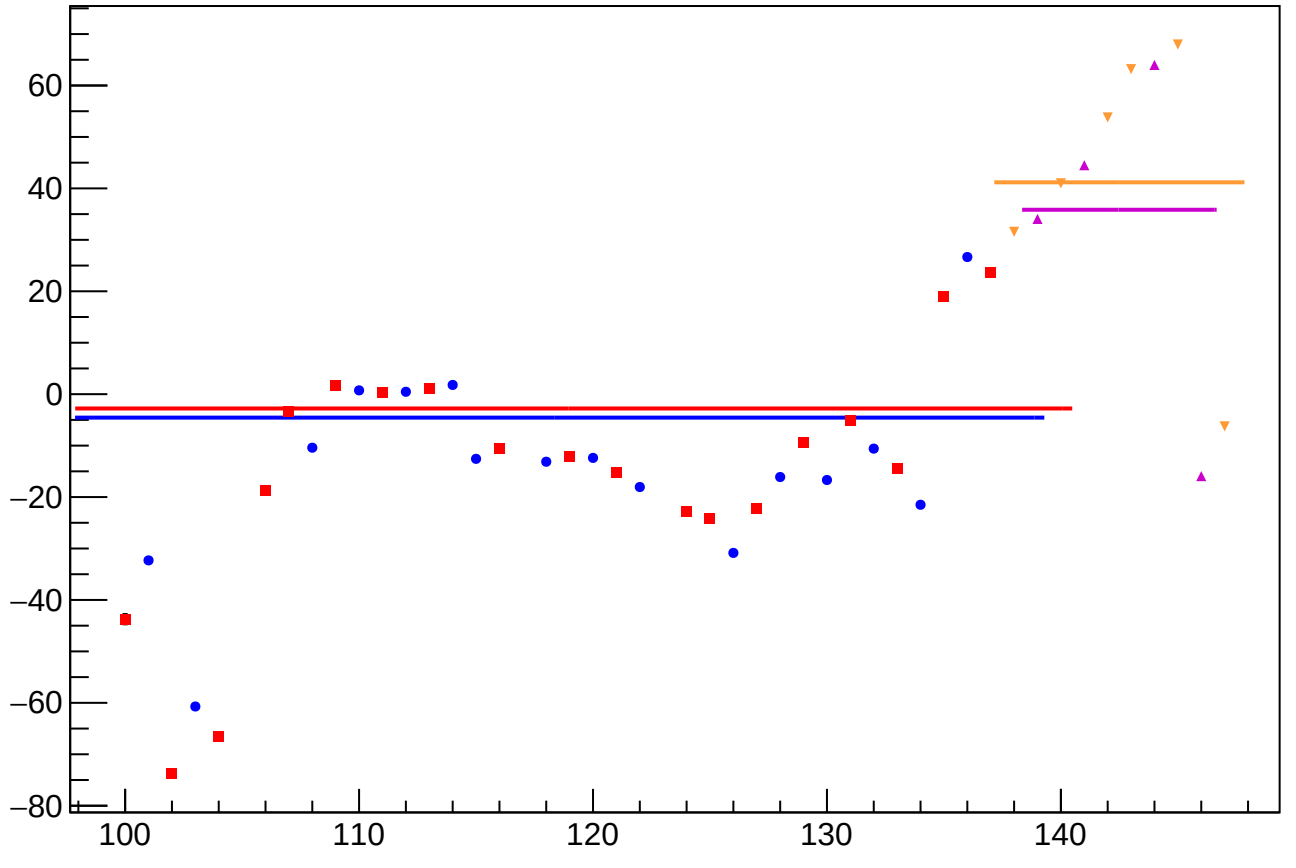
Left: -0.304+/-0.003 χ^2/NDF: 1981.0/9

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.275+/-0.003 χ^2/NDF:13077.7/19

Out: -0.235+/-0.003 χ^2/NDF:16681.9/24

All: -0.253+/-0.002 χ^2/NDF: 29845.4/44



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 41.179+/-0.114 χ^2/NDF:31623.7/5

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 35.845+/-0.124 χ^2/NDF:36189.2/3

Left: 38.745+/-0.084 χ^2/NDF: 68812.3/9

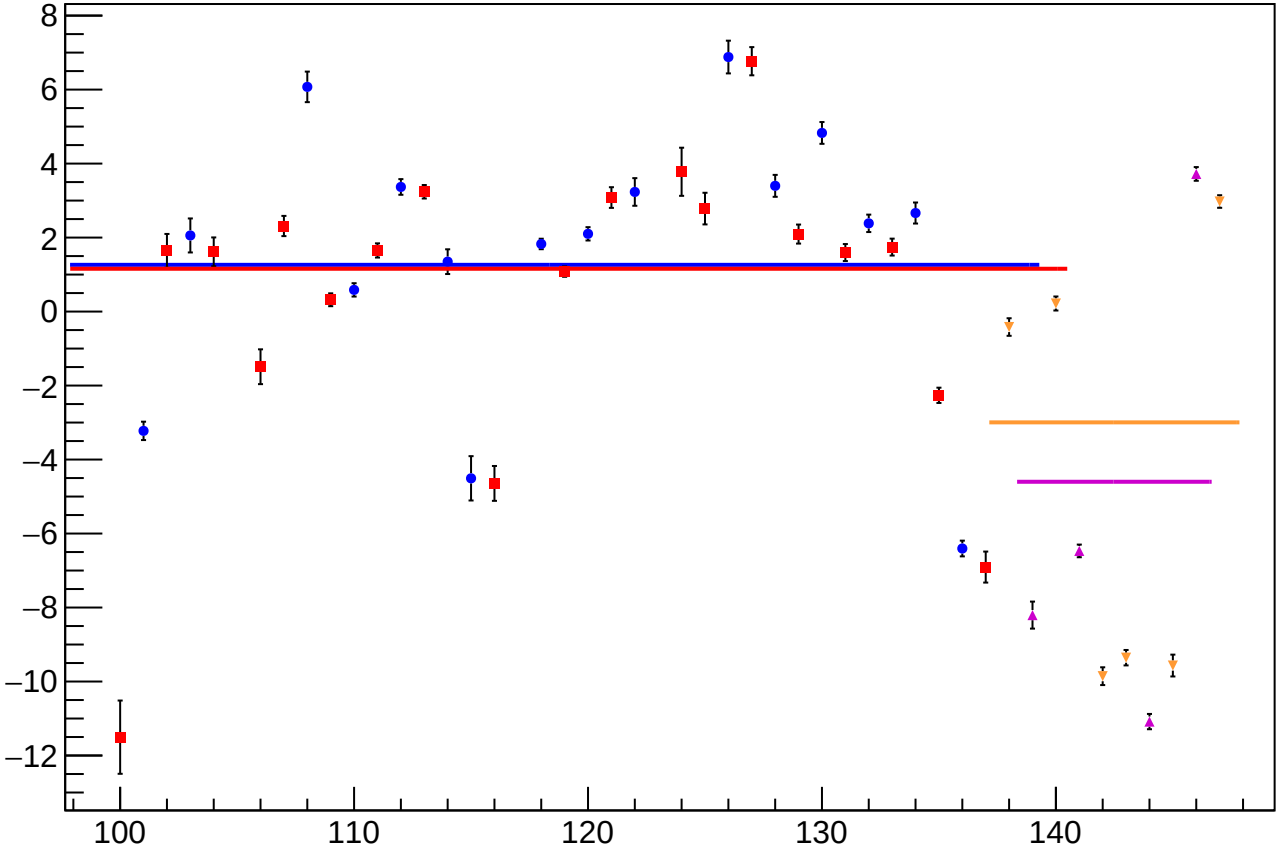
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 2.413+/-0.052 χ^2/NDF:196108.8/19

Out: 3.962+/-0.045 χ^2/NDF:235466.6/24

All: 3.300+/-0.034 χ^2/NDF: 432089.9/44

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -2.995+/-0.087 χ^2/NDF:3874.1/5

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -4.600+/-0.103 χ^2/NDF:3217.5/3

Left: -3.664+/-0.067 χ^2/NDF: 7233.2/9

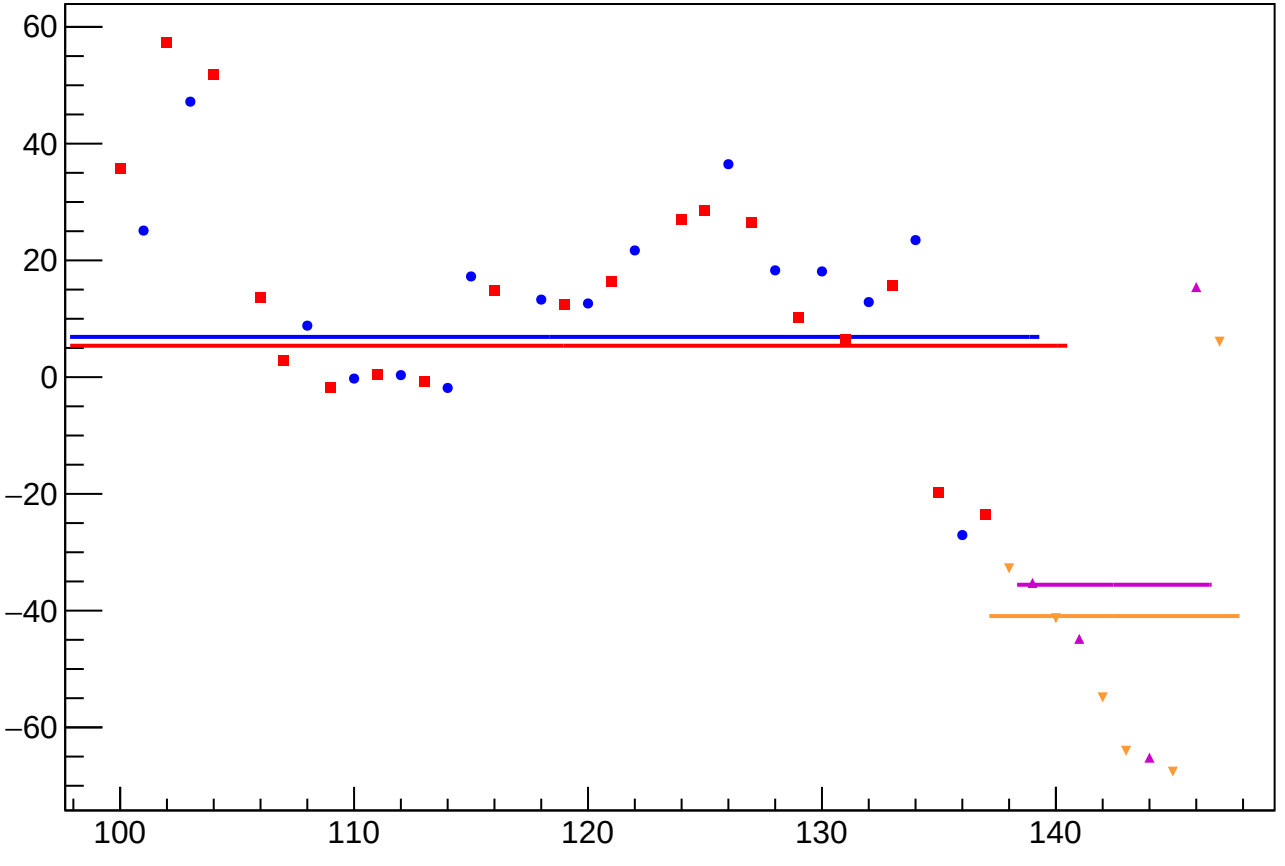
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: -0.297+/-0.053 χ^2/NDF:8037.9/19

Out: -0.152+/-0.049 χ^2/NDF:6920.8/24

All: -0.218+/-0.036 χ^2/NDF: 14962.8/44

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -40.929+/-0.117 χ^2/NDF:33148.7/5

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -35.563+/-0.127 χ^2/NDF:38173.9/3

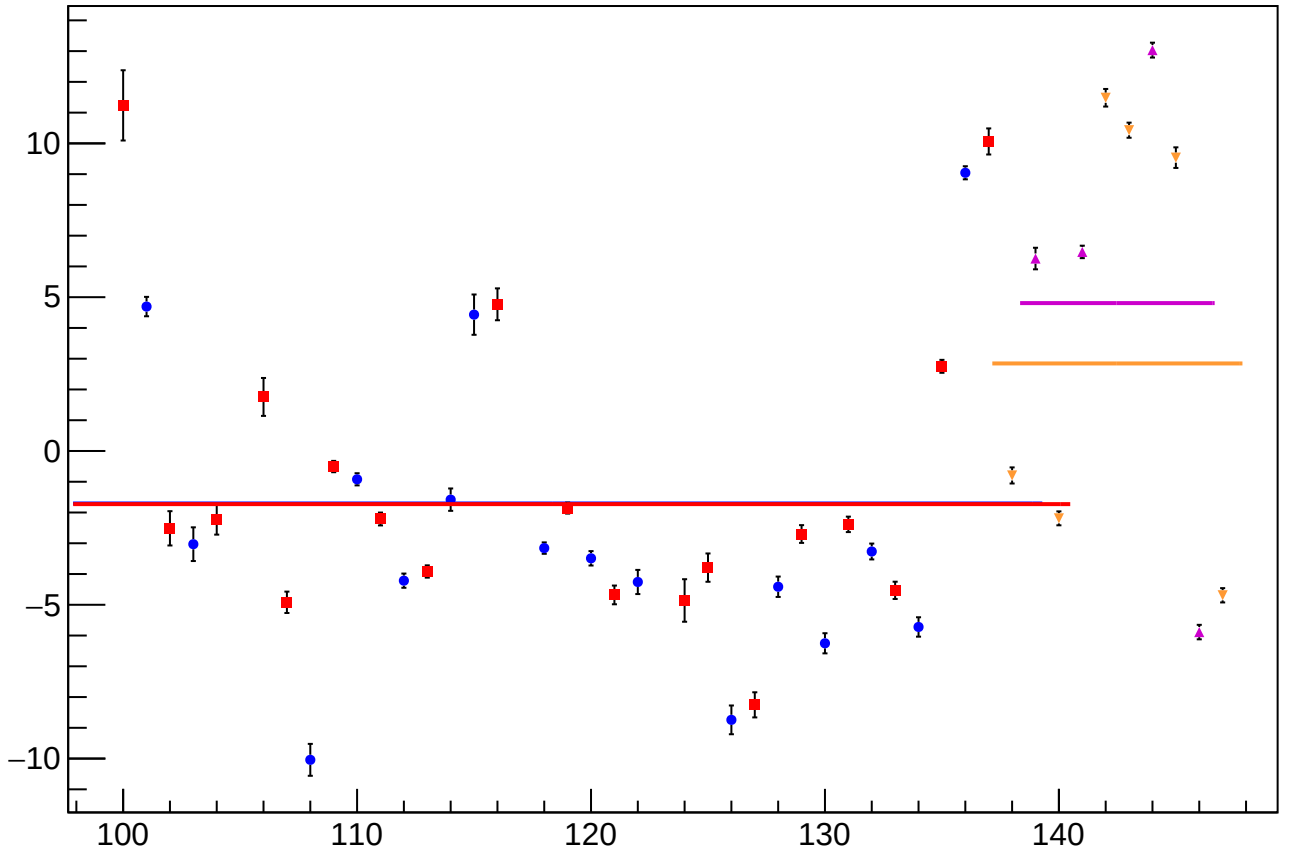
Left: -38.478+/-0.086 χ^2/NDF: 72291.5/9

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -2.419+/-0.060 χ^2/NDF:193364.7/19

Out: -4.755+/-0.055 χ^2/NDF:228738.2/24

All: -3.689+/-0.040 χ^2/NDF: 422940.9/44



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 2.846+/-0.105 χ^2/NDF:4001.6/5

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 4.808+/-0.122 χ^2/NDF:3299.0/3

Left: 3.685+/-0.080 χ^2/NDF: 7449.4/9

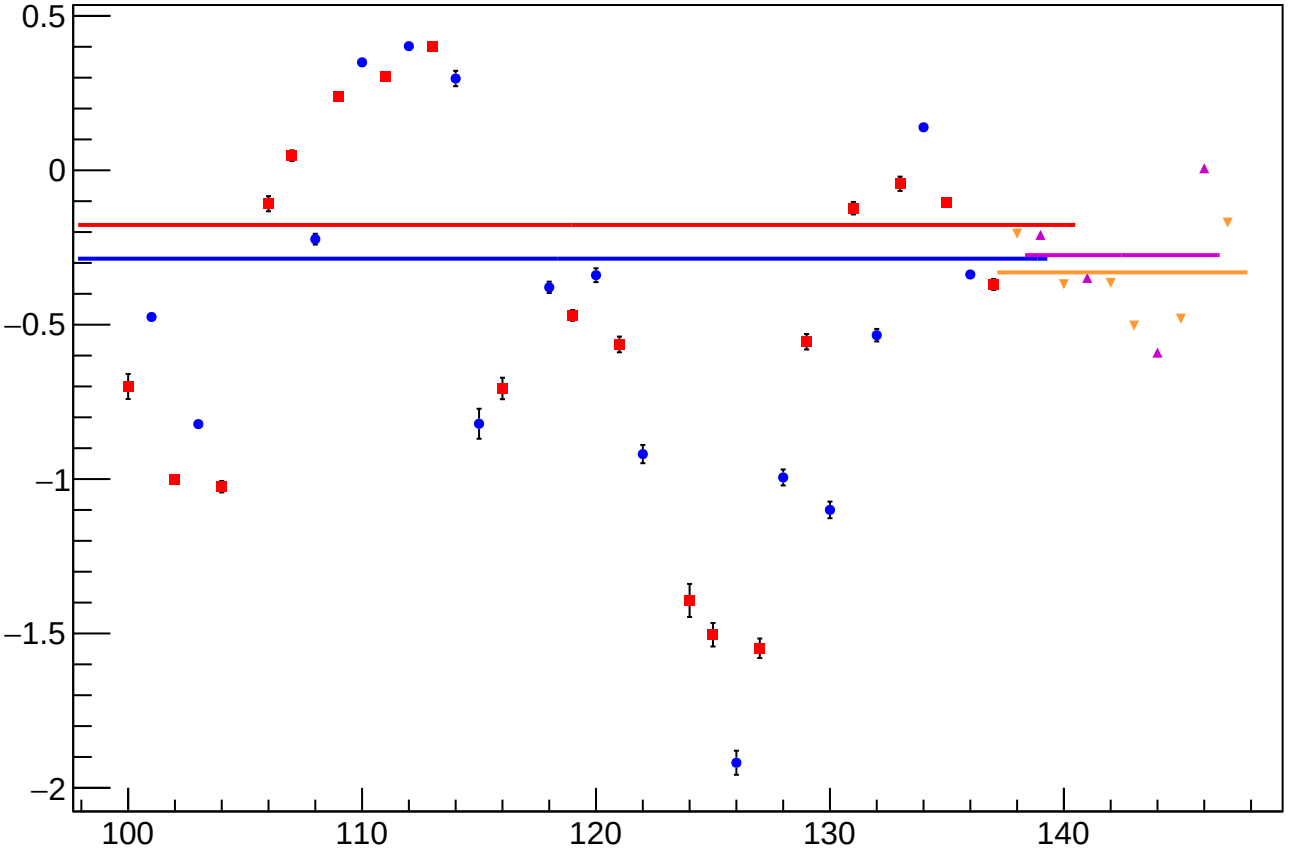
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.033+/-0.062 χ^2/NDF:9719.1/19

Out: -0.413+/-0.056 χ^2/NDF:7656.5/24

All: -0.240+/-0.042 χ^2/NDF: 17396.2/44

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.331+/-0.005 χ^2/NDF:662.4/5

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.275+/-0.005 χ^2/NDF:1159.0/3

Left: -0.304+/-0.003 χ^2/NDF: 1886.5/9

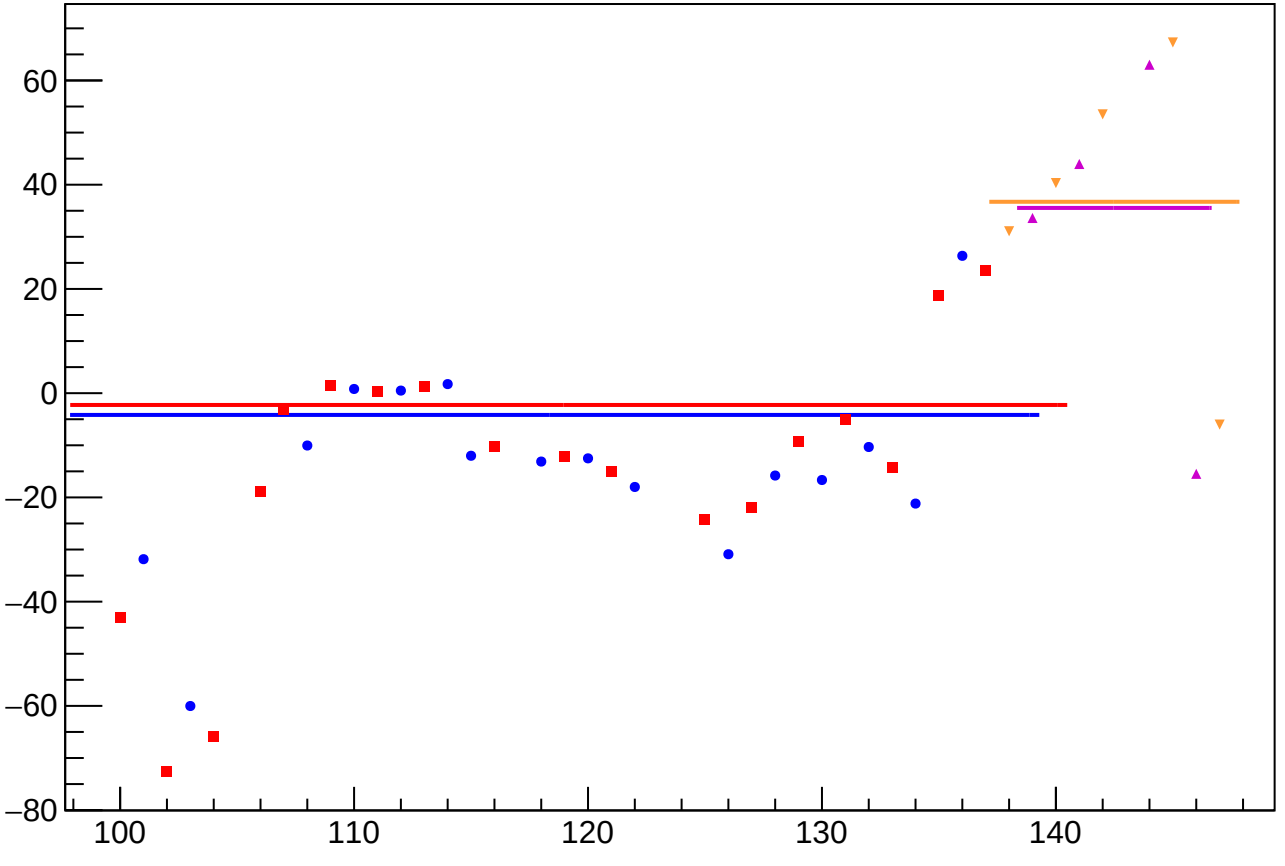
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.281+/-0.003 χ^2/NDF:12523.1/19

Out: -0.239+/-0.003 χ^2/NDF:16044.8/24

All: -0.259+/-0.002 χ^2/NDF: 28656.7/44

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: 36.723+/-0.120 χ^2/NDF:25416.2/4

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 35.543+/-0.121 χ^2/NDF:36565.0/3

Left: 36.136+/-0.085 χ^2/NDF: 62029.3/8

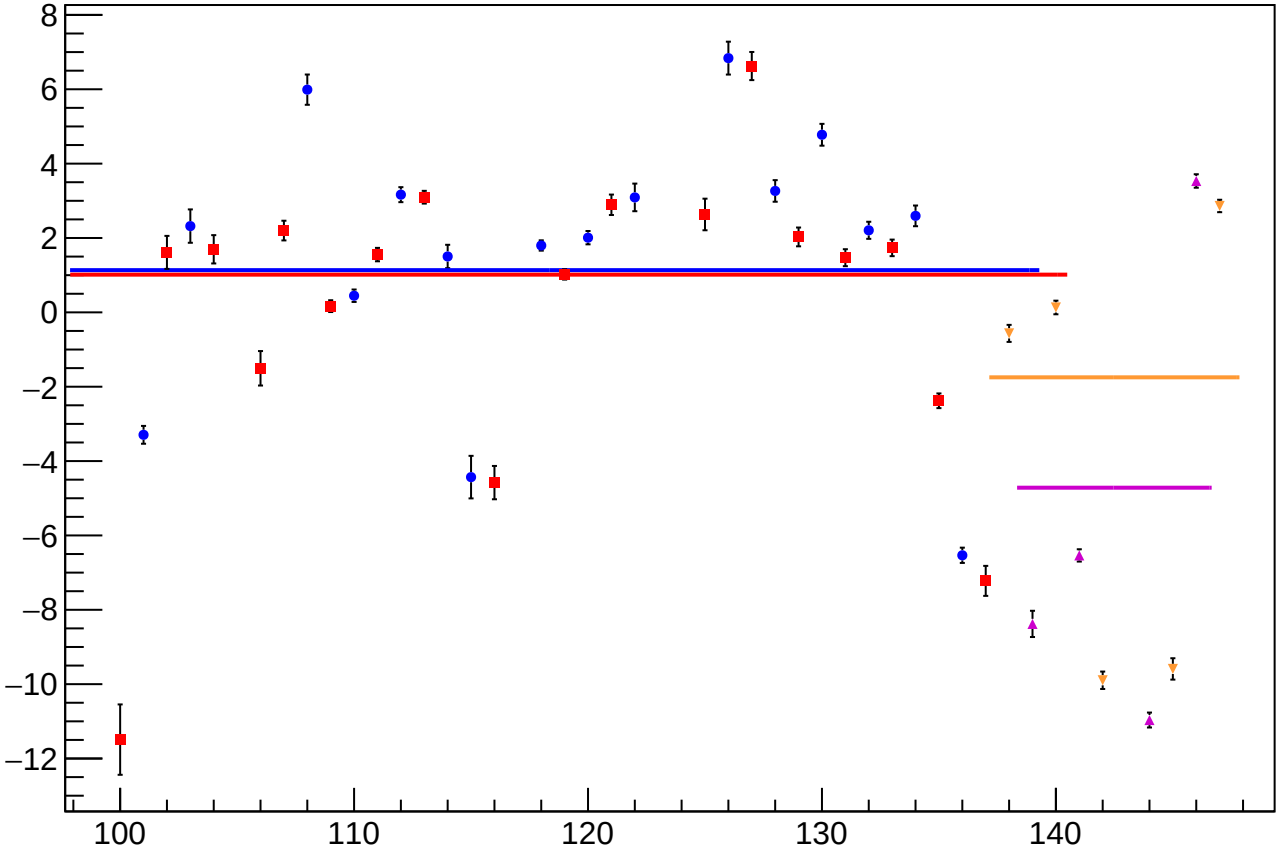
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 2.553+/-0.050 χ^2/NDF:202058.5/19

Out: 2.740+/-0.043 χ^2/NDF:197018.4/22

All: 2.659+/-0.032 χ^2/NDF: 399085.1/42

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -1.748+/-0.093 χ^2/NDF:2845.7/4

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -4.716+/-0.100 χ^2/NDF:3265.4/3

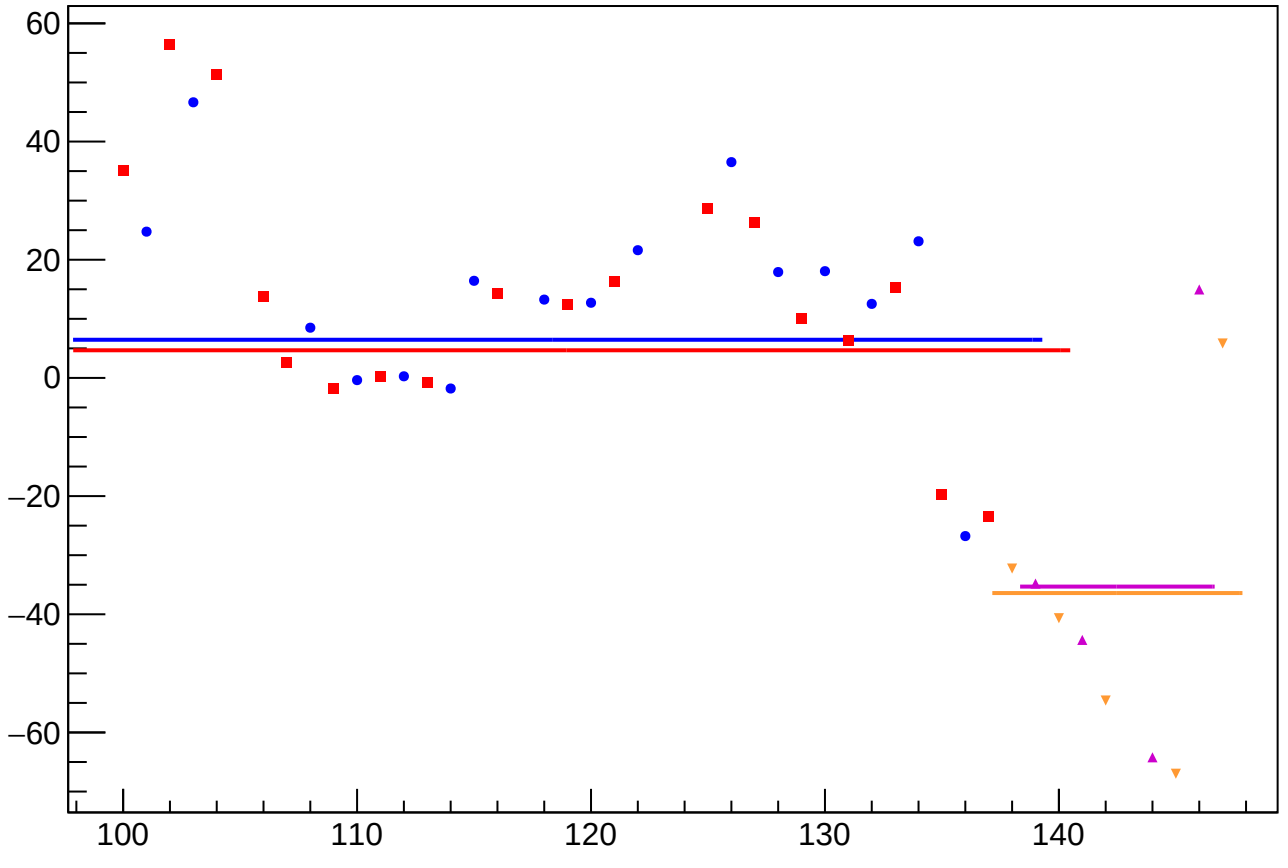
Left: -3.126+/-0.068 χ^2/NDF: 6581.6/8

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: -0.417+/-0.052 χ^2/NDF:8369.1/19

Out: 0.259+/-0.049 χ^2/NDF:5075.9/22

All: -0.060+/-0.035 χ^2/NDF: 13535.8/42



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -36.407+/-0.123 χ^2/NDF:26690.8/4

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -35.314+/-0.123 χ^2/NDF:38593.0/3

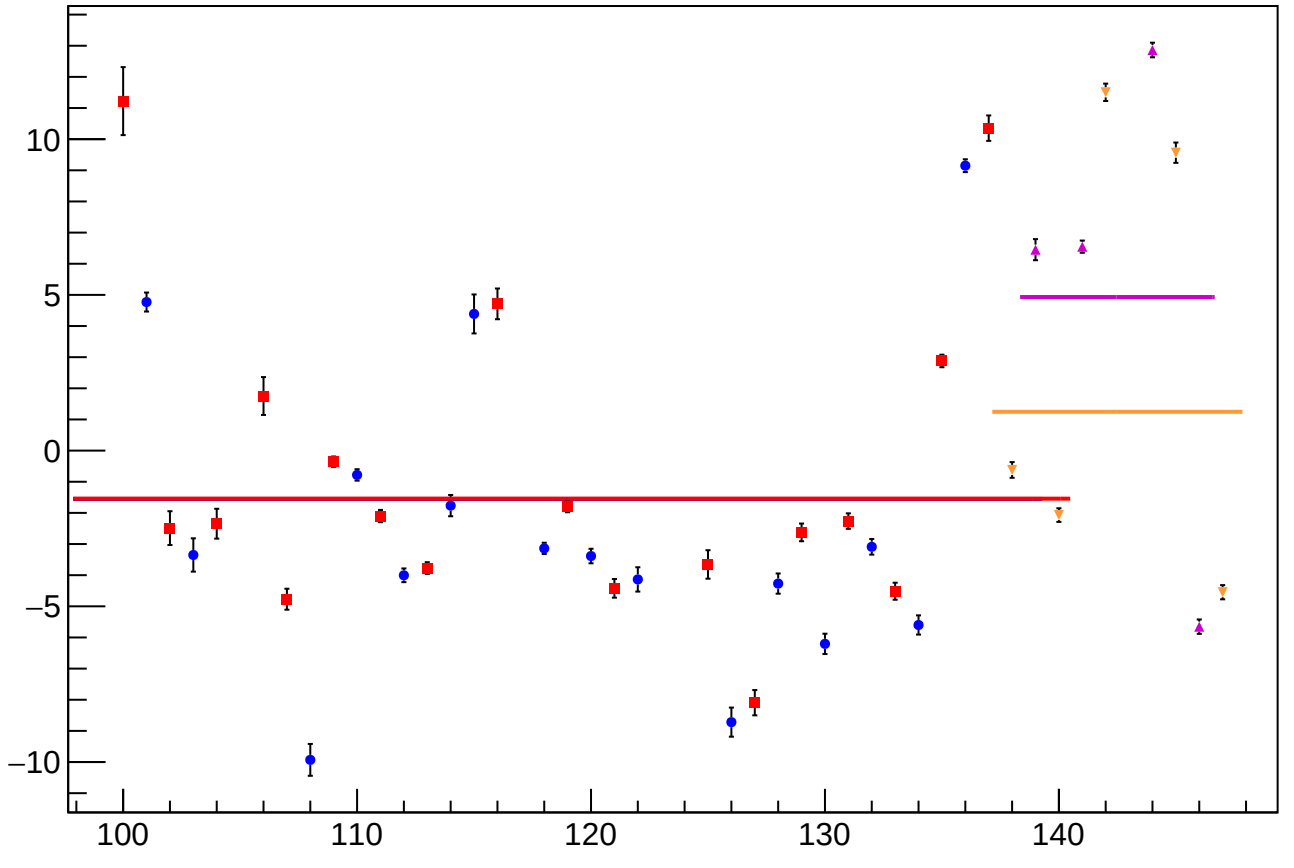
Left: -35.863+/-0.087 χ^2/NDF: 65323.2/8

Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -2.627+/-0.057 χ^2/NDF:199321.8/19

Out: -3.064+/-0.053 χ^2/NDF:192197.2/22

All: -2.863+/-0.039 χ^2/NDF: 391550.0/42



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 1.246+/-0.113 χ^2/NDF:2931.5/4

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 4.931+/-0.118 χ^2/NDF:3329.0/3

Left: 3.009+/-0.082 χ^2/NDF: 6767.4/8

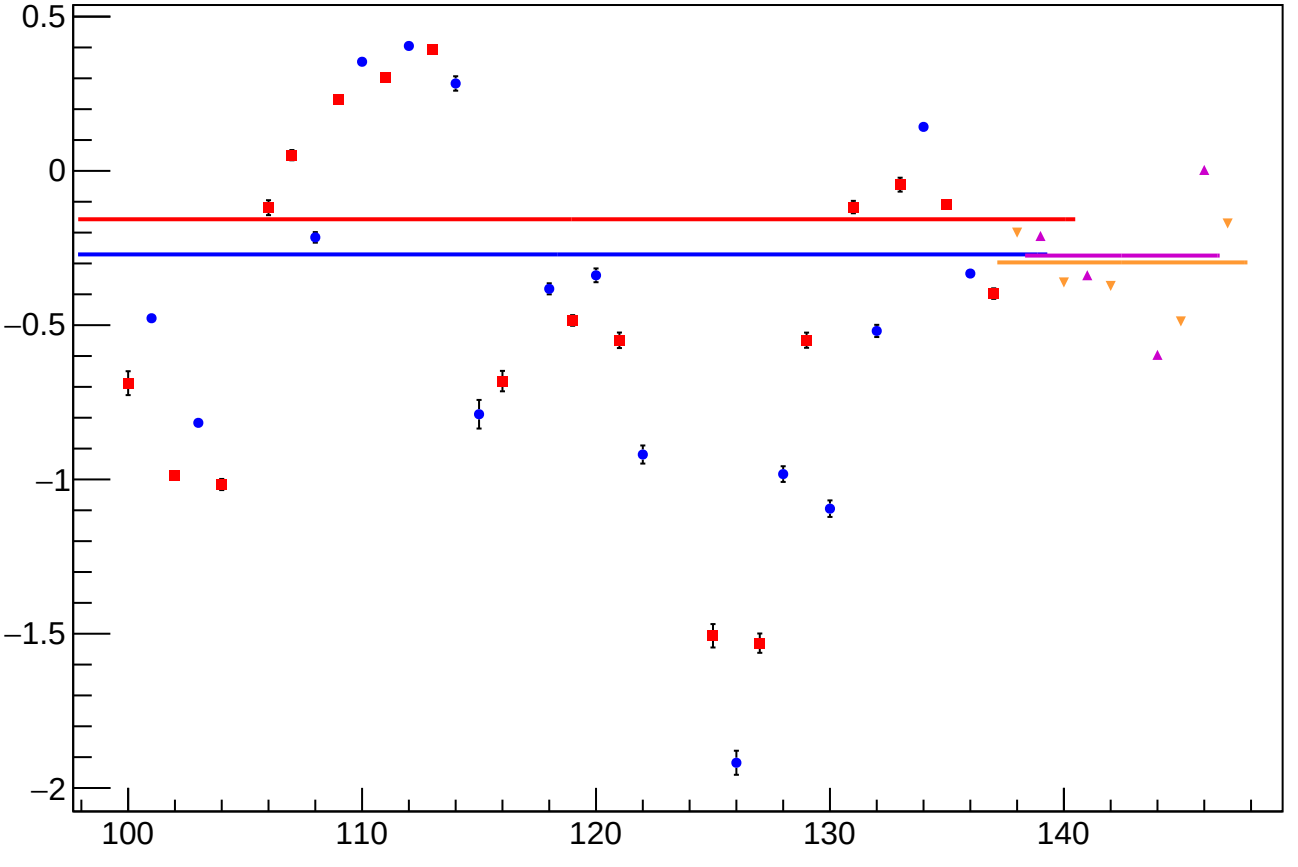
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: 0.107+/-0.060 χ^2/NDF:10110.9/19

Out: -0.858+/-0.056 χ^2/NDF:5862.6/22

All: -0.407+/-0.041 χ^2/NDF: 16112.1/42

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: -0.297+/-0.005 χ^2/NDF:473.8/4

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.274+/-0.005 χ^2/NDF:1213.1/3

Left: -0.285+/-0.003 χ^2/NDF: 1697.0/8

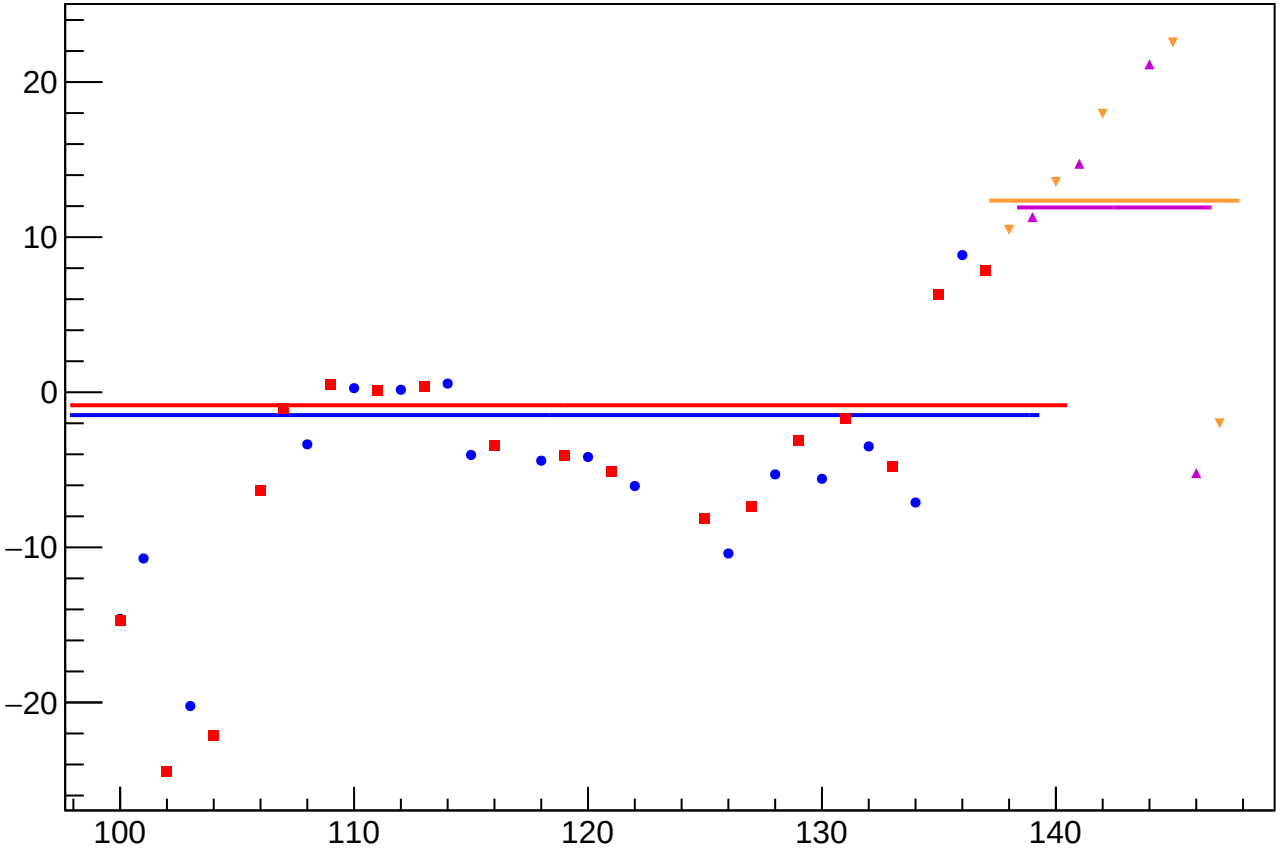
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.272+/-0.003 χ^2/NDF:13309.5/19

Out: -0.208+/-0.003 χ^2/NDF:15986.3/22

All: -0.239+/-0.002 χ^2/NDF: 29515.1/42

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 12.356+/-0.041 χ^2/NDF:25029.1/4

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 11.915+/-0.041 χ^2/NDF:36141.9/3

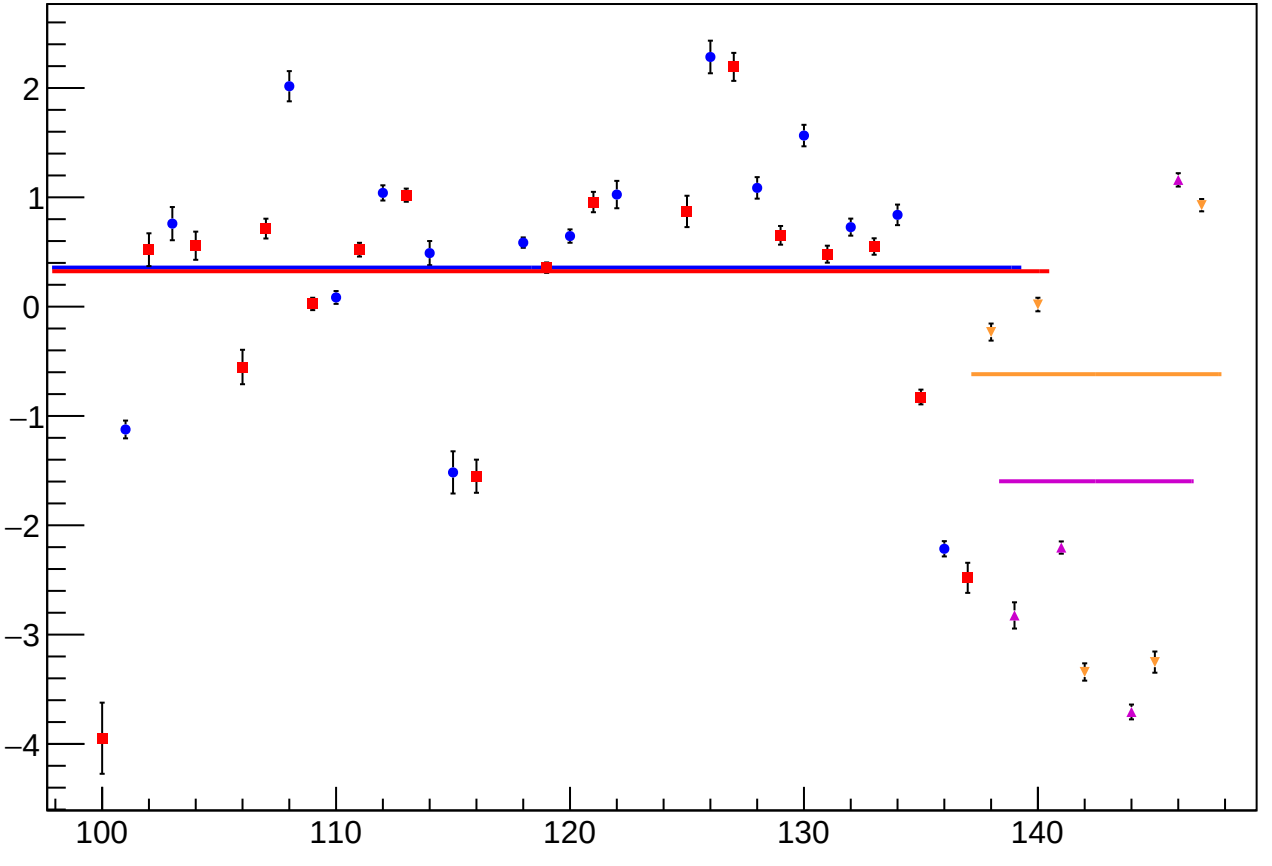
Left: 12.136+/-0.029 χ^2/NDF: 61229.2/8

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.850+/-0.017 χ^2/NDF:198490.1/19

Out: 0.931+/-0.015 χ^2/NDF:193871.7/22

All: 0.896+/-0.011 χ^2/NDF: 392374.5/42



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.618+/-0.032 χ^2/NDF:2801.0/4

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -1.597+/-0.034 χ^2/NDF:3215.3/3

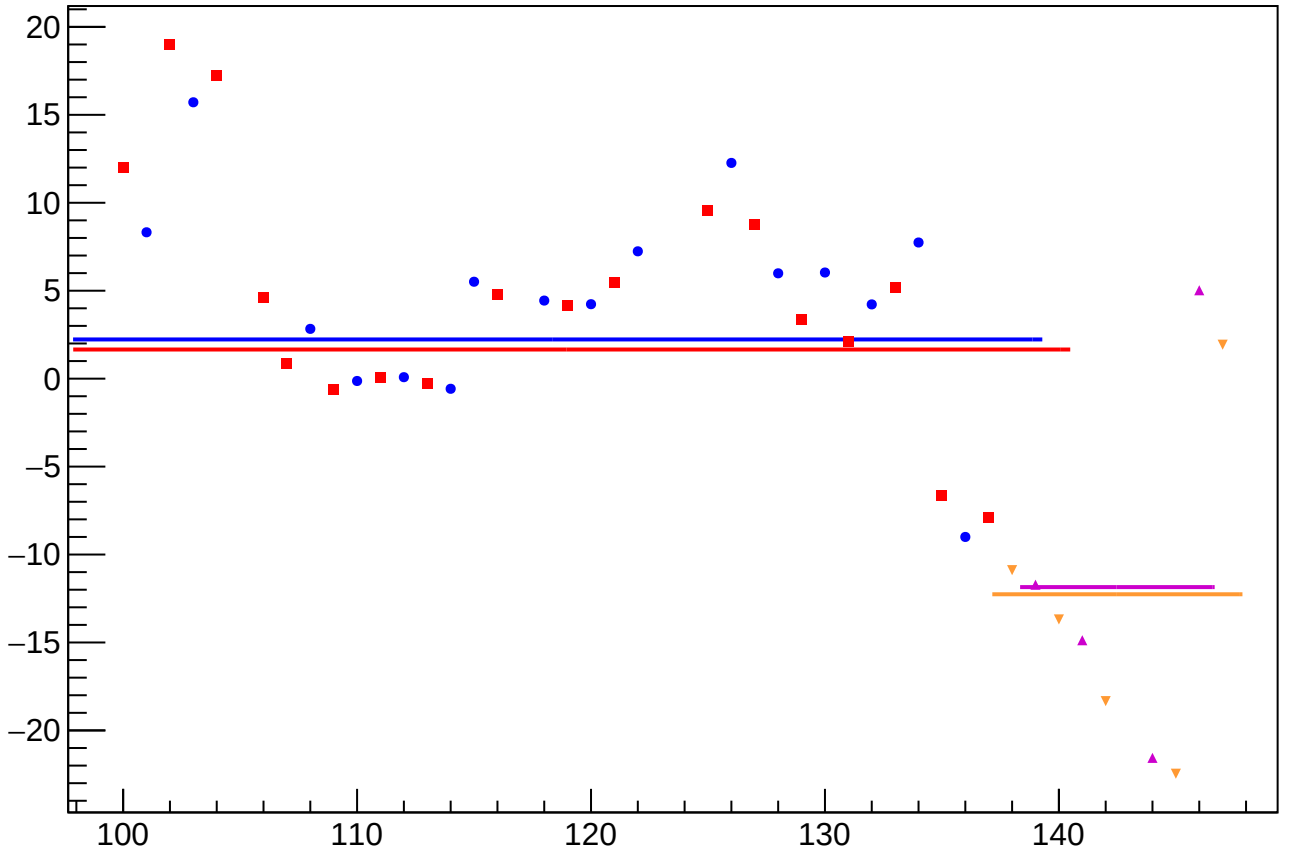
Left: -1.073+/-0.023 χ^2/NDF: 6463.6/8

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: -0.170+/-0.018 χ^2/NDF:8188.4/19

Out: 0.060+/-0.017 χ^2/NDF:5000.1/22

All: -0.049+/-0.012 χ^2/NDF: 13277.9/42



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -12.259+/-0.042 χ^2/NDF:26313.1/4

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -11.851+/-0.042 χ^2/NDF:38155.5/3

Left: -12.056+/-0.029 χ^2/NDF: 64516.5/8

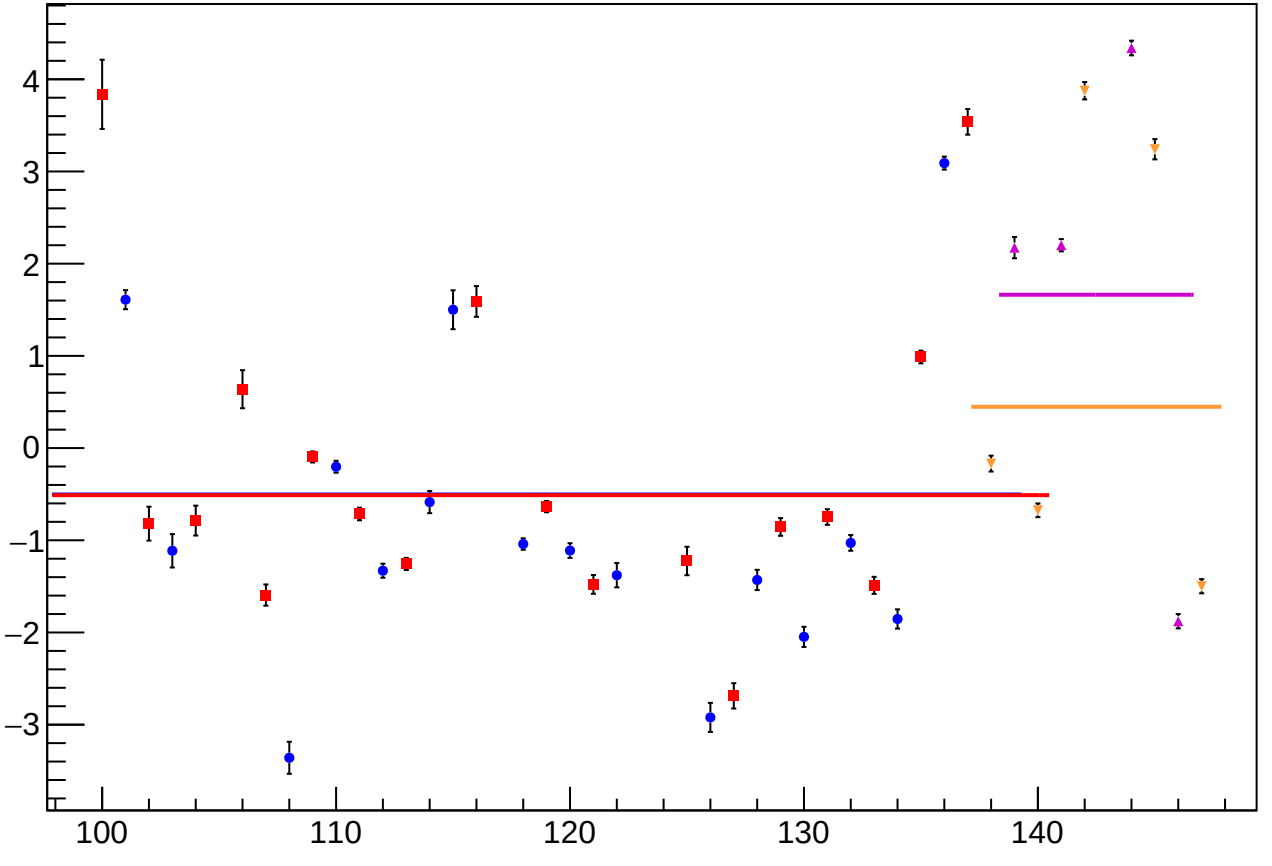
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.885+/-0.020 χ^2/NDF:195849.4/19

Out: -1.049+/-0.018 χ^2/NDF:189179.6/22

All: -0.973+/-0.013 χ^2/NDF: 385066.5/42

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: 0.448+/-0.038 χ^2/NDF:2883.9/4

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 1.663+/-0.040 χ^2/NDF:3284.9/3

Left: 1.030+/-0.028 χ^2/NDF: 6649.6/8

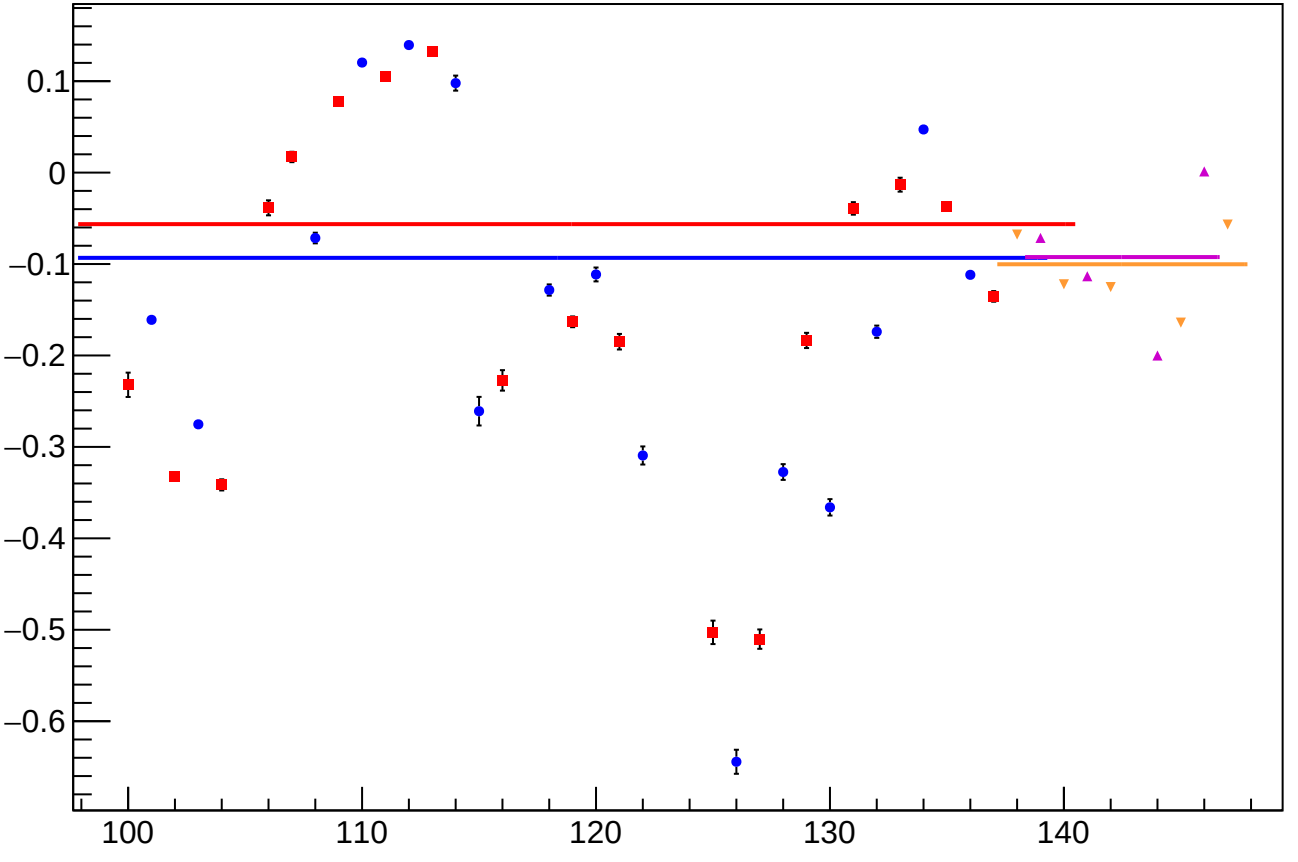
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: 0.060+/-0.020 χ^2/NDF:9902.3/19

Out: -0.269+/-0.019 χ^2/NDF:5775.2/22

All: -0.114+/-0.014 χ^2/NDF: 15814.7/42

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: -0.100+/-0.002 χ^2/NDF:466.3/4

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.092+/-0.002 χ^2/NDF:1193.4/3

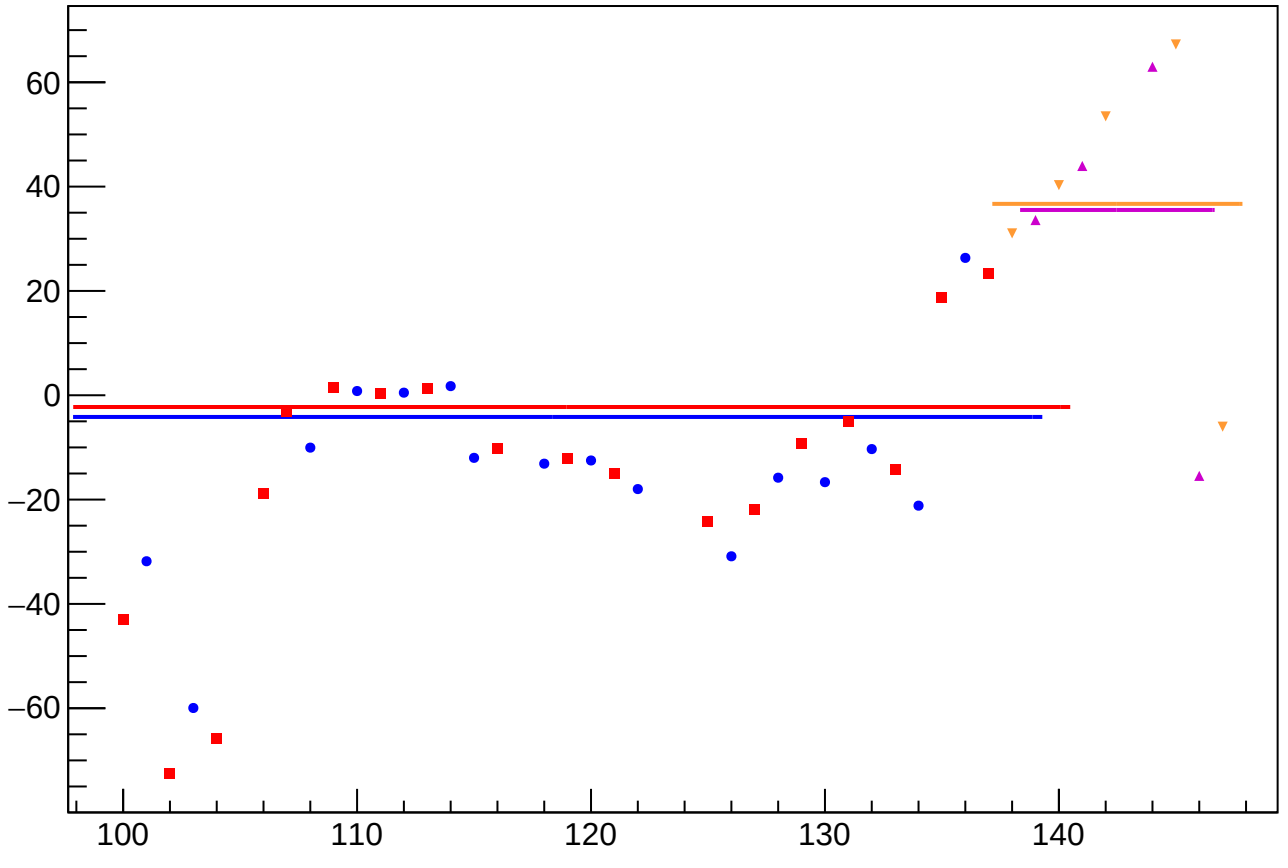
Left: -0.096+/-0.001 χ^2/NDF: 1670.7/8

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.093+/-0.001 χ^2/NDF:12935.9/19

Out: -0.073+/-0.001 χ^2/NDF:15341.0/22

All: -0.082+/-0.001 χ^2/NDF: 28461.8/42



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 36.691+/-0.120 χ^2/NDF:25427.8/4

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 35.520+/-0.120 χ^2/NDF:36566.0/3

Left: 36.108+/-0.085 χ^2/NDF: 62041.2/8

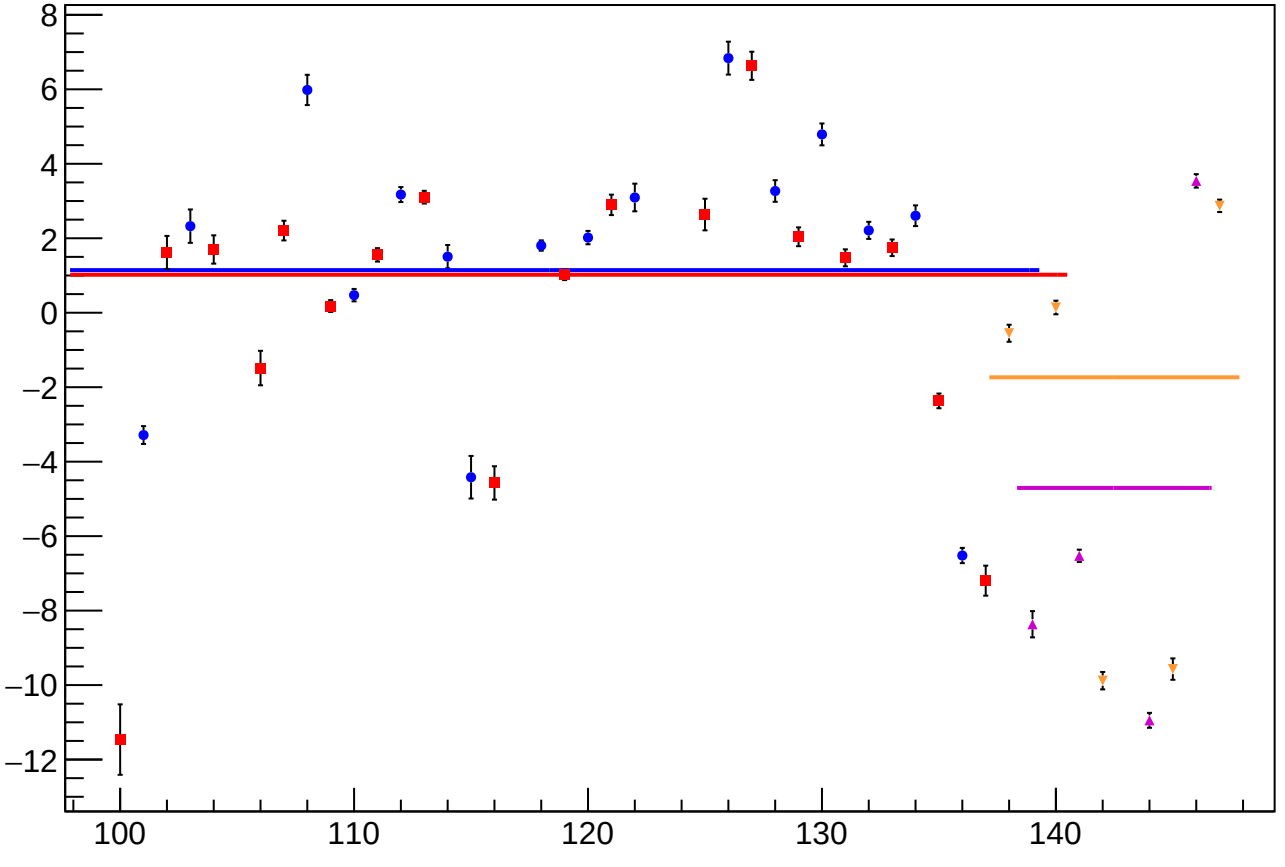
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 2.554+/-0.050 χ^2/NDF:202074.8/19

Out: 2.738+/-0.043 χ^2/NDF:197019.1/22

All: 2.659+/-0.032 χ^2/NDF: 399101.7/42

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -1.735+/-0.093 χ^2/NDF:2846.8/4

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -4.705+/-0.100 χ^2/NDF:3266.5/3

Left: -3.114+/-0.068 χ^2/NDF: 6585.2/8

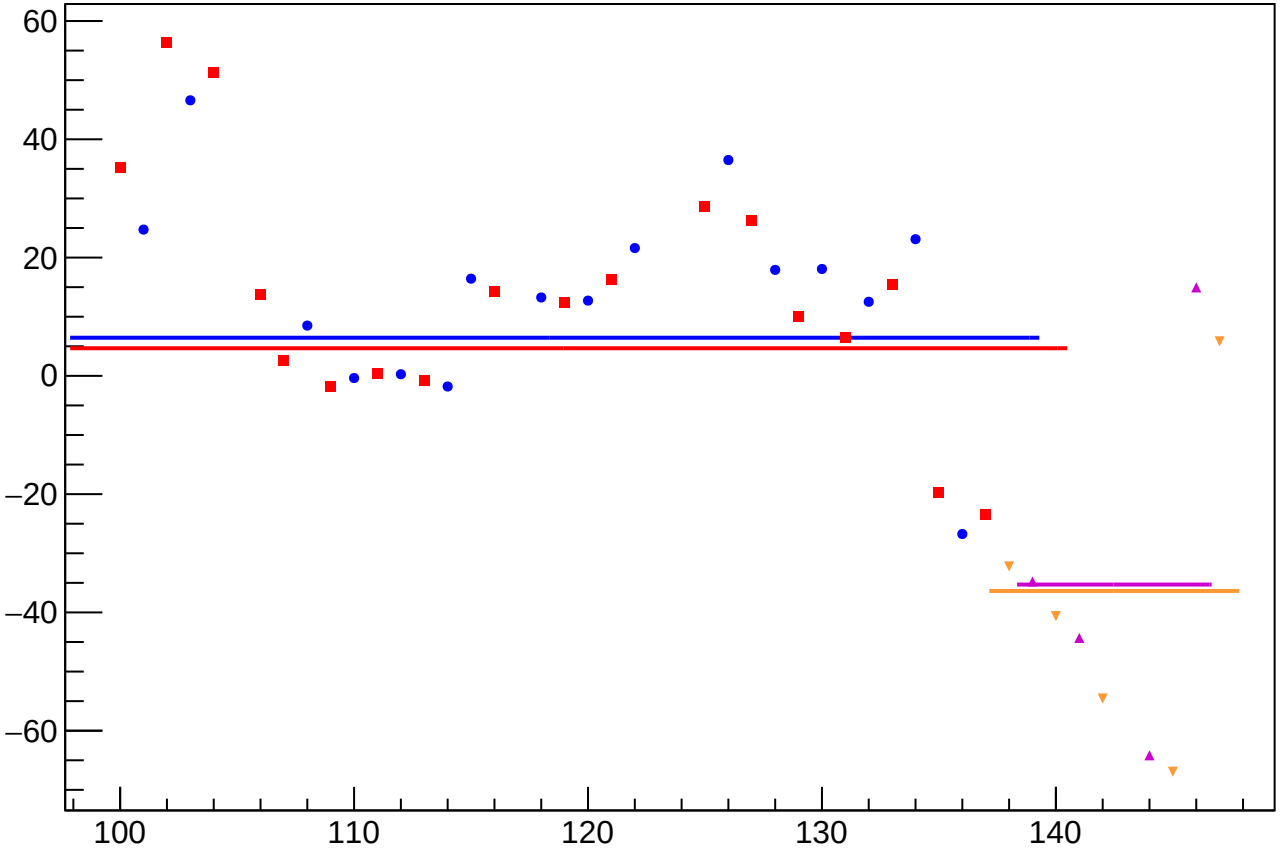
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: -0.407+/-0.052 χ^2/NDF:8372.2/19

Out: 0.268+/-0.049 χ^2/NDF:5073.4/22

All: -0.051+/-0.035 χ^2/NDF: 13536.2/42

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -36.369+/-0.123 χ^2/NDF:26700.7/4

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -35.285+/-0.123 χ^2/NDF:38593.0/3

Left: -35.830+/-0.087 χ^2/NDF: 65332.7/8

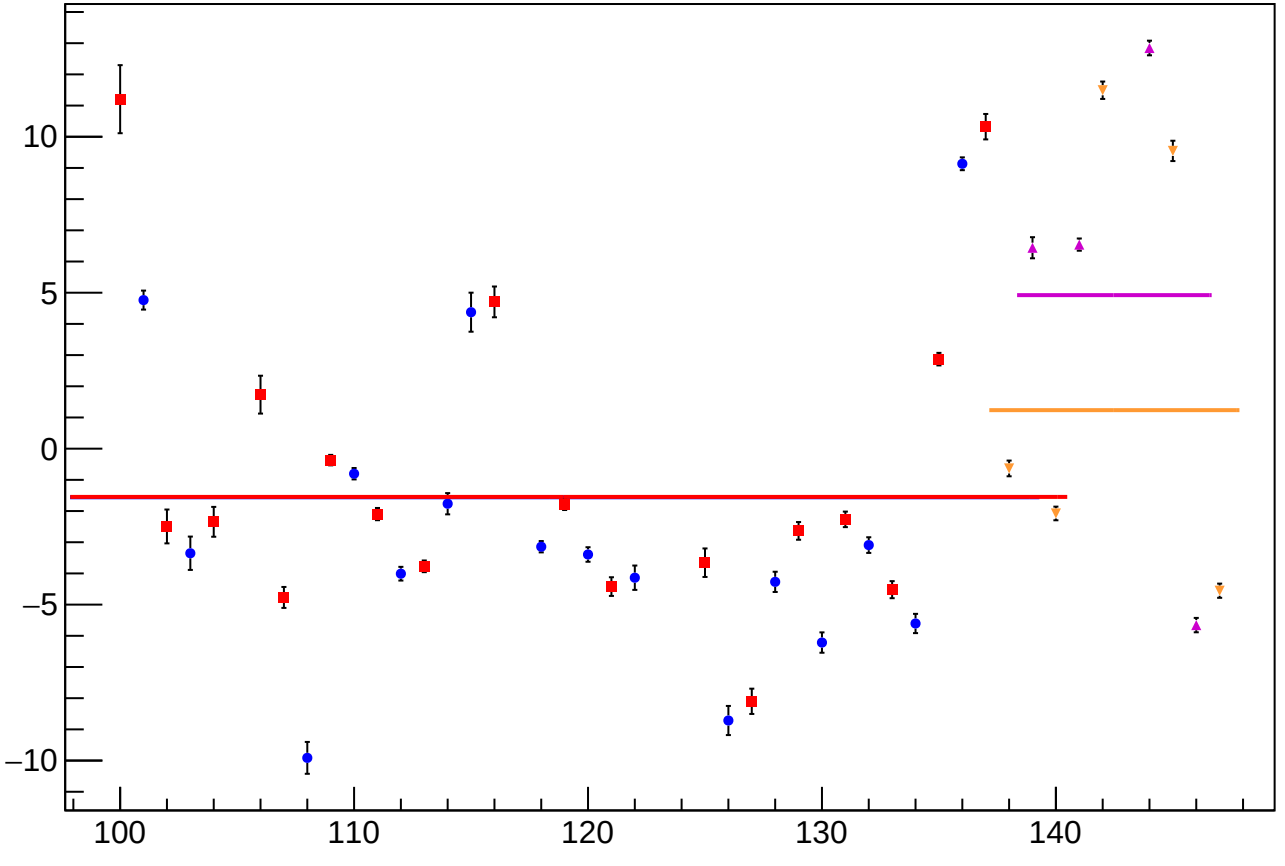
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -2.624+/-0.057 χ^2/NDF:199331.1/19

Out: -3.056+/-0.053 χ^2/NDF:192191.3/22

All: -2.856+/-0.039 χ^2/NDF: 391552.8/42

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 1.235+/-0.113 χ^2/NDF:2932.5/4

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 4.922+/-0.118 χ^2/NDF:3329.4/3

Left: 2.999+/-0.082 χ^2/NDF: 6770.5/8

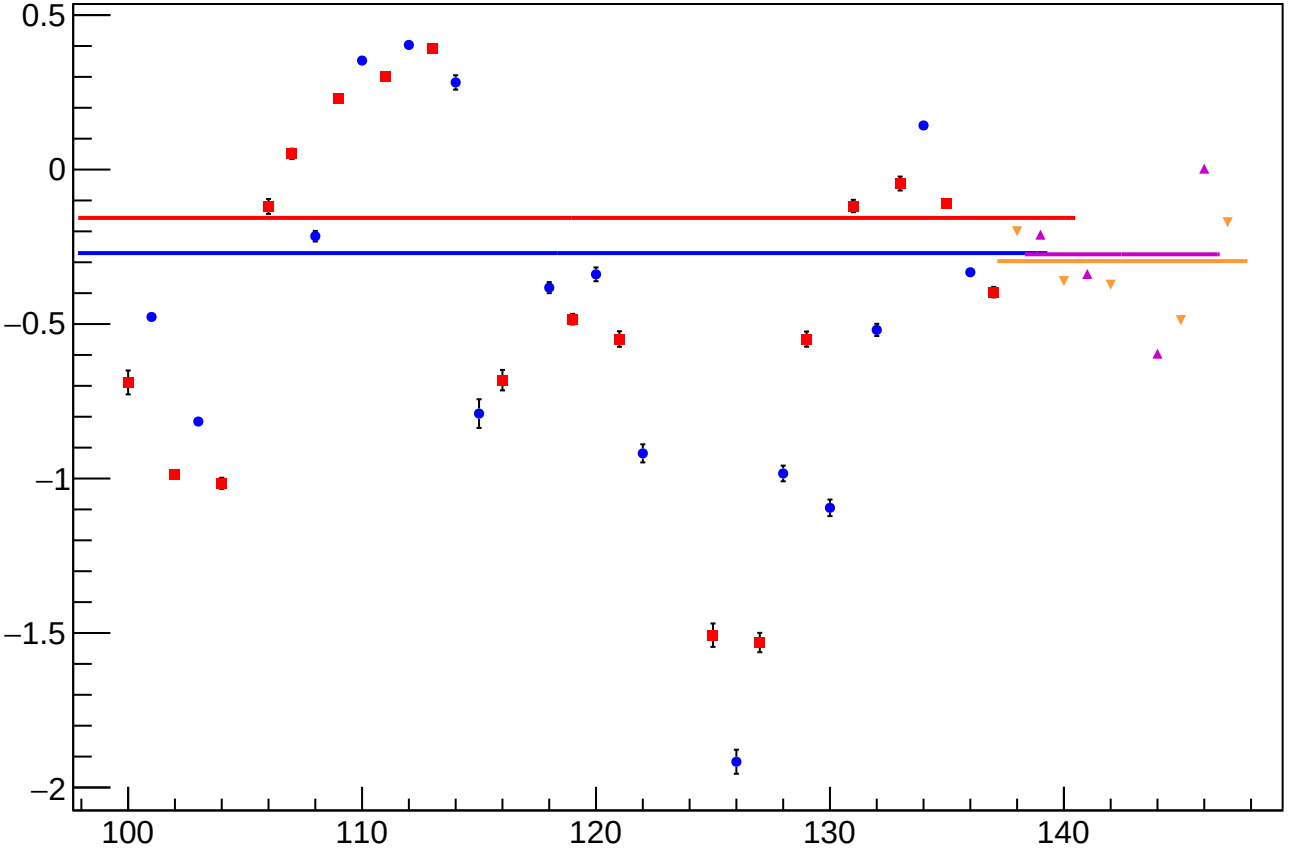
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: 0.099+/-0.060 χ^2/NDF:10113.2/19

Out: -0.864+/-0.056 χ^2/NDF:5858.9/22

All: -0.413+/-0.041 χ^2/NDF: 16110.4/42

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: -0.296+/-0.005 χ^2/NDF:473.6/4

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.274+/-0.005 χ^2/NDF:1213.5/3

Left: -0.285+/-0.003 χ^2/NDF: 1697.1/8

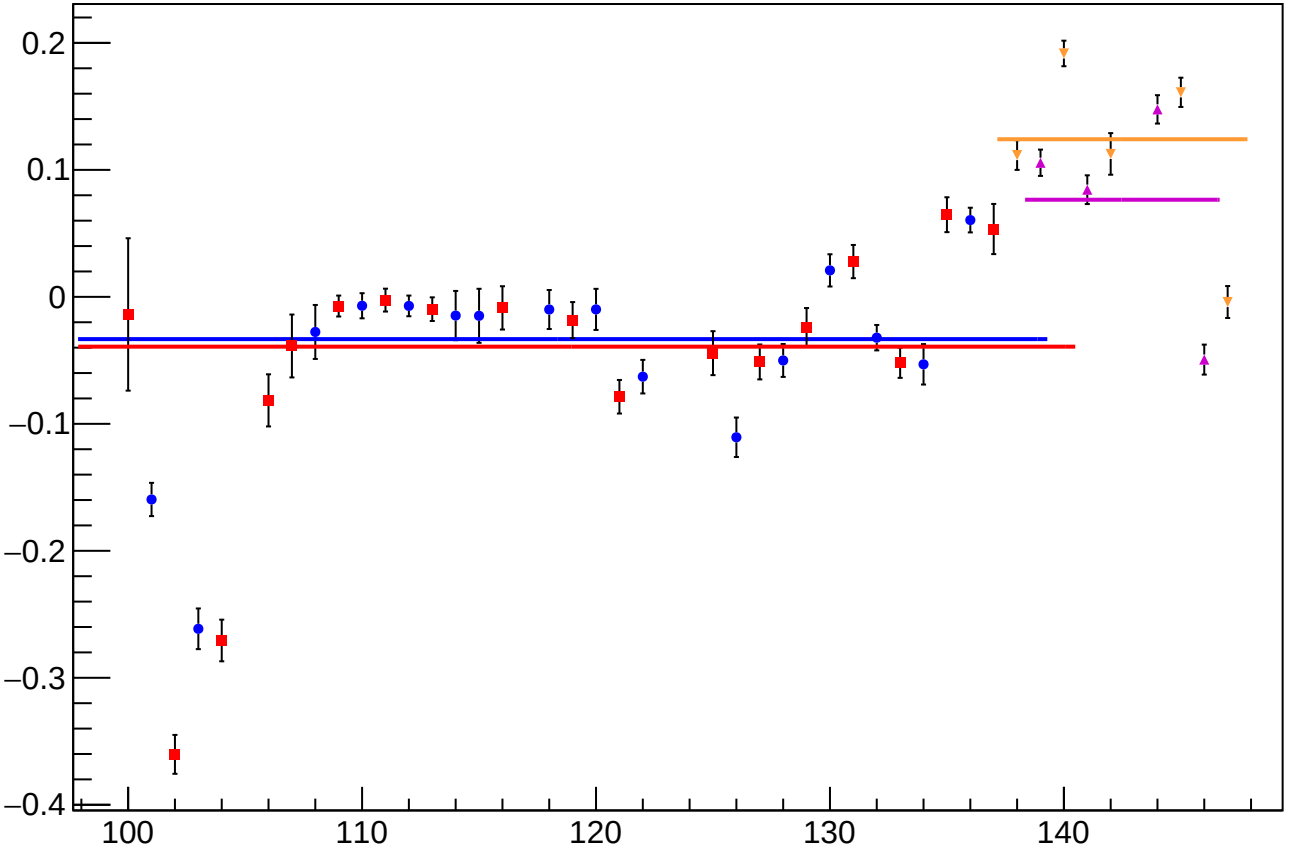
Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.272+/-0.003 χ^2/NDF:13310.7/19

Out: -0.207+/-0.003 χ^2/NDF:15998.1/22

All: -0.238+/-0.002 χ^2/NDF: 29529.0/42

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.124+/-0.005 χ^2/NDF:160.9/4

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.076+/-0.006 χ^2/NDF:162.7/3

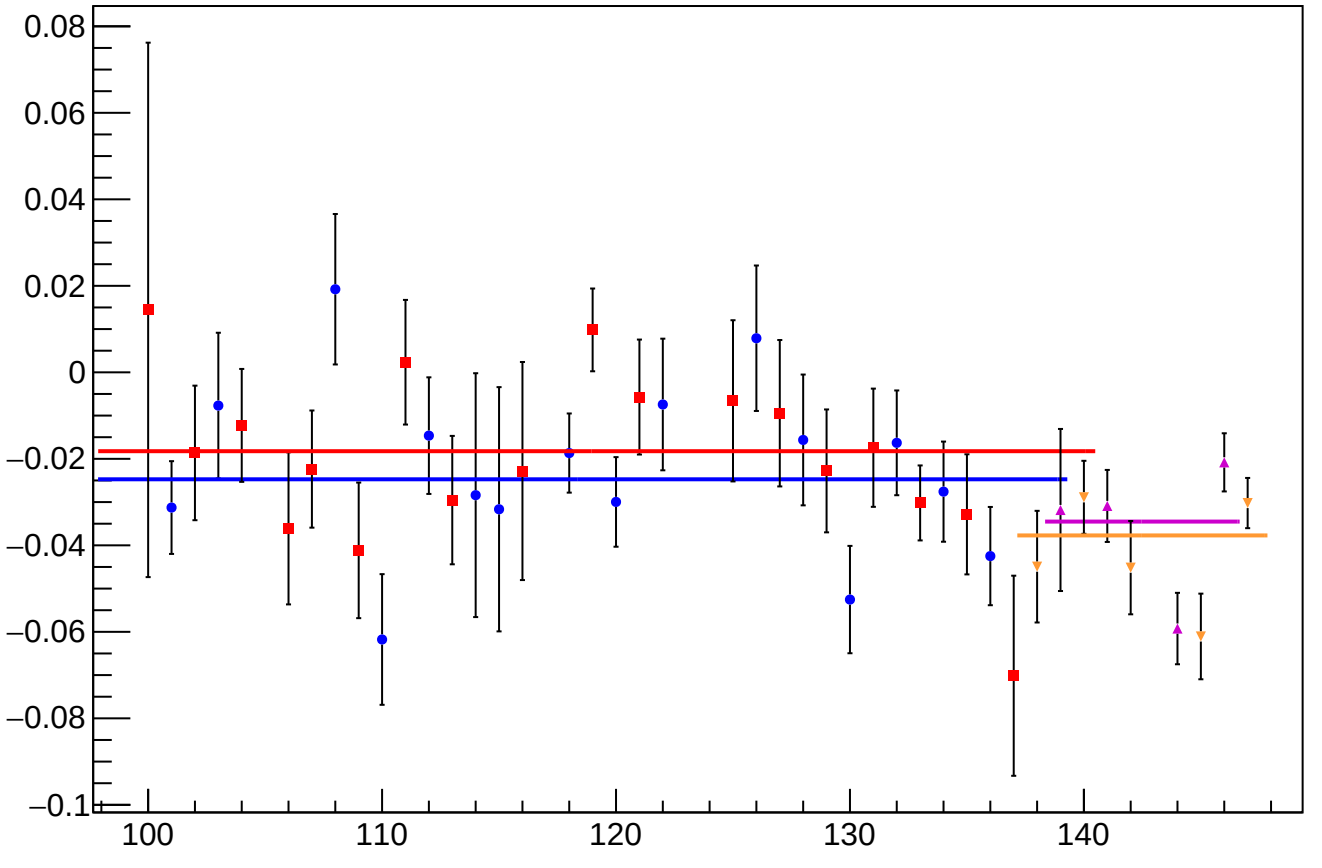
Left: 0.101+/-0.004 χ^2/NDF: 361.6/8

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

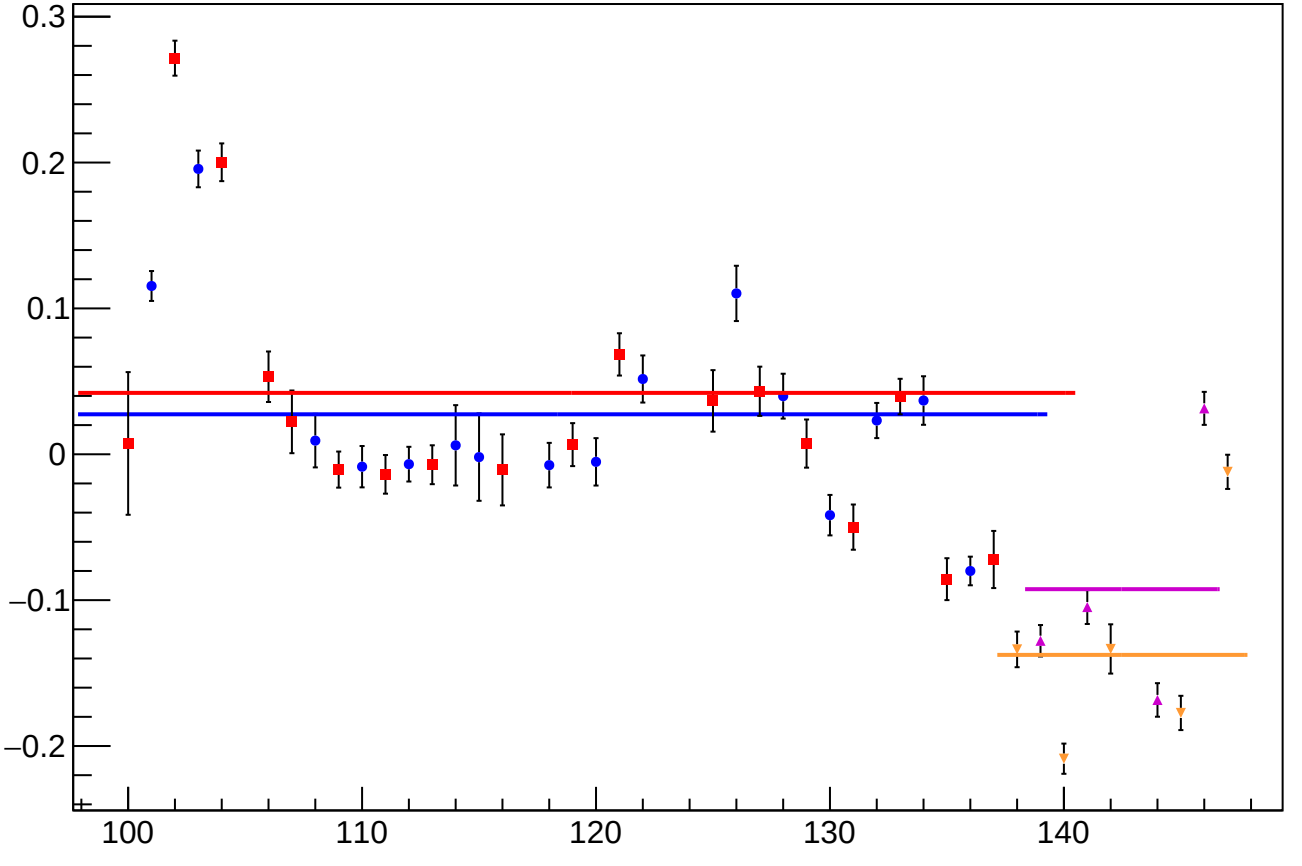
In: -0.006+/-0.003 χ^2/NDF:917.9/19

Out: 0.003+/-0.003 χ^2/NDF:1654.6/22

All: -0.001+/-0.002 χ^2/NDF: 2577.9/42


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
Right In: -0.025+/-0.003 χ²/NDF: 28.5/15
Left Out: -0.038+/-0.004 χ²/NDF:9.1/4
Right Out: -0.018+/-0.003 χ²/NDF: 24.7/17
Left In: -0.035+/-0.004 χ²/NDF:13.3/3
Left: -0.036+/-0.003 χ²/NDF: 22.7/8
Right: -0.022+/-0.002 χ²/NDF: 55.1/33
In: -0.028+/-0.003 χ²/NDF:45.1/19
Out: -0.027+/-0.003 χ²/NDF:48.4/22
All: -0.028+/-0.002 χ²/NDF: 93.7/42

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.138+/-0.005 χ^2/NDF:173.4/4

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.092+/-0.006 χ^2/NDF:175.5/3

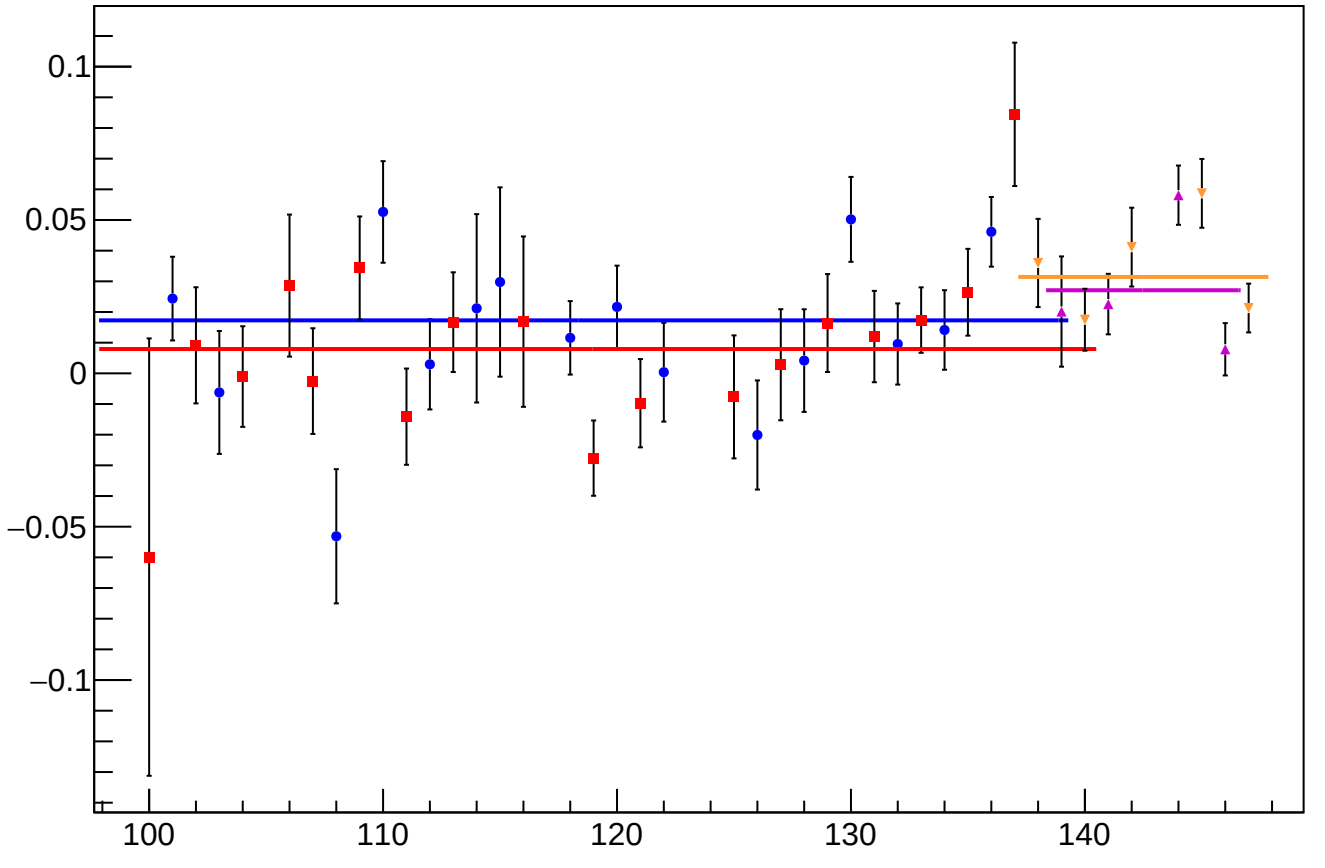
Left: -0.116+/-0.004 χ^2/NDF: 382.0/8

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.007+/-0.003 χ^2/NDF:943.4/19

Out: -0.014+/-0.003 χ^2/NDF:1664.0/22

All: -0.010+/-0.002 χ^2/NDF: 2609.9/42



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.031+/-0.005 χ^2/NDF:10.1/4

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.027+/-0.005 χ^2/NDF:15.7/3

Left: 0.029+/-0.003 χ^2/NDF: 26.2/8

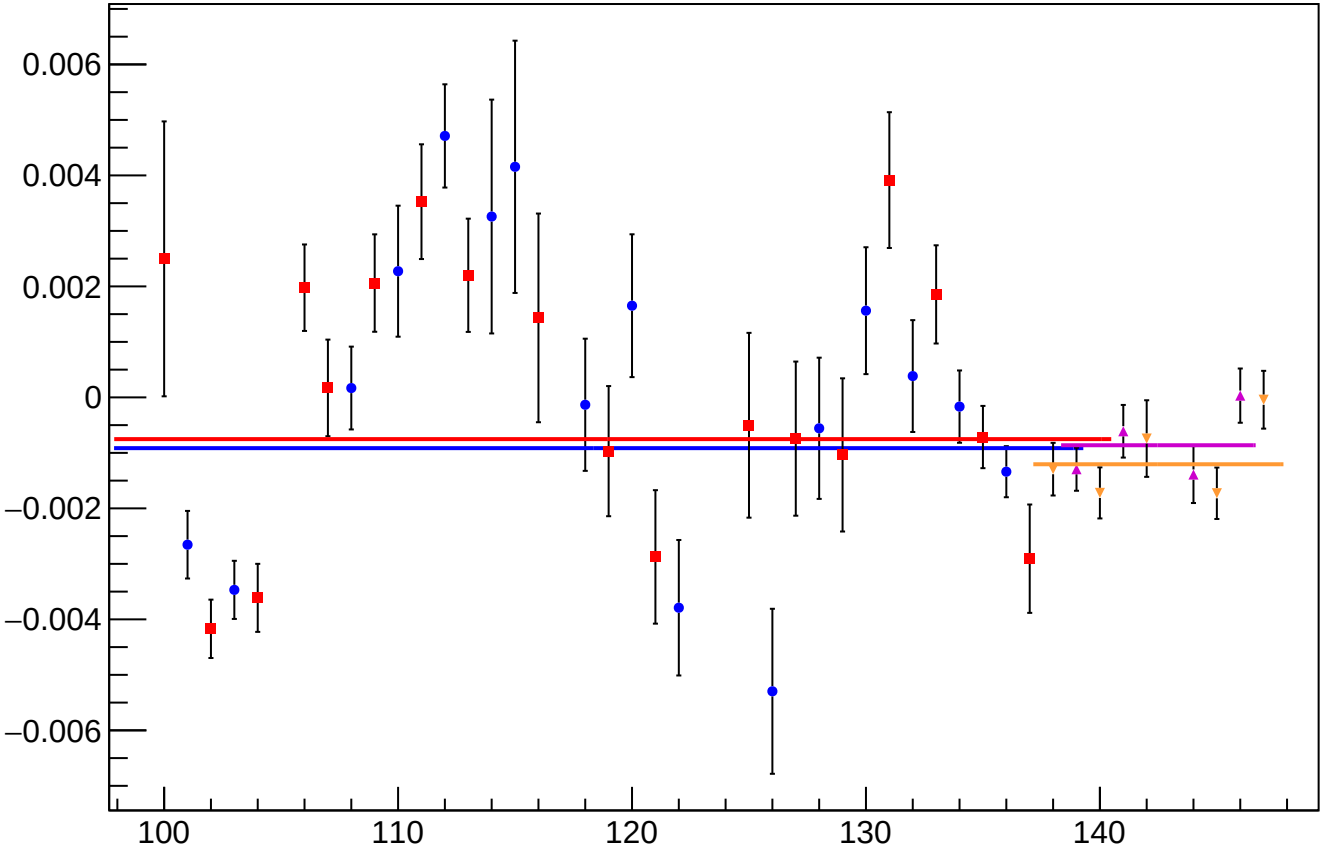
Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.021+/-0.003 χ^2/NDF:54.7/19

Out: 0.017+/-0.003 χ^2/NDF:56.1/22

All: 0.019+/-0.002 χ^2/NDF: 111.5/42

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:8.0/4

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.001+/-0.000 χ^2/NDF:5.9/3

Left: -0.001+/-0.000 χ^2/NDF: 15.1/8

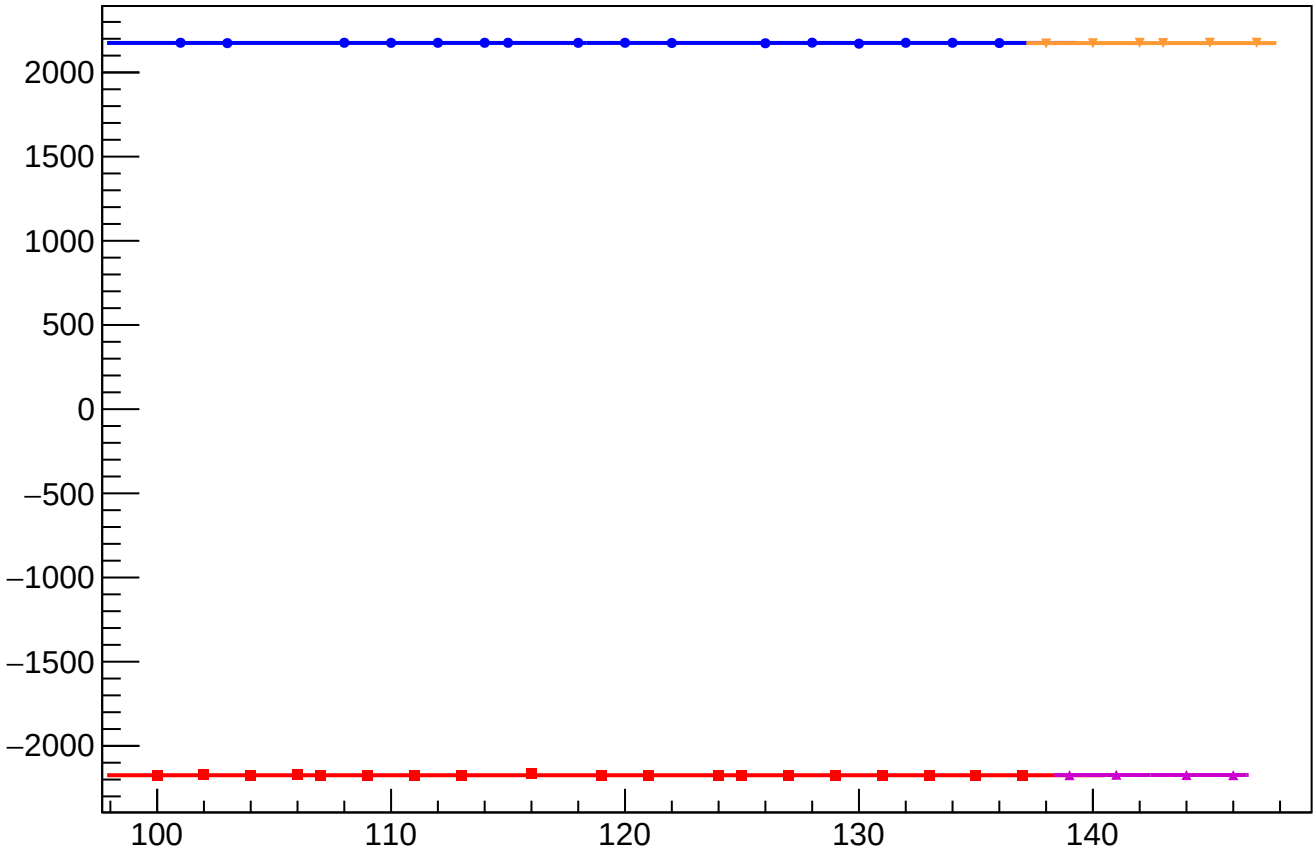
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:120.0/19

Out: -0.001+/-0.000 χ^2/NDF:157.7/22

All: -0.001+/-0.000 χ^2/NDF: 277.8/42

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 1765724072923660180937051331362816.0/15

Left Out: 2174.406+/-0.000 χ^2/NDF:13536406331906730703665037878231040/5

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171827 2.0/18

Left In: -2172.976+/-0.000 χ^2/NDF:35704757905236597823699046681804 8.0/3

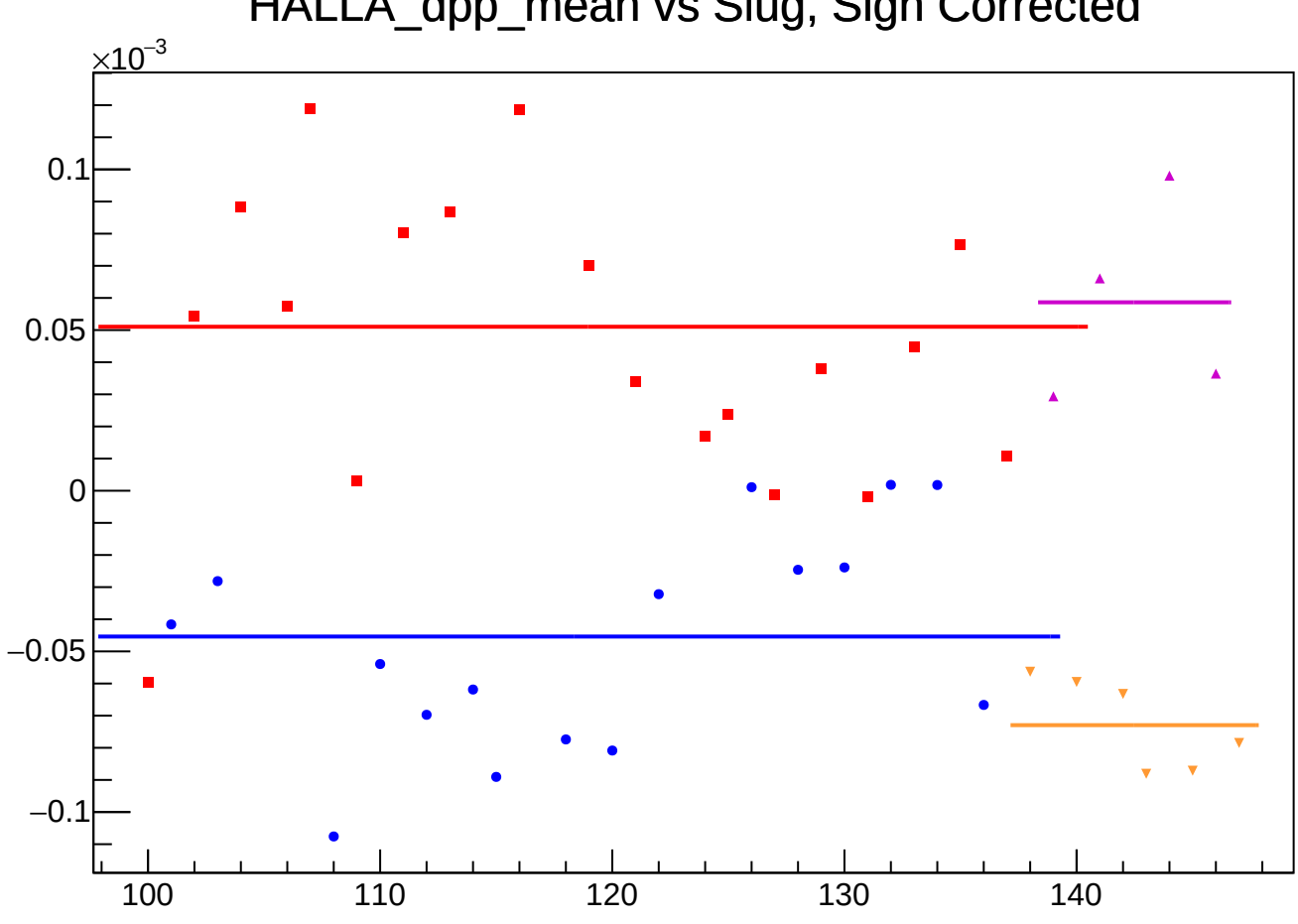
Left: 274.710+/-0.000 χ^2/NDF: 3873334631705518

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

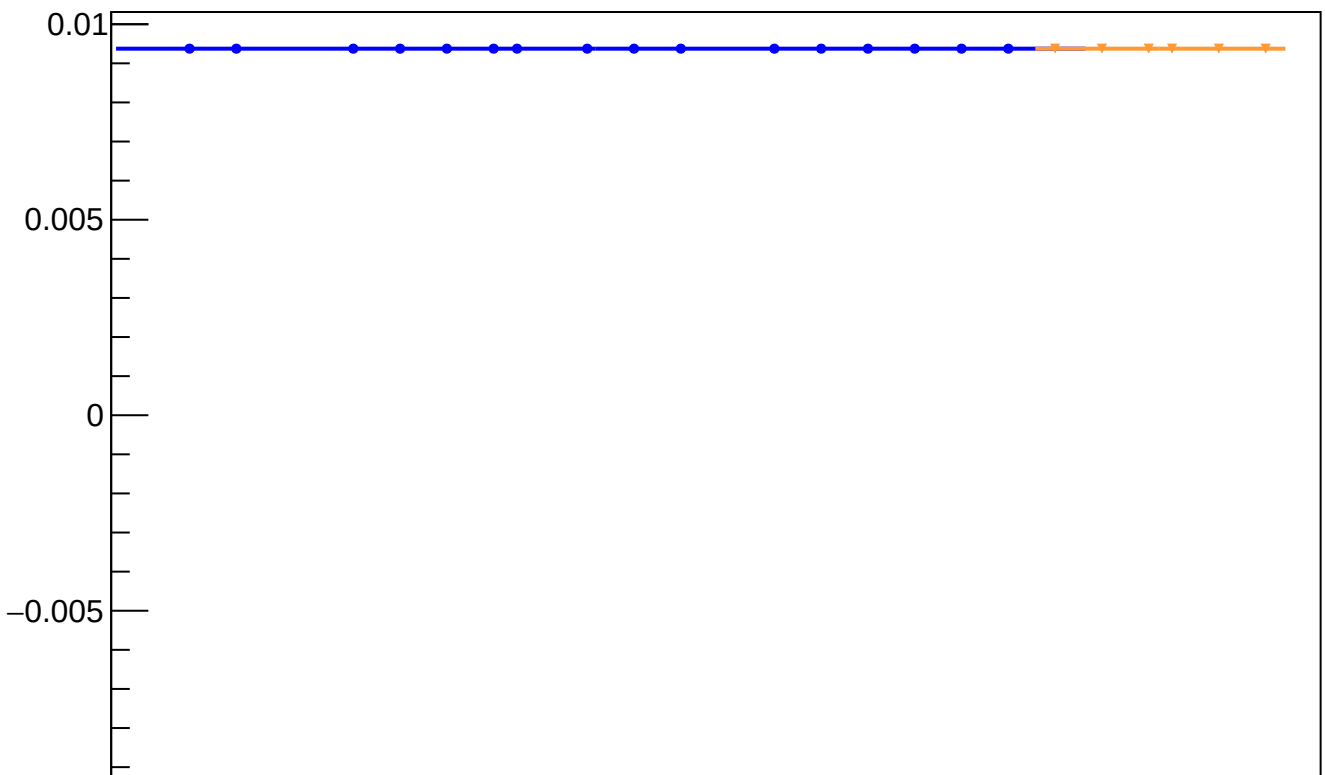
In: 742.860+/-0.000 χ^2/NDF:46150023025056600

Out: -518.841+/-0.000 χ^2/NDF:549303154386679

All: 77.727+/-0.000 χ^2/NDF: 1103534977988


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:81174109049104443113472.0/5
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:27094406752443756131123 2.0/3
Left: -0.000+/-0.000 χ²/NDF: 39009141690795364
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: -0.000+/-0.000 χ²/NDF:362502950257794054
Out: 0.000+/-0.000 χ²/NDF:555827082021926457
All: -0.000+/-0.000 χ²/NDF: 9313466557619

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:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/3

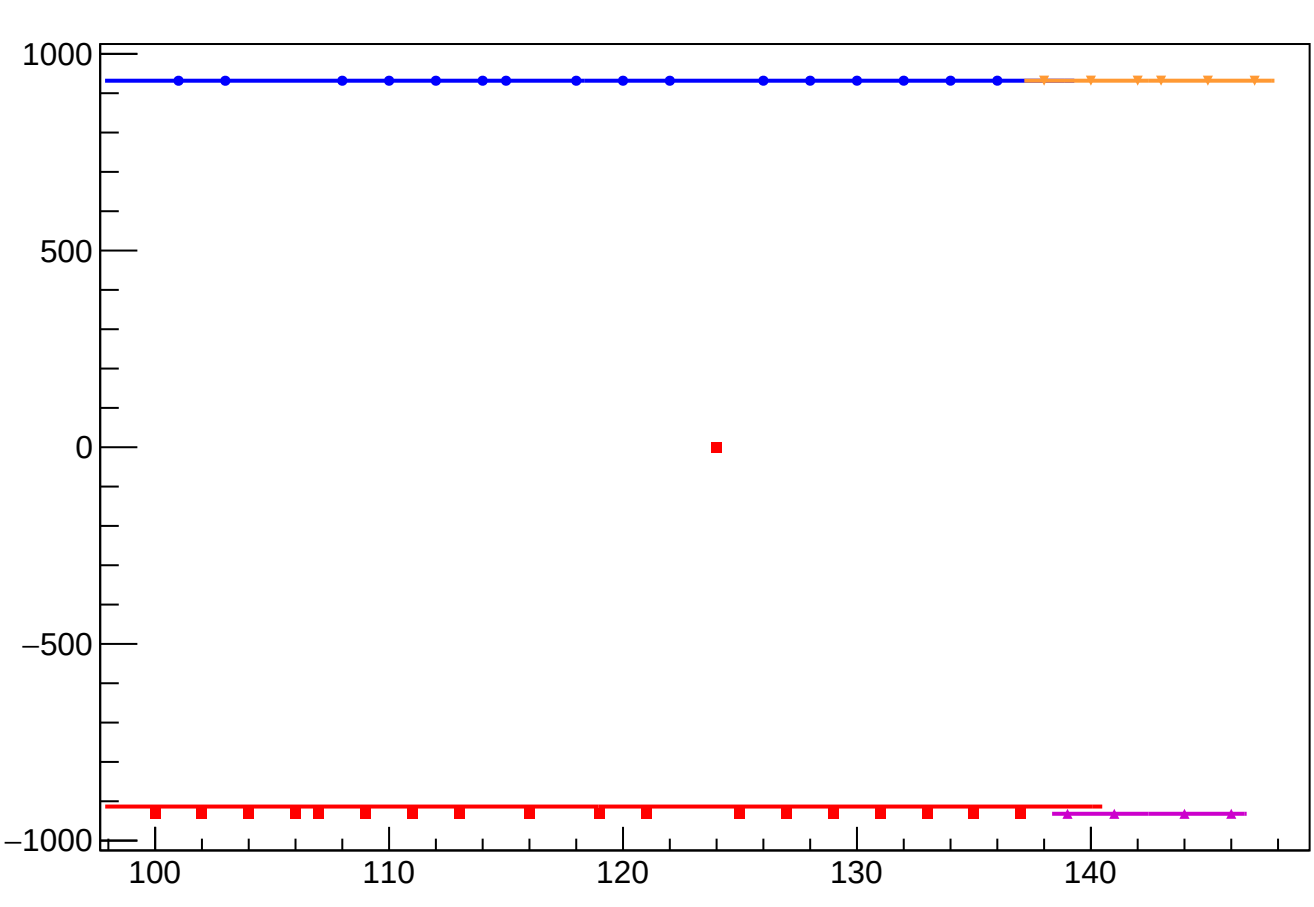
Left: 0.001+/-0.000 χ^2/NDF: 720496323529409245

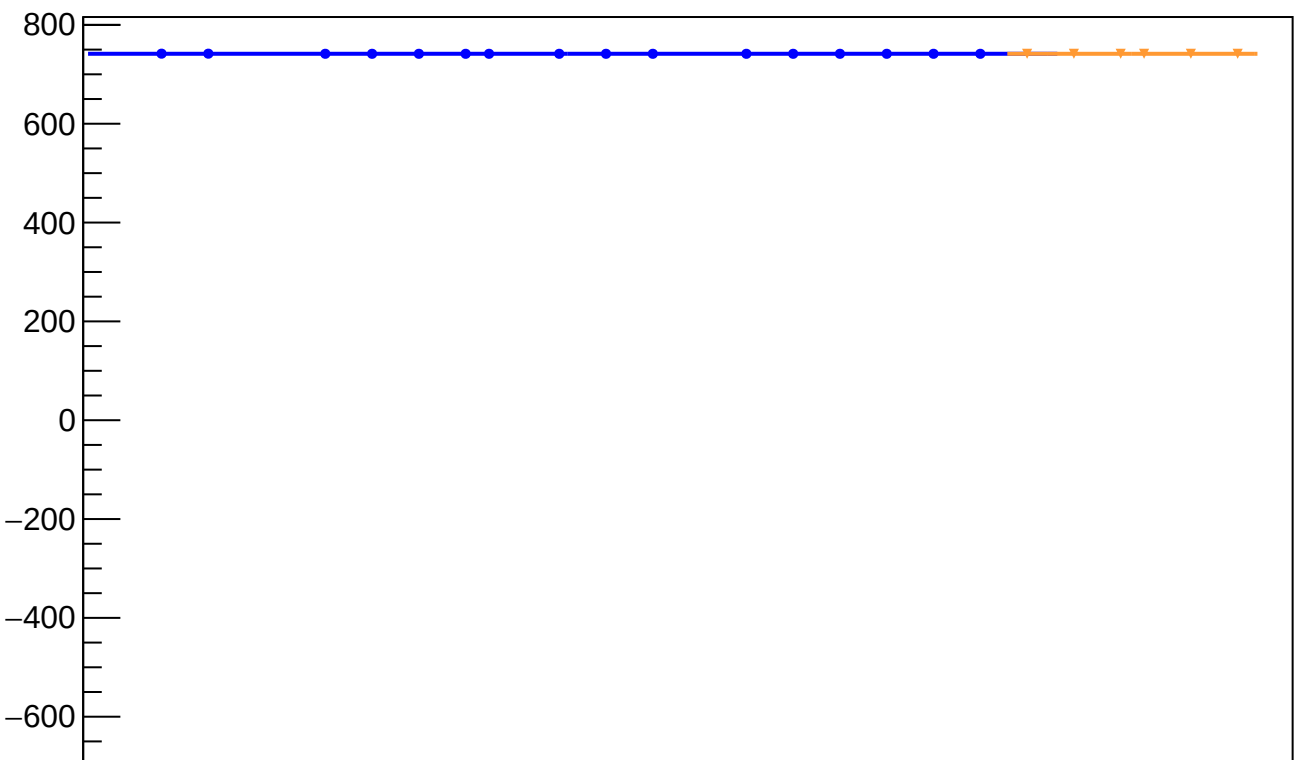
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.003+/-0.000 χ^2/NDF:858143382352939588

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: 0.000+/-0.000 χ^2/NDF: 2051413069640


HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
Right In: 931.769+/-0.000 χ²/NDF: 2757217223595001187167685836800.0/15
Left Out: 931.838+/-0.000 χ²/NDF:159208629924967047621344703283 2.0/5
Right Out: -913.447+/-0.000 χ²/NDF: 12765879635094435683491886518824337408.0/18
Left In: -931.839+/-0.000 χ²/NDF:100949284130852749298157119078 4.0/3
Left: 117.458+/-0.000 χ²/NDF: 711820422155472
Right: -4.335+/-0.000 χ²/NDF: 1292705120140630
In: 317.875+/-0.000 χ²/NDF:84774750841286209
Out: -210.981+/-0.000 χ²/NDF:100180494682699
All: 39.077+/-0.000 χ²/NDF: 201247752151



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.527+/-0.000 χ^2/NDF:126164250705466318065279959 04.0/5

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Left In: -741.528+/-0.000 χ^2/NDF:553424996518344192774950092 8.0/3

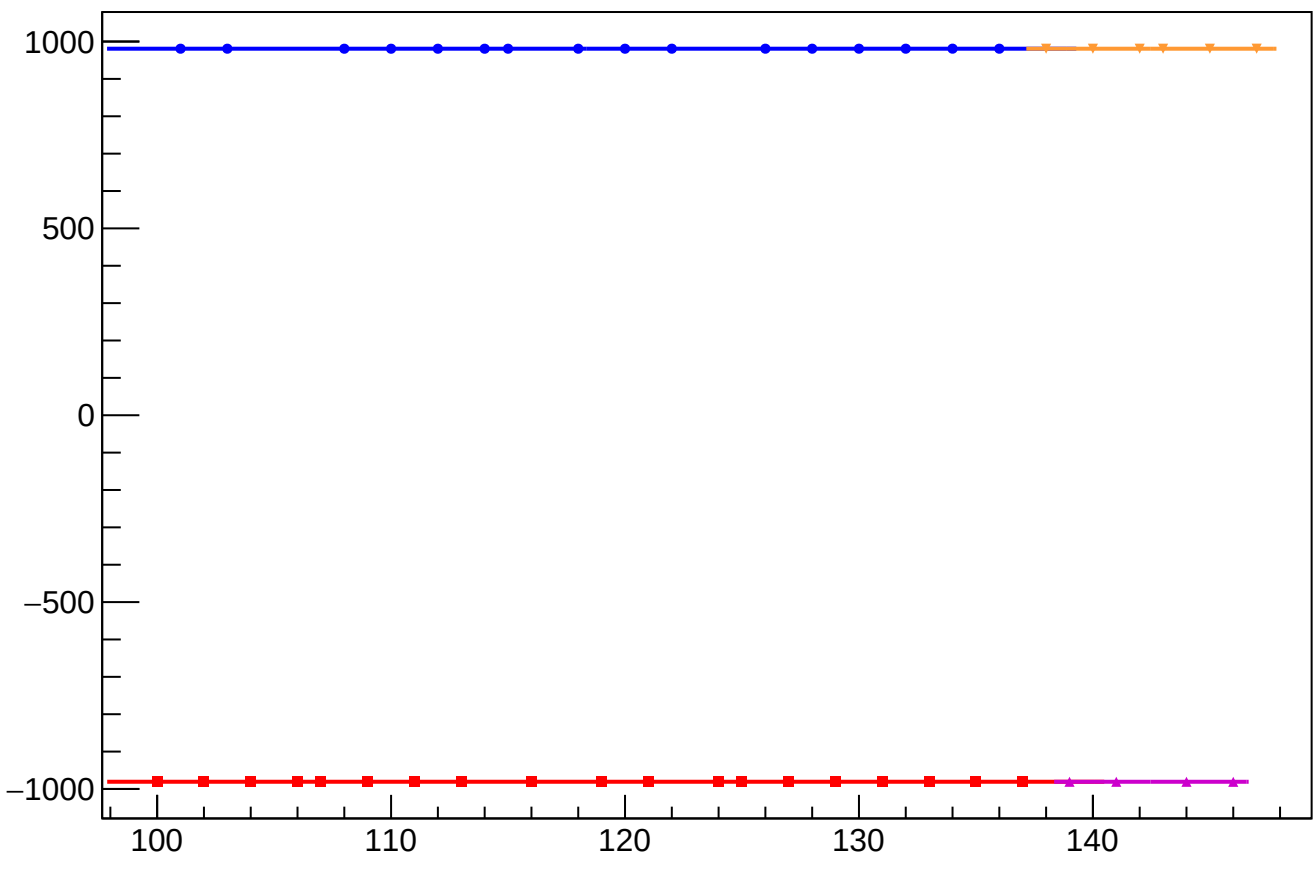
Left: 93.469+/-0.000 χ^2/NDF: 450758052293191 71

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: 253.019+/-0.000 χ^2/NDF:536903580207240 94

Out: -176.986+/-0.000 χ^2/NDF:63889508870571 6

All: 26.333+/-0.000 χ^2/NDF: 12835102645 36



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.778+/-0.000 χ^2/NDF:4020790757658469617249550336000/5

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

Left In: -980.786+/-0.000 χ^2/NDF:561444028599280364896636633088.0/3

Left: 123.624+/-0.000 χ^2/NDF: 7885586240435314

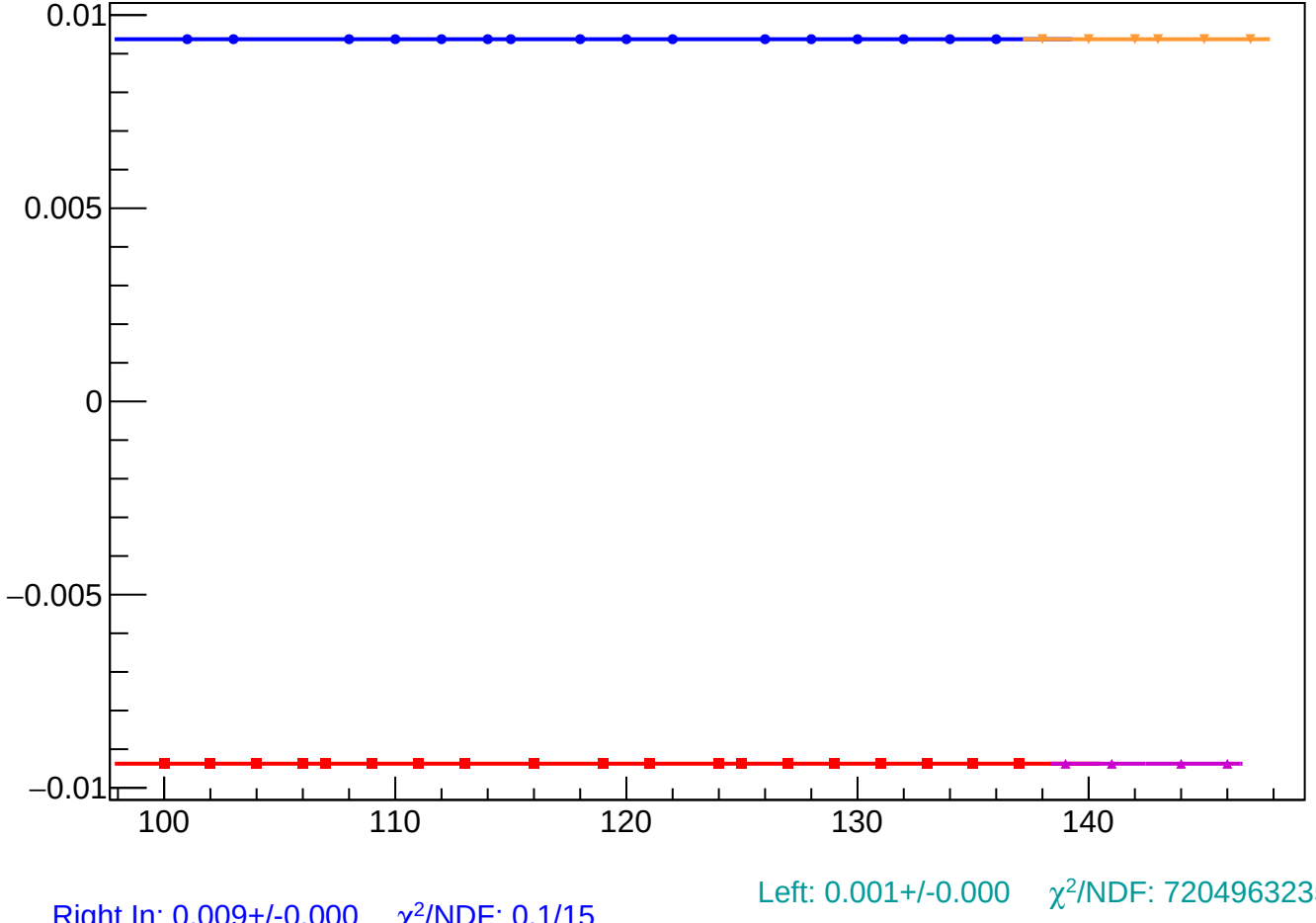
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: 334.633+/-0.000 χ^2/NDF:93923387346494700

Out: -234.016+/-0.000 χ^2/NDF:111754316651177

All: 34.857+/-0.000 χ^2/NDF: 2245143552161

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:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/3

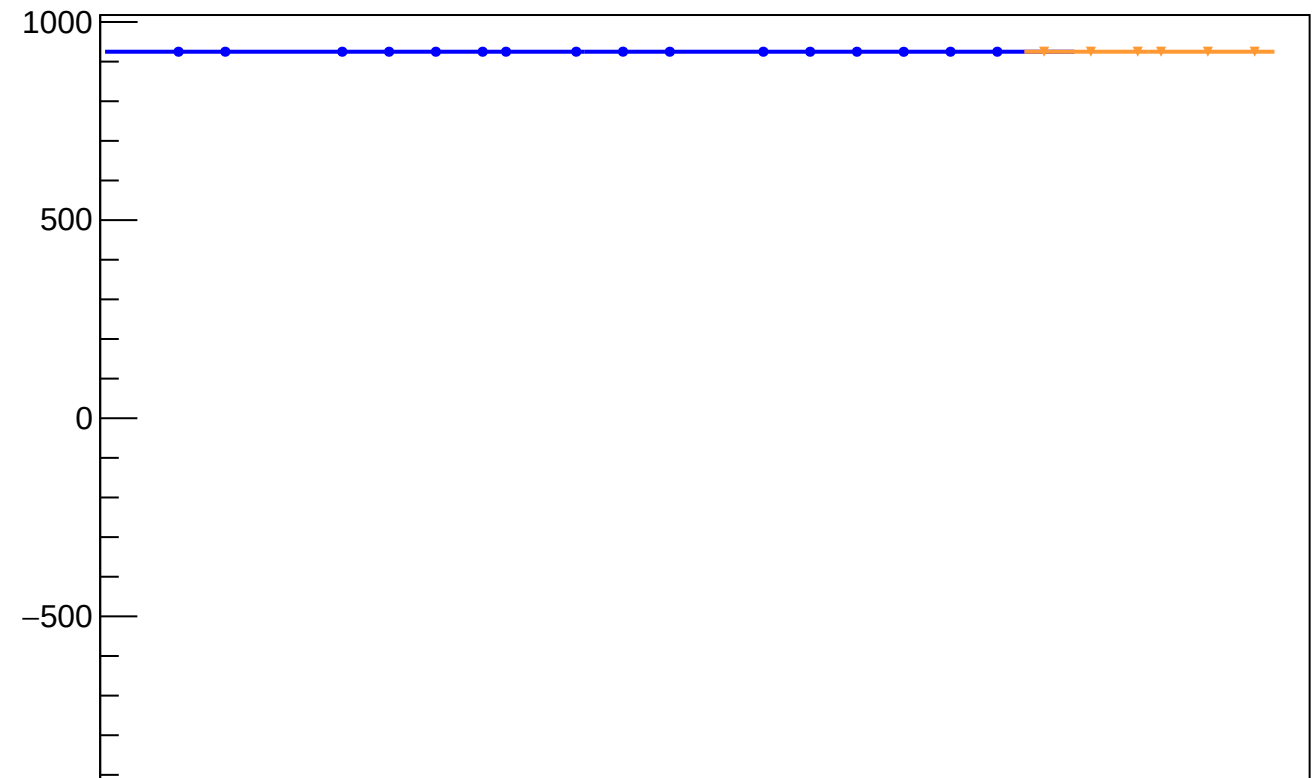
Left: 0.001+/-0.000 χ^2/NDF: 720496323529409245

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.003+/-0.000 χ^2/NDF:858143382352939588

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: 0.000+/-0.000 χ^2/NDF: 2051413069640



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.988+/-0.000 χ^2/NDF:14623354707870136577342570496 0.0/5

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.997+/-0.000 χ^2/NDF:131964028886600929942647603200.0/3

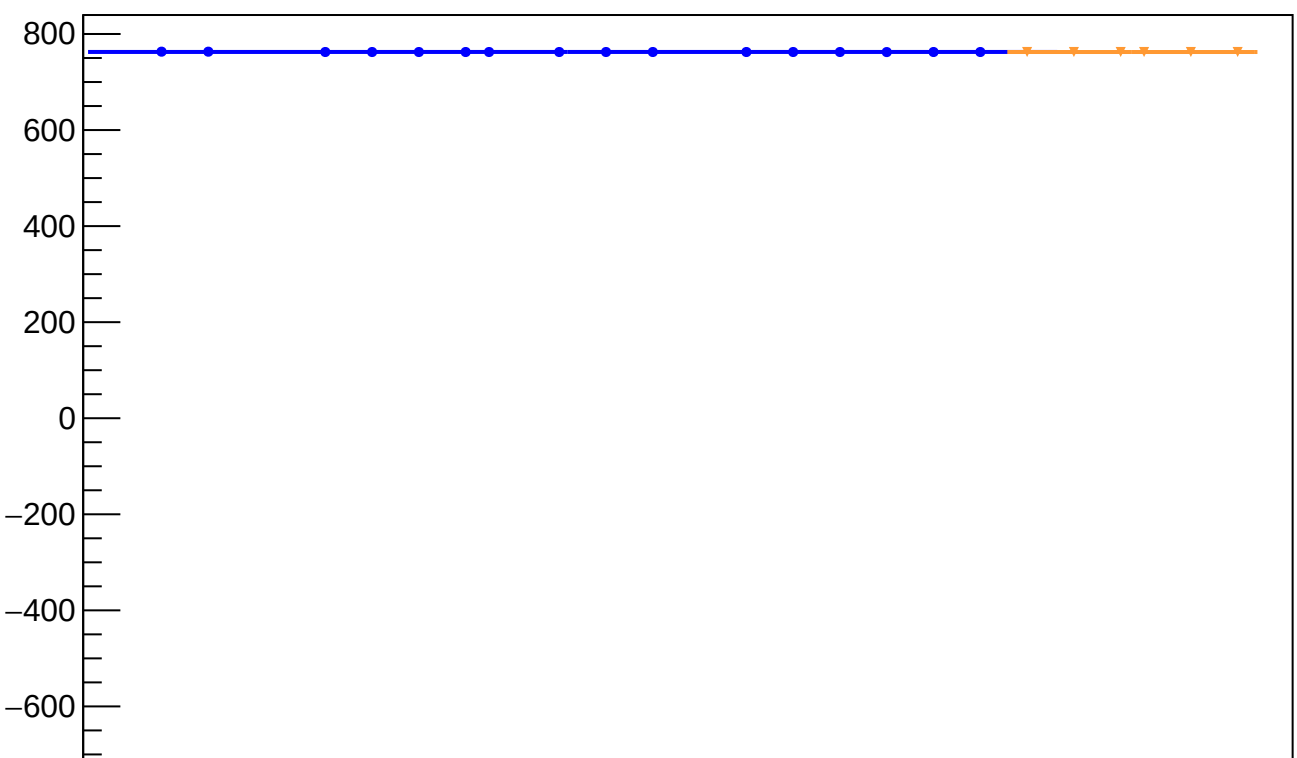
Left: 116.591+/-0.000 χ^2/NDF: 7013993704596924

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: 315.567+/-0.000 χ^2/NDF:8353785497754904

Out: -220.727+/-0.000 χ^2/NDF:994059136966870

All: 32.848+/-0.000 χ^2/NDF: 199697825158



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.492+/-0.000 χ^2/NDF:3878903067085506292921611059 2.0/5

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Left In: -762.494+/-0.000 χ^2/NDF:30663804989107101177051348992.0/3

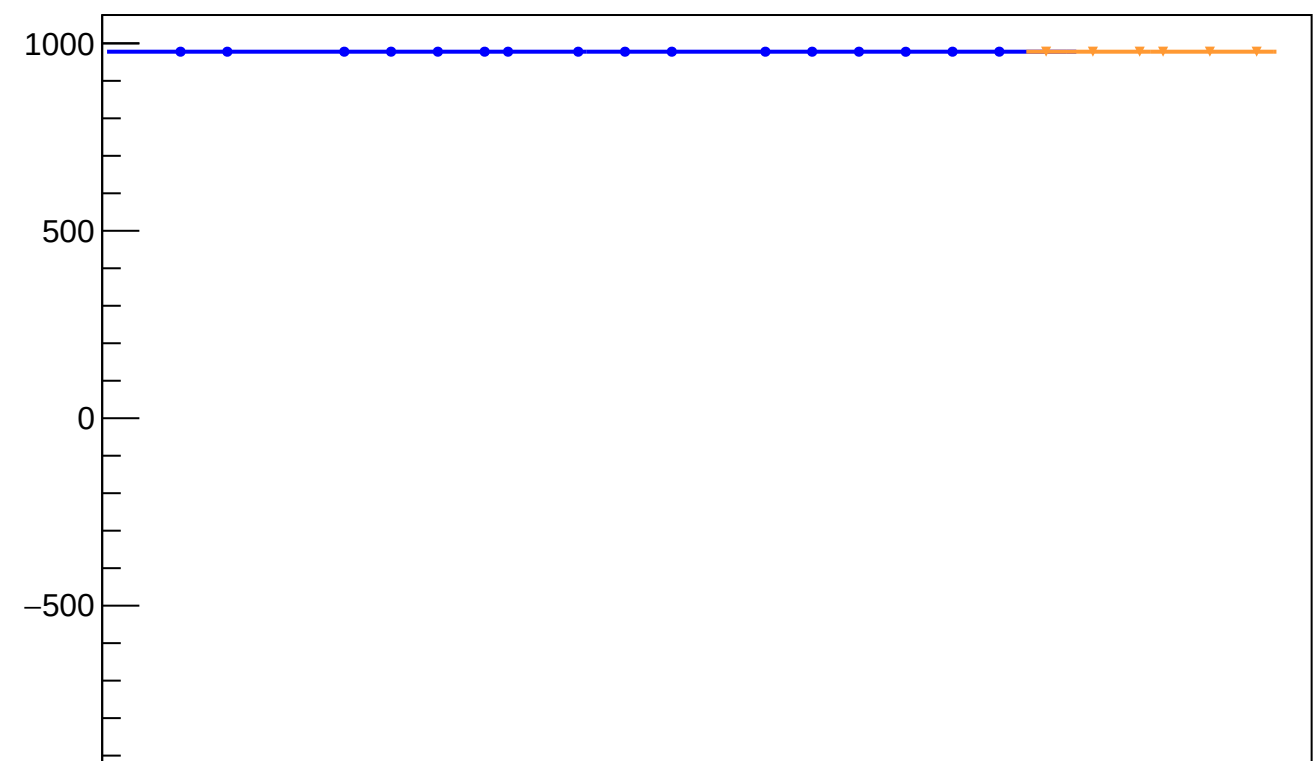
Left: 96.112+/-0.000 χ^2/NDF: 47660766405258762

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: 260.223+/-0.000 χ^2/NDF:56774912403460181

Out: -182.036+/-0.000 χ^2/NDF:675599538615004

All: 27.077+/-0.000 χ^2/NDF: 135728670288



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.769+/-0.000 χ^2/NDF:4964323471918053326195366297600/5

Right Out: -977.747+/-0.000 χ^2/NDF: 17822268778169147263279662366720/18

Left In: -977.766+/-0.000 χ^2/NDF:61082378111619413072892500377600/3

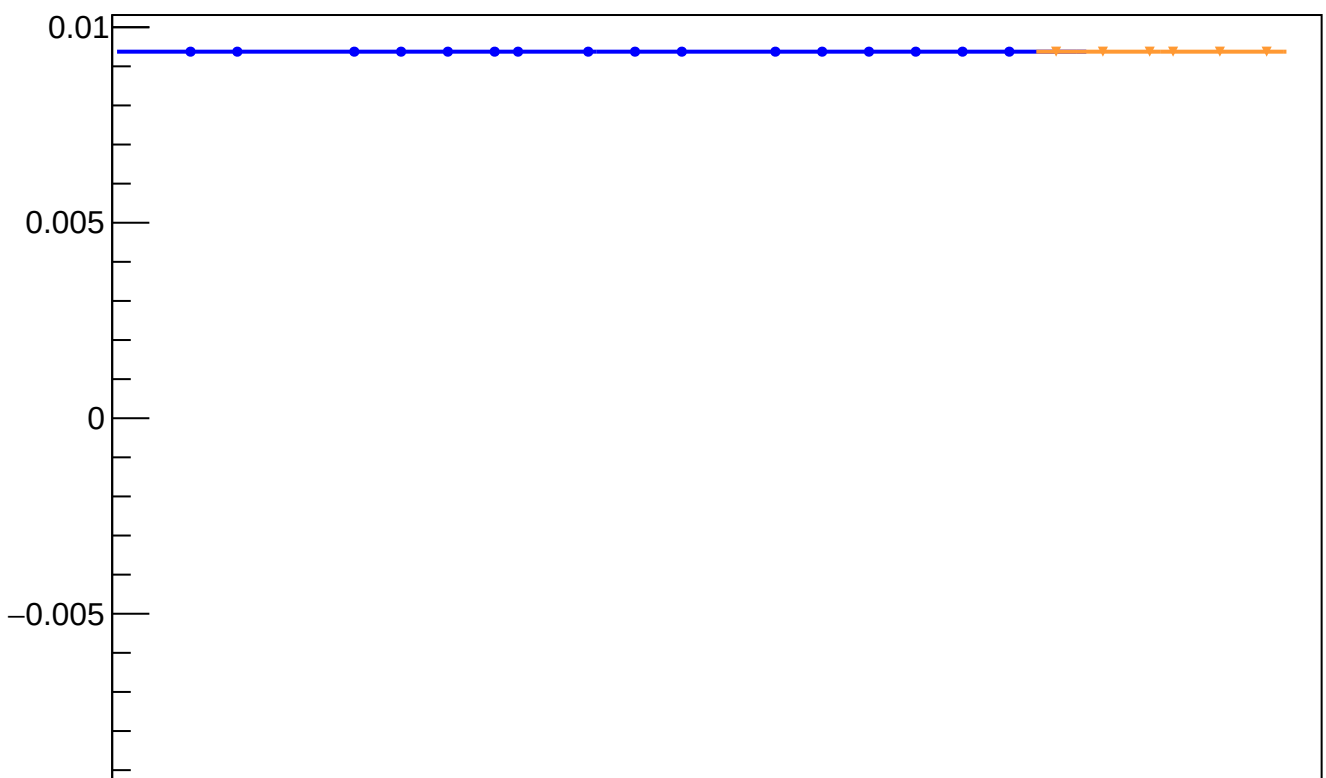
Left: 123.250+/-0.000 χ^2/NDF: 7837188352341898

Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 333.580+/-0.000 χ^2/NDF:93342524212480439

Out: -233.318+/-0.000 χ^2/NDF:111073278468472

All: 34.727+/-0.000 χ^2/NDF: 2231365493051



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/3

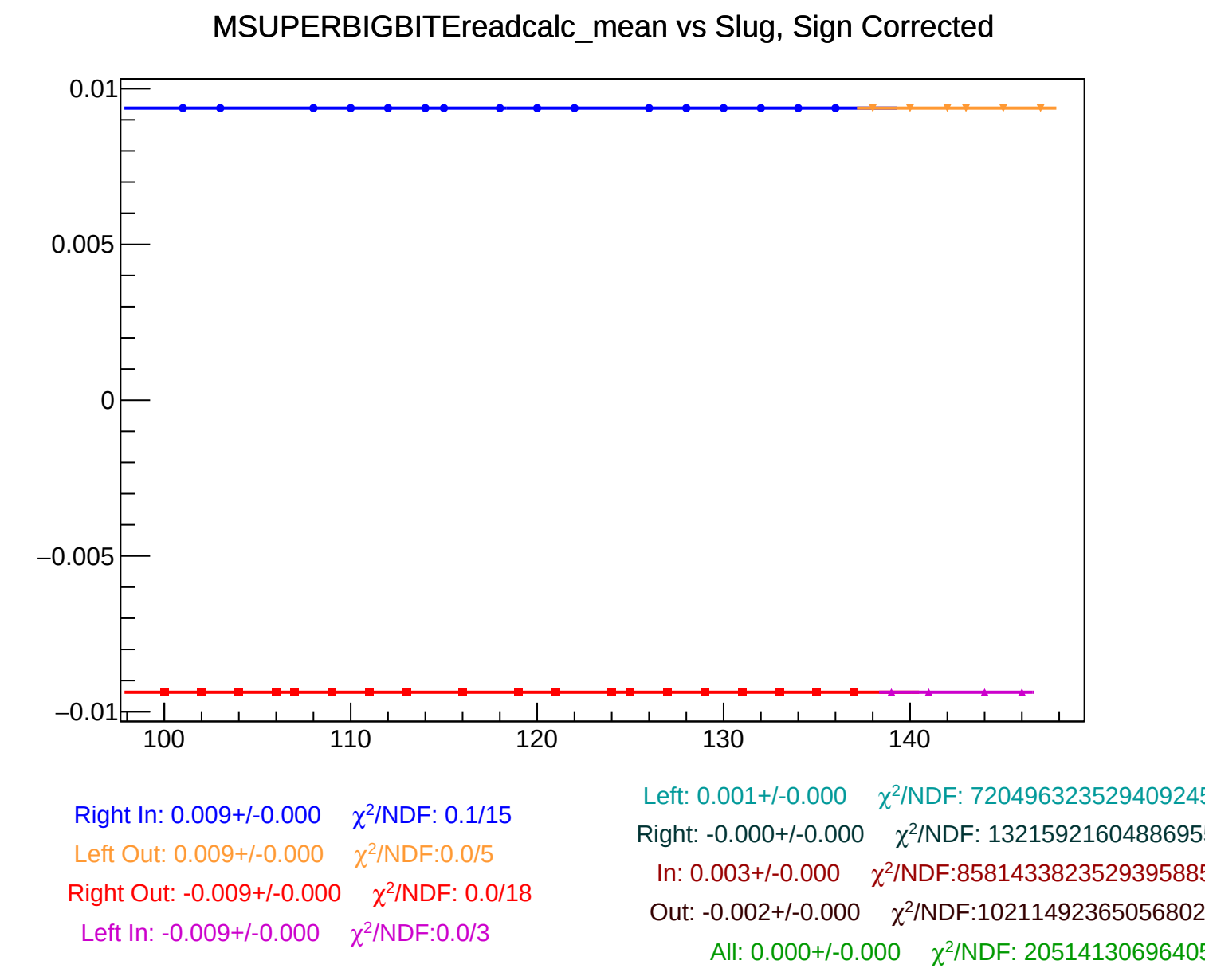
Left: 0.001+/-0.000 χ^2/NDF: 720496323529409245

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

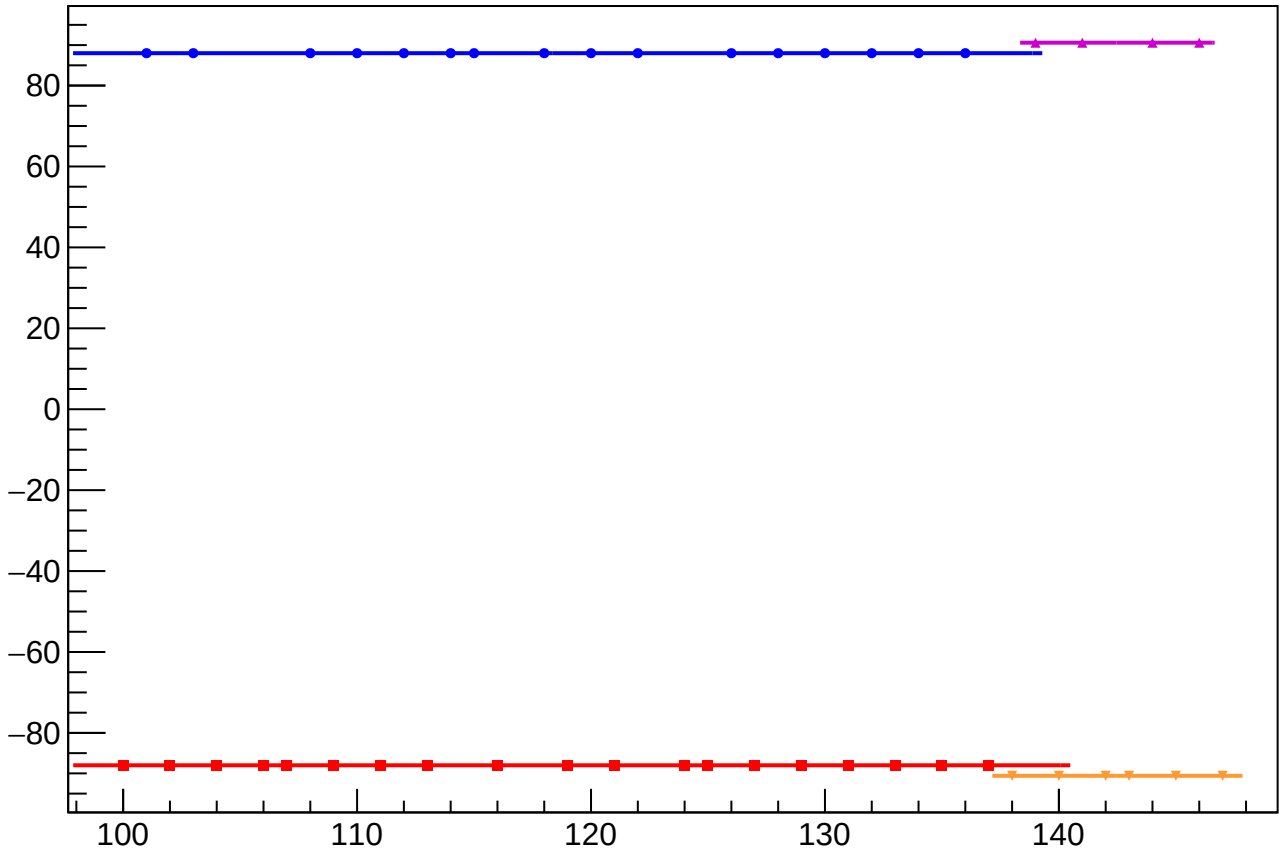
In: 0.003+/-0.000 χ^2/NDF:858143382352939588

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: 0.000+/-0.000 χ^2/NDF: 2051413069640


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/5
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/3
Left: 0.001+/-0.000 χ²/NDF: 72049632352940924
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.003+/-0.000 χ²/NDF:858143382352939588
Out: -0.002+/-0.000 χ²/NDF:10211492365056802
All: 0.000+/-0.000 χ²/NDF: 2051413069640

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:2811323.6/5

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:964707.5/3

Left: -11.420+/-0.000 χ^2/NDF: 6728819378434670

Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 88.857+/-0.000 χ^2/NDF:164829177976418598

Out: -88.992+/-0.000 χ^2/NDF:1957381734585040

All: -4.900+/-0.000 χ^2/NDF: 1842887454430

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:153442.9/5

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 29.641+/-0.000 χ^2/NDF:36514.8/3

Left: -3.736+/-0.000 χ^2/NDF: 7202172837586490

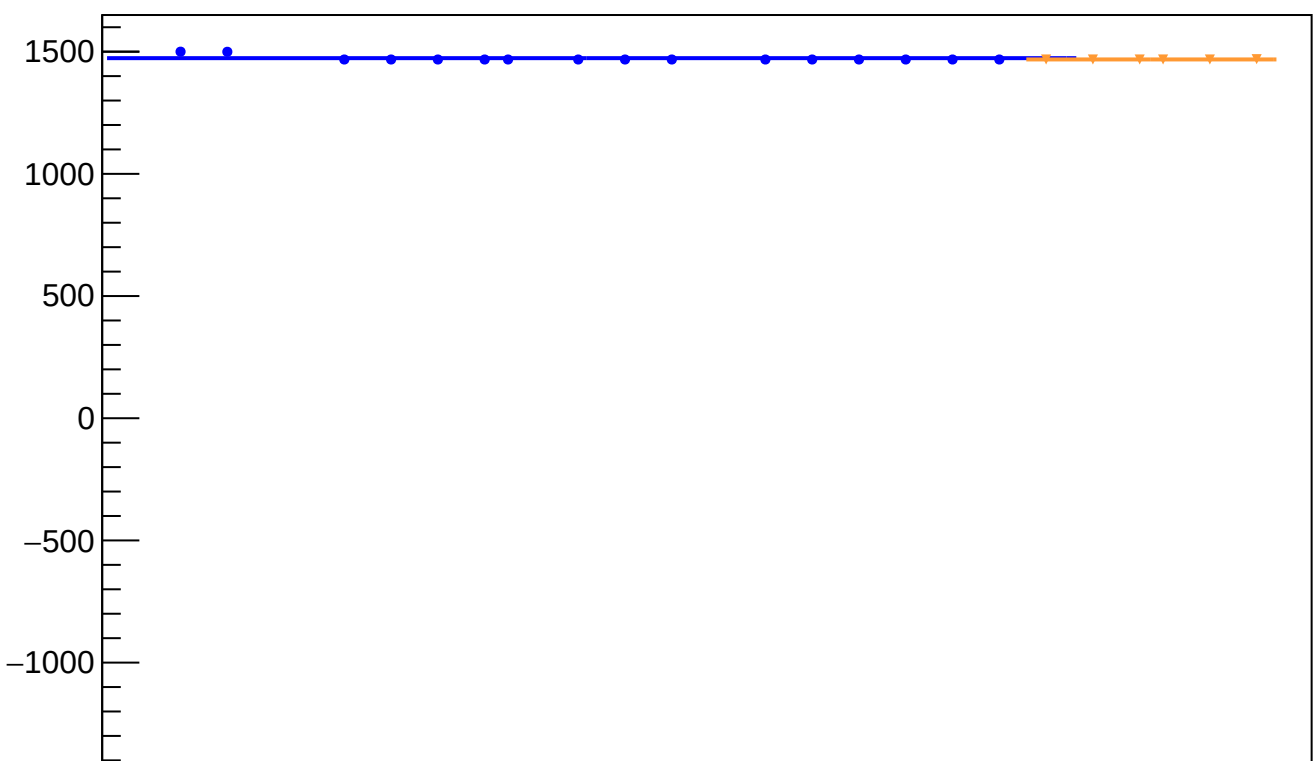
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: -9.740+/-0.000 χ^2/NDF:842915207669872228

Out: 6.734+/-0.000 χ^2/NDF:100310795064526463

All: -1.055+/-0.000 χ^2/NDF: 2004124260211

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477 1584.0/15

Left Out: 1468.224+/-0.000 χ^2/NDF:12122145171357915976854082578022 4.0/5

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.979+/-0.000 χ^2/NDF:85768289.8/3

Left: 185.177+/-0.000 χ^2/NDF: 1766856950228428

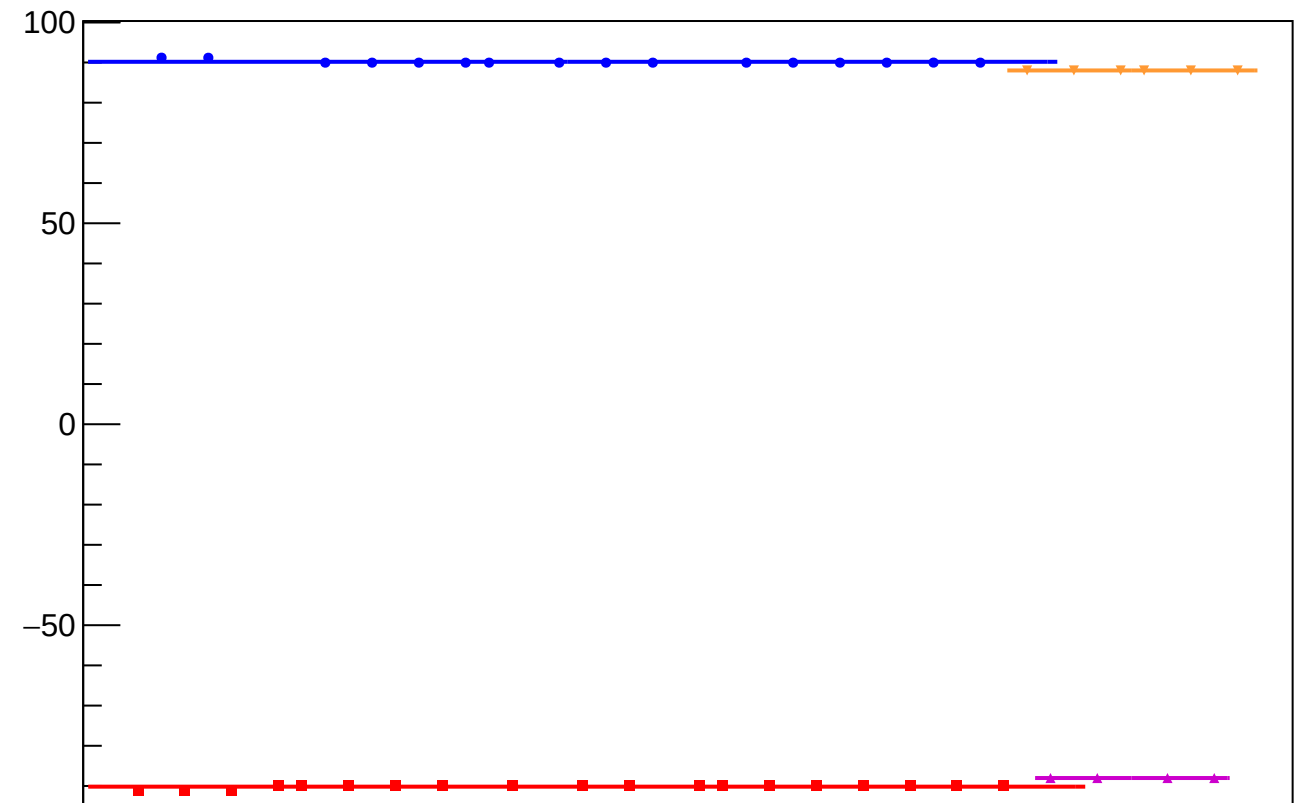
Right: -21.516+/-0.000 χ^2/NDF: 3264697385914600

In: 504.520+/-0.000 χ^2/NDF:21120357921544974

Out: -353.573+/-0.000 χ^2/NDF:251349409964012

All: 52.158+/-0.000 χ^2/NDF: 5054456906015

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:2382183.2/5

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:644619.3/3

Left: 11.095+/-0.000 χ^2/NDF: 63512452513670299

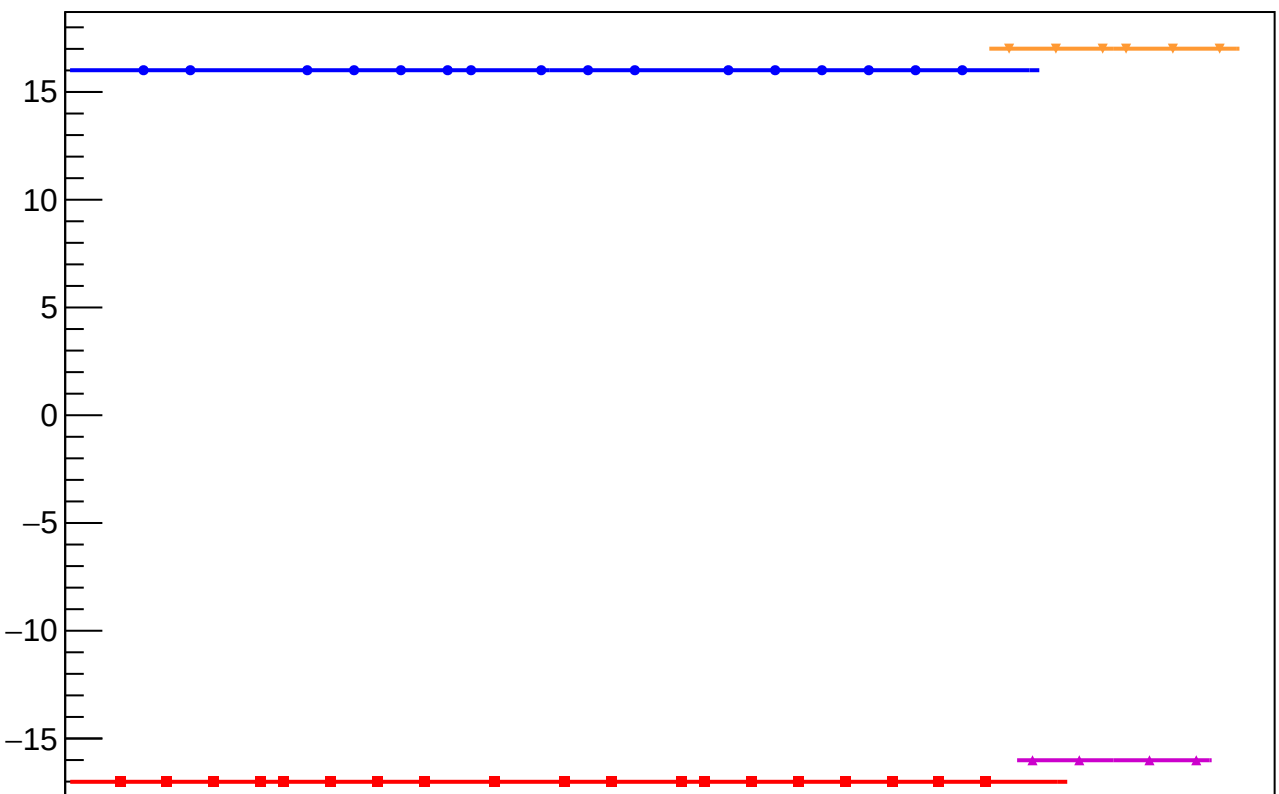
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 31.474+/-0.000 χ^2/NDF:775085838116788754

Out: -22.335+/-0.000 χ^2/NDF:9222727241542516

All: 3.107+/-0.000 χ^2/NDF: 1866023979035

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:98221272855485976097587 2.0/5

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:45741.3/3

Left: 2.209+/-0.000 χ^2/NDF: 205731836486544615

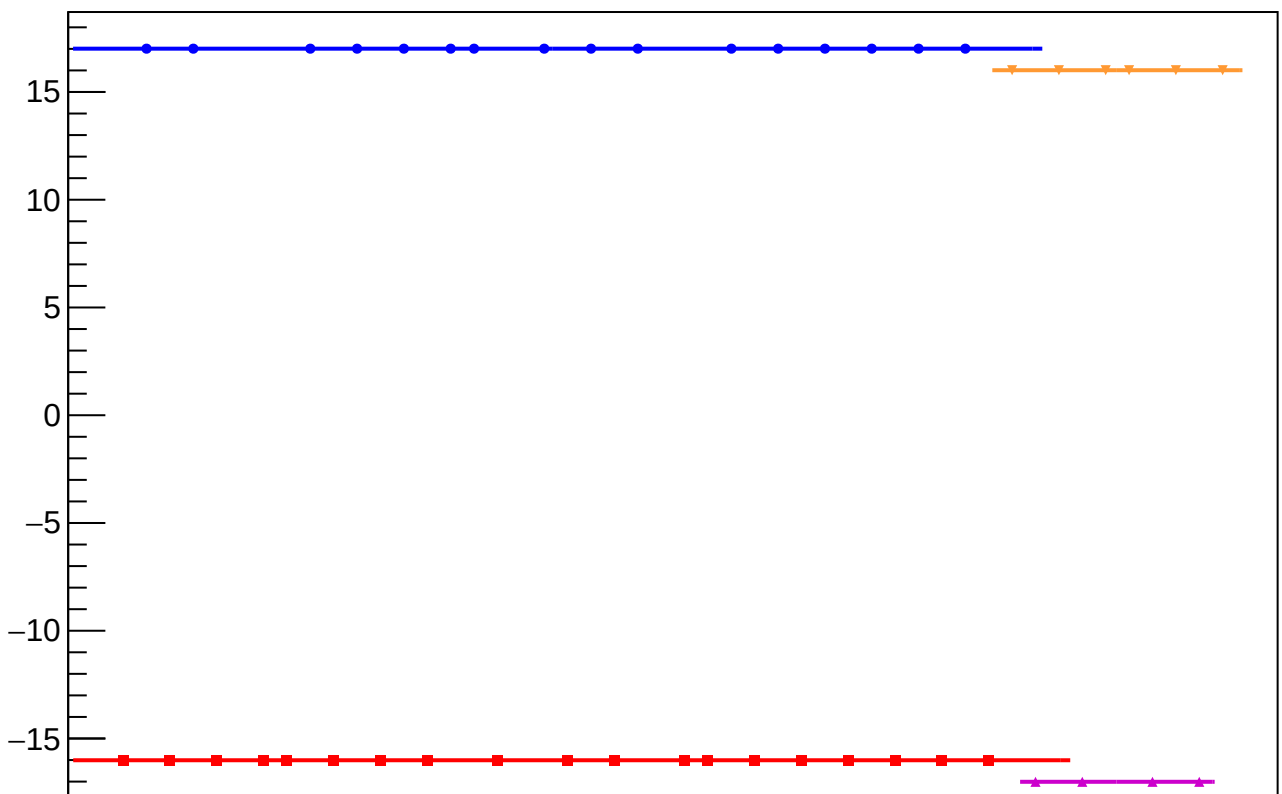
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 5.520+/-0.000 χ^2/NDF:235760729123114688

Out: -4.153+/-0.000 χ^2/NDF:30308275307310690

All: 0.527+/-0.000 χ^2/NDF: 58927560793397

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:40642.1/5

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:15196.6/3

Left: 1.423+/-0.000 χ^2/NDF: 221540565370904046

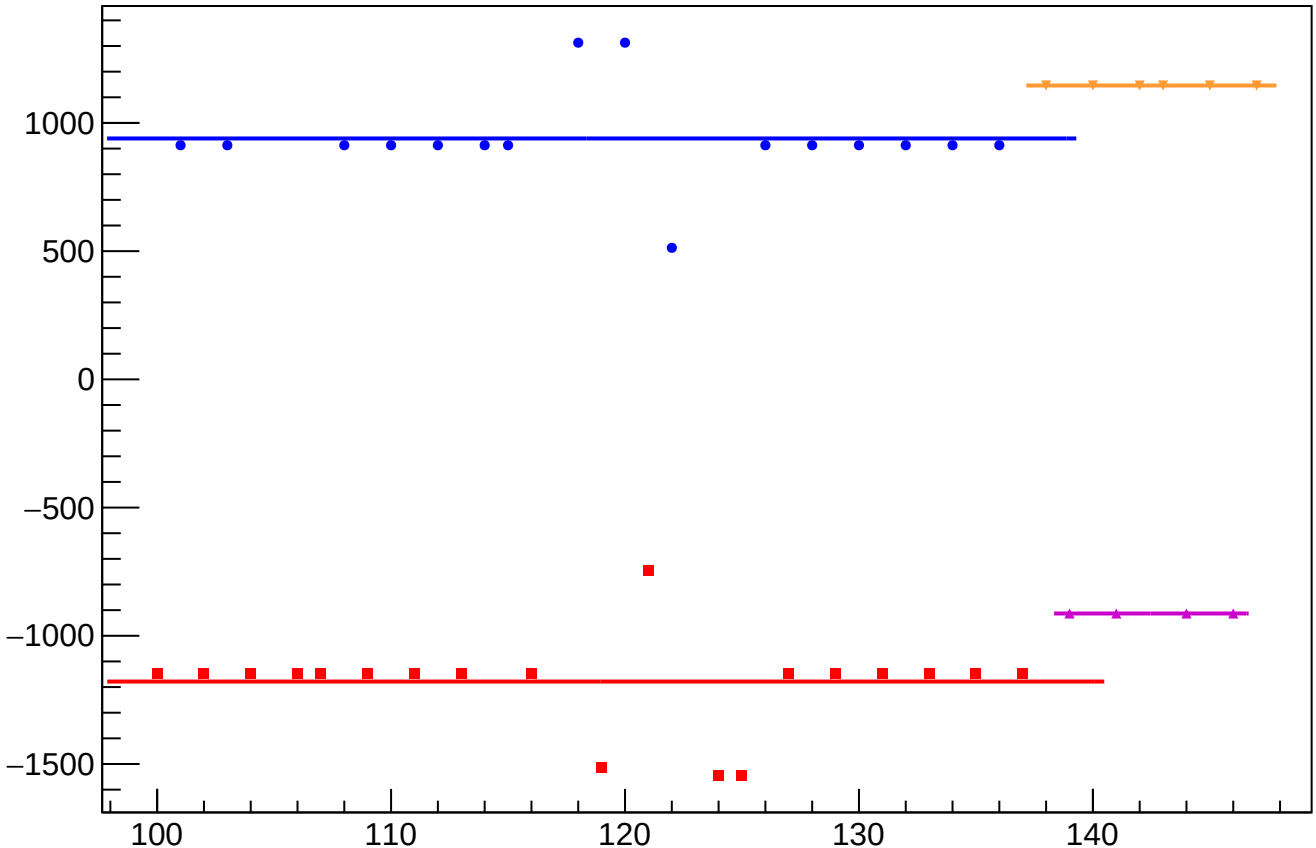
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: 5.447+/-0.000 χ^2/NDF:278078895587213768

Out: -3.927+/-0.000 χ^2/NDF:29363285540978819

All: 0.457+/-0.000 χ^2/NDF: 62181121136444

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 246.278+/-0.000 χ^2/NDF: 8688488963853341

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:17468168921502164943235973120/5

In: 329.230+/-0.000 χ^2/NDF:85870062932675371

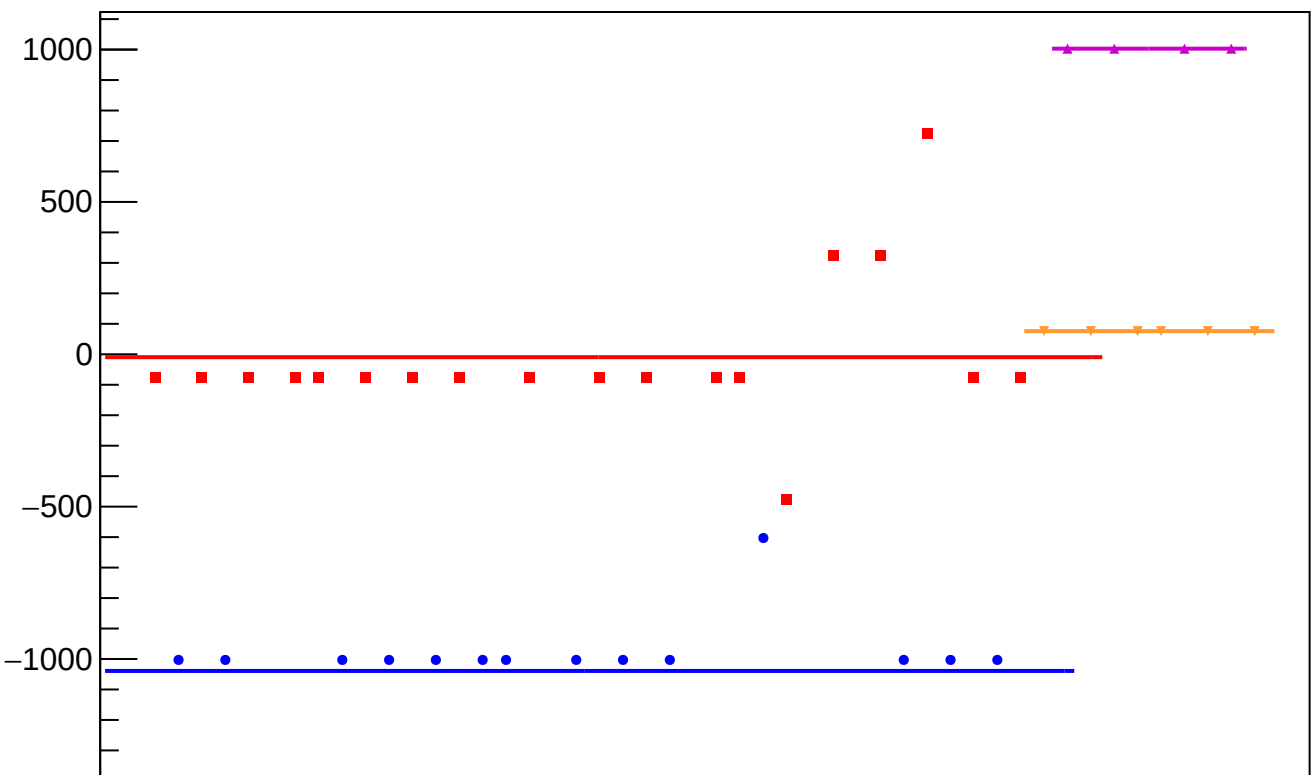
Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: -293.609+/-0.000 χ^2/NDF:159161676414690

Left In: -912.994+/-0.000 χ^2/NDF:71380336221356085177063833600/3

All: 0.887+/-0.000 χ^2/NDF: 2676295508835

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 481.077+/-0.000 χ^2/NDF: 1761037634047774

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:2511806220405605798112133120.0/5

In: -366.450+/-0.000 χ^2/NDF:1040830811463932

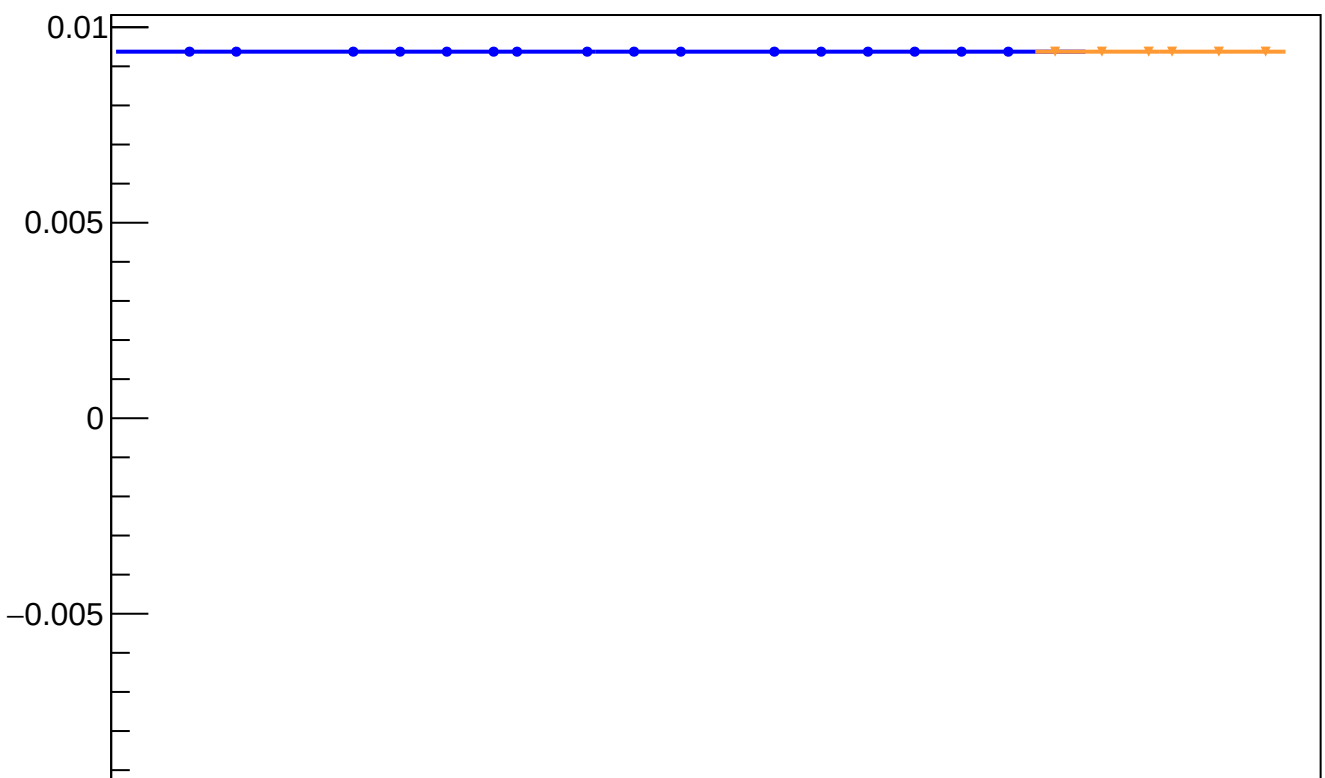
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Out: 23.096+/-0.000 χ^2/NDF:4817778353293541

Left In: 1002.989+/-0.000 χ^2/NDF:5965619856732749211547729920.0/3

All: -161.092+/-0.000 χ^2/NDF: 1177404227

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:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/3

Left: 0.001+/-0.000 χ^2/NDF: 720496323529409245

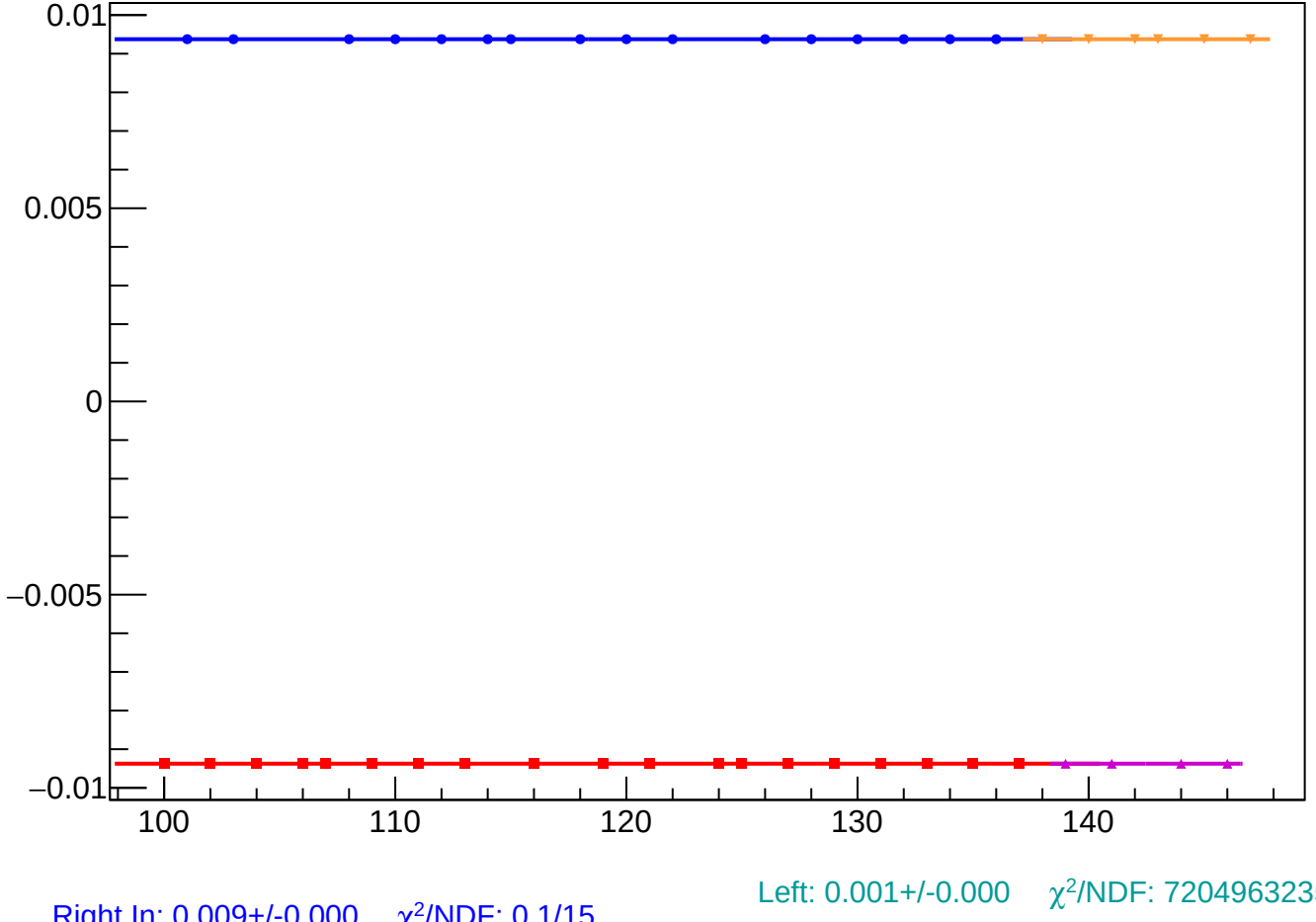
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.003+/-0.000 χ^2/NDF:858143382352939588

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: 0.000+/-0.000 χ^2/NDF: 2051413069640

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:0.0/5

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/3

Left: 0.001+/-0.000 χ^2/NDF: 720496323529409245

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.003+/-0.000 χ^2/NDF:858143382352939588

Out: -0.002+/-0.000 χ^2/NDF:10211492365056802

All: 0.000+/-0.000 χ^2/NDF: 2051413069640