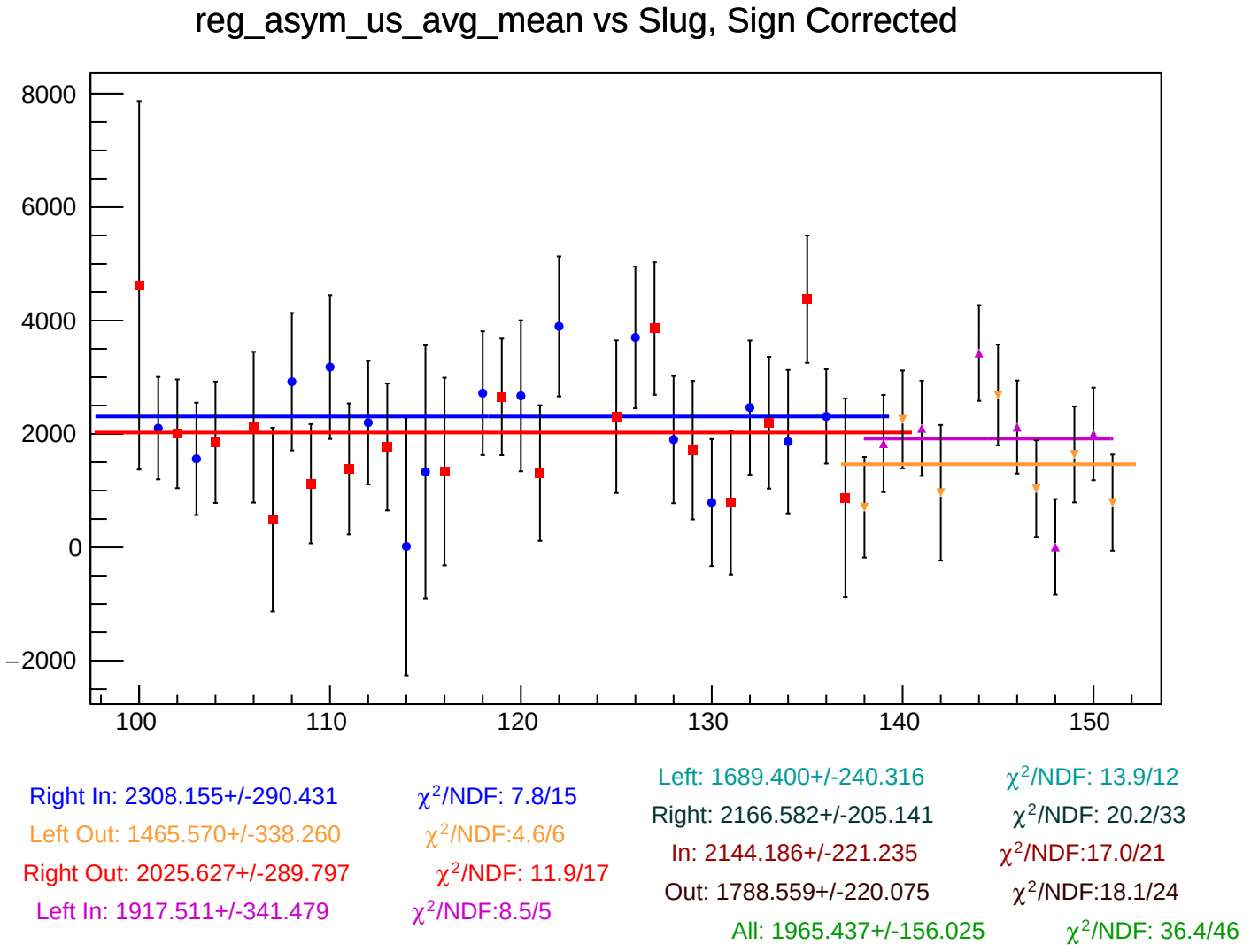
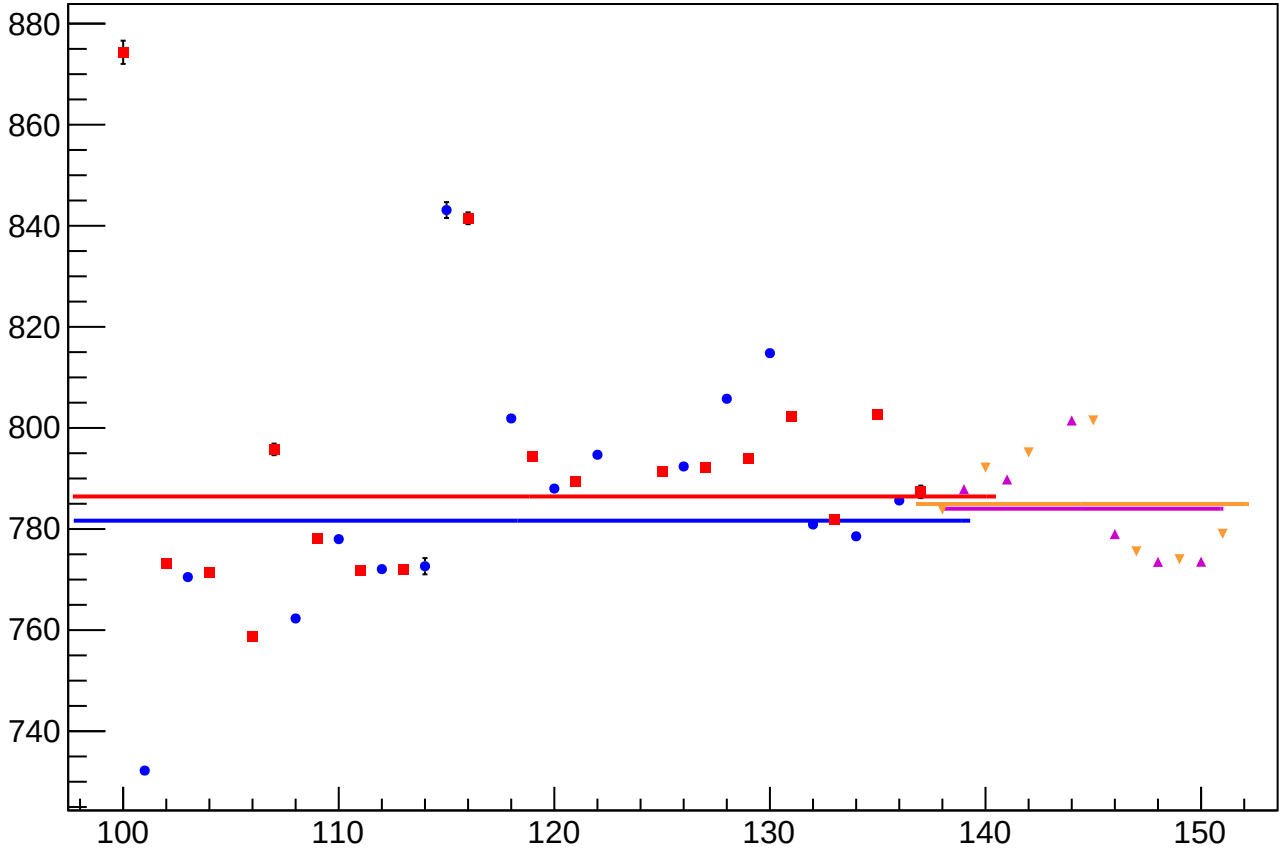

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1465.570+/-338.260
χ²/NDF:4.6/6
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 1917.511+/-341.479
χ²/NDF:8.5/5
Left: 1689.400+/-240.316
χ²/NDF: 13.9/12
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2144.186+/-221.235
χ²/NDF:17.0/21
Out: 1788.559+/-220.075
χ²/NDF:18.1/24
All: 1965.437+/-156.025
χ²/NDF: 36.4/46

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 784.951+/-0.239 χ^2/NDF:1651.2/6

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

Left In: 784.020+/-0.241 χ^2/NDF:1706.0/5

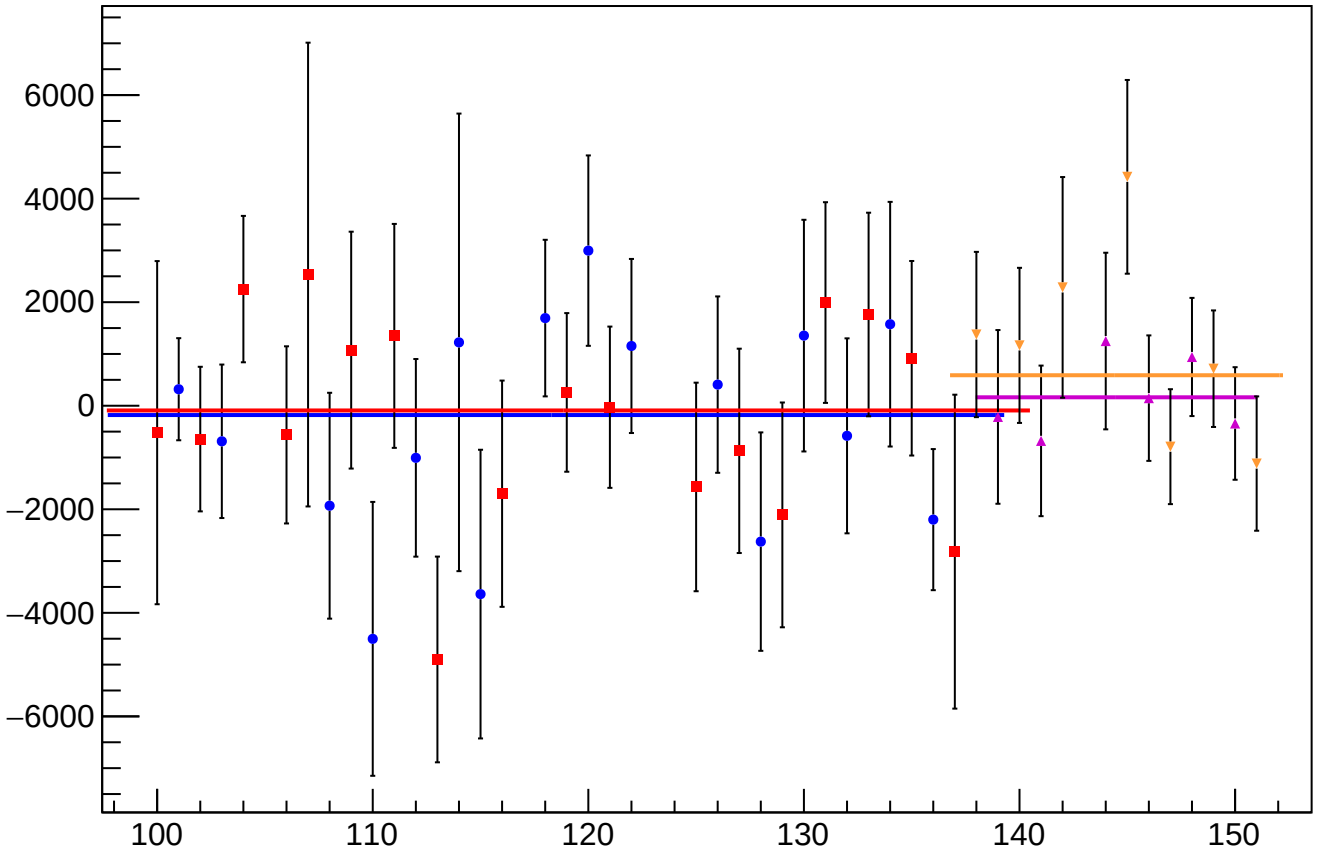
Left: 784.490+/-0.170 χ^2/NDF: 3364.7/12

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

In: 782.647+/-0.156 χ^2/NDF:14080.8/21

Out: 785.811+/-0.156 χ^2/NDF:8875.3/24

All: 784.238+/-0.110 χ^2/NDF: 23161.7/46



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

Left Out: 588.911+/-531.527 χ^2/NDF:8.5/6

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

Left In: 162.839+/-537.063 χ^2/NDF:1.5/5

Left: 378.082+/-377.788 χ^2/NDF: 10.3/12

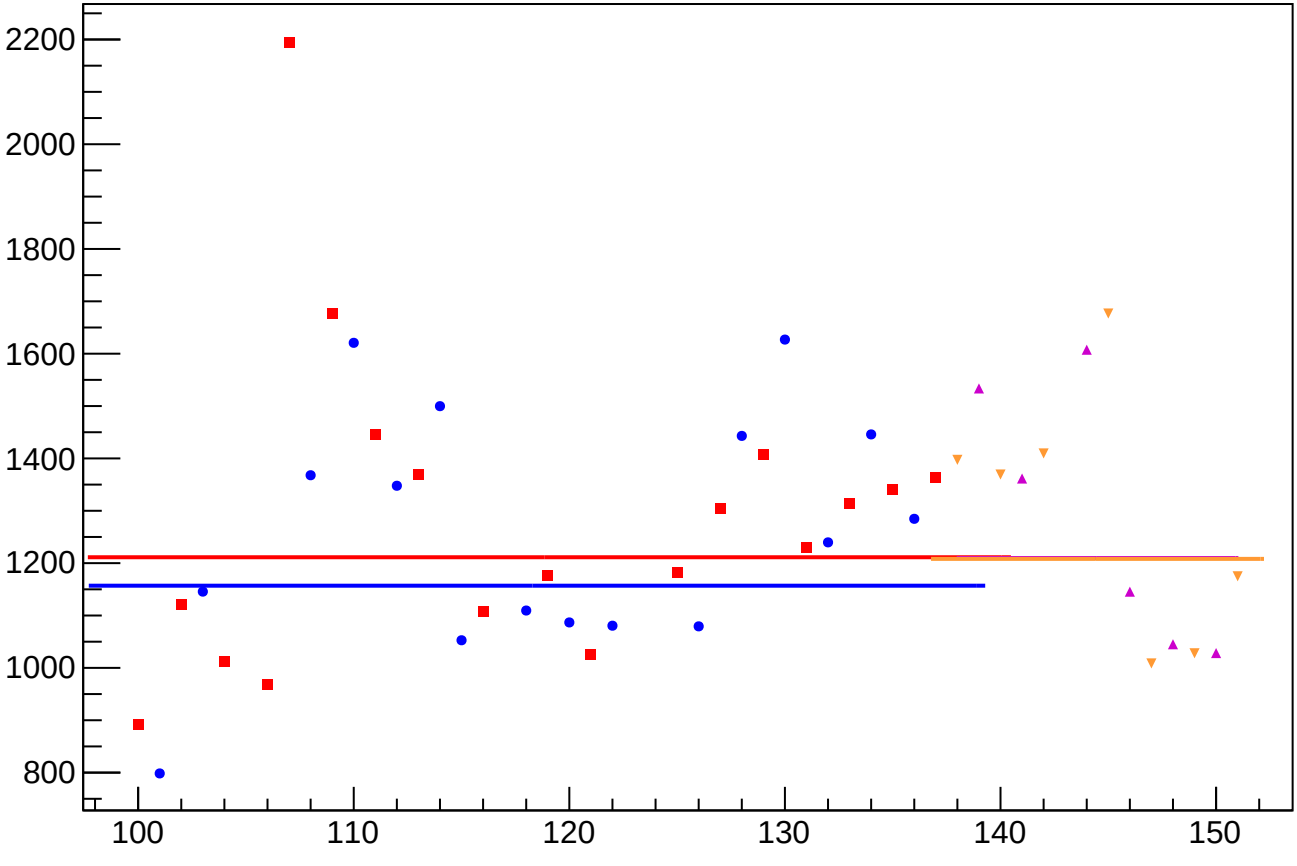
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -41.975+/-340.716 χ^2/NDF:17.1/21

Out: 196.224+/-345.570 χ^2/NDF:24.7/24

All: 75.440+/-242.621 χ^2/NDF: 42.0/46

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1208.163+/-0.376 χ^2/NDF:311866.3/6

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

Left In: 1209.762+/-0.380 χ^2/NDF:308137.5/5

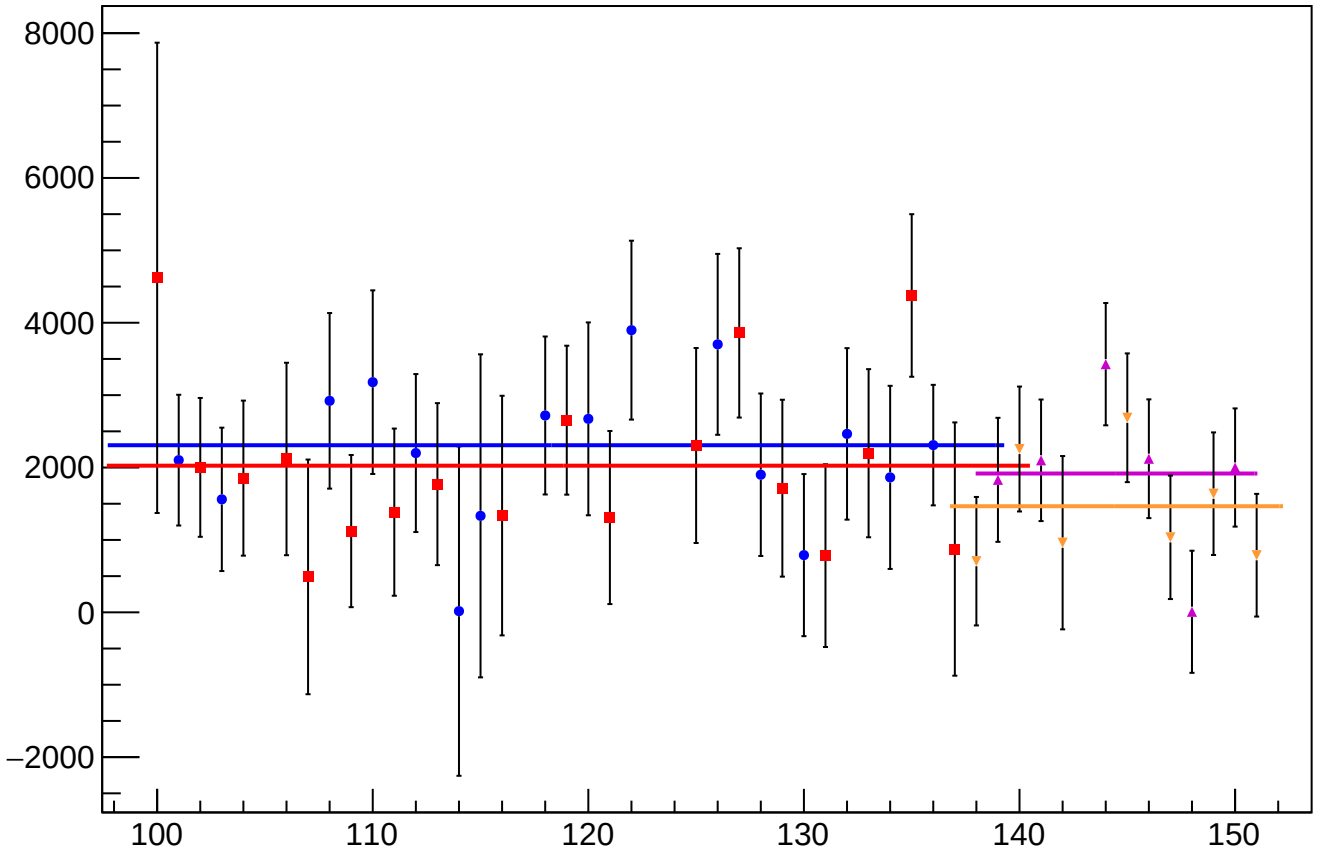
Left: 1208.954+/-0.267 χ^2/NDF: 620012.7/12

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

In: 1178.204+/-0.241 χ^2/NDF:888814.0/21

Out: 1209.953+/-0.244 χ^2/NDF:709620.1/24

All: 1193.854+/-0.172 χ^2/NDF: 1606994.4/46



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

Left Out: 1465.570+/-338.260 χ^2/NDF:4.6/6

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

Left In: 1917.511+/-341.479 χ^2/NDF:8.5/5

Left: 1689.400+/-240.316 χ^2/NDF: 13.9/12

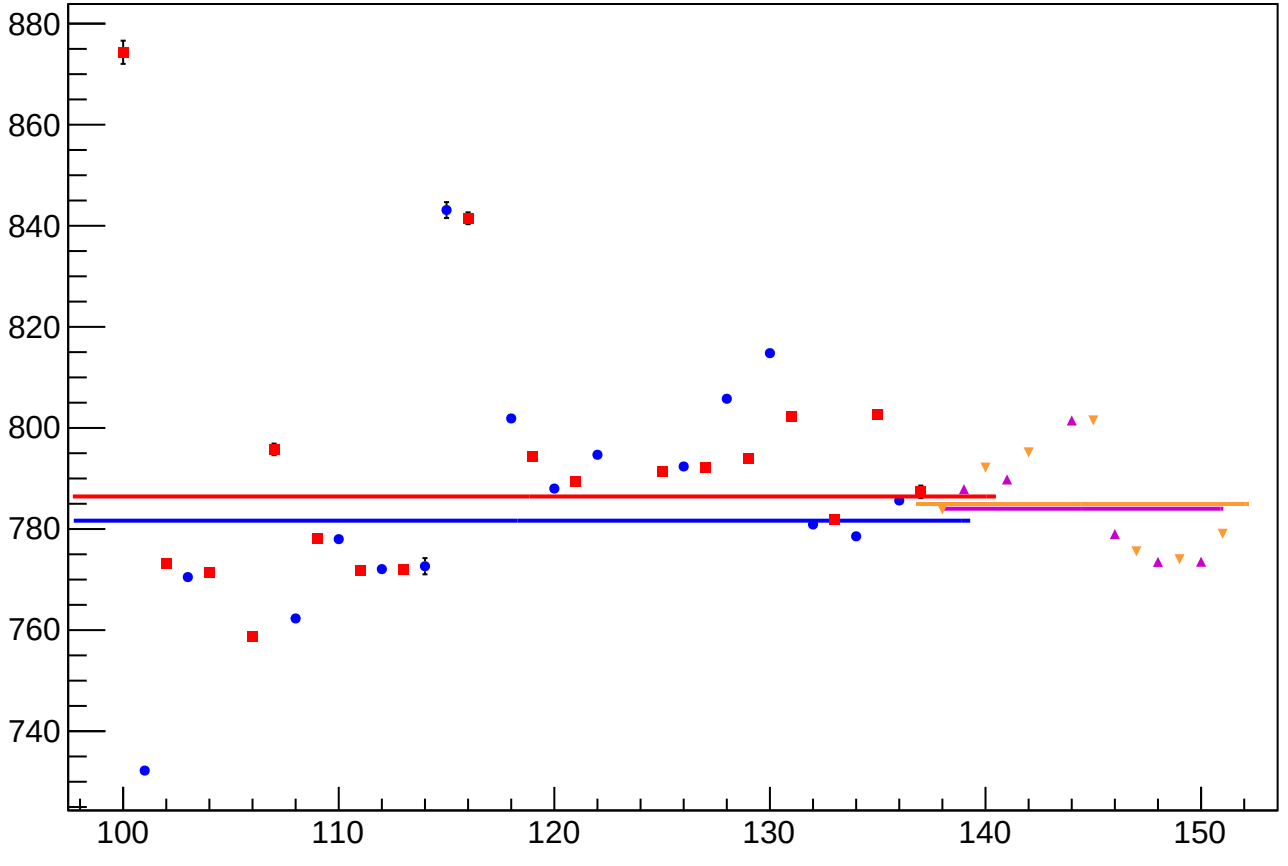
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2144.186+/-221.235 χ^2/NDF:17.0/21

Out: 1788.559+/-220.075 χ^2/NDF:18.1/24

All: 1965.437+/-156.025 χ^2/NDF: 36.4/46

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 784.951+/-0.239 χ^2/NDF:1651.2/6

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

Left In: 784.020+/-0.241 χ^2/NDF:1706.0/5

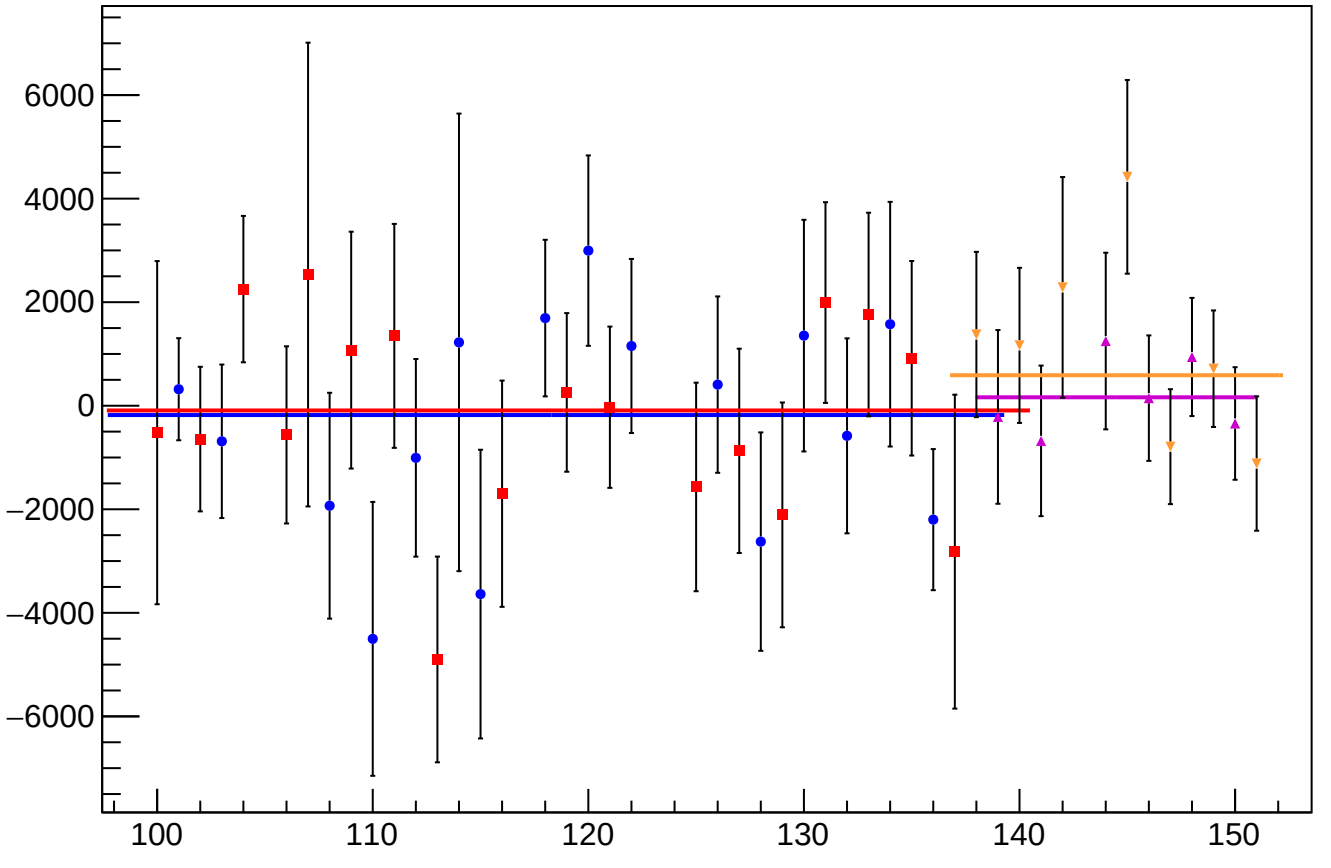
Left: 784.490+/-0.170 χ^2/NDF: 3364.7/12

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

In: 782.647+/-0.156 χ^2/NDF:14080.8/21

Out: 785.811+/-0.156 χ^2/NDF:8875.3/24

All: 784.238+/-0.110 χ^2/NDF: 23161.7/46



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

Left Out: 588.911+/-531.527 χ^2/NDF:8.5/6

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

Left In: 162.839+/-537.063 χ^2/NDF:1.5/5

Left: 378.082+/-377.788 χ^2/NDF: 10.3/12

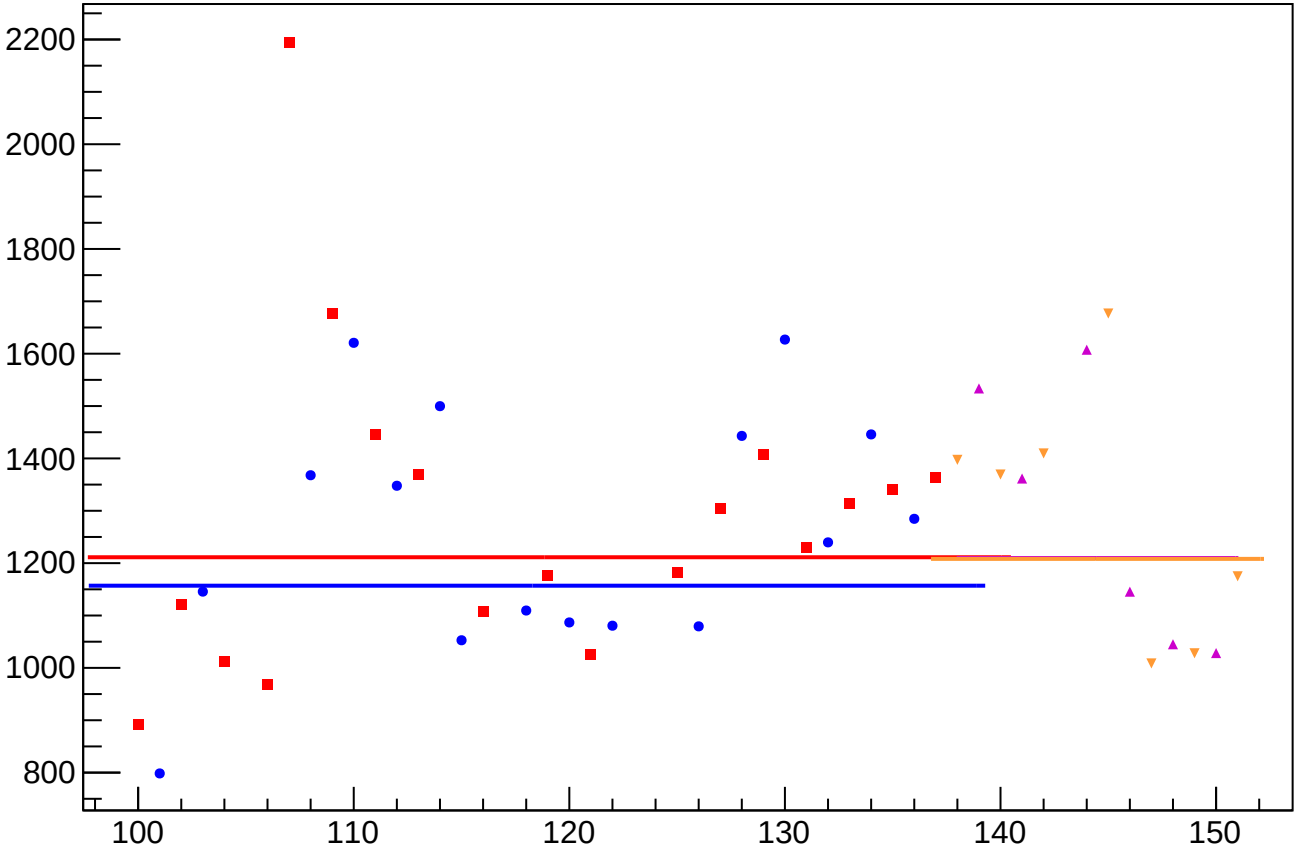
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -41.975+/-340.716 χ^2/NDF:17.1/21

Out: 196.224+/-345.570 χ^2/NDF:24.7/24

All: 75.440+/-242.621 χ^2/NDF: 42.0/46

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1208.163+/-0.376 χ^2/NDF:311866.3/6

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

Left In: 1209.762+/-0.380 χ^2/NDF:308137.5/5

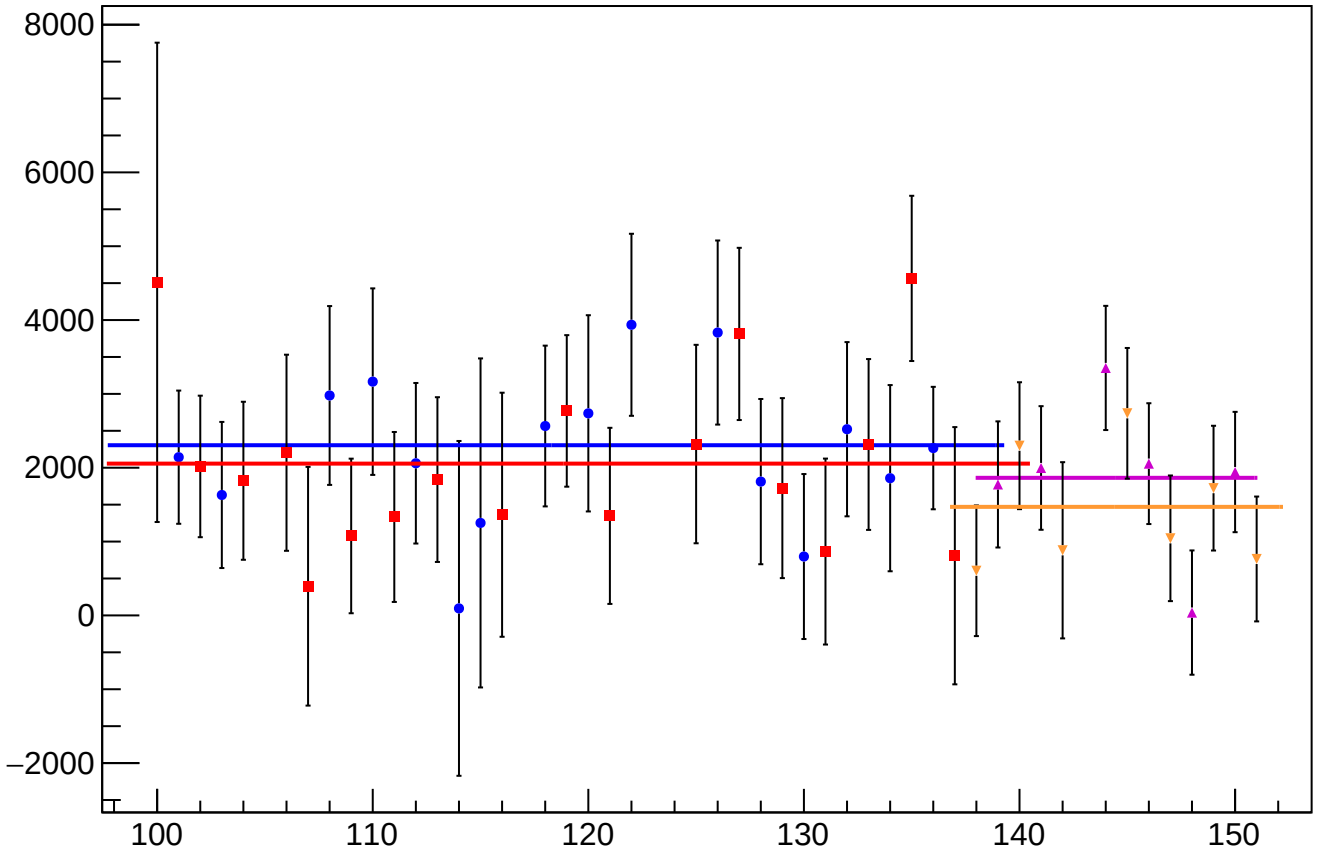
Left: 1208.954+/-0.267 χ^2/NDF: 620012.7/12

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

In: 1178.204+/-0.241 χ^2/NDF:888814.0/21

Out: 1209.953+/-0.244 χ^2/NDF:709620.1/24

All: 1193.854+/-0.172 χ^2/NDF: 1606994.4/46



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

Left Out: 1470.054+/-337.240 χ^2/NDF:5.2/6

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

Left In: 1863.330+/-340.518 χ^2/NDF:7.9/5

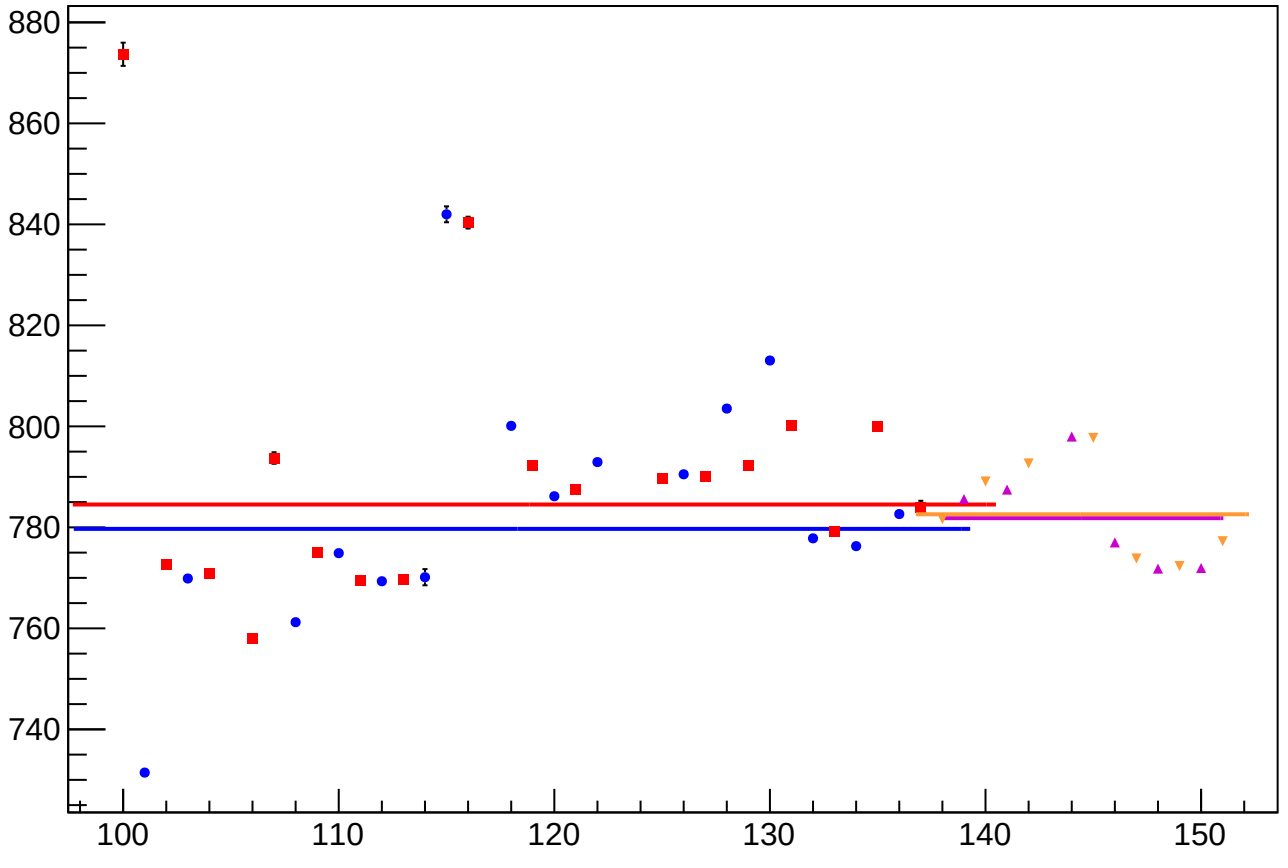
Left: 1664.789+/-239.615 χ^2/NDF: 13.8/12

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

In: 2119.461+/-220.652 χ^2/NDF:17.0/21

Out: 1807.616+/-219.485 χ^2/NDF:19.8/24

All: 1962.711+/-155.610 χ^2/NDF: 37.8/46



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

Left Out: 782.592+/-0.238 χ^2/NDF:1429.1/6

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

Left In: 781.823+/-0.241 χ^2/NDF:1514.0/5

Left: 782.211+/-0.169 χ^2/NDF: 2948.3/12

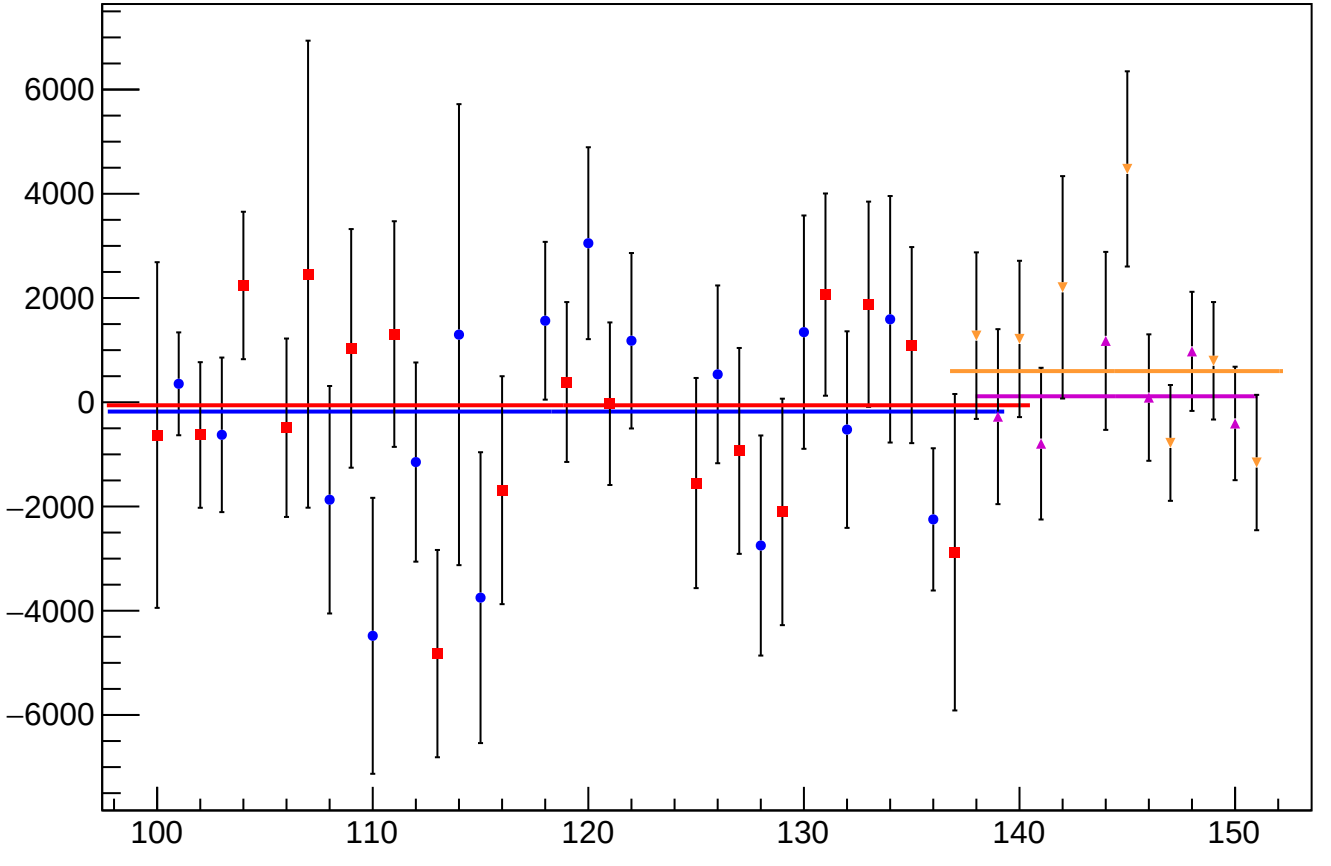
Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

In: 780.593+/-0.156 χ^2/NDF:13619.3/21

Out: 783.706+/-0.155 χ^2/NDF:8626.9/24

All: 782.158+/-0.110 χ^2/NDF: 22446.4/46

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: 597.681+/-532.150 χ^2/NDF:8.6/6

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

Left In: 114.728+/-537.645 χ^2/NDF:1.6/5

Left: 358.685+/-378.215 χ^2/NDF: 10.6/12

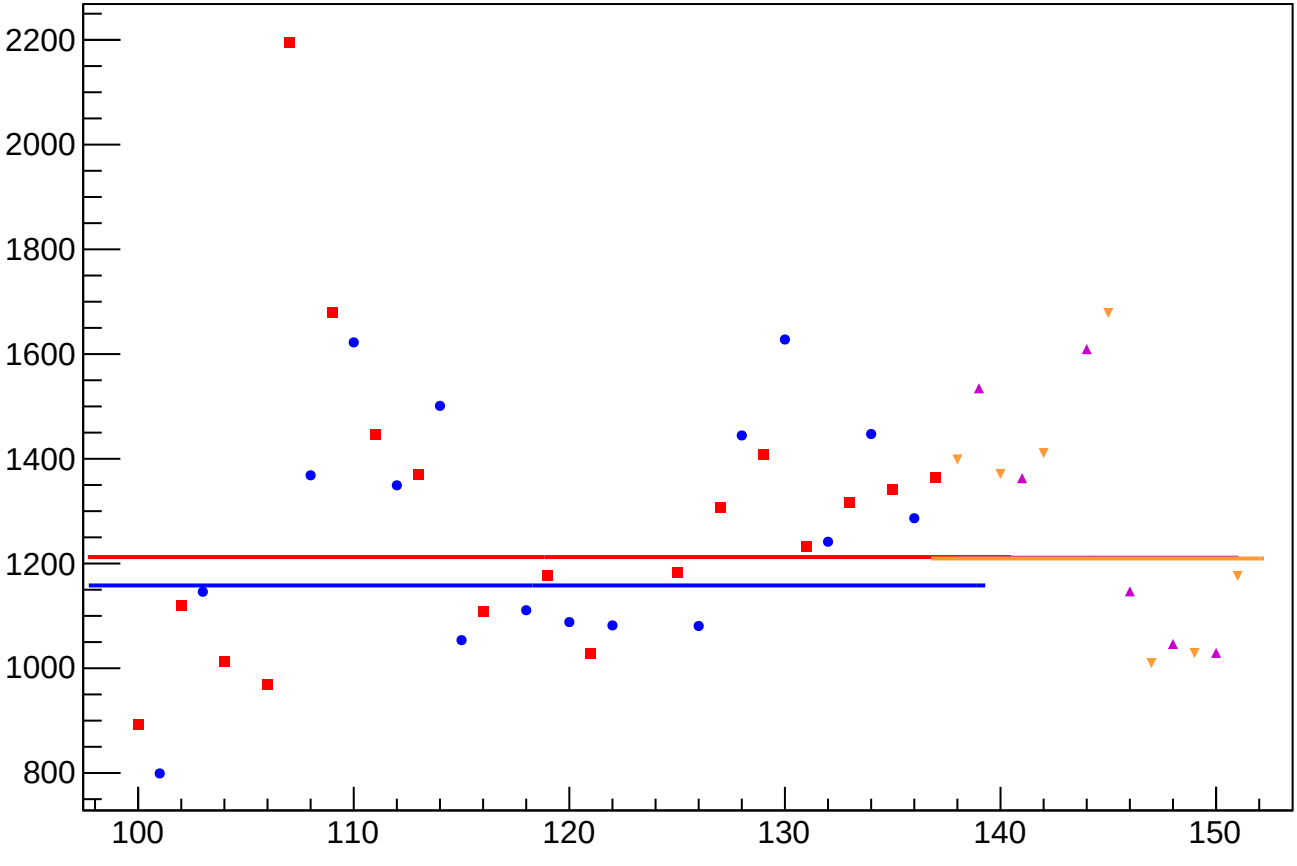
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -60.468+/-341.071 χ^2/NDF:17.5/21

Out: 219.036+/-345.919 χ^2/NDF:24.7/24

All: 77.312+/-242.869 χ^2/NDF: 42.6/46

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1209.618+/-0.376 χ^2/NDF:311497.2/6

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

Left In: 1211.102+/-0.380 χ^2/NDF:307796.2/5

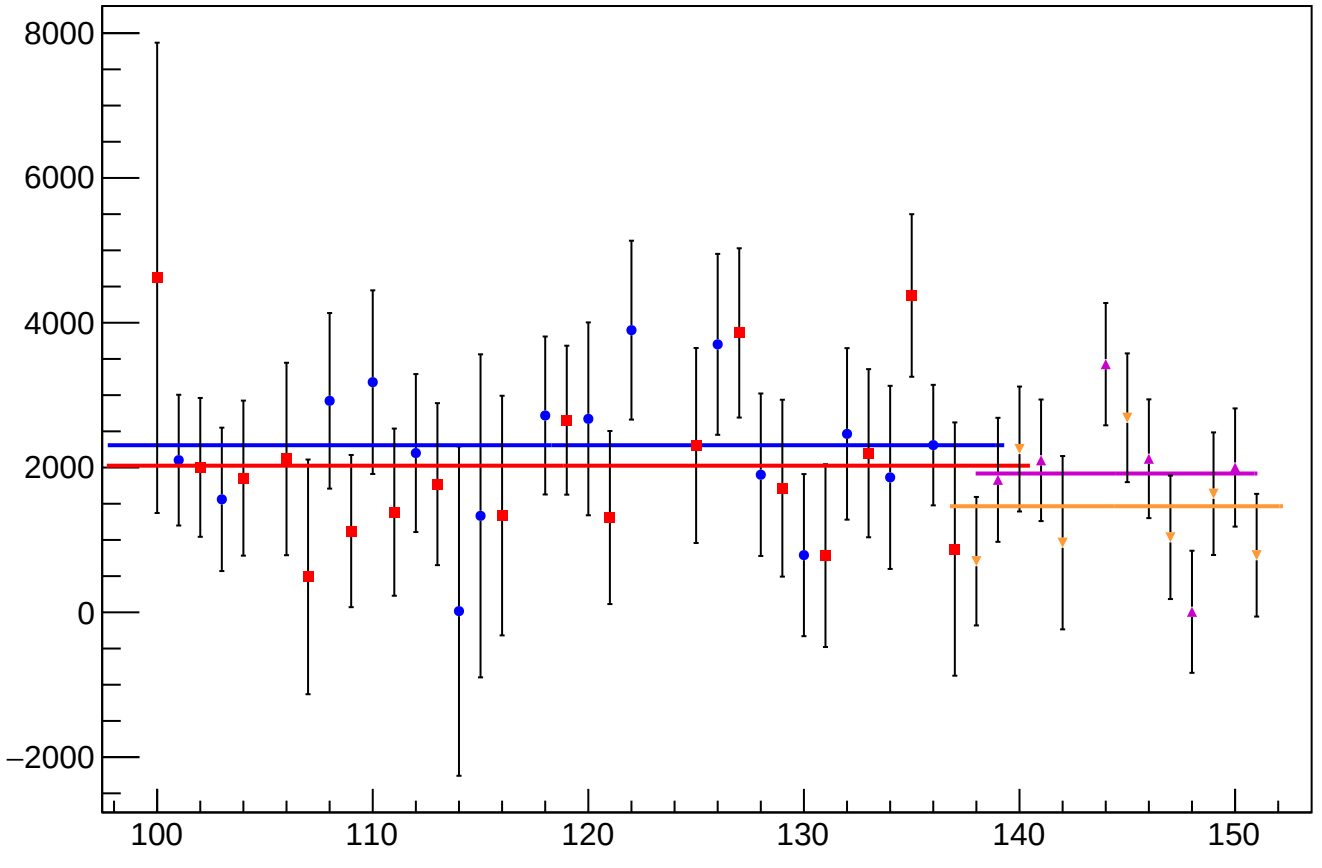
Left: 1210.352+/-0.267 χ^2/NDF: 619301.0/12

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

In: 1179.450+/-0.241 χ^2/NDF:888541.0/21

Out: 1211.194+/-0.245 χ^2/NDF:709465.6/24

All: 1195.098+/-0.172 χ^2/NDF: 1606546.5/46



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

Left Out: 1465.570+/-338.260 χ^2/NDF:4.6/6

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

Left In: 1917.511+/-341.479 χ^2/NDF:8.5/5

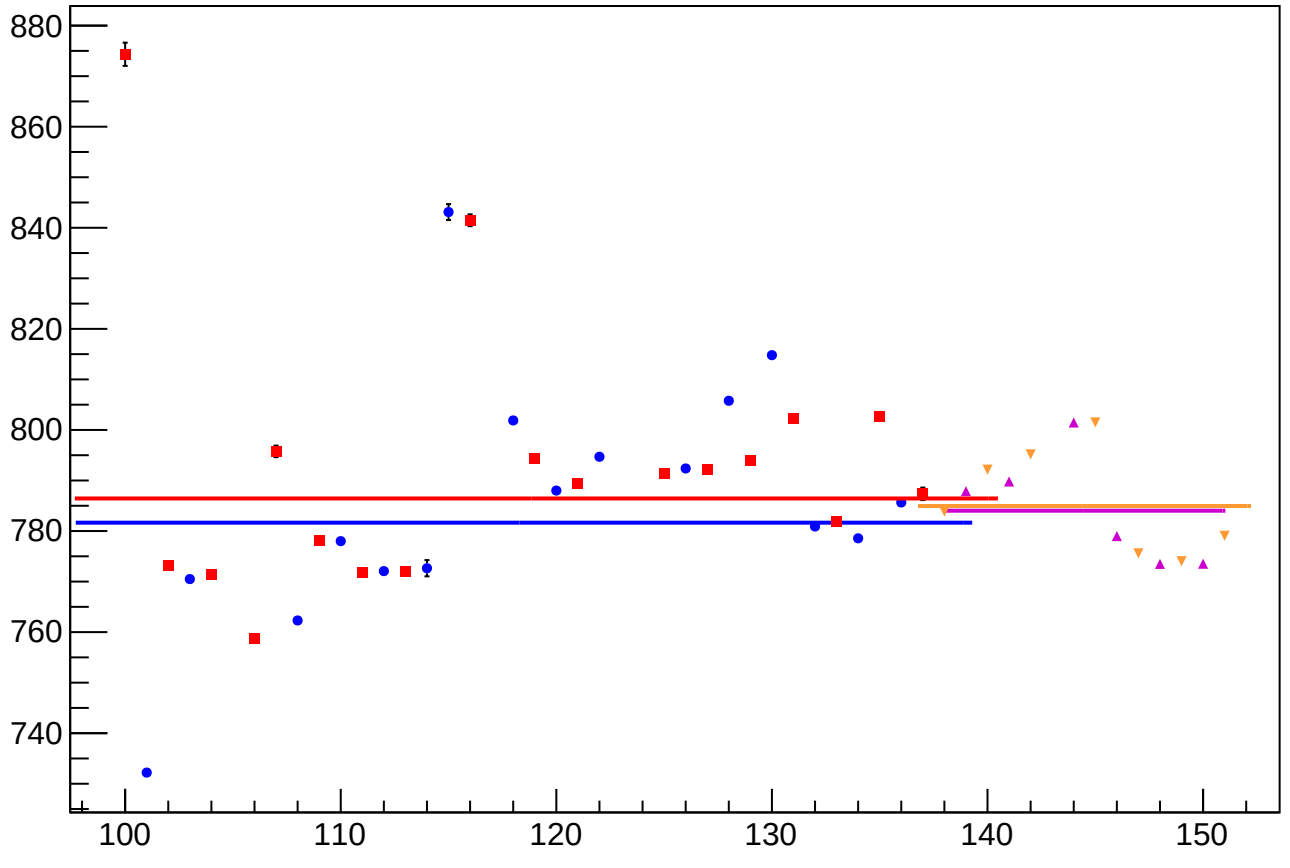
Left: 1689.400+/-240.316 χ^2/NDF: 13.9/12

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

In: 2144.186+/-221.235 χ^2/NDF:17.0/21

Out: 1788.559+/-220.075 χ^2/NDF:18.1/24

All: 1965.437+/-156.025 χ^2/NDF: 36.4/46



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

Left Out: 784.951+/-0.239 χ^2/NDF:1651.2/6

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

Left In: 784.020+/-0.241 χ^2/NDF:1706.0/5

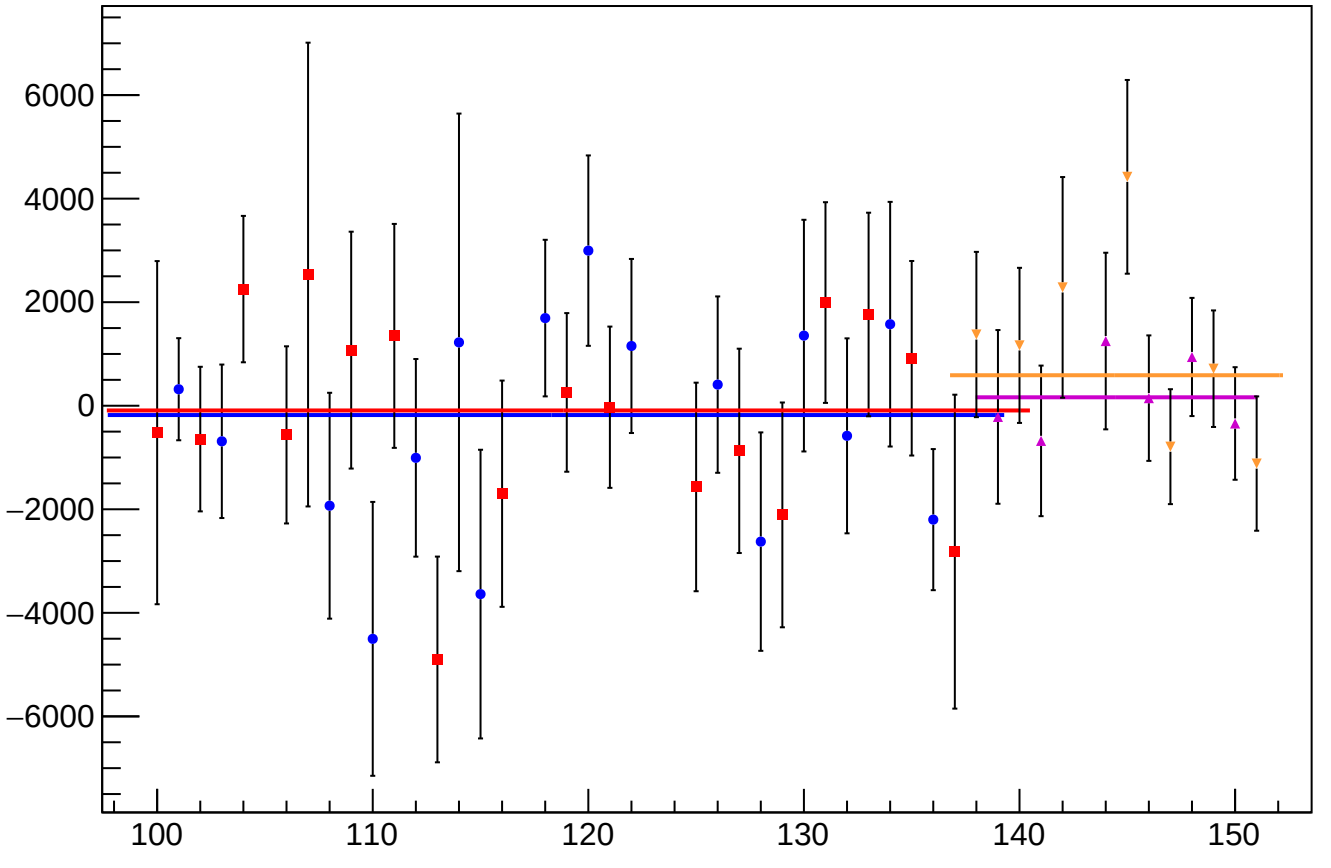
Left: 784.490+/-0.170 χ^2/NDF: 3364.7/12

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

In: 782.647+/-0.156 χ^2/NDF:14080.8/21

Out: 785.811+/-0.156 χ^2/NDF:8875.3/24

All: 784.238+/-0.110 χ^2/NDF: 23161.7/46



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

Left Out: 588.911+/-531.527 χ^2/NDF:8.5/6

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

Left In: 162.839+/-537.063 χ^2/NDF:1.5/5

Left: 378.082+/-377.788 χ^2/NDF: 10.3/12

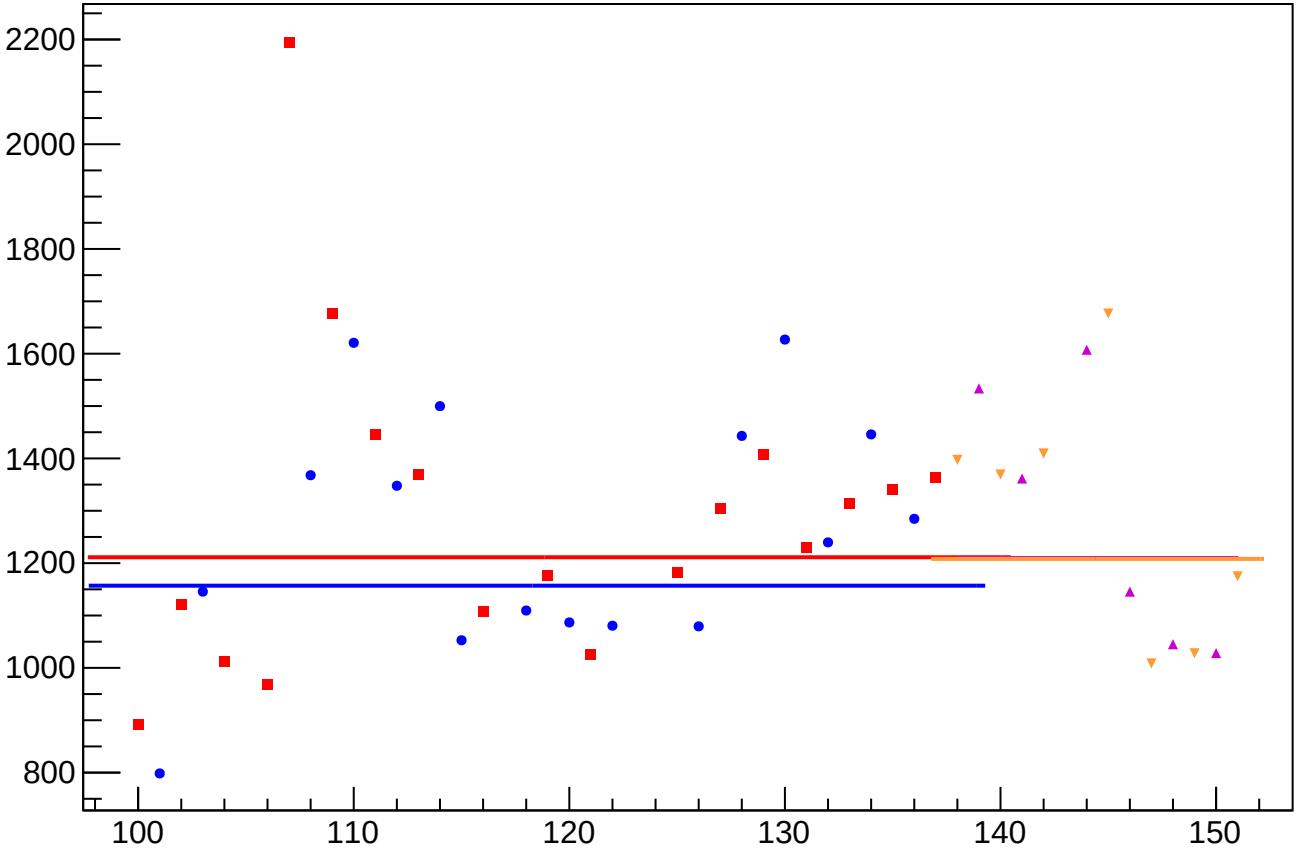
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -41.975+/-340.716 χ^2/NDF:17.1/21

Out: 196.224+/-345.570 χ^2/NDF:24.7/24

All: 75.440+/-242.621 χ^2/NDF: 42.0/46

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: 1208.163+/-0.376 χ^2/NDF:311866.3/6

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

Left In: 1209.762+/-0.380 χ^2/NDF:308137.5/5

Left: 1208.954+/-0.267 χ^2/NDF: 620012.7/12

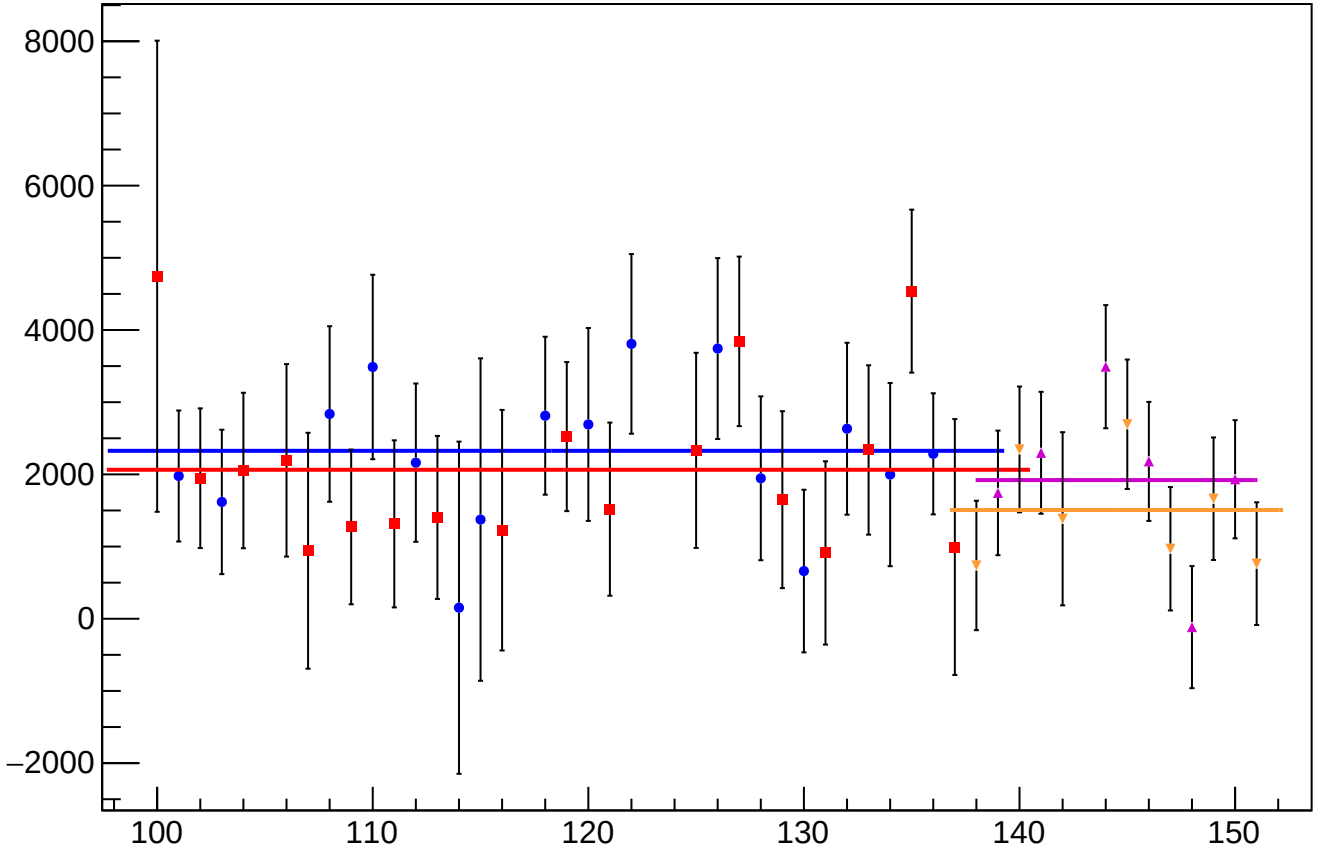
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1178.204+/-0.241 χ^2/NDF:888814.0/21

Out: 1209.953+/-0.244 χ^2/NDF:709620.1/24

All: 1193.854+/-0.172 χ^2/NDF: 1606994.4/46

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1506.030+/-340.189 χ^2/NDF:4.6/6

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

Left In: 1921.203+/-343.397 χ^2/NDF:9.5/5

Left: 1711.668+/-241.676 χ^2/NDF: 14.9/12

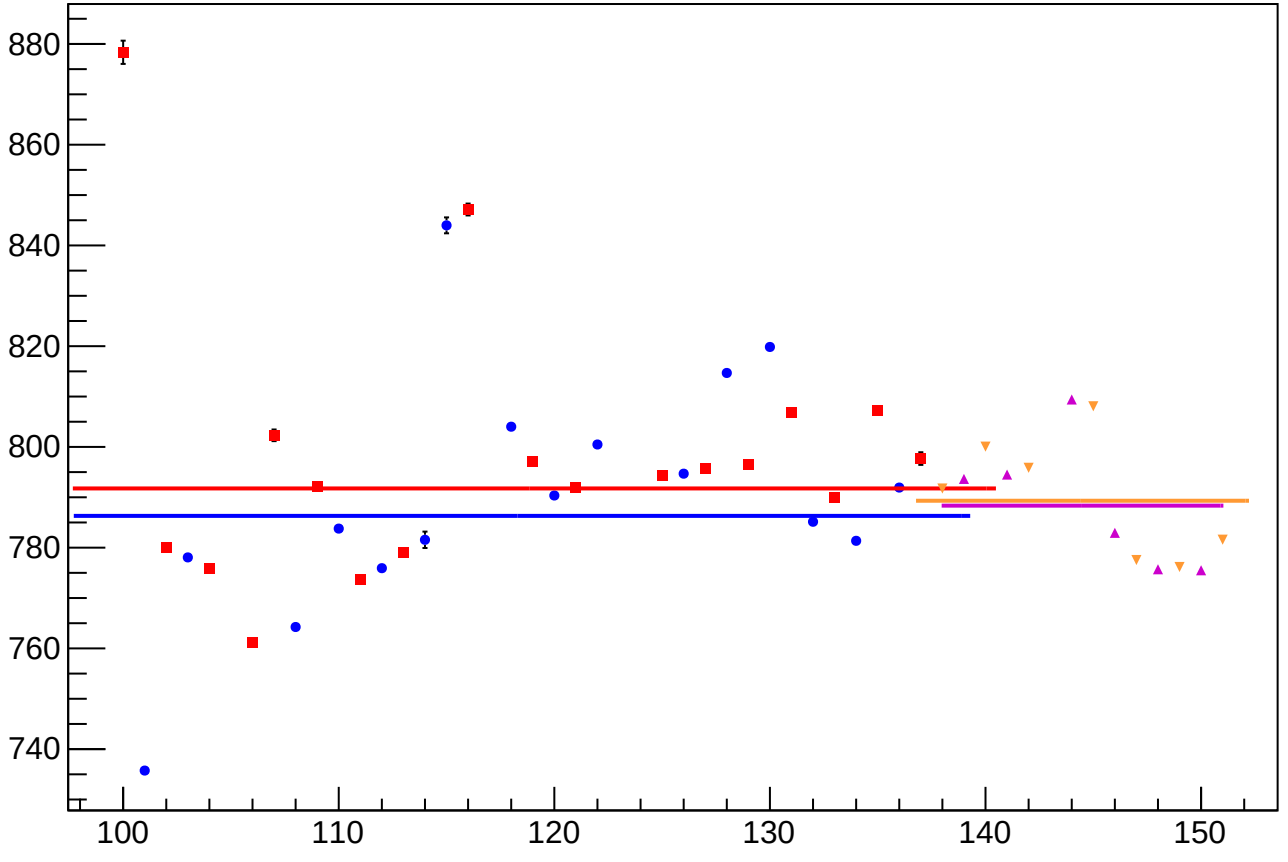
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2156.263+/-222.528 χ^2/NDF:18.5/21

Out: 1827.483+/-221.479 χ^2/NDF:17.8/24

All: 1991.097+/-156.979 χ^2/NDF: 37.4/46

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 789.314+/-0.241 χ^2/NDF:2277.4/6

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

Left In: 788.342+/-0.243 χ^2/NDF:2426.2/5

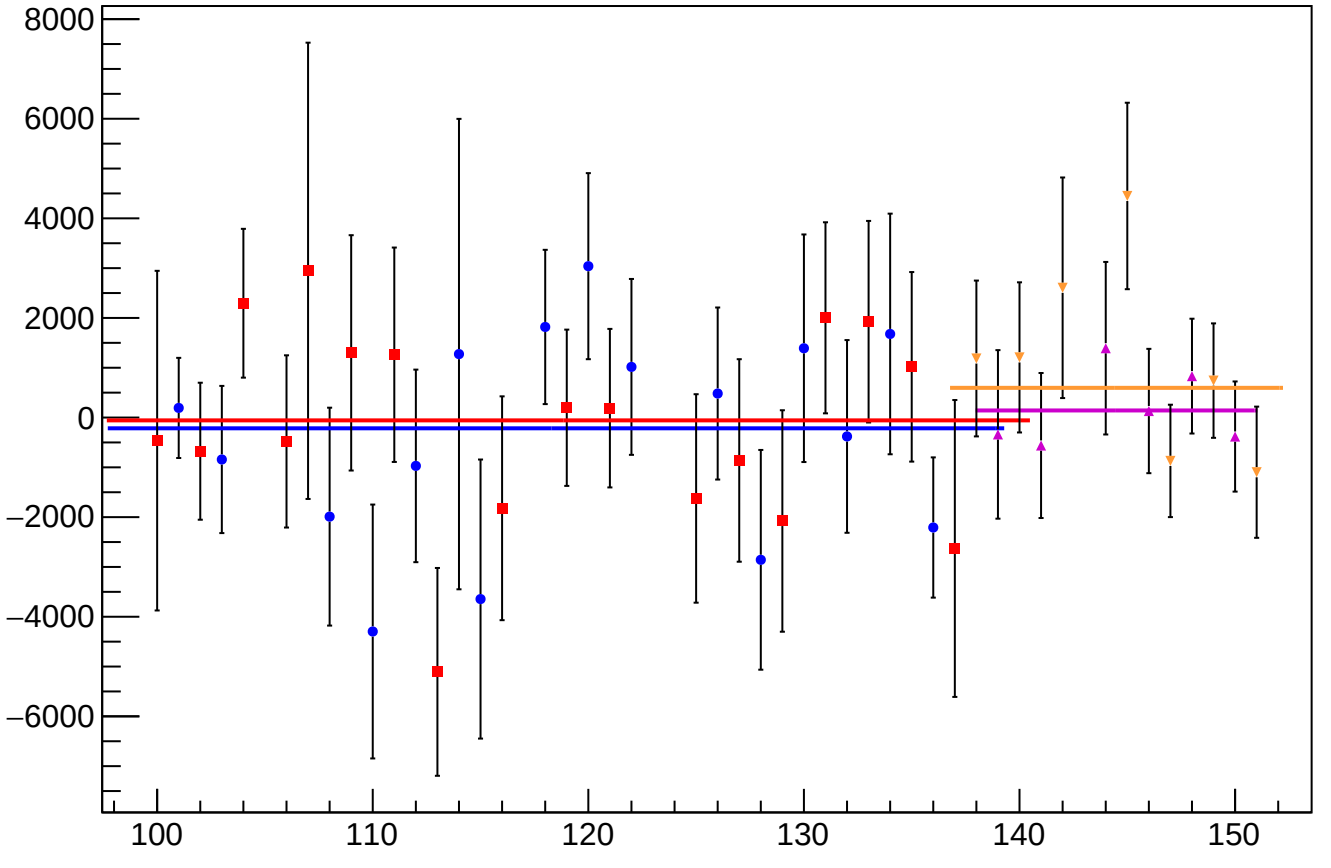
Left: 788.833+/-0.171 χ^2/NDF: 4711.7/12

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

In: 787.163+/-0.157 χ^2/NDF:15038.0/21

Out: 790.721+/-0.157 χ^2/NDF:9351.8/24

All: 788.951+/-0.111 χ^2/NDF: 24646.7/46



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

Left Out: 596.407+/-537.839 χ^2/NDF:8.7/6

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

Left In: 142.379+/-545.039 χ^2/NDF:1.4/5

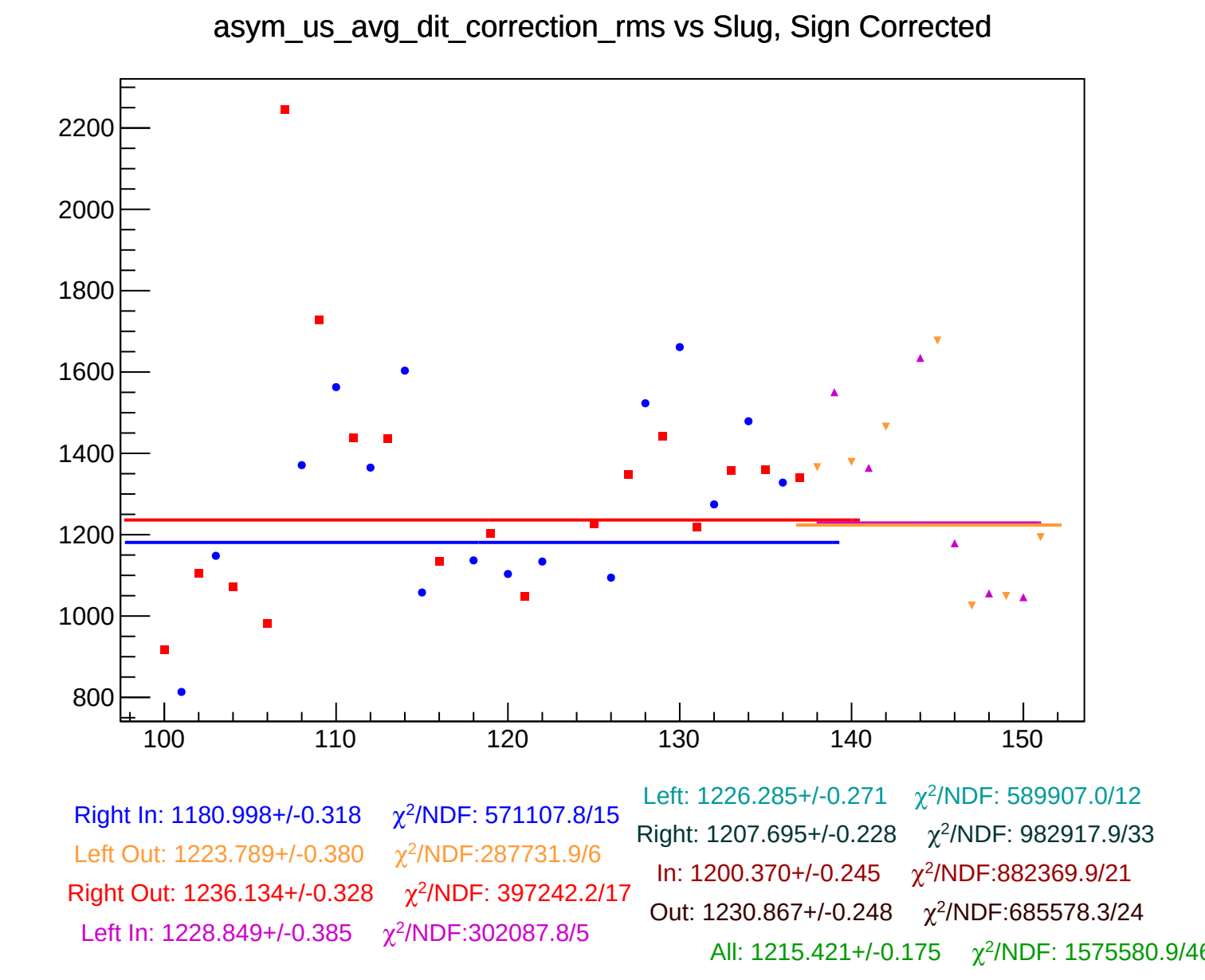
Left: 372.412+/-382.830 χ^2/NDF: 10.5/12

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

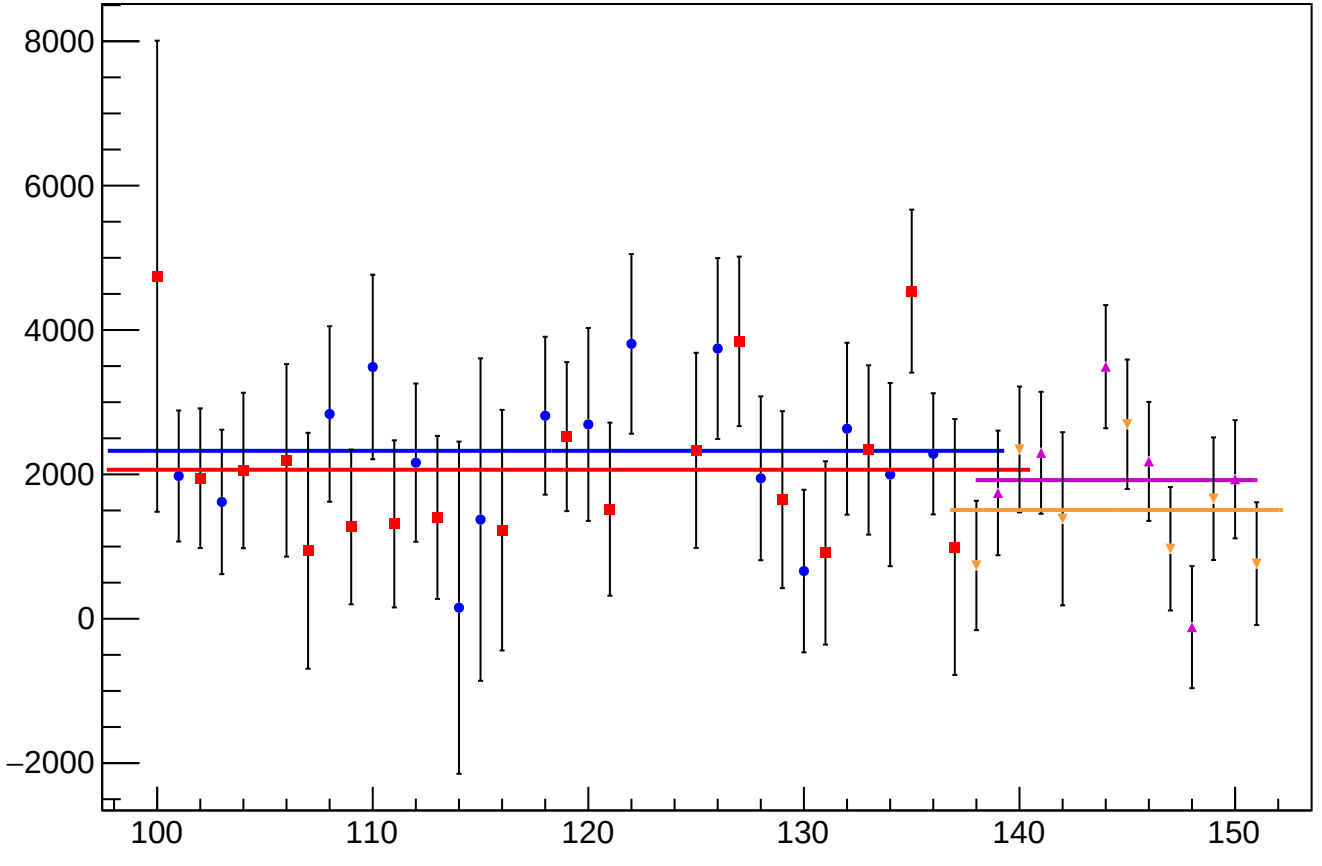
In: -71.018+/-346.798 χ^2/NDF:17.0/21

Out: 221.914+/-351.317 χ^2/NDF:24.7/24

All: 73.552+/-246.806 χ^2/NDF: 42.0/46


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1223.789+/-0.380 χ²/NDF:287731.9/6
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1228.849+/-0.385 χ²/NDF:302087.8/5
Left: 1226.285+/-0.271 χ²/NDF: 589907.0/12
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1200.370+/-0.245 χ²/NDF:882369.9/21
Out: 1230.867+/-0.248 χ²/NDF:685578.3/24
All: 1215.421+/-0.175 χ²/NDF: 1575580.9/46

eigen_dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1506.030+/-340.189 χ^2/NDF:4.6/6

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

Left In: 1921.203+/-343.397 χ^2/NDF:9.5/5

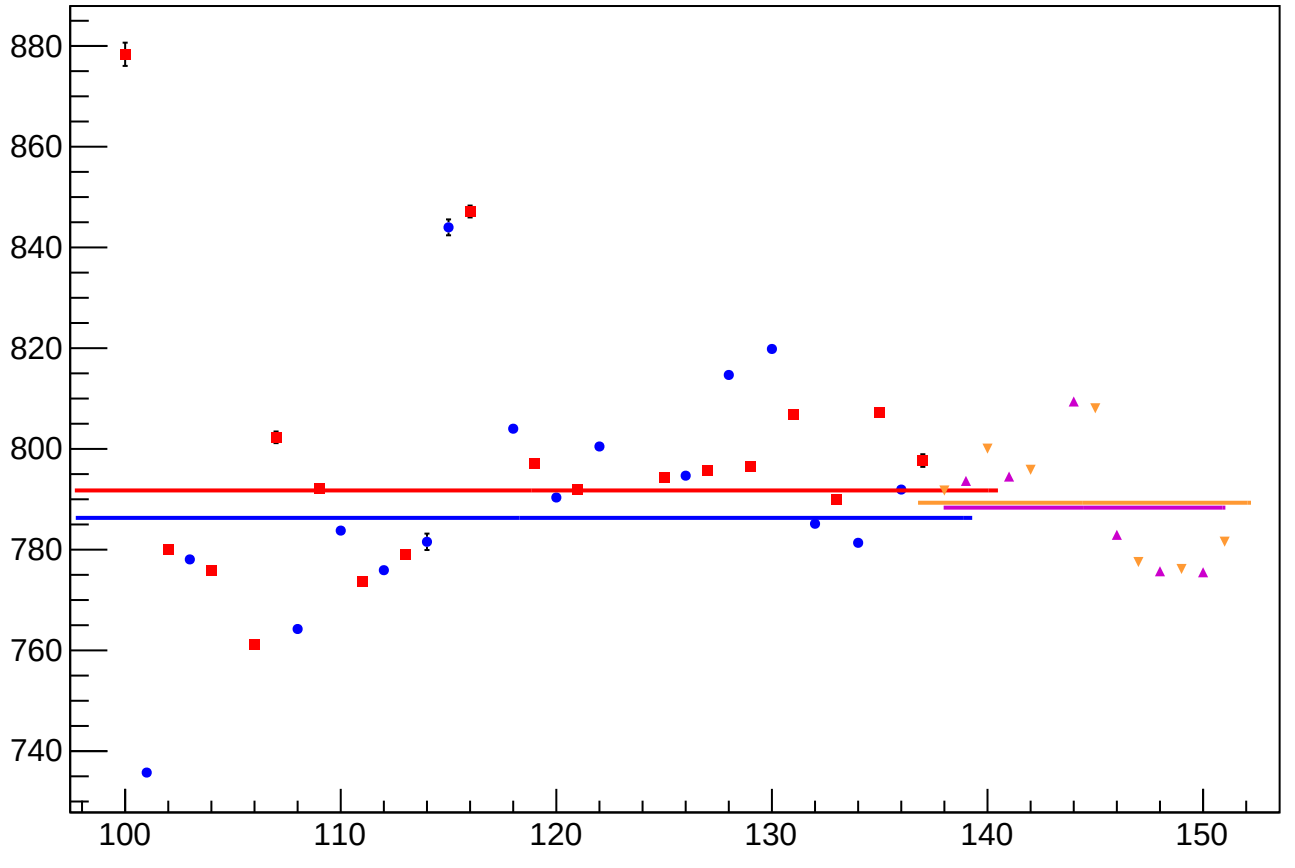
Left: 1711.668+/-241.676 χ^2/NDF: 14.9/12

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

In: 2156.263+/-222.528 χ^2/NDF:18.5/21

Out: 1827.482+/-221.479 χ^2/NDF:17.8/24

All: 1991.096+/-156.979 χ^2/NDF: 37.4/46



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

Left Out: 789.314+/-0.241 χ^2/NDF:2277.3/6

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

Left In: 788.342+/-0.243 χ^2/NDF:2426.2/5

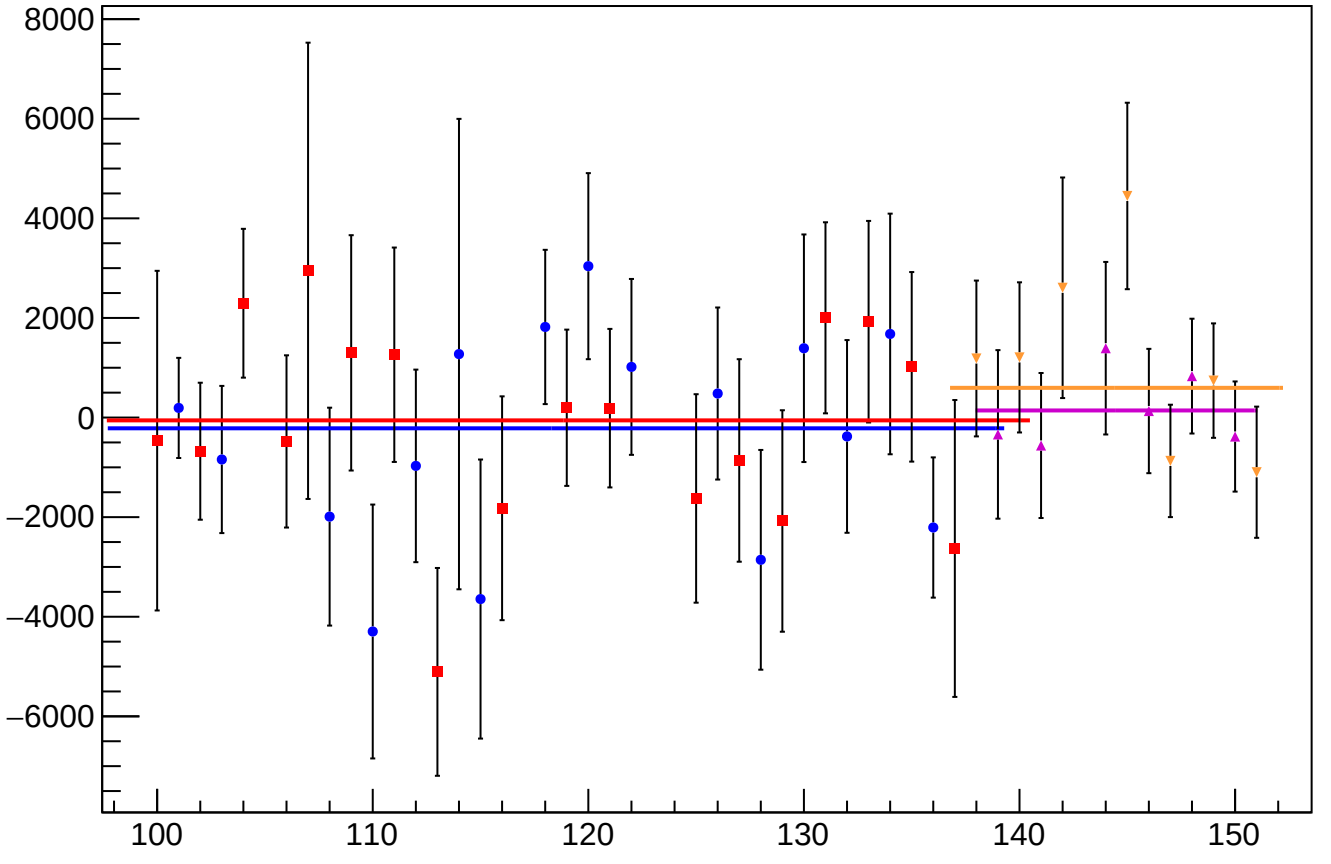
Left: 788.833+/-0.171 χ^2/NDF: 4711.7/12

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

In: 787.163+/-0.157 χ^2/NDF:15037.9/21

Out: 790.721+/-0.157 χ^2/NDF:9351.8/24

All: 788.950+/-0.111 χ^2/NDF: 24646.6/46



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

Left Out: 596.403+/-537.840 χ^2/NDF:8.7/6

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

Left In: 142.380+/-545.040 χ^2/NDF:1.4/5

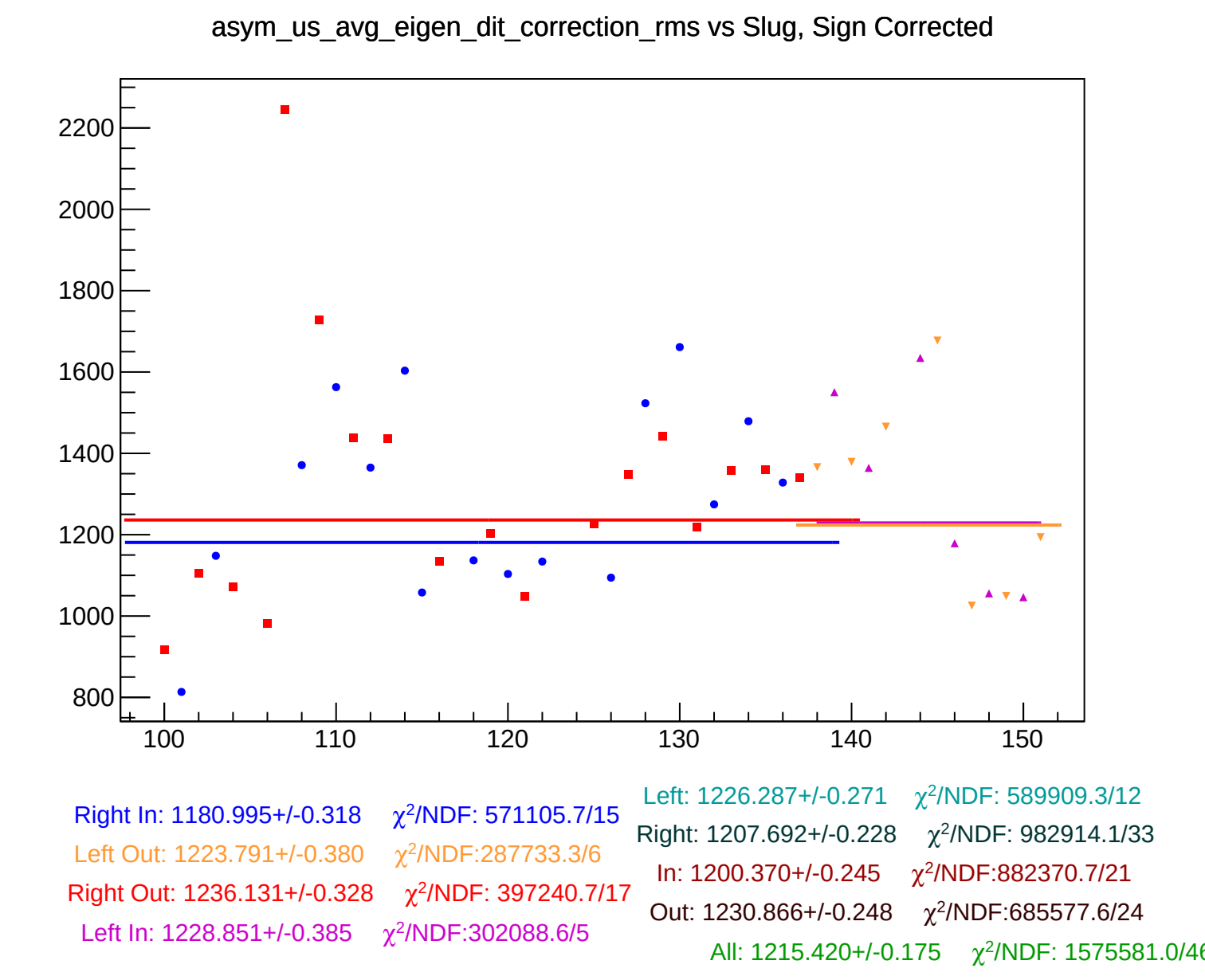
Left: 372.410+/-382.831 χ^2/NDF: 10.5/12

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

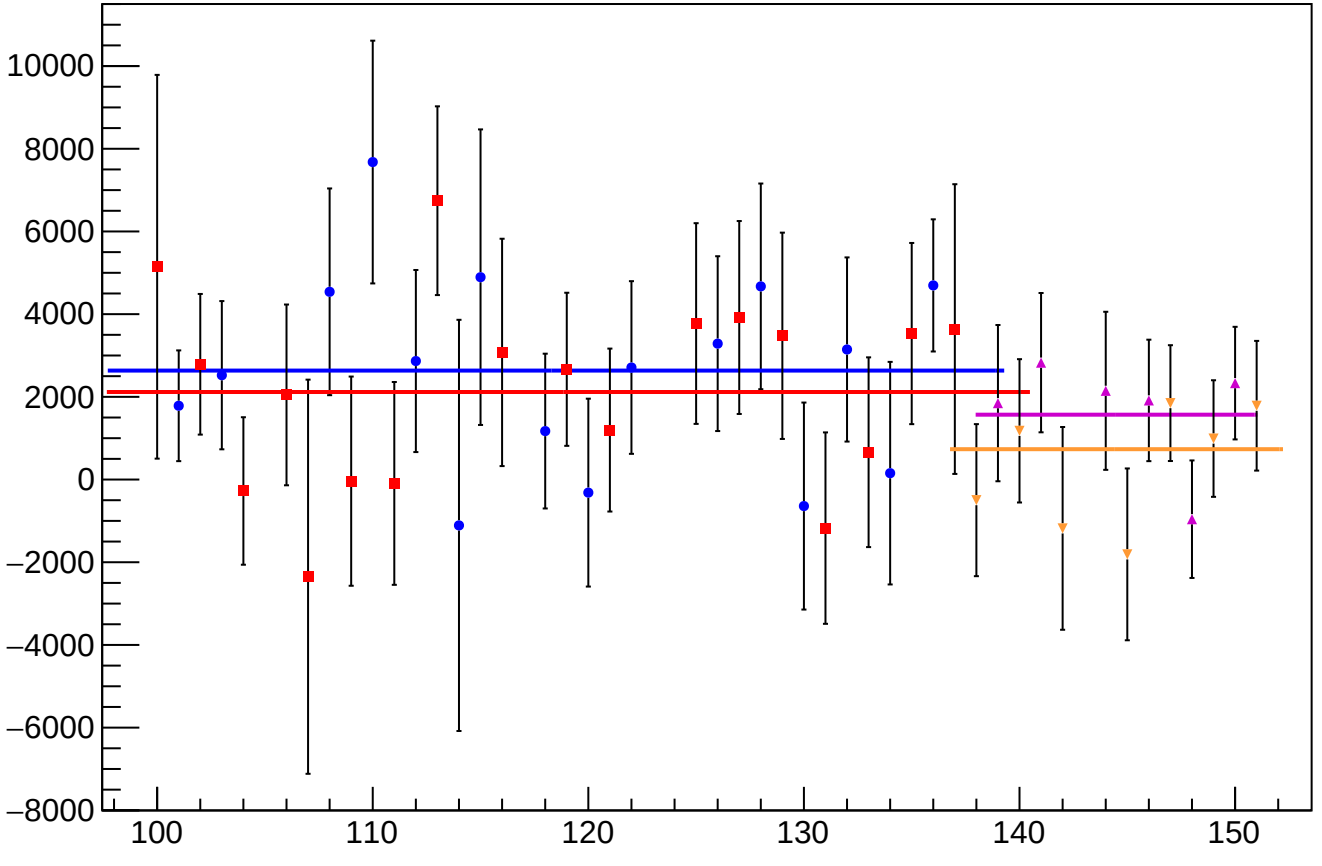
In: -71.018+/-346.798 χ^2/NDF:17.0/21

Out: 221.911+/-351.317 χ^2/NDF:24.7/24

All: 73.551+/-246.805 χ^2/NDF: 42.0/46


asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1180.995+/-0.318 χ²/NDF: 571105.7/15
Left Out: 1223.791+/-0.380 χ²/NDF:287733.3/6
Right Out: 1236.131+/-0.328 χ²/NDF: 397240.7/17
Left In: 1228.851+/-0.385 χ²/NDF:302088.6/5
Left: 1226.287+/-0.271 χ²/NDF: 589909.3/12
Right: 1207.692+/-0.228 χ²/NDF: 982914.1/33
In: 1200.370+/-0.245 χ²/NDF:882370.7/21
Out: 1230.866+/-0.248 χ²/NDF:685577.6/24
All: 1215.420+/-0.175 χ²/NDF: 1575581.0/46

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 734.134+/-639.406 χ^2/NDF:3.7/6

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

Left In: 1568.537+/-644.924 χ^2/NDF:4.2/5

Left: 1147.751+/-454.066 χ^2/NDF: 8.8/12

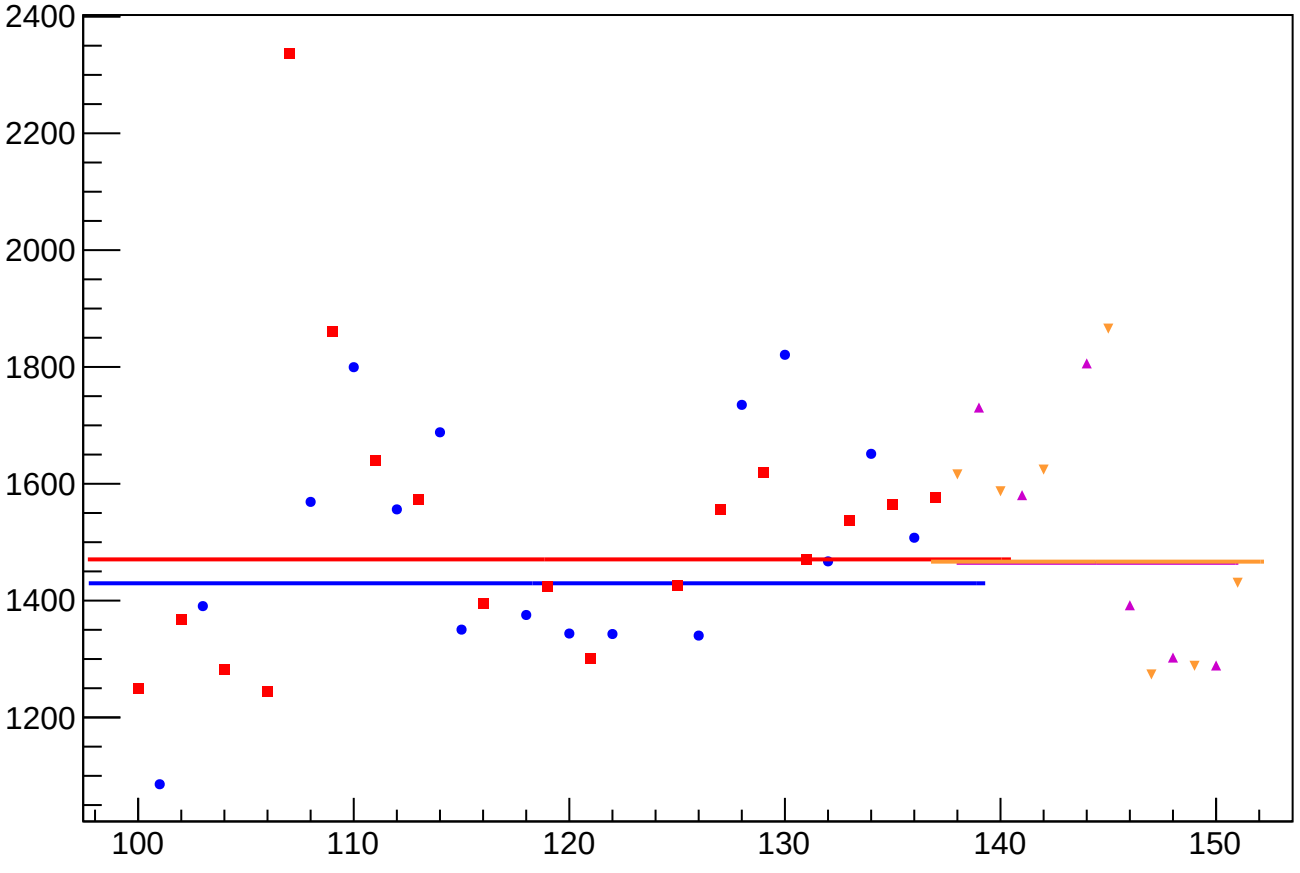
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2197.585+/-413.141 χ^2/NDF:18.1/21

Out: 1532.123+/-415.866 χ^2/NDF:20.2/24

All: 1867.041+/-293.094 χ^2/NDF: 39.5/46

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1466.719+/-0.452 χ^2/NDF:175904.5/6

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

Left In: 1464.692+/-0.456 χ^2/NDF:177120.5/5

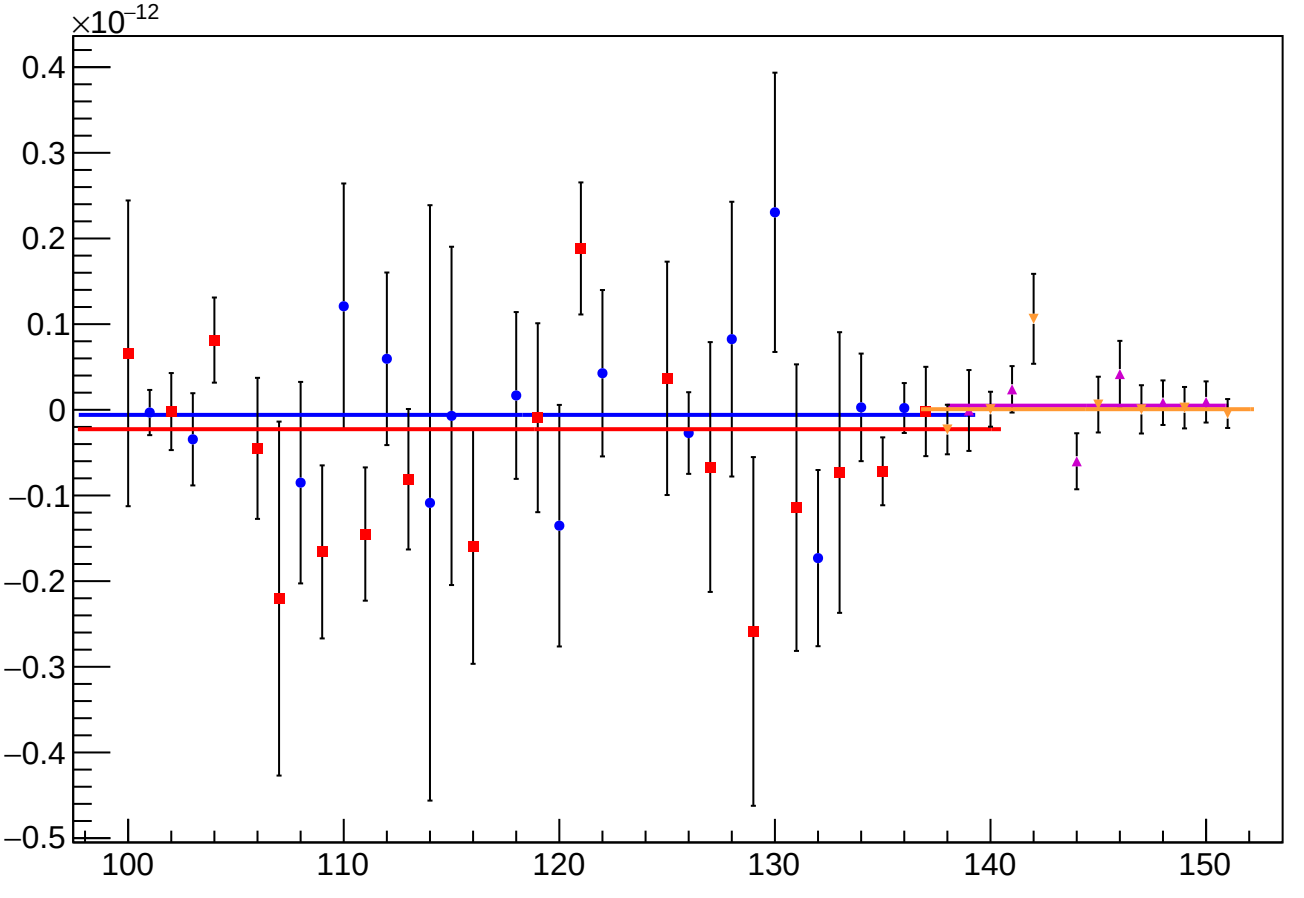
Left: 1465.714+/-0.321 χ^2/NDF: 353035.0/12

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

In: 1444.033+/-0.292 χ^2/NDF:473989.8/21

Out: 1468.938+/-0.294 χ^2/NDF:394013.7/24

All: 1456.404+/-0.207 χ^2/NDF: 871613.7/46



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/6

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

Left In: 0.000+/-0.000 χ^2/NDF:5.4/5

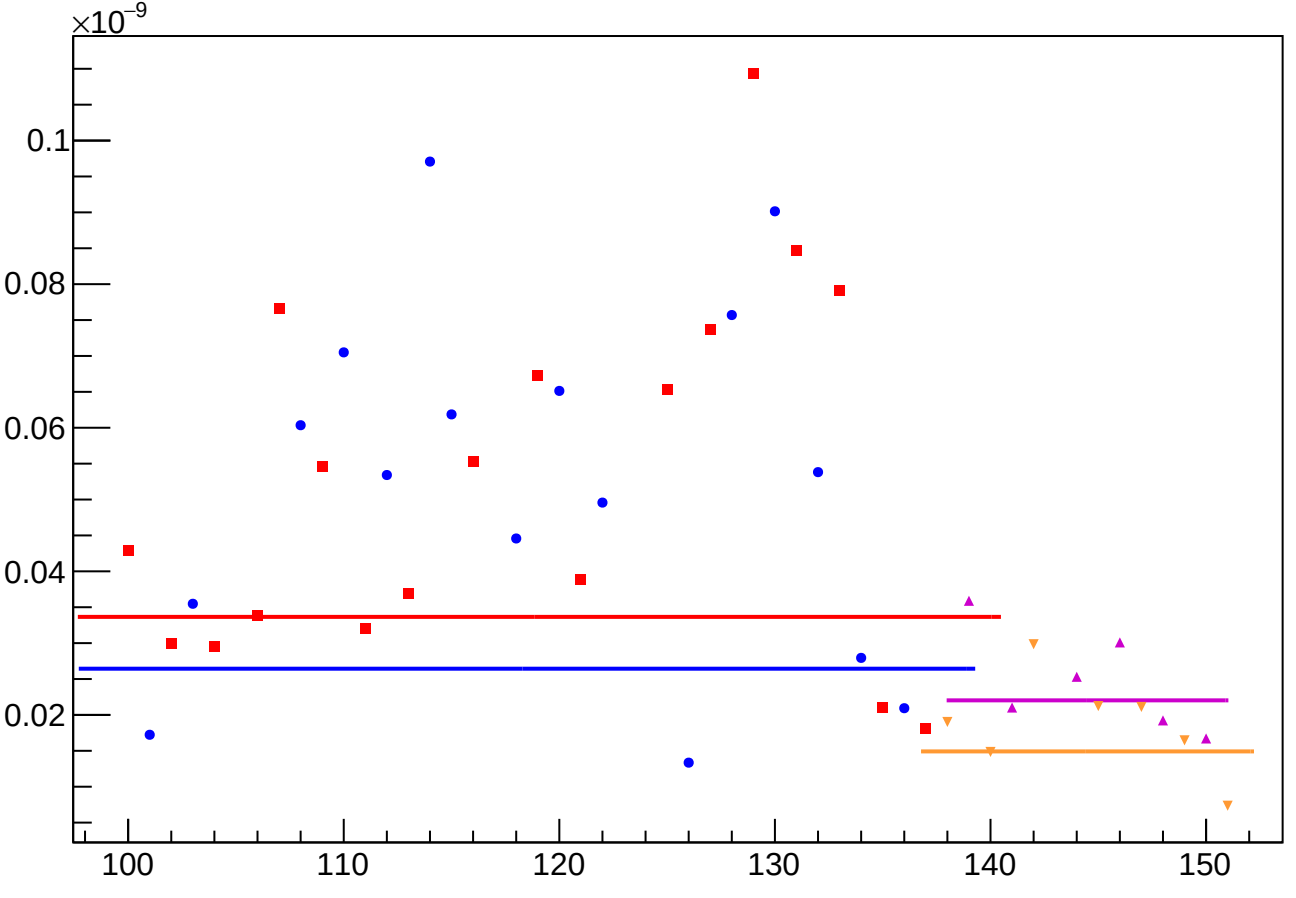
Left: 0.000+/-0.000 χ^2/NDF: 10.3/12

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

In: 0.000+/-0.000 χ^2/NDF:14.2/21

Out: -0.000+/-0.000 χ^2/NDF:29.2/24

All: -0.000+/-0.000 χ^2/NDF: 43.6/46



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

Left Out: 0.000+/-0.000 χ^2/NDF:783482.3/6

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

Left In: 0.000+/-0.000 χ^2/NDF:402999.4/5

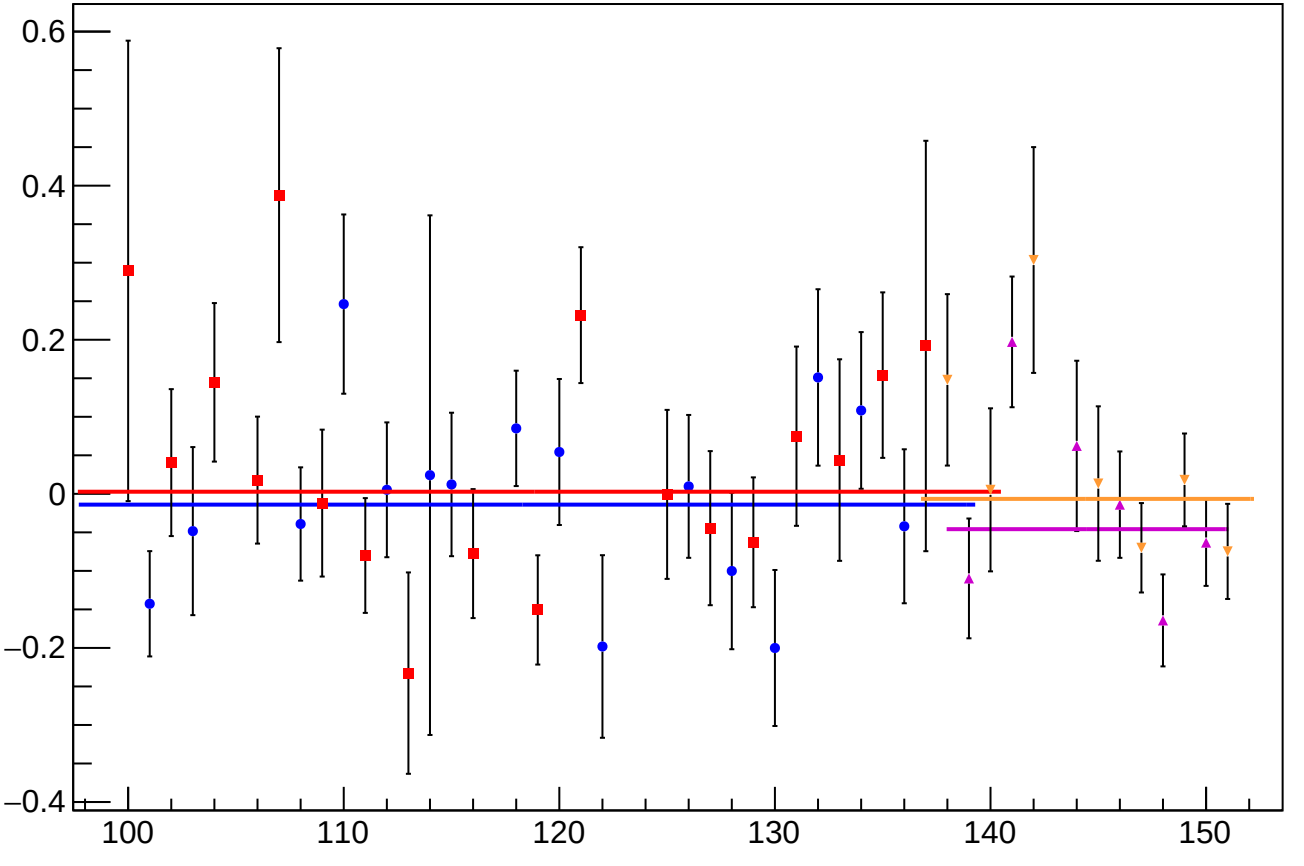
Left: 0.000+/-0.000 χ^2/NDF: 1610058.1/12

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

In: 0.000+/-0.000 χ^2/NDF:2643395.2/21

Out: 0.000+/-0.000 χ^2/NDF:4172139.2/24

All: 0.000+/-0.000 χ^2/NDF: 7117938.7/46



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

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

Left In: -0.046+/-0.029 χ^2/NDF:14.1/5

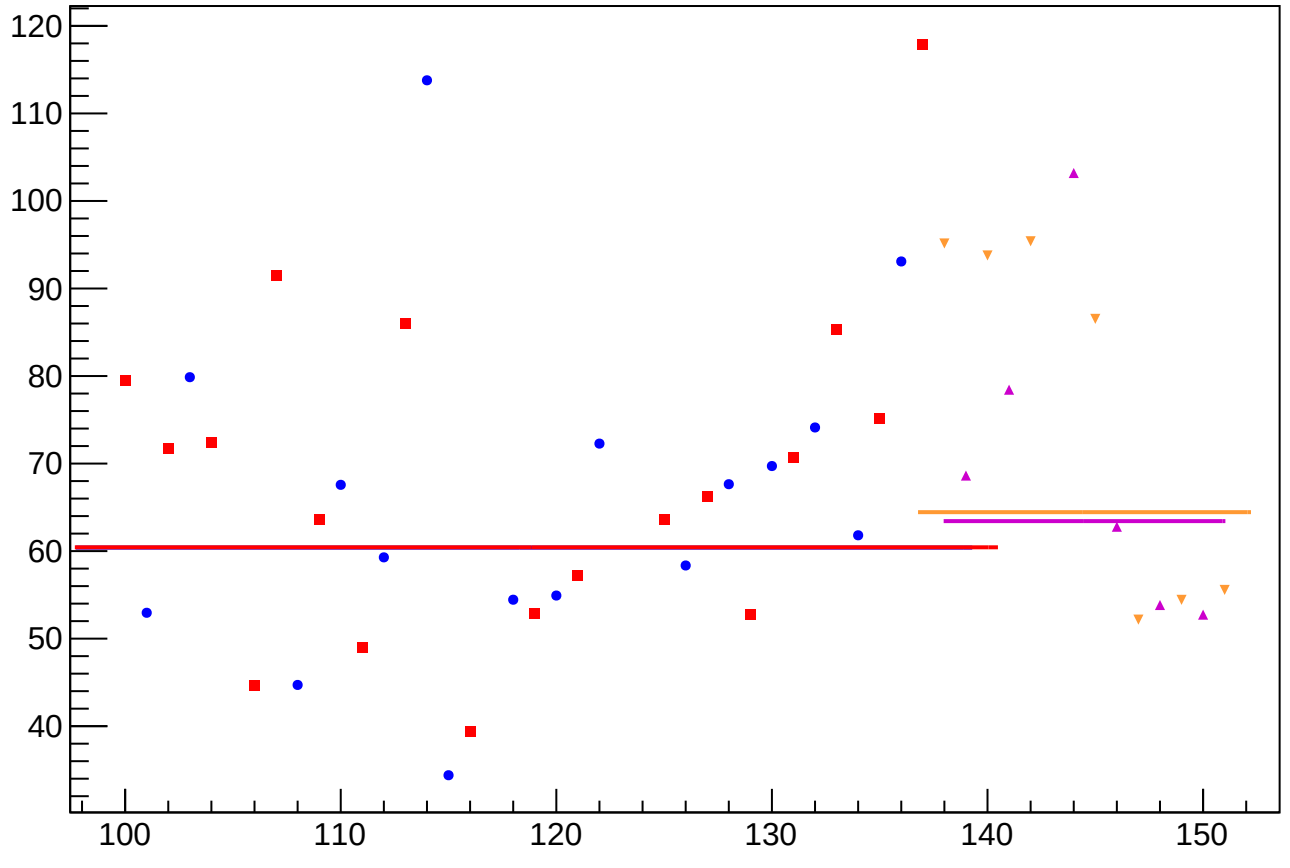
Left: -0.027+/-0.021 χ^2/NDF: 24.0/12

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

In: -0.027+/-0.018 χ^2/NDF:36.2/21

Out: -0.001+/-0.019 χ^2/NDF:36.9/24

All: -0.014+/-0.013 χ^2/NDF: 74.0/46



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

Left Out: 64.449+/-0.021 χ^2/NDF:678376.1/6

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

Left In: 63.426+/-0.020 χ^2/NDF:454497.3/5

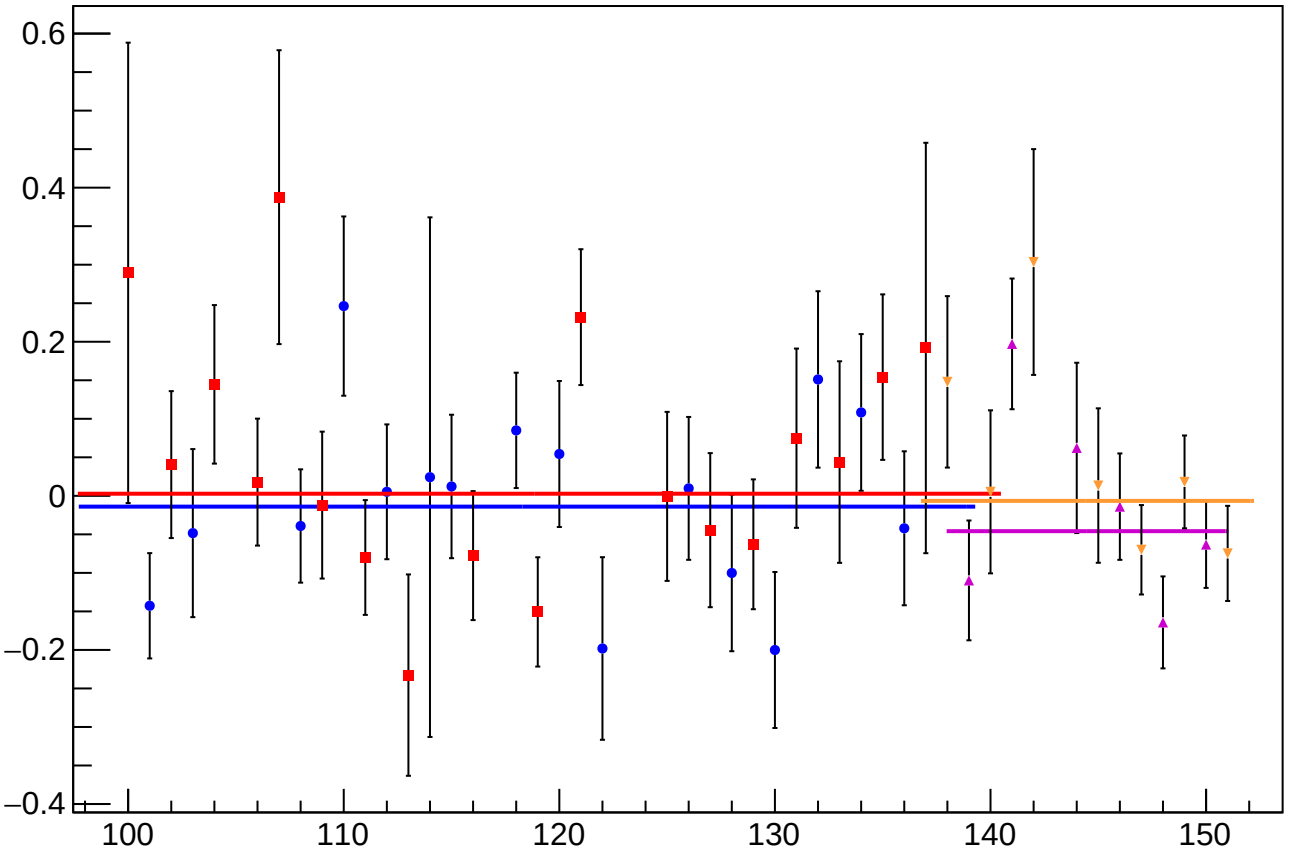
Left: 63.928+/-0.015 χ^2/NDF: 1134100.0/12

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

In: 61.623+/-0.013 χ^2/NDF:1170668.5/21

Out: 62.018+/-0.013 χ^2/NDF:1411936.9/24

All: 61.820+/-0.009 χ^2/NDF: 2583062.5/46



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

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

Left In: -0.046+/-0.029 χ^2/NDF:14.1/5

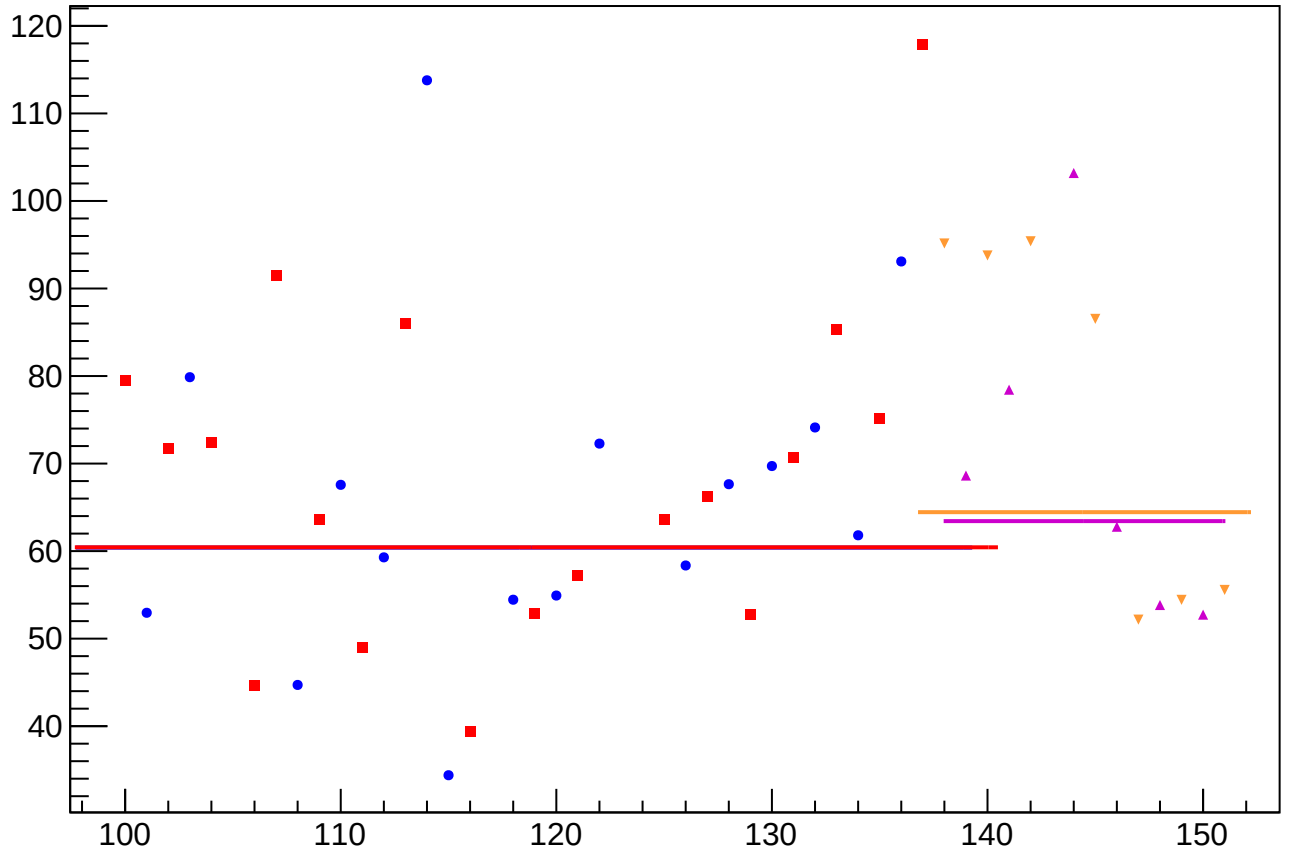
Left: -0.027+/-0.021 χ^2/NDF: 24.0/12

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

In: -0.027+/-0.018 χ^2/NDF:36.2/21

Out: -0.001+/-0.019 χ^2/NDF:36.9/24

All: -0.014+/-0.013 χ^2/NDF: 74.0/46



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

Left Out: 64.449+/-0.021 χ^2/NDF:678376.1/6

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

Left In: 63.426+/-0.020 χ^2/NDF:454497.3/5

Left: 63.928+/-0.015 χ^2/NDF: 1134100.0/12

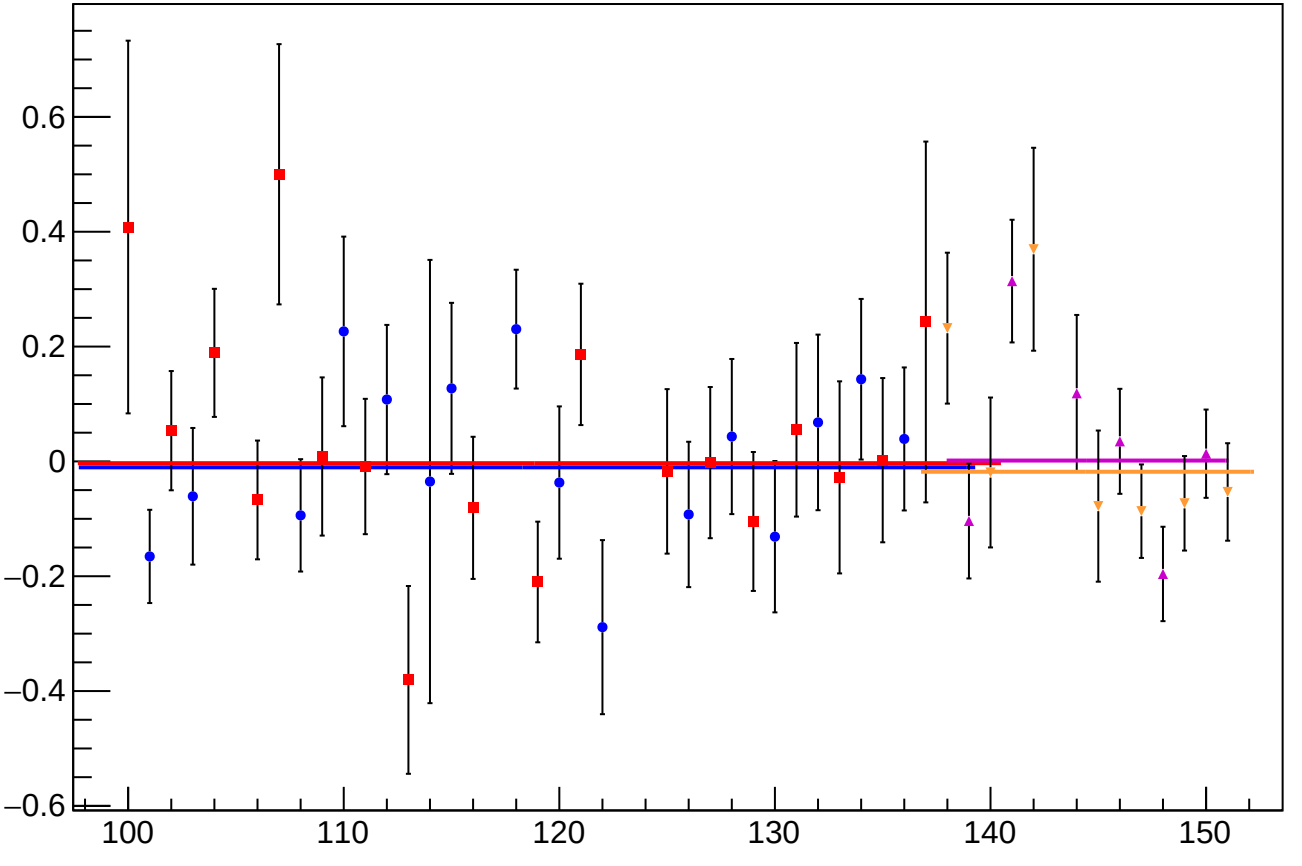
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.623+/-0.013 χ^2/NDF:1170668.5/21

Out: 62.018+/-0.013 χ^2/NDF:1411936.9/24

All: 61.820+/-0.009 χ^2/NDF: 2583062.5/46

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+/-0.039 χ^2/NDF:10.0/6

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

Left In: 0.001+/-0.038 χ^2/NDF:16.3/5

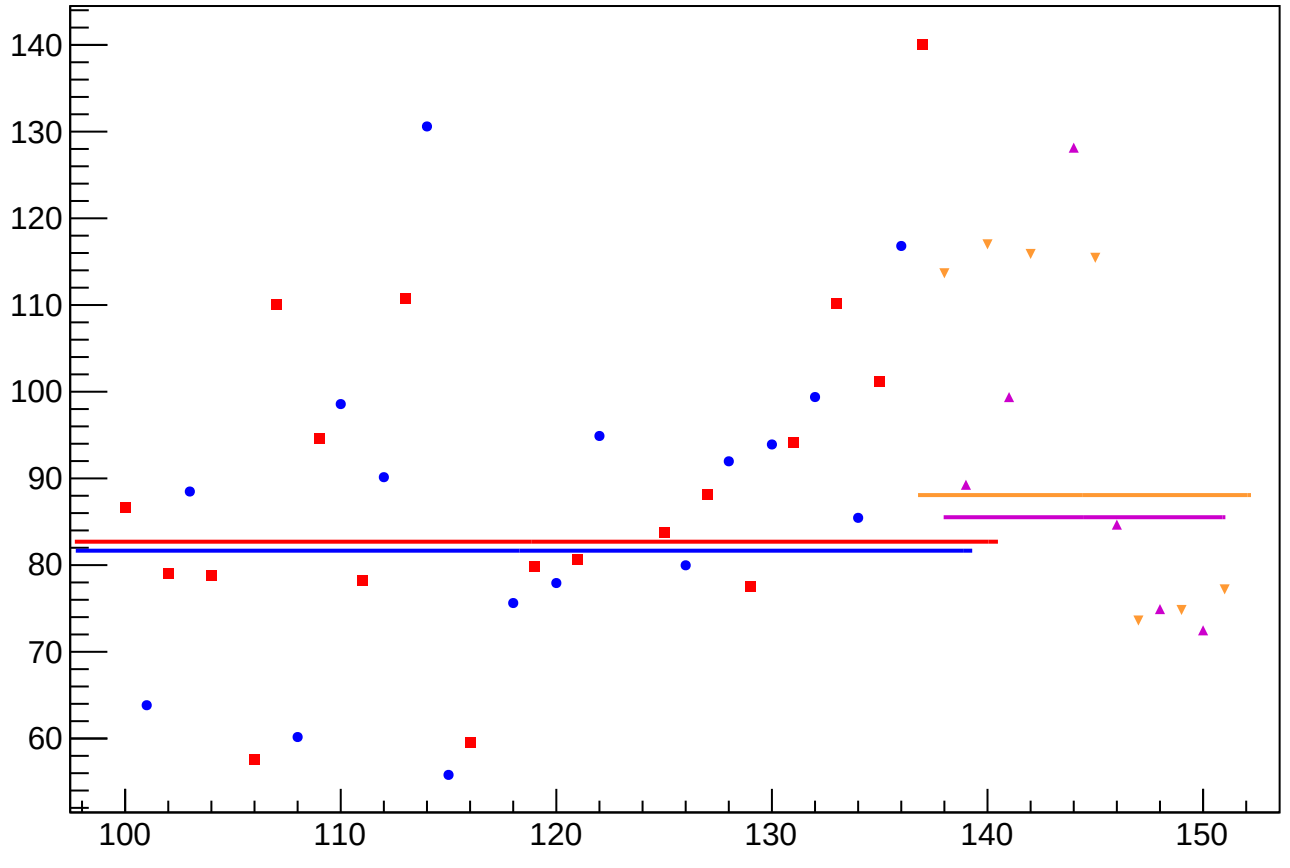
Left: -0.008+/-0.028 χ^2/NDF: 26.4/12

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

In: -0.006+/-0.024 χ^2/NDF:36.5/21

Out: -0.009+/-0.025 χ^2/NDF:33.7/24

All: -0.007+/-0.017 χ^2/NDF: 70.3/46



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

Left Out: 88.077+/-0.028 χ^2/NDF:457759.7/6

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

Left In: 85.524+/-0.027 χ^2/NDF:322575.9/5

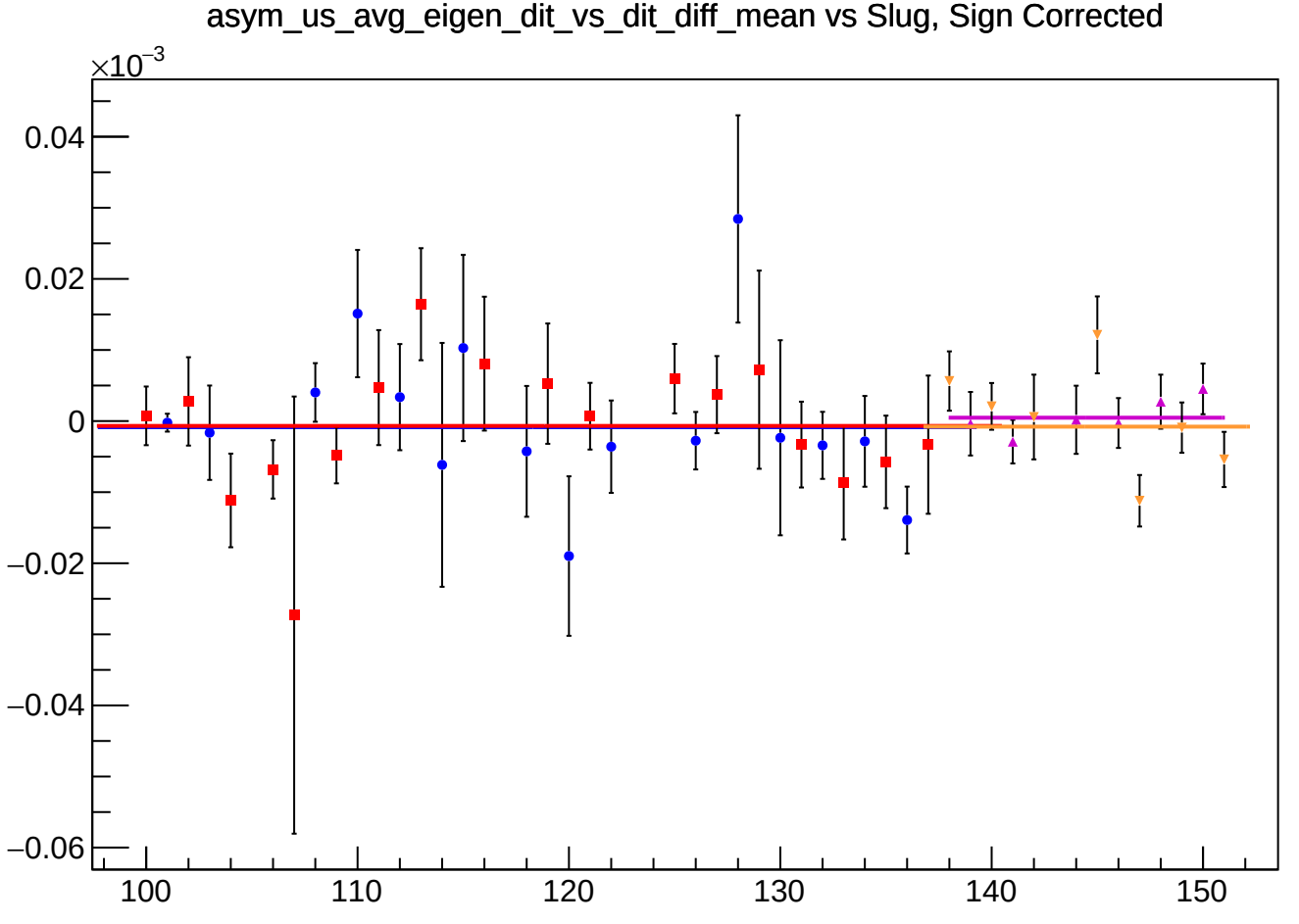
Left: 86.768+/-0.019 χ^2/NDF: 784639.6/12

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

In: 83.222+/-0.017 χ^2/NDF:896468.9/21

Out: 84.816+/-0.017 χ^2/NDF:953391.8/24

All: 84.009+/-0.012 χ^2/NDF: 1854069.0/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/6

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

Left In: 0.000+/-0.000 χ^2/NDF:2.9/5

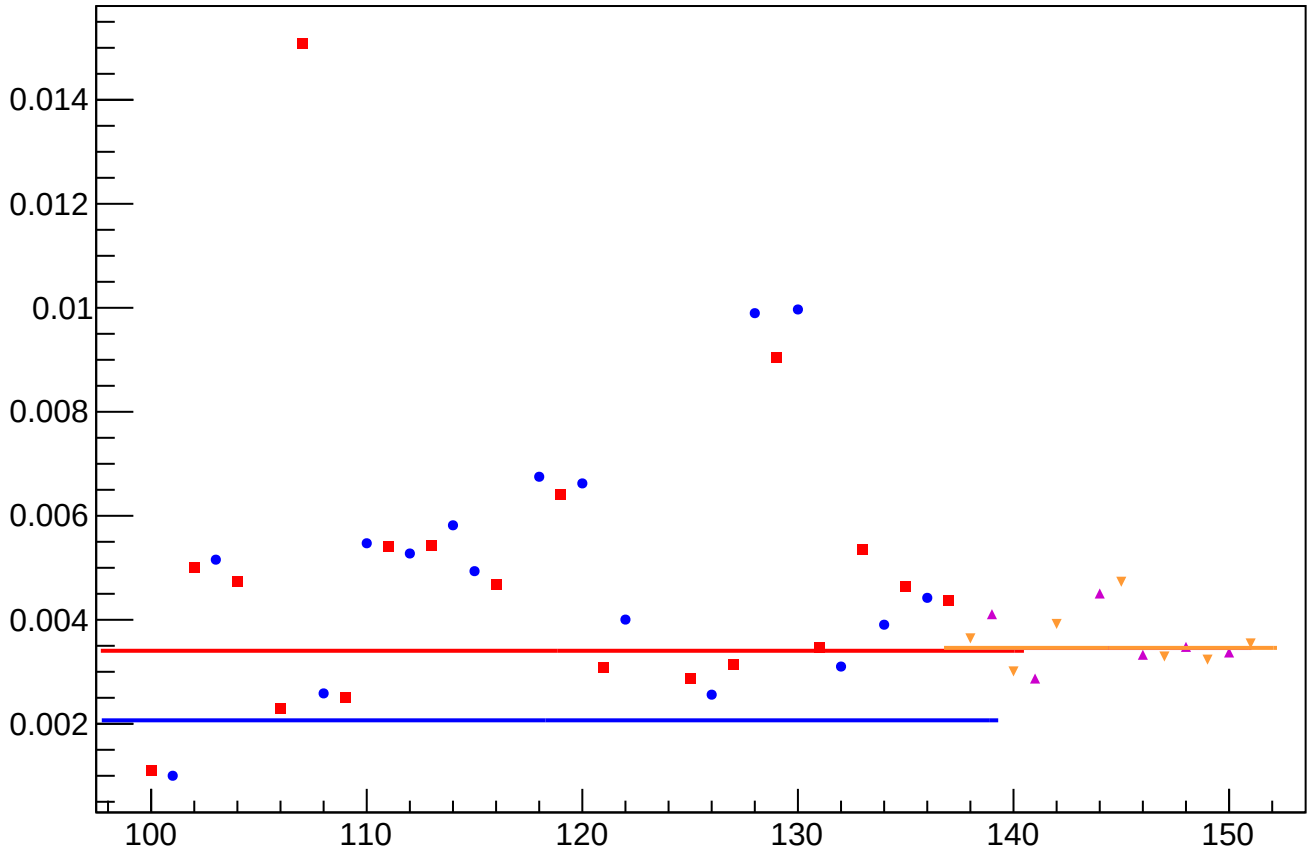
Left: -0.000+/-0.000 χ^2/NDF: 21.8/12

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

In: -0.000+/-0.000 χ^2/NDF:24.8/21

Out: -0.000+/-0.000 χ^2/NDF:36.9/24

All: -0.000+/-0.000 χ^2/NDF: 61.7/46



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

Left Out: 0.003+/-0.000 χ^2/NDF:177400.5/6

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

Left In: 0.003+/-0.000 χ^2/NDF:215569.2/5

Left: 0.003+/-0.000 χ^2/NDF: 392973.1/12

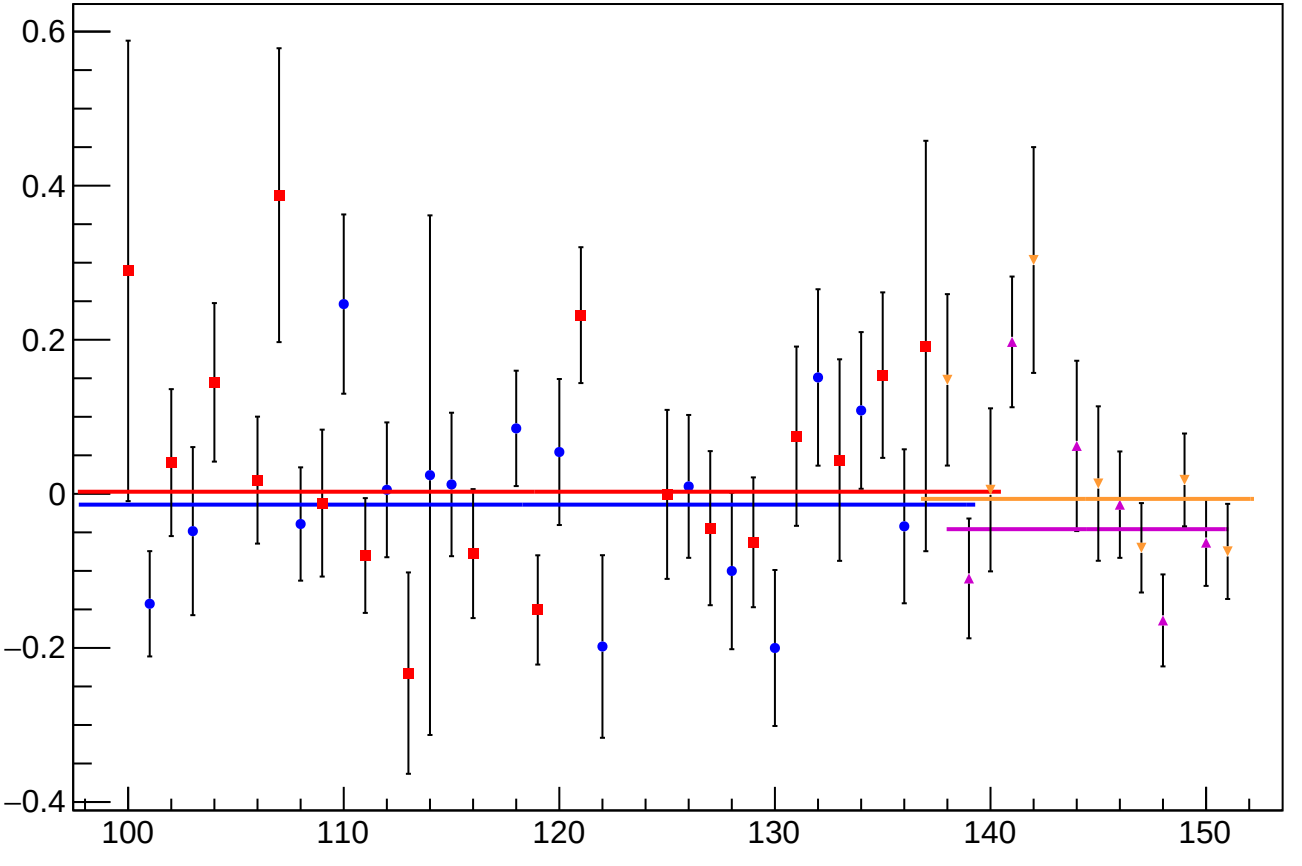
Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

In: 0.002+/-0.000 χ^2/NDF:7184753.9/21

Out: 0.003+/-0.000 χ^2/NDF:2670129.3/24

All: 0.003+/-0.000 χ^2/NDF: 10846163.8/46

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

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

Left In: -0.046+/-0.029 χ^2/NDF:14.1/5

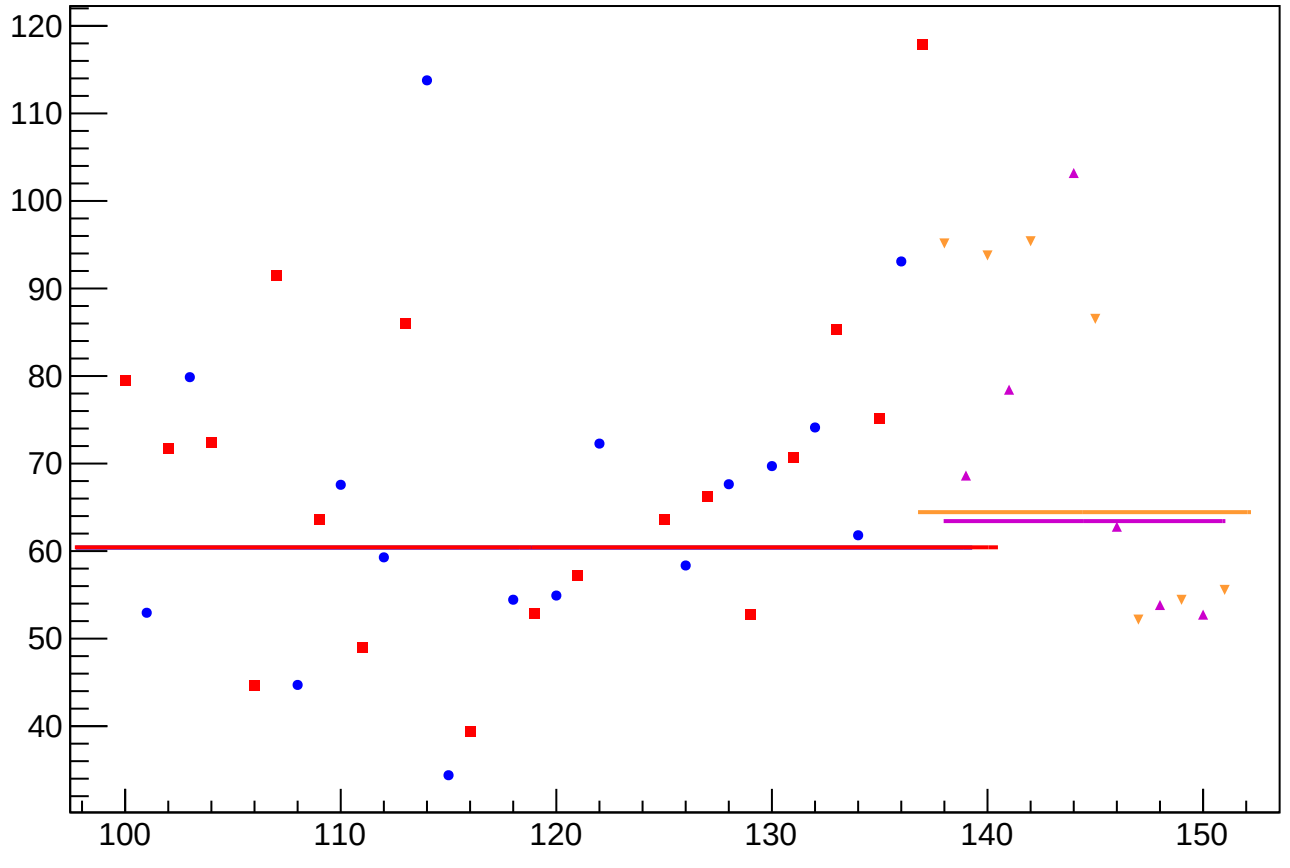
Left: -0.027+/-0.021 χ^2/NDF: 24.0/12

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

In: -0.027+/-0.018 χ^2/NDF:36.2/21

Out: -0.001+/-0.019 χ^2/NDF:36.9/24

All: -0.014+/-0.013 χ^2/NDF: 74.0/46



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

Left Out: 64.449+/-0.021 χ^2/NDF:678369.2/6

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

Left In: 63.426+/-0.020 χ^2/NDF:454494.8/5

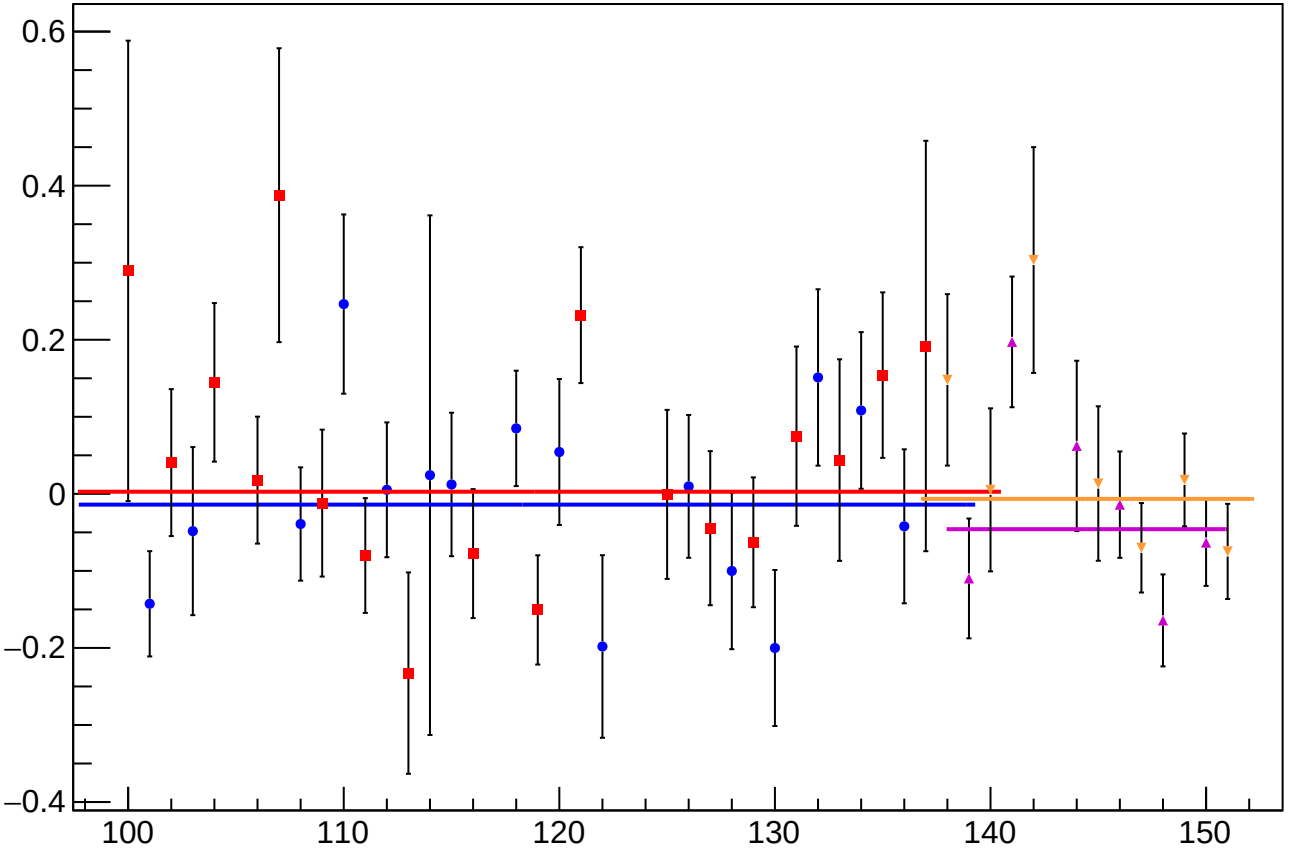
Left: 63.928+/-0.015 χ^2/NDF: 1134090.7/12

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

In: 61.623+/-0.013 χ^2/NDF:1170692.0/21

Out: 62.017+/-0.013 χ^2/NDF:1411981.1/24

All: 61.819+/-0.009 χ^2/NDF: 2583129.7/46



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

Left Out: -0.007+/-0.029 χ^2/NDF:9.0/6

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

Left In: -0.046+/-0.029 χ^2/NDF:14.1/5

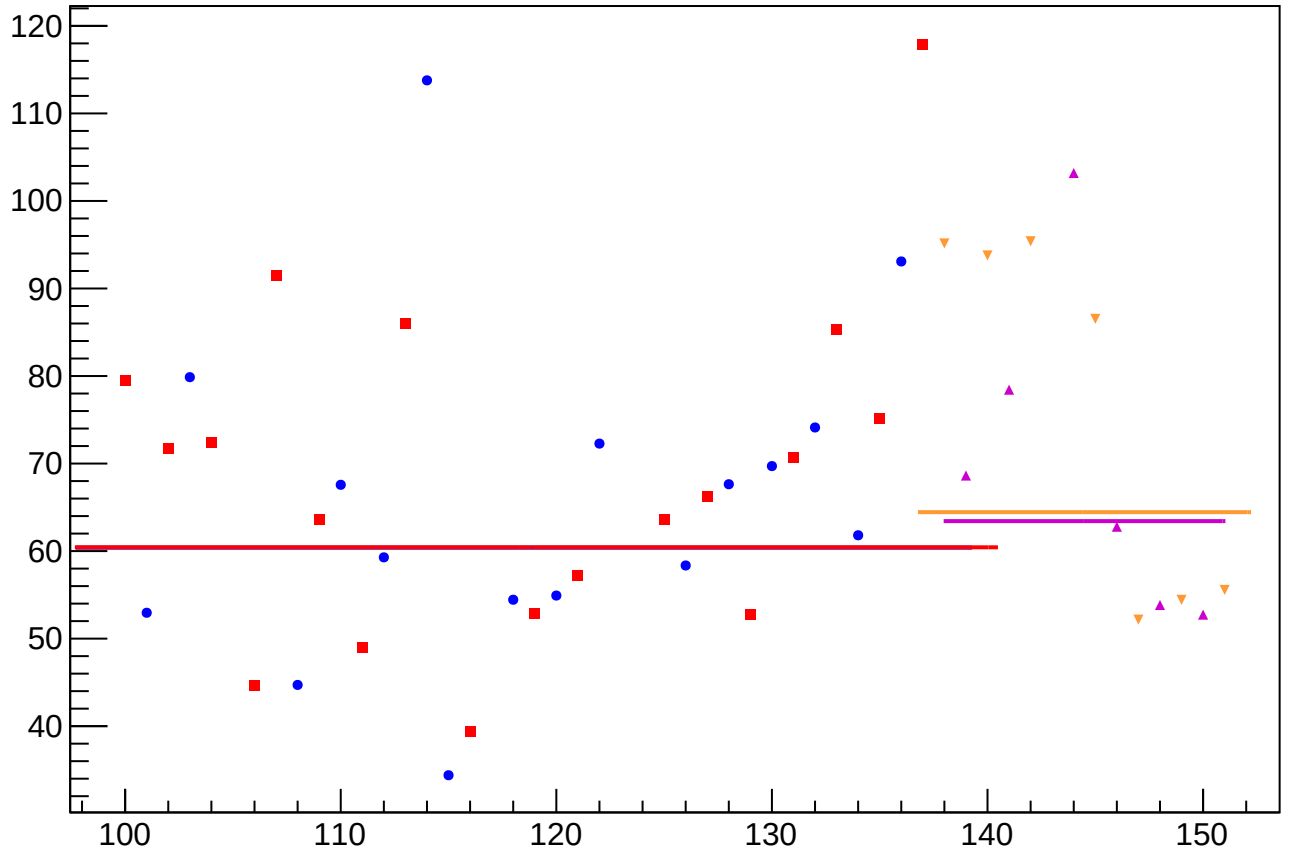
Left: -0.027+/-0.021 χ^2/NDF: 24.0/12

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

In: -0.027+/-0.018 χ^2/NDF:36.2/21

Out: -0.001+/-0.019 χ^2/NDF:36.9/24

All: -0.014+/-0.013 χ^2/NDF: 74.0/46



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

Left Out: 64.449+/-0.021 χ^2/NDF:678369.2/6

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

Left In: 63.426+/-0.020 χ^2/NDF:454494.8/5

Left: 63.928+/-0.015 χ^2/NDF: 1134090.7/12

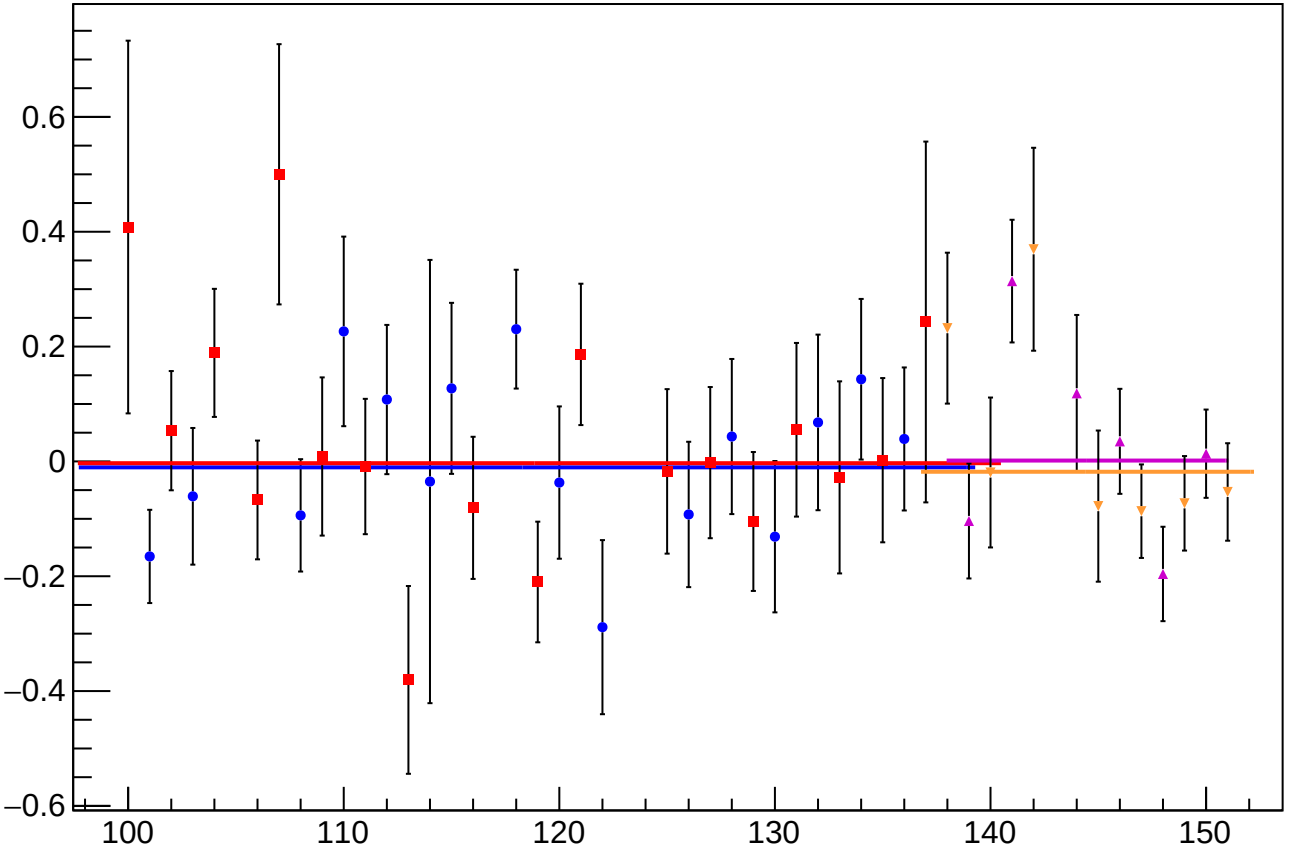
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.623+/-0.013 χ^2/NDF:1170692.0/21

Out: 62.017+/-0.013 χ^2/NDF:1411981.1/24

All: 61.819+/-0.009 χ^2/NDF: 2583129.7/46

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+/-0.039 χ^2/NDF:10.0/6

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

Left In: 0.001+/-0.038 χ^2/NDF:16.3/5

Left: -0.008+/-0.028 χ^2/NDF: 26.4/12

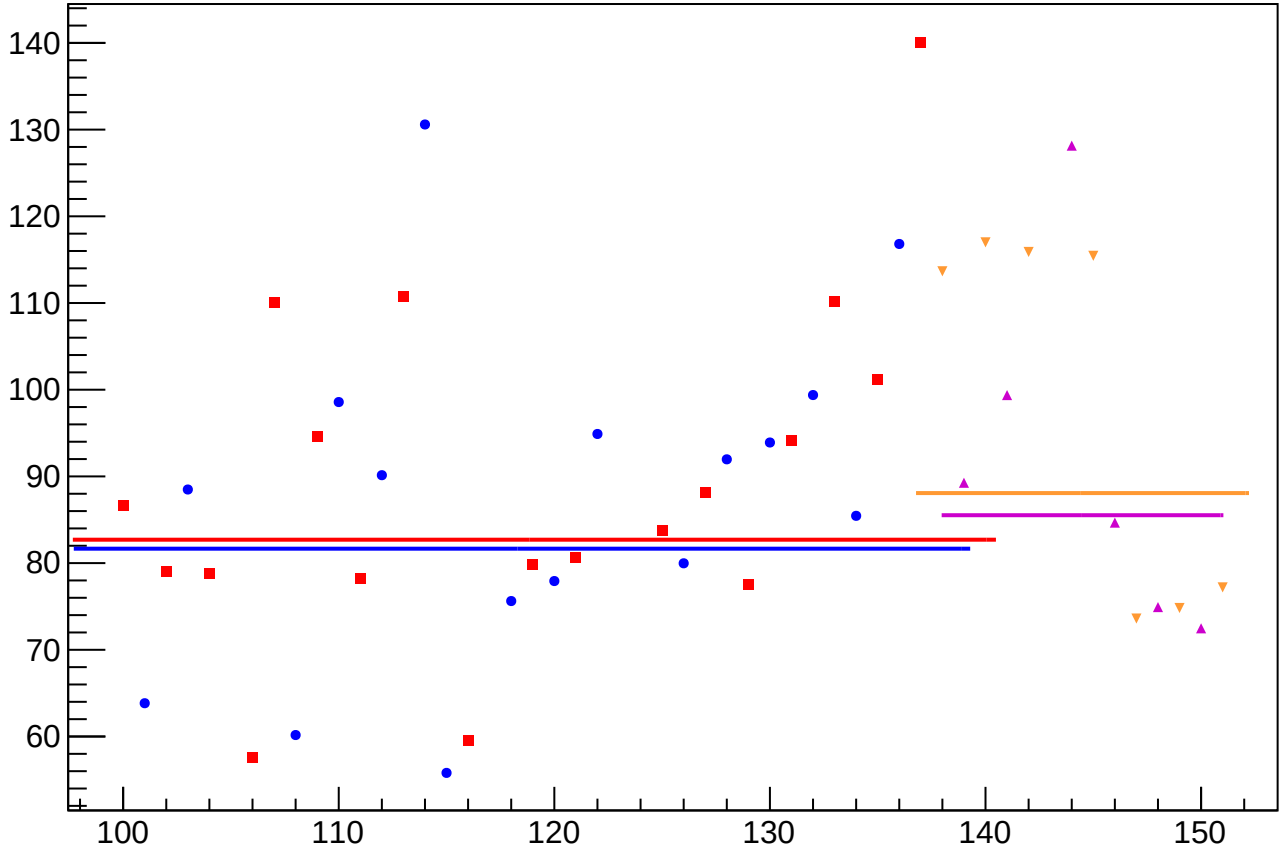
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: -0.006+/-0.024 χ^2/NDF:36.5/21

Out: -0.009+/-0.025 χ^2/NDF:33.7/24

All: -0.007+/-0.017 χ^2/NDF: 70.3/46

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 88.078+/-0.028 χ^2/NDF:457755.9/6

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

Left In: 85.524+/-0.027 χ^2/NDF:322575.0/5

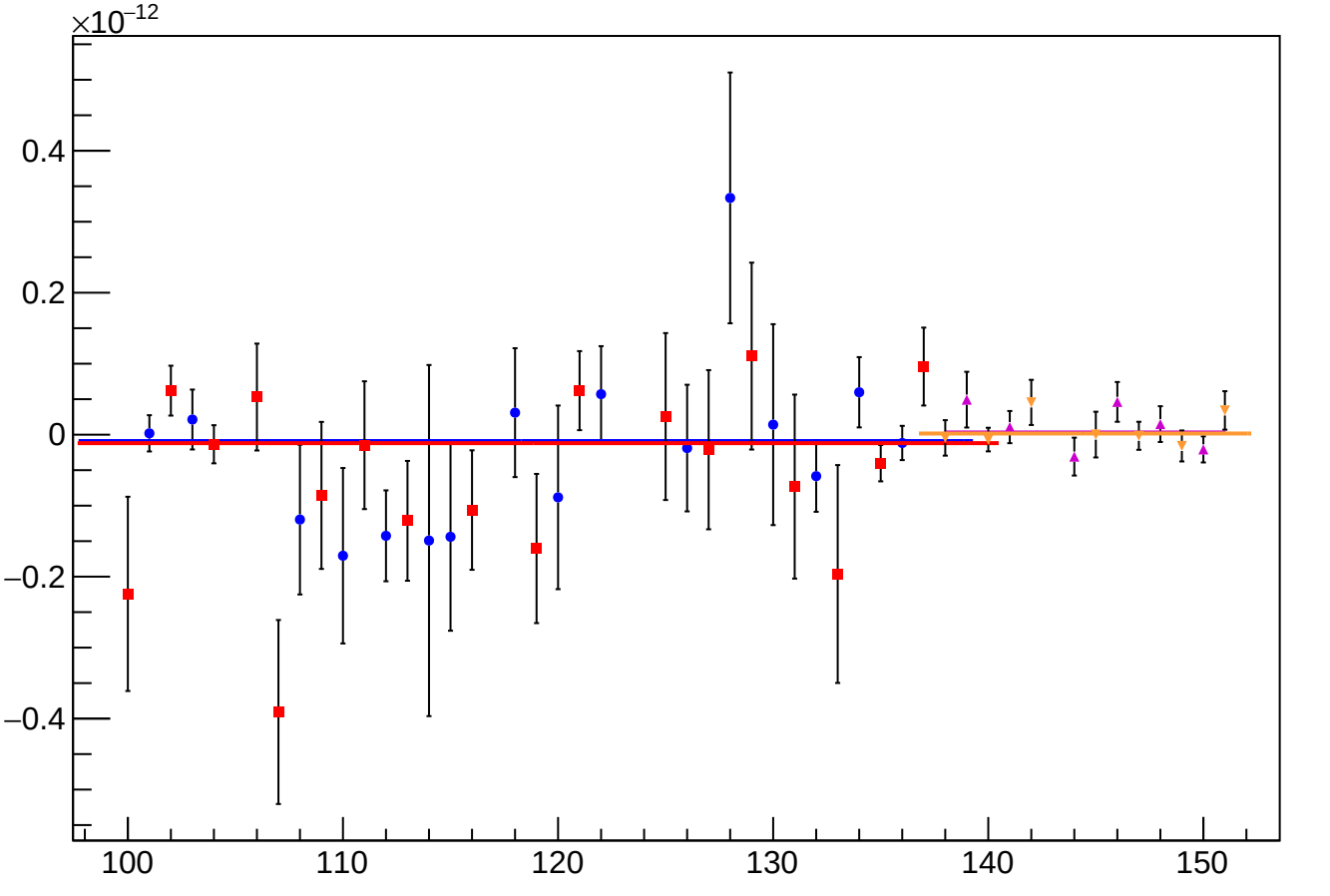
Left: 86.768+/-0.019 χ^2/NDF: 784634.8/12

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

In: 83.222+/-0.017 χ^2/NDF:896462.2/21

Out: 84.815+/-0.017 χ^2/NDF:953395.2/24

All: 84.008+/-0.012 χ^2/NDF: 1854064.8/46



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/6

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

Left In: 0.000+/-0.000 χ^2/NDF:7.4/5

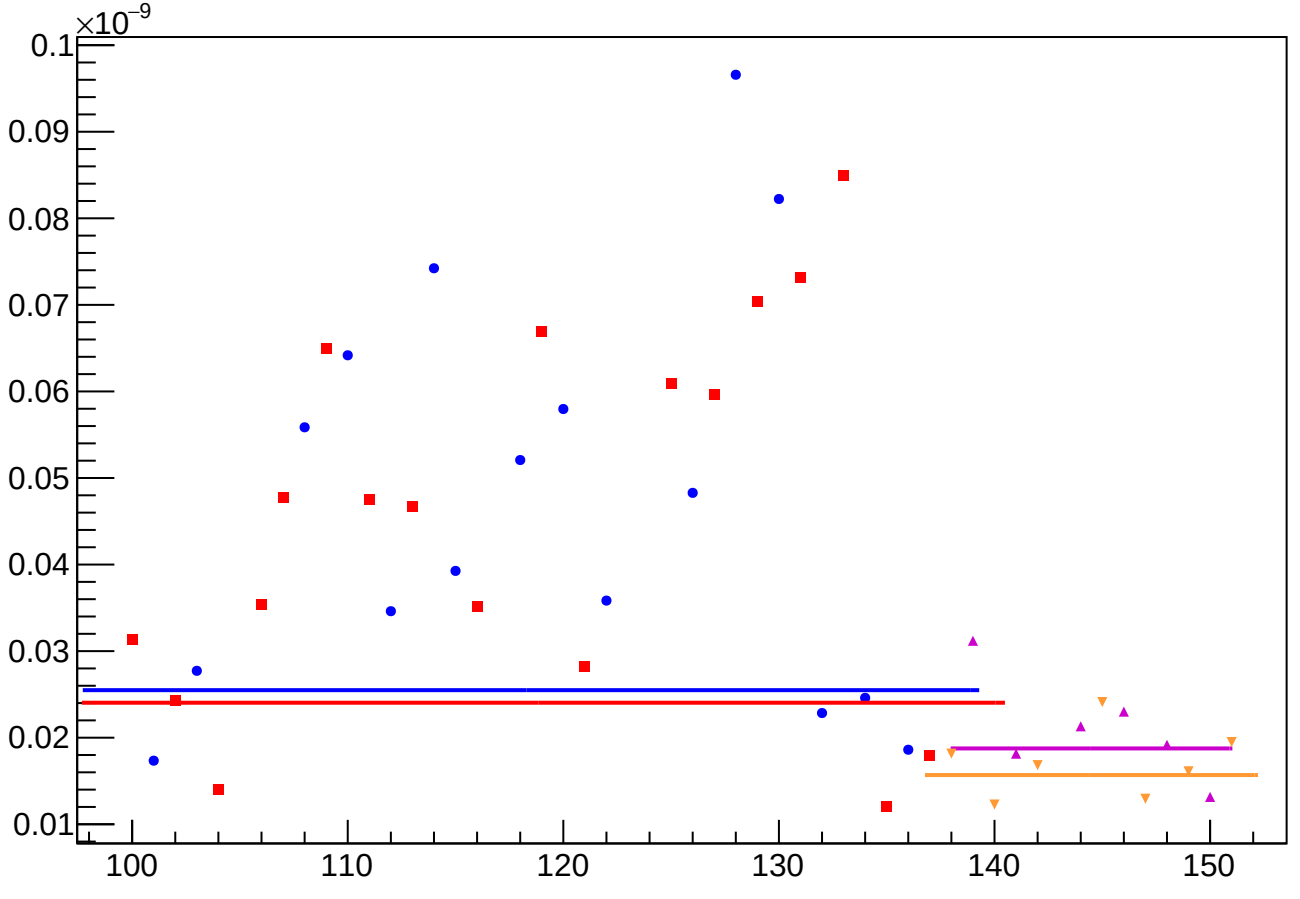
Left: 0.000+/-0.000 χ^2/NDF: 11.7/12

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

In: -0.000+/-0.000 χ^2/NDF:25.4/21

Out: -0.000+/-0.000 χ^2/NDF:36.1/24

All: -0.000+/-0.000 χ^2/NDF: 61.5/46



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

Left Out: 0.000+/-0.000 χ^2/NDF:321724.2/6

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

Left In: 0.000+/-0.000 χ^2/NDF:452522.4/5

Left: 0.000+/-0.000 χ^2/NDF: 880623.8/12

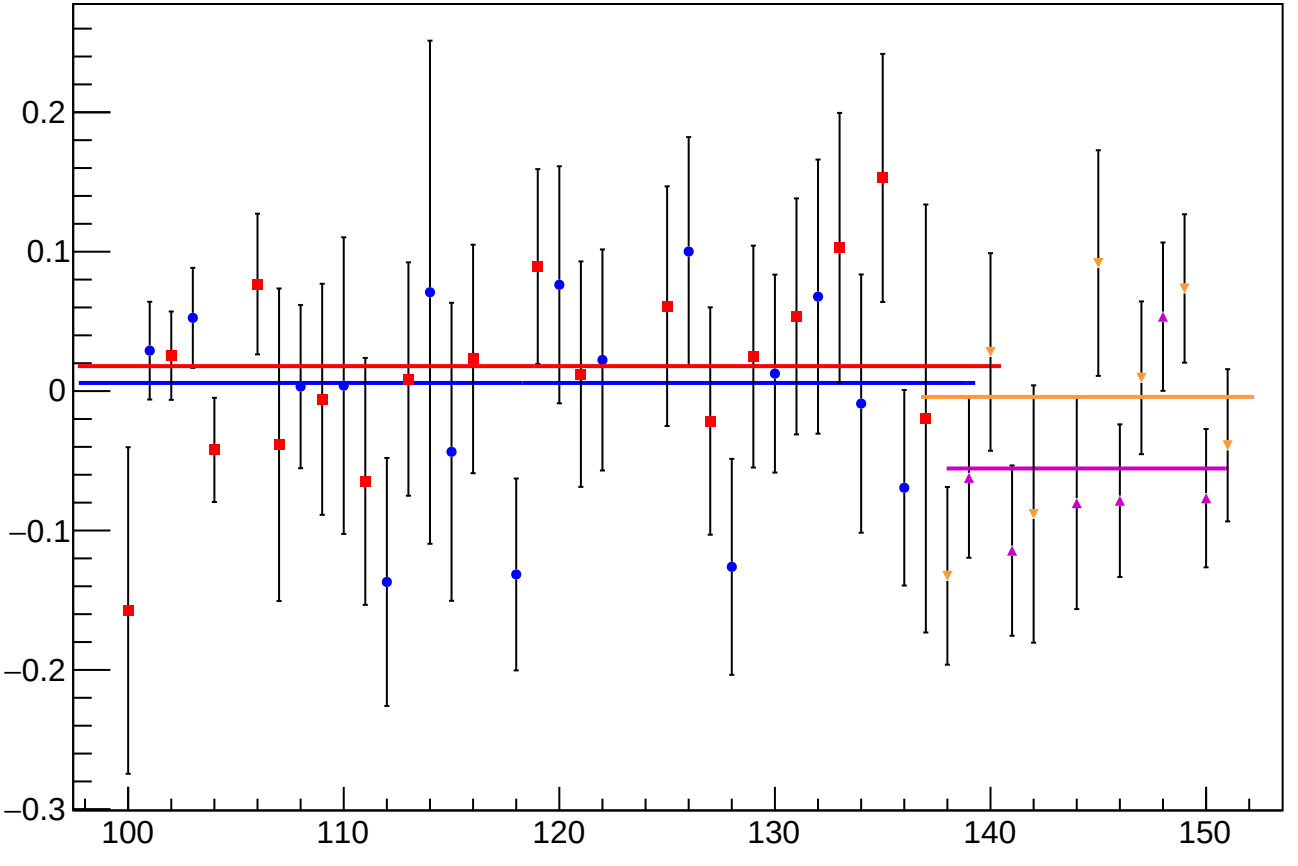
Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

In: 0.000+/-0.000 χ^2/NDF:2779080.7/21

Out: 0.000+/-0.000 χ^2/NDF:3953365.4/24

All: 0.000+/-0.000 χ^2/NDF: 6892357.8/46

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.004+/-0.024 χ^2/NDF:9.1/6

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

Left In: -0.056+/-0.023 χ^2/NDF:5.6/5

Left: -0.031+/-0.017 χ^2/NDF: 17.1/12

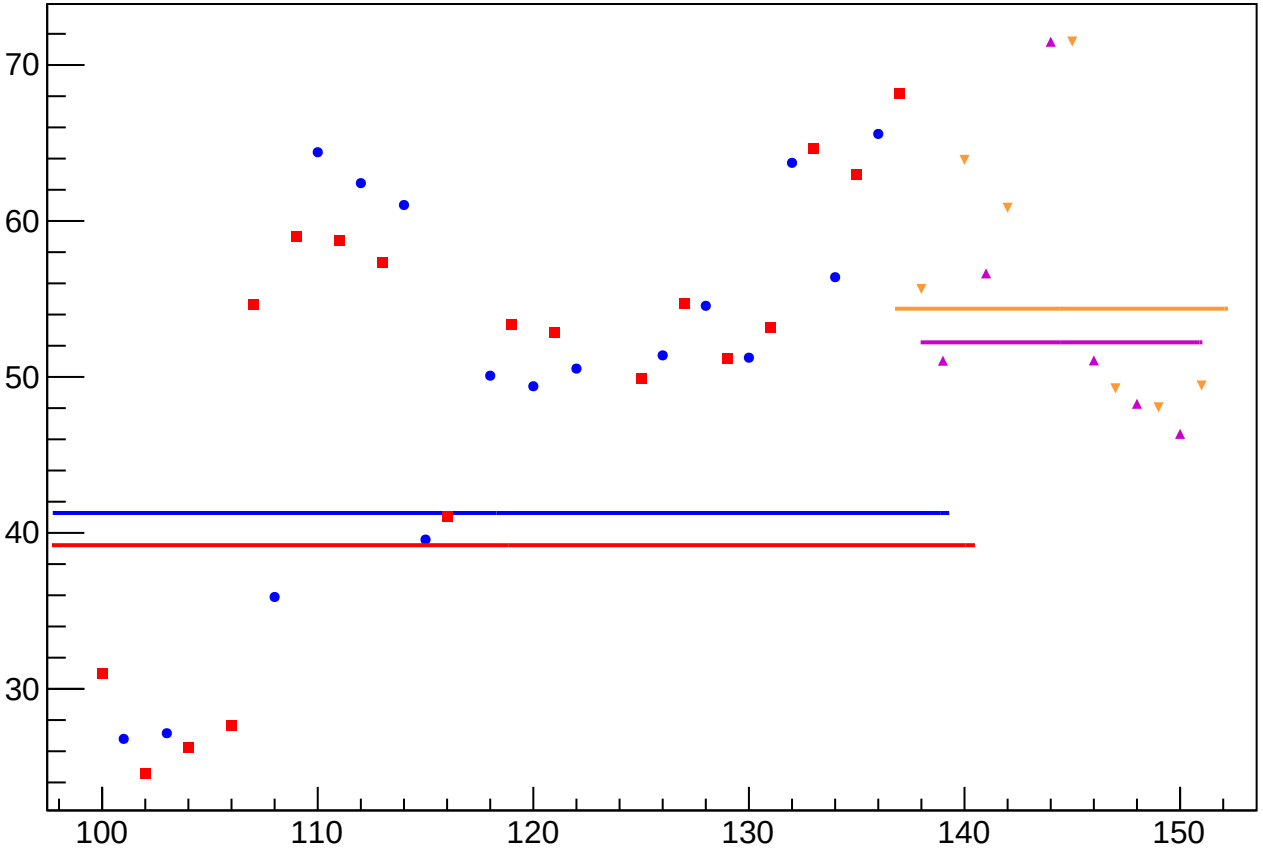
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.015+/-0.013 χ^2/NDF:25.8/21

Out: 0.011+/-0.013 χ^2/NDF:22.0/24

All: -0.001+/-0.009 χ^2/NDF: 49.7/46

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 54.376+/-0.017 χ^2/NDF:198406.1/6

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

Left In: 52.218+/-0.016 χ^2/NDF:179654.0/5

Left: 53.266+/-0.012 χ^2/NDF: 386378.5/12

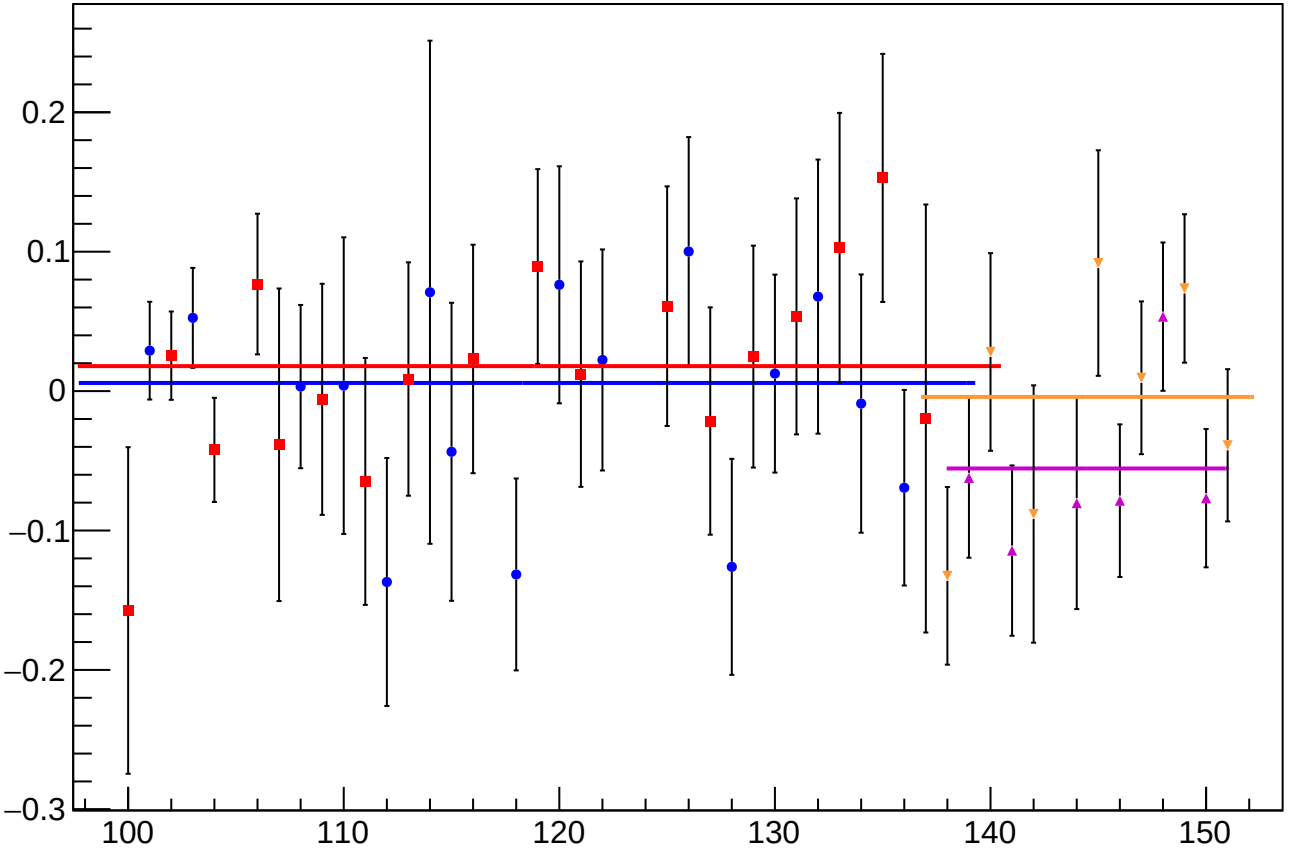
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 44.935+/-0.010 χ^2/NDF:1978006.3/21

Out: 43.772+/-0.009 χ^2/NDF:2576955.8/24

All: 44.339+/-0.007 χ^2/NDF: 4562580.6/46

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: -0.004+/-0.024 χ^2/NDF:9.1/6

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

Left In: -0.056+/-0.023 χ^2/NDF:5.6/5

Left: -0.031+/-0.017 χ^2/NDF: 17.1/12

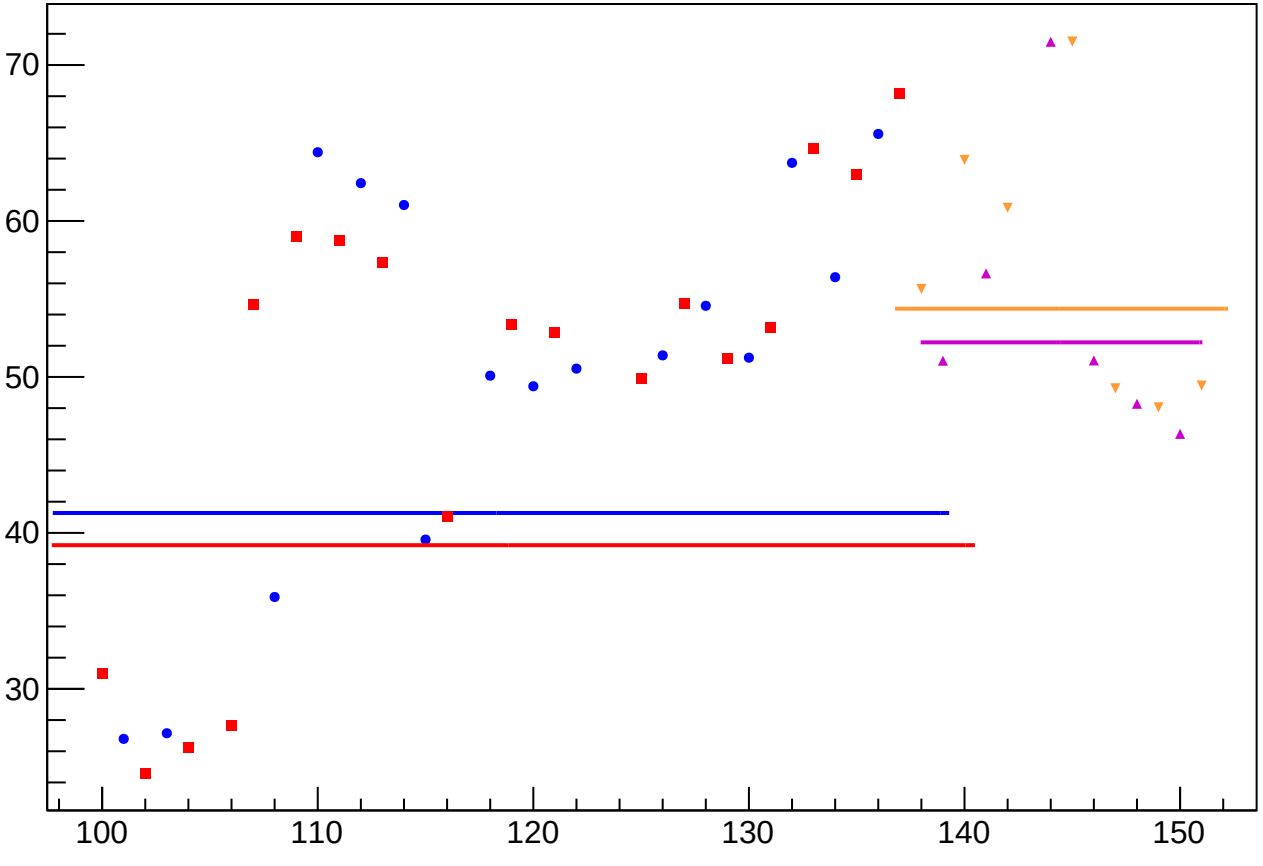
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.015+/-0.013 χ^2/NDF:25.8/21

Out: 0.011+/-0.013 χ^2/NDF:22.0/24

All: -0.001+/-0.009 χ^2/NDF: 49.7/46

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 54.376+/-0.017 χ^2/NDF:198406.1/6

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

Left In: 52.218+/-0.016 χ^2/NDF:179654.0/5

Left: 53.266+/-0.012 χ^2/NDF: 386378.5/12

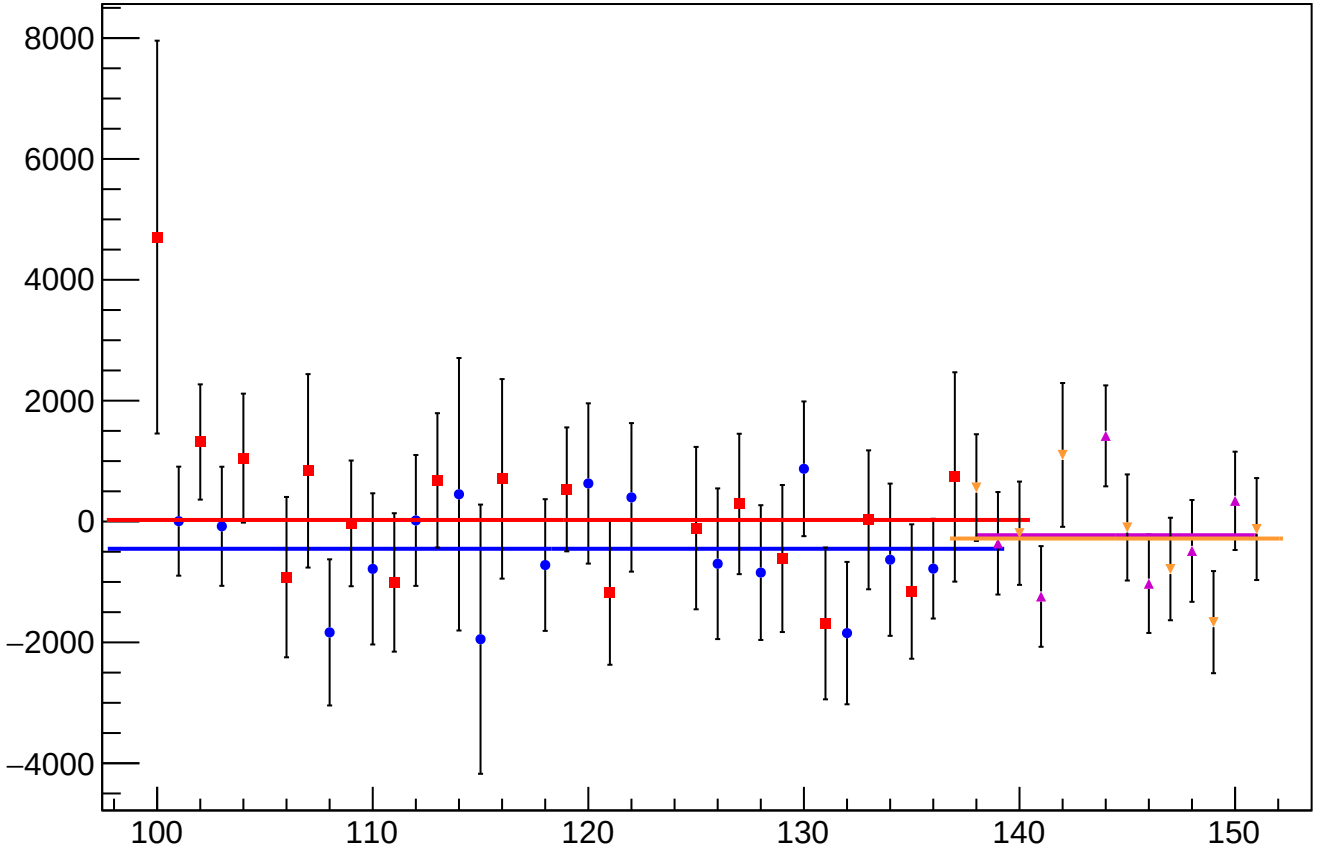
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 44.935+/-0.010 χ^2/NDF:1978006.3/21

Out: 43.772+/-0.009 χ^2/NDF:2576955.8/24

All: 44.339+/-0.007 χ^2/NDF: 4562580.6/46

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -281.357+/-336.134 χ^2/NDF:5.4/6

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

Left In: -226.704+/-339.231 χ^2/NDF:6.9/5

Left: -254.281+/-238.770 χ^2/NDF: 12.3/12

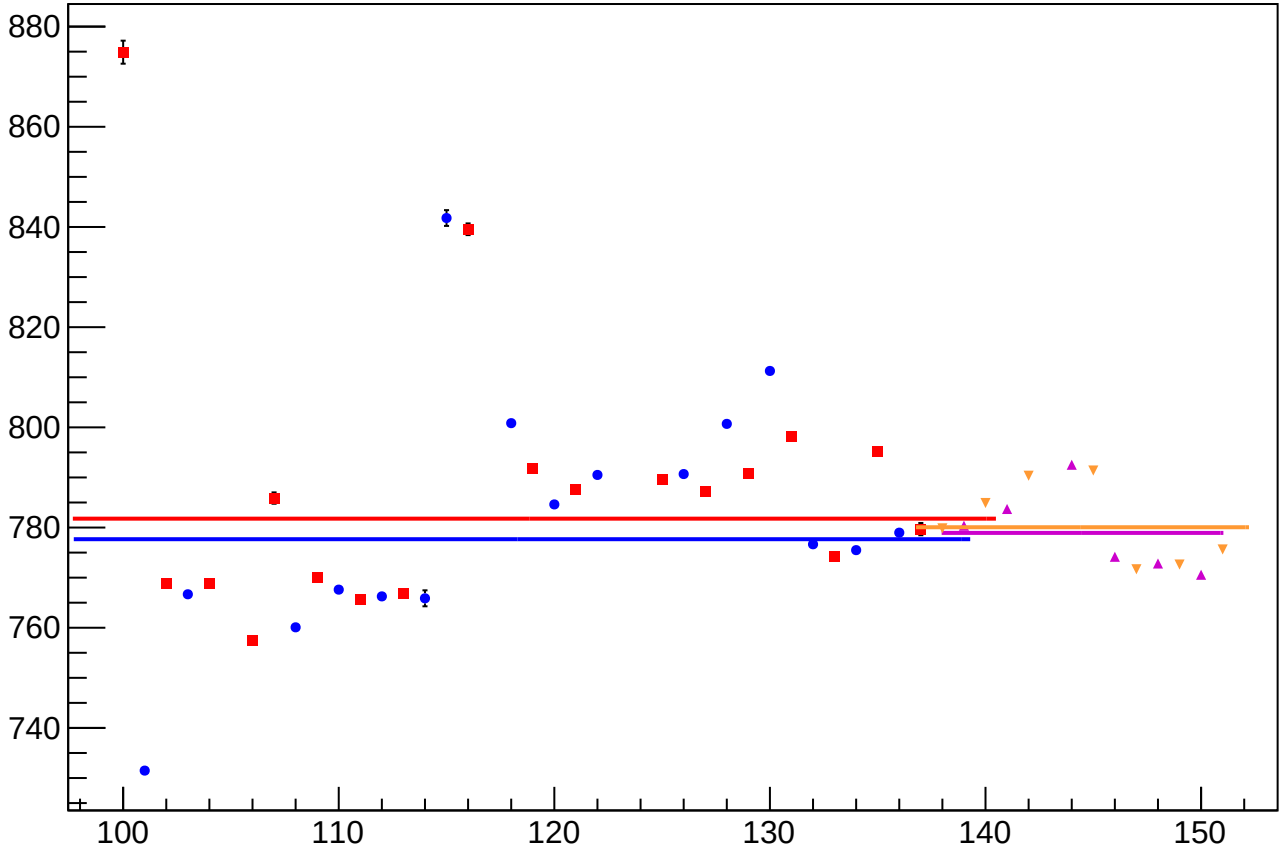
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -356.664+/-219.969 χ^2/NDF:14.1/21

Out: -104.099+/-218.737 χ^2/NDF:17.6/24

All: -229.672+/-155.104 χ^2/NDF: 32.3/46

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 780.061+/-0.238 χ^2/NDF:952.3/6

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

Left In: 778.932+/-0.240 χ^2/NDF:986.6/5

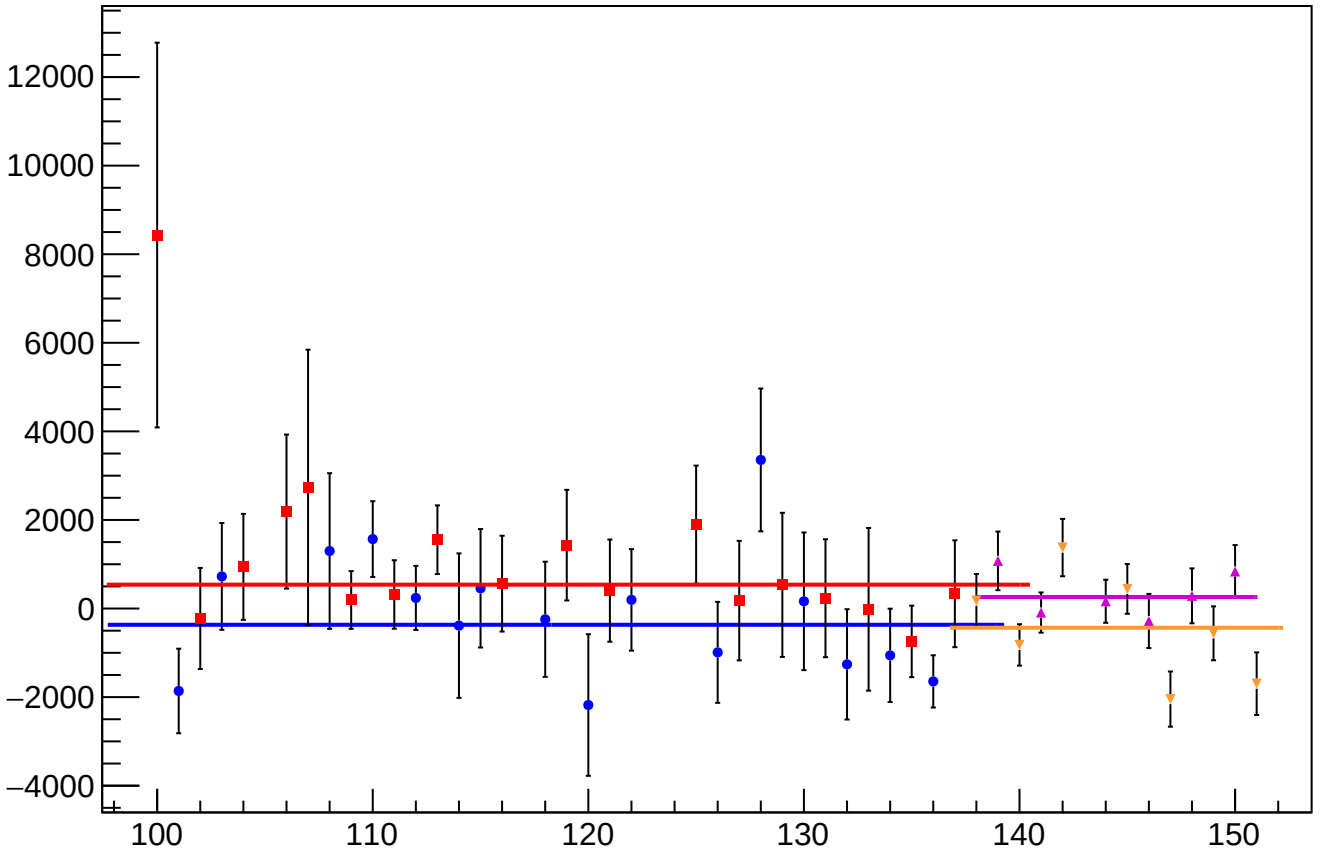
Left: 779.502+/-0.169 χ^2/NDF: 1950.0/12

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

In: 778.203+/-0.156 χ^2/NDF:13057.9/21

Out: 781.050+/-0.155 χ^2/NDF:8608.7/24

All: 779.635+/-0.110 χ^2/NDF: 21835.0/46



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

Left Out: -433.578+/-222.554 χ^2/NDF:21.9/6

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

Left In: 260.554+/-226.648 χ^2/NDF:3.9/5

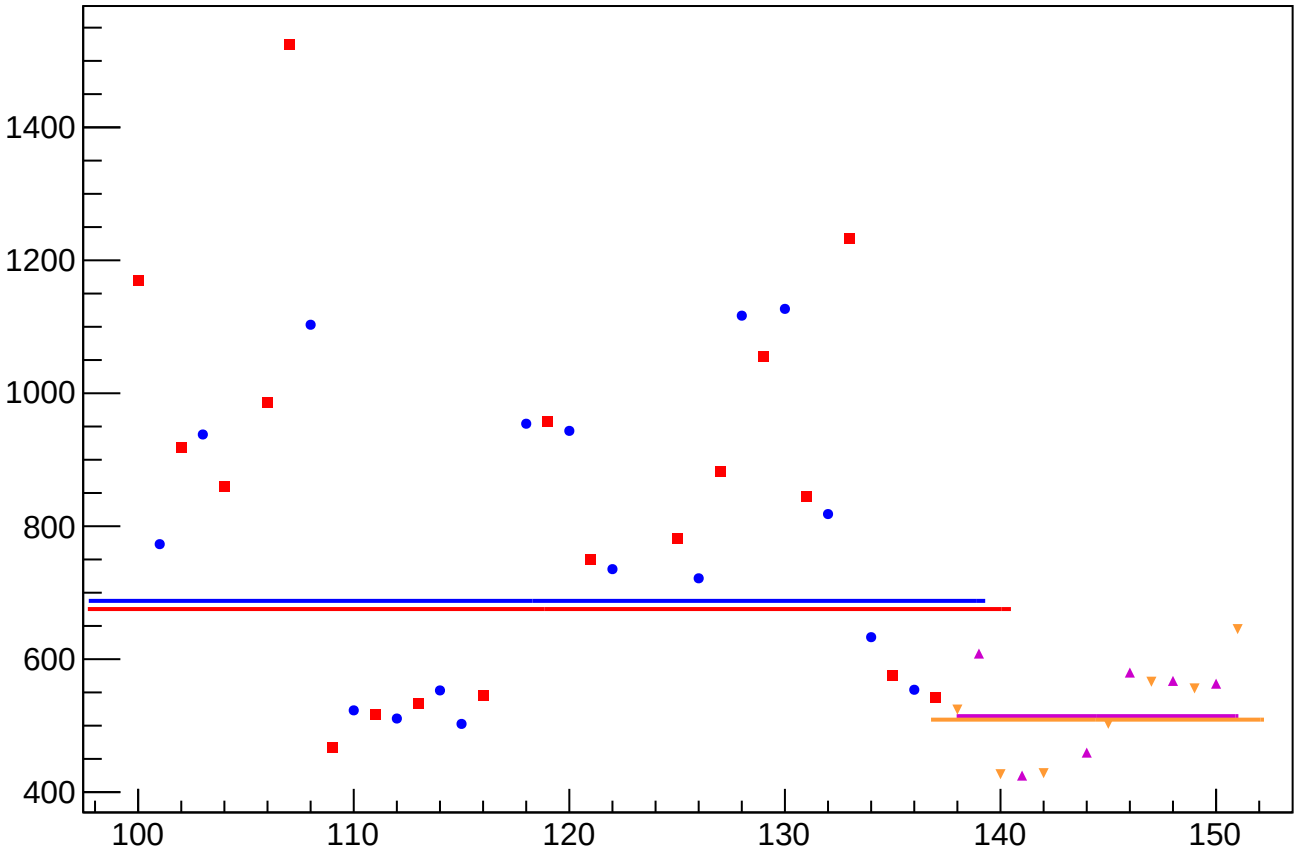
Left: -92.838+/-158.797 χ^2/NDF: 30.6/12

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

In: -2.615+/-172.707 χ^2/NDF:30.4/21

Out: -27.625+/-169.865 χ^2/NDF:41.6/24

All: -15.328+/-121.105 χ^2/NDF: 72.0/46



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

Left Out: 509.049+/-0.157 χ^2/NDF:197134.2/6

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

Left In: 514.325+/-0.160 χ^2/NDF:194650.4/5

Left: 511.639+/-0.112 χ^2/NDF: 392336.4/12

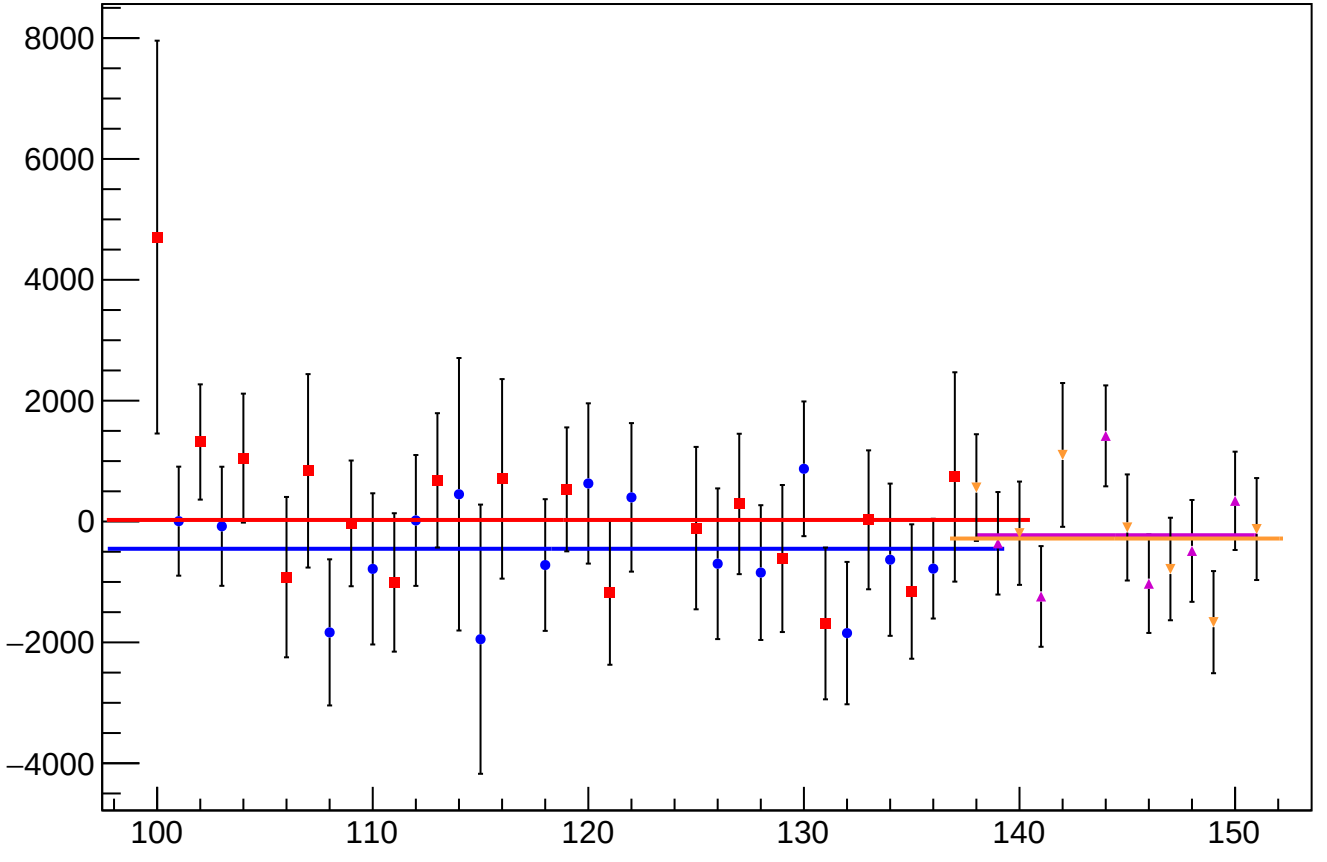
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 587.037+/-0.122 χ^2/NDF:1717418.0/21

Out: 578.496+/-0.120 χ^2/NDF:1976649.5/24

All: 582.696+/-0.086 χ^2/NDF: 3696554.0/46

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -281.357+/-336.134 χ^2/NDF:5.4/6

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

Left In: -226.704+/-339.231 χ^2/NDF:6.9/5

Left: -254.281+/-238.770 χ^2/NDF: 12.3/12

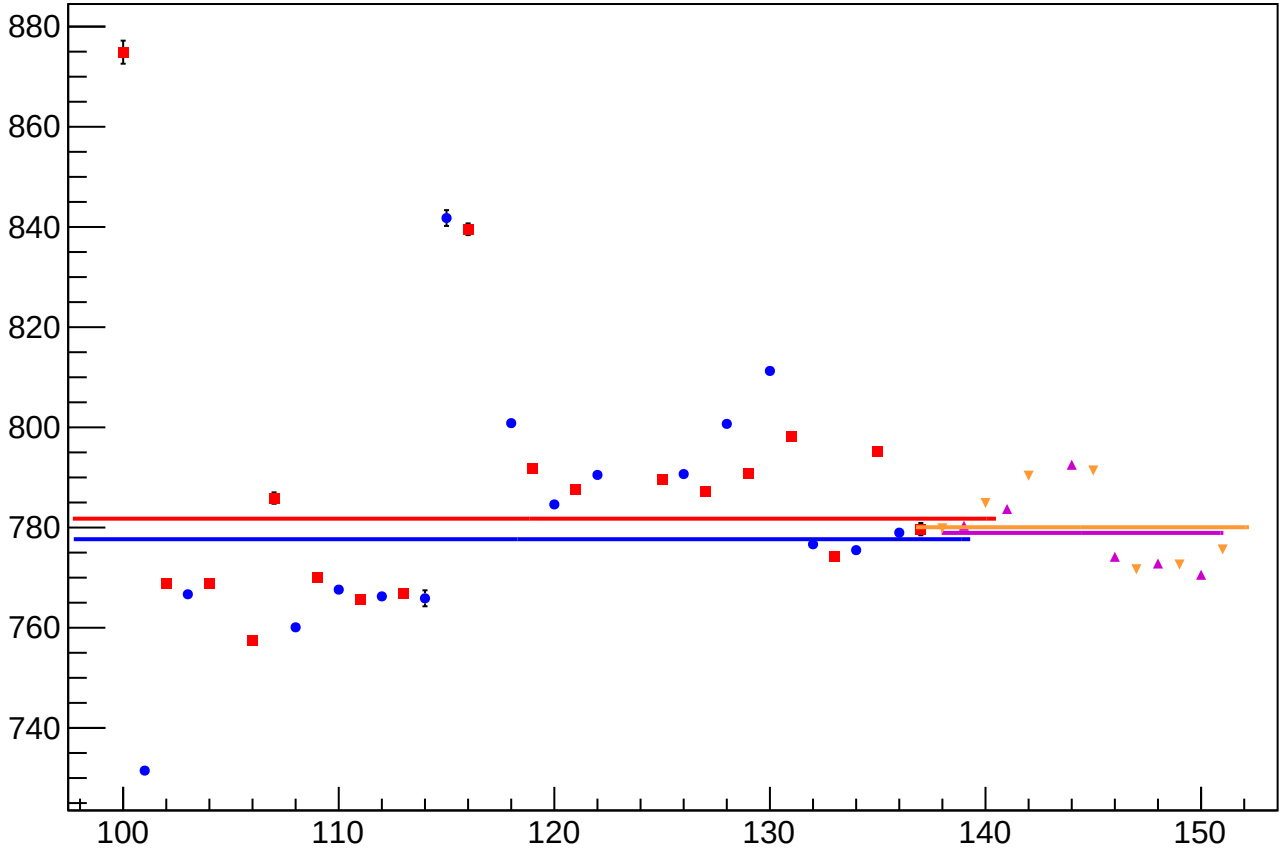
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -356.664+/-219.969 χ^2/NDF:14.1/21

Out: -104.099+/-218.737 χ^2/NDF:17.6/24

All: -229.672+/-155.104 χ^2/NDF: 32.3/46

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 780.061+/-0.238 χ^2/NDF:952.3/6

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

Left In: 778.932+/-0.240 χ^2/NDF:986.6/5

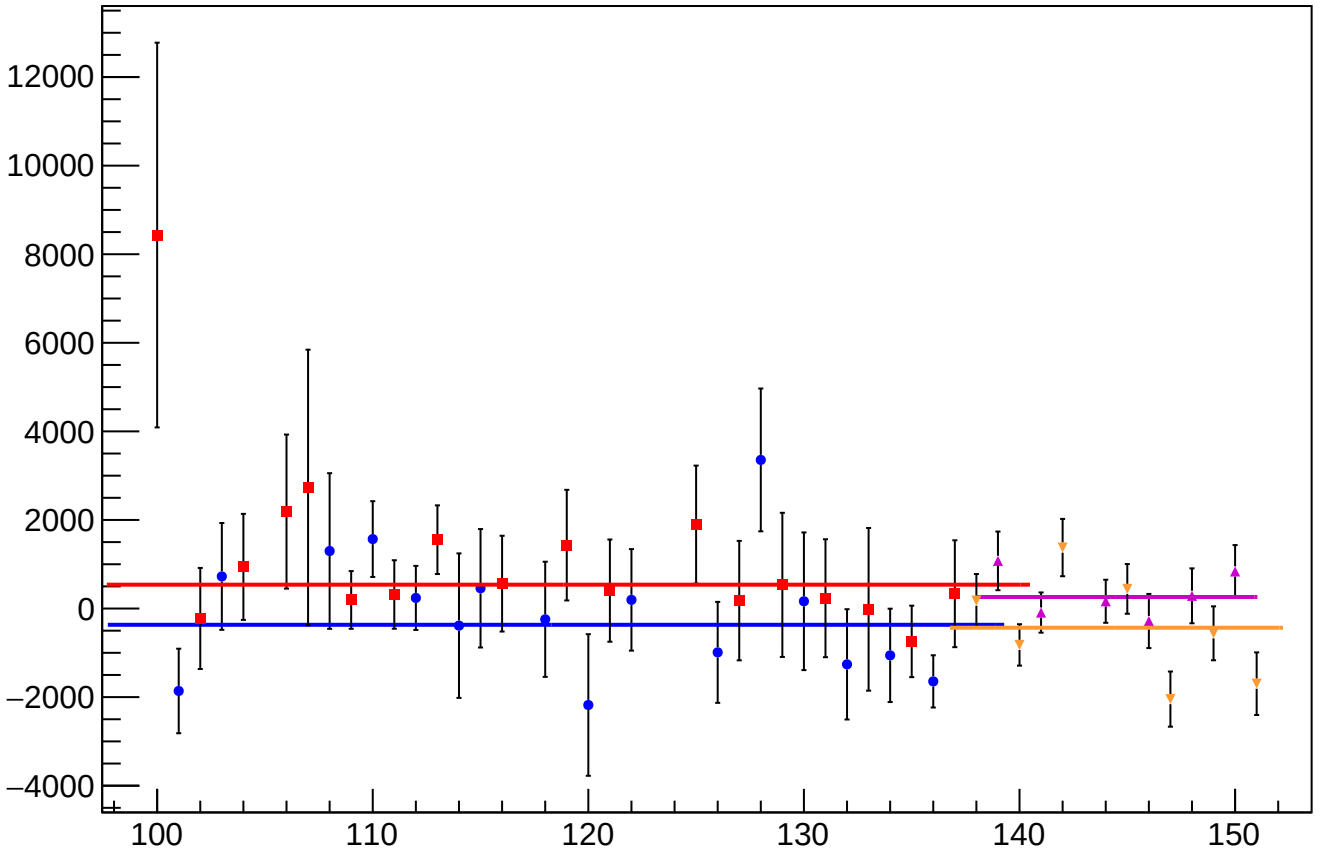
Left: 779.502+/-0.169 χ^2/NDF: 1950.0/12

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

In: 778.203+/-0.156 χ^2/NDF:13057.9/21

Out: 781.050+/-0.155 χ^2/NDF:8608.7/24

All: 779.635+/-0.110 χ^2/NDF: 21835.0/46



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

Left Out: -433.578+/-222.554 χ^2/NDF:21.9/6

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

Left In: 260.554+/-226.648 χ^2/NDF:3.9/5

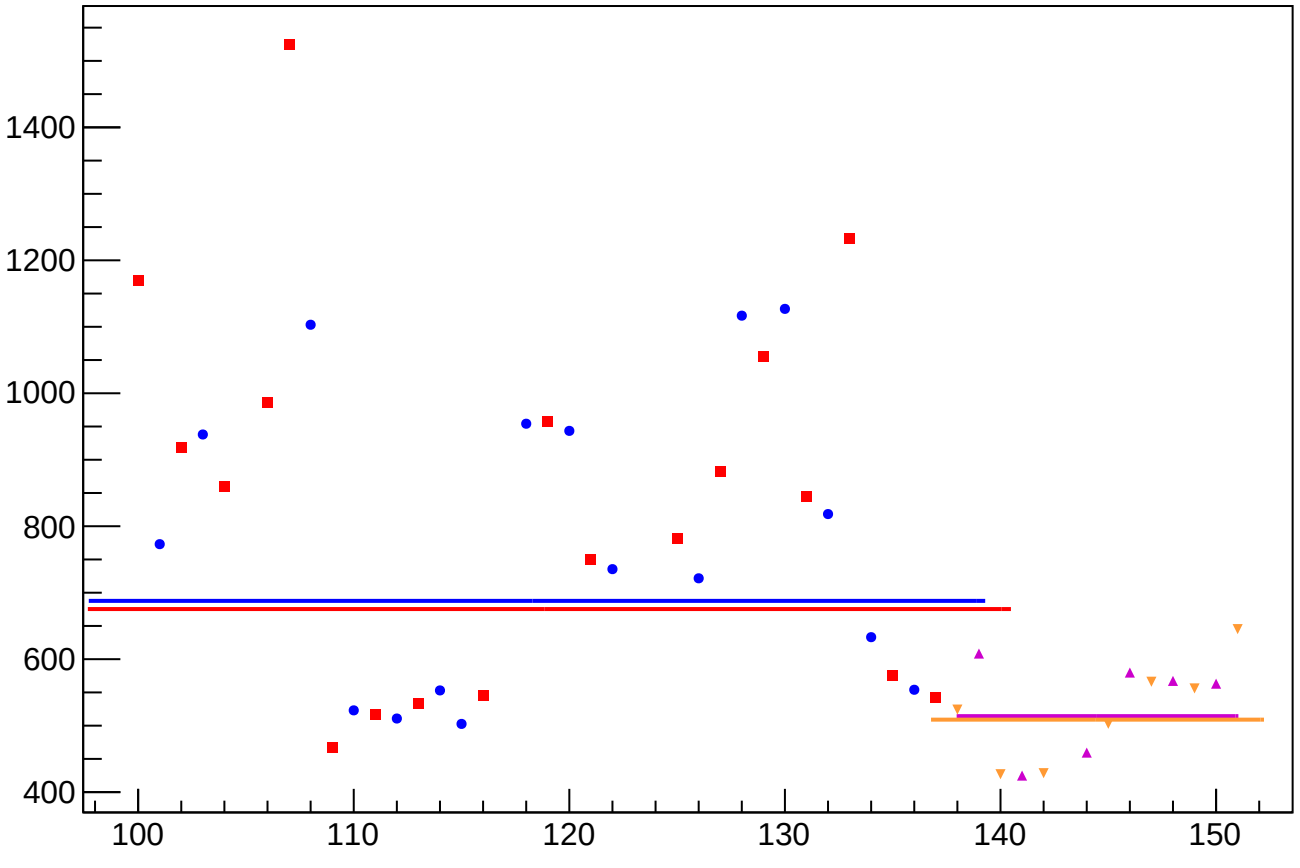
Left: -92.838+/-158.797 χ^2/NDF: 30.6/12

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

In: -2.615+/-172.707 χ^2/NDF:30.4/21

Out: -27.625+/-169.865 χ^2/NDF:41.6/24

All: -15.328+/-121.105 χ^2/NDF: 72.0/46



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

Left Out: 509.049+/-0.157 χ^2/NDF:197134.2/6

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

Left In: 514.325+/-0.160 χ^2/NDF:194650.4/5

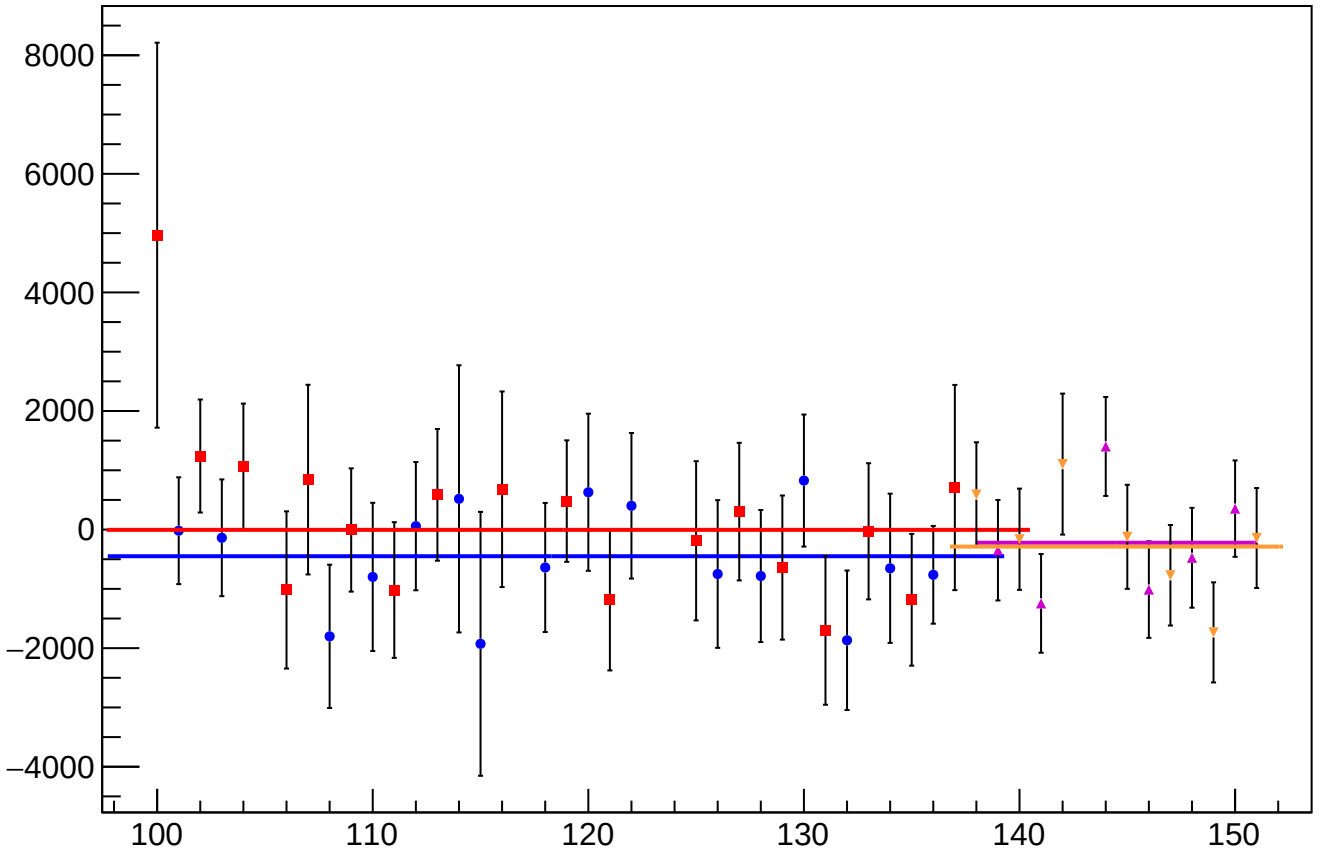
Left: 511.639+/-0.112 χ^2/NDF: 392336.4/12

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

In: 587.037+/-0.122 χ^2/NDF:1717418.0/21

Out: 578.496+/-0.120 χ^2/NDF:1976649.5/24

All: 582.696+/-0.086 χ^2/NDF: 3696554.0/46



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

Left Out: -287.190+/-335.835 χ^2/NDF:5.7/6

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

Left In: -221.784+/-338.958 χ^2/NDF:6.9/5

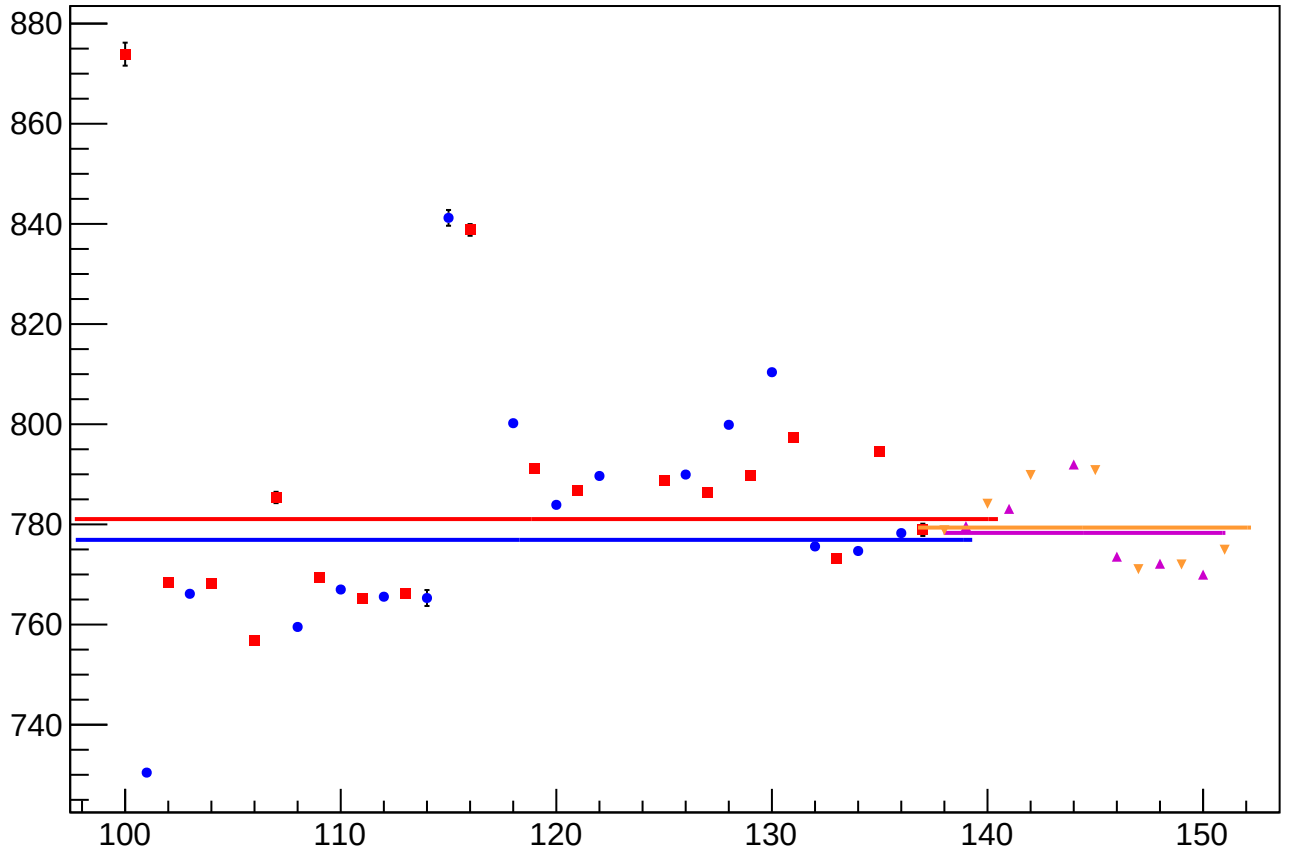
Left: -254.790+/-238.568 χ^2/NDF: 12.6/12

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

In: -353.731+/-219.770 χ^2/NDF:13.9/21

Out: -124.291+/-218.540 χ^2/NDF:18.0/24

All: -238.367+/-154.964 χ^2/NDF: 32.4/46



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

Left Out: 779.367+/-0.237 χ^2/NDF:959.7/6

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

Left In: 778.304+/-0.240 χ^2/NDF:992.0/5

Left: 778.840+/-0.169 χ^2/NDF: 1961.7/12

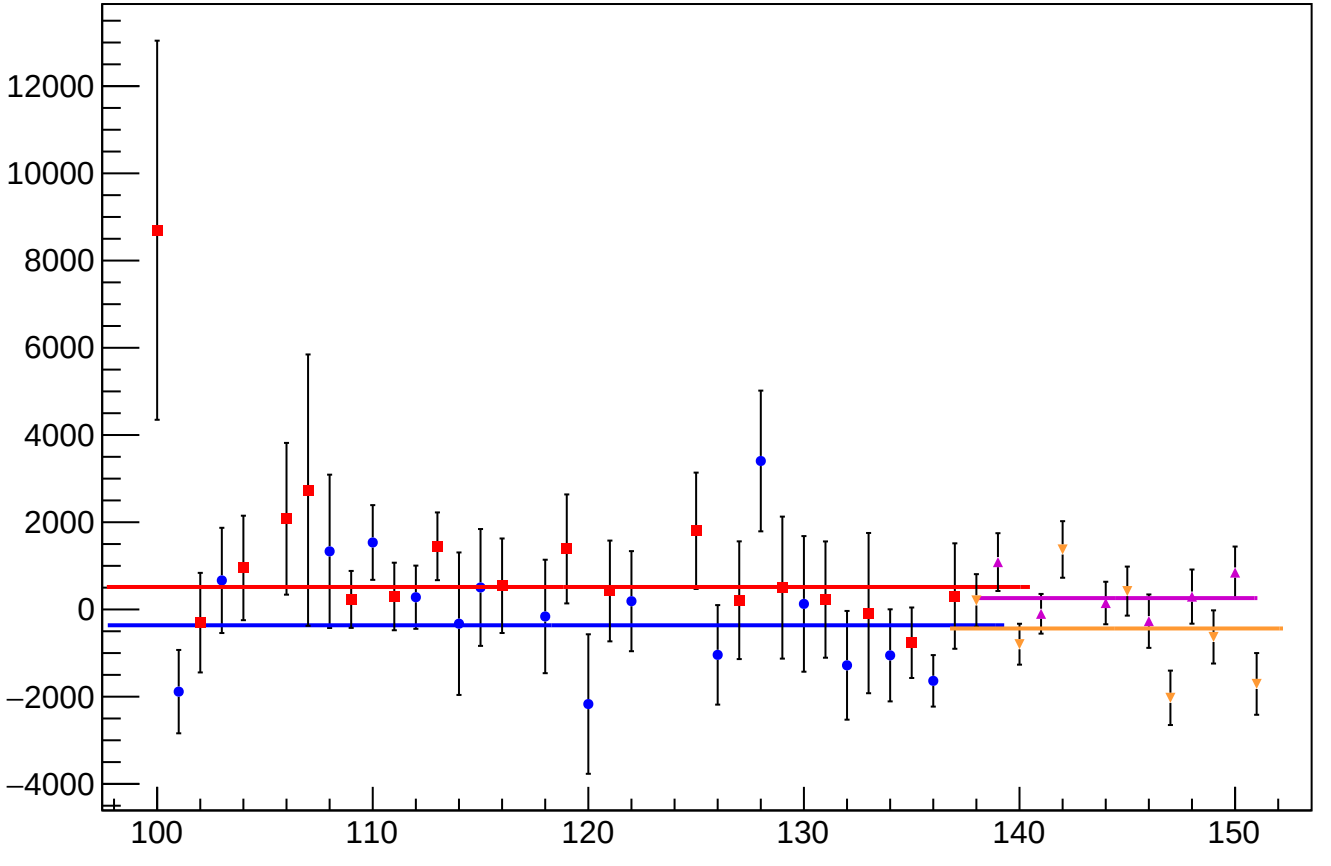
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.498+/-0.155 χ^2/NDF:13135.1/21

Out: 780.344+/-0.155 χ^2/NDF:8574.8/24

All: 778.929+/-0.110 χ^2/NDF: 21878.6/46

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -436.183+/-223.054 χ^2/NDF:21.7/6

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

Left In: 260.379+/-227.085 χ^2/NDF:3.9/5

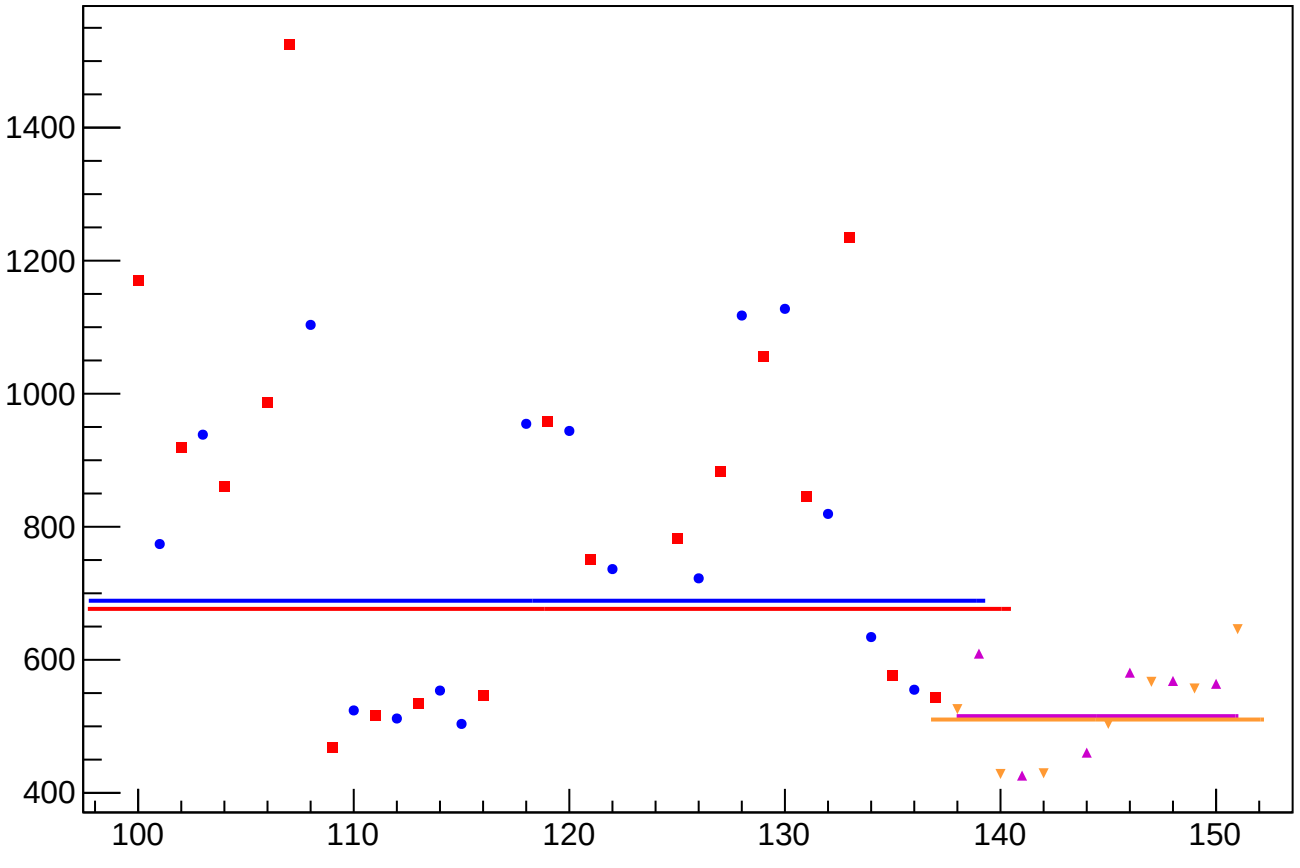
Left: -94.139+/-159.129 χ^2/NDF: 30.4/12

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

In: -1.100+/-173.005 χ^2/NDF:30.5/21

Out: -38.647+/-170.193 χ^2/NDF:40.7/24

All: -20.181+/-121.327 χ^2/NDF: 71.2/46



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

Left Out: 510.256+/-0.158 χ^2/NDF:195473.4/6

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

Left In: 515.356+/-0.161 χ^2/NDF:193320.2/5

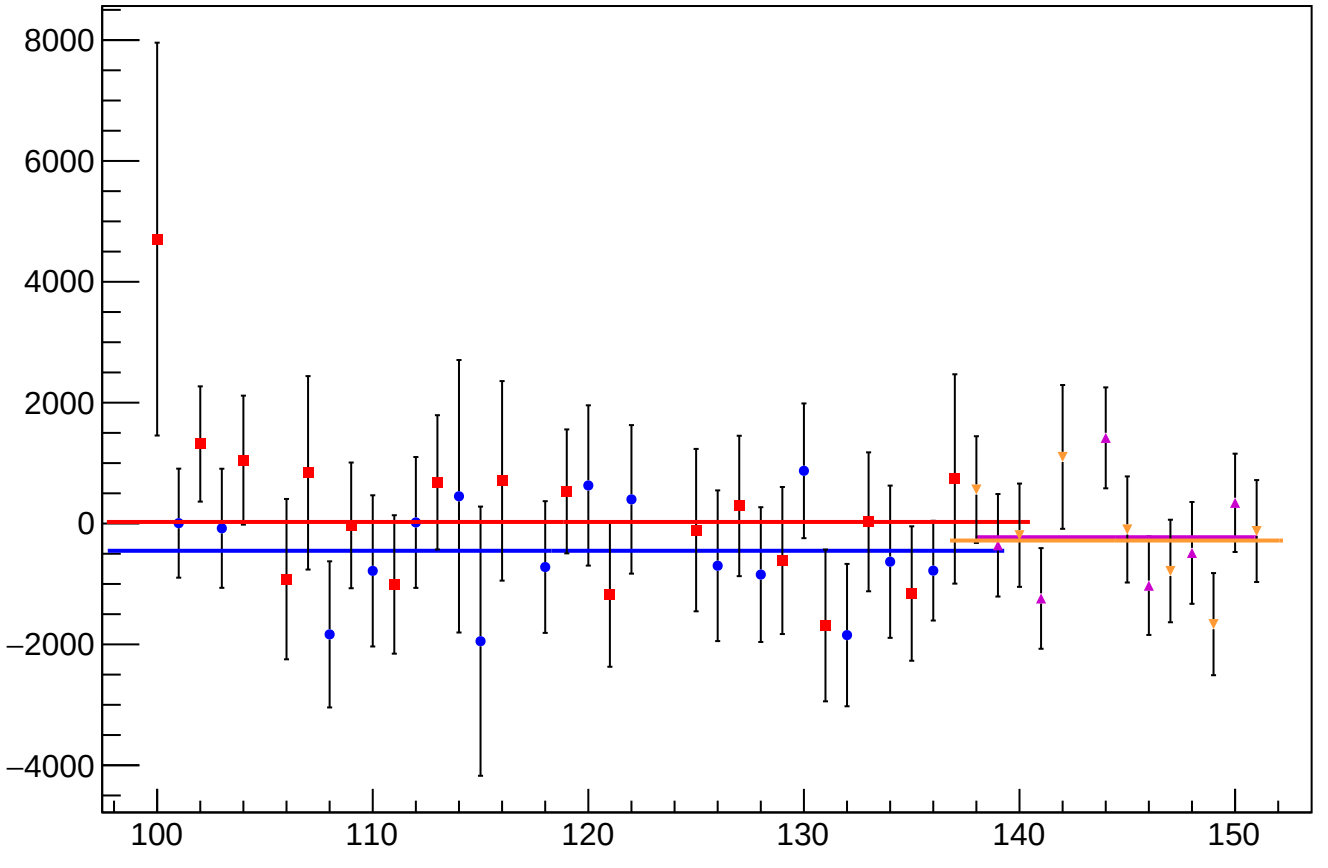
Left: 512.760+/-0.113 χ^2/NDF: 389307.0/12

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

In: 588.142+/-0.122 χ^2/NDF:1711138.6/21

Out: 579.744+/-0.120 χ^2/NDF:1968085.8/24

All: 583.874+/-0.086 χ^2/NDF: 3681619.3/46



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

Left Out: -281.357+/-336.134 χ^2/NDF:5.4/6

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

Left In: -226.704+/-339.231 χ^2/NDF:6.9/5

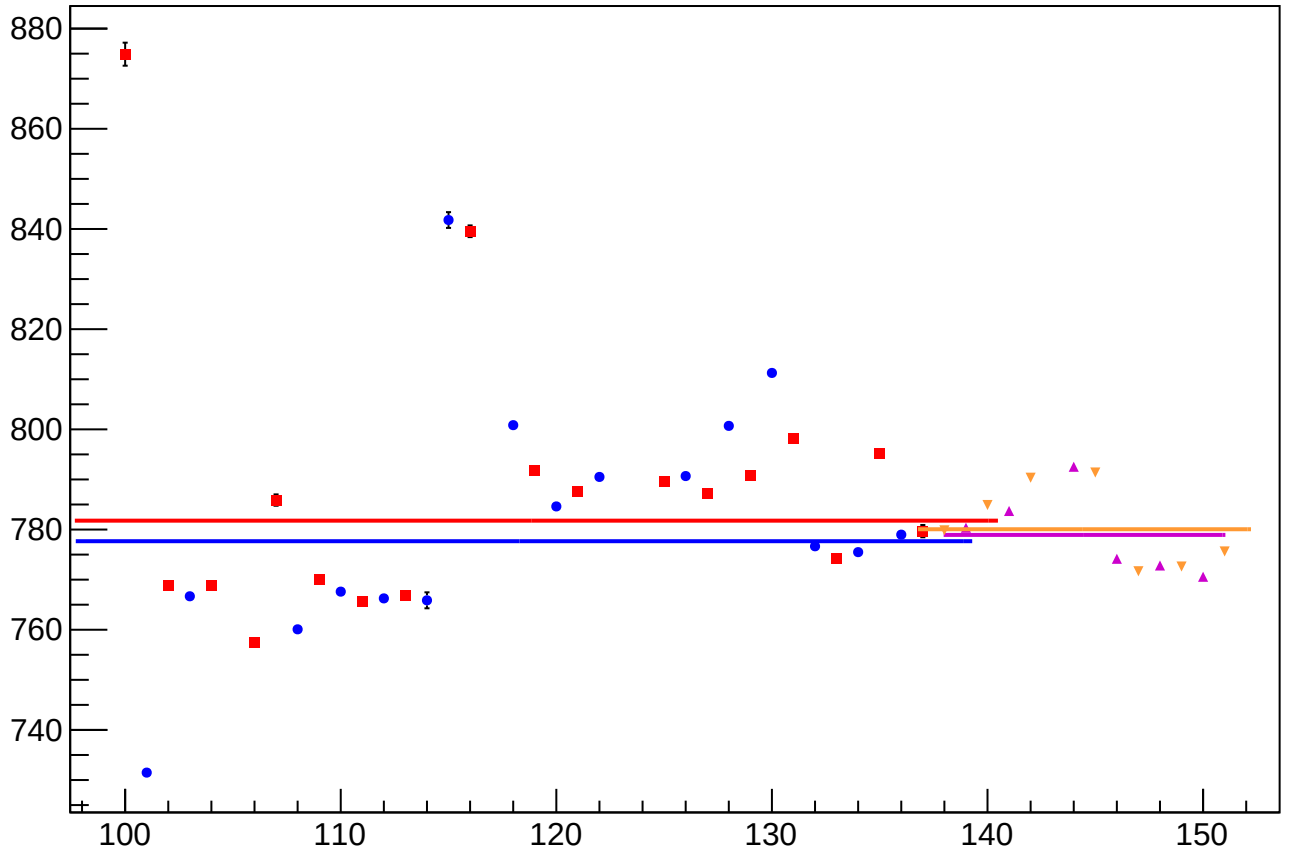
Left: -254.281+/-238.770 χ^2/NDF: 12.3/12

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

In: -356.664+/-219.969 χ^2/NDF:14.1/21

Out: -104.099+/-218.737 χ^2/NDF:17.6/24

All: -229.672+/-155.104 χ^2/NDF: 32.3/46



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

Left Out: 780.061+/-0.238 χ^2/NDF:952.3/6

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

Left In: 778.932+/-0.240 χ^2/NDF:986.6/5

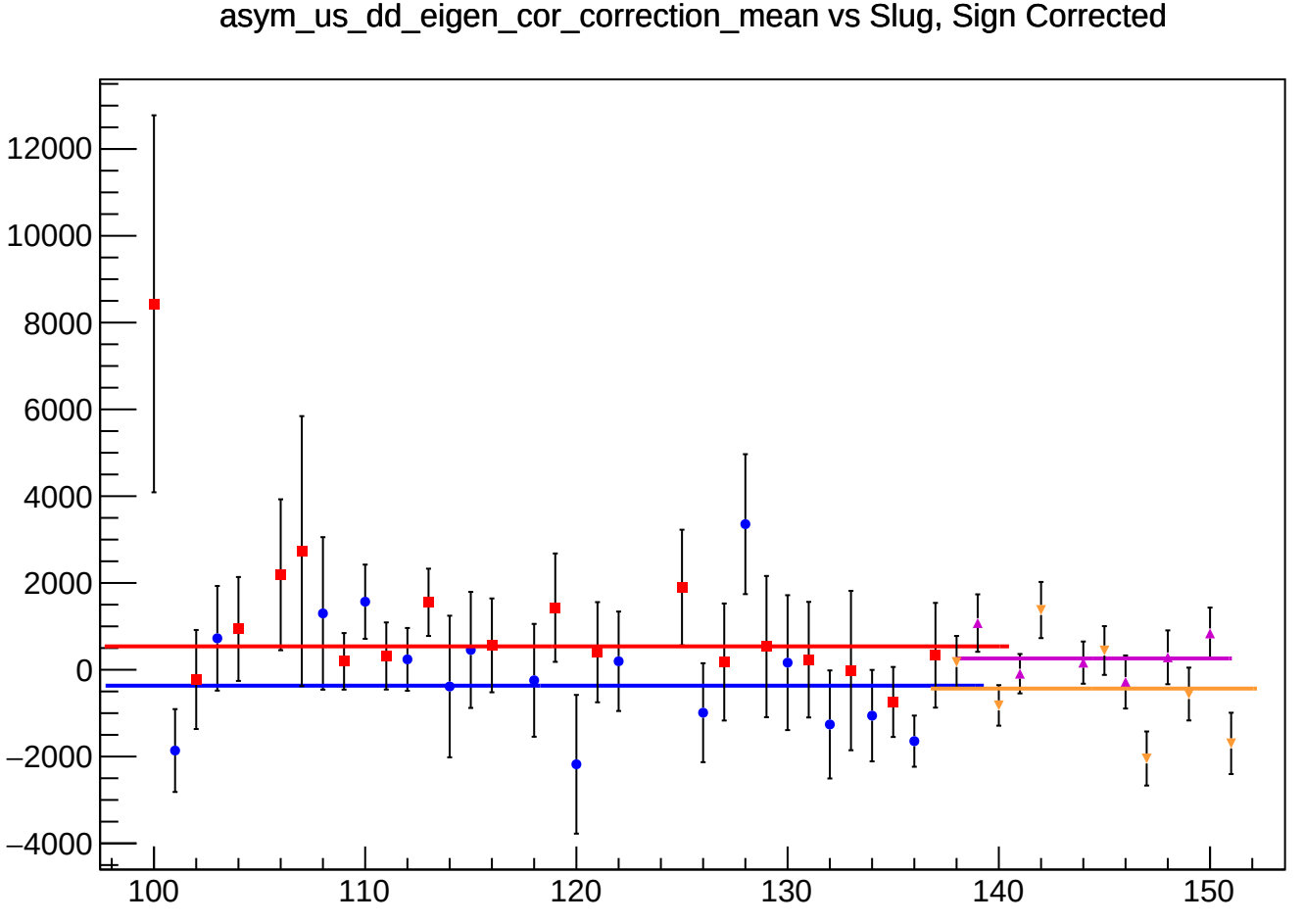
Left: 779.502+/-0.169 χ^2/NDF: 1950.0/12

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

In: 778.203+/-0.156 χ^2/NDF:13057.9/21

Out: 781.050+/-0.155 χ^2/NDF:8608.7/24

All: 779.635+/-0.110 χ^2/NDF: 21835.0/46



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

Left Out: -433.578+/-222.554 χ^2/NDF:21.9/6

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

Left In: 260.554+/-226.648 χ^2/NDF:3.9/5

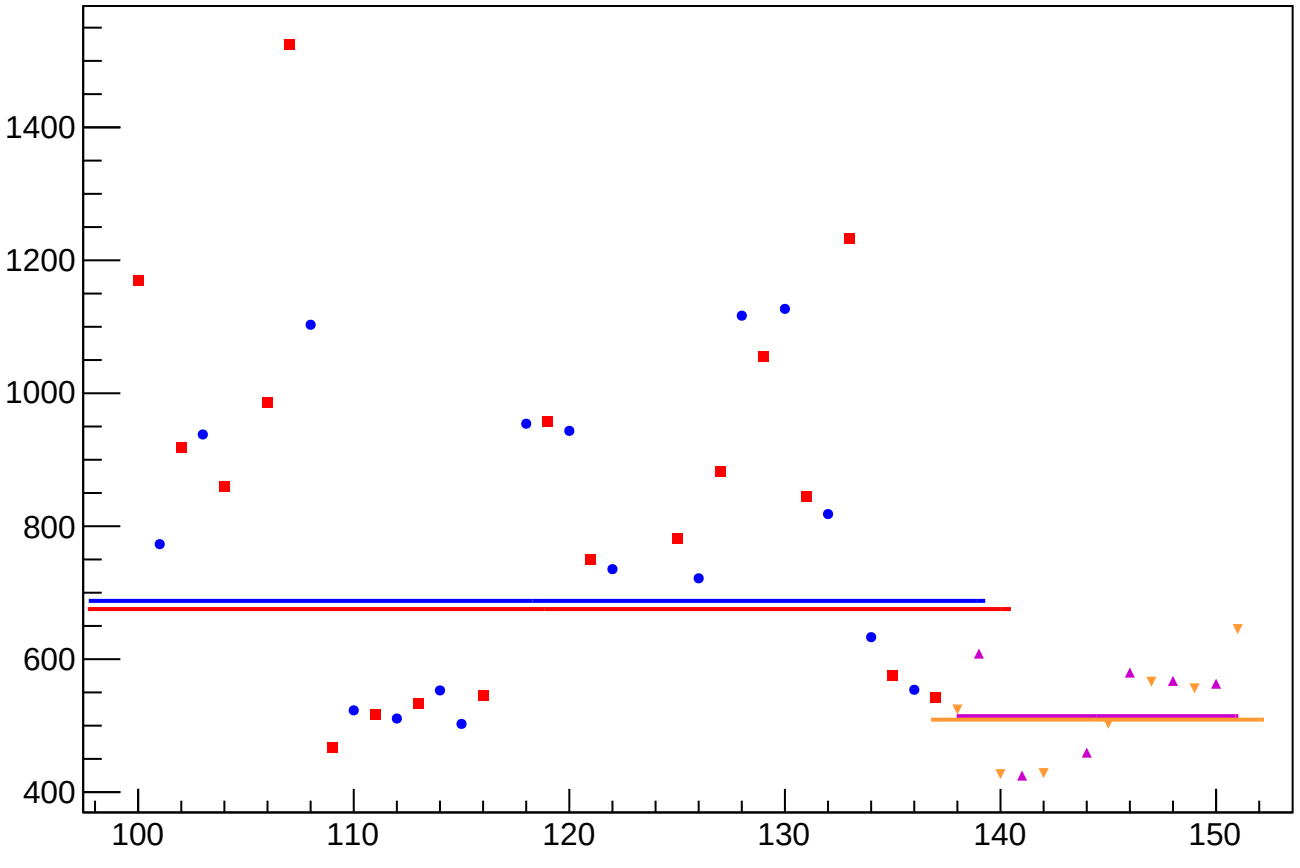
Left: -92.838+/-158.797 χ^2/NDF: 30.6/12

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

In: -2.615+/-172.707 χ^2/NDF:30.4/21

Out: -27.625+/-169.865 χ^2/NDF:41.6/24

All: -15.328+/-121.105 χ^2/NDF: 72.0/46



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

Left Out: 509.049+/-0.157 χ^2/NDF:197134.2/6

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

Left In: 514.325+/-0.160 χ^2/NDF:194650.4/5

Left: 511.639+/-0.112 χ^2/NDF: 392336.4/12

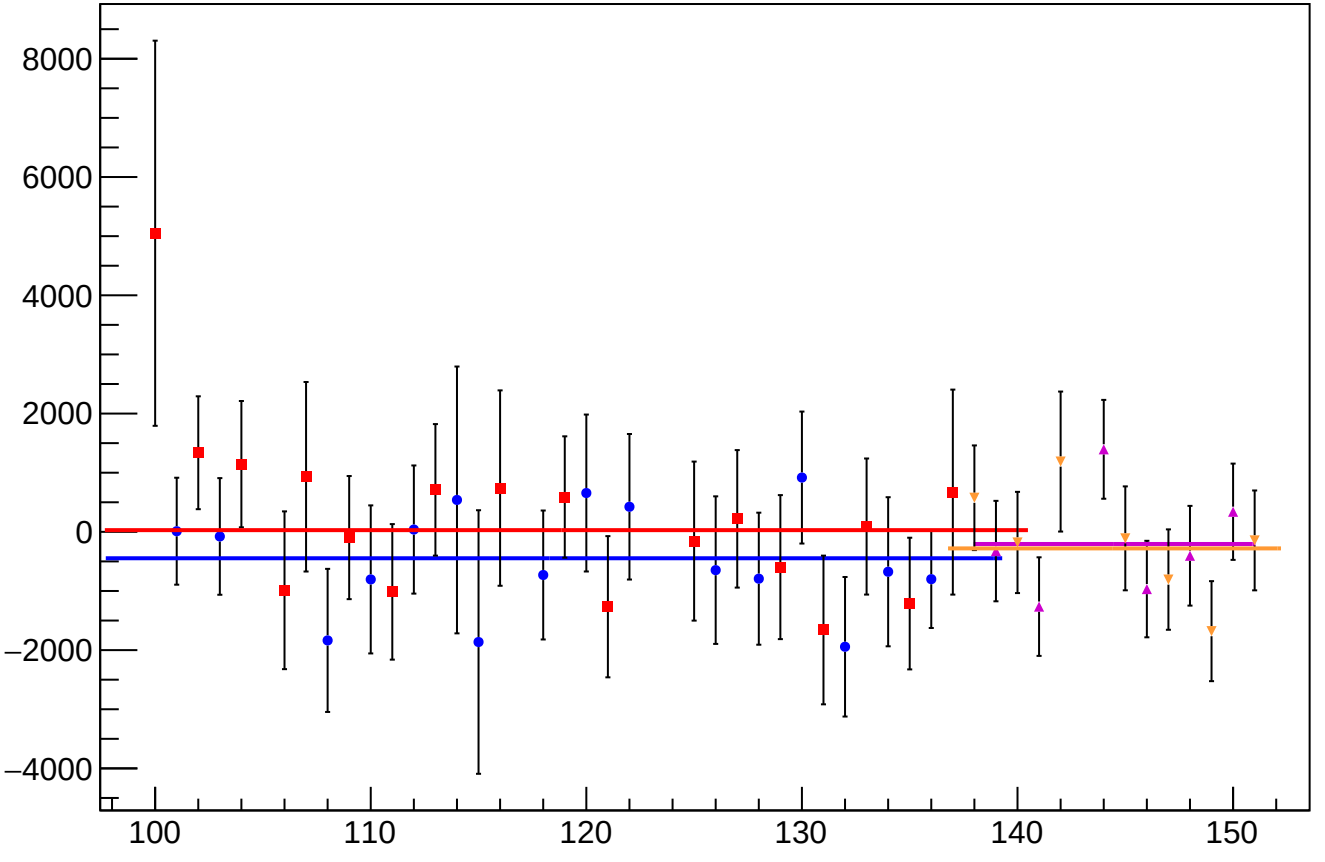
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 587.037+/-0.122 χ^2/NDF:1717418.0/21

Out: 578.496+/-0.120 χ^2/NDF:1976649.5/24

All: 582.696+/-0.086 χ^2/NDF: 3696554.0/46

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -279.989+/-336.344 χ^2/NDF:5.7/6

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

Left In: -205.246+/-339.509 χ^2/NDF:6.7/5

Left: -242.967+/-238.942 χ^2/NDF: 12.4/12

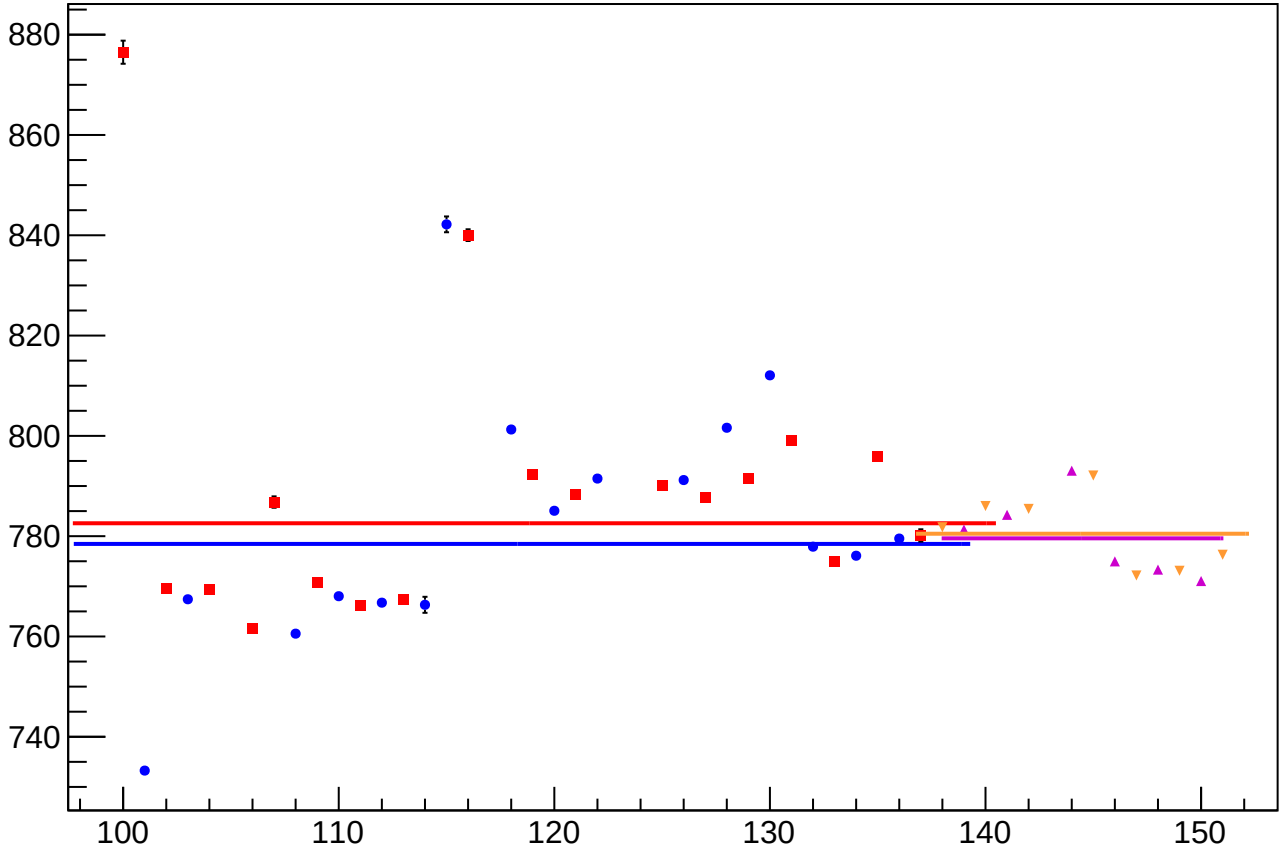
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -345.131+/-220.172 χ^2/NDF:14.3/21

Out: -102.029+/-218.924 χ^2/NDF:18.8/24

All: -222.889+/-155.242 χ^2/NDF: 33.7/46

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 780.488+/-0.238 χ^2/NDF:866.0/6

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

Left In: 779.568+/-0.240 χ^2/NDF:984.4/5

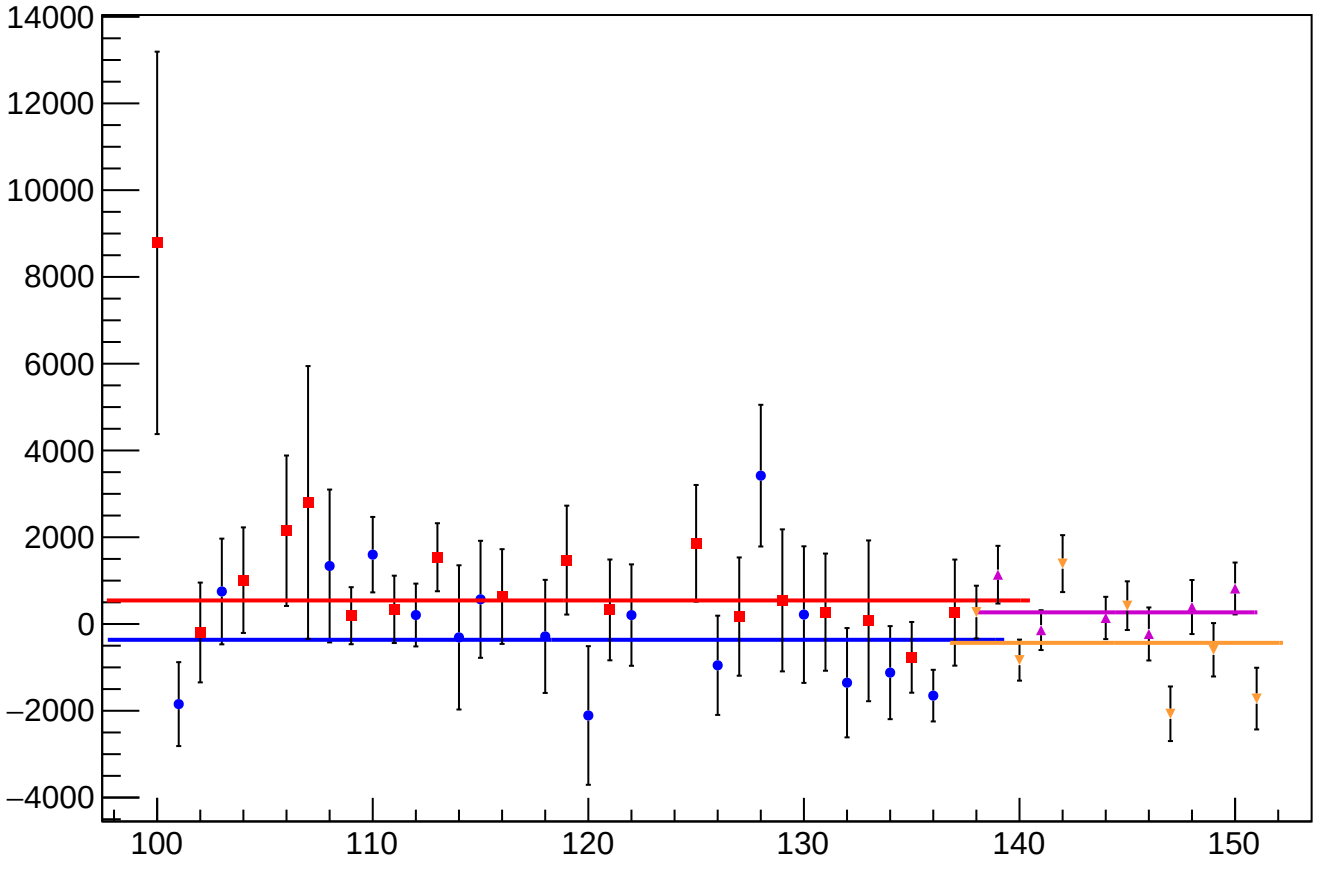
Left: 780.033+/-0.169 χ^2/NDF: 1857.8/12

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

In: 778.924+/-0.156 χ^2/NDF:12792.1/21

Out: 781.691+/-0.155 χ^2/NDF:8391.8/24

All: 780.315+/-0.110 χ^2/NDF: 21342.7/46



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

Left Out: -434.390+/-224.643 χ^2/NDF:22.2/6

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

Left In: 268.427+/-227.835 χ^2/NDF:4.1/5

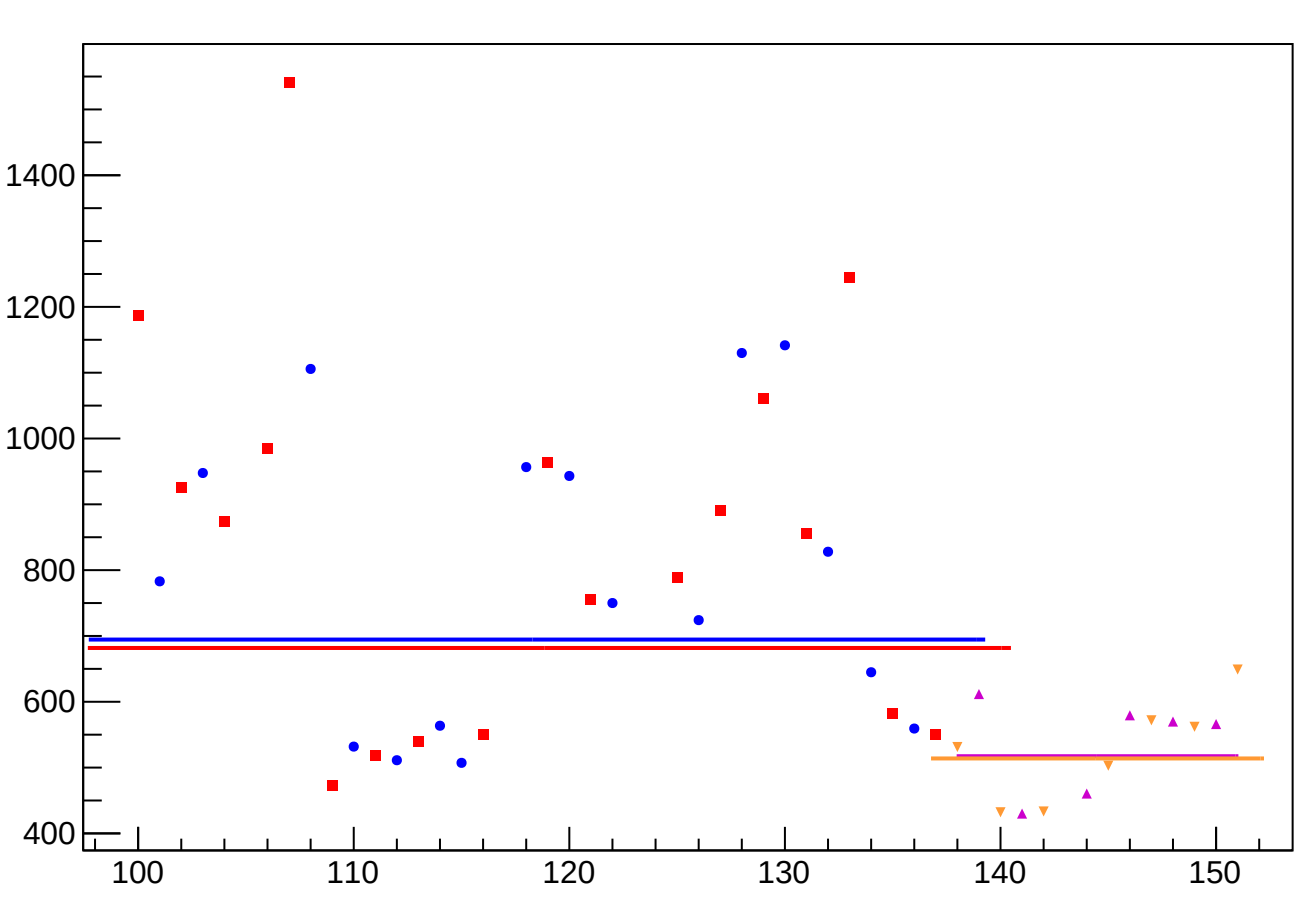
Left: -87.939+/-159.963 χ^2/NDF: 31.2/12

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

In: 4.626+/-173.941 χ^2/NDF:30.6/21

Out: -26.250+/-171.432 χ^2/NDF:41.9/24

All: -11.036+/-122.098 χ^2/NDF: 72.6/46



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

Left Out: 513.877+/-0.159 χ^2/NDF:193805.7/6

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

Left In: 517.283+/-0.161 χ^2/NDF:187861.6/5

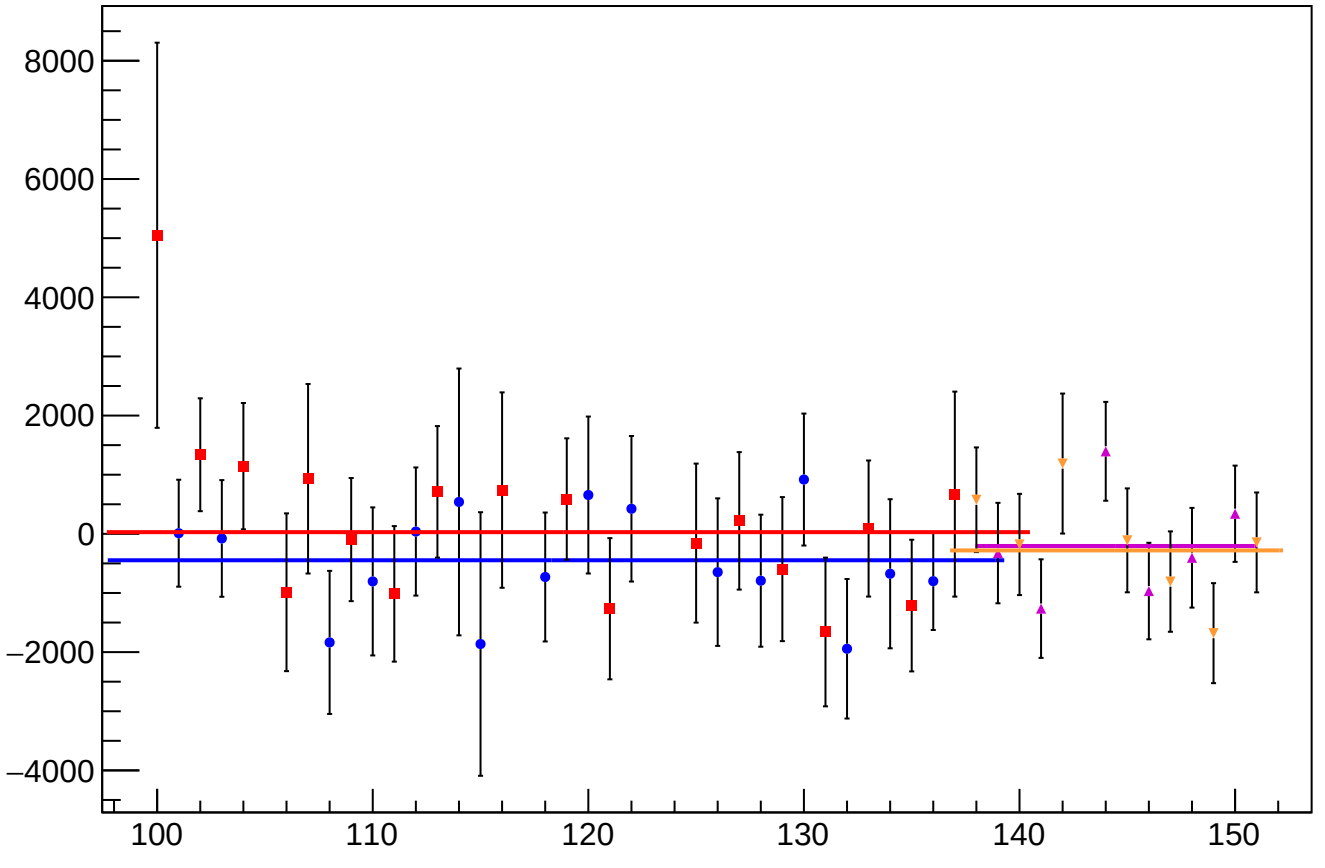
Left: 515.556+/-0.113 χ^2/NDF: 381894.0/12

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

In: 591.217+/-0.123 χ^2/NDF:1722629.5/21

Out: 583.984+/-0.121 χ^2/NDF:1971539.7/24

All: 587.548+/-0.086 χ^2/NDF: 3695923.5/46



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

Left Out: -279.991+/-336.344 χ^2/NDF:5.7/6

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

Left In: -205.244+/-339.509 χ^2/NDF:6.7/5

Left: -242.968+/-238.942 χ^2/NDF: 12.4/12

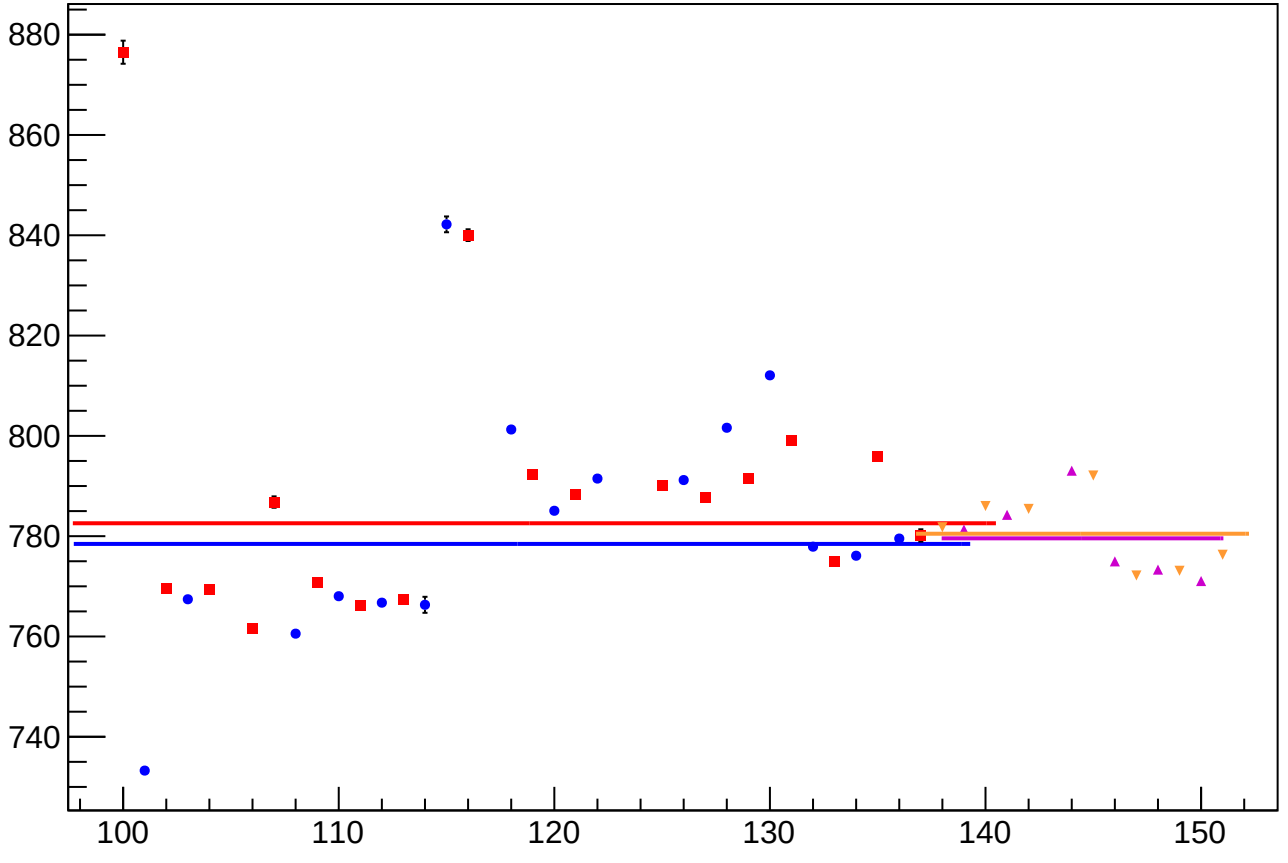
Right: -208.224+/-204.216 χ^2/NDF: 21.3/33

In: -345.131+/-220.172 χ^2/NDF:14.3/21

Out: -102.031+/-218.924 χ^2/NDF:18.8/24

All: -222.890+/-155.242 χ^2/NDF: 33.7/46

eigen_dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 780.488+/-0.238 χ^2/NDF:866.0/6

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

Left In: 779.568+/-0.240 χ^2/NDF:984.4/5

Left: 780.033+/-0.169 χ^2/NDF: 1857.8/12

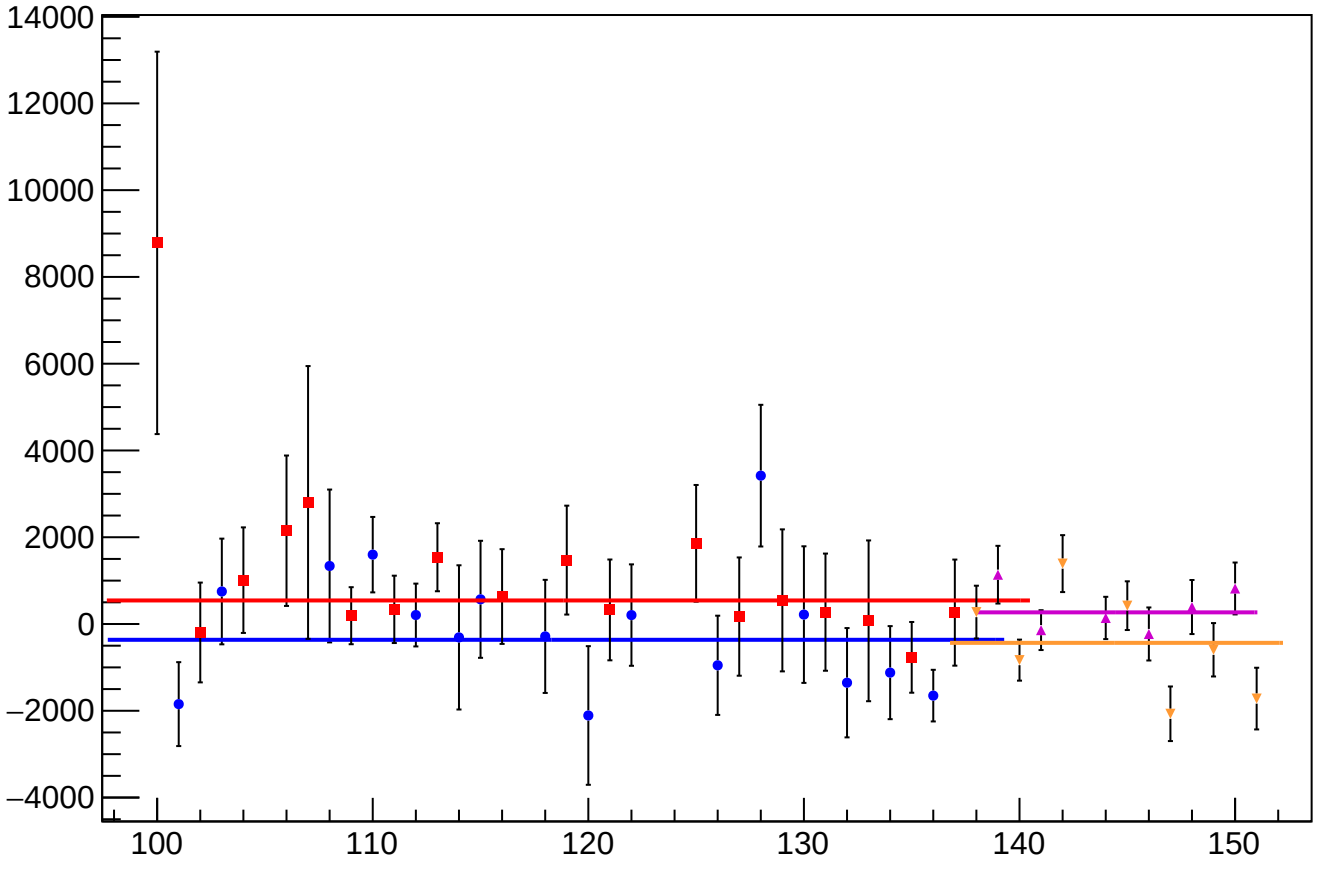
Right: 780.522+/-0.144 χ^2/NDF: 19480.0/33

In: 778.924+/-0.156 χ^2/NDF:12792.0/21

Out: 781.691+/-0.155 χ^2/NDF:8391.8/24

All: 780.315+/-0.110 χ^2/NDF: 21342.7/46

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: -434.391+/-224.643 χ^2/NDF:22.2/6

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

Left In: 268.425+/-227.835 χ^2/NDF:4.1/5

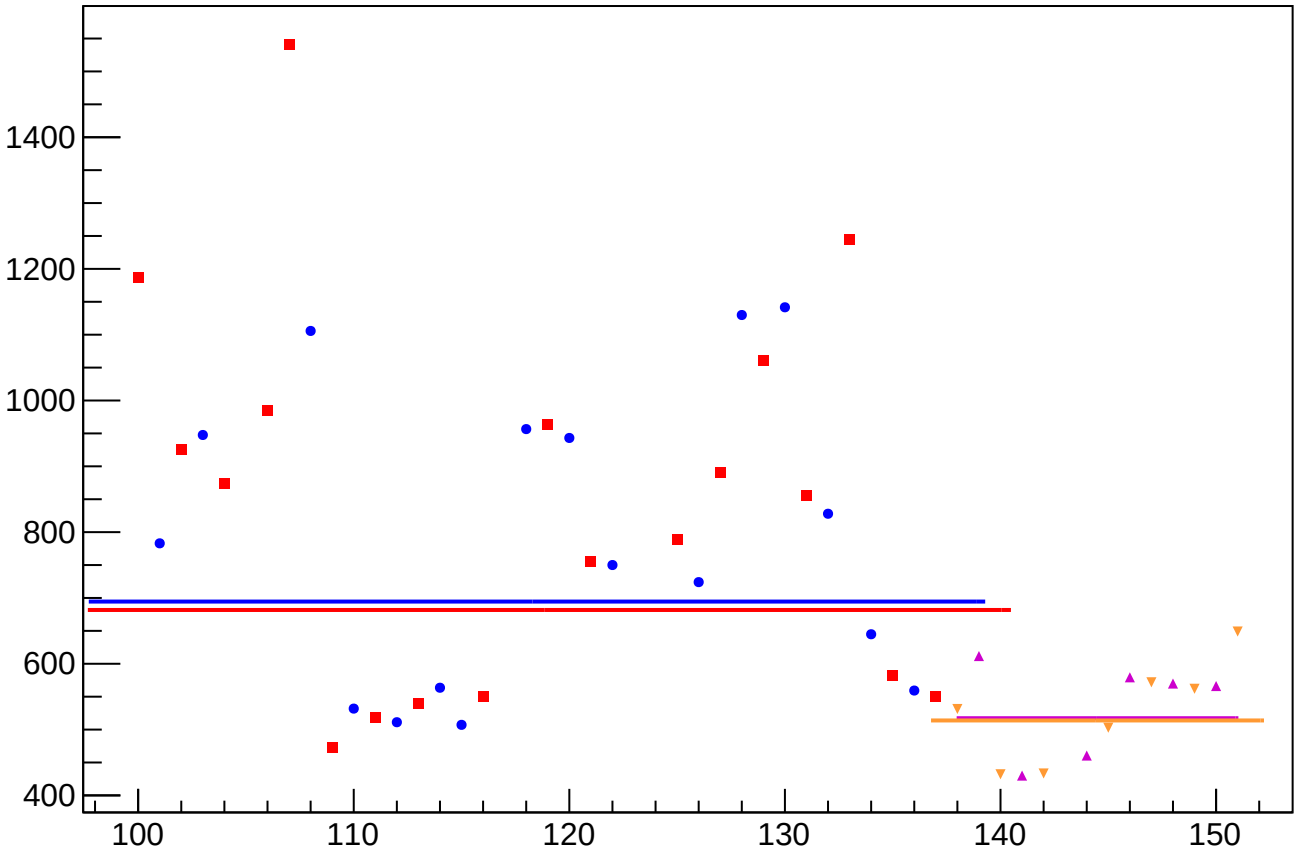
Left: -87.941+/-159.963 χ^2/NDF: 31.2/12

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

In: 4.625+/-173.941 χ^2/NDF:30.6/21

Out: -26.249+/-171.431 χ^2/NDF:41.9/24

All: -11.036+/-122.098 χ^2/NDF: 72.6/46



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

Left Out: 513.877+/-0.159 χ^2/NDF:193814.4/6

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

Left In: 517.283+/-0.161 χ^2/NDF:187870.2/5

Left: 515.556+/-0.113 χ^2/NDF: 381911.3/12

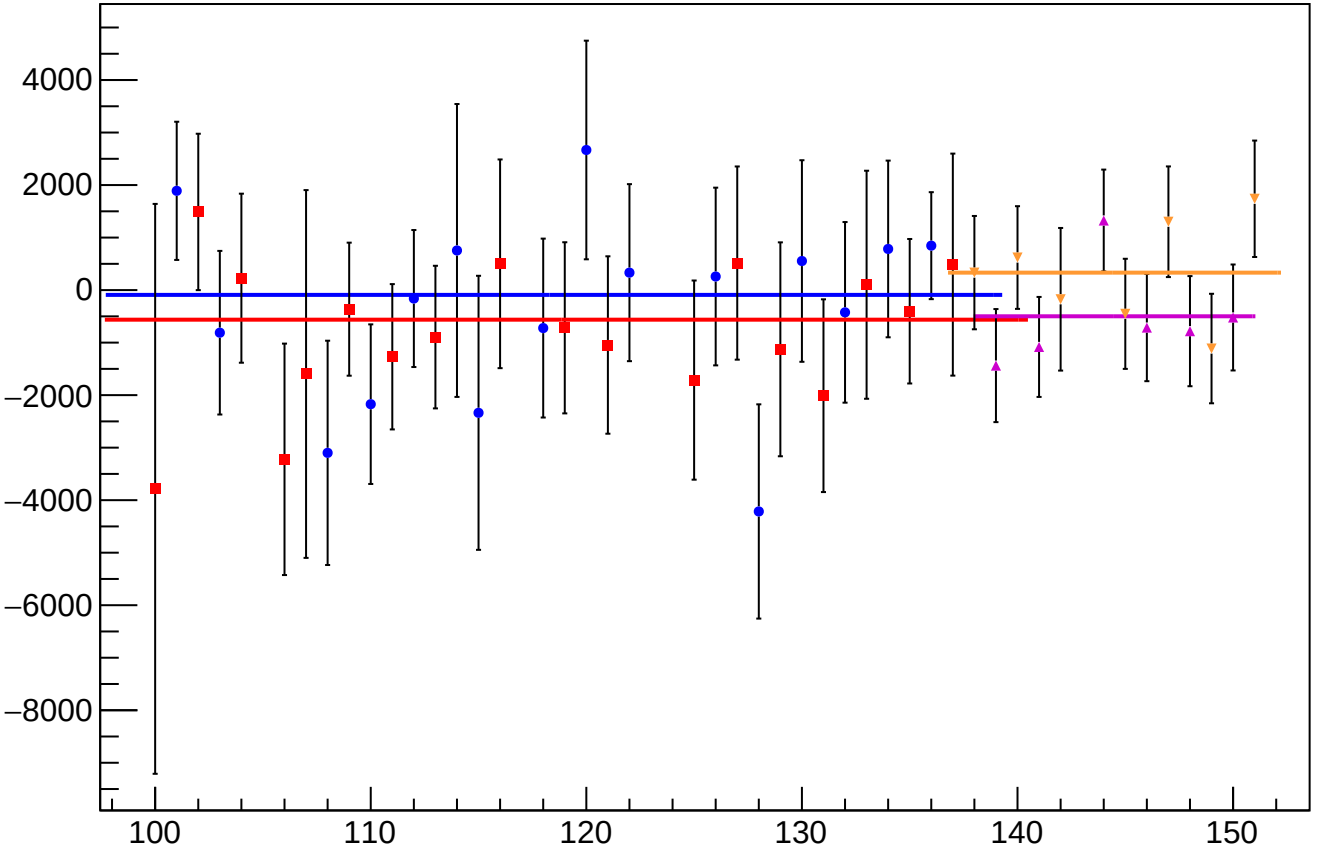
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 591.216+/-0.123 χ^2/NDF:1722633.9/21

Out: 583.982+/-0.121 χ^2/NDF:1971553.7/24

All: 587.546+/-0.086 χ^2/NDF: 3695941.9/46

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 332.328+/-408.505 χ^2/NDF:5.2/6

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

Left In: -498.688+/-412.306 χ^2/NDF:4.8/5

Left: -79.332+/-290.191 χ^2/NDF: 12.0/12

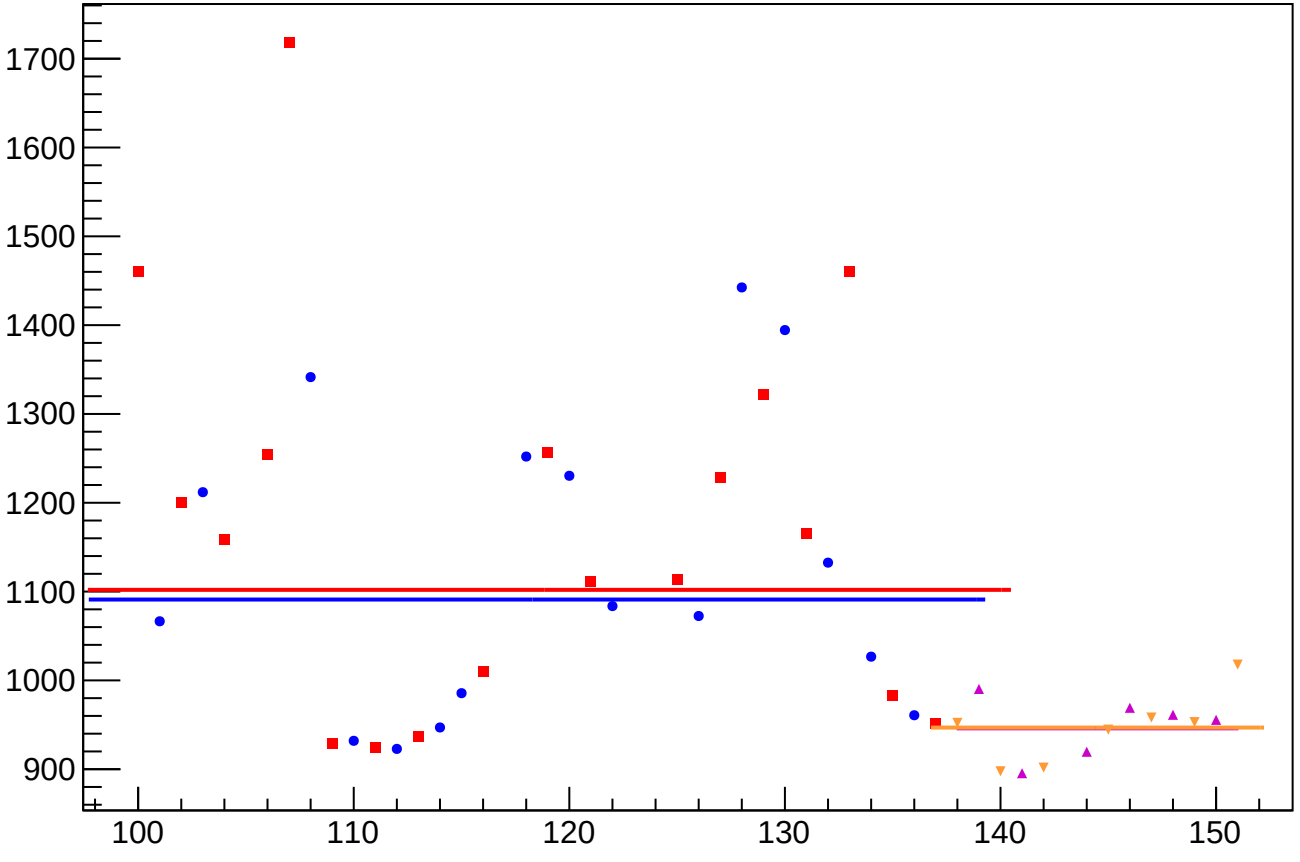
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -293.832+/-290.710 χ^2/NDF:19.8/21

Out: -112.141+/-289.932 χ^2/NDF:14.1/24

All: -202.743+/-205.288 χ^2/NDF: 34.1/46

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 946.870+/-0.289 χ^2/NDF:15821.2/6

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

Left In: 946.025+/-0.292 χ^2/NDF:12140.2/5

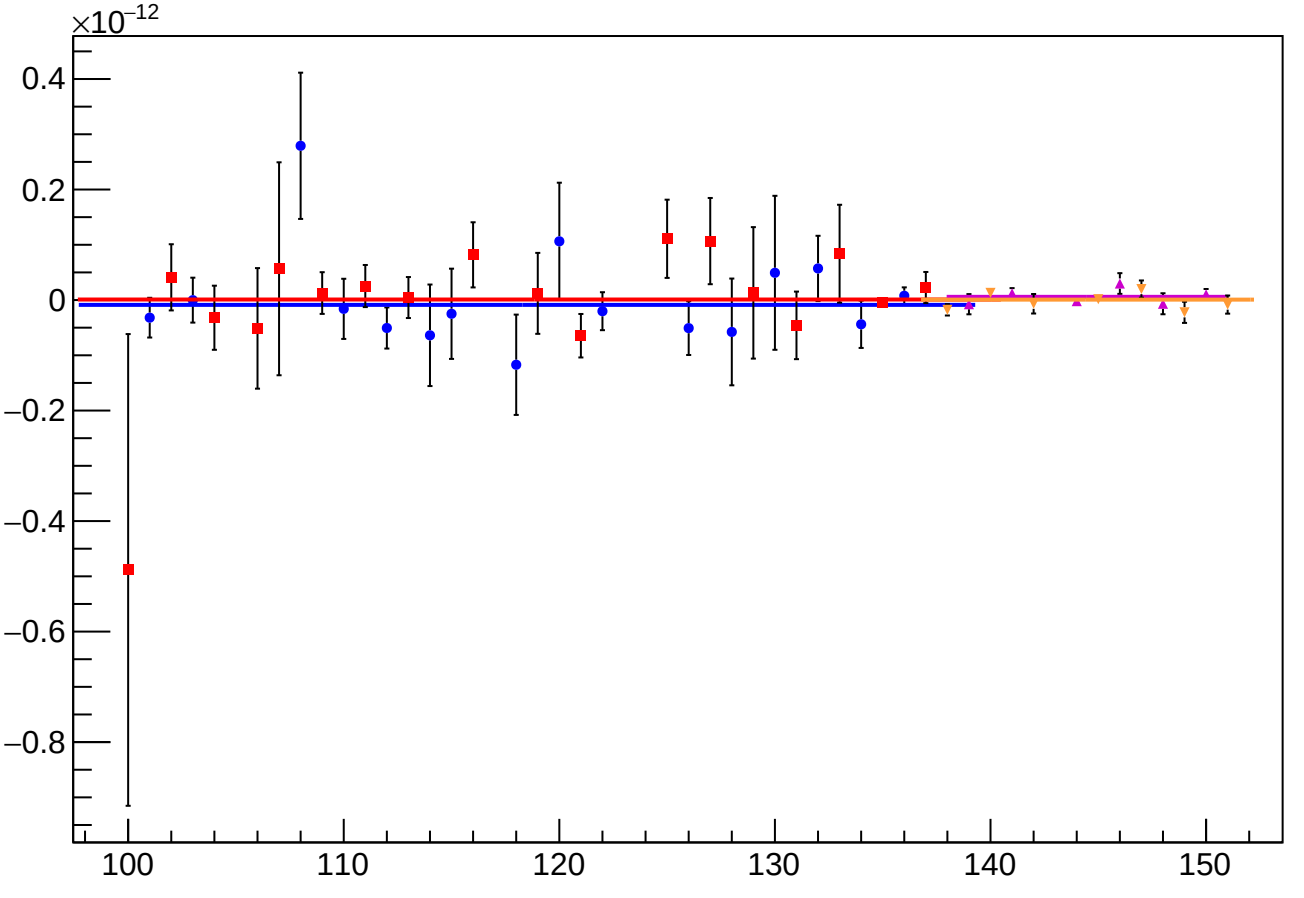
Left: 946.452+/-0.205 χ^2/NDF: 27965.7/12

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

In: 1018.947+/-0.206 χ^2/NDF:413858.0/21

Out: 1023.833+/-0.205 χ^2/NDF:486976.5/24

All: 1021.397+/-0.145 χ^2/NDF: 901117.6/46



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

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/6

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

Left In: 0.000+/-0.000 χ^2/NDF:4.2/5

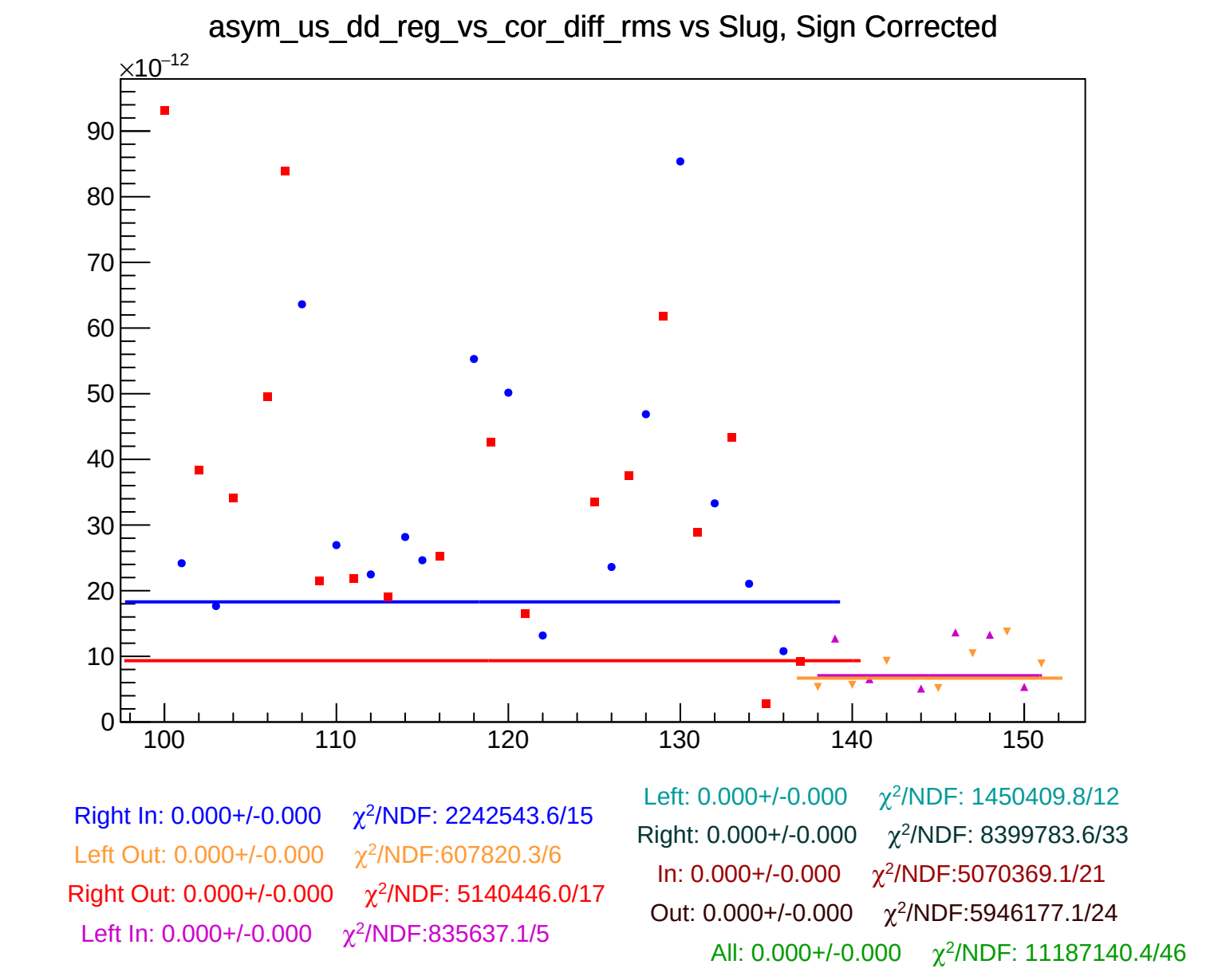
Left: 0.000+/-0.000 χ^2/NDF: 14.0/12

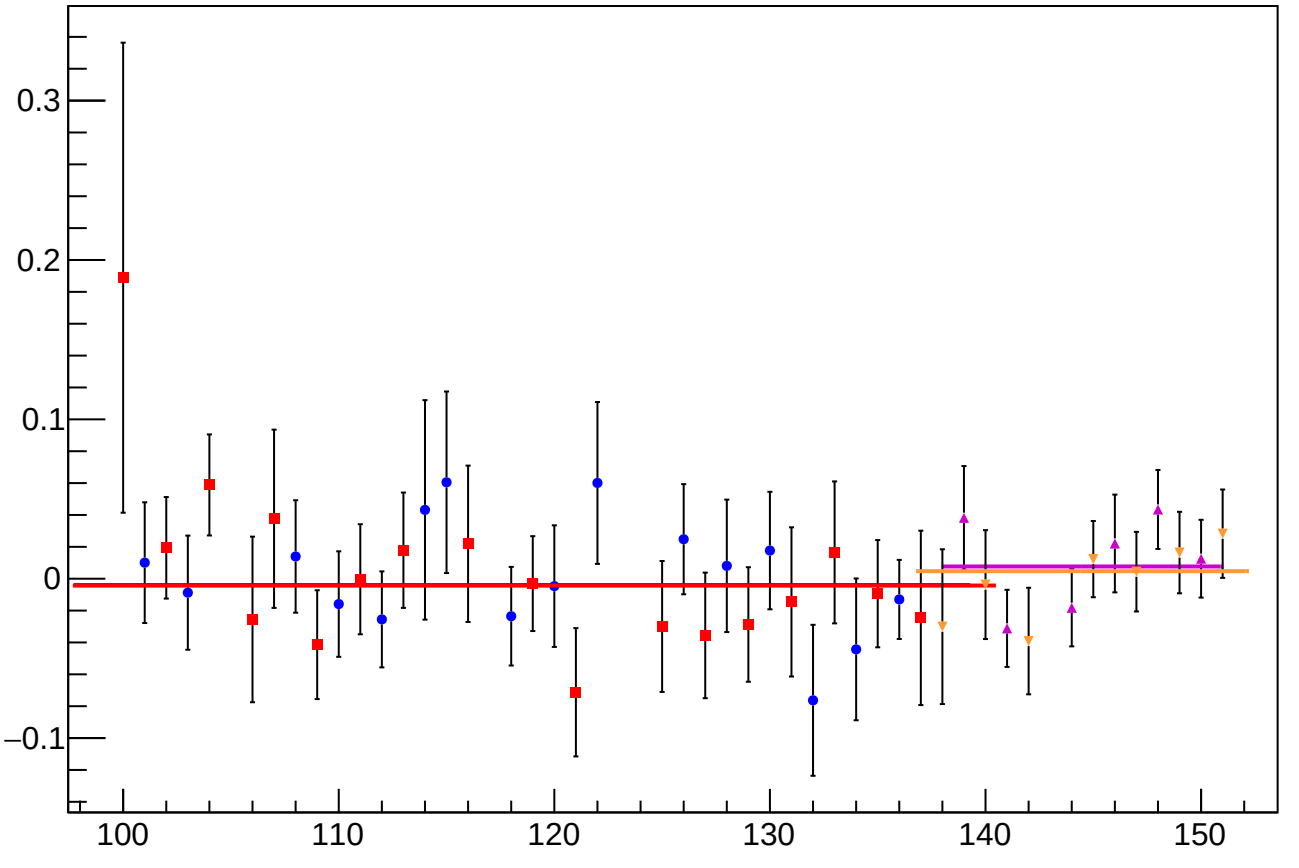
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:19.7/21

Out: 0.000+/-0.000 χ^2/NDF:23.5/24

All: 0.000+/-0.000 χ^2/NDF: 43.3/46


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:607820.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:835637.1/5
Left: 0.000+/-0.000 χ²/NDF: 1450409.8/12
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5070369.1/21
Out: 0.000+/-0.000 χ²/NDF:5946177.1/24
All: 0.000+/-0.000 χ²/NDF: 11187140.4/46



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

Left In: 0.008+/-0.011 χ^2/NDF:7.0/5

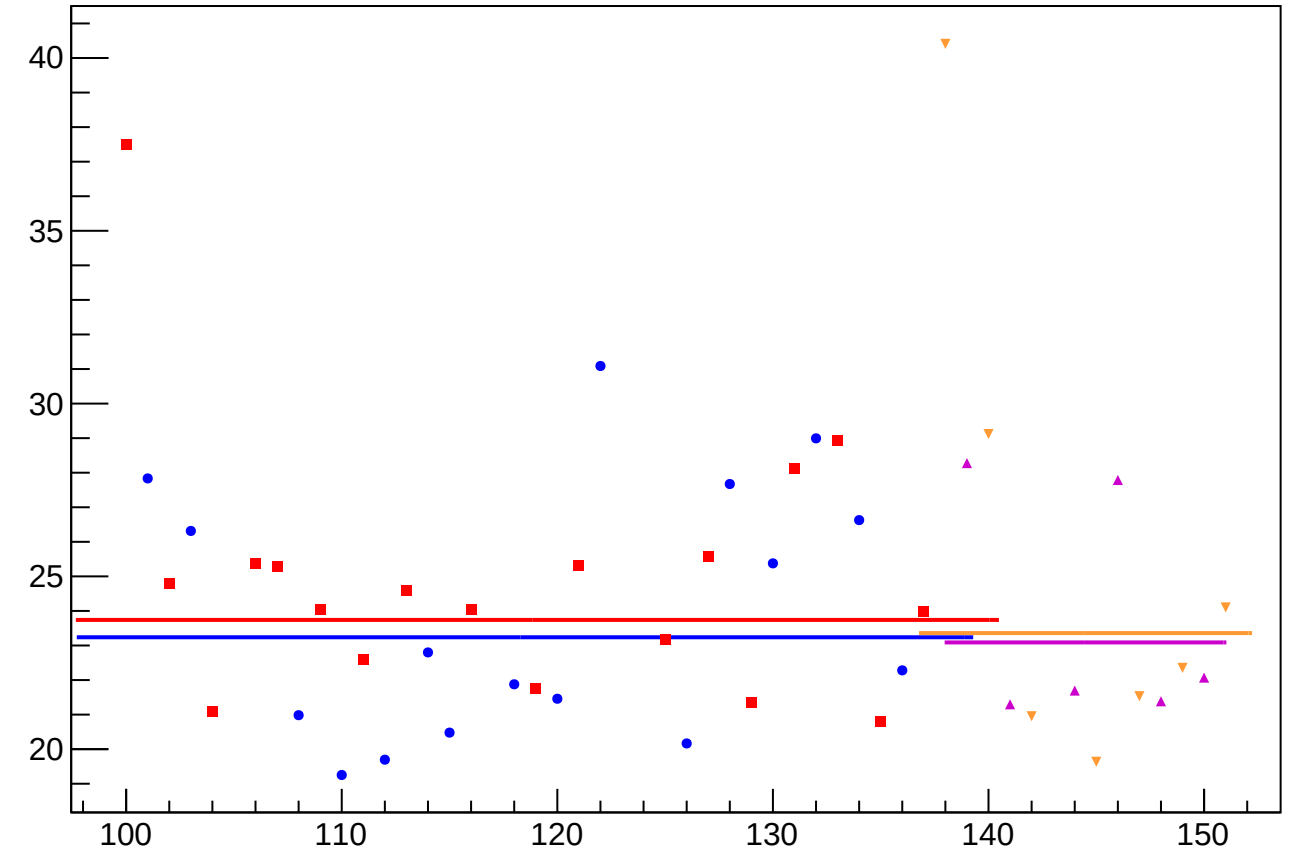
Left: 0.006+/-0.008 χ^2/NDF: 10.3/12

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

In: 0.001+/-0.007 χ^2/NDF:16.8/21

Out: -0.000+/-0.007 χ^2/NDF:17.2/24

All: 0.000+/-0.005 χ^2/NDF: 34.1/46



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

Left Out: 23.359+/-0.008 χ^2/NDF:377450.5/6

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

Left In: 23.089+/-0.008 χ^2/NDF:128500.2/5

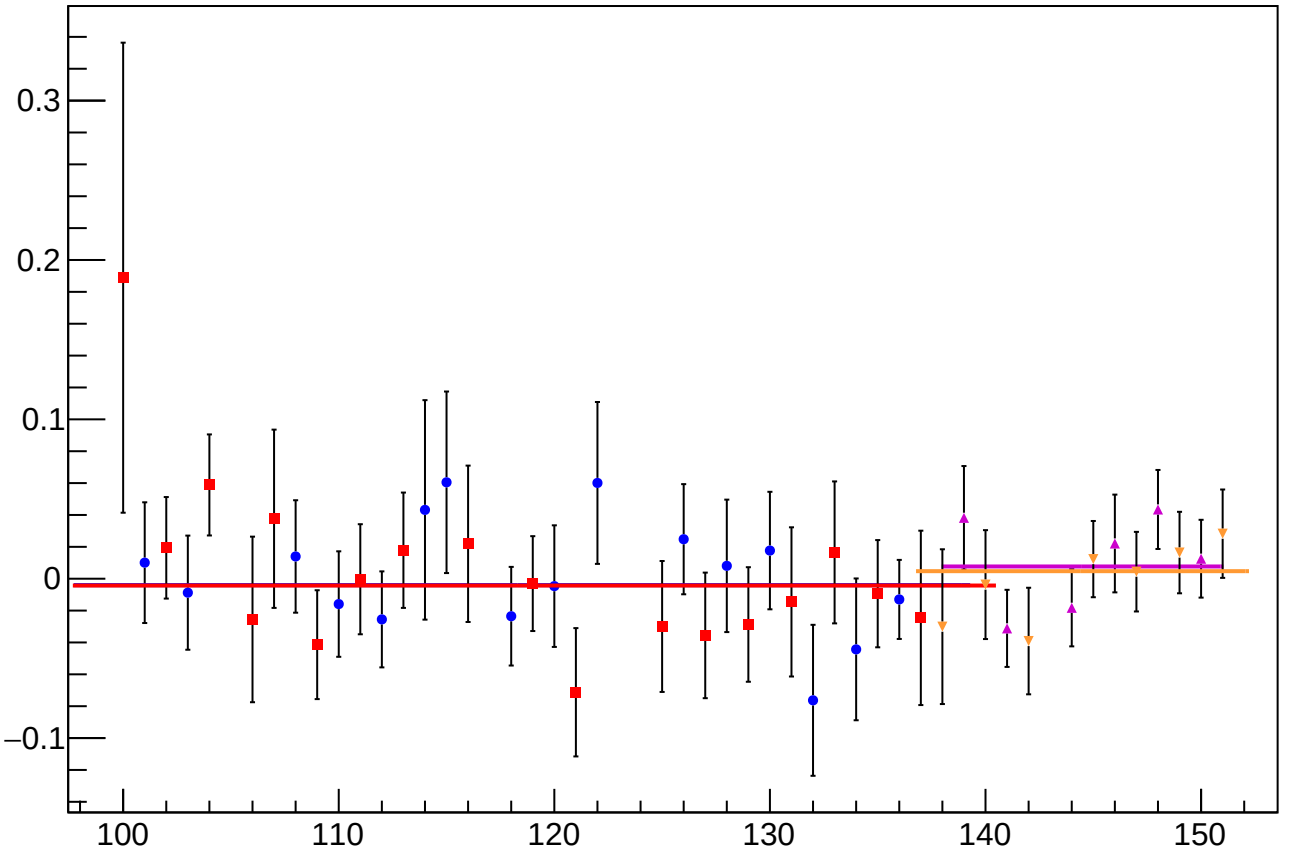
Left: 23.221+/-0.005 χ^2/NDF: 506574.9/12

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

In: 23.174+/-0.005 χ^2/NDF:387957.5/21

Out: 23.580+/-0.005 χ^2/NDF:505040.3/24

All: 23.375+/-0.004 χ^2/NDF: 896316.2/46



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

Left In: 0.008+/-0.011 χ^2/NDF:7.0/5

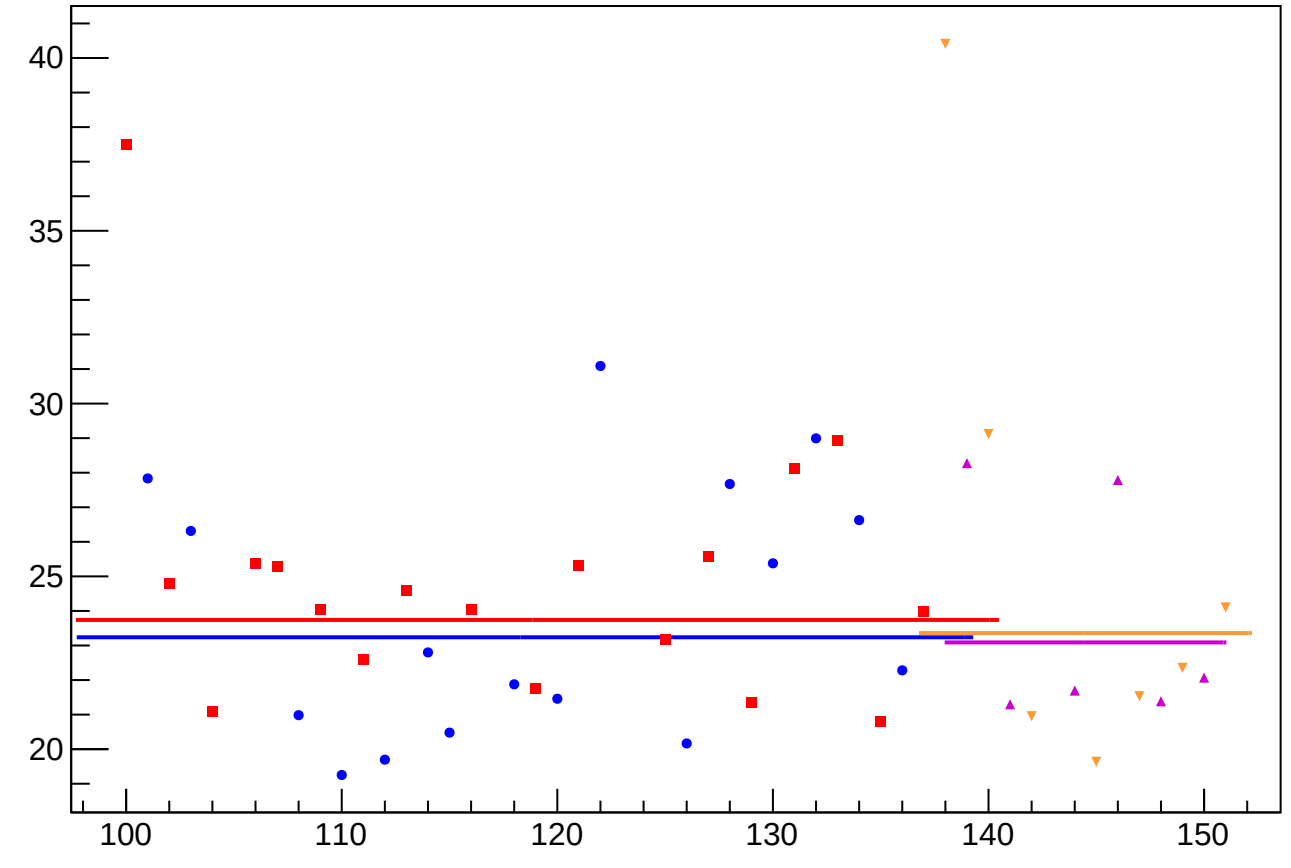
Left: 0.006+/-0.008 χ^2/NDF: 10.3/12

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

In: 0.001+/-0.007 χ^2/NDF:16.8/21

Out: -0.000+/-0.007 χ^2/NDF:17.2/24

All: 0.000+/-0.005 χ^2/NDF: 34.1/46



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

Left Out: 23.359+/-0.008 χ^2/NDF:377450.5/6

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

Left In: 23.089+/-0.008 χ^2/NDF:128500.2/5

Left: 23.221+/-0.005 χ^2/NDF: 506574.9/12

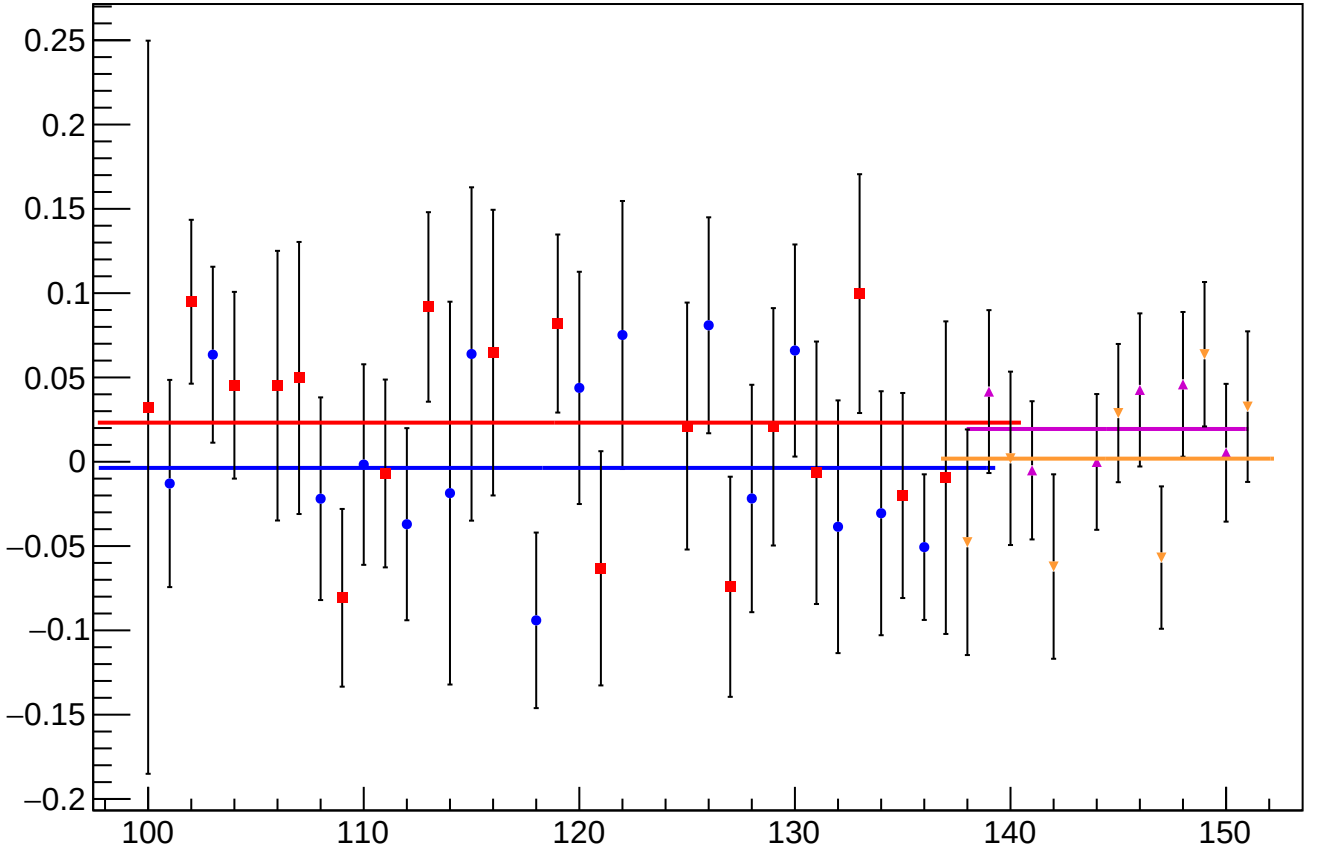
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.174+/-0.005 χ^2/NDF:387957.5/21

Out: 23.580+/-0.005 χ^2/NDF:505040.3/24

All: 23.375+/-0.004 χ^2/NDF: 896316.2/46

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.002+/-0.018 χ^2/NDF:6.8/6

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

Left In: 0.019+/-0.017 χ^2/NDF:1.6/5

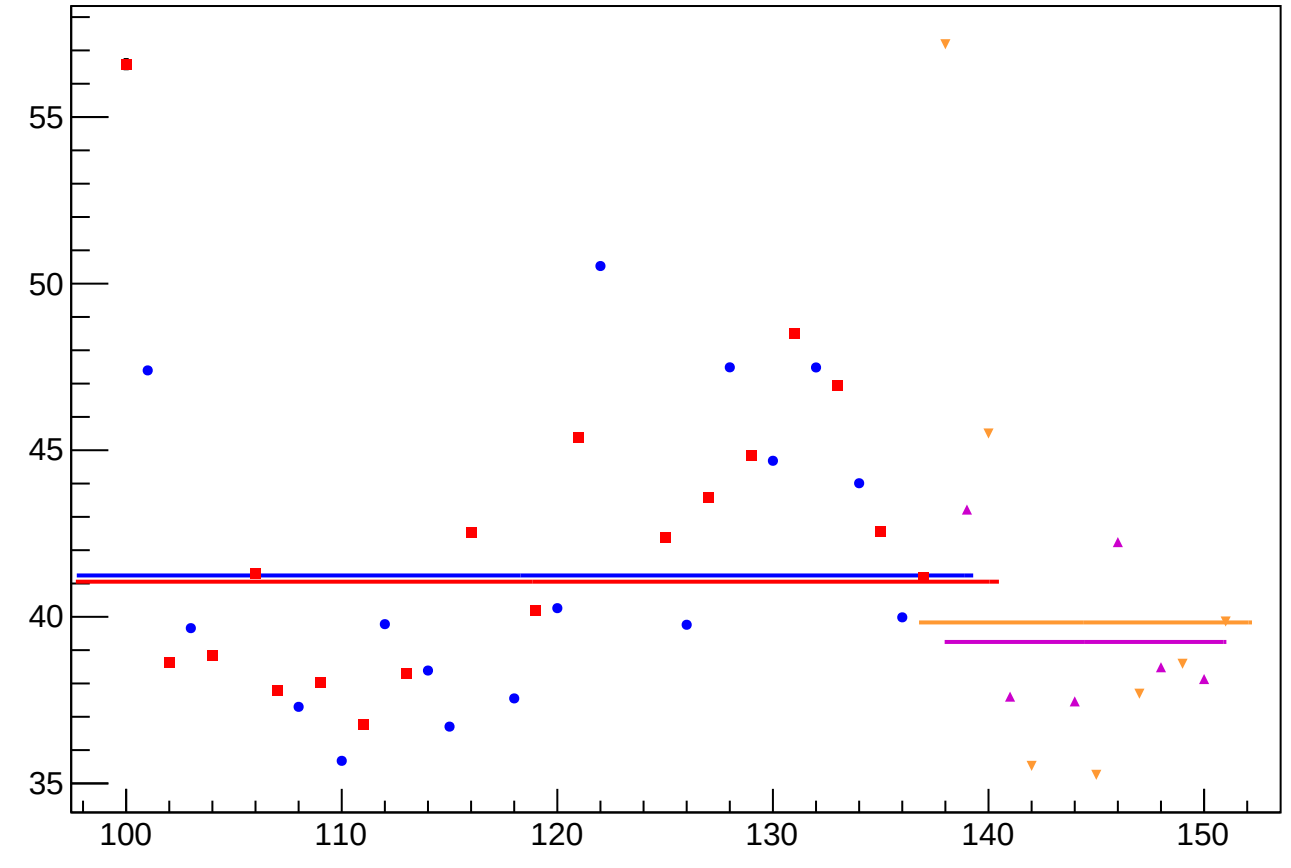
Left: 0.011+/-0.012 χ^2/NDF: 8.9/12

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.007+/-0.012 χ^2/NDF:14.2/21

Out: 0.014+/-0.012 χ^2/NDF:23.1/24

All: 0.010+/-0.008 χ^2/NDF: 37.4/46



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

Left Out: 39.831+/-0.013 χ^2/NDF:202957.3/6

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

Left In: 39.246+/-0.012 χ^2/NDF:31481.9/5

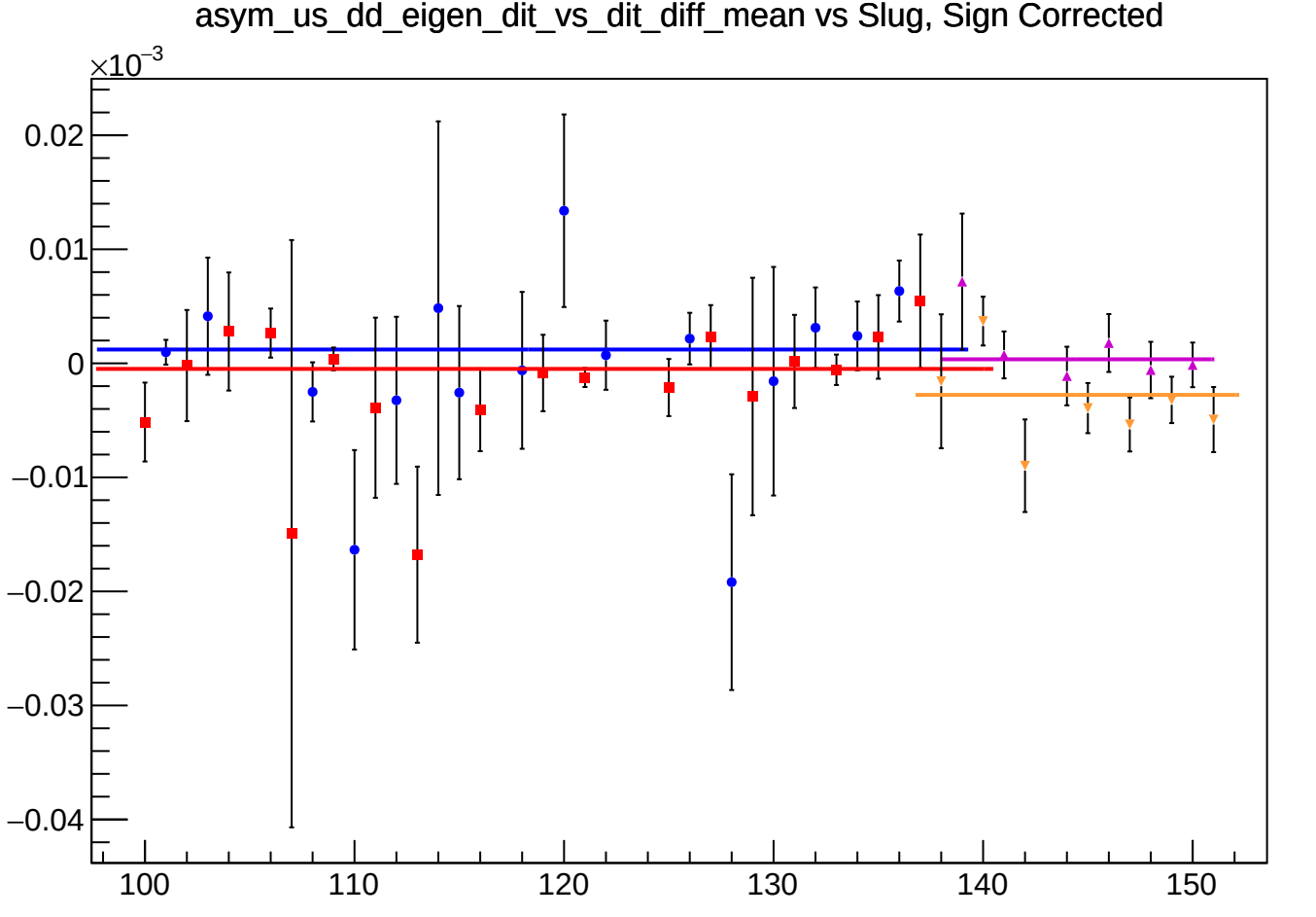
Left: 39.533+/-0.009 χ^2/NDF: 235536.5/12

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

In: 40.349+/-0.008 χ^2/NDF:181148.4/21

Out: 40.529+/-0.008 χ^2/NDF:304870.7/24

All: 40.439+/-0.006 χ^2/NDF: 486254.3/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/6

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

Left In: 0.000+/-0.000 χ^2/NDF:2.2/5

Left: -0.000+/-0.000 χ^2/NDF: 20.8/12

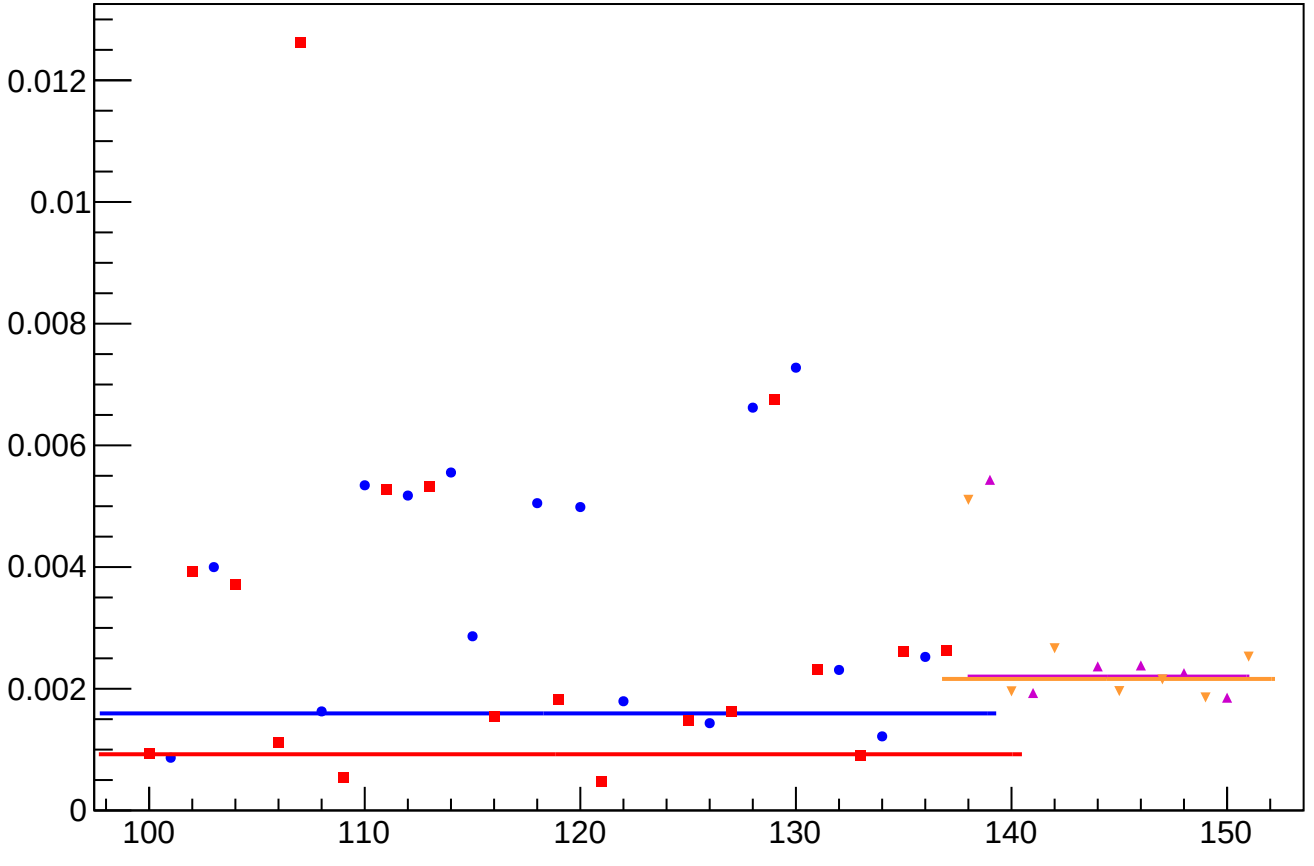
Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:21.0/21

Out: -0.000+/-0.000 χ^2/NDF:32.9/24

All: -0.000+/-0.000 χ^2/NDF: 60.2/46

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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

Left Out: 0.002+/-0.000 χ^2/NDF:646114.4/6

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

Left In: 0.002+/-0.000 χ^2/NDF:704403.5/5

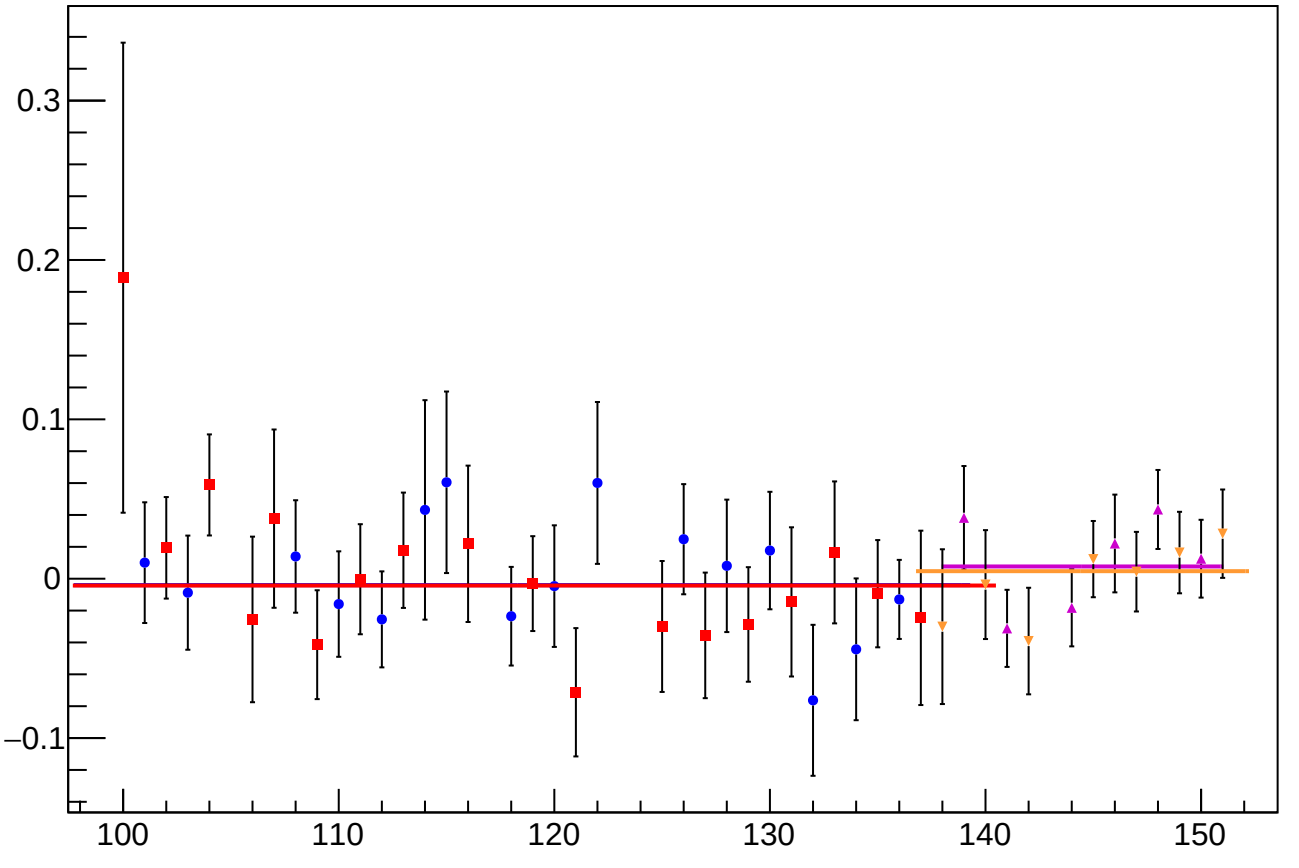
Left: 0.002+/-0.000 χ^2/NDF: 1352029.2/12

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

In: 0.002+/-0.000 χ^2/NDF:5933274.9/21

Out: 0.001+/-0.000 χ^2/NDF:8996054.1/24

All: 0.001+/-0.000 χ^2/NDF: 16364286.7/46



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

Left In: 0.008+/-0.011 χ^2/NDF:7.0/5

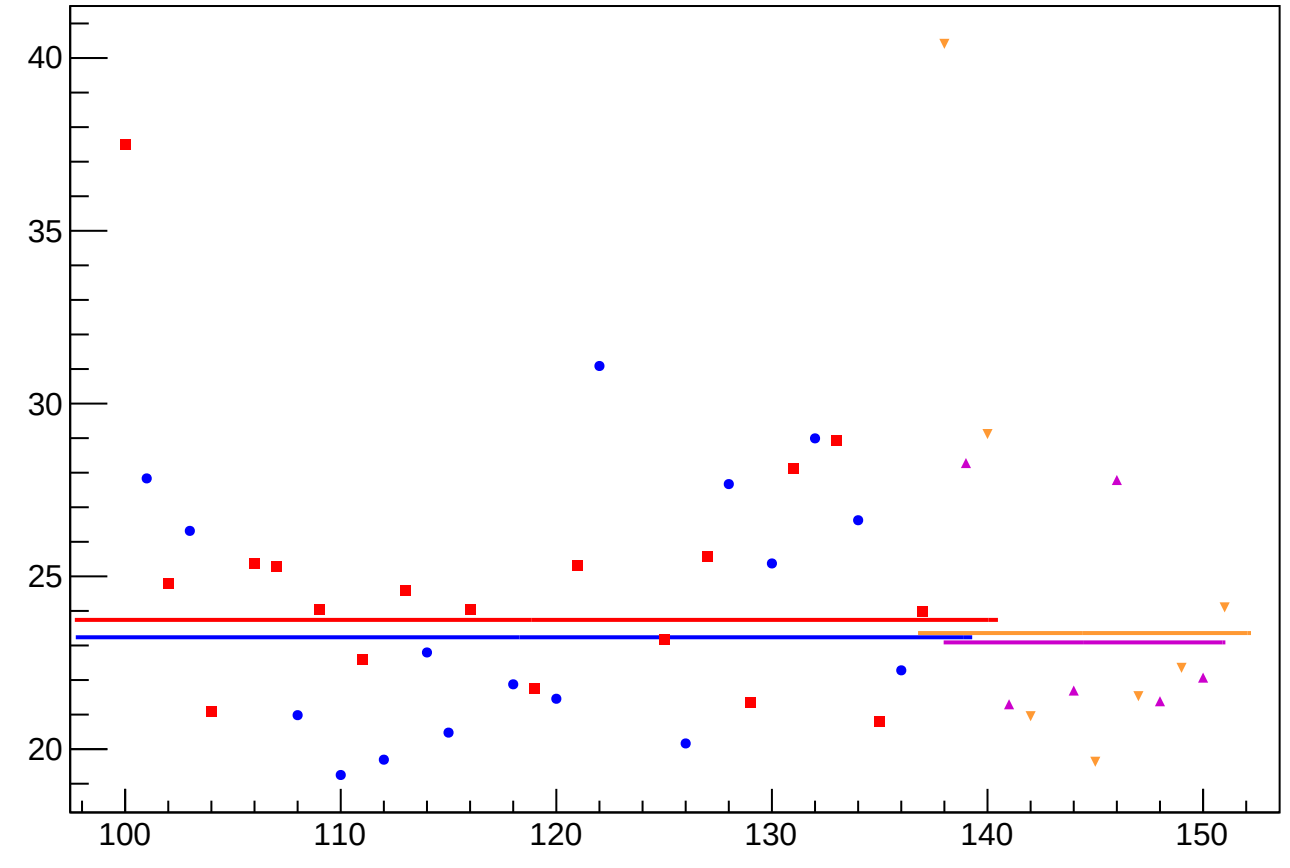
Left: 0.006+/-0.008 χ^2/NDF: 10.3/12

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

In: 0.001+/-0.007 χ^2/NDF:16.8/21

Out: -0.000+/-0.007 χ^2/NDF:17.2/24

All: 0.000+/-0.005 χ^2/NDF: 34.1/46



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

Left Out: 23.359+/-0.008 χ^2/NDF:377444.7/6

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

Left In: 23.089+/-0.008 χ^2/NDF:128513.7/5

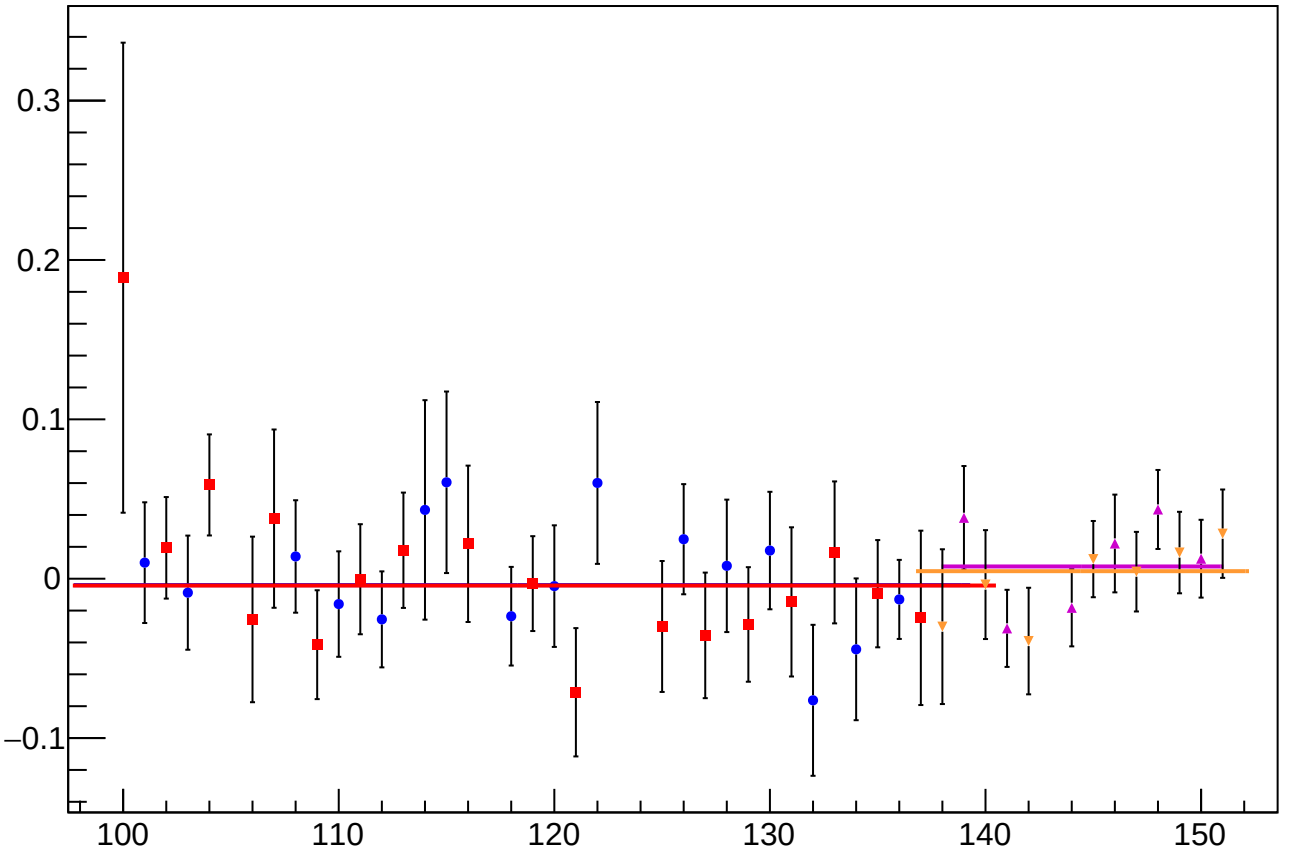
Left: 23.221+/-0.005 χ^2/NDF: 506583.0/12

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

In: 23.174+/-0.005 χ^2/NDF:387957.6/21

Out: 23.580+/-0.005 χ^2/NDF:504984.4/24

All: 23.374+/-0.004 χ^2/NDF: 896269.4/46



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

Left In: 0.008+/-0.011 χ^2/NDF:7.0/5

Left: 0.006+/-0.008 χ^2/NDF: 10.3/12

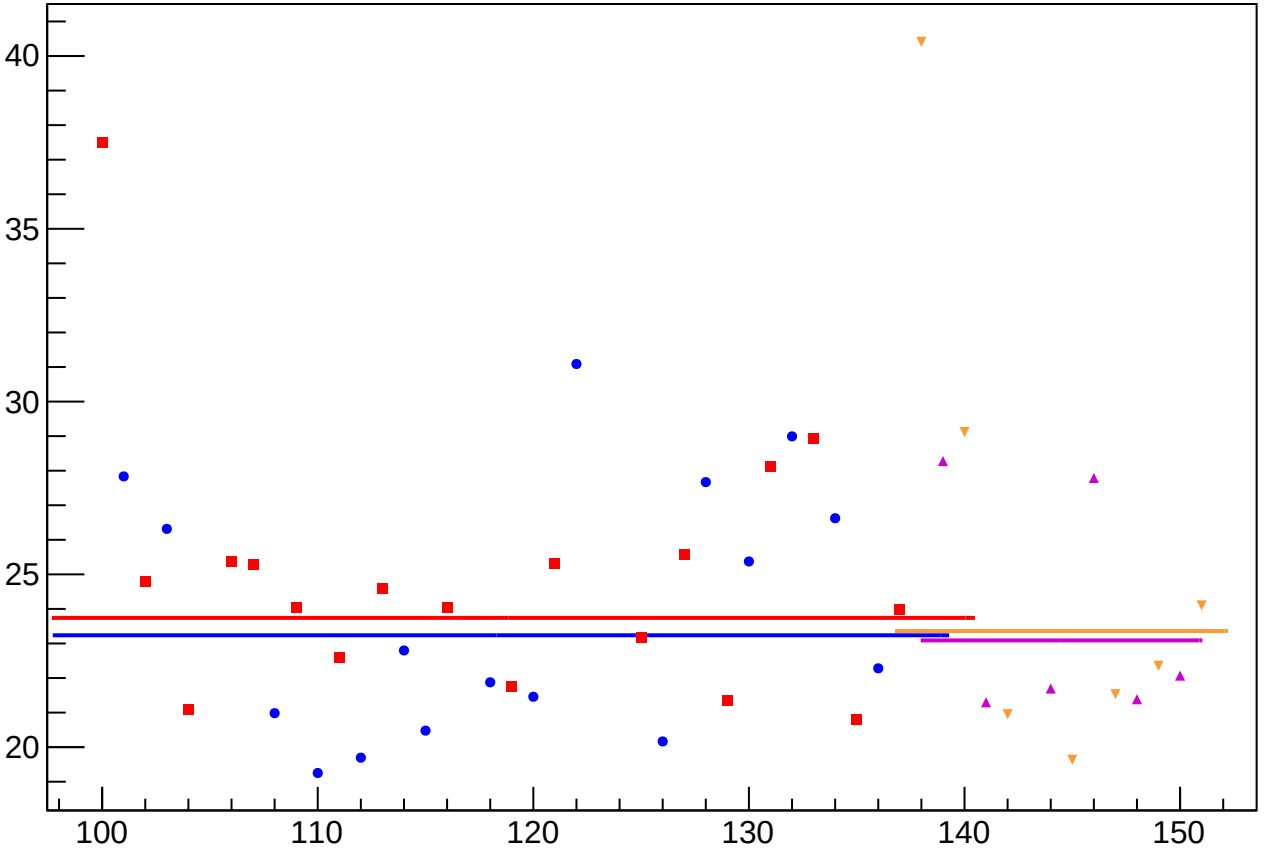
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.001+/-0.007 χ^2/NDF:16.8/21

Out: -0.000+/-0.007 χ^2/NDF:17.2/24

All: 0.000+/-0.005 χ^2/NDF: 34.1/46

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 23.359+/-0.008 χ^2/NDF:377444.7/6

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

Left In: 23.089+/-0.008 χ^2/NDF:128513.7/5

Left: 23.221+/-0.005 χ^2/NDF: 506583.0/12

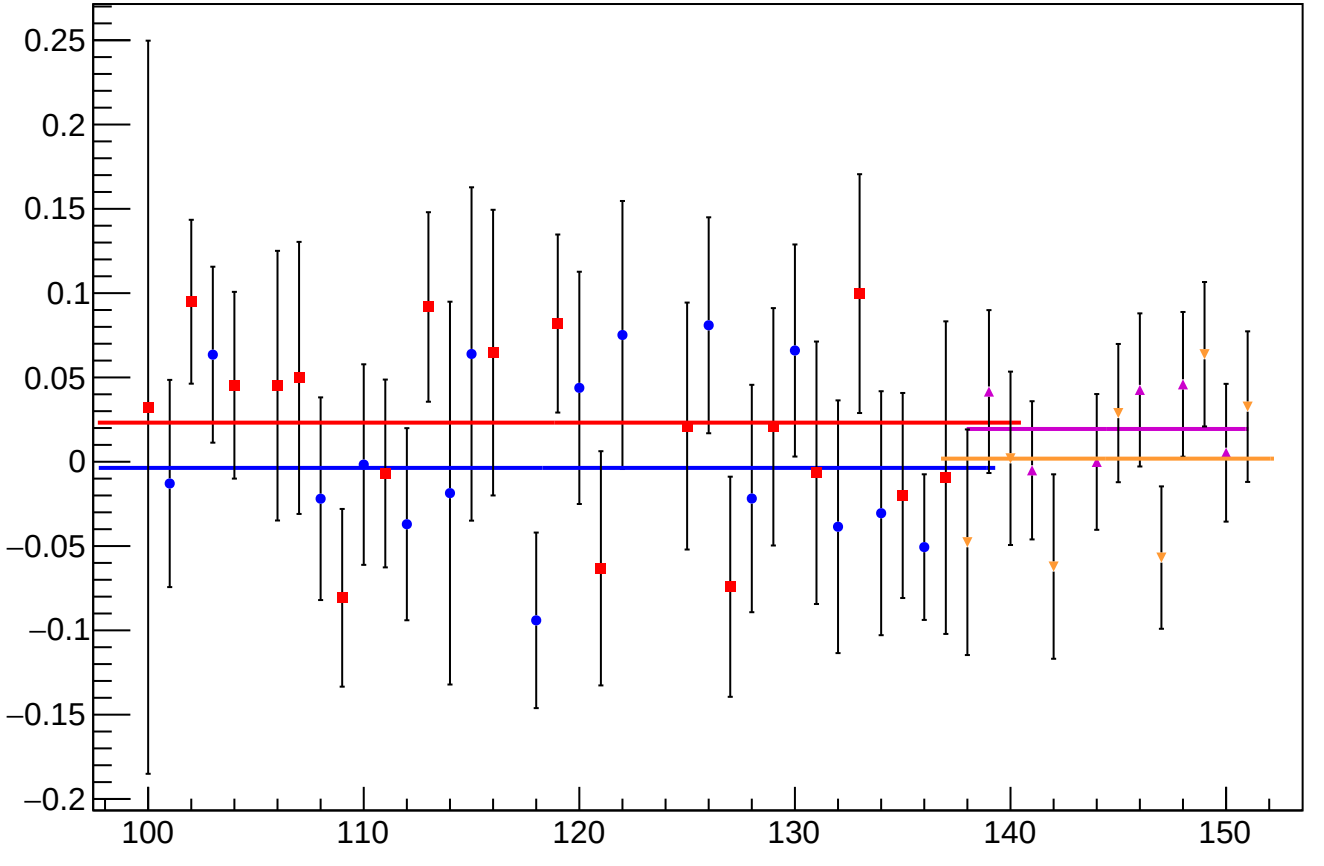
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.174+/-0.005 χ^2/NDF:387957.6/21

Out: 23.580+/-0.005 χ^2/NDF:504984.4/24

All: 23.374+/-0.004 χ^2/NDF: 896269.4/46

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.002+/-0.018 χ^2/NDF:6.8/6

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

Left In: 0.019+/-0.017 χ^2/NDF:1.6/5

Left: 0.011+/-0.012 χ^2/NDF: 8.9/12

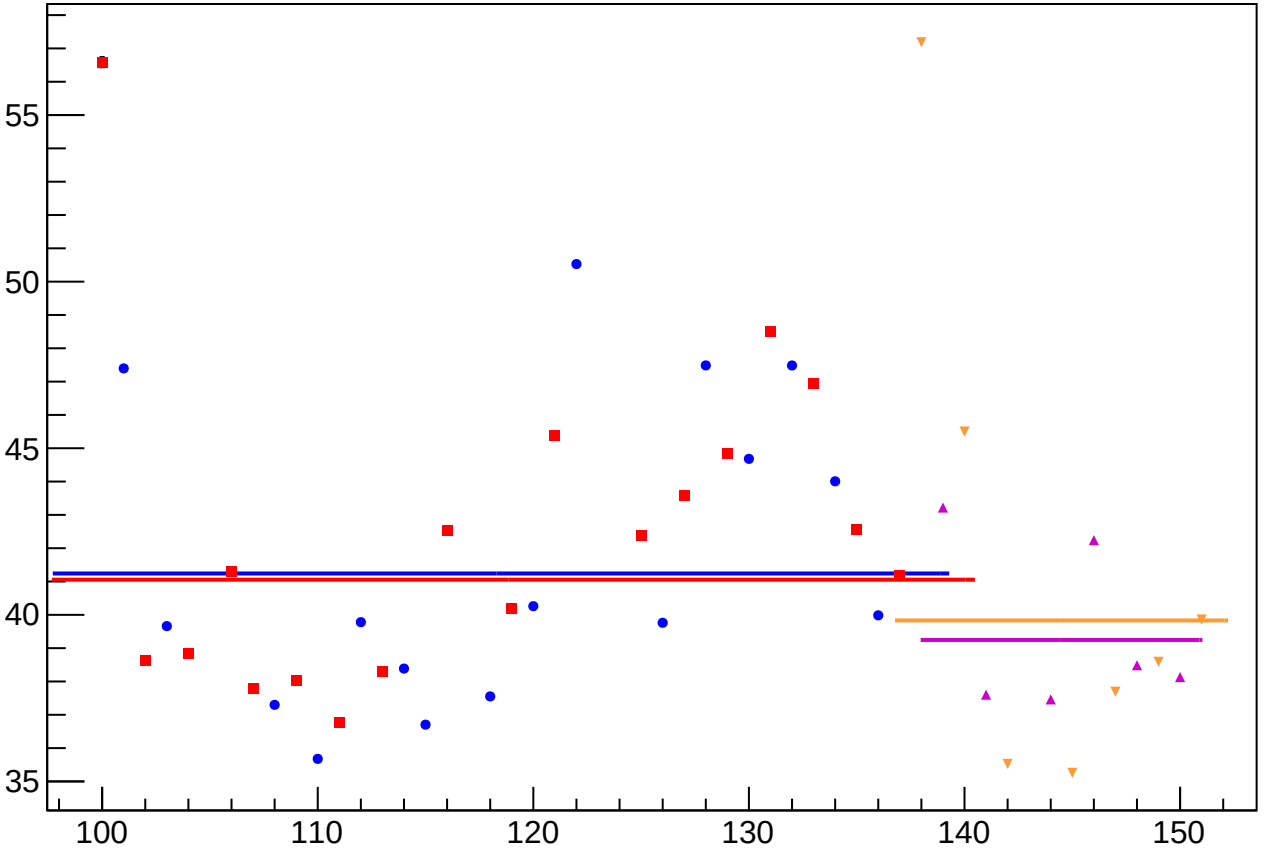
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.007+/-0.012 χ^2/NDF:14.2/21

Out: 0.014+/-0.012 χ^2/NDF:23.1/24

All: 0.010+/-0.008 χ^2/NDF: 37.4/46

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 39.832+/-0.013 χ^2/NDF:202957.0/6

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

Left In: 39.246+/-0.012 χ^2/NDF:31487.4/5

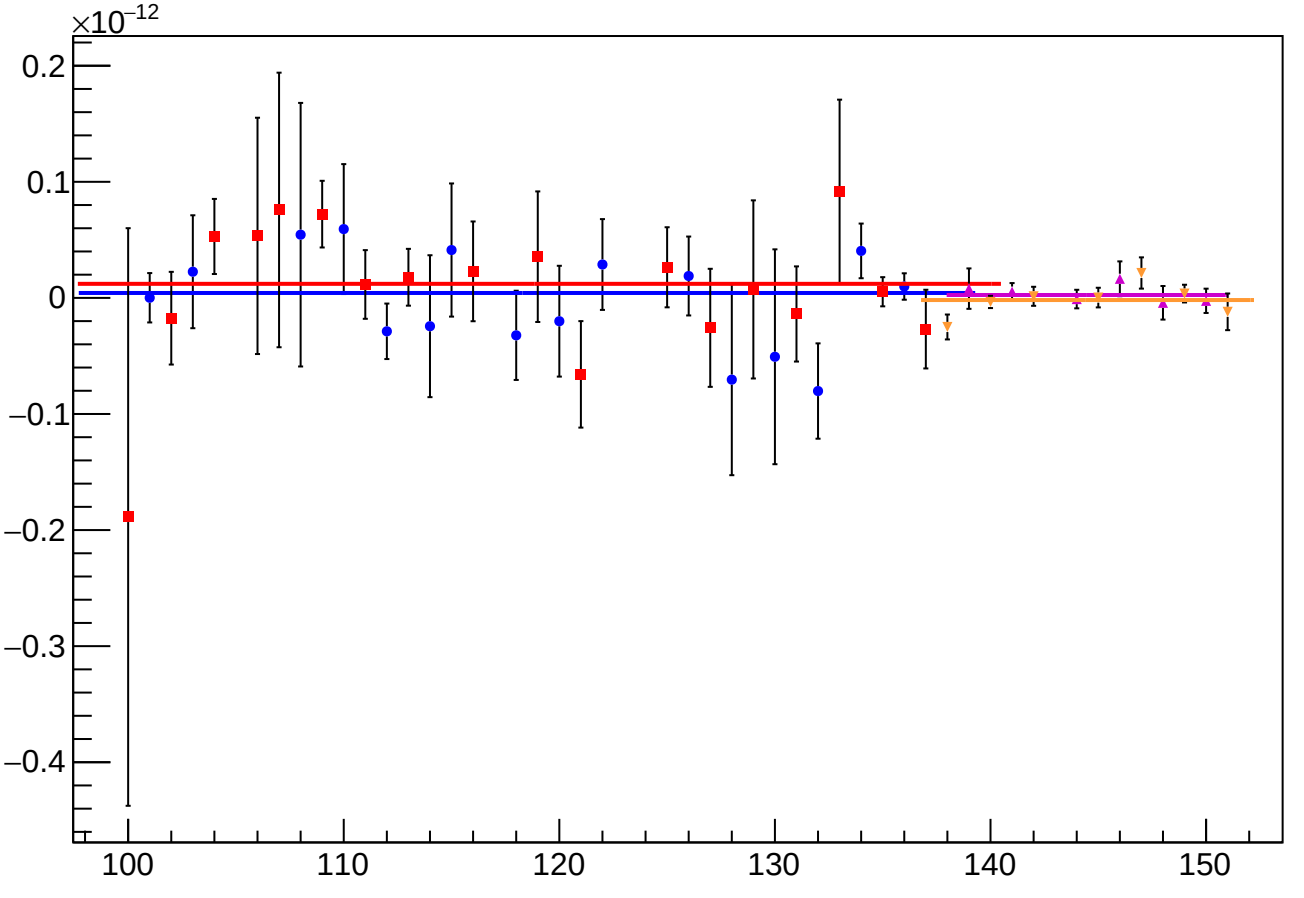
Left: 39.533+/-0.009 χ^2/NDF: 235541.6/12

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

In: 40.349+/-0.008 χ^2/NDF:181127.5/21

Out: 40.529+/-0.008 χ^2/NDF:304858.4/24

All: 40.439+/-0.006 χ^2/NDF: 486221.5/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/6

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

Left In: 0.000+/-0.000 χ^2/NDF:1.8/5

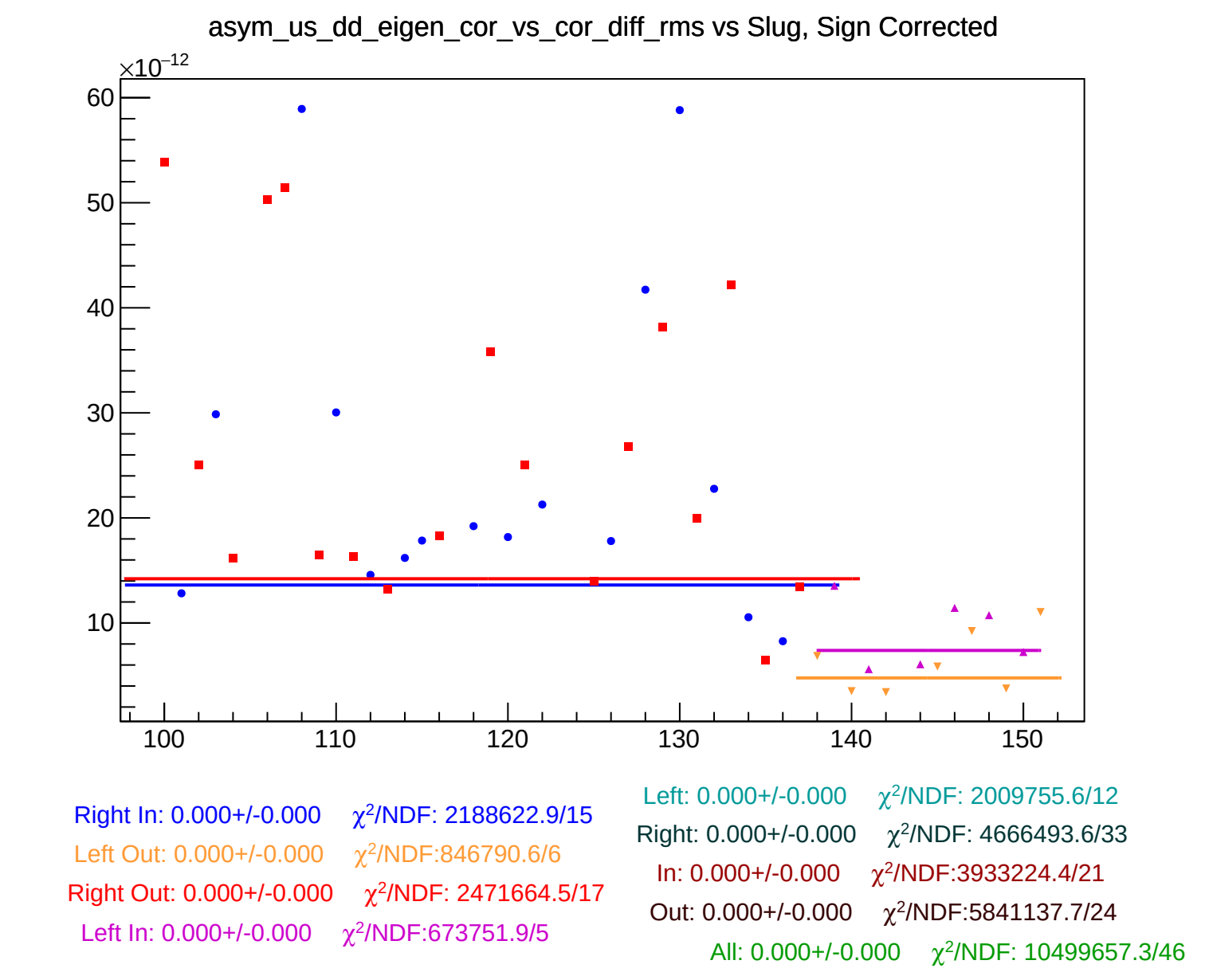
Left: -0.000+/-0.000 χ^2/NDF: 11.4/12

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

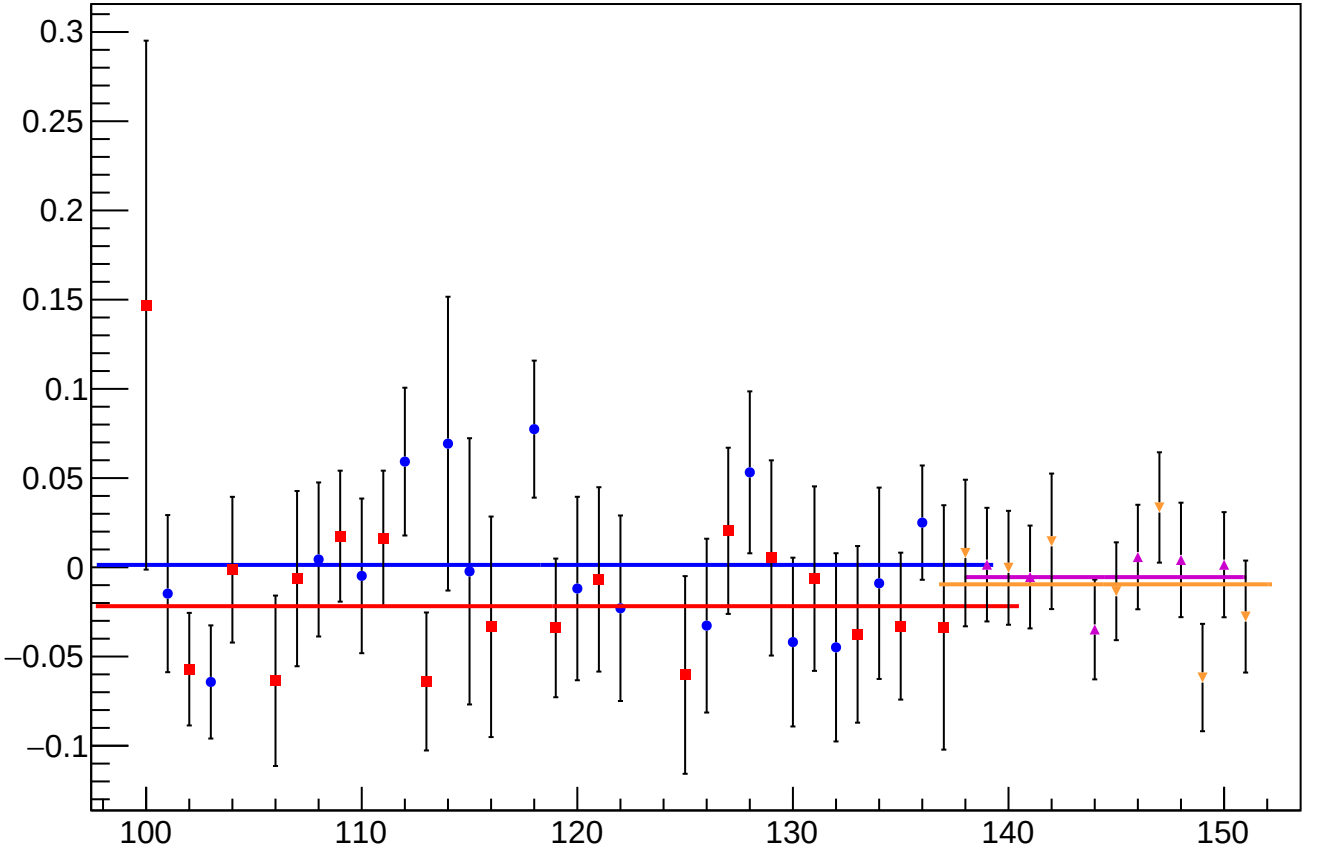
In: 0.000+/-0.000 χ^2/NDF:15.4/21

Out: 0.000+/-0.000 χ^2/NDF:26.2/24

All: 0.000+/-0.000 χ^2/NDF: 42.0/46


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:846790.6/6
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:673751.9/5
Left: 0.000+/-0.000 χ²/NDF: 2009755.6/12
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:3933224.4/21
Out: 0.000+/-0.000 χ²/NDF:5841137.7/24
All: 0.000+/-0.000 χ²/NDF: 10499657.3/46

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: -0.010+/-0.012 χ^2/NDF:6.0/6

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

Left In: -0.005+/-0.012 χ^2/NDF:1.4/5

Left: -0.008+/-0.009 χ^2/NDF: 7.5/12

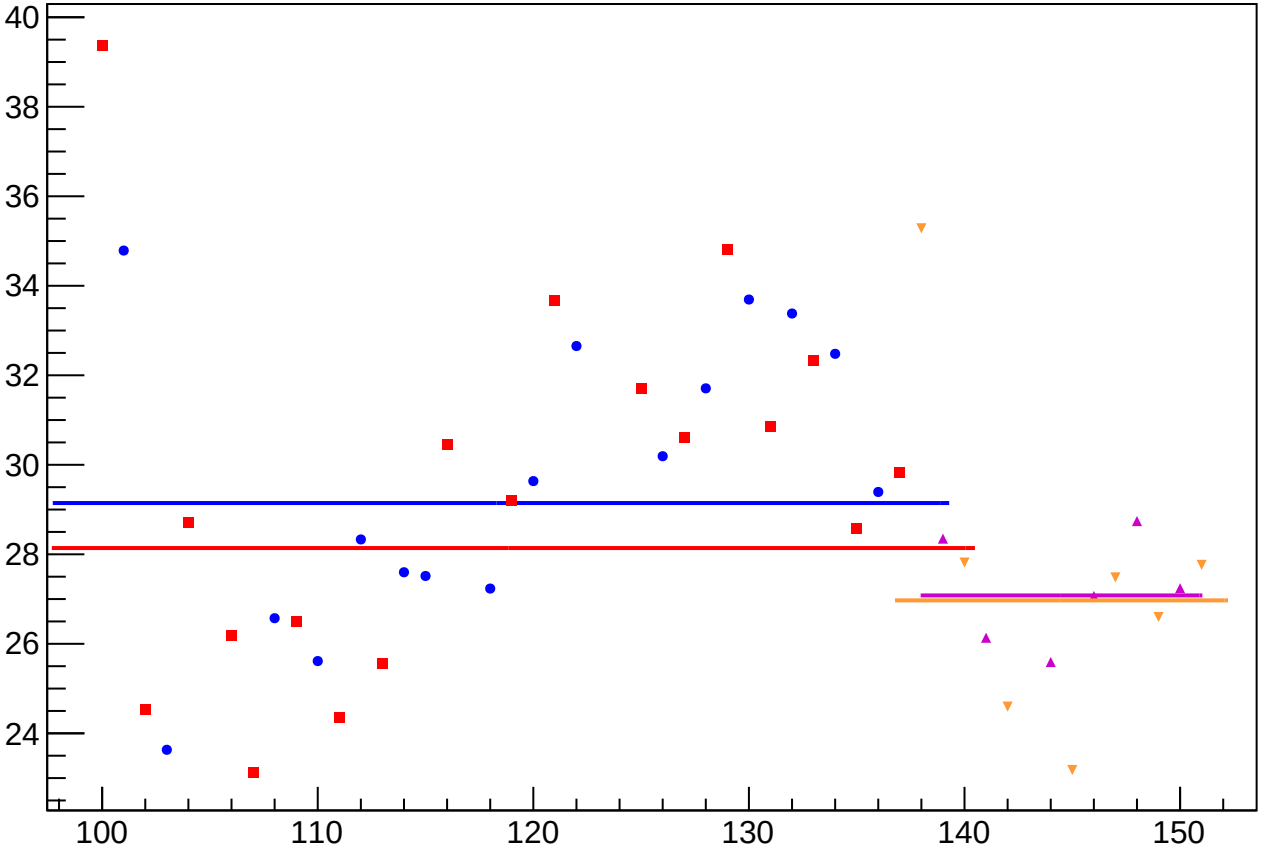
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: -0.002+/-0.008 χ^2/NDF:16.9/21

Out: -0.016+/-0.008 χ^2/NDF:15.6/24

All: -0.009+/-0.006 χ^2/NDF: 34.1/46

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: 26.971+/-0.009 χ^2/NDF:131539.7/6

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

Left In: 27.081+/-0.009 χ^2/NDF:16403.3/5

Left: 27.026+/-0.006 χ^2/NDF: 148025.4/12

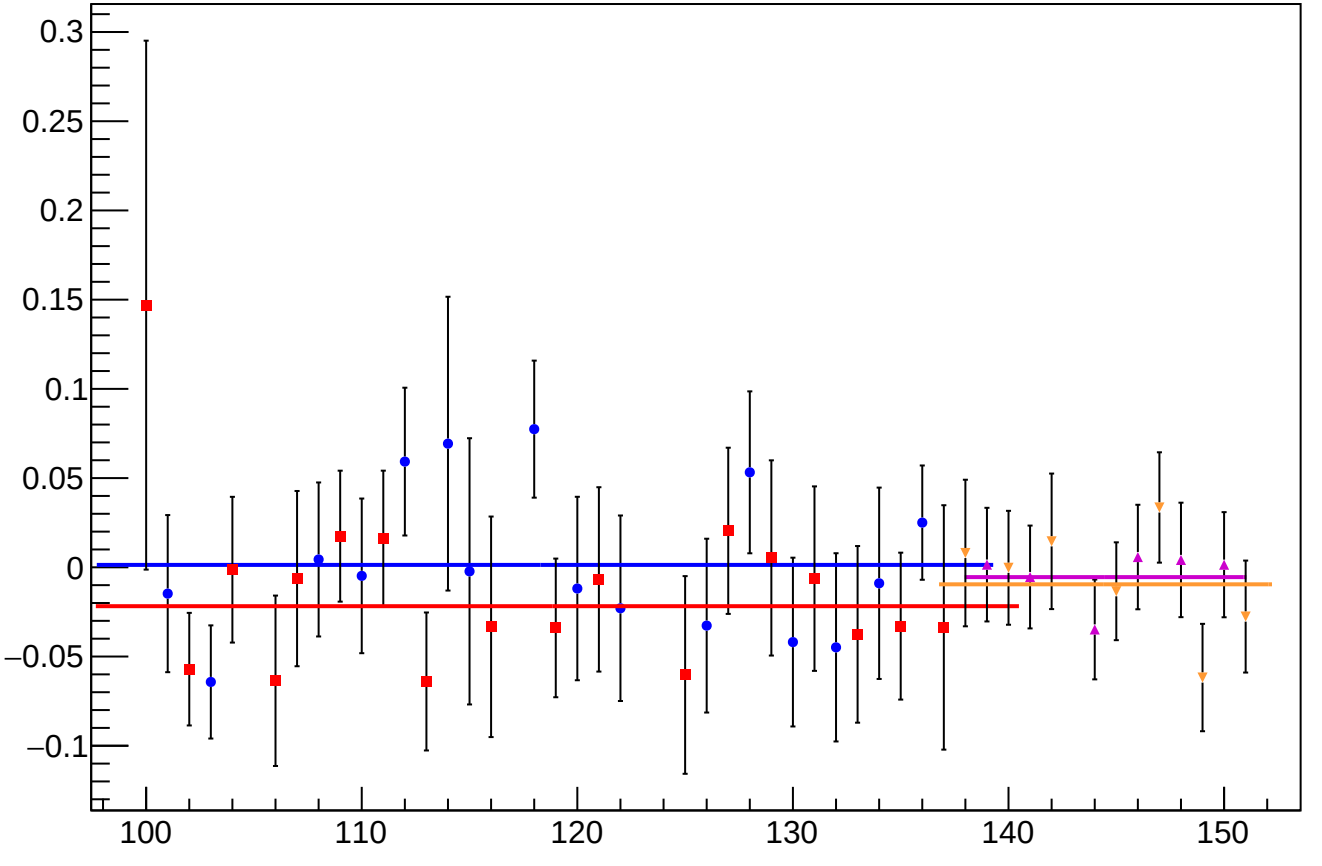
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.197+/-0.006 χ^2/NDF:224439.4/21

Out: 27.625+/-0.006 χ^2/NDF:329001.9/24

All: 27.905+/-0.004 χ^2/NDF: 558356.9/46

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: -0.010+/-0.012 χ^2/NDF:6.0/6

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

Left In: -0.005+/-0.012 χ^2/NDF:1.4/5

Left: -0.008+/-0.009 χ^2/NDF: 7.5/12

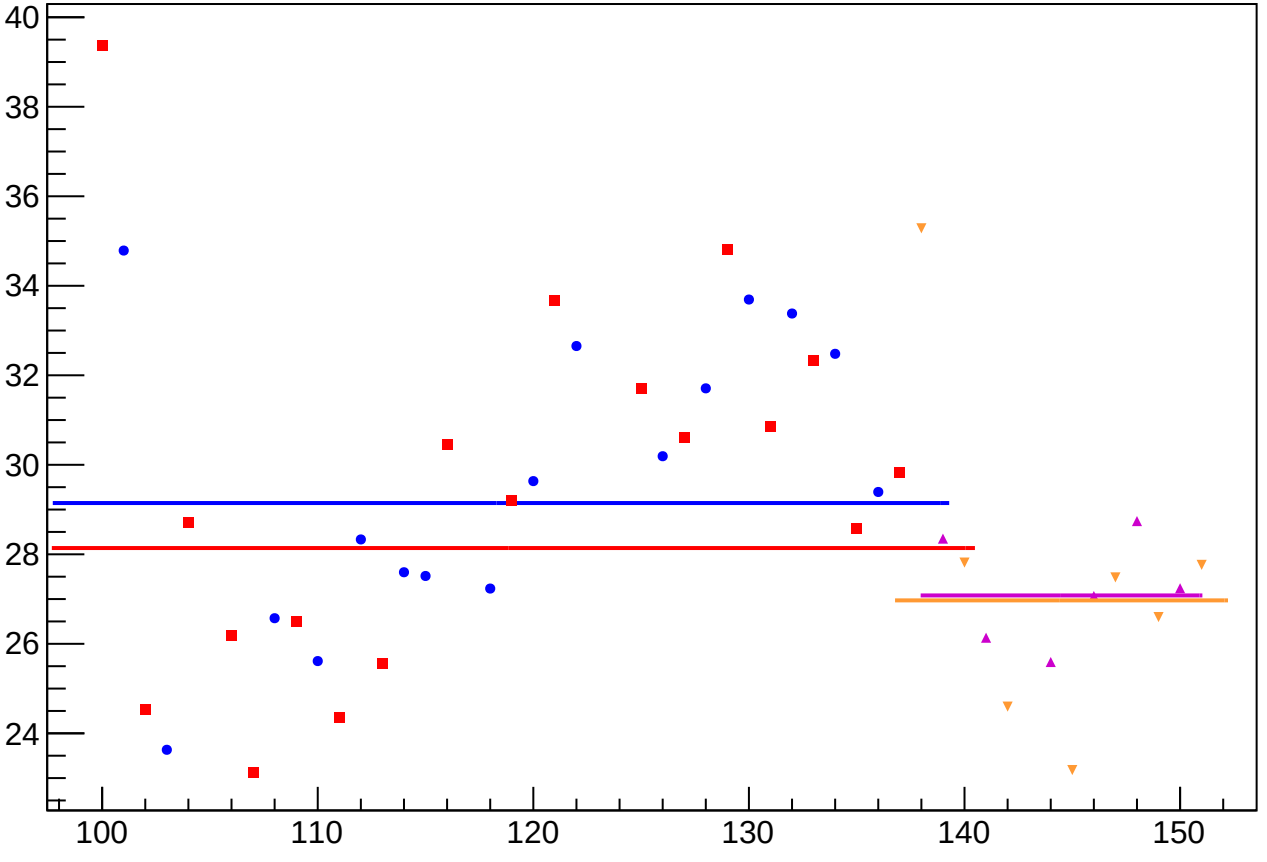
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: -0.002+/-0.008 χ^2/NDF:16.9/21

Out: -0.016+/-0.008 χ^2/NDF:15.6/24

All: -0.009+/-0.006 χ^2/NDF: 34.1/46

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: 26.971+/-0.009 χ^2/NDF:131539.7/6

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

Left In: 27.081+/-0.009 χ^2/NDF:16403.3/5

Left: 27.026+/-0.006 χ^2/NDF: 148025.4/12

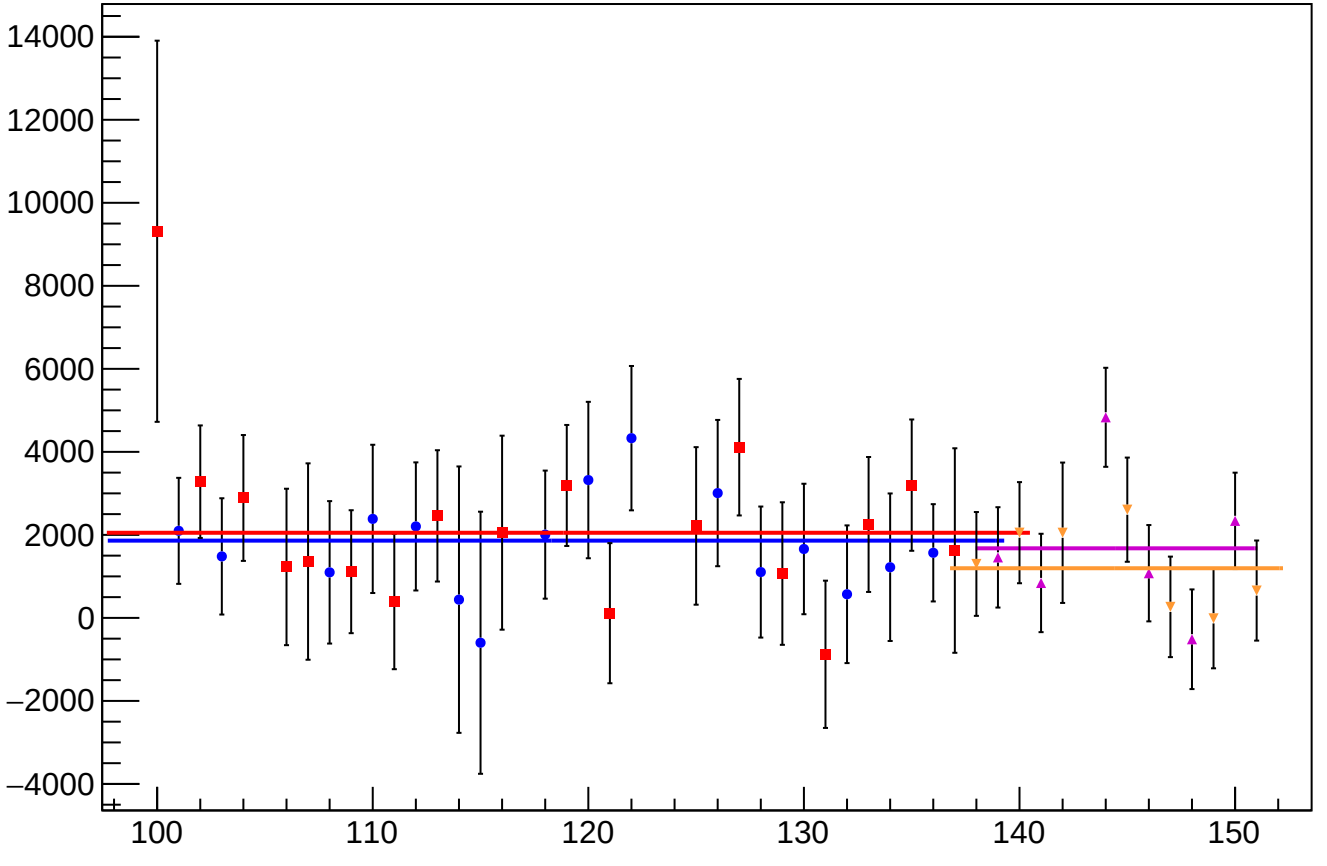
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.197+/-0.006 χ^2/NDF:224439.4/21

Out: 27.625+/-0.006 χ^2/NDF:329001.9/24

All: 27.905+/-0.004 χ^2/NDF: 558356.9/46

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1196.401+/-479.026 χ^2/NDF:3.8/6

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

Left In: 1676.316+/-483.482 χ^2/NDF:11.5/5

Left: 1434.136+/-340.287 χ^2/NDF: 15.8/12

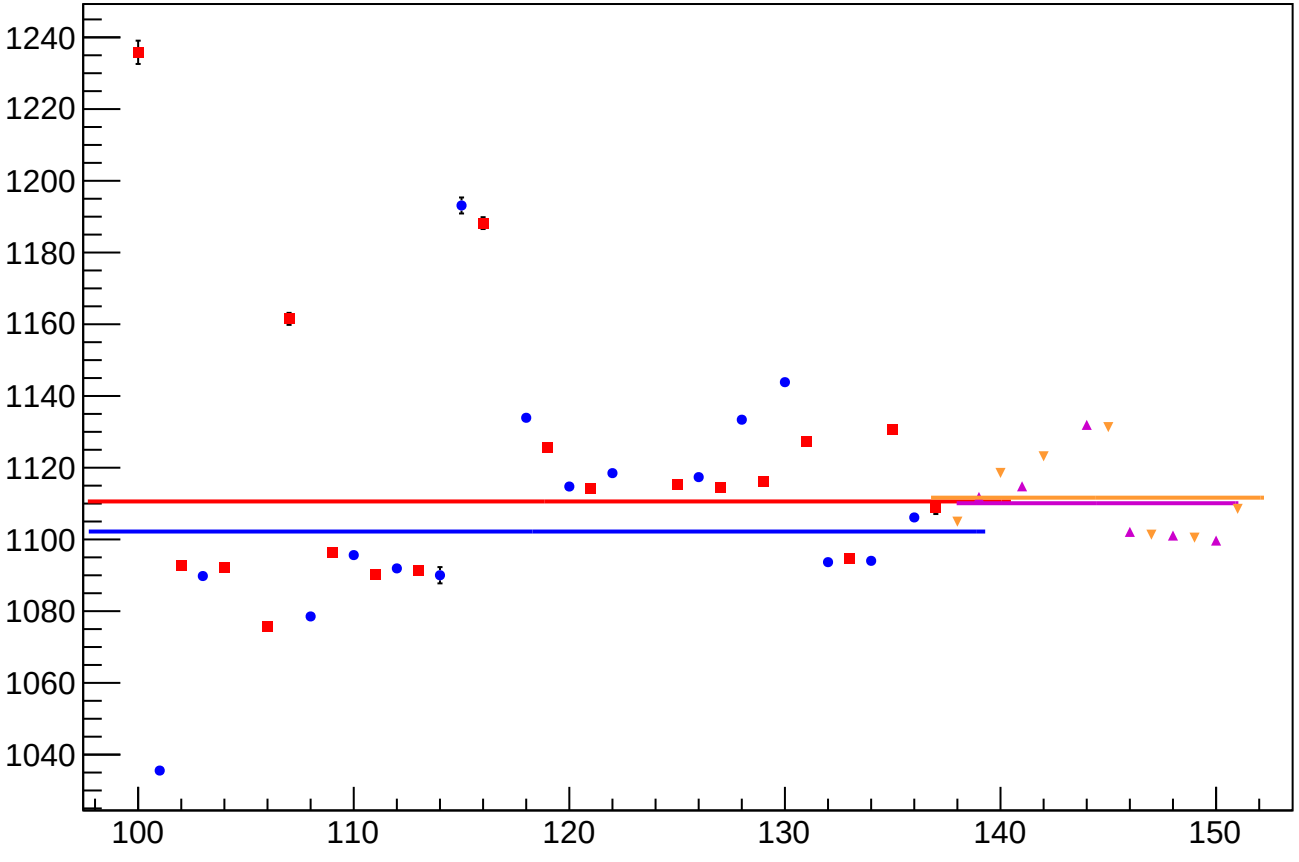
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1784.155+/-312.490 χ^2/NDF:16.9/21

Out: 1690.329+/-311.156 χ^2/NDF:18.2/24

All: 1737.041+/-220.491 χ^2/NDF: 35.1/46

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1111.647+/-0.339 χ^2/NDF:1036.0/6

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

Left In: 1110.097+/-0.342 χ^2/NDF:1075.3/5

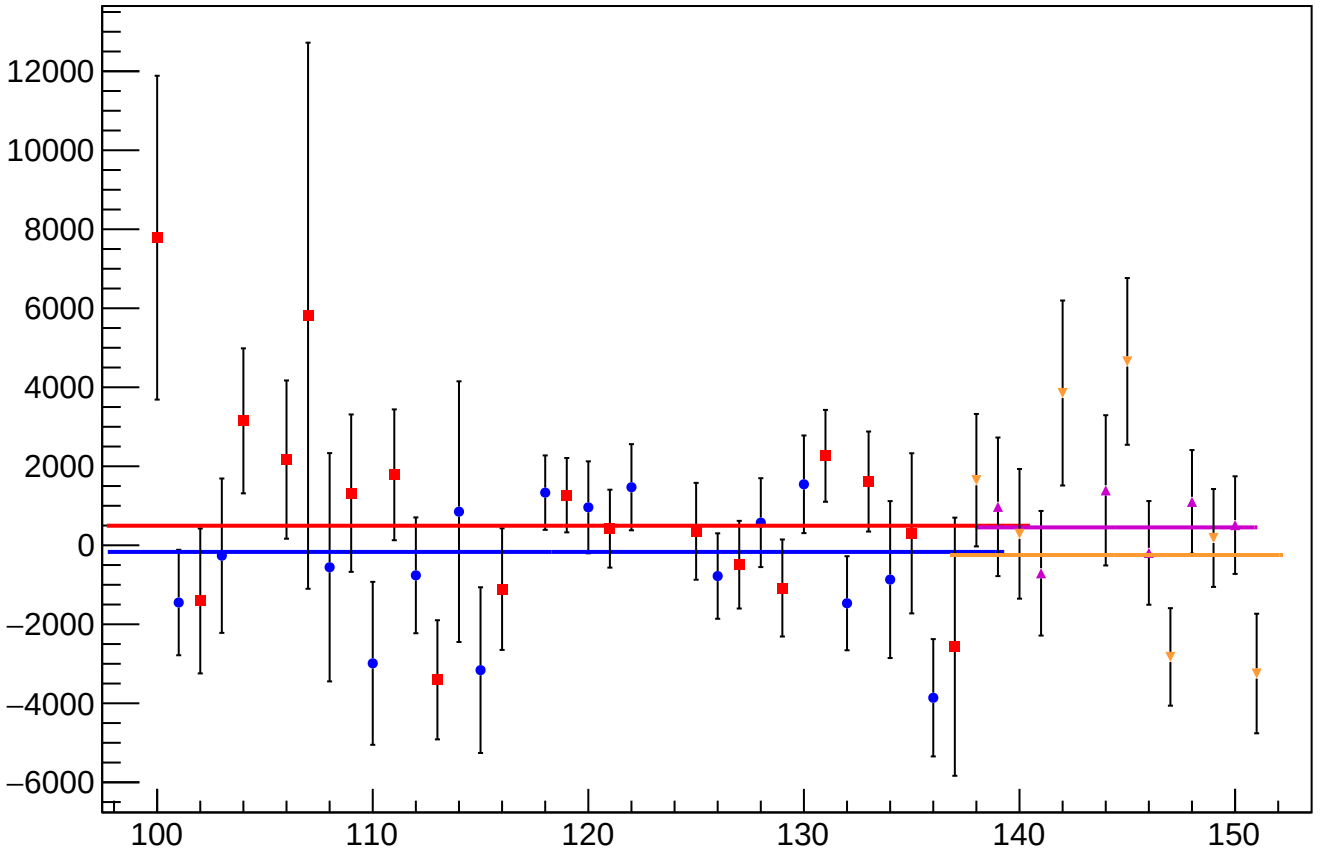
Left: 1110.879+/-0.241 χ^2/NDF: 2121.7/12

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

In: 1105.502+/-0.221 χ^2/NDF:12734.5/21

Out: 1111.037+/-0.220 χ^2/NDF:8737.7/24

All: 1108.281+/-0.156 χ^2/NDF: 21787.3/46



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

Left Out: -246.146+/-589.467 χ^2/NDF:18.3/6

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

Left In: 453.249+/-595.458 χ^2/NDF:1.4/5

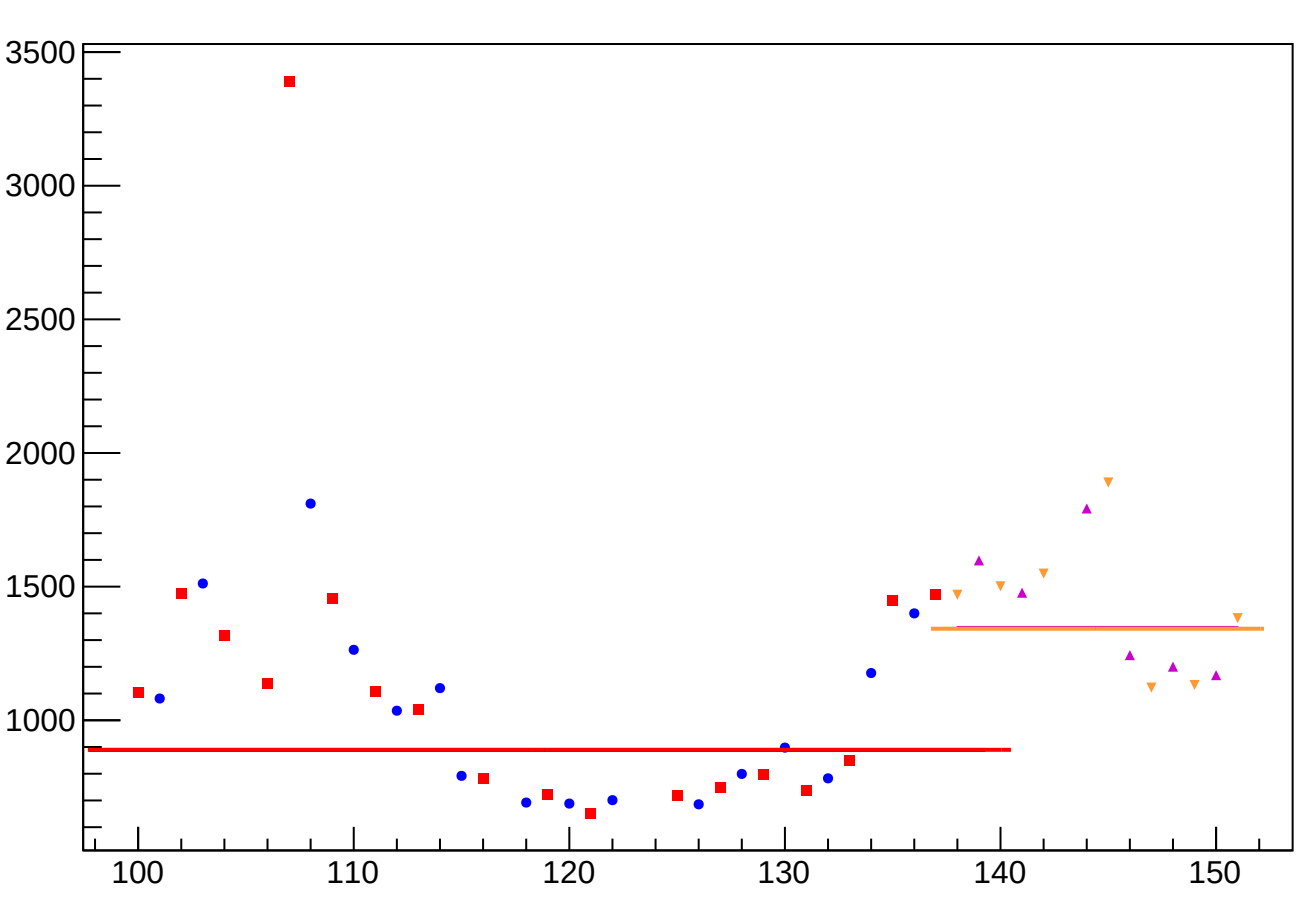
Left: 100.016+/-418.918 χ^2/NDF: 20.3/12

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

In: -11.486+/-298.801 χ^2/NDF:23.2/21

Out: 305.983+/-297.787 χ^2/NDF:42.7/24

All: 147.788+/-210.925 χ^2/NDF: 66.5/46



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

Left Out: 1342.545+/-0.417 χ^2/NDF:302806.2/6

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

Left In: 1345.431+/-0.421 χ^2/NDF:243284.3/5

Left: 1343.974+/-0.296 χ^2/NDF: 546114.2/12

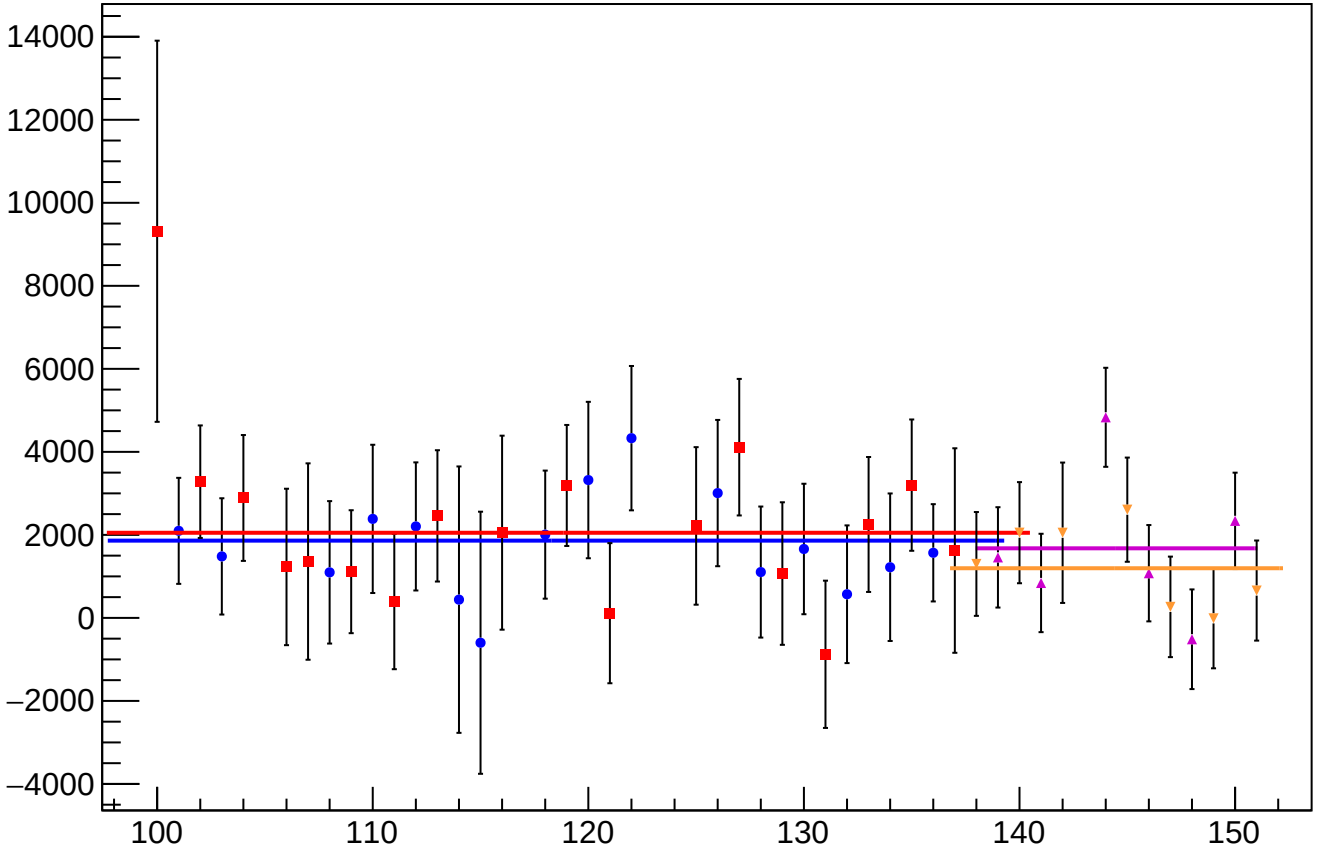
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1003.898+/-0.211 χ^2/NDF:2255432.0/21

Out: 1005.104+/-0.211 χ^2/NDF:2528534.9/24

All: 1004.503+/-0.149 χ^2/NDF: 4783983.2/46

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1196.401+/-479.026 χ^2/NDF:3.8/6

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

Left In: 1676.316+/-483.482 χ^2/NDF:11.5/5

Left: 1434.136+/-340.287 χ^2/NDF: 15.8/12

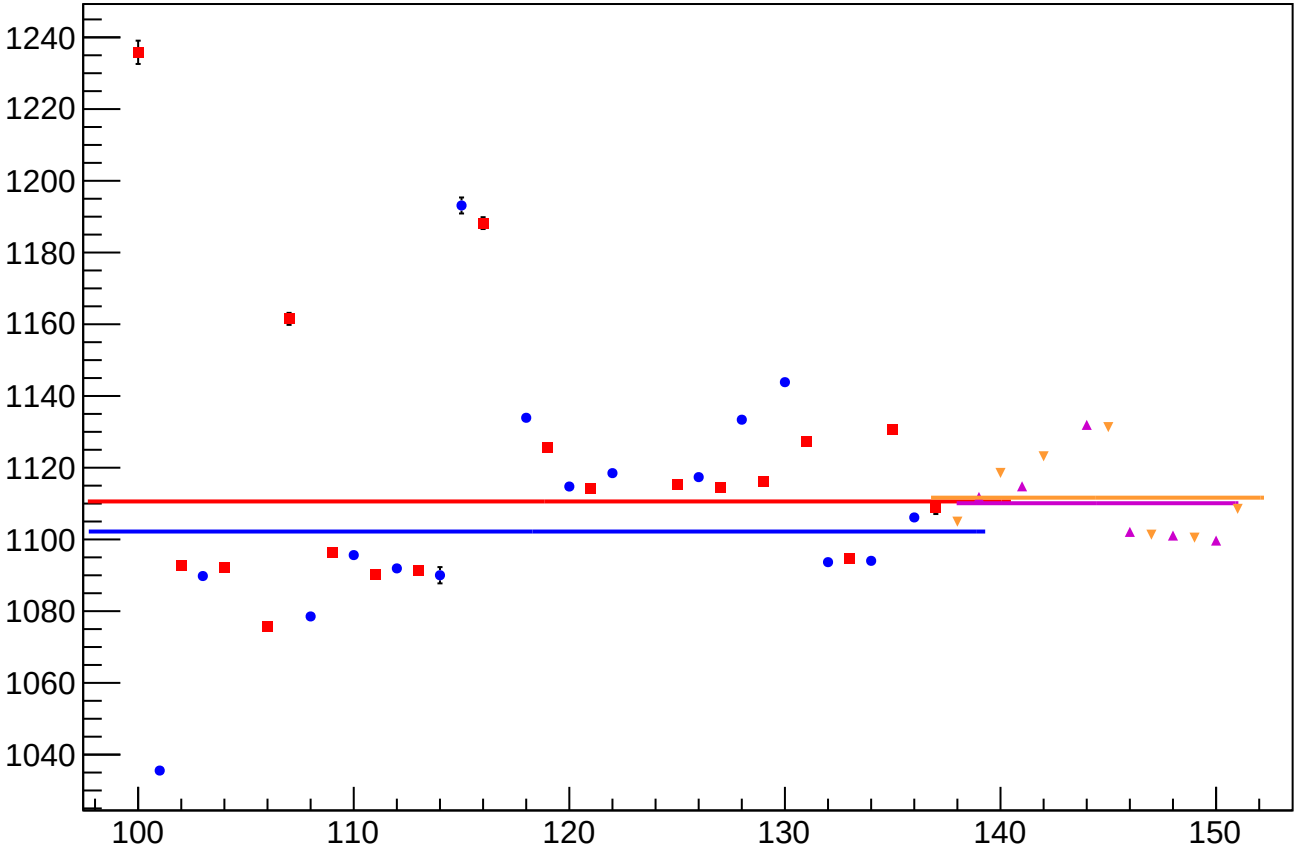
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1784.155+/-312.490 χ^2/NDF:16.9/21

Out: 1690.329+/-311.156 χ^2/NDF:18.2/24

All: 1737.041+/-220.491 χ^2/NDF: 35.1/46

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1111.647+/-0.339 χ^2/NDF:1036.0/6

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

Left In: 1110.097+/-0.342 χ^2/NDF:1075.3/5

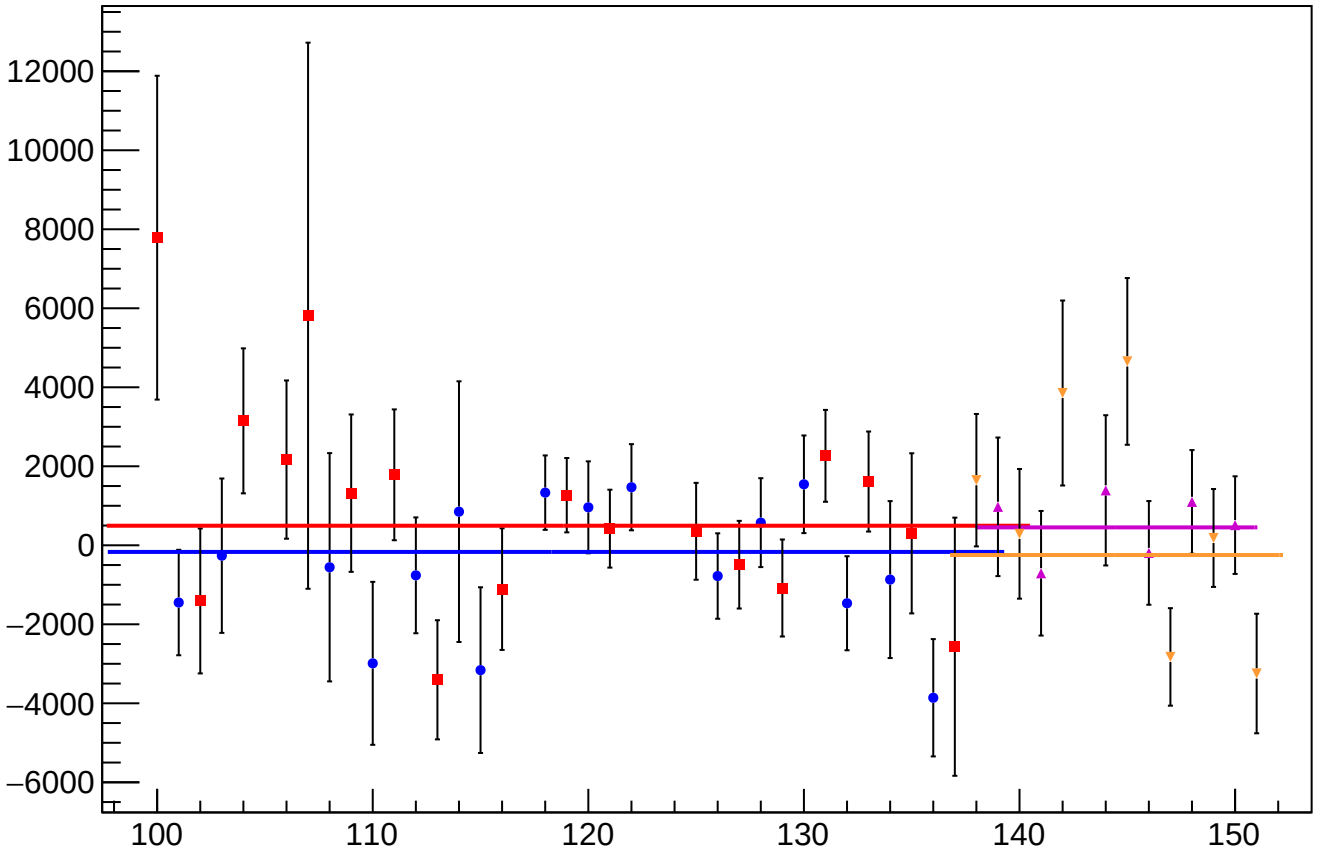
Left: 1110.879+/-0.241 χ^2/NDF: 2121.7/12

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

In: 1105.502+/-0.221 χ^2/NDF:12734.5/21

Out: 1111.037+/-0.220 χ^2/NDF:8737.7/24

All: 1108.281+/-0.156 χ^2/NDF: 21787.3/46



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

Left Out: -246.146+/-589.467 χ^2/NDF:18.3/6

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

Left In: 453.249+/-595.458 χ^2/NDF:1.4/5

Left: 100.016+/-418.918 χ^2/NDF: 20.3/12

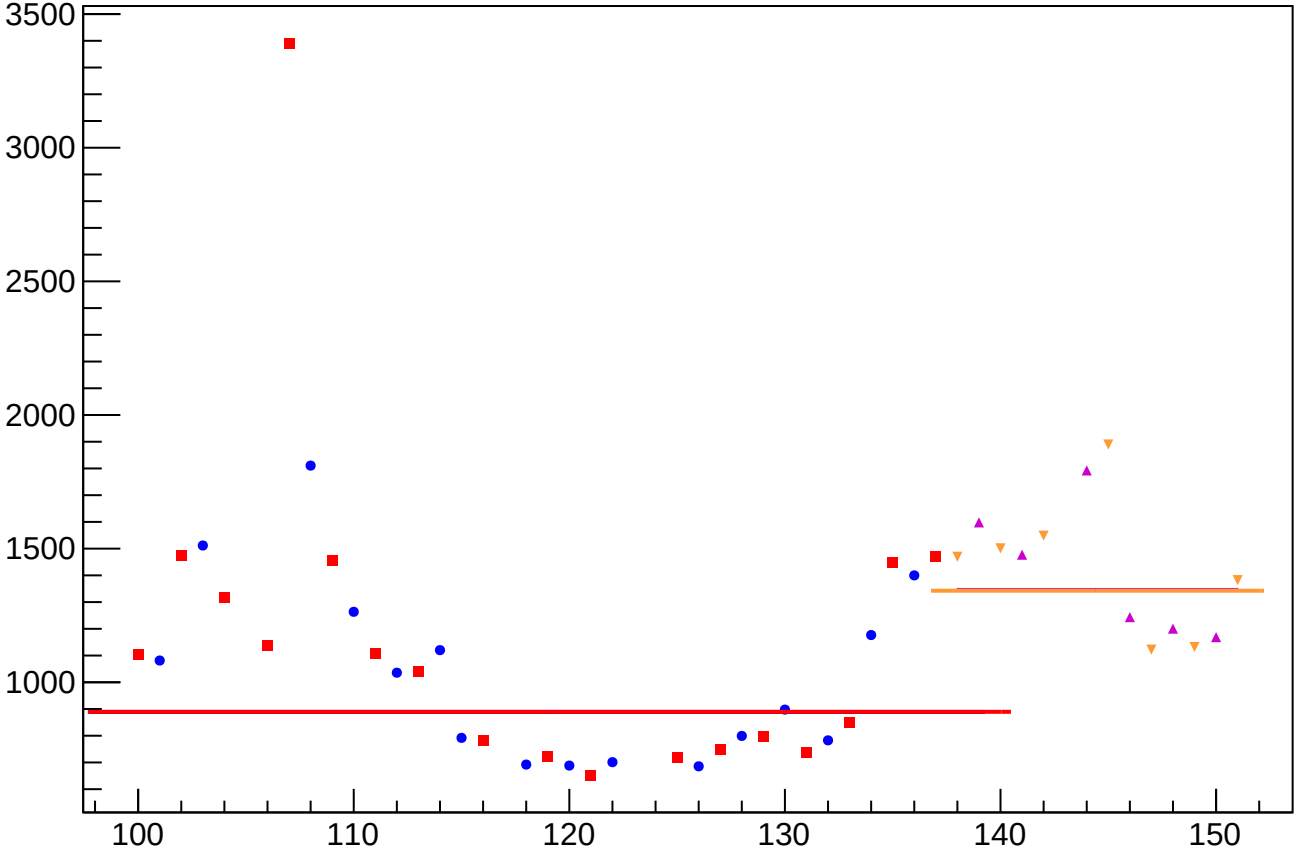
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -11.486+/-298.801 χ^2/NDF:23.2/21

Out: 305.983+/-297.787 χ^2/NDF:42.7/24

All: 147.788+/-210.925 χ^2/NDF: 66.5/46

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1342.545+/-0.417 χ^2/NDF:302806.2/6

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

Left In: 1345.431+/-0.421 χ^2/NDF:243284.3/5

Left: 1343.974+/-0.296 χ^2/NDF: 546114.2/12

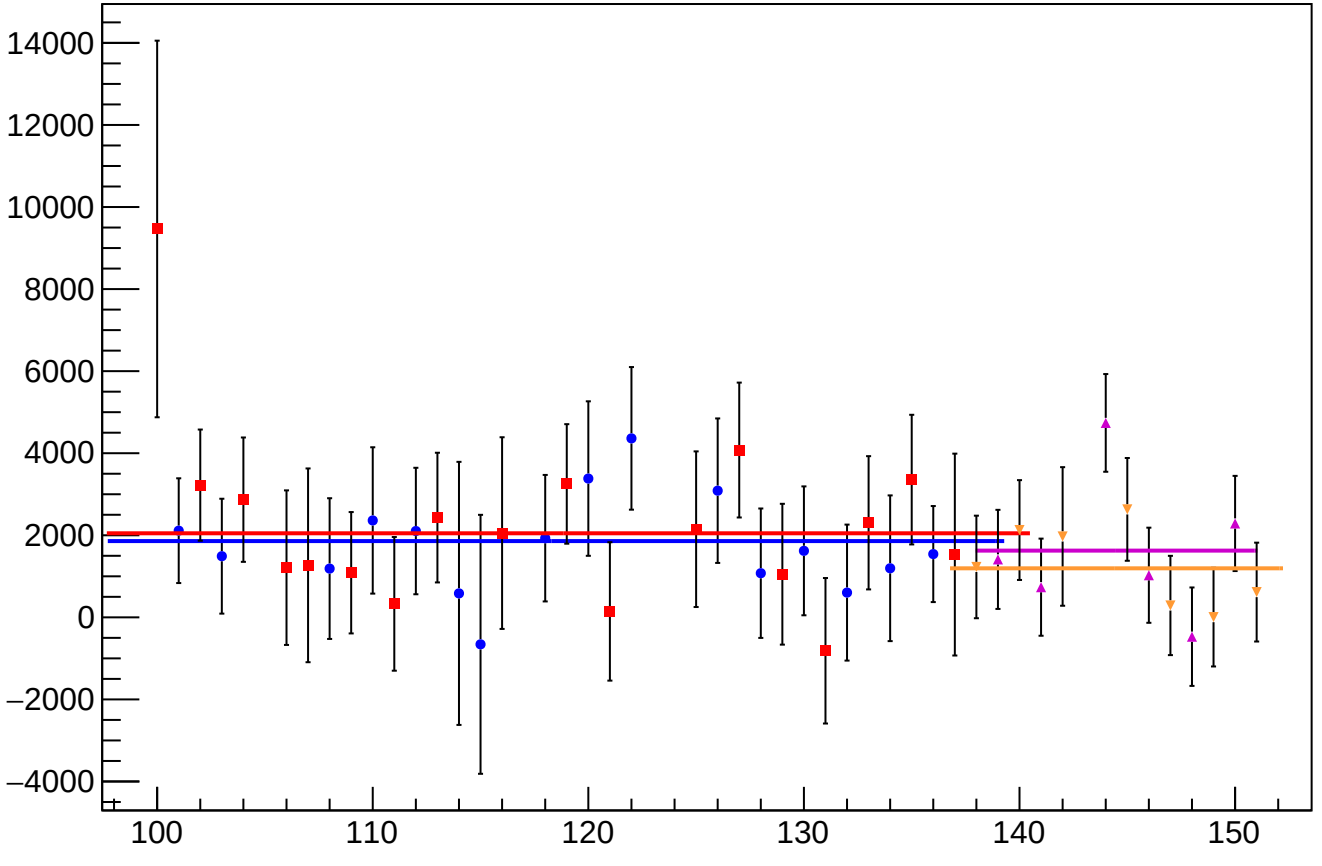
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1003.898+/-0.211 χ^2/NDF:2255432.0/21

Out: 1005.104+/-0.211 χ^2/NDF:2528534.9/24

All: 1004.503+/-0.149 χ^2/NDF: 4783983.2/46

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1194.879+/-478.473 χ^2/NDF:3.9/6

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

Left In: 1626.360+/-482.928 χ^2/NDF:11.1/5

Left: 1408.620+/-339.896 χ^2/NDF: 15.4/12

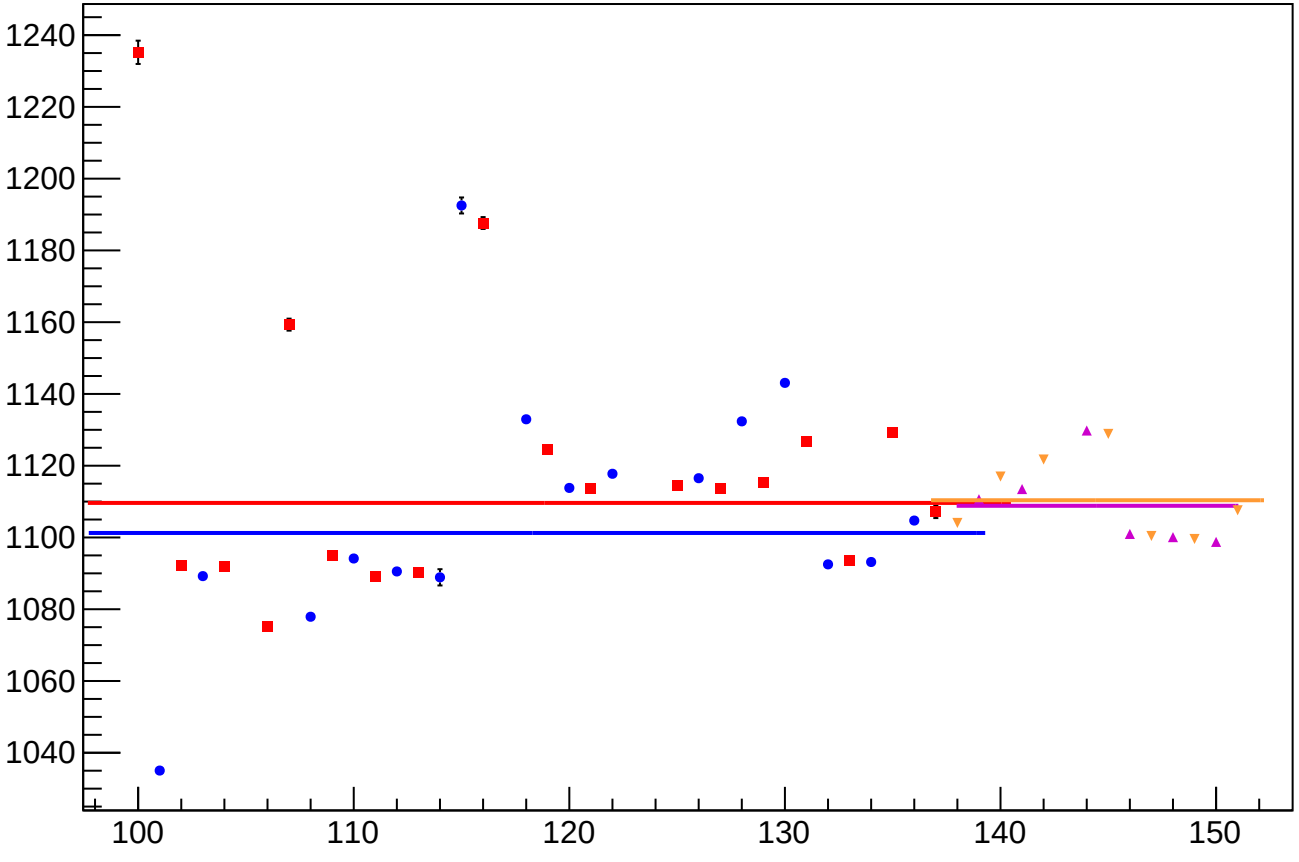
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1761.599+/-312.183 χ^2/NDF:16.7/21

Out: 1688.315+/-310.848 χ^2/NDF:18.5/24

All: 1724.800+/-220.273 χ^2/NDF: 35.1/46

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.371+/-0.338 χ^2/NDF:943.9/6

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

Left In: 1108.831+/-0.341 χ^2/NDF:1004.5/5

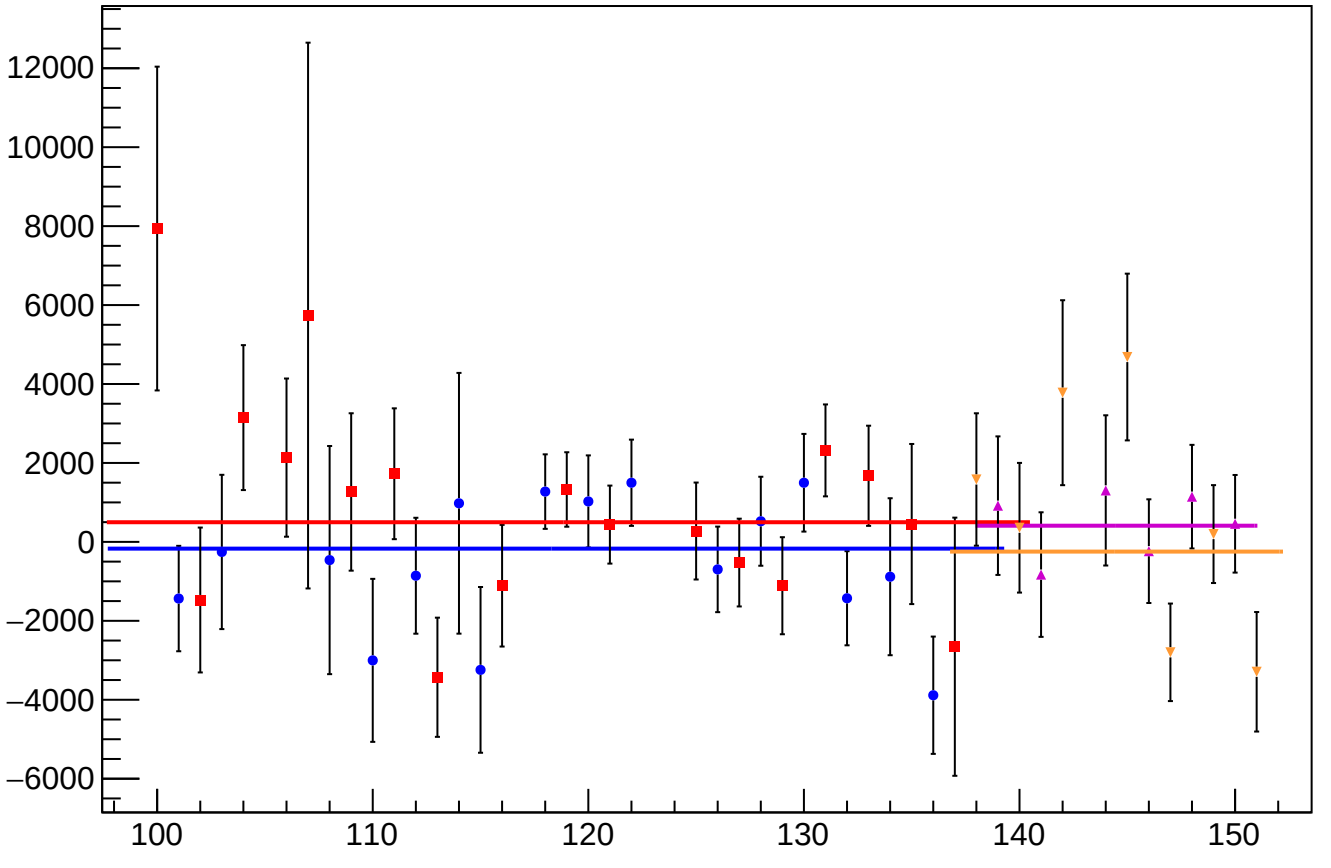
Left: 1109.608+/-0.240 χ^2/NDF: 1958.8/12

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

In: 1104.420+/-0.221 χ^2/NDF:12599.3/21

Out: 1109.942+/-0.220 χ^2/NDF:8619.8/24

All: 1107.193+/-0.156 χ^2/NDF: 21533.3/46



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

Left Out: -245.956+/-589.886 χ^2/NDF:18.2/6

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

Left In: 409.942+/-595.881 χ^2/NDF:1.5/5

Left: 78.677+/-419.216 χ^2/NDF: 20.2/12

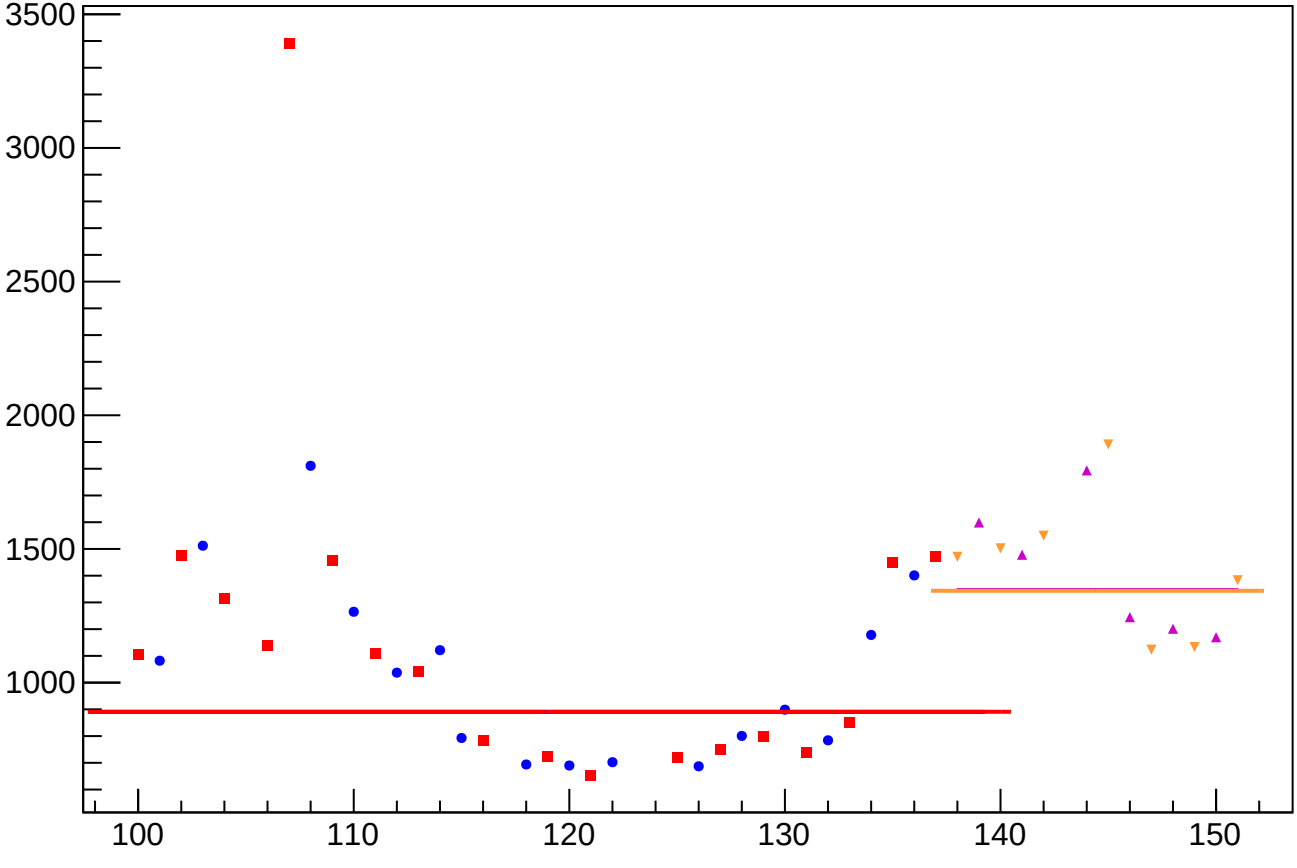
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: -24.478+/-299.203 χ^2/NDF:23.1/21

Out: 307.888+/-298.169 χ^2/NDF:43.3/24

All: 142.280+/-211.202 χ^2/NDF: 67.0/46

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1343.521+/-0.417 χ^2/NDF:302628.2/6

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

Left In: 1346.403+/-0.421 χ^2/NDF:243154.0/5

Left: 1344.947+/-0.296 χ^2/NDF: 545805.8/12

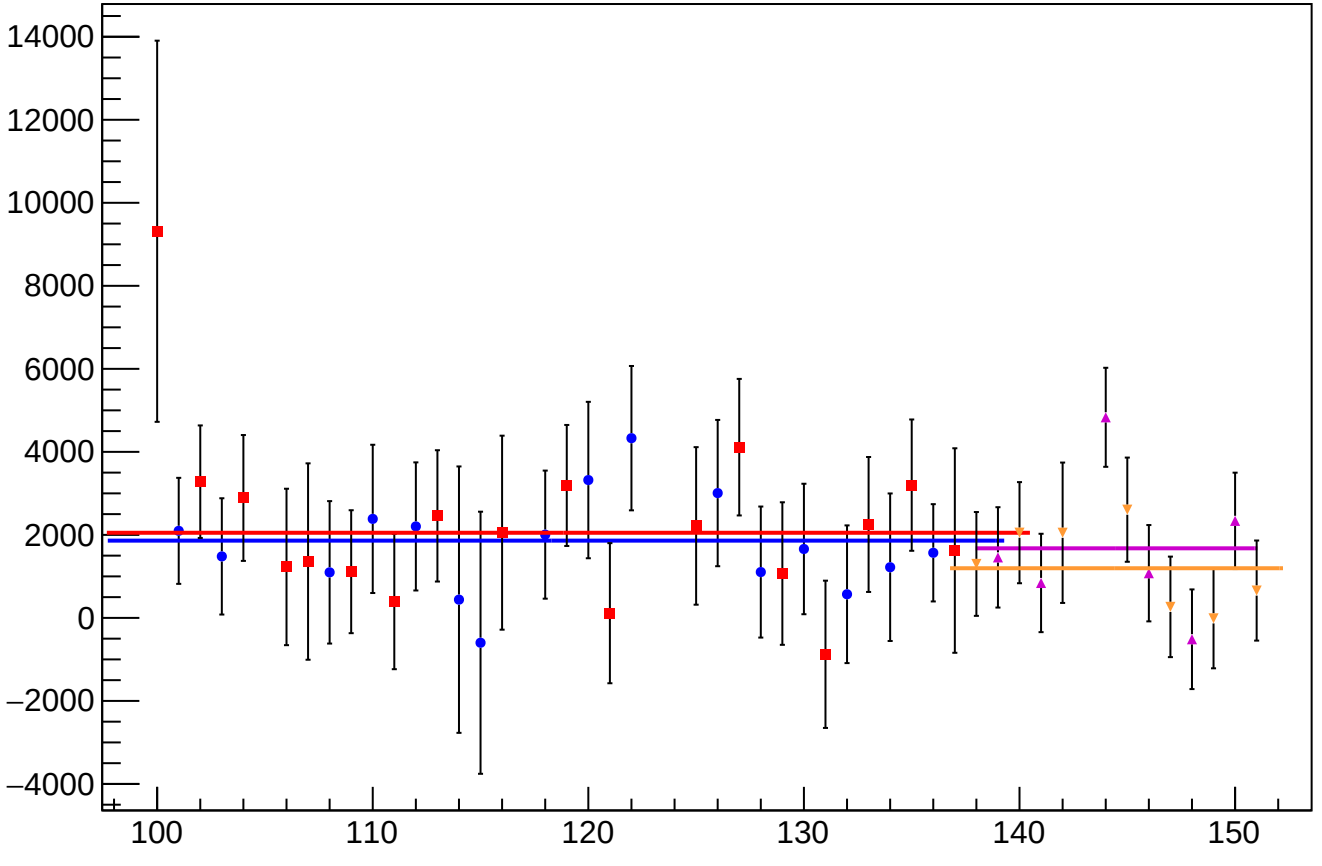
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1005.440+/-0.212 χ^2/NDF:2247471.9/21

Out: 1006.573+/-0.211 χ^2/NDF:2520936.8/24

All: 1006.008+/-0.149 χ^2/NDF: 4768423.1/46

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1196.401+/-479.026 χ^2/NDF:3.8/6

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

Left In: 1676.316+/-483.482 χ^2/NDF:11.5/5

Left: 1434.136+/-340.287 χ^2/NDF: 15.8/12

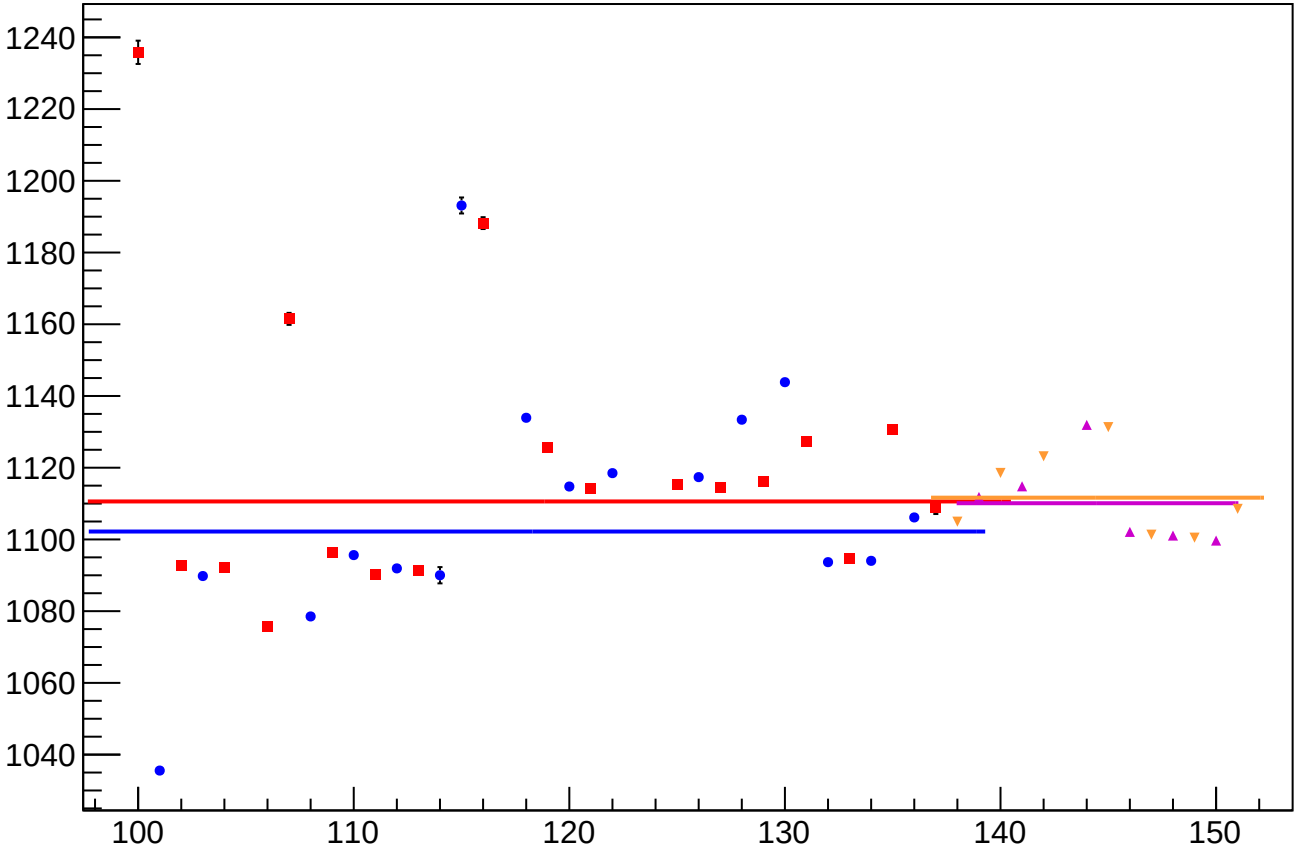
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1784.155+/-312.490 χ^2/NDF:16.9/21

Out: 1690.329+/-311.156 χ^2/NDF:18.2/24

All: 1737.041+/-220.491 χ^2/NDF: 35.1/46

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1111.647+/-0.339 χ^2/NDF:1036.0/6

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

Left In: 1110.097+/-0.342 χ^2/NDF:1075.3/5

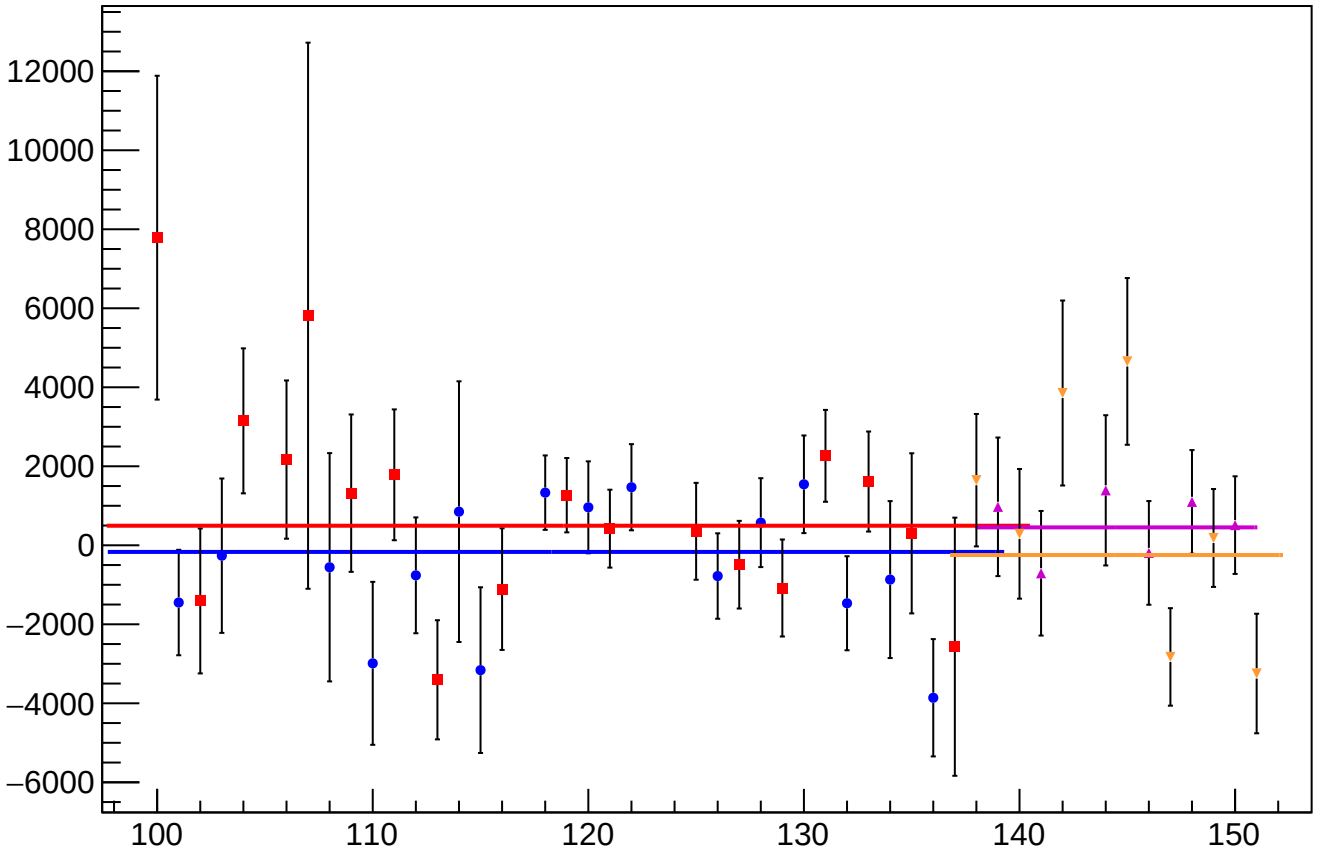
Left: 1110.879+/-0.241 χ^2/NDF: 2121.7/12

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

In: 1105.502+/-0.221 χ^2/NDF:12734.5/21

Out: 1111.037+/-0.220 χ^2/NDF:8737.7/24

All: 1108.281+/-0.156 χ^2/NDF: 21787.3/46



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

Left Out: -246.146+/-589.467 χ^2/NDF:18.3/6

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

Left In: 453.249+/-595.458 χ^2/NDF:1.4/5

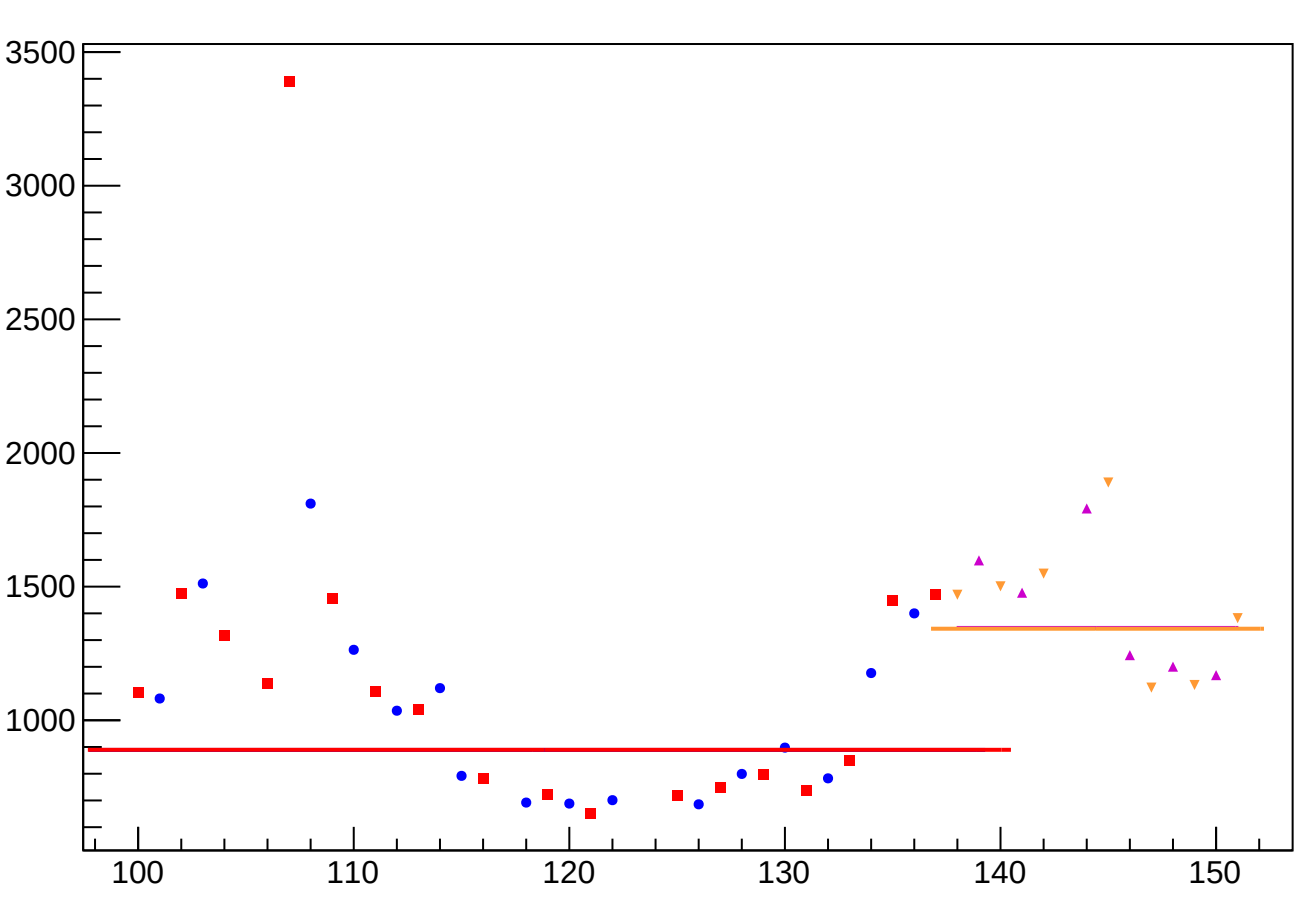
Left: 100.016+/-418.918 χ^2/NDF: 20.3/12

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

In: -11.486+/-298.801 χ^2/NDF:23.2/21

Out: 305.983+/-297.787 χ^2/NDF:42.7/24

All: 147.788+/-210.925 χ^2/NDF: 66.5/46



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

Left Out: 1342.545+/-0.417 χ^2/NDF:302806.2/6

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

Left In: 1345.431+/-0.421 χ^2/NDF:243284.3/5

Left: 1343.974+/-0.296 χ^2/NDF: 546114.2/12

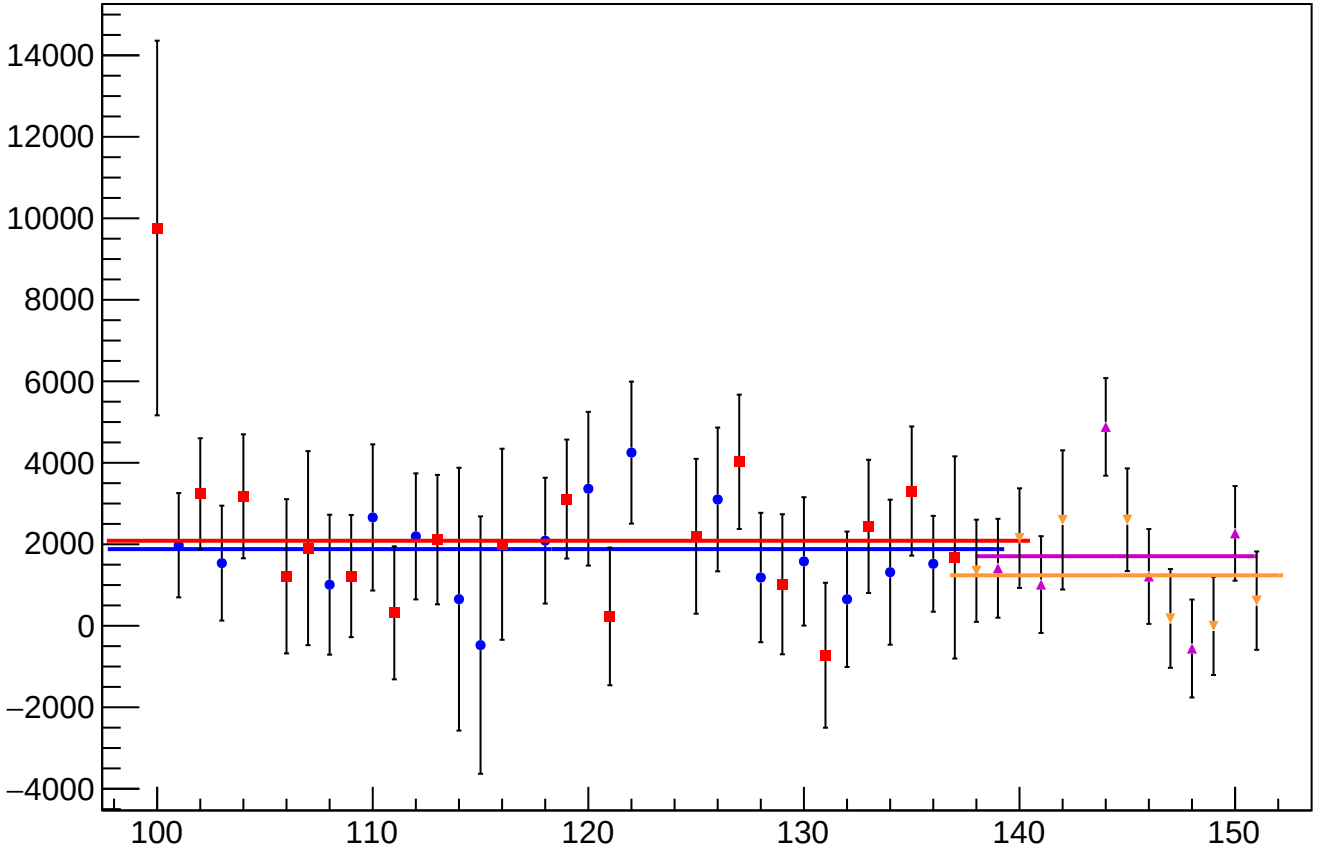
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1003.898+/-0.211 χ^2/NDF:2255432.0/21

Out: 1005.104+/-0.211 χ^2/NDF:2528534.9/24

All: 1004.503+/-0.149 χ^2/NDF: 4783983.2/46

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1239.534+/-480.325 χ^2/NDF:4.5/6

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1707.150+/-484.690 χ^2/NDF:11.4/5

Left: 1471.227+/-341.174 χ^2/NDF: 16.3/12

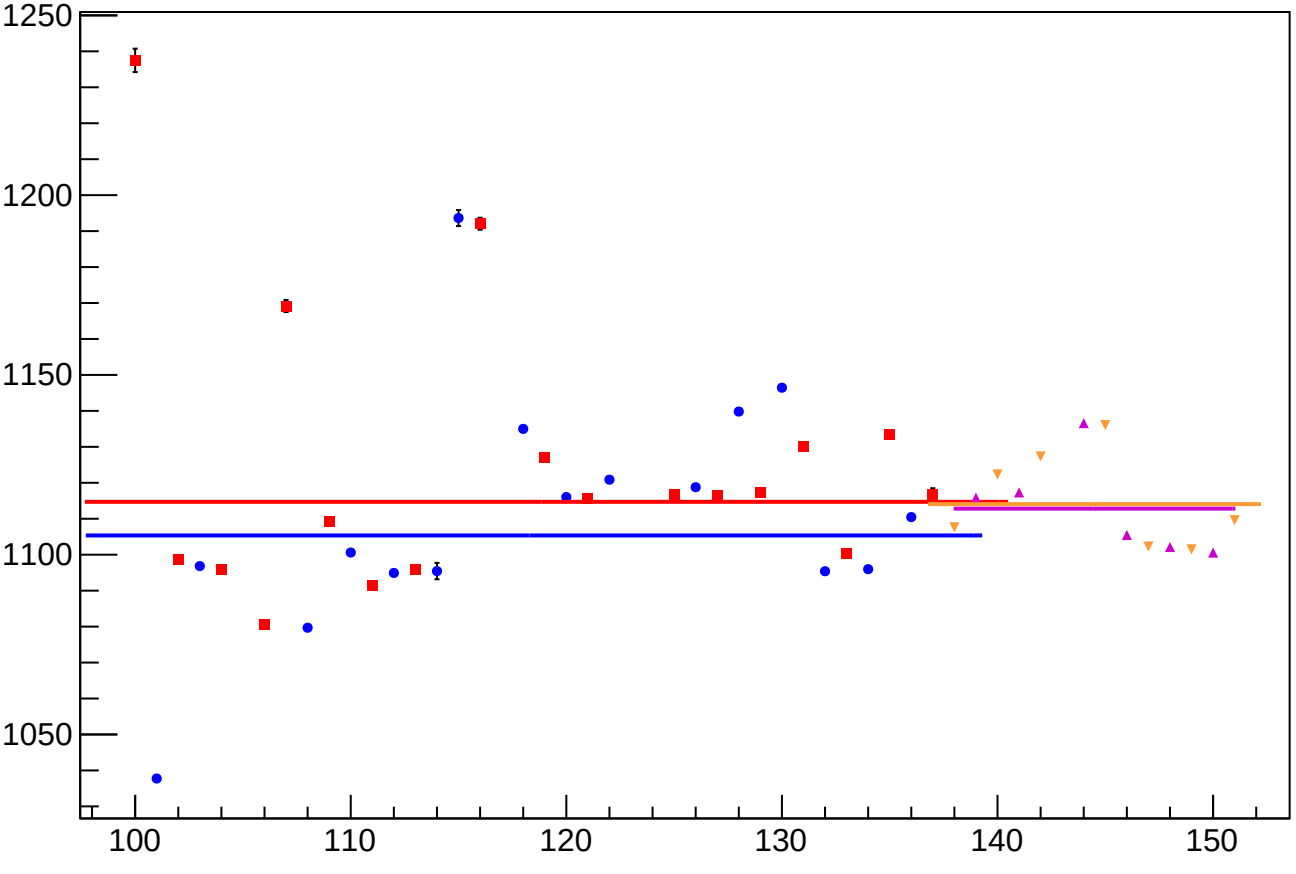
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1808.648+/-313.339 χ^2/NDF:16.7/21

Out: 1728.935+/-312.187 χ^2/NDF:18.6/24

All: 1768.645+/-221.156 χ^2/NDF: 35.3/46

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1114.069+/-0.340 χ^2/NDF:1307.2/6

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1112.812+/-0.343 χ^2/NDF:1287.8/5

Left: 1113.446+/-0.241 χ^2/NDF: 2601.7/12

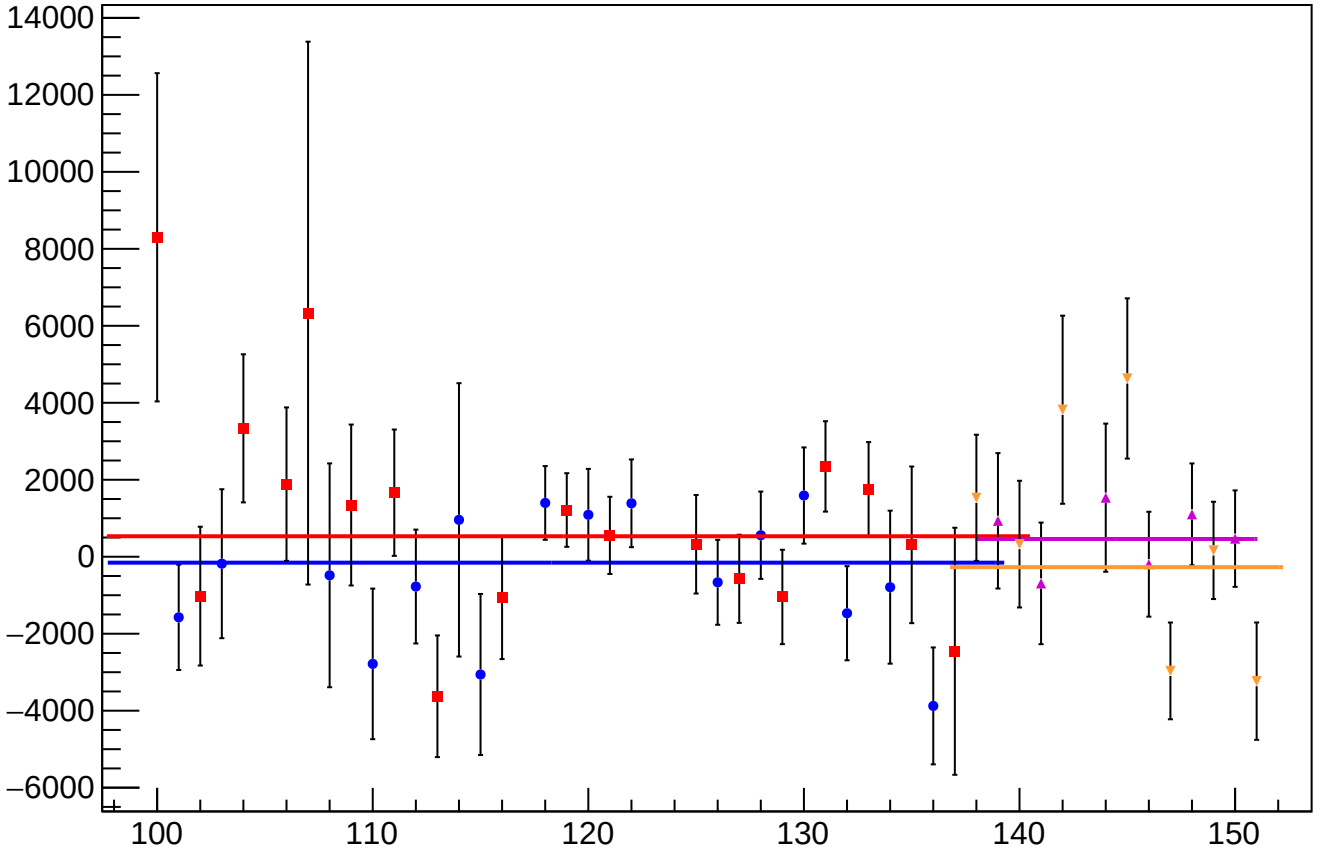
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1108.472+/-0.222 χ^2/NDF:12894.2/21

Out: 1114.436+/-0.221 χ^2/NDF:8639.5/24

All: 1111.465+/-0.156 χ^2/NDF: 21897.4/46

asym_usl_dit_correction_mean vs Slug, Sign Corrected



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -270.760+/-594.549 χ^2/NDF:18.2/6

Right Out: 532.155+/-350.407 χ^2/NDF: 23.2/17

Left In: 461.394+/-603.947 χ^2/NDF:1.4/5

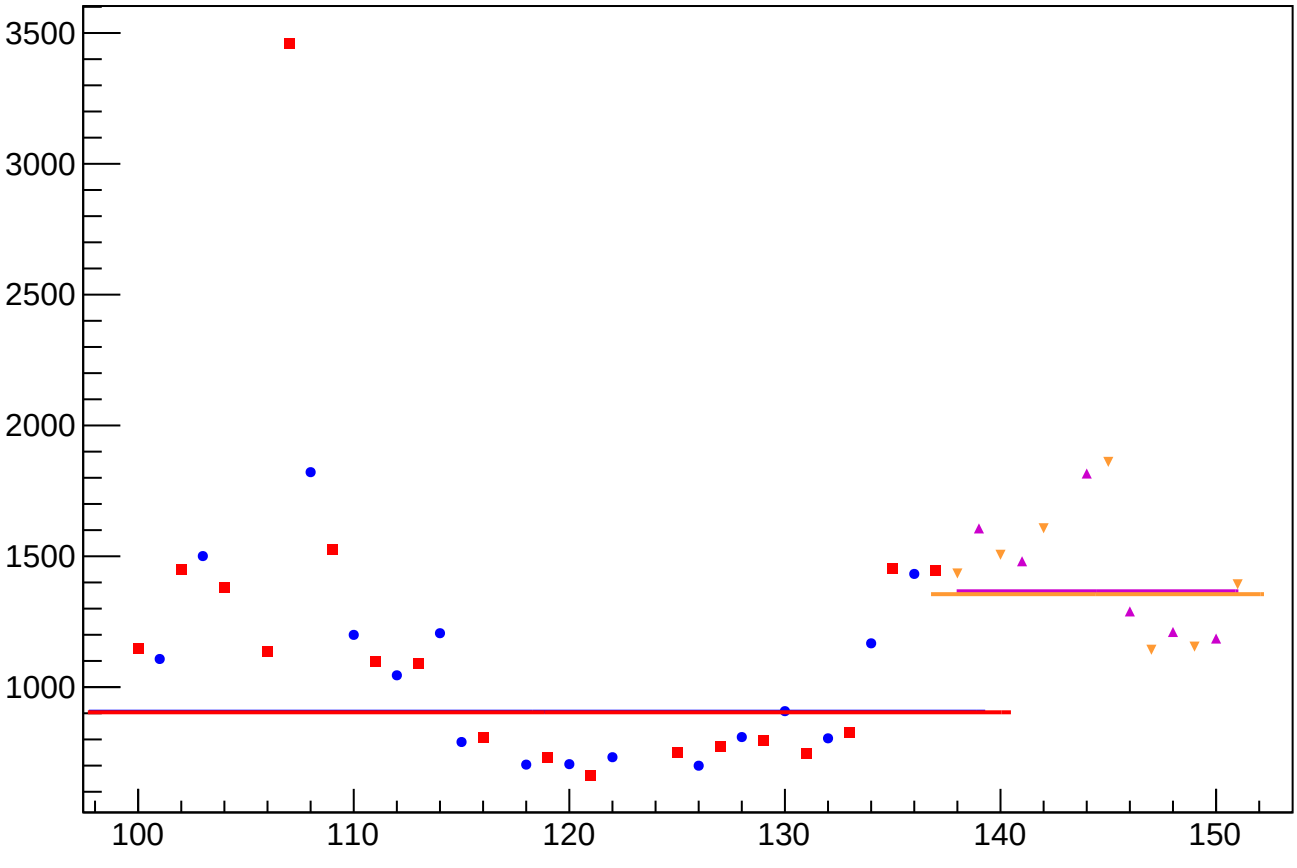
Left: 89.577+/-423.693 χ^2/NDF: 20.3/12

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

In: 1.589+/-303.676 χ^2/NDF:22.6/21

Out: 325.161+/-301.879 χ^2/NDF:42.8/24

All: 164.335+/-214.093 χ^2/NDF: 65.9/46



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1355.250+/-0.420 χ^2/NDF:269278.0/6

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1366.180+/-0.427 χ^2/NDF:232892.5/5

Left: 1360.630+/-0.300 χ^2/NDF: 502503.1/12

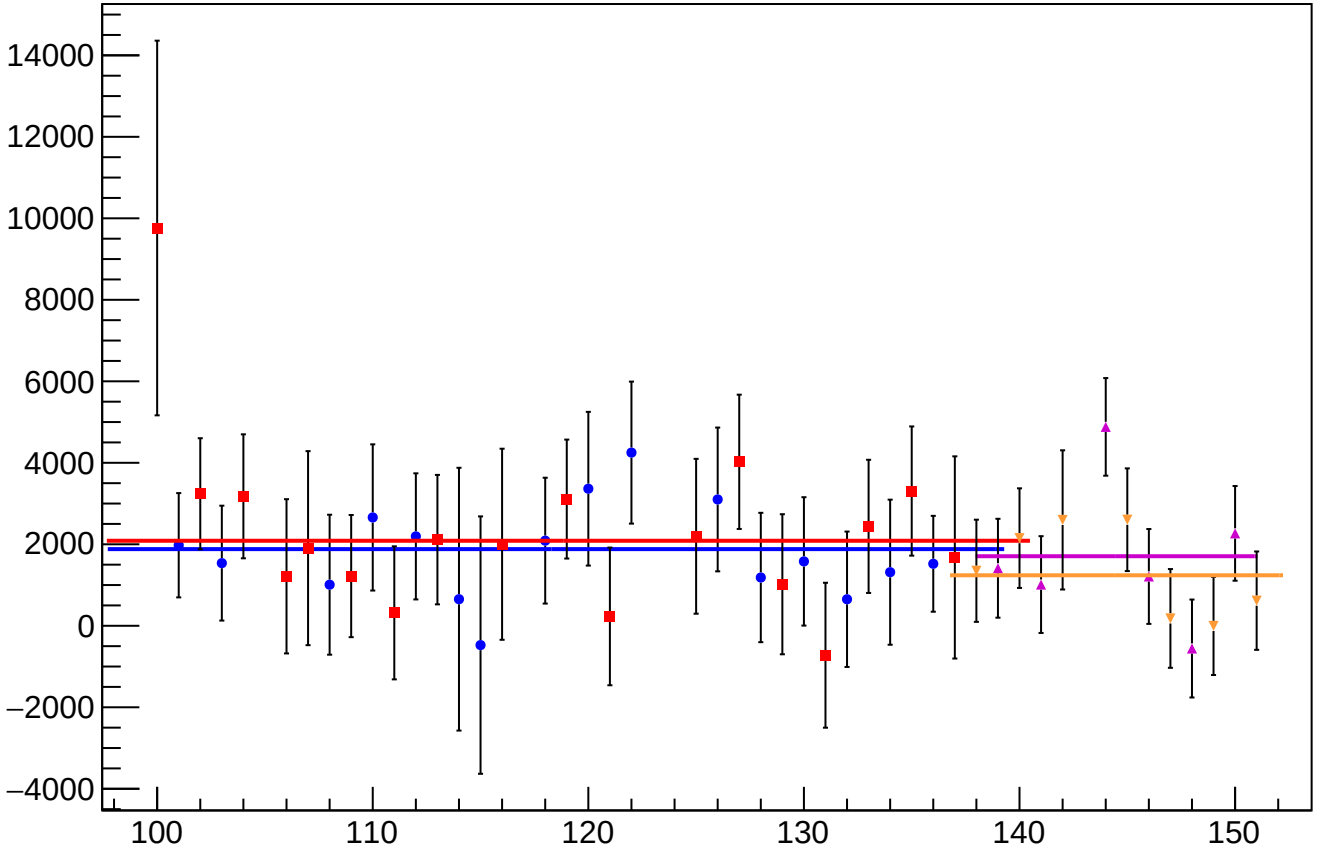
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1022.373+/-0.215 χ^2/NDF:2179773.2/21

Out: 1020.151+/-0.213 χ^2/NDF:2465277.6/24

All: 1021.255+/-0.151 χ^2/NDF: 4645104.6/46

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1239.532+/-480.325 χ^2/NDF:4.5/6

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1707.152+/-484.690 χ^2/NDF:11.4/5

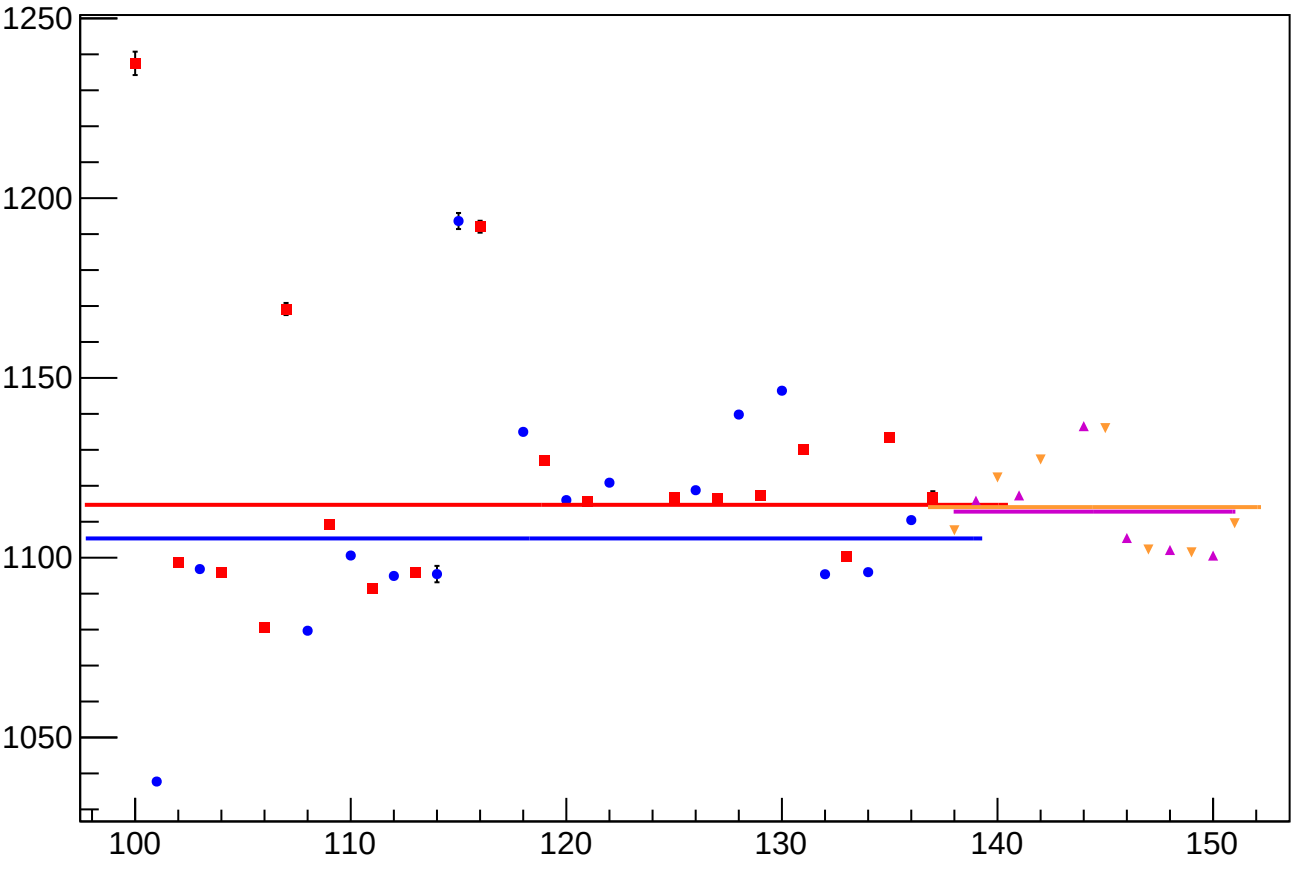
Left: 1471.227+/-341.174 χ^2/NDF: 16.3/12

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

In: 1808.649+/-313.339 χ^2/NDF:16.7/21

Out: 1728.932+/-312.187 χ^2/NDF:18.6/24

All: 1768.644+/-221.156 χ^2/NDF: 35.3/46



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1114.069+/-0.340 χ^2/NDF:1307.2/6

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1112.812+/-0.343 χ^2/NDF:1287.7/5

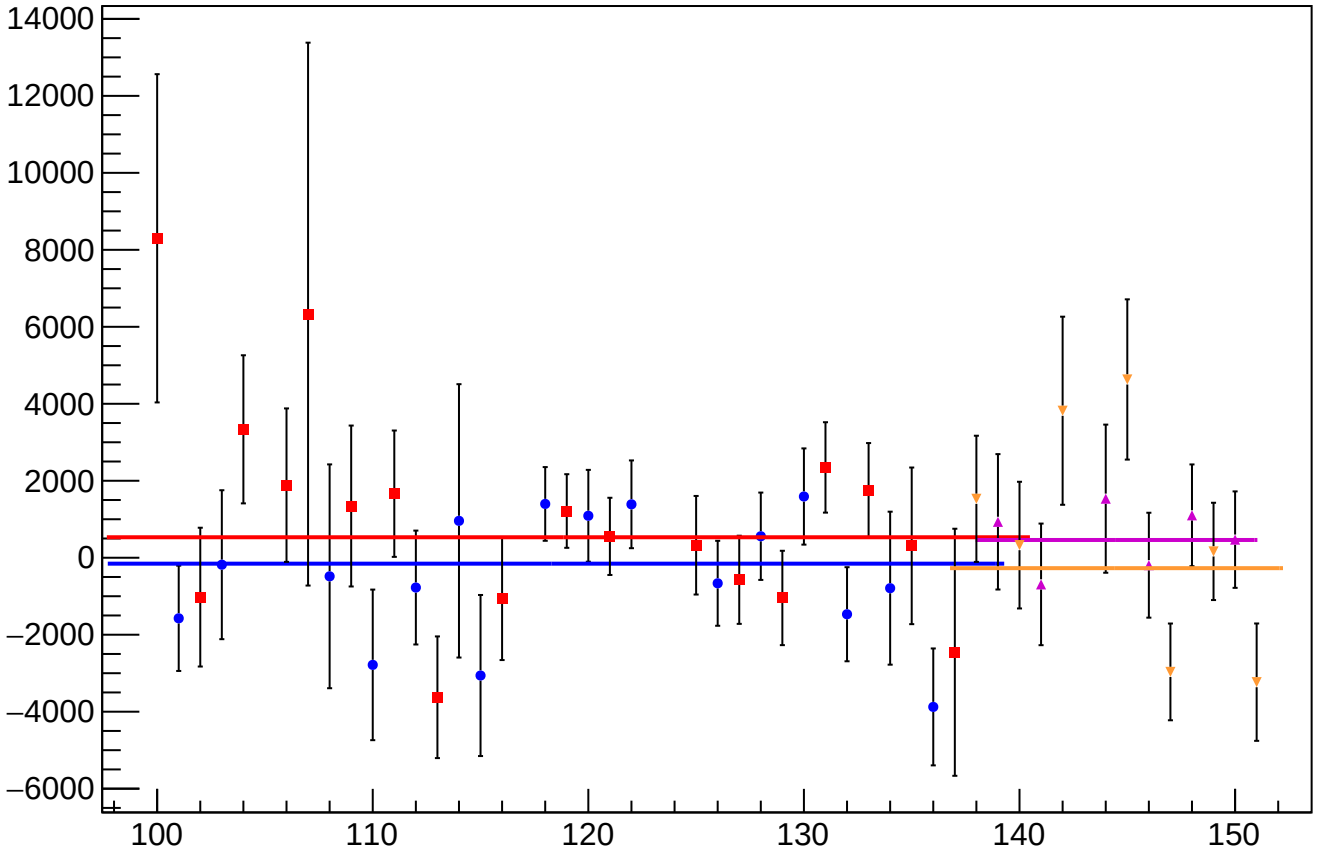
Left: 1113.446+/-0.241 χ^2/NDF: 2601.7/12

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

In: 1108.472+/-0.222 χ^2/NDF:12894.2/21

Out: 1114.436+/-0.221 χ^2/NDF:8639.4/24

All: 1111.465+/-0.156 χ^2/NDF: 21897.4/46



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -270.763+/-594.550 χ^2/NDF:18.2/6

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 461.397+/-603.948 χ^2/NDF:1.4/5

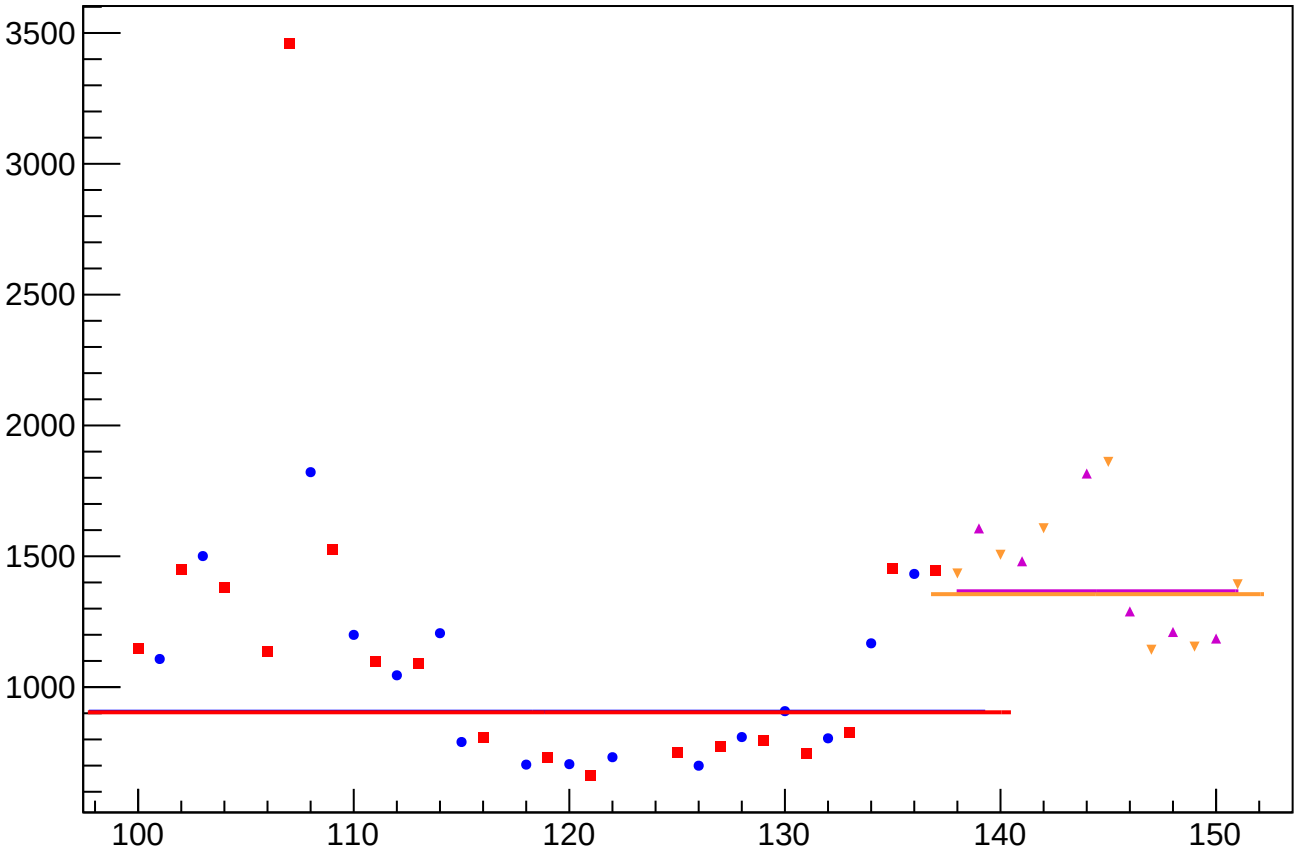
Left: 89.576+/-423.694 χ^2/NDF: 20.3/12

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

In: 1.590+/-303.676 χ^2/NDF:22.6/21

Out: 325.161+/-301.878 χ^2/NDF:42.8/24

All: 164.336+/-214.093 χ^2/NDF: 65.9/46



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1355.252+/-0.420 χ^2/NDF:269276.6/6

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1366.183+/-0.427 χ^2/NDF:232891.4/5

Left: 1360.632+/-0.300 χ^2/NDF: 502500.7/12

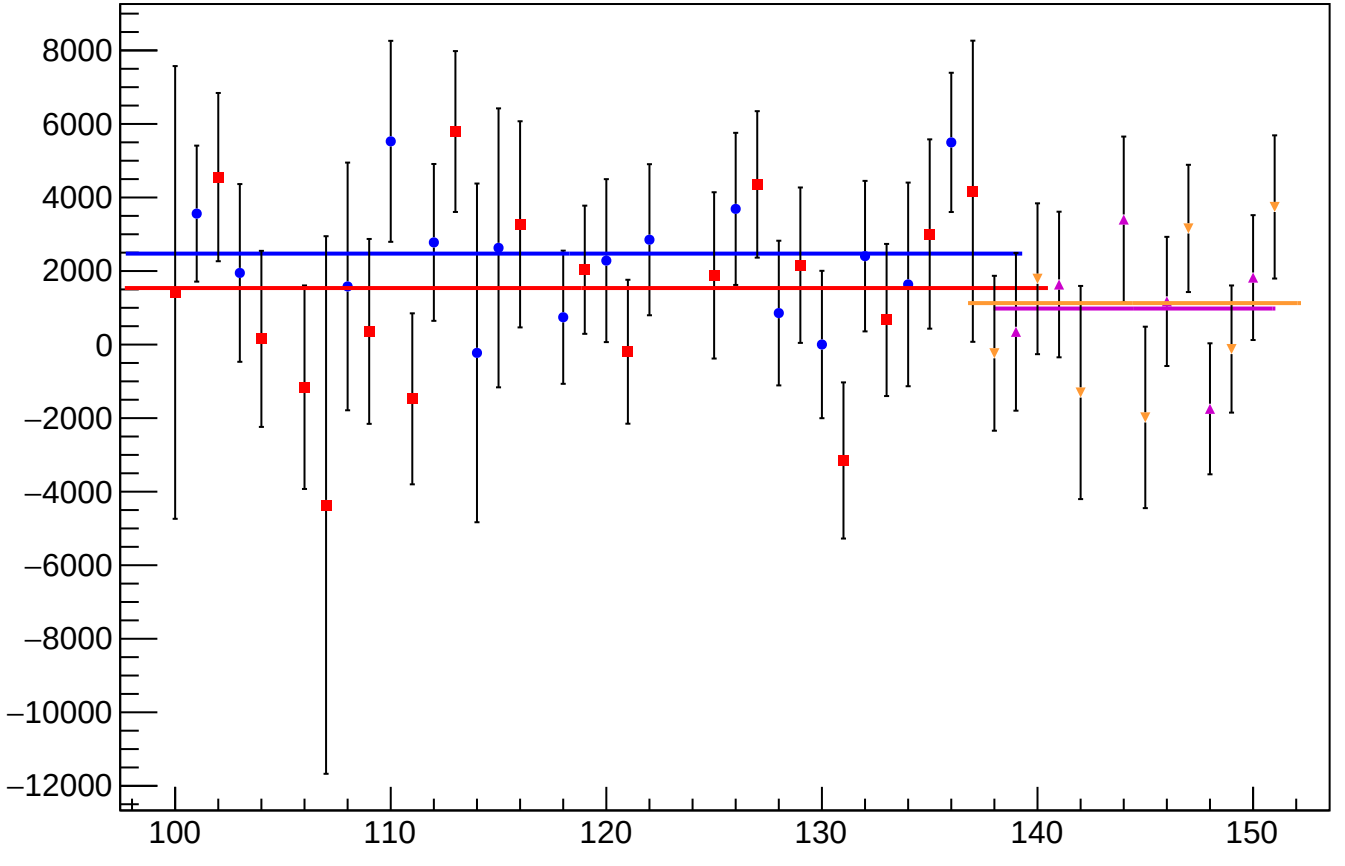
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1022.371+/-0.215 χ^2/NDF:2179792.0/21

Out: 1020.149+/-0.213 χ^2/NDF:2465295.0/24

All: 1021.254+/-0.151 χ^2/NDF: 4645140.9/46

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 1128.005+/-771.807 χ^2/NDF:6.5/6

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 980.127+/-777.274 χ^2/NDF:3.9/5

Left: 1054.588+/-547.673 χ^2/NDF: 10.5/12

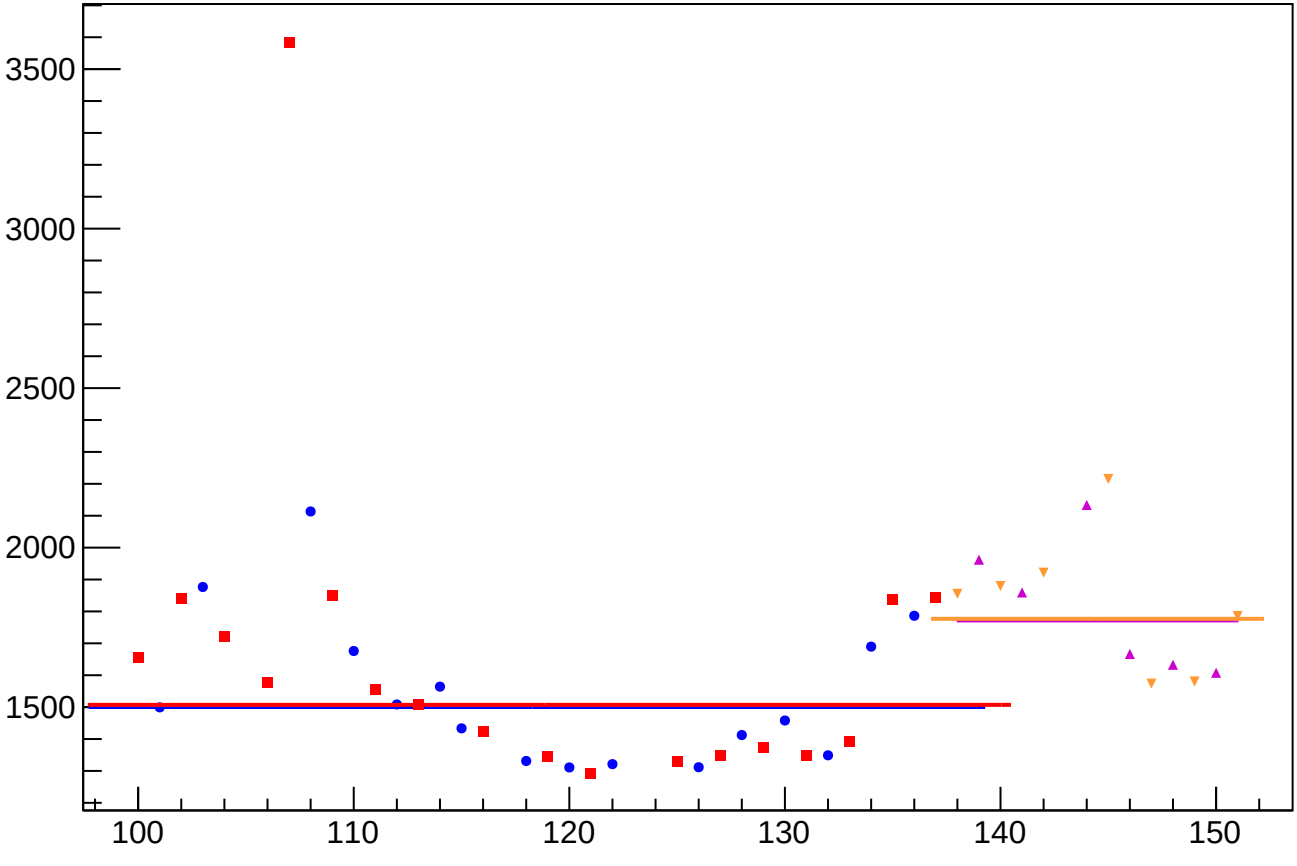
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1960.229+/-455.848 χ^2/NDF:14.6/21

Out: 1395.055+/-455.138 χ^2/NDF:25.2/24

All: 1677.202+/-322.082 χ^2/NDF: 40.6/46

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1776.858+/-0.546 χ^2/NDF:129394.8/6

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1771.838+/-0.550 χ^2/NDF:109184.6/5

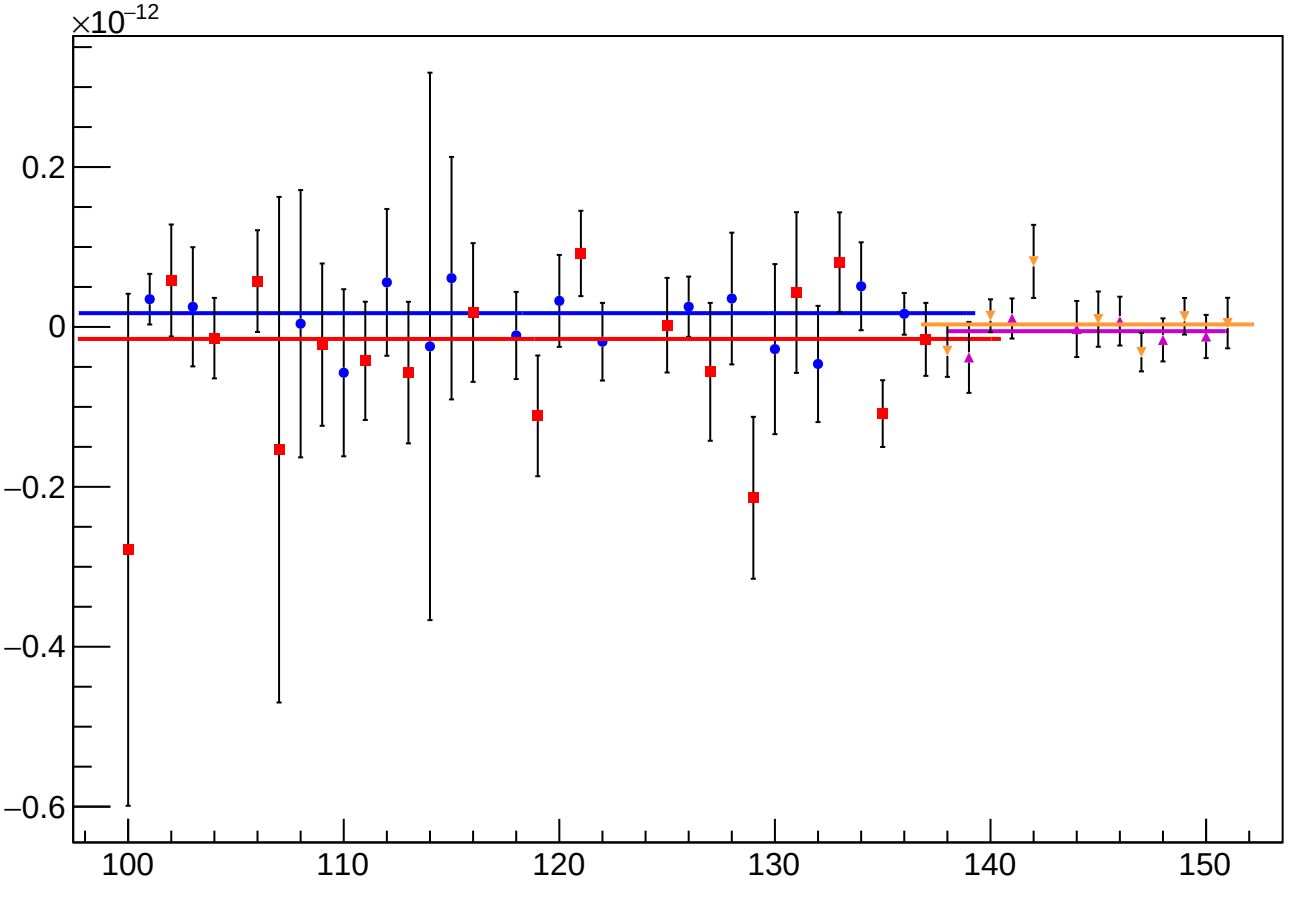
Left: 1774.366+/-0.387 χ^2/NDF: 238621.5/12

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

In: 1593.745+/-0.322 χ^2/NDF:528019.0/21

Out: 1600.908+/-0.322 χ^2/NDF:689983.4/24

All: 1597.332+/-0.228 χ^2/NDF: 1218249.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:1.3/5

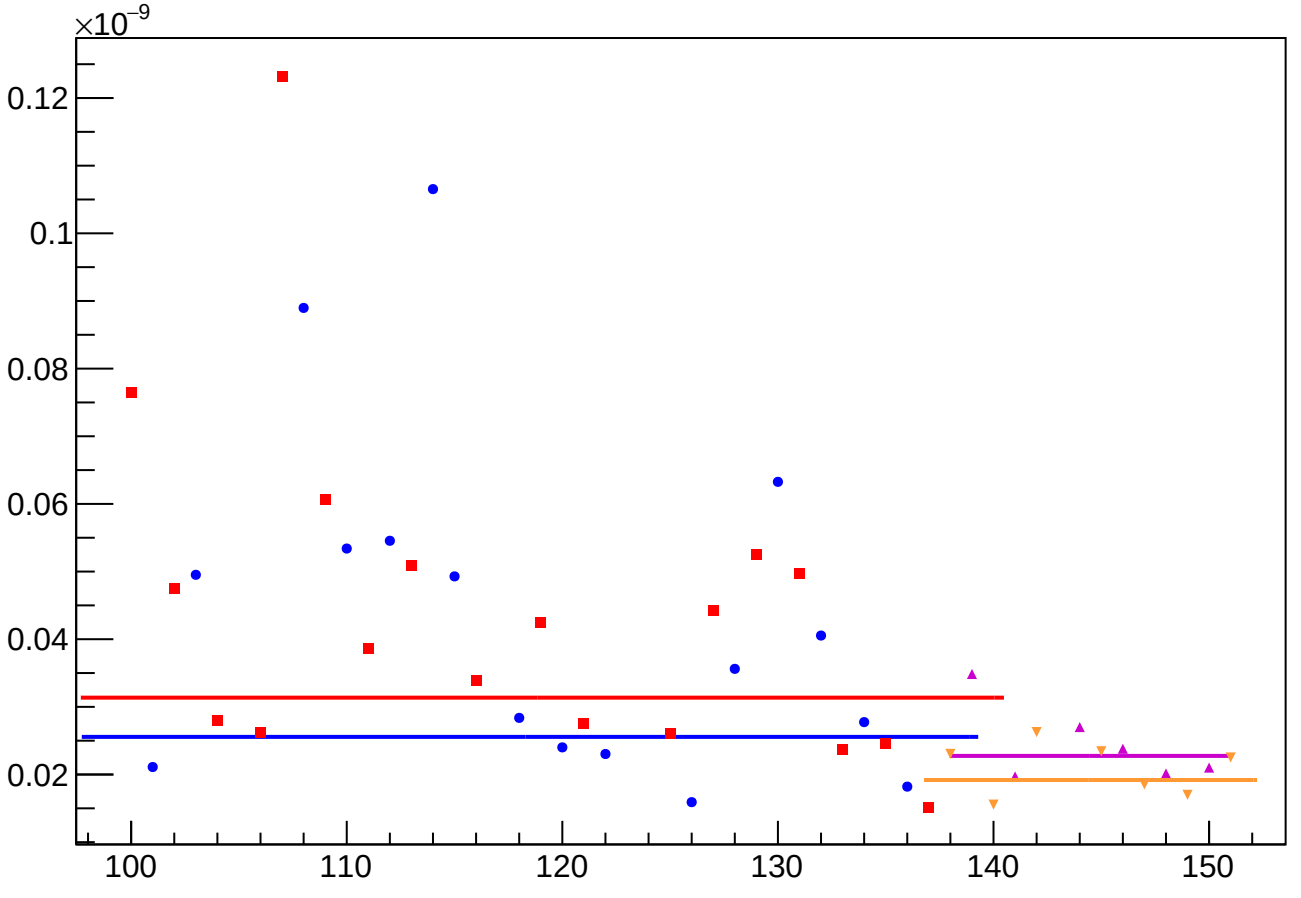
Left: -0.000+/-0.000 χ^2/NDF: 8.2/12

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:6.3/21

Out: -0.000+/-0.000 χ^2/NDF:28.8/24

All: 0.000+/-0.000 χ^2/NDF: 35.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:210981.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:237118.0/5

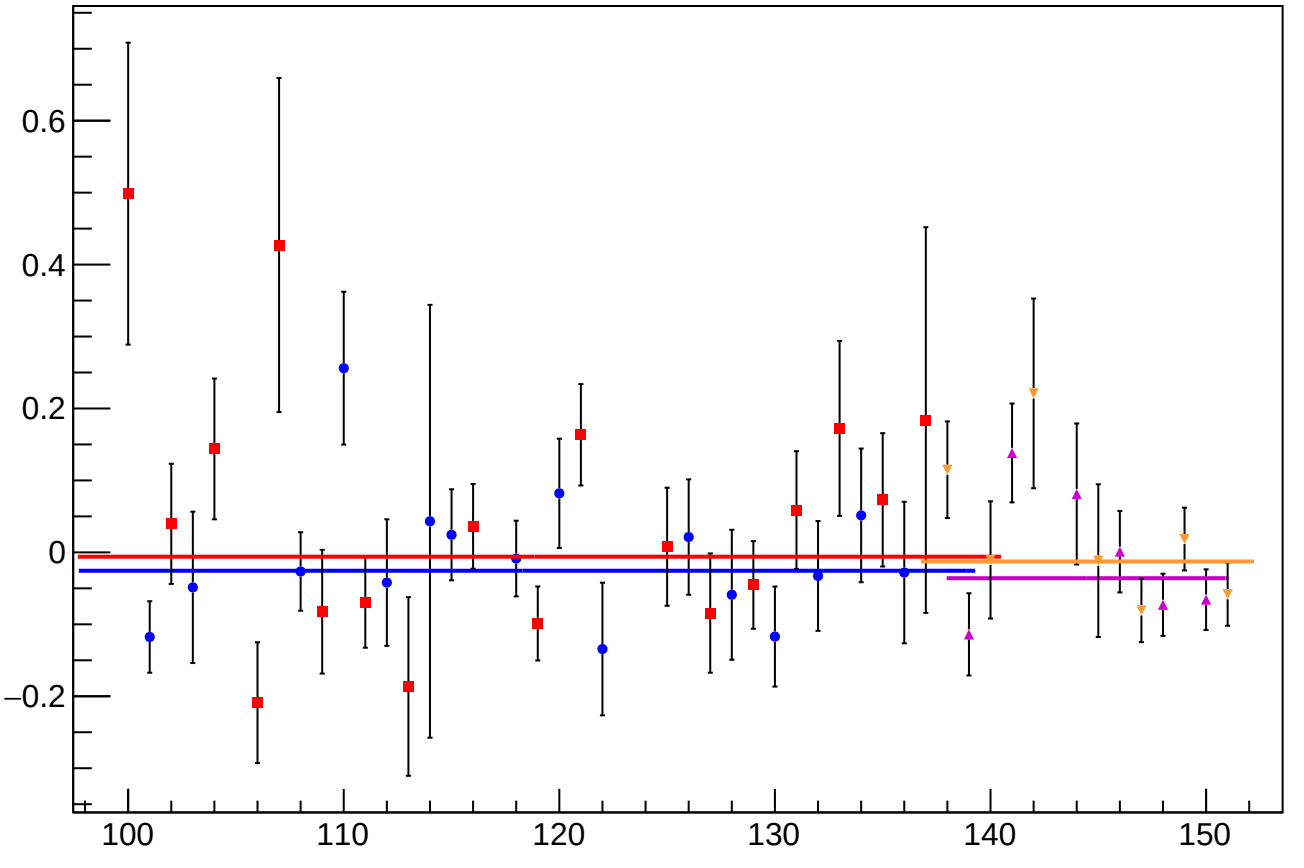
Left: 0.000+/-0.000 χ^2/NDF: 547083.3/12

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

In: 0.000+/-0.000 χ^2/NDF:1992620.2/21

Out: 0.000+/-0.000 χ^2/NDF:2246746.6/24

All: 0.000+/-0.000 χ^2/NDF: 4258811.6/46



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.036+/-0.022 χ^2/NDF:11.4/5

Left: -0.024+/-0.016 χ^2/NDF: 22.6/12

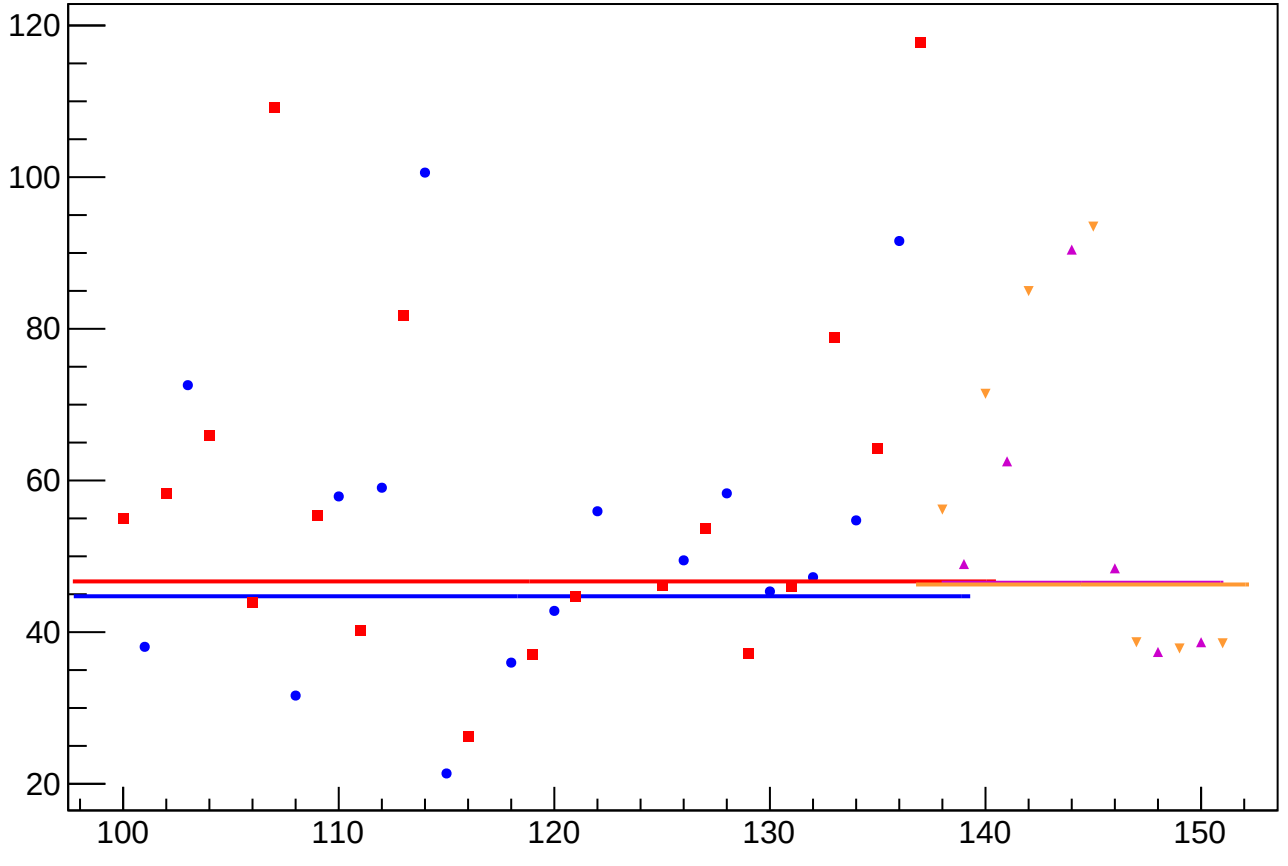
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.030+/-0.014 χ^2/NDF:29.1/21

Out: -0.009+/-0.015 χ^2/NDF:47.3/24

All: -0.020+/-0.010 χ^2/NDF: 77.5/46

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: 46.286+/-0.016 χ^2/NDF:998512.5/6

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 46.517+/-0.016 χ^2/NDF:675184.4/5

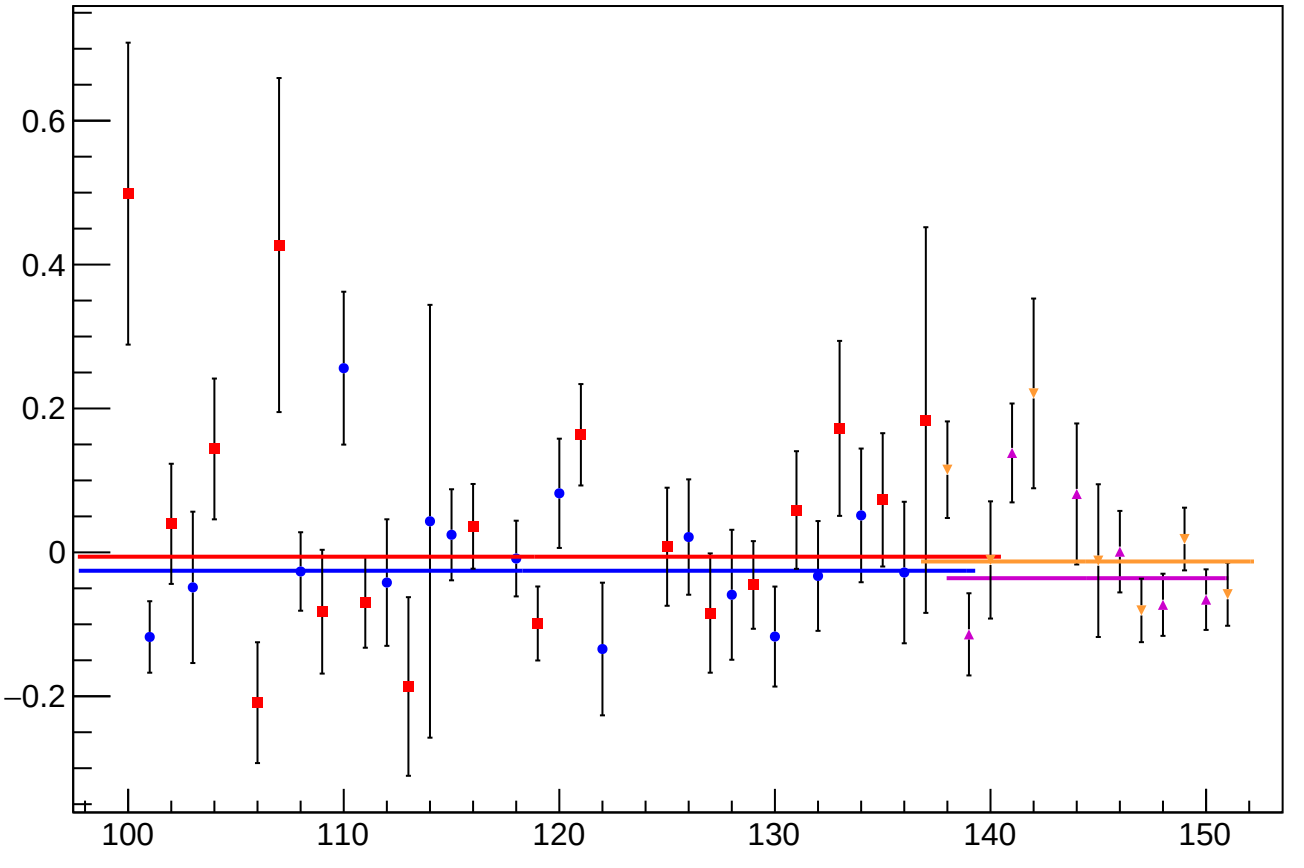
Left: 46.400+/-0.011 χ^2/NDF: 1673806.7/12

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

In: 45.478+/-0.010 χ^2/NDF:2017265.8/21

Out: 46.513+/-0.010 χ^2/NDF:2194360.0/24

All: 45.988+/-0.007 χ^2/NDF: 4216775.7/46



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.036+/-0.022 χ^2/NDF:11.4/5

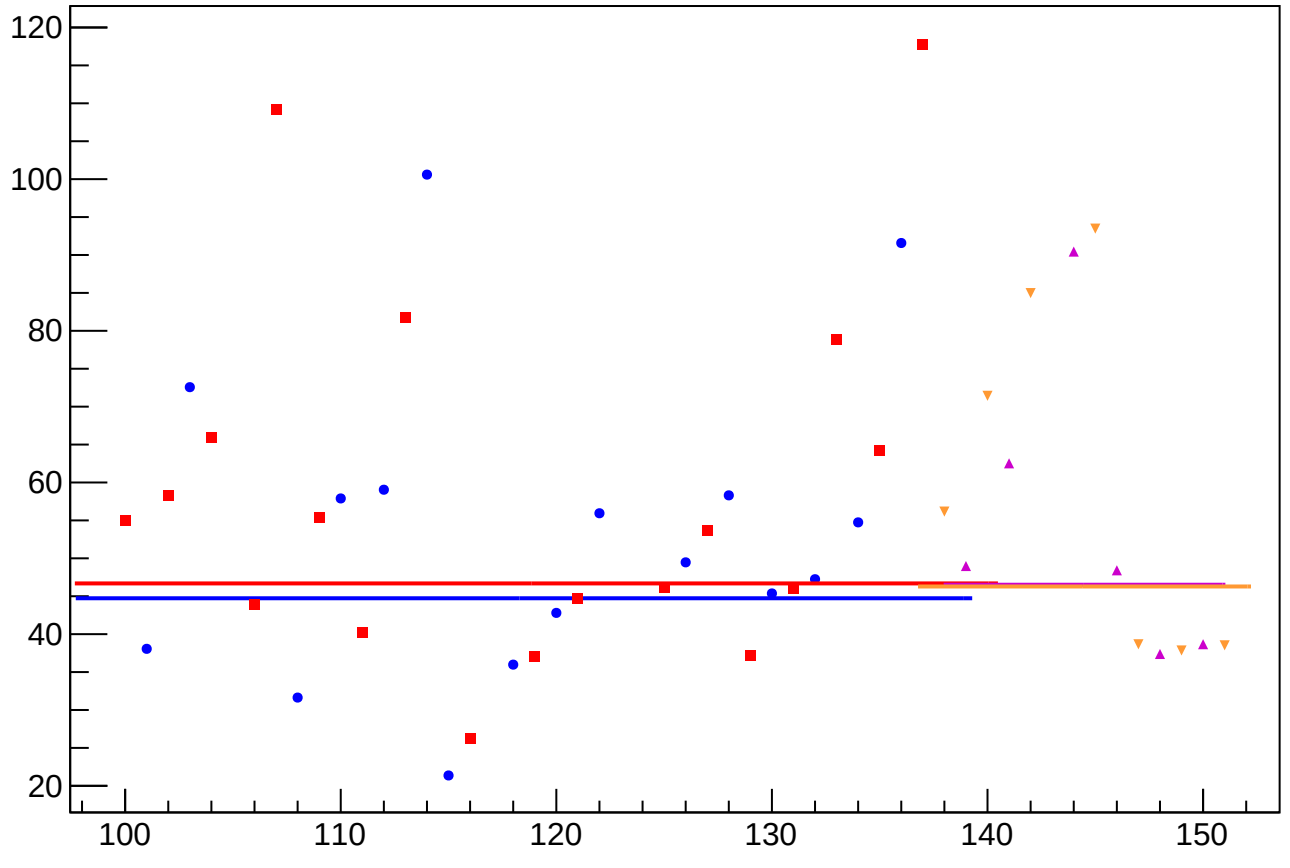
Left: -0.024+/-0.016 χ^2/NDF: 22.6/12

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

In: -0.030+/-0.014 χ^2/NDF:29.1/21

Out: -0.009+/-0.015 χ^2/NDF:47.3/24

All: -0.020+/-0.010 χ^2/NDF: 77.5/46



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 46.286+/-0.016 χ^2/NDF:998512.5/6

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 46.517+/-0.016 χ^2/NDF:675184.4/5

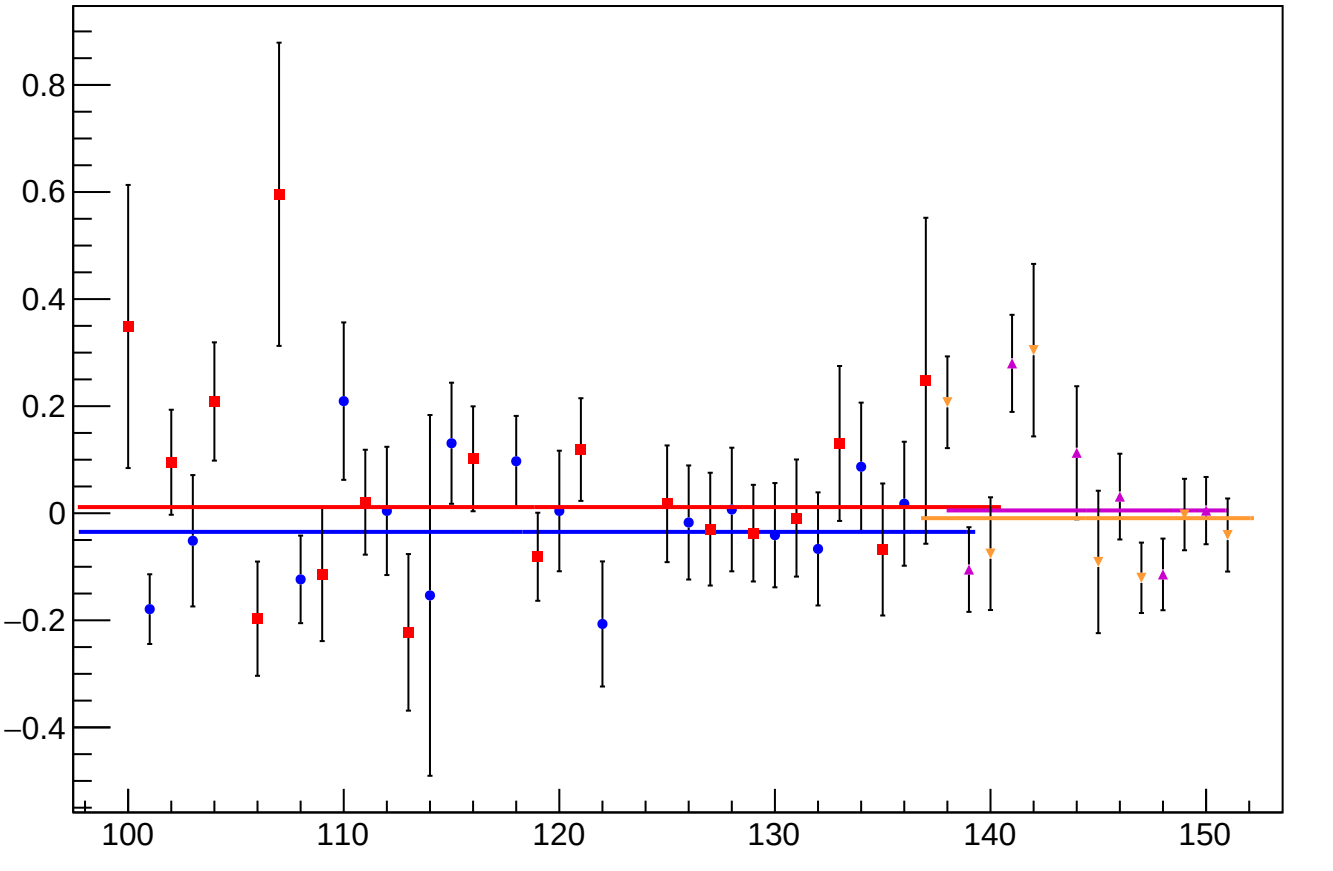
Left: 46.400+/-0.011 χ^2/NDF: 1673806.7/12

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

In: 45.478+/-0.010 χ^2/NDF:2017265.8/21

Out: 46.513+/-0.010 χ^2/NDF:2194360.0/24

All: 45.988+/-0.007 χ^2/NDF: 4216775.7/46



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.009+/-0.032 χ^2/NDF:14.1/6

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.005+/-0.032 χ^2/NDF:15.2/5

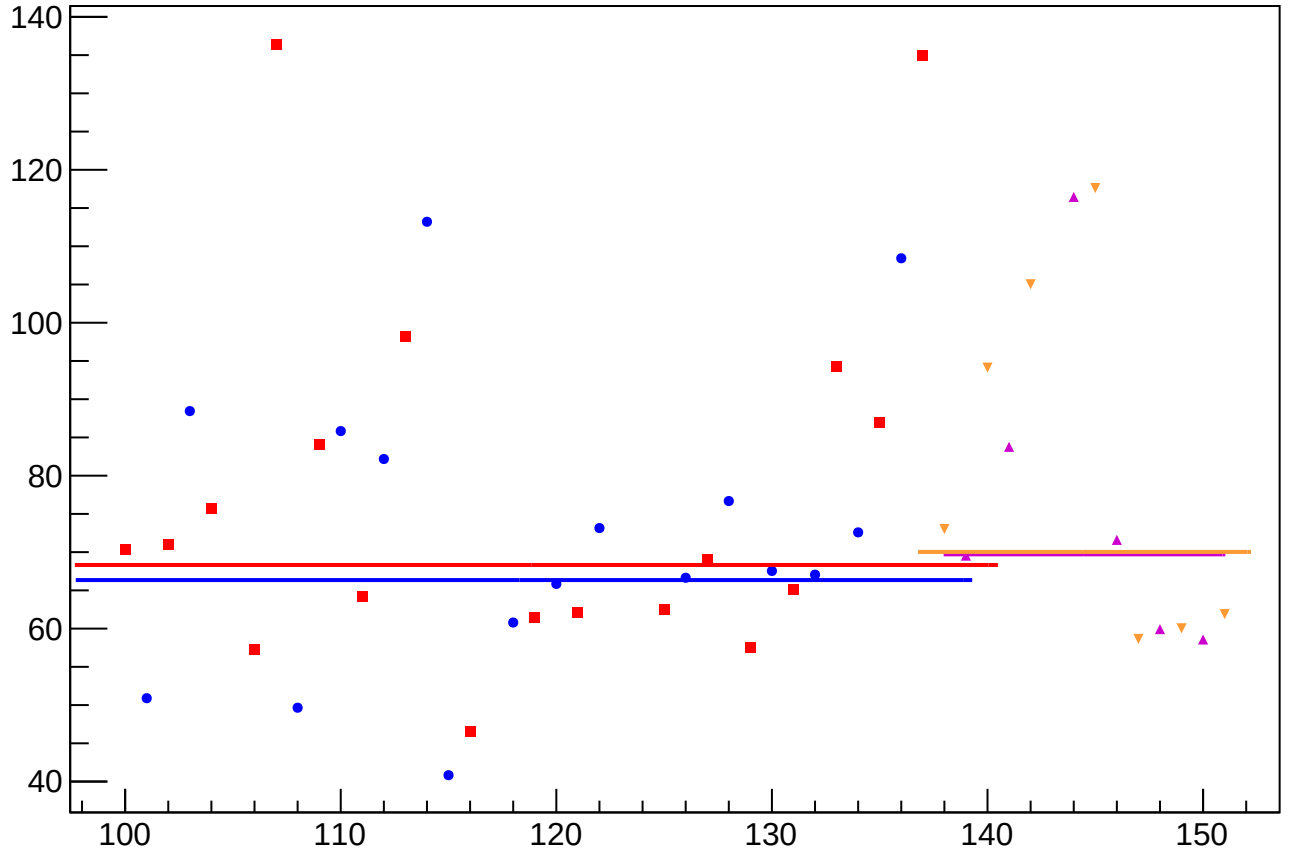
Left: -0.002+/-0.023 χ^2/NDF: 29.3/12

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

In: -0.019+/-0.020 χ^2/NDF:33.6/21

Out: 0.003+/-0.021 χ^2/NDF:37.1/24

All: -0.008+/-0.014 χ^2/NDF: 71.2/46



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 70.028+/-0.022 χ^2/NDF:590754.9/6

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 69.712+/-0.023 χ^2/NDF:437642.3/5

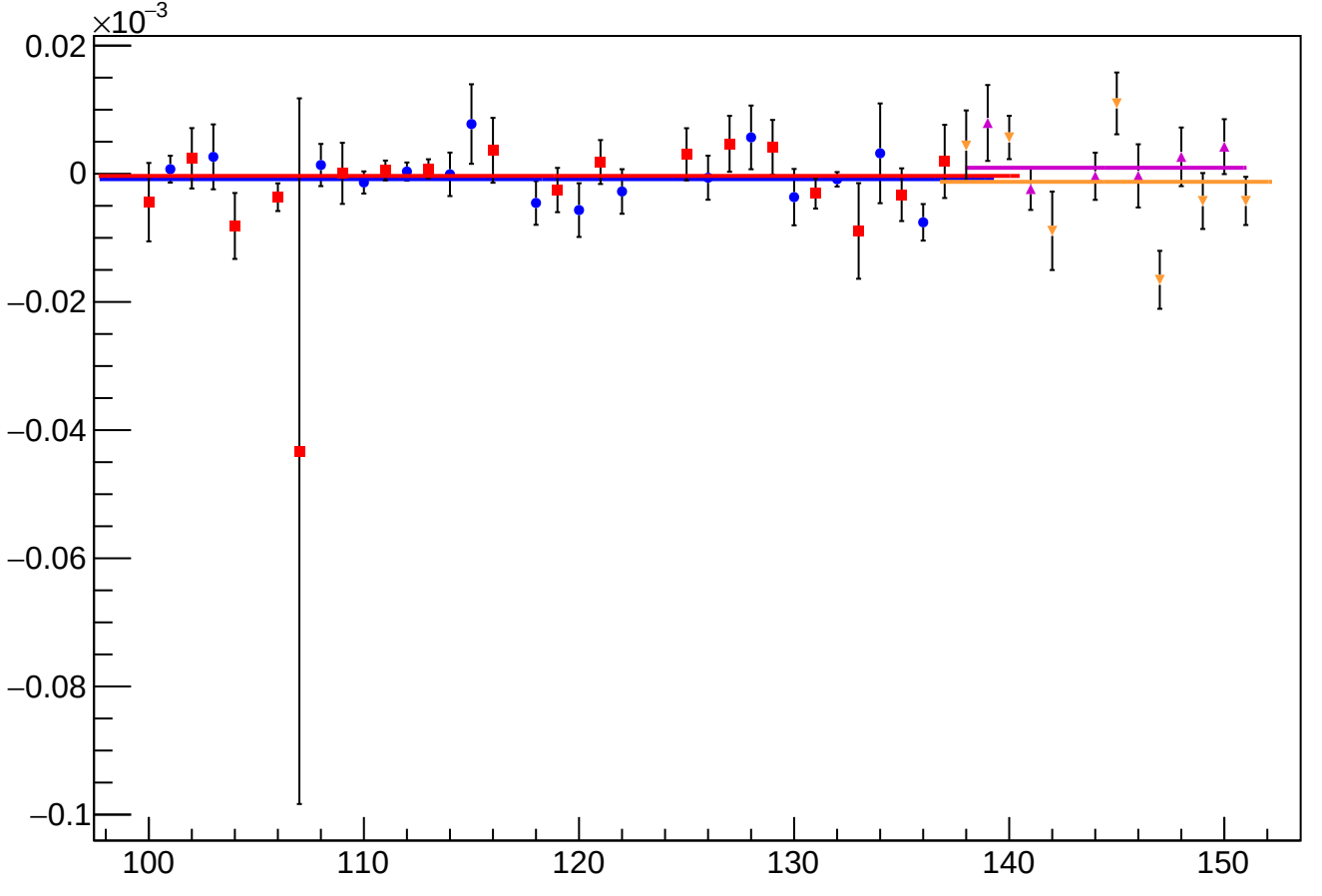
Left: 69.871+/-0.016 χ^2/NDF: 1028495.4/12

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

In: 67.705+/-0.014 χ^2/NDF:1223513.3/21

Out: 69.035+/-0.015 χ^2/NDF:1223784.3/24

All: 68.362+/-0.010 χ^2/NDF: 2451544.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/6

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:3.4/5

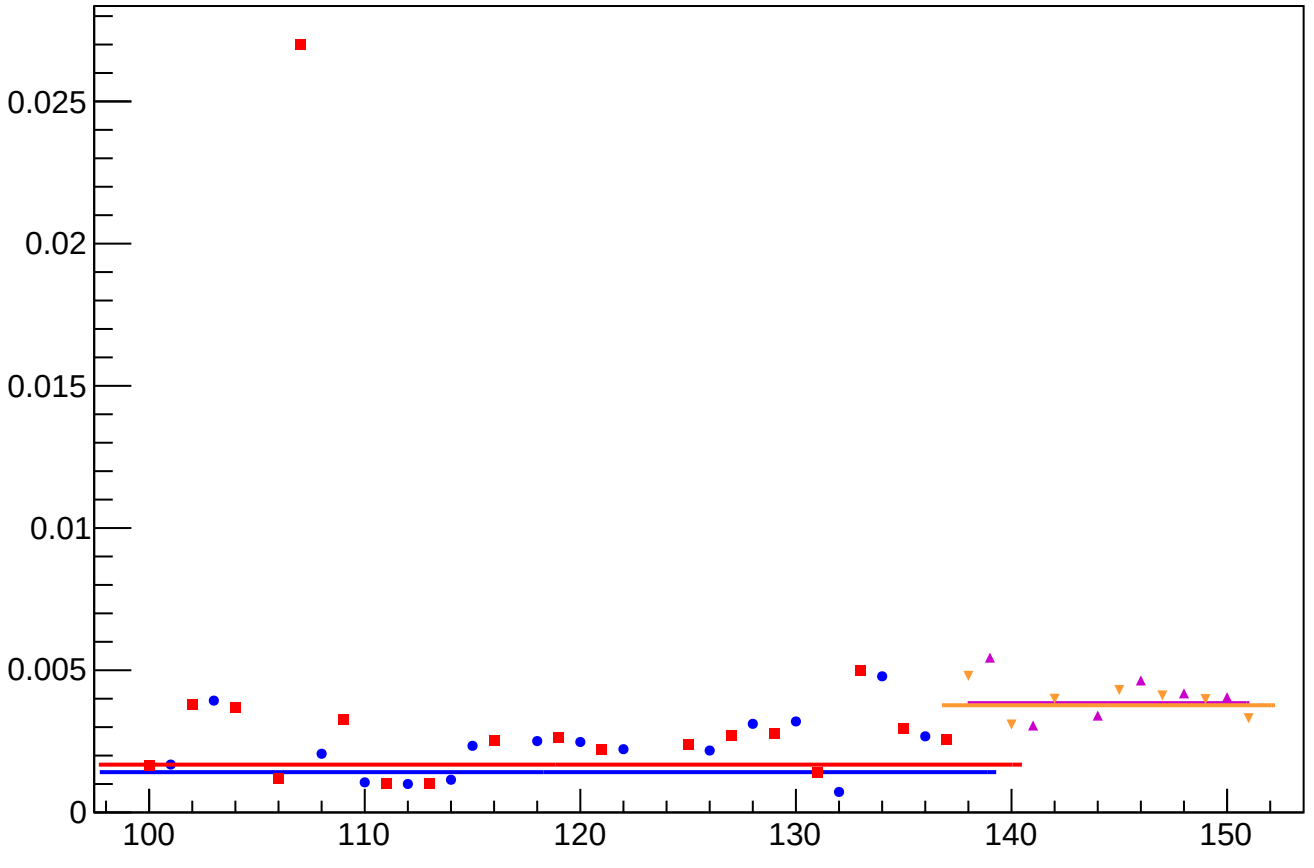
Left: -0.000+/-0.000 χ^2/NDF: 30.0/12

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

In: -0.000+/-0.000 χ^2/NDF:19.3/21

Out: -0.000+/-0.000 χ^2/NDF:40.8/24

All: -0.000+/-0.000 χ^2/NDF: 60.2/46



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:224725.6/6

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:359225.0/5

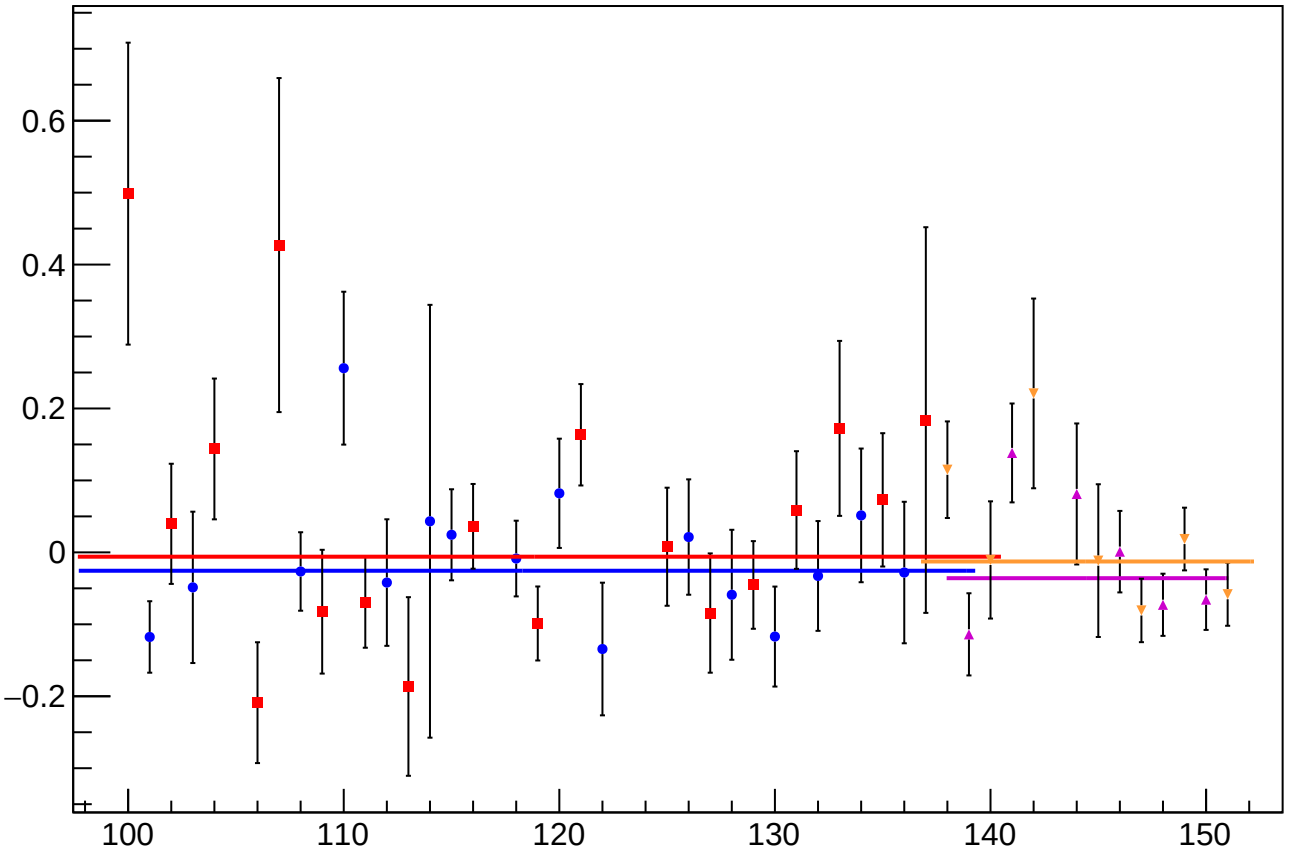
Left: 0.004+/-0.000 χ^2/NDF: 585921.7/12

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

In: 0.002+/-0.000 χ^2/NDF:7452026.6/21

Out: 0.002+/-0.000 χ^2/NDF:6306928.2/24

All: 0.002+/-0.000 χ^2/NDF: 14023226.7/46



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.036+/-0.022 χ^2/NDF:11.4/5

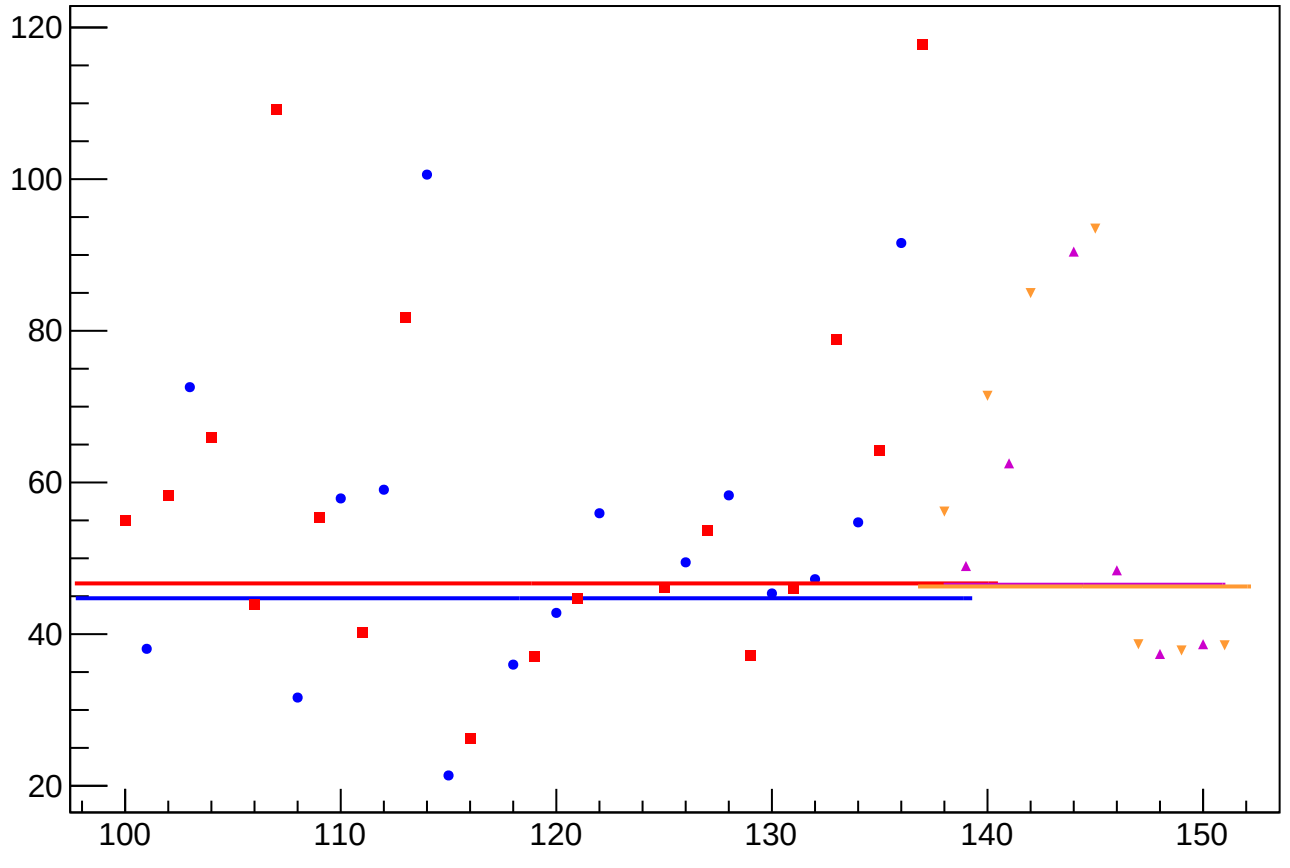
Left: -0.024+/-0.016 χ^2/NDF: 22.6/12

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

In: -0.030+/-0.014 χ^2/NDF:29.1/21

Out: -0.009+/-0.015 χ^2/NDF:47.3/24

All: -0.020+/-0.010 χ^2/NDF: 77.5/46



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 46.286+/-0.016 χ^2/NDF:998455.6/6

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 46.517+/-0.016 χ^2/NDF:675141.0/5

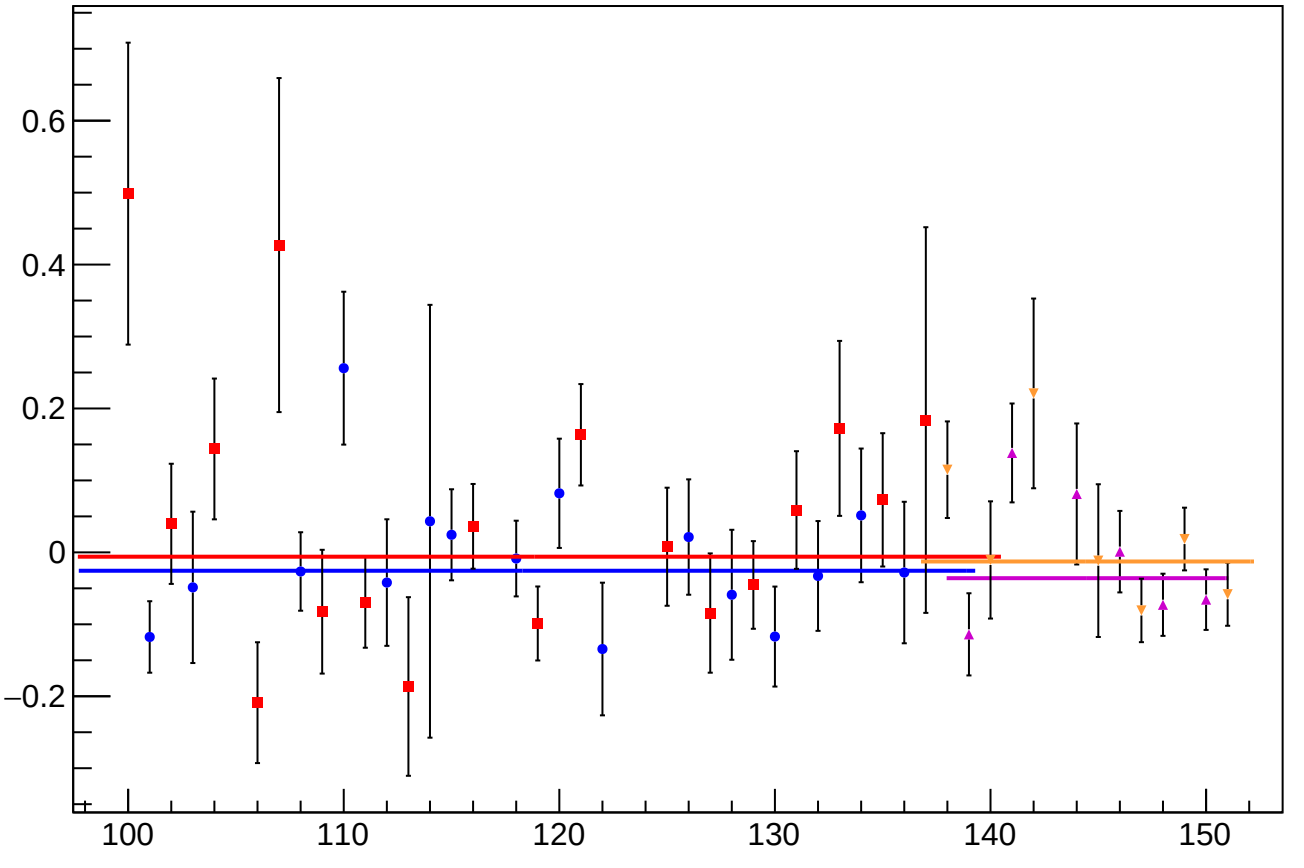
Left: 46.400+/-0.011 χ^2/NDF: 1673706.5/12

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

In: 45.477+/-0.010 χ^2/NDF:2017298.6/21

Out: 46.513+/-0.010 χ^2/NDF:2194339.6/24

All: 45.988+/-0.007 χ^2/NDF: 4216788.5/46



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.013+/-0.022 χ^2/NDF:10.7/6

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.036+/-0.022 χ^2/NDF:11.4/5

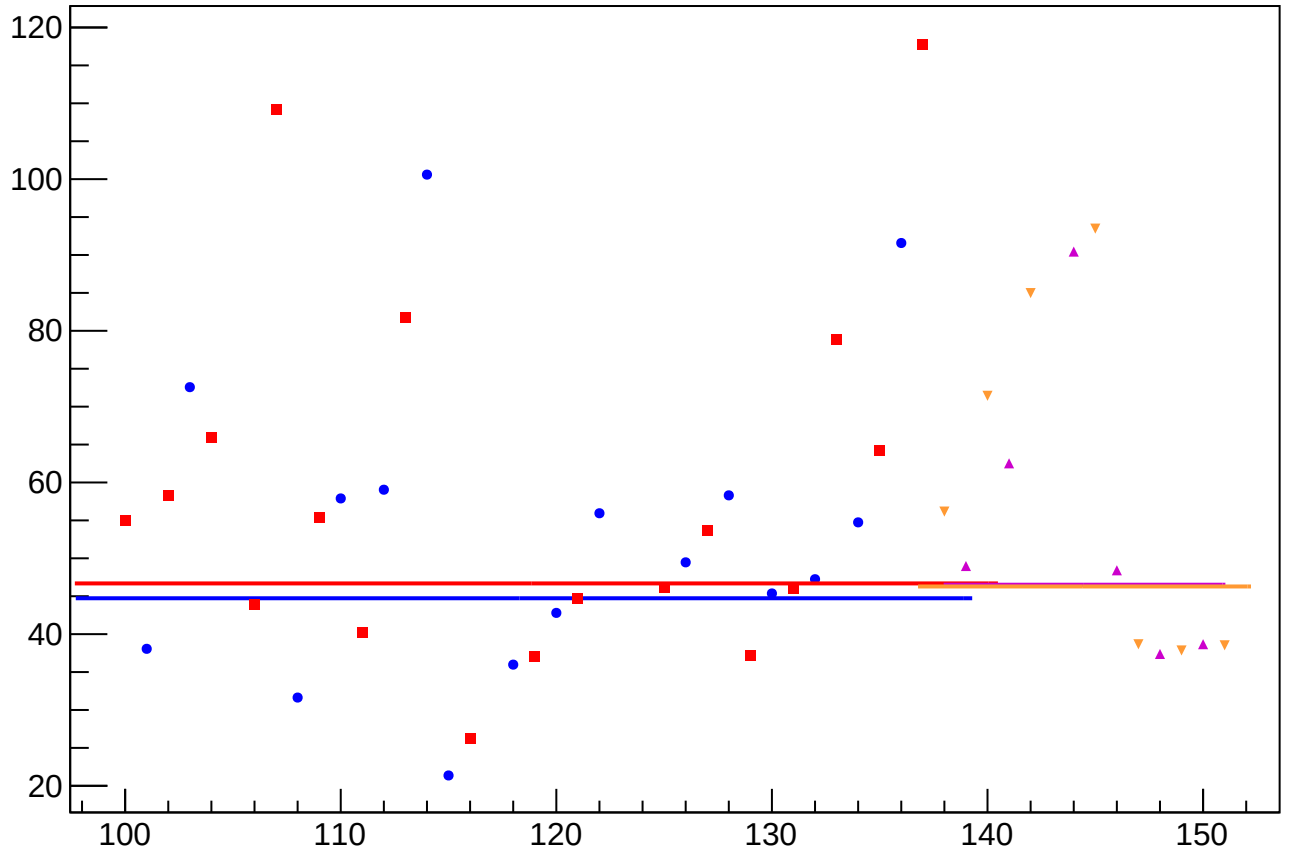
Left: -0.024+/-0.016 χ^2/NDF: 22.6/12

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

In: -0.030+/-0.014 χ^2/NDF:29.1/21

Out: -0.009+/-0.015 χ^2/NDF:47.3/24

All: -0.020+/-0.010 χ^2/NDF: 77.5/46



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 46.286+/-0.016 χ^2/NDF:998455.6/6

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 46.517+/-0.016 χ^2/NDF:675141.0/5

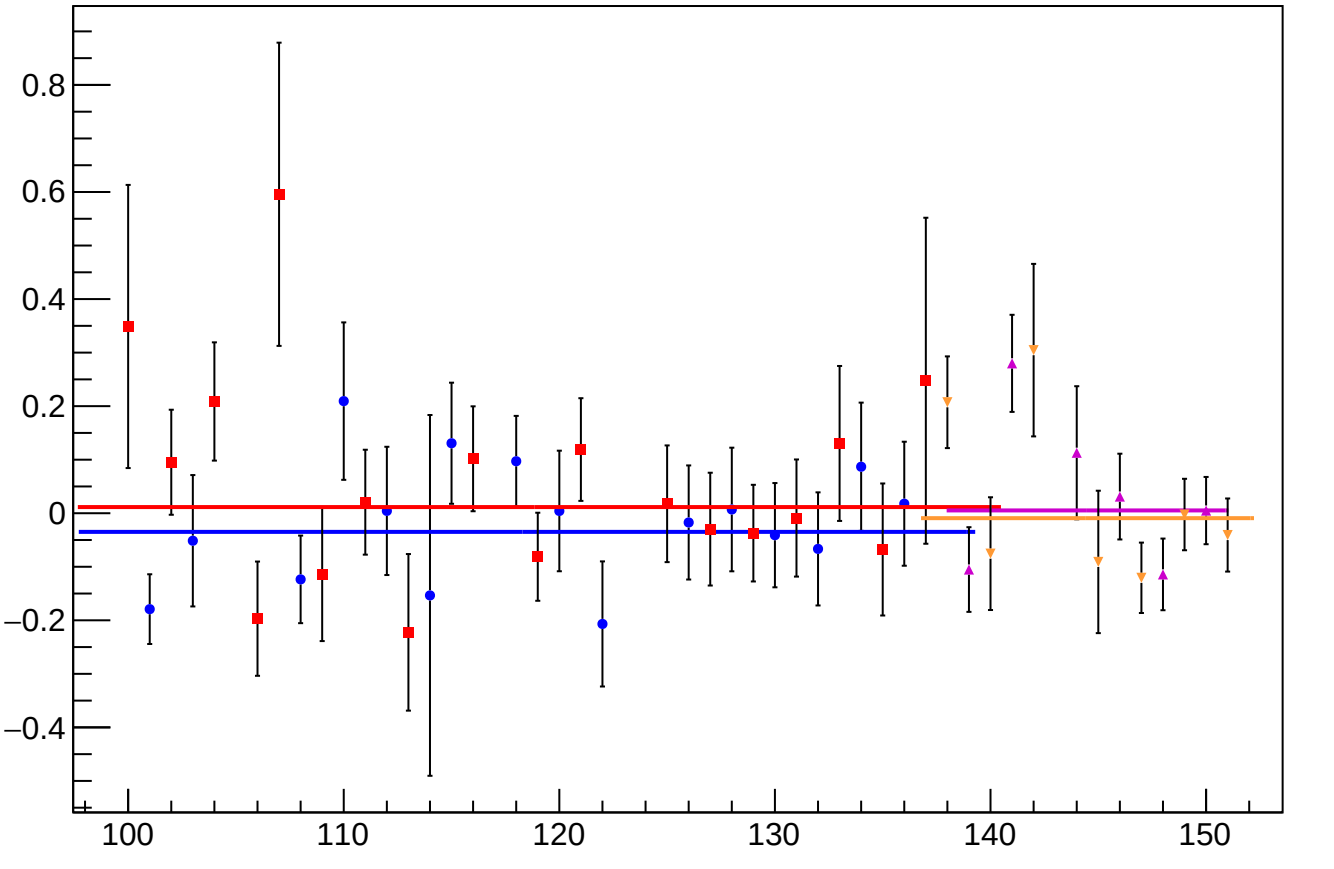
Left: 46.400+/-0.011 χ^2/NDF: 1673706.5/12

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

In: 45.477+/-0.010 χ^2/NDF:2017298.6/21

Out: 46.513+/-0.010 χ^2/NDF:2194339.6/24

All: 45.988+/-0.007 χ^2/NDF: 4216788.5/46



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.009+/-0.032 χ^2/NDF:14.1/6

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.005+/-0.032 χ^2/NDF:15.2/5

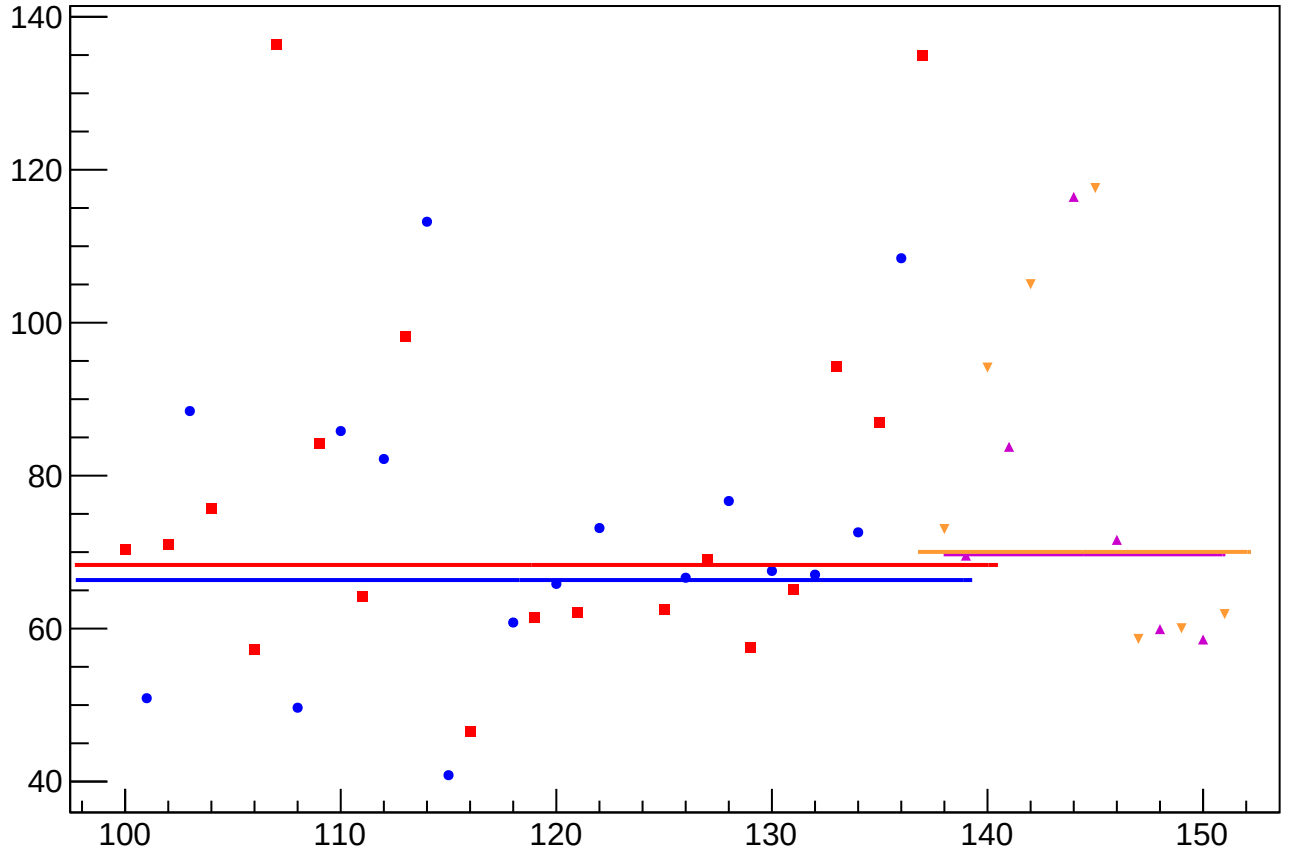
Left: -0.002+/-0.023 χ^2/NDF: 29.3/12

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

In: -0.019+/-0.020 χ^2/NDF:33.6/21

Out: 0.003+/-0.021 χ^2/NDF:37.1/24

All: -0.008+/-0.014 χ^2/NDF: 71.2/46



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 70.028+/-0.022 χ^2/NDF:590735.7/6

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 69.712+/-0.023 χ^2/NDF:437628.3/5

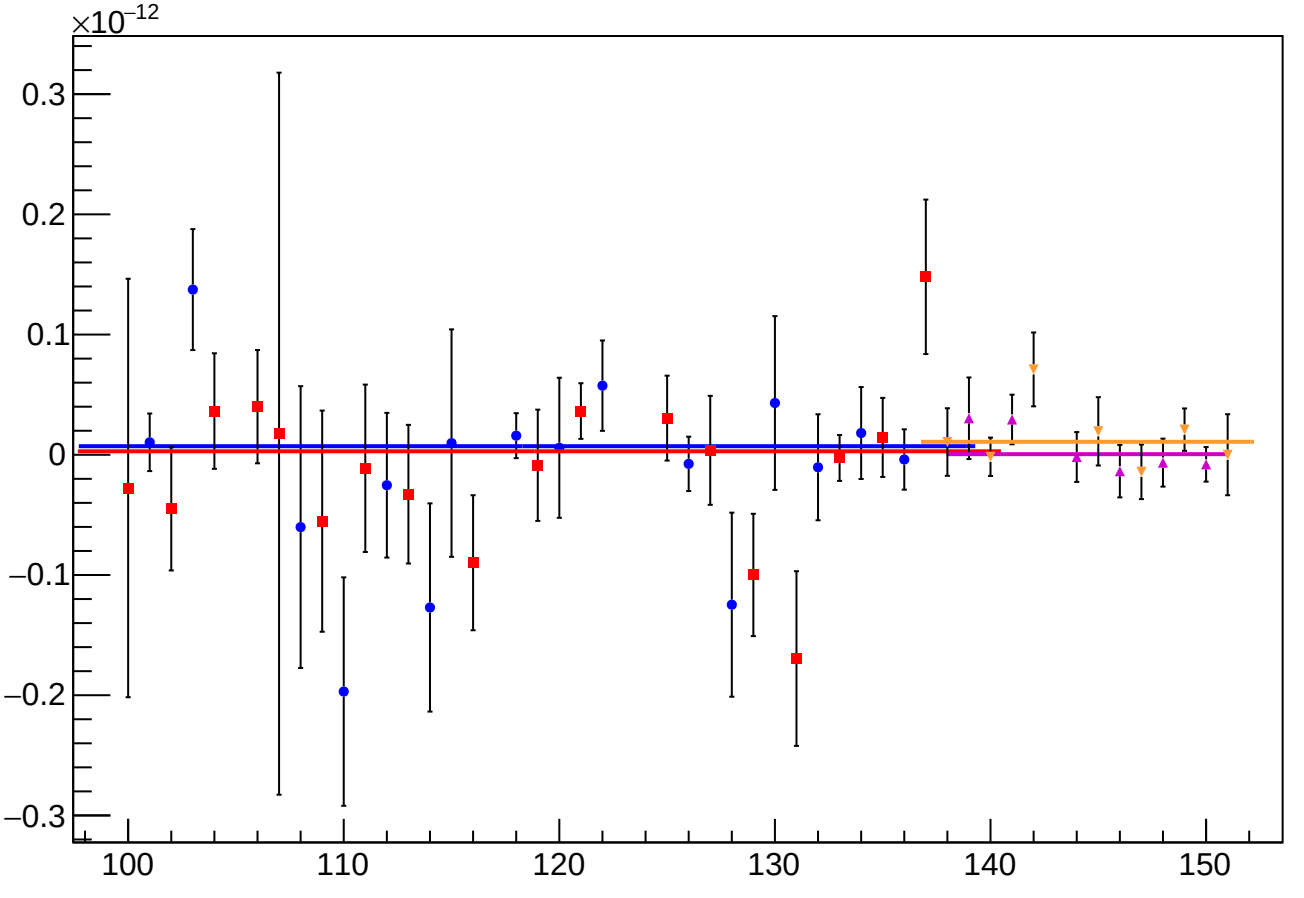
Left: 69.871+/-0.016 χ^2/NDF: 1028462.1/12

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

In: 67.704+/-0.014 χ^2/NDF:1223513.5/21

Out: 69.034+/-0.015 χ^2/NDF:1223764.9/24

All: 68.362+/-0.010 χ^2/NDF: 2451524.1/46



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/6

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

Left In: 0.000+/-0.000 χ^2/NDF:3.6/5

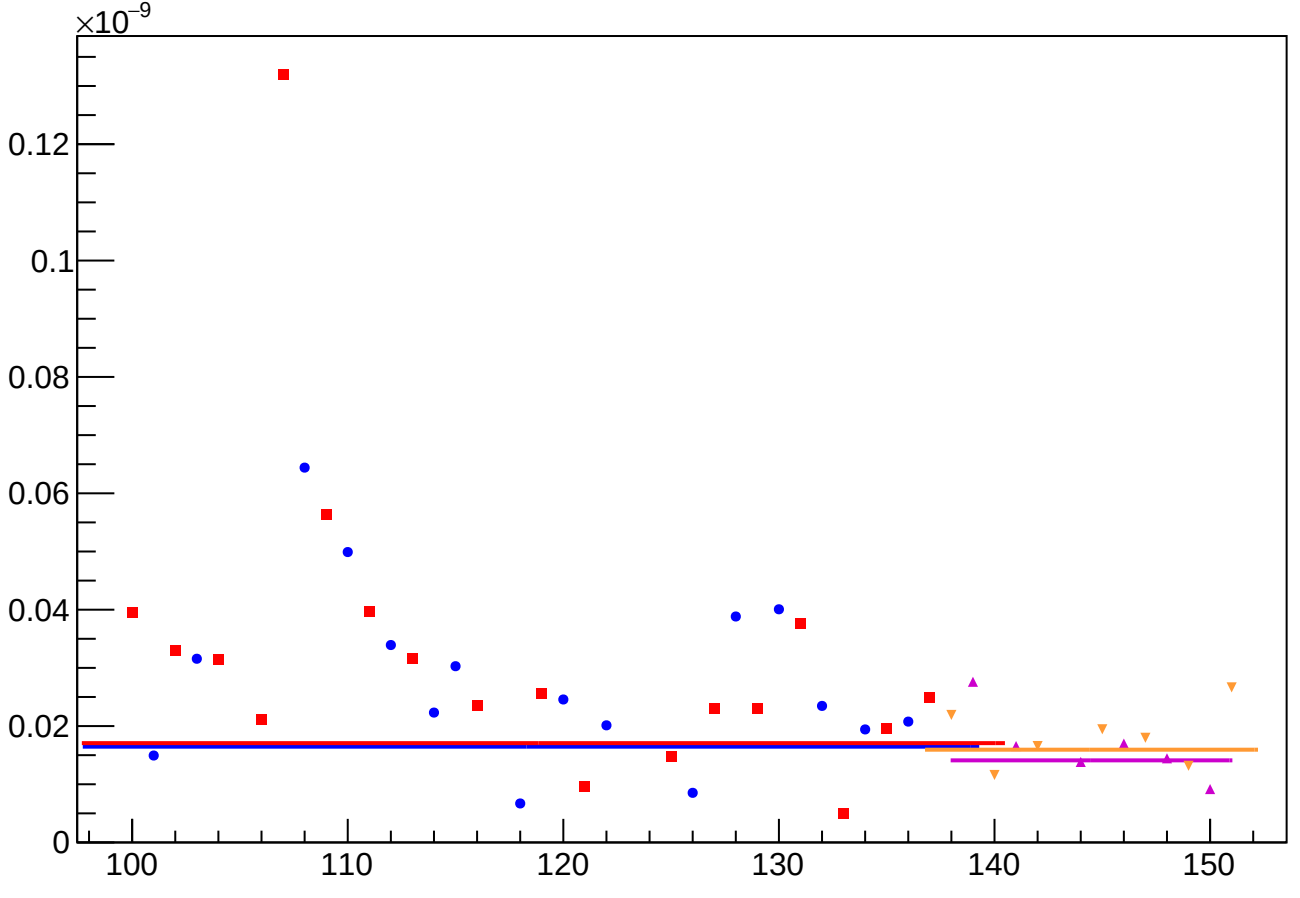
Left: 0.000+/-0.000 χ^2/NDF: 10.6/12

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:24.4/21

Out: 0.000+/-0.000 χ^2/NDF:29.9/24

All: 0.000+/-0.000 χ^2/NDF: 54.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:537604.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:616365.7/5

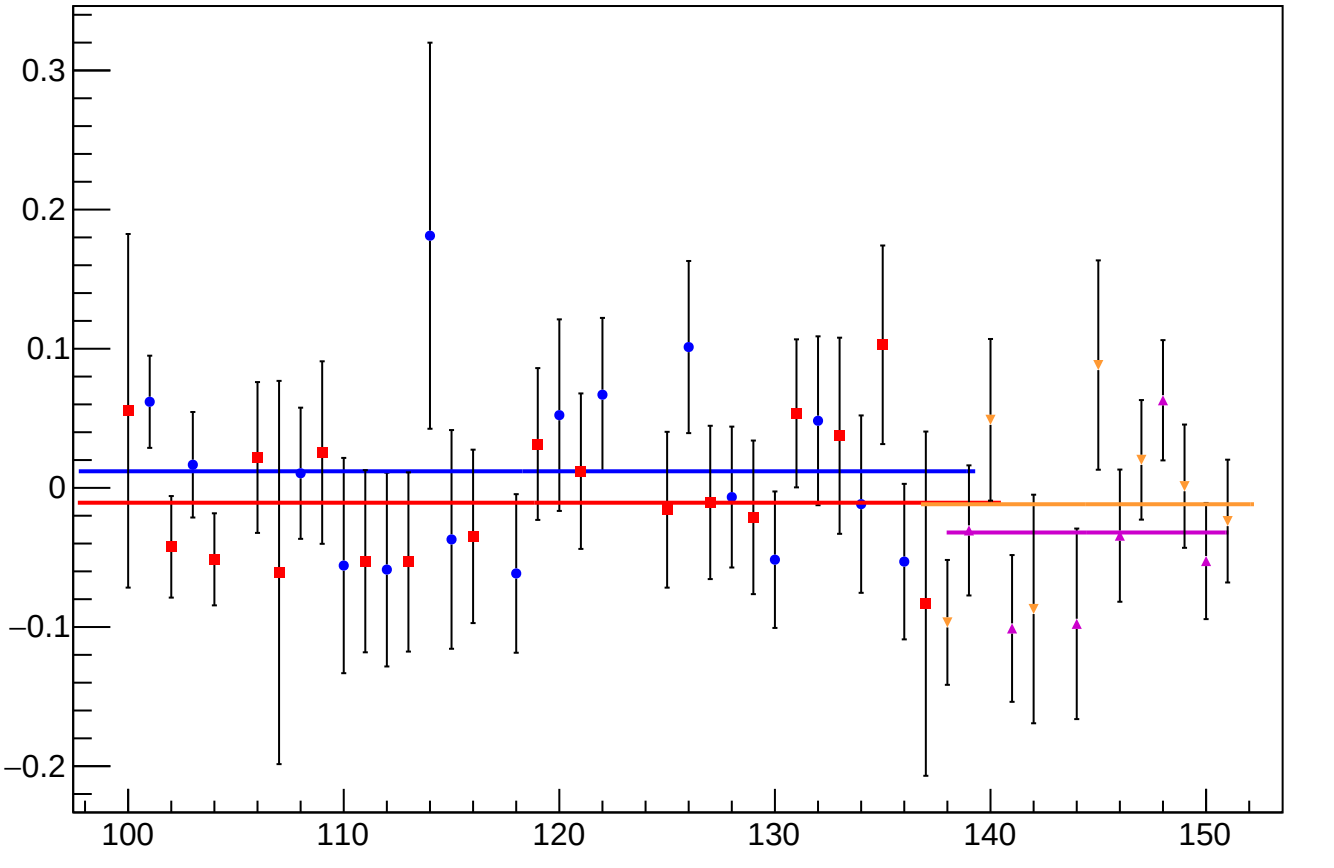
Left: 0.000+/-0.000 χ^2/NDF: 1201714.3/12

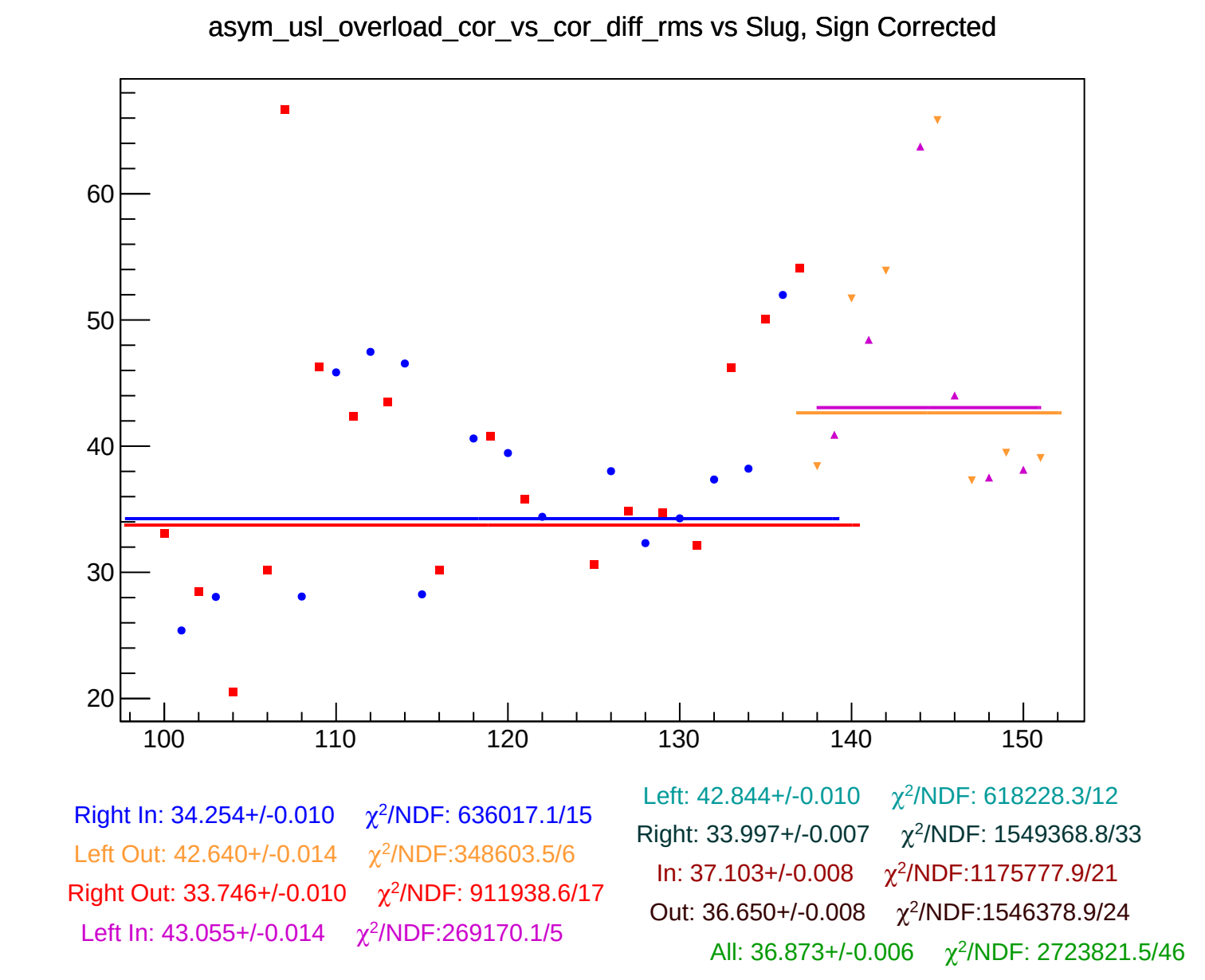
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

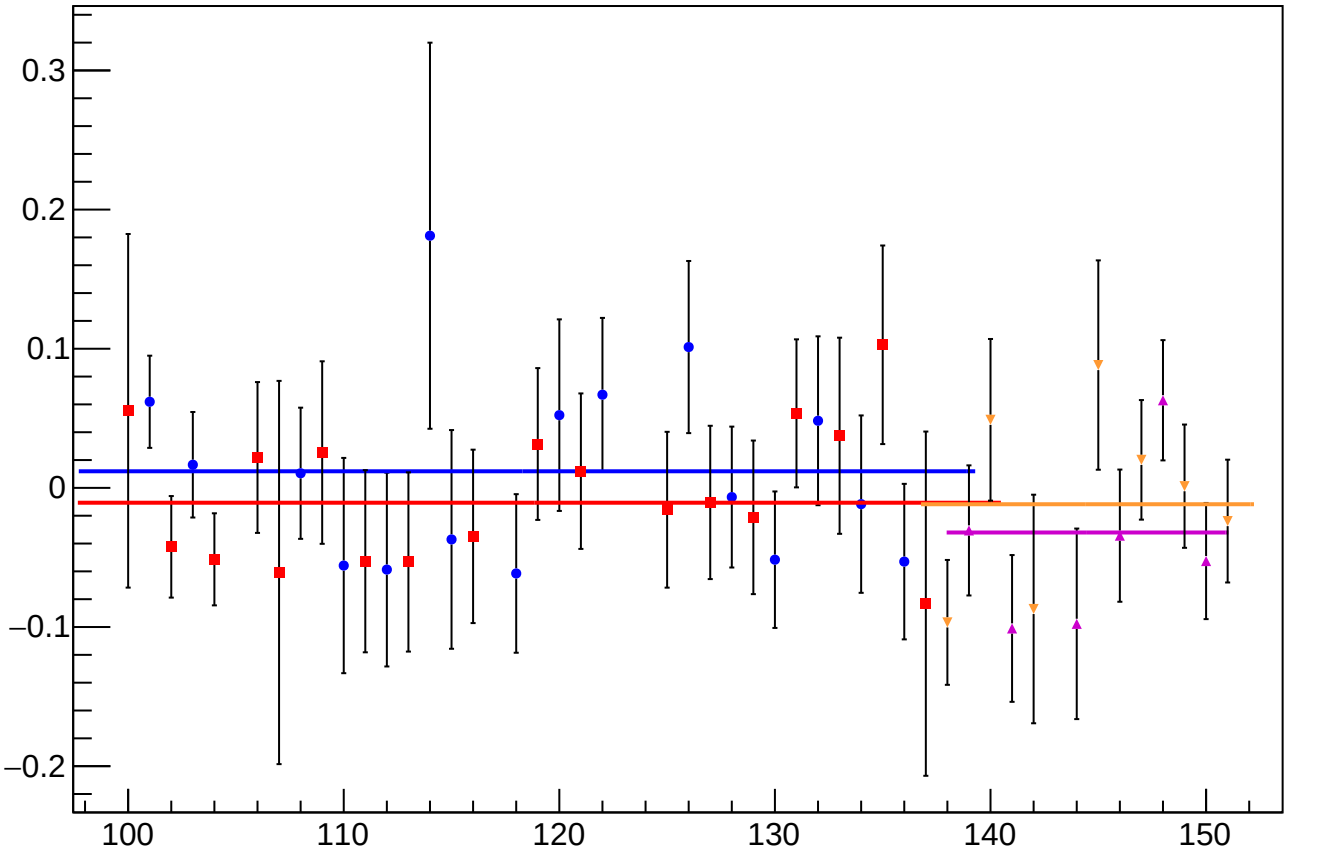
In: 0.000+/-0.000 χ^2/NDF:3035424.9/21

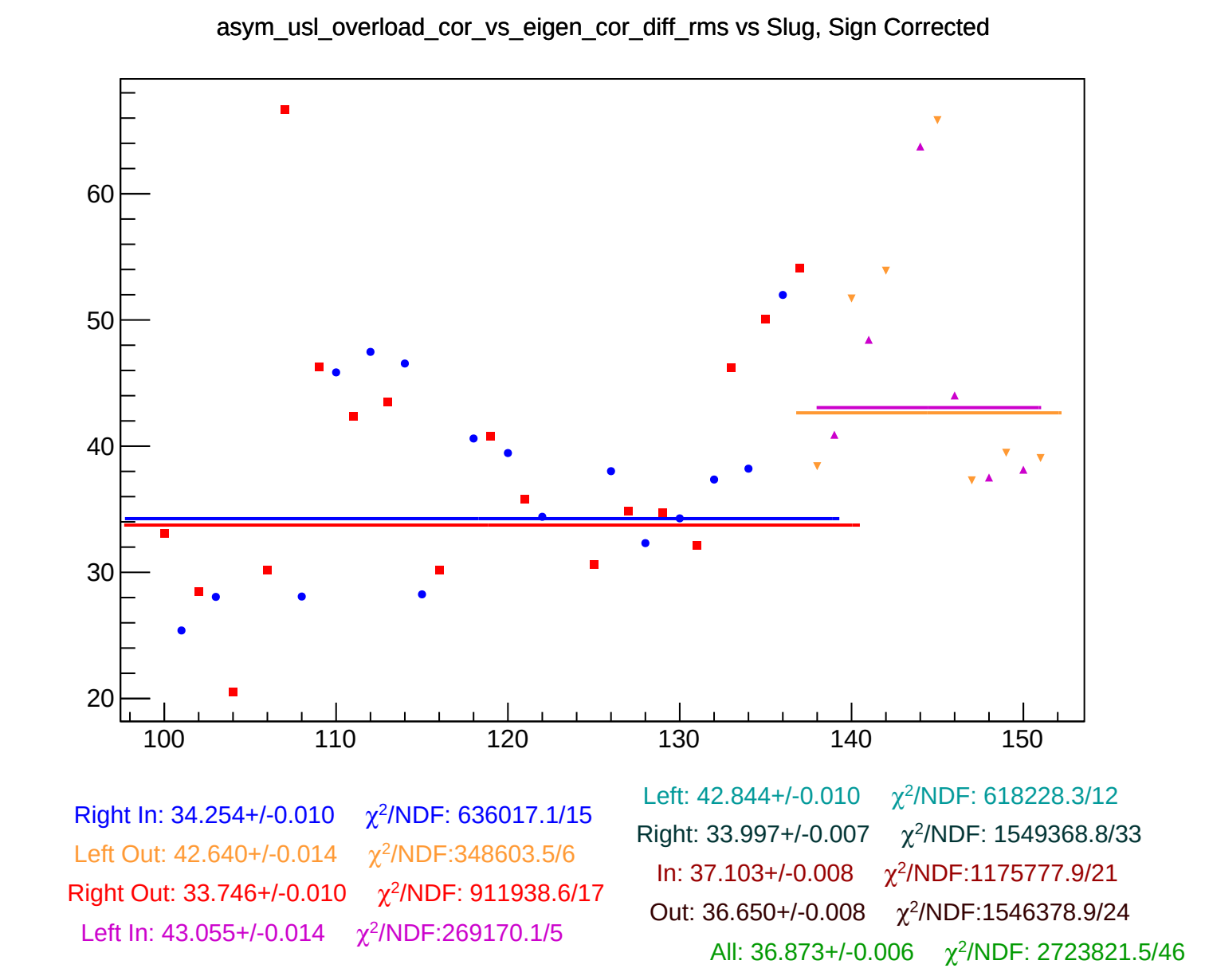
Out: 0.000+/-0.000 χ^2/NDF:3343901.2/24

All: 0.000+/-0.000 χ^2/NDF: 6421010.7/46

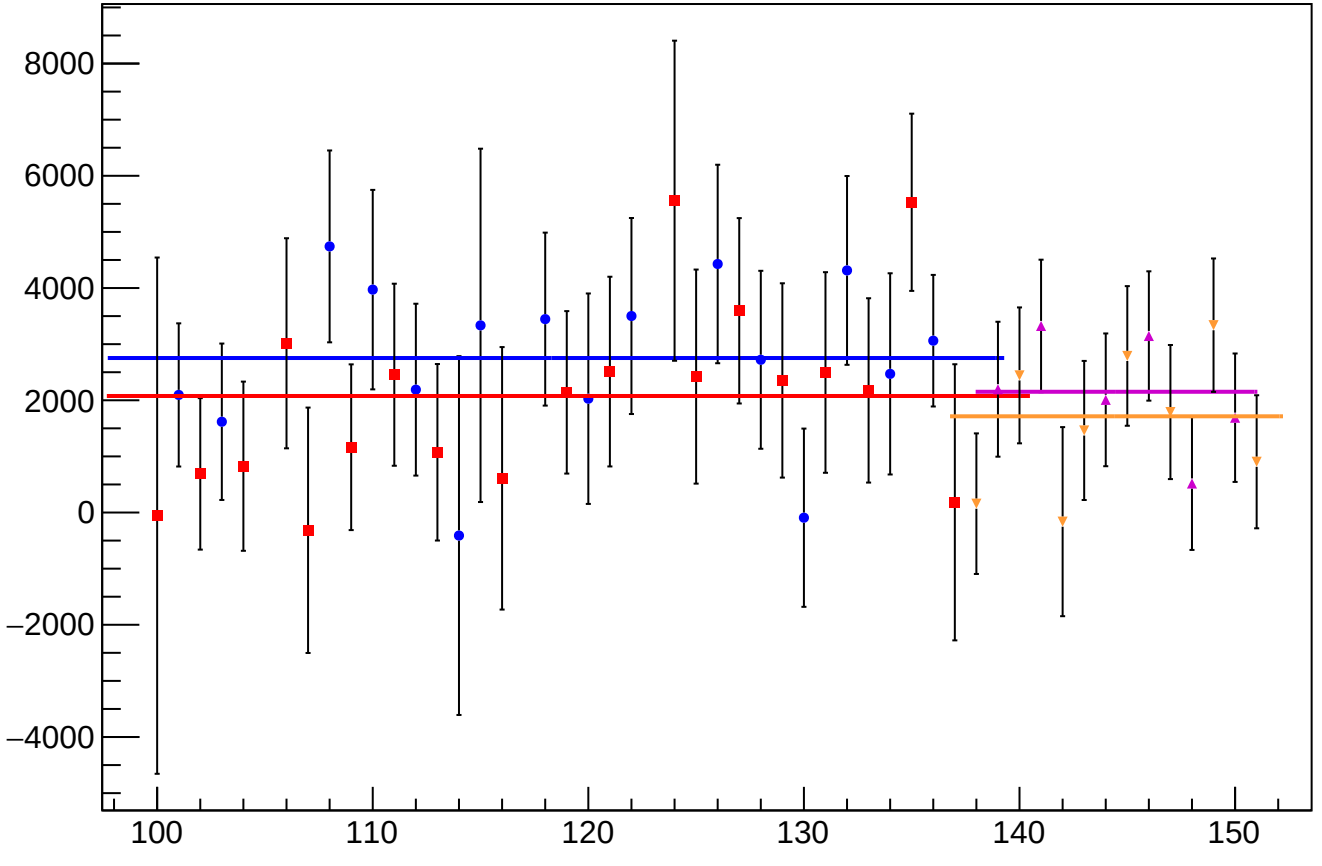

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.012+/-0.019 χ²/NDF:8.0/6
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.032+/-0.020 χ²/NDF:7.7/5
Left: -0.022+/-0.014 χ²/NDF: 16.2/12
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.002+/-0.011 χ²/NDF:25.8/21
Out: -0.011+/-0.011 χ²/NDF:17.9/24
All: -0.007+/-0.008 χ²/NDF: 44.0/46


asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 42.640+/-0.014 χ²/NDF:348603.5/6
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 43.055+/-0.014 χ²/NDF:269170.1/5
Left: 42.844+/-0.010 χ²/NDF: 618228.3/12
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.103+/-0.008 χ²/NDF:1175777.9/21
Out: 36.650+/-0.008 χ²/NDF:1546378.9/24
All: 36.873+/-0.006 χ²/NDF: 2723821.5/46


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.012+/-0.019 χ²/NDF:8.0/6
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.032+/-0.020 χ²/NDF:7.7/5
Left: -0.022+/-0.014 χ²/NDF: 16.2/12
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.002+/-0.011 χ²/NDF:25.8/21
Out: -0.011+/-0.011 χ²/NDF:17.9/24
All: -0.007+/-0.008 χ²/NDF: 44.0/46


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 42.640+/-0.014 χ²/NDF:348603.5/6
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 43.055+/-0.014 χ²/NDF:269170.1/5
Left: 42.844+/-0.010 χ²/NDF: 618228.3/12
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.103+/-0.008 χ²/NDF:1175777.9/21
Out: 36.650+/-0.008 χ²/NDF:1546378.9/24
All: 36.873+/-0.006 χ²/NDF: 2723821.5/46

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1714.526+/-443.283 χ^2/NDF:6.3/7

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2151.600+/-479.188 χ^2/NDF:3.8/5

Left: 1916.077+/-325.403 χ^2/NDF: 10.5/13

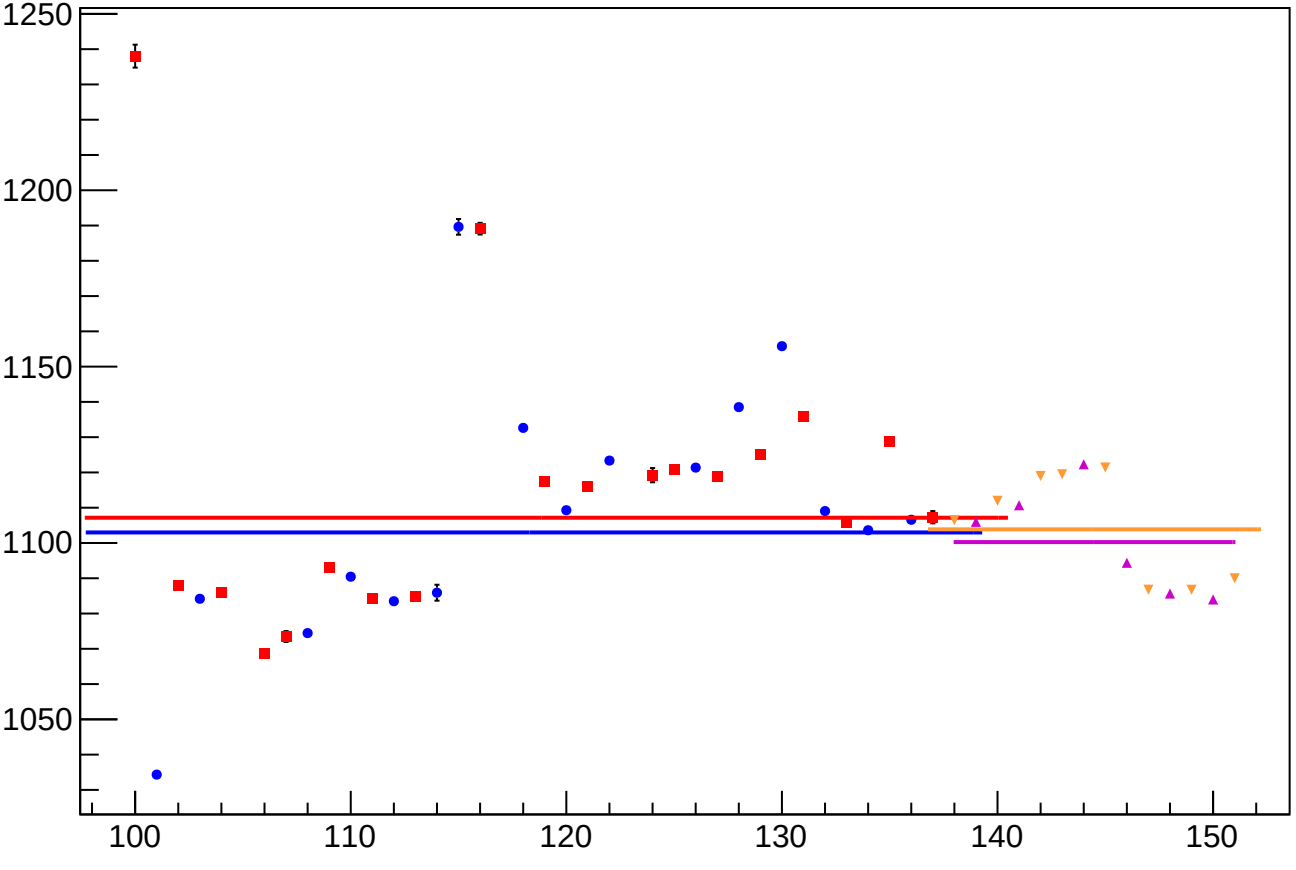
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2499.001+/-311.459 χ^2/NDF:14.2/21

Out: 1912.335+/-298.513 χ^2/NDF:19.2/26

All: 2193.222+/-215.512 χ^2/NDF: 35.3/48

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1103.870+/-0.313 χ^2/NDF:2073.5/7

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1100.253+/-0.339 χ^2/NDF:1658.0/5

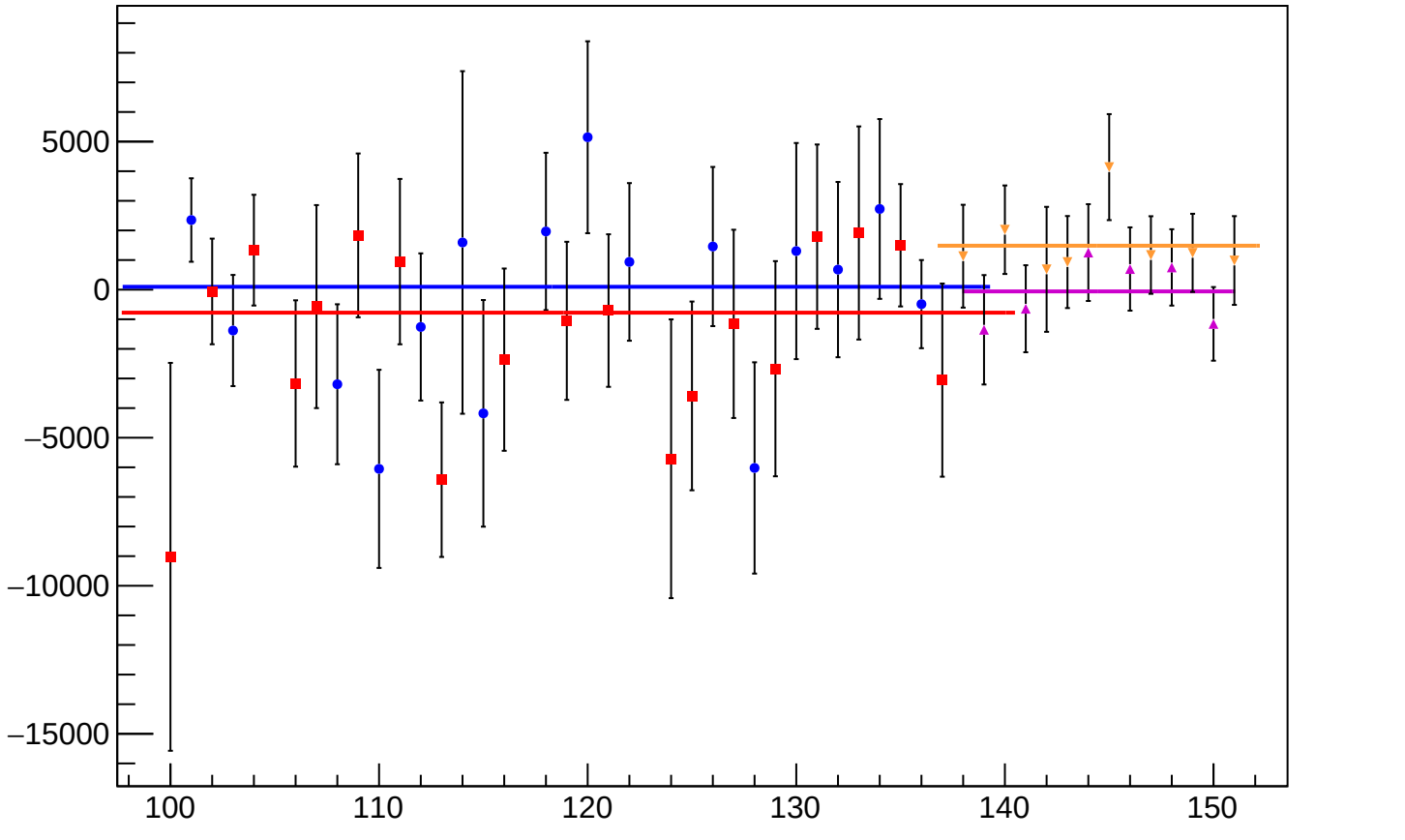
Left: 1102.202+/-0.230 χ^2/NDF: 3792.9/13

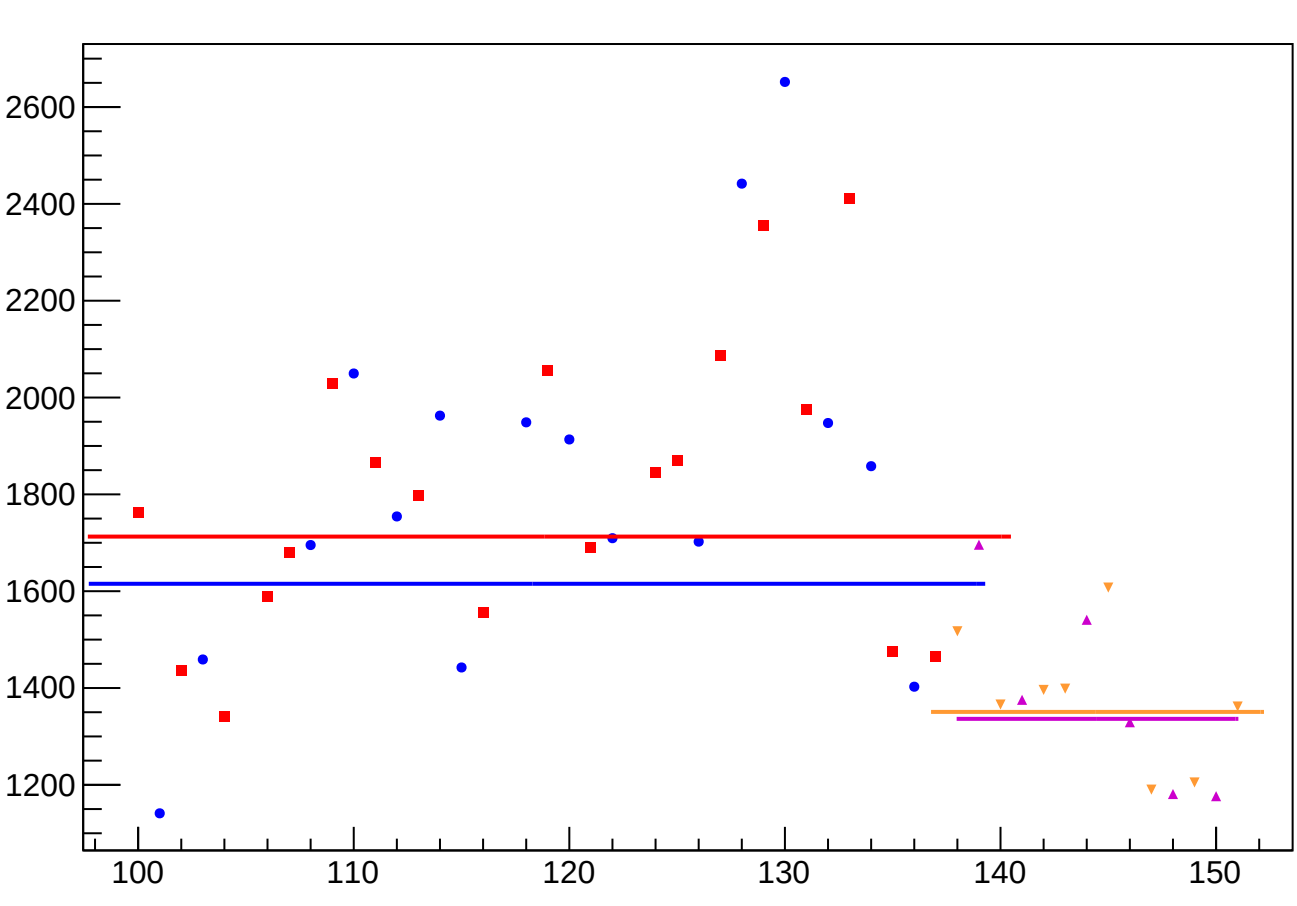
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1101.832+/-0.220 χ^2/NDF:14919.4/21

Out: 1105.668+/-0.211 χ^2/NDF:10817.0/26

All: 1103.831+/-0.152 χ^2/NDF: 25894.5/48


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 1484.078+/-547.771 χ²/NDF:2.8/7
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: -58.904+/-588.771 χ²/NDF:2.8/5
Left: 768.176+/-401.044 χ²/NDF: 9.3/13
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 14.765+/-426.314 χ²/NDF:19.7/21
Out: 522.811+/-415.318 χ²/NDF:25.2/26
All: 275.424+/-297.486 χ²/NDF: 45.6/48



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1350.686+/-0.387 χ^2/NDF:117165.6/7

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1336.320+/-0.416 χ^2/NDF:170670.8/5

Left: 1344.021+/-0.284 χ^2/NDF: 288474.6/13

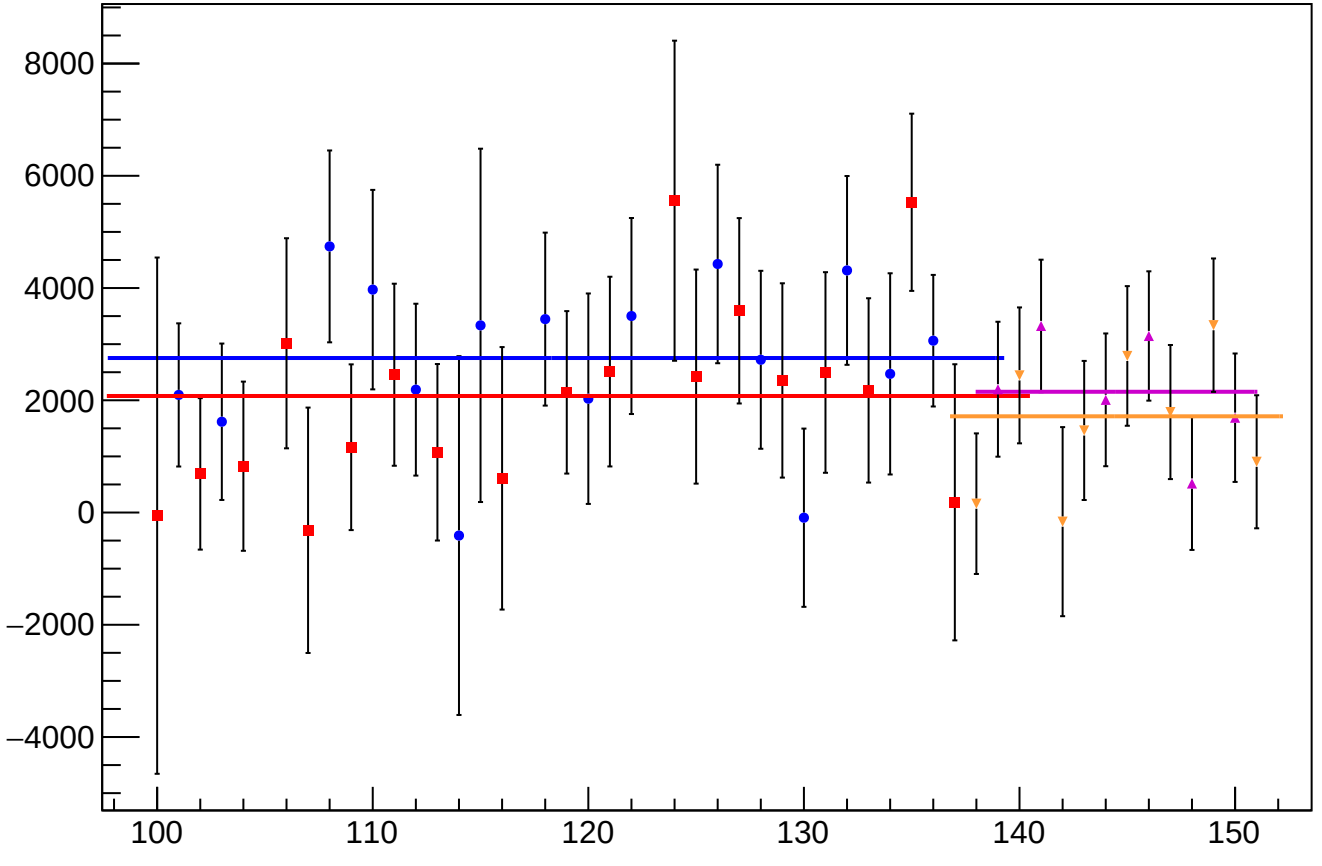
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1469.043+/-0.301 χ^2/NDF:1077939.0/21

Out: 1504.633+/-0.294 χ^2/NDF:916806.3/26

All: 1487.303+/-0.210 χ^2/NDF: 2001897.0/48

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1714.526+/-443.283 χ^2/NDF:6.3/7

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2151.600+/-479.188 χ^2/NDF:3.8/5

Left: 1916.077+/-325.403 χ^2/NDF: 10.5/13

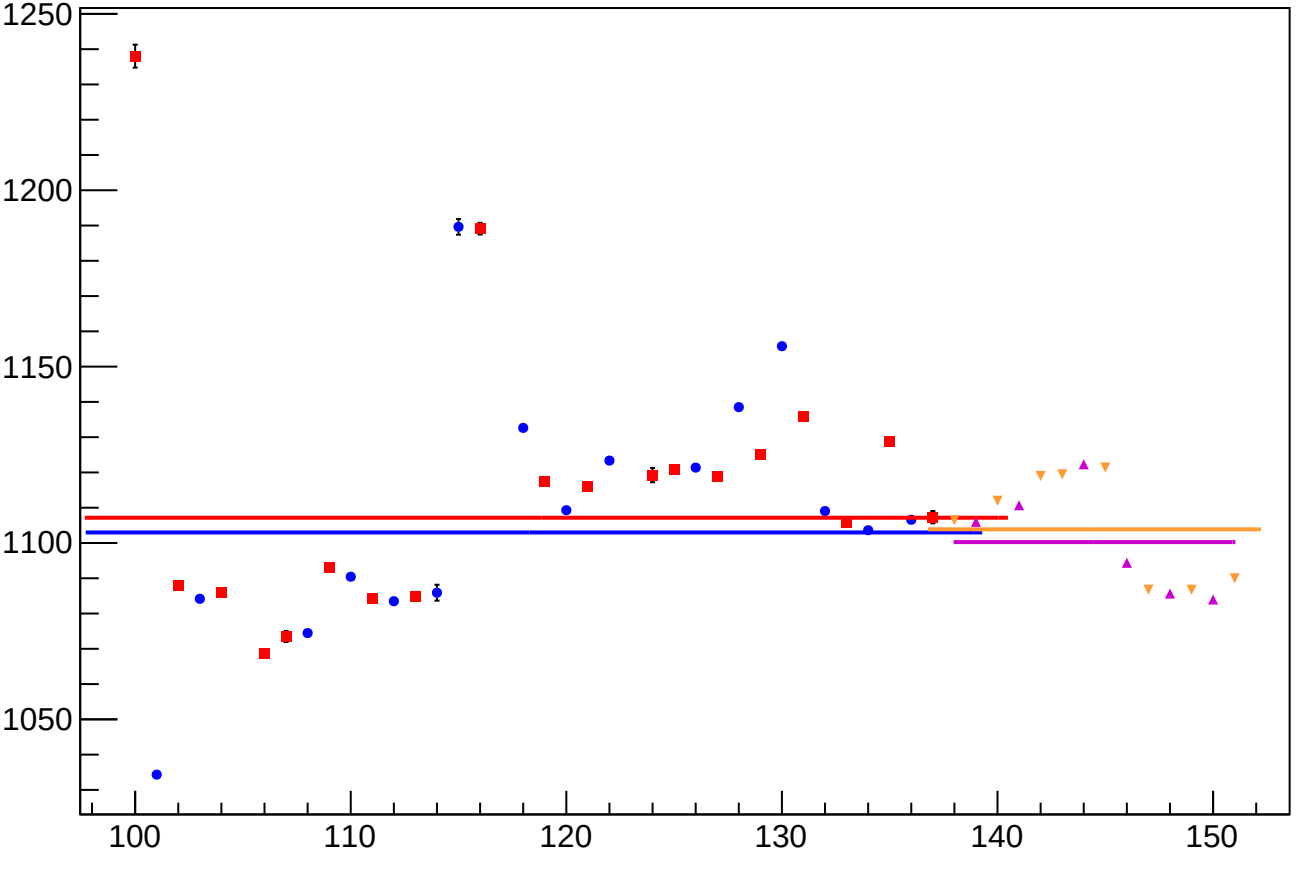
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2499.001+/-311.459 χ^2/NDF:14.2/21

Out: 1912.335+/-298.513 χ^2/NDF:19.2/26

All: 2193.222+/-215.512 χ^2/NDF: 35.3/48

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1103.870+/-0.313 χ^2/NDF:2073.5/7

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1100.253+/-0.339 χ^2/NDF:1658.0/5

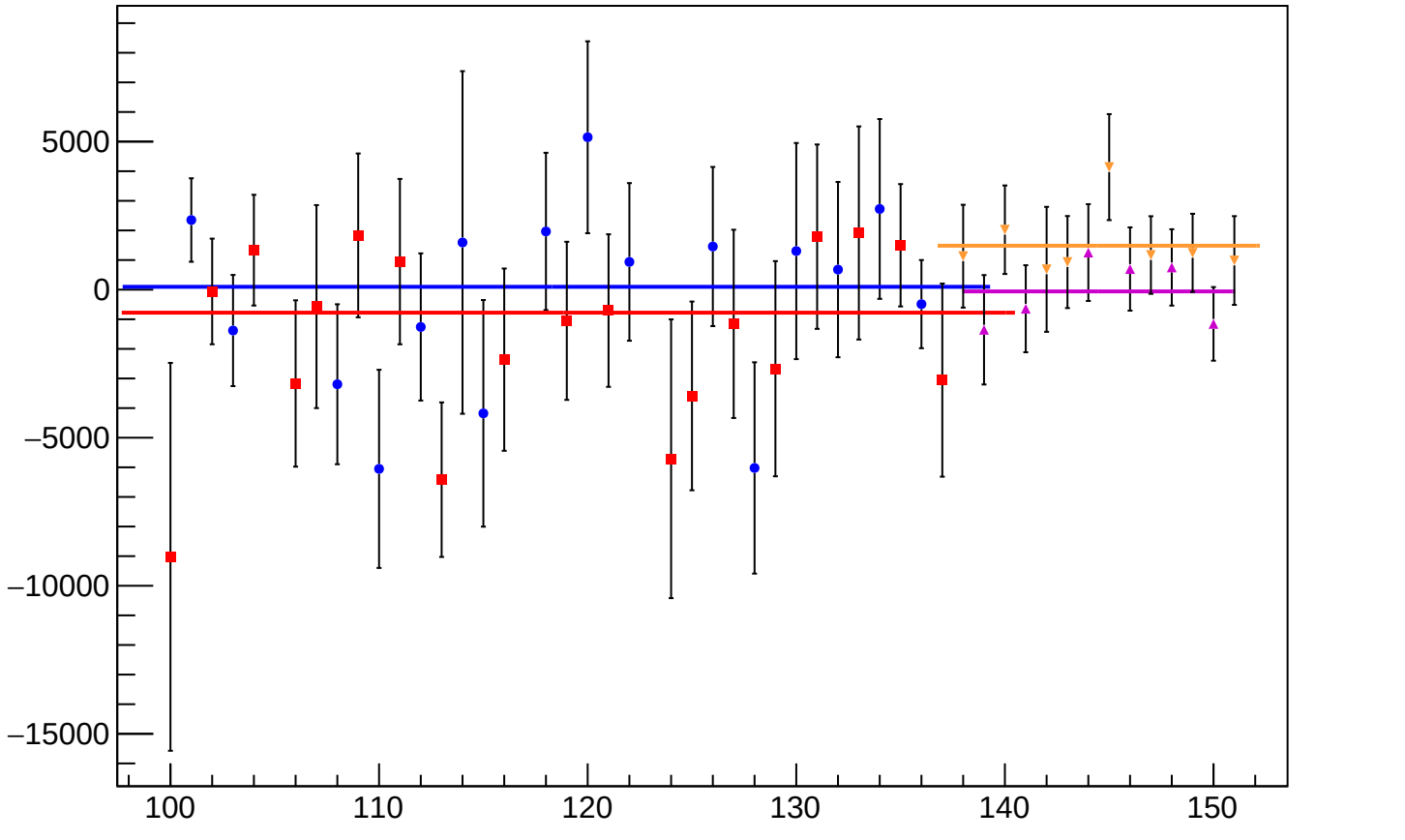
Left: 1102.202+/-0.230 χ^2/NDF: 3792.9/13

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

In: 1101.832+/-0.220 χ^2/NDF:14919.4/21

Out: 1105.668+/-0.211 χ^2/NDF:10817.0/26

All: 1103.831+/-0.152 χ^2/NDF: 25894.5/48



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1484.078+/-547.771 χ^2/NDF:2.8/7

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -58.904+/-588.771 χ^2/NDF:2.8/5

Left: 768.176+/-401.044 χ^2/NDF: 9.3/13

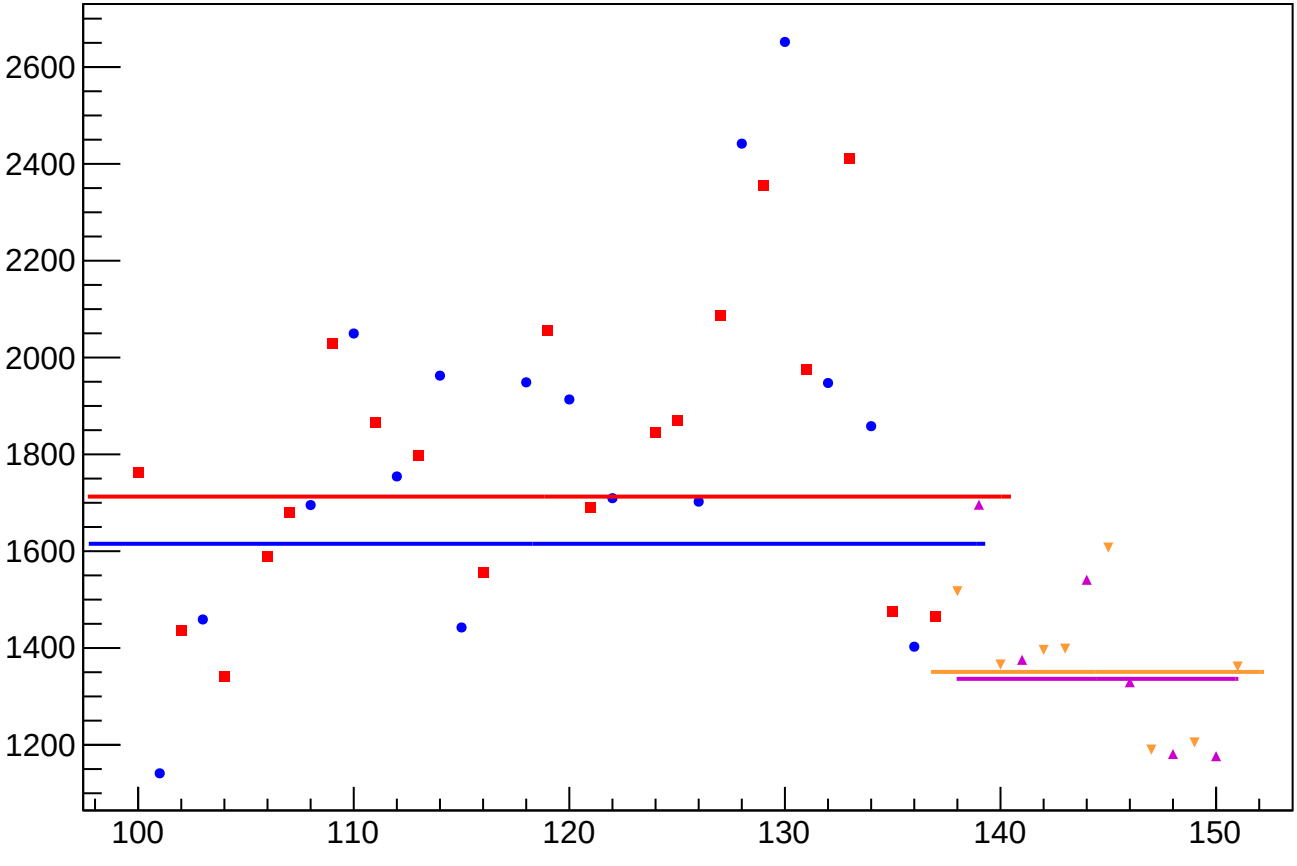
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 14.765+/-426.314 χ^2/NDF:19.7/21

Out: 522.811+/-415.318 χ^2/NDF:25.2/26

All: 275.424+/-297.486 χ^2/NDF: 45.6/48

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1350.686+/-0.387 χ^2/NDF:117165.6/7

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1336.320+/-0.416 χ^2/NDF:170670.8/5

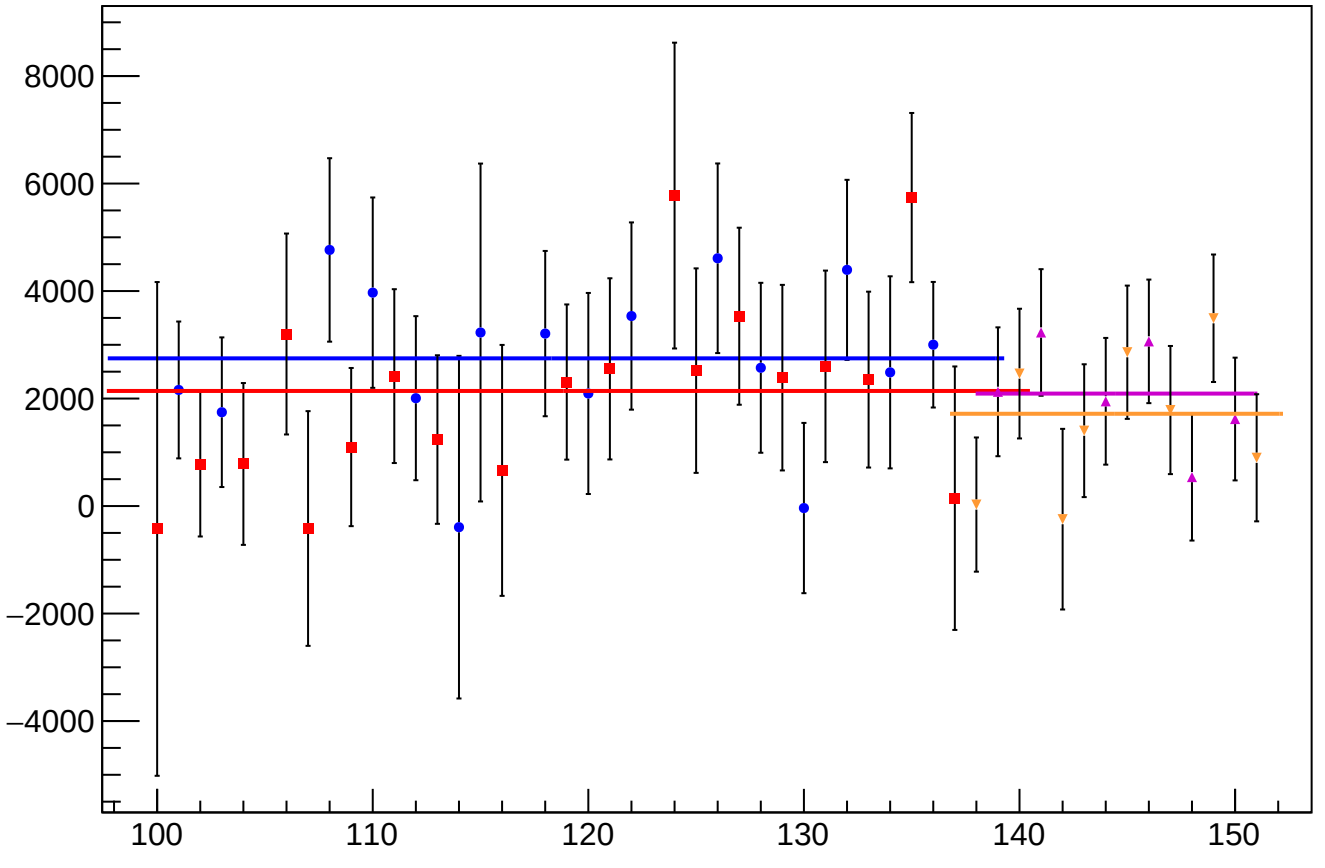
Left: 1344.021+/-0.284 χ^2/NDF: 288474.6/13

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

In: 1469.043+/-0.301 χ^2/NDF:1077939.0/21

Out: 1504.633+/-0.294 χ^2/NDF:916806.3/26

All: 1487.303+/-0.210 χ^2/NDF: 2001897.0/48



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1716.814+/-442.053 χ^2/NDF:7.2/7

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2092.261+/-477.988 χ^2/NDF:3.6/5

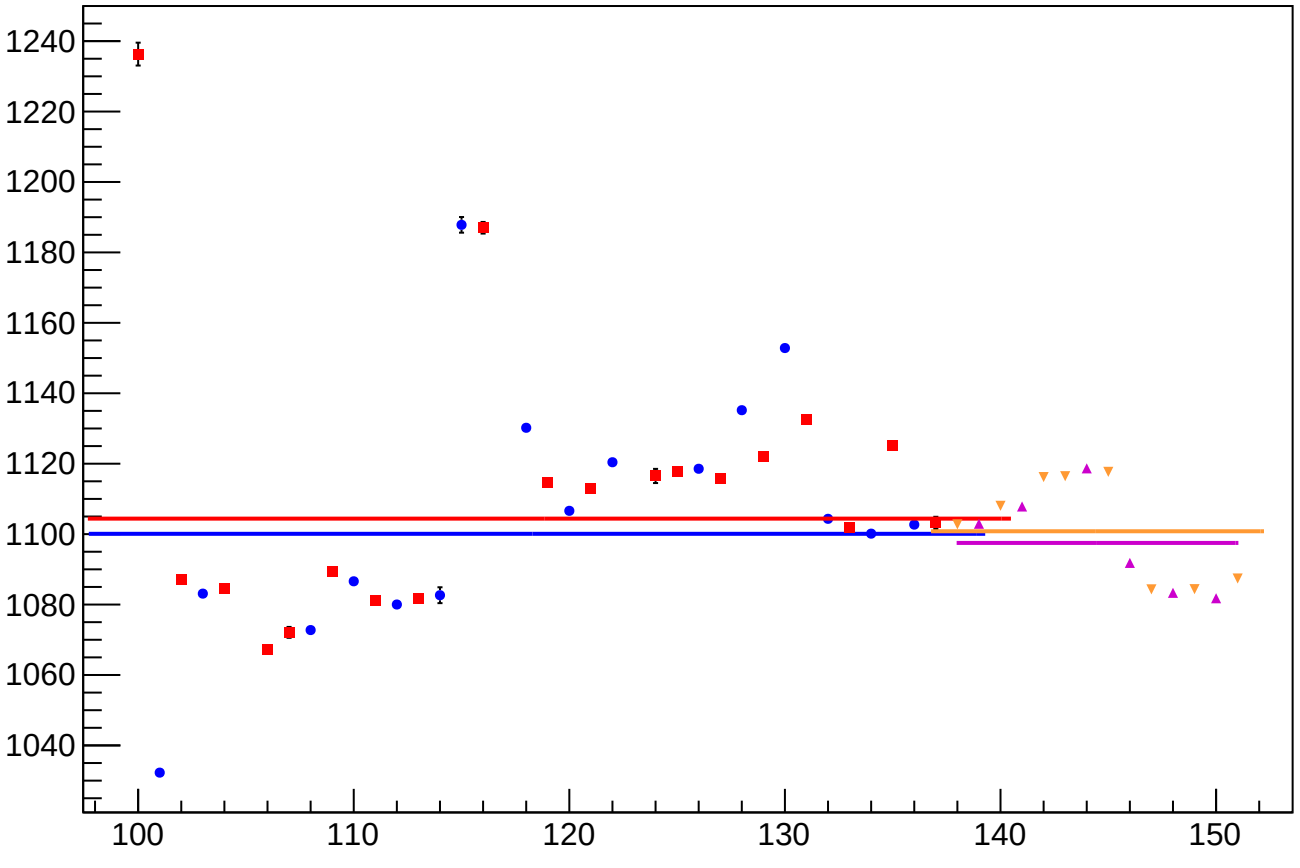
Left: 1889.896+/-324.540 χ^2/NDF: 11.1/13

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

In: 2470.979+/-310.656 χ^2/NDF:14.2/21

Out: 1948.671+/-297.730 χ^2/NDF:21.3/26

All: 2198.733+/-214.951 χ^2/NDF: 36.9/48



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1100.812+/-0.313 χ^2/NDF:1959.5/7

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1097.502+/-0.338 χ^2/NDF:1556.1/5

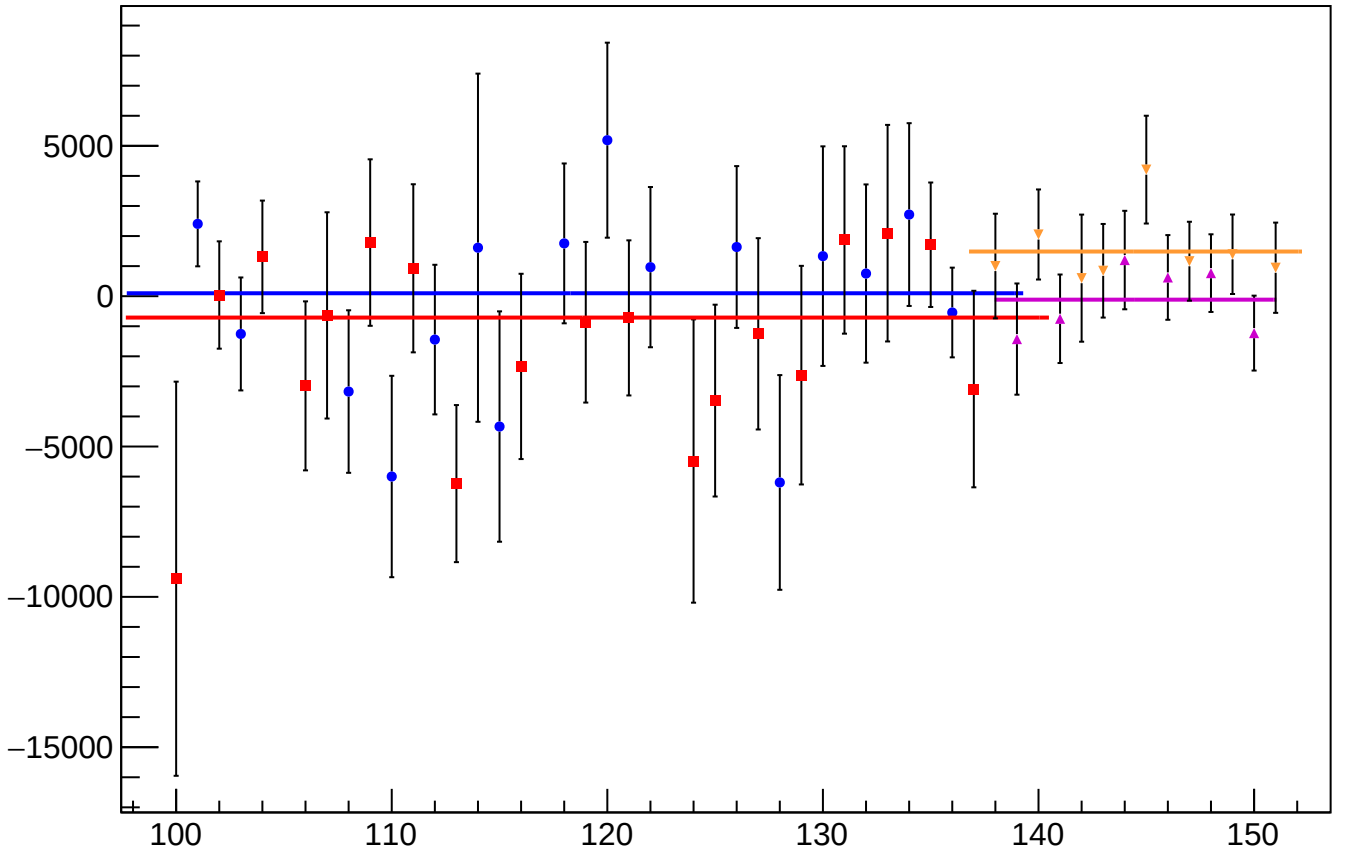
Left: 1099.286+/-0.229 χ^2/NDF: 3567.3/13

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

In: 1098.997+/-0.220 χ^2/NDF:14667.1/21

Out: 1102.774+/-0.211 χ^2/NDF:10575.1/26

All: 1100.966+/-0.152 χ^2/NDF: 25396.3/48



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

Left Out: 1485.313+/-548.764 χ^2/NDF:3.1/7

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

Left In: -115.701+/-589.744 χ^2/NDF:2.9/5

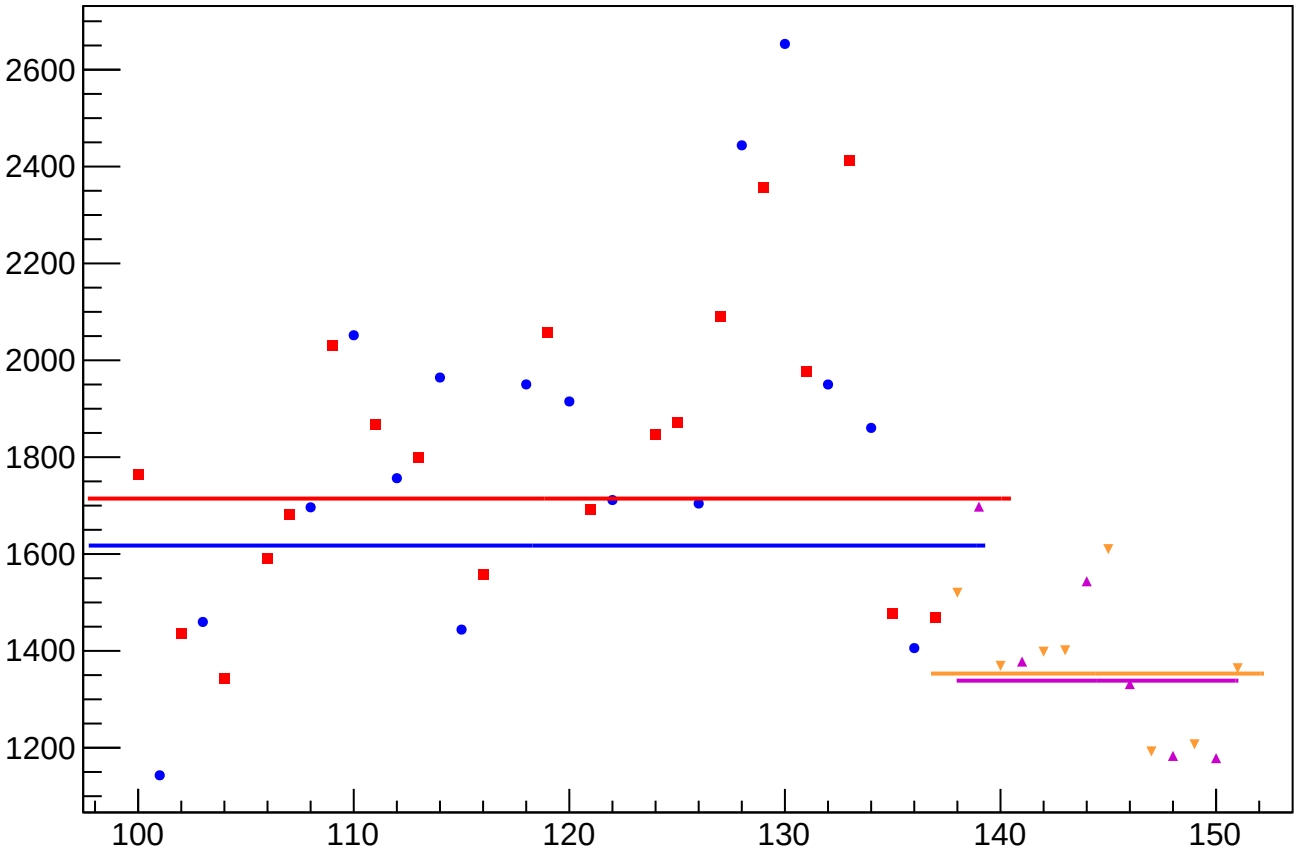
Left: 742.360+/-401.742 χ^2/NDF: 9.9/13

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

In: -14.267+/-426.940 χ^2/NDF:20.2/21

Out: 550.558+/-415.923 χ^2/NDF:24.8/26

All: 275.526+/-297.921 χ^2/NDF: 45.9/48



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1353.173+/-0.388 χ^2/NDF:117072.8/7

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1338.573+/-0.417 χ^2/NDF:170331.4/5

Left: 1346.398+/-0.284 χ^2/NDF: 288061.1/13

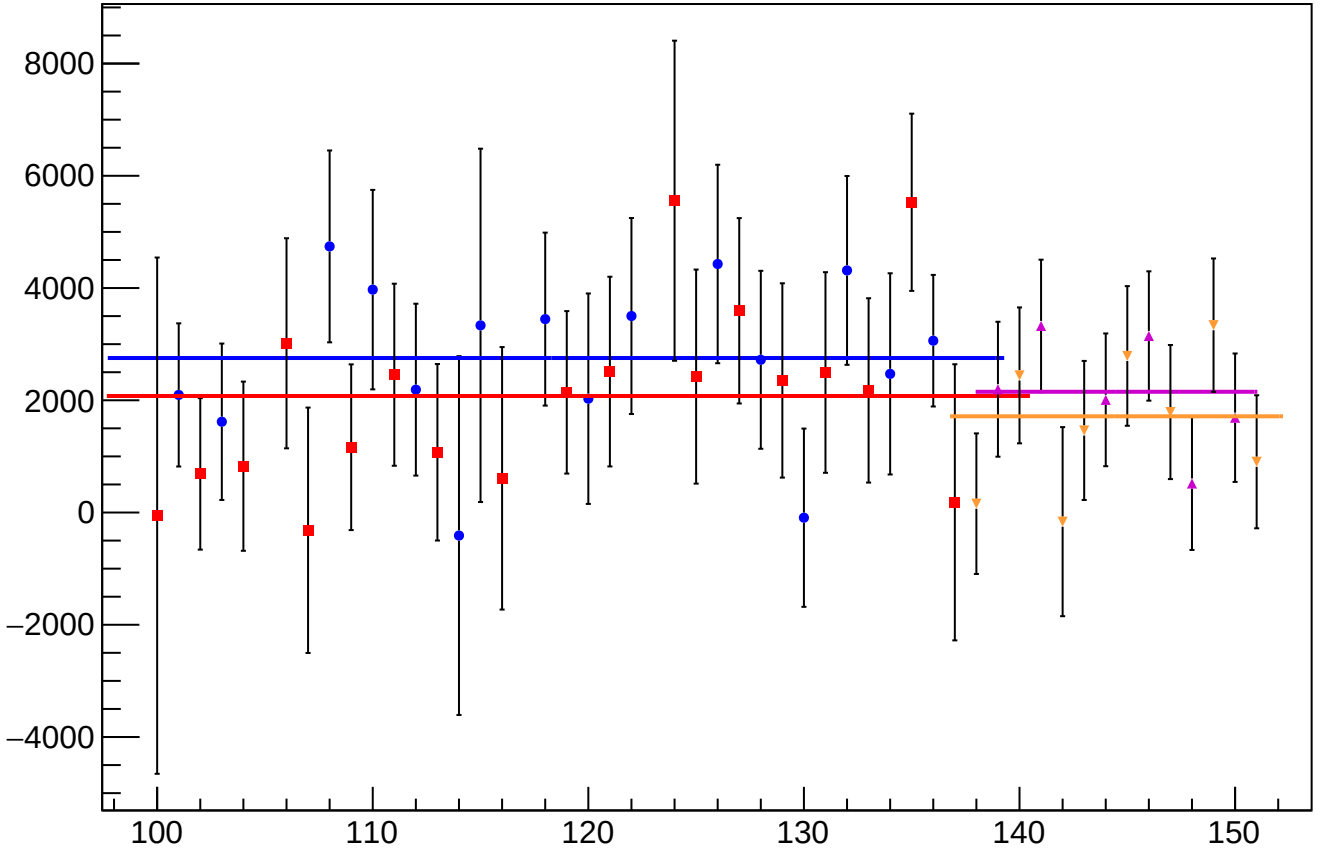
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1471.313+/-0.302 χ^2/NDF:1074958.8/21

Out: 1506.938+/-0.294 χ^2/NDF:913781.4/26

All: 1489.591+/-0.211 χ^2/NDF: 1995884.7/48

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1714.526+/-443.283 χ^2/NDF:6.3/7

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2151.600+/-479.188 χ^2/NDF:3.8/5

Left: 1916.077+/-325.403 χ^2/NDF: 10.5/13

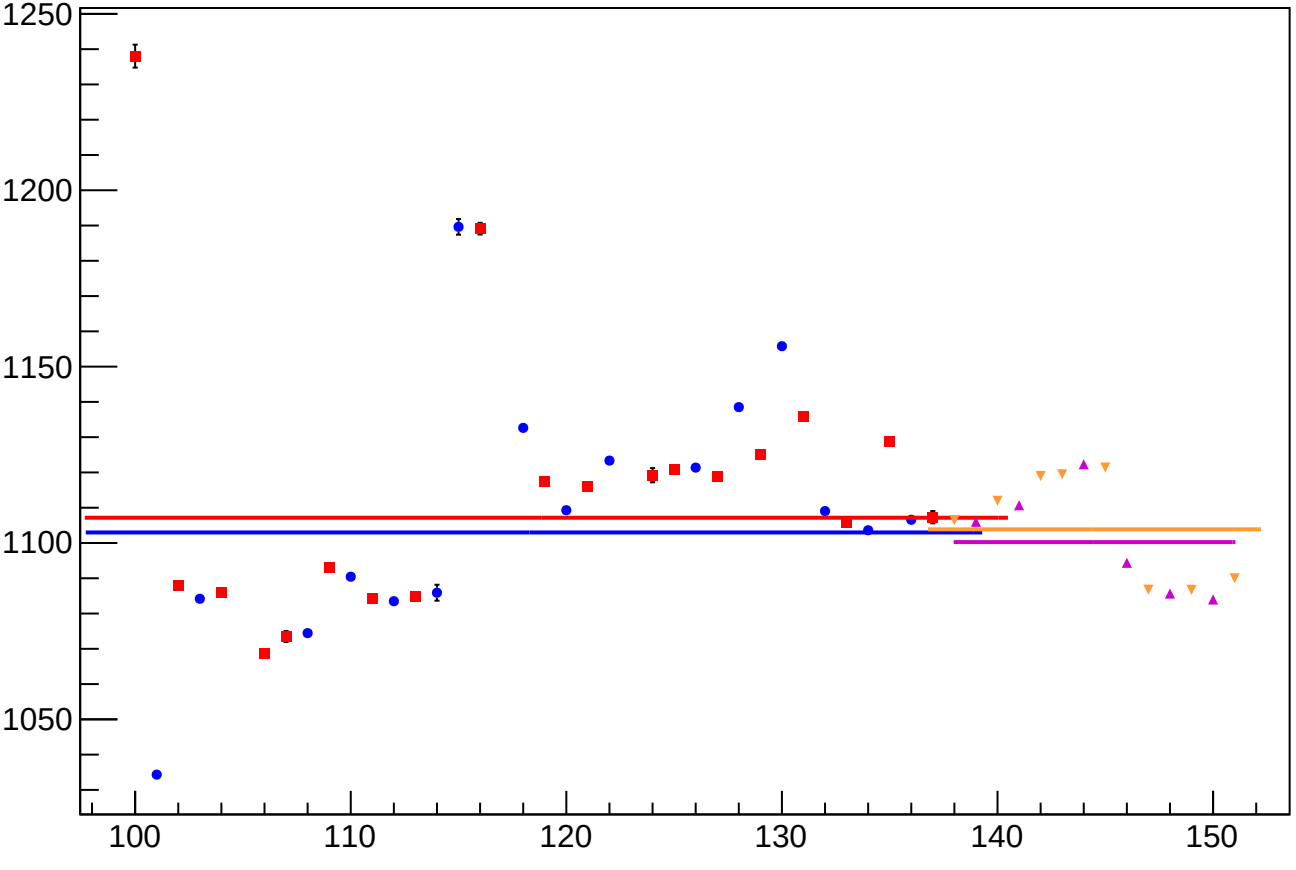
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2499.001+/-311.459 χ^2/NDF:14.2/21

Out: 1912.335+/-298.513 χ^2/NDF:19.2/26

All: 2193.222+/-215.512 χ^2/NDF: 35.3/48

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1103.870+/-0.313 χ^2/NDF:2073.5/7

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1100.253+/-0.339 χ^2/NDF:1658.0/5

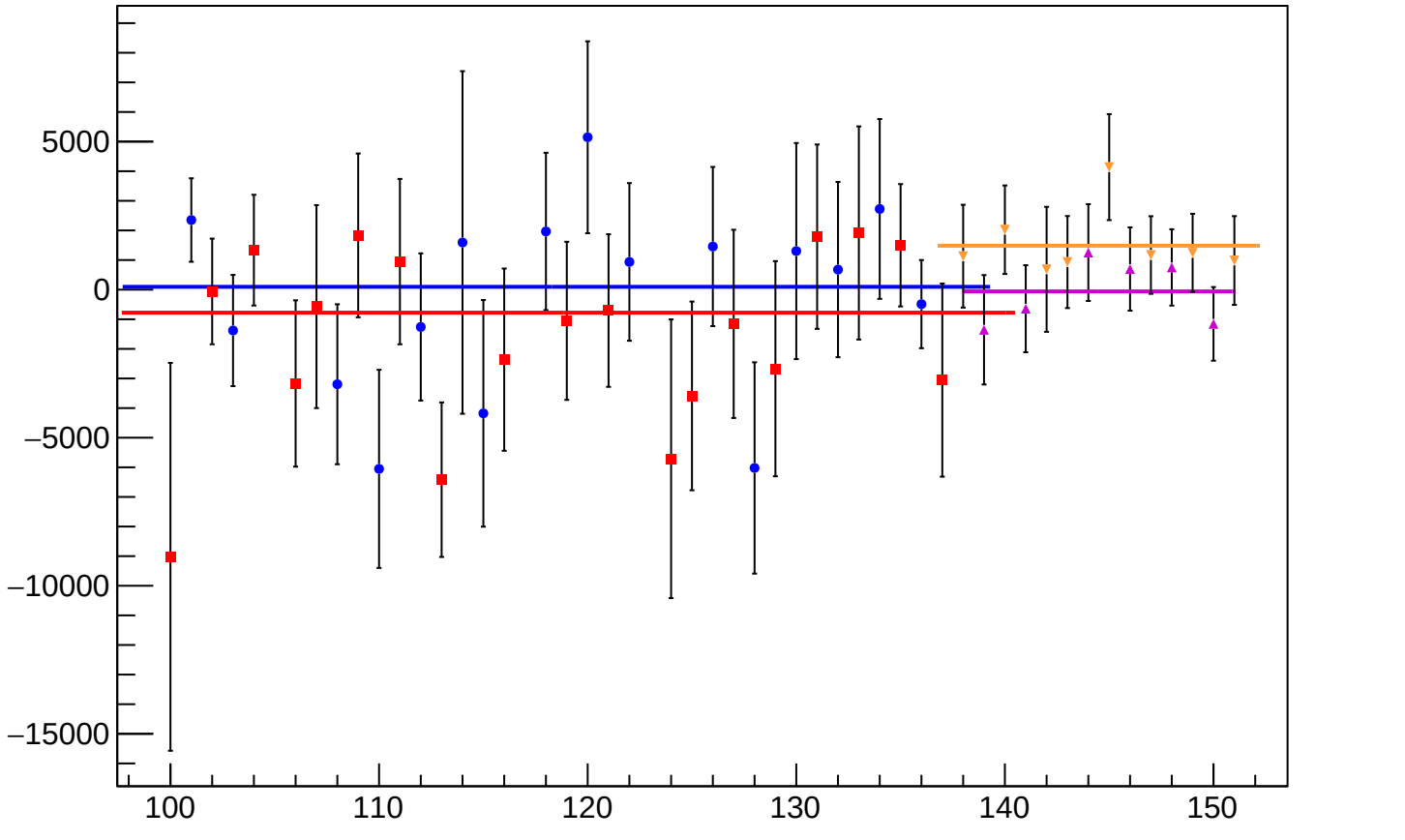
Left: 1102.202+/-0.230 χ^2/NDF: 3792.9/13

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

In: 1101.832+/-0.220 χ^2/NDF:14919.4/21

Out: 1105.668+/-0.211 χ^2/NDF:10817.0/26

All: 1103.831+/-0.152 χ^2/NDF: 25894.5/48



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1484.078+/-547.771 χ^2/NDF:2.8/7

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -58.904+/-588.771 χ^2/NDF:2.8/5

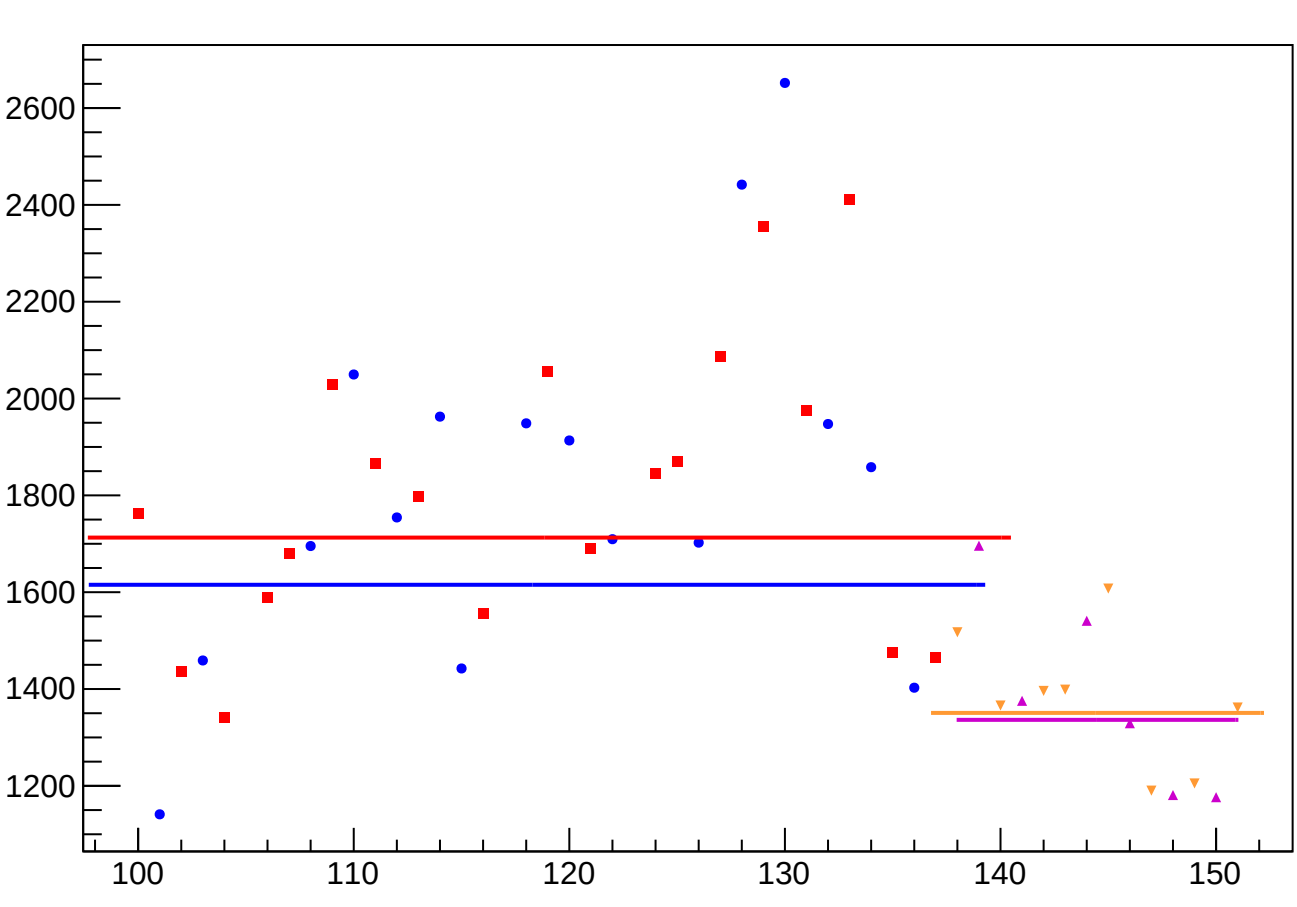
Left: 768.176+/-401.044 χ^2/NDF: 9.3/13

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

In: 14.765+/-426.314 χ^2/NDF:19.7/21

Out: 522.811+/-415.318 χ^2/NDF:25.2/26

All: 275.424+/-297.486 χ^2/NDF: 45.6/48



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1350.686+/-0.387 χ^2/NDF:117165.6/7

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1336.320+/-0.416 χ^2/NDF:170670.8/5

Left: 1344.021+/-0.284 χ^2/NDF: 288474.6/13

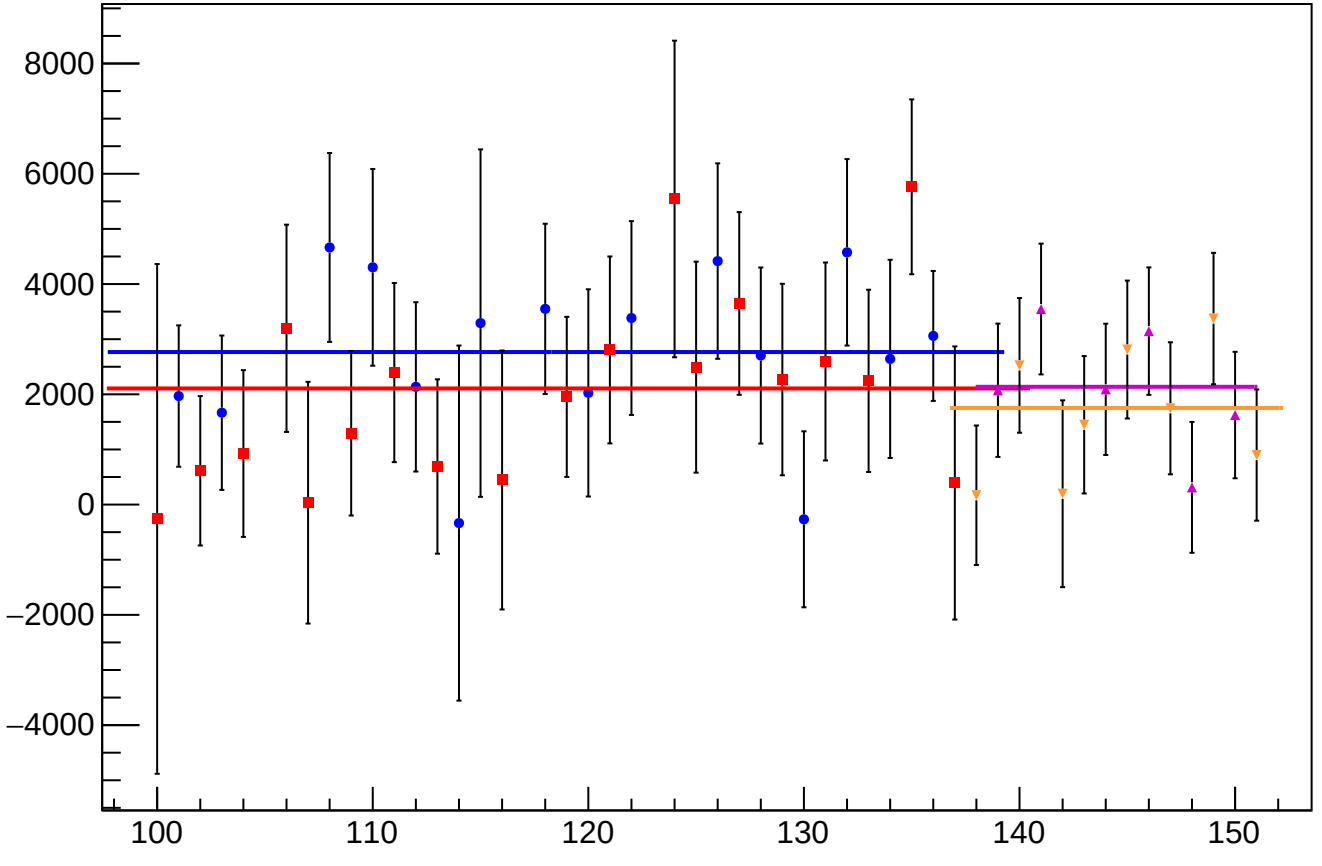
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1469.043+/-0.301 χ^2/NDF:1077939.0/21

Out: 1504.633+/-0.294 χ^2/NDF:916806.3/26

All: 1487.303+/-0.210 χ^2/NDF: 2001897.0/48

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1752.900+/-445.604 χ^2/NDF:6.0/7

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2136.168+/-481.148 χ^2/NDF:4.7/5

Left: 1929.856+/-326.934 χ^2/NDF: 11.0/13

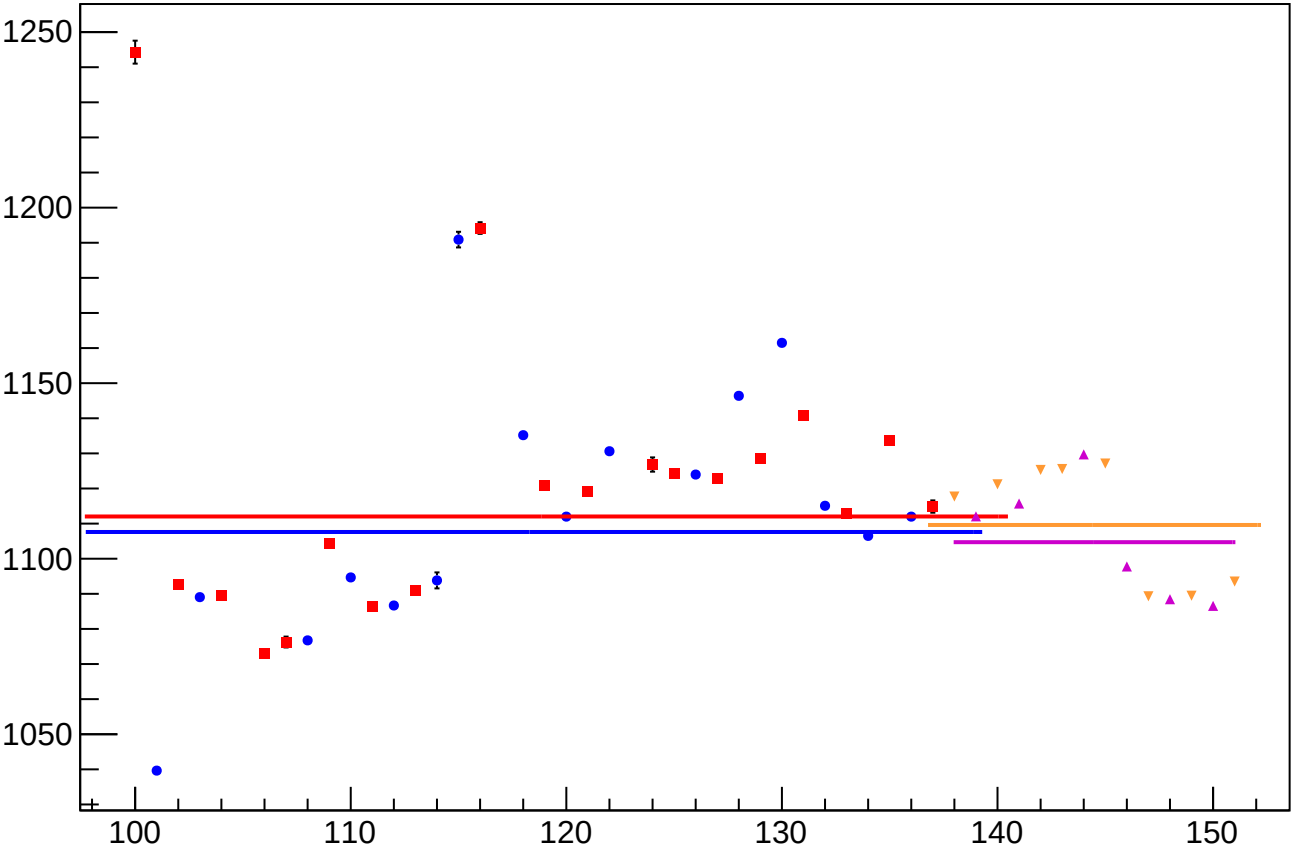
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2500.261+/-312.755 χ^2/NDF:16.1/21

Out: 1946.210+/-299.945 χ^2/NDF:19.7/26

All: 2211.656+/-216.480 χ^2/NDF: 37.3/48

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1109.611+/-0.315 χ^2/NDF:2666.5/7

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1104.711+/-0.340 χ^2/NDF:2075.6/5

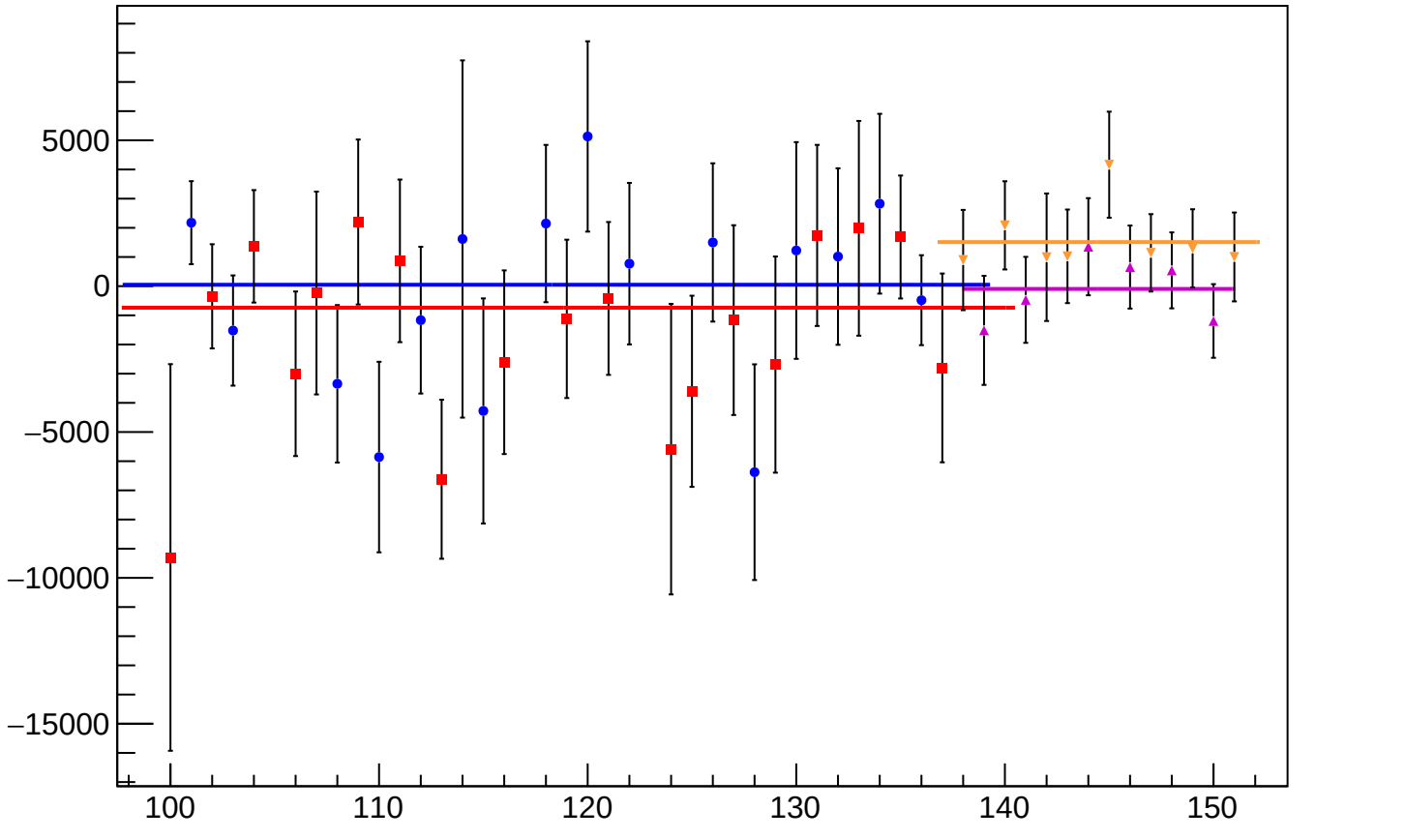
Left: 1107.349+/-0.231 χ^2/NDF: 4853.8/13

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

In: 1106.387+/-0.221 χ^2/NDF:15338.4/21

Out: 1110.934+/-0.212 χ^2/NDF:11352.2/26

All: 1108.755+/-0.153 χ^2/NDF: 26910.8/48



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1510.609+/-556.318 χ^2/NDF:2.8/7

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -94.821+/-595.609 χ^2/NDF:2.7/5

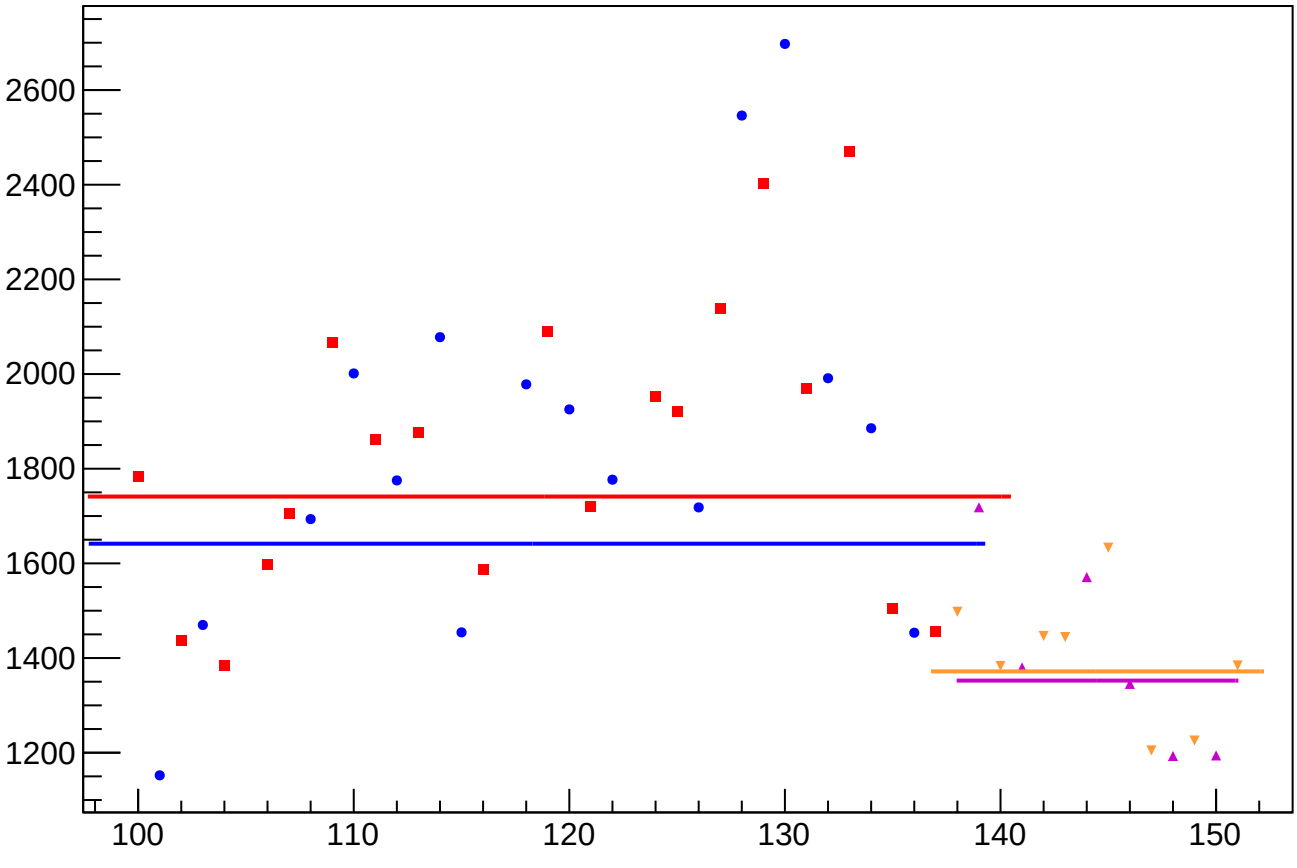
Left: 762.589+/-406.557 χ^2/NDF: 9.3/13

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

In: -27.282+/-432.176 χ^2/NDF:19.6/21

Out: 556.074+/-422.045 χ^2/NDF:24.6/26

All: 271.314+/-301.949 χ^2/NDF: 45.2/48



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1371.775+/-0.393 χ^2/NDF:114186.9/7

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1352.322+/-0.421 χ^2/NDF:173249.9/5

Left: 1362.711+/-0.287 χ^2/NDF: 288576.1/13

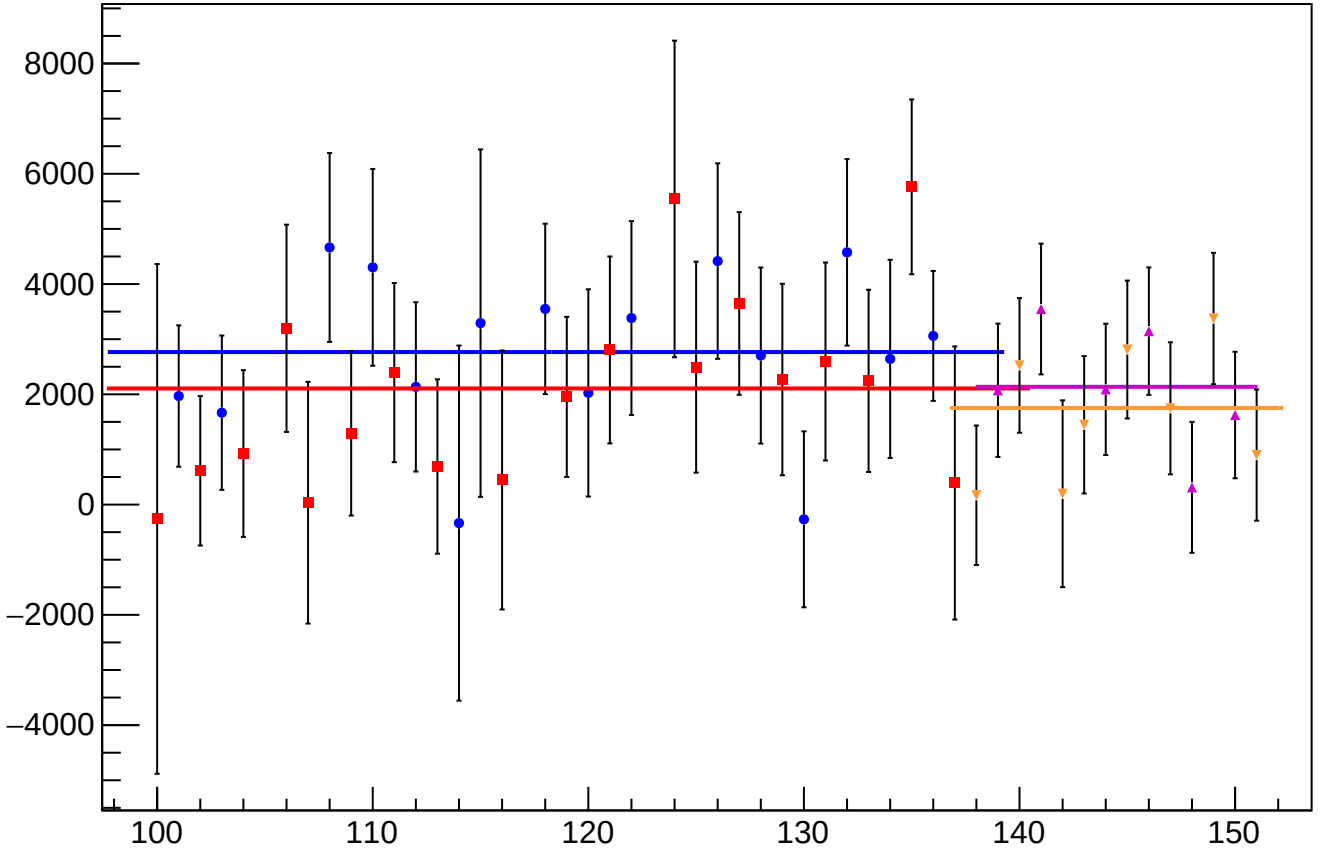
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1489.265+/-0.306 χ^2/NDF:1097852.1/21

Out: 1528.583+/-0.298 χ^2/NDF:926874.2/26

All: 1509.390+/-0.214 χ^2/NDF: 2033199.3/48

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1752.901+/-445.604 χ^2/NDF:6.0/7

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2136.167+/-481.148 χ^2/NDF:4.7/5

Left: 1929.856+/-326.934 χ^2/NDF: 11.0/13

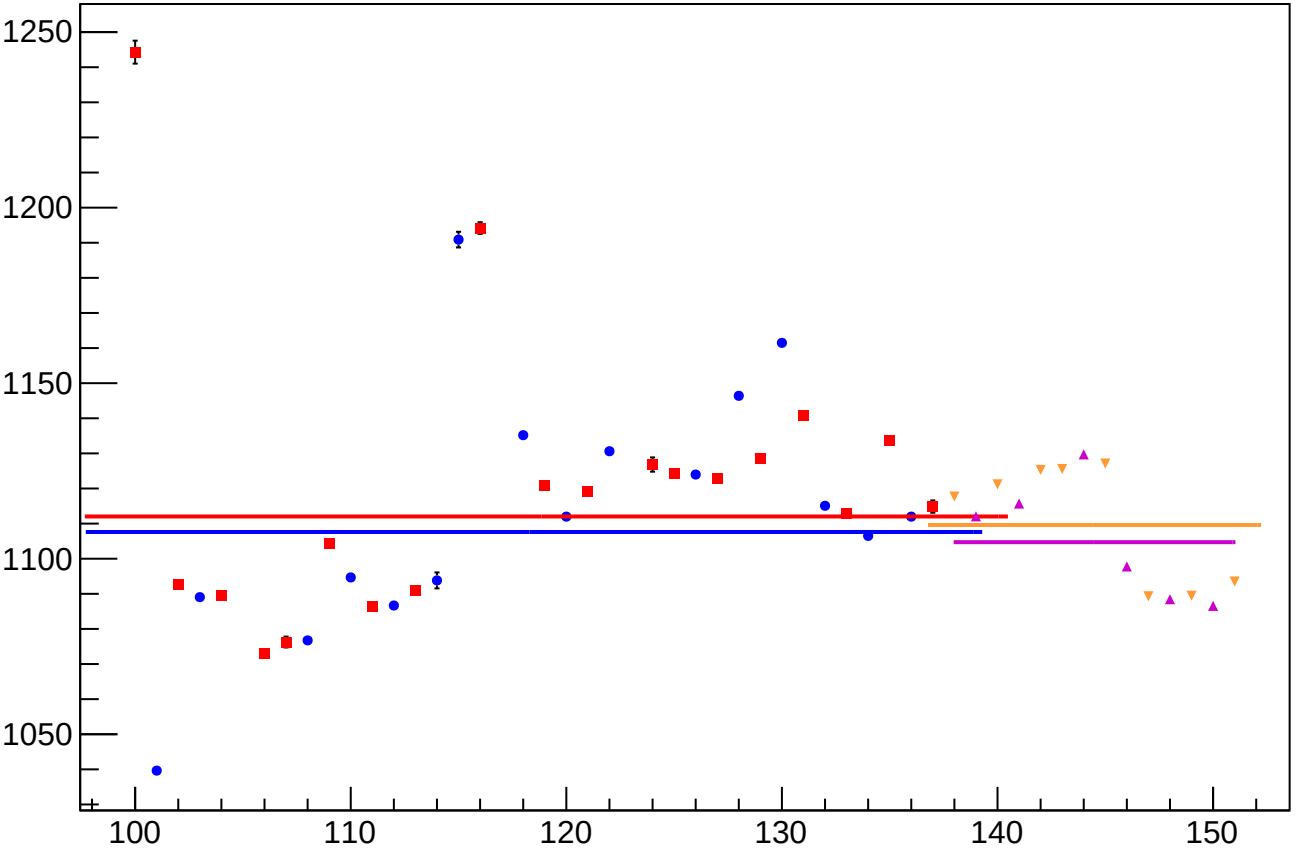
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2500.260+/-312.755 χ^2/NDF:16.1/21

Out: 1946.211+/-299.944 χ^2/NDF:19.7/26

All: 2211.657+/-216.480 χ^2/NDF: 37.3/48

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1109.611+/-0.315 χ^2/NDF:2666.5/7

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1104.711+/-0.340 χ^2/NDF:2075.6/5

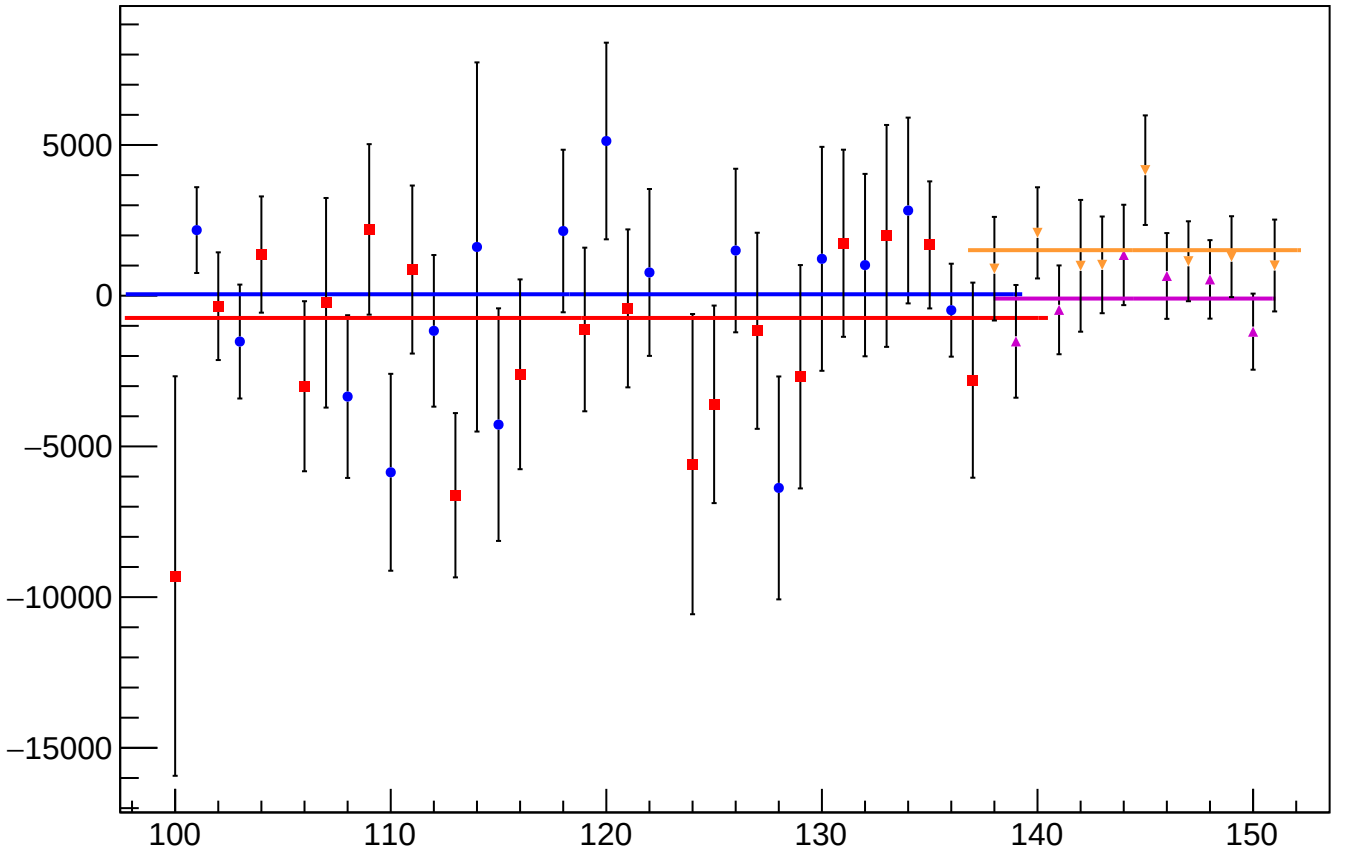
Left: 1107.349+/-0.231 χ^2/NDF: 4853.8/13

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

In: 1106.387+/-0.221 χ^2/NDF:15338.3/21

Out: 1110.933+/-0.212 χ^2/NDF:11352.2/26

All: 1108.755+/-0.153 χ^2/NDF: 26910.7/48



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1510.609+/-556.319 χ^2/NDF:2.8/7

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -94.821+/-595.610 χ^2/NDF:2.7/5

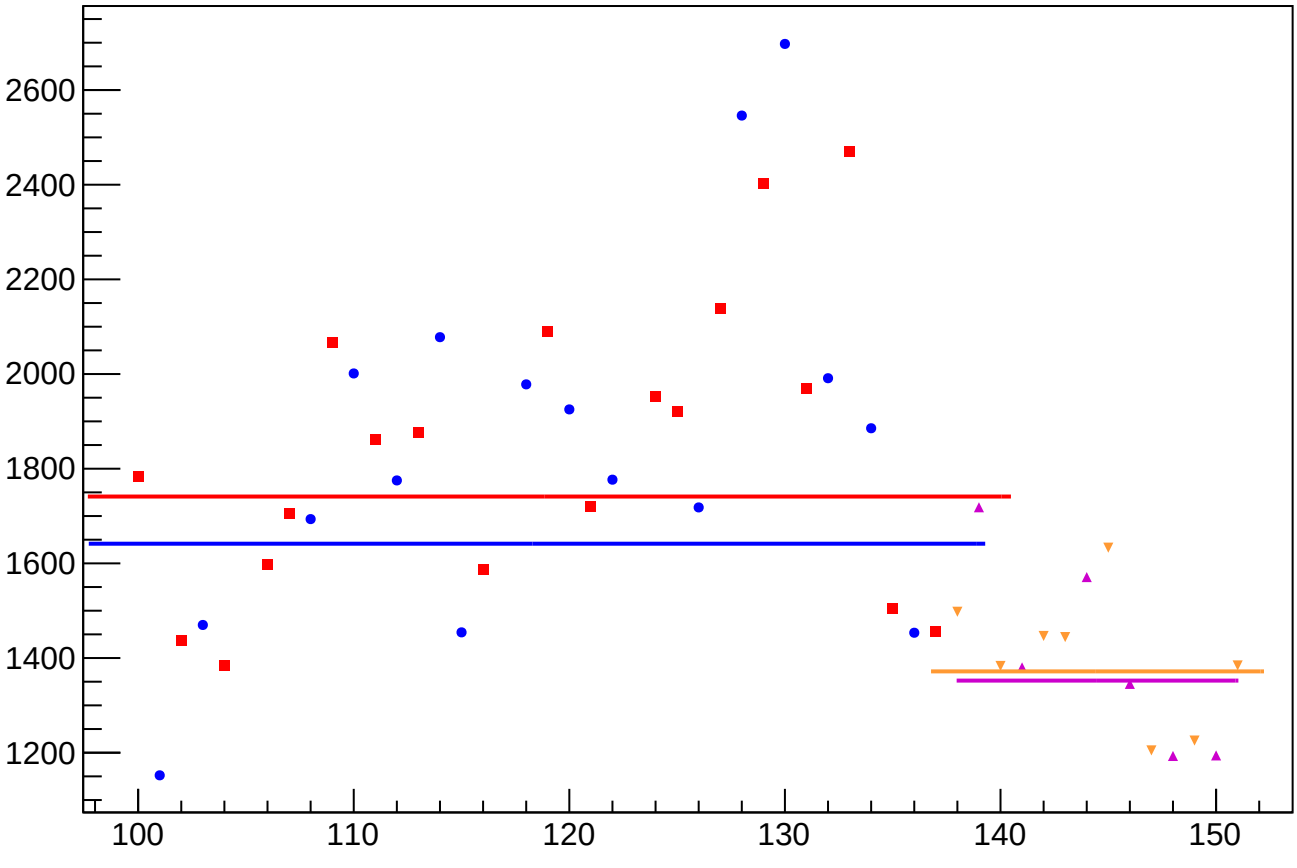
Left: 762.589+/-406.558 χ^2/NDF: 9.3/13

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

In: -27.284+/-432.176 χ^2/NDF:19.6/21

Out: 556.069+/-422.045 χ^2/NDF:24.6/26

All: 271.310+/-301.949 χ^2/NDF: 45.2/48



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1371.777+/-0.393 χ^2/NDF:114188.8/7

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1352.324+/-0.421 χ^2/NDF:173252.6/5

Left: 1362.714+/-0.287 χ^2/NDF: 288580.8/13

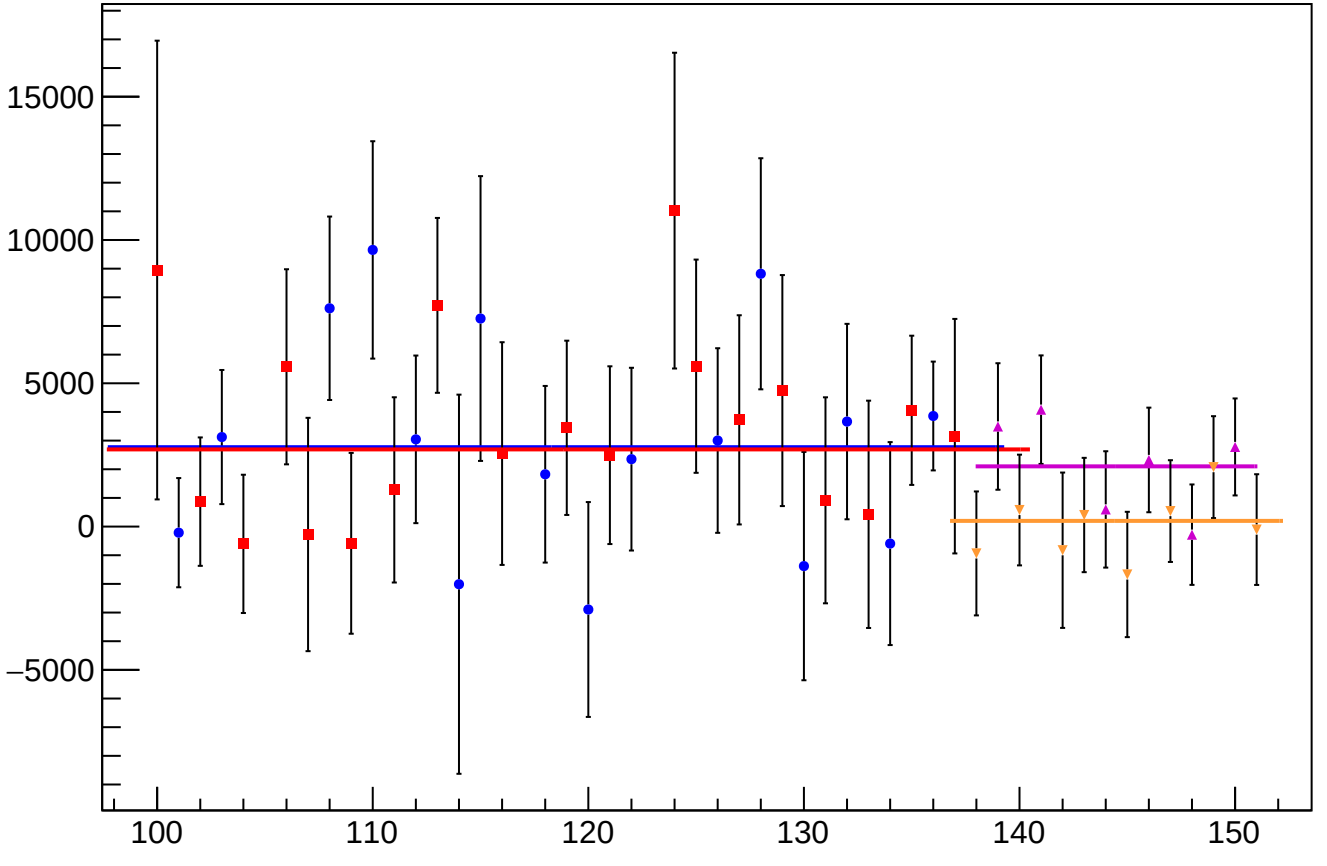
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1489.266+/-0.306 χ^2/NDF:1097835.7/21

Out: 1528.585+/-0.298 χ^2/NDF:926855.7/26

All: 1509.392+/-0.214 χ^2/NDF: 2033164.6/48

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 198.667+/-710.658 χ^2/NDF:2.4/7

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2101.306+/-766.509 χ^2/NDF:4.1/5

Left: 1078.152+/-521.138 χ^2/NDF: 9.7/13

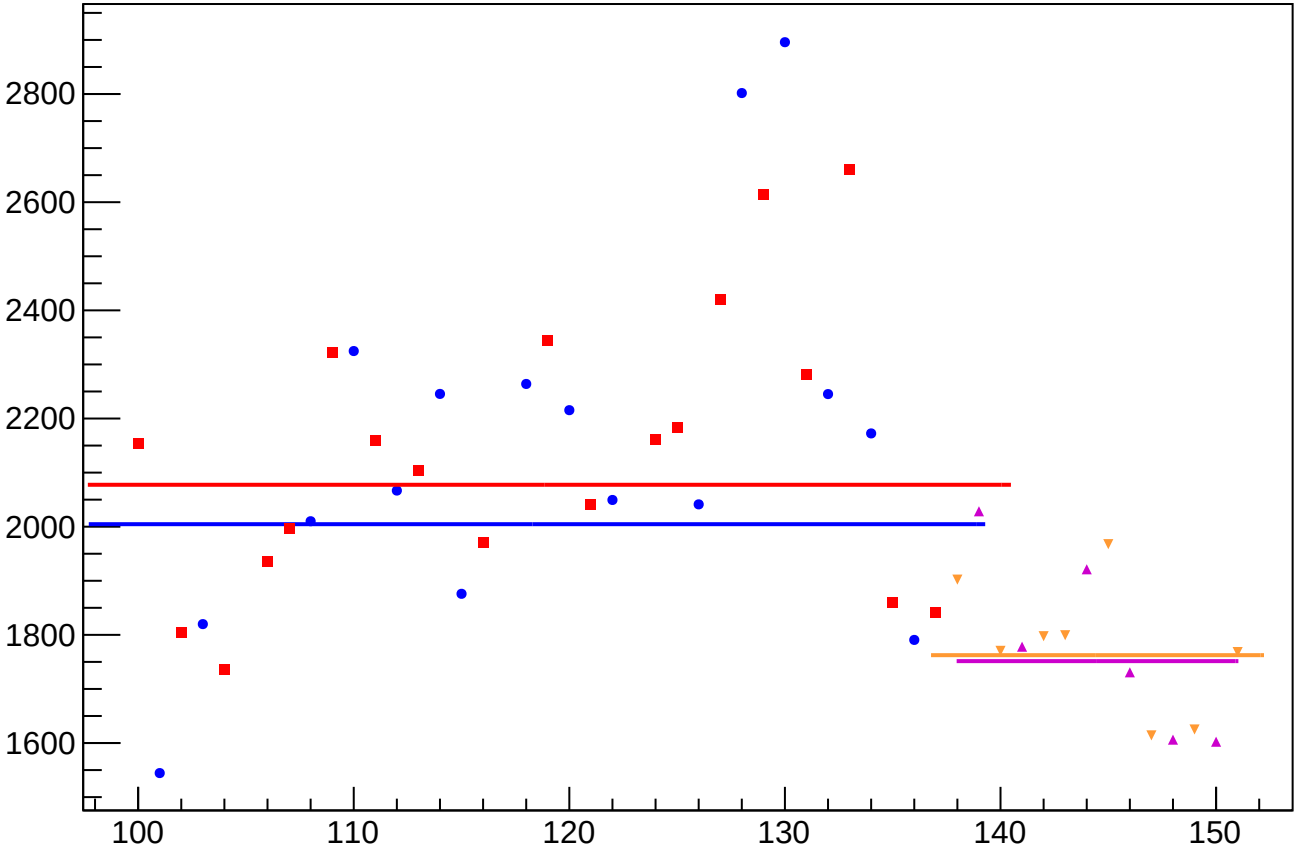
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2439.754+/-538.650 χ^2/NDF:20.9/21

Out: 1352.708+/-520.901 χ^2/NDF:20.6/26

All: 1878.027+/-374.450 χ^2/NDF: 43.6/48

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1762.455+/-0.503 χ^2/NDF:52933.9/7

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1751.430+/-0.542 χ^2/NDF:75395.7/5

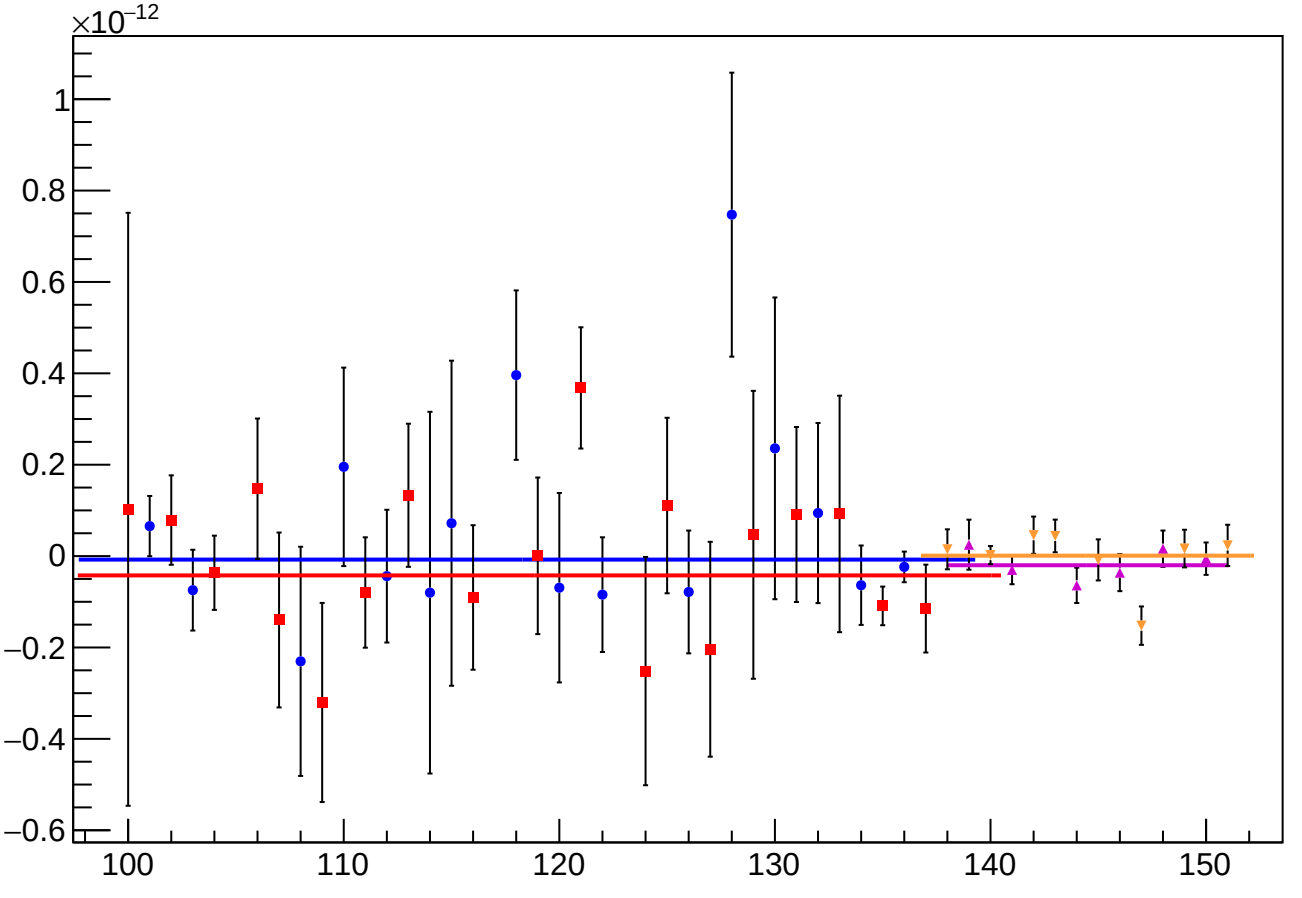
Left: 1757.359+/-0.369 χ^2/NDF: 128552.1/13

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

In: 1879.595+/-0.381 χ^2/NDF:573431.1/21

Out: 1908.237+/-0.368 χ^2/NDF:465297.0/26

All: 1894.396+/-0.265 χ^2/NDF: 1041650.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/5

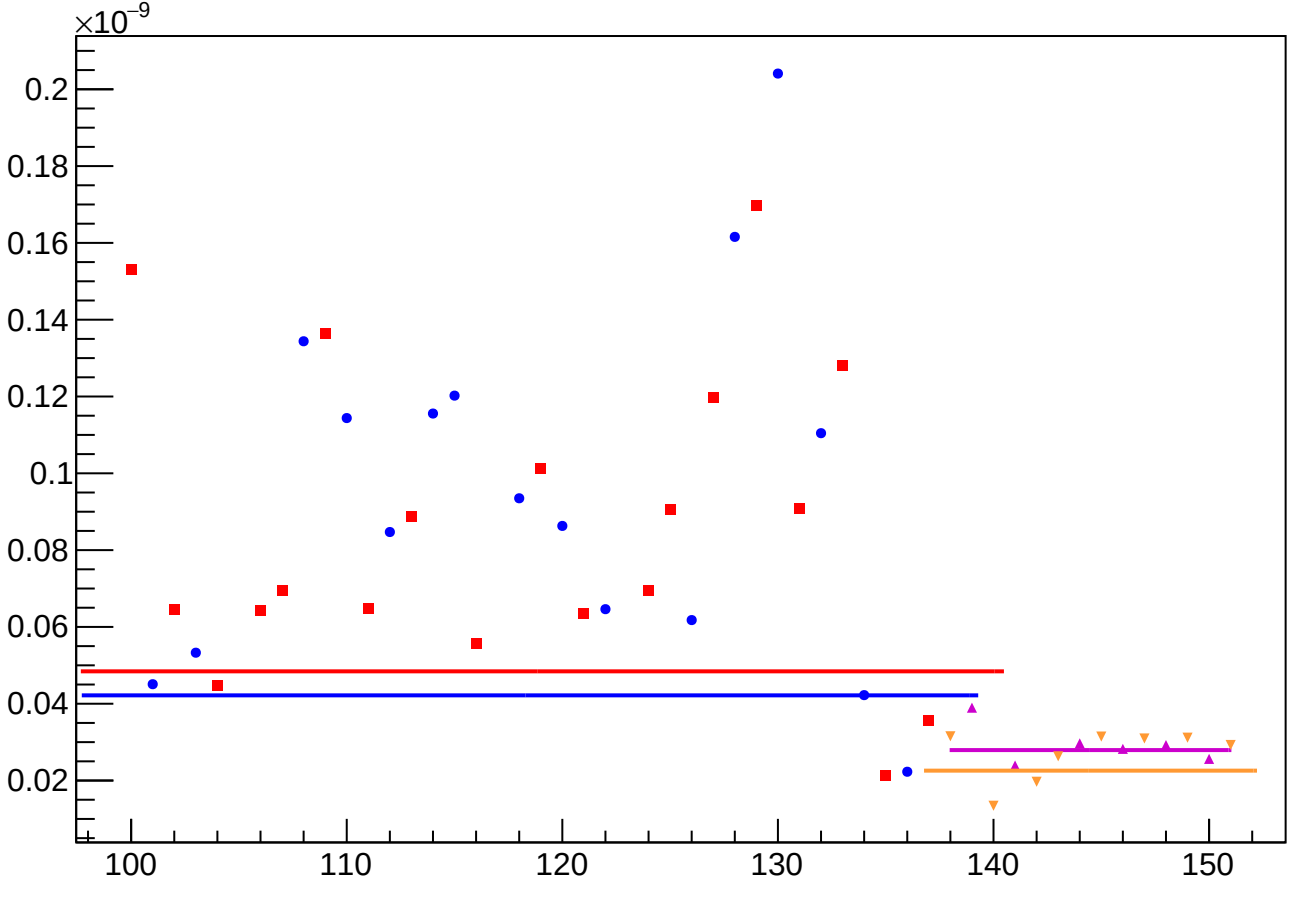
Left: -0.000+/-0.000 χ^2/NDF: 20.8/13

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

In: -0.000+/-0.000 χ^2/NDF:19.9/21

Out: -0.000+/-0.000 χ^2/NDF:40.4/26

All: -0.000+/-0.000 χ^2/NDF: 60.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:829481.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:128770.5/5

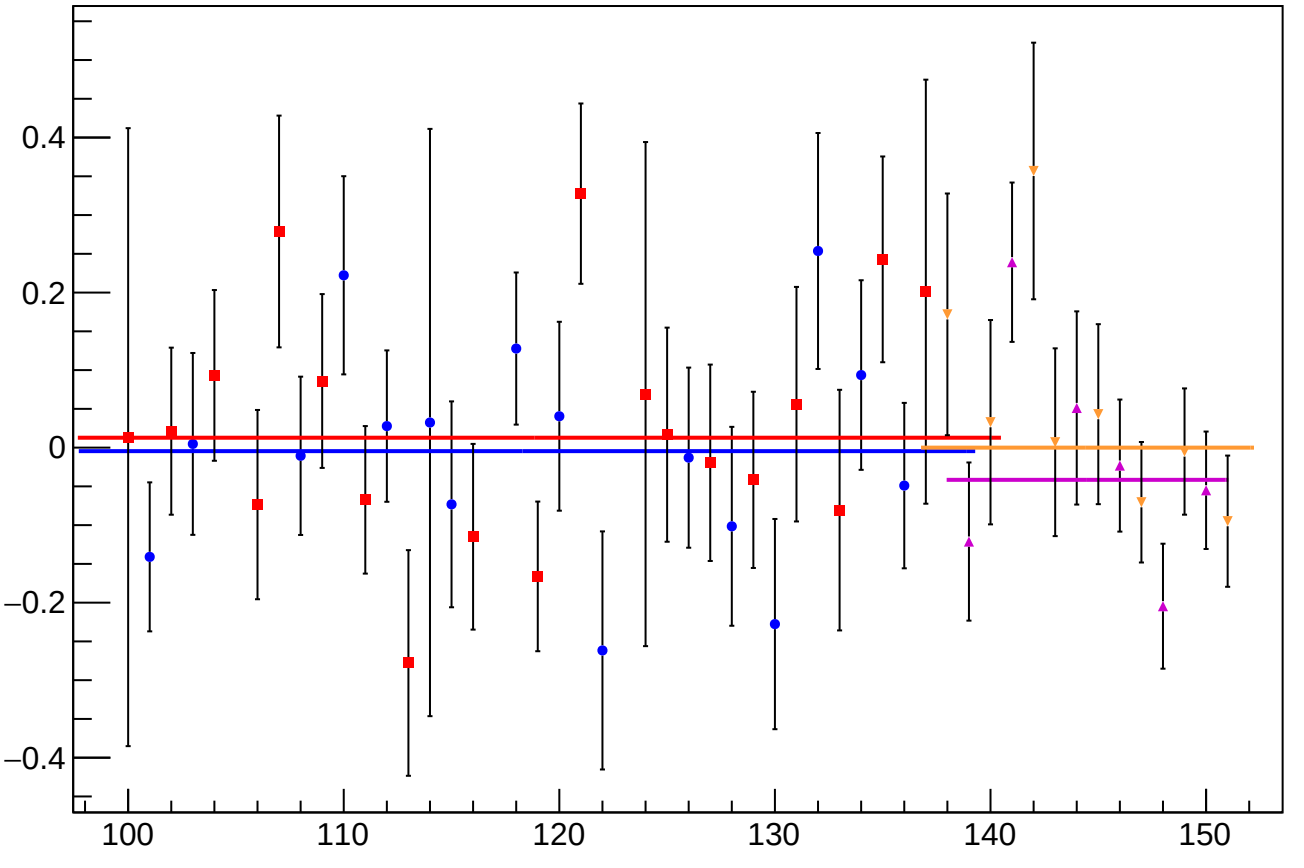
Left: 0.000+/-0.000 χ^2/NDF: 1102016.1/13

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

In: 0.000+/-0.000 χ^2/NDF:3547727.6/21

Out: 0.000+/-0.000 χ^2/NDF:4951044.7/26

All: 0.000+/-0.000 χ^2/NDF: 8673179.8/48



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.042+/-0.037 χ^2/NDF:12.8/5

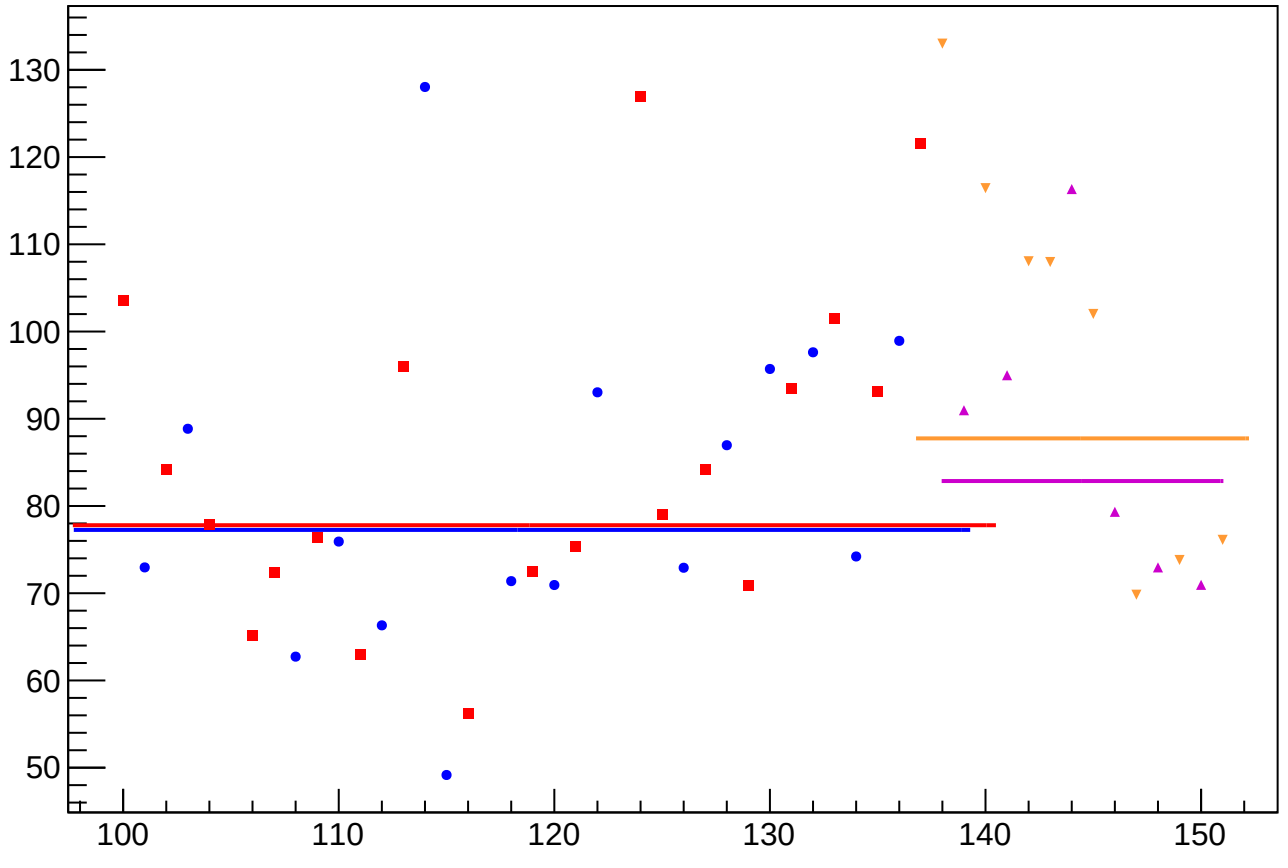
Left: -0.021+/-0.026 χ^2/NDF: 21.6/13

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.023 χ^2/NDF:30.7/21

Out: 0.008+/-0.023 χ^2/NDF:33.7/26

All: -0.006+/-0.016 χ^2/NDF: 65.1/48



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 87.750+/-0.026 χ^2/NDF:581958.2/7

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.862+/-0.026 χ^2/NDF:267762.3/5

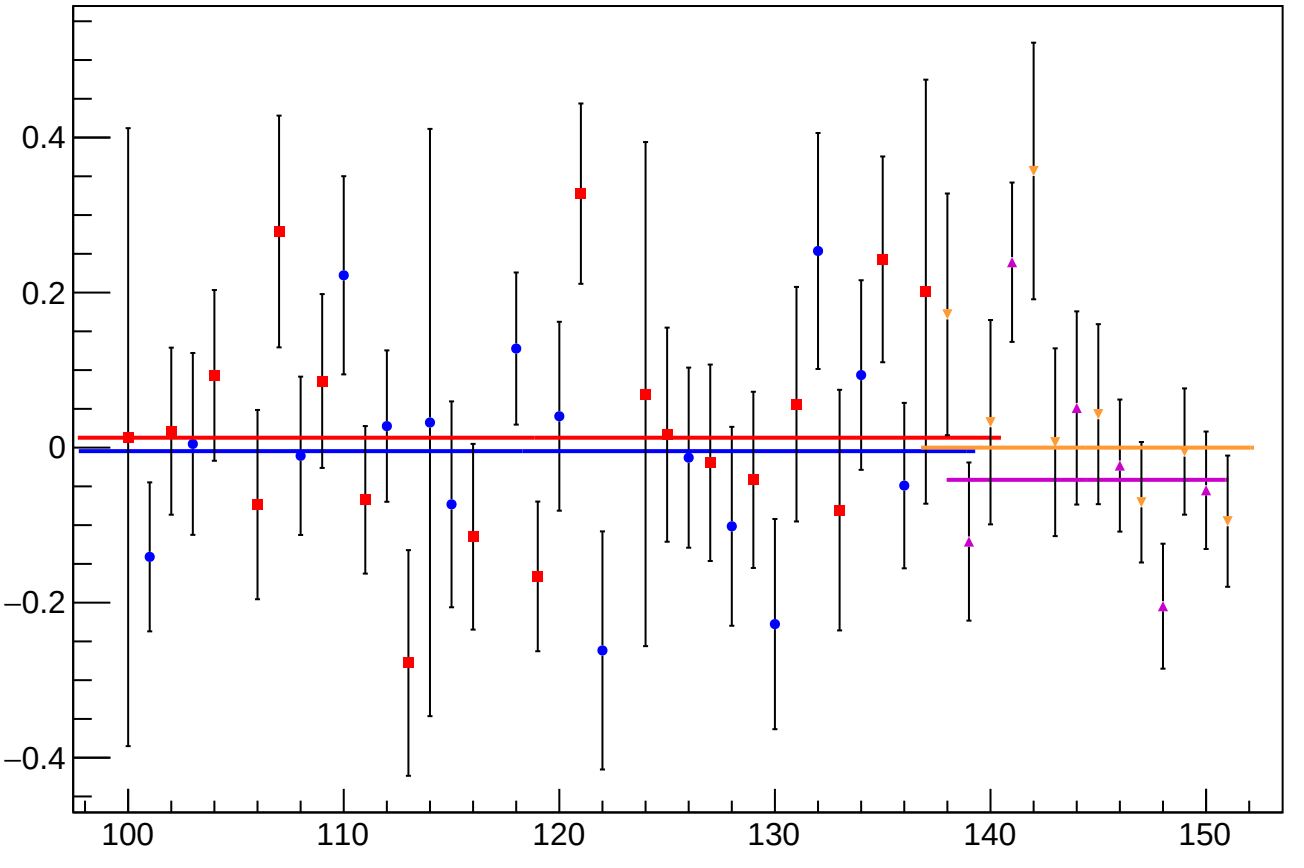
Left: 85.327+/-0.019 χ^2/NDF: 867101.3/13

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

In: 79.469+/-0.017 χ^2/NDF:714474.2/21

Out: 81.710+/-0.016 χ^2/NDF:1066630.6/26

All: 80.601+/-0.012 χ^2/NDF: 1790385.3/48



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.042+/-0.037 χ^2/NDF:12.8/5

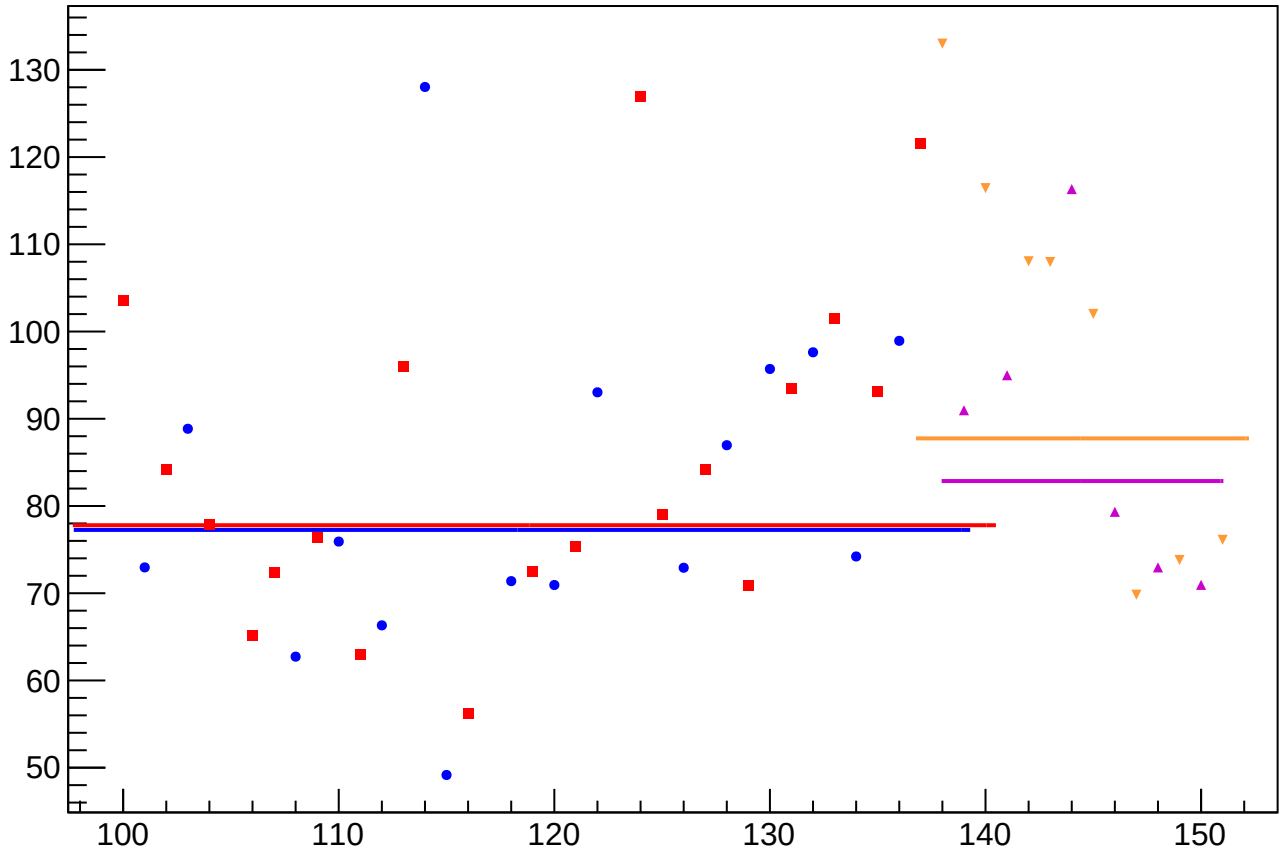
Left: -0.021+/-0.026 χ^2/NDF: 21.6/13

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.023 χ^2/NDF:30.7/21

Out: 0.008+/-0.023 χ^2/NDF:33.7/26

All: -0.006+/-0.016 χ^2/NDF: 65.1/48



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 87.750+/-0.026 χ^2/NDF:581958.2/7

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 82.862+/-0.026 χ^2/NDF:267762.3/5

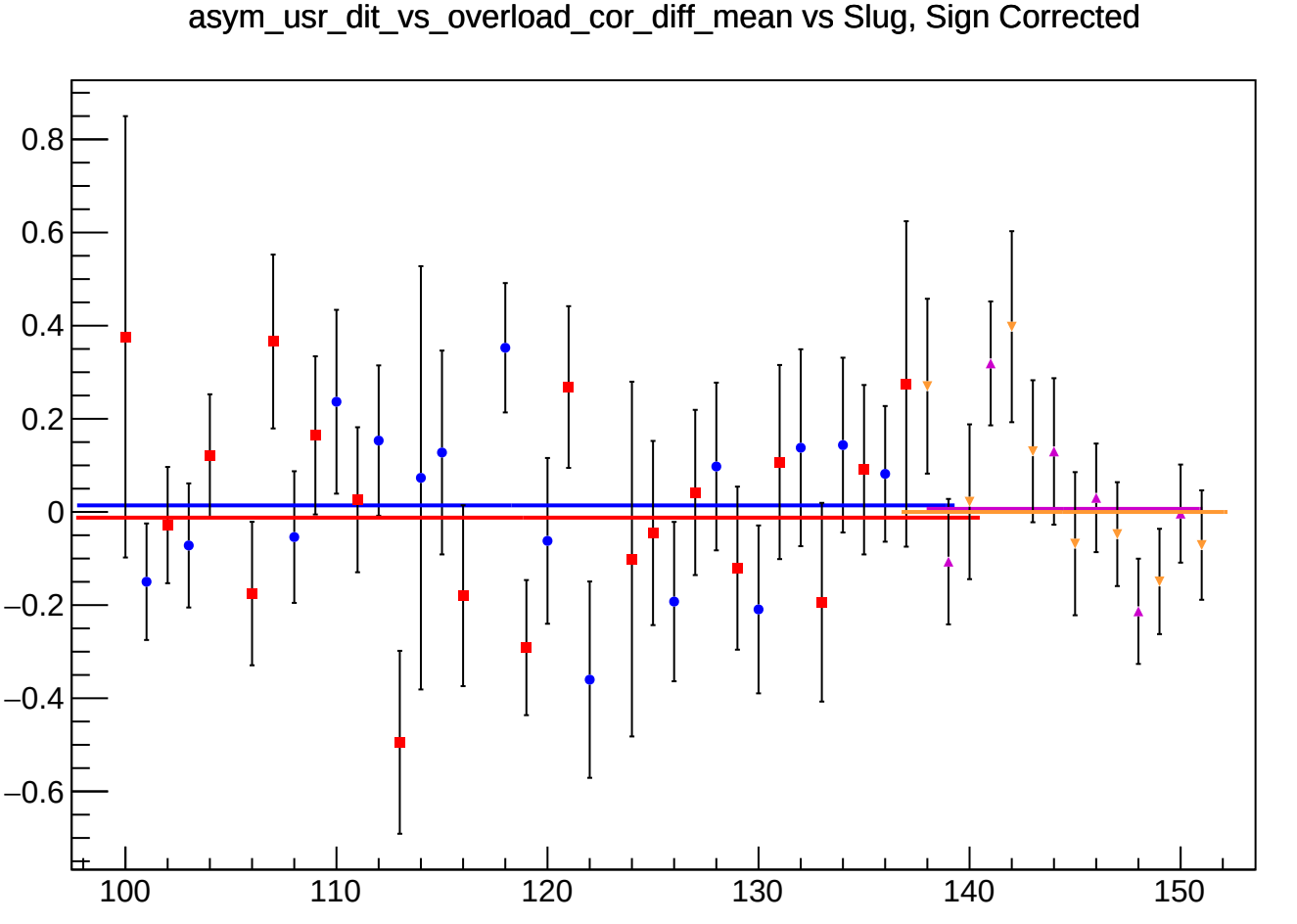
Left: 85.327+/-0.019 χ^2/NDF: 867101.3/13

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

In: 79.469+/-0.017 χ^2/NDF:714474.2/21

Out: 81.710+/-0.016 χ^2/NDF:1066630.6/26

All: 80.601+/-0.012 χ^2/NDF: 1790385.3/48



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

Left Out: -0.000+/-0.050 χ^2/NDF:9.1/7

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

Left In: 0.007+/-0.050 χ^2/NDF:10.7/5

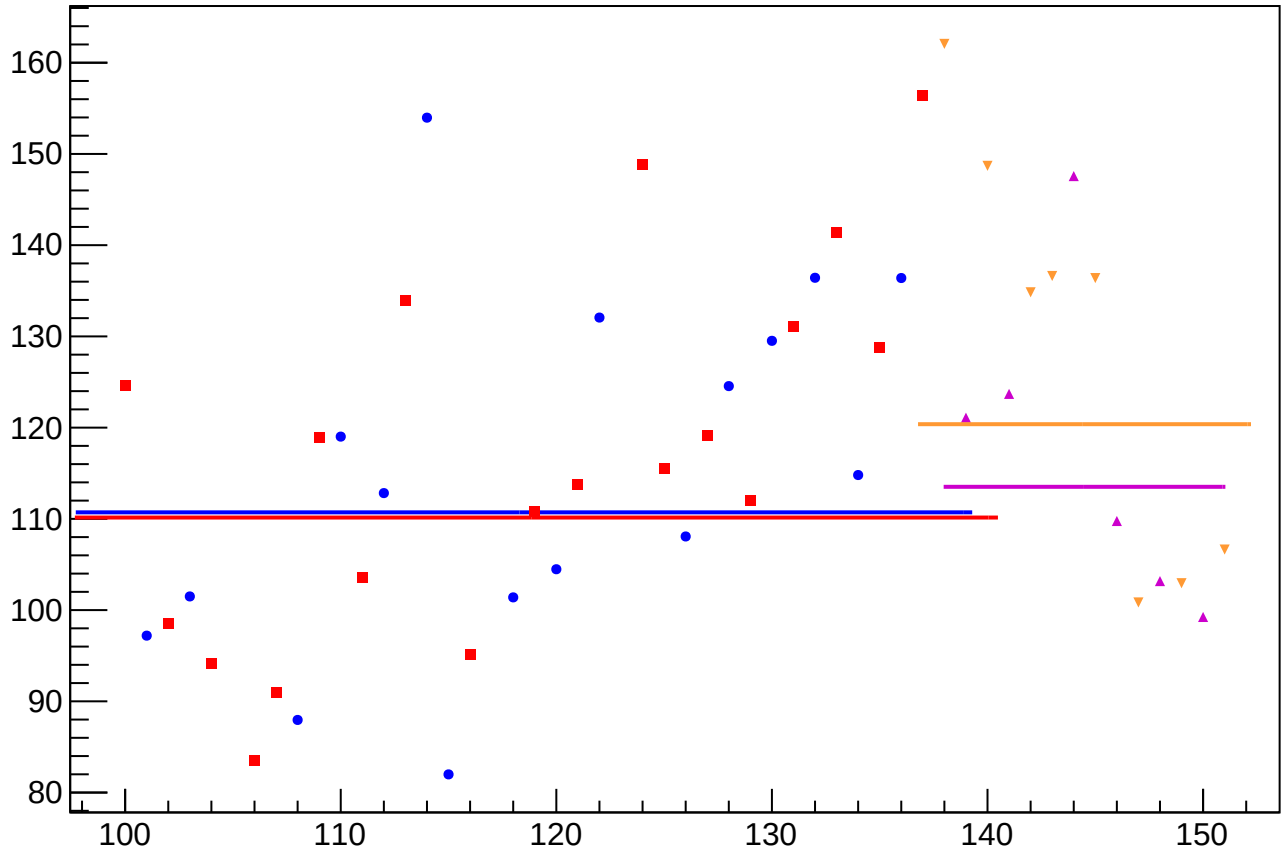
Left: 0.003+/-0.035 χ^2/NDF: 19.8/13

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.011+/-0.032 χ^2/NDF:28.9/21

Out: -0.007+/-0.032 χ^2/NDF:32.9/26

All: 0.002+/-0.023 χ^2/NDF: 61.9/48



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 120.377+/-0.035 χ^2/NDF:347307.0/7

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 113.514+/-0.036 χ^2/NDF:167427.8/5

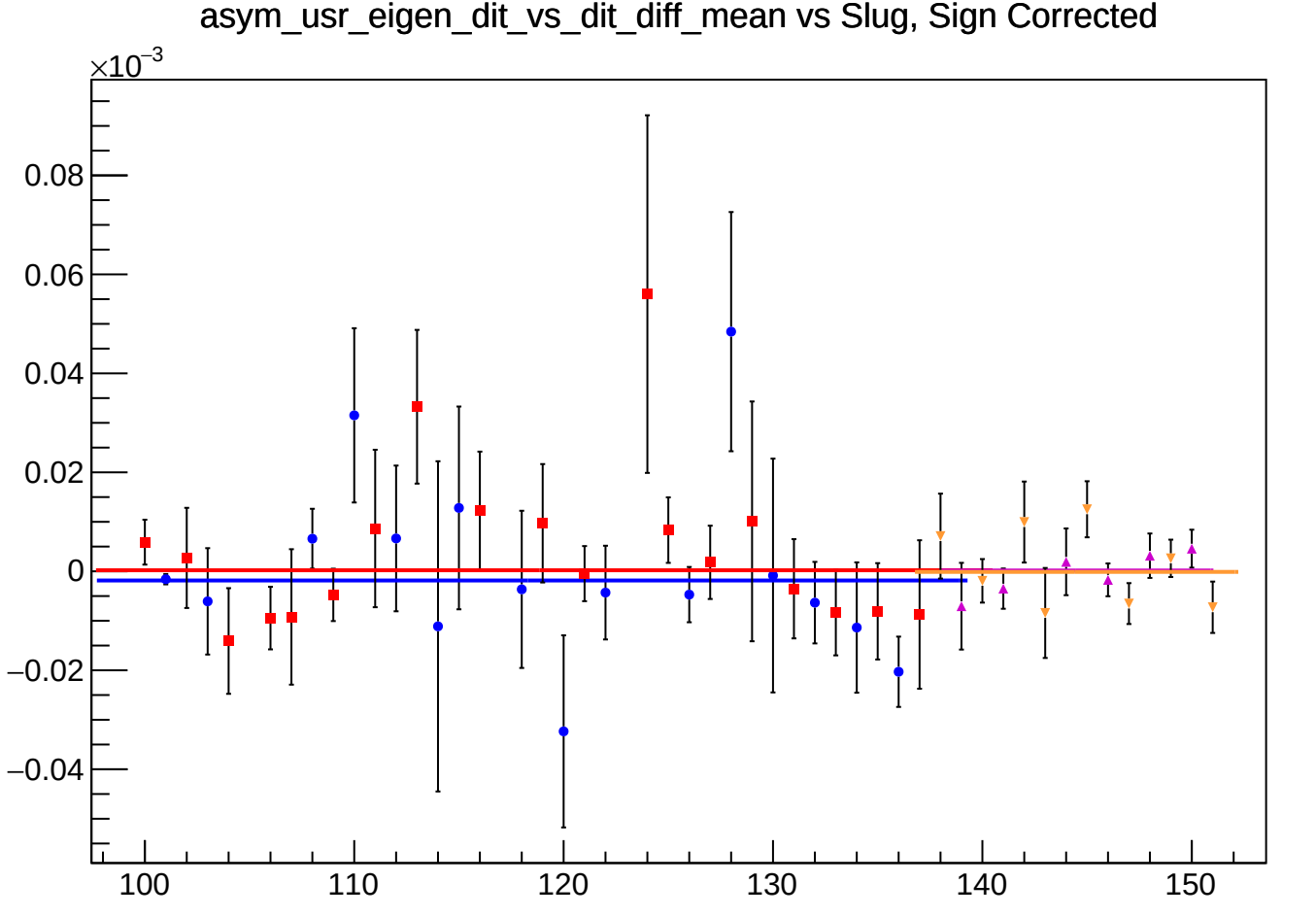
Left: 116.991+/-0.025 χ^2/NDF: 533547.9/13

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

In: 111.871+/-0.023 χ^2/NDF:471025.6/21

Out: 114.325+/-0.022 χ^2/NDF:724160.1/26

All: 113.121+/-0.016 χ^2/NDF: 1201037.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/5

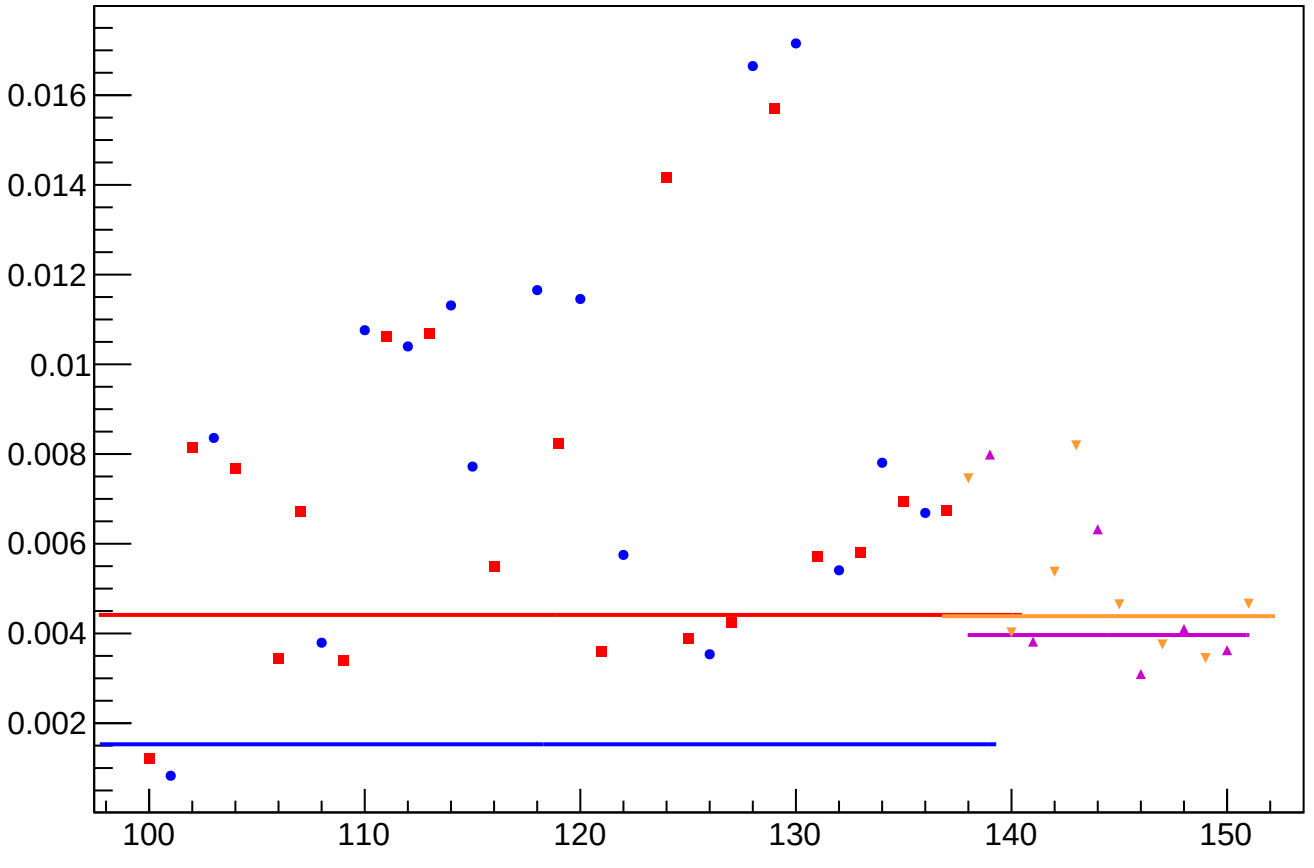
Left: 0.000+/-0.000 χ^2/NDF: 16.7/13

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

In: -0.000+/-0.000 χ^2/NDF:26.0/21

Out: 0.000+/-0.000 χ^2/NDF:32.9/26

All: -0.000+/-0.000 χ^2/NDF: 59.8/48



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

Left Out: 0.004+/-0.000 χ^2/NDF:829180.6/7

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

Left In: 0.004+/-0.000 χ^2/NDF:824135.2/5

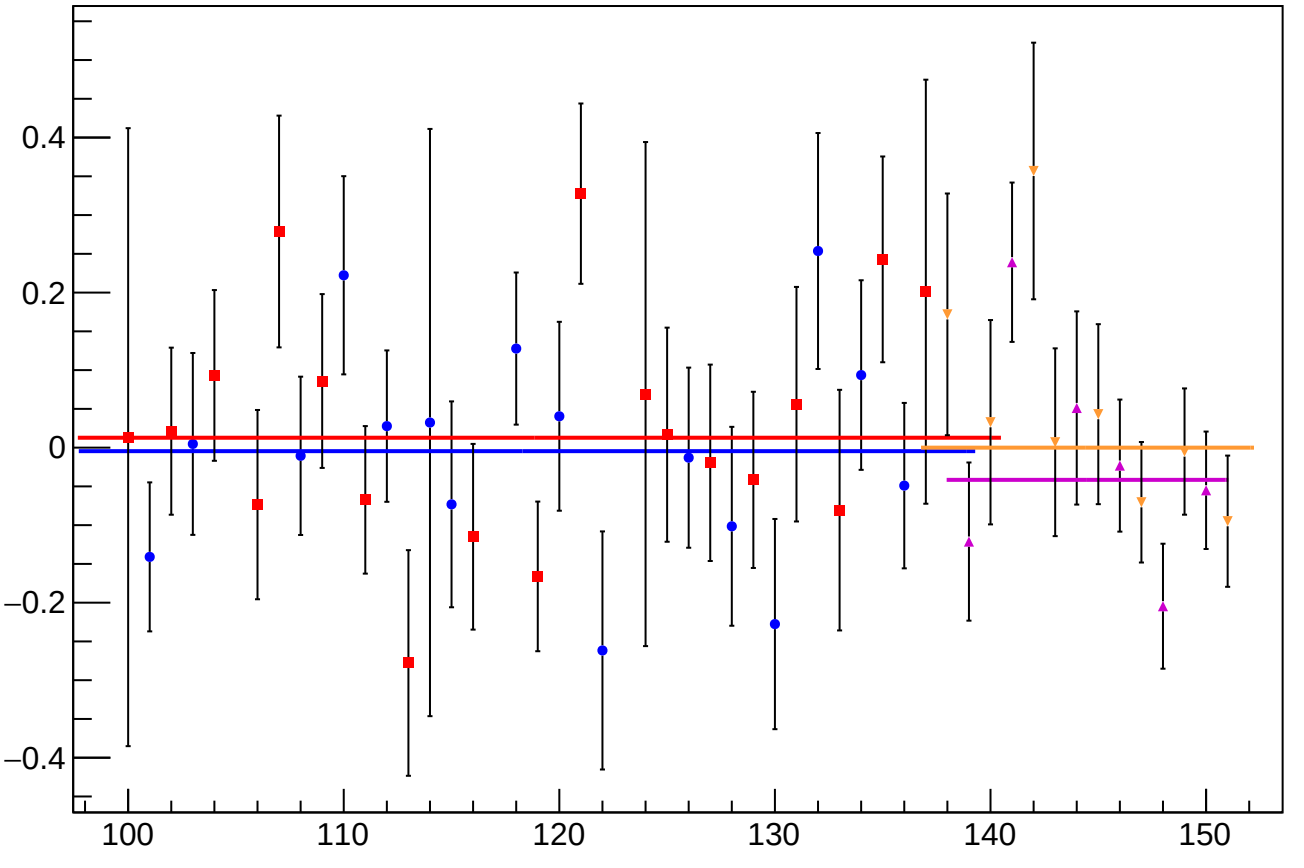
Left: 0.004+/-0.000 χ^2/NDF: 1705546.7/13

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

In: 0.002+/-0.000 χ^2/NDF:12850666.1/21

Out: 0.004+/-0.000 χ^2/NDF:4217470.6/26

All: 0.003+/-0.000 χ^2/NDF: 21350515.4/48



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.042+/-0.037 χ^2/NDF:12.8/5

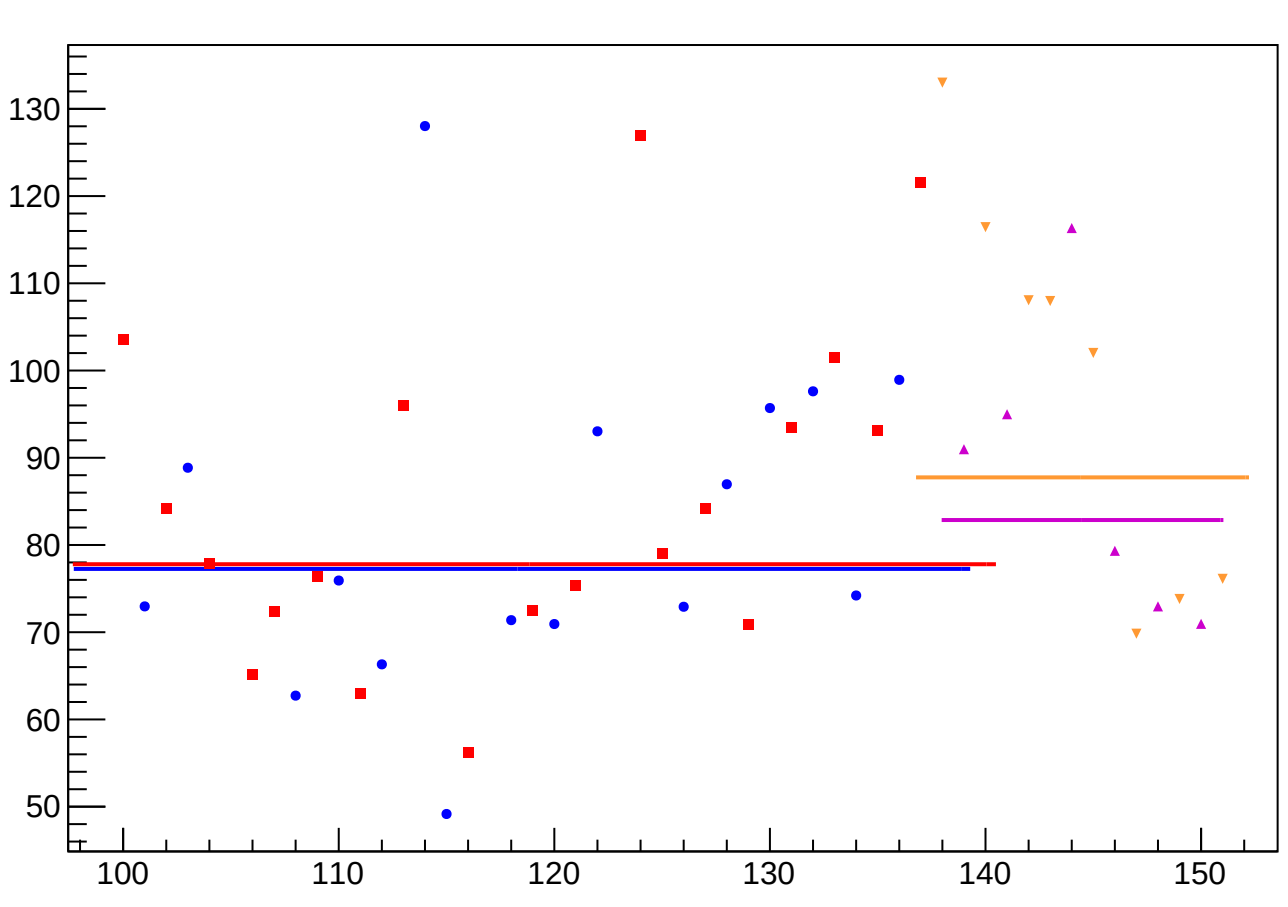
Left: -0.021+/-0.026 χ^2/NDF: 21.6/13

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.023 χ^2/NDF:30.7/21

Out: 0.008+/-0.023 χ^2/NDF:33.7/26

All: -0.006+/-0.016 χ^2/NDF: 65.1/48



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 87.750+/-0.026 χ^2/NDF:581969.2/7

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 82.862+/-0.026 χ^2/NDF:267772.5/5

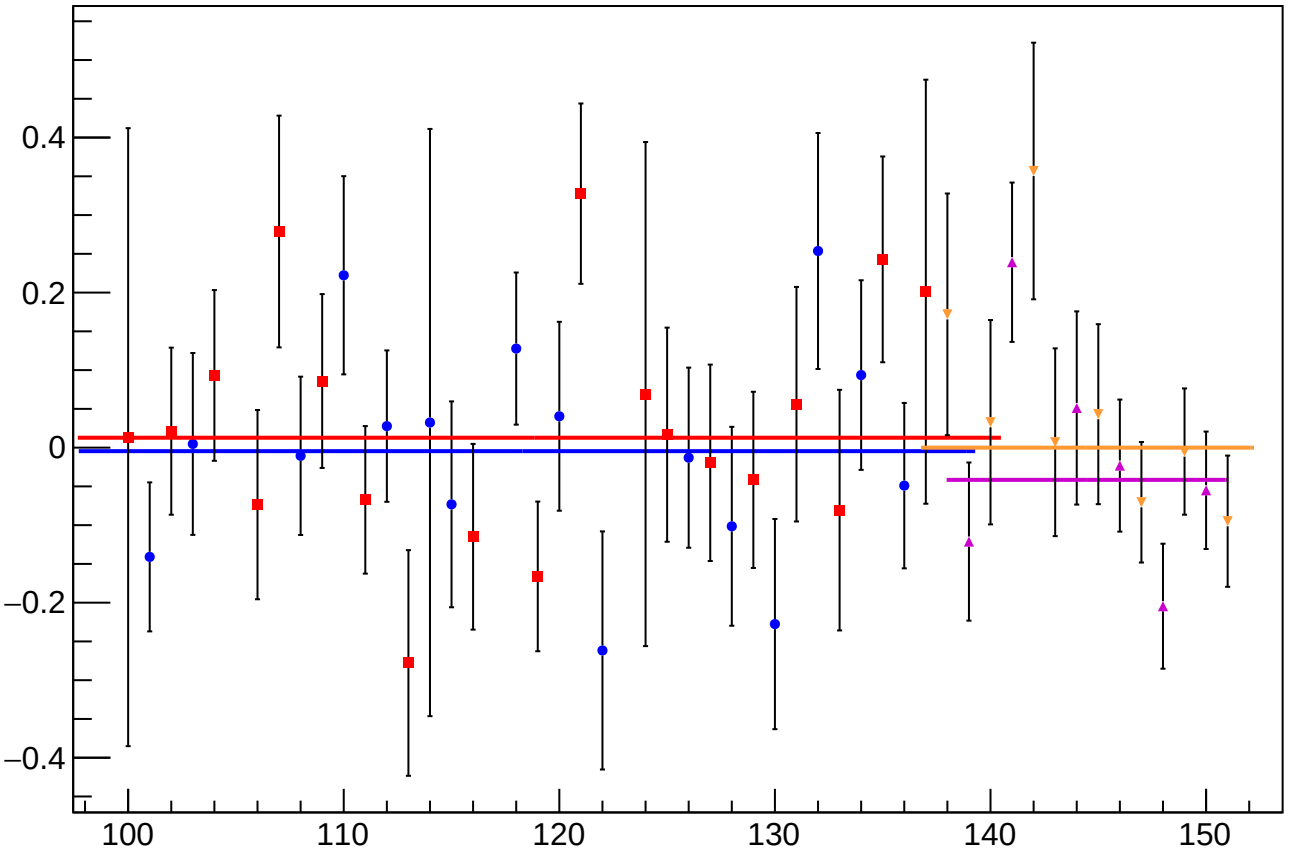
Left: 85.327+/-0.019 χ^2/NDF: 867123.3/13

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

In: 79.467+/-0.017 χ^2/NDF:714486.3/21

Out: 81.709+/-0.016 χ^2/NDF:1066669.0/26

All: 80.600+/-0.012 χ^2/NDF: 1790436.0/48



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.037 χ^2/NDF:8.2/7

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.042+/-0.037 χ^2/NDF:12.8/5

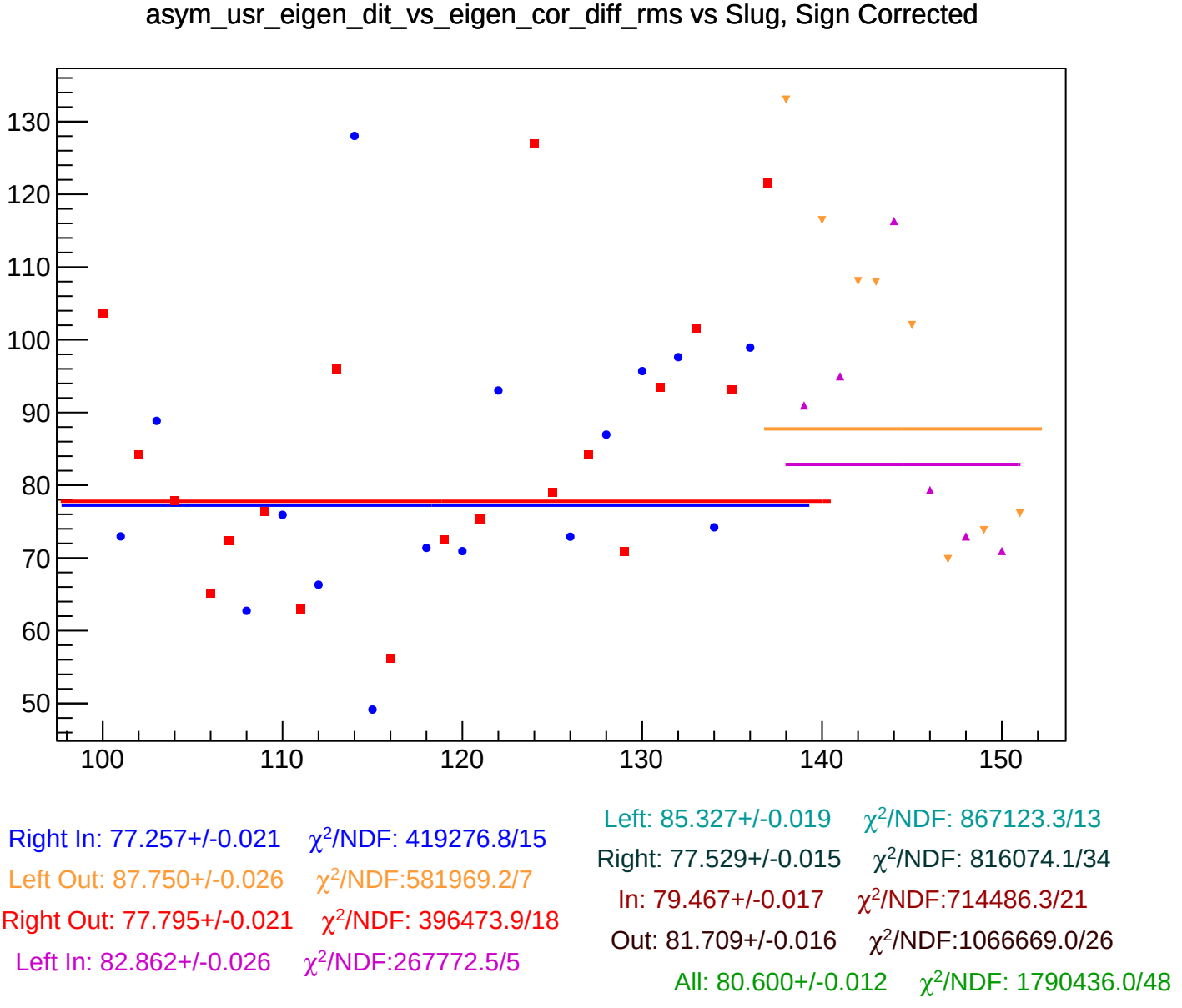
Left: -0.021+/-0.026 χ^2/NDF: 21.6/13

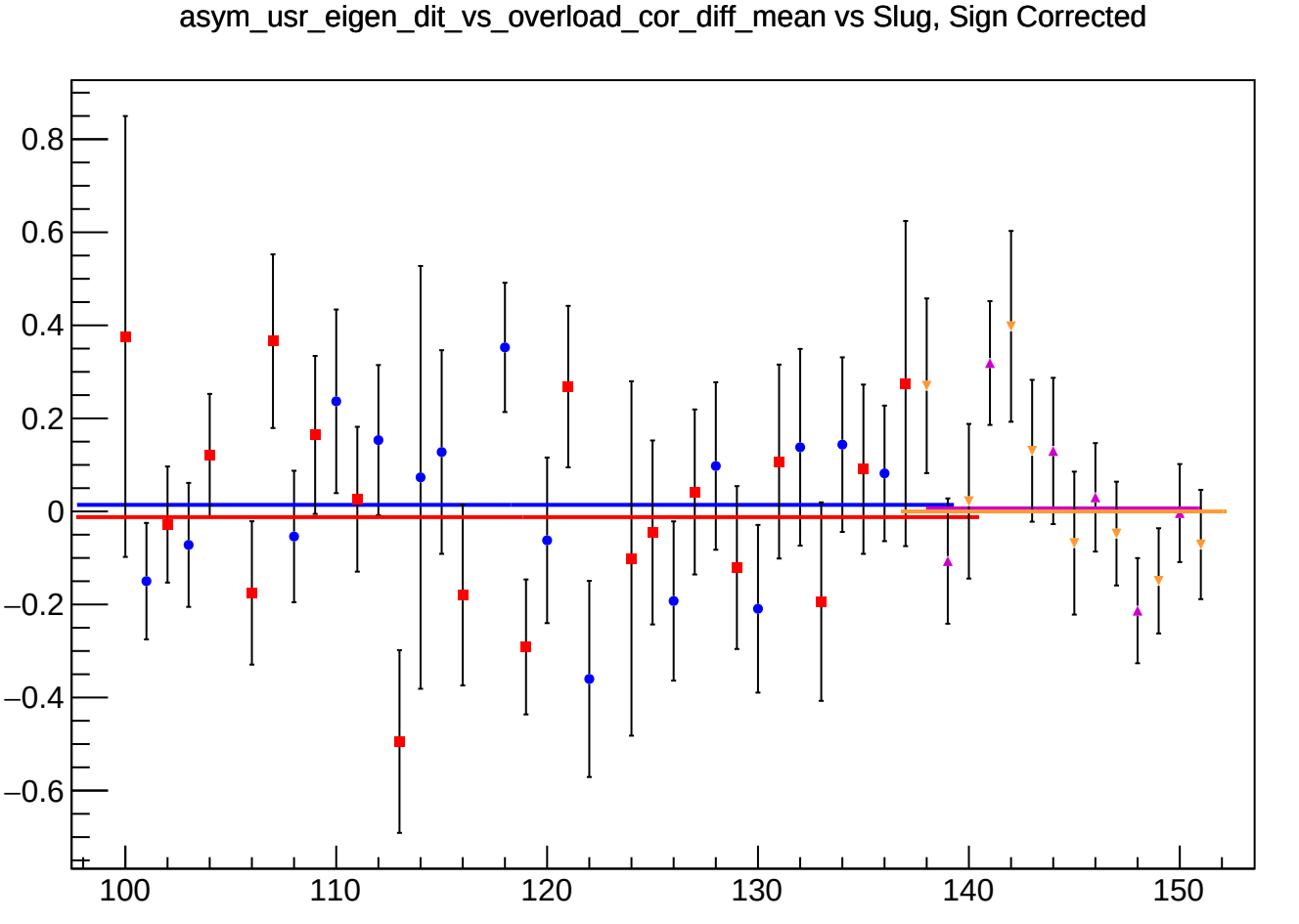
Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

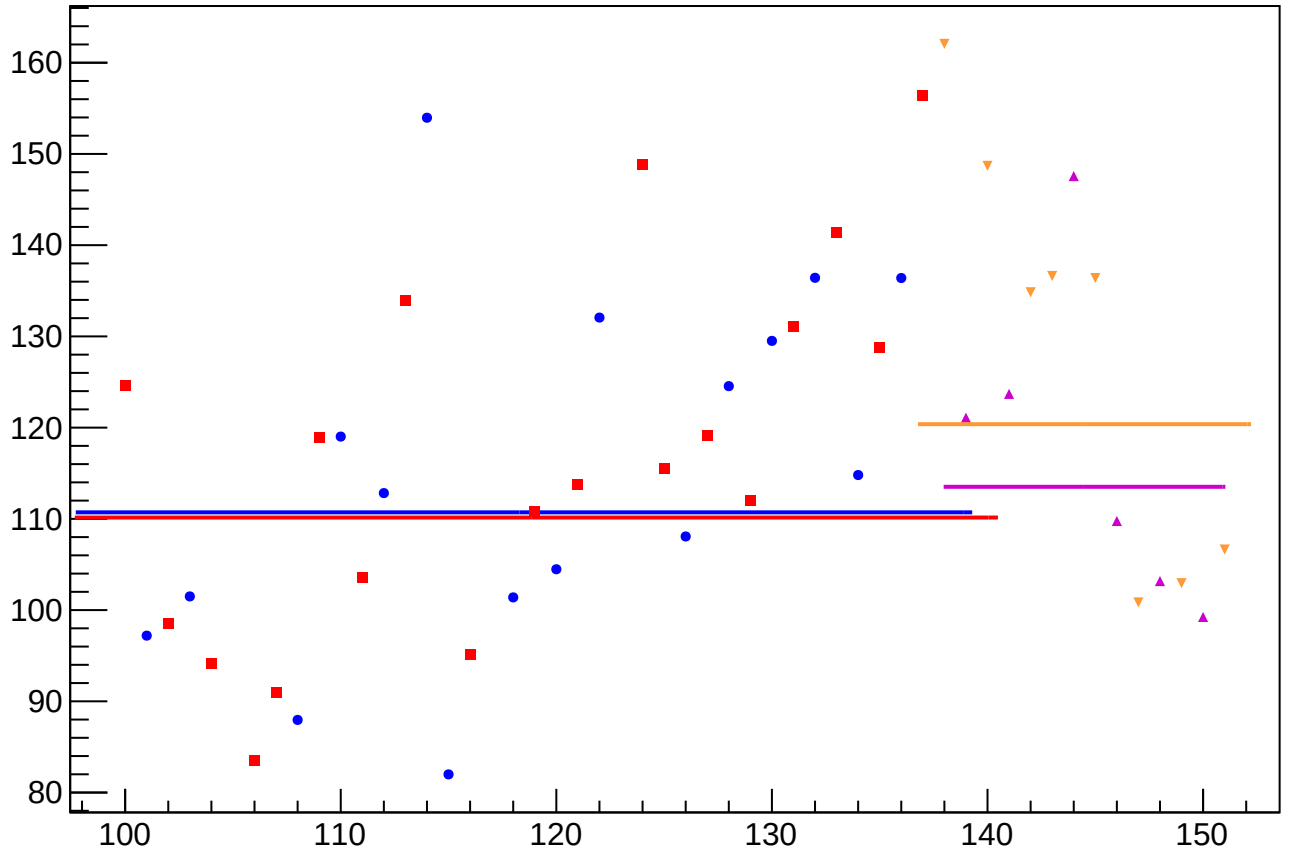
In: -0.019+/-0.023 χ^2/NDF:30.7/21

Out: 0.008+/-0.023 χ^2/NDF:33.7/26

All: -0.006+/-0.016 χ^2/NDF: 65.1/48


asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
130
120
110
100
90
80
70
60
50
100
110
120
130
140
150
Right In: 77.257+/-0.021 χ²/NDF: 419276.8/15
Left Out: 87.750+/-0.026 χ²/NDF:581969.2/7
Right Out: 77.795+/-0.021 χ²/NDF: 396473.9/18
Left In: 82.862+/-0.026 χ²/NDF:267772.5/5
Left: 85.327+/-0.019 χ²/NDF: 867123.3/13
Right: 77.529+/-0.015 χ²/NDF: 816074.1/34
In: 79.467+/-0.017 χ²/NDF:714486.3/21
Out: 81.709+/-0.016 χ²/NDF:1066669.0/26
All: 80.600+/-0.012 χ²/NDF: 1790436.0/48


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.000+/-0.050 χ²/NDF:9.1/7
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.007+/-0.050 χ²/NDF:10.7/5
Left: 0.003+/-0.035 χ²/NDF: 19.8/13
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.011+/-0.032 χ²/NDF:28.9/21
Out: -0.007+/-0.032 χ²/NDF:32.9/26
All: 0.002+/-0.023 χ²/NDF: 61.9/48



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

Left Out: 120.377+/-0.035 χ^2/NDF:347309.8/7

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

Left In: 113.514+/-0.036 χ^2/NDF:167432.8/5

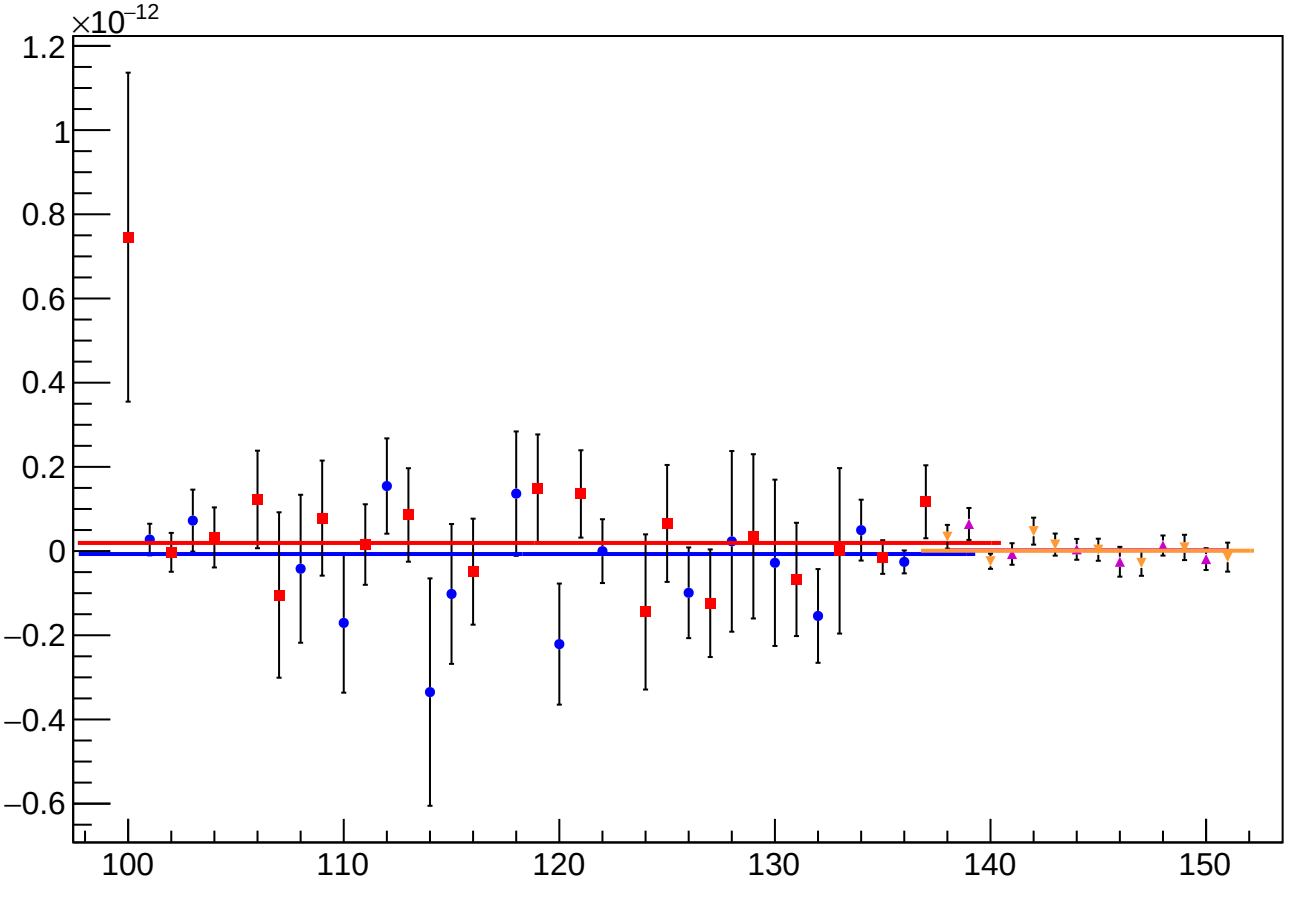
Left: 116.991+/-0.025 χ^2/NDF: 533555.9/13

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

In: 111.871+/-0.023 χ^2/NDF:471008.6/21

Out: 114.325+/-0.022 χ^2/NDF:724141.8/26

All: 113.121+/-0.016 χ^2/NDF: 1201002.9/48



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/5

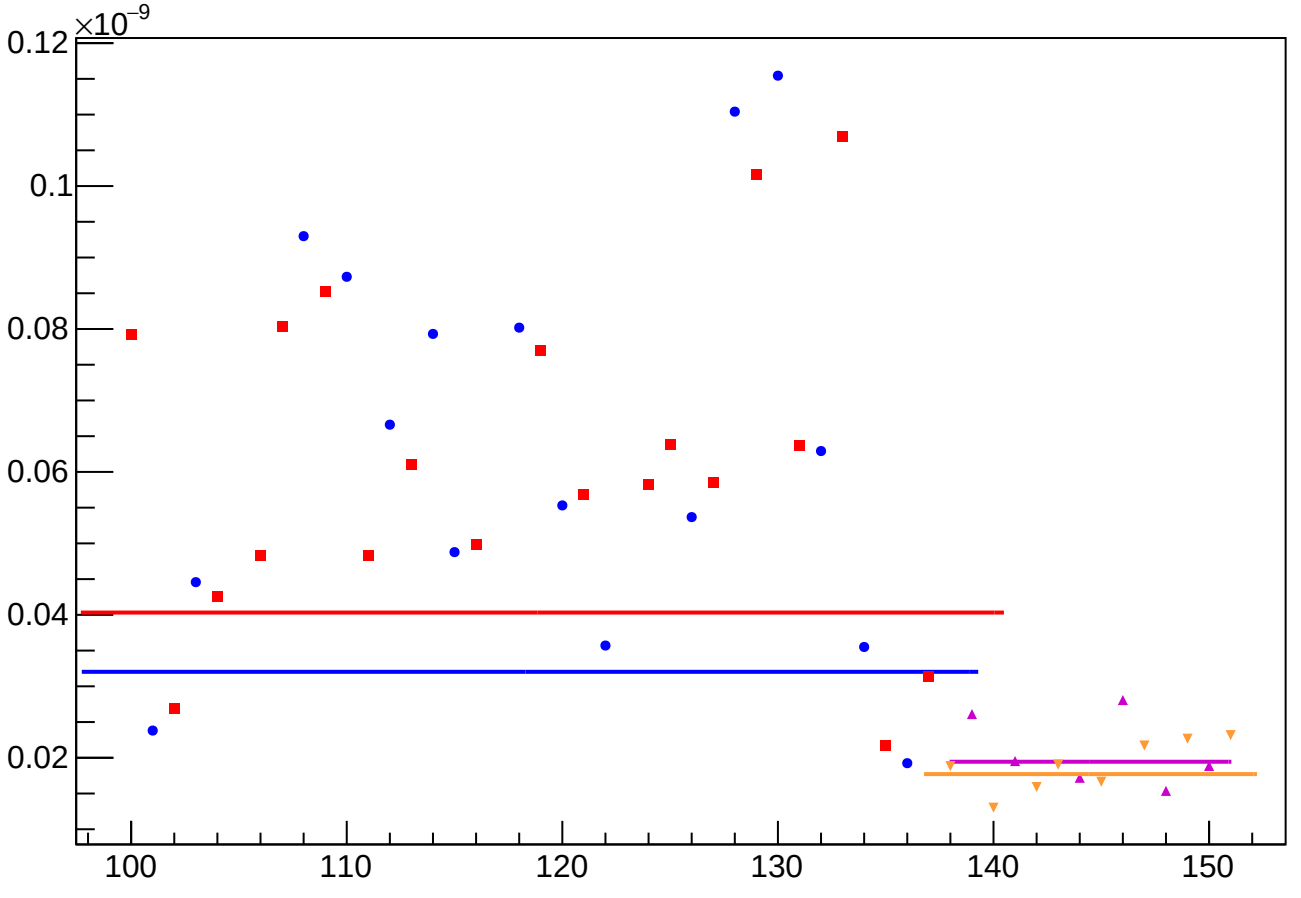
Left: 0.000+/-0.000 χ^2/NDF: 11.2/13

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:18.1/21

Out: 0.000+/-0.000 χ^2/NDF:20.1/26

All: 0.000+/-0.000 χ^2/NDF: 38.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:290488.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:256449.1/5

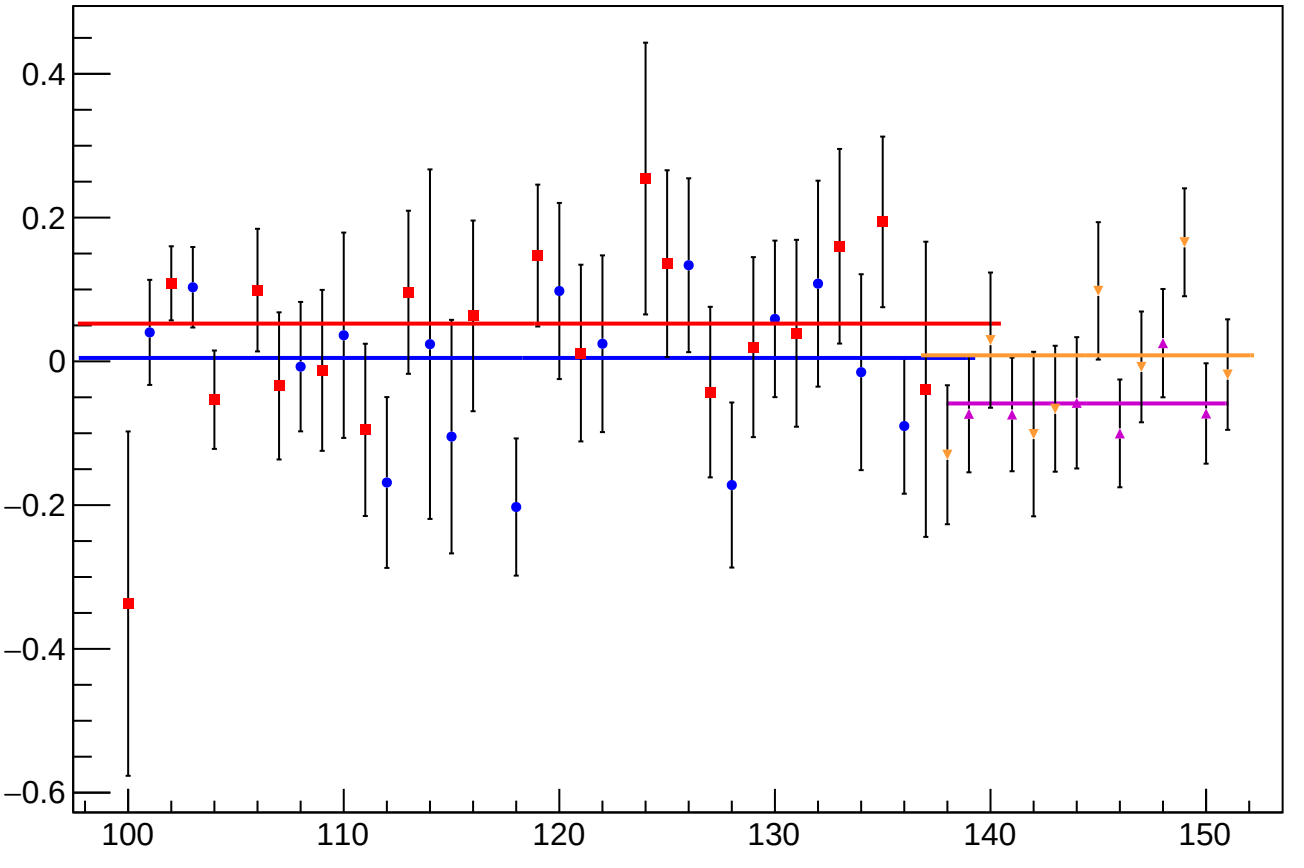
Left: 0.000+/-0.000 χ^2/NDF: 574612.5/13

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

In: 0.000+/-0.000 χ^2/NDF:3423033.9/21

Out: 0.000+/-0.000 χ^2/NDF:4065704.9/26

All: 0.000+/-0.000 χ^2/NDF: 7516597.6/48



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.008+/-0.031 χ^2/NDF:9.2/7

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.059+/-0.032 χ^2/NDF:1.7/5

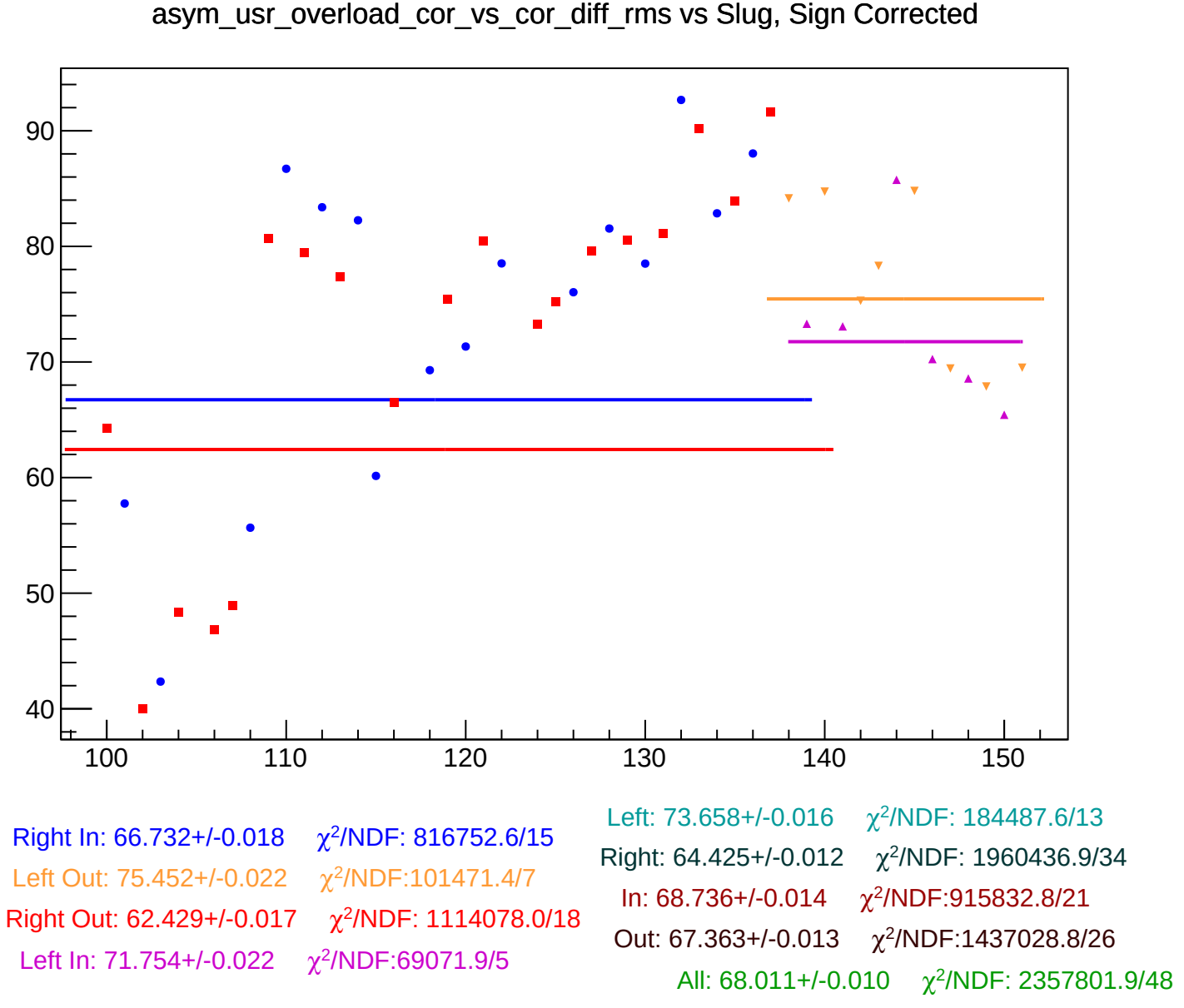
Left: -0.024+/-0.022 χ^2/NDF: 13.1/13

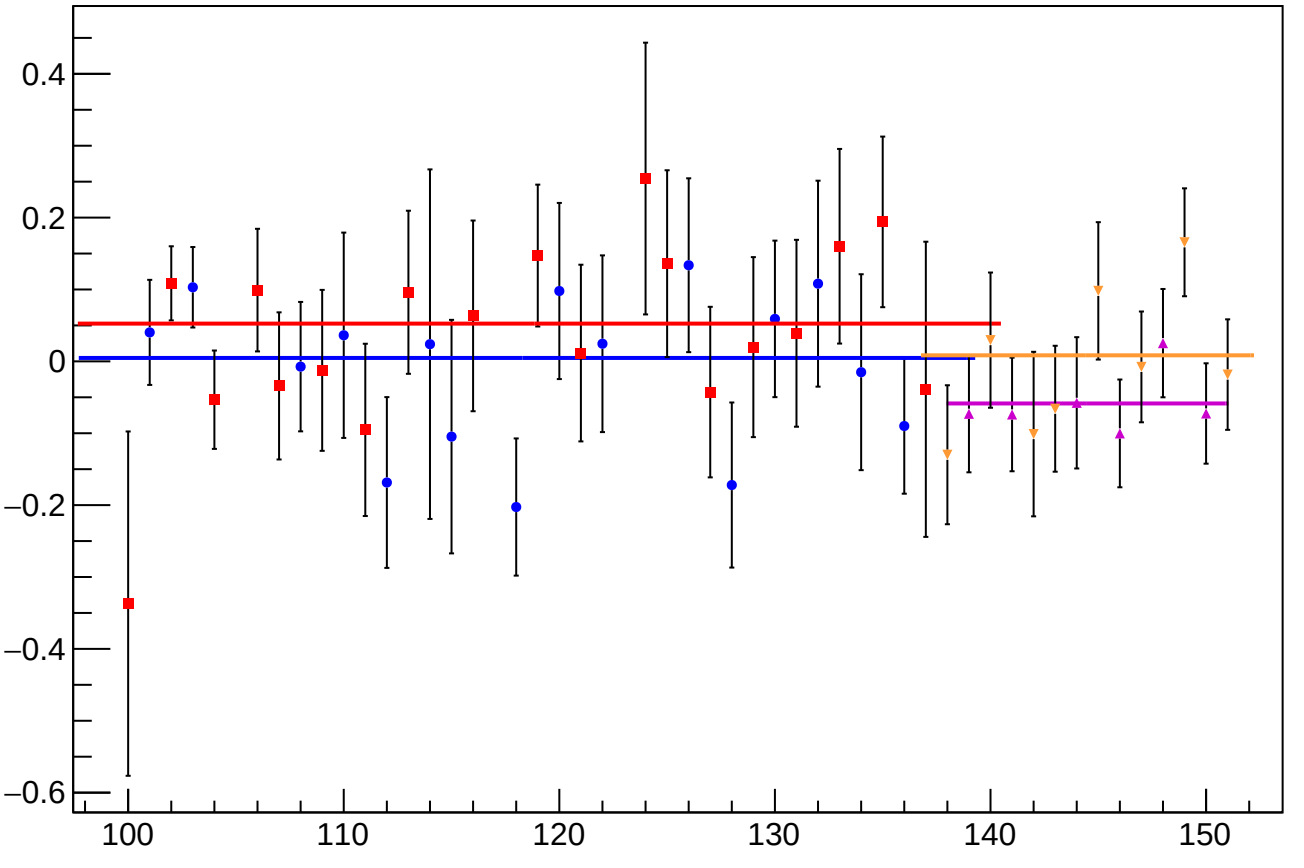
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.021+/-0.020 χ^2/NDF:20.7/21

Out: 0.036+/-0.019 χ^2/NDF:25.2/26

All: 0.009+/-0.014 χ^2/NDF: 50.1/48


asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 75.452+/-0.022 χ²/NDF:101471.4/7
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.754+/-0.022 χ²/NDF:69071.9/5
Left: 73.658+/-0.016 χ²/NDF: 184487.6/13
Right: 64.425+/-0.012 χ²/NDF: 1960436.9/34
In: 68.736+/-0.014 χ²/NDF:915832.8/21
Out: 67.363+/-0.013 χ²/NDF:1437028.8/26
All: 68.011+/-0.010 χ²/NDF: 2357801.9/48



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.008+/-0.031 χ^2/NDF:9.2/7

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.059+/-0.032 χ^2/NDF:1.7/5

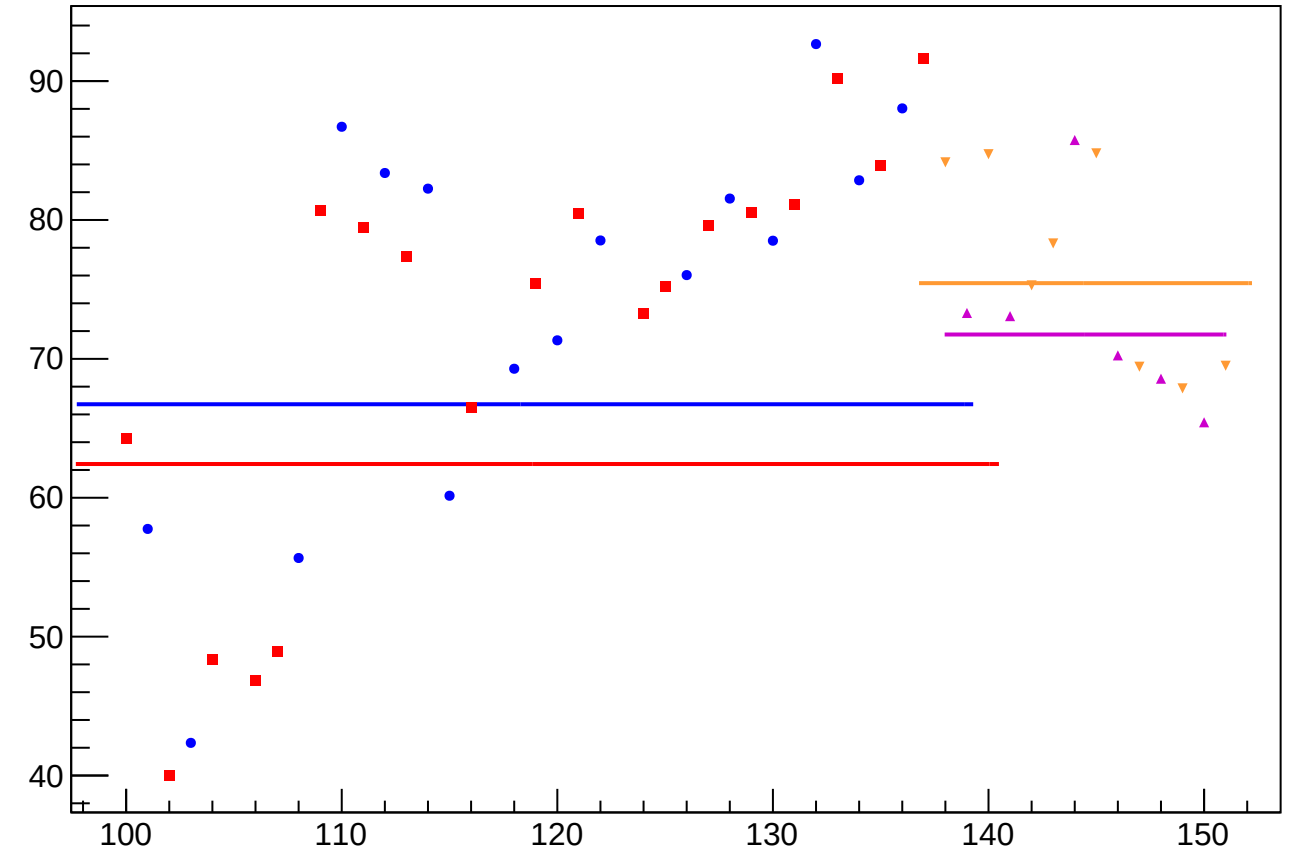
Left: -0.024+/-0.022 χ^2/NDF: 13.1/13

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.021+/-0.020 χ^2/NDF:20.7/21

Out: 0.036+/-0.019 χ^2/NDF:25.2/26

All: 0.009+/-0.014 χ^2/NDF: 50.1/48



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 75.452+/-0.022 χ^2/NDF:101471.4/7

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.754+/-0.022 χ^2/NDF:69071.9/5

Left: 73.658+/-0.016 χ^2/NDF: 184487.6/13

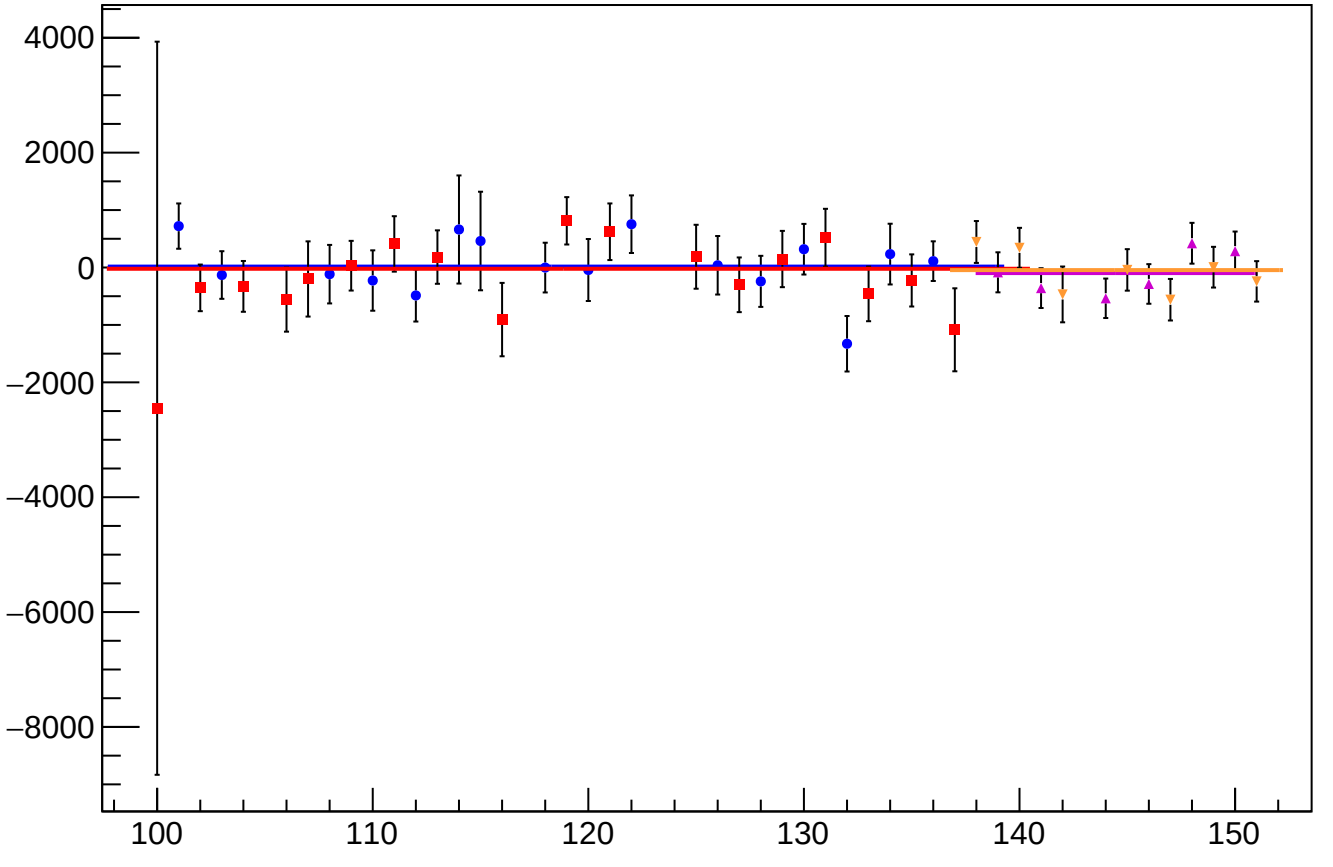
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 68.736+/-0.014 χ^2/NDF:915832.8/21

Out: 67.363+/-0.013 χ^2/NDF:1437028.8/26

All: 68.011+/-0.010 χ^2/NDF: 2357801.9/48

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -45.542+/-139.579 χ^2/NDF:6.2/6

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -97.217+/-141.506 χ^2/NDF:5.9/5

Left: -71.025+/-99.371 χ^2/NDF: 12.1/12

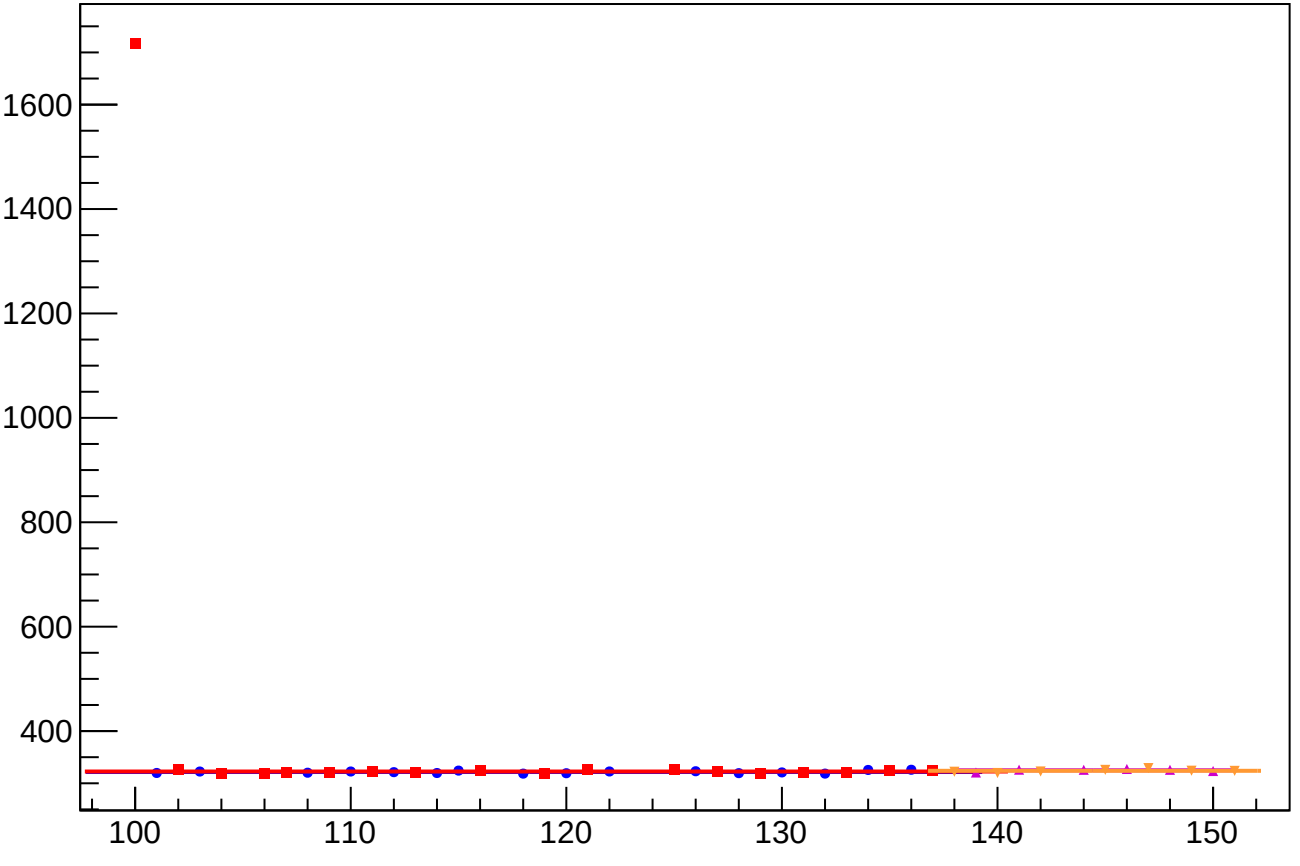
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -31.380+/-91.269 χ^2/NDF:22.8/21

Out: -32.013+/-90.649 χ^2/NDF:22.2/24

All: -31.699+/-64.317 χ^2/NDF: 45.0/46

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.919+/-0.099 χ^2/NDF:815.6/6

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 324.929+/-0.100 χ^2/NDF:488.3/5

Left: 324.417+/-0.070 χ^2/NDF: 1355.5/12

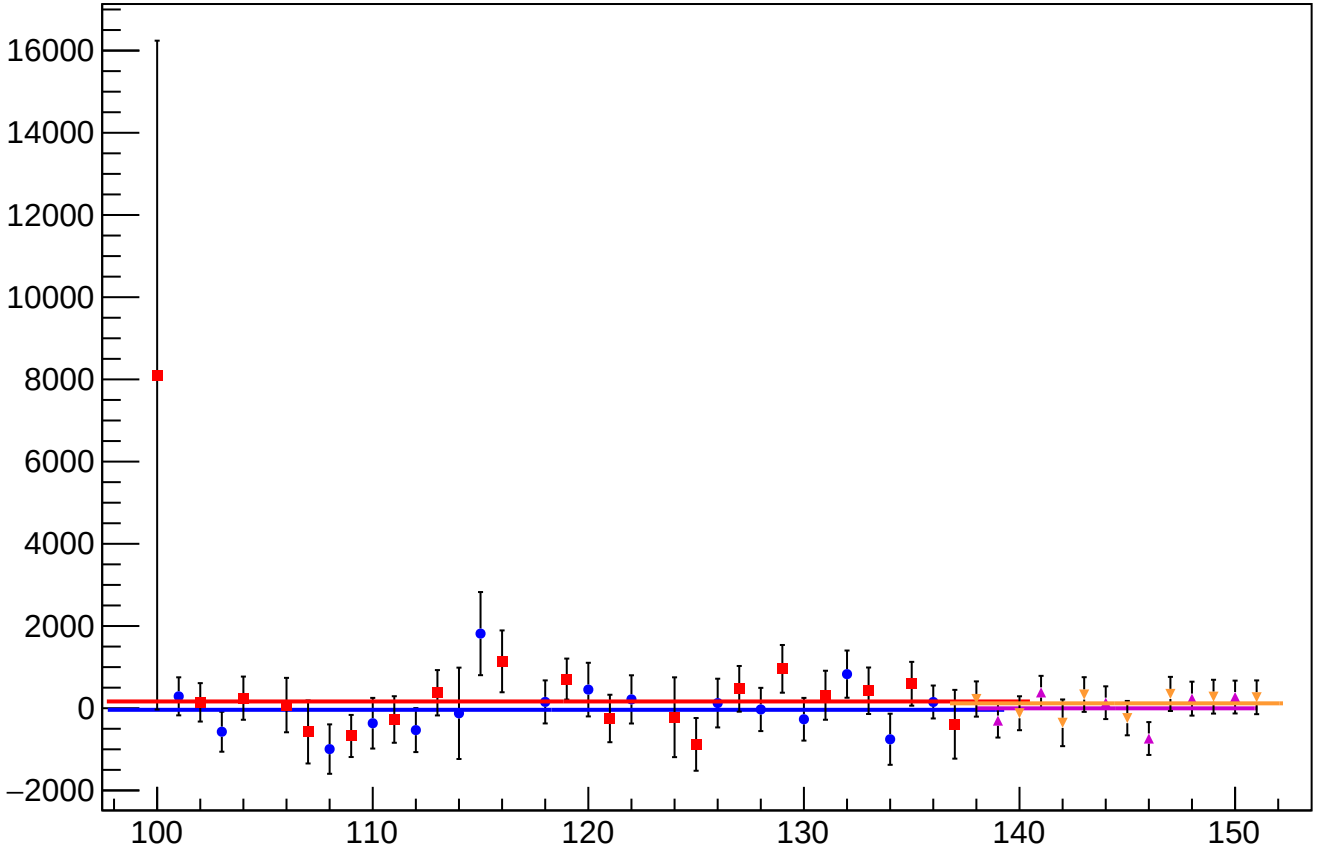
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.987+/-0.065 χ^2/NDF:1955.9/21

Out: 323.129+/-0.064 χ^2/NDF:97818.4/24

All: 323.059+/-0.045 χ^2/NDF: 99776.7/46

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 118.631+/-151.826 χ^2/NDF:2.7/7

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -2.743+/-164.964 χ^2/NDF:5.7/5

Left: 62.969+/-111.713 χ^2/NDF: 8.7/13

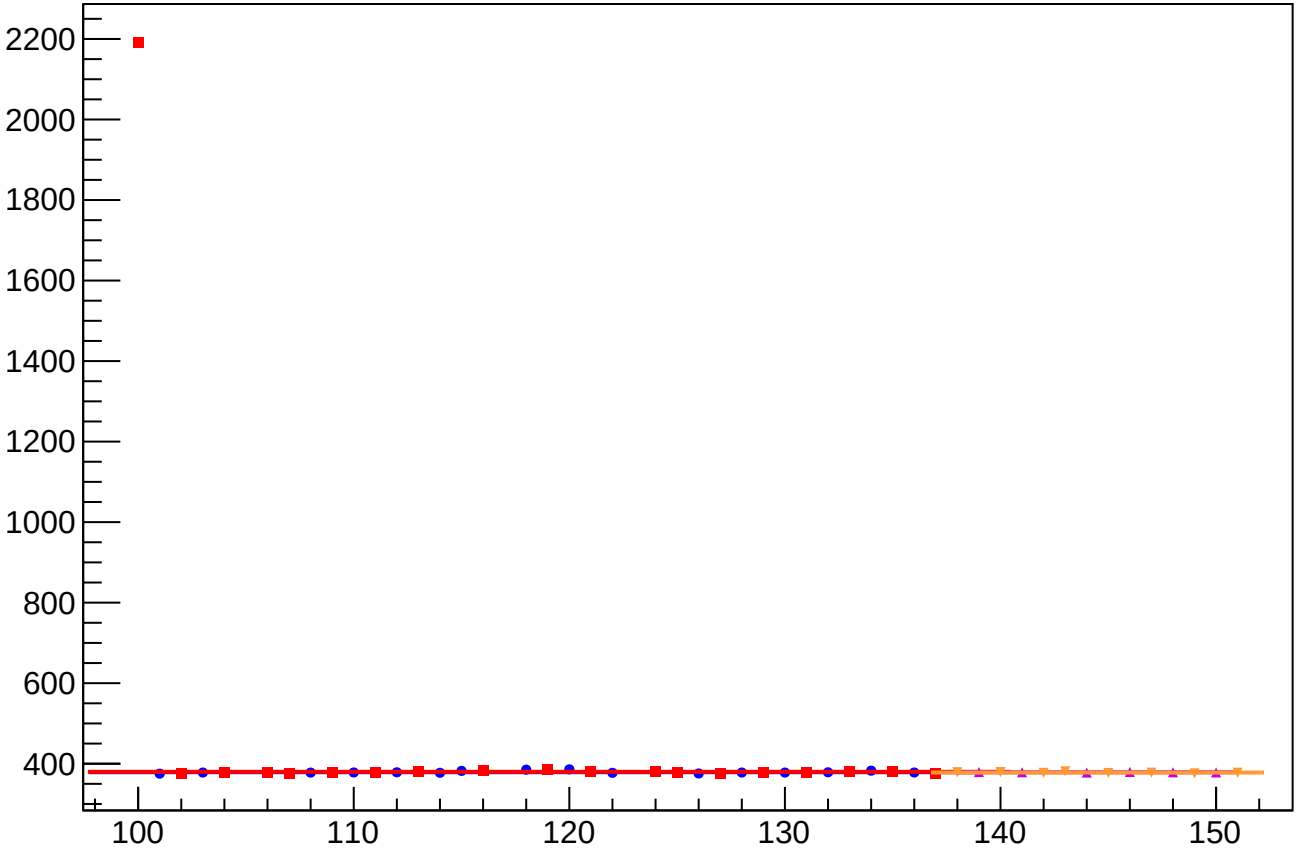
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -23.680+/-107.059 χ^2/NDF:19.5/21

Out: 143.666+/-102.508 χ^2/NDF:17.8/26

All: 63.626+/-74.041 χ^2/NDF: 38.6/48

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.093+/-0.107 χ^2/NDF:193.8/7

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.776+/-0.117 χ^2/NDF:19.3/5

Left: 378.407+/-0.079 χ^2/NDF: 231.6/13

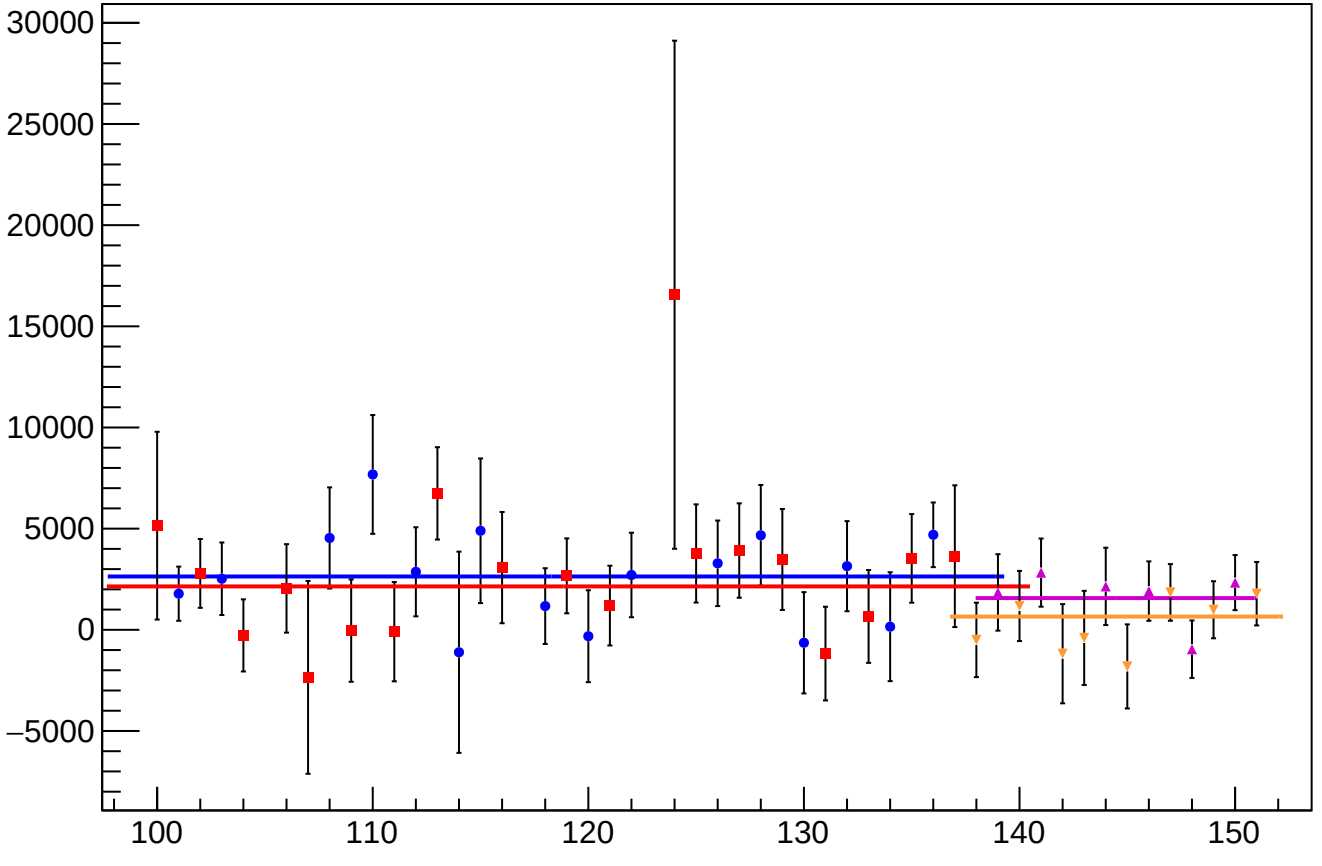
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.854+/-0.076 χ^2/NDF:871.3/21

Out: 379.064+/-0.072 χ^2/NDF:99965.6/26

All: 378.964+/-0.052 χ^2/NDF: 100840.9/48

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 654.484+/-616.549 χ^2/NDF:4.0/7

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1568.537+/-644.924 χ^2/NDF:4.2/5

Left: 1090.961+/-445.660 χ^2/NDF: 9.2/13

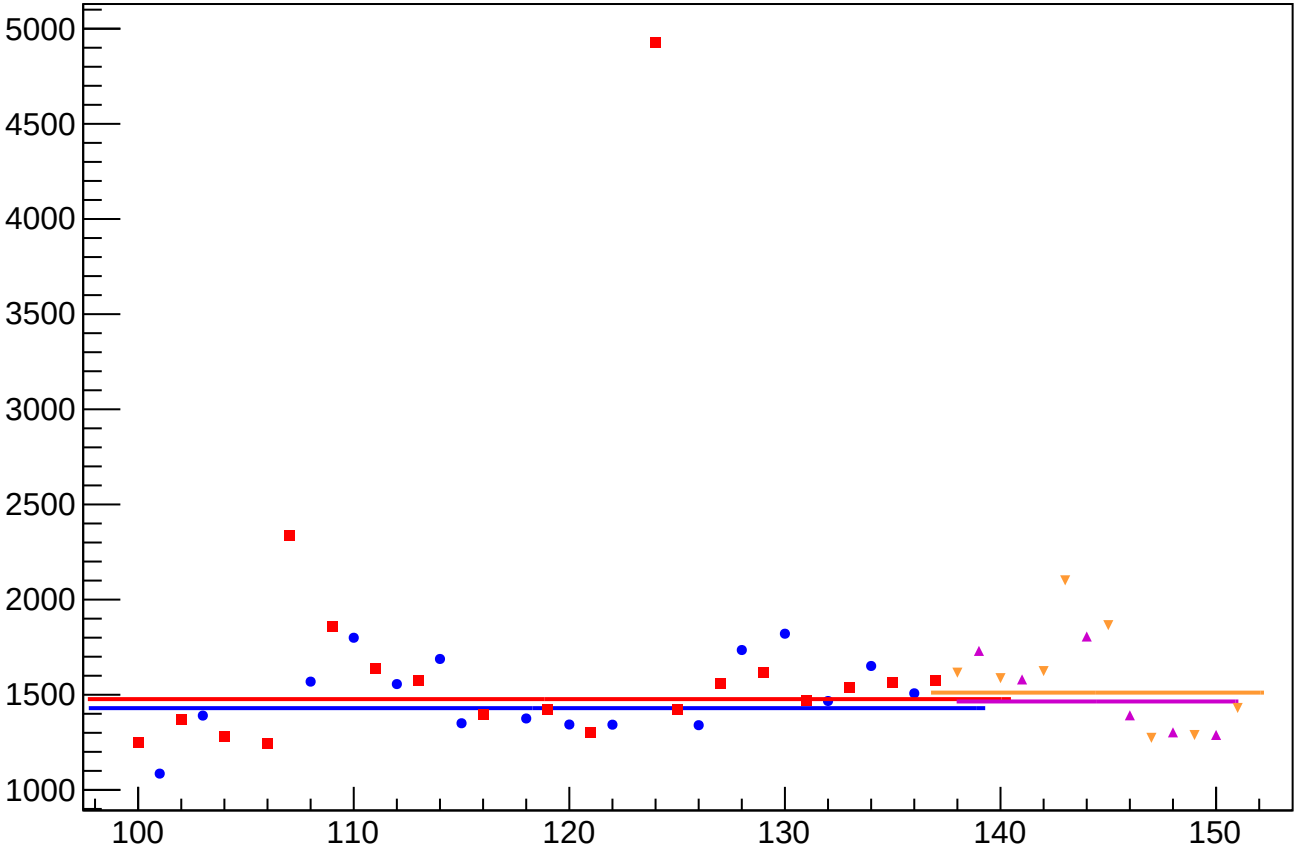
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2197.585+/-413.141 χ^2/NDF:18.1/21

Out: 1488.326+/-409.161 χ^2/NDF:22.3/26

All: 1839.523+/-290.718 χ^2/NDF: 41.8/48

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1511.266+/-0.436 χ^2/NDF:314159.4/7

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1464.692+/-0.456 χ^2/NDF:177120.5/5

Left: 1489.026+/-0.315 χ^2/NDF: 496729.5/13

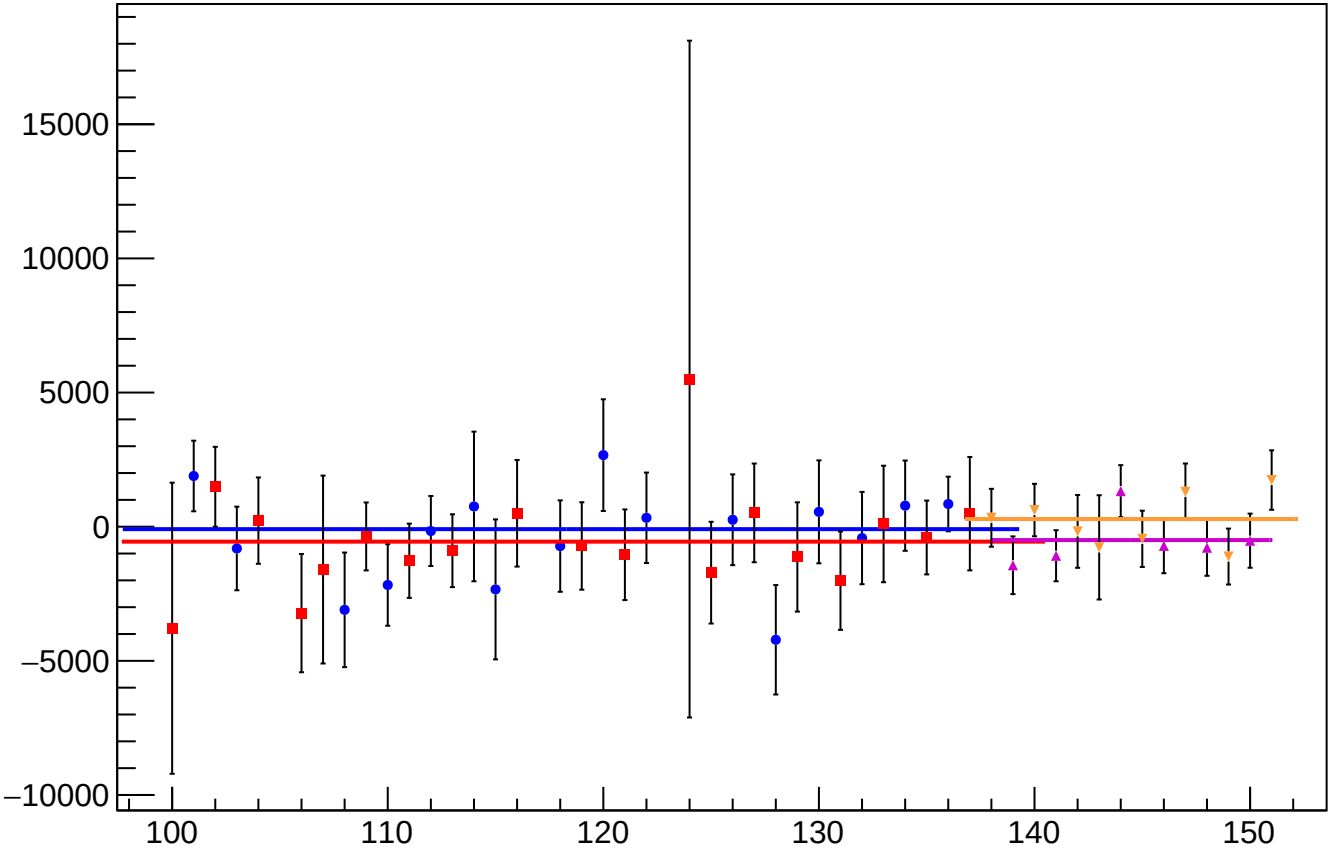
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1444.033+/-0.292 χ^2/NDF:473989.8/21

Out: 1492.161+/-0.289 χ^2/NDF:687021.6/26

All: 1468.330+/-0.206 χ^2/NDF: 1174713.8/48

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 285.645+/-399.767 χ^2/NDF:5.5/7

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -498.688+/-412.306 χ^2/NDF:4.8/5

Left: -94.414+/-287.008 χ^2/NDF: 12.1/13

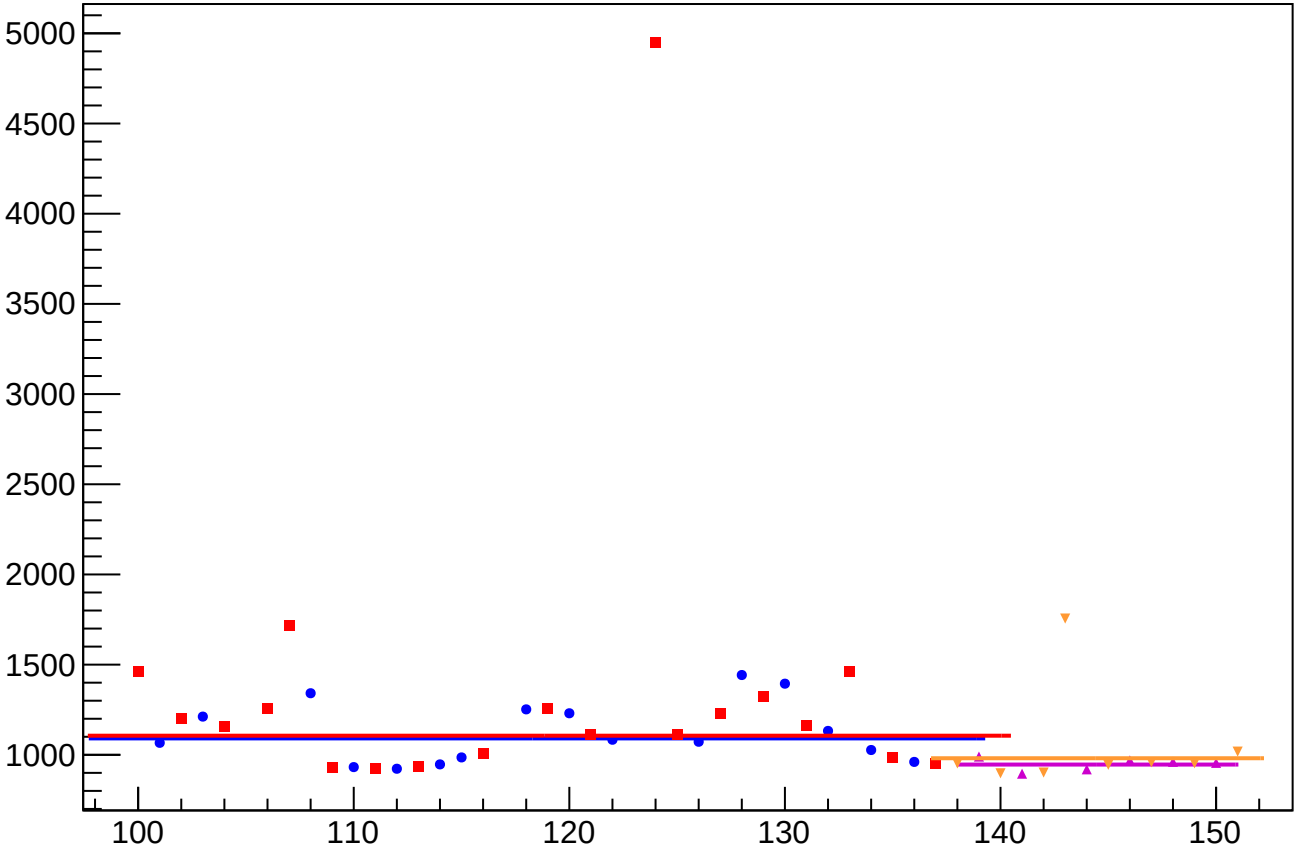
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -293.832+/-290.710 χ^2/NDF:19.8/21

Out: -123.573+/-286.684 χ^2/NDF:14.4/26

All: -207.516+/-204.125 χ^2/NDF: 34.4/48

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 981.096+/-0.283 χ^2/NDF:347530.2/7

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 946.025+/-0.292 χ^2/NDF:12140.2/5

Left: 964.102+/-0.203 χ^2/NDF: 367128.8/13

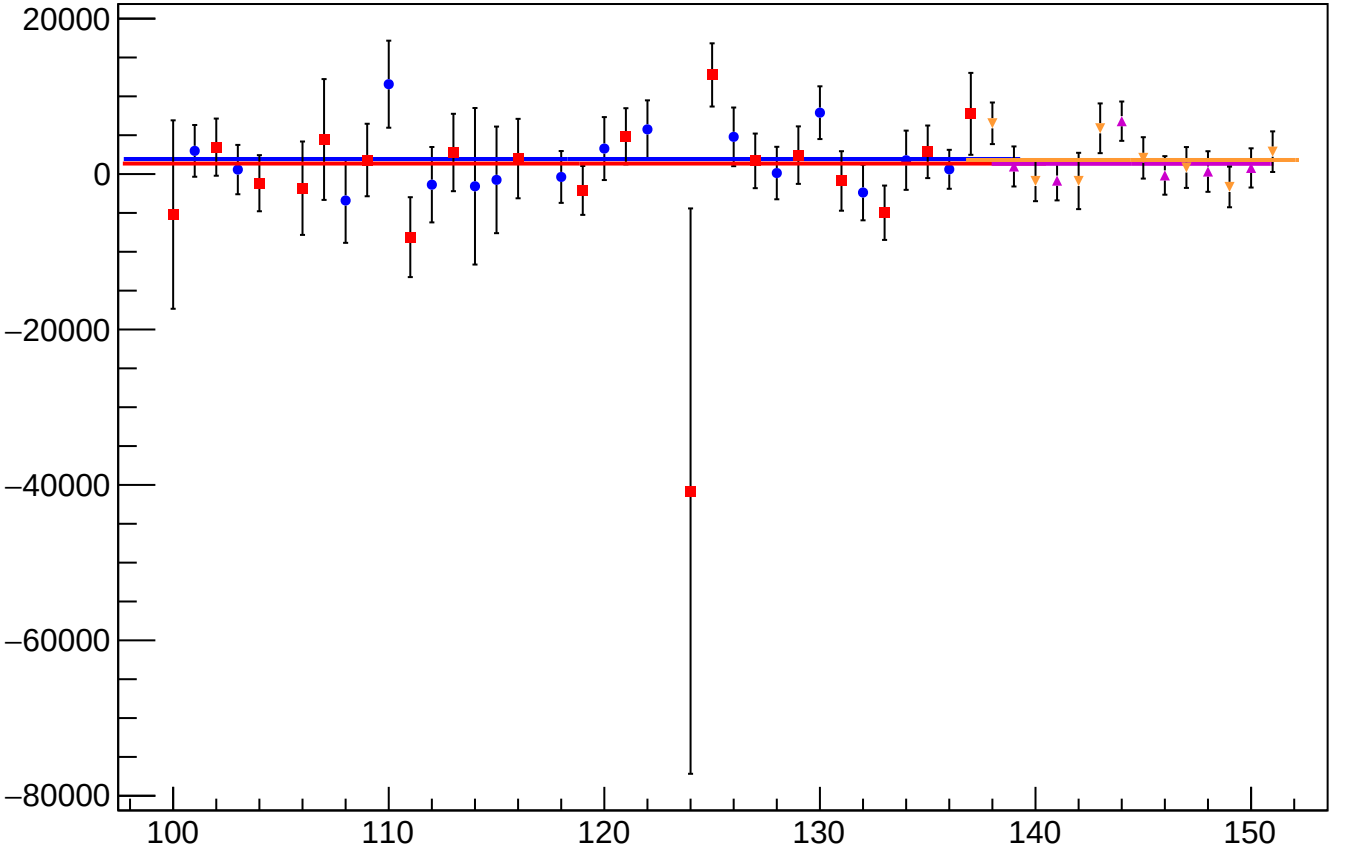
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1018.947+/-0.206 χ^2/NDF:413858.0/21

Out: 1041.787+/-0.203 χ^2/NDF:956532.1/26

All: 1030.527+/-0.144 χ^2/NDF: 1376648.9/48

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1811.729+/-980.759 χ^2/NDF:8.4/7

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1319.141+/-1038.281 χ^2/NDF:6.0/5

Left: 1579.457+/-712.970 χ^2/NDF: 14.6/13

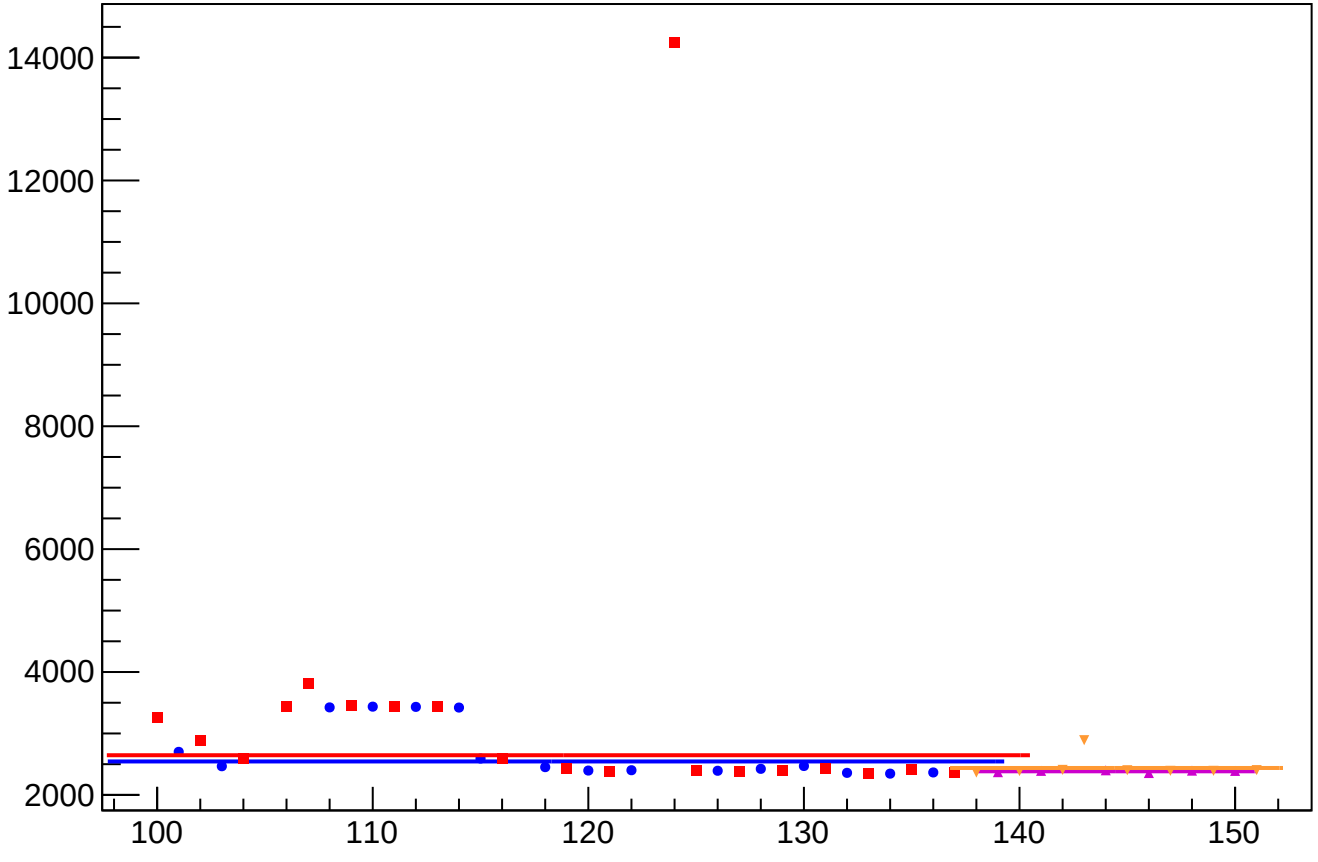
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1656.074+/-701.904 χ^2/NDF:18.4/21

Out: 1583.595+/-695.038 χ^2/NDF:30.3/26

All: 1619.479+/-493.876 χ^2/NDF: 48.8/48

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2438.148+/-0.694 χ^2/NDF:44411.5/7

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2384.111+/-0.734 χ^2/NDF:459.2/5

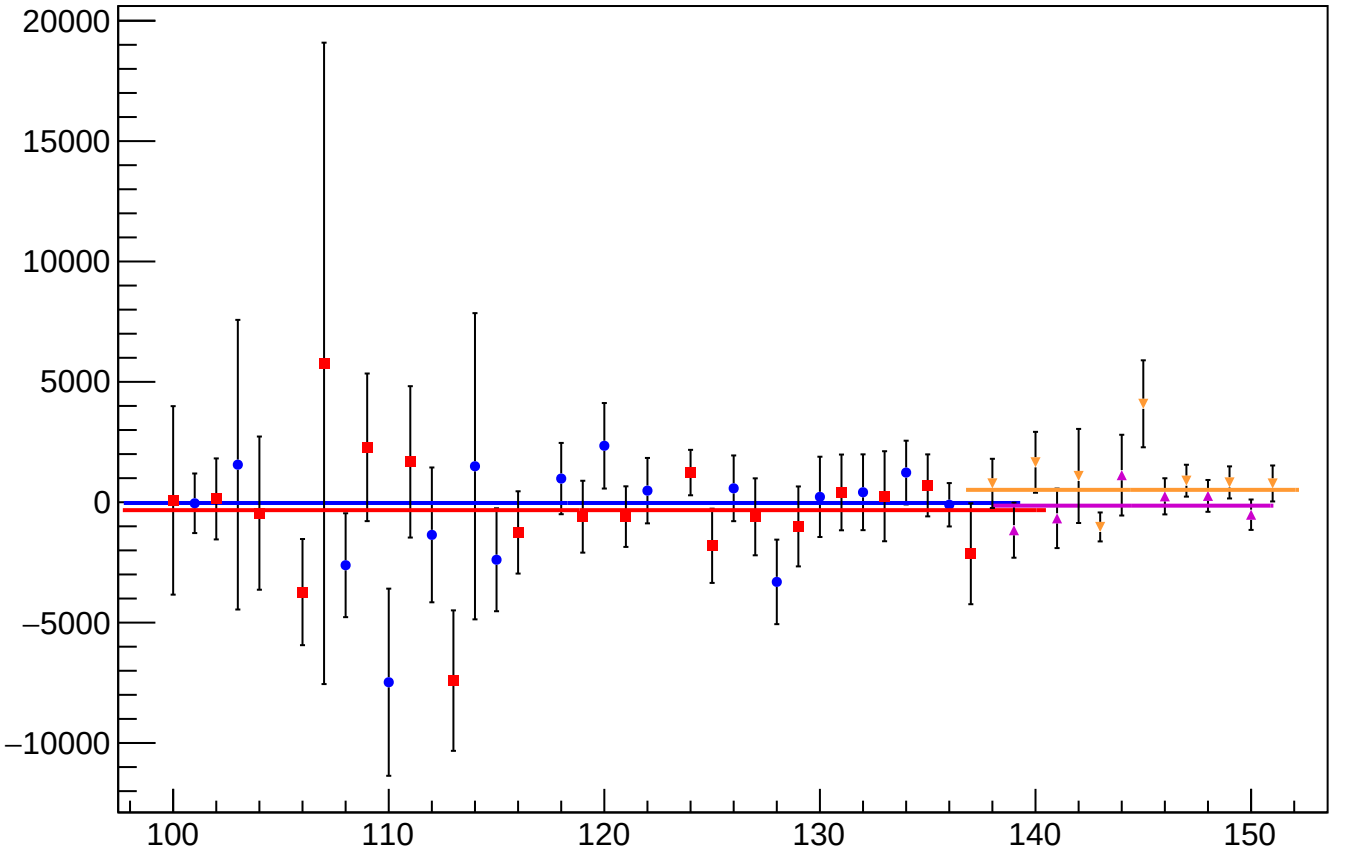
Left: 2412.668+/-0.504 χ^2/NDF: 47733.6/13

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2471.155+/-0.496 χ^2/NDF:251960.4/21

Out: 2541.437+/-0.491 χ^2/NDF:625939.6/26

All: 2506.642+/-0.349 χ^2/NDF: 888024.9/48



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 514.498+/-298.248 χ^2/NDF:12.1/7

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -142.285+/-346.129 χ^2/NDF:2.5/5

Left: 234.642+/-225.941 χ^2/NDF: 16.7/13

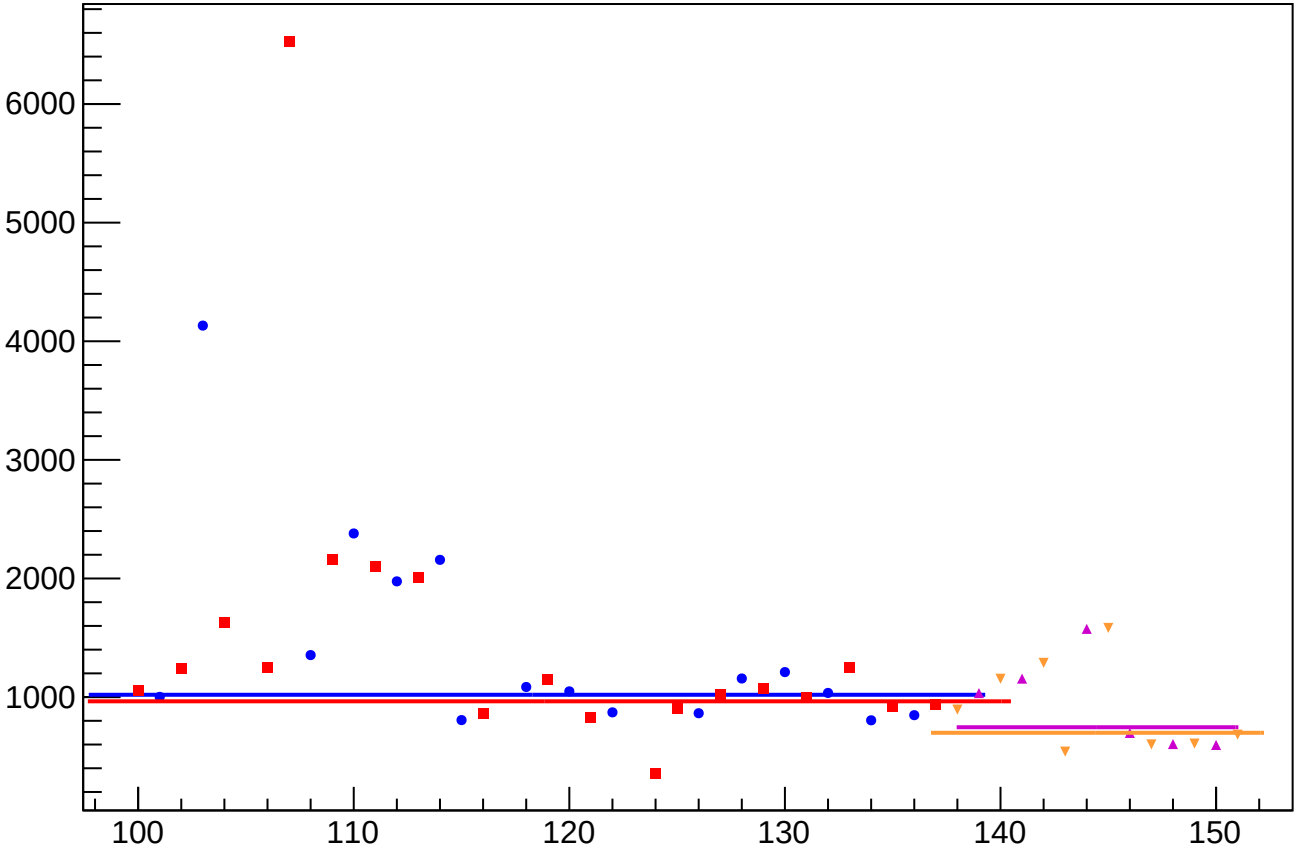
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -95.489+/-263.325 χ^2/NDF:16.4/21

Out: 211.909+/-238.793 χ^2/NDF:30.6/26

All: 73.193+/-176.891 χ^2/NDF: 47.7/48

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 699.047+/-0.211 χ^2/NDF:1215765.9/7

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 745.835+/-0.245 χ^2/NDF:1048177.4/5

Left: 718.983+/-0.160 χ^2/NDF: 2284916.6/13

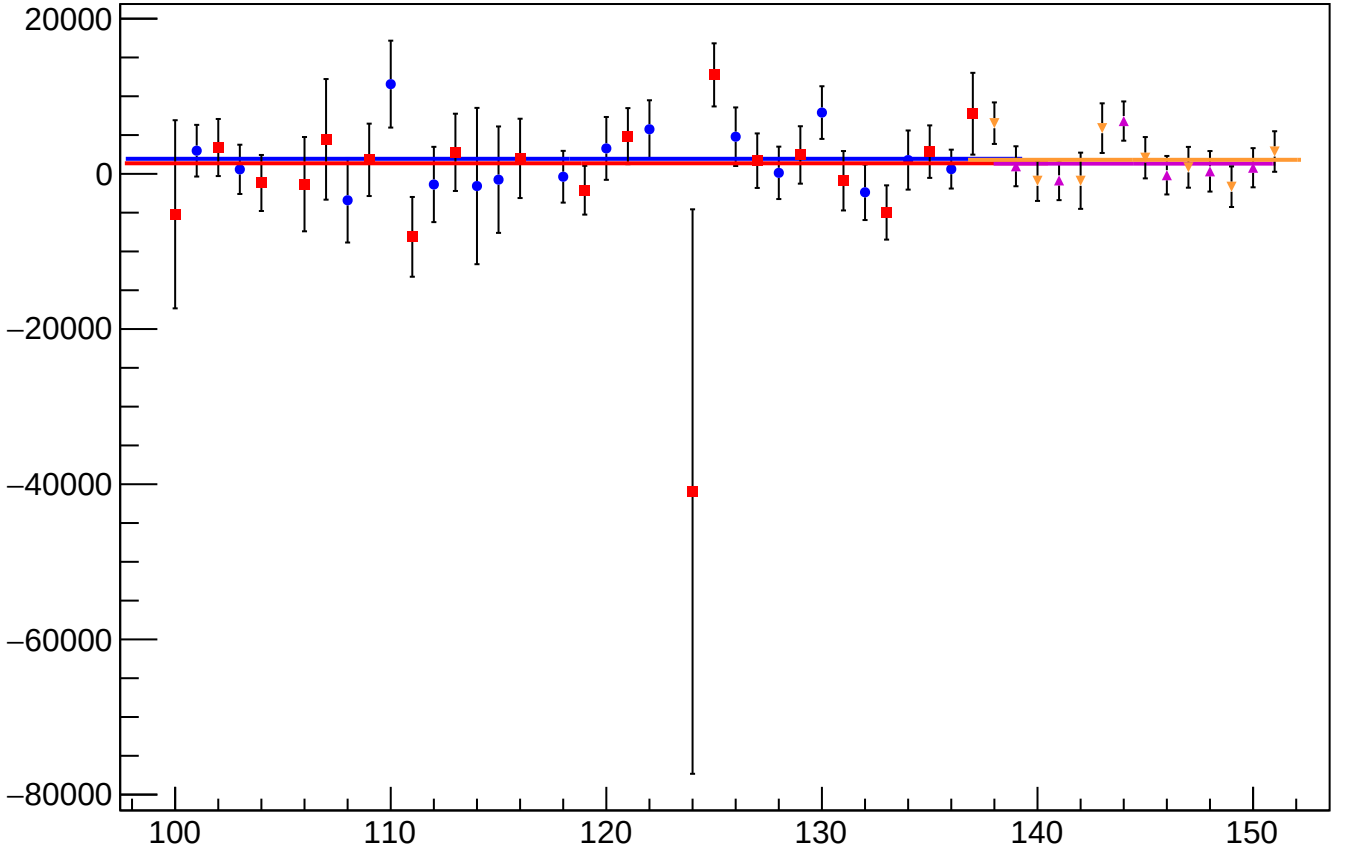
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 861.120+/-0.186 χ^2/NDF:2939645.1/21

Out: 794.289+/-0.169 χ^2/NDF:4093316.1/26

All: 824.447+/-0.125 χ^2/NDF: 7103653.6/48

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1811.502+/-980.759 χ^2/NDF:8.4/7

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1319.321+/-1038.281 χ^2/NDF:6.0/5

Left: 1579.422+/-712.970 χ^2/NDF: 14.6/13

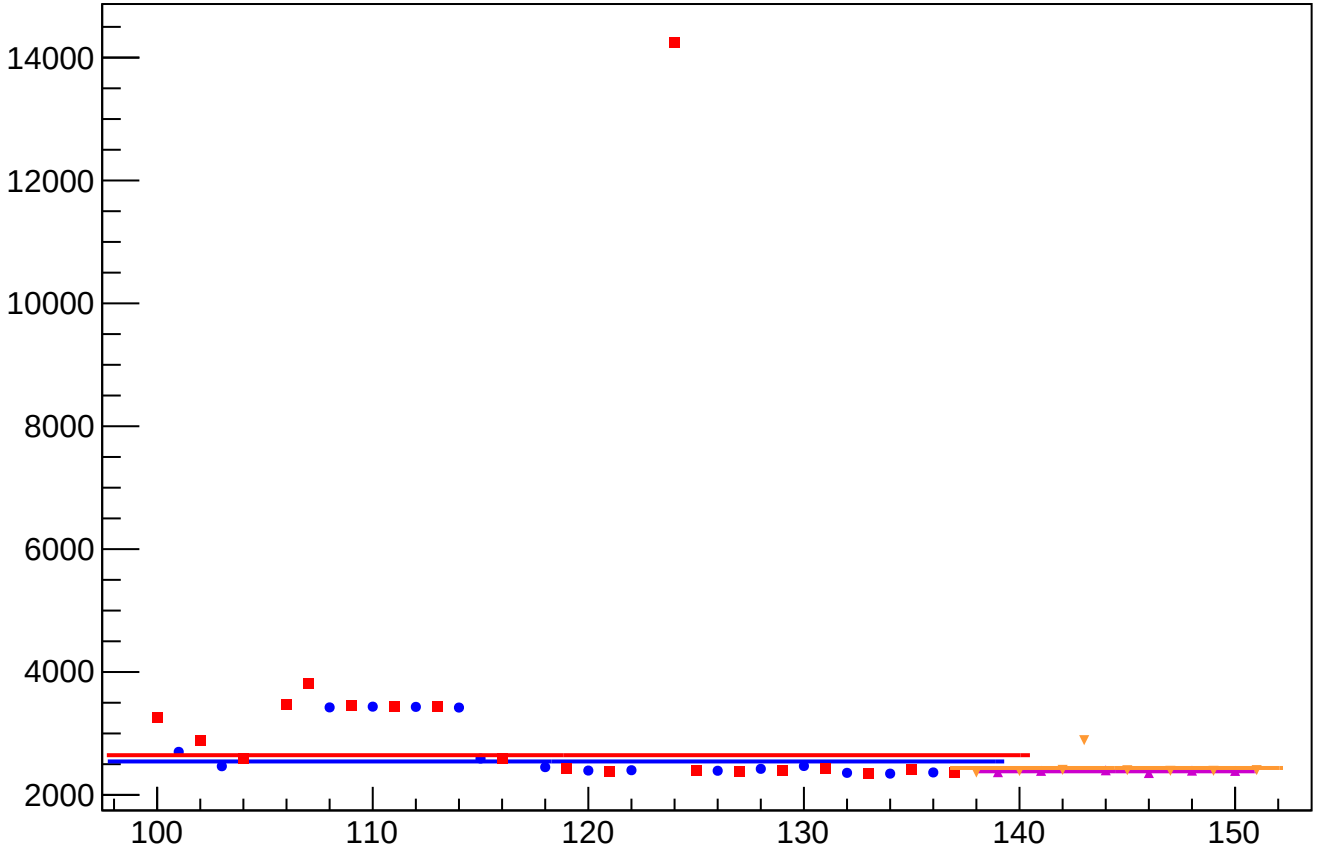
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1656.346+/-701.904 χ^2/NDF:18.4/21

Out: 1588.359+/-695.144 χ^2/NDF:30.2/26

All: 1622.023+/-493.914 χ^2/NDF: 48.7/48

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2438.148+/-0.694 χ^2/NDF:44411.5/7

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2384.111+/-0.734 χ^2/NDF:459.2/5

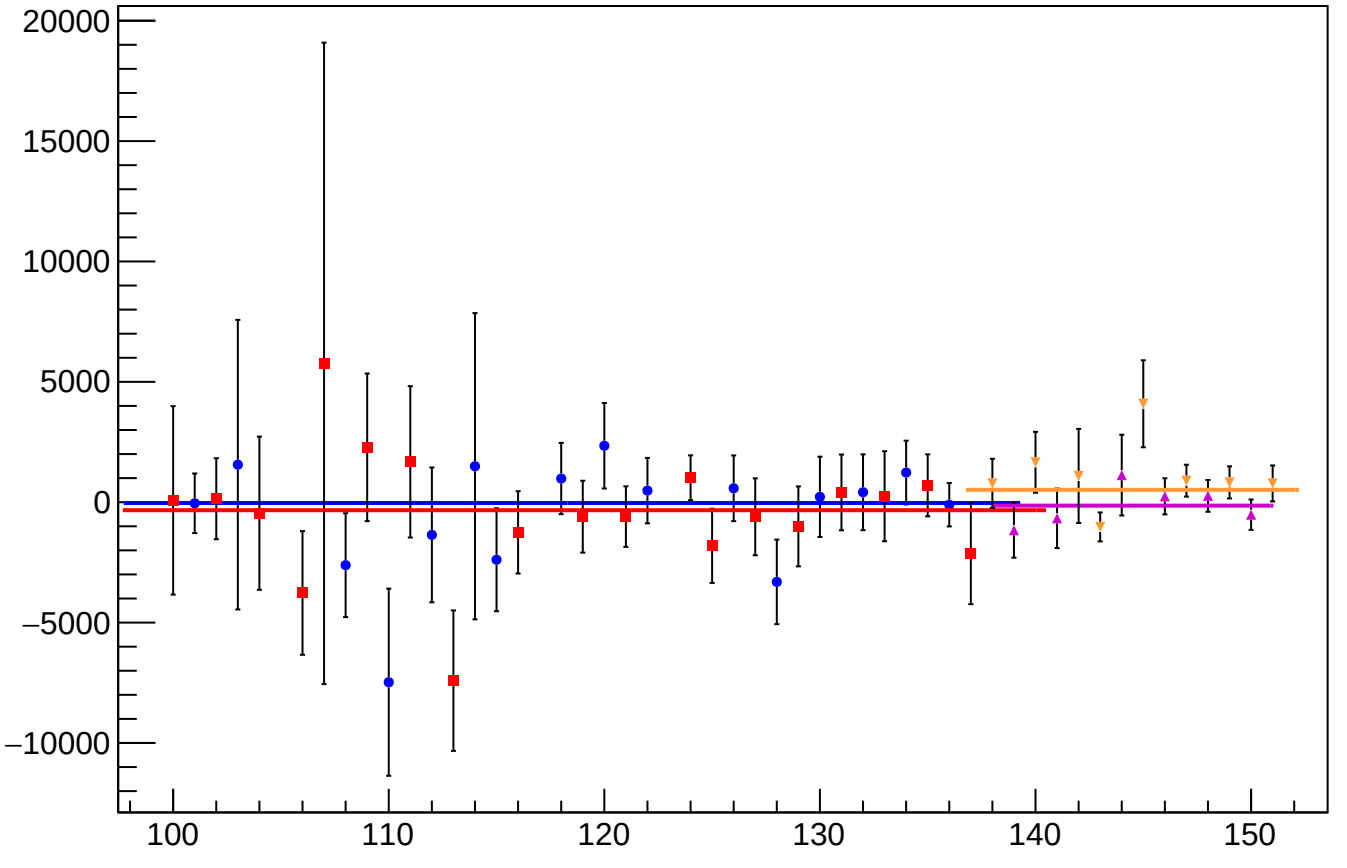
Left: 2412.668+/-0.504 χ^2/NDF: 47733.6/13

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2471.155+/-0.496 χ^2/NDF:251960.4/21

Out: 2541.683+/-0.492 χ^2/NDF:628746.7/26

All: 2506.760+/-0.349 χ^2/NDF: 890901.2/48



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 514.395+/-298.252 χ^2/NDF:12.1/7

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -142.112+/-346.124 χ^2/NDF:2.5/5

Left: 234.648+/-225.941 χ^2/NDF: 16.7/13

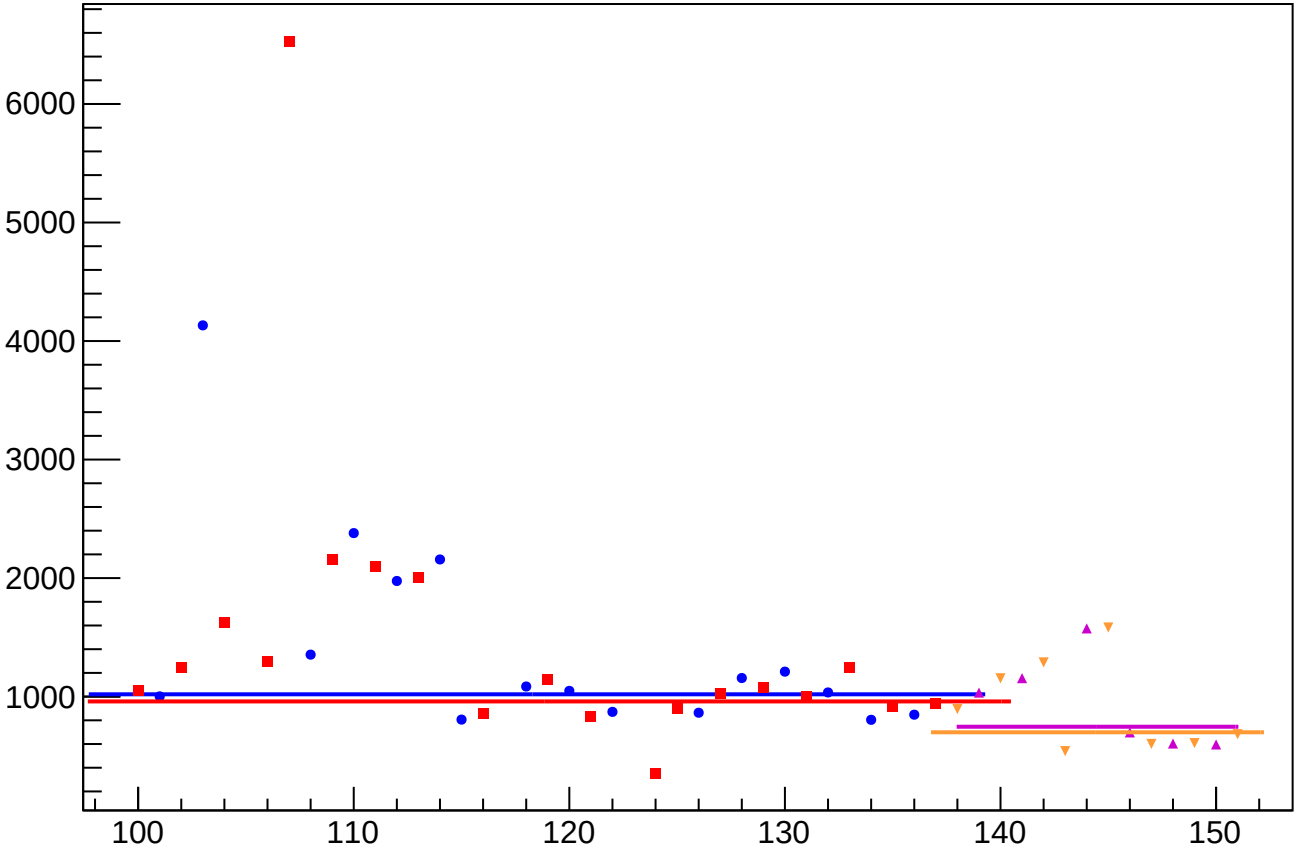
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -95.415+/-263.322 χ^2/NDF:16.4/21

Out: 211.334+/-238.960 χ^2/NDF:29.4/26

All: 72.803+/-176.958 χ^2/NDF: 46.5/48

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 699.058+/-0.211 χ^2/NDF:1215708.0/7

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 745.823+/-0.245 χ^2/NDF:1048217.1/5

Left: 718.985+/-0.160 χ^2/NDF: 2284877.5/13

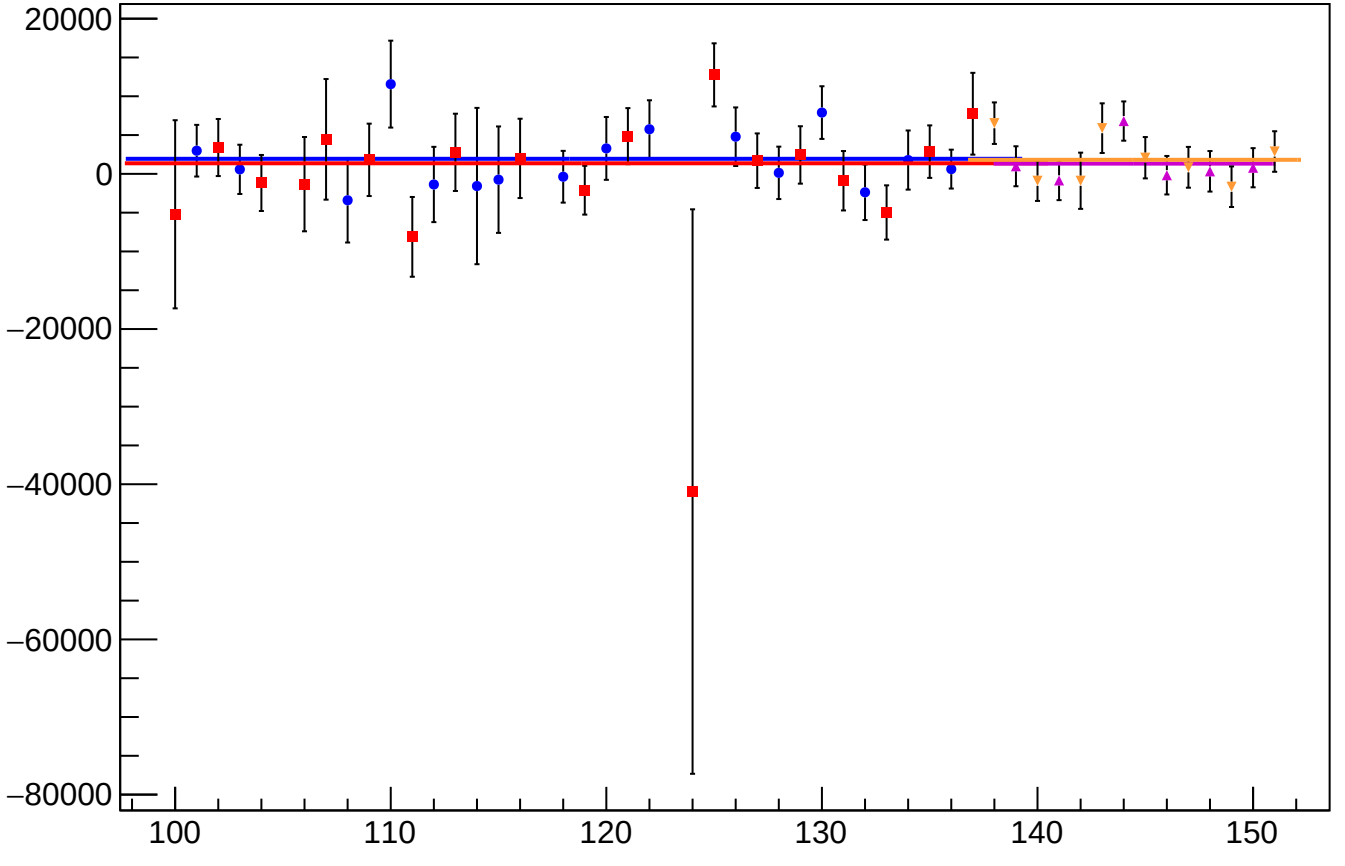
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 861.109+/-0.186 χ^2/NDF:2939703.6/21

Out: 792.261+/-0.169 χ^2/NDF:4105575.9/26

All: 823.353+/-0.125 χ^2/NDF: 7120256.9/48

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1811.502+/-980.759 χ^2/NDF:8.4/7

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1319.321+/-1038.281 χ^2/NDF:6.0/5

Left: 1579.422+/-712.970 χ^2/NDF: 14.6/13

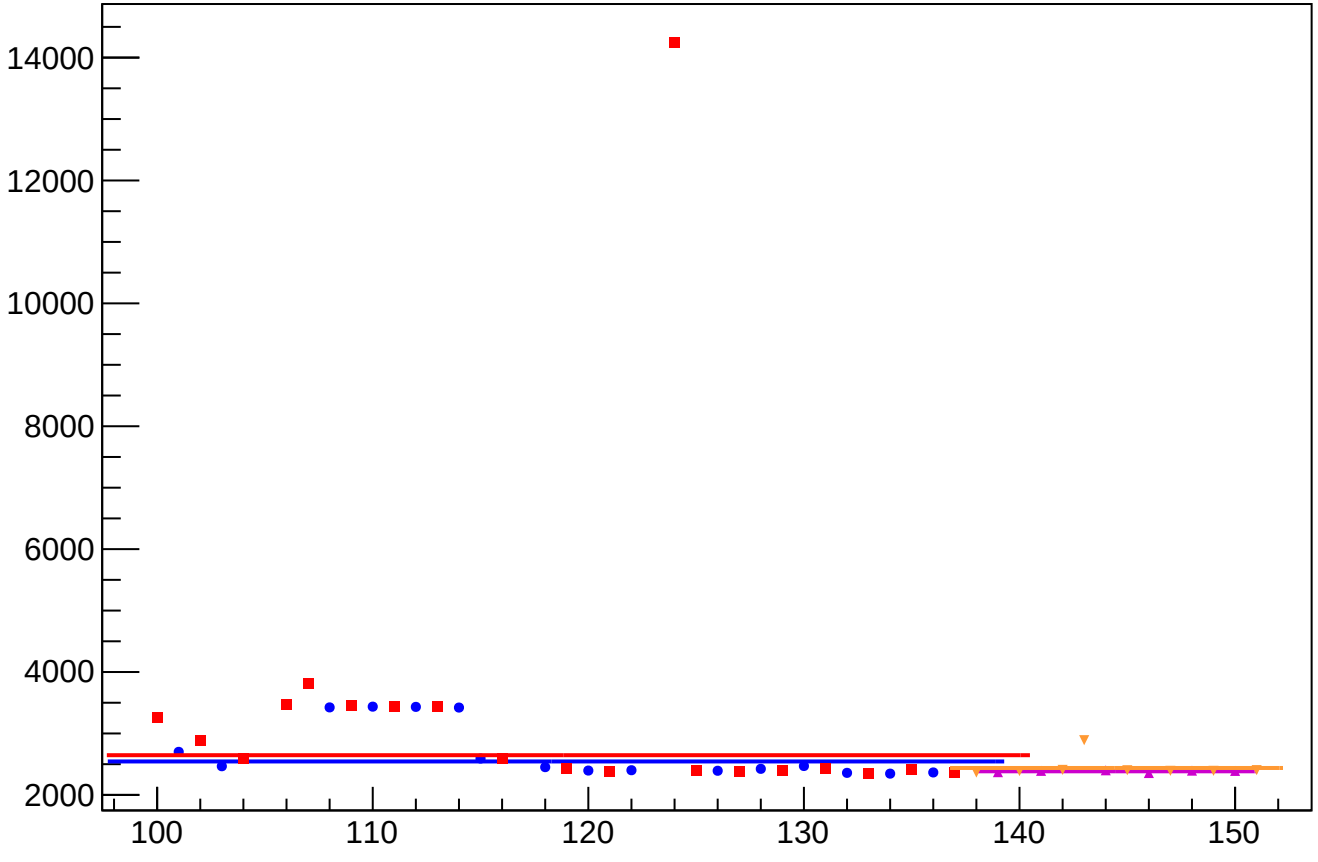
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1656.346+/-701.904 χ^2/NDF:18.4/21

Out: 1588.359+/-695.144 χ^2/NDF:30.2/26

All: 1622.023+/-493.914 χ^2/NDF: 48.7/48

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2438.148+/-0.694 χ^2/NDF:44411.5/7

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2384.111+/-0.734 χ^2/NDF:459.2/5

Left: 2412.668+/-0.504 χ^2/NDF: 47733.6/13

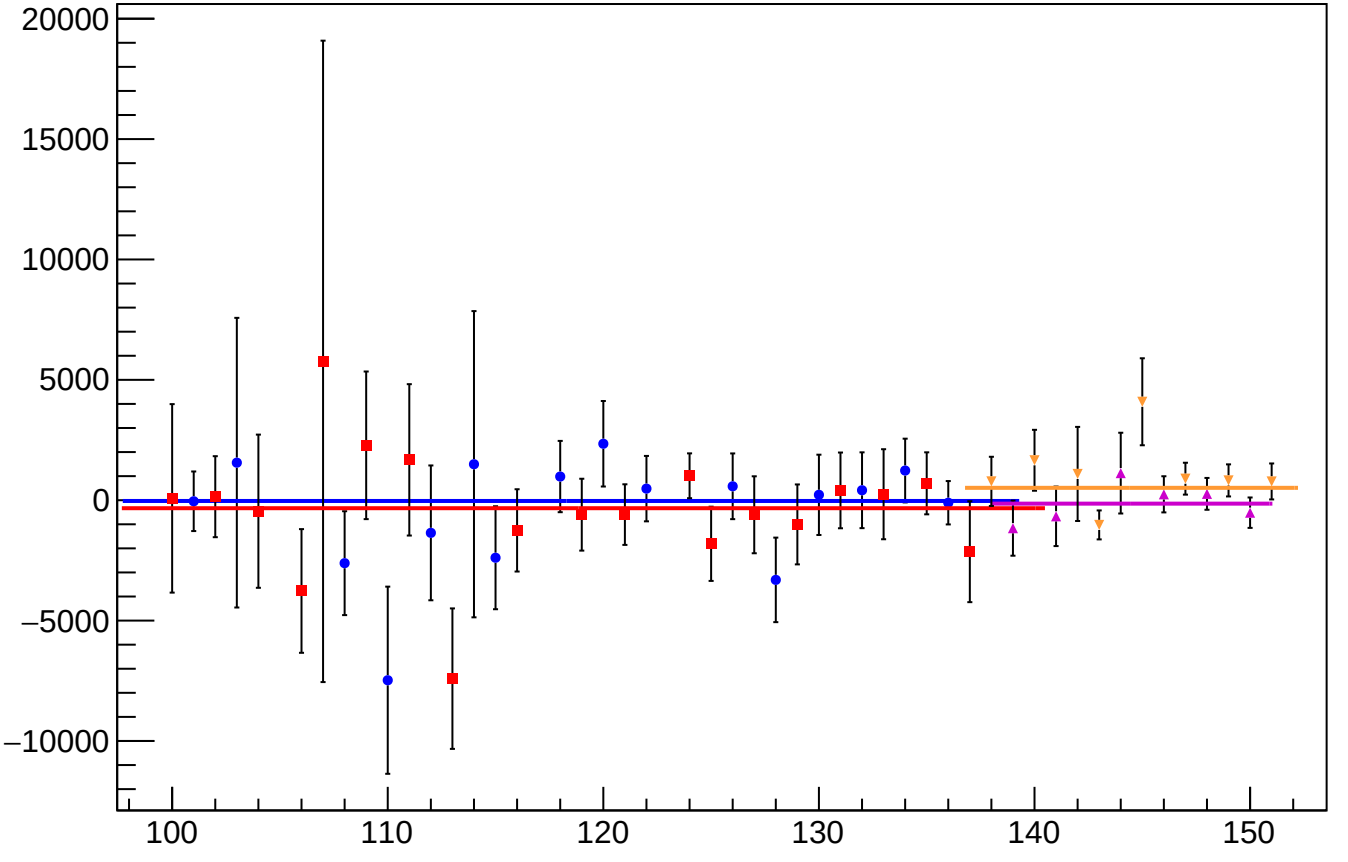
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2471.155+/-0.496 χ^2/NDF:251960.4/21

Out: 2541.683+/-0.492 χ^2/NDF:628746.7/26

All: 2506.760+/-0.349 χ^2/NDF: 890901.2/48

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 514.395+/-298.252 χ^2/NDF:12.1/7

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -142.112+/-346.124 χ^2/NDF:2.5/5

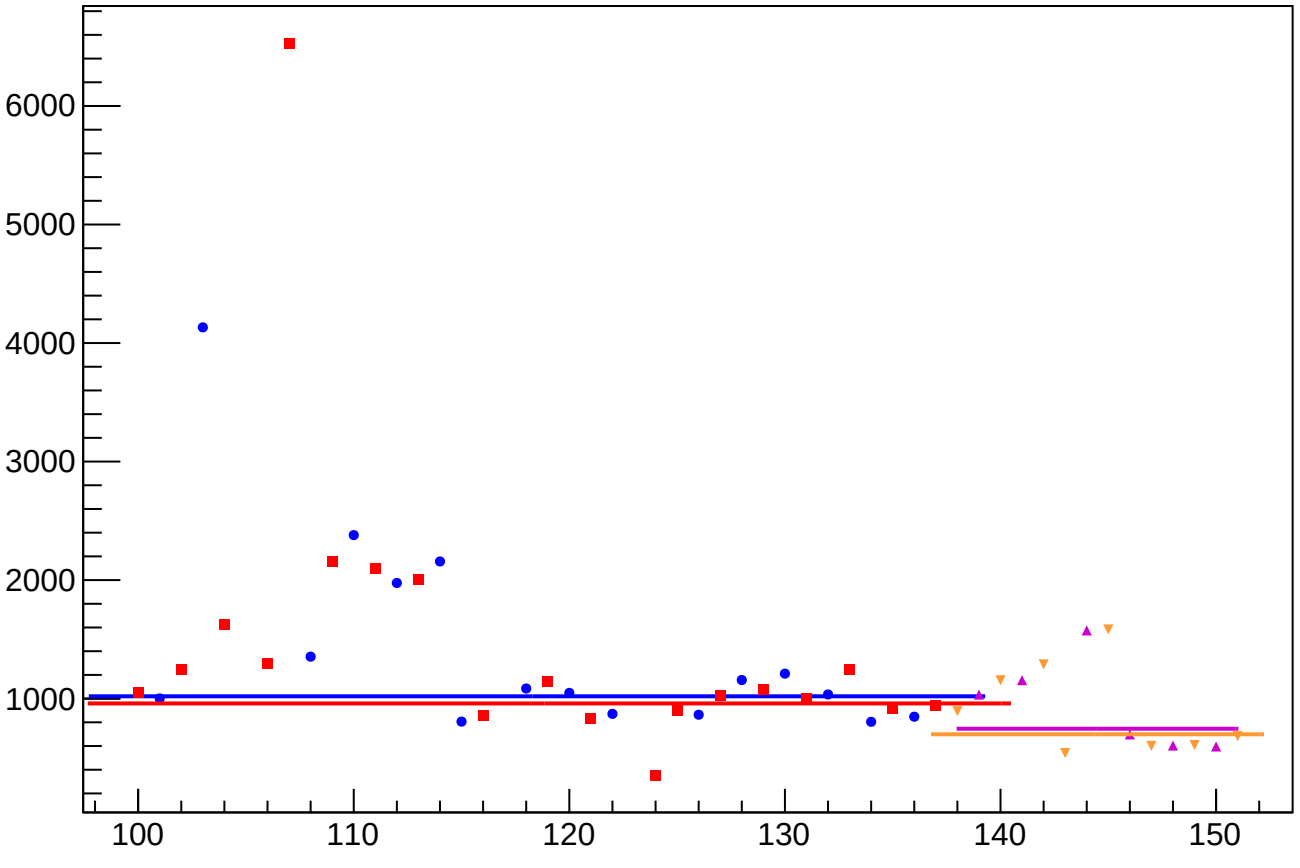
Left: 234.648+/-225.941 χ^2/NDF: 16.7/13

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -95.415+/-263.322 χ^2/NDF:16.4/21

Out: 211.334+/-238.960 χ^2/NDF:29.4/26

All: 72.803+/-176.958 χ^2/NDF: 46.5/48



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 699.058+/-0.211 χ^2/NDF:1215708.0/7

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 745.823+/-0.245 χ^2/NDF:1048217.1/5

Left: 718.985+/-0.160 χ^2/NDF: 2284877.5/13

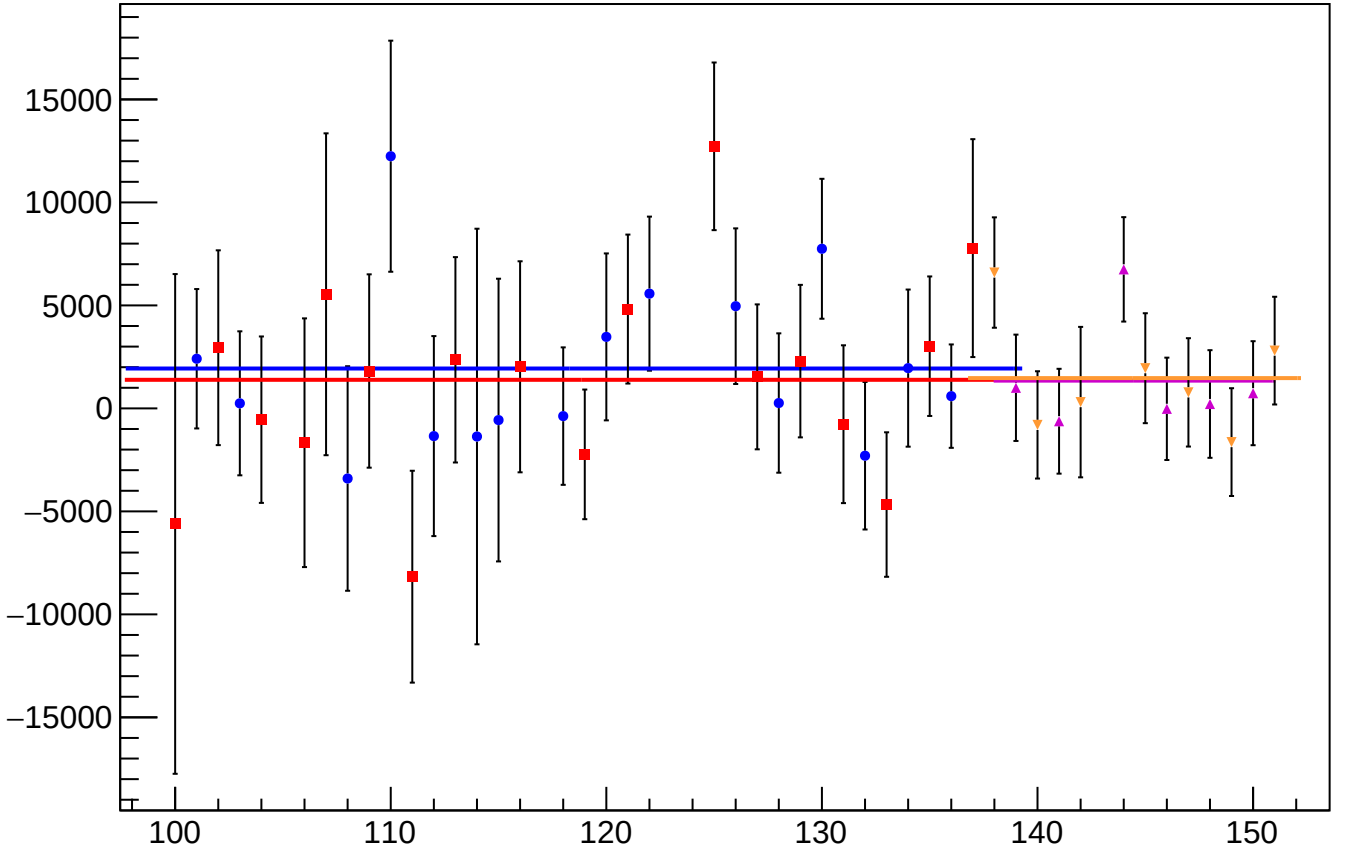
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 861.109+/-0.186 χ^2/NDF:2939703.6/21

Out: 792.261+/-0.169 χ^2/NDF:4105575.9/26

All: 823.353+/-0.125 χ^2/NDF: 7120256.9/48

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1470.441+/-1032.052 χ^2/NDF:6.3/6

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1348.366+/-1039.494 χ^2/NDF:5.7/5

Left: 1409.842+/-732.388 χ^2/NDF: 12.0/12

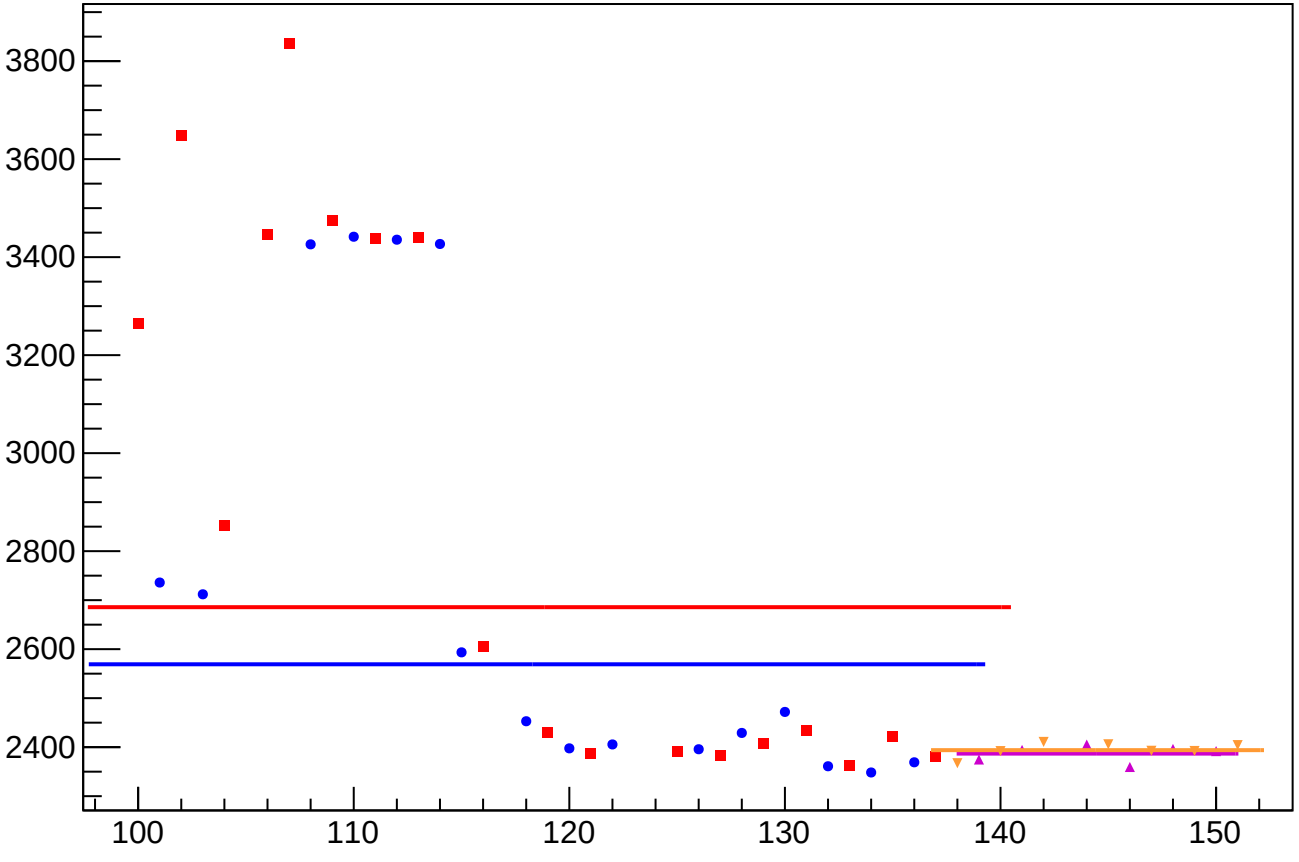
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1664.799+/-706.172 χ^2/NDF:18.2/21

Out: 1428.062+/-721.521 χ^2/NDF:26.1/24

All: 1548.975+/-504.678 χ^2/NDF: 44.3/46

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.903+/-0.730 χ^2/NDF:313.5/6

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2386.870+/-0.735 χ^2/NDF:442.5/5

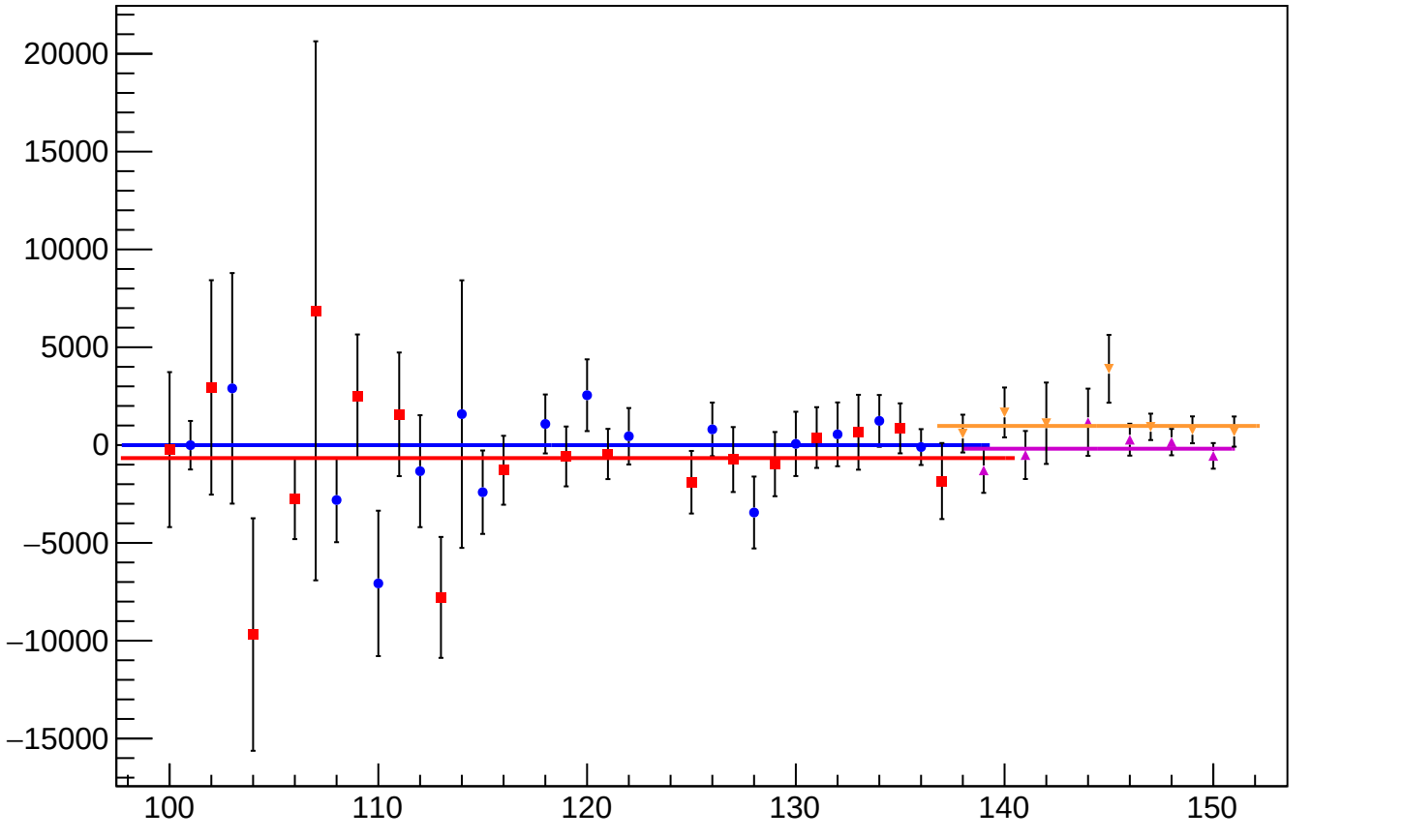
Left: 2390.412+/-0.518 χ^2/NDF: 802.1/12

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2485.016+/-0.499 χ^2/NDF:263039.4/21

Out: 2543.069+/-0.510 χ^2/NDF:501300.0/24

All: 2513.418+/-0.357 χ^2/NDF: 770952.3/46



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 977.437+/-348.281 χ^2/NDF:3.5/6

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -186.865+/-358.204 χ^2/NDF:2.5/5

Left: 411.636+/-249.706 χ^2/NDF: 11.5/12

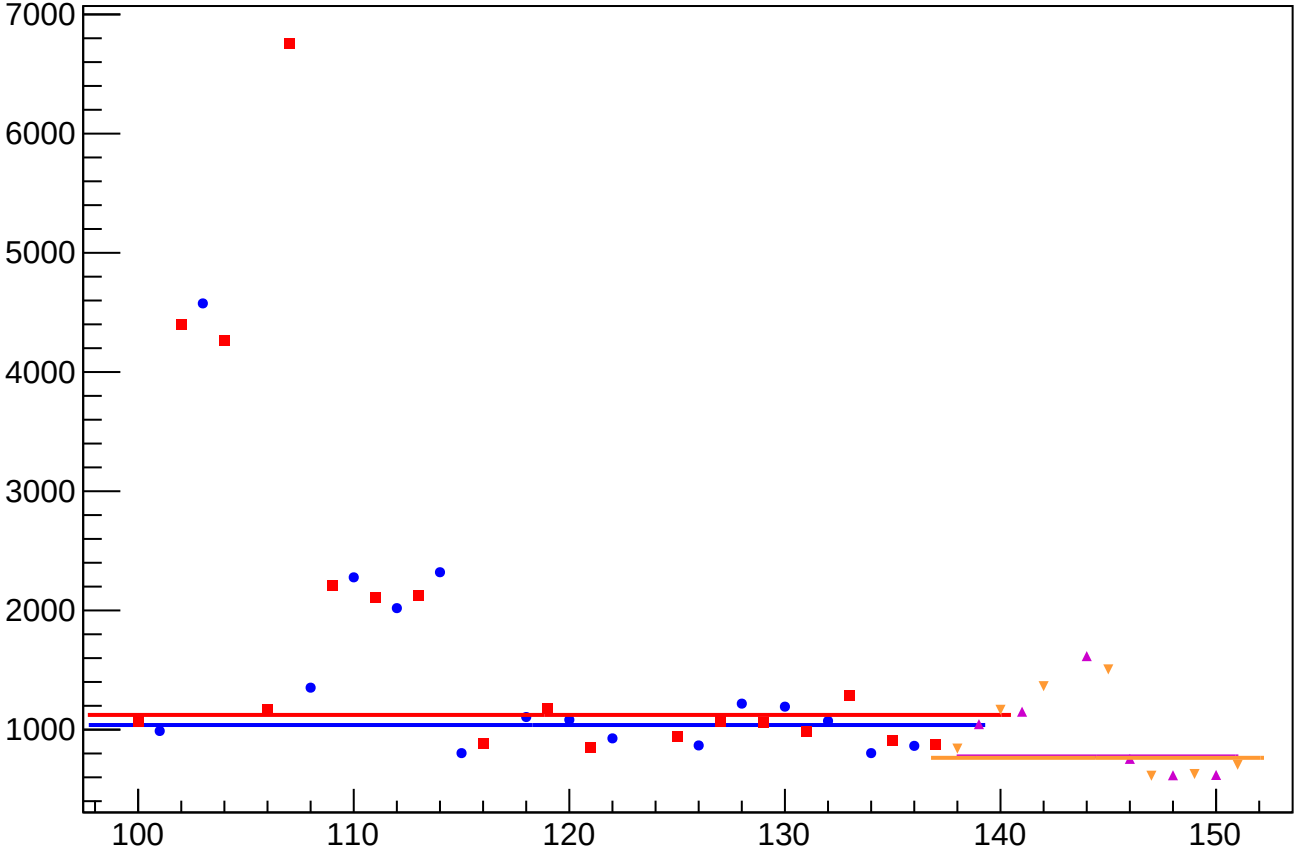
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -108.700+/-270.391 χ^2/NDF:17.1/21

Out: 379.477+/-277.784 χ^2/NDF:26.0/24

All: 128.806+/-193.756 χ^2/NDF: 44.7/46

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 763.662+/-0.246 χ^2/NDF:934302.6/6

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 775.260+/-0.253 χ^2/NDF:1001479.0/5

Left: 769.298+/-0.177 χ^2/NDF: 1936859.3/12

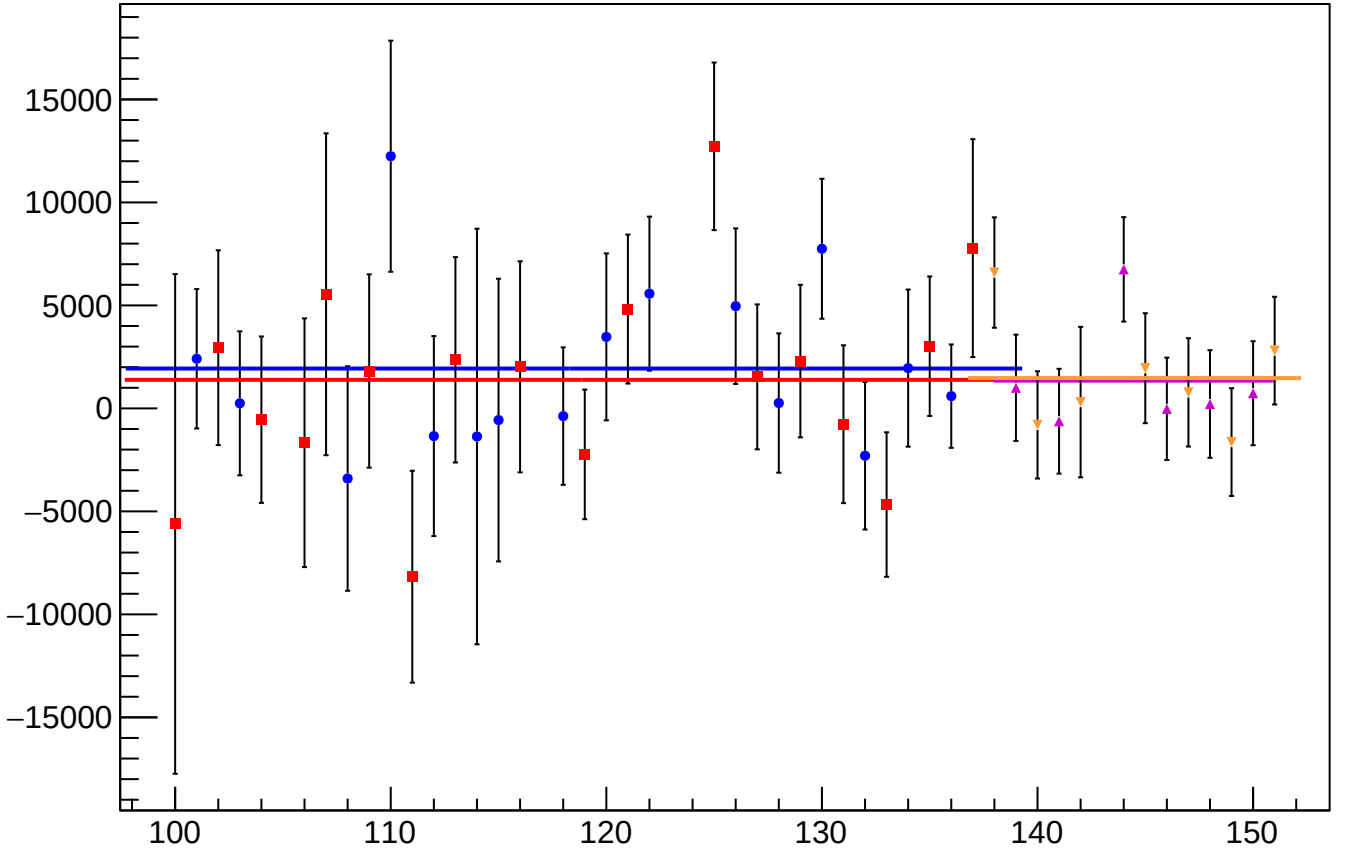
Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 888.636+/-0.191 χ^2/NDF:3006945.6/21

Out: 894.583+/-0.196 χ^2/NDF:4246512.7/24

All: 891.529+/-0.137 χ^2/NDF: 7253928.9/46

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1470.443+/-1032.052 χ^2/NDF:6.3/6

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1348.366+/-1039.494 χ^2/NDF:5.7/5

Left: 1409.843+/-732.388 χ^2/NDF: 12.0/12

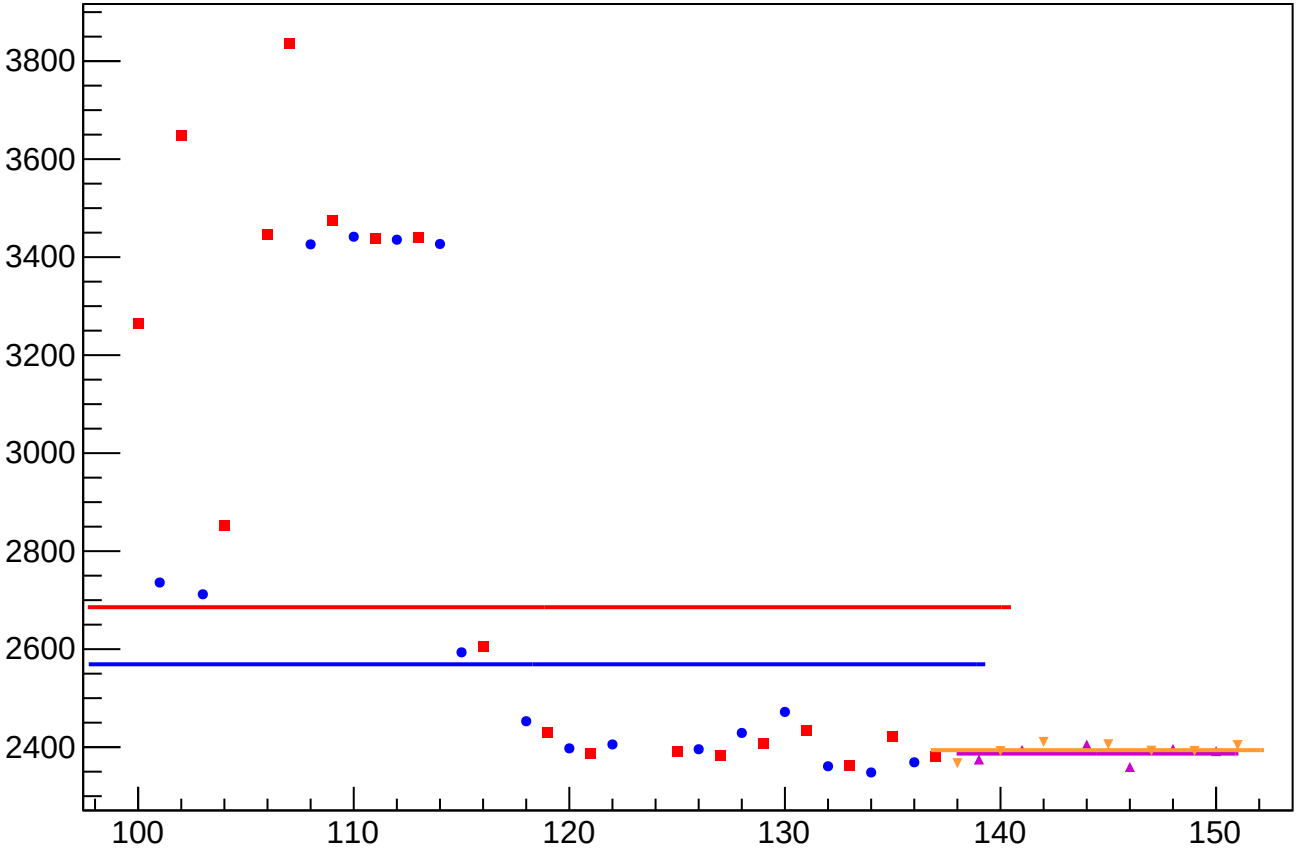
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1664.797+/-706.172 χ^2/NDF:18.2/21

Out: 1428.062+/-721.521 χ^2/NDF:26.1/24

All: 1548.974+/-504.678 χ^2/NDF: 44.3/46

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.903+/-0.730 χ^2/NDF:313.5/6

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2386.870+/-0.735 χ^2/NDF:442.5/5

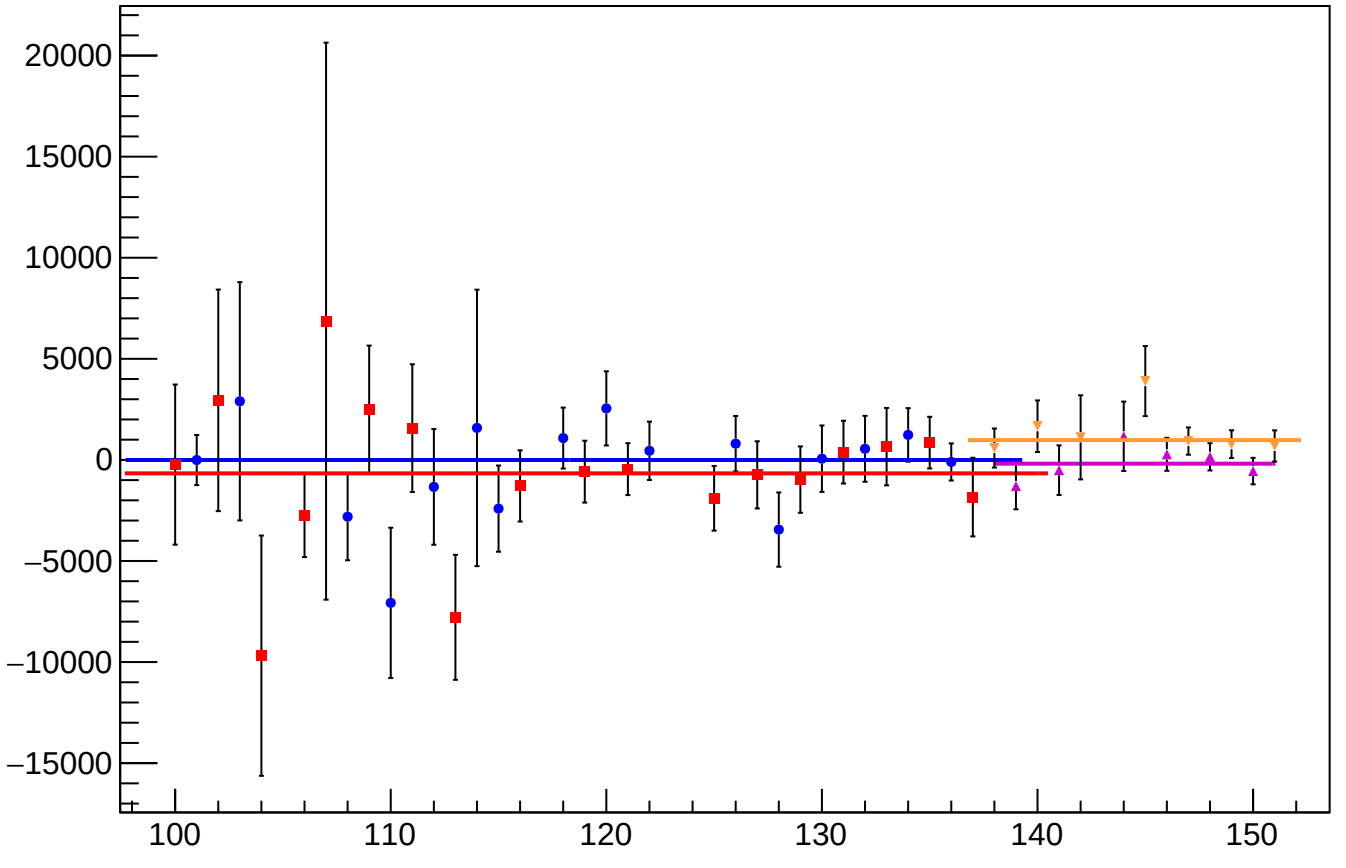
Left: 2390.412+/-0.518 χ^2/NDF: 802.1/12

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2485.015+/-0.499 χ^2/NDF:263039.1/21

Out: 2543.068+/-0.510 χ^2/NDF:501299.2/24

All: 2513.418+/-0.357 χ^2/NDF: 770951.1/46



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 977.437+/-348.282 χ^2/NDF:3.5/6

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -186.865+/-358.205 χ^2/NDF:2.5/5

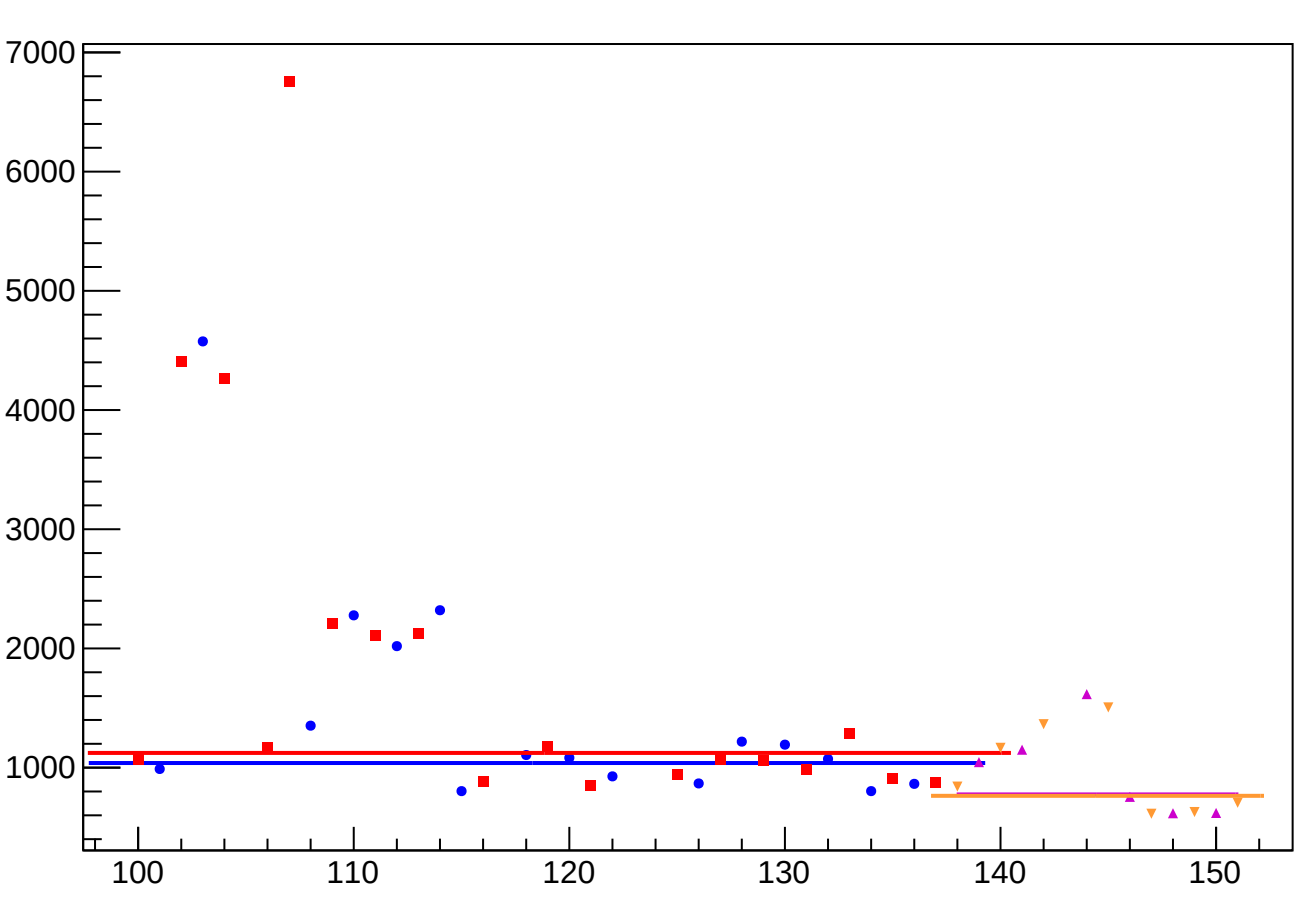
Left: 411.636+/-249.707 χ^2/NDF: 11.5/12

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -108.701+/-270.391 χ^2/NDF:17.1/21

Out: 379.476+/-277.784 χ^2/NDF:26.0/24

All: 128.805+/-193.757 χ^2/NDF: 44.7/46



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 763.663+/-0.246 χ^2/NDF:934300.0/6

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 775.262+/-0.253 χ^2/NDF:1001476.5/5

Left: 769.300+/-0.177 χ^2/NDF: 1936854.4/12

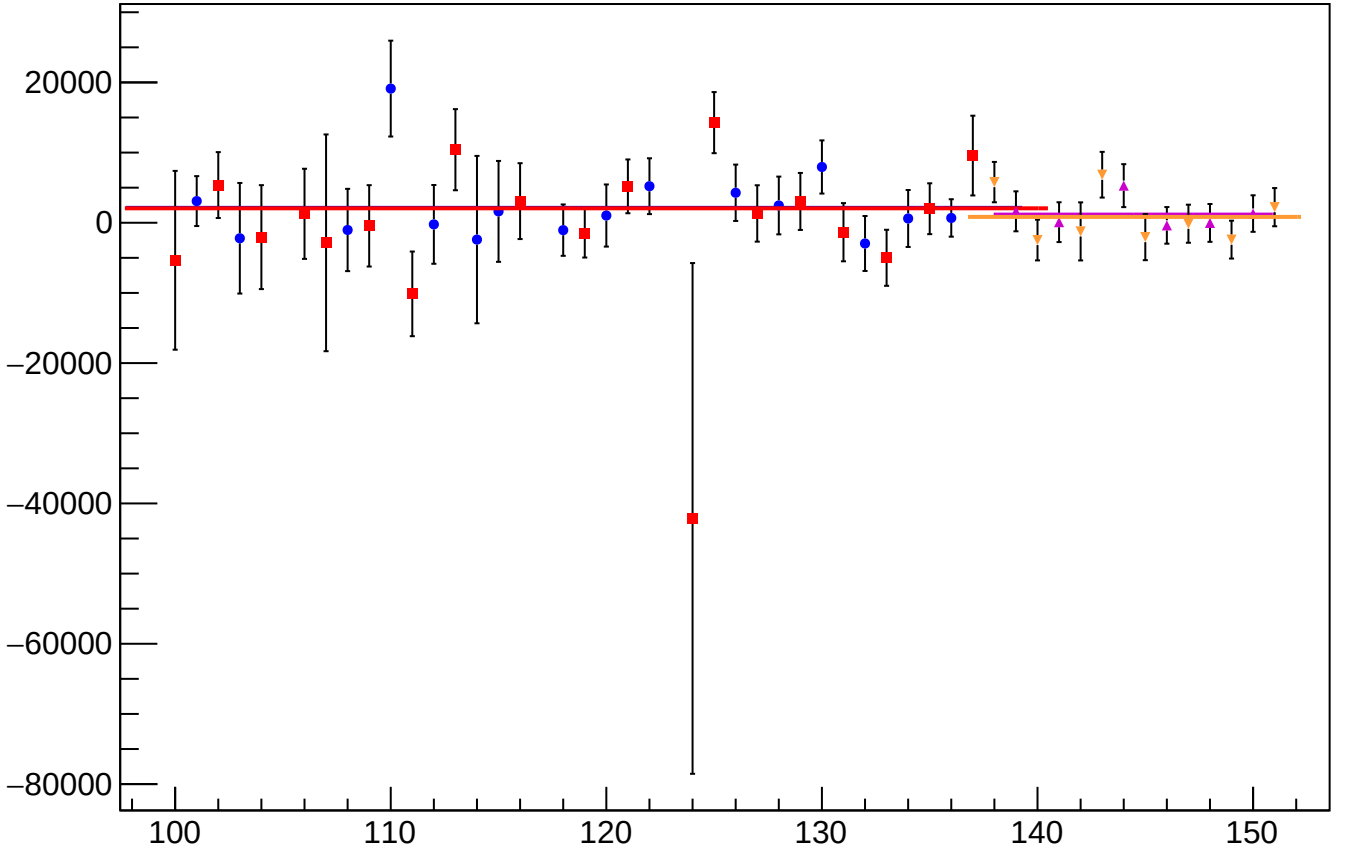
Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 888.637+/-0.191 χ^2/NDF:3006933.2/21

Out: 894.584+/-0.196 χ^2/NDF:4246502.7/24

All: 891.530+/-0.137 χ^2/NDF: 7253906.6/46

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 834.038+/-1058.493 χ^2/NDF:10.5/7

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1159.742+/-1127.930 χ^2/NDF:2.5/5

Left: 986.557+/-771.848 χ^2/NDF: 13.1/13

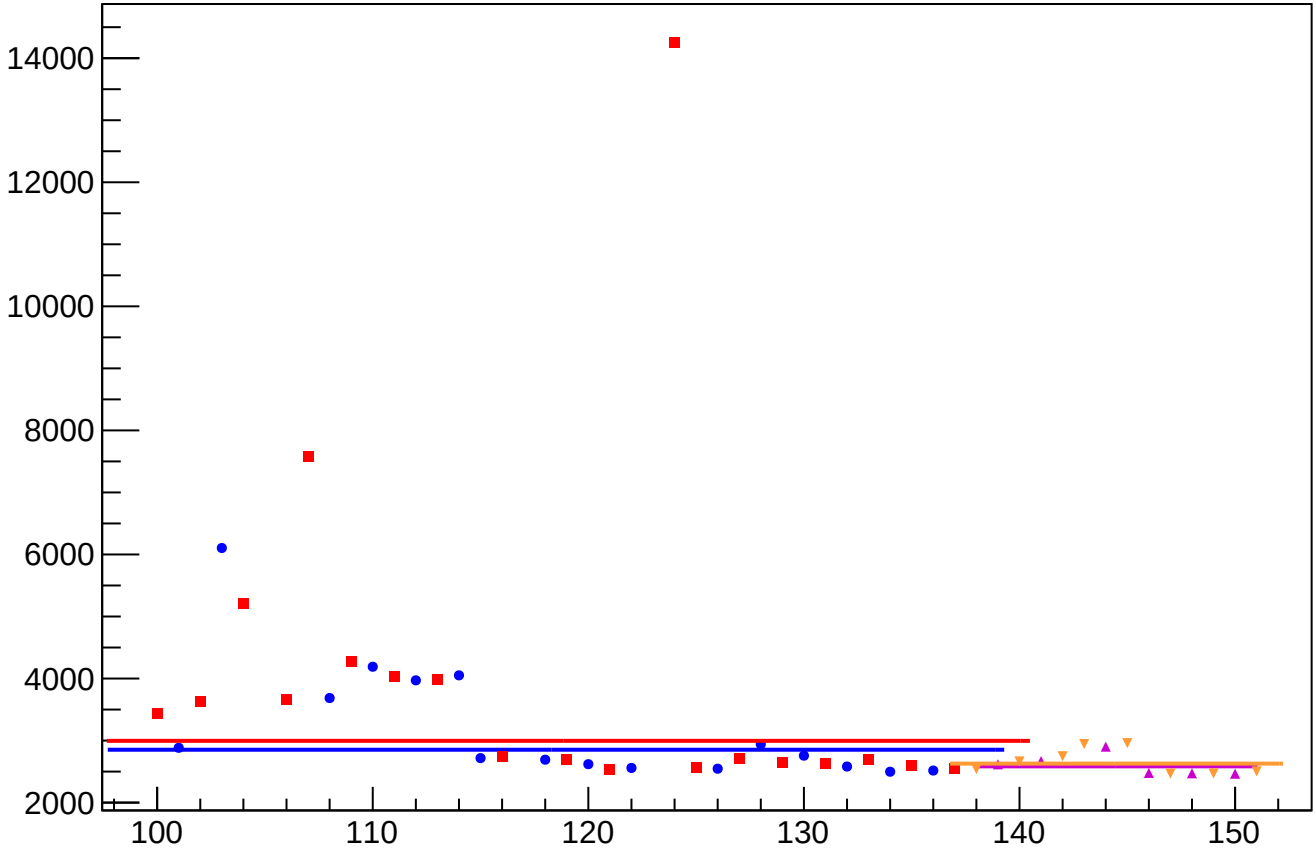
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1659.660+/-781.835 χ^2/NDF:16.3/21

Out: 1403.220+/-774.675 χ^2/NDF:35.4/26

All: 1530.260+/-550.292 χ^2/NDF: 51.8/48

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2628.443+/-0.748 χ^2/NDF:60969.5/7

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2584.643+/-0.798 χ^2/NDF:34455.8/5

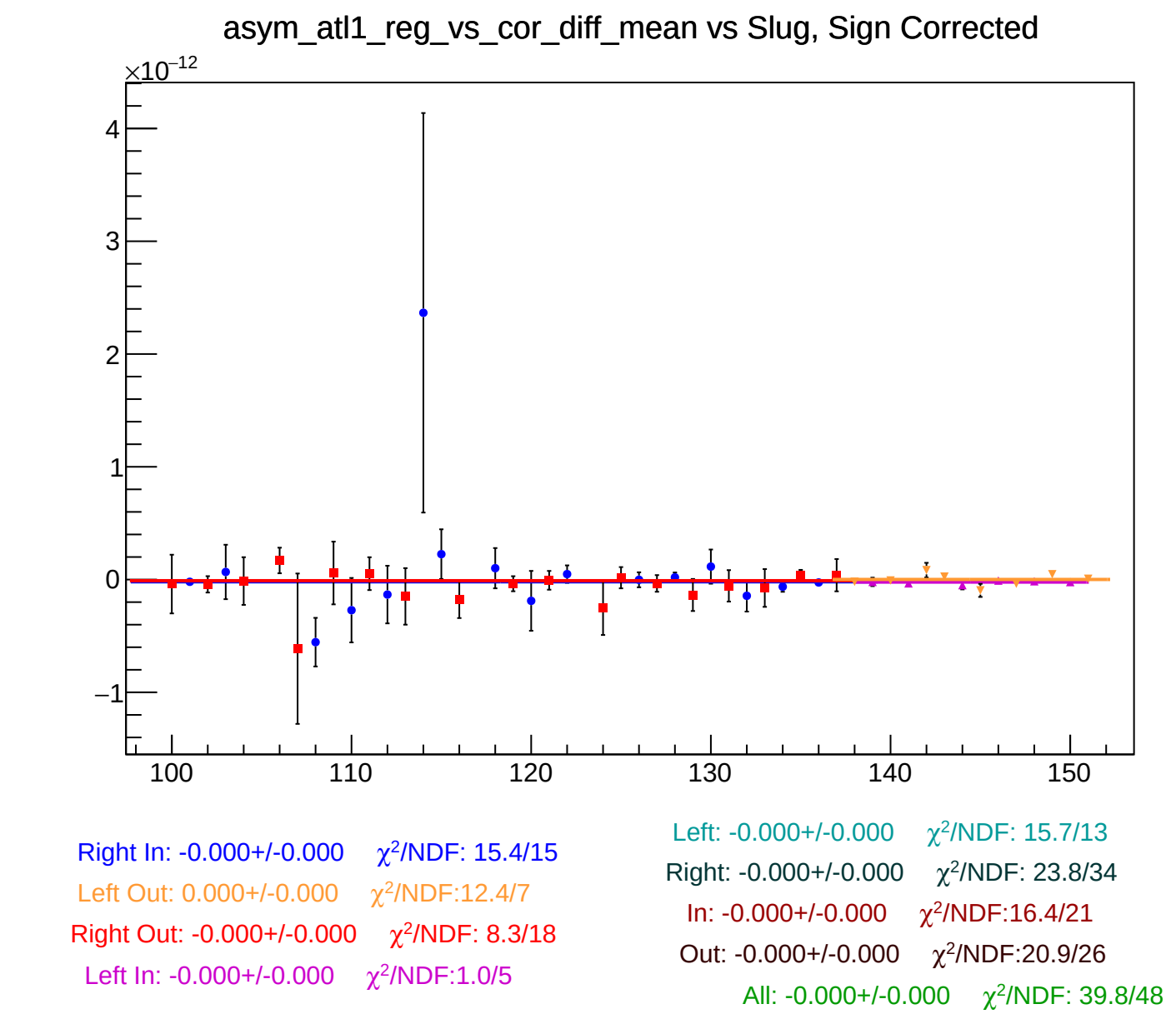
Left: 2607.933+/-0.546 χ^2/NDF: 97028.9/13

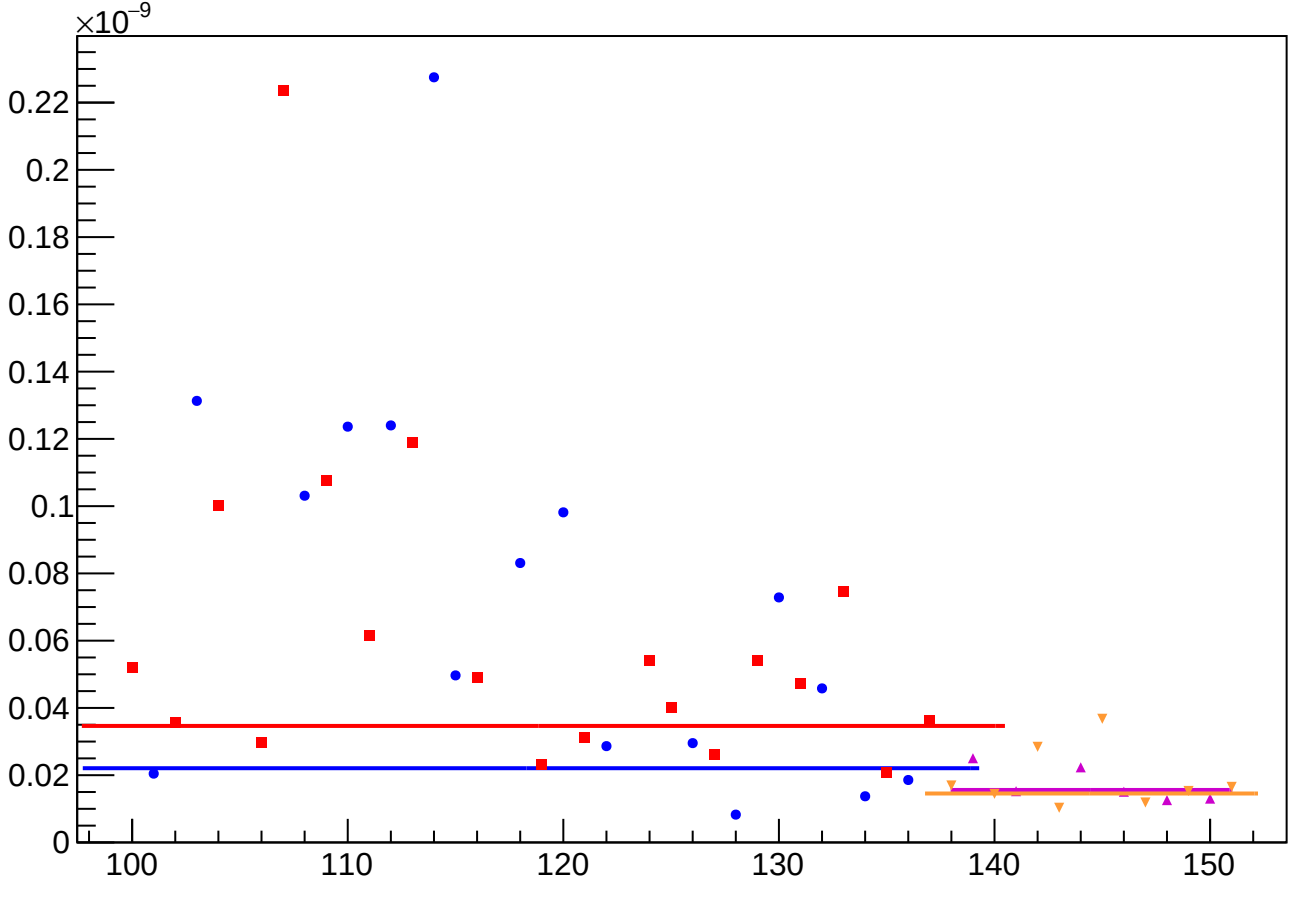
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2723.650+/-0.553 χ^2/NDF:741640.4/21

Out: 2798.906+/-0.548 χ^2/NDF:1151836.5/26

All: 2761.624+/-0.389 χ^2/NDF: 1902827.2/48


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:12.4/7
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:1.0/5
Left: -0.000+/-0.000 χ²/NDF: 15.7/13
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:16.4/21
Out: -0.000+/-0.000 χ²/NDF:20.9/26
All: -0.000+/-0.000 χ²/NDF: 39.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:538724.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:247199.8/5

Left: 0.000+/-0.000 χ^2/NDF: 795714.2/13

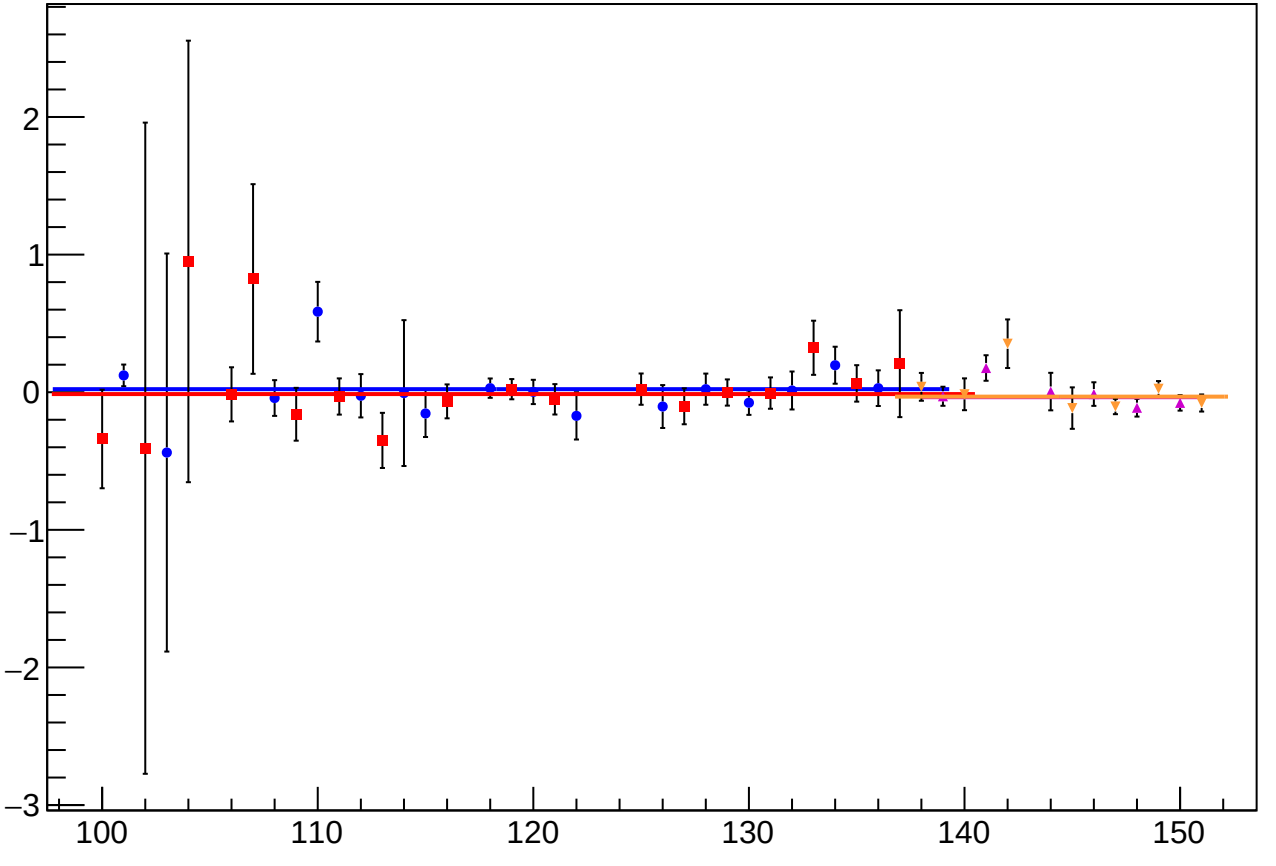
Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2786956.7/21

Out: 0.000+/-0.000 χ^2/NDF:2951851.0/26

All: 0.000+/-0.000 χ^2/NDF: 5740324.5/48

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.036+/-0.031 χ^2/NDF:7.3/5

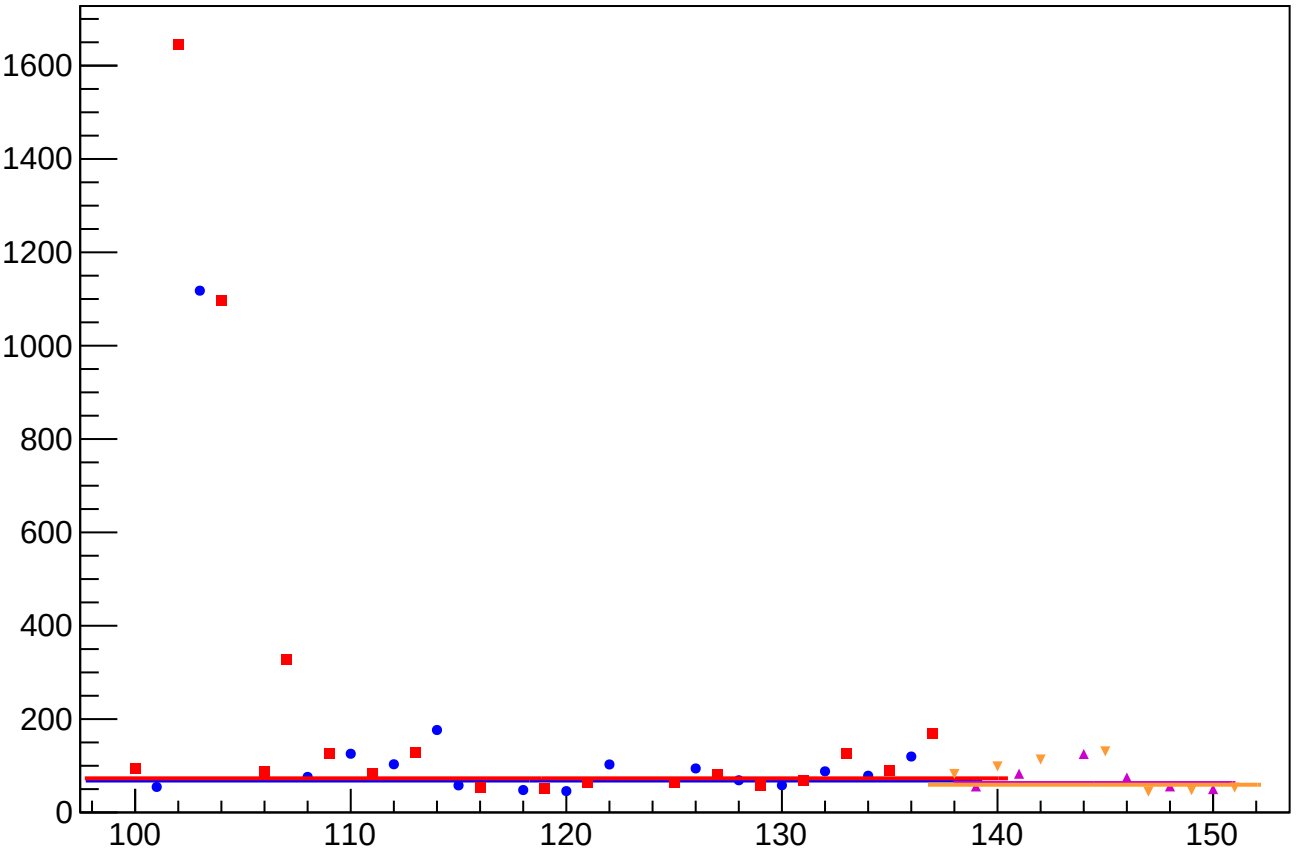
Left: -0.034+/-0.021 χ^2/NDF: 16.2/12

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.007+/-0.021 χ^2/NDF:24.0/21

Out: -0.024+/-0.022 χ^2/NDF:19.8/24

All: -0.015+/-0.015 χ^2/NDF: 44.1/46



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 59.404+/-0.021 χ^2/NDF:1216099.0/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 63.008+/-0.022 χ^2/NDF:700067.9/5

Left: 61.141+/-0.015 χ^2/NDF: 1930566.3/12

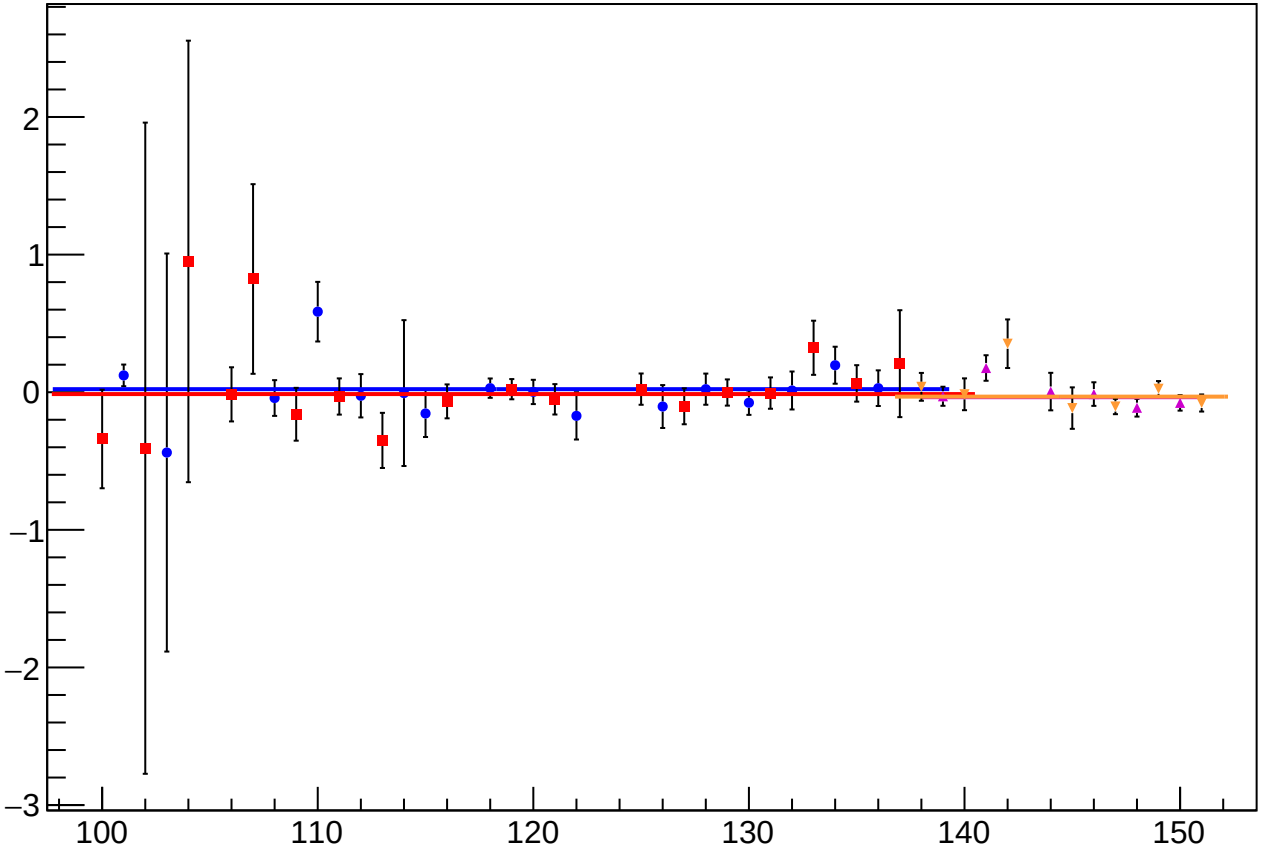
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 65.757+/-0.015 χ^2/NDF:3010028.3/21

Out: 65.376+/-0.016 χ^2/NDF:4316964.1/24

All: 65.572+/-0.011 χ^2/NDF: 7327297.8/46

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.036+/-0.031 χ^2/NDF:7.3/5

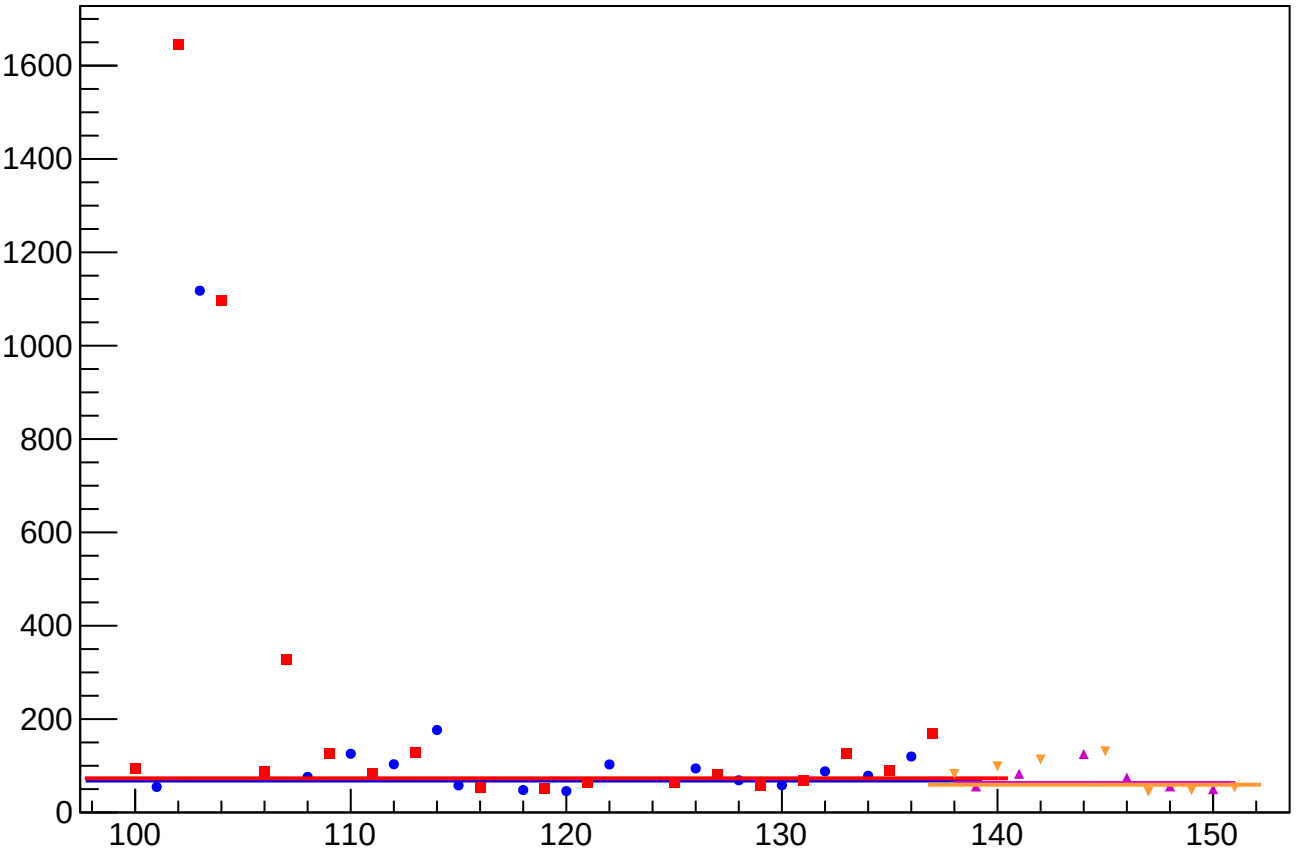
Left: -0.034+/-0.021 χ^2/NDF: 16.2/12

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.007+/-0.021 χ^2/NDF:24.0/21

Out: -0.024+/-0.022 χ^2/NDF:19.8/24

All: -0.015+/-0.015 χ^2/NDF: 44.1/46



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 59.404+/-0.021 χ^2/NDF:1216099.0/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 63.008+/-0.022 χ^2/NDF:700067.9/5

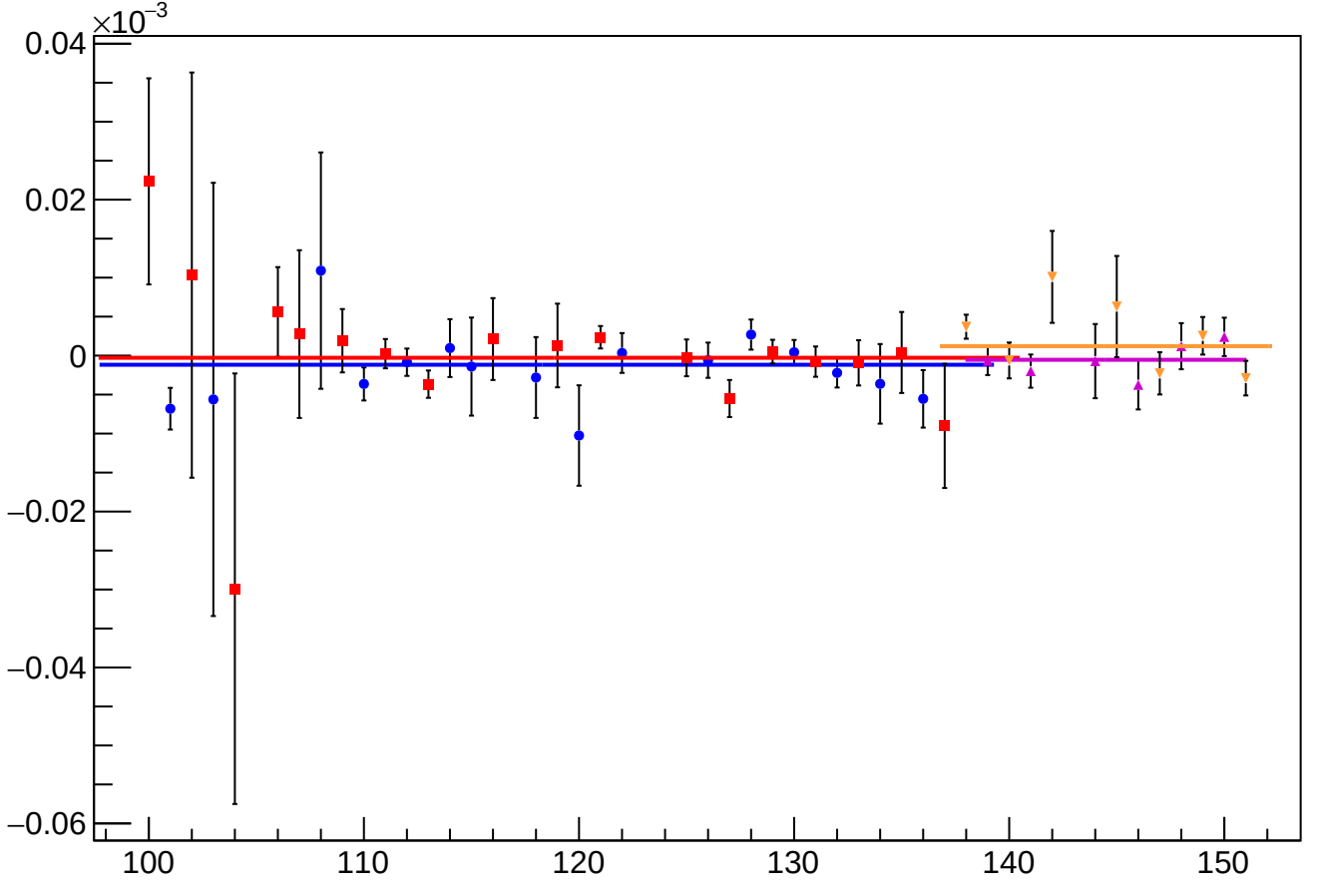
Left: 61.141+/-0.015 χ^2/NDF: 1930566.3/12

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 65.757+/-0.015 χ^2/NDF:3010028.3/21

Out: 65.376+/-0.016 χ^2/NDF:4316964.1/24

All: 65.572+/-0.011 χ^2/NDF: 7327297.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:3.3/5

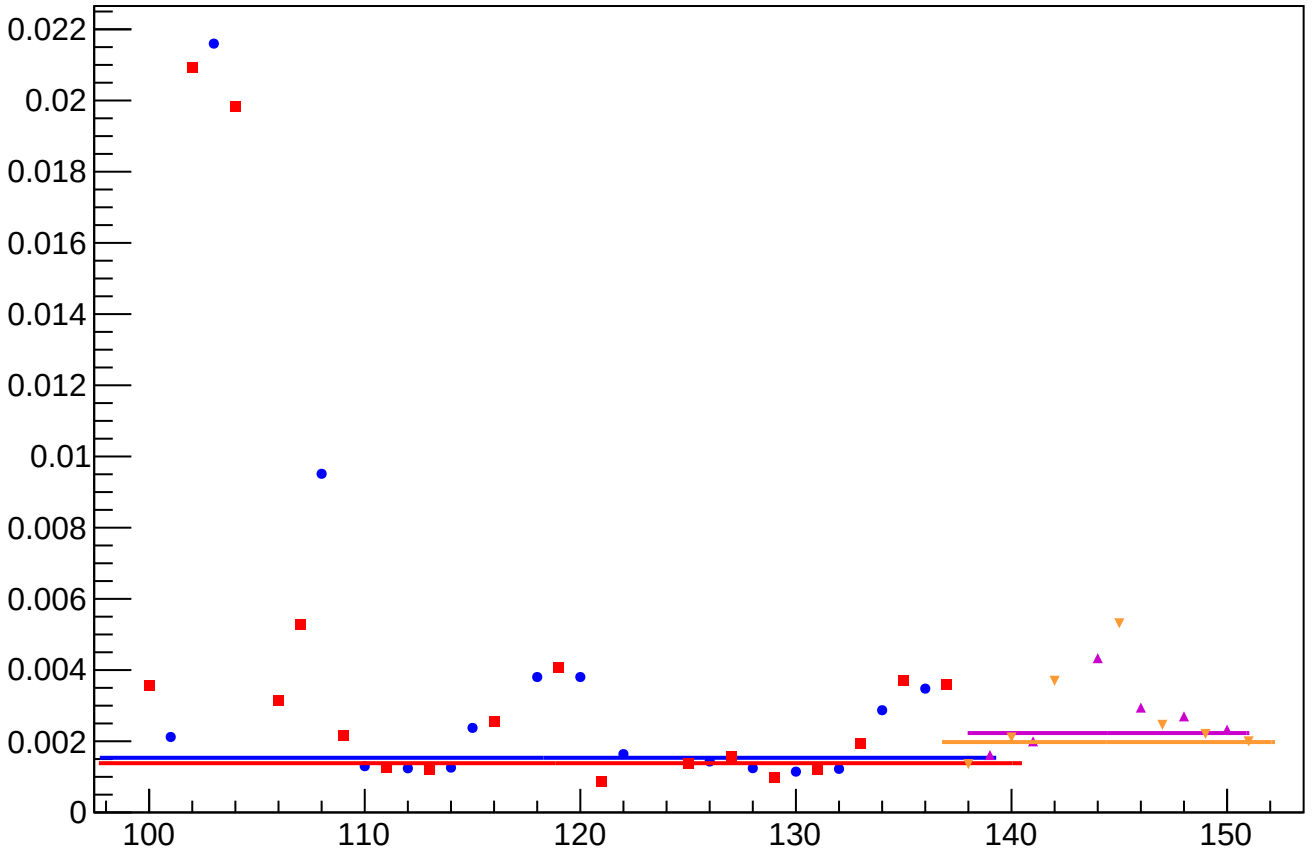
Left: 0.000+/-0.000 χ^2/NDF: 16.4/12

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:19.8/21

Out: 0.000+/-0.000 χ^2/NDF:32.8/24

All: -0.000+/-0.000 χ^2/NDF: 55.1/46



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1111213.7/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:796508.0/5

Left: 0.002+/-0.000 χ^2/NDF: 1974604.8/12

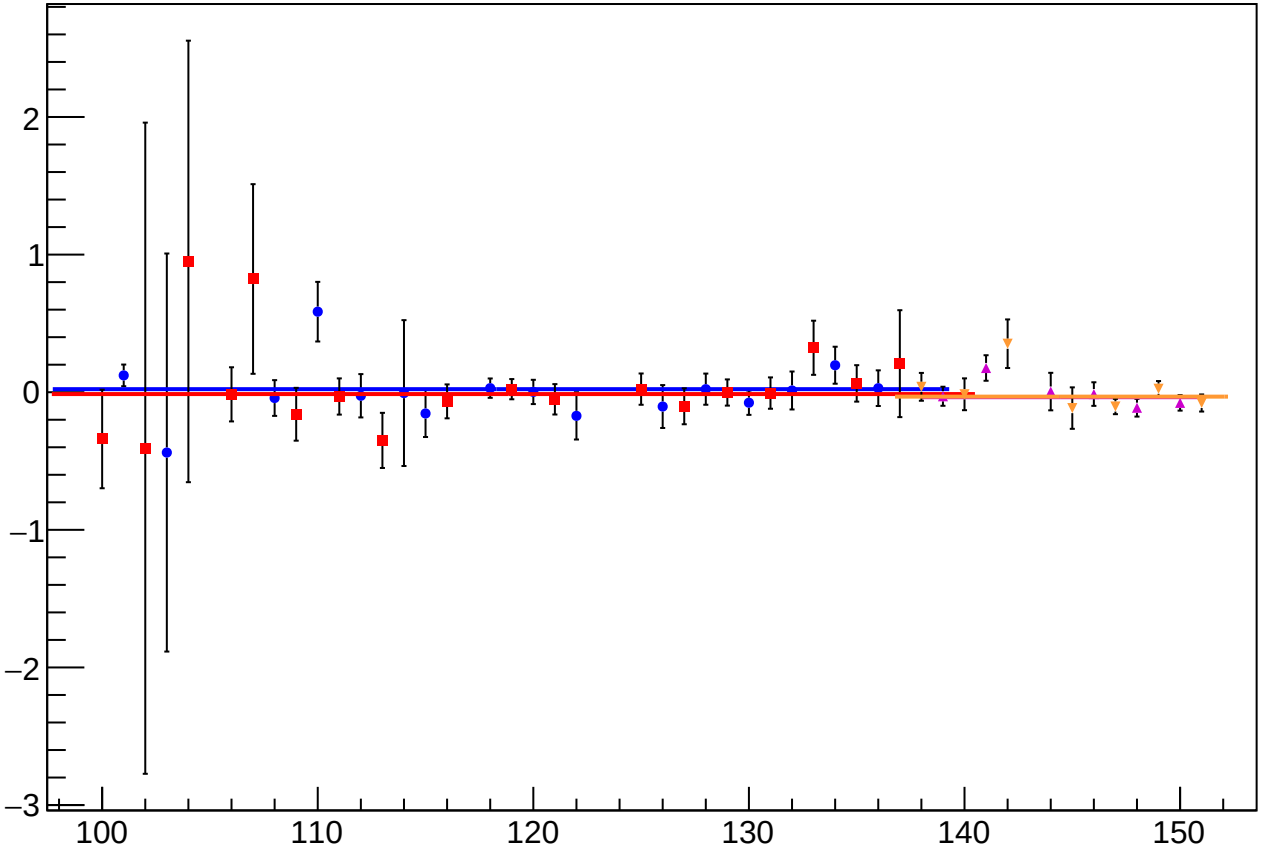
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:4812658.1/21

Out: 0.002+/-0.000 χ^2/NDF:5943179.7/24

All: 0.002+/-0.000 χ^2/NDF: 10850086.9/46

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.036+/-0.031 χ^2/NDF:7.3/5

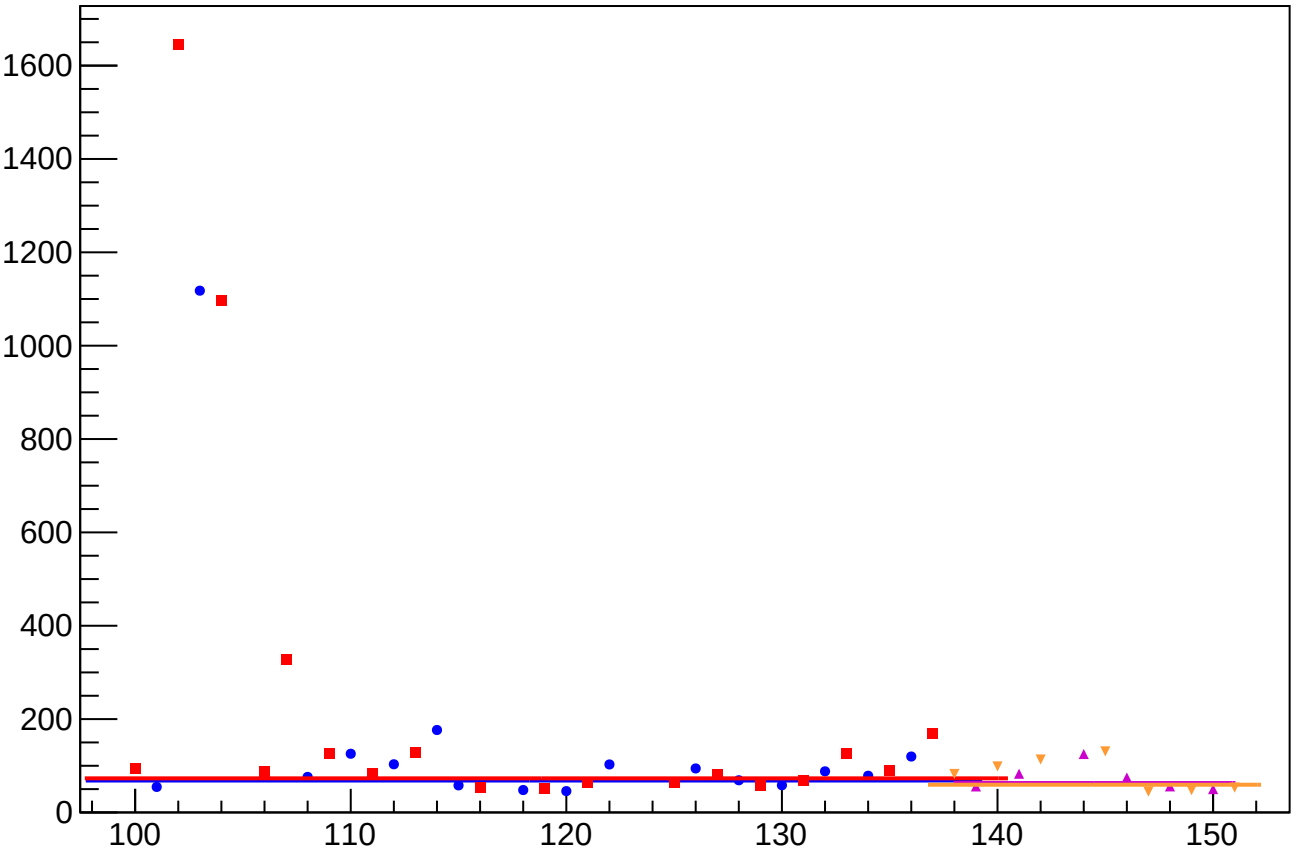
Left: -0.034+/-0.021 χ^2/NDF: 16.2/12

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.007+/-0.021 χ^2/NDF:24.0/21

Out: -0.024+/-0.022 χ^2/NDF:19.8/24

All: -0.015+/-0.015 χ^2/NDF: 44.1/46



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 59.405+/-0.021 χ^2/NDF:1216019.2/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 63.008+/-0.022 χ^2/NDF:700074.6/5

Left: 61.142+/-0.015 χ^2/NDF: 1930482.5/12

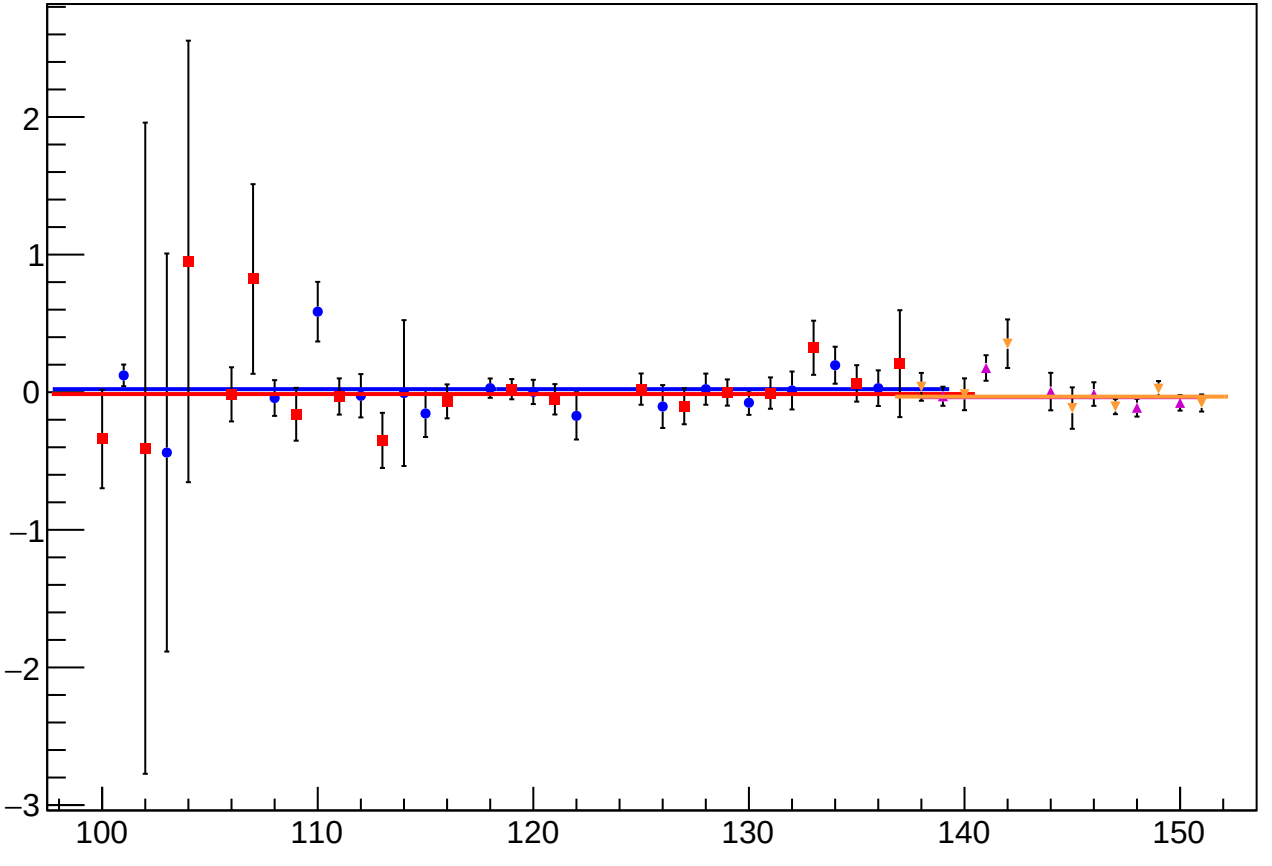
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 65.756+/-0.015 χ^2/NDF:3010110.6/21

Out: 65.376+/-0.016 χ^2/NDF:4316851.1/24

All: 65.572+/-0.011 χ^2/NDF: 7327265.4/46

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: -0.032+/-0.029 χ^2/NDF:8.8/6

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.036+/-0.031 χ^2/NDF:7.3/5

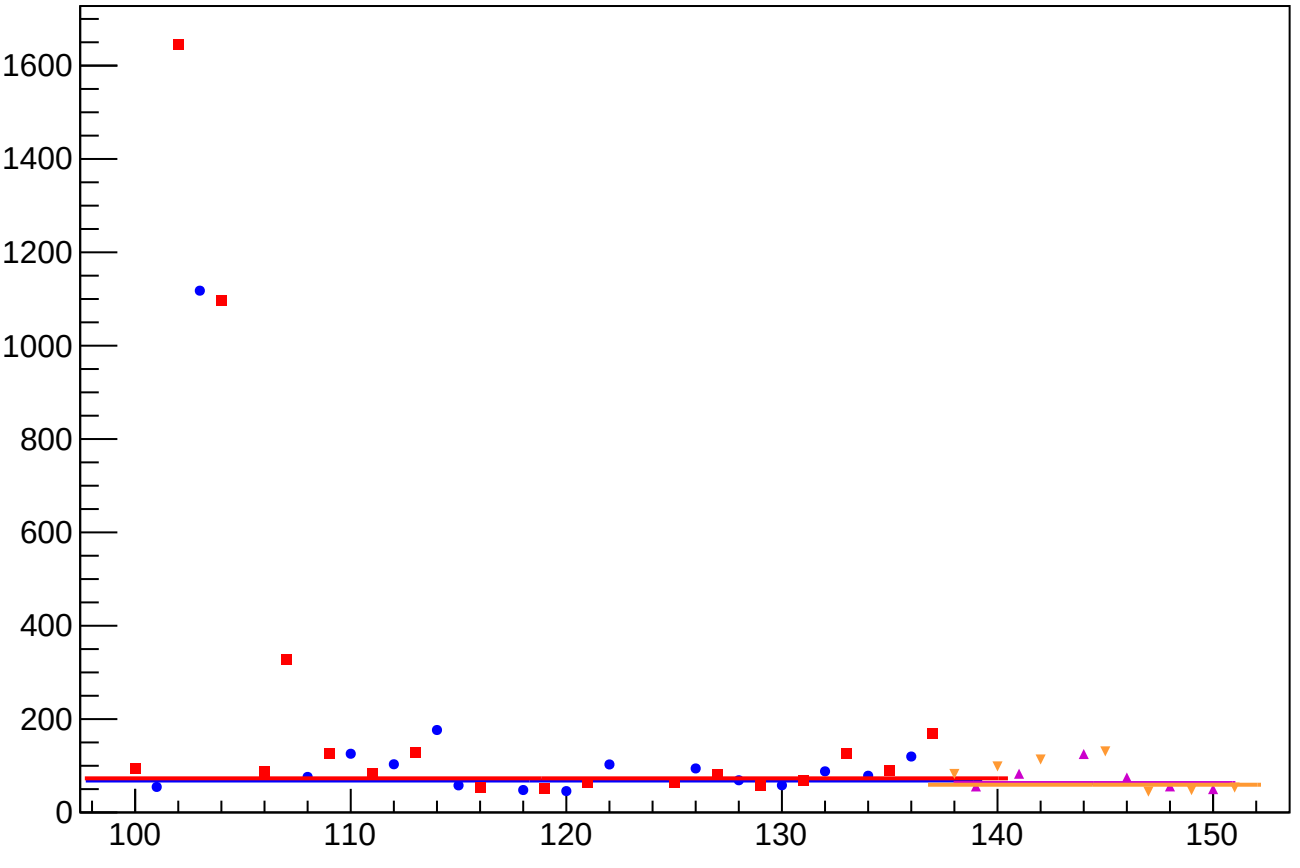
Left: -0.034+/-0.021 χ^2/NDF: 16.2/12

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.007+/-0.021 χ^2/NDF:24.0/21

Out: -0.024+/-0.022 χ^2/NDF:19.8/24

All: -0.015+/-0.015 χ^2/NDF: 44.1/46



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 59.405+/-0.021 χ^2/NDF:1216019.2/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 63.008+/-0.022 χ^2/NDF:700074.6/5

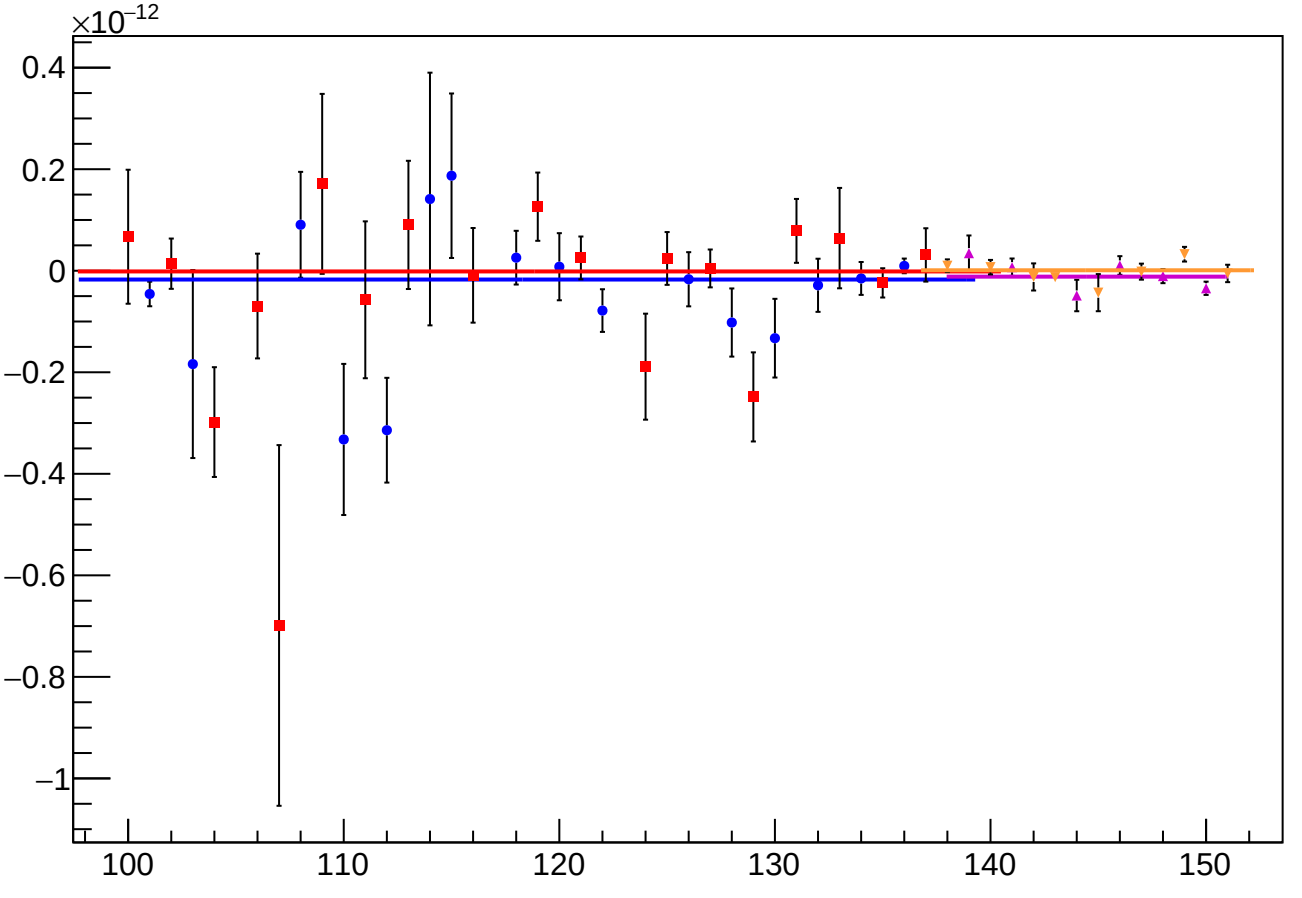
Left: 61.142+/-0.015 χ^2/NDF: 1930482.5/12

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 65.756+/-0.015 χ^2/NDF:3010110.6/21

Out: 65.376+/-0.016 χ^2/NDF:4316851.1/24

All: 65.572+/-0.011 χ^2/NDF: 7327265.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/5

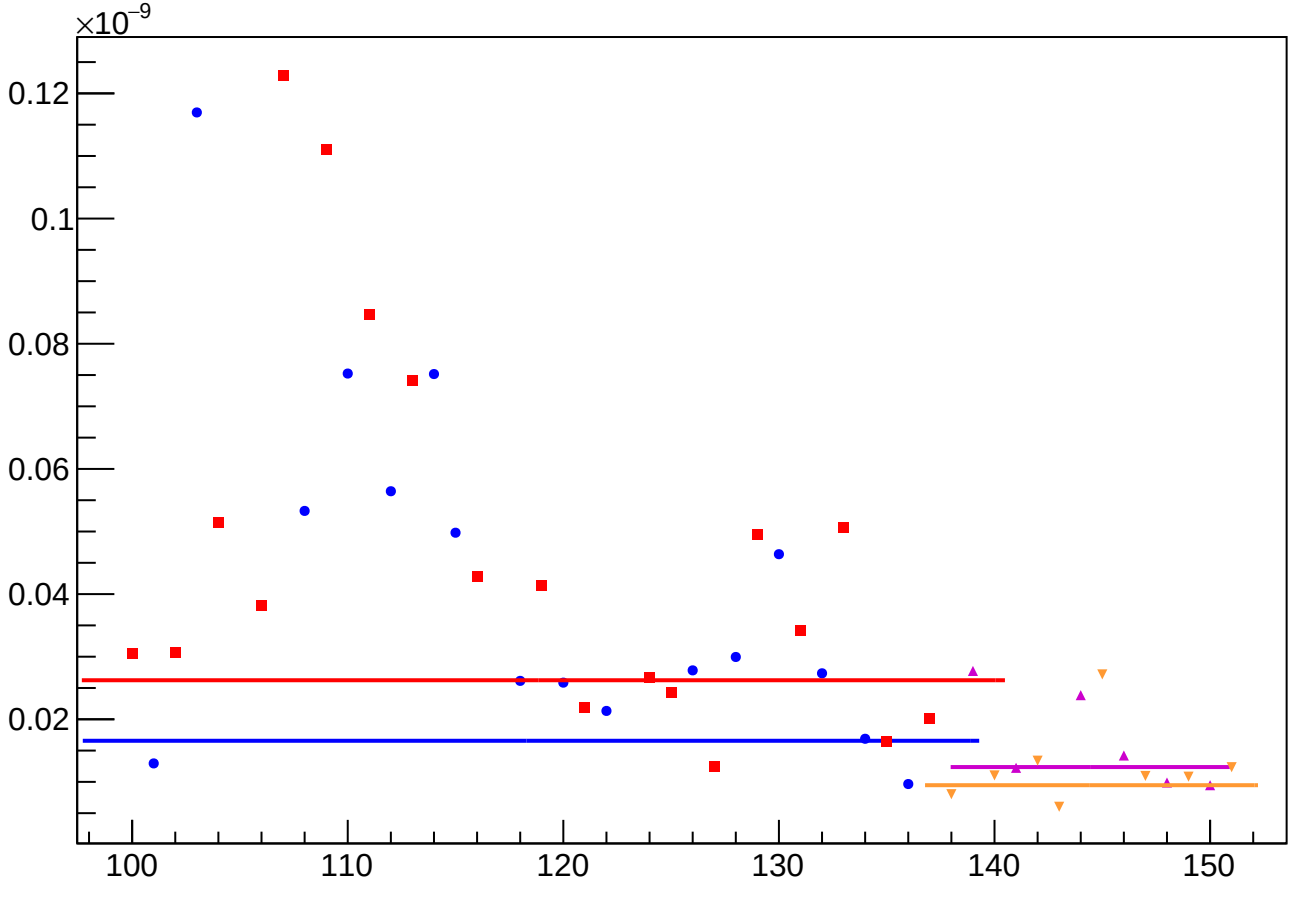
Left: -0.000+/-0.000 χ^2/NDF: 20.3/13

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:37.4/21

Out: 0.000+/-0.000 χ^2/NDF:41.7/26

All: -0.000+/-0.000 χ^2/NDF: 82.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:925220.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:844600.9/5

Left: 0.000+/-0.000 χ^2/NDF: 1982813.8/13

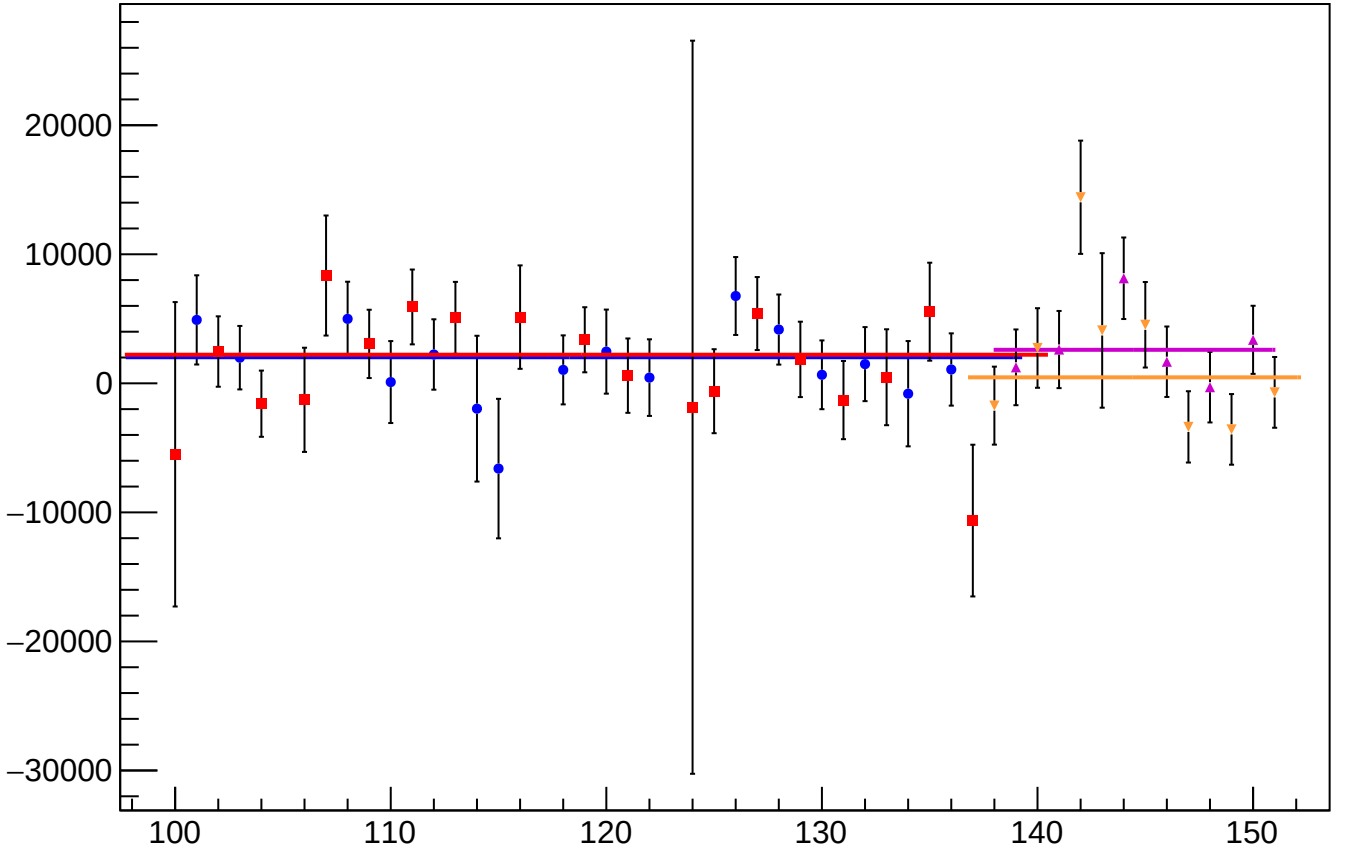
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3900373.7/21

Out: 0.000+/-0.000 χ^2/NDF:5714041.6/26

All: 0.000+/-0.000 χ^2/NDF: 9808832.7/48

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 464.054+/-1129.933 χ^2/NDF:17.4/7

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2597.269+/-1162.543 χ^2/NDF:4.6/5

Left: 1500.323+/-810.267 χ^2/NDF: 23.7/13

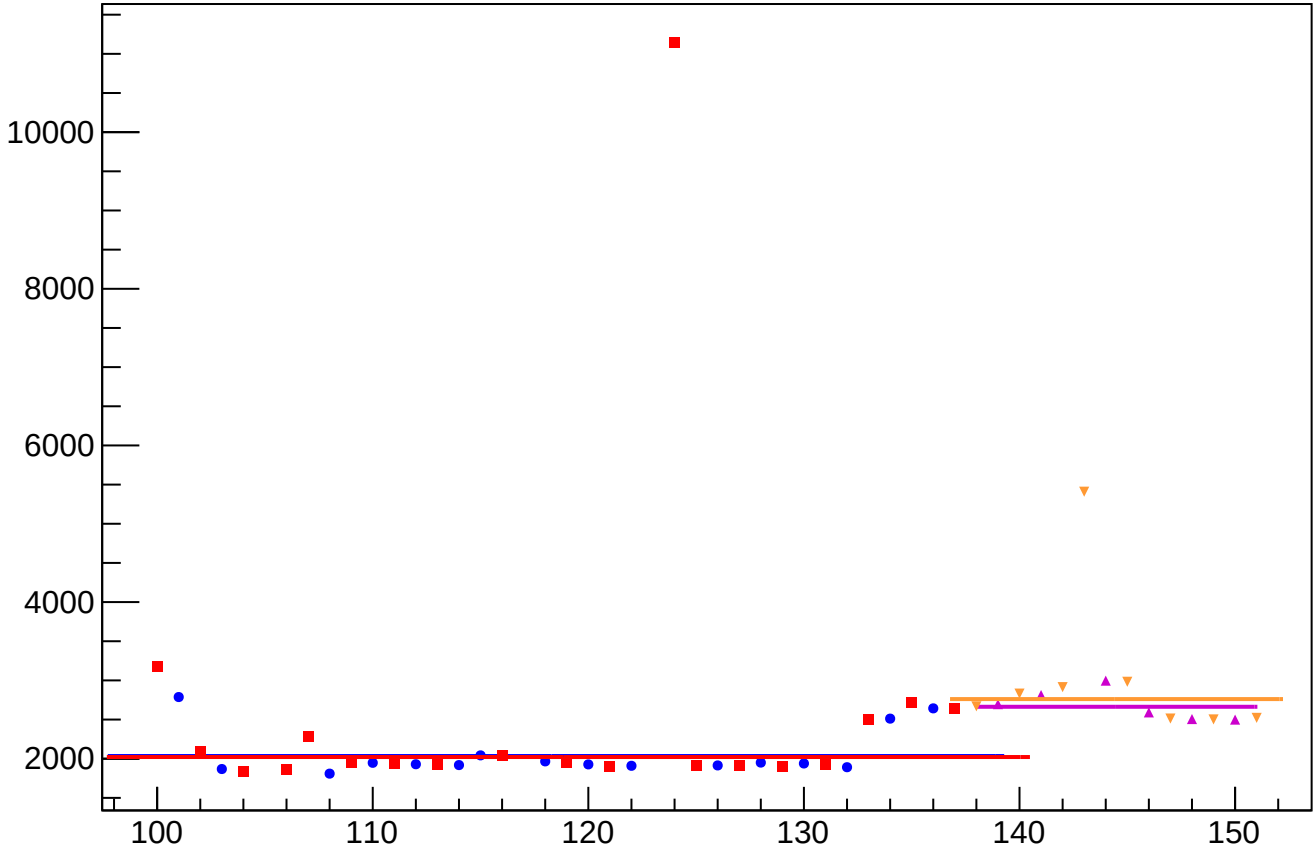
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2196.108+/-638.676 χ^2/NDF:14.4/21

Out: 1674.987+/-628.413 χ^2/NDF:37.1/26

All: 1931.327+/-447.940 χ^2/NDF: 51.9/48

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2761.400+/-0.799 χ^2/NDF:454860.4/7

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2663.176+/-0.822 χ^2/NDF:43249.0/5

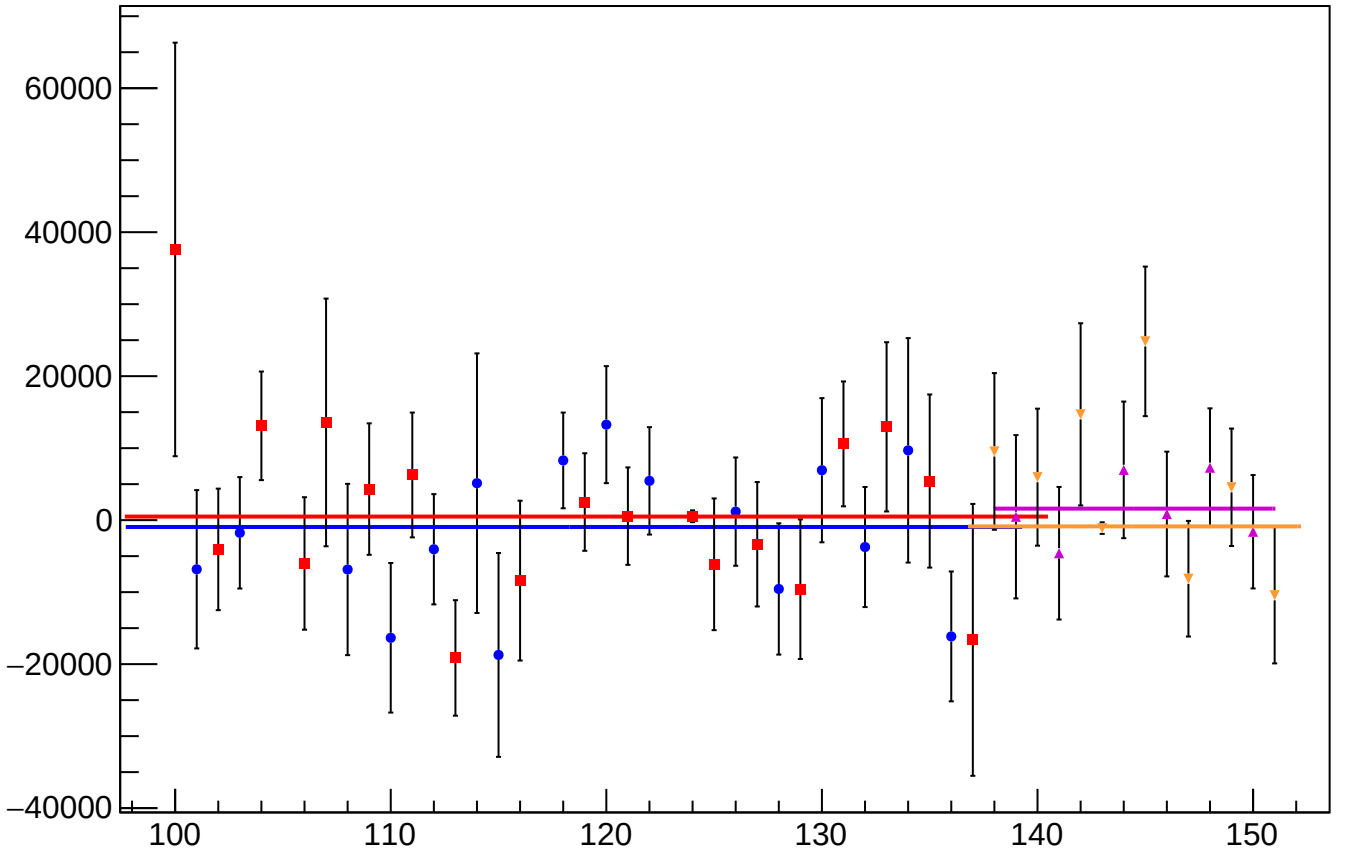
Left: 2713.685+/-0.573 χ^2/NDF: 505451.1/13

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2224.007+/-0.452 χ^2/NDF:715004.6/21

Out: 2250.385+/-0.444 χ^2/NDF:1437431.7/26

All: 2237.409+/-0.317 χ^2/NDF: 2154169.7/48



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -868.016+/-787.713 χ^2/NDF:11.4/7

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 1598.896+/-3655.659 χ^2/NDF:1.4/5

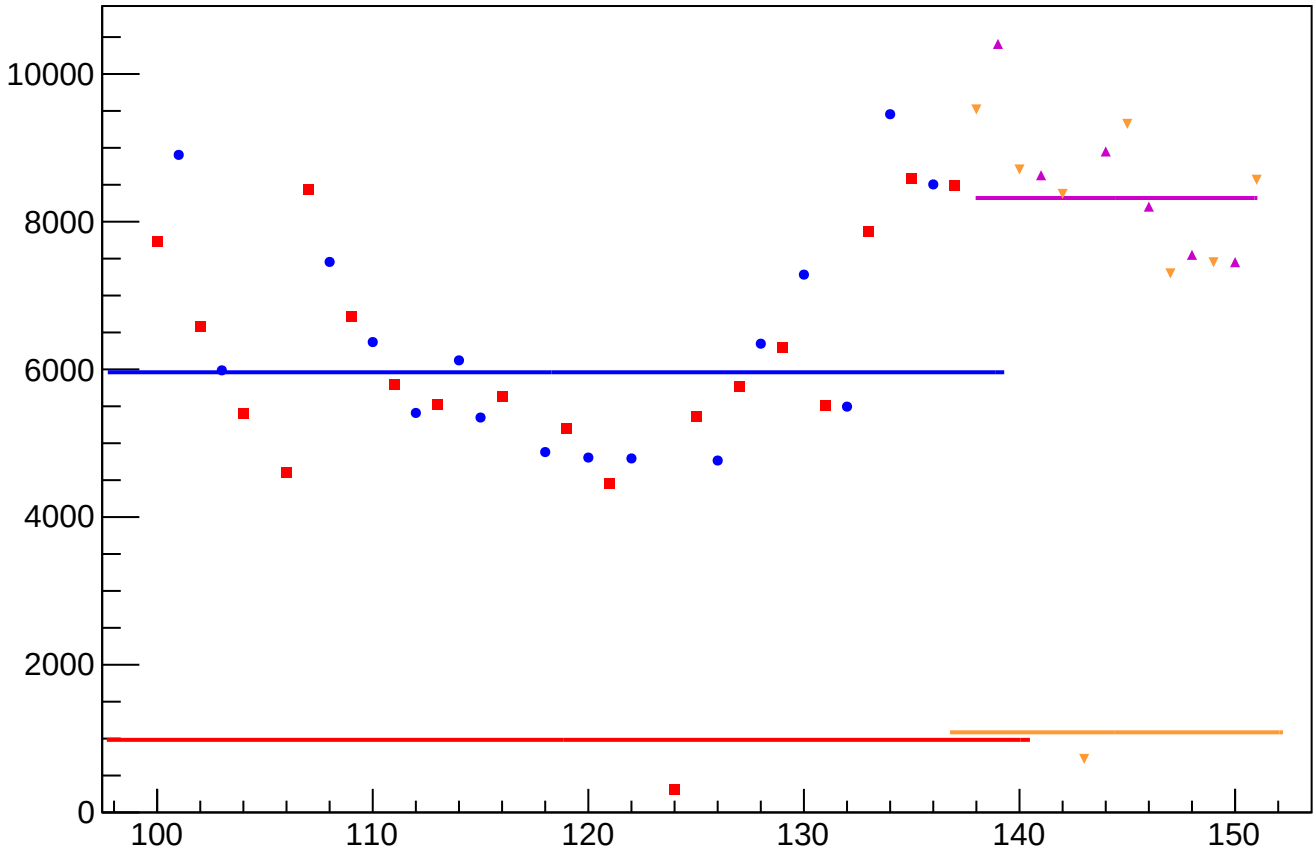
Left: -758.558+/-770.039 χ^2/NDF: 13.3/13

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -237.212+/-1933.677 χ^2/NDF:17.1/21

Out: -168.292+/-550.000 χ^2/NDF:31.4/26

All: -173.450+/-529.017 χ^2/NDF: 48.5/48



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1085.112+/-0.557 χ^2/NDF:8470308.0/7

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8320.696+/-2.585 χ^2/NDF:120880.6/5

Left: 1406.159+/-0.544 χ^2/NDF: 16078662.1/13

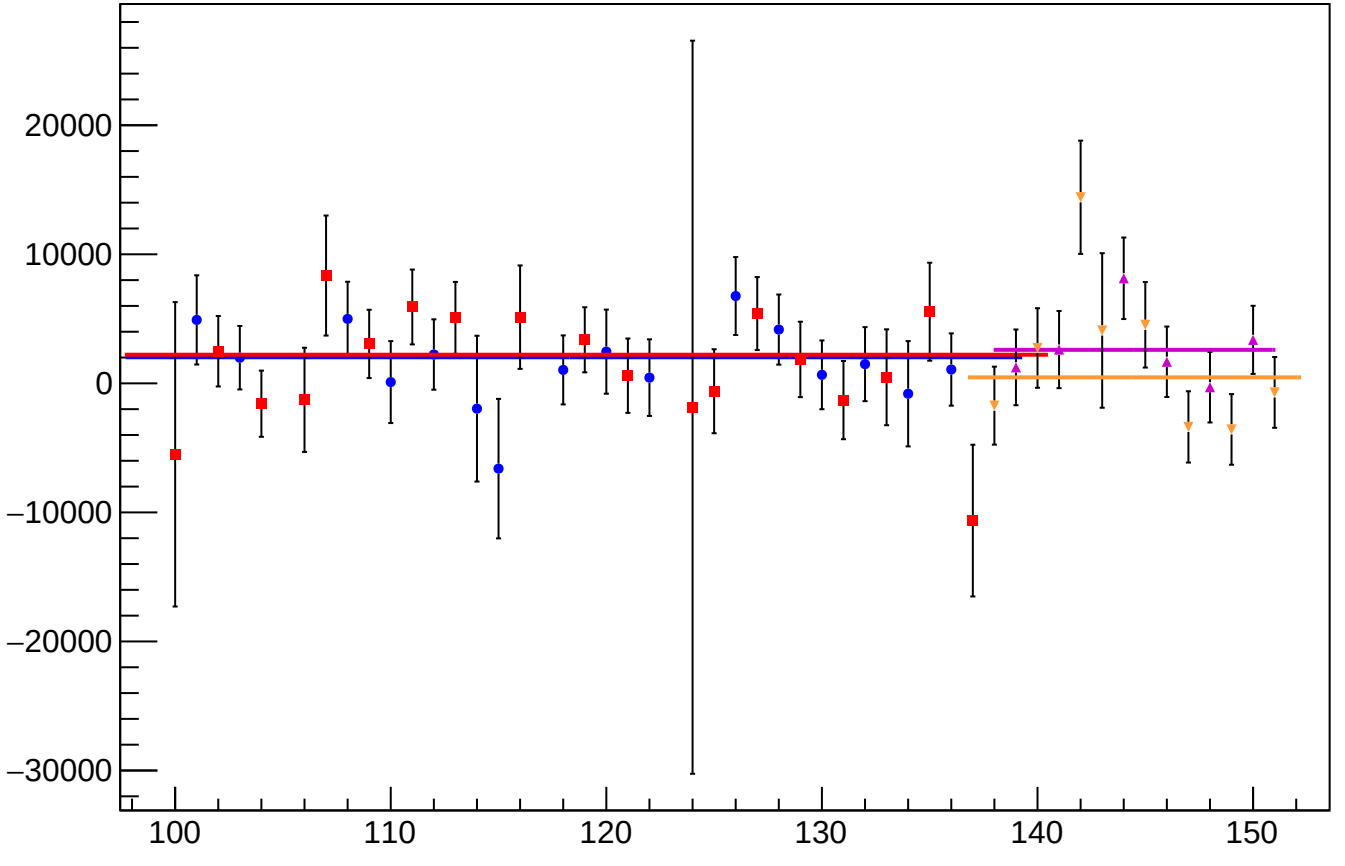
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6621.083+/-1.367 χ^2/NDF:1410410.9/21

Out: 1032.944+/-0.389 χ^2/NDF:19904115.1/26

All: 1451.197+/-0.374 χ^2/NDF: 36767443.4/4

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 464.098+/-1129.933 χ^2/NDF:17.4/7

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2597.382+/-1162.543 χ^2/NDF:4.6/5

Left: 1500.400+/-810.267 χ^2/NDF: 23.7/13

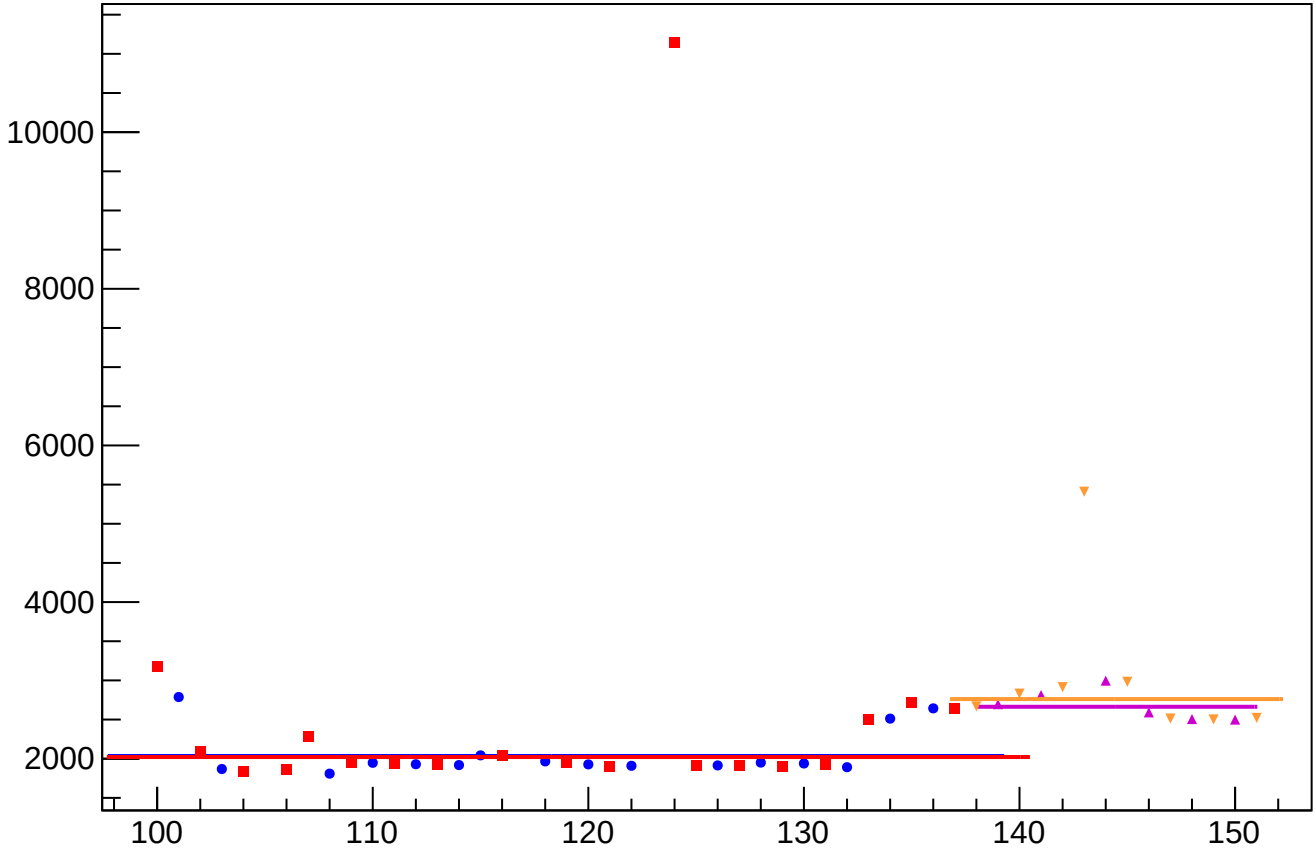
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2196.230+/-638.676 χ^2/NDF:14.4/21

Out: 1676.263+/-628.418 χ^2/NDF:37.2/26

All: 1932.037+/-447.941 χ^2/NDF: 51.9/48

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2761.400+/-0.799 χ^2/NDF:454860.4/7

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2663.176+/-0.822 χ^2/NDF:43249.0/5

Left: 2713.685+/-0.573 χ^2/NDF: 505451.1/13

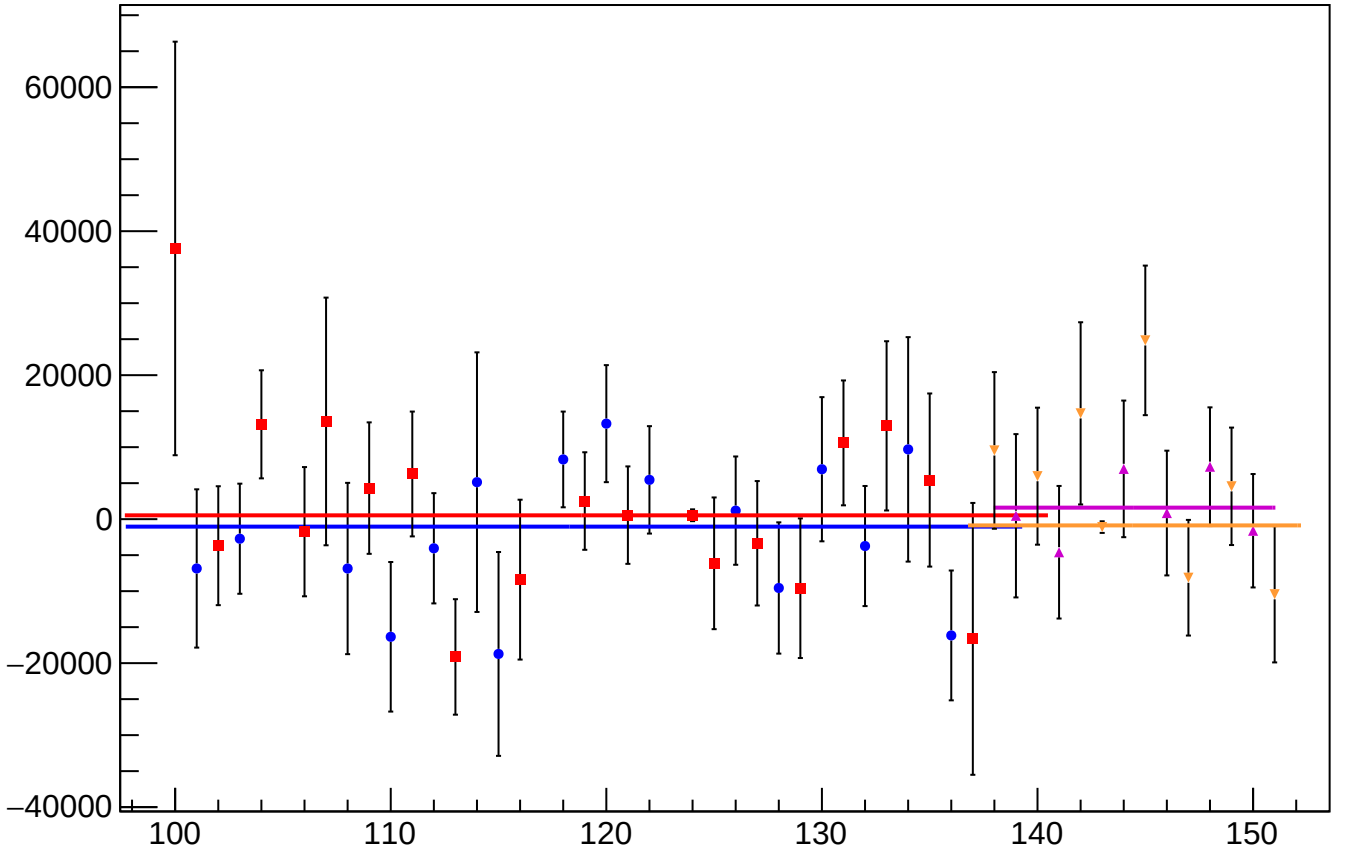
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2224.007+/-0.452 χ^2/NDF:715004.6/21

Out: 2250.403+/-0.444 χ^2/NDF:1437405.3/26

All: 2237.418+/-0.317 χ^2/NDF: 2154145.7/48

asym_atl2_cor_correction_mean vs Slug, Sign Corrected



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -867.809+/-787.640 χ^2/NDF:11.4/7

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 1598.994+/-3655.655 χ^2/NDF:1.4/5

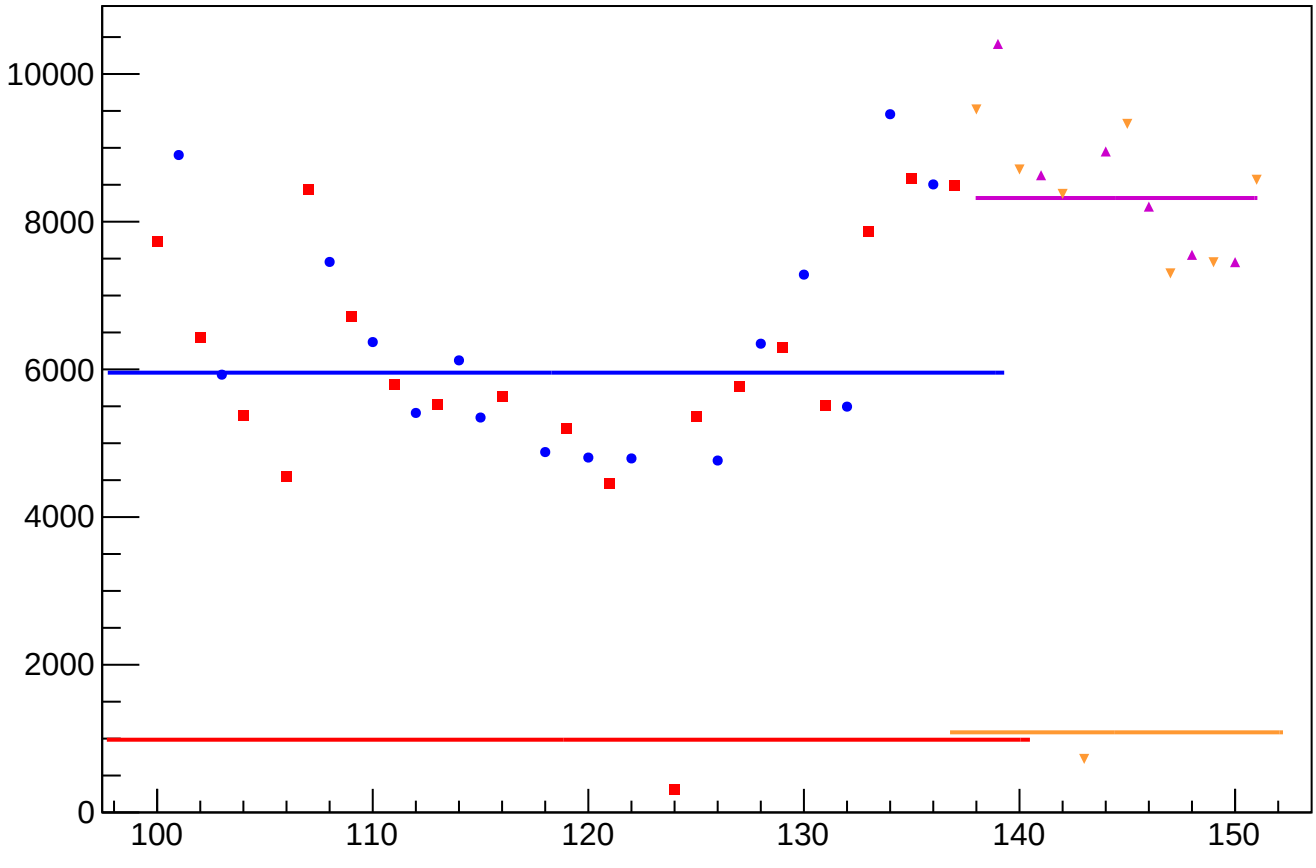
Left: -758.375+/-769.971 χ^2/NDF: 13.3/13

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -301.242+/-1932.238 χ^2/NDF:17.2/21

Out: -150.873+/-549.851 χ^2/NDF:31.1/26

All: -162.137+/-528.855 χ^2/NDF: 48.3/48



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1084.981+/-0.557 χ^2/NDF:8470536.0/7

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8320.685+/-2.585 χ^2/NDF:120881.3/5

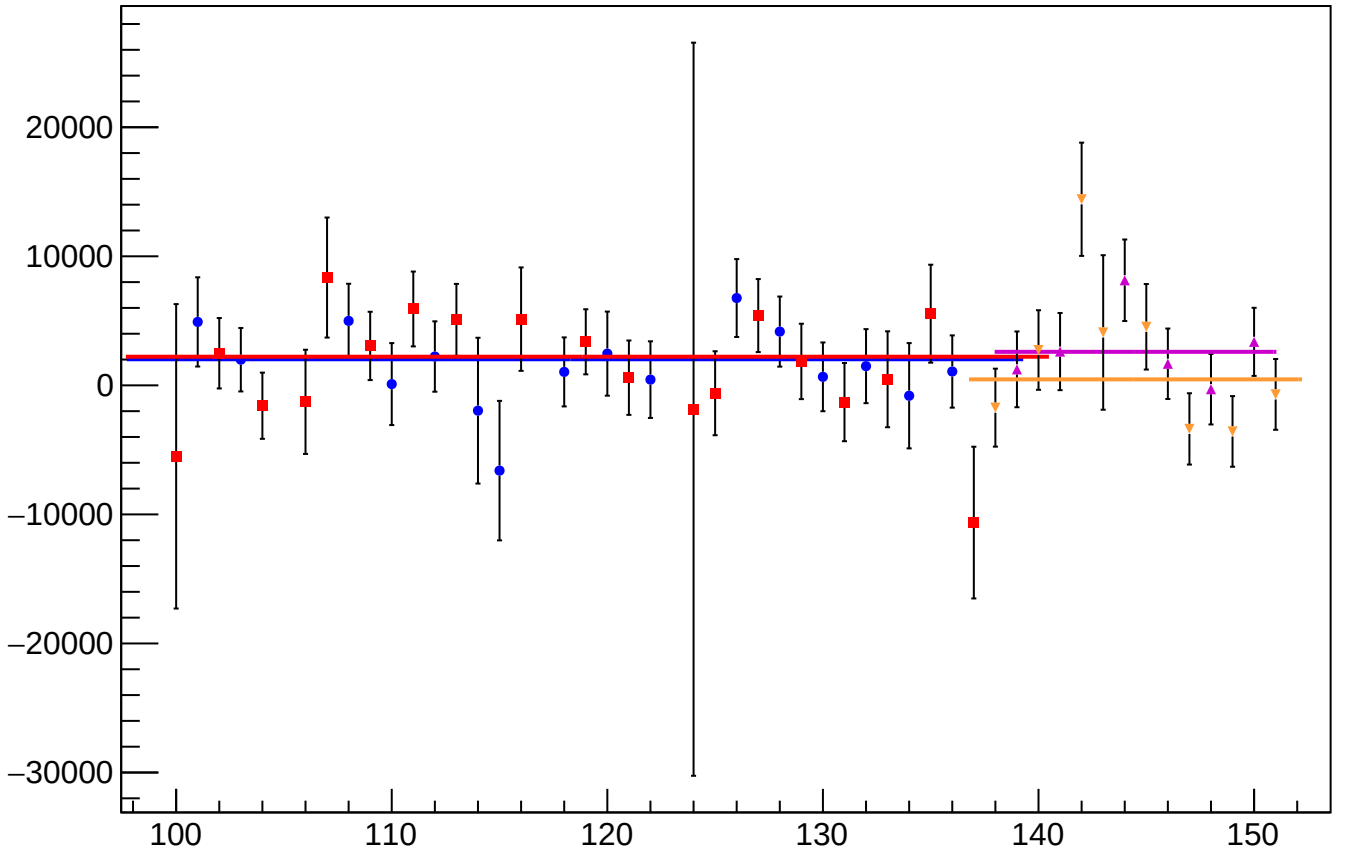
Left: 1405.976+/-0.544 χ^2/NDF: 16079220.1/13

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6616.379+/-1.366 χ^2/NDF:1413258.6/21

Out: 1033.748+/-0.389 χ^2/NDF:19899885.3/26

All: 1451.954+/-0.374 χ^2/NDF: 36757489.6/4



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 464.098+/-1129.933 χ^2/NDF:17.4/7

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2597.382+/-1162.543 χ^2/NDF:4.6/5

Left: 1500.400+/-810.267 χ^2/NDF: 23.7/13

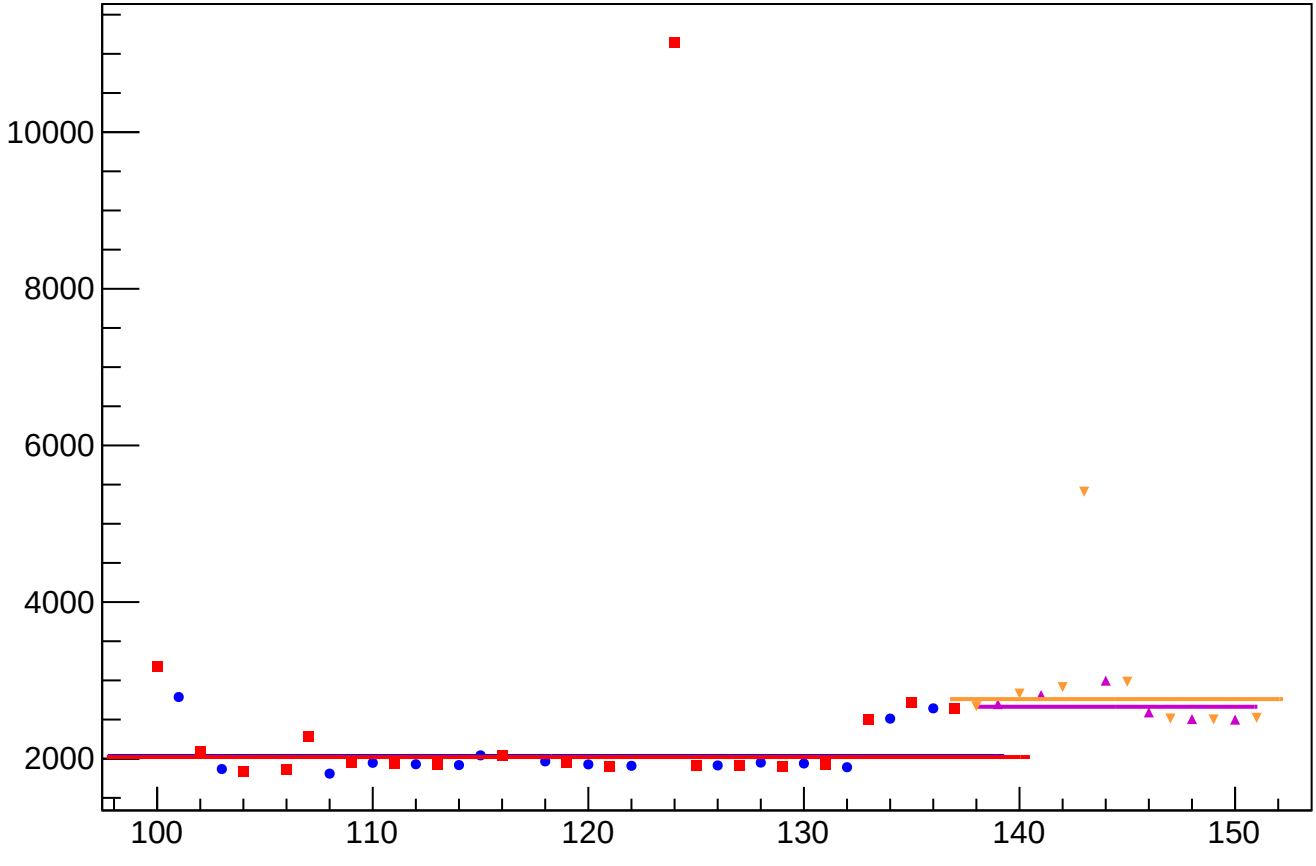
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2196.230+/-638.676 χ^2/NDF:14.4/21

Out: 1676.263+/-628.418 χ^2/NDF:37.2/26

All: 1932.037+/-447.941 χ^2/NDF: 51.9/48

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2761.400+/-0.799 χ^2/NDF:454860.4/7

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2663.176+/-0.822 χ^2/NDF:43249.0/5

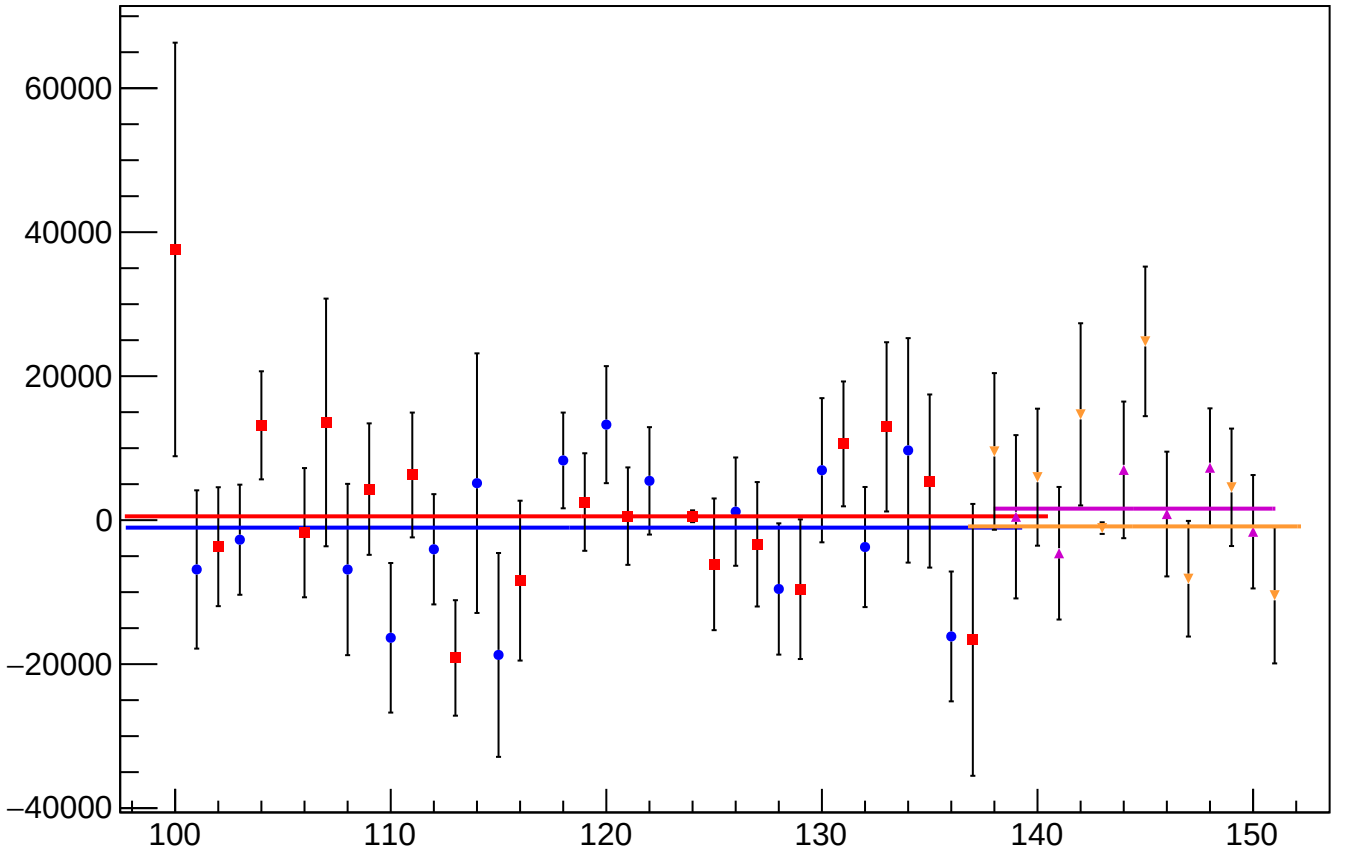
Left: 2713.685+/-0.573 χ^2/NDF: 505451.1/13

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2224.007+/-0.452 χ^2/NDF:715004.6/21

Out: 2250.403+/-0.444 χ^2/NDF:1437405.3/26

All: 2237.418+/-0.317 χ^2/NDF: 2154145.7/48



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -867.809+/-787.640 χ^2/NDF:11.4/7

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 1598.994+/-3655.655 χ^2/NDF:1.4/5

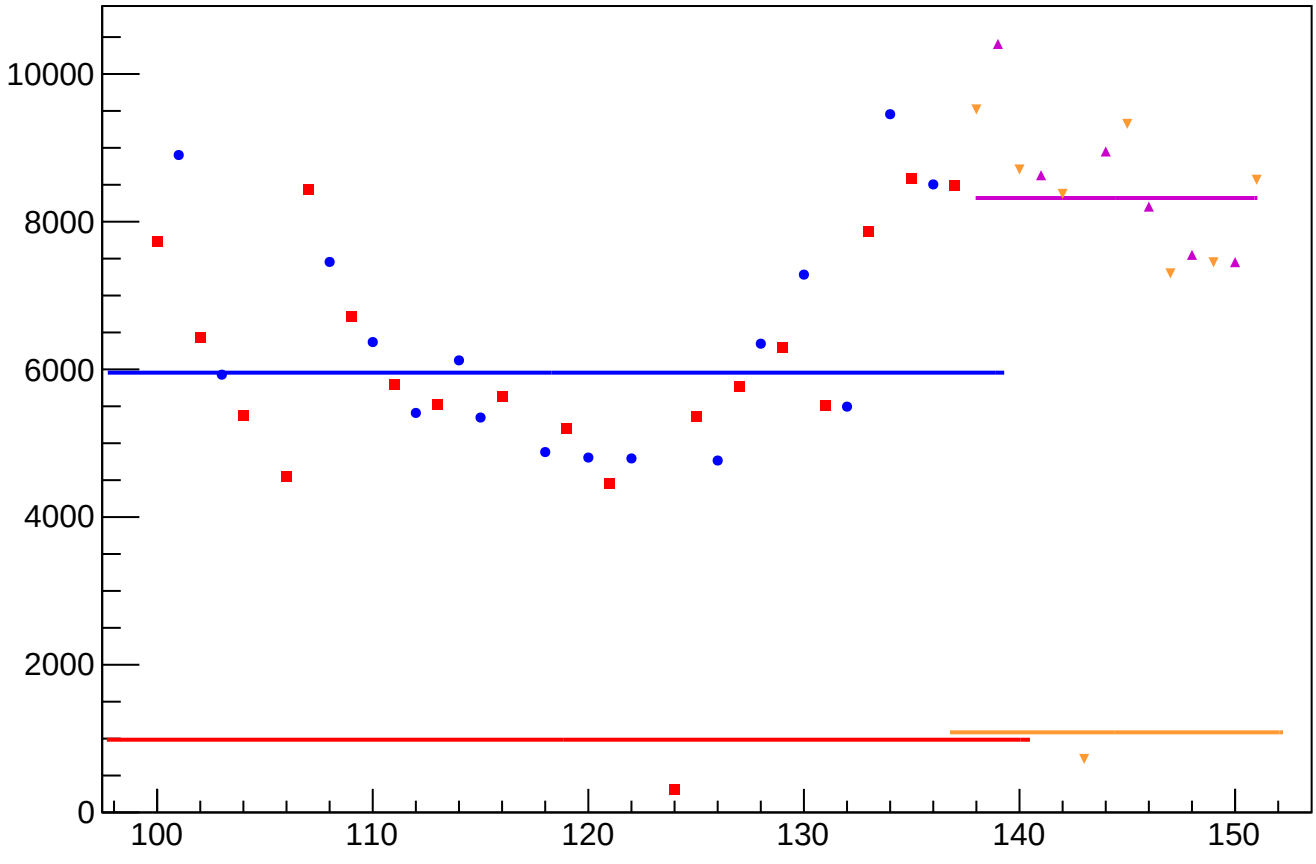
Left: -758.375+/-769.971 χ^2/NDF: 13.3/13

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -301.242+/-1932.238 χ^2/NDF:17.2/21

Out: -150.873+/-549.851 χ^2/NDF:31.1/26

All: -162.137+/-528.855 χ^2/NDF: 48.3/48



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1084.981+/-0.557 χ^2/NDF:8470536.0/7

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8320.685+/-2.585 χ^2/NDF:120881.3/5

Left: 1405.976+/-0.544 χ^2/NDF: 16079220.1/13

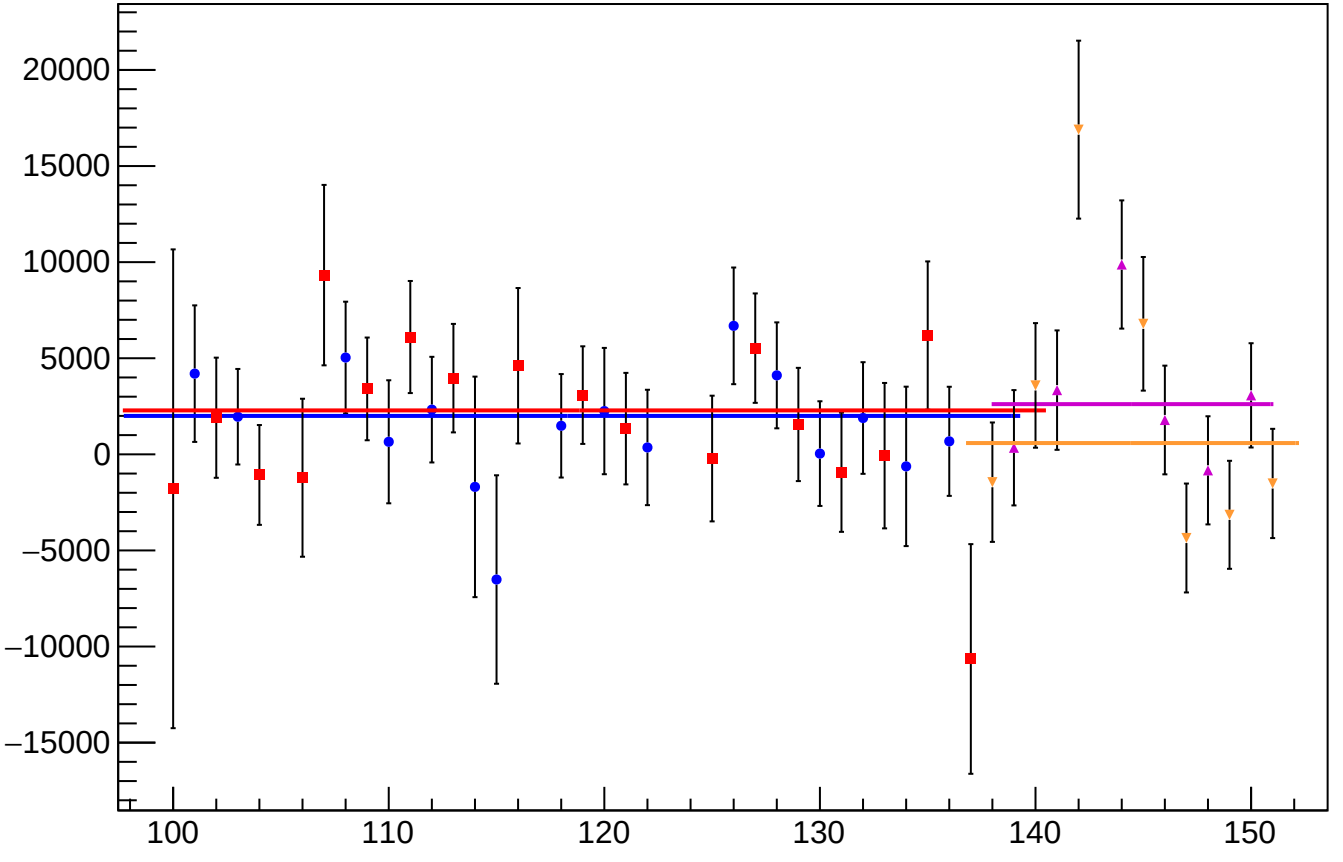
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6616.379+/-1.366 χ^2/NDF:1413258.6/21

Out: 1033.748+/-0.389 χ^2/NDF:19899885.3/26

All: 1451.954+/-0.374 χ^2/NDF: 36757489.6/4

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 587.136+/-1192.561 χ^2/NDF:22.2/6

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2612.181+/-1202.221 χ^2/NDF:7.0/5

Left: 1591.490+/-846.662 χ^2/NDF: 30.6/12

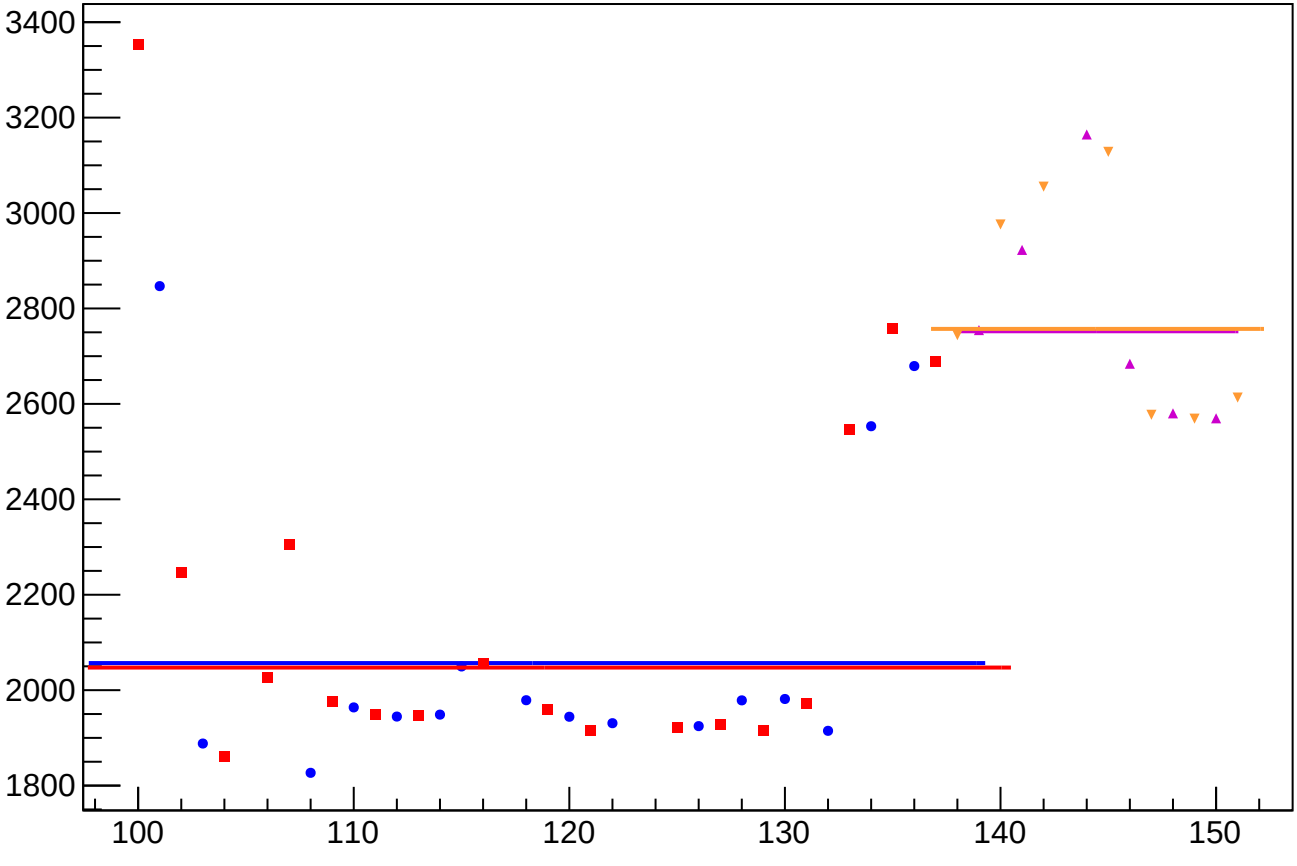
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2178.681+/-650.515 χ^2/NDF:16.2/21

Out: 1784.885+/-647.648 χ^2/NDF:40.3/24

All: 1980.913+/-458.967 χ^2/NDF: 56.7/46

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2757.177+/-0.843 χ^2/NDF:62388.6/6

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2752.195+/-0.850 χ^2/NDF:54287.0/5

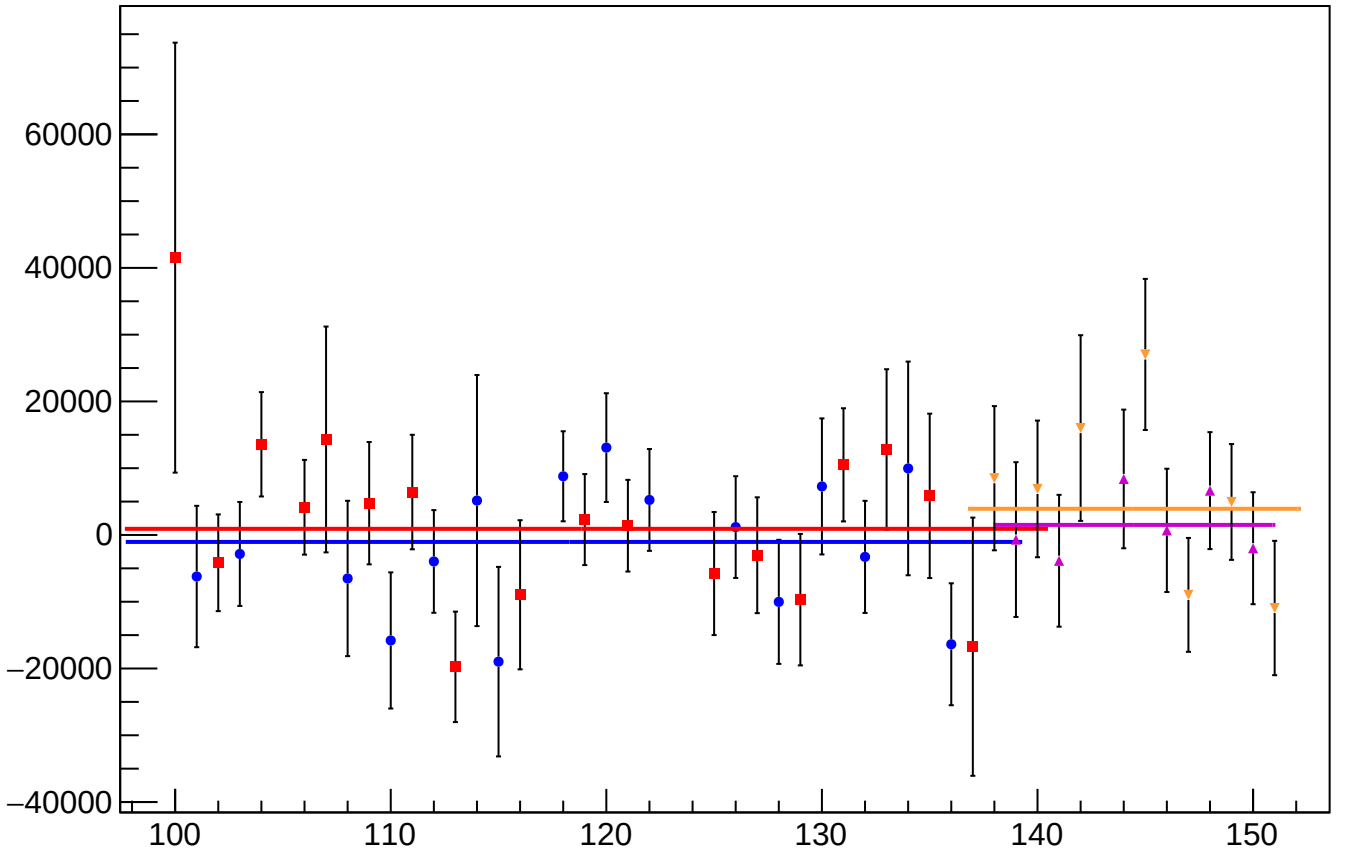
Left: 2754.706+/-0.599 χ^2/NDF: 116692.9/12

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2260.397+/-0.460 χ^2/NDF:797983.3/21

Out: 2256.288+/-0.457 χ^2/NDF:758868.1/24

All: 2258.331+/-0.324 χ^2/NDF: 1556891.5/46



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 3924.703+/-3834.342 χ^2/NDF:9.7/6

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 1507.276+/-3893.676 χ^2/NDF:1.3/5

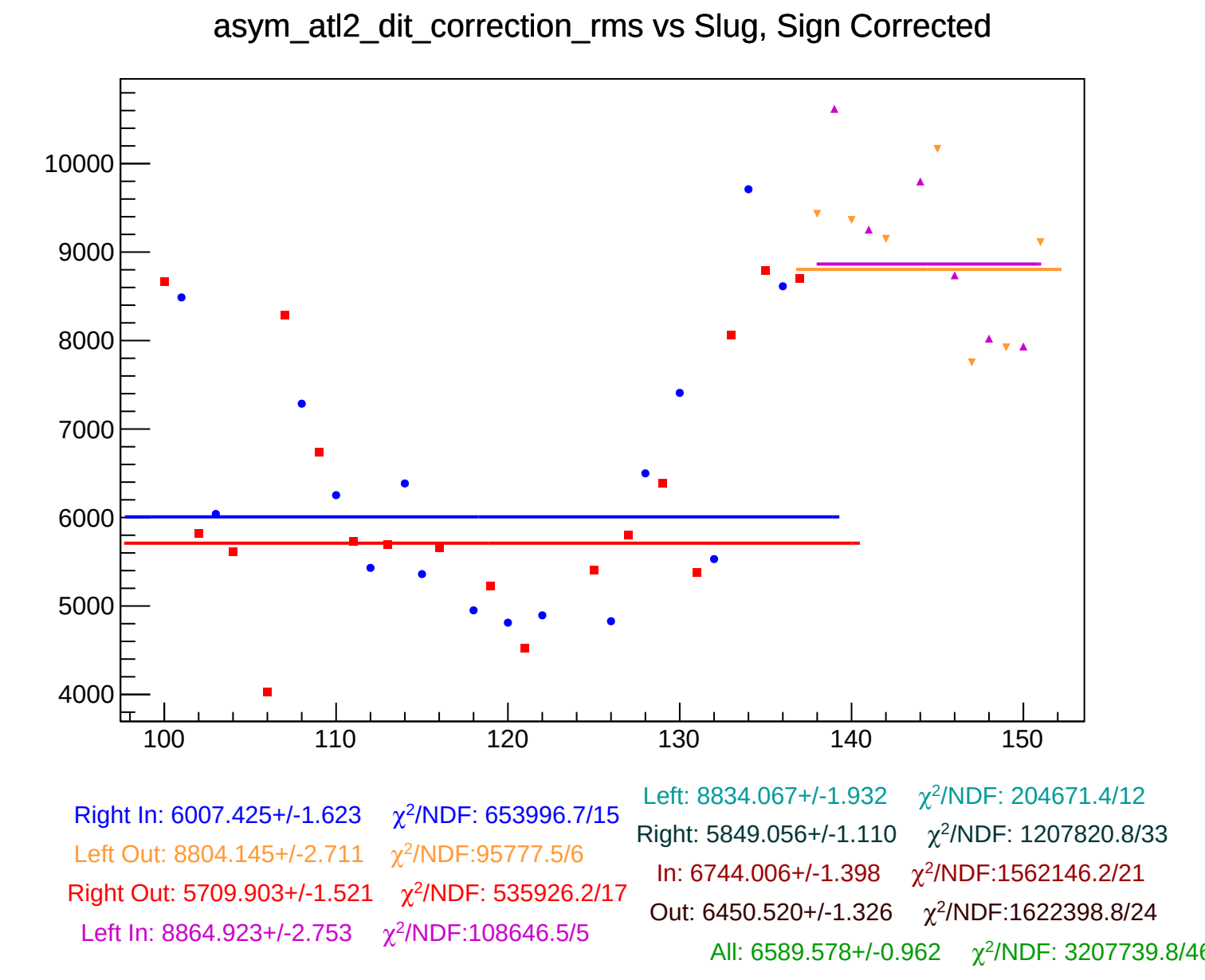
Left: 2734.549+/-2732.025 χ^2/NDF: 11.2/12

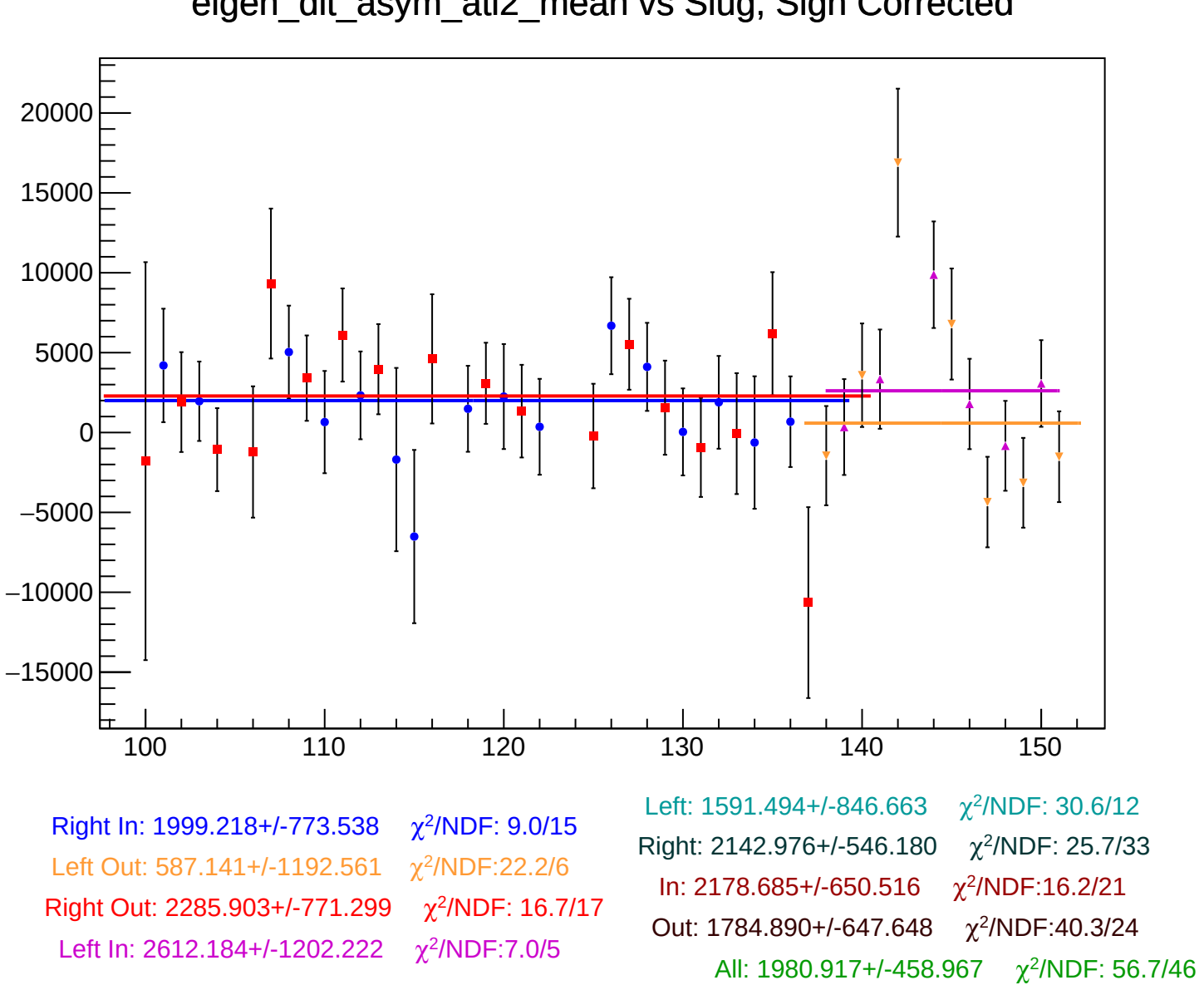
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

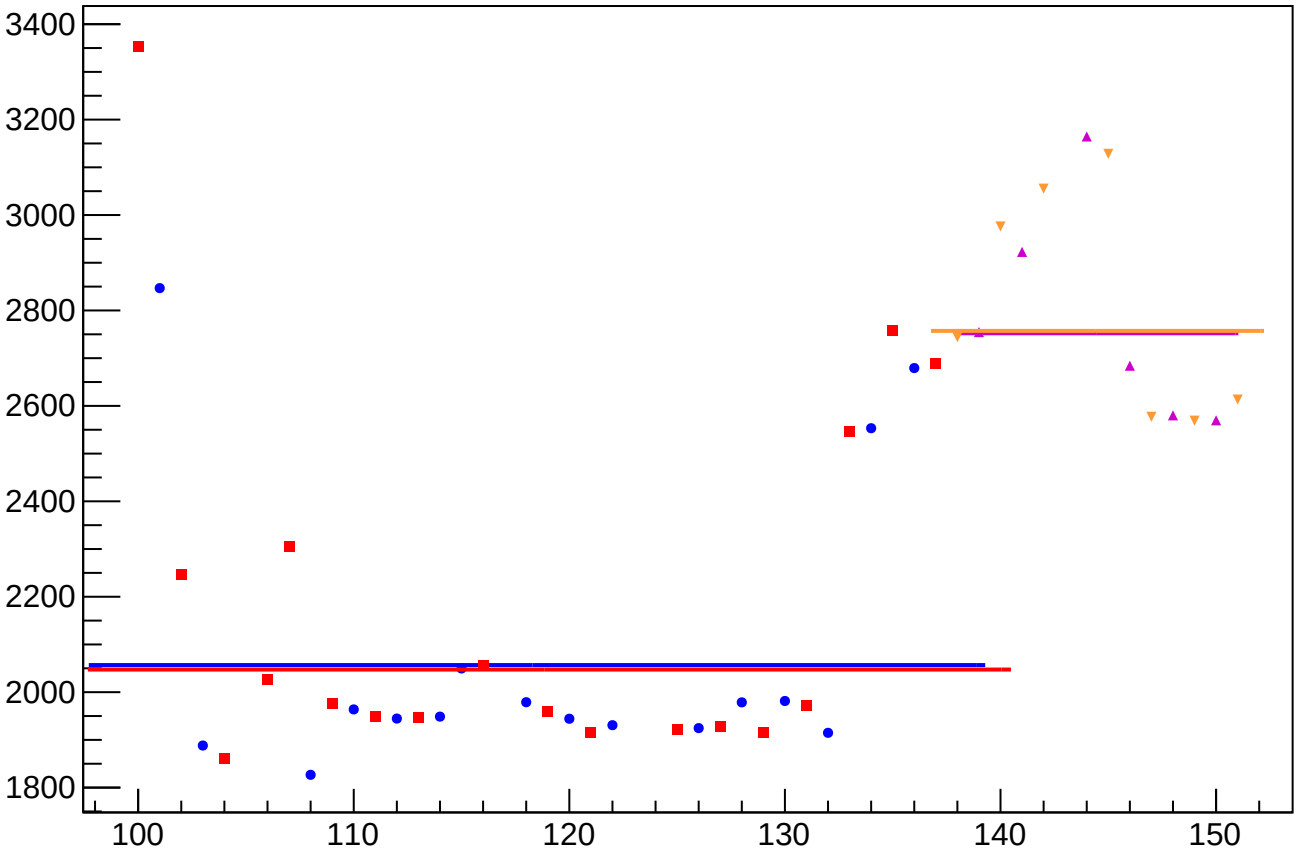
In: -385.252+/-1976.865 χ^2/NDF:16.9/21

Out: 1638.929+/-1875.904 χ^2/NDF:28.5/24

All: 679.846+/-1360.757 χ^2/NDF: 46.0/46


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
100
110
120
130
140
150
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 8804.145+/-2.711 χ²/NDF:95777.5/6
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 8864.923+/-2.753 χ²/NDF:108646.5/5
Left: 8834.067+/-1.932 χ²/NDF: 204671.4/12
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 6744.006+/-1.398 χ²/NDF:1562146.2/21
Out: 6450.520+/-1.326 χ²/NDF:1622398.8/24
All: 6589.578+/-0.962 χ²/NDF: 3207739.8/46


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 587.141+/-1192.561 χ²/NDF:22.2/6
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 2612.184+/-1202.222 χ²/NDF:7.0/5
Left: 1591.494+/-846.663 χ²/NDF: 30.6/12
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2178.685+/-650.516 χ²/NDF:16.2/21
Out: 1784.890+/-647.648 χ²/NDF:40.3/24
All: 1980.917+/-458.967 χ²/NDF: 56.7/46



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2757.179+/-0.843 χ^2/NDF:62389.9/6

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2752.197+/-0.850 χ^2/NDF:54287.8/5

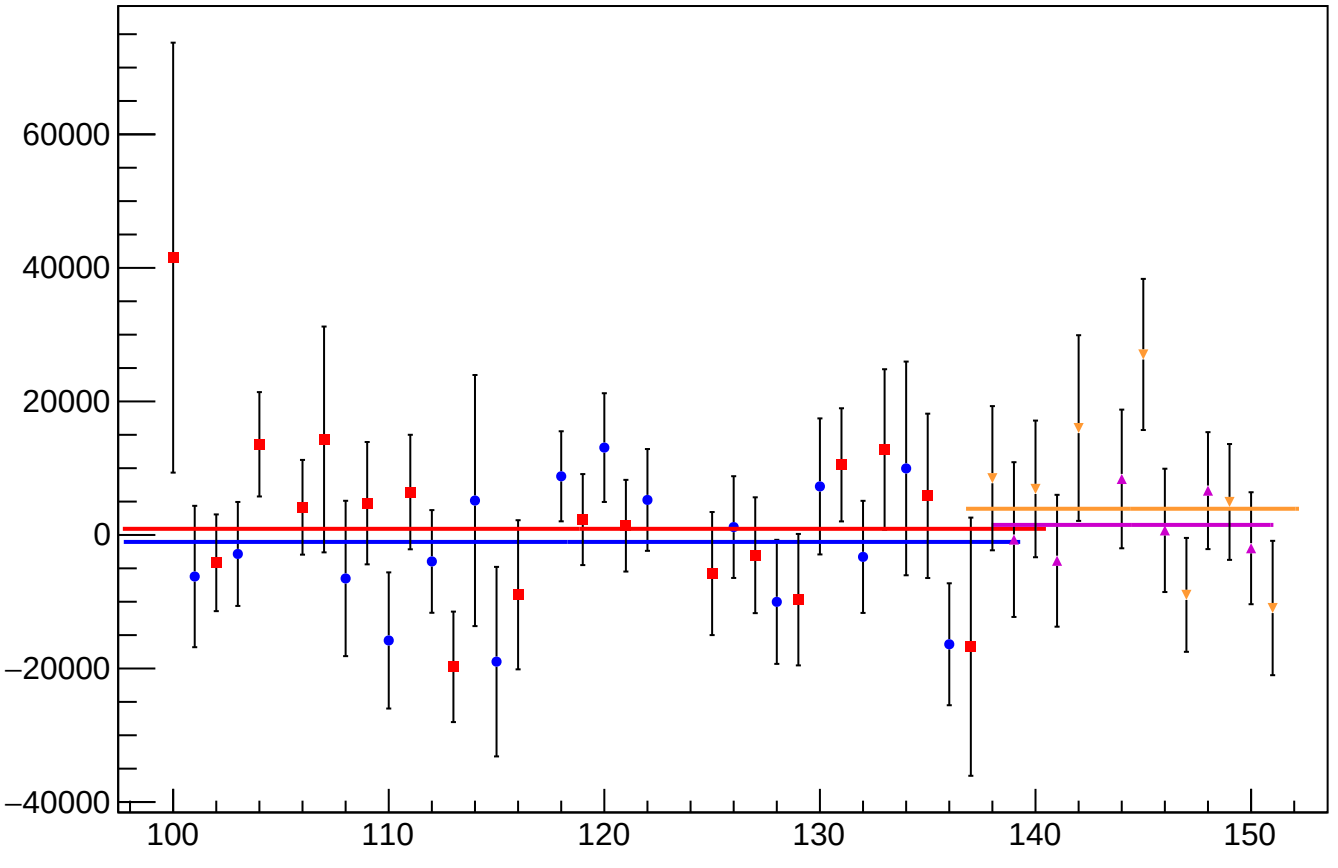
Left: 2754.708+/-0.599 χ^2/NDF: 116694.9/12

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2260.398+/-0.460 χ^2/NDF:797986.0/21

Out: 2256.288+/-0.457 χ^2/NDF:758871.7/24

All: 2258.332+/-0.324 χ^2/NDF: 1556897.8/46



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 3924.695+/-3834.347 χ^2/NDF:9.7/6

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 1507.278+/-3893.680 χ^2/NDF:1.3/5

Left: 2734.546+/-2732.029 χ^2/NDF: 11.2/12

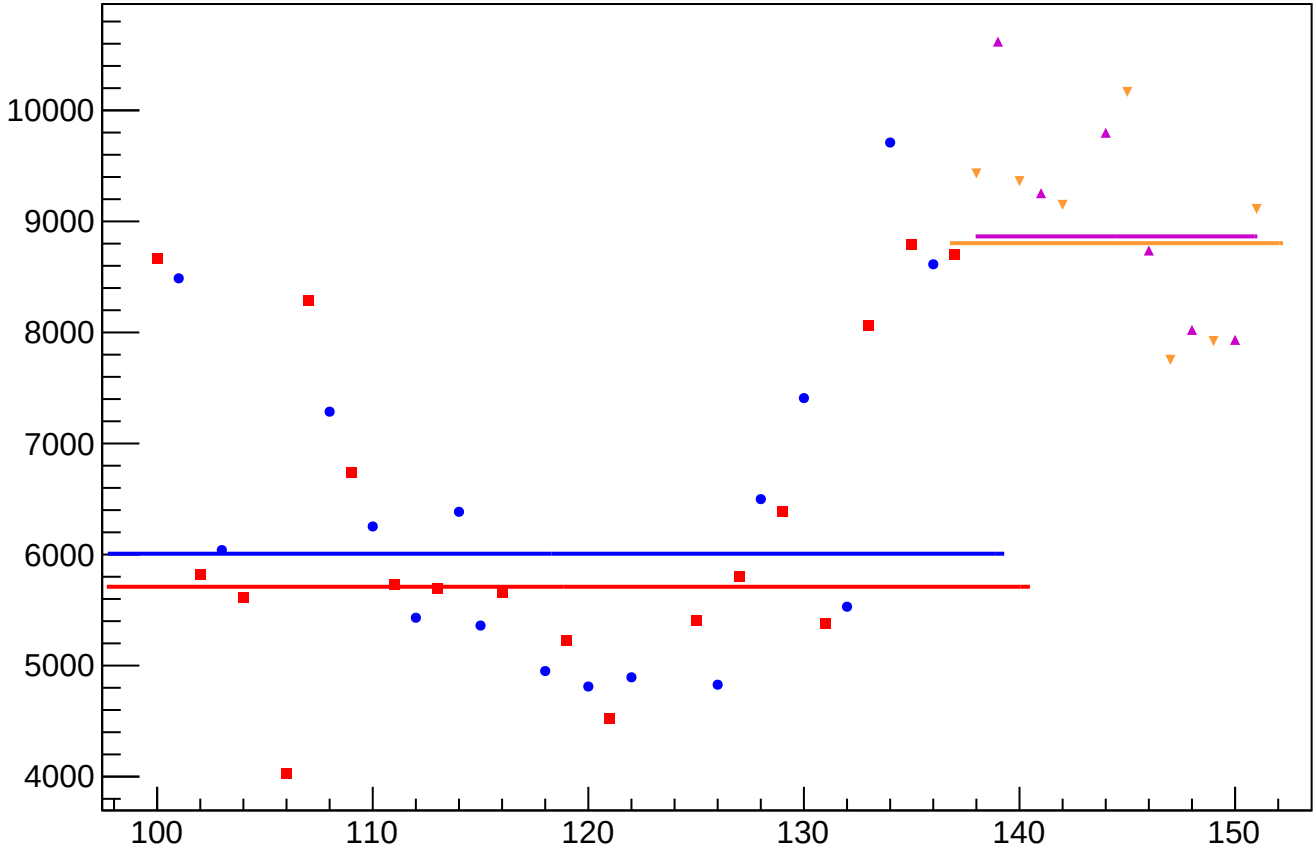
Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -385.246+/-1976.862 χ^2/NDF:16.9/21

Out: 1638.926+/-1875.901 χ^2/NDF:28.5/24

All: 679.847+/-1360.755 χ^2/NDF: 46.0/46

asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 8804.156+/-2.711 χ^2/NDF:95779.8/6

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 8864.933+/-2.753 χ^2/NDF:108648.9/5

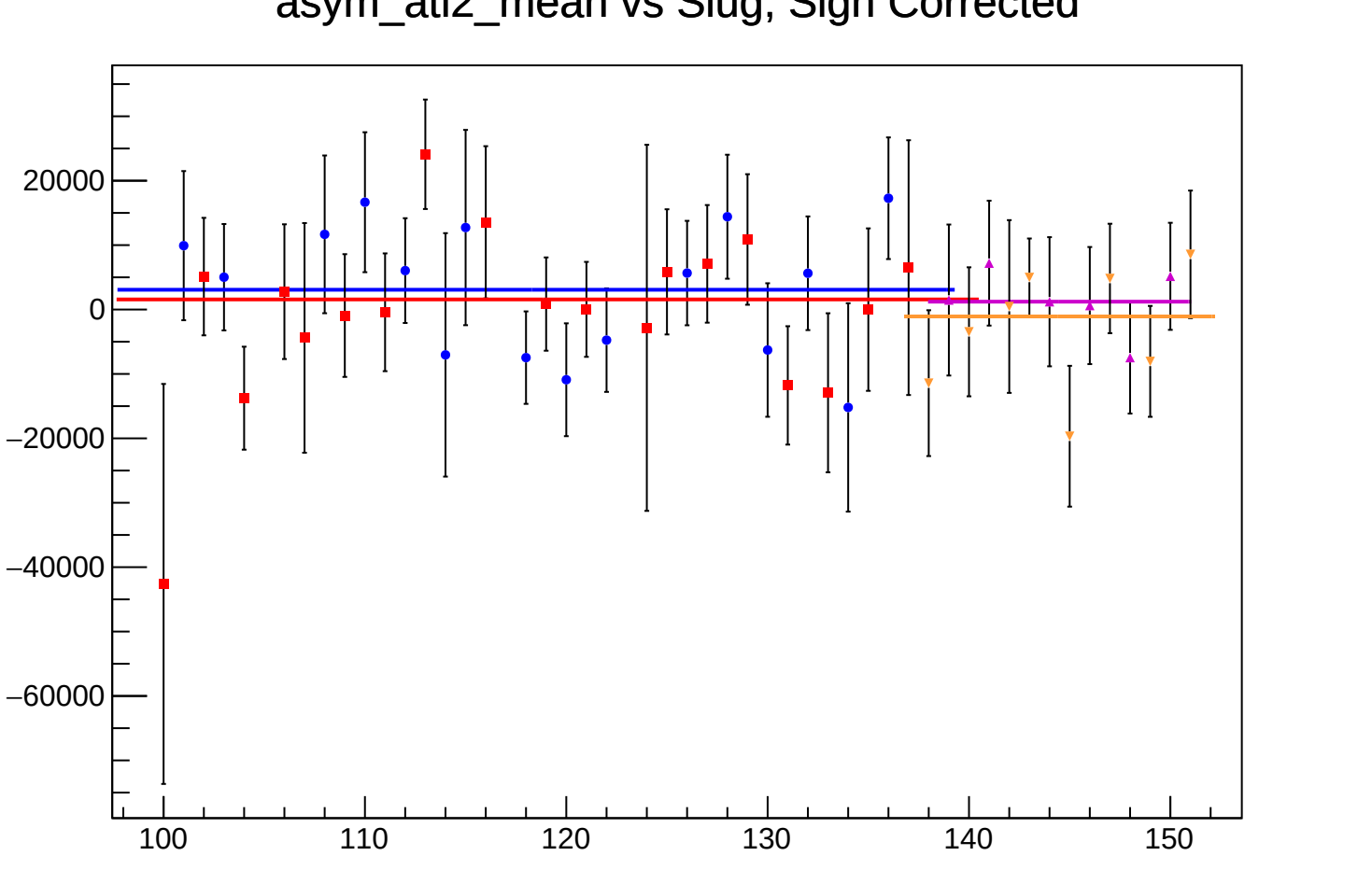
Left: 8834.078+/-1.932 χ^2/NDF: 204676.2/12

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6743.989+/-1.398 χ^2/NDF:1562173.2/21

Out: 6450.505+/-1.326 χ^2/NDF:1622421.9/24

All: 6589.562+/-0.962 χ^2/NDF: 3207789.8/46



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -1073.218+/-3216.902 χ^2/NDF:6.9/7

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1220.774+/-3843.392 χ^2/NDF:1.6/5

Left: -128.188+/-2466.844 χ^2/NDF: 8.7/13

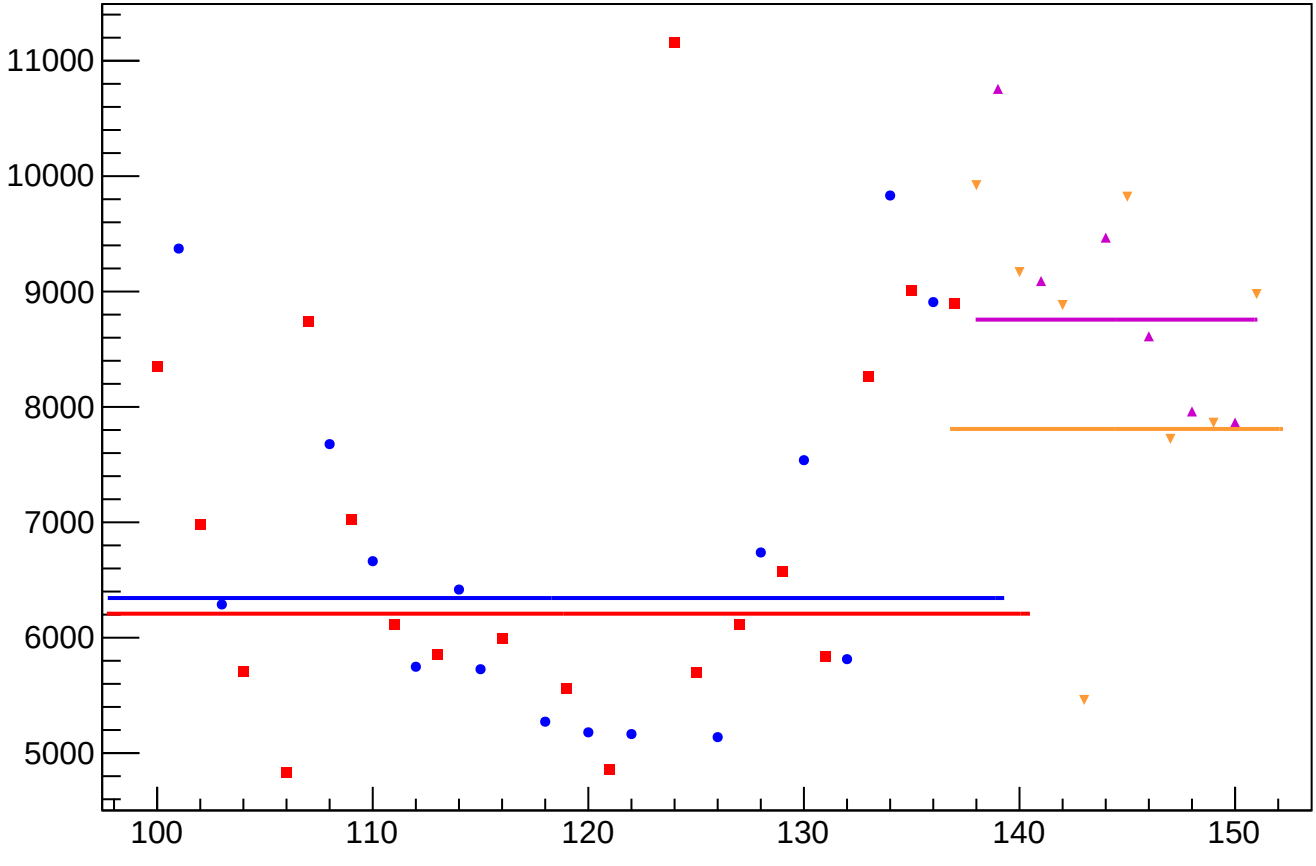
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2544.982+/-2048.300 χ^2/NDF:16.6/21

Out: 655.565+/-1890.142 χ^2/NDF:26.5/26

All: 1524.522+/-1389.084 χ^2/NDF: 43.6/48

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 7809.270+/-2.275 χ^2/NDF:517351.2/7

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 8756.577+/-2.718 χ^2/NDF:110978.8/5

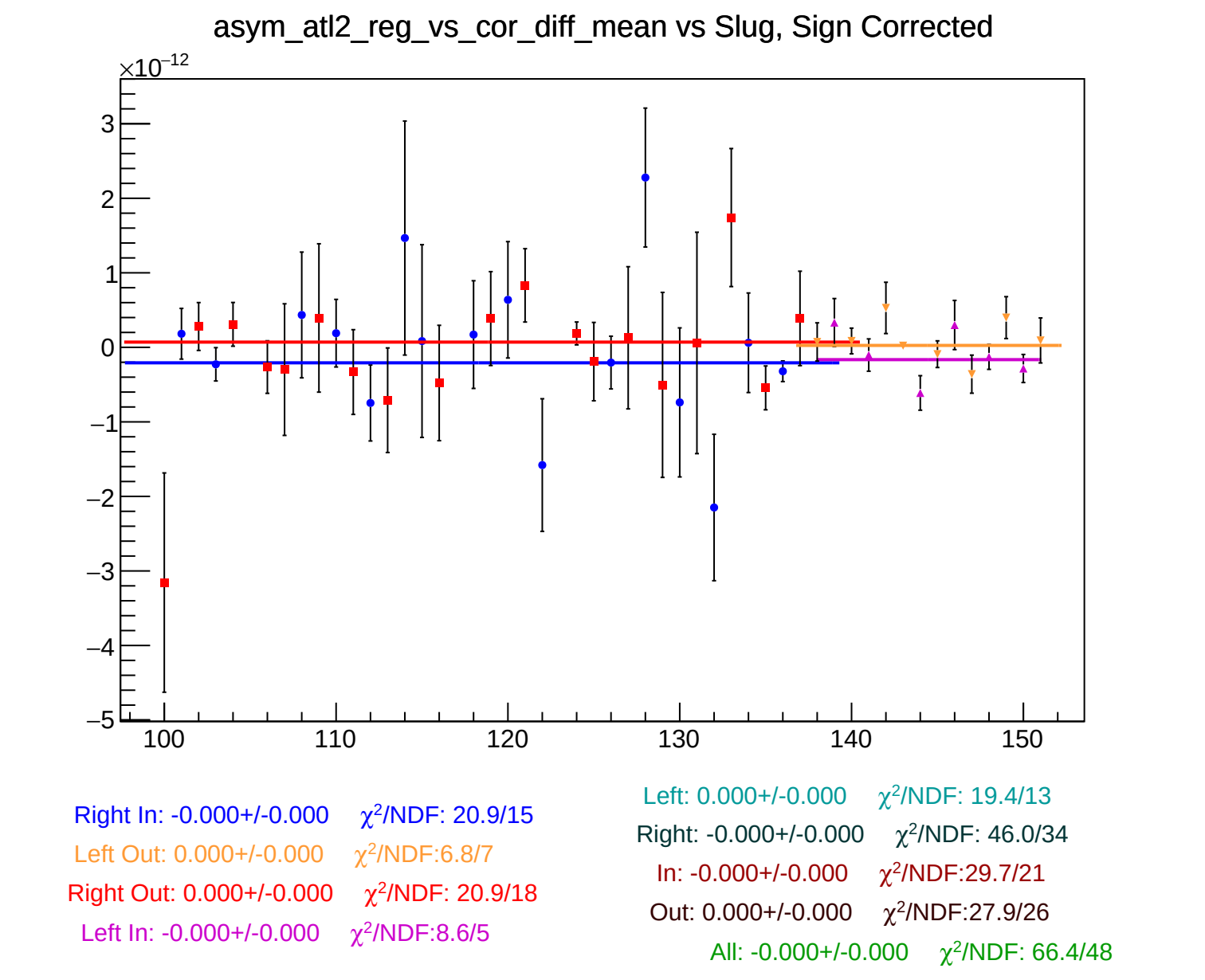
Left: 8199.521+/-1.744 χ^2/NDF: 699777.9/13

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7029.086+/-1.448 χ^2/NDF:1296550.2/21

Out: 6760.875+/-1.337 χ^2/NDF:1313618.8/26

All: 6884.227+/-0.982 χ^2/NDF: 2628690.1/48


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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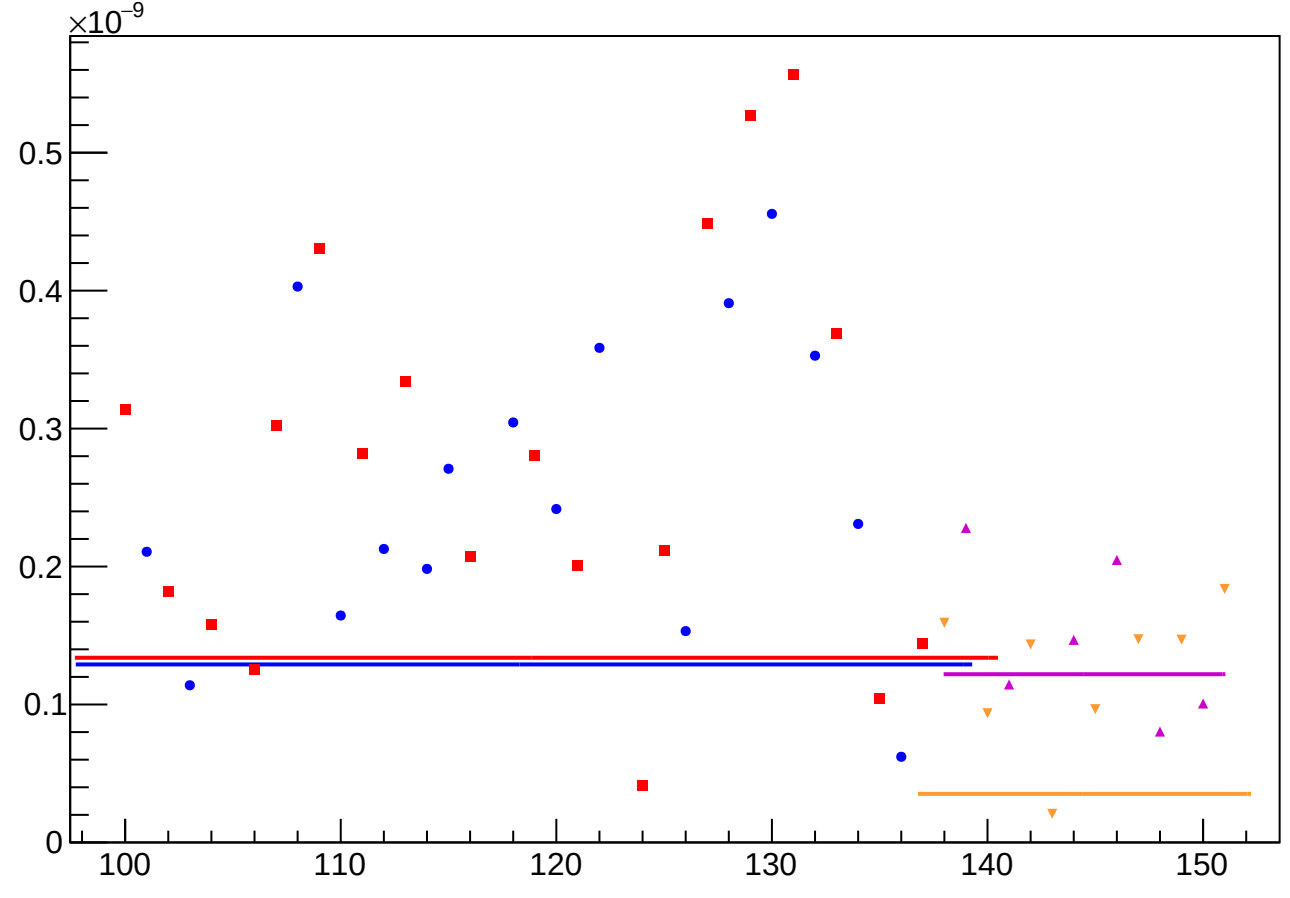
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: -0.000+/-0.000 χ²/NDF:8.6/5
Left: 0.000+/-0.000 χ²/NDF: 19.4/13
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:29.7/21
Out: 0.000+/-0.000 χ²/NDF:27.9/26
All: -0.000+/-0.000 χ²/NDF: 66.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2647846.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:517657.0/5

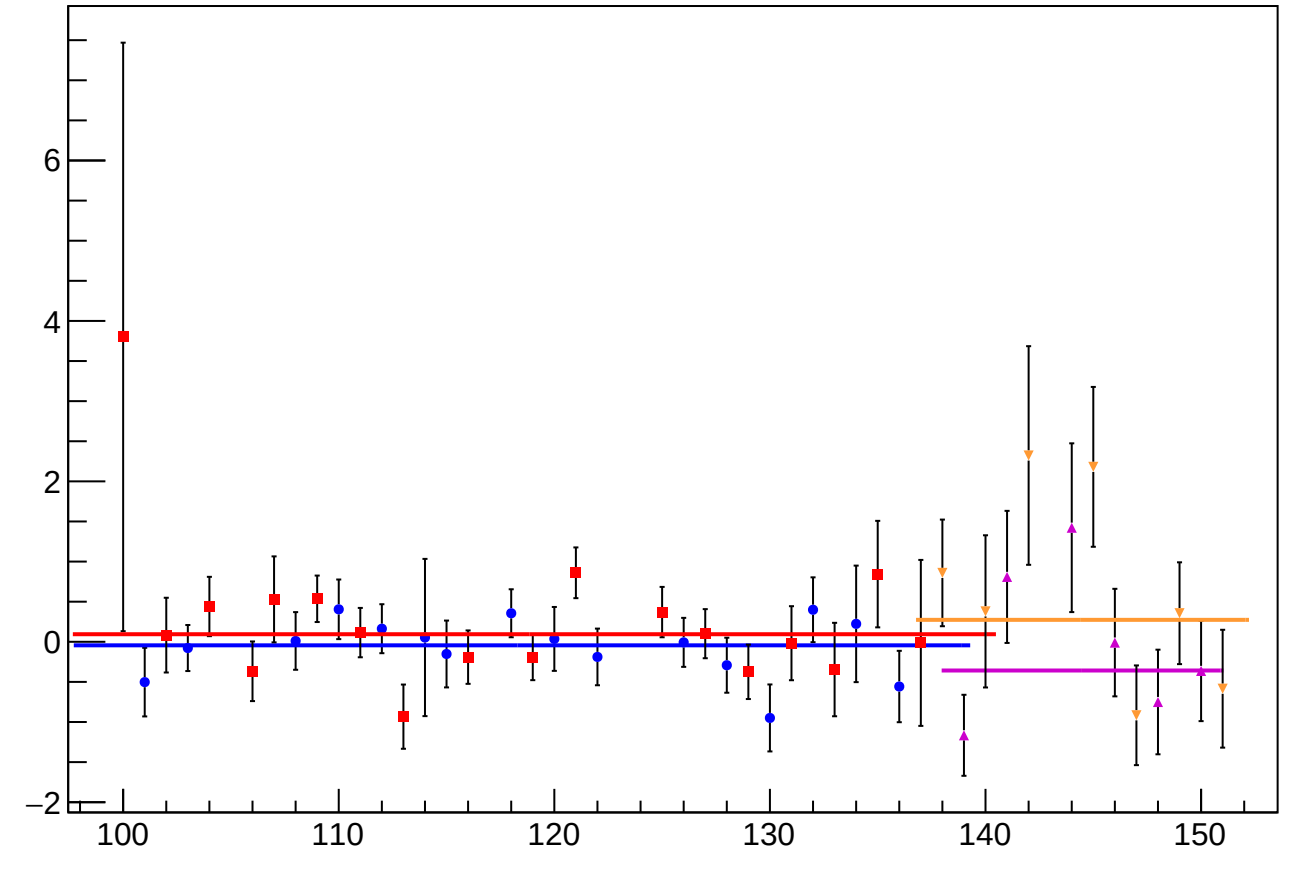
Left: 0.000+/-0.000 χ^2/NDF: 4795303.6/13

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2243808.3/21

Out: 0.000+/-0.000 χ^2/NDF:6850423.5/26

All: 0.000+/-0.000 χ^2/NDF: 11500586.4/48



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.358+/-0.273 χ^2/NDF:8.1/5

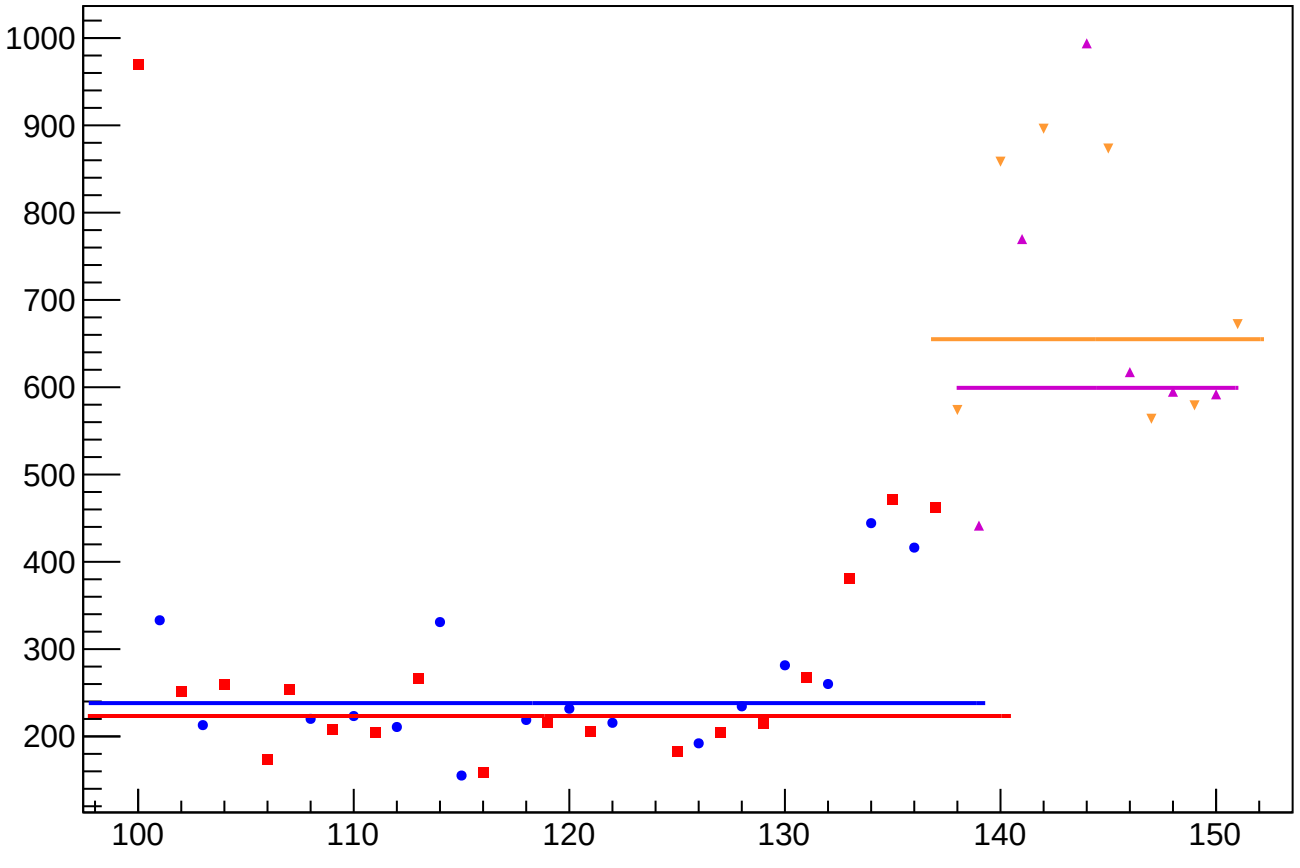
Left: -0.062+/-0.199 χ^2/NDF: 22.3/12

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.077+/-0.089 χ^2/NDF:22.3/21

Out: 0.110+/-0.086 χ^2/NDF:37.4/24

All: 0.019+/-0.062 χ^2/NDF: 62.0/46



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 655.029+/-0.205 χ^2/NDF:352992.6/6

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 599.301+/-0.193 χ^2/NDF:564388.6/5

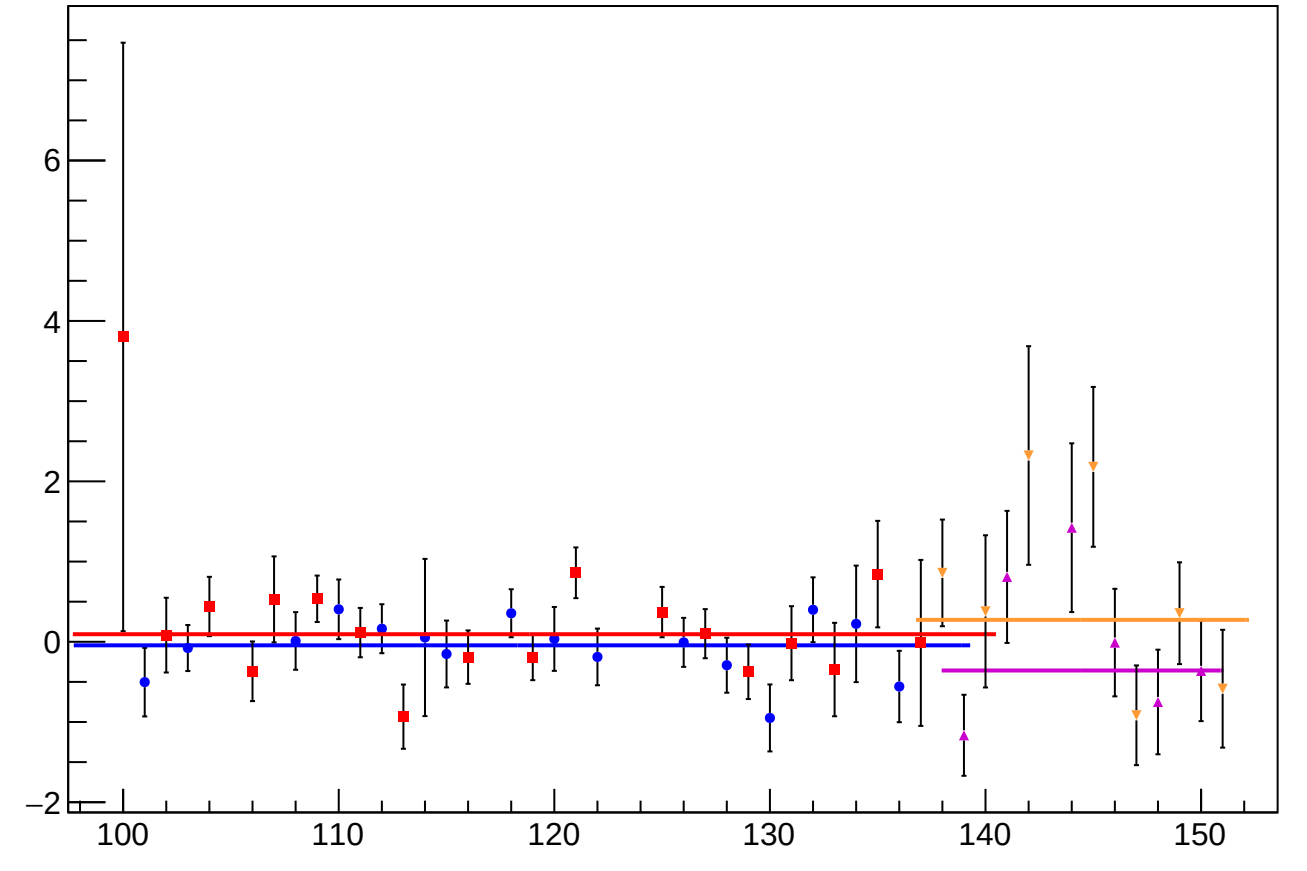
Left: 625.417+/-0.141 χ^2/NDF: 956476.1/12

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 276.331+/-0.063 χ^2/NDF:4504785.0/21

Out: 261.203+/-0.061 χ^2/NDF:5242575.7/24

All: 268.533+/-0.044 χ^2/NDF: 9777348.0/46



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.274+/-0.291 χ^2/NDF:11.8/6

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.358+/-0.273 χ^2/NDF:8.1/5

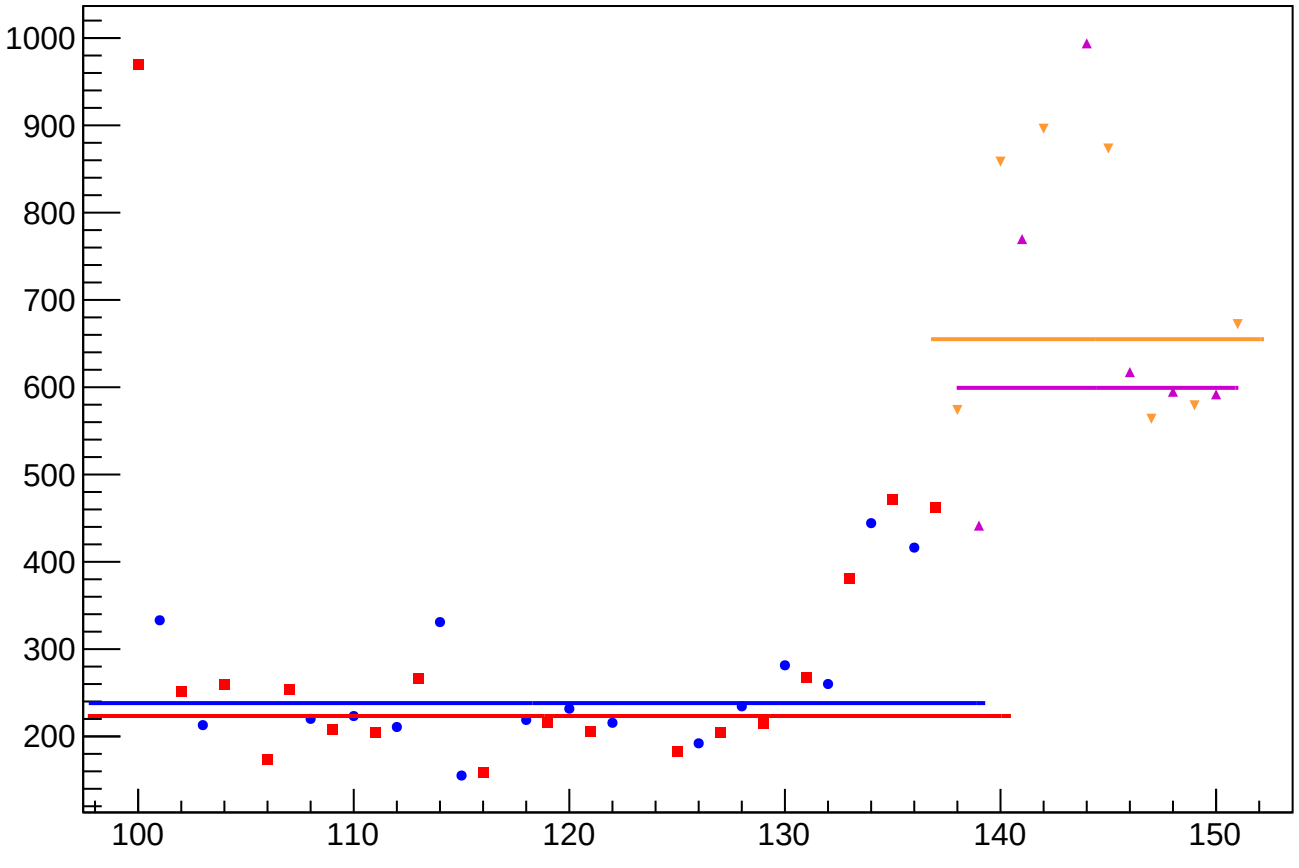
Left: -0.062+/-0.199 χ^2/NDF: 22.3/12

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.077+/-0.089 χ^2/NDF:22.3/21

Out: 0.110+/-0.086 χ^2/NDF:37.4/24

All: 0.019+/-0.062 χ^2/NDF: 62.0/46



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 655.029+/-0.205 χ^2/NDF:352992.6/6

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 599.301+/-0.193 χ^2/NDF:564388.6/5

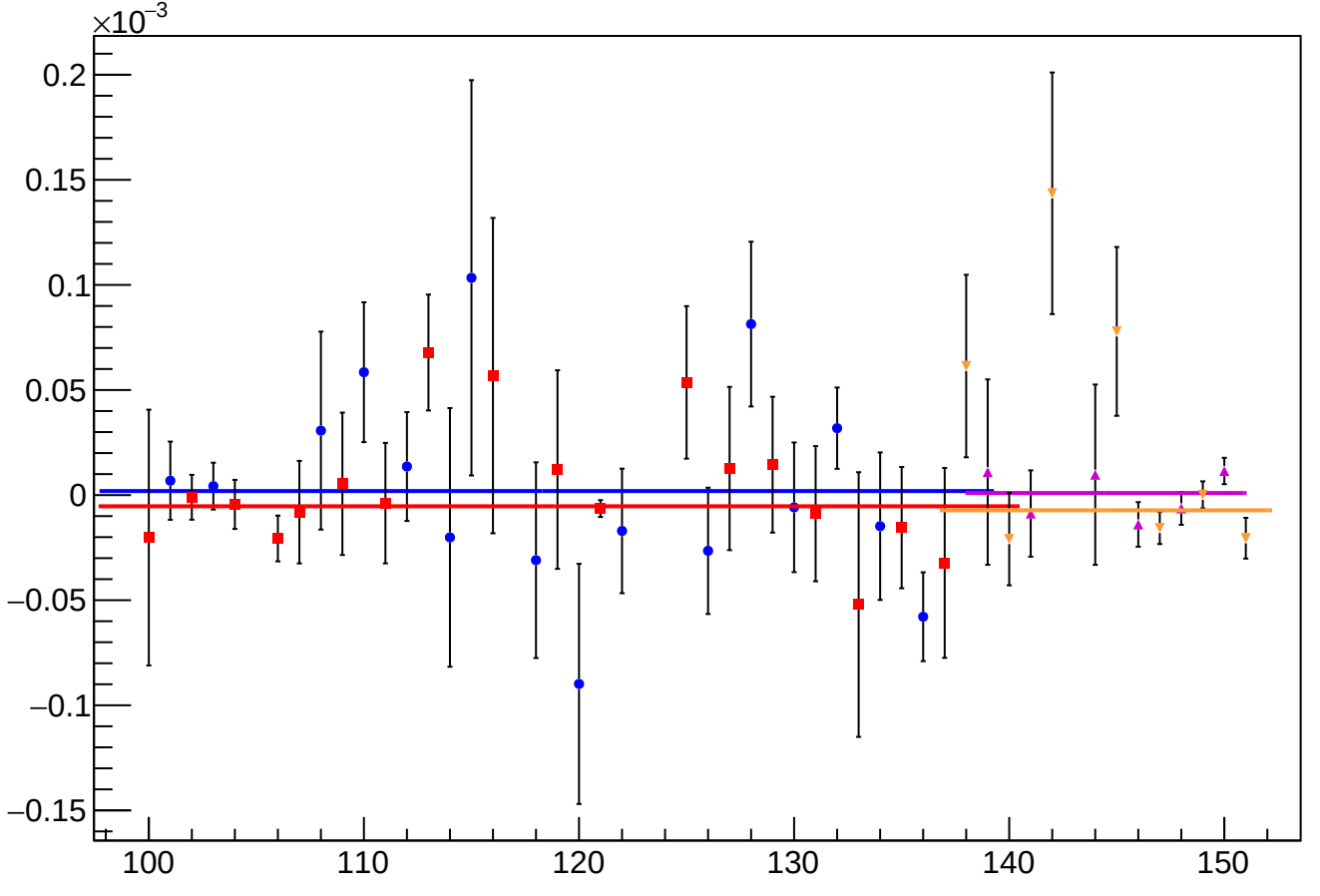
Left: 625.417+/-0.141 χ^2/NDF: 956476.1/12

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 276.331+/-0.063 χ^2/NDF:4504785.0/21

Out: 261.203+/-0.061 χ^2/NDF:5242575.7/24

All: 268.533+/-0.044 χ^2/NDF: 9777348.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/6

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

Left In: 0.000+/-0.000 χ^2/NDF:6.0/5

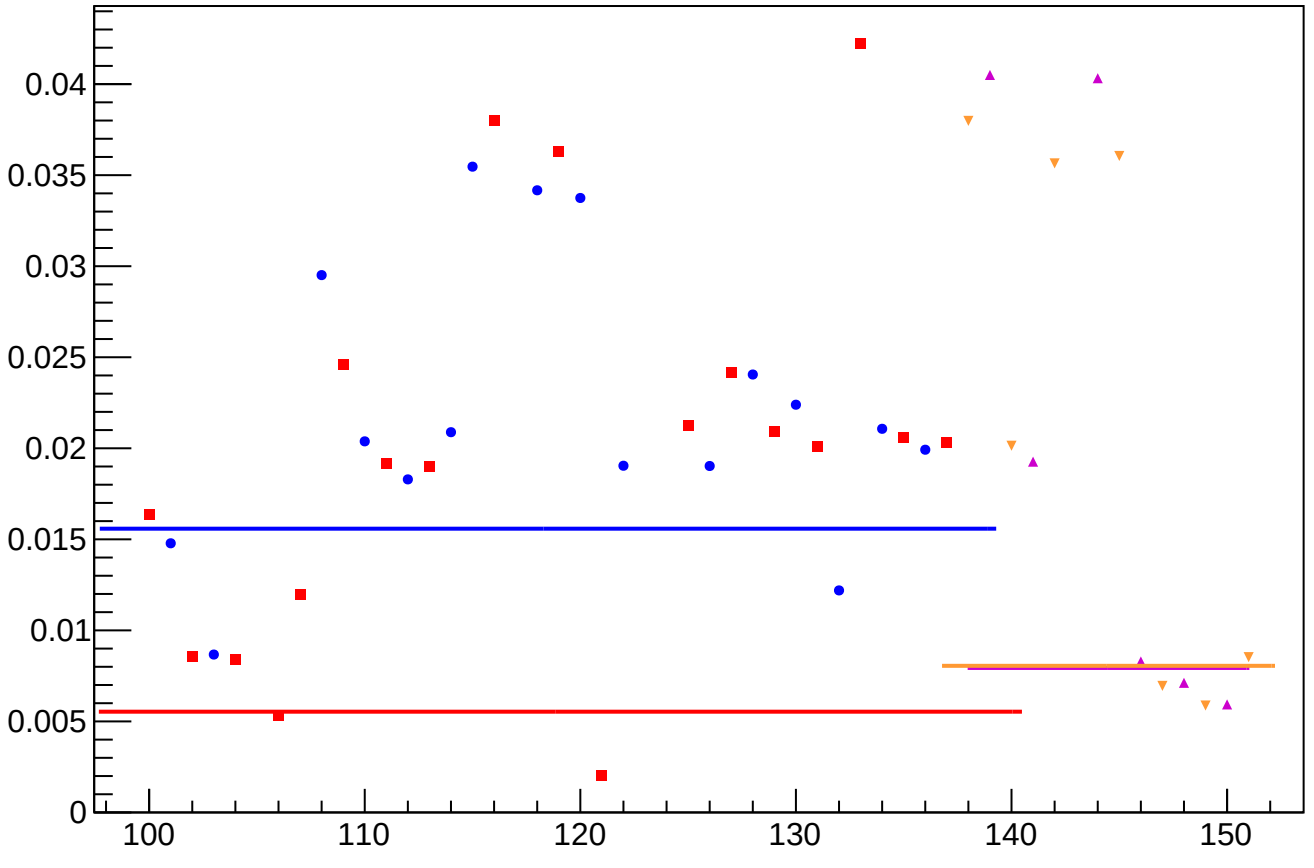
Left: -0.000+/-0.000 χ^2/NDF: 26.5/12

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:30.0/21

Out: -0.000+/-0.000 χ^2/NDF:33.3/24

All: -0.000+/-0.000 χ^2/NDF: 66.1/46



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:3262602.1/6

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.008+/-0.000 χ^2/NDF:3067154.2/5

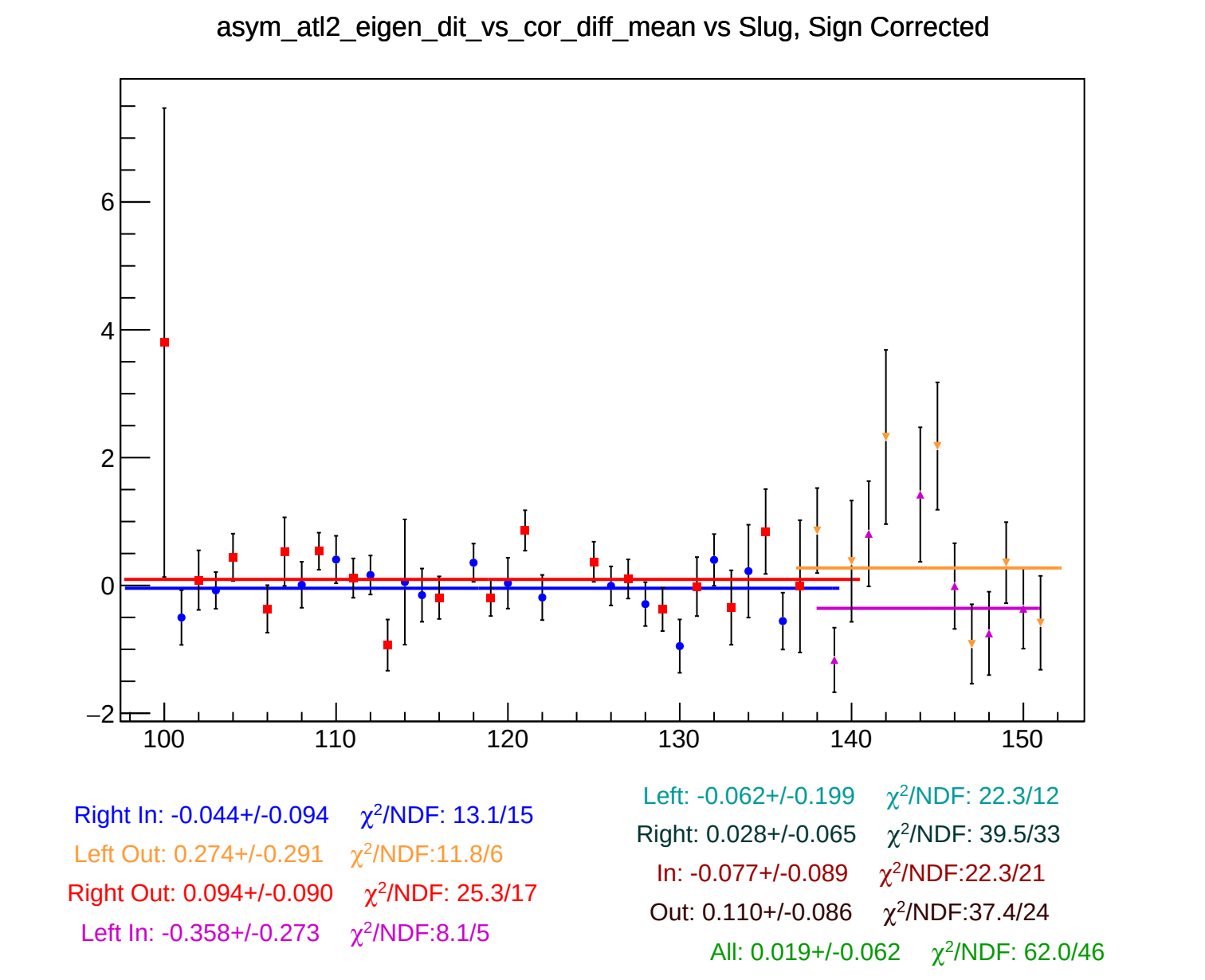
Left: 0.008+/-0.000 χ^2/NDF: 6330507.1/12

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.010+/-0.000 χ^2/NDF:7121551.6/21

Out: 0.006+/-0.000 χ^2/NDF:11666490.3/24

All: 0.008+/-0.000 χ^2/NDF: 20352553.7/46


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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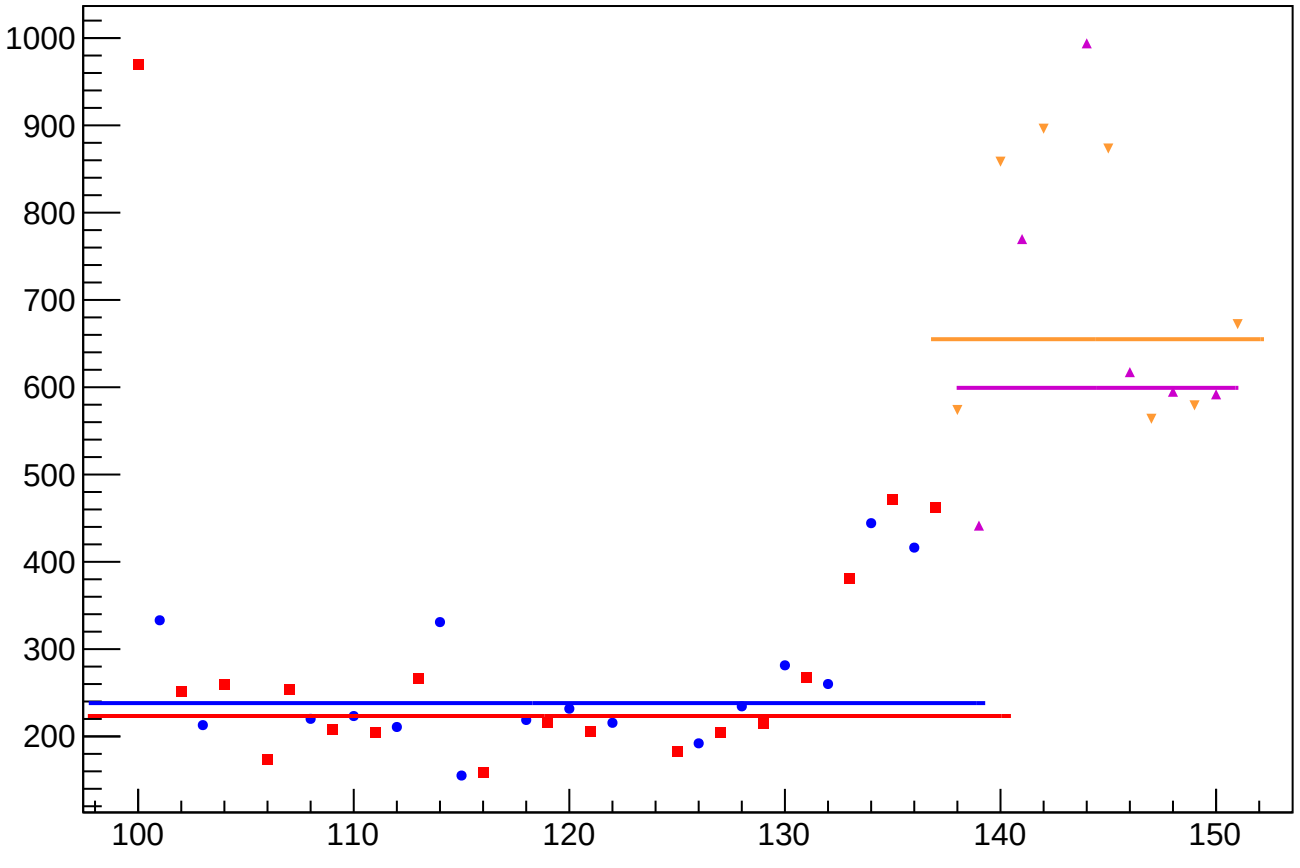
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 0.274+/-0.291 χ²/NDF:11.8/6
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.358+/-0.273 χ²/NDF:8.1/5
Left: -0.062+/-0.199 χ²/NDF: 22.3/12
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.077+/-0.089 χ²/NDF:22.3/21
Out: 0.110+/-0.086 χ²/NDF:37.4/24
All: 0.019+/-0.062 χ²/NDF: 62.0/46



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 655.033+/-0.205 χ^2/NDF:353021.6/6

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 599.309+/-0.193 χ^2/NDF:564367.9/5

Left: 625.423+/-0.141 χ^2/NDF: 956477.8/12

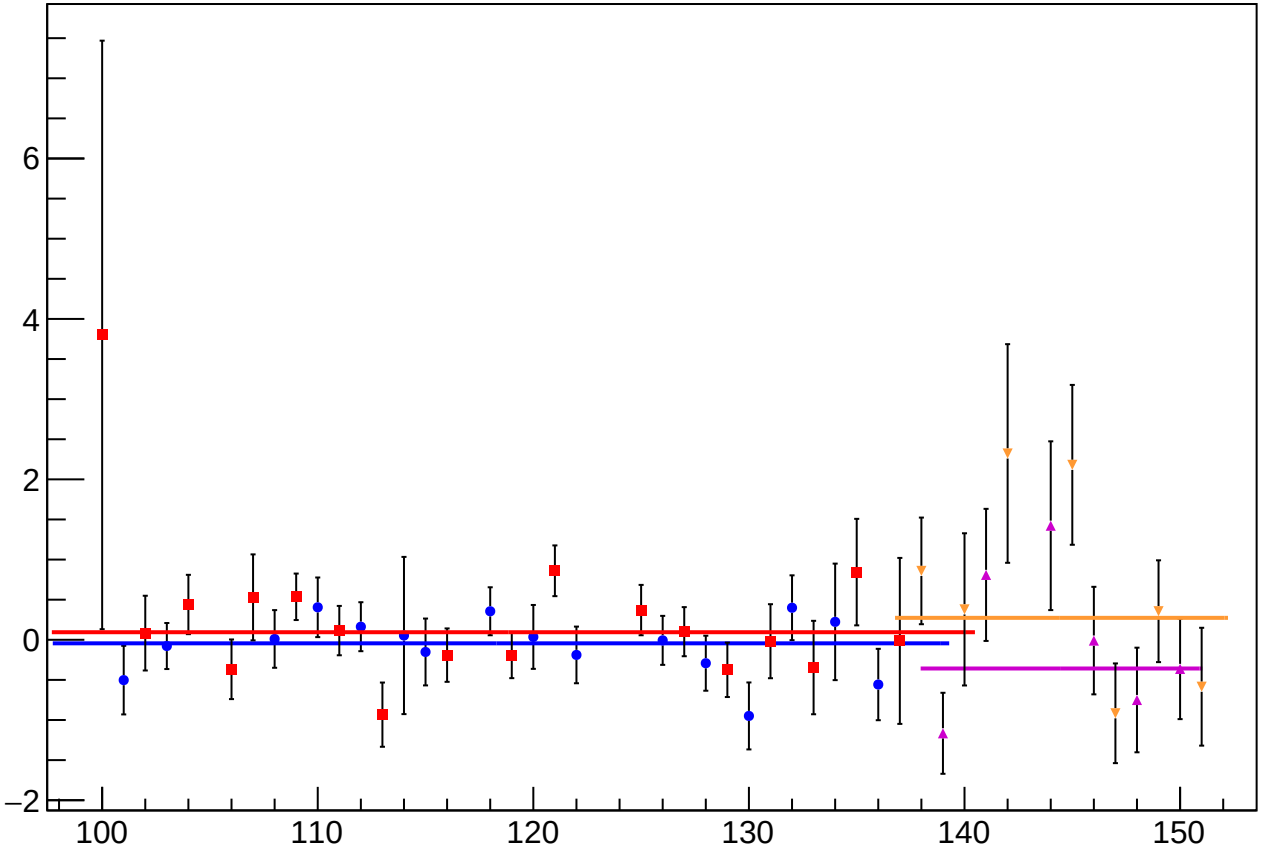
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 276.332+/-0.063 χ^2/NDF:4504784.4/21

Out: 261.204+/-0.061 χ^2/NDF:5242535.6/24

All: 268.534+/-0.044 χ^2/NDF: 9777304.0/46

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: 0.274+/-0.291 χ^2/NDF:11.8/6

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.358+/-0.273 χ^2/NDF:8.1/5

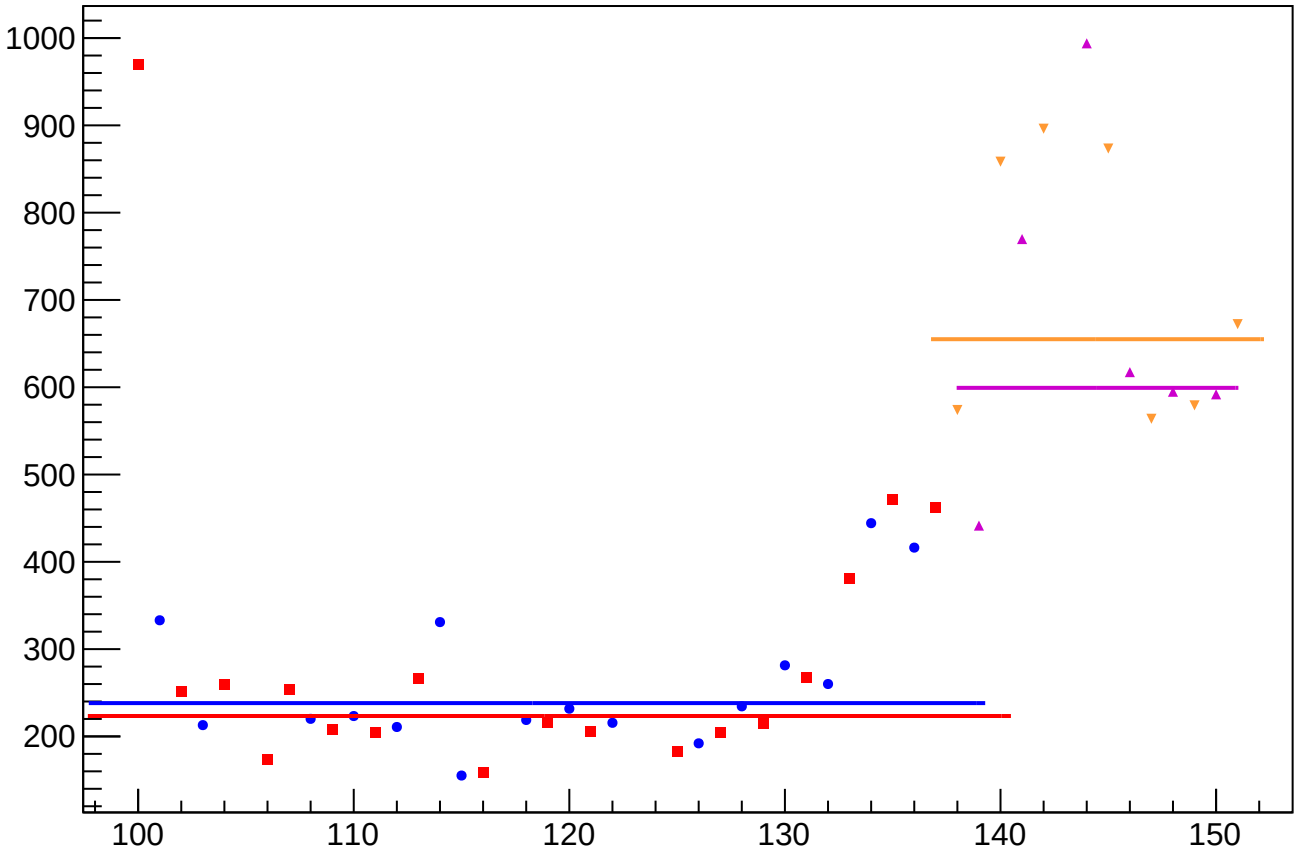
Left: -0.062+/-0.199 χ^2/NDF: 22.3/12

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.077+/-0.089 χ^2/NDF:22.3/21

Out: 0.110+/-0.086 χ^2/NDF:37.4/24

All: 0.019+/-0.062 χ^2/NDF: 62.0/46


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
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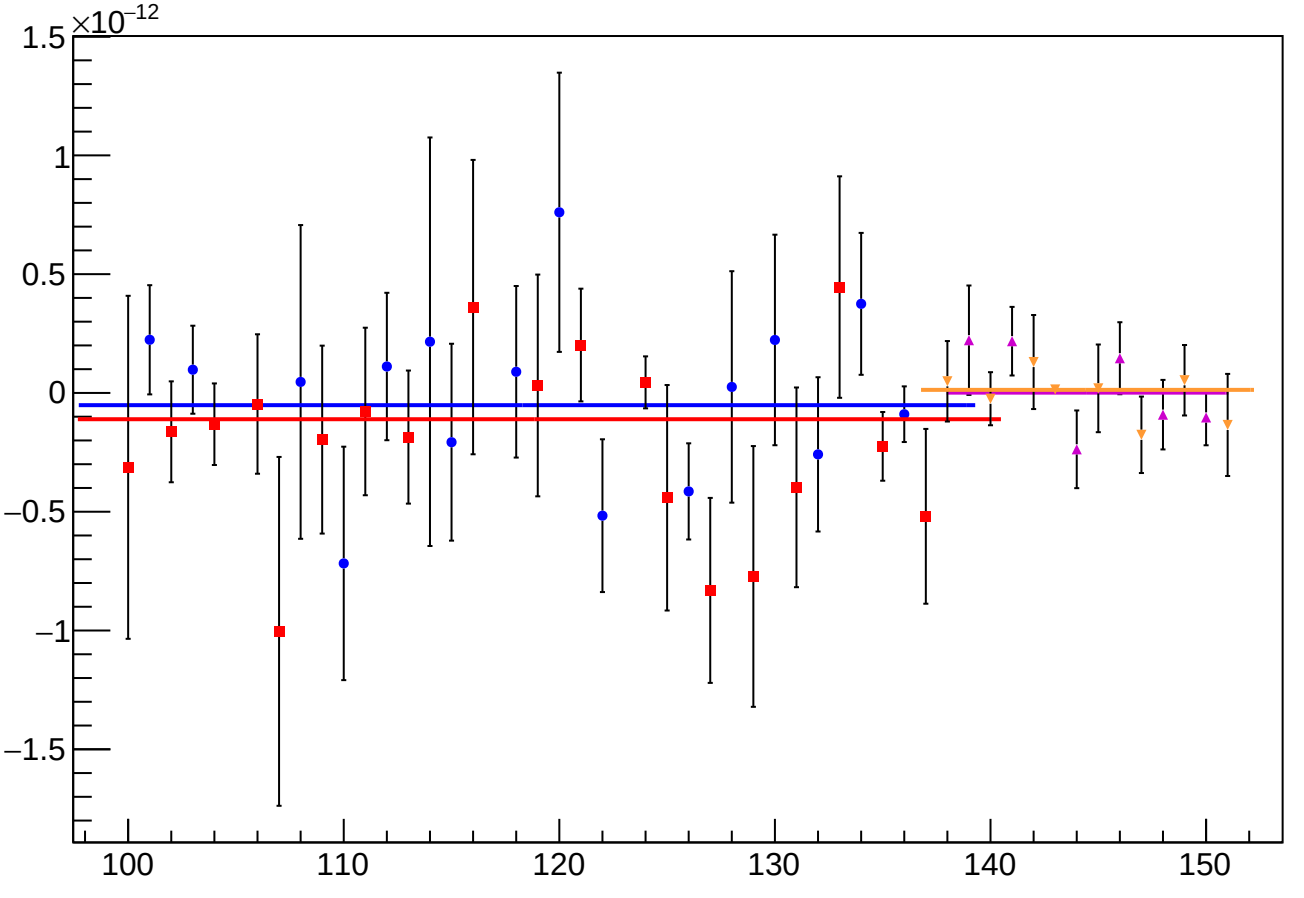
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 655.033+/-0.205 χ²/NDF:353021.6/6
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 599.309+/-0.193 χ²/NDF:564367.9/5
Left: 625.423+/-0.141 χ²/NDF: 956477.8/12
Right: 230.475+/-0.046 χ²/NDF: 1695367.2/33
In: 276.332+/-0.063 χ²/NDF:4504784.4/21
Out: 261.204+/-0.061 χ²/NDF:5242535.6/24
All: 268.534+/-0.044 χ²/NDF: 9777304.0/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/5

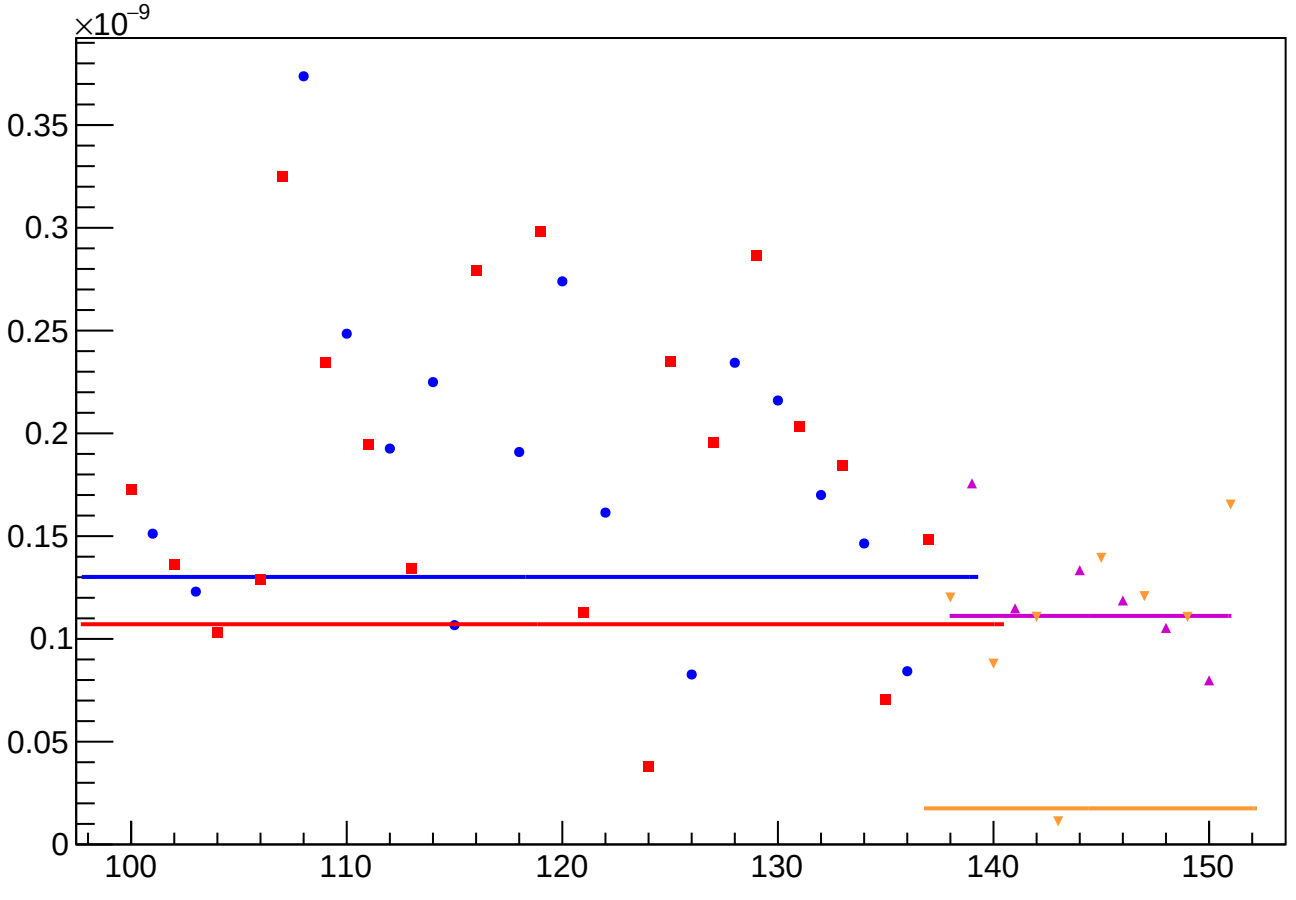
Left: 0.000+/-0.000 χ^2/NDF: 9.9/13

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:22.5/21

Out: 0.000+/-0.000 χ^2/NDF:21.9/26

All: 0.000+/-0.000 χ^2/NDF: 44.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5736144.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:346263.2/5

Left: 0.000+/-0.000 χ^2/NDF: 10503807.1/13

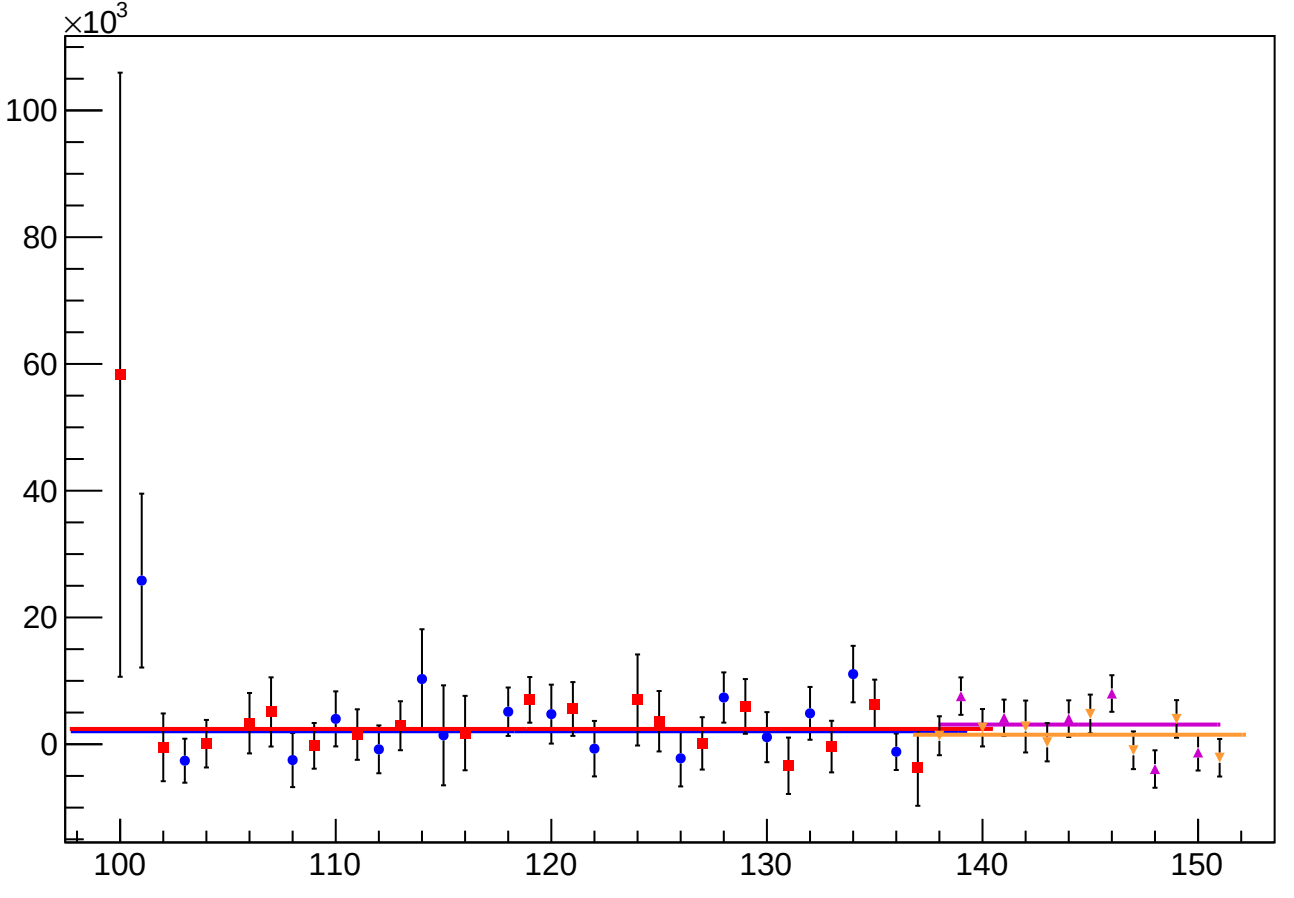
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:1767208.6/21

Out: 0.000+/-0.000 χ^2/NDF:12721224.9/26

All: 0.000+/-0.000 χ^2/NDF: 22764664.8/48

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1501.004+/-1092.136 χ^2/NDF:4.4/7

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 3103.015+/-1184.012 χ^2/NDF:13.5/5

Left: 2237.451+/-802.775 χ^2/NDF: 18.9/13

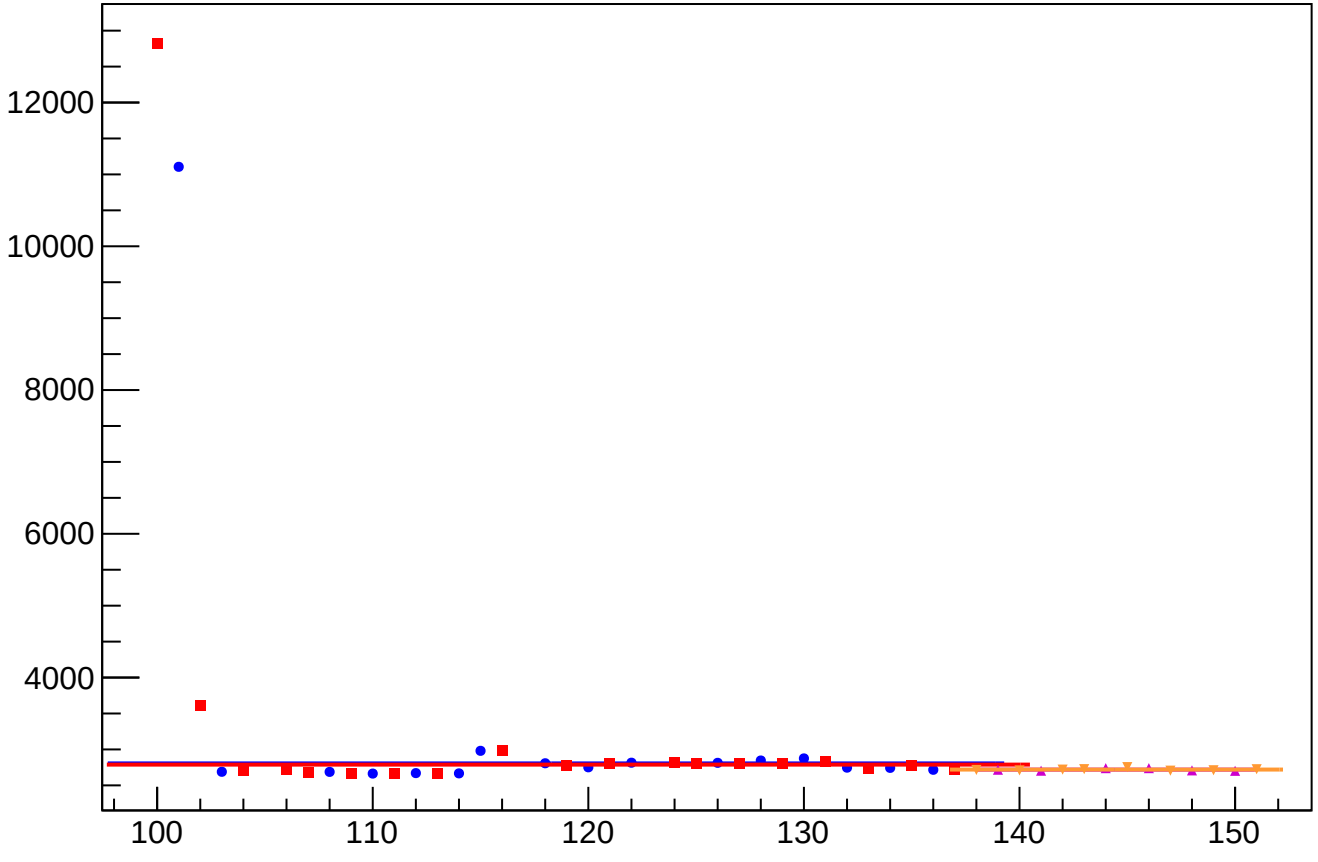
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2523.294+/-794.021 χ^2/NDF:31.7/21

Out: 1980.673+/-751.423 χ^2/NDF:15.6/26

All: 2237.038+/-545.774 χ^2/NDF: 47.5/48

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2719.862+/-0.772 χ^2/NDF:370.0/7

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2718.773+/-0.837 χ^2/NDF:349.2/5

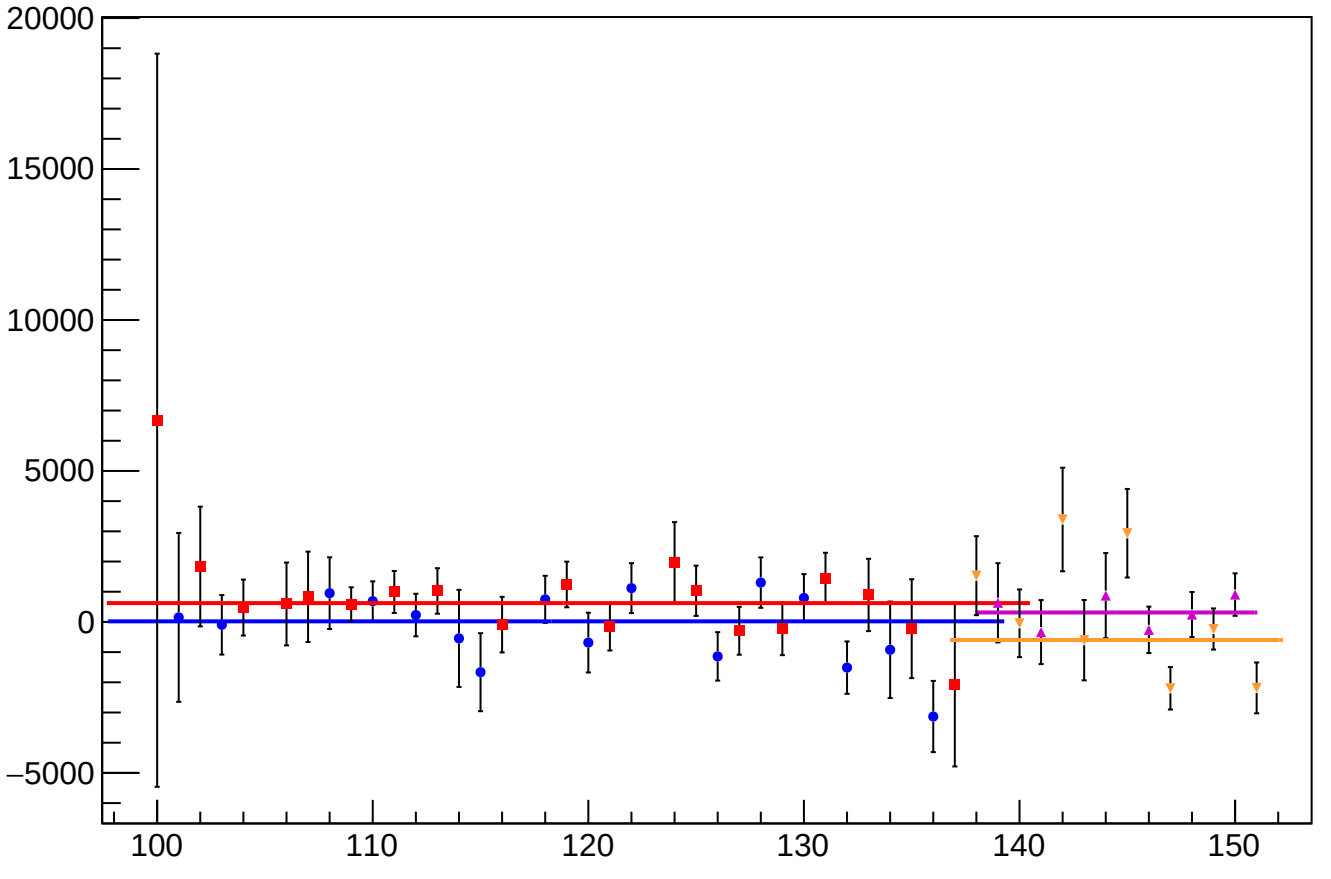
Left: 2719.361+/-0.568 χ^2/NDF: 720.1/13

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2766.466+/-0.561 χ^2/NDF:752487.2/21

Out: 2756.176+/-0.531 χ^2/NDF:151567.3/26

All: 2761.038+/-0.386 χ^2/NDF: 904231.7/48



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -598.878+/-346.328 χ^2/NDF:23.1/7

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 312.218+/-365.496 χ^2/NDF:1.9/5

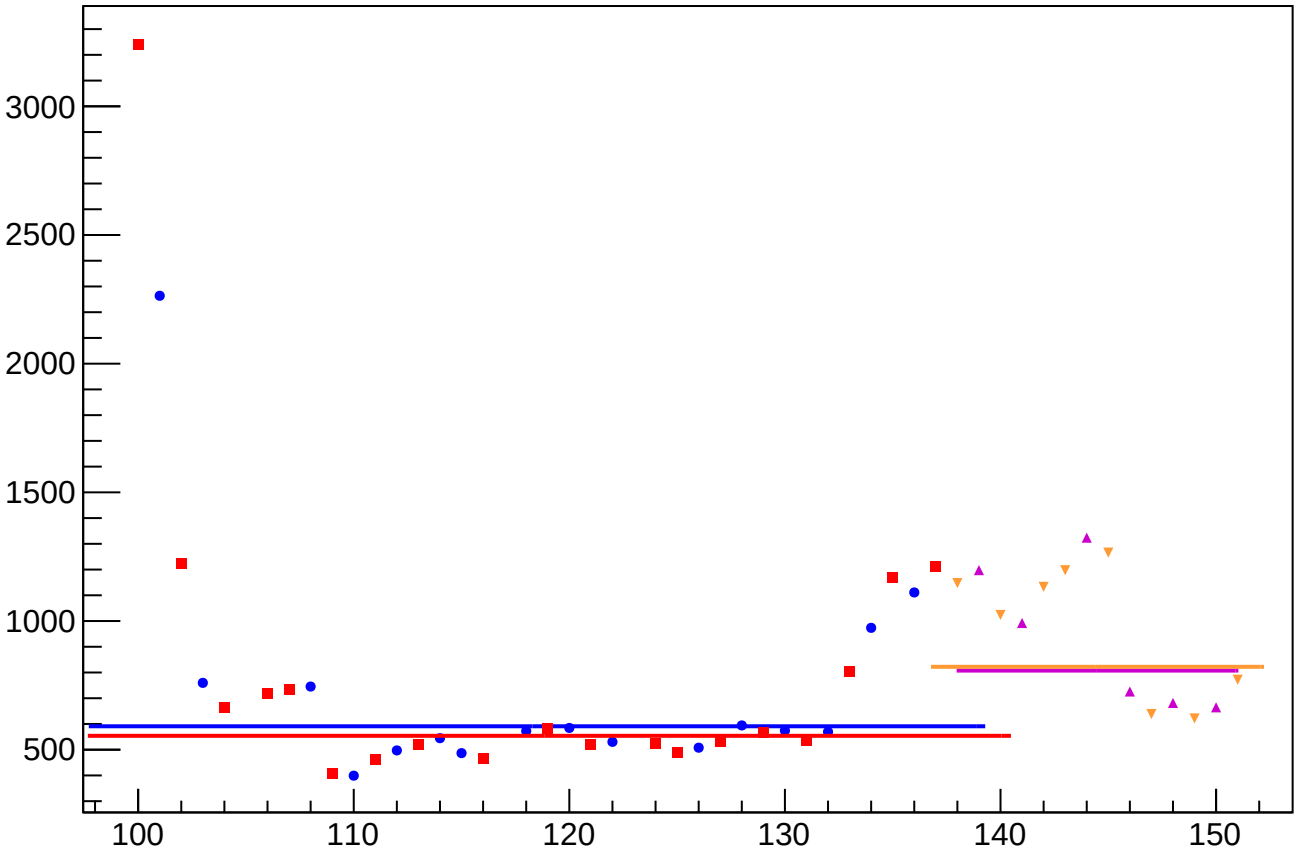
Left: -167.846+/-251.394 χ^2/NDF: 28.3/13

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 103.965+/-196.762 χ^2/NDF:25.1/21

Out: 281.010+/-183.244 χ^2/NDF:41.4/26

All: 198.777+/-134.098 χ^2/NDF: 66.9/48



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 822.109+/-0.245 χ^2/NDF:913078.4/7

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 807.446+/-0.258 χ^2/NDF:668262.0/5

Left: 815.172+/-0.178 χ^2/NDF: 1583036.6/13

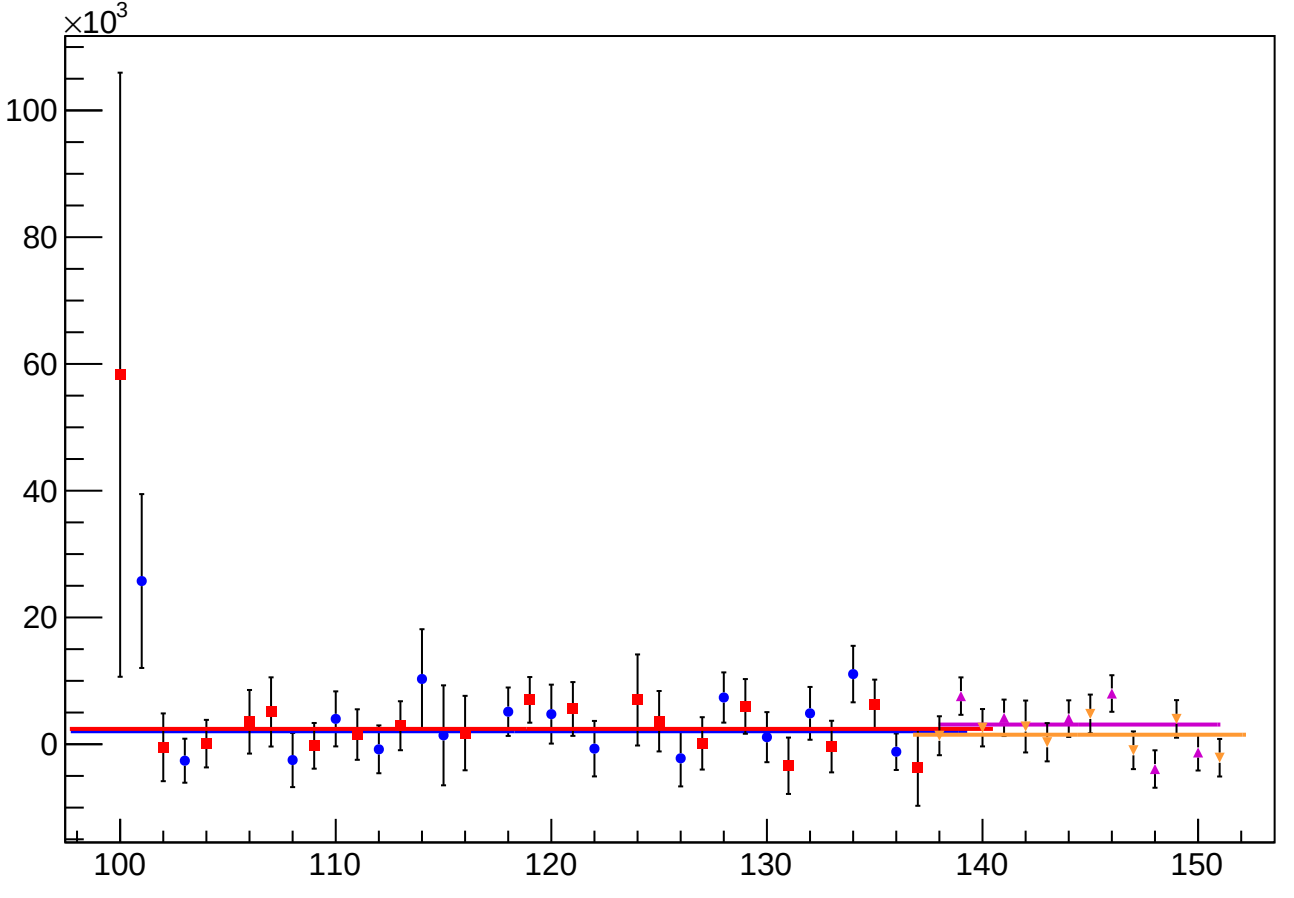
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 653.758+/-0.139 χ^2/NDF:2733858.2/21

Out: 629.045+/-0.130 χ^2/NDF:2893166.4/26

All: 640.523+/-0.095 χ^2/NDF: 5643920.9/48

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1501.091+/-1092.136 χ^2/NDF:4.4/7

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3103.295+/-1184.012 χ^2/NDF:13.5/5

Left: 2237.626+/-802.775 χ^2/NDF: 18.9/13

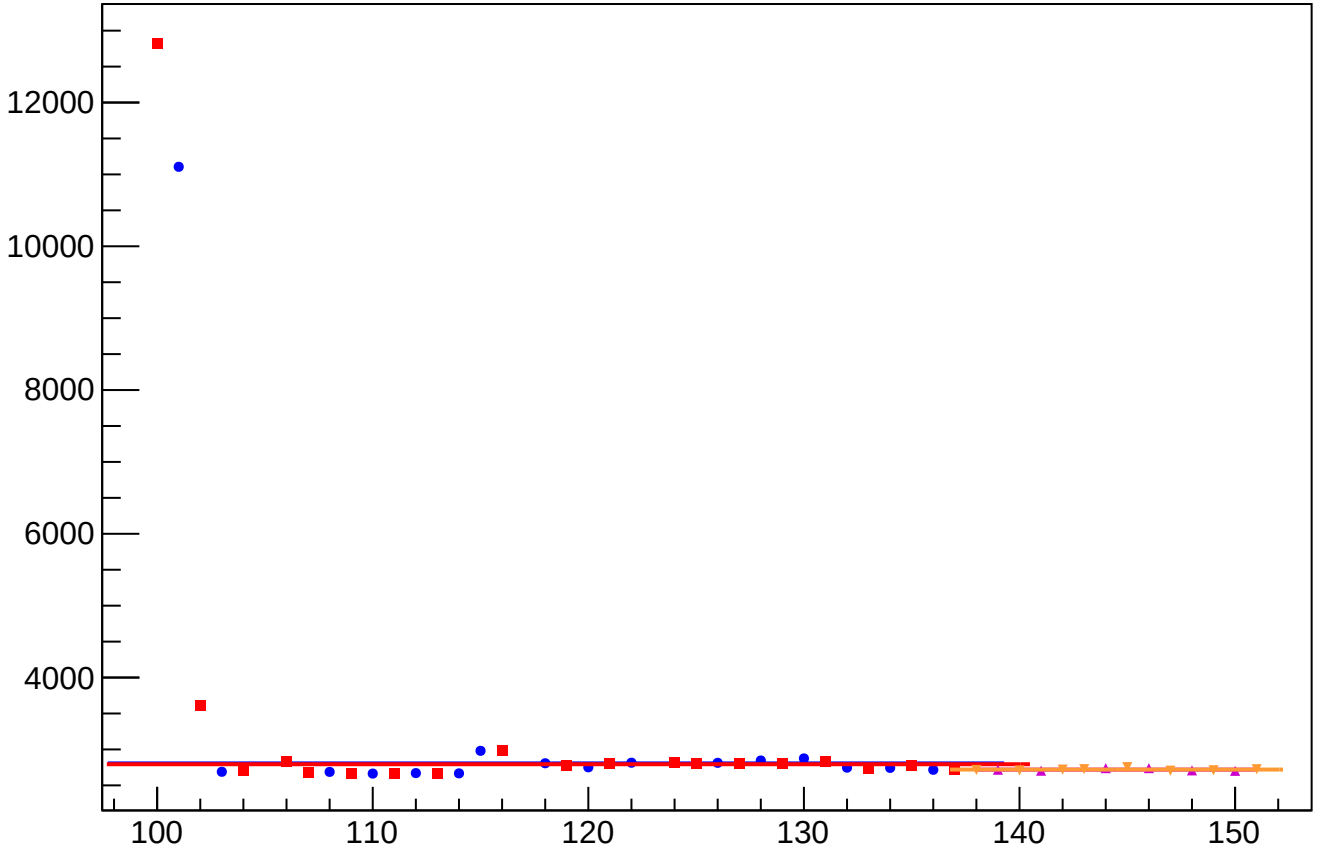
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2522.977+/-794.021 χ^2/NDF:31.7/21

Out: 1982.849+/-752.332 χ^2/NDF:15.6/26

All: 2238.362+/-546.123 χ^2/NDF: 47.5/48

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.862+/-0.772 χ^2/NDF:370.0/7

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2718.773+/-0.837 χ^2/NDF:349.2/5

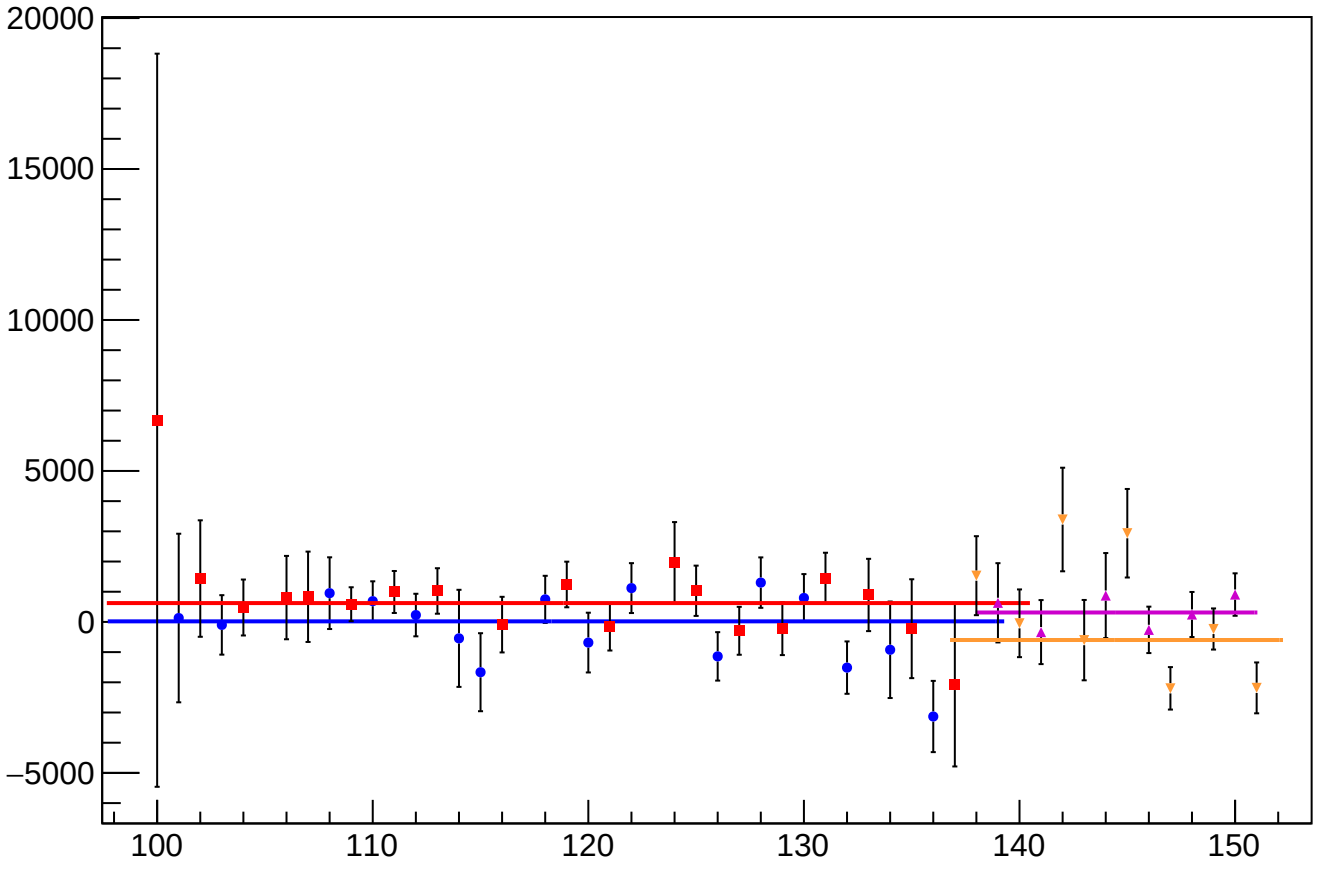
Left: 2719.361+/-0.568 χ^2/NDF: 720.1/13

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2766.466+/-0.561 χ^2/NDF:752486.3/21

Out: 2758.902+/-0.532 χ^2/NDF:151977.7/26

All: 2762.480+/-0.386 χ^2/NDF: 904559.7/48



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -598.830+/-346.326 χ^2/NDF:23.1/7

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 312.358+/-365.497 χ^2/NDF:1.9/5

Left: -167.759+/-251.394 χ^2/NDF: 28.3/13

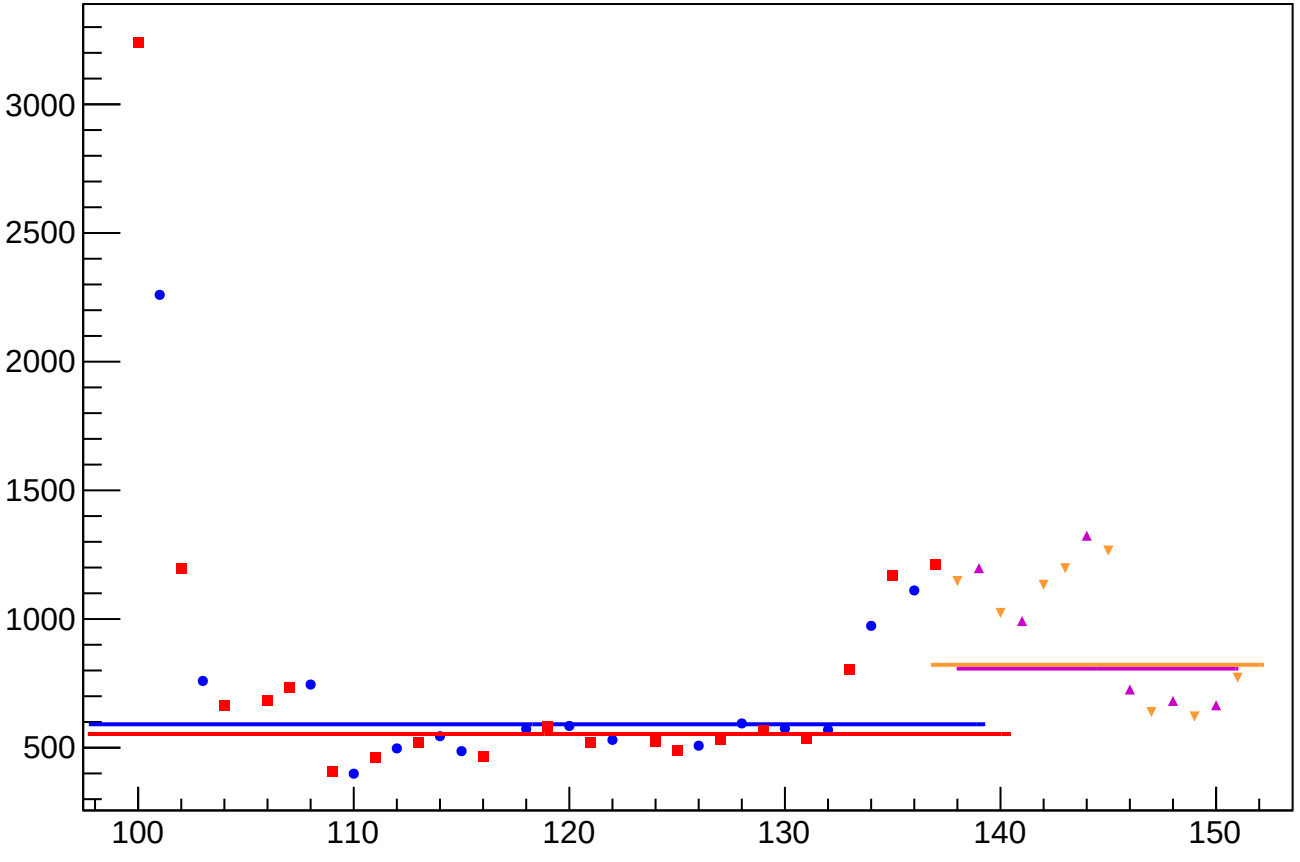
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 103.970+/-196.755 χ^2/NDF:25.1/21

Out: 281.925+/-183.215 χ^2/NDF:41.2/26

All: 199.281+/-134.084 χ^2/NDF: 66.7/48

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 822.102+/-0.245 χ^2/NDF:913085.7/7

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 807.447+/-0.258 χ^2/NDF:668252.1/5

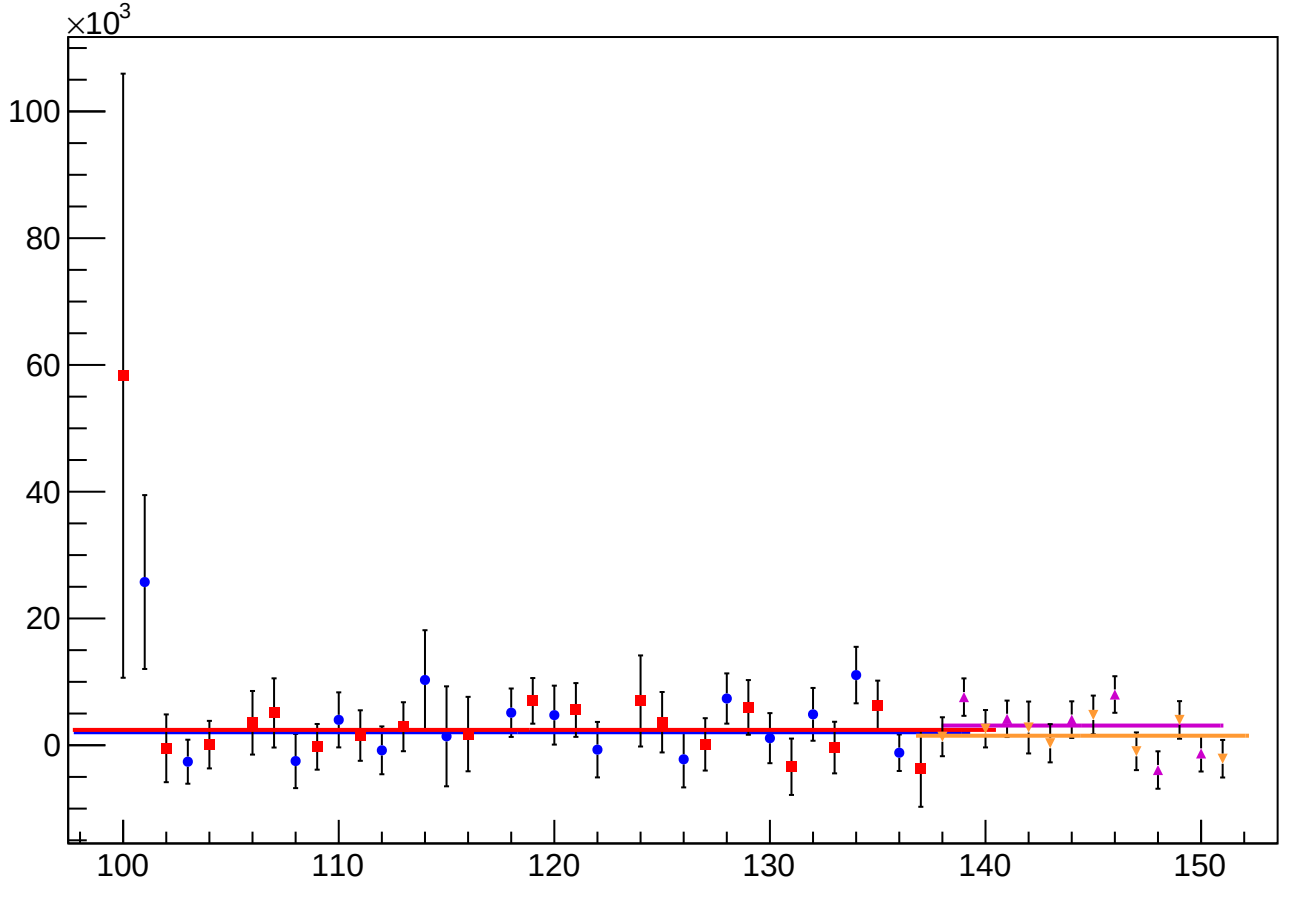
Left: 815.169+/-0.178 χ^2/NDF: 1583031.9/13

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 653.752+/-0.139 χ^2/NDF:2732846.5/21

Out: 628.481+/-0.130 χ^2/NDF:2882802.8/26

All: 640.217+/-0.095 χ^2/NDF: 5633321.1/48



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 1501.091+/-1092.136 χ^2/NDF:4.4/7

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3103.295+/-1184.012 χ^2/NDF:13.5/5

Left: 2237.626+/-802.775 χ^2/NDF: 18.9/13

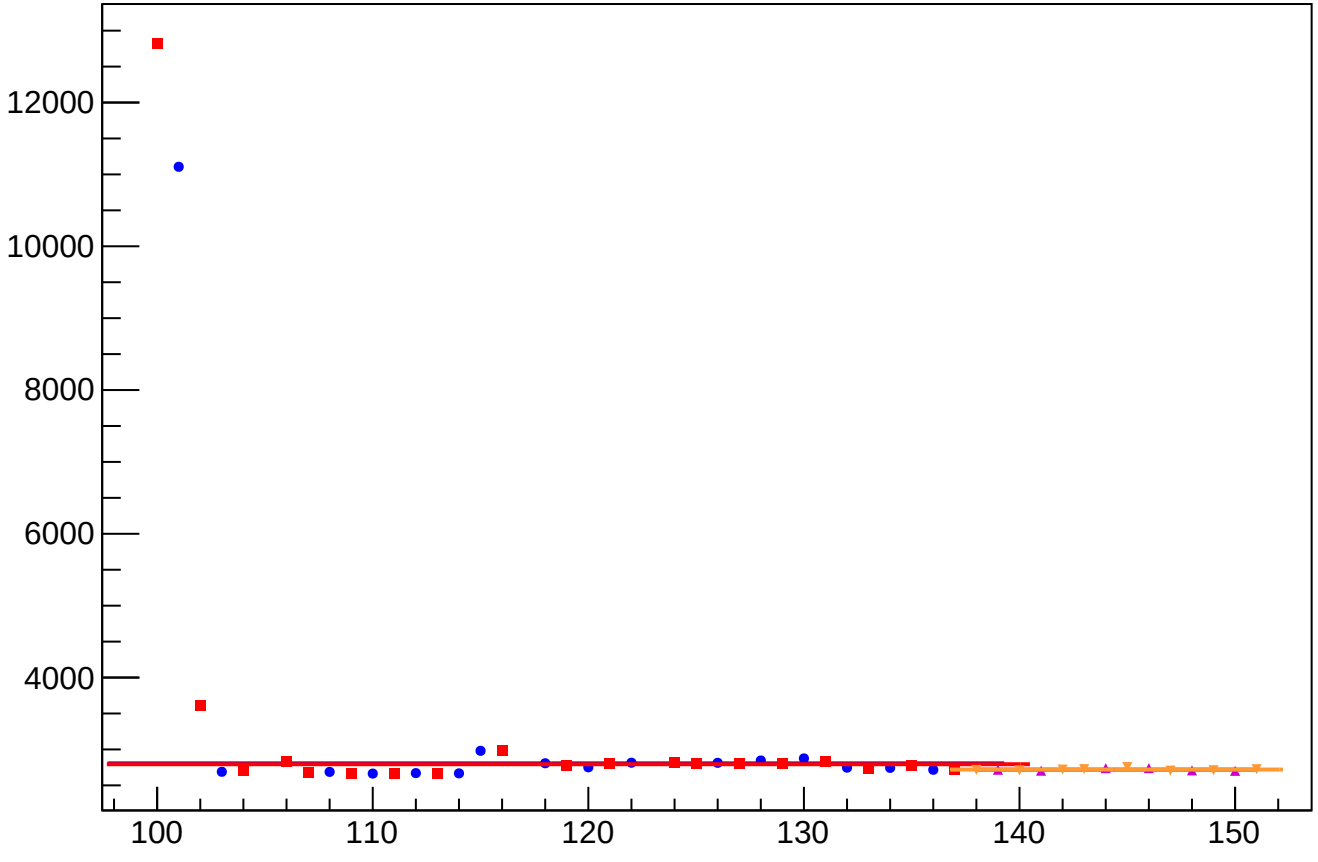
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2522.977+/-794.021 χ^2/NDF:31.7/21

Out: 1982.849+/-752.332 χ^2/NDF:15.6/26

All: 2238.362+/-546.123 χ^2/NDF: 47.5/48

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.862+/-0.772 χ^2/NDF:370.0/7

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2718.773+/-0.837 χ^2/NDF:349.2/5

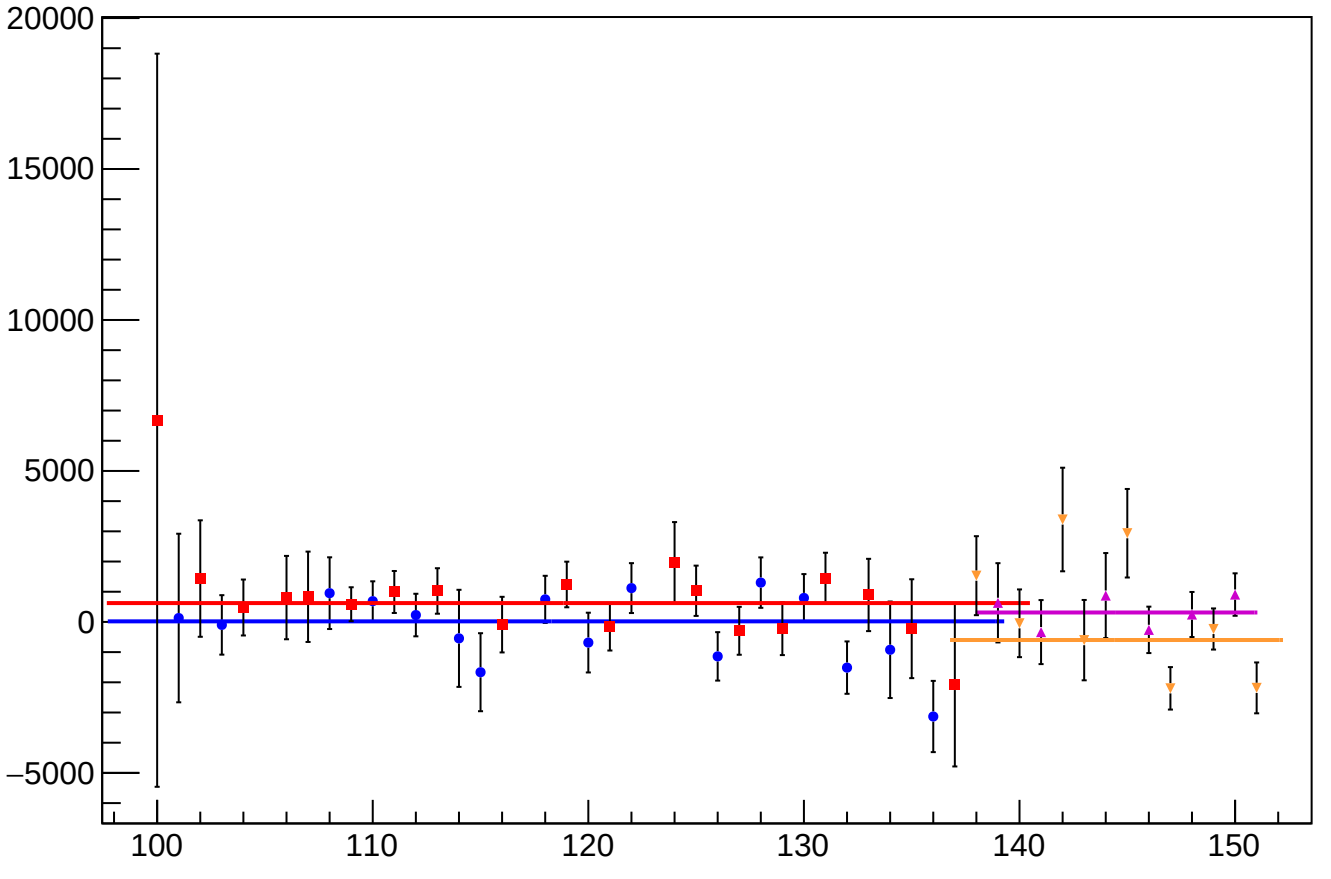
Left: 2719.361+/-0.568 χ^2/NDF: 720.1/13

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2766.466+/-0.561 χ^2/NDF:752486.3/21

Out: 2758.902+/-0.532 χ^2/NDF:151977.7/26

All: 2762.480+/-0.386 χ^2/NDF: 904559.7/48



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -598.830+/-346.326 χ^2/NDF:23.1/7

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 312.358+/-365.497 χ^2/NDF:1.9/5

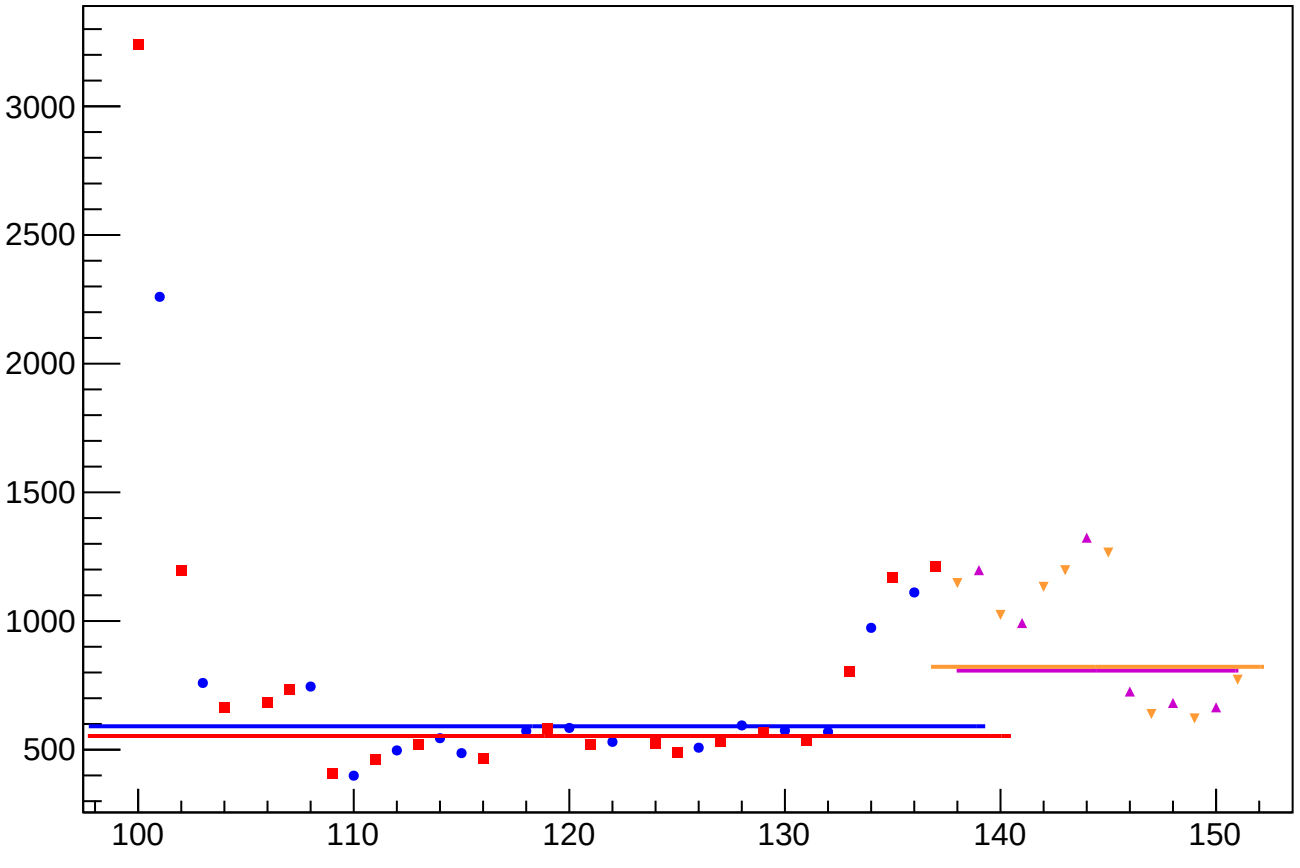
Left: -167.759+/-251.394 χ^2/NDF: 28.3/13

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 103.970+/-196.755 χ^2/NDF:25.1/21

Out: 281.925+/-183.215 χ^2/NDF:41.2/26

All: 199.281+/-134.084 χ^2/NDF: 66.7/48



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 822.102+/-0.245 χ^2/NDF:913085.7/7

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 807.447+/-0.258 χ^2/NDF:668252.1/5

Left: 815.169+/-0.178 χ^2/NDF: 1583031.9/13

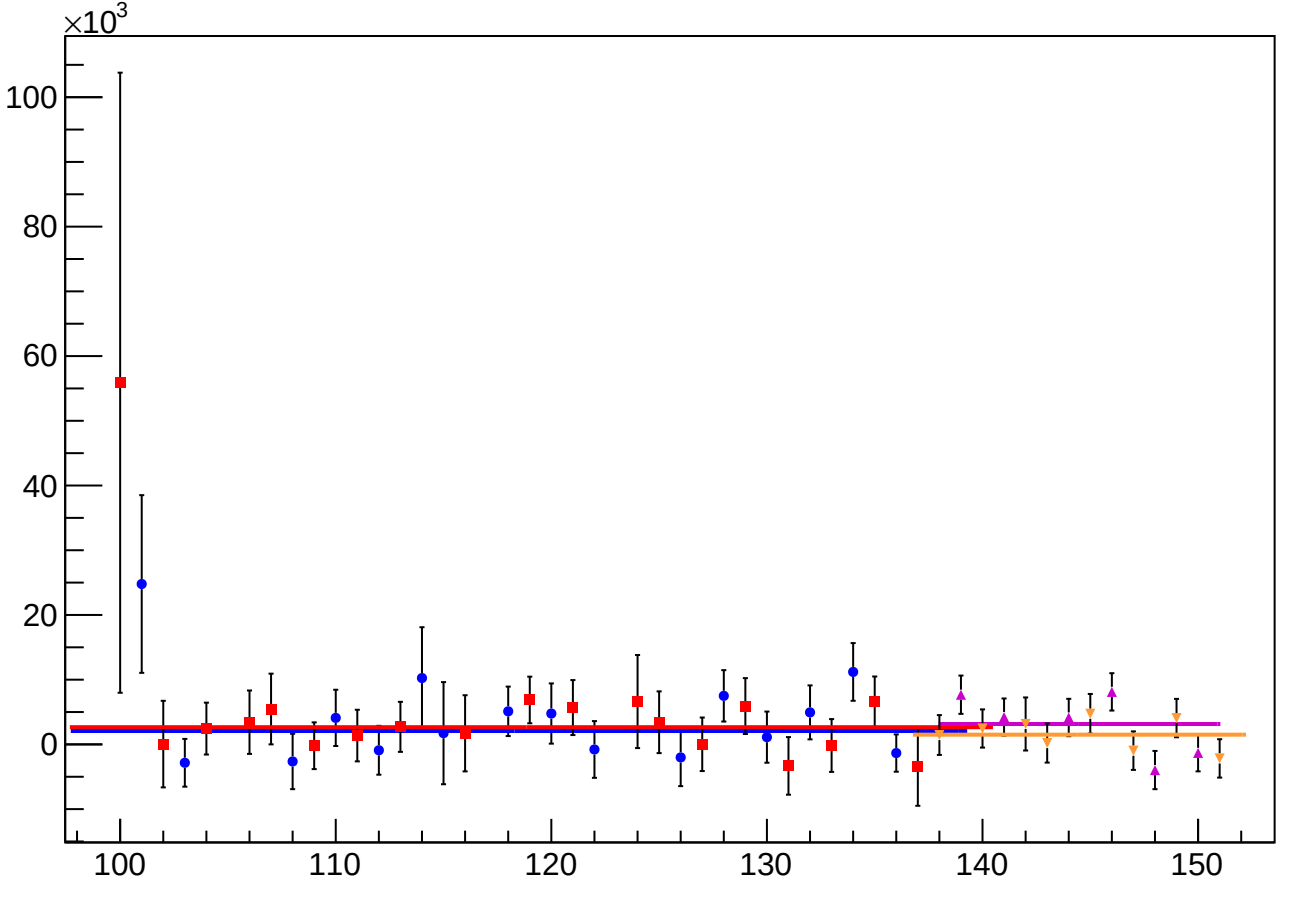
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 653.752+/-0.139 χ^2/NDF:2732846.5/21

Out: 628.481+/-0.130 χ^2/NDF:2882802.8/26

All: 640.217+/-0.095 χ^2/NDF: 5633321.1/48

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1503.740+/-1092.965 χ^2/NDF:4.5/7

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3149.481+/-1184.885 χ^2/NDF:13.8/5

Left: 2260.306+/-803.376 χ^2/NDF: 19.4/13

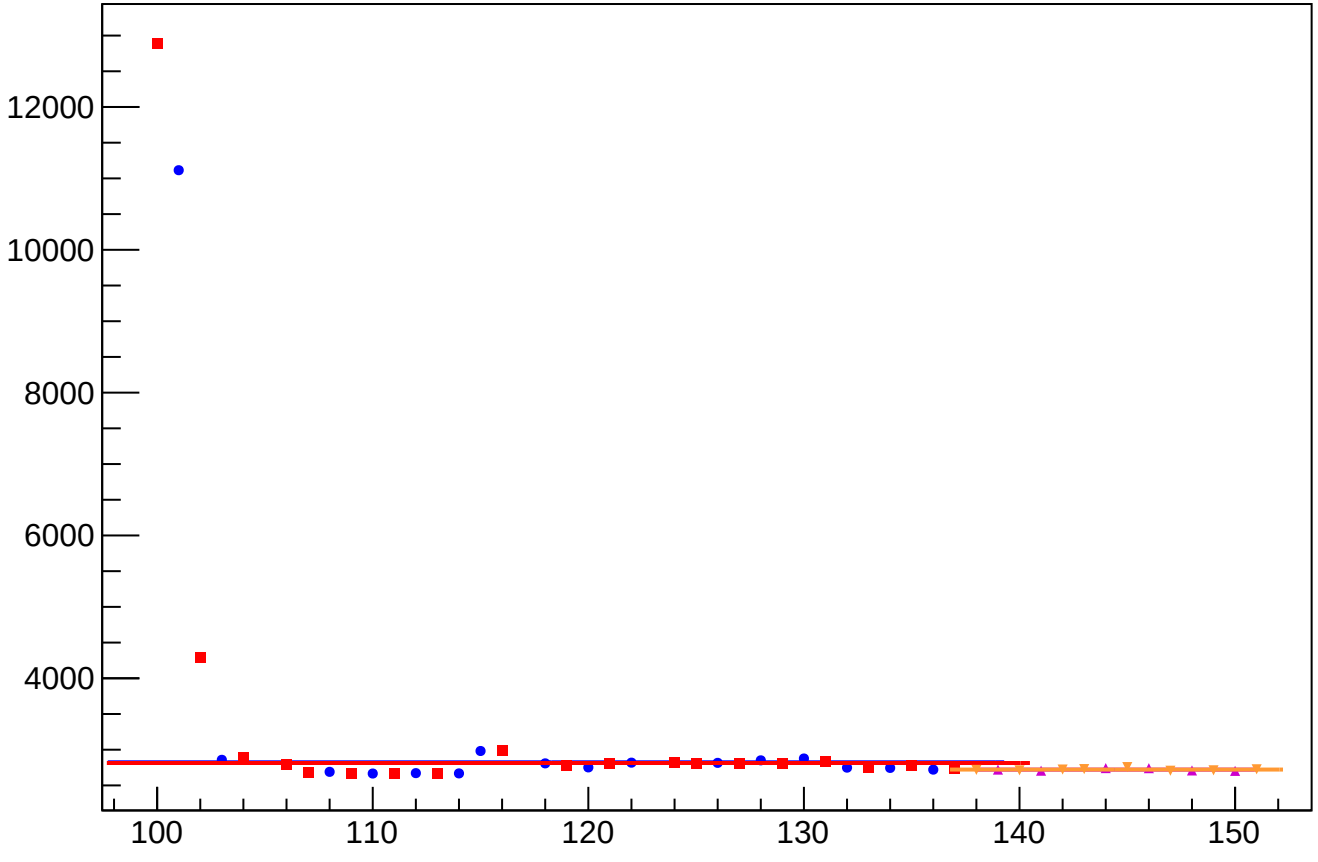
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2561.069+/-797.045 χ^2/NDF:32.1/21

Out: 2103.712+/-757.146 χ^2/NDF:15.1/26

All: 2320.657+/-548.947 χ^2/NDF: 47.4/48

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.919+/-0.773 χ^2/NDF:385.2/7

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2720.757+/-0.838 χ^2/NDF:367.4/5

Left: 2721.385+/-0.568 χ^2/NDF: 753.7/13

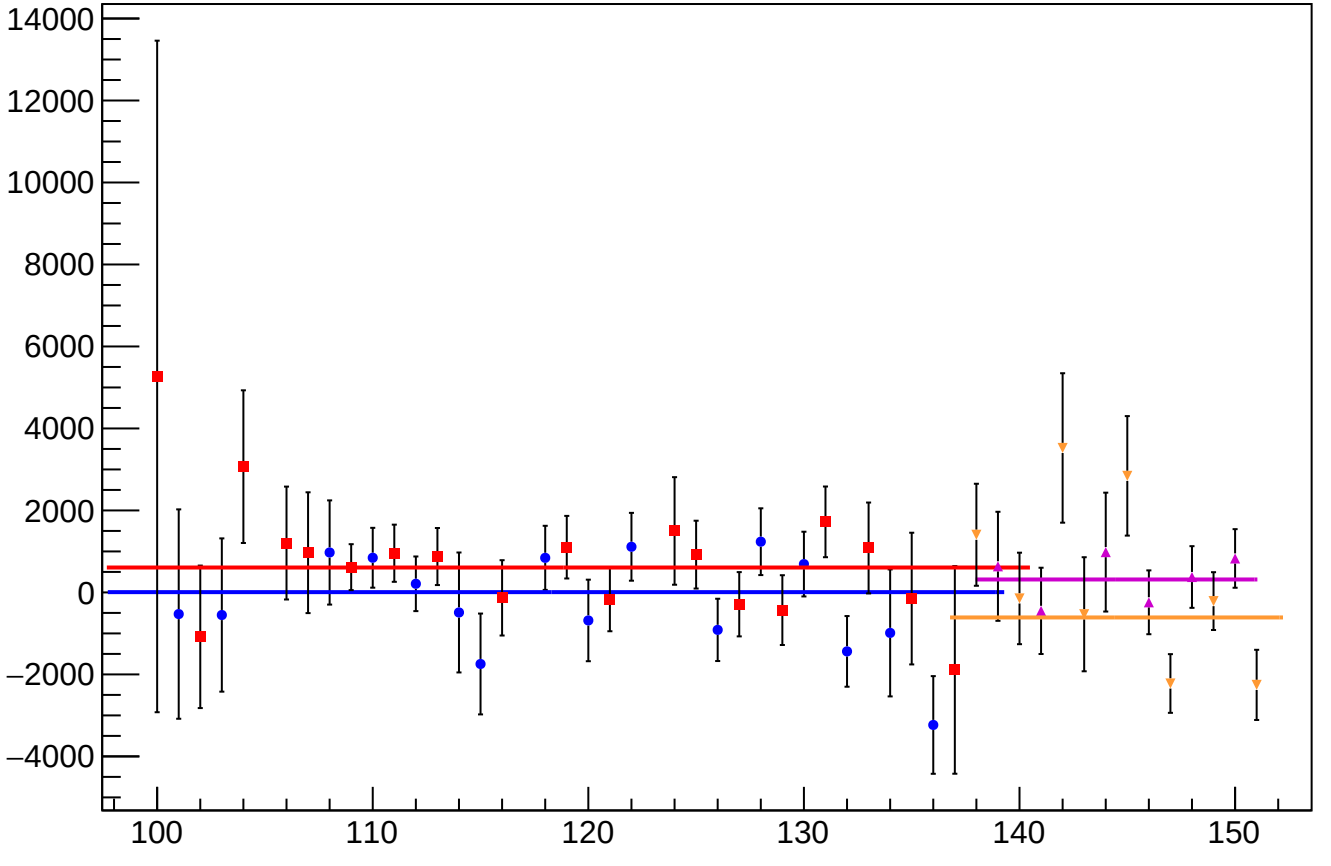
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2776.981+/-0.564 χ^2/NDF:752508.5/21

Out: 2769.718+/-0.535 χ^2/NDF:208251.8/26

All: 2773.163+/-0.388 χ^2/NDF: 960847.6/48

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -610.617+/-352.148 χ^2/NDF:22.6/7

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 315.816+/-369.682 χ^2/NDF:1.8/5

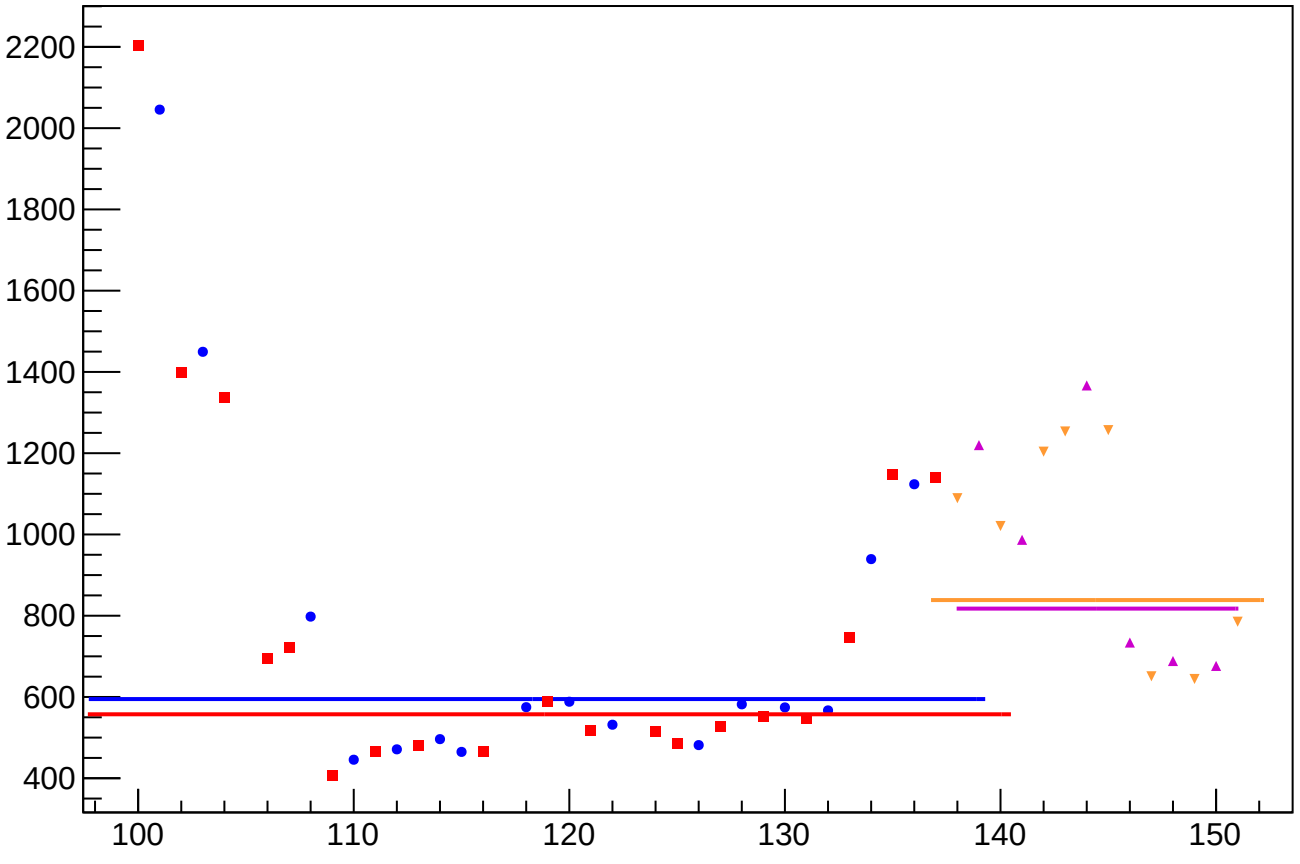
Left: -169.891+/-254.980 χ^2/NDF: 27.8/13

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 97.231+/-199.791 χ^2/NDF:25.1/21

Out: 272.150+/-184.799 χ^2/NDF:43.5/26

All: 191.499+/-135.663 χ^2/NDF: 69.0/48



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 838.515+/-0.249 χ^2/NDF:854311.0/7

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 817.497+/-0.261 χ^2/NDF:681495.2/5

Left: 828.516+/-0.180 χ^2/NDF: 1539195.4/13

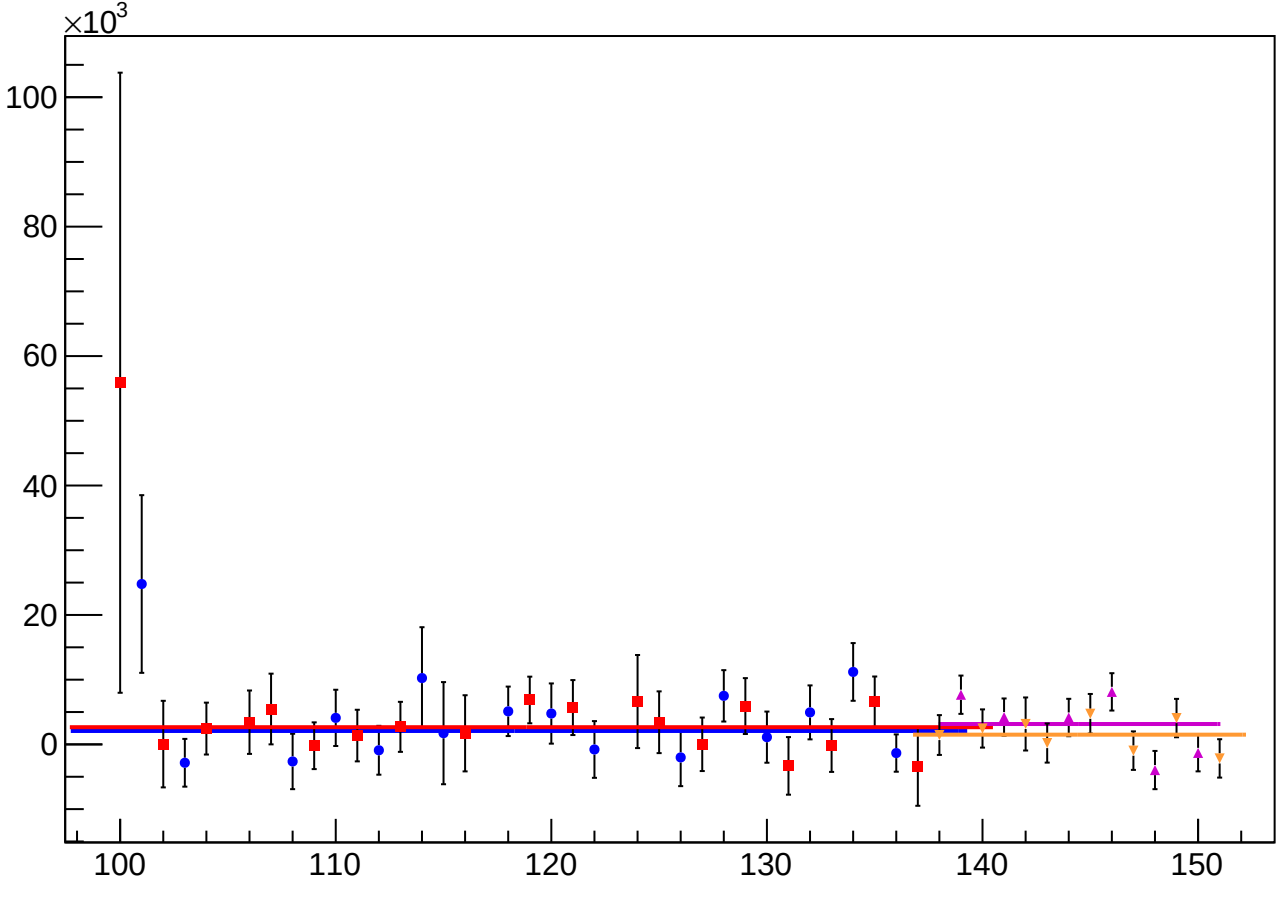
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 659.885+/-0.141 χ^2/NDF:3047678.5/21

Out: 634.814+/-0.131 χ^2/NDF:3409169.5/26

All: 646.374+/-0.096 χ^2/NDF: 6473820.8/48

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 1503.742+/-1092.965 χ^2/NDF:4.5/7

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3149.481+/-1184.885 χ^2/NDF:13.8/5

Left: 2260.307+/-803.376 χ^2/NDF: 19.4/13

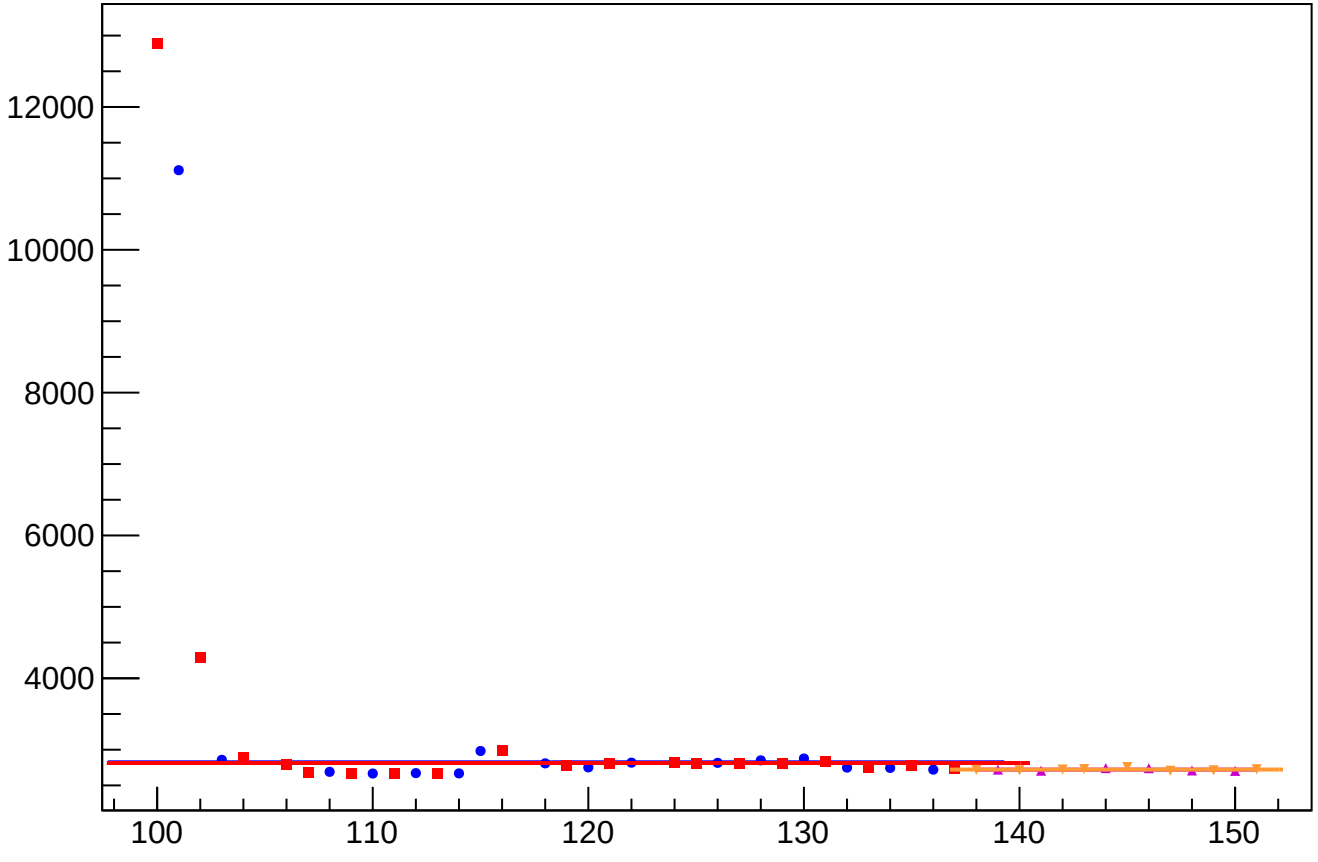
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2561.069+/-797.045 χ^2/NDF:32.1/21

Out: 2103.712+/-757.146 χ^2/NDF:15.1/26

All: 2320.657+/-548.947 χ^2/NDF: 47.4/48

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.919+/-0.773 χ^2/NDF:385.2/7

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2720.757+/-0.838 χ^2/NDF:367.4/5

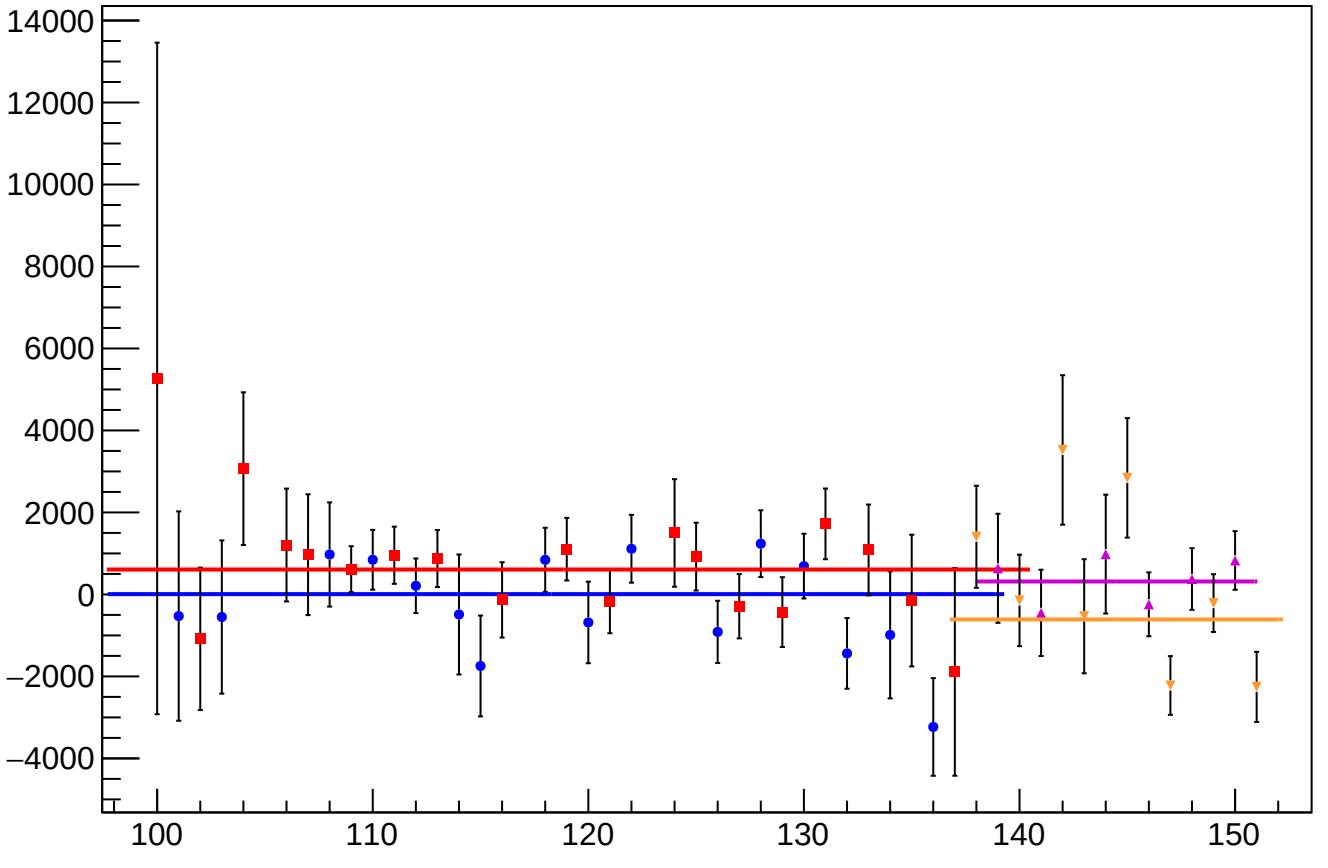
Left: 2721.385+/-0.568 χ^2/NDF: 753.7/13

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2776.981+/-0.564 χ^2/NDF:752508.5/21

Out: 2769.718+/-0.535 χ^2/NDF:208251.5/26

All: 2773.163+/-0.388 χ^2/NDF: 960847.3/48



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -610.617+/-352.148 χ^2/NDF:22.6/7

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 315.816+/-369.682 χ^2/NDF:1.8/5

Left: -169.891+/-254.980 χ^2/NDF: 27.8/13

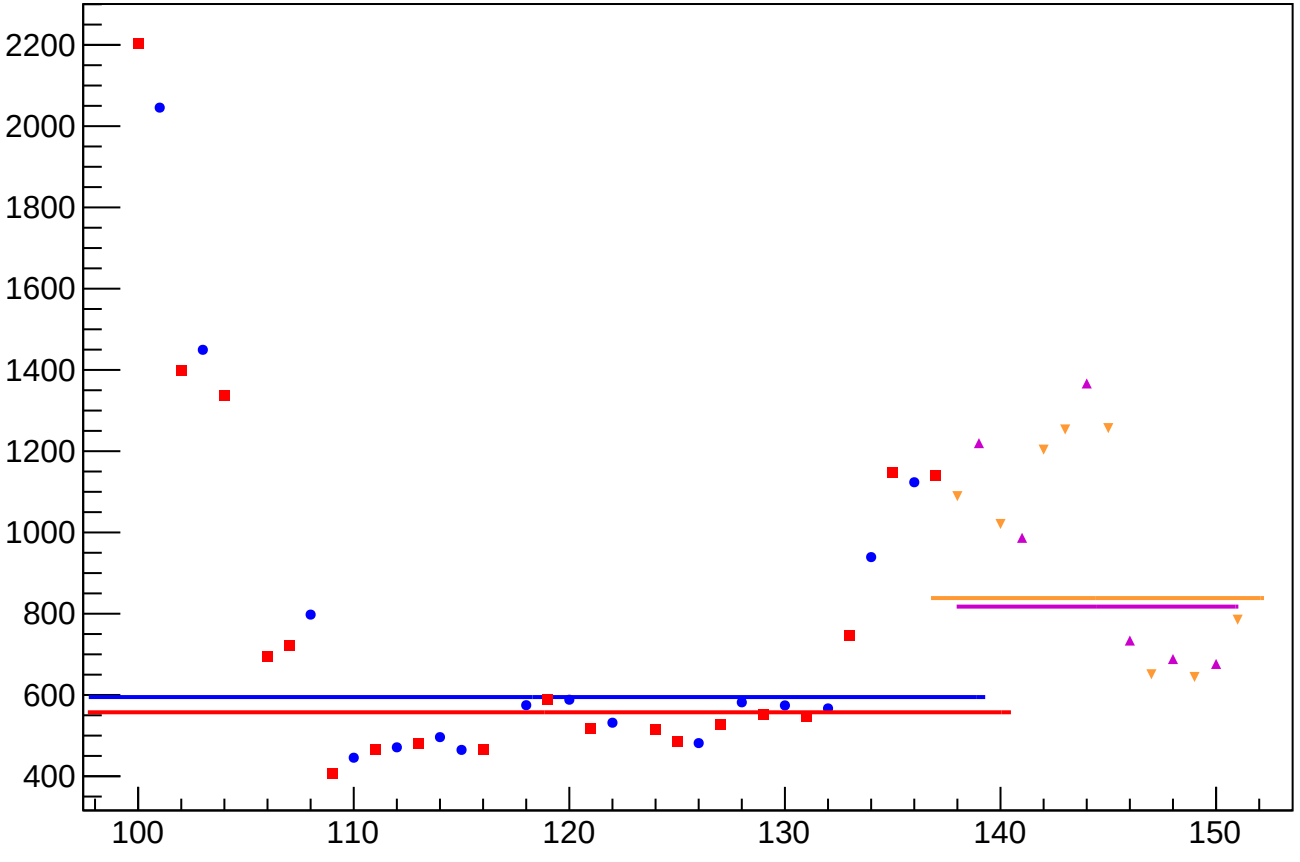
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 97.232+/-199.791 χ^2/NDF:25.1/21

Out: 272.150+/-184.799 χ^2/NDF:43.5/26

All: 191.499+/-135.663 χ^2/NDF: 69.0/48

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 838.515+/-0.249 χ^2/NDF:854311.8/7

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 817.497+/-0.261 χ^2/NDF:681495.4/5

Left: 828.517+/-0.180 χ^2/NDF: 1539196.5/13

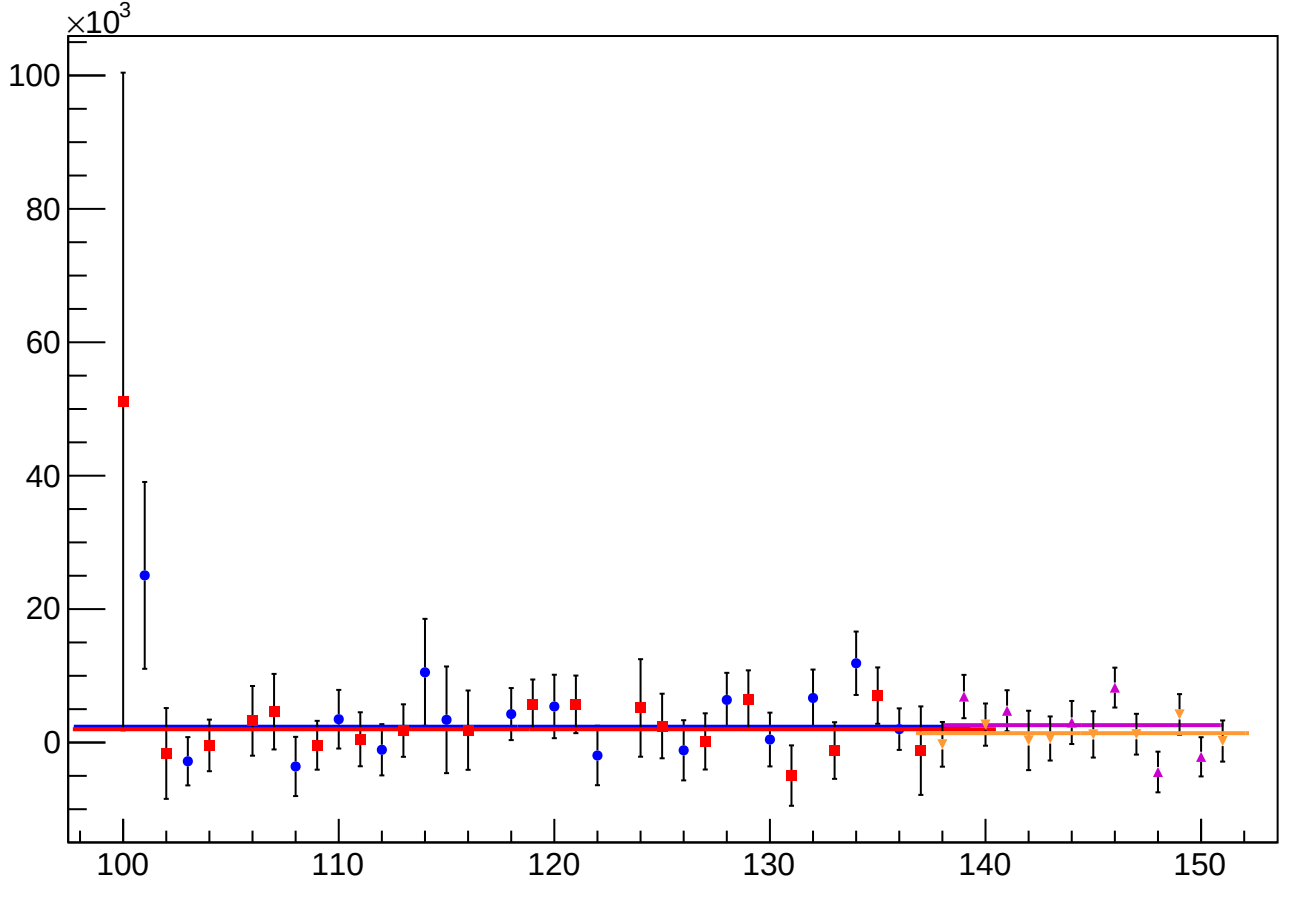
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 659.885+/-0.141 χ^2/NDF:3047672.9/21

Out: 634.814+/-0.131 χ^2/NDF:3409168.9/26

All: 646.374+/-0.096 χ^2/NDF: 6473814.8/48

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 1399.096+/-1167.209 χ^2/NDF:1.5/7

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2601.908+/-1257.893 χ^2/NDF:13.7/5

Left: 1955.587+/-855.606 χ^2/NDF: 15.7/13

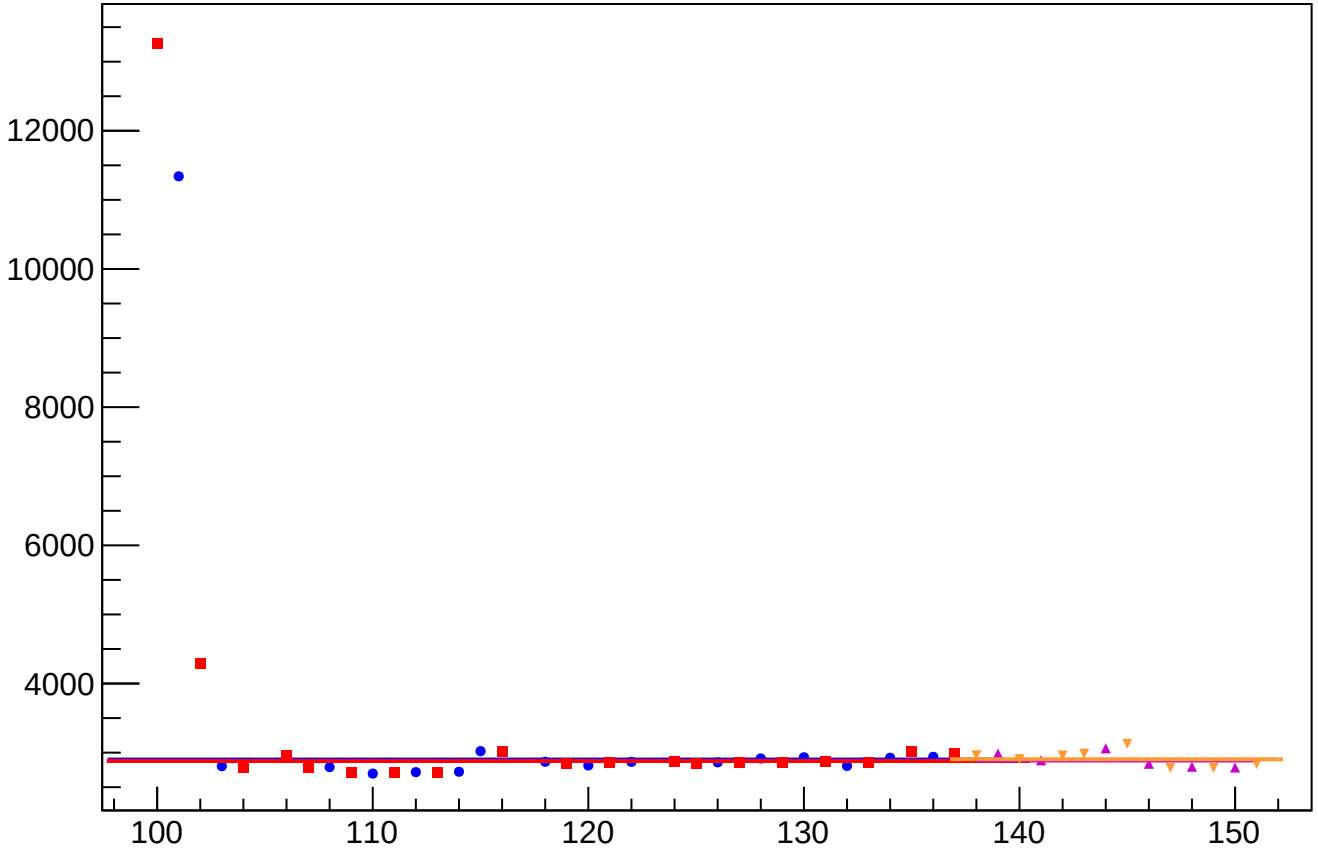
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2469.541+/-830.685 χ^2/NDF:30.6/21

Out: 1717.121+/-790.855 χ^2/NDF:12.0/26

All: 2074.861+/-572.782 χ^2/NDF: 43.0/48

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2903.964+/-0.825 χ^2/NDF:17780.0/7

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2886.251+/-0.889 χ^2/NDF:12533.0/5

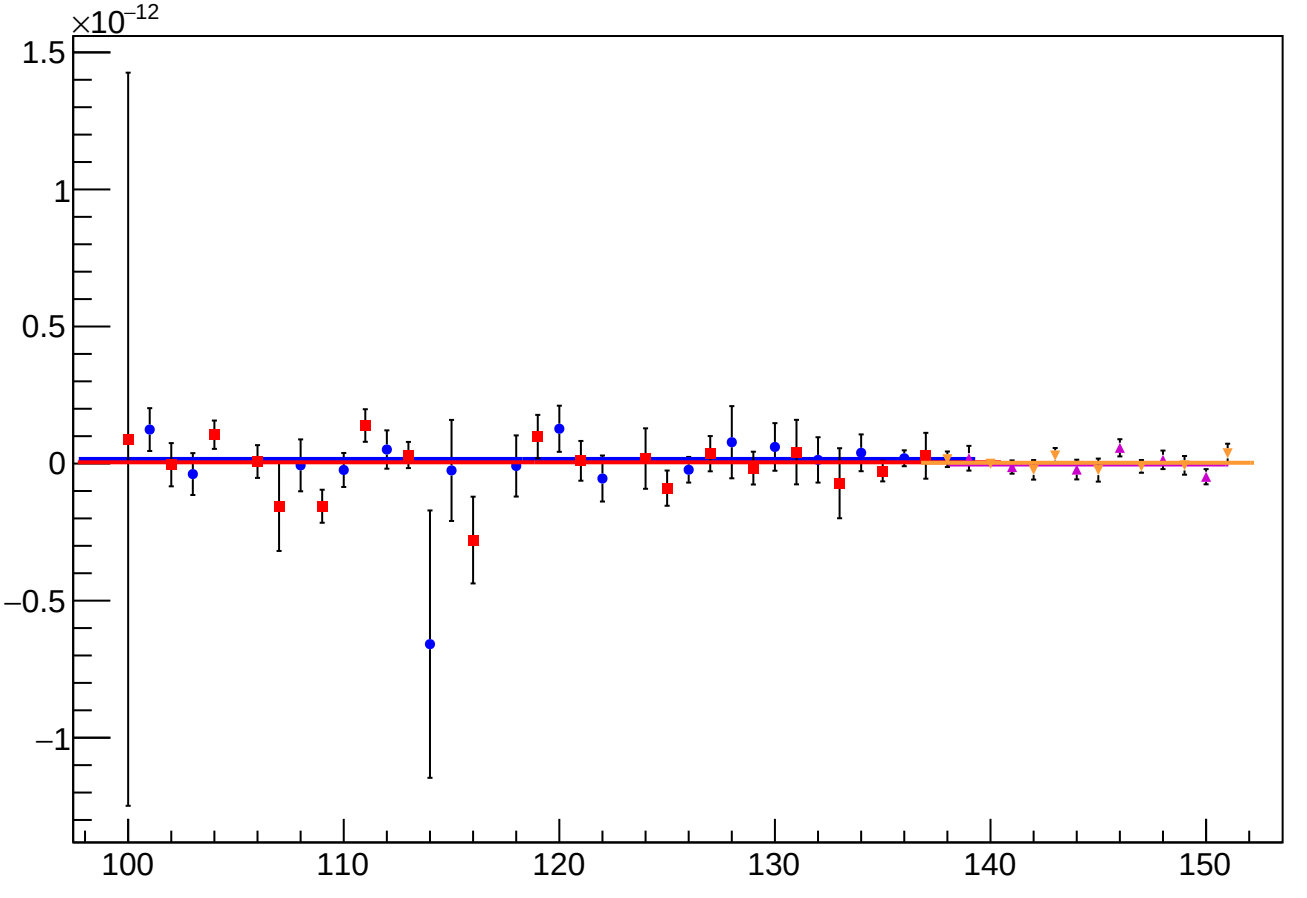
Left: 2895.769+/-0.605 χ^2/NDF: 30526.1/13

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2893.907+/-0.587 χ^2/NDF:754482.5/21

Out: 2890.437+/-0.559 χ^2/NDF:211559.1/26

All: 2892.087+/-0.405 χ^2/NDF: 966059.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/5

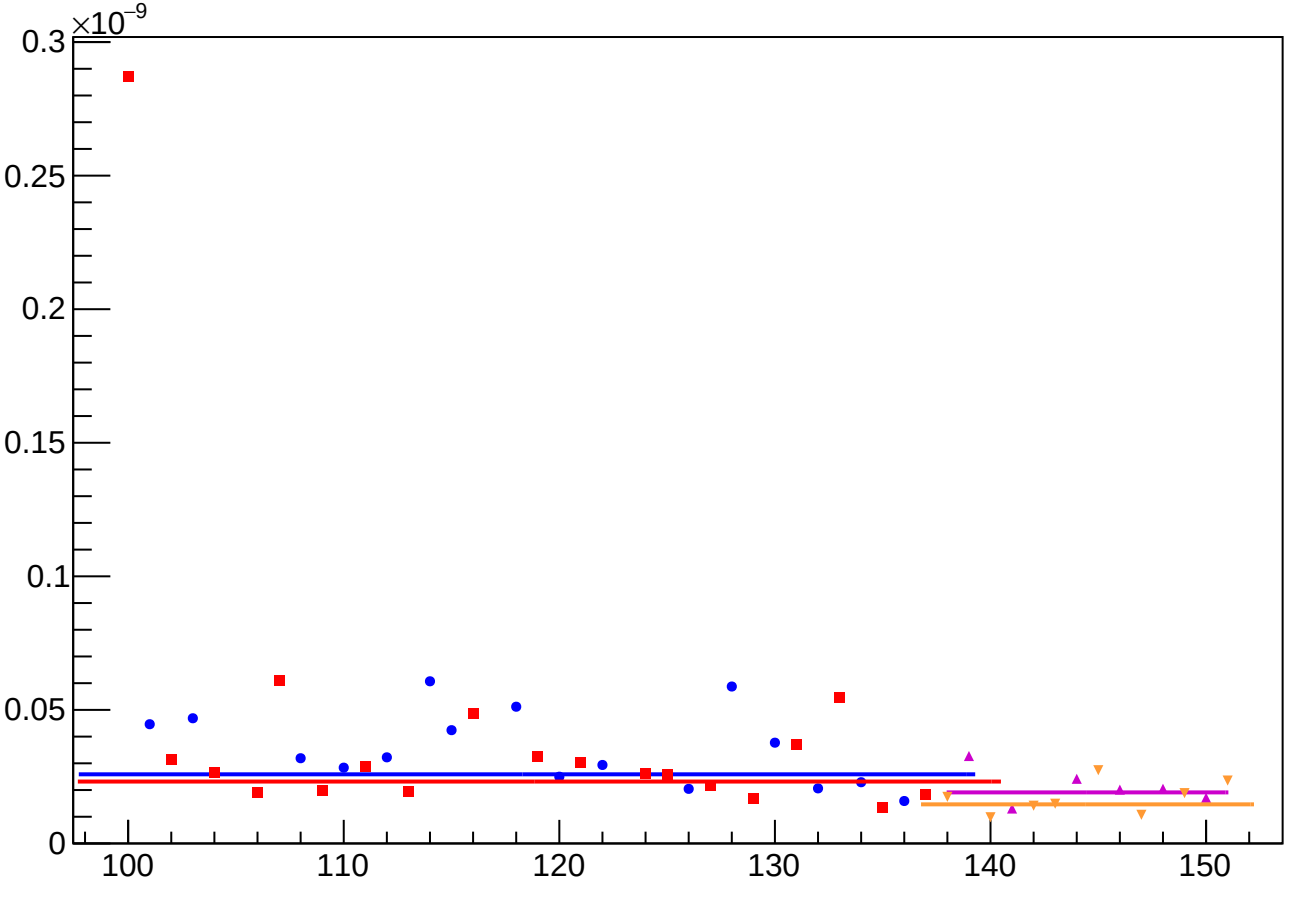
Left: 0.000+/-0.000 χ^2/NDF: 10.9/13

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:17.1/21

Out: 0.000+/-0.000 χ^2/NDF:29.2/26

All: 0.000+/-0.000 χ^2/NDF: 46.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:558602.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:362442.8/5

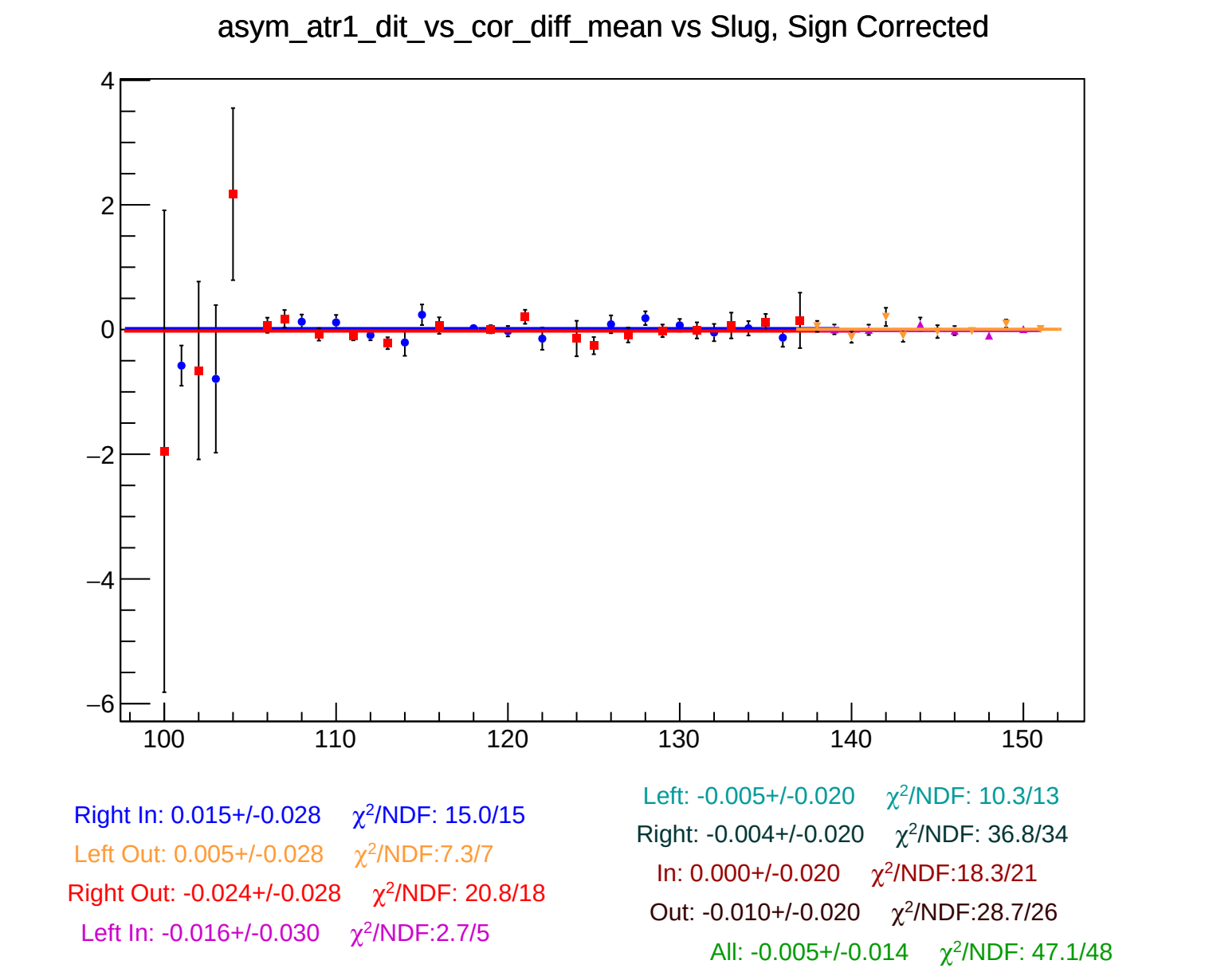
Left: 0.000+/-0.000 χ^2/NDF: 1075997.3/13

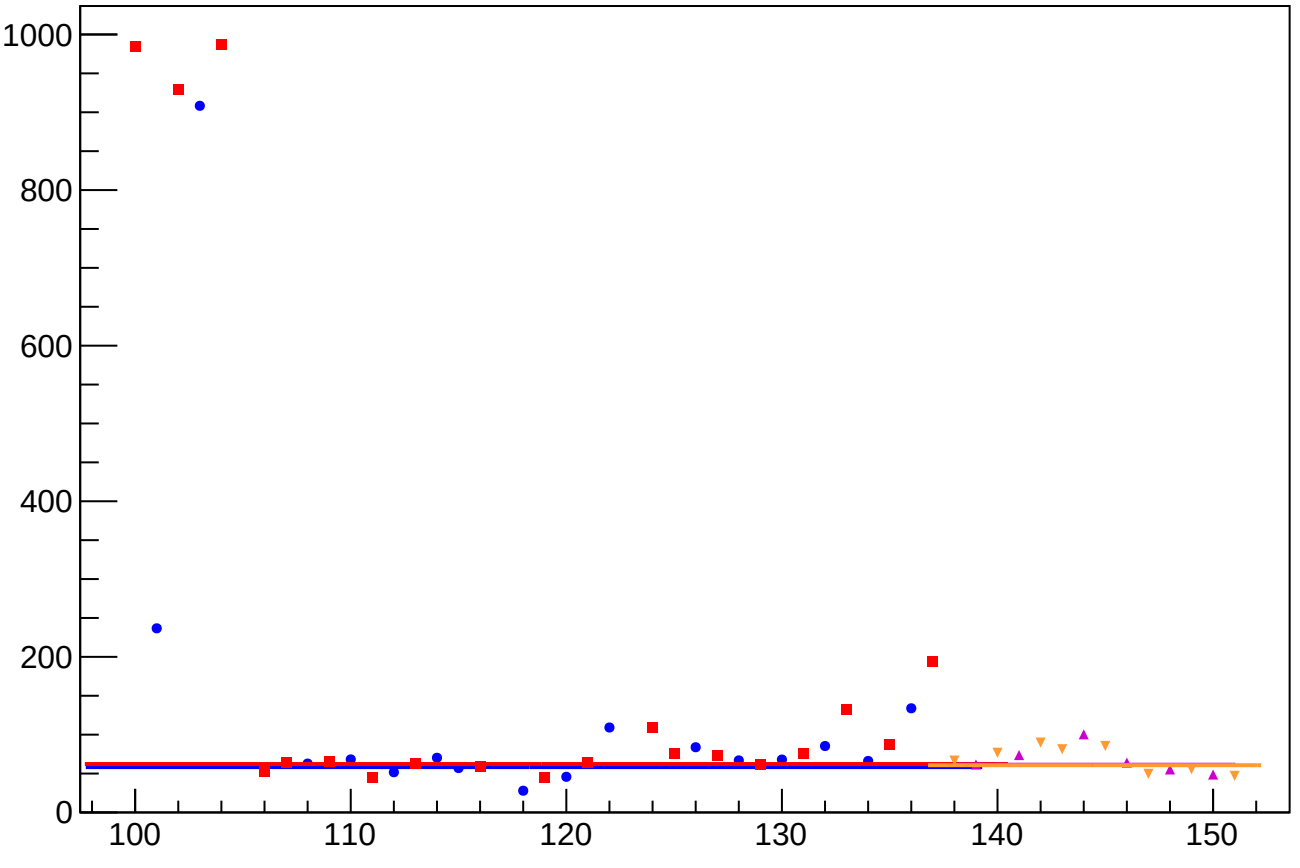
Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1432973.2/21

Out: 0.000+/-0.000 χ^2/NDF:1673119.7/26

All: 0.000+/-0.000 χ^2/NDF: 3344145.5/48


asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.005+/-0.028 χ²/NDF:7.3/7
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: -0.016+/-0.030 χ²/NDF:2.7/5
Left: -0.005+/-0.020 χ²/NDF: 10.3/13
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.000+/-0.020 χ²/NDF:18.3/21
Out: -0.010+/-0.020 χ²/NDF:28.7/26
All: -0.005+/-0.014 χ²/NDF: 47.1/48



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 60.736+/-0.020 χ^2/NDF:543748.2/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 61.353+/-0.021 χ^2/NDF:413551.0/5

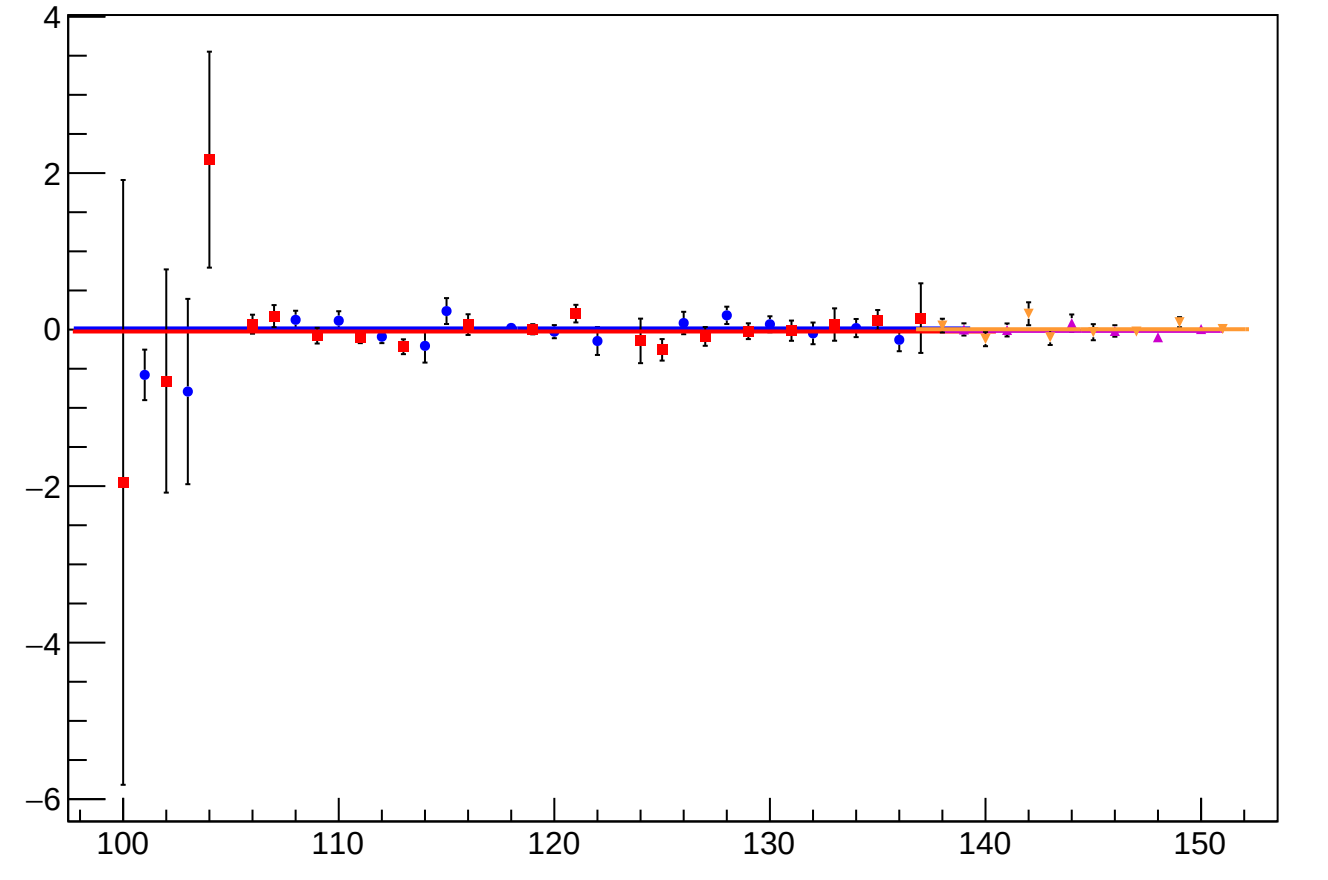
Left: 61.022+/-0.014 χ^2/NDF: 957763.5/13

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.738+/-0.014 χ^2/NDF:3685144.7/21

Out: 61.474+/-0.014 χ^2/NDF:3173684.7/26

All: 60.633+/-0.010 χ^2/NDF: 6866379.8/48



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.016+/-0.030 χ^2/NDF:2.7/5

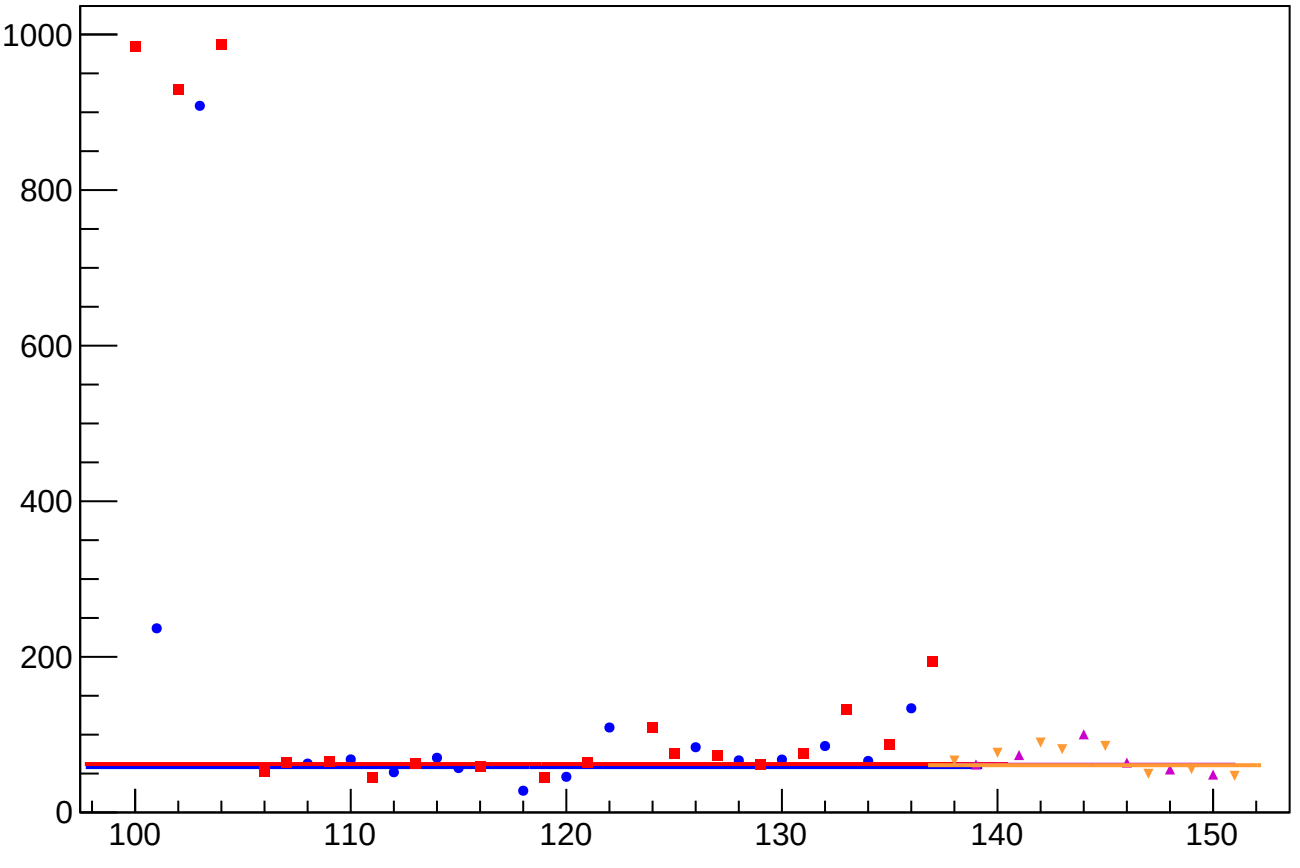
Left: -0.005+/-0.020 χ^2/NDF: 10.3/13

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.000+/-0.020 χ^2/NDF:18.3/21

Out: -0.010+/-0.020 χ^2/NDF:28.7/26

All: -0.005+/-0.014 χ^2/NDF: 47.1/48



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 60.736+/-0.020 χ^2/NDF:543748.2/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 61.353+/-0.021 χ^2/NDF:413551.0/5

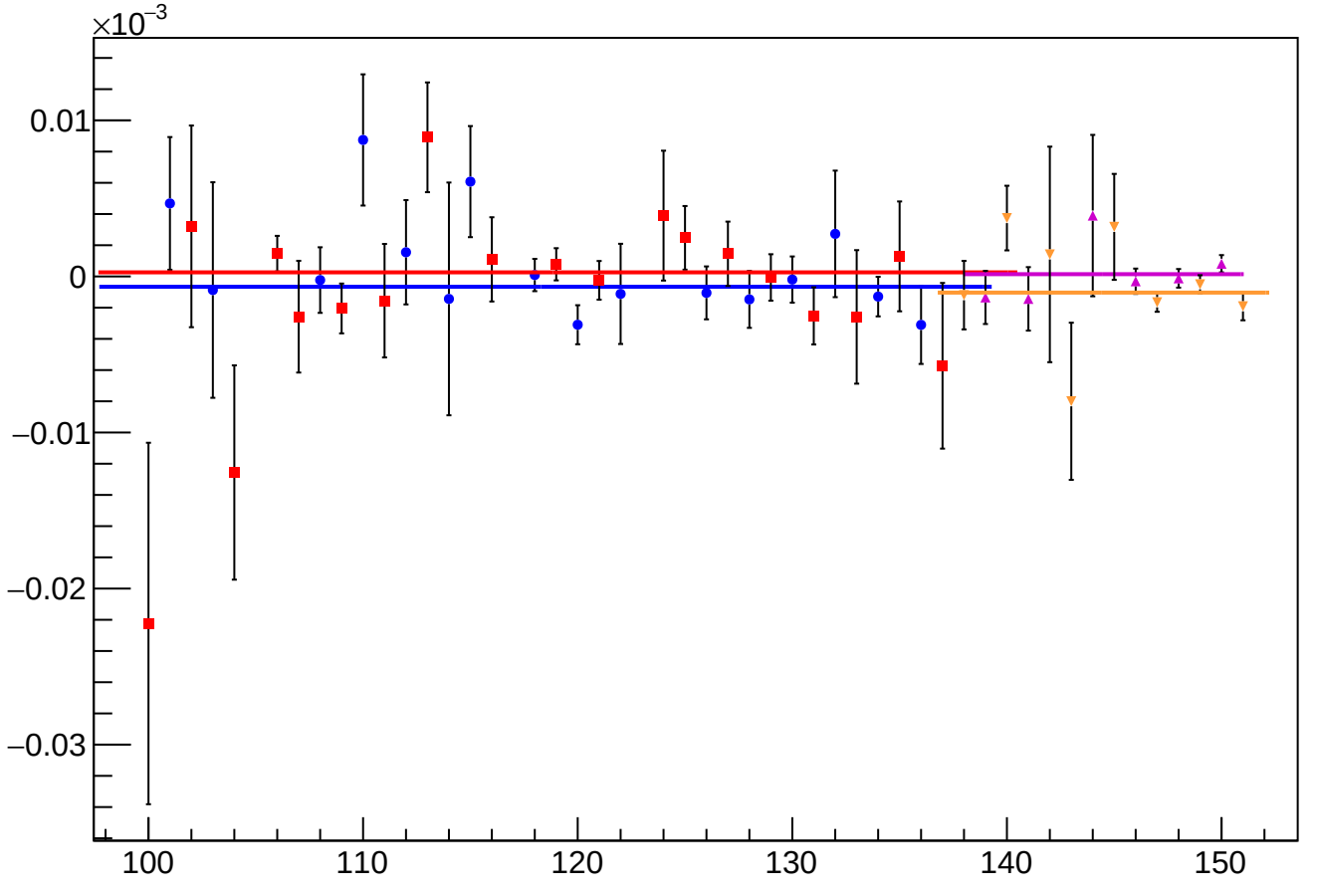
Left: 61.022+/-0.014 χ^2/NDF: 957763.5/13

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.738+/-0.014 χ^2/NDF:3685144.7/21

Out: 61.474+/-0.014 χ^2/NDF:3173684.7/26

All: 60.633+/-0.010 χ^2/NDF: 6866379.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/5

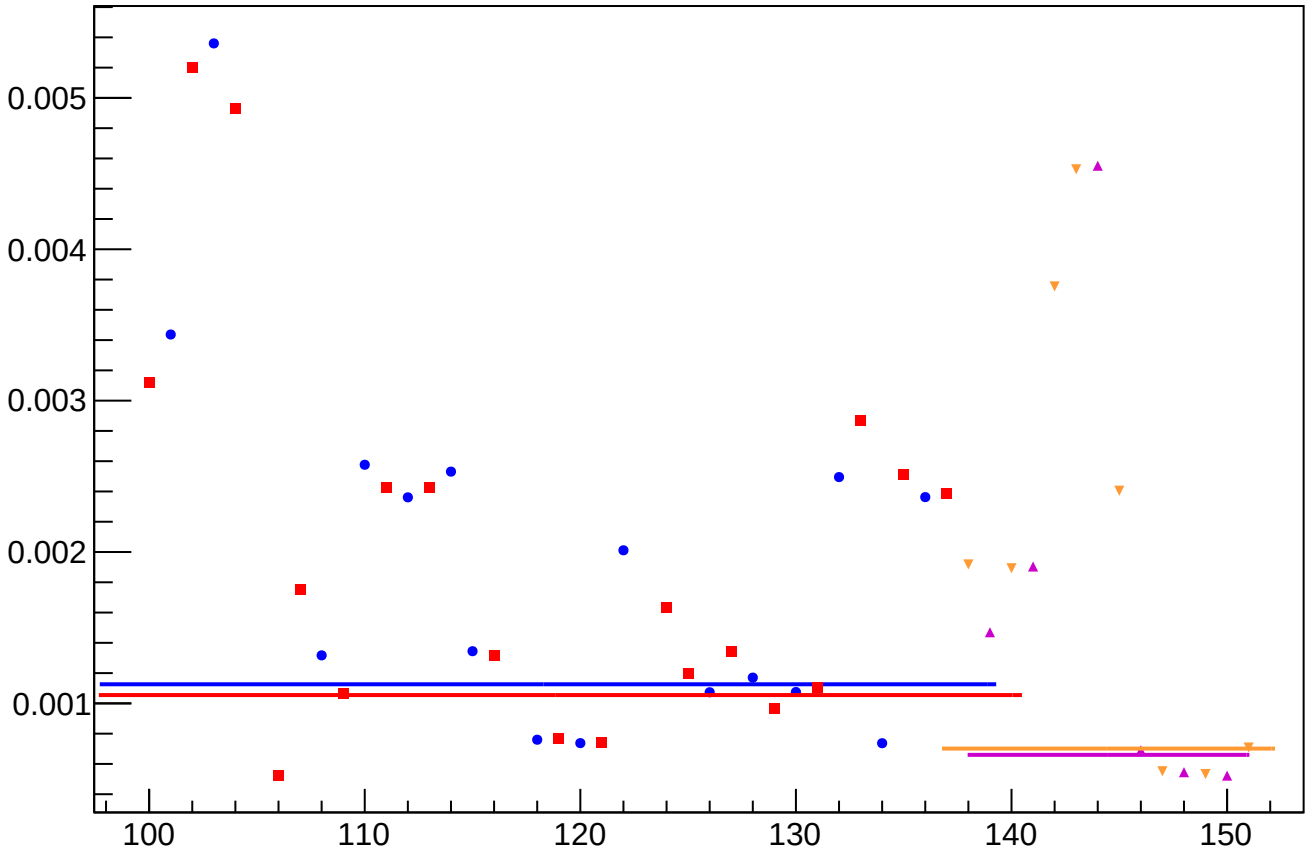
Left: -0.000+/-0.000 χ^2/NDF: 21.1/13

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:22.9/21

Out: -0.000+/-0.000 χ^2/NDF:41.1/26

All: -0.000+/-0.000 χ^2/NDF: 65.1/48



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:3615651.4/7

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2534764.1/5

Left: 0.001+/-0.000 χ^2/NDF: 6163908.9/13

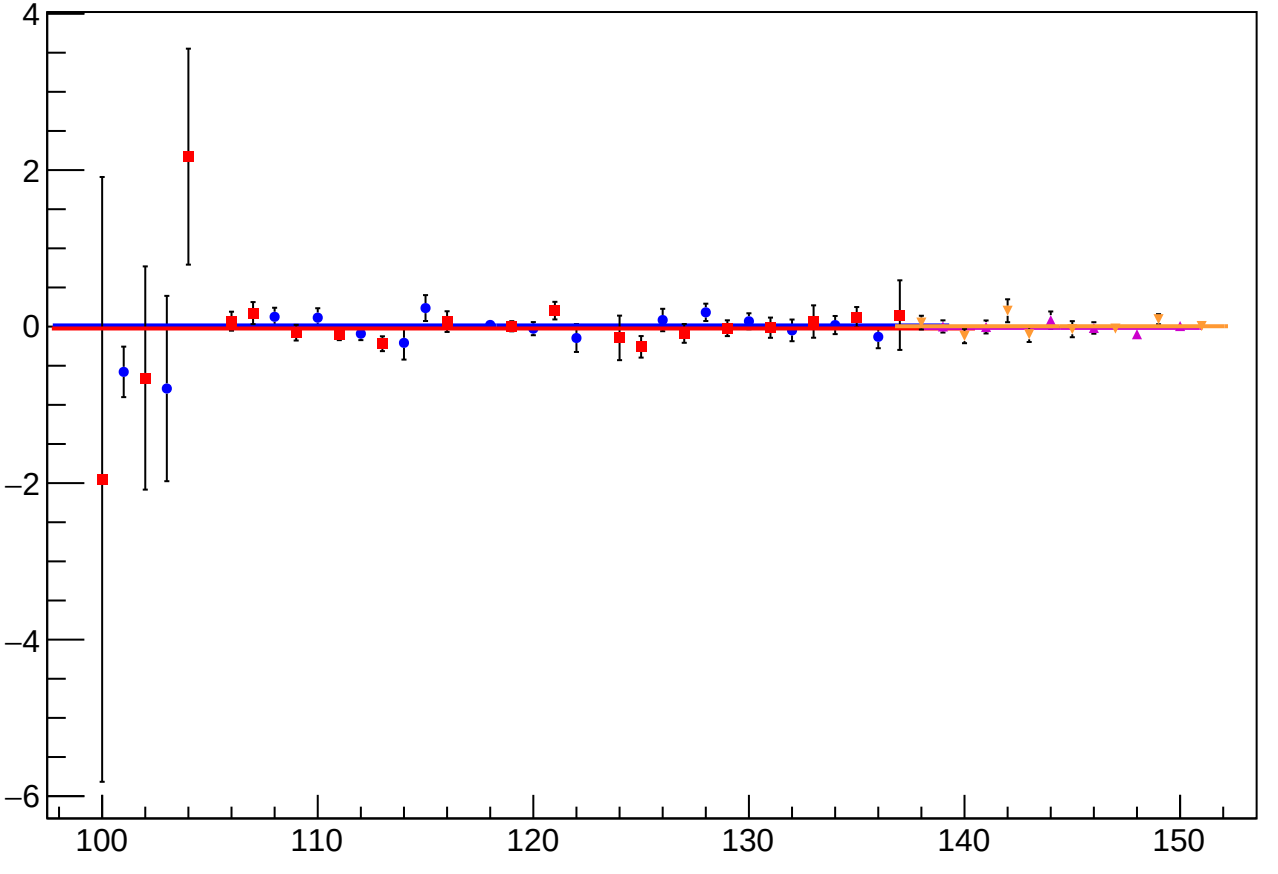
Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:7190644.8/21

Out: 0.001+/-0.000 χ^2/NDF:8179361.4/26

All: 0.001+/-0.000 χ^2/NDF: 15374940.4/48

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: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.016+/-0.030 χ^2/NDF:2.7/5

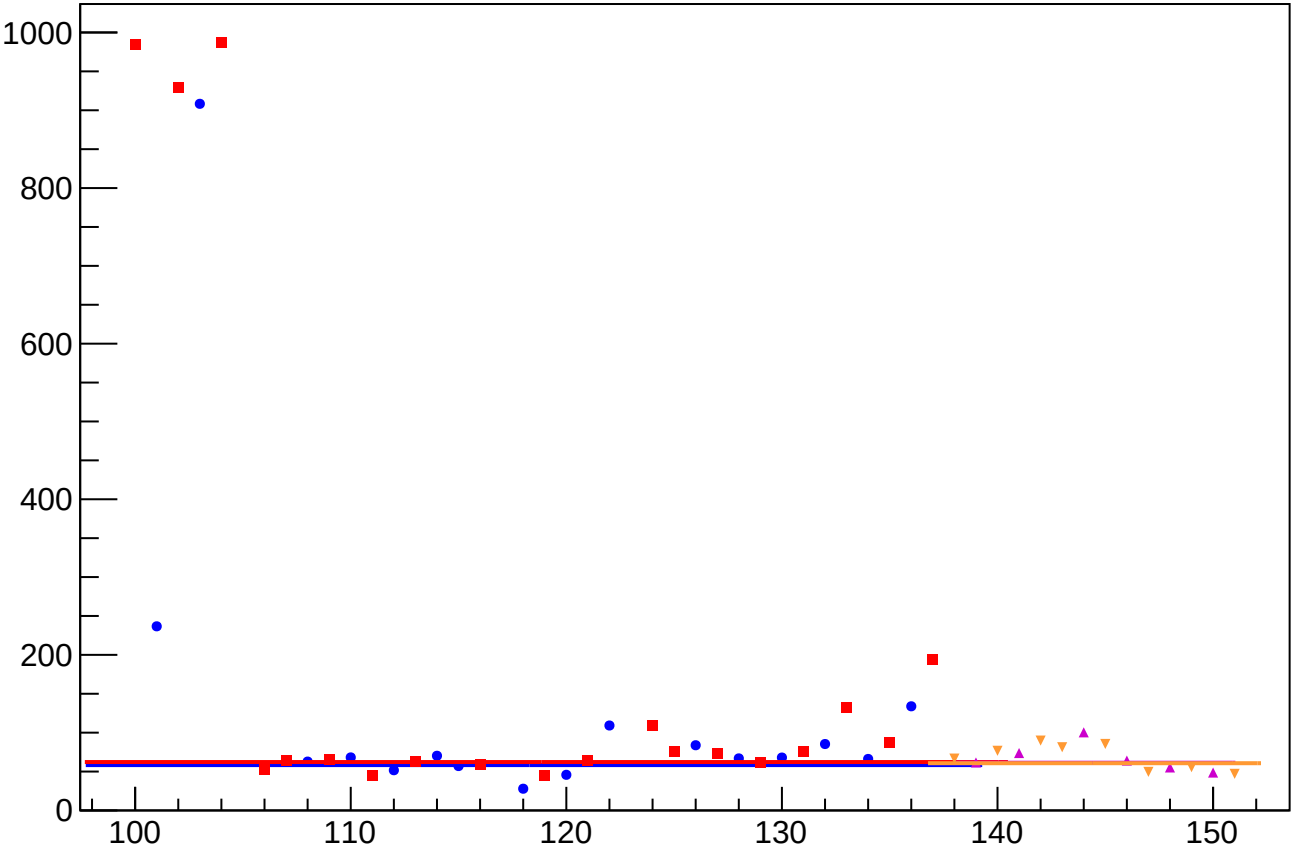
Left: -0.005+/-0.020 χ^2/NDF: 10.3/13

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.000+/-0.020 χ^2/NDF:18.3/21

Out: -0.010+/-0.020 χ^2/NDF:28.7/26

All: -0.005+/-0.014 χ^2/NDF: 47.1/48



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 60.735+/-0.020 χ^2/NDF:543755.0/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 61.353+/-0.021 χ^2/NDF:413565.0/5

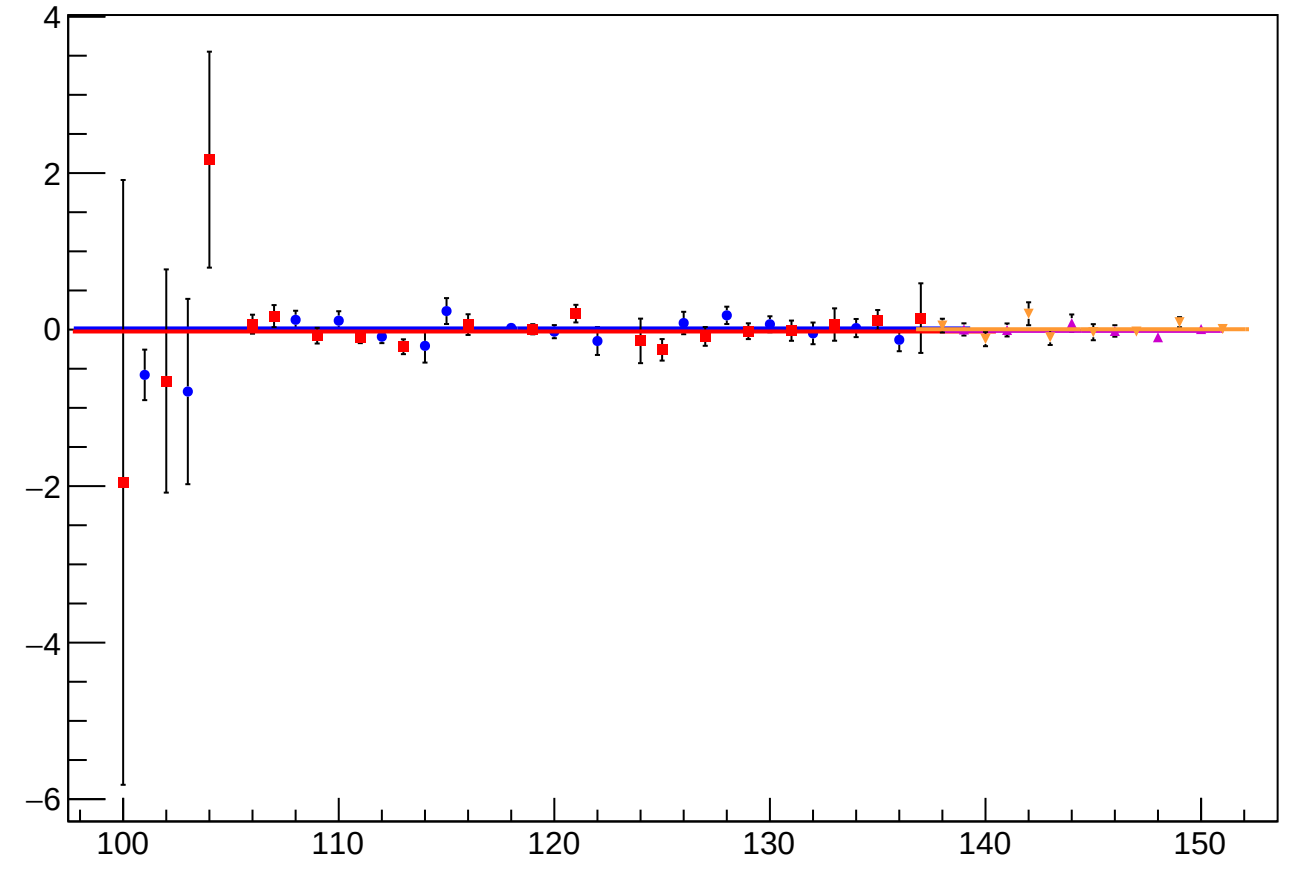
Left: 61.022+/-0.014 χ^2/NDF: 957785.3/13

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.738+/-0.014 χ^2/NDF:3685245.9/21

Out: 61.474+/-0.014 χ^2/NDF:3173685.1/26

All: 60.633+/-0.010 χ^2/NDF: 6866481.7/48



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.016+/-0.030 χ^2/NDF:2.7/5

Left: -0.005+/-0.020 χ^2/NDF: 10.3/13

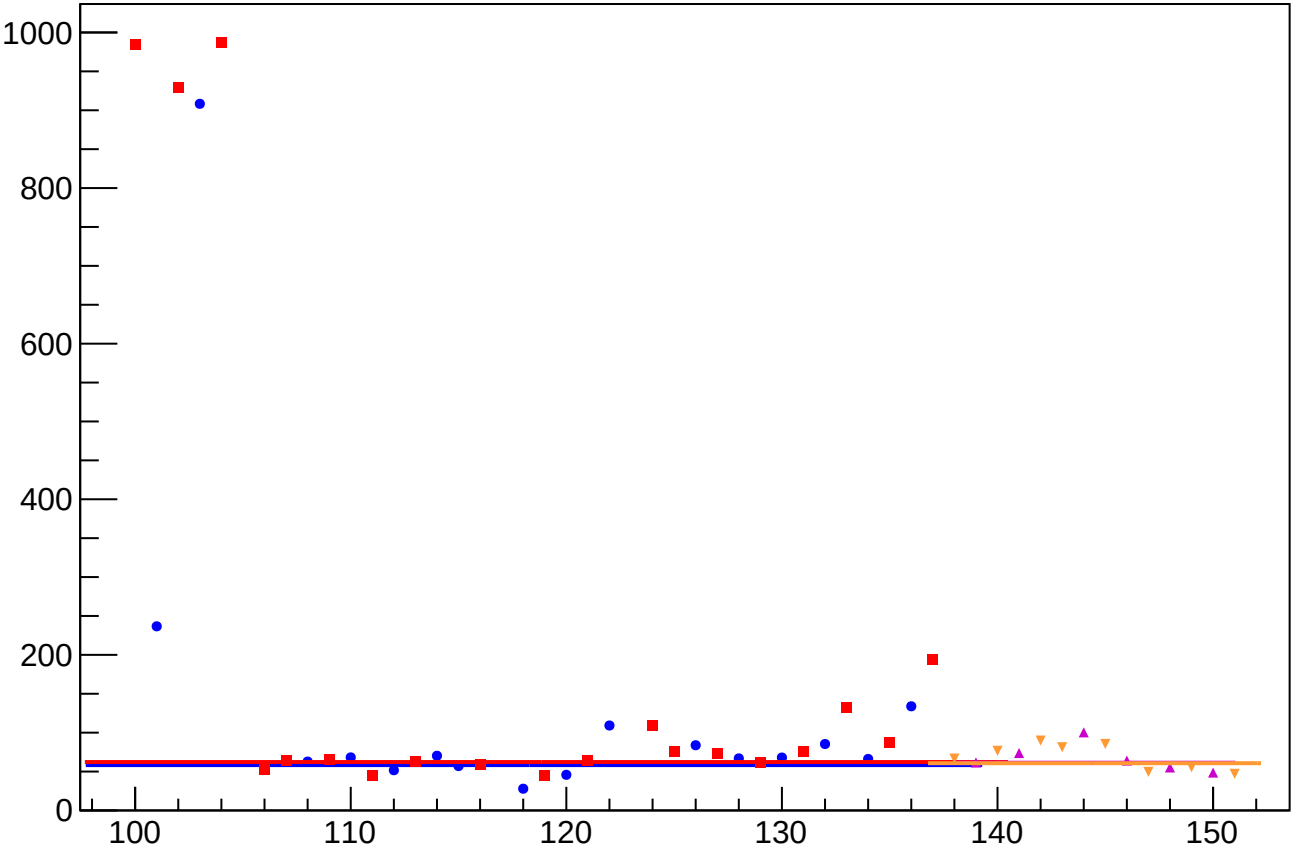
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.000+/-0.020 χ^2/NDF:18.3/21

Out: -0.010+/-0.020 χ^2/NDF:28.7/26

All: -0.005+/-0.014 χ^2/NDF: 47.1/48

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: 60.735+/-0.020 χ^2/NDF:543755.0/7

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 61.353+/-0.021 χ^2/NDF:413565.0/5

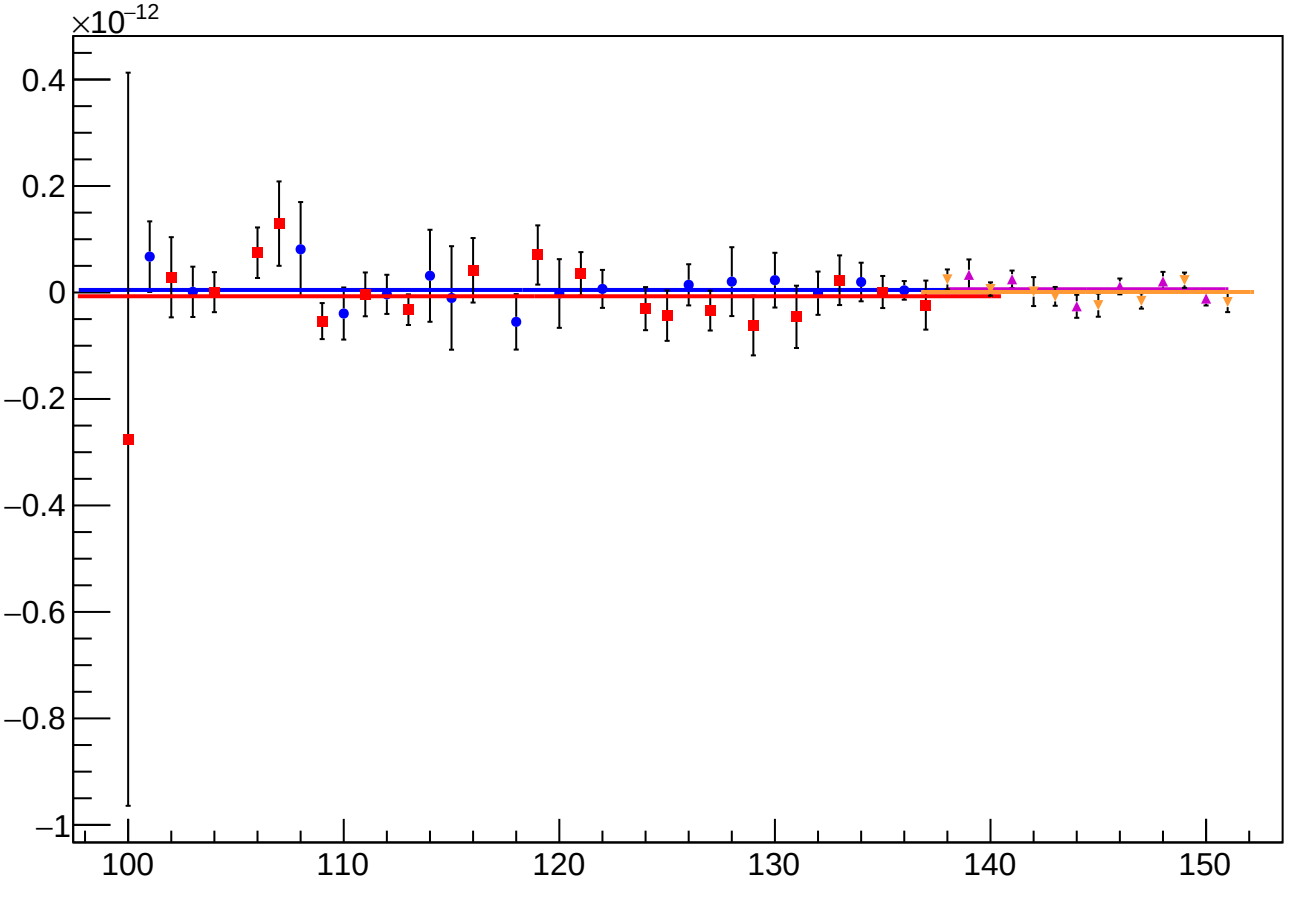
Left: 61.022+/-0.014 χ^2/NDF: 957785.3/13

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.738+/-0.014 χ^2/NDF:3685245.9/21

Out: 61.474+/-0.014 χ^2/NDF:3173685.1/26

All: 60.633+/-0.010 χ^2/NDF: 6866481.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/5

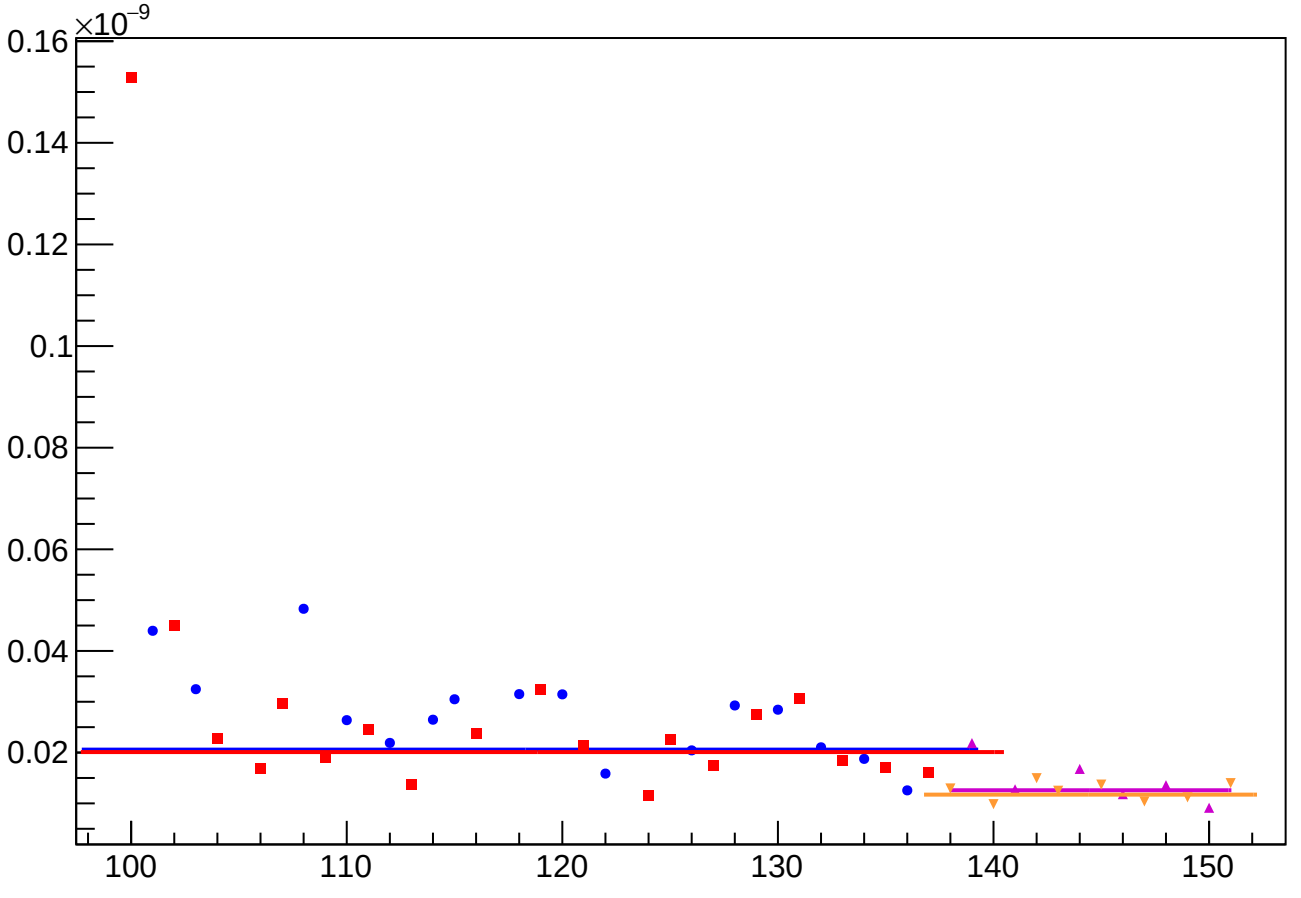
Left: 0.000+/-0.000 χ^2/NDF: 15.3/13

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:11.4/21

Out: -0.000+/-0.000 χ^2/NDF:24.6/26

All: 0.000+/-0.000 χ^2/NDF: 36.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:150001.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:434241.8/5

Left: 0.000+/-0.000 χ^2/NDF: 601859.7/13

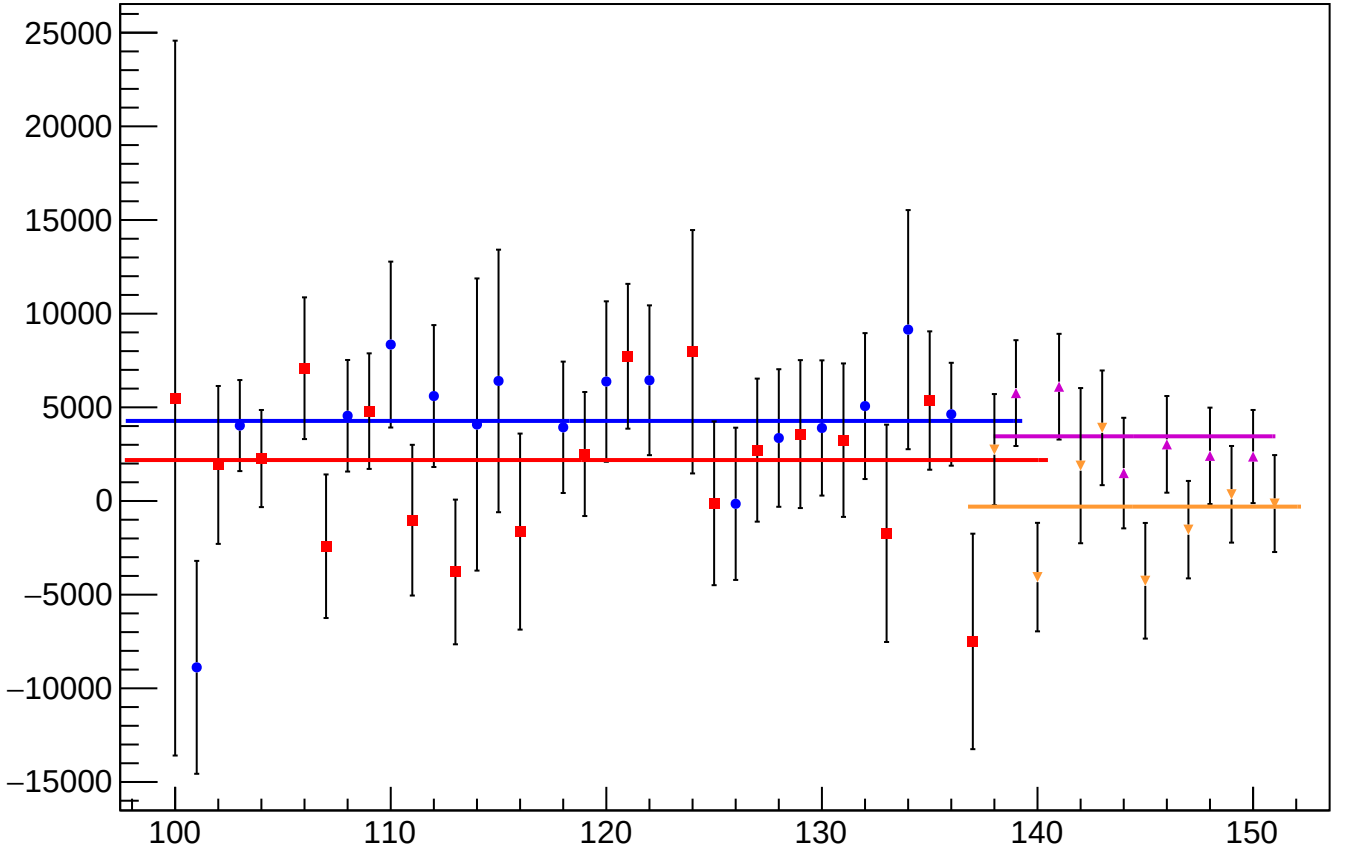
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:2586787.8/21

Out: 0.000+/-0.000 χ^2/NDF:1980345.3/26

All: 0.000+/-0.000 χ^2/NDF: 4618010.7/48

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -300.868+/-1025.953 χ^2/NDF:6.8/7

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3453.062+/-1098.449 χ^2/NDF:2.4/5

Left: 1448.142+/-749.778 χ^2/NDF: 15.5/13

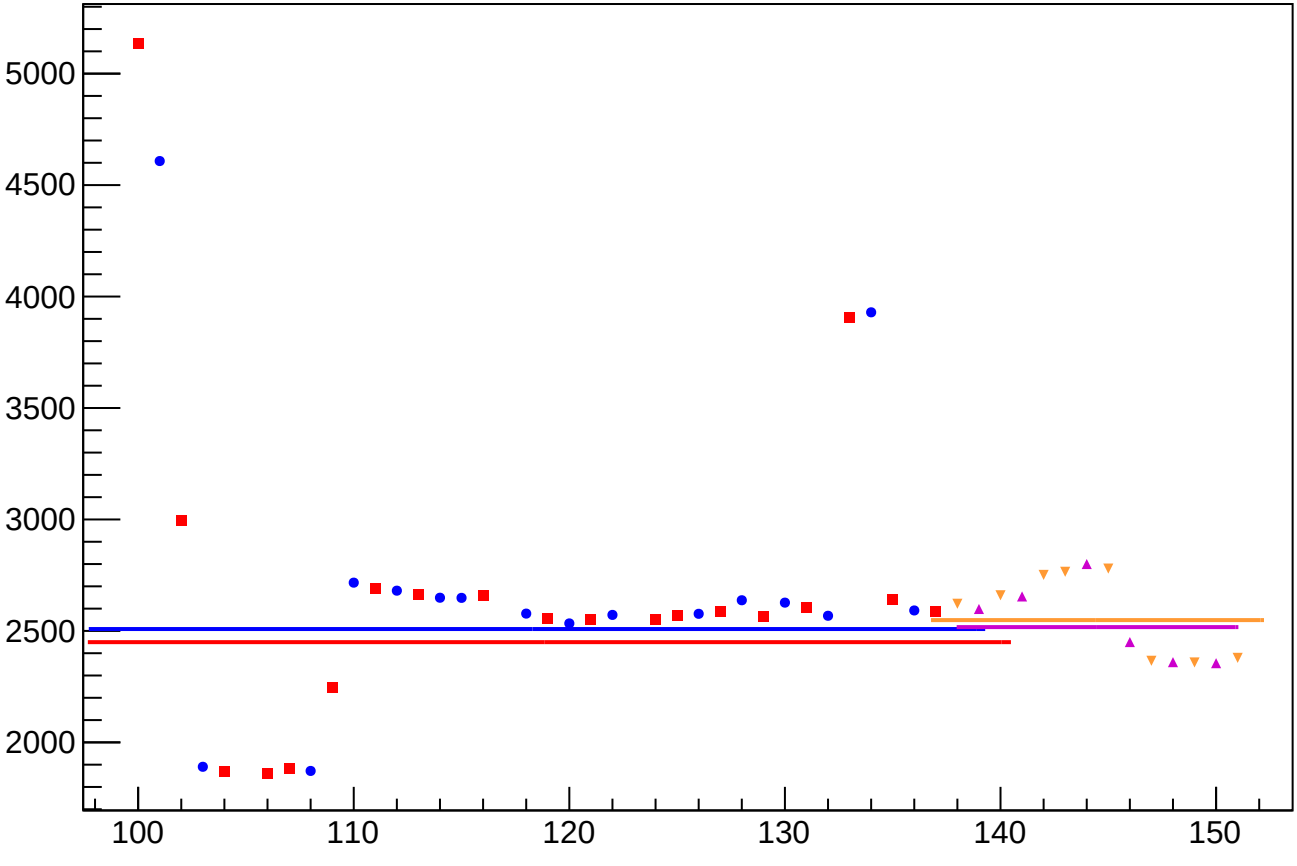
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3922.110+/-719.393 χ^2/NDF:11.6/21

Out: 1074.909+/-685.811 χ^2/NDF:24.9/26

All: 2430.504+/-496.389 χ^2/NDF: 44.7/48

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2548.509+/-0.725 χ^2/NDF:59466.0/7

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2517.092+/-0.777 χ^2/NDF:42095.6/5

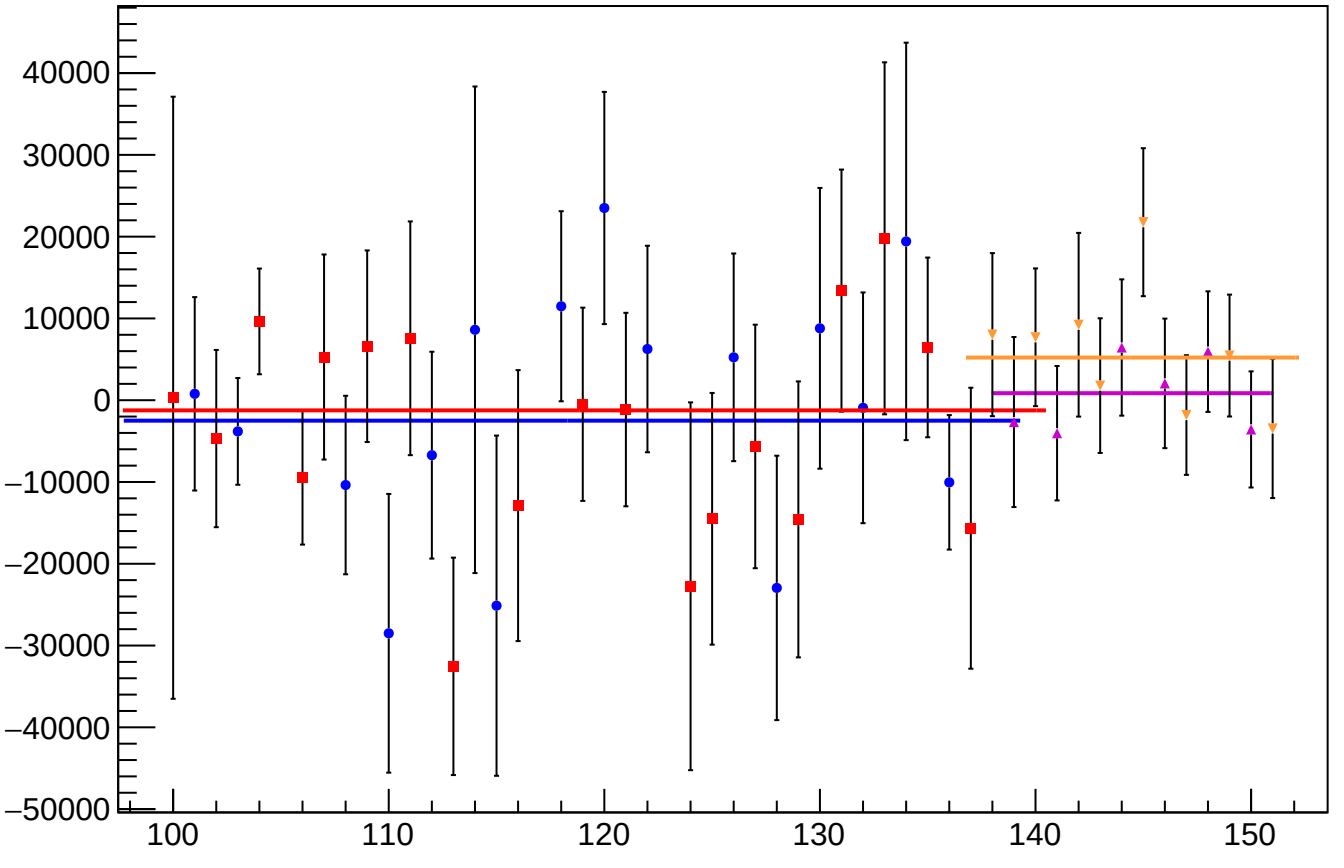
Left: 2533.871+/-0.530 χ^2/NDF: 102435.5/13

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2512.166+/-0.509 χ^2/NDF:653755.7/21

Out: 2493.809+/-0.485 χ^2/NDF:506644.8/26

All: 2502.549+/-0.351 χ^2/NDF: 1161082.7/48



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 5215.502+/-3021.476 χ^2/NDF:5.8/7

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 859.111+/-3285.965 χ^2/NDF:1.8/5

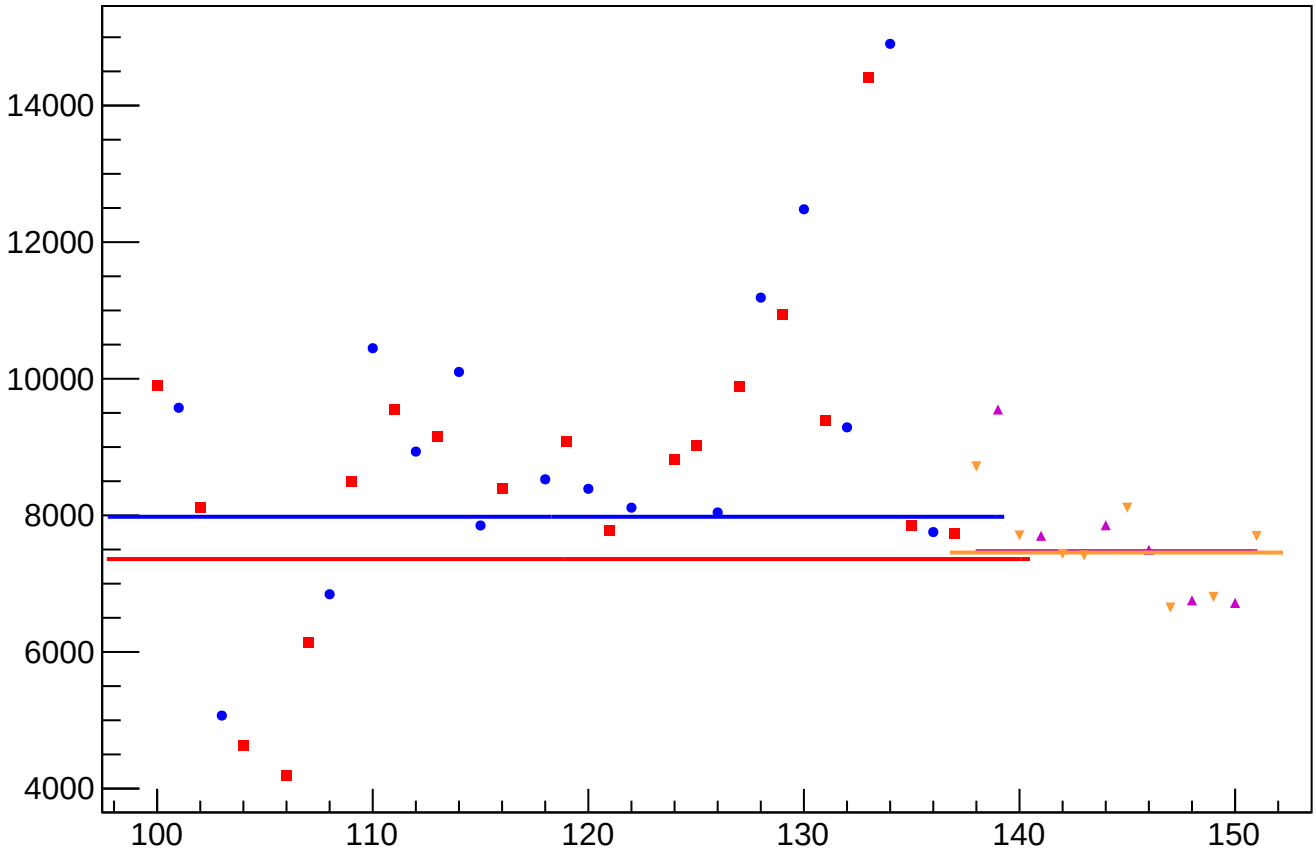
Left: 3219.661+/-2224.142 χ^2/NDF: 8.5/13

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -931.735+/-2245.458 χ^2/NDF:16.1/21

Out: 1800.168+/-2074.279 χ^2/NDF:24.8/26

All: 542.304+/-1523.664 χ^2/NDF: 41.7/48



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7455.871+/-2.137 χ^2/NDF:85422.1/7

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 7476.379+/-2.324 χ^2/NDF:127106.0/5

Left: 7465.266+/-1.573 χ^2/NDF: 212570.2/13

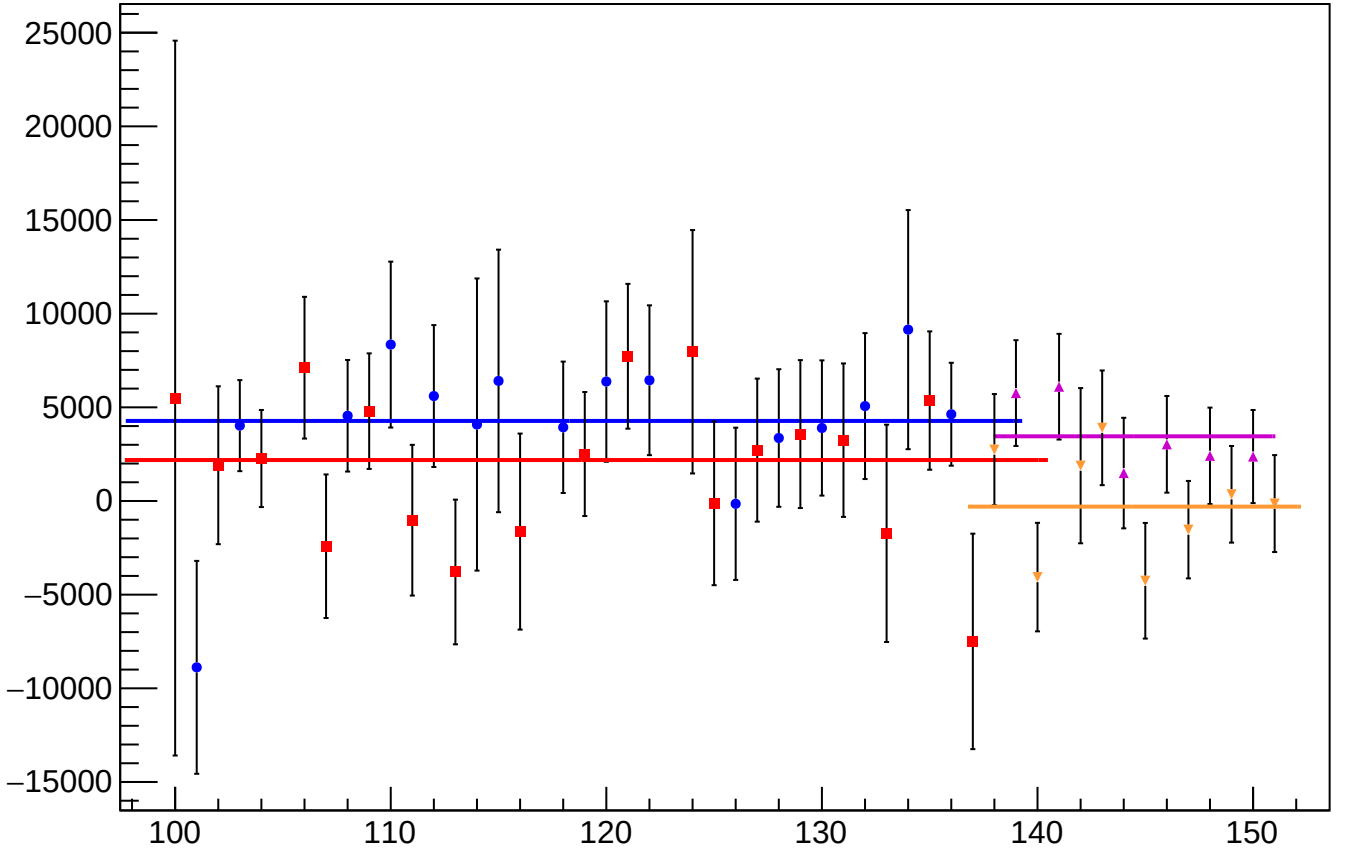
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 7744.554+/-1.588 χ^2/NDF:1075180.8/21

Out: 7405.576+/-1.467 χ^2/NDF:1372478.8/26

All: 7561.653+/-1.077 χ^2/NDF: 2472252.4/48

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -301.028+/-1025.953 χ^2/NDF:6.8/7

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3453.276+/-1098.449 χ^2/NDF:2.4/5

Left: 1448.157+/-749.778 χ^2/NDF: 15.5/13

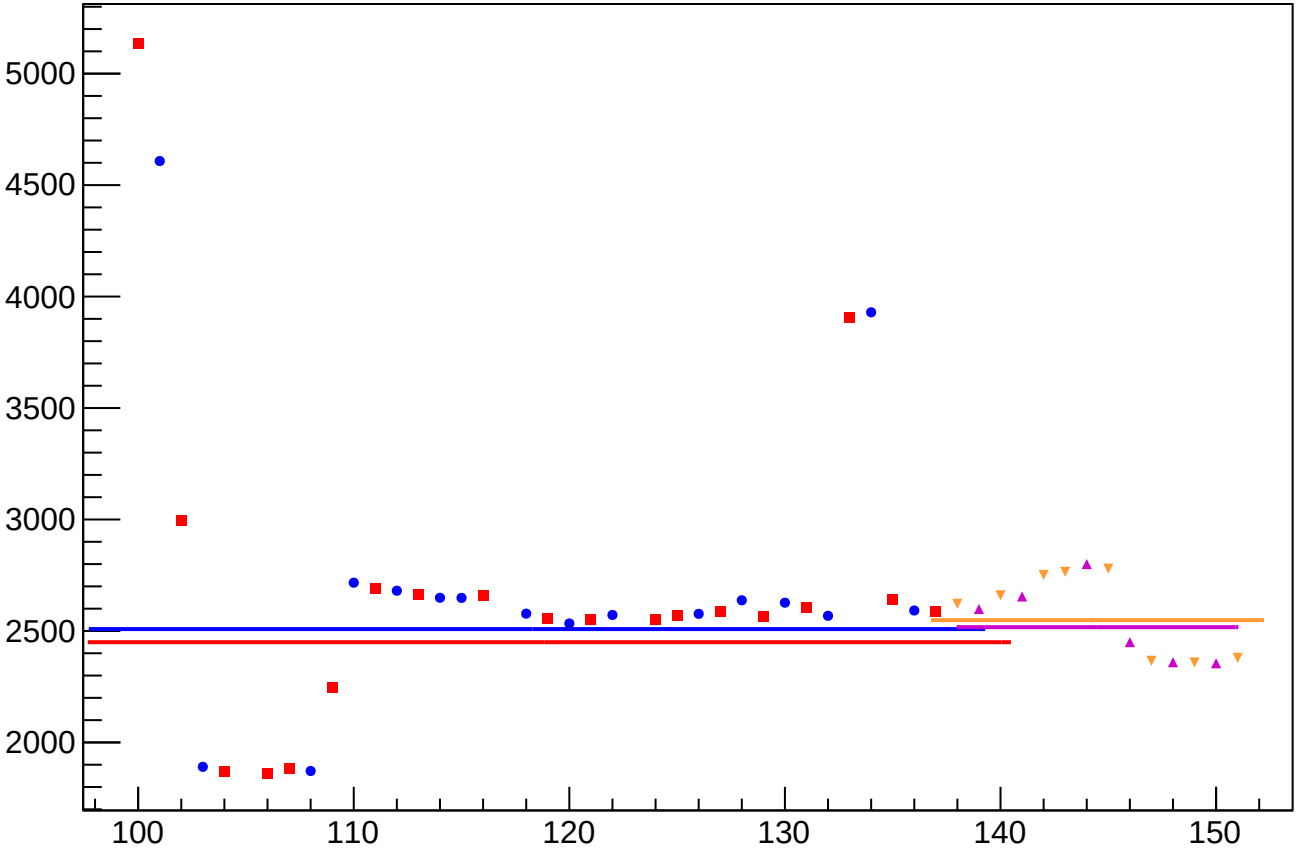
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3921.922+/-719.393 χ^2/NDF:11.6/21

Out: 1075.172+/-685.814 χ^2/NDF:24.9/26

All: 2430.559+/-496.390 χ^2/NDF: 44.7/48

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2548.509+/-0.725 χ^2/NDF:59466.0/7

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2517.092+/-0.777 χ^2/NDF:42095.6/5

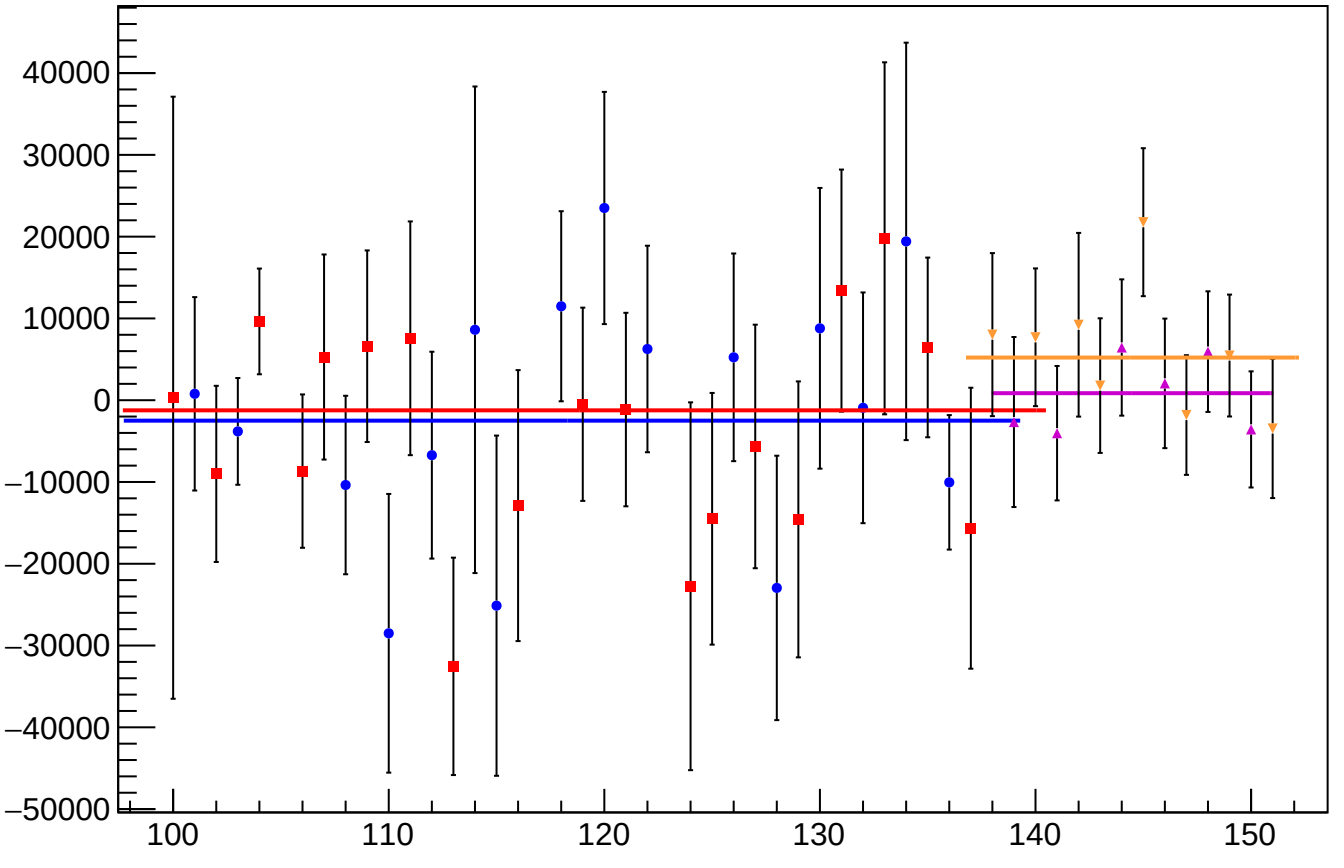
Left: 2533.871+/-0.530 χ^2/NDF: 102435.5/13

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2512.167+/-0.509 χ^2/NDF:653753.5/21

Out: 2493.823+/-0.485 χ^2/NDF:506585.3/26

All: 2502.557+/-0.351 χ^2/NDF: 1161020.0/48



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 5215.480+/-3021.469 χ^2/NDF:5.8/7

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 859.316+/-3285.964 χ^2/NDF:1.8/5

Left: 3219.748+/-2224.138 χ^2/NDF: 8.5/13

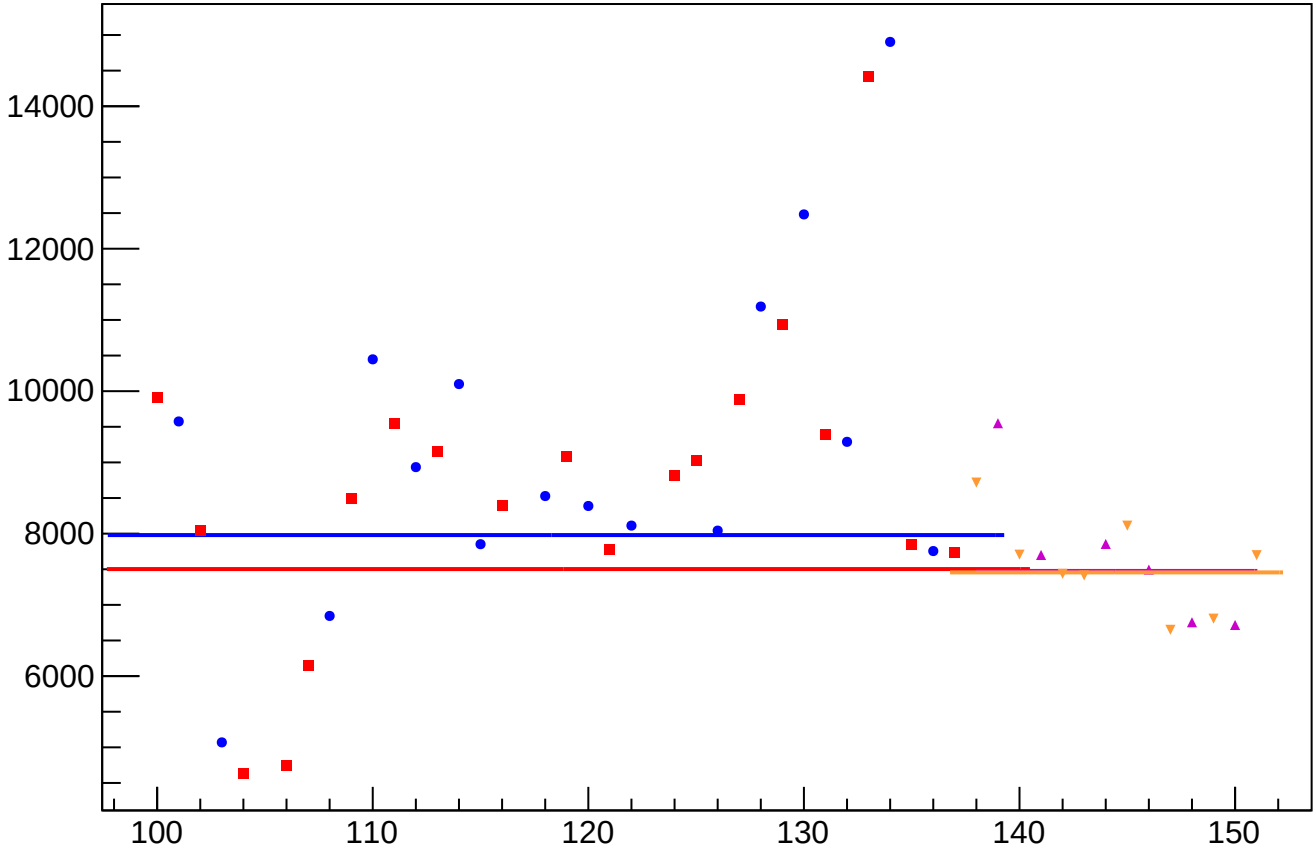
Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -931.472+/-2245.492 χ^2/NDF:16.1/21

Out: 1848.157+/-2089.776 χ^2/NDF:24.8/26

All: 558.054+/-1529.785 χ^2/NDF: 41.7/48

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7455.853+/-2.137 χ^2/NDF:85422.9/7

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7476.376+/-2.324 χ^2/NDF:127105.9/5

Left: 7465.255+/-1.573 χ^2/NDF: 212571.1/13

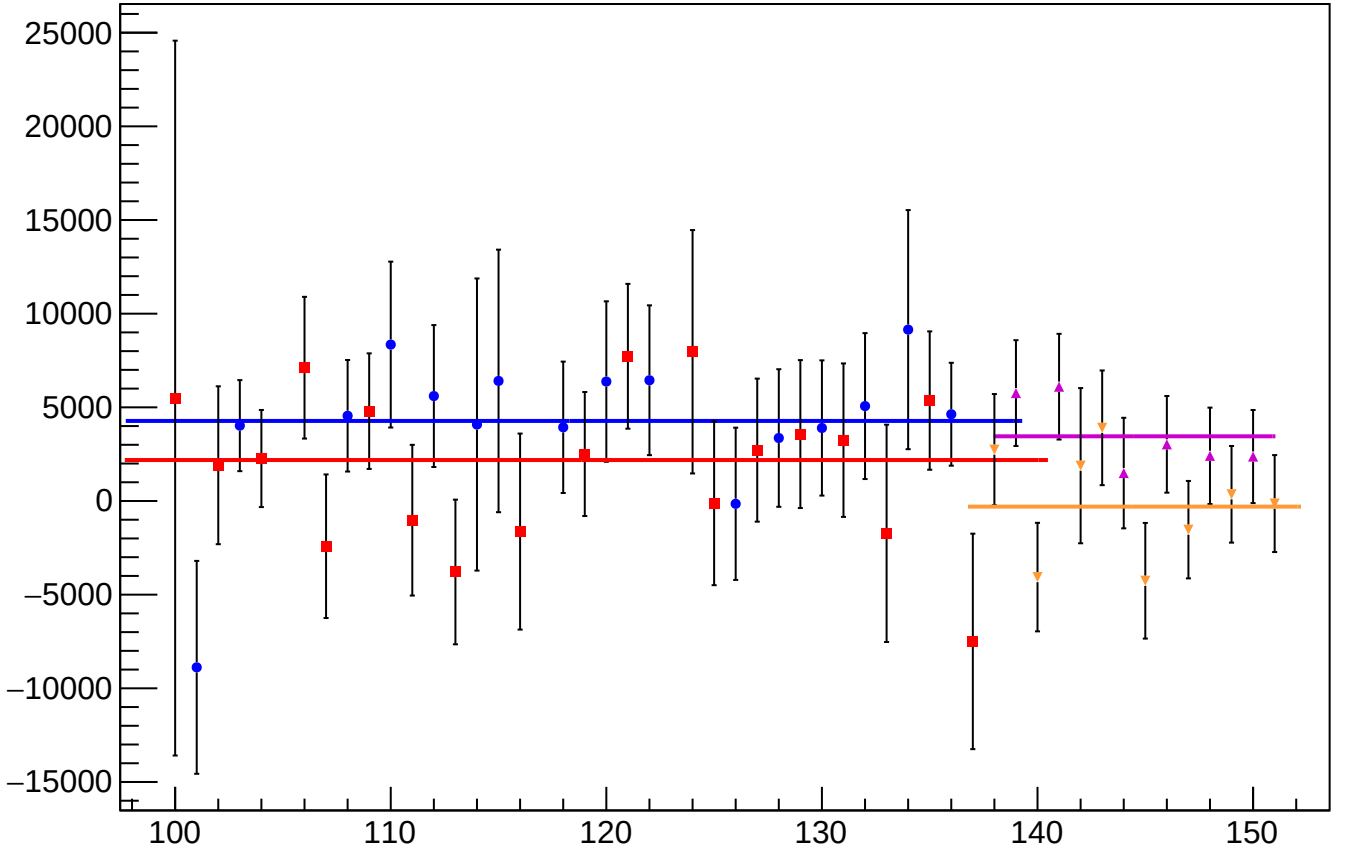
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7744.718+/-1.588 χ^2/NDF:1074914.2/21

Out: 7480.282+/-1.478 χ^2/NDF:1221197.0/26

All: 7603.014+/-1.082 χ^2/NDF: 2310974.3/48

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -301.028+/-1025.953 χ^2/NDF:6.8/7

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3453.276+/-1098.449 χ^2/NDF:2.4/5

Left: 1448.157+/-749.778 χ^2/NDF: 15.5/13

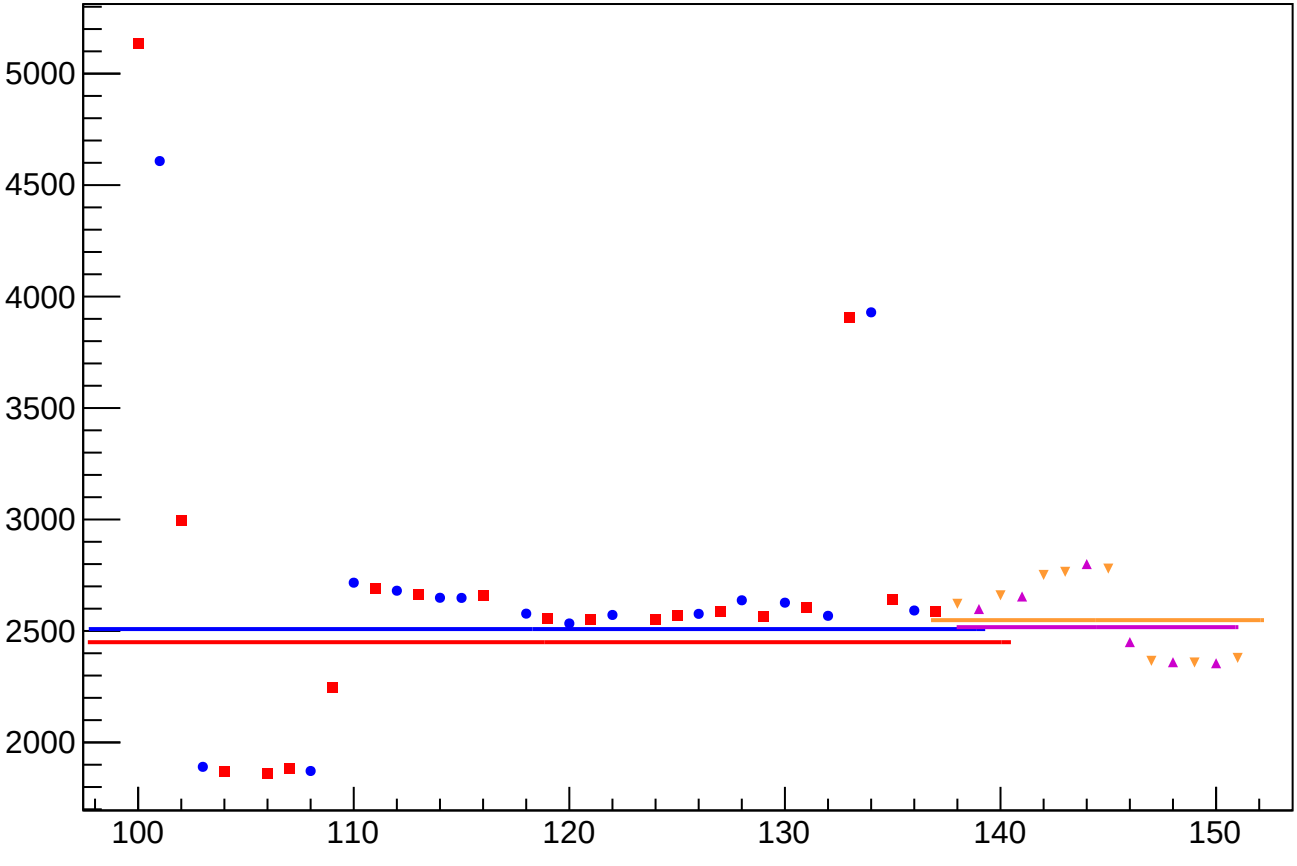
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3921.922+/-719.393 χ^2/NDF:11.6/21

Out: 1075.172+/-685.814 χ^2/NDF:24.9/26

All: 2430.559+/-496.390 χ^2/NDF: 44.7/48

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2548.509+/-0.725 χ^2/NDF:59466.0/7

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2517.092+/-0.777 χ^2/NDF:42095.6/5

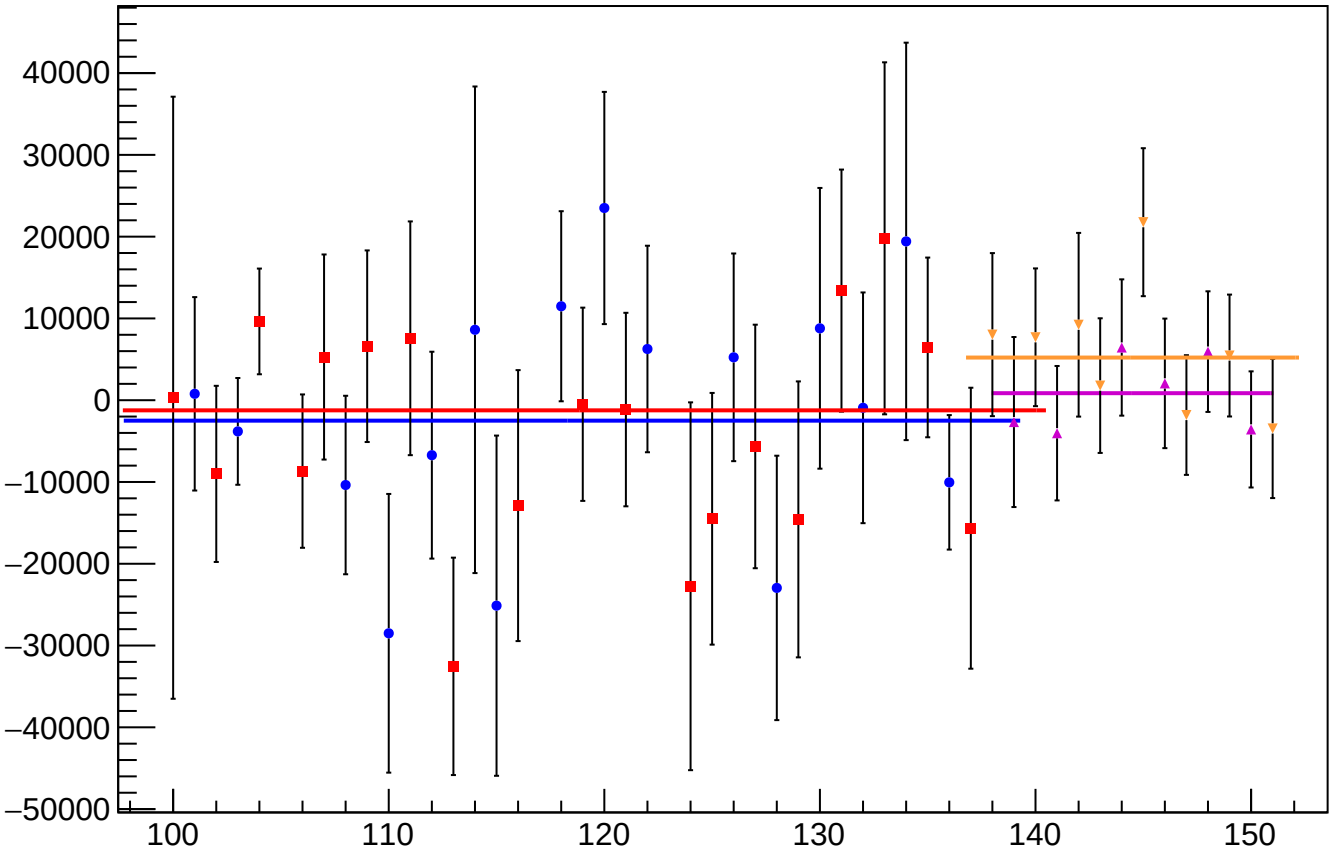
Left: 2533.871+/-0.530 χ^2/NDF: 102435.5/13

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2512.167+/-0.509 χ^2/NDF:653753.5/21

Out: 2493.823+/-0.485 χ^2/NDF:506585.3/26

All: 2502.557+/-0.351 χ^2/NDF: 1161020.0/48



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 5215.480+/-3021.469 χ^2/NDF:5.8/7

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 859.316+/-3285.964 χ^2/NDF:1.8/5

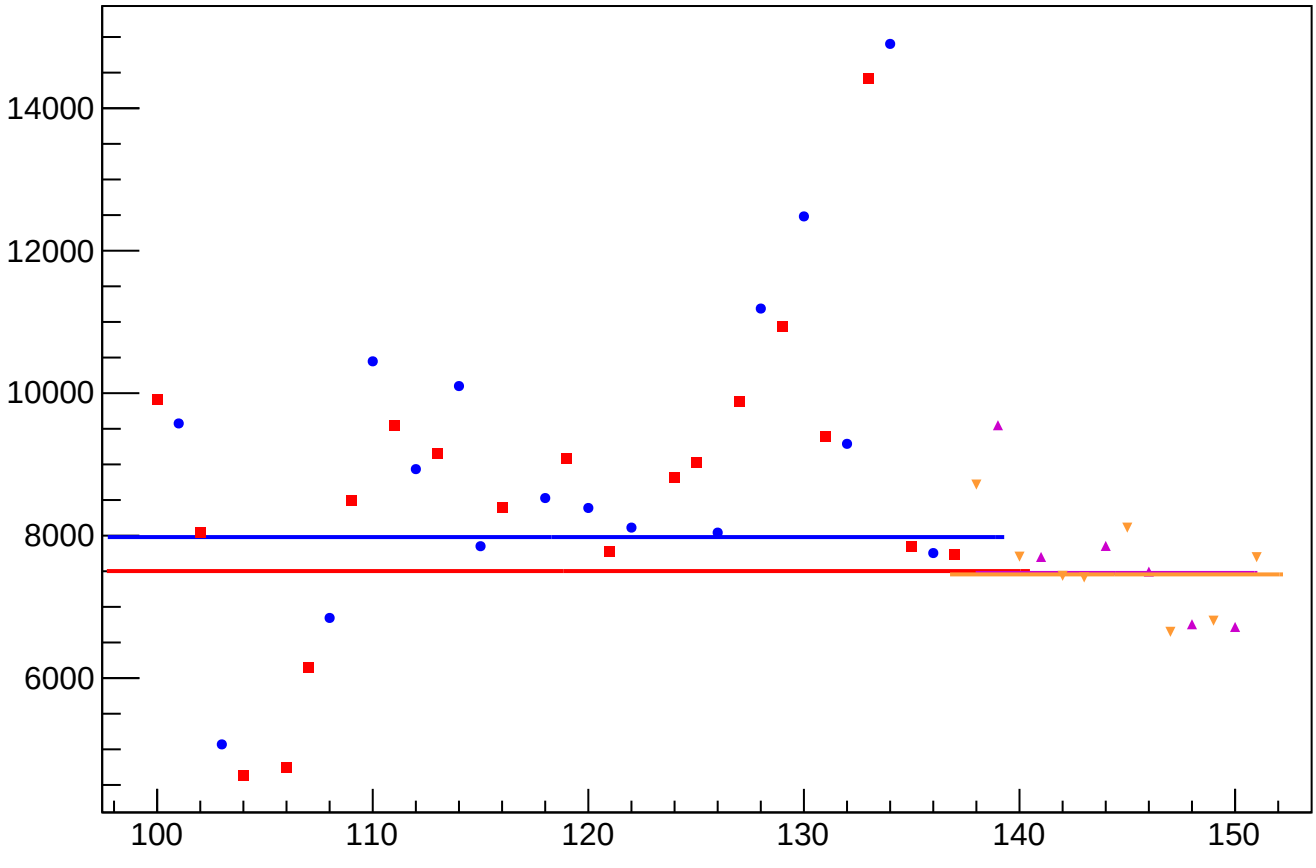
Left: 3219.748+/-2224.138 χ^2/NDF: 8.5/13

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -931.472+/-2245.492 χ^2/NDF:16.1/21

Out: 1848.157+/-2089.776 χ^2/NDF:24.8/26

All: 558.054+/-1529.785 χ^2/NDF: 41.7/48



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7455.853+/-2.137 χ^2/NDF:85422.9/7

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7476.376+/-2.324 χ^2/NDF:127105.9/5

Left: 7465.255+/-1.573 χ^2/NDF: 212571.1/13

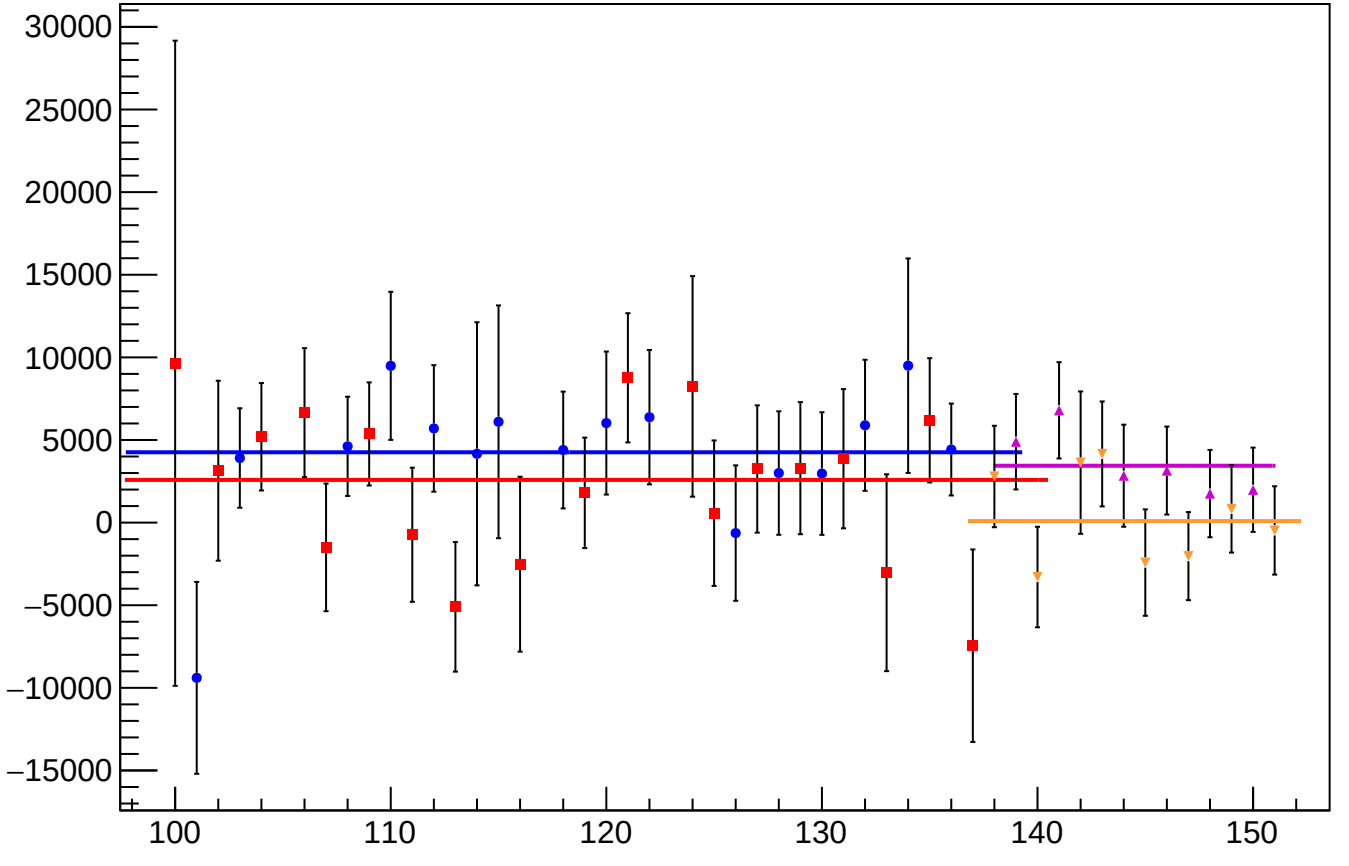
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7744.718+/-1.588 χ^2/NDF:1074914.2/21

Out: 7480.282+/-1.478 χ^2/NDF:1221197.0/26

All: 7603.014+/-1.082 χ^2/NDF: 2310974.3/48

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 92.359+/-1061.728 χ^2/NDF:5.7/7

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3441.452+/-1132.133 χ^2/NDF:2.4/5

Left: 1659.538+/-774.450 χ^2/NDF: 12.7/13

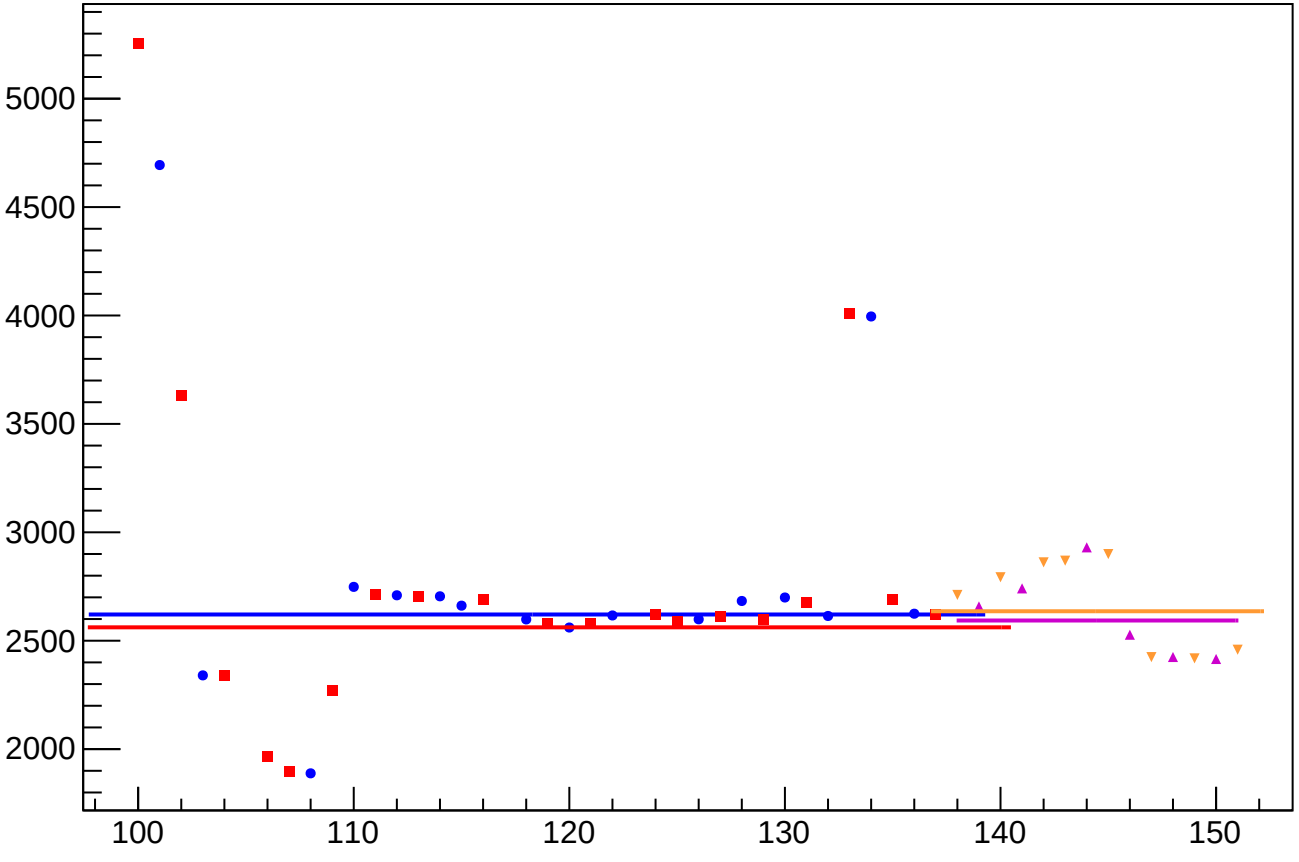
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3903.372+/-745.483 χ^2/NDF:12.7/21

Out: 1455.862+/-714.536 χ^2/NDF:26.3/26

All: 2627.763+/-515.847 χ^2/NDF: 44.7/48

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2635.903+/-0.751 χ^2/NDF:71093.2/7

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2593.223+/-0.801 χ^2/NDF:49050.3/5

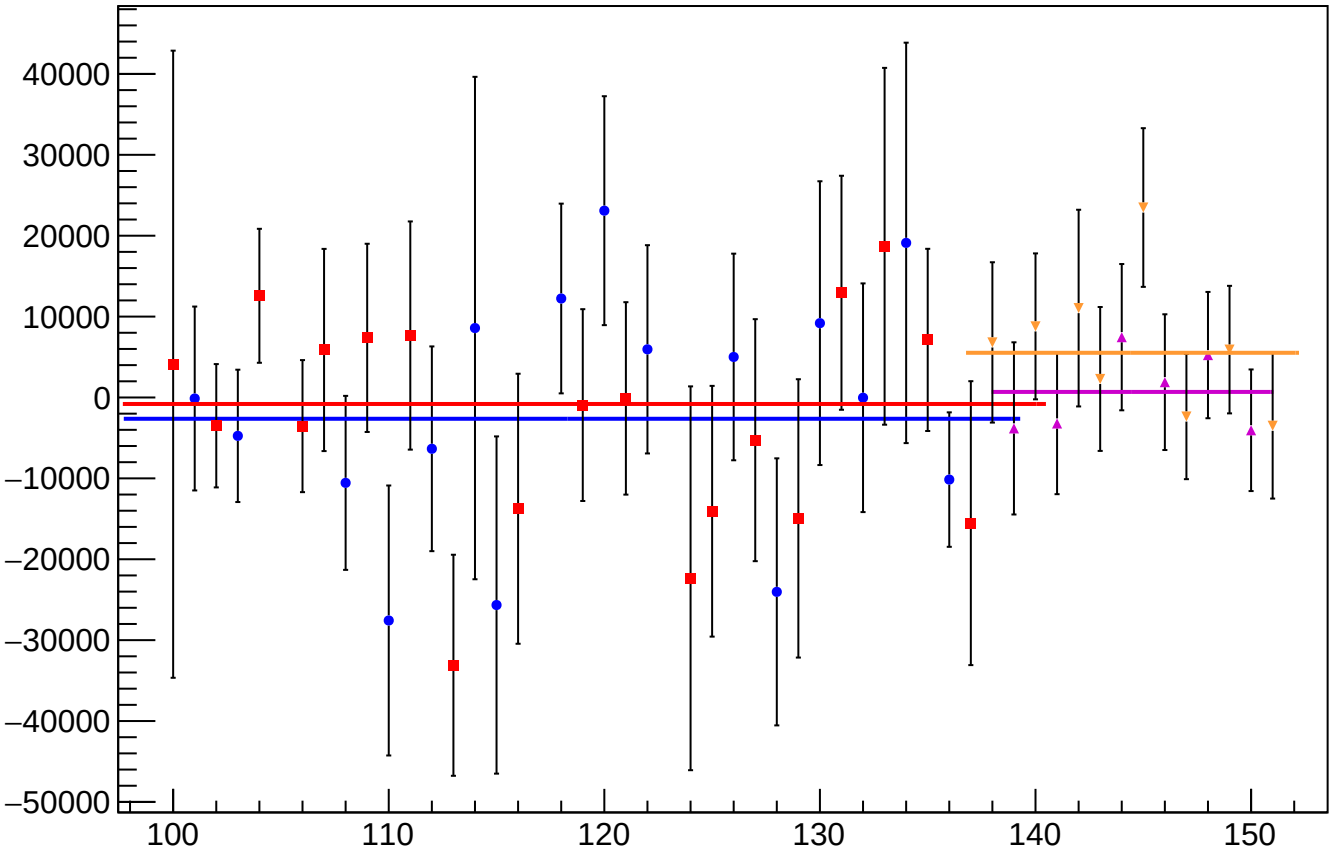
Left: 2615.931+/-0.548 χ^2/NDF: 121655.8/13

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2608.935+/-0.527 χ^2/NDF:535644.6/21

Out: 2595.296+/-0.505 χ^2/NDF:454697.2/26

All: 2601.825+/-0.365 χ^2/NDF: 990690.8/48



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 5525.588+/-3204.855 χ^2/NDF:5.9/7

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 686.836+/-3482.660 χ^2/NDF:1.7/5

Left: 3306.872+/-2358.280 χ^2/NDF: 8.6/13

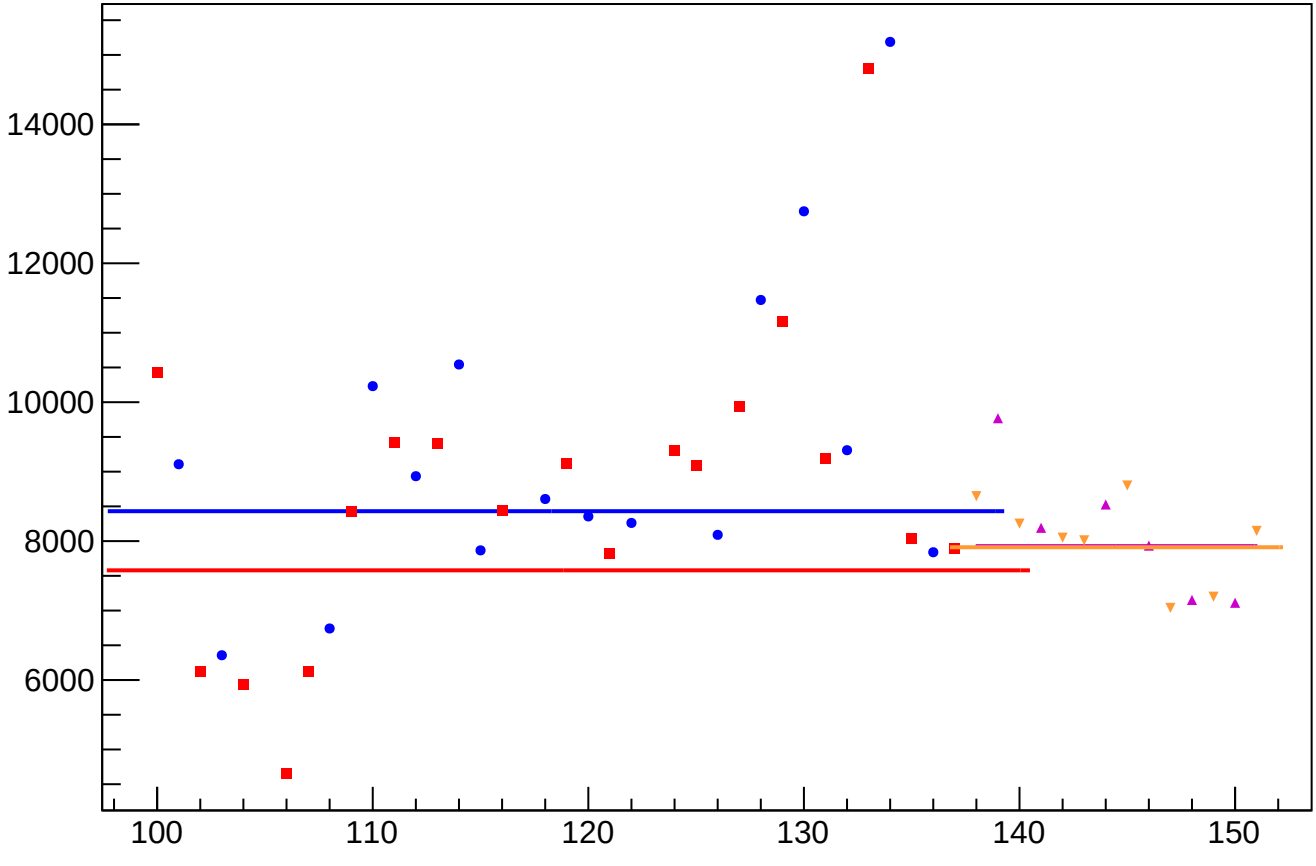
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -1106.752+/-2360.926 χ^2/NDF:16.0/21

Out: 2016.771+/-2139.227 χ^2/NDF:23.4/26

All: 608.517+/-1585.260 χ^2/NDF: 40.4/48

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 7911.660+/-2.266 χ^2/NDF:73888.9/7

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 7927.930+/-2.463 χ^2/NDF:113698.6/5

Left: 7919.120+/-1.668 χ^2/NDF: 187611.2/13

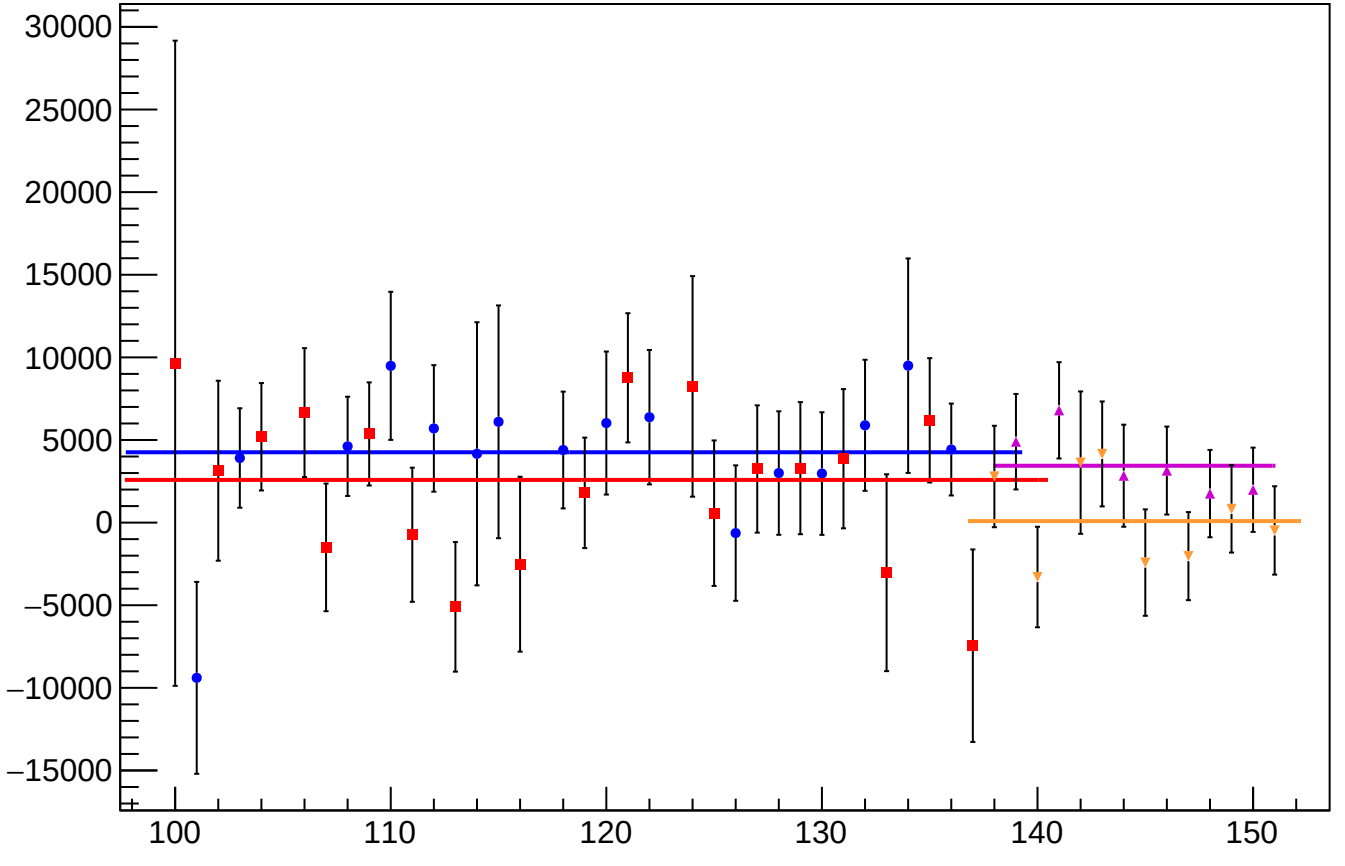
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8199.684+/-1.669 χ^2/NDF:716526.3/21

Out: 7727.279+/-1.513 χ^2/NDF:1059955.2/26

All: 7940.265+/-1.121 χ^2/NDF: 1820454.1/48

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 92.355+/-1061.729 χ^2/NDF:5.7/7

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3441.446+/-1132.134 χ^2/NDF:2.4/5

Left: 1659.533+/-774.450 χ^2/NDF: 12.7/13

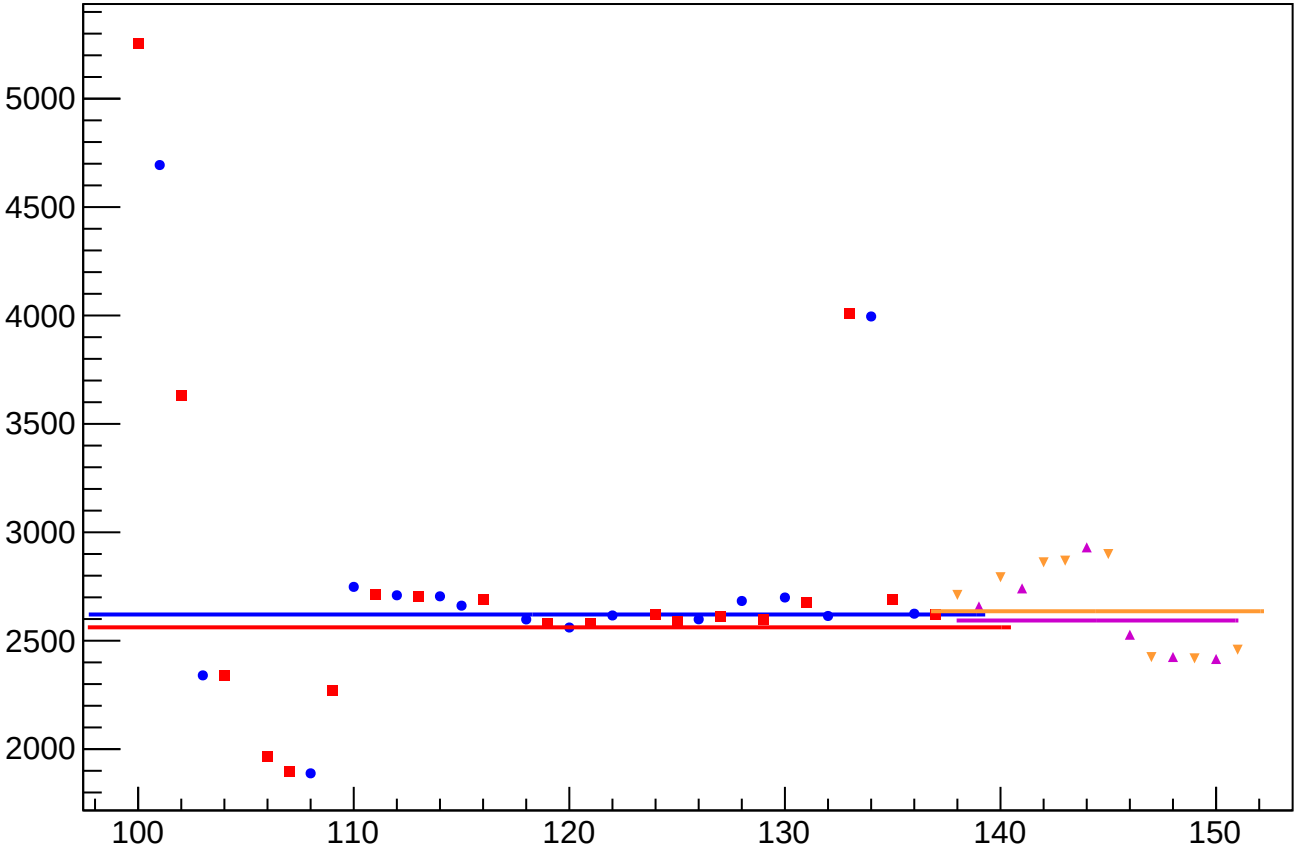
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3903.374+/-745.483 χ^2/NDF:12.7/21

Out: 1455.867+/-714.536 χ^2/NDF:26.3/26

All: 2627.766+/-515.847 χ^2/NDF: 44.7/48

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2635.905+/-0.751 χ^2/NDF:71093.3/7

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2593.225+/-0.801 χ^2/NDF:49050.0/5

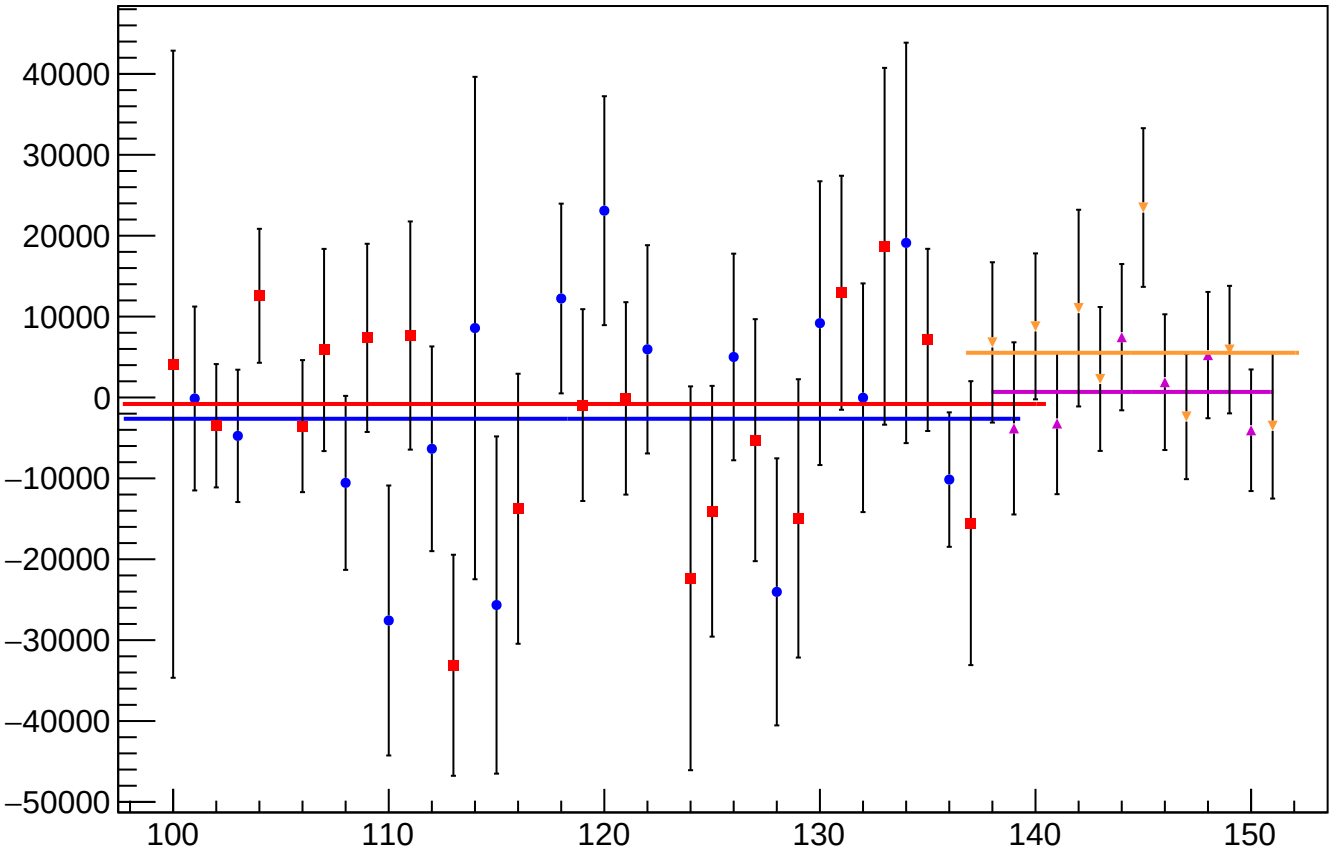
Left: 2615.933+/-0.548 χ^2/NDF: 121655.6/13

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2608.936+/-0.527 χ^2/NDF:535644.3/21

Out: 2595.297+/-0.505 χ^2/NDF:454697.1/26

All: 2601.825+/-0.365 χ^2/NDF: 990690.4/48



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 5525.589+/-3204.860 χ^2/NDF:5.9/7

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 686.827+/-3482.665 χ^2/NDF:1.7/5

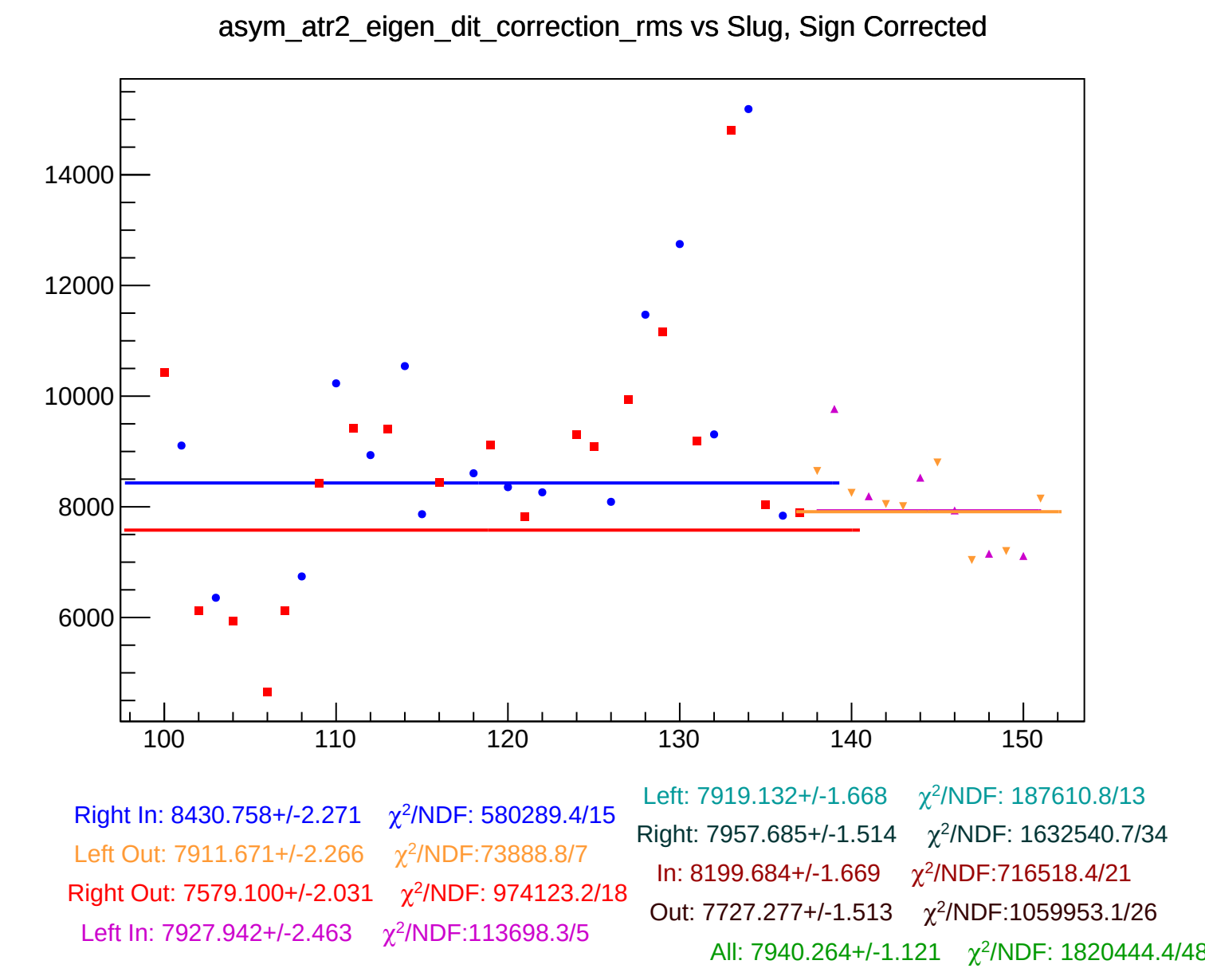
Left: 3306.868+/-2358.283 χ^2/NDF: 8.6/13

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

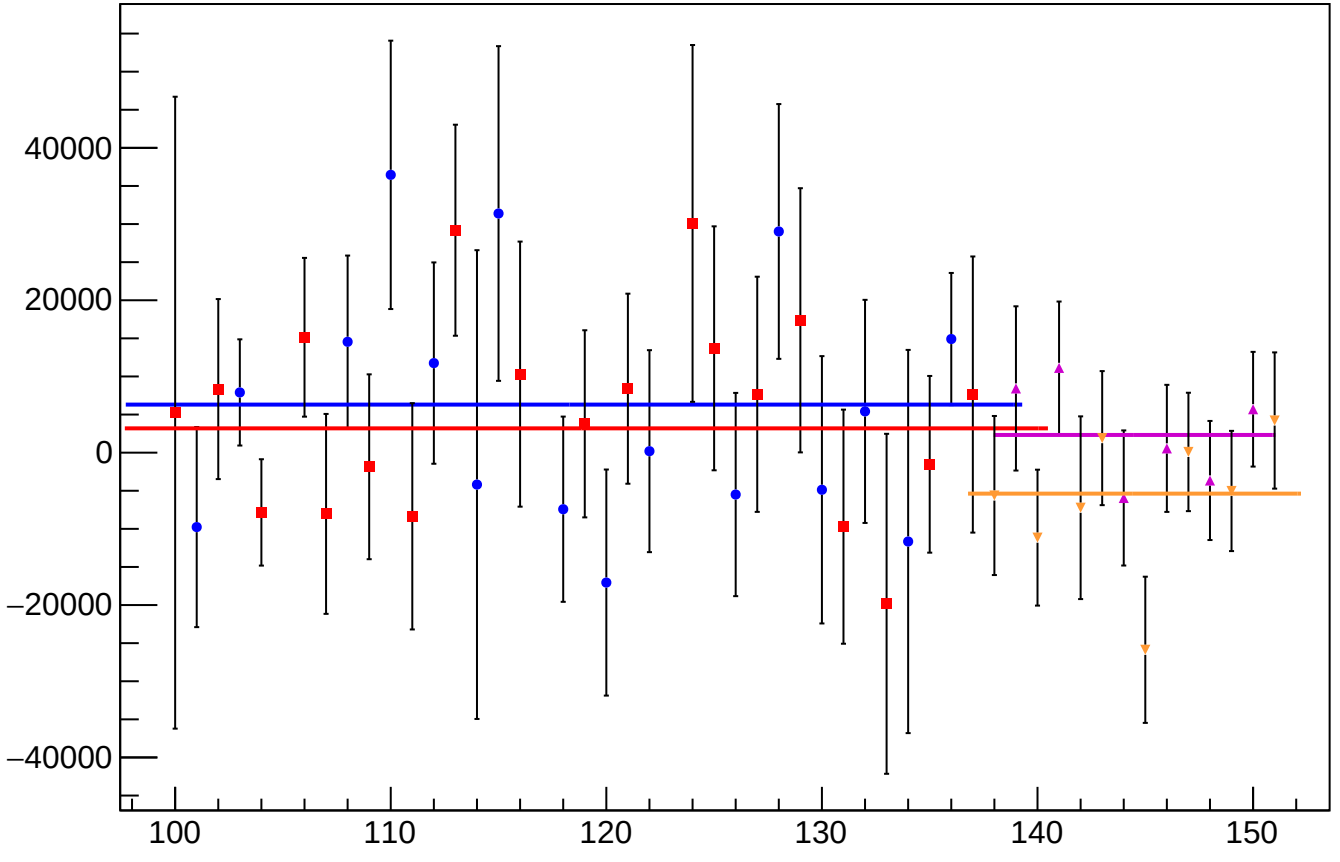
In: -1106.742+/-2360.926 χ^2/NDF:16.0/21

Out: 2016.764+/-2139.226 χ^2/NDF:23.4/26

All: 608.518+/-1585.260 χ^2/NDF: 40.4/48


asym_atr2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 8430.758+/-2.271 χ²/NDF: 580289.4/15
Left Out: 7911.671+/-2.266 χ²/NDF:73888.8/7
Right Out: 7579.100+/-2.031 χ²/NDF: 974123.2/18
Left In: 7927.942+/-2.463 χ²/NDF:113698.3/5
Left: 7919.132+/-1.668 χ²/NDF: 187610.8/13
Right: 7957.685+/-1.514 χ²/NDF: 1632540.7/34
In: 8199.684+/-1.669 χ²/NDF:716518.4/21
Out: 7727.277+/-1.513 χ²/NDF:1059953.1/26
All: 7940.264+/-1.121 χ²/NDF: 1820444.4/48

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -5376.853+/-3200.171 χ^2/NDF:7.3/7

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 2323.215+/-3472.290 χ^2/NDF:3.0/5

Left: -1840.325+/-2353.191 χ^2/NDF: 13.0/13

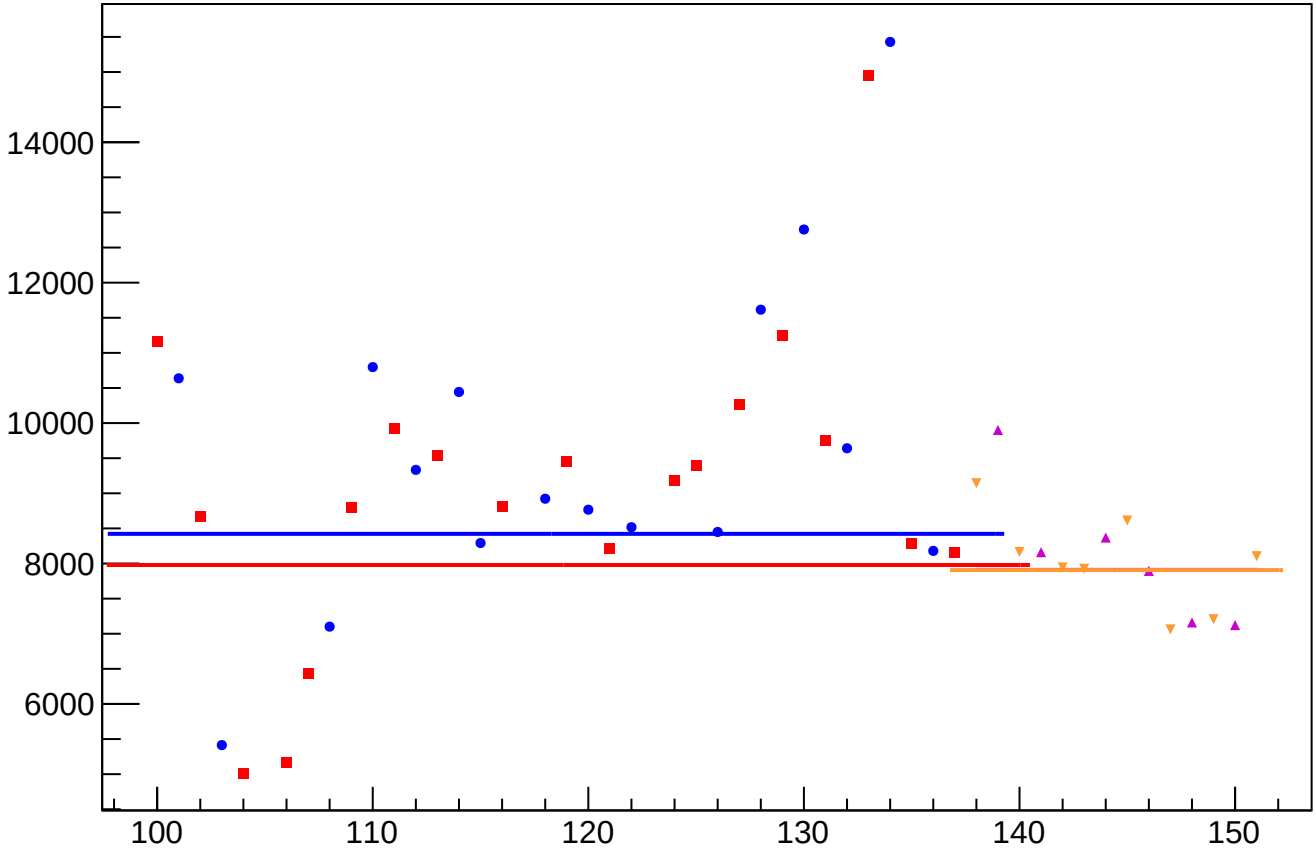
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 4453.008+/-2368.776 χ^2/NDF:18.9/21

Out: -914.101+/-2214.898 χ^2/NDF:25.0/26

All: 1589.477+/-1617.836 χ^2/NDF: 46.6/48

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 7906.450+/-2.263 χ^2/NDF:80946.5/7

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 7909.482+/-2.455 χ^2/NDF:115631.2/5

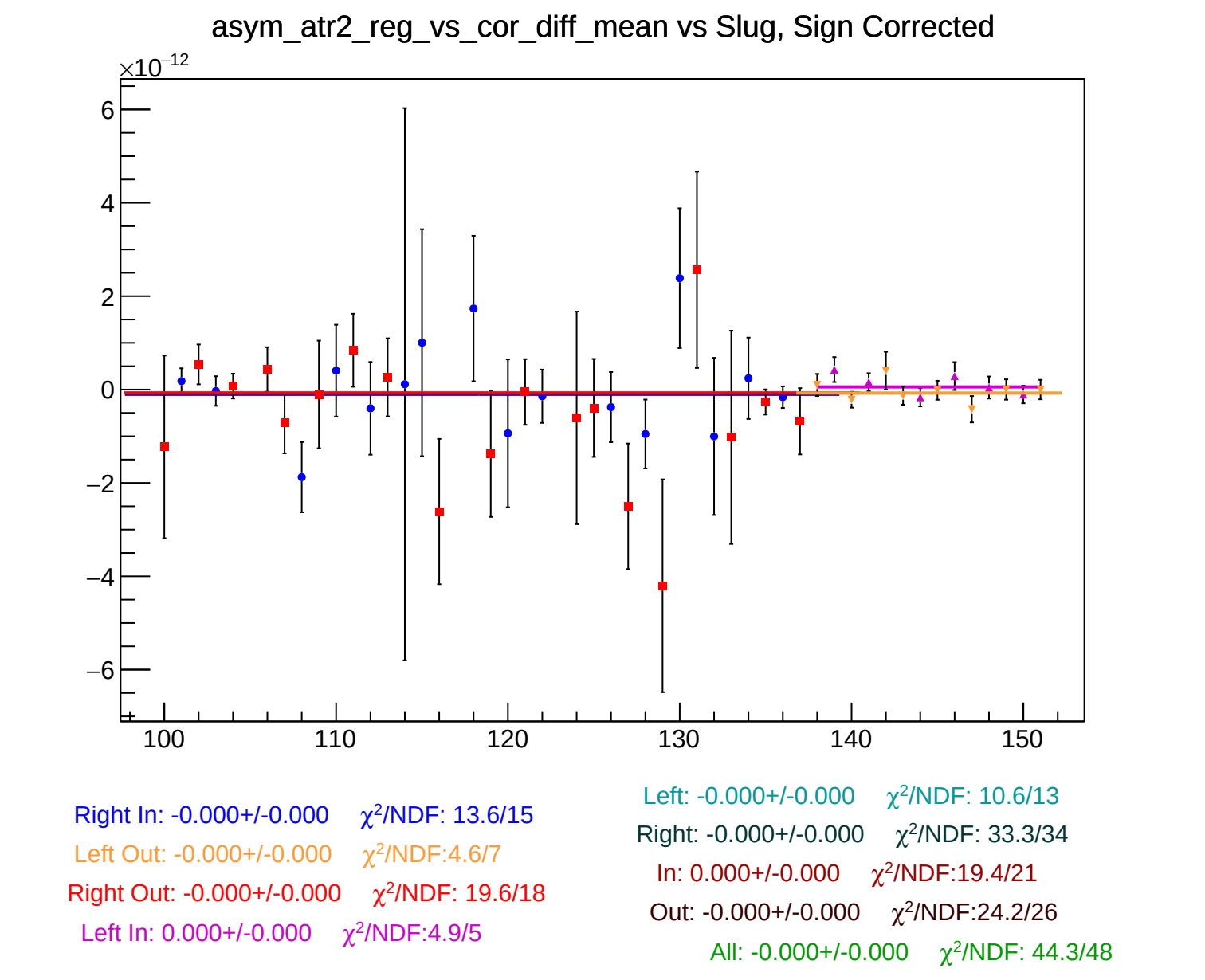
Left: 7907.842+/-1.664 χ^2/NDF: 196578.6/13

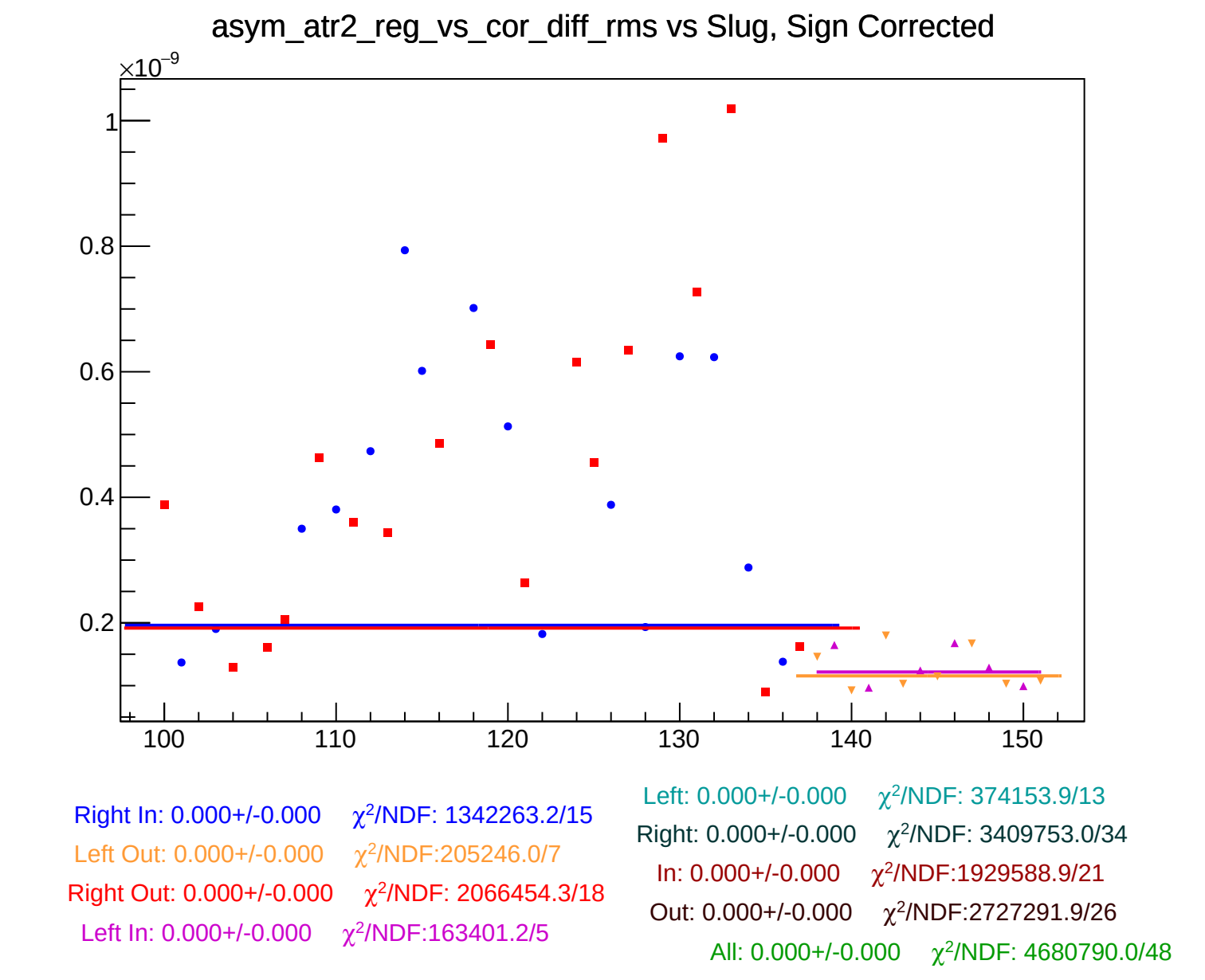
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

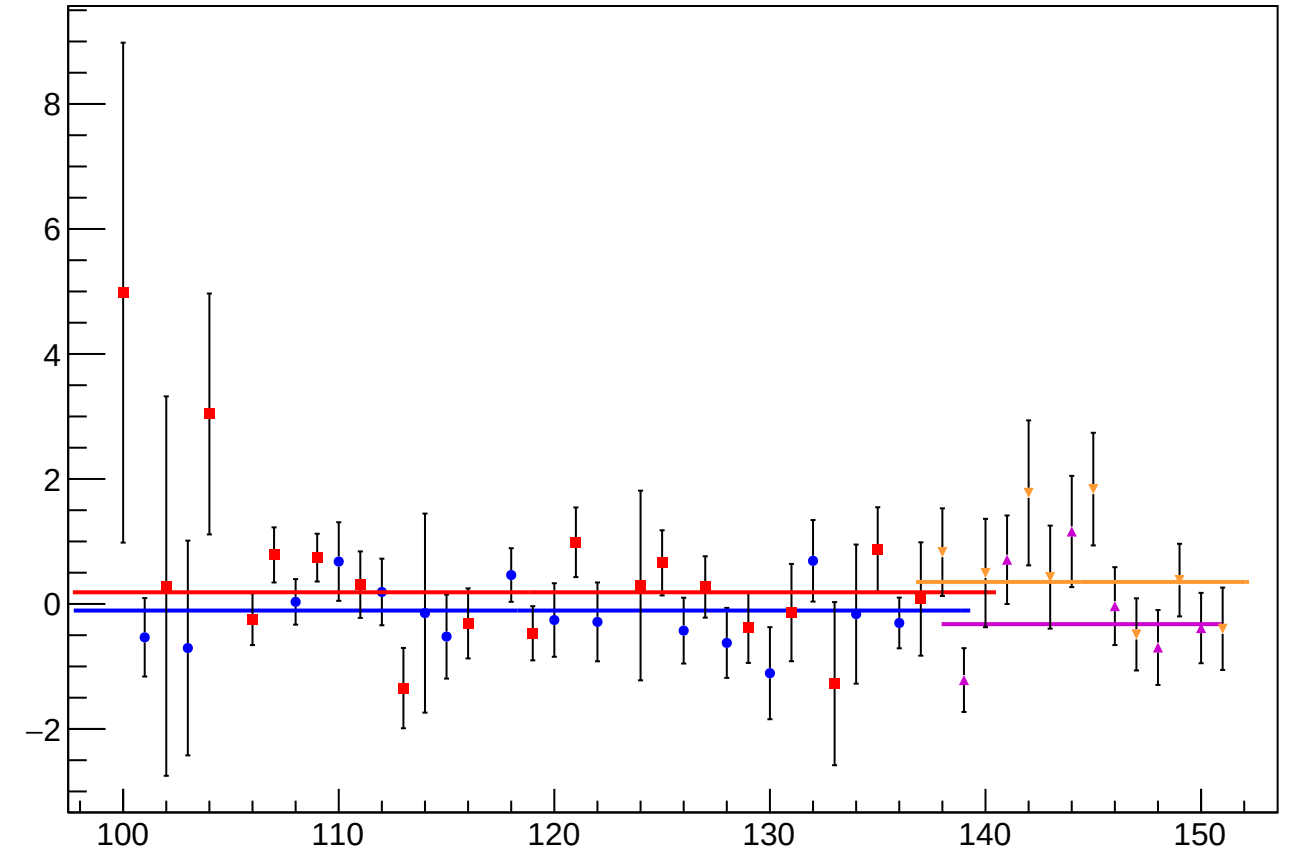
In: 8183.863+/-1.675 χ^2/NDF:1020824.9/21

Out: 7944.246+/-1.566 χ^2/NDF:1097501.0/26

All: 8056.018+/-1.144 χ^2/NDF: 2129245.0/48


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:4.6/7
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:4.9/5
Left: -0.000+/-0.000 χ²/NDF: 10.6/13
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:19.4/21
Out: -0.000+/-0.000 χ²/NDF:24.2/26
All: -0.000+/-0.000 χ²/NDF: 44.3/48


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:205246.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:163401.2/5
Left: 0.000+/-0.000 χ²/NDF: 374153.9/13
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:1929588.9/21
Out: 0.000+/-0.000 χ²/NDF:2727291.9/26
All: 0.000+/-0.000 χ²/NDF: 4680790.0/48



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.323+/-0.253 χ^2/NDF:8.6/5

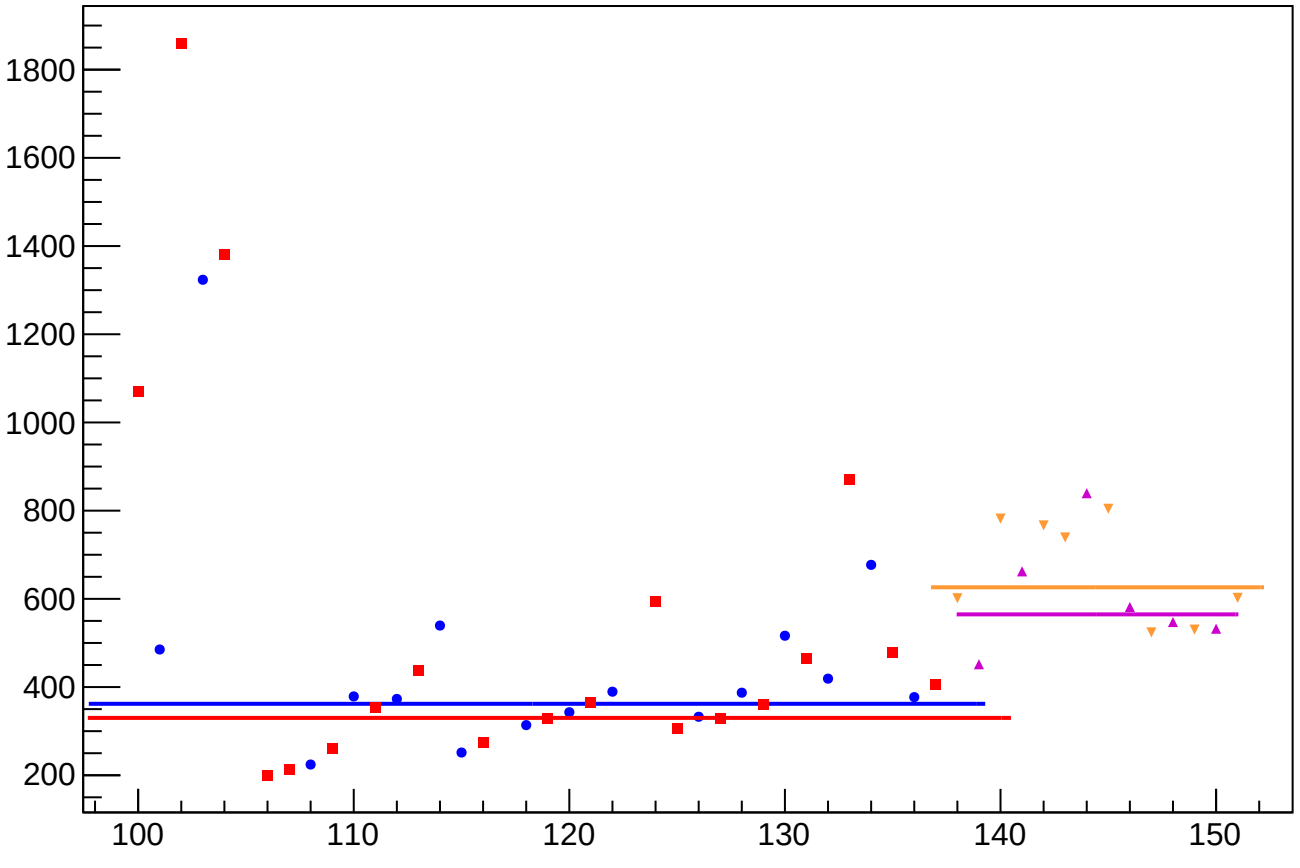
Left: 0.009+/-0.180 χ^2/NDF: 20.2/13

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.159+/-0.126 χ^2/NDF:18.8/21

Out: 0.224+/-0.121 χ^2/NDF:32.3/26

All: 0.039+/-0.087 χ^2/NDF: 56.0/48



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 626.237+/-0.182 χ^2/NDF:331882.8/7

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 564.792+/-0.179 χ^2/NDF:336556.1/5

Left: 594.982+/-0.128 χ^2/NDF: 726362.5/13

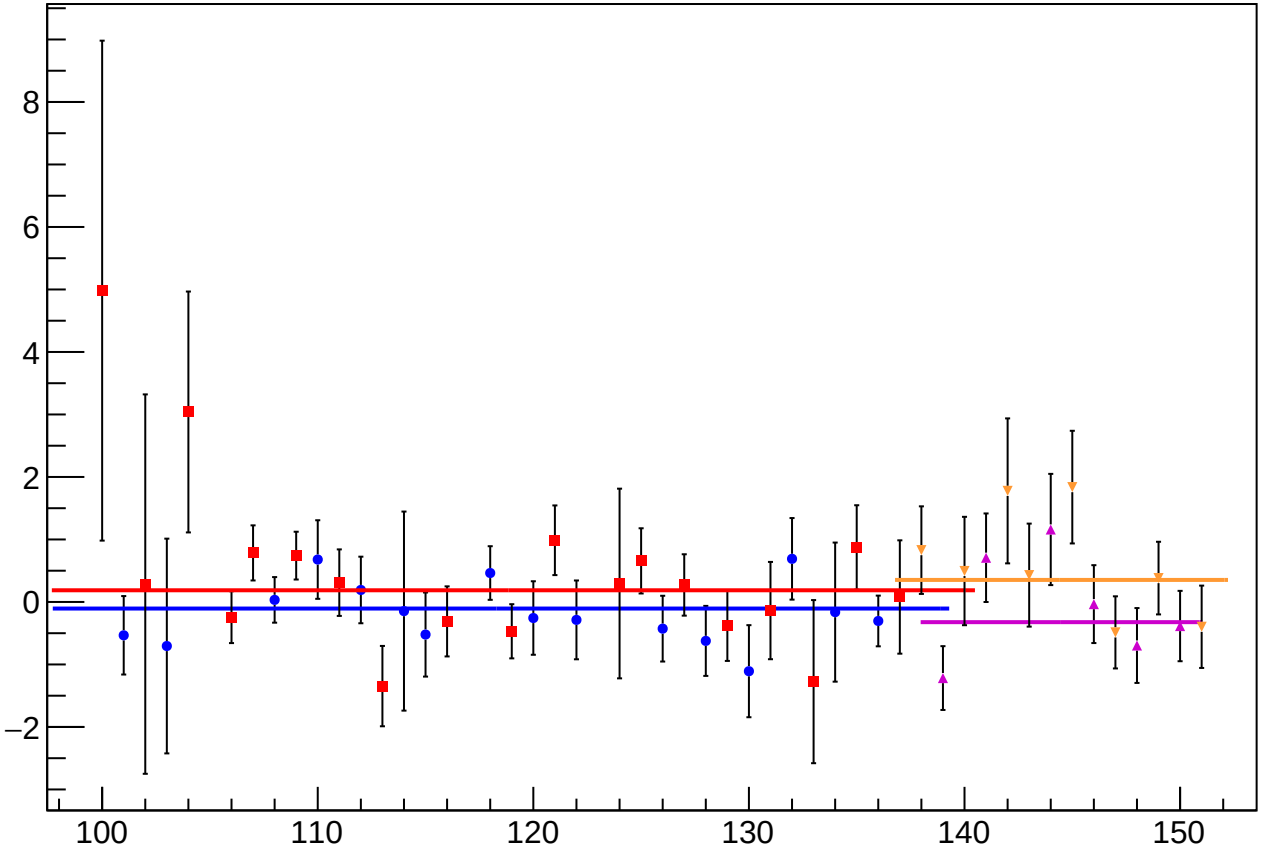
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 411.980+/-0.089 χ^2/NDF:2681344.4/21

Out: 395.725+/-0.086 χ^2/NDF:4637463.9/26

All: 403.564+/-0.062 χ^2/NDF: 7336150.4/48

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: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.323+/-0.253 χ^2/NDF:8.6/5

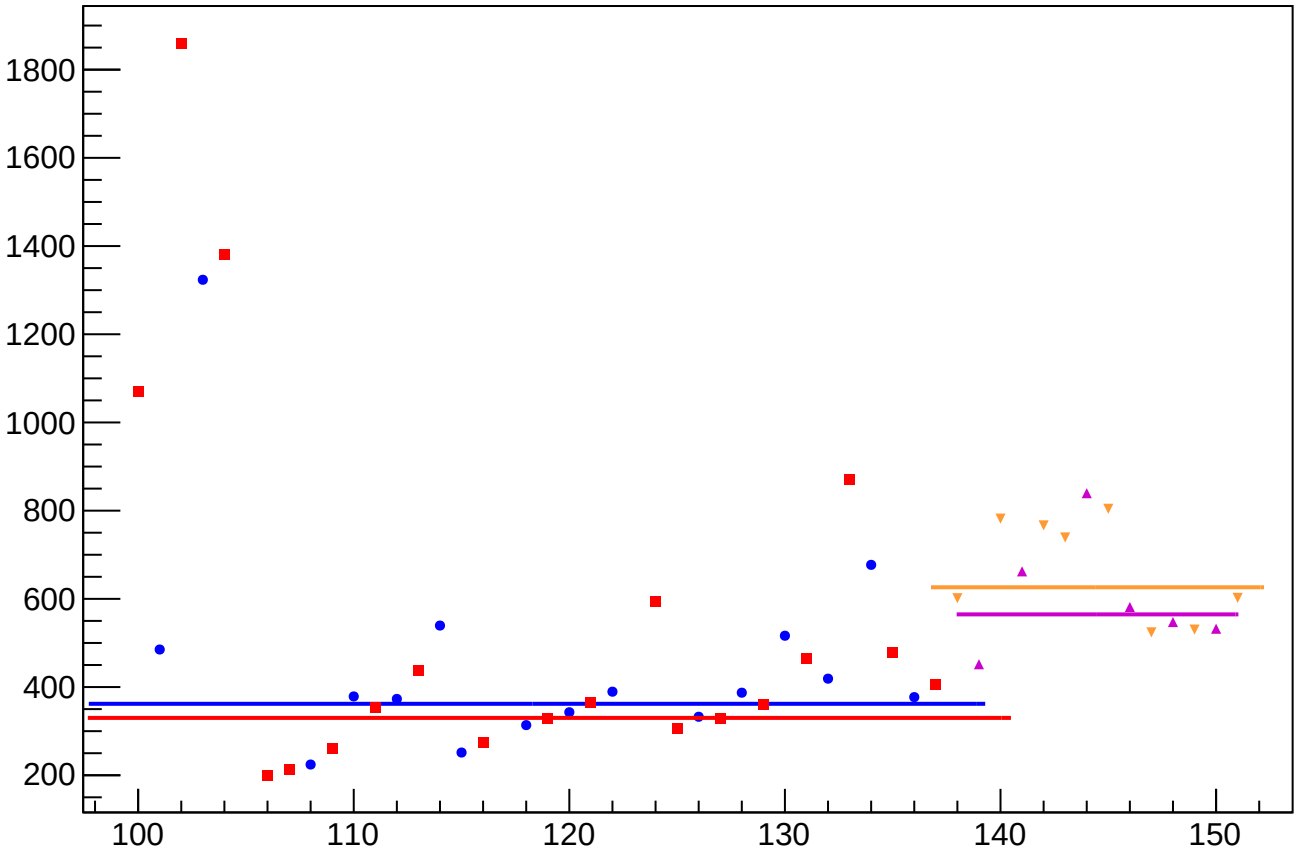
Left: 0.009+/-0.180 χ^2/NDF: 20.2/13

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.159+/-0.126 χ^2/NDF:18.8/21

Out: 0.224+/-0.121 χ^2/NDF:32.3/26

All: 0.039+/-0.087 χ^2/NDF: 56.0/48



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 626.237+/-0.182 χ^2/NDF:331882.8/7

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 564.792+/-0.179 χ^2/NDF:336556.1/5

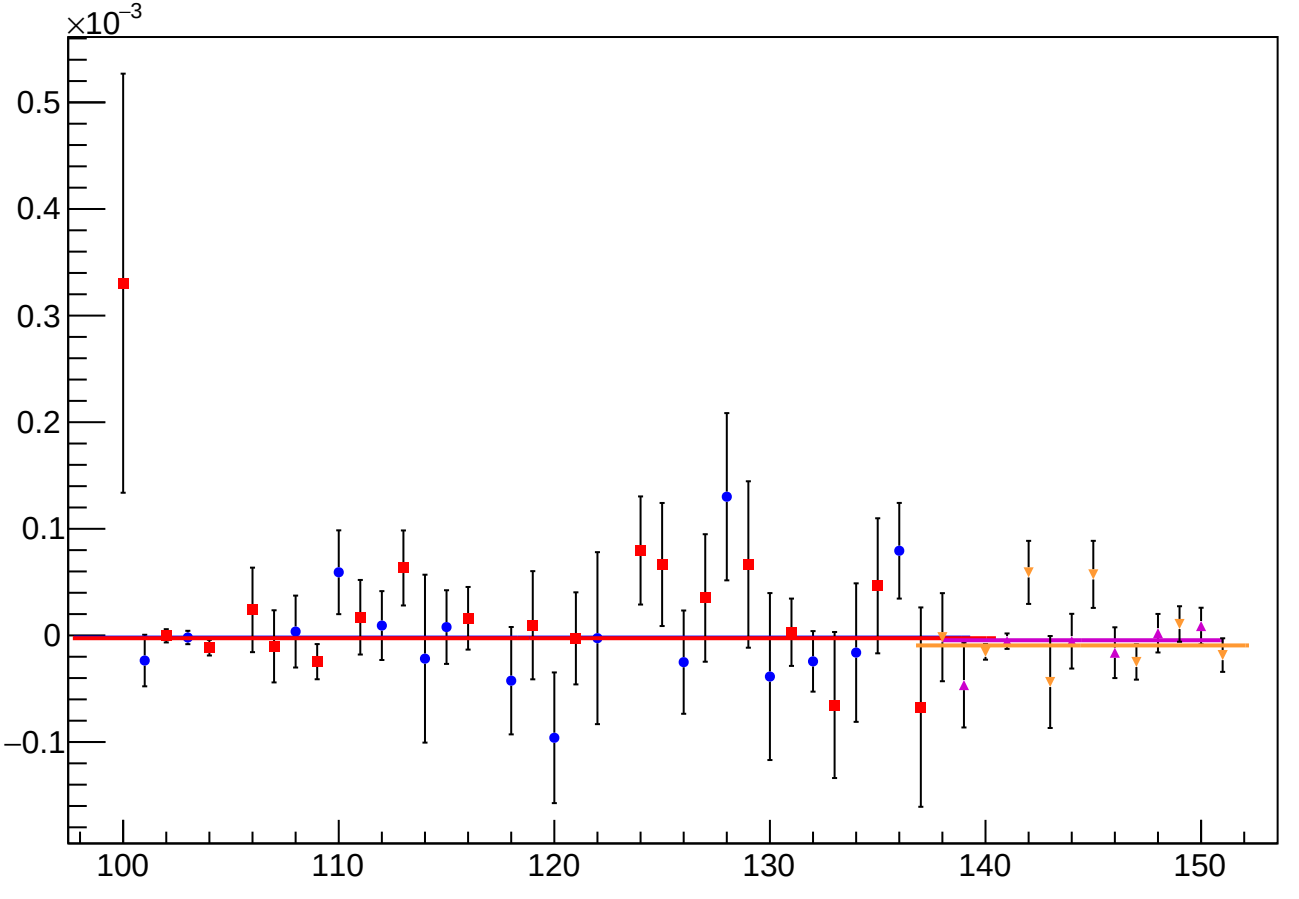
Left: 594.982+/-0.128 χ^2/NDF: 726362.5/13

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 411.980+/-0.089 χ^2/NDF:2681344.4/21

Out: 395.725+/-0.086 χ^2/NDF:4637463.9/26

All: 403.564+/-0.062 χ^2/NDF: 7336150.4/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/5

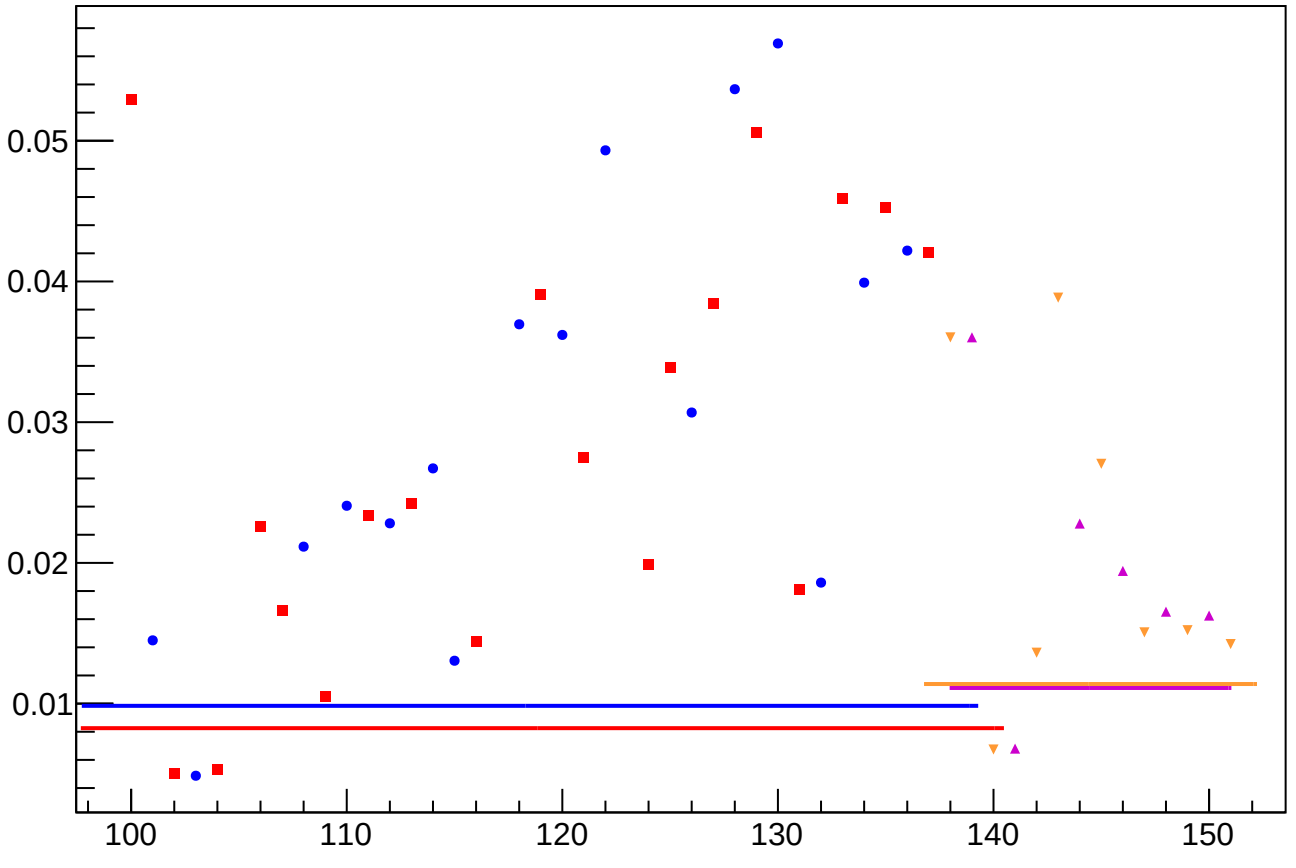
Left: -0.000+/-0.000 χ^2/NDF: 16.3/13

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:16.0/21

Out: -0.000+/-0.000 χ^2/NDF:33.0/26

All: -0.000+/-0.000 χ^2/NDF: 49.1/48



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:3098100.0/7

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.011+/-0.000 χ^2/NDF:2510815.0/5

Left: 0.011+/-0.000 χ^2/NDF: 5611367.1/13

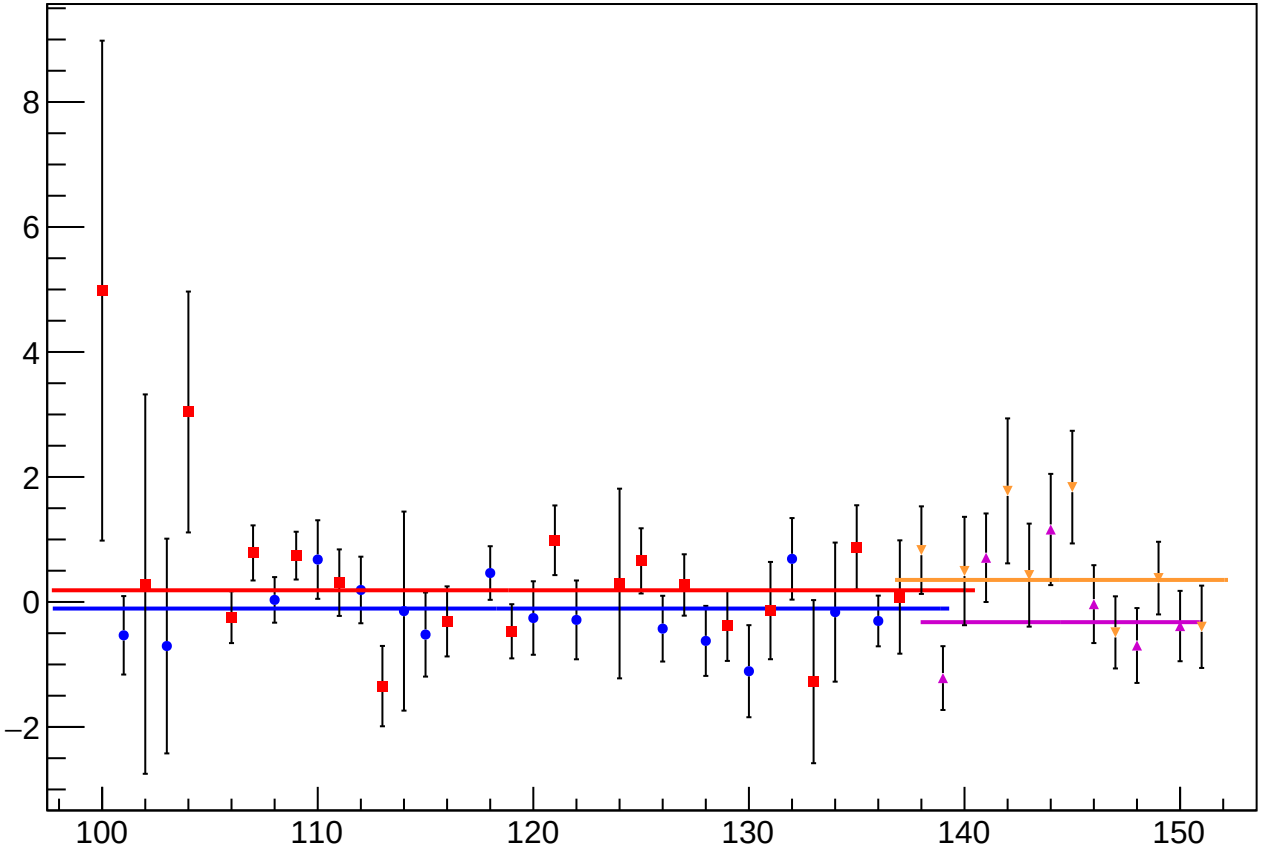
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.010+/-0.000 χ^2/NDF:9614171.7/21

Out: 0.009+/-0.000 χ^2/NDF:10248134.6/26

All: 0.010+/-0.000 χ^2/NDF: 19937903.2/48

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.323+/-0.253 χ^2/NDF:8.6/5

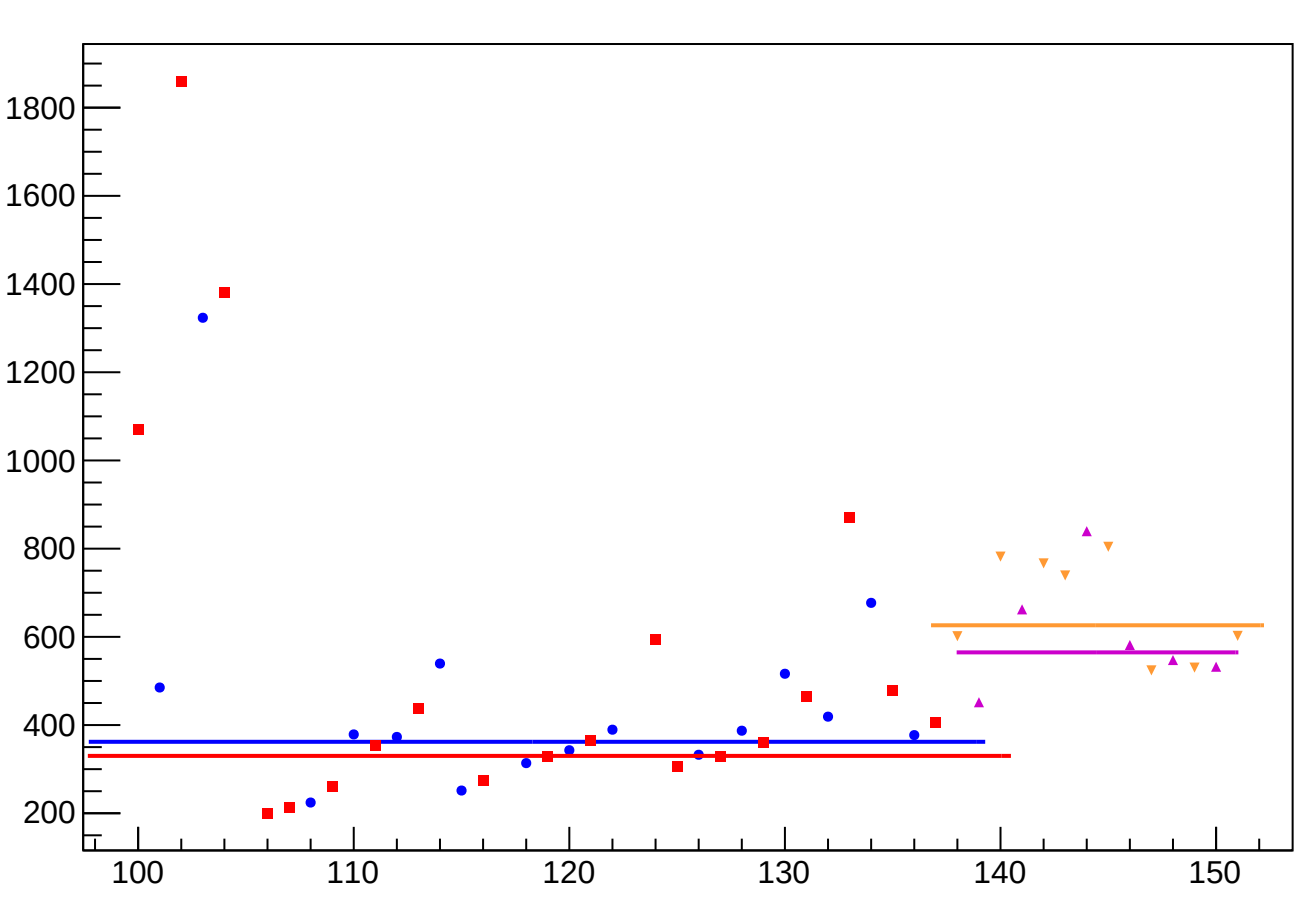
Left: 0.009+/-0.181 χ^2/NDF: 20.2/13

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.159+/-0.126 χ^2/NDF:18.8/21

Out: 0.224+/-0.121 χ^2/NDF:32.3/26

All: 0.039+/-0.087 χ^2/NDF: 56.0/48



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 626.246+/-0.182 χ^2/NDF:331869.0/7

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 564.801+/-0.179 χ^2/NDF:336540.2/5

Left: 594.991+/-0.128 χ^2/NDF: 726330.6/13

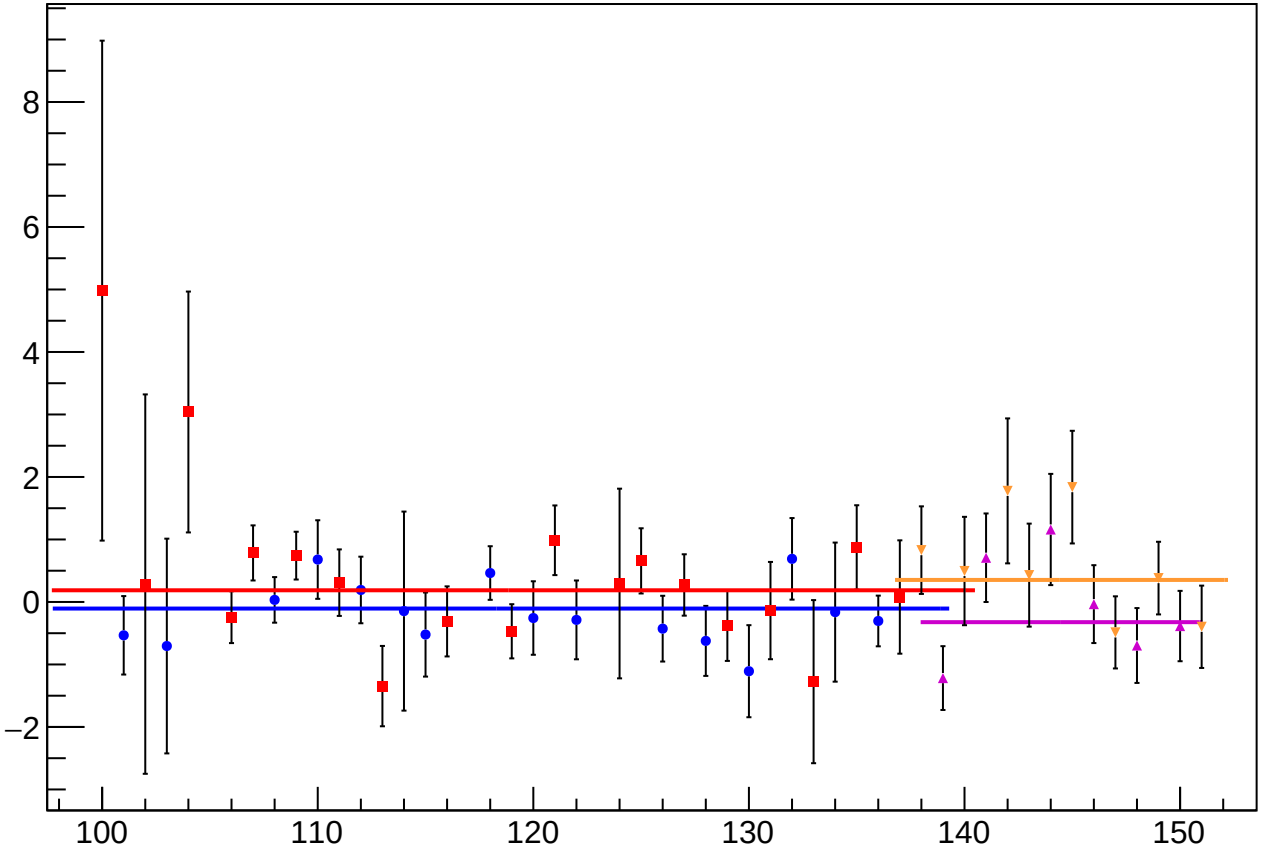
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 411.979+/-0.089 χ^2/NDF:2681424.3/21

Out: 395.724+/-0.086 χ^2/NDF:4637543.1/26

All: 403.563+/-0.062 χ^2/NDF: 7336308.3/48

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: 0.353+/-0.258 χ^2/NDF:8.1/7

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.323+/-0.253 χ^2/NDF:8.6/5

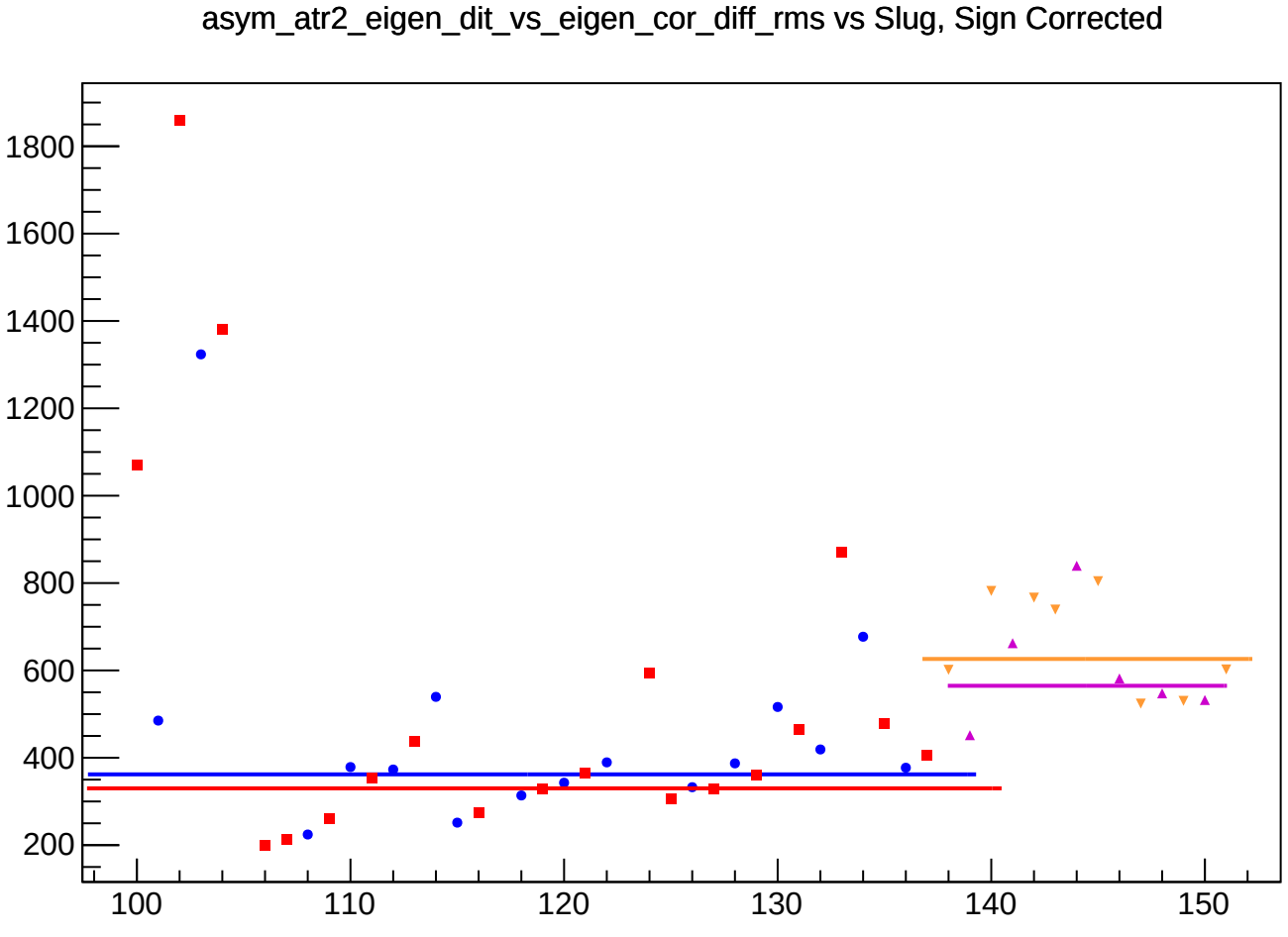
Left: 0.009+/-0.181 χ^2/NDF: 20.2/13

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.159+/-0.126 χ^2/NDF:18.8/21

Out: 0.224+/-0.121 χ^2/NDF:32.3/26

All: 0.039+/-0.087 χ^2/NDF: 56.0/48



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 626.246+/-0.182 χ^2/NDF:331869.0/7

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 564.801+/-0.179 χ^2/NDF:336540.2/5

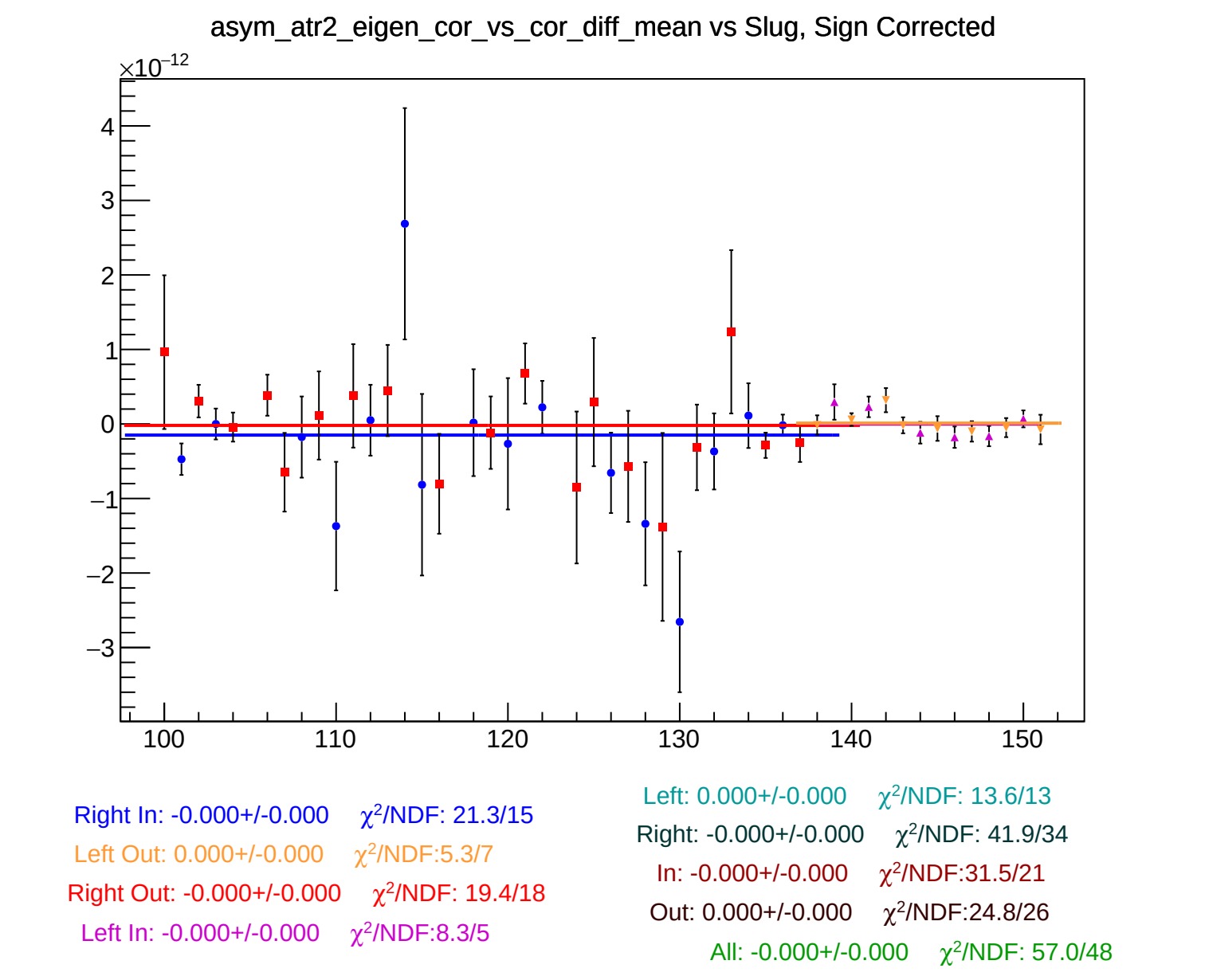
Left: 594.991+/-0.128 χ^2/NDF: 726330.6/13

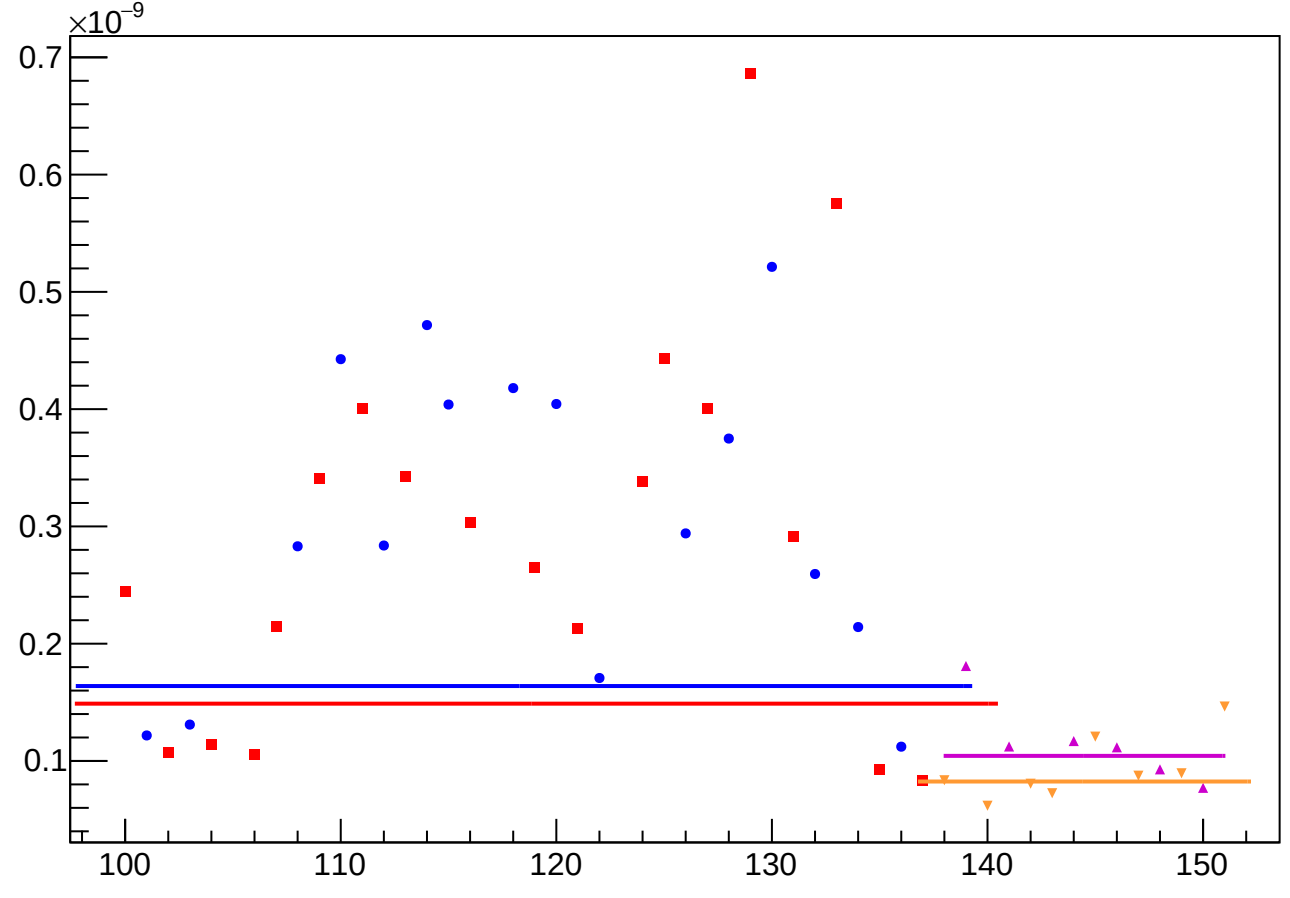
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 411.979+/-0.089 χ^2/NDF:2681424.3/21

Out: 395.724+/-0.086 χ^2/NDF:4637543.1/26

All: 403.563+/-0.062 χ^2/NDF: 7336308.3/48


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:5.3/7
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:8.3/5
Left: 0.000+/-0.000 χ²/NDF: 13.6/13
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:31.5/21
Out: 0.000+/-0.000 χ²/NDF:24.8/26
All: -0.000+/-0.000 χ²/NDF: 57.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:460620.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:363965.4/5

Left: 0.000+/-0.000 χ^2/NDF: 1002559.1/13

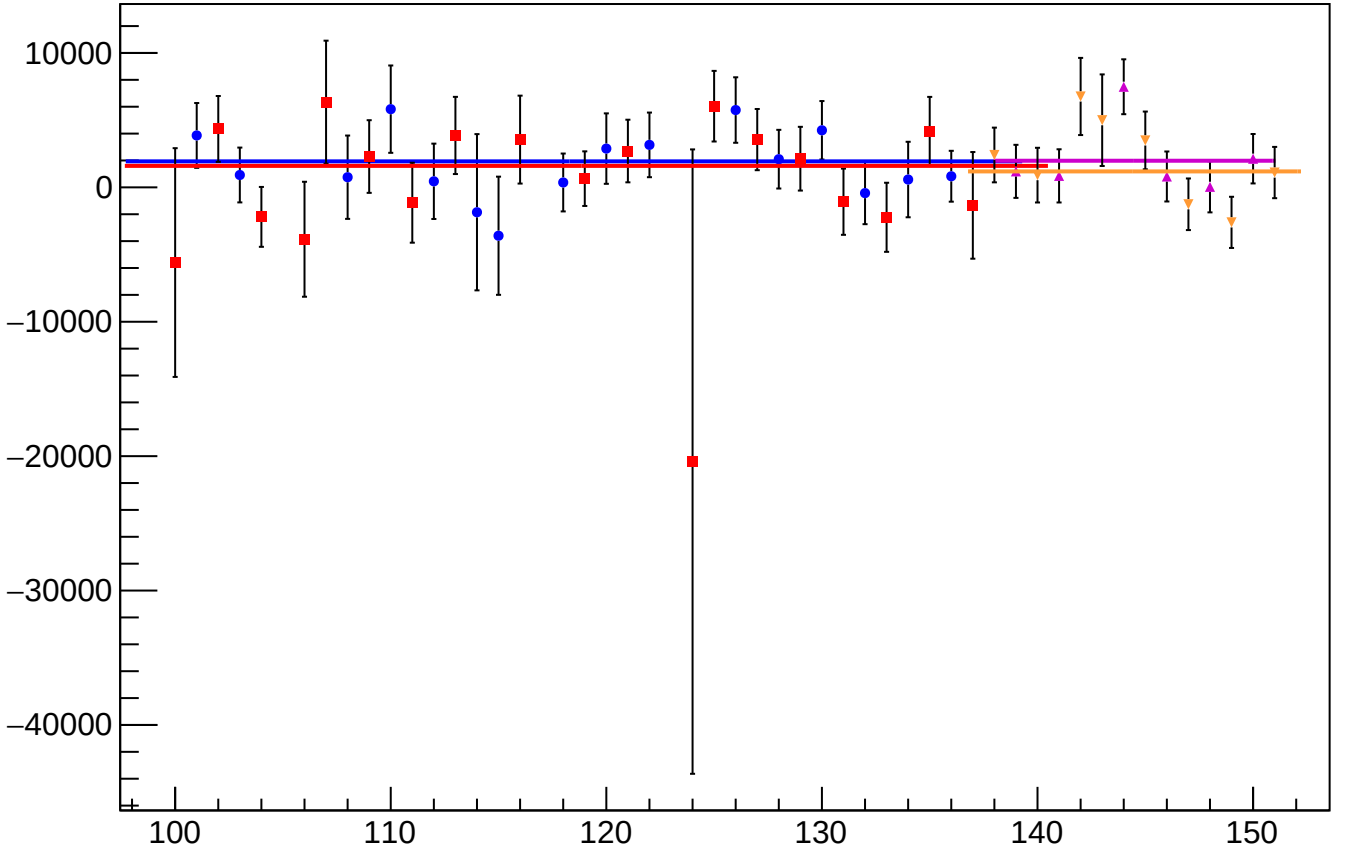
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3020794.7/21

Out: 0.000+/-0.000 χ^2/NDF:4288127.8/26

All: 0.000+/-0.000 χ^2/NDF: 7637304.0/48

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1186.514+/-760.530 χ^2/NDF:12.1/7

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 1980.238+/-787.318 χ^2/NDF:9.2/5

Left: 1569.644+/-547.001 χ^2/NDF: 21.9/13

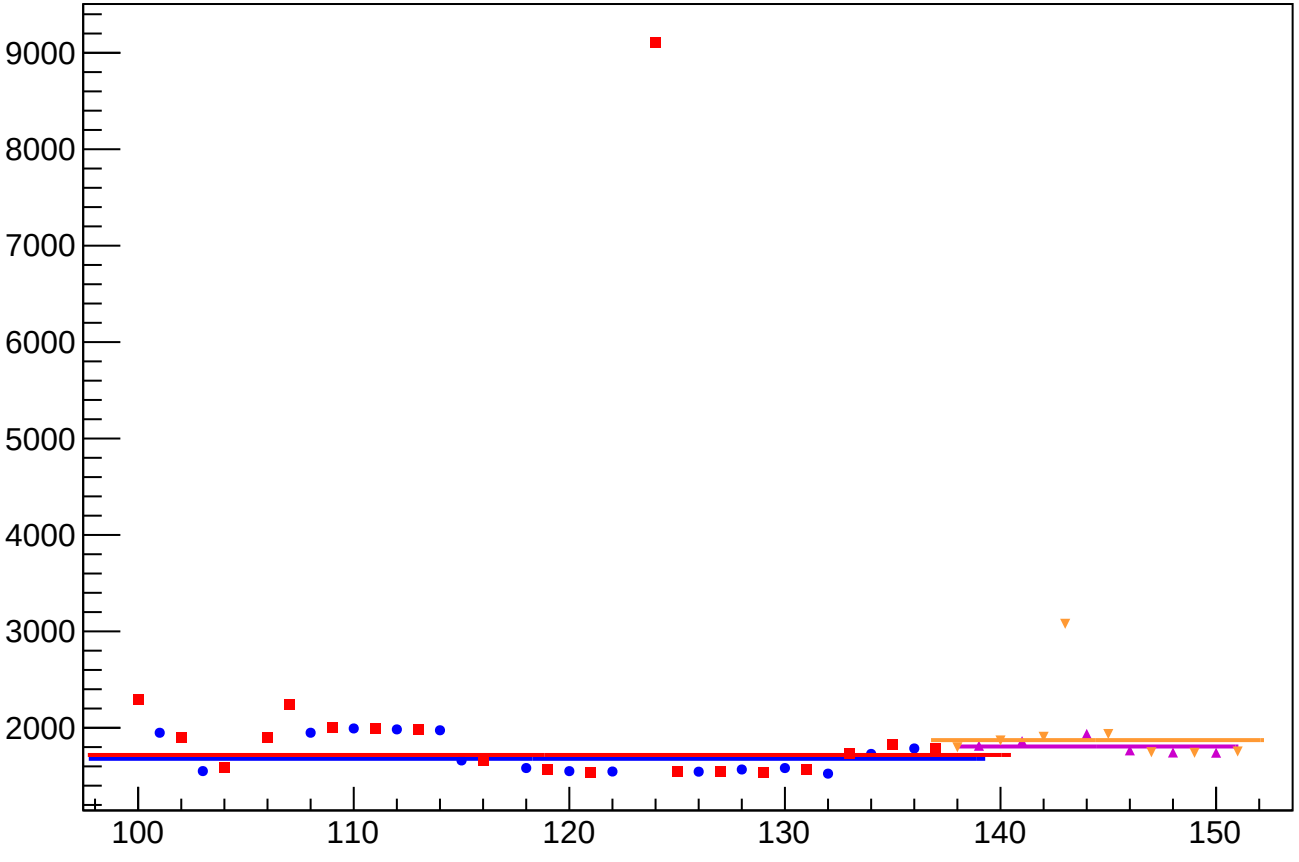
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 1952.437+/-490.889 χ^2/NDF:20.1/21

Out: 1426.698+/-490.671 χ^2/NDF:31.7/26

All: 1689.450+/-347.034 χ^2/NDF: 52.4/48

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1872.325+/-0.538 χ^2/NDF:281092.8/7

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1806.191+/-0.557 χ^2/NDF:15350.8/5

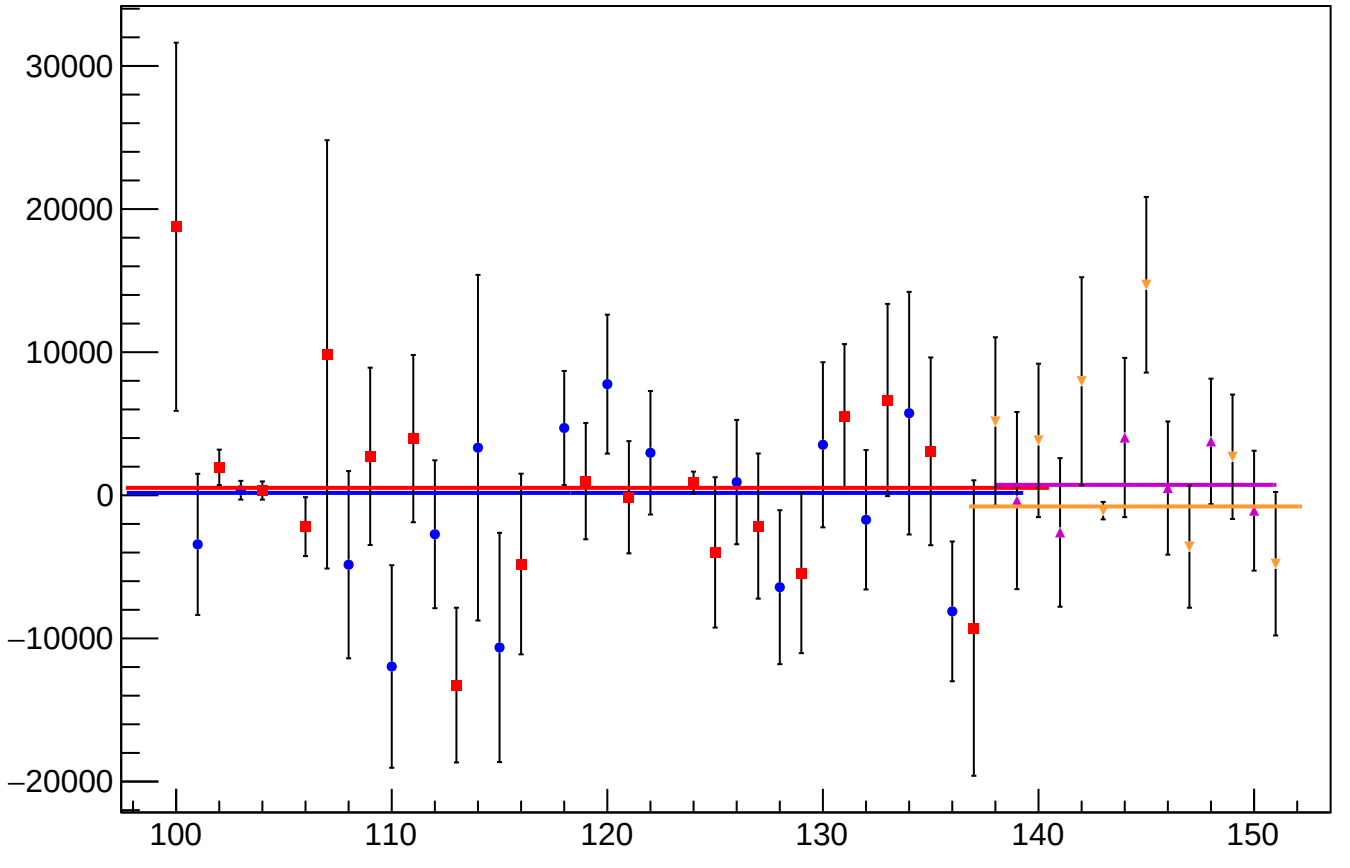
Left: 1840.402+/-0.387 χ^2/NDF: 303743.6/13

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1728.166+/-0.347 χ^2/NDF:188968.5/21

Out: 1782.065+/-0.346 χ^2/NDF:712339.3/26

All: 1755.202+/-0.245 χ^2/NDF: 913402.5/48



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -779.094+/-583.149 χ^2/NDF:11.5/7

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 729.363+/-1997.161 χ^2/NDF:1.5/5

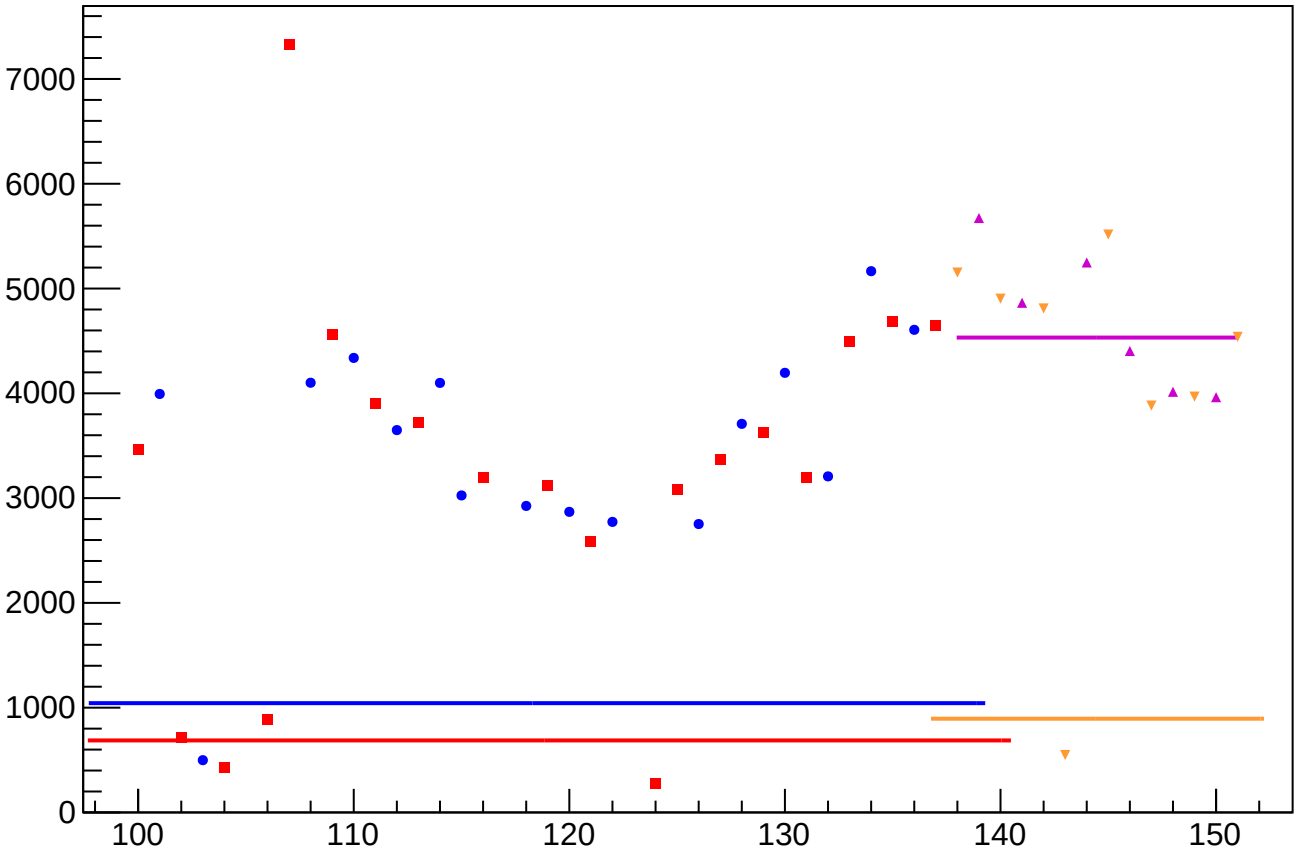
Left: -660.590+/-559.774 χ^2/NDF: 13.5/13

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 213.545+/-567.243 χ^2/NDF:17.4/21

Out: 70.355+/-343.348 χ^2/NDF:33.3/26

All: 108.749+/-293.730 χ^2/NDF: 50.7/48



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 894.857+/-0.412 χ^2/NDF:7558767.2/7

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4532.084+/-1.412 χ^2/NDF:175644.7/5

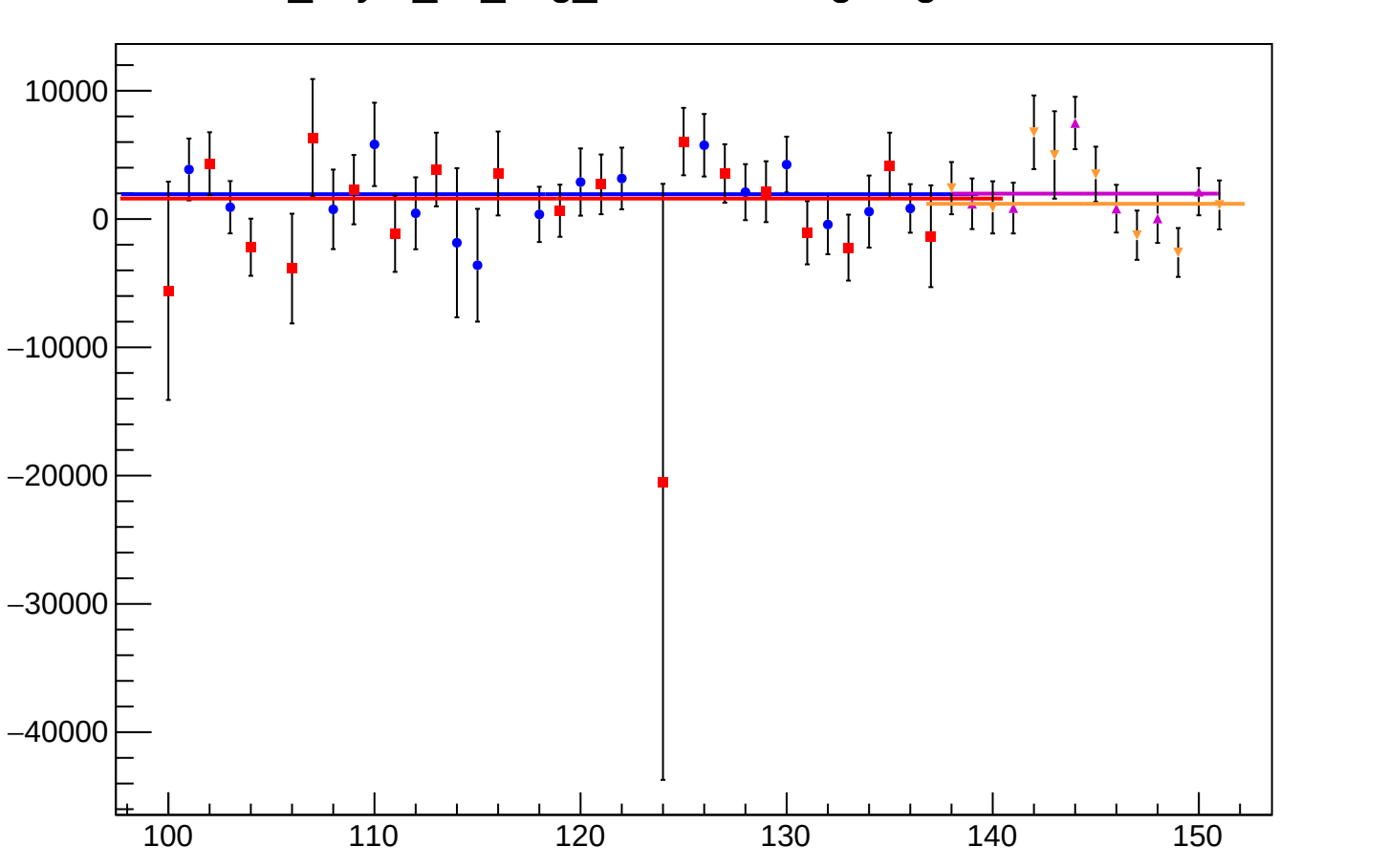
Left: 1180.597+/-0.396 χ^2/NDF: 13846815.2/13

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1324.572+/-0.401 χ^2/NDF:13898917.1/21

Out: 759.272+/-0.243 χ^2/NDF:16355782.8/26

All: 910.851+/-0.208 χ^2/NDF: 31708411.4/48



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1186.402+/-760.530 χ^2/NDF:12.1/7

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 1980.391+/-787.318 χ^2/NDF:9.2/5

Left: 1569.660+/-547.001 χ^2/NDF: 21.9/13

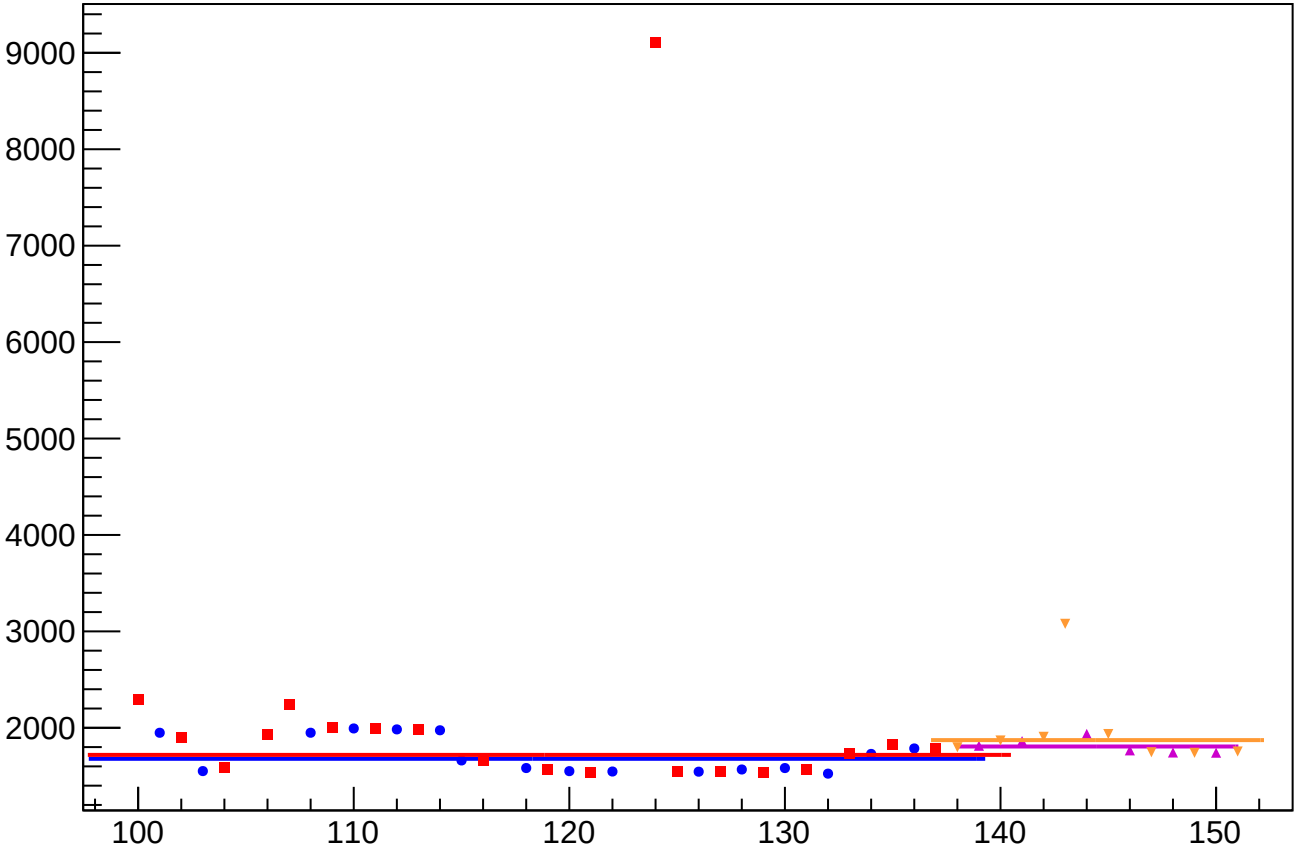
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1952.567+/-490.889 χ^2/NDF:20.1/21

Out: 1425.226+/-490.673 χ^2/NDF:31.7/26

All: 1688.781+/-347.035 χ^2/NDF: 52.4/48

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1872.325+/-0.538 χ^2/NDF:281092.8/7

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1806.191+/-0.557 χ^2/NDF:15350.8/5

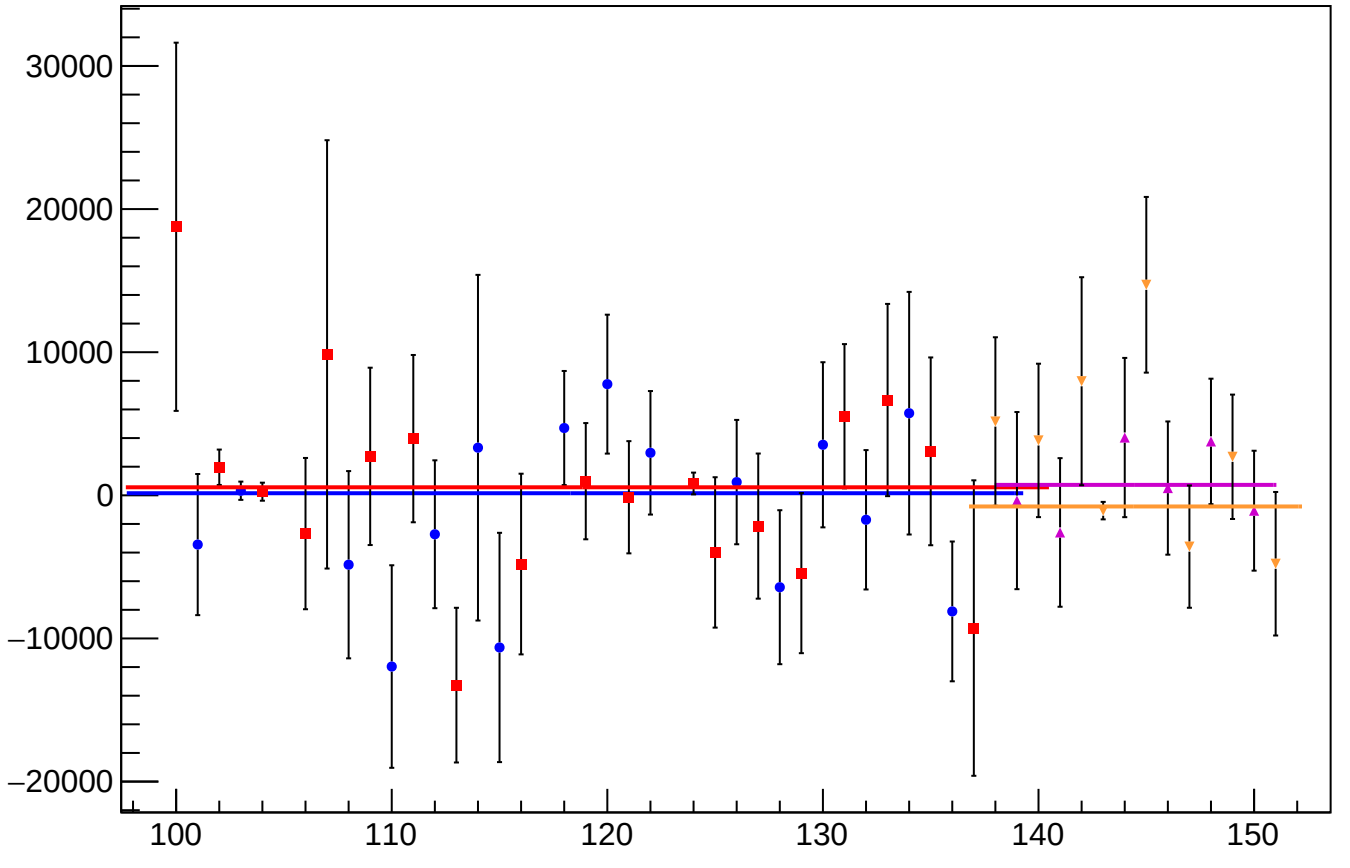
Left: 1840.402+/-0.387 χ^2/NDF: 303743.6/13

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1728.165+/-0.347 χ^2/NDF:188968.7/21

Out: 1782.590+/-0.346 χ^2/NDF:713543.6/26

All: 1755.458+/-0.245 χ^2/NDF: 914840.4/48



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -778.748+/-583.127 χ^2/NDF:11.5/7

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 729.466+/-1997.157 χ^2/NDF:1.5/5

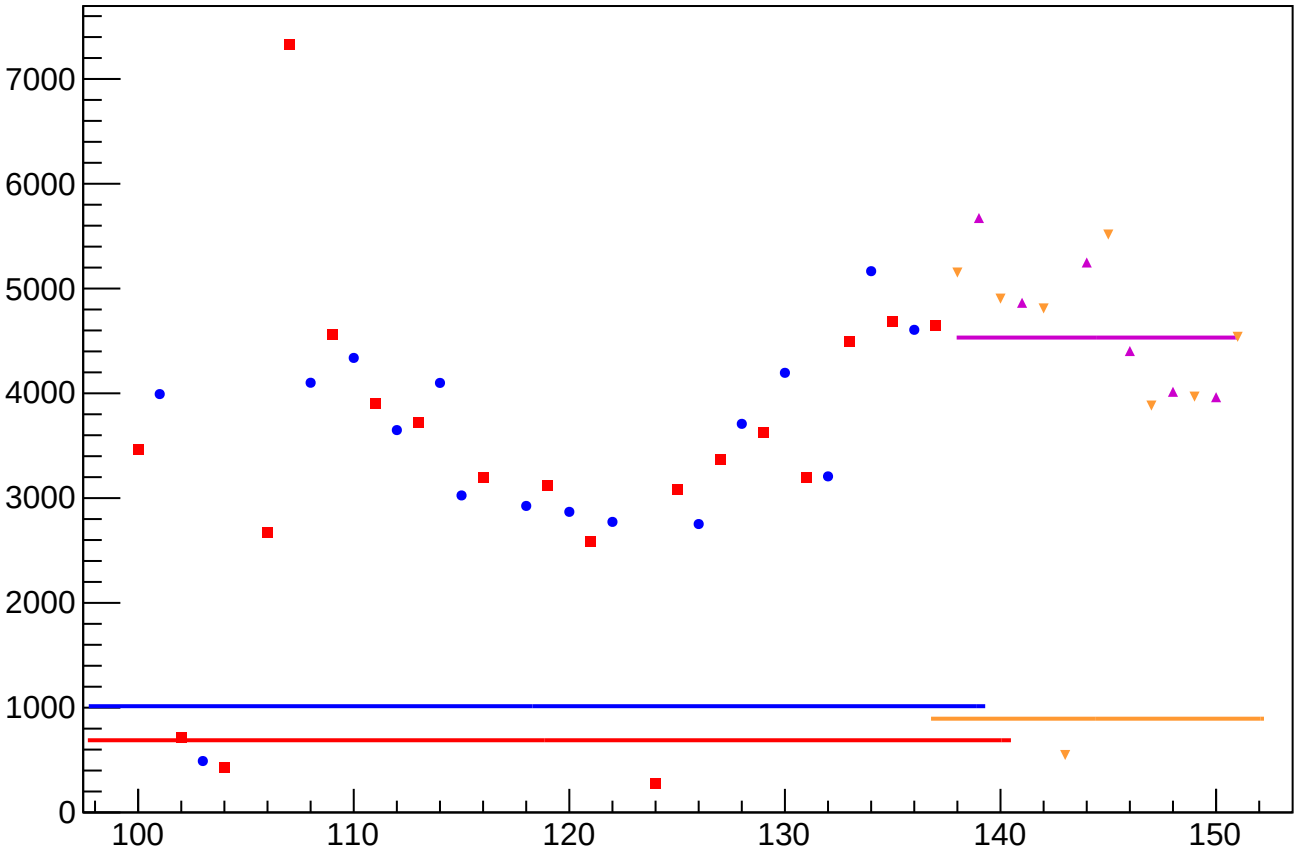
Left: -660.271+/-559.755 χ^2/NDF: 13.5/13

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 191.794+/-556.417 χ^2/NDF:17.4/21

Out: 88.507+/-346.405 χ^2/NDF:32.1/26

All: 117.358+/-294.072 χ^2/NDF: 49.5/48



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 894.811+/-0.412 χ^2/NDF:7558905.2/7

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4532.075+/-1.412 χ^2/NDF:175646.8/5

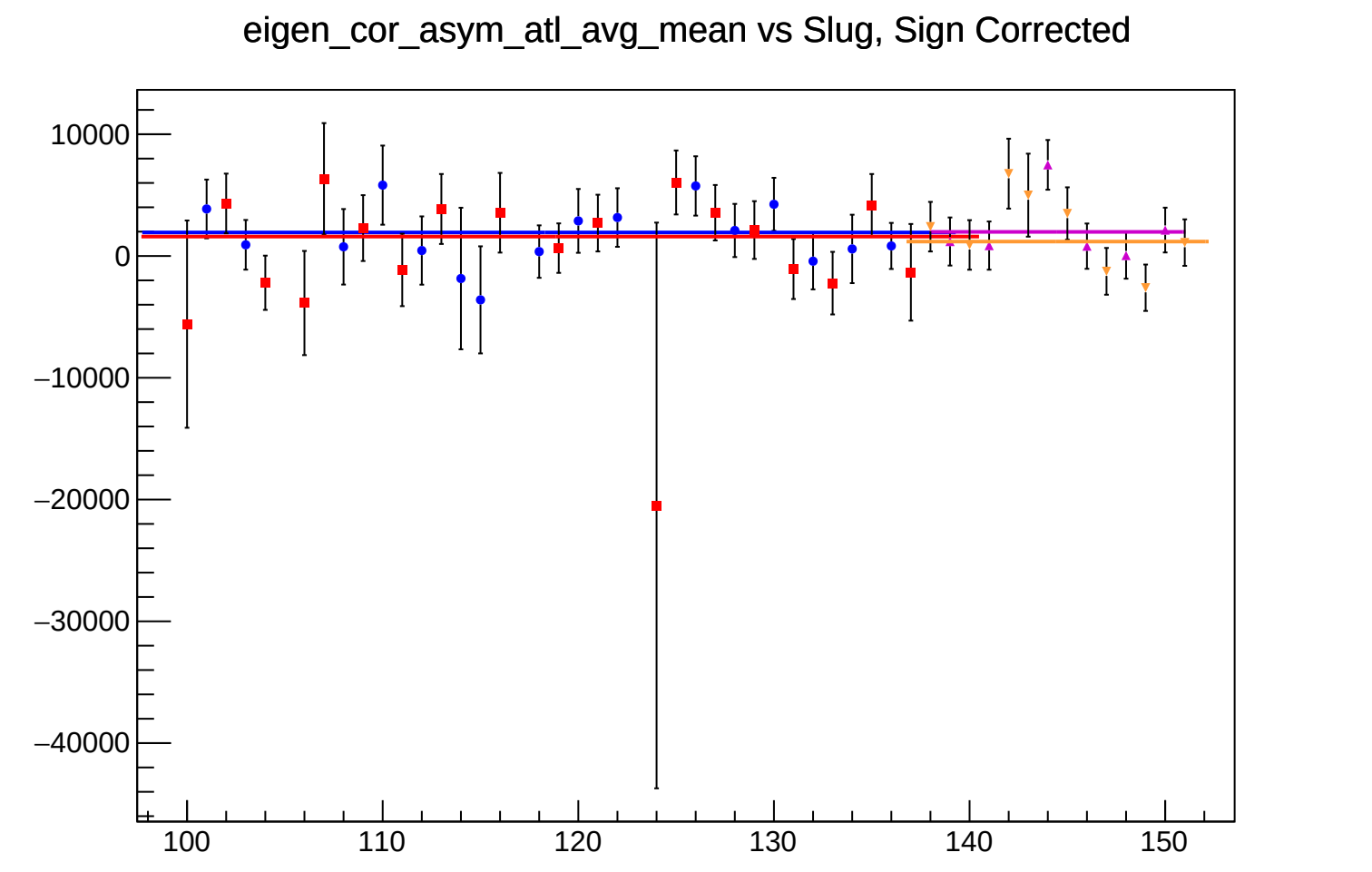
Left: 1180.535+/-0.396 χ^2/NDF: 13847135.7/13

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1287.162+/-0.393 χ^2/NDF:14122697.2/21

Out: 761.665+/-0.245 χ^2/NDF:16630404.6/26

All: 908.448+/-0.208 χ^2/NDF: 32038715.9/48



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1186.402+/-760.530 χ^2/NDF:12.1/7

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 1980.391+/-787.318 χ^2/NDF:9.2/5

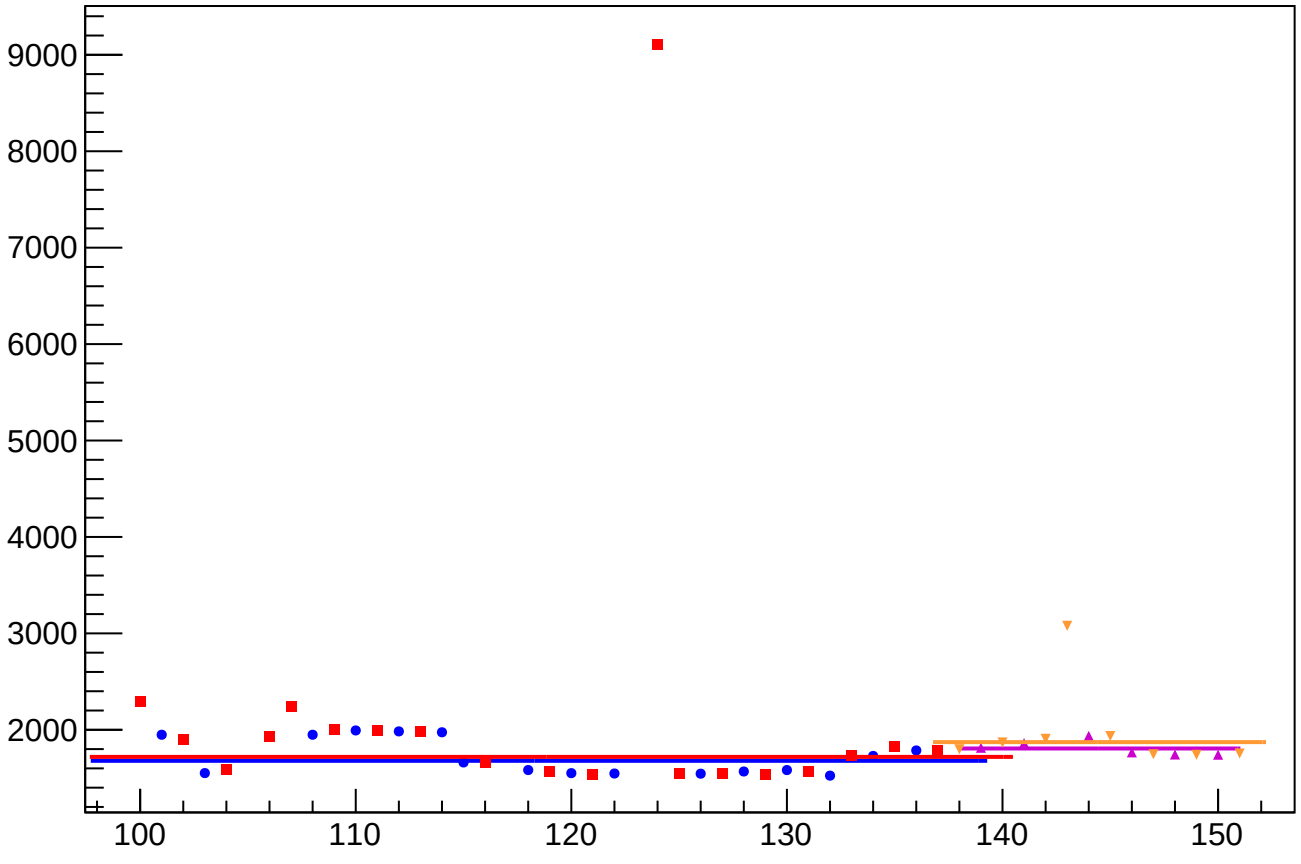
Left: 1569.660+/-547.001 χ^2/NDF: 21.9/13

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 1952.567+/-490.889 χ^2/NDF:20.1/21

Out: 1425.226+/-490.673 χ^2/NDF:31.7/26

All: 1688.781+/-347.035 χ^2/NDF: 52.4/48



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1872.325+/-0.538 χ^2/NDF:281092.8/7

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1806.191+/-0.557 χ^2/NDF:15350.8/5

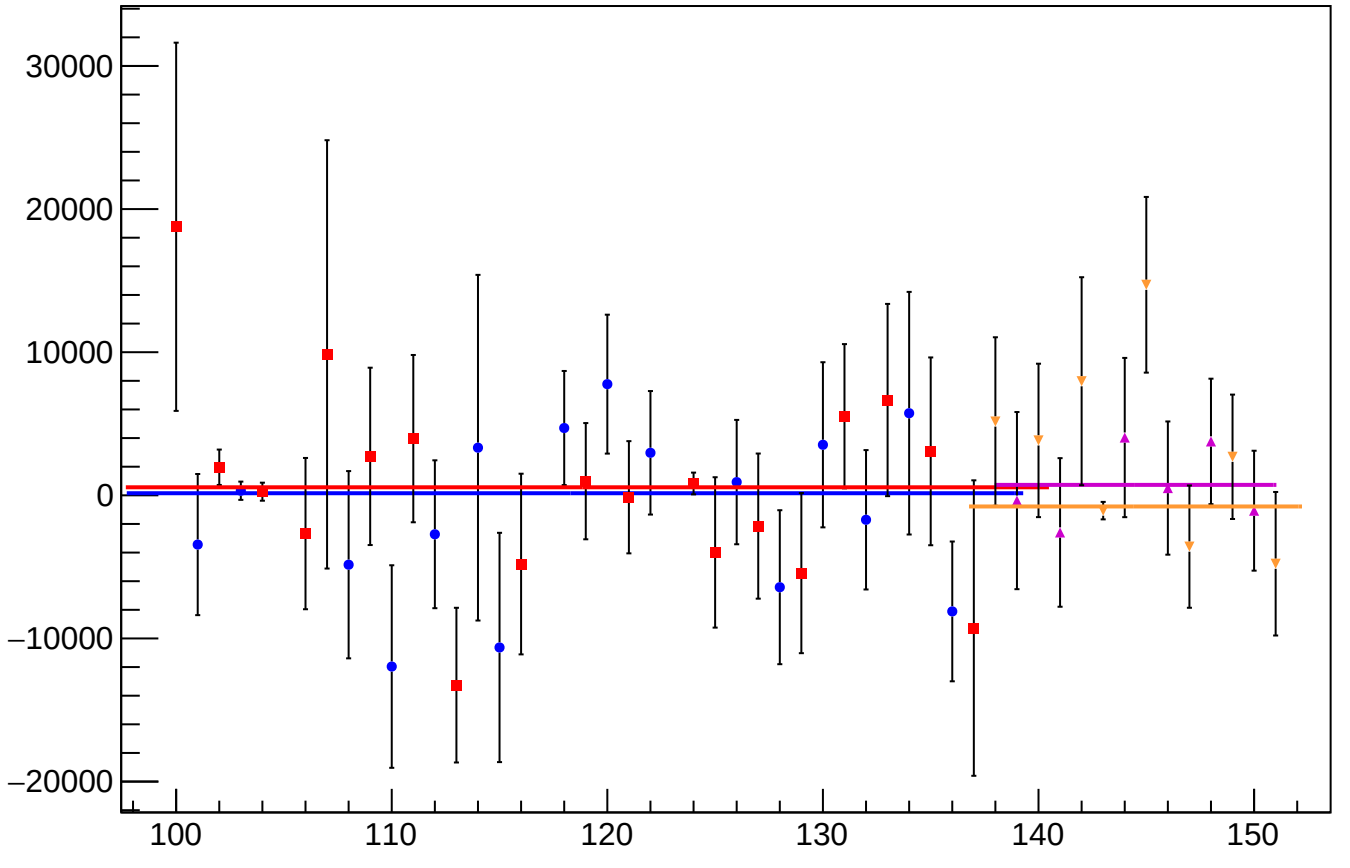
Left: 1840.402+/-0.387 χ^2/NDF: 303743.6/13

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1728.165+/-0.347 χ^2/NDF:188968.7/21

Out: 1782.590+/-0.346 χ^2/NDF:713543.6/26

All: 1755.458+/-0.245 χ^2/NDF: 914840.4/48



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -778.748+/-583.127 χ^2/NDF:11.5/7

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 729.466+/-1997.157 χ^2/NDF:1.5/5

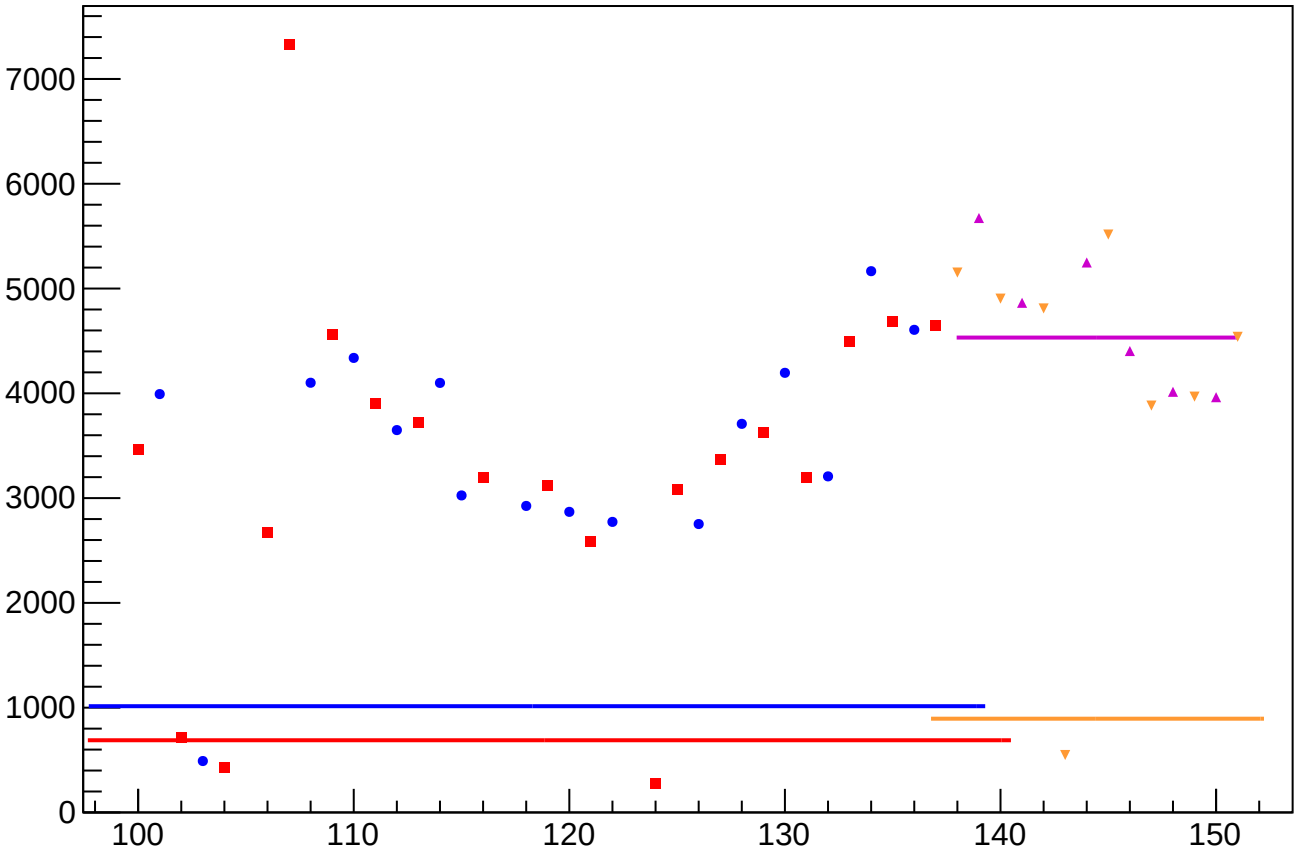
Left: -660.271+/-559.755 χ^2/NDF: 13.5/13

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 191.794+/-556.417 χ^2/NDF:17.4/21

Out: 88.507+/-346.405 χ^2/NDF:32.1/26

All: 117.358+/-294.072 χ^2/NDF: 49.5/48



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 894.811+/-0.412 χ^2/NDF:7558905.2/7

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4532.075+/-1.412 χ^2/NDF:175646.8/5

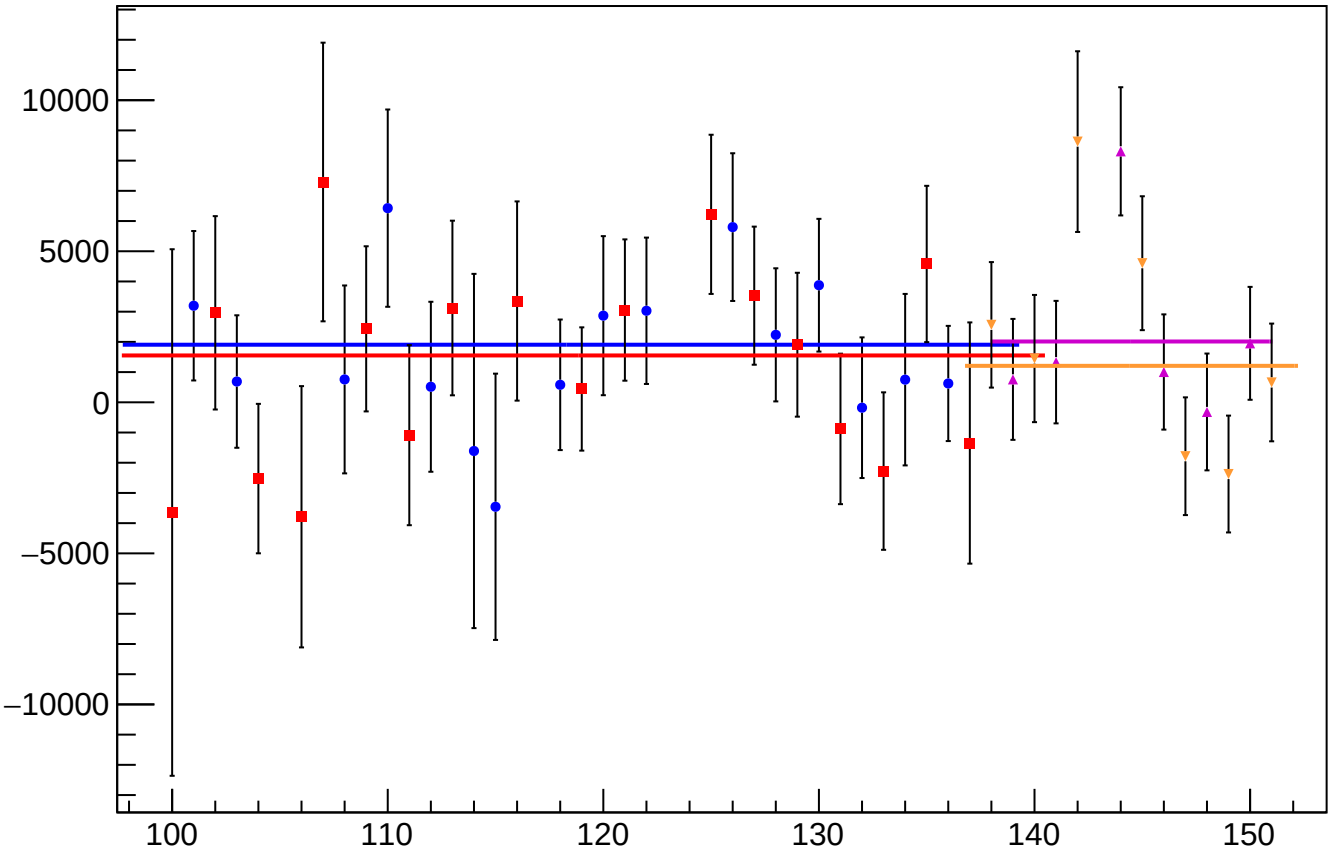
Left: 1180.535+/-0.396 χ^2/NDF: 13847135.7/13

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1287.162+/-0.393 χ^2/NDF:14122697.2/21

Out: 761.665+/-0.245 χ^2/NDF:16630404.6/26

All: 908.448+/-0.208 χ^2/NDF: 32038715.9/48



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1207.304+/-798.869 χ^2/NDF:14.8/6

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2012.965+/-804.810 χ^2/NDF:11.0/5

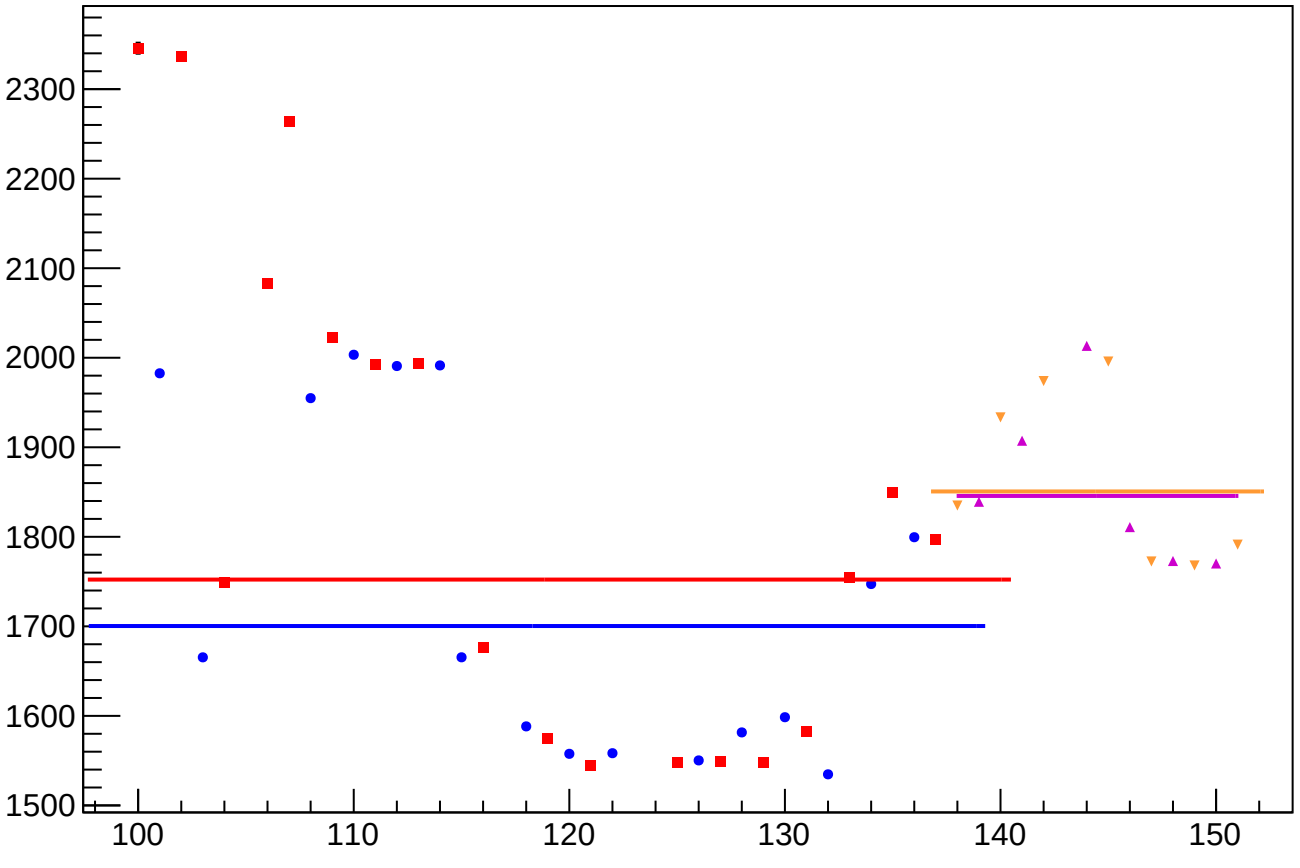
Left: 1607.149+/-566.974 χ^2/NDF: 26.4/12

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 1947.280+/-499.207 χ^2/NDF:21.3/21

Out: 1411.302+/-509.297 χ^2/NDF:32.4/24

All: 1684.653+/-356.506 χ^2/NDF: 54.2/46



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1850.663+/-0.565 χ^2/NDF:23911.0/6

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1845.651+/-0.569 χ^2/NDF:21104.4/5

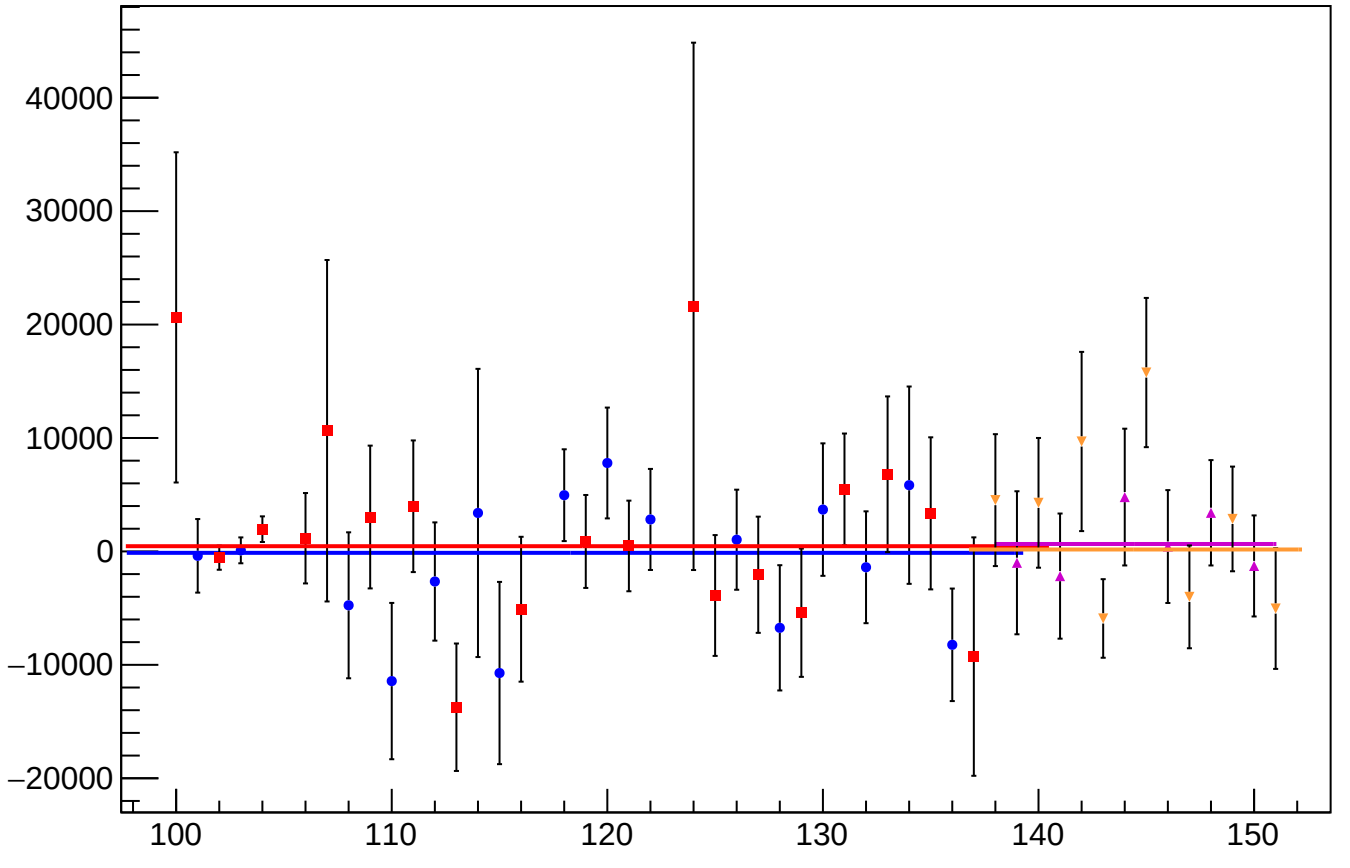
Left: 1848.175+/-0.401 χ^2/NDF: 45054.4/12

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1756.258+/-0.353 χ^2/NDF:196628.1/21

Out: 1792.134+/-0.360 χ^2/NDF:289917.0/24

All: 1773.861+/-0.252 χ^2/NDF: 491613.3/46



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: 169.229+/-1785.812 χ^2/NDF:13.4/7

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 654.656+/-2119.136 χ^2/NDF:1.3/5

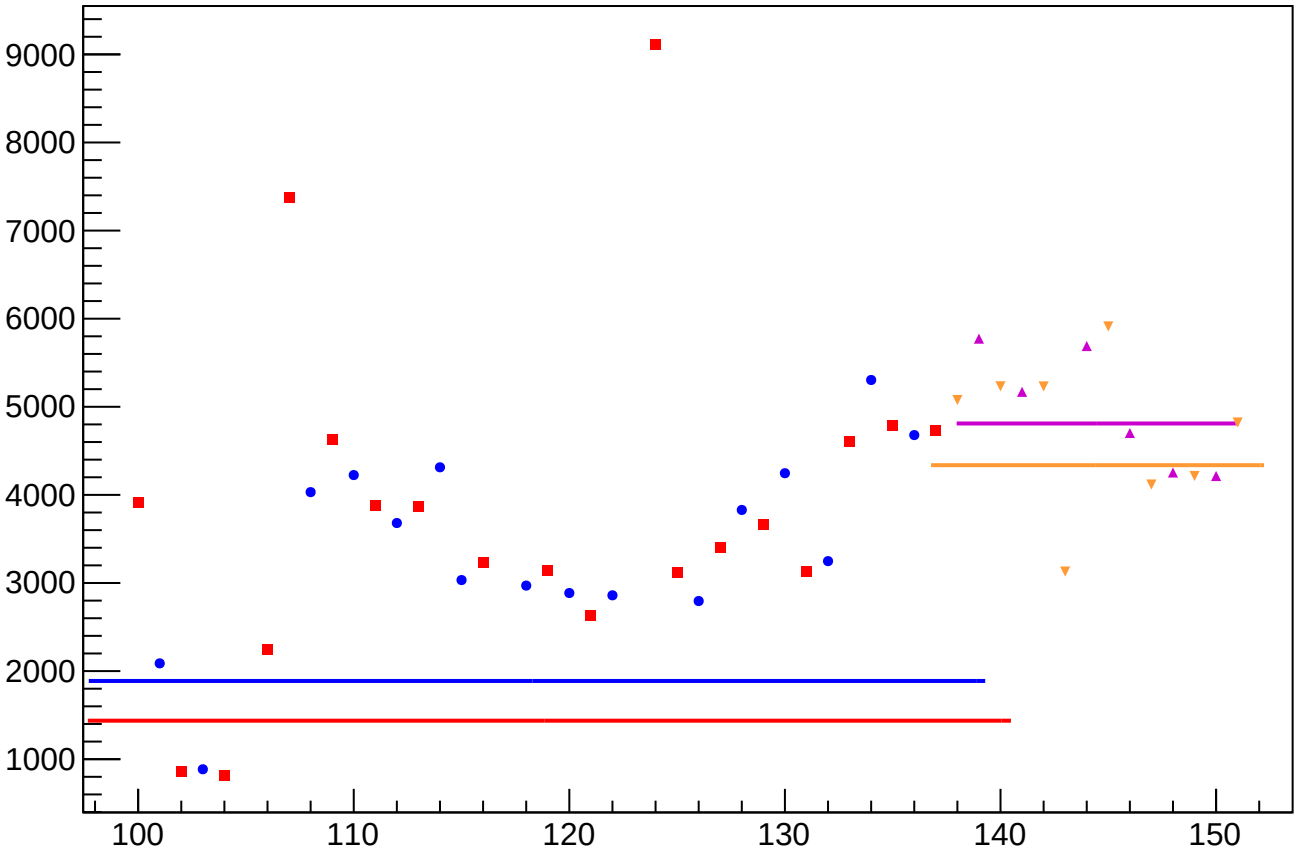
Left: 370.807+/-1365.582 χ^2/NDF: 14.8/13

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -13.466+/-802.950 χ^2/NDF:16.5/21

Out: 422.762+/-634.800 χ^2/NDF:31.9/26

All: 254.978+/-497.974 χ^2/NDF: 48.6/48



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4337.236+/-1.263 χ^2/NDF:487263.4/7

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 4810.662+/-1.498 χ^2/NDF:163131.6/5

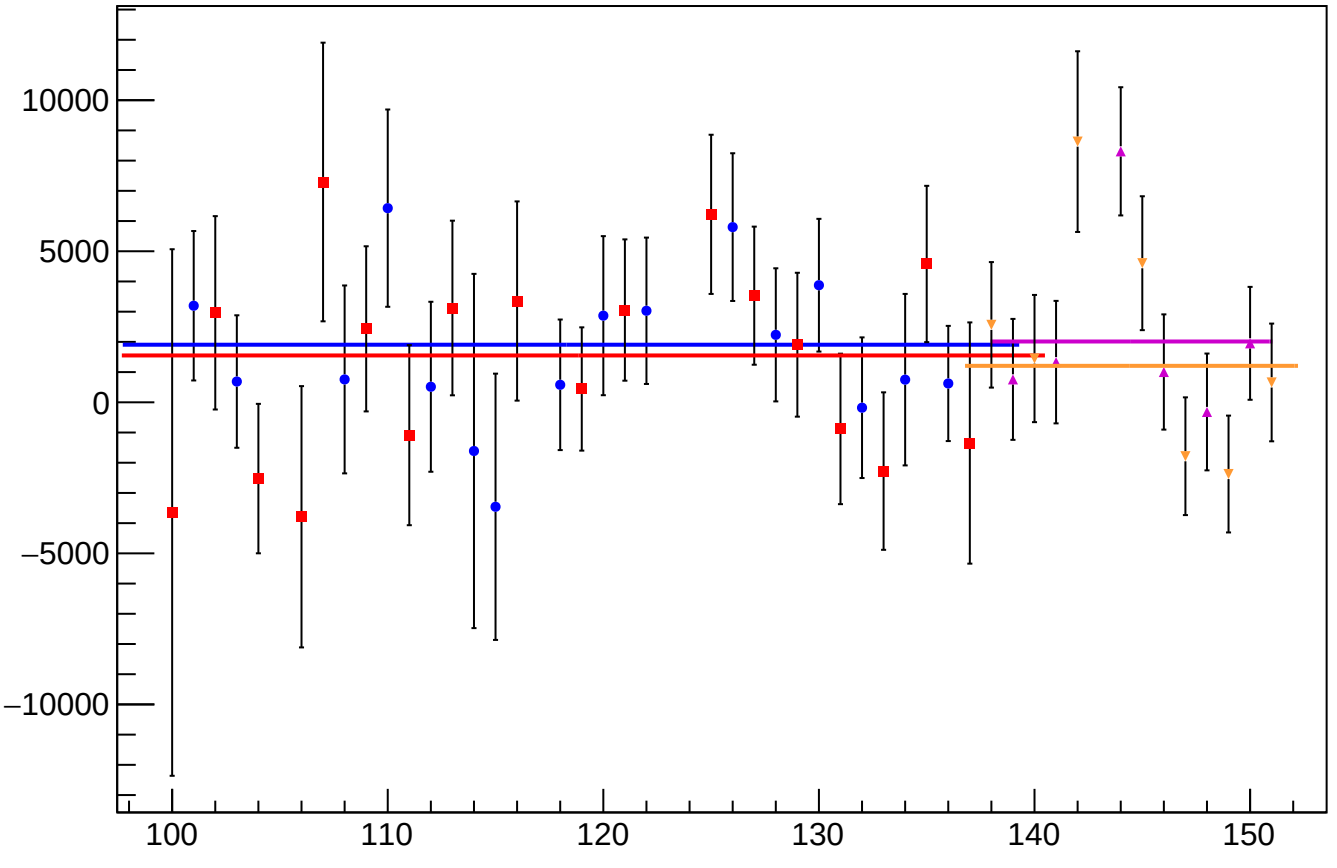
Left: 4533.830+/-0.966 χ^2/NDF: 708763.8/13

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2307.601+/-0.568 χ^2/NDF:7846909.0/21

Out: 1803.562+/-0.449 χ^2/NDF:11059605.9/26

All: 1997.428+/-0.352 χ^2/NDF: 19391492.4/4



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1207.311+/-798.869 χ^2/NDF:14.8/6

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2012.966+/-804.811 χ^2/NDF:11.0/5

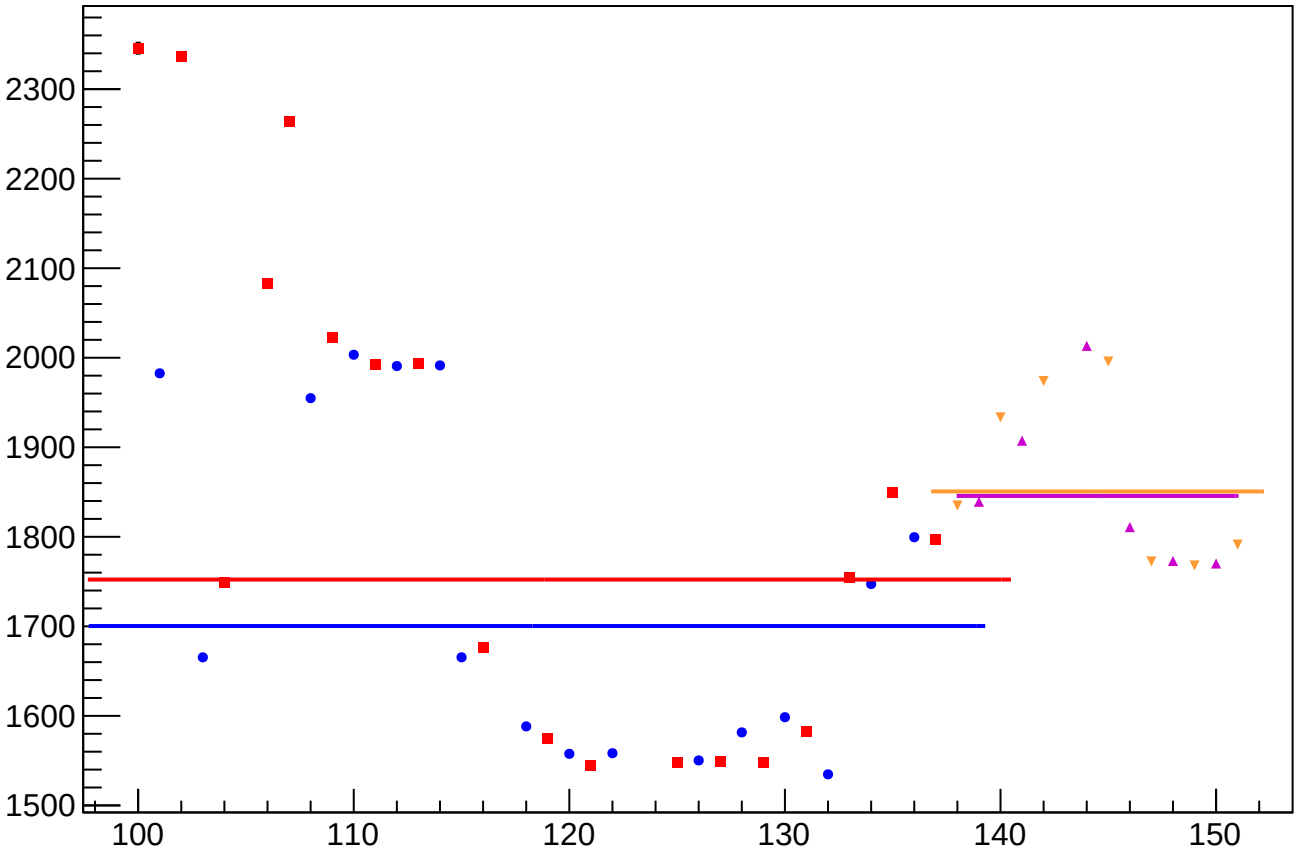
Left: 1607.153+/-566.975 χ^2/NDF: 26.4/12

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 1947.280+/-499.207 χ^2/NDF:21.3/21

Out: 1411.303+/-509.297 χ^2/NDF:32.4/24

All: 1684.653+/-356.506 χ^2/NDF: 54.2/46



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1850.664+/-0.565 χ^2/NDF:23911.5/6

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1845.652+/-0.569 χ^2/NDF:21104.7/5

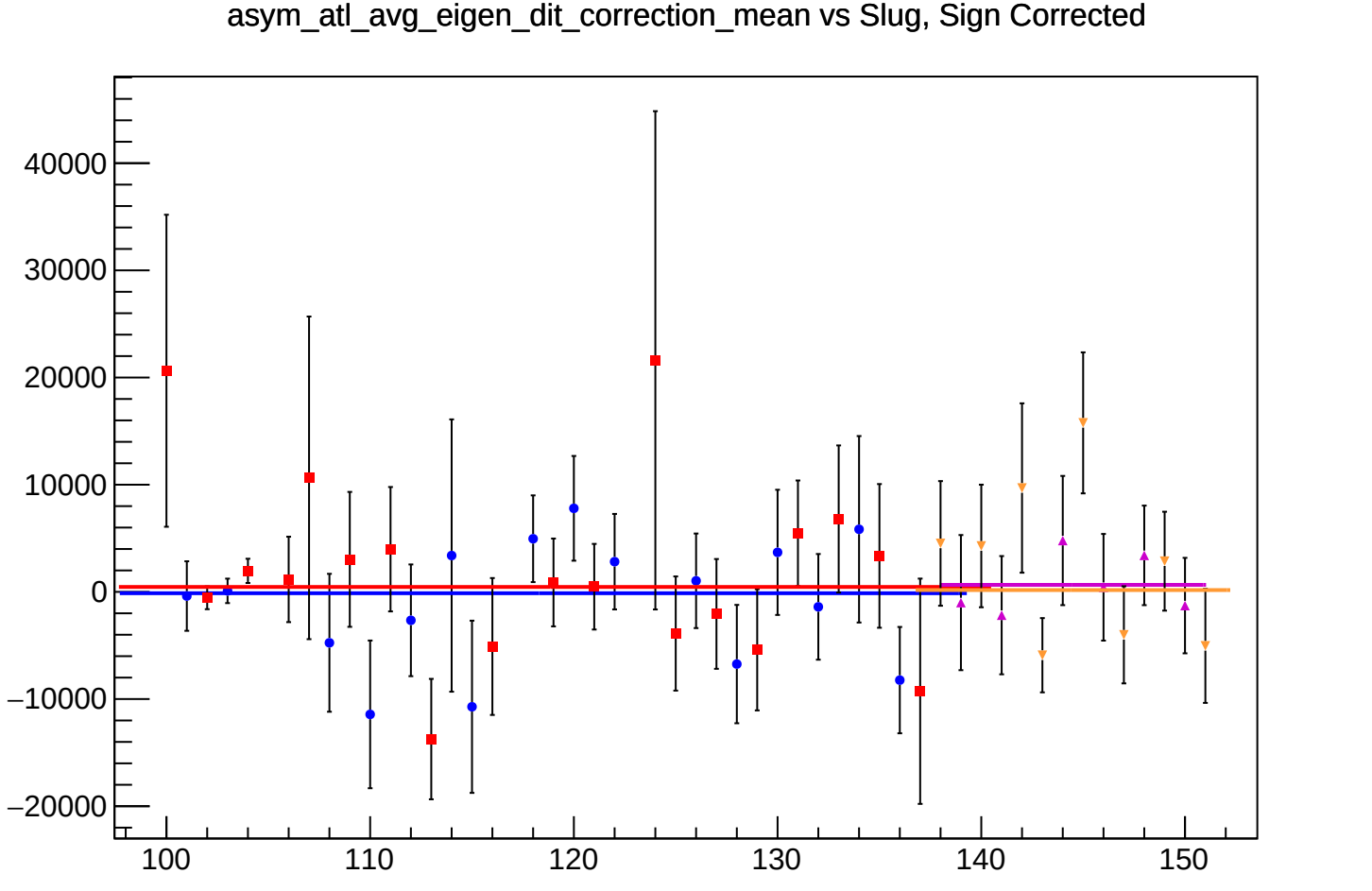
Left: 1848.176+/-0.401 χ^2/NDF: 45055.3/12

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1756.258+/-0.353 χ^2/NDF:196629.3/21

Out: 1792.134+/-0.360 χ^2/NDF:289917.5/24

All: 1773.861+/-0.252 χ^2/NDF: 491615.0/46



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: 169.223+/-1785.814 χ^2/NDF:13.4/7

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 654.658+/-2119.139 χ^2/NDF:1.3/5

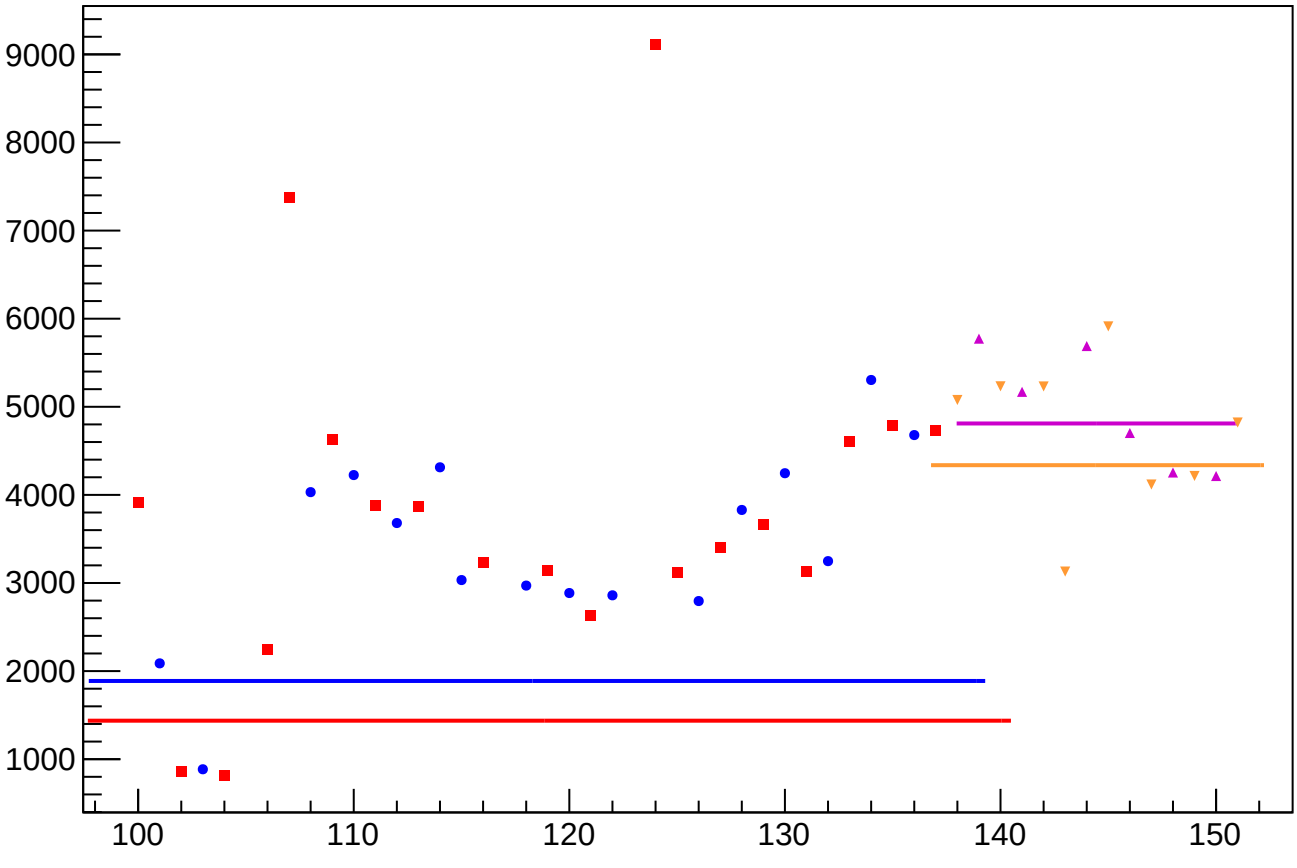
Left: 370.803+/-1365.584 χ^2/NDF: 14.8/13

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -13.464+/-802.946 χ^2/NDF:16.5/21

Out: 422.760+/-634.796 χ^2/NDF:31.9/26

All: 254.978+/-497.971 χ^2/NDF: 48.6/48



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4337.240+/-1.263 χ^2/NDF:487268.0/7

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 4810.667+/-1.498 χ^2/NDF:163134.2/5

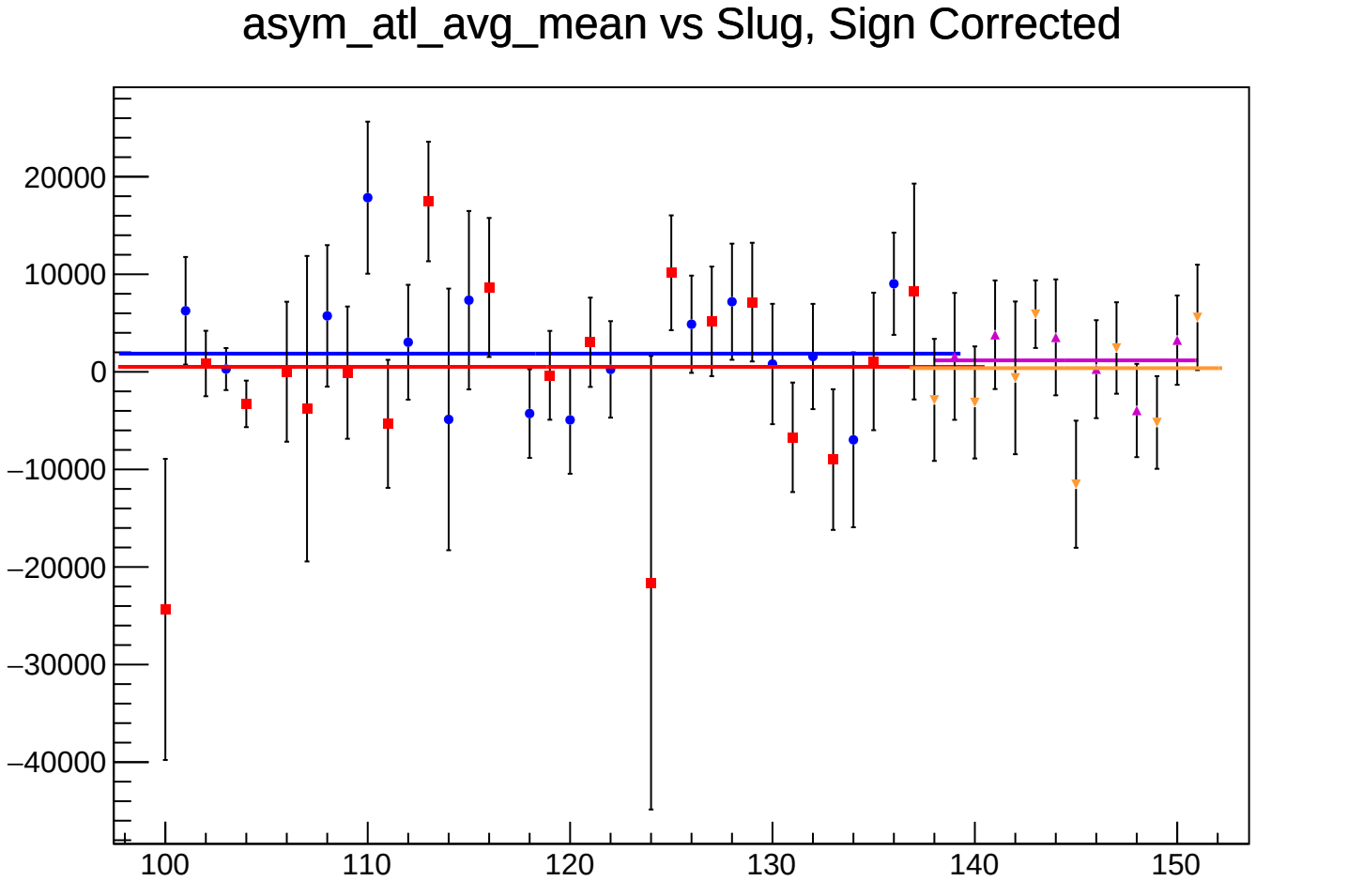
Left: 4533.834+/-0.966 χ^2/NDF: 708771.4/13

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2307.582+/-0.568 χ^2/NDF:7846996.2/21

Out: 1803.545+/-0.449 χ^2/NDF:11059699.5/26

All: 1997.410+/-0.352 χ^2/NDF: 19391674.8/4



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 378.815+/-1815.755 χ^2/NDF:9.0/7

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1175.606+/-2154.629 χ^2/NDF:1.8/5

Left: 709.696+/-1388.469 χ^2/NDF: 10.9/13

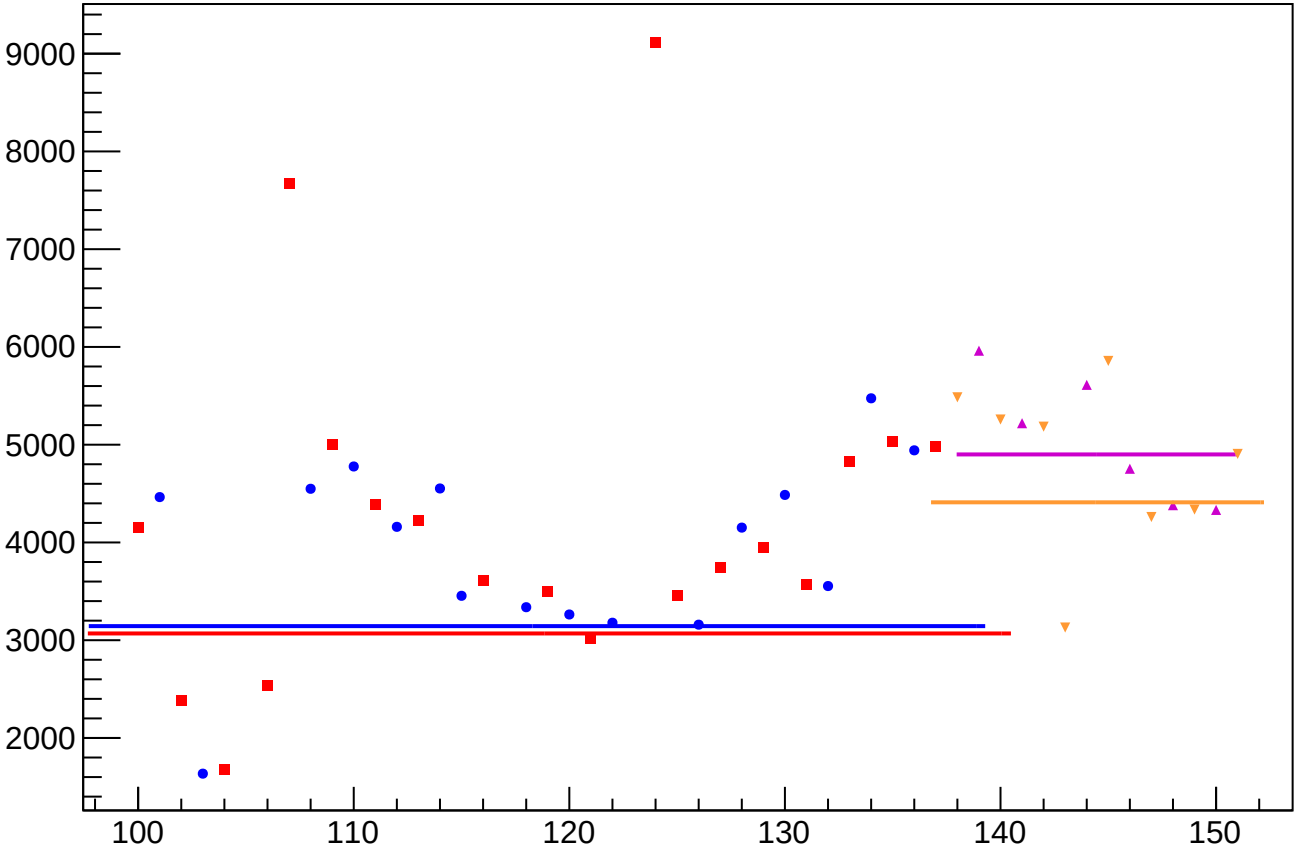
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1690.697+/-1087.150 χ^2/NDF:15.7/21

Out: 469.931+/-1024.852 χ^2/NDF:33.7/26

All: 1044.336+/-745.731 χ^2/NDF: 50.0/48

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4410.549+/-1.284 χ^2/NDF:513447.0/7

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 4900.451+/-1.524 χ^2/NDF:144591.2/5

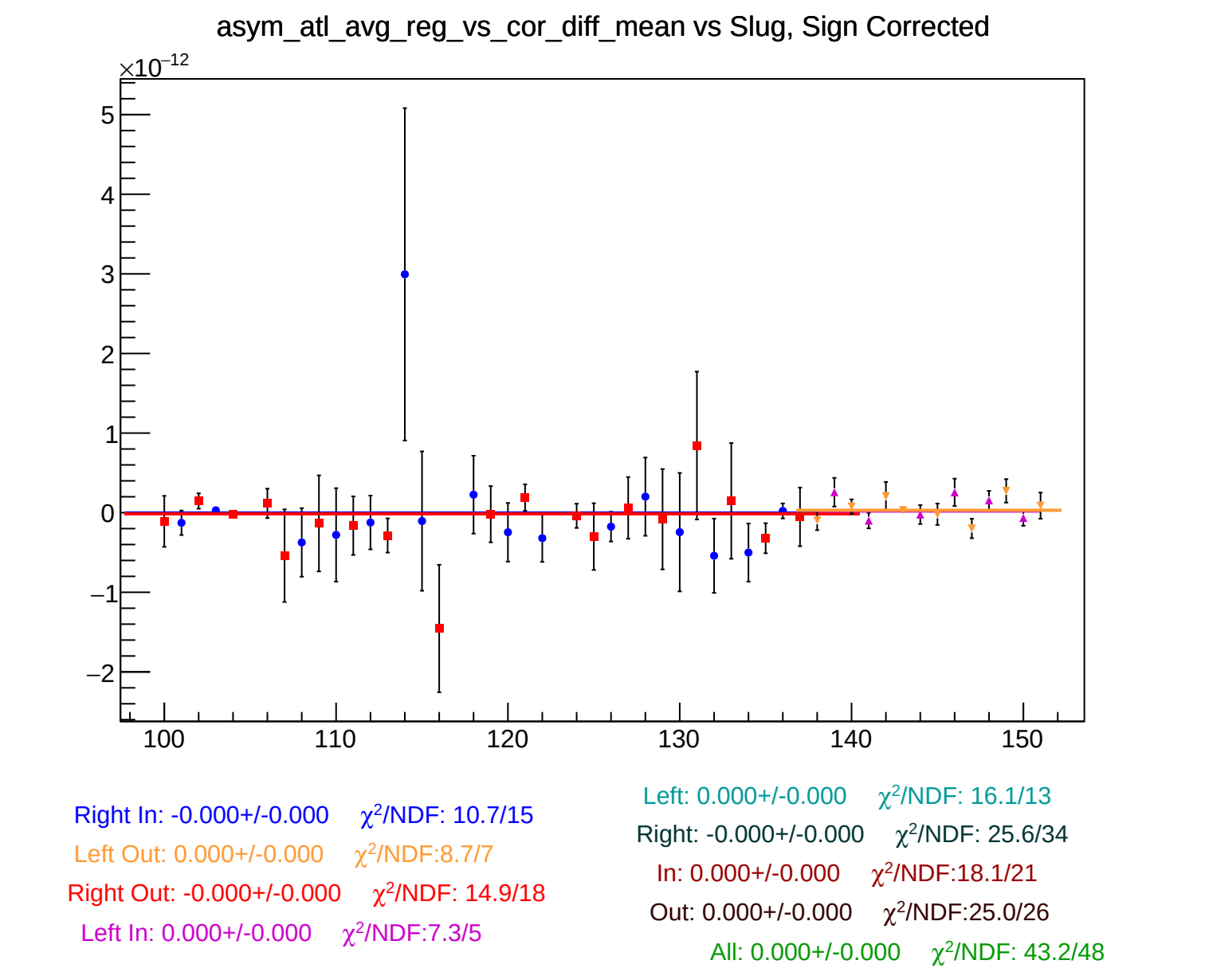
Left: 4613.989+/-0.982 χ^2/NDF: 718497.0/13

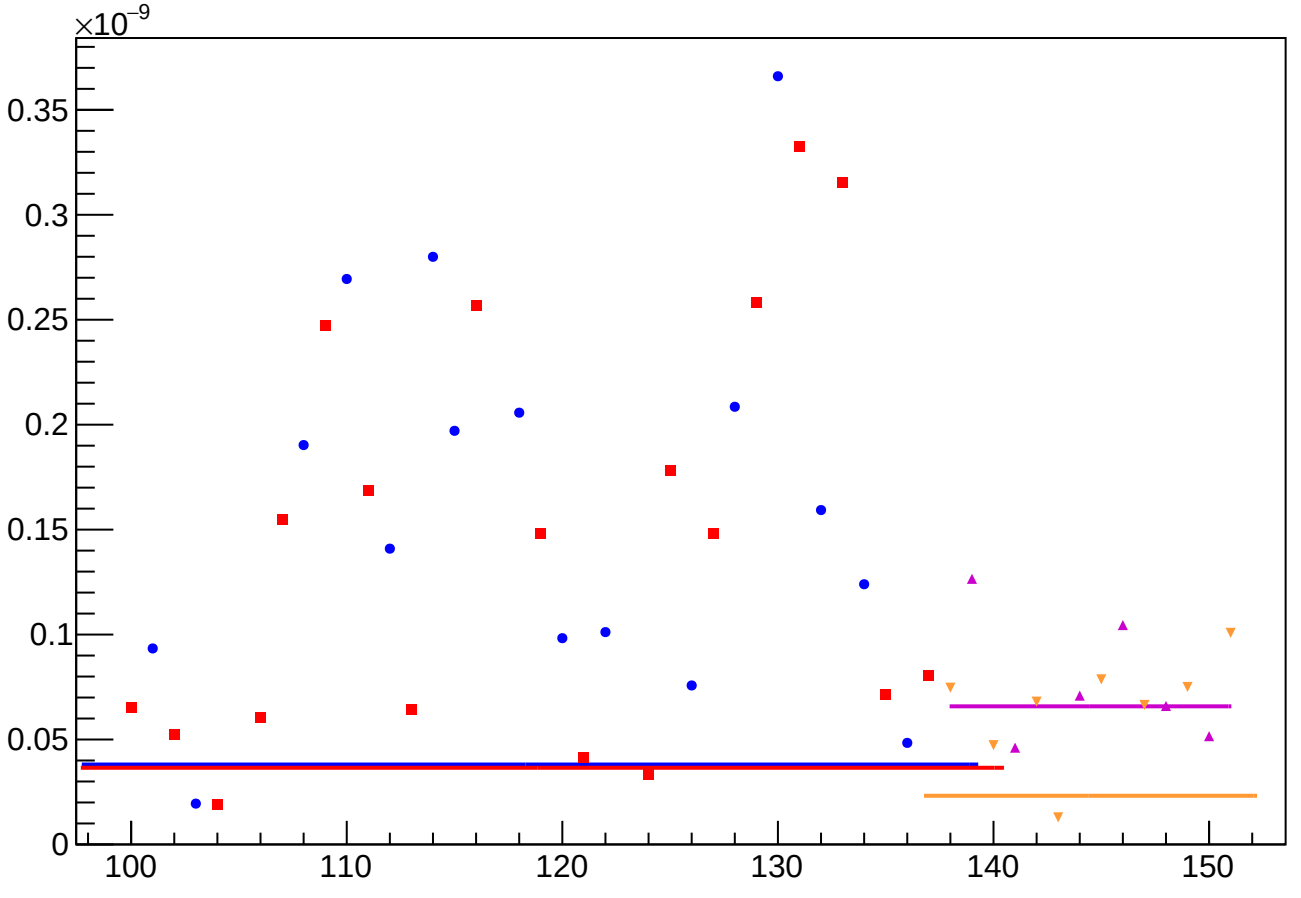
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3591.267+/-0.769 χ^2/NDF:3018306.9/21

Out: 3487.354+/-0.717 χ^2/NDF:3146341.3/26

All: 3535.691+/-0.524 χ^2/NDF: 6174420.7/48


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:8.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.3/5
Left: 0.000+/-0.000 χ²/NDF: 16.1/13
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: 0.000+/-0.000 χ²/NDF:18.1/21
Out: 0.000+/-0.000 χ²/NDF:25.0/26
All: 0.000+/-0.000 χ²/NDF: 43.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2282377.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:456055.0/5

Left: 0.000+/-0.000 χ^2/NDF: 4012238.2/13

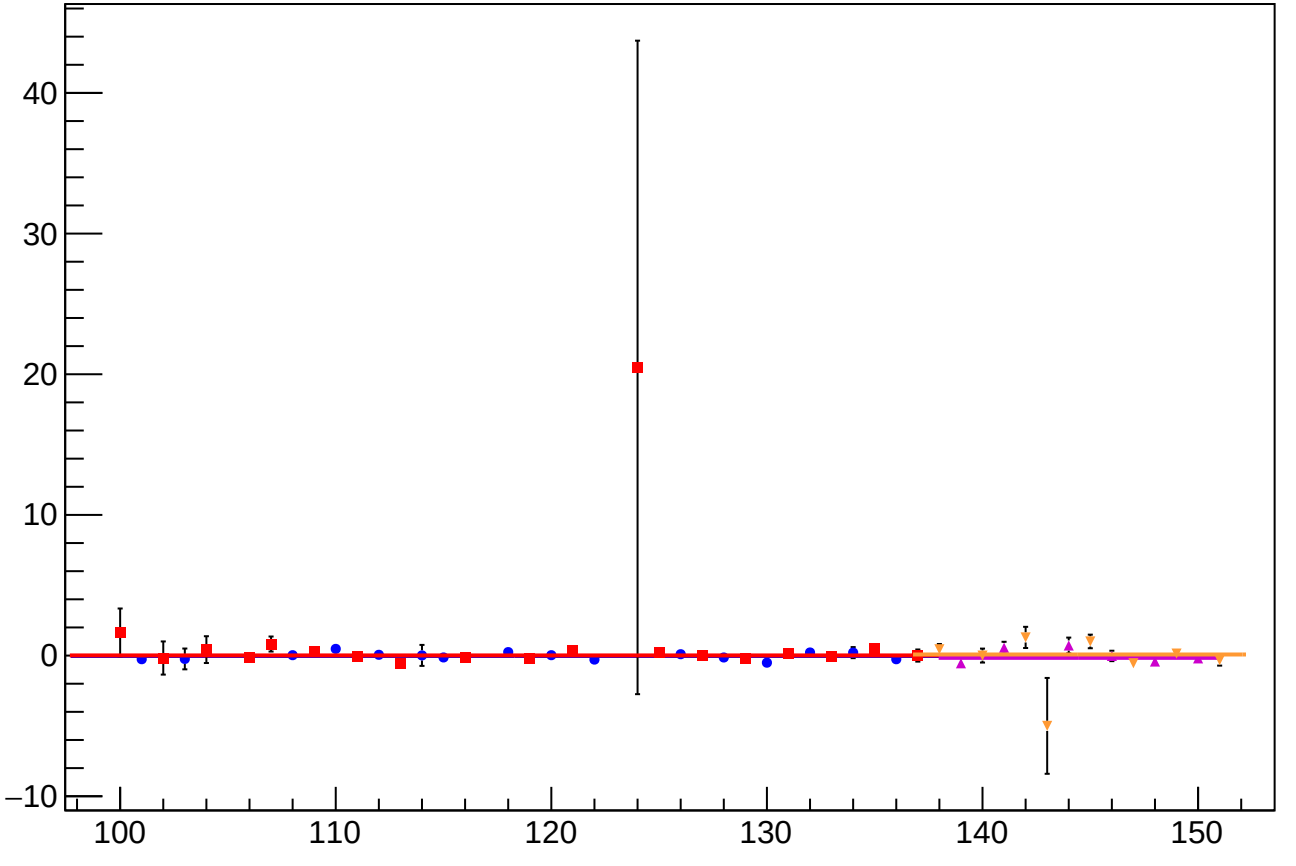
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:3776120.3/21

Out: 0.000+/-0.000 χ^2/NDF:5202650.3/26

All: 0.000+/-0.000 χ^2/NDF: 9706406.4/48

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: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.161+/-0.145 χ^2/NDF:8.1/5

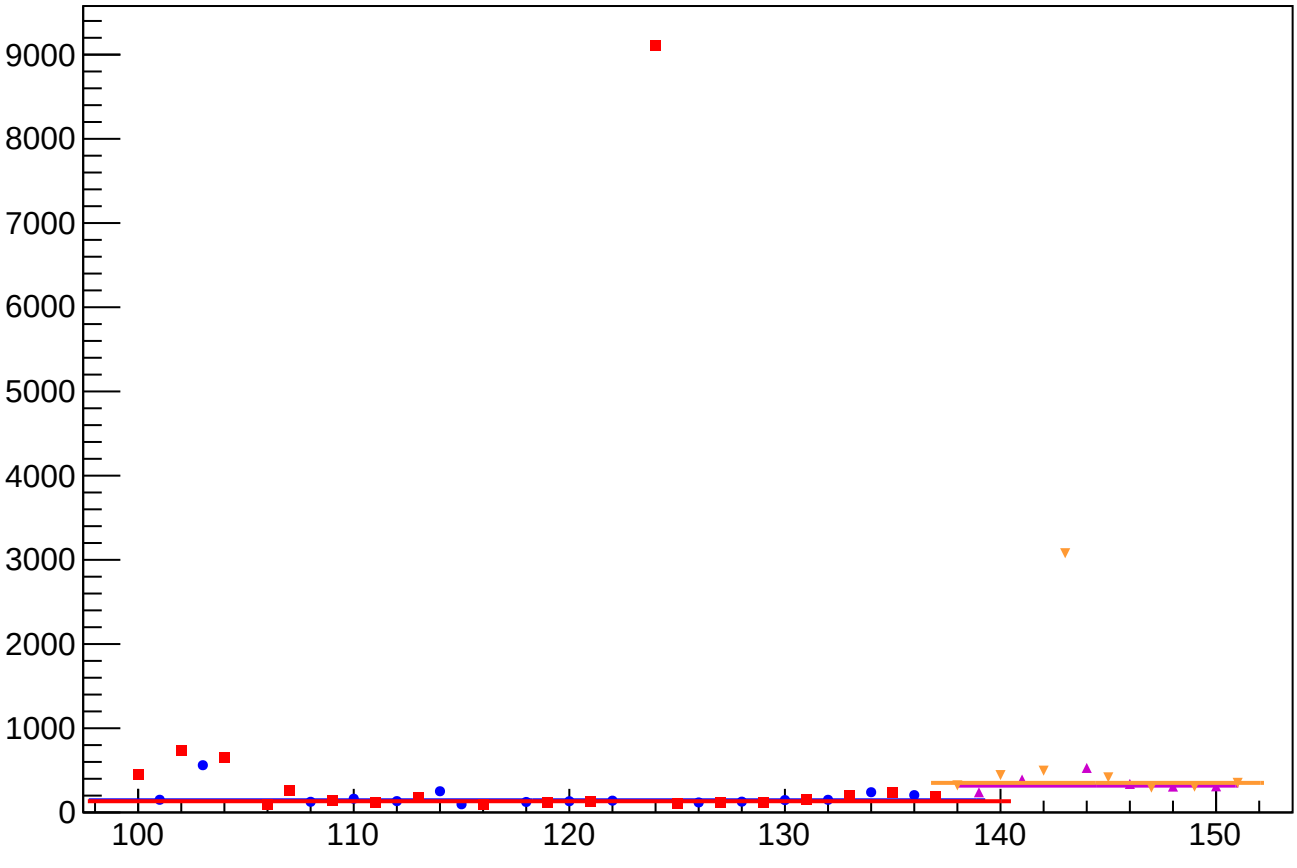
Left: -0.049+/-0.105 χ^2/NDF: 23.7/13

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.047+/-0.054 χ^2/NDF:26.1/21

Out: 0.019+/-0.053 χ^2/NDF:36.3/26

All: -0.014+/-0.038 χ^2/NDF: 63.1/48



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 351.311+/-0.109 χ^2/NDF:1570087.4/7

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 318.542+/-0.103 χ^2/NDF:516590.0/5

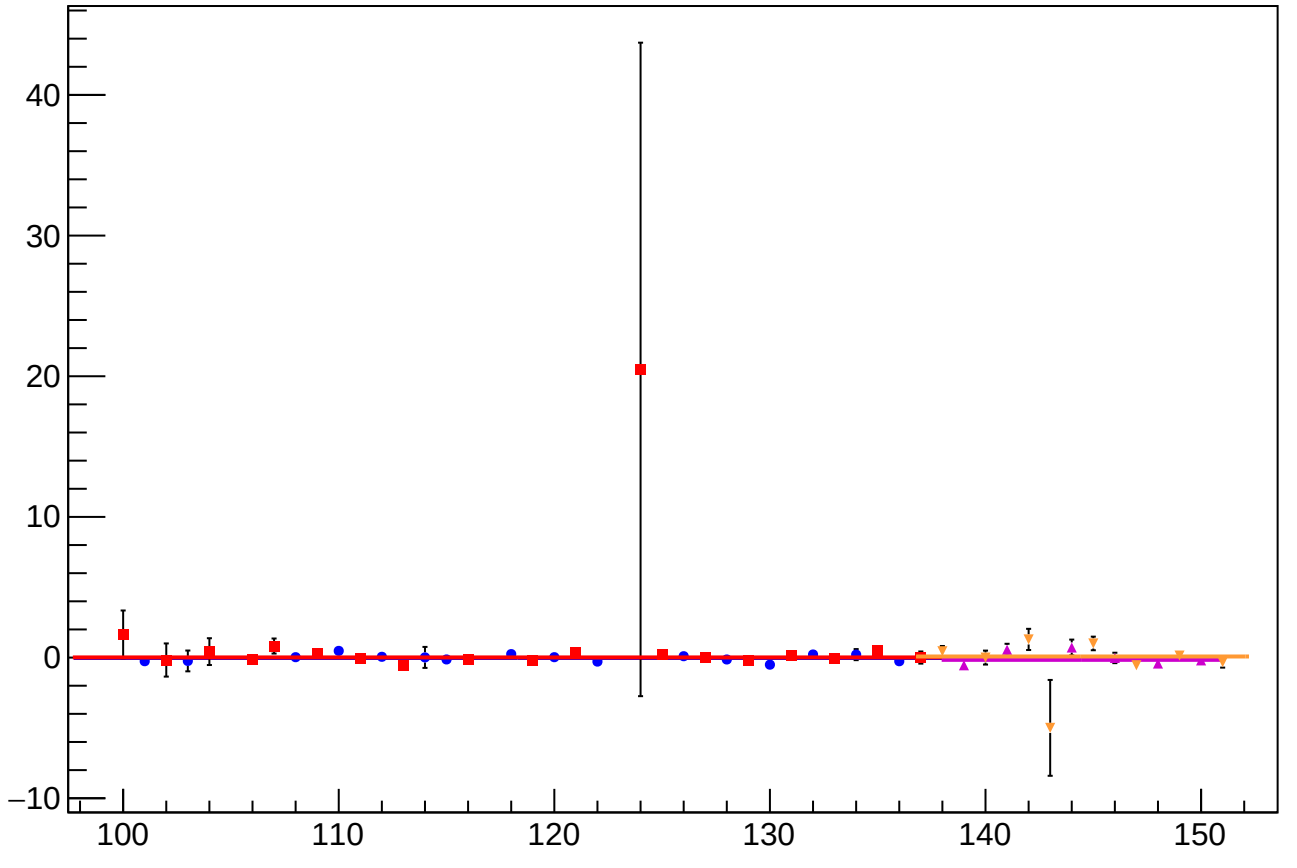
Left: 333.982+/-0.075 χ^2/NDF: 2134811.9/13

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 168.206+/-0.038 χ^2/NDF:4137777.4/21

Out: 159.249+/-0.038 χ^2/NDF:7340758.0/26

All: 163.671+/-0.027 χ^2/NDF: 11506693.6/48



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.161+/-0.145 χ^2/NDF:8.1/5

Left: -0.049+/-0.105 χ^2/NDF: 23.7/13

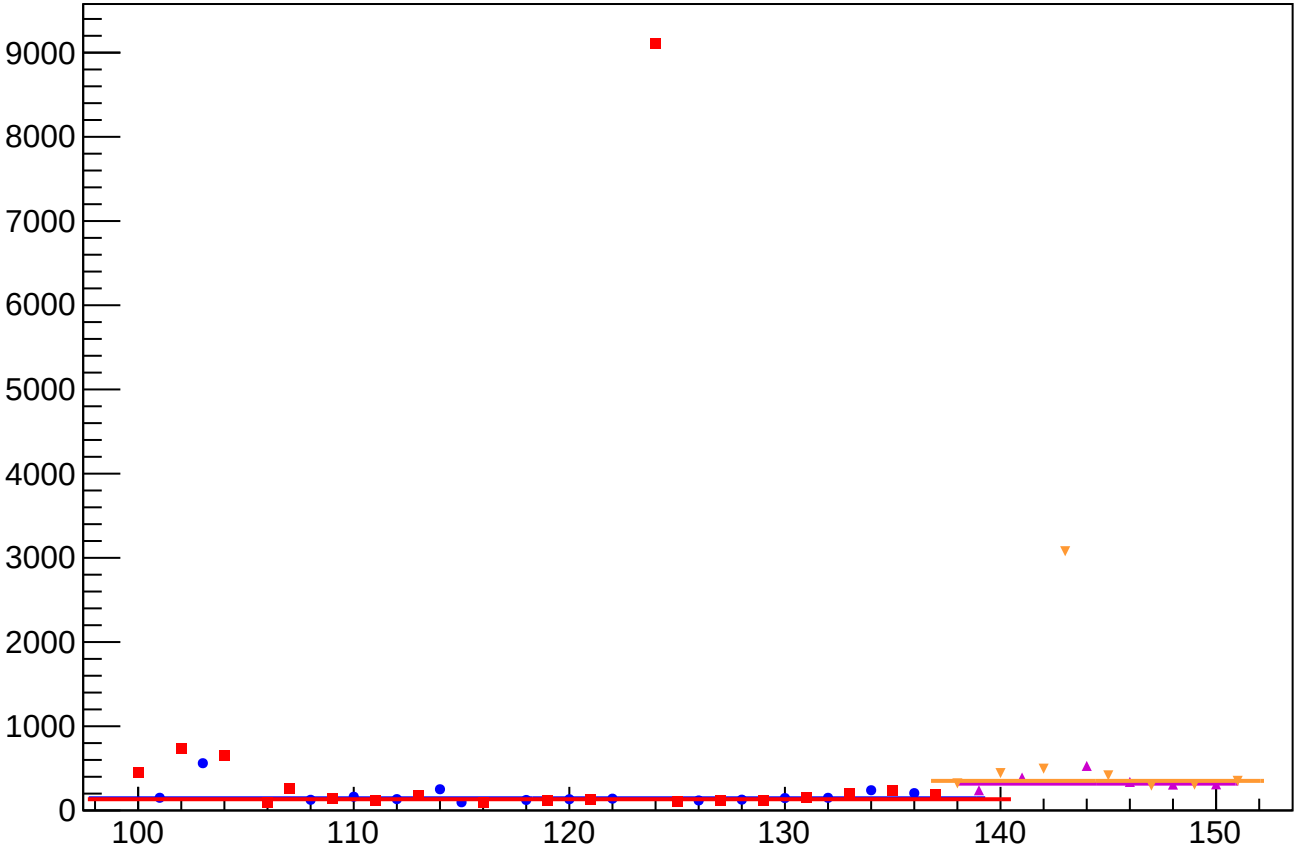
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.047+/-0.054 χ^2/NDF:26.1/21

Out: 0.019+/-0.053 χ^2/NDF:36.3/26

All: -0.014+/-0.038 χ^2/NDF: 63.1/48

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 351.311+/-0.109 χ^2/NDF:1570087.4/7

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 318.542+/-0.103 χ^2/NDF:516590.0/5

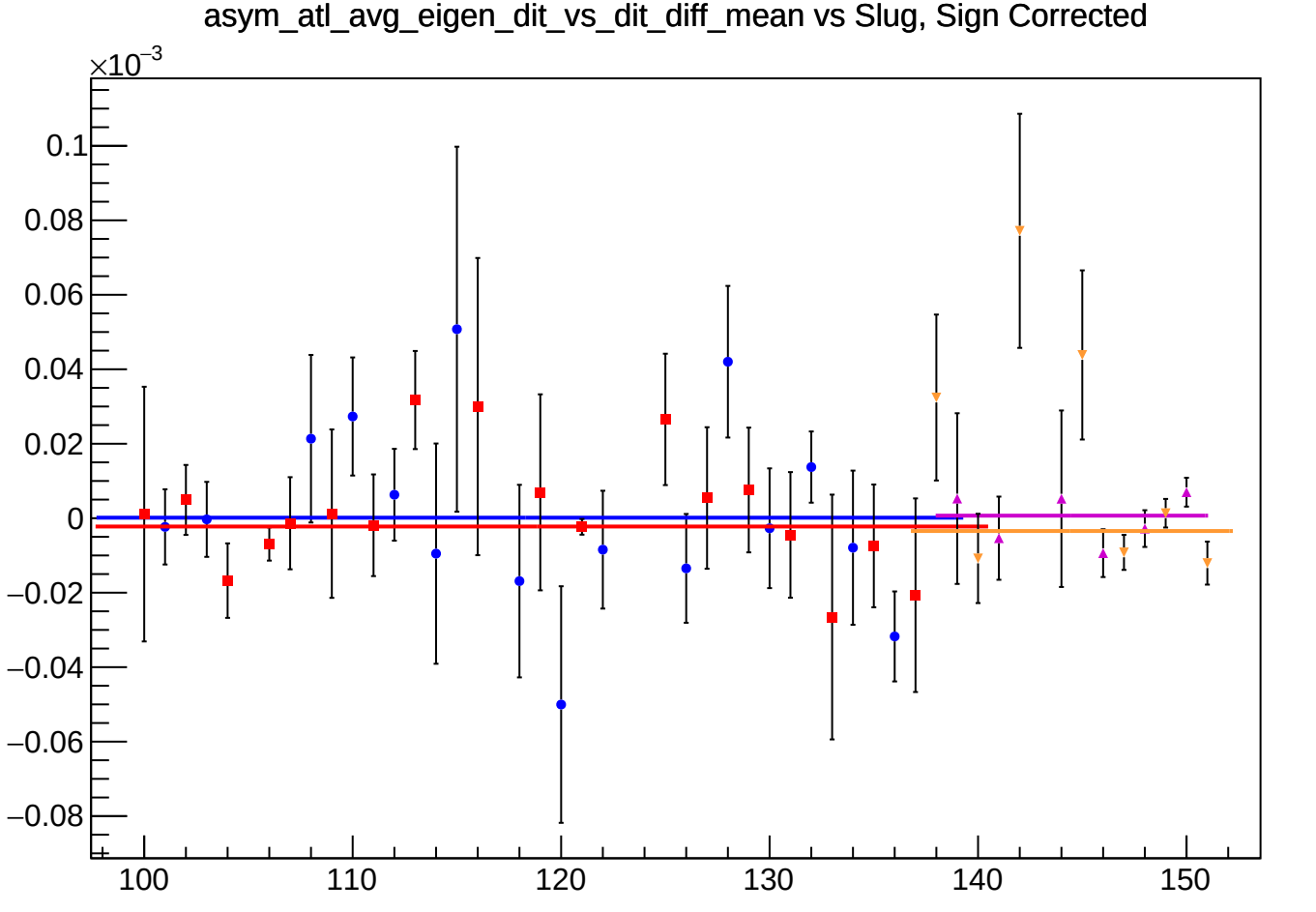
Left: 333.982+/-0.075 χ^2/NDF: 2134811.9/13

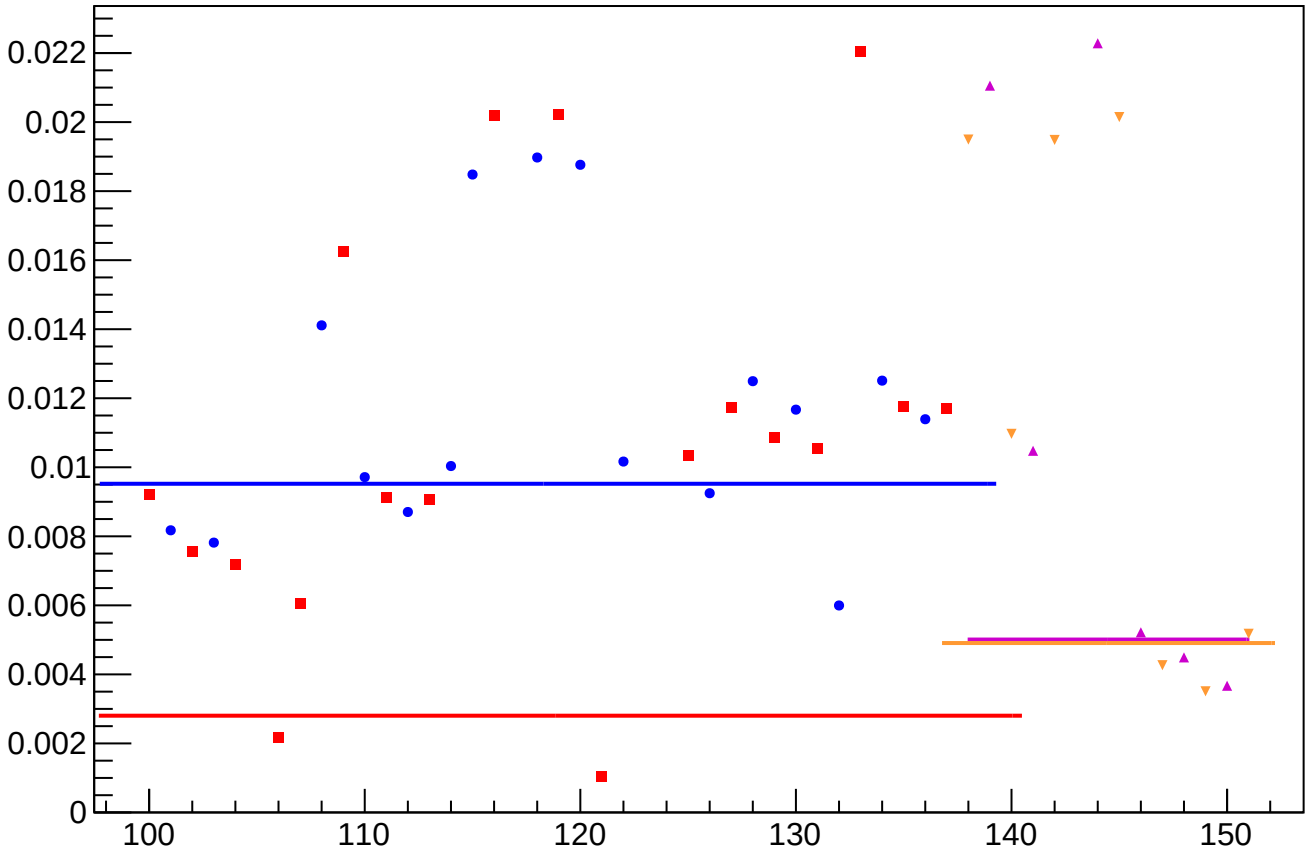
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 168.206+/-0.038 χ^2/NDF:4137777.4/21

Out: 159.249+/-0.038 χ^2/NDF:7340758.0/26

All: 163.671+/-0.027 χ^2/NDF: 11506693.6/48


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:19.1/6
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:6.0/5
Left: -0.000+/-0.000 χ²/NDF: 26.4/12
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:28.8/21
Out: -0.000+/-0.000 χ²/NDF:34.9/24
All: -0.000+/-0.000 χ²/NDF: 65.1/46



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:3005257.0/6

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.005+/-0.000 χ^2/NDF:2785129.2/5

Left: 0.005+/-0.000 χ^2/NDF: 5791911.2/12

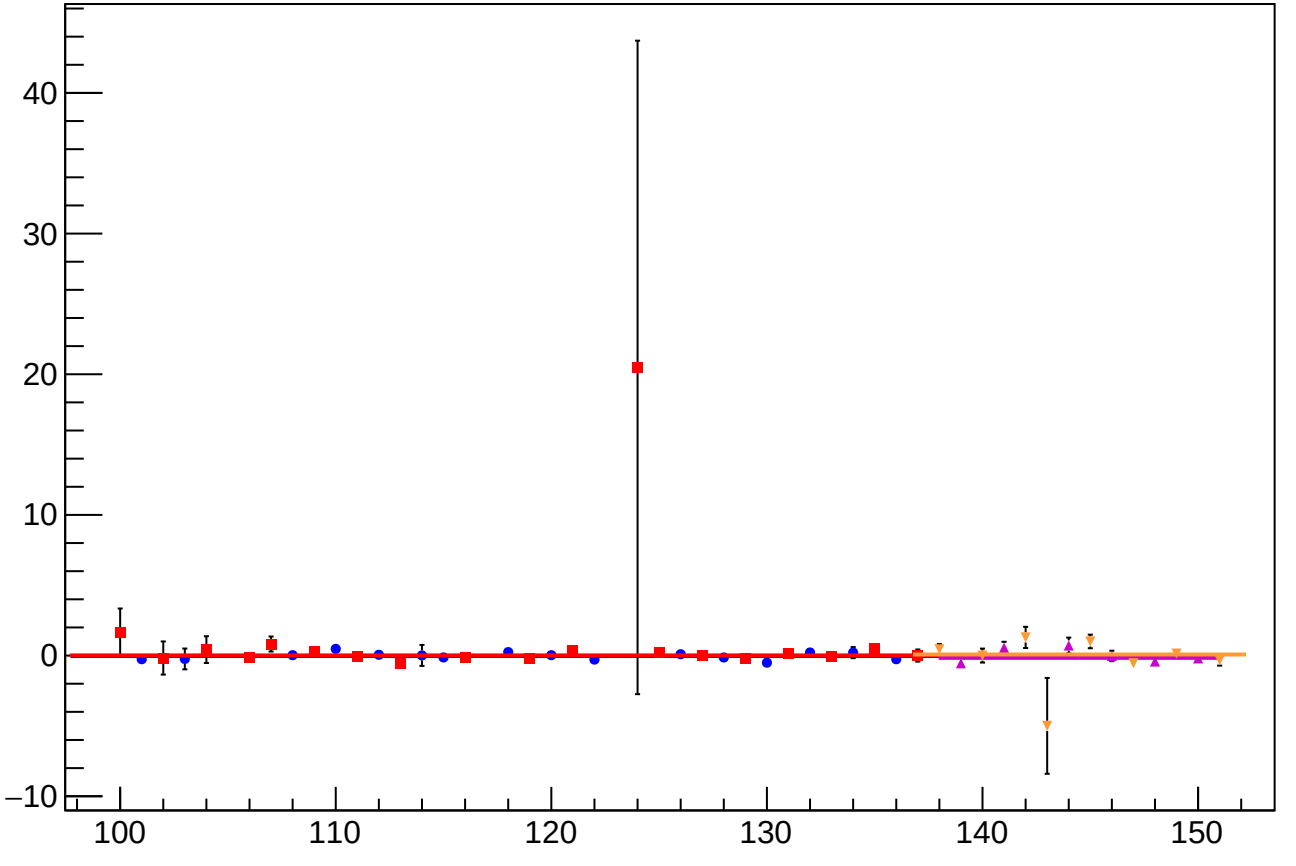
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:5859481.1/21

Out: 0.003+/-0.000 χ^2/NDF:12515881.5/24

All: 0.004+/-0.000 χ^2/NDF: 21145729.7/46

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: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.161+/-0.145 χ^2/NDF:8.1/5

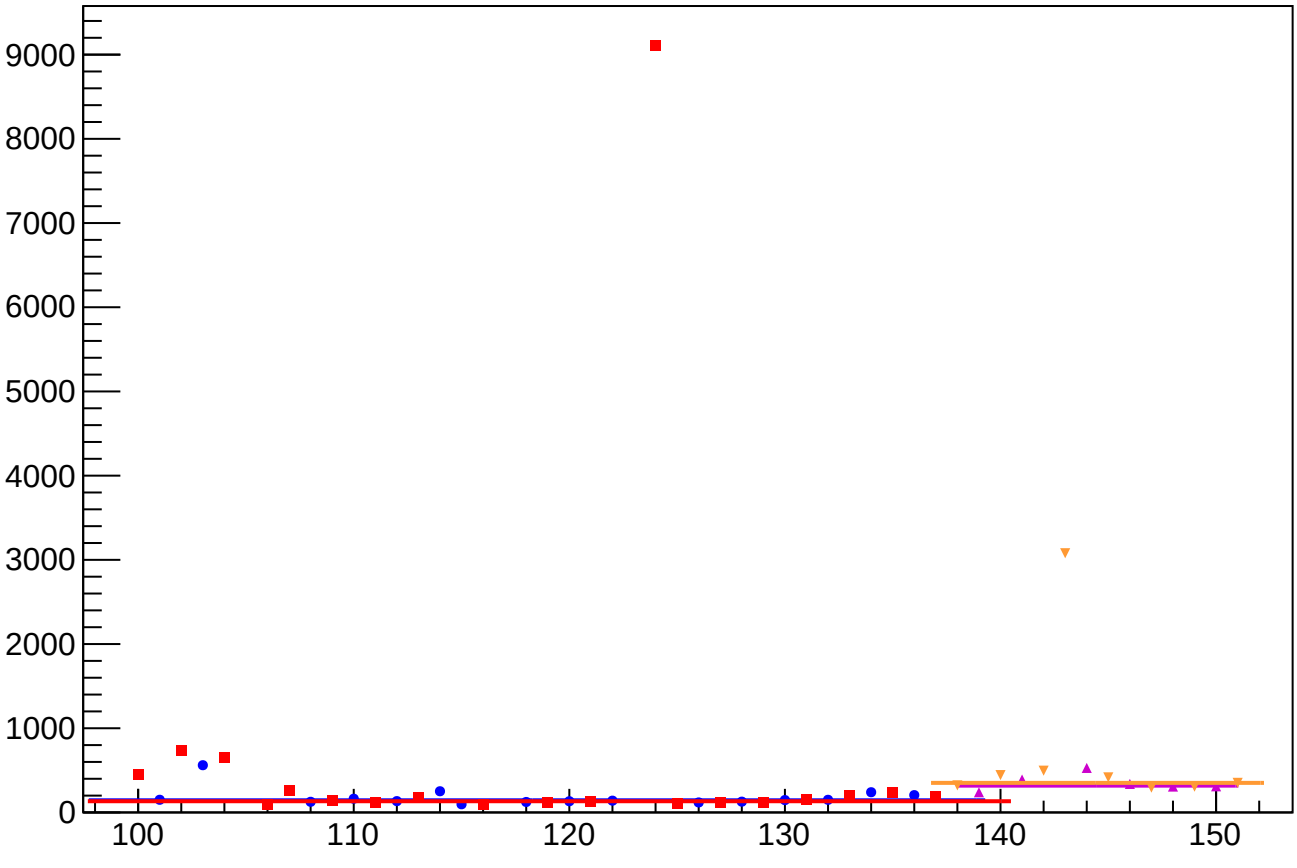
Left: -0.049+/-0.105 χ^2/NDF: 23.7/13

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.047+/-0.054 χ^2/NDF:26.1/21

Out: 0.019+/-0.053 χ^2/NDF:36.3/26

All: -0.014+/-0.038 χ^2/NDF: 63.1/48



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 351.313+/-0.109 χ^2/NDF:1570108.8/7

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 318.547+/-0.103 χ^2/NDF:516573.9/5

Left: 333.985+/-0.075 χ^2/NDF: 2134811.4/13

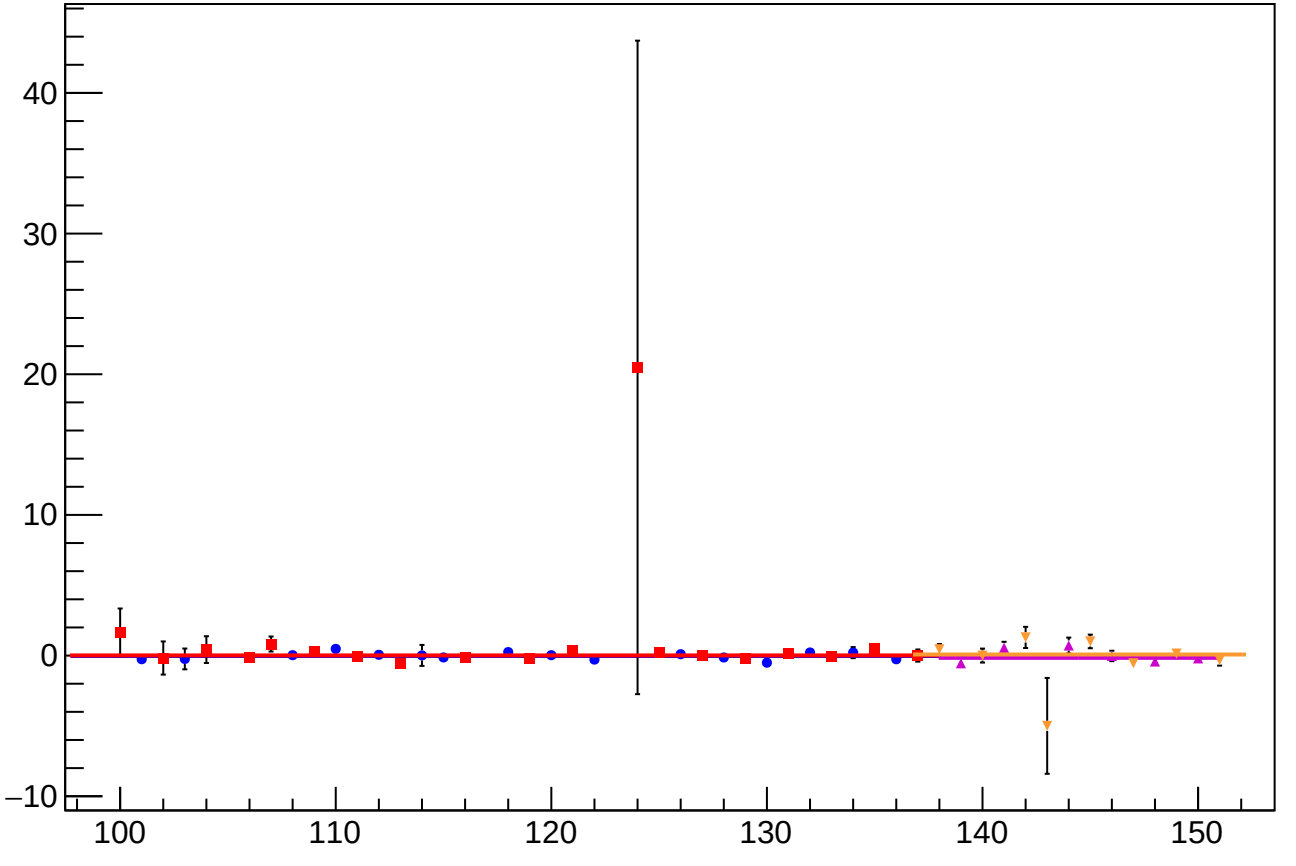
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 168.205+/-0.038 χ^2/NDF:4137898.8/21

Out: 159.249+/-0.038 χ^2/NDF:7340798.7/26

All: 163.670+/-0.027 χ^2/NDF: 11506851.6/48

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: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.161+/-0.145 χ^2/NDF:8.1/5

Left: -0.049+/-0.105 χ^2/NDF: 23.7/13

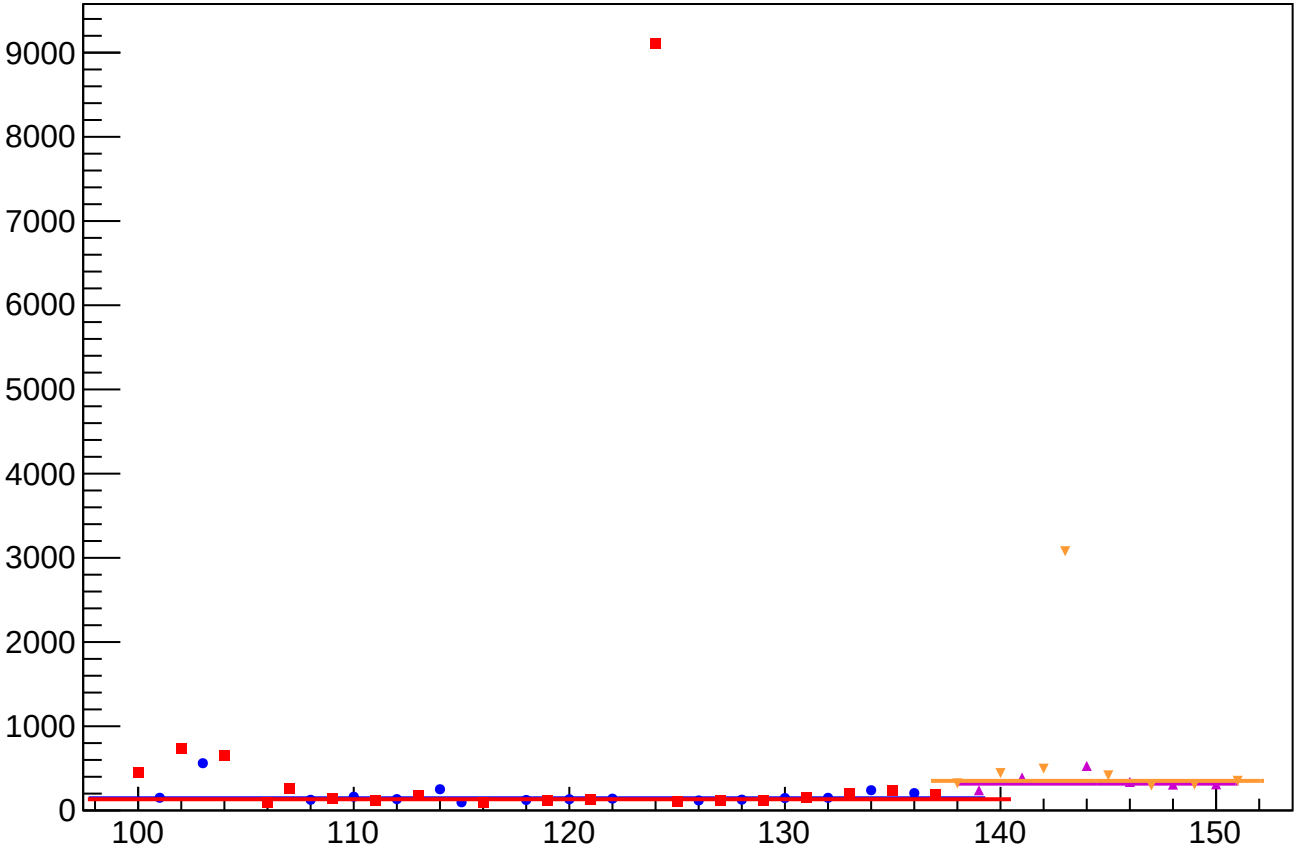
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.047+/-0.054 χ^2/NDF:26.1/21

Out: 0.019+/-0.053 χ^2/NDF:36.3/26

All: -0.014+/-0.038 χ^2/NDF: 63.1/48

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: 351.313+/-0.109 χ^2/NDF:1570108.8/7

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 318.547+/-0.103 χ^2/NDF:516573.9/5

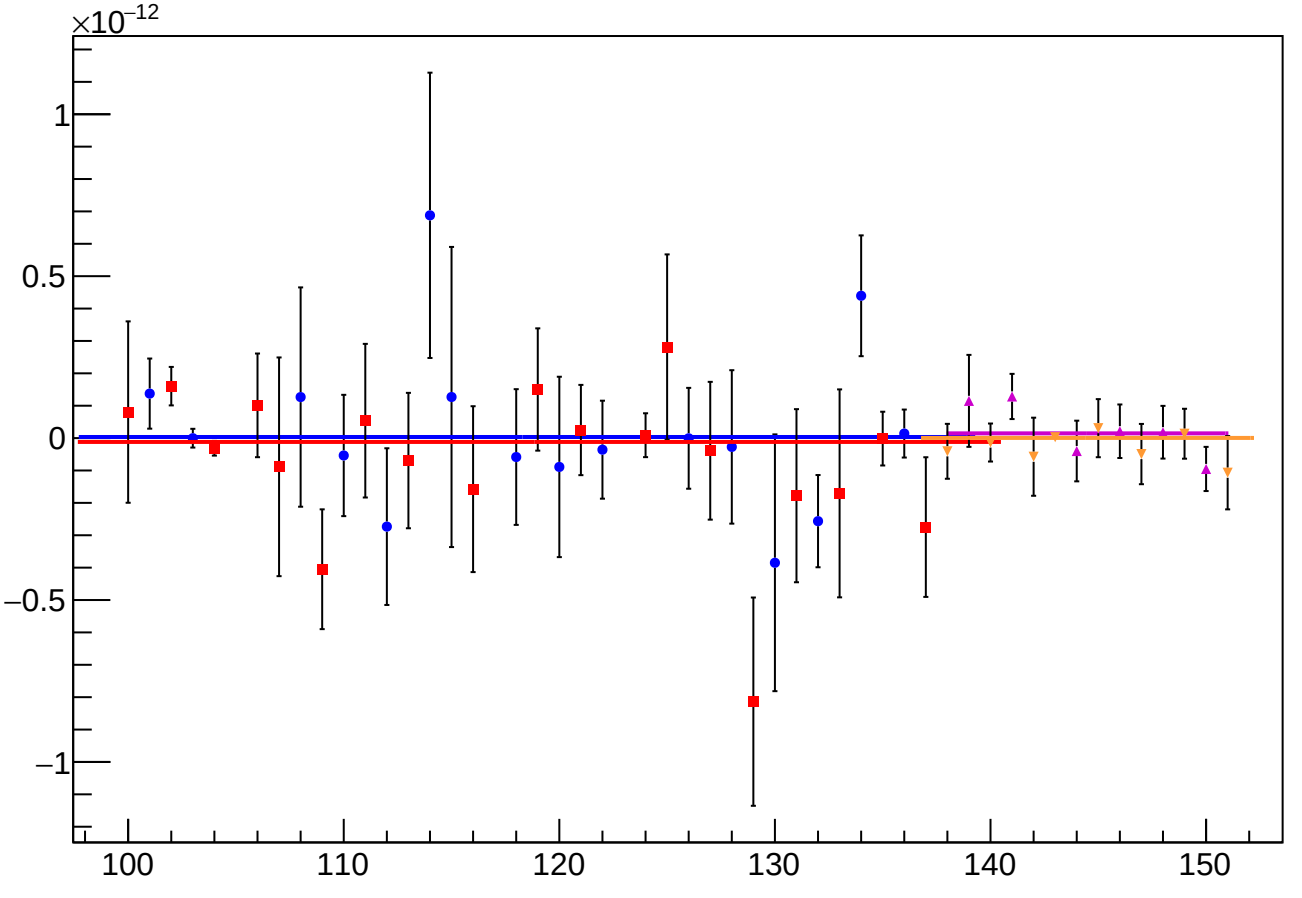
Left: 333.985+/-0.075 χ^2/NDF: 2134811.4/13

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 168.205+/-0.038 χ^2/NDF:4137898.8/21

Out: 159.249+/-0.038 χ^2/NDF:7340798.7/26

All: 163.670+/-0.027 χ^2/NDF: 11506851.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/5

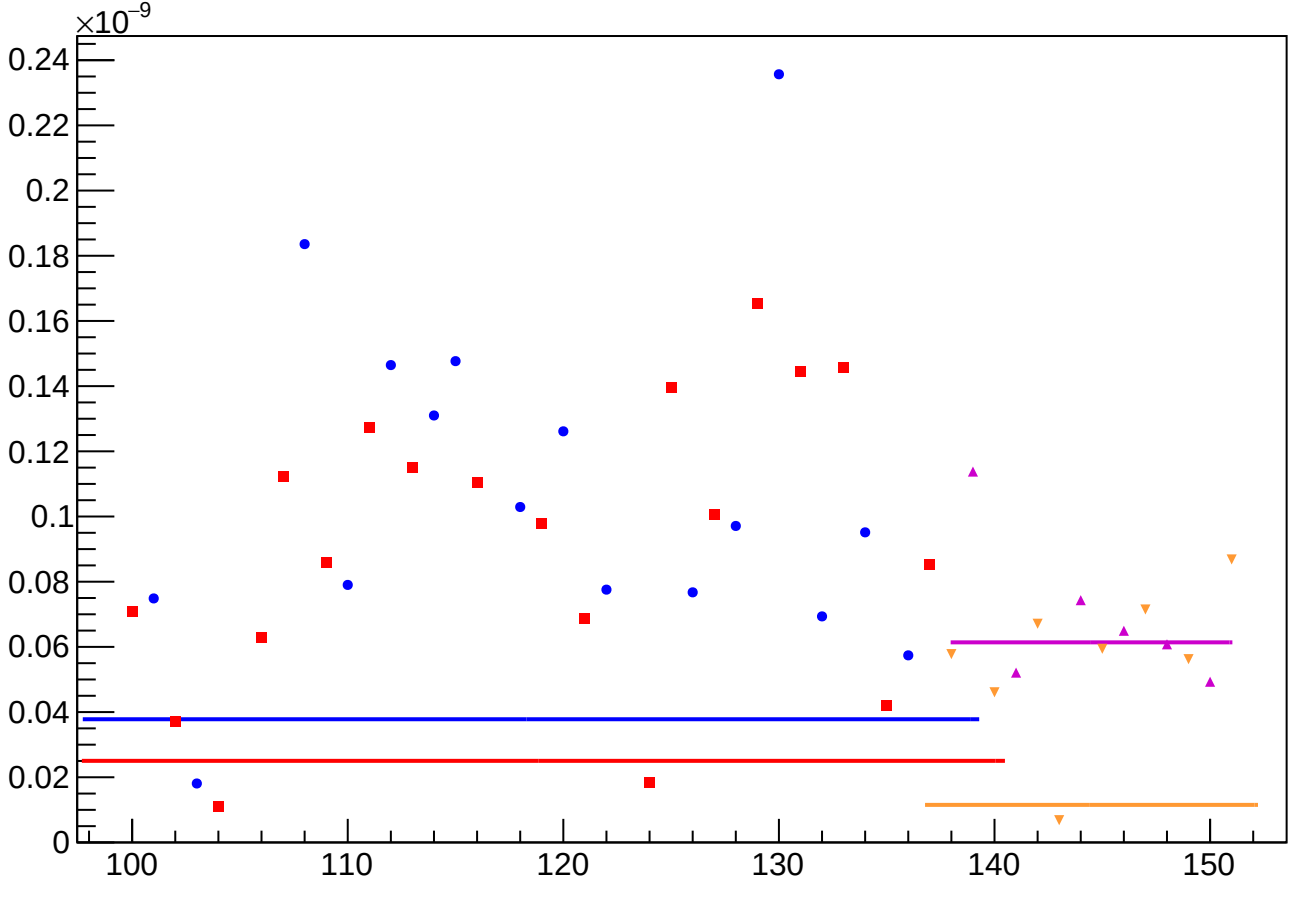
Left: 0.000+/-0.000 χ^2/NDF: 8.2/13

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:21.8/21

Out: -0.000+/-0.000 χ^2/NDF:27.4/26

All: -0.000+/-0.000 χ^2/NDF: 49.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5108444.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:412448.6/5

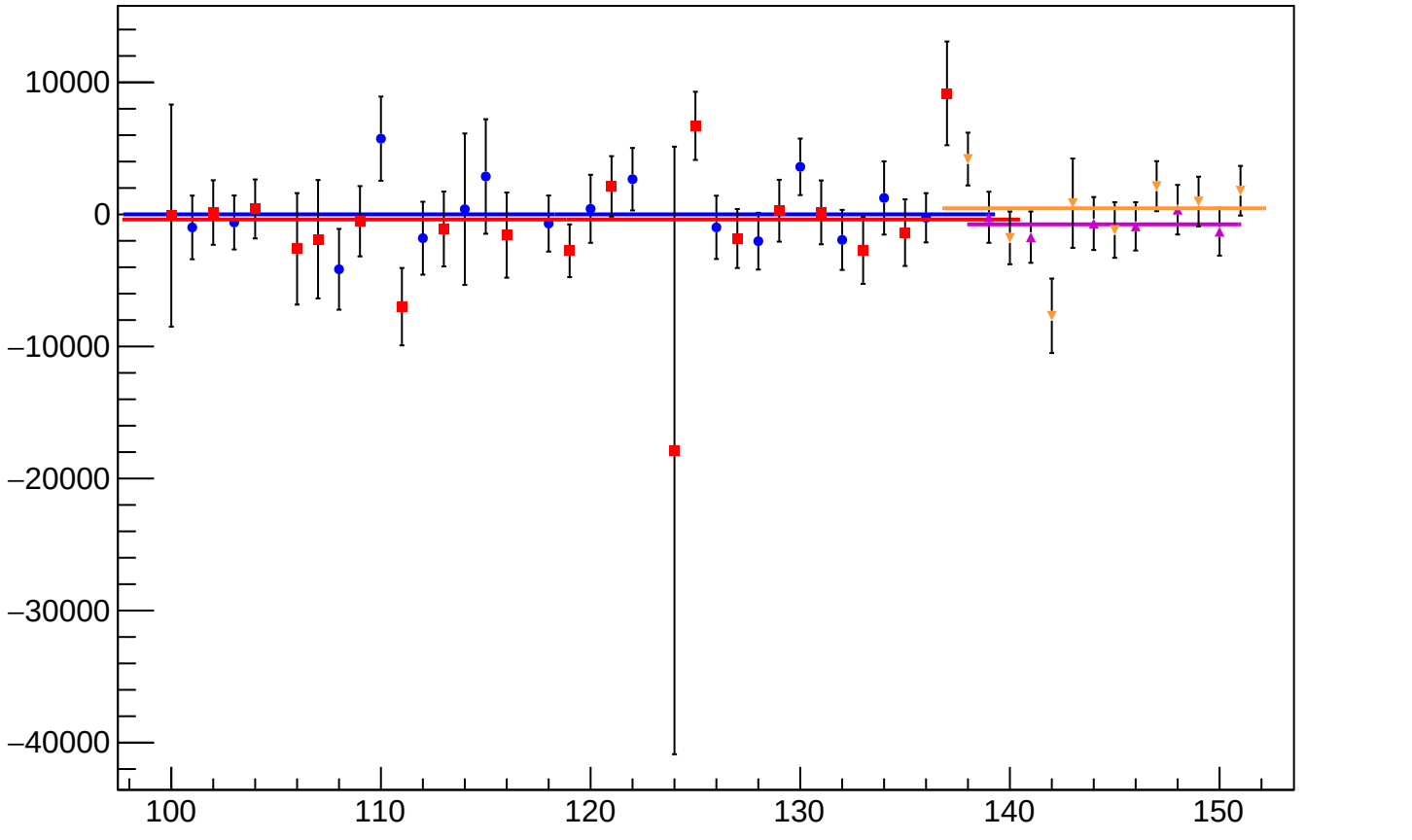
Left: 0.000+/-0.000 χ^2/NDF: 9575997.8/13

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:5007277.0/21

Out: 0.000+/-0.000 χ^2/NDF:10648152.5/26

All: 0.000+/-0.000 χ^2/NDF: 19992895.1/48



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 461.992+/-748.894 χ^2/NDF:15.0/7

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -751.219+/-774.632 χ^2/NDF:0.8/5

Left: -124.124+/-538.417 χ^2/NDF: 17.1/13

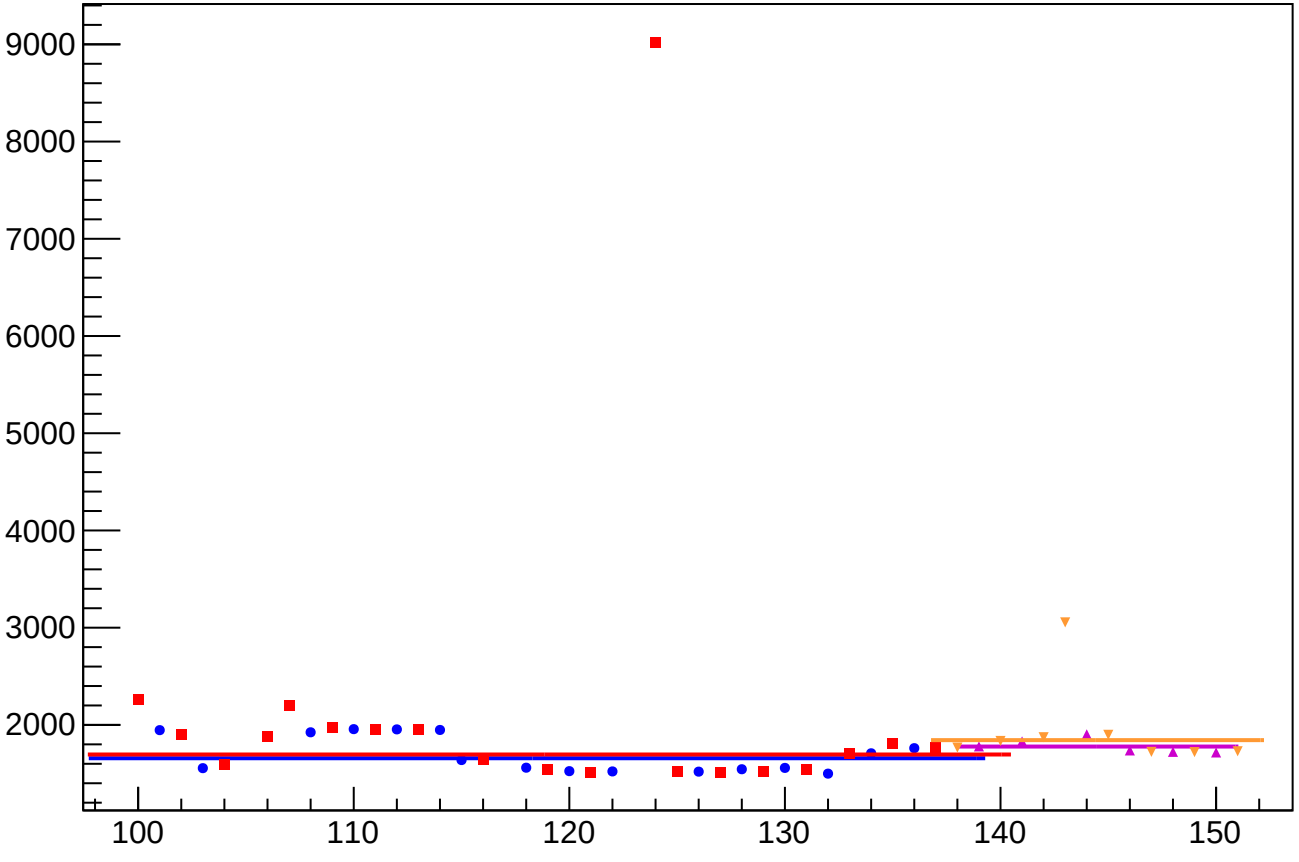
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -290.608+/-484.004 χ^2/NDF:13.8/21

Out: -31.457+/-483.743 χ^2/NDF:39.8/26

All: -160.963+/-342.150 χ^2/NDF: 53.8/48

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1843.363+/-0.530 χ^2/NDF:285290.5/7

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1777.403+/-0.548 χ^2/NDF:14221.4/5

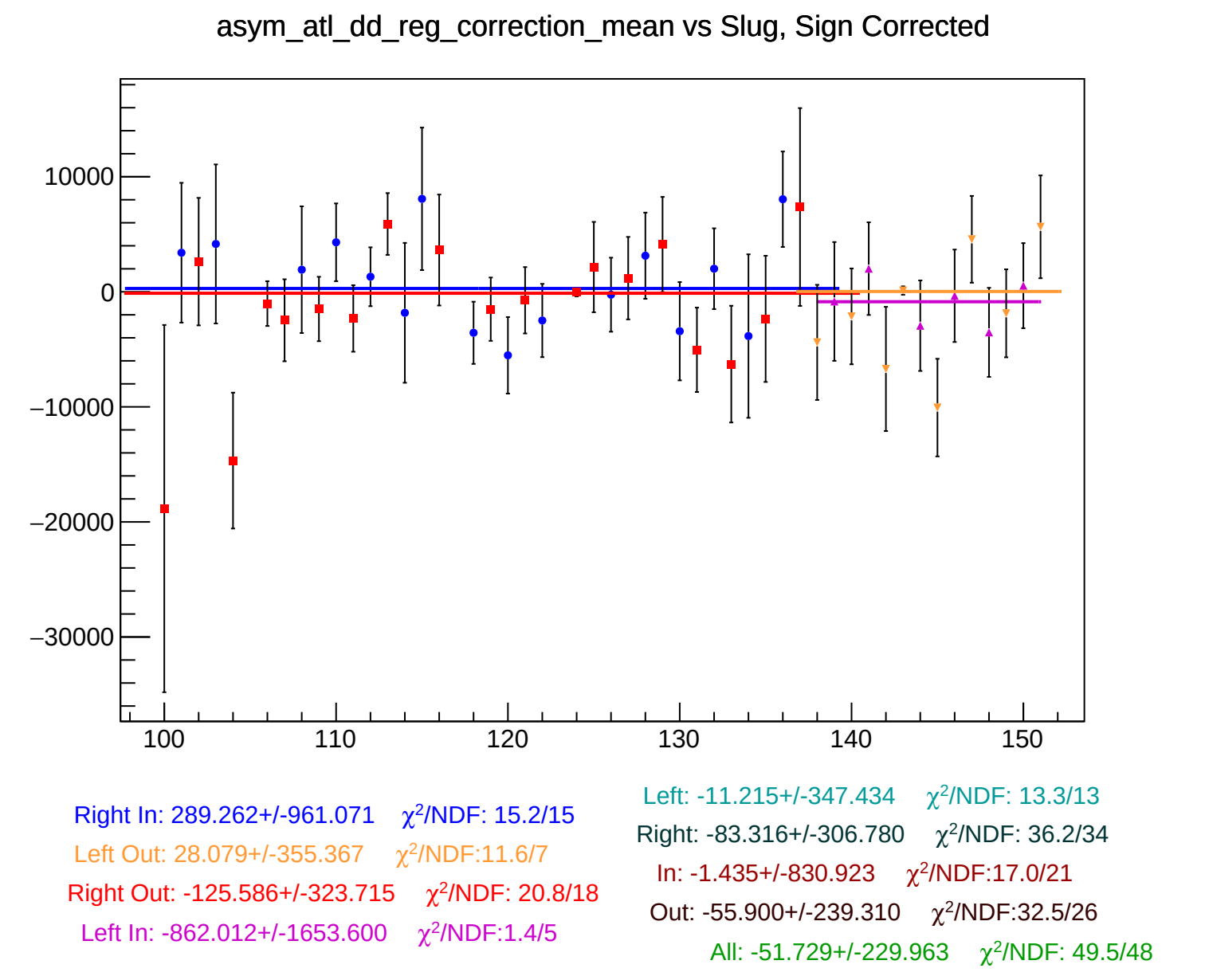
Left: 1811.497+/-0.381 χ^2/NDF: 307007.2/13

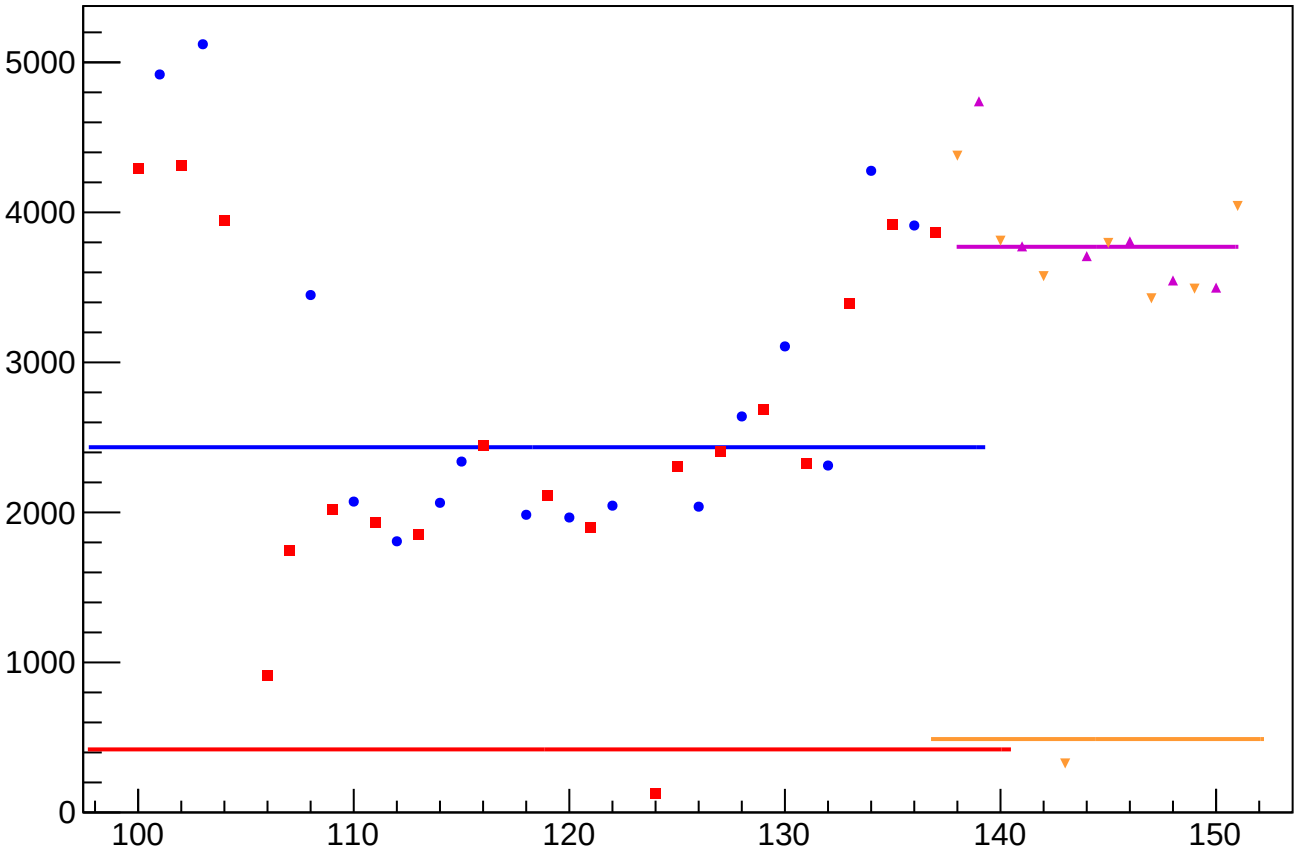
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1704.078+/-0.342 χ^2/NDF:187600.8/21

Out: 1756.950+/-0.341 χ^2/NDF:717024.9/26

All: 1730.599+/-0.242 χ^2/NDF: 916597.8/48


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 289.262+/-961.071 χ²/NDF: 15.2/15
Left Out: 28.079+/-355.367 χ²/NDF:11.6/7
Right Out: -125.586+/-323.715 χ²/NDF: 20.8/18
Left In: -862.012+/-1653.600 χ²/NDF:1.4/5
Left: -11.215+/-347.434 χ²/NDF: 13.3/13
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: -1.435+/-830.923 χ²/NDF:17.0/21
Out: -55.900+/-239.310 χ²/NDF:32.5/26
All: -51.729+/-229.963 χ²/NDF: 49.5/48



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 489.237+/-0.251 χ^2/NDF:8461212.7/7

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 3770.544+/-1.169 χ^2/NDF:88831.3/5

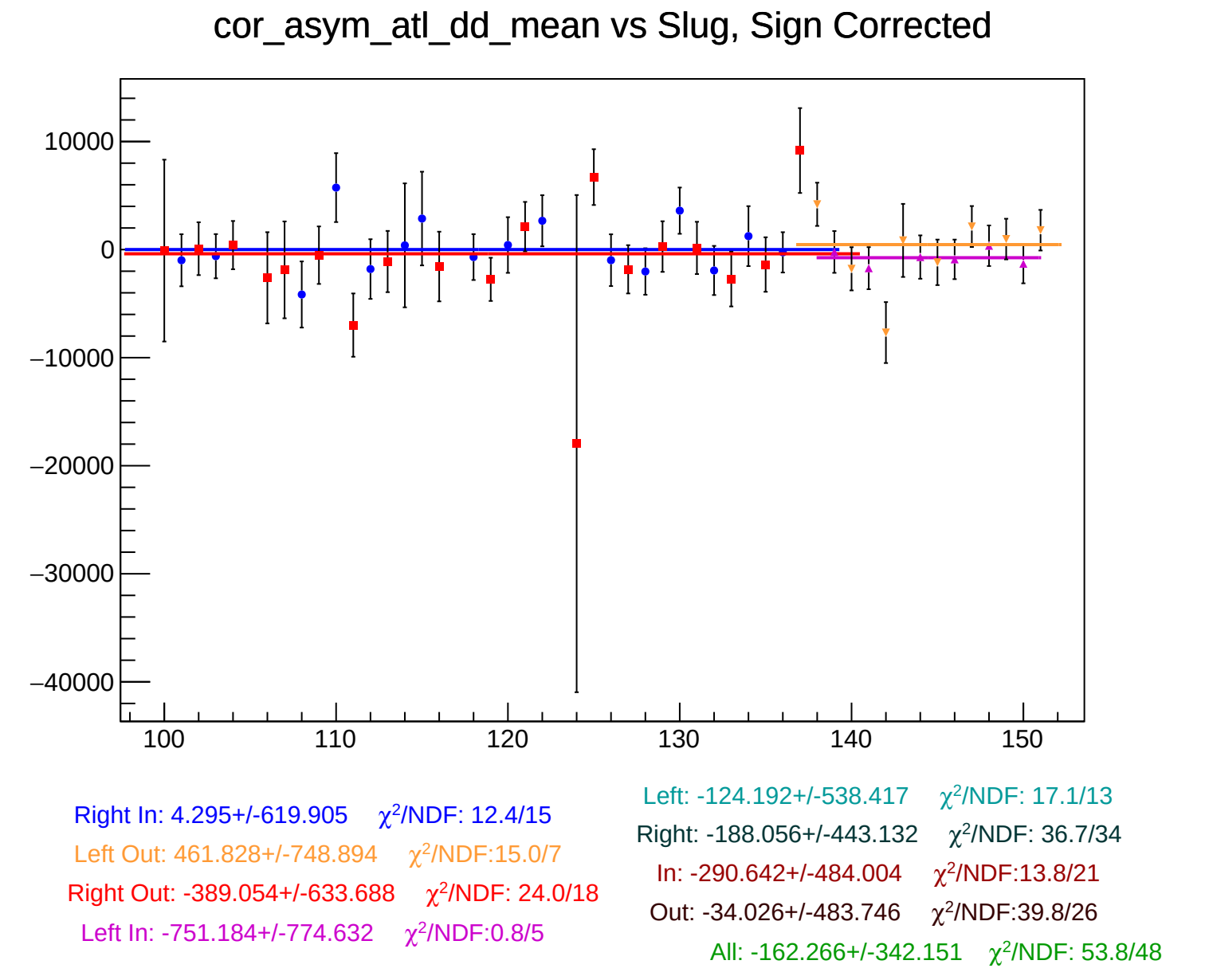
Left: 634.092+/-0.246 χ^2/NDF: 16077612.5/13

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

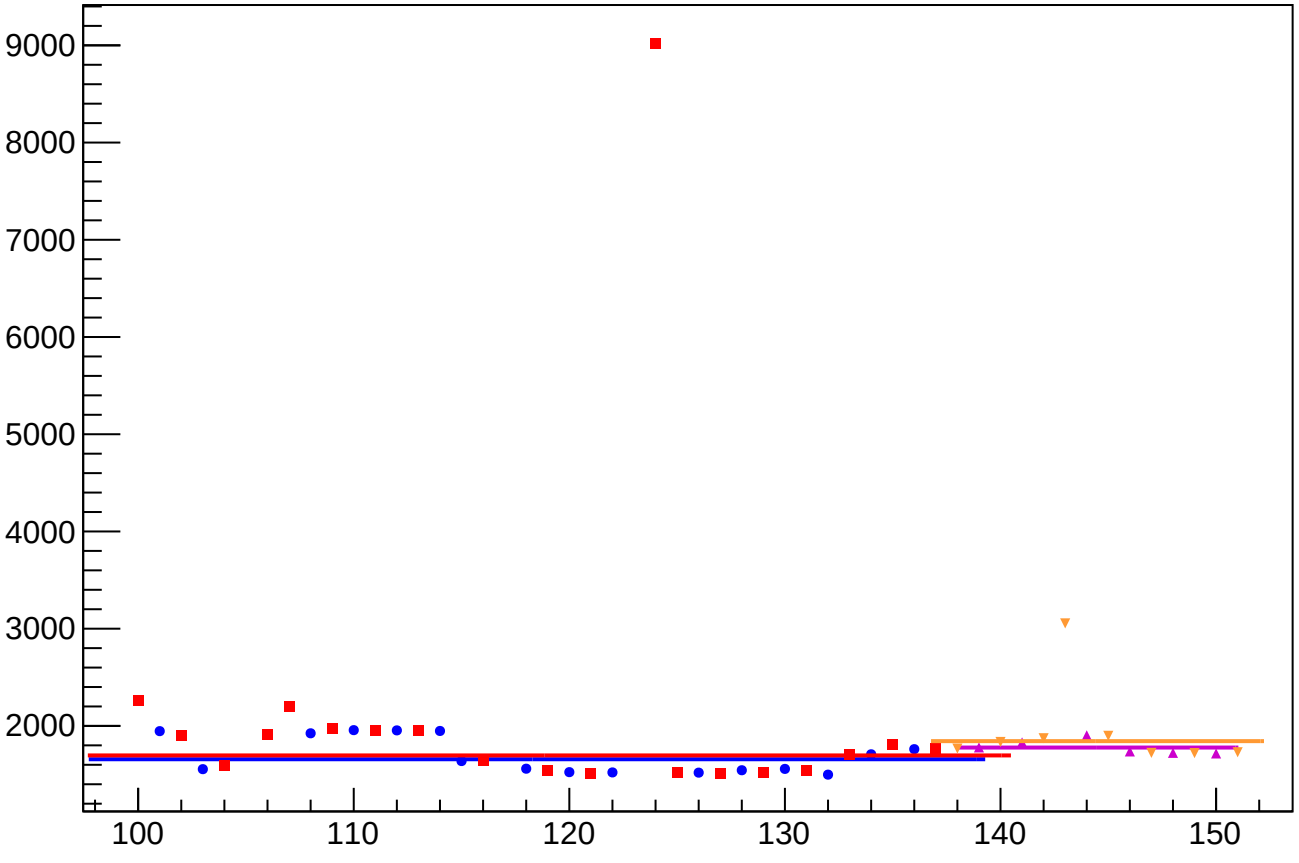
In: 2771.921+/-0.588 χ^2/NDF:2522354.1/21

Out: 451.558+/-0.169 χ^2/NDF:19566328.3/26

All: 629.283+/-0.163 χ^2/NDF: 36490339.8/48


cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 4.295+/-619.905 χ²/NDF: 12.4/15
Left Out: 461.828+/-748.894 χ²/NDF:15.0/7
Right Out: -389.054+/-633.688 χ²/NDF: 24.0/18
Left In: -751.184+/-774.632 χ²/NDF:0.8/5
Left: -124.192+/-538.417 χ²/NDF: 17.1/13
Right: -188.056+/-443.132 χ²/NDF: 36.7/34
In: -290.642+/-484.004 χ²/NDF:13.8/21
Out: -34.026+/-483.746 χ²/NDF:39.8/26
All: -162.266+/-342.151 χ²/NDF: 53.8/48

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1843.363+/-0.530 χ^2/NDF:285290.5/7

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1777.403+/-0.548 χ^2/NDF:14221.4/5

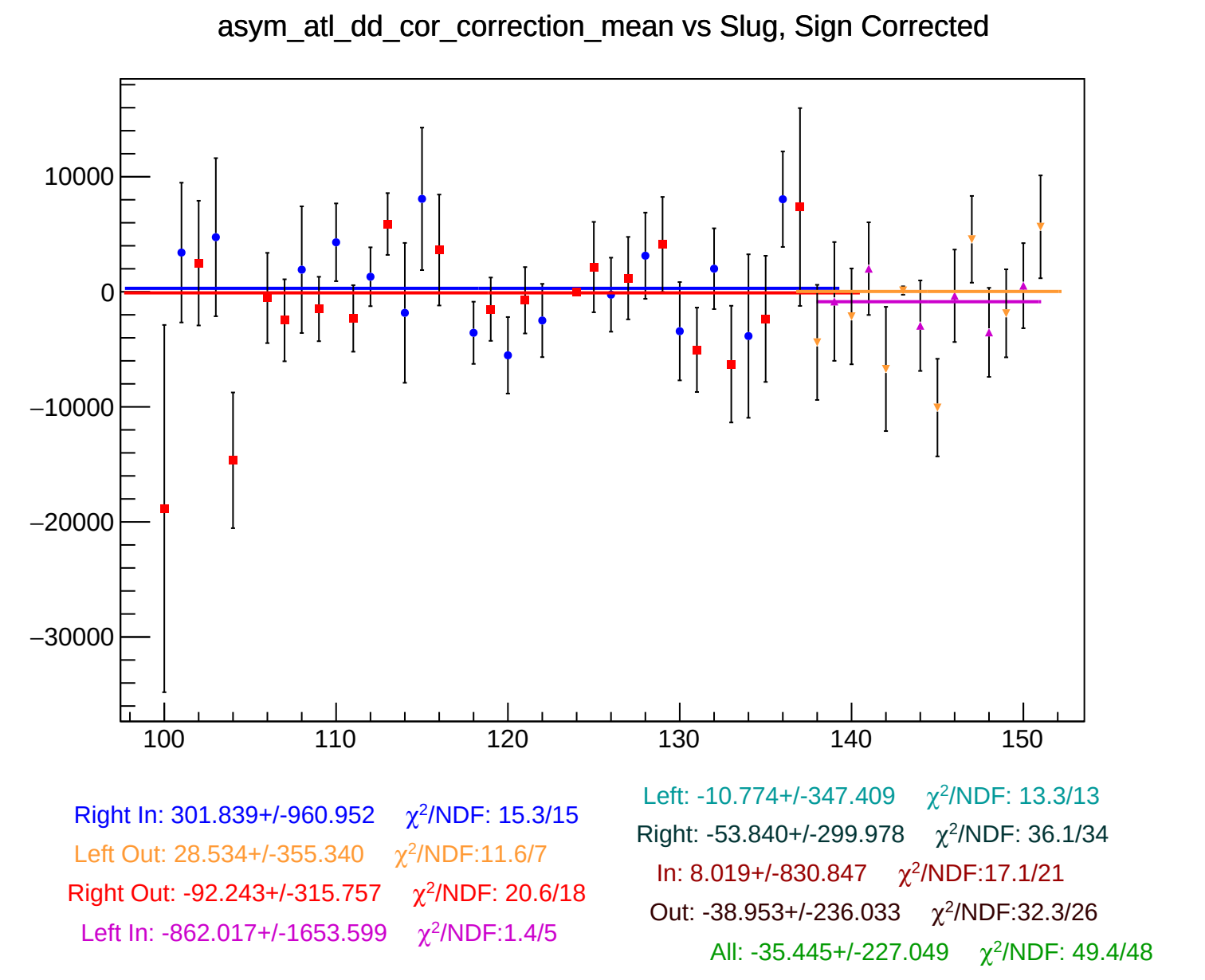
Left: 1811.497+/-0.381 χ^2/NDF: 307007.2/13

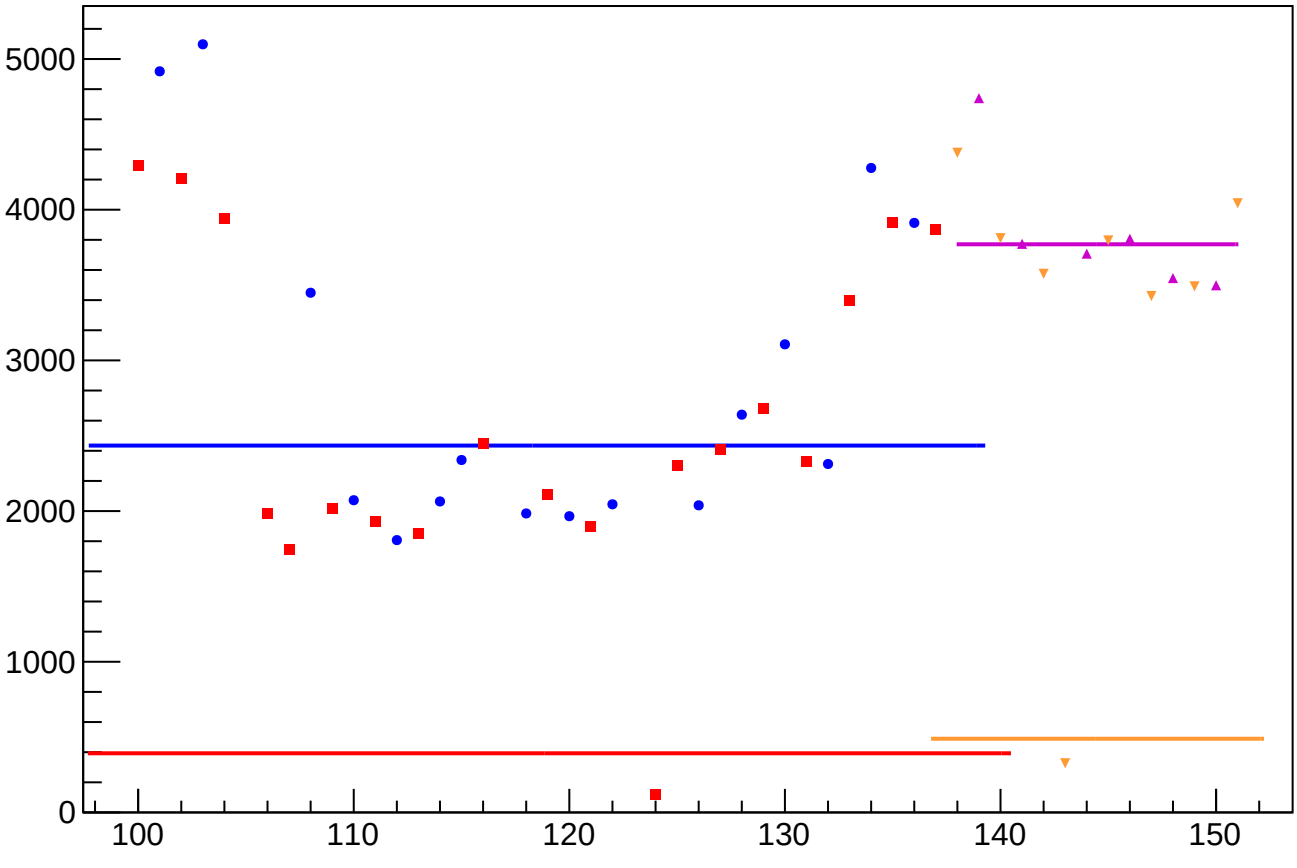
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1704.078+/-0.342 χ^2/NDF:187600.9/21

Out: 1757.449+/-0.341 χ^2/NDF:718277.5/26

All: 1730.842+/-0.242 χ^2/NDF: 918073.9/48


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 28.534+/-355.340 χ²/NDF:11.6/7
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -862.017+/-1653.599 χ²/NDF:1.4/5
Left: -10.774+/-347.409 χ²/NDF: 13.3/13
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: 8.019+/-830.847 χ²/NDF:17.1/21
Out: -38.953+/-236.033 χ²/NDF:32.3/26
All: -35.445+/-227.049 χ²/NDF: 49.4/48



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 489.185+/-0.251 χ^2/NDF:8461412.4/7

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3770.543+/-1.169 χ^2/NDF:88830.1/5

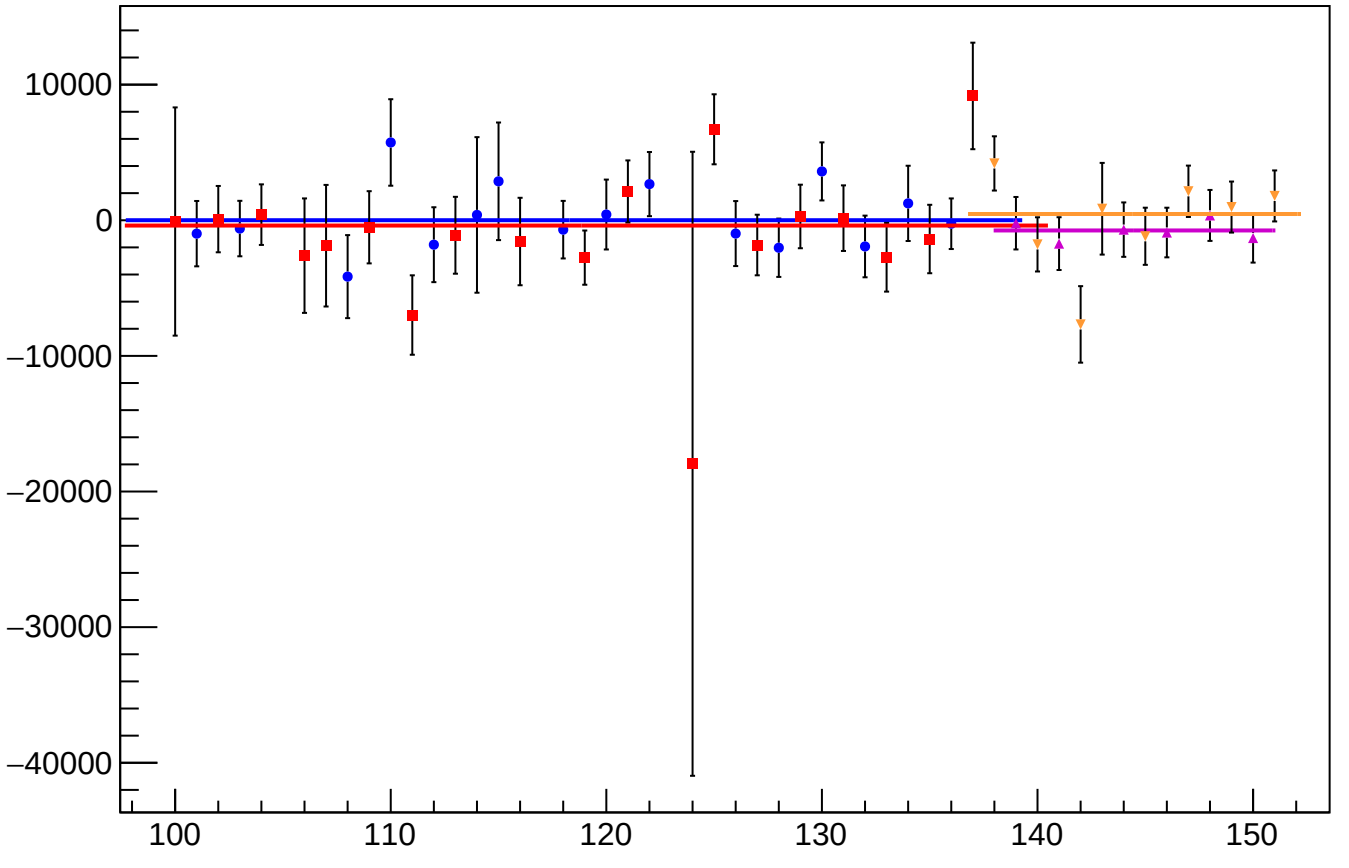
Left: 634.021+/-0.246 χ^2/NDF: 16078100.7/13

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2771.982+/-0.587 χ^2/NDF:2520477.1/21

Out: 435.252+/-0.167 χ^2/NDF:19951873.2/26

All: 609.756+/-0.161 χ^2/NDF: 37110886.5/48



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 461.828+/-748.894 χ^2/NDF:15.0/7

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -751.184+/-774.632 χ^2/NDF:0.8/5

Left: -124.192+/-538.417 χ^2/NDF: 17.1/13

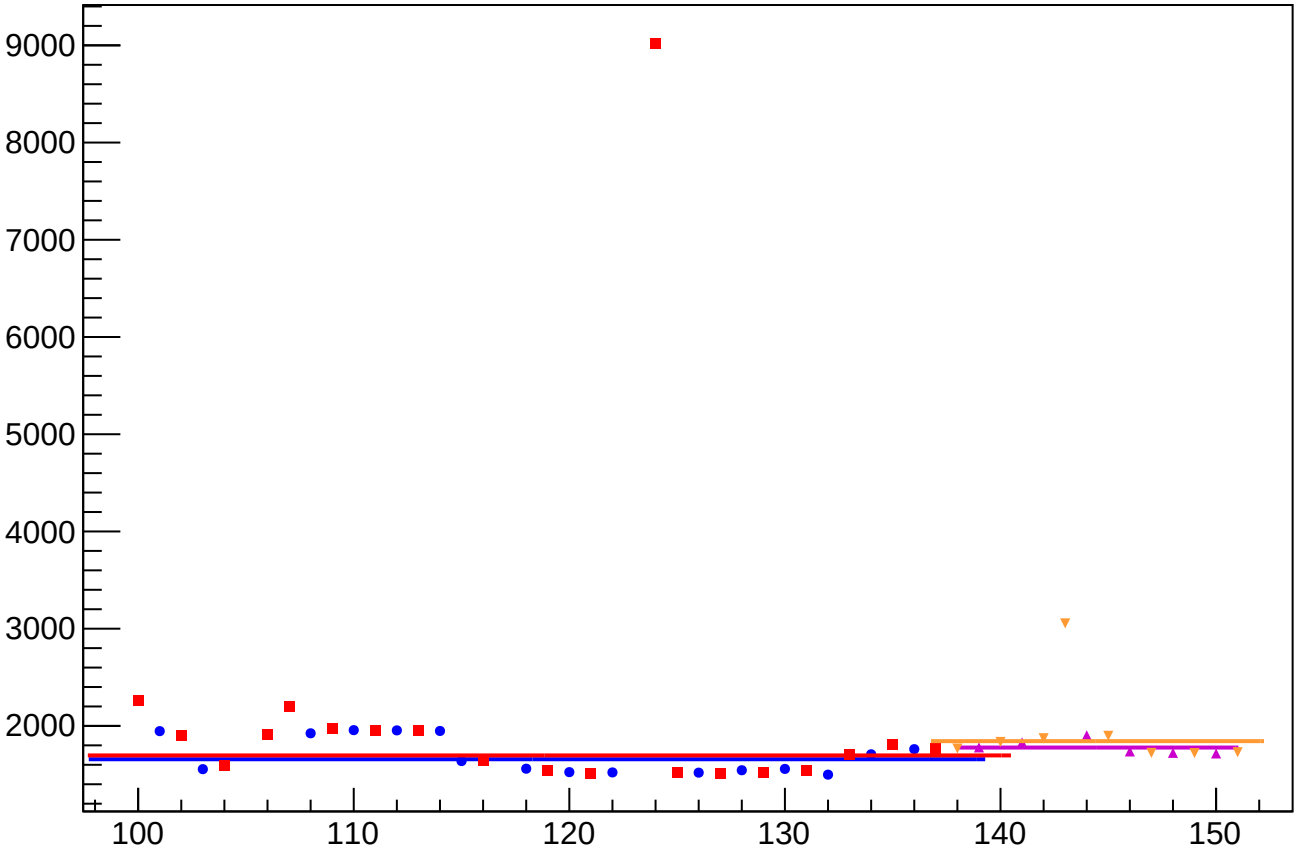
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -290.642+/-484.004 χ^2/NDF:13.8/21

Out: -34.026+/-483.746 χ^2/NDF:39.8/26

All: -162.266+/-342.151 χ^2/NDF: 53.8/48

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1843.363+/-0.530 χ^2/NDF:285290.5/7

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1777.403+/-0.548 χ^2/NDF:14221.4/5

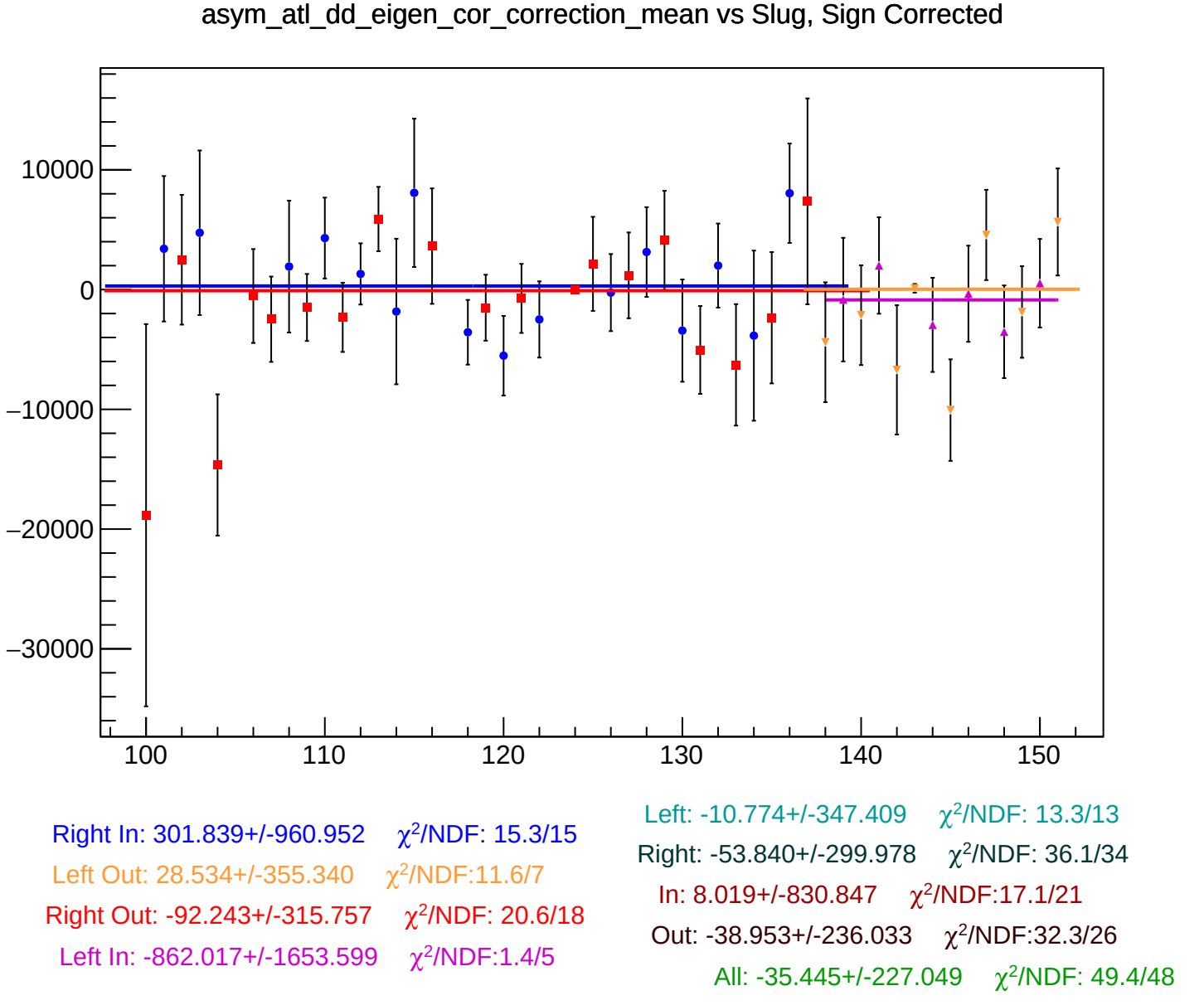
Left: 1811.497+/-0.381 χ^2/NDF: 307007.2/13

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

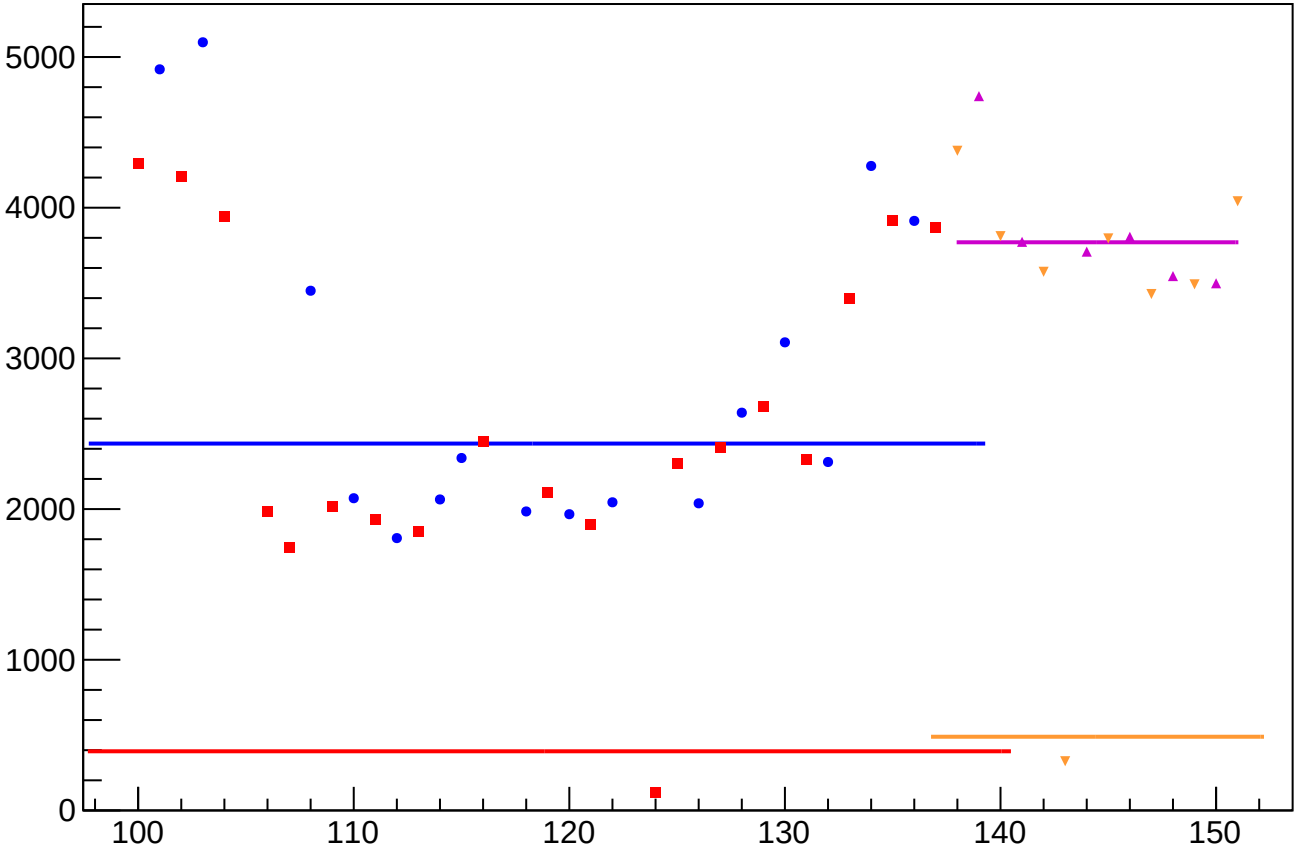
In: 1704.078+/-0.342 χ^2/NDF:187600.9/21

Out: 1757.449+/-0.341 χ^2/NDF:718277.5/26

All: 1730.842+/-0.242 χ^2/NDF: 918073.9/48


asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 28.534+/-355.340 χ²/NDF:11.6/7
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -862.017+/-1653.599 χ²/NDF:1.4/5
Left: -10.774+/-347.409 χ²/NDF: 13.3/13
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: 8.019+/-830.847 χ²/NDF:17.1/21
Out: -38.953+/-236.033 χ²/NDF:32.3/26
All: -35.445+/-227.049 χ²/NDF: 49.4/48

asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 489.185+/-0.251 χ^2/NDF:8461412.4/7

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3770.543+/-1.169 χ^2/NDF:88830.1/5

Left: 634.021+/-0.246 χ^2/NDF: 16078100.7/13

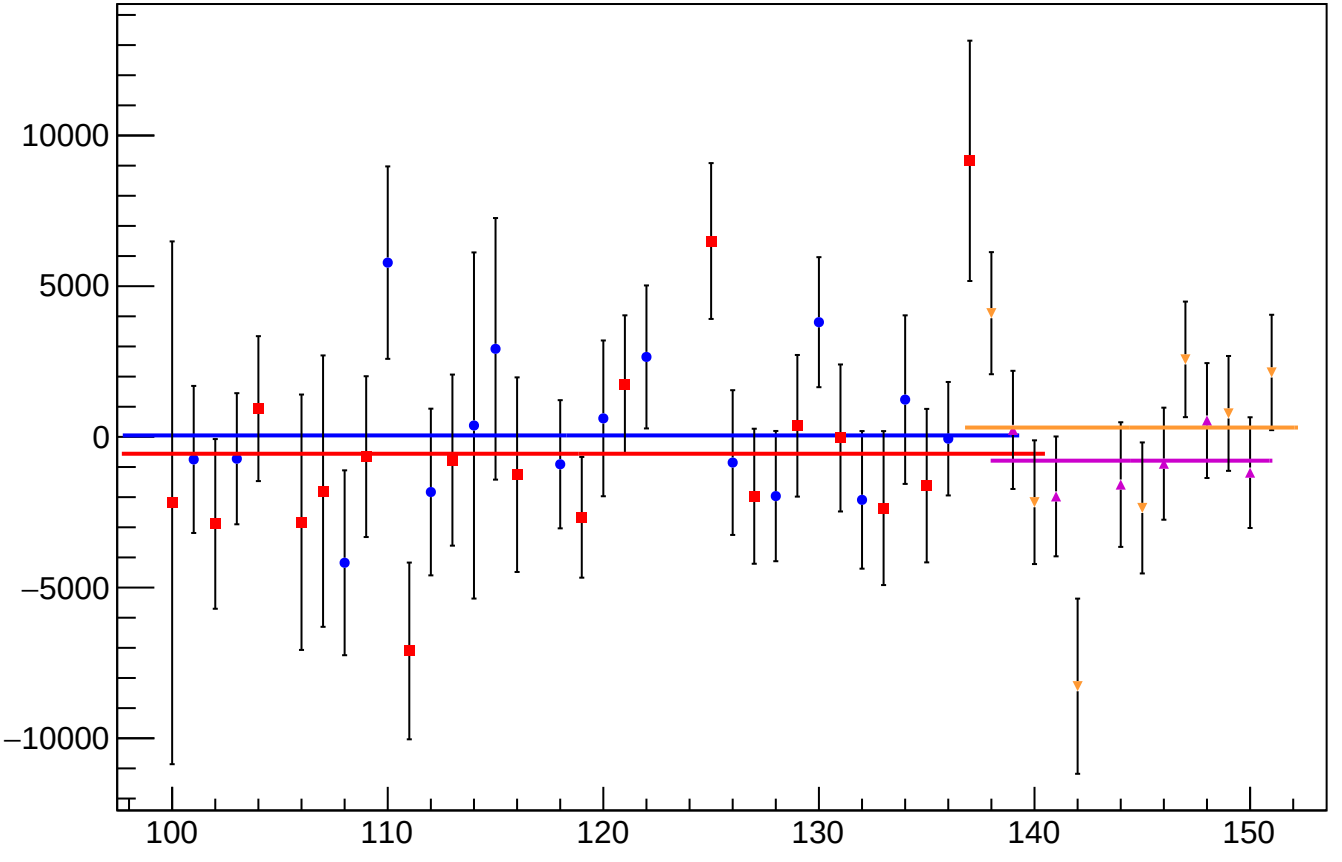
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2771.982+/-0.587 χ^2/NDF:2520477.1/21

Out: 435.252+/-0.167 χ^2/NDF:19951873.2/26

All: 609.756+/-0.161 χ^2/NDF: 37110886.5/48

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 309.802+/-782.926 χ^2/NDF:17.6/6

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -789.387+/-788.619 χ^2/NDF:1.3/5

Left: -235.811+/-555.614 χ^2/NDF: 19.8/12

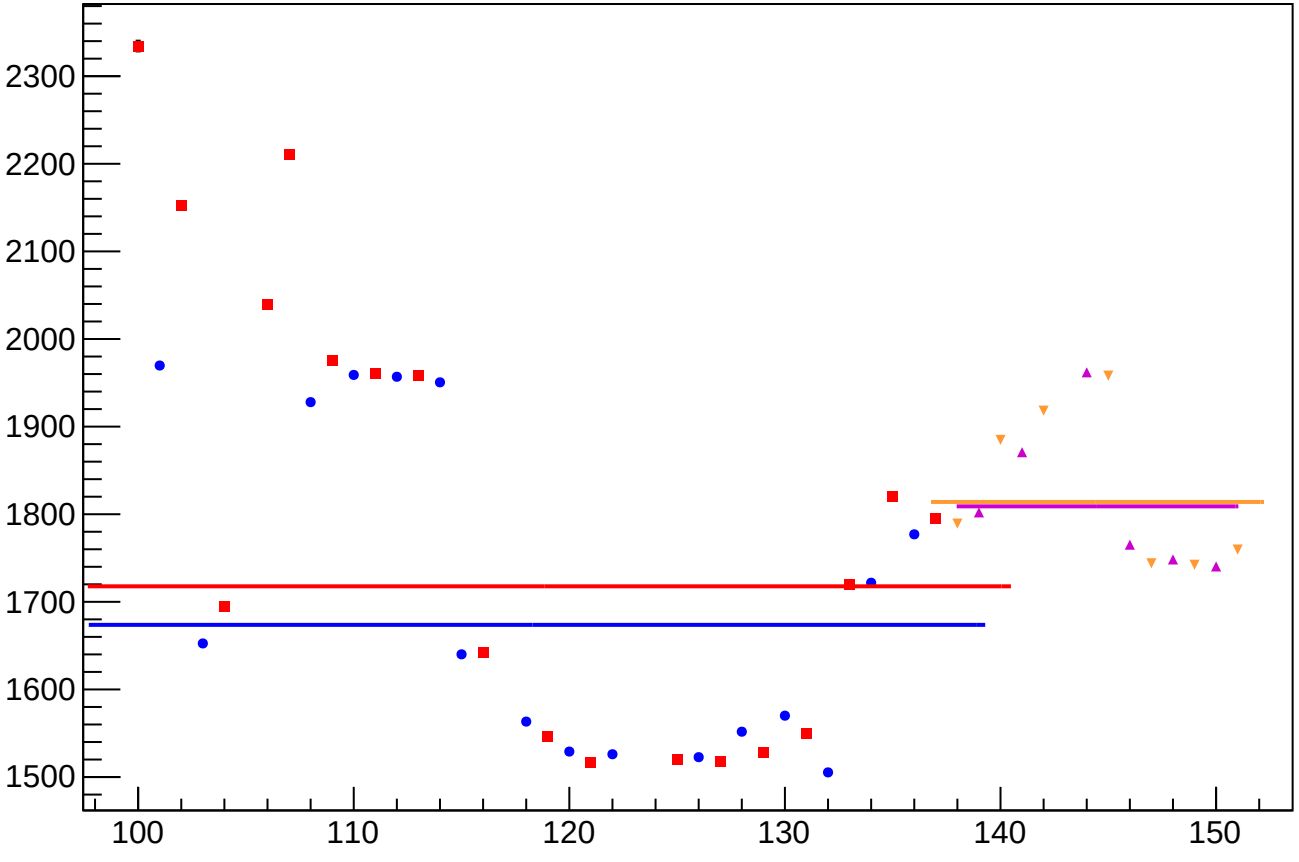
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -275.579+/-490.377 χ^2/NDF:14.8/21

Out: -207.910+/-497.955 χ^2/NDF:41.6/24

All: -242.263+/-349.397 χ^2/NDF: 56.4/46

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1814.031+/-0.554 χ^2/NDF:21162.6/6

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1808.979+/-0.558 χ^2/NDF:18821.0/5

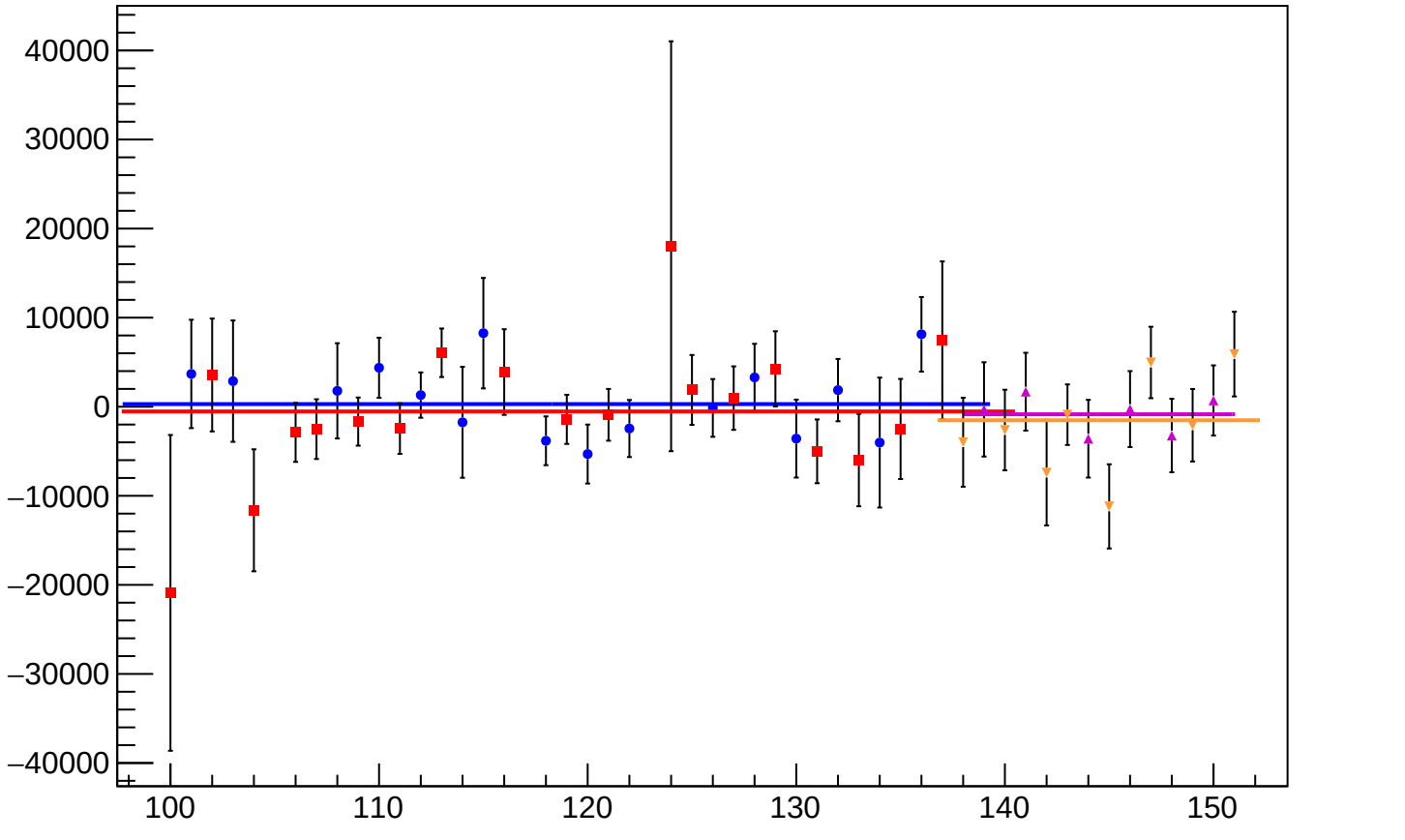
Left: 1811.523+/-0.393 χ^2/NDF: 40025.0/12

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1726.024+/-0.347 χ^2/NDF:195775.0/21

Out: 1756.568+/-0.352 χ^2/NDF:266863.0/24

All: 1741.083+/-0.247 χ^2/NDF: 466463.5/46



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -1518.691+/-1551.568 χ^2/NDF:10.6/7

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -847.432+/-1771.365 χ^2/NDF:1.3/5

Left: -1227.269+/-1167.144 χ^2/NDF: 11.9/13

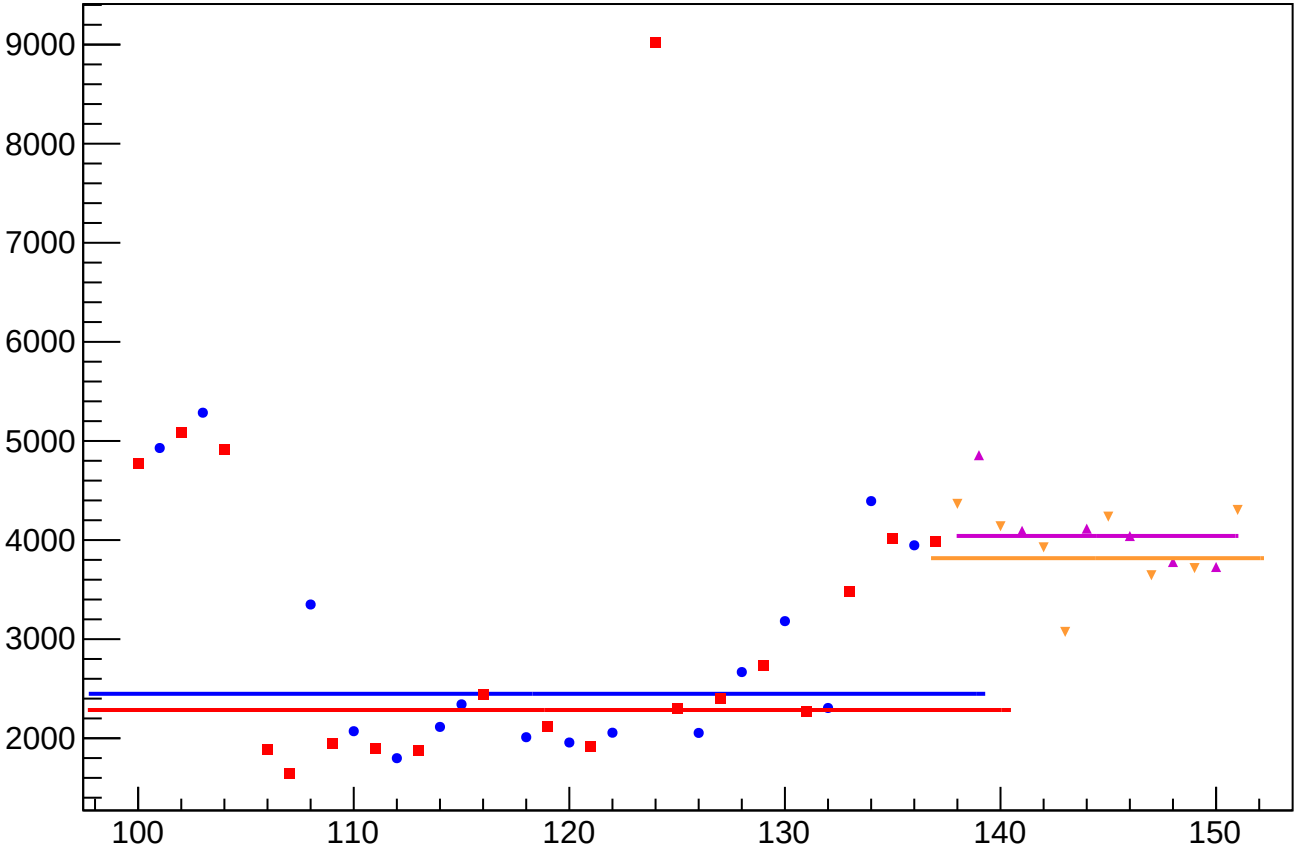
Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 34.847+/-847.192 χ^2/NDF:16.8/21

Out: -773.037+/-768.063 χ^2/NDF:29.7/26

All: -408.578+/-569.026 χ^2/NDF: 47.0/48

asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3817.230+/-1.097 χ^2/NDF:172141.6/7

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4041.572+/-1.253 χ^2/NDF:68979.9/5

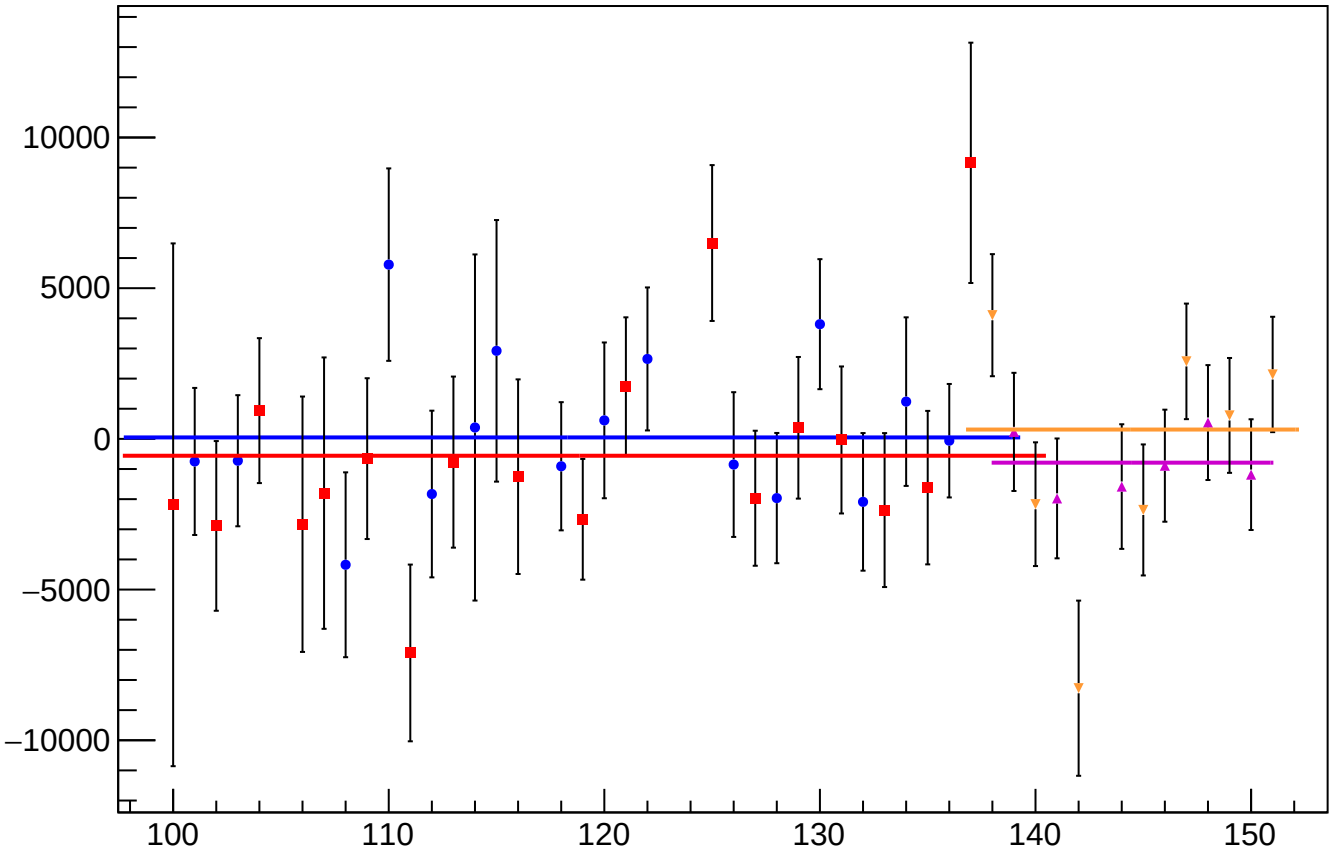
Left: 3914.627+/-0.825 χ^2/NDF: 259274.3/13

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2812.979+/-0.599 χ^2/NDF:2834037.7/21

Out: 2660.526+/-0.543 χ^2/NDF:3193317.4/26

All: 2729.302+/-0.402 χ^2/NDF: 6062902.6/48



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 309.797+/-782.927 χ^2/NDF:17.6/6

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -789.389+/-788.619 χ^2/NDF:1.3/5

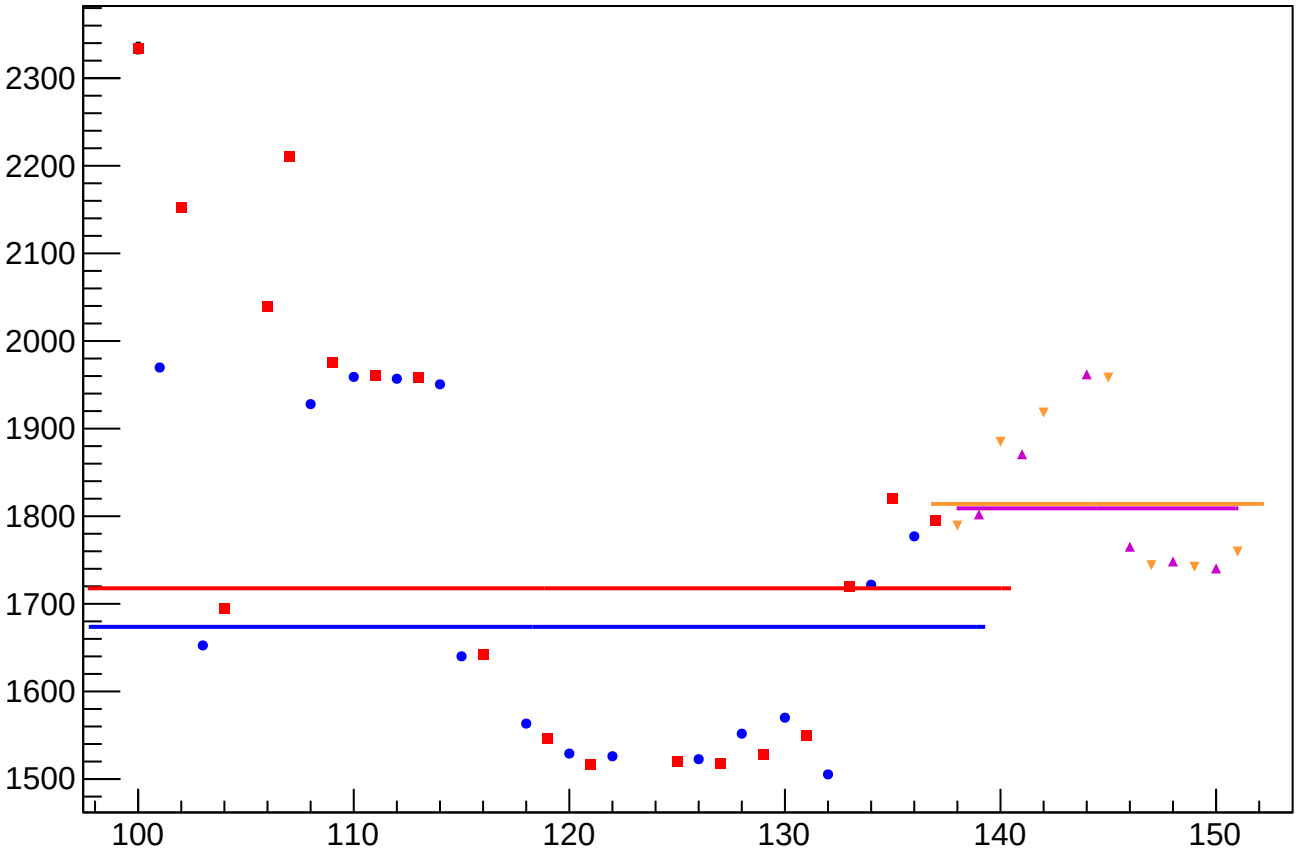
Left: -235.815+/-555.614 χ^2/NDF: 19.8/12

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -275.581+/-490.377 χ^2/NDF:14.8/21

Out: -207.914+/-497.955 χ^2/NDF:41.6/24

All: -242.266+/-349.397 χ^2/NDF: 56.4/46



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1814.031+/-0.554 χ^2/NDF:21163.1/6

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1808.980+/-0.558 χ^2/NDF:18821.2/5

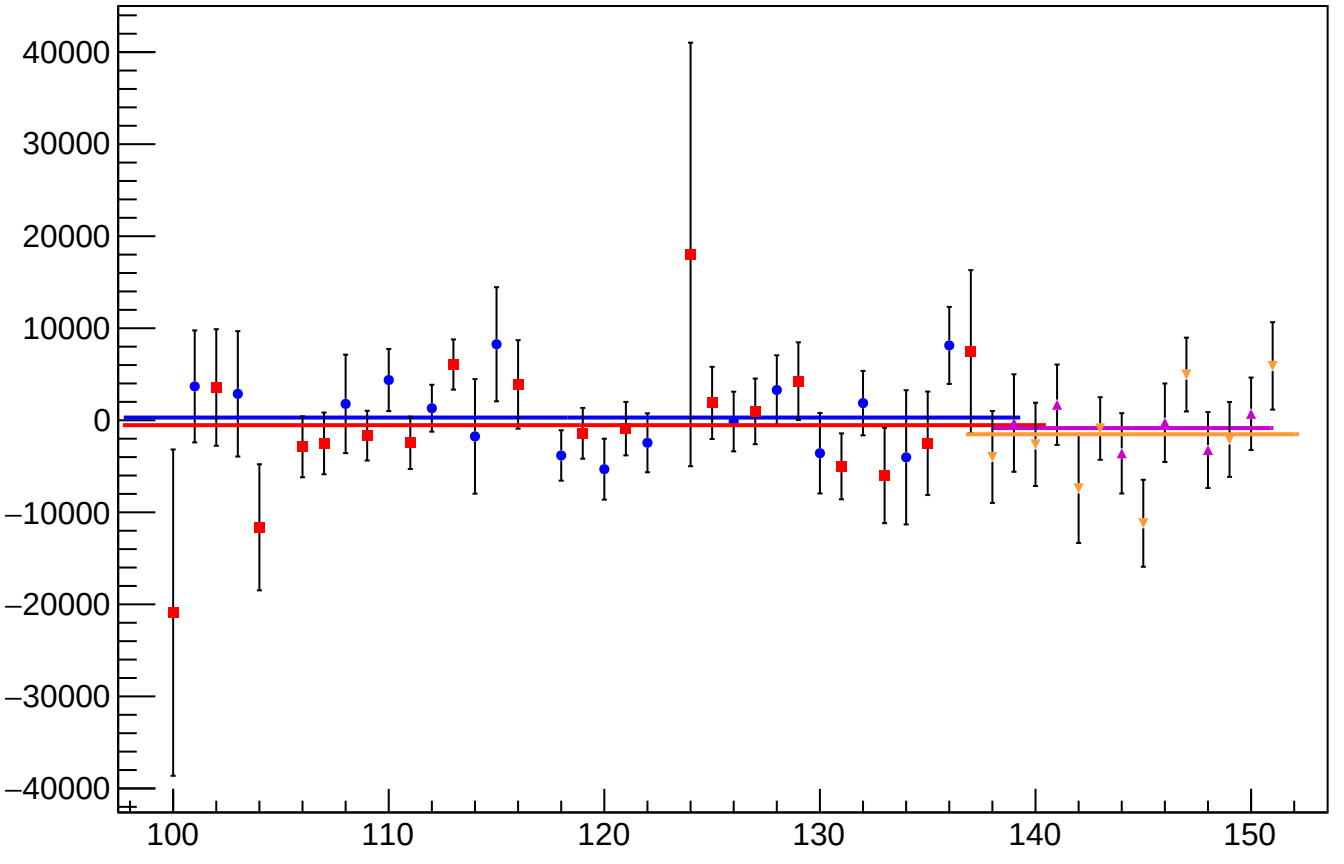
Left: 1811.524+/-0.393 χ^2/NDF: 40025.7/12

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1726.024+/-0.347 χ^2/NDF:195775.8/21

Out: 1756.568+/-0.352 χ^2/NDF:266863.1/24

All: 1741.083+/-0.247 χ^2/NDF: 466464.3/46



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -1518.687+/-1551.570 χ^2/NDF:10.6/7

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -847.433+/-1771.367 χ^2/NDF:1.3/5

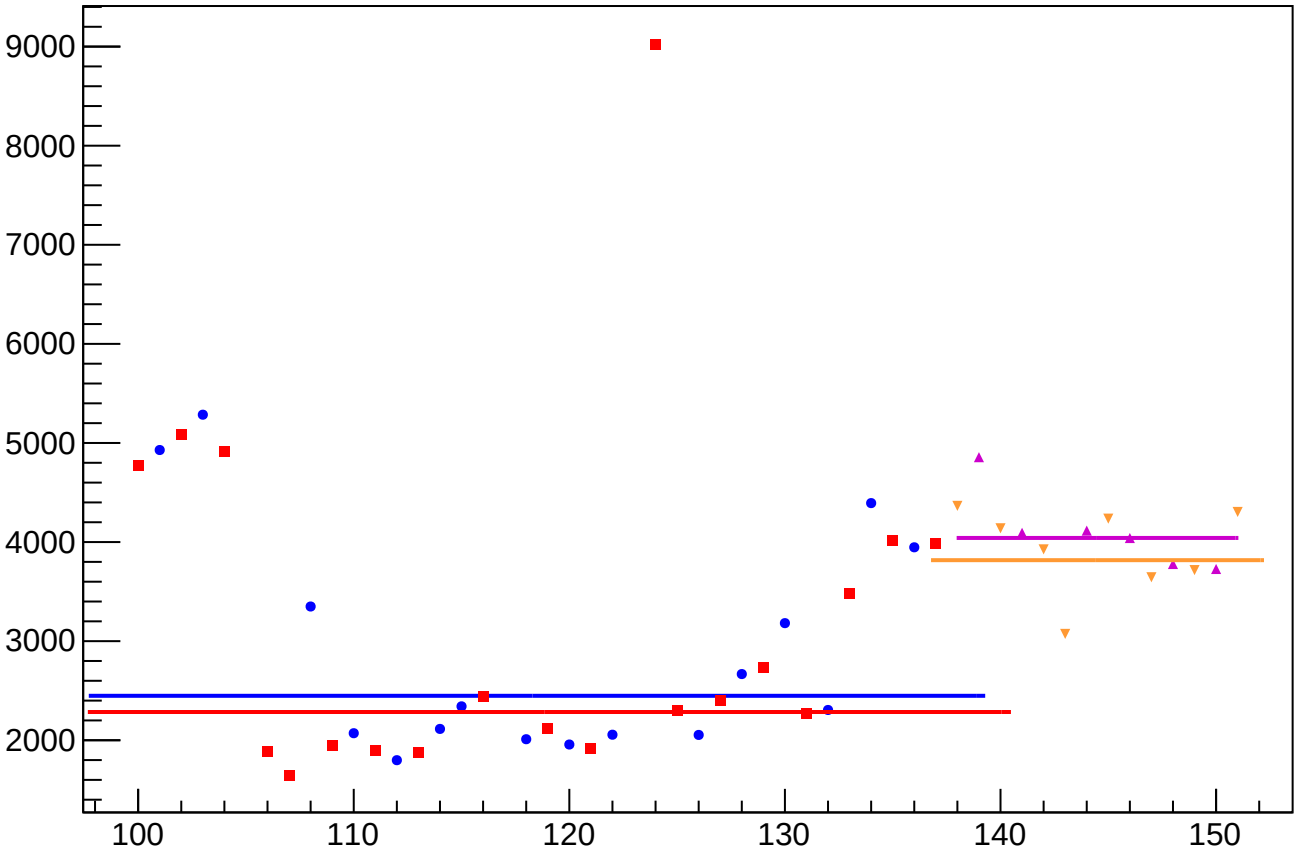
Left: -1227.267+/-1167.145 χ^2/NDF: 11.9/13

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 34.844+/-847.189 χ^2/NDF:16.8/21

Out: -773.036+/-768.061 χ^2/NDF:29.7/26

All: -408.578+/-569.024 χ^2/NDF: 47.0/48



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3817.234+/-1.097 χ^2/NDF:172144.5/7

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4041.577+/-1.253 χ^2/NDF:68982.0/5

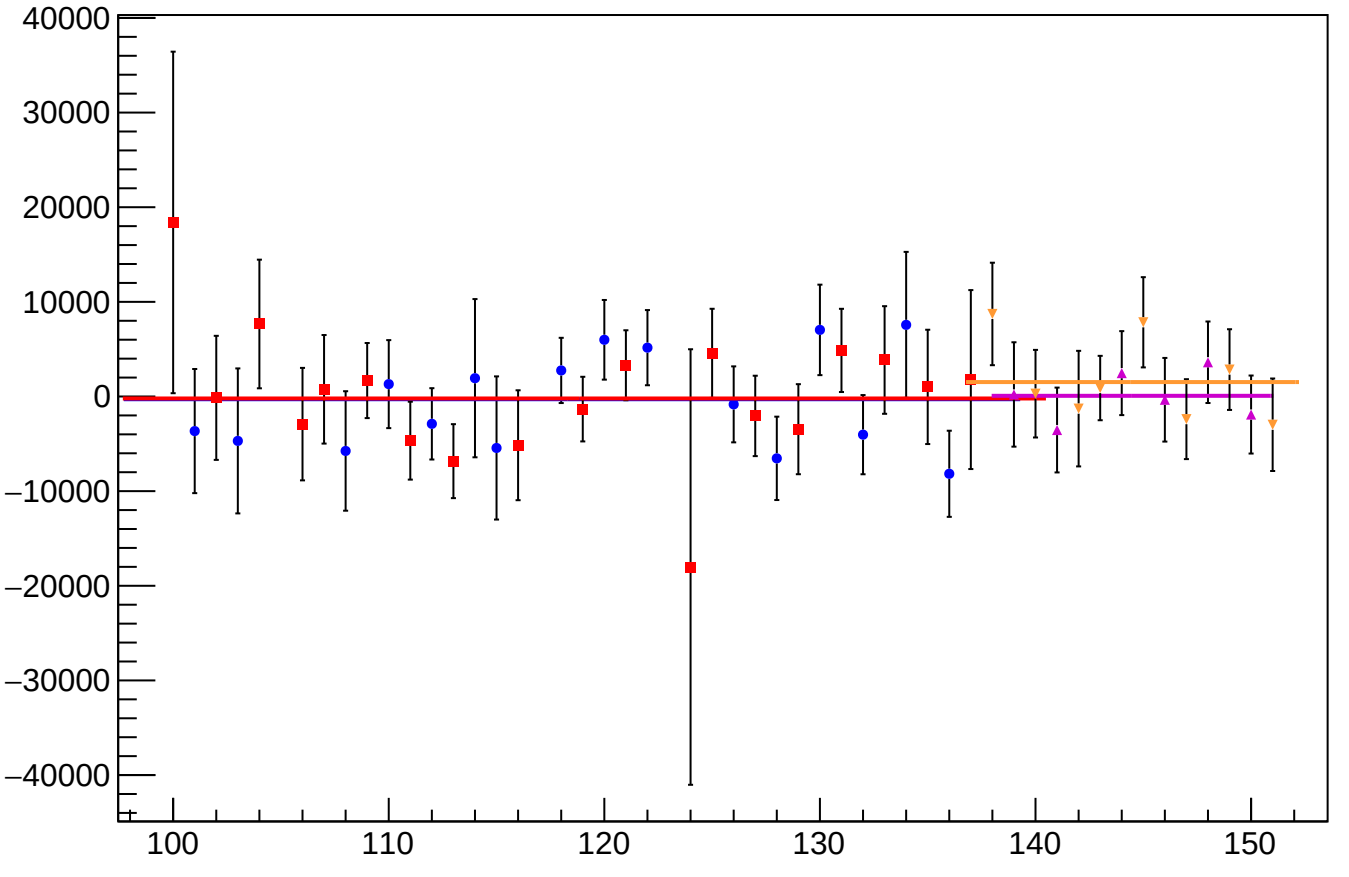
Left: 3914.631+/-0.825 χ^2/NDF: 259279.3/13

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2812.969+/-0.599 χ^2/NDF:2834076.4/21

Out: 2660.518+/-0.543 χ^2/NDF:3193352.3/26

All: 2729.293+/-0.402 χ^2/NDF: 6062975.4/48



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1525.199+/-1599.091 χ^2/NDF:5.6/7

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 72.402+/-1833.432 χ^2/NDF:1.9/5

Left: 897.524+/-1205.119 χ^2/NDF: 7.9/13

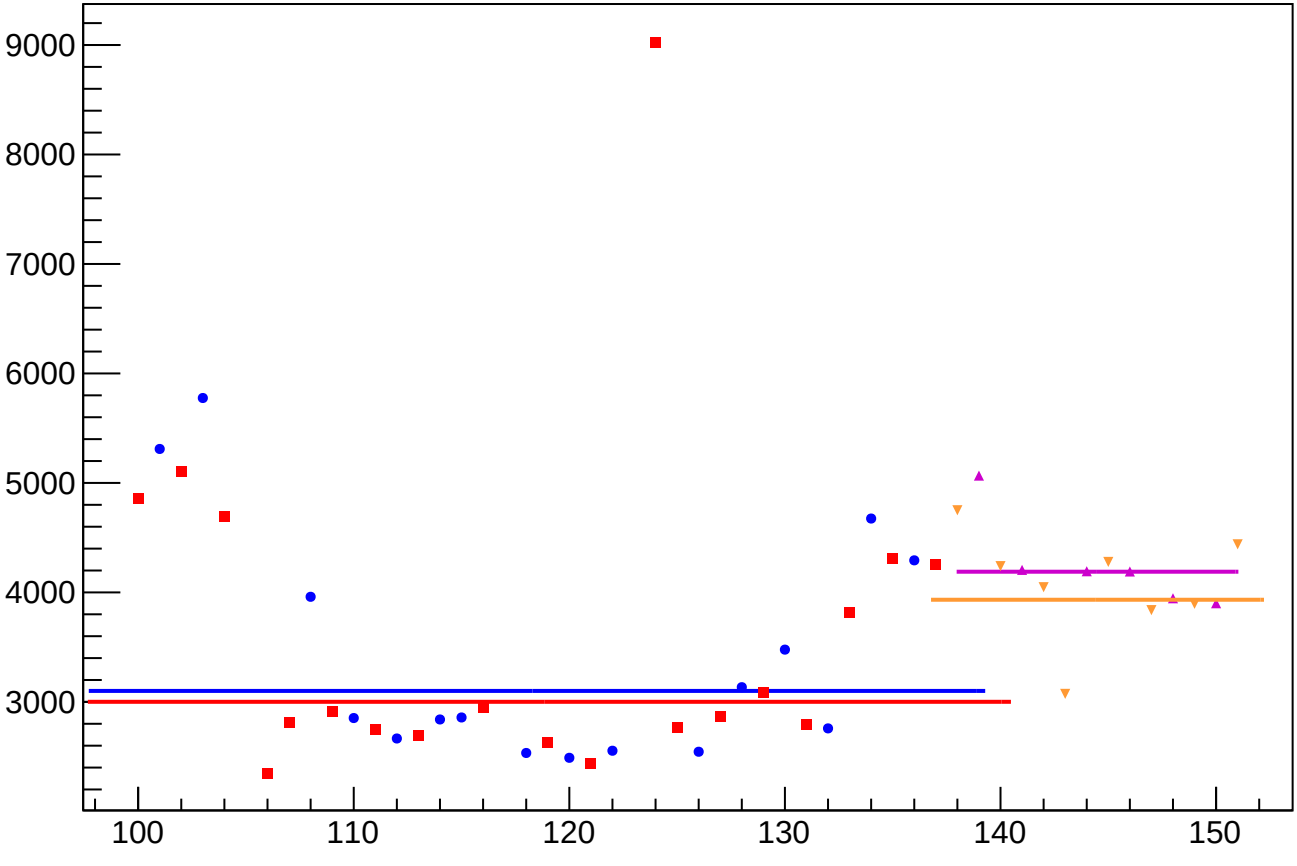
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -179.740+/-1002.498 χ^2/NDF:18.5/21

Out: 384.388+/-935.636 χ^2/NDF:19.3/26

All: 121.762+/-684.011 χ^2/NDF: 37.9/48

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 3932.949+/-1.131 χ^2/NDF:216009.3/7

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4189.000+/-1.296 χ^2/NDF:66817.1/5

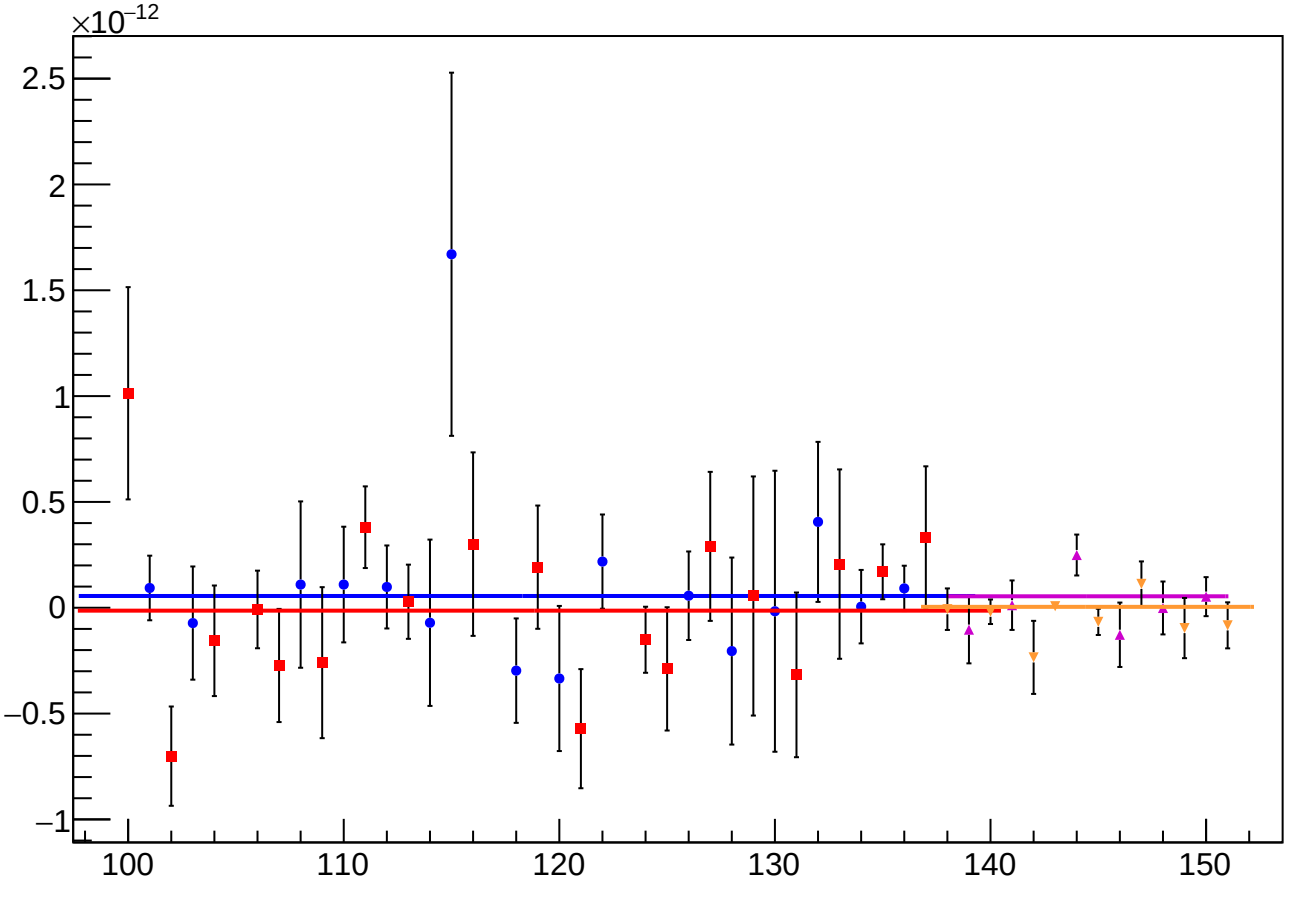
Left: 4043.575+/-0.852 χ^2/NDF: 304981.2/13

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3425.679+/-0.709 χ^2/NDF:1525004.5/21

Out: 3314.206+/-0.656 χ^2/NDF:1473741.7/26

All: 3365.604+/-0.481 χ^2/NDF: 3012073.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/5

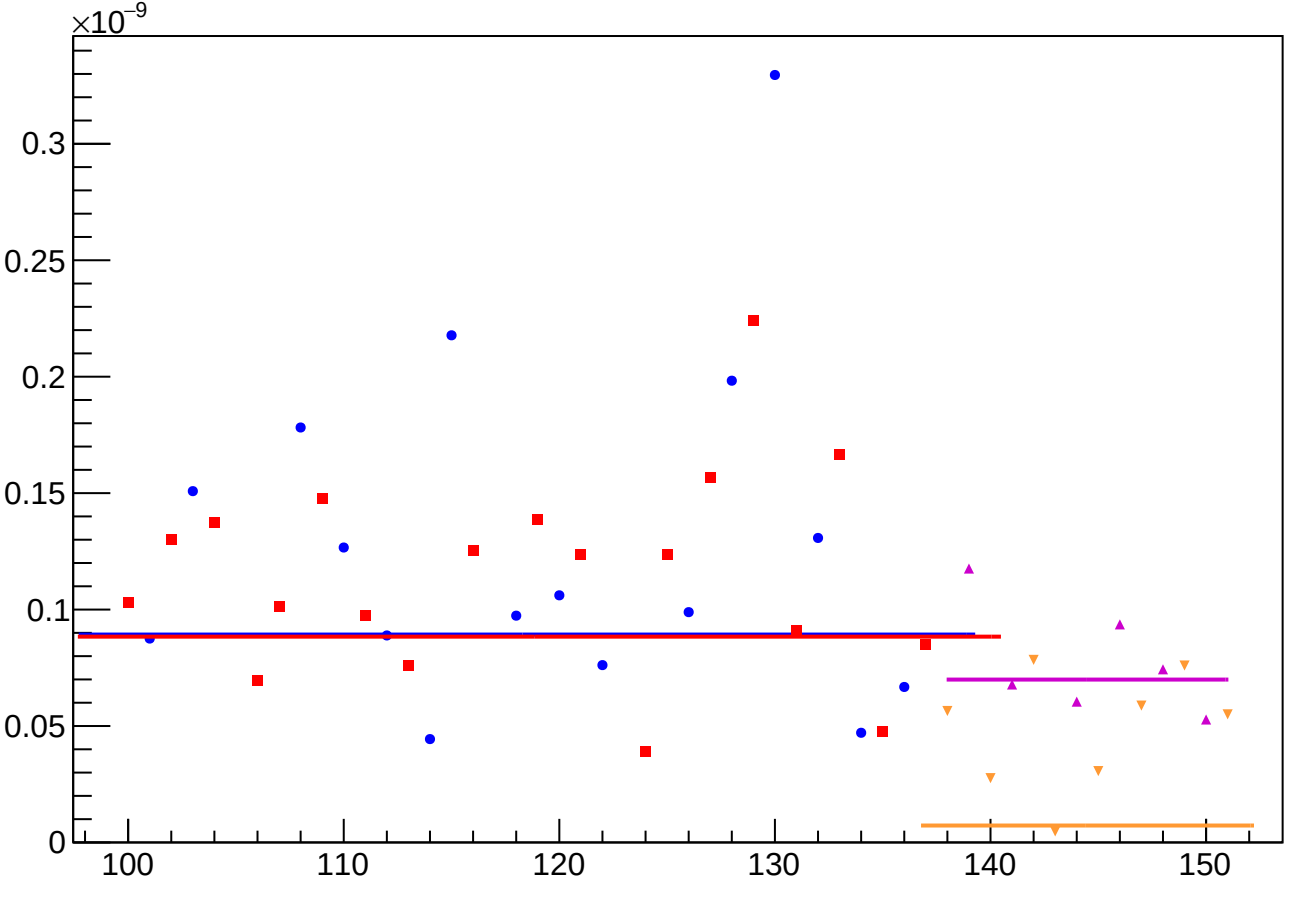
Left: 0.000+/-0.000 χ^2/NDF: 13.6/13

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:16.1/21

Out: 0.000+/-0.000 χ^2/NDF:35.8/26

All: 0.000+/-0.000 χ^2/NDF: 53.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2855065.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:319353.5/5

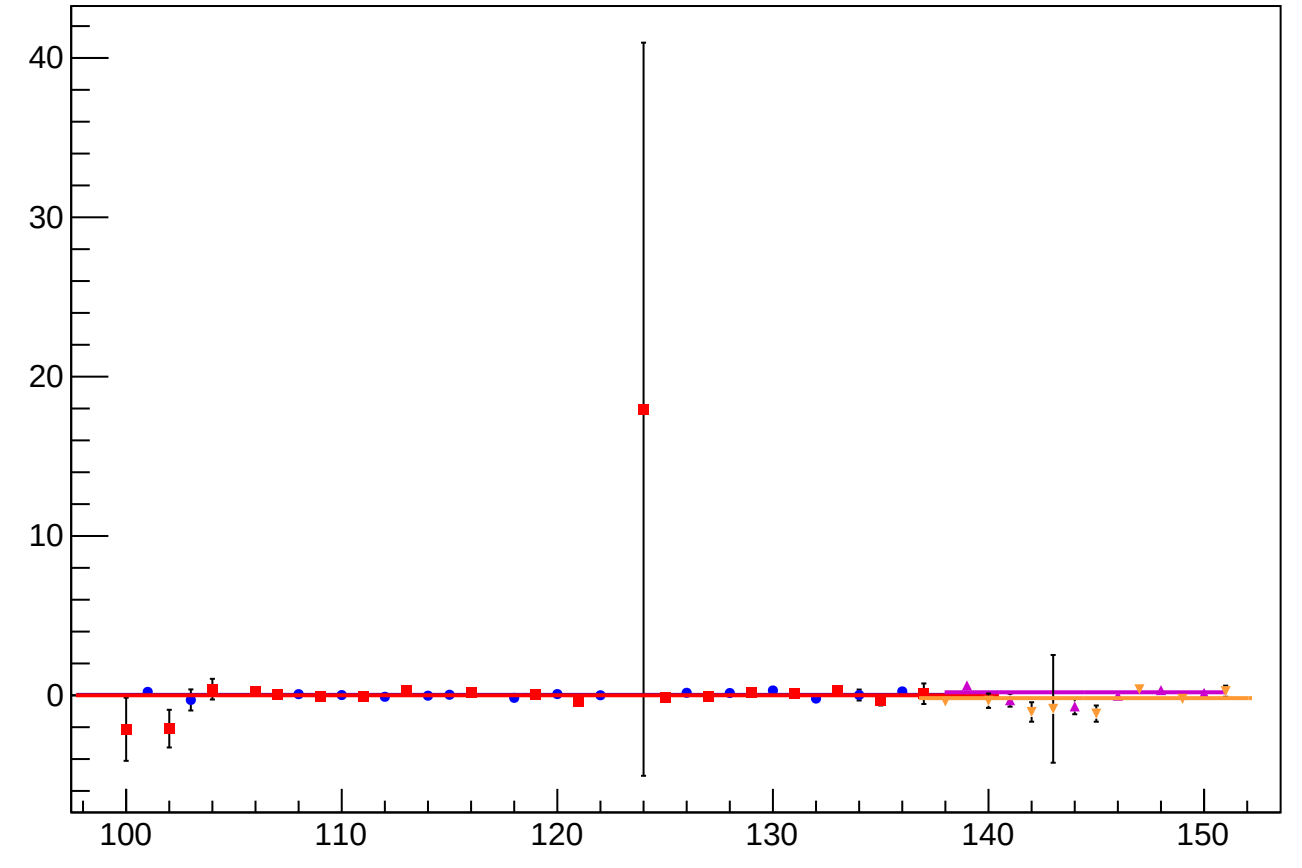
Left: 0.000+/-0.000 χ^2/NDF: 6554909.1/13

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1406353.6/21

Out: 0.000+/-0.000 χ^2/NDF:8000104.8/26

All: 0.000+/-0.000 χ^2/NDF: 16200281.6/48



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.191+/-0.128 χ^2/NDF:8.9/5

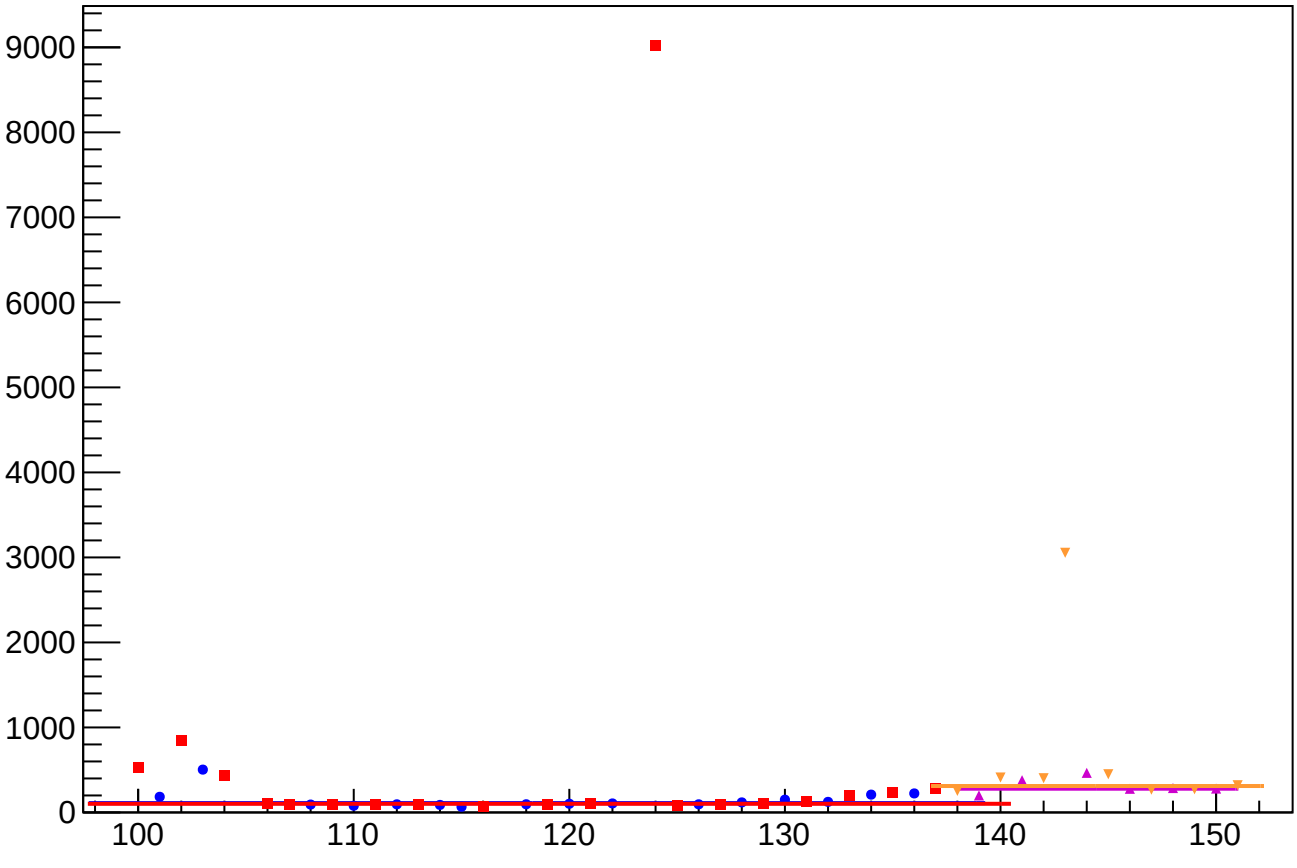
Left: 0.018+/-0.093 χ^2/NDF: 24.2/13

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.043 χ^2/NDF:19.2/21

Out: -0.013+/-0.041 χ^2/NDF:35.3/26

All: 0.016+/-0.030 χ^2/NDF: 55.6/48



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 310.948+/-0.096 χ^2/NDF:1760765.5/7

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 279.363+/-0.090 χ^2/NDF:640985.9/5

Left: 294.158+/-0.066 χ^2/NDF: 2458960.9/13

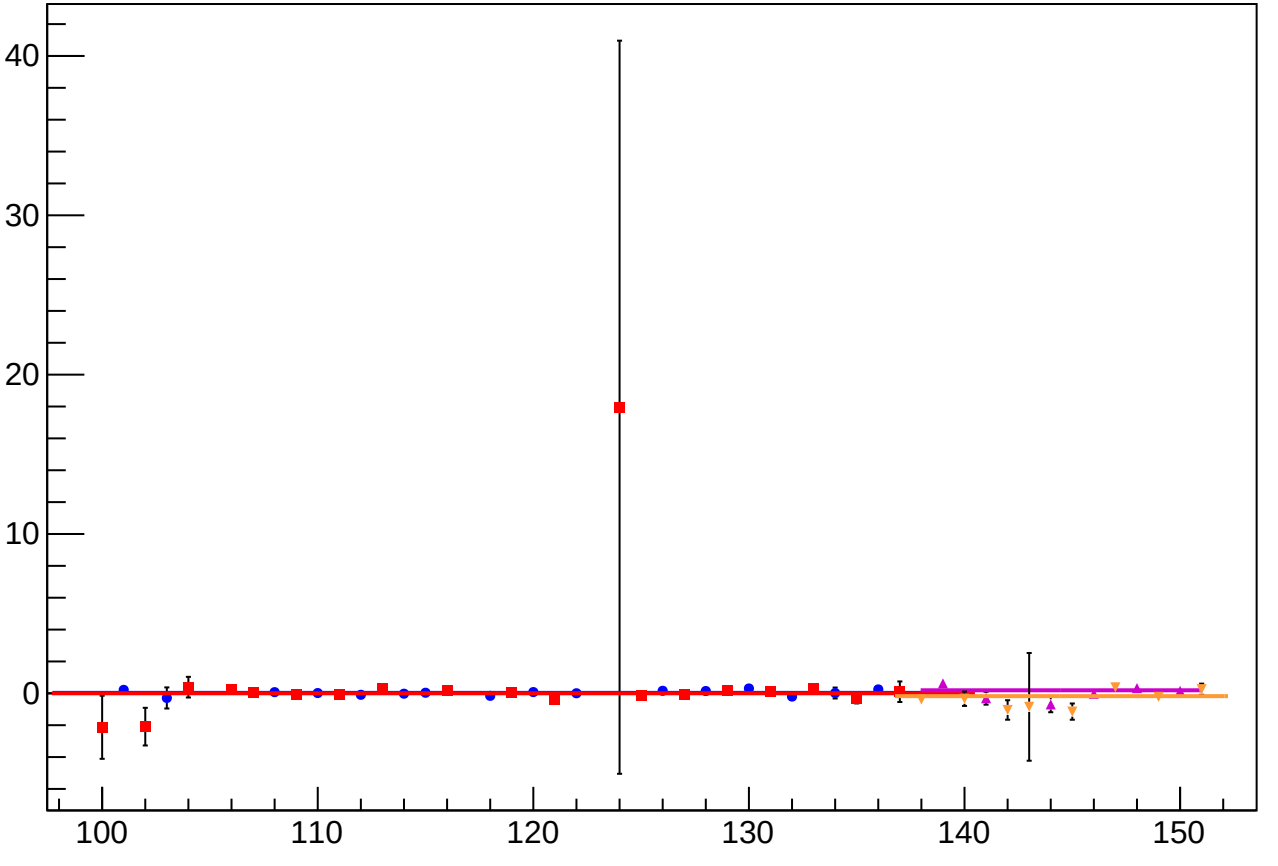
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 128.889+/-0.030 χ^2/NDF:5691595.8/21

Out: 121.112+/-0.029 χ^2/NDF:8632401.5/26

All: 124.874+/-0.021 χ^2/NDF: 14358259.0/48

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.191+/-0.128 χ^2/NDF:8.9/5

Left: 0.018+/-0.093 χ^2/NDF: 24.2/13

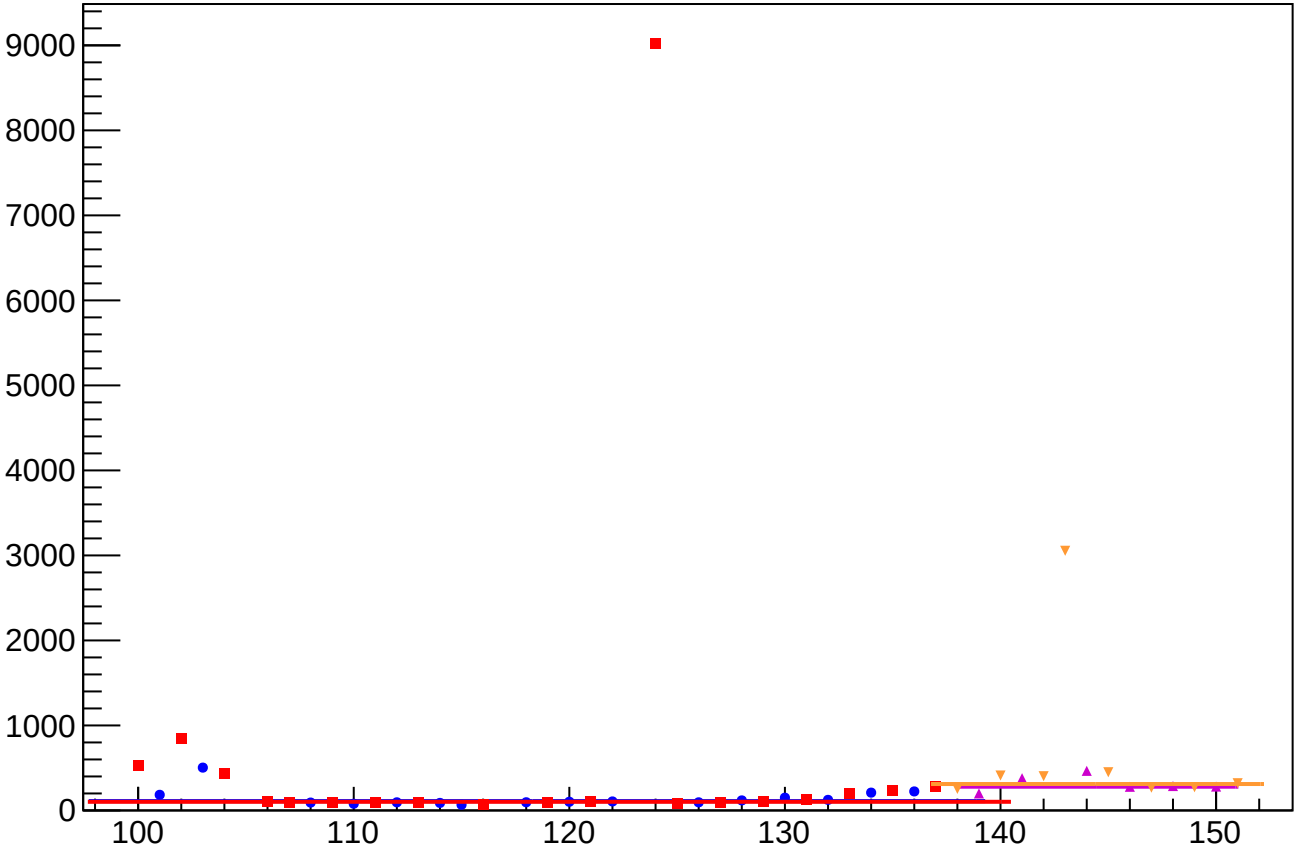
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.043 χ^2/NDF:19.2/21

Out: -0.013+/-0.041 χ^2/NDF:35.3/26

All: 0.016+/-0.030 χ^2/NDF: 55.6/48

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: 310.948+/-0.096 χ^2/NDF:1760765.5/7

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 279.363+/-0.090 χ^2/NDF:640985.9/5

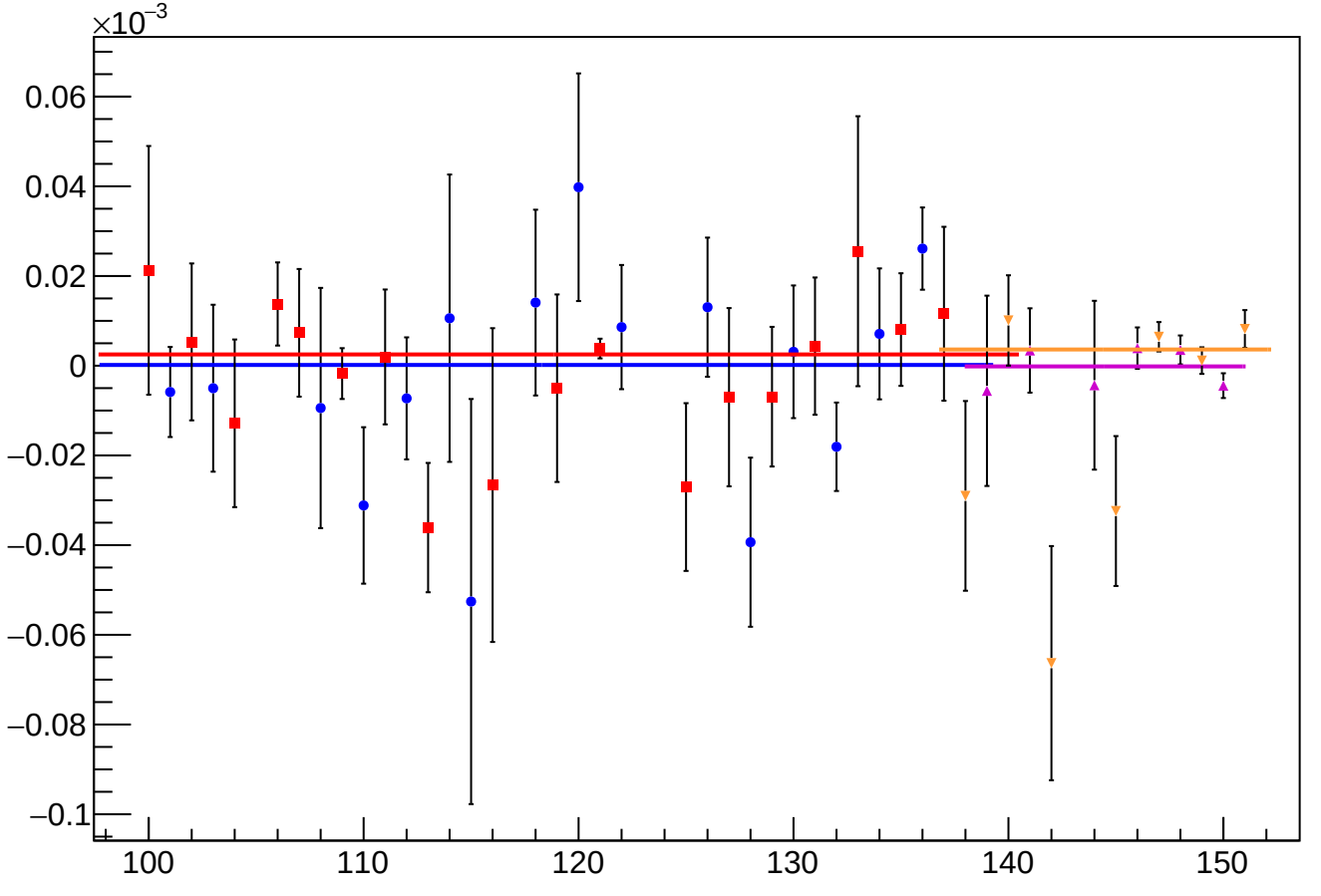
Left: 294.158+/-0.066 χ^2/NDF: 2458960.9/13

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 128.889+/-0.030 χ^2/NDF:5691595.8/21

Out: 121.112+/-0.029 χ^2/NDF:8632401.5/26

All: 124.874+/-0.021 χ^2/NDF: 14358259.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:4.8/5

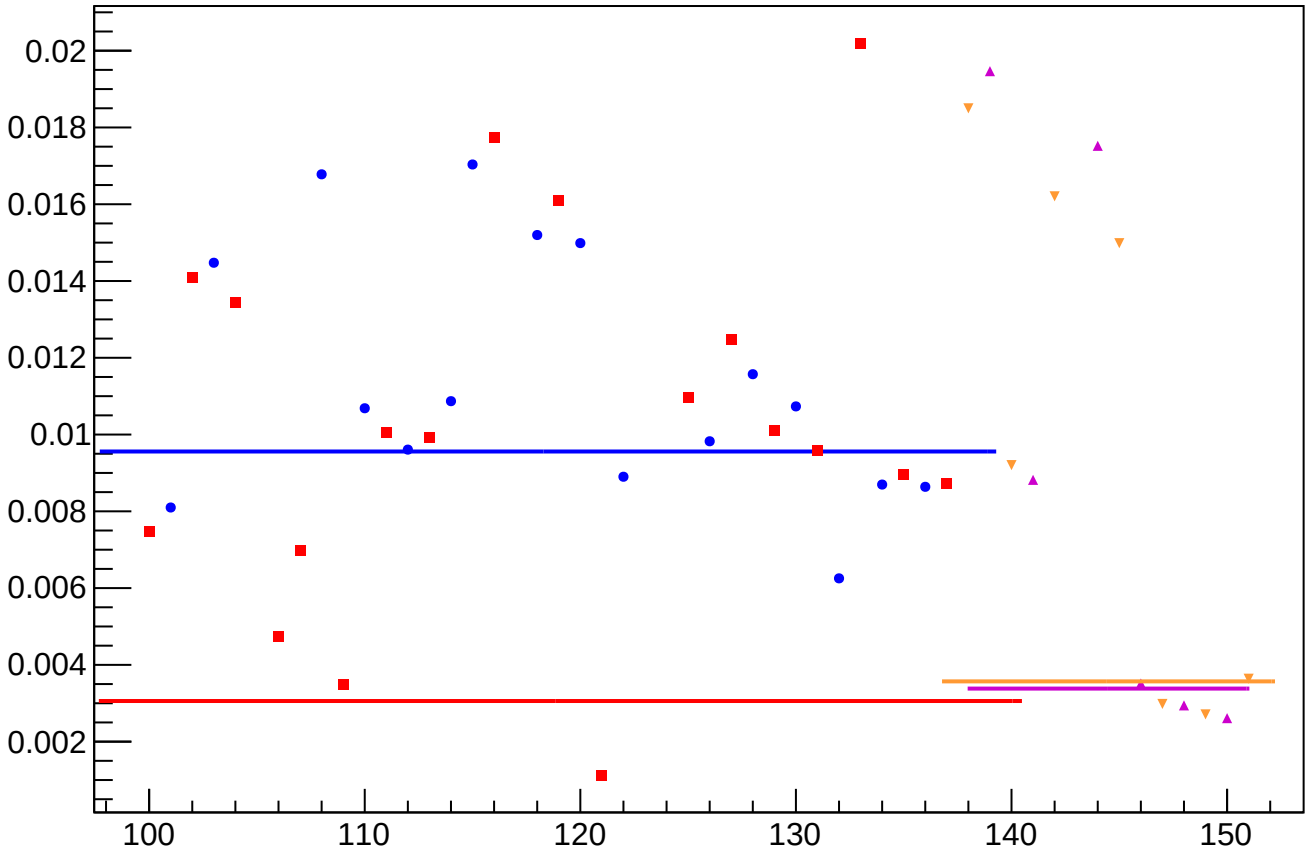
Left: 0.000+/-0.000 χ^2/NDF: 24.0/12

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:30.4/21

Out: 0.000+/-0.000 χ^2/NDF:33.2/24

All: 0.000+/-0.000 χ^2/NDF: 65.8/46



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:3257913.9/6

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.003+/-0.000 χ^2/NDF:3141111.8/5

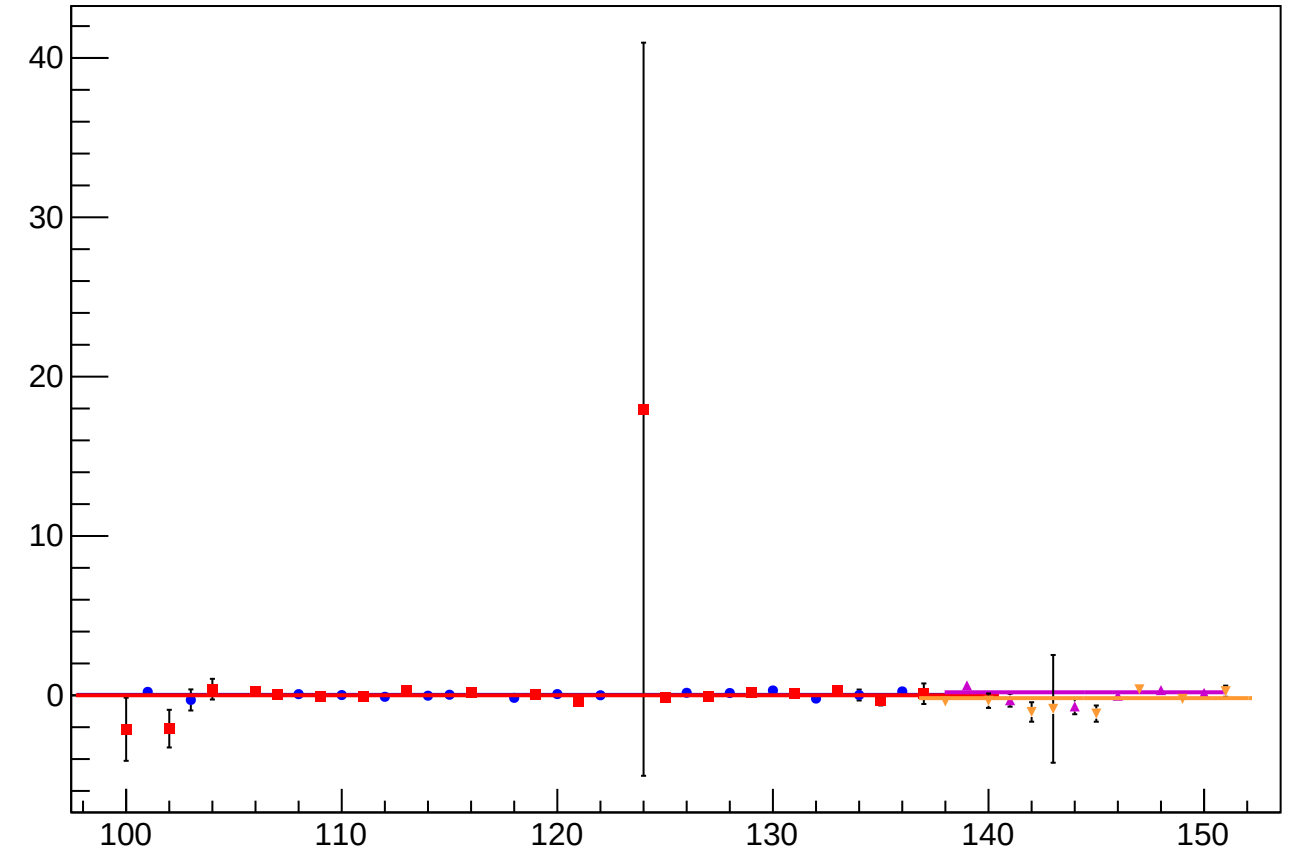
Left: 0.003+/-0.000 χ^2/NDF: 6409092.2/12

Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:8465117.1/21

Out: 0.003+/-0.000 χ^2/NDF:11455966.2/24

All: 0.004+/-0.000 χ^2/NDF: 20674077.5/46



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.191+/-0.128 χ^2/NDF:8.9/5

Left: 0.018+/-0.093 χ^2/NDF: 24.2/13

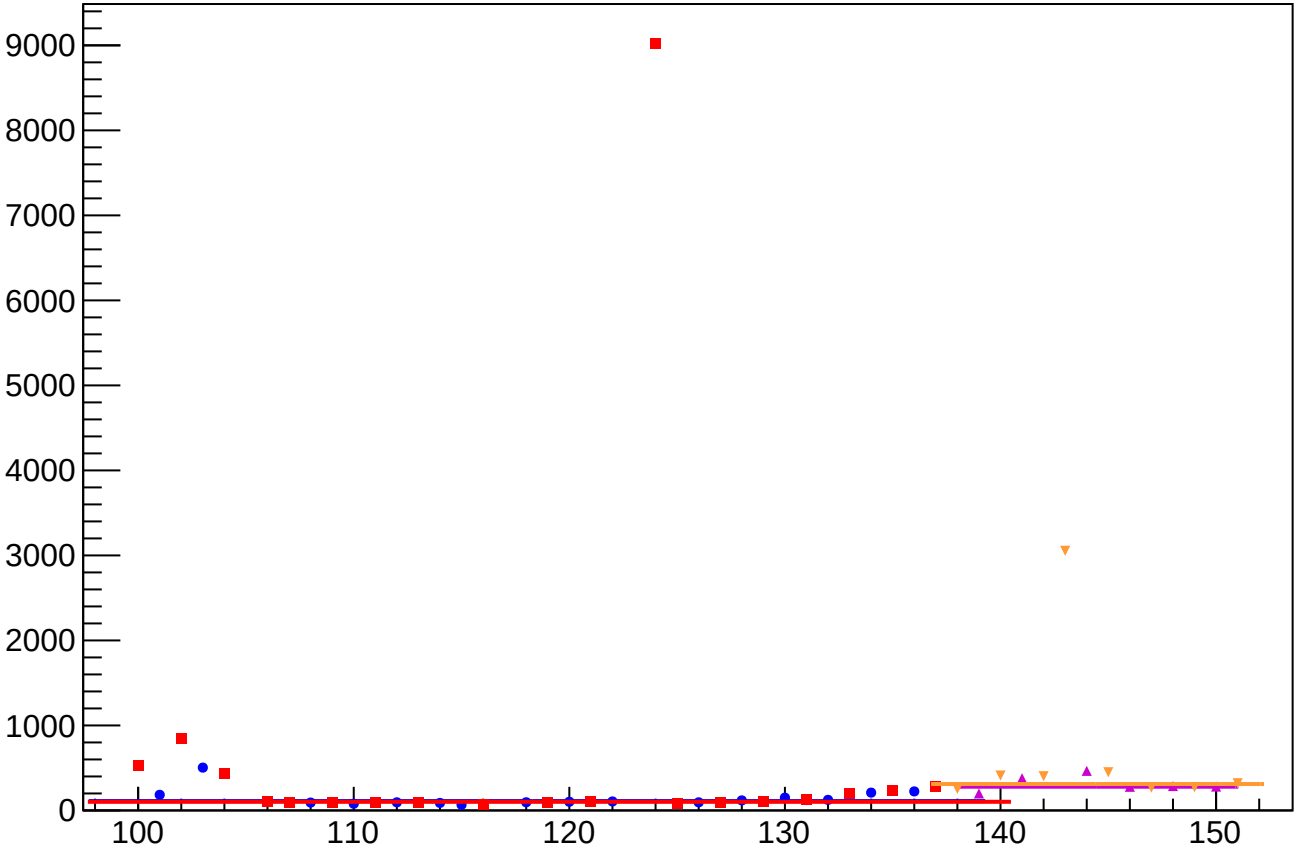
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.043 χ^2/NDF:19.2/21

Out: -0.013+/-0.041 χ^2/NDF:35.3/26

All: 0.016+/-0.030 χ^2/NDF: 55.6/48

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 310.950+/-0.096 χ^2/NDF:1760791.7/7

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 279.366+/-0.090 χ^2/NDF:640958.4/5

Left: 294.161+/-0.066 χ^2/NDF: 2458950.9/13

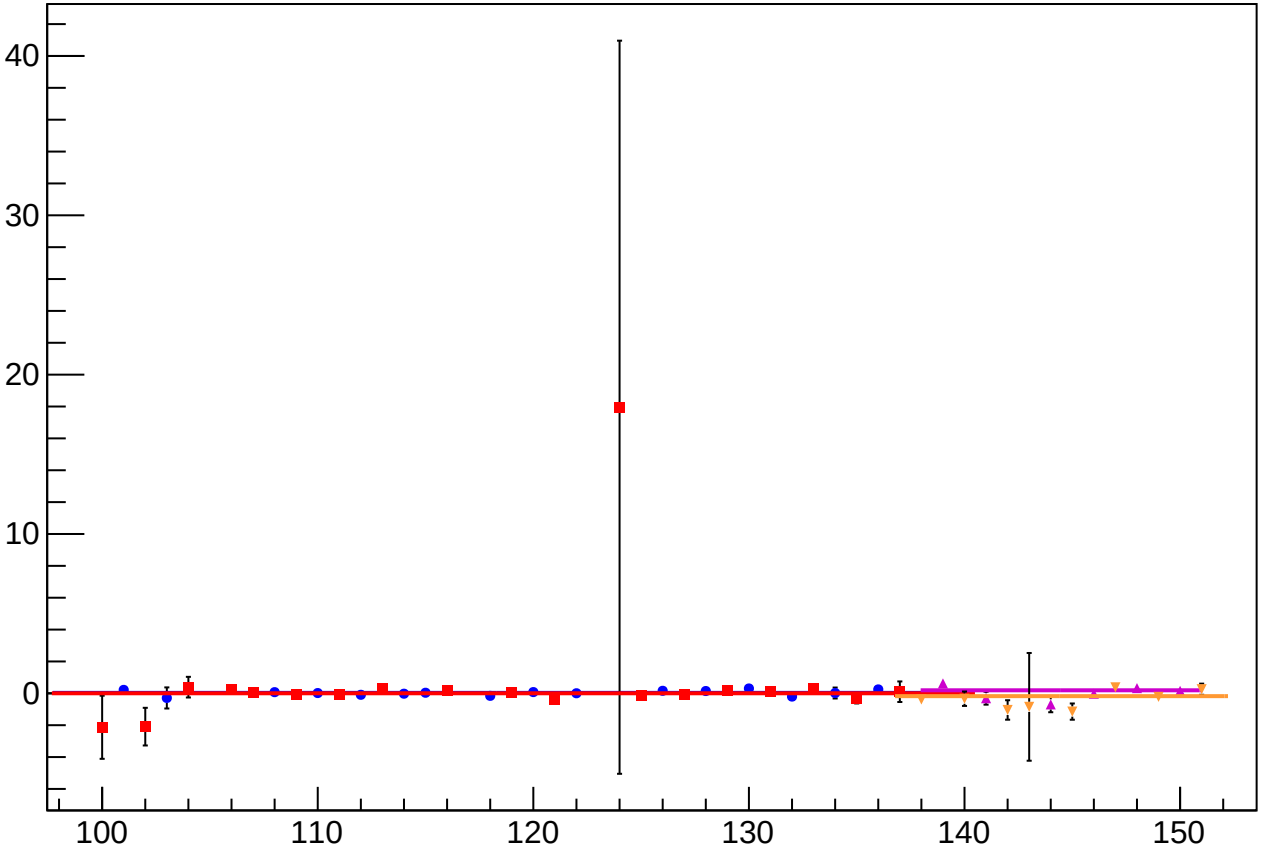
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 128.890+/-0.030 χ^2/NDF:5691535.5/21

Out: 121.113+/-0.029 χ^2/NDF:8632308.9/26

All: 124.875+/-0.021 χ^2/NDF: 14358102.1/48

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: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.191+/-0.128 χ^2/NDF:8.9/5

Left: 0.018+/-0.093 χ^2/NDF: 24.2/13

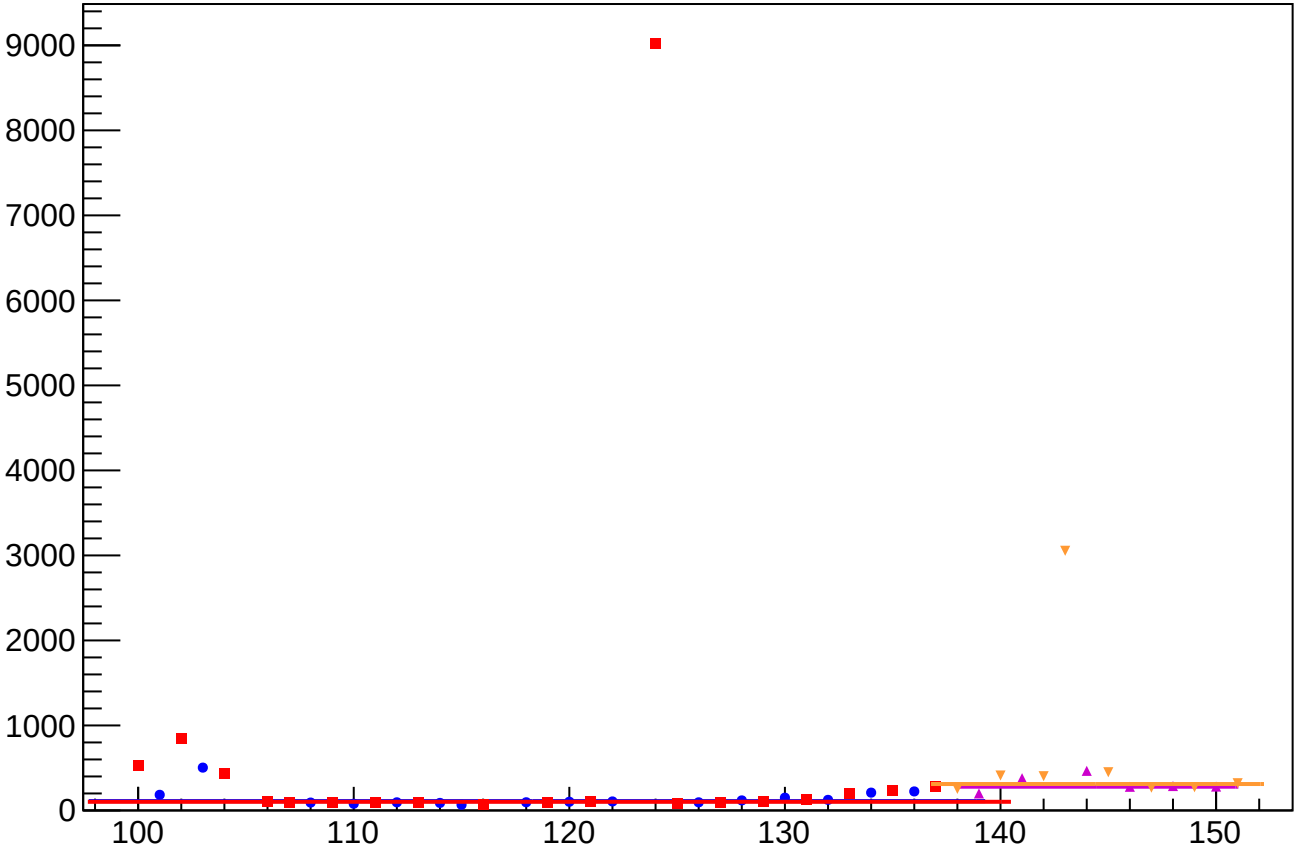
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.043 χ^2/NDF:19.2/21

Out: -0.013+/-0.041 χ^2/NDF:35.3/26

All: 0.016+/-0.030 χ^2/NDF: 55.6/48

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: 310.950+/-0.096 χ^2/NDF:1760791.7/7

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 279.366+/-0.090 χ^2/NDF:640958.4/5

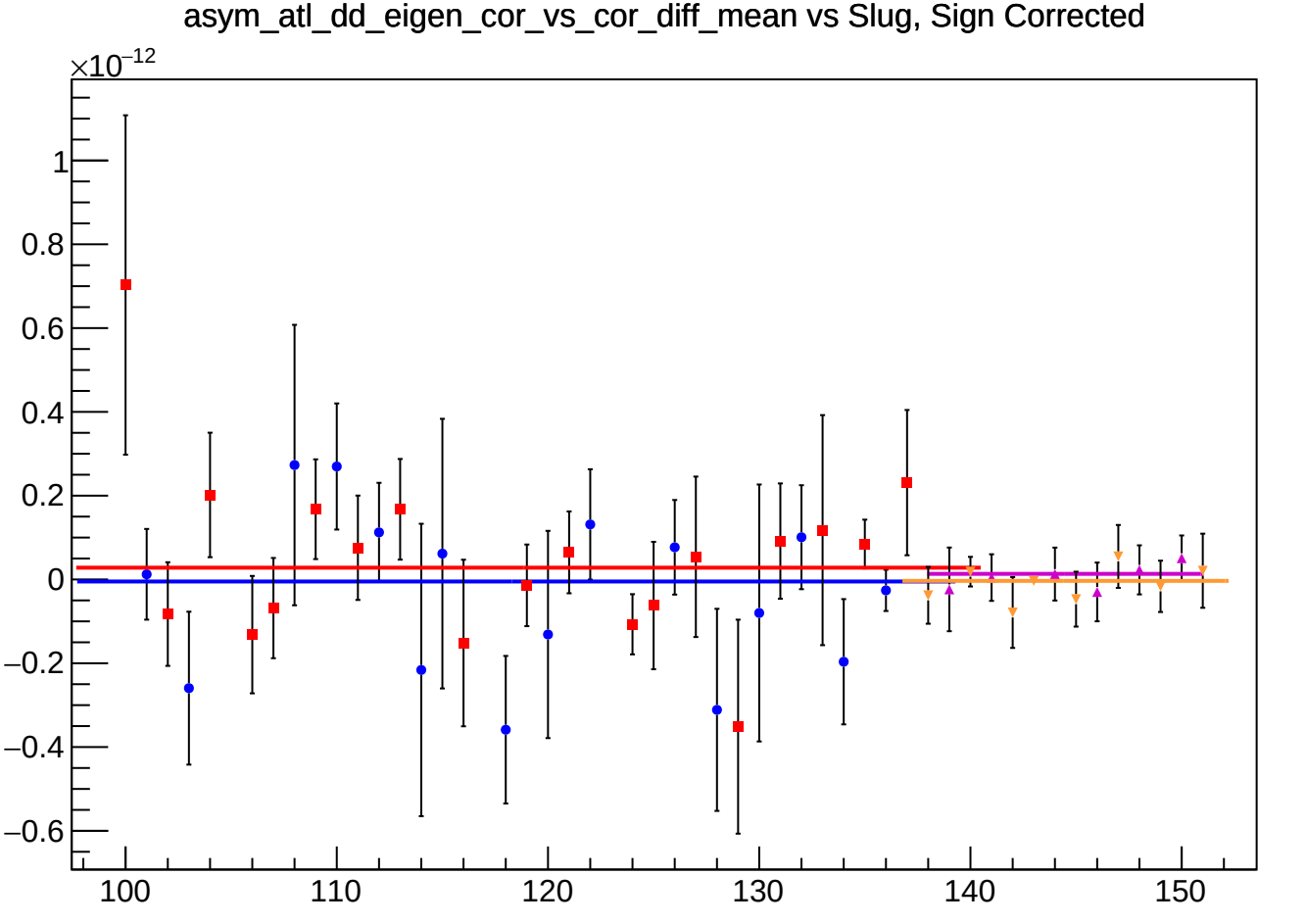
Left: 294.161+/-0.066 χ^2/NDF: 2458950.9/13

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 128.890+/-0.030 χ^2/NDF:5691535.5/21

Out: 121.113+/-0.029 χ^2/NDF:8632308.9/26

All: 124.875+/-0.021 χ^2/NDF: 14358102.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/5

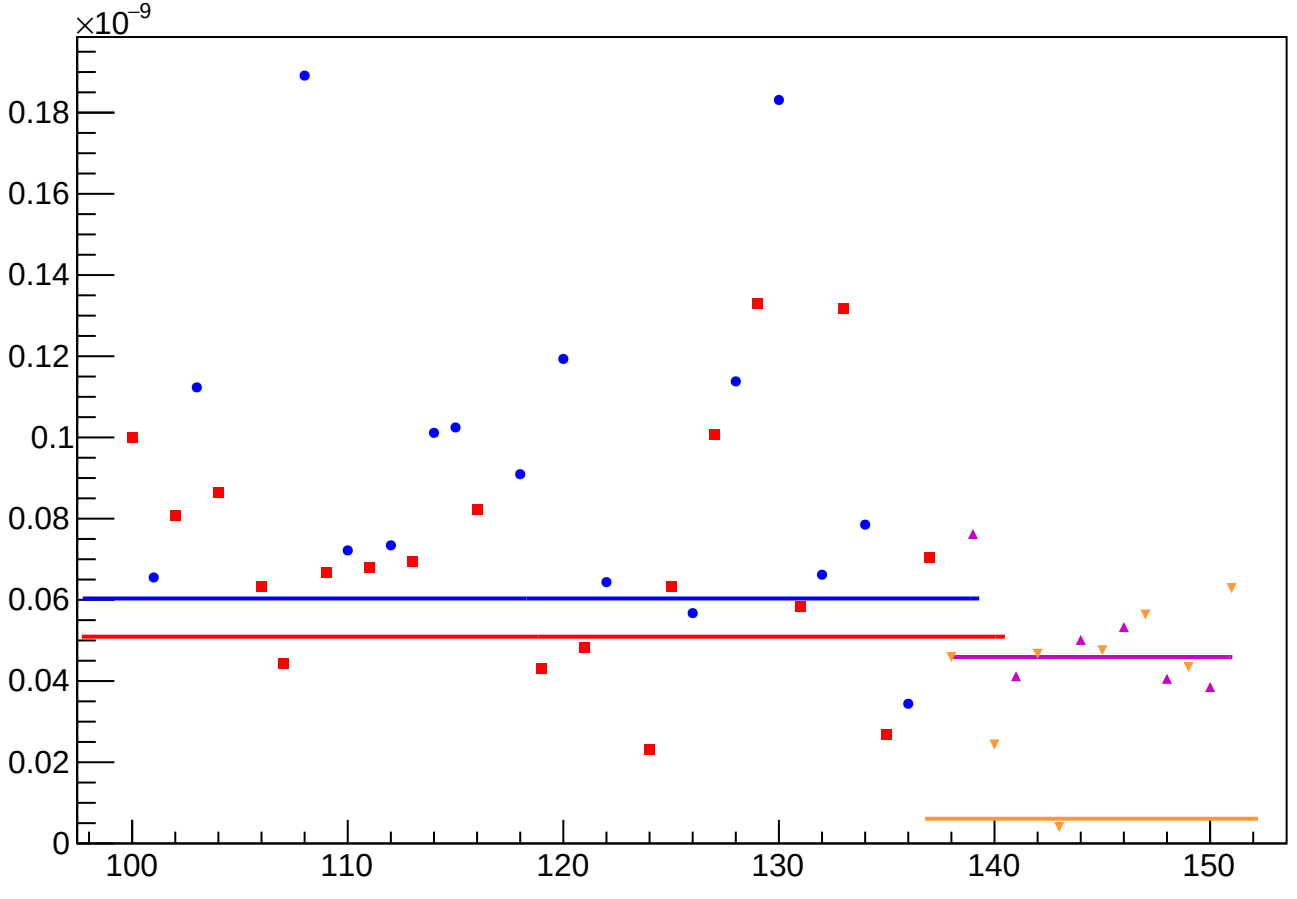
Left: -0.000+/-0.000 χ^2/NDF: 4.1/13

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:18.7/21

Out: -0.000+/-0.000 χ^2/NDF:23.5/26

All: -0.000+/-0.000 χ^2/NDF: 42.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5219565.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:283583.9/5

Left: 0.000+/-0.000 χ^2/NDF: 10090008.1/13

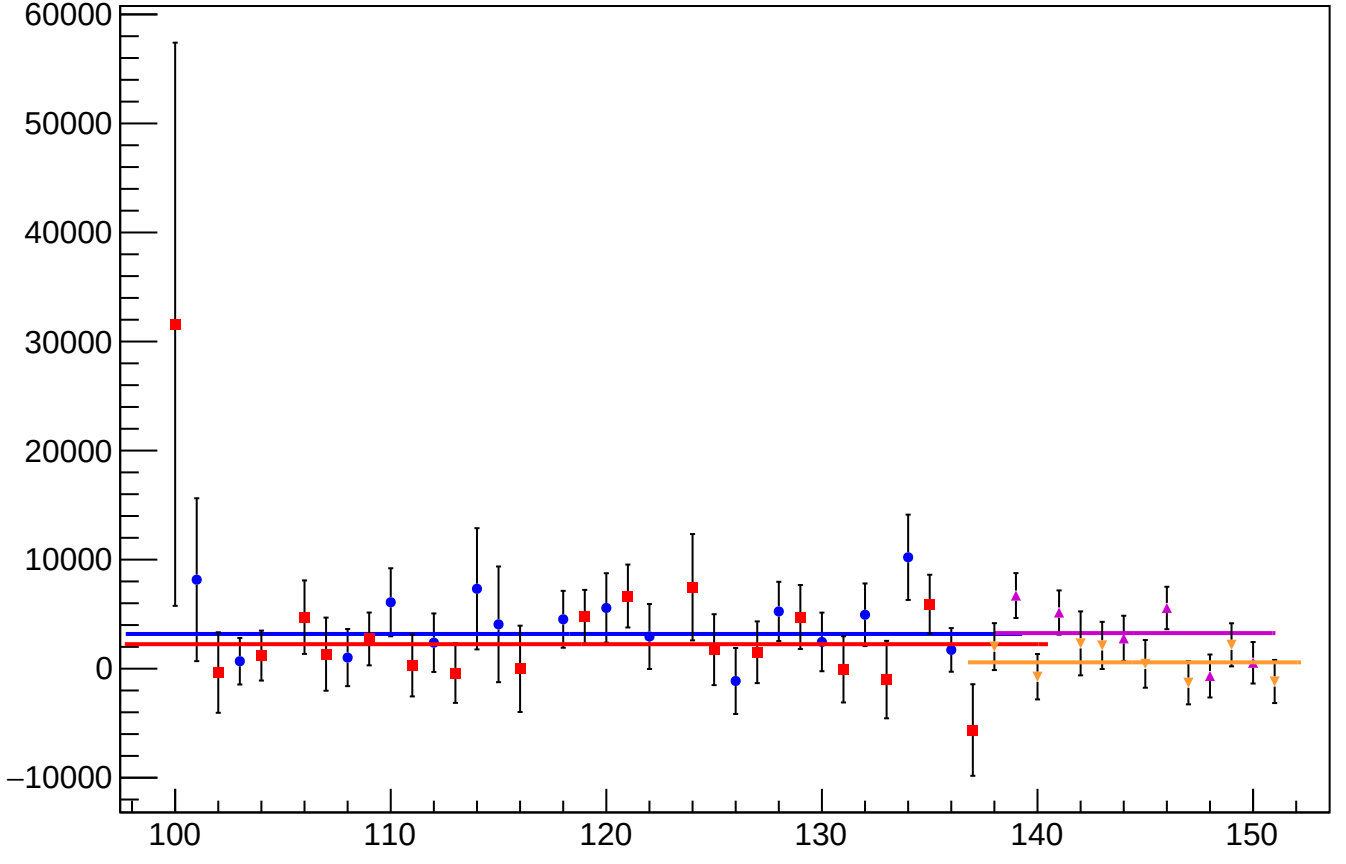
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2278497.5/21

Out: 0.000+/-0.000 χ^2/NDF:12113139.0/26

All: 0.000+/-0.000 χ^2/NDF: 23358895.5/48

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 580.325+/-755.511 χ^2/NDF:4.1/7

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3262.274+/-813.845 χ^2/NDF:11.2/5

Left: 1821.746+/-553.702 χ^2/NDF: 21.1/13

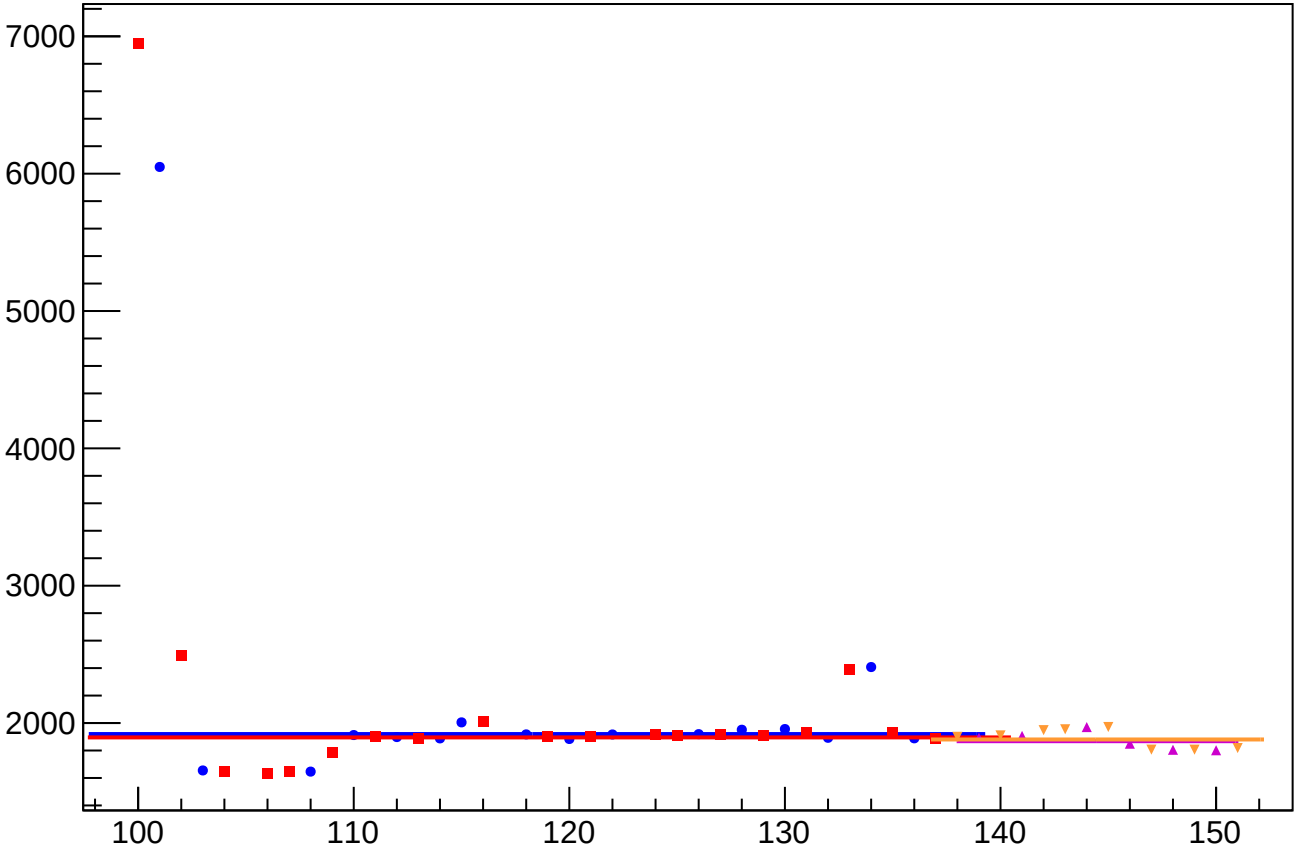
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3218.795+/-543.888 χ^2/NDF:22.9/21

Out: 1463.805+/-517.740 χ^2/NDF:23.1/26

All: 2298.100+/-375.001 χ^2/NDF: 51.5/48

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1880.329+/-0.534 χ^2/NDF:15020.3/7

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1867.815+/-0.575 χ^2/NDF:10492.9/5

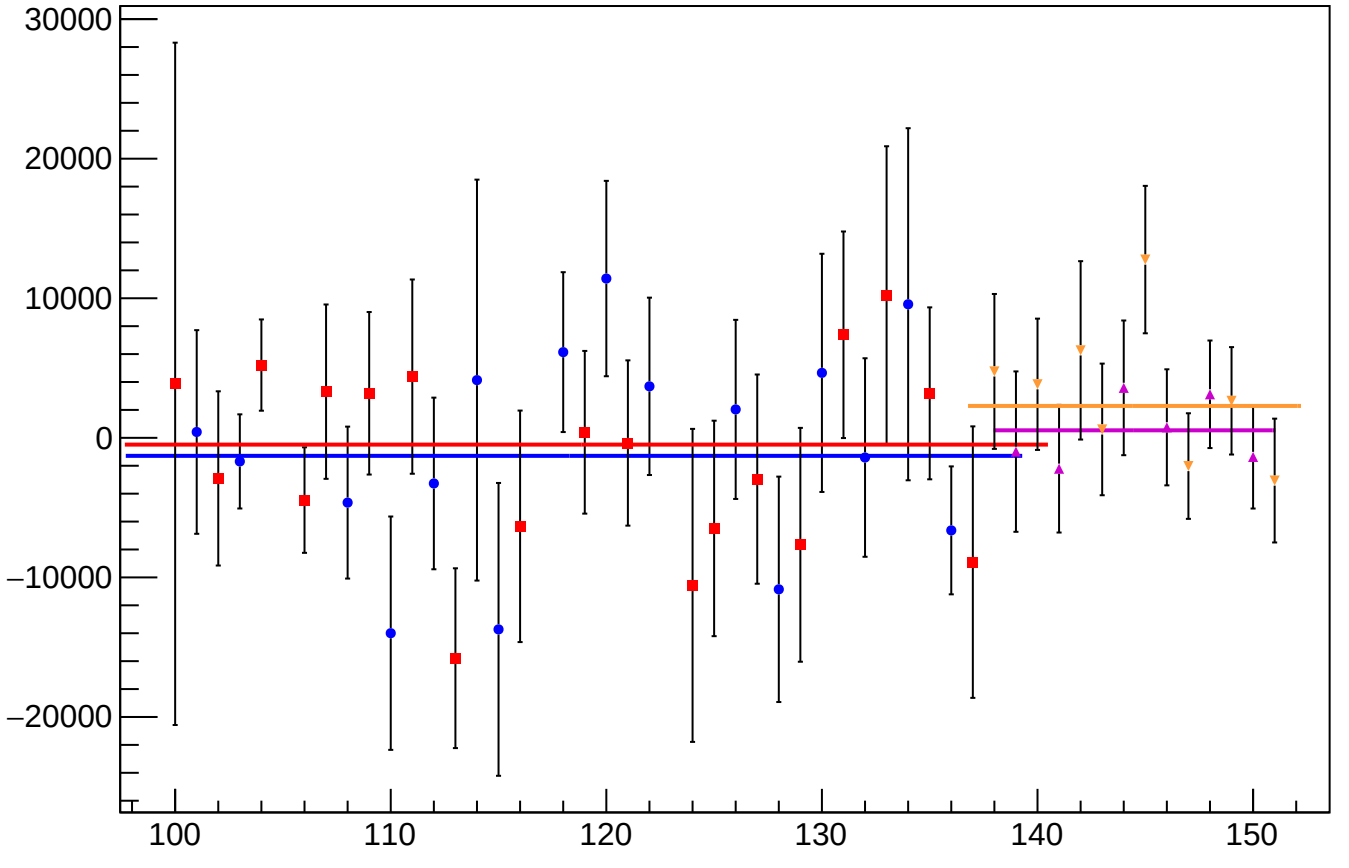
Left: 1874.536+/-0.392 χ^2/NDF: 25767.2/13

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1896.597+/-0.385 χ^2/NDF:712344.9/21

Out: 1888.328+/-0.365 χ^2/NDF:237715.6/26

All: 1892.251+/-0.265 χ^2/NDF: 950303.4/48



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 2285.536+/-1641.268 χ^2/NDF:7.5/7

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 538.214+/-1769.363 χ^2/NDF:1.5/5

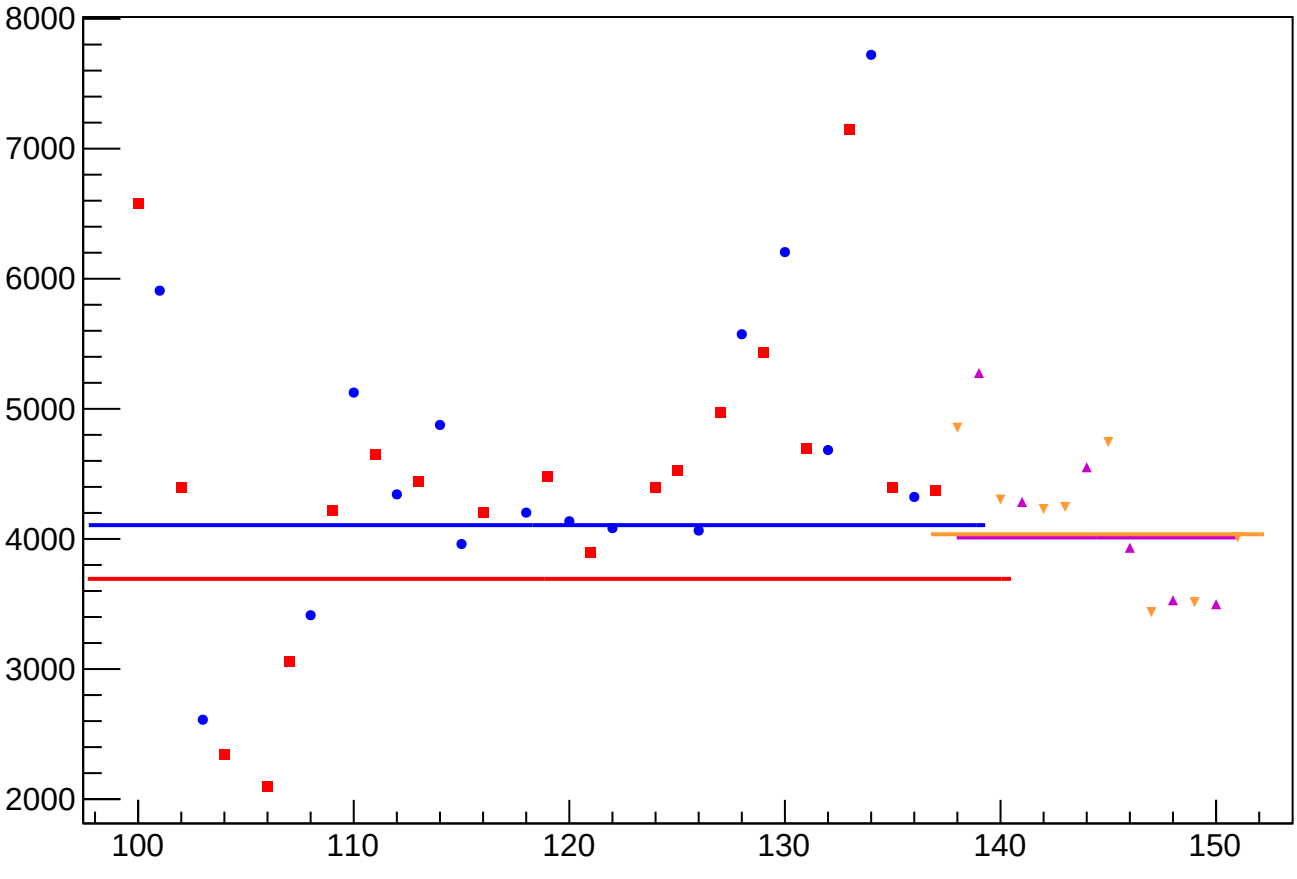
Left: 1477.408+/-1203.291 χ^2/NDF: 9.6/13

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -476.101+/-1180.761 χ^2/NDF:16.4/21

Out: 717.545+/-1081.360 χ^2/NDF:26.4/26

All: 173.072+/-797.467 χ^2/NDF: 43.3/48



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4036.037+/-1.161 χ^2/NDF:178666.4/7

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4011.178+/-1.251 χ^2/NDF:199534.5/5

Left: 4024.540+/-0.851 χ^2/NDF: 378413.1/13

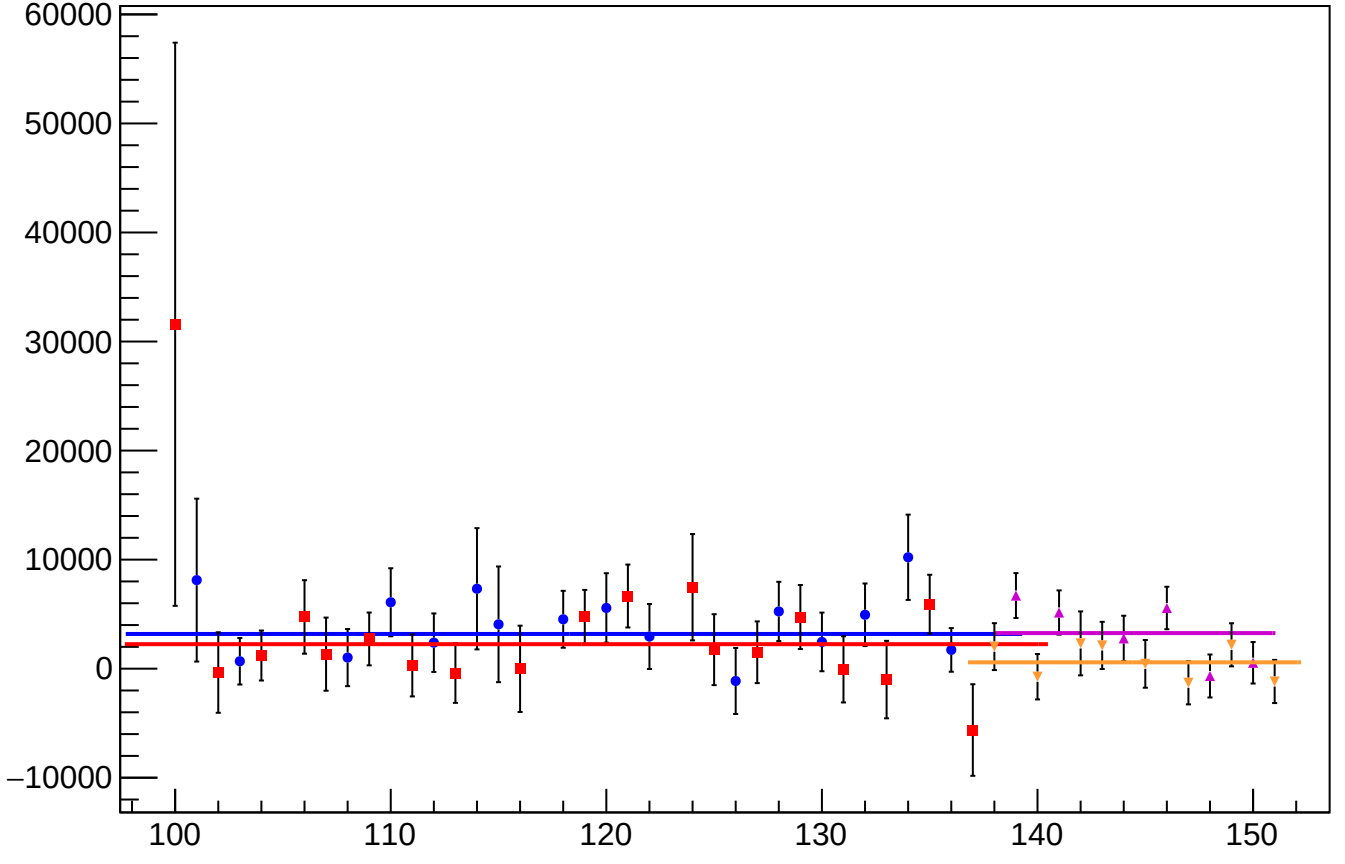
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4063.851+/-0.835 χ^2/NDF:1158860.4/21

Out: 3842.060+/-0.765 χ^2/NDF:1584675.2/26

All: 3943.228+/-0.564 χ^2/NDF: 2781913.1/48

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 580.281+/-755.511 χ^2/NDF:4.1/7

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3262.524+/-813.845 χ^2/NDF:11.2/5

Left: 1821.838+/-553.702 χ^2/NDF: 21.1/13

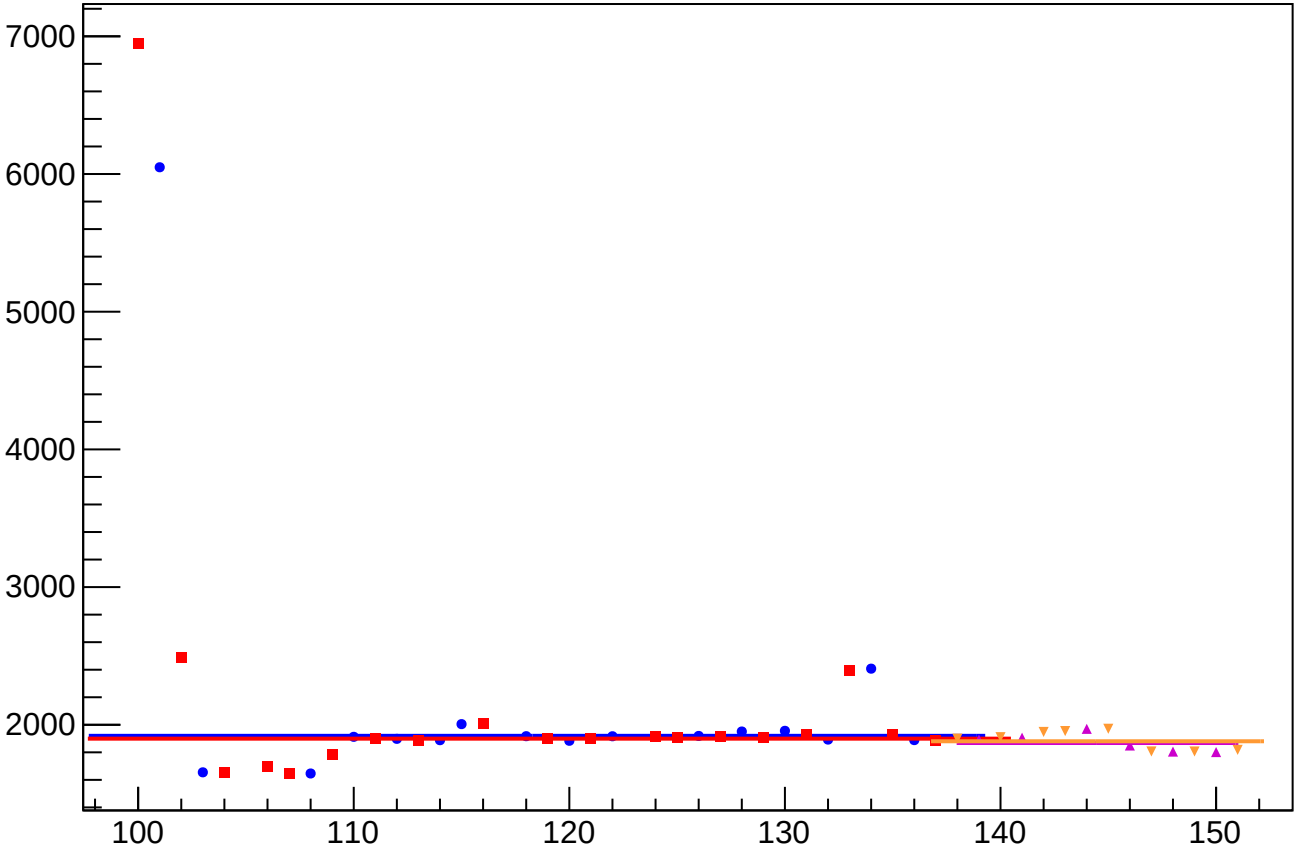
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3218.502+/-543.888 χ^2/NDF:22.9/21

Out: 1464.382+/-517.741 χ^2/NDF:23.2/26

All: 2298.266+/-375.001 χ^2/NDF: 51.5/48

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1880.329+/-0.534 χ^2/NDF:15020.3/7

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1867.815+/-0.575 χ^2/NDF:10492.9/5

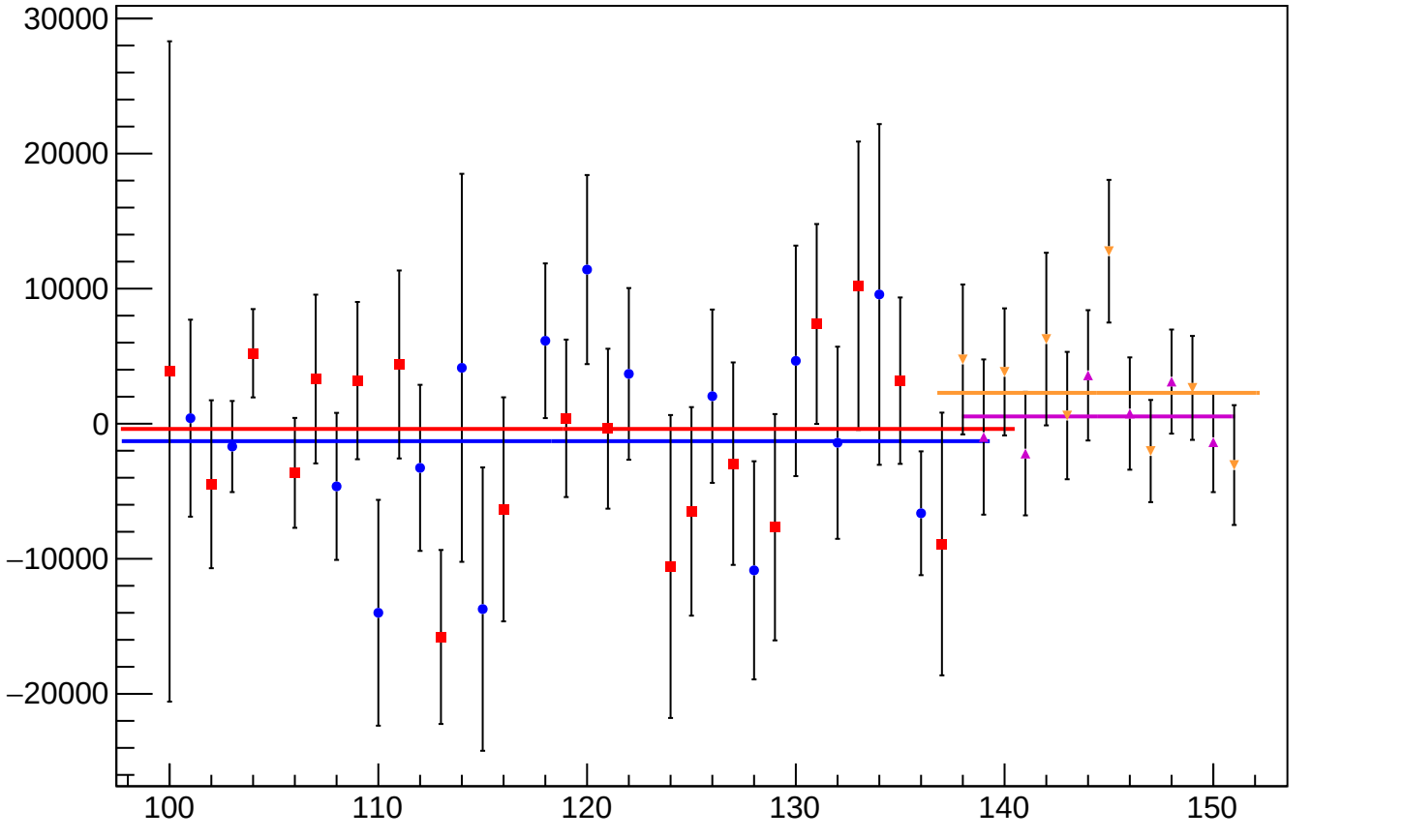
Left: 1874.536+/-0.392 χ^2/NDF: 25767.2/13

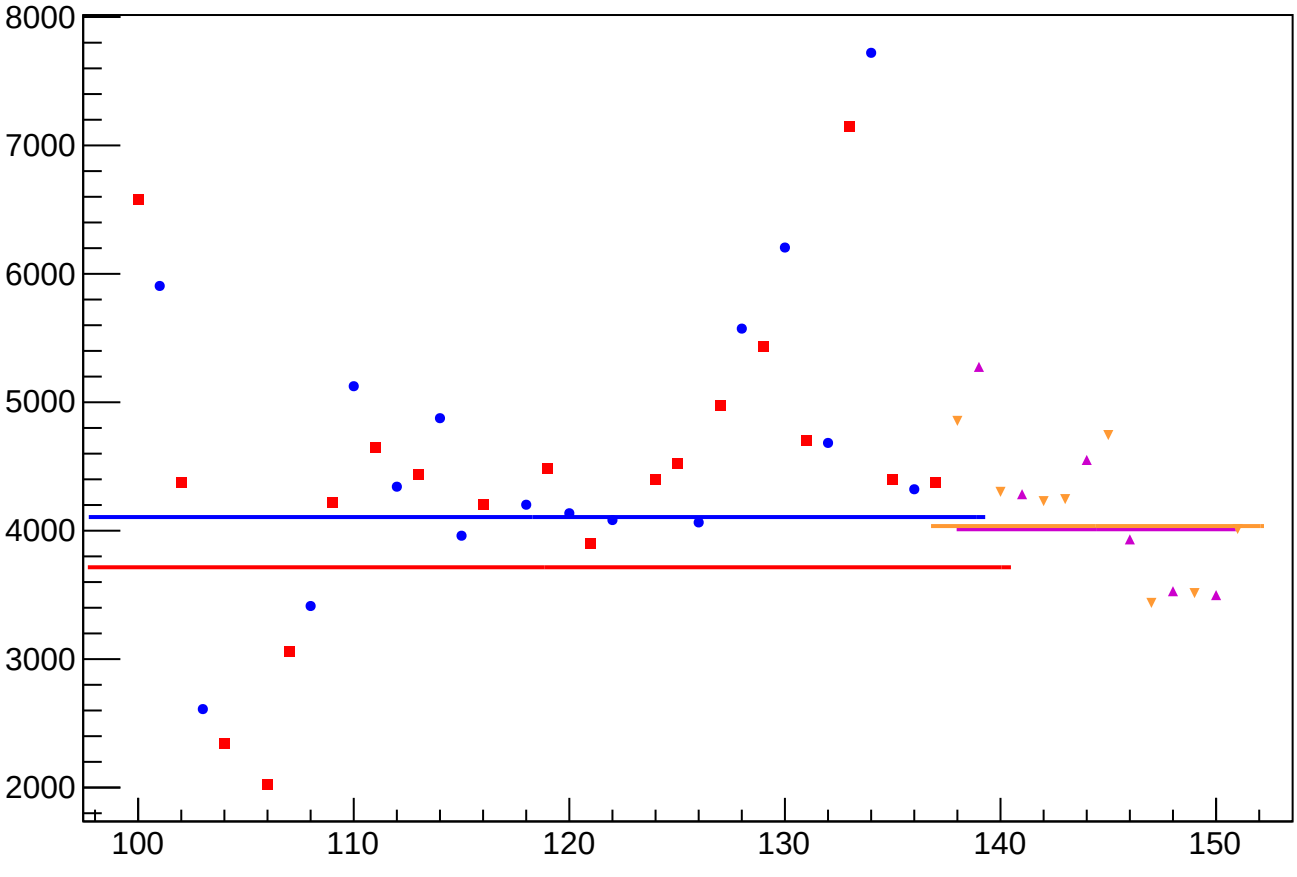
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1896.598+/-0.385 χ^2/NDF:712344.1/21

Out: 1890.440+/-0.366 χ^2/NDF:231348.8/26

All: 1893.365+/-0.265 χ^2/NDF: 943827.5/48


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 2285.490+/-1641.261 χ²/NDF:7.5/7
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 538.260+/-1769.366 χ²/NDF:1.5/5
Left: 1477.409+/-1203.289 χ²/NDF: 9.6/13
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -476.285+/-1180.763 χ²/NDF:16.4/21
Out: 785.561+/-1087.308 χ²/NDF:26.0/26
All: 206.544+/-799.844 χ²/NDF: 43.0/48



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4036.019+/-1.161 χ^2/NDF:178667.1/7

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4011.185+/-1.251 χ^2/NDF:199533.8/5

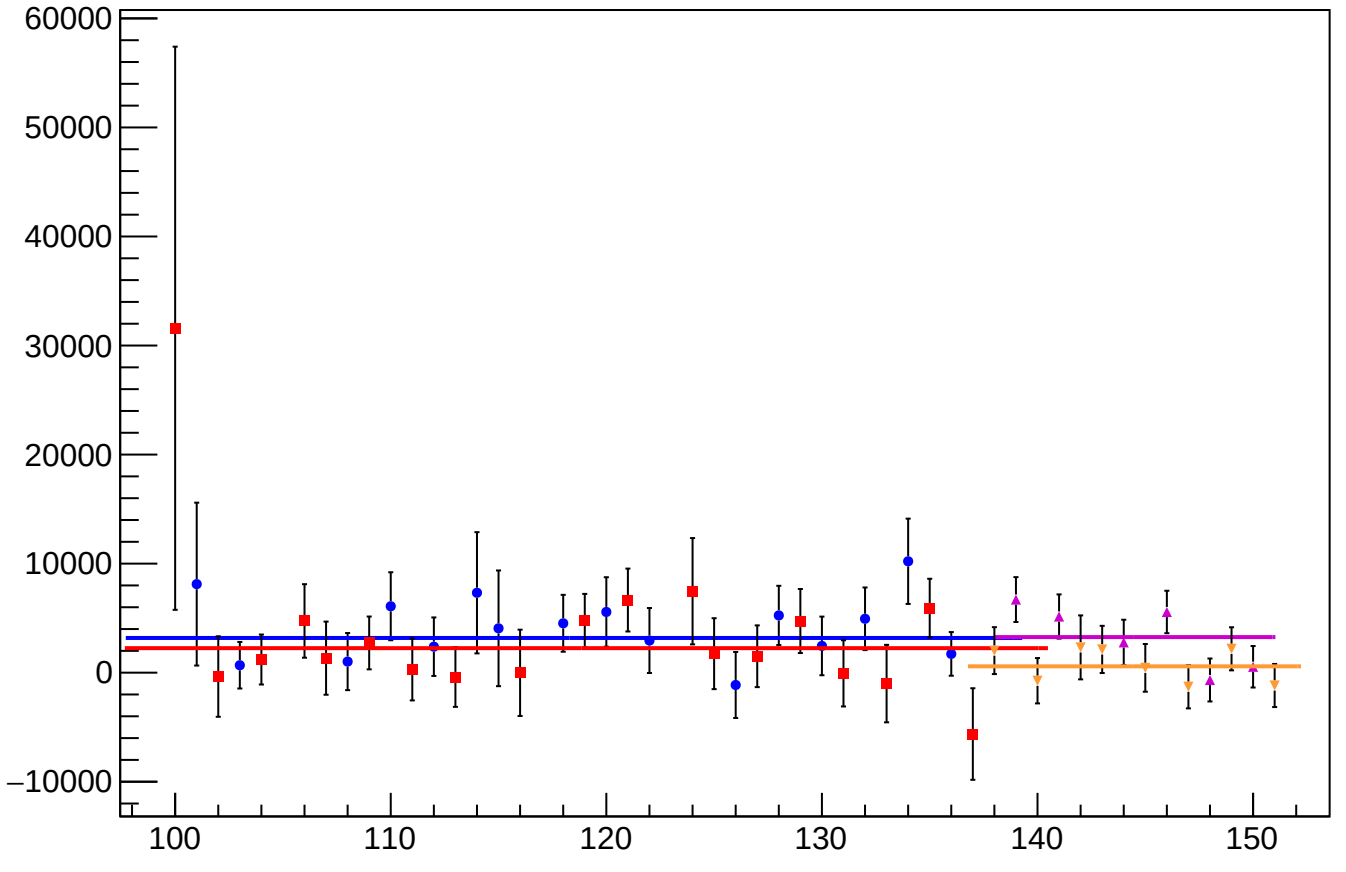
Left: 4024.534+/-0.851 χ^2/NDF: 378412.7/13

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4063.905+/-0.835 χ^2/NDF:1158366.2/21

Out: 3856.004+/-0.769 χ^2/NDF:1556646.4/26

All: 3951.402+/-0.566 χ^2/NDF: 2748565.2/48



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 580.281+/-755.511 χ^2/NDF:4.1/7

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3262.524+/-813.845 χ^2/NDF:11.2/5

Left: 1821.838+/-553.702 χ^2/NDF: 21.1/13

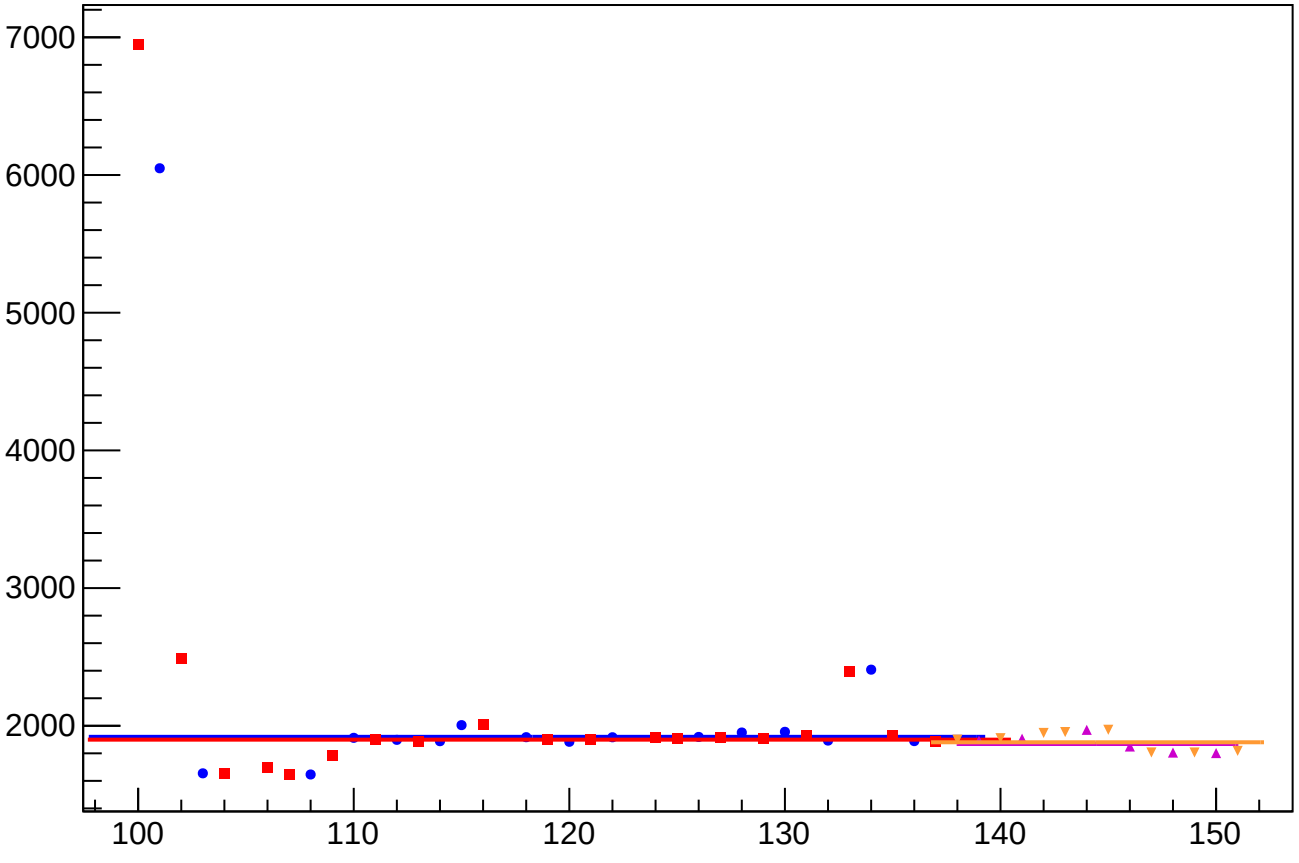
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3218.502+/-543.888 χ^2/NDF:22.9/21

Out: 1464.382+/-517.741 χ^2/NDF:23.2/26

All: 2298.266+/-375.001 χ^2/NDF: 51.5/48

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1880.329+/-0.534 χ^2/NDF:15020.3/7

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1867.815+/-0.575 χ^2/NDF:10492.9/5

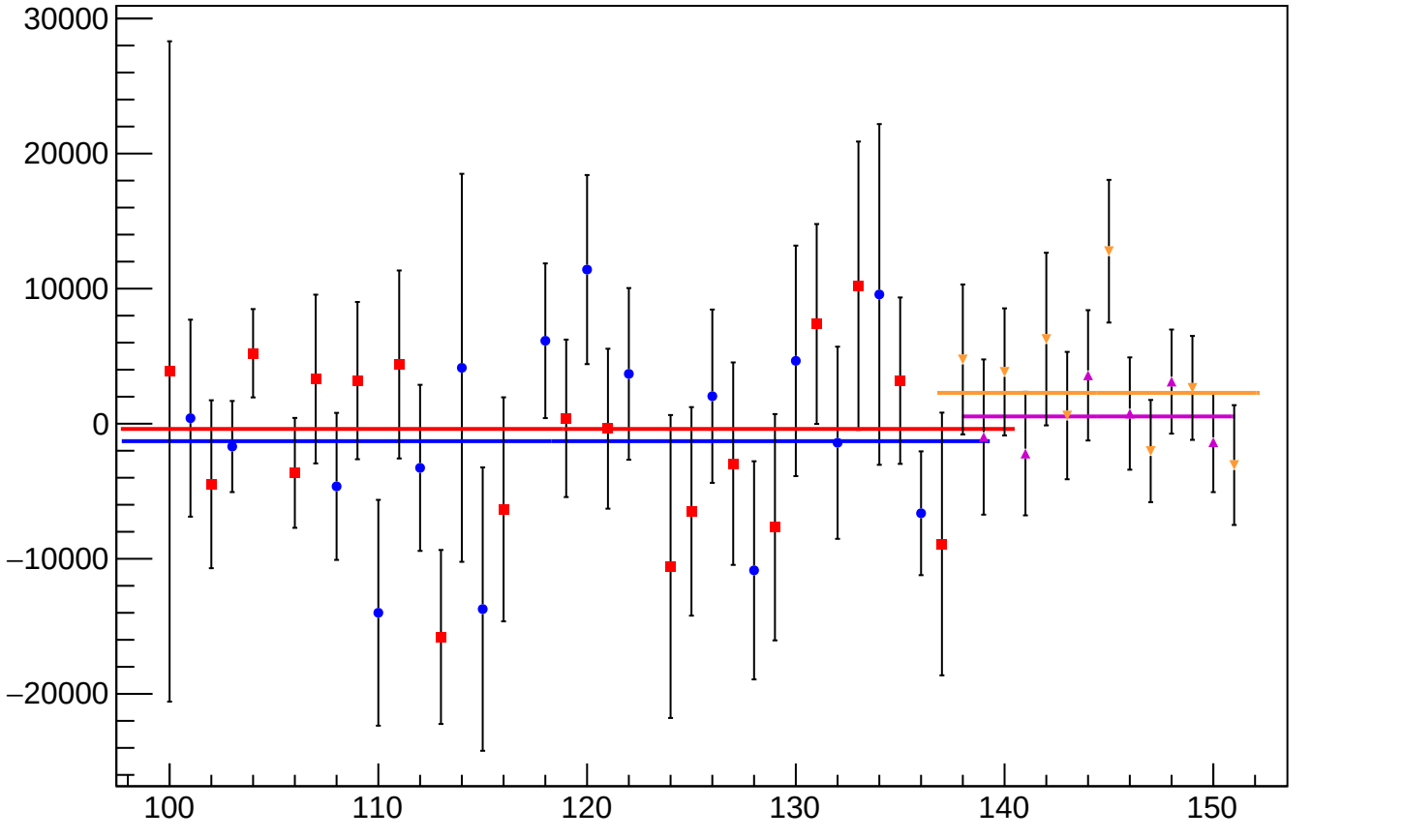
Left: 1874.536+/-0.392 χ^2/NDF: 25767.2/13

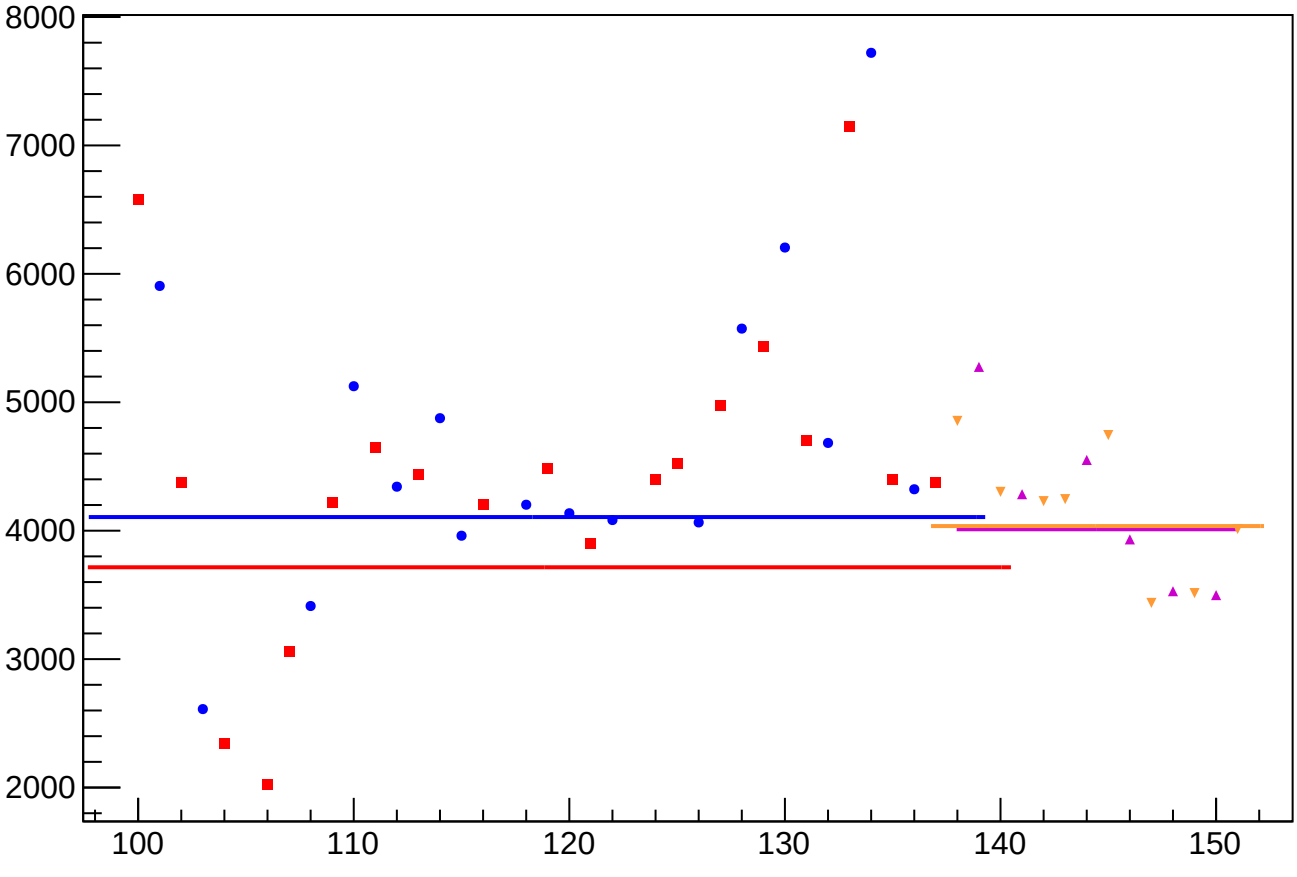
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1896.598+/-0.385 χ^2/NDF:712344.1/21

Out: 1890.440+/-0.366 χ^2/NDF:231348.8/26

All: 1893.365+/-0.265 χ^2/NDF: 943827.5/48


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 2285.490+/-1641.261 χ²/NDF:7.5/7
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 538.260+/-1769.366 χ²/NDF:1.5/5
Left: 1477.409+/-1203.289 χ²/NDF: 9.6/13
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -476.285+/-1180.763 χ²/NDF:16.4/21
Out: 785.561+/-1087.308 χ²/NDF:26.0/26
All: 206.544+/-799.844 χ²/NDF: 43.0/48



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4036.019+/-1.161 χ^2/NDF:178667.1/7

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4011.185+/-1.251 χ^2/NDF:199533.8/5

Left: 4024.534+/-0.851 χ^2/NDF: 378412.7/13

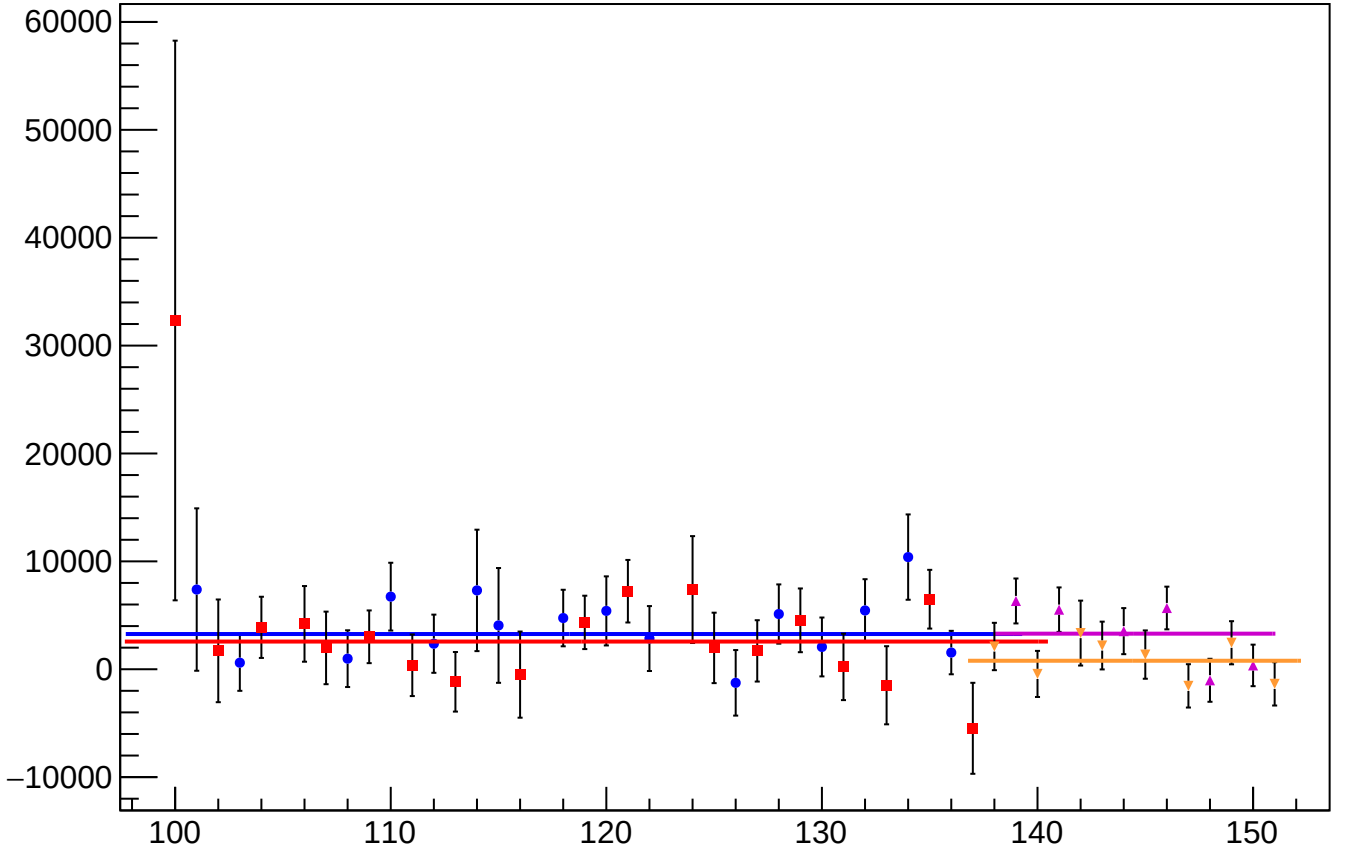
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4063.905+/-0.835 χ^2/NDF:1158366.2/21

Out: 3856.004+/-0.769 χ^2/NDF:1556646.4/26

All: 3951.402+/-0.566 χ^2/NDF: 2748565.2/48

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 787.259+/-770.031 χ^2/NDF:5.1/7

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3297.854+/-826.884 χ^2/NDF:11.8/5

Left: 1953.288+/-563.522 χ^2/NDF: 21.8/13

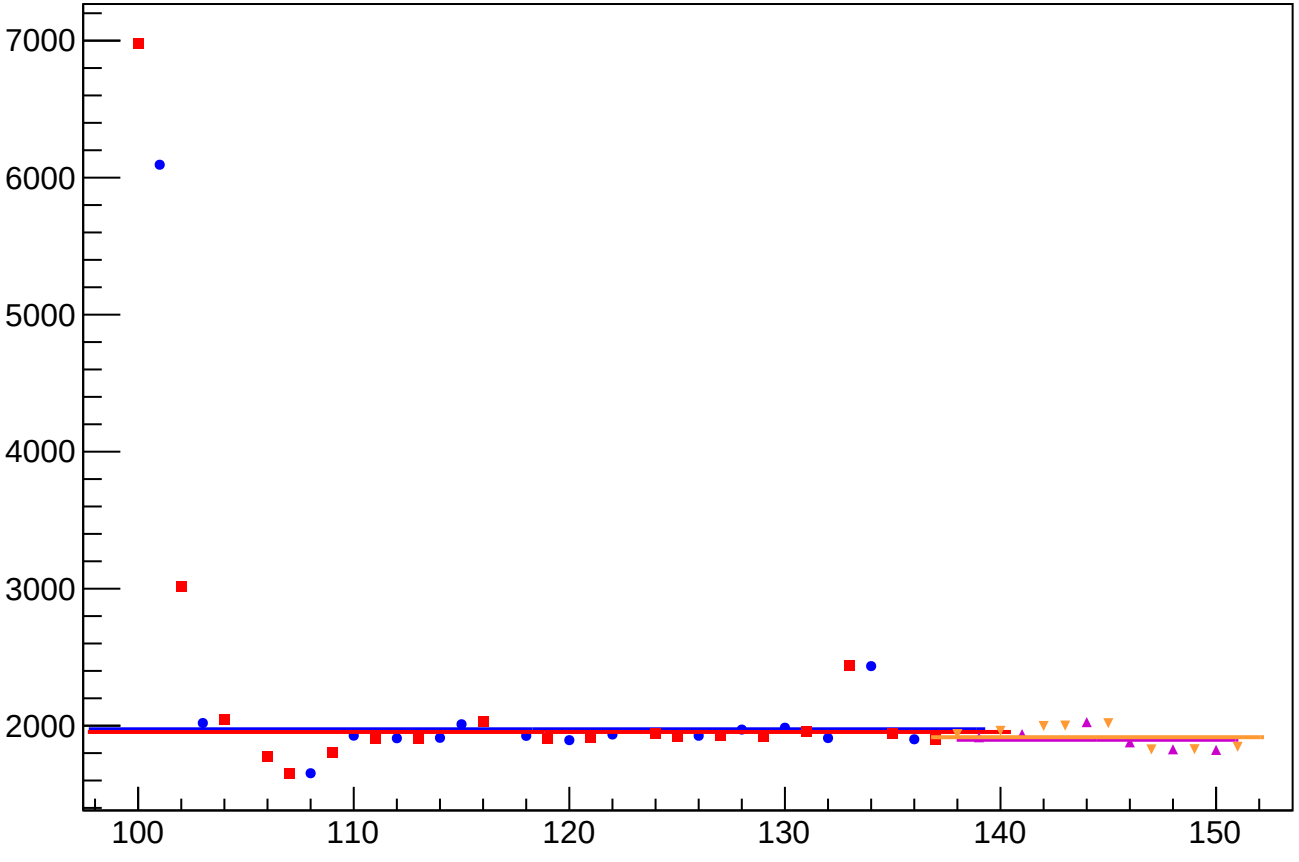
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3279.650+/-555.879 χ^2/NDF:23.9/21

Out: 1718.517+/-531.630 χ^2/NDF:24.9/26

All: 2464.291+/-384.206 χ^2/NDF: 52.9/48

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1916.017+/-0.544 χ^2/NDF:19960.4/7

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1897.380+/-0.585 χ^2/NDF:13806.4/5

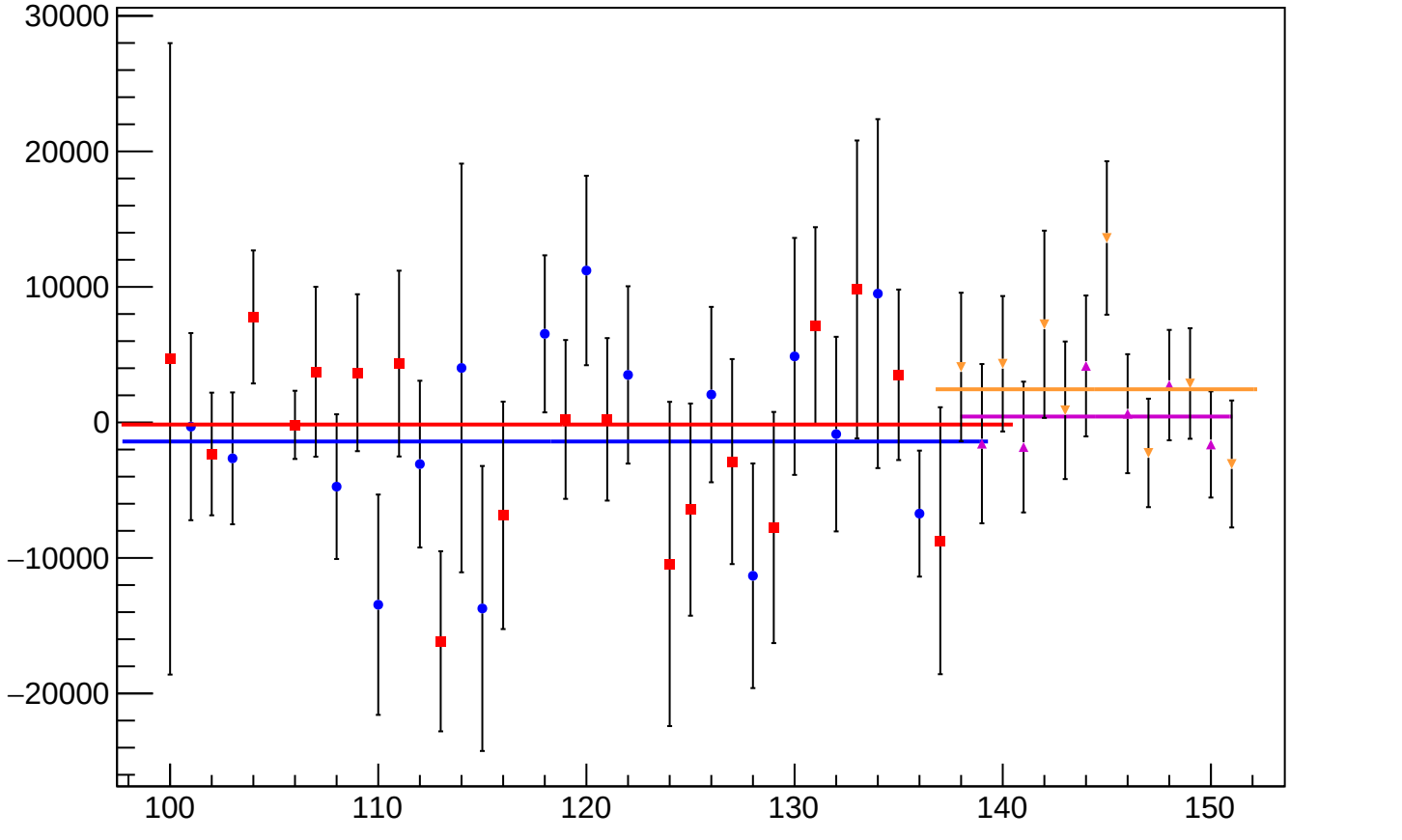
Left: 1907.361+/-0.398 χ^2/NDF: 34310.9/13

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1939.235+/-0.393 χ^2/NDF:688280.3/21

Out: 1936.090+/-0.376 χ^2/NDF:268766.2/26

All: 1937.592+/-0.272 χ^2/NDF: 957079.9/48



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 2445.718+/-1734.553 χ^2/NDF:7.5/7

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 433.593+/-1869.297 χ^2/NDF:1.5/5

Left: 1514.781+/-1271.484 χ^2/NDF: 9.5/13

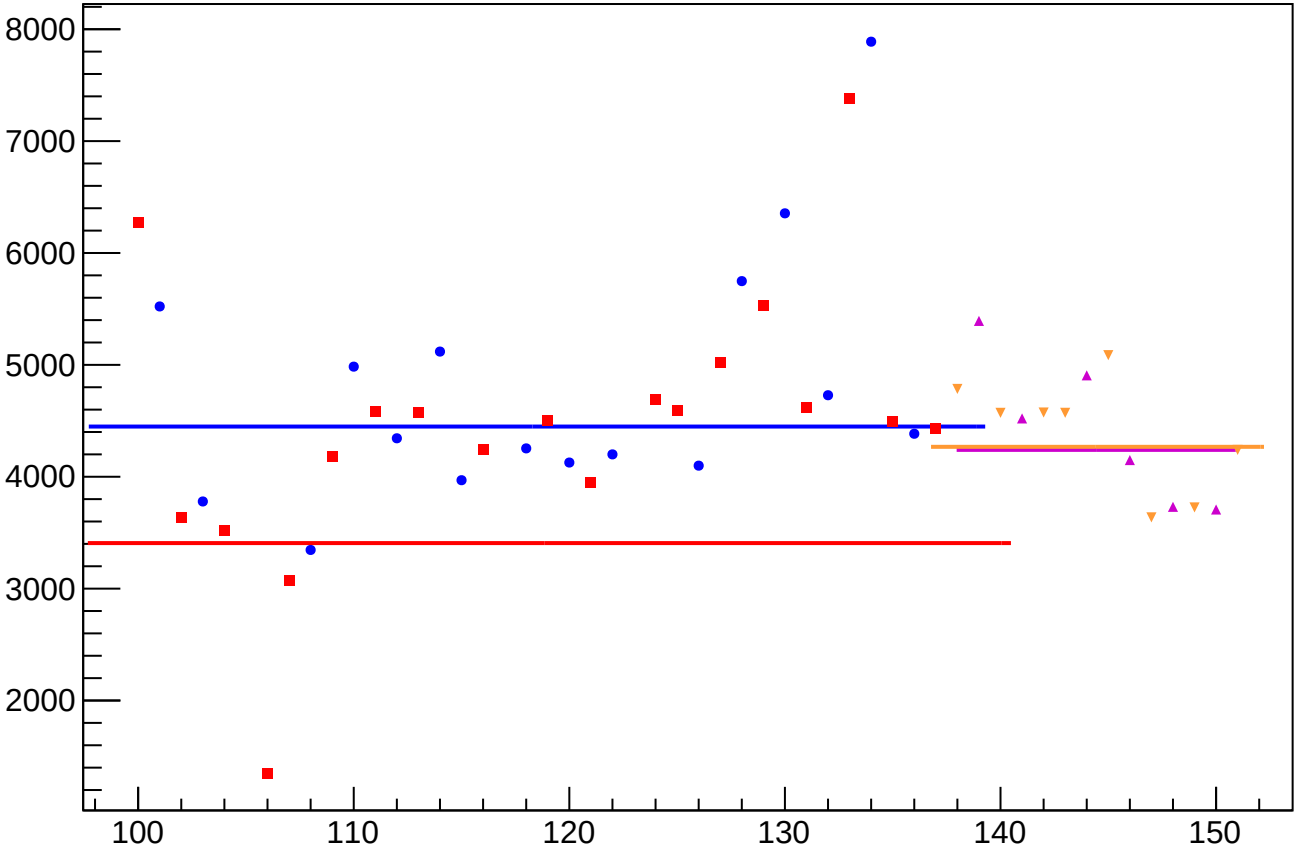
Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -579.403+/-1253.614 χ^2/NDF:16.2/21

Out: 838.237+/-1072.023 χ^2/NDF:24.7/26

All: 239.439+/-814.744 χ^2/NDF: 41.6/48

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4267.513+/-1.227 χ^2/NDF:163187.0/7

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4240.219+/-1.322 χ^2/NDF:185668.2/5

Left: 4254.885+/-0.899 χ^2/NDF: 349084.3/13

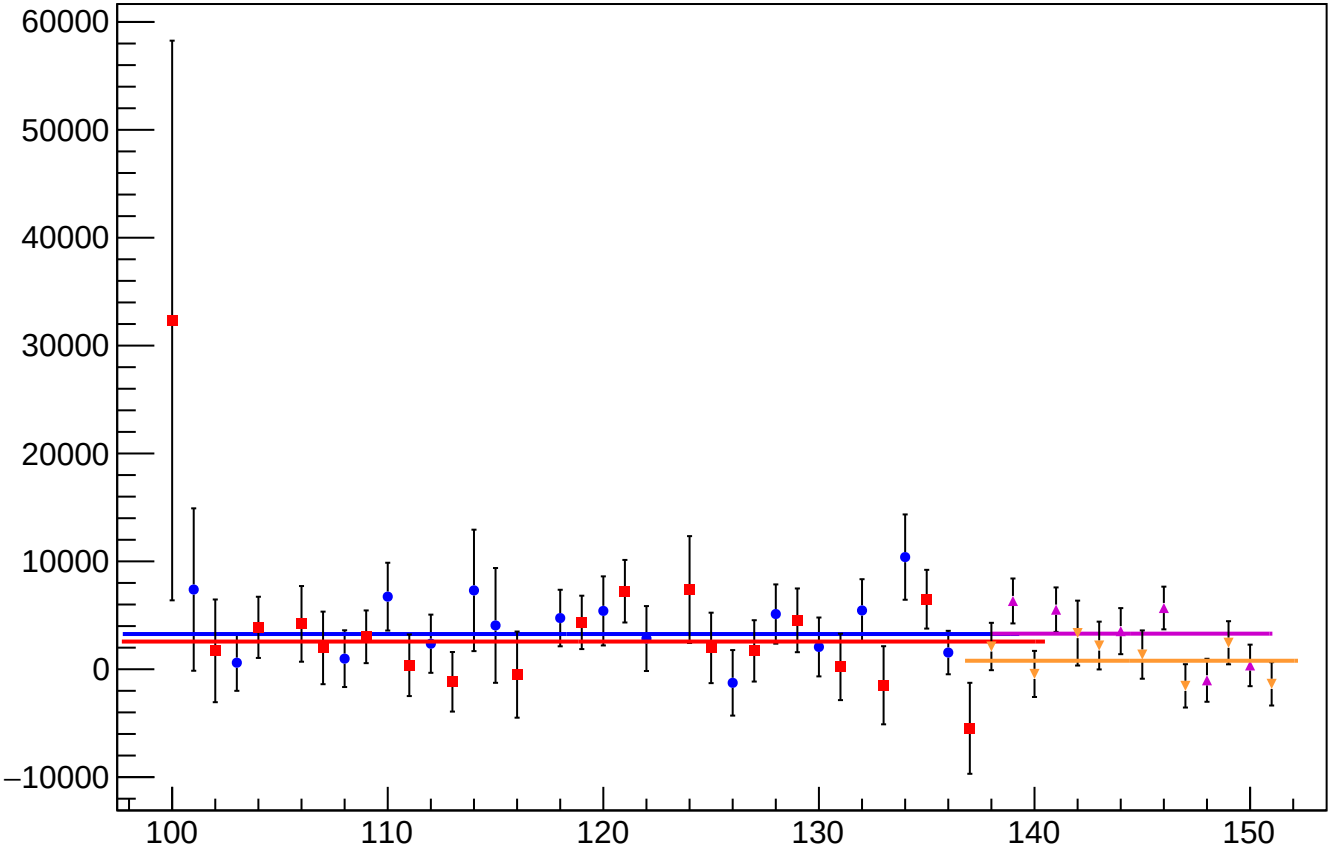
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4354.942+/-0.886 χ^2/NDF:693971.9/21

Out: 3735.772+/-0.758 χ^2/NDF:2793369.2/26

All: 3997.304+/-0.576 χ^2/NDF: 3769150.9/48

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 787.259+/-770.032 χ^2/NDF:5.1/7

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3297.850+/-826.885 χ^2/NDF:11.8/5

Left: 1953.286+/-563.523 χ^2/NDF: 21.8/13

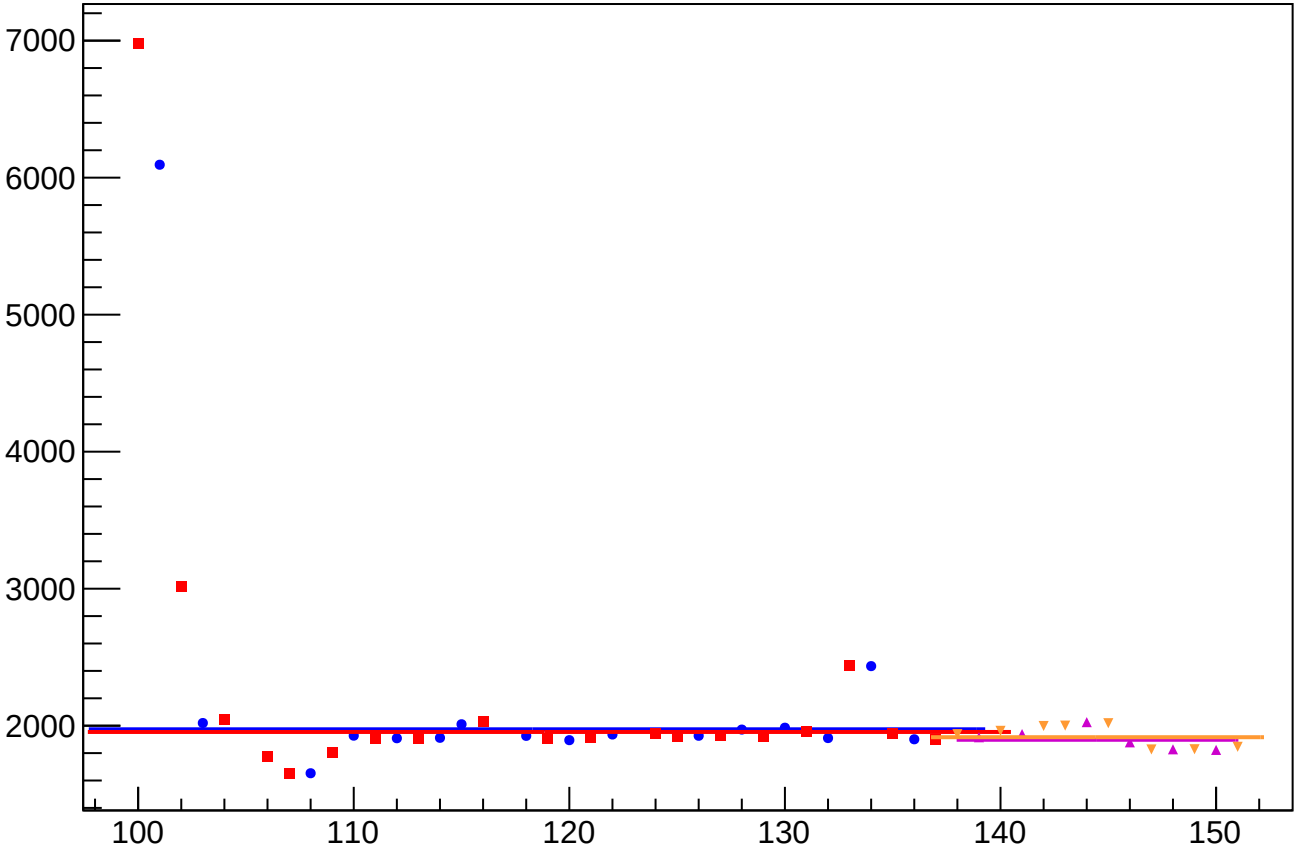
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3279.651+/-555.879 χ^2/NDF:23.9/21

Out: 1718.521+/-531.630 χ^2/NDF:24.9/26

All: 2464.293+/-384.206 χ^2/NDF: 52.9/48

eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1916.018+/-0.544 χ^2/NDF:19960.5/7

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1897.381+/-0.585 χ^2/NDF:13806.3/5

Left: 1907.362+/-0.398 χ^2/NDF: 34310.9/13

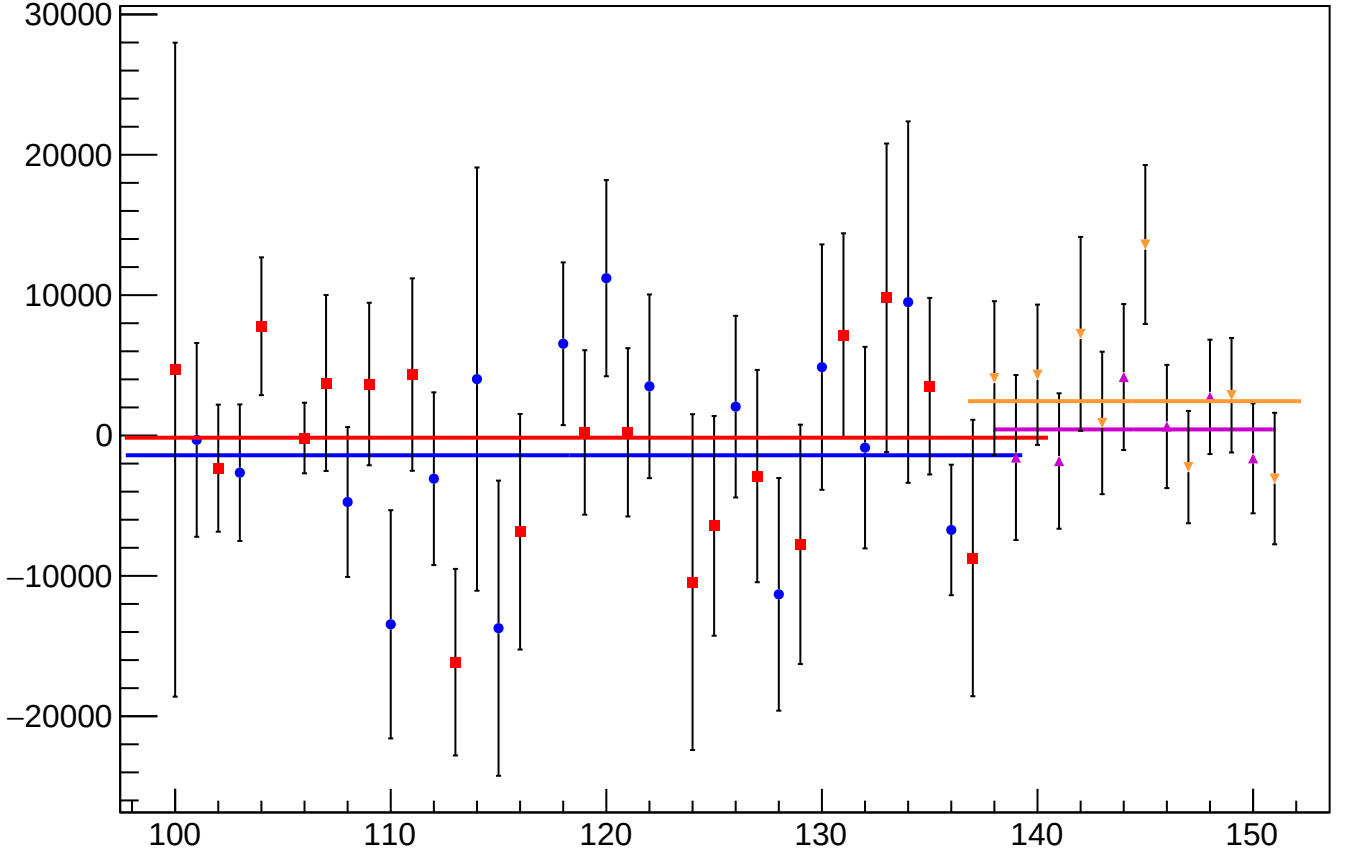
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1939.235+/-0.393 χ^2/NDF:688280.0/21

Out: 1936.090+/-0.376 χ^2/NDF:268765.6/26

All: 1937.592+/-0.272 χ^2/NDF: 957079.1/48

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: 2445.718+/-1734.556 χ^2/NDF:7.5/7

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 433.589+/-1869.299 χ^2/NDF:1.5/5

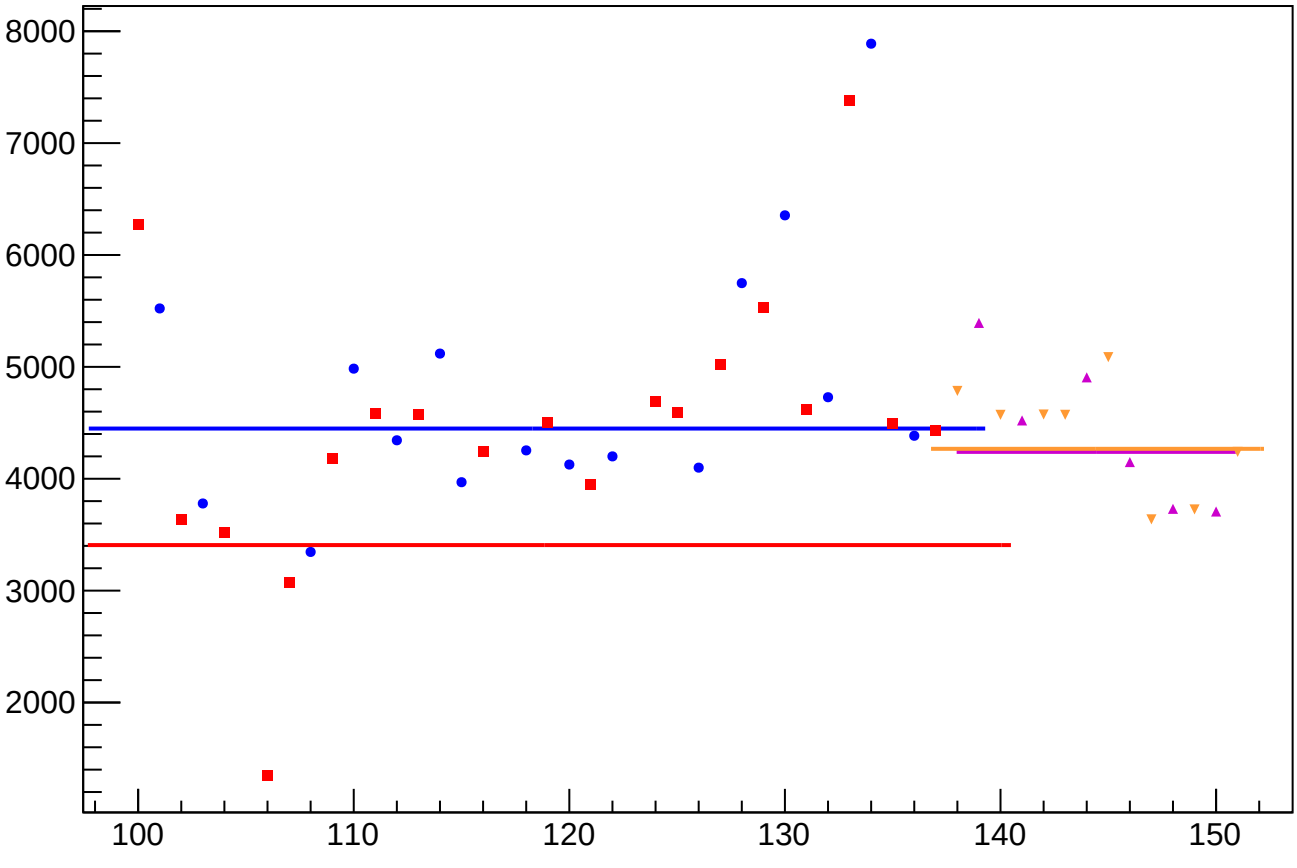
Left: 1514.779+/-1271.486 χ^2/NDF: 9.5/13

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -579.398+/-1253.614 χ^2/NDF:16.2/21

Out: 838.232+/-1072.022 χ^2/NDF:24.7/26

All: 239.438+/-814.743 χ^2/NDF: 41.6/48



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4267.519+/-1.227 χ^2/NDF:163186.8/7

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4240.226+/-1.322 χ^2/NDF:185667.5/5

Left: 4254.891+/-0.899 χ^2/NDF: 349083.4/13

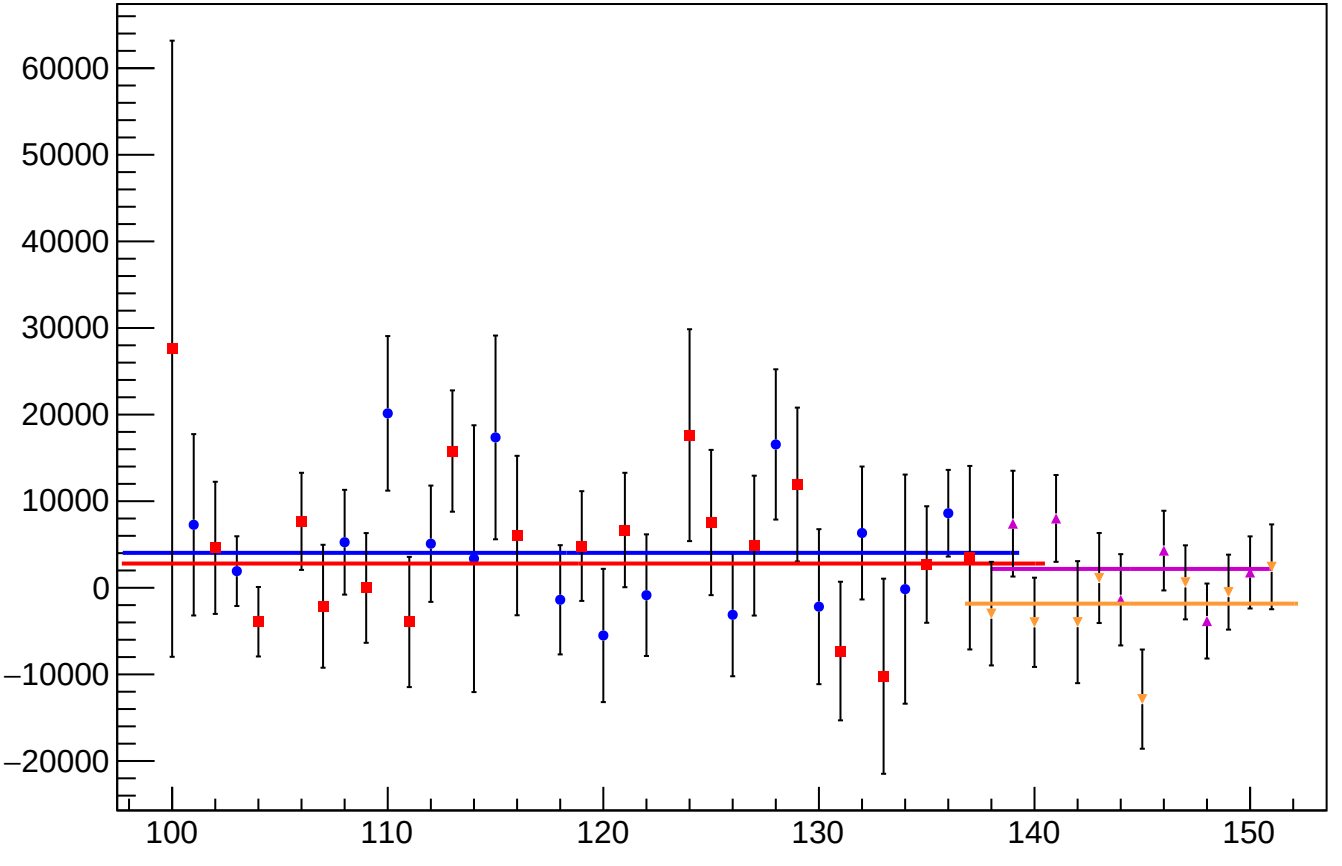
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4354.941+/-0.886 χ^2/NDF:693966.5/21

Out: 3735.768+/-0.758 χ^2/NDF:2793383.1/26

All: 3997.301+/-0.576 χ^2/NDF: 3769162.7/48

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -1830.611+/-1816.620 χ^2/NDF:5.5/7

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2177.151+/-1957.734 χ^2/NDF:4.7/5

Left: 23.640+/-1331.640 χ^2/NDF: 12.5/13

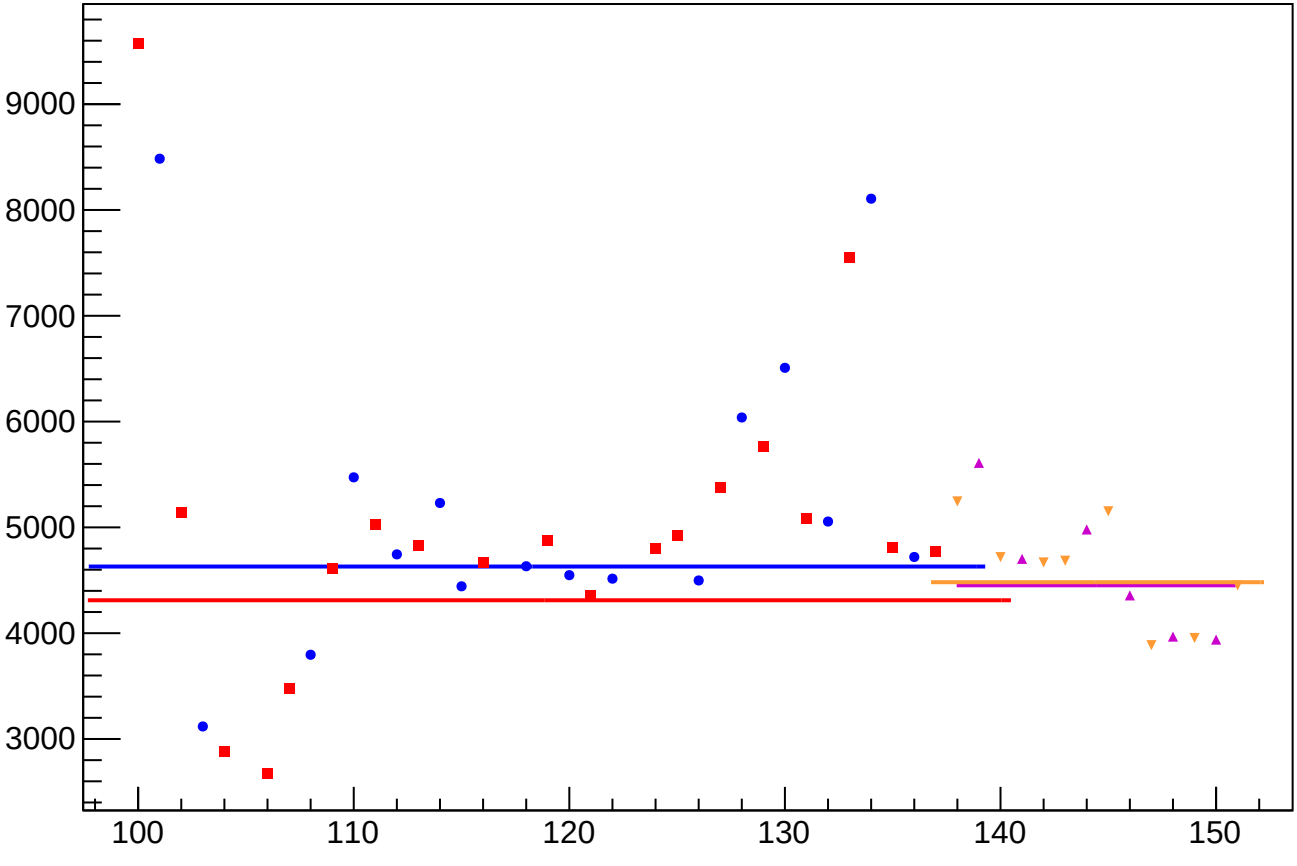
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 3192.936+/-1317.834 χ^2/NDF:17.5/21

Out: 676.792+/-1230.188 χ^2/NDF:24.5/26

All: 1848.417+/-899.264 χ^2/NDF: 43.9/48

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4481.802+/-1.285 χ^2/NDF:137212.1/7

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4452.547+/-1.384 χ^2/NDF:153154.9/5

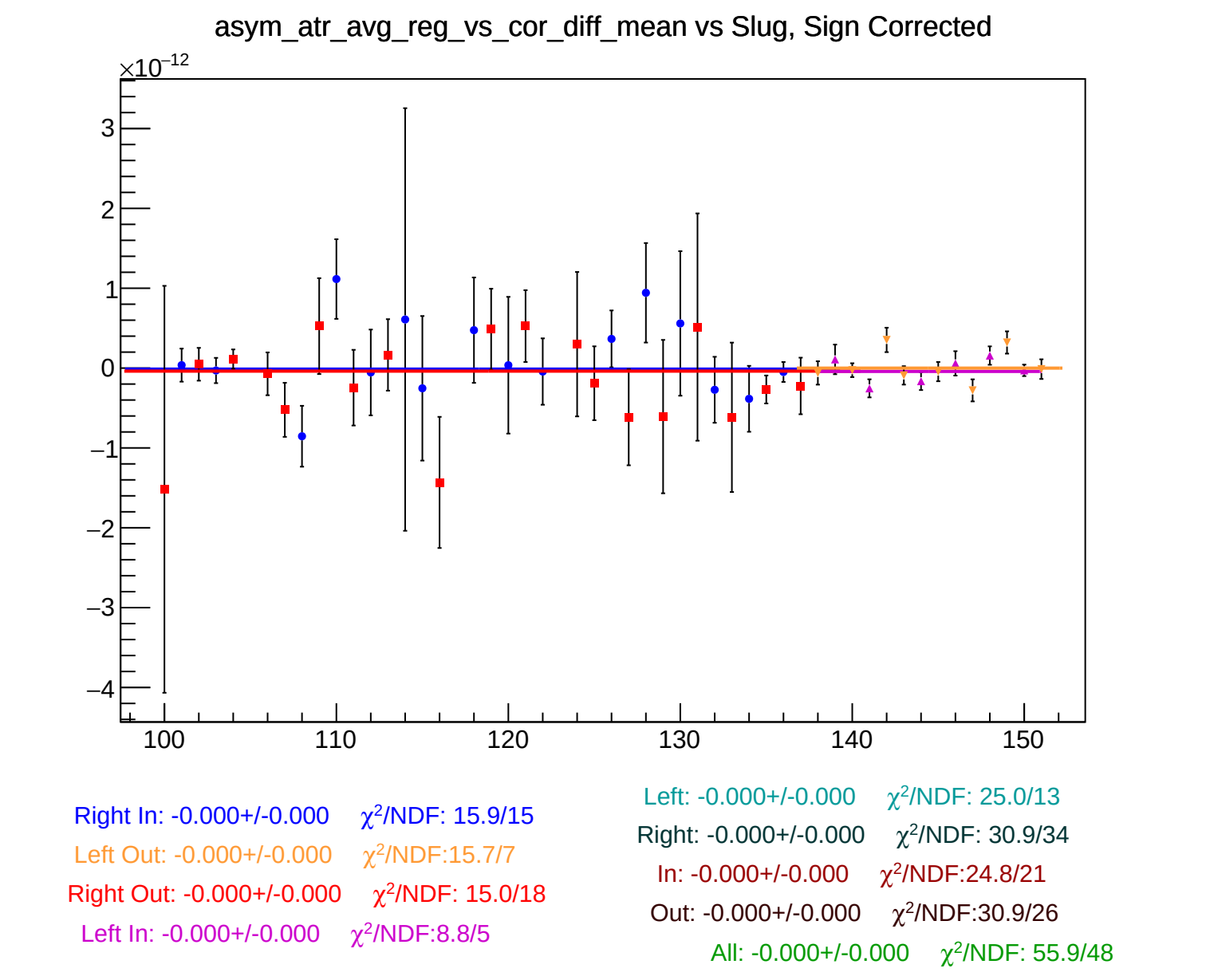
Left: 4468.266+/-0.942 χ^2/NDF: 290607.0/13

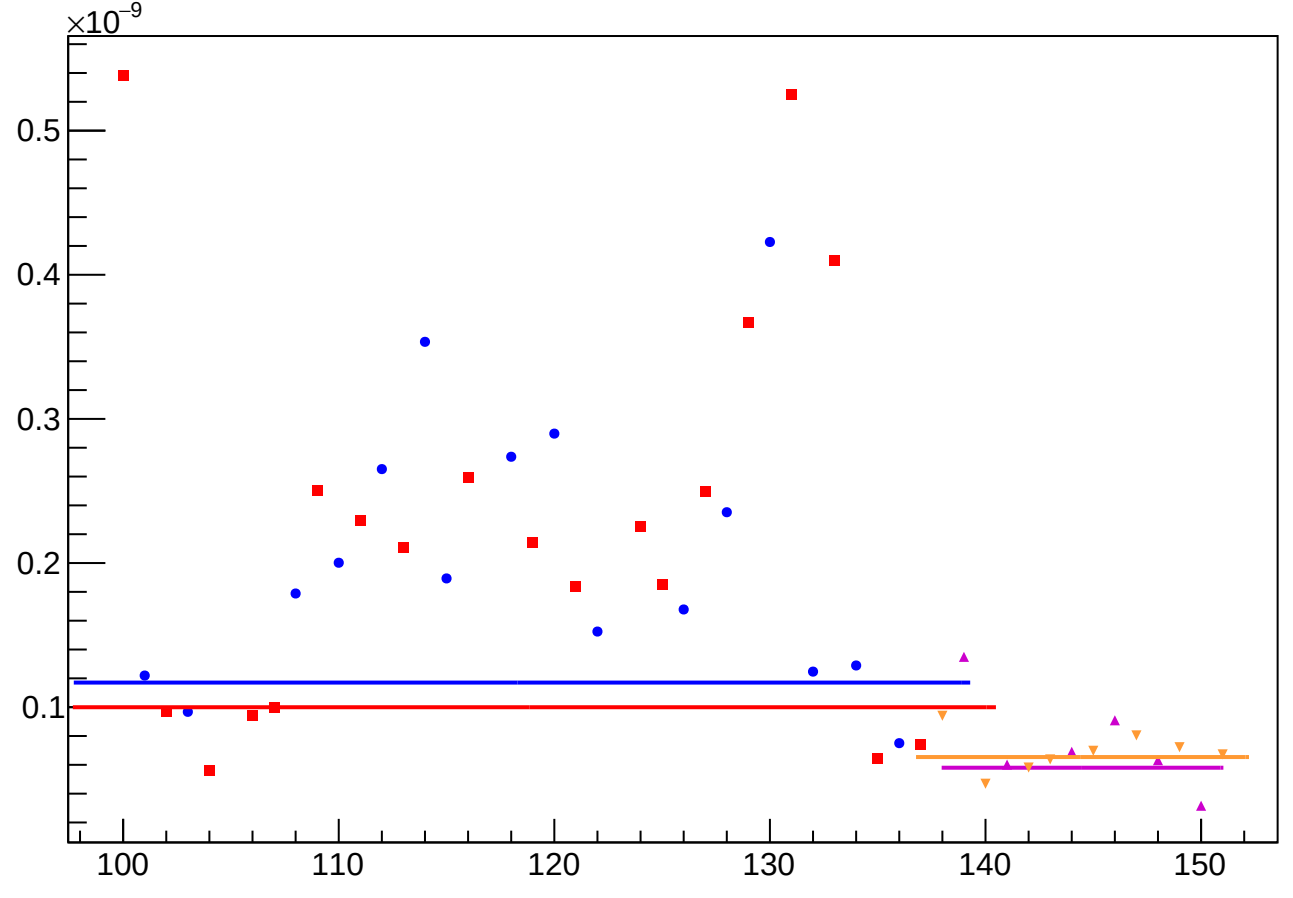
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4549.574+/-0.932 χ^2/NDF:1062384.3/21

Out: 4388.709+/-0.866 χ^2/NDF:1051573.3/26

All: 4463.237+/-0.634 χ^2/NDF: 2129952.1/48


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:15.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:8.8/5
Left: -0.000+/-0.000 χ²/NDF: 25.0/13
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:24.8/21
Out: -0.000+/-0.000 χ²/NDF:30.9/26
All: -0.000+/-0.000 χ²/NDF: 55.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:204014.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:730593.3/5

Left: 0.000+/-0.000 χ^2/NDF: 962941.4/13

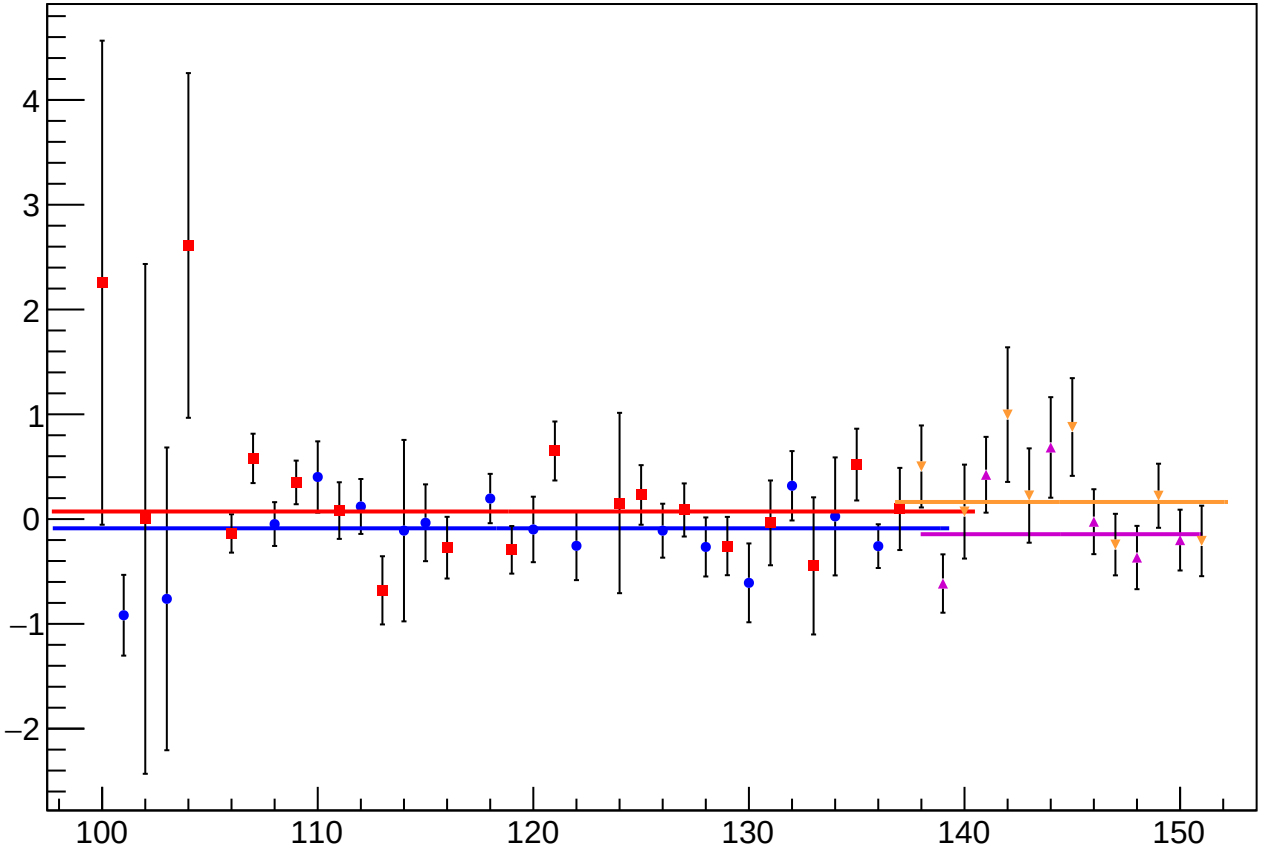
Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:2738546.5/21

Out: 0.000+/-0.000 χ^2/NDF:2382324.7/26

All: 0.000+/-0.000 χ^2/NDF: 5121648.9/48

asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.144+/-0.131 χ^2/NDF:9.0/5

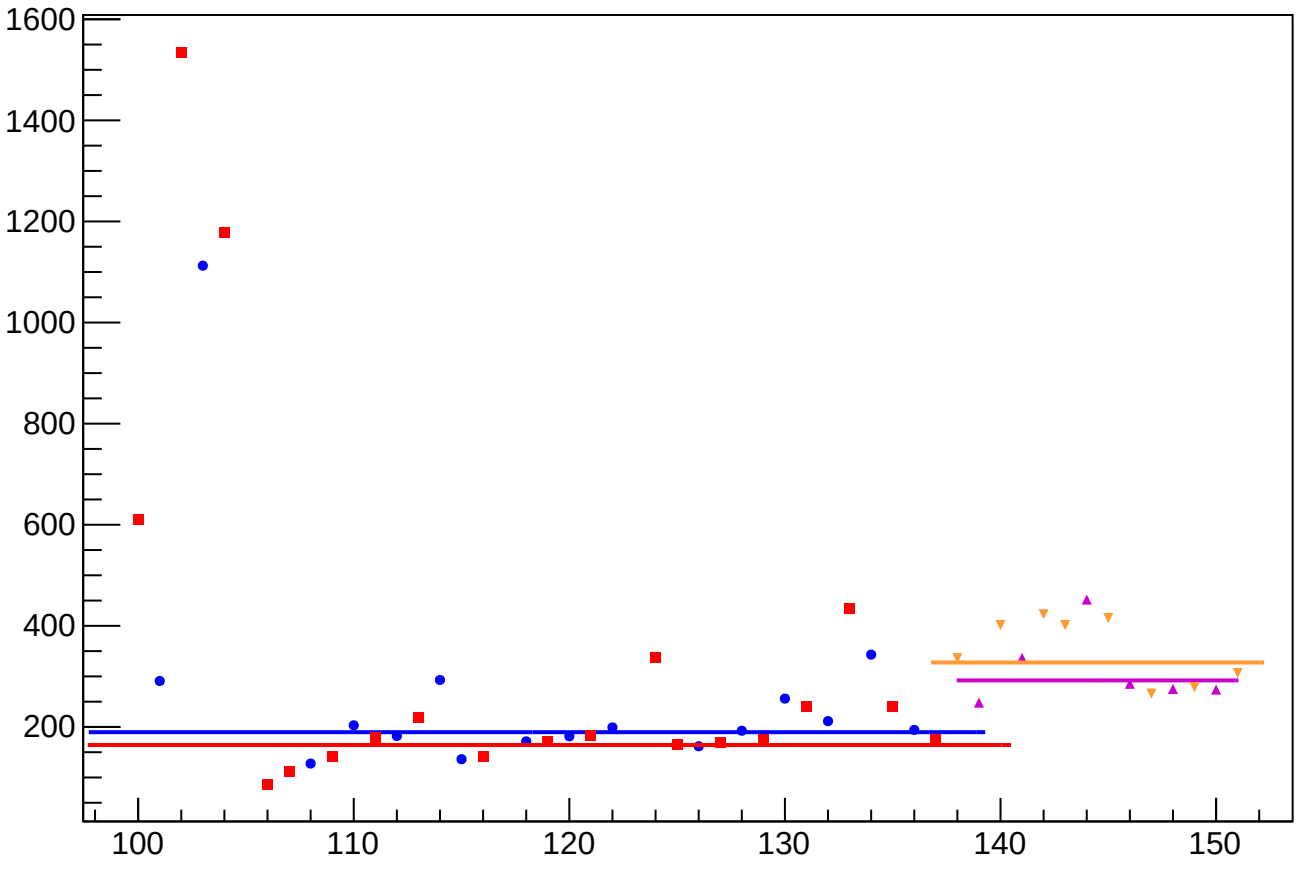
Left: 0.005+/-0.094 χ^2/NDF: 19.7/13

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.102+/-0.066 χ^2/NDF:23.0/21

Out: 0.092+/-0.062 χ^2/NDF:37.0/26

All: 0.001+/-0.045 χ^2/NDF: 64.6/48



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.528+/-0.096 χ^2/NDF:371220.1/7

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 292.075+/-0.093 χ^2/NDF:317433.2/5

Left: 309.243+/-0.067 χ^2/NDF: 759428.8/13

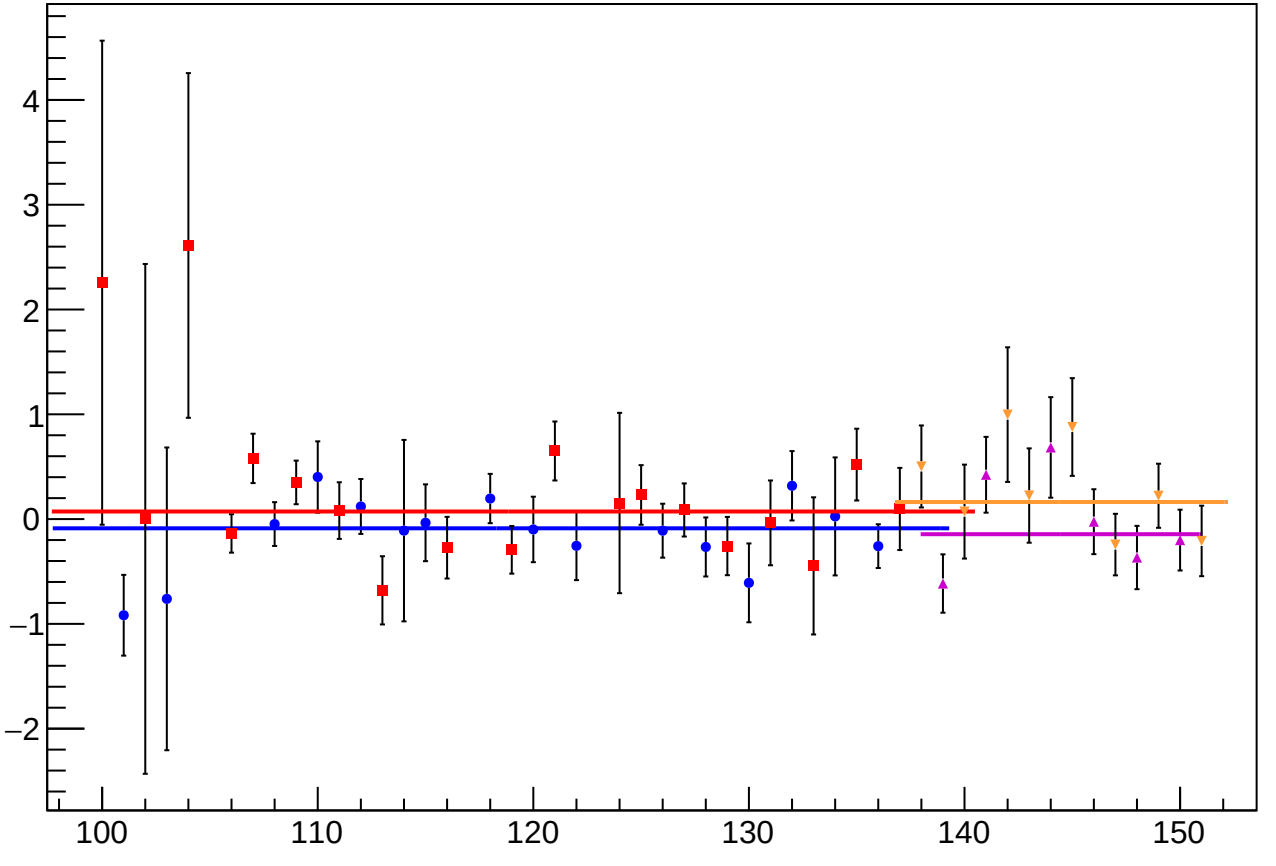
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 215.774+/-0.047 χ^2/NDF:2691902.7/21

Out: 198.748+/-0.044 χ^2/NDF:5309934.8/26

All: 206.723+/-0.032 χ^2/NDF: 8072053.6/48

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.144+/-0.131 χ^2/NDF:9.0/5

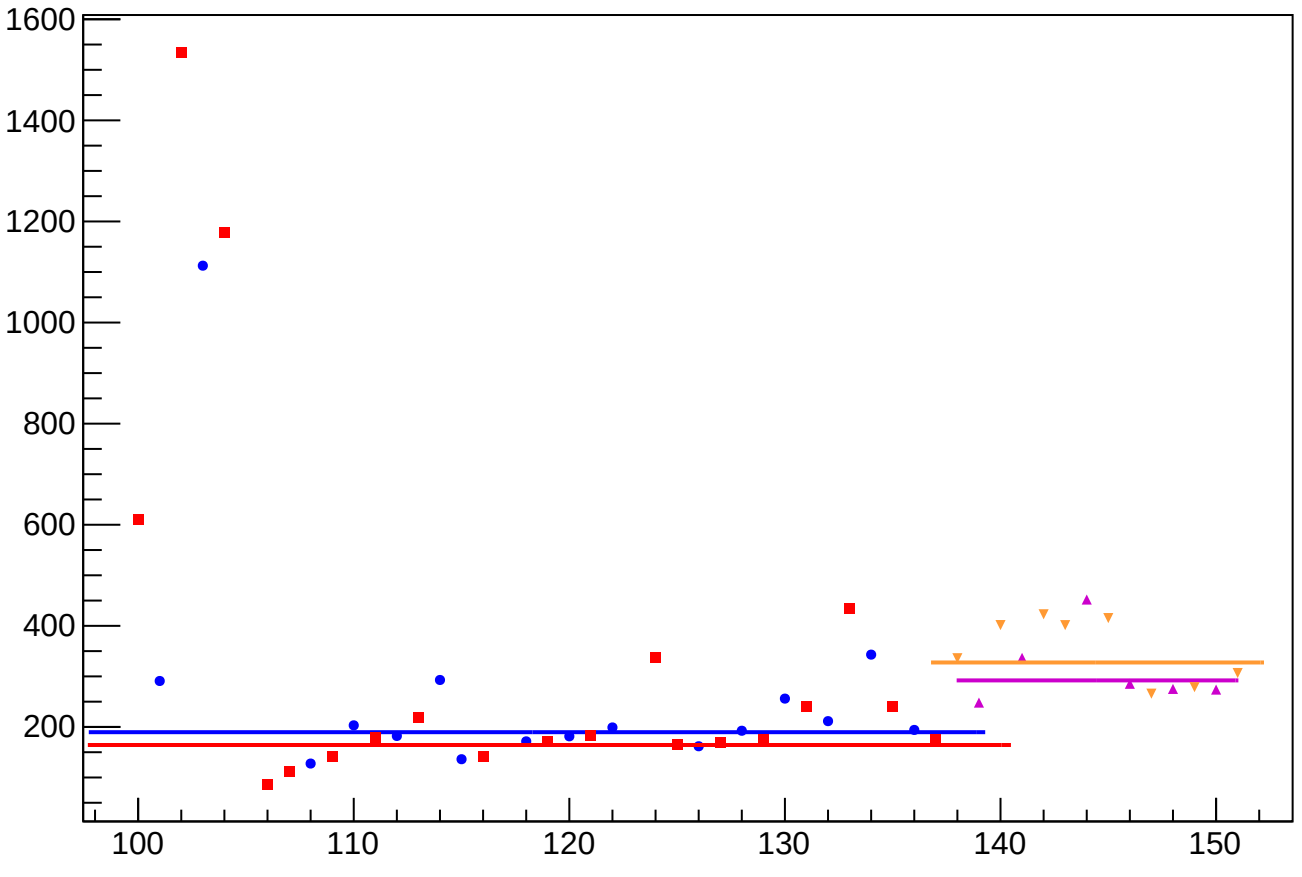
Left: 0.005+/-0.094 χ^2/NDF: 19.7/13

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.102+/-0.066 χ^2/NDF:23.0/21

Out: 0.092+/-0.062 χ^2/NDF:37.0/26

All: 0.001+/-0.045 χ^2/NDF: 64.6/48



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 327.528+/-0.096 χ^2/NDF:371220.1/7

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 292.075+/-0.093 χ^2/NDF:317433.2/5

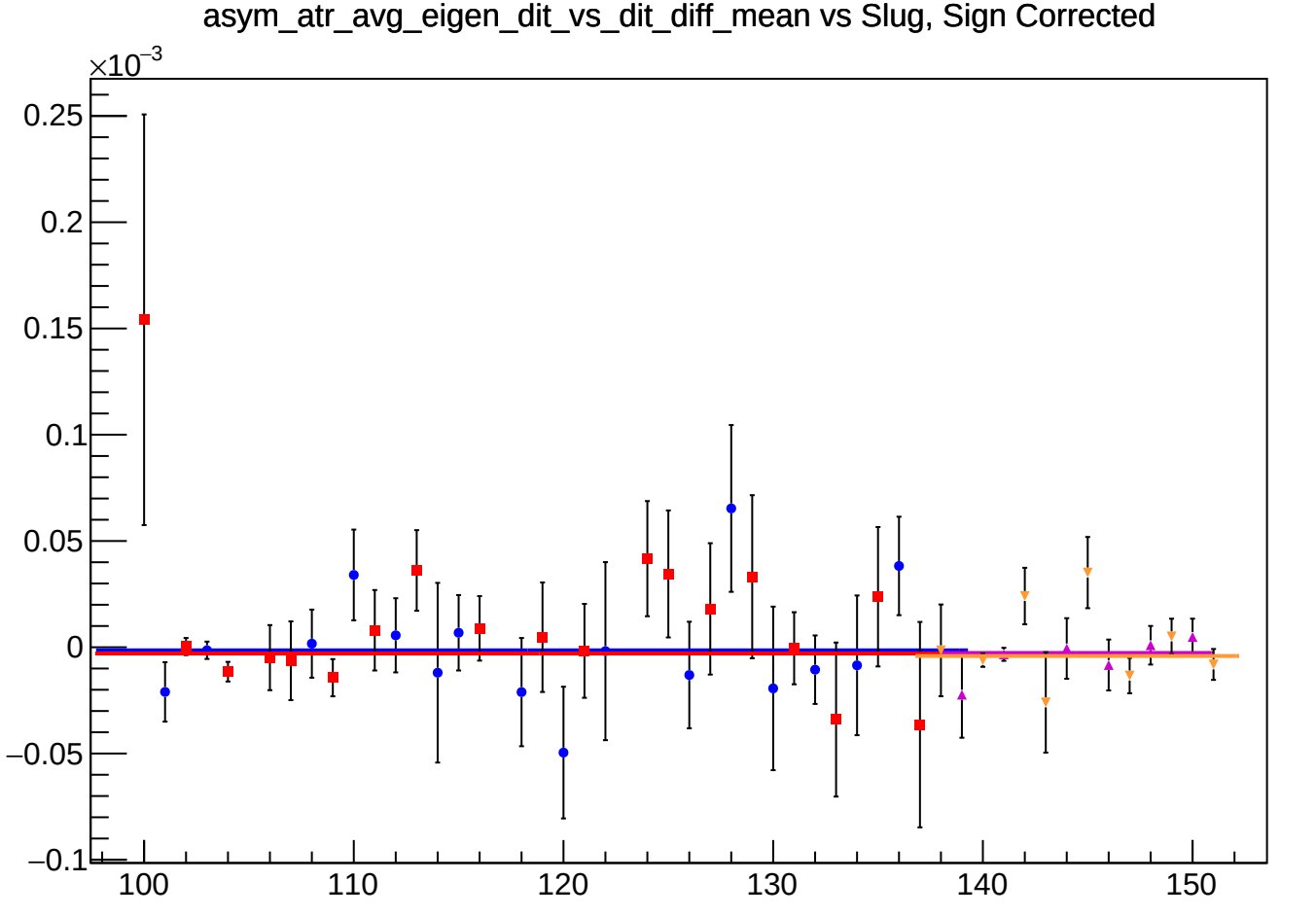
Left: 309.243+/-0.067 χ^2/NDF: 759428.8/13

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 215.774+/-0.047 χ^2/NDF:2691902.7/21

Out: 198.748+/-0.044 χ^2/NDF:5309934.8/26

All: 206.723+/-0.032 χ^2/NDF: 8072053.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/5

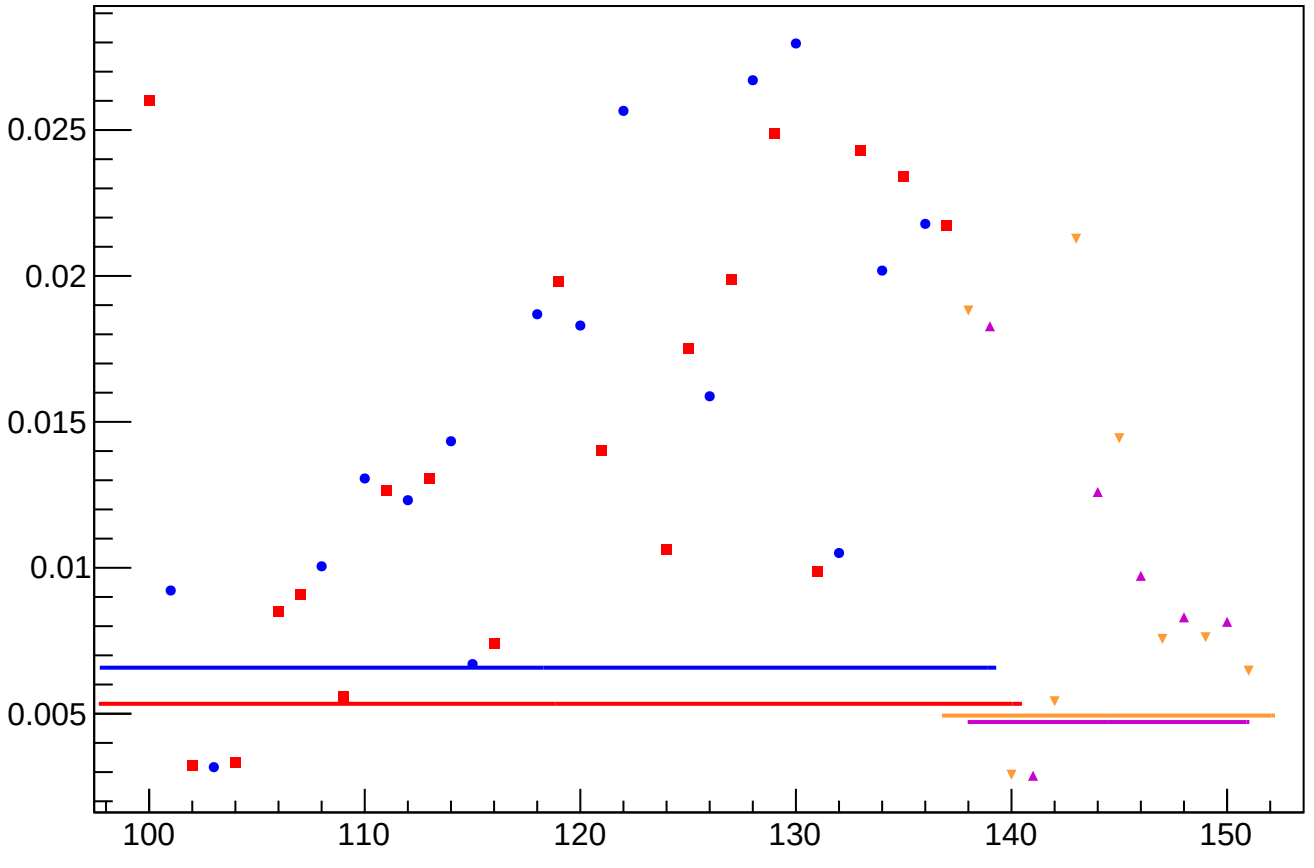
Left: -0.000+/-0.000 χ^2/NDF: 16.3/13

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:17.1/21

Out: -0.000+/-0.000 χ^2/NDF:35.4/26

All: -0.000+/-0.000 χ^2/NDF: 52.7/48



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:3741068.1/7

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.005+/-0.000 χ^2/NDF:3212181.3/5

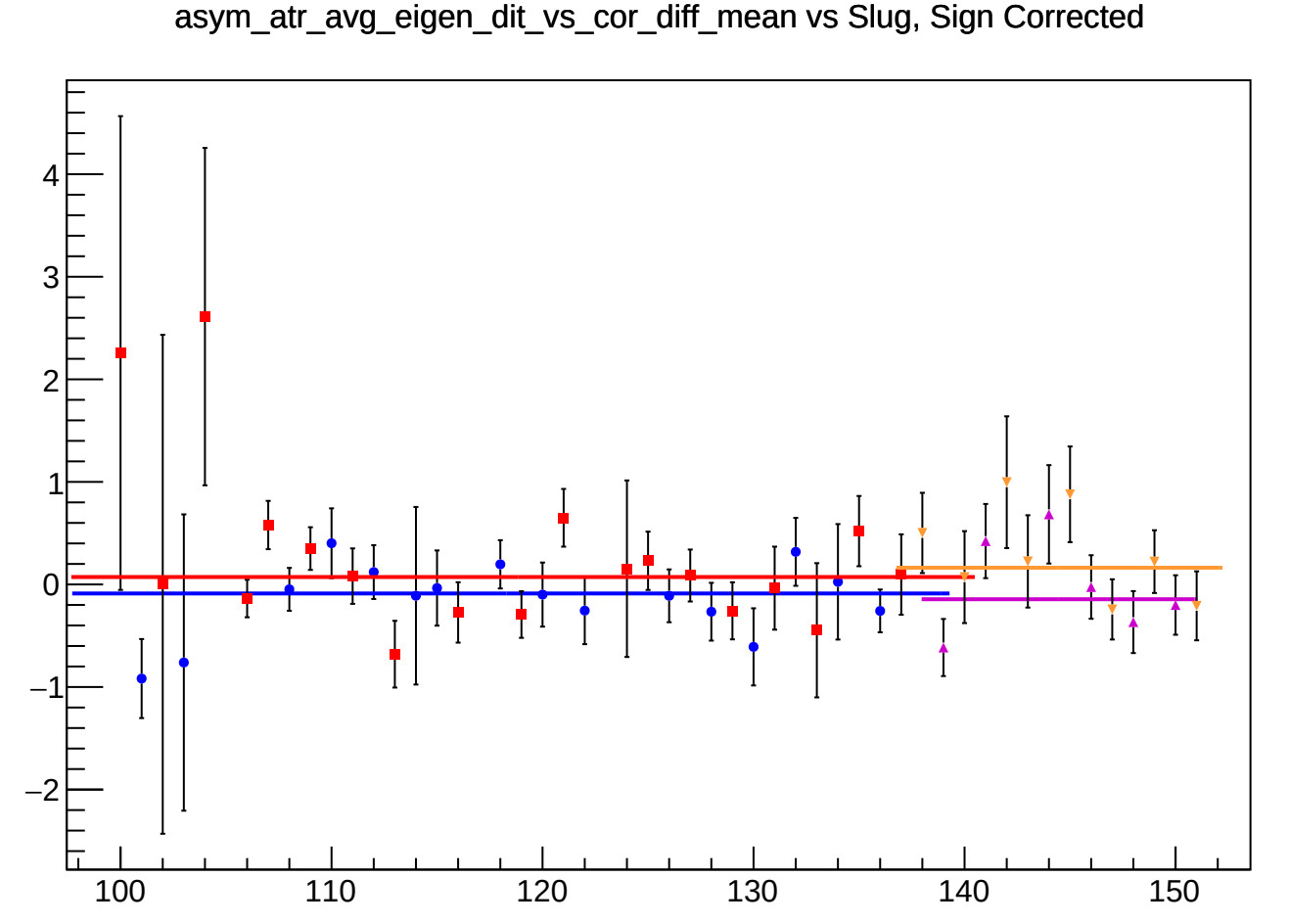
Left: 0.005+/-0.000 χ^2/NDF: 6960786.3/13

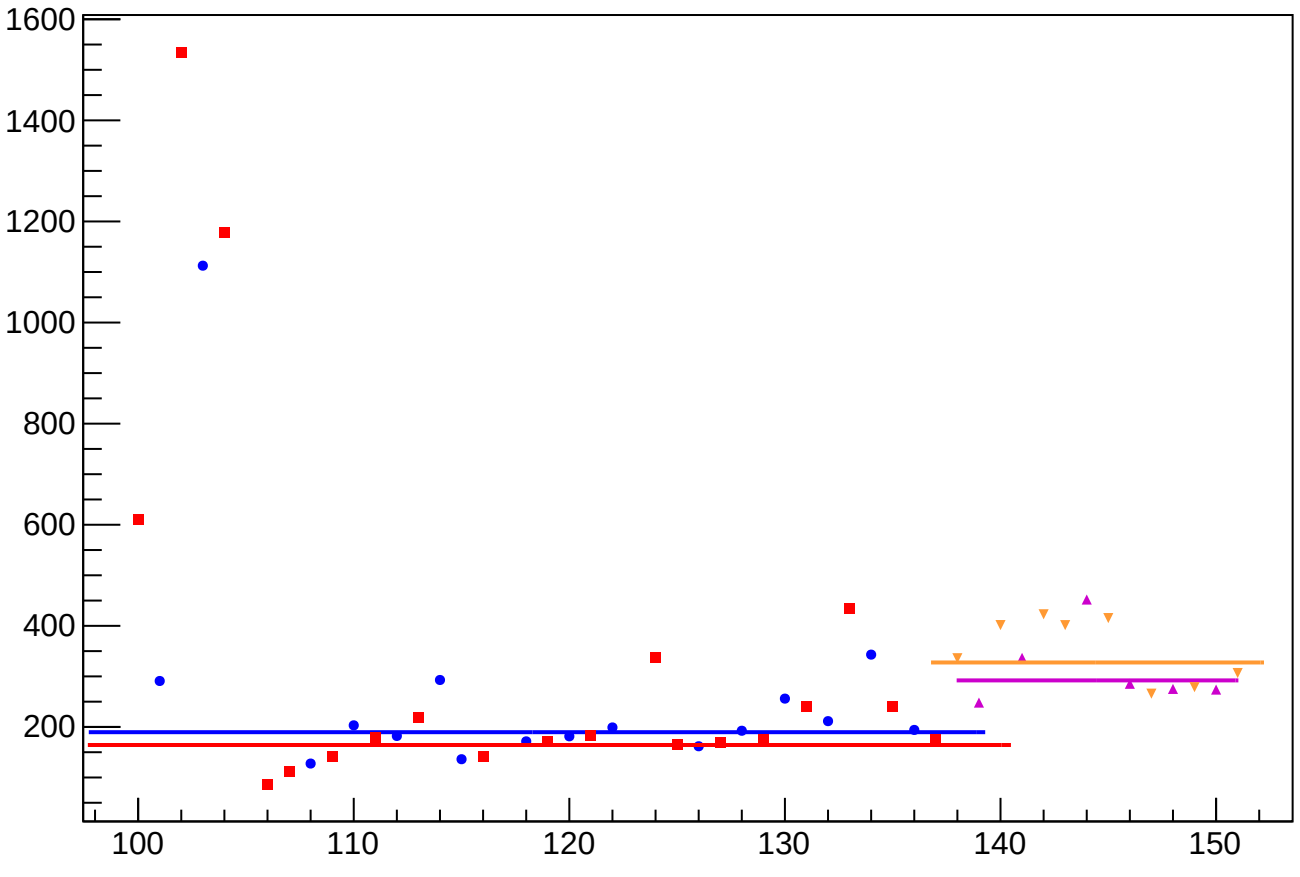
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:9530216.5/21

Out: 0.005+/-0.000 χ^2/NDF:9452354.1/26

All: 0.005+/-0.000 χ^2/NDF: 19006066.6/48


asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.163+/-0.135 χ²/NDF:8.0/7
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.144+/-0.131 χ²/NDF:9.0/5
Left: 0.005+/-0.094 χ²/NDF: 19.7/13
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.102+/-0.066 χ²/NDF:23.0/21
Out: 0.092+/-0.062 χ²/NDF:37.0/26
All: 0.001+/-0.045 χ²/NDF: 64.6/48



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 327.532+/-0.096 χ^2/NDF:371206.8/7

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 292.080+/-0.093 χ^2/NDF:317419.9/5

Left: 309.248+/-0.067 χ^2/NDF: 759399.6/13

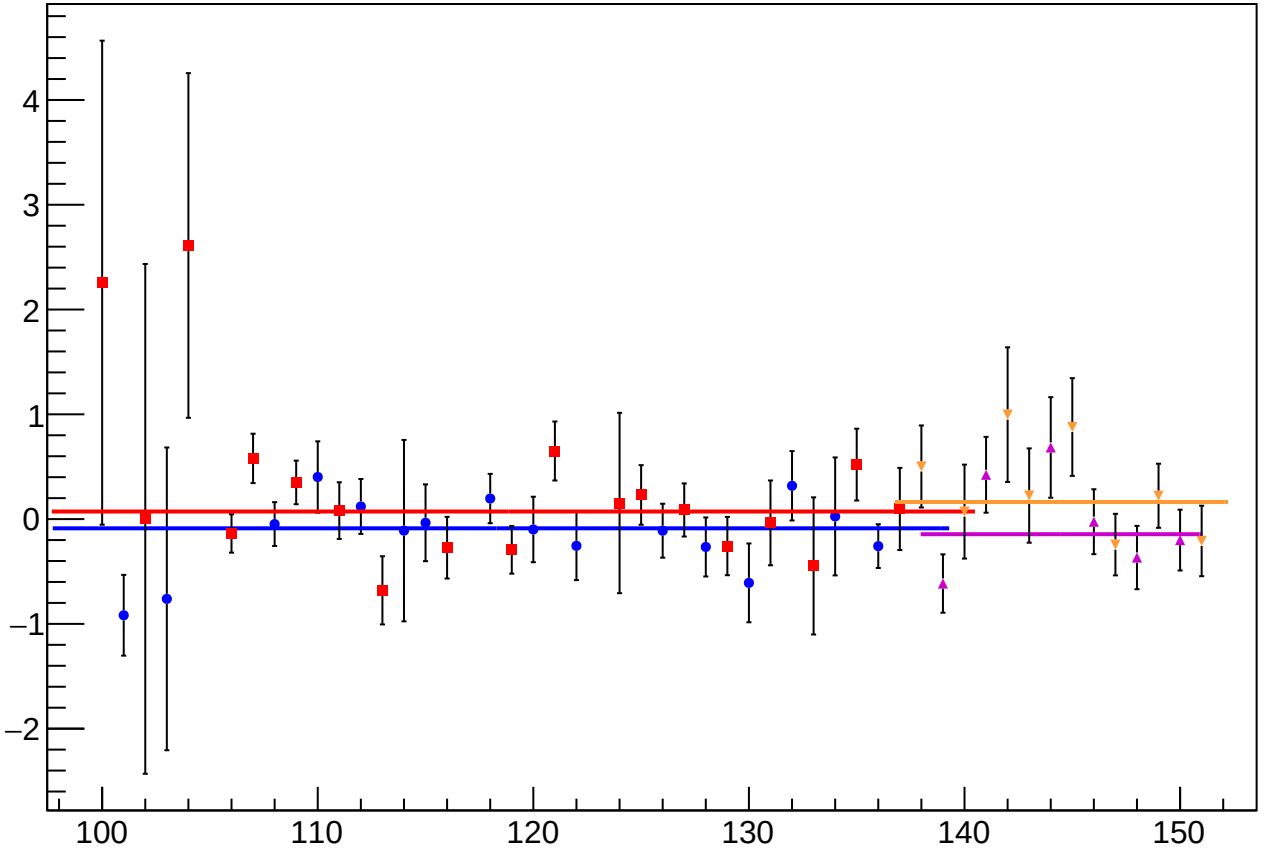
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 215.774+/-0.047 χ^2/NDF:2691953.5/21

Out: 198.748+/-0.044 χ^2/NDF:5310004.4/26

All: 206.722+/-0.032 χ^2/NDF: 8072178.5/48

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: 0.163+/-0.135 χ^2/NDF:8.0/7

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.144+/-0.131 χ^2/NDF:9.0/5

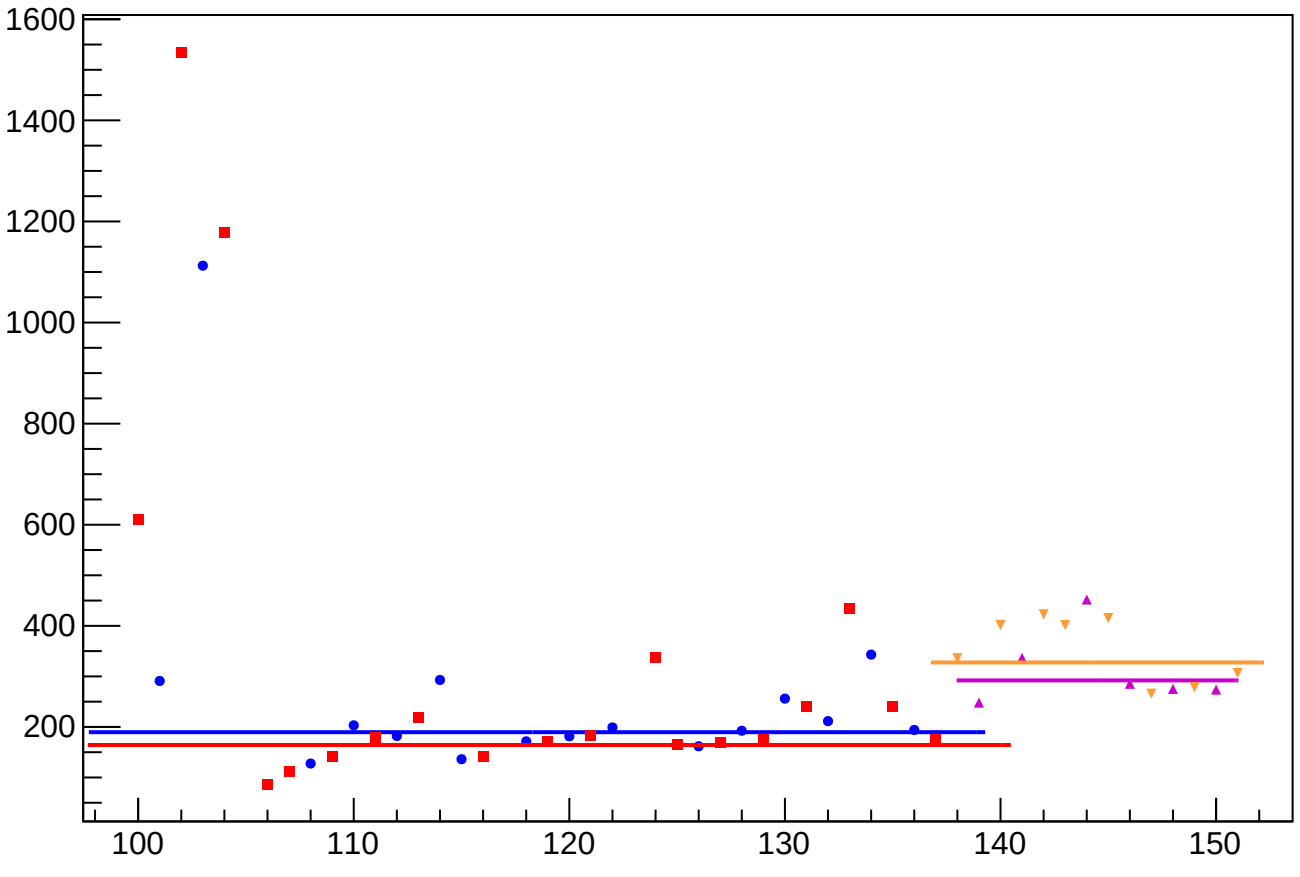
Left: 0.005+/-0.094 χ^2/NDF: 19.7/13

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.102+/-0.066 χ^2/NDF:23.0/21

Out: 0.092+/-0.062 χ^2/NDF:37.0/26

All: 0.001+/-0.045 χ^2/NDF: 64.6/48



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 327.532+/-0.096 χ^2/NDF:371206.8/7

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 292.080+/-0.093 χ^2/NDF:317419.9/5

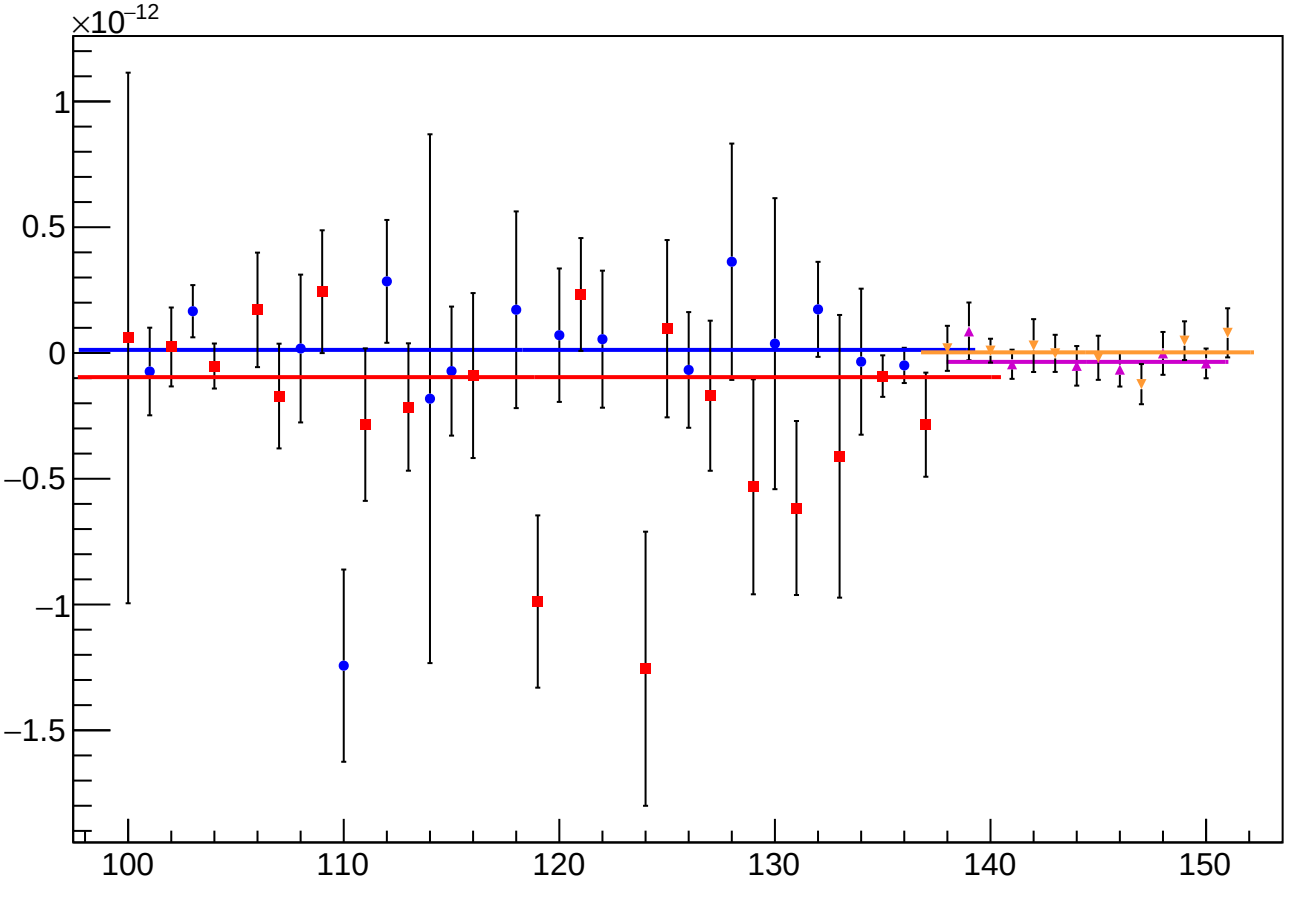
Left: 309.248+/-0.067 χ^2/NDF: 759399.6/13

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 215.774+/-0.047 χ^2/NDF:2691953.5/21

Out: 198.748+/-0.044 χ^2/NDF:5310004.4/26

All: 206.722+/-0.032 χ^2/NDF: 8072178.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.6/5

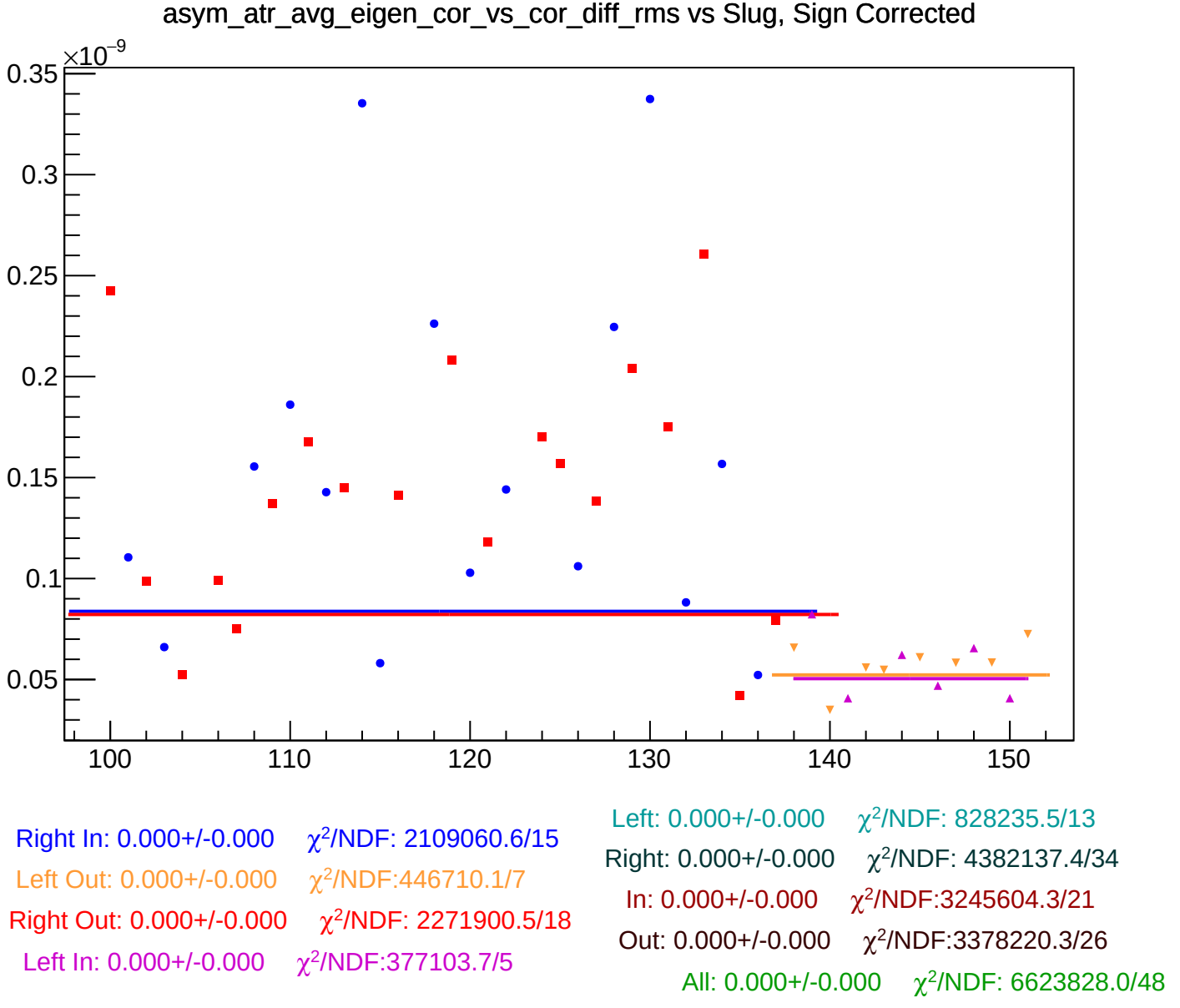
Left: -0.000+/-0.000 χ^2/NDF: 6.2/13

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

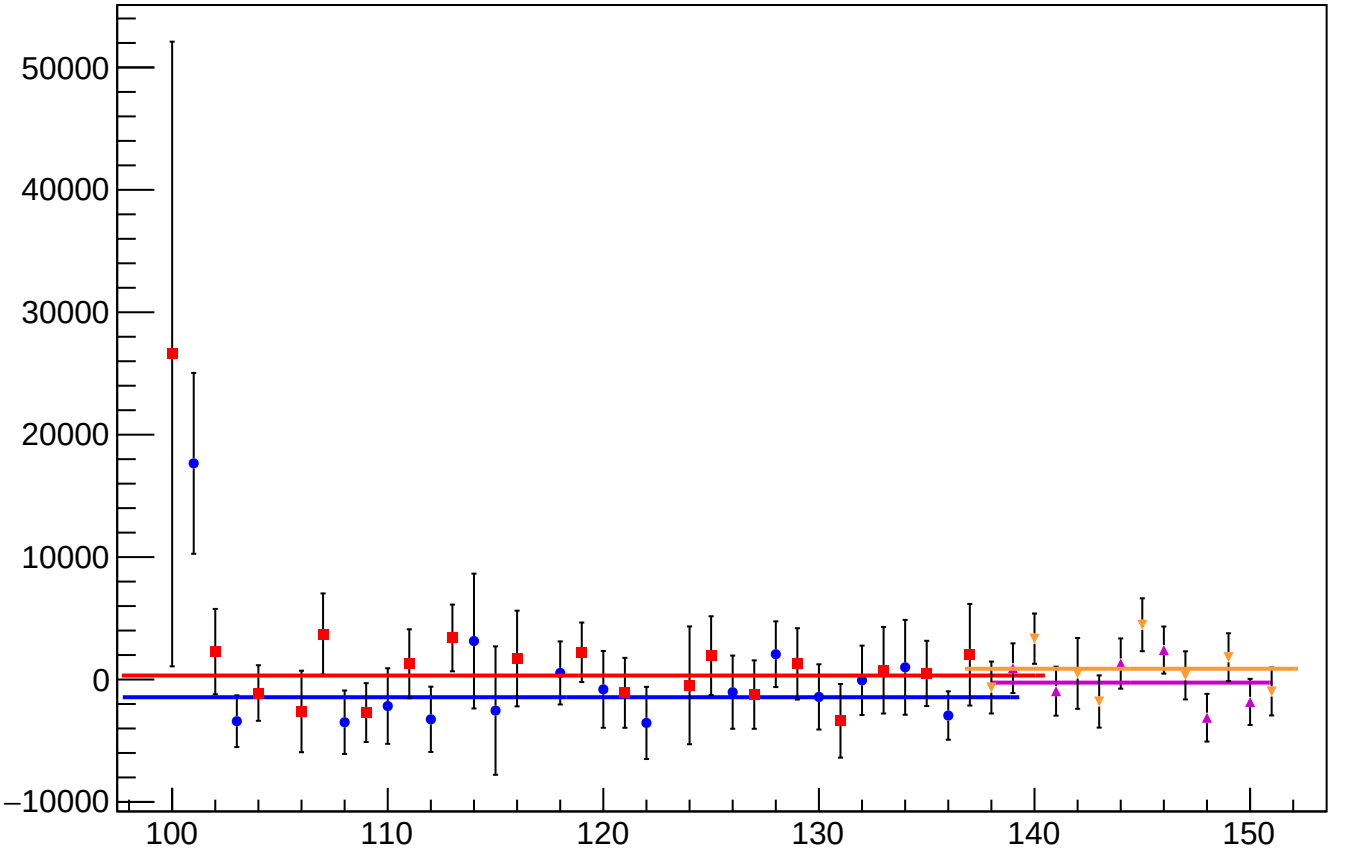
In: -0.000+/-0.000 χ^2/NDF:19.4/21

Out: -0.000+/-0.000 χ^2/NDF:30.4/26

All: -0.000+/-0.000 χ^2/NDF: 49.8/48


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2109060.6/15
Left Out: 0.000+/-0.000 χ²/NDF:446710.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 2271900.5/18
Left In: 0.000+/-0.000 χ²/NDF:377103.7/5
Left: 0.000+/-0.000 χ²/NDF: 828235.5/13
Right: 0.000+/-0.000 χ²/NDF: 4382137.4/34
In: 0.000+/-0.000 χ²/NDF:3245604.3/21
Out: 0.000+/-0.000 χ²/NDF:3378220.3/26
All: 0.000+/-0.000 χ²/NDF: 6623828.0/48

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 880.362+/-746.426 χ^2/NDF:7.5/7

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -253.248+/-804.288 χ^2/NDF:5.8/5

Left: 355.797+/-547.116 χ^2/NDF: 14.4/13

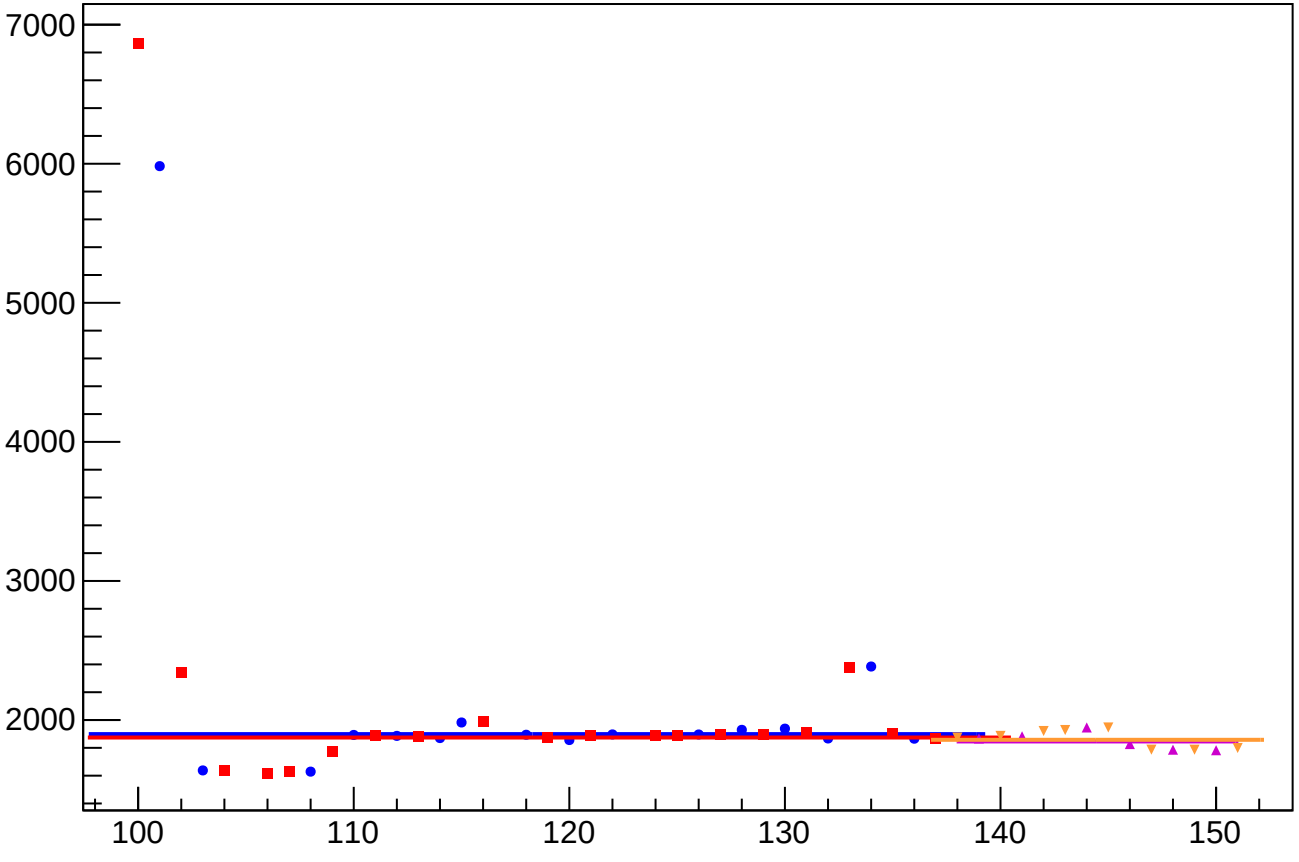
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -913.115+/-537.745 χ^2/NDF:20.5/21

Out: 586.400+/-511.624 χ^2/NDF:17.8/26

All: -126.055+/-370.663 χ^2/NDF: 42.4/48

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1857.788+/-0.528 χ^2/NDF:14039.8/7

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1845.975+/-0.569 χ^2/NDF:9994.0/5

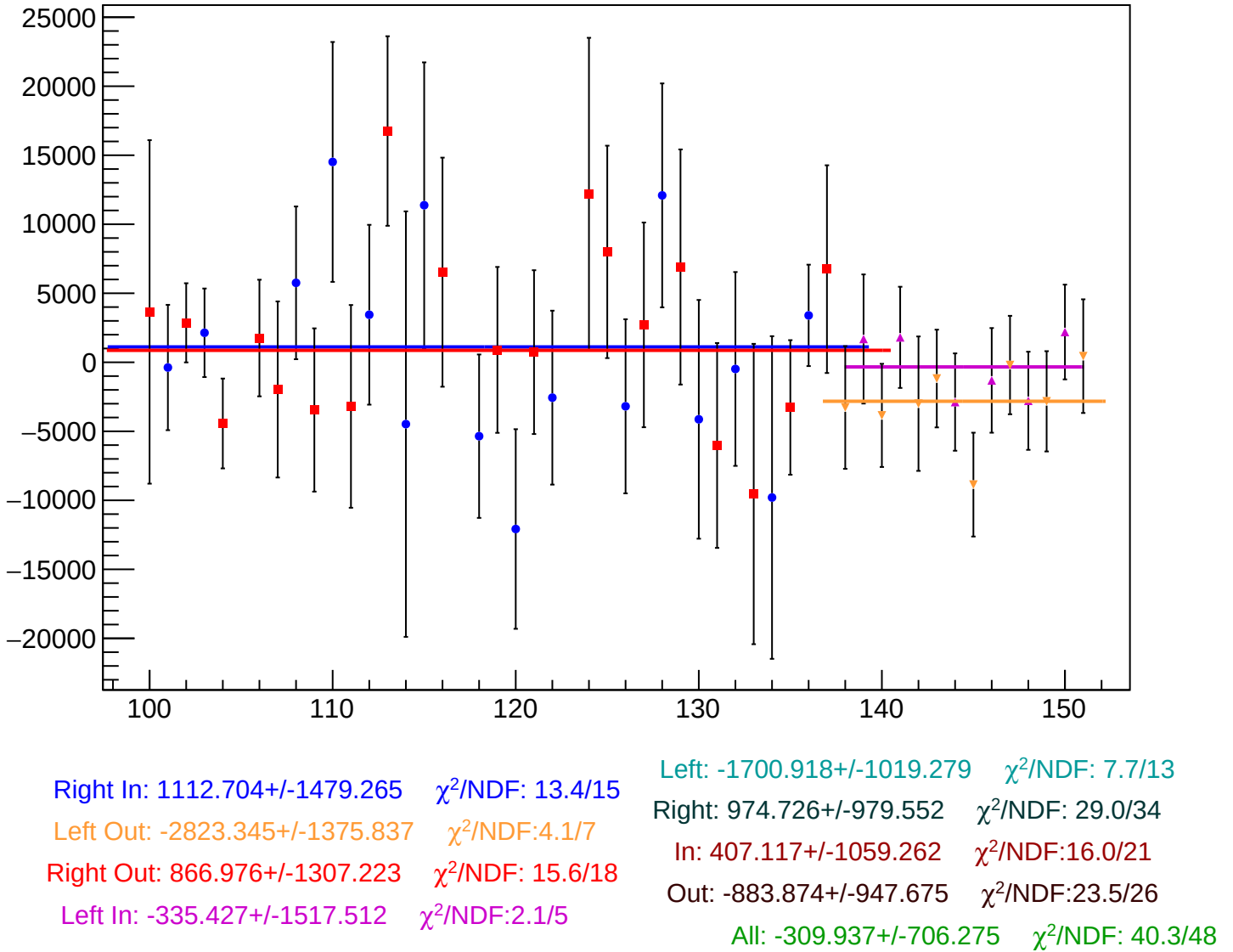
Left: 1852.322+/-0.387 χ^2/NDF: 24265.7/13

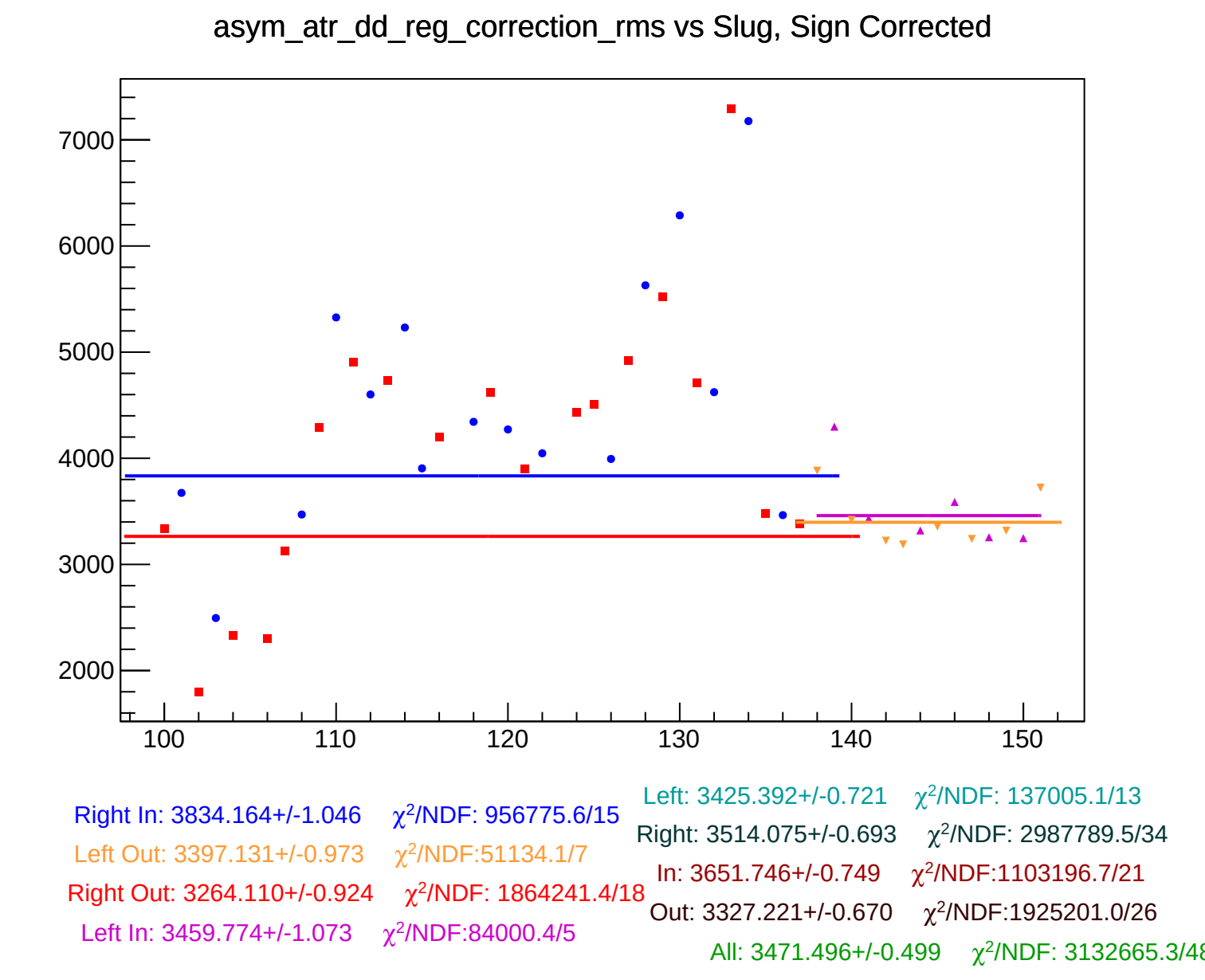
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1875.200+/-0.380 χ^2/NDF:712283.8/21

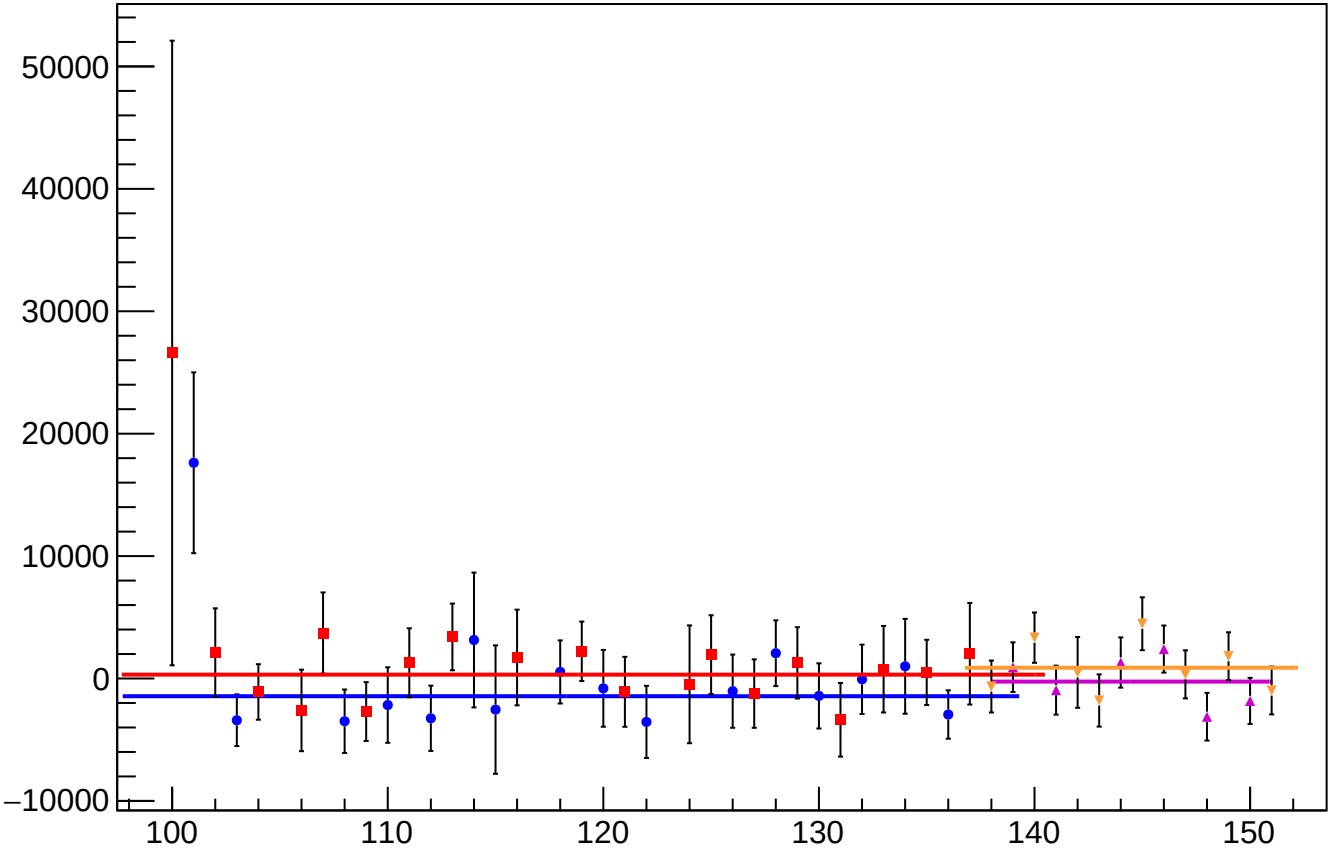
Out: 1866.544+/-0.361 χ^2/NDF:222215.0/26

All: 1870.649+/-0.262 χ^2/NDF: 934771.3/48


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -2823.345+/-1375.837 χ²/NDF:4.1/7
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -335.427+/-1517.512 χ²/NDF:2.1/5
Left: -1700.918+/-1019.279 χ²/NDF: 7.7/13
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 407.117+/-1059.262 χ²/NDF:16.0/21
Out: -883.874+/-947.675 χ²/NDF:23.5/26
All: -309.937+/-706.275 χ²/NDF: 40.3/48


asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3834.164+/-1.046 χ²/NDF: 956775.6/15
Left Out: 3397.131+/-0.973 χ²/NDF:51134.1/7
Right Out: 3264.110+/-0.924 χ²/NDF: 1864241.4/18
Left In: 3459.774+/-1.073 χ²/NDF:84000.4/5
Left: 3425.392+/-0.721 χ²/NDF: 137005.1/13
Right: 3514.075+/-0.693 χ²/NDF: 2987789.5/34
In: 3651.746+/-0.749 χ²/NDF:1103196.7/21
Out: 3327.221+/-0.670 χ²/NDF:1925201.0/26
All: 3471.496+/-0.499 χ²/NDF: 3132665.3/48

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 880.469+/-746.426 χ^2/NDF:7.5/7

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -253.221+/-804.288 χ^2/NDF:5.8/5

Left: 355.866+/-547.116 χ^2/NDF: 14.4/13

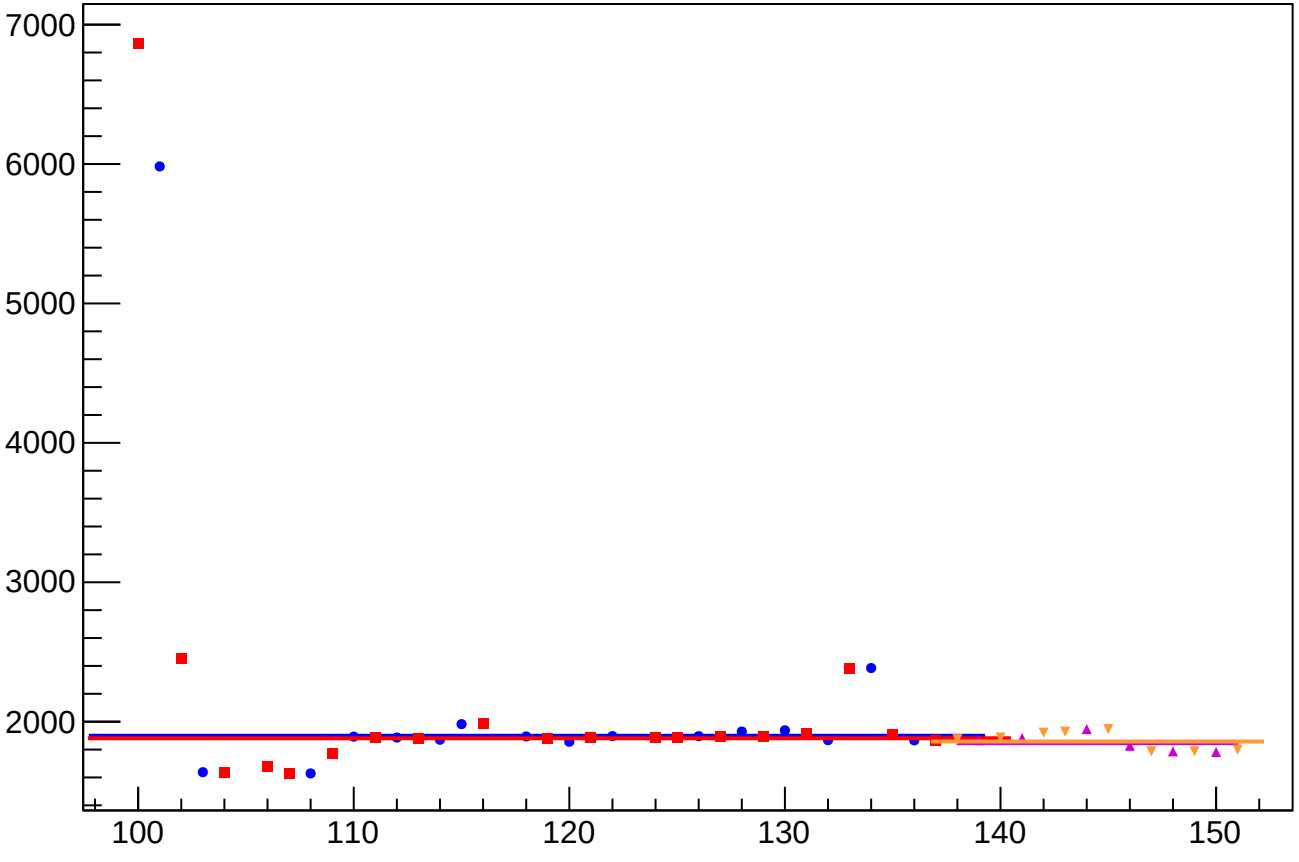
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -913.317+/-537.745 χ^2/NDF:20.5/21

Out: 581.291+/-511.990 χ^2/NDF:17.7/26

All: -129.365+/-370.802 χ^2/NDF: 42.3/48

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1857.788+/-0.528 χ^2/NDF:14039.8/7

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1845.975+/-0.569 χ^2/NDF:9994.0/5

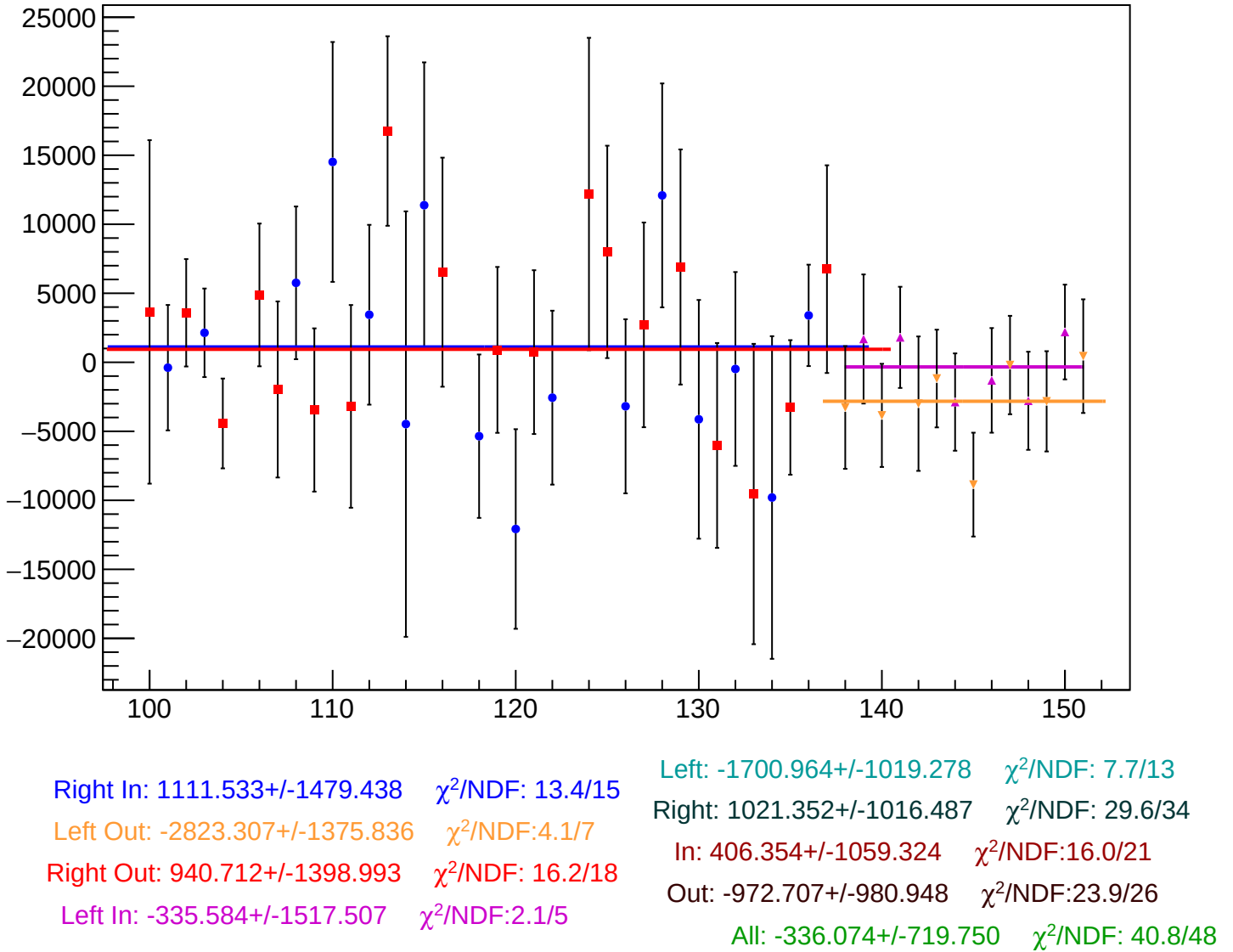
Left: 1852.322+/-0.387 χ^2/NDF: 24265.7/13

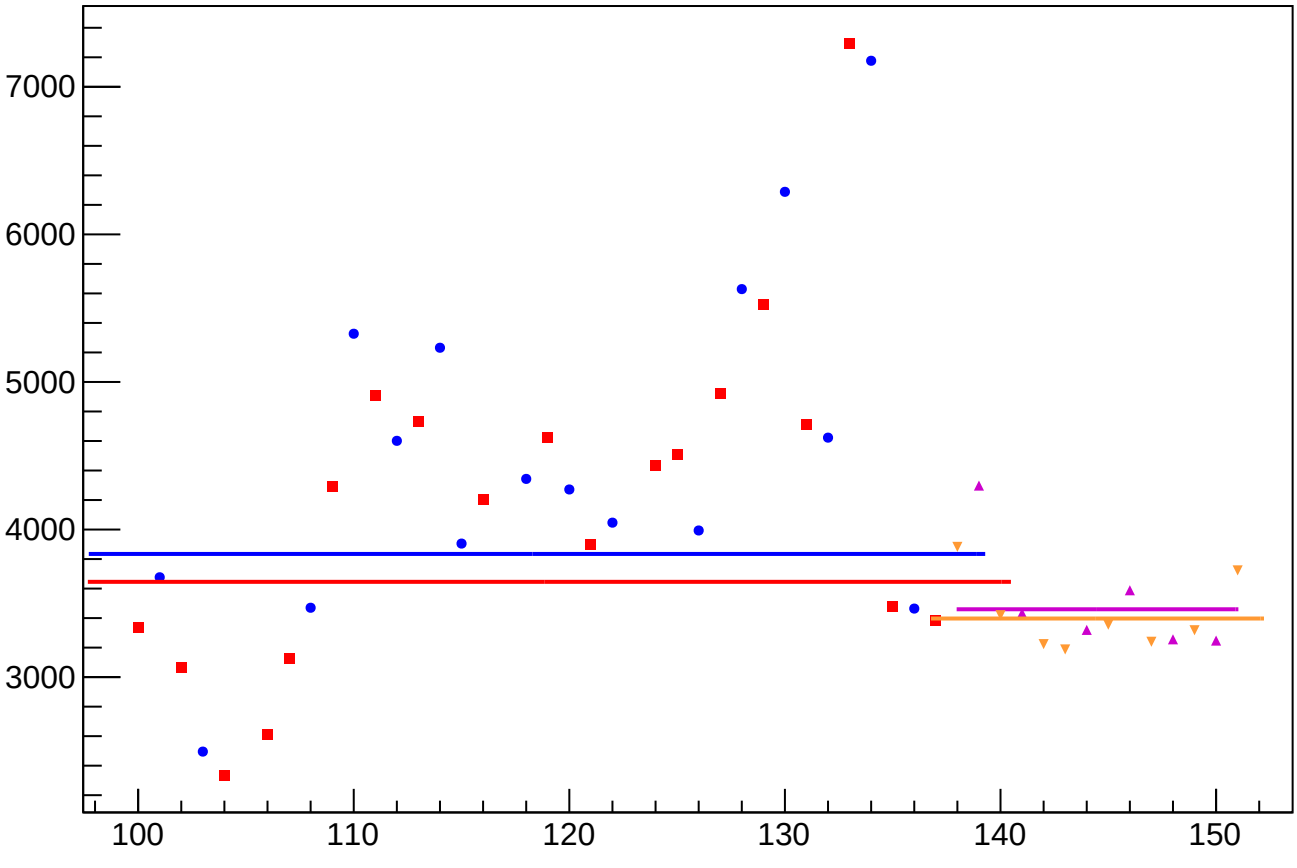
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1875.200+/-0.380 χ^2/NDF:712283.9/21

Out: 1870.101+/-0.362 χ^2/NDF:231630.4/26

All: 1872.523+/-0.262 χ^2/NDF: 944008.7/48


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -2823.307+/-1375.836 χ²/NDF:4.1/7
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -335.584+/-1517.507 χ²/NDF:2.1/5
Left: -1700.964+/-1019.278 χ²/NDF: 7.7/13
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 406.354+/-1059.324 χ²/NDF:16.0/21
Out: -972.707+/-980.948 χ²/NDF:23.9/26
All: -336.074+/-719.750 χ²/NDF: 40.8/48



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3397.129+/-0.973 χ^2/NDF:51138.2/7

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3459.763+/-1.073 χ^2/NDF:84000.5/5

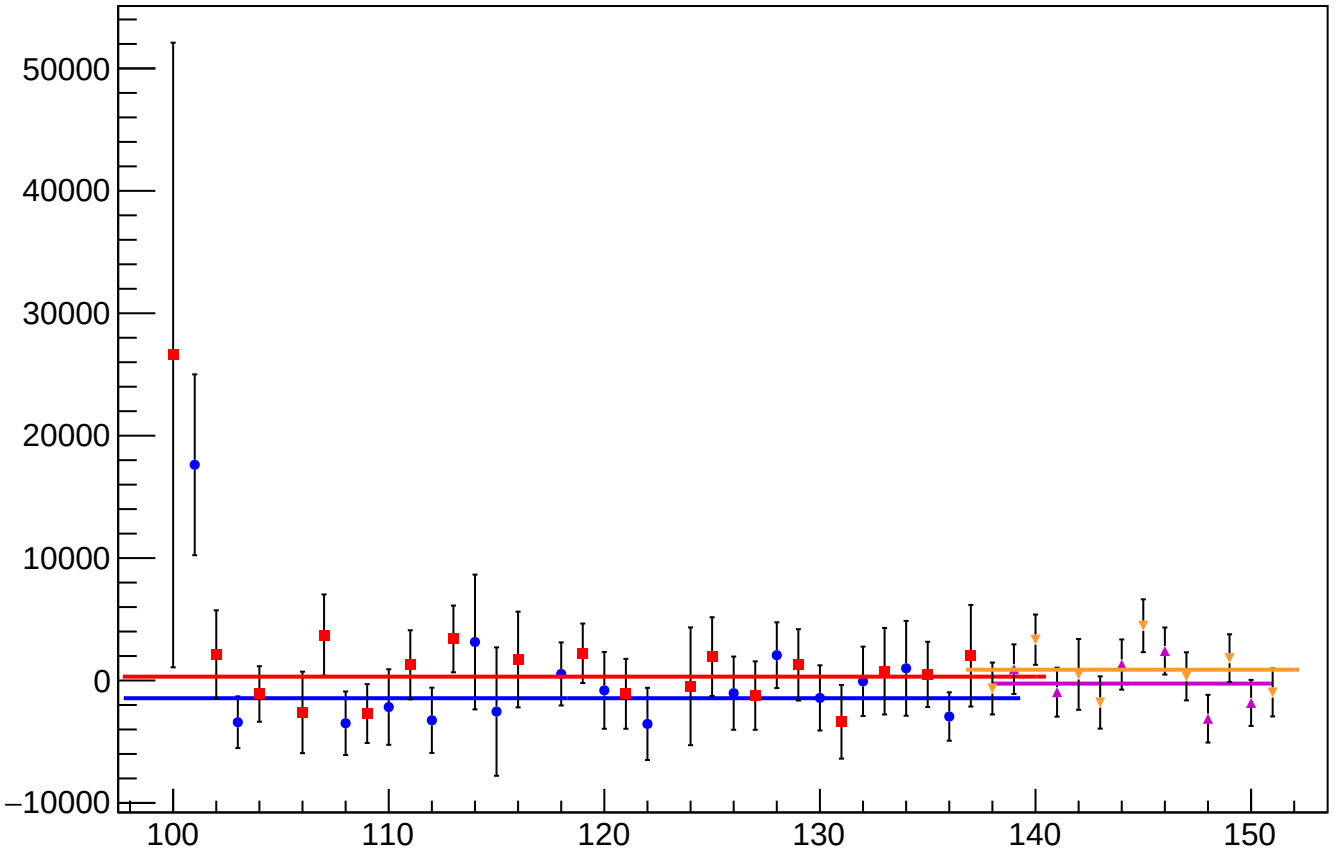
Left: 3425.387+/-0.721 χ^2/NDF: 137008.7/13

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3651.988+/-0.749 χ^2/NDF:1102905.6/21

Out: 3519.335+/-0.694 χ^2/NDF:1208213.2/26

All: 3580.574+/-0.509 χ^2/NDF: 2328002.9/48



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 880.469+/-746.426 χ^2/NDF:7.5/7

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -253.221+/-804.288 χ^2/NDF:5.8/5

Left: 355.866+/-547.116 χ^2/NDF: 14.4/13

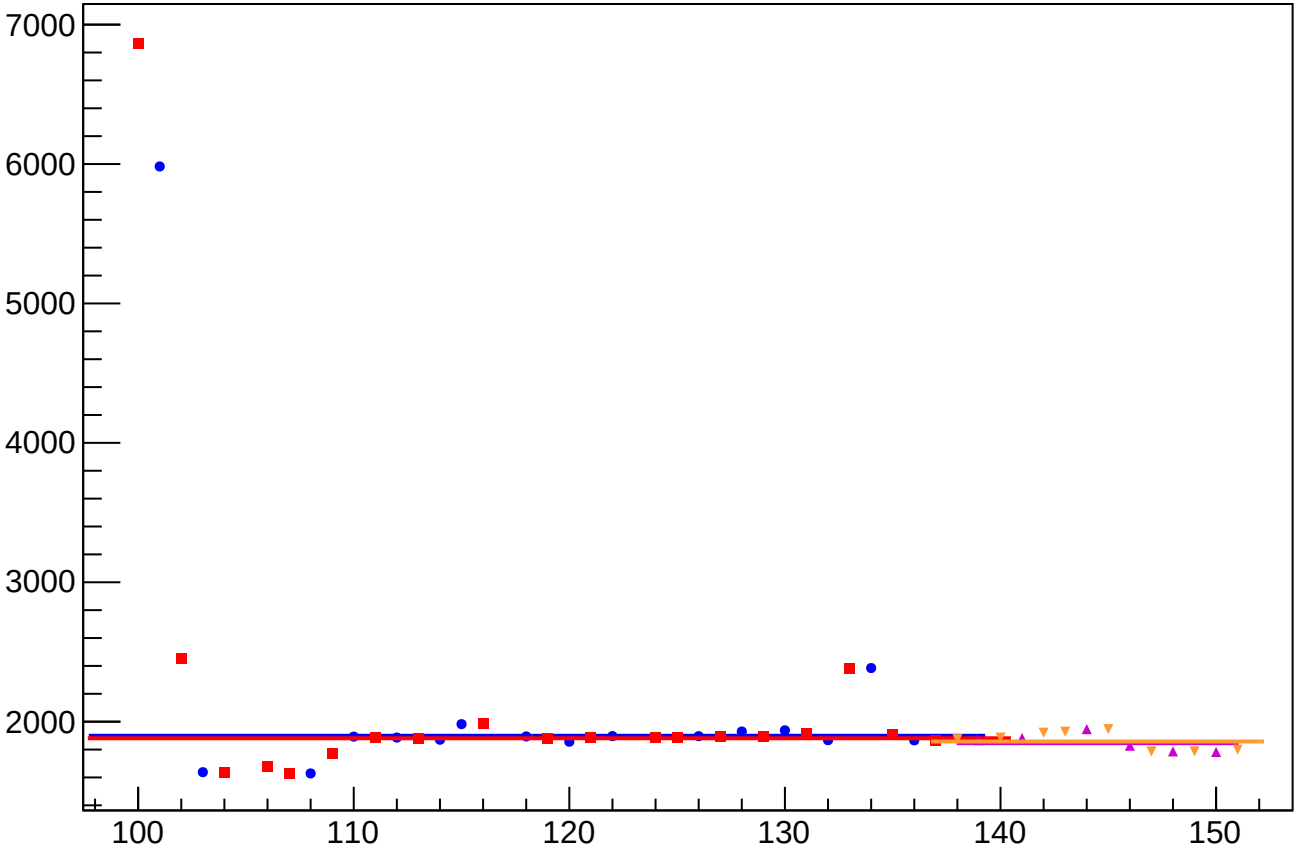
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -913.317+/-537.745 χ^2/NDF:20.5/21

Out: 581.291+/-511.990 χ^2/NDF:17.7/26

All: -129.365+/-370.802 χ^2/NDF: 42.3/48

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1857.788+/-0.528 χ^2/NDF:14039.8/7

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1845.975+/-0.569 χ^2/NDF:9994.0/5

Left: 1852.322+/-0.387 χ^2/NDF: 24265.7/13

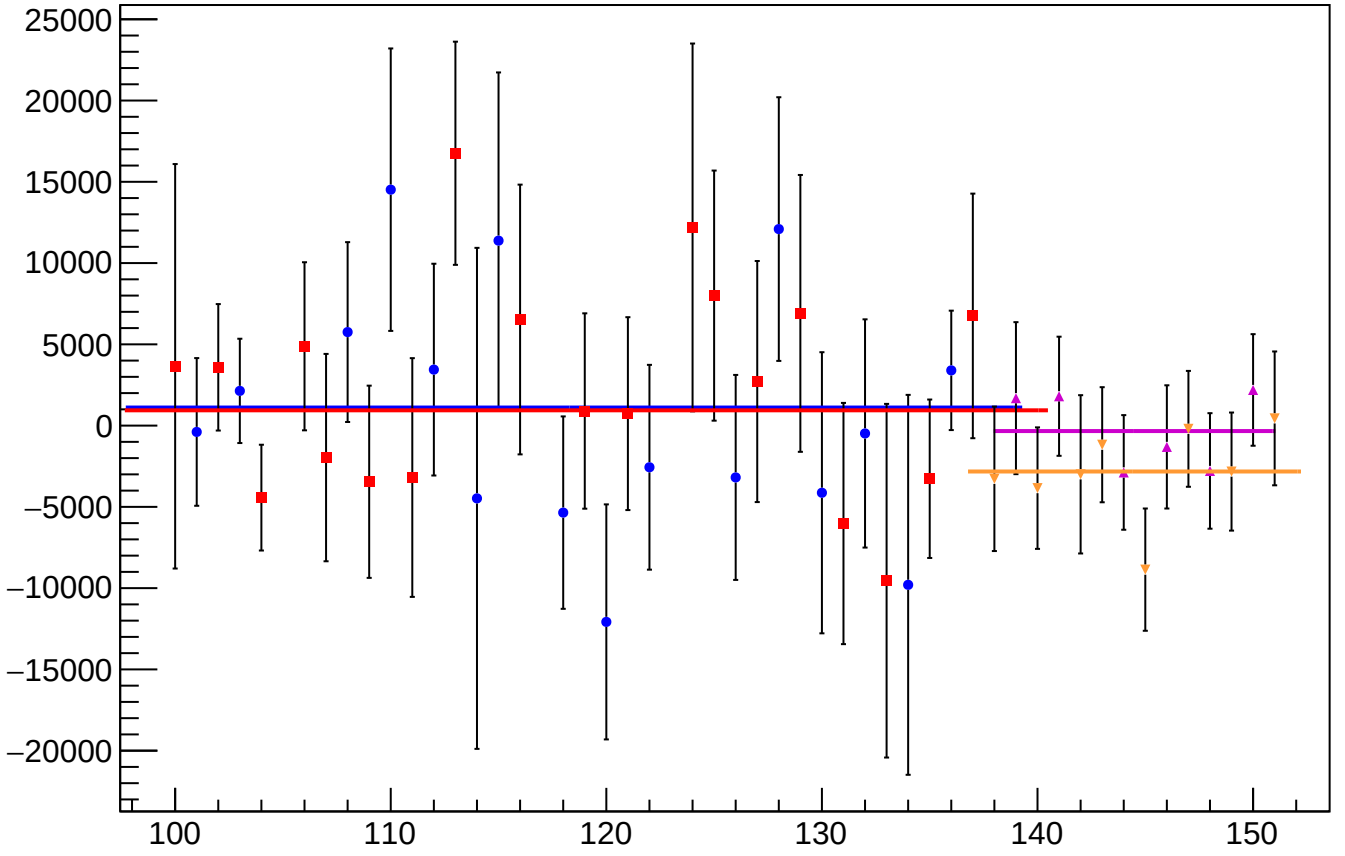
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1875.200+/-0.380 χ^2/NDF:712283.9/21

Out: 1870.101+/-0.362 χ^2/NDF:231630.4/26

All: 1872.523+/-0.262 χ^2/NDF: 944008.7/48

asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2823.307+/-1375.836 χ^2/NDF:4.1/7

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -335.584+/-1517.507 χ^2/NDF:2.1/5

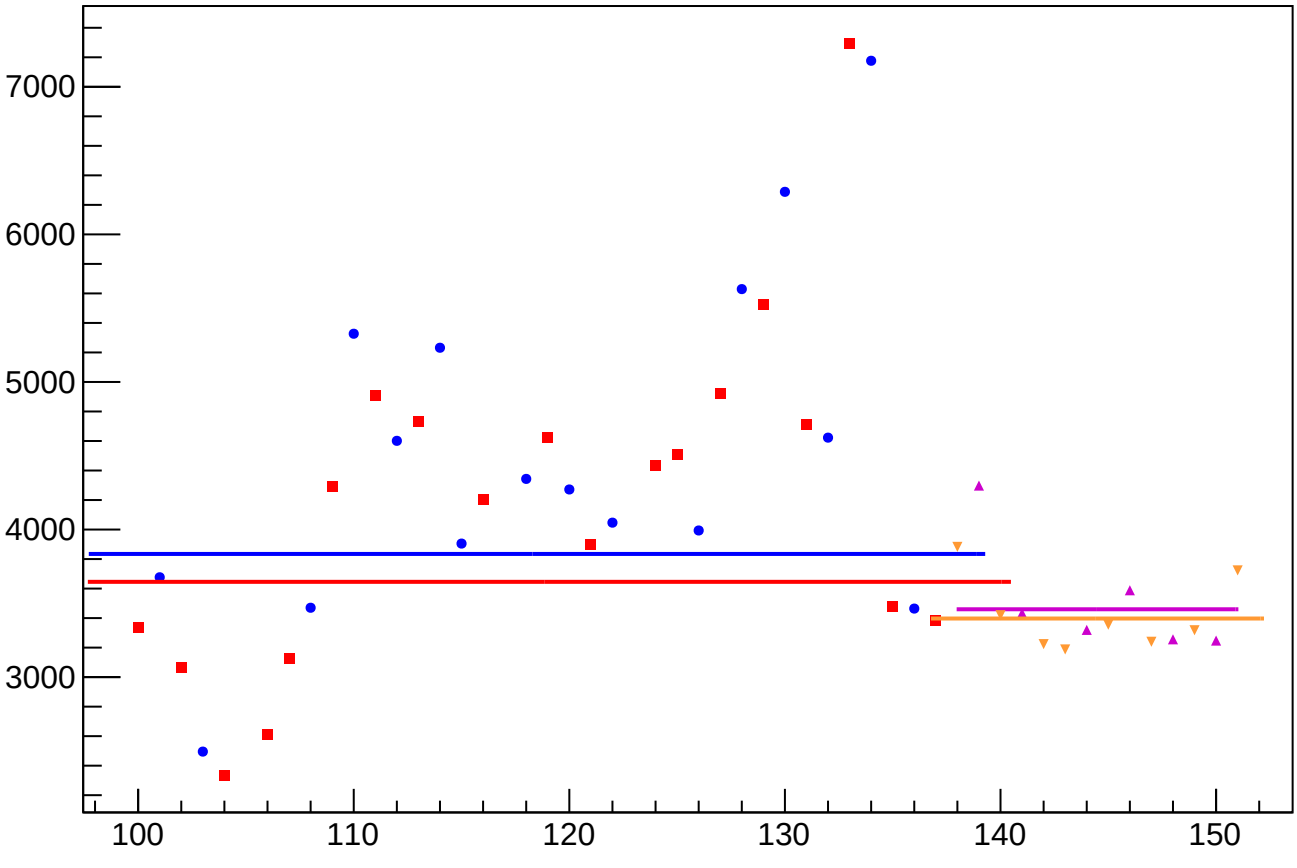
Left: -1700.964+/-1019.278 χ^2/NDF: 7.7/13

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 406.354+/-1059.324 χ^2/NDF:16.0/21

Out: -972.707+/-980.948 χ^2/NDF:23.9/26

All: -336.074+/-719.750 χ^2/NDF: 40.8/48



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3397.129+/-0.973 χ^2/NDF:51138.2/7

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3459.763+/-1.073 χ^2/NDF:84000.5/5

Left: 3425.387+/-0.721 χ^2/NDF: 137008.7/13

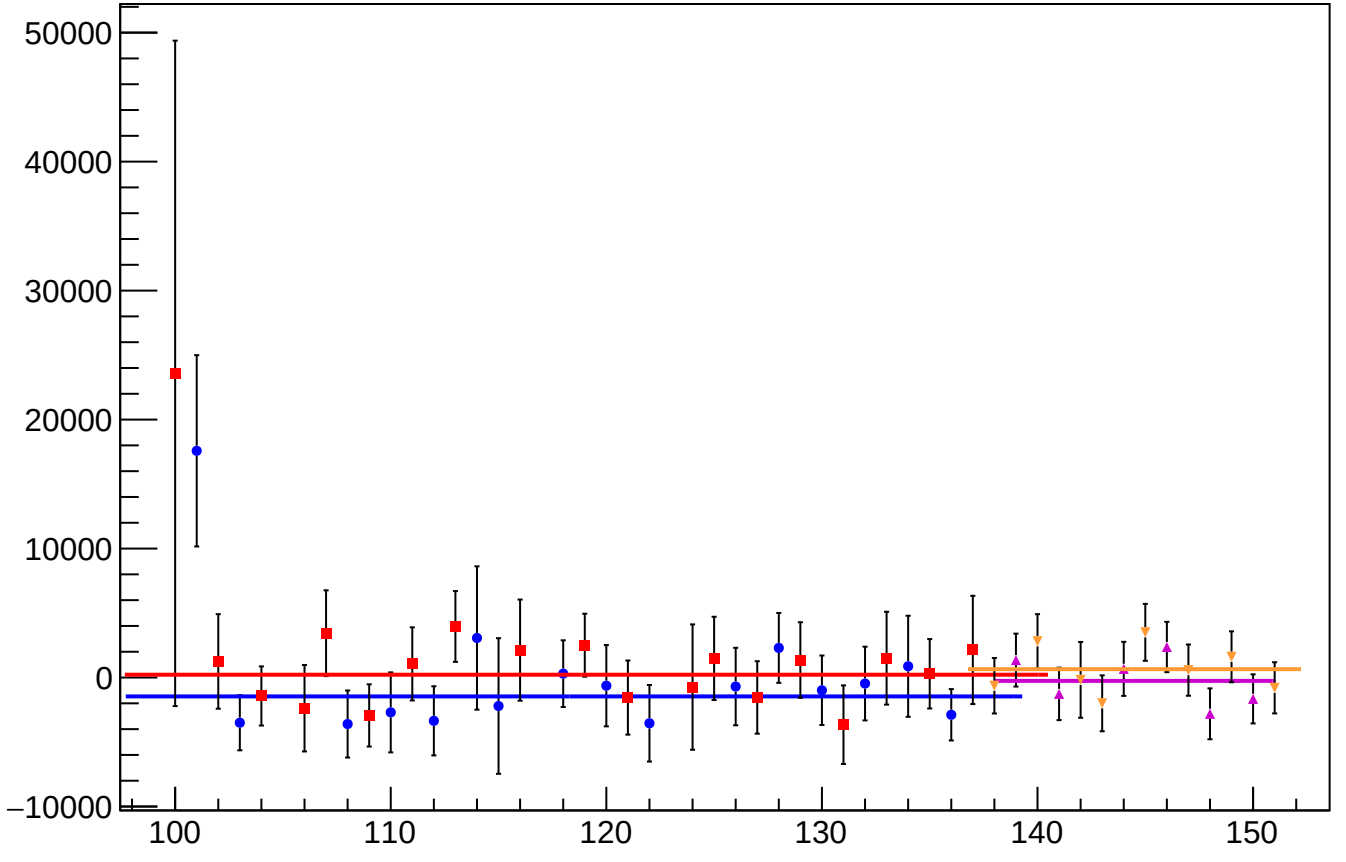
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3651.988+/-0.749 χ^2/NDF:1102905.6/21

Out: 3519.335+/-0.694 χ^2/NDF:1208213.2/26

All: 3580.574+/-0.509 χ^2/NDF: 2328002.9/48

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 649.280+/-758.010 χ^2/NDF:5.4/7

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -260.101+/-815.602 χ^2/NDF:5.1/5

Left: 227.827+/-555.239 χ^2/NDF: 11.2/13

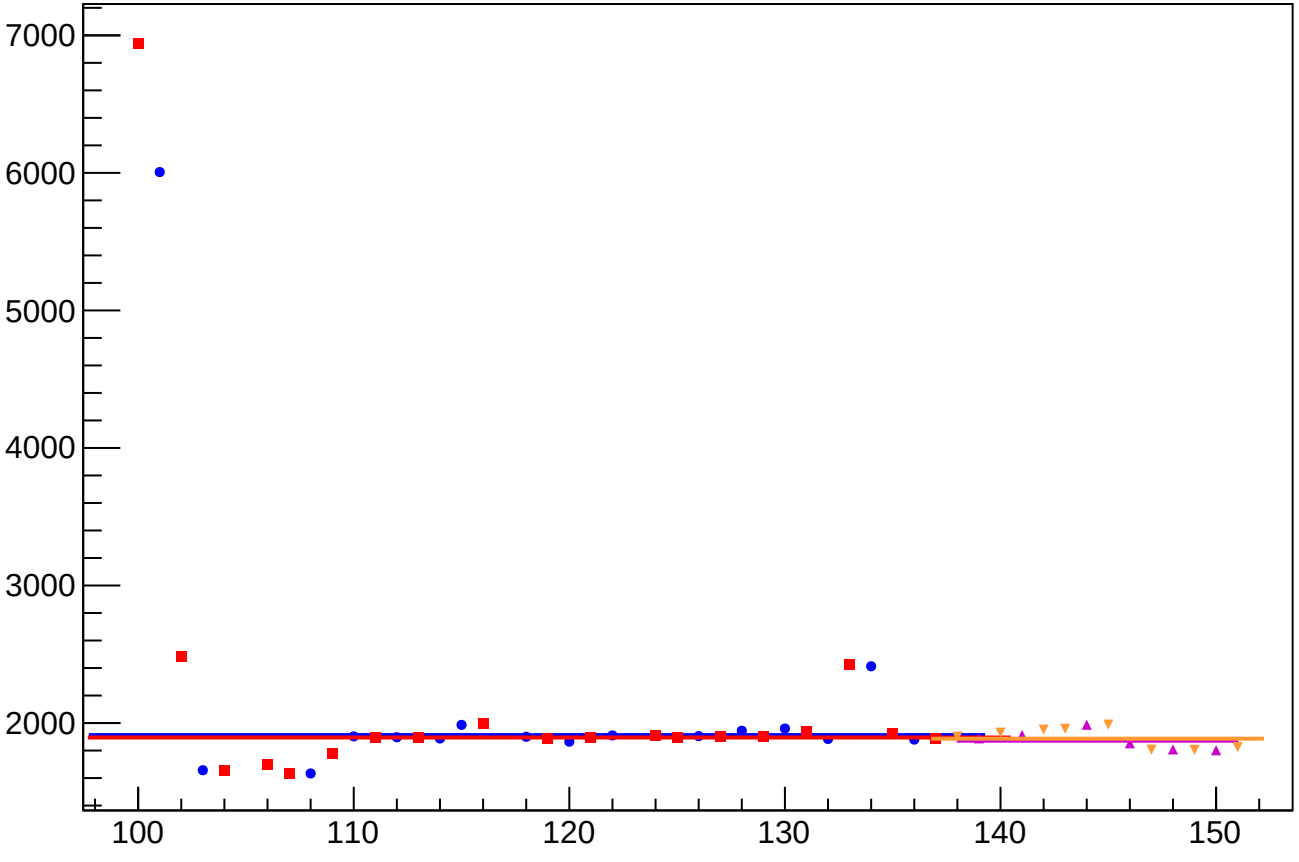
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -929.174+/-543.228 χ^2/NDF:19.9/21

Out: 420.124+/-517.741 χ^2/NDF:16.4/26

All: -222.131+/-374.784 χ^2/NDF: 39.5/48

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1886.335+/-0.536 χ^2/NDF:17042.5/7

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1871.735+/-0.577 χ^2/NDF:12022.3/5

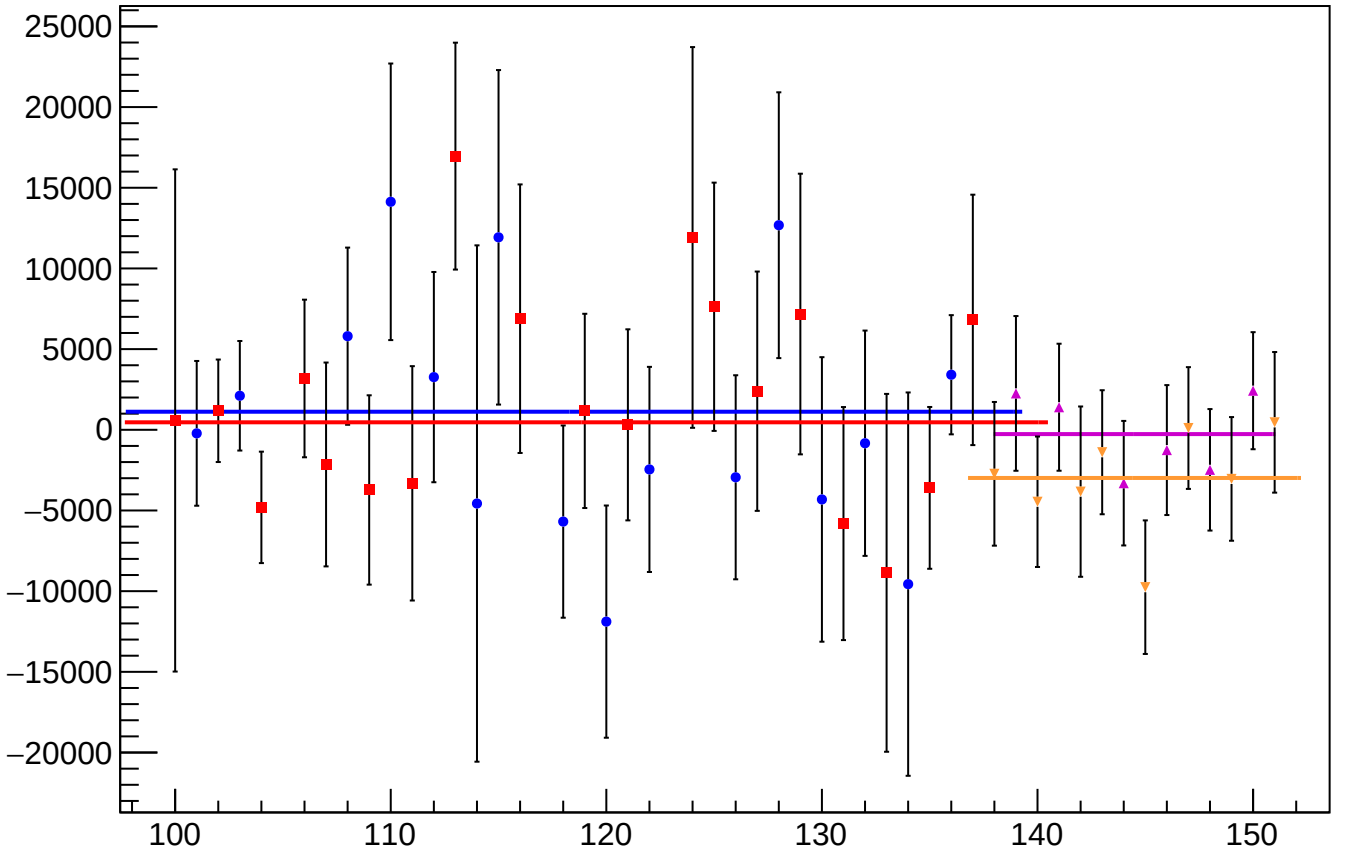
Left: 1879.569+/-0.393 χ^2/NDF: 29408.7/13

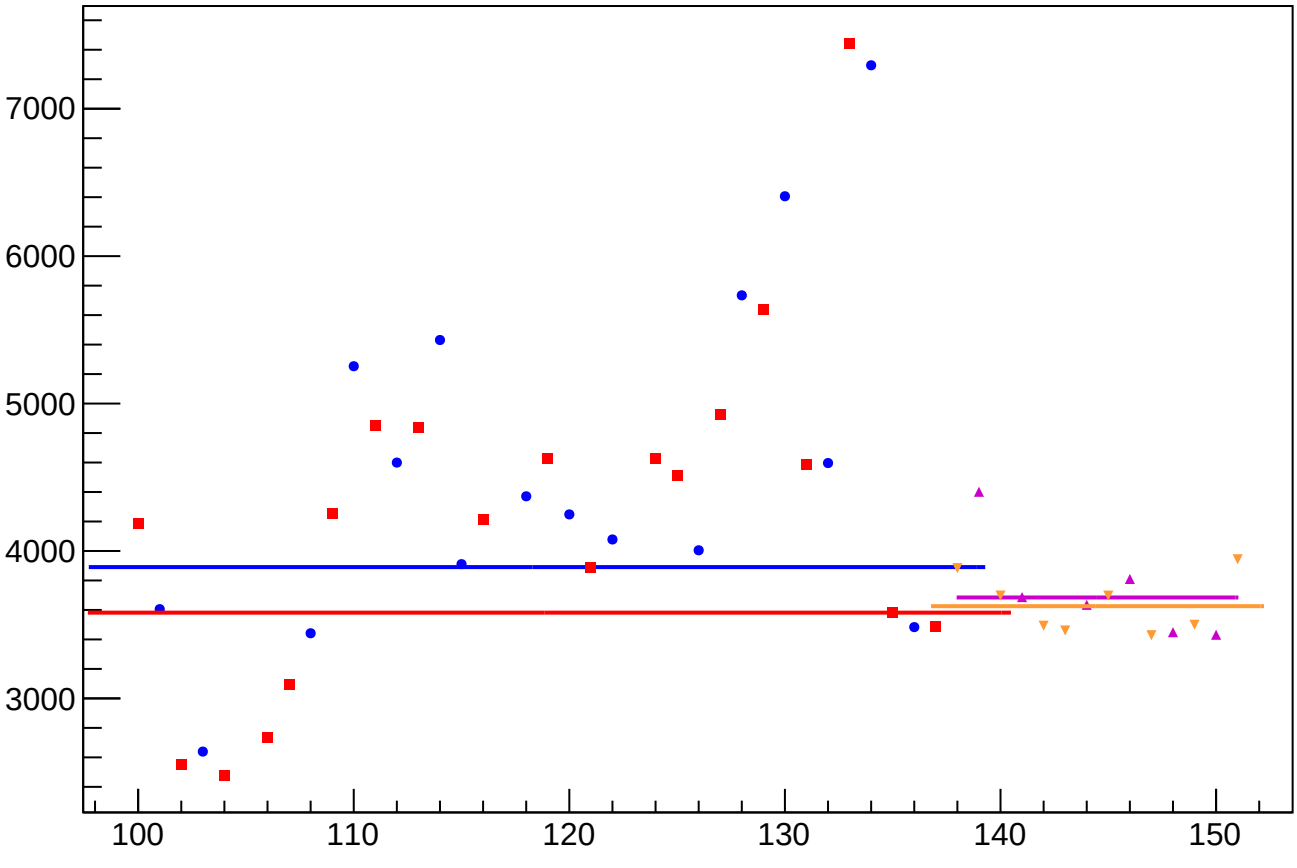
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1894.348+/-0.384 χ^2/NDF:711005.8/21

Out: 1890.837+/-0.366 χ^2/NDF:236956.1/26

All: 1892.507+/-0.265 χ^2/NDF: 948005.7/48


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -2984.697+/-1466.973 χ²/NDF:4.3/7
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -266.046+/-1614.847 χ²/NDF:2.0/5
Left: -1755.520+/-1085.830 χ²/NDF: 7.9/13
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 479.176+/-1098.104 χ²/NDF:15.9/21
Out: -1143.432+/-1001.584 χ²/NDF:22.3/26
All: -406.560+/-740.001 χ²/NDF: 39.4/48



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3625.521+/-1.037 χ^2/NDF:31183.7/7

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3684.584+/-1.142 χ^2/NDF:64551.2/5

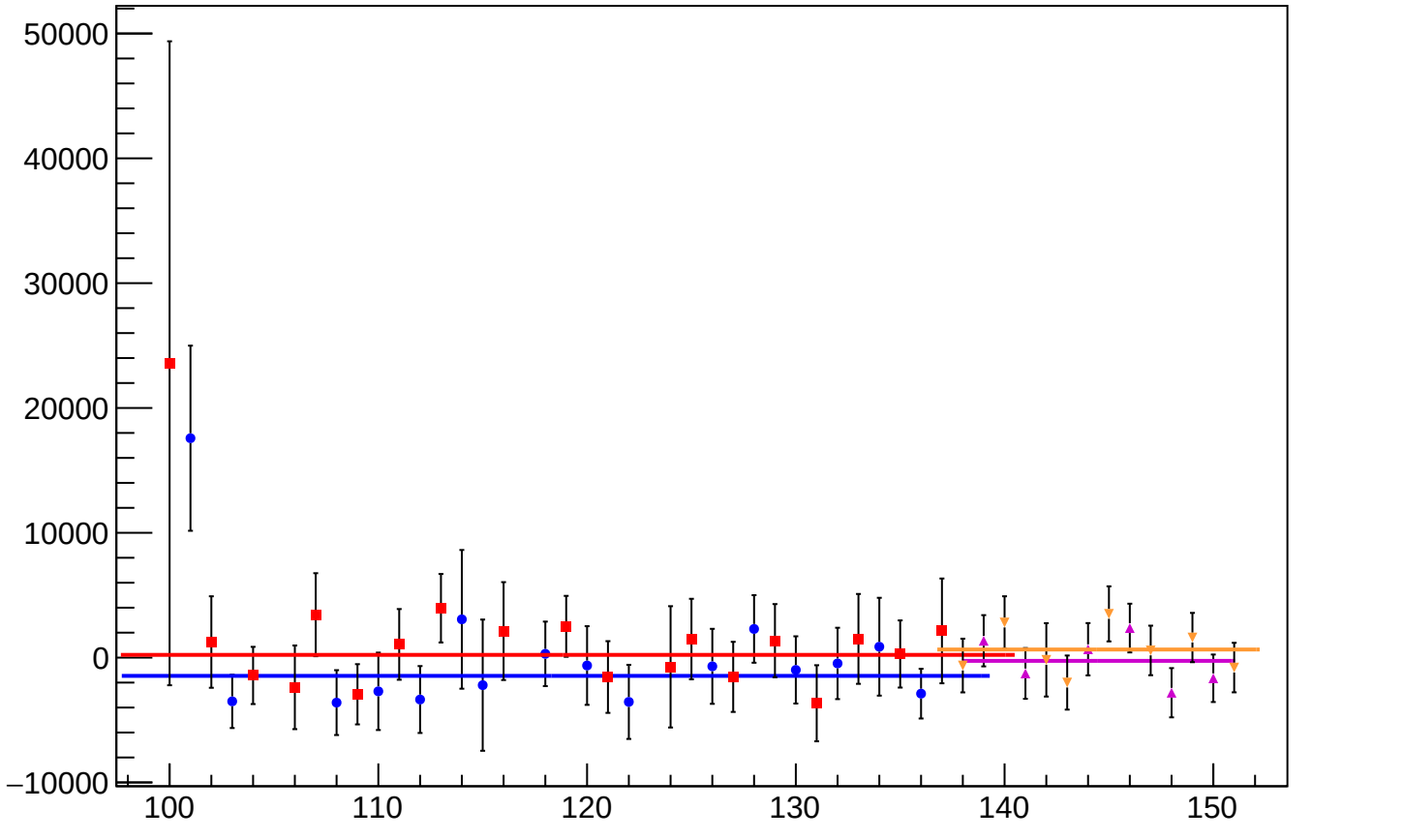
Left: 3652.225+/-0.768 χ^2/NDF: 97200.7/13

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

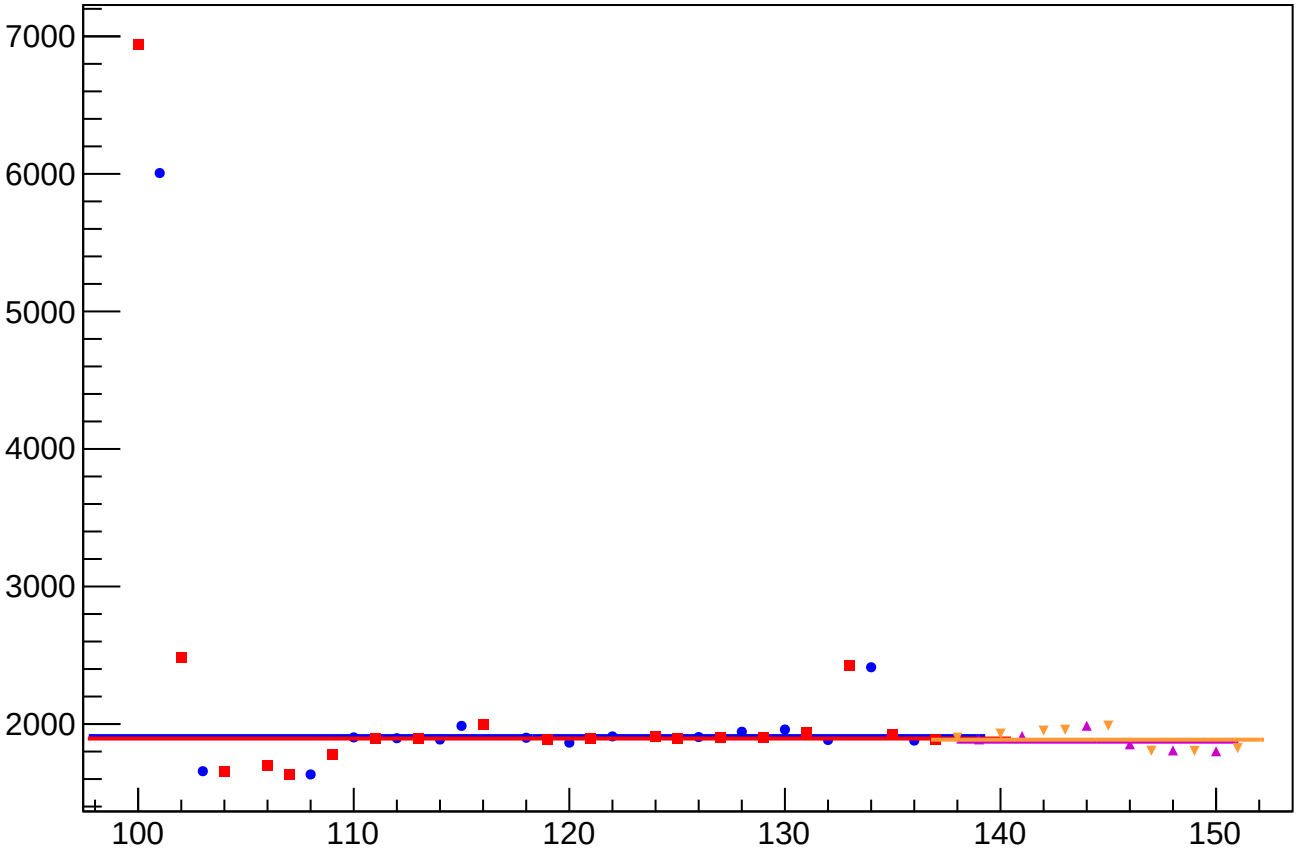
In: 3795.395+/-0.776 χ^2/NDF:960487.1/21

Out: 3602.170+/-0.708 χ^2/NDF:1253988.2/26

All: 3689.919+/-0.523 χ^2/NDF: 2248278.6/48


eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1462.646+/-728.274 χ²/NDF: 13.6/15
Left Out: 649.280+/-758.010 χ²/NDF:5.4/7
Right Out: 219.720+/-708.852 χ²/NDF: 10.8/18
Left In: -260.098+/-815.602 χ²/NDF:5.1/5
Left: 227.828+/-555.239 χ²/NDF: 11.2/13
Right: -598.730+/-507.962 χ²/NDF: 27.1/34
In: -929.176+/-543.228 χ²/NDF:19.9/21
Out: 420.121+/-517.741 χ²/NDF:16.4/26
All: -222.133+/-374.785 χ²/NDF: 39.5/48

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1886.335+/-0.536 χ^2/NDF:17042.6/7

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1871.736+/-0.577 χ^2/NDF:12022.2/5

Left: 1879.569+/-0.393 χ^2/NDF: 29408.6/13

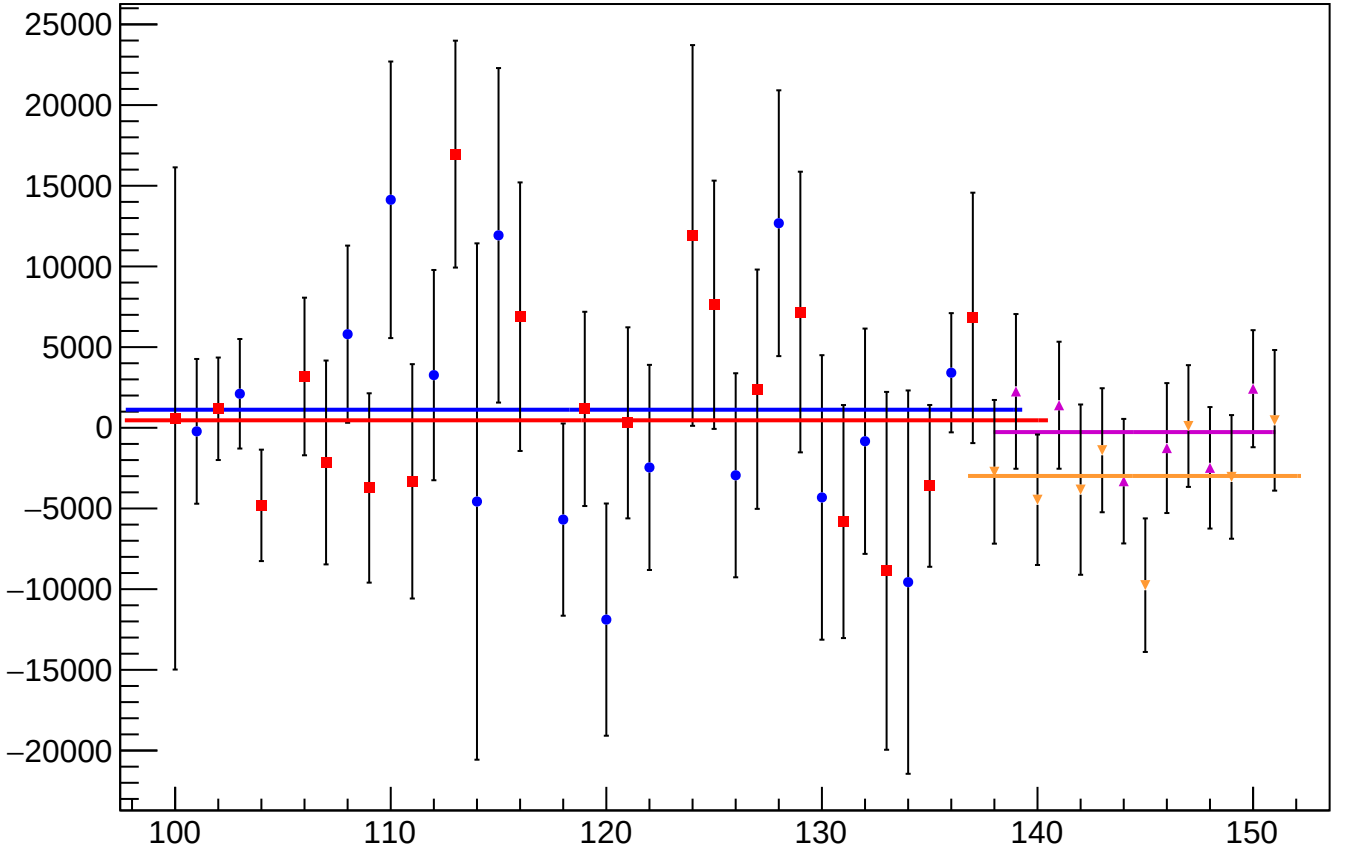
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1894.349+/-0.384 χ^2/NDF:711005.5/21

Out: 1890.837+/-0.366 χ^2/NDF:236956.1/26

All: 1892.507+/-0.265 χ^2/NDF: 948005.5/48

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2984.699+/-1466.975 χ^2/NDF:4.3/7

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -266.043+/-1614.849 χ^2/NDF:2.0/5

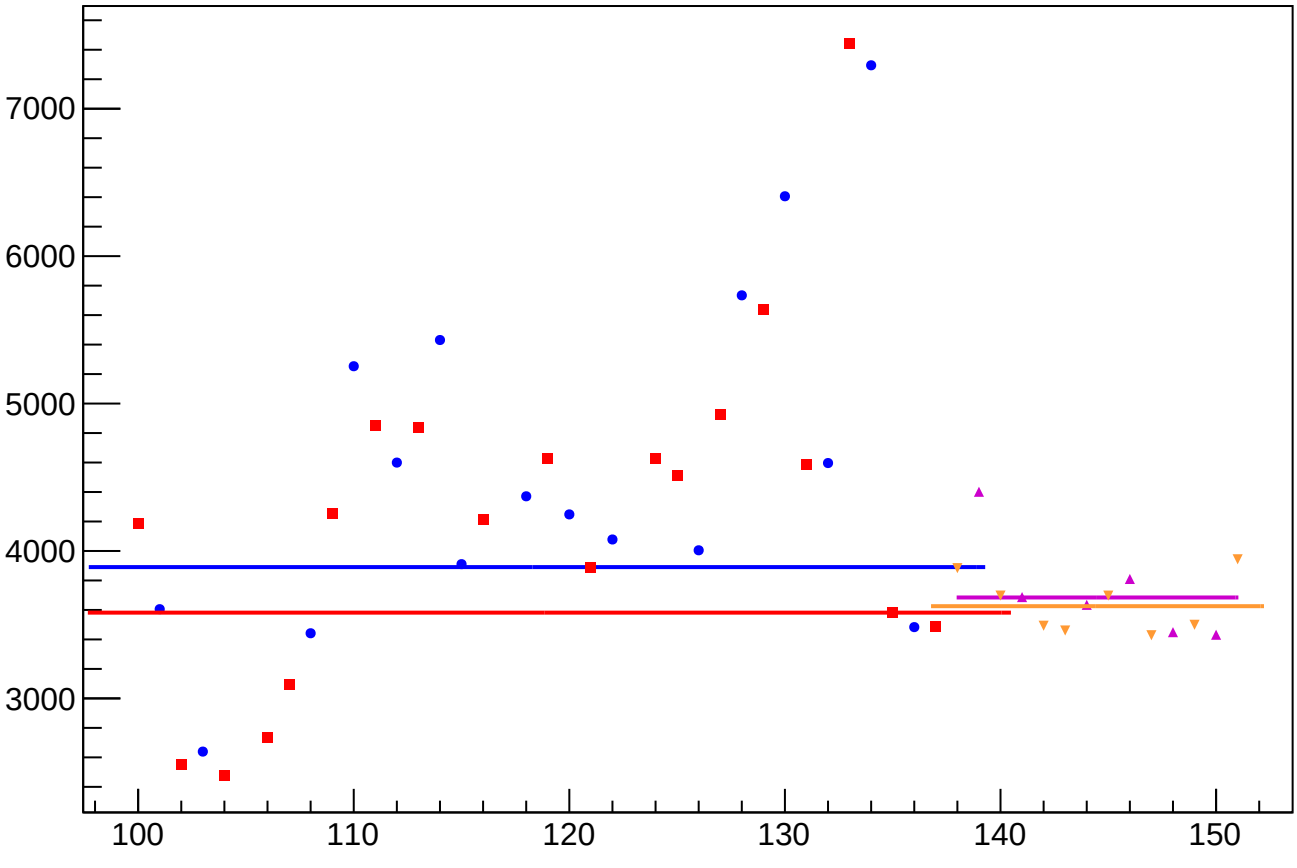
Left: -1755.519+/-1085.831 χ^2/NDF: 7.9/13

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 479.172+/-1098.104 χ^2/NDF:15.9/21

Out: -1143.429+/-1001.584 χ^2/NDF:22.3/26

All: -406.560+/-740.001 χ^2/NDF: 39.4/48



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3625.527+/-1.037 χ^2/NDF:31183.6/7

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3684.589+/-1.142 χ^2/NDF:64551.6/5

Left: 3652.230+/-0.768 χ^2/NDF: 97200.9/13

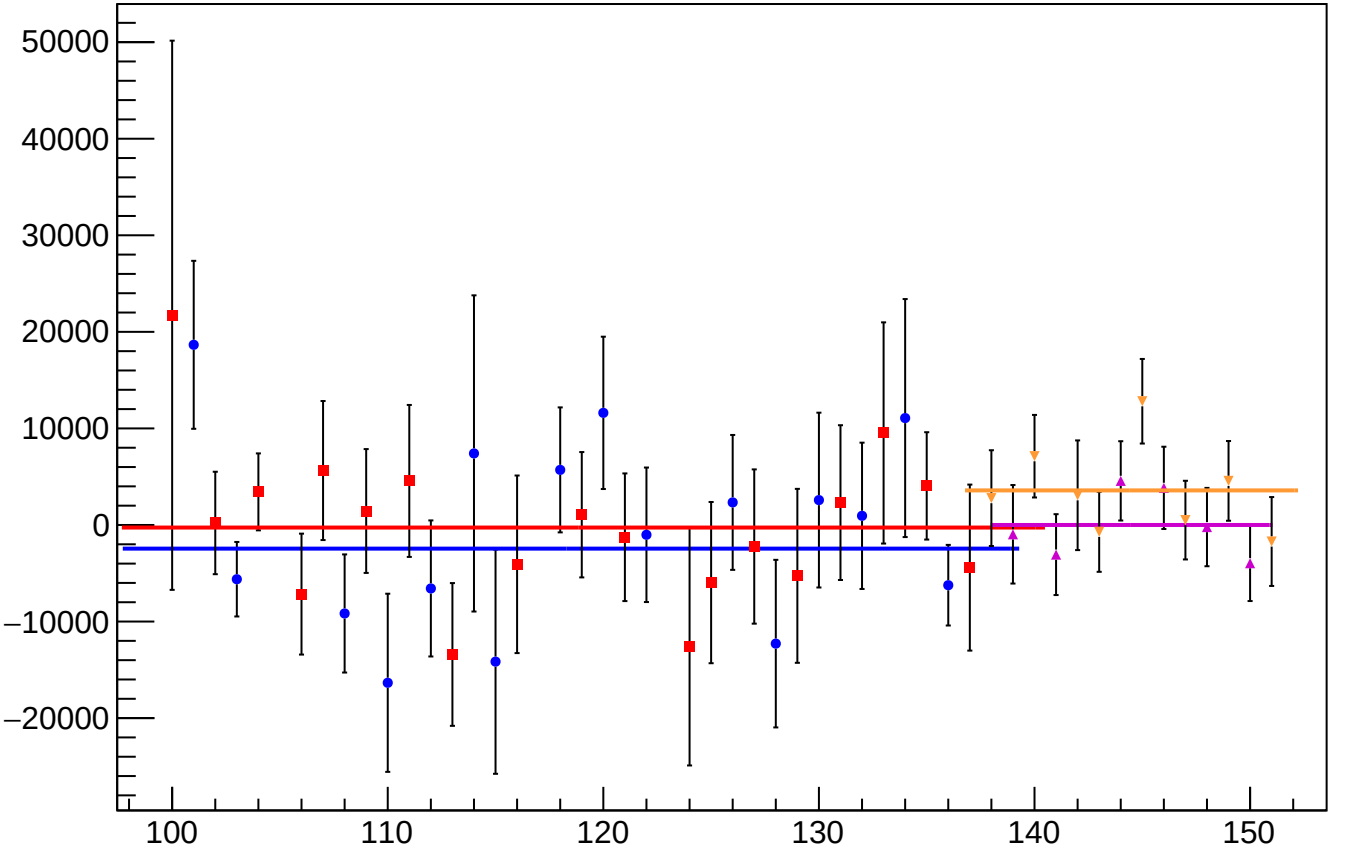
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3795.396+/-0.776 χ^2/NDF:960477.3/21

Out: 3602.171+/-0.708 χ^2/NDF:1253979.8/26

All: 3689.920+/-0.523 χ^2/NDF: 2248260.4/48

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3581.071+/-1575.551 χ^2/NDF:8.2/7

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -0.023+/-1725.635 χ^2/NDF:3.6/5

Left: 1952.997+/-1163.531 χ^2/NDF: 14.2/13

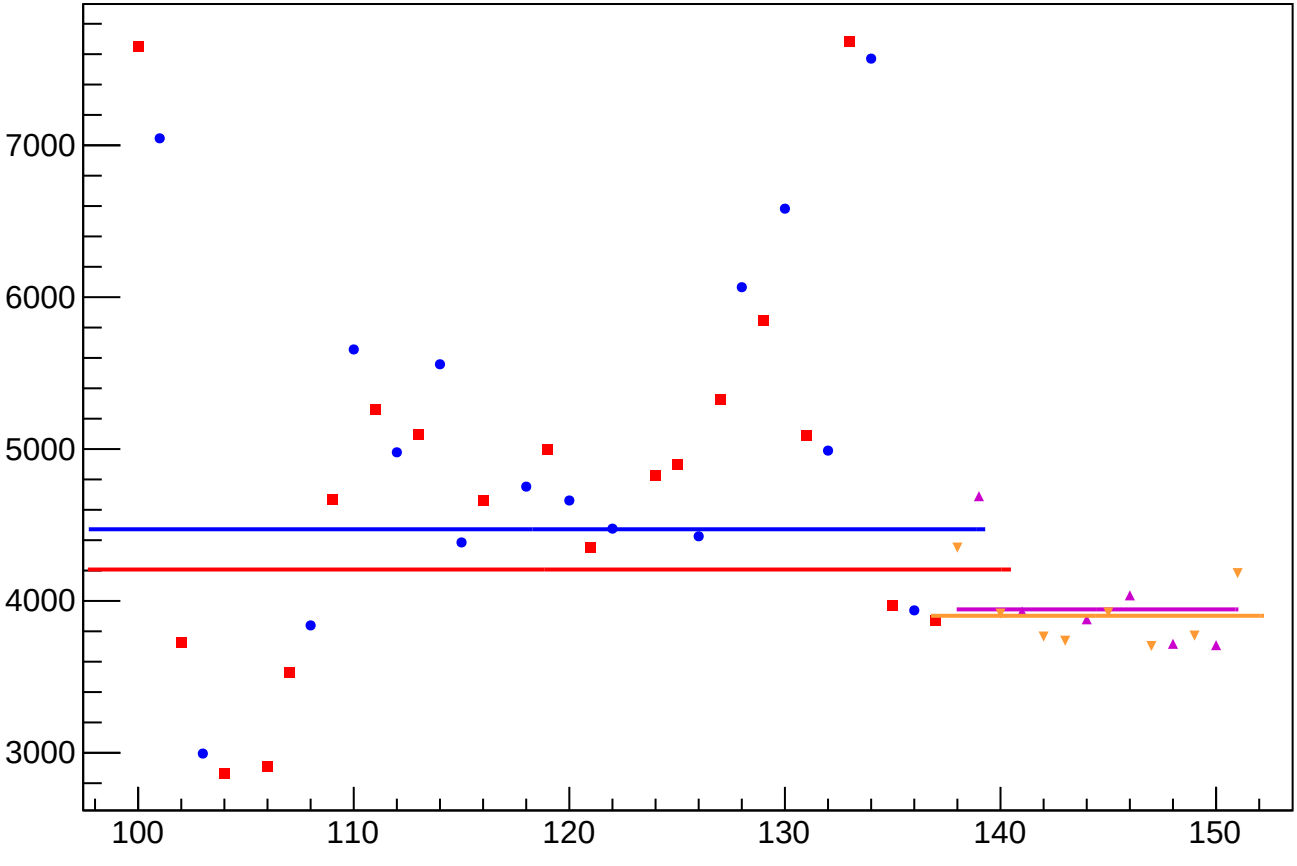
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1228.364+/-1218.102 χ^2/NDF:25.5/21

Out: 1714.143+/-1130.342 χ^2/NDF:21.8/26

All: 352.697+/-828.562 χ^2/NDF: 50.4/48

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3902.315+/-1.114 χ^2/NDF:34966.3/7

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 3944.406+/-1.220 χ^2/NDF:57630.4/5

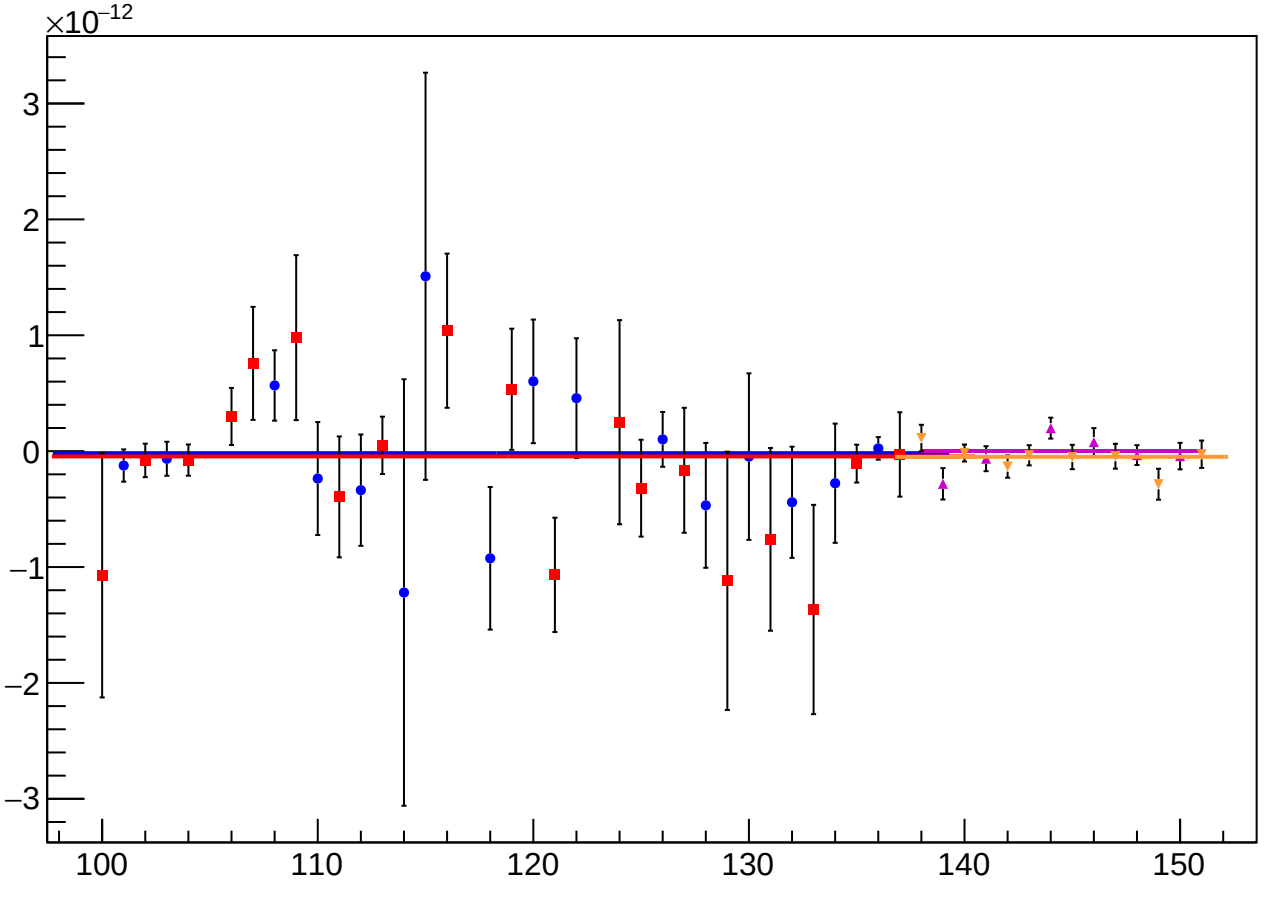
Left: 3921.451+/-0.823 χ^2/NDF: 93245.6/13

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4209.064+/-0.861 χ^2/NDF:1043073.6/21

Out: 4051.380+/-0.796 χ^2/NDF:918072.8/26

All: 4124.025+/-0.585 χ^2/NDF: 1979221.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/5

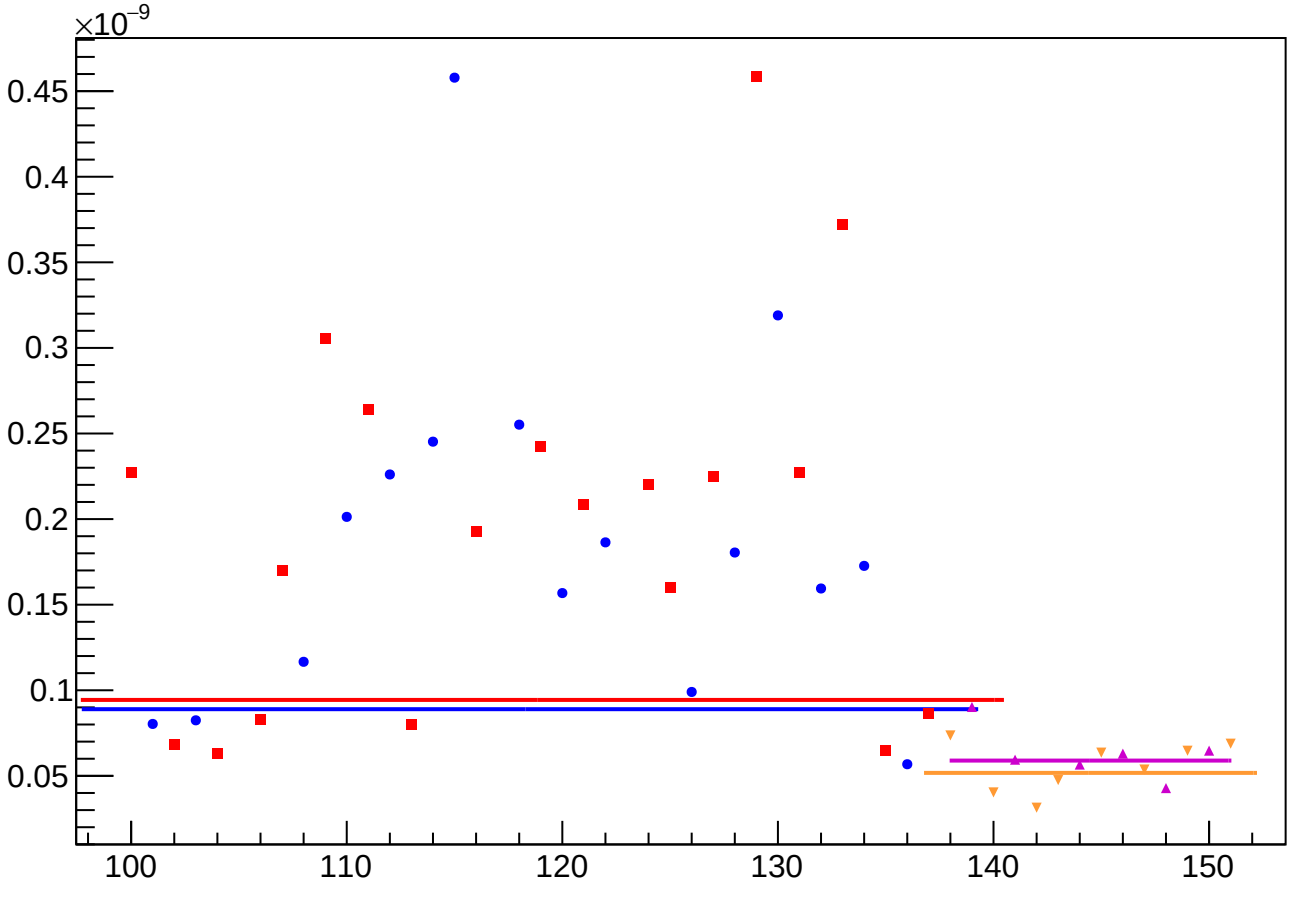
Left: -0.000+/-0.000 χ^2/NDF: 17.2/13

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:23.1/21

Out: -0.000+/-0.000 χ^2/NDF:27.4/26

All: -0.000+/-0.000 χ^2/NDF: 51.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:302422.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:186241.4/5

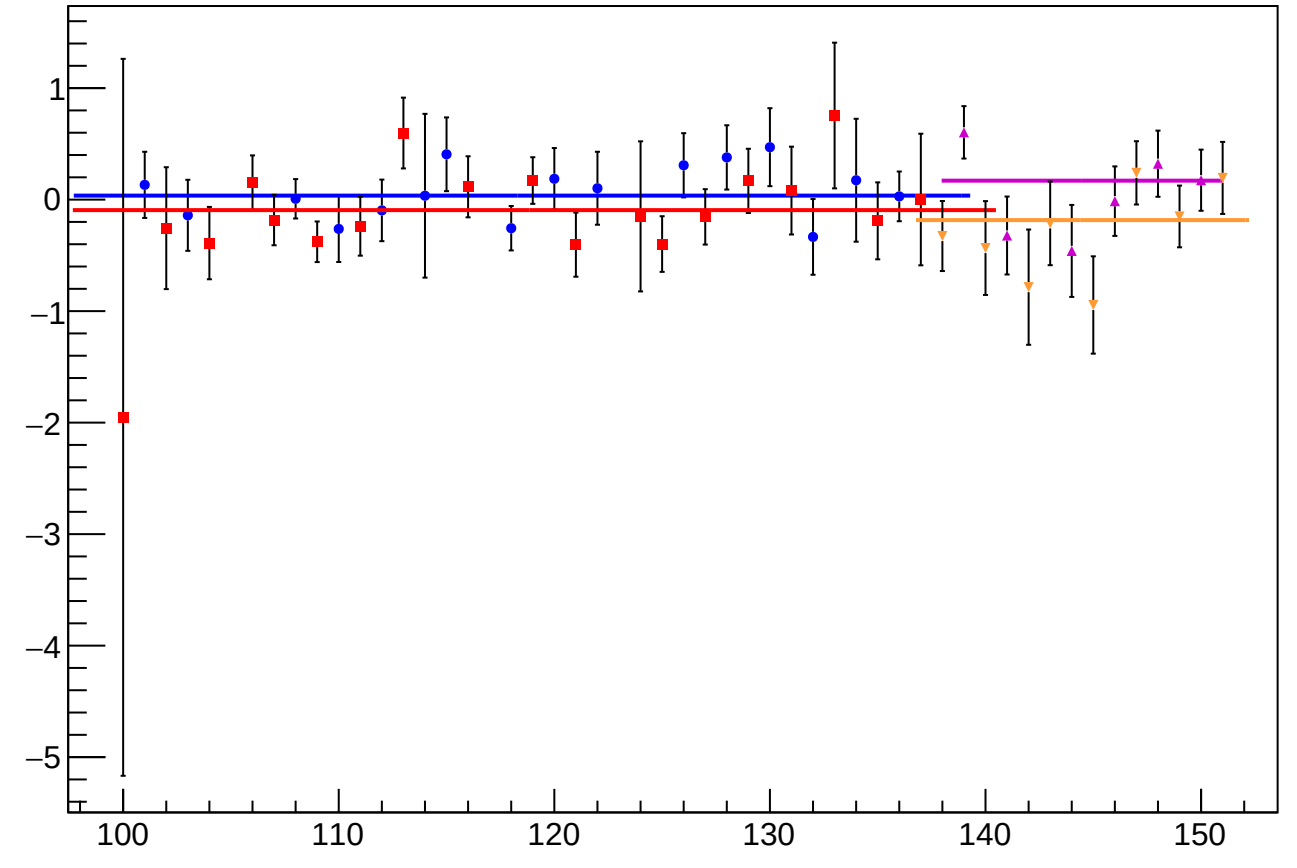
Left: 0.000+/-0.000 χ^2/NDF: 522296.6/13

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1737627.4/21

Out: 0.000+/-0.000 χ^2/NDF:2615988.7/26

All: 0.000+/-0.000 χ^2/NDF: 4411975.7/48



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.170+/-0.122 χ^2/NDF:8.3/5

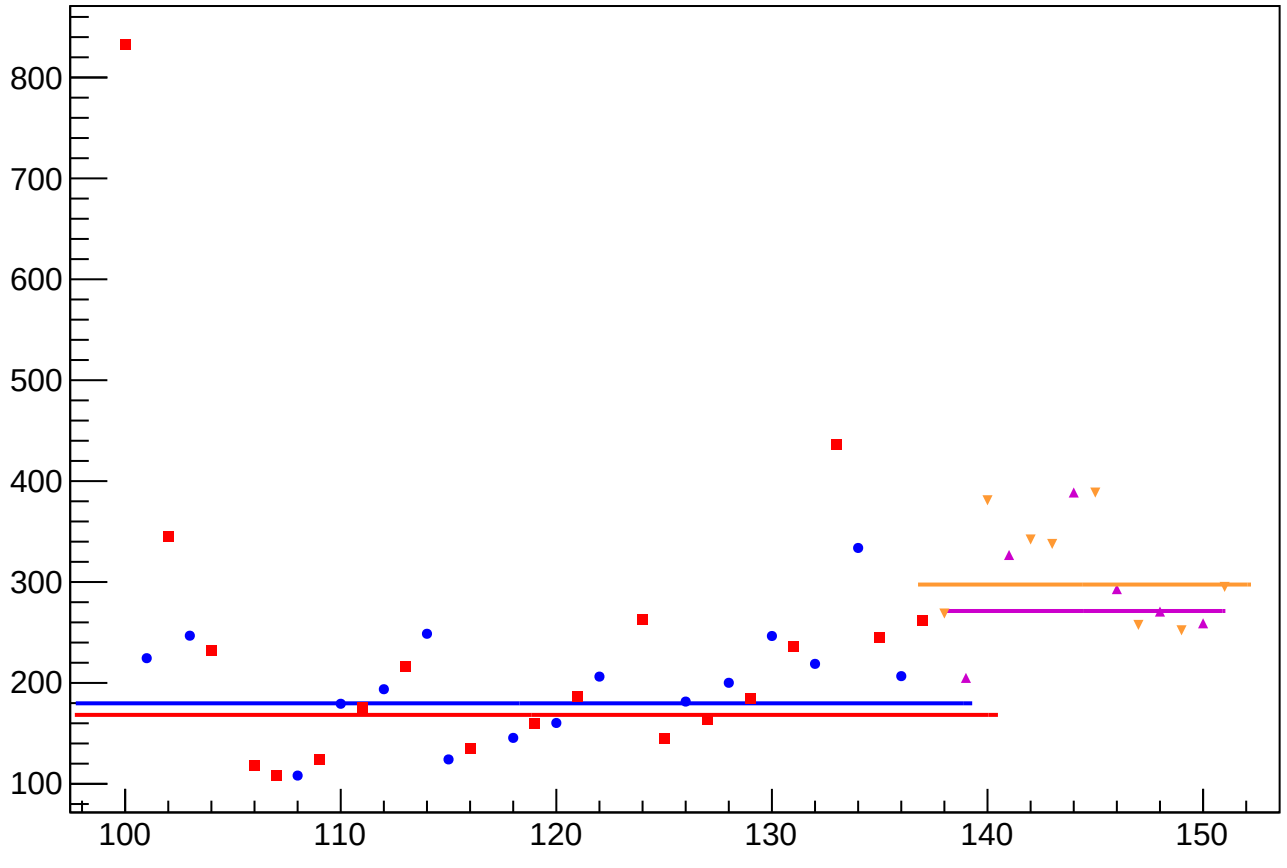
Left: -0.007+/-0.086 χ^2/NDF: 21.1/13

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.070+/-0.061 χ^2/NDF:19.8/21

Out: -0.115+/-0.059 χ^2/NDF:26.6/26

All: -0.026+/-0.043 χ^2/NDF: 51.1/48



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 297.505+/-0.086 χ^2/NDF:314197.7/7

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 271.296+/-0.086 χ^2/NDF:385230.6/5

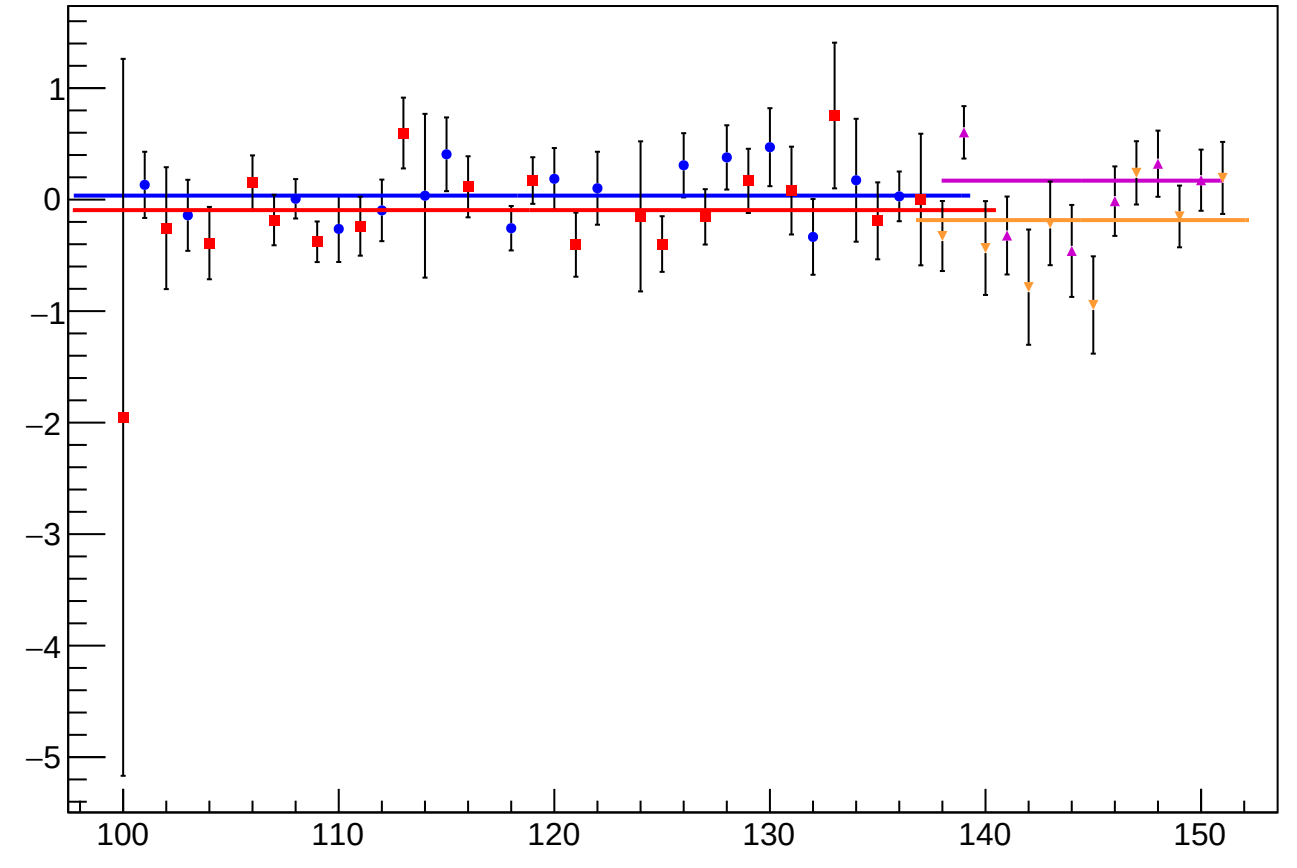
Left: 284.383+/-0.061 χ^2/NDF: 745467.5/13

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 202.722+/-0.043 χ^2/NDF:2145996.8/21

Out: 198.614+/-0.042 χ^2/NDF:3433569.2/26

All: 200.602+/-0.030 χ^2/NDF: 5584231.6/48



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.170+/-0.122 χ^2/NDF:8.3/5

Left: -0.007+/-0.086 χ^2/NDF: 21.1/13

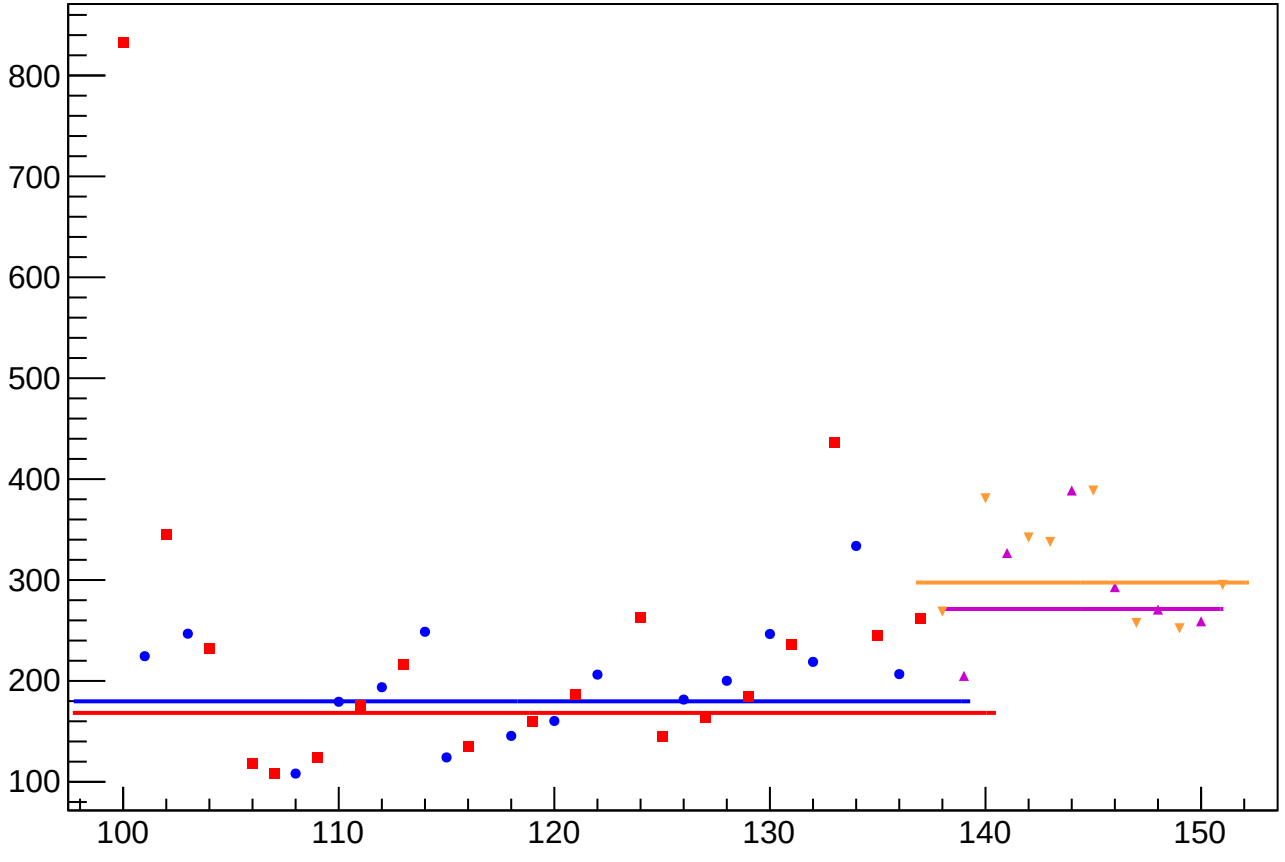
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.070+/-0.061 χ^2/NDF:19.8/21

Out: -0.115+/-0.059 χ^2/NDF:26.6/26

All: -0.026+/-0.043 χ^2/NDF: 51.1/48

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 297.505+/-0.086 χ^2/NDF:314197.7/7

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 271.296+/-0.086 χ^2/NDF:385230.6/5

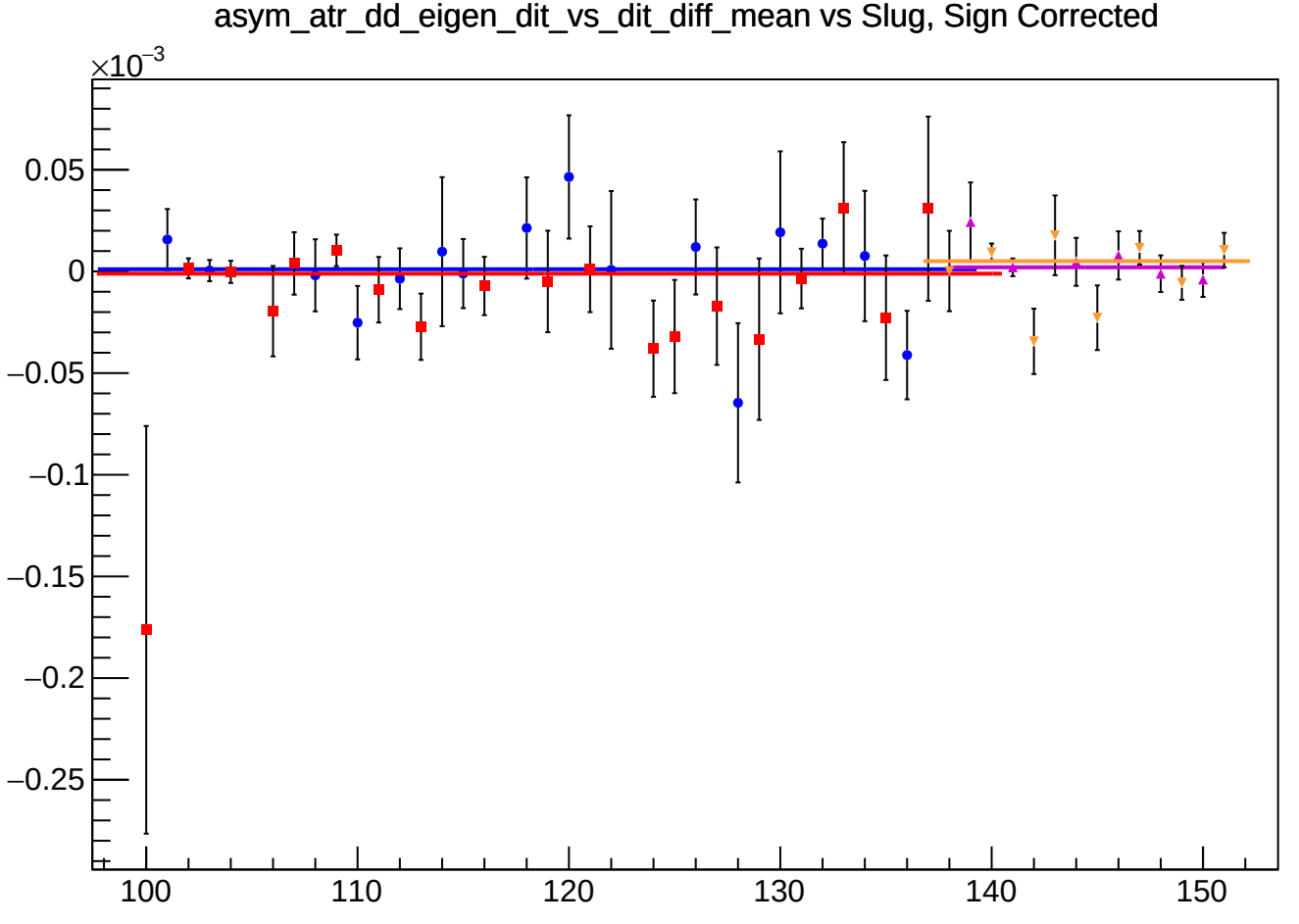
Left: 284.383+/-0.061 χ^2/NDF: 745467.5/13

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 202.722+/-0.043 χ^2/NDF:2145996.8/21

Out: 198.614+/-0.042 χ^2/NDF:3433569.2/26

All: 200.602+/-0.030 χ^2/NDF: 5584231.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/5

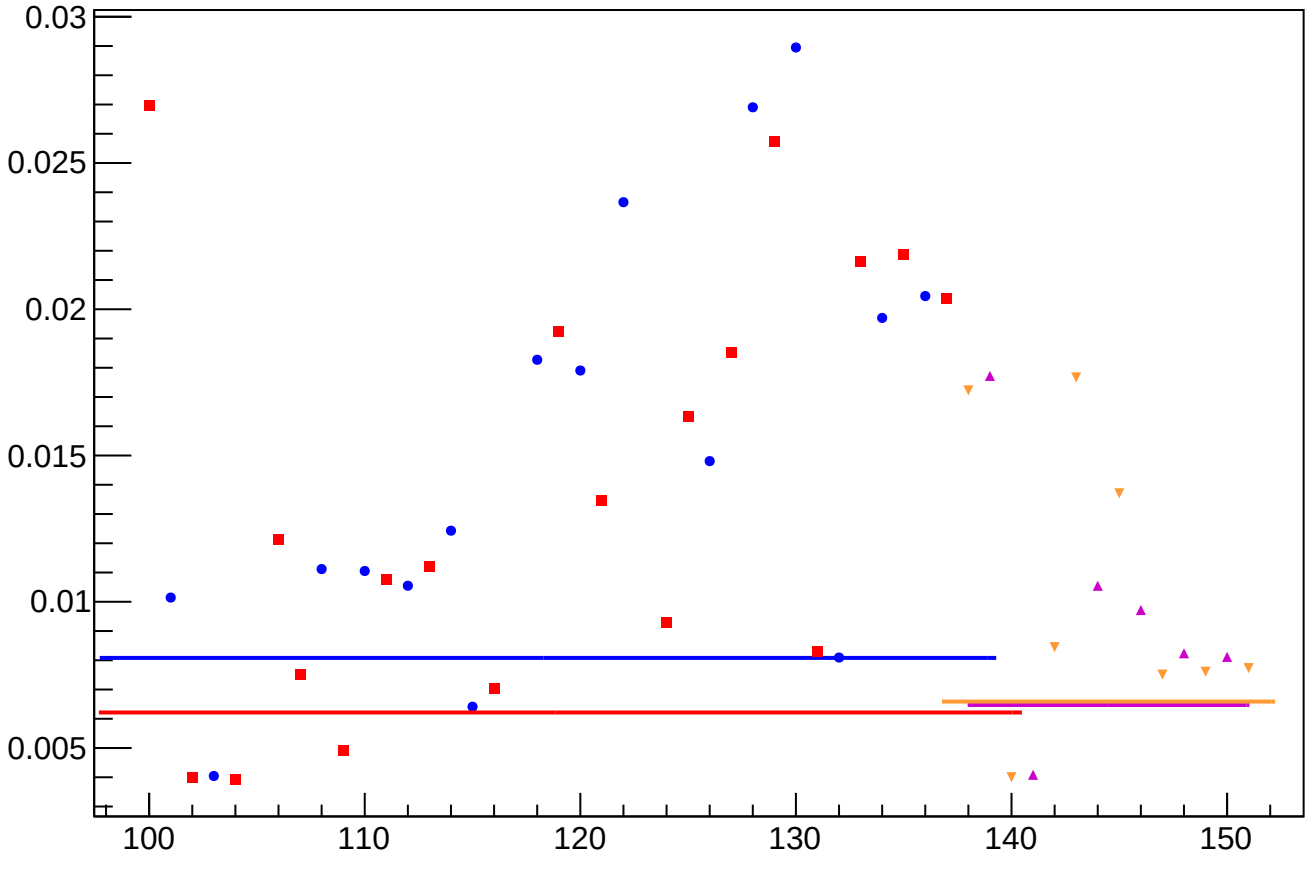
Left: 0.000+/-0.000 χ^2/NDF: 15.9/13

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:16.5/21

Out: 0.000+/-0.000 χ^2/NDF:31.4/26

All: 0.000+/-0.000 χ^2/NDF: 48.0/48



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2438694.4/7

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1807900.8/5

Left: 0.007+/-0.000 χ^2/NDF: 4247974.4/13

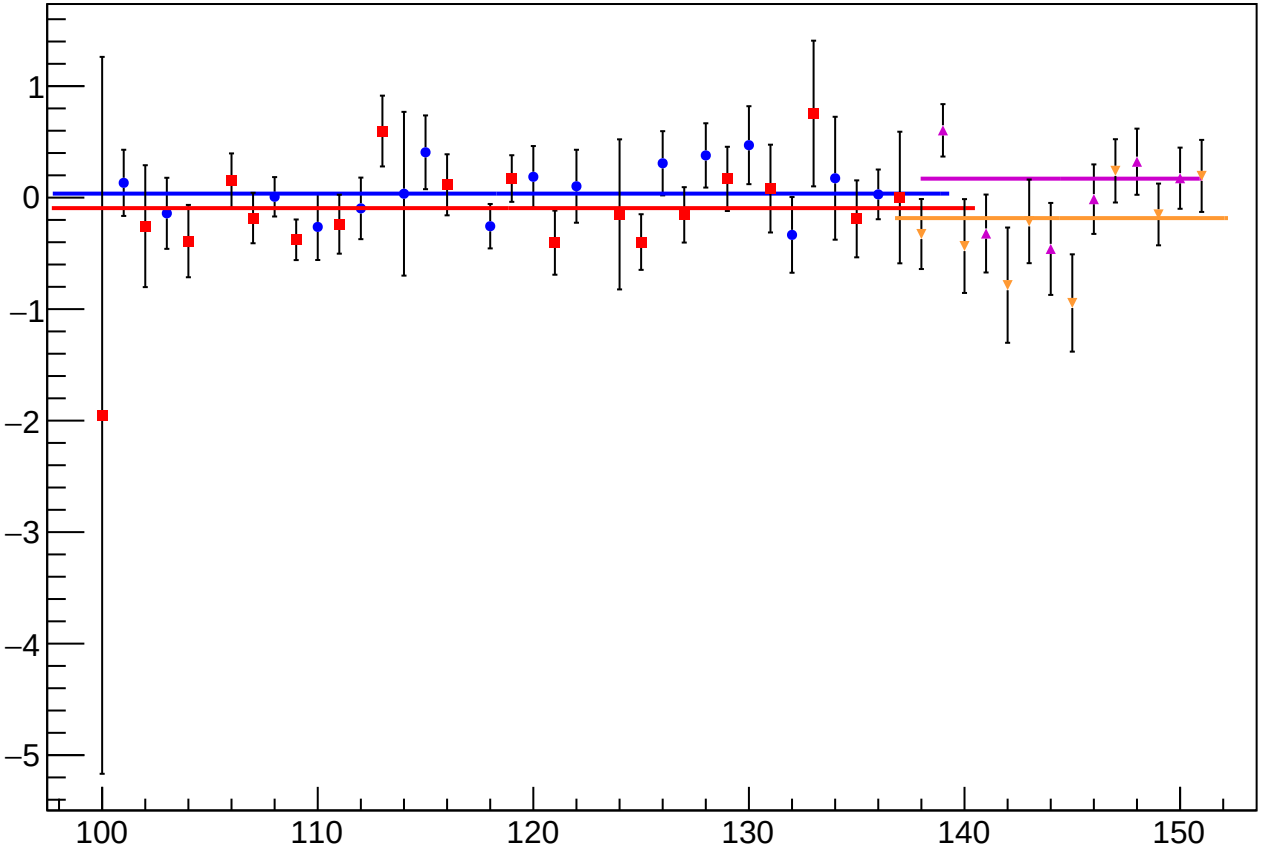
Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6434921.1/21

Out: 0.006+/-0.000 χ^2/NDF:7015938.4/26

All: 0.007+/-0.000 χ^2/NDF: 13569488.9/48

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.170+/-0.122 χ^2/NDF:8.3/5

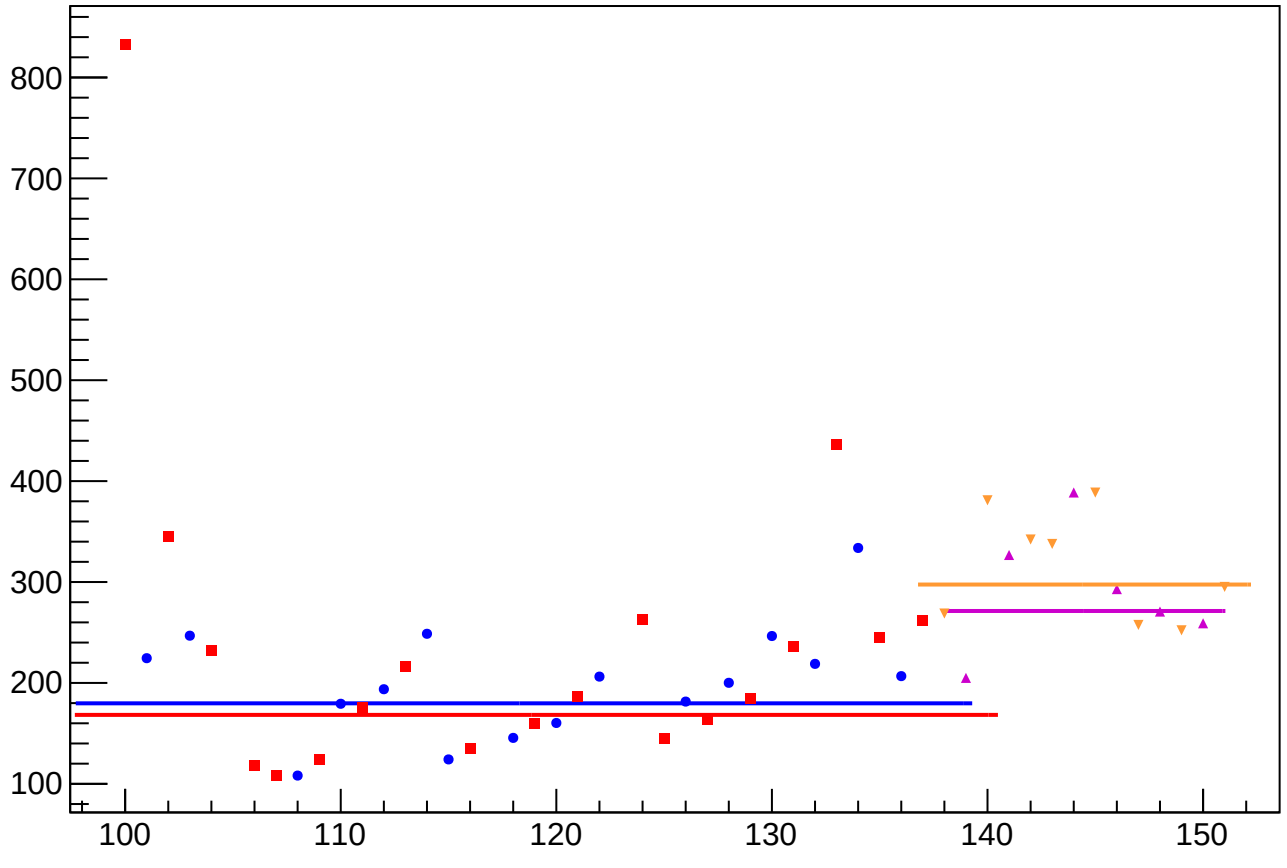
Left: -0.007+/-0.086 χ^2/NDF: 21.1/13

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.070+/-0.061 χ^2/NDF:19.8/21

Out: -0.115+/-0.059 χ^2/NDF:26.6/26

All: -0.026+/-0.043 χ^2/NDF: 51.1/48



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 297.509+/-0.086 χ^2/NDF:314181.3/7

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 271.301+/-0.086 χ^2/NDF:385211.3/5

Left: 284.388+/-0.061 χ^2/NDF: 745430.0/13

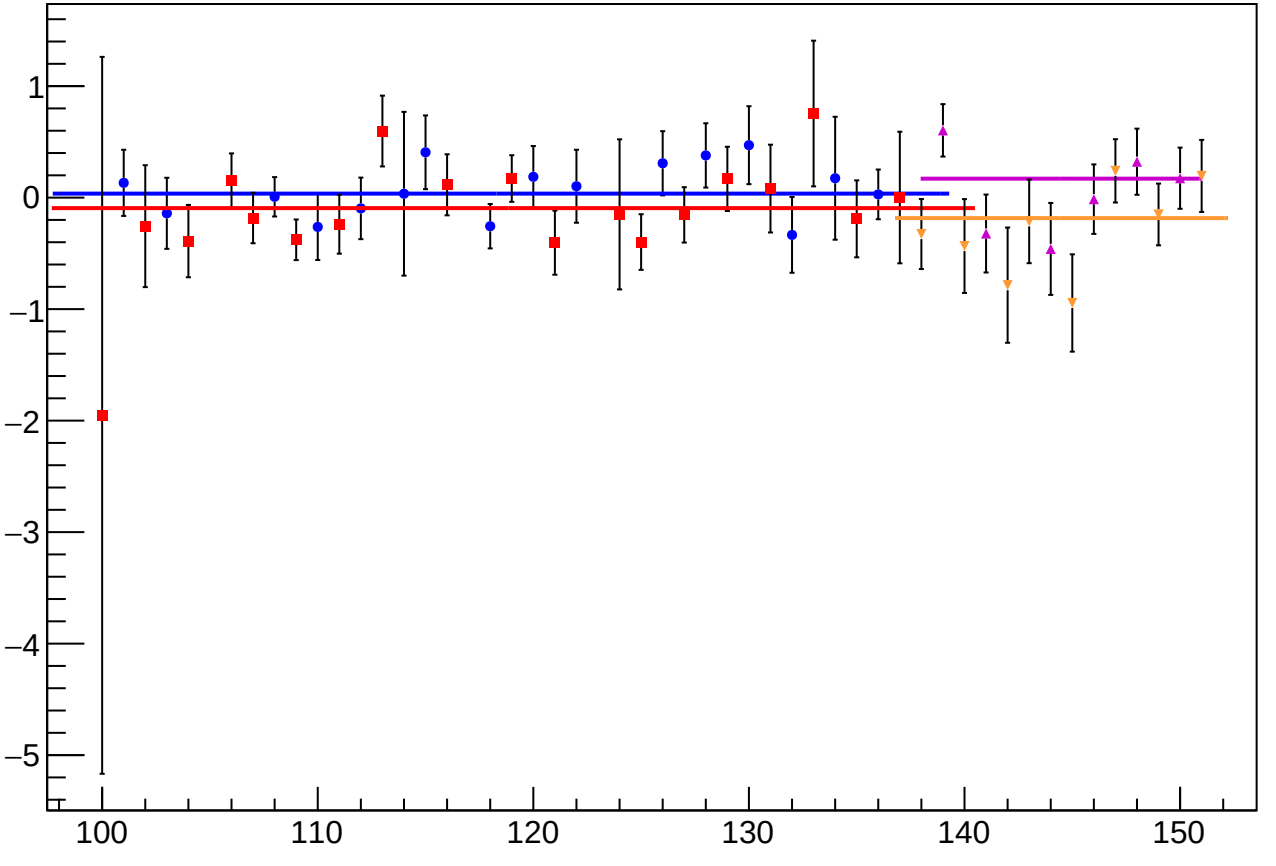
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 202.720+/-0.043 χ^2/NDF:2146138.3/21

Out: 198.614+/-0.042 χ^2/NDF:3433632.5/26

All: 200.601+/-0.030 χ^2/NDF: 5584431.8/48

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.184+/-0.122 χ^2/NDF:8.6/7

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.170+/-0.122 χ^2/NDF:8.3/5

Left: -0.007+/-0.086 χ^2/NDF: 21.1/13

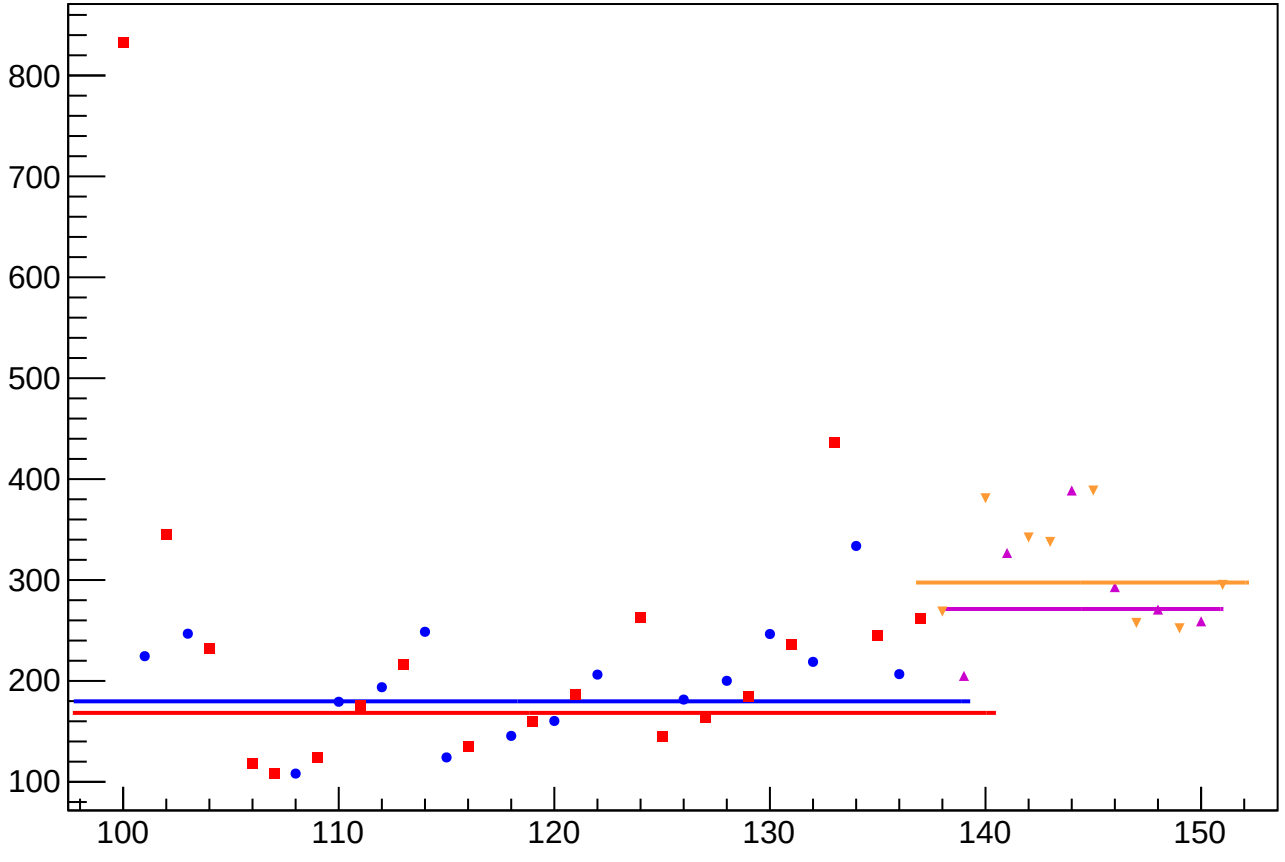
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.070+/-0.061 χ^2/NDF:19.8/21

Out: -0.115+/-0.059 χ^2/NDF:26.6/26

All: -0.026+/-0.043 χ^2/NDF: 51.1/48

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: 297.509+/-0.086 χ^2/NDF:314181.3/7

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 271.301+/-0.086 χ^2/NDF:385211.3/5

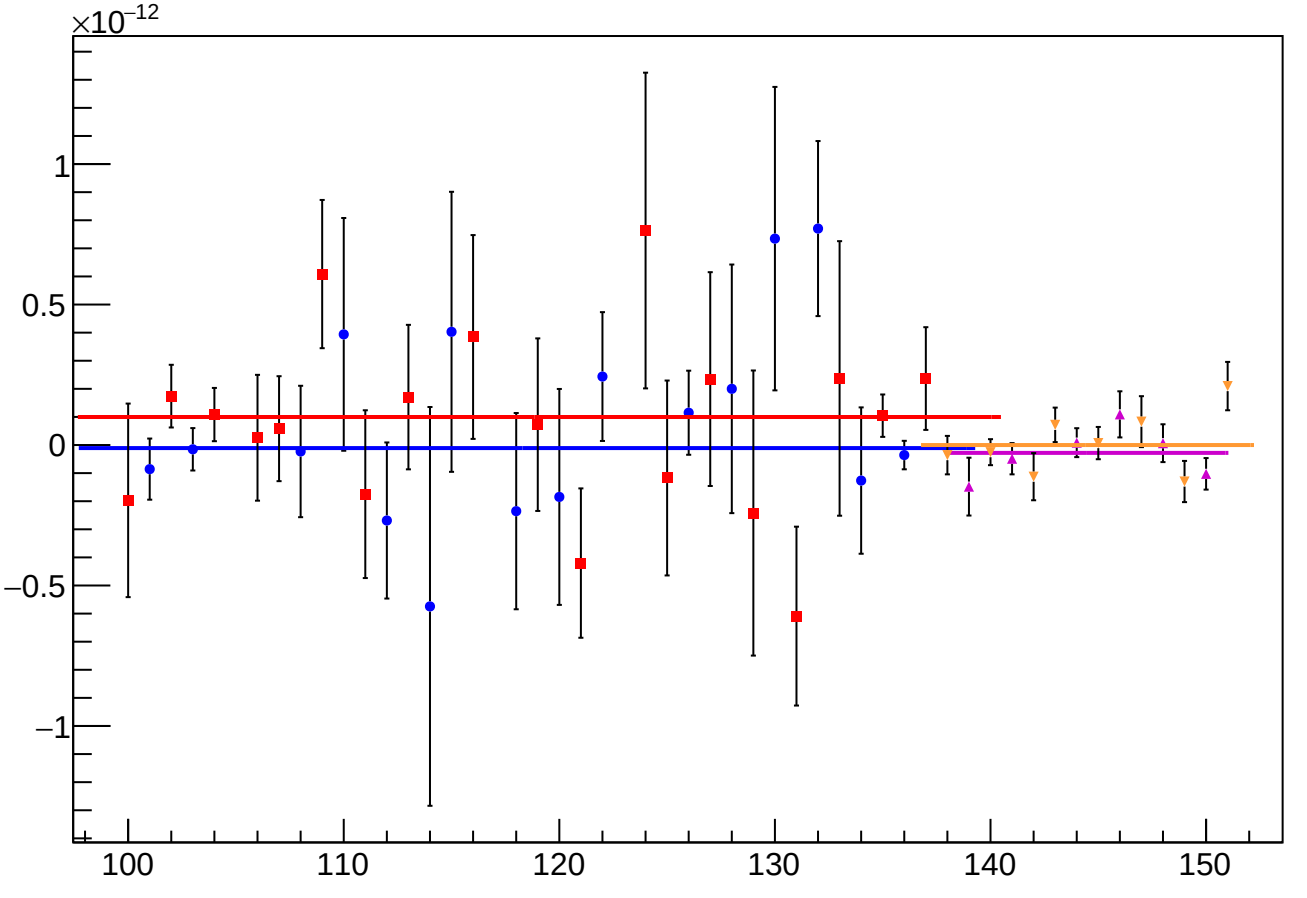
Left: 284.388+/-0.061 χ^2/NDF: 745430.0/13

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 202.720+/-0.043 χ^2/NDF:2146138.3/21

Out: 198.614+/-0.042 χ^2/NDF:3433632.5/26

All: 200.601+/-0.030 χ^2/NDF: 5584431.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/5

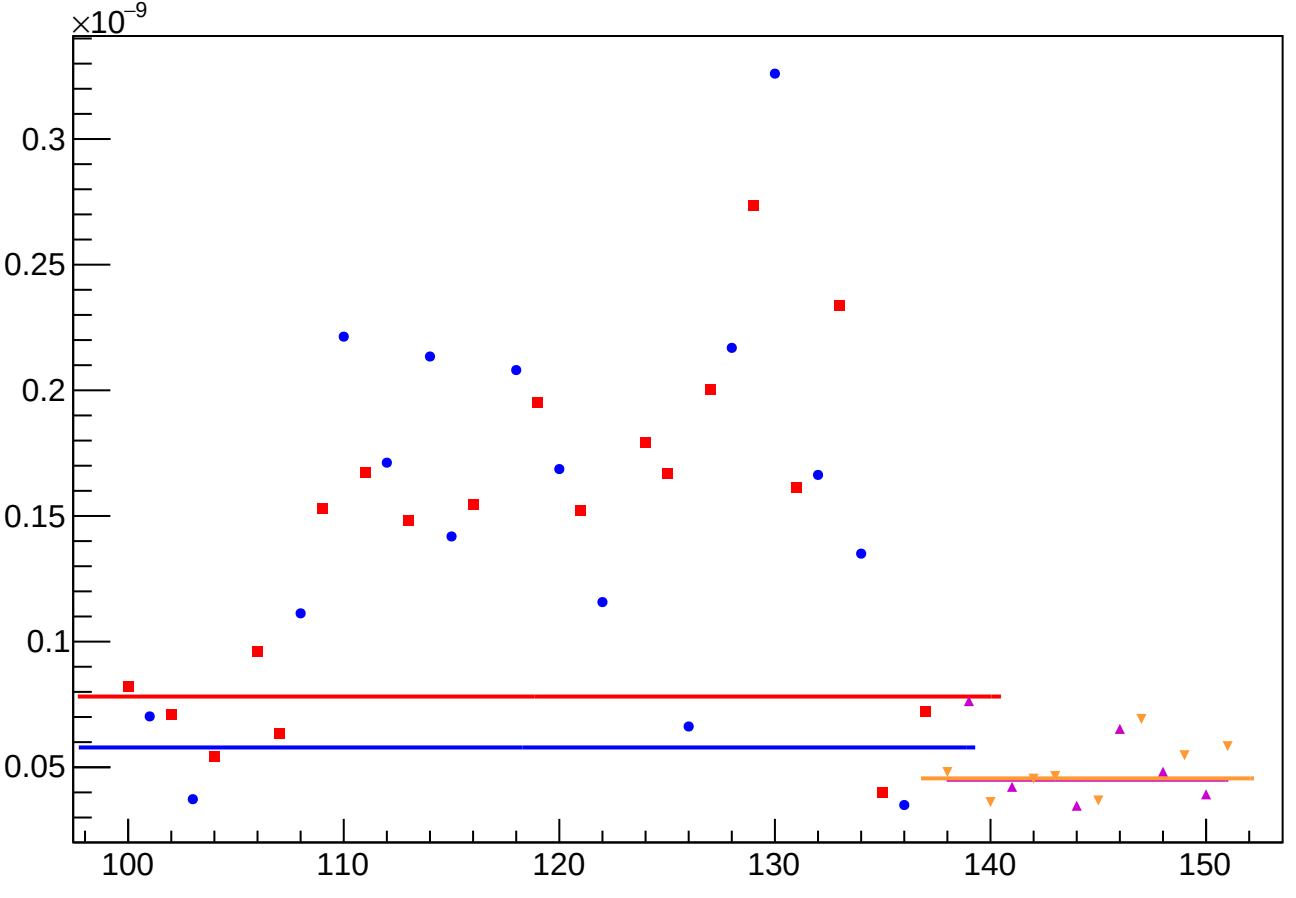
Left: -0.000+/-0.000 χ^2/NDF: 21.1/13

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:22.0/21

Out: 0.000+/-0.000 χ^2/NDF:36.4/26

All: 0.000+/-0.000 χ^2/NDF: 60.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:345096.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:418272.3/5

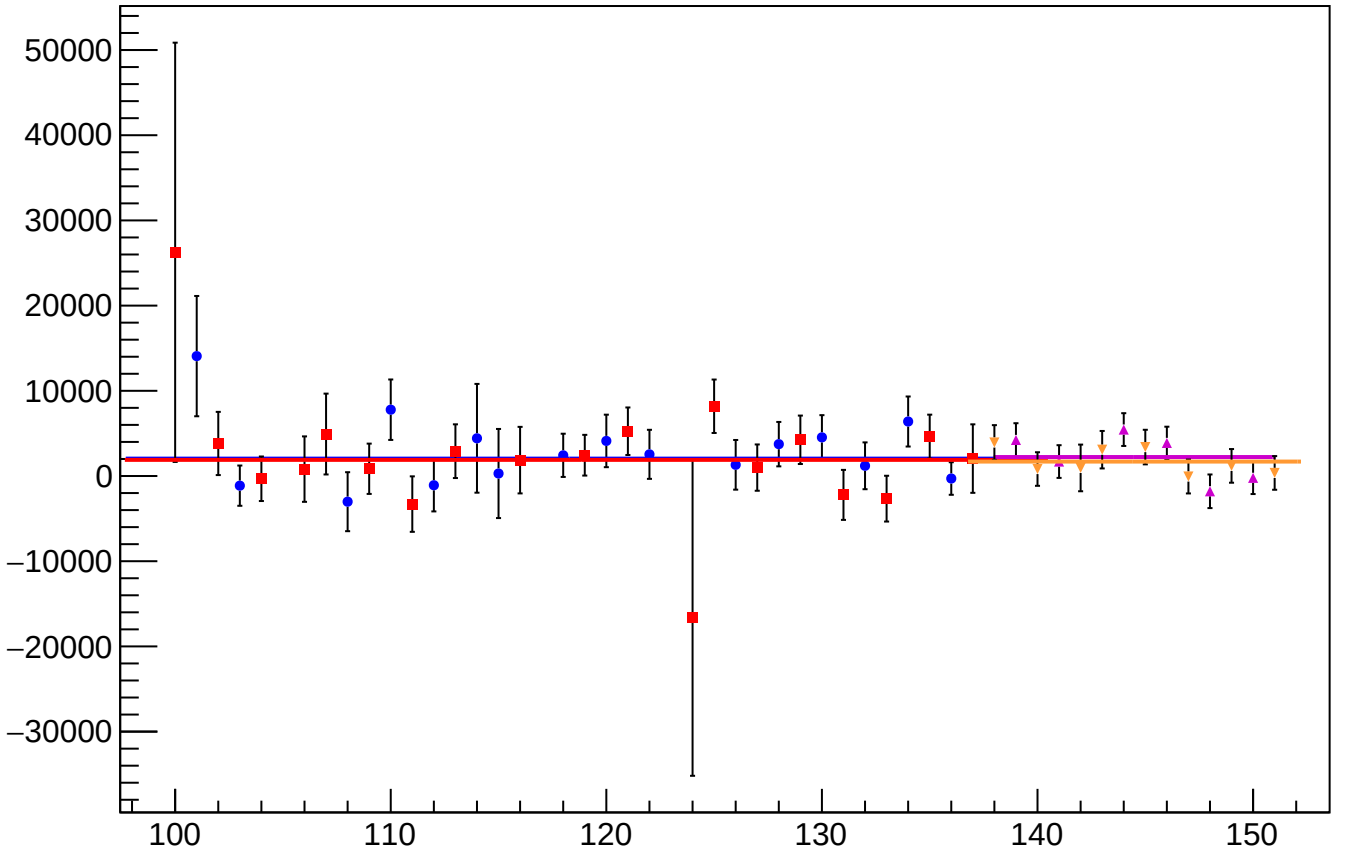
Left: 0.000+/-0.000 χ^2/NDF: 763826.4/13

Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:3913217.7/21

Out: 0.000+/-0.000 χ^2/NDF:3992165.6/26

All: 0.000+/-0.000 χ^2/NDF: 7936871.8/48



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1694.934+/-735.893 χ^2/NDF:3.9/7

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2226.569+/-788.102 χ^2/NDF:10.5/5

Left: 1942.560+/-537.866 χ^2/NDF: 14.6/13

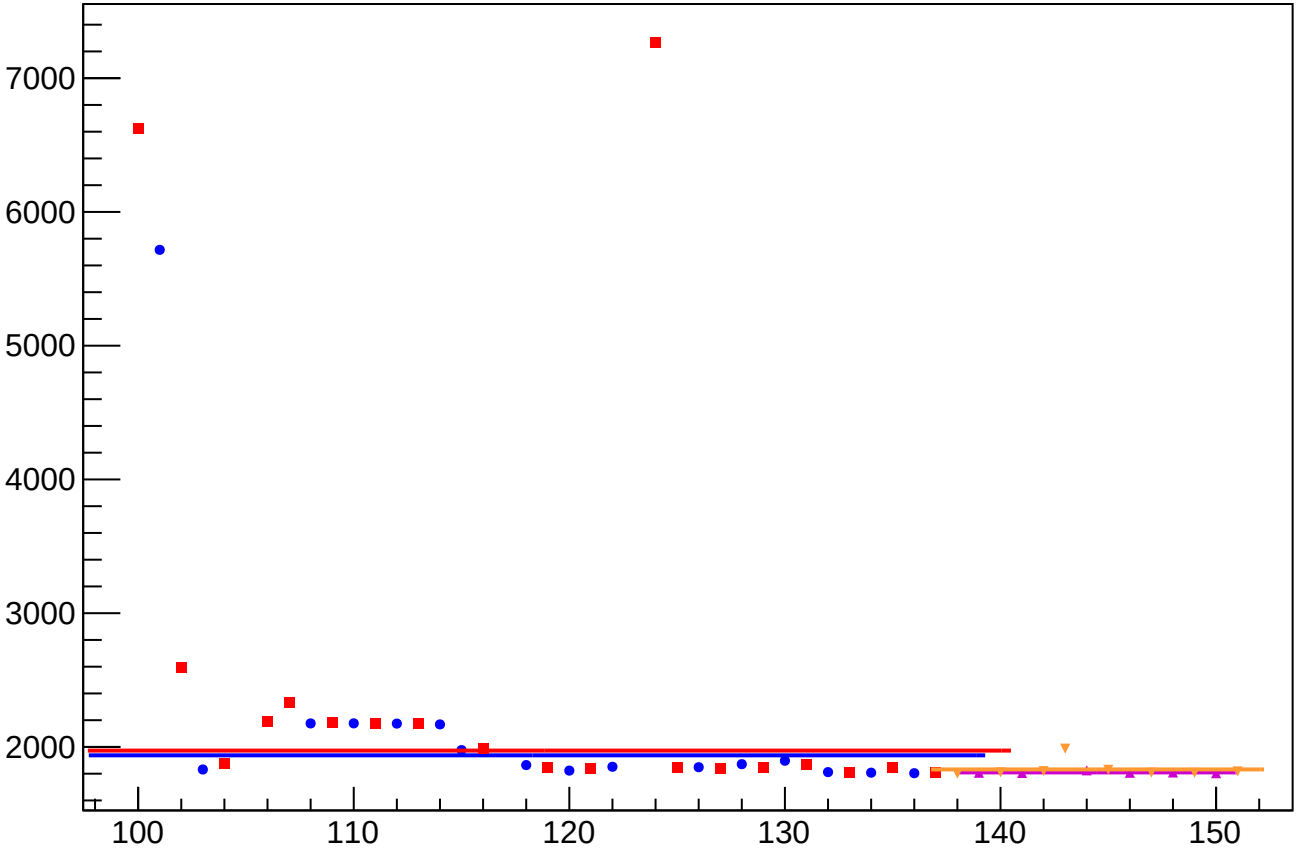
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2126.519+/-537.990 χ^2/NDF:27.0/21

Out: 1794.970+/-520.662 χ^2/NDF:22.4/26

All: 1955.319+/-374.140 χ^2/NDF: 49.6/48

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1831.845+/-0.520 χ^2/NDF:11455.9/7

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1809.655+/-0.557 χ^2/NDF:164.8/5

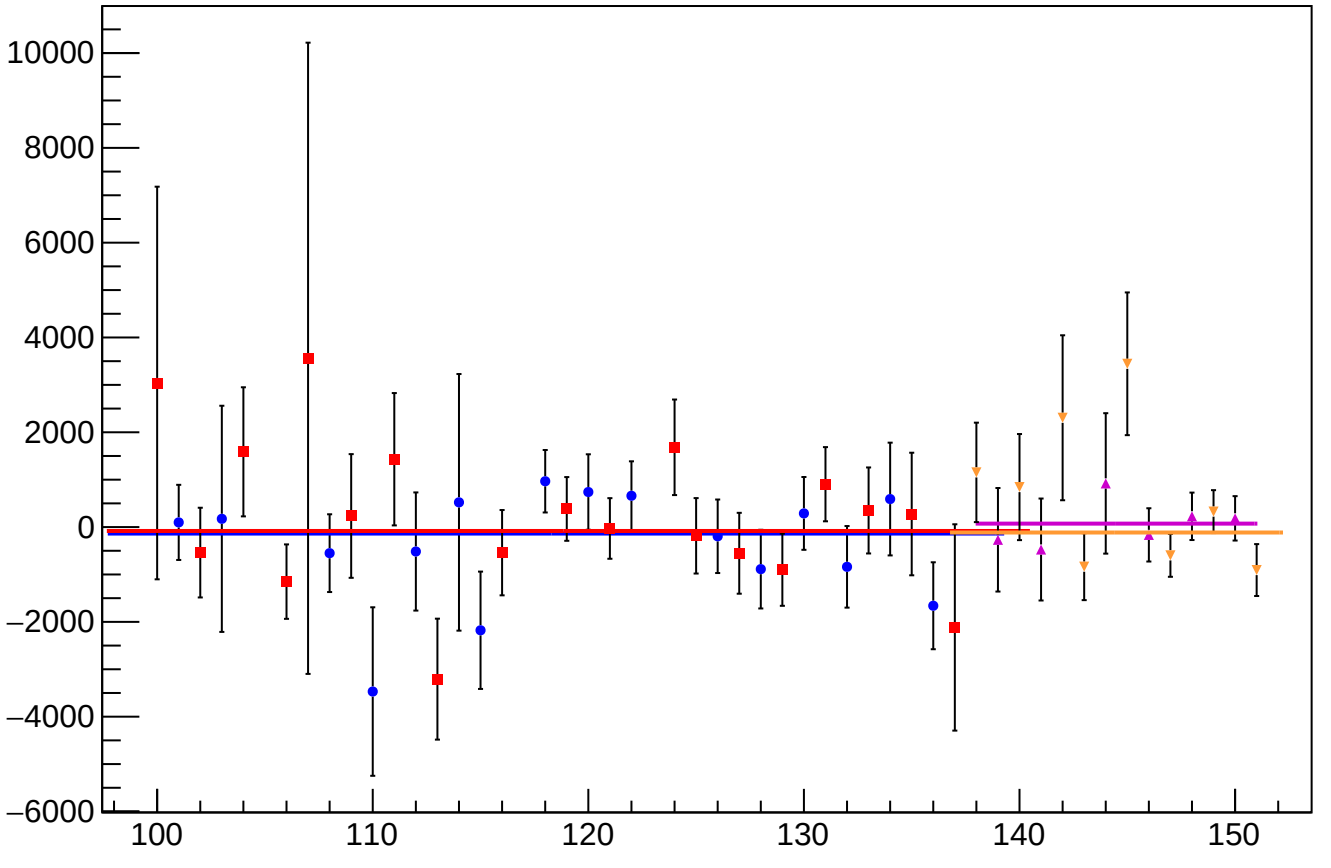
Left: 1821.509+/-0.380 χ^2/NDF: 12467.7/13

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1877.791+/-0.380 χ^2/NDF:666252.7/21

Out: 1902.219+/-0.368 χ^2/NDF:425617.9/26

All: 1890.405+/-0.265 χ^2/NDF: 1093999.7/48



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -114.605+/-238.420 χ^2/NDF:14.9/7

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 72.826+/-268.395 χ^2/NDF:1.0/5

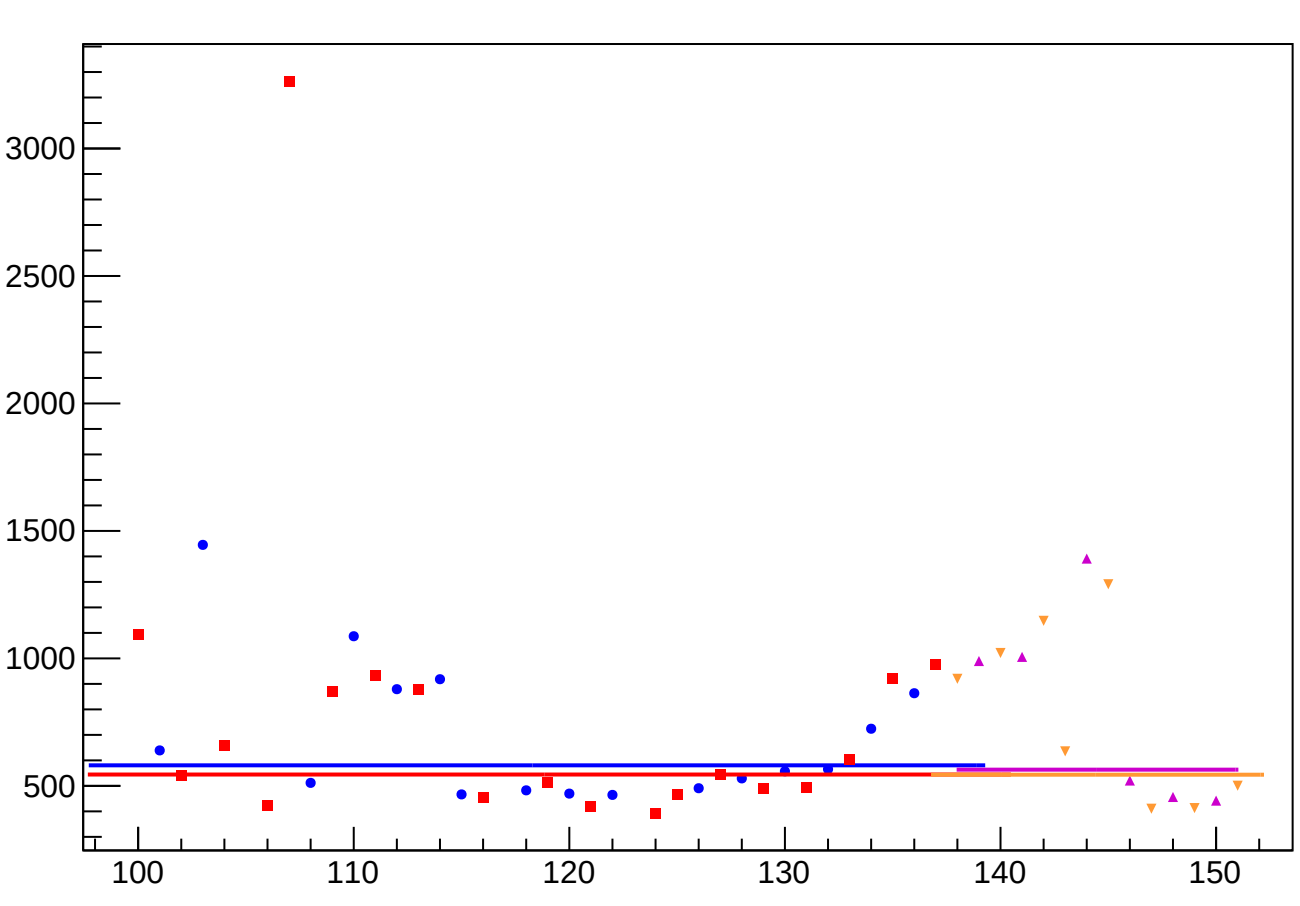
Left: -31.936+/-178.248 χ^2/NDF: 16.2/13

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

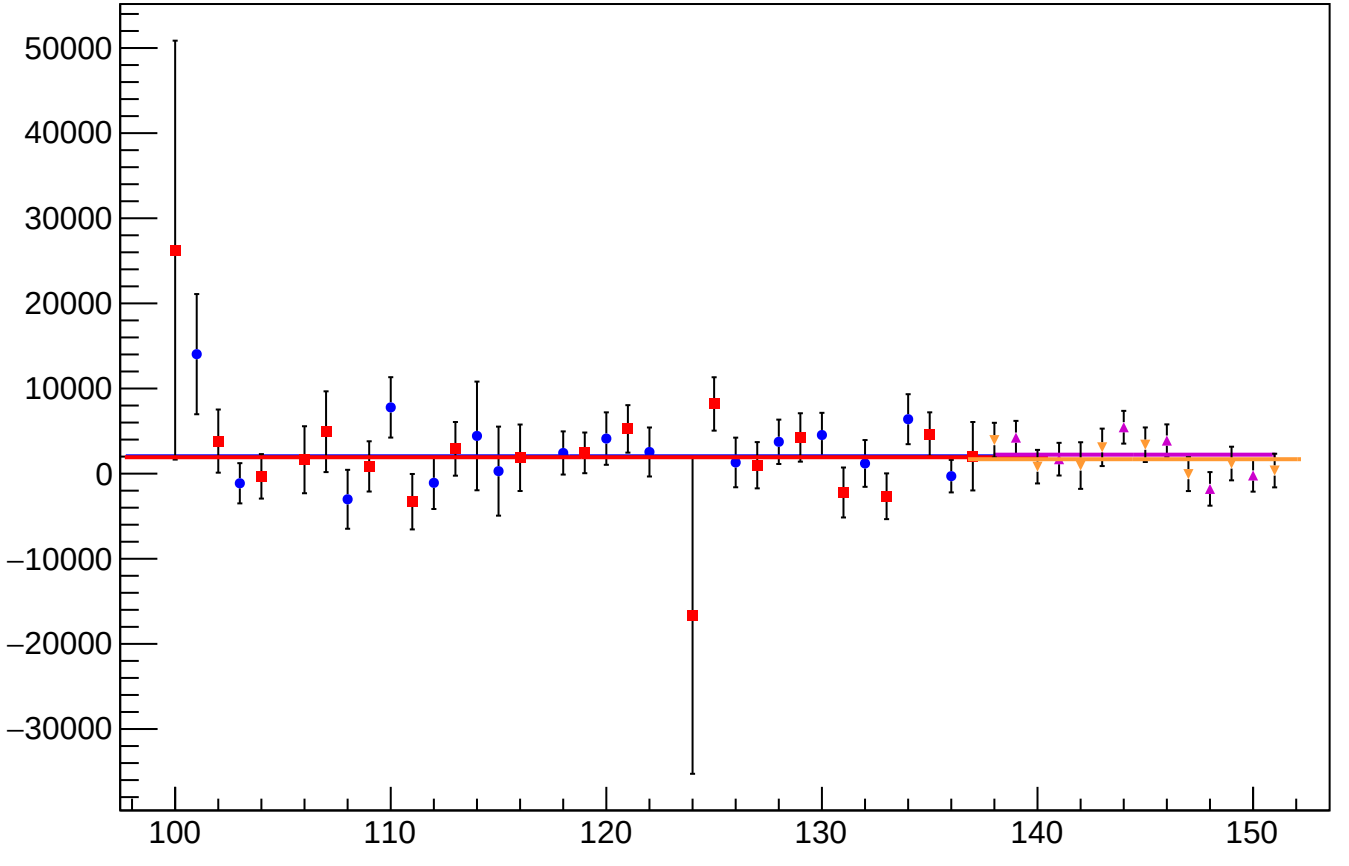
In: -47.759+/-174.834 χ^2/NDF:18.3/21

Out: -97.301+/-162.480 χ^2/NDF:34.7/26

All: -74.342+/-119.019 χ^2/NDF: 53.0/48


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 580.611+/-0.163 χ²/NDF: 1003410.8/15
Left Out: 543.821+/-0.169 χ²/NDF:1741711.4/7
Right Out: 544.530+/-0.157 χ²/NDF: 1287643.0/18
Left In: 563.624+/-0.190 χ²/NDF:1505301.1/5
Left: 552.555+/-0.126 χ²/NDF: 3253098.4/13
Right: 561.900+/-0.113 χ²/NDF: 2316481.8/34
In: 573.403+/-0.124 χ²/NDF:2513323.7/21
Out: 544.201+/-0.115 χ²/NDF:3029363.8/26
All: 557.734+/-0.084 χ²/NDF: 5572626.3/48

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1694.857+/-735.893 χ^2/NDF:3.9/7

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2226.800+/-788.102 χ^2/NDF:10.5/5

Left: 1942.627+/-537.866 χ^2/NDF: 14.6/13

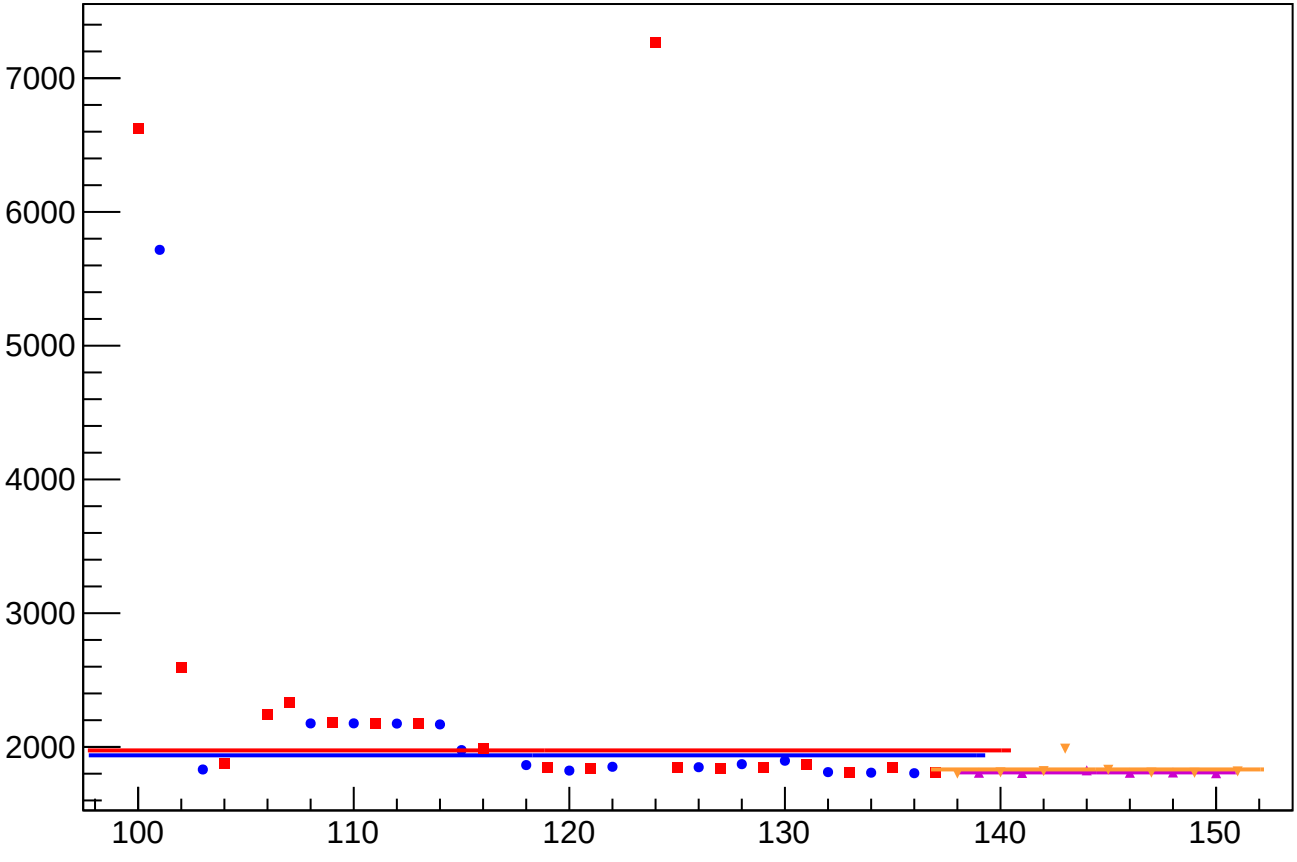
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2126.430+/-537.990 χ^2/NDF:26.9/21

Out: 1810.322+/-520.891 χ^2/NDF:22.4/26

All: 1963.273+/-374.224 χ^2/NDF: 49.5/48

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1831.845+/-0.520 χ^2/NDF:11455.9/7

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1809.655+/-0.557 χ^2/NDF:164.8/5

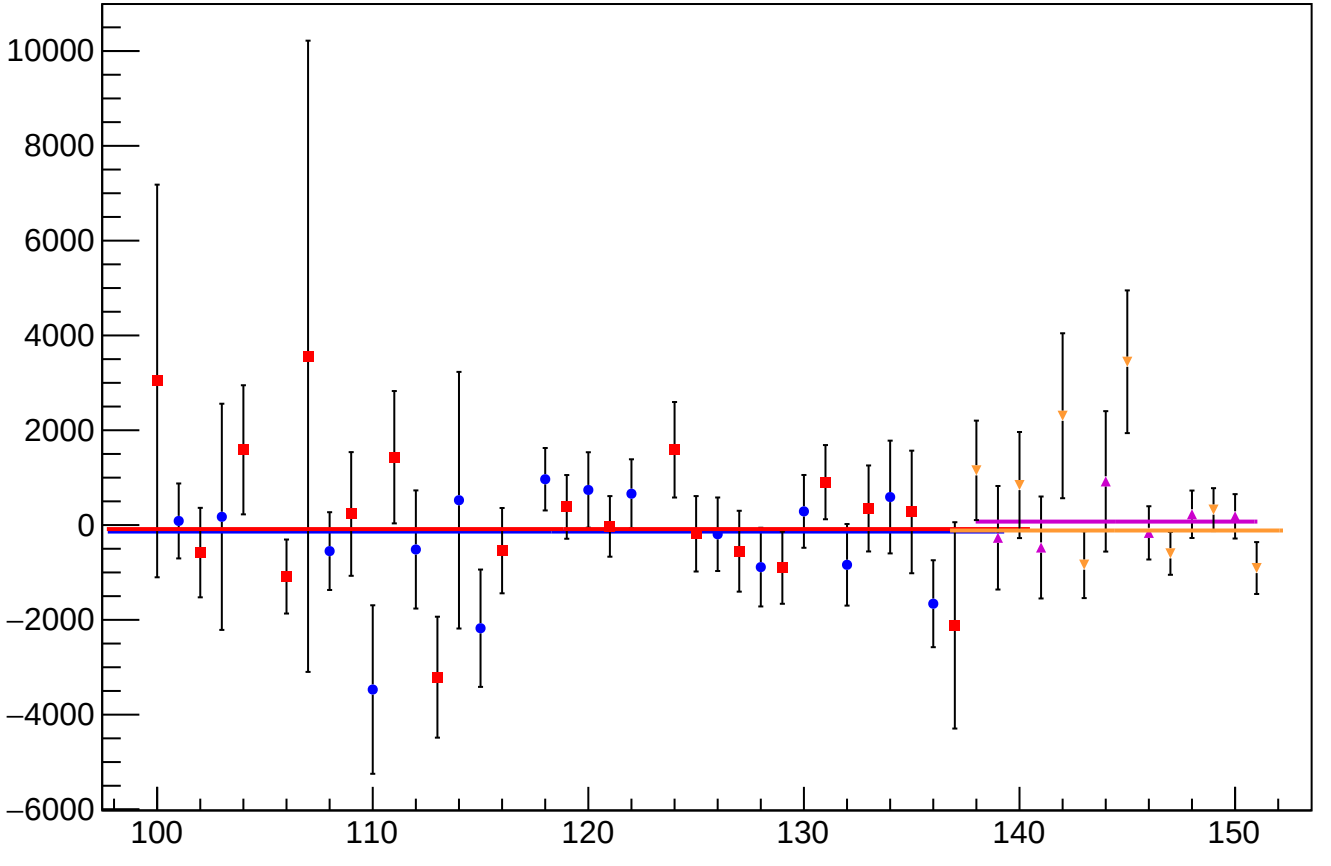
Left: 1821.509+/-0.380 χ^2/NDF: 12467.7/13

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1877.791+/-0.380 χ^2/NDF:666252.6/21

Out: 1902.853+/-0.368 χ^2/NDF:429207.1/26

All: 1890.727+/-0.265 χ^2/NDF: 1097699.9/48



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -114.954+/-238.419 χ^2/NDF:14.9/7

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 72.815+/-268.396 χ^2/NDF:1.0/5

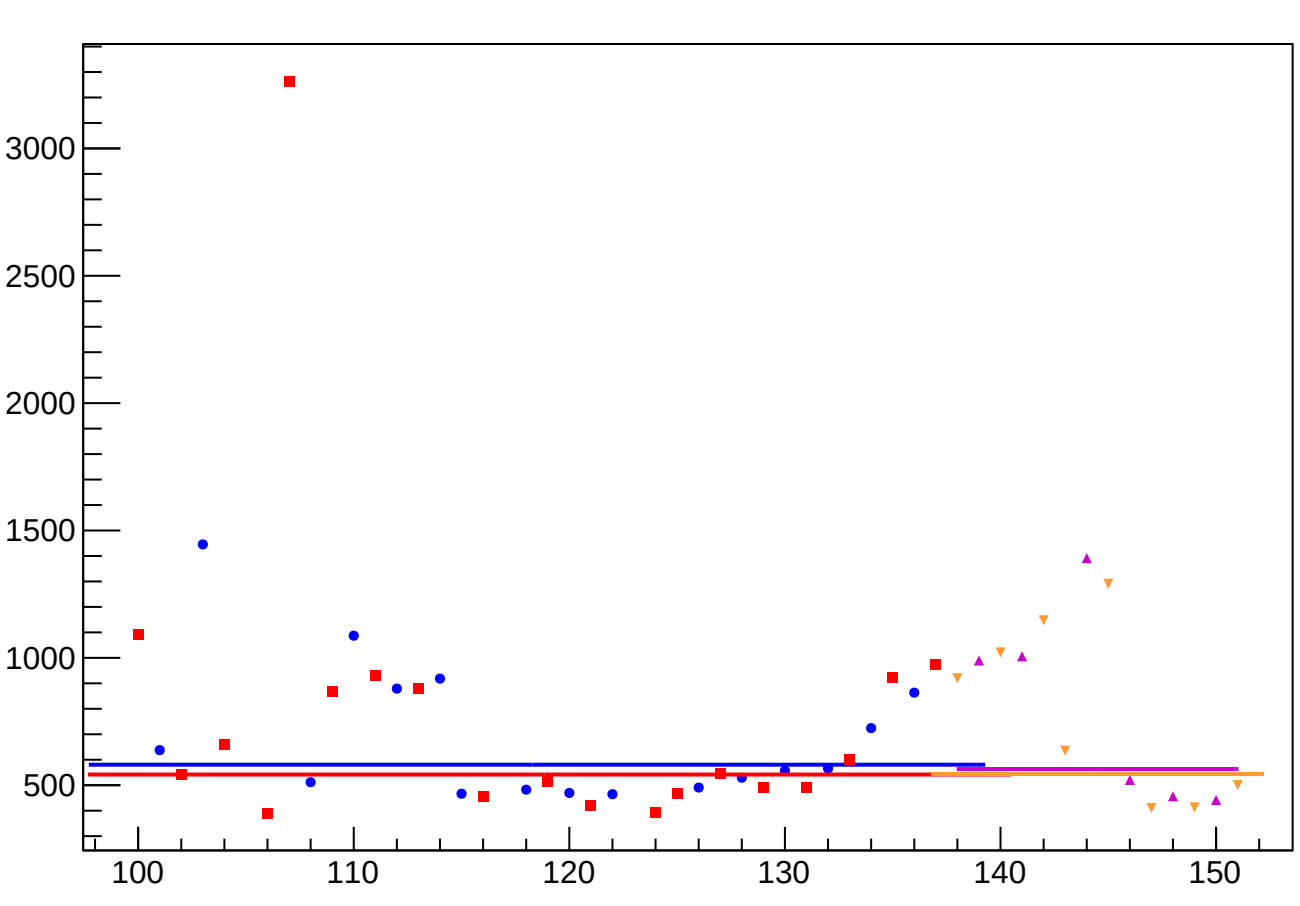
Left: -32.137+/-178.248 χ^2/NDF: 16.2/13

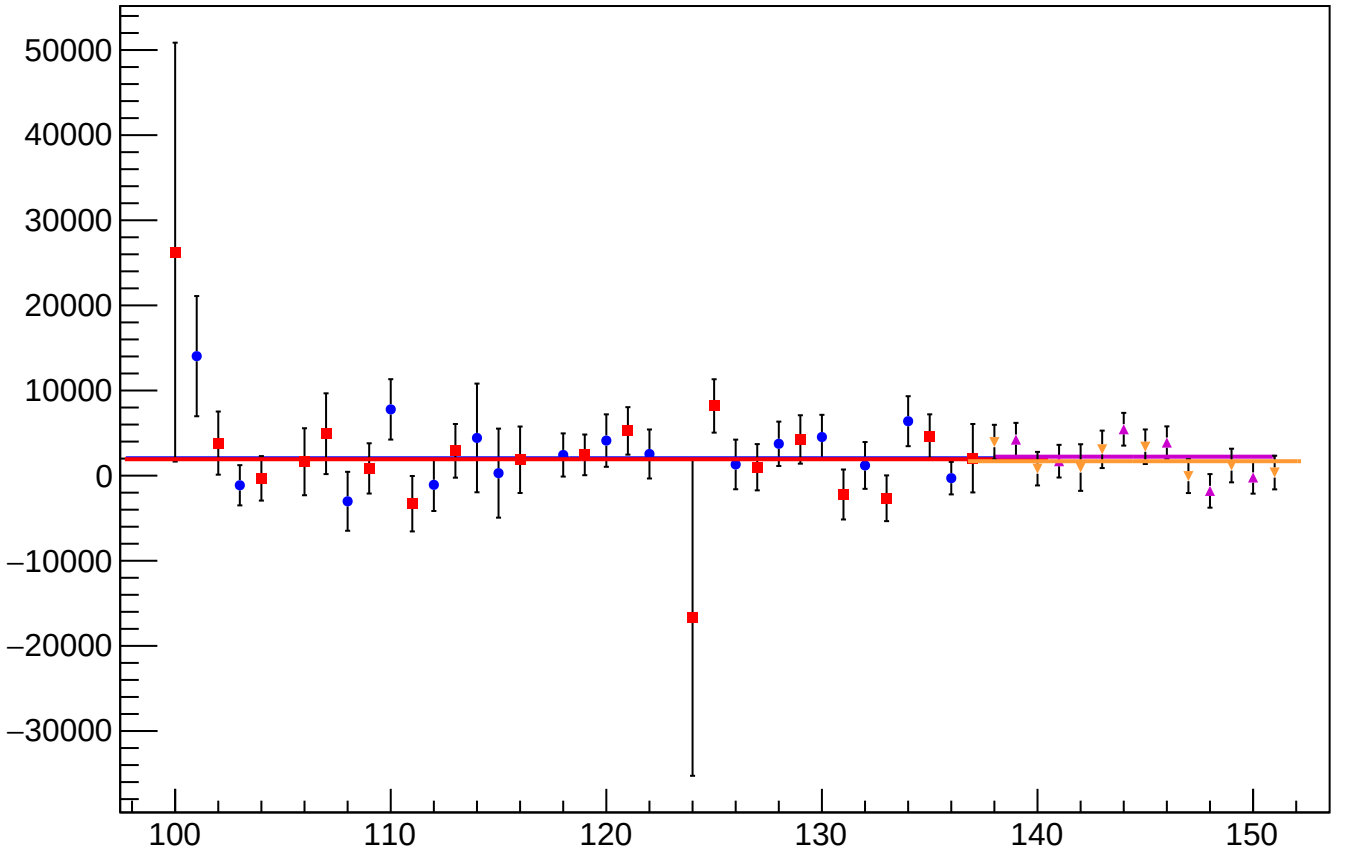
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -48.274+/-174.813 χ^2/NDF:18.3/21

Out: -98.874+/-162.426 χ^2/NDF:34.2/26

All: -75.430+/-118.991 χ^2/NDF: 52.5/48


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 543.817+/-0.169 χ²/NDF:1741704.4/7
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 563.625+/-0.190 χ²/NDF:1505302.9/5
Left: 552.553+/-0.126 χ²/NDF: 3253096.3/13
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 573.352+/-0.124 χ²/NDF:2512765.6/21
Out: 542.810+/-0.115 χ²/NDF:3060621.4/26
All: 556.961+/-0.084 χ²/NDF: 5606150.2/48



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1694.857+/-735.893 χ^2/NDF:3.9/7

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2226.800+/-788.102 χ^2/NDF:10.5/5

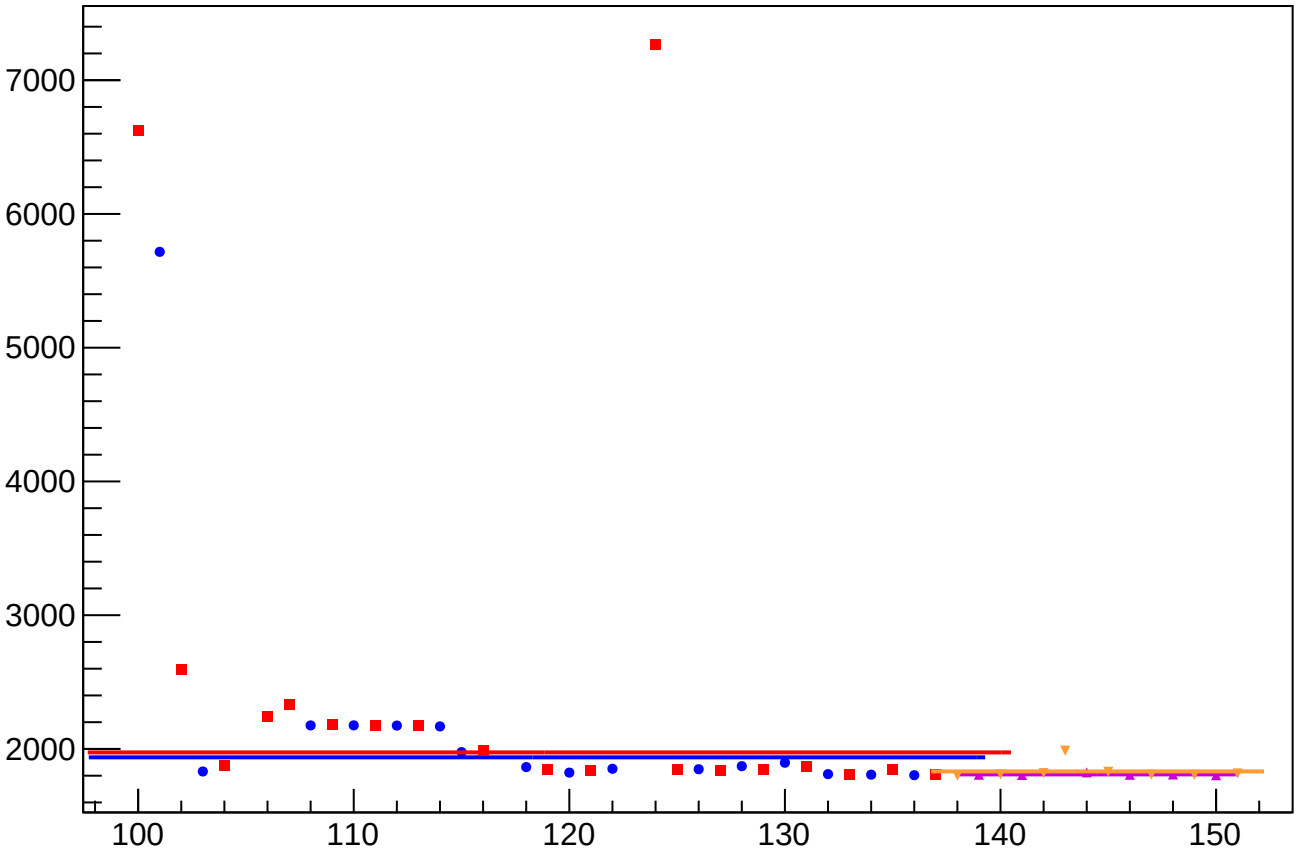
Left: 1942.627+/-537.866 χ^2/NDF: 14.6/13

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2126.430+/-537.990 χ^2/NDF:26.9/21

Out: 1810.322+/-520.891 χ^2/NDF:22.4/26

All: 1963.273+/-374.224 χ^2/NDF: 49.5/48



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1831.845+/-0.520 χ^2/NDF:11455.9/7

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1809.655+/-0.557 χ^2/NDF:164.8/5

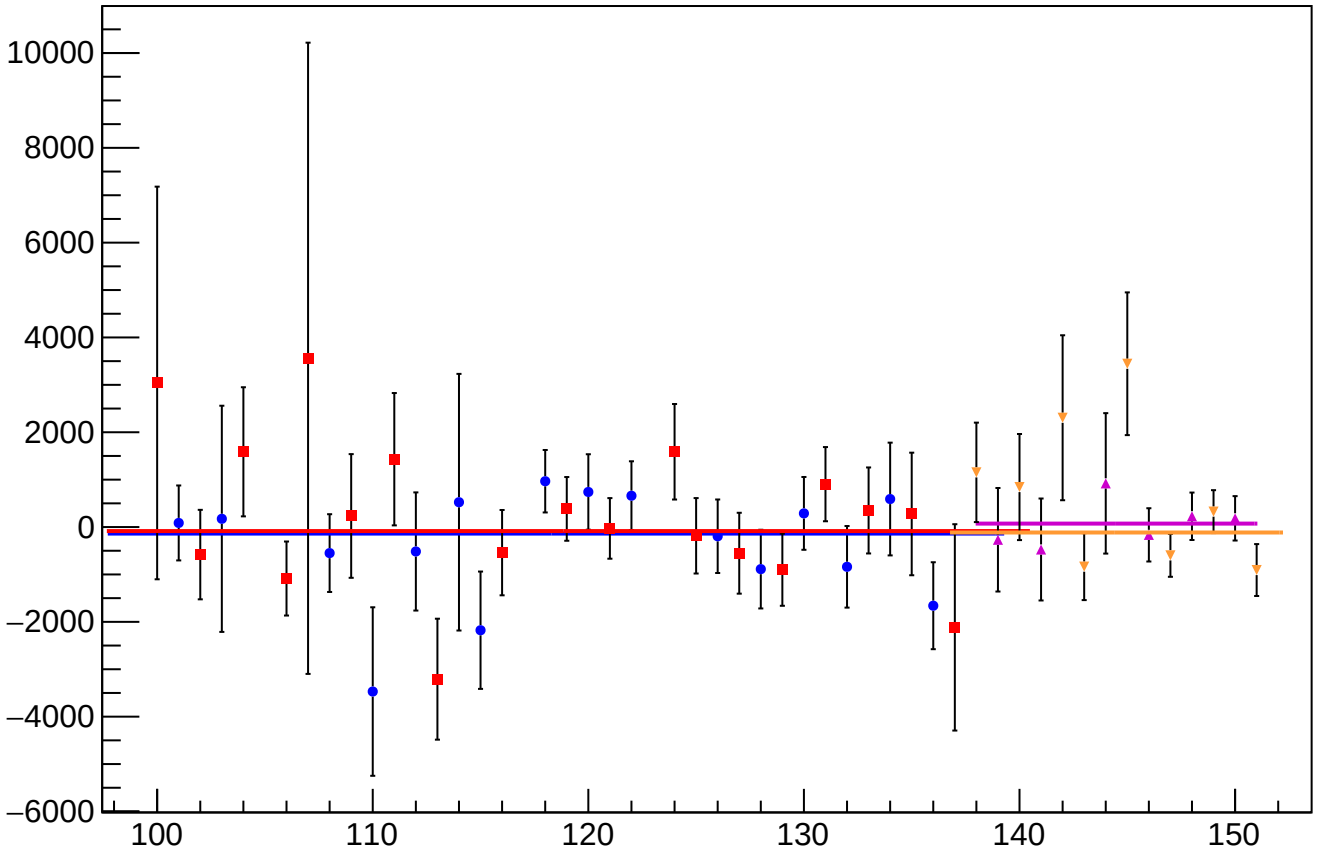
Left: 1821.509+/-0.380 χ^2/NDF: 12467.7/13

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1877.791+/-0.380 χ^2/NDF:666252.6/21

Out: 1902.853+/-0.368 χ^2/NDF:429207.1/26

All: 1890.727+/-0.265 χ^2/NDF: 1097699.9/48



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -114.954+/-238.419 χ^2/NDF:14.9/7

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 72.815+/-268.396 χ^2/NDF:1.0/5

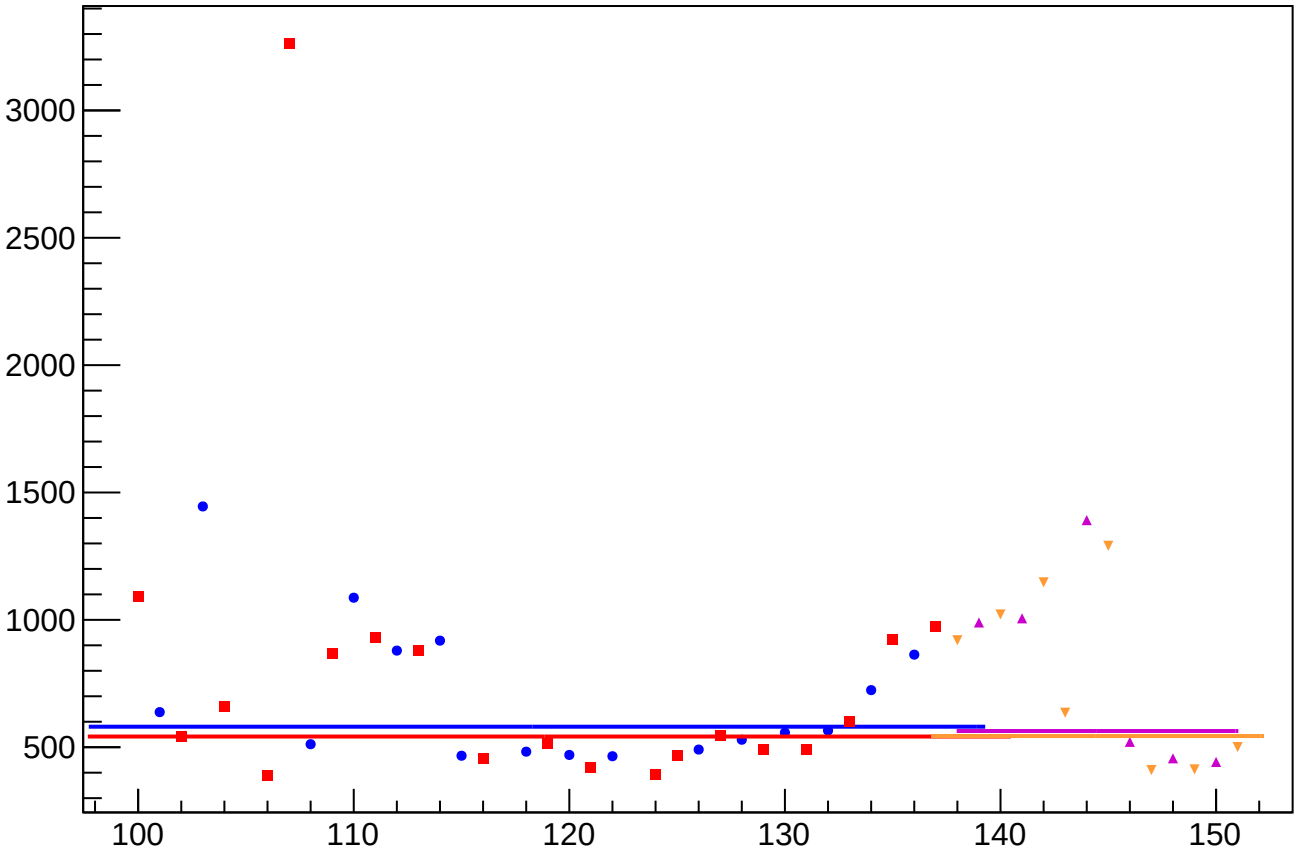
Left: -32.137+/-178.248 χ^2/NDF: 16.2/13

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -48.274+/-174.813 χ^2/NDF:18.3/21

Out: -98.874+/-162.426 χ^2/NDF:34.2/26

All: -75.430+/-118.991 χ^2/NDF: 52.5/48



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 543.817+/-0.169 χ^2/NDF:1741704.4/7

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 563.625+/-0.190 χ^2/NDF:1505302.9/5

Left: 552.553+/-0.126 χ^2/NDF: 3253096.3/13

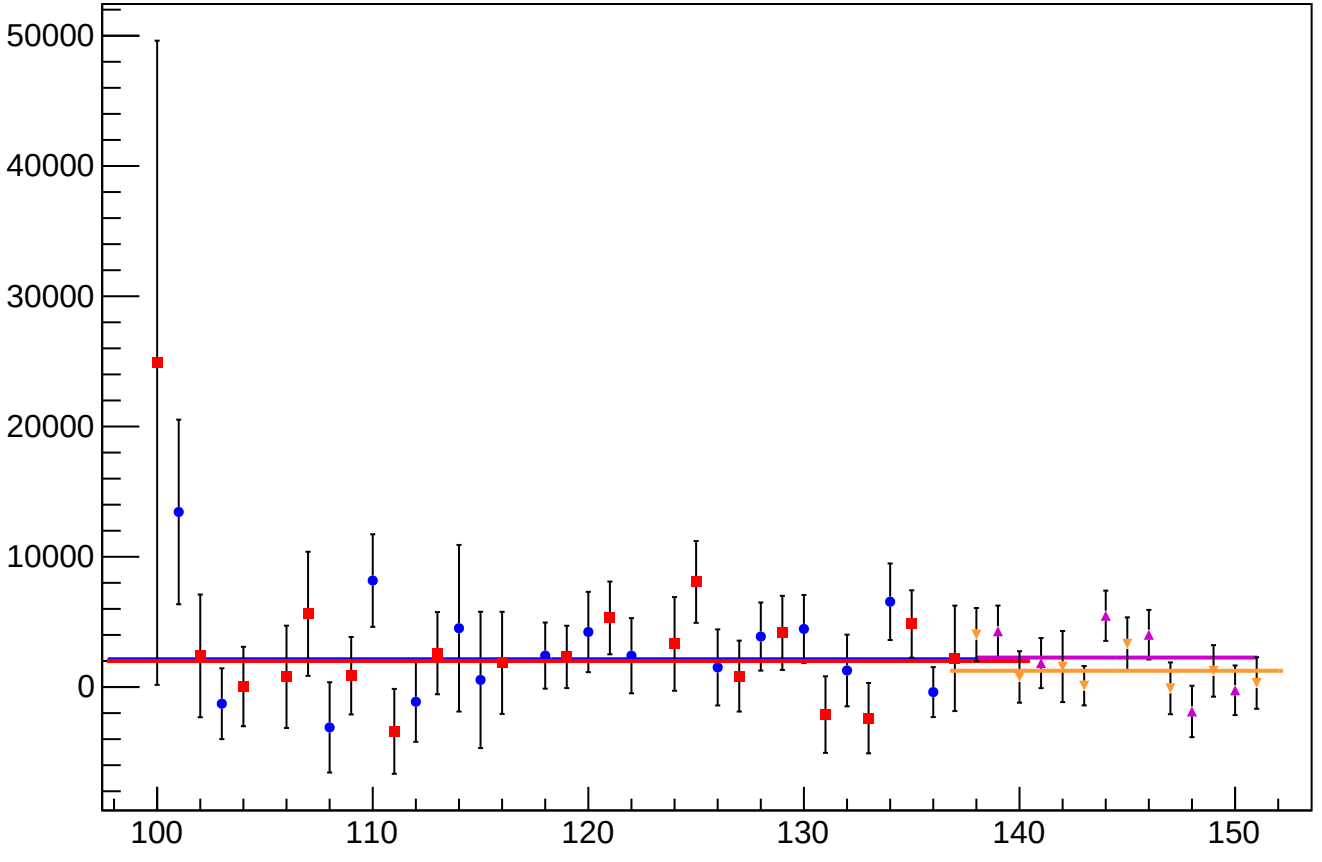
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 573.352+/-0.124 χ^2/NDF:2512765.6/21

Out: 542.810+/-0.115 χ^2/NDF:3060621.4/26

All: 556.961+/-0.084 χ^2/NDF: 5606150.2/48

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1249.189+/-694.212 χ^2/NDF:4.2/7

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2261.736+/-789.243 χ^2/NDF:10.9/5

Left: 1690.863+/-521.260 χ^2/NDF: 16.0/13

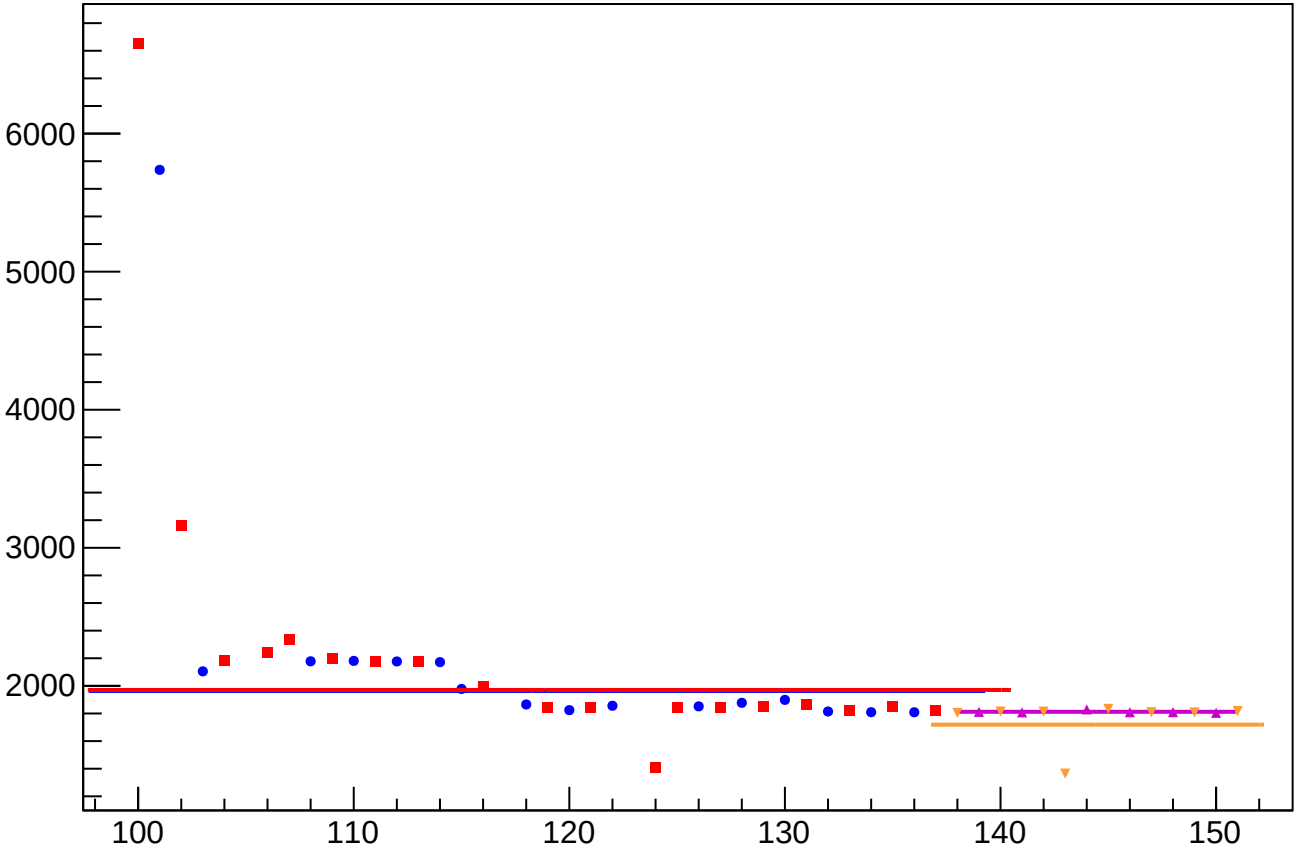
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2191.521+/-542.238 χ^2/NDF:27.4/21

Out: 1603.112+/-505.394 χ^2/NDF:21.5/26

All: 1876.649+/-369.707 χ^2/NDF: 49.5/48

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1718.992+/-0.491 χ^2/NDF:140267.6/7

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1812.224+/-0.558 χ^2/NDF:211.6/5

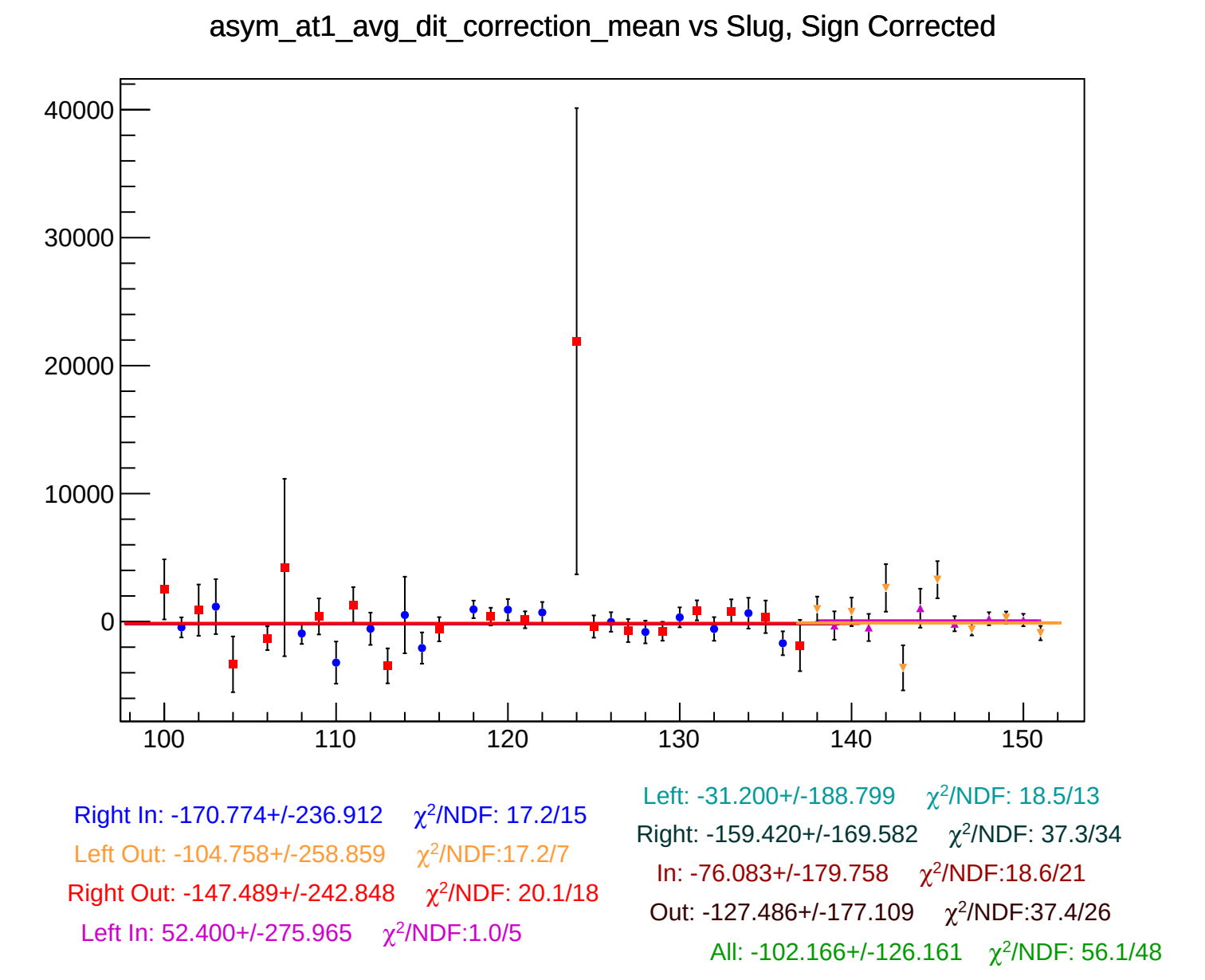
Left: 1759.660+/-0.369 χ^2/NDF: 156213.9/13

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

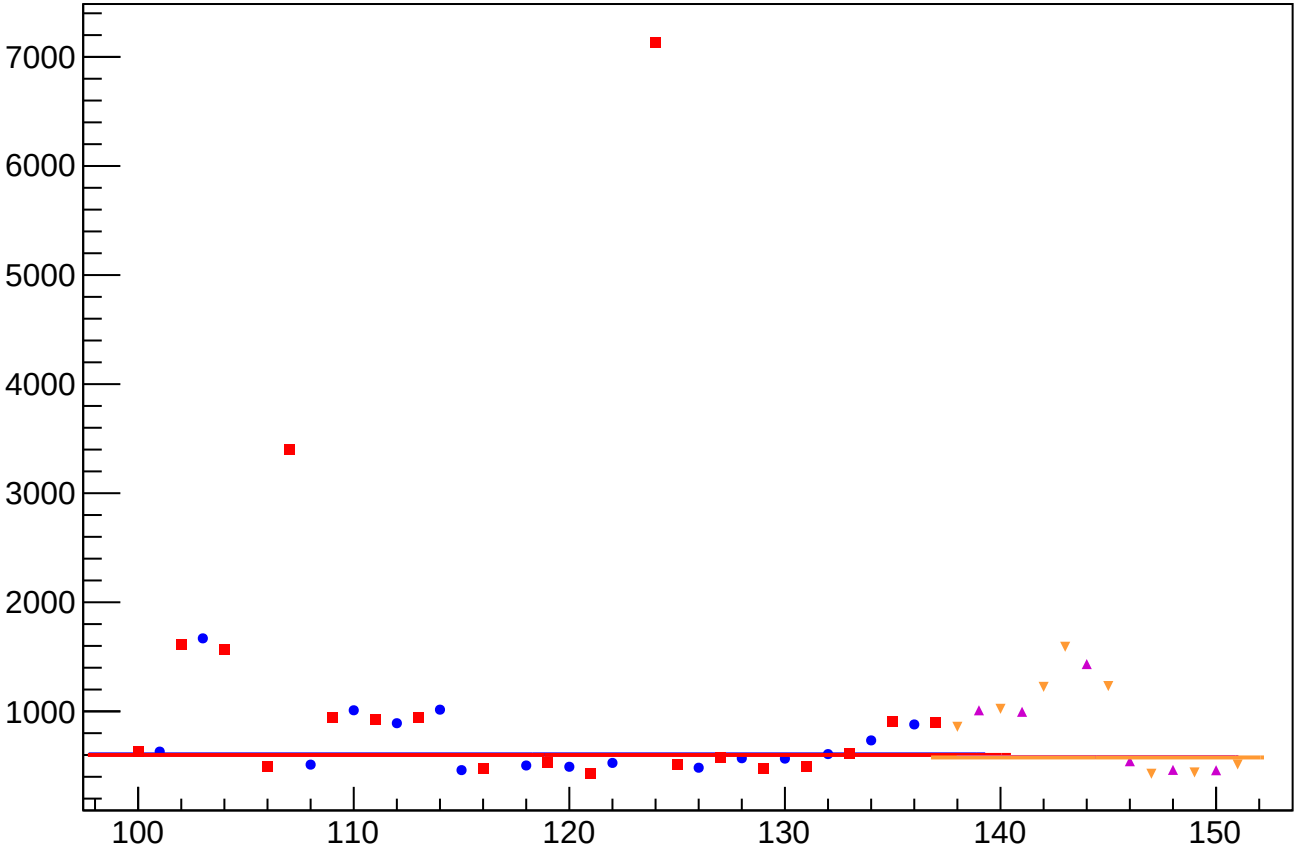
In: 1892.050+/-0.383 χ^2/NDF:679216.6/21

Out: 1837.182+/-0.357 χ^2/NDF:608740.9/26

All: 1862.689+/-0.261 χ^2/NDF: 1298916.0/48


asym_at1_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
100
110
120
130
140
150
Right In: -170.774+/-236.912 χ²/NDF: 17.2/15
Left Out: -104.758+/-258.859 χ²/NDF:17.2/7
Right Out: -147.489+/-242.848 χ²/NDF: 20.1/18
Left In: 52.400+/-275.965 χ²/NDF:1.0/5
Left: -31.200+/-188.799 χ²/NDF: 18.5/13
Right: -159.420+/-169.582 χ²/NDF: 37.3/34
In: -76.083+/-179.758 χ²/NDF:18.6/21
Out: -127.486+/-177.109 χ²/NDF:37.4/26
All: -102.166+/-126.161 χ²/NDF: 56.1/48

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 577.367+/-0.183 χ^2/NDF:2185516.6/7

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 581.574+/-0.195 χ^2/NDF:1471546.2/5

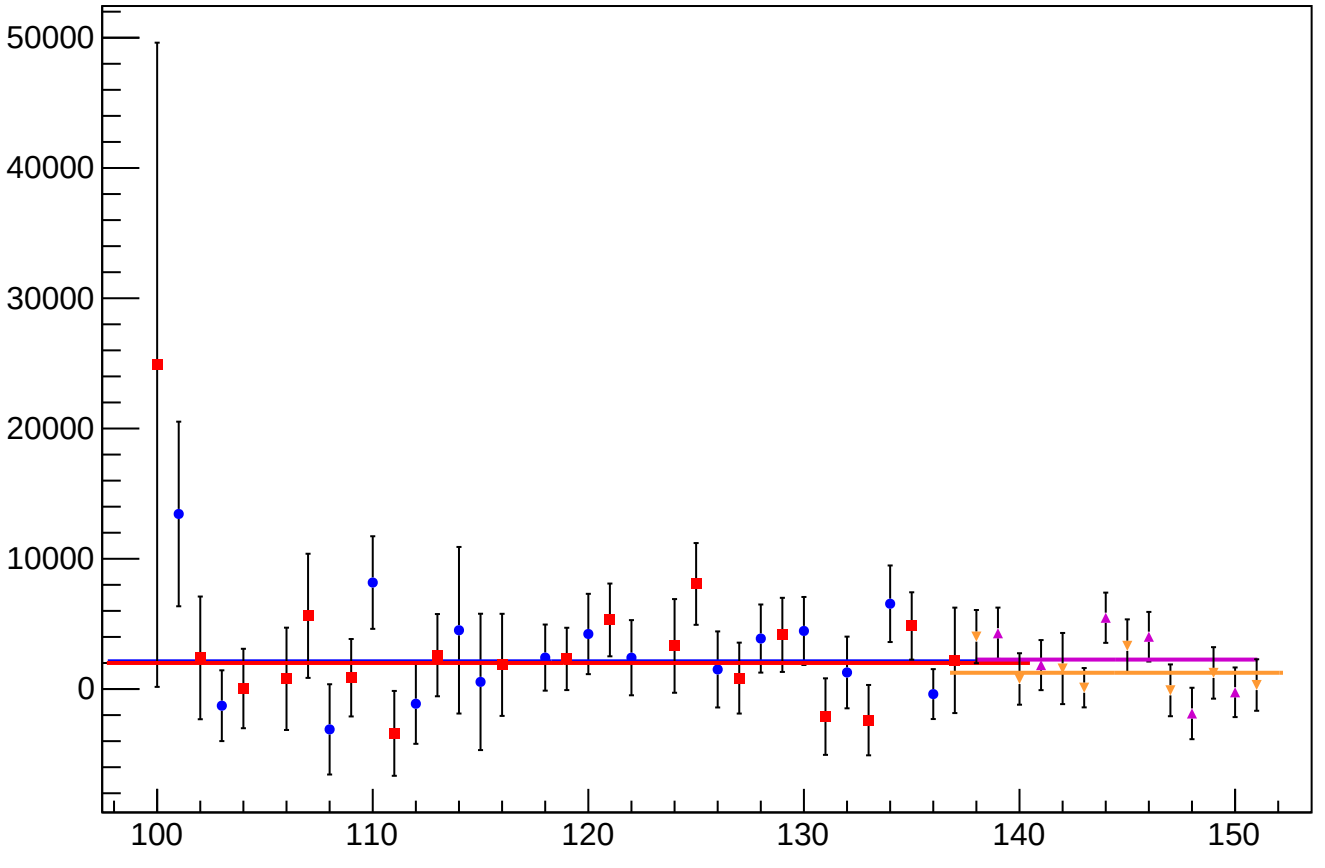
Left: 579.336+/-0.134 χ^2/NDF: 3657310.1/13

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 595.308+/-0.127 χ^2/NDF:2642604.3/21

Out: 589.643+/-0.125 χ^2/NDF:4522496.4/26

All: 592.433+/-0.089 χ^2/NDF: 7166108.6/48



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1249.191+/-694.212 χ^2/NDF:4.2/7

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2261.736+/-789.243 χ^2/NDF:10.9/5

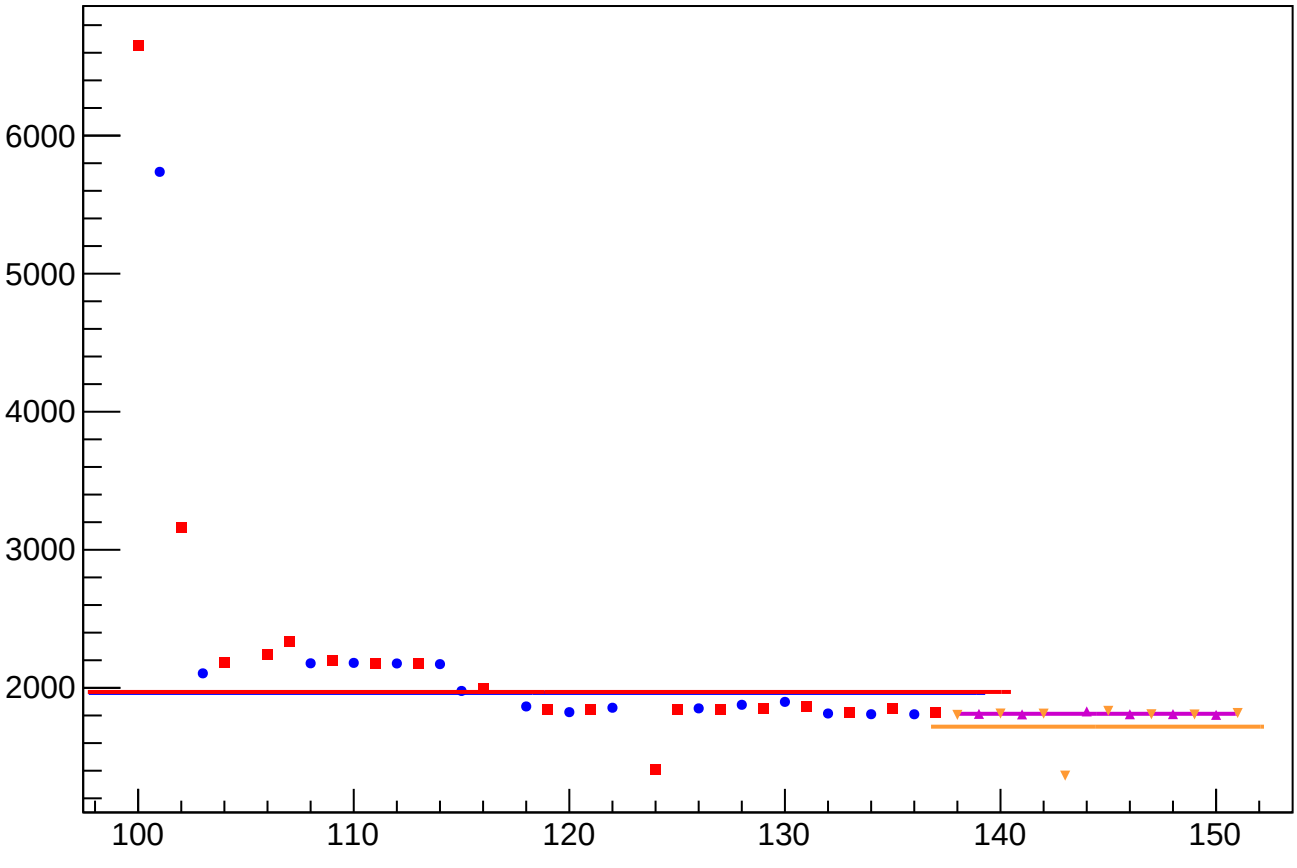
Left: 1690.864+/-521.260 χ^2/NDF: 16.0/13

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2191.520+/-542.238 χ^2/NDF:27.4/21

Out: 1603.112+/-505.394 χ^2/NDF:21.5/26

All: 1876.648+/-369.707 χ^2/NDF: 49.5/48



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1718.992+/-0.491 χ^2/NDF:140267.6/7

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1812.224+/-0.558 χ^2/NDF:211.6/5

Left: 1759.660+/-0.369 χ^2/NDF: 156213.9/13

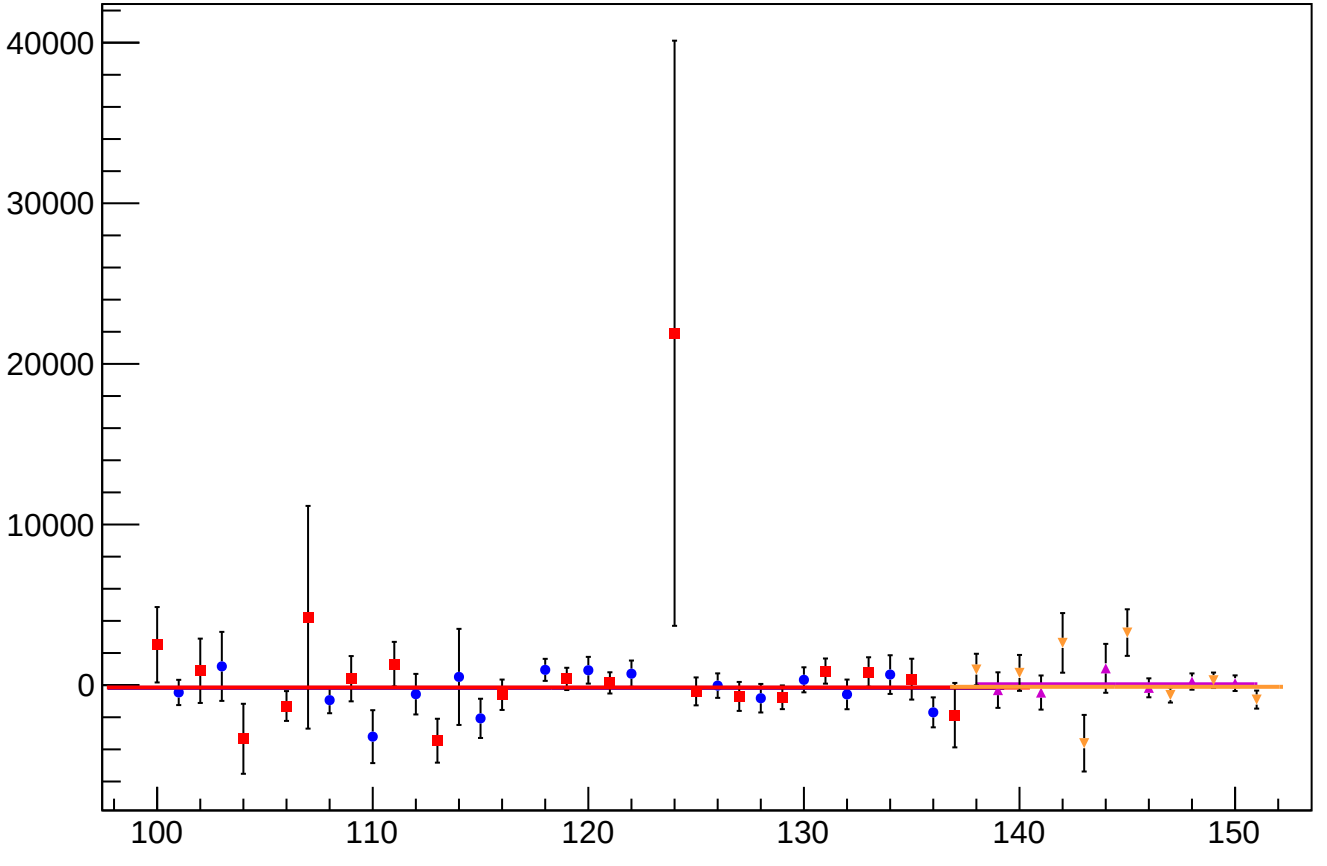
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1892.050+/-0.383 χ^2/NDF:679216.2/21

Out: 1837.182+/-0.357 χ^2/NDF:608739.3/26

All: 1862.688+/-0.261 χ^2/NDF: 1298914.0/48

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: -104.758+/-258.860 χ^2/NDF:17.2/7

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 52.400+/-275.966 χ^2/NDF:1.0/5

Left: -31.200+/-188.799 χ^2/NDF: 18.5/13

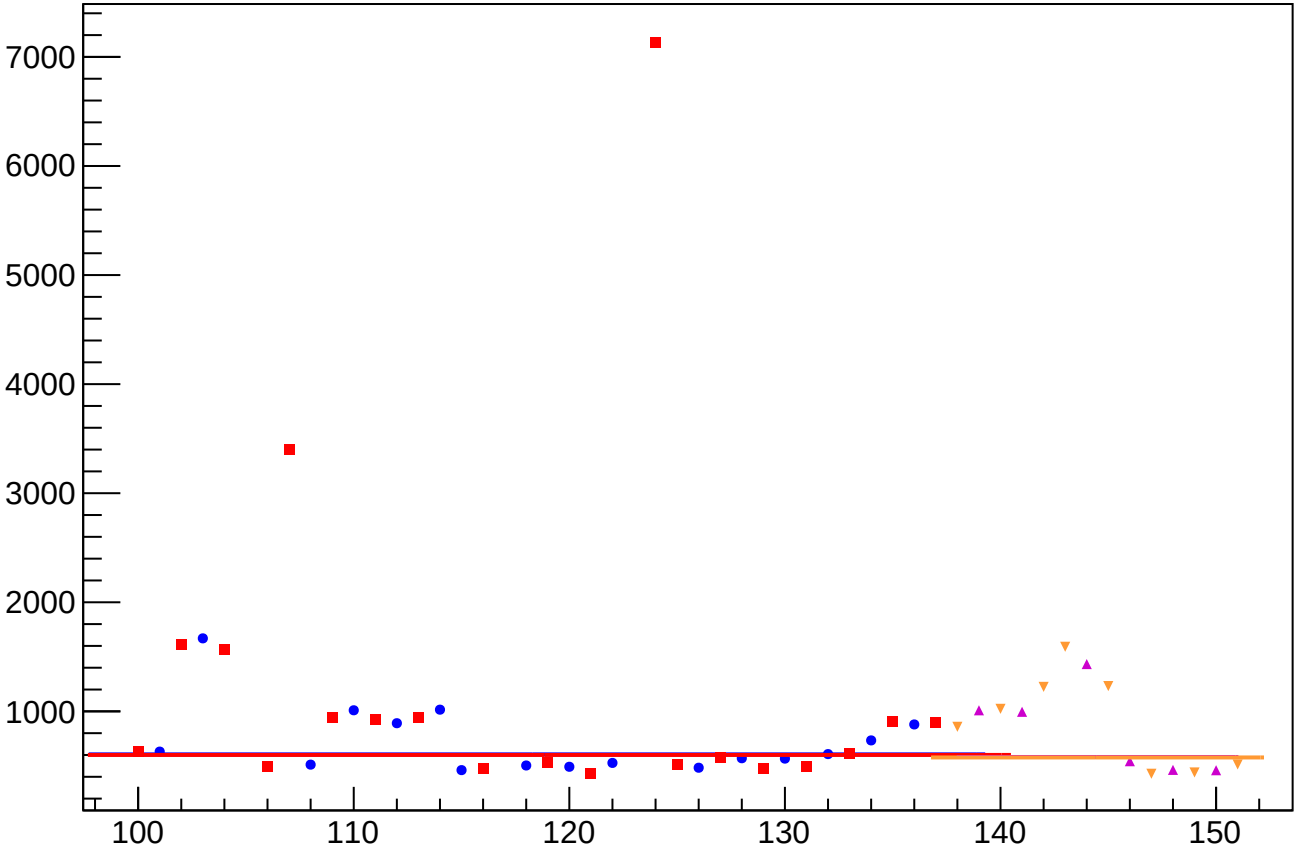
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -76.082+/-179.758 χ^2/NDF:18.6/21

Out: -127.486+/-177.109 χ^2/NDF:37.4/26

All: -102.165+/-126.161 χ^2/NDF: 56.1/48

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: 577.369+/-0.183 χ^2/NDF:2185511.8/7

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 581.576+/-0.195 χ^2/NDF:1471543.3/5

Left: 579.338+/-0.134 χ^2/NDF: 3657302.3/13

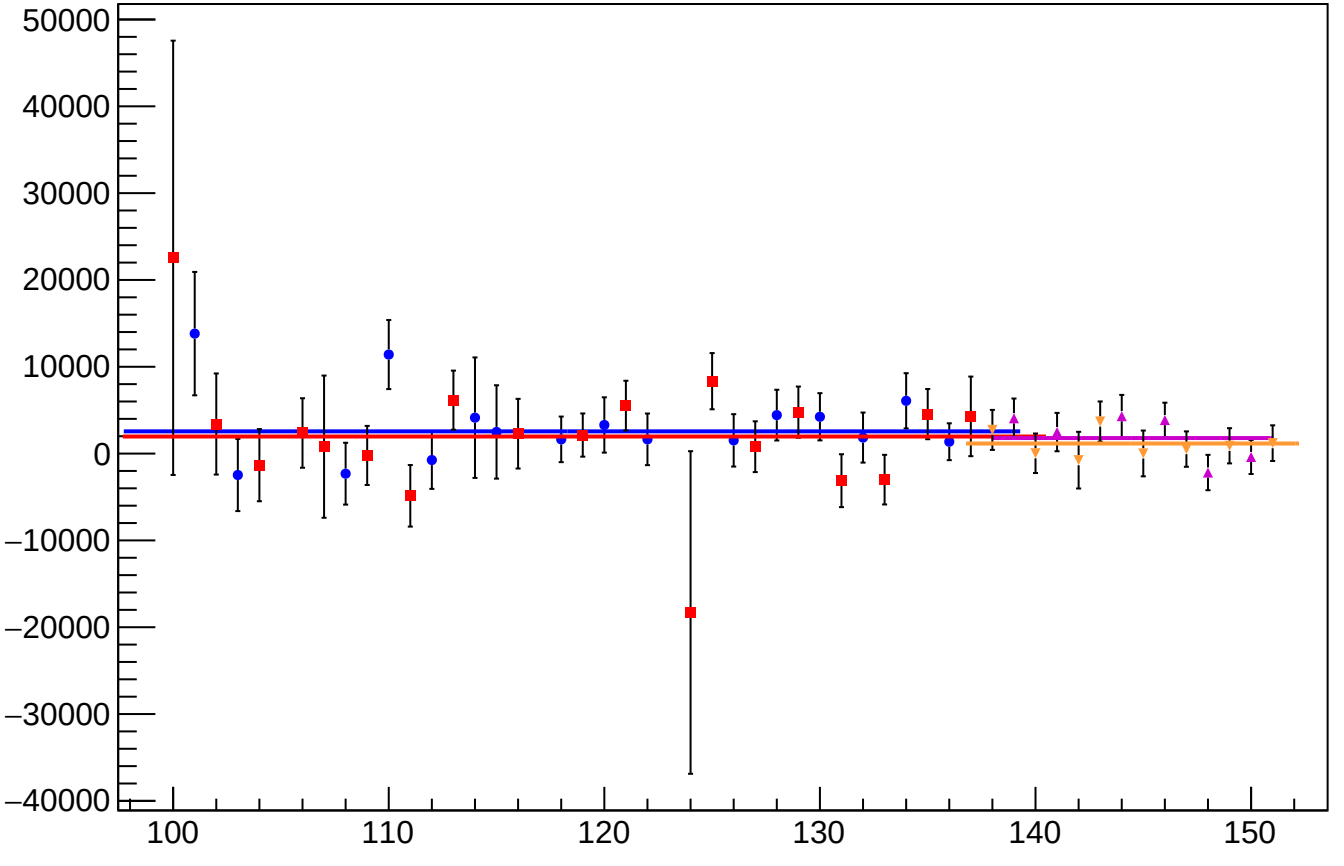
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 595.308+/-0.127 χ^2/NDF:2642607.7/21

Out: 589.643+/-0.125 χ^2/NDF:4522498.1/26

All: 592.434+/-0.089 χ^2/NDF: 7166113.8/48

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1159.855+/-809.309 χ^2/NDF:2.6/7

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1788.904+/-871.722 χ^2/NDF:8.3/5

Left: 1451.056+/-593.106 χ^2/NDF: 11.1/13

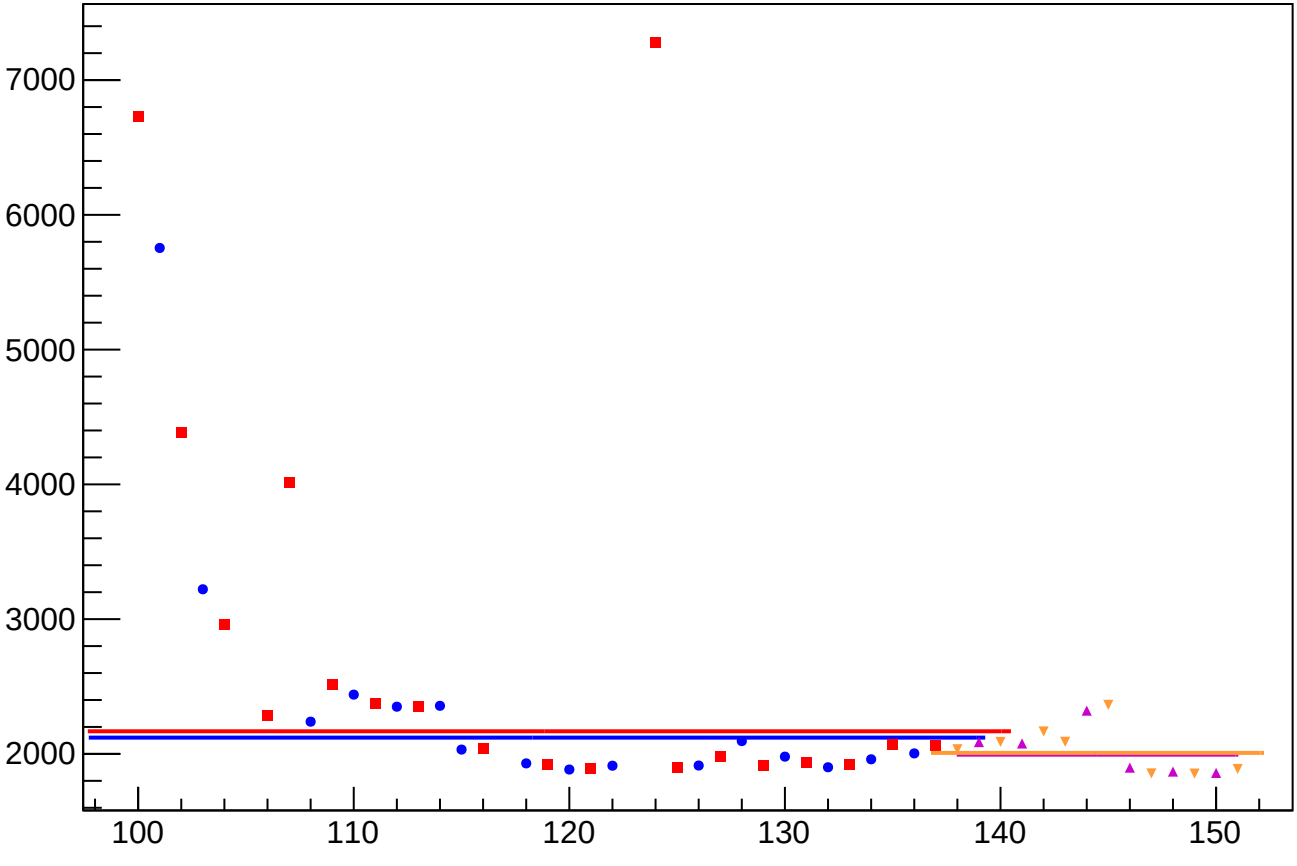
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2203.397+/-593.244 χ^2/NDF:23.3/21

Out: 1558.570+/-575.608 χ^2/NDF:24.6/26

All: 1871.257+/-413.110 χ^2/NDF: 48.5/48

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2007.423+/-0.572 χ^2/NDF:76083.8/7

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1994.266+/-0.616 χ^2/NDF:63505.7/5

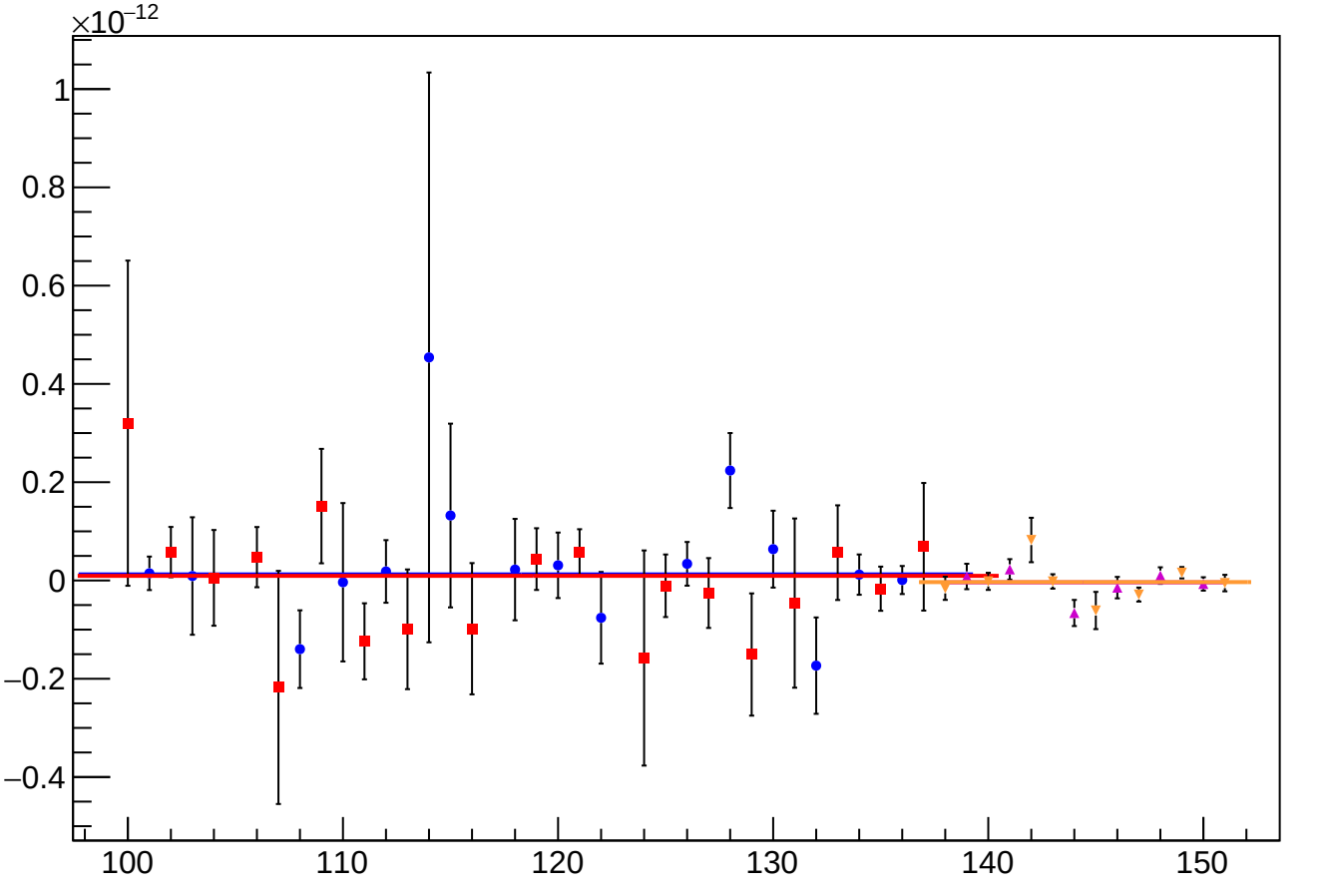
Left: 2001.332+/-0.419 χ^2/NDF: 139834.2/13

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2062.185+/-0.419 χ^2/NDF:846090.0/21

Out: 2086.693+/-0.407 χ^2/NDF:938838.7/26

All: 2074.809+/-0.292 χ^2/NDF: 1786686.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/5

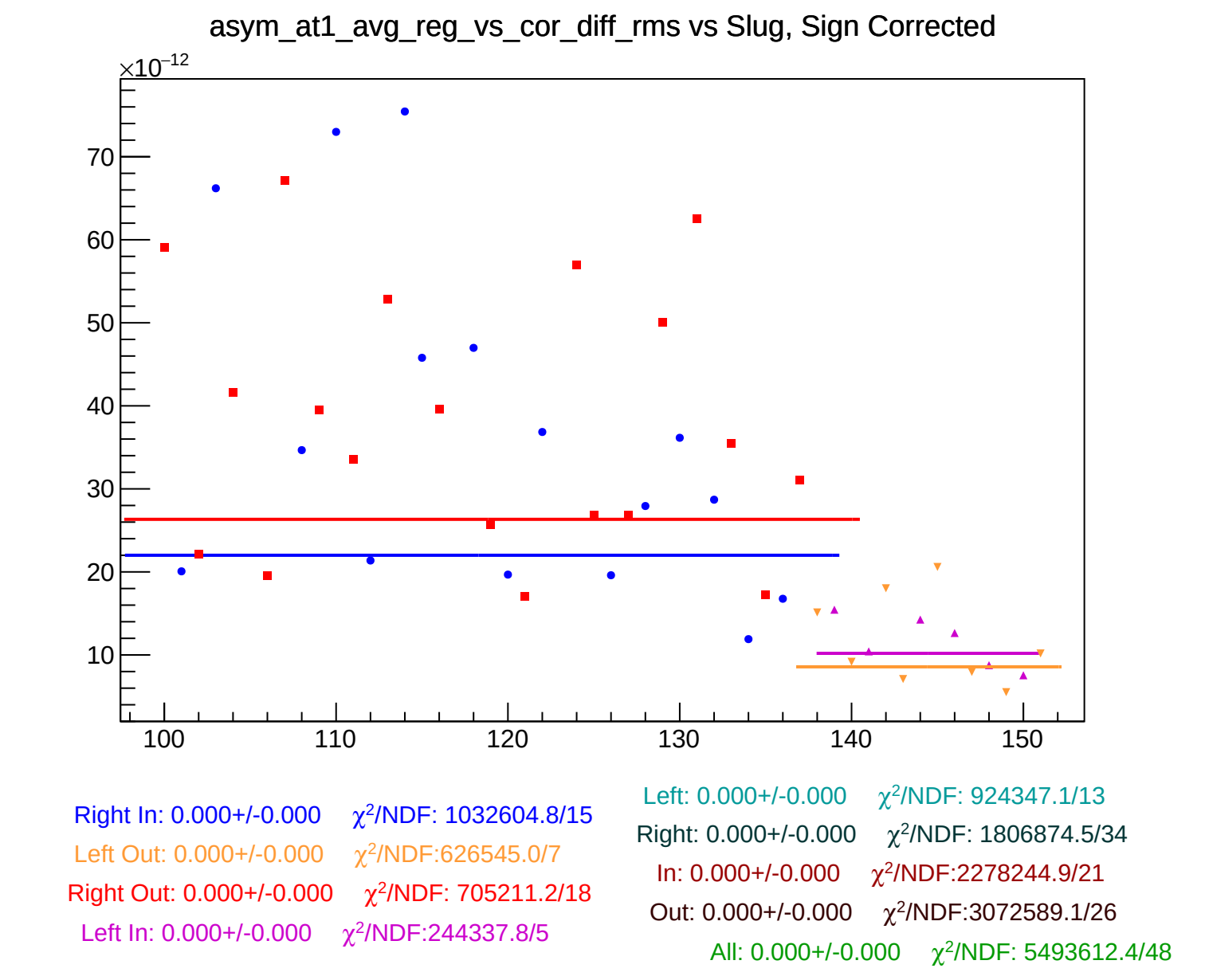
Left: -0.000+/-0.000 χ^2/NDF: 20.4/13

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

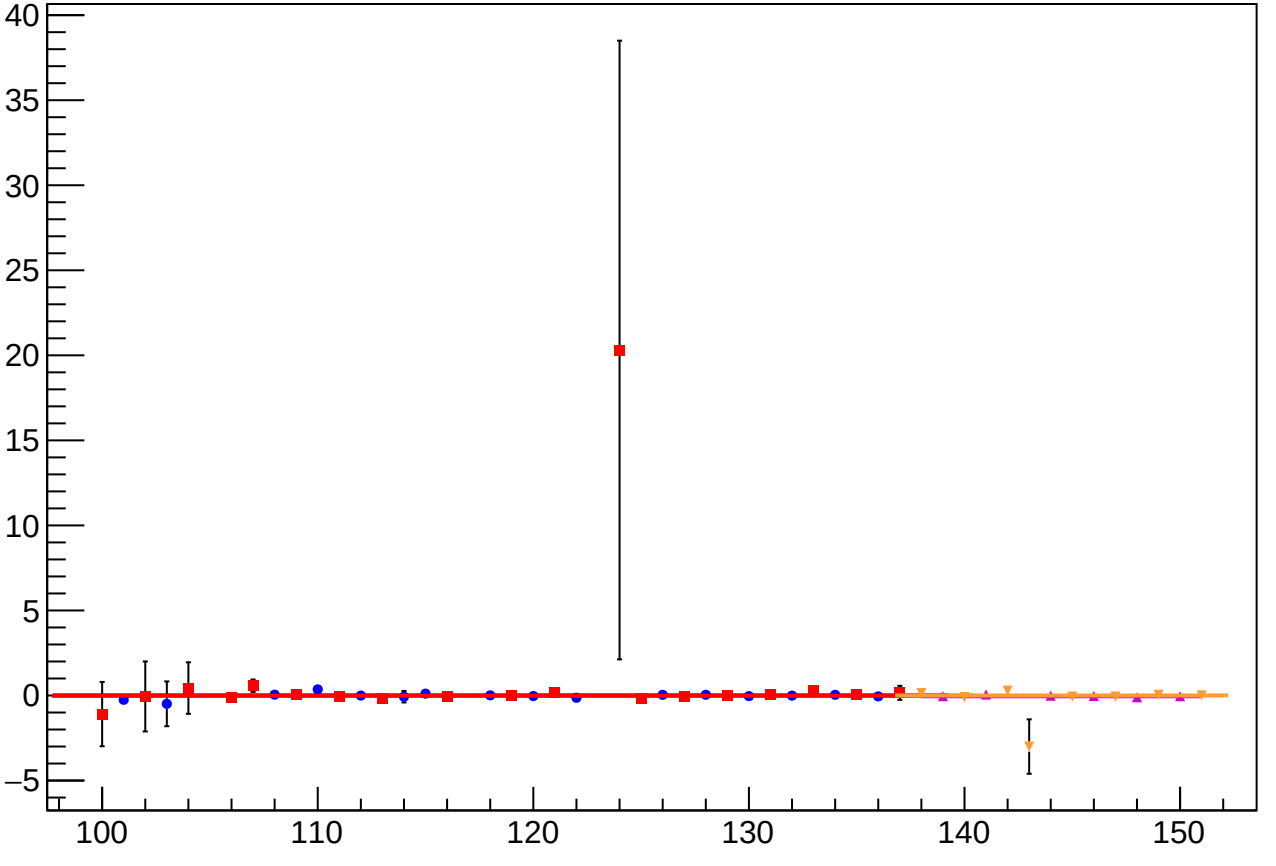
In: -0.000+/-0.000 χ^2/NDF:27.0/21

Out: -0.000+/-0.000 χ^2/NDF:26.4/26

All: -0.000+/-0.000 χ^2/NDF: 53.4/48


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:626545.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:244337.8/5
Left: 0.000+/-0.000 χ²/NDF: 924347.1/13
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:2278244.9/21
Out: 0.000+/-0.000 χ²/NDF:3072589.1/26
All: 0.000+/-0.000 χ²/NDF: 5493612.4/48

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.044+/-0.024 χ^2/NDF:3.7/5

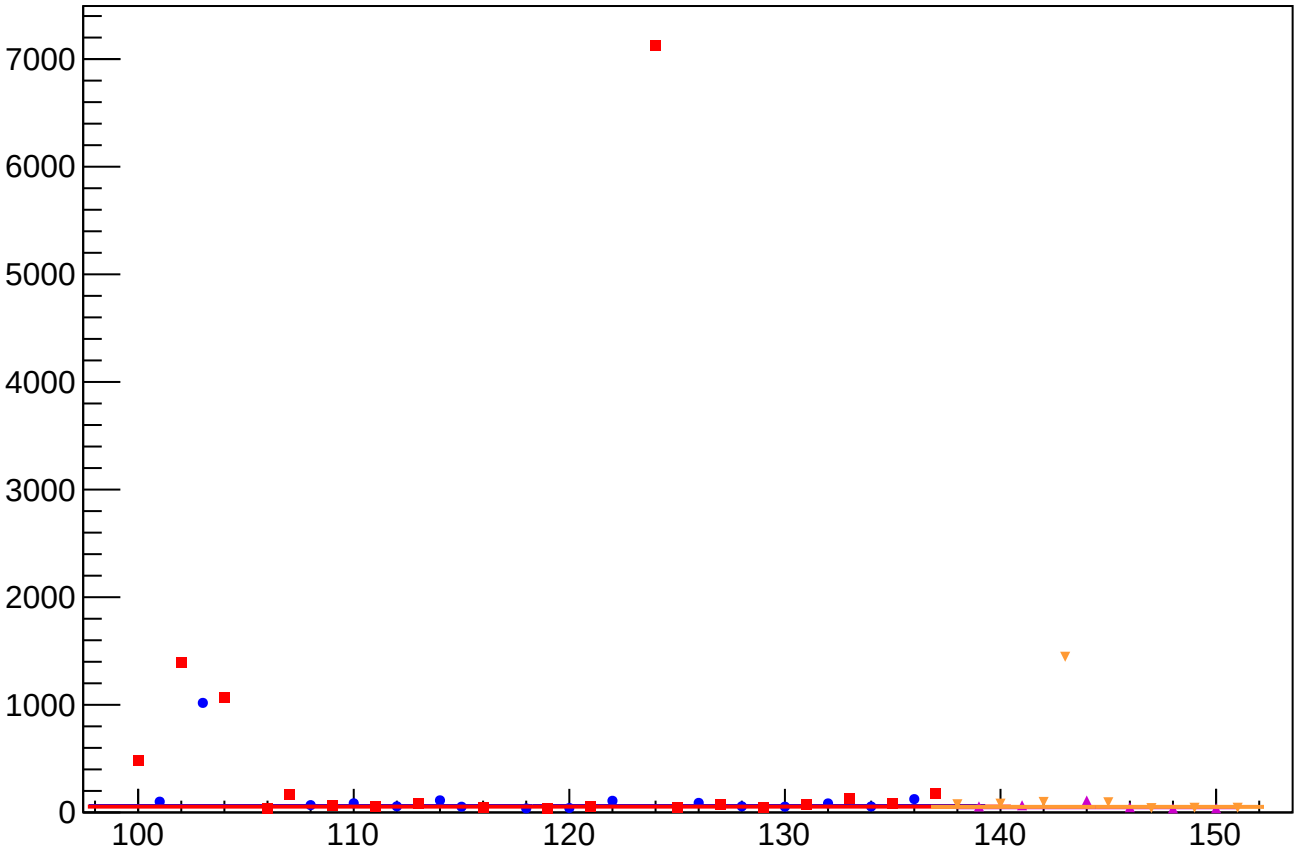
Left: -0.023+/-0.017 χ^2/NDF: 18.8/13

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.023+/-0.018 χ^2/NDF:16.9/21

Out: -0.006+/-0.018 χ^2/NDF:31.1/26

All: -0.014+/-0.013 χ^2/NDF: 48.5/48



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 51.827+/-0.018 χ^2/NDF:2528897.1/7

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 48.441+/-0.017 χ^2/NDF:864338.9/5

Left: 50.049+/-0.012 χ^2/NDF: 3412230.9/13

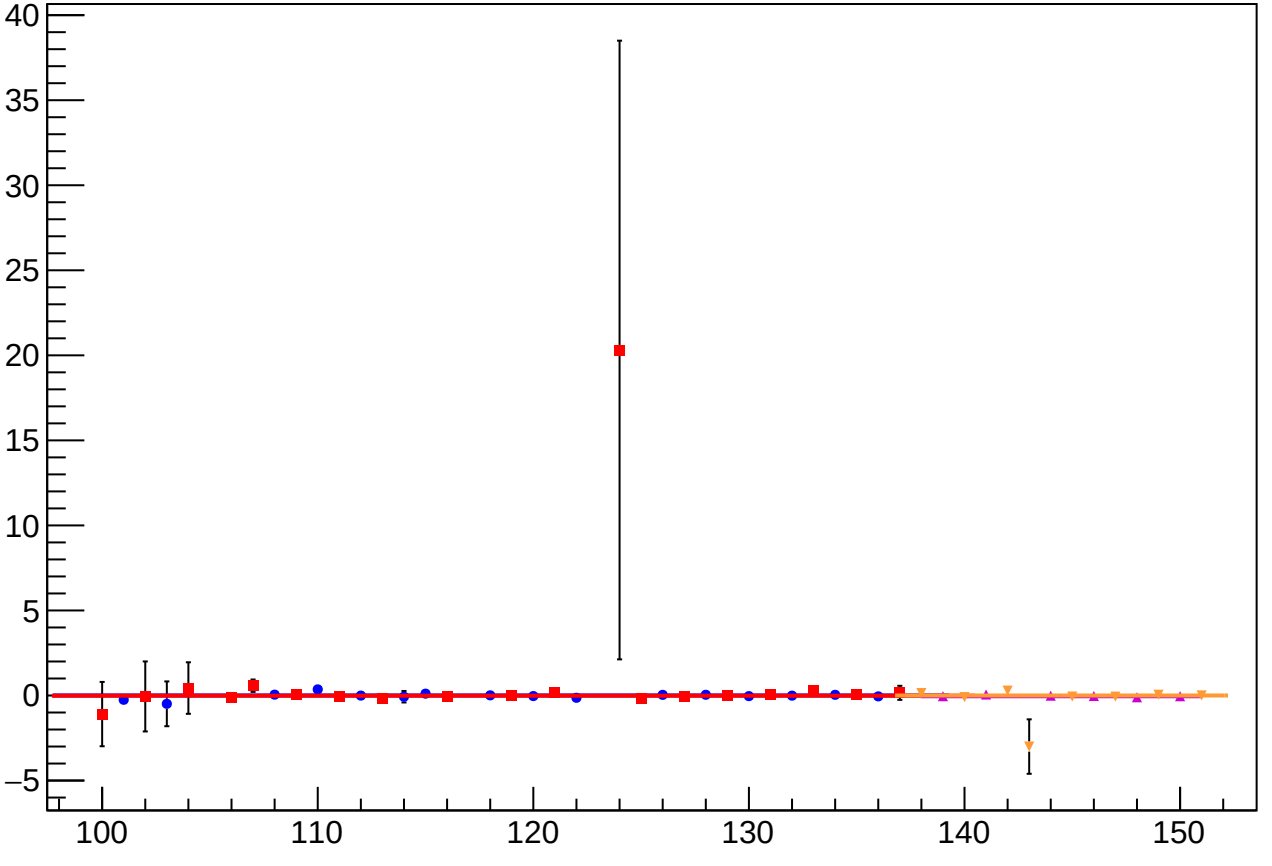
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 53.516+/-0.013 χ^2/NDF:3605150.9/21

Out: 53.007+/-0.013 χ^2/NDF:6059503.9/26

All: 53.264+/-0.009 χ^2/NDF: 9665460.4/48

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: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.044+/-0.024 χ^2/NDF:3.7/5

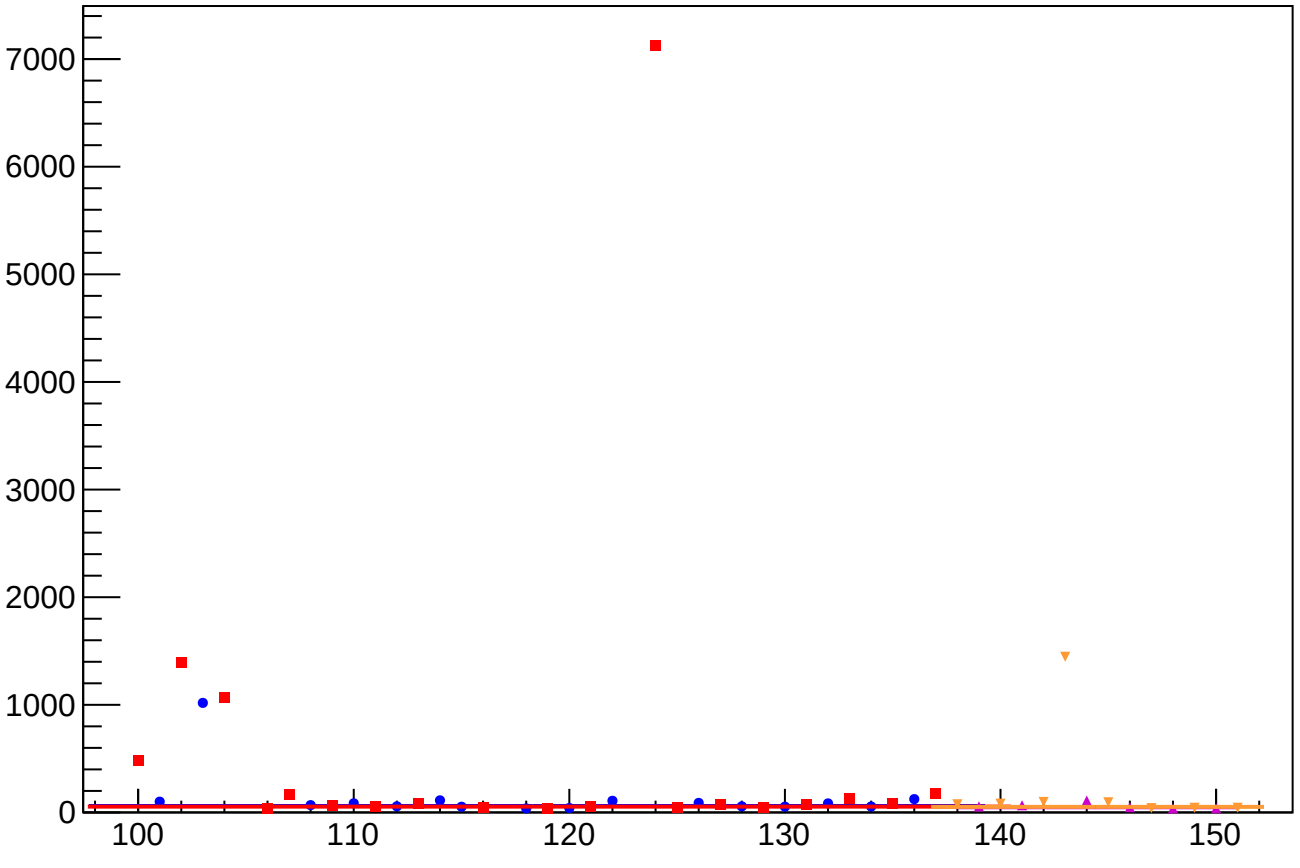
Left: -0.023+/-0.017 χ^2/NDF: 18.8/13

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.023+/-0.018 χ^2/NDF:16.9/21

Out: -0.006+/-0.018 χ^2/NDF:31.1/26

All: -0.014+/-0.013 χ^2/NDF: 48.5/48



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 51.827+/-0.018 χ^2/NDF:2528897.1/7

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 48.441+/-0.017 χ^2/NDF:864338.9/5

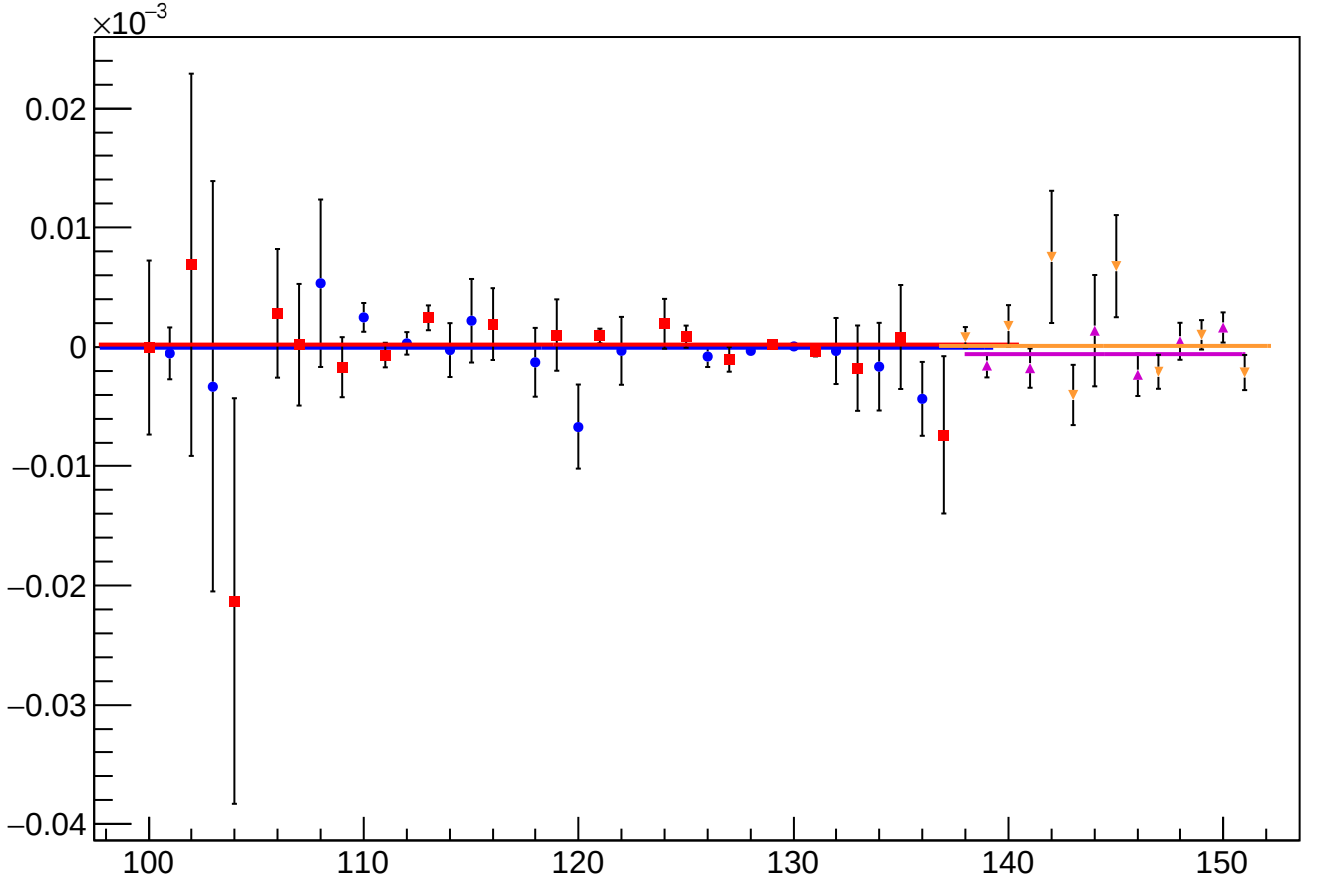
Left: 50.049+/-0.012 χ^2/NDF: 3412230.9/13

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 53.516+/-0.013 χ^2/NDF:3605150.9/21

Out: 53.007+/-0.013 χ^2/NDF:6059503.9/26

All: 53.264+/-0.009 χ^2/NDF: 9665460.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/5

Left: -0.000+/-0.000 χ^2/NDF: 20.6/13

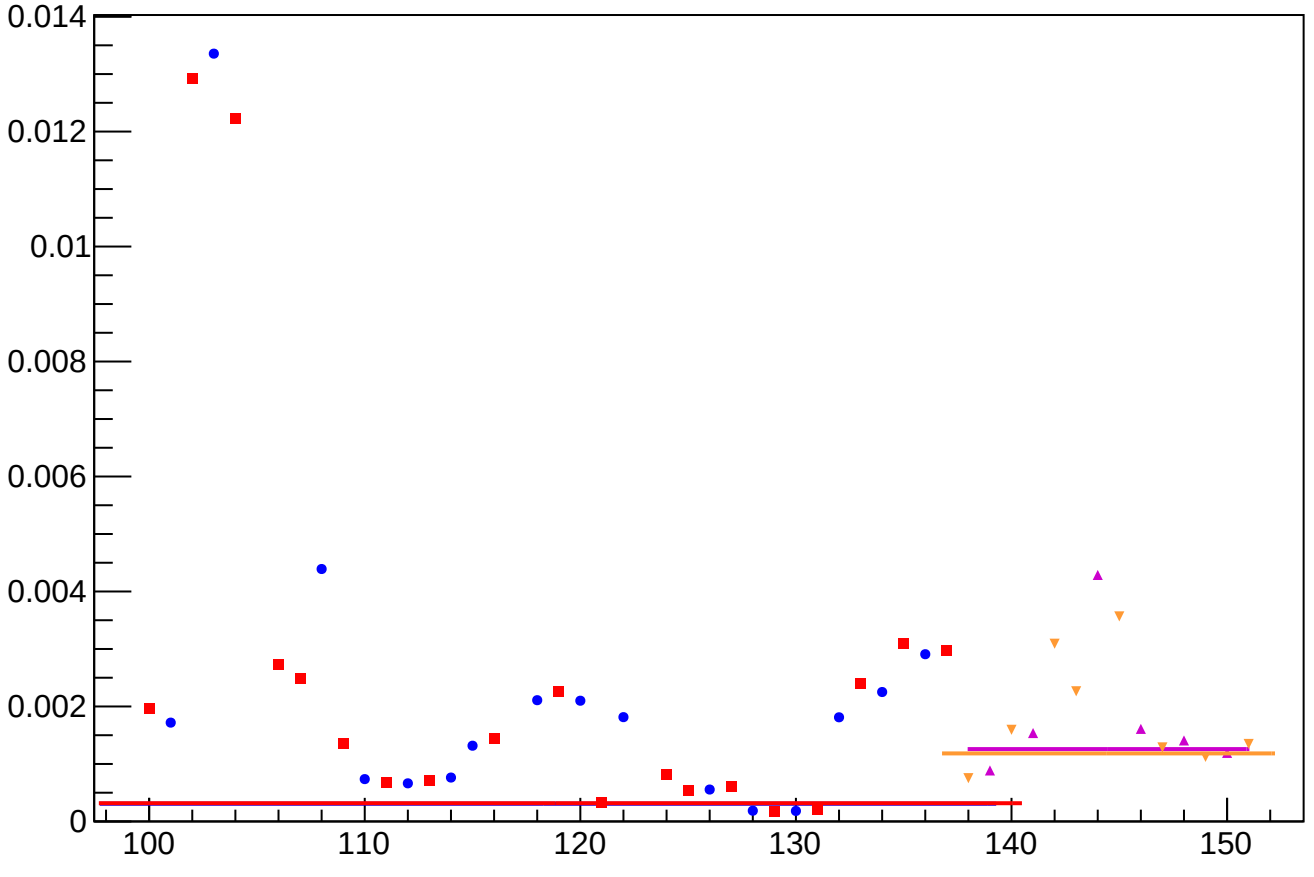
Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:19.7/21

Out: 0.000+/-0.000 χ^2/NDF:29.4/26

All: 0.000+/-0.000 χ^2/NDF: 50.4/48

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1889136.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1289012.8/5

Left: 0.001+/-0.000 χ^2/NDF: 3195864.8/13

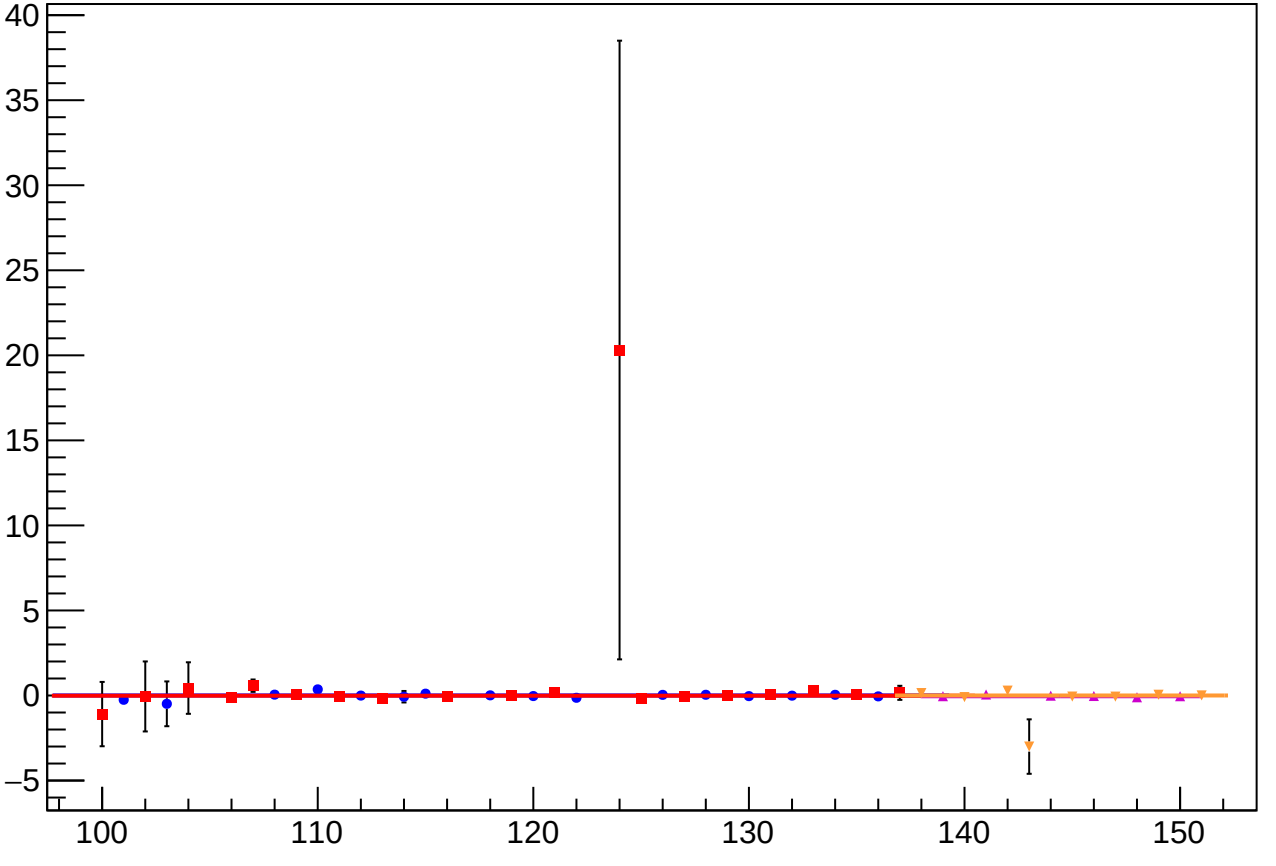
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:14617892.0/21

Out: 0.000+/-0.000 χ^2/NDF:14624559.2/26

All: 0.000+/-0.000 χ^2/NDF: 29254500.8/48

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: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.044+/-0.024 χ^2/NDF:3.7/5

Left: -0.023+/-0.017 χ^2/NDF: 18.8/13

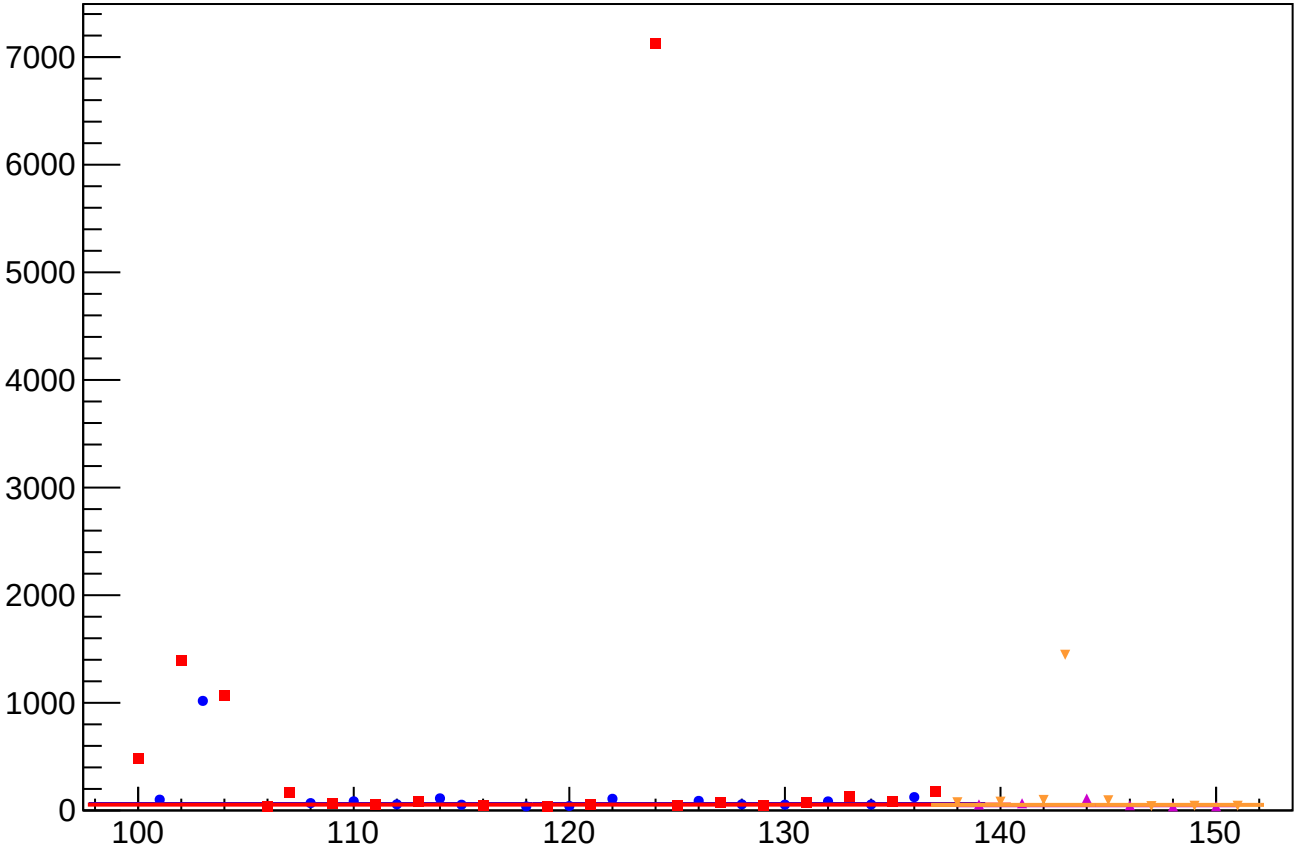
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.023+/-0.018 χ^2/NDF:16.9/21

Out: -0.006+/-0.018 χ^2/NDF:31.1/26

All: -0.014+/-0.013 χ^2/NDF: 48.5/48

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: 51.827+/-0.018 χ^2/NDF:2528875.5/7

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 48.441+/-0.017 χ^2/NDF:864341.6/5

Left: 50.049+/-0.012 χ^2/NDF: 3412216.5/13

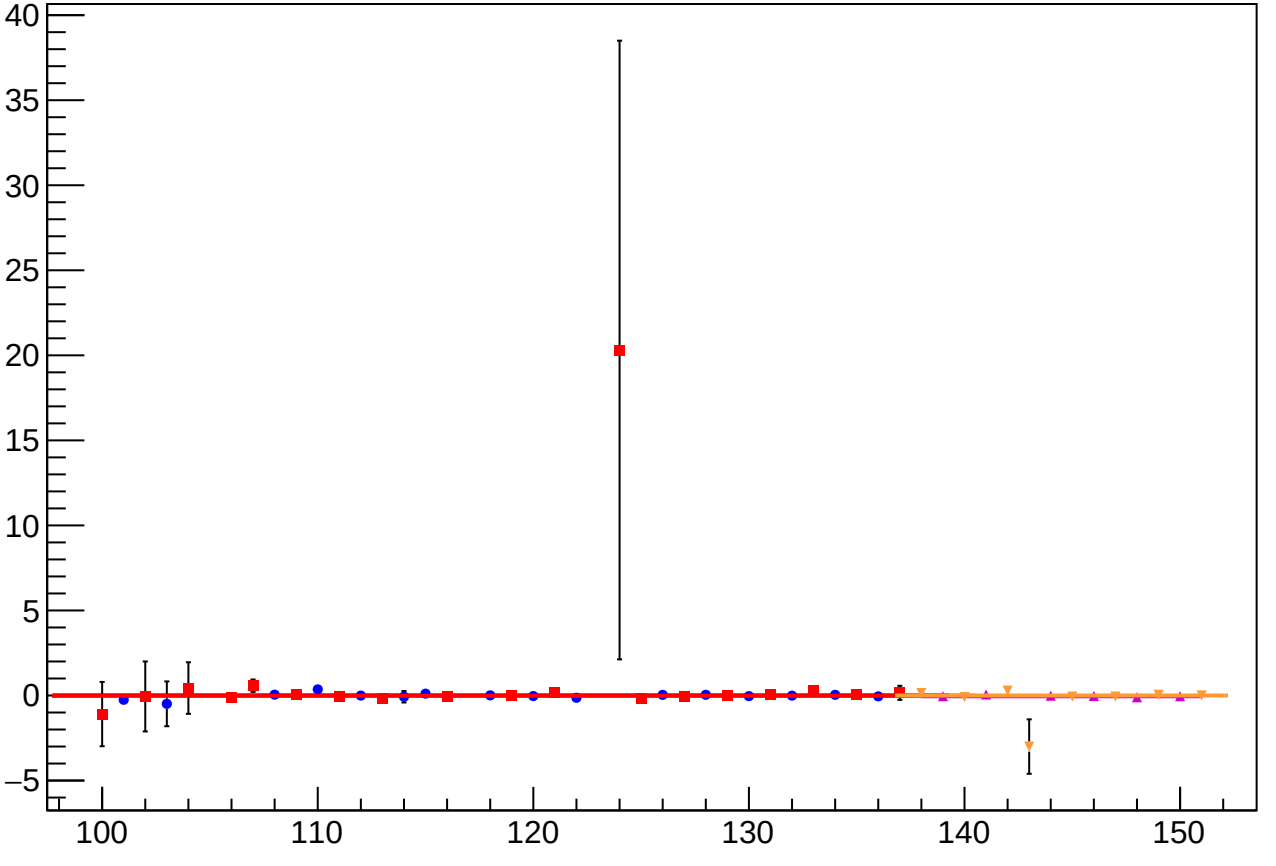
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 53.516+/-0.013 χ^2/NDF:3605163.7/21

Out: 53.007+/-0.013 χ^2/NDF:6059532.1/26

All: 53.264+/-0.009 χ^2/NDF: 9665502.0/48

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: 0.001+/-0.025 χ^2/NDF:13.4/7

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.044+/-0.024 χ^2/NDF:3.7/5

Left: -0.023+/-0.017 χ^2/NDF: 18.8/13

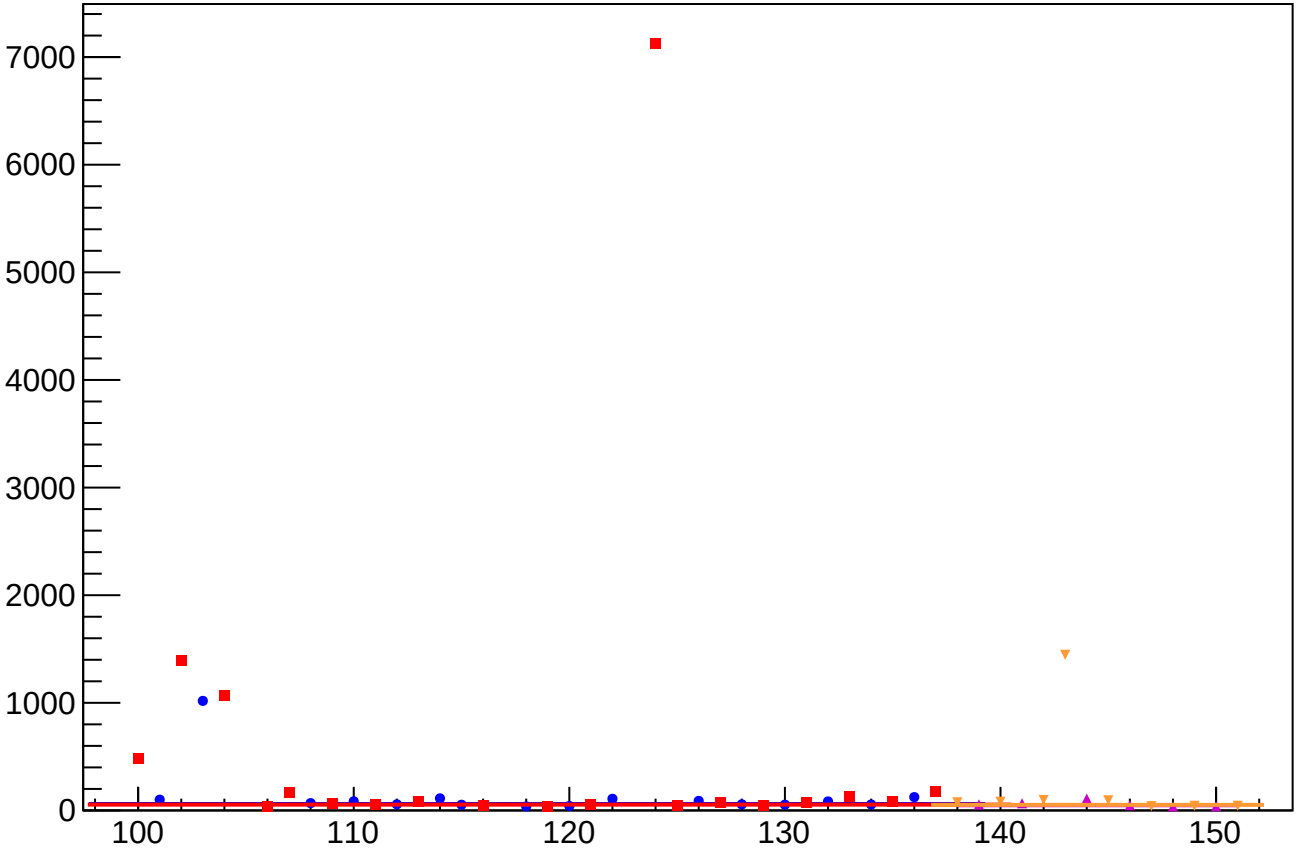
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.023+/-0.018 χ^2/NDF:16.9/21

Out: -0.006+/-0.018 χ^2/NDF:31.1/26

All: -0.014+/-0.013 χ^2/NDF: 48.5/48

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: 51.827+/-0.018 χ^2/NDF:2528875.5/7

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 48.441+/-0.017 χ^2/NDF:864341.6/5

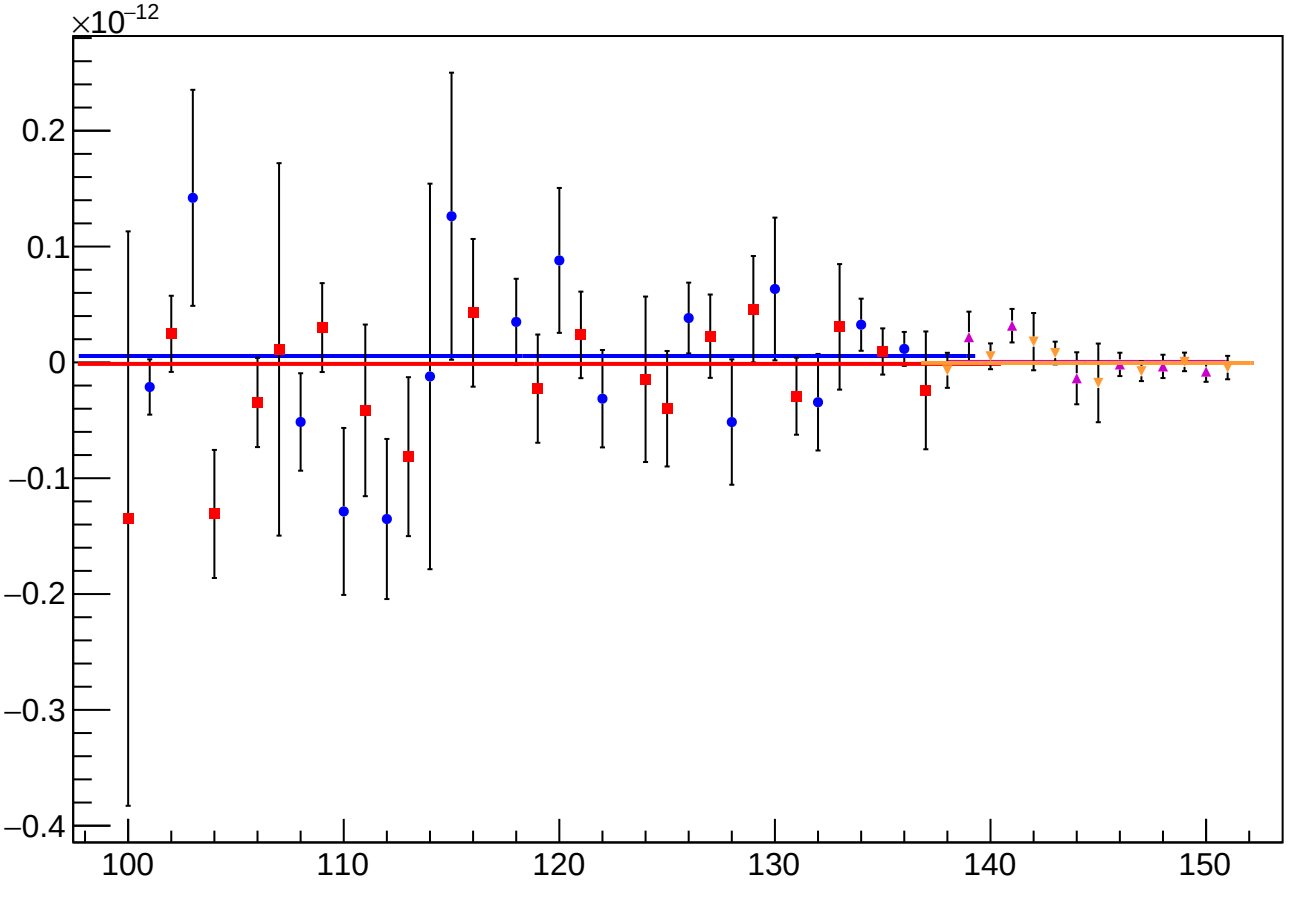
Left: 50.049+/-0.012 χ^2/NDF: 3412216.5/13

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 53.516+/-0.013 χ^2/NDF:3605163.7/21

Out: 53.007+/-0.013 χ^2/NDF:6059532.1/26

All: 53.264+/-0.009 χ^2/NDF: 9665502.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/5

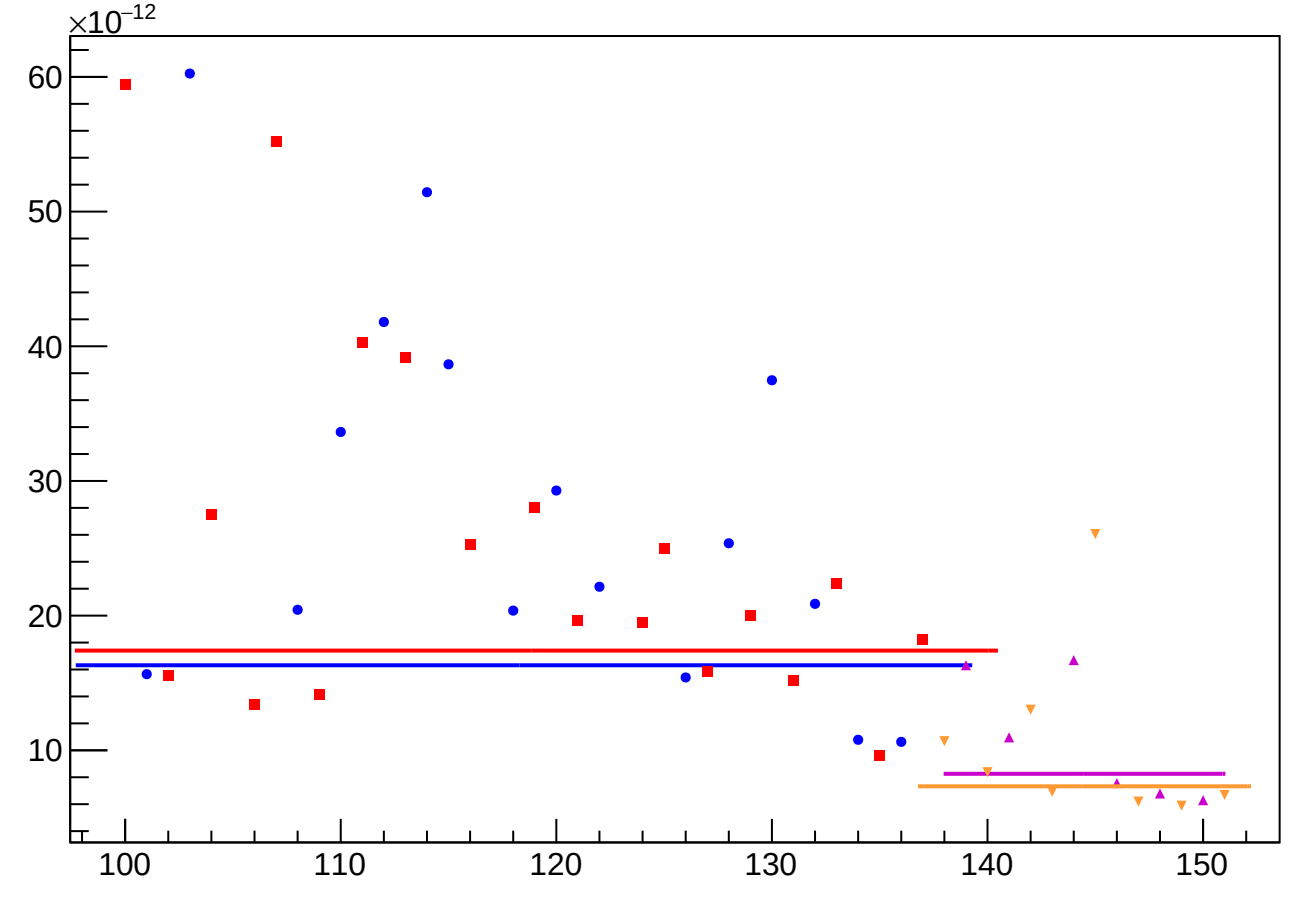
Left: -0.000+/-0.000 χ^2/NDF: 10.0/13

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:30.0/21

Out: -0.000+/-0.000 χ^2/NDF:17.2/26

All: 0.000+/-0.000 χ^2/NDF: 47.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:941289.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:770918.2/5

Left: 0.000+/-0.000 χ^2/NDF: 1755723.5/13

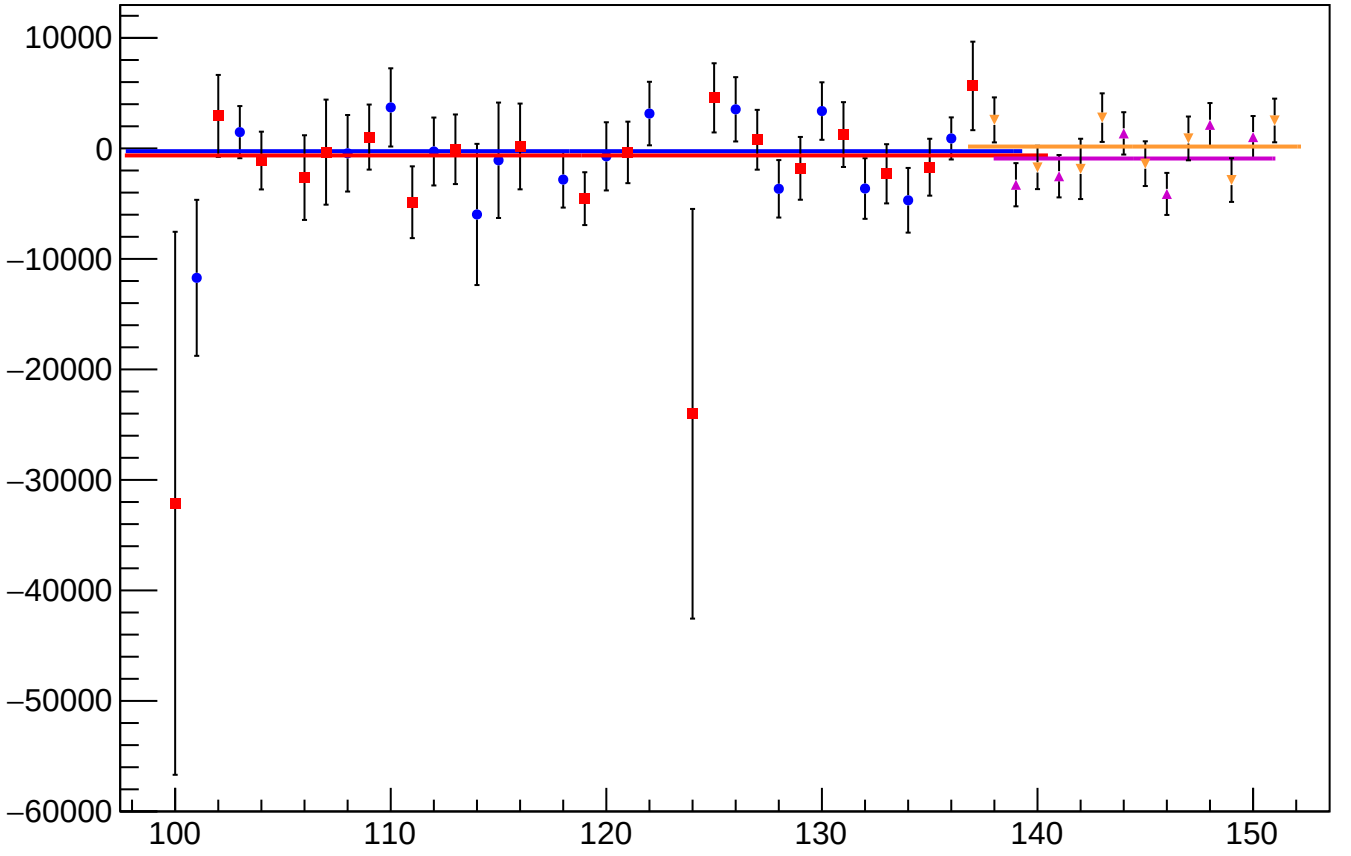
Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:3978194.1/21

Out: 0.000+/-0.000 χ^2/NDF:3966269.6/26

All: 0.000+/-0.000 χ^2/NDF: 8085125.5/48

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: 167.039+/-734.538 χ^2/NDF:8.8/7

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -915.504+/-786.741 χ^2/NDF:9.9/5

Left: -337.128+/-536.904 χ^2/NDF: 19.7/13

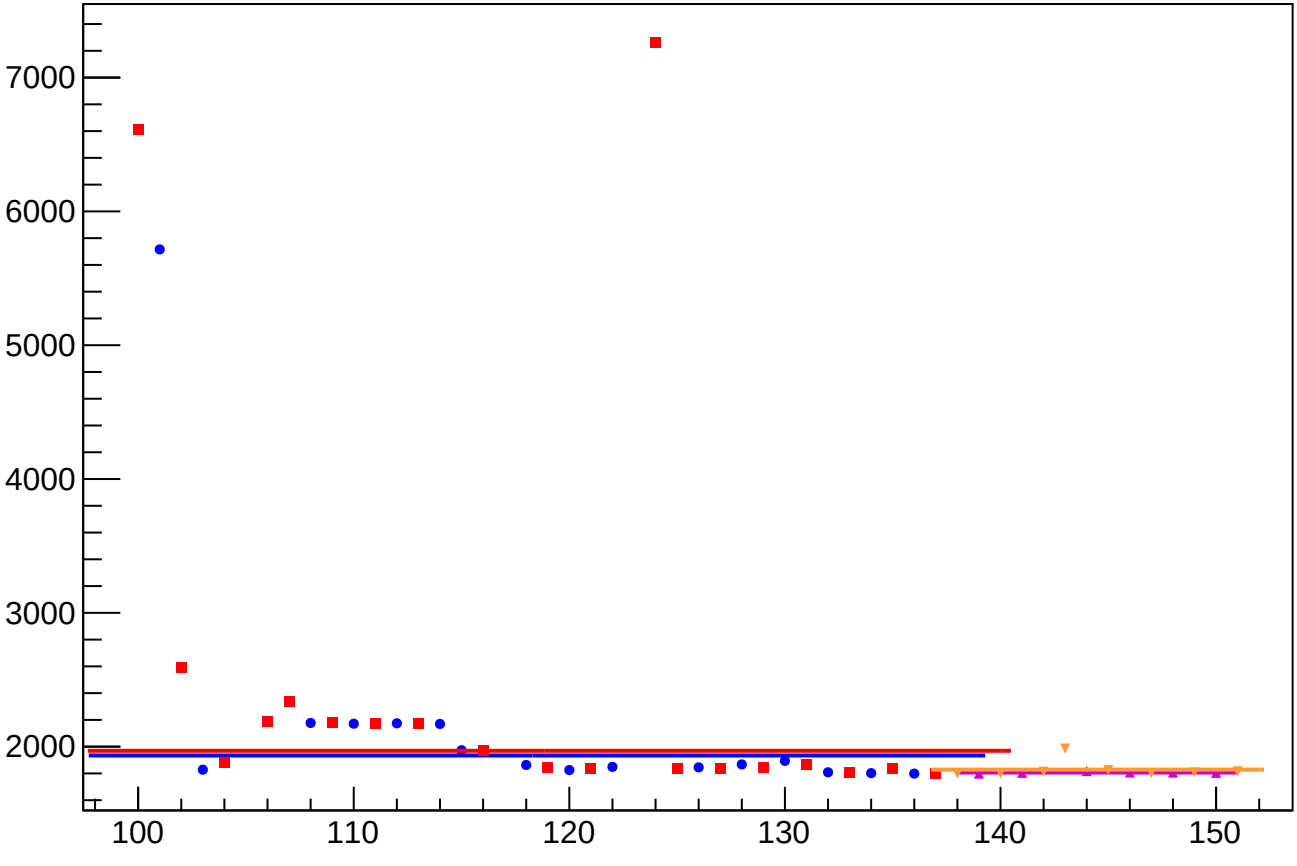
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -560.893+/-537.128 χ^2/NDF:27.5/21

Out: -234.008+/-519.728 χ^2/NDF:25.3/26

All: -392.070+/-373.503 χ^2/NDF: 53.0/48

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1828.462+/-0.519 χ^2/NDF:11791.9/7

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1806.586+/-0.556 χ^2/NDF:104.7/5

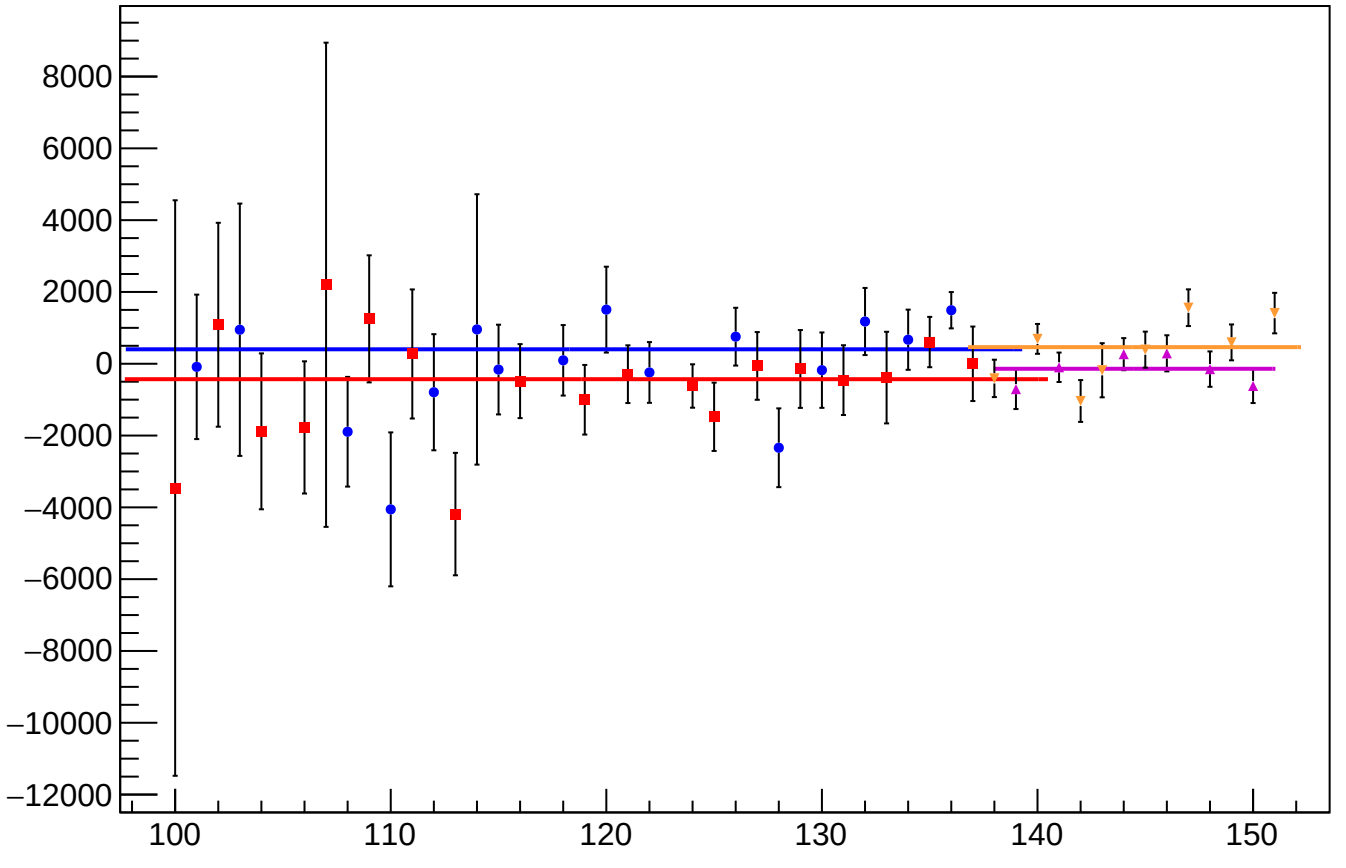
Left: 1818.274+/-0.380 χ^2/NDF: 12722.7/13

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1874.726+/-0.380 χ^2/NDF:668125.9/21

Out: 1898.743+/-0.368 χ^2/NDF:426837.1/26

All: 1887.130+/-0.264 χ^2/NDF: 1097028.1/48



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 462.853+/-185.349 χ^2/NDF:18.0/7

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -140.031+/-193.516 χ^2/NDF:3.6/5

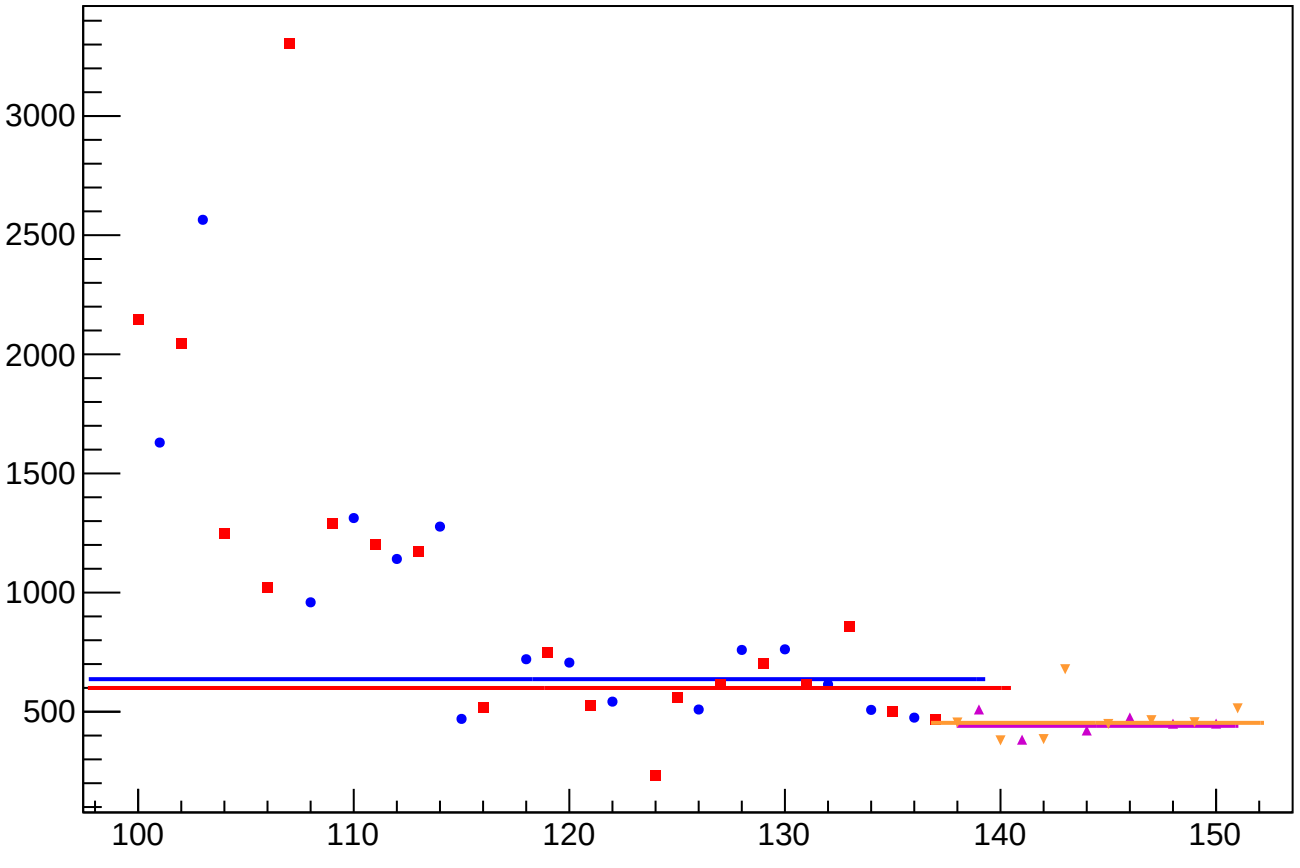
Left: 174.402+/-133.856 χ^2/NDF: 26.7/13

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 54.791+/-154.932 χ^2/NDF:27.6/21

Out: 150.710+/-149.482 χ^2/NDF:37.8/26

All: 104.468+/-107.575 χ^2/NDF: 65.6/48



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 453.295+/-0.131 χ^2/NDF:292504.5/7

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 440.787+/-0.137 χ^2/NDF:85880.8/5

Left: 447.311+/-0.095 χ^2/NDF: 382743.2/13

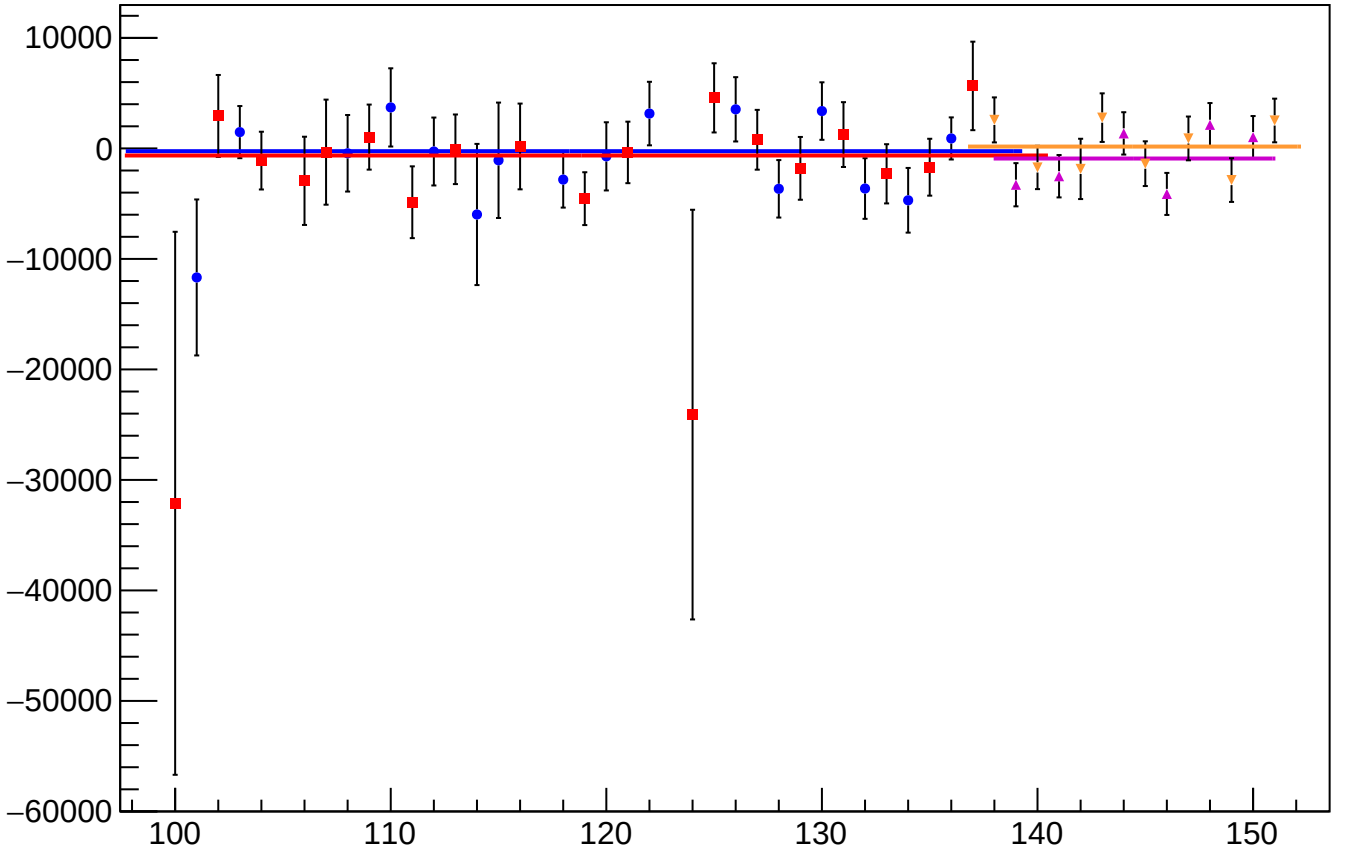
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 511.123+/-0.110 χ^2/NDF:2888697.8/21

Out: 504.451+/-0.106 χ^2/NDF:3672412.8/26

All: 507.667+/-0.076 χ^2/NDF: 6563031.6/48

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 166.891+/-734.538 χ^2/NDF:8.8/7

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -915.553+/-786.741 χ^2/NDF:9.9/5

Left: -337.230+/-536.904 χ^2/NDF: 19.7/13

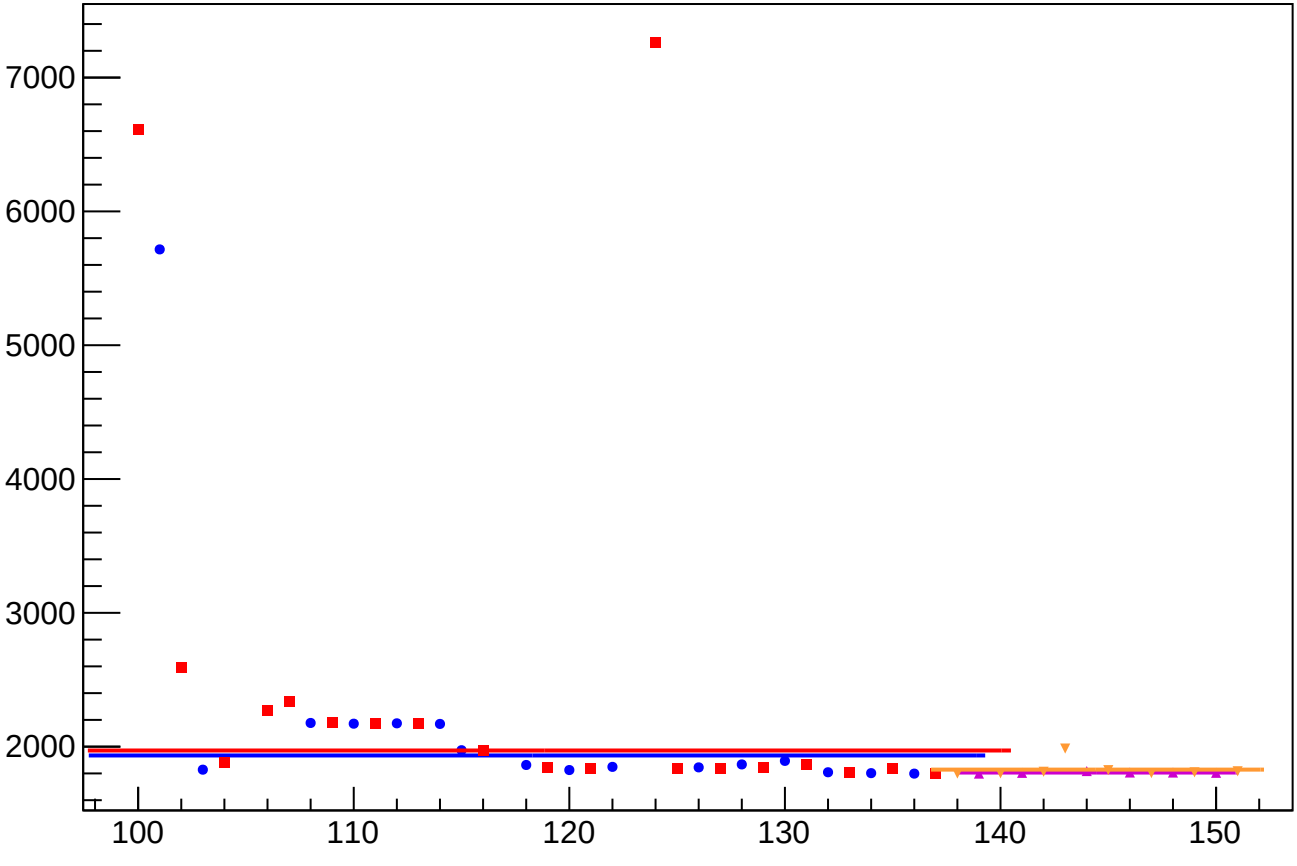
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -560.483+/-537.128 χ^2/NDF:27.5/21

Out: -235.882+/-520.106 χ^2/NDF:25.4/26

All: -392.958+/-373.643 χ^2/NDF: 53.0/48

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1828.462+/-0.519 χ^2/NDF:11791.9/7

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1806.586+/-0.556 χ^2/NDF:104.7/5

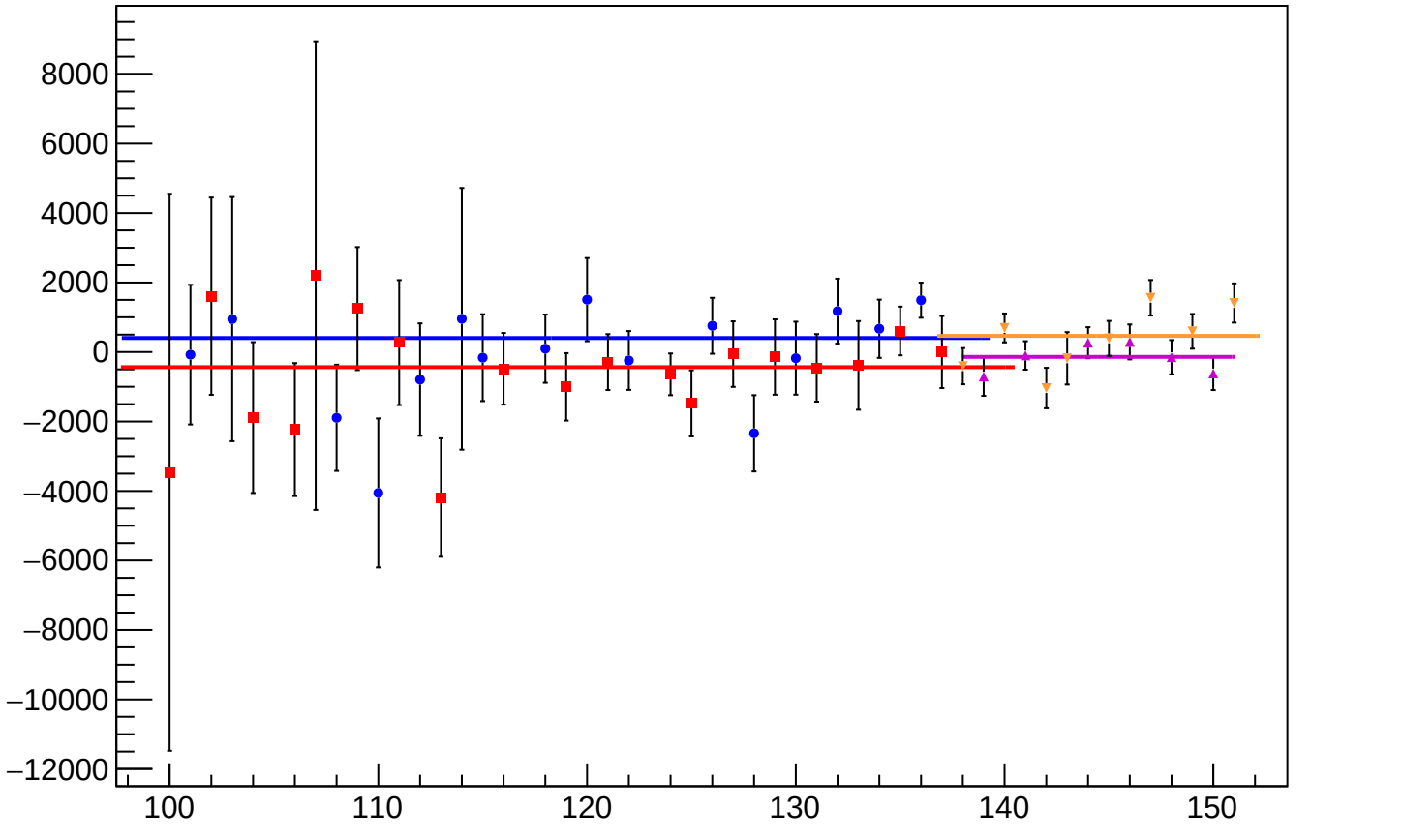
Left: 1818.274+/-0.380 χ^2/NDF: 12722.7/13

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1874.726+/-0.380 χ^2/NDF:668125.8/21

Out: 1899.714+/-0.368 χ^2/NDF:432710.0/26

All: 1887.622+/-0.264 χ^2/NDF: 1103069.6/48



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 462.793+/-185.351 χ^2/NDF:18.0/7

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -140.172+/-193.513 χ^2/NDF:3.6/5

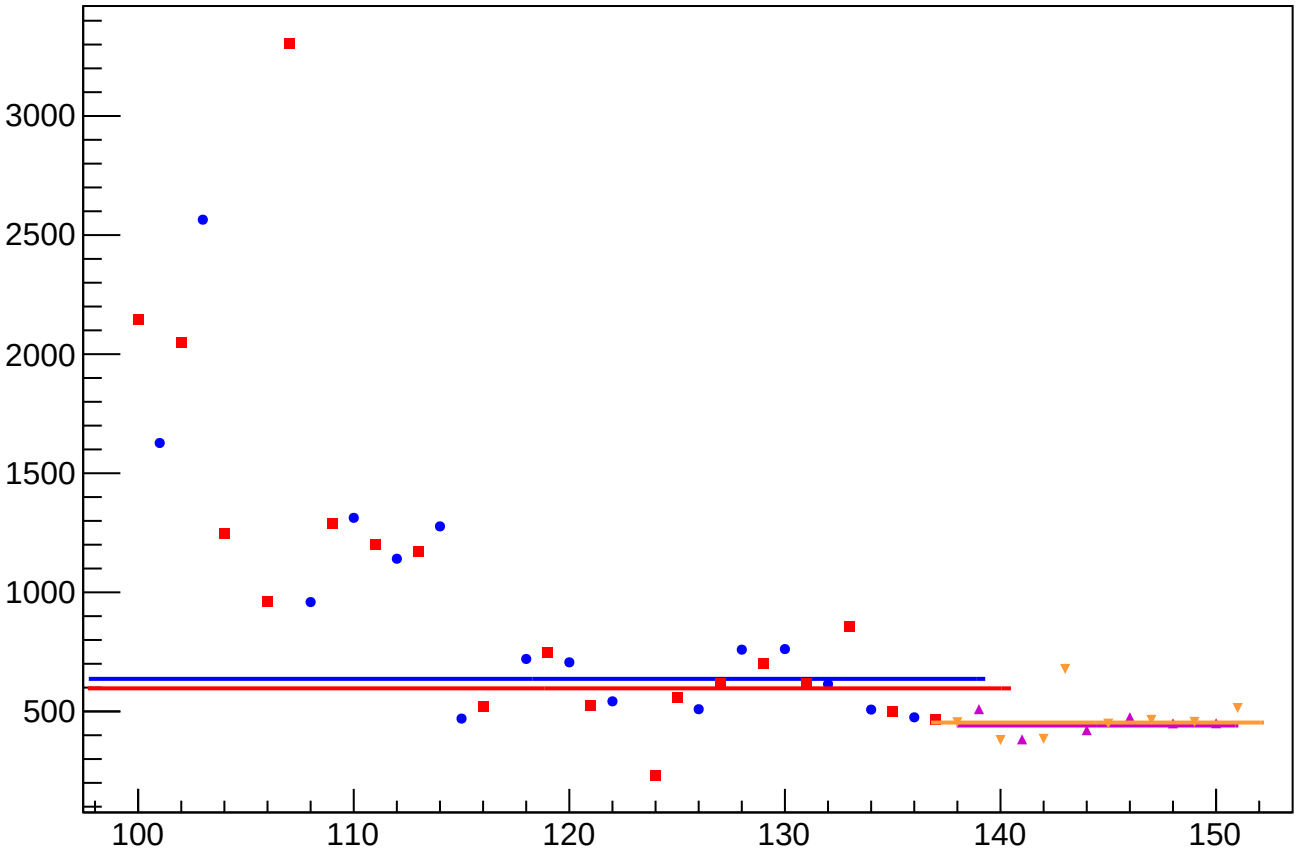
Left: 174.295+/-133.855 χ^2/NDF: 26.7/13

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 54.734+/-154.928 χ^2/NDF:27.6/21

Out: 148.106+/-149.452 χ^2/NDF:38.6/26

All: 103.099+/-107.562 χ^2/NDF: 66.4/48



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 453.302+/-0.131 χ^2/NDF:292454.1/7

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 440.780+/-0.137 χ^2/NDF:85881.5/5

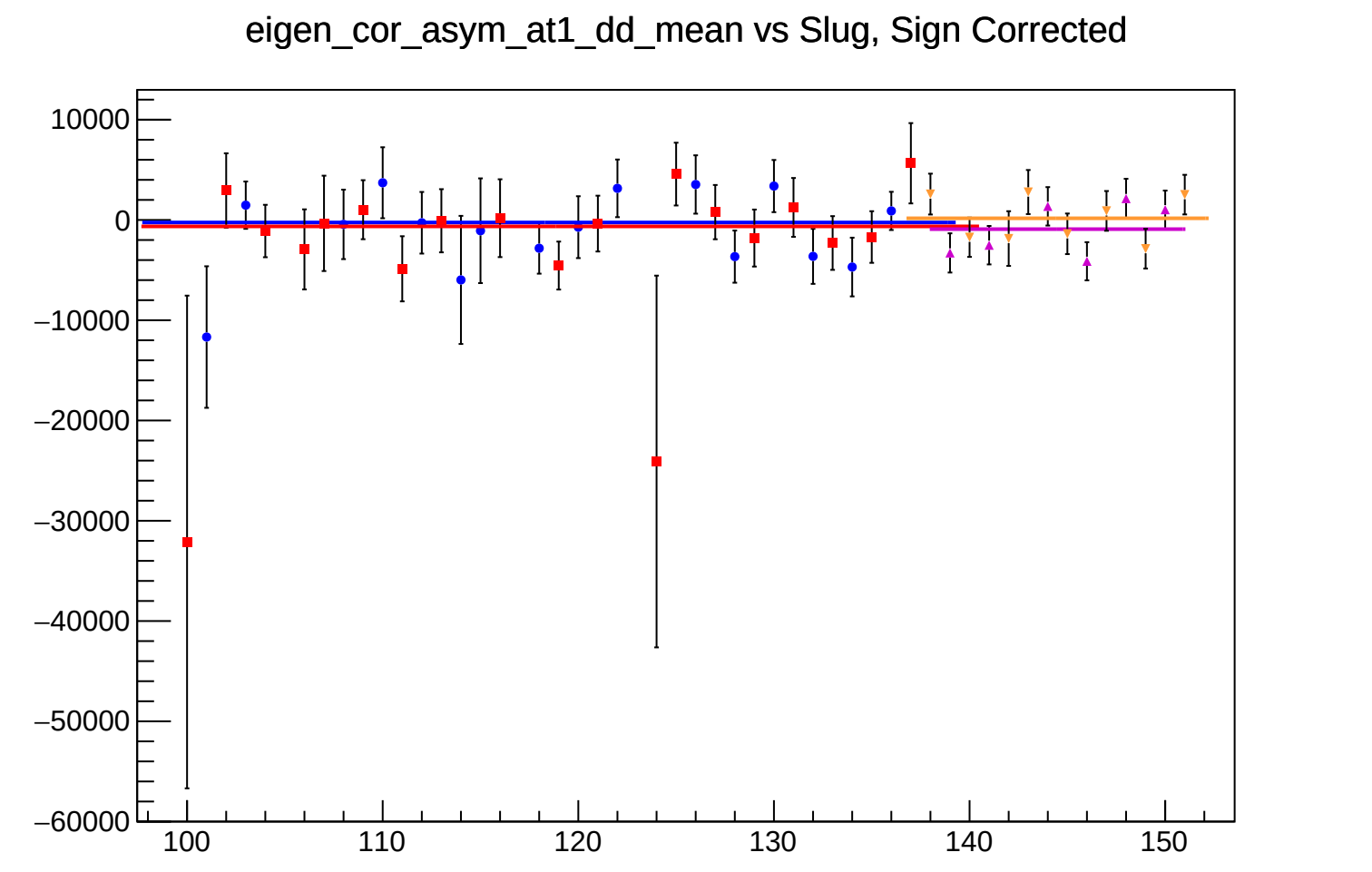
Left: 447.311+/-0.095 χ^2/NDF: 382703.2/13

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 511.120+/-0.110 χ^2/NDF:2887915.7/21

Out: 503.527+/-0.106 χ^2/NDF:3642649.3/26

All: 507.187+/-0.076 χ^2/NDF: 6533053.3/48



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: 166.891+/-734.538 χ^2/NDF:8.8/7

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -915.553+/-786.741 χ^2/NDF:9.9/5

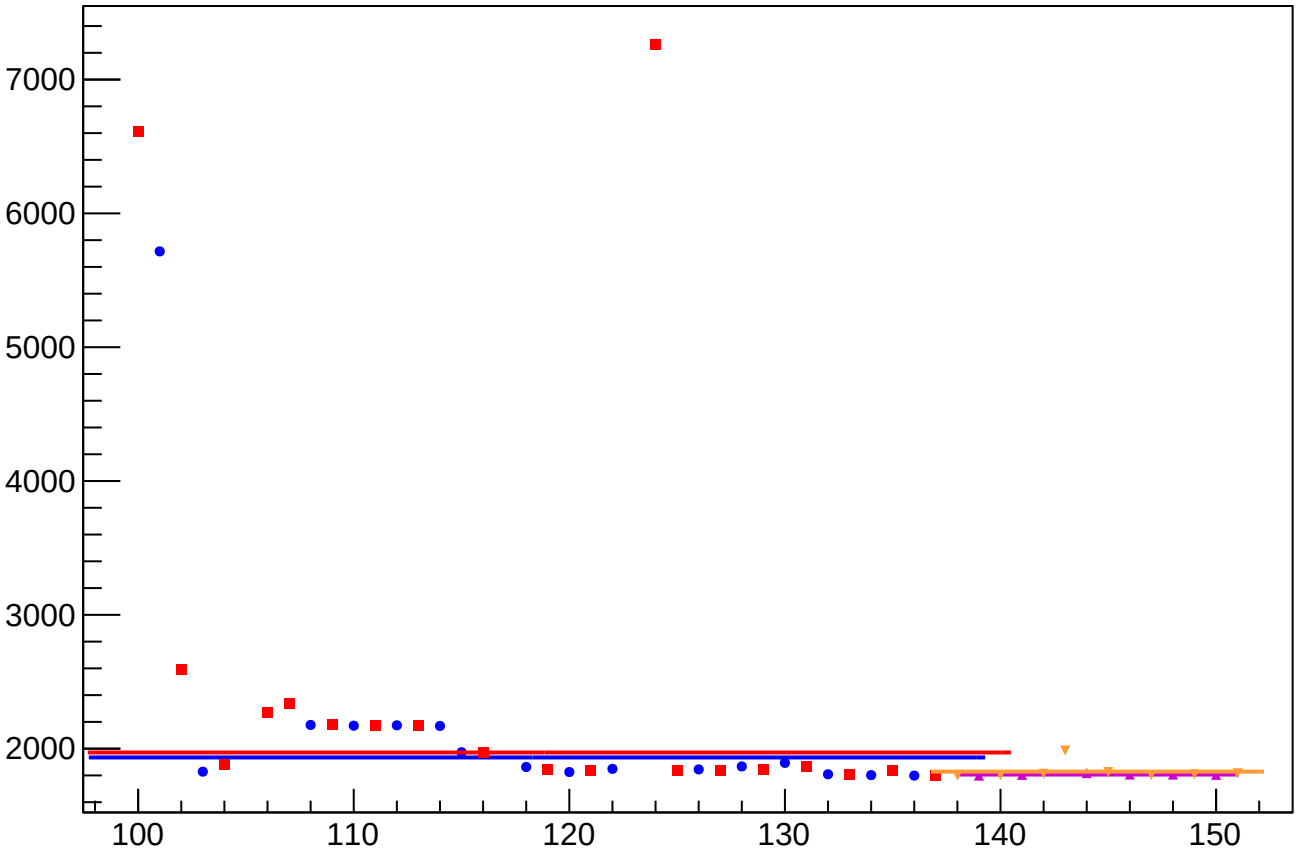
Left: -337.230+/-536.904 χ^2/NDF: 19.7/13

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -560.483+/-537.128 χ^2/NDF:27.5/21

Out: -235.882+/-520.106 χ^2/NDF:25.4/26

All: -392.958+/-373.643 χ^2/NDF: 53.0/48



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1828.462+/-0.519 χ^2/NDF:11791.9/7

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1806.586+/-0.556 χ^2/NDF:104.7/5

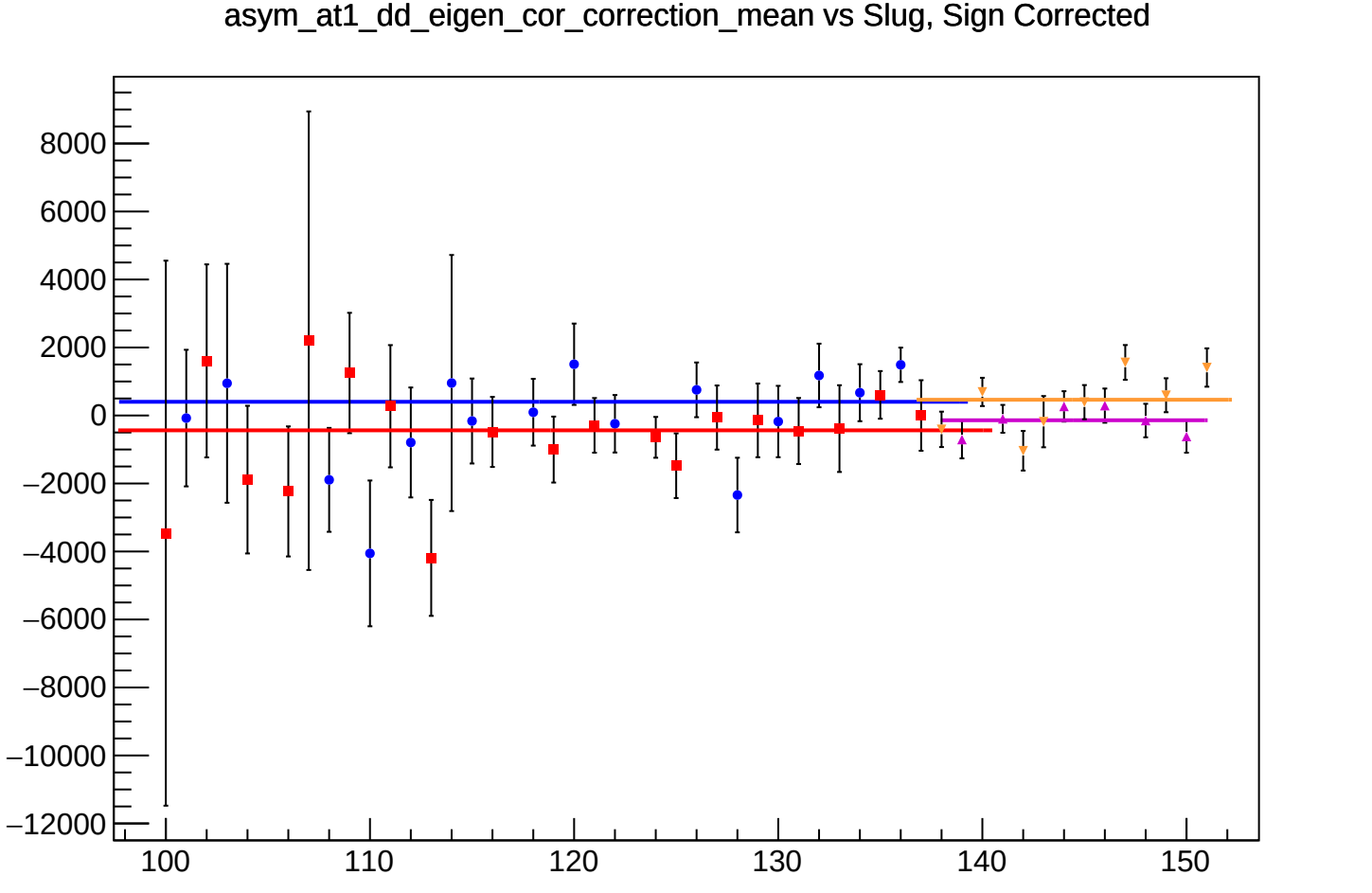
Left: 1818.274+/-0.380 χ^2/NDF: 12722.7/13

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1874.726+/-0.380 χ^2/NDF:668125.8/21

Out: 1899.714+/-0.368 χ^2/NDF:432710.0/26

All: 1887.622+/-0.264 χ^2/NDF: 1103069.6/48



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 462.793+/-185.351 χ^2/NDF:18.0/7

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -140.172+/-193.513 χ^2/NDF:3.6/5

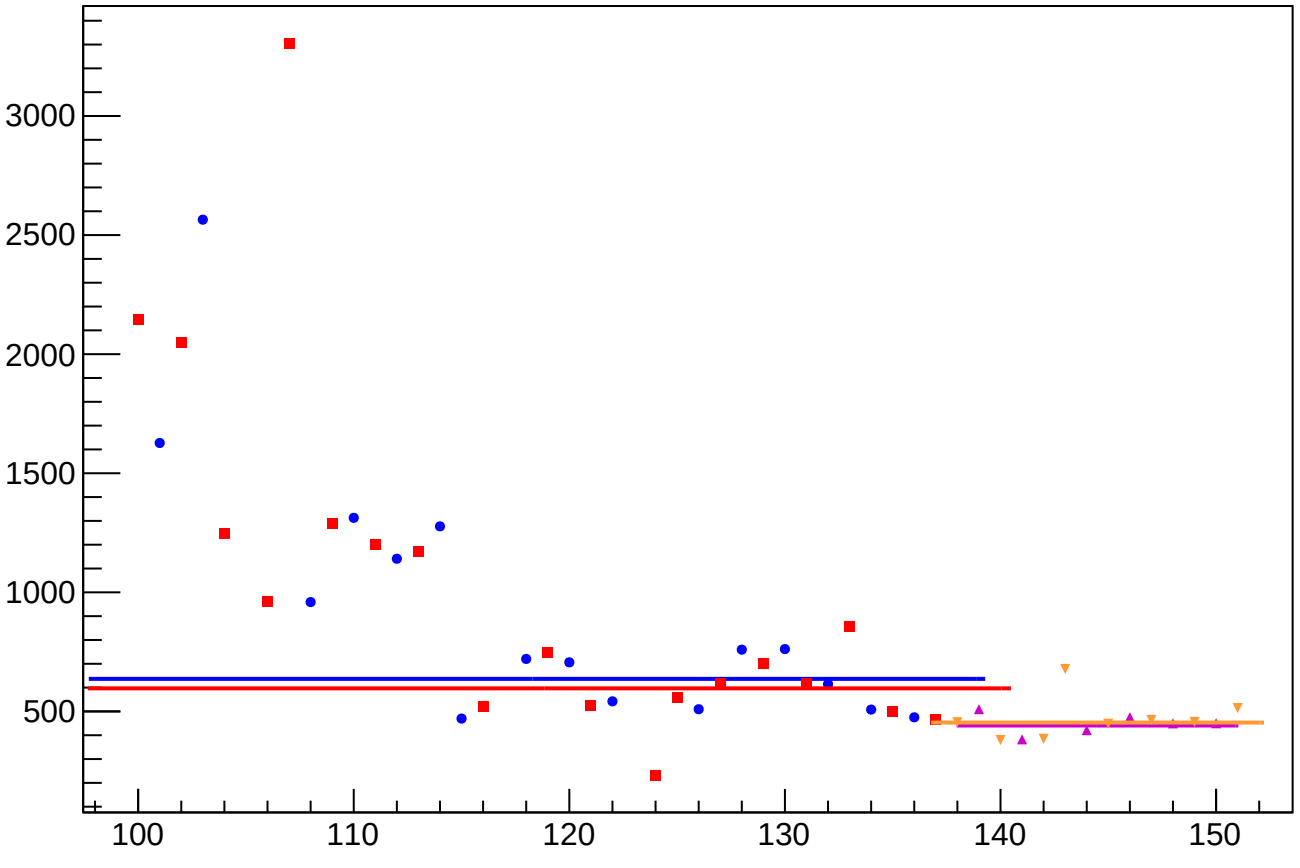
Left: 174.295+/-133.855 χ^2/NDF: 26.7/13

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 54.734+/-154.928 χ^2/NDF:27.6/21

Out: 148.106+/-149.452 χ^2/NDF:38.6/26

All: 103.099+/-107.562 χ^2/NDF: 66.4/48



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 453.302+/-0.131 χ^2/NDF:292454.1/7

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 440.780+/-0.137 χ^2/NDF:85881.5/5

Left: 447.311+/-0.095 χ^2/NDF: 382703.2/13

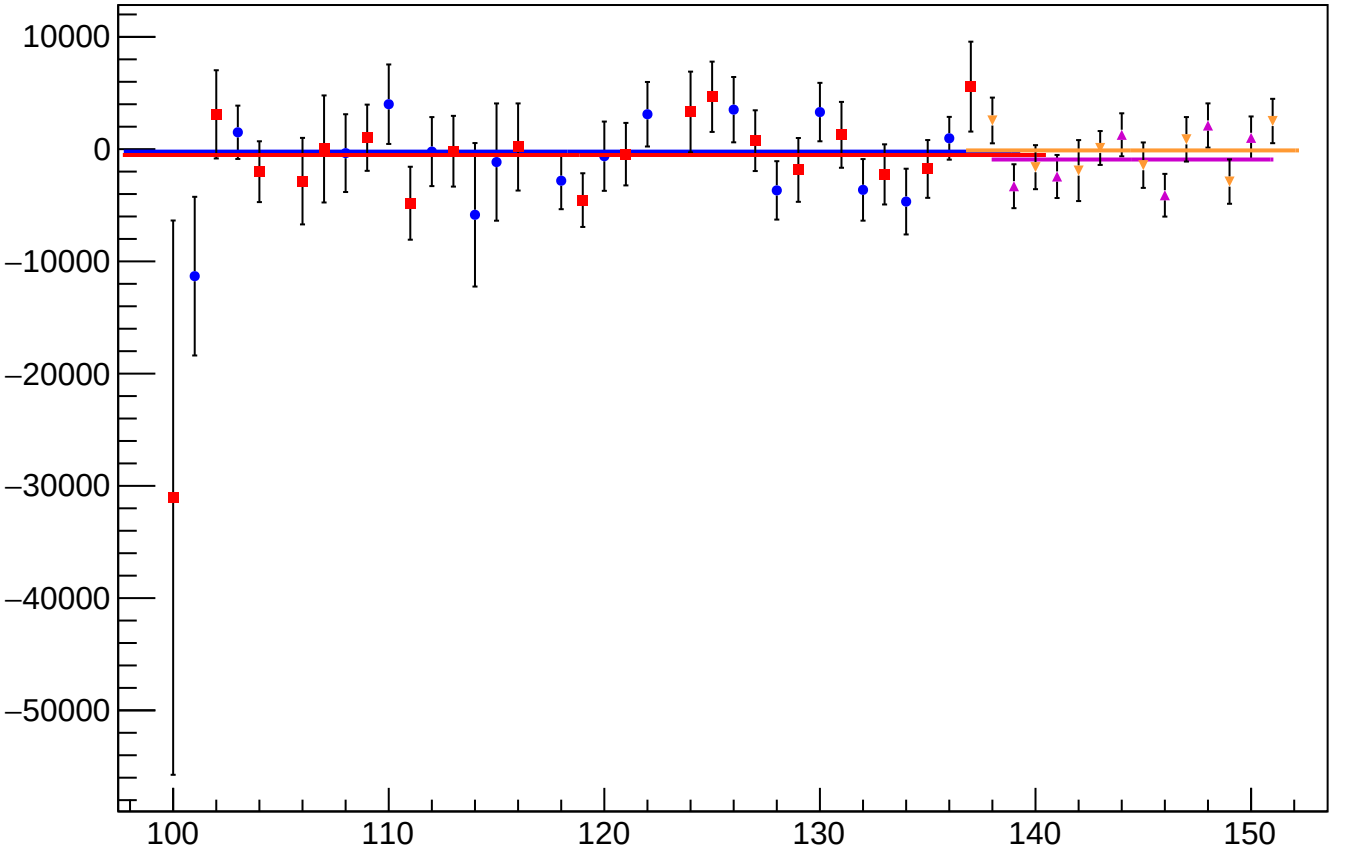
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 511.120+/-0.110 χ^2/NDF:2887915.7/21

Out: 503.527+/-0.106 χ^2/NDF:3642649.3/26

All: 507.187+/-0.076 χ^2/NDF: 6533053.3/48

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -113.521+/-692.515 χ^2/NDF:7.2/7

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -923.847+/-787.015 χ^2/NDF:9.6/5

Left: -467.137+/-519.899 χ^2/NDF: 17.4/13

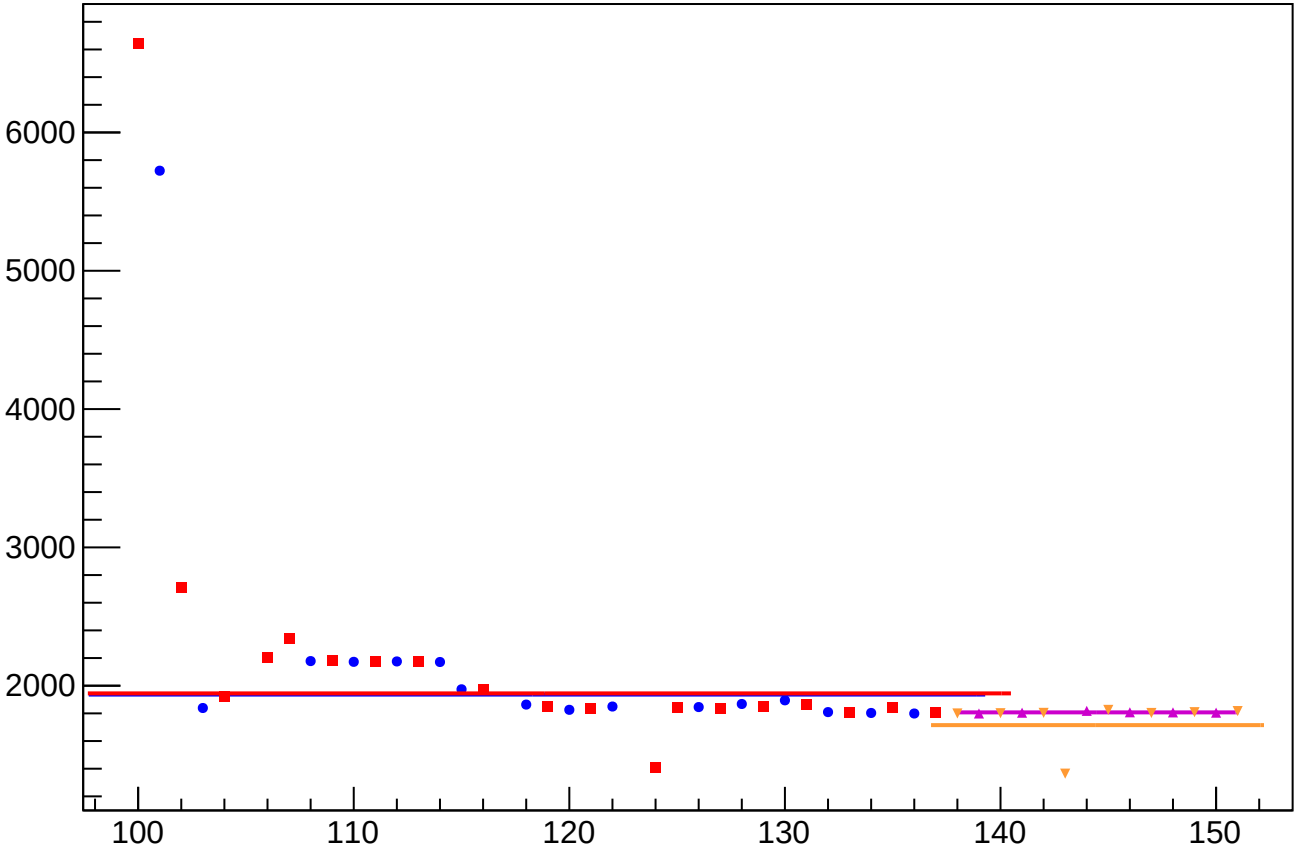
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -548.530+/-537.518 χ^2/NDF:27.1/21

Out: -307.582+/-500.766 χ^2/NDF:22.9/26

All: -419.538+/-366.399 χ^2/NDF: 50.2/48

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1715.051+/-0.490 χ^2/NDF:136981.2/7

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1807.217+/-0.557 χ^2/NDF:105.1/5

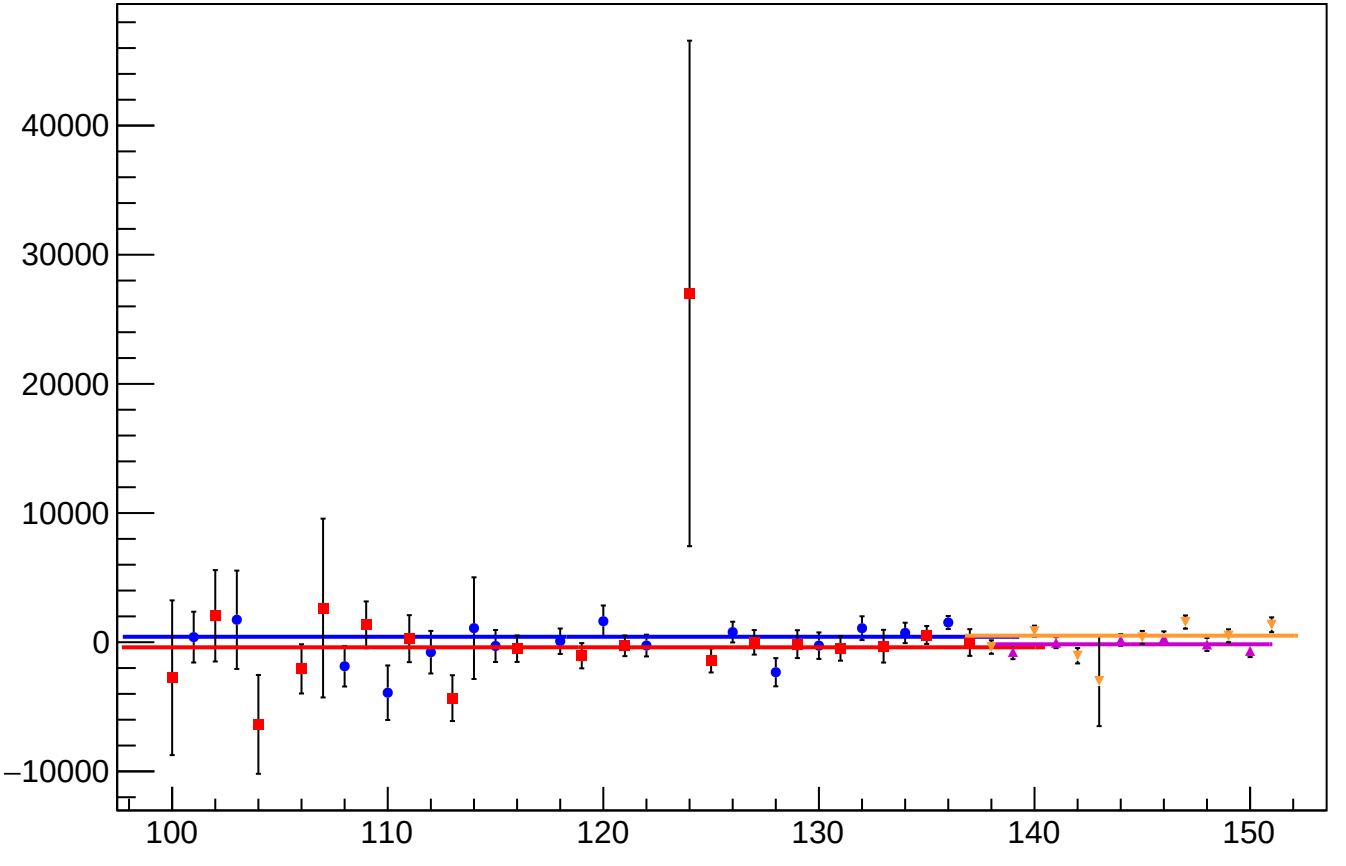
Left: 1755.271+/-0.368 χ^2/NDF: 152545.3/13

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1875.913+/-0.380 χ^2/NDF:668474.0/21

Out: 1824.521+/-0.354 χ^2/NDF:517952.1/26

All: 1848.400+/-0.259 χ^2/NDF: 1196213.8/48



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 507.270+/-193.481 χ^2/NDF:17.7/7

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -160.990+/-197.586 χ^2/NDF:3.7/5

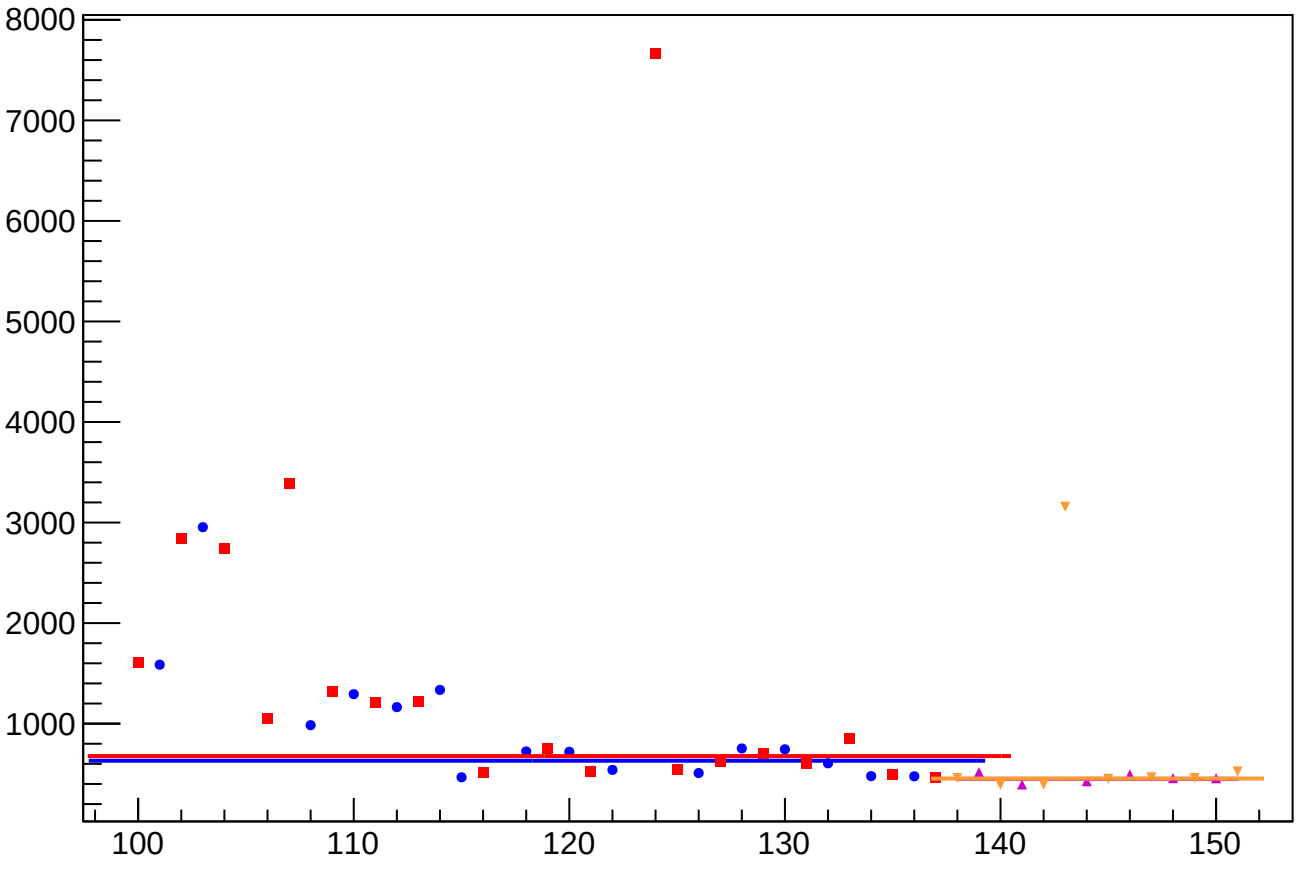
Left: 180.154+/-138.240 χ^2/NDF: 27.3/13

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 55.537+/-156.586 χ^2/NDF:28.4/21

Out: 215.517+/-159.095 χ^2/NDF:40.6/26

All: 134.256+/-111.600 χ^2/NDF: 69.5/48



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 453.748+/-0.137 χ^2/NDF:1290434.2/7

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 450.619+/-0.140 χ^2/NDF:82929.0/5

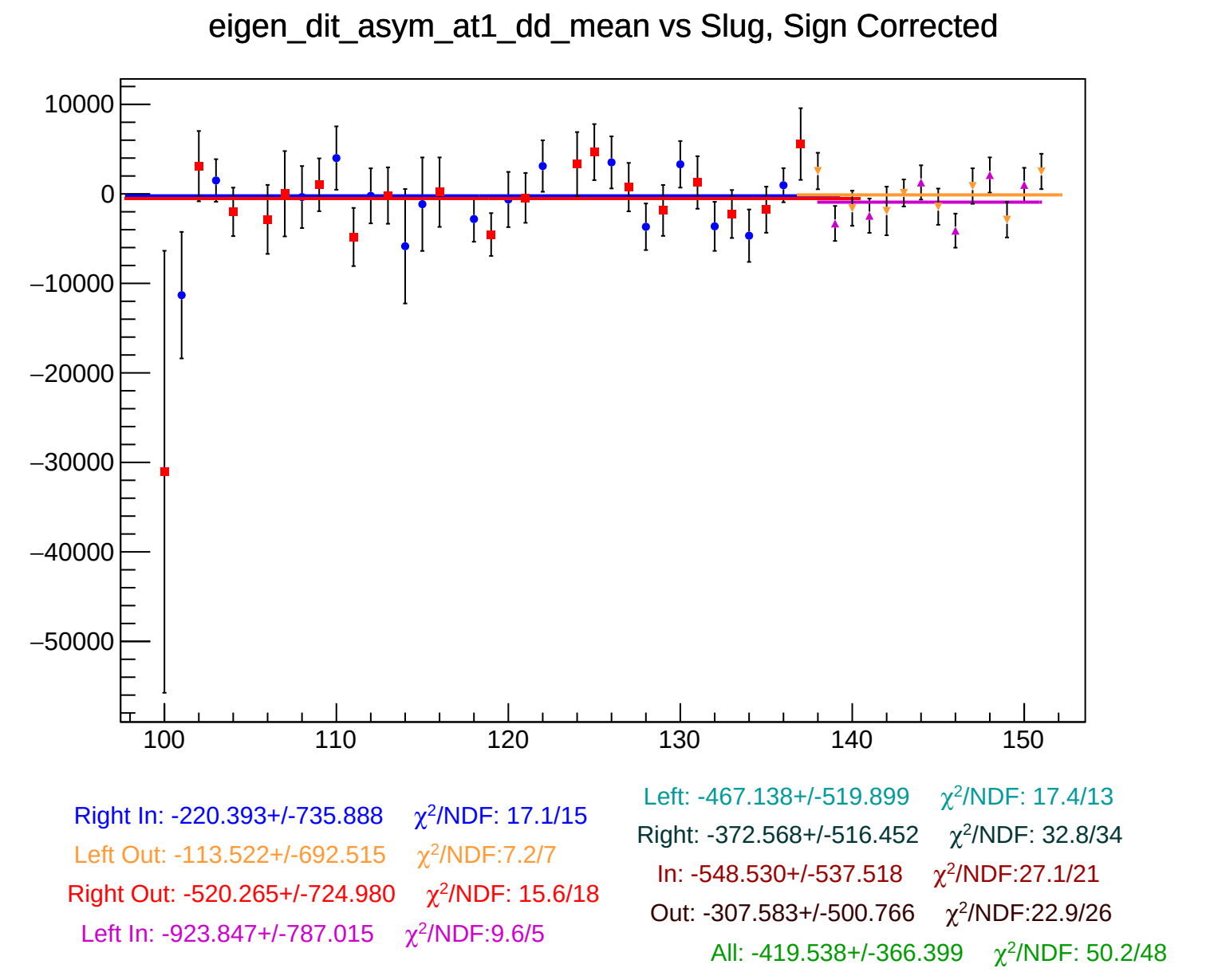
Left: 452.216+/-0.098 χ^2/NDF: 1373619.3/13

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

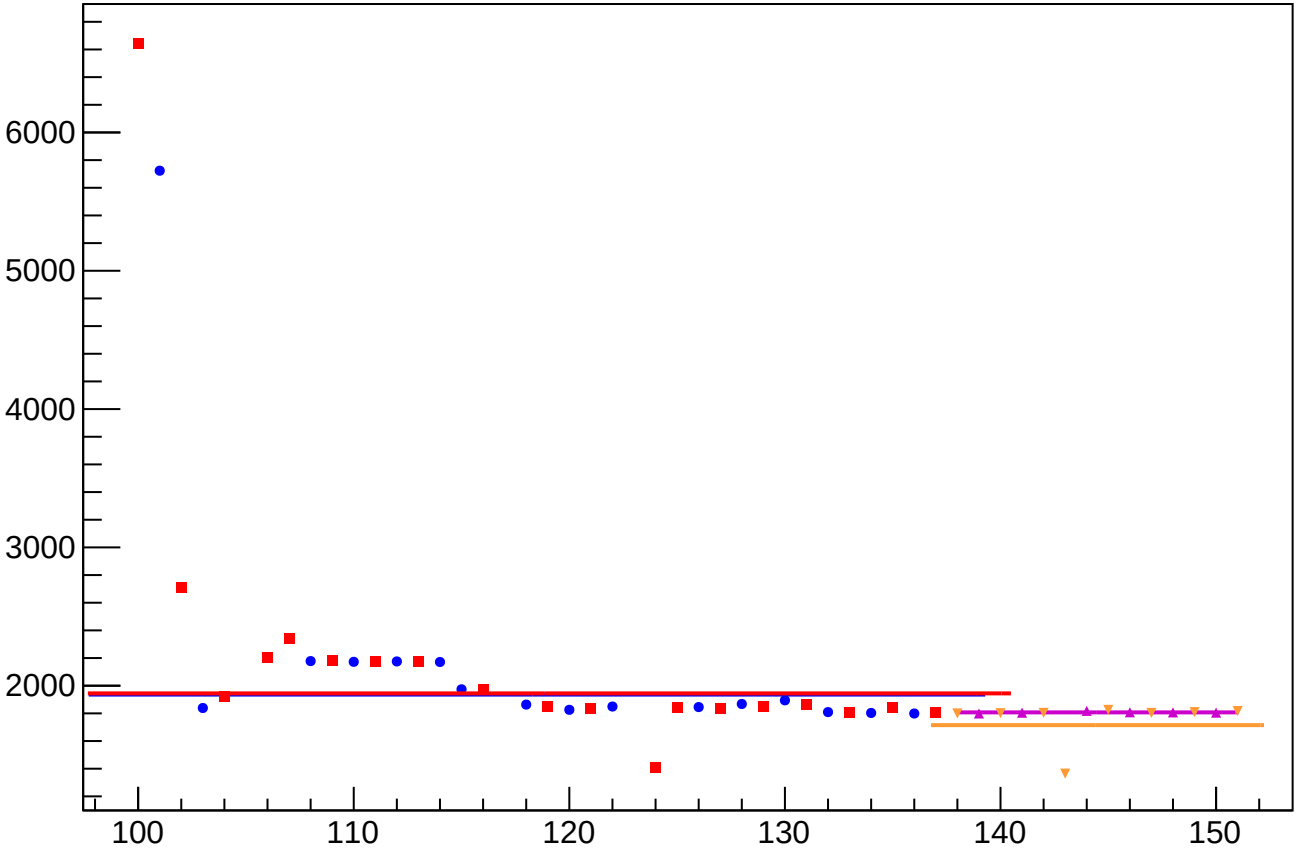
In: 517.764+/-0.111 χ^2/NDF:2938362.1/21

Out: 526.192+/-0.112 χ^2/NDF:5237771.7/26

All: 521.911+/-0.079 χ^2/NDF: 8178984.8/48


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -113.522+/-692.515 χ²/NDF:7.2/7
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -923.847+/-787.015 χ²/NDF:9.6/5
Left: -467.138+/-519.899 χ²/NDF: 17.4/13
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -548.530+/-537.518 χ²/NDF:27.1/21
Out: -307.583+/-500.766 χ²/NDF:22.9/26
All: -419.538+/-366.399 χ²/NDF: 50.2/48

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1715.051+/-0.490 χ^2/NDF:136981.2/7

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1807.217+/-0.557 χ^2/NDF:105.1/5

Left: 1755.271+/-0.368 χ^2/NDF: 152545.3/13

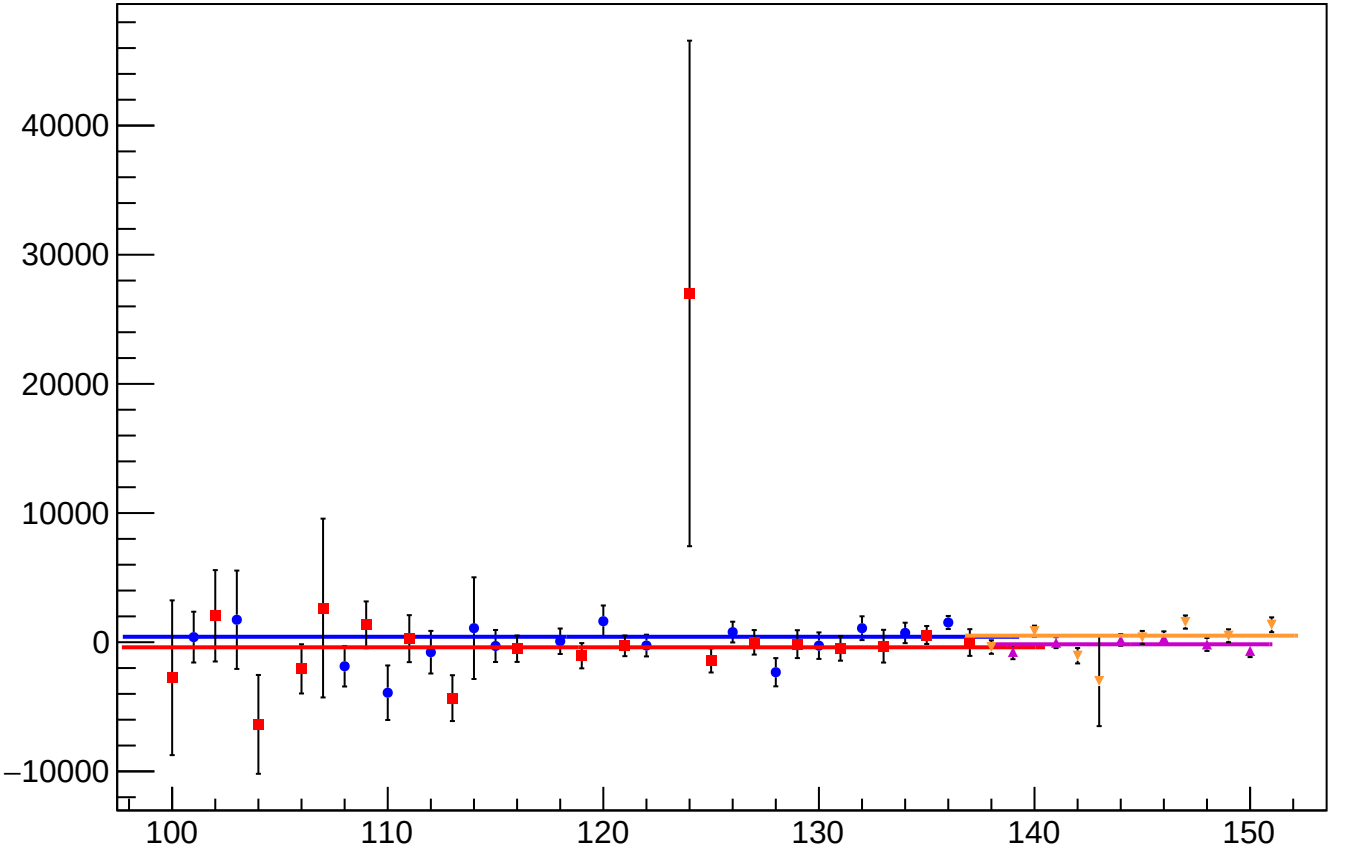
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1875.913+/-0.380 χ^2/NDF:668474.0/21

Out: 1824.521+/-0.354 χ^2/NDF:517951.8/26

All: 1848.400+/-0.259 χ^2/NDF: 1196213.6/48

asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 507.270+/-193.481 χ^2/NDF:17.7/7

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -160.990+/-197.586 χ^2/NDF:3.7/5

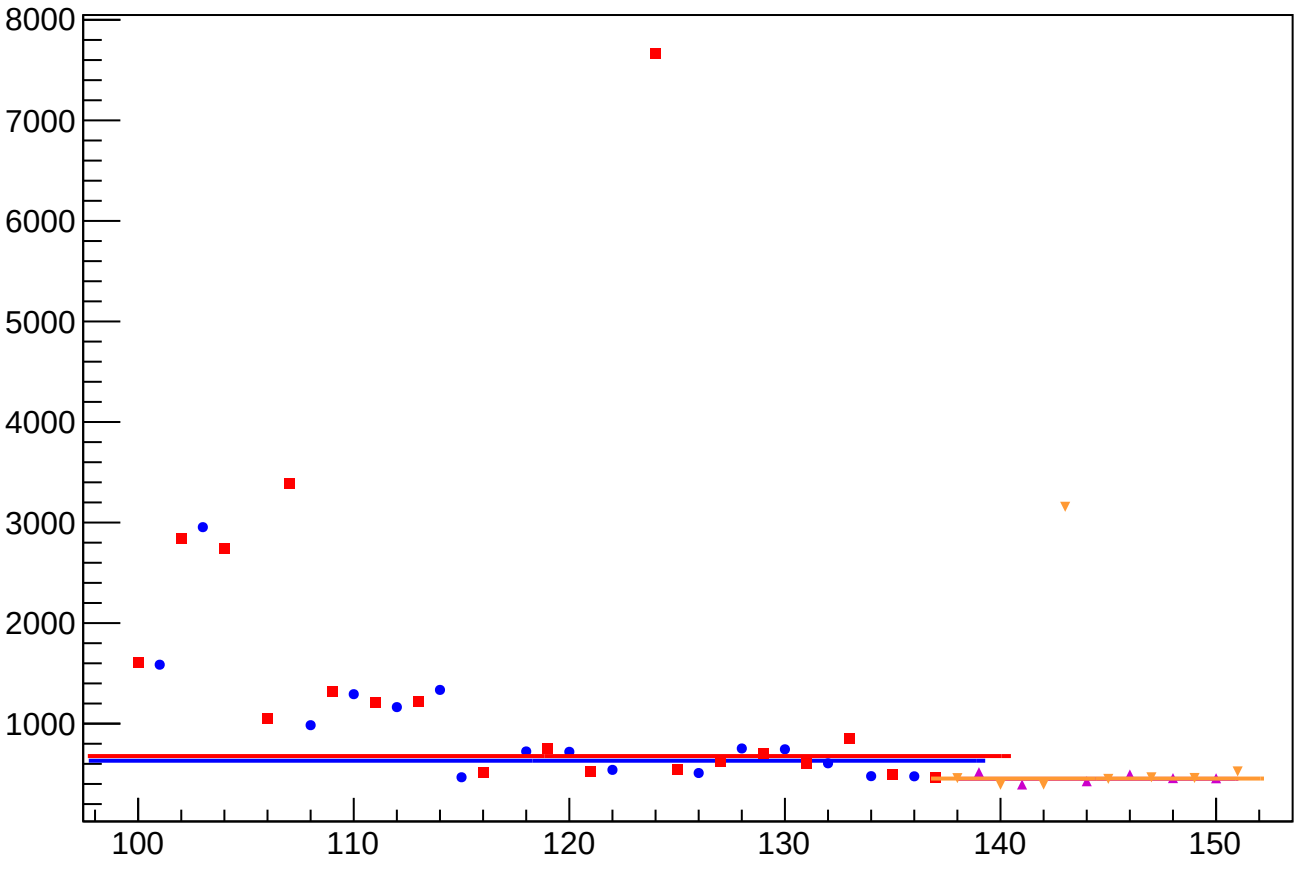
Left: 180.155+/-138.240 χ^2/NDF: 27.3/13

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 55.536+/-156.586 χ^2/NDF:28.4/21

Out: 215.518+/-159.095 χ^2/NDF:40.6/26

All: 134.256+/-111.600 χ^2/NDF: 69.5/48



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 453.747+/-0.137 χ^2/NDF:1290433.8/7

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 450.618+/-0.140 χ^2/NDF:82929.6/5

Left: 452.216+/-0.098 χ^2/NDF: 1373619.4/13

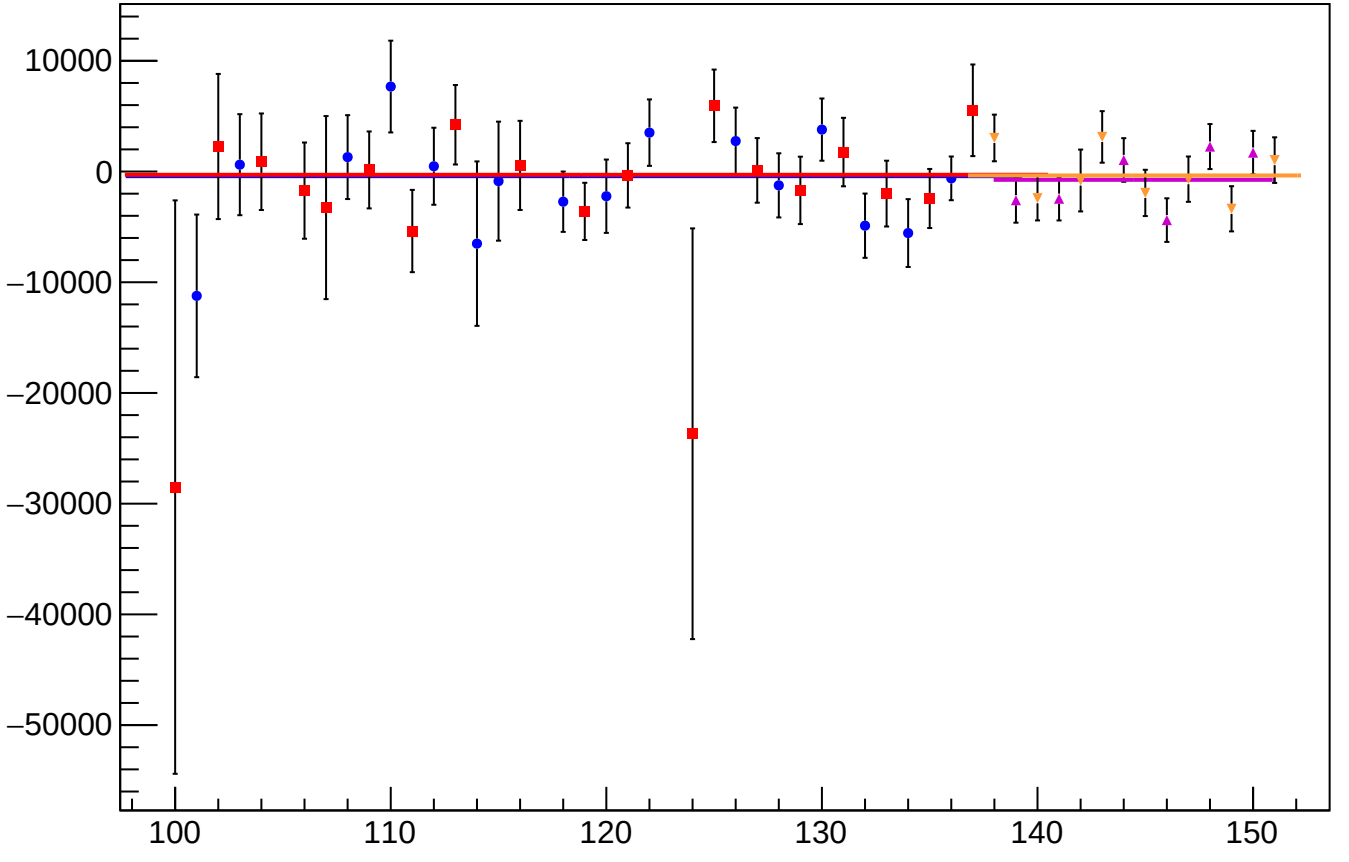
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 517.764+/-0.111 χ^2/NDF:2938363.4/21

Out: 526.191+/-0.112 χ^2/NDF:5237778.3/26

All: 521.910+/-0.079 χ^2/NDF: 8178992.3/48

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -355.435+/-760.334 χ^2/NDF:9.1/7

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -748.621+/-811.579 χ^2/NDF:9.6/5

Left: -539.224+/-554.870 χ^2/NDF: 18.8/13

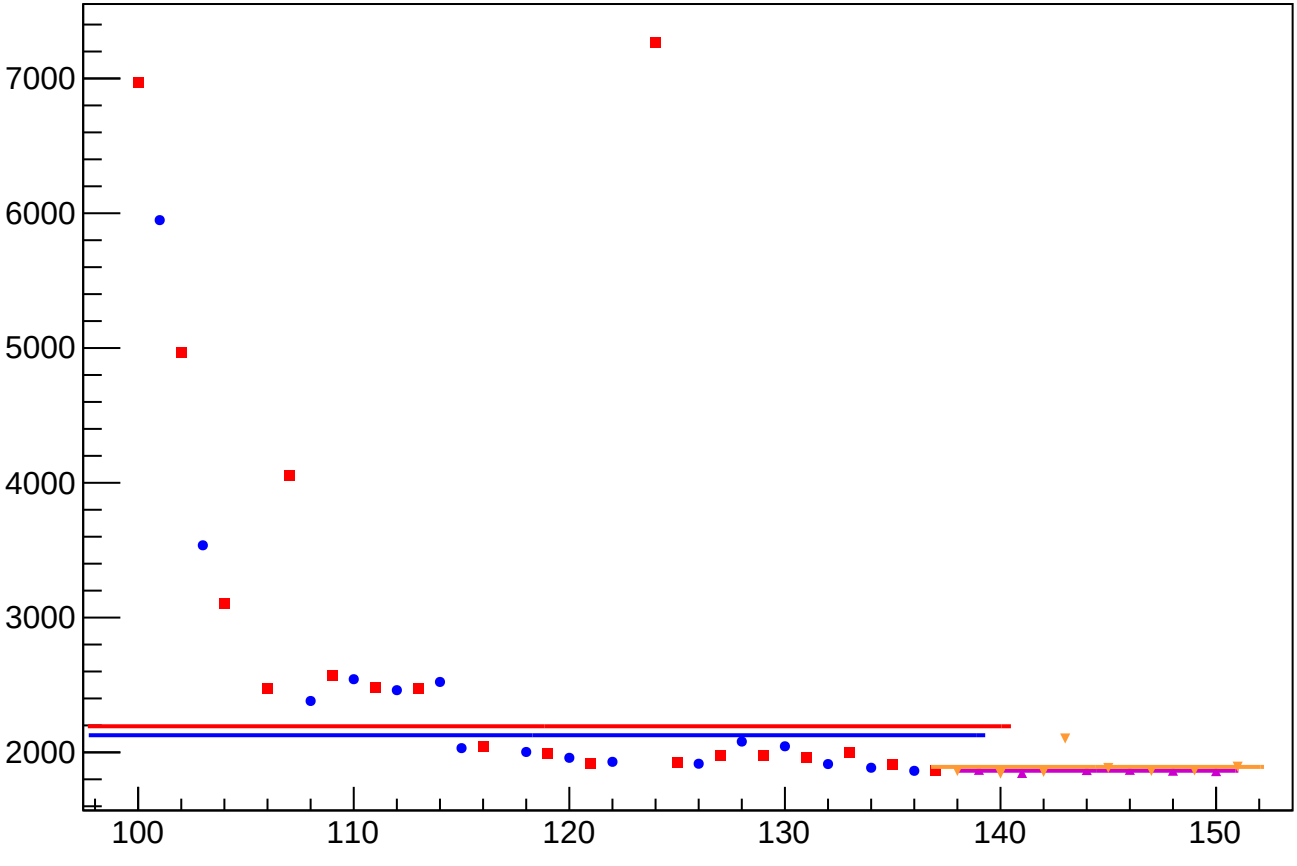
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -583.913+/-575.208 χ^2/NDF:28.0/21

Out: -327.702+/-561.147 χ^2/NDF:24.8/26

All: -452.637+/-401.670 χ^2/NDF: 52.9/48

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1892.070+/-0.538 χ^2/NDF:19188.7/7

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1863.591+/-0.574 χ^2/NDF:203.9/5

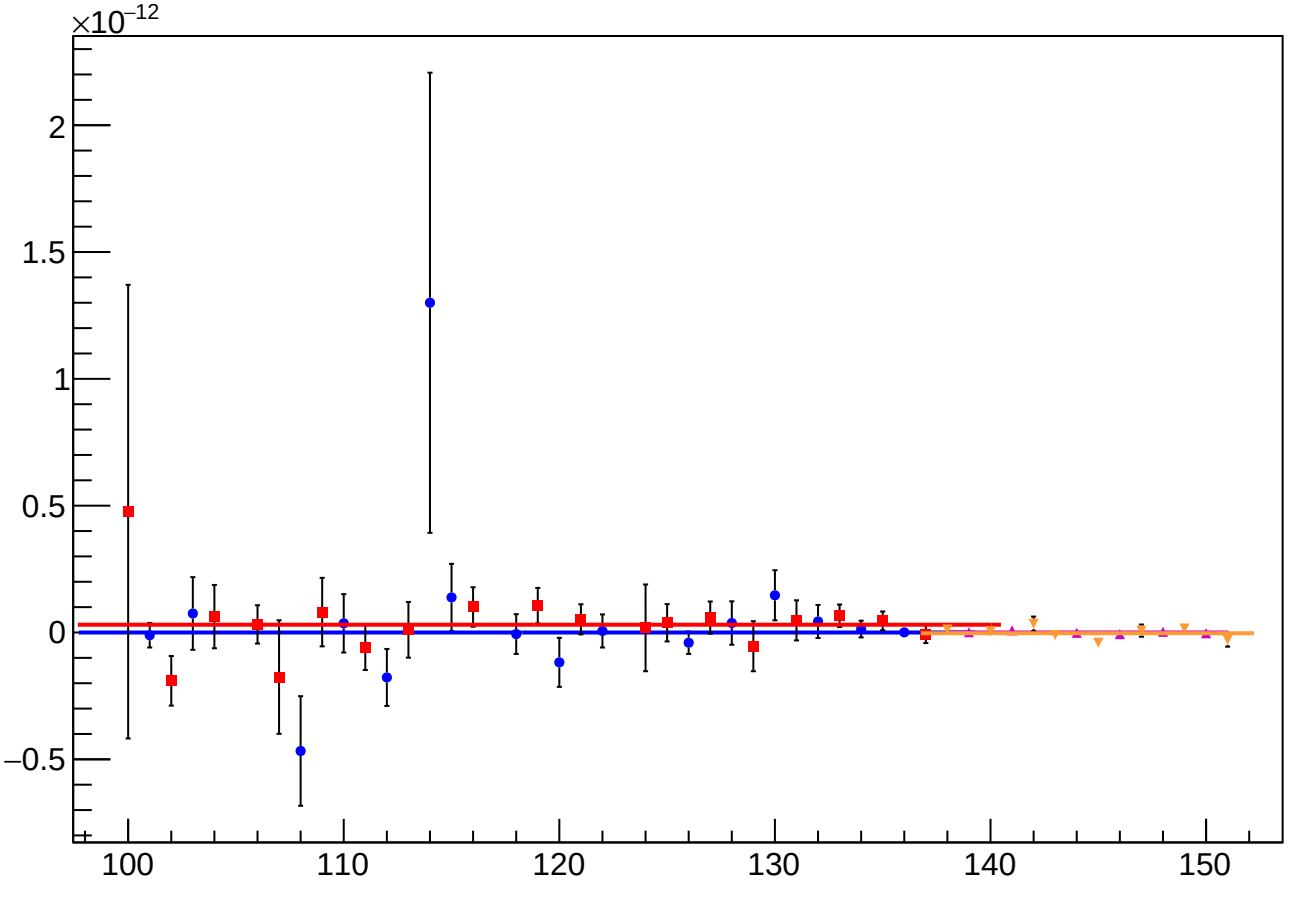
Left: 1878.758+/-0.392 χ^2/NDF: 20704.1/13

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1994.702+/-0.407 χ^2/NDF:980165.4/21

Out: 2029.344+/-0.397 χ^2/NDF:1104949.9/26

All: 2012.452+/-0.284 χ^2/NDF: 2088831.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/5

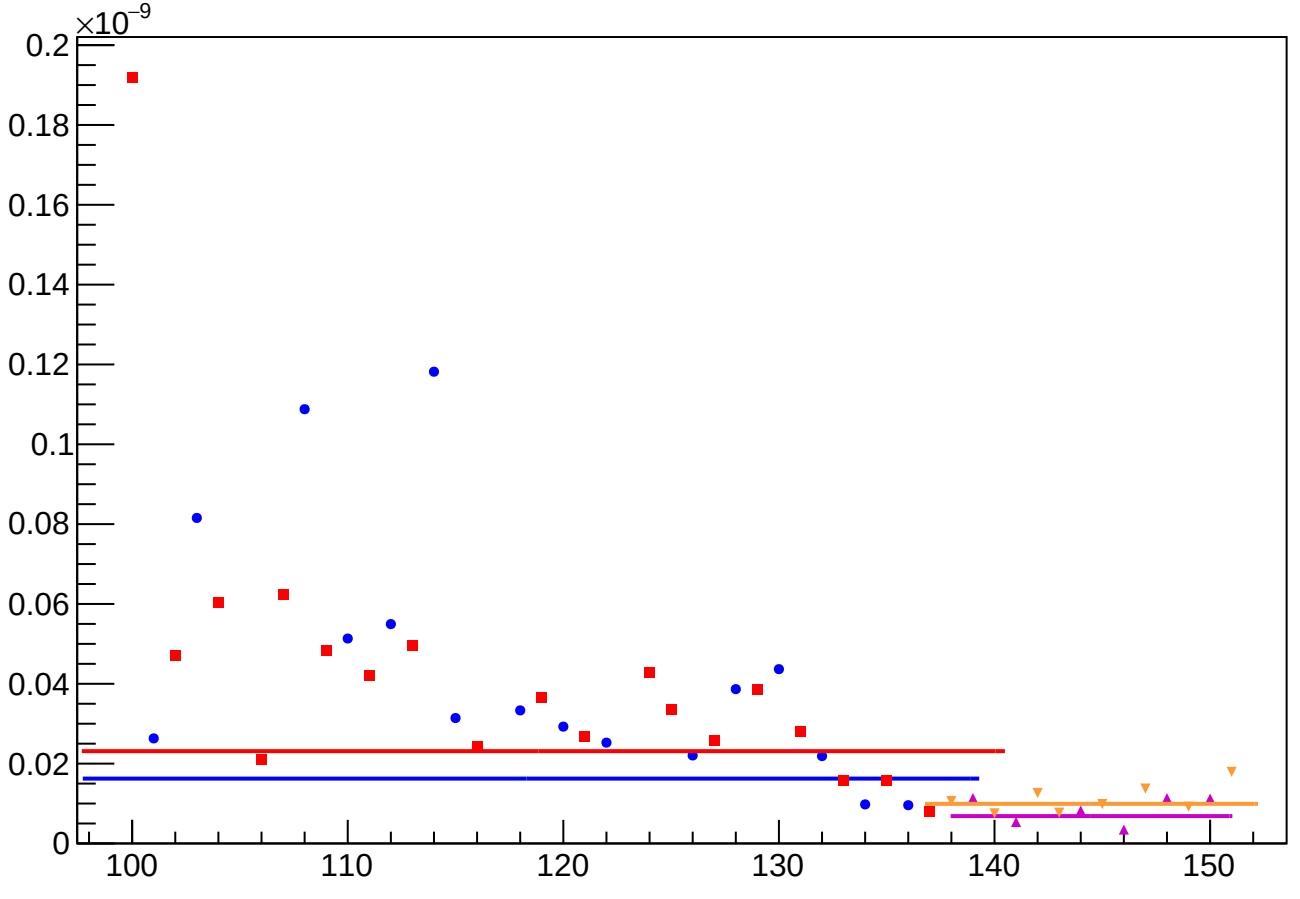
Left: -0.000+/-0.000 χ^2/NDF: 11.5/13

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.1/21

Out: 0.000+/-0.000 χ^2/NDF:26.7/26

All: 0.000+/-0.000 χ^2/NDF: 43.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:349030.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:621450.3/5

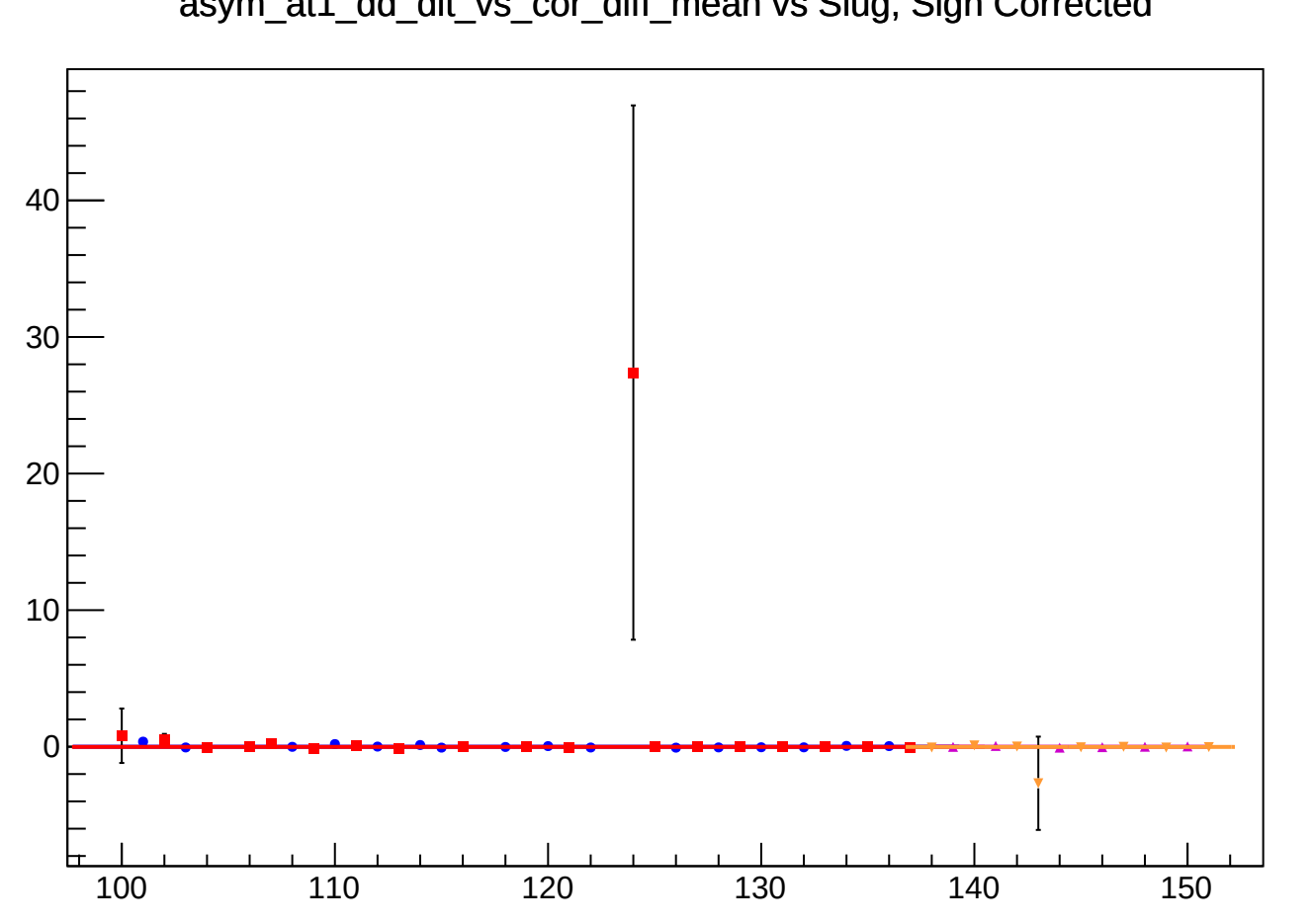
Left: 0.000+/-0.000 χ^2/NDF: 1224818.7/13

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:3935874.5/21

Out: 0.000+/-0.000 χ^2/NDF:2964140.3/26

All: 0.000+/-0.000 χ^2/NDF: 7249419.8/48



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.001+/-0.016 χ^2/NDF:6.4/5

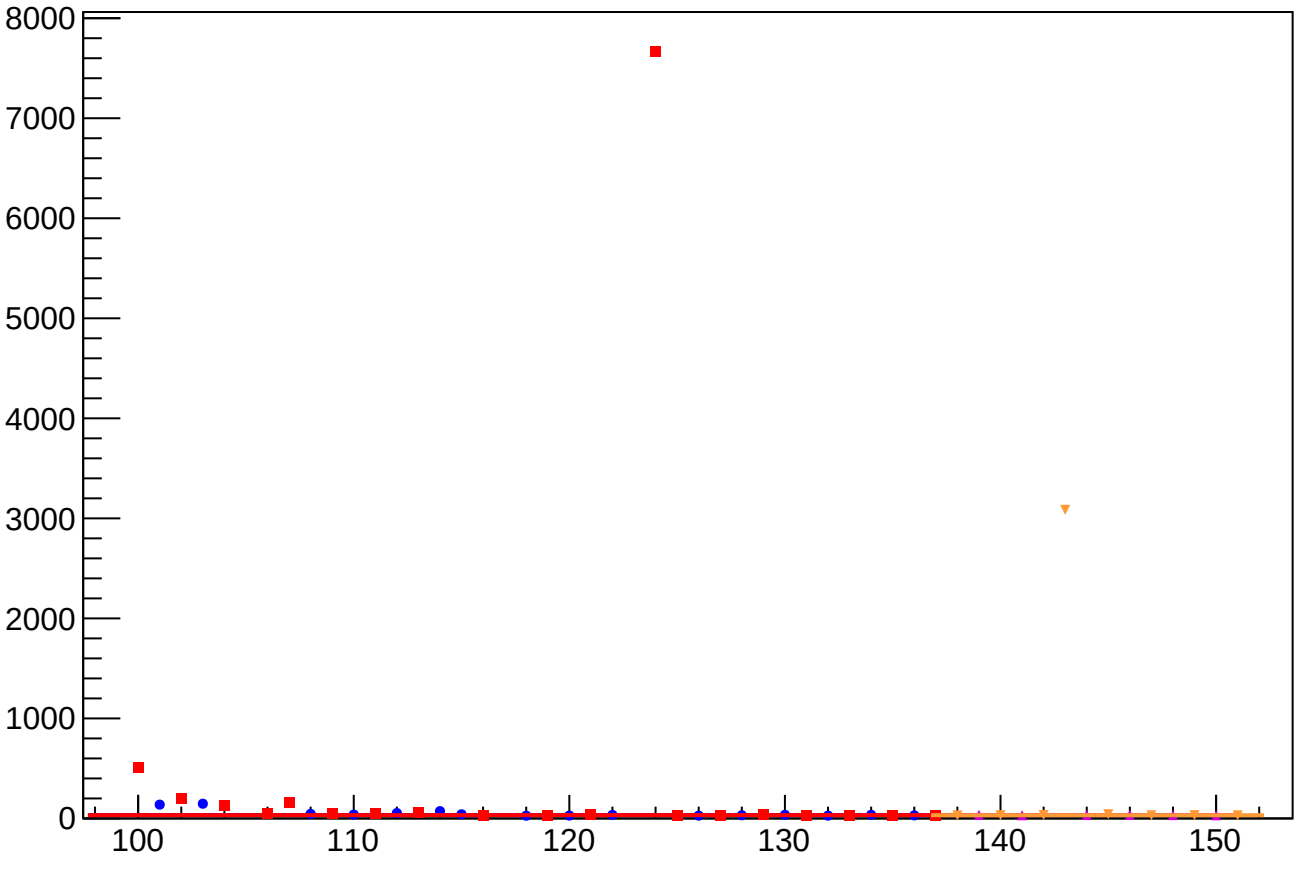
Left: -0.007+/-0.011 χ^2/NDF: 18.8/13

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.011 χ^2/NDF:27.4/21

Out: -0.013+/-0.011 χ^2/NDF:26.3/26

All: -0.006+/-0.008 χ^2/NDF: 54.4/48



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.692+/-0.011 χ^2/NDF:1688736.9/7

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.058+/-0.011 χ^2/NDF:27246.9/5

Left: 33.342+/-0.008 χ^2/NDF: 1723626.3/13

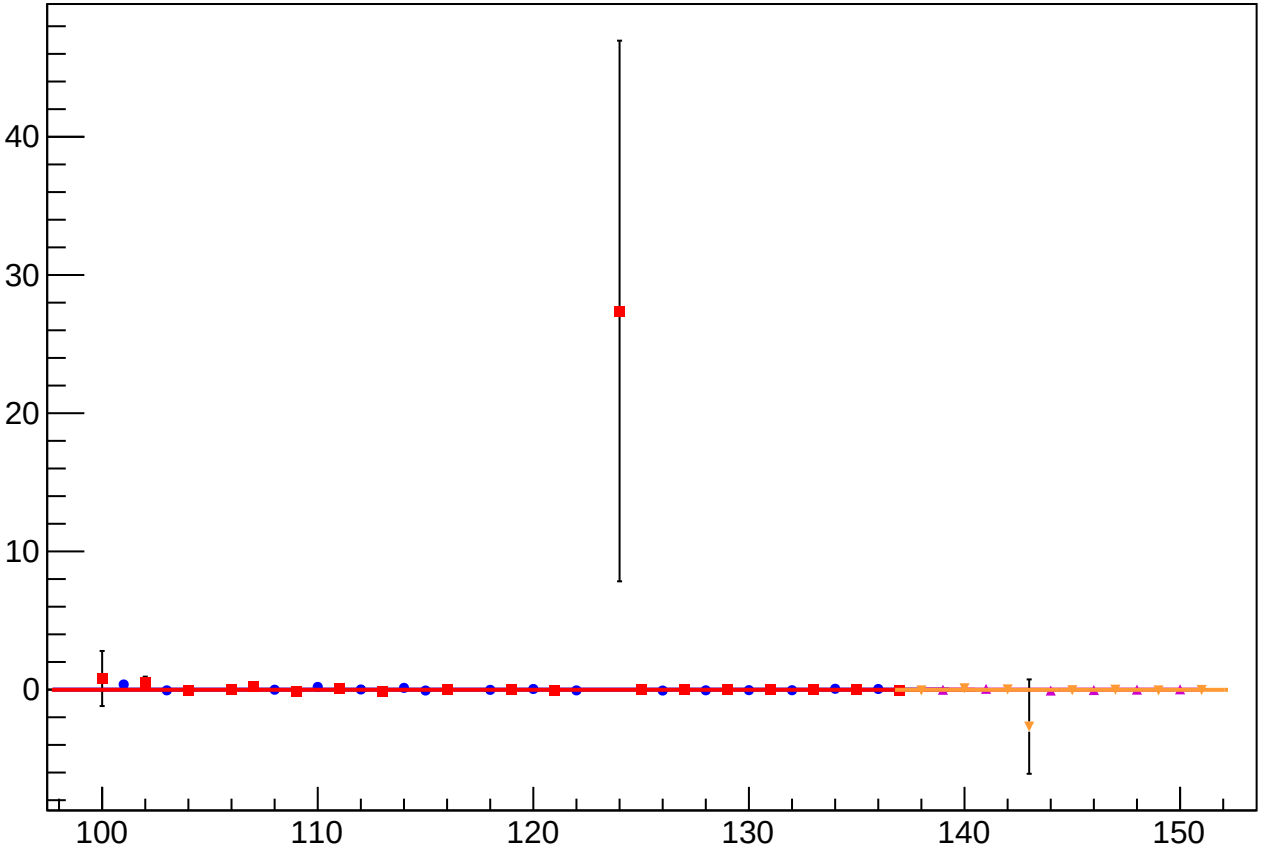
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.057+/-0.008 χ^2/NDF:1744513.1/21

Out: 32.893+/-0.008 χ^2/NDF:3764538.1/26

All: 33.464+/-0.005 χ^2/NDF: 5520783.5/48

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: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.001+/-0.016 χ^2/NDF:6.4/5

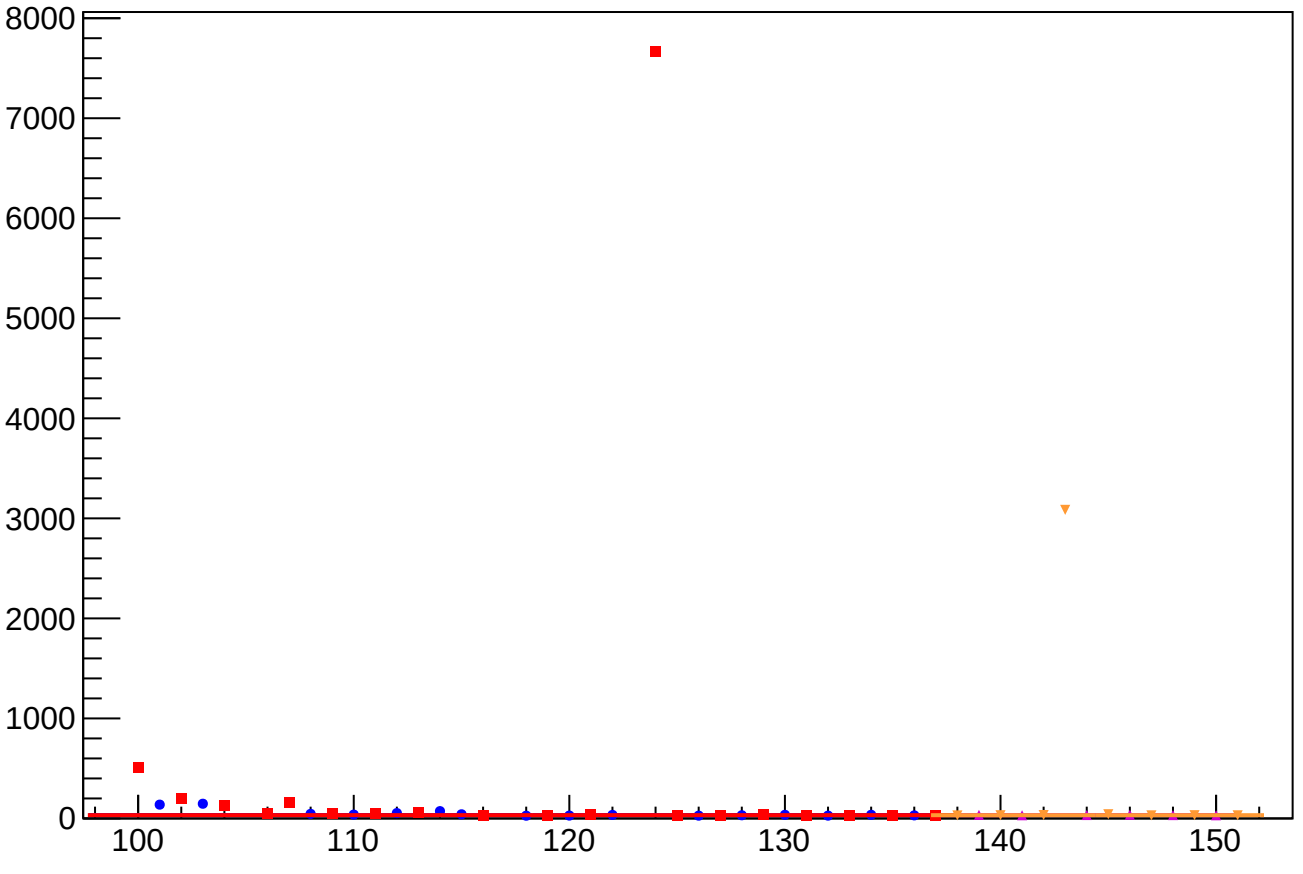
Left: -0.007+/-0.011 χ^2/NDF: 18.8/13

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.011 χ^2/NDF:27.4/21

Out: -0.013+/-0.011 χ^2/NDF:26.3/26

All: -0.006+/-0.008 χ^2/NDF: 54.4/48



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.692+/-0.011 χ^2/NDF:1688736.9/7

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 34.058+/-0.011 χ^2/NDF:27246.9/5

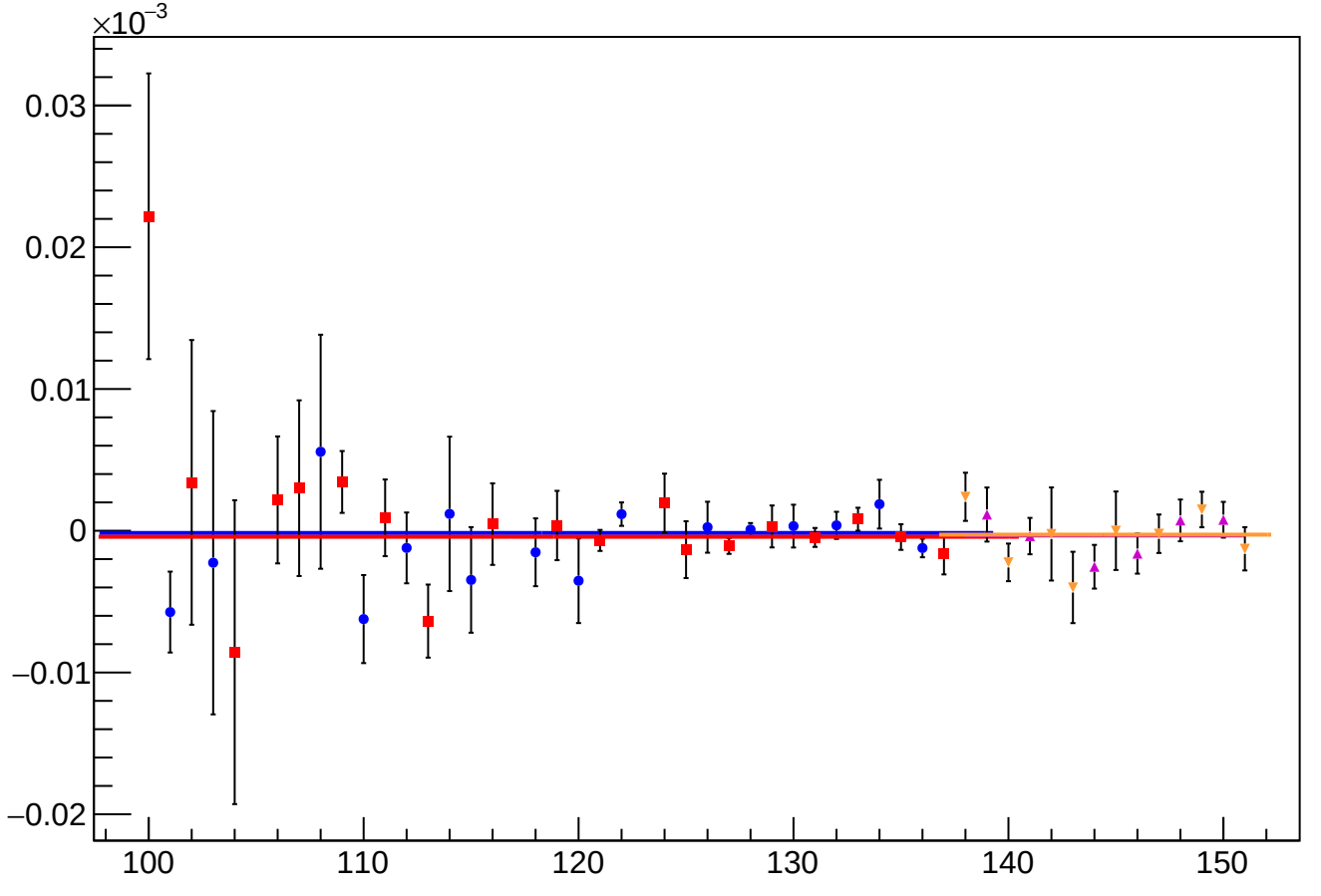
Left: 33.342+/-0.008 χ^2/NDF: 1723626.3/13

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 34.057+/-0.008 χ^2/NDF:1744513.1/21

Out: 32.893+/-0.008 χ^2/NDF:3764538.1/26

All: 33.464+/-0.005 χ^2/NDF: 5520783.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/5

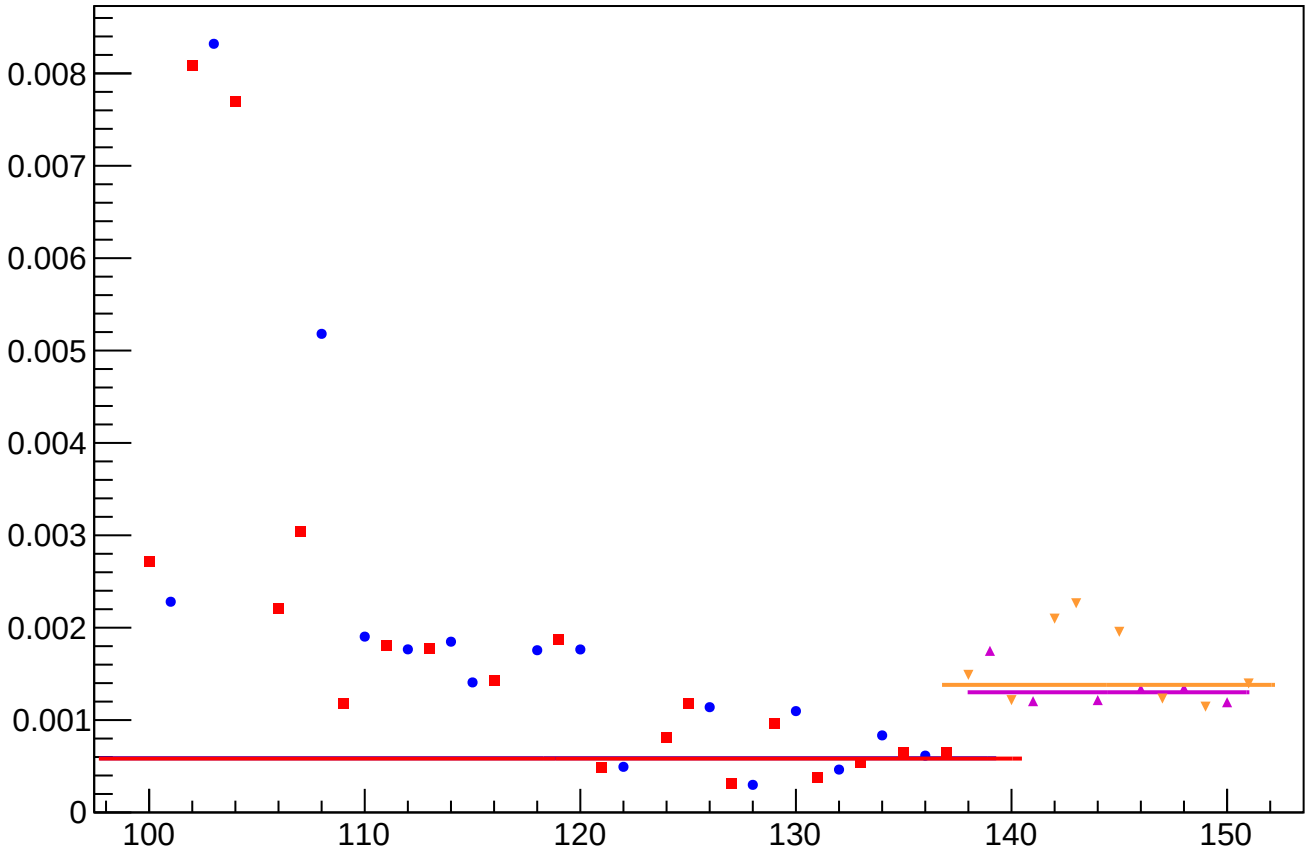
Left: -0.000+/-0.000 χ^2/NDF: 14.0/13

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:23.0/21

Out: -0.000+/-0.000 χ^2/NDF:30.9/26

All: -0.000+/-0.000 χ^2/NDF: 54.2/48



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:561594.1/7

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:145601.9/5

Left: 0.001+/-0.000 χ^2/NDF: 725827.9/13

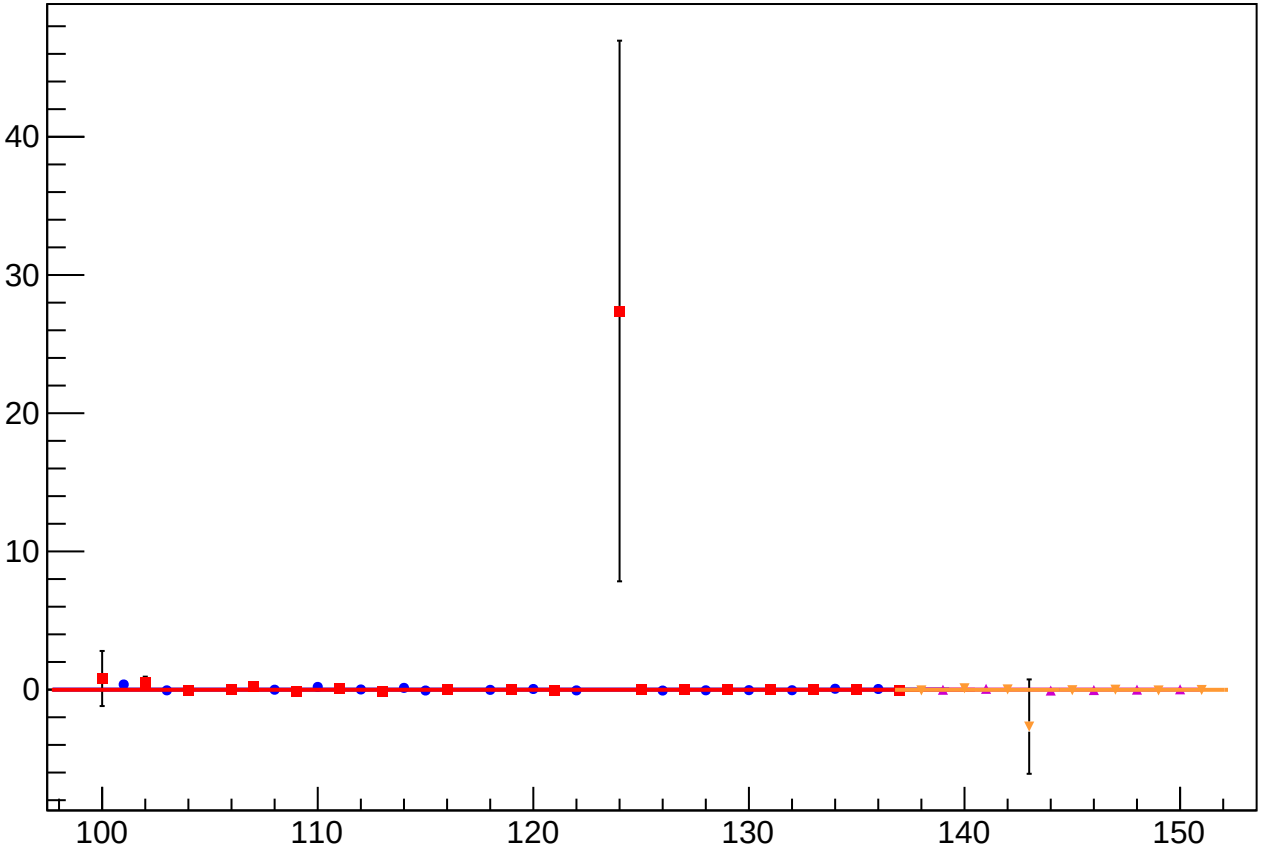
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:7994786.0/21

Out: 0.001+/-0.000 χ^2/NDF:8986246.1/26

All: 0.001+/-0.000 χ^2/NDF: 16981570.0/48

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: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.001+/-0.016 χ^2/NDF:6.4/5

Left: -0.007+/-0.011 χ^2/NDF: 18.8/13

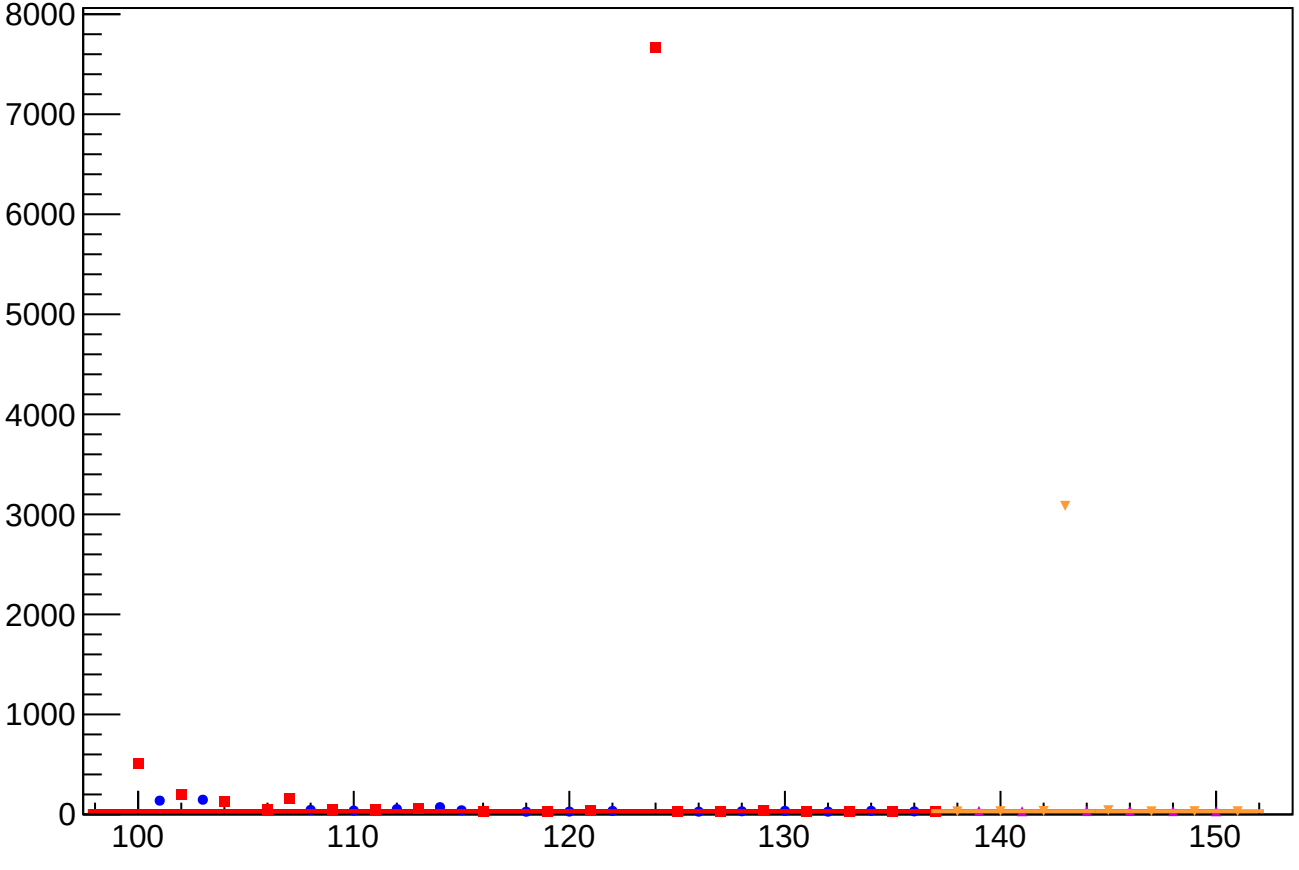
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.011 χ^2/NDF:27.4/21

Out: -0.013+/-0.011 χ^2/NDF:26.3/26

All: -0.006+/-0.008 χ^2/NDF: 54.4/48

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.692+/-0.011 χ^2/NDF:1688737.4/7

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.058+/-0.011 χ^2/NDF:27248.4/5

Left: 33.342+/-0.008 χ^2/NDF: 1723629.9/13

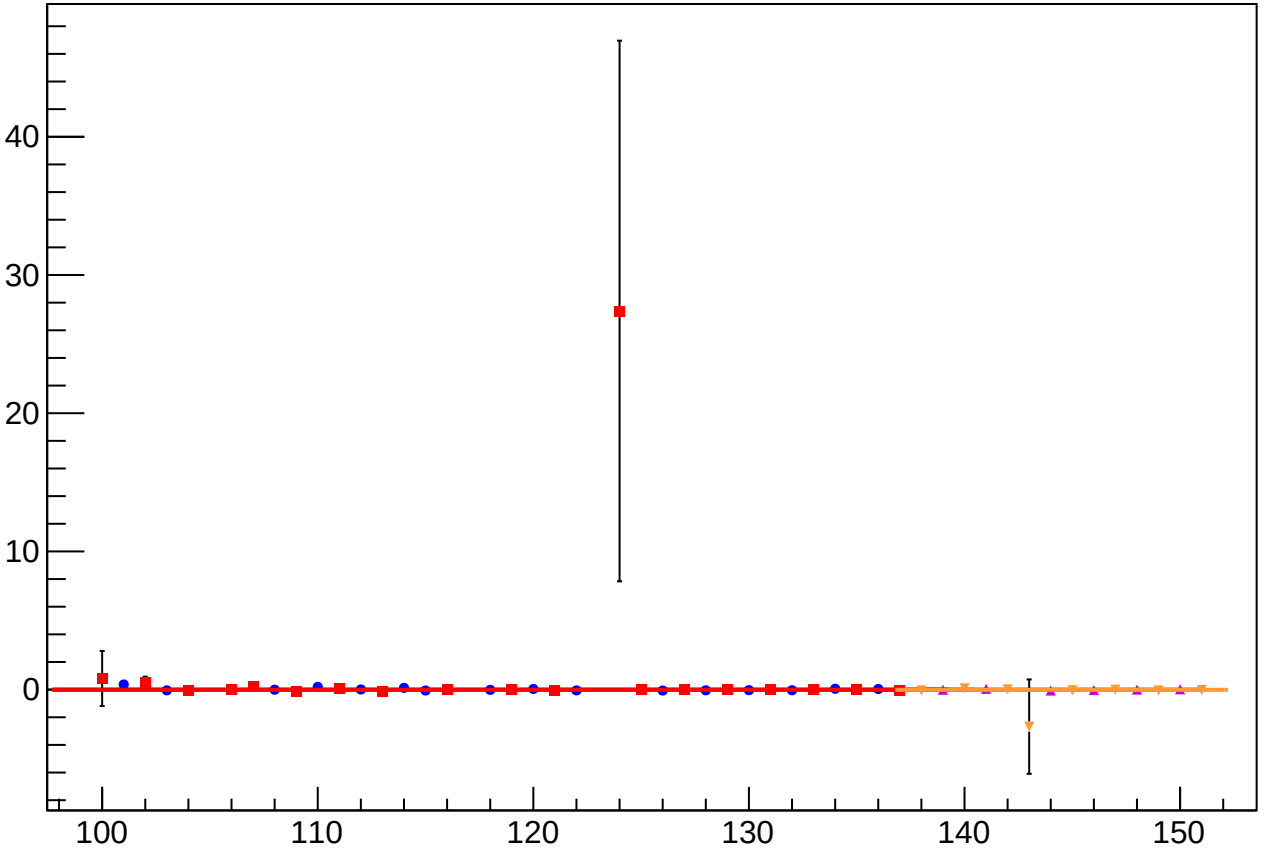
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.057+/-0.008 χ^2/NDF:1744502.9/21

Out: 32.893+/-0.008 χ^2/NDF:3764519.9/26

All: 33.464+/-0.005 χ^2/NDF: 5520757.8/48

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: -0.014+/-0.015 χ^2/NDF:12.0/7

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.001+/-0.016 χ^2/NDF:6.4/5

Left: -0.007+/-0.011 χ^2/NDF: 18.8/13

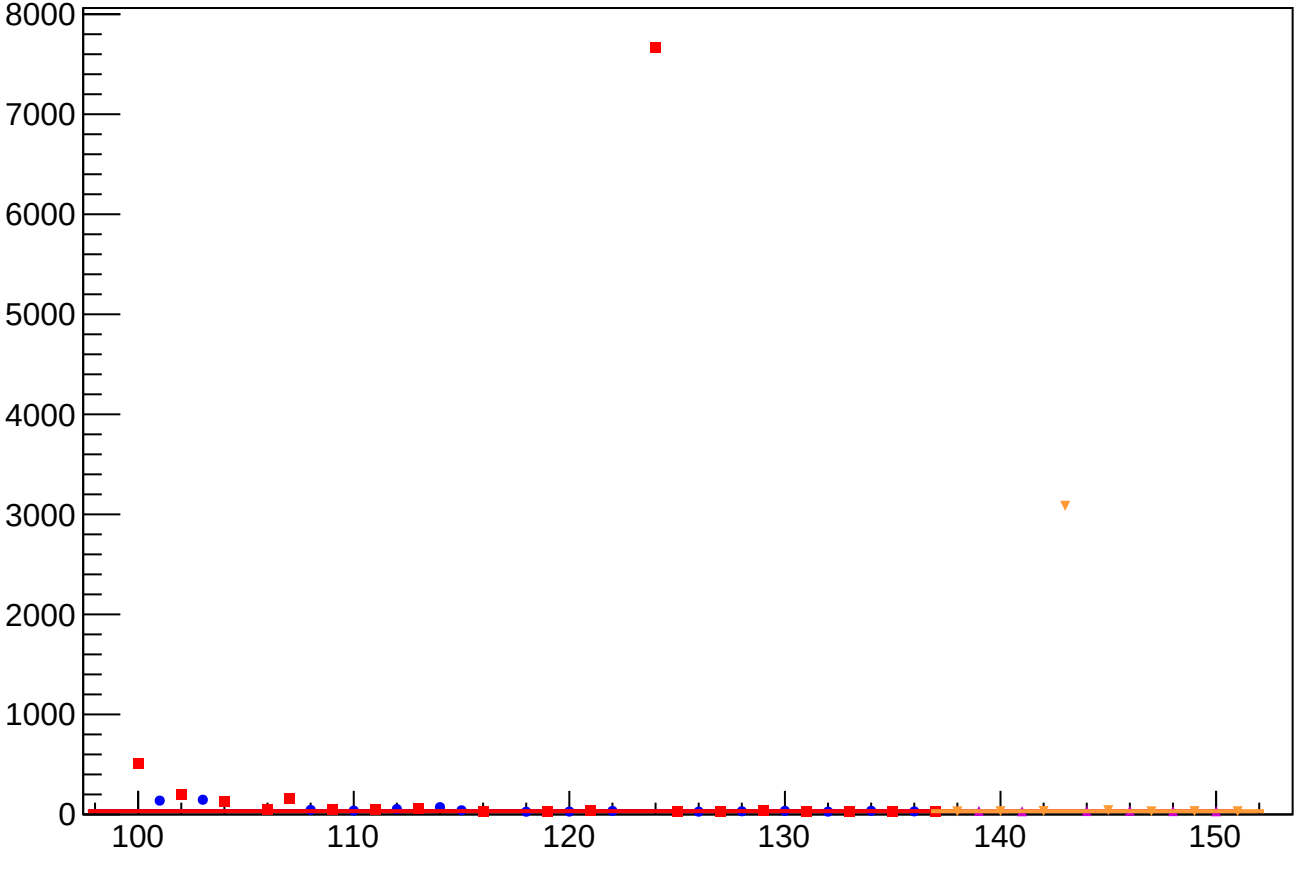
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.001+/-0.011 χ^2/NDF:27.4/21

Out: -0.013+/-0.011 χ^2/NDF:26.3/26

All: -0.006+/-0.008 χ^2/NDF: 54.4/48

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.692+/-0.011 χ^2/NDF:1688737.4/7

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 34.058+/-0.011 χ^2/NDF:27248.4/5

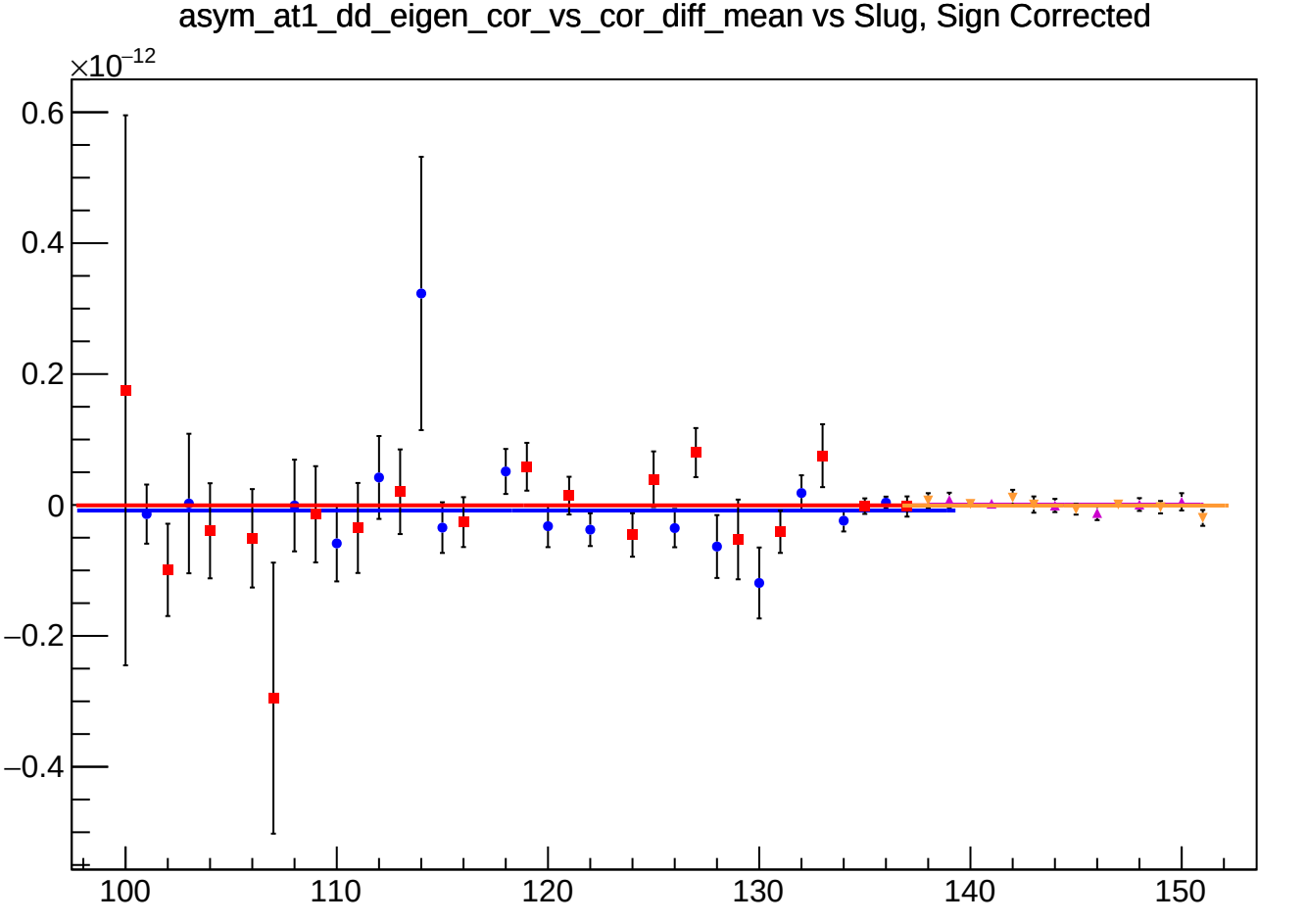
Left: 33.342+/-0.008 χ^2/NDF: 1723629.9/13

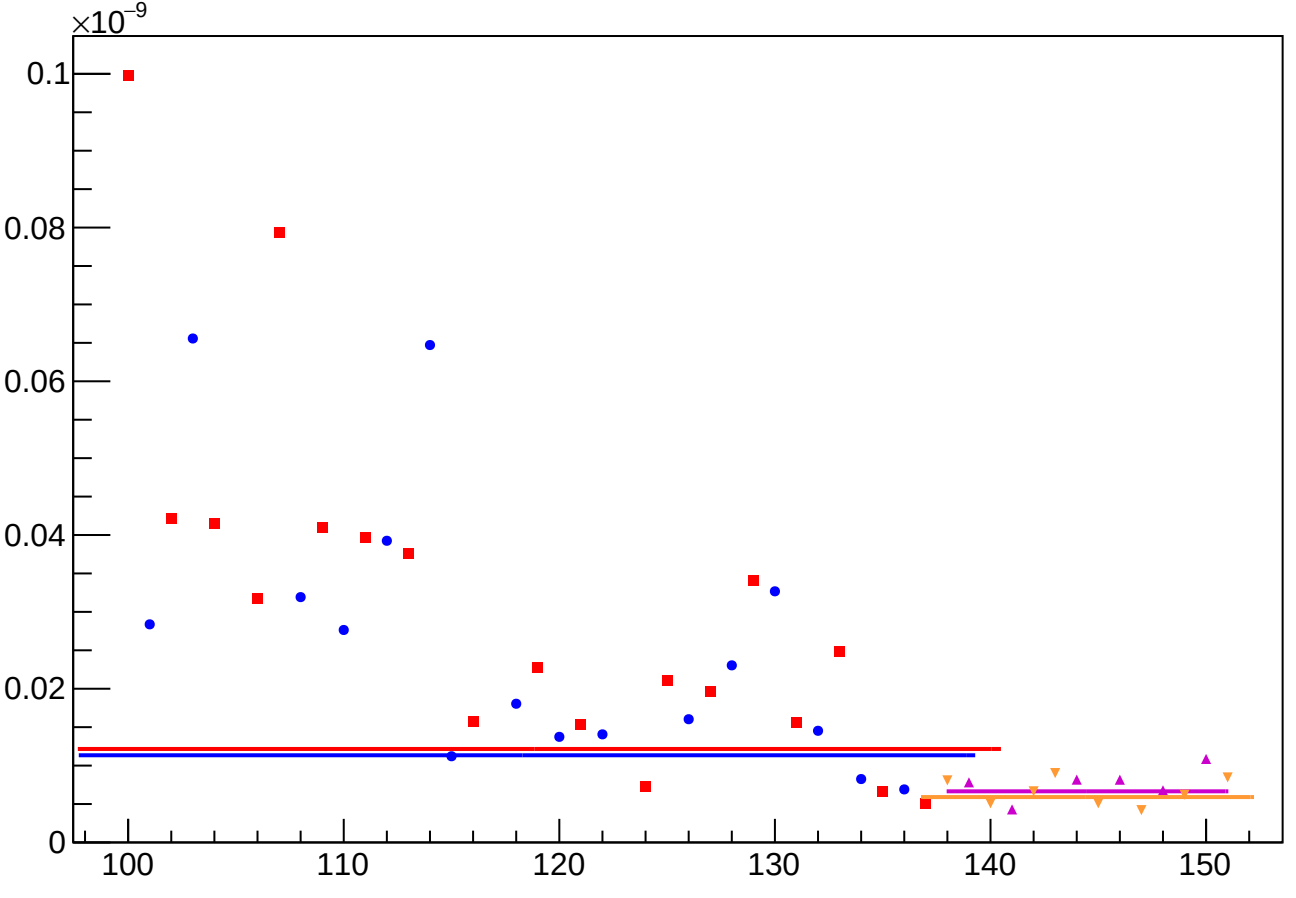
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 34.057+/-0.008 χ^2/NDF:1744502.9/21

Out: 32.893+/-0.008 χ^2/NDF:3764519.9/26

All: 33.464+/-0.005 χ^2/NDF: 5520757.8/48


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
150
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: -0.000+/-0.000 χ²/NDF:4.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 20.8/18
Left In: 0.000+/-0.000 χ²/NDF:1.9/5
Left: -0.000+/-0.000 χ²/NDF: 6.6/13
Right: -0.000+/-0.000 χ²/NDF: 40.7/34
In: -0.000+/-0.000 χ²/NDF:22.6/21
Out: -0.000+/-0.000 χ²/NDF:25.4/26
All: -0.000+/-0.000 χ²/NDF: 48.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:458354.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:601399.5/5

Left: 0.000+/-0.000 χ^2/NDF: 1104674.5/13

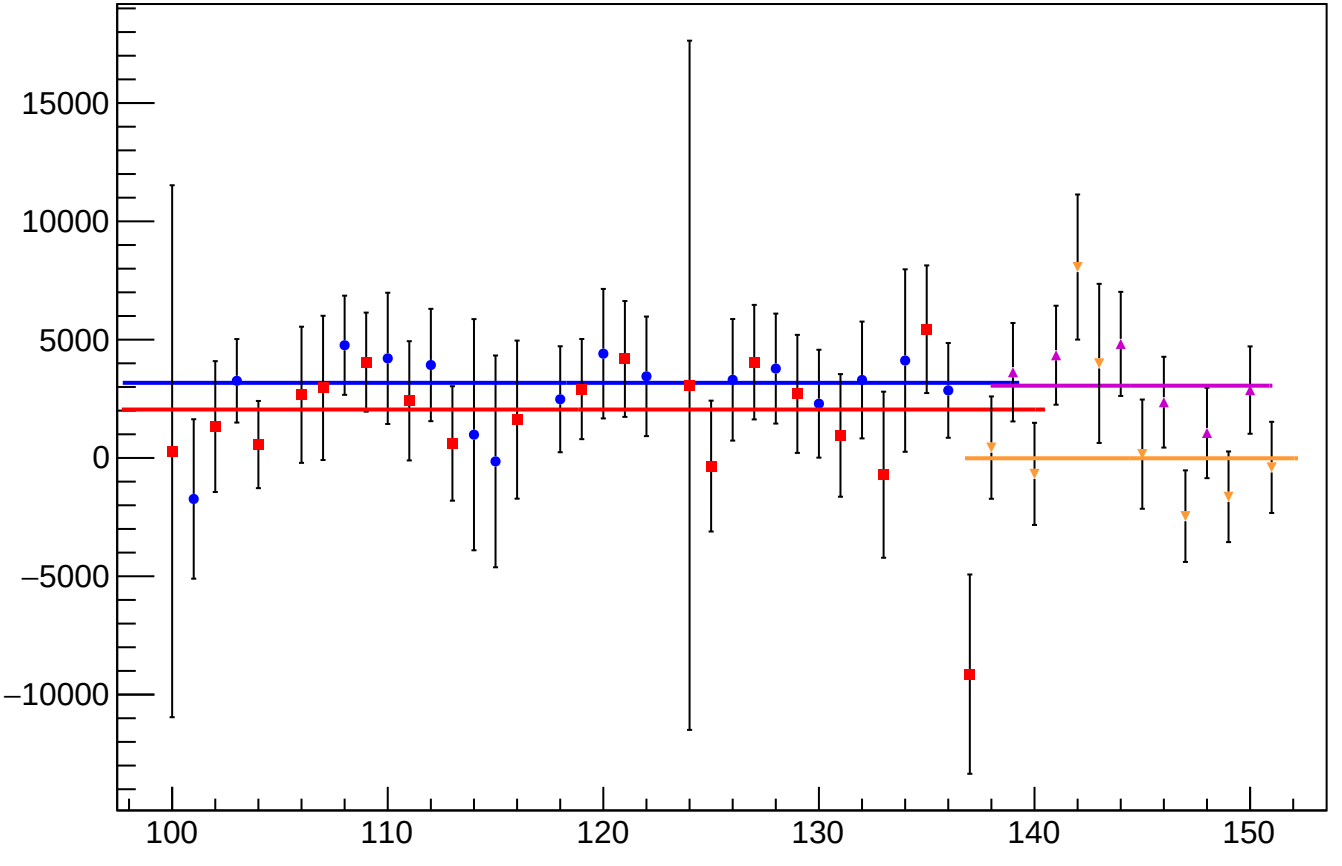
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4207206.6/21

Out: 0.000+/-0.000 χ^2/NDF:5460385.2/26

All: 0.000+/-0.000 χ^2/NDF: 9760707.5/48

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -12.659+/-785.646 χ^2/NDF:10.9/7

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3054.557+/-815.132 χ^2/NDF:2.3/5

Left: 1464.471+/-565.672 χ^2/NDF: 20.5/13

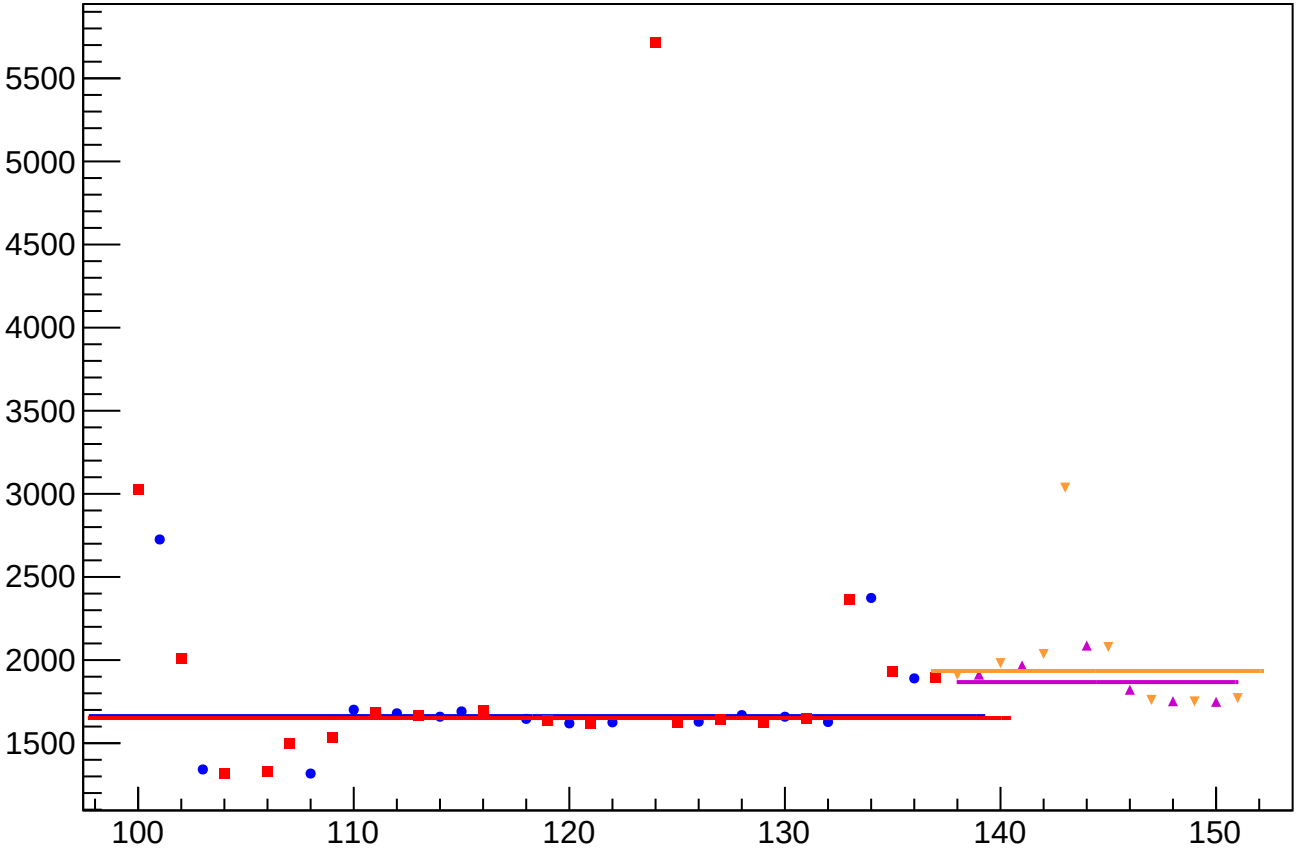
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3130.515+/-497.476 χ^2/NDF:6.7/21

Out: 1254.459+/-487.425 χ^2/NDF:29.1/26

All: 2173.344+/-348.161 χ^2/NDF: 43.1/48

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1934.433+/-0.556 χ^2/NDF:275361.4/7

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1867.605+/-0.576 χ^2/NDF:42114.4/5

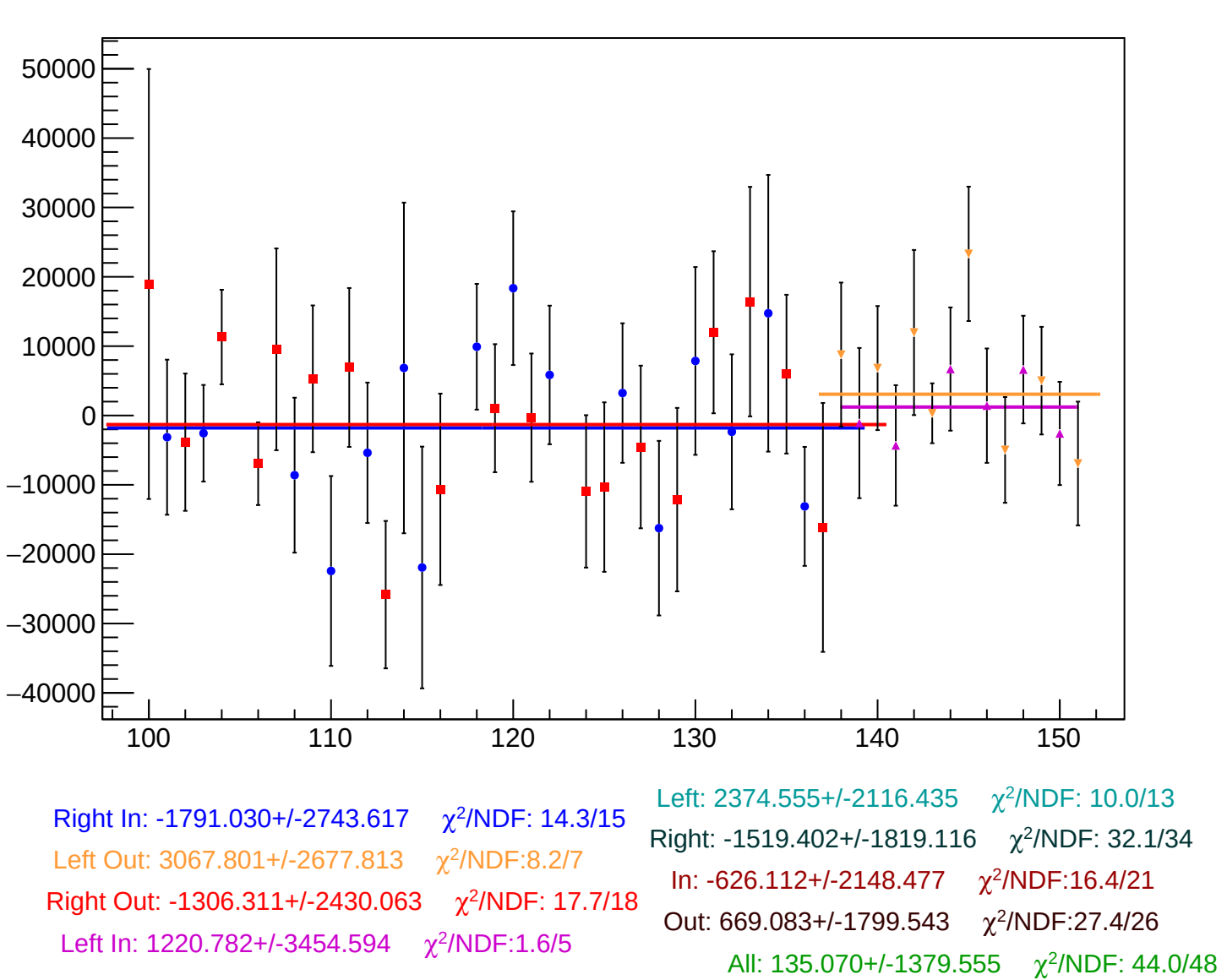
Left: 1902.250+/-0.400 χ^2/NDF: 324444.8/13

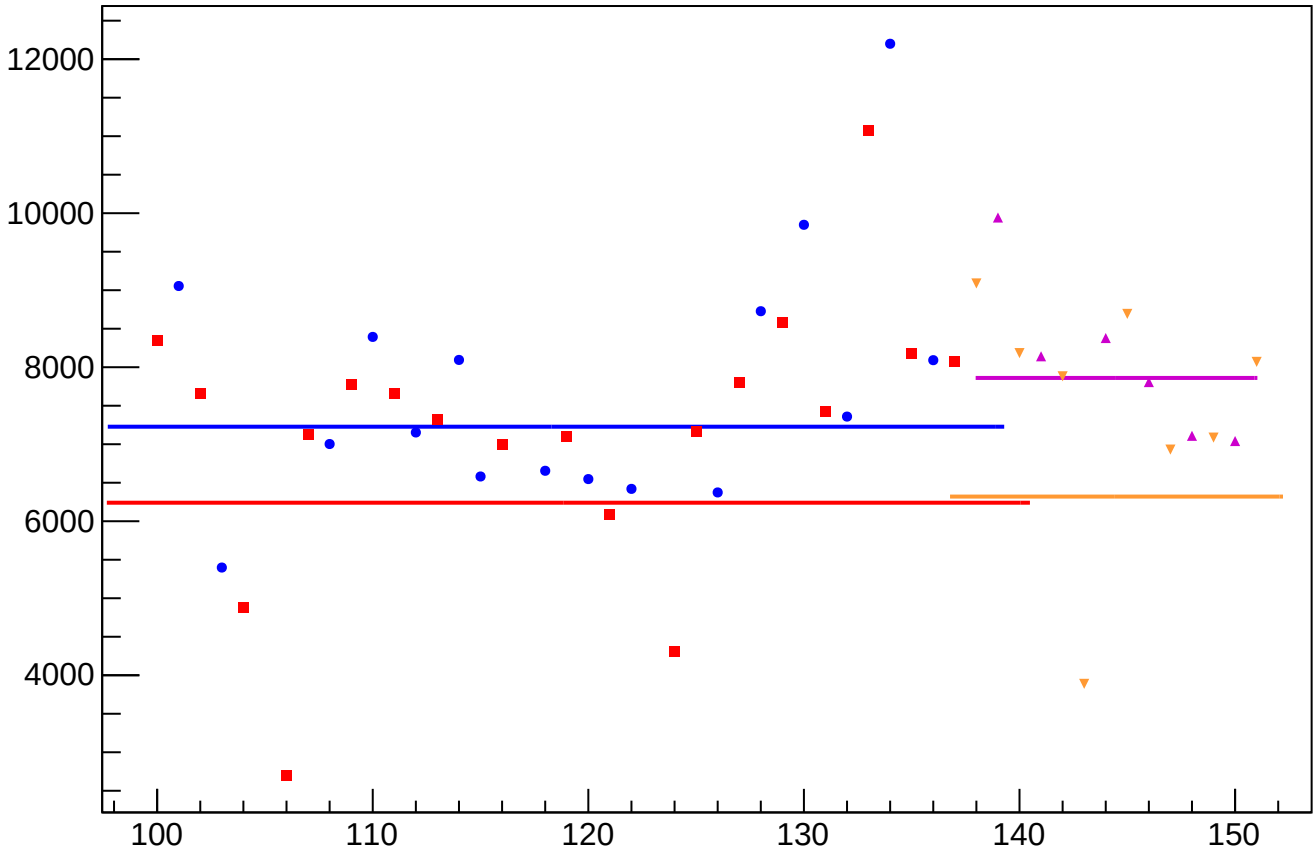
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1739.147+/-0.352 χ^2/NDF:536897.3/21

Out: 1760.295+/-0.345 χ^2/NDF:867071.9/26

All: 1749.937+/-0.246 χ^2/NDF: 1405813.3/48


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: 3067.801+/-2677.813 χ²/NDF:8.2/7
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 1220.782+/-3454.594 χ²/NDF:1.6/5
Left: 2374.555+/-2116.435 χ²/NDF: 10.0/13
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: -626.112+/-2148.477 χ²/NDF:16.4/21
Out: 669.083+/-1799.543 χ²/NDF:27.4/26
All: 135.070+/-1379.555 χ²/NDF: 44.0/48



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6320.232+/-1.894 χ^2/NDF:1126366.2/7

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 7860.803+/-2.443 χ^2/NDF:125966.1/5

Left: 6898.458+/-1.497 χ^2/NDF: 1500787.7/13

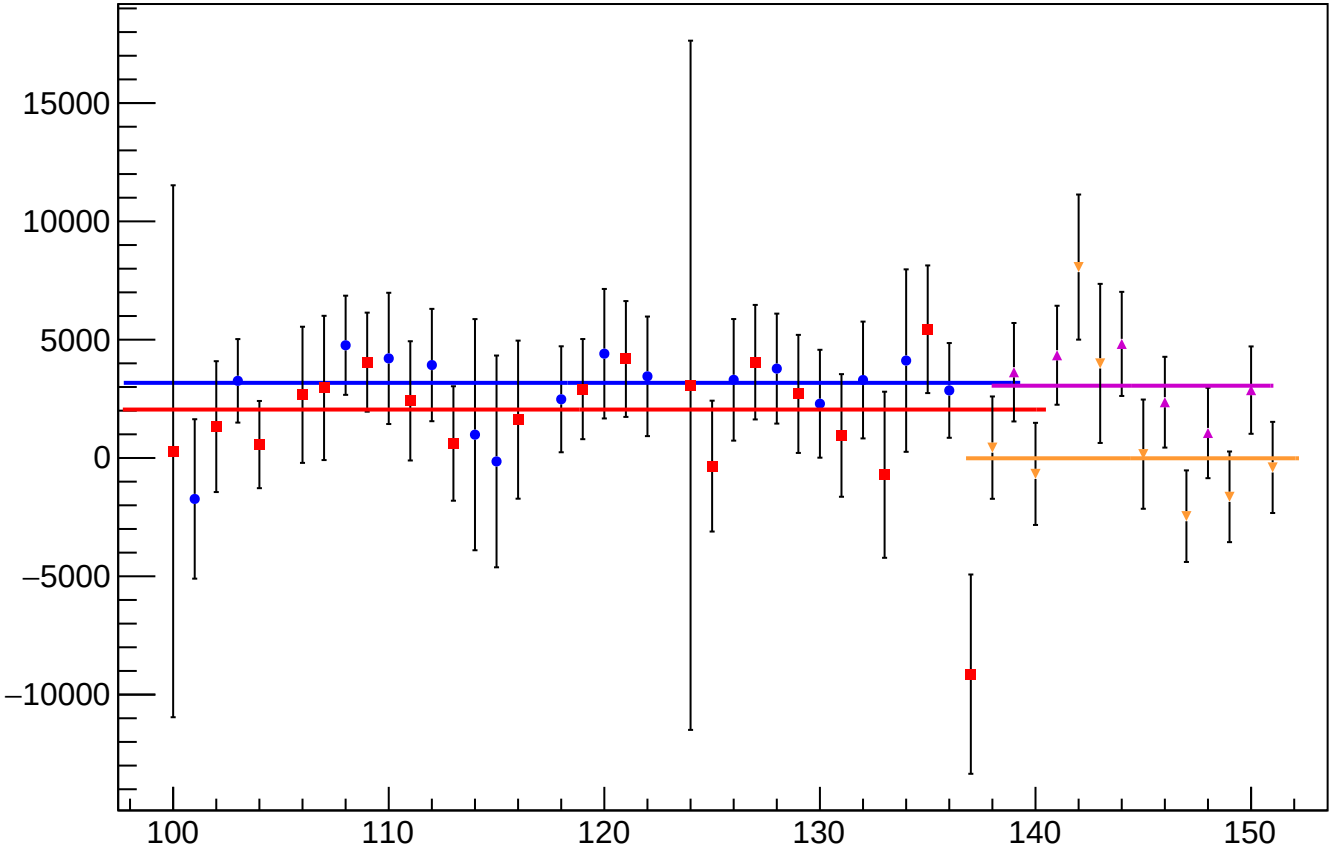
Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7472.506+/-1.519 χ^2/NDF:670432.0/21

Out: 6276.539+/-1.272 χ^2/NDF:2526414.6/26

All: 6769.640+/-0.975 χ^2/NDF: 3561063.8/48

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -12.724+/-785.646 χ^2/NDF:10.9/7

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3054.726+/-815.132 χ^2/NDF:2.3/5

Left: 1464.519+/-565.672 χ^2/NDF: 20.5/13

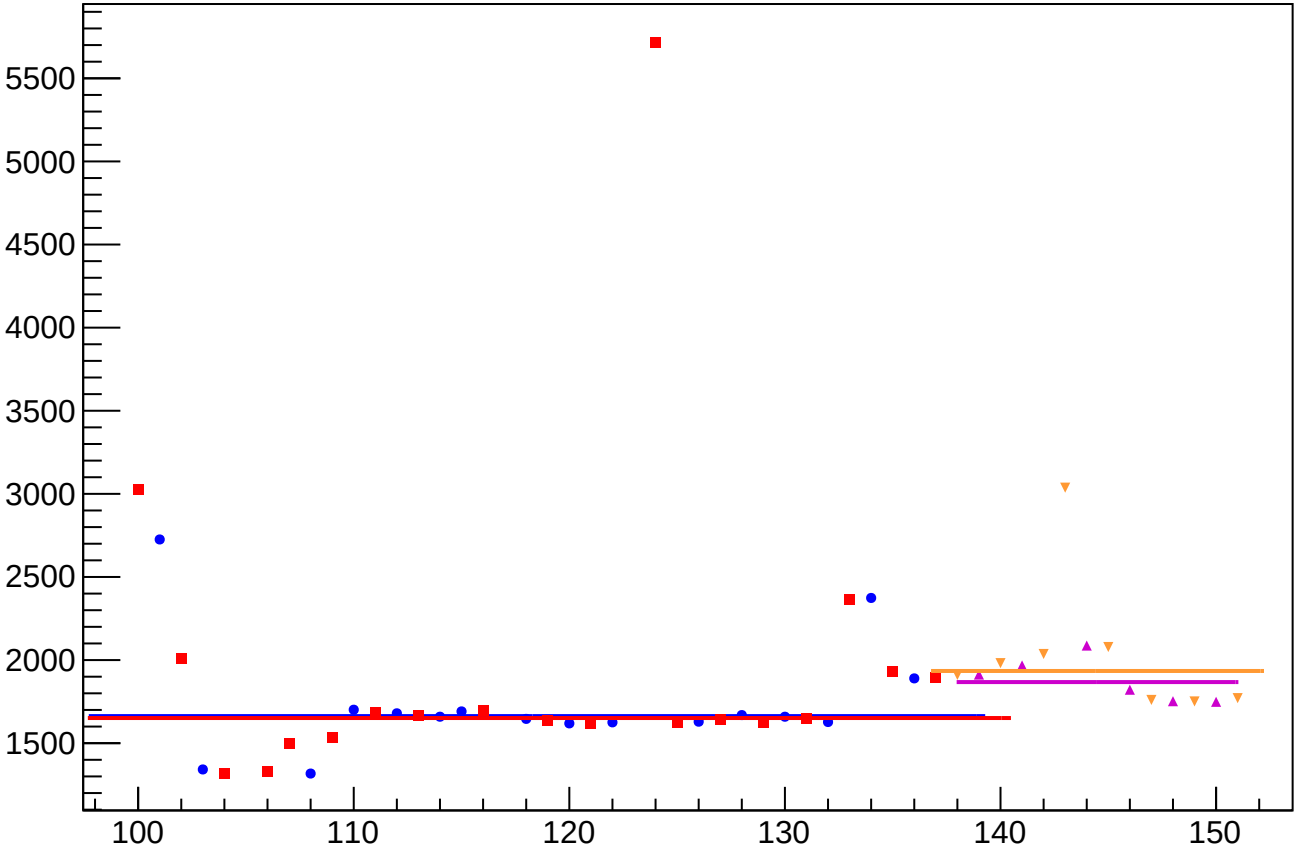
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3130.634+/-497.476 χ^2/NDF:6.7/21

Out: 1254.314+/-487.425 χ^2/NDF:29.1/26

All: 2173.329+/-348.161 χ^2/NDF: 43.1/48

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1934.433+/-0.556 χ^2/NDF:275361.4/7

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1867.605+/-0.576 χ^2/NDF:42114.4/5

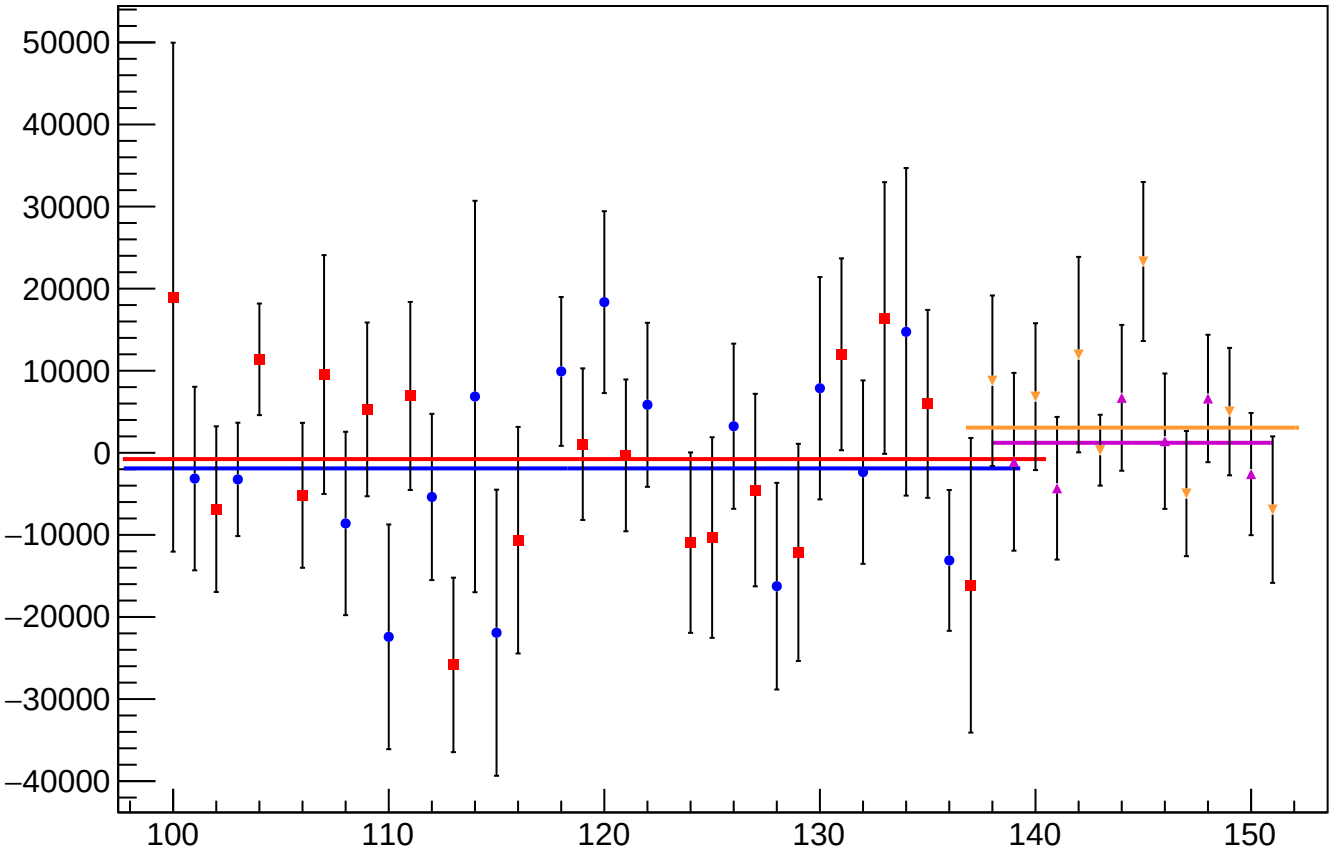
Left: 1902.250+/-0.400 χ^2/NDF: 324444.8/13

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1739.147+/-0.352 χ^2/NDF:536897.8/21

Out: 1760.295+/-0.345 χ^2/NDF:867072.2/26

All: 1749.937+/-0.246 χ^2/NDF: 1405814.0/48



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3067.698+/-2677.801 χ^2/NDF:8.2/7

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1220.899+/-3454.591 χ^2/NDF:1.6/5

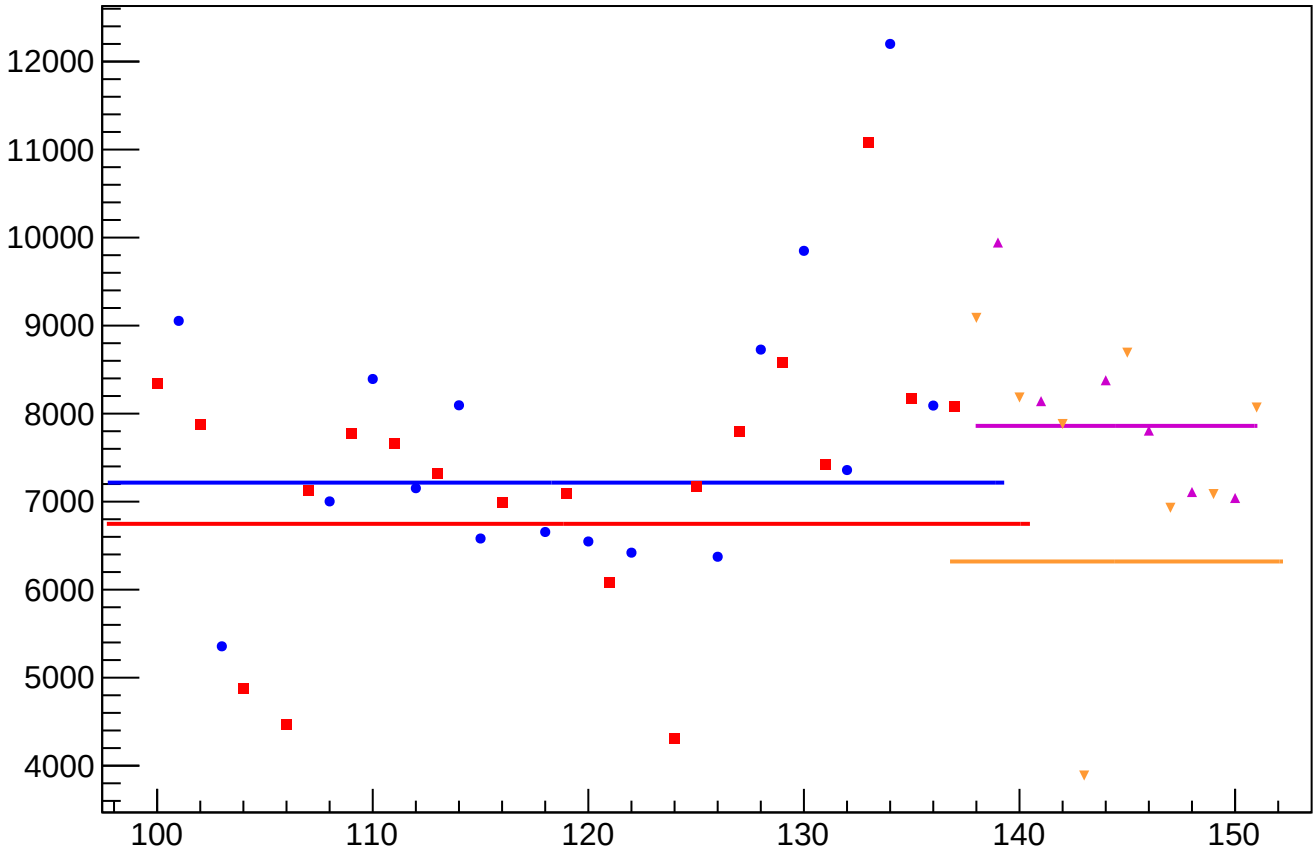
Left: 2374.538+/-2116.428 χ^2/NDF: 10.0/13

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -694.943+/-2146.716 χ^2/NDF:16.4/21

Out: 1058.971+/-1846.629 χ^2/NDF:26.6/26

All: 313.075+/-1399.940 χ^2/NDF: 43.4/48



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6320.194+/-1.893 χ^2/NDF:1126397.9/7

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 7860.797+/-2.443 χ^2/NDF:125966.3/5

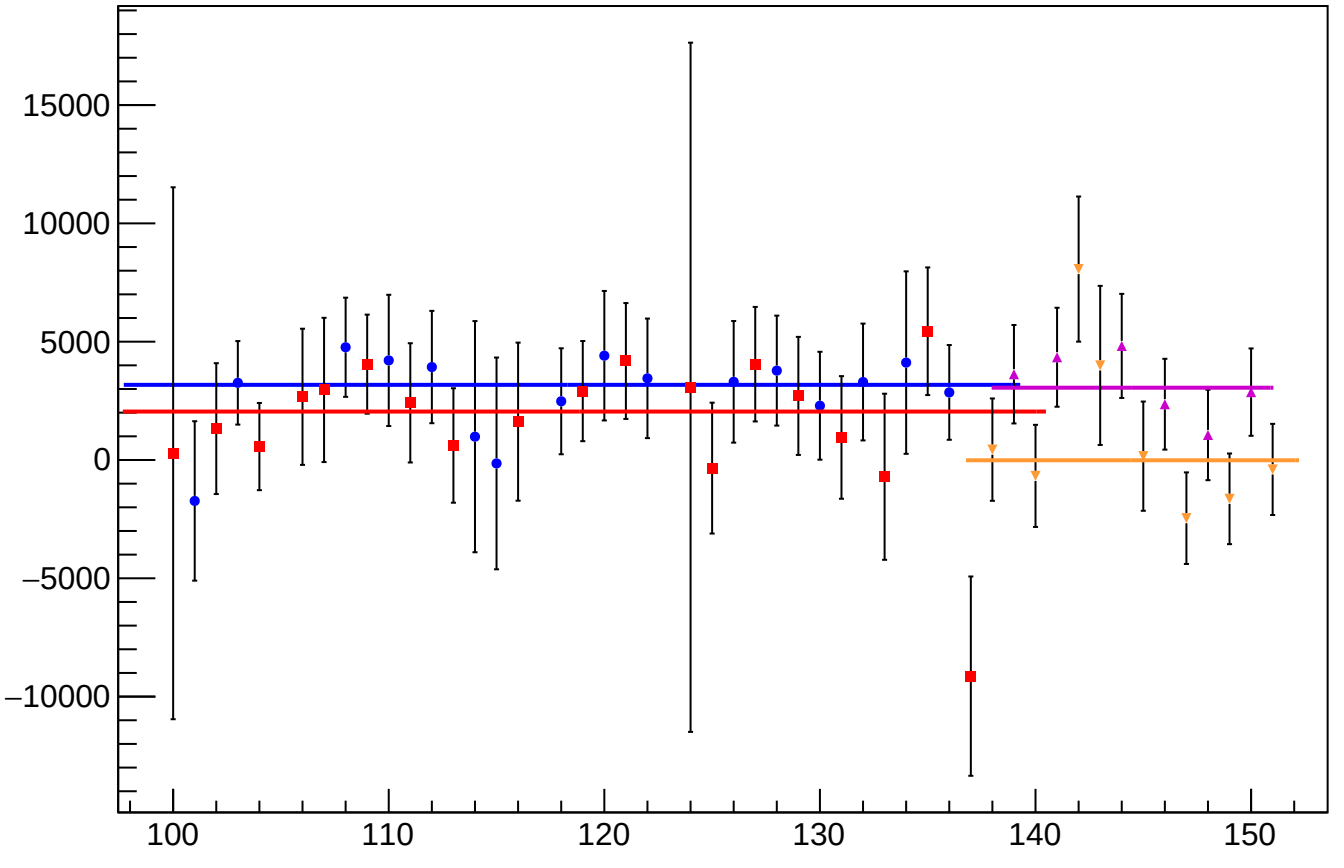
Left: 6898.429+/-1.497 χ^2/NDF: 1500831.2/13

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7465.006+/-1.518 χ^2/NDF:680859.3/21

Out: 6544.415+/-1.306 χ^2/NDF:1861929.3/26

All: 6935.920+/-0.990 χ^2/NDF: 2754173.6/48



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -12.724+/-785.646 χ^2/NDF:10.9/7

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3054.726+/-815.132 χ^2/NDF:2.3/5

Left: 1464.519+/-565.672 χ^2/NDF: 20.5/13

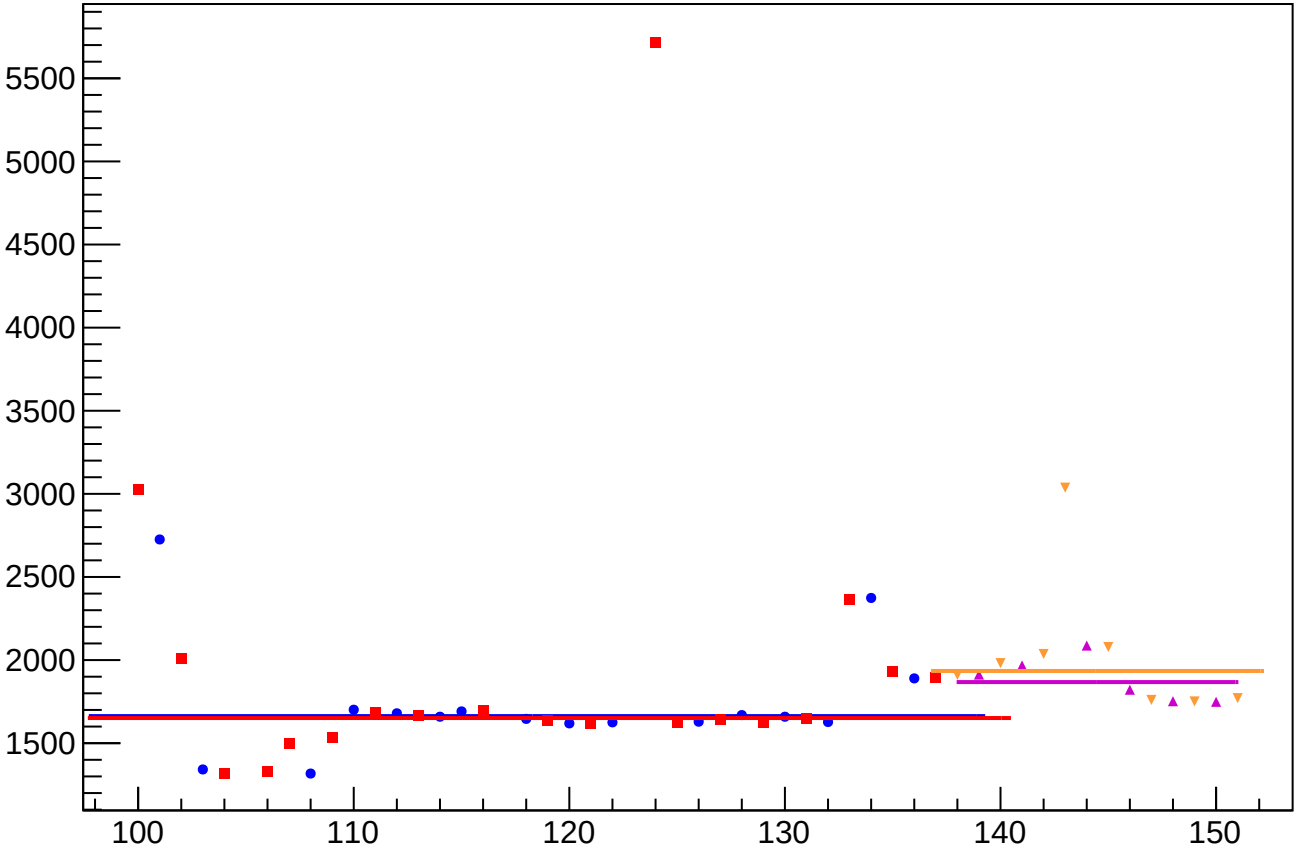
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3130.634+/-497.476 χ^2/NDF:6.7/21

Out: 1254.314+/-487.425 χ^2/NDF:29.1/26

All: 2173.329+/-348.161 χ^2/NDF: 43.1/48

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1934.433+/-0.556 χ^2/NDF:275361.4/7

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1867.605+/-0.576 χ^2/NDF:42114.4/5

Left: 1902.250+/-0.400 χ^2/NDF: 324444.8/13

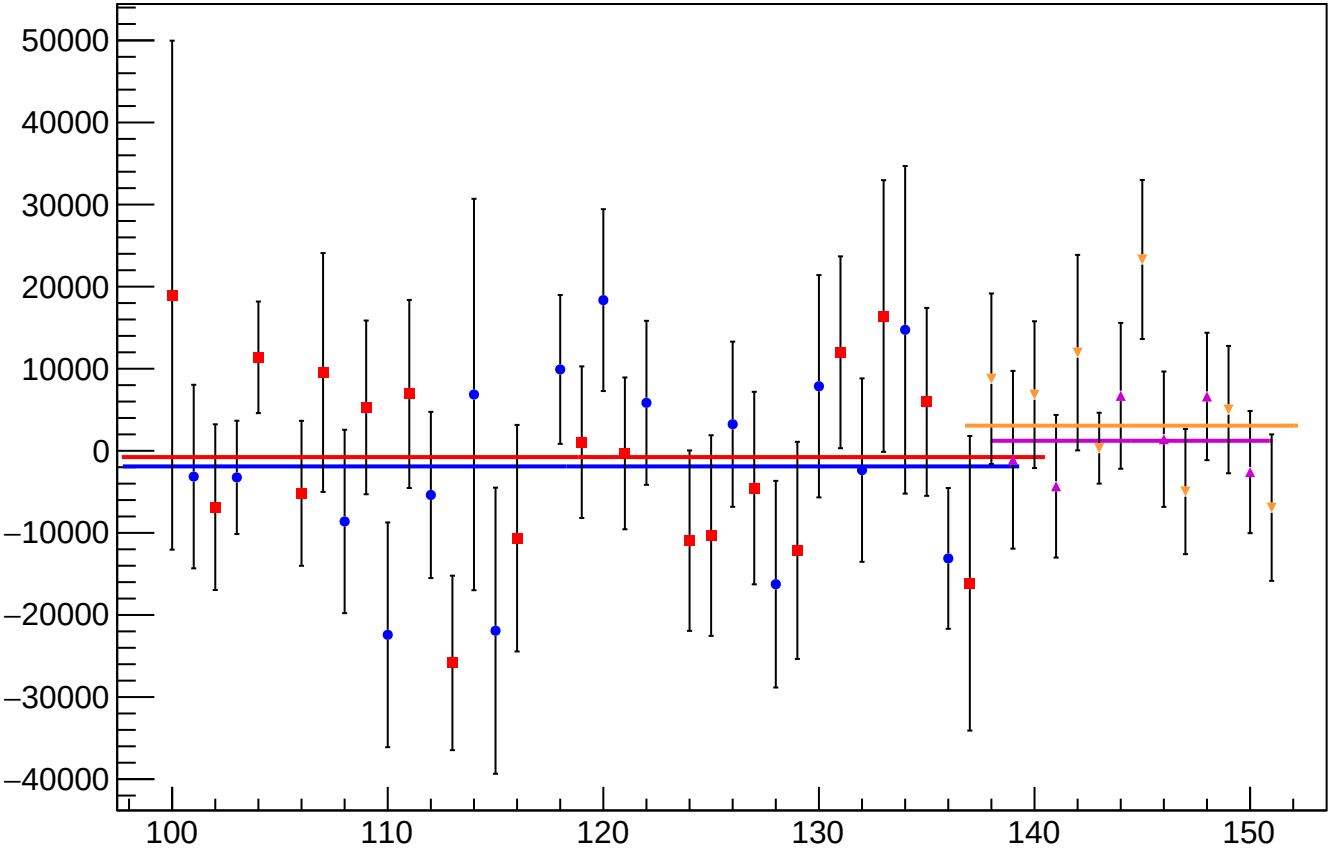
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1739.147+/-0.352 χ^2/NDF:536897.8/21

Out: 1760.295+/-0.345 χ^2/NDF:867072.2/26

All: 1749.937+/-0.246 χ^2/NDF: 1405814.0/48

asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 3067.698+/-2677.801 χ^2/NDF:8.2/7

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1220.899+/-3454.591 χ^2/NDF:1.6/5

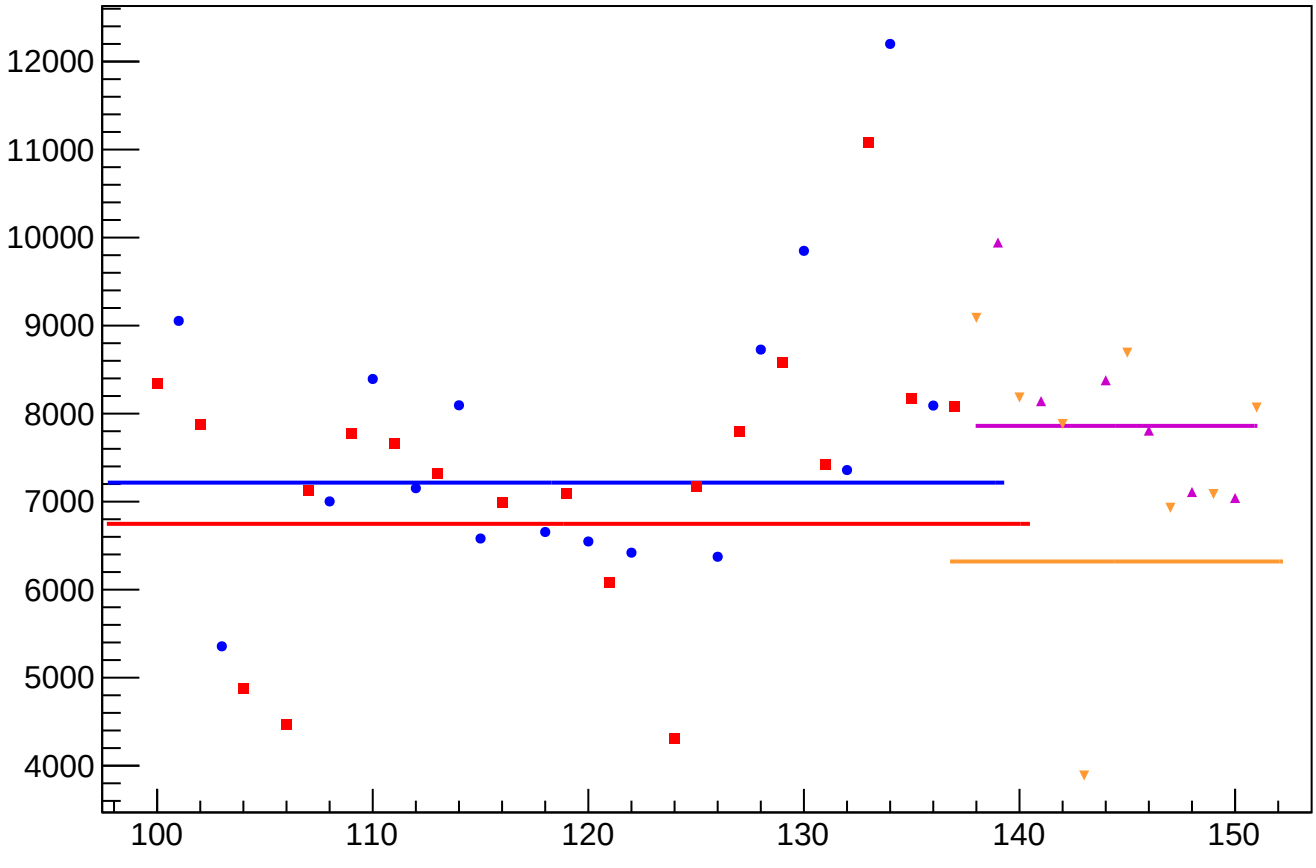
Left: 2374.538+/-2116.428 χ^2/NDF: 10.0/13

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -694.943+/-2146.716 χ^2/NDF:16.4/21

Out: 1058.971+/-1846.629 χ^2/NDF:26.6/26

All: 313.075+/-1399.940 χ^2/NDF: 43.4/48



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6320.194+/-1.893 χ^2/NDF:1126397.9/7

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 7860.797+/-2.443 χ^2/NDF:125966.3/5

Left: 6898.429+/-1.497 χ^2/NDF: 1500831.2/13

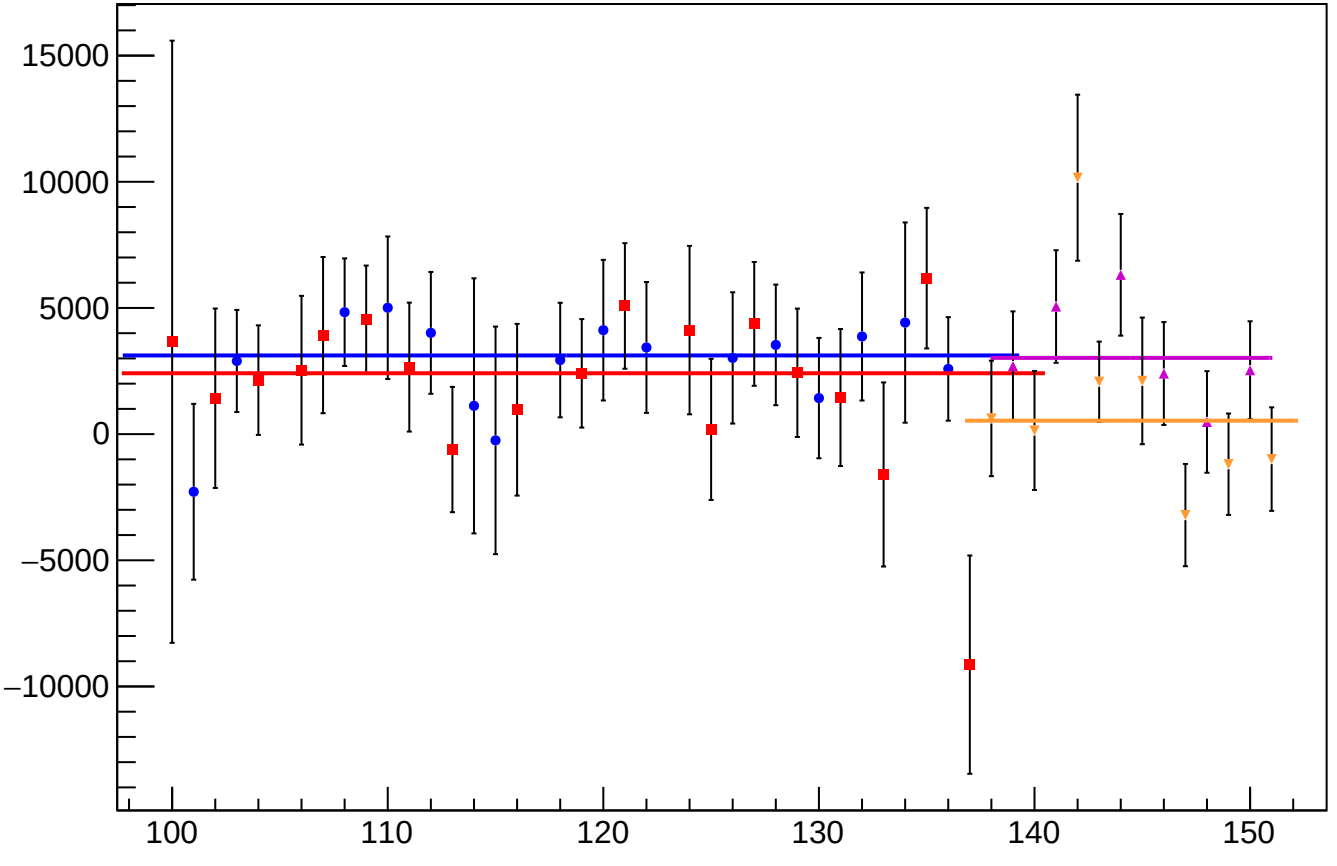
Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7465.006+/-1.518 χ^2/NDF:680859.3/21

Out: 6544.415+/-1.306 χ^2/NDF:1861929.3/26

All: 6935.920+/-0.990 χ^2/NDF: 2754173.6/48

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 532.756+/-756.488 χ^2/NDF:14.6/7

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3021.660+/-864.228 χ^2/NDF:4.5/5

Left: 1612.482+/-569.221 χ^2/NDF: 23.8/13

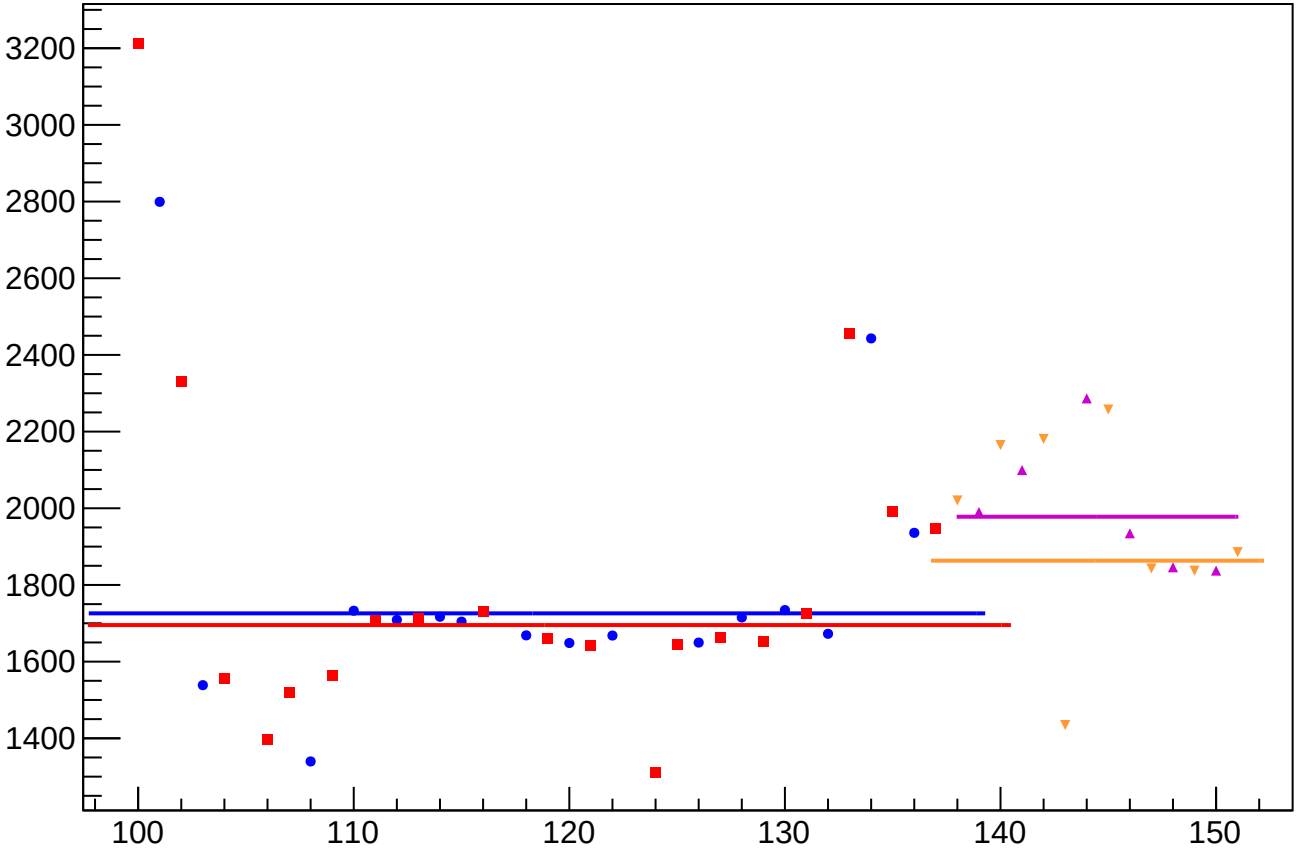
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3083.038+/-520.042 χ^2/NDF:9.8/21

Out: 1629.731+/-488.163 χ^2/NDF:34.2/26

All: 2310.478+/-355.920 χ^2/NDF: 48.2/48

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1863.309+/-0.535 χ^2/NDF:256652.9/7

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1977.927+/-0.611 χ^2/NDF:58782.0/5

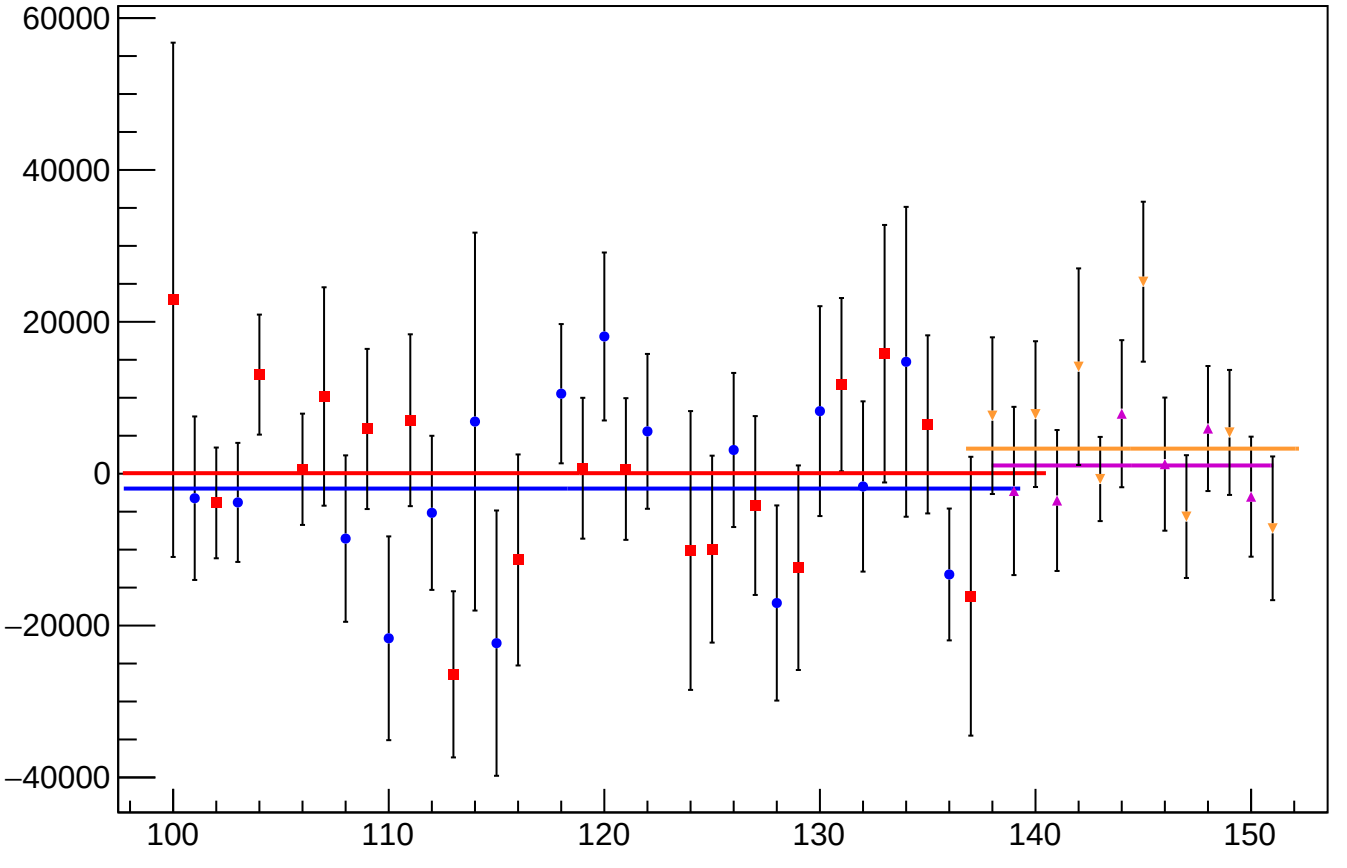
Left: 1913.032+/-0.403 χ^2/NDF: 335352.5/13

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1817.164+/-0.368 χ^2/NDF:532910.3/21

Out: 1765.282+/-0.345 χ^2/NDF:599802.7/26

All: 1789.579+/-0.252 χ^2/NDF: 1143297.1/48



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 3300.344+/-3029.086 χ^2/NDF:8.5/7

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 1083.998+/-3671.126 χ^2/NDF:1.5/5

Left: 2402.618+/-2336.429 χ^2/NDF: 10.2/13

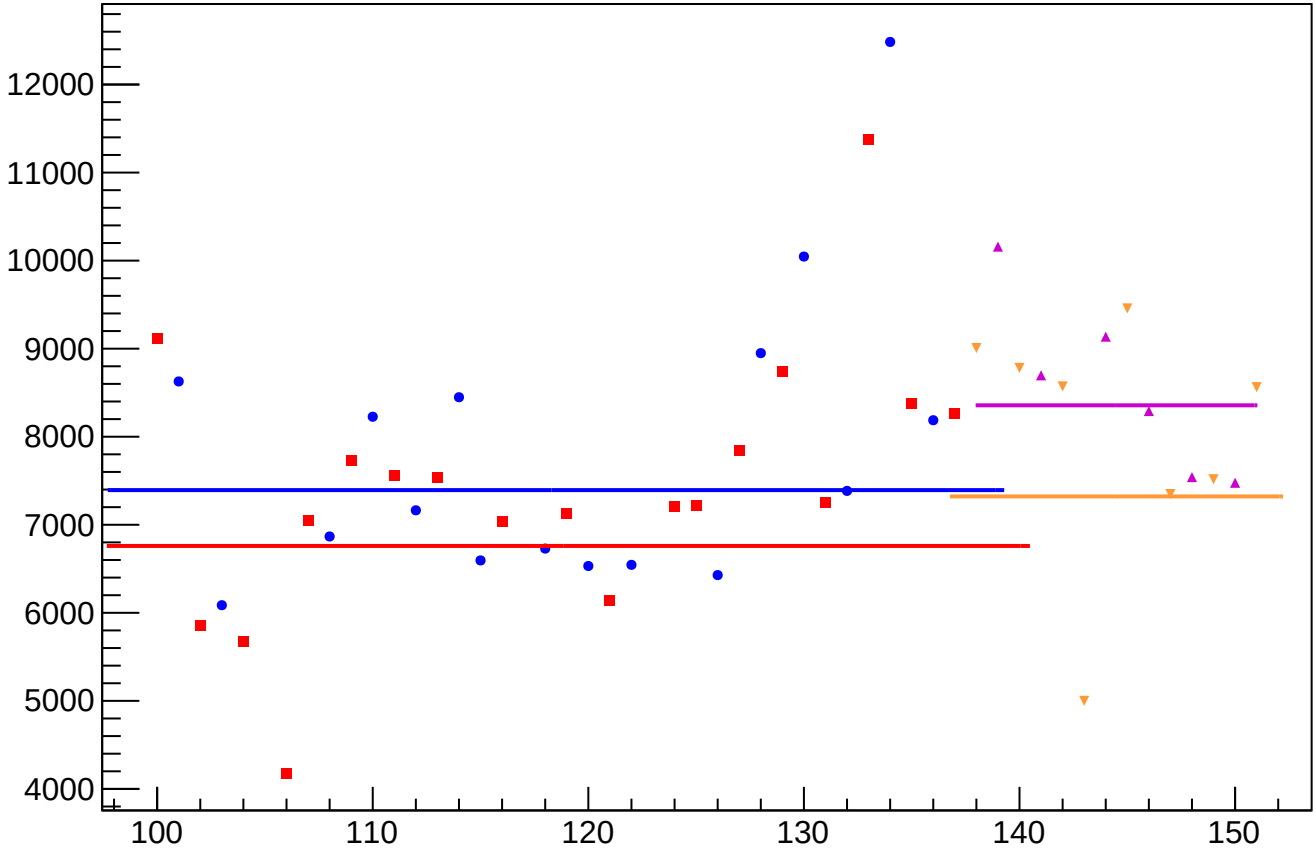
Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -840.427+/-2225.495 χ^2/NDF:16.3/21

Out: 1396.097+/-1941.568 χ^2/NDF:25.3/26

All: 429.519+/-1463.047 χ^2/NDF: 42.1/48

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7321.772+/-2.142 χ^2/NDF:586734.3/7

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8356.743+/-2.596 χ^2/NDF:113113.4/5

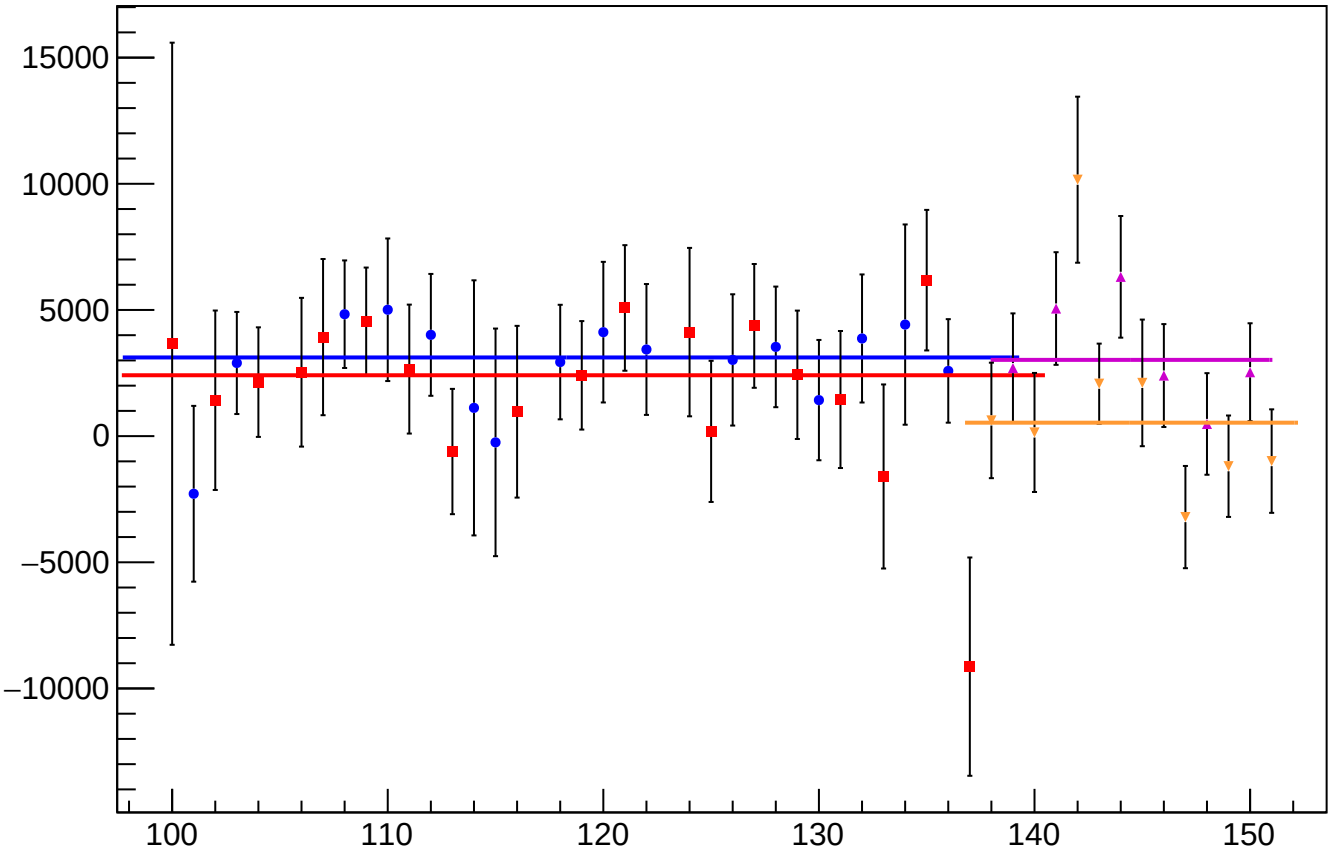
Left: 7740.985+/-1.652 χ^2/NDF: 794421.2/13

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7747.567+/-1.574 χ^2/NDF:602007.4/21

Out: 6990.466+/-1.373 χ^2/NDF:1271635.7/26

All: 7317.669+/-1.035 χ^2/NDF: 2005073.5/48



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 532.755+/-756.489 χ^2/NDF:14.6/7

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3021.656+/-864.229 χ^2/NDF:4.5/5

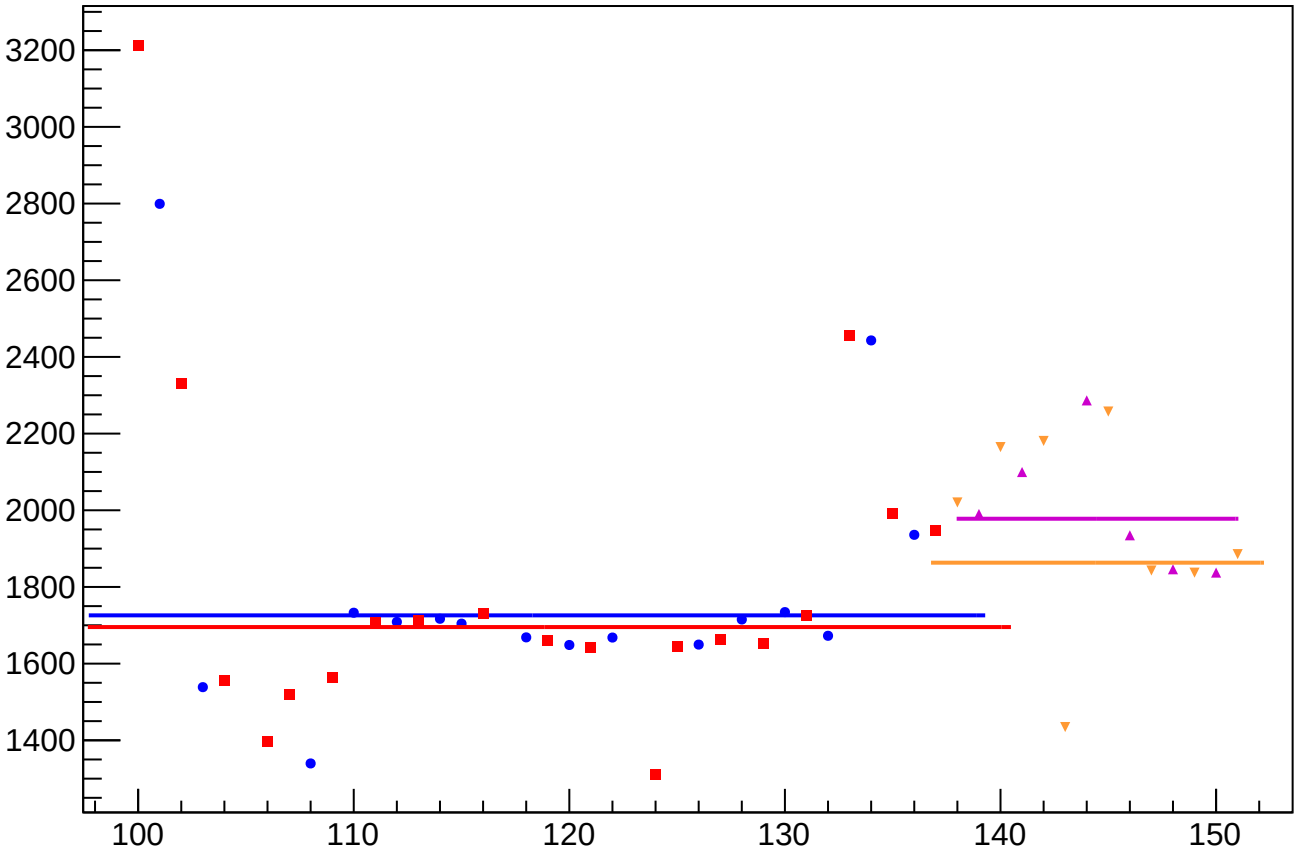
Left: 1612.480+/-569.222 χ^2/NDF: 23.8/13

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3083.039+/-520.042 χ^2/NDF:9.8/21

Out: 1629.737+/-488.164 χ^2/NDF:34.2/26

All: 2310.481+/-355.920 χ^2/NDF: 48.2/48



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1863.311+/-0.535 χ^2/NDF:256653.3/7

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1977.930+/-0.611 χ^2/NDF:58782.3/5

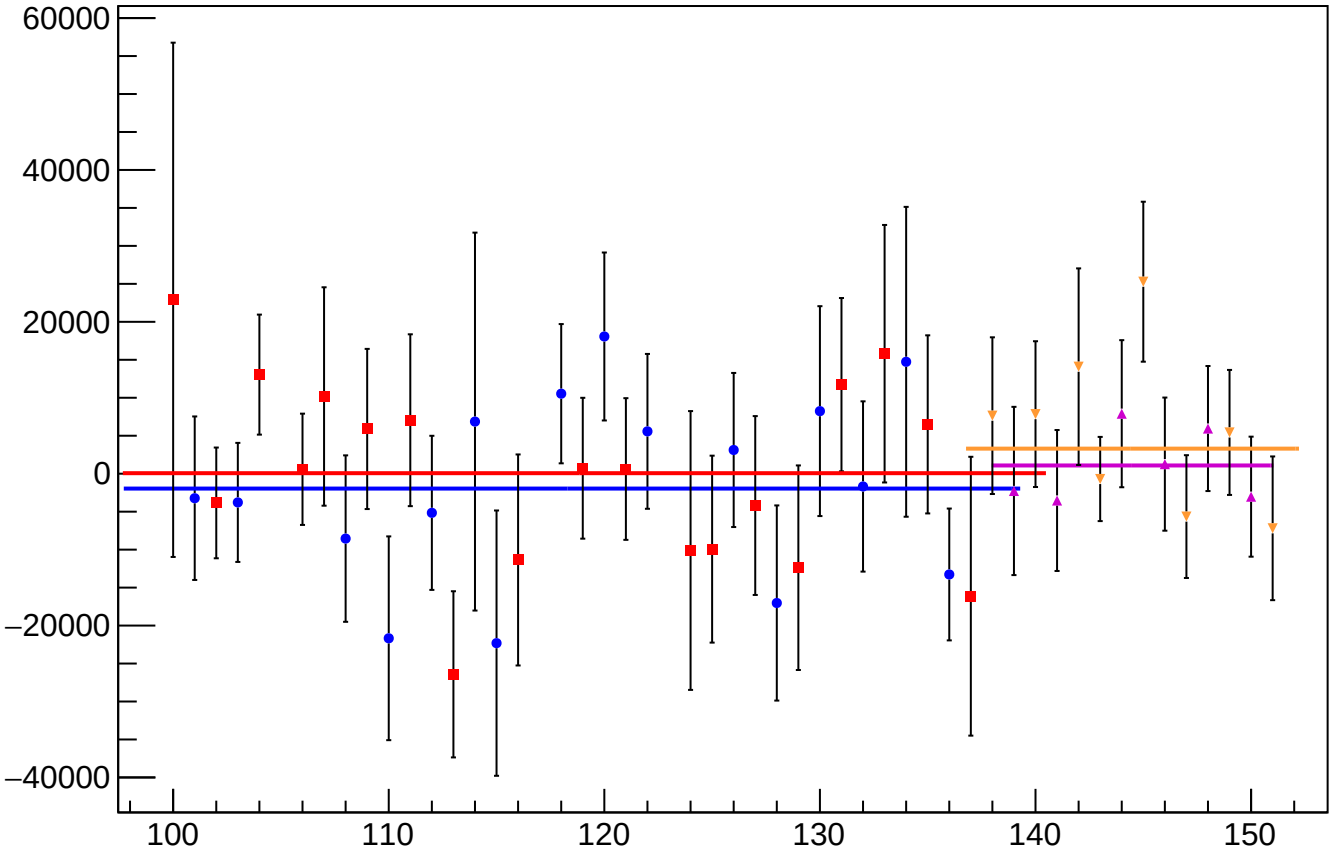
Left: 1913.034+/-0.403 χ^2/NDF: 335353.4/13

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1817.165+/-0.368 χ^2/NDF:532913.3/21

Out: 1765.283+/-0.345 χ^2/NDF:599805.0/26

All: 1789.579+/-0.252 χ^2/NDF: 1143302.4/48



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 3300.340+/-3029.090 χ^2/NDF:8.5/7

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 1083.994+/-3671.131 χ^2/NDF:1.5/5

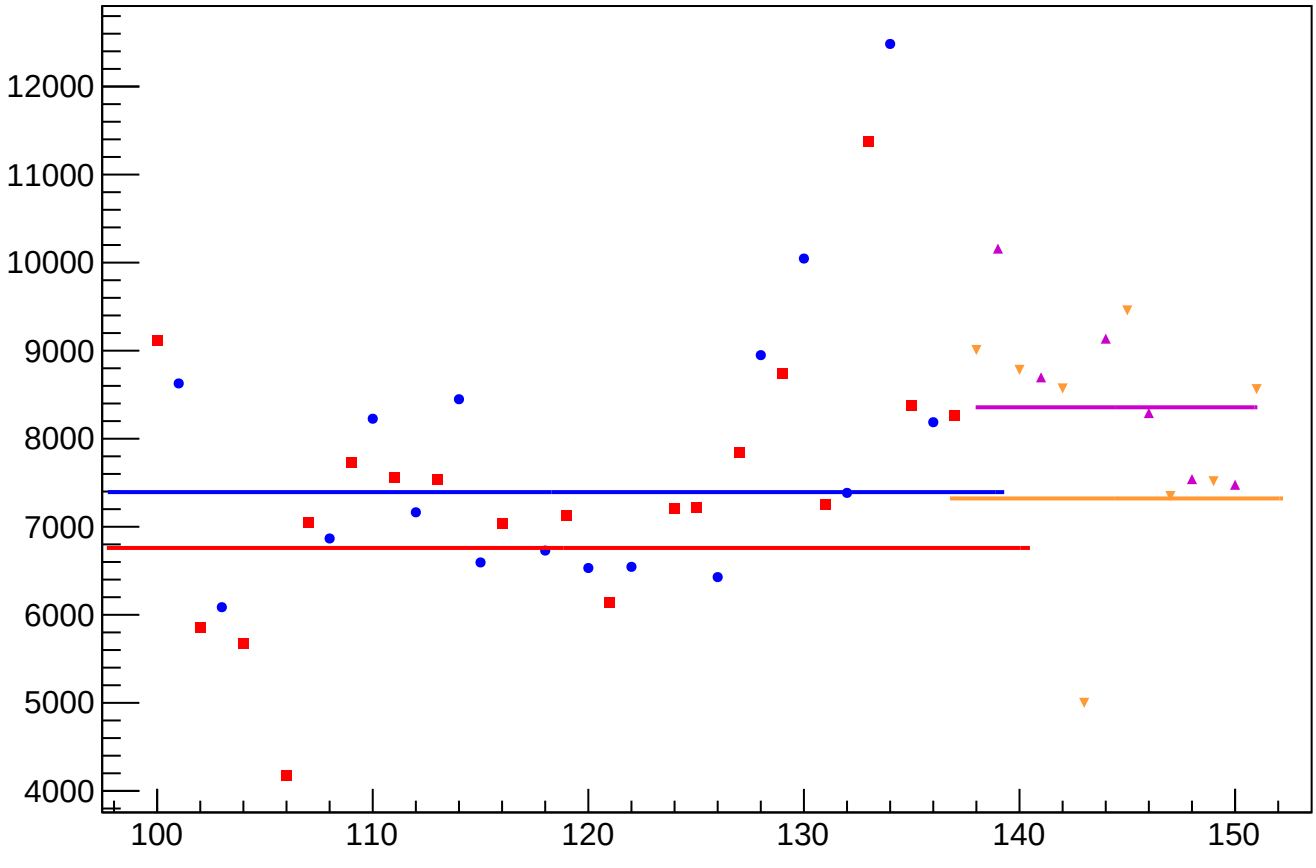
Left: 2402.613+/-2336.432 χ^2/NDF: 10.2/13

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -840.420+/-2225.493 χ^2/NDF:16.3/21

Out: 1396.094+/-1941.567 χ^2/NDF:25.3/26

All: 429.520+/-1463.046 χ^2/NDF: 42.1/48



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7321.783+/-2.142 χ^2/NDF:586734.1/7

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 8356.754+/-2.596 χ^2/NDF:113114.5/5

Left: 7740.996+/-1.652 χ^2/NDF: 794421.9/13

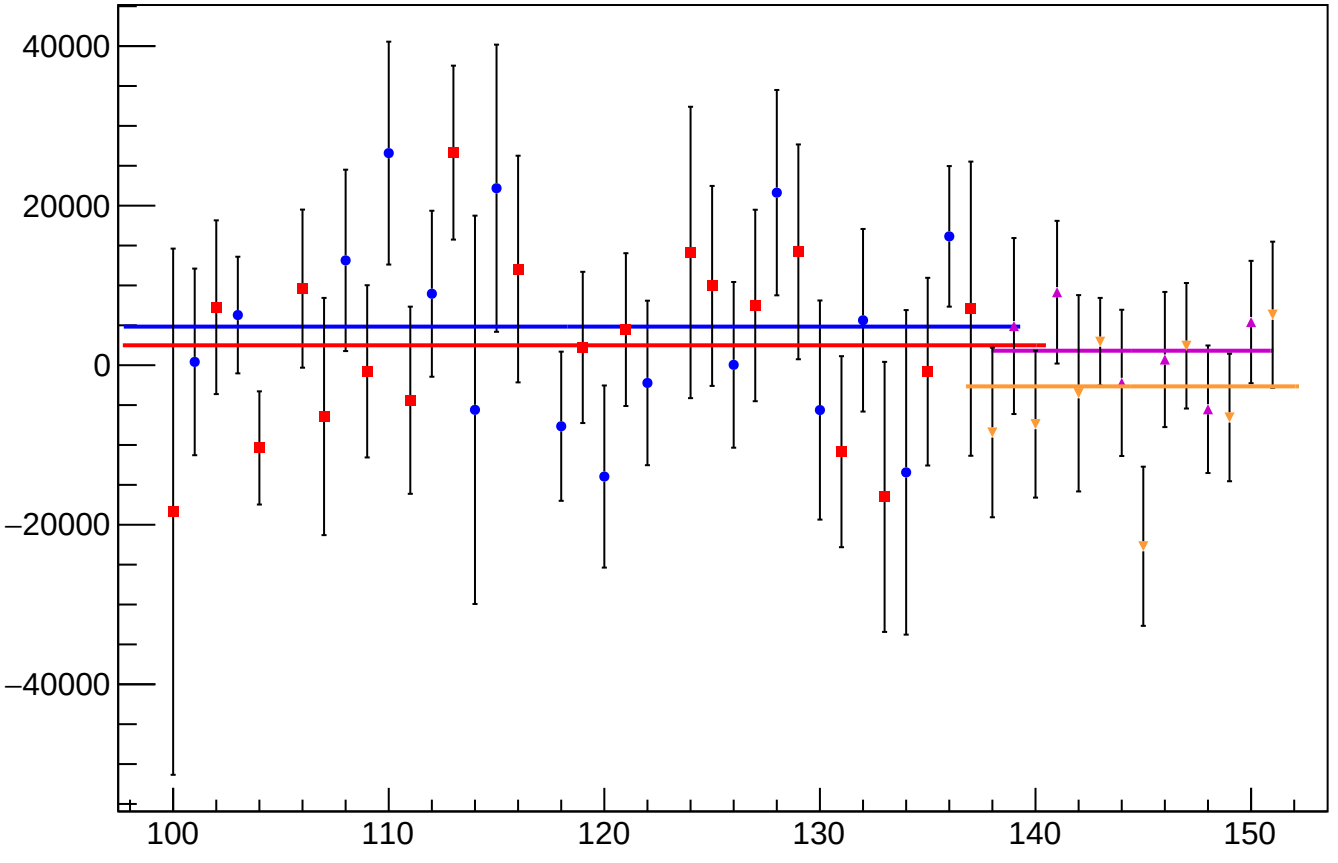
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7747.558+/-1.574 χ^2/NDF:602015.9/21

Out: 6990.461+/-1.373 χ^2/NDF:1271638.0/26

All: 7317.663+/-1.035 χ^2/NDF: 2005083.1/48

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -2653.682+/-2959.079 χ^2/NDF:7.3/7

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 1816.235+/-3553.520 χ^2/NDF:2.0/5

Left: -823.347+/-2273.916 χ^2/NDF: 10.2/13

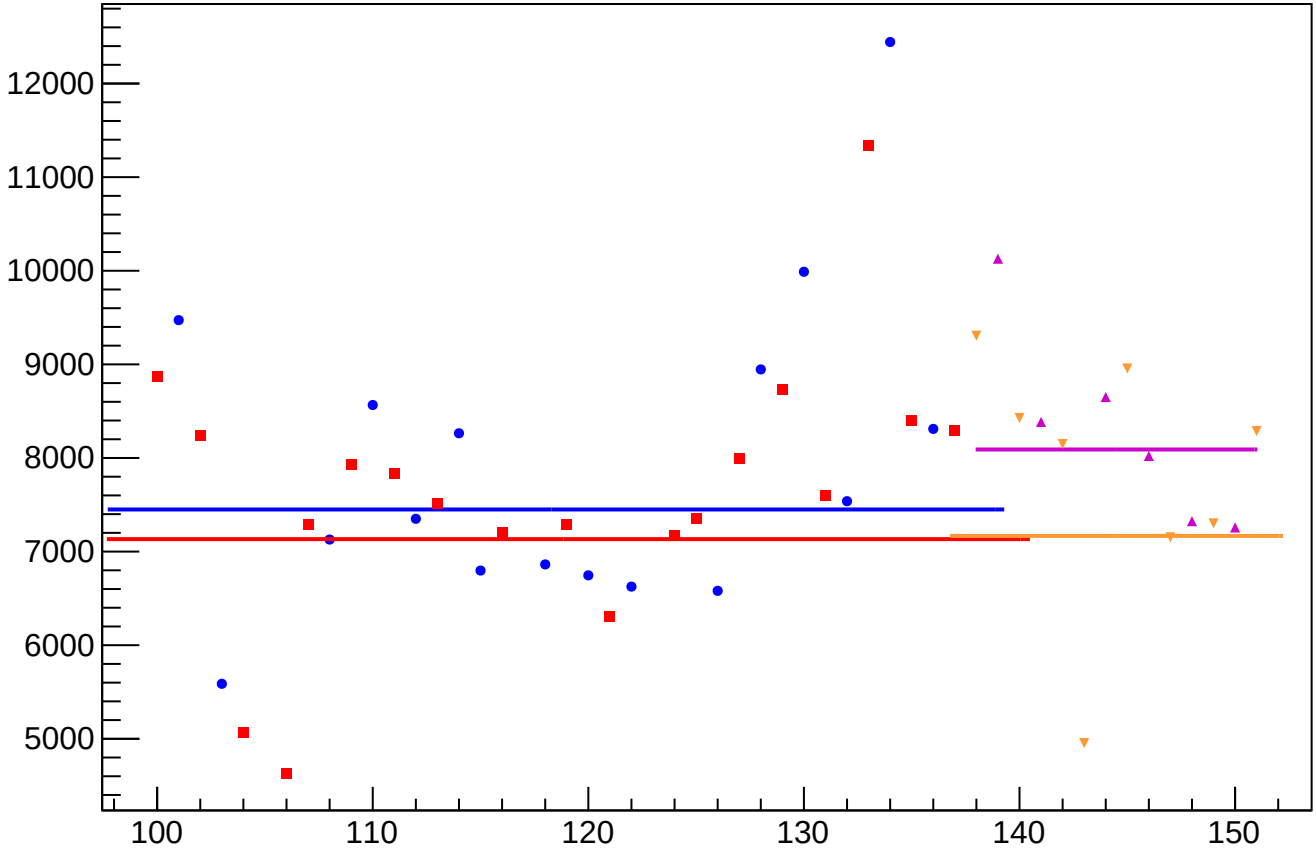
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3665.705+/-2213.230 χ^2/NDF:16.8/21

Out: 160.568+/-1992.700 χ^2/NDF:23.8/26

All: 1729.856+/-1480.898 χ^2/NDF: 42.0/48

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7167.746+/-2.092 χ^2/NDF:550926.2/7

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8090.727+/-2.513 χ^2/NDF:119980.7/5

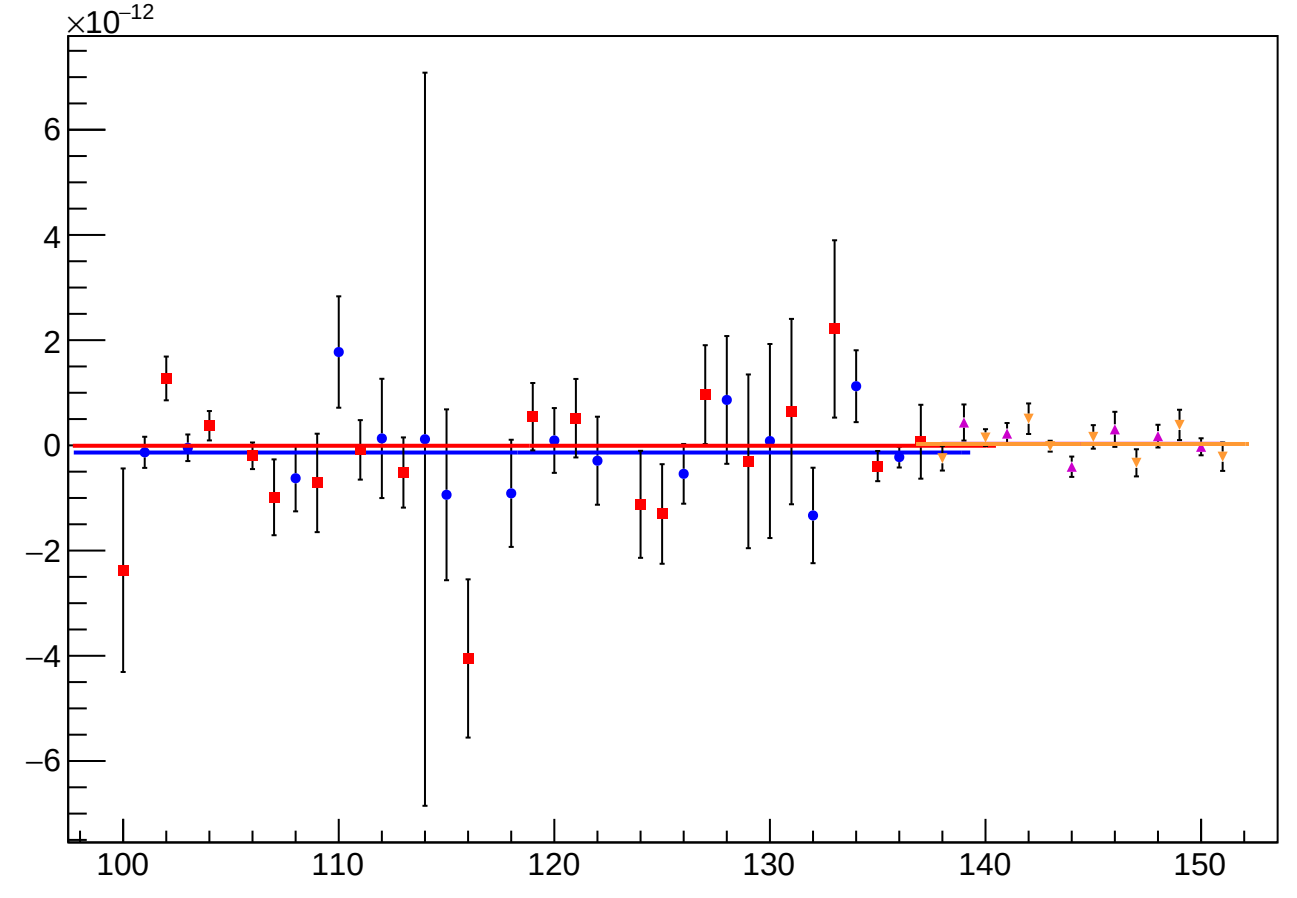
Left: 7545.687+/-1.608 χ^2/NDF: 750584.0/13

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7698.535+/-1.565 χ^2/NDF:646209.4/21

Out: 7148.818+/-1.409 χ^2/NDF:1108068.9/26

All: 7394.924+/-1.047 χ^2/NDF: 1822424.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/5

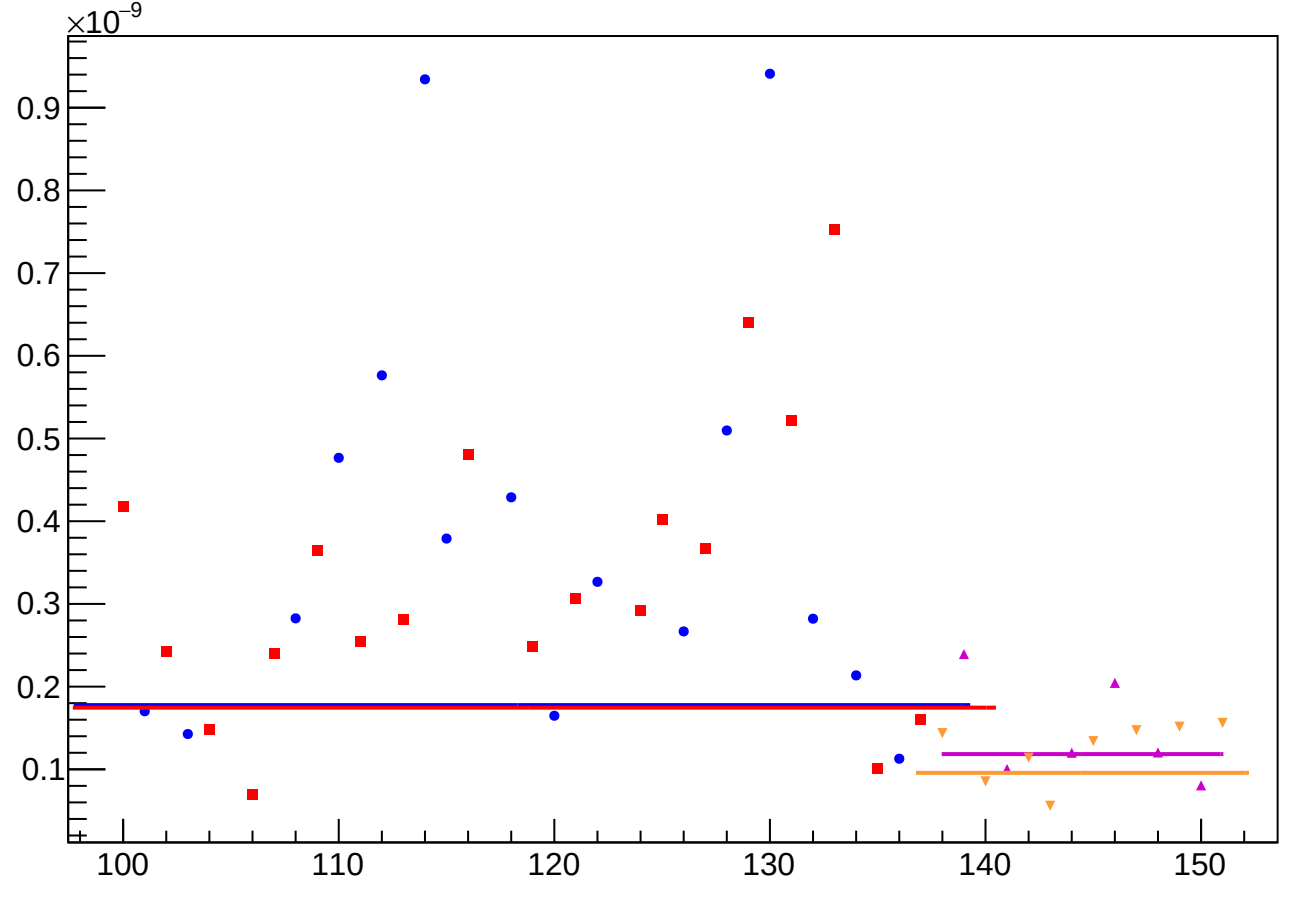
Left: 0.000+/-0.000 χ^2/NDF: 18.2/13

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:21.5/21

Out: 0.000+/-0.000 χ^2/NDF:42.3/26

All: -0.000+/-0.000 χ^2/NDF: 64.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710143.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:507718.0/5

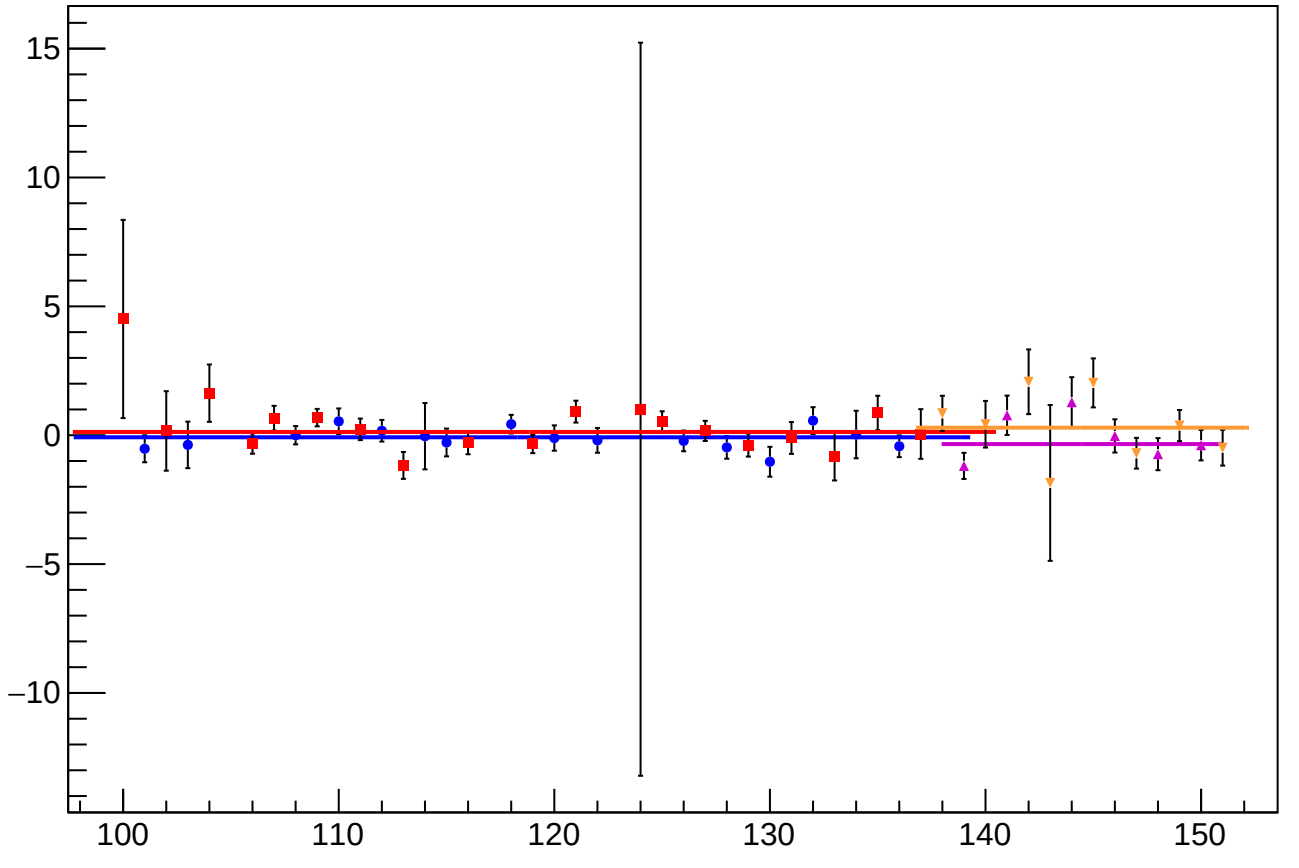
Left: 0.000+/-0.000 χ^2/NDF: 1301835.4/13

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2354814.9/21

Out: 0.000+/-0.000 χ^2/NDF:2985627.8/26

All: 0.000+/-0.000 χ^2/NDF: 5493538.9/48



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.344+/-0.262 χ^2/NDF:8.4/5

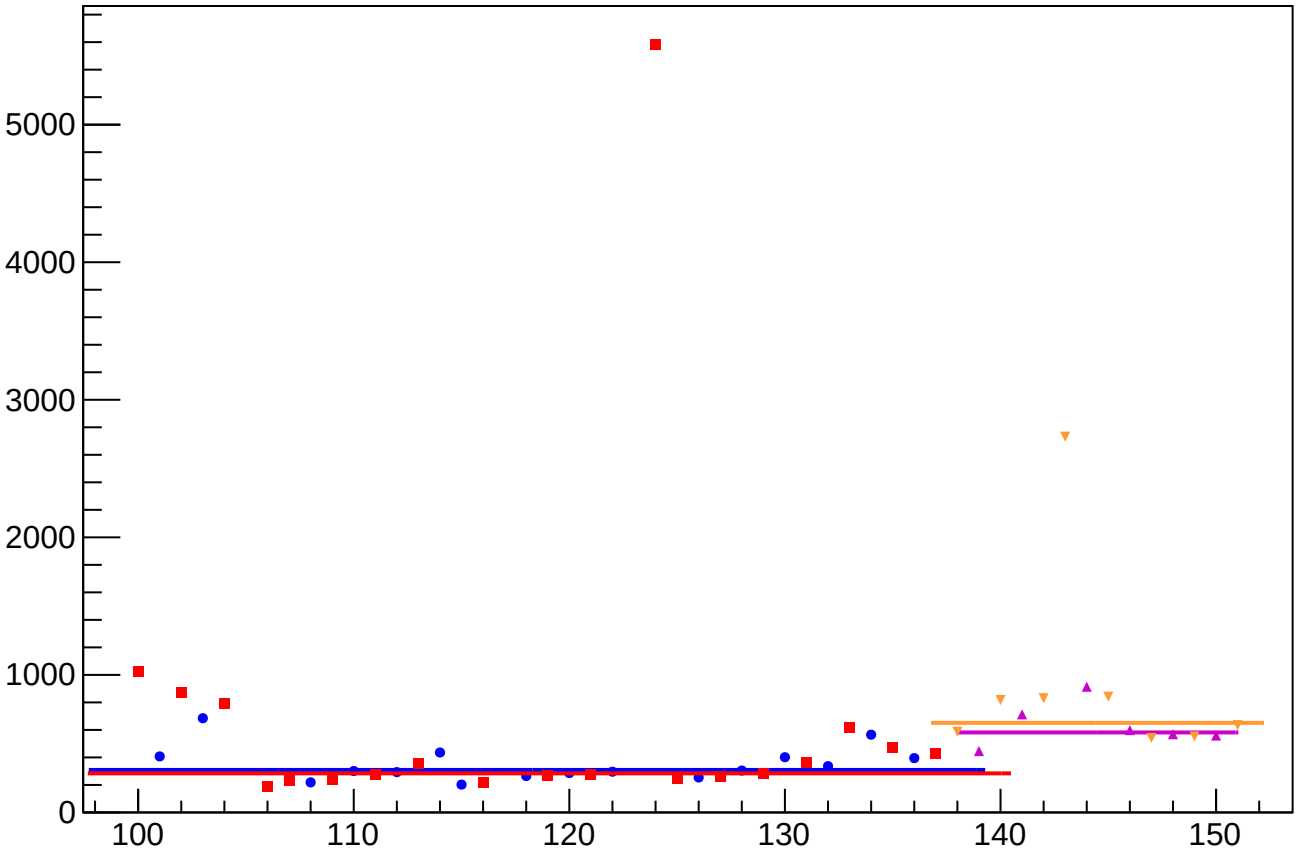
Left: -0.045+/-0.191 χ^2/NDF: 21.7/13

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.127+/-0.111 χ^2/NDF:20.0/21

Out: 0.152+/-0.108 χ^2/NDF:36.2/26

All: 0.016+/-0.077 χ^2/NDF: 59.4/48



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 651.381+/-0.197 χ^2/NDF:1275544.6/7

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 581.680+/-0.186 χ^2/NDF:443266.1/5

Left: 614.412+/-0.135 χ^2/NDF: 1785047.1/13

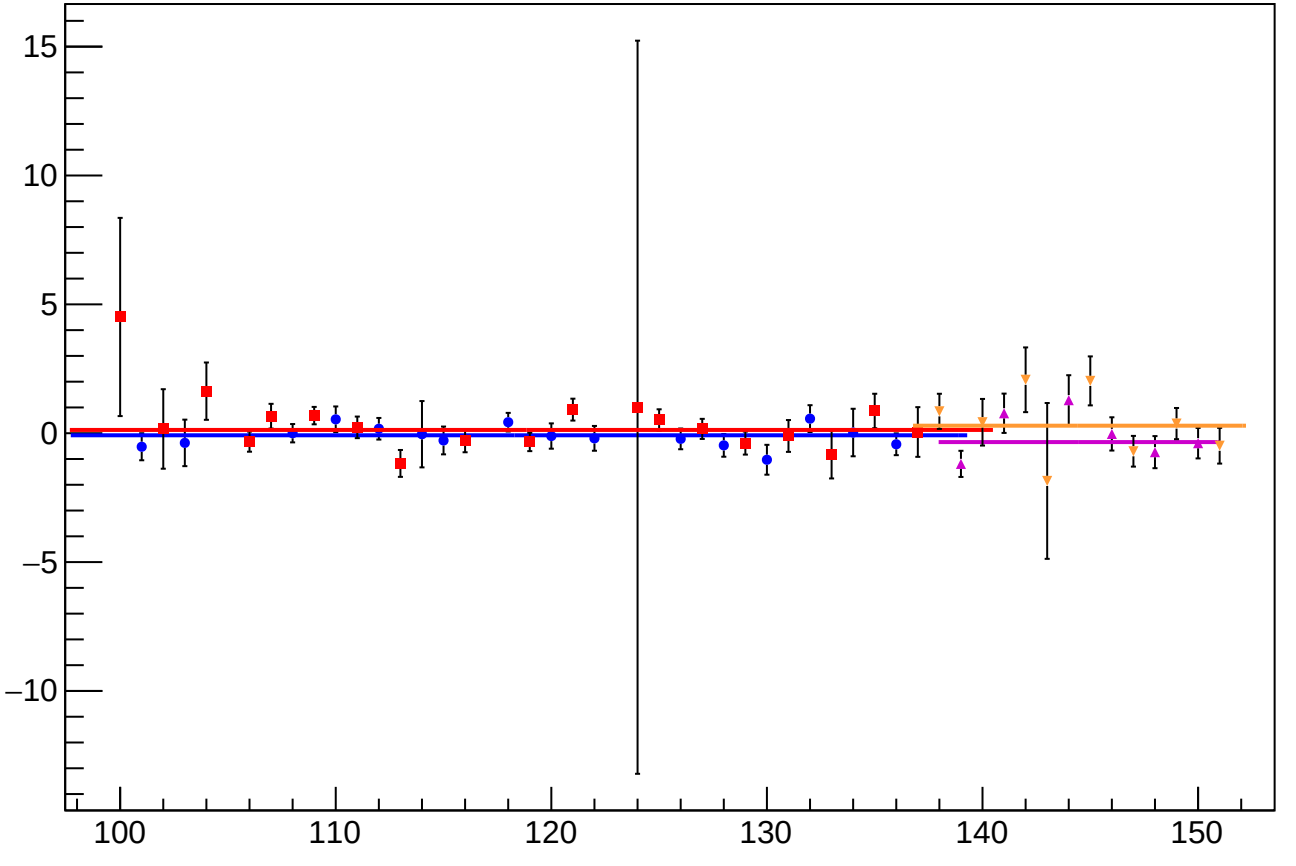
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 357.437+/-0.078 χ^2/NDF:3232519.5/21

Out: 339.054+/-0.076 χ^2/NDF:6079903.1/26

All: 348.018+/-0.055 χ^2/NDF: 9340770.1/48

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: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.344+/-0.262 χ^2/NDF:8.4/5

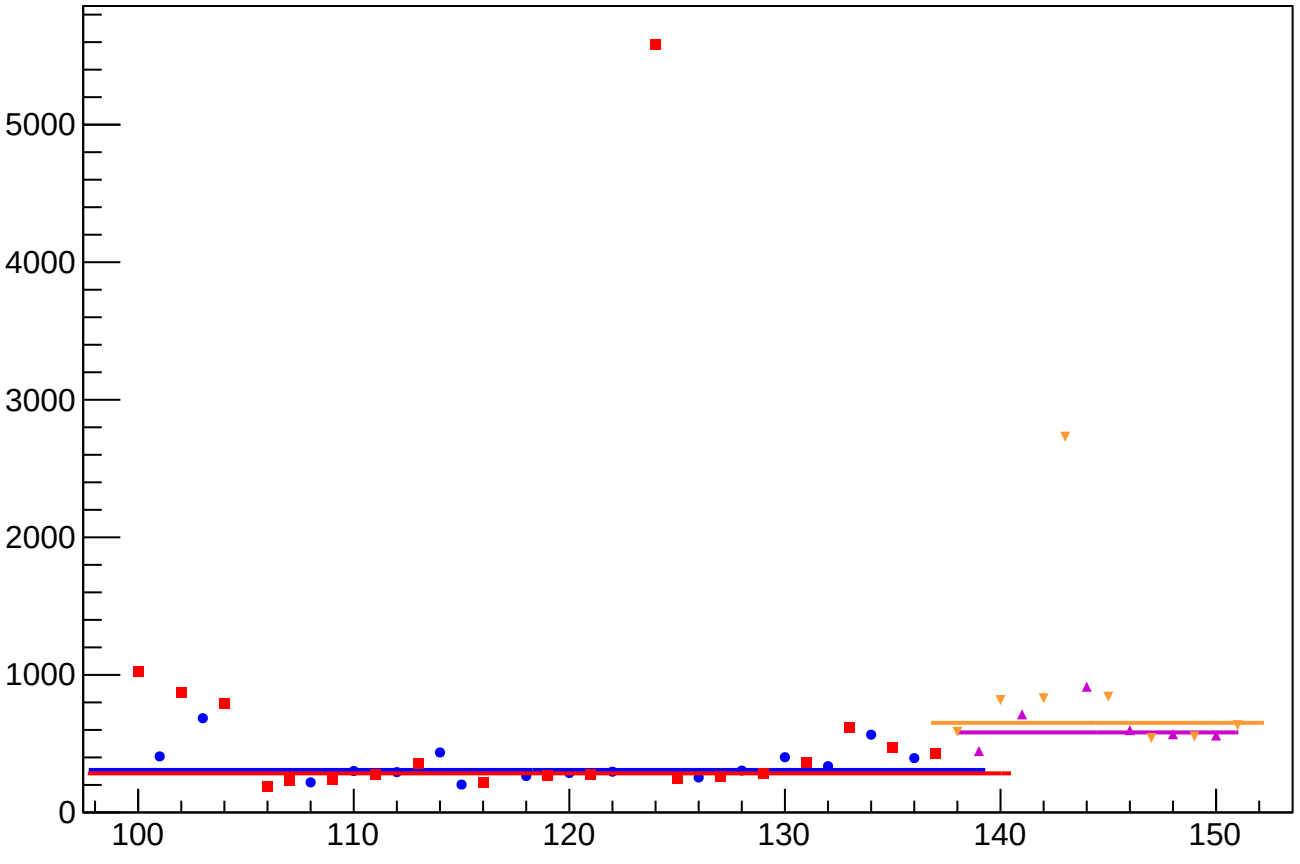
Left: -0.045+/-0.191 χ^2/NDF: 21.7/13

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.127+/-0.111 χ^2/NDF:20.0/21

Out: 0.152+/-0.108 χ^2/NDF:36.2/26

All: 0.016+/-0.077 χ^2/NDF: 59.4/48



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 651.381+/-0.197 χ^2/NDF:1275544.6/7

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 581.680+/-0.186 χ^2/NDF:443266.1/5

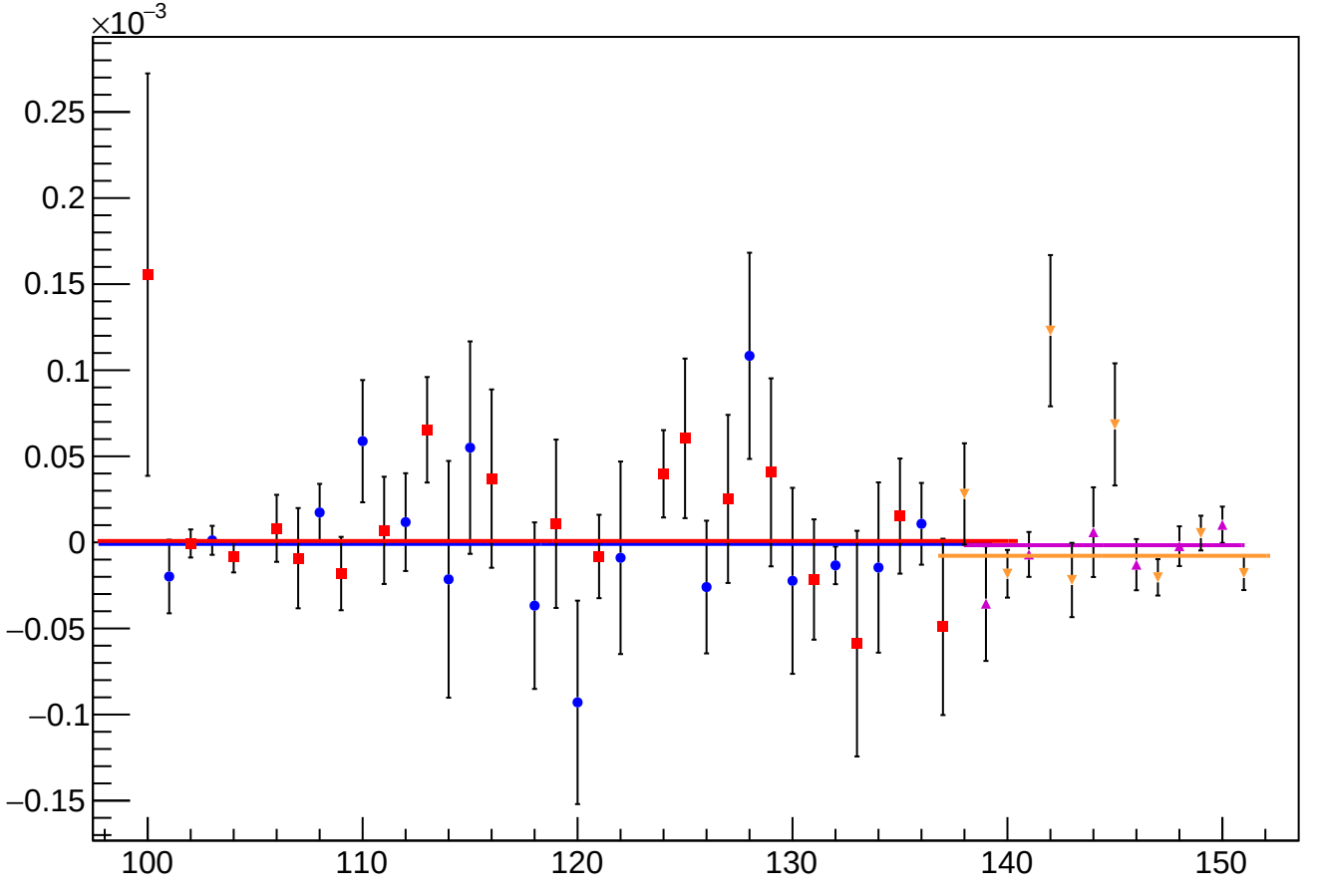
Left: 614.412+/-0.135 χ^2/NDF: 1785047.1/13

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 357.437+/-0.078 χ^2/NDF:3232519.5/21

Out: 339.054+/-0.076 χ^2/NDF:6079903.1/26

All: 348.018+/-0.055 χ^2/NDF: 9340770.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/5

Left: -0.000+/-0.000 χ^2/NDF: 23.9/13

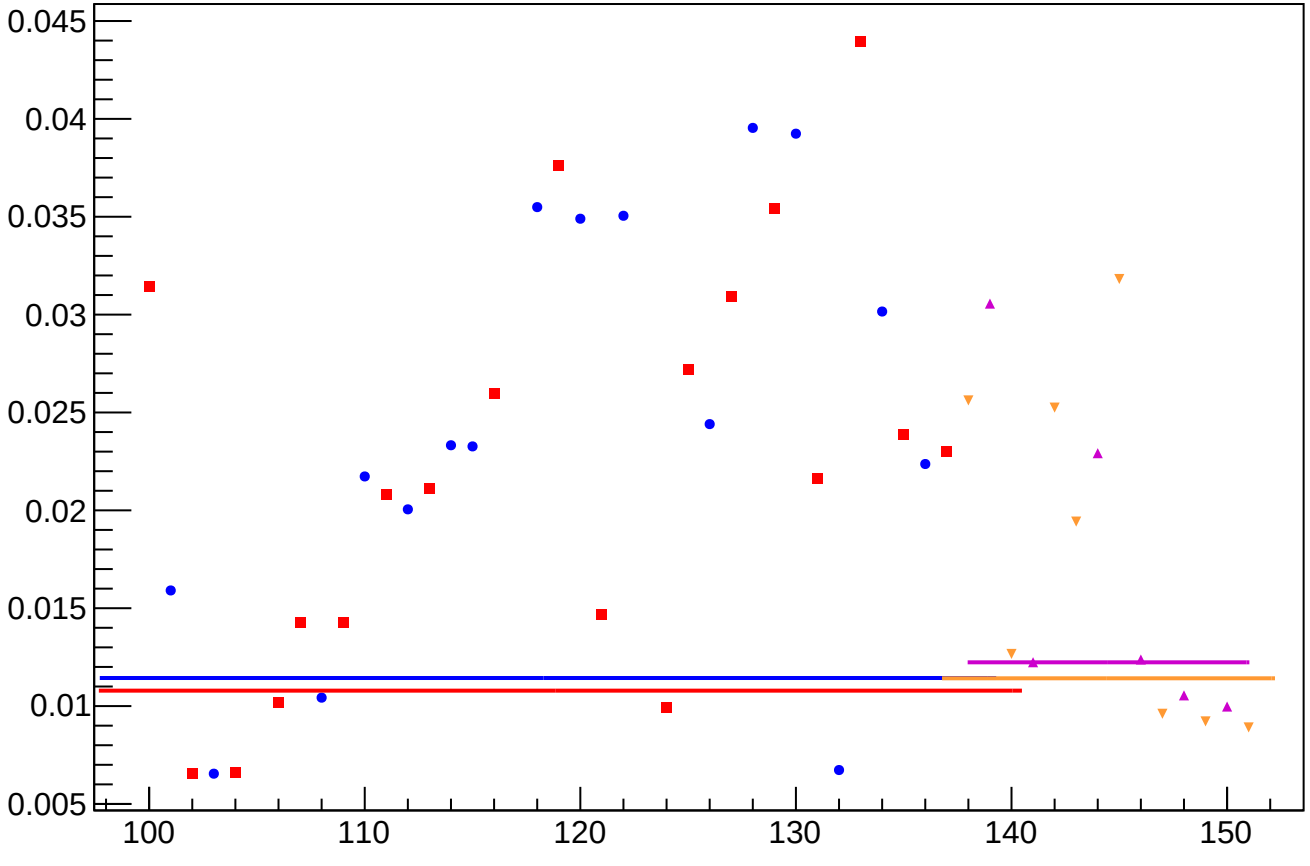
Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:17.7/21

Out: -0.000+/-0.000 χ^2/NDF:37.8/26

All: -0.000+/-0.000 χ^2/NDF: 55.6/48

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:1900532.6/7

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:1078514.8/5

Left: 0.012+/-0.000 χ^2/NDF: 3001316.7/13

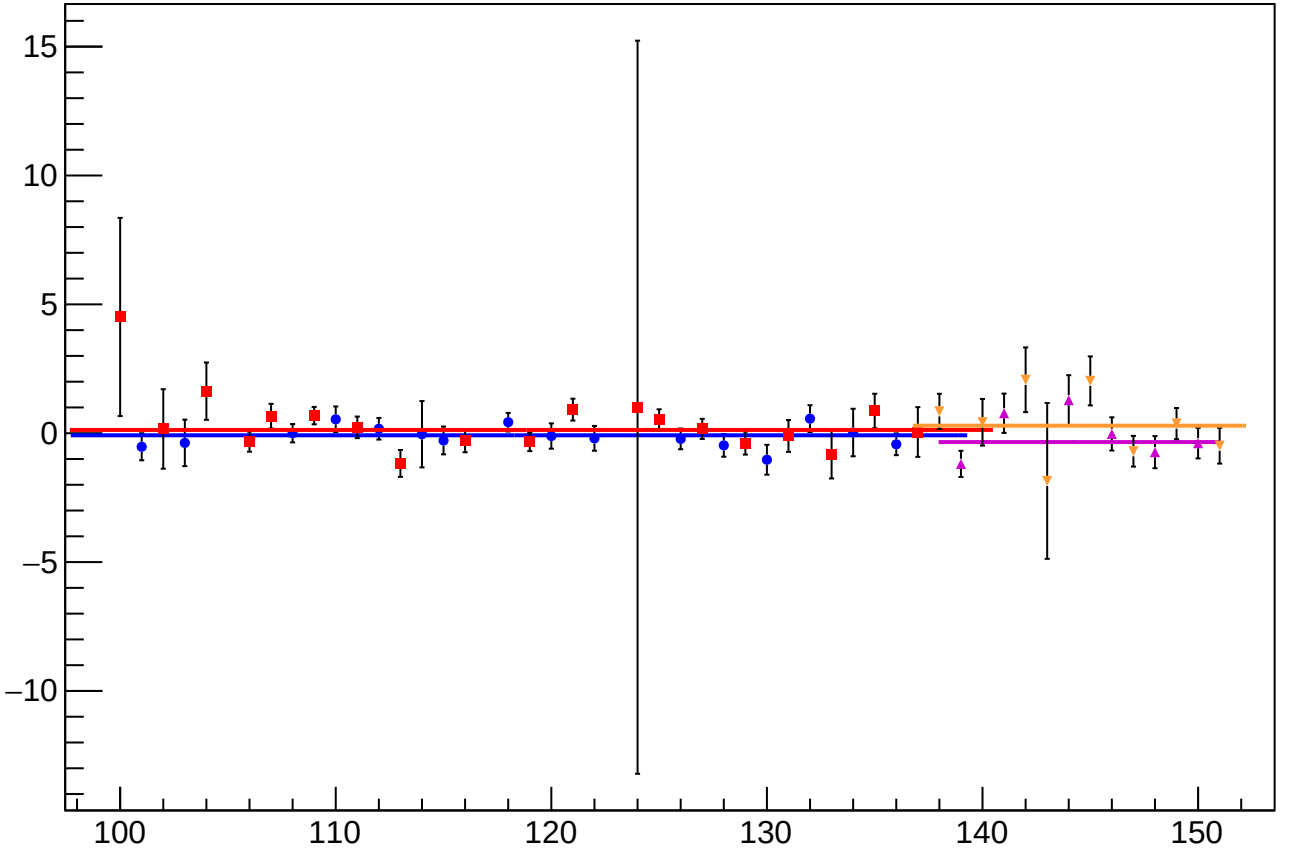
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:5799013.3/21

Out: 0.011+/-0.000 χ^2/NDF:6390369.0/26

All: 0.011+/-0.000 χ^2/NDF: 12225539.6/48

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: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.344+/-0.262 χ^2/NDF:8.4/5

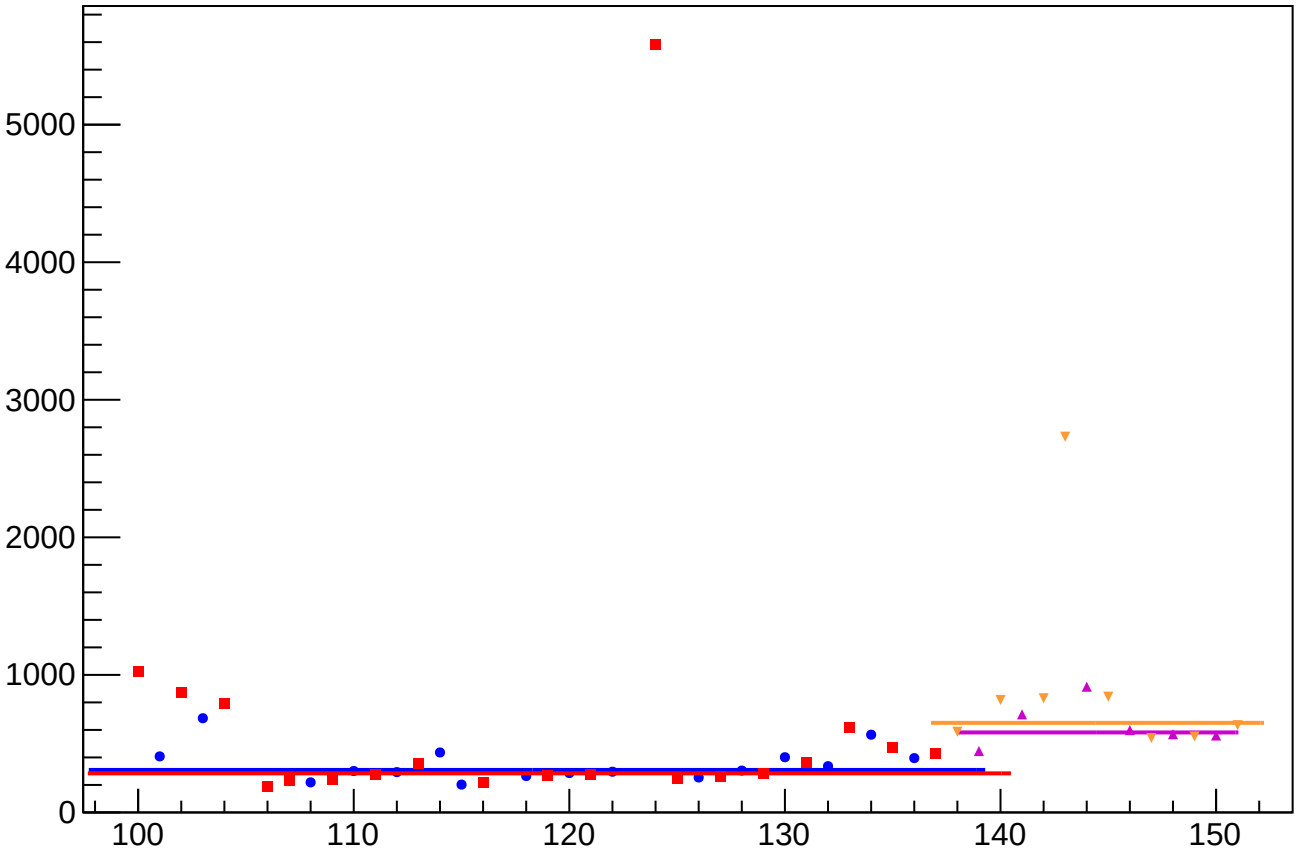
Left: -0.045+/-0.191 χ^2/NDF: 21.7/13

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.127+/-0.111 χ^2/NDF:20.0/21

Out: 0.152+/-0.108 χ^2/NDF:36.2/26

All: 0.016+/-0.077 χ^2/NDF: 59.4/48



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 651.388+/-0.197 χ^2/NDF:1275544.0/7

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 581.689+/-0.186 χ^2/NDF:443250.5/5

Left: 614.420+/-0.135 χ^2/NDF: 1785025.5/13

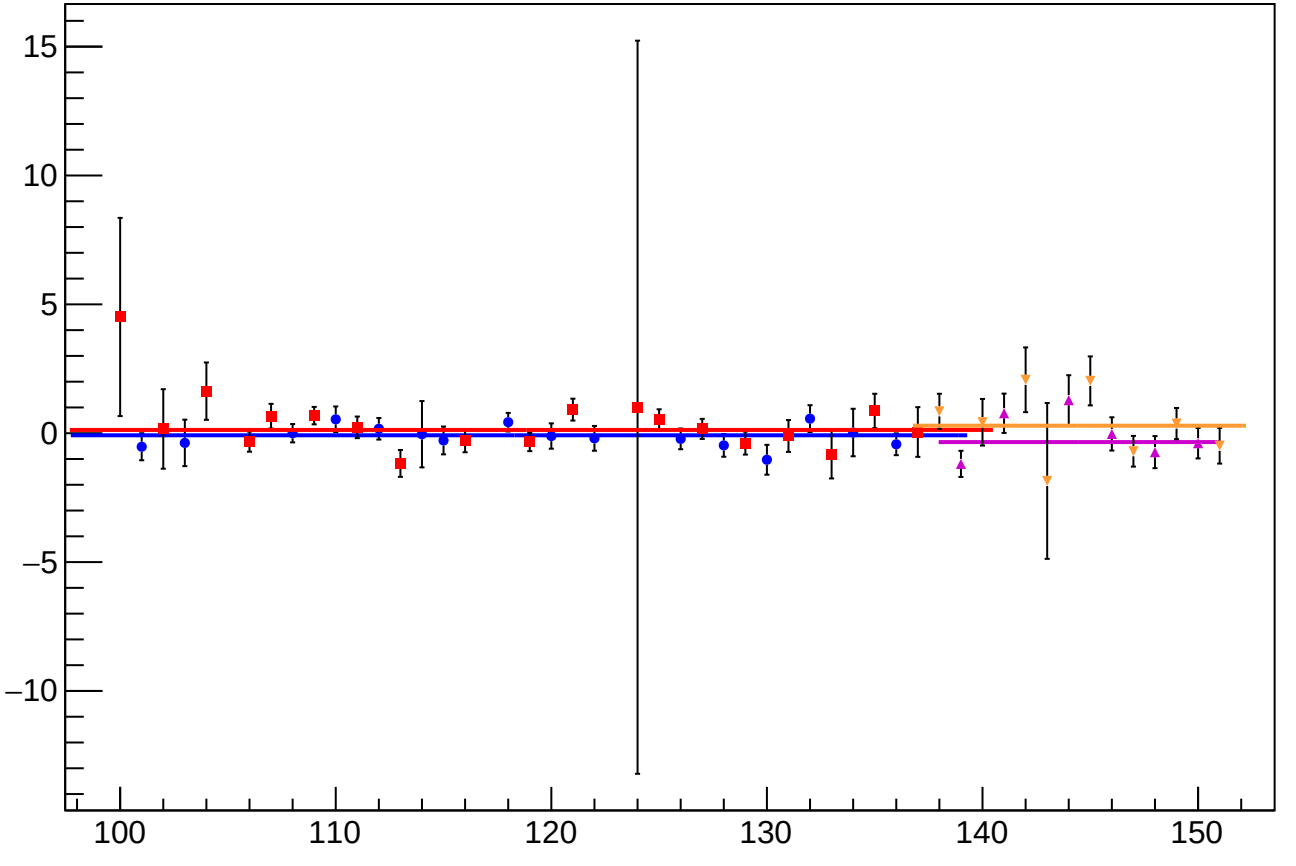
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 357.437+/-0.078 χ^2/NDF:3232553.9/21

Out: 339.053+/-0.076 χ^2/NDF:6079953.6/26

All: 348.017+/-0.055 χ^2/NDF: 9340855.8/48

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: 0.292+/-0.279 χ^2/NDF:10.6/7

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.344+/-0.262 χ^2/NDF:8.4/5

Left: -0.045+/-0.191 χ^2/NDF: 21.7/13

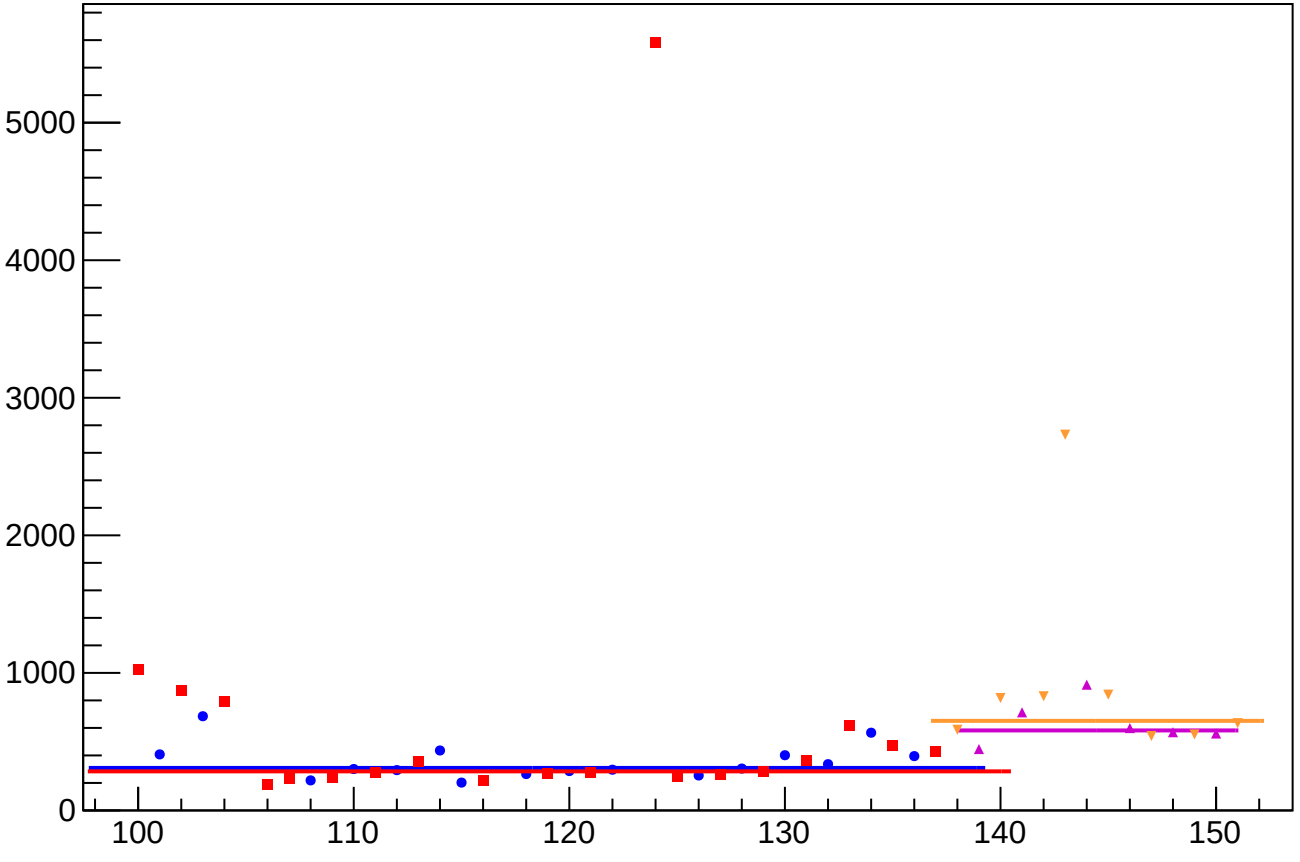
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.127+/-0.111 χ^2/NDF:20.0/21

Out: 0.152+/-0.108 χ^2/NDF:36.2/26

All: 0.016+/-0.077 χ^2/NDF: 59.4/48

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 651.388+/-0.197 χ^2/NDF:1275544.0/7

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 581.689+/-0.186 χ^2/NDF:443250.5/5

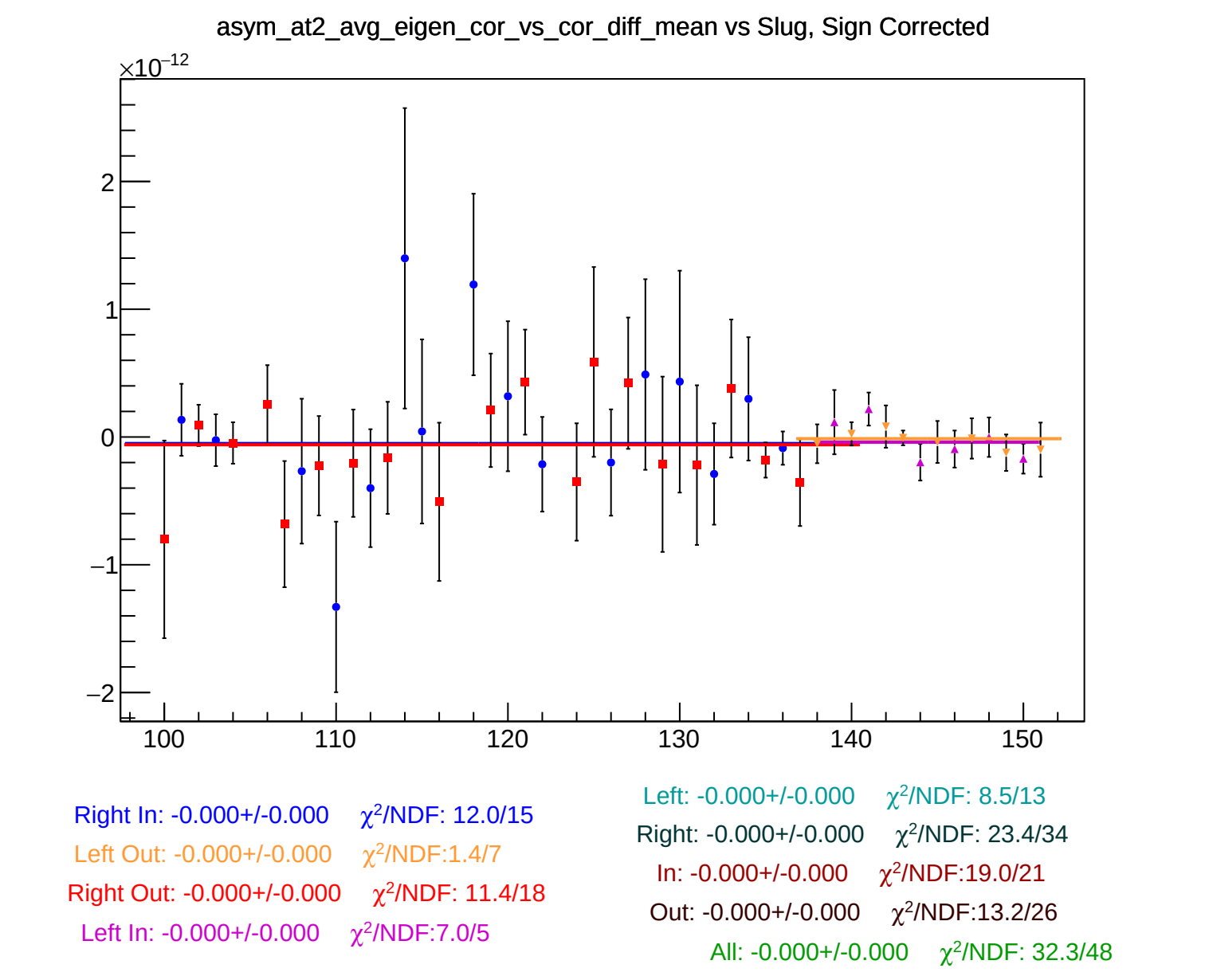
Left: 614.420+/-0.135 χ^2/NDF: 1785025.5/13

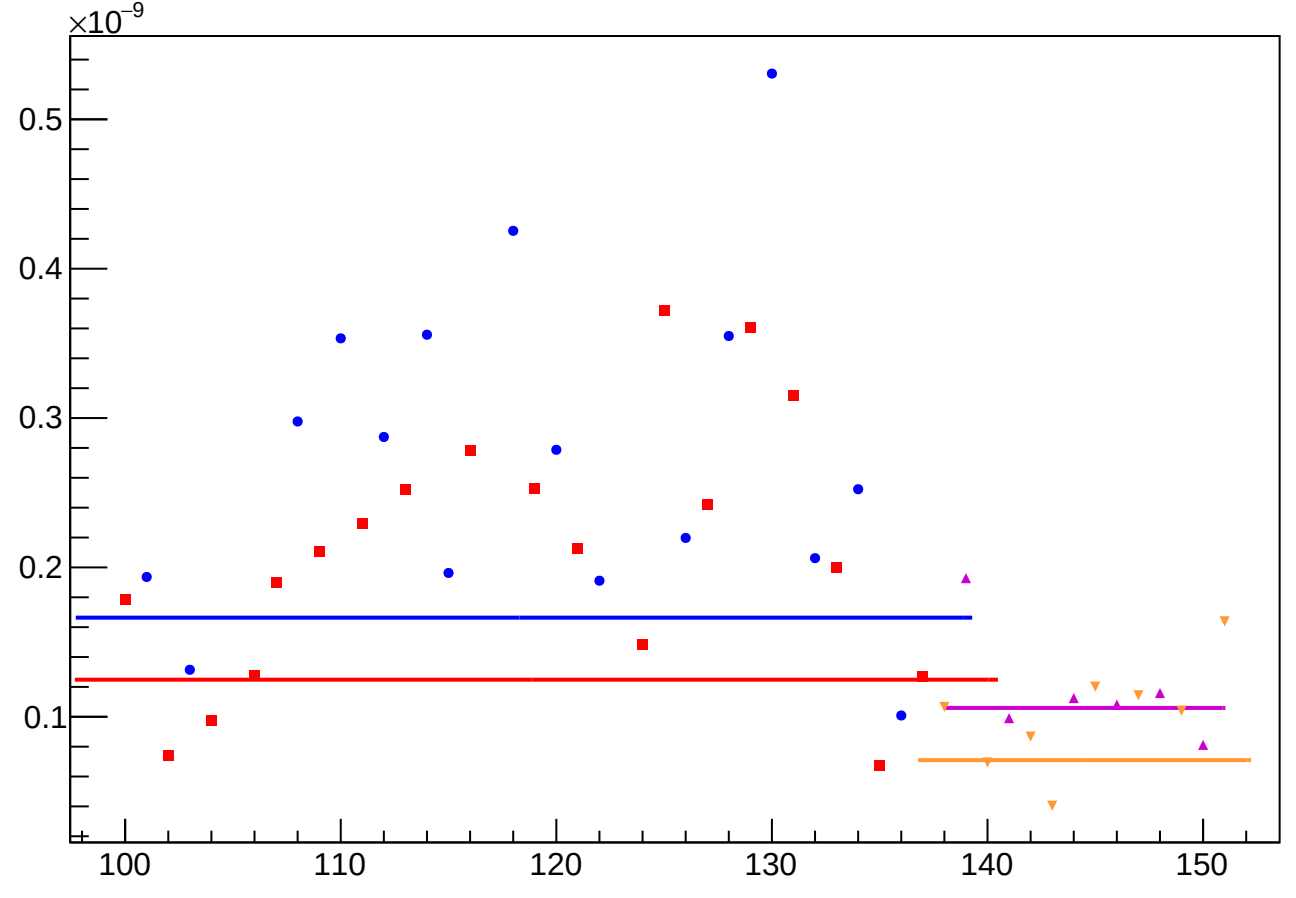
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 357.437+/-0.078 χ^2/NDF:3232553.9/21

Out: 339.053+/-0.076 χ^2/NDF:6079953.6/26

All: 348.017+/-0.055 χ^2/NDF: 9340855.8/48


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:1.4/7
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:7.0/5
Left: -0.000+/-0.000 χ²/NDF: 8.5/13
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:19.0/21
Out: -0.000+/-0.000 χ²/NDF:13.2/26
All: -0.000+/-0.000 χ²/NDF: 32.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1511495.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:346886.8/5

Left: 0.000+/-0.000 χ^2/NDF: 2344529.0/13

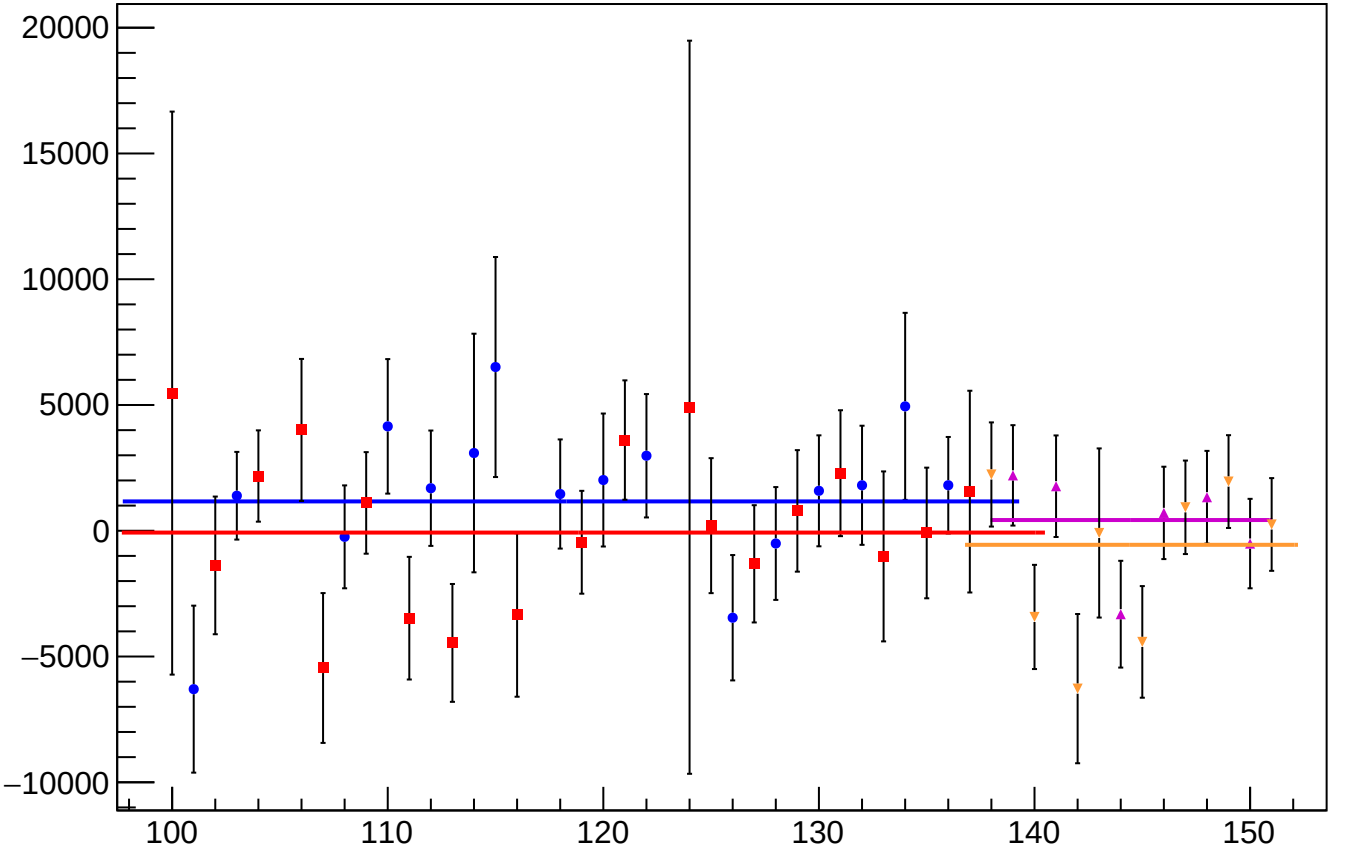
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:3019292.5/21

Out: 0.000+/-0.000 χ^2/NDF:4620912.5/26

All: 0.000+/-0.000 χ^2/NDF: 8640580.7/48

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -558.837+/-756.130 χ^2/NDF:13.2/7

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 426.393+/-784.288 χ^2/NDF:4.9/5

Left: -84.225+/-544.347 χ^2/NDF: 18.9/13

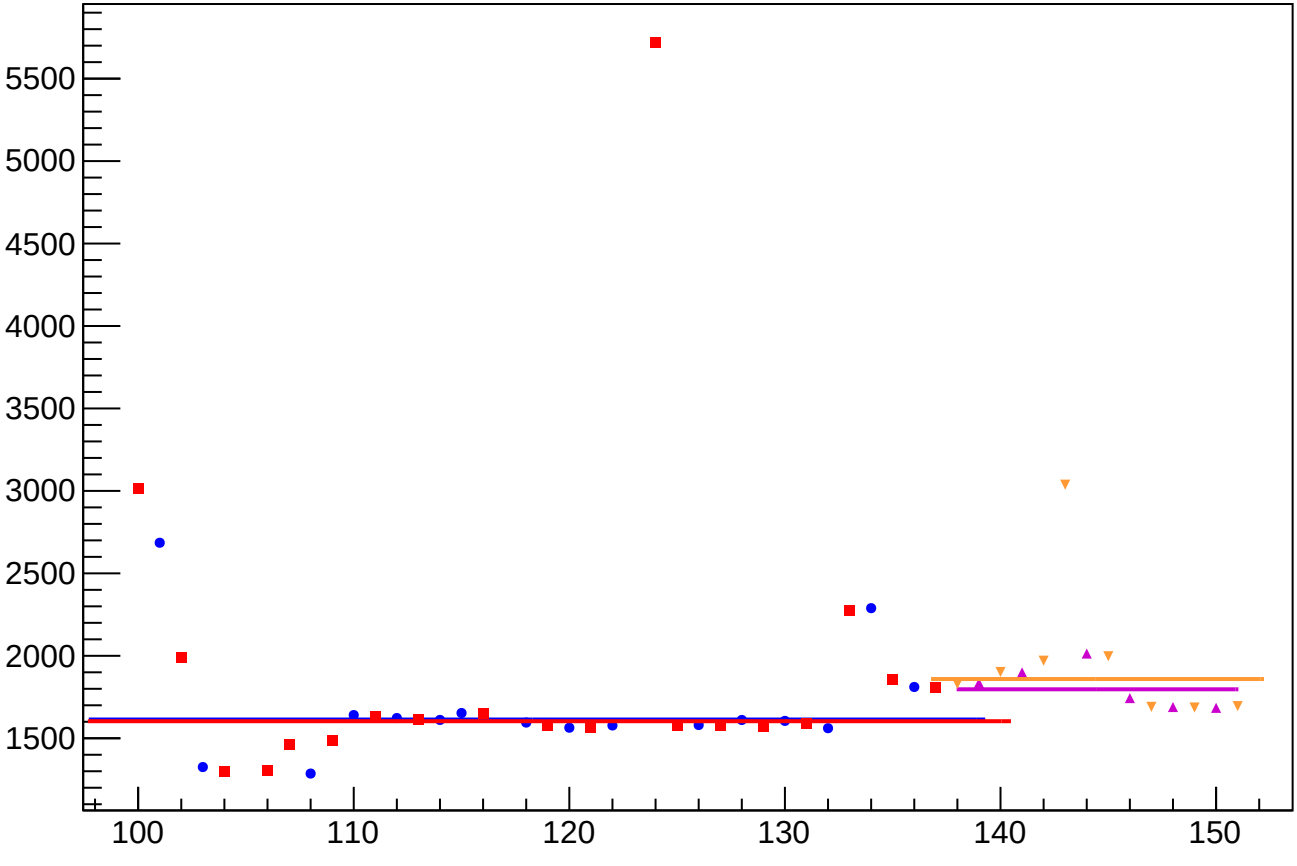
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 888.236+/-481.098 χ^2/NDF:19.9/21

Out: -261.504+/-471.615 χ^2/NDF:31.7/26

All: 301.924+/-336.785 χ^2/NDF: 54.5/48

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1859.217+/-0.535 χ^2/NDF:307479.4/7

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1796.969+/-0.555 χ^2/NDF:43241.4/5

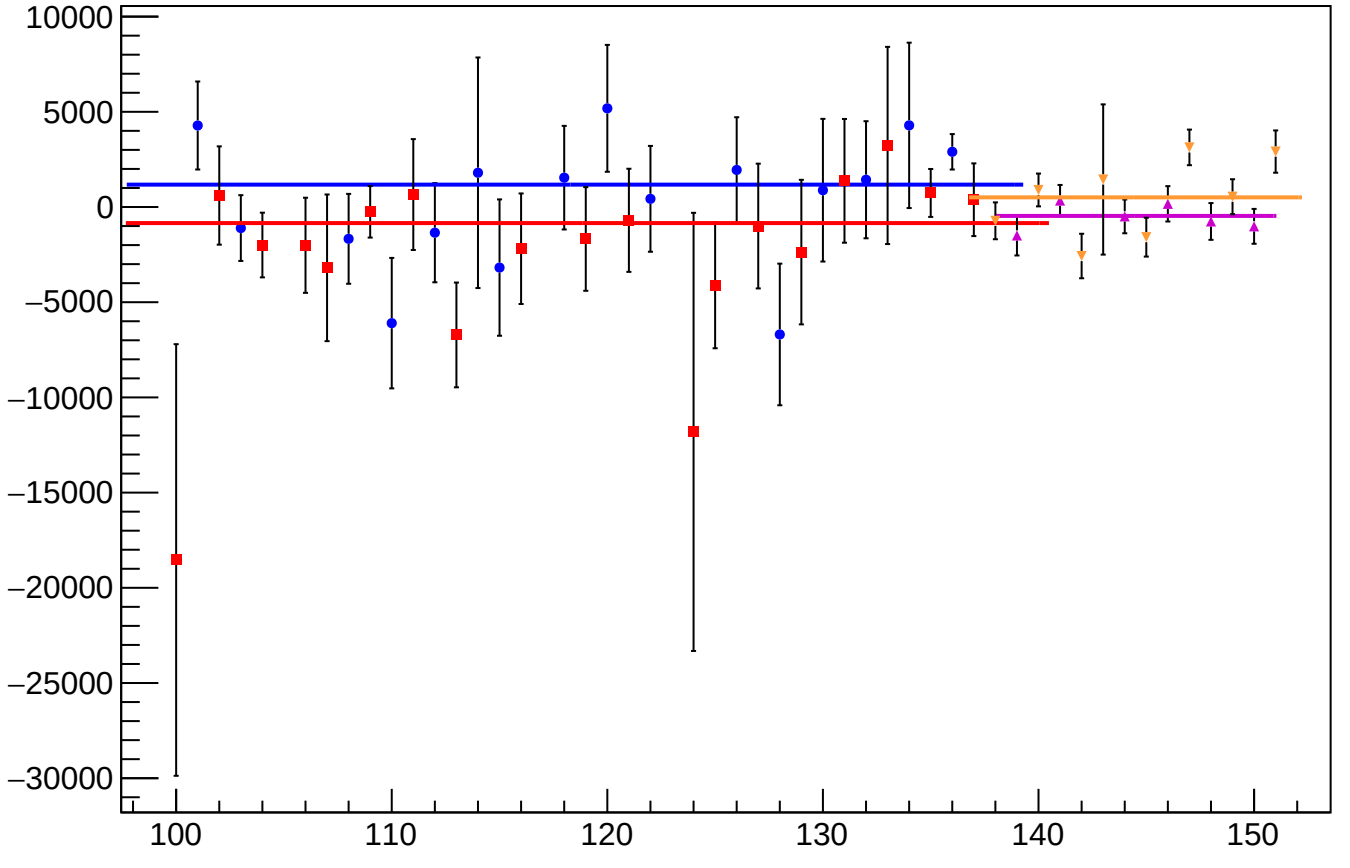
Left: 1829.230+/-0.385 χ^2/NDF: 357250.4/13

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1682.645+/-0.340 χ^2/NDF:516064.6/21

Out: 1702.959+/-0.333 χ^2/NDF:873070.1/26

All: 1693.004+/-0.238 χ^2/NDF: 1390953.2/48



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 506.799+/-369.752 χ^2/NDF:25.6/7

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -467.285+/-375.517 χ^2/NDF:2.8/5

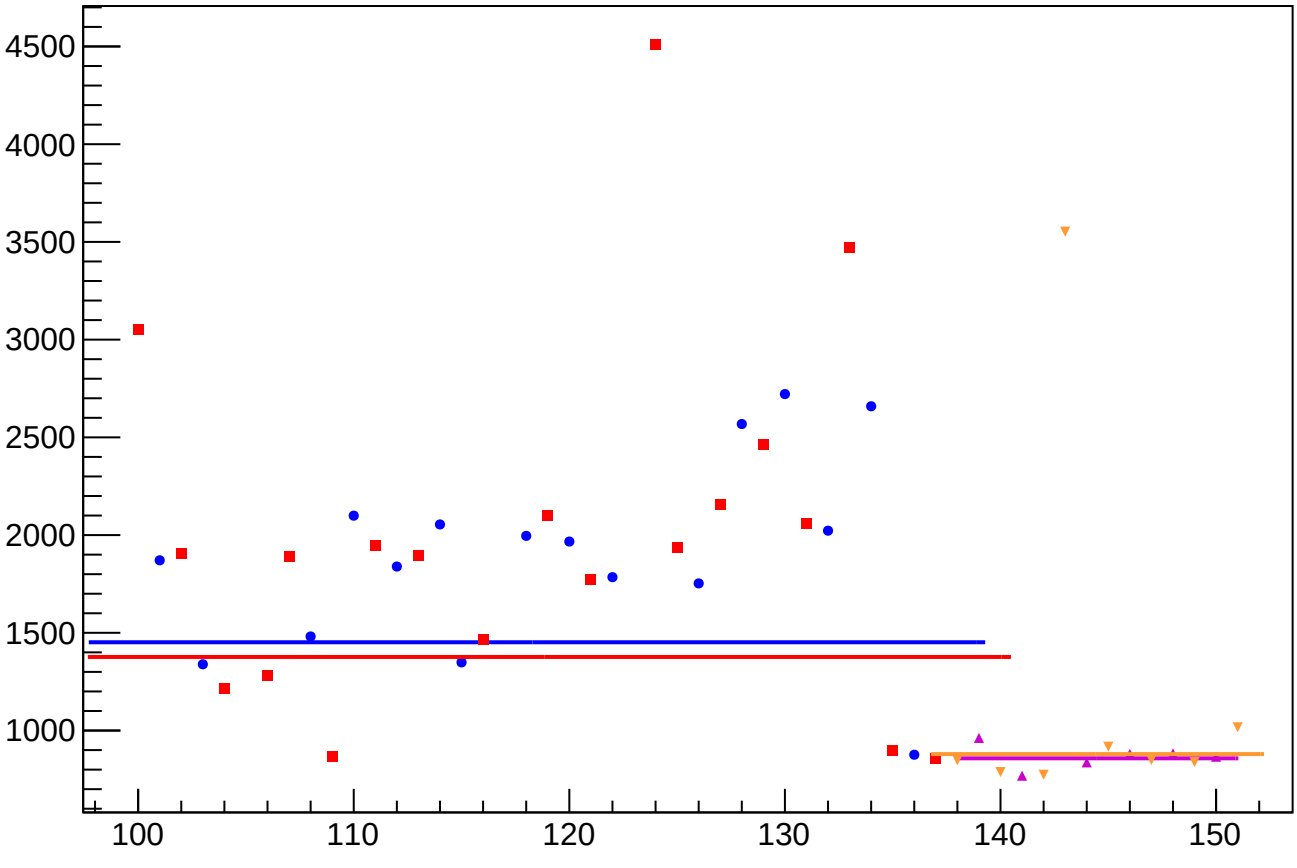
Left: 27.291+/-263.469 χ^2/NDF: 31.8/13

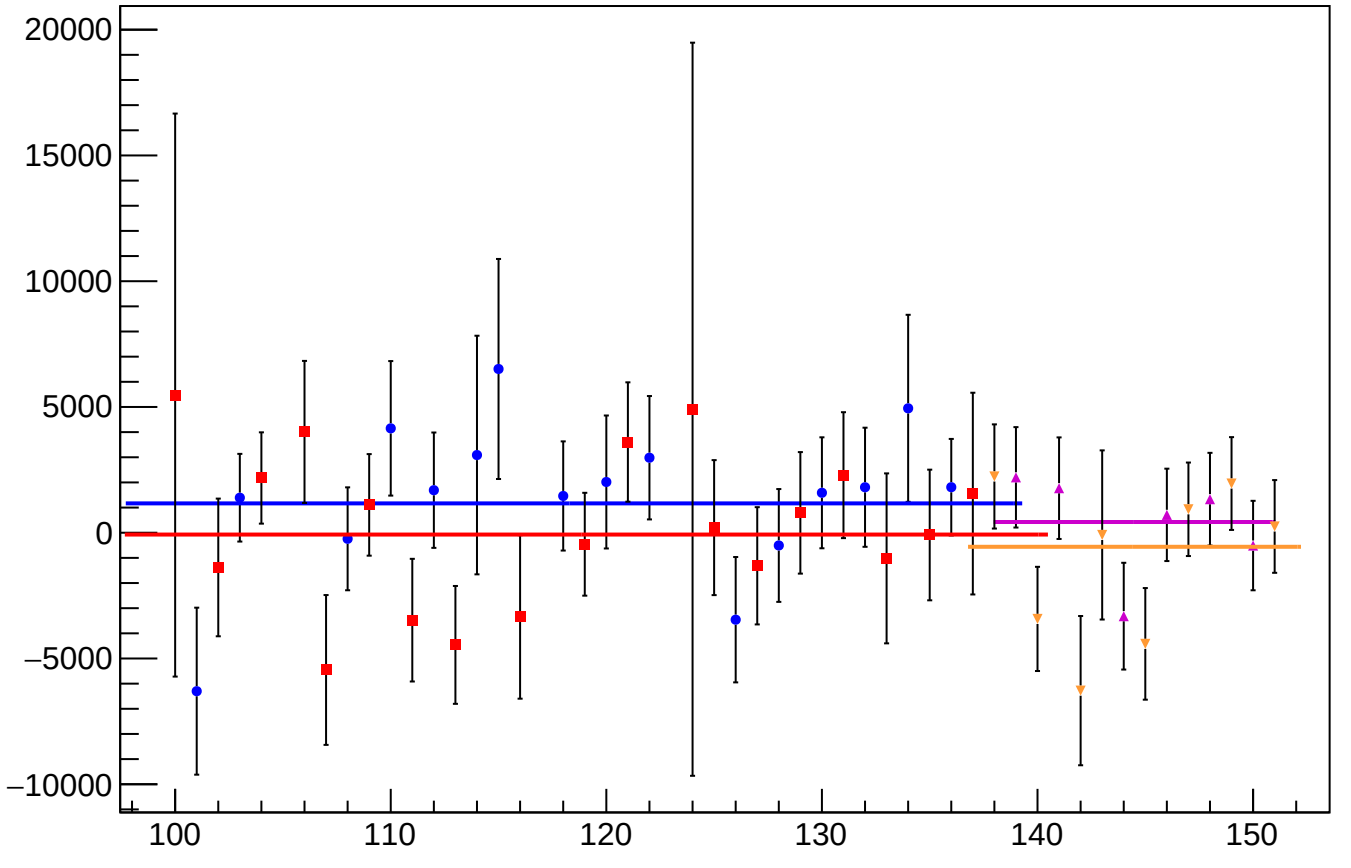
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 19.043+/-315.067 χ^2/NDF:30.5/21

Out: 94.115+/-308.129 χ^2/NDF:43.9/26

All: 57.415+/-220.292 χ^2/NDF: 74.5/48


asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1451.631+/-0.409 χ²/NDF: 1790839.5/15
Left Out: 879.576+/-0.261 χ²/NDF:998596.7/7
Right Out: 1376.470+/-0.394 χ²/NDF: 2132051.1/18
Left In: 857.846+/-0.266 χ²/NDF:47031.8/5
Left: 868.879+/-0.186 χ²/NDF: 1049029.0/13
Right: 1412.621+/-0.284 χ²/NDF: 3940379.2/34
In: 1033.632+/-0.223 χ²/NDF:3318290.7/21
Out: 1031.399+/-0.218 χ²/NDF:4234238.4/26
All: 1032.490+/-0.156 χ²/NDF: 7552580.5/48



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -558.940+/-756.130 χ^2/NDF:13.2/7

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 426.443+/-784.288 χ^2/NDF:4.9/5

Left: -84.255+/-544.347 χ^2/NDF: 18.9/13

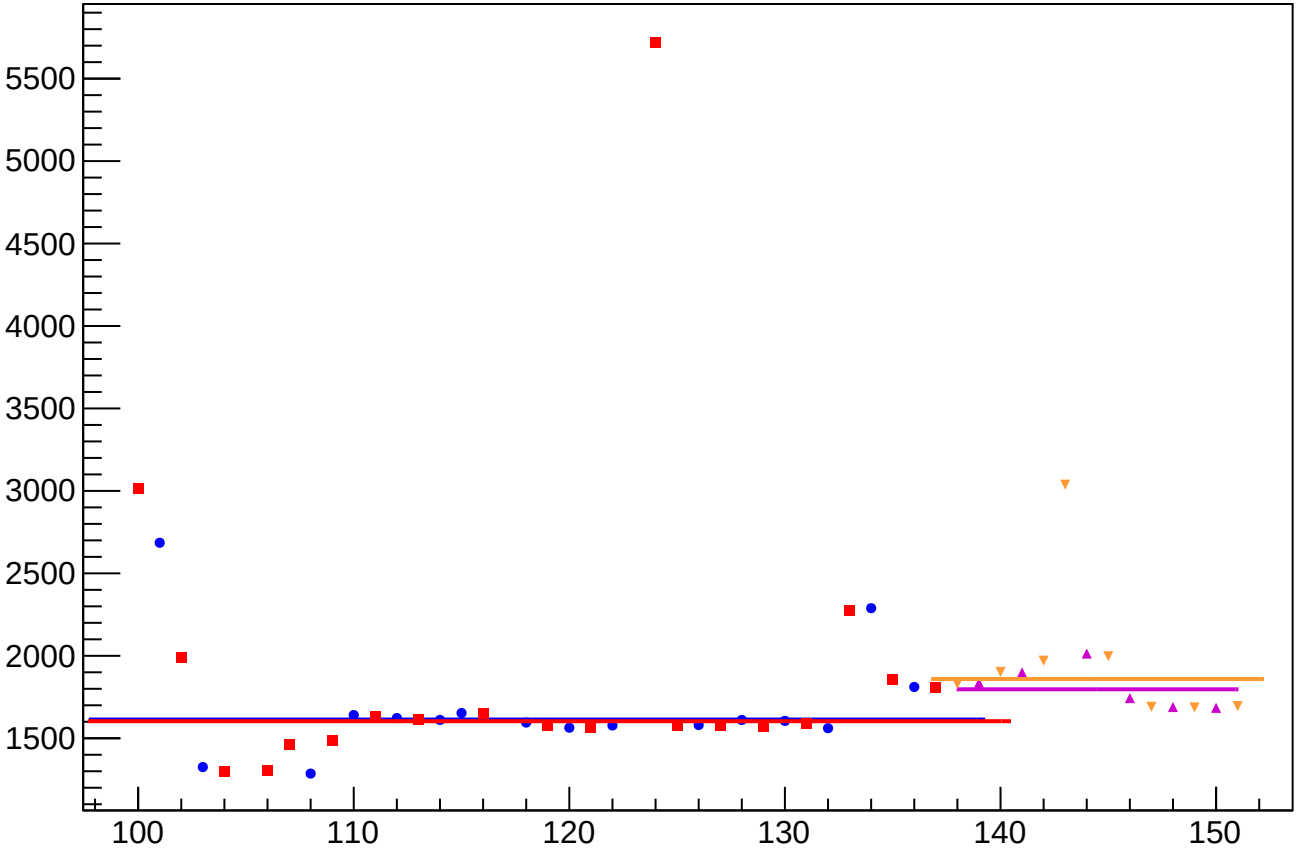
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 888.197+/-481.098 χ^2/NDF:19.9/21

Out: -261.739+/-471.615 χ^2/NDF:31.7/26

All: 301.785+/-336.785 χ^2/NDF: 54.5/48

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1859.217+/-0.535 χ^2/NDF:307479.4/7

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1796.969+/-0.555 χ^2/NDF:43241.3/5

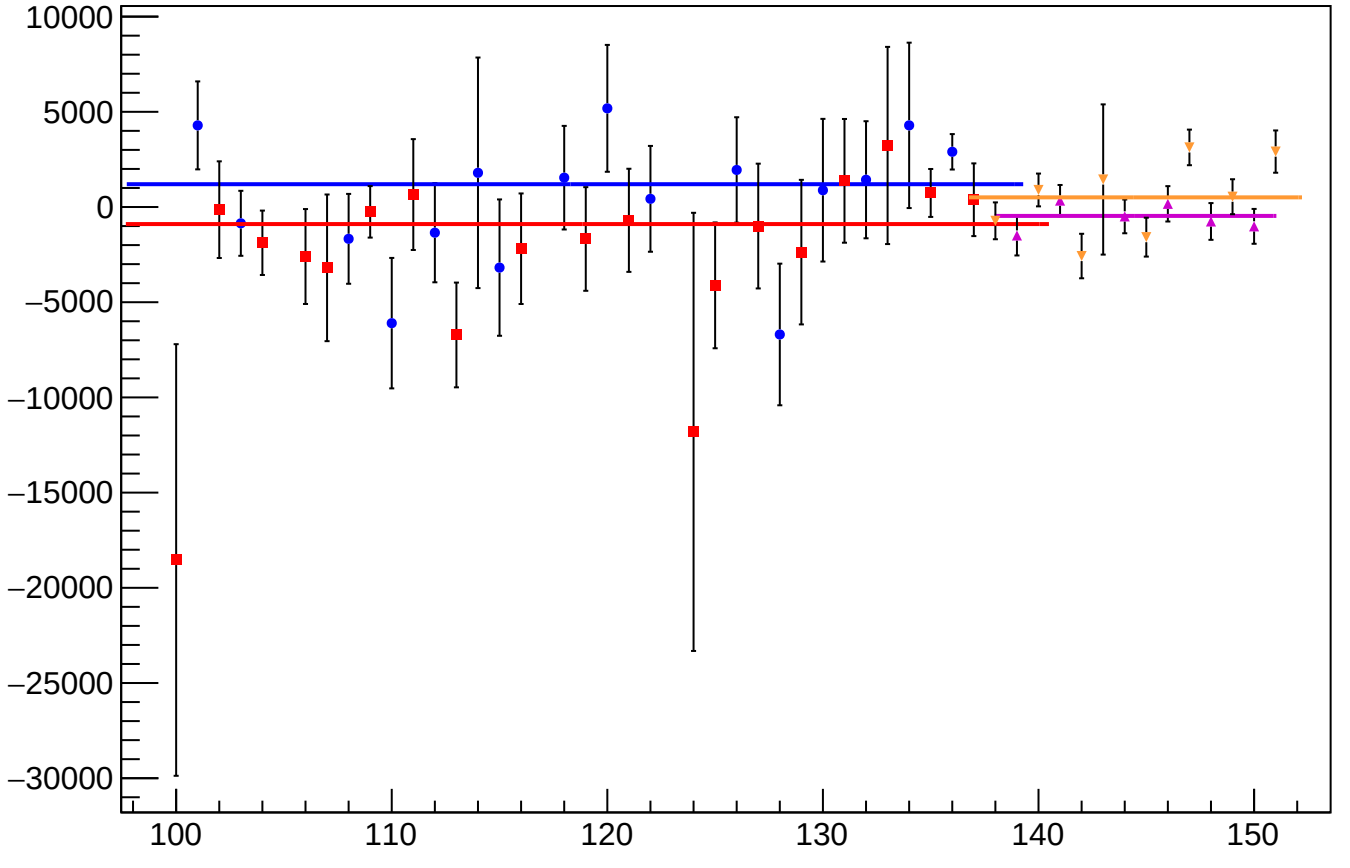
Left: 1829.230+/-0.385 χ^2/NDF: 357250.4/13

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.645+/-0.340 χ^2/NDF:516065.0/21

Out: 1702.959+/-0.333 χ^2/NDF:873070.3/26

All: 1693.004+/-0.238 χ^2/NDF: 1390953.7/48



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 506.840+/-369.759 χ^2/NDF:25.6/7

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -467.369+/-375.515 χ^2/NDF:2.8/5

Left: 27.259+/-263.470 χ^2/NDF: 31.8/13

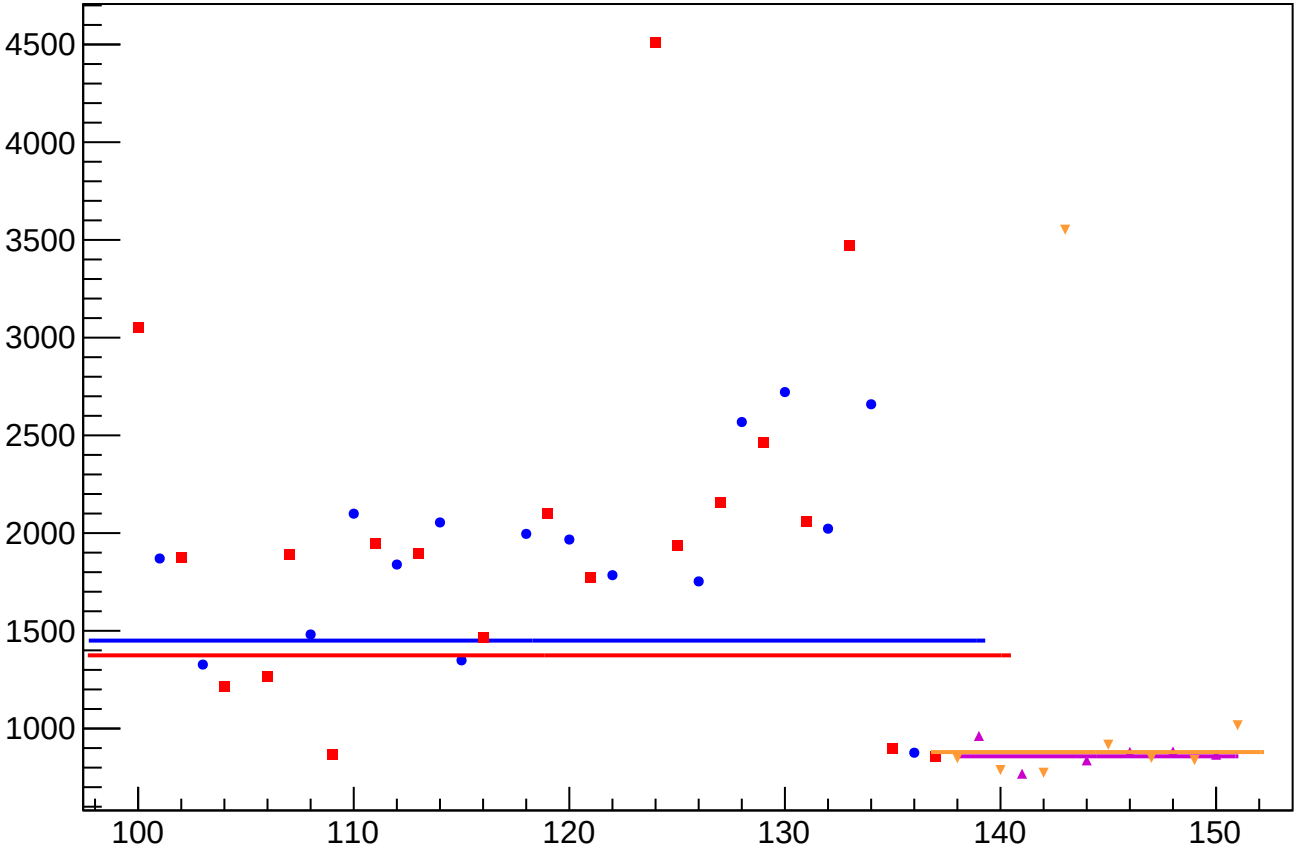
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 26.734+/-314.933 χ^2/NDF:30.3/21

Out: 77.539+/-308.003 χ^2/NDF:44.2/26

All: 52.702+/-220.200 χ^2/NDF: 74.6/48

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 879.596+/-0.261 χ^2/NDF:998550.4/7

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 857.840+/-0.266 χ^2/NDF:47049.3/5

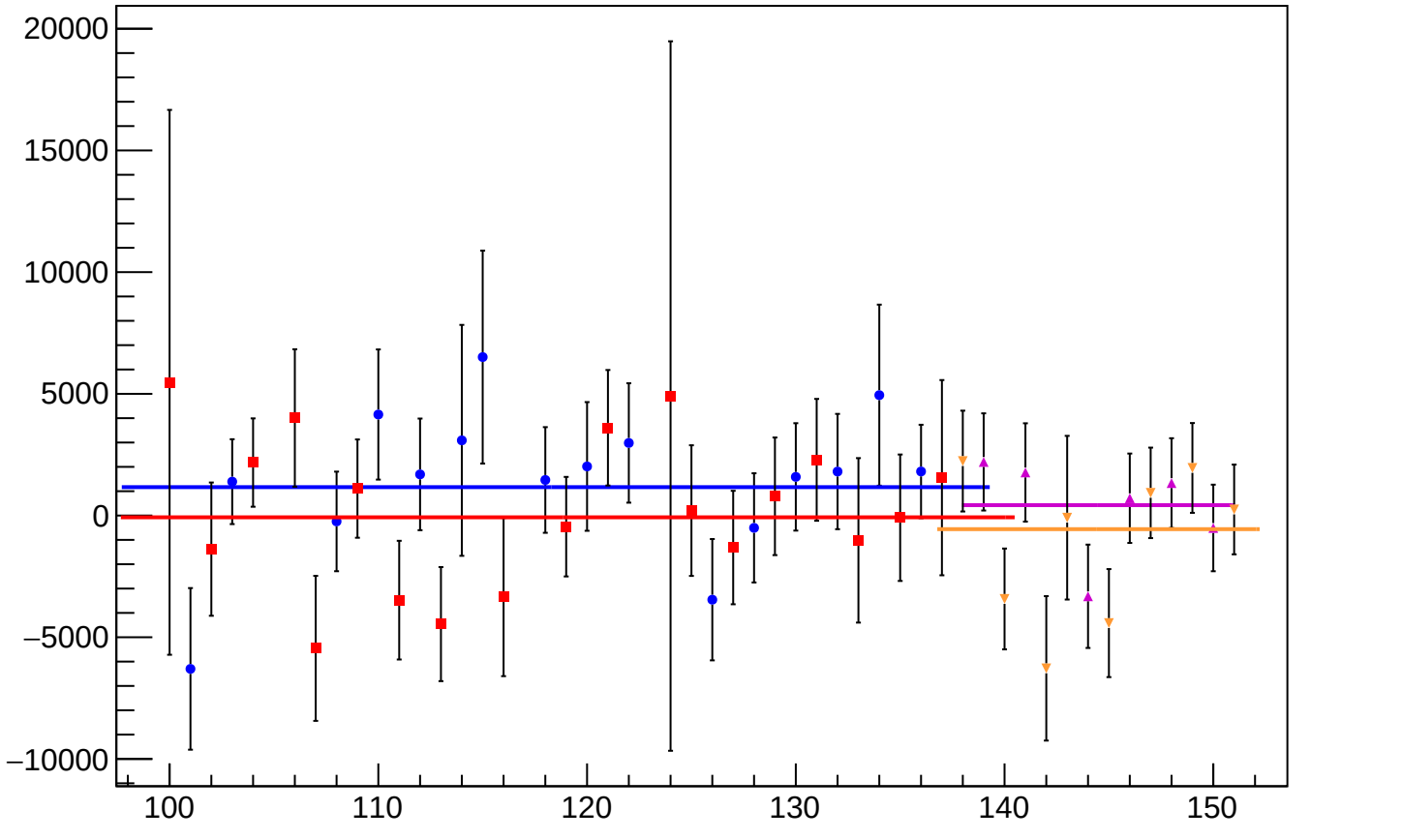
Left: 868.886+/-0.186 χ^2/NDF: 1049008.0/13

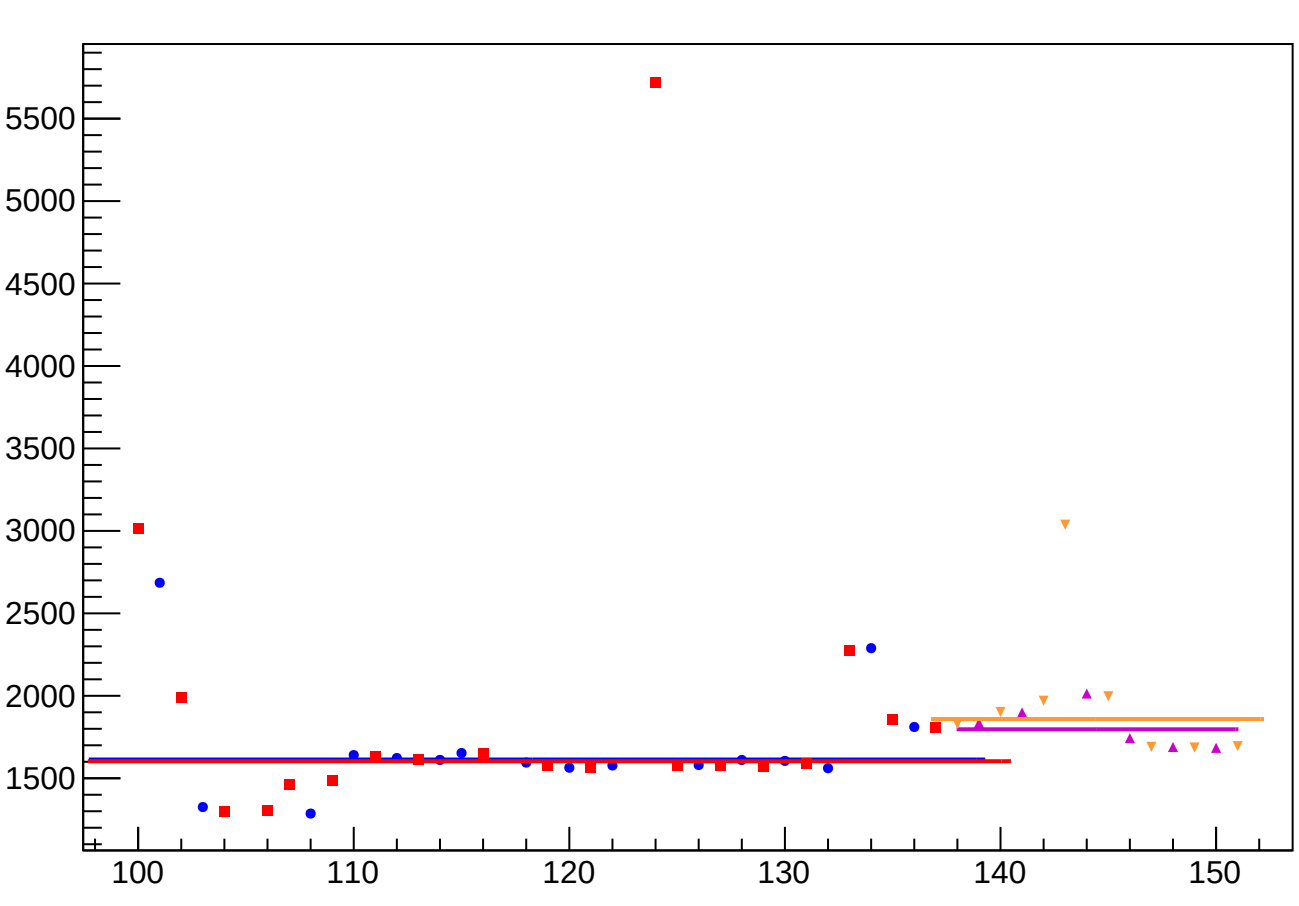
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1033.476+/-0.223 χ^2/NDF:3314691.4/21

Out: 1031.086+/-0.218 χ^2/NDF:4222838.3/26

All: 1032.255+/-0.156 χ^2/NDF: 7537588.5/48


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -558.940+/-756.130 χ²/NDF:13.2/7
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 426.443+/-784.288 χ²/NDF:4.9/5
Left: -84.255+/-544.347 χ²/NDF: 18.9/13
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 888.197+/-481.098 χ²/NDF:19.9/21
Out: -261.739+/-471.615 χ²/NDF:31.7/26
All: 301.785+/-336.785 χ²/NDF: 54.5/48



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1859.217+/-0.535 χ^2/NDF:307479.4/7

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1796.969+/-0.555 χ^2/NDF:43241.3/5

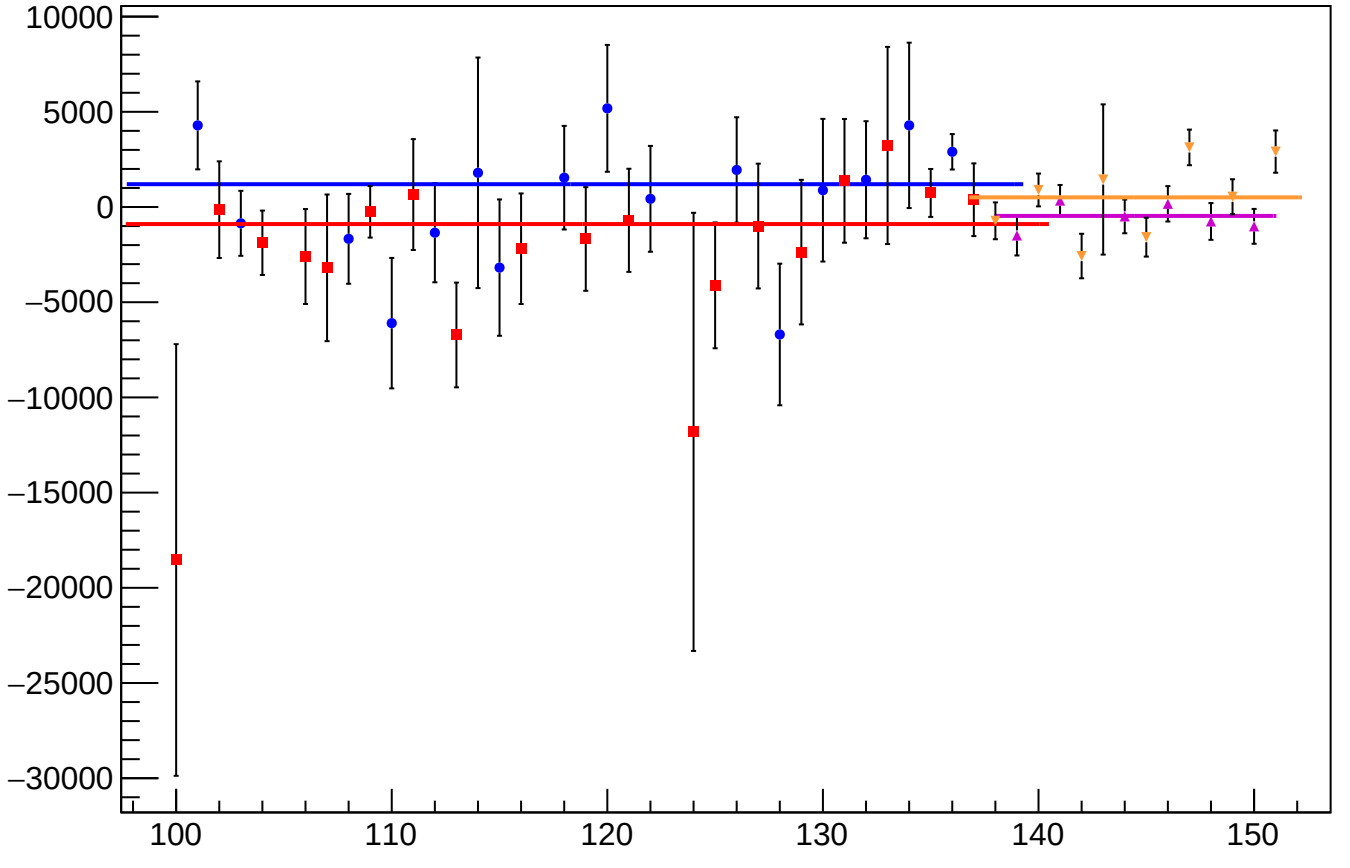
Left: 1829.230+/-0.385 χ^2/NDF: 357250.4/13

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.645+/-0.340 χ^2/NDF:516065.0/21

Out: 1702.959+/-0.333 χ^2/NDF:873070.3/26

All: 1693.004+/-0.238 χ^2/NDF: 1390953.7/48



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 506.840+/-369.759 χ^2/NDF:25.6/7

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -467.369+/-375.515 χ^2/NDF:2.8/5

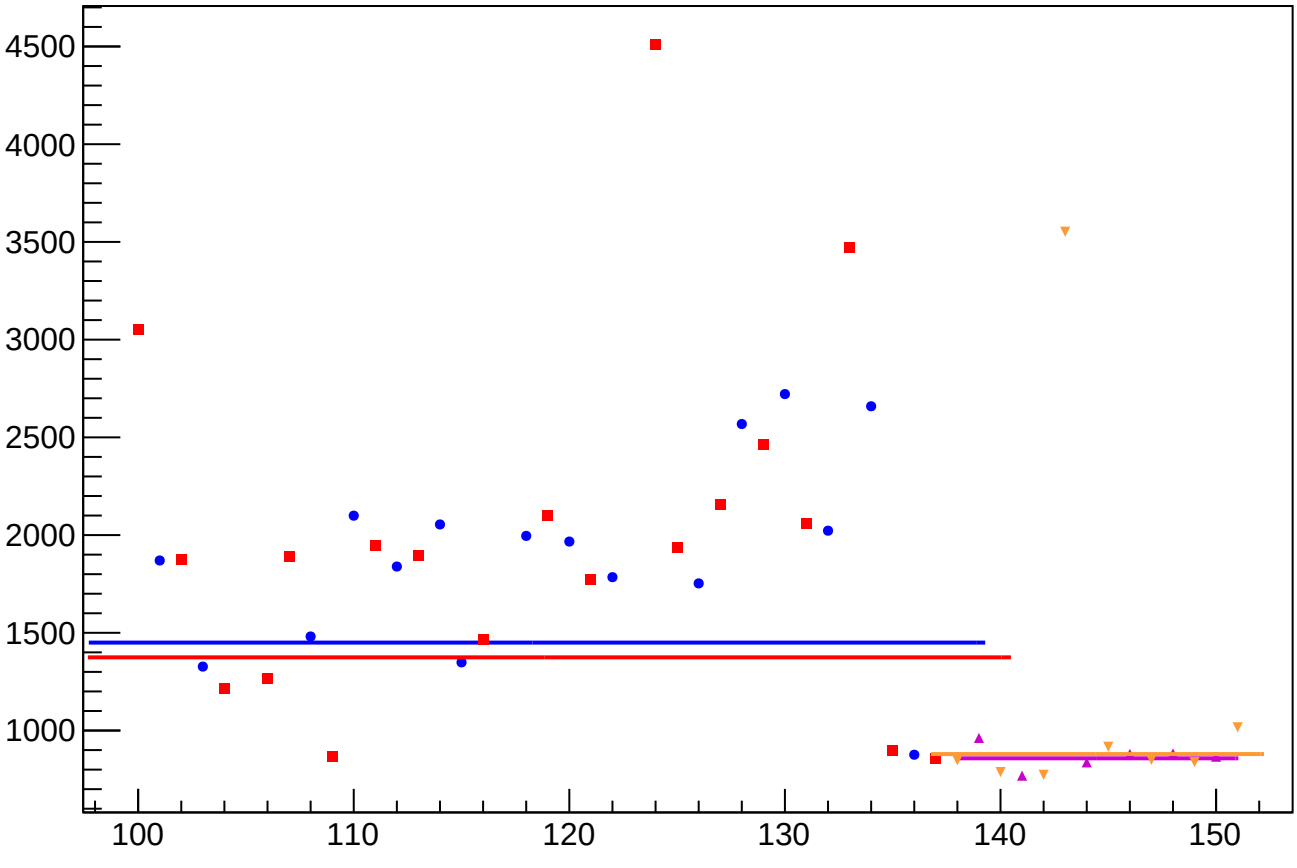
Left: 27.259+/-263.470 χ^2/NDF: 31.8/13

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 26.734+/-314.933 χ^2/NDF:30.3/21

Out: 77.539+/-308.003 χ^2/NDF:44.2/26

All: 52.702+/-220.200 χ^2/NDF: 74.6/48



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 879.596+/-0.261 χ^2/NDF:998550.4/7

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 857.840+/-0.266 χ^2/NDF:47049.3/5

Left: 868.886+/-0.186 χ^2/NDF: 1049008.0/13

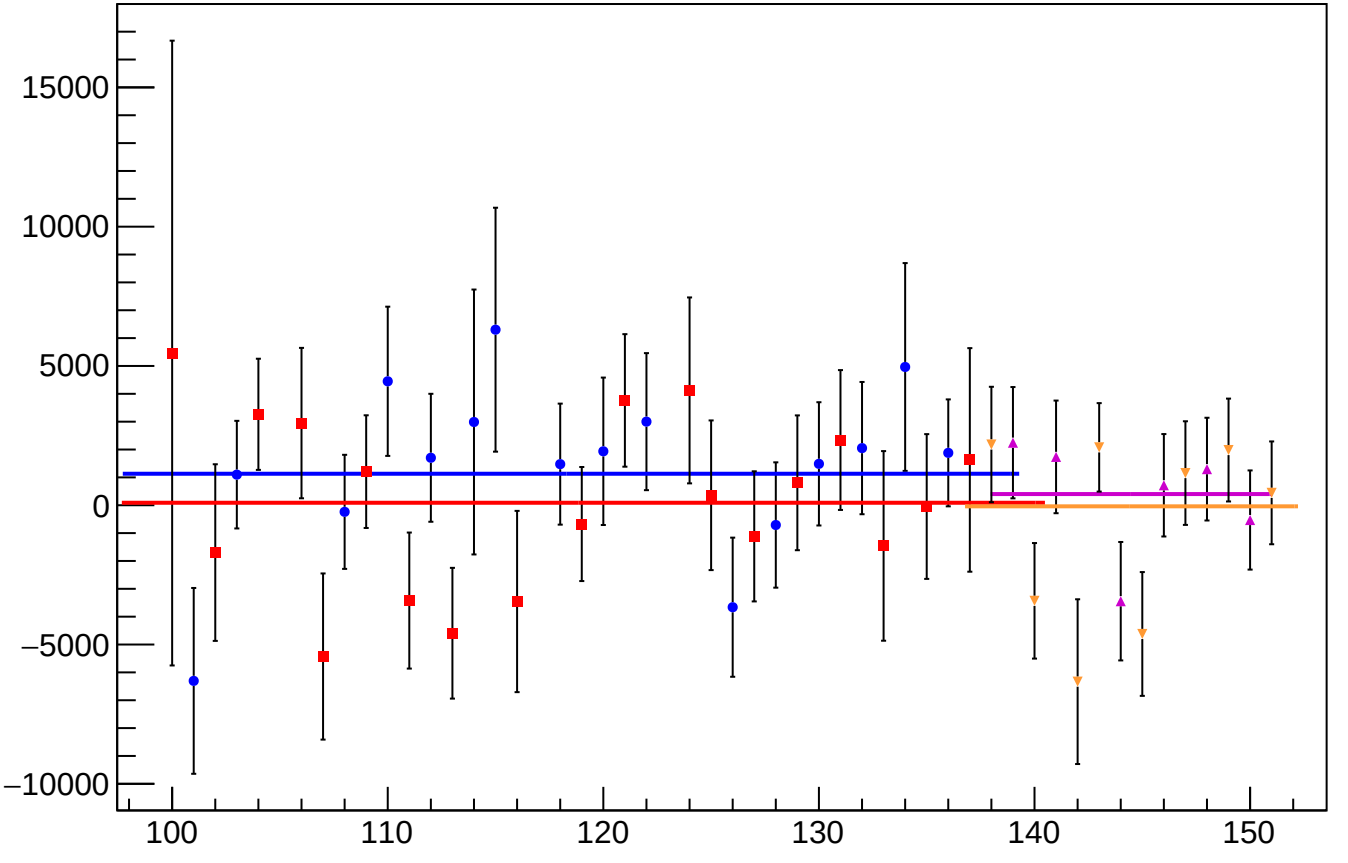
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1033.476+/-0.223 χ^2/NDF:3314691.4/21

Out: 1031.086+/-0.218 χ^2/NDF:4222838.3/26

All: 1032.255+/-0.156 χ^2/NDF: 7537588.5/48

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: -39.088+/-697.595 χ^2/NDF:16.1/7

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 401.483+/-785.169 χ^2/NDF:5.1/5

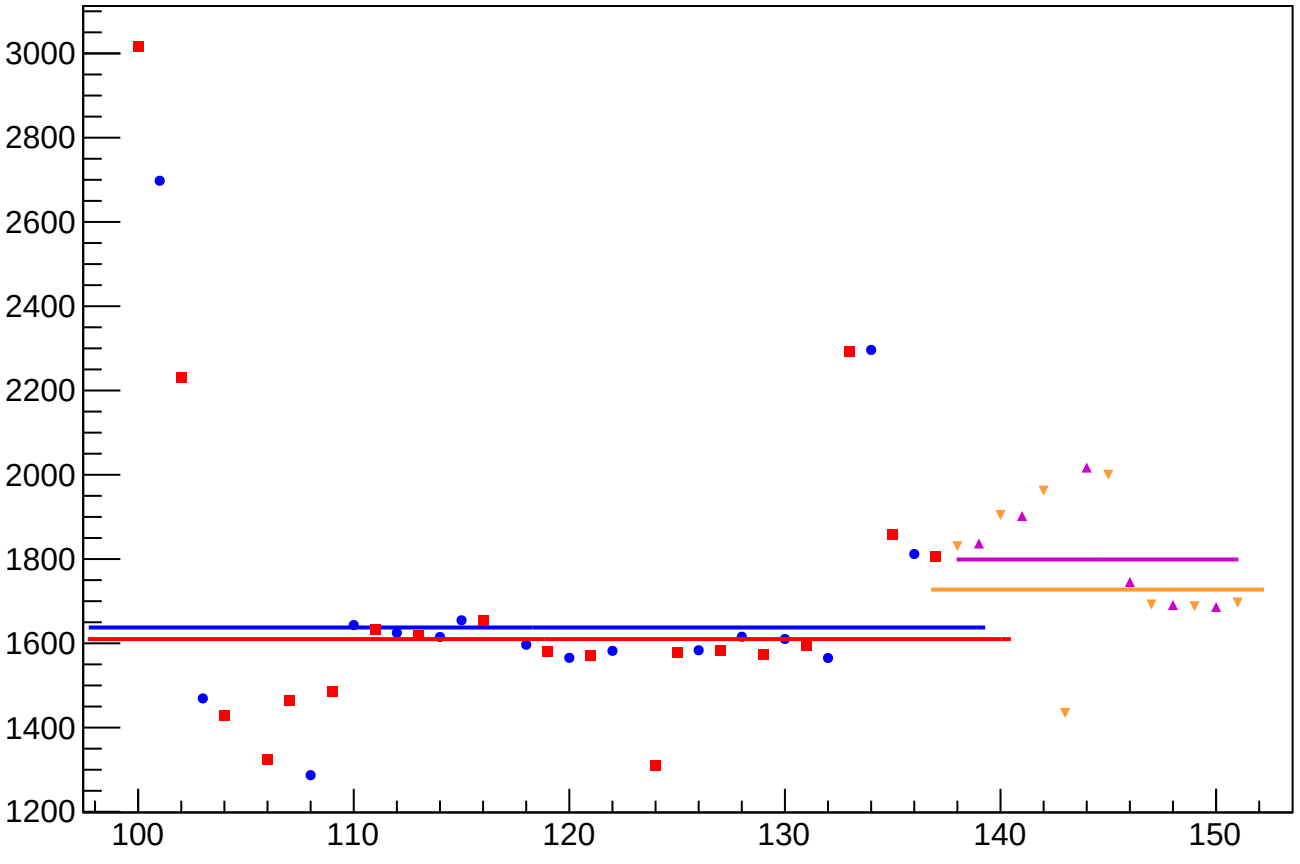
Left: 155.267+/-521.499 χ^2/NDF: 21.3/13

Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 852.194+/-485.249 χ^2/NDF:20.6/21

Out: 34.341+/-456.223 χ^2/NDF:36.8/26

All: 418.078+/-332.386 χ^2/NDF: 58.9/48



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1727.540+/-0.493 χ^2/NDF:132434.2/7

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1798.944+/-0.555 χ^2/NDF:43575.9/5

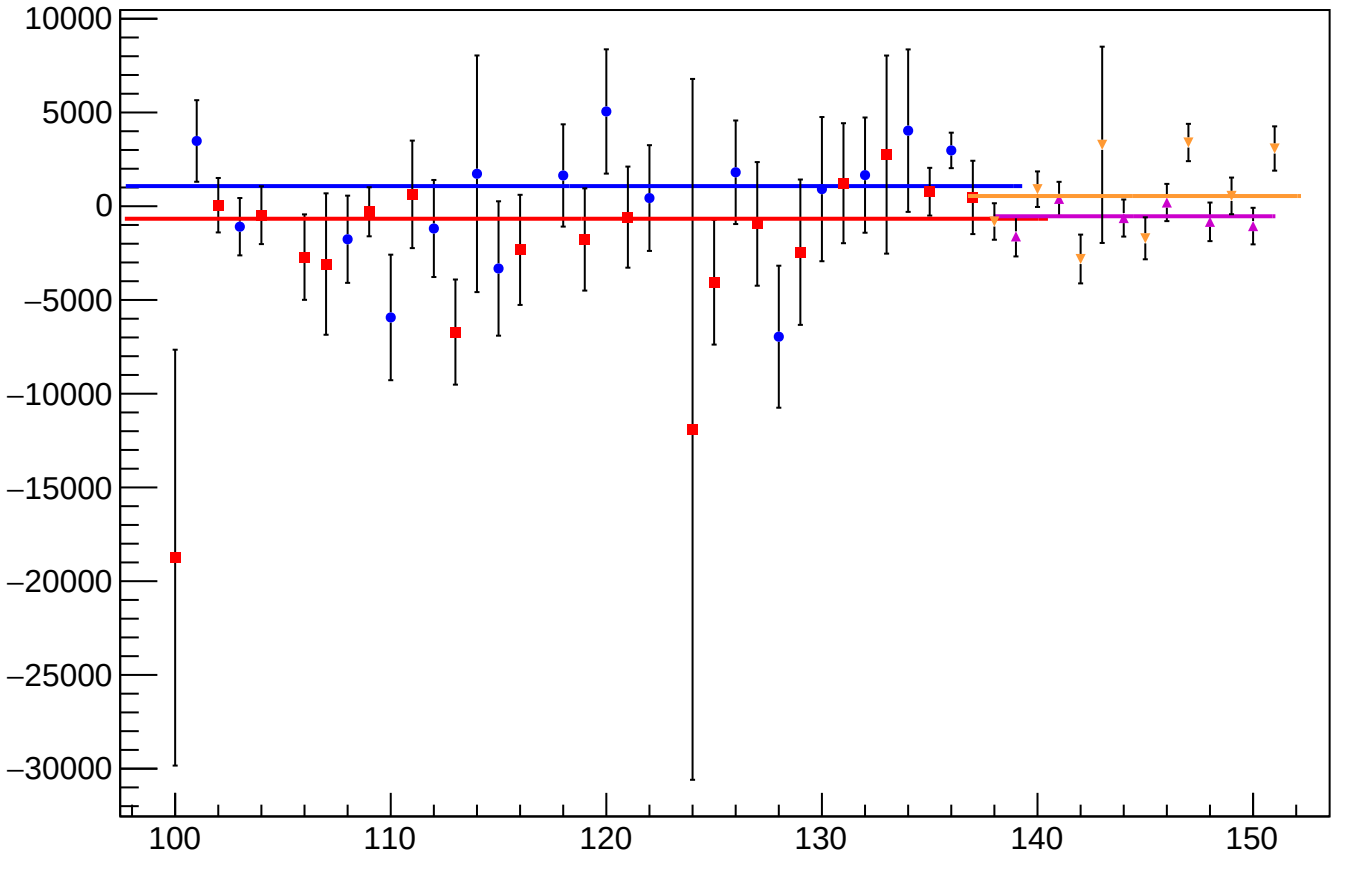
Left: 1759.039+/-0.369 χ^2/NDF: 185253.8/13

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1699.208+/-0.343 χ^2/NDF:457205.4/21

Out: 1660.297+/-0.323 χ^2/NDF:445717.3/26

All: 1678.554+/-0.235 χ^2/NDF: 909748.9/48



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 543.544+/-396.357 χ^2/NDF:25.9/7

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -535.502+/-404.236 χ^2/NDF:3.0/5

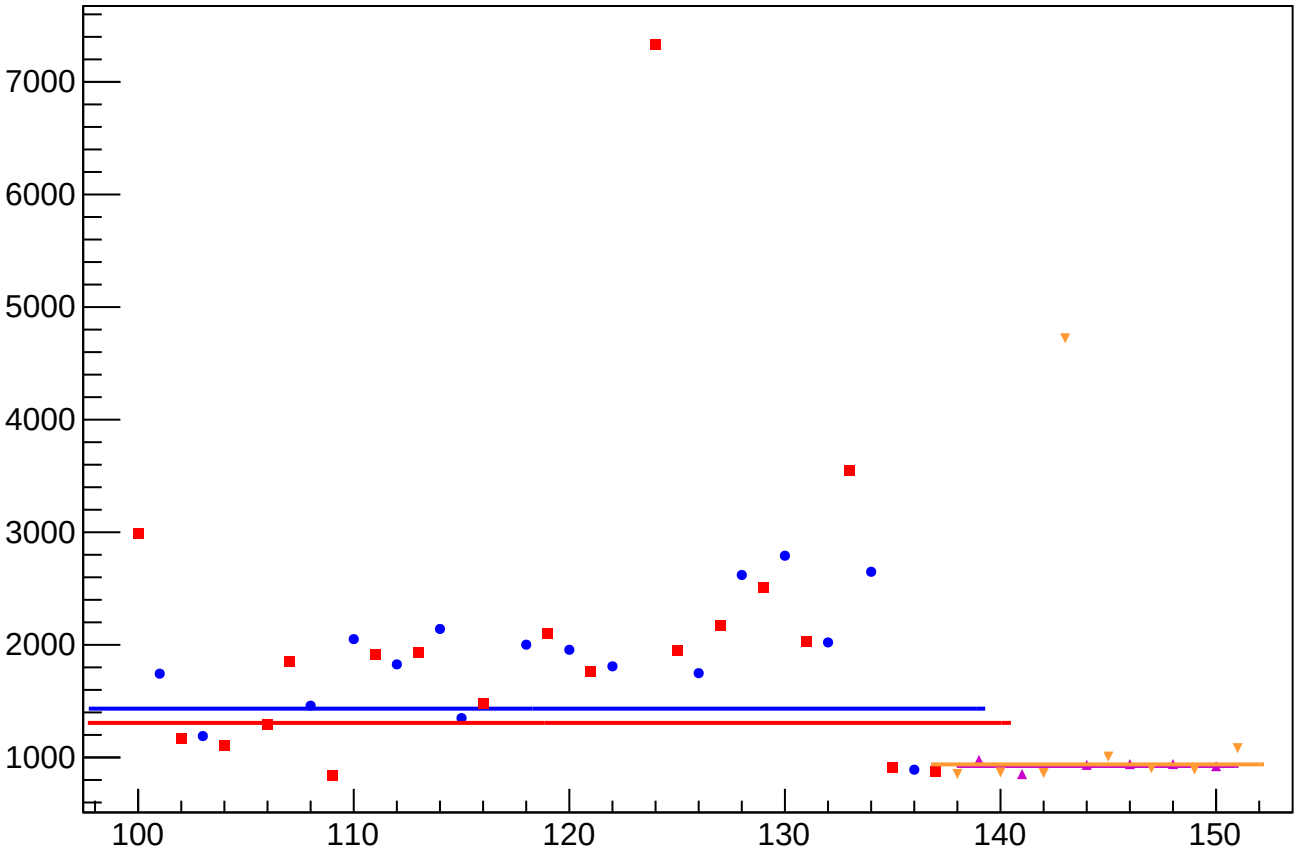
Left: 14.638+/-283.011 χ^2/NDF: 32.5/13

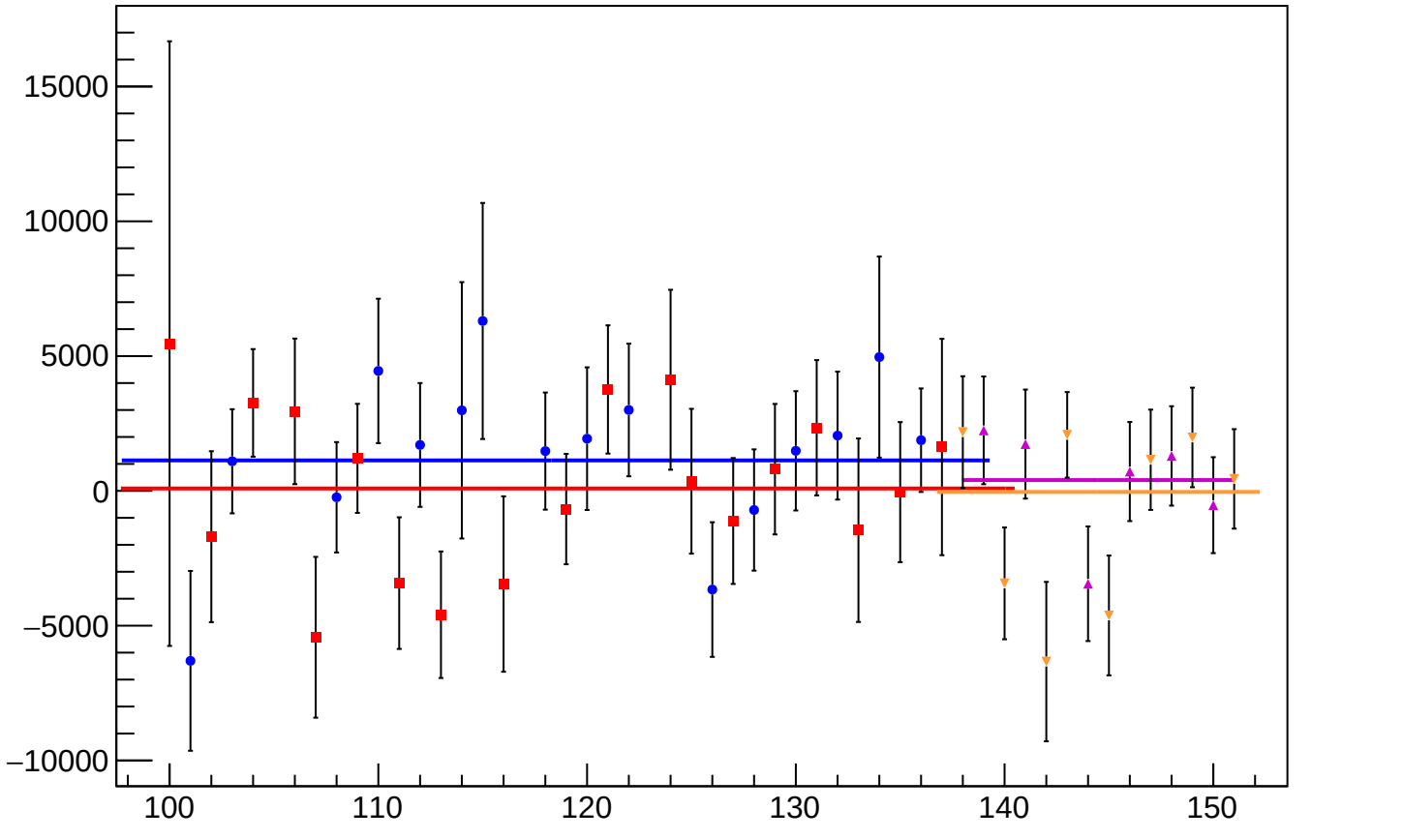
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 0.949+/-330.044 χ^2/NDF:30.3/21

Out: 102.149+/-315.996 χ^2/NDF:42.9/26

All: 53.748+/-228.248 χ^2/NDF: 73.2/48


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 938.307+/-0.280 χ²/NDF:1122447.4/7
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 924.616+/-0.286 χ²/NDF:19009.0/5
Left: 931.596+/-0.200 χ²/NDF: 1142626.1/13
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1094.263+/-0.233 χ²/NDF:2839087.8/21
Out: 1072.607+/-0.223 χ²/NDF:3936496.9/26
All: 1082.964+/-0.161 χ²/NDF: 6780077.2/48



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: -39.098+/-697.595 χ^2/NDF:16.1/7

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 401.477+/-785.169 χ^2/NDF:5.1/5

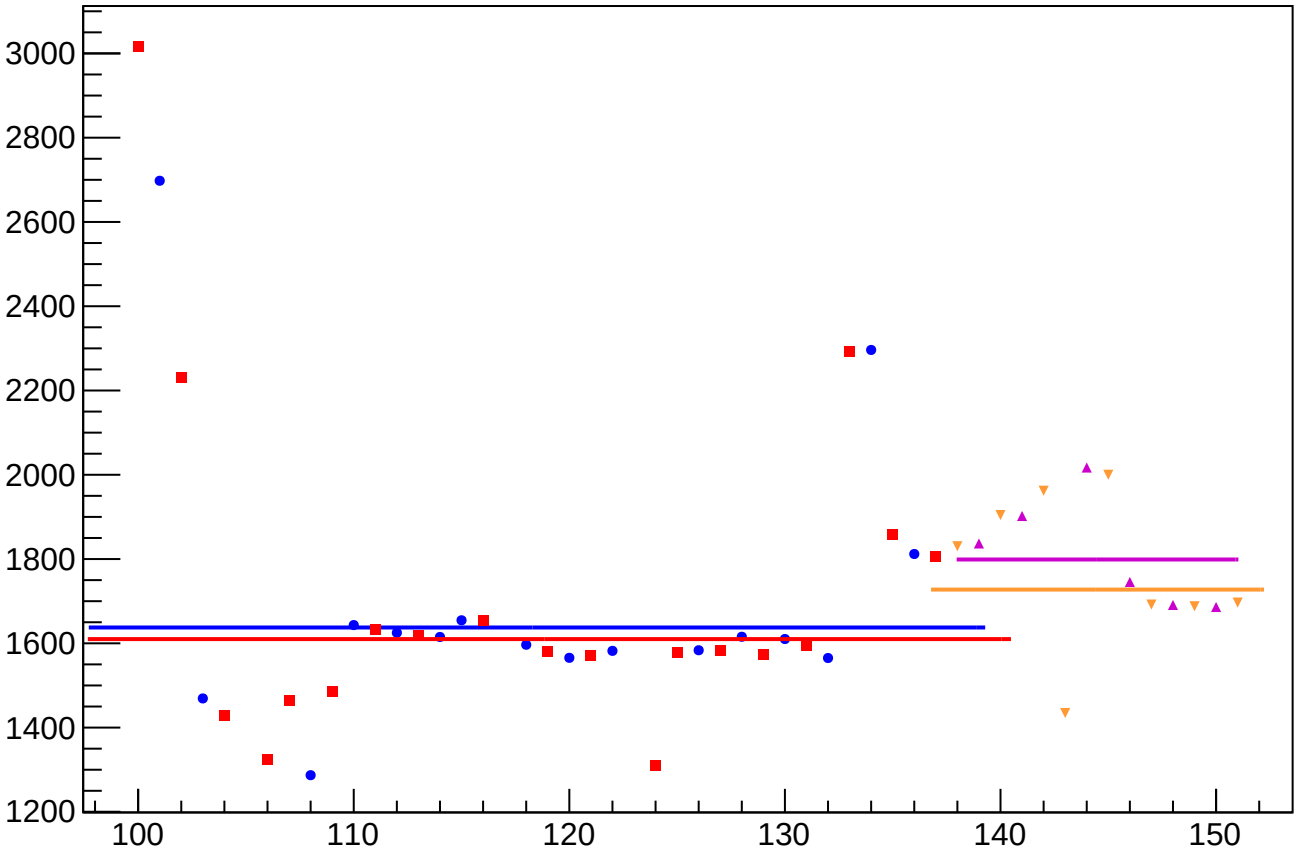
Left: 155.259+/-521.499 χ^2/NDF: 21.3/13

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 852.193+/-485.249 χ^2/NDF:20.6/21

Out: 34.340+/-456.223 χ^2/NDF:36.8/26

All: 418.077+/-332.386 χ^2/NDF: 58.9/48



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1727.540+/-0.493 χ^2/NDF:132433.1/7

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1798.943+/-0.555 χ^2/NDF:43576.0/5

Left: 1759.039+/-0.369 χ^2/NDF: 185252.7/13

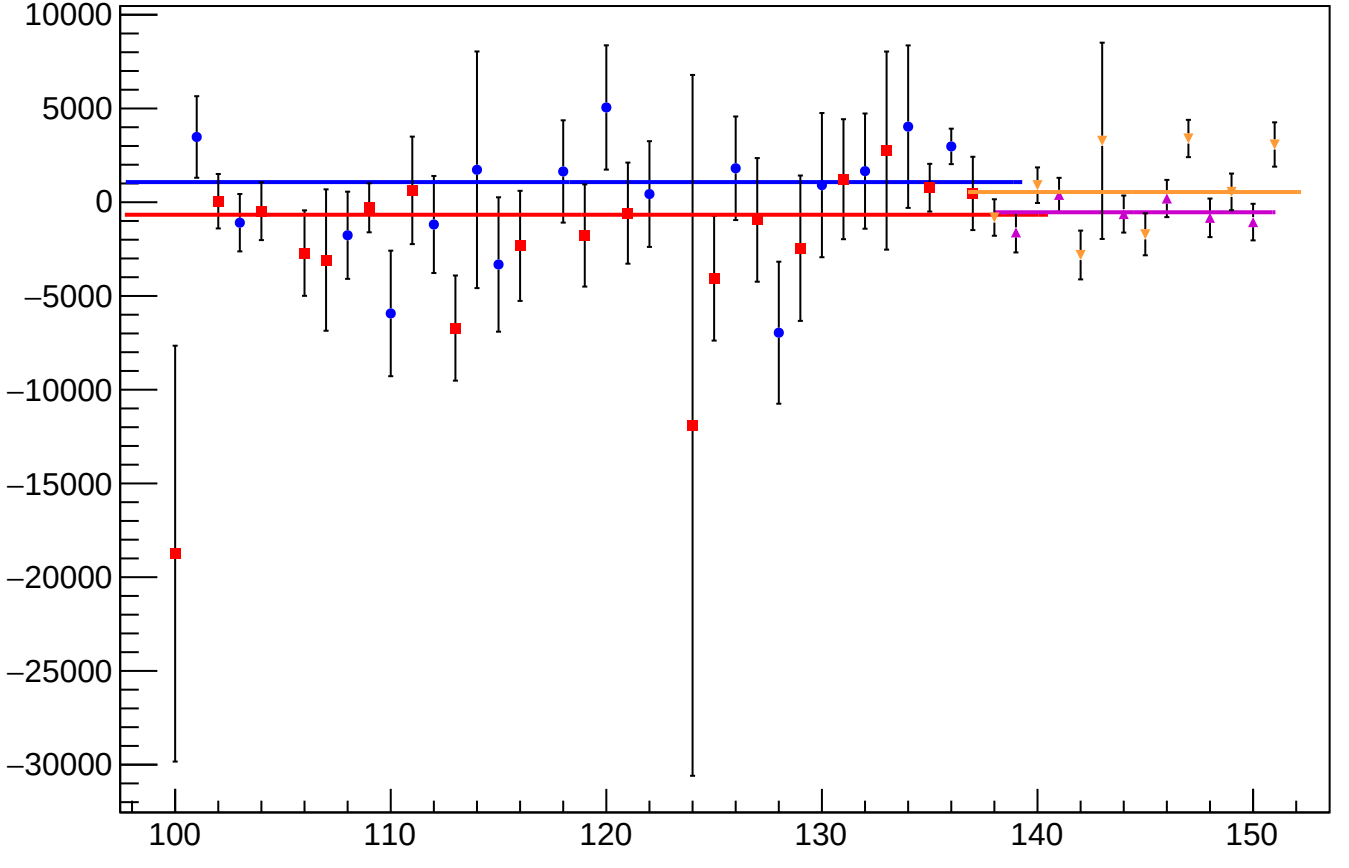
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1699.208+/-0.343 χ^2/NDF:457205.3/21

Out: 1660.298+/-0.323 χ^2/NDF:445716.7/26

All: 1678.554+/-0.235 χ^2/NDF: 909748.2/48

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 543.559+/-396.359 χ^2/NDF:25.9/7

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -535.502+/-404.236 χ^2/NDF:3.0/5

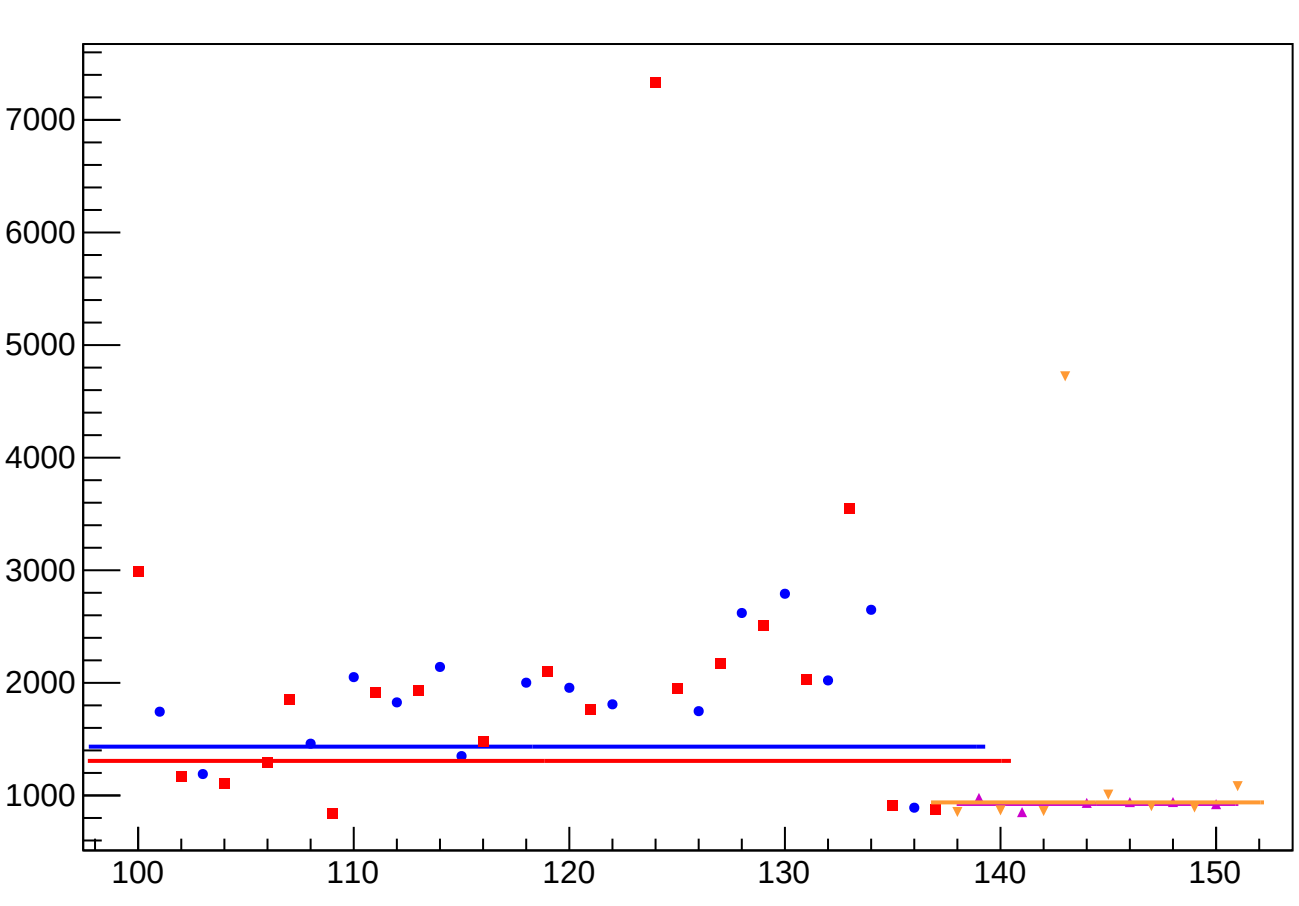
Left: 14.644+/-283.012 χ^2/NDF: 32.5/13

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

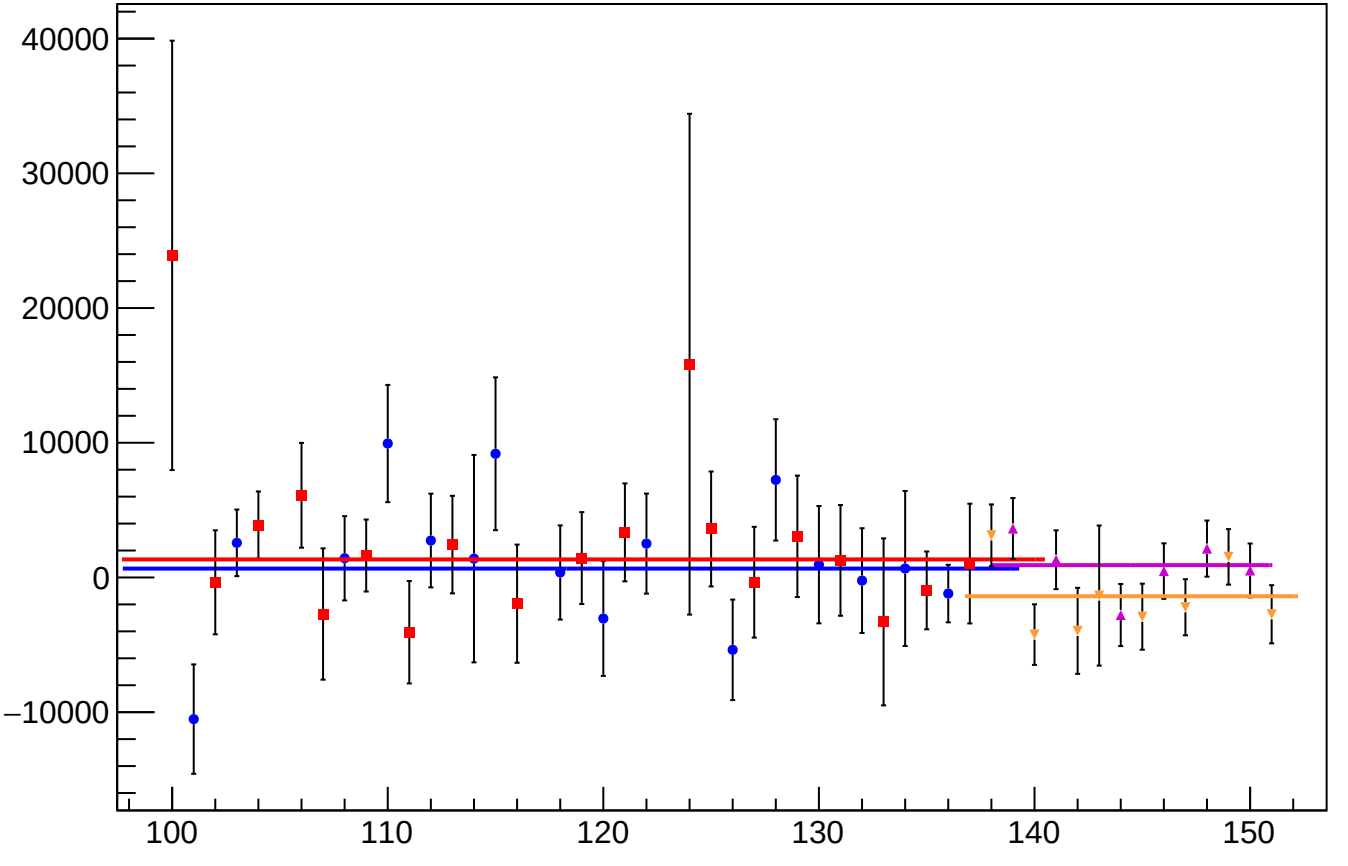
In: 0.941+/-330.045 χ^2/NDF:30.3/21

Out: 102.155+/-315.998 χ^2/NDF:42.9/26

All: 53.748+/-228.249 χ^2/NDF: 73.2/48


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 938.313+/-0.280 χ²/NDF:1122434.9/7
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 924.617+/-0.286 χ²/NDF:19009.9/5
Left: 931.600+/-0.200 χ²/NDF: 1142615.3/13
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1094.267+/-0.233 χ²/NDF:2839042.9/21
Out: 1072.615+/-0.223 χ²/NDF:3936429.4/26
All: 1082.971+/-0.161 χ²/NDF: 6779963.1/48

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1392.469+/-854.658 χ^2/NDF:9.1/7

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 914.785+/-873.957 χ^2/NDF:4.5/5

Left: -264.597+/-611.043 χ^2/NDF: 17.1/13

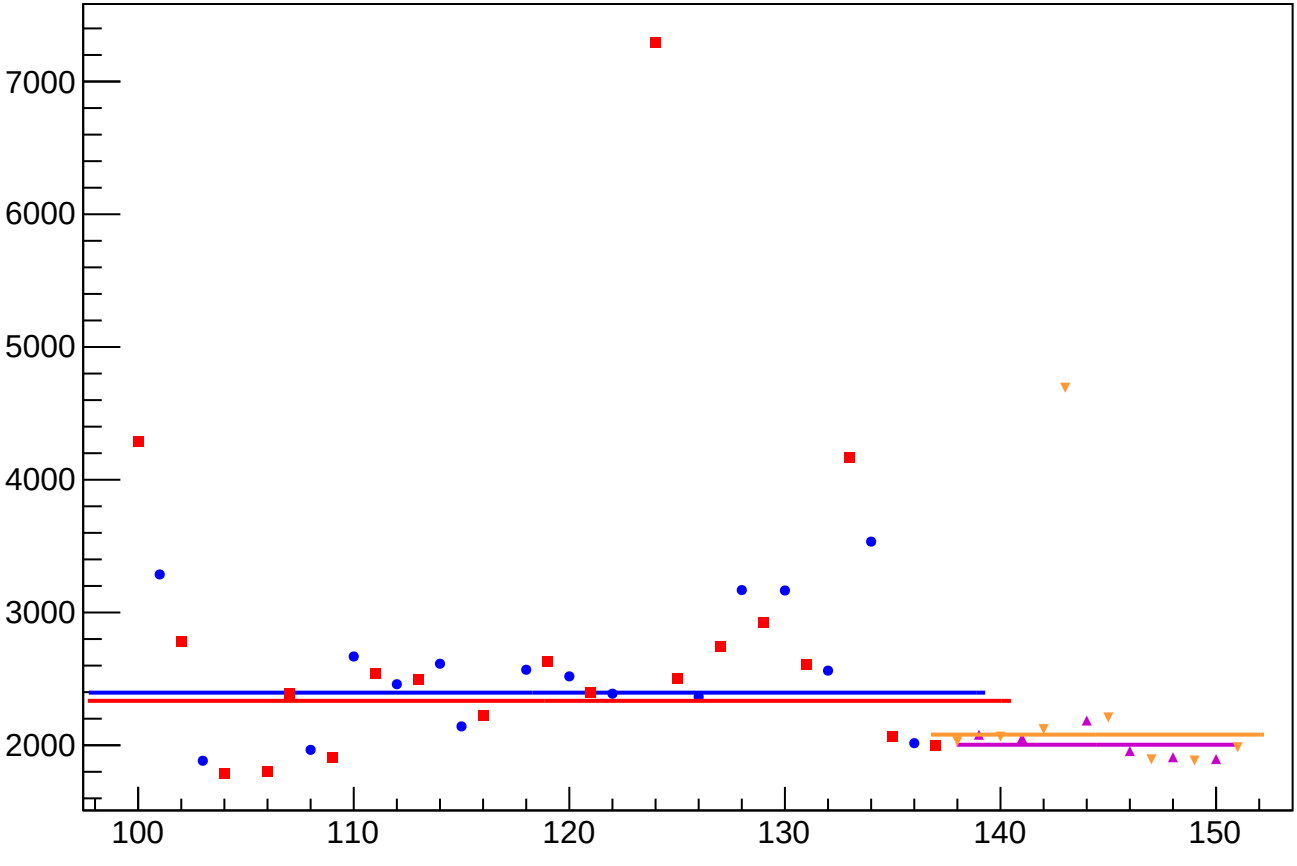
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 792.218+/-630.195 χ^2/NDF:26.5/21

Out: -81.488+/-616.642 χ^2/NDF:24.8/26

All: 345.869+/-440.745 χ^2/NDF: 52.3/48

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2080.021+/-0.604 χ^2/NDF:549749.9/7

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2003.800+/-0.618 χ^2/NDF:26770.1/5

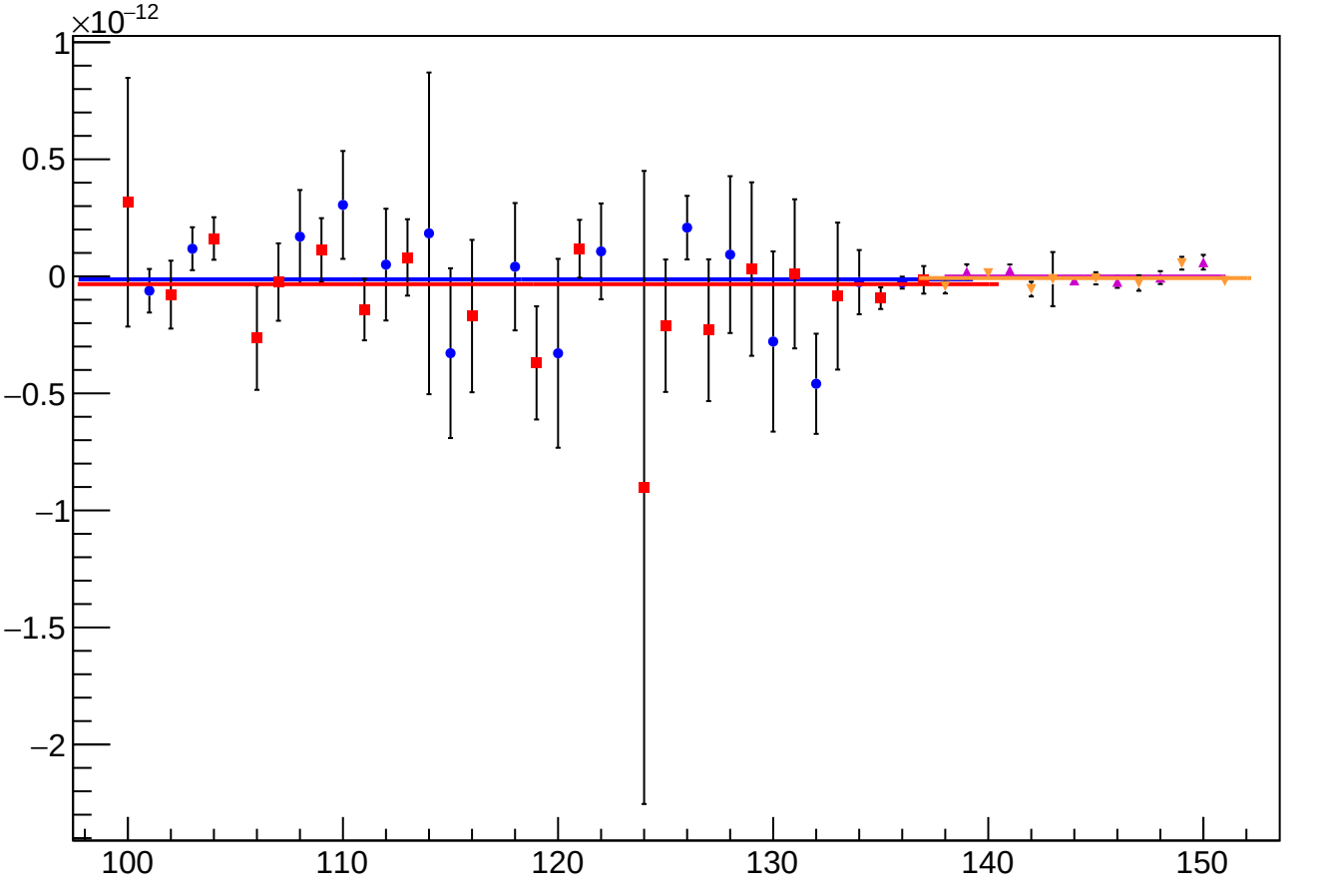
Left: 2042.761+/-0.432 χ^2/NDF: 584295.9/13

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2192.204+/-0.446 χ^2/NDF:728288.9/21

Out: 2202.071+/-0.436 χ^2/NDF:1316391.5/26

All: 2197.245+/-0.312 χ^2/NDF: 2044930.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/5

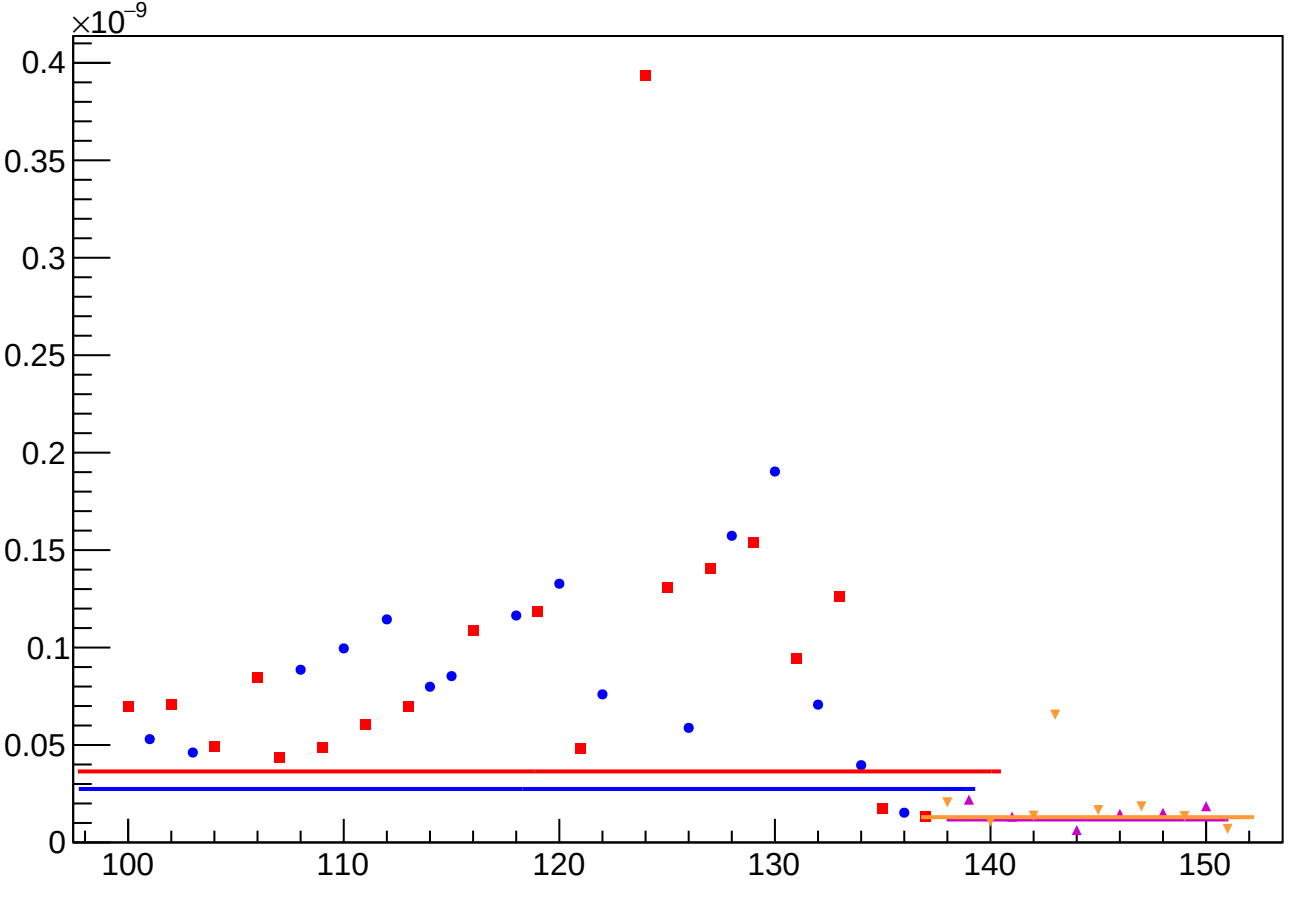
Left: -0.000+/-0.000 χ^2/NDF: 18.9/13

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:22.7/21

Out: -0.000+/-0.000 χ^2/NDF:26.9/26

All: -0.000+/-0.000 χ^2/NDF: 50.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:866768.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:670079.3/5

Left: 0.000+/-0.000 χ^2/NDF: 1553415.5/13

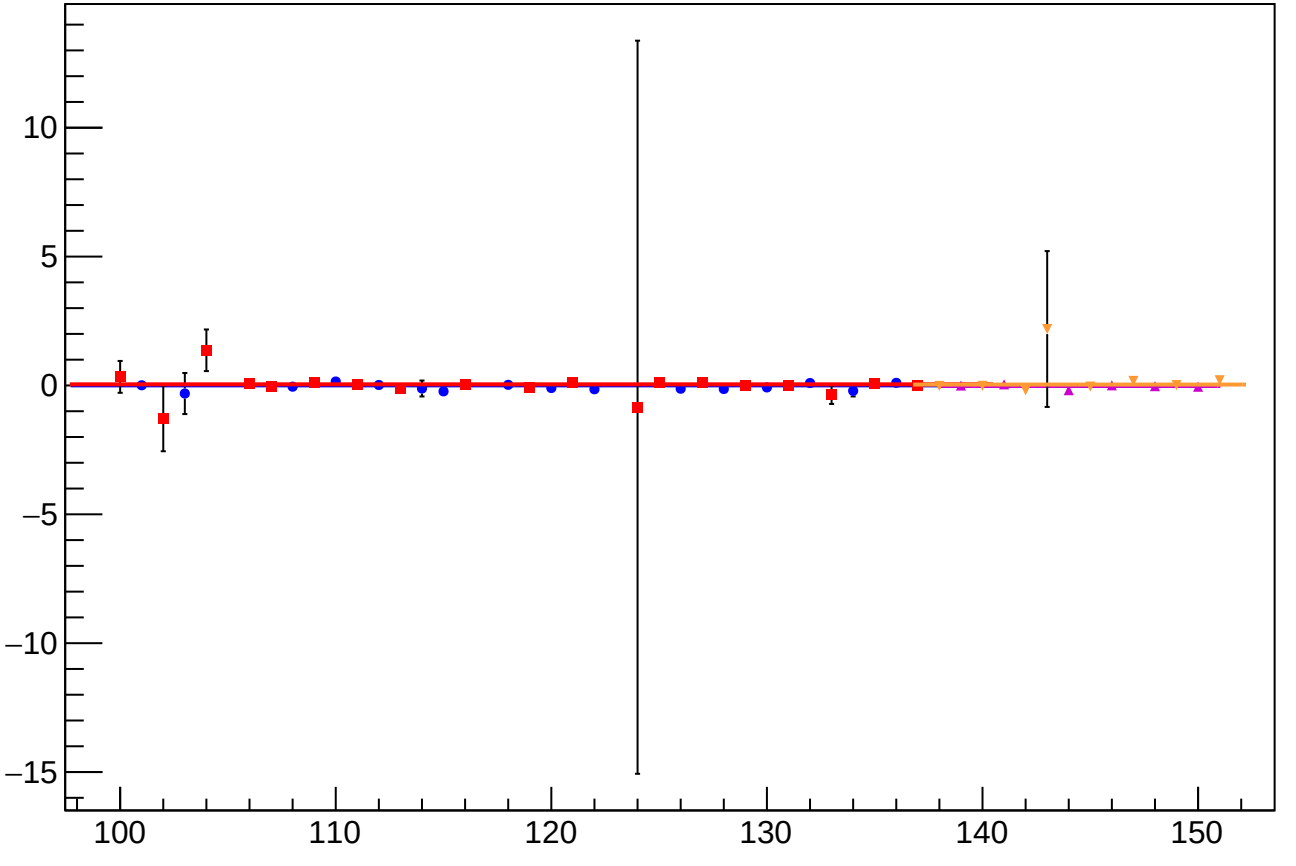
Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4247906.2/21

Out: 0.000+/-0.000 χ^2/NDF:4575407.5/26

All: 0.000+/-0.000 χ^2/NDF: 8843280.6/48

asym_at2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.021+/-0.028 χ^2/NDF:3.1/5

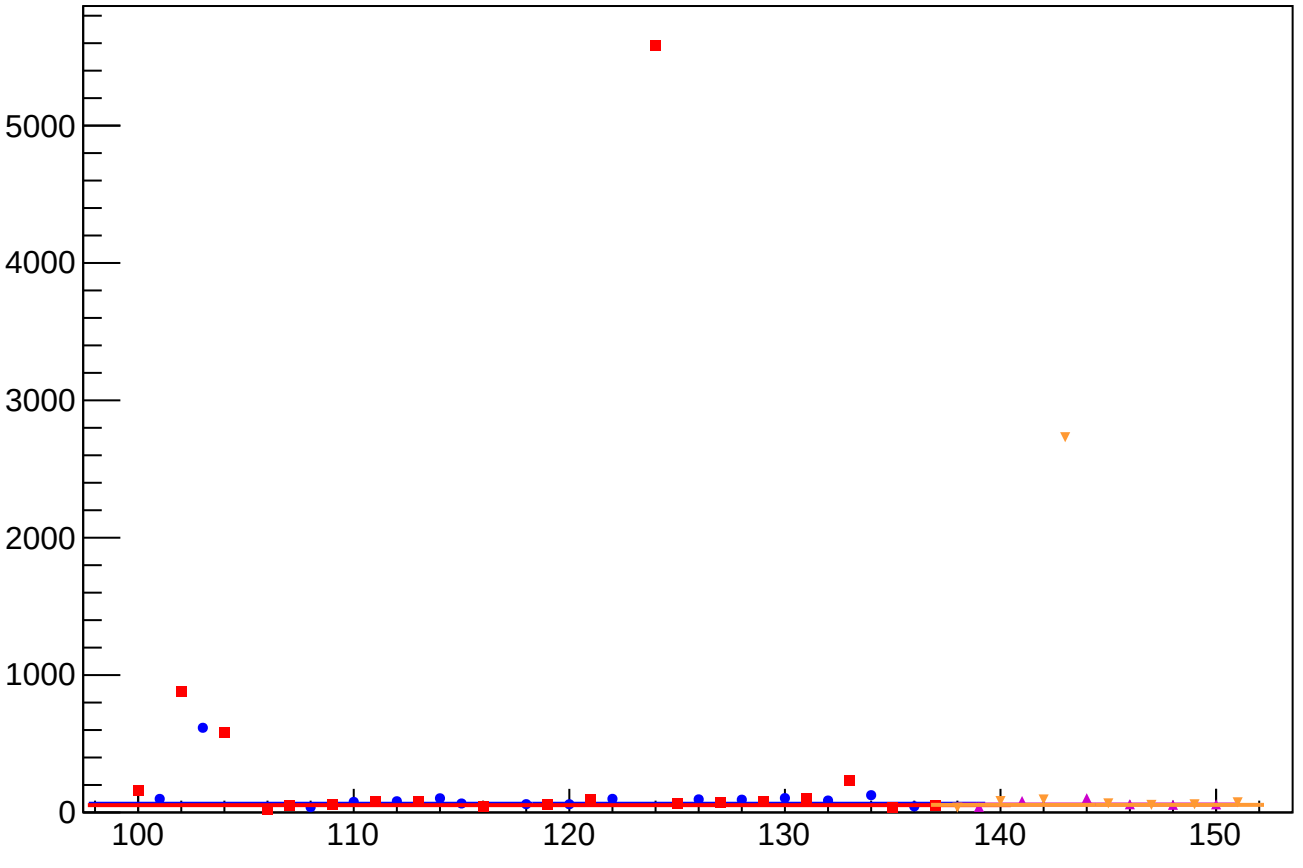
Left: 0.009+/-0.019 χ^2/NDF: 19.6/13

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.009+/-0.019 χ^2/NDF:16.7/21

Out: 0.039+/-0.018 χ^2/NDF:27.2/26

All: 0.017+/-0.013 χ^2/NDF: 47.2/48



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.253+/-0.019 χ^2/NDF:2452878.1/7

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.731+/-0.020 χ^2/NDF:728386.6/5

Left: 56.423+/-0.014 χ^2/NDF: 3189603.6/13

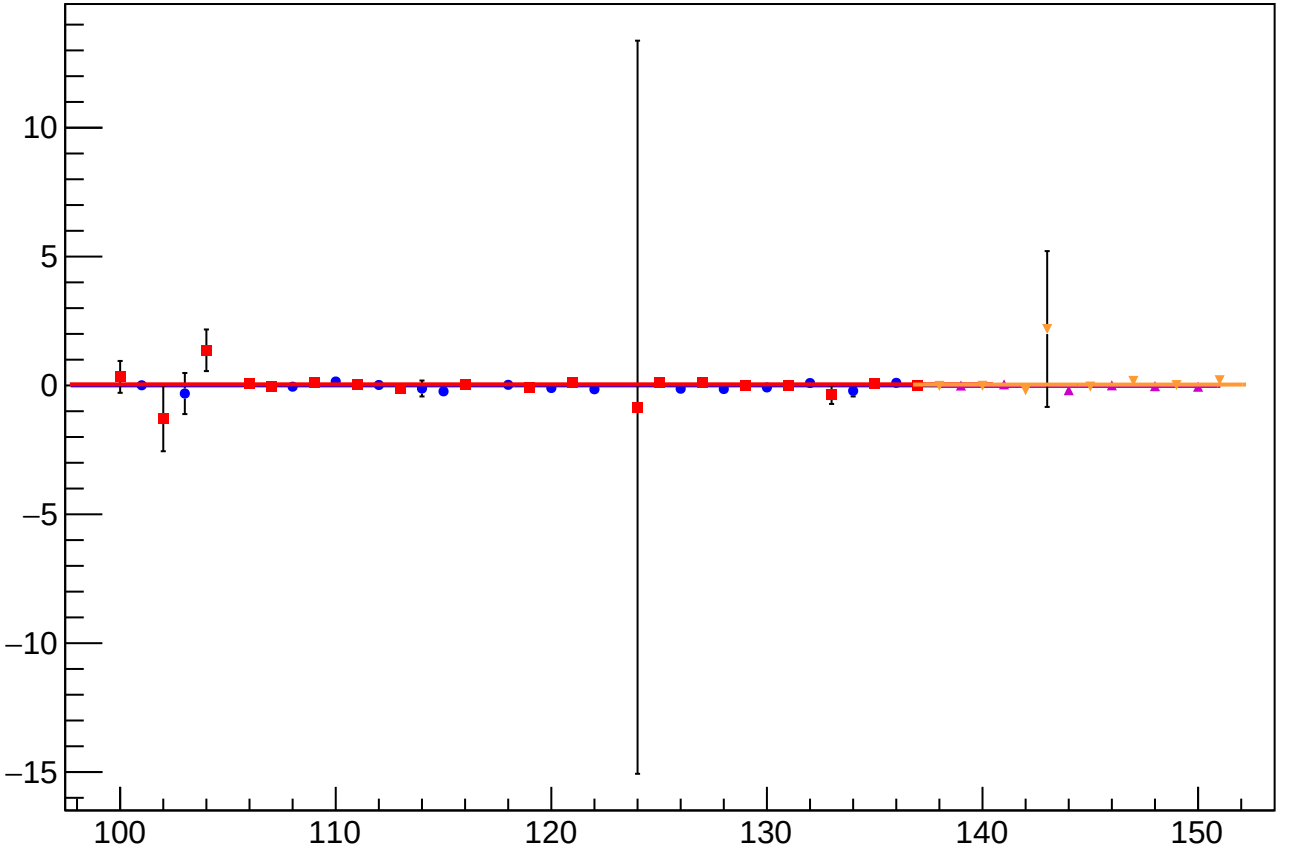
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 60.662+/-0.014 χ^2/NDF:3216786.5/21

Out: 54.168+/-0.013 χ^2/NDF:6405041.4/26

All: 57.175+/-0.009 χ^2/NDF: 9741259.7/48

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: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.021+/-0.028 χ^2/NDF:3.1/5

Left: 0.009+/-0.019 χ^2/NDF: 19.6/13

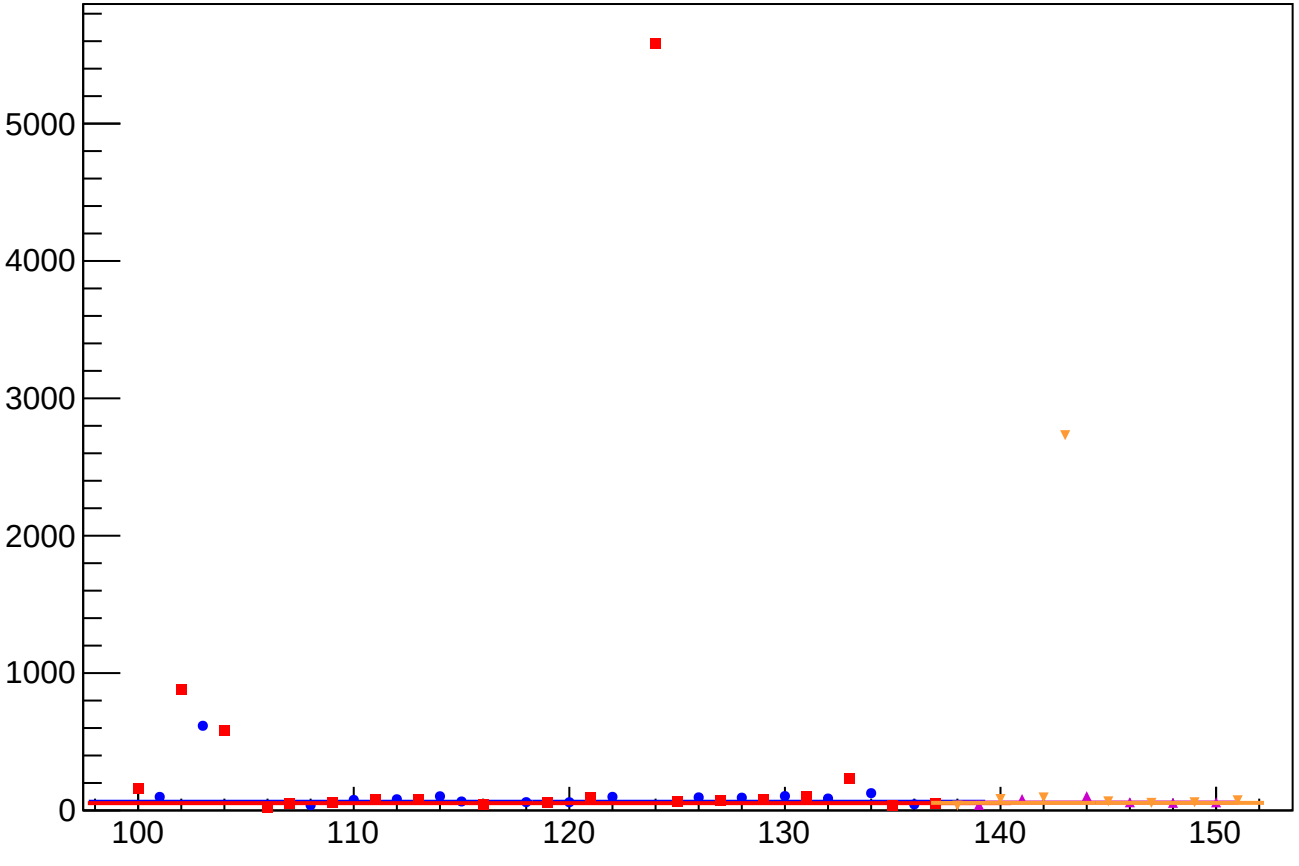
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.009+/-0.019 χ^2/NDF:16.7/21

Out: 0.039+/-0.018 χ^2/NDF:27.2/26

All: 0.017+/-0.013 χ^2/NDF: 47.2/48

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.253+/-0.019 χ^2/NDF:2452878.1/7

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.731+/-0.020 χ^2/NDF:728386.6/5

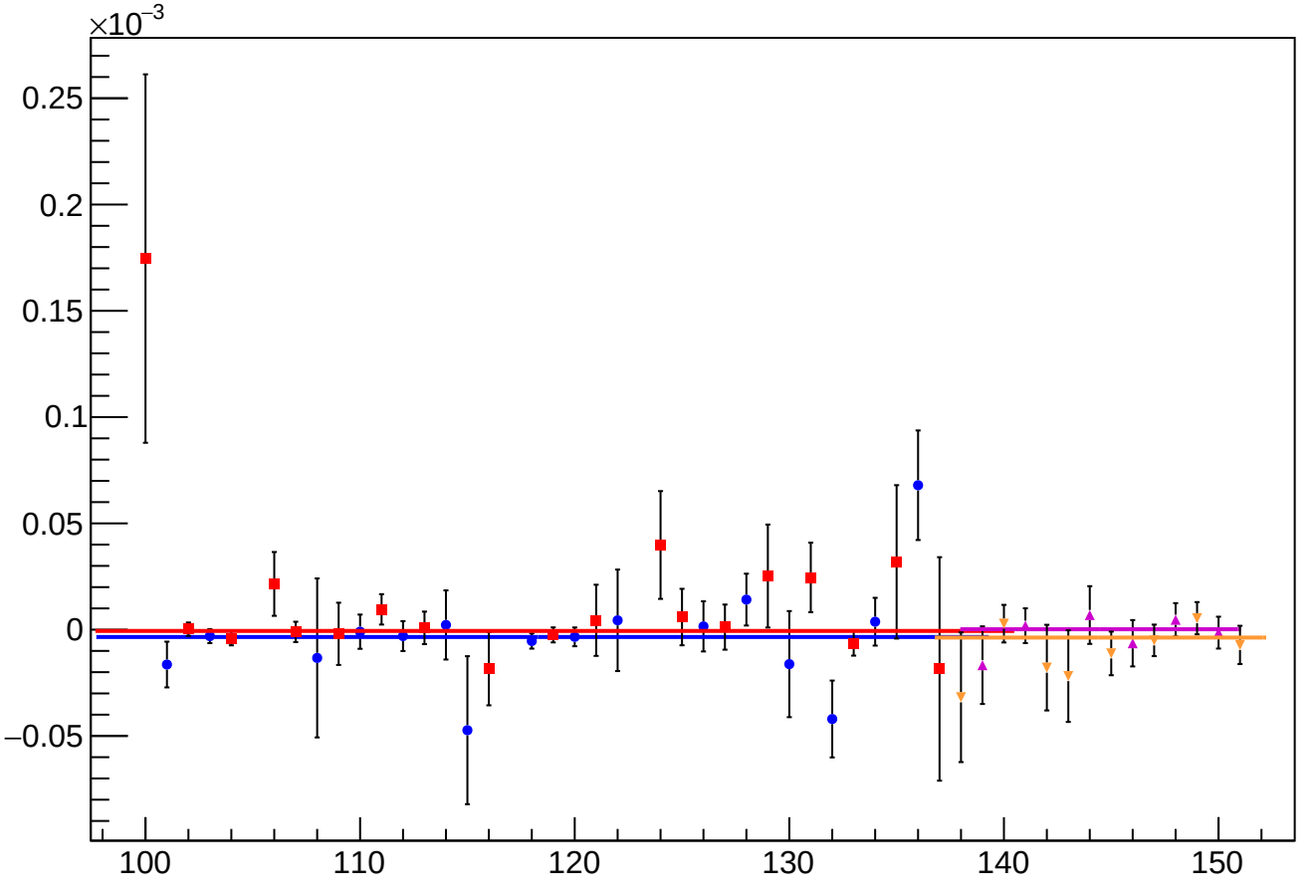
Left: 56.423+/-0.014 χ^2/NDF: 3189603.6/13

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 60.662+/-0.014 χ^2/NDF:3216786.5/21

Out: 54.168+/-0.013 χ^2/NDF:6405041.4/26

All: 57.175+/-0.009 χ^2/NDF: 9741259.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.9/5

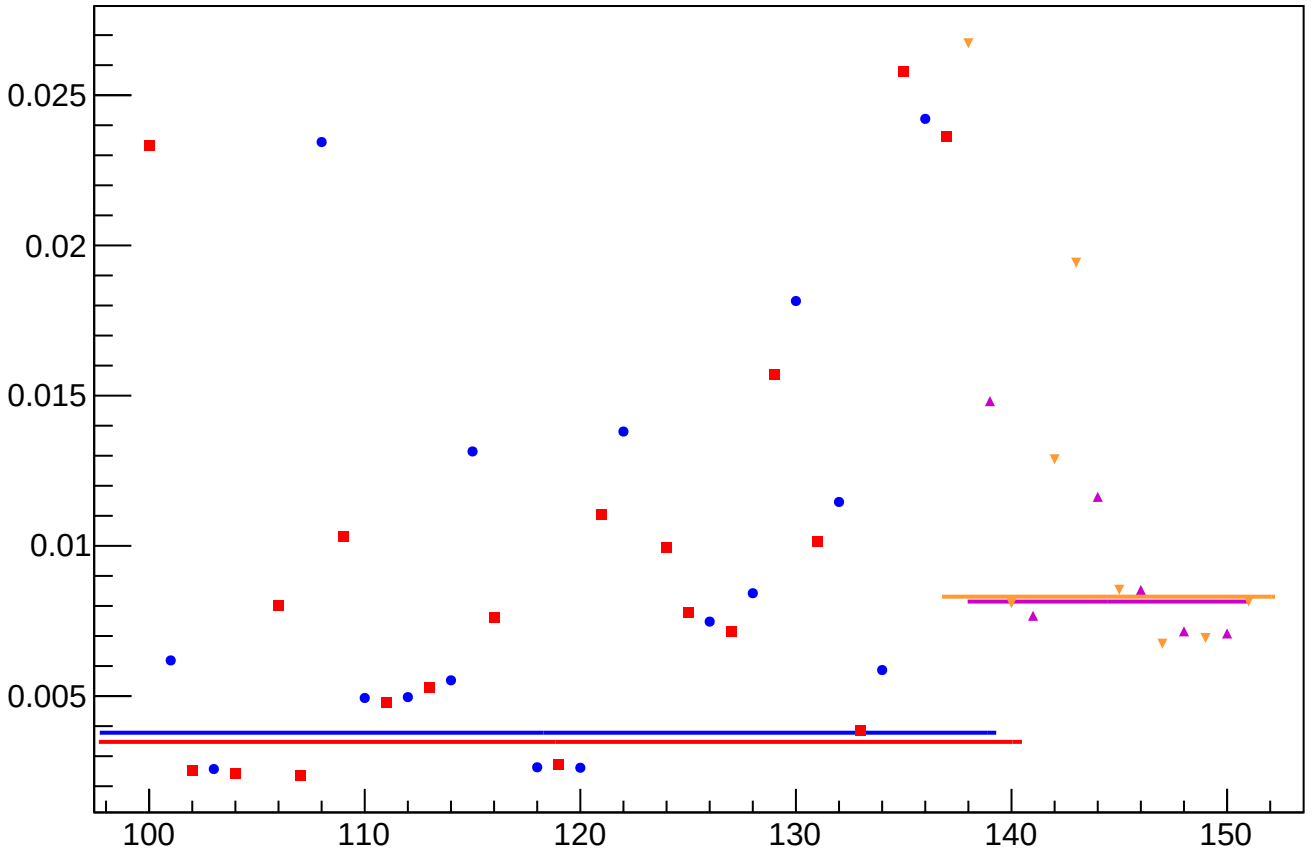
Left: -0.000+/-0.000 χ^2/NDF: 7.2/13

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:21.5/21

Out: -0.000+/-0.000 χ^2/NDF:24.5/26

All: -0.000+/-0.000 χ^2/NDF: 46.6/48



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:1520648.8/7

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:480214.6/5

Left: 0.008+/-0.000 χ^2/NDF: 2002749.7/13

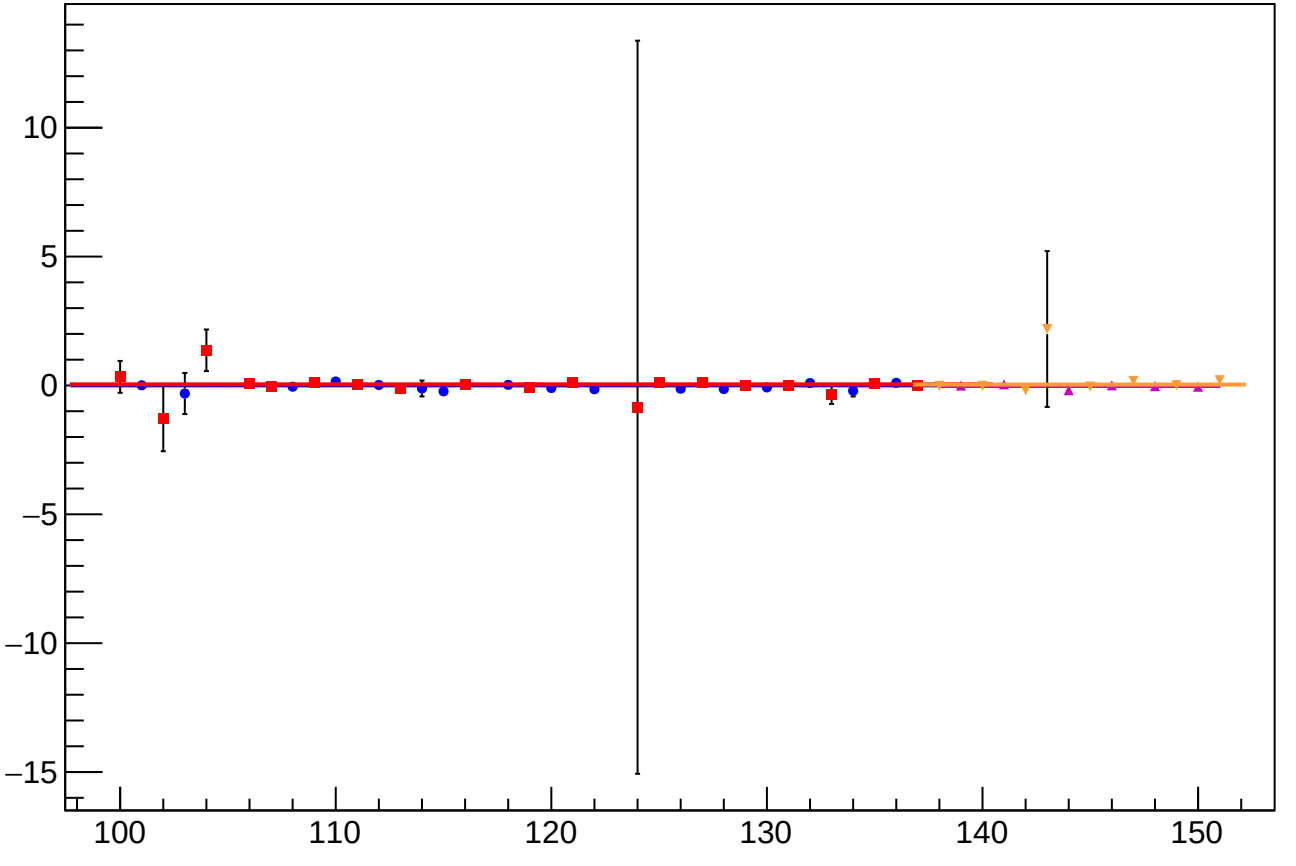
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:7260163.3/21

Out: 0.004+/-0.000 χ^2/NDF:9015611.9/26

All: 0.004+/-0.000 χ^2/NDF: 16327850.6/48

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: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.021+/-0.028 χ^2/NDF:3.1/5

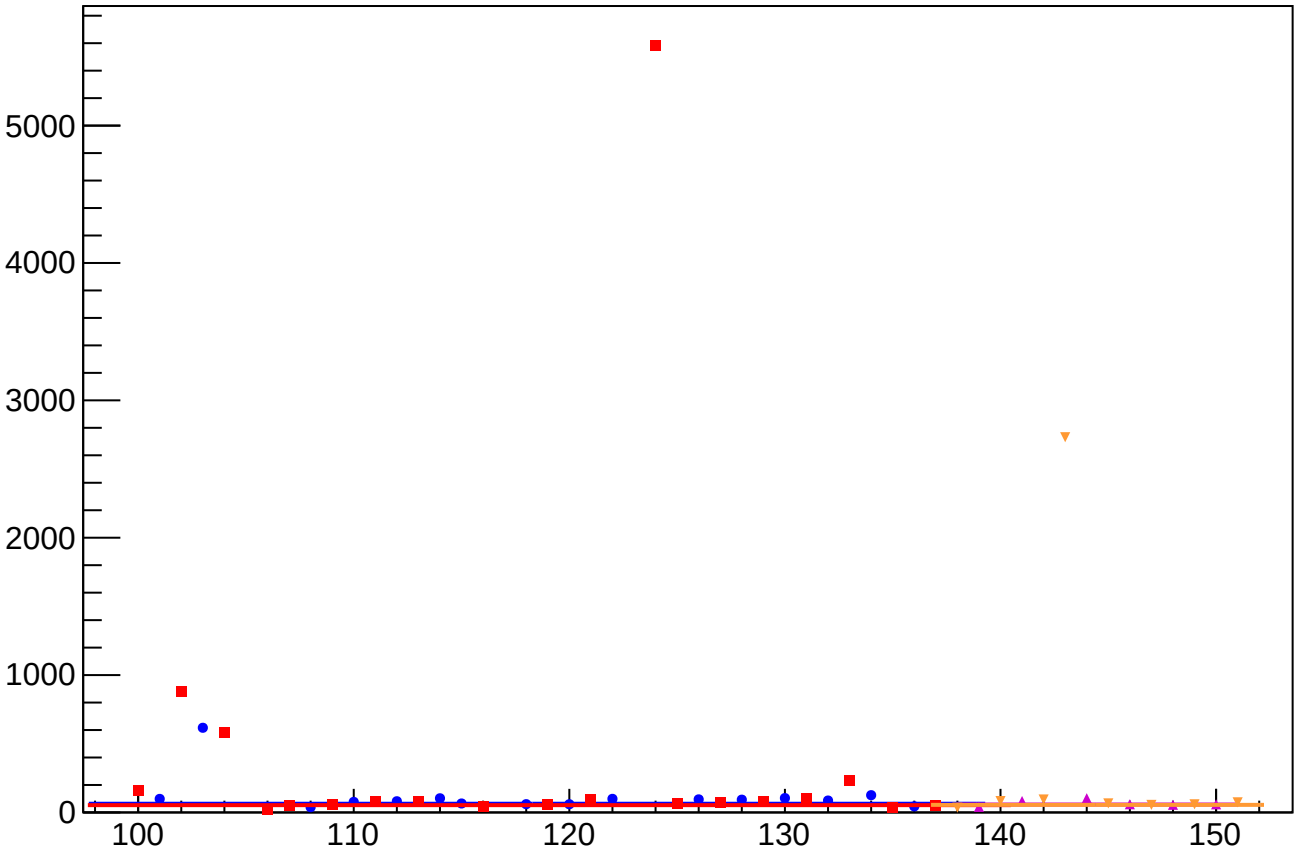
Left: 0.009+/-0.019 χ^2/NDF: 19.6/13

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.008+/-0.019 χ^2/NDF:16.7/21

Out: 0.039+/-0.018 χ^2/NDF:27.2/26

All: 0.017+/-0.013 χ^2/NDF: 47.2/48



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.251+/-0.019 χ^2/NDF:2452812.1/7

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.735+/-0.020 χ^2/NDF:728040.2/5

Left: 56.424+/-0.014 χ^2/NDF: 3189228.0/13

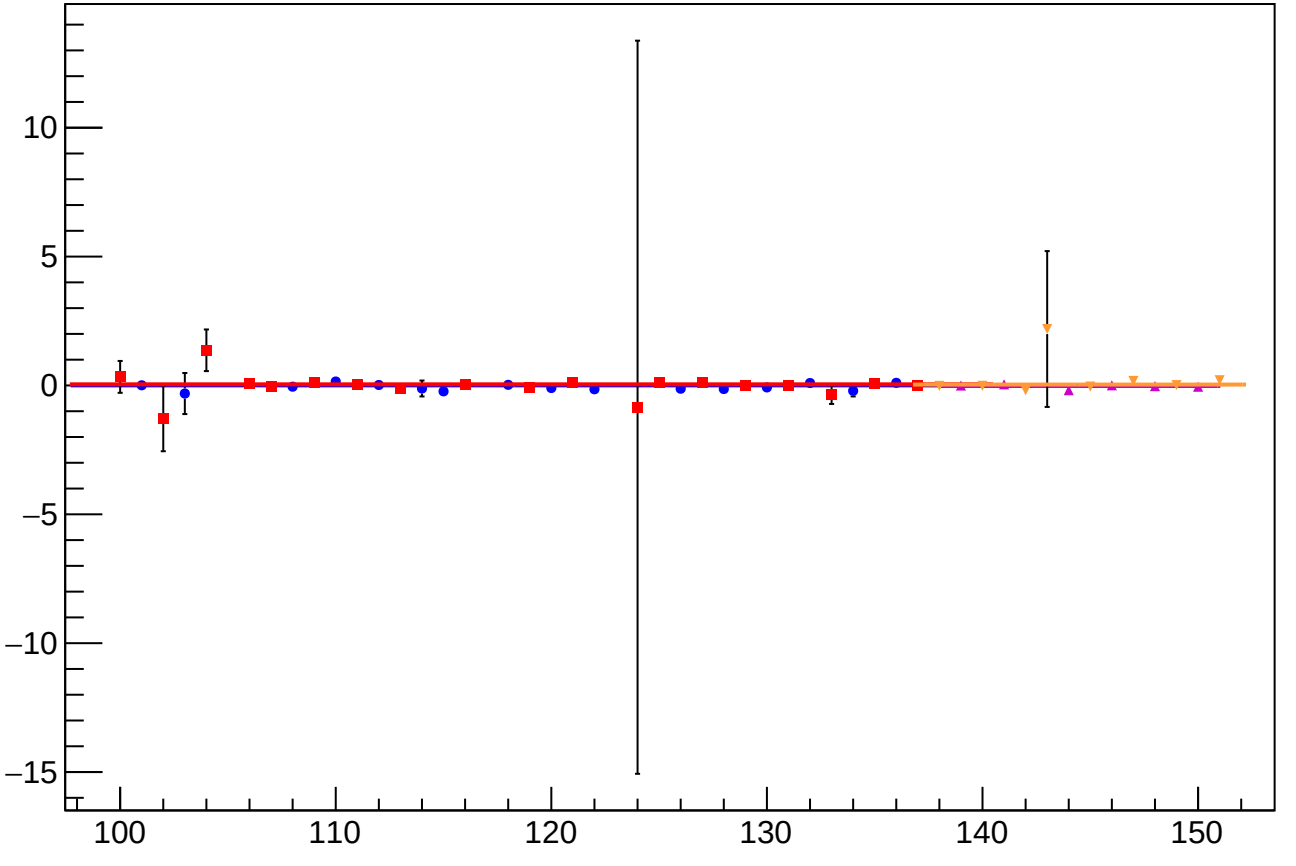
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 60.668+/-0.014 χ^2/NDF:3215622.2/21

Out: 54.165+/-0.013 χ^2/NDF:6405543.3/26

All: 57.175+/-0.009 χ^2/NDF: 9740952.0/48

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: 0.035+/-0.026 χ^2/NDF:14.5/7

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.021+/-0.028 χ^2/NDF:3.1/5

Left: 0.009+/-0.019 χ^2/NDF: 19.6/13

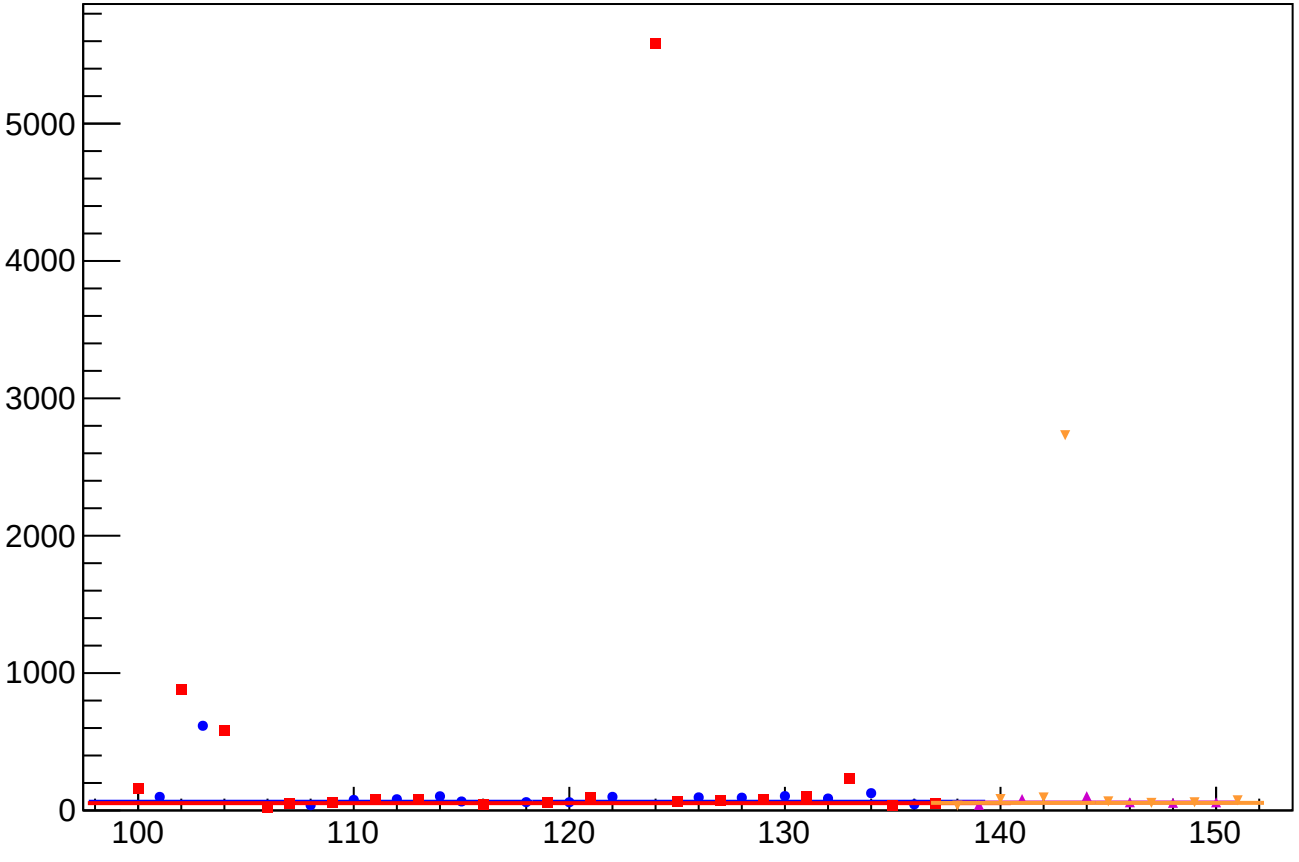
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.008+/-0.019 χ^2/NDF:16.7/21

Out: 0.039+/-0.018 χ^2/NDF:27.2/26

All: 0.017+/-0.013 χ^2/NDF: 47.2/48

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: 55.251+/-0.019 χ^2/NDF:2452812.1/7

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.735+/-0.020 χ^2/NDF:728040.2/5

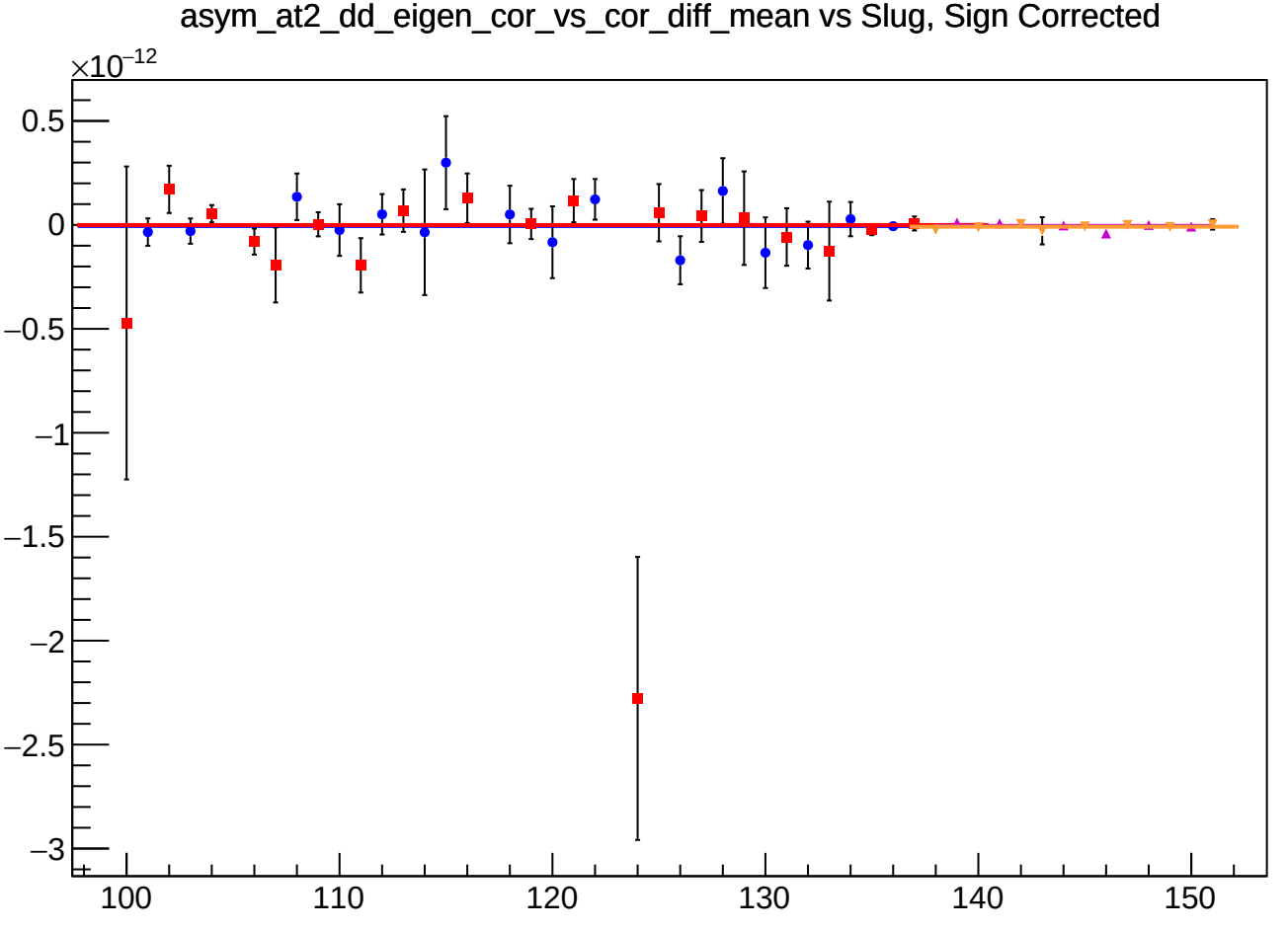
Left: 56.424+/-0.014 χ^2/NDF: 3189228.0/13

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 60.668+/-0.014 χ^2/NDF:3215622.2/21

Out: 54.165+/-0.013 χ^2/NDF:6405543.3/26

All: 57.175+/-0.009 χ^2/NDF: 9740952.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/5

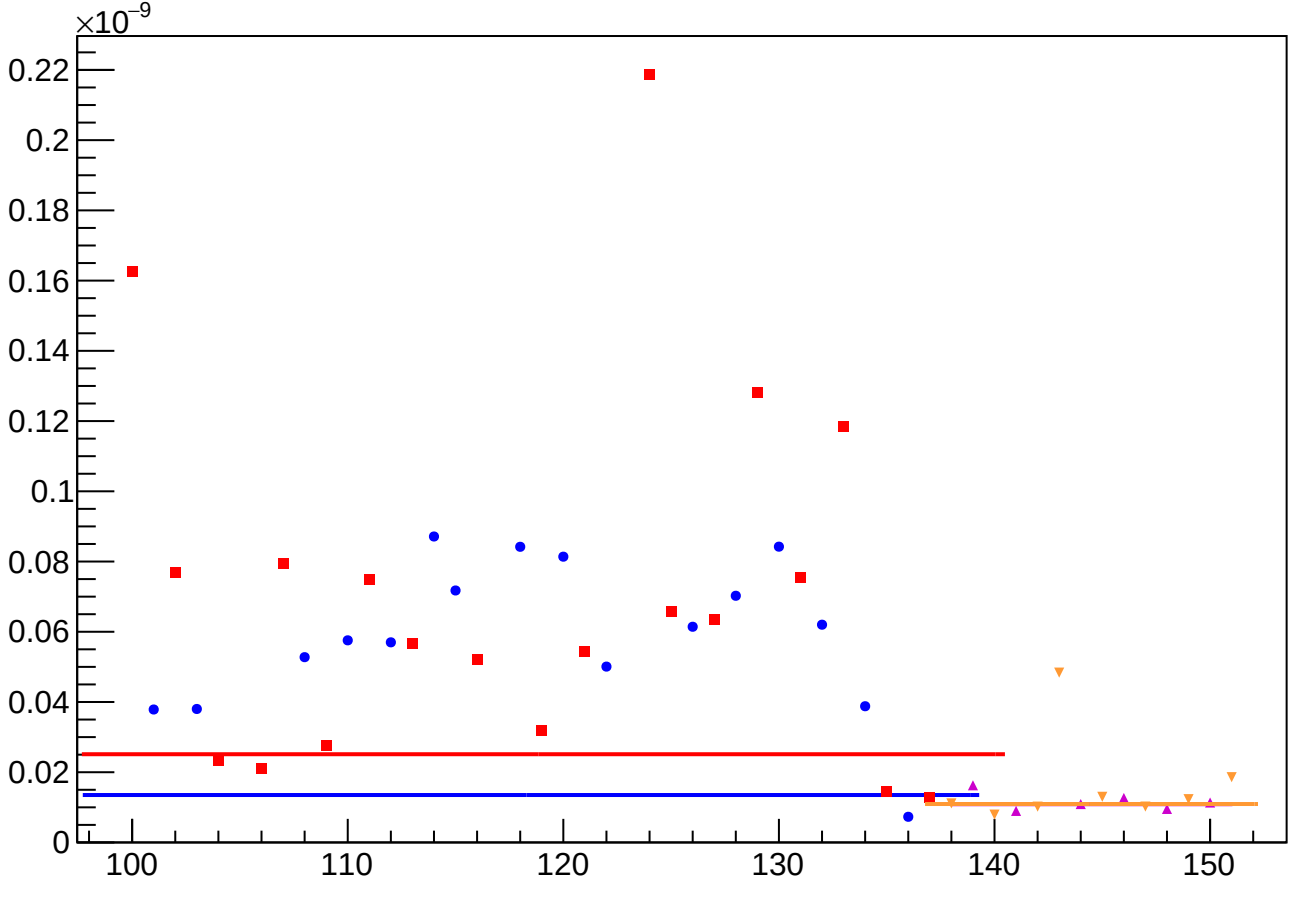
Left: -0.000+/-0.000 χ^2/NDF: 9.3/13

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.8/21

Out: -0.000+/-0.000 χ^2/NDF:27.5/26

All: -0.000+/-0.000 χ^2/NDF: 45.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1063942.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:215975.0/5

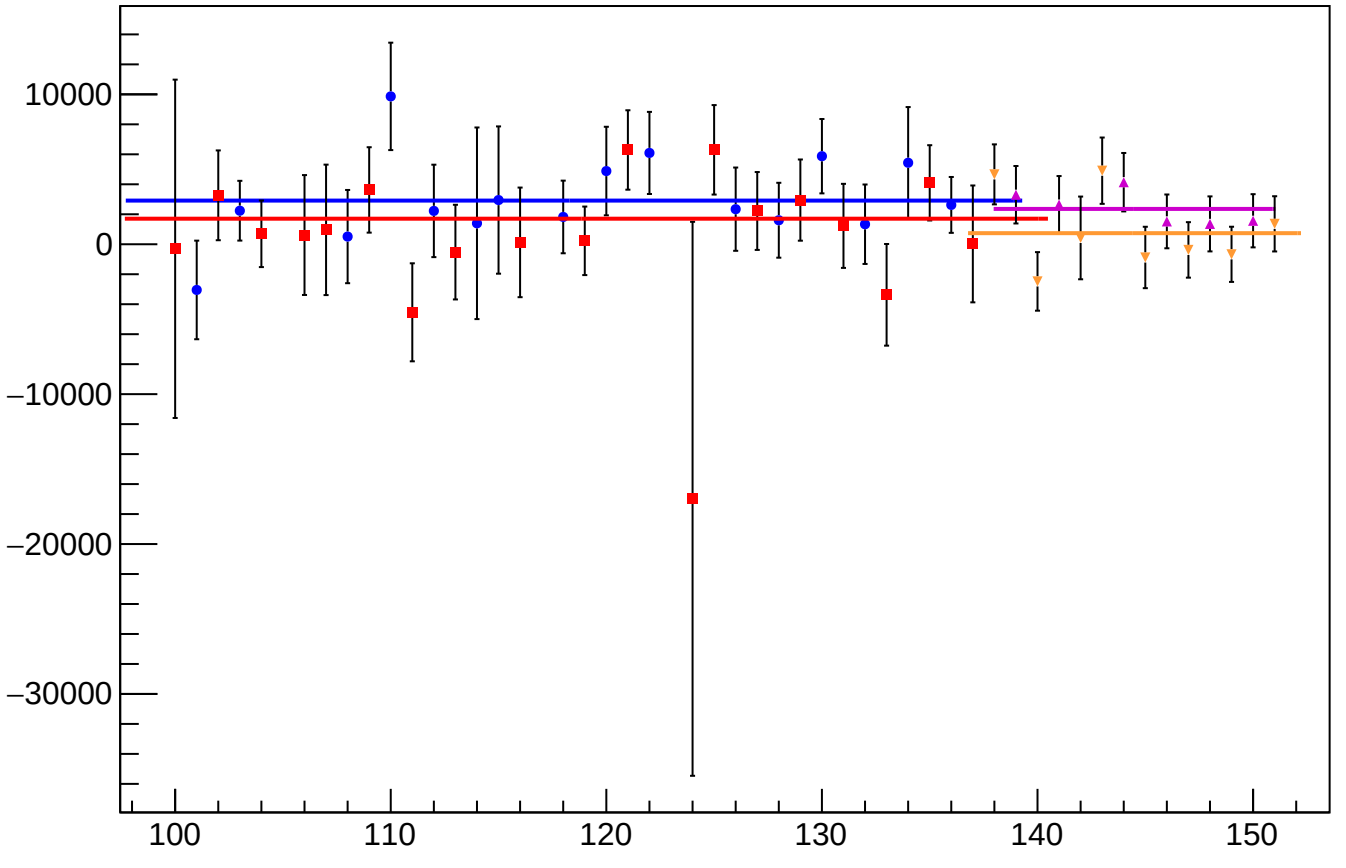
Left: 0.000+/-0.000 χ^2/NDF: 1280017.8/13

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5306478.5/21

Out: 0.000+/-0.000 χ^2/NDF:6193434.9/26

All: 0.000+/-0.000 χ^2/NDF: 11550411.3/48



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 739.429+/-712.889 χ^2/NDF:11.8/7

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2357.193+/-758.852 χ^2/NDF:1.8/5

Left: 1497.837+/-519.578 χ^2/NDF: 16.0/13

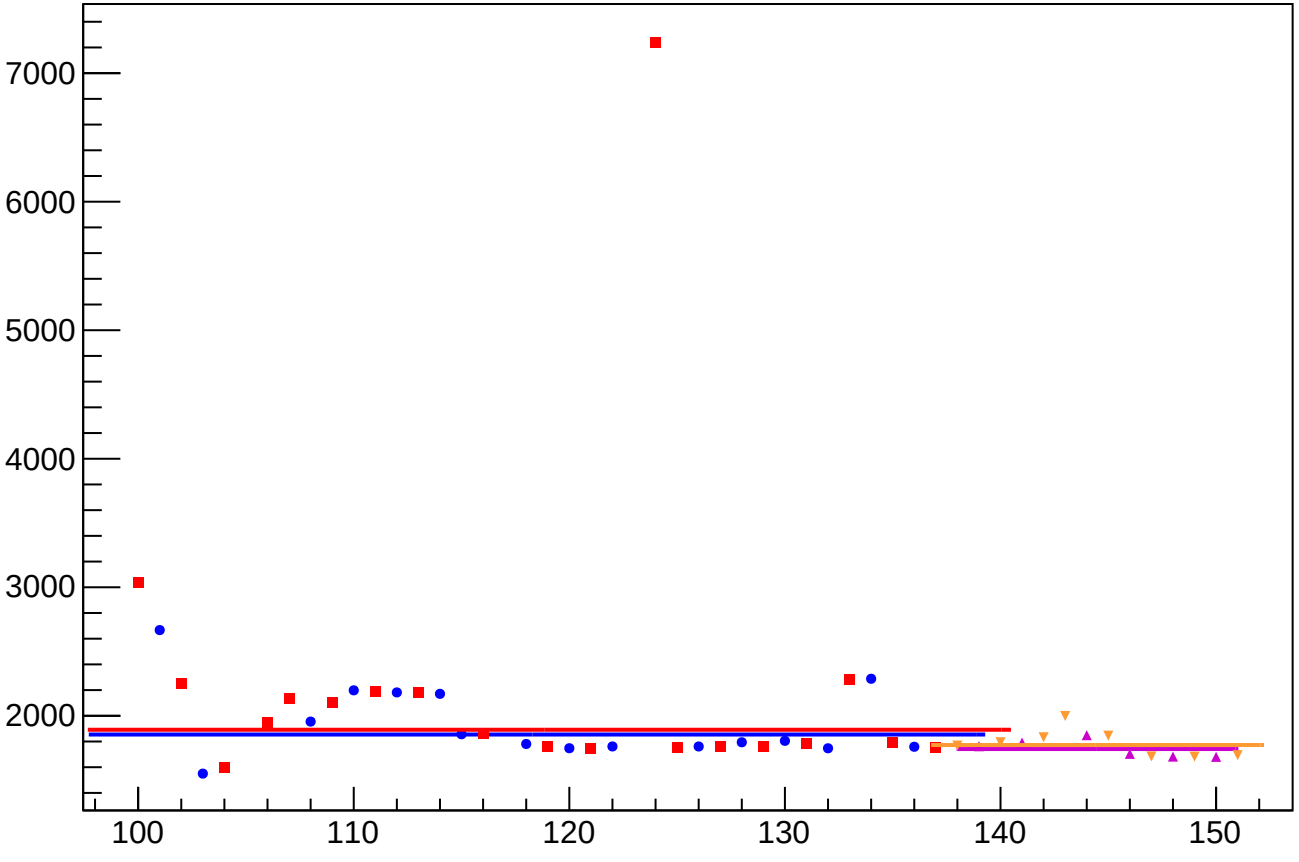
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2659.431+/-512.554 χ^2/NDF:14.6/21

Out: 1226.276+/-501.939 χ^2/NDF:28.6/26

All: 1927.859+/-358.618 χ^2/NDF: 47.1/48

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1772.596+/-0.504 χ^2/NDF:37694.0/7

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1741.385+/-0.537 χ^2/NDF:13029.7/5

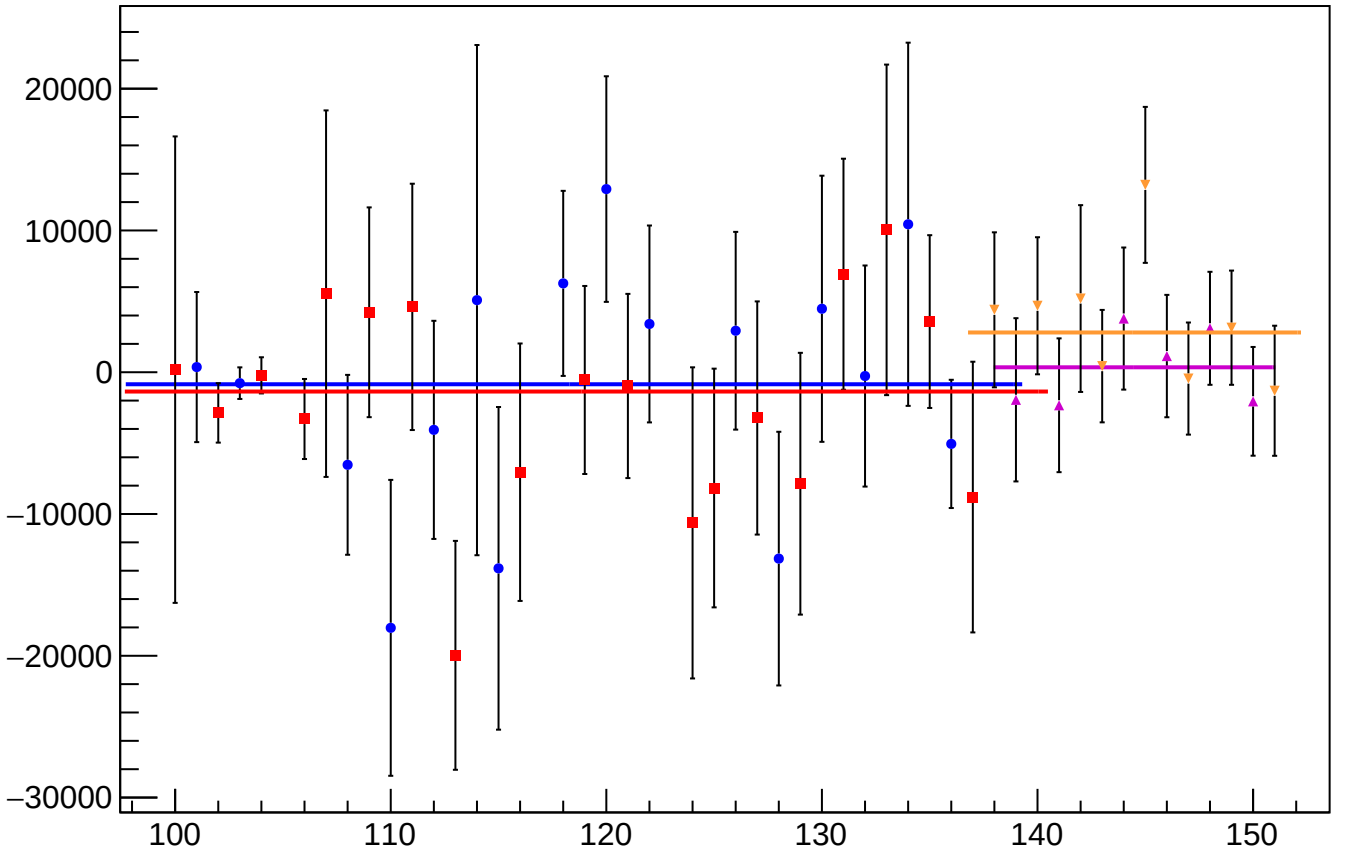
Left: 1757.964+/-0.367 χ^2/NDF: 52520.8/13

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1802.795+/-0.362 χ^2/NDF:300437.8/21

Out: 1832.676+/-0.355 χ^2/NDF:429850.7/26

All: 1818.066+/-0.253 χ^2/NDF: 733762.4/48



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 2803.734+/-1646.101 χ^2/NDF:5.8/7

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 347.777+/-1827.113 χ^2/NDF:1.9/5

Left: 1703.405+/-1222.971 χ^2/NDF: 8.6/13

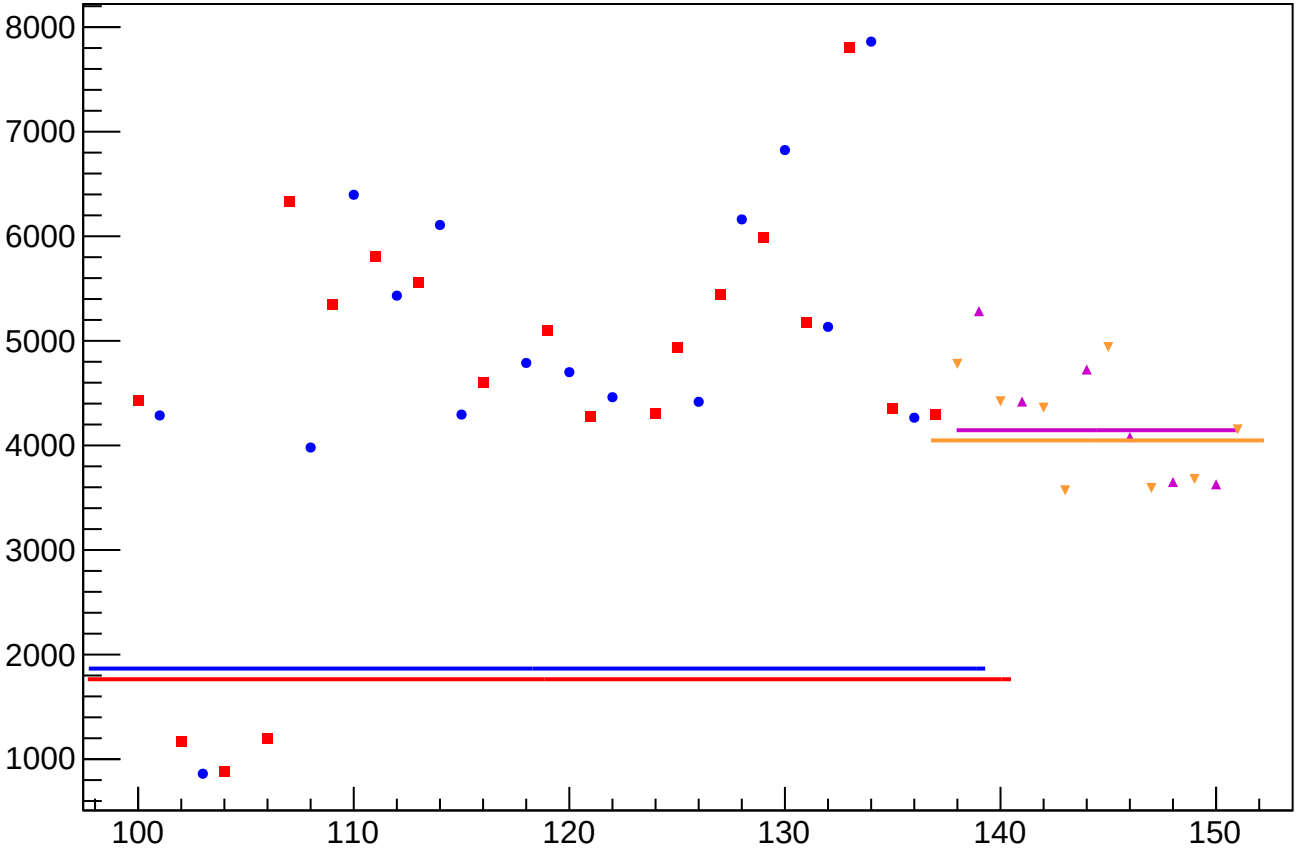
Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -588.053+/-851.859 χ^2/NDF:16.1/21

Out: -376.812+/-800.368 χ^2/NDF:24.7/26

All: -475.856+/-583.300 χ^2/NDF: 40.8/48

asym_atl1r2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4047.837+/-1.164 χ^2/NDF:178341.0/7

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4145.428+/-1.292 χ^2/NDF:179538.8/5

Left: 4091.560+/-0.865 χ^2/NDF: 361029.3/13

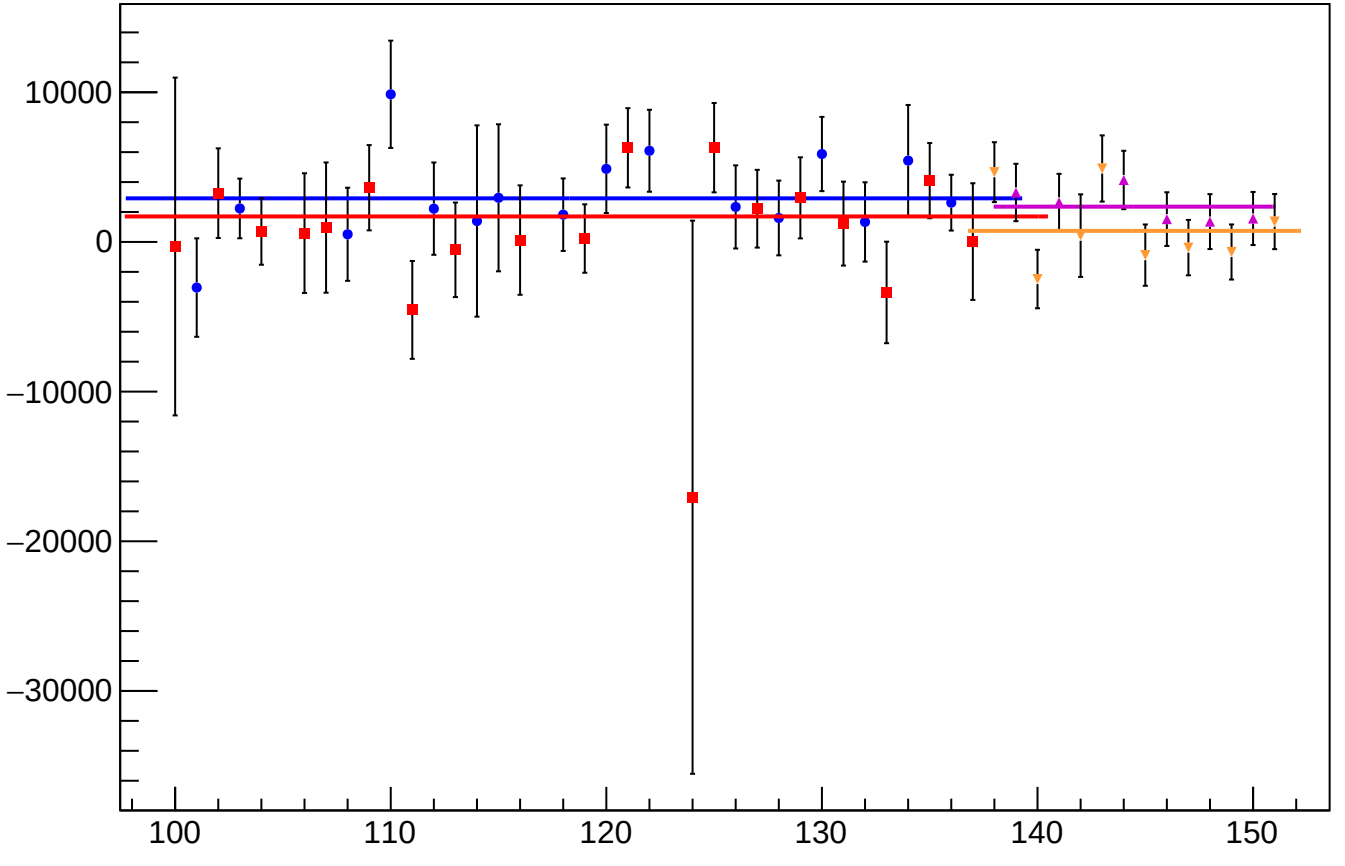
Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2361.801+/-0.602 χ^2/NDF:9464472.0/21

Out: 2304.138+/-0.566 χ^2/NDF:9552153.2/26

All: 2331.174+/-0.412 χ^2/NDF: 19021492.7/4

cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 739.231+/-712.889 χ^2/NDF:11.8/7

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2357.397+/-758.852 χ^2/NDF:1.8/5

Left: 1497.827+/-519.578 χ^2/NDF: 16.0/13

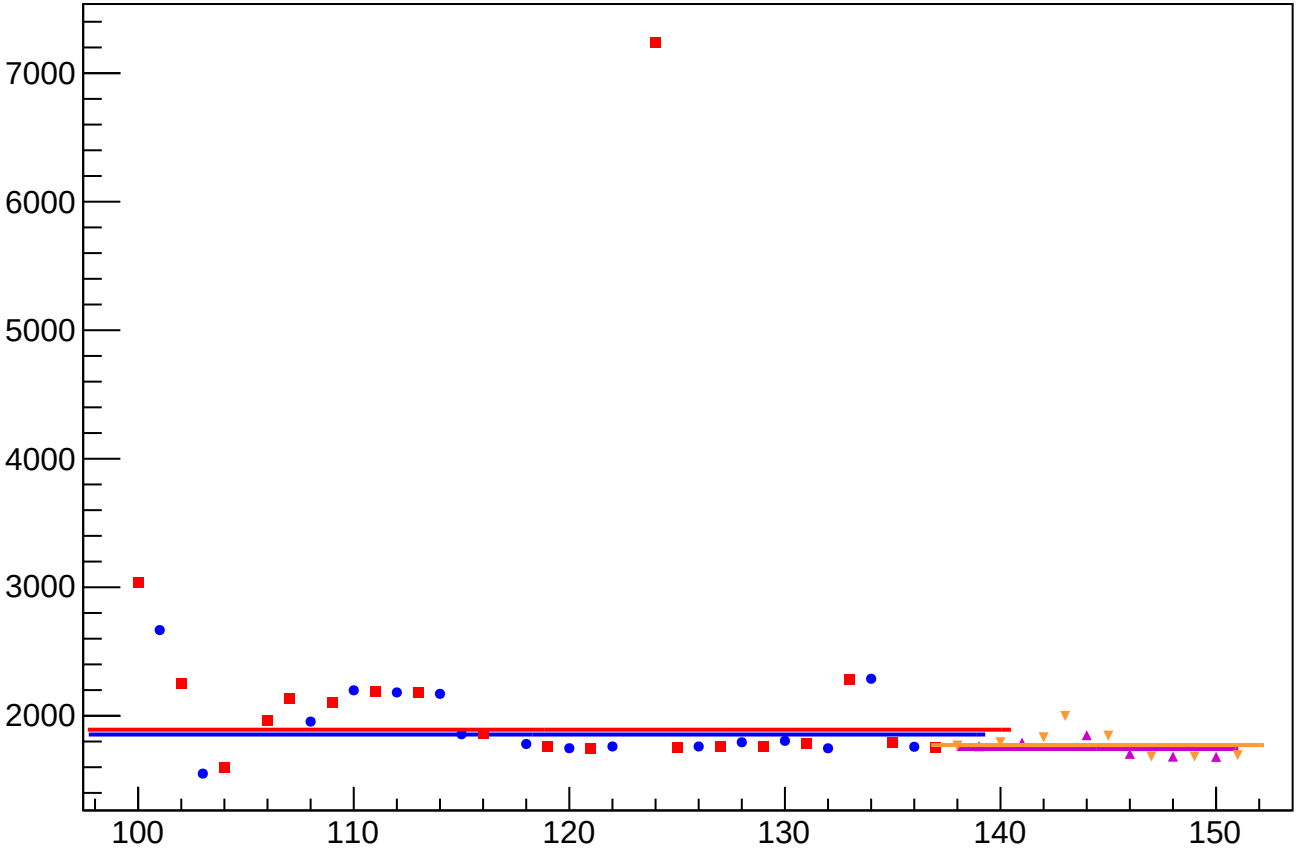
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2659.578+/-512.554 χ^2/NDF:14.6/21

Out: 1225.481+/-501.939 χ^2/NDF:28.6/26

All: 1927.526+/-358.618 χ^2/NDF: 47.1/48

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1772.596+/-0.504 χ^2/NDF:37694.0/7

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1741.385+/-0.537 χ^2/NDF:13029.7/5

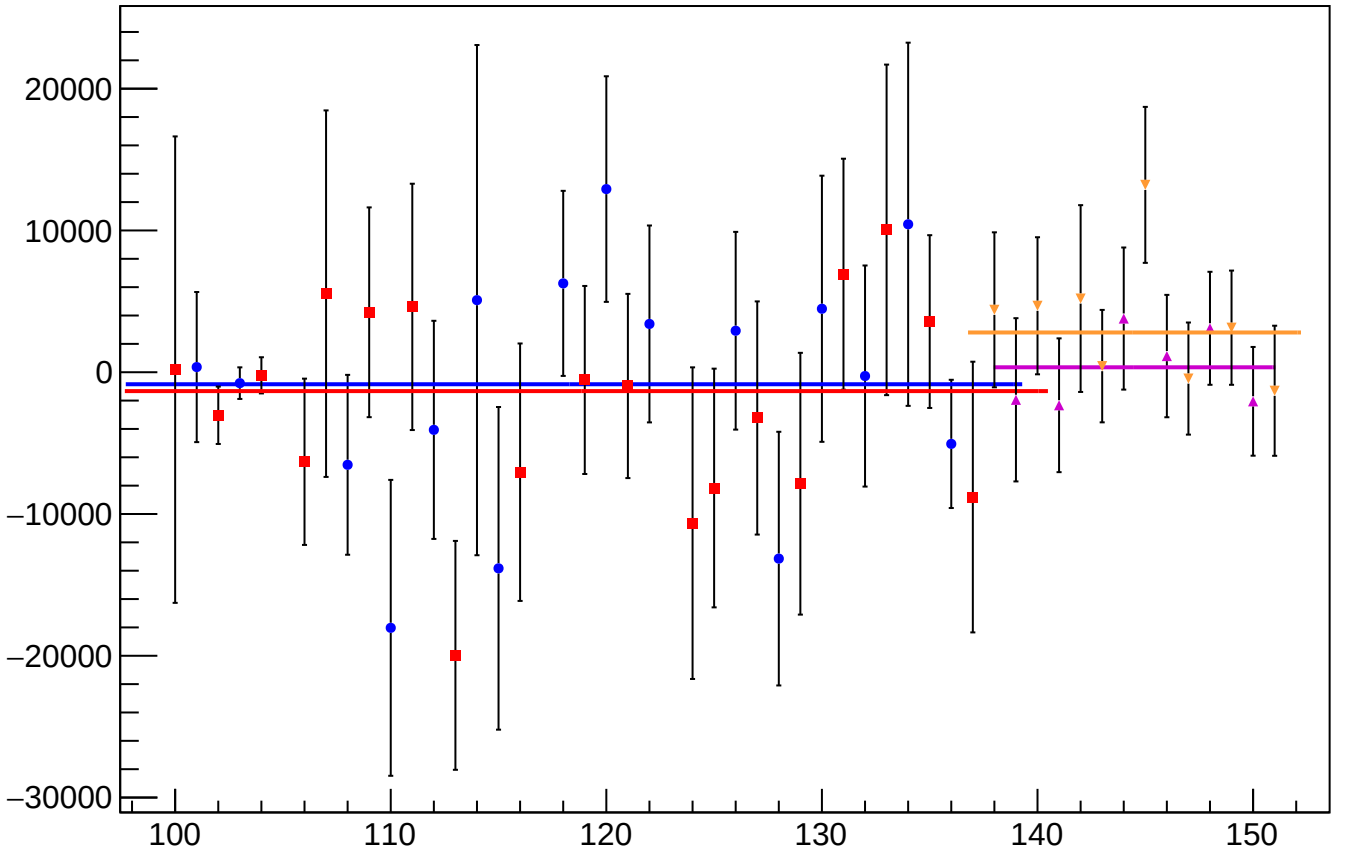
Left: 1757.964+/-0.367 χ^2/NDF: 52520.8/13

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1802.795+/-0.362 χ^2/NDF:300437.6/21

Out: 1832.894+/-0.355 χ^2/NDF:430303.0/26

All: 1818.175+/-0.253 χ^2/NDF: 734265.1/48



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2803.613+/-1646.097 χ^2/NDF:5.8/7

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 347.962+/-1827.111 χ^2/NDF:1.9/5

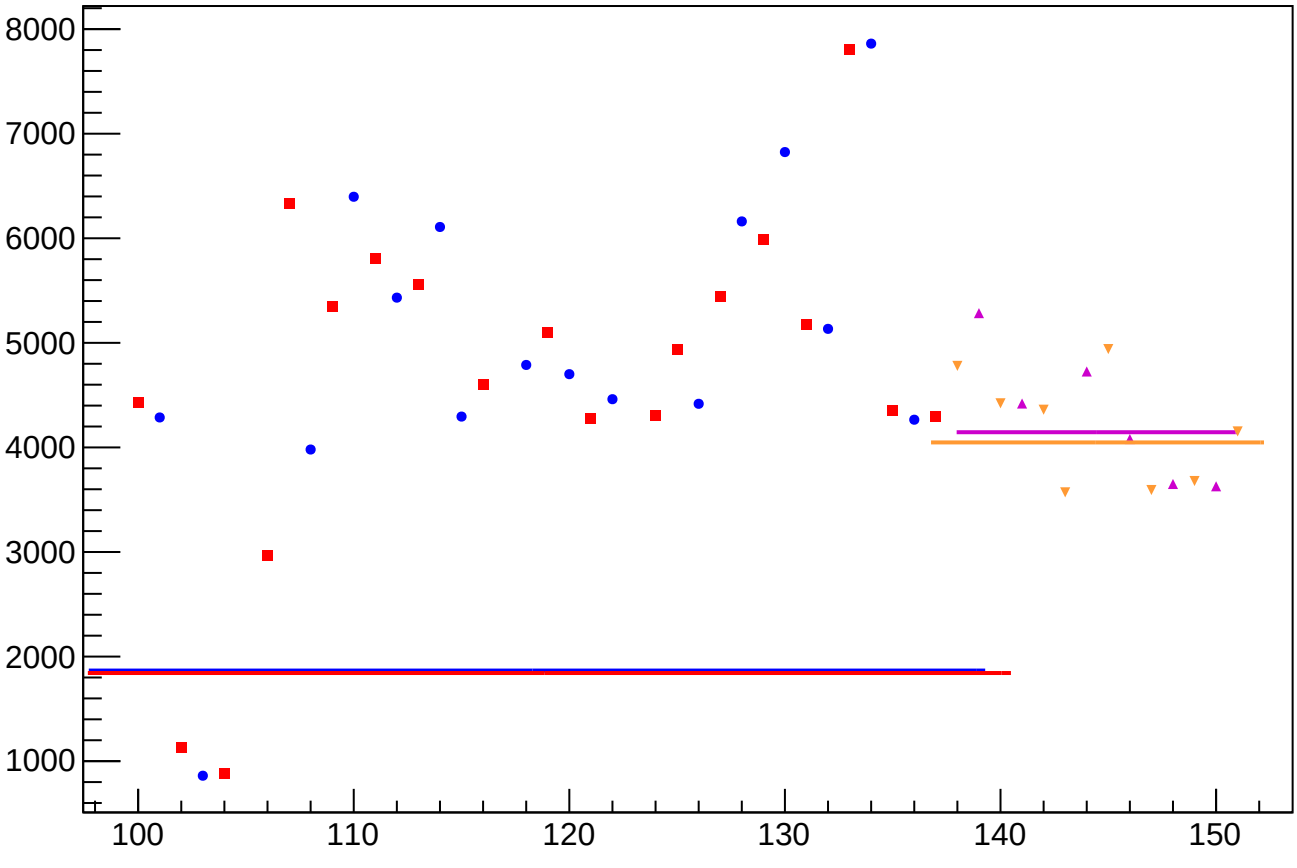
Left: 1703.423+/-1222.970 χ^2/NDF: 8.6/13

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -587.664+/-851.822 χ^2/NDF:16.1/21

Out: -301.234+/-821.611 χ^2/NDF:25.0/26

All: -439.280+/-591.359 χ^2/NDF: 41.1/48



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4047.828+/-1.164 χ^2/NDF:178343.1/7

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4145.422+/-1.292 χ^2/NDF:179539.4/5

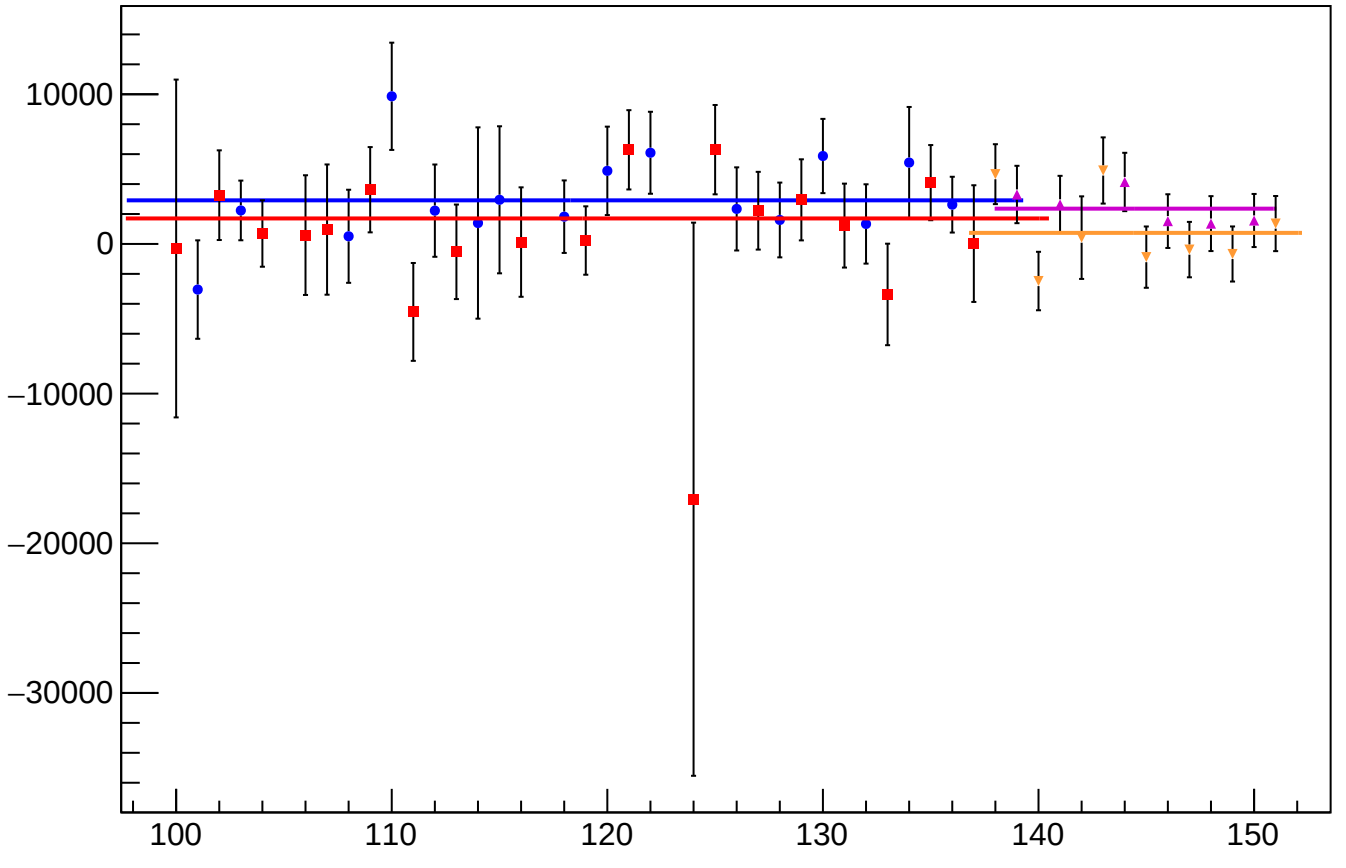
Left: 4091.553+/-0.865 χ^2/NDF: 361032.2/13

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2361.638+/-0.602 χ^2/NDF:9465275.1/21

Out: 2392.194+/-0.581 χ^2/NDF:9331319.3/26

All: 2377.468+/-0.418 χ^2/NDF: 18797927.6/4



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 739.231+/-712.889 χ^2/NDF:11.8/7

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2357.397+/-758.852 χ^2/NDF:1.8/5

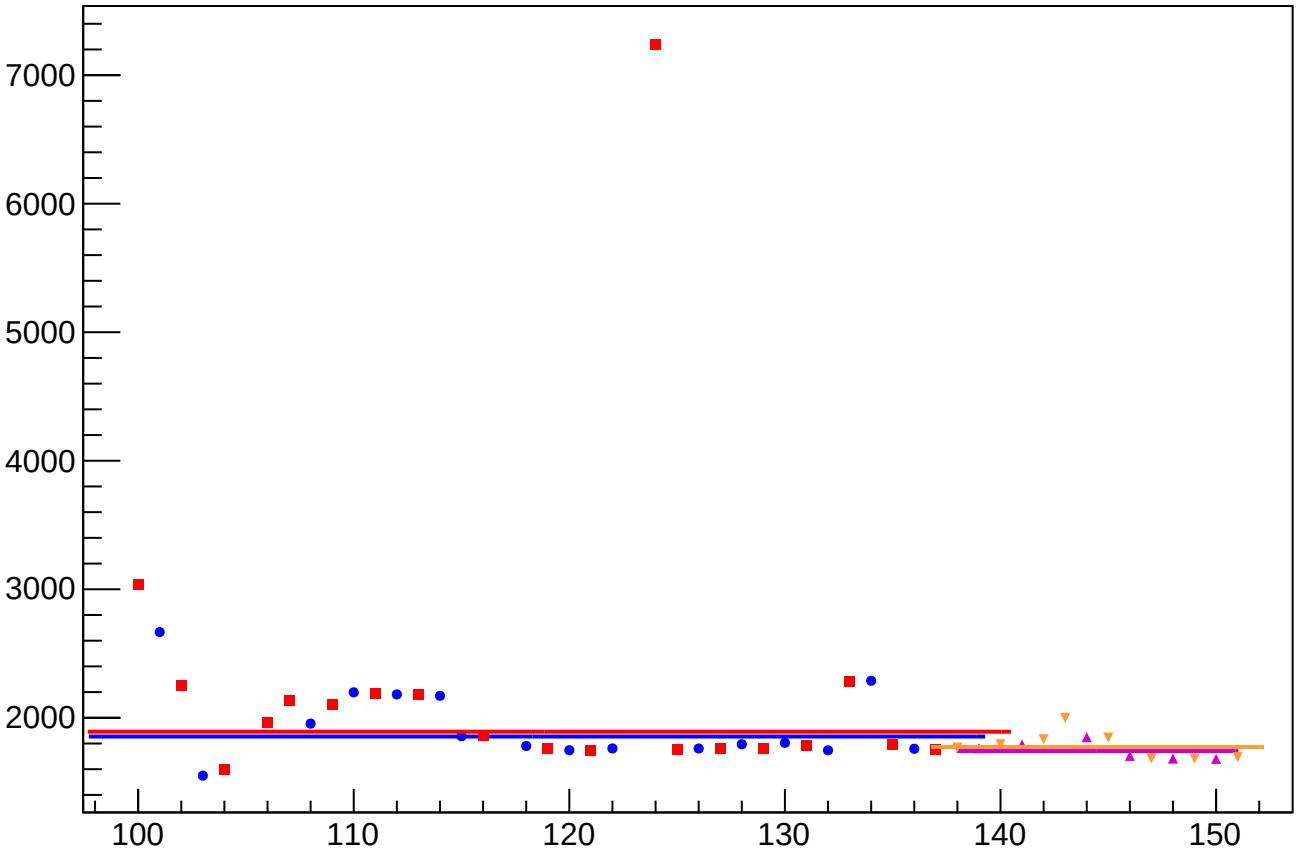
Left: 1497.827+/-519.578 χ^2/NDF: 16.0/13

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2659.578+/-512.554 χ^2/NDF:14.6/21

Out: 1225.481+/-501.939 χ^2/NDF:28.6/26

All: 1927.526+/-358.618 χ^2/NDF: 47.1/48



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1772.596+/-0.504 χ^2/NDF:37694.0/7

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1741.385+/-0.537 χ^2/NDF:13029.7/5

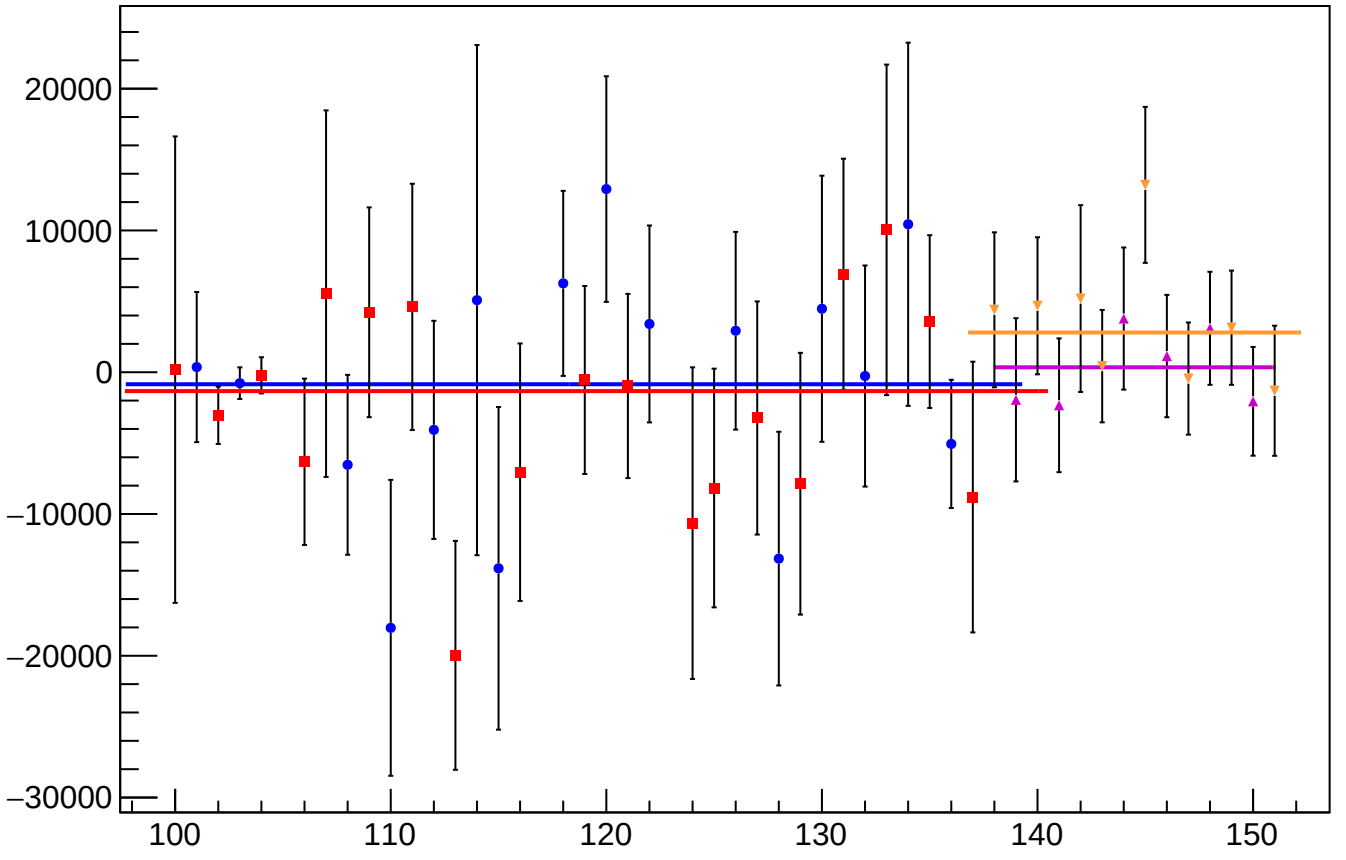
Left: 1757.964+/-0.367 χ^2/NDF: 52520.8/13

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1802.795+/-0.362 χ^2/NDF:300437.6/21

Out: 1832.894+/-0.355 χ^2/NDF:430303.0/26

All: 1818.175+/-0.253 χ^2/NDF: 734265.1/48



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2803.613+/-1646.097 χ^2/NDF:5.8/7

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 347.962+/-1827.111 χ^2/NDF:1.9/5

Left: 1703.423+/-1222.970 χ^2/NDF: 8.6/13

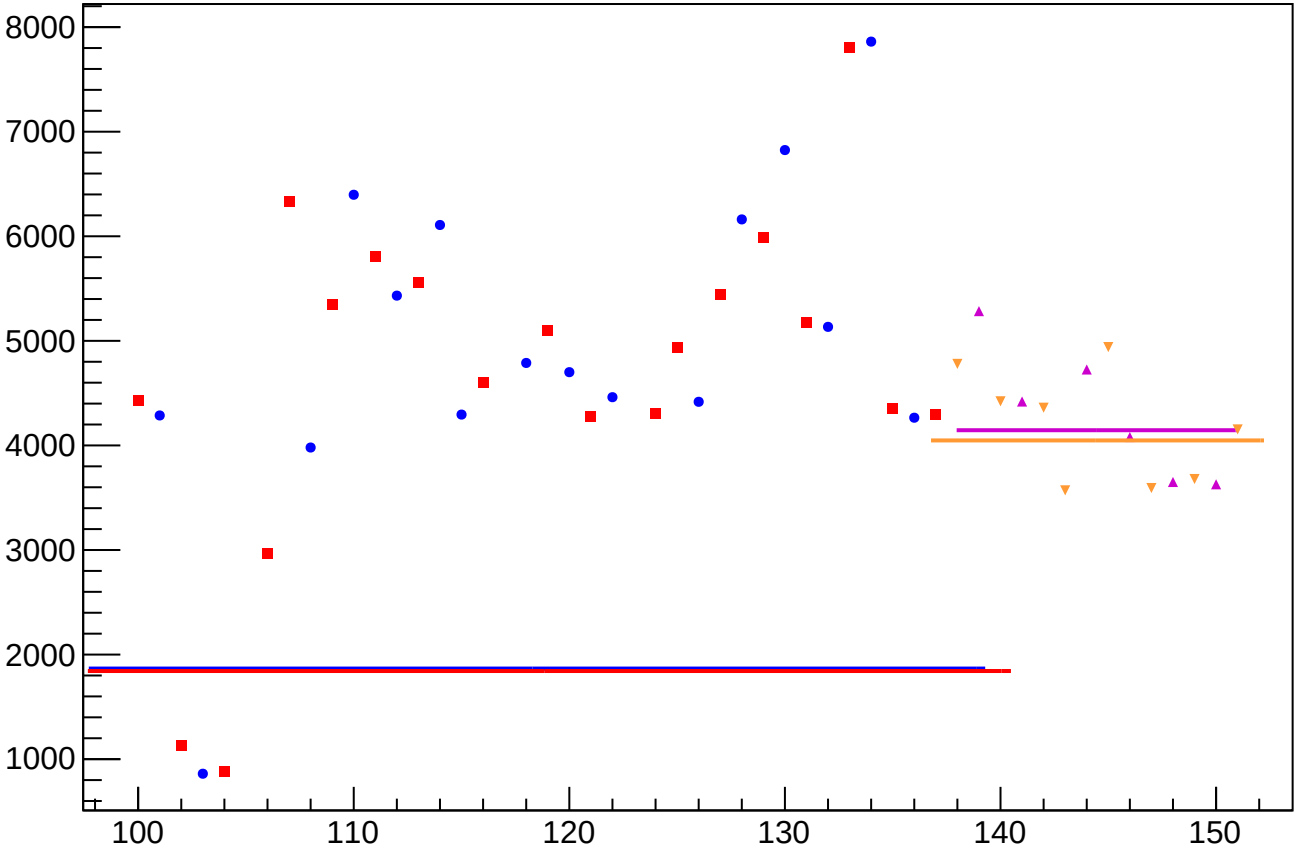
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -587.664+/-851.822 χ^2/NDF:16.1/21

Out: -301.234+/-821.611 χ^2/NDF:25.0/26

All: -439.280+/-591.359 χ^2/NDF: 41.1/48

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: 4047.828+/-1.164 χ^2/NDF:178343.1/7

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4145.422+/-1.292 χ^2/NDF:179539.4/5

Left: 4091.553+/-0.865 χ^2/NDF: 361032.2/13

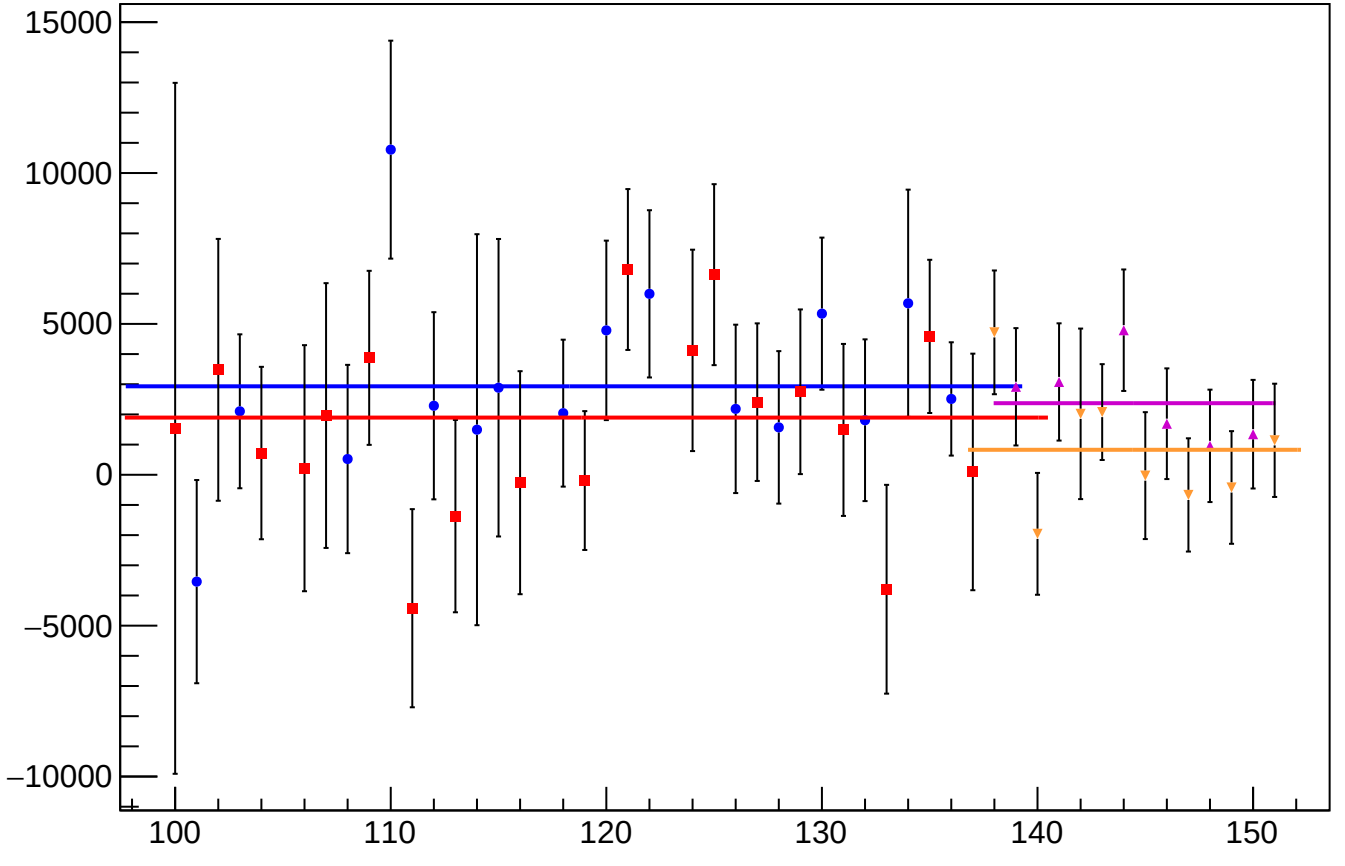
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2361.638+/-0.602 χ^2/NDF:9465275.1/21

Out: 2392.194+/-0.581 χ^2/NDF:9331319.3/26

All: 2377.468+/-0.418 χ^2/NDF: 18797927.6/4

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 828.048+/-692.385 χ^2/NDF:7.6/7

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2372.351+/-773.706 χ^2/NDF:2.7/5

Left: 1514.803+/-515.954 χ^2/NDF: 12.5/13

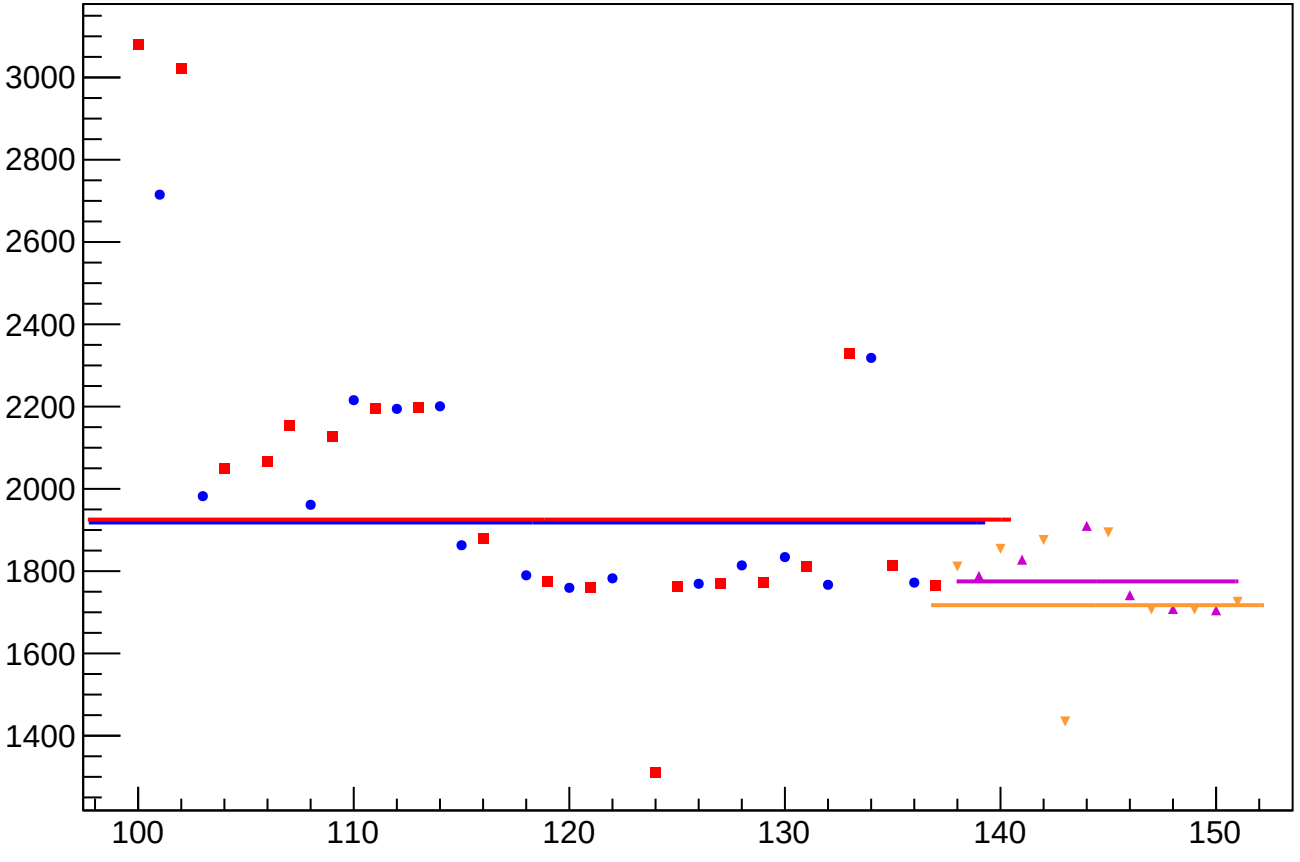
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2672.761+/-526.416 χ^2/NDF:16.0/21

Out: 1339.469+/-499.716 χ^2/NDF:26.1/26

All: 1971.447+/-362.424 χ^2/NDF: 45.4/48

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.271+/-0.490 χ^2/NDF:97362.1/7

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1775.049+/-0.547 χ^2/NDF:16862.9/5

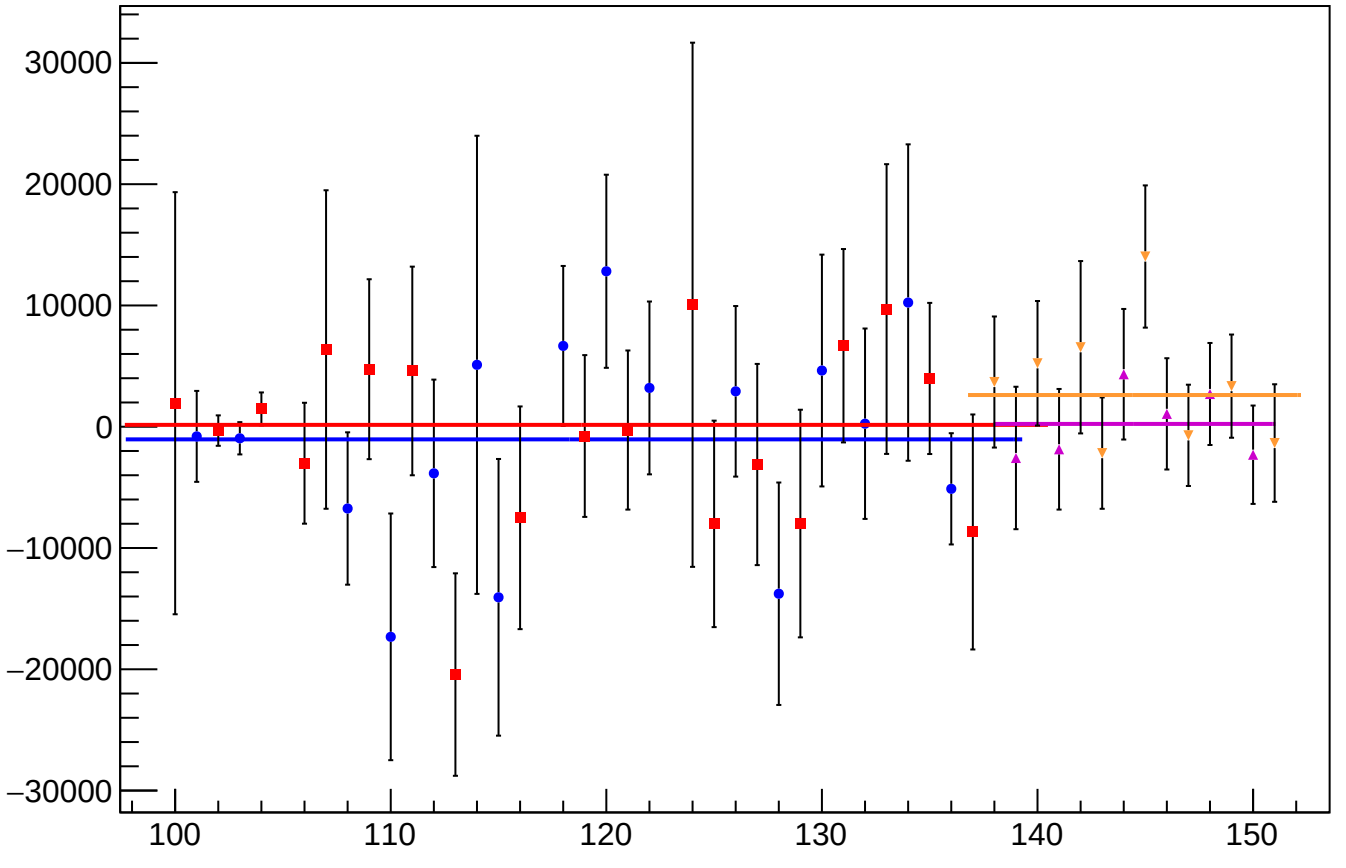
Left: 1742.965+/-0.365 χ^2/NDF: 120418.4/13

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1852.023+/-0.372 χ^2/NDF:269312.5/21

Out: 1817.004+/-0.353 χ^2/NDF:522997.0/26

All: 1833.596+/-0.256 χ^2/NDF: 796966.6/48



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2614.559+/-1757.844 χ^2/NDF:6.8/7

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 231.733+/-1928.984 χ^2/NDF:1.8/5

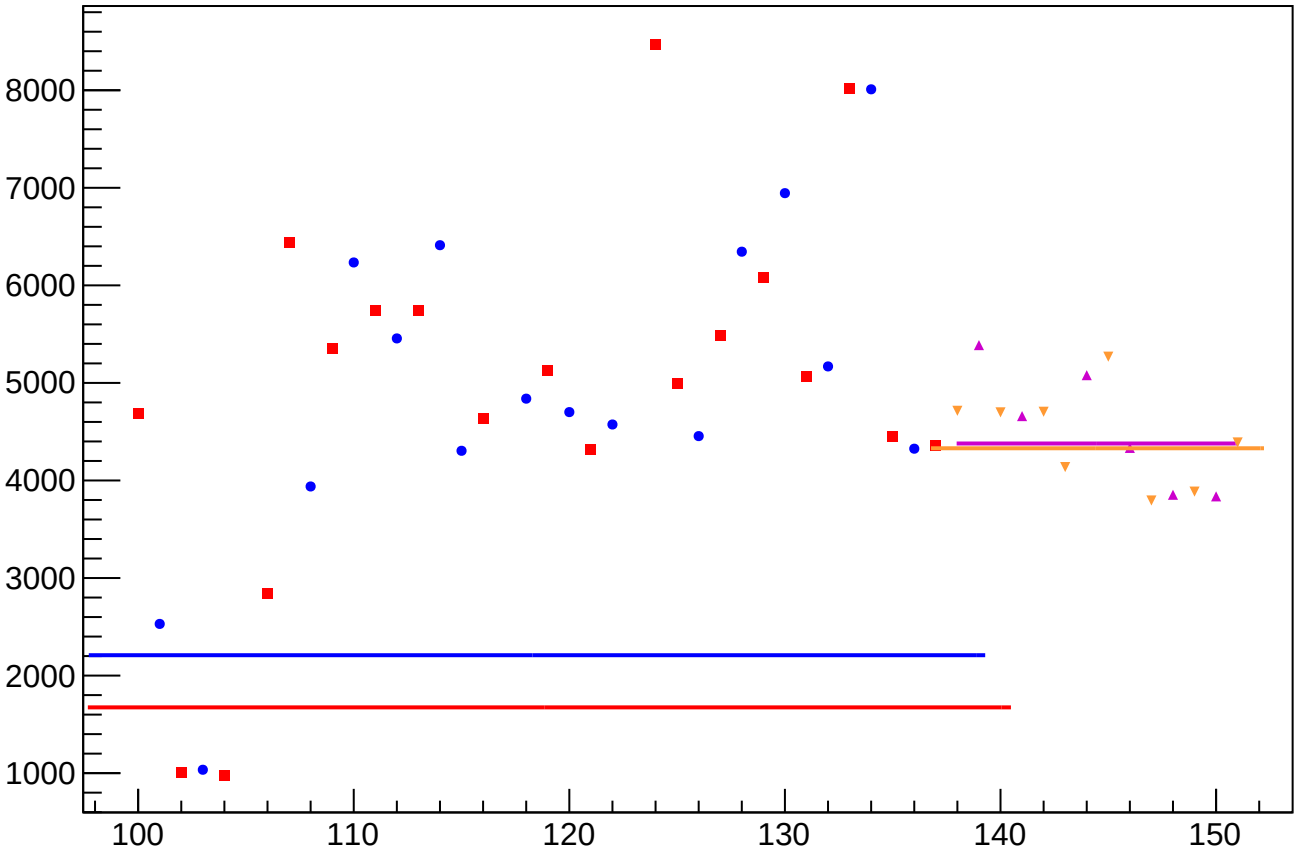
Left: 1533.517+/-1299.283 χ^2/NDF: 9.4/13

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -741.200+/-937.297 χ^2/NDF:15.9/21

Out: 607.255+/-754.716 χ^2/NDF:22.1/26

All: 76.861+/-587.839 χ^2/NDF: 39.3/48



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4330.097+/-1.243 χ^2/NDF:135668.5/7

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4379.002+/-1.364 χ^2/NDF:166298.9/5

Left: 4352.284+/-0.919 χ^2/NDF: 302669.7/13

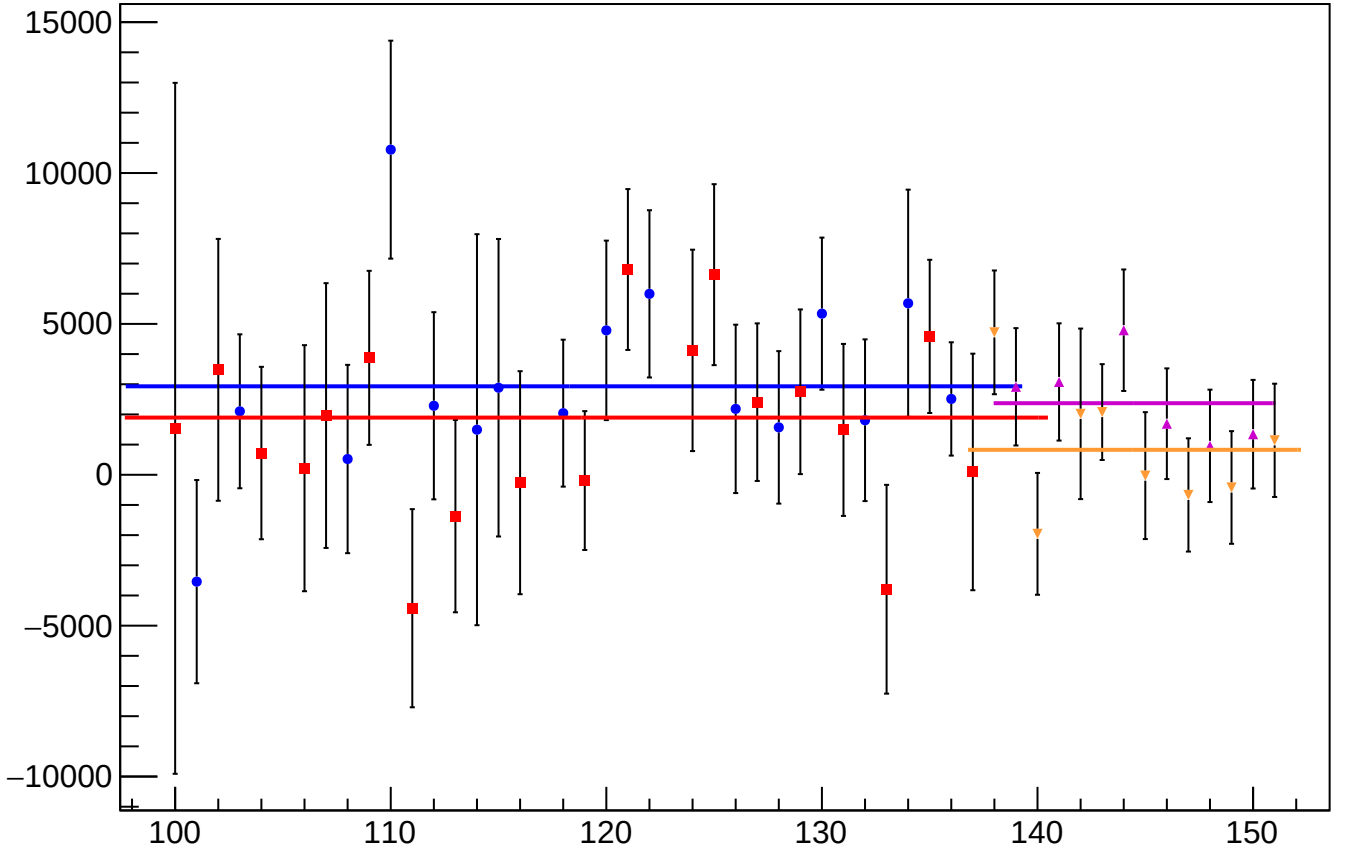
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2721.272+/-0.663 χ^2/NDF:7598899.1/21

Out: 2163.742+/-0.534 χ^2/NDF:10712938.7/26

All: 2383.037+/-0.416 χ^2/NDF: 18741138.1/4

eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 828.047+/-692.385 χ^2/NDF:7.6/7

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2372.348+/-773.706 χ^2/NDF:2.7/5

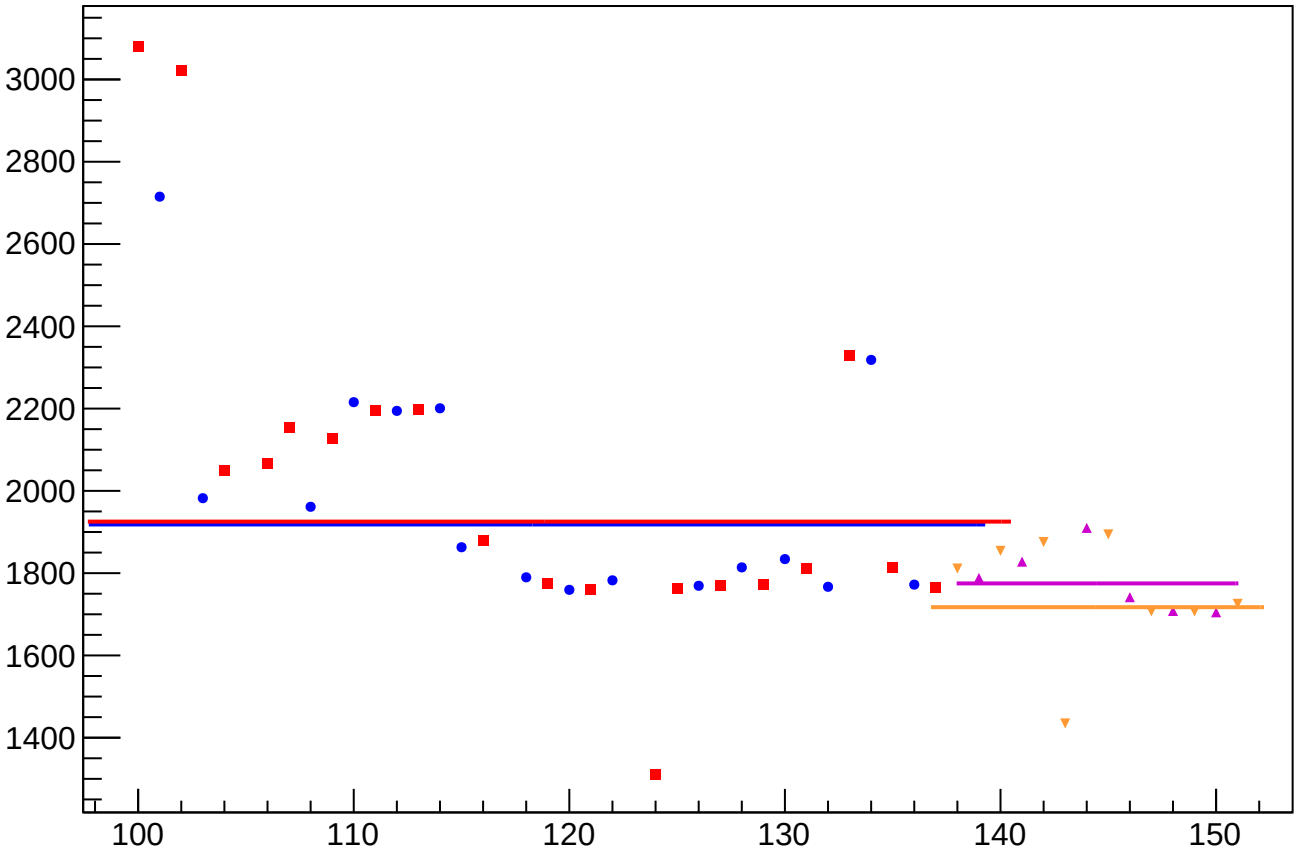
Left: 1514.801+/-515.954 χ^2/NDF: 12.5/13

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2672.761+/-526.416 χ^2/NDF:16.0/21

Out: 1339.471+/-499.717 χ^2/NDF:26.1/26

All: 1971.448+/-362.424 χ^2/NDF: 45.4/48



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1717.272+/-0.490 χ^2/NDF:97361.2/7

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1775.050+/-0.547 χ^2/NDF:16862.8/5

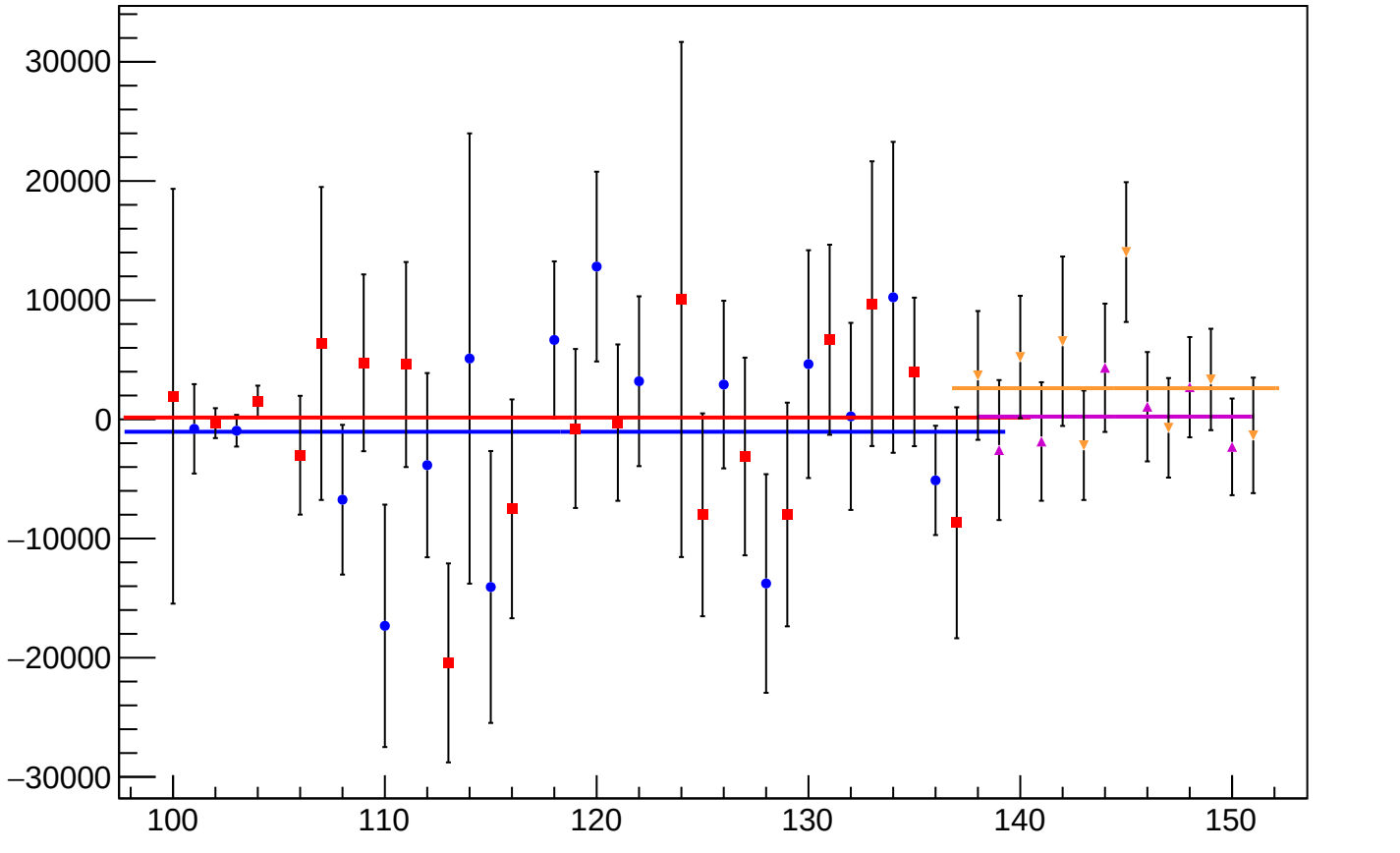
Left: 1742.966+/-0.365 χ^2/NDF: 120417.3/13

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1852.023+/-0.372 χ^2/NDF:269311.7/21

Out: 1817.005+/-0.353 χ^2/NDF:522993.7/26

All: 1833.596+/-0.256 χ^2/NDF: 796962.4/48



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2614.560+/-1757.847 χ^2/NDF:6.8/7

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 231.729+/-1928.987 χ^2/NDF:1.8/5

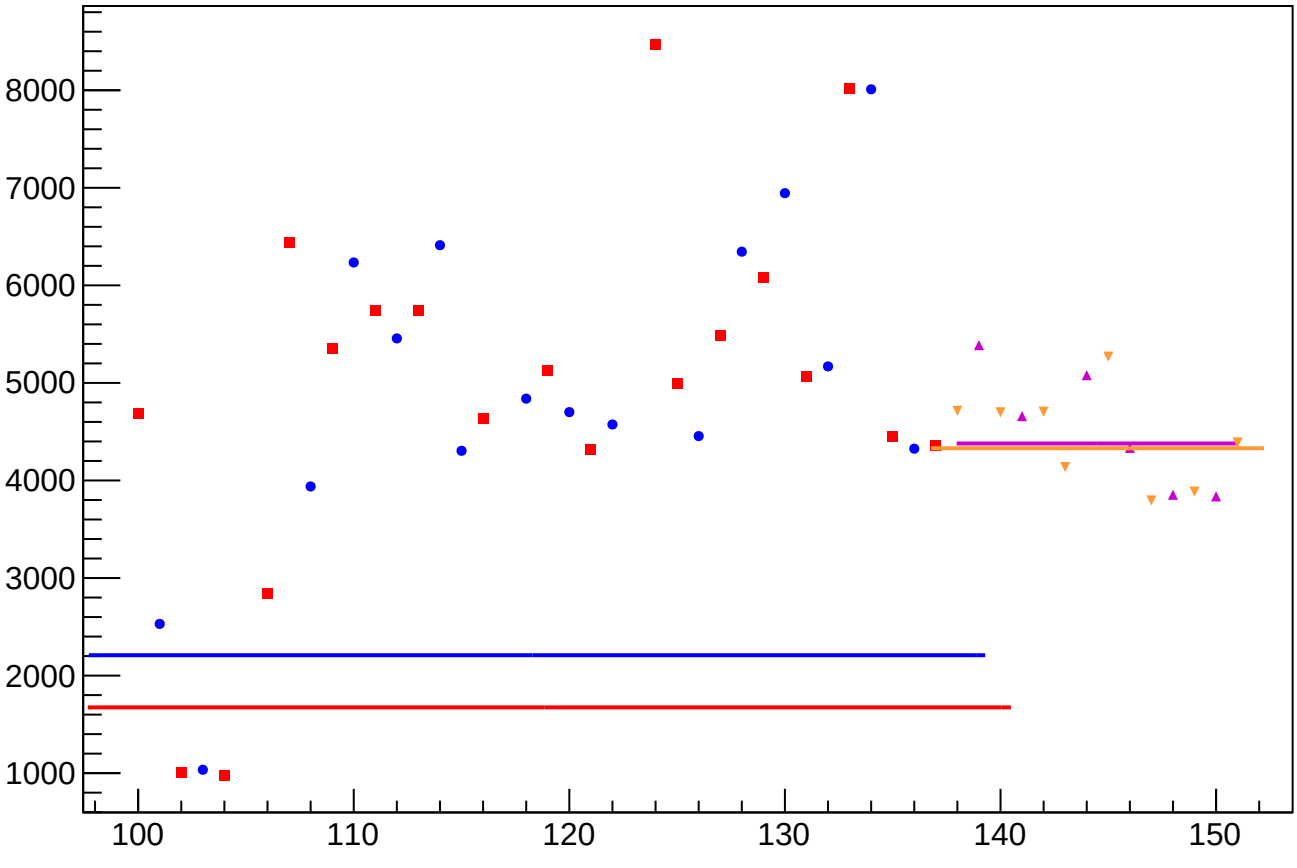
Left: 1533.516+/-1299.285 χ^2/NDF: 9.4/13

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -741.201+/-937.297 χ^2/NDF:15.9/21

Out: 607.249+/-754.716 χ^2/NDF:22.1/26

All: 76.858+/-587.839 χ^2/NDF: 39.3/48



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4330.104+/-1.243 χ^2/NDF:135668.0/7

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4379.009+/-1.364 χ^2/NDF:166298.3/5

Left: 4352.291+/-0.919 χ^2/NDF: 302668.6/13

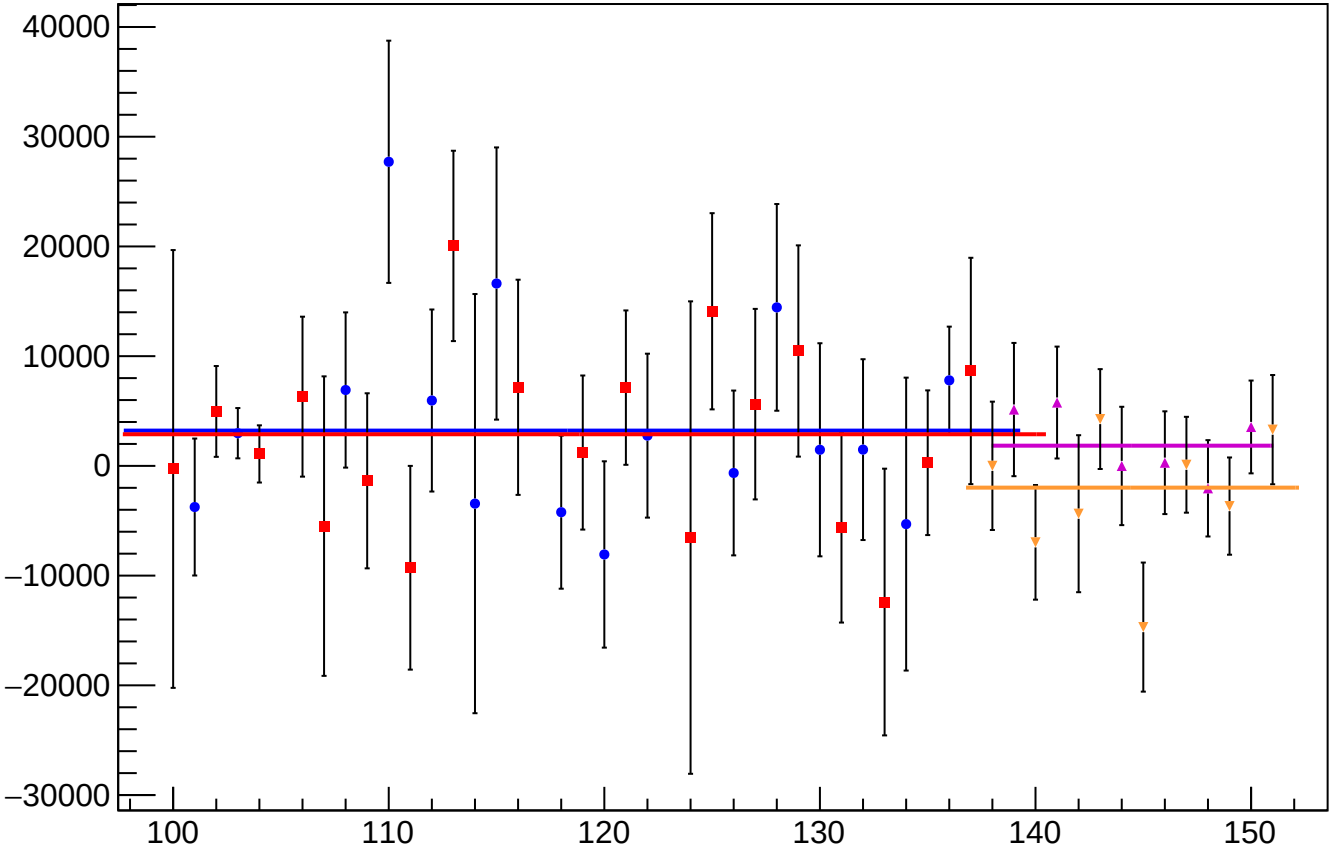
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2721.271+/-0.663 χ^2/NDF:7598900.9/21

Out: 2163.741+/-0.534 χ^2/NDF:10712941.1/26

All: 2383.037+/-0.416 χ^2/NDF: 18741142.3/4

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1981.894+/-1807.002 χ^2/NDF:9.2/7

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1842.010+/-1986.670 χ^2/NDF:2.1/5

Left: -250.636+/-1336.759 χ^2/NDF: 13.3/13

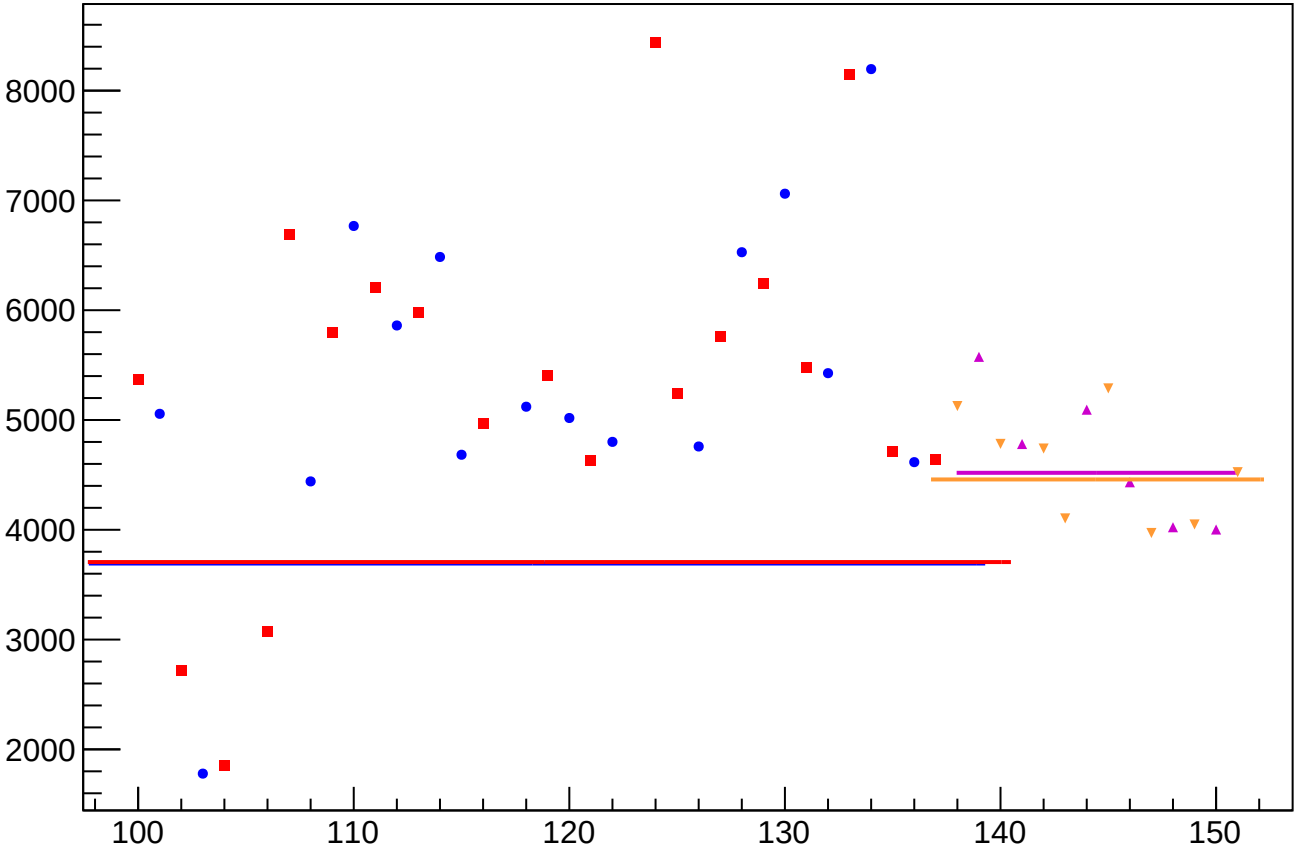
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2700.398+/-1216.776 χ^2/NDF:16.2/21

Out: 817.812+/-1177.407 χ^2/NDF:26.8/26

All: 1728.156+/-846.128 χ^2/NDF: 44.2/48

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4458.474+/-1.278 χ^2/NDF:131215.7/7

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4518.993+/-1.405 χ^2/NDF:144557.0/5

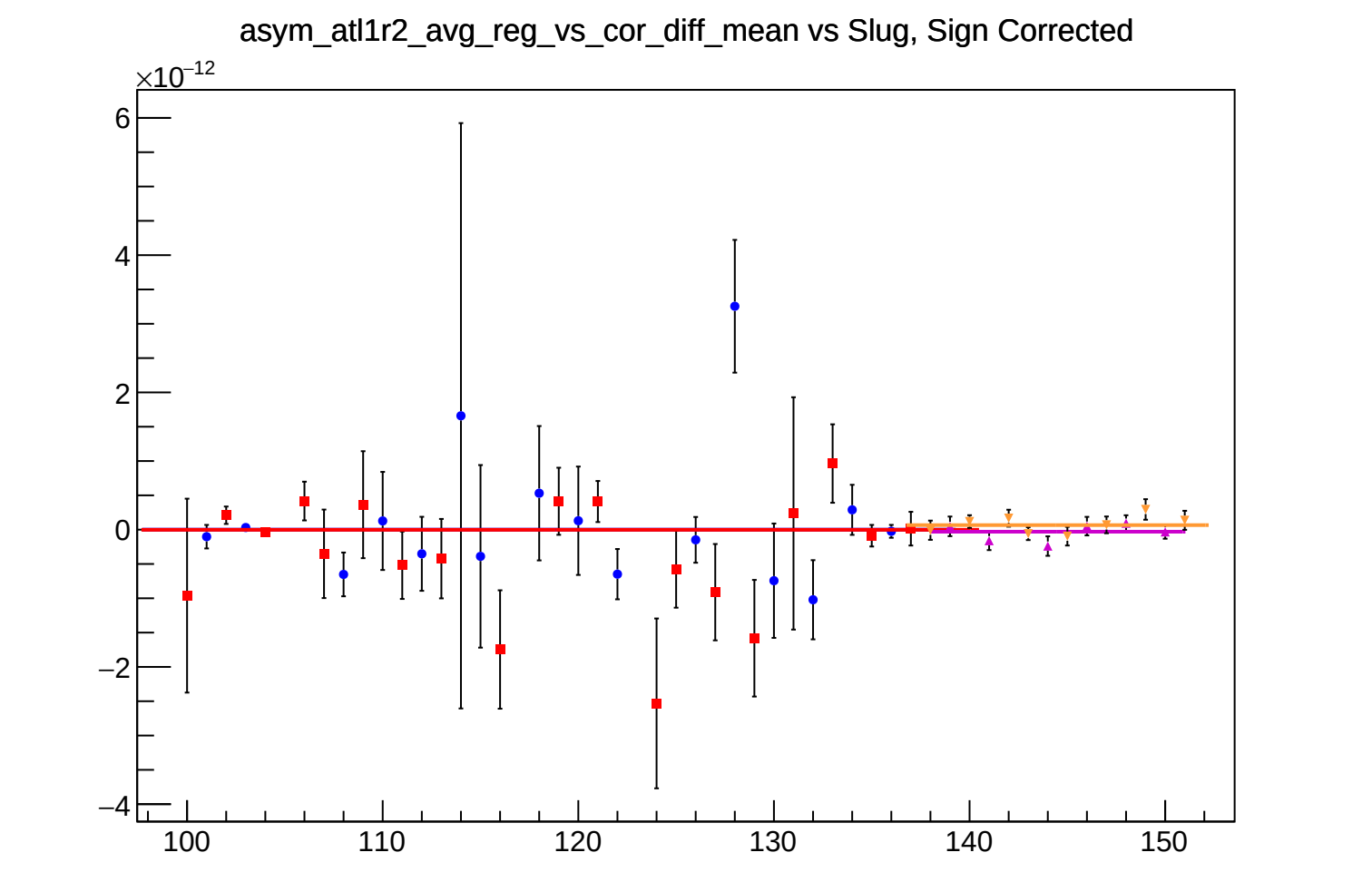
Left: 4485.874+/-0.945 χ^2/NDF: 276788.4/13

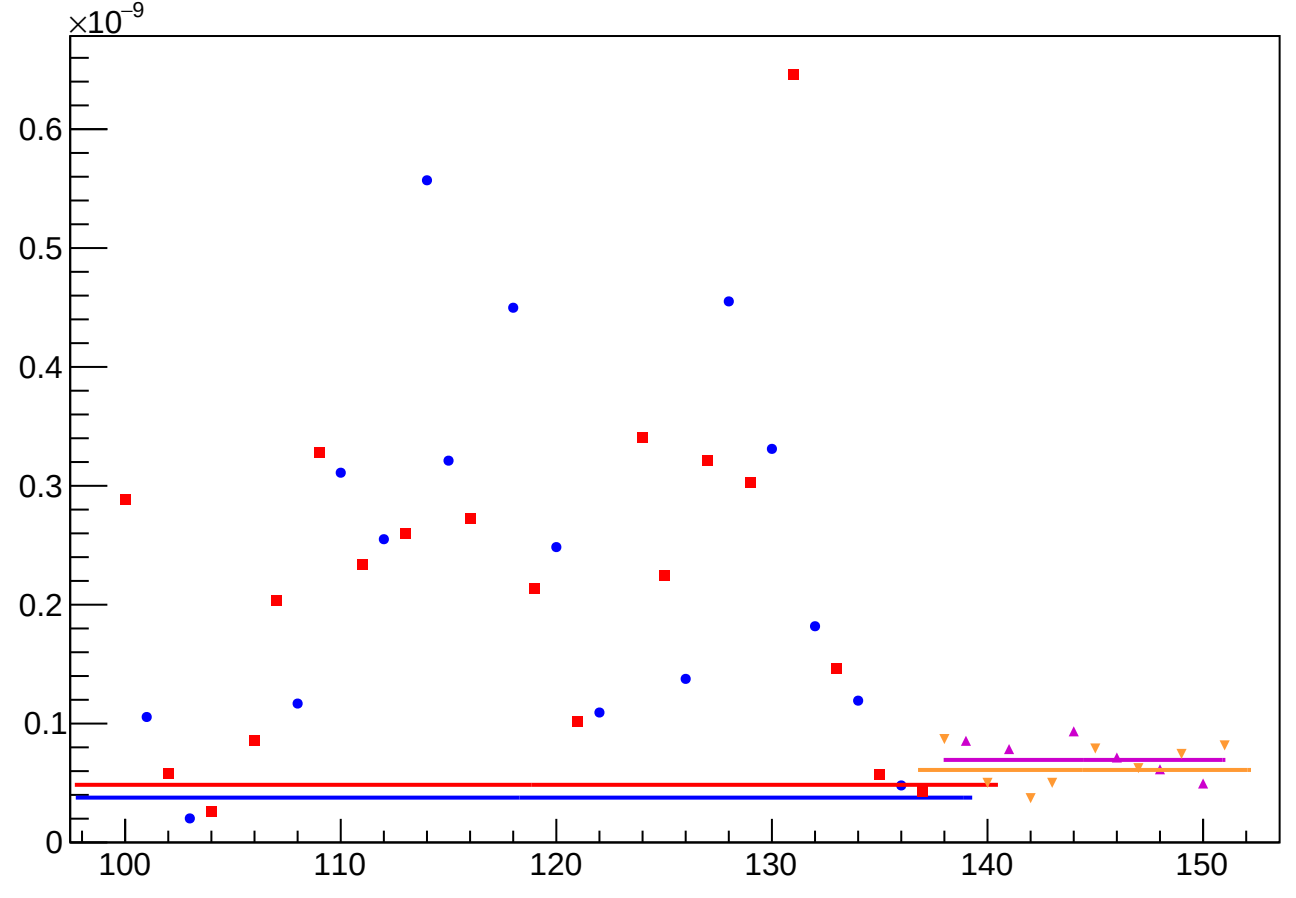
Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4002.731+/-0.860 χ^2/NDF:3246348.9/21

Out: 4021.832+/-0.828 χ^2/NDF:3016969.1/26

All: 4012.651+/-0.597 χ^2/NDF: 6263574.0/48


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 25.4/15
Left Out: 0.000+/-0.000 χ²/NDF:7.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 28.2/18
Left In: -0.000+/-0.000 χ²/NDF:4.9/5
Left: 0.000+/-0.000 χ²/NDF: 14.0/13
Right: -0.000+/-0.000 χ²/NDF: 53.6/34
In: -0.000+/-0.000 χ²/NDF:30.5/21
Out: 0.000+/-0.000 χ²/NDF:36.5/26
All: 0.000+/-0.000 χ²/NDF: 68.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:293730.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:180345.6/5

Left: 0.000+/-0.000 χ^2/NDF: 506612.2/13

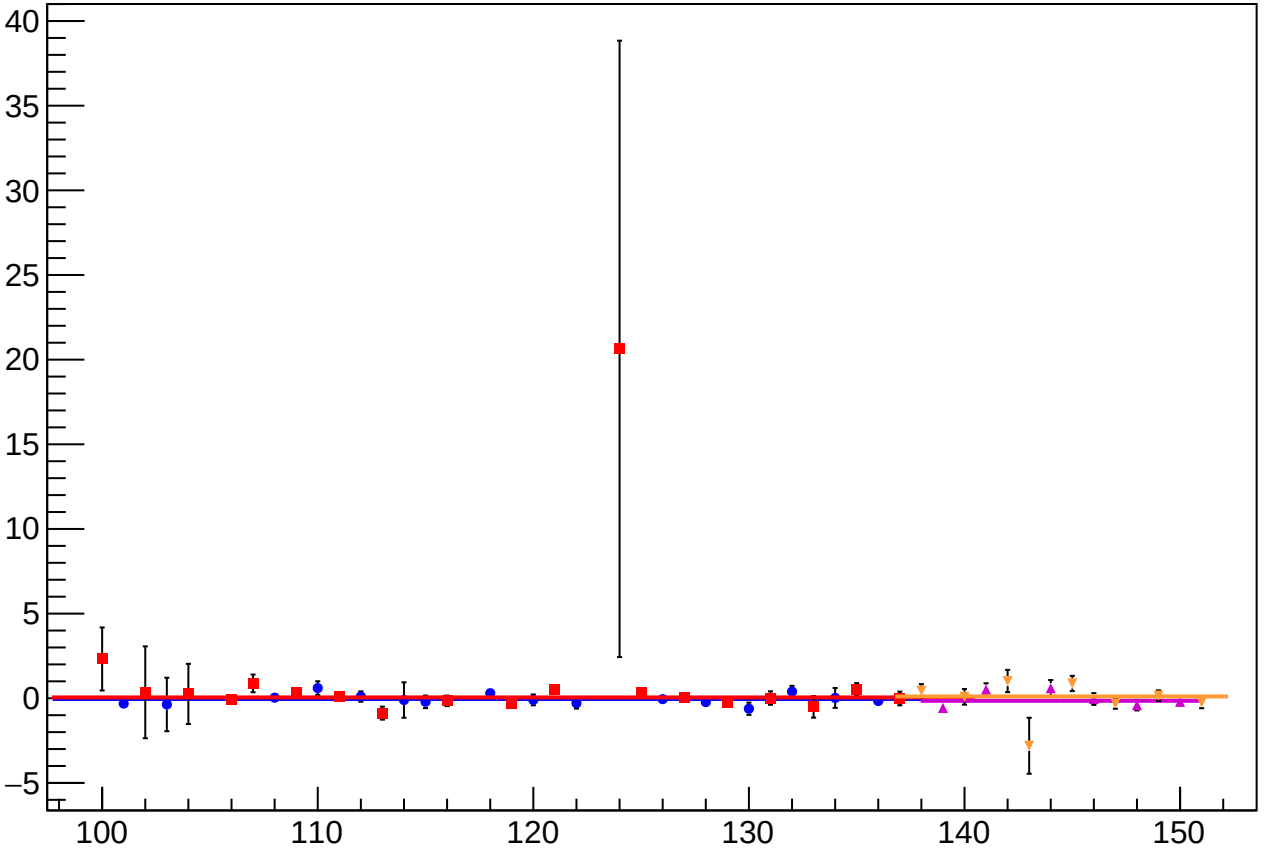
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:3832198.9/21

Out: 0.000+/-0.000 χ^2/NDF:3272055.0/26

All: 0.000+/-0.000 χ^2/NDF: 7155369.2/48

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: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.150+/-0.135 χ^2/NDF:8.8/5

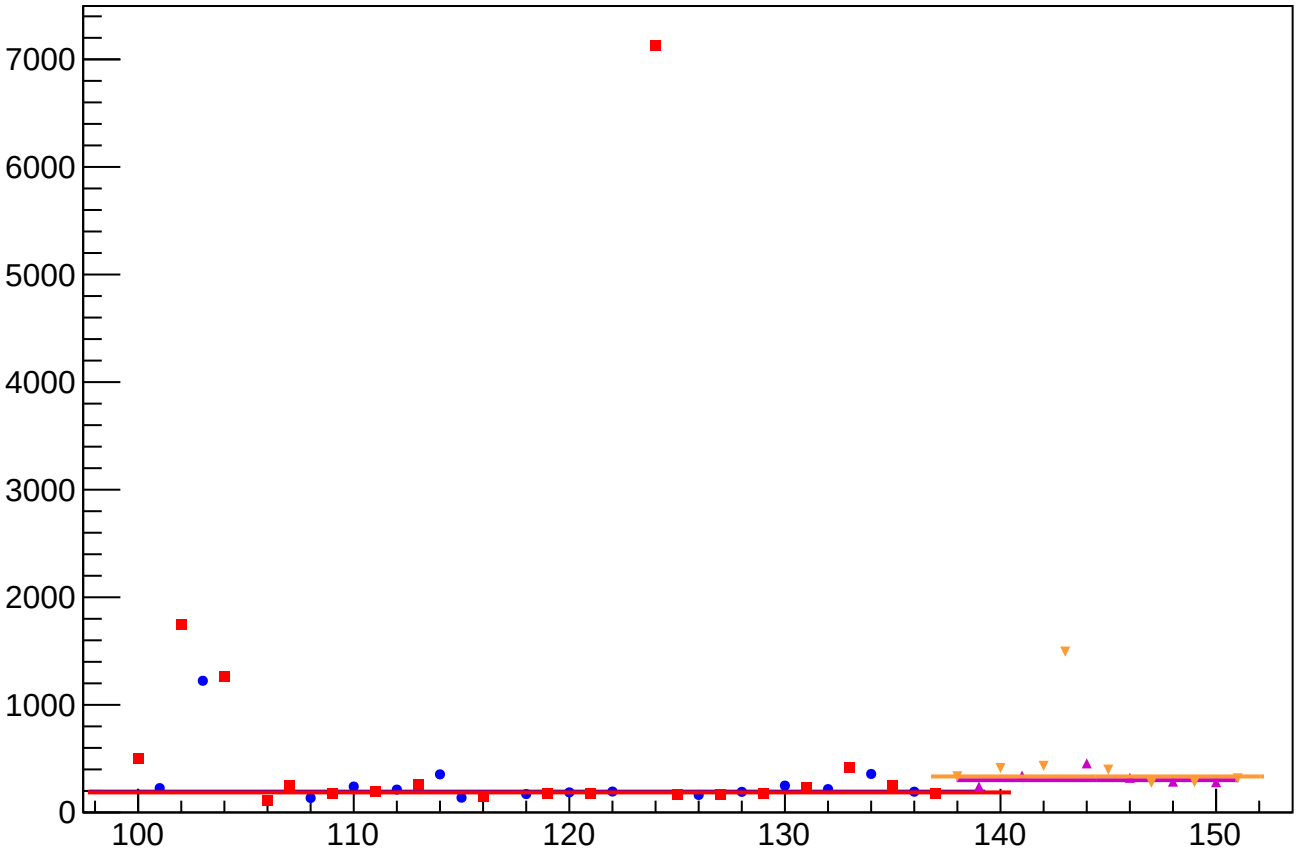
Left: -0.030+/-0.098 χ^2/NDF: 22.1/13

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.067 χ^2/NDF:21.0/21

Out: 0.063+/-0.069 χ^2/NDF:34.7/26

All: -0.004+/-0.048 χ^2/NDF: 57.6/48



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 334.645+/-0.102 χ^2/NDF:1262910.8/7

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 300.421+/-0.096 χ^2/NDF:347947.8/5

Left: 316.455+/-0.070 χ^2/NDF: 1671005.8/13

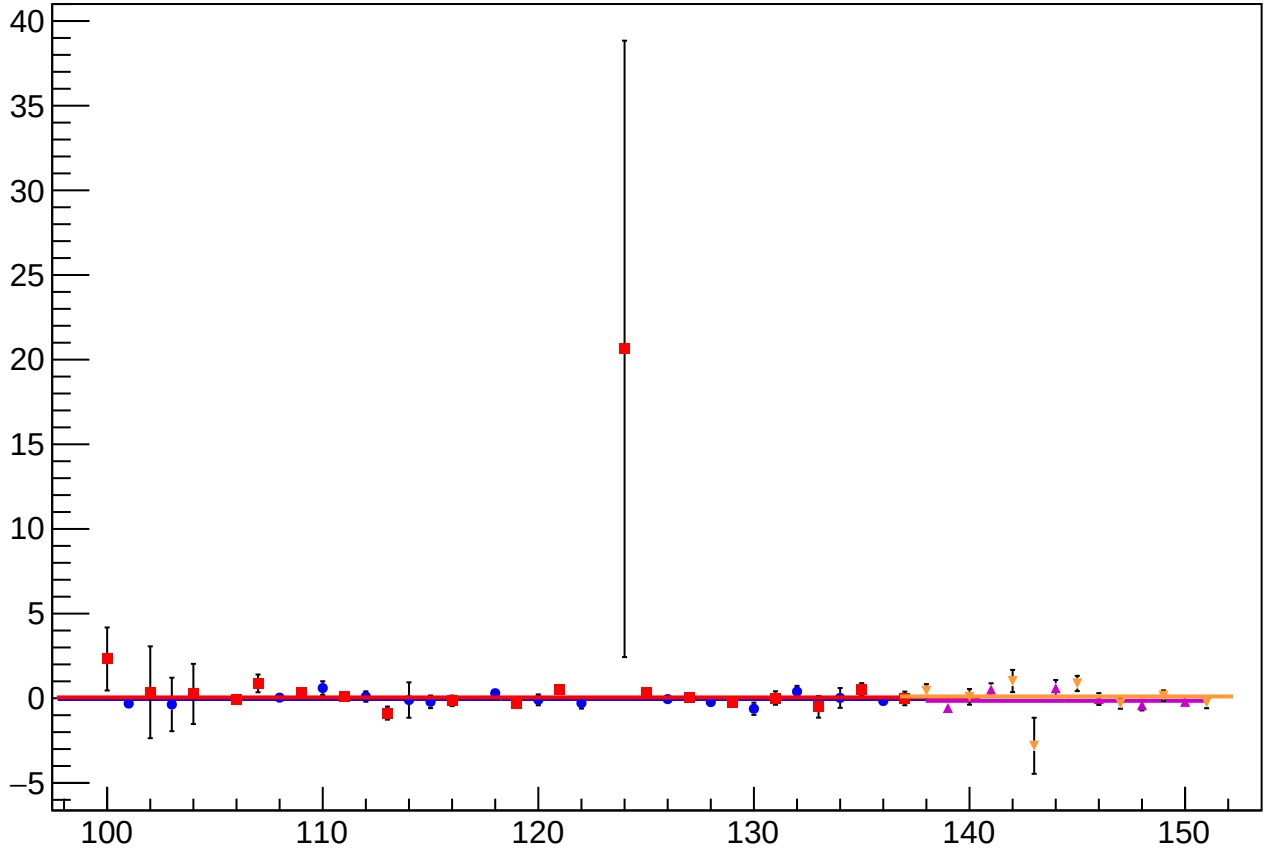
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 219.921+/-0.048 χ^2/NDF:2701979.5/21

Out: 220.584+/-0.049 χ^2/NDF:5375869.4/26

All: 220.244+/-0.034 χ^2/NDF: 8077943.4/48

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: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.150+/-0.135 χ^2/NDF:8.8/5

Left: -0.030+/-0.098 χ^2/NDF: 22.1/13

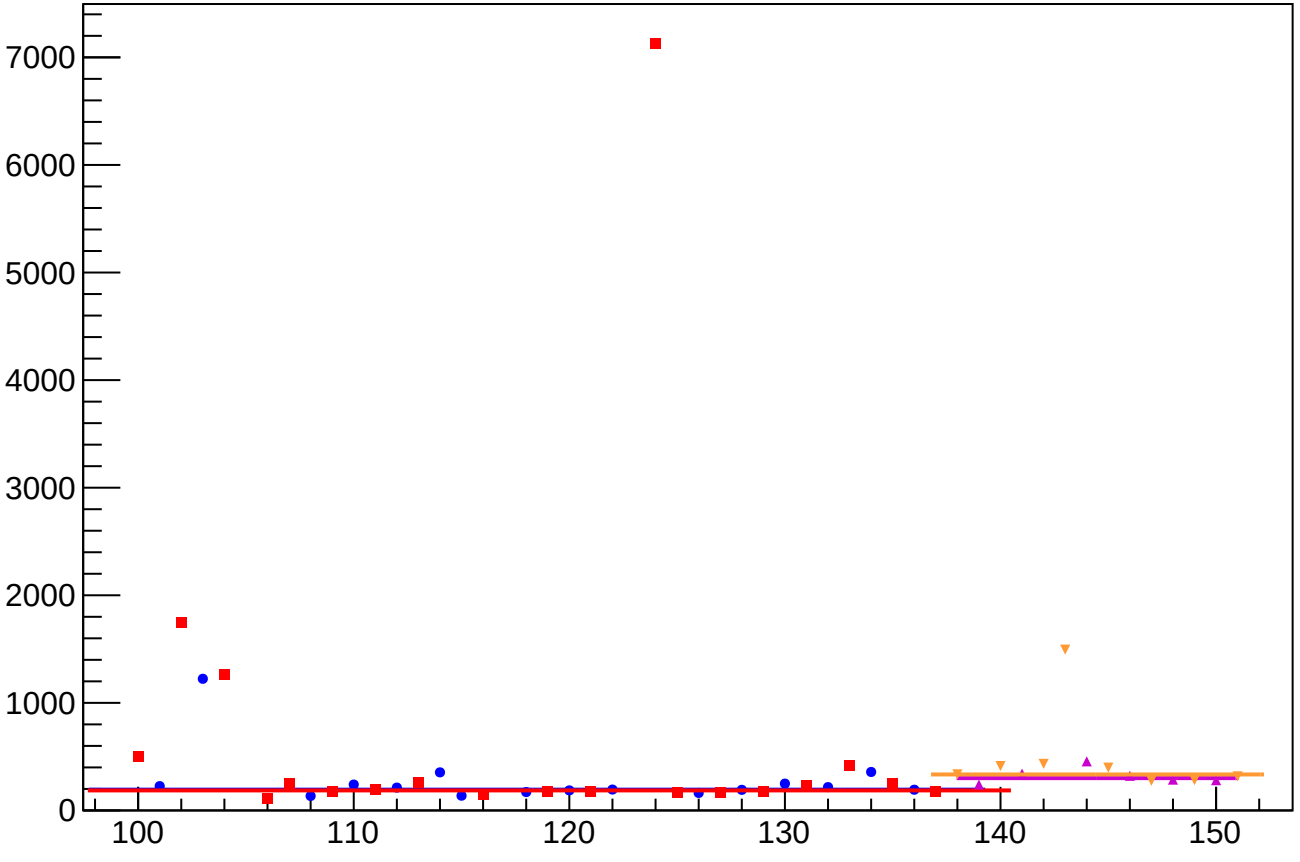
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.067 χ^2/NDF:21.0/21

Out: 0.063+/-0.069 χ^2/NDF:34.7/26

All: -0.004+/-0.048 χ^2/NDF: 57.6/48

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 334.645+/-0.102 χ^2/NDF:1262910.8/7

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 300.421+/-0.096 χ^2/NDF:347947.8/5

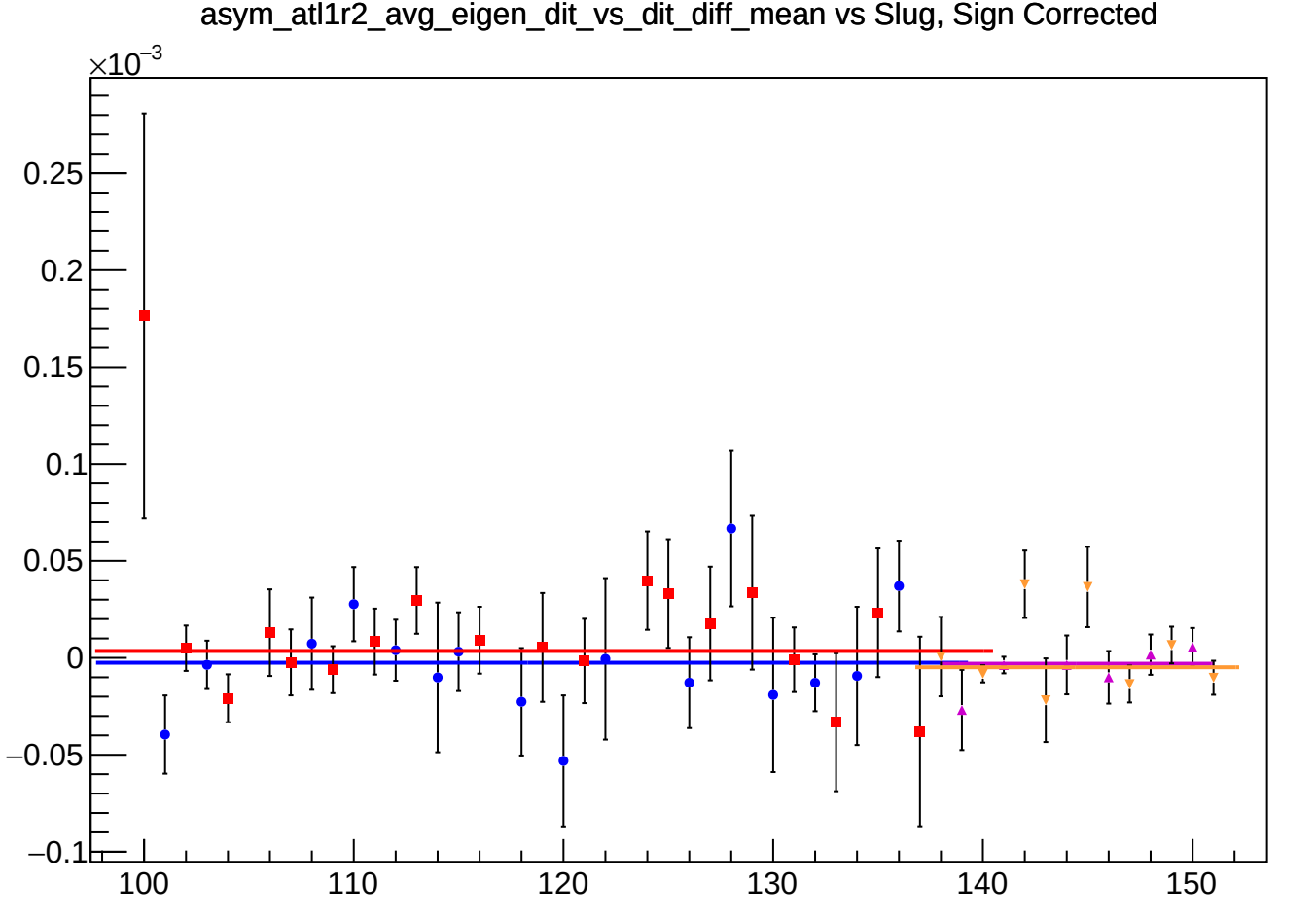
Left: 316.455+/-0.070 χ^2/NDF: 1671005.8/13

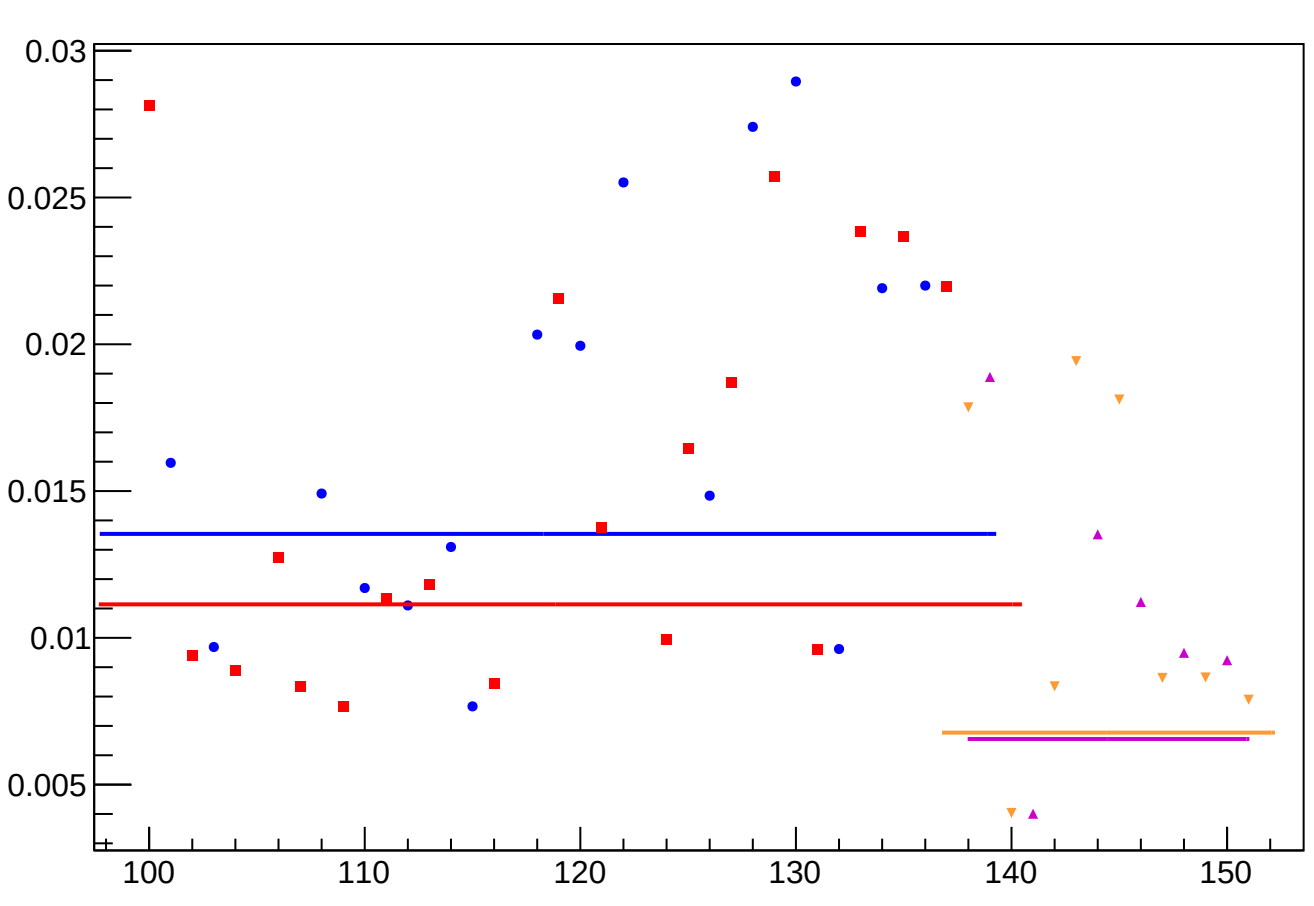
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 219.921+/-0.048 χ^2/NDF:2701979.5/21

Out: 220.584+/-0.049 χ^2/NDF:5375869.4/26

All: 220.244+/-0.034 χ^2/NDF: 8077943.4/48


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.8/15
Left Out: -0.000+/-0.000 χ²/NDF:14.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/18
Left In: -0.000+/-0.000 χ²/NDF:2.6/5
Left: -0.000+/-0.000 χ²/NDF: 16.8/13
Right: 0.000+/-0.000 χ²/NDF: 32.9/34
In: -0.000+/-0.000 χ²/NDF:18.5/21
Out: -0.000+/-0.000 χ²/NDF:32.7/26
All: -0.000+/-0.000 χ²/NDF: 51.2/48



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2853751.1/7

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2393382.8/5

Left: 0.007+/-0.000 χ^2/NDF: 5251428.0/13

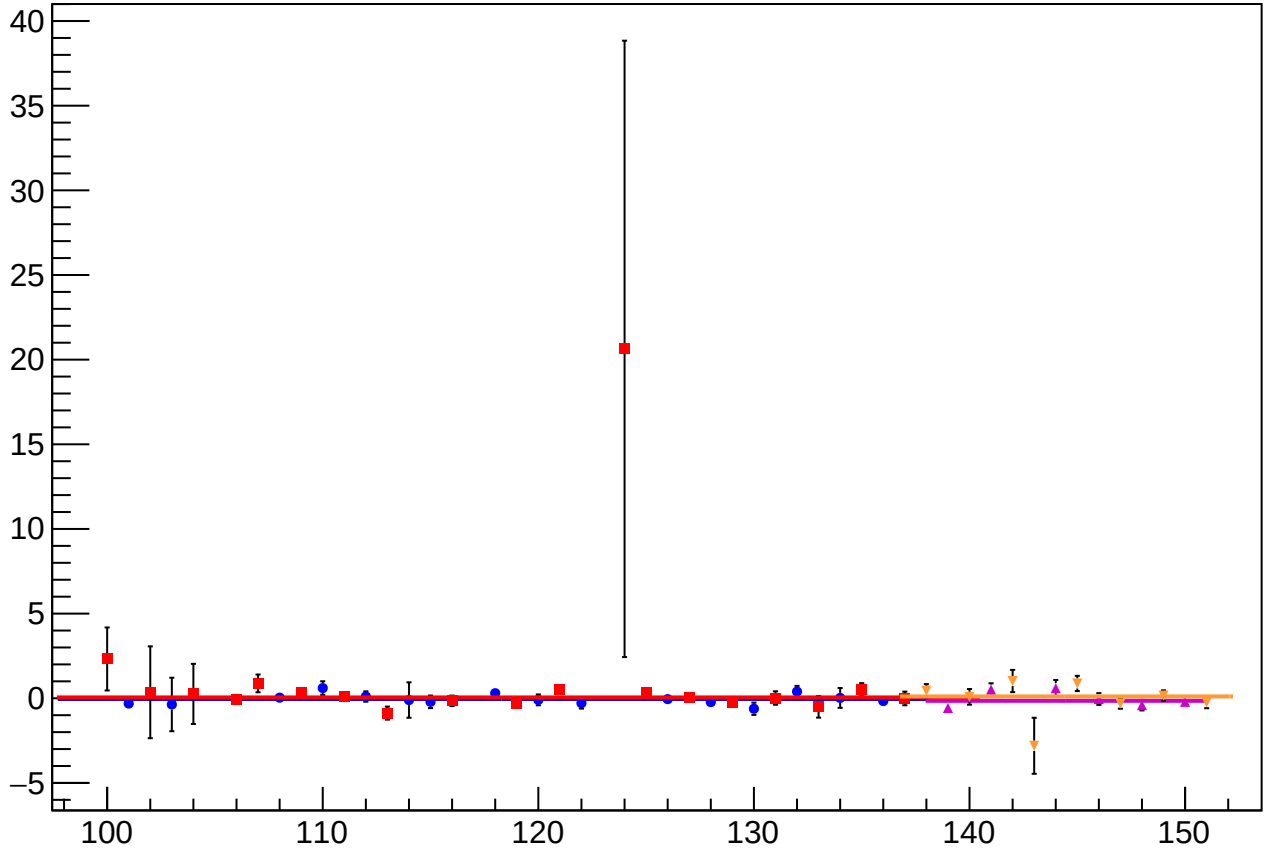
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.009+/-0.000 χ^2/NDF:6637425.1/21

Out: 0.008+/-0.000 χ^2/NDF:6005060.4/26

All: 0.008+/-0.000 χ^2/NDF: 12650466.1/48

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: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.150+/-0.135 χ^2/NDF:8.8/5

Left: -0.030+/-0.098 χ^2/NDF: 22.1/13

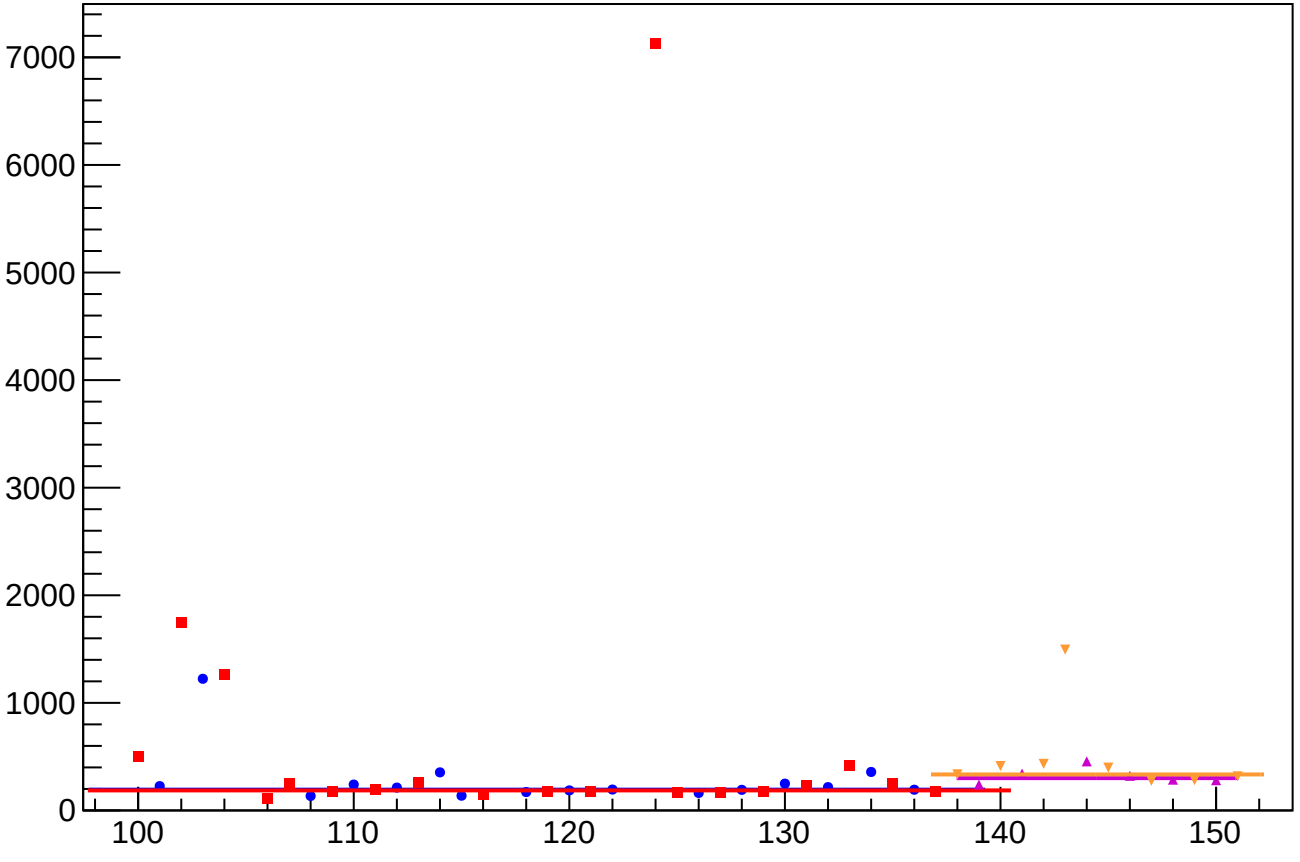
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.067 χ^2/NDF:21.0/21

Out: 0.063+/-0.069 χ^2/NDF:34.7/26

All: -0.004+/-0.048 χ^2/NDF: 57.6/48

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 334.650+/-0.102 χ^2/NDF:1262882.5/7

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 300.426+/-0.096 χ^2/NDF:347930.4/5

Left: 316.460+/-0.070 χ^2/NDF: 1670955.7/13

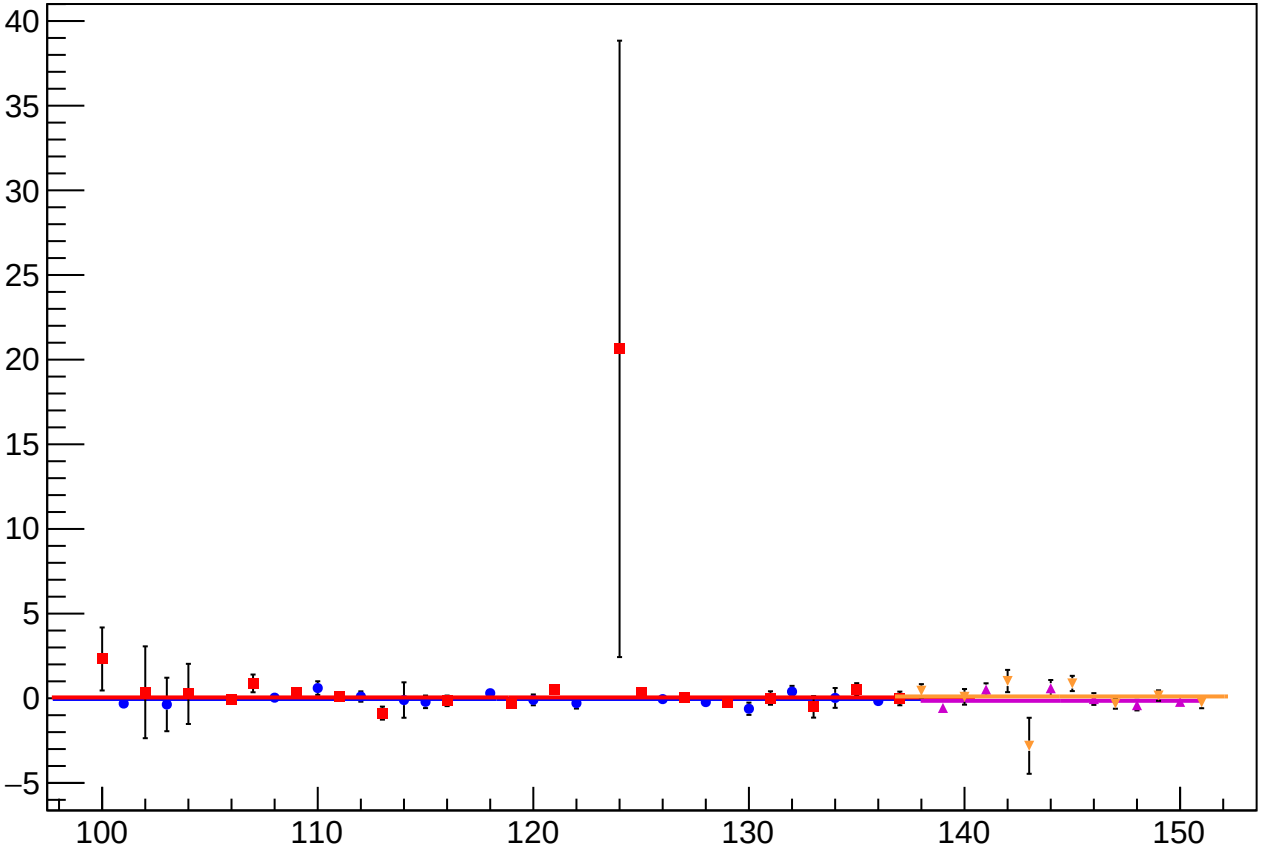
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 219.920+/-0.048 χ^2/NDF:2702051.8/21

Out: 220.582+/-0.049 χ^2/NDF:5375991.4/26

All: 220.243+/-0.034 χ^2/NDF: 8078137.4/48

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: 0.107+/-0.144 χ^2/NDF:11.6/7

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.150+/-0.135 χ^2/NDF:8.8/5

Left: -0.030+/-0.098 χ^2/NDF: 22.1/13

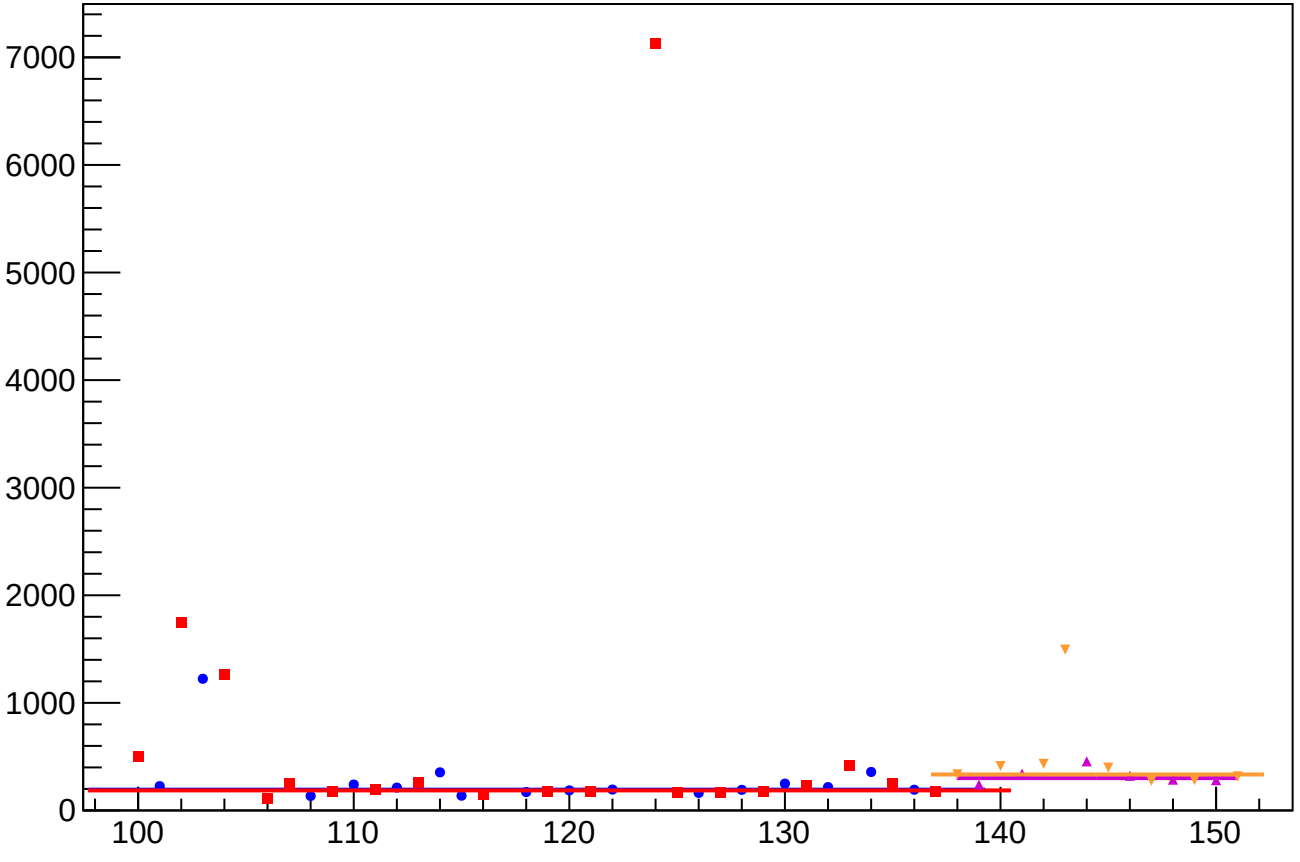
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.067 χ^2/NDF:21.0/21

Out: 0.063+/-0.069 χ^2/NDF:34.7/26

All: -0.004+/-0.048 χ^2/NDF: 57.6/48

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: 334.650+/-0.102 χ^2/NDF:1262882.5/7

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 300.426+/-0.096 χ^2/NDF:347930.4/5

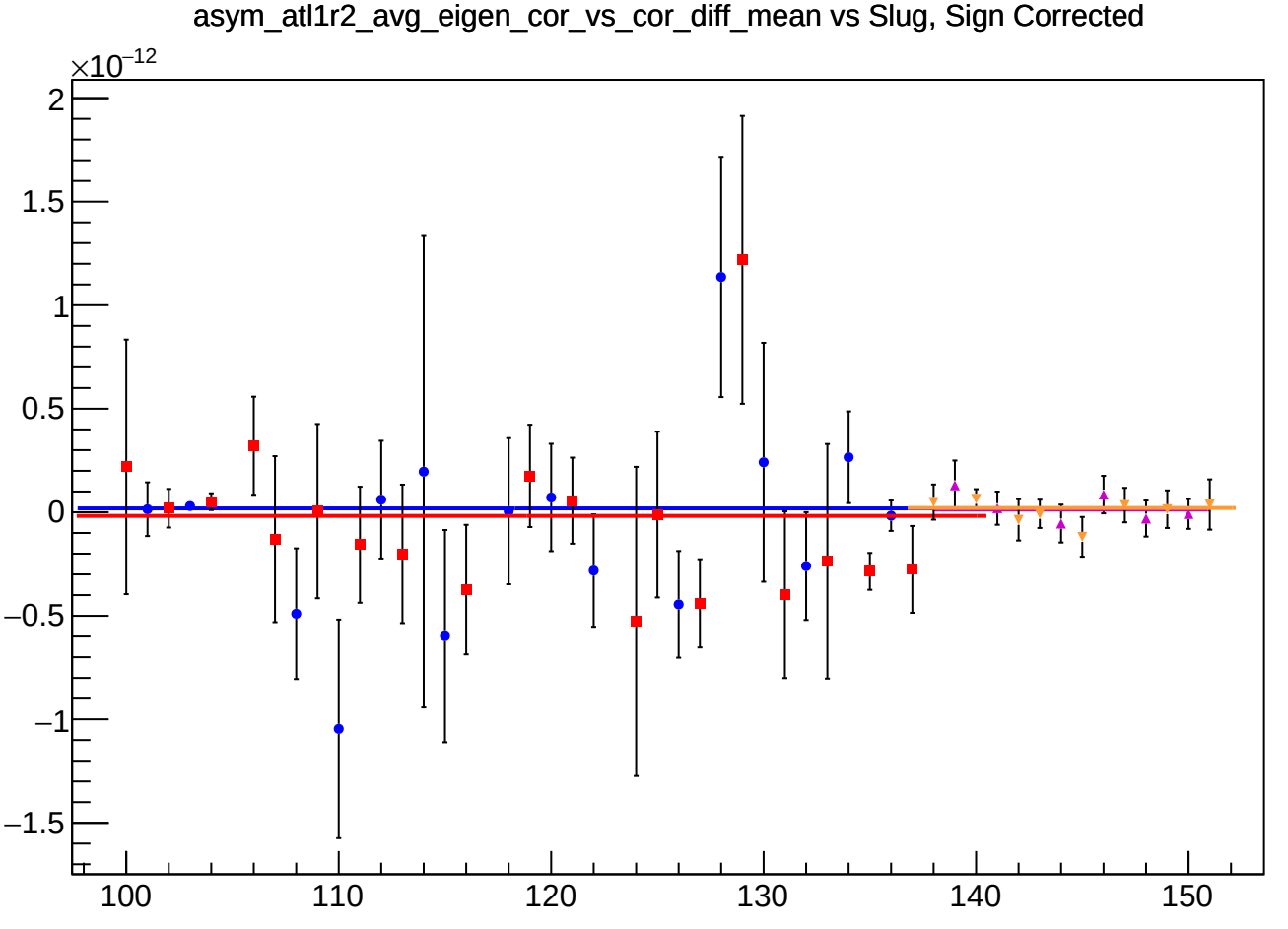
Left: 316.460+/-0.070 χ^2/NDF: 1670955.7/13

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 219.920+/-0.048 χ^2/NDF:2702051.8/21

Out: 220.582+/-0.049 χ^2/NDF:5375991.4/26

All: 220.243+/-0.034 χ^2/NDF: 8078137.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/5

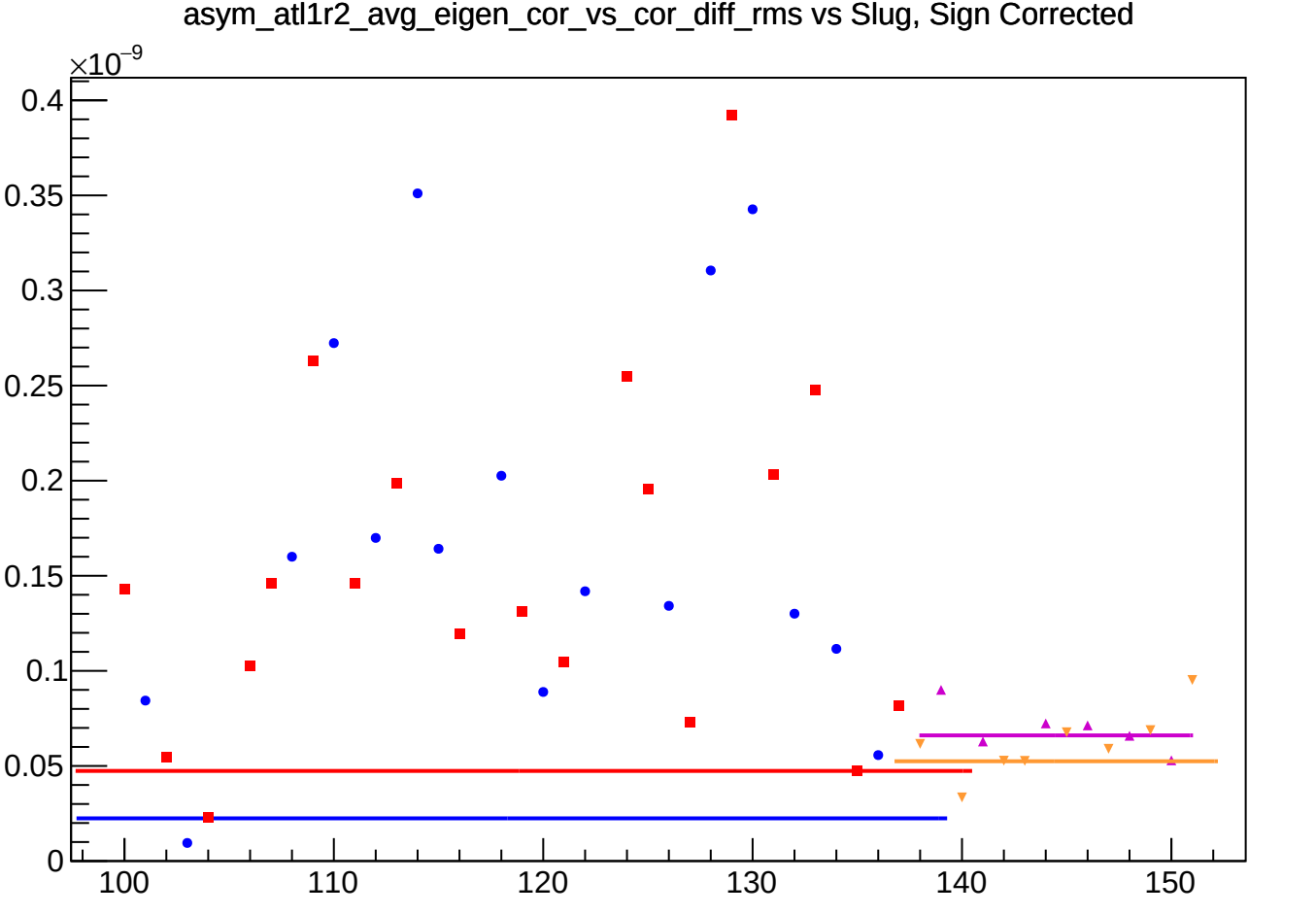
Left: 0.000+/-0.000 χ^2/NDF: 6.2/13

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

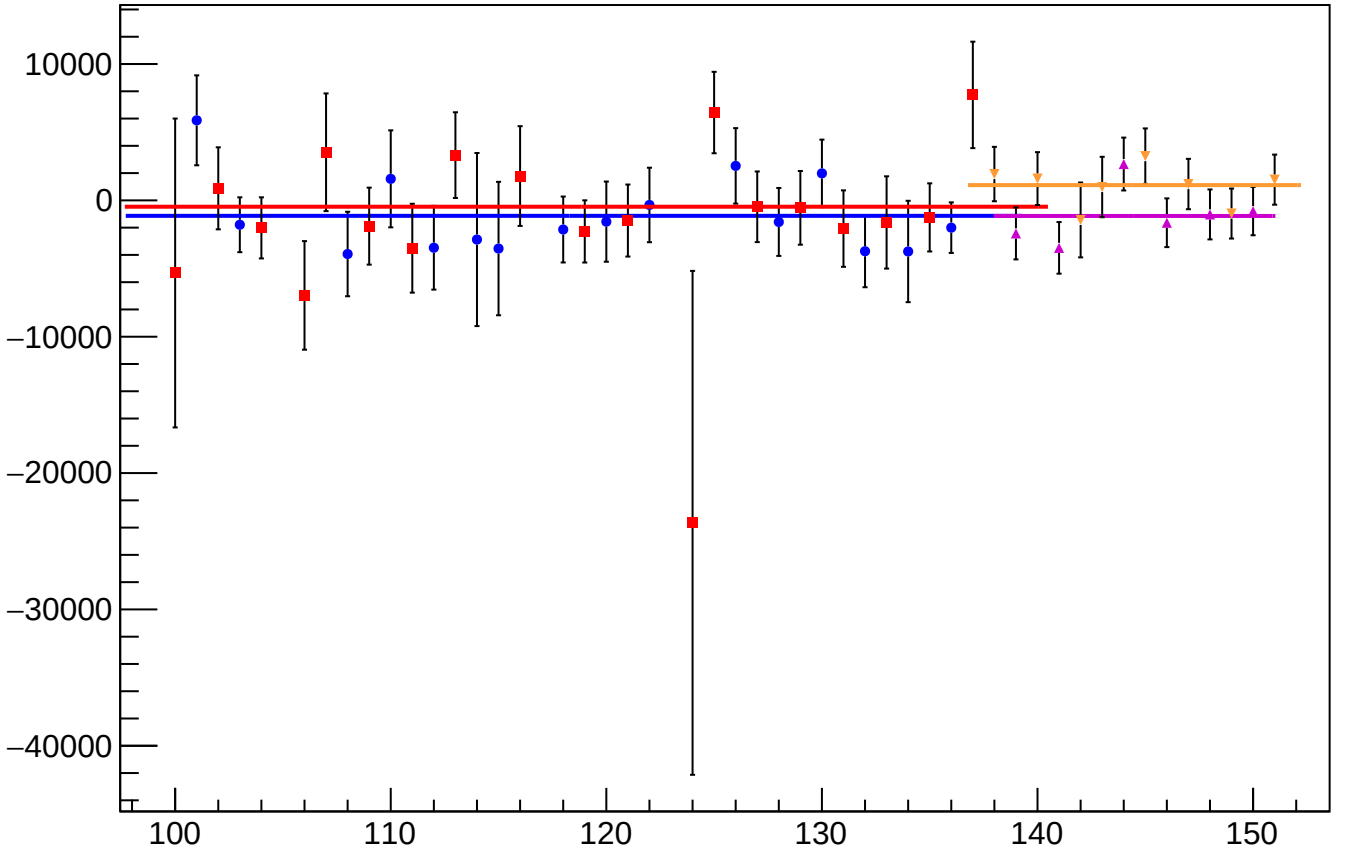
In: 0.000+/-0.000 χ^2/NDF:21.9/21

Out: 0.000+/-0.000 χ^2/NDF:31.7/26

All: 0.000+/-0.000 χ^2/NDF: 53.8/48


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:735421.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:165261.7/5
Left: 0.000+/-0.000 χ²/NDF: 1085736.6/13
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:8830606.0/21
Out: 0.000+/-0.000 χ²/NDF:5001751.0/26
All: 0.000+/-0.000 χ²/NDF: 14604979.3/48

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1118.962+/-710.165 χ^2/NDF:3.5/7

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1143.834+/-755.668 χ^2/NDF:6.0/5

Left: 57.740+/-517.502 χ^2/NDF: 14.3/13

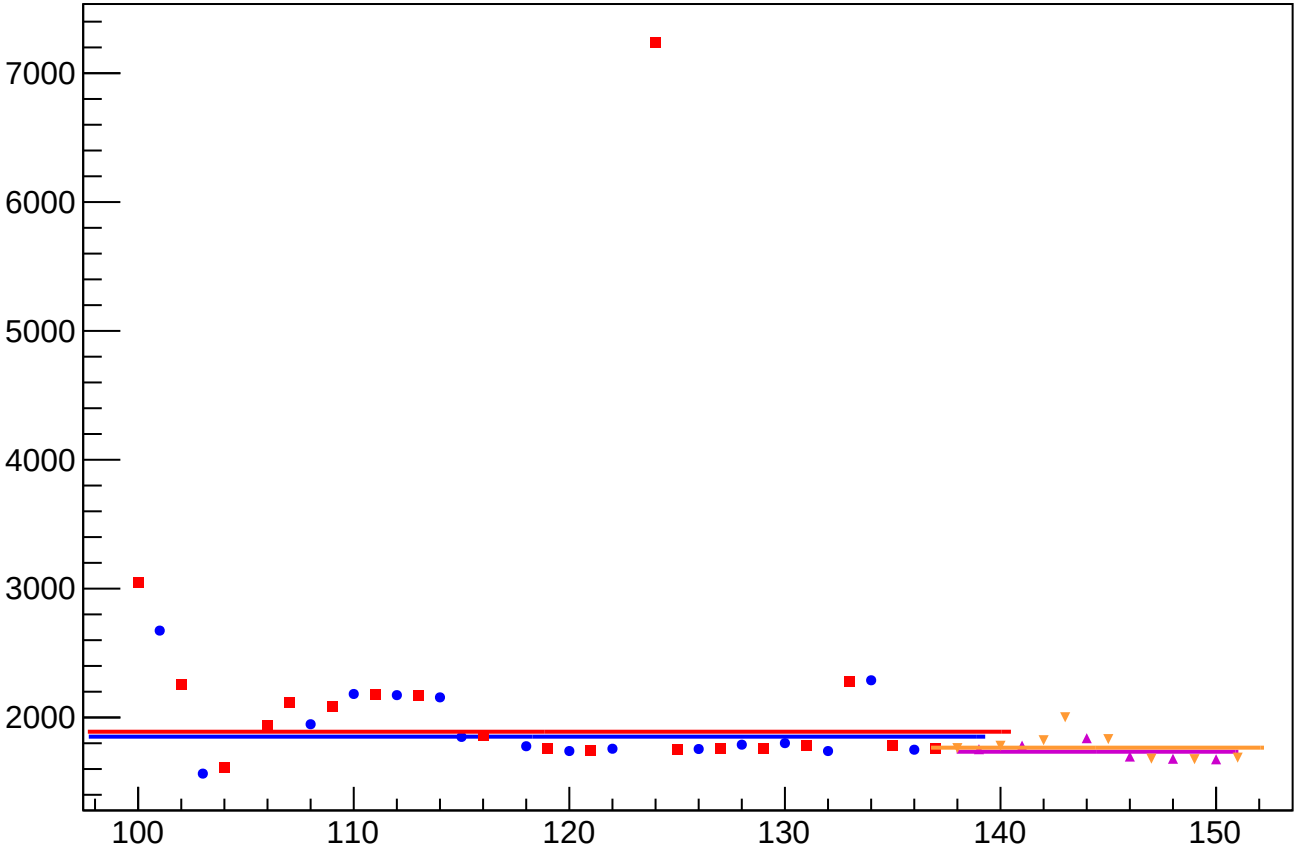
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1138.840+/-511.058 χ^2/NDF:18.2/21

Out: 321.979+/-500.657 χ^2/NDF:26.0/26

All: -393.414+/-357.639 χ^2/NDF: 48.4/48

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1765.785+/-0.502 χ^2/NDF:38377.6/7

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1734.196+/-0.534 χ^2/NDF:12193.2/5

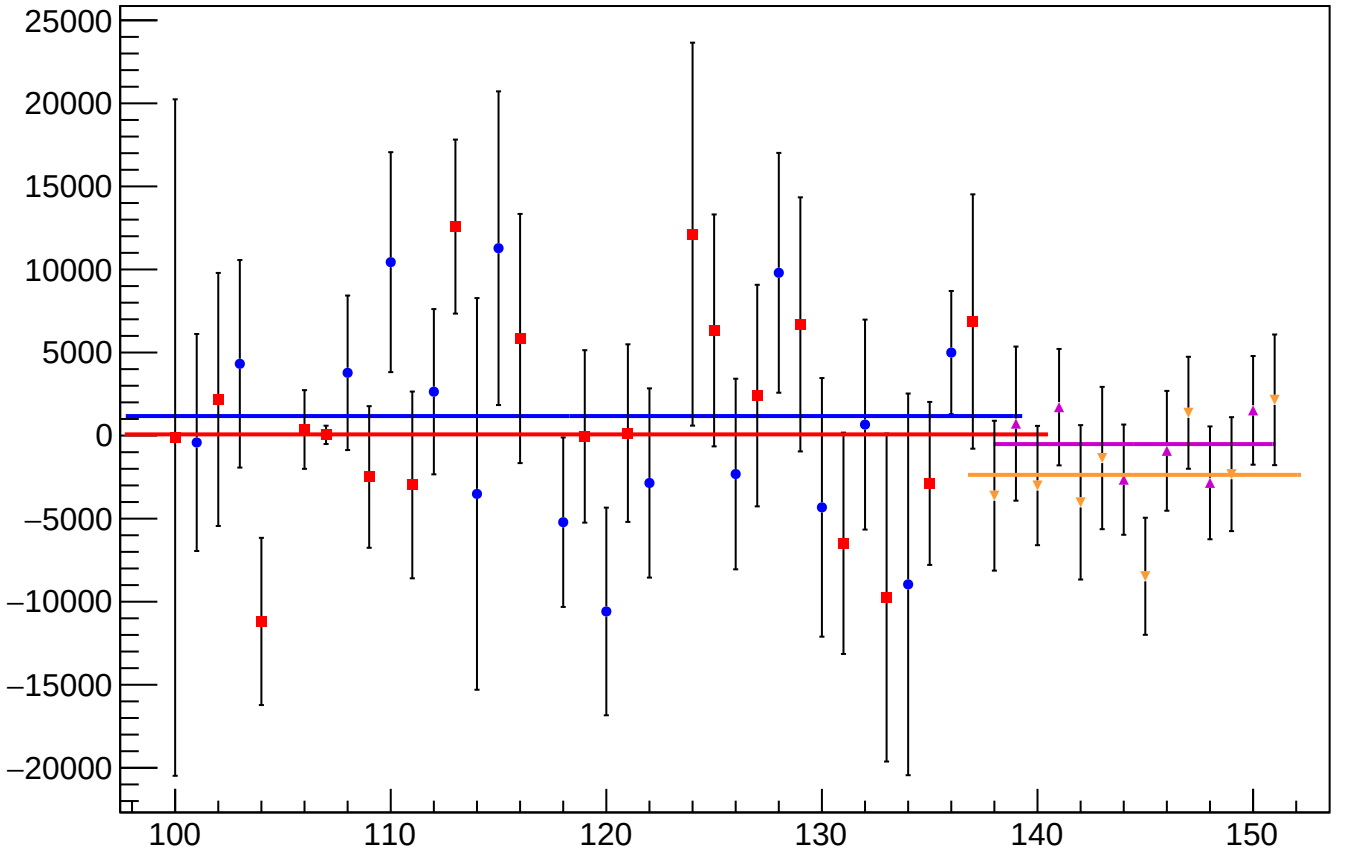
Left: 1750.970+/-0.366 χ^2/NDF: 52426.6/13

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1797.647+/-0.361 χ^2/NDF:298161.3/21

Out: 1828.170+/-0.354 χ^2/NDF:427893.9/26

All: 1813.240+/-0.253 χ^2/NDF: 729699.9/48



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -2363.788+/-1353.653 χ^2/NDF:5.8/7

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -511.432+/-1449.846 χ^2/NDF:1.8/5

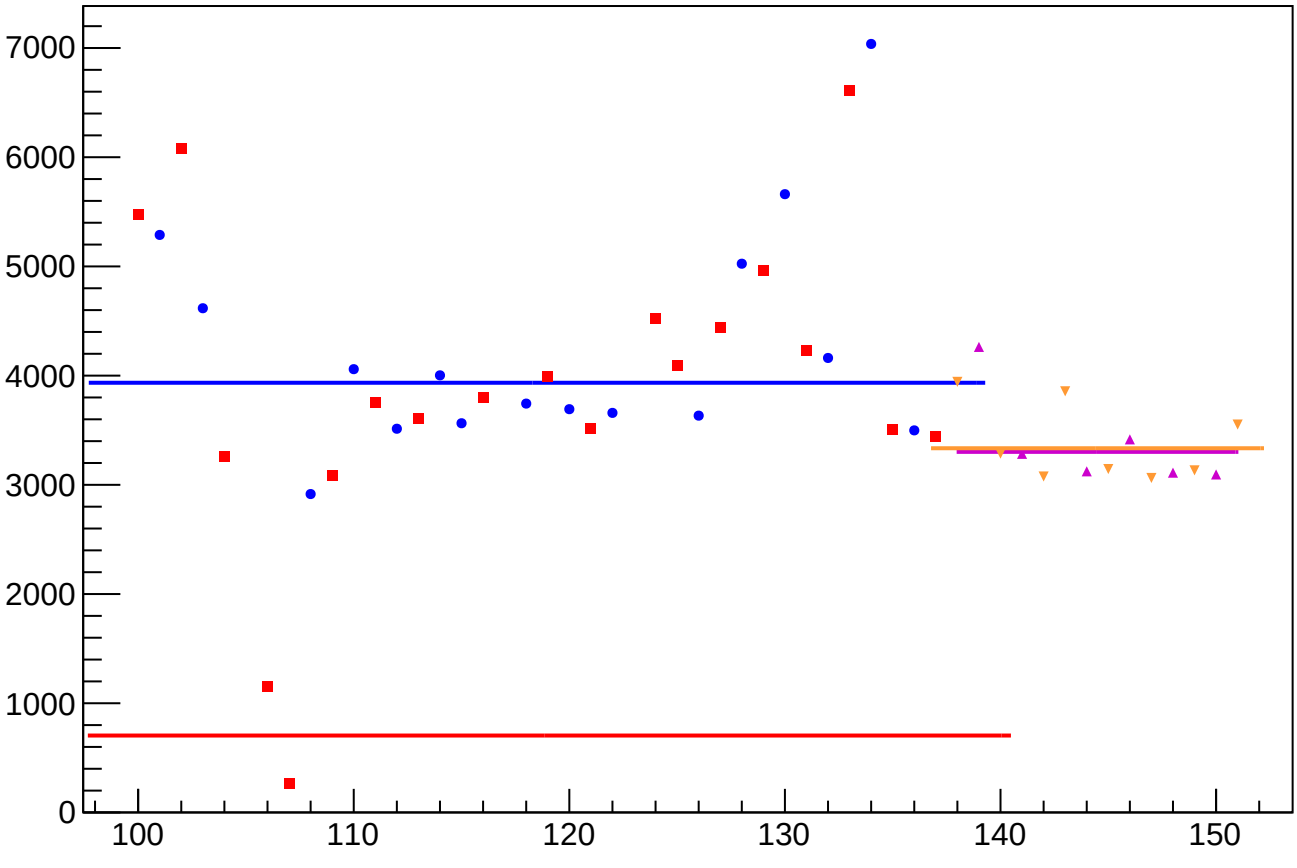
Left: -1501.093+/-989.437 χ^2/NDF: 8.5/13

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 302.133+/-1043.190 χ^2/NDF:16.1/21

Out: -225.708+/-473.717 χ^2/NDF:26.6/26

All: -135.470+/-431.327 χ^2/NDF: 43.0/48



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3335.079+/-0.957 χ^2/NDF:104477.5/7

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3301.920+/-1.025 χ^2/NDF:108011.4/5

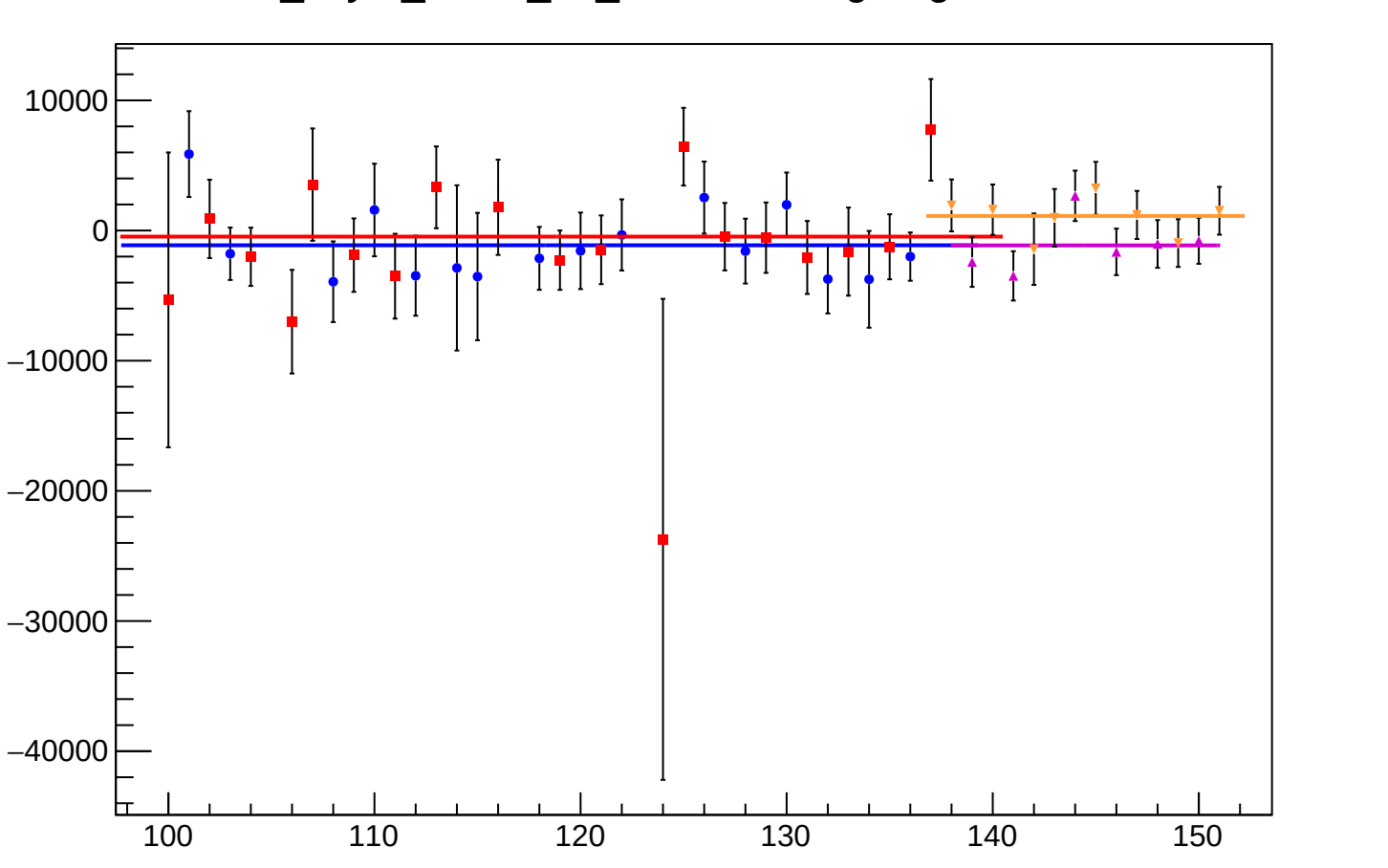
Left: 3319.636+/-0.700 χ^2/NDF: 213047.9/13

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3607.115+/-0.738 χ^2/NDF:851887.6/21

Out: 1026.561+/-0.335 χ^2/NDF:17351678.5/26

All: 1467.725+/-0.305 χ^2/NDF: 28349833.4/4



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1118.914+/-710.165 χ^2/NDF:3.5/7

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1143.853+/-755.668 χ^2/NDF:6.0/5

Left: 57.706+/-517.502 χ^2/NDF: 14.2/13

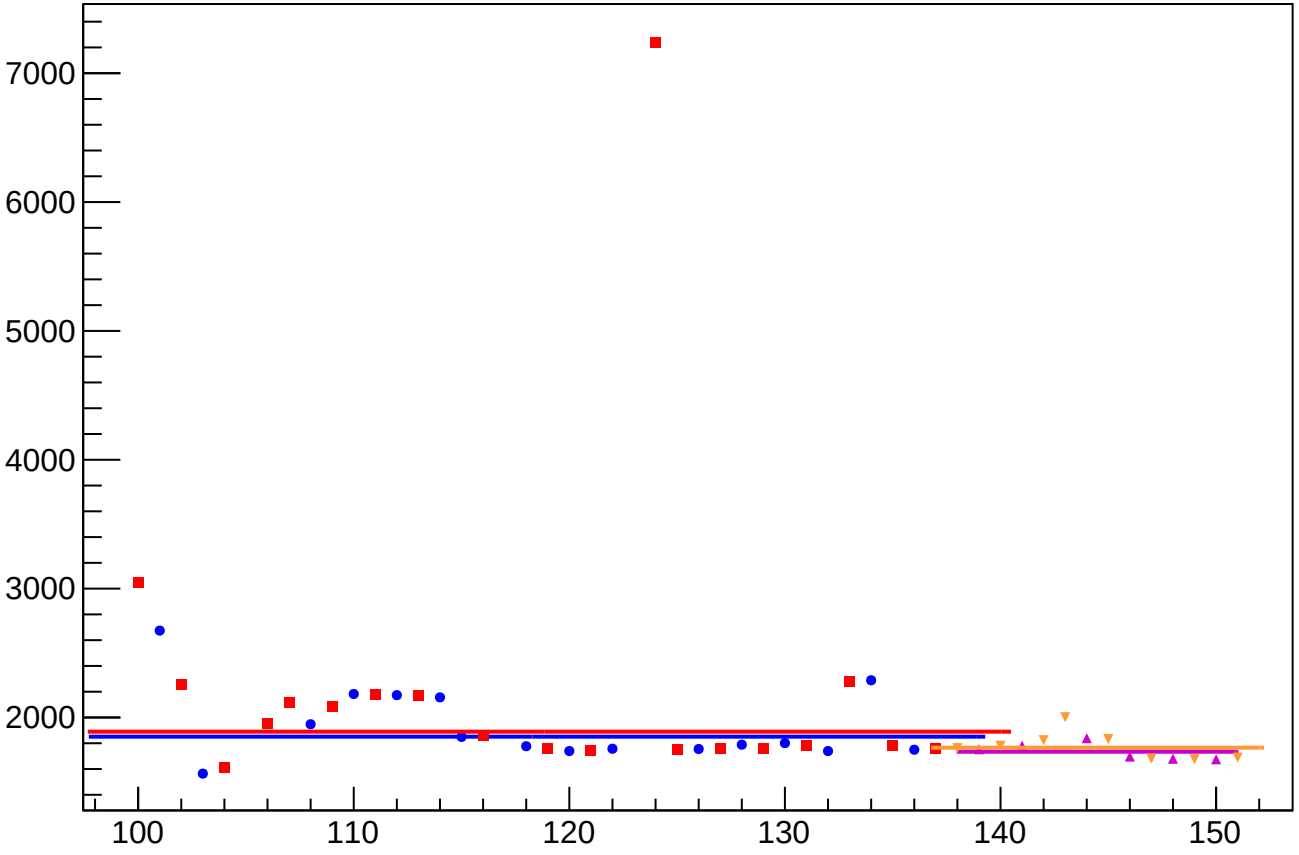
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1138.617+/-511.058 χ^2/NDF:18.2/21

Out: 321.766+/-500.658 χ^2/NDF:26.1/26

All: -393.414+/-357.639 χ^2/NDF: 48.4/48

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1765.785+/-0.502 χ^2/NDF:38377.6/7

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1734.196+/-0.534 χ^2/NDF:12193.2/5

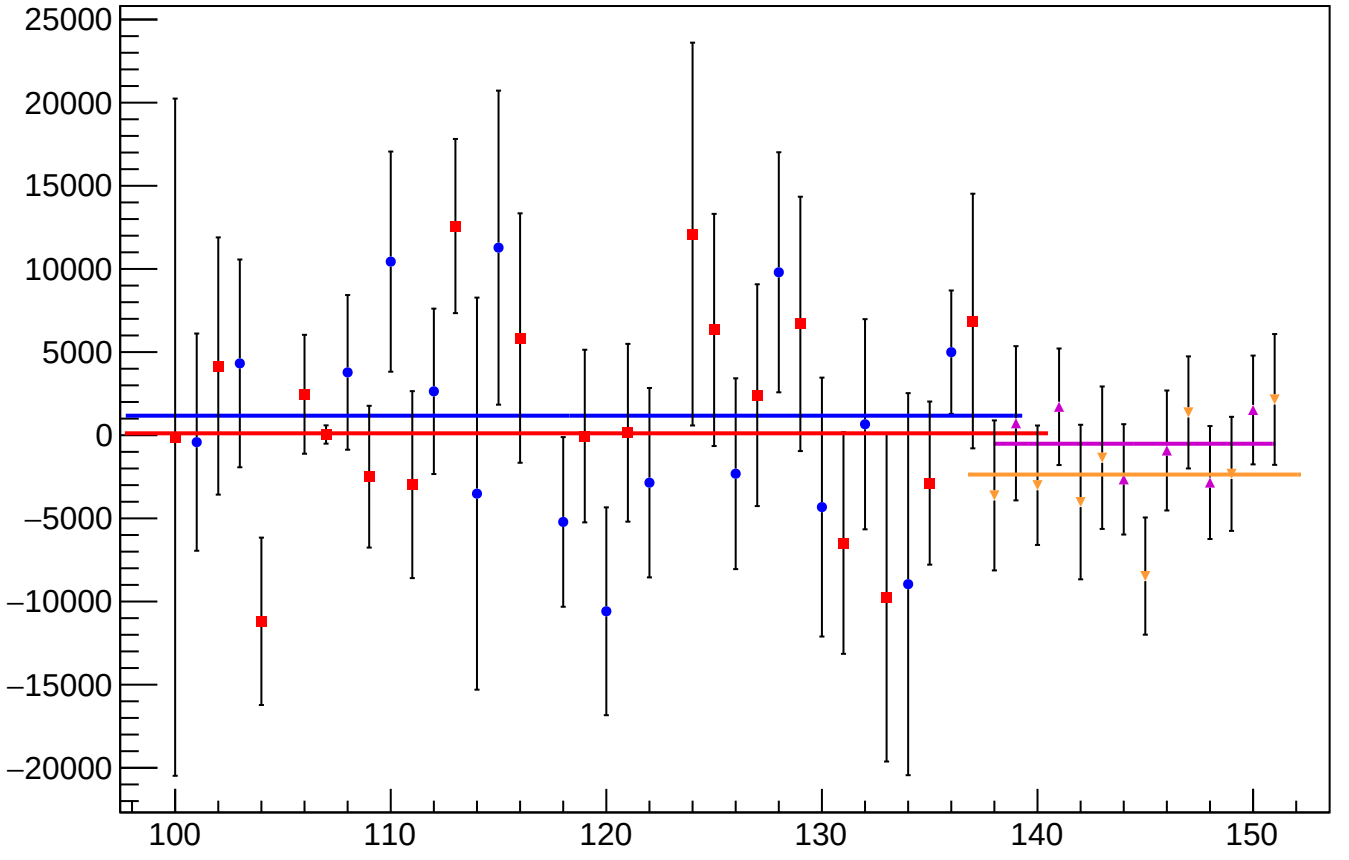
Left: 1750.970+/-0.366 χ^2/NDF: 52426.6/13

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1797.647+/-0.361 χ^2/NDF:298160.6/21

Out: 1828.387+/-0.354 χ^2/NDF:428333.8/26

All: 1813.349+/-0.253 χ^2/NDF: 730190.6/48



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -2363.879+/-1353.648 χ^2/NDF:5.8/7

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -511.455+/-1449.847 χ^2/NDF:1.8/5

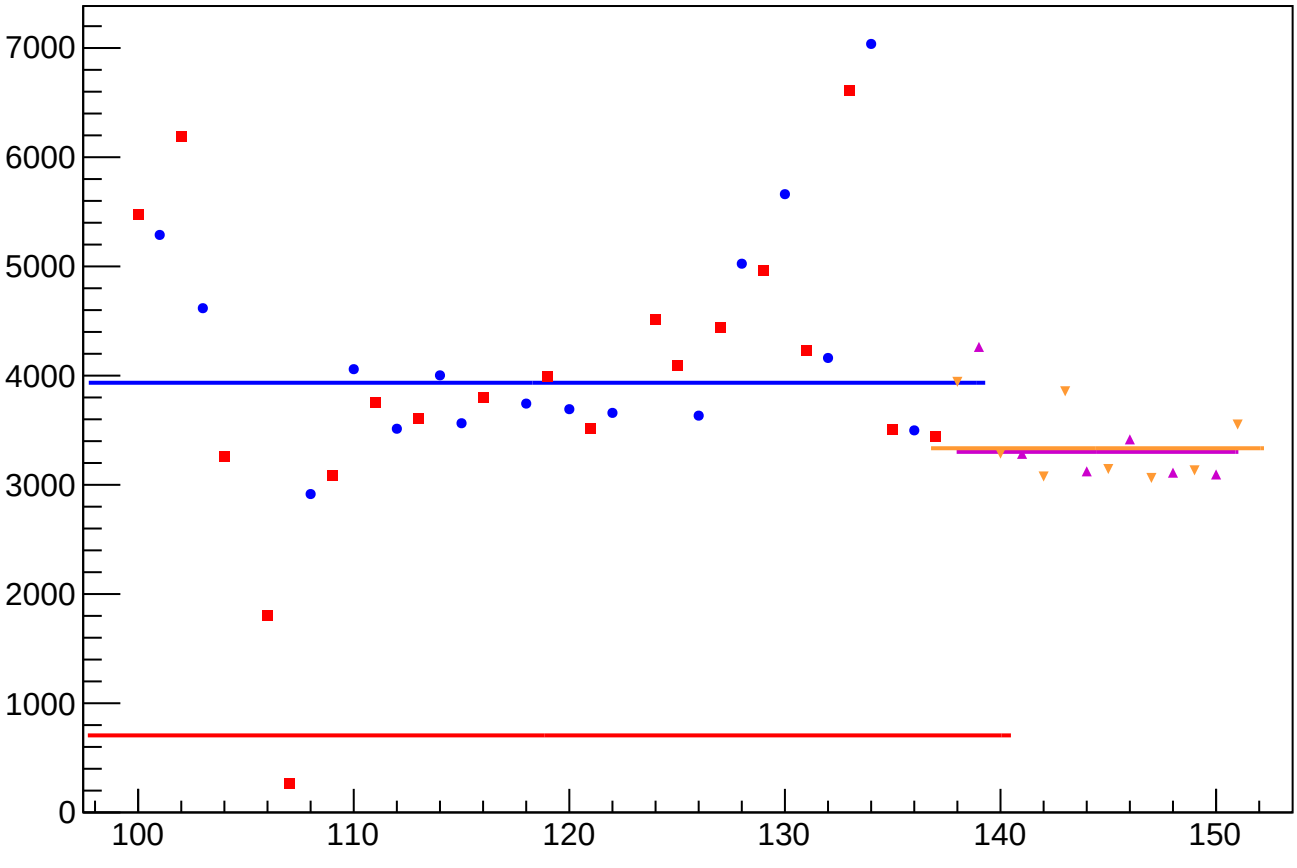
Left: -1501.156+/-989.436 χ^2/NDF: 8.5/13

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 302.107+/-1043.192 χ^2/NDF:16.1/21

Out: -194.756+/-479.125 χ^2/NDF:27.3/26

All: -108.203+/-435.399 χ^2/NDF: 43.7/48



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3335.066+/-0.957 χ^2/NDF:104481.8/7

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3301.922+/-1.025 χ^2/NDF:108010.9/5

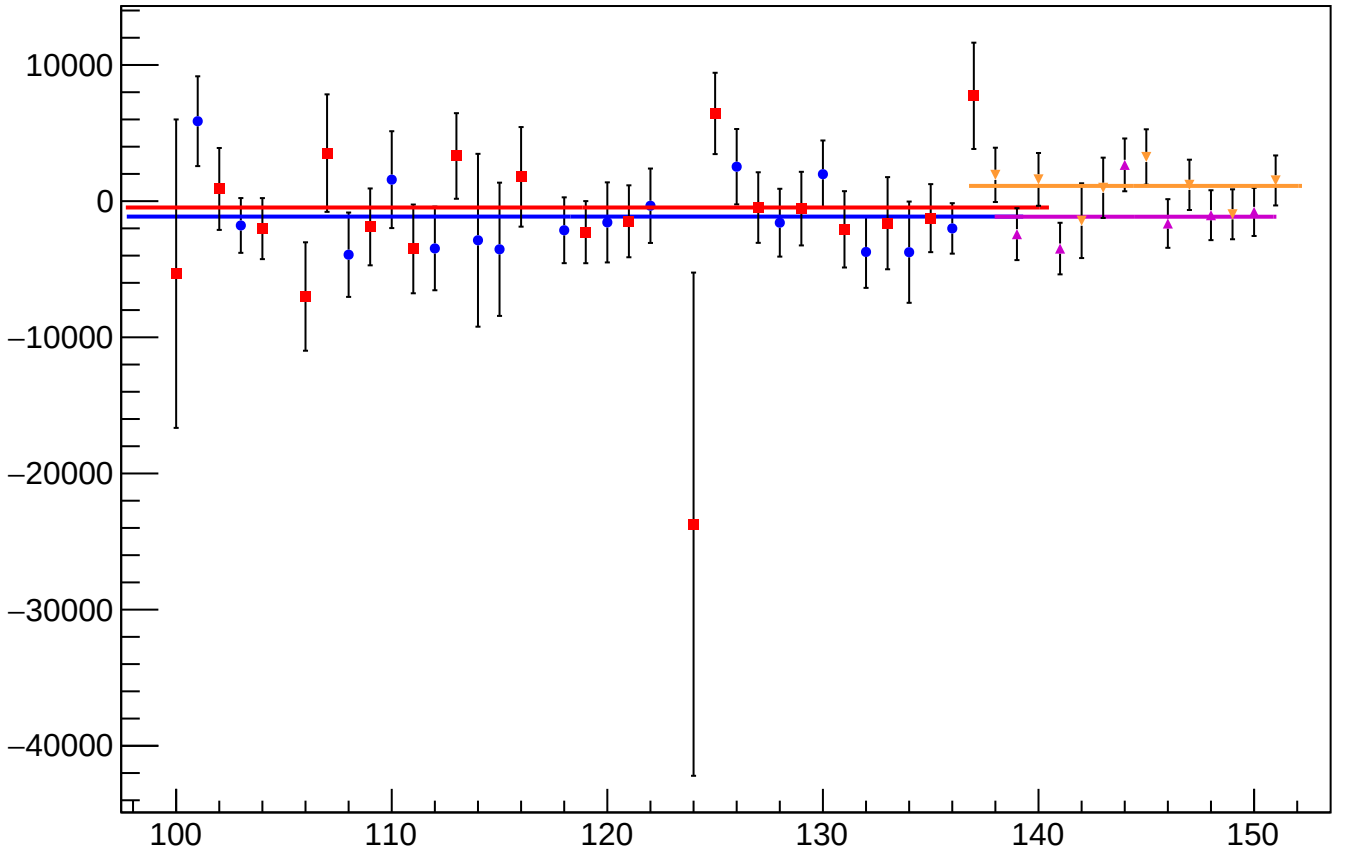
Left: 3319.630+/-0.700 χ^2/NDF: 213051.1/13

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3607.119+/-0.738 χ^2/NDF:851914.3/21

Out: 1035.041+/-0.339 χ^2/NDF:17452777.0/26

All: 1483.094+/-0.308 χ^2/NDF: 28344961.6/4



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1118.914+/-710.165 χ^2/NDF:3.5/7

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1143.853+/-755.668 χ^2/NDF:6.0/5

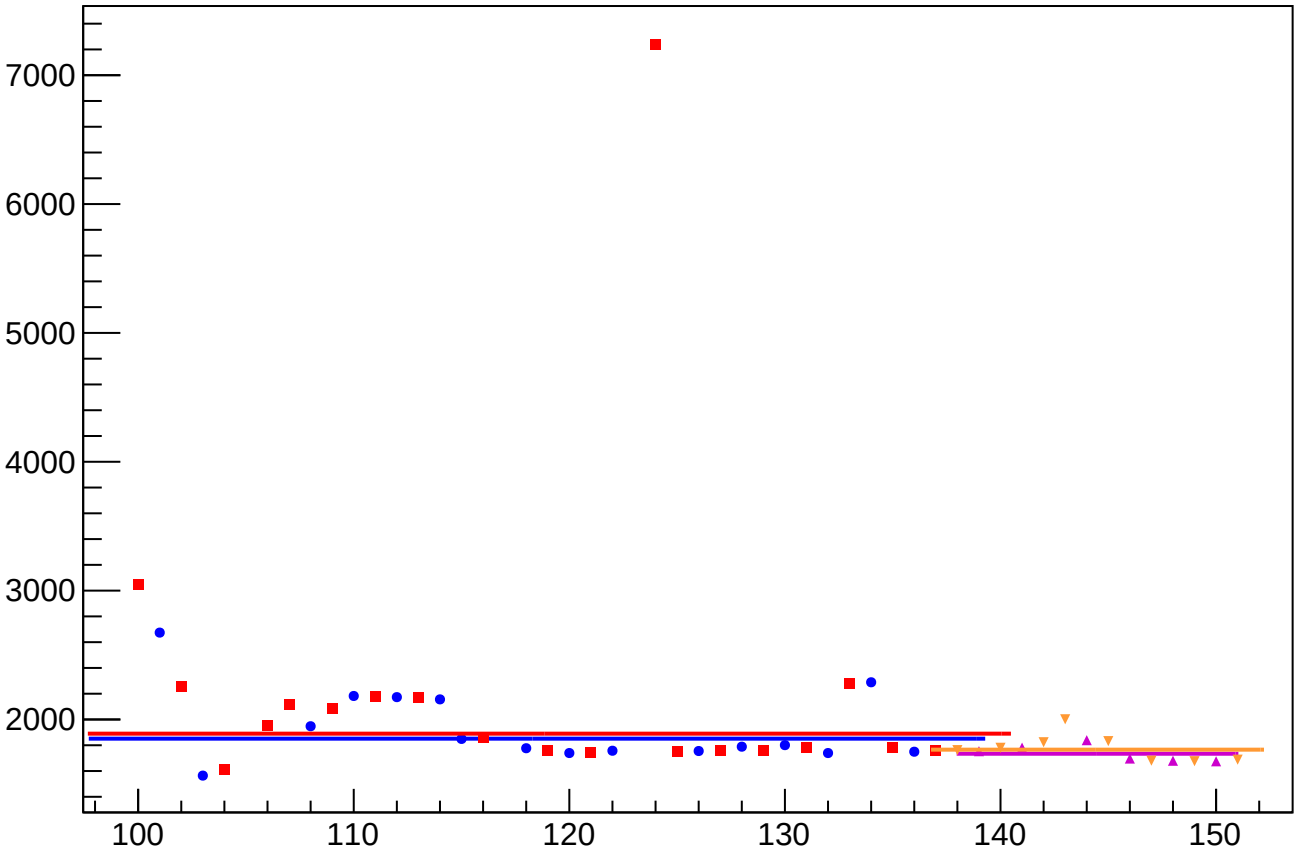
Left: 57.706+/-517.502 χ^2/NDF: 14.2/13

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1138.617+/-511.058 χ^2/NDF:18.2/21

Out: 321.766+/-500.658 χ^2/NDF:26.1/26

All: -393.414+/-357.639 χ^2/NDF: 48.4/48



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1765.785+/-0.502 χ^2/NDF:38377.6/7

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1734.196+/-0.534 χ^2/NDF:12193.2/5

Left: 1750.970+/-0.366 χ^2/NDF: 52426.6/13

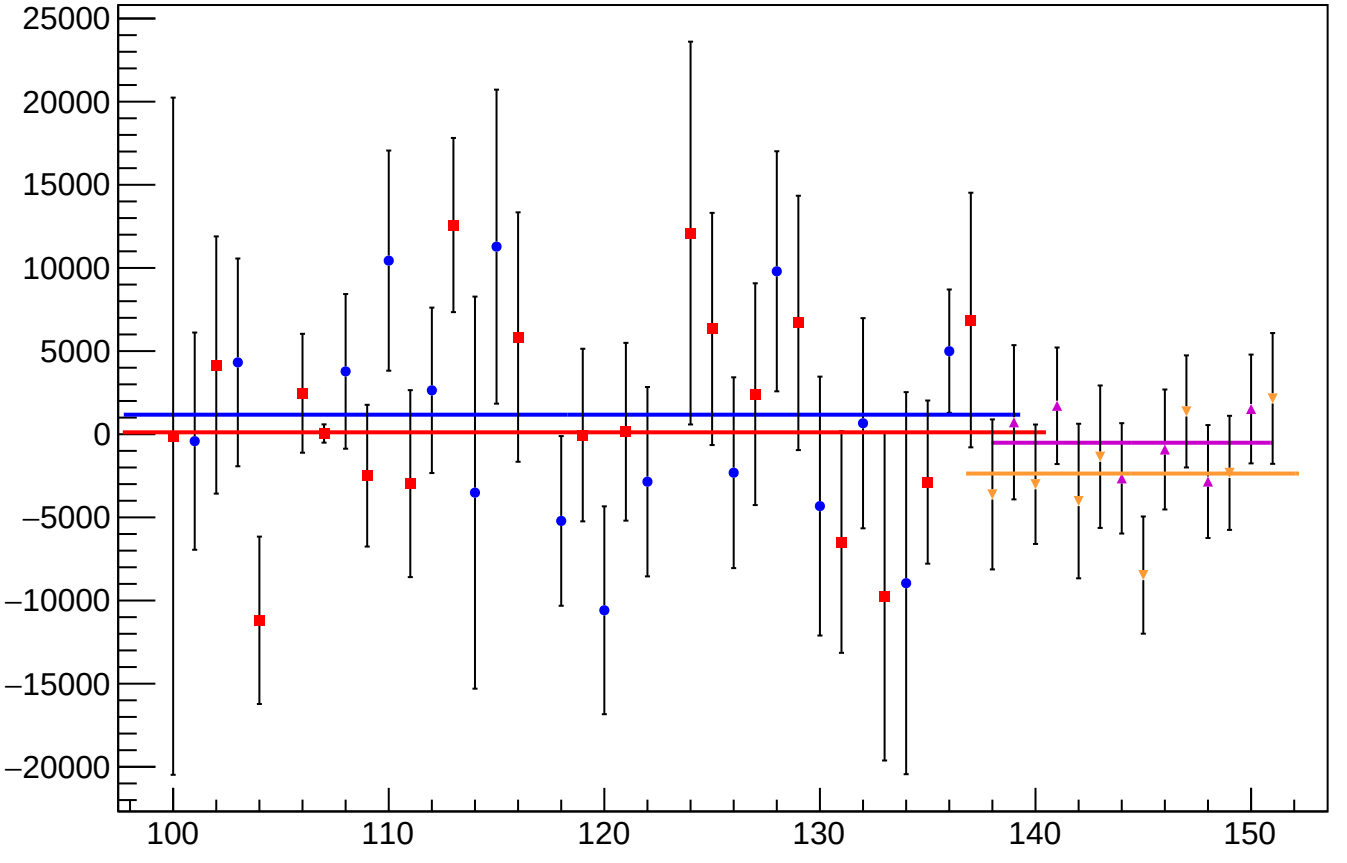
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1797.647+/-0.361 χ^2/NDF:298160.6/21

Out: 1828.387+/-0.354 χ^2/NDF:428333.8/26

All: 1813.349+/-0.253 χ^2/NDF: 730190.6/48

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: -2363.879+/-1353.648 χ^2/NDF:5.8/7

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -511.455+/-1449.847 χ^2/NDF:1.8/5

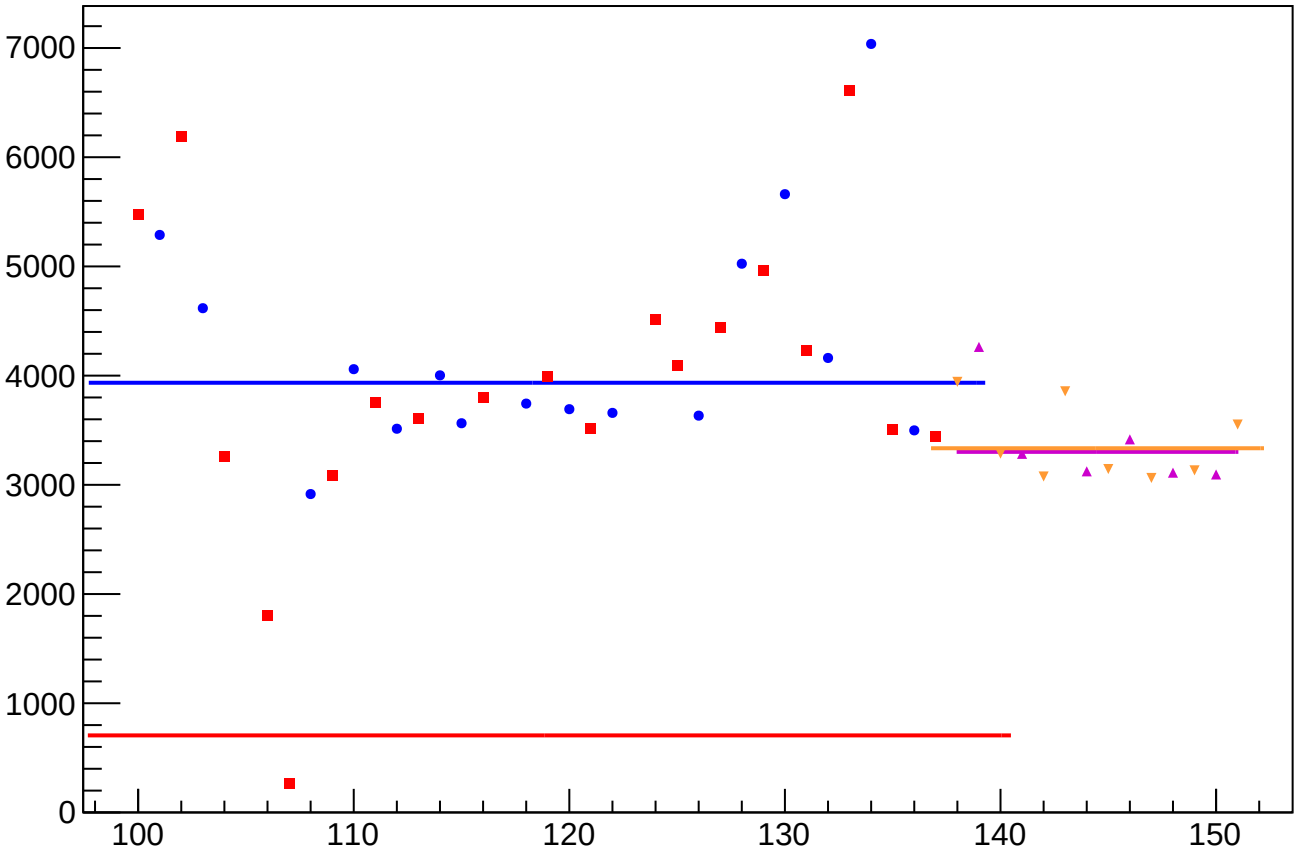
Left: -1501.156+/-989.436 χ^2/NDF: 8.5/13

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 302.107+/-1043.192 χ^2/NDF:16.1/21

Out: -194.756+/-479.125 χ^2/NDF:27.3/26

All: -108.203+/-435.399 χ^2/NDF: 43.7/48



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3335.066+/-0.957 χ^2/NDF:104481.8/7

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3301.922+/-1.025 χ^2/NDF:108010.9/5

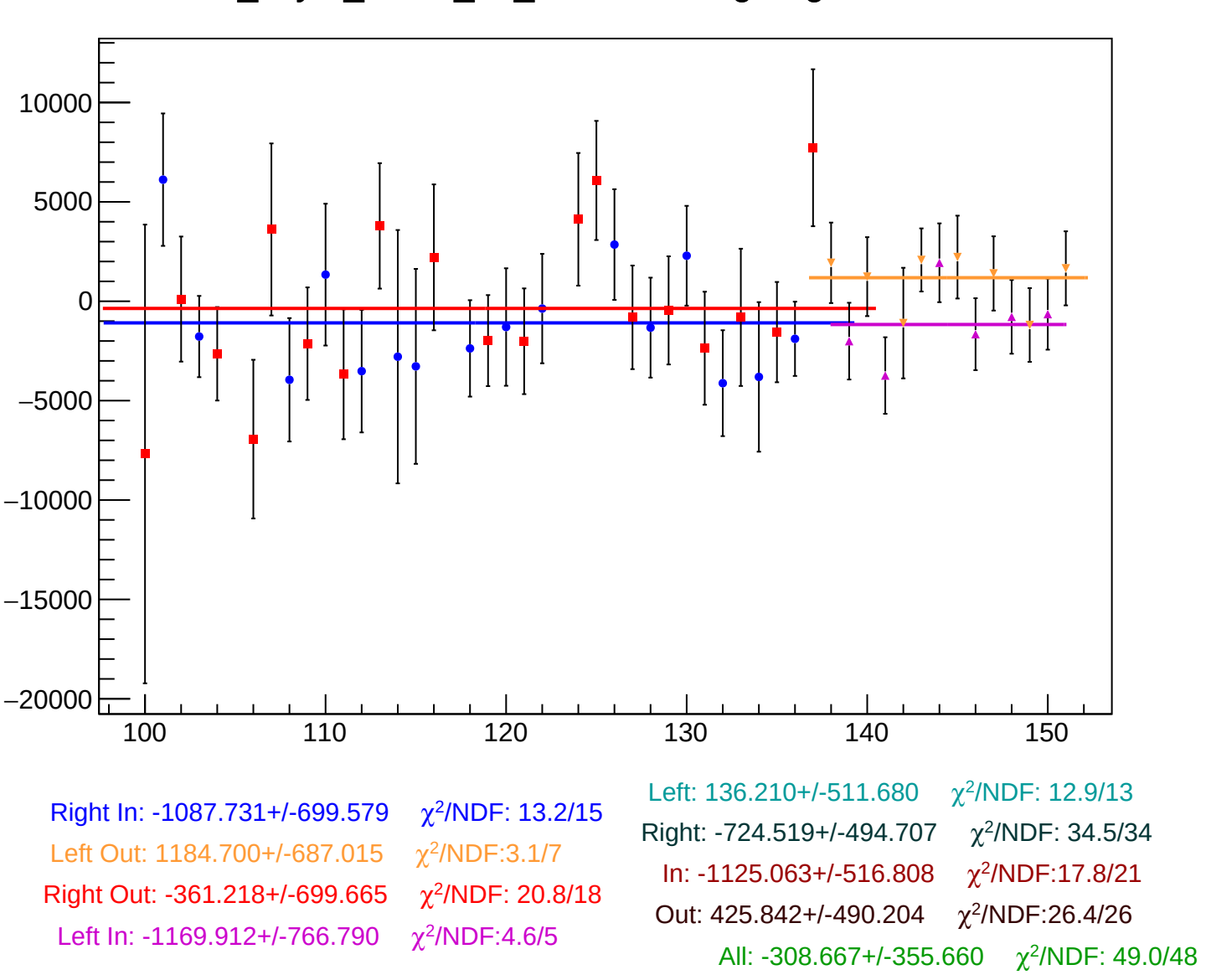
Left: 3319.630+/-0.700 χ^2/NDF: 213051.1/13

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

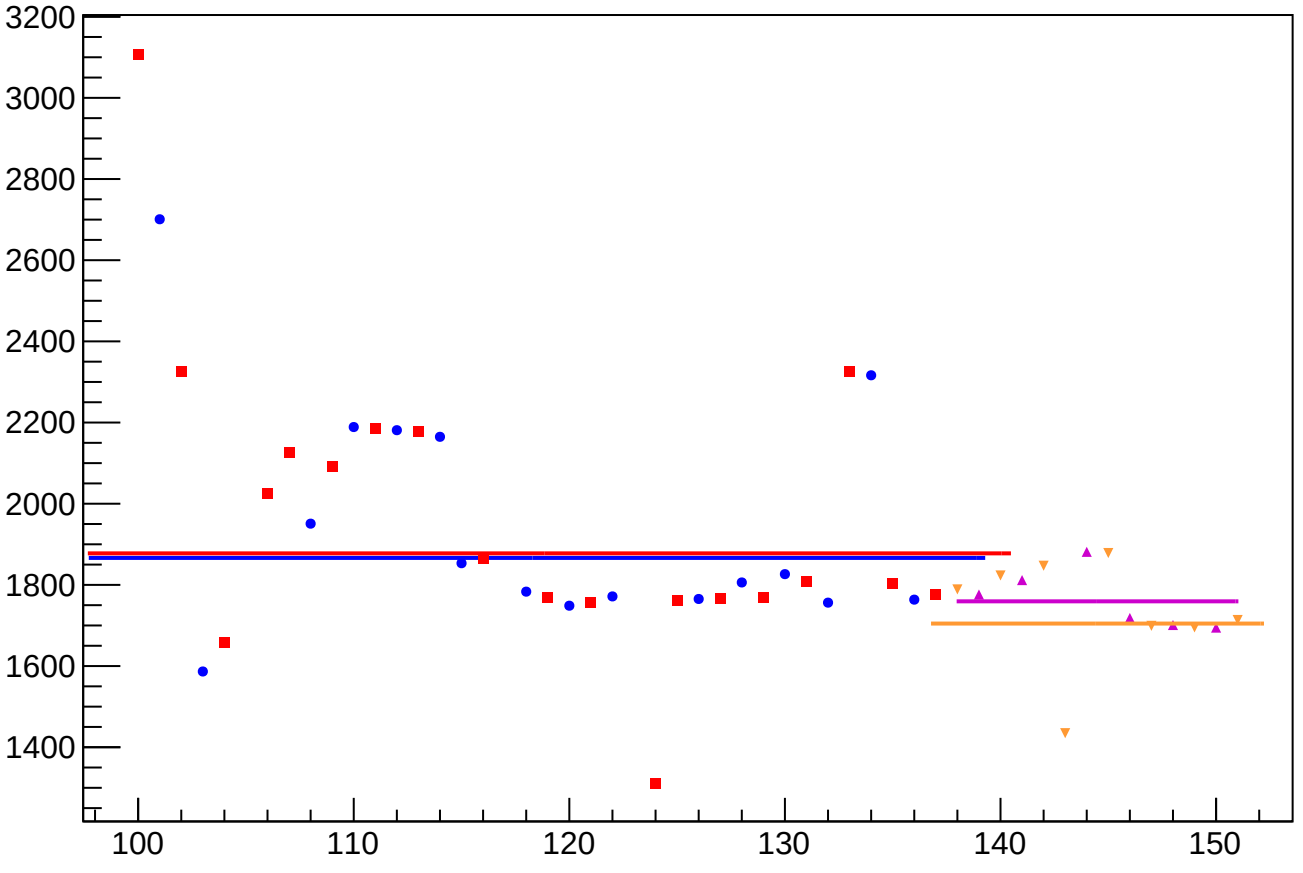
In: 3607.119+/-0.738 χ^2/NDF:851914.3/21

Out: 1035.041+/-0.339 χ^2/NDF:17452777.0/26

All: 1483.094+/-0.308 χ^2/NDF: 28344961.6/4


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 1184.700+/-687.015 χ²/NDF:3.1/7
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -1169.912+/-766.790 χ²/NDF:4.6/5
Left: 136.210+/-511.680 χ²/NDF: 12.9/13
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -1125.063+/-516.808 χ²/NDF:17.8/21
Out: 425.842+/-490.204 χ²/NDF:26.4/26
All: -308.667+/-355.660 χ²/NDF: 49.0/48

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1704.705+/-0.486 χ^2/NDF:87710.0/7

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1759.464+/-0.542 χ^2/NDF:14823.7/5

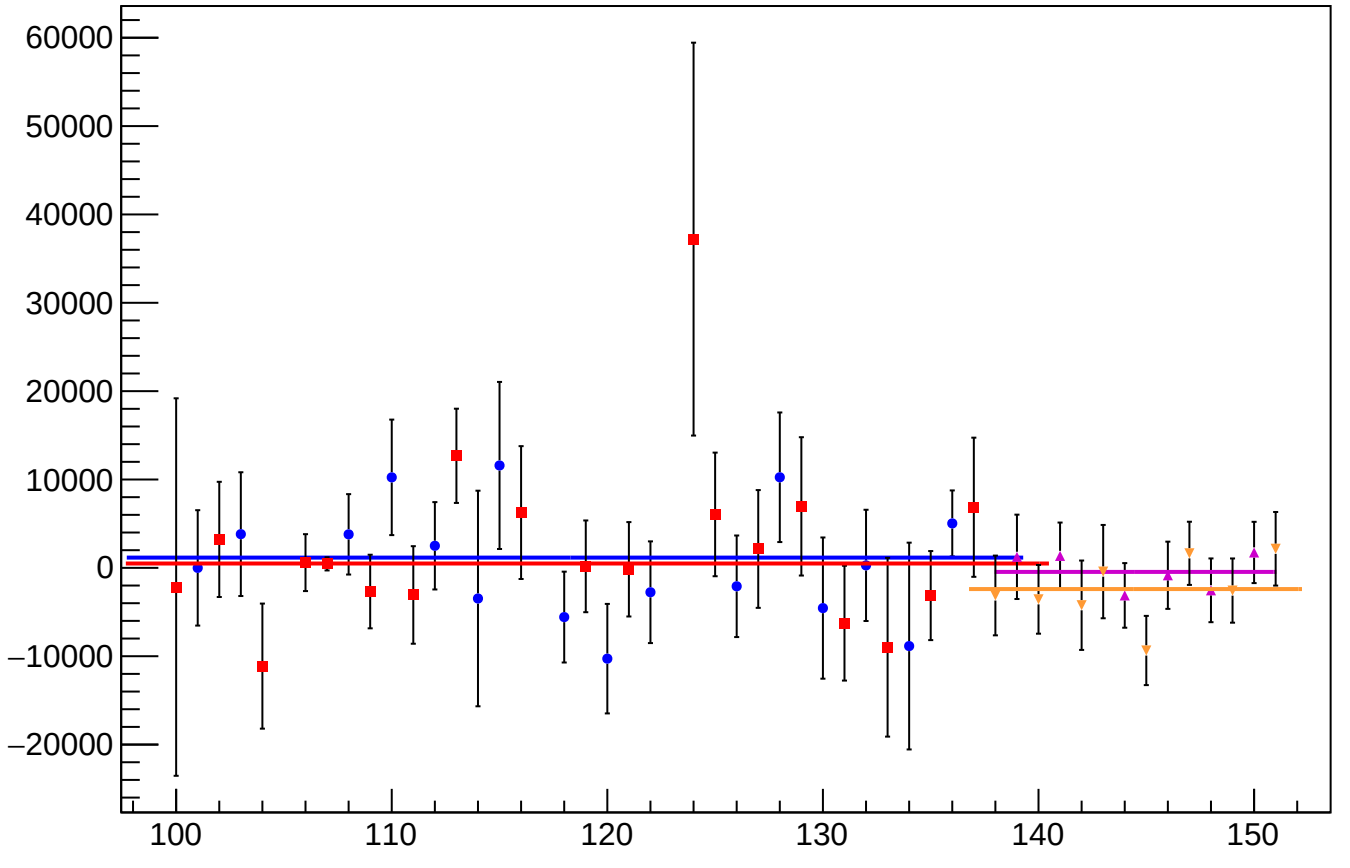
Left: 1729.089+/-0.362 χ^2/NDF: 108191.3/13

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1817.853+/-0.365 χ^2/NDF:292336.4/21

Out: 1789.676+/-0.346 χ^2/NDF:401832.8/26

All: 1803.015+/-0.251 χ^2/NDF: 697300.0/48



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -2399.020+/-1463.438 χ^2/NDF:6.0/7

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -457.771+/-1546.618 χ^2/NDF:1.6/5

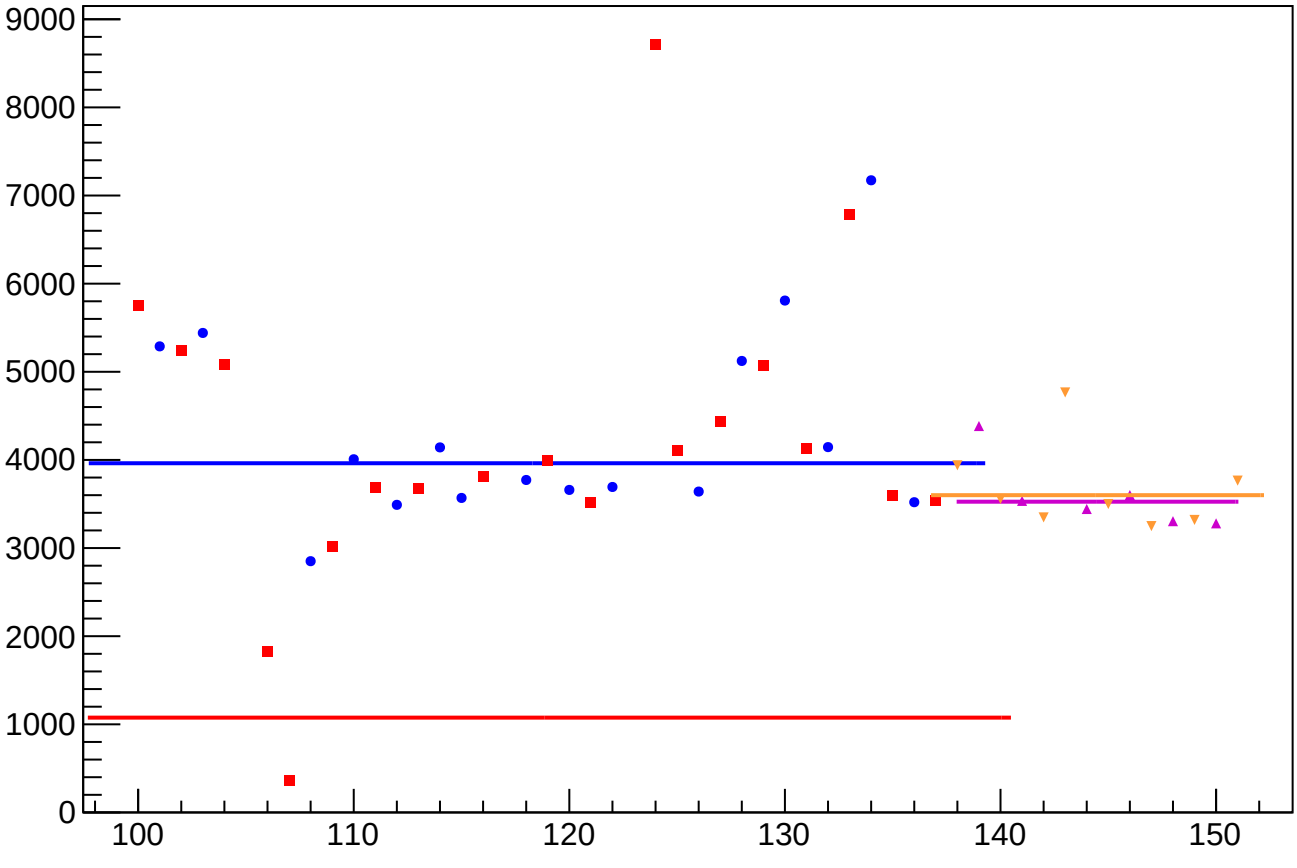
Left: -1481.999+/-1062.997 χ^2/NDF: 8.5/13

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 369.877+/-1081.259 χ^2/NDF:15.8/21

Out: 5.954+/-600.515 χ^2/NDF:26.2/26

All: 91.744+/-524.983 χ^2/NDF: 42.1/48



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3600.009+/-1.035 χ^2/NDF:149594.8/7

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3526.004+/-1.094 χ^2/NDF:84062.3/5

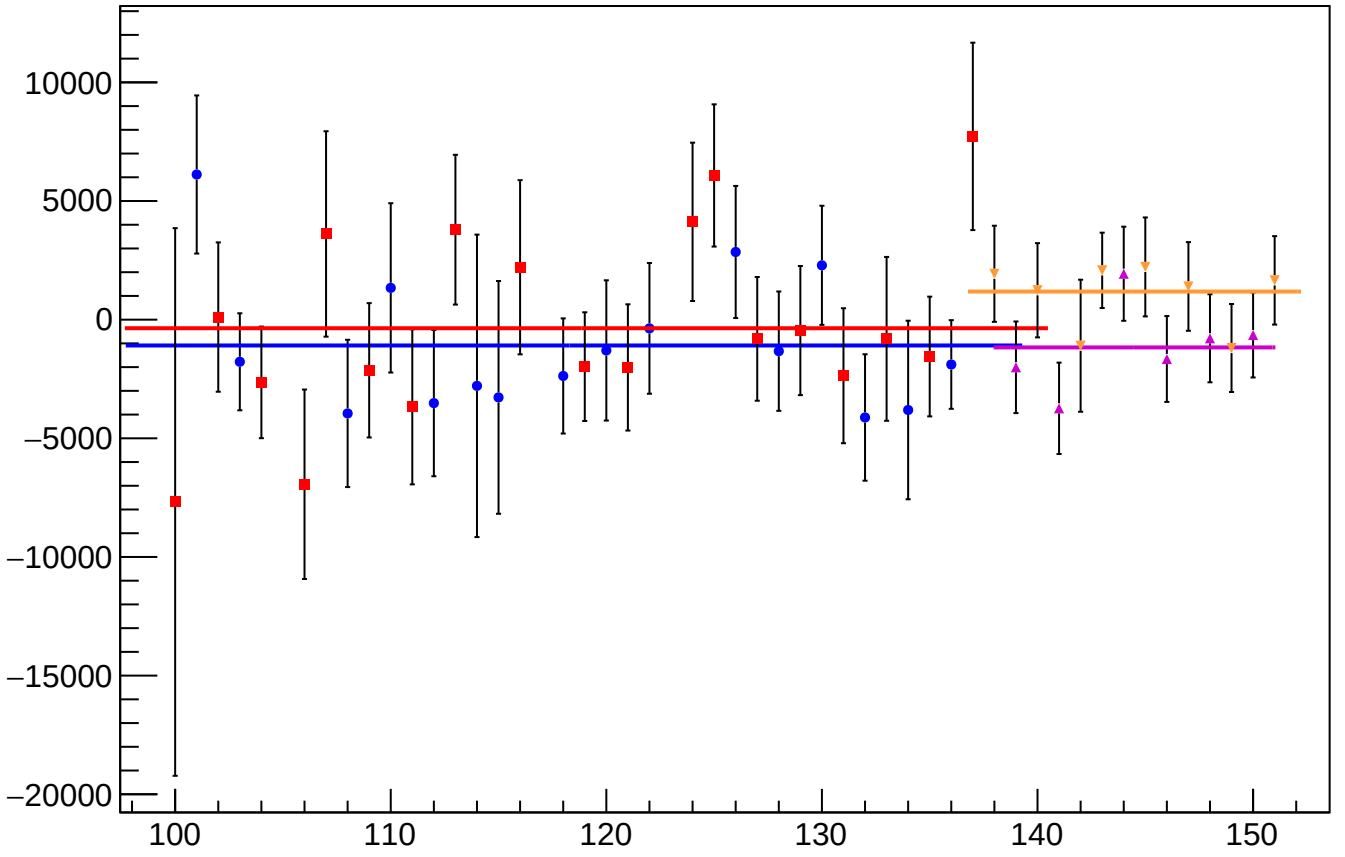
Left: 3565.050+/-0.752 χ^2/NDF: 236073.2/13

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3749.092+/-0.765 χ^2/NDF:833795.0/21

Out: 1500.966+/-0.425 χ^2/NDF:14655640.9/26

All: 2030.936+/-0.371 χ^2/NDF: 22097183.9/4



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1184.694+/-687.016 χ^2/NDF:3.1/7

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1169.910+/-766.790 χ^2/NDF:4.6/5

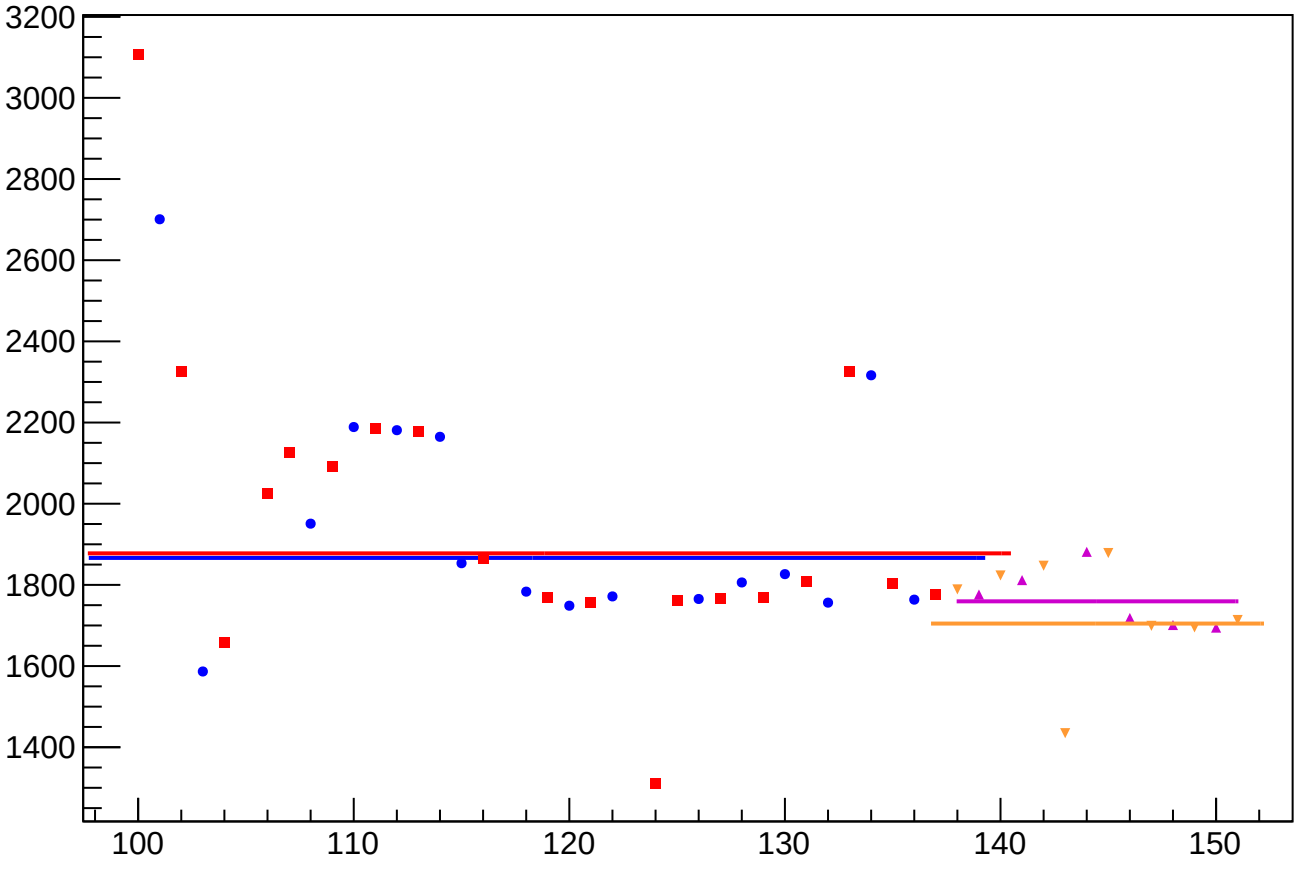
Left: 136.208+/-511.680 χ^2/NDF: 12.9/13

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1125.064+/-516.808 χ^2/NDF:17.8/21

Out: 425.836+/-490.204 χ^2/NDF:26.4/26

All: -308.670+/-355.660 χ^2/NDF: 49.0/48



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1704.706+/-0.486 χ^2/NDF:87709.1/7

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1759.464+/-0.542 χ^2/NDF:14823.6/5

Left: 1729.090+/-0.362 χ^2/NDF: 108190.3/13

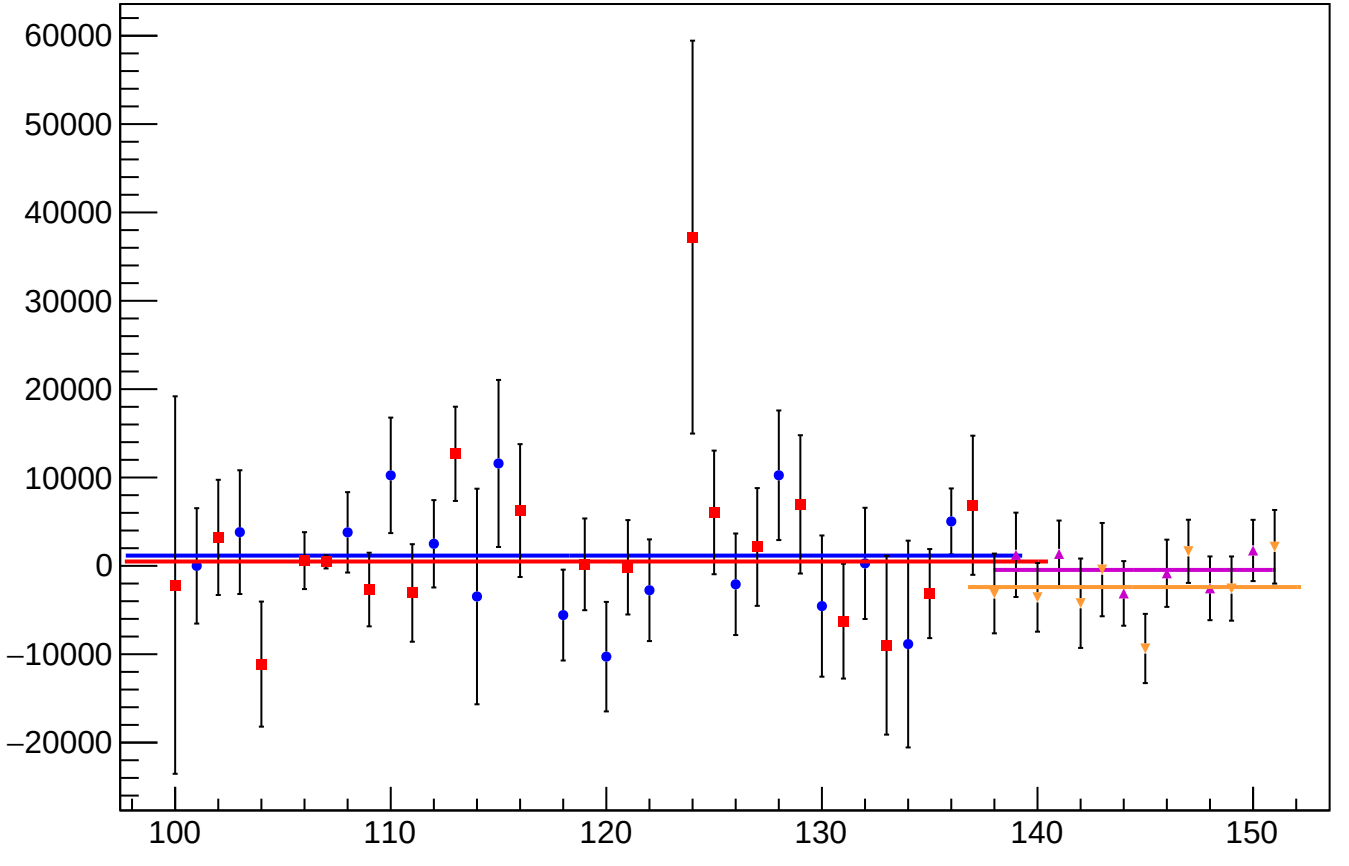
Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1817.854+/-0.365 χ^2/NDF:292335.9/21

Out: 1789.677+/-0.346 χ^2/NDF:401831.5/26

All: 1803.015+/-0.251 χ^2/NDF: 697298.1/48

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -2399.023+/-1463.439 χ^2/NDF:6.0/7

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -457.767+/-1546.620 χ^2/NDF:1.6/5

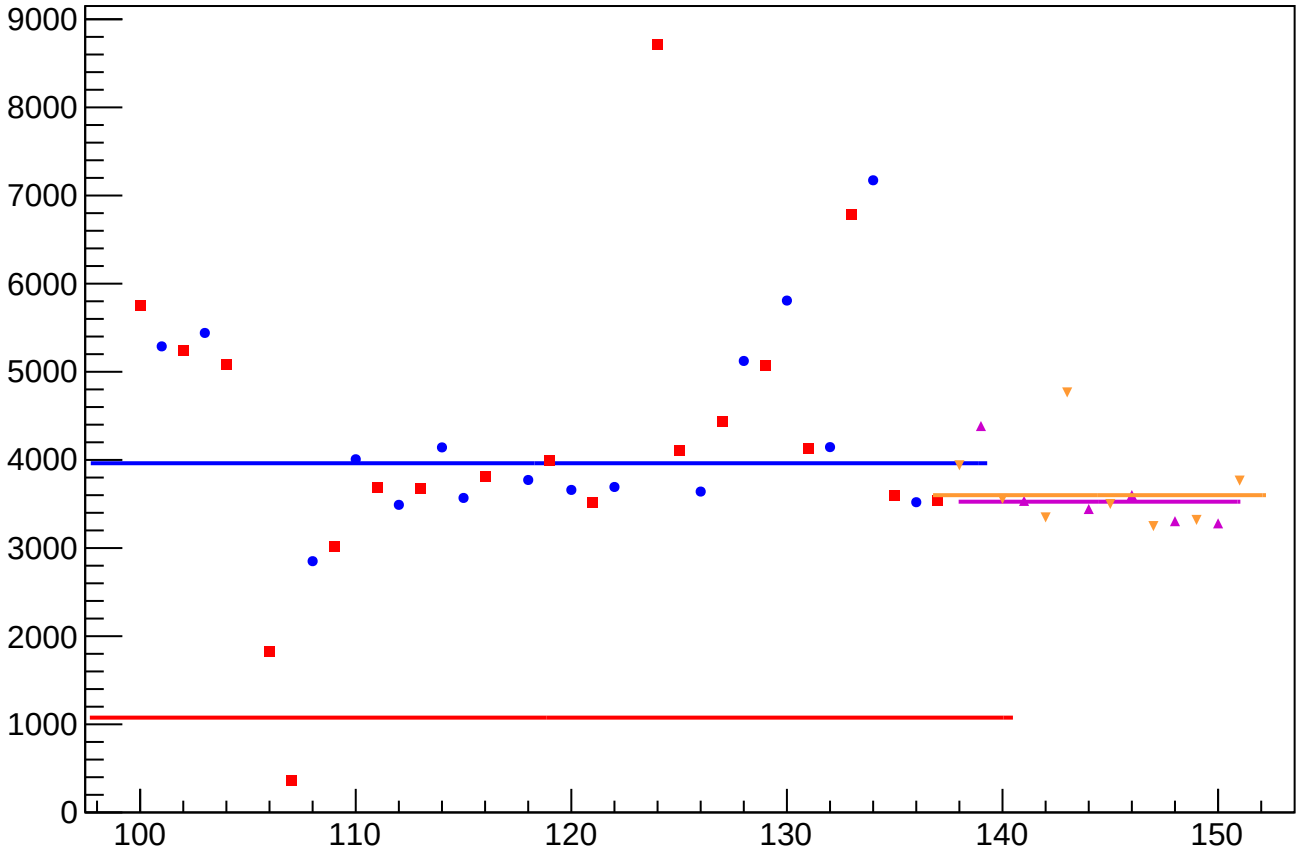
Left: -1481.999+/-1062.998 χ^2/NDF: 8.5/13

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 369.871+/-1081.259 χ^2/NDF:15.8/21

Out: 5.947+/-600.524 χ^2/NDF:26.2/26

All: 91.740+/-524.988 χ^2/NDF: 42.1/48



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3600.013+/-1.035 χ^2/NDF:149593.2/7

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3526.009+/-1.094 χ^2/NDF:84062.6/5

Left: 3565.054+/-0.752 χ^2/NDF: 236071.8/13

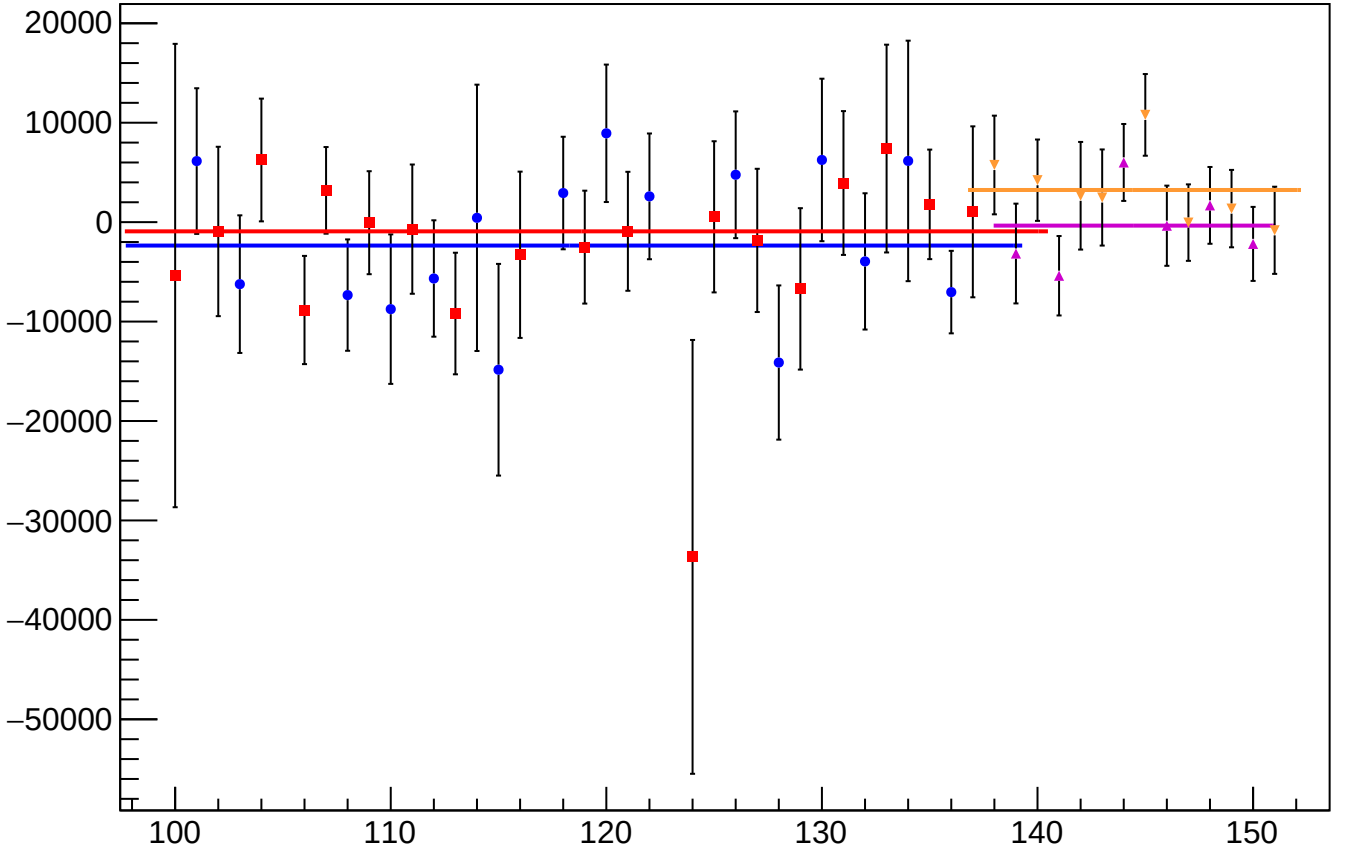
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3749.092+/-0.765 χ^2/NDF:833787.5/21

Out: 1501.003+/-0.425 χ^2/NDF:14655369.0/26

All: 2030.976+/-0.371 χ^2/NDF: 22096644.2/4

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 3234.368+/-1538.958 χ^2/NDF:5.5/7

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -348.708+/-1644.086 χ^2/NDF:5.1/5

Left: 1561.041+/-1123.536 χ^2/NDF: 13.2/13

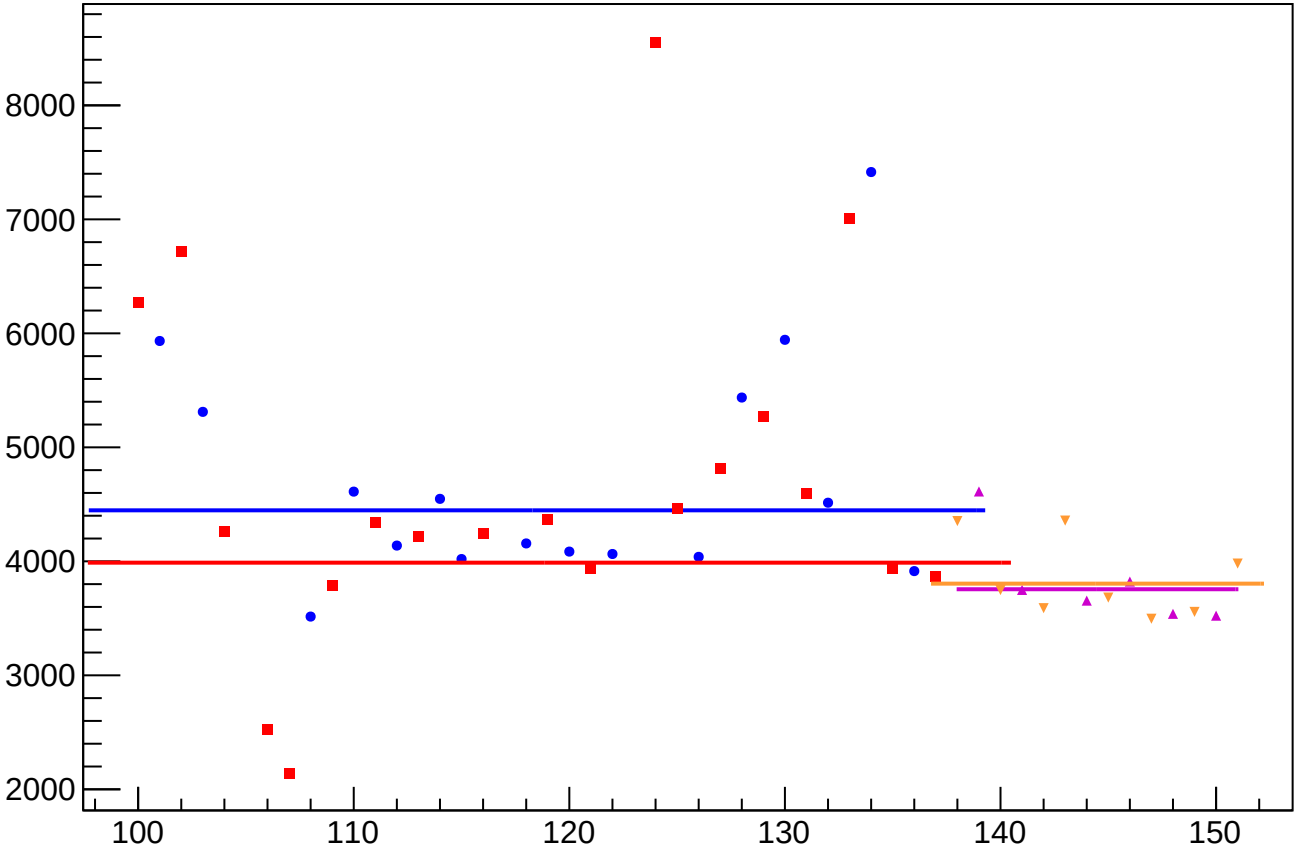
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -1327.257+/-1176.670 χ^2/NDF:21.4/21

Out: 1165.425+/-1091.001 χ^2/NDF:19.8/26

All: 13.119+/-800.028 χ^2/NDF: 43.6/48

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3804.238+/-1.088 χ^2/NDF:80135.5/7

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 3755.159+/-1.163 χ^2/NDF:74345.9/5

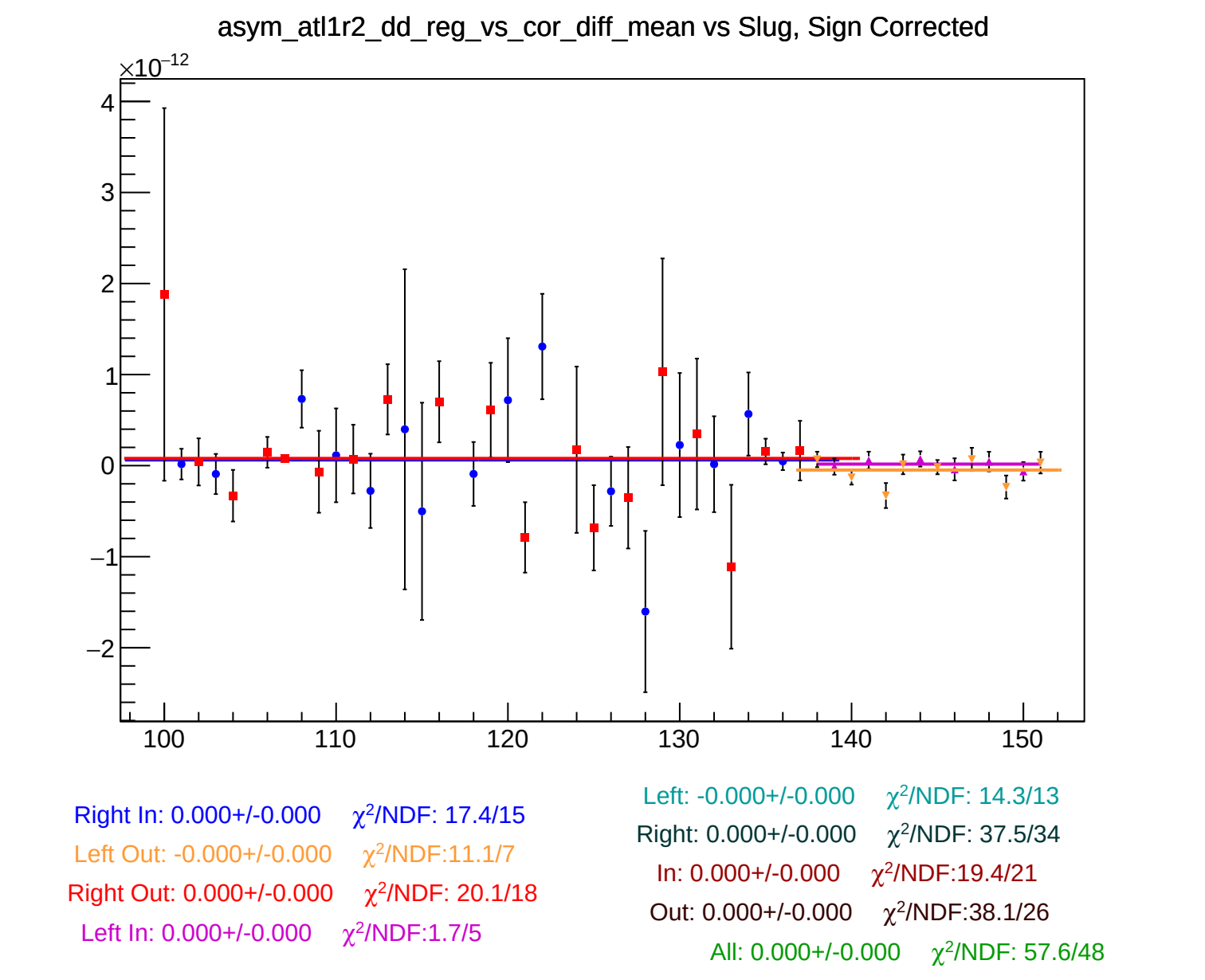
Left: 3781.318+/-0.794 χ^2/NDF: 155431.3/13

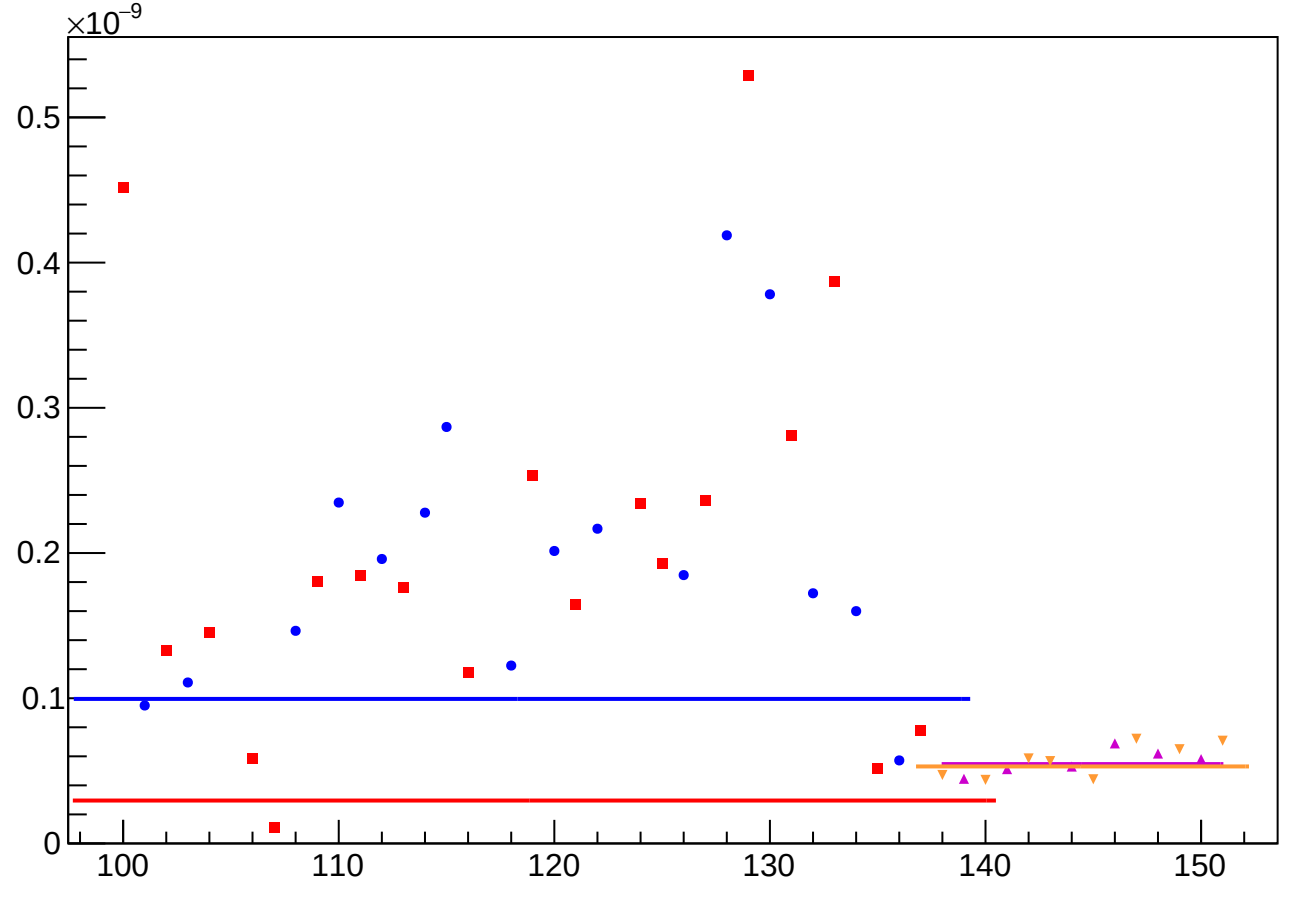
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4092.829+/-0.832 χ^2/NDF:705556.9/21

Out: 3896.687+/-0.768 χ^2/NDF:1238433.4/26

All: 3986.873+/-0.564 χ^2/NDF: 1974010.7/48


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:11.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:1.7/5
Left: -0.000+/-0.000 χ²/NDF: 14.3/13
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:19.4/21
Out: 0.000+/-0.000 χ²/NDF:38.1/26
All: 0.000+/-0.000 χ²/NDF: 57.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:175309.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:68681.8/5

Left: 0.000+/-0.000 χ^2/NDF: 245861.0/13

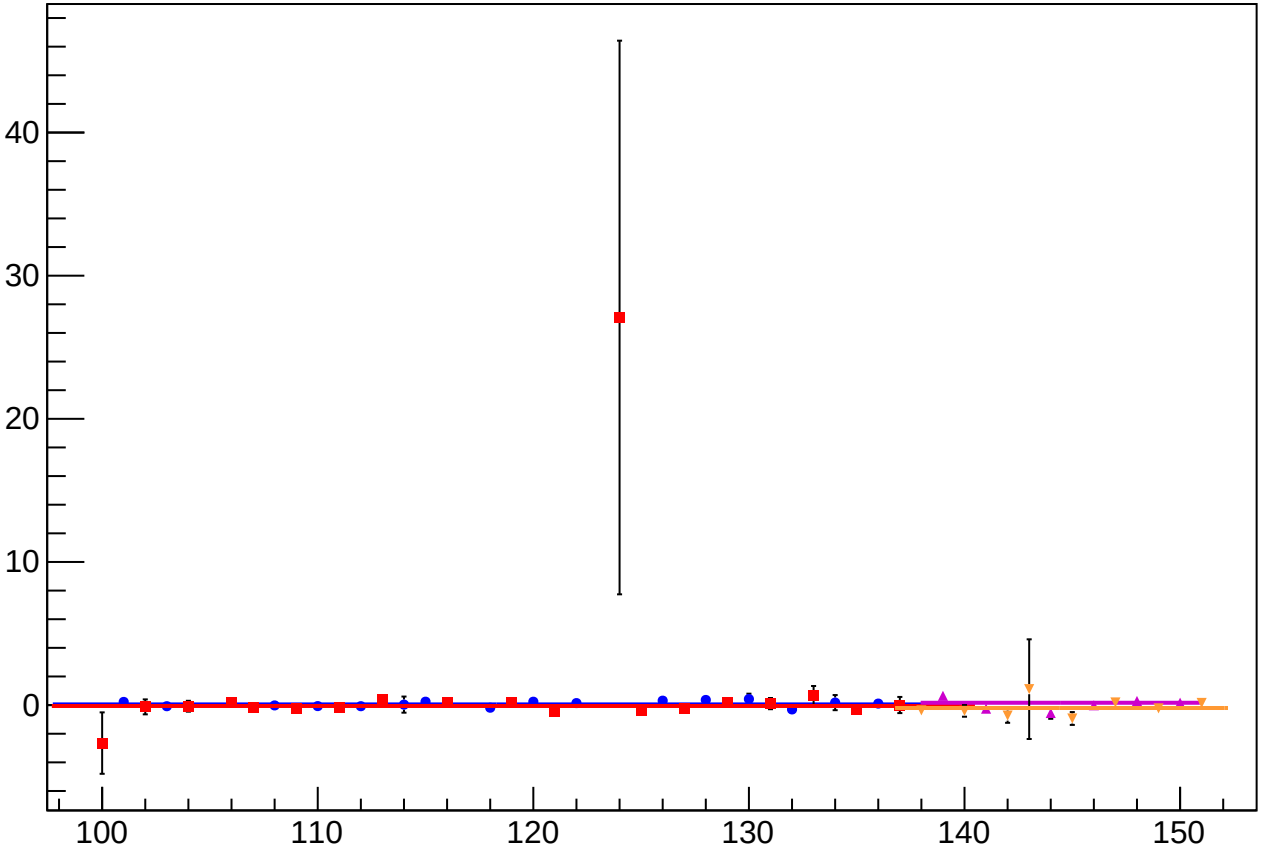
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2279599.4/21

Out: 0.000+/-0.000 χ^2/NDF:5006098.2/26

All: 0.000+/-0.000 χ^2/NDF: 8021450.1/48

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.164+/-0.118 χ^2/NDF:9.3/5

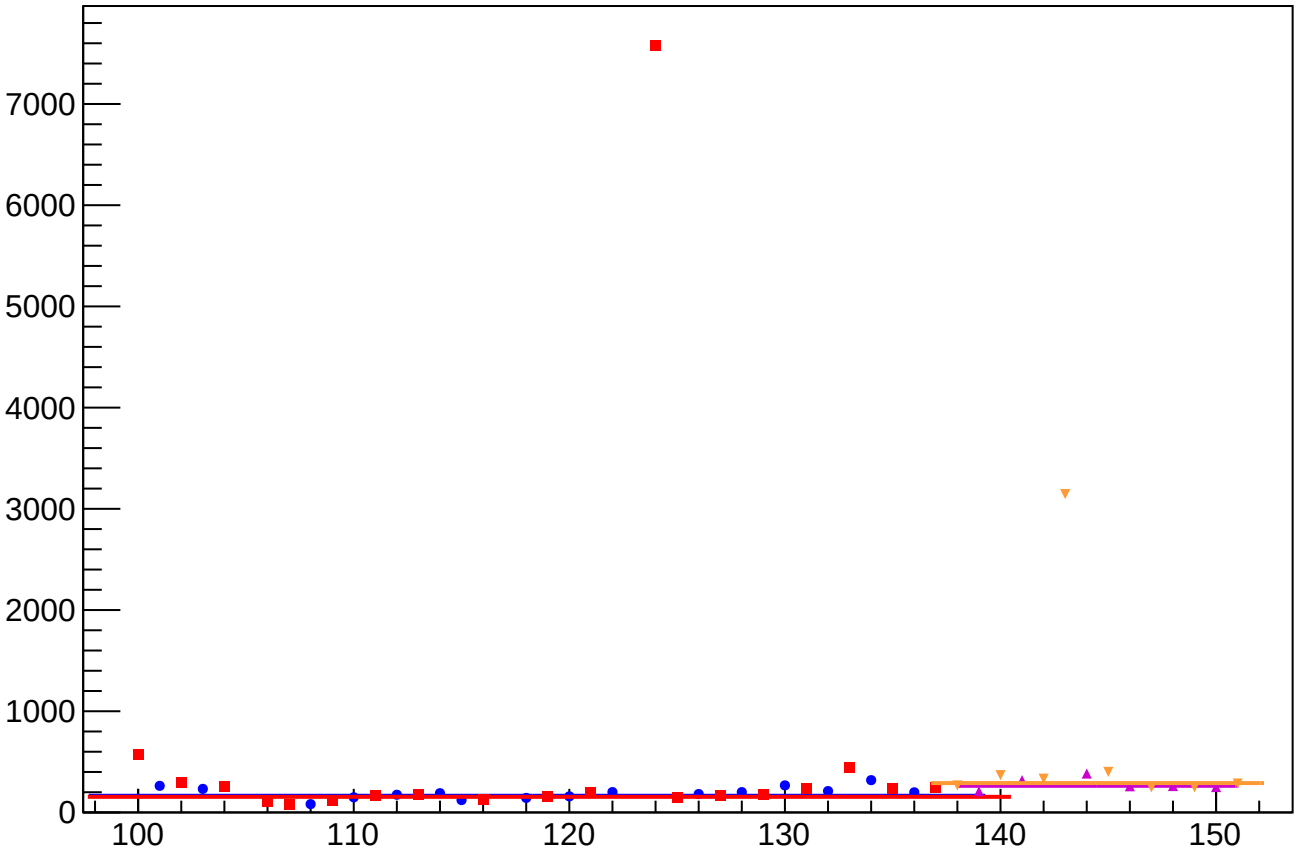
Left: -0.007+/-0.086 χ^2/NDF: 21.5/13

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.076+/-0.058 χ^2/NDF:17.6/21

Out: -0.091+/-0.057 χ^2/NDF:27.1/26

All: -0.008+/-0.041 χ^2/NDF: 48.9/48



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 290.253+/-0.089 χ^2/NDF:1663186.8/7

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 263.362+/-0.084 χ^2/NDF:336371.5/5

Left: 275.893+/-0.061 χ^2/NDF: 2047826.9/13

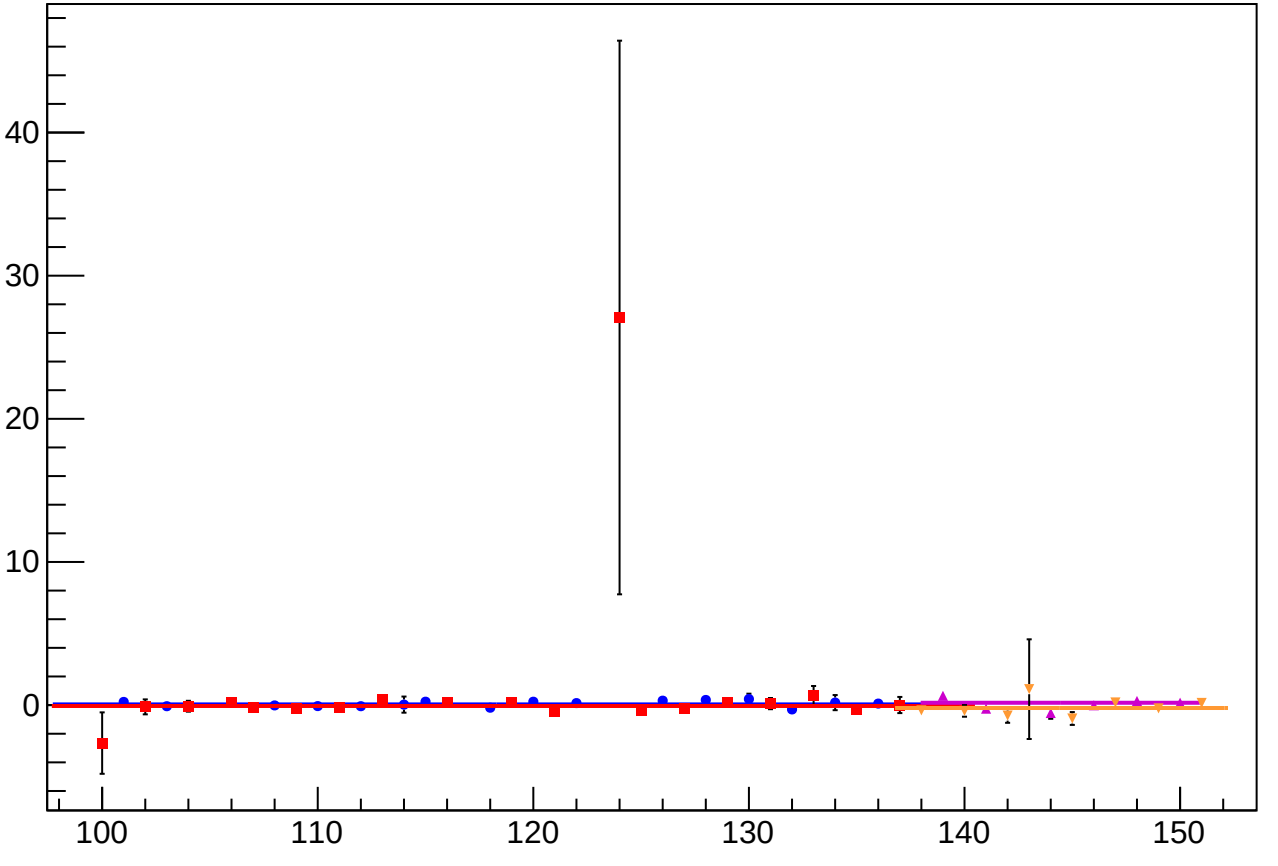
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 188.504+/-0.041 χ^2/NDF:2867251.5/21

Out: 182.358+/-0.041 χ^2/NDF:5416893.5/26

All: 185.405+/-0.029 χ^2/NDF: 8295513.4/48

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: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.164+/-0.118 χ^2/NDF:9.3/5

Left: -0.007+/-0.086 χ^2/NDF: 21.5/13

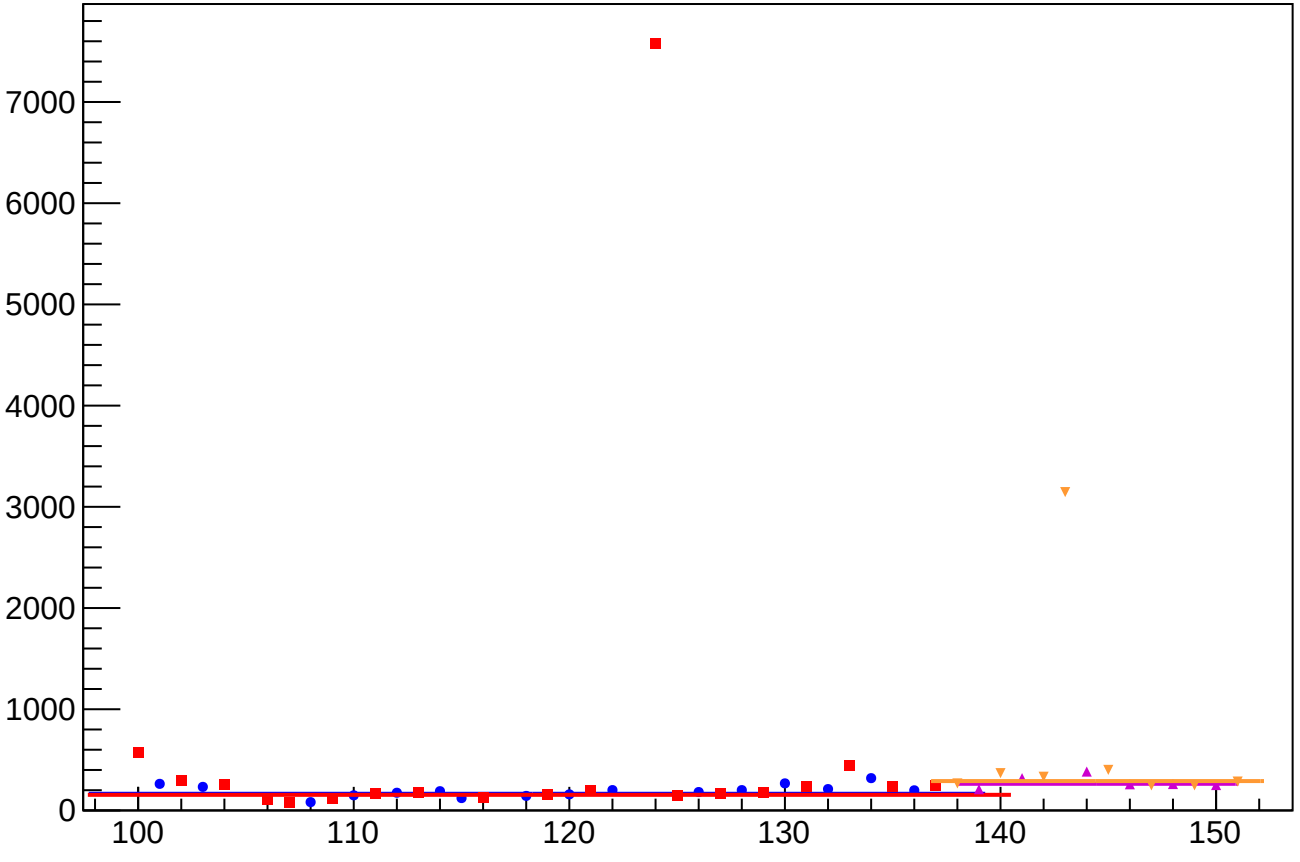
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.076+/-0.058 χ^2/NDF:17.6/21

Out: -0.091+/-0.057 χ^2/NDF:27.1/26

All: -0.008+/-0.041 χ^2/NDF: 48.9/48

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: 290.253+/-0.089 χ^2/NDF:1663186.8/7

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 263.362+/-0.084 χ^2/NDF:336371.5/5

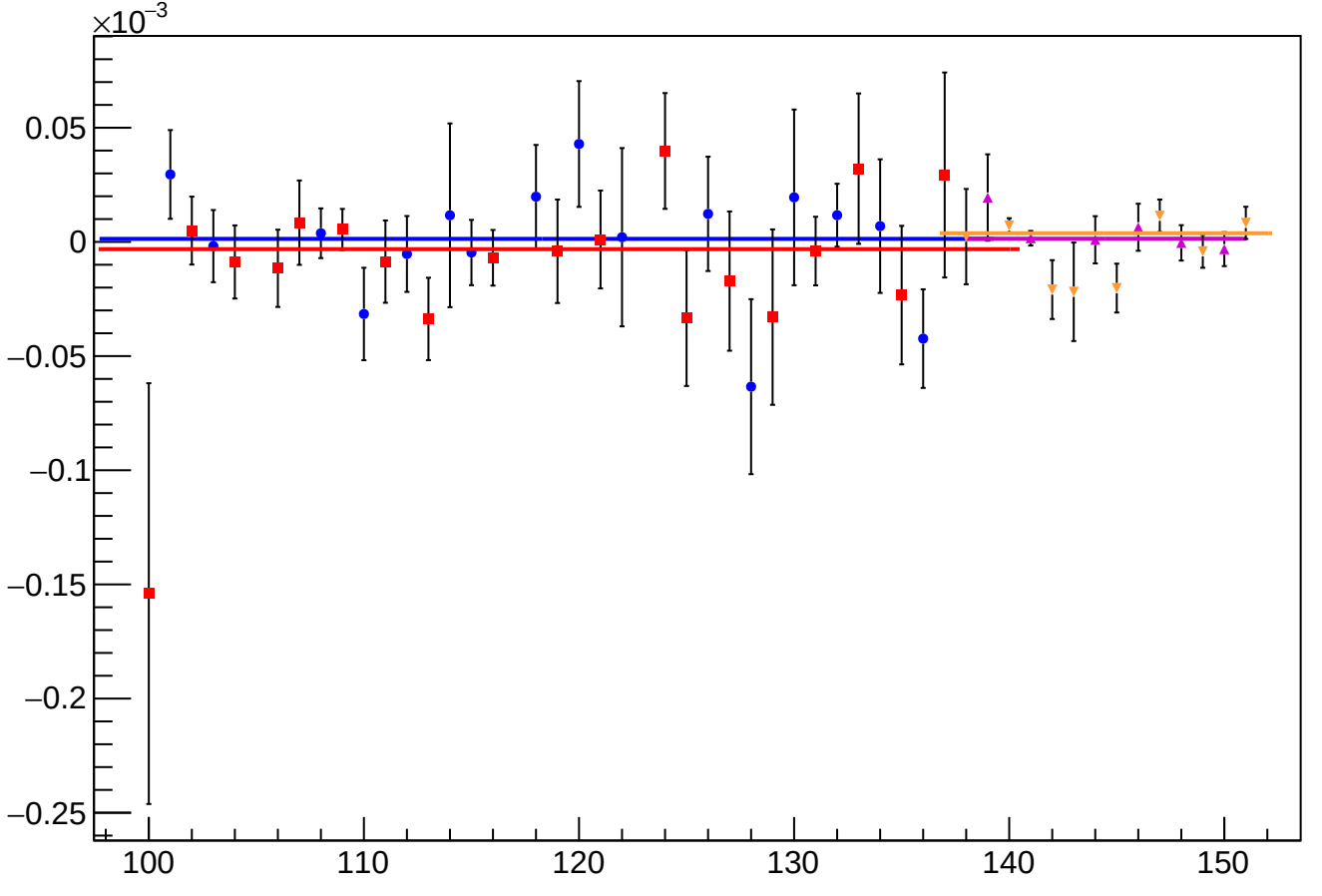
Left: 275.893+/-0.061 χ^2/NDF: 2047826.9/13

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 188.504+/-0.041 χ^2/NDF:2867251.5/21

Out: 182.358+/-0.041 χ^2/NDF:5416893.5/26

All: 185.405+/-0.029 χ^2/NDF: 8295513.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/5

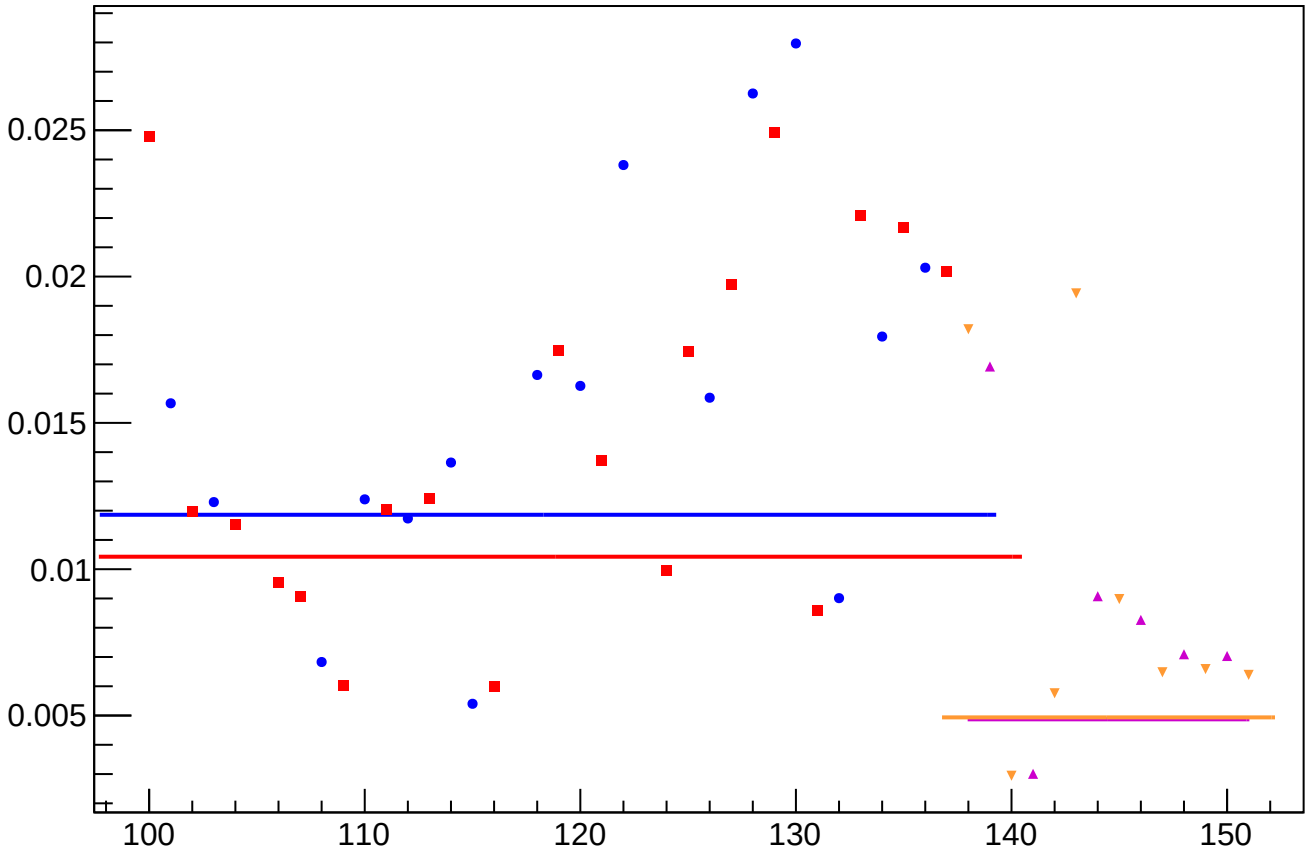
Left: 0.000+/-0.000 χ^2/NDF: 16.0/13

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:17.7/21

Out: 0.000+/-0.000 χ^2/NDF:30.6/26

All: 0.000+/-0.000 χ^2/NDF: 48.4/48



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:3058186.0/7

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.005+/-0.000 χ^2/NDF:2370157.6/5

Left: 0.005+/-0.000 χ^2/NDF: 5429066.1/13

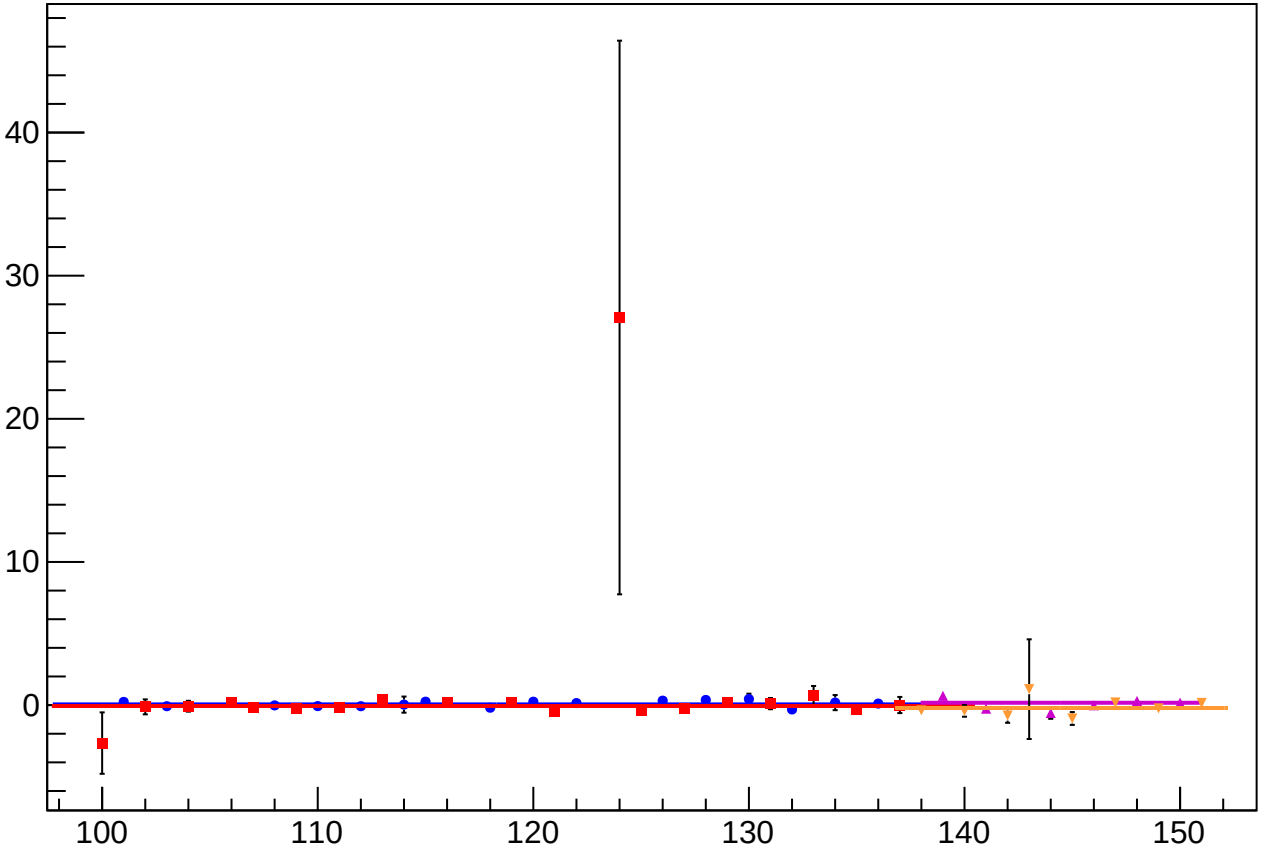
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:8006458.8/21

Out: 0.006+/-0.000 χ^2/NDF:7960776.6/26

All: 0.006+/-0.000 χ^2/NDF: 15969926.1/48

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: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.164+/-0.118 χ^2/NDF:9.3/5

Left: -0.007+/-0.086 χ^2/NDF: 21.5/13

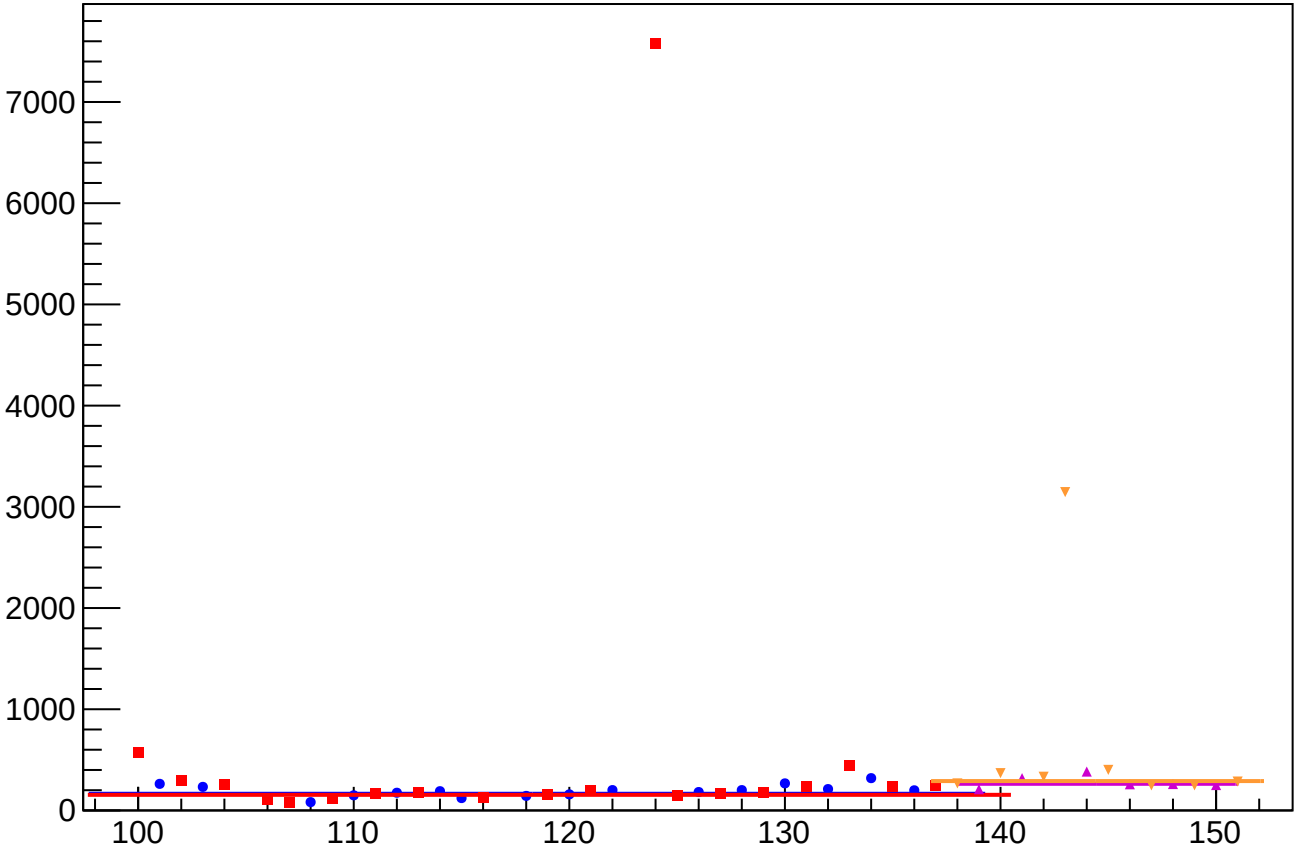
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.076+/-0.058 χ^2/NDF:17.6/21

Out: -0.091+/-0.057 χ^2/NDF:27.1/26

All: -0.008+/-0.041 χ^2/NDF: 48.9/48

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 290.256+/-0.089 χ^2/NDF:1663166.6/7

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 263.365+/-0.084 χ^2/NDF:336356.1/5

Left: 275.897+/-0.061 χ^2/NDF: 2047789.9/13

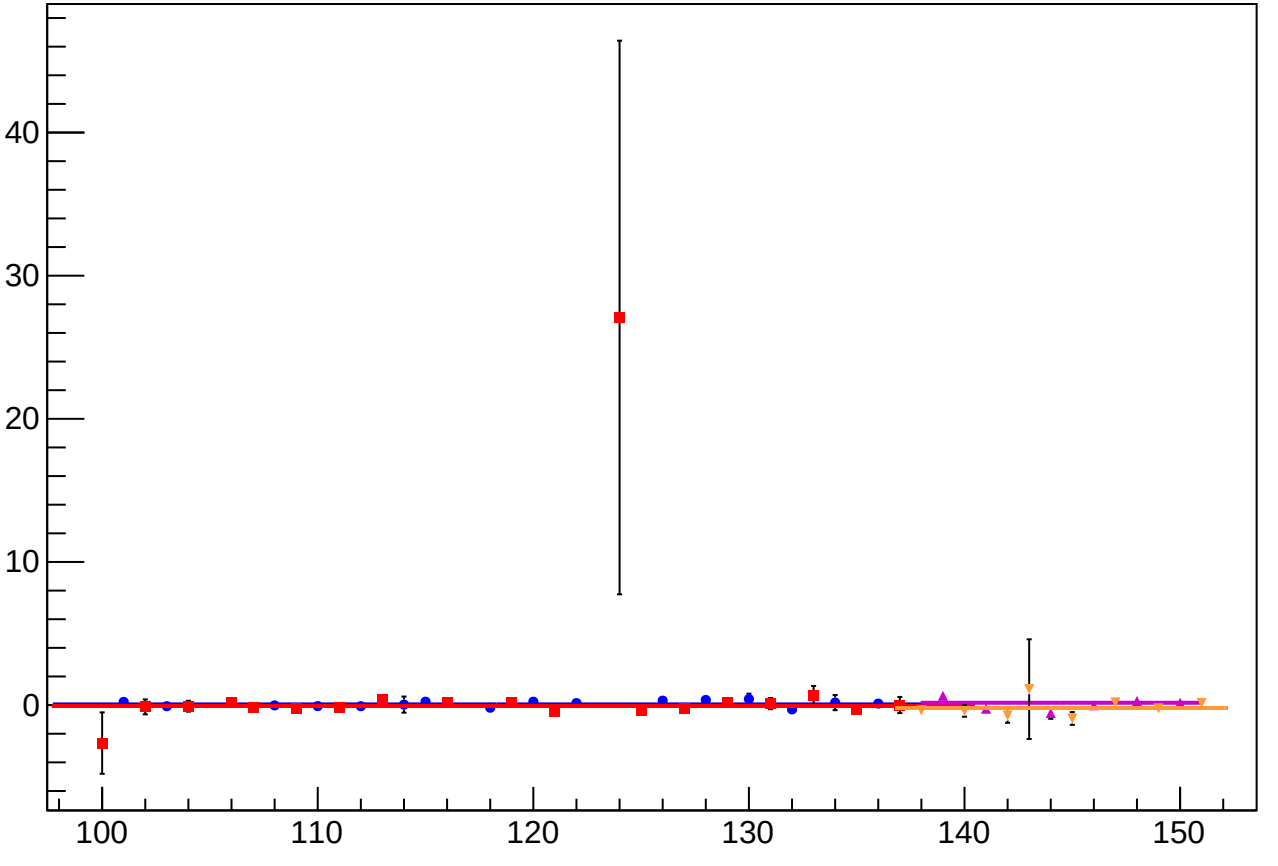
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 188.504+/-0.041 χ^2/NDF:2867277.8/21

Out: 182.358+/-0.041 χ^2/NDF:5416976.0/26

All: 185.405+/-0.029 χ^2/NDF: 8295622.9/48

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: -0.203+/-0.126 χ^2/NDF:7.7/7

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.164+/-0.118 χ^2/NDF:9.3/5

Left: -0.007+/-0.086 χ^2/NDF: 21.5/13

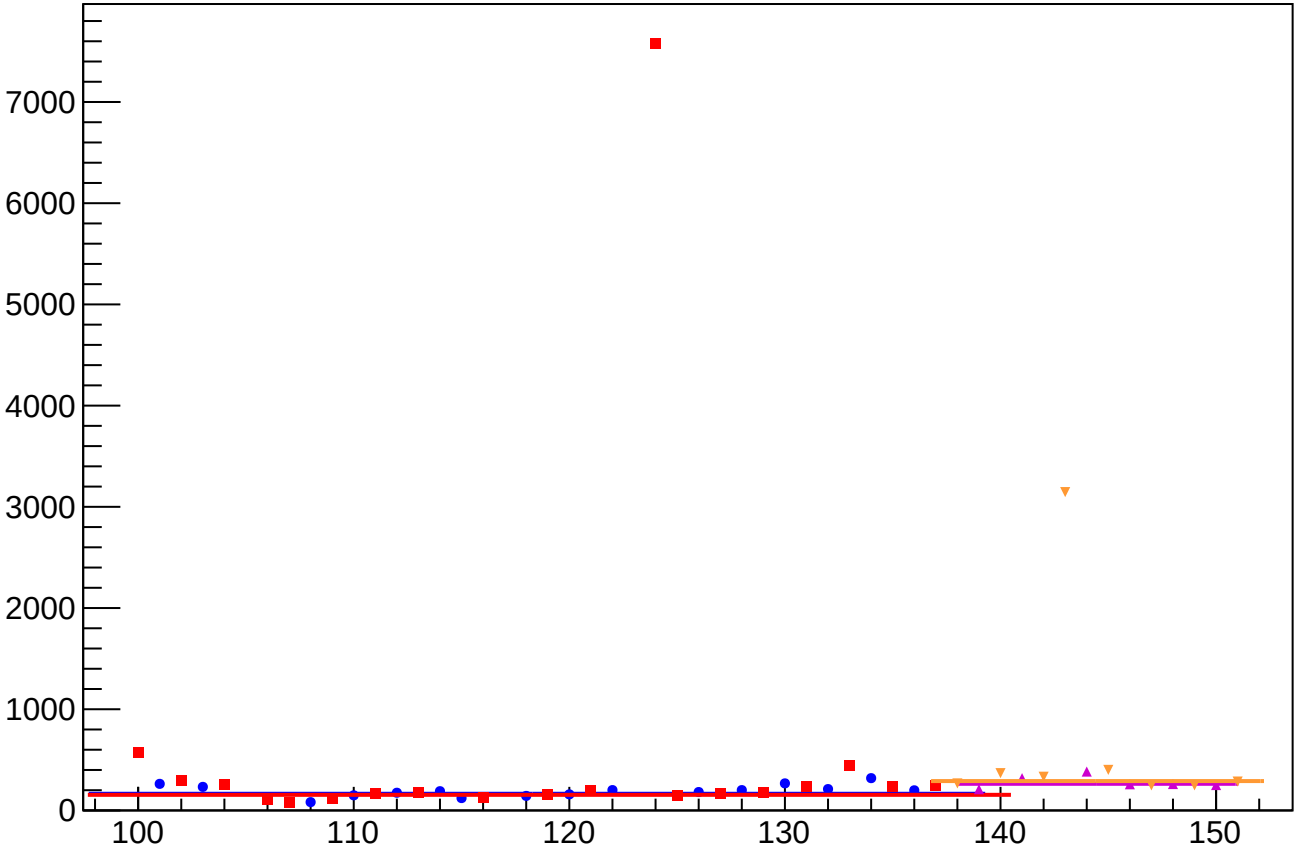
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.076+/-0.058 χ^2/NDF:17.6/21

Out: -0.091+/-0.057 χ^2/NDF:27.1/26

All: -0.008+/-0.041 χ^2/NDF: 48.9/48

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: 290.256+/-0.089 χ^2/NDF:1663166.6/7

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 263.365+/-0.084 χ^2/NDF:336356.1/5

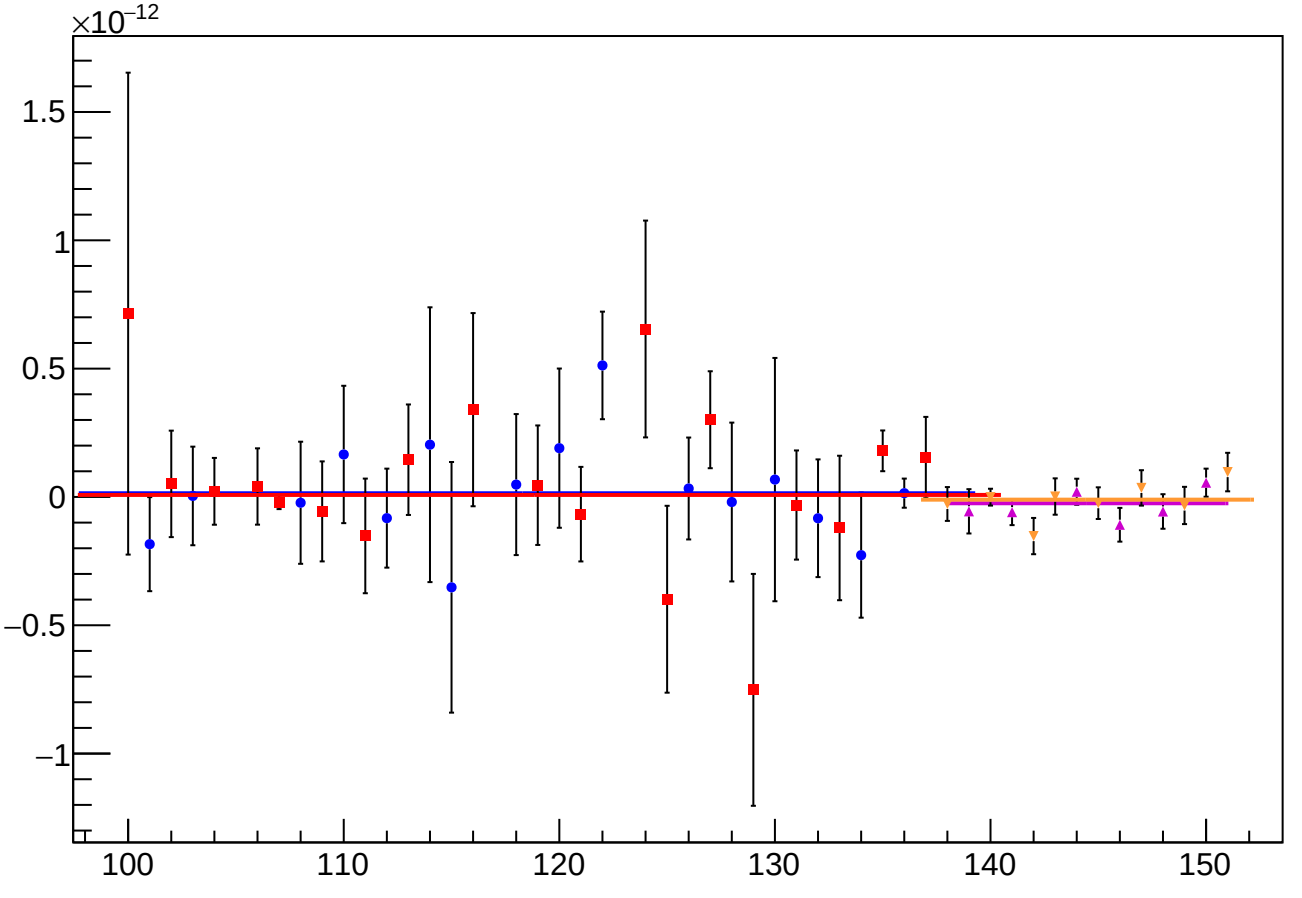
Left: 275.897+/-0.061 χ^2/NDF: 2047789.9/13

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 188.504+/-0.041 χ^2/NDF:2867277.8/21

Out: 182.358+/-0.041 χ^2/NDF:5416976.0/26

All: 185.405+/-0.029 χ^2/NDF: 8295622.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/5

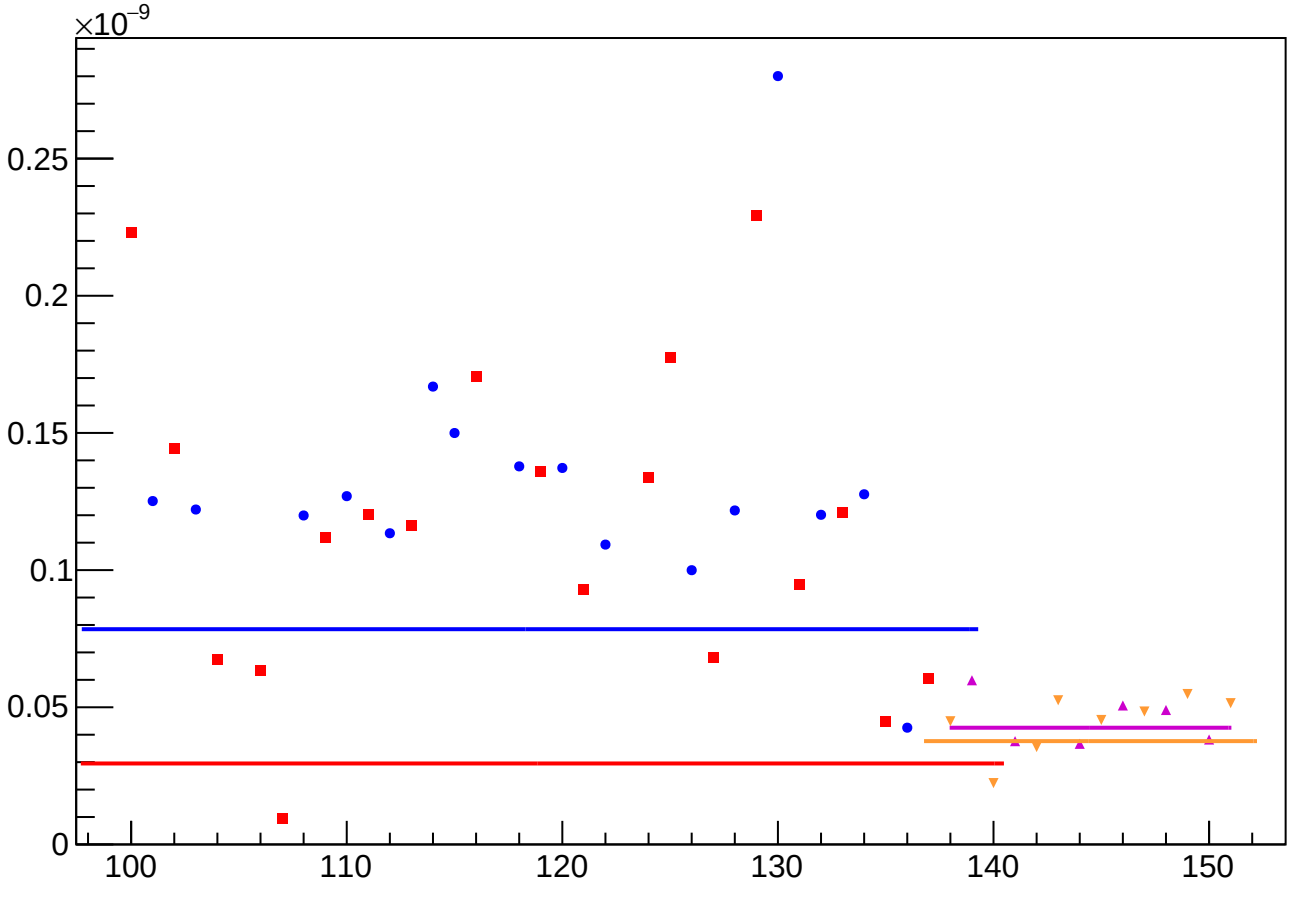
Left: -0.000+/-0.000 χ^2/NDF: 12.4/13

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:15.7/21

Out: -0.000+/-0.000 χ^2/NDF:25.6/26

All: -0.000+/-0.000 χ^2/NDF: 41.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:809255.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:186977.2/5

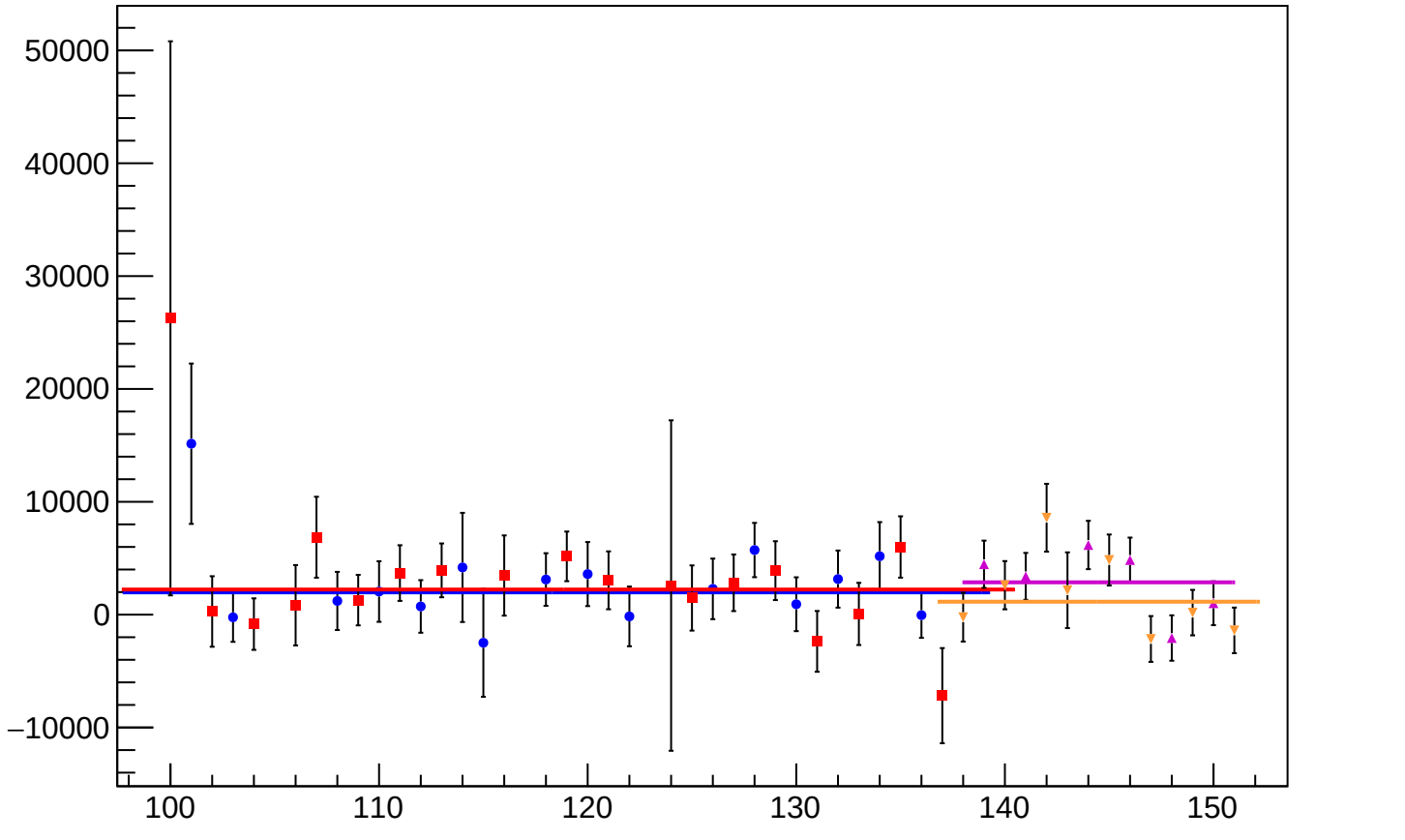
Left: 0.000+/-0.000 χ^2/NDF: 1043630.2/13

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3370824.0/21

Out: 0.000+/-0.000 χ^2/NDF:6437361.6/26

All: 0.000+/-0.000 χ^2/NDF: 10697520.4/48



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1146.959+/-799.831 χ^2/NDF:14.2/7

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2865.087+/-832.427 χ^2/NDF:11.0/5

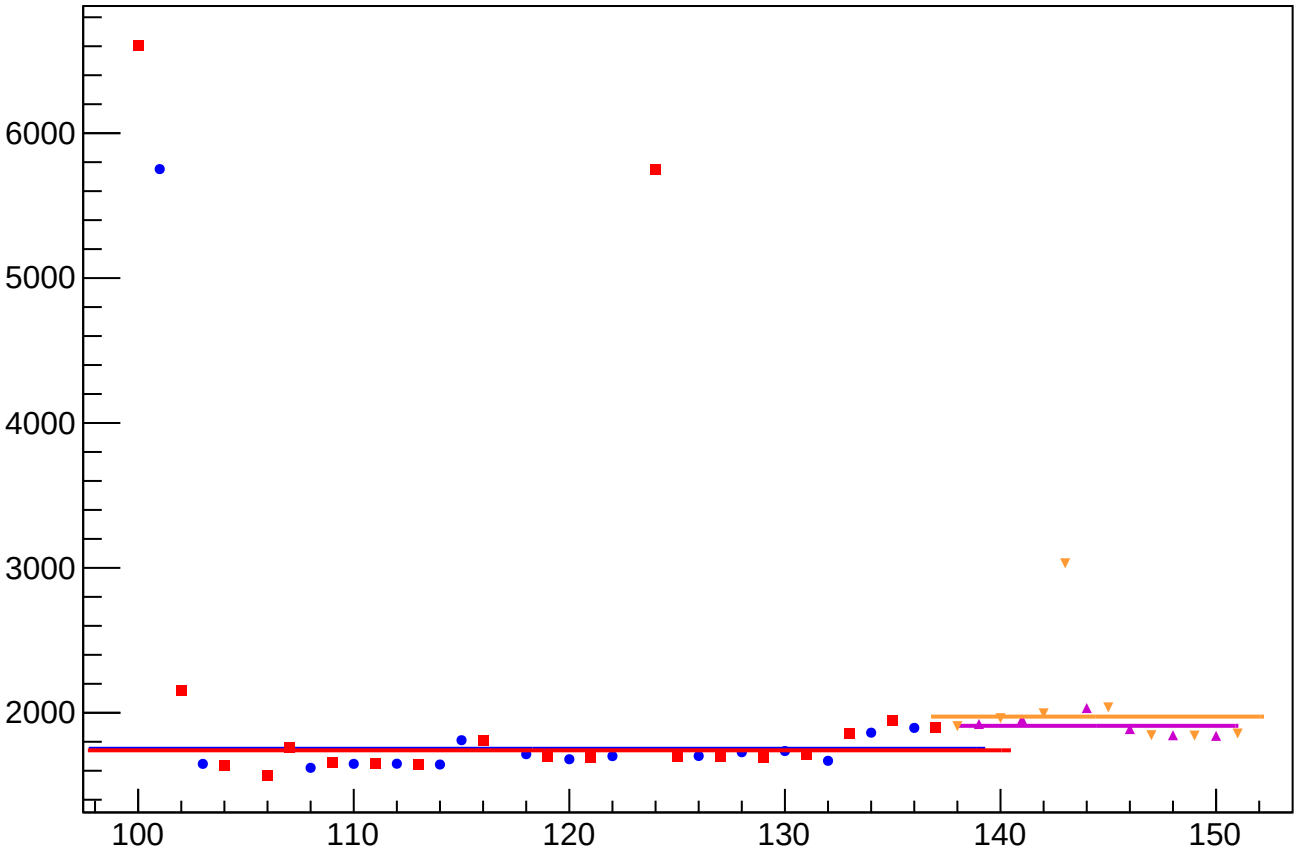
Left: 1971.725+/-576.745 χ^2/NDF: 27.4/13

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2324.265+/-520.854 χ^2/NDF:23.8/21

Out: 1791.929+/-507.353 χ^2/NDF:34.3/26

All: 2051.109+/-363.432 χ^2/NDF: 58.6/48



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1973.616+/-0.566 χ^2/NDF:225582.4/7

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1910.080+/-0.589 χ^2/NDF:12408.4/5

Left: 1943.116+/-0.408 χ^2/NDF: 244049.1/13

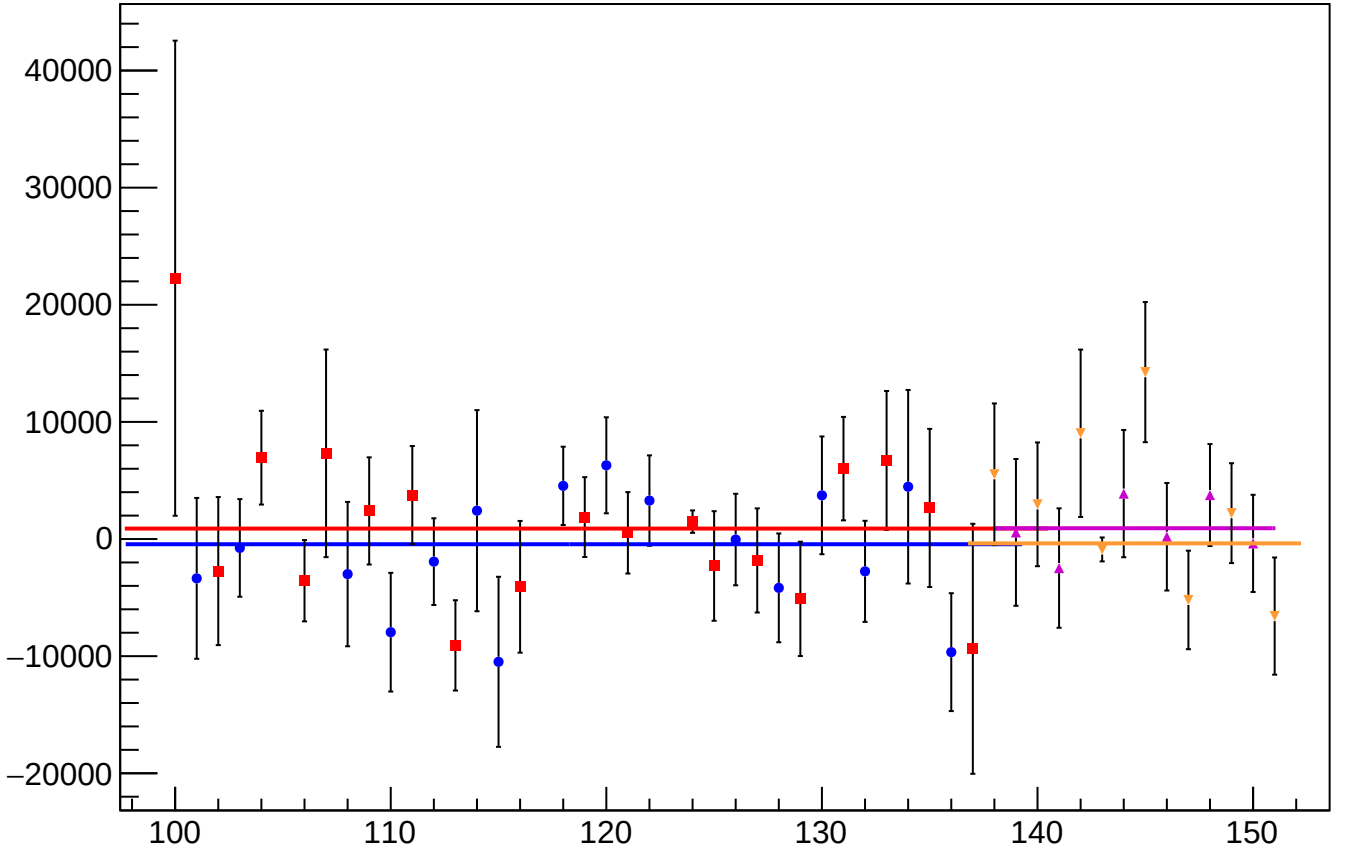
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1813.650+/-0.368 χ^2/NDF:727166.5/21

Out: 1833.804+/-0.357 χ^2/NDF:631890.6/26

All: 1824.036+/-0.256 χ^2/NDF: 1360600.4/48

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -371.476+/-905.782 χ^2/NDF:12.5/7

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 922.409+/-1975.803 χ^2/NDF:1.3/5

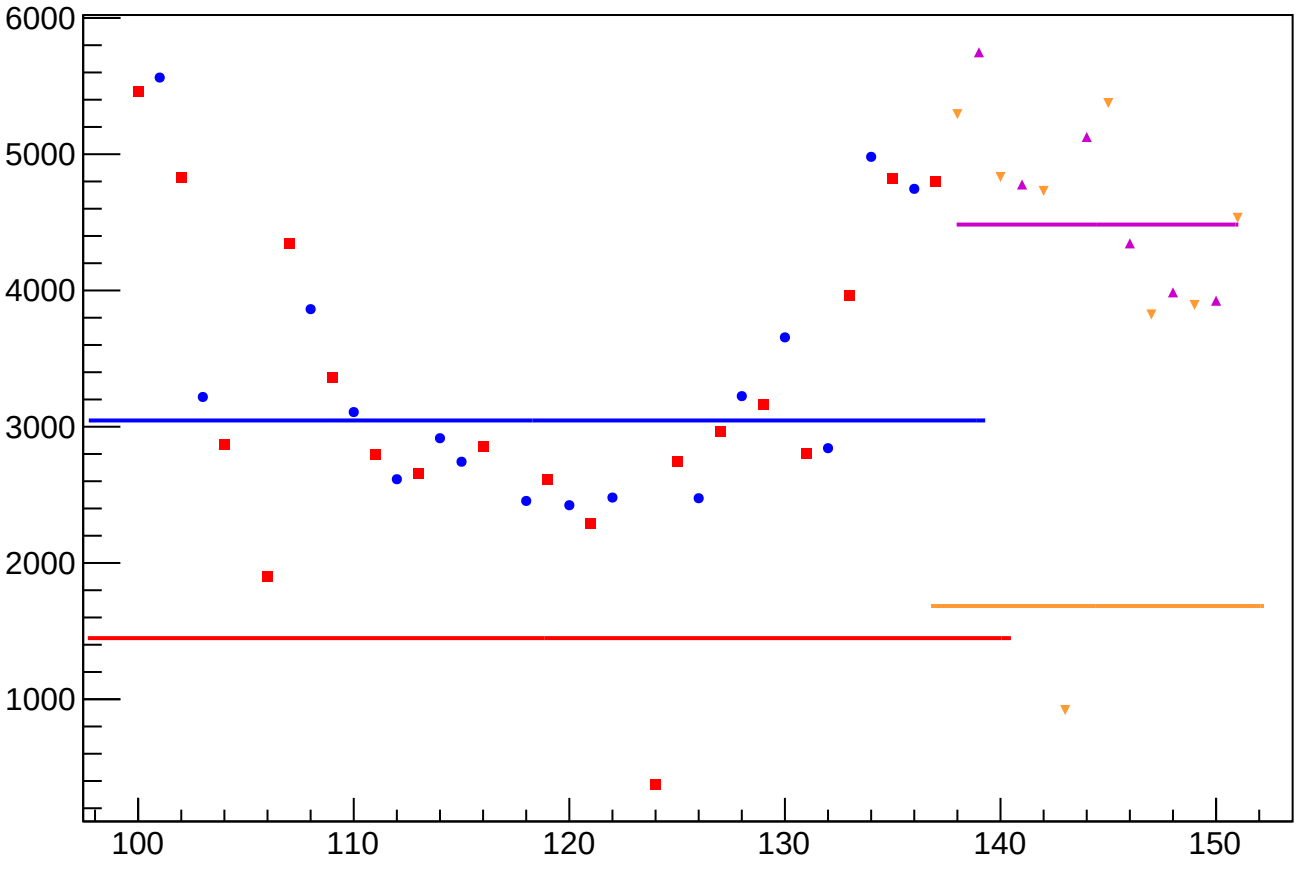
Left: -146.771+/-823.382 χ^2/NDF: 14.2/13

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -87.457+/-1009.560 χ^2/NDF:17.6/21

Out: 398.159+/-566.366 χ^2/NDF:33.8/26

All: 281.910+/-493.947 χ^2/NDF: 51.5/48



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1684.134+/-0.640 χ^2/NDF:5367725.9/7

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4483.758+/-1.397 χ^2/NDF:180293.4/5

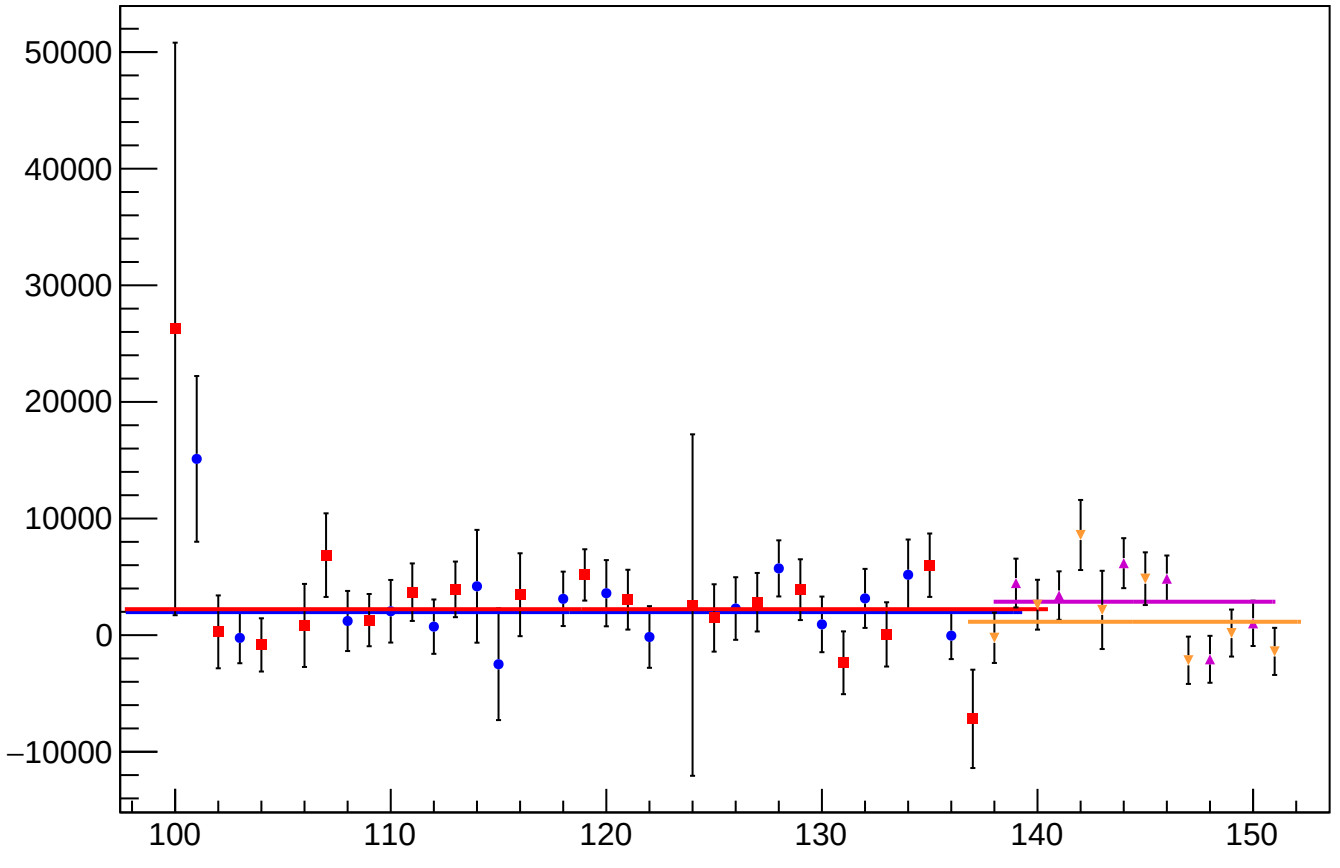
Left: 2170.334+/-0.582 χ^2/NDF: 8866181.3/13

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3421.312+/-0.714 χ^2/NDF:1870316.5/21

Out: 1540.638+/-0.400 χ^2/NDF:12237069.9/26

All: 1990.842+/-0.349 χ^2/NDF: 19386460.9/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1146.989+/-799.831 χ^2/NDF:14.2/7

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2865.286+/-832.427 χ^2/NDF:11.0/5

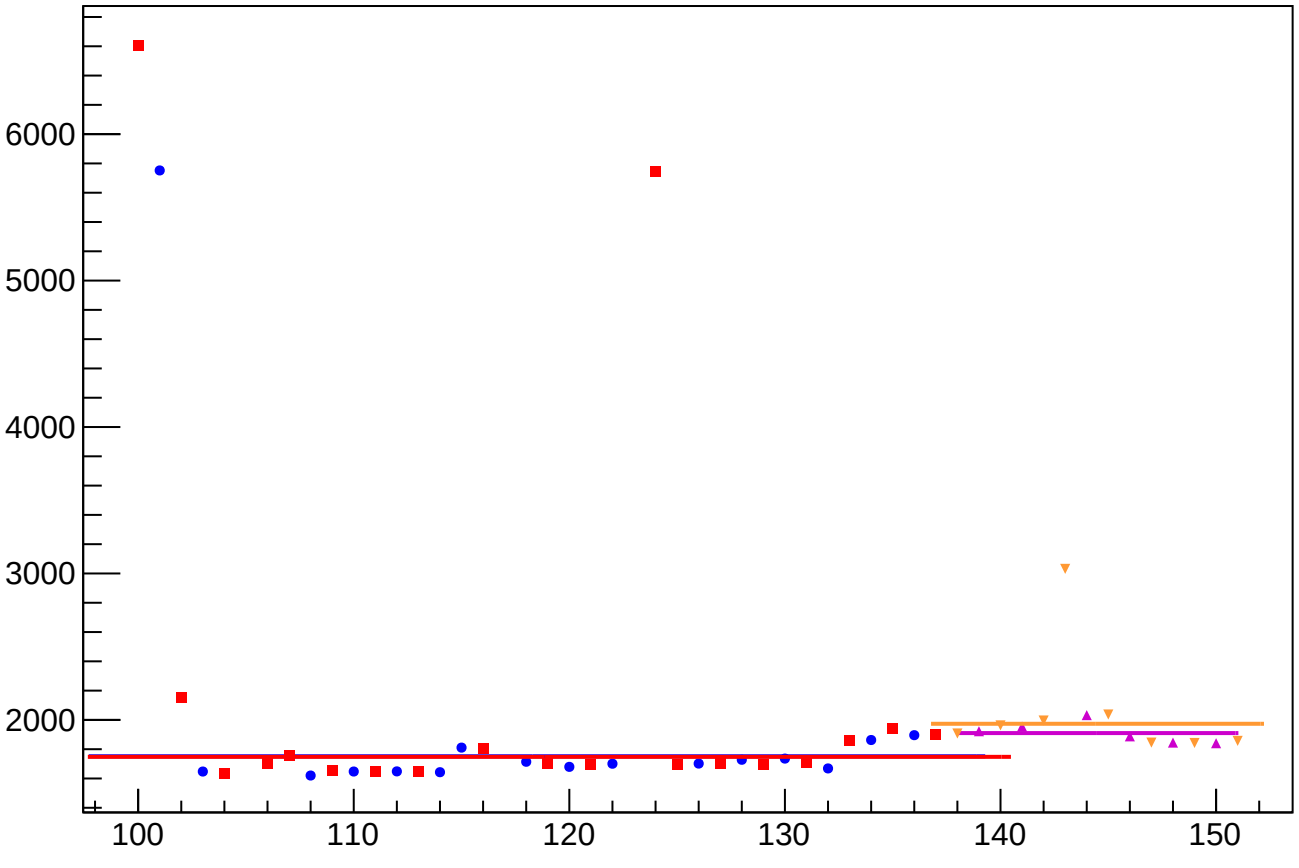
Left: 1971.836+/-576.745 χ^2/NDF: 27.4/13

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2324.128+/-520.854 χ^2/NDF:23.8/21

Out: 1792.000+/-507.353 χ^2/NDF:34.3/26

All: 2051.078+/-363.432 χ^2/NDF: 58.6/48



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1973.616+/-0.566 χ^2/NDF:225582.4/7

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1910.080+/-0.589 χ^2/NDF:12408.4/5

Left: 1943.116+/-0.408 χ^2/NDF: 244049.1/13

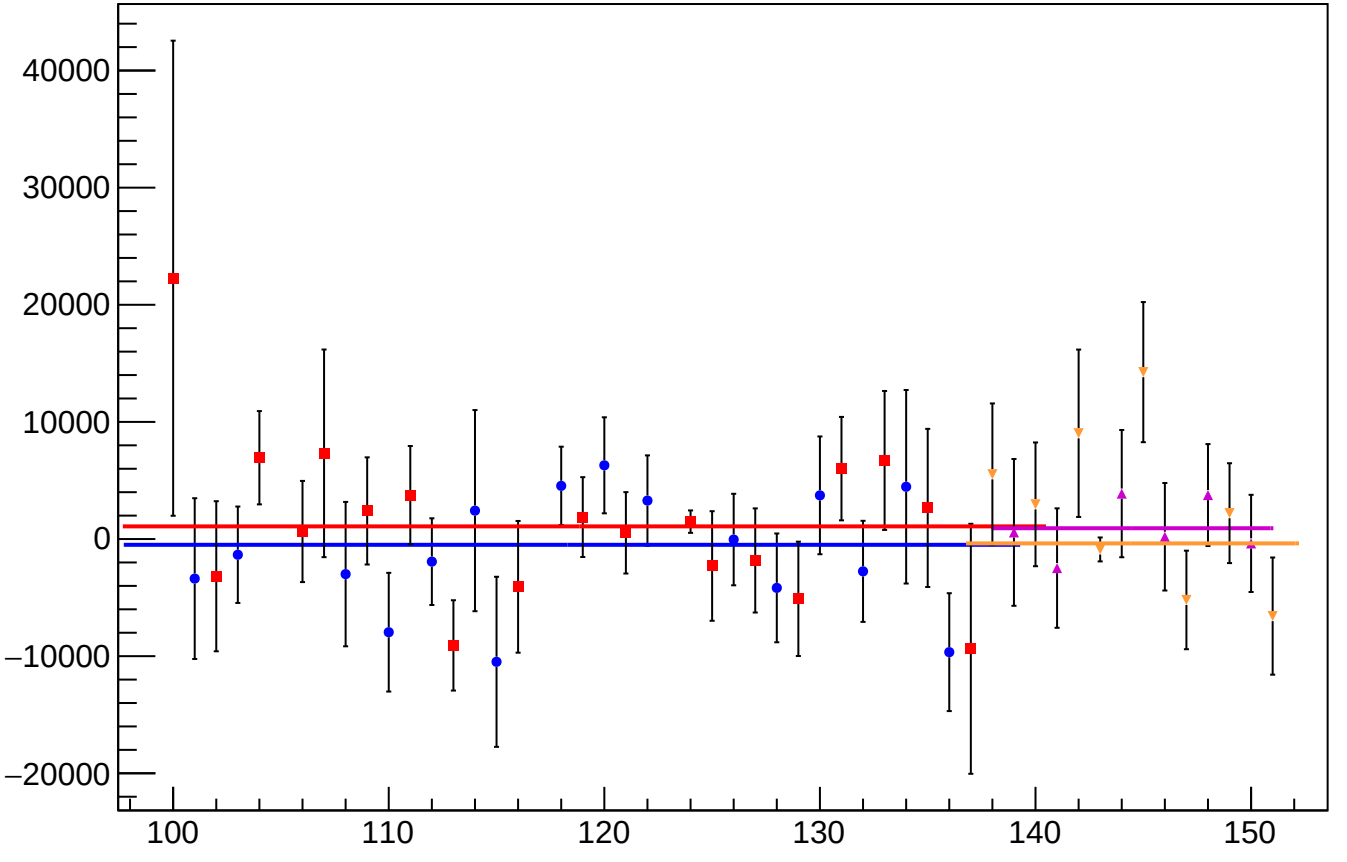
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1813.650+/-0.368 χ^2/NDF:727166.9/21

Out: 1838.246+/-0.358 χ^2/NDF:619073.7/26

All: 1826.298+/-0.257 χ^2/NDF: 1348534.2/48

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -371.294+/-905.753 χ^2/NDF:12.5/7

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 922.431+/-1975.804 χ^2/NDF:1.3/5

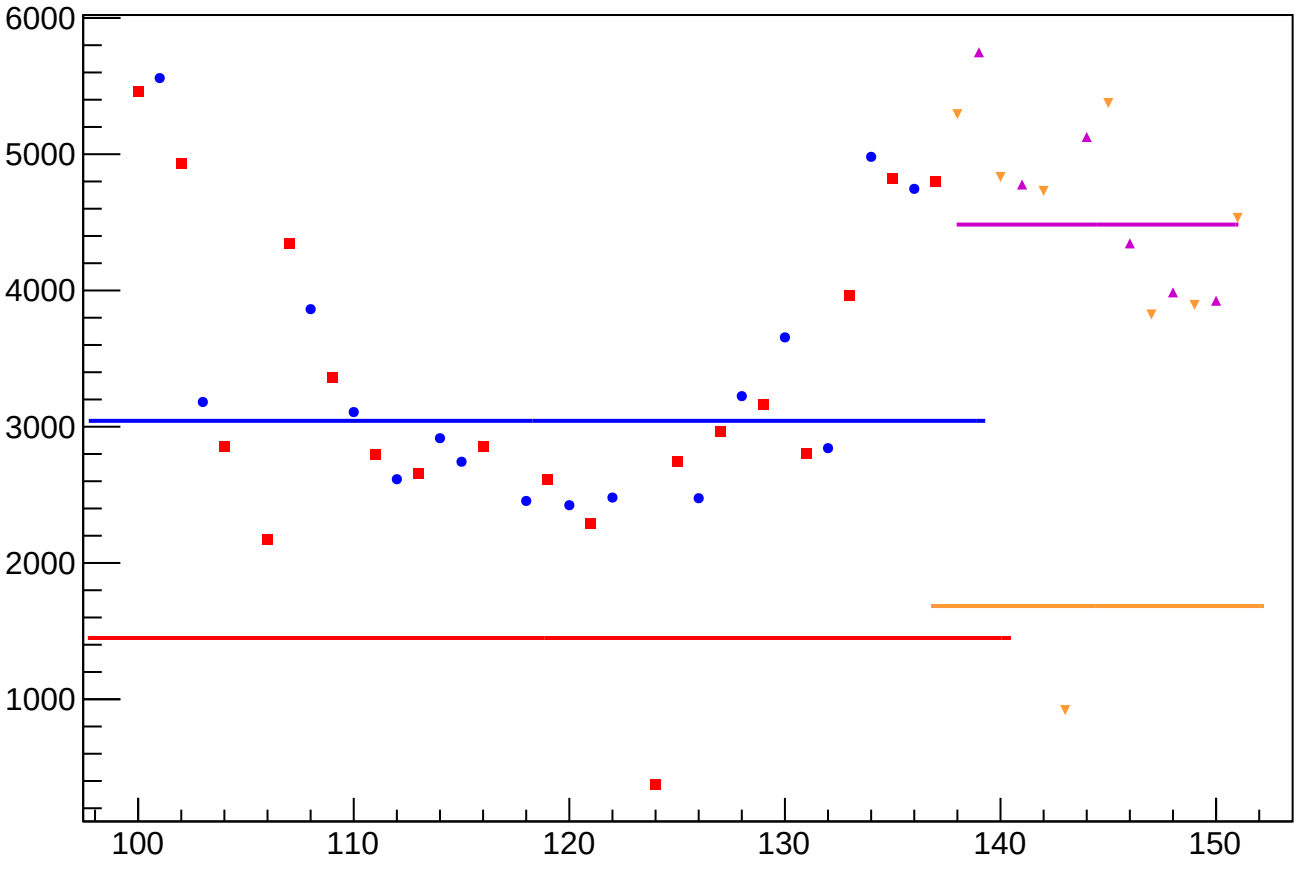
Left: -146.630+/-823.360 χ^2/NDF: 14.2/13

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -123.957+/-1008.792 χ^2/NDF:17.6/21

Out: 507.683+/-569.066 χ^2/NDF:32.6/26

All: 355.206+/-495.643 χ^2/NDF: 50.5/48



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1684.055+/-0.640 χ^2/NDF:5367916.4/7

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4483.759+/-1.397 χ^2/NDF:180294.0/5

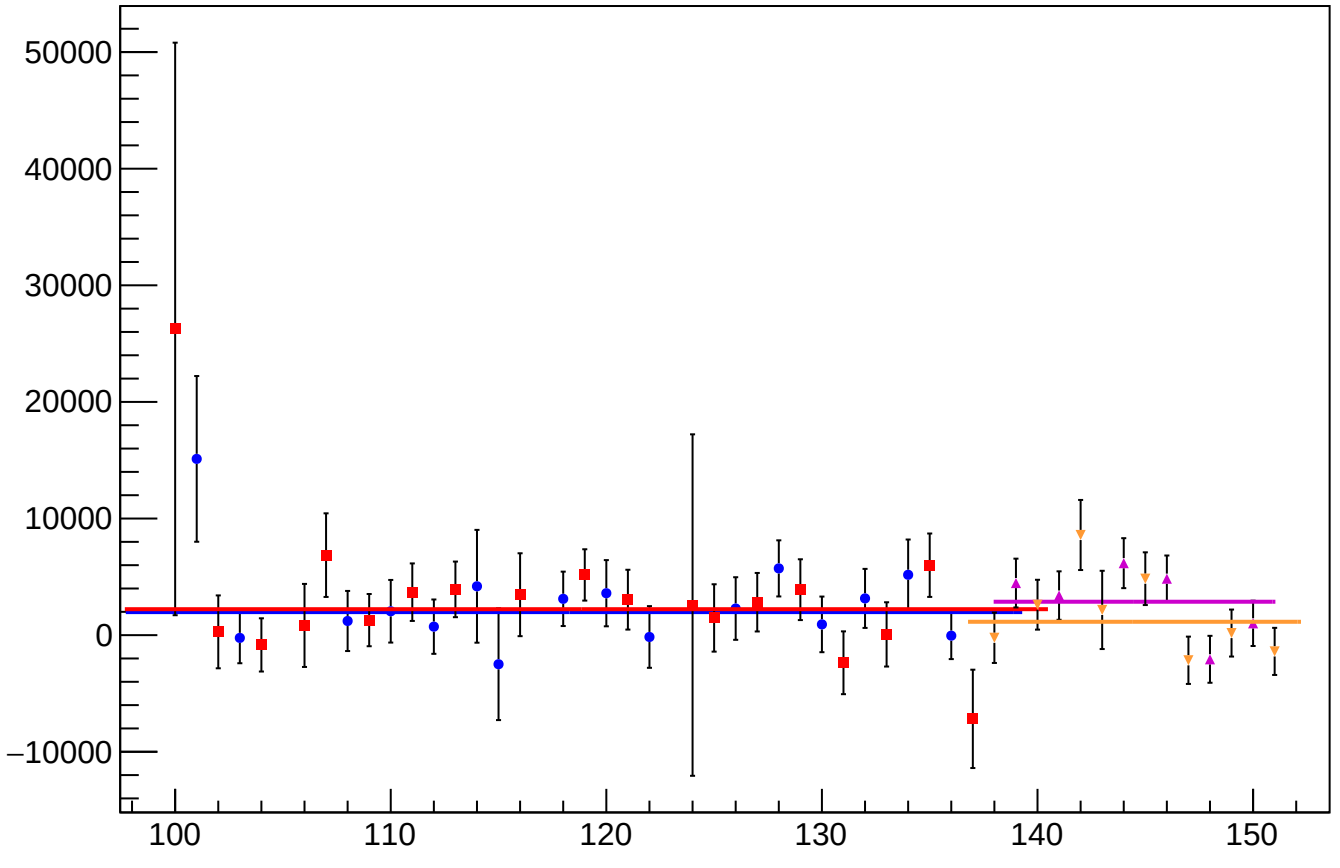
Left: 2170.244+/-0.582 χ^2/NDF: 8866596.8/13

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3418.783+/-0.713 χ^2/NDF:1871898.8/21

Out: 1542.097+/-0.402 χ^2/NDF:12274801.6/26

All: 1995.127+/-0.350 χ^2/NDF: 19397484.0/4



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1146.989+/-799.831 χ^2/NDF:14.2/7

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2865.286+/-832.427 χ^2/NDF:11.0/5

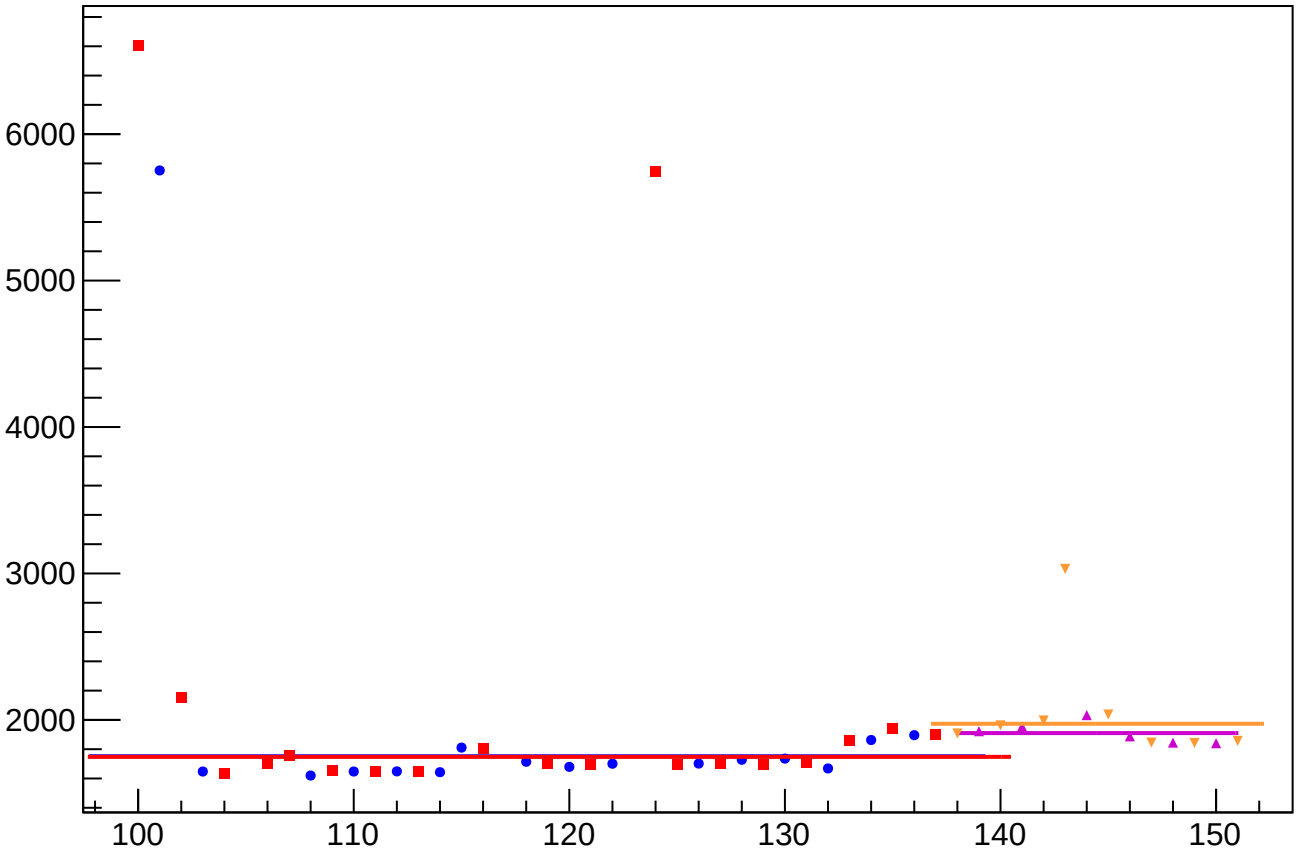
Left: 1971.836+/-576.745 χ^2/NDF: 27.4/13

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2324.128+/-520.854 χ^2/NDF:23.8/21

Out: 1792.000+/-507.353 χ^2/NDF:34.3/26

All: 2051.078+/-363.432 χ^2/NDF: 58.6/48



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1973.616+/-0.566 χ^2/NDF:225582.4/7

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1910.080+/-0.589 χ^2/NDF:12408.4/5

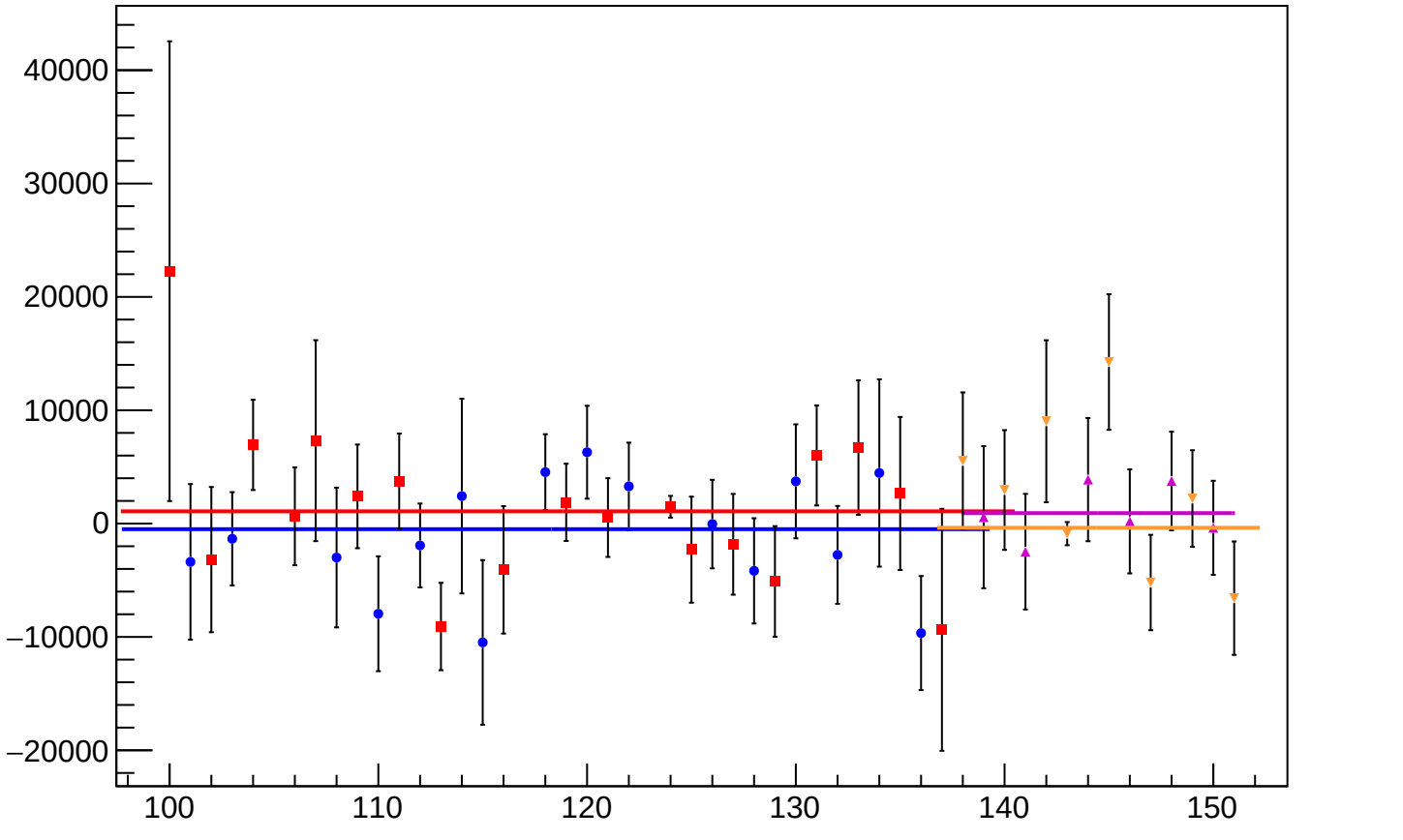
Left: 1943.116+/-0.408 χ^2/NDF: 244049.1/13

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1813.650+/-0.368 χ^2/NDF:727166.9/21

Out: 1838.246+/-0.358 χ^2/NDF:619073.7/26

All: 1826.298+/-0.257 χ^2/NDF: 1348534.2/48



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -371.294+/-905.753 χ^2/NDF:12.5/7

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 922.431+/-1975.804 χ^2/NDF:1.3/5

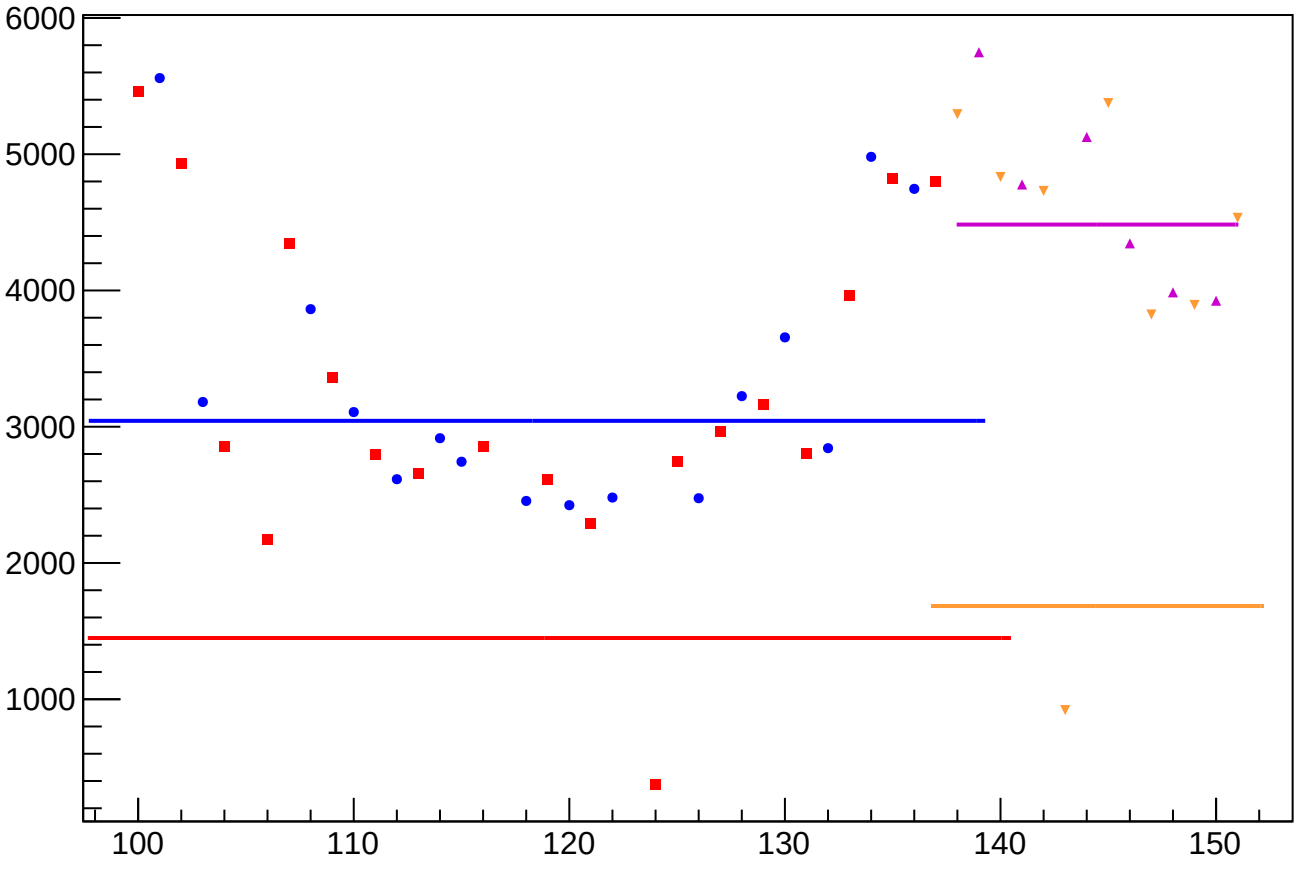
Left: -146.630+/-823.360 χ^2/NDF: 14.2/13

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -123.957+/-1008.792 χ^2/NDF:17.6/21

Out: 507.683+/-569.066 χ^2/NDF:32.6/26

All: 355.206+/-495.643 χ^2/NDF: 50.5/48



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1684.055+/-0.640 χ^2/NDF:5367916.4/7

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4483.759+/-1.397 χ^2/NDF:180294.0/5

Left: 2170.244+/-0.582 χ^2/NDF: 8866596.8/13

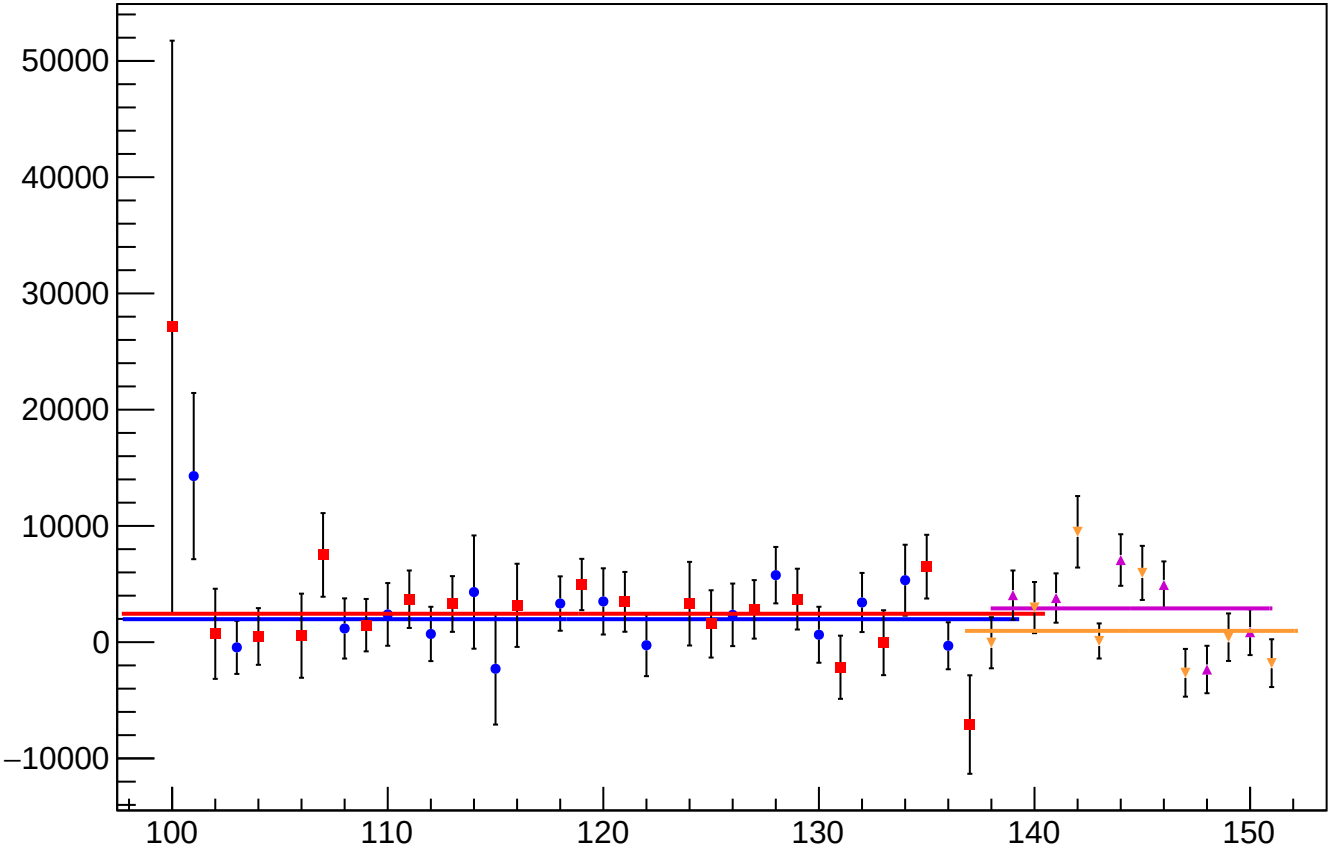
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3418.783+/-0.713 χ^2/NDF:1871898.8/21

Out: 1542.097+/-0.402 χ^2/NDF:12274801.6/26

All: 1995.127+/-0.350 χ^2/NDF: 19397484.0/4

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 971.671+/-734.089 χ^2/NDF:18.6/7

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2905.429+/-848.273 χ^2/NDF:12.7/5

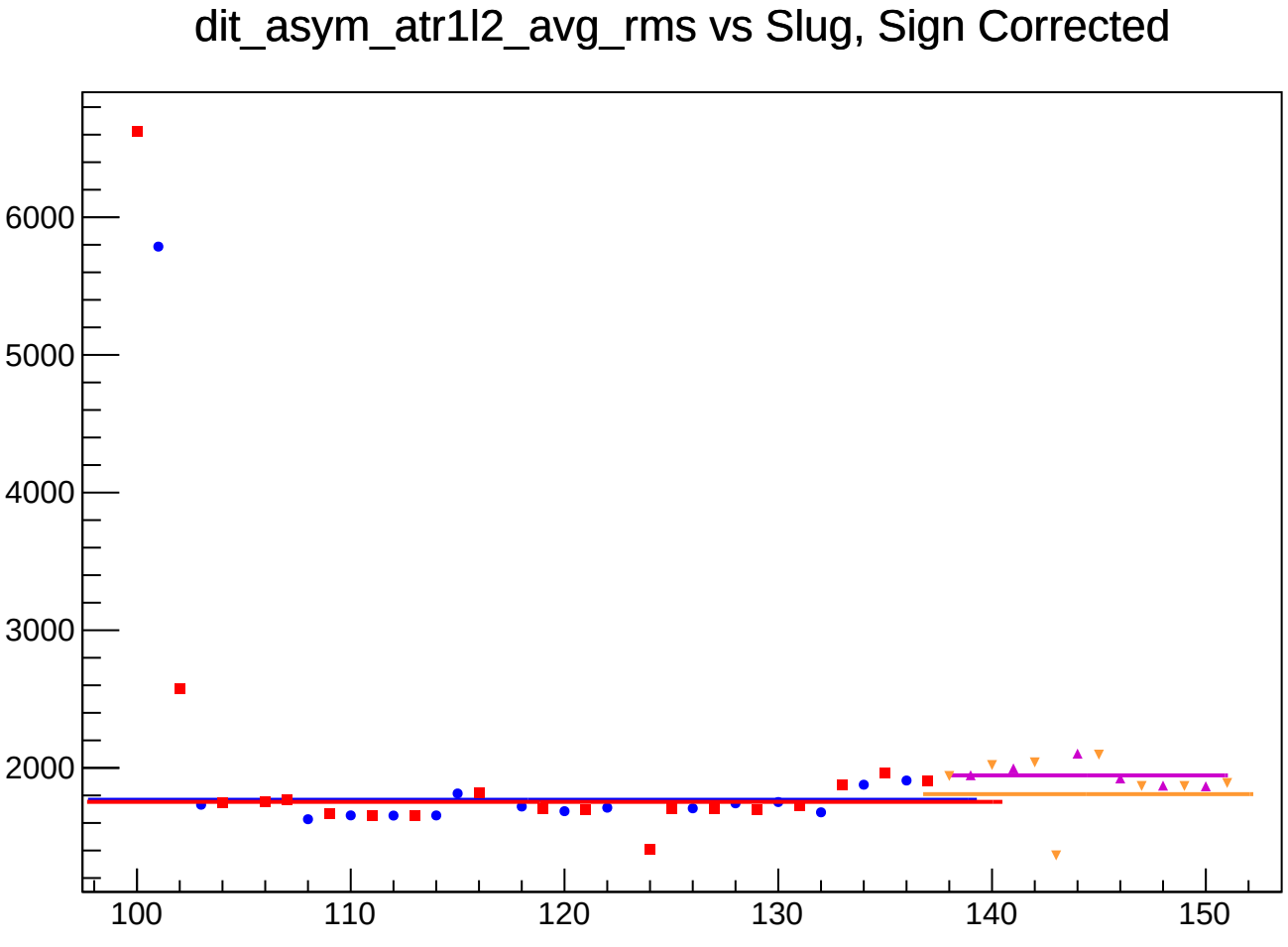
Left: 1799.731+/-555.093 χ^2/NDF: 34.3/13

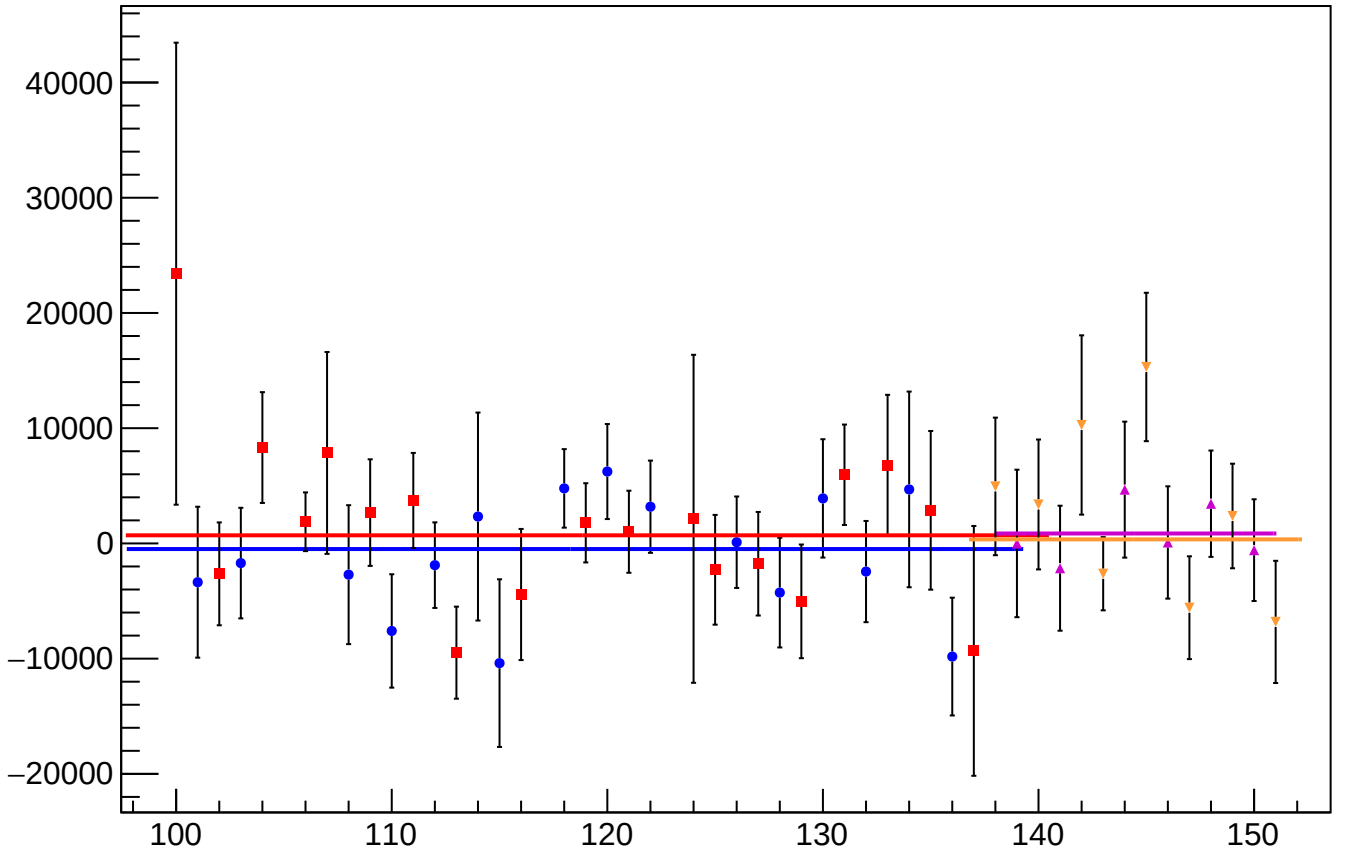
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2335.624+/-527.746 χ^2/NDF:25.9/21

Out: 1788.532+/-489.845 χ^2/NDF:38.3/26

All: 2041.729+/-359.025 χ^2/NDF: 64.8/48


dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1768.480+/-0.477 χ²/NDF: 667367.4/15
Left Out: 1809.467+/-0.519 χ²/NDF:247443.4/7
Right Out: 1753.383+/-0.464 χ²/NDF: 218864.4/18
Left In: 1945.866+/-0.600 χ²/NDF:17429.2/5
Left: 1867.875+/-0.393 χ²/NDF: 294440.4/13
Right: 1760.725+/-0.332 χ²/NDF: 886747.1/34
In: 1837.139+/-0.373 χ²/NDF:738402.9/21
Out: 1778.281+/-0.346 χ²/NDF:472798.9/26
All: 1805.478+/-0.254 χ²/NDF: 1224583.5/48



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: 349.258+/-1731.302 χ^2/NDF:12.6/7

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 862.372+/-2096.605 χ^2/NDF:1.2/5

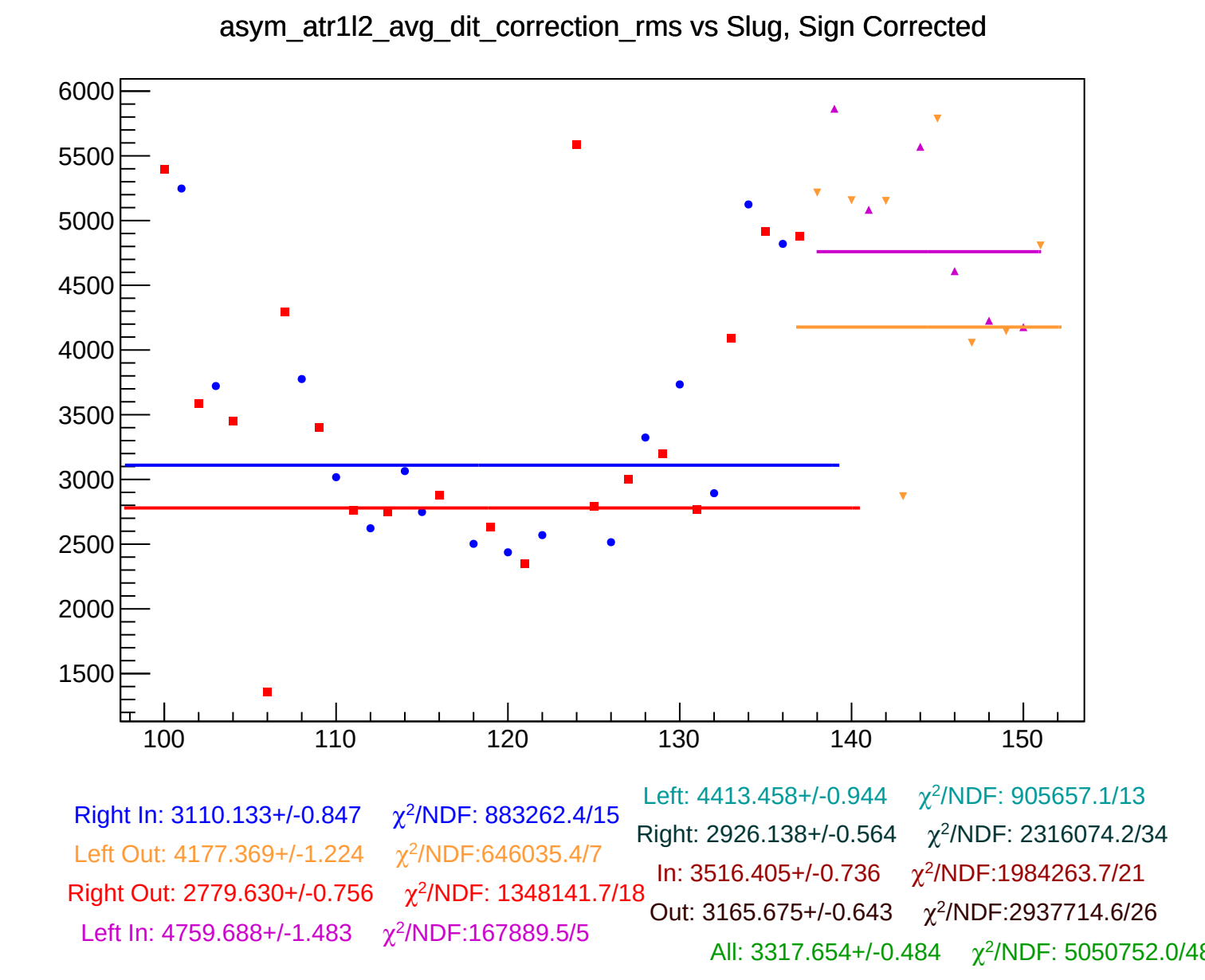
Left: 557.290+/-1334.979 χ^2/NDF: 13.8/13

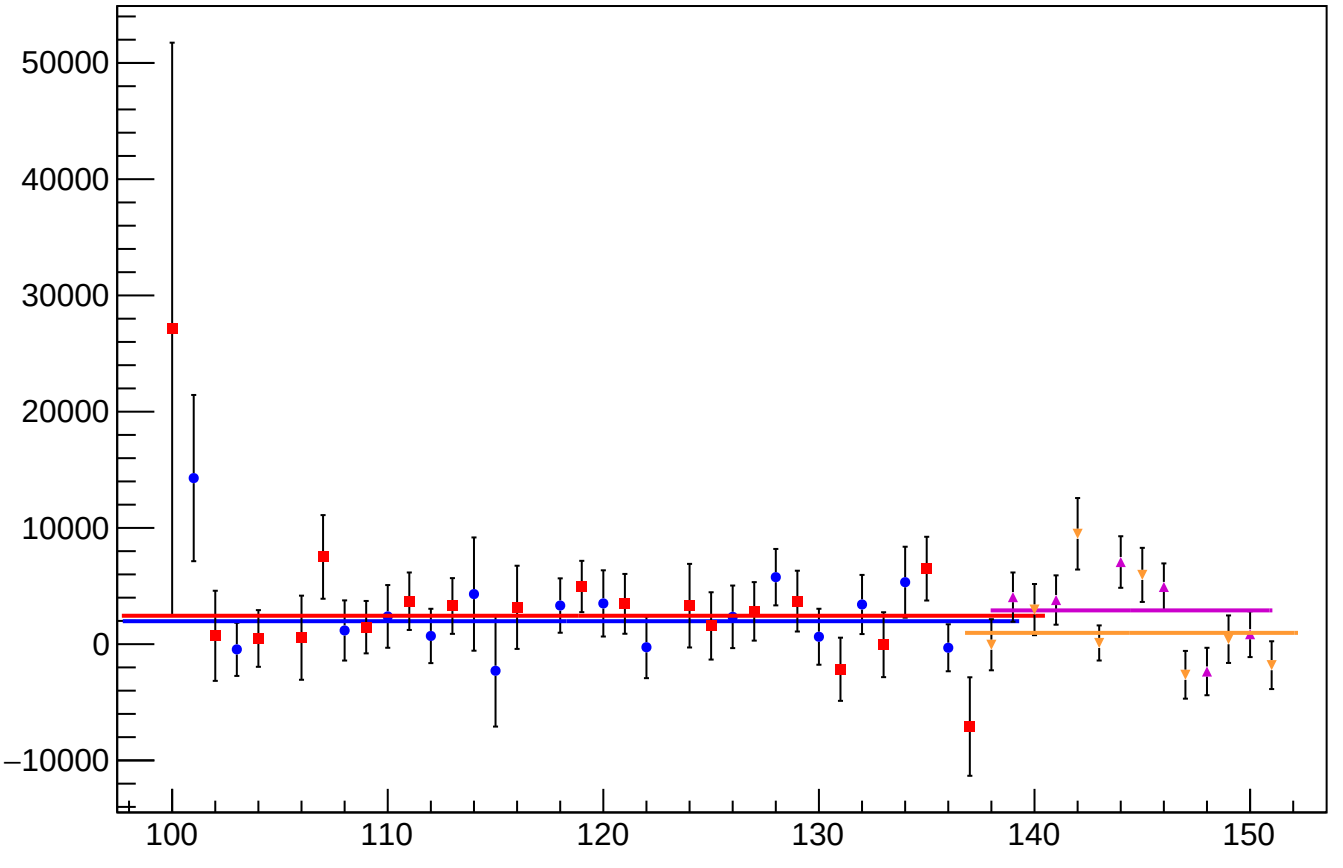
Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -155.493+/-1040.499 χ^2/NDF:17.3/21

Out: 605.533+/-909.869 χ^2/NDF:31.5/26

All: 275.764+/-684.931 χ^2/NDF: 49.0/48


asym_atr1l2_avg_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 3110.133+/-0.847 χ²/NDF: 883262.4/15
Left Out: 4177.369+/-1.224 χ²/NDF:646035.4/7
Right Out: 2779.630+/-0.756 χ²/NDF: 1348141.7/18
Left In: 4759.688+/-1.483 χ²/NDF:167889.5/5
Left: 4413.458+/-0.944 χ²/NDF: 905657.1/13
Right: 2926.138+/-0.564 χ²/NDF: 2316074.2/34
In: 3516.405+/-0.736 χ²/NDF:1984263.7/21
Out: 3165.675+/-0.643 χ²/NDF:2937714.6/26
All: 3317.654+/-0.484 χ²/NDF: 5050752.0/48



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 971.674+/-734.089 χ^2/NDF:18.6/7

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2905.429+/-848.274 χ^2/NDF:12.7/5

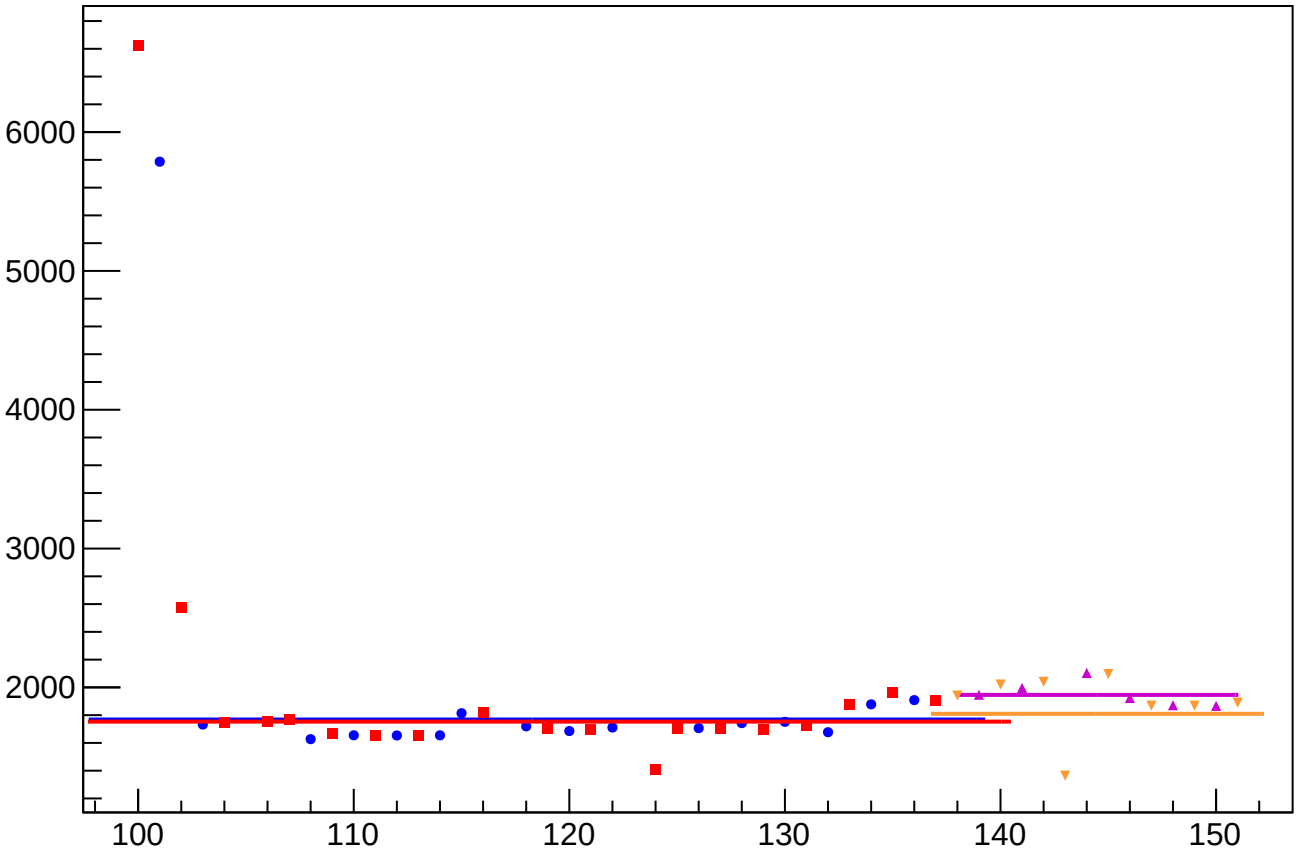
Left: 1799.733+/-555.093 χ^2/NDF: 34.3/13

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2335.625+/-527.746 χ^2/NDF:25.9/21

Out: 1788.534+/-489.845 χ^2/NDF:38.3/26

All: 2041.731+/-359.025 χ^2/NDF: 64.8/48



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1809.467+/-0.519 χ^2/NDF:247444.4/7

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1945.867+/-0.600 χ^2/NDF:17429.5/5

Left: 1867.875+/-0.393 χ^2/NDF: 294441.8/13

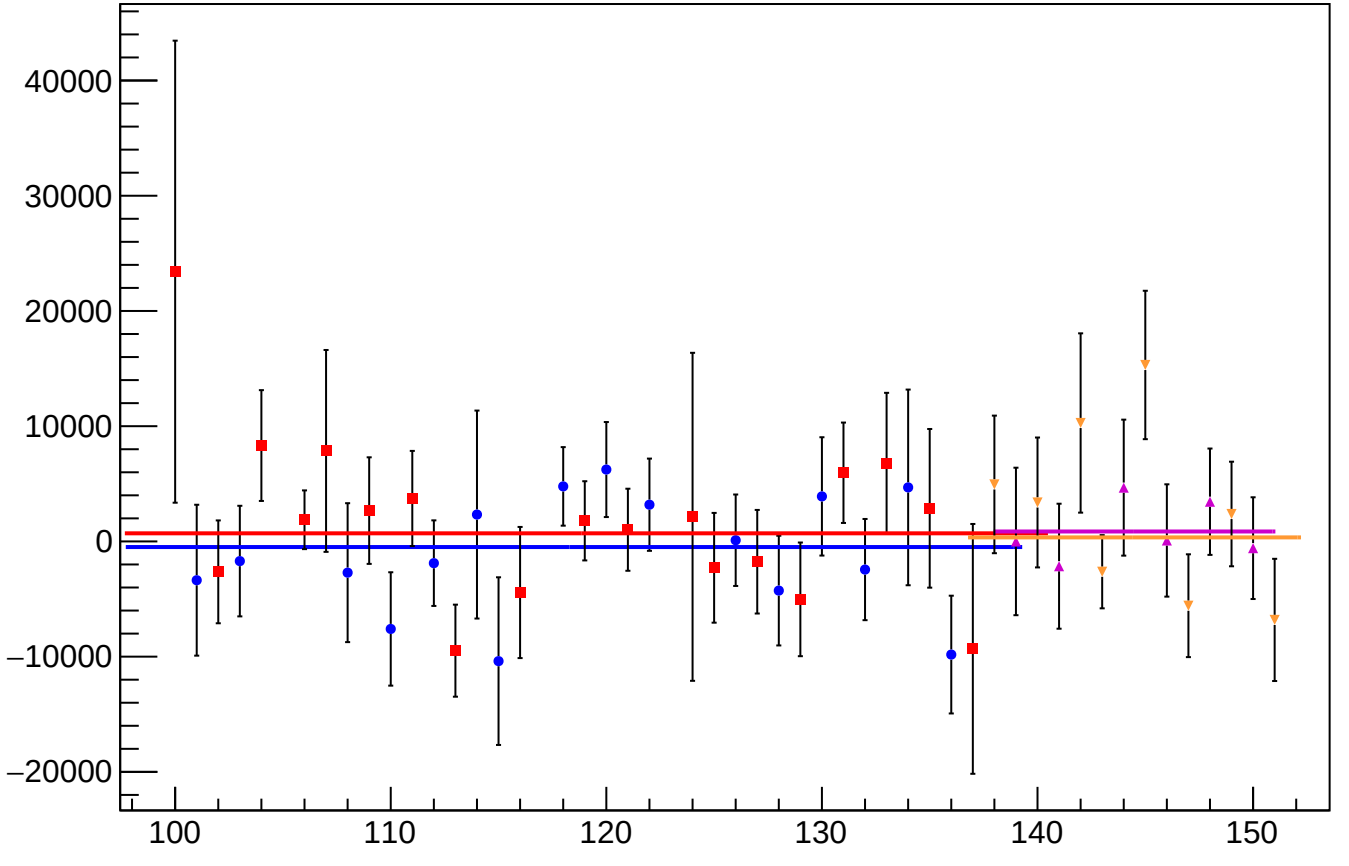
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1837.139+/-0.373 χ^2/NDF:738403.7/21

Out: 1778.281+/-0.346 χ^2/NDF:472800.0/26

All: 1805.478+/-0.254 χ^2/NDF: 1224585.5/48

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: 349.251+/-1731.303 χ^2/NDF:12.6/7

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 862.373+/-2096.607 χ^2/NDF:1.2/5

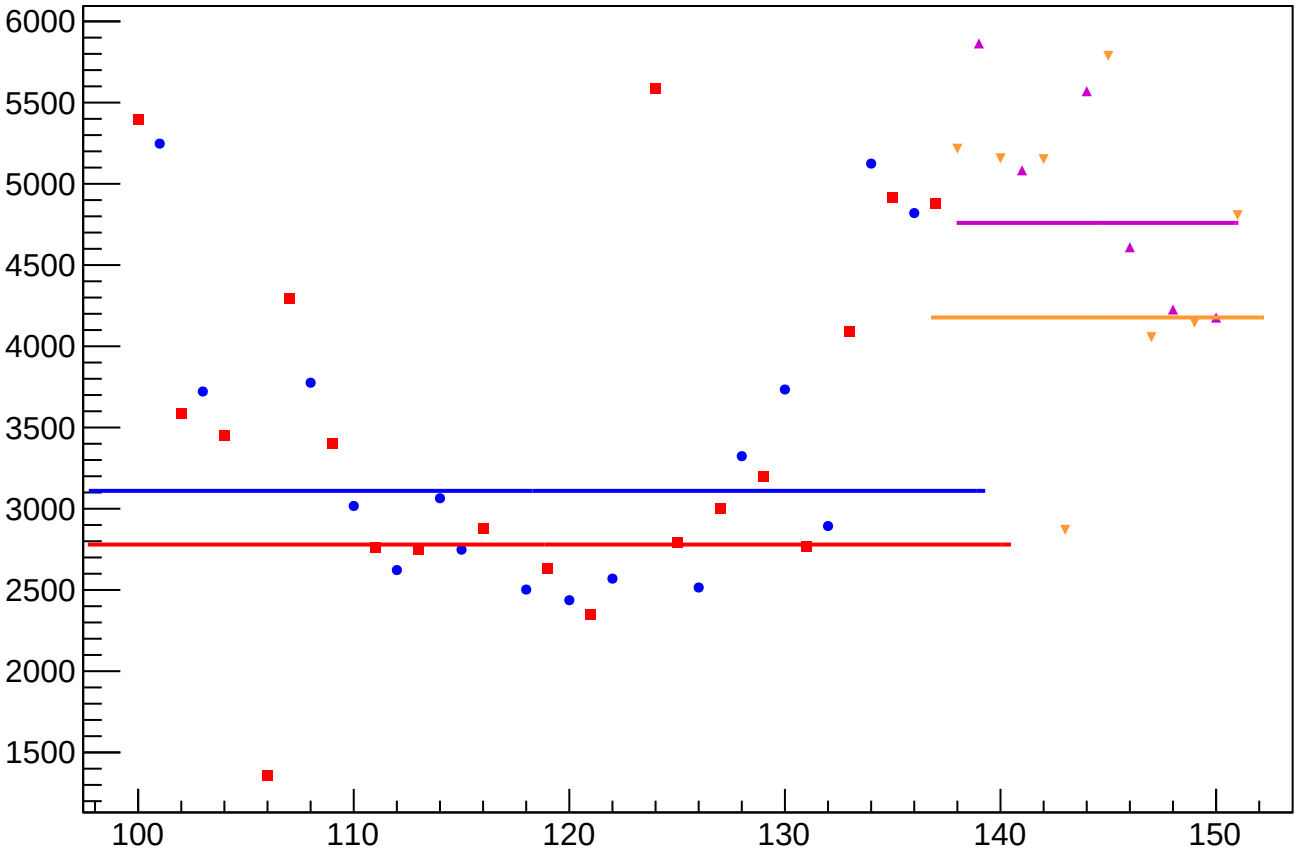
Left: 557.286+/-1334.980 χ^2/NDF: 13.8/13

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -155.490+/-1040.497 χ^2/NDF:17.3/21

Out: 605.533+/-909.867 χ^2/NDF:31.5/26

All: 275.765+/-684.930 χ^2/NDF: 49.0/48



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4177.371+/-1.224 χ^2/NDF:646040.3/7

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 4759.692+/-1.483 χ^2/NDF:167892.3/5

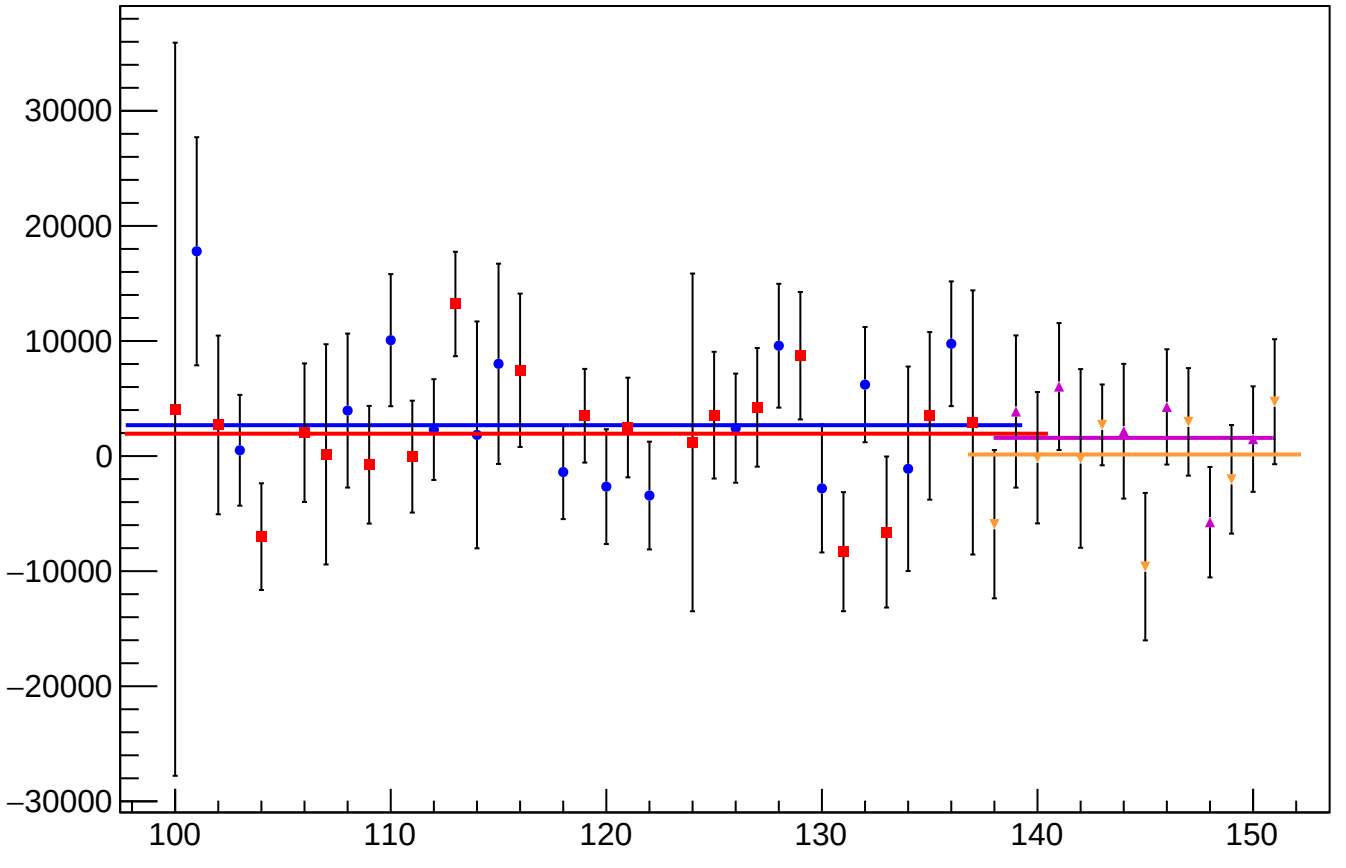
Left: 4413.461+/-0.944 χ^2/NDF: 905665.2/13

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3516.395+/-0.736 χ^2/NDF:1984294.1/21

Out: 3165.664+/-0.643 χ^2/NDF:2937760.5/26

All: 3317.643+/-0.484 χ^2/NDF: 5050829.9/48



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 137.138+/-1821.413 χ^2/NDF:5.0/7

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1581.636+/-2152.870 χ^2/NDF:3.4/5

Left: 739.748+/-1390.520 χ^2/NDF: 8.7/13

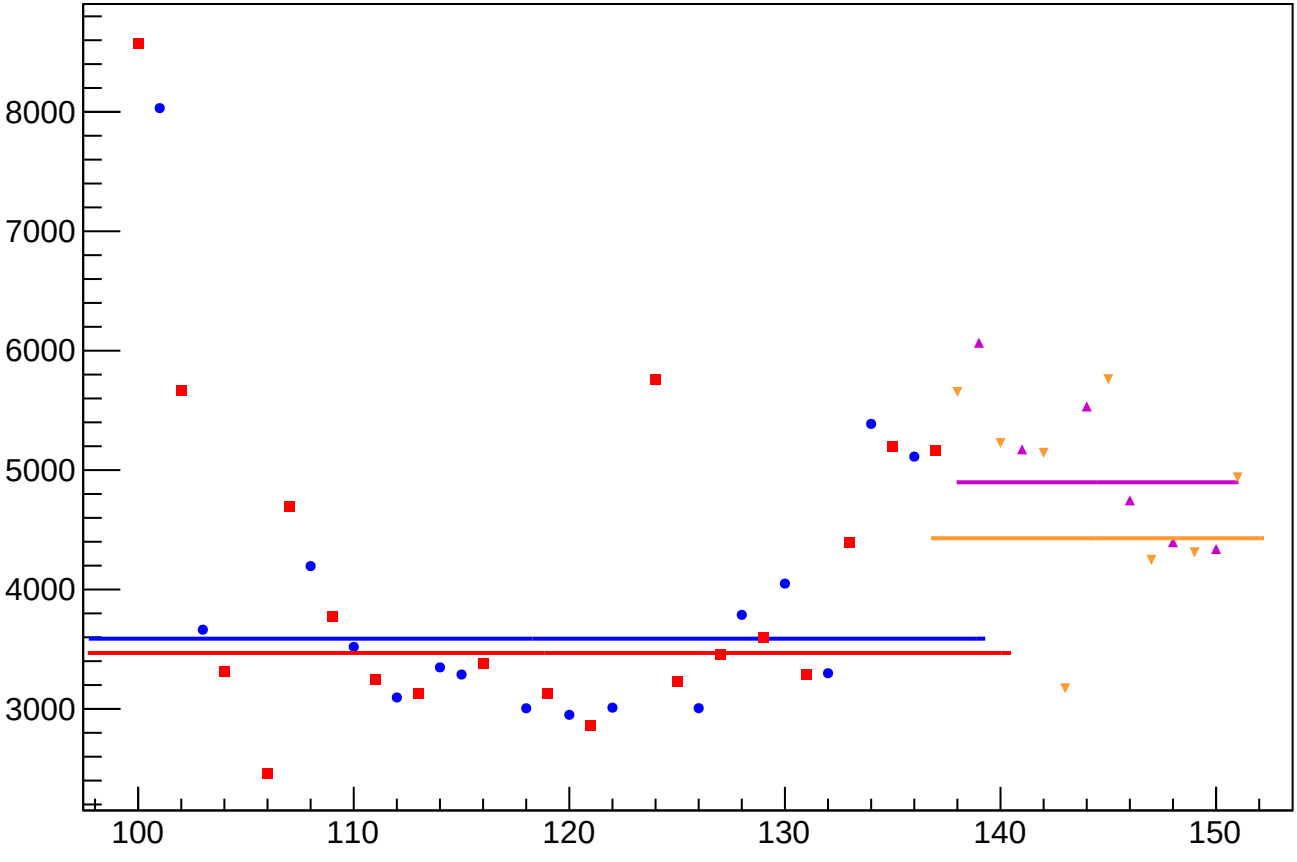
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2363.996+/-1161.749 χ^2/NDF:17.1/21

Out: 1314.890+/-1075.691 χ^2/NDF:24.4/26

All: 1799.152+/-789.301 χ^2/NDF: 41.9/48

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4429.452+/-1.288 χ^2/NDF:492650.5/7

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 4897.946+/-1.522 χ^2/NDF:144356.2/5

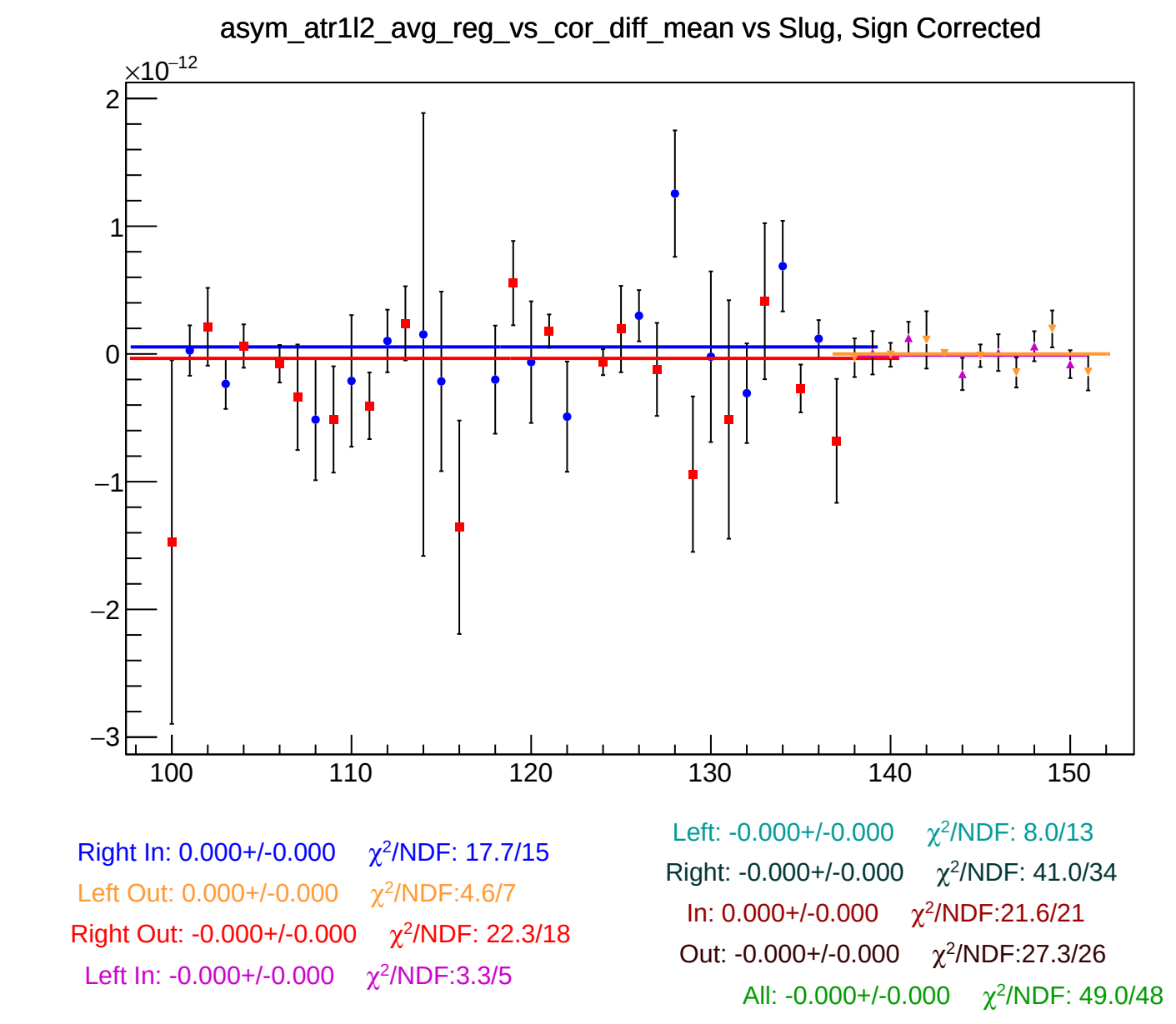
Left: 4624.896+/-0.983 χ^2/NDF: 692206.9/13

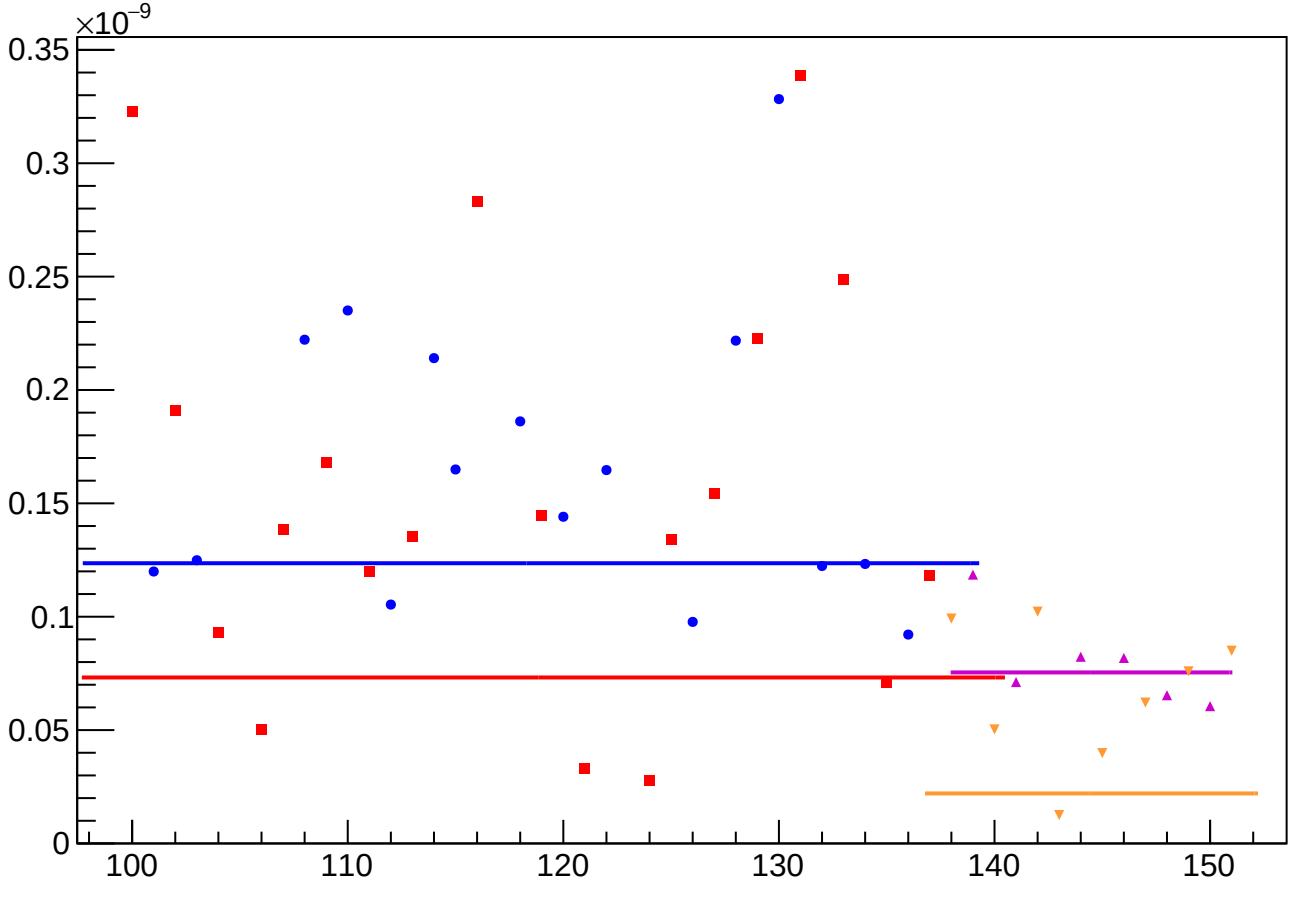
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 3969.758+/-0.821 χ^2/NDF:1514069.4/21

Out: 3797.099+/-0.753 χ^2/NDF:1525476.0/26

All: 3875.938+/-0.555 χ^2/NDF: 3063549.8/48


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:4.6/7
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:3.3/5
Left: -0.000+/-0.000 χ²/NDF: 8.0/13
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:21.6/21
Out: -0.000+/-0.000 χ²/NDF:27.3/26
All: -0.000+/-0.000 χ²/NDF: 49.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2283401.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:193051.4/5

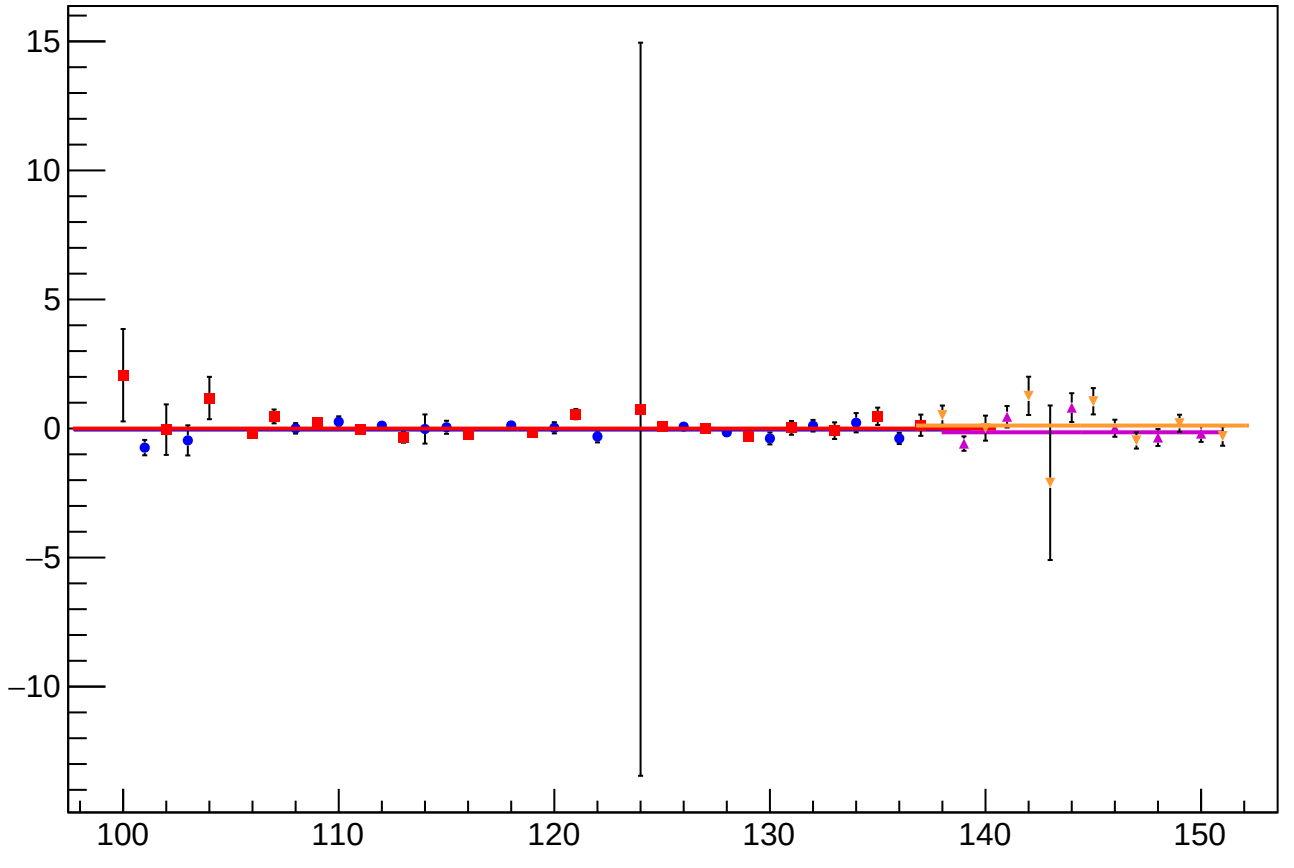
Left: 0.000+/-0.000 χ^2/NDF: 4287797.4/13

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1428662.8/21

Out: 0.000+/-0.000 χ^2/NDF:6086807.3/26

All: 0.000+/-0.000 χ^2/NDF: 11208143.1/48



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.147+/-0.141 χ^2/NDF:8.1/5

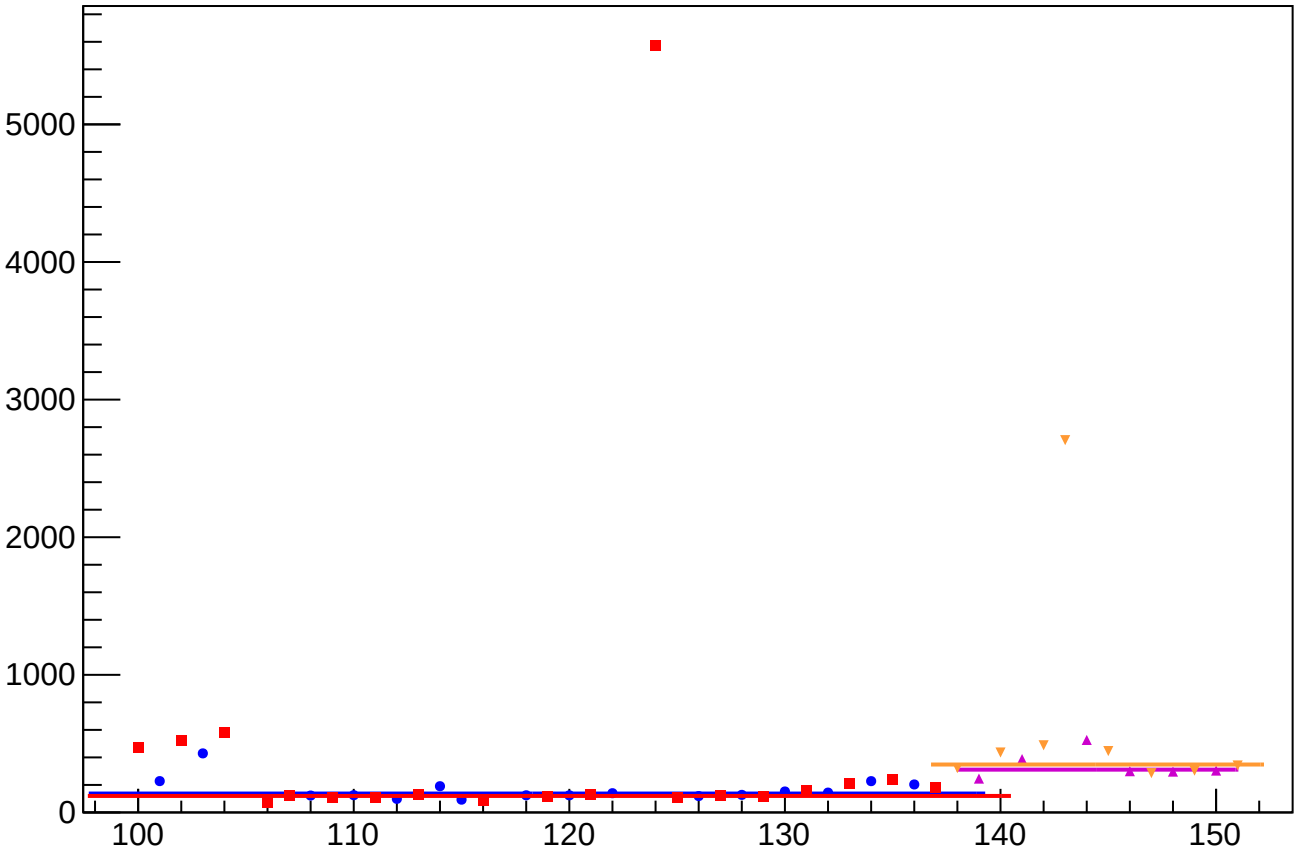
Left: -0.025+/-0.104 χ^2/NDF: 21.8/13

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.054+/-0.052 χ^2/NDF:26.5/21

Out: 0.009+/-0.048 χ^2/NDF:41.4/26

All: -0.020+/-0.035 χ^2/NDF: 68.7/48



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 348.328+/-0.107 χ^2/NDF:1572737.9/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 311.062+/-0.100 χ^2/NDF:482861.4/5

Left: 328.374+/-0.073 χ^2/NDF: 2120070.3/13

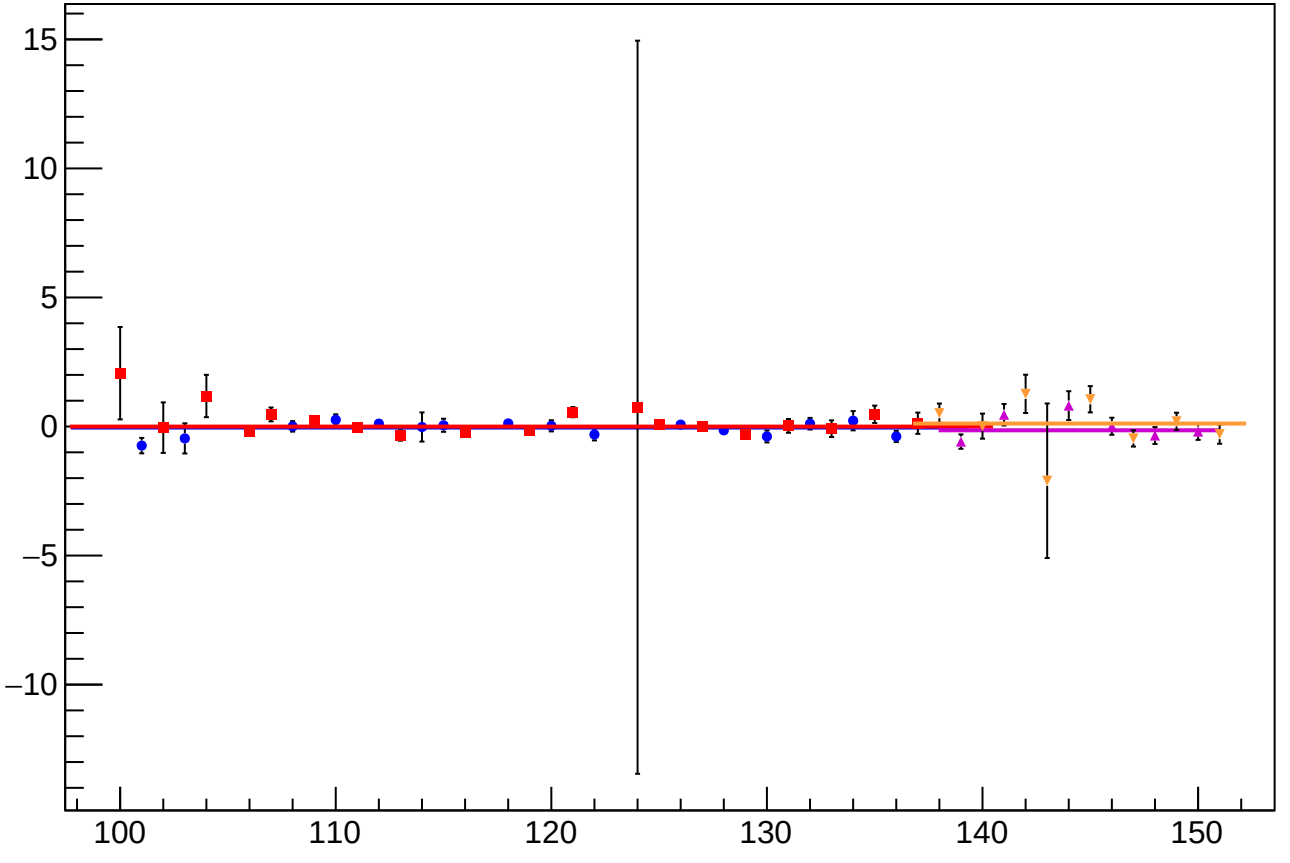
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 160.795+/-0.037 χ^2/NDF:4358993.1/21

Out: 143.081+/-0.034 χ^2/NDF:7775625.2/26

All: 151.296+/-0.025 χ^2/NDF: 12259444.9/48

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: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.147+/-0.141 χ^2/NDF:8.1/5

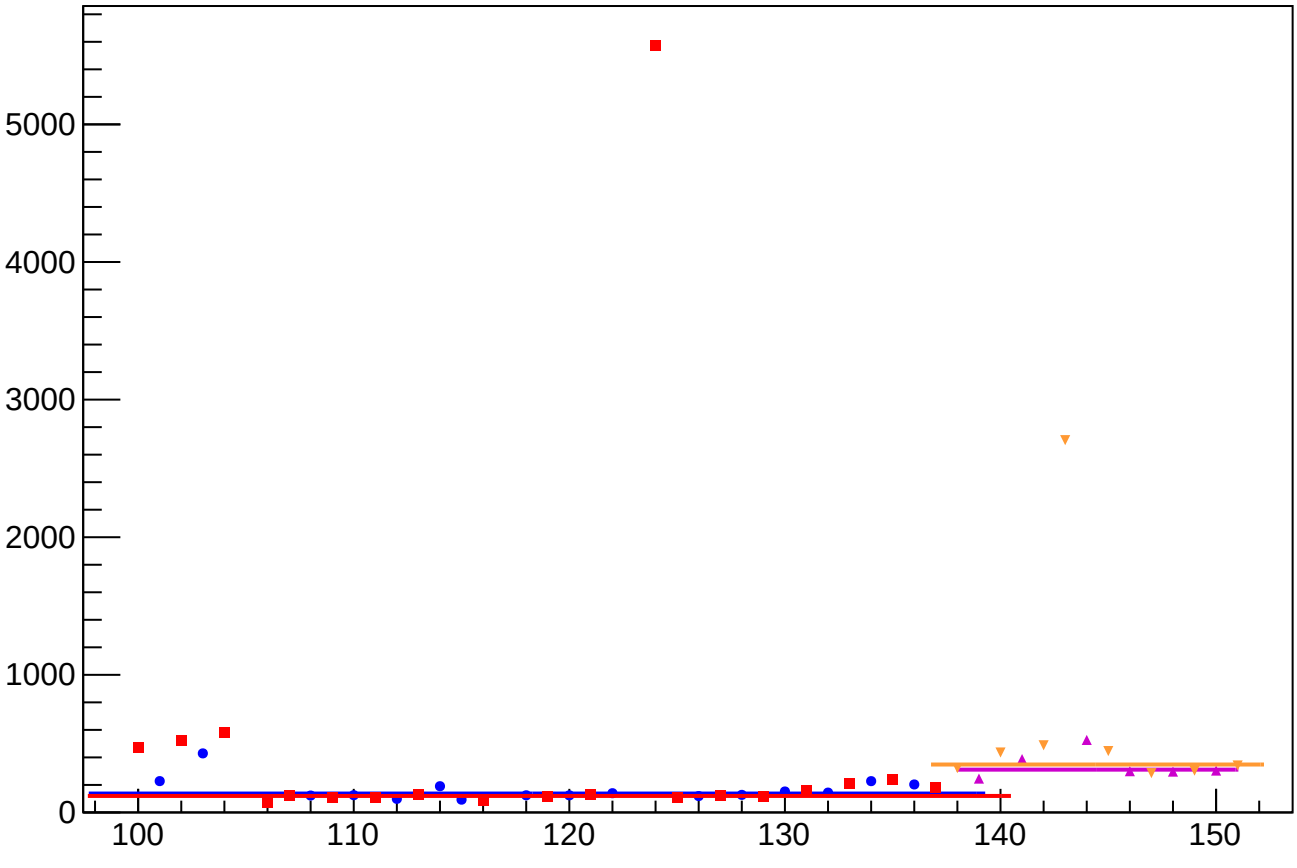
Left: -0.025+/-0.104 χ^2/NDF: 21.8/13

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.054+/-0.052 χ^2/NDF:26.5/21

Out: 0.009+/-0.048 χ^2/NDF:41.4/26

All: -0.020+/-0.035 χ^2/NDF: 68.7/48



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 348.328+/-0.107 χ^2/NDF:1572737.9/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 311.062+/-0.100 χ^2/NDF:482861.4/5

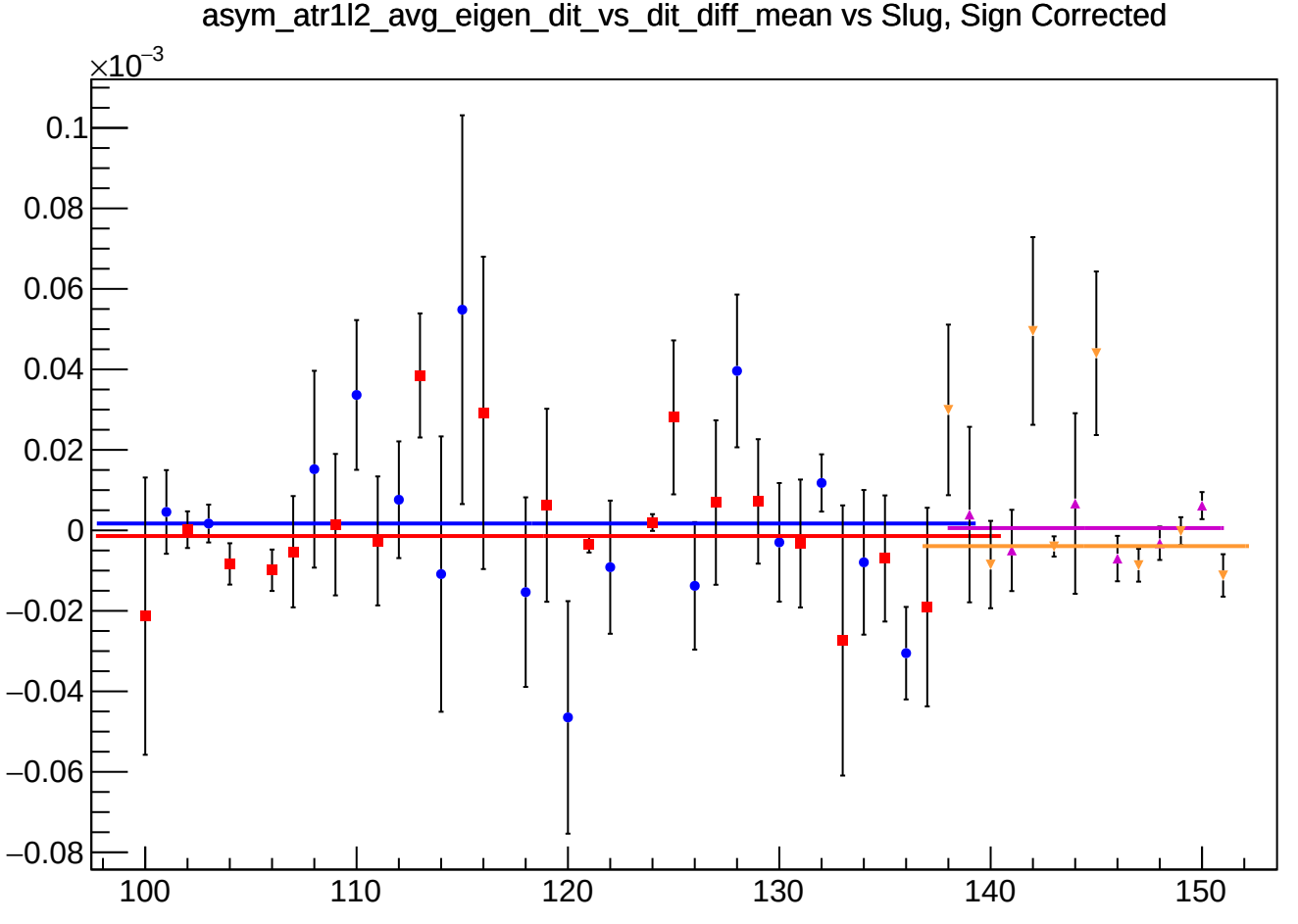
Left: 328.374+/-0.073 χ^2/NDF: 2120070.3/13

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 160.795+/-0.037 χ^2/NDF:4358993.1/21

Out: 143.081+/-0.034 χ^2/NDF:7775625.2/26

All: 151.296+/-0.025 χ^2/NDF: 12259444.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/5

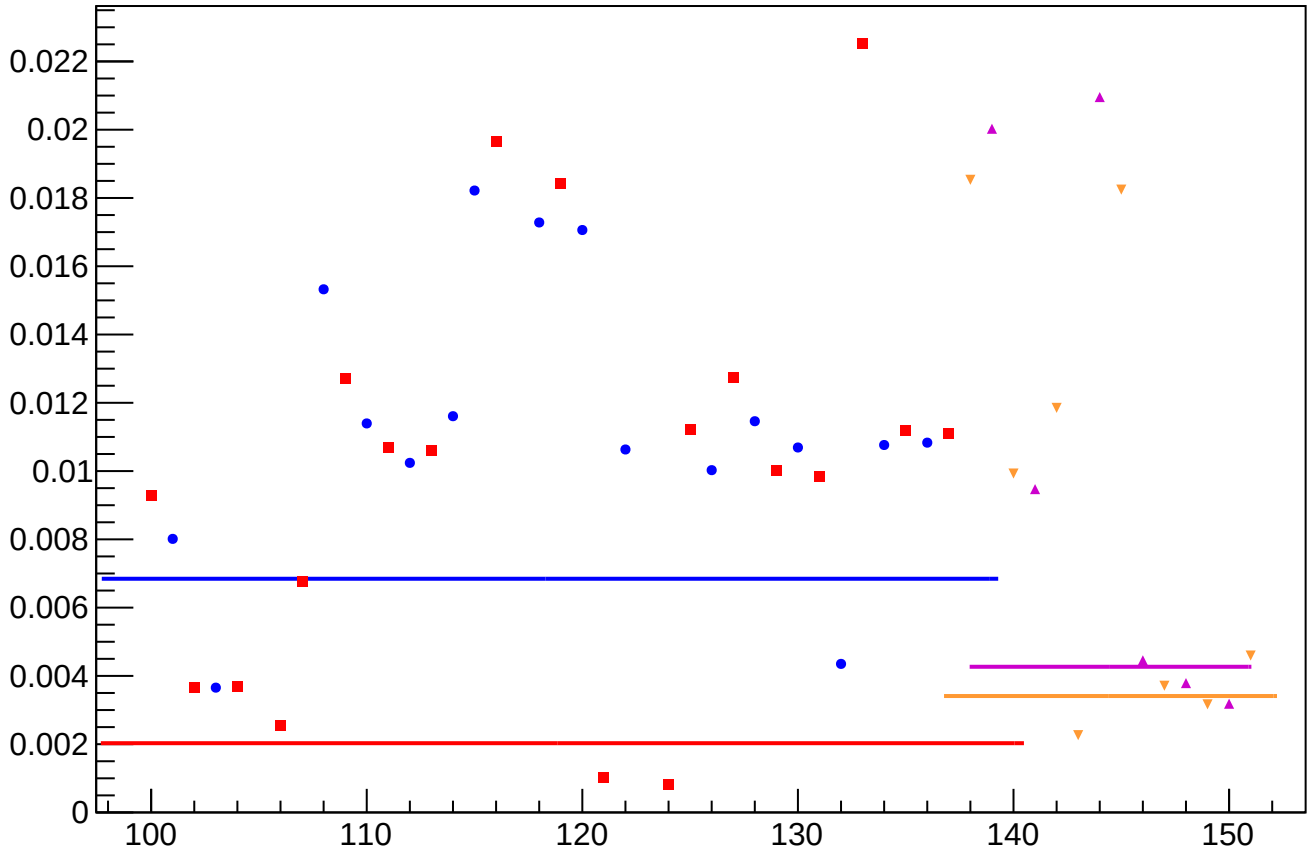
Left: -0.000+/-0.000 χ^2/NDF: 26.2/13

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:29.7/21

Out: -0.000+/-0.000 χ^2/NDF:39.6/26

All: -0.000+/-0.000 χ^2/NDF: 71.8/48



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3603927.1/7

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.004+/-0.000 χ^2/NDF:2919415.5/5

Left: 0.004+/-0.000 χ^2/NDF: 6705753.3/13

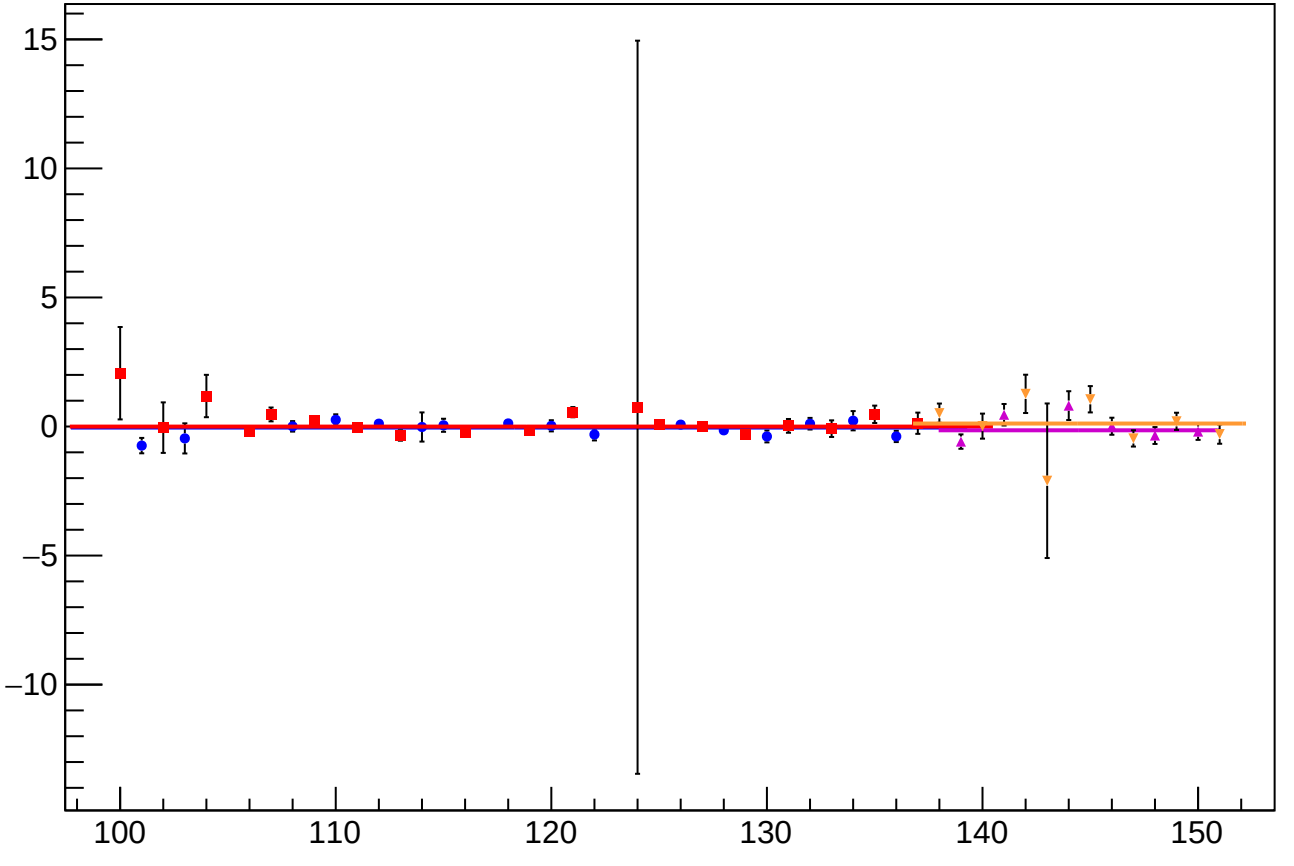
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:7097783.6/21

Out: 0.003+/-0.000 χ^2/NDF:13475134.4/26

All: 0.003+/-0.000 χ^2/NDF: 23982756.6/48

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: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.147+/-0.141 χ^2/NDF:8.1/5

Left: -0.025+/-0.104 χ^2/NDF: 21.8/13

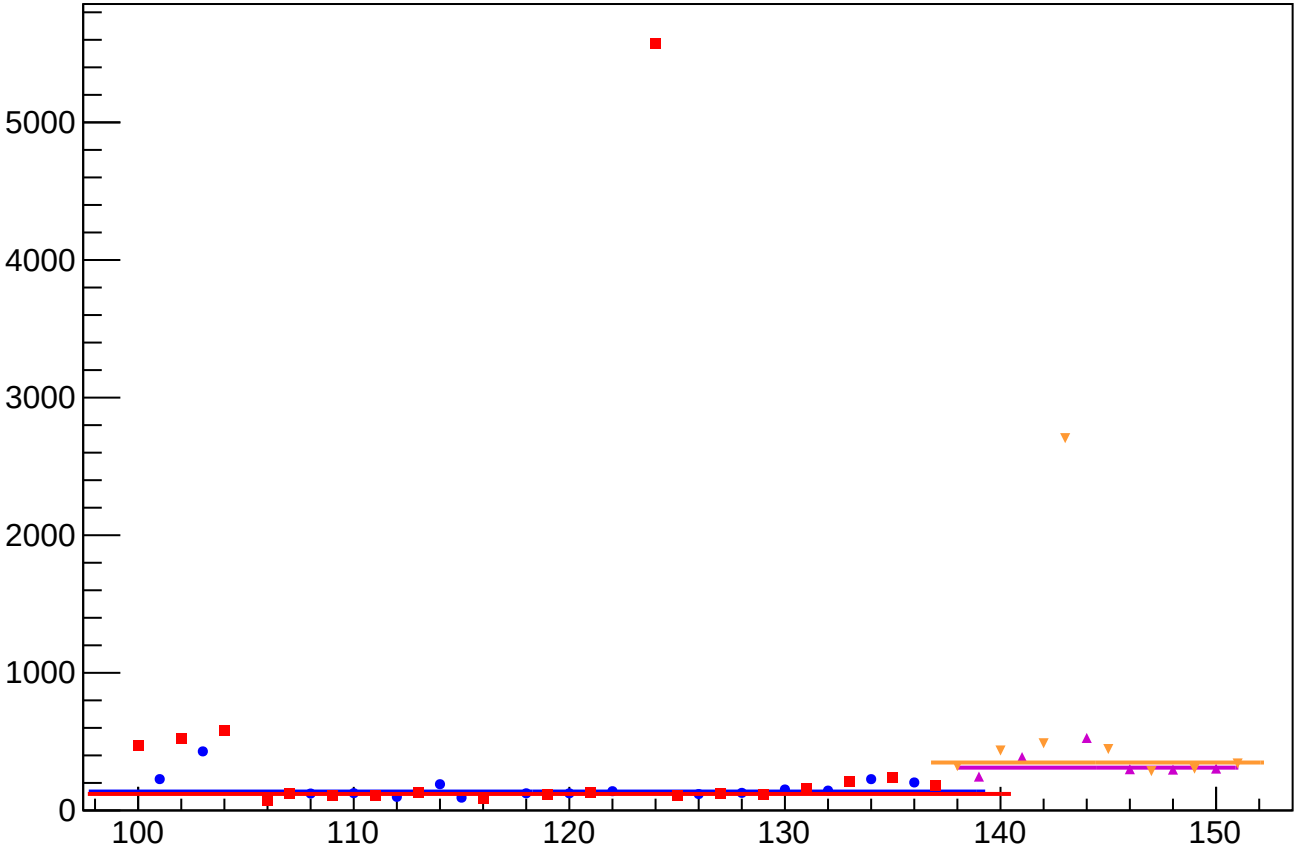
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.054+/-0.052 χ^2/NDF:26.5/21

Out: 0.009+/-0.048 χ^2/NDF:41.4/26

All: -0.020+/-0.035 χ^2/NDF: 68.7/48

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 348.330+/-0.107 χ^2/NDF:1572765.3/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 311.066+/-0.100 χ^2/NDF:482849.3/5

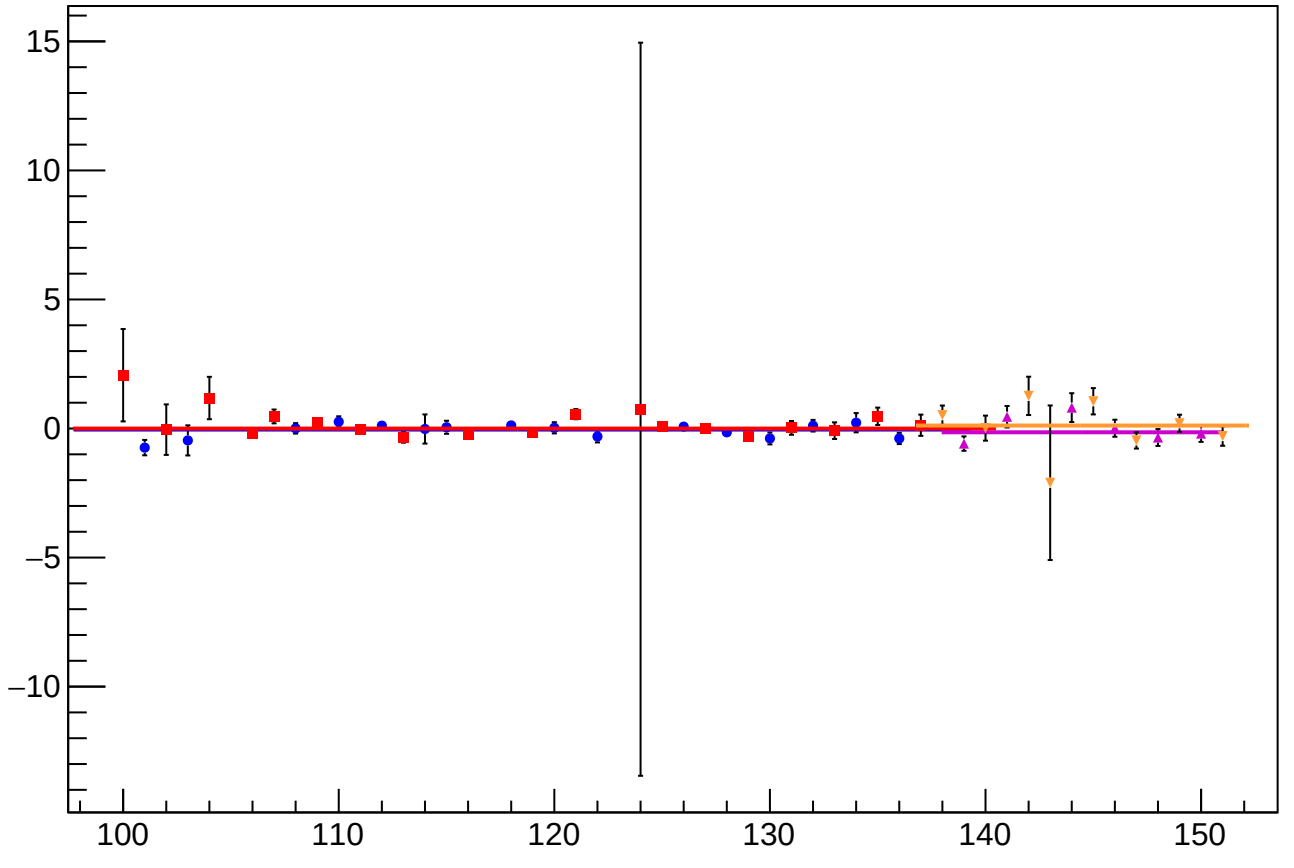
Left: 328.377+/-0.073 χ^2/NDF: 2120078.1/13

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 160.796+/-0.037 χ^2/NDF:4358951.2/21

Out: 143.081+/-0.034 χ^2/NDF:7775601.8/26

All: 151.296+/-0.025 χ^2/NDF: 12259395.0/48



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.147+/-0.141 χ^2/NDF:8.1/5

Left: -0.025+/-0.104 χ^2/NDF: 21.8/13

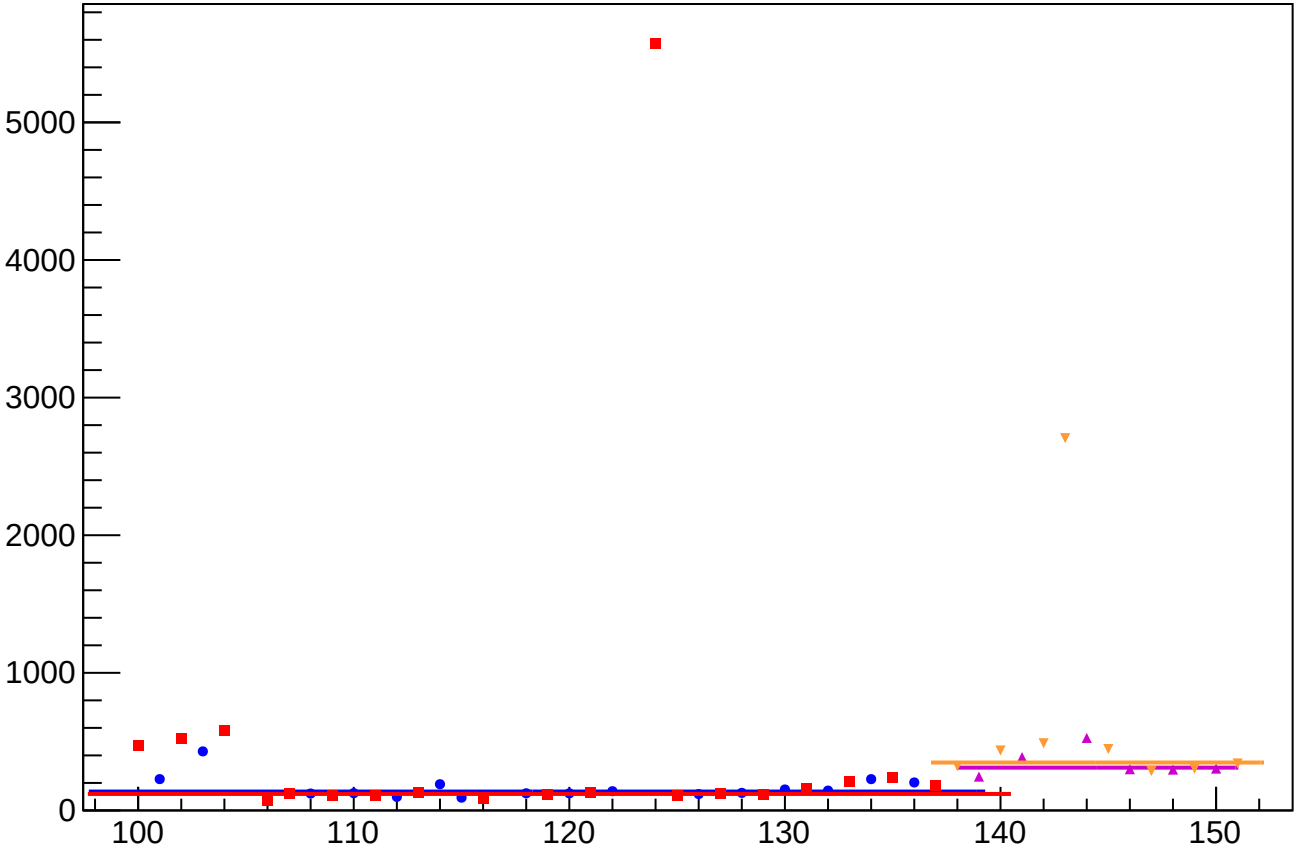
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.054+/-0.052 χ^2/NDF:26.5/21

Out: 0.009+/-0.048 χ^2/NDF:41.4/26

All: -0.020+/-0.035 χ^2/NDF: 68.7/48

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: 348.330+/-0.107 χ^2/NDF:1572765.3/7

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 311.066+/-0.100 χ^2/NDF:482849.3/5

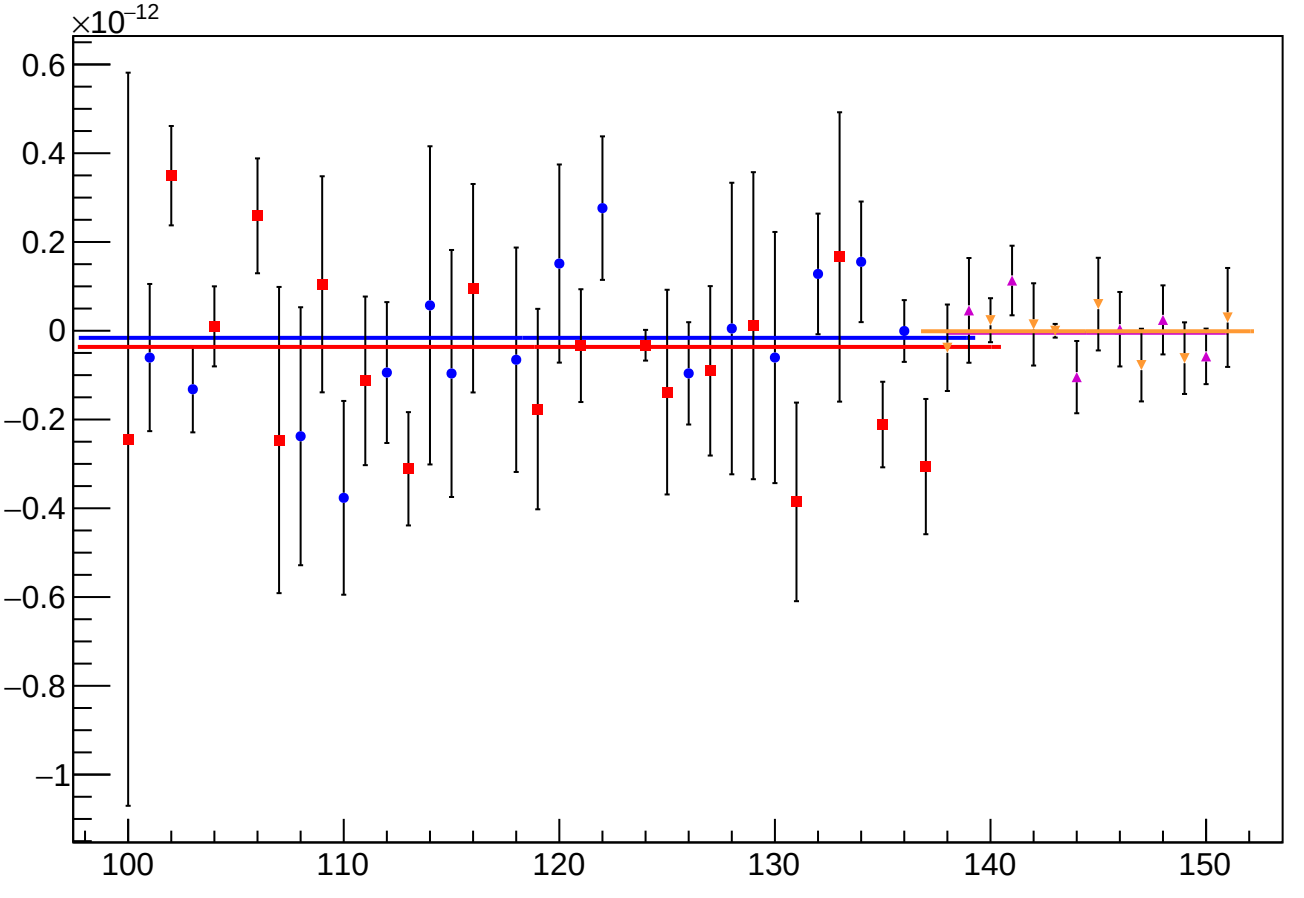
Left: 328.377+/-0.073 χ^2/NDF: 2120078.1/13

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 160.796+/-0.037 χ^2/NDF:4358951.2/21

Out: 143.081+/-0.034 χ^2/NDF:7775601.8/26

All: 151.296+/-0.025 χ^2/NDF: 12259395.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/7

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/5

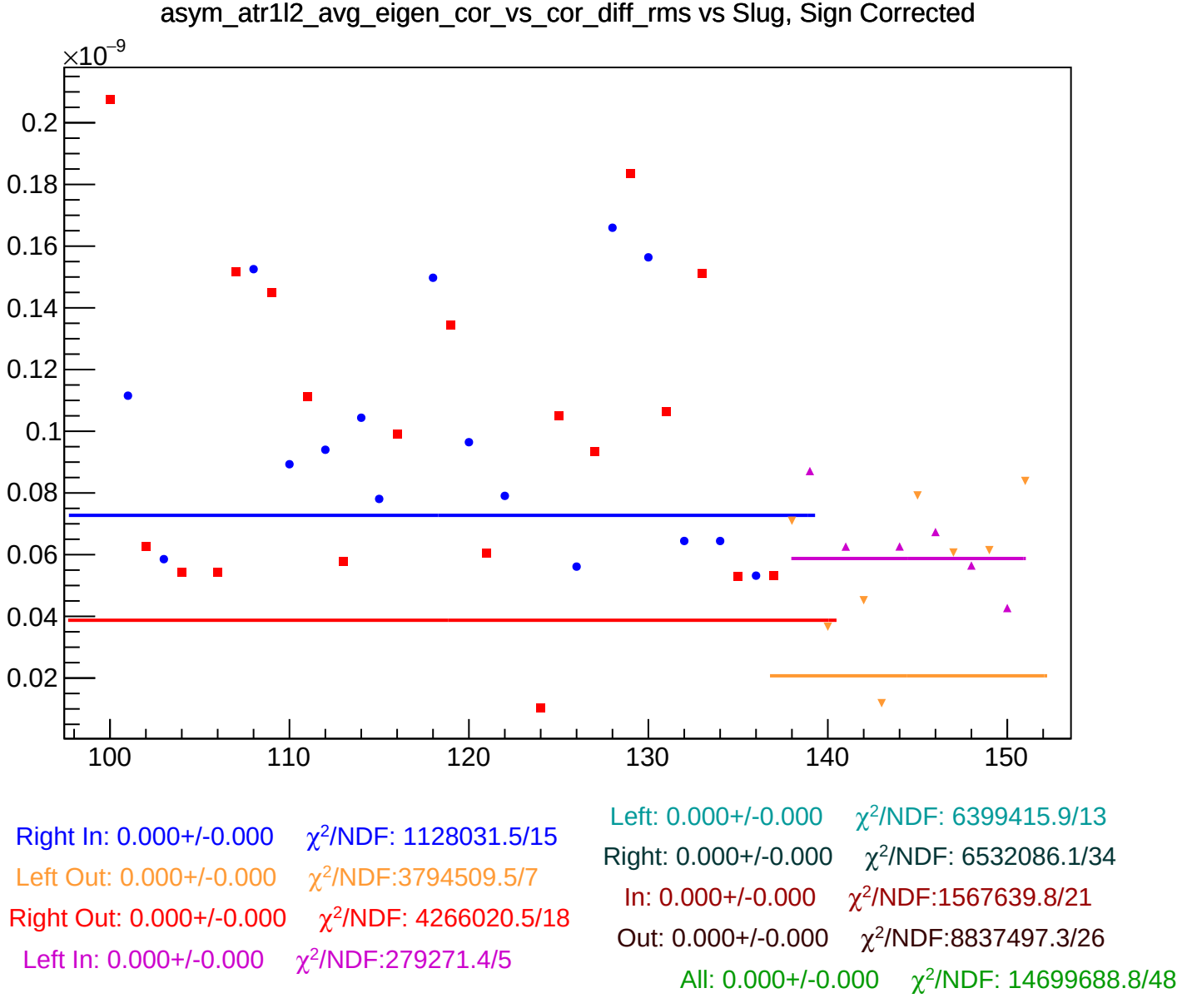
Left: -0.000+/-0.000 χ^2/NDF: 7.1/13

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

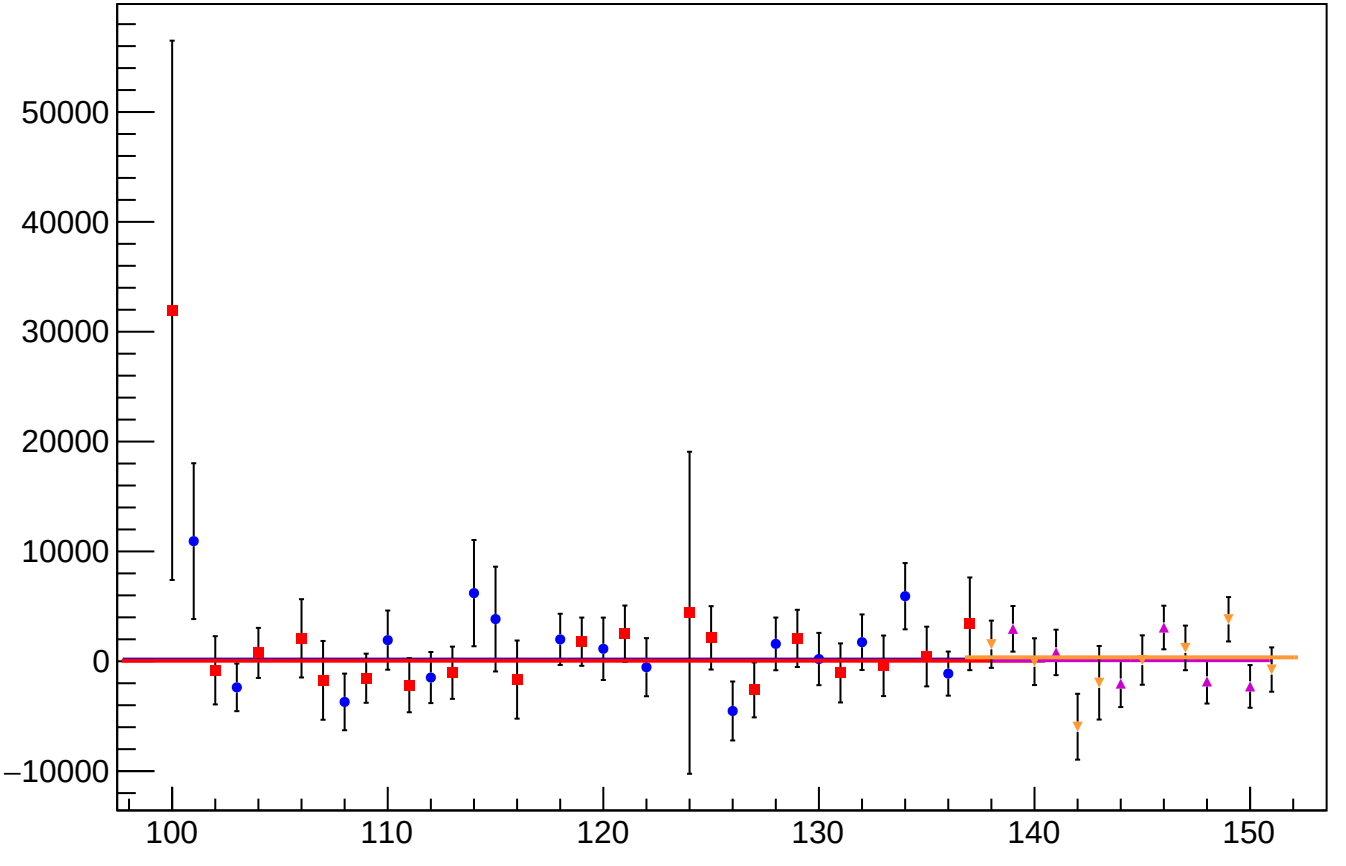
In: -0.000+/-0.000 χ^2/NDF:17.2/21

Out: -0.000+/-0.000 χ^2/NDF:36.9/26

All: -0.000+/-0.000 χ^2/NDF: 54.1/48


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3794509.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:279271.4/5
Left: 0.000+/-0.000 χ²/NDF: 6399415.9/13
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:1567639.8/21
Out: 0.000+/-0.000 χ²/NDF:8837497.3/26
All: 0.000+/-0.000 χ²/NDF: 14699688.8/48

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 356.994+/-798.554 χ^2/NDF:8.7/7

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 102.490+/-830.515 χ^2/NDF:7.7/5

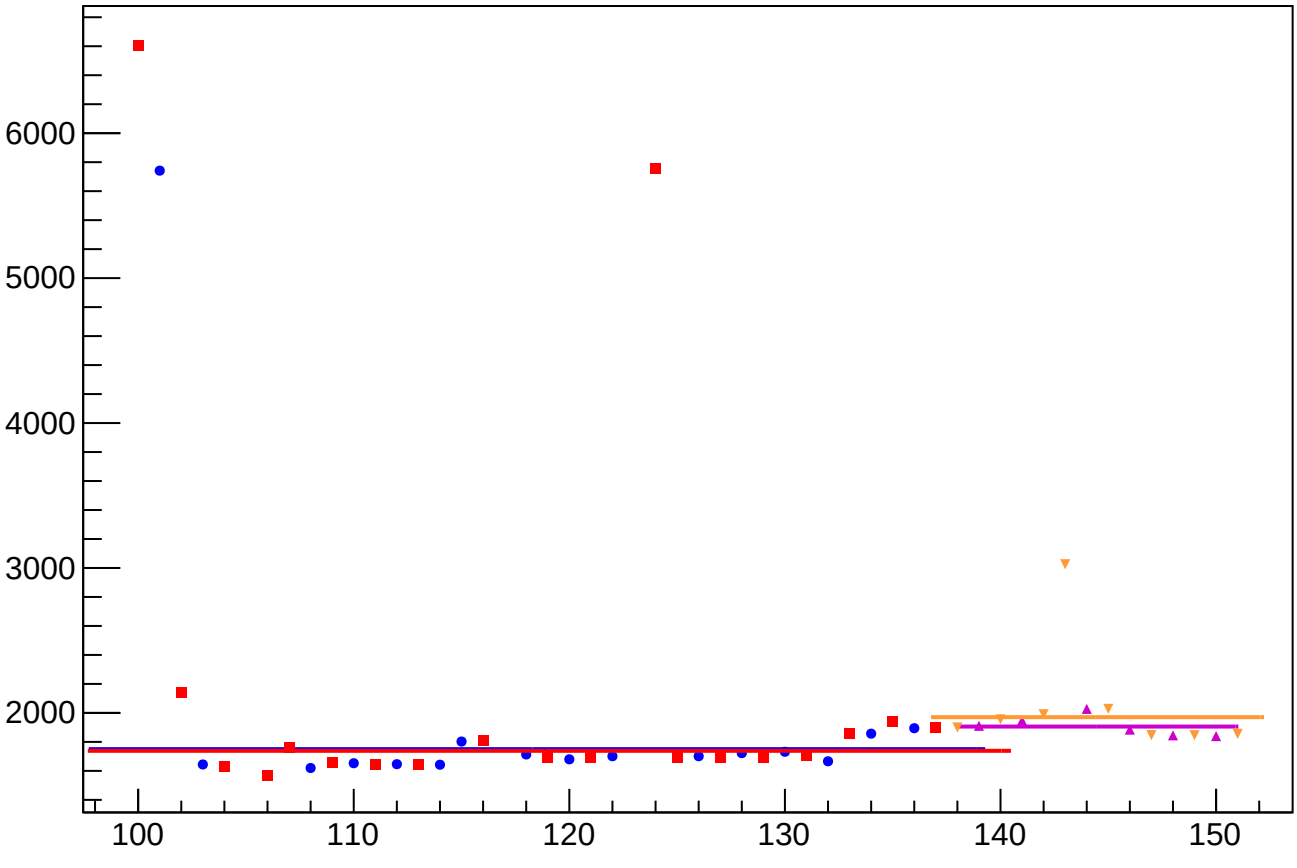
Left: 234.733+/-575.630 χ^2/NDF: 16.4/13

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 131.809+/-520.062 χ^2/NDF:25.3/21

Out: 175.985+/-506.556 χ^2/NDF:17.7/26

All: 154.478+/-362.870 χ^2/NDF: 43.1/48



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1970.618+/-0.565 χ^2/NDF:223760.3/7

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1905.850+/-0.587 χ^2/NDF:11678.4/5

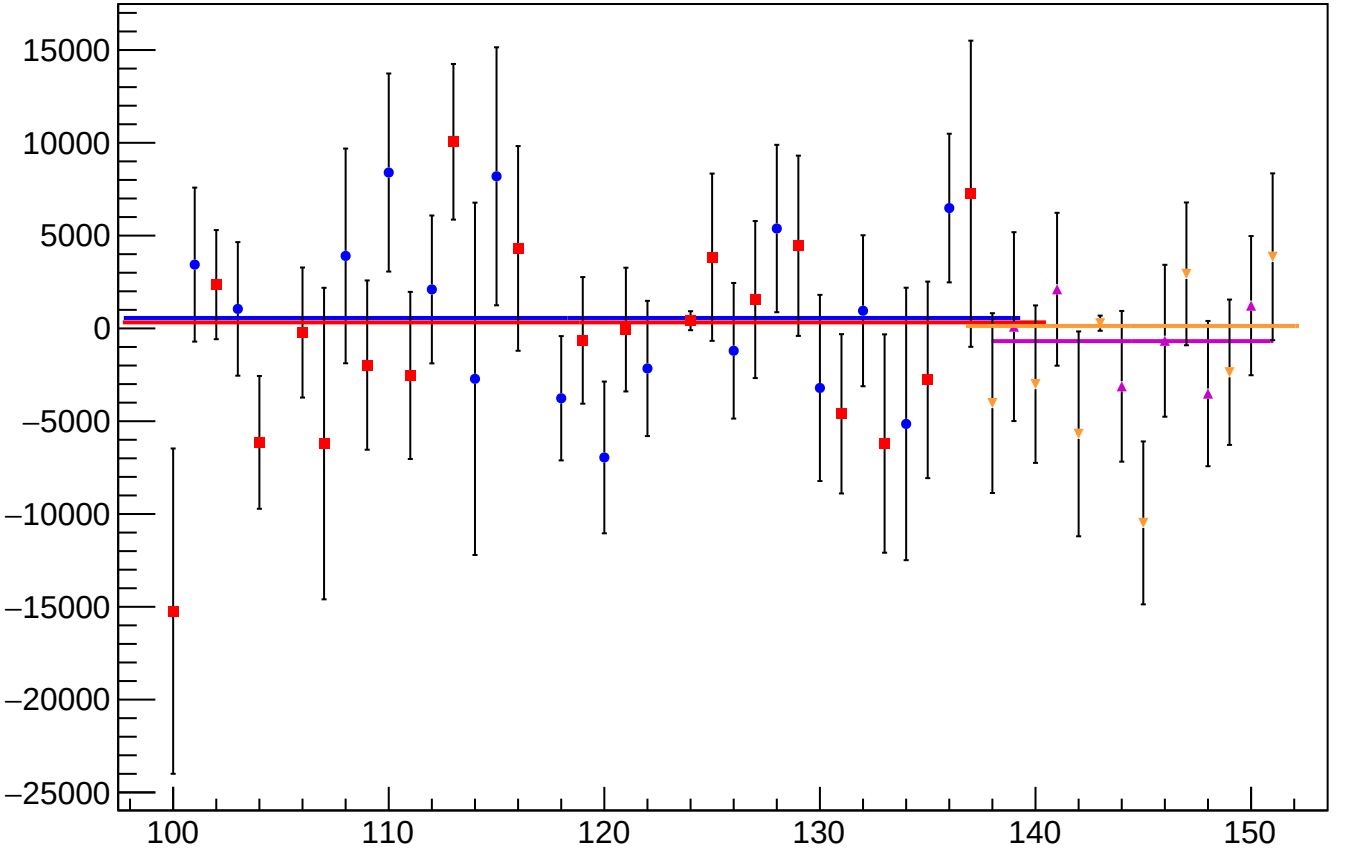
Left: 1939.504+/-0.407 χ^2/NDF: 241759.1/13

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1811.029+/-0.368 χ^2/NDF:724141.2/21

Out: 1831.077+/-0.357 χ^2/NDF:629842.6/26

All: 1821.361+/-0.256 χ^2/NDF: 1355515.5/48



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 133.503+/-397.140 χ^2/NDF:10.0/7

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -685.251+/-1679.865 χ^2/NDF:1.6/5

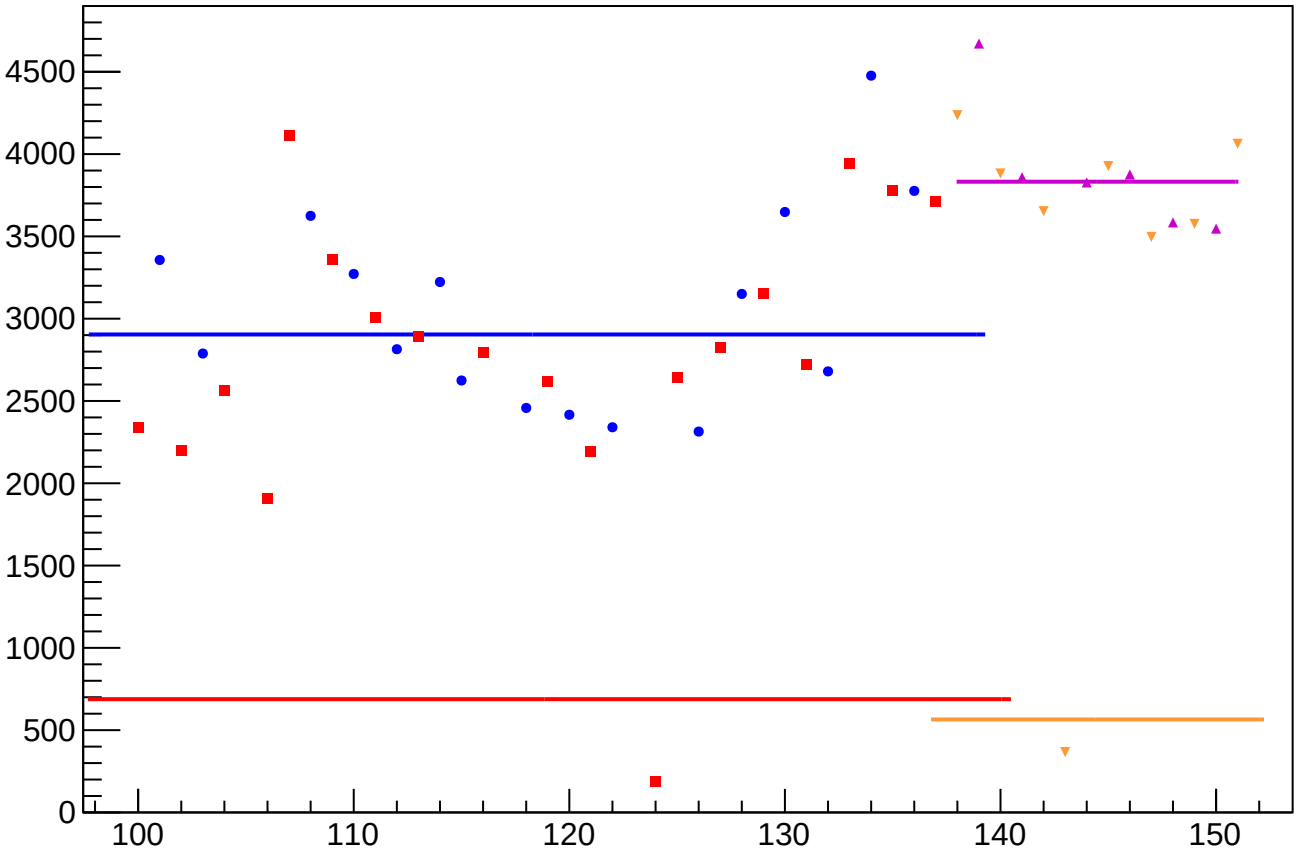
Left: 90.164+/-386.486 χ^2/NDF: 11.8/13

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 187.380+/-920.939 χ^2/NDF:16.8/21

Out: 215.945+/-300.033 χ^2/NDF:29.3/26

All: 213.204+/-285.275 χ^2/NDF: 46.1/48



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 564.963+/-0.281 χ^2/NDF:8195543.4/7

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 3832.209+/-1.188 χ^2/NDF:74289.0/5

Left: 737.905+/-0.273 χ^2/NDF: 15434994.2/13

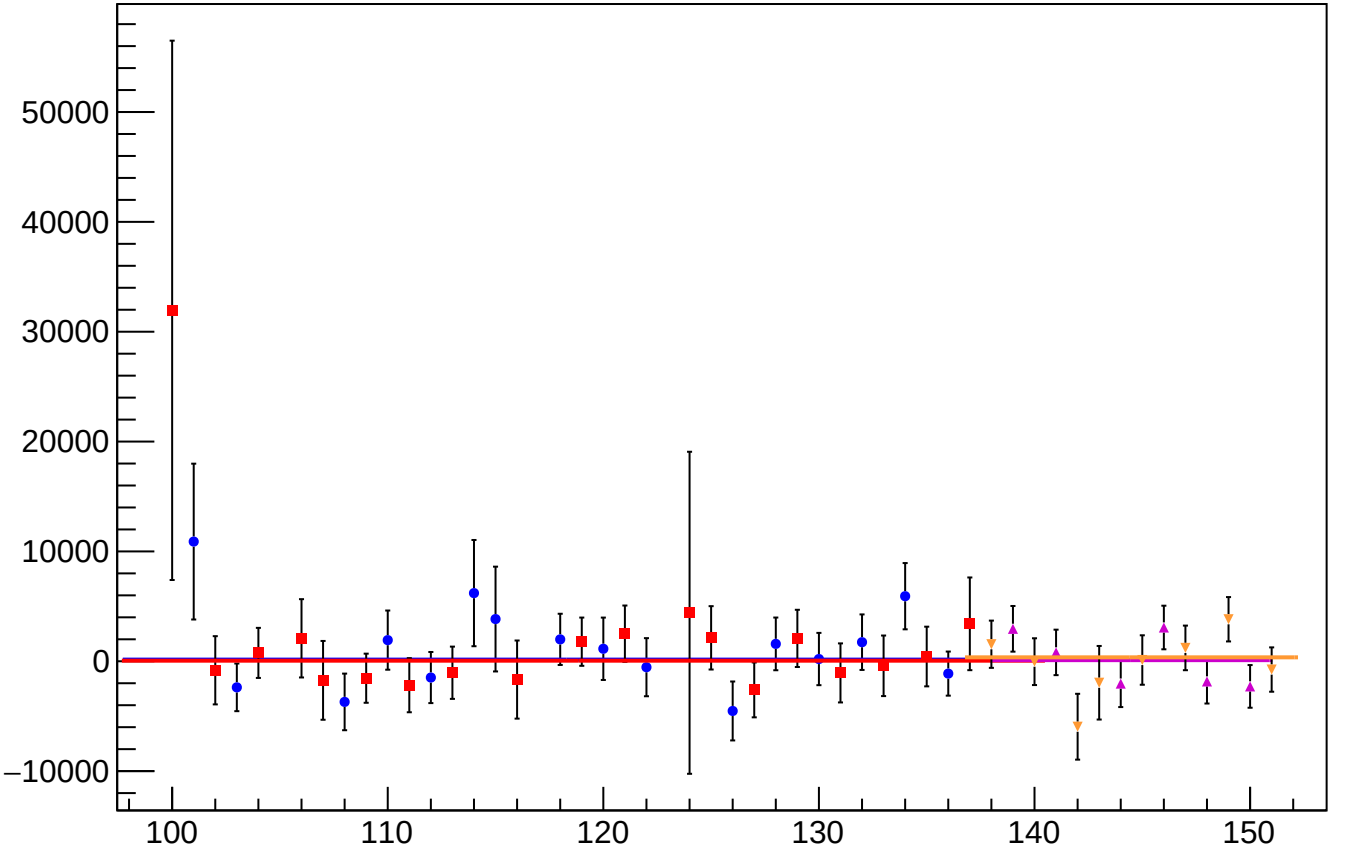
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3183.012+/-0.651 χ^2/NDF:981109.9/21

Out: 617.913+/-0.212 χ^2/NDF:18427284.4/26

All: 864.046+/-0.202 χ^2/NDF: 33435472.3/48

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 356.979+/-798.554 χ^2/NDF:8.7/7

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 102.569+/-830.515 χ^2/NDF:7.7/5

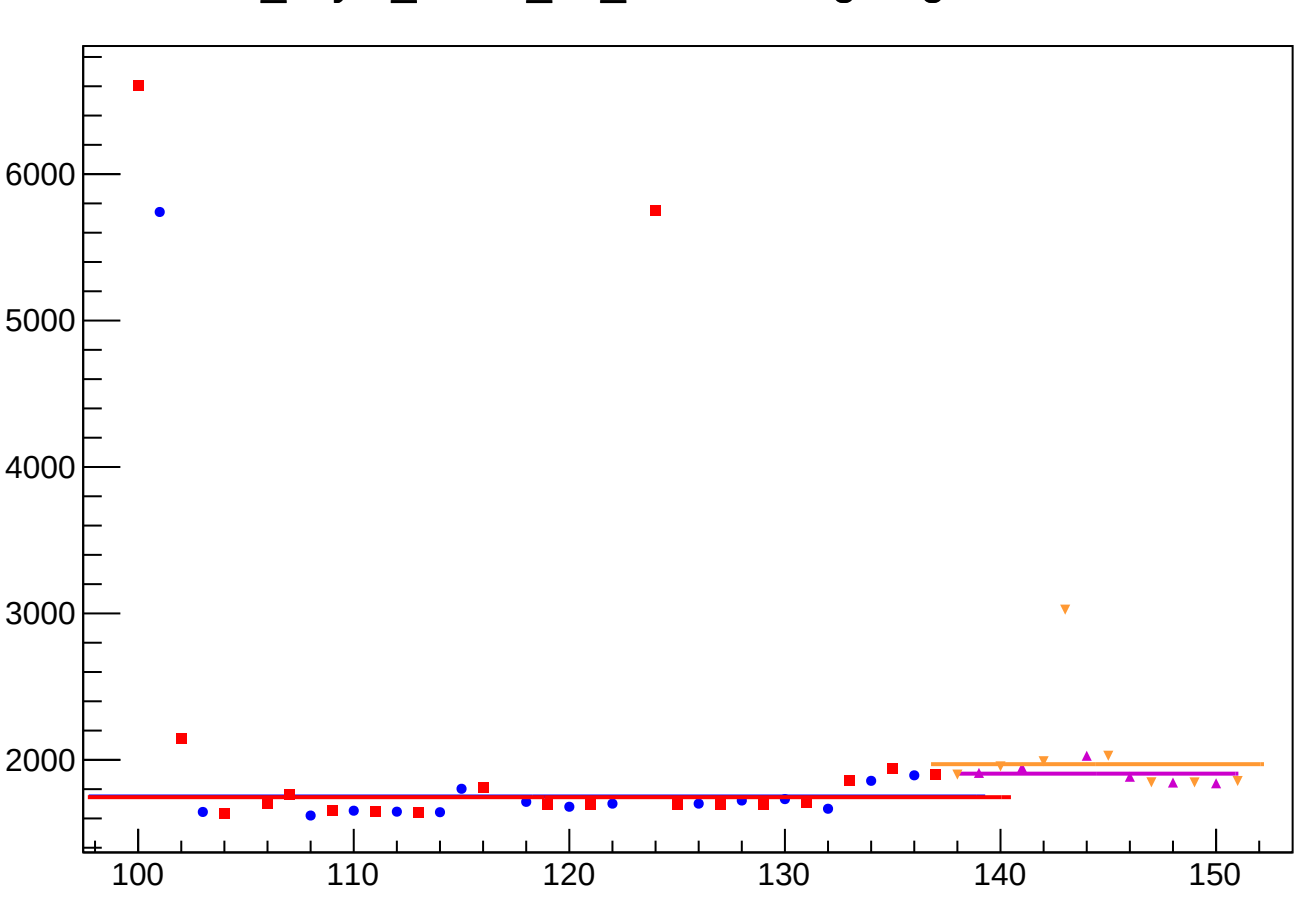
Left: 234.763+/-575.630 χ^2/NDF: 16.4/13

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 131.556+/-520.062 χ^2/NDF:25.3/21

Out: 176.009+/-506.556 χ^2/NDF:17.7/26

All: 154.367+/-362.870 χ^2/NDF: 43.1/48



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1970.619+/-0.565 χ^2/NDF:223760.3/7

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1905.850+/-0.587 χ^2/NDF:11678.4/5

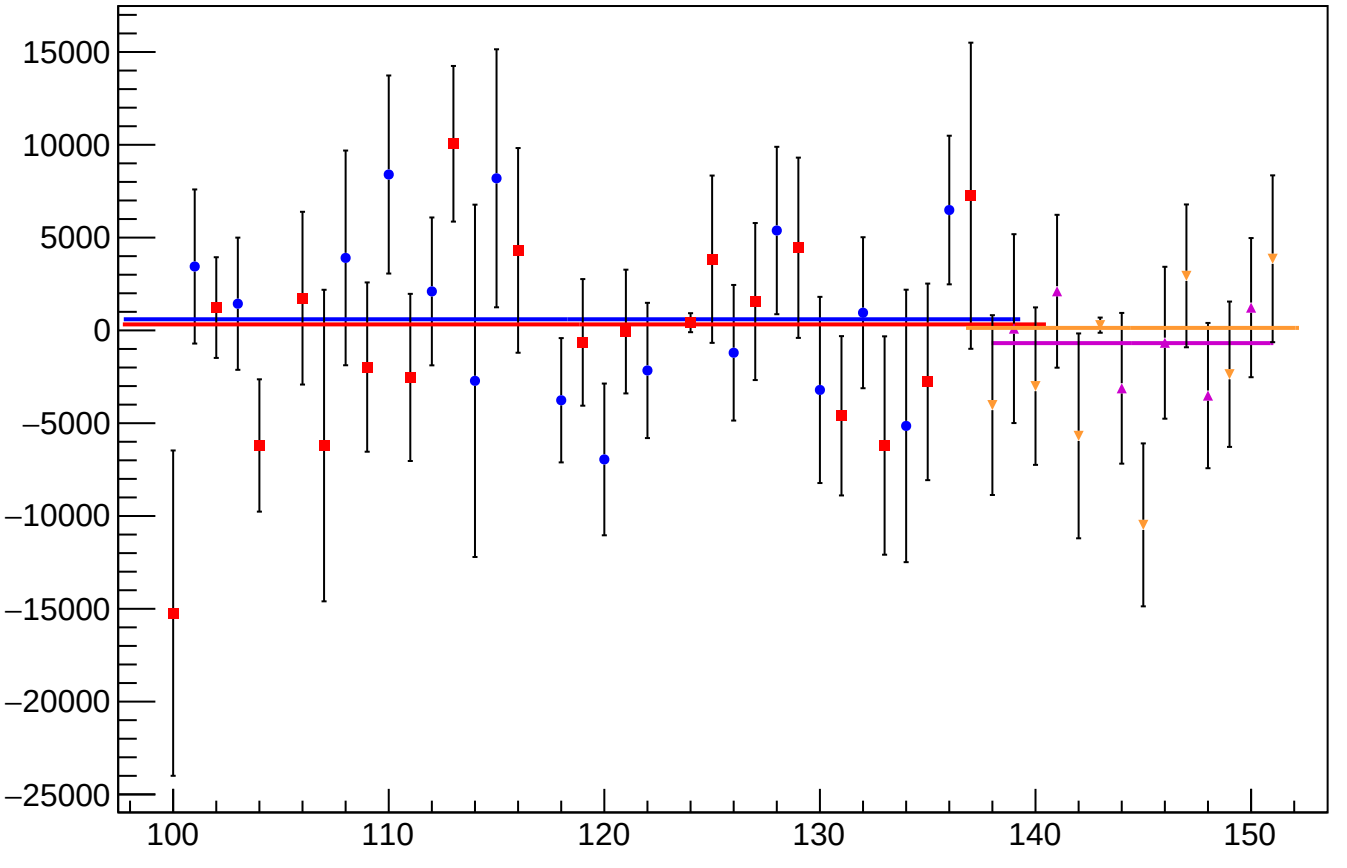
Left: 1939.504+/-0.407 χ^2/NDF: 241759.1/13

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1811.029+/-0.368 χ^2/NDF:724141.6/21

Out: 1835.493+/-0.357 χ^2/NDF:617276.1/26

All: 1823.610+/-0.256 χ^2/NDF: 1343693.7/48



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 134.464+/-397.173 χ^2/NDF:10.0/7

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -685.326+/-1679.860 χ^2/NDF:1.6/5

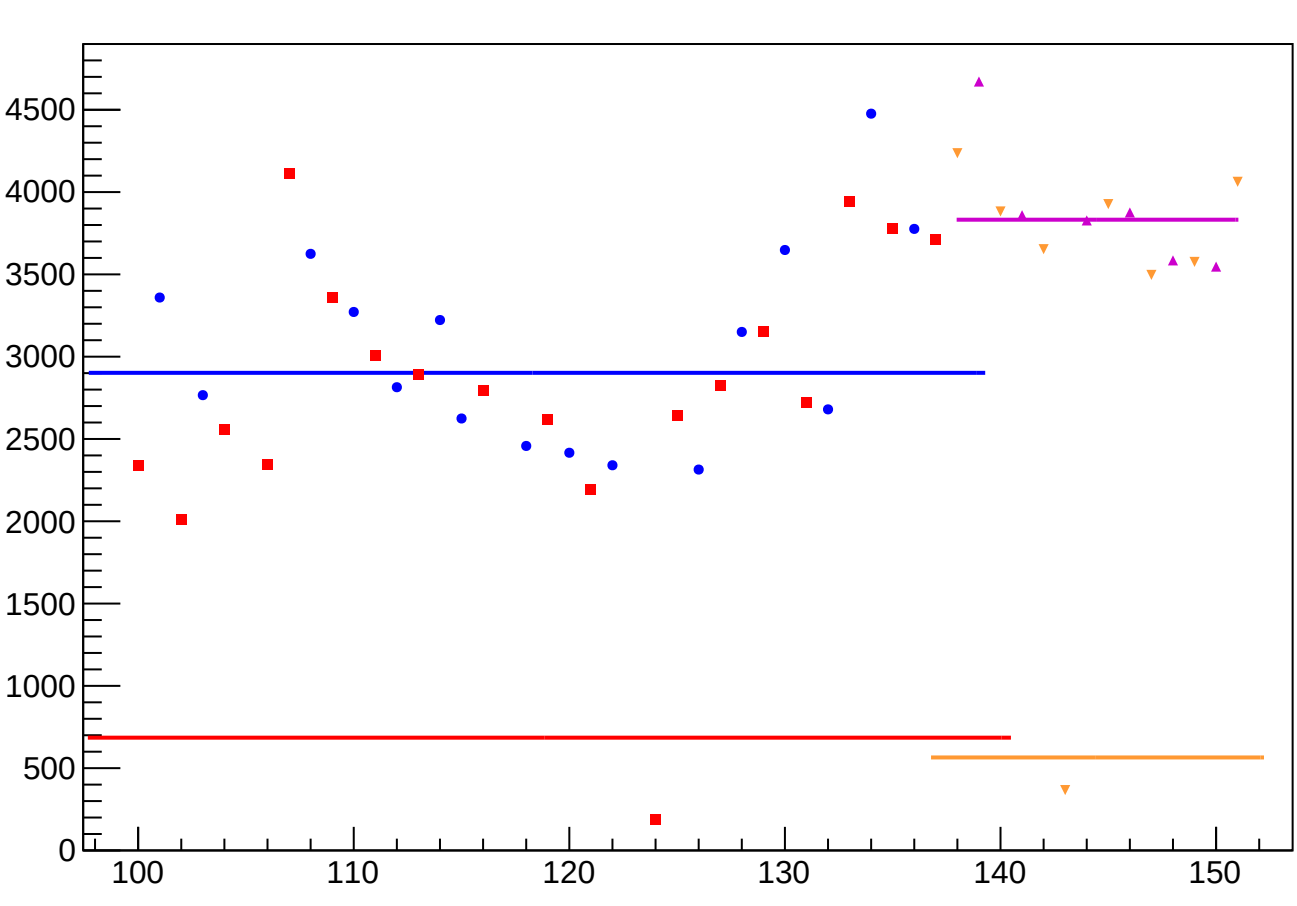
Left: 91.064+/-386.517 χ^2/NDF: 11.8/13

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 214.348+/-920.331 χ^2/NDF:16.9/21

Out: 215.286+/-300.304 χ^2/NDF:29.1/26

All: 215.195+/-285.490 χ^2/NDF: 46.0/48



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 565.034+/-0.281 χ^2/NDF:8195274.7/7

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3832.196+/-1.188 χ^2/NDF:74288.6/5

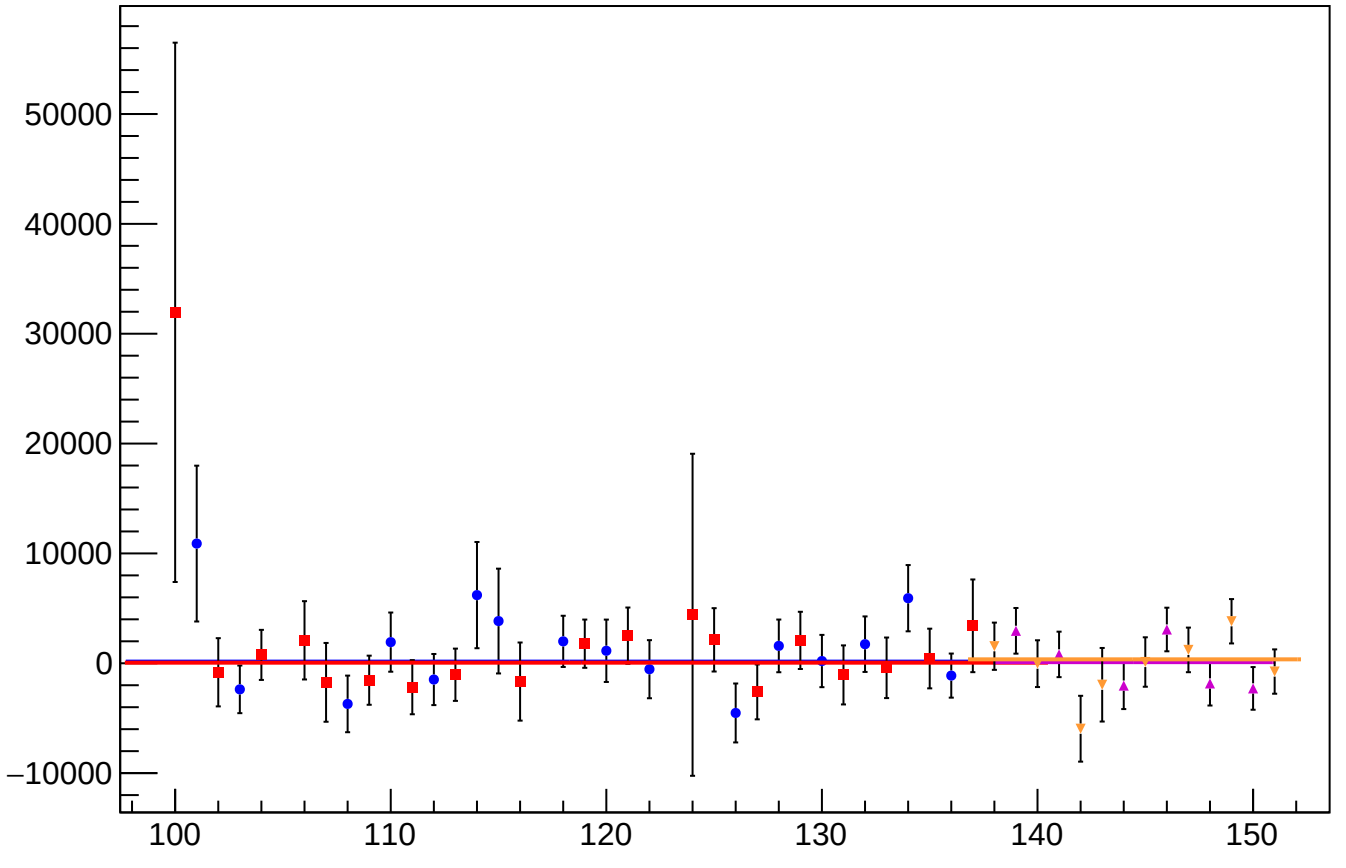
Left: 738.000+/-0.273 χ^2/NDF: 15434336.7/13

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3181.104+/-0.651 χ^2/NDF:984528.2/21

Out: 616.527+/-0.212 χ^2/NDF:18379559.1/26

All: 863.306+/-0.202 χ^2/NDF: 33399766.0/48



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 356.979+/-798.554 χ^2/NDF:8.7/7

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 102.569+/-830.515 χ^2/NDF:7.7/5

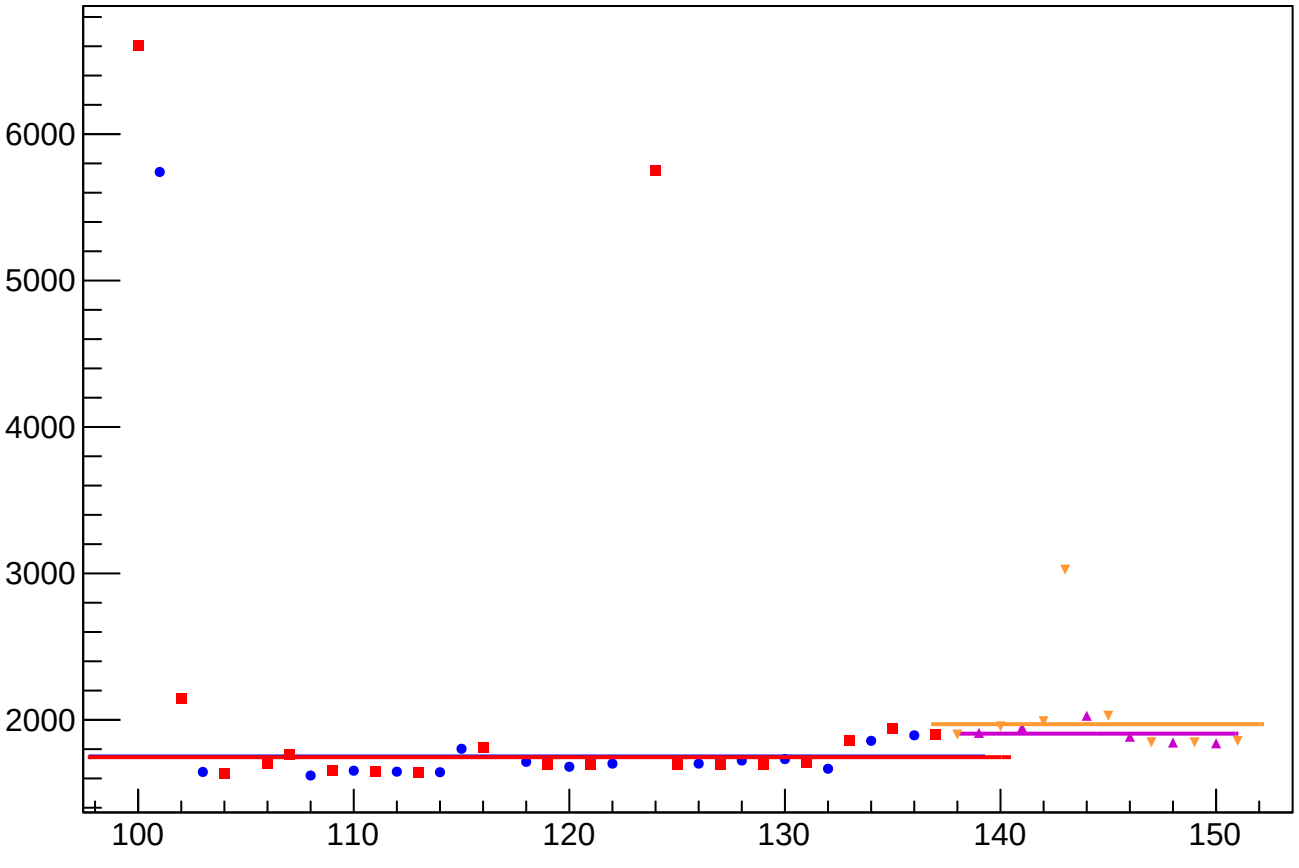
Left: 234.763+/-575.630 χ^2/NDF: 16.4/13

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 131.556+/-520.062 χ^2/NDF:25.3/21

Out: 176.009+/-506.556 χ^2/NDF:17.7/26

All: 154.367+/-362.870 χ^2/NDF: 43.1/48



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1970.619+/-0.565 χ^2/NDF:223760.3/7

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1905.850+/-0.587 χ^2/NDF:11678.4/5

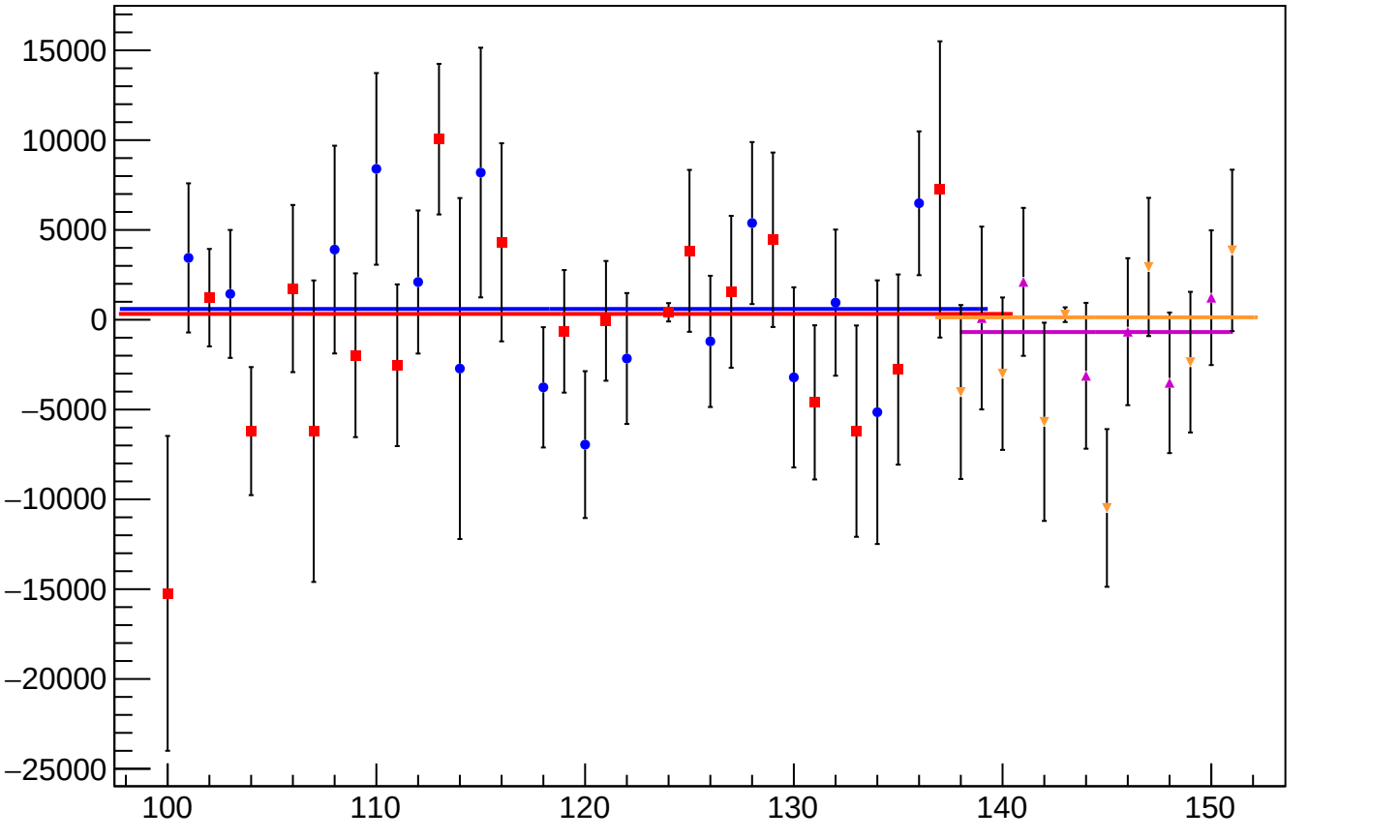
Left: 1939.504+/-0.407 χ^2/NDF: 241759.1/13

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1811.029+/-0.368 χ^2/NDF:724141.6/21

Out: 1835.493+/-0.357 χ^2/NDF:617276.1/26

All: 1823.610+/-0.256 χ^2/NDF: 1343693.7/48



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 134.464+/-397.173 χ^2/NDF:10.0/7

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -685.326+/-1679.860 χ^2/NDF:1.6/5

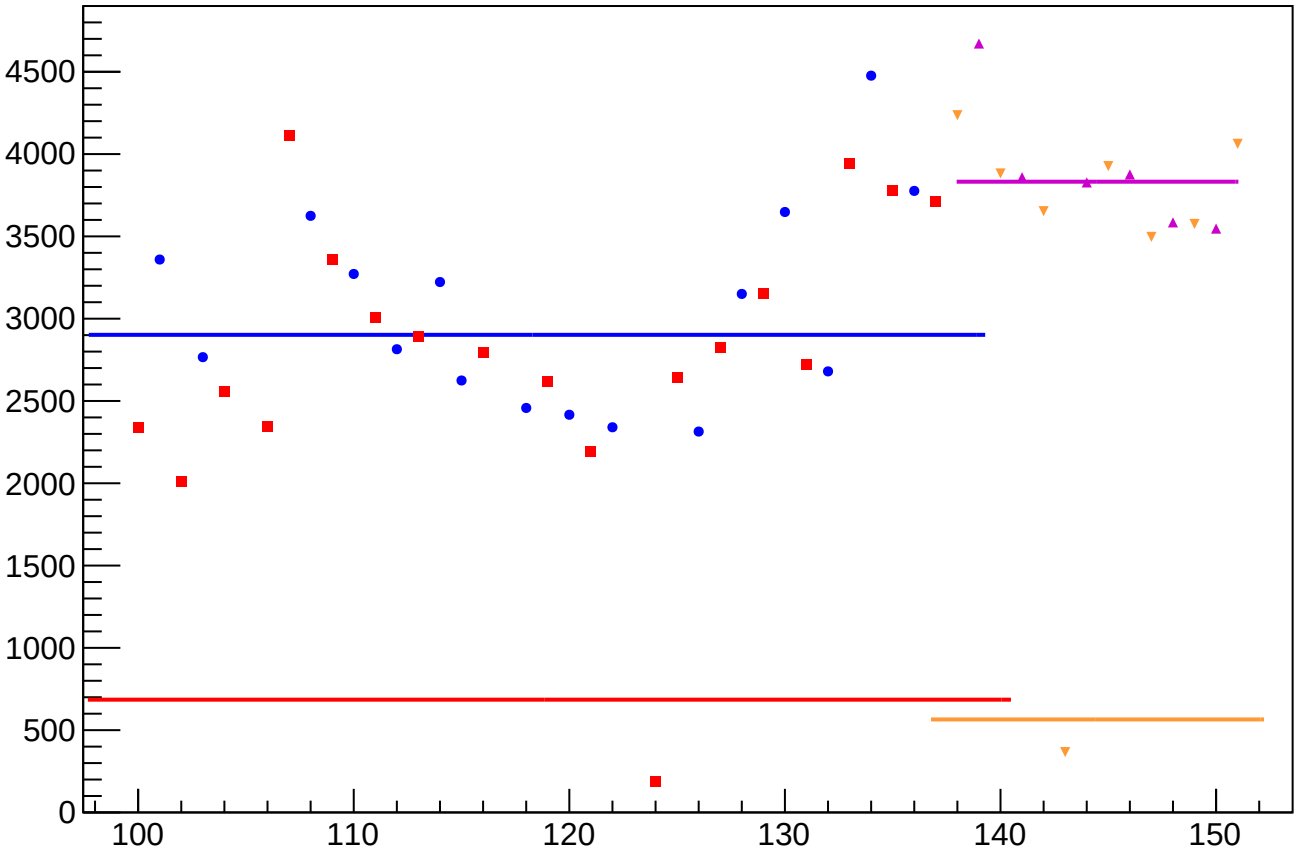
Left: 91.064+/-386.517 χ^2/NDF: 11.8/13

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 214.348+/-920.331 χ^2/NDF:16.9/21

Out: 215.286+/-300.304 χ^2/NDF:29.1/26

All: 215.195+/-285.490 χ^2/NDF: 46.0/48



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 565.034+/-0.281 χ^2/NDF:8195274.7/7

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3832.196+/-1.188 χ^2/NDF:74288.6/5

Left: 738.000+/-0.273 χ^2/NDF: 15434336.7/13

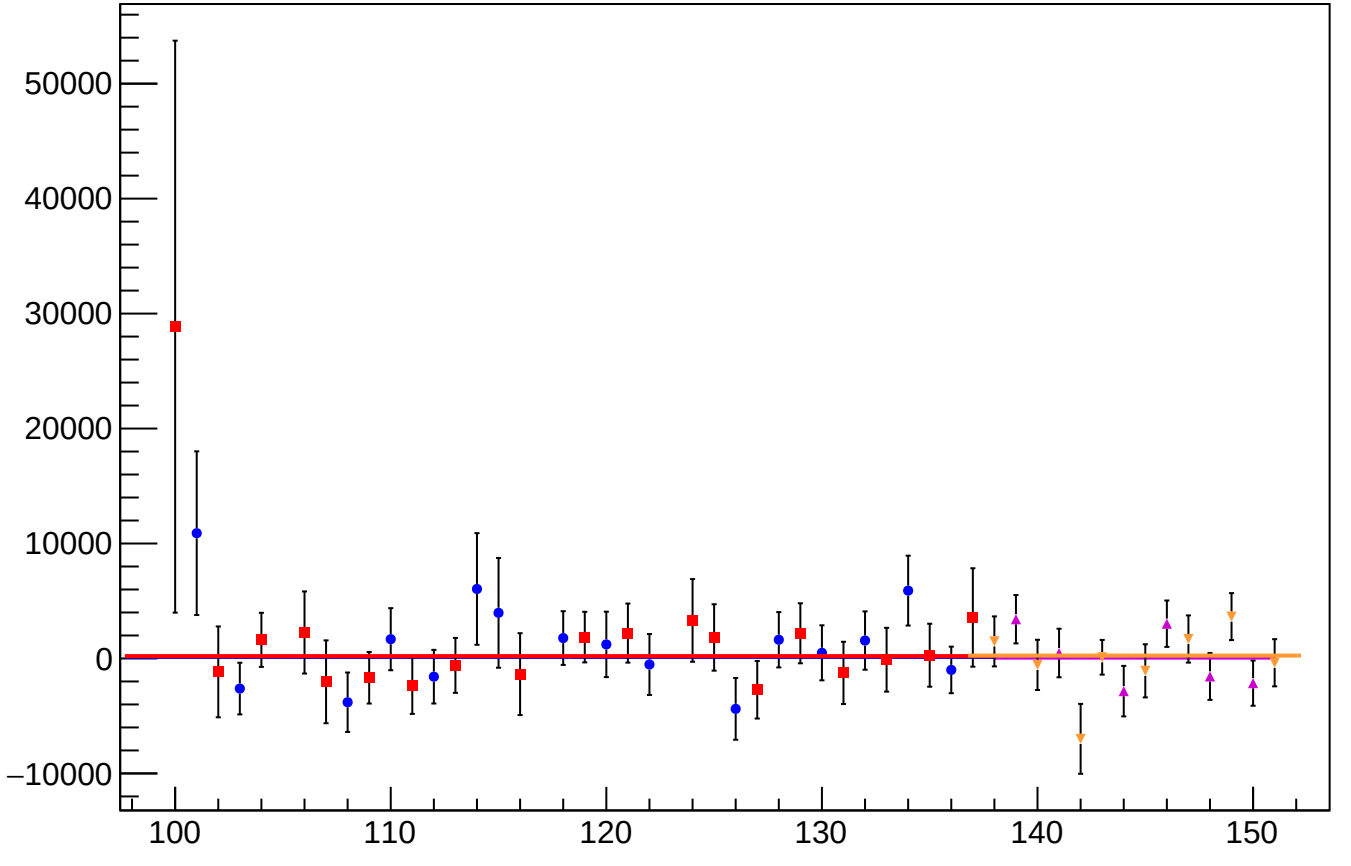
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3181.104+/-0.651 χ^2/NDF:984528.2/21

Out: 616.527+/-0.212 χ^2/NDF:18379559.1/26

All: 863.306+/-0.202 χ^2/NDF: 33399766.0/48

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 251.465+/-731.351 χ^2/NDF:9.8/7

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 73.152+/-844.414 χ^2/NDF:8.4/5

Left: 175.037+/-552.828 χ^2/NDF: 18.2/13

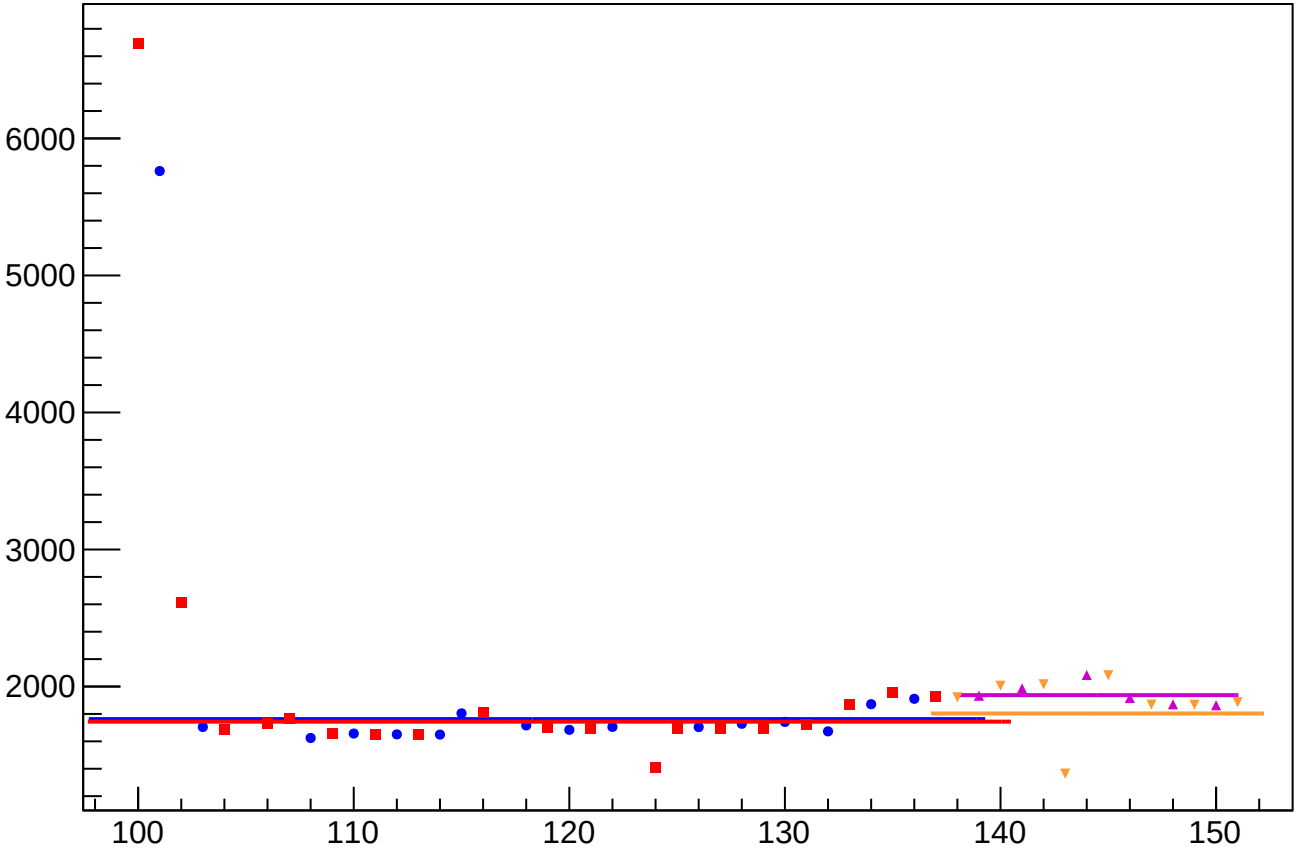
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 110.323+/-525.633 χ^2/NDF:25.7/21

Out: 225.897+/-487.693 χ^2/NDF:19.5/26

All: 172.431+/-357.512 χ^2/NDF: 45.2/48

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1803.436+/-0.517 χ^2/NDF:238244.5/7

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1937.309+/-0.597 χ^2/NDF:15254.0/5

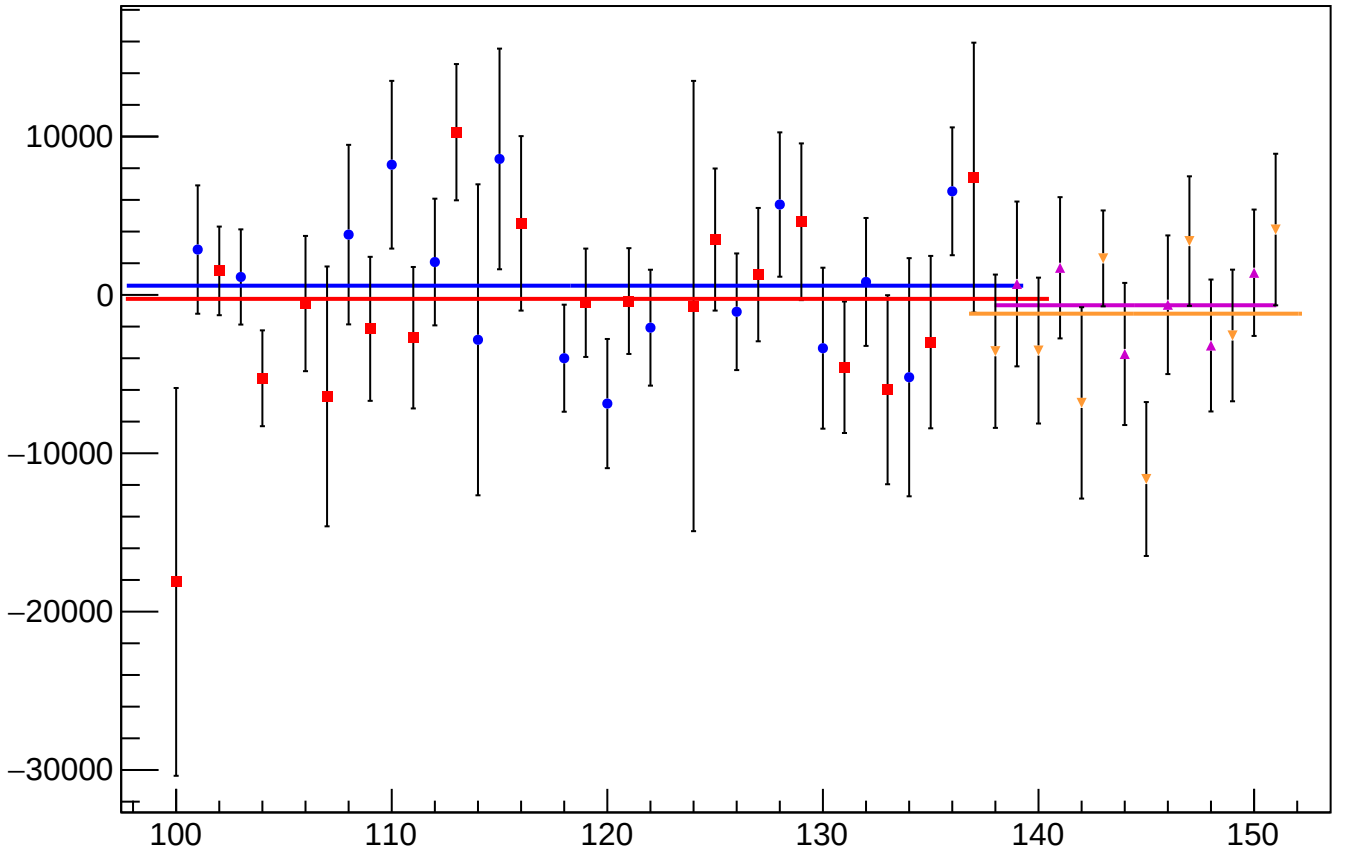
Left: 1860.816+/-0.391 χ^2/NDF: 282221.4/13

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1829.961+/-0.372 χ^2/NDF:735720.4/21

Out: 1770.191+/-0.344 χ^2/NDF:473429.5/26

All: 1797.794+/-0.253 χ^2/NDF: 1223067.6/48



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -1185.216+/-1524.940 χ^2/NDF:9.9/7

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -653.372+/-1797.549 χ^2/NDF:1.5/5

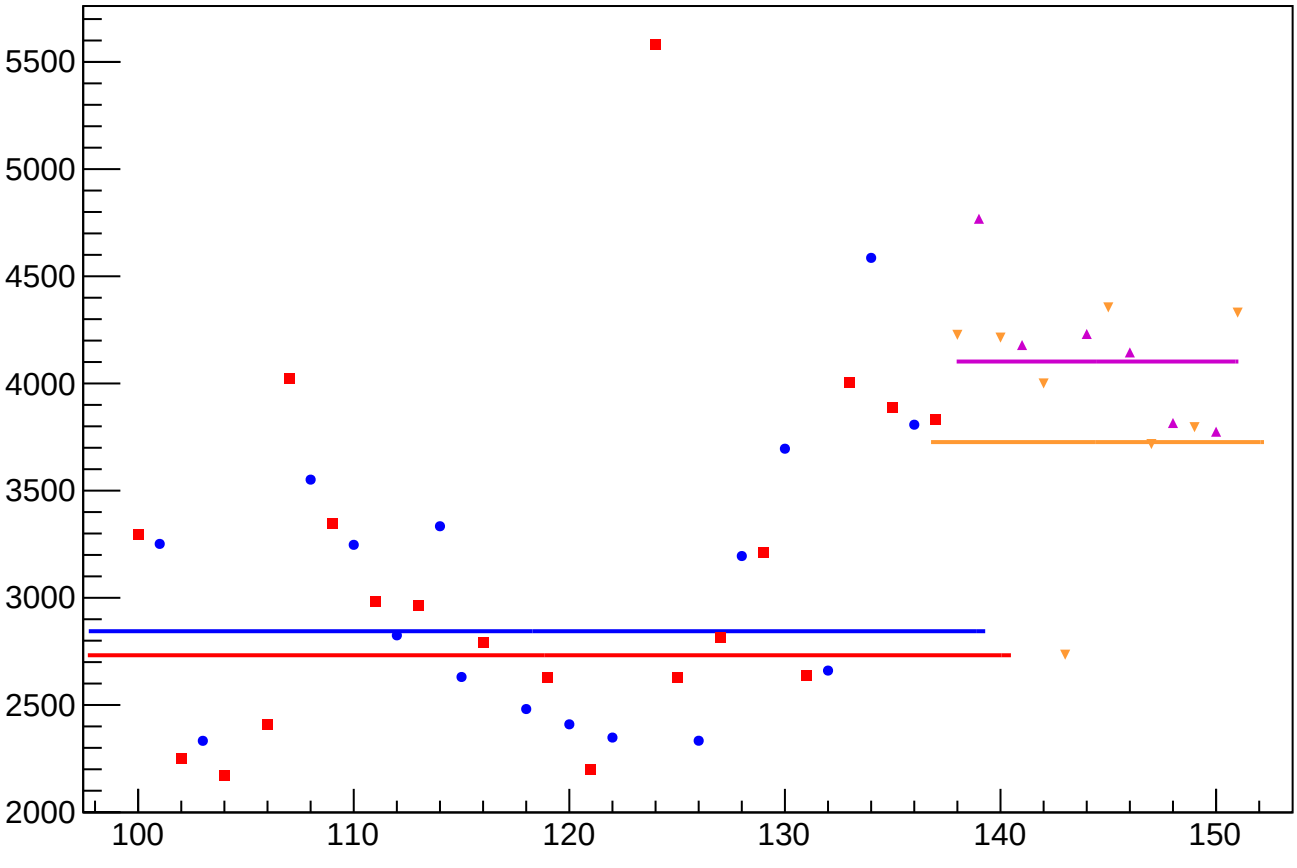
Left: -962.640+/-1162.861 χ^2/NDF: 11.4/13

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 253.838+/-926.690 χ^2/NDF:16.7/21

Out: -539.632+/-848.406 χ^2/NDF:28.1/26

All: -177.822+/-625.762 χ^2/NDF: 45.2/48



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3726.499+/-1.078 χ^2/NDF:328486.0/7

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4102.315+/-1.271 χ^2/NDF:58143.3/5

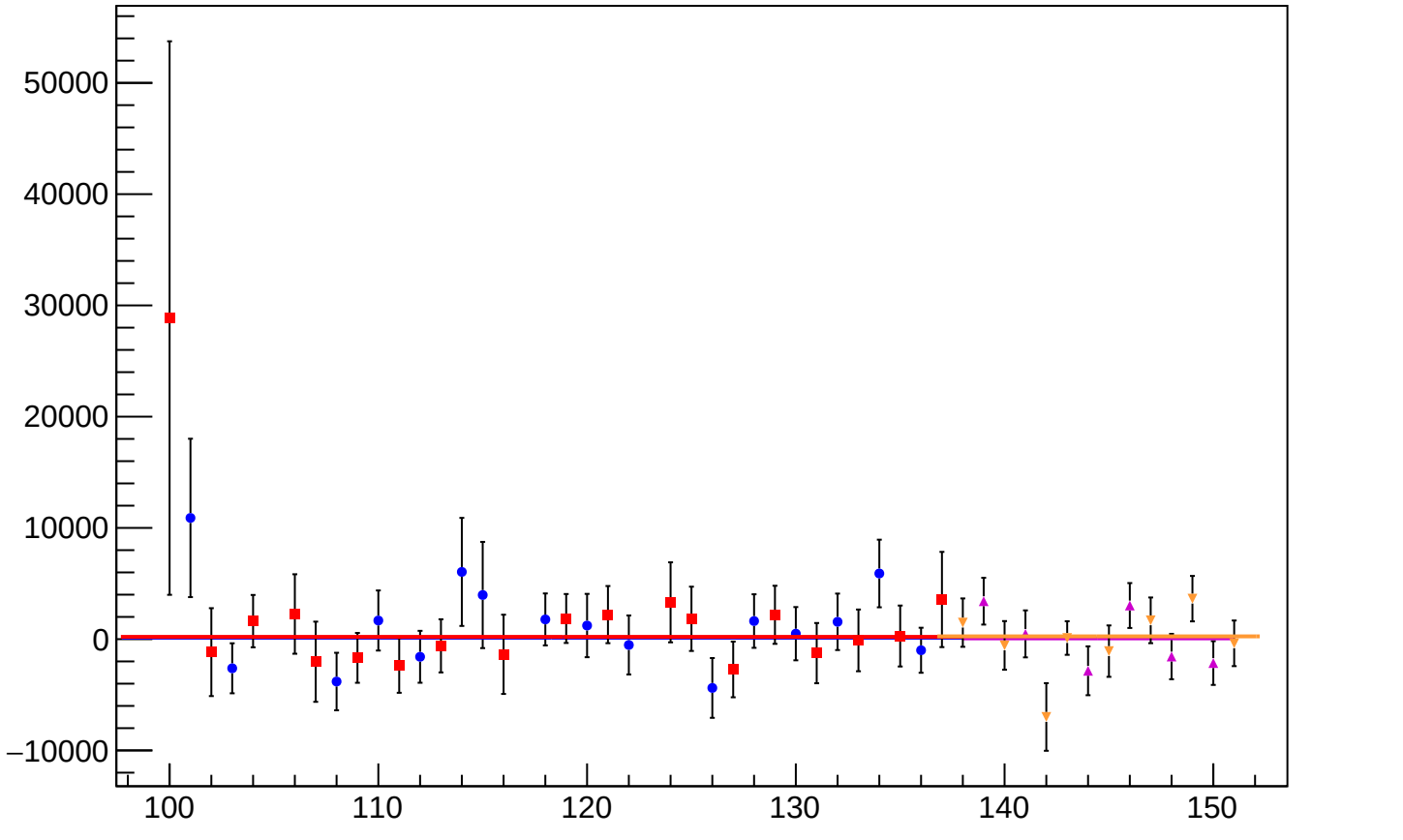
Left: 3883.778+/-0.822 χ^2/NDF: 437465.1/13

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3178.536+/-0.655 χ^2/NDF:1319581.0/21

Out: 3039.811+/-0.600 χ^2/NDF:1527112.2/26

All: 3103.067+/-0.442 χ^2/NDF: 2871075.8/48



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 251.459+/-731.351 χ^2/NDF:9.8/7

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 73.148+/-844.414 χ^2/NDF:8.4/5

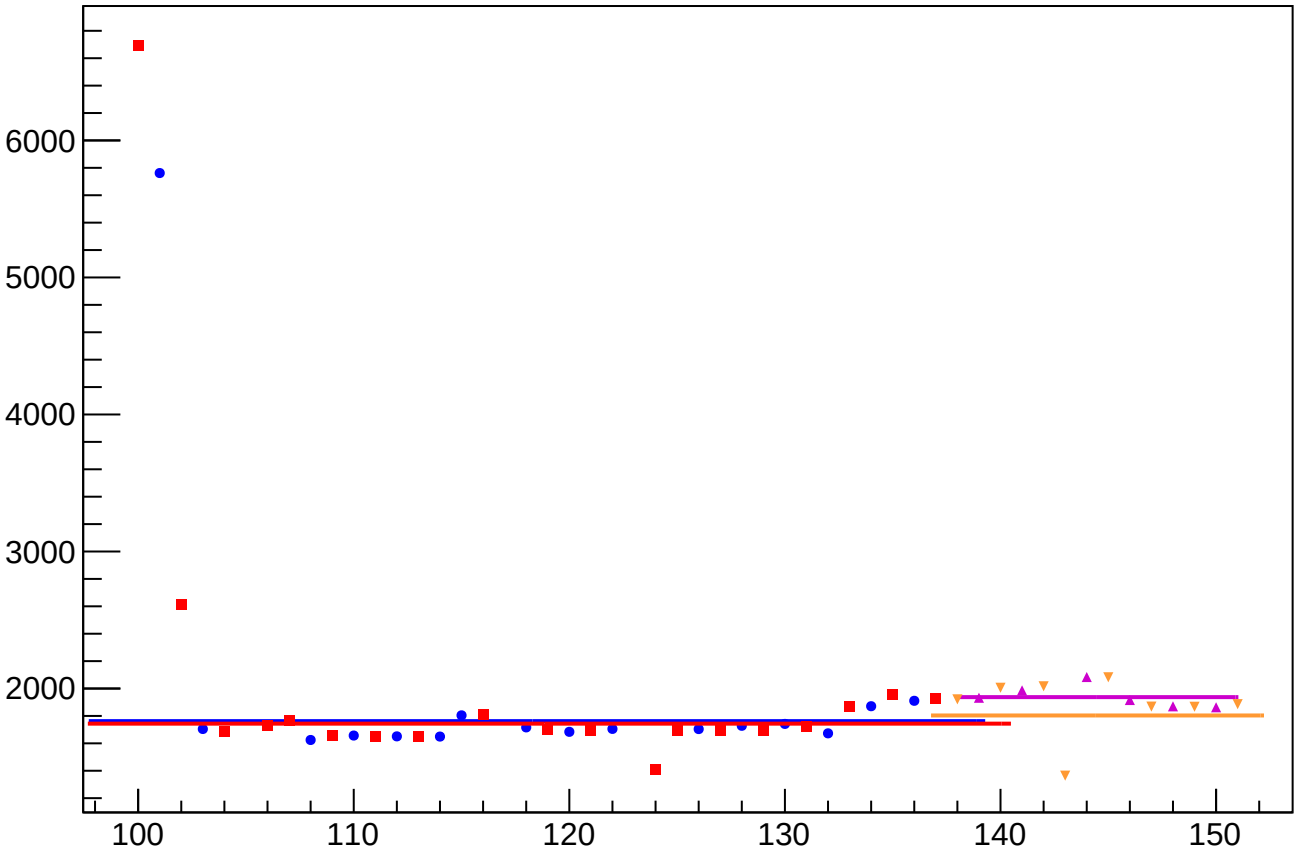
Left: 175.032+/-552.828 χ^2/NDF: 18.2/13

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 110.321+/-525.633 χ^2/NDF:25.7/21

Out: 225.894+/-487.693 χ^2/NDF:19.5/26

All: 172.428+/-357.512 χ^2/NDF: 45.2/48



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1803.437+/-0.517 χ^2/NDF:238245.4/7

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1937.309+/-0.597 χ^2/NDF:15254.2/5

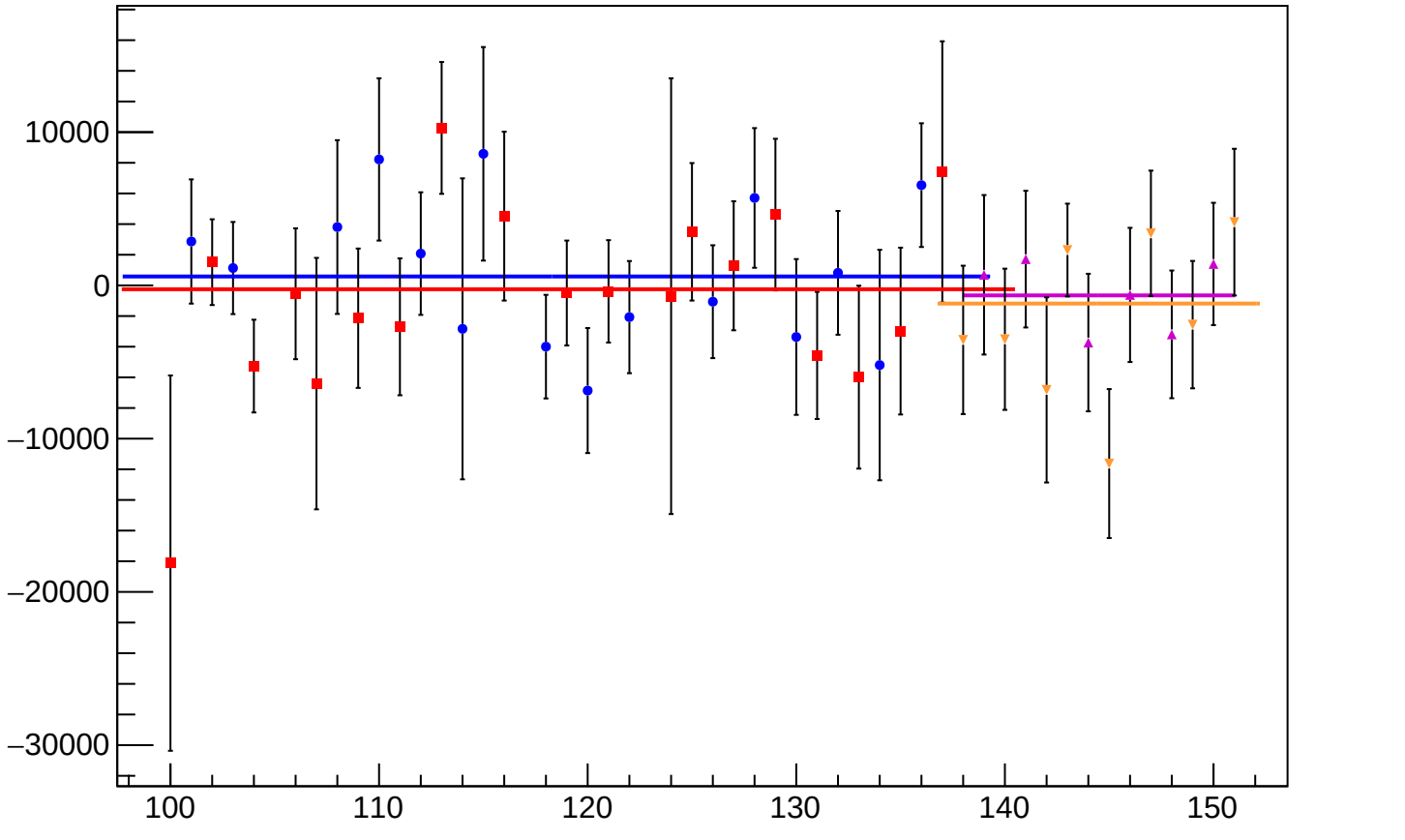
Left: 1860.817+/-0.391 χ^2/NDF: 282222.6/13

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1829.961+/-0.372 χ^2/NDF:735721.0/21

Out: 1770.191+/-0.344 χ^2/NDF:473430.5/26

All: 1797.794+/-0.253 χ^2/NDF: 1223069.2/48



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -1185.213+/-1524.942 χ^2/NDF:9.9/7

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -653.373+/-1797.551 χ^2/NDF:1.5/5

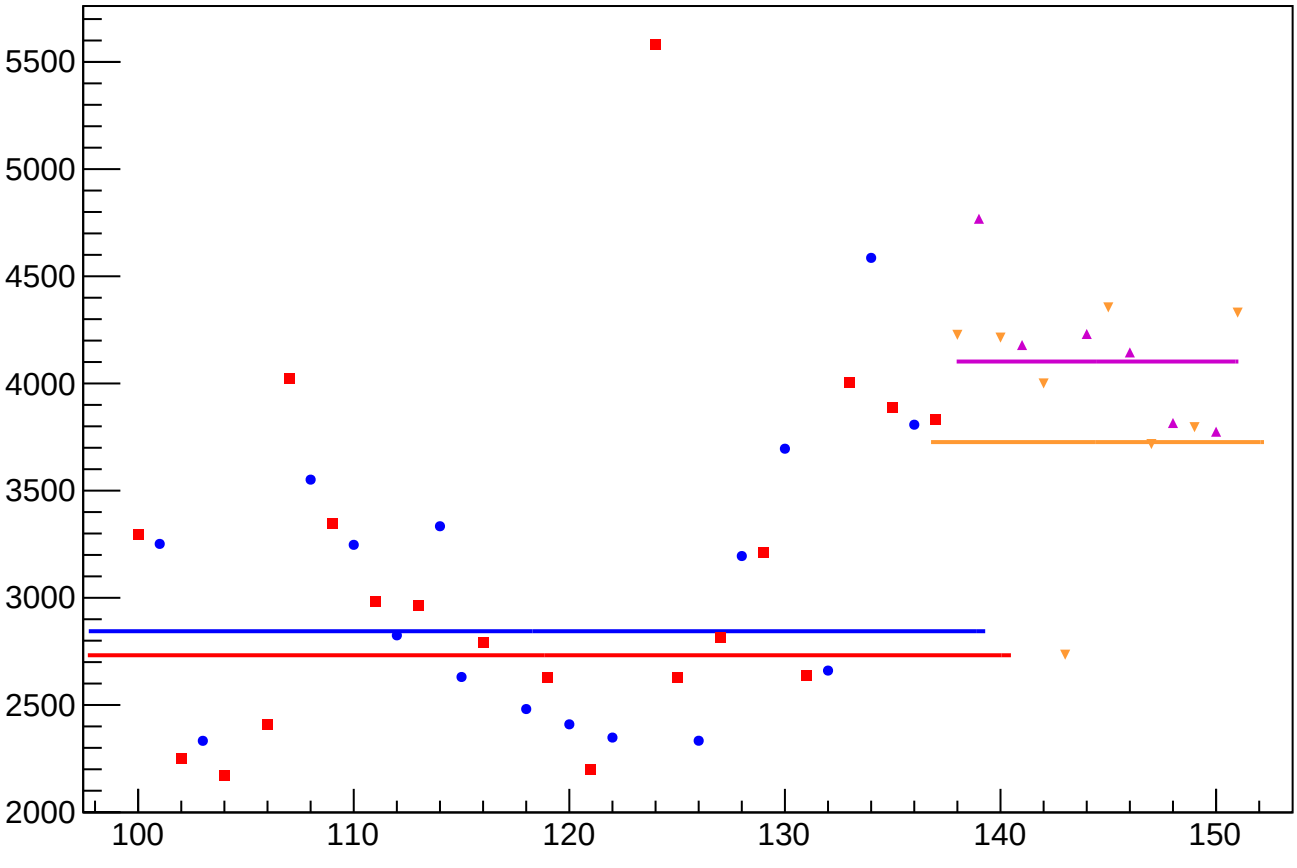
Left: -962.639+/-1162.863 χ^2/NDF: 11.4/13

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 253.836+/-926.689 χ^2/NDF:16.7/21

Out: -539.630+/-848.405 χ^2/NDF:28.1/26

All: -177.822+/-625.762 χ^2/NDF: 45.2/48



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3726.502+/-1.078 χ^2/NDF:328489.4/7

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4102.320+/-1.271 χ^2/NDF:58145.3/5

Left: 3883.782+/-0.822 χ^2/NDF: 437470.8/13

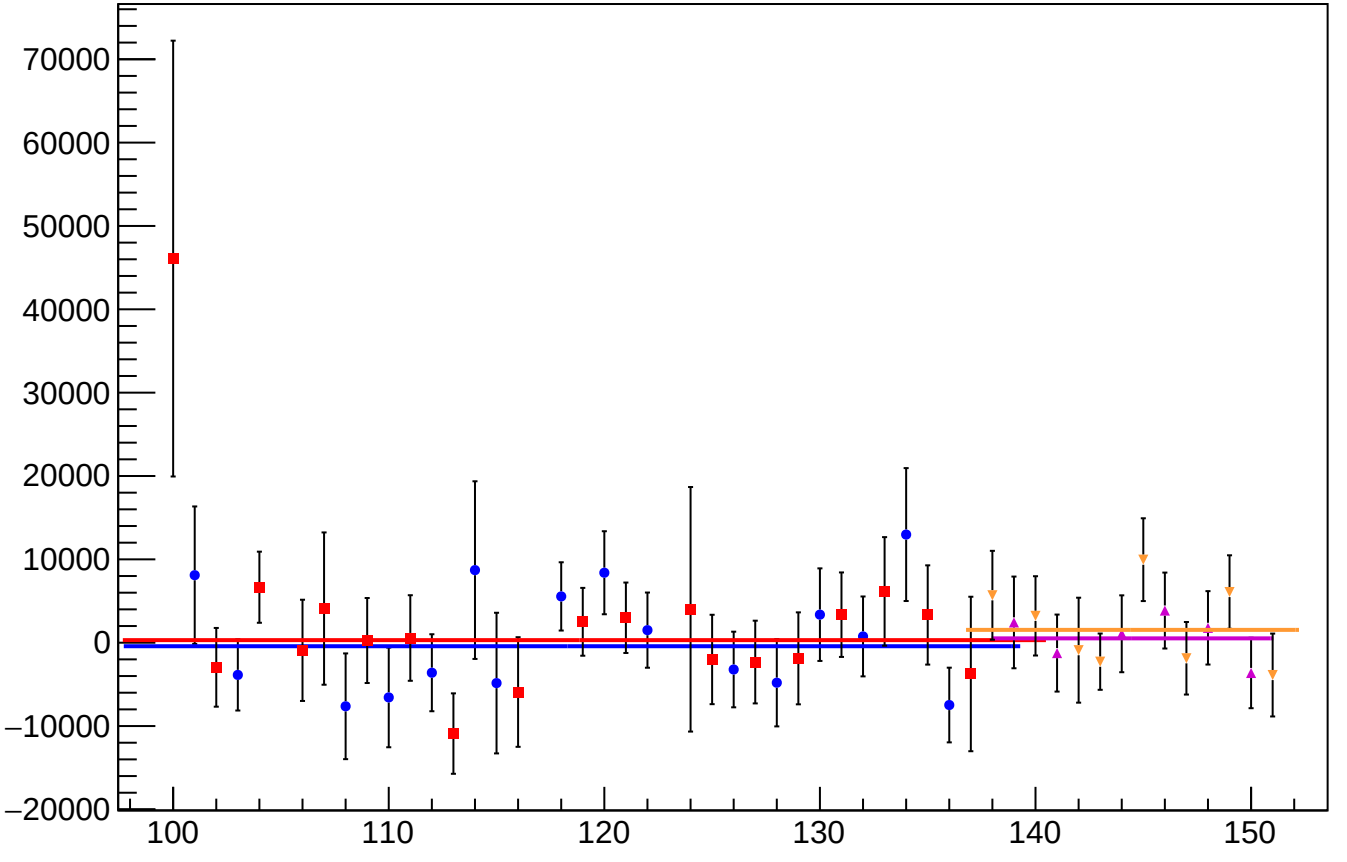
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3178.530+/-0.655 χ^2/NDF:1319600.7/21

Out: 3039.807+/-0.600 χ^2/NDF:1527123.7/26

All: 3103.062+/-0.442 χ^2/NDF: 2871106.4/48

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1538.778+/-1627.390 χ^2/NDF:7.9/7

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 519.788+/-1880.967 χ^2/NDF:1.9/5

Left: 1102.550+/-1230.701 χ^2/NDF: 9.9/13

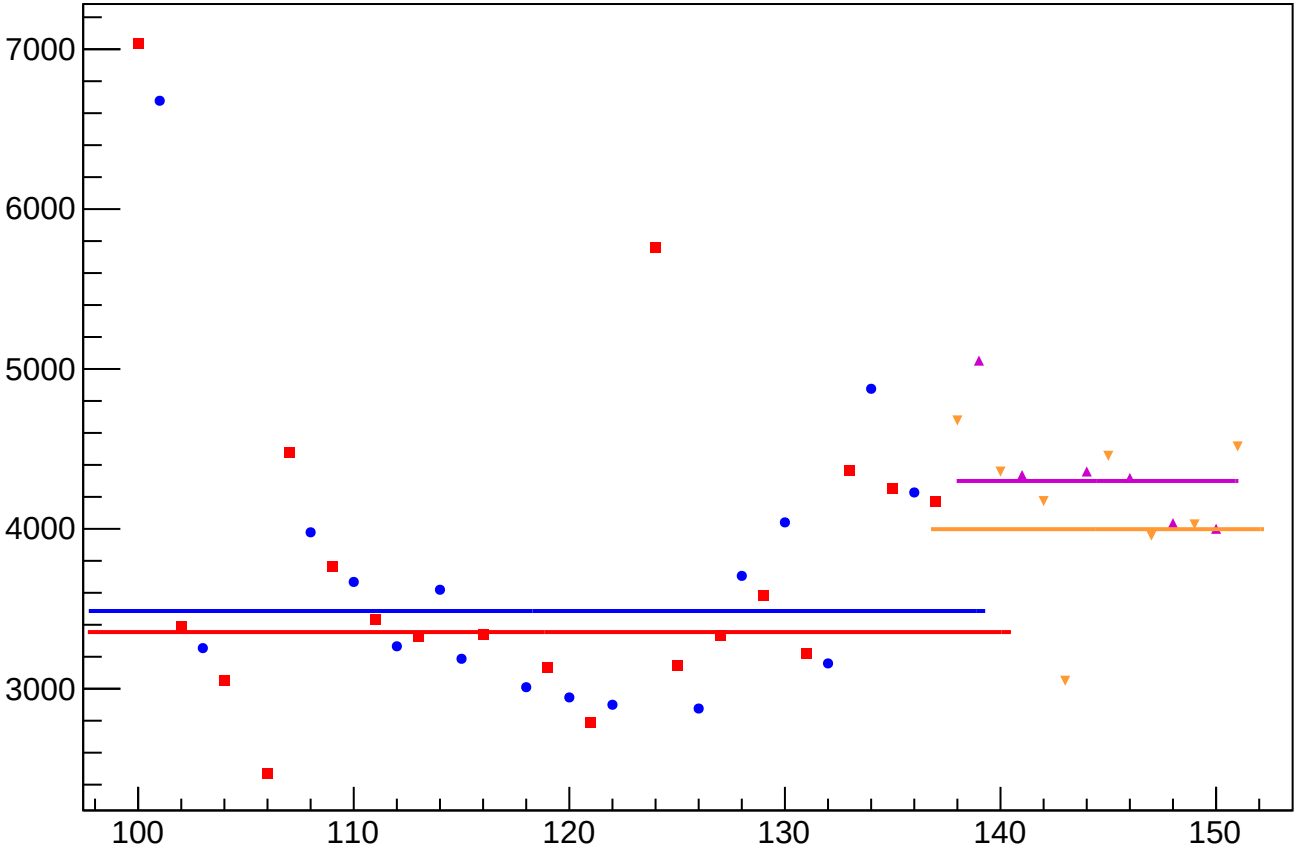
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -109.703+/-1084.458 χ^2/NDF:19.9/21

Out: 776.343+/-1004.003 χ^2/NDF:23.5/26

All: 367.404+/-736.740 χ^2/NDF: 43.8/48

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 3997.941+/-1.151 χ^2/NDF:242347.5/7

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4299.537+/-1.330 χ^2/NDF:55134.9/5

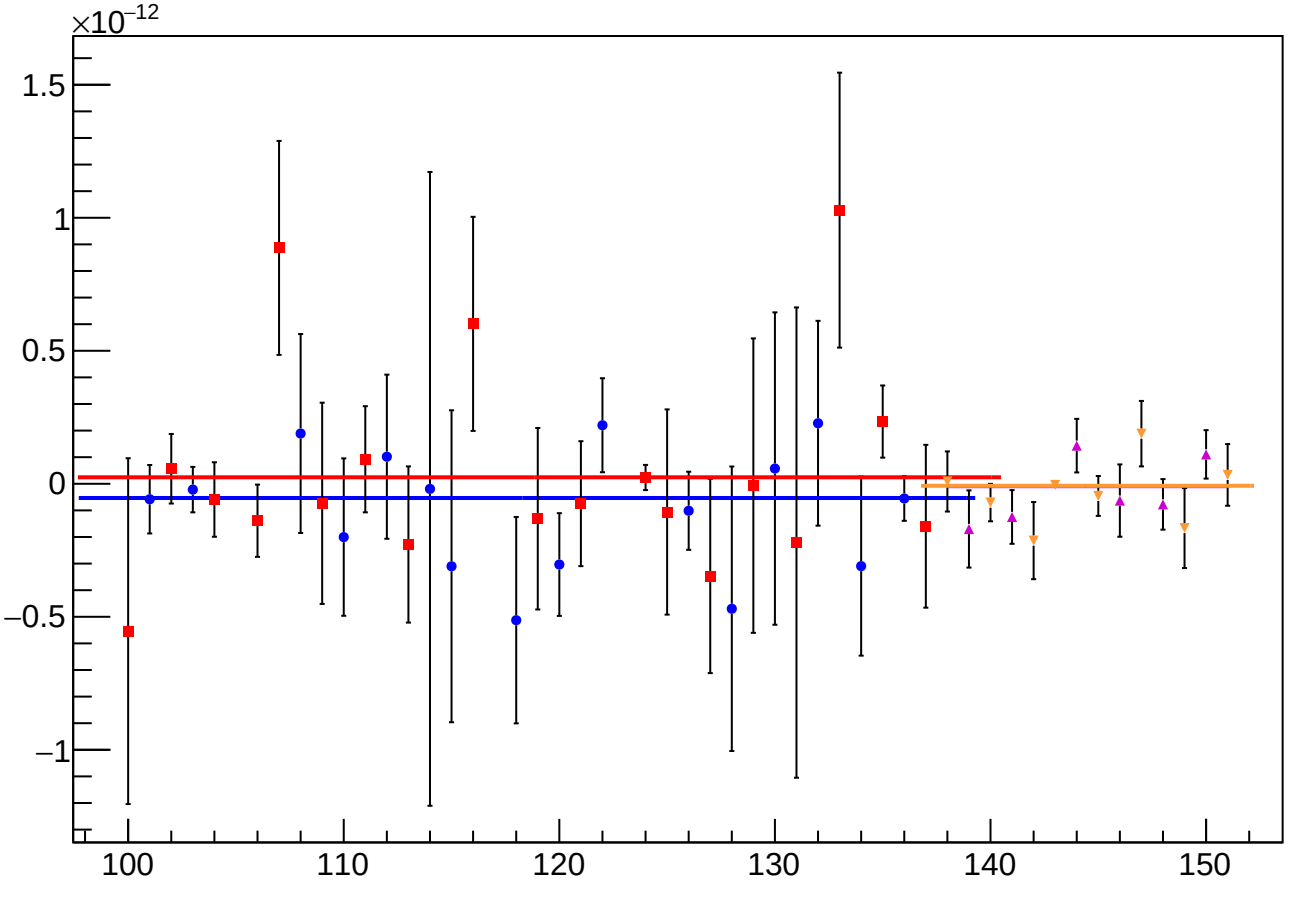
Left: 4127.054+/-0.870 χ^2/NDF: 326888.6/13

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3756.532+/-0.767 χ^2/NDF:900591.8/21

Out: 3595.113+/-0.704 χ^2/NDF:814534.2/26

All: 3668.912+/-0.518 χ^2/NDF: 1739178.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/5

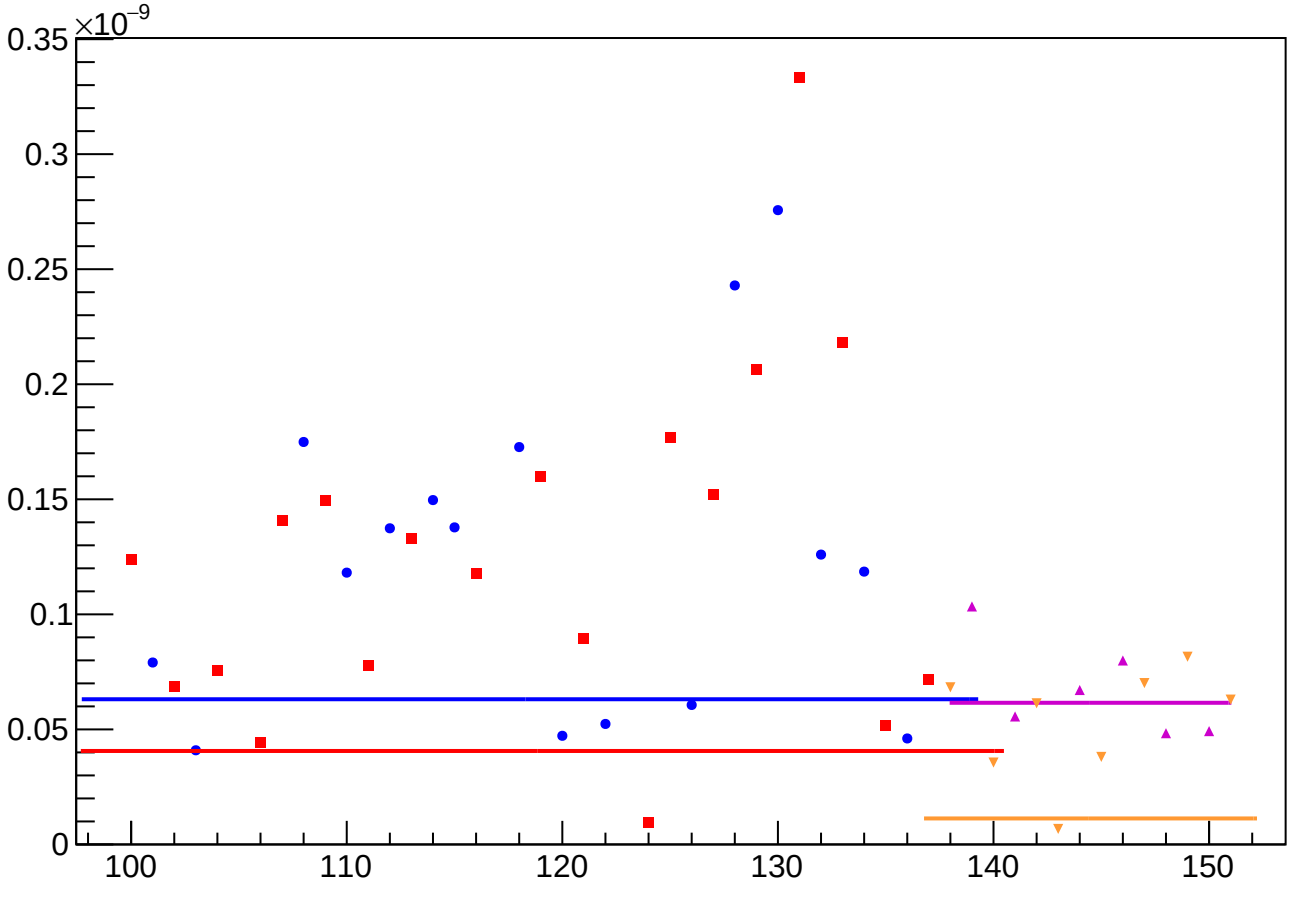
Left: -0.000+/-0.000 χ^2/NDF: 14.2/13

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:16.3/21

Out: -0.000+/-0.000 χ^2/NDF:26.0/26

All: -0.000+/-0.000 χ^2/NDF: 43.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2780337.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:291335.2/5

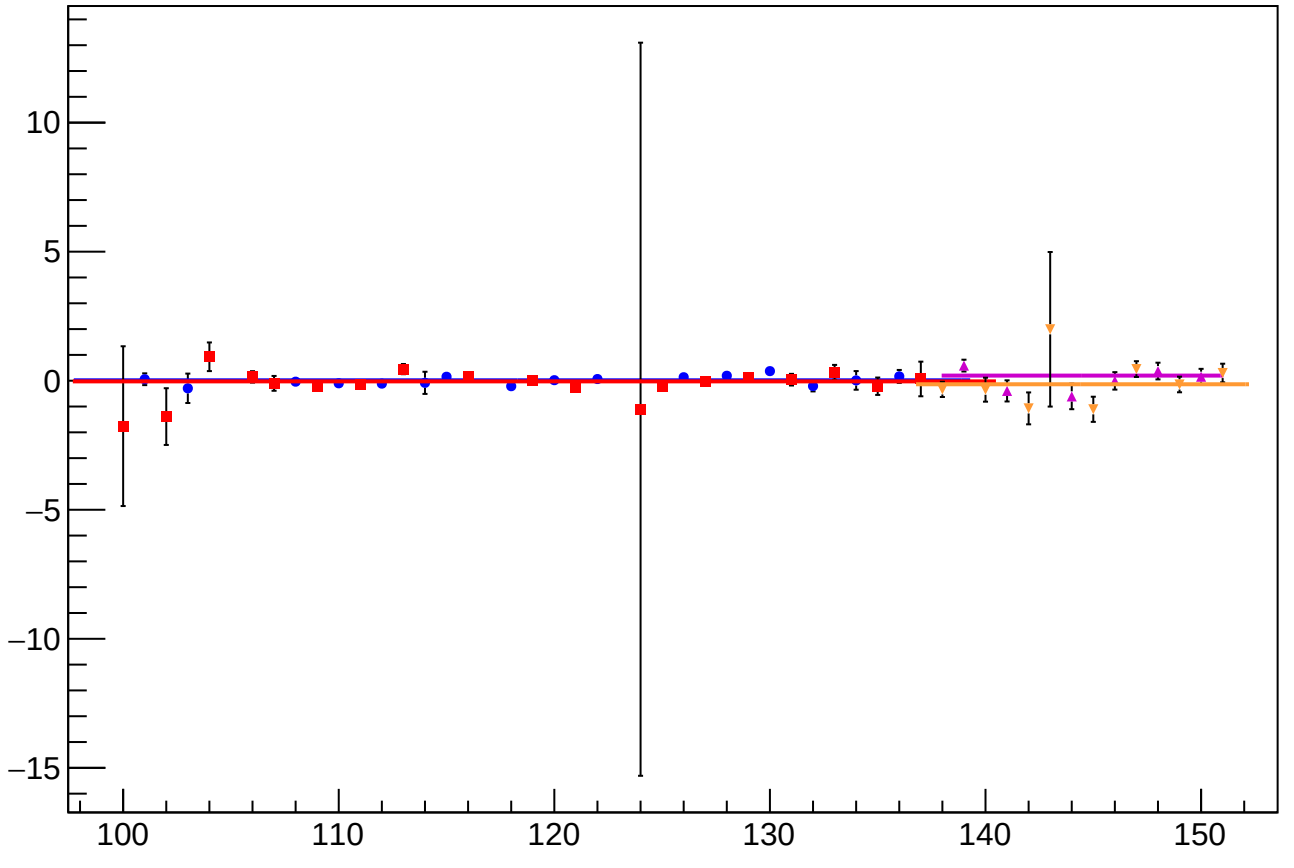
Left: 0.000+/-0.000 χ^2/NDF: 5551105.7/13

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1724575.2/21

Out: 0.000+/-0.000 χ^2/NDF:7158451.0/26

All: 0.000+/-0.000 χ^2/NDF: 13063073.5/48



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.198+/-0.131 χ^2/NDF:8.3/5

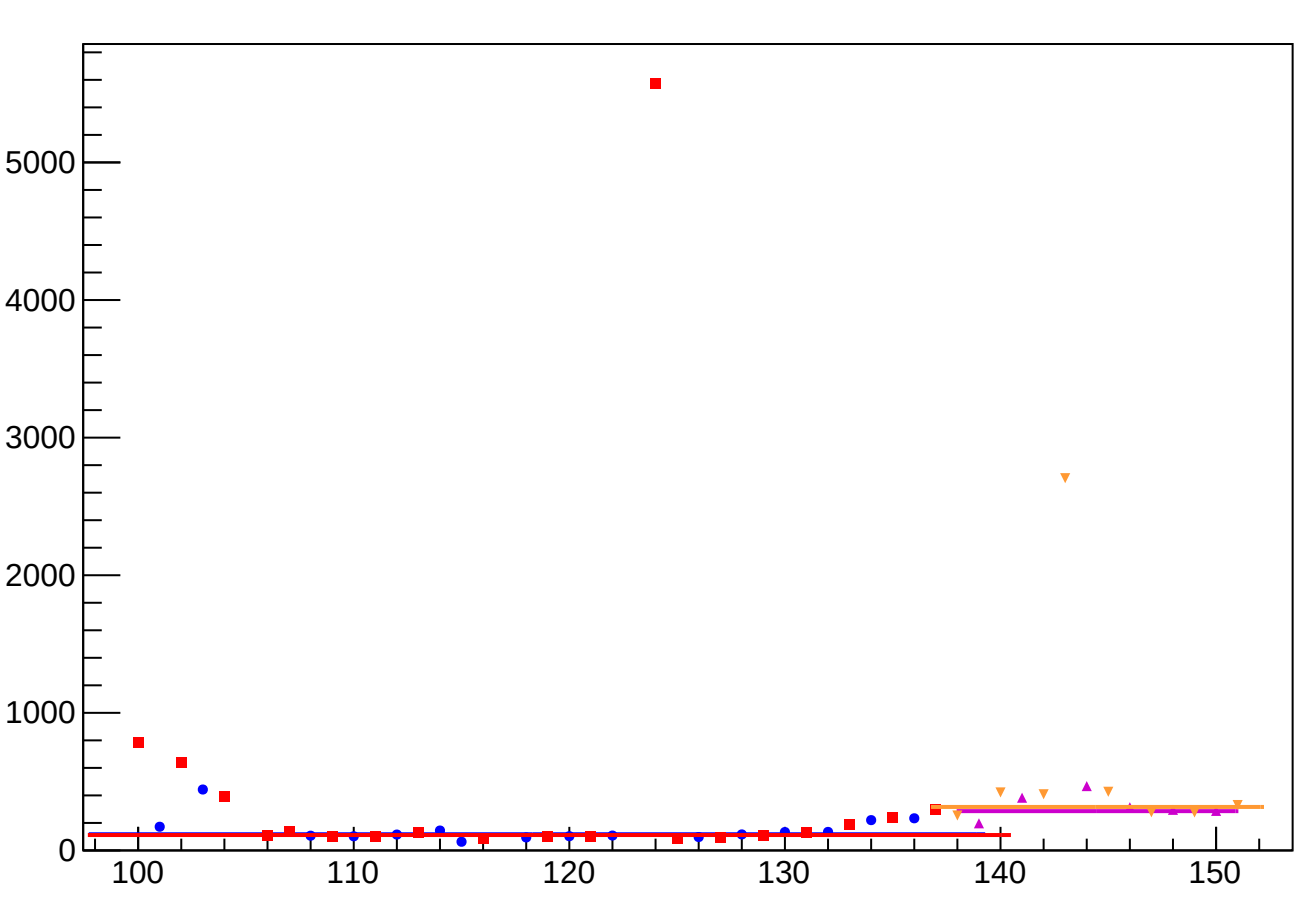
Left: 0.039+/-0.095 χ^2/NDF: 24.0/13

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.037+/-0.045 χ^2/NDF:21.8/21

Out: -0.037+/-0.044 χ^2/NDF:35.2/26

All: -0.001+/-0.032 χ^2/NDF: 58.4/48



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 316.204+/-0.098 χ^2/NDF:1681902.2/7

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 285.666+/-0.093 χ^2/NDF:698049.2/5

Left: 300.129+/-0.067 χ^2/NDF: 2431365.2/13

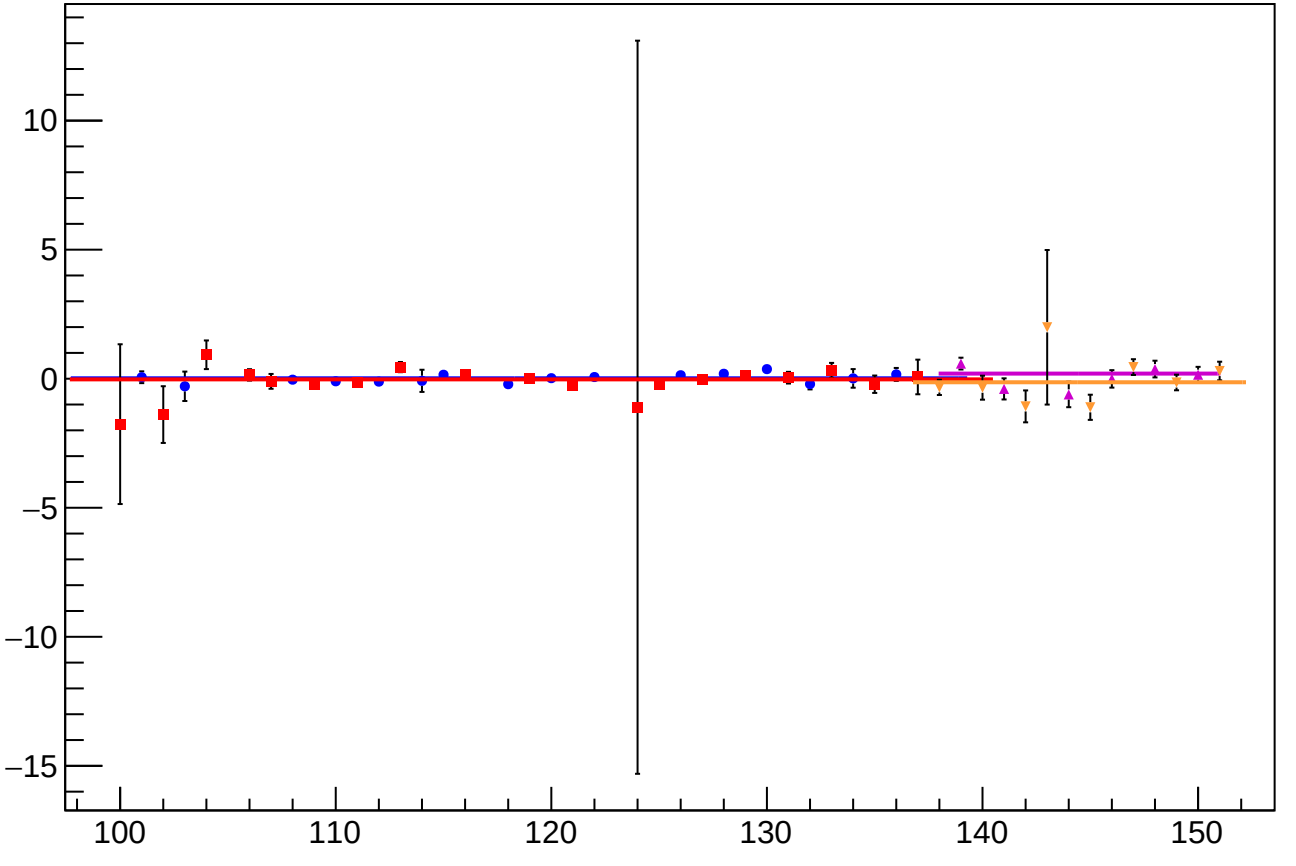
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 137.438+/-0.032 χ^2/NDF:5319390.8/21

Out: 133.157+/-0.031 χ^2/NDF:7780705.8/26

All: 135.267+/-0.022 χ^2/NDF: 13109278.2/48

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: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.198+/-0.131 χ^2/NDF:8.3/5

Left: 0.039+/-0.095 χ^2/NDF: 24.0/13

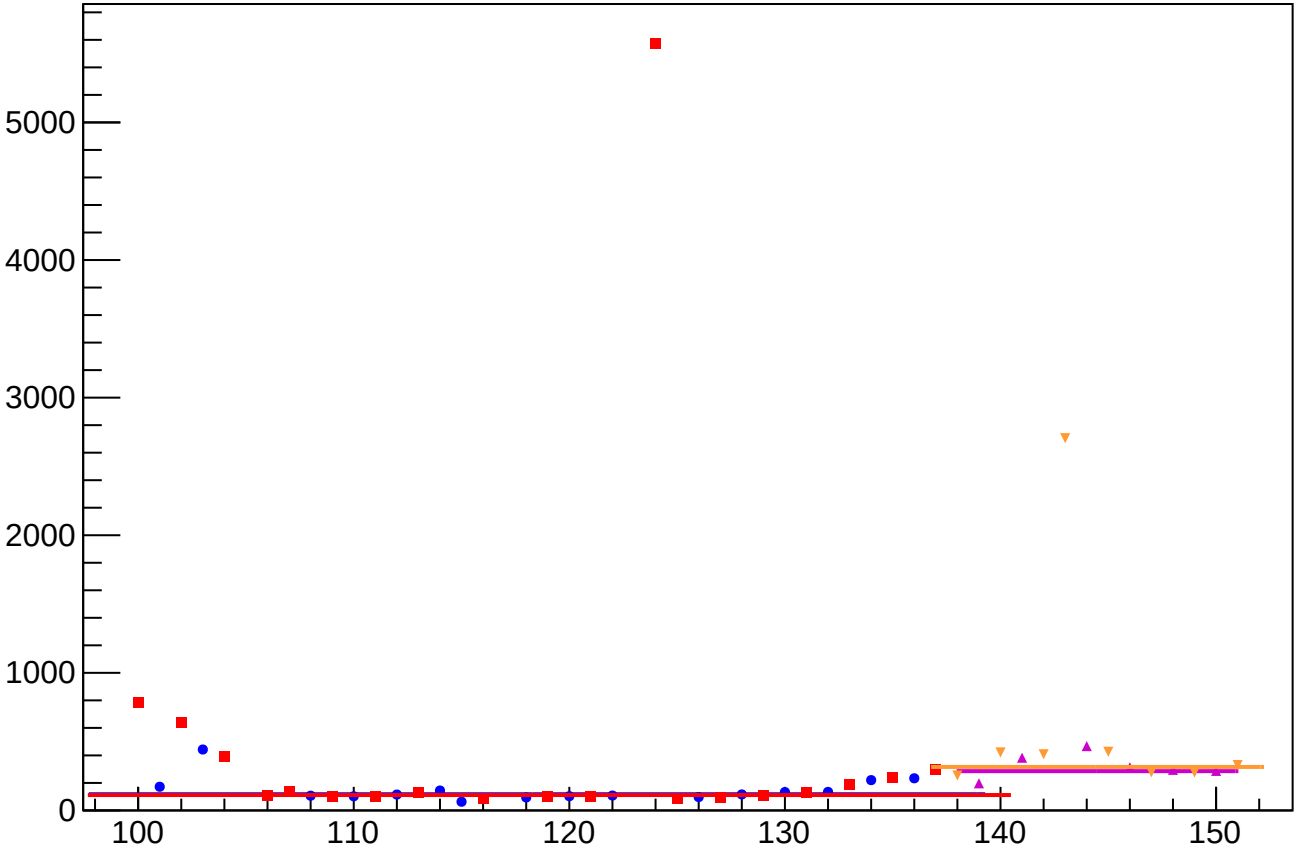
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.037+/-0.045 χ^2/NDF:21.8/21

Out: -0.037+/-0.044 χ^2/NDF:35.2/26

All: -0.001+/-0.032 χ^2/NDF: 58.4/48

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: 316.204+/-0.098 χ^2/NDF:1681902.2/7

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 285.666+/-0.093 χ^2/NDF:698049.2/5

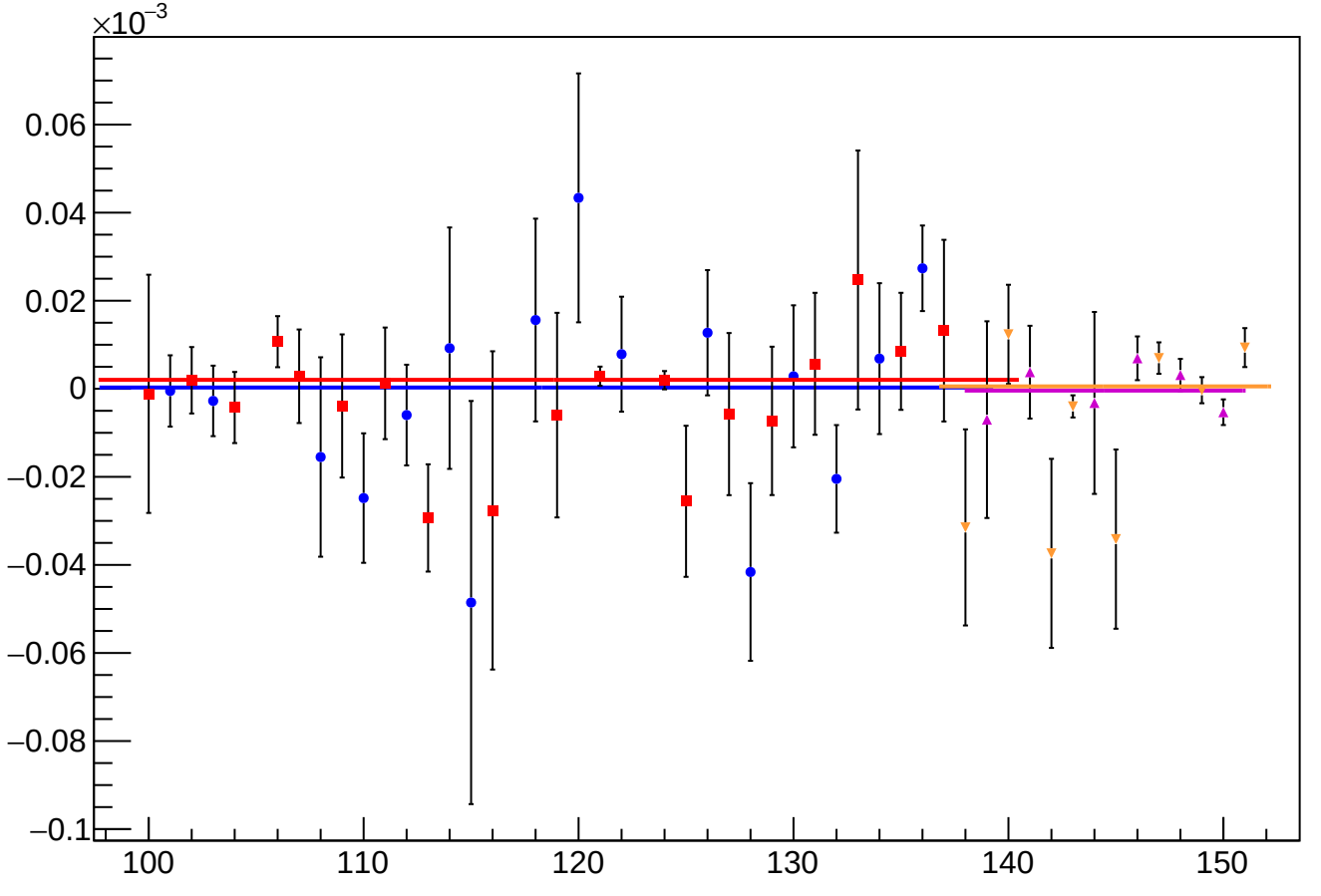
Left: 300.129+/-0.067 χ^2/NDF: 2431365.2/13

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 137.438+/-0.032 χ^2/NDF:5319390.8/21

Out: 133.157+/-0.031 χ^2/NDF:7780705.8/26

All: 135.267+/-0.022 χ^2/NDF: 13109278.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/5

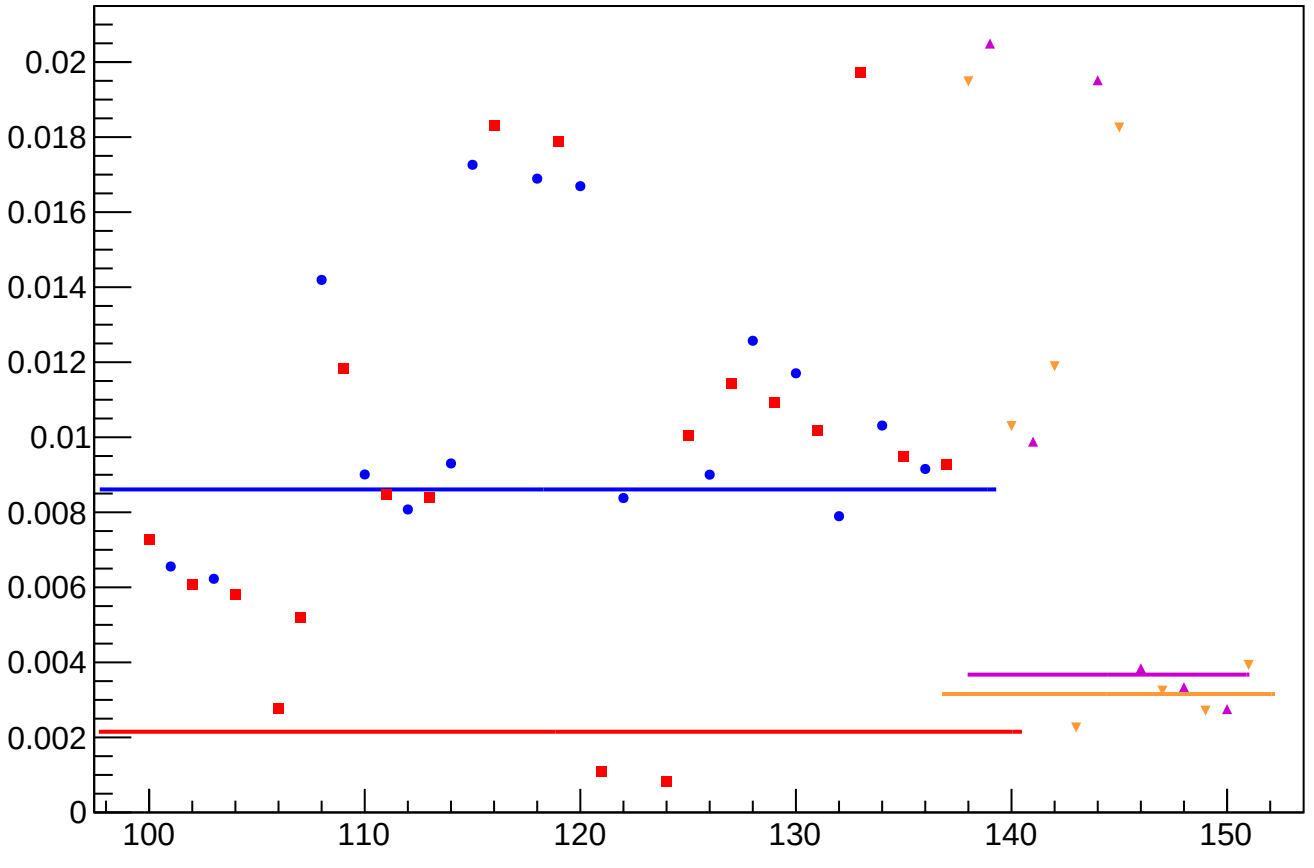
Left: 0.000+/-0.000 χ^2/NDF: 26.1/13

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:30.4/21

Out: 0.000+/-0.000 χ^2/NDF:35.1/26

All: 0.000+/-0.000 χ^2/NDF: 66.1/48



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:3670269.0/7

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:3222416.0/5

Left: 0.003+/-0.000 χ^2/NDF: 6975736.3/13

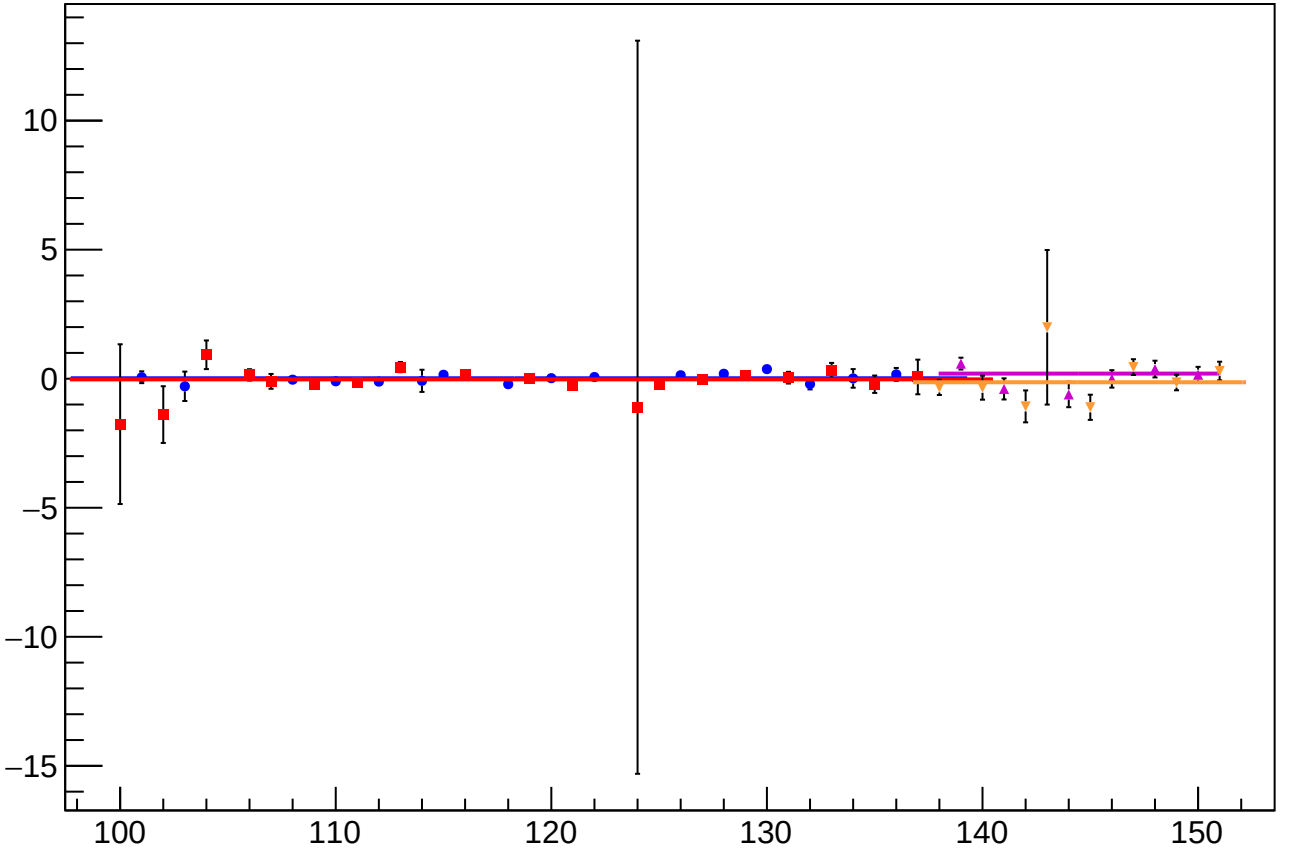
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:7491522.0/21

Out: 0.003+/-0.000 χ^2/NDF:13238661.1/26

All: 0.003+/-0.000 χ^2/NDF: 23576582.4/48

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: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.198+/-0.131 χ^2/NDF:8.3/5

Left: 0.039+/-0.095 χ^2/NDF: 24.0/13

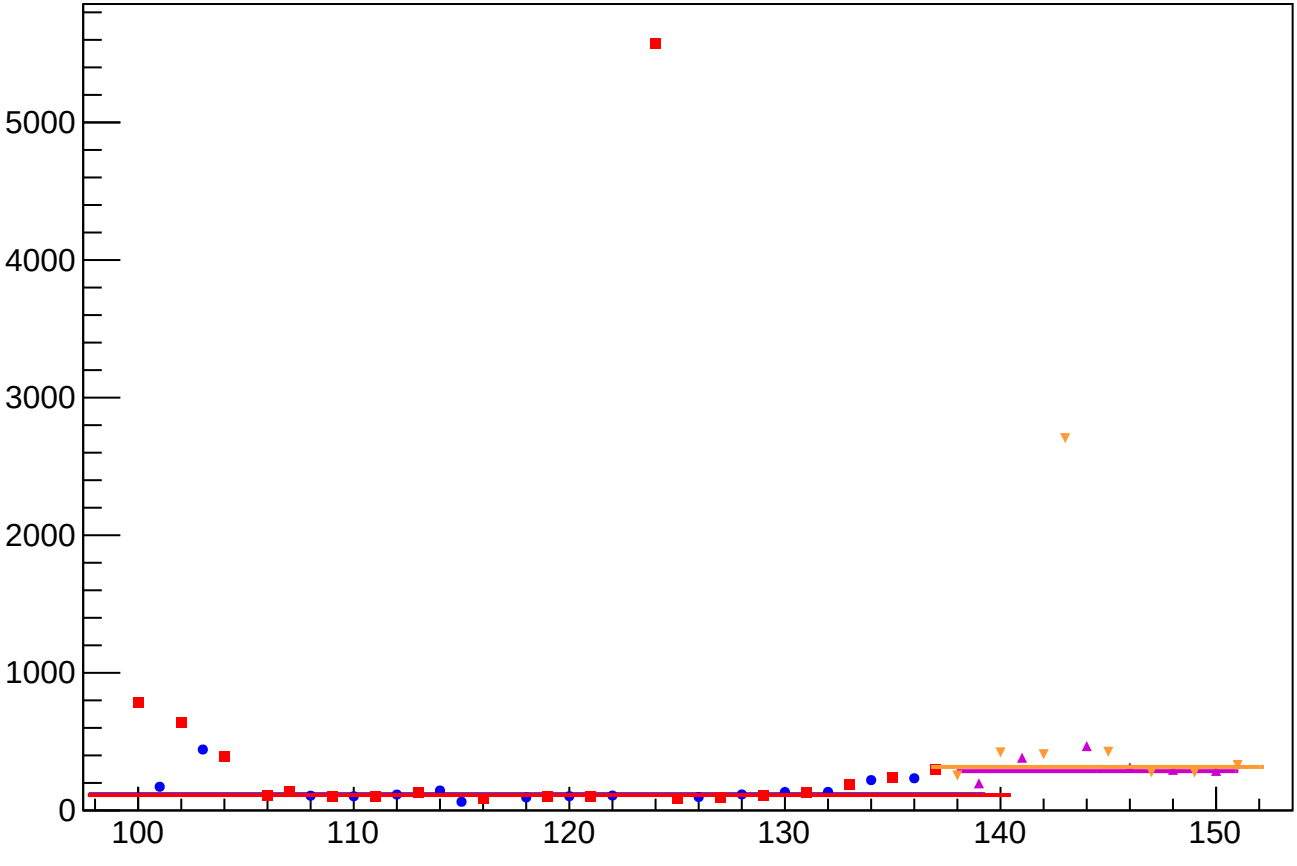
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.037+/-0.045 χ^2/NDF:21.8/21

Out: -0.037+/-0.044 χ^2/NDF:35.2/26

All: -0.001+/-0.032 χ^2/NDF: 58.4/48

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: 316.206+/-0.098 χ^2/NDF:1681923.9/7

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.669+/-0.093 χ^2/NDF:698033.1/5

Left: 300.132+/-0.067 χ^2/NDF: 2431366.1/13

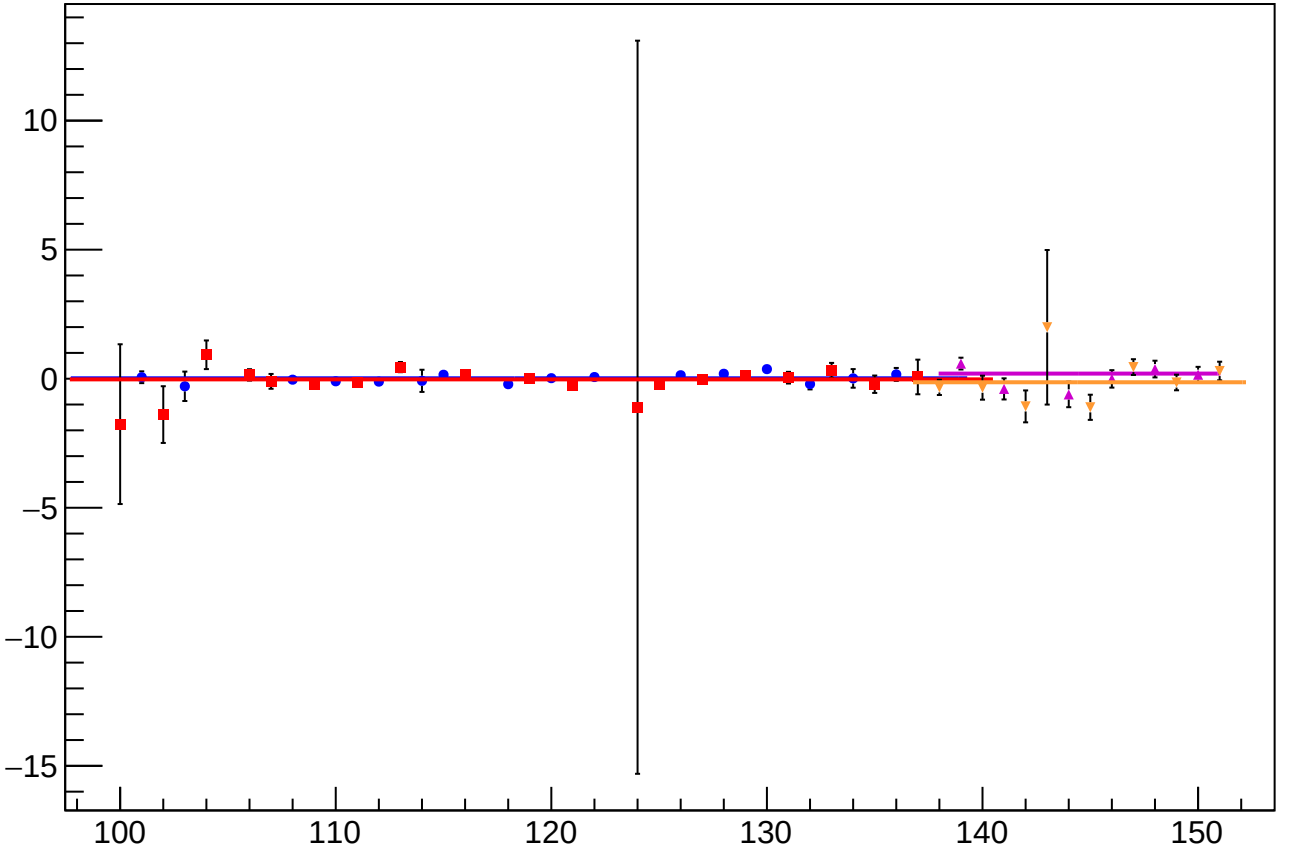
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 137.438+/-0.032 χ^2/NDF:5319397.0/21

Out: 133.159+/-0.031 χ^2/NDF:7780616.7/26

All: 135.268+/-0.022 χ^2/NDF: 13109187.4/48

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: -0.138+/-0.138 χ^2/NDF:12.6/7

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.198+/-0.131 χ^2/NDF:8.3/5

Left: 0.039+/-0.095 χ^2/NDF: 24.0/13

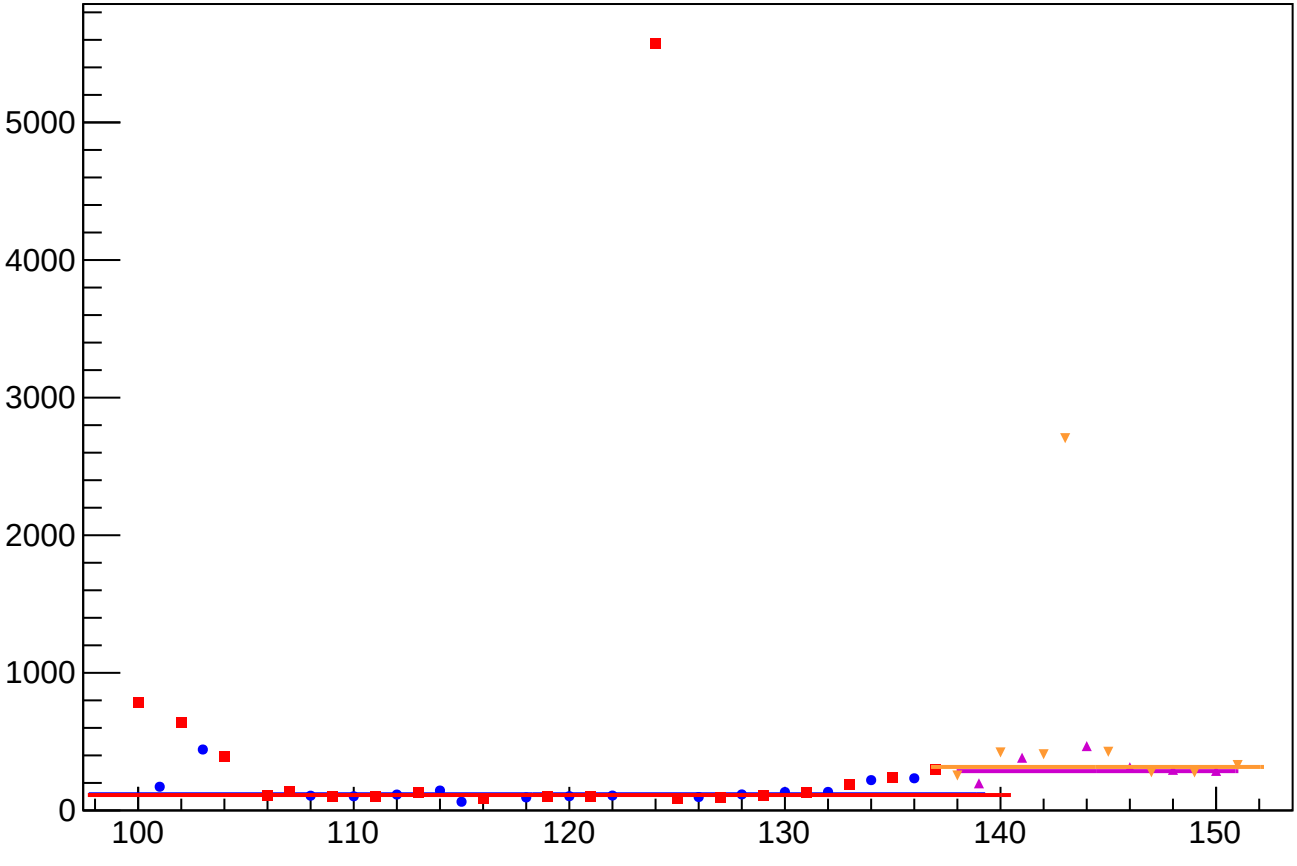
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.037+/-0.045 χ^2/NDF:21.8/21

Out: -0.037+/-0.044 χ^2/NDF:35.2/26

All: -0.001+/-0.032 χ^2/NDF: 58.4/48

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: 316.206+/-0.098 χ^2/NDF:1681923.9/7

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 285.669+/-0.093 χ^2/NDF:698033.1/5

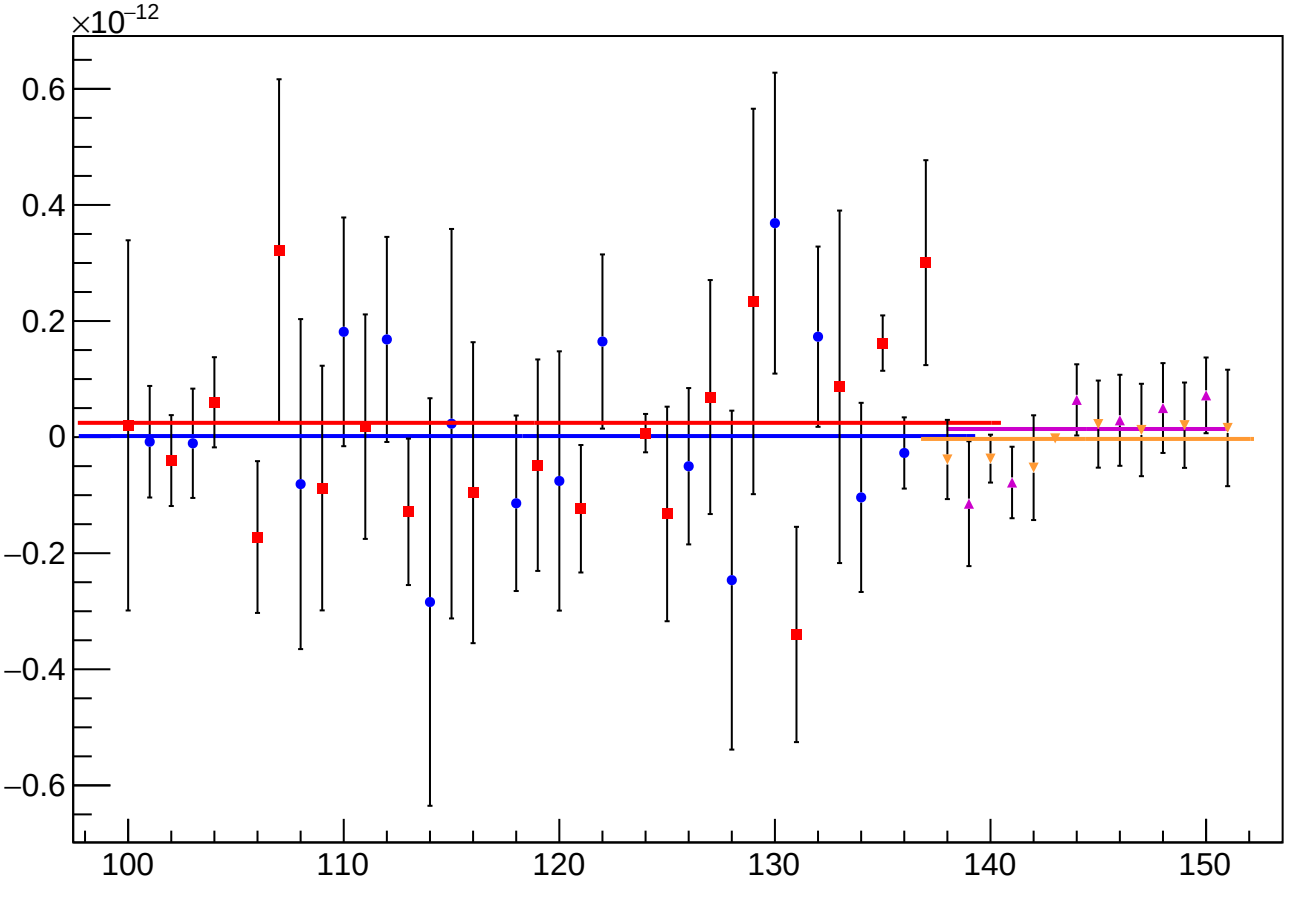
Left: 300.132+/-0.067 χ^2/NDF: 2431366.1/13

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 137.438+/-0.032 χ^2/NDF:5319397.0/21

Out: 133.159+/-0.031 χ^2/NDF:7780616.7/26

All: 135.268+/-0.022 χ^2/NDF: 13109187.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/5

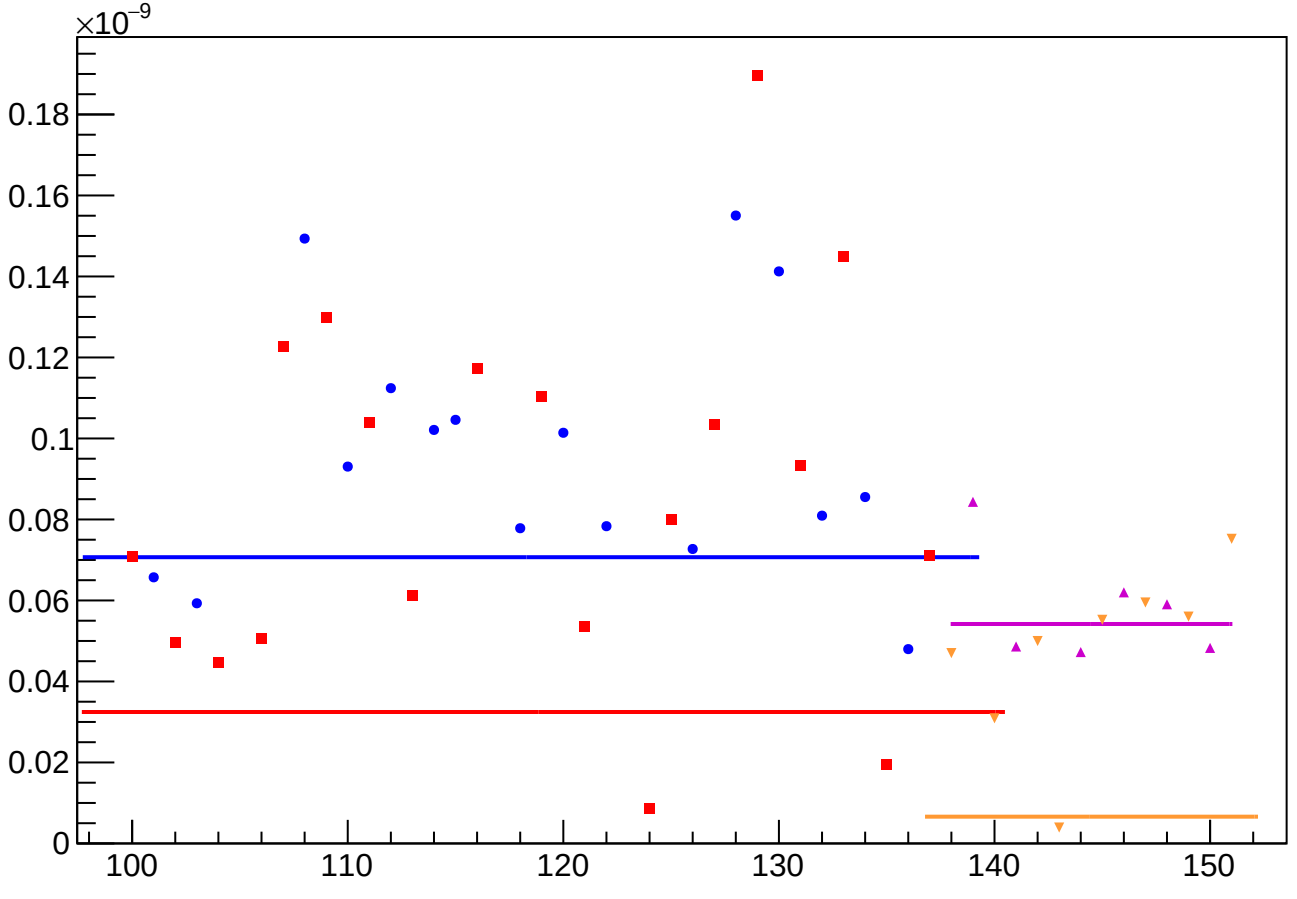
Left: -0.000+/-0.000 χ^2/NDF: 7.3/13

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:14.6/21

Out: -0.000+/-0.000 χ^2/NDF:27.3/26

All: -0.000+/-0.000 χ^2/NDF: 42.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5745323.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:243348.4/5

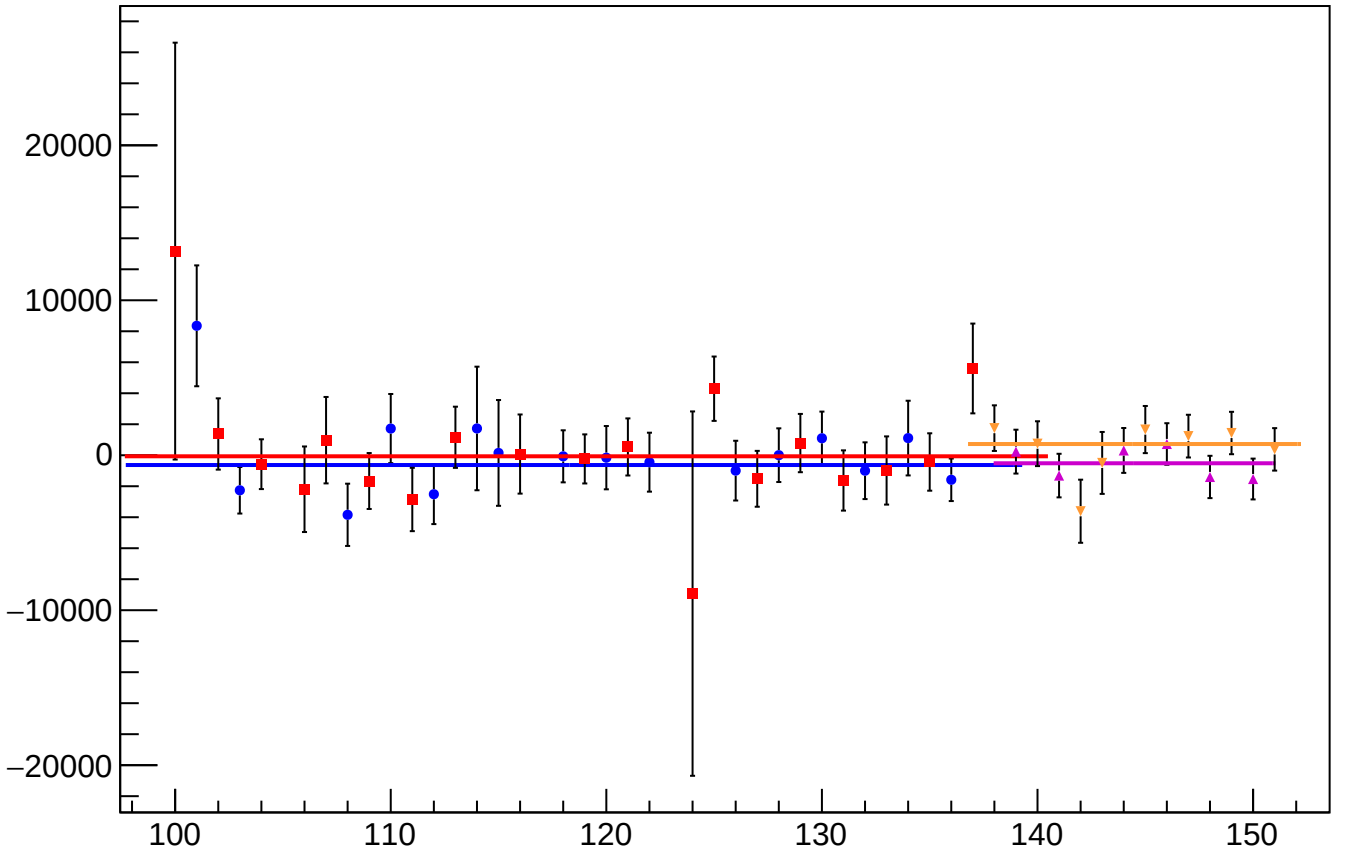
Left: 0.000+/-0.000 χ^2/NDF: 11086009.0/13

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1534607.8/21

Out: 0.000+/-0.000 χ^2/NDF:12820601.2/26

All: 0.000+/-0.000 χ^2/NDF: 24662906.3/48



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.837+/-537.862 χ^2/NDF:6.2/7

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -517.647+/-563.232 χ^2/NDF:2.8/5

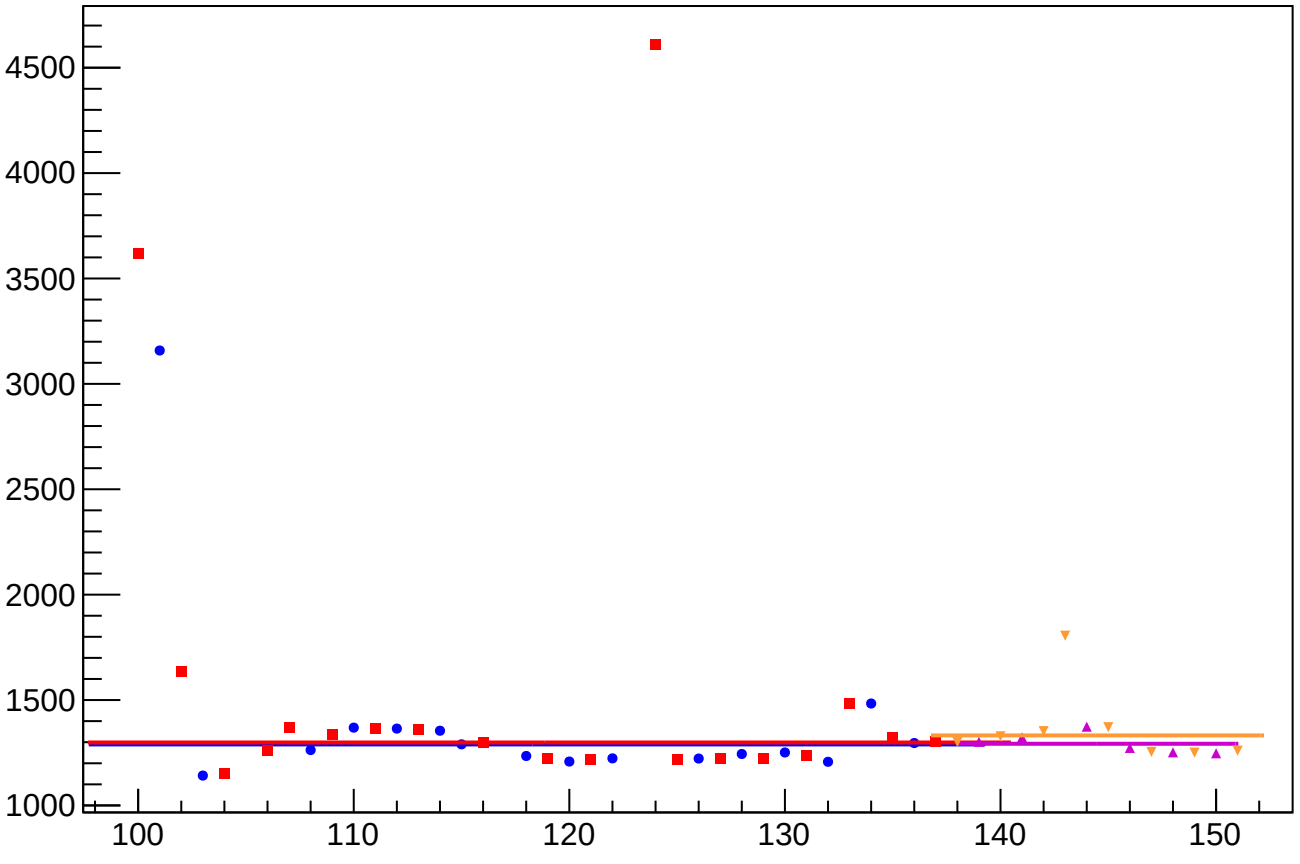
Left: 131.685+/-388.985 χ^2/NDF: 11.6/13

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -582.342+/-369.106 χ^2/NDF:16.7/21

Out: 289.526+/-361.316 χ^2/NDF:23.3/26

All: -137.111+/-258.199 χ^2/NDF: 42.9/48



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

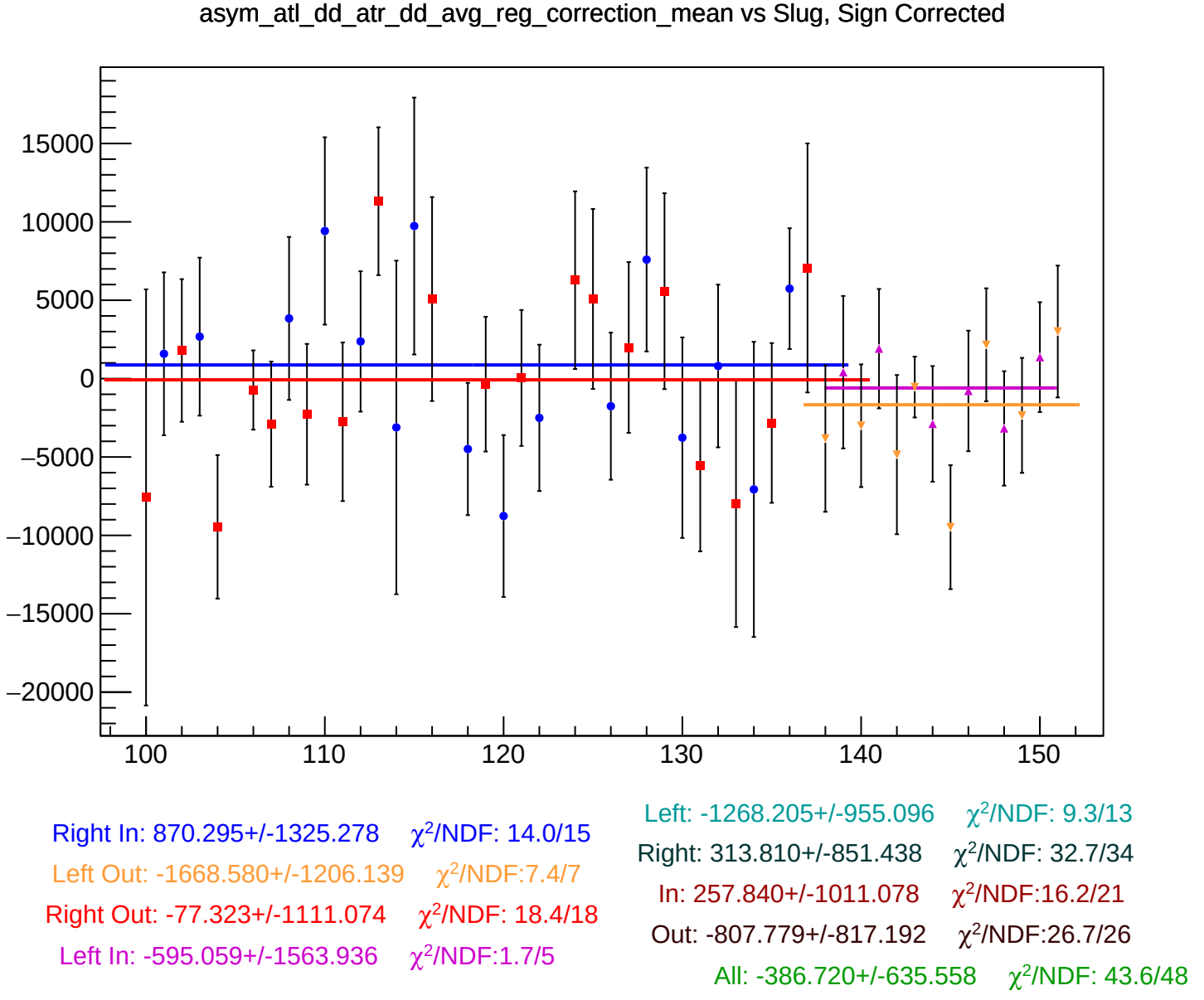
Left: 1313.284+/-0.275 χ^2/NDF: 150761.8/13

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

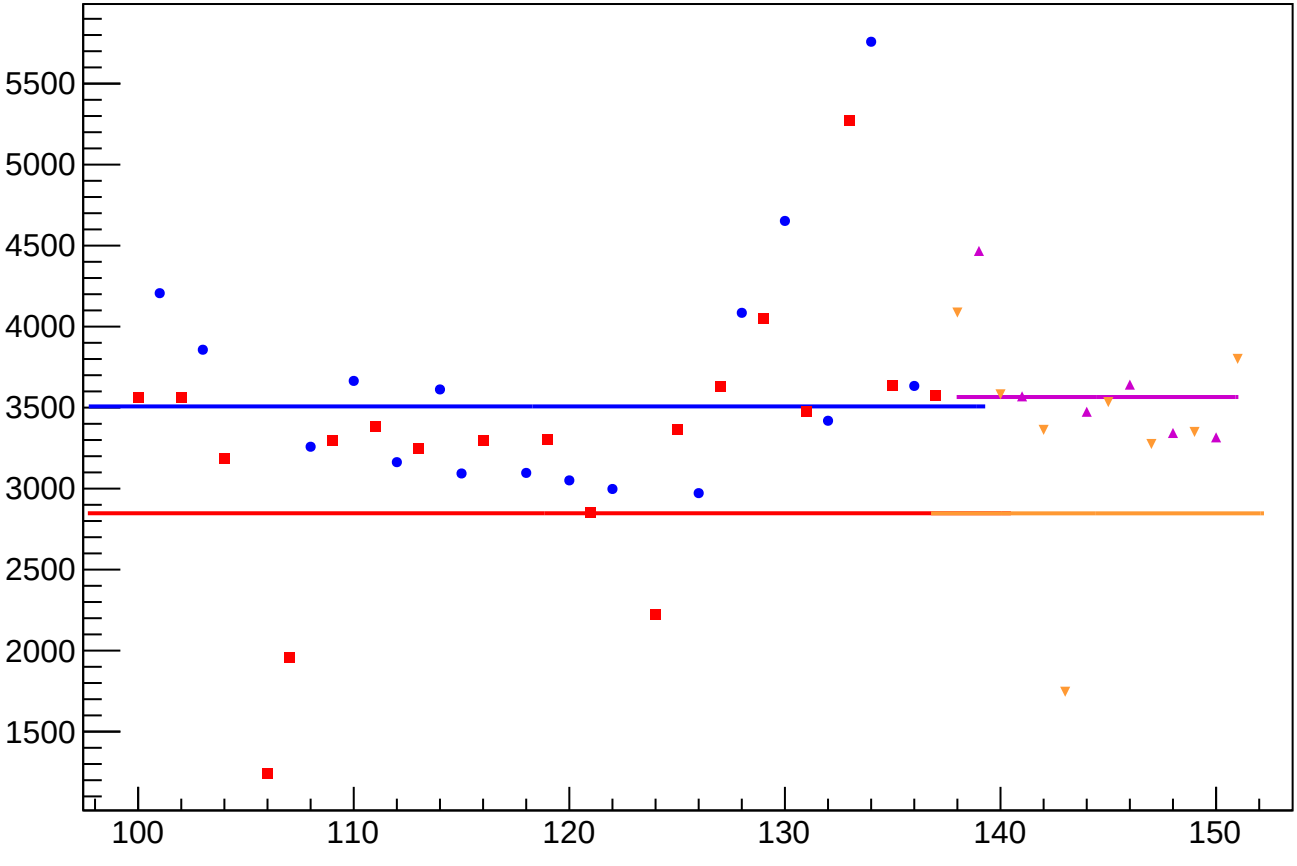
In: 1290.793+/-0.261 χ^2/NDF:526539.1/21

Out: 1313.744+/-0.255 χ^2/NDF:457403.1/26

All: 1302.530+/-0.182 χ^2/NDF: 987896.5/48


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -1668.580+/-1206.139 χ²/NDF:7.4/7
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -595.059+/-1563.936 χ²/NDF:1.7/5
Left: -1268.205+/-955.096 χ²/NDF: 9.3/13
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 257.840+/-1011.078 χ²/NDF:16.2/21
Out: -807.779+/-817.192 χ²/NDF:26.7/26
All: -386.720+/-635.558 χ²/NDF: 43.6/48

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2847.311+/-0.853 χ^2/NDF:1105175.2/7

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3565.427+/-1.106 χ^2/NDF:88295.7/5

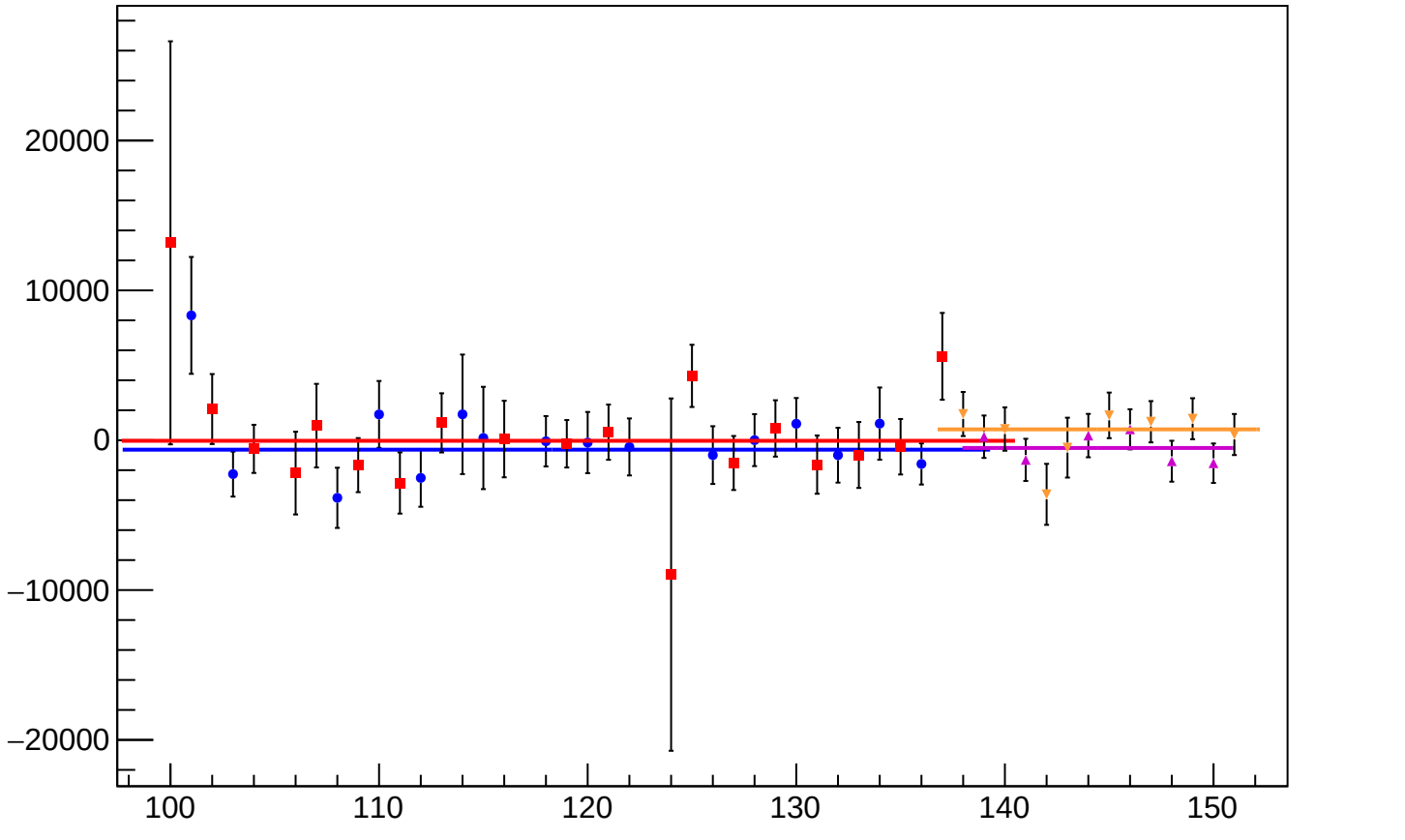
Left: 3115.136+/-0.675 χ^2/NDF: 1457882.2/13

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3531.651+/-0.715 χ^2/NDF:443877.5/21

Out: 2847.593+/-0.578 χ^2/NDF:2604549.0/26

All: 3117.886+/-0.449 χ^2/NDF: 3602168.8/48



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -517.618+/-563.232 χ^2/NDF:2.8/5

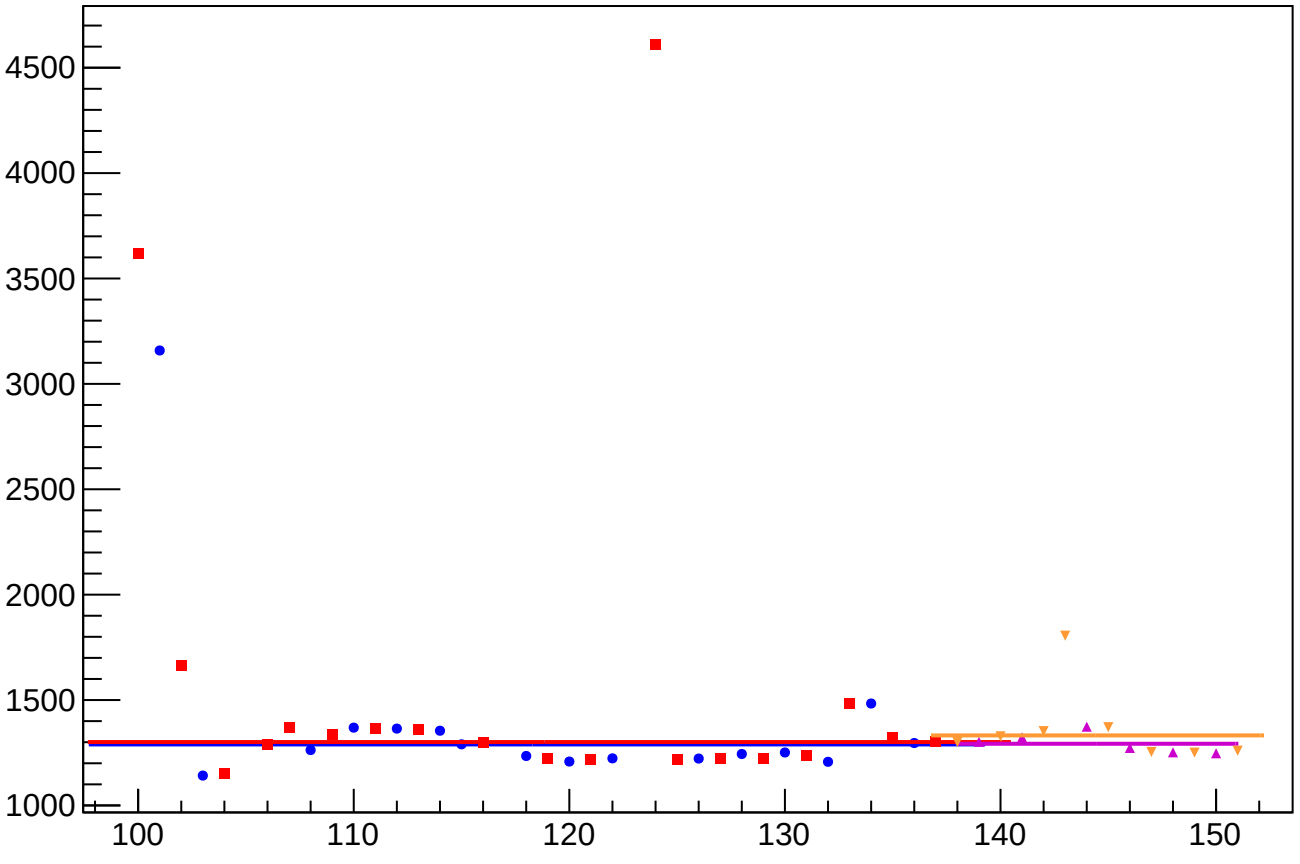
Left: 131.682+/-388.985 χ^2/NDF: 11.6/13

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -582.550+/-369.106 χ^2/NDF:16.7/21

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -129.122+/-258.247 χ^2/NDF: 43.3/48



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

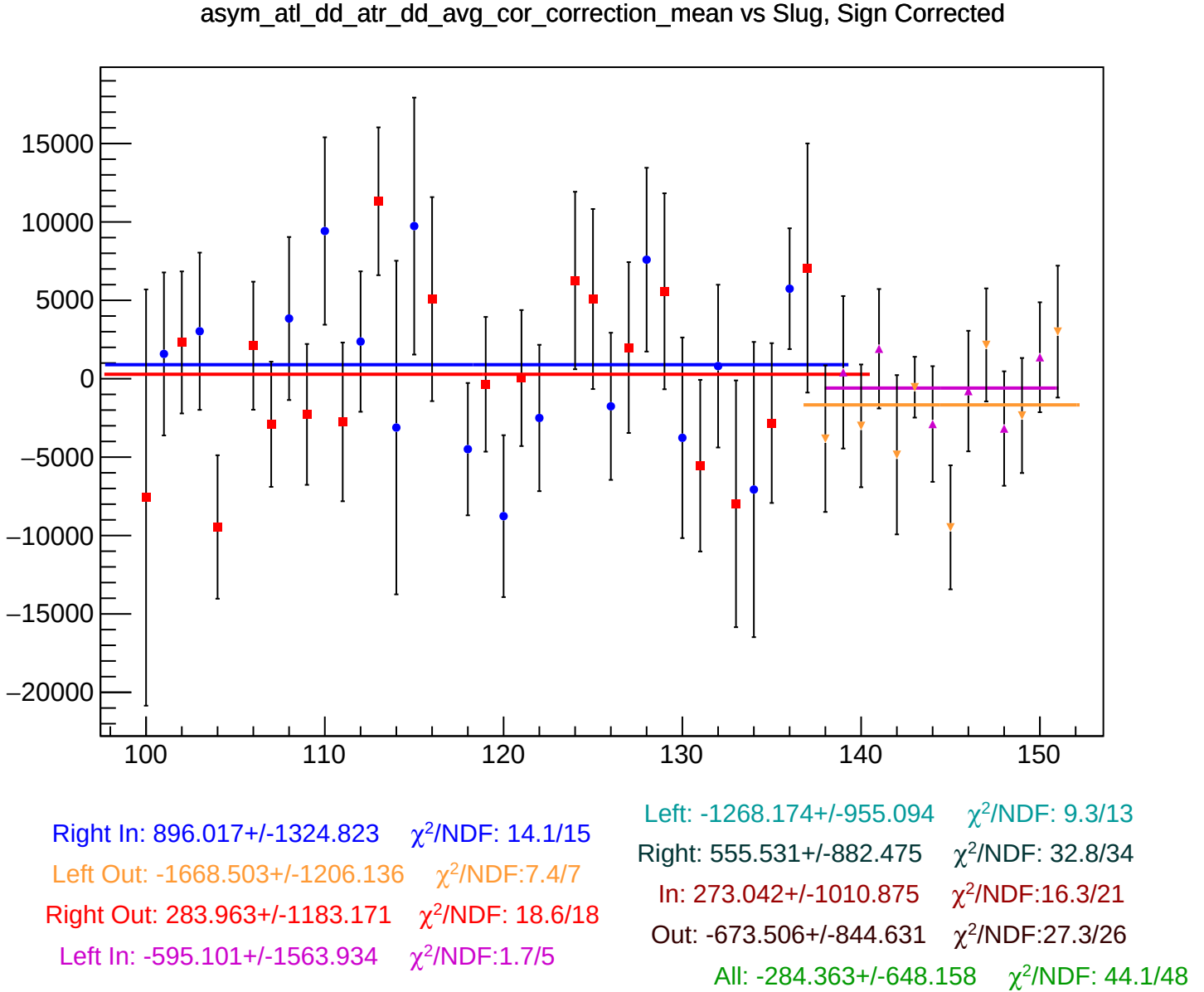
Left: 1313.284+/-0.275 χ^2/NDF: 150761.8/13

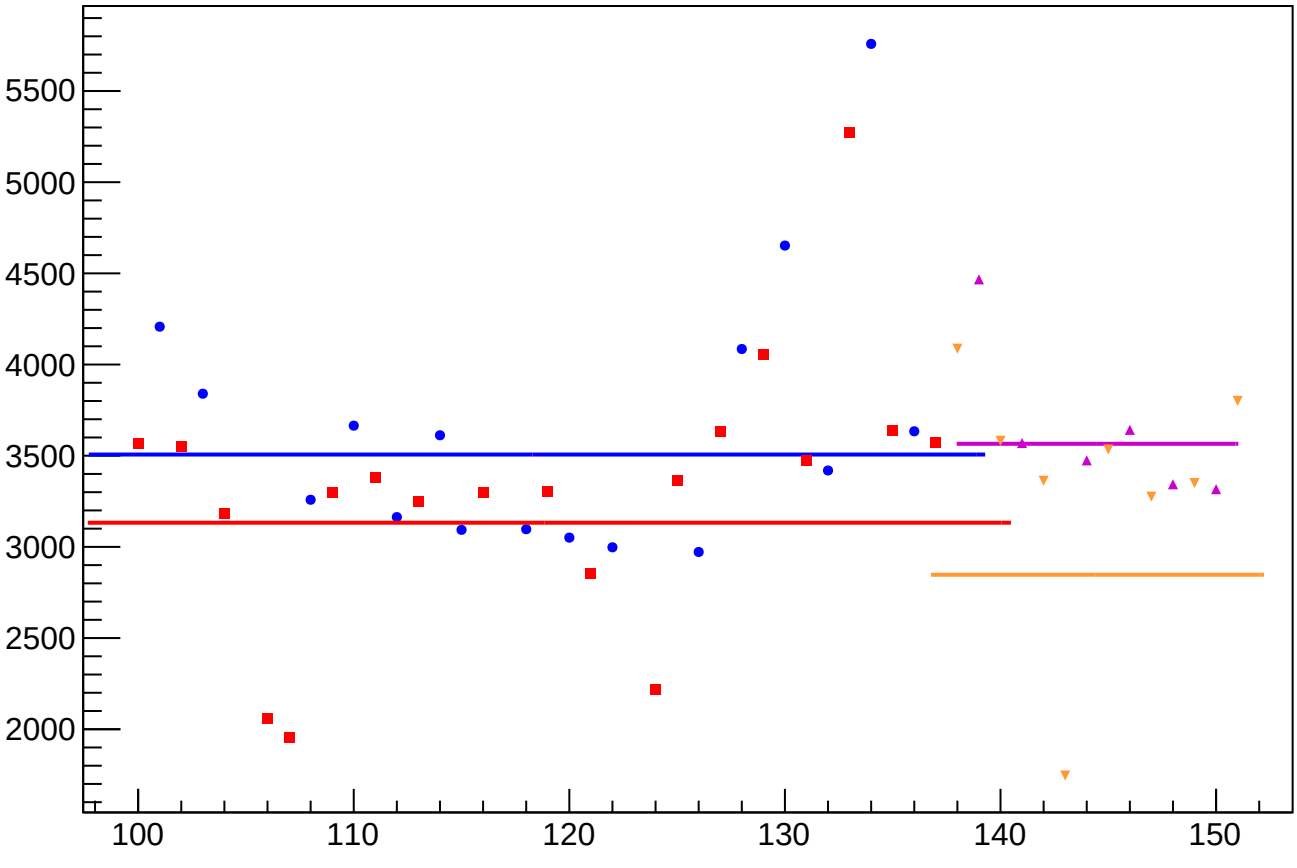
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.793+/-0.261 χ^2/NDF:526540.5/21

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1668.503+/-1206.136 χ²/NDF:7.4/7
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -595.101+/-1563.934 χ²/NDF:1.7/5
Left: -1268.174+/-955.094 χ²/NDF: 9.3/13
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 273.042+/-1010.875 χ²/NDF:16.3/21
Out: -673.506+/-844.631 χ²/NDF:27.3/26
All: -284.363+/-648.158 χ²/NDF: 44.1/48



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

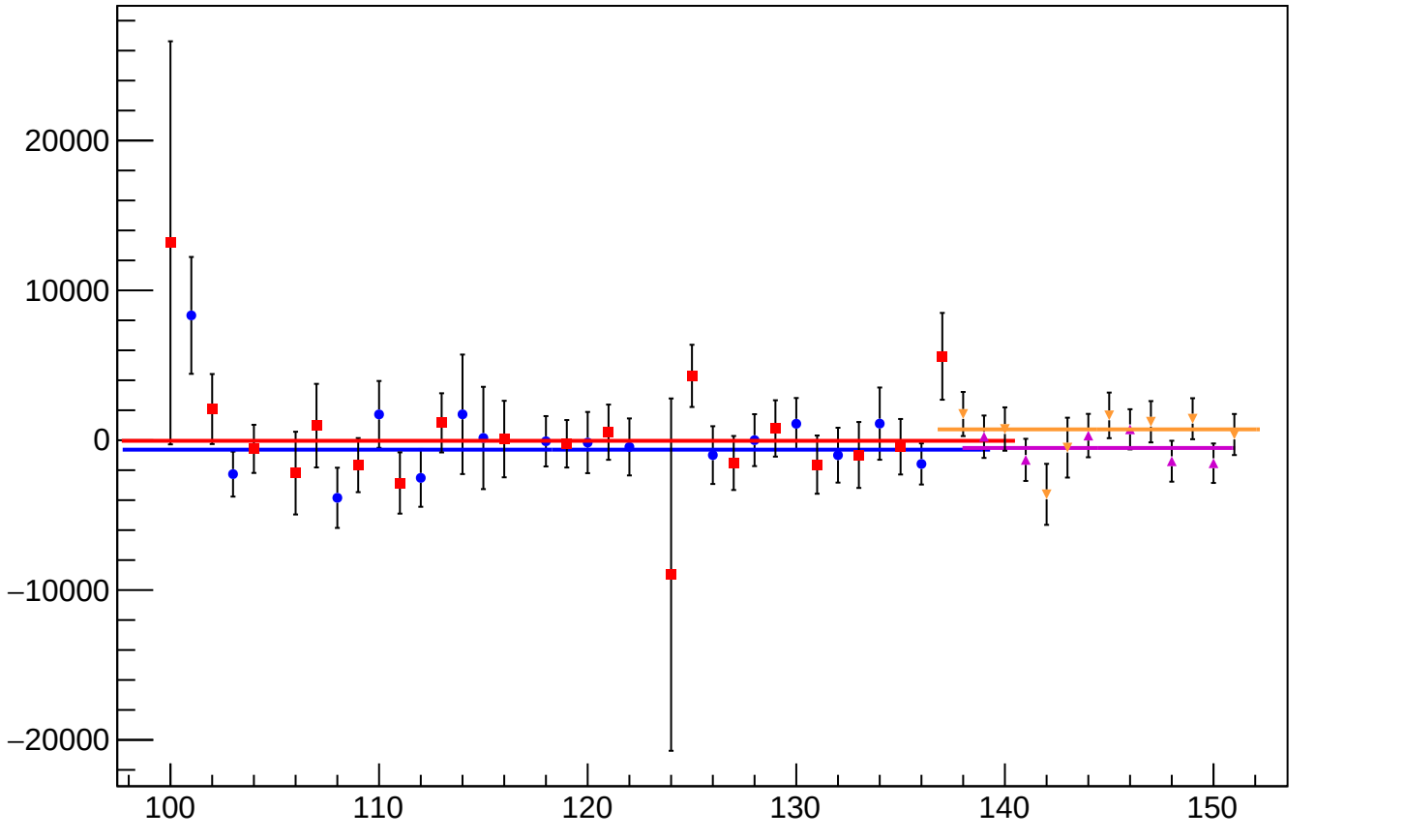
Left: 3115.127+/-0.675 χ^2/NDF: 1457905.8/13

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3531.108+/-0.715 χ^2/NDF:443186.4/21

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -517.618+/-563.232 χ^2/NDF:2.8/5

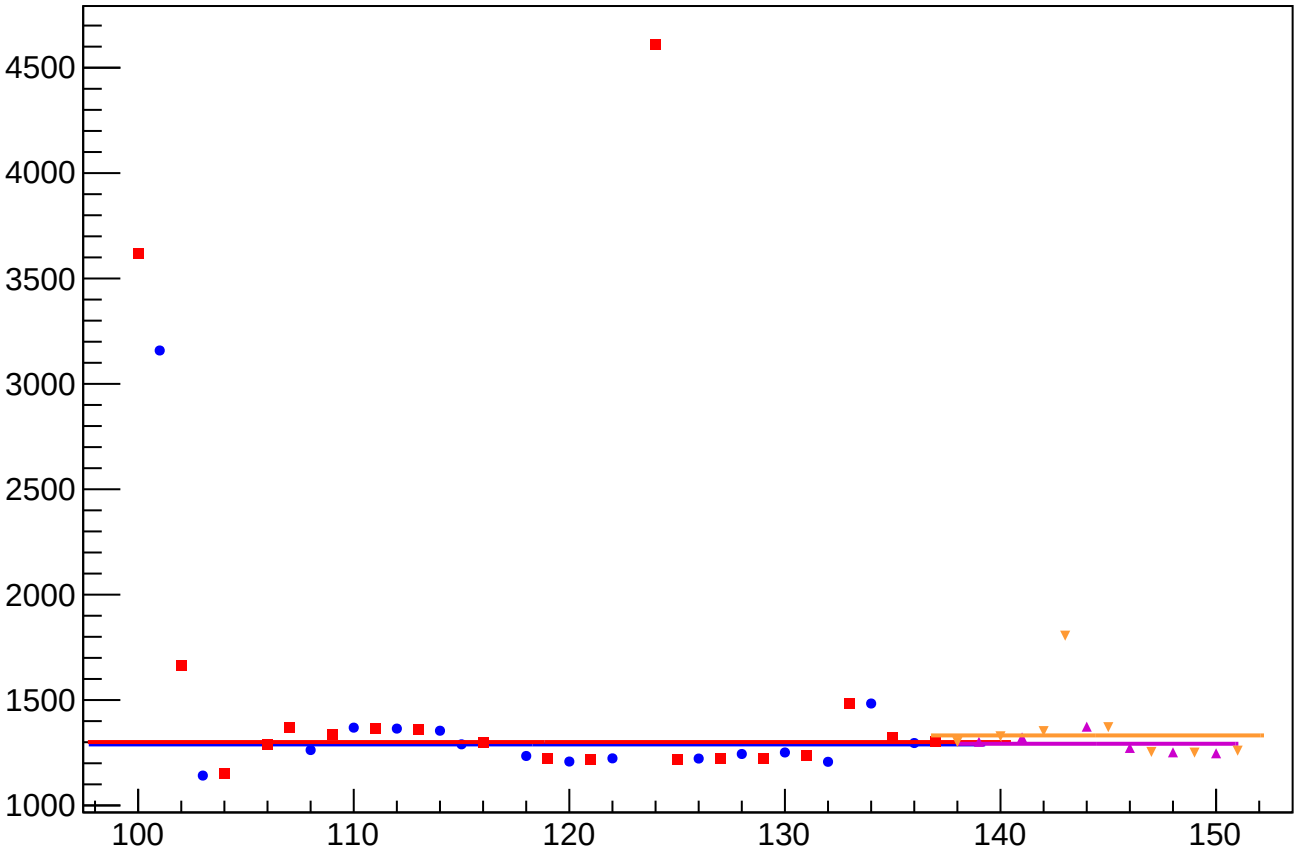
Left: 131.682+/-388.985 χ^2/NDF: 11.6/13

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -582.550+/-369.106 χ^2/NDF:16.7/21

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -129.122+/-258.247 χ^2/NDF: 43.3/48



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

Left: 1313.284+/-0.275 χ^2/NDF: 150761.8/13

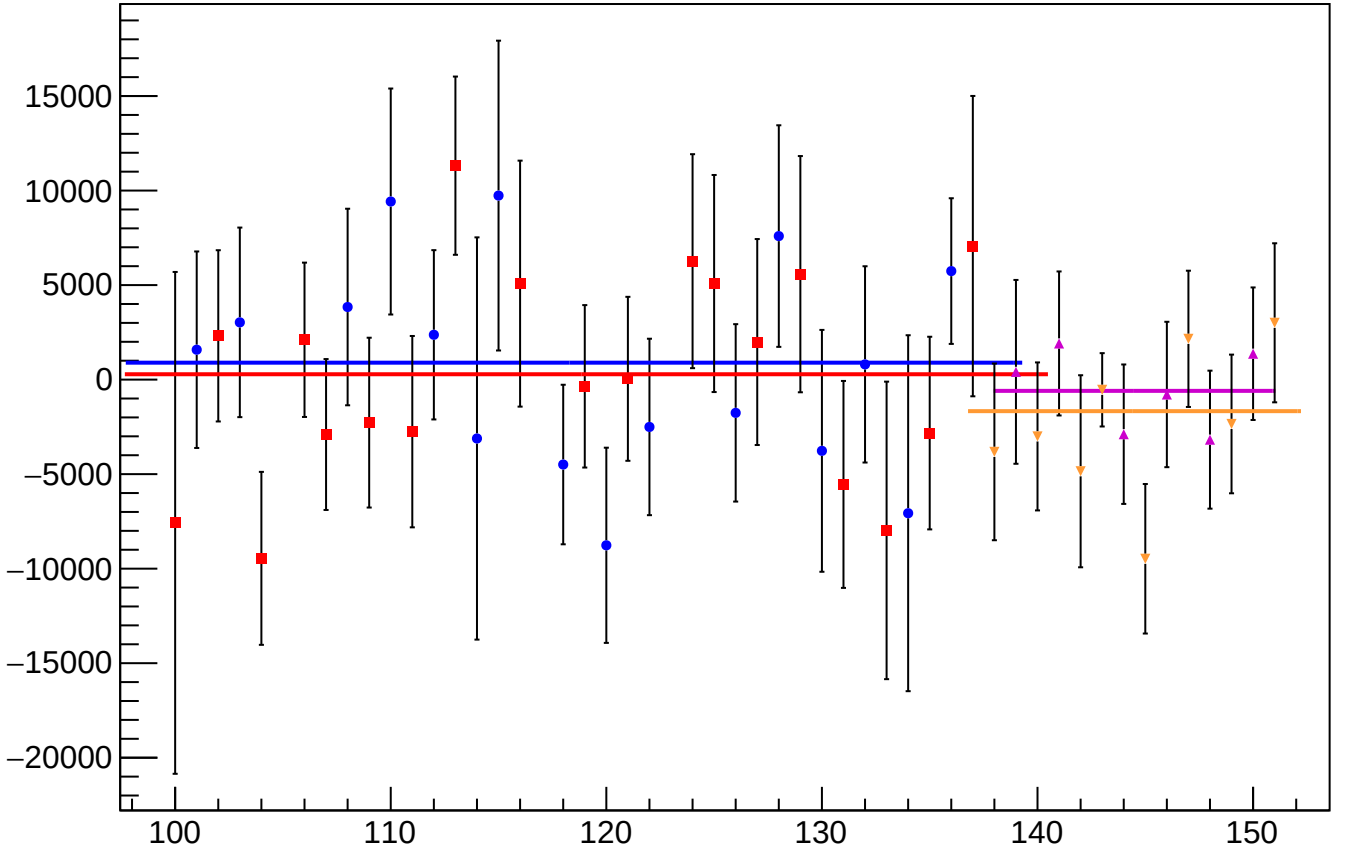
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.793+/-0.261 χ^2/NDF:526540.5/21

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48

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: -1668.503+/-1206.136 χ^2/NDF:7.4/7

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -595.101+/-1563.934 χ^2/NDF:1.7/5

Left: -1268.174+/-955.094 χ^2/NDF: 9.3/13

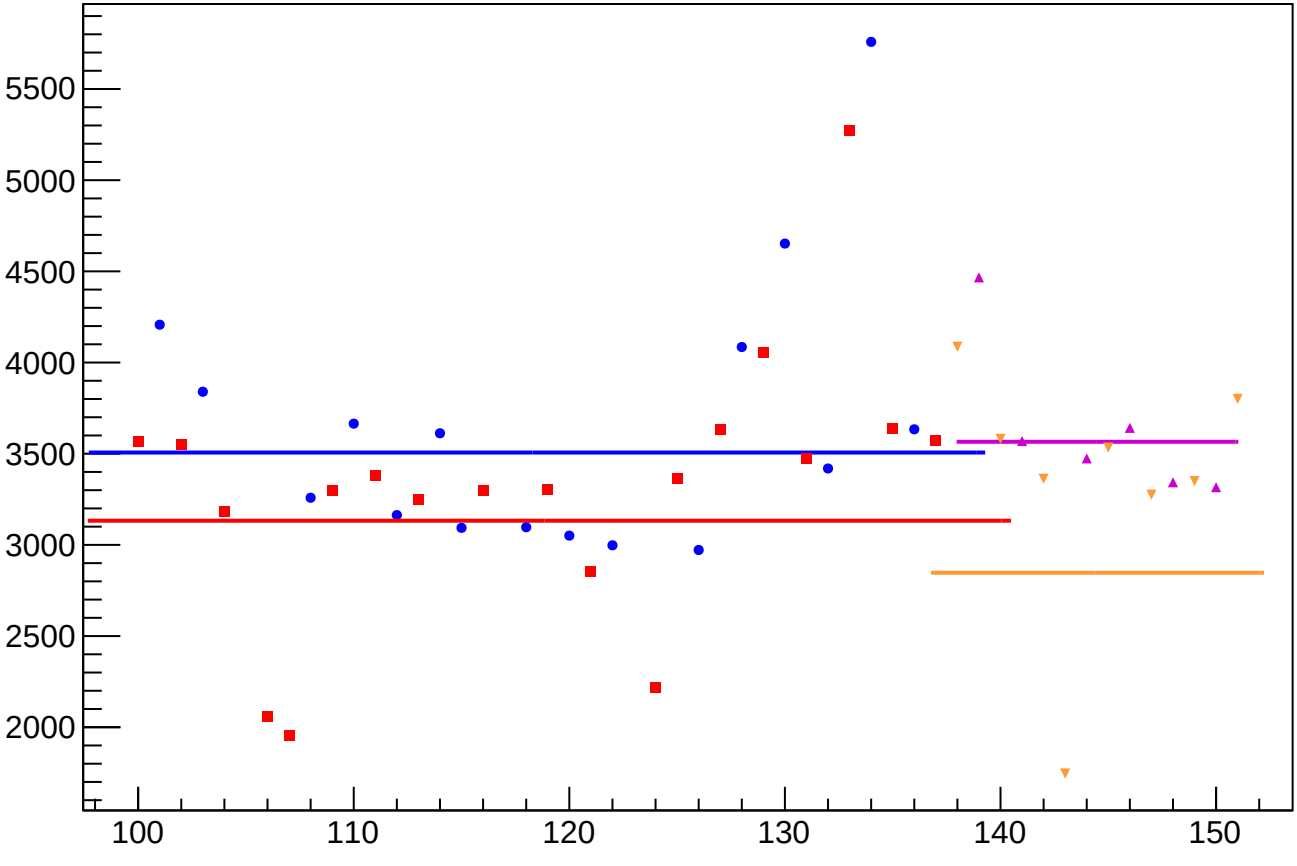
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 273.042+/-1010.875 χ^2/NDF:16.3/21

Out: -673.506+/-844.631 χ^2/NDF:27.3/26

All: -284.363+/-648.158 χ^2/NDF: 44.1/48

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

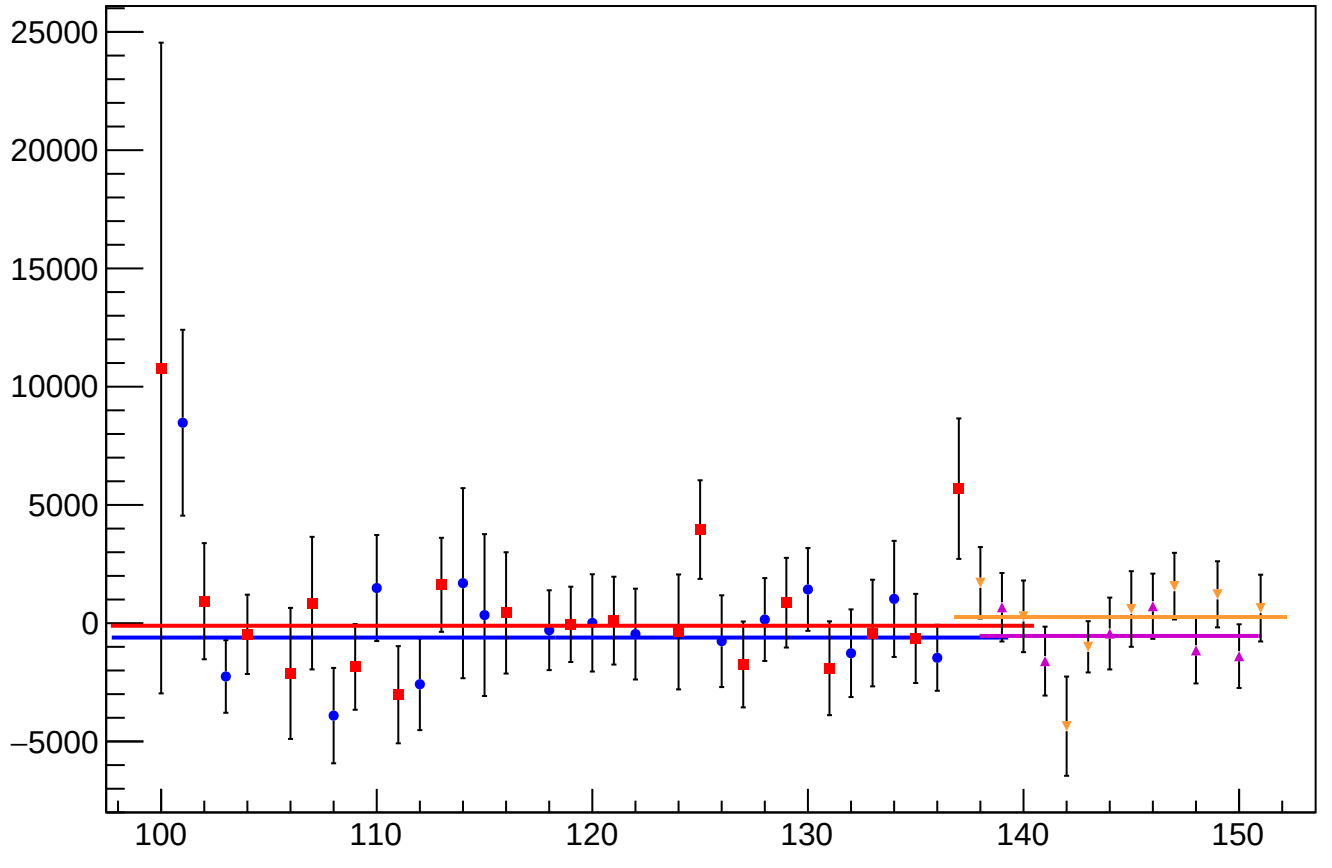
Left: 3115.127+/-0.675 χ^2/NDF: 1457905.8/13

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3531.108+/-0.715 χ^2/NDF:443186.4/21

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.523+/-508.892 χ^2/NDF:8.6/7

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -539.145+/-580.335 χ^2/NDF:2.7/5

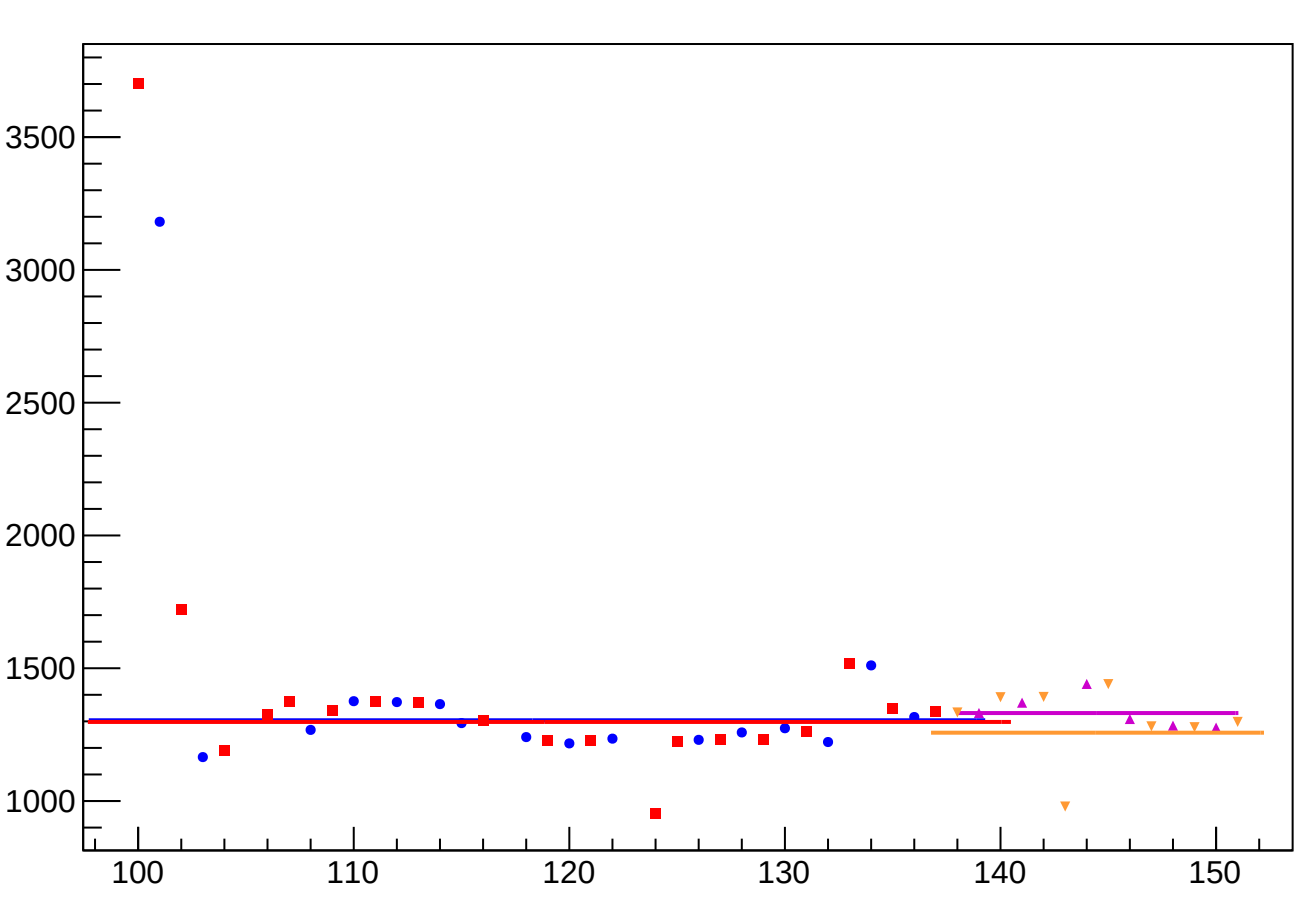
Left: -87.084+/-382.621 χ^2/NDF: 12.3/13

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -578.960+/-376.249 χ^2/NDF:16.8/21

Out: 67.296+/-351.299 χ^2/NDF:23.7/26

All: -233.695+/-256.774 χ^2/NDF: 42.1/48



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1257.332+/-0.360 χ^2/NDF:189333.3/7

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1331.283+/-0.410 χ^2/NDF:18010.4/5

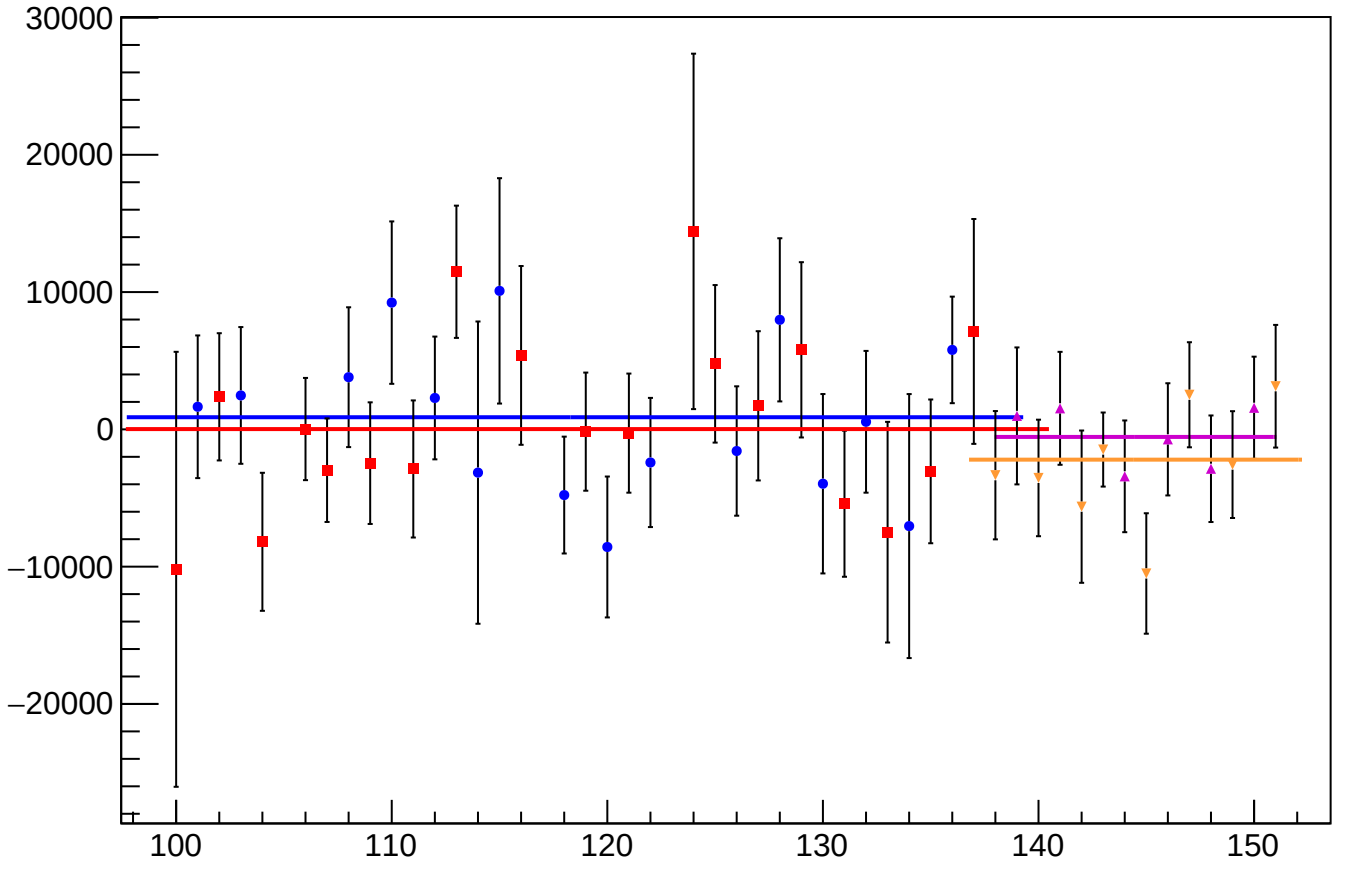
Left: 1289.478+/-0.271 χ^2/NDF: 225702.4/13

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.527+/-0.266 χ^2/NDF:531142.9/21

Out: 1278.528+/-0.248 χ^2/NDF:409053.9/26

All: 1295.753+/-0.182 χ^2/NDF: 950533.0/48



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2205.955+/-1403.445 χ^2/NDF:7.2/7

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -550.568+/-1670.988 χ^2/NDF:1.5/5

Left: -1521.234+/-1074.683 χ^2/NDF: 9.3/13

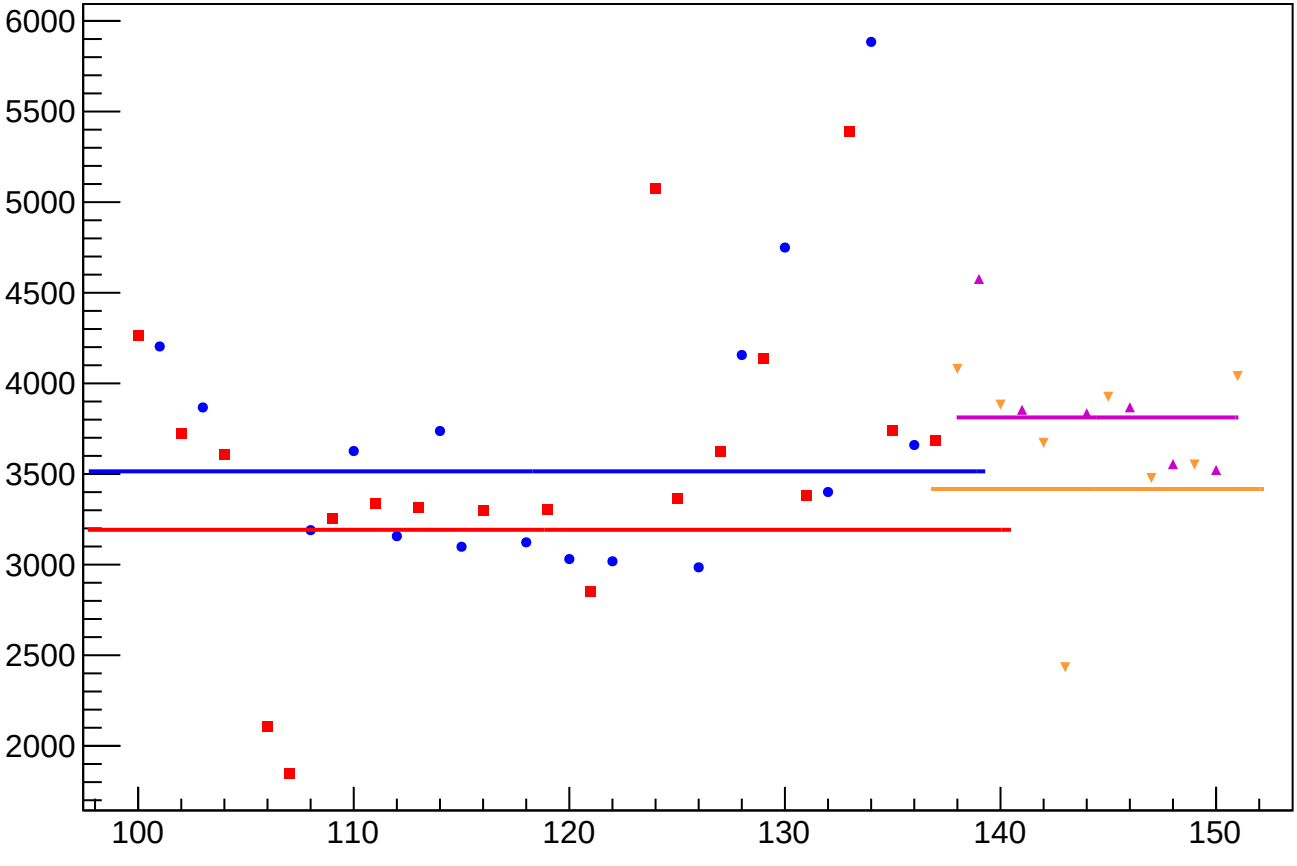
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 329.010+/-1039.368 χ^2/NDF:16.1/21

Out: -919.707+/-912.062 χ^2/NDF:25.4/26

All: -376.466+/-685.541 χ^2/NDF: 42.3/48

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3417.290+/-0.992 χ^2/NDF:402928.5/7

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3812.116+/-1.182 χ^2/NDF:68525.5/5

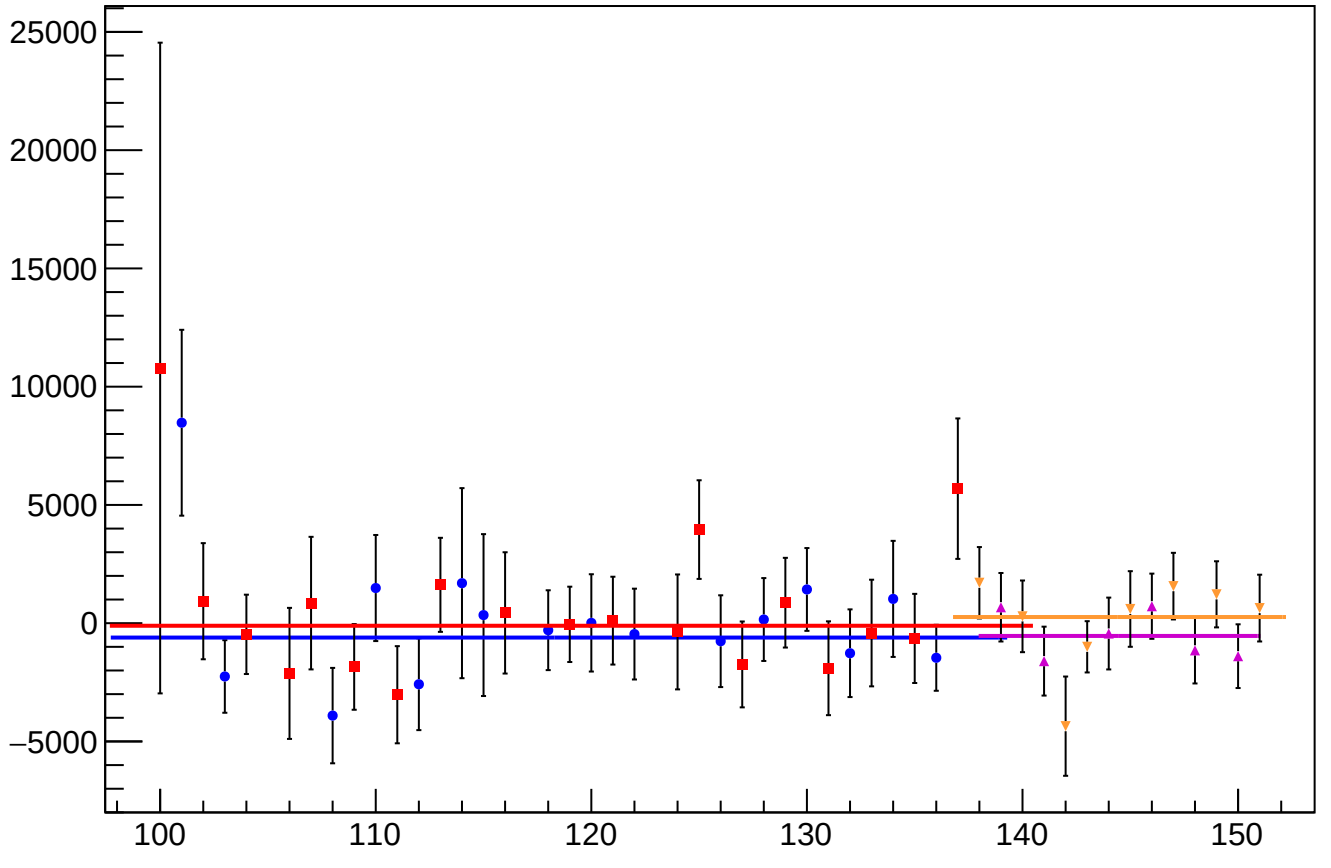
Left: 3580.603+/-0.760 χ^2/NDF: 536927.3/13

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3629.796+/-0.735 χ^2/NDF:482438.4/21

Out: 3287.266+/-0.645 χ^2/NDF:1205141.9/26

All: 3436.280+/-0.485 χ^2/NDF: 1810298.4/48



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.521+/-508.892 χ^2/NDF:8.6/7

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -539.145+/-580.336 χ^2/NDF:2.7/5

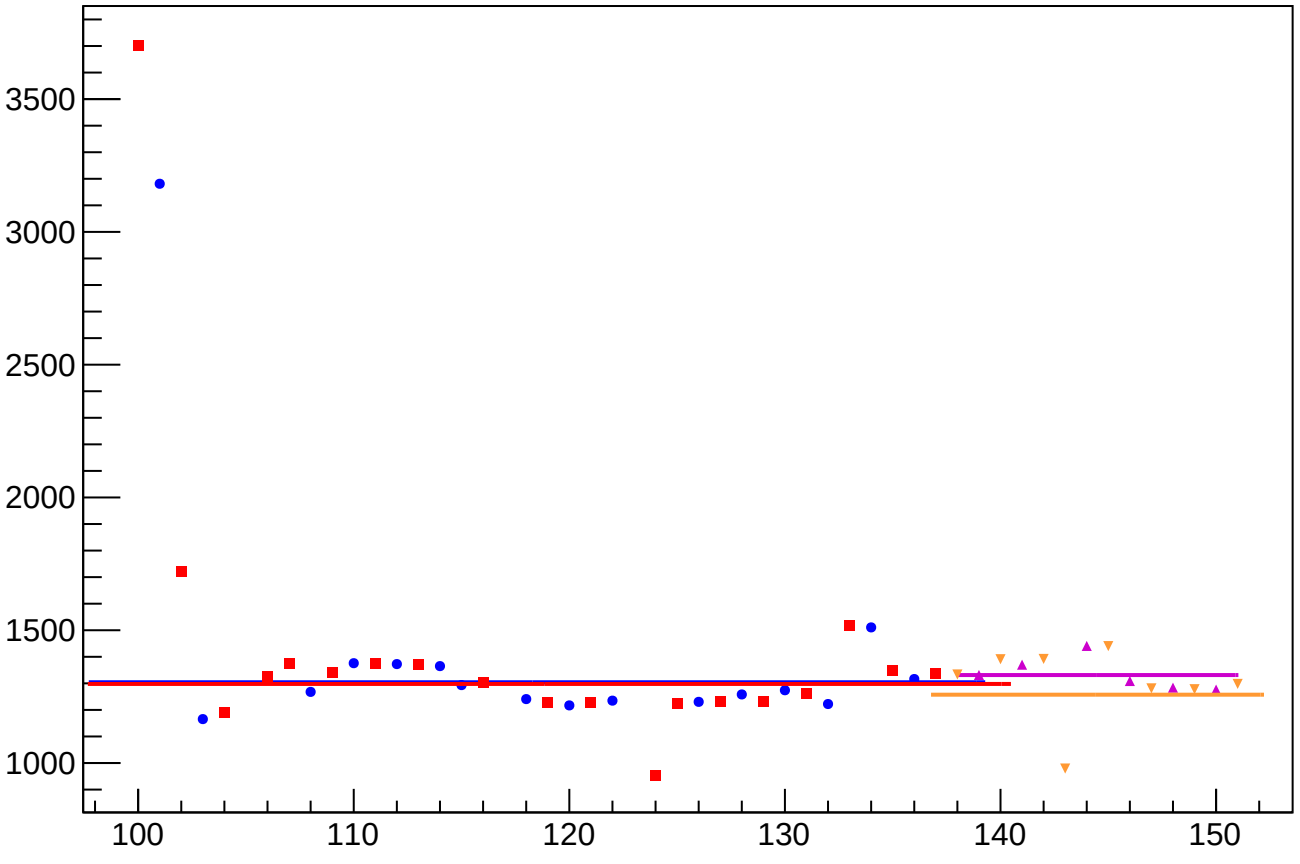
Left: -87.086+/-382.621 χ^2/NDF: 12.3/13

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -578.962+/-376.250 χ^2/NDF:16.8/21

Out: 67.292+/-351.299 χ^2/NDF:23.7/26

All: -233.698+/-256.774 χ^2/NDF: 42.1/48



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1257.333+/-0.360 χ^2/NDF:189333.5/7

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1331.284+/-0.410 χ^2/NDF:18010.5/5

Left: 1289.479+/-0.271 χ^2/NDF: 225702.7/13

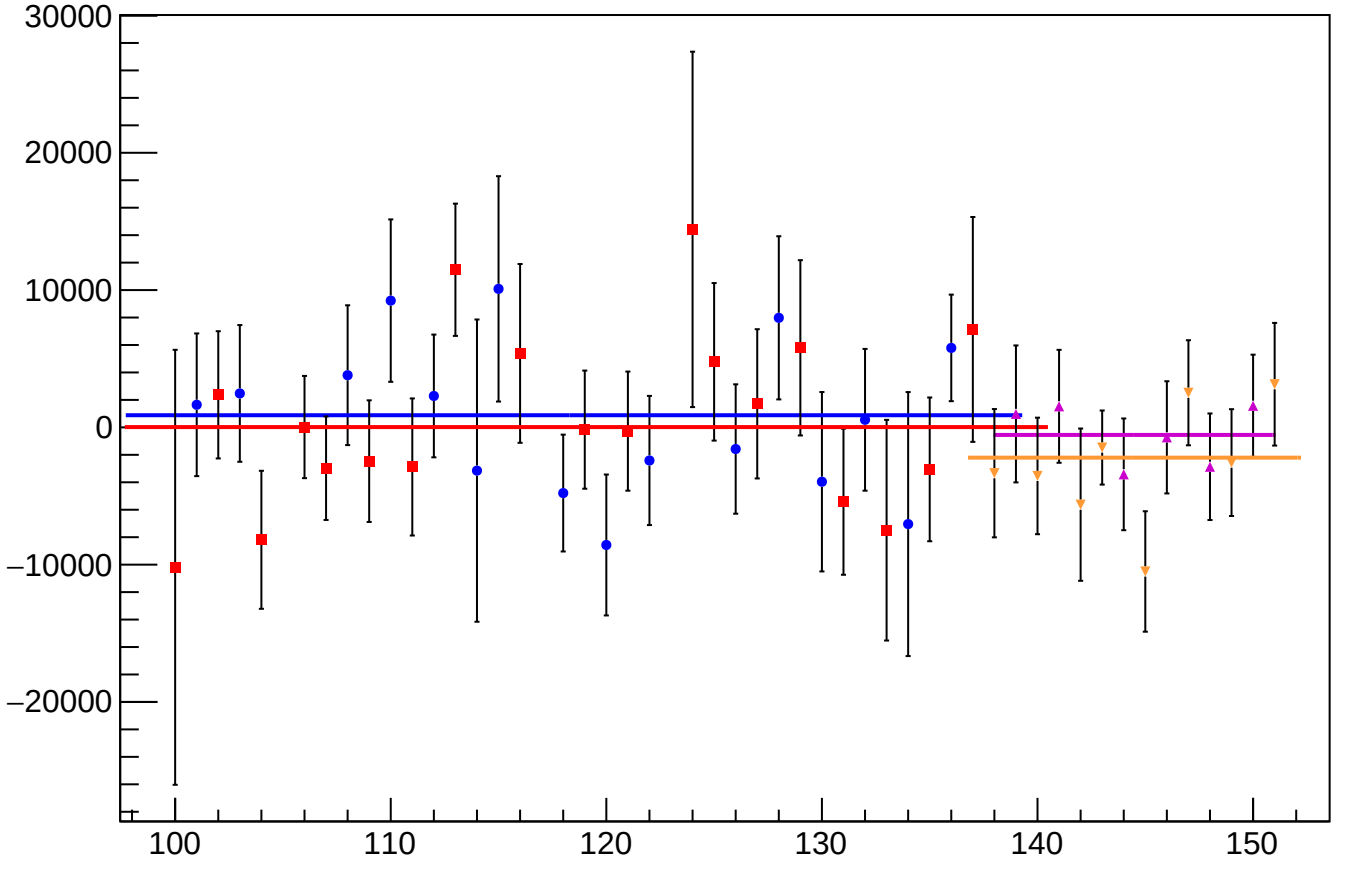
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.528+/-0.266 χ^2/NDF:531143.4/21

Out: 1278.529+/-0.248 χ^2/NDF:409053.9/26

All: 1295.754+/-0.182 χ^2/NDF: 950533.4/48

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: -2205.954+/-1403.447 χ^2/NDF:7.2/7

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -550.566+/-1670.990 χ^2/NDF:1.5/5

Left: -1521.232+/-1074.685 χ^2/NDF: 9.3/13

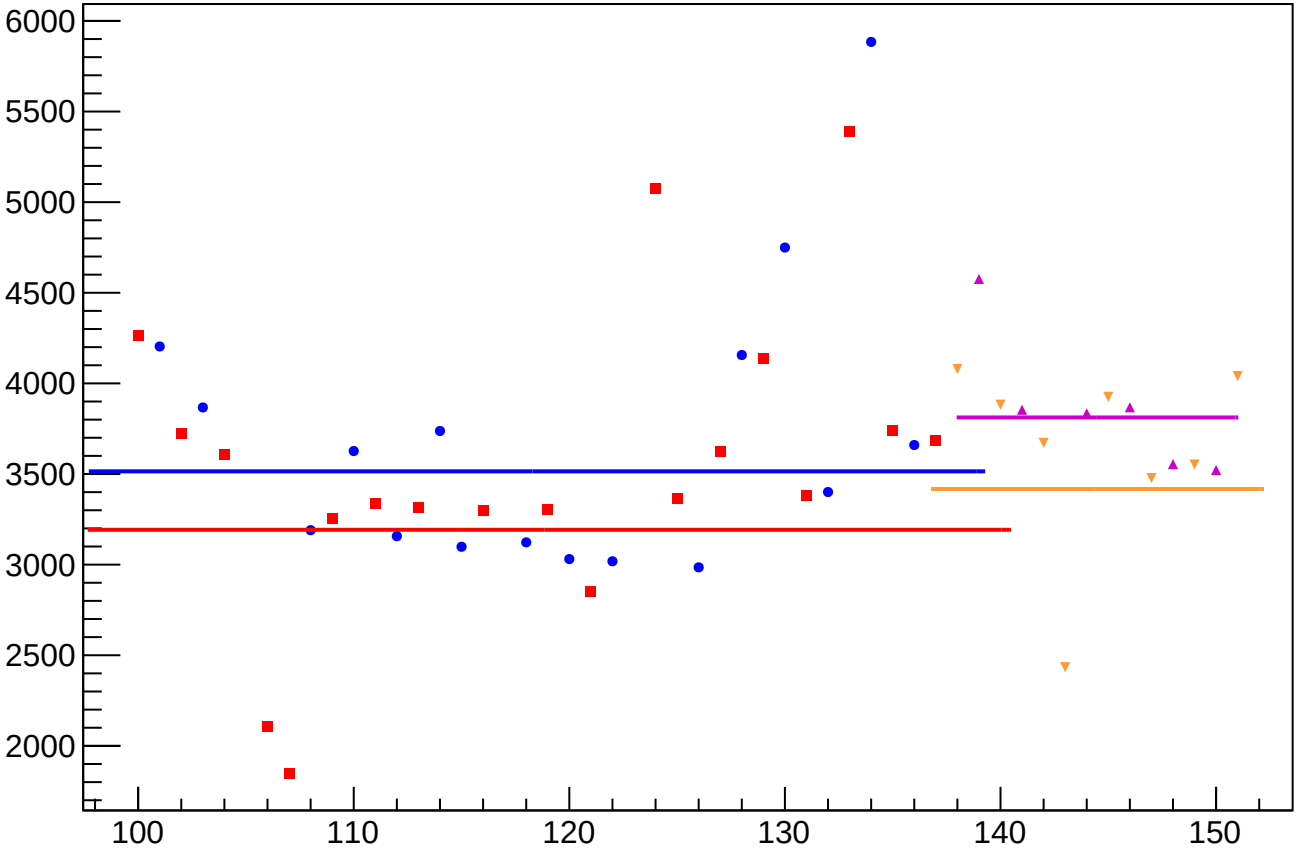
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 329.006+/-1039.367 χ^2/NDF:16.1/21

Out: -919.705+/-912.061 χ^2/NDF:25.4/26

All: -376.466+/-685.541 χ^2/NDF: 42.3/48

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3417.295+/-0.992 χ^2/NDF:402928.8/7

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3812.121+/-1.182 χ^2/NDF:68526.6/5

Left: 3580.608+/-0.760 χ^2/NDF: 536928.5/13

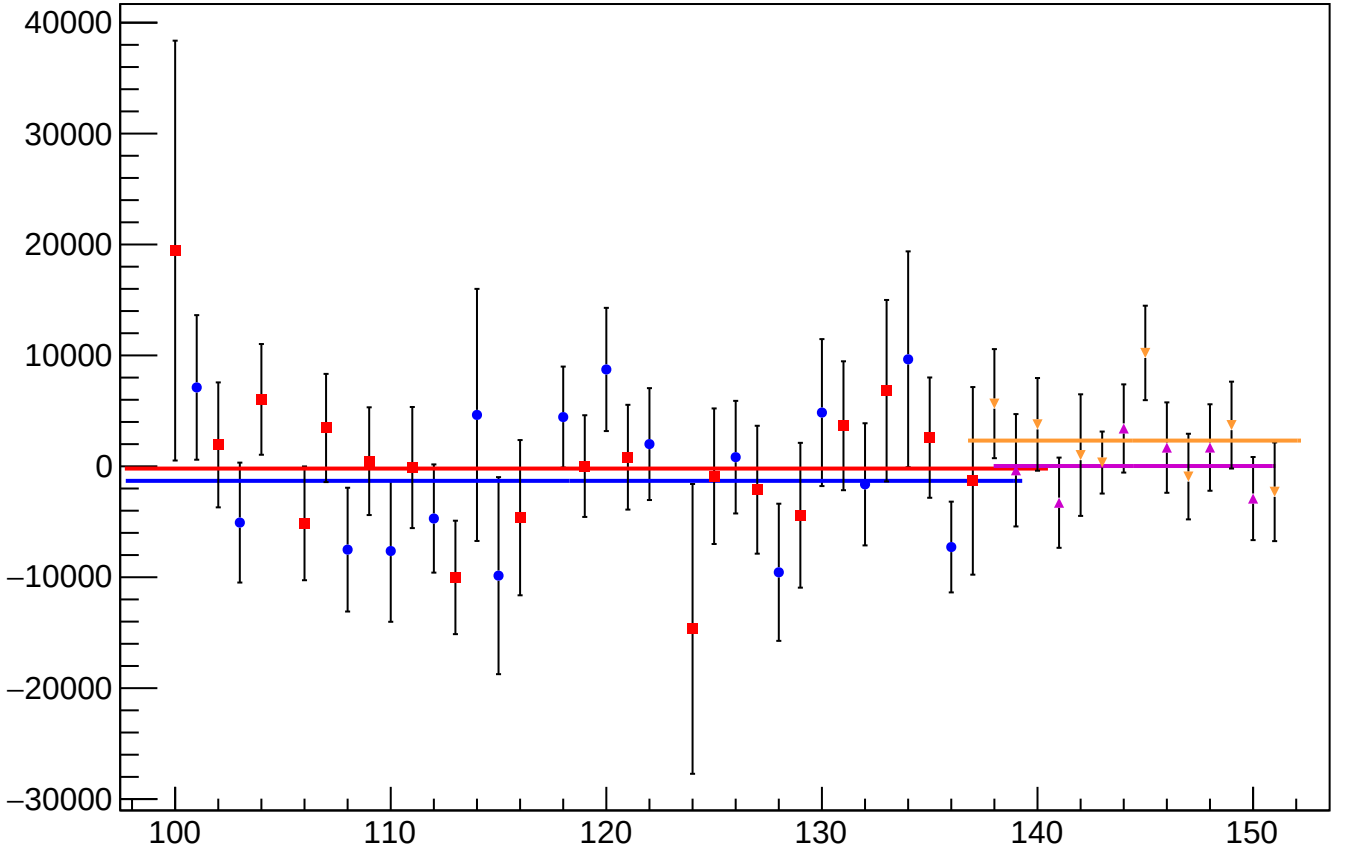
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3629.792+/-0.735 χ^2/NDF:482447.3/21

Out: 3287.263+/-0.645 χ^2/NDF:1205147.7/26

All: 3436.277+/-0.485 χ^2/NDF: 1810312.5/48

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2321.366+/-1417.221 χ^2/NDF:6.5/7

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 27.820+/-1666.900 χ^2/NDF:2.4/5

Left: 1359.061+/-1079.723 χ^2/NDF: 9.9/13

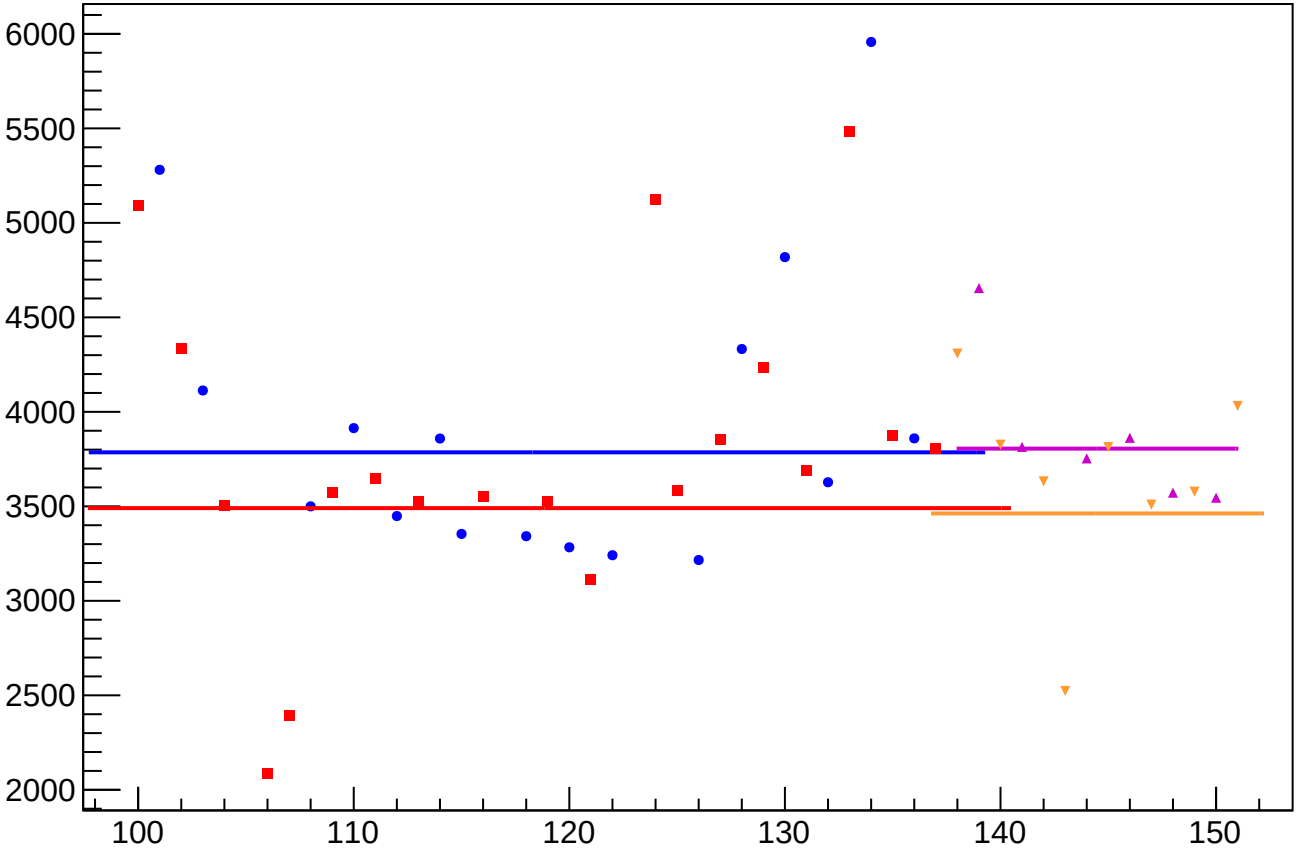
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -741.716+/-1086.051 χ^2/NDF:20.3/21

Out: 985.581+/-972.165 χ^2/NDF:19.8/26

All: 217.217+/-724.353 χ^2/NDF: 41.5/48

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: 3462.341+/-1.002 χ^2/NDF:350486.3/7

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3805.447+/-1.179 χ^2/NDF:73749.7/5

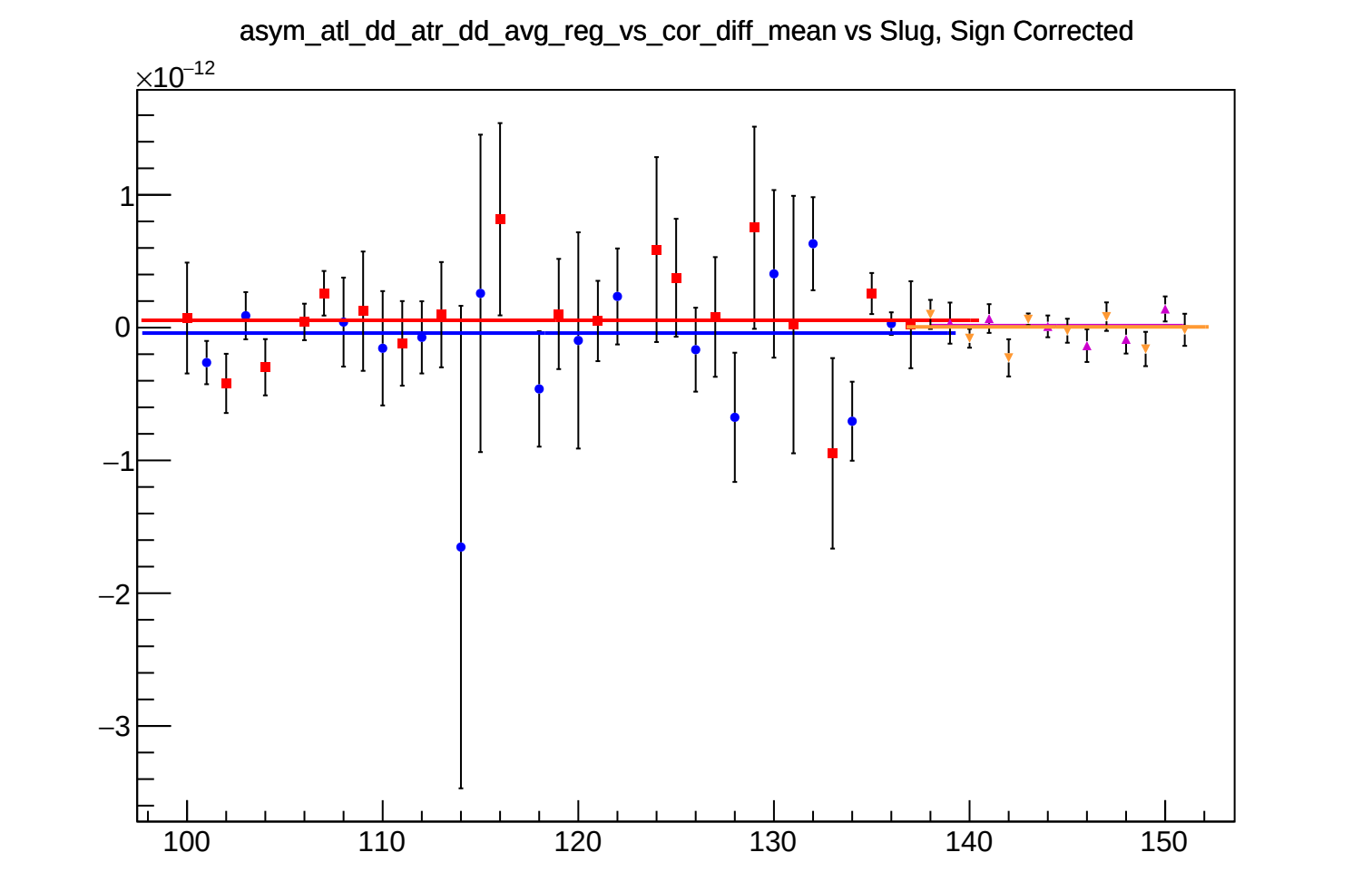
Left: 3606.298+/-0.763 χ^2/NDF: 473419.1/13

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3794.125+/-0.768 χ^2/NDF:456902.9/21

Out: 3477.503+/-0.682 χ^2/NDF:937628.2/26

All: 3617.206+/-0.510 χ^2/NDF: 1489514.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/5

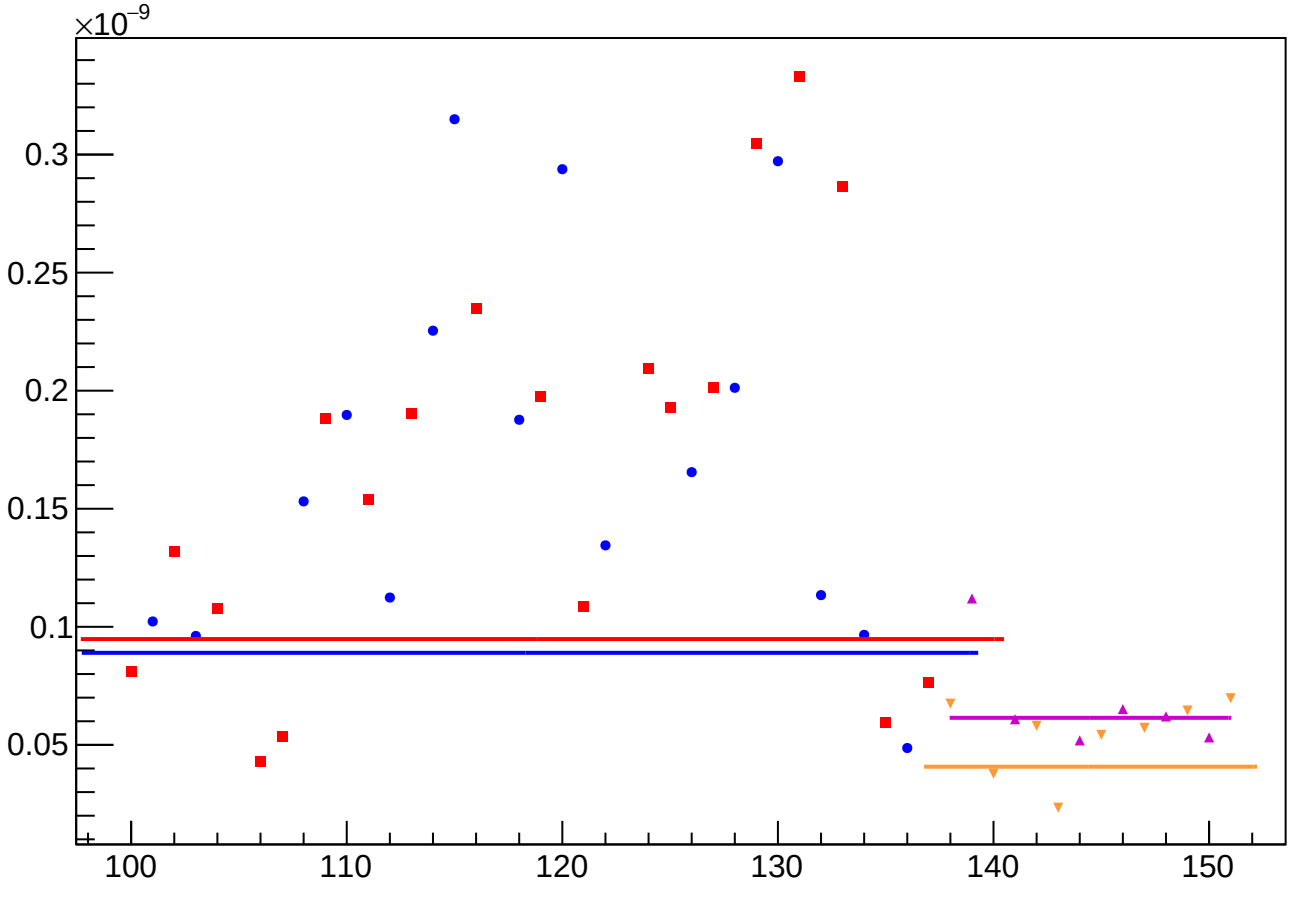
Left: 0.000+/-0.000 χ^2/NDF: 13.5/13

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:21.7/21

Out: 0.000+/-0.000 χ^2/NDF:25.4/26

All: 0.000+/-0.000 χ^2/NDF: 47.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:740129.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:257986.9/5

Left: 0.000+/-0.000 χ^2/NDF: 1316729.3/13

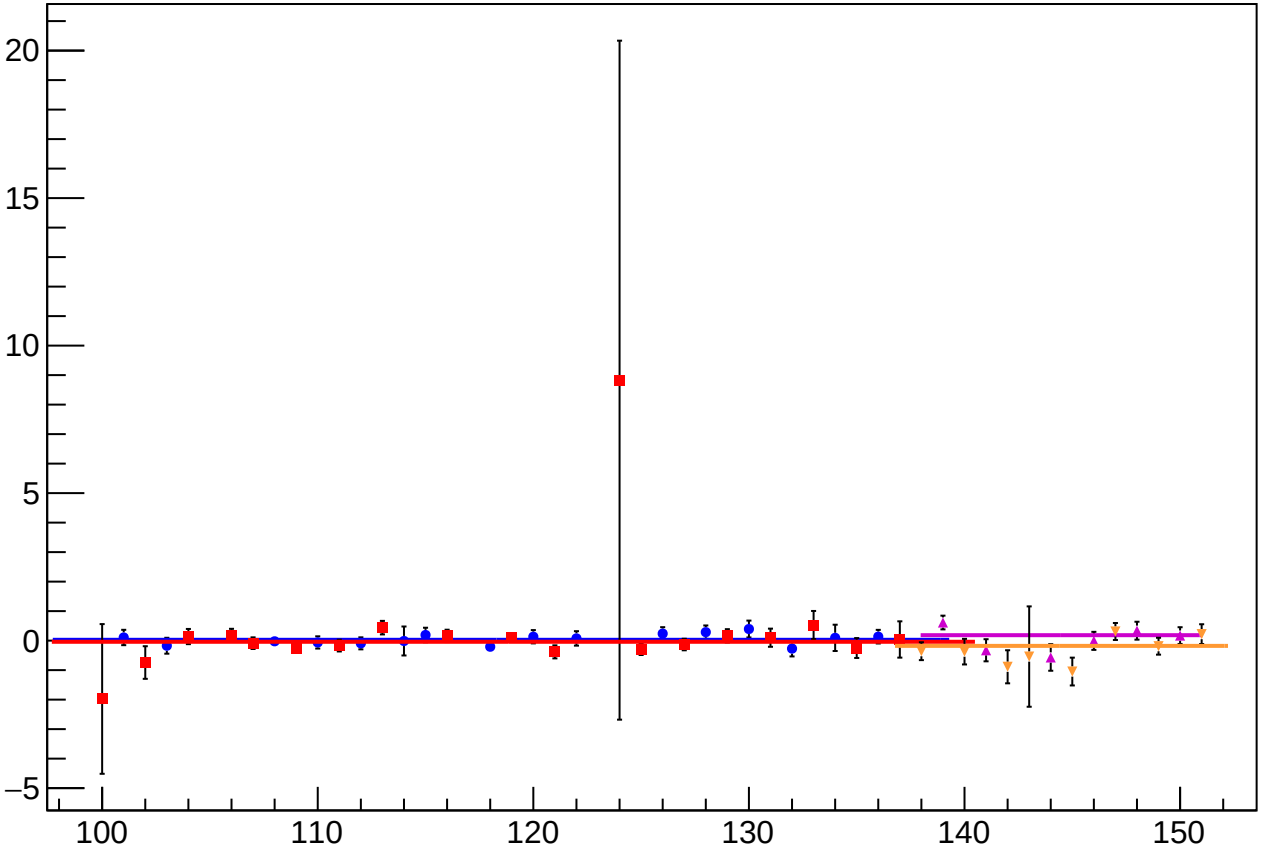
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2003084.3/21

Out: 0.000+/-0.000 χ^2/NDF:3659125.2/26

All: 0.000+/-0.000 χ^2/NDF: 6126519.3/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

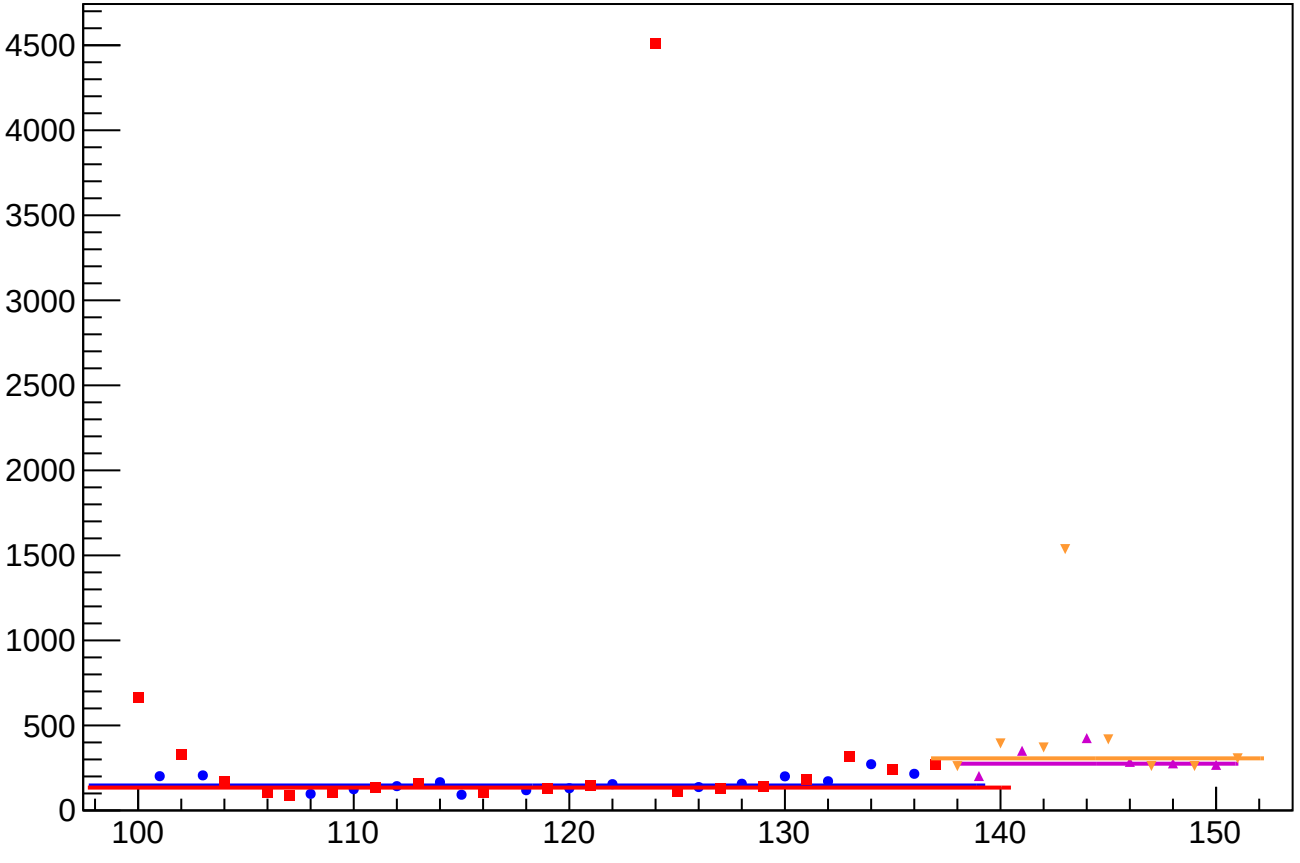
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.407+/-0.093 χ^2/NDF:1411618.5/7

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

Left: 289.795+/-0.064 χ^2/NDF: 1975112.6/13

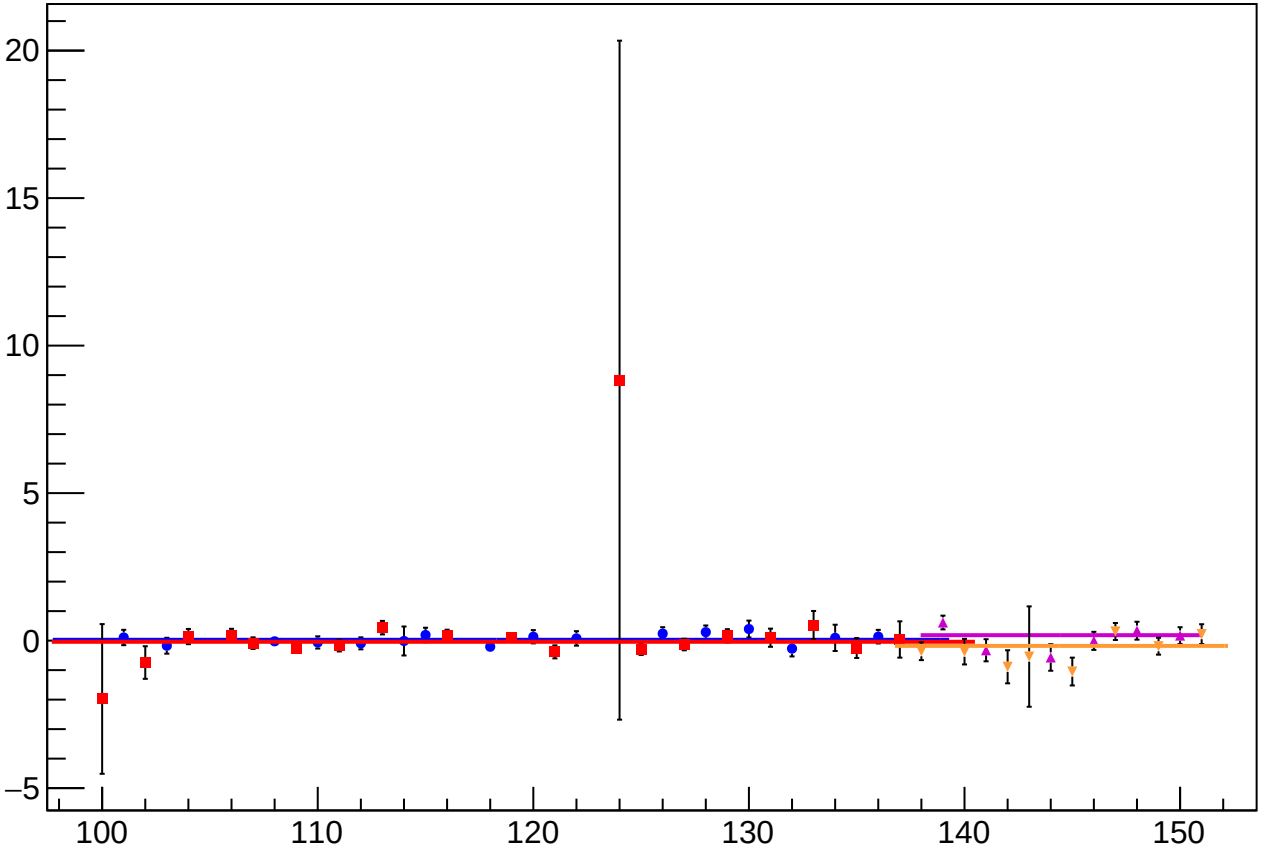
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 169.486+/-0.037 χ^2/NDF:3246465.4/21

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

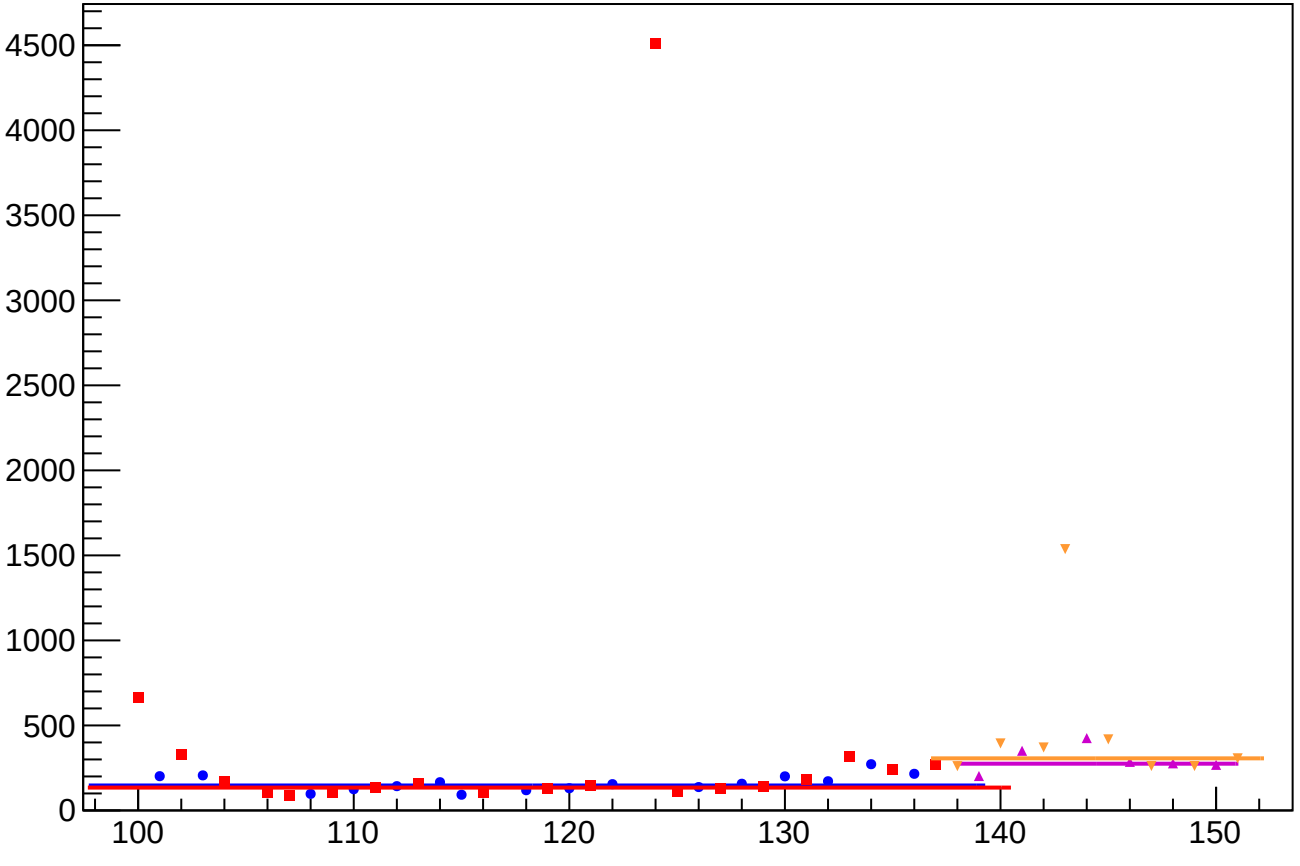
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.407+/-0.093 χ^2/NDF:1411618.5/7

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

Left: 289.795+/-0.064 χ^2/NDF: 1975112.6/13

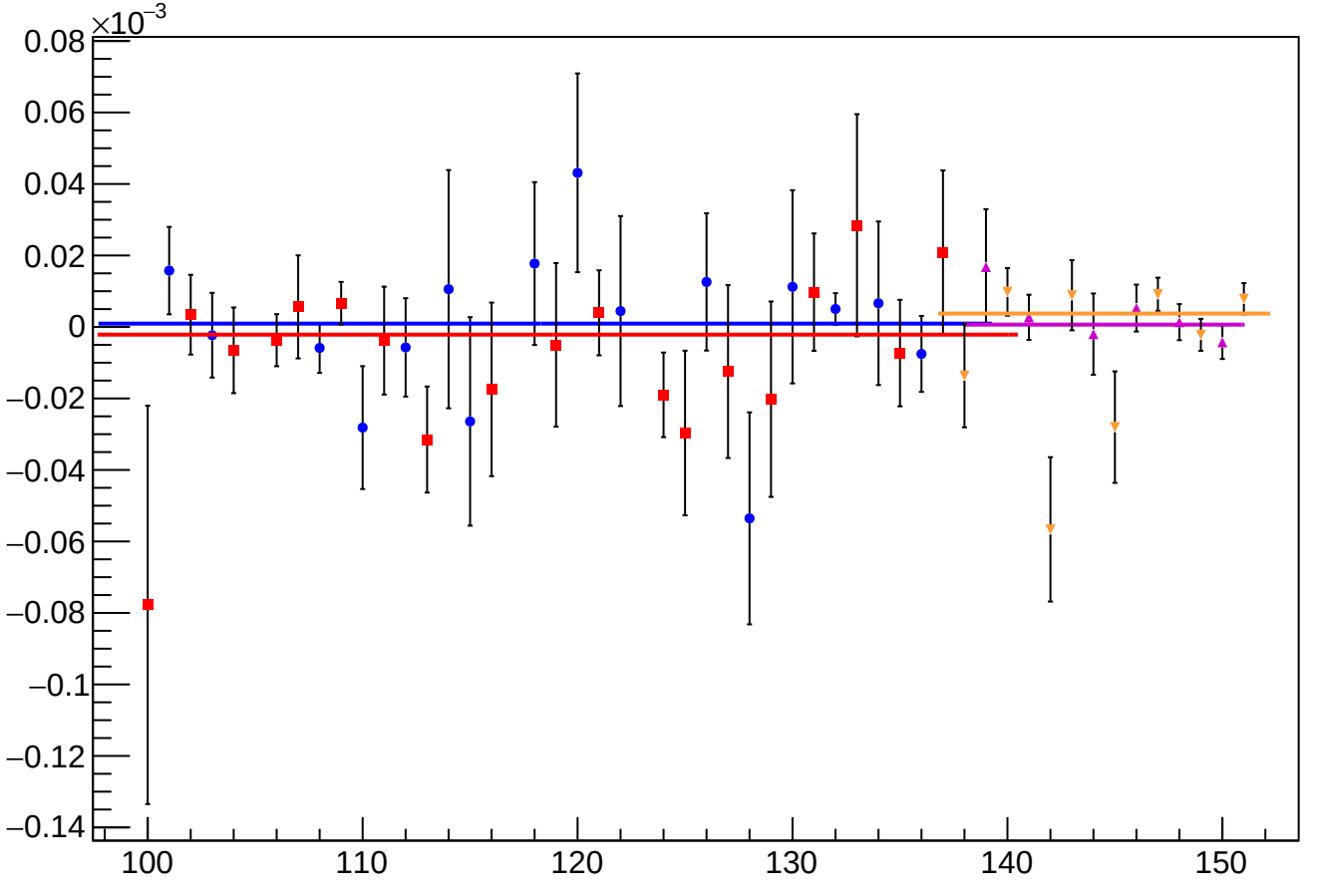
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 169.486+/-0.037 χ^2/NDF:3246465.4/21

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/5

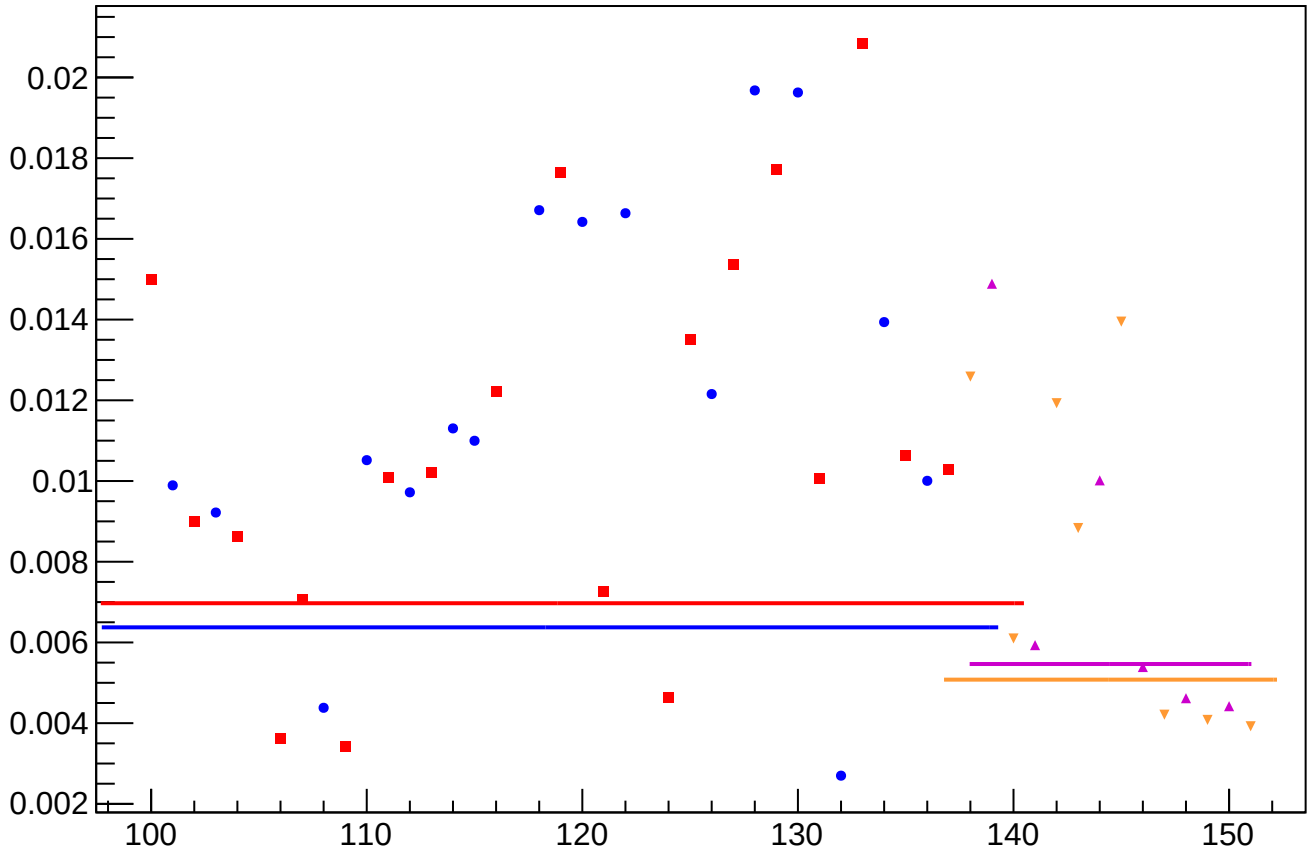
Left: 0.000+/-0.000 χ^2/NDF: 23.2/13

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:17.6/21

Out: 0.000+/-0.000 χ^2/NDF:38.2/26

All: 0.000+/-0.000 χ^2/NDF: 55.9/48



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2067666.8/7

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1164361.1/5

Left: 0.005+/-0.000 χ^2/NDF: 3256868.5/13

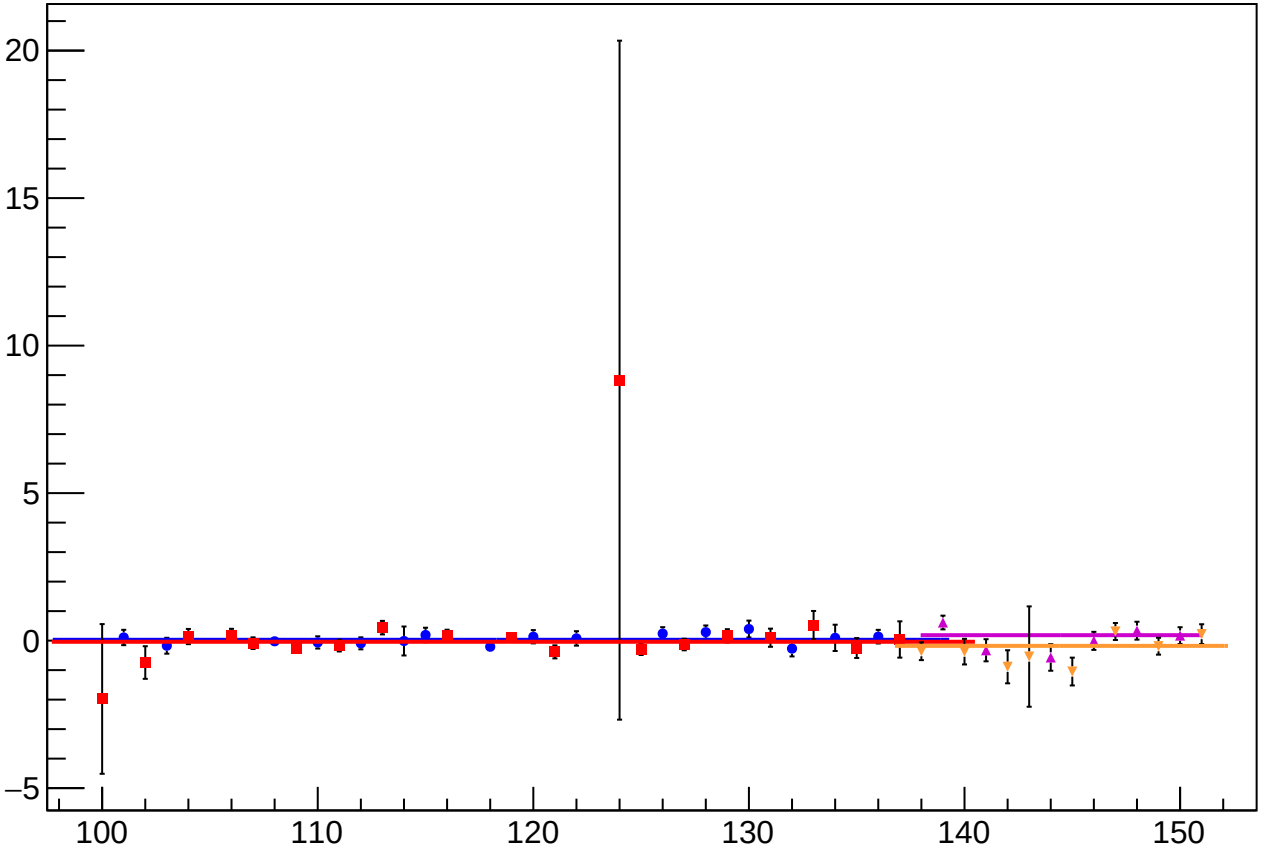
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:5910819.3/21

Out: 0.006+/-0.000 χ^2/NDF:5980677.1/26

All: 0.006+/-0.000 χ^2/NDF: 11894675.5/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

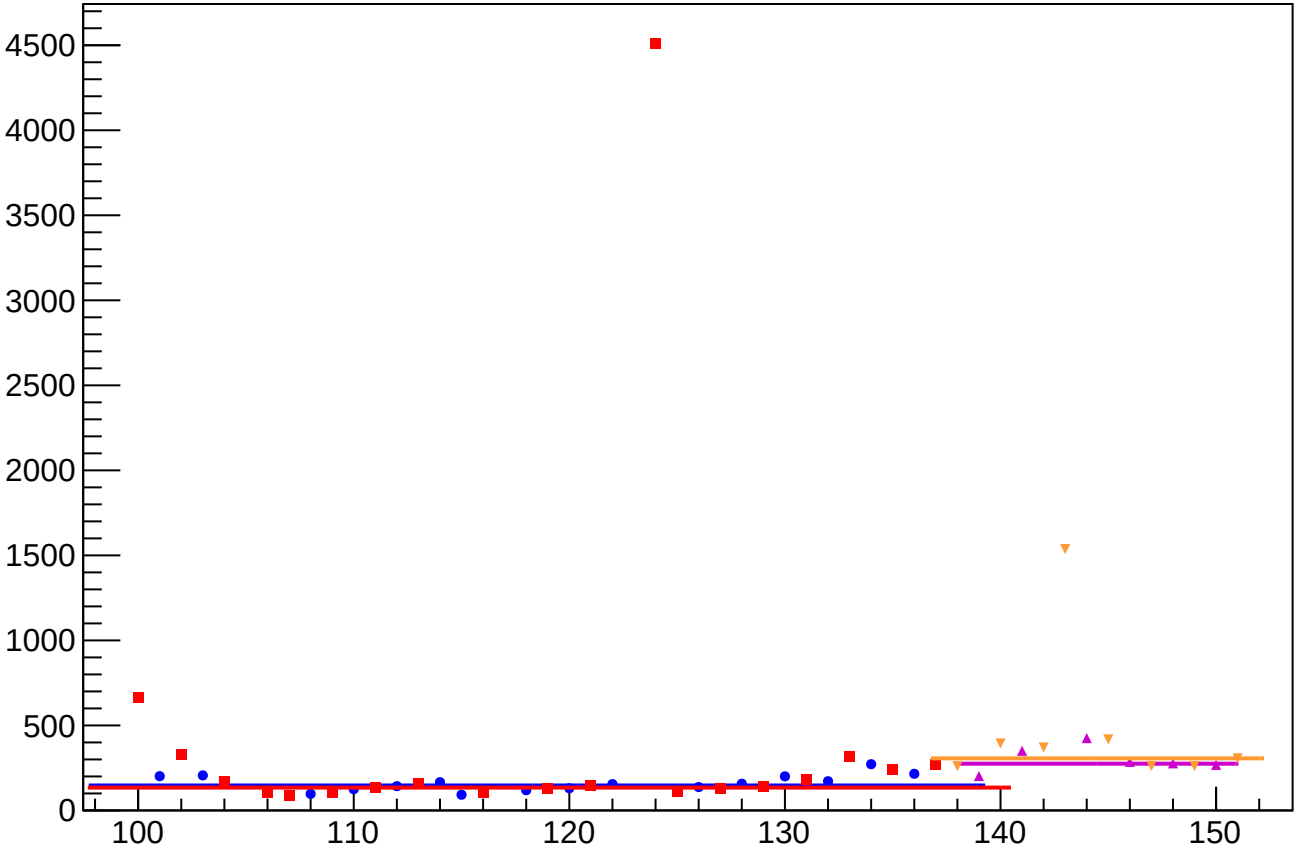
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

Left: 289.799+/-0.064 χ^2/NDF: 1975088.9/13

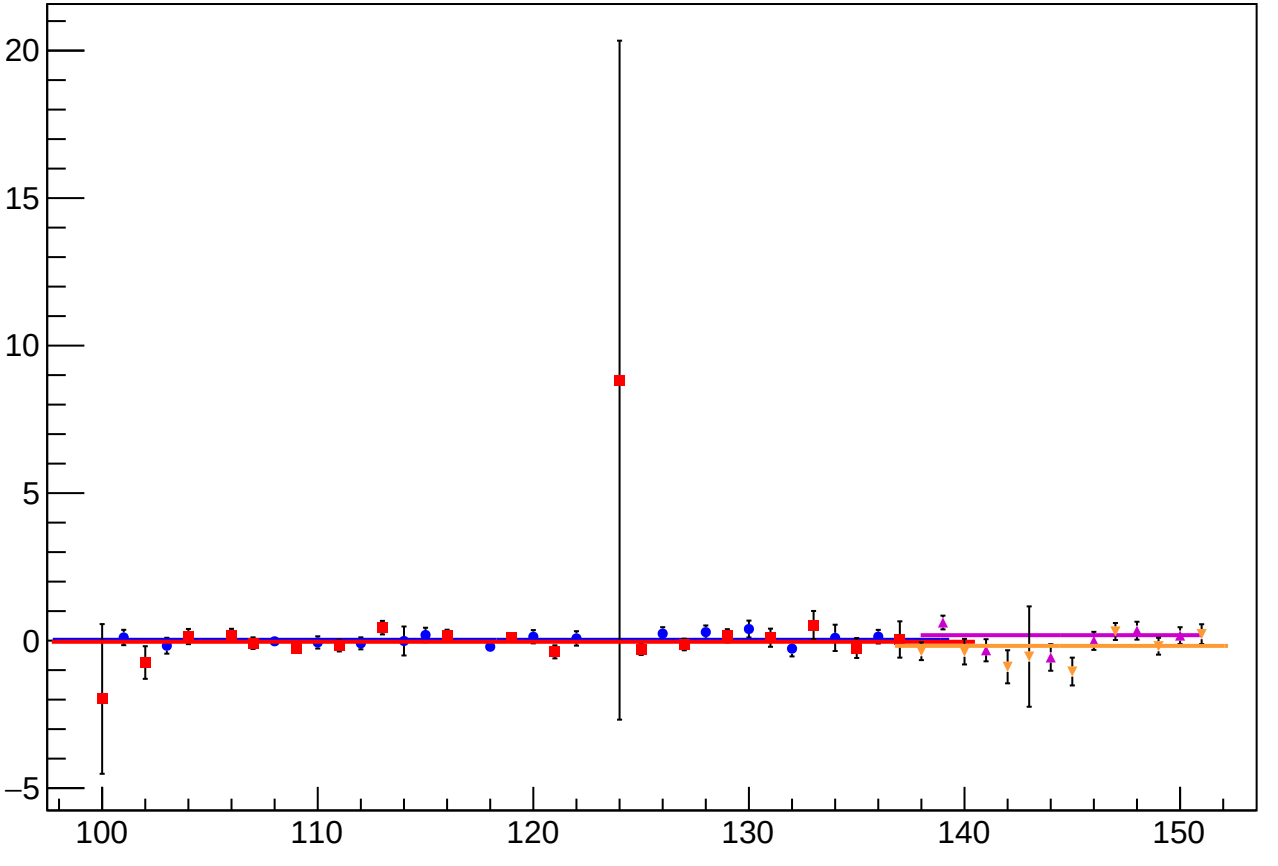
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 169.486+/-0.037 χ^2/NDF:3246460.9/21

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

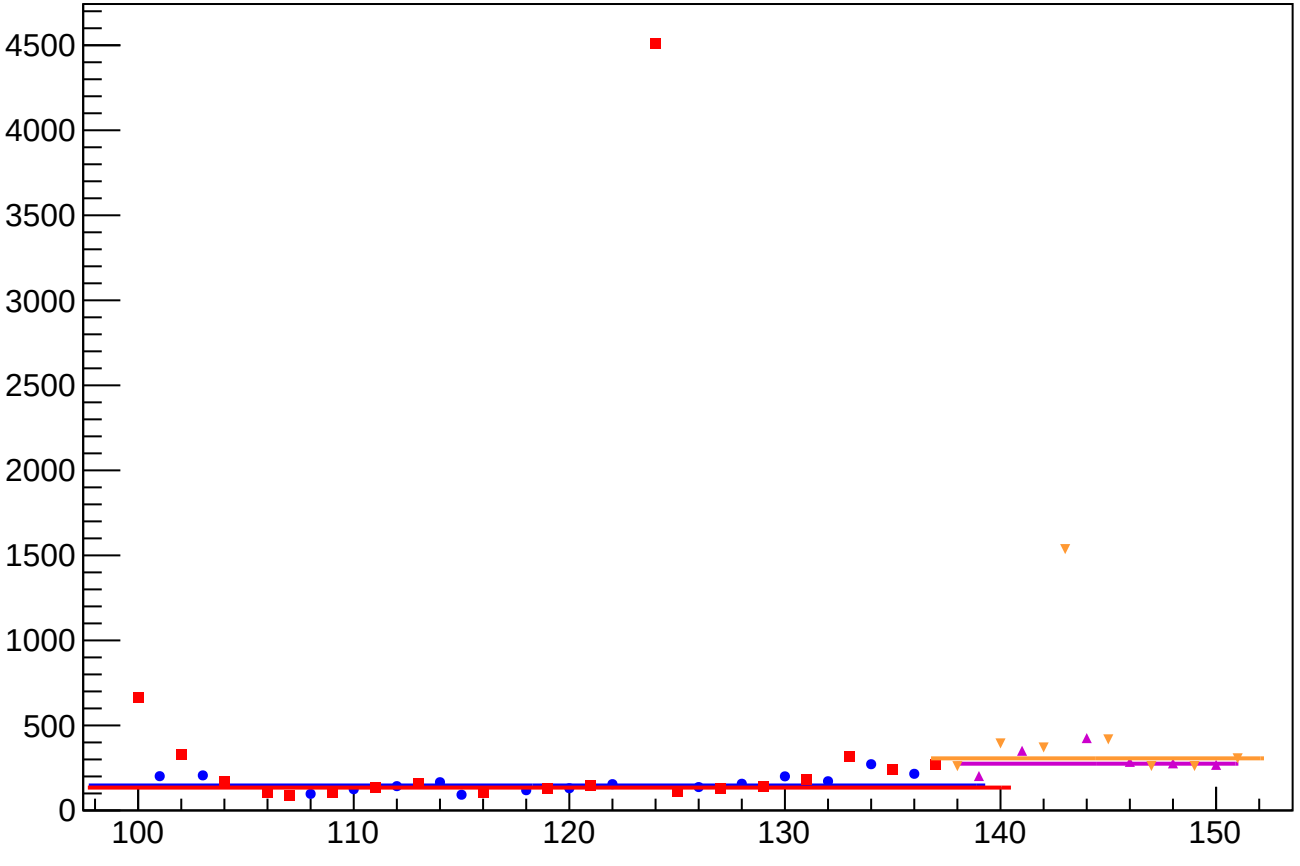
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

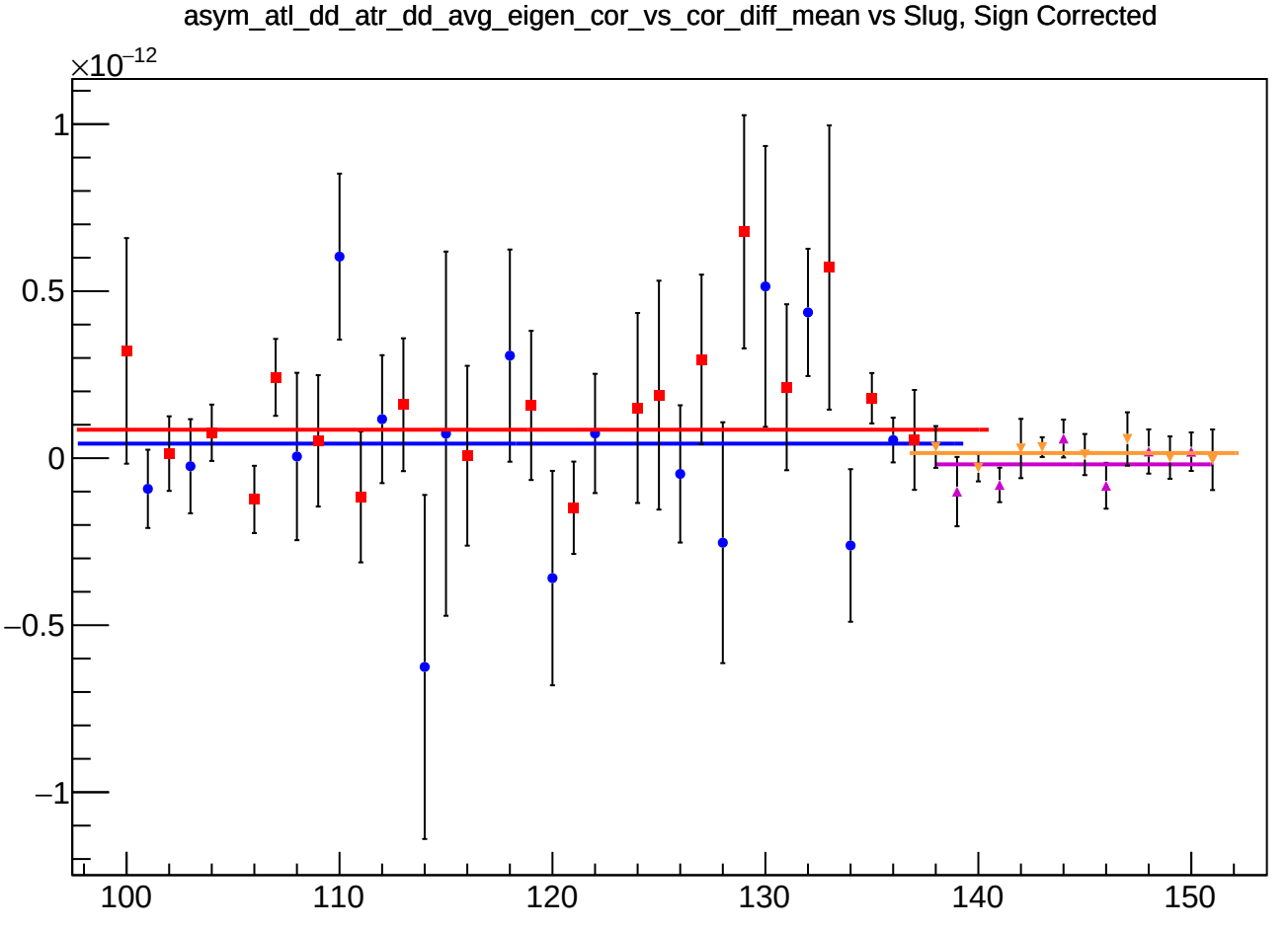
Left: 289.799+/-0.064 χ^2/NDF: 1975088.9/13

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 169.486+/-0.037 χ^2/NDF:3246460.9/21

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/5

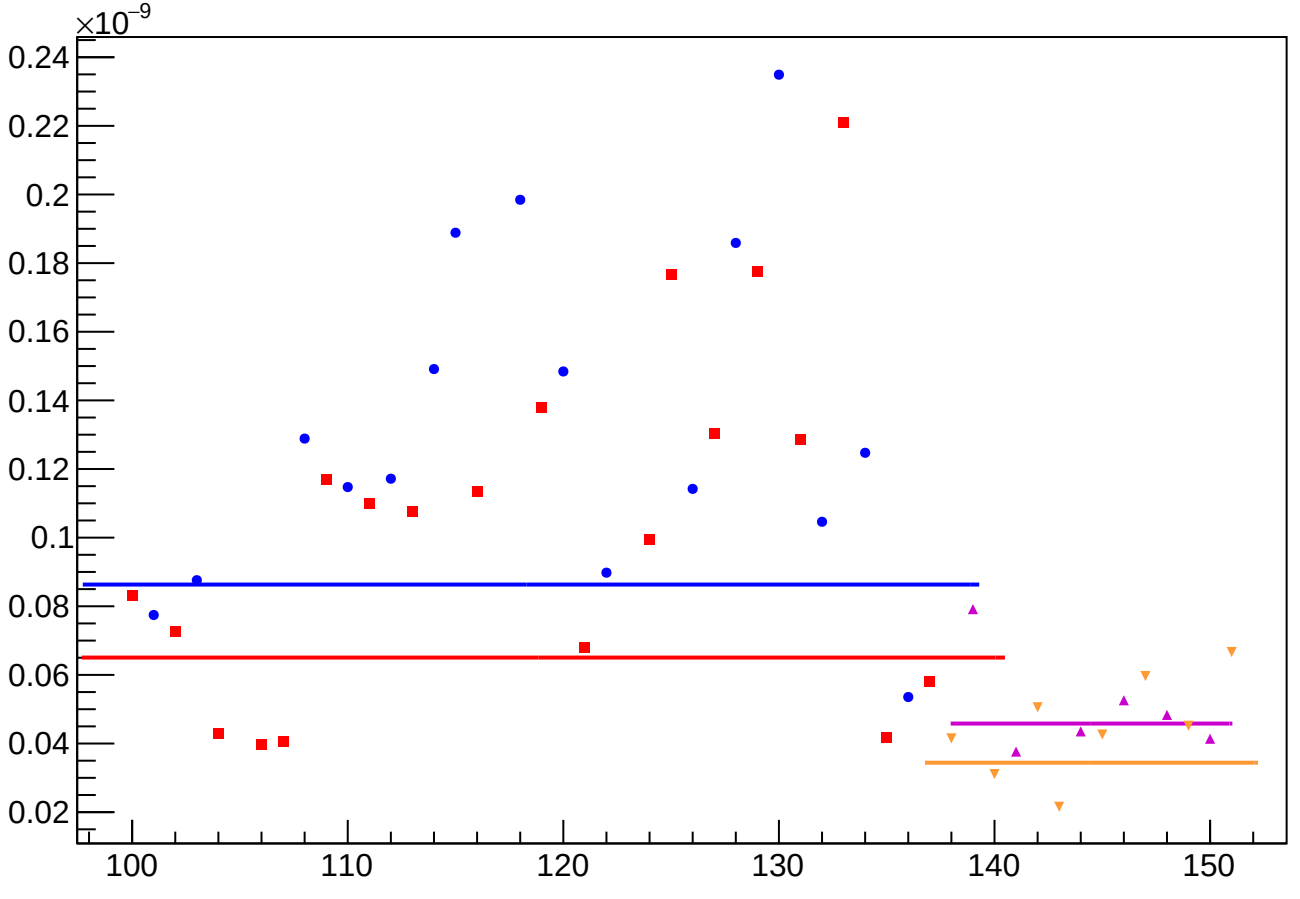
Left: 0.000+/-0.000 χ^2/NDF: 8.7/13

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.1/21

Out: 0.000+/-0.000 χ^2/NDF:23.4/26

All: 0.000+/-0.000 χ^2/NDF: 51.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:294185.6/5

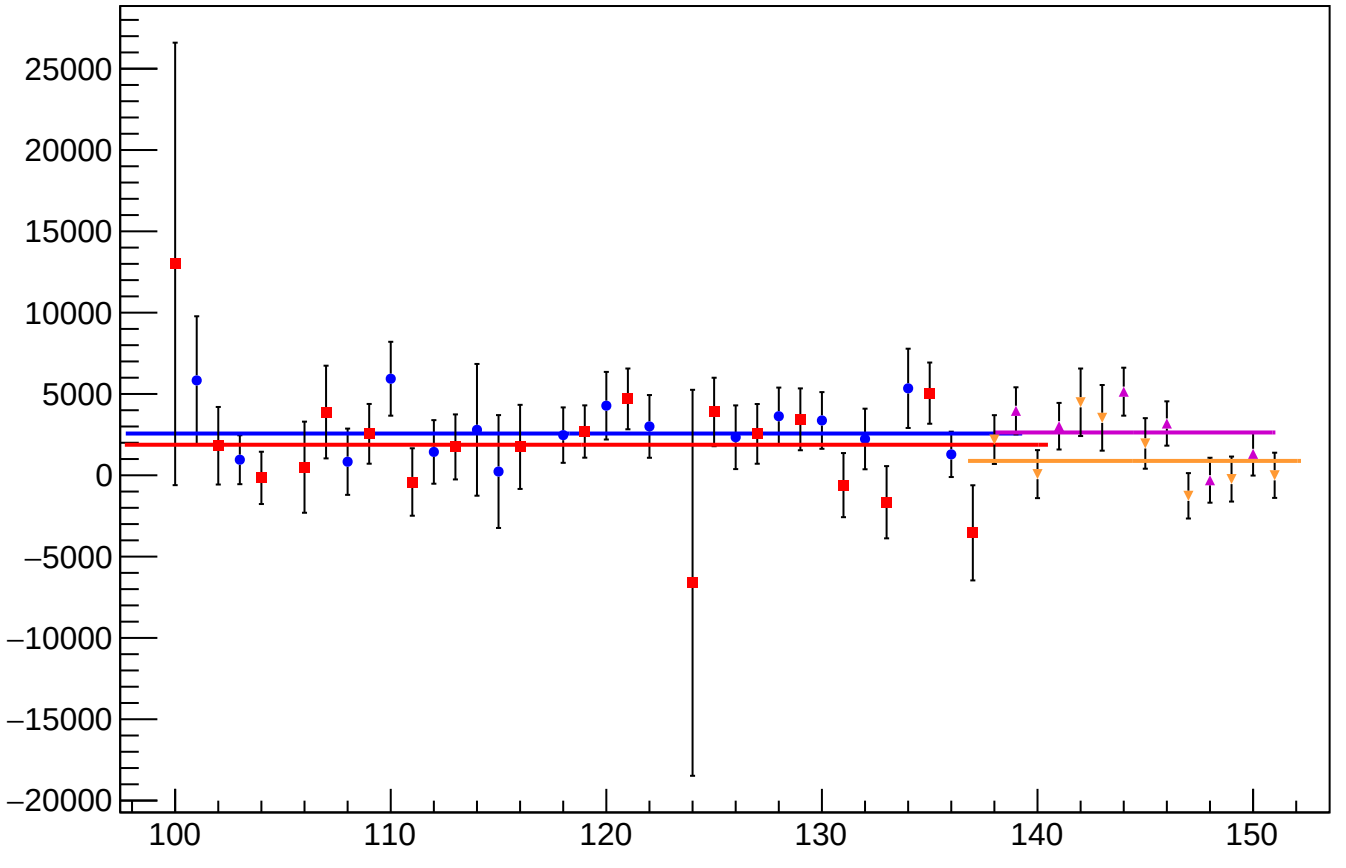
Left: 0.000+/-0.000 χ^2/NDF: 1580256.6/13

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3181917.9/21

Out: 0.000+/-0.000 χ^2/NDF:4423556.7/26

All: 0.000+/-0.000 χ^2/NDF: 8219396.9/48



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 883.946+/-546.481 χ^2/NDF:9.7/7

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2632.396+/-572.722 χ^2/NDF:9.5/5

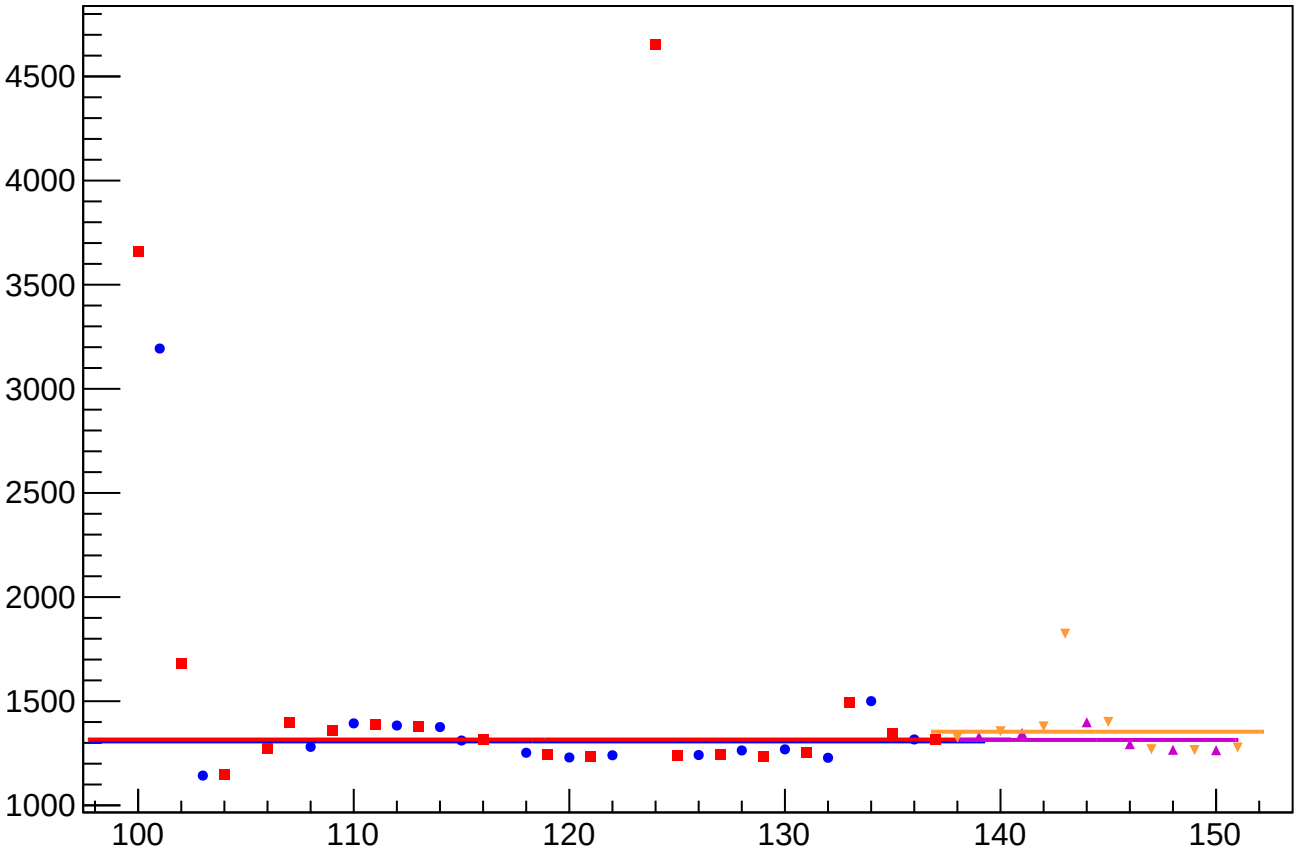
Left: 1717.198+/-395.372 χ^2/NDF: 24.0/13

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2595.249+/-374.663 χ^2/NDF:18.5/21

Out: 1430.285+/-366.757 χ^2/NDF:31.1/26

All: 2000.346+/-262.087 χ^2/NDF: 54.5/48



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1353.586+/-0.386 χ^2/NDF:132870.4/7

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1314.073+/-0.405 χ^2/NDF:13445.9/5

Left: 1334.756+/-0.280 χ^2/NDF: 151299.3/13

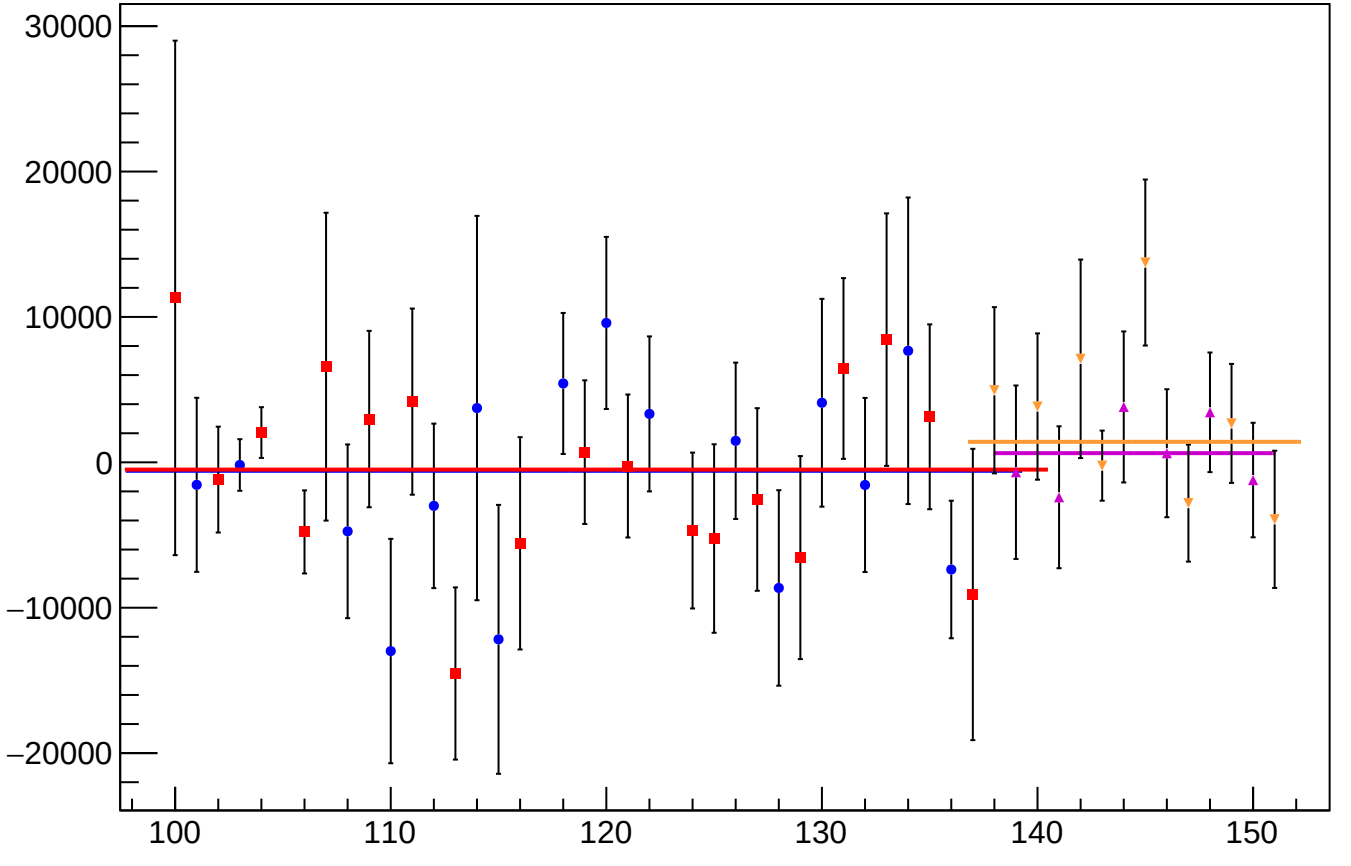
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1310.066+/-0.265 χ^2/NDF:529866.1/21

Out: 1332.878+/-0.259 χ^2/NDF:464503.2/26

All: 1321.732+/-0.185 χ^2/NDF: 998161.2/48

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 1409.211+/-1473.261 χ^2/NDF:8.9/7

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 631.700+/-1882.143 χ^2/NDF:1.5/5

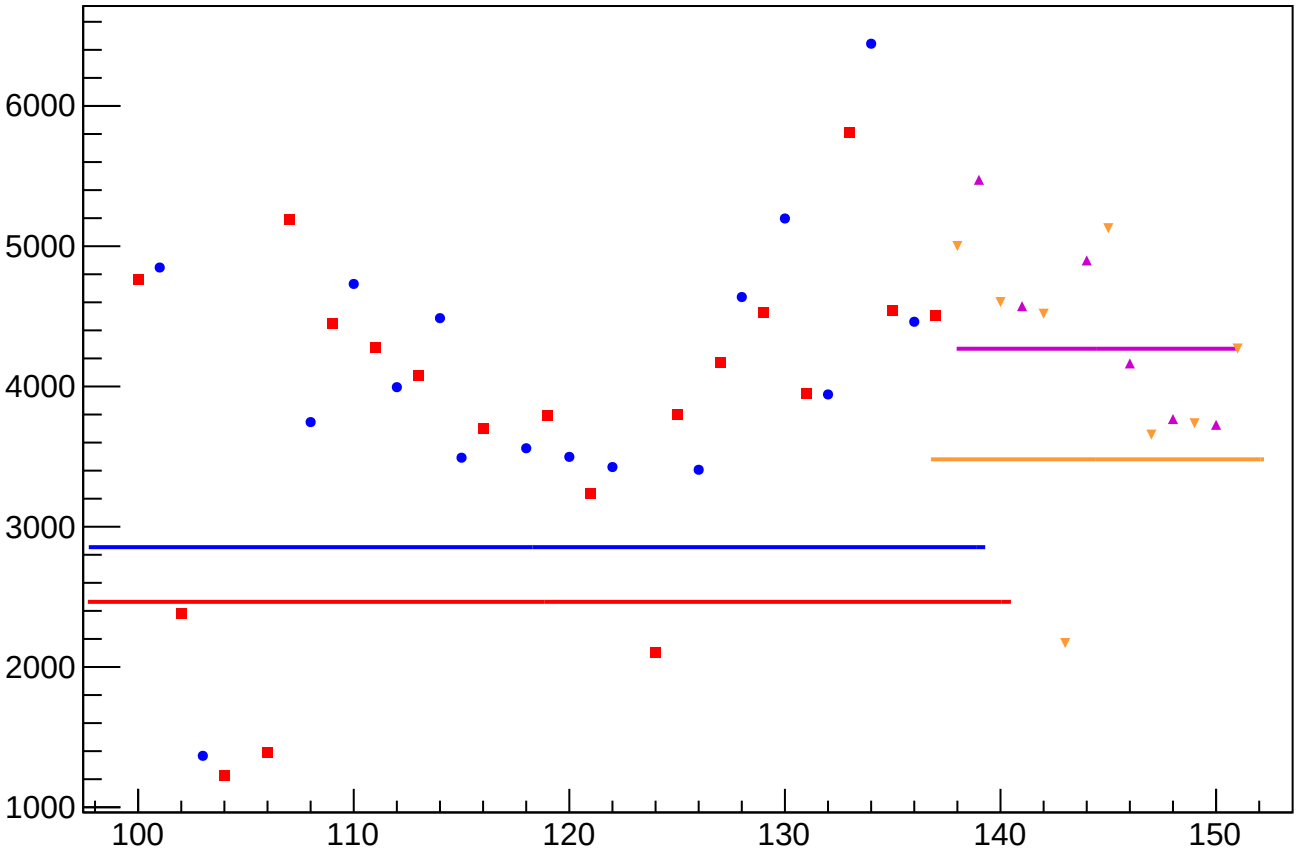
Left: 1113.815+/-1160.117 χ^2/NDF: 10.5/13

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -234.043+/-1007.550 χ^2/NDF:16.5/21

Out: 147.457+/-857.986 χ^2/NDF:27.7/26

All: -12.902+/-653.231 χ^2/NDF: 44.3/48



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3480.578+/-1.042 χ^2/NDF:1112165.1/7

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4269.082+/-1.331 χ^2/NDF:187363.1/5

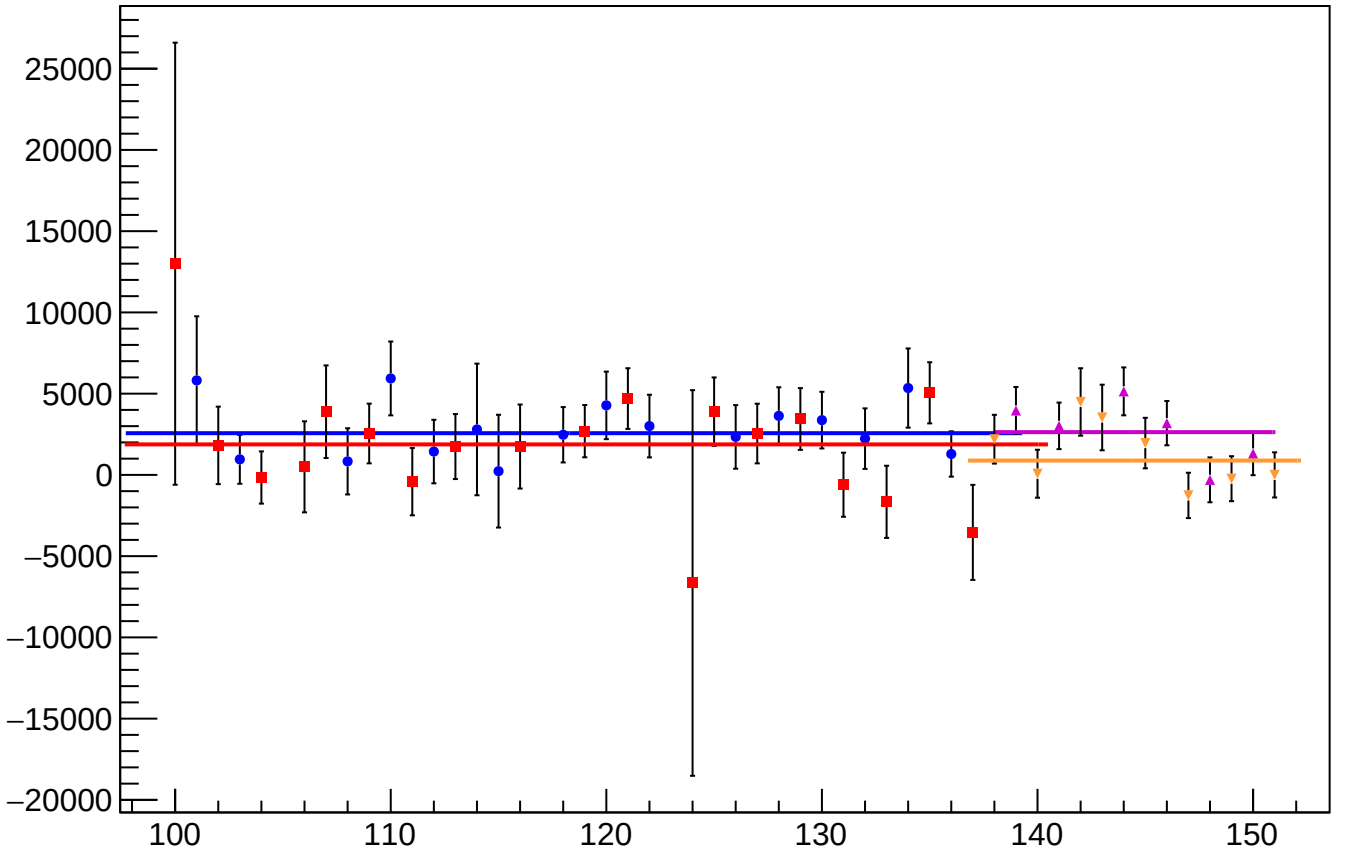
Left: 3780.151+/-0.820 χ^2/NDF: 1517187.0/13

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3259.731+/-0.712 χ^2/NDF:3898410.6/21

Out: 2809.171+/-0.607 χ^2/NDF:5096667.2/26

All: 2998.560+/-0.462 χ^2/NDF: 9226910.5/48



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 883.858+/-546.481 χ^2/NDF:9.7/7

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2632.600+/-572.722 χ^2/NDF:9.5/5

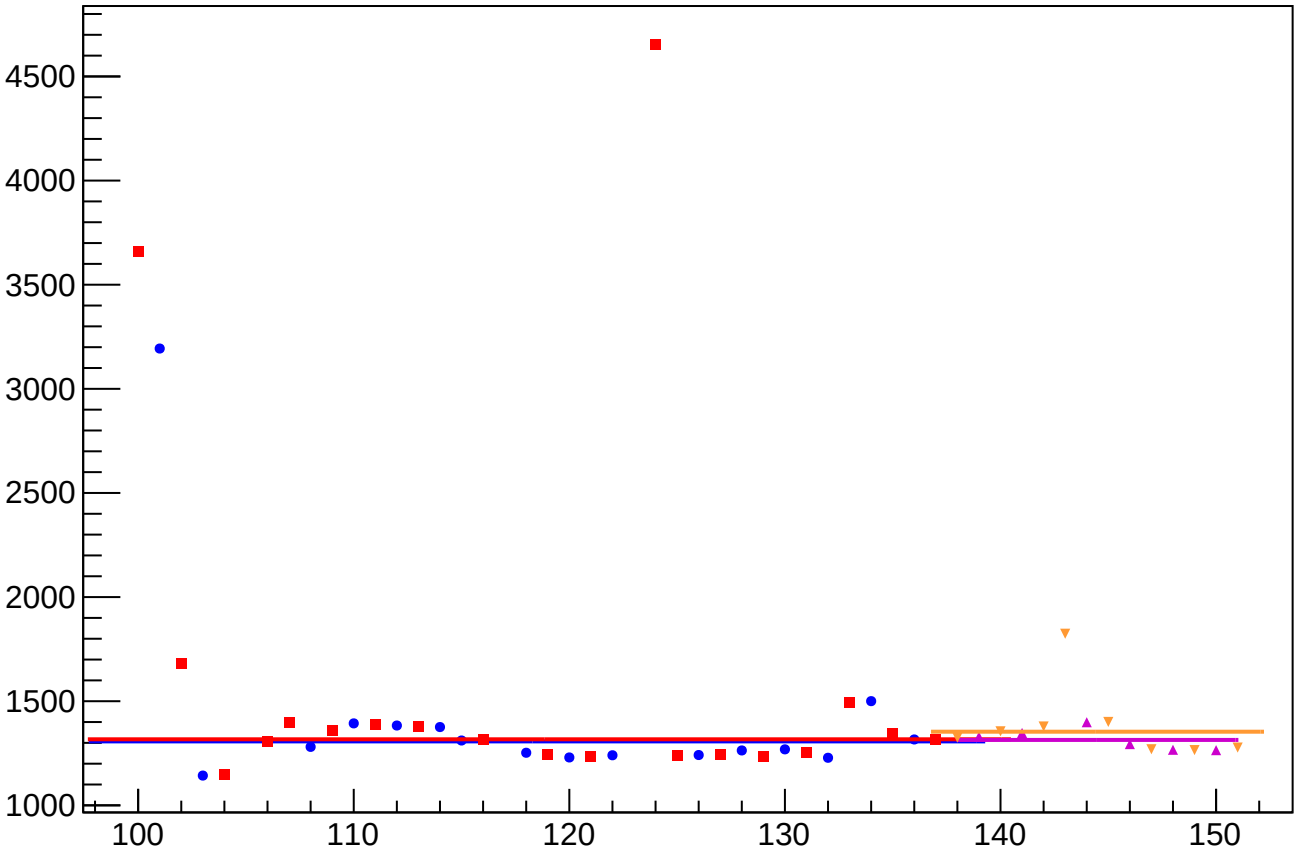
Left: 1717.249+/-395.372 χ^2/NDF: 24.1/13

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2595.176+/-374.663 χ^2/NDF:18.5/21

Out: 1430.105+/-366.757 χ^2/NDF:31.1/26

All: 2000.218+/-262.087 χ^2/NDF: 54.5/48



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1353.586+/-0.386 χ^2/NDF:132870.4/7

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1314.073+/-0.405 χ^2/NDF:13445.9/5

Left: 1334.756+/-0.280 χ^2/NDF: 151299.3/13

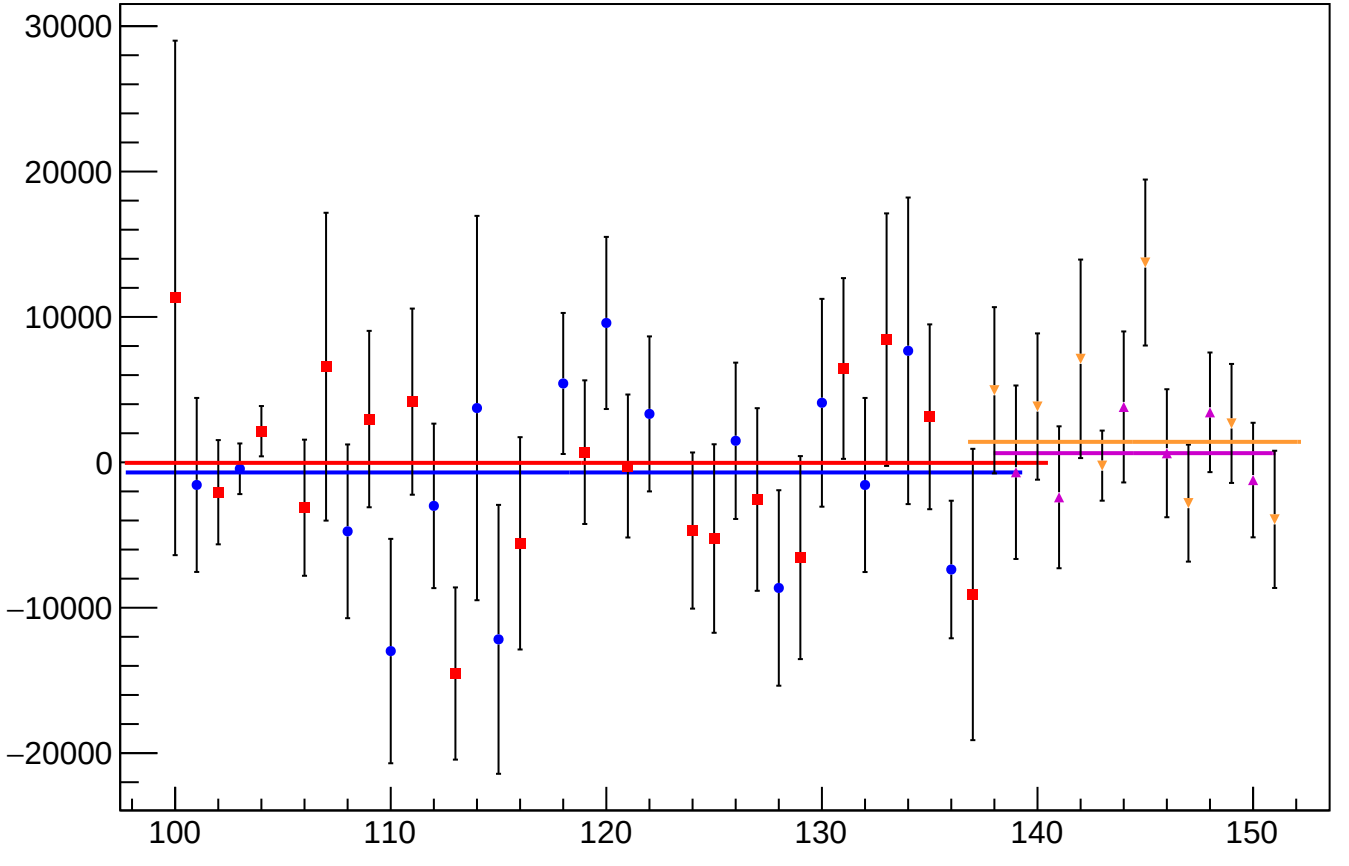
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1310.066+/-0.265 χ^2/NDF:529867.6/21

Out: 1333.515+/-0.259 χ^2/NDF:463697.9/26

All: 1322.053+/-0.185 χ^2/NDF: 997570.3/48

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: 1409.156+/-1473.253 χ^2/NDF:8.9/7

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 631.769+/-1882.142 χ^2/NDF:1.5/5

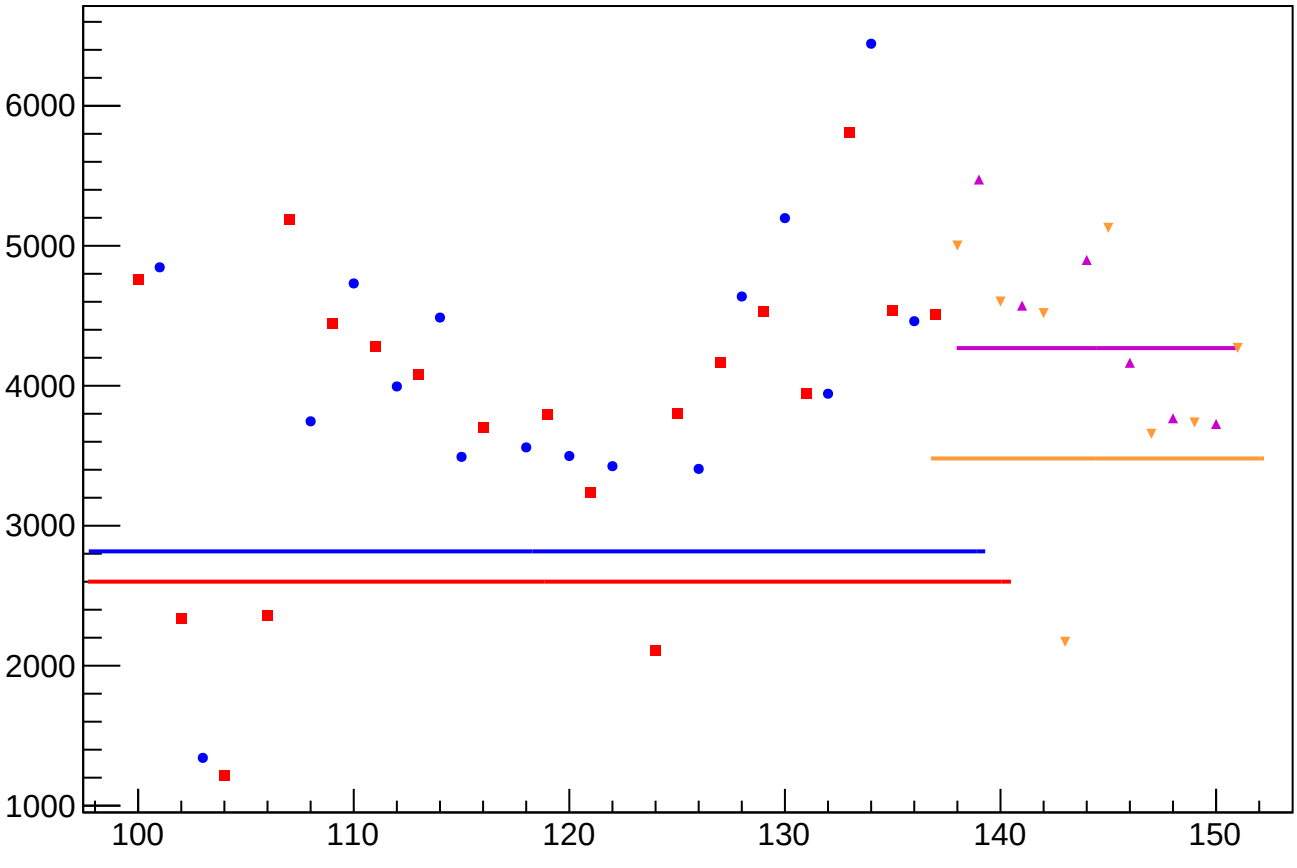
Left: 1113.809+/-1160.113 χ^2/NDF: 10.5/13

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -319.715+/-1001.241 χ^2/NDF:16.5/21

Out: 480.119+/-880.493 χ^2/NDF:25.5/26

All: 131.316+/-661.194 χ^2/NDF: 42.4/48



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3480.552+/-1.042 χ^2/NDF:1112201.1/7

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4269.080+/-1.331 χ^2/NDF:187363.8/5

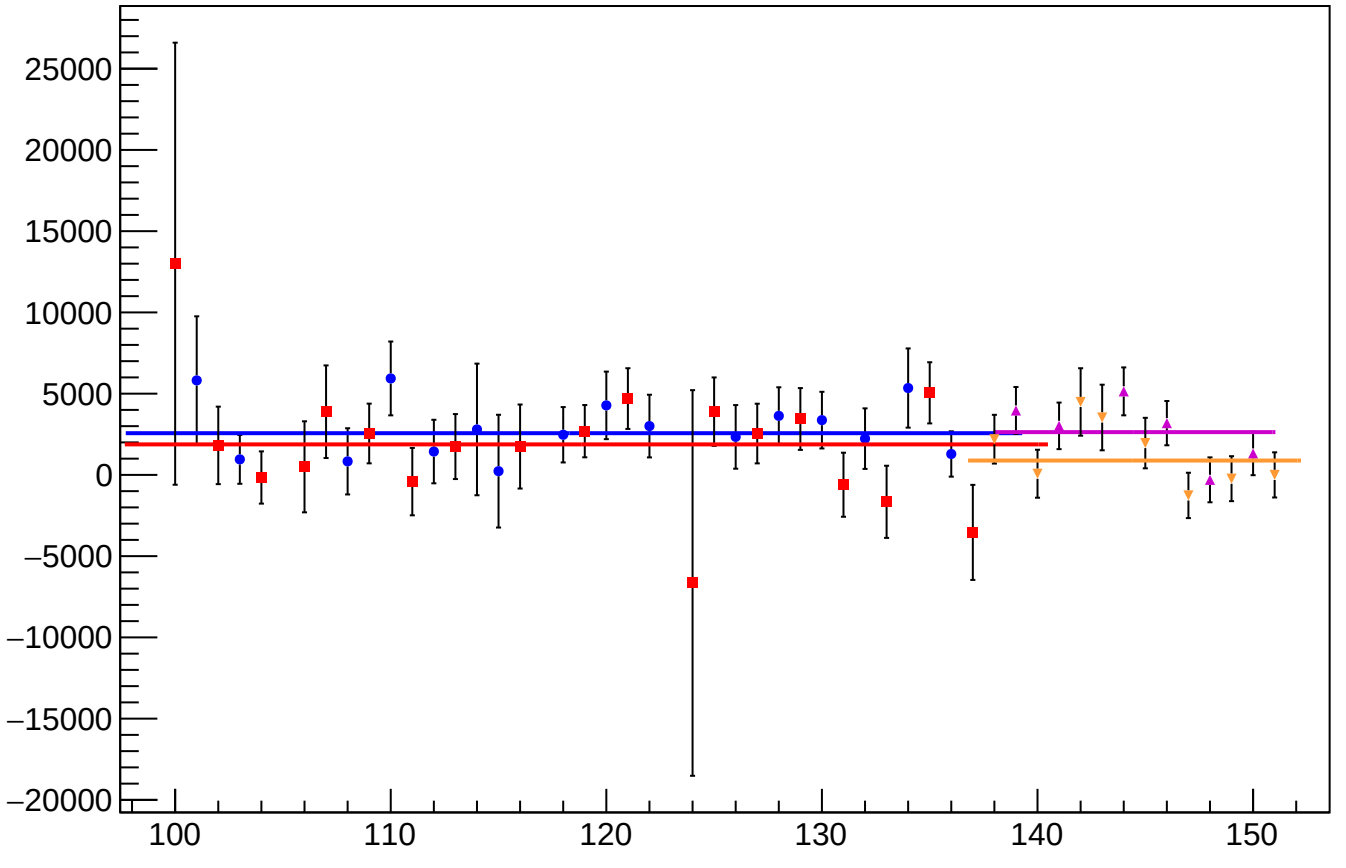
Left: 3780.132+/-0.820 χ^2/NDF: 1517238.3/13

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3227.770+/-0.708 χ^2/NDF:4048741.8/21

Out: 2914.860+/-0.623 χ^2/NDF:4651697.4/26

All: 3051.319+/-0.468 χ^2/NDF: 8810592.9/48



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 883.858+/-546.481 χ^2/NDF:9.7/7

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2632.600+/-572.722 χ^2/NDF:9.5/5

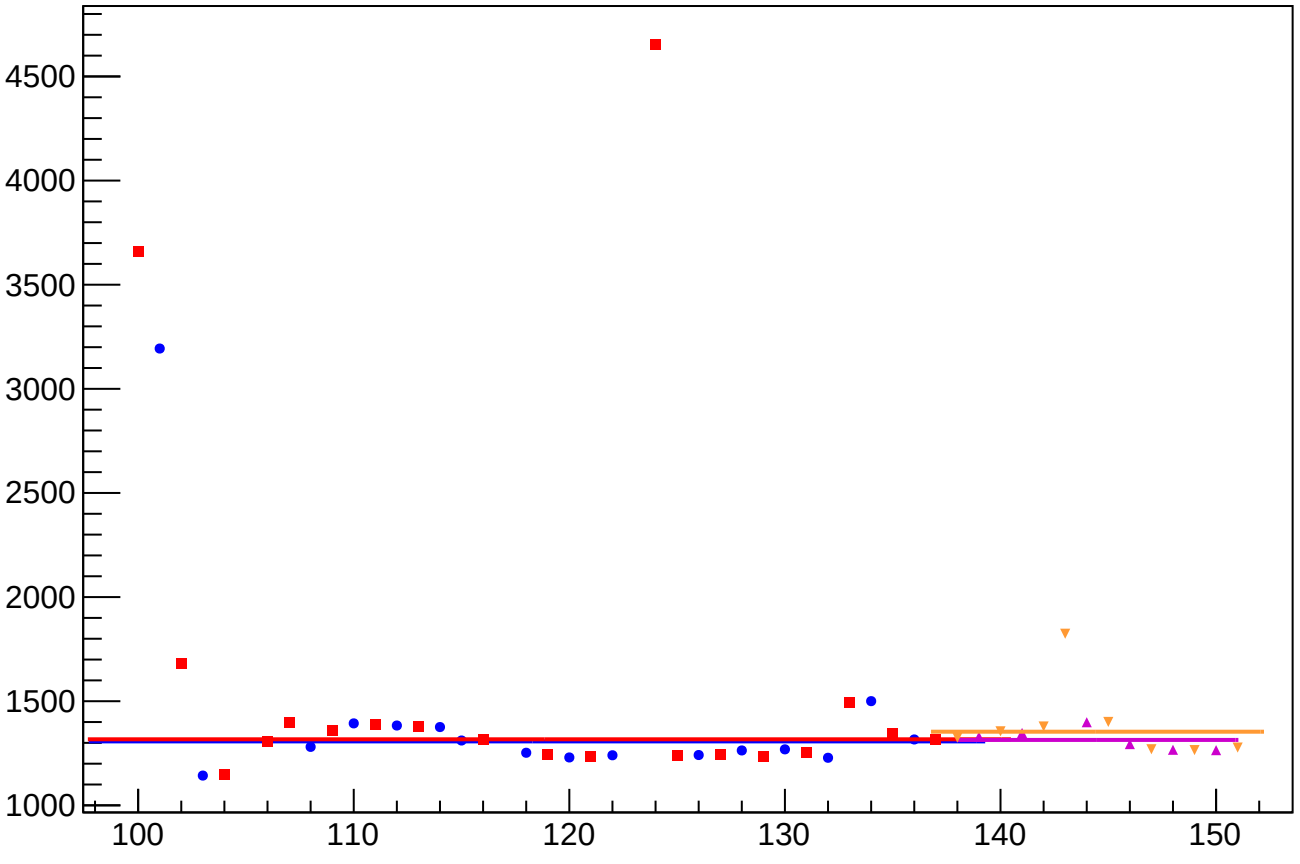
Left: 1717.249+/-395.372 χ^2/NDF: 24.1/13

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2595.176+/-374.663 χ^2/NDF:18.5/21

Out: 1430.105+/-366.757 χ^2/NDF:31.1/26

All: 2000.218+/-262.087 χ^2/NDF: 54.5/48



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1353.586+/-0.386 χ^2/NDF:132870.4/7

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1314.073+/-0.405 χ^2/NDF:13445.9/5

Left: 1334.756+/-0.280 χ^2/NDF: 151299.3/13

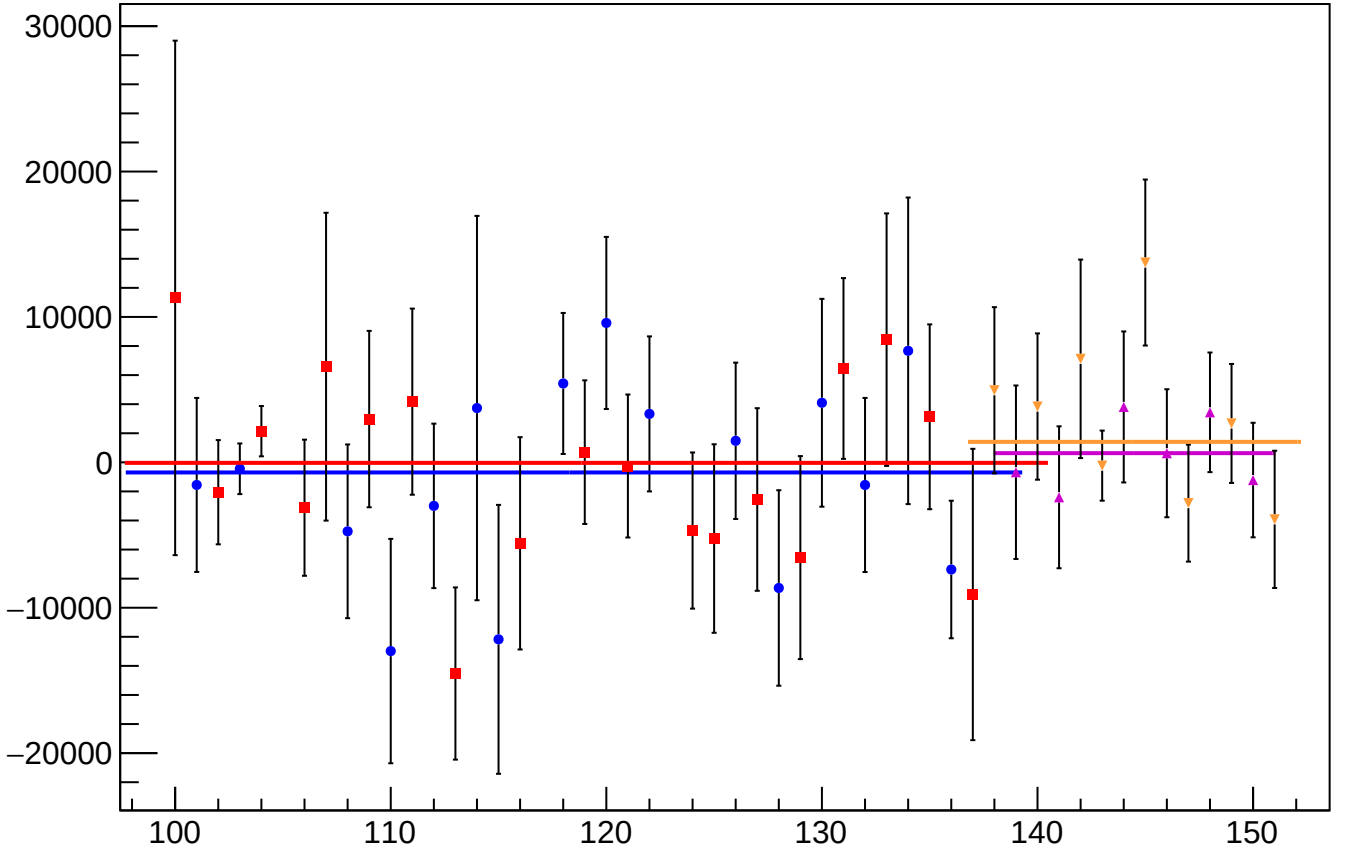
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1310.066+/-0.265 χ^2/NDF:529867.6/21

Out: 1333.515+/-0.259 χ^2/NDF:463697.9/26

All: 1322.053+/-0.185 χ^2/NDF: 997570.3/48

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: 1409.156+/-1473.253 χ^2/NDF:8.9/7

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 631.769+/-1882.142 χ^2/NDF:1.5/5

Left: 1113.809+/-1160.113 χ^2/NDF: 10.5/13

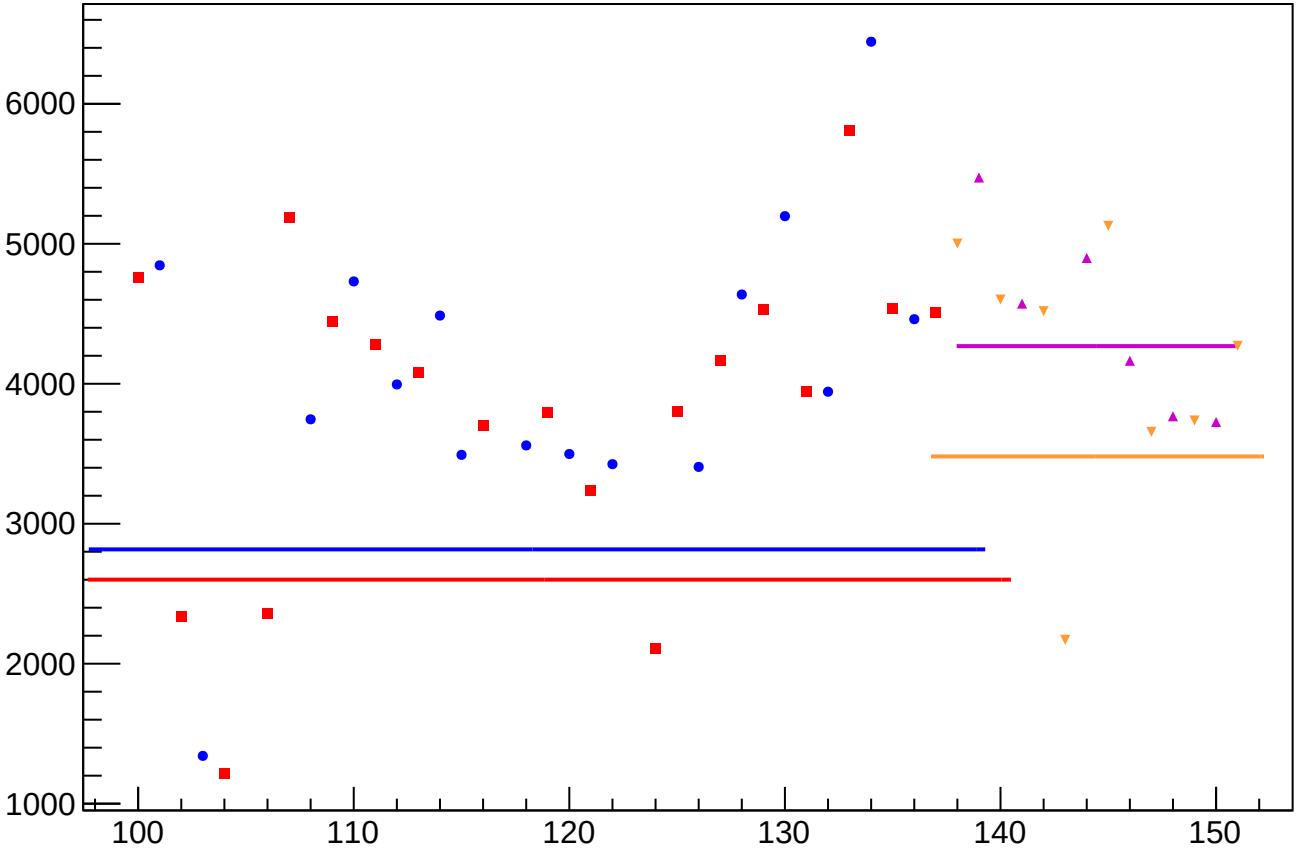
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -319.715+/-1001.241 χ^2/NDF:16.5/21

Out: 480.119+/-880.493 χ^2/NDF:25.5/26

All: 131.316+/-661.194 χ^2/NDF: 42.4/48

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3480.552+/-1.042 χ^2/NDF:1112201.1/7

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4269.080+/-1.331 χ^2/NDF:187363.8/5

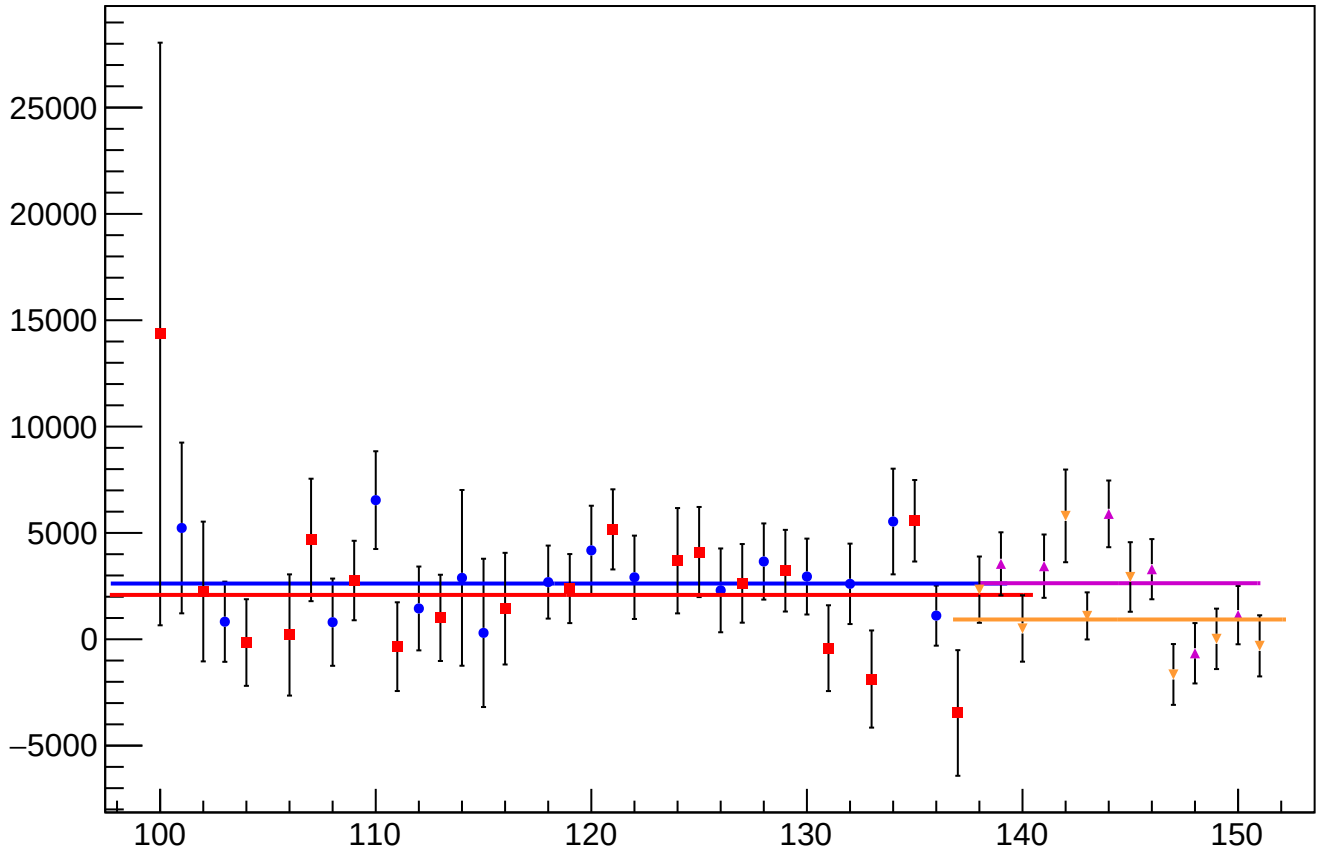
Left: 3780.132+/-0.820 χ^2/NDF: 1517238.3/13

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3227.770+/-0.708 χ^2/NDF:4048741.8/21

Out: 2914.860+/-0.623 χ^2/NDF:4651697.4/26

All: 3051.319+/-0.468 χ^2/NDF: 8810592.9/48



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 930.536+/-520.592 χ^2/NDF:11.8/7

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2635.837+/-593.267 χ^2/NDF:11.8/5

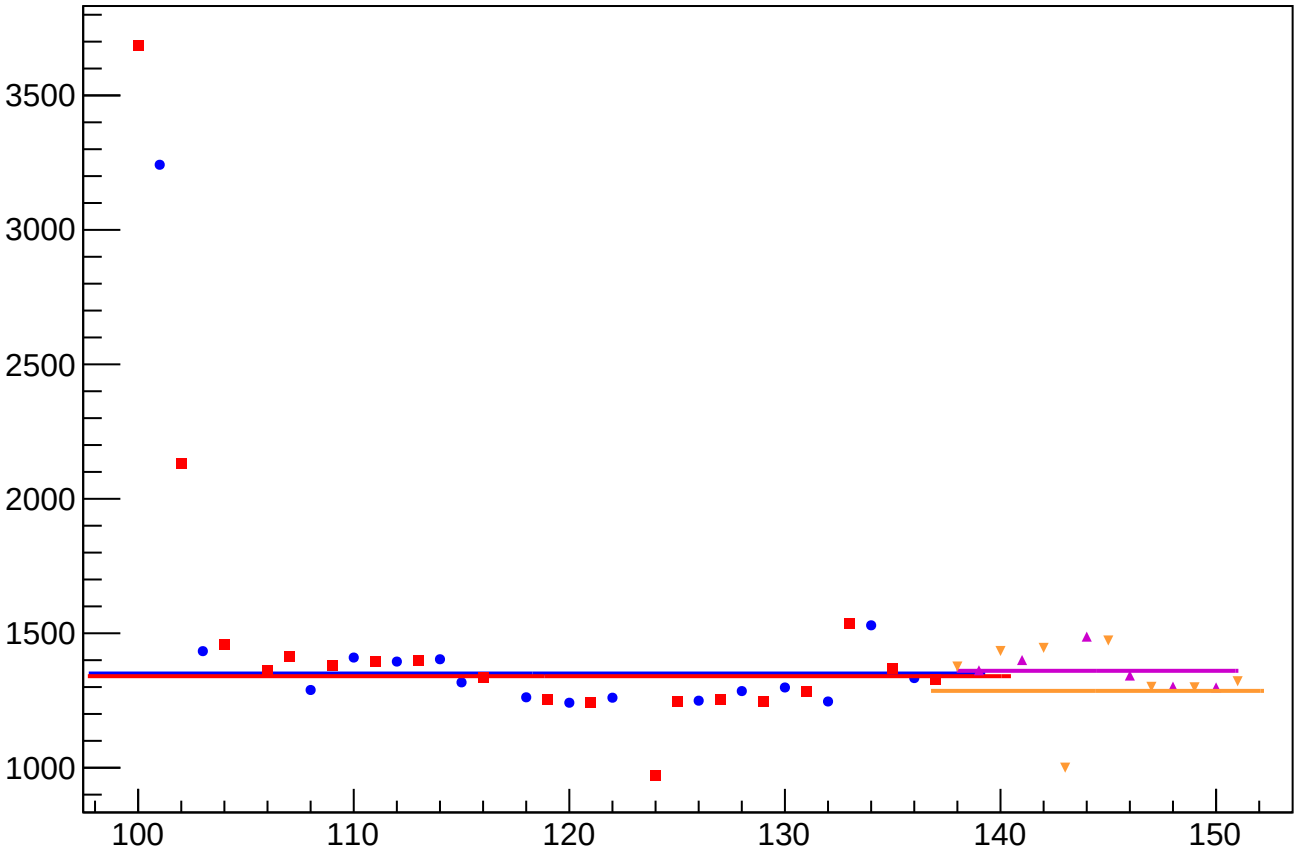
Left: 1672.394+/-391.300 χ^2/NDF: 28.3/13

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2627.059+/-387.399 χ^2/NDF:21.1/21

Out: 1525.773+/-362.429 χ^2/NDF:35.3/26

All: 2039.782+/-264.664 χ^2/NDF: 60.7/48



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1285.830+/-0.368 χ^2/NDF:196412.1/7

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1360.425+/-0.420 χ^2/NDF:22375.1/5

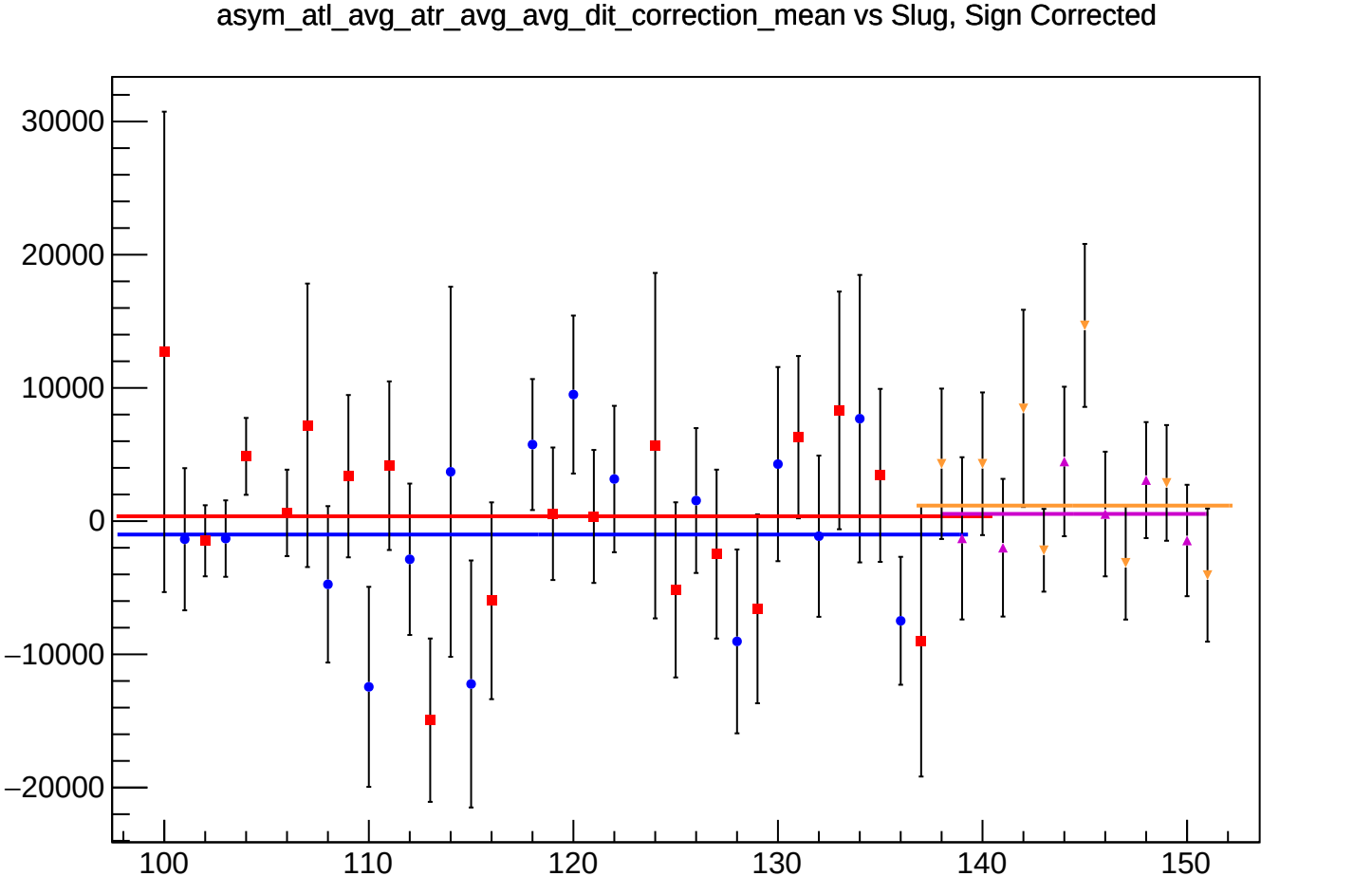
Left: 1318.281+/-0.277 χ^2/NDF: 236651.2/13

Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

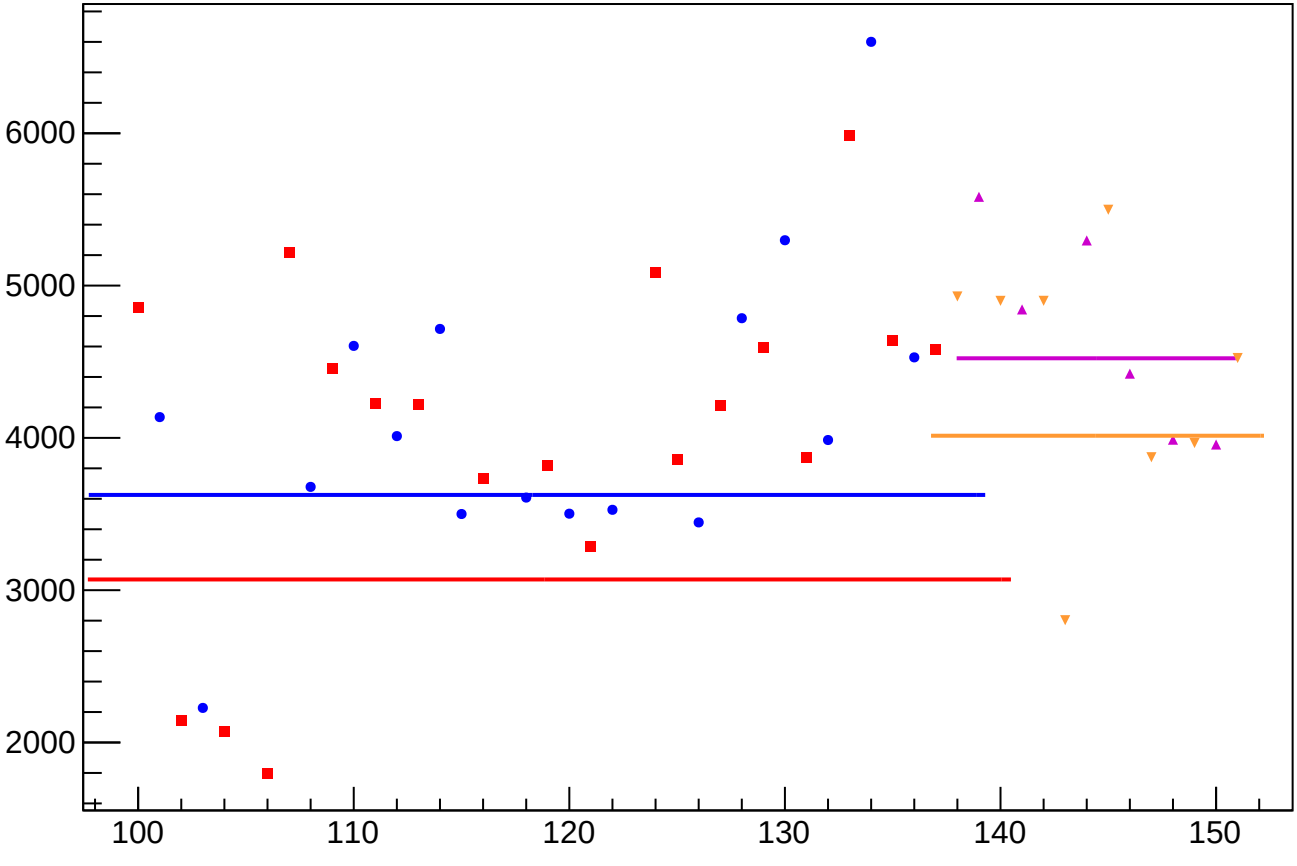
In: 1354.657+/-0.274 χ^2/NDF:516755.8/21

Out: 1313.983+/-0.256 χ^2/NDF:479939.1/26

All: 1332.961+/-0.187 χ^2/NDF: 1008455.2/48


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: 1166.123+/-1659.914 χ²/NDF:9.9/7
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 541.067+/-1992.977 χ²/NDF:1.4/5
Left: 910.117+/-1275.465 χ²/NDF: 11.4/13
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -493.151+/-1148.034 χ²/NDF:16.4/21
Out: 640.397+/-973.817 χ²/NDF:26.3/26
All: 166.071+/-742.631 χ²/NDF: 43.3/48

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: 4014.165+/-1.174 χ^2/NDF:580731.6/7

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4522.634+/-1.409 χ^2/NDF:174070.3/5

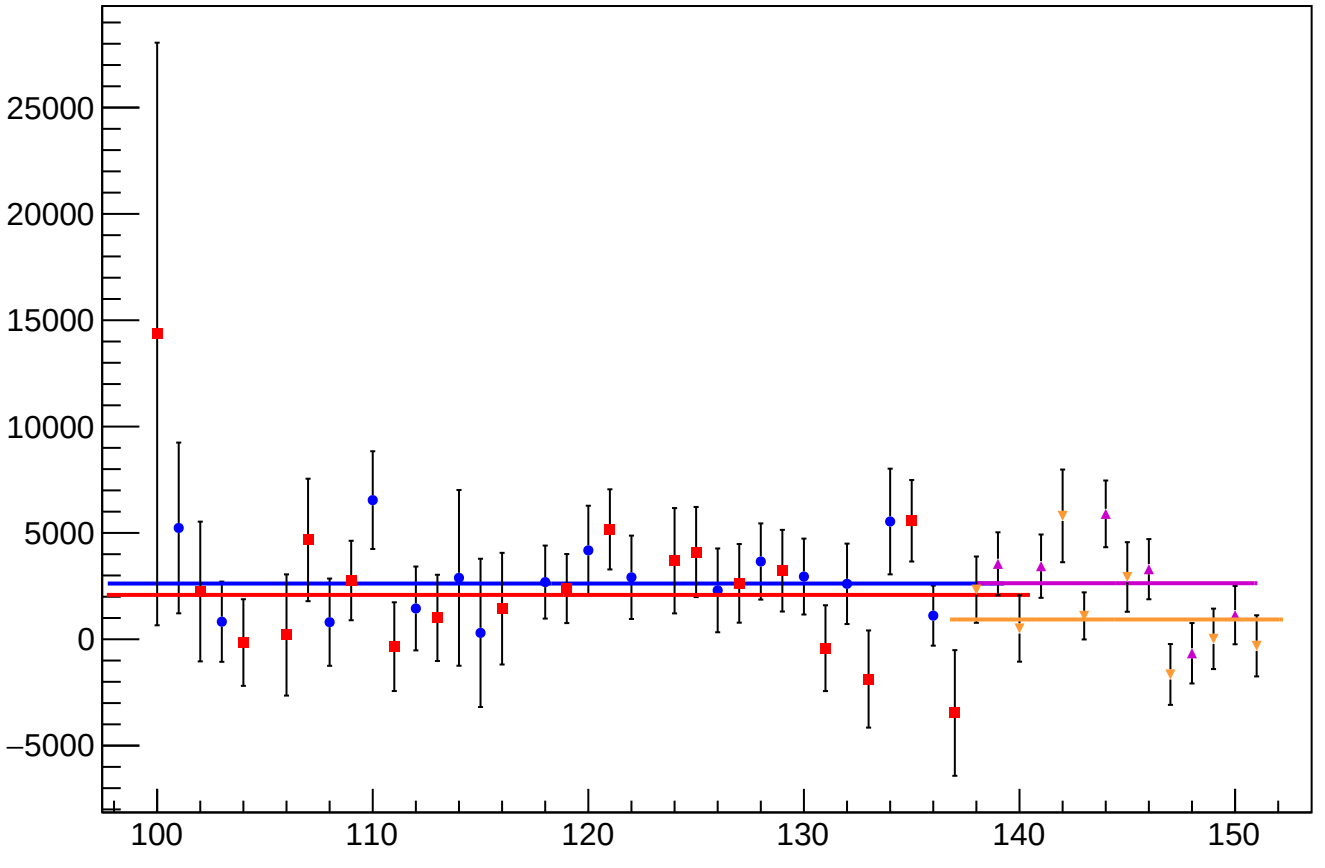
Left: 4222.421+/-0.902 χ^2/NDF: 831665.6/13

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3923.197+/-0.812 χ^2/NDF:1389758.6/21

Out: 3395.251+/-0.689 χ^2/NDF:2843358.7/26

All: 3616.167+/-0.525 χ^2/NDF: 4479092.3/48



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 930.537+/-520.593 χ^2/NDF:11.8/7

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2635.834+/-593.268 χ^2/NDF:11.8/5

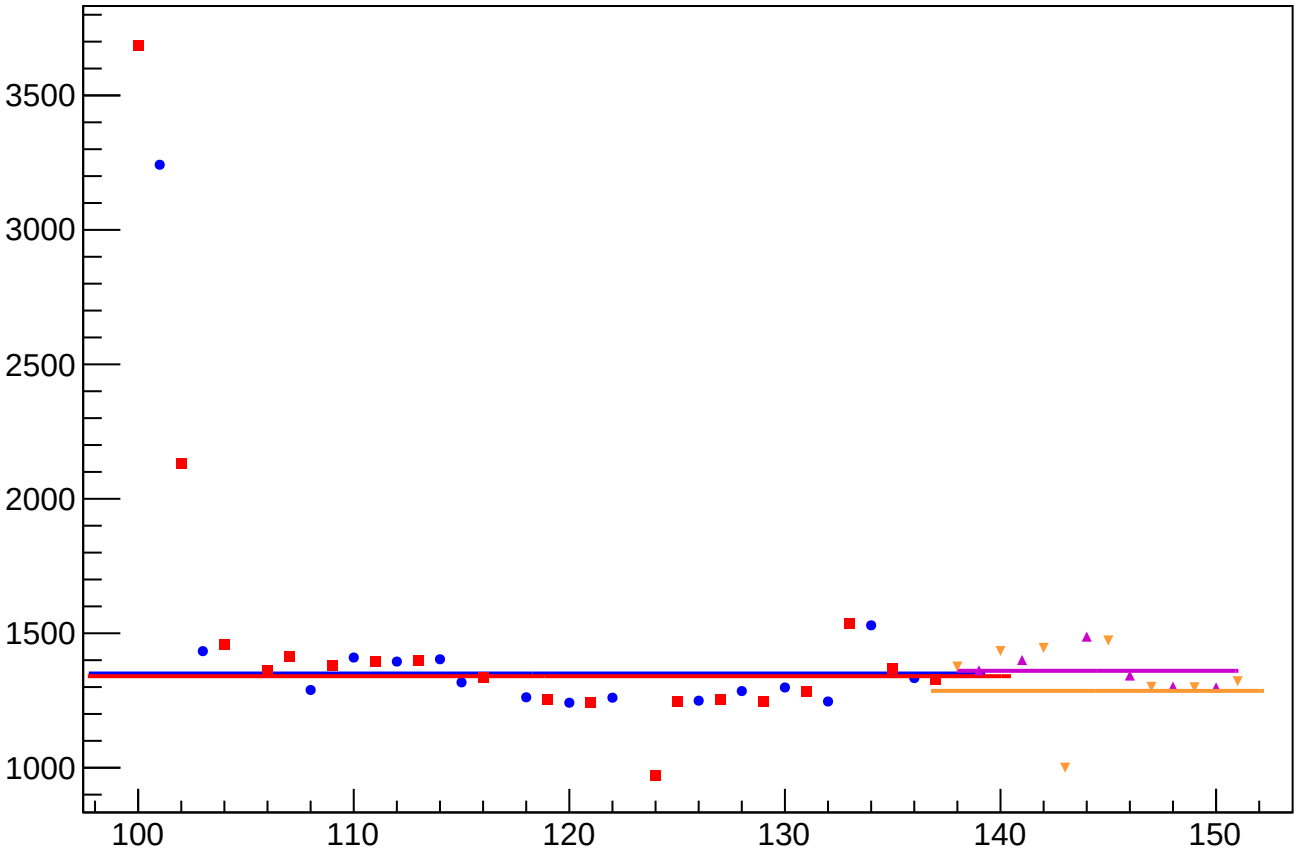
Left: 1672.393+/-391.301 χ^2/NDF: 28.3/13

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2627.058+/-387.399 χ^2/NDF:21.1/21

Out: 1525.775+/-362.429 χ^2/NDF:35.3/26

All: 2039.783+/-264.664 χ^2/NDF: 60.7/48



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1285.831+/-0.368 χ^2/NDF:196412.3/7

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1360.426+/-0.420 χ^2/NDF:22375.3/5

Left: 1318.282+/-0.277 χ^2/NDF: 236651.7/13

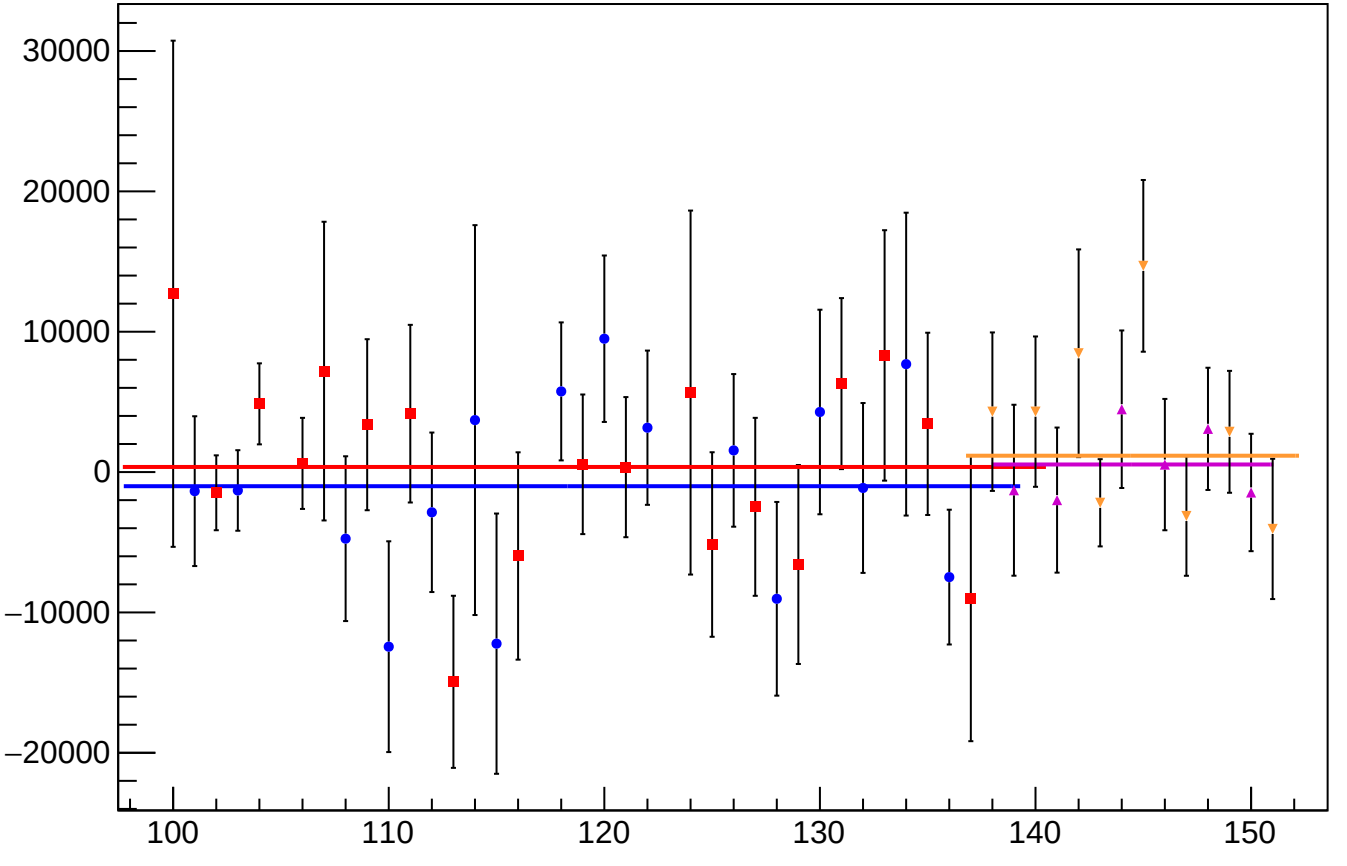
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1354.657+/-0.274 χ^2/NDF:516756.2/21

Out: 1313.983+/-0.256 χ^2/NDF:479937.7/26

All: 1332.961+/-0.187 χ^2/NDF: 1008454.3/48

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: 1166.121+/-1659.917 χ^2/NDF:9.9/7

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 541.065+/-1992.979 χ^2/NDF:1.4/5

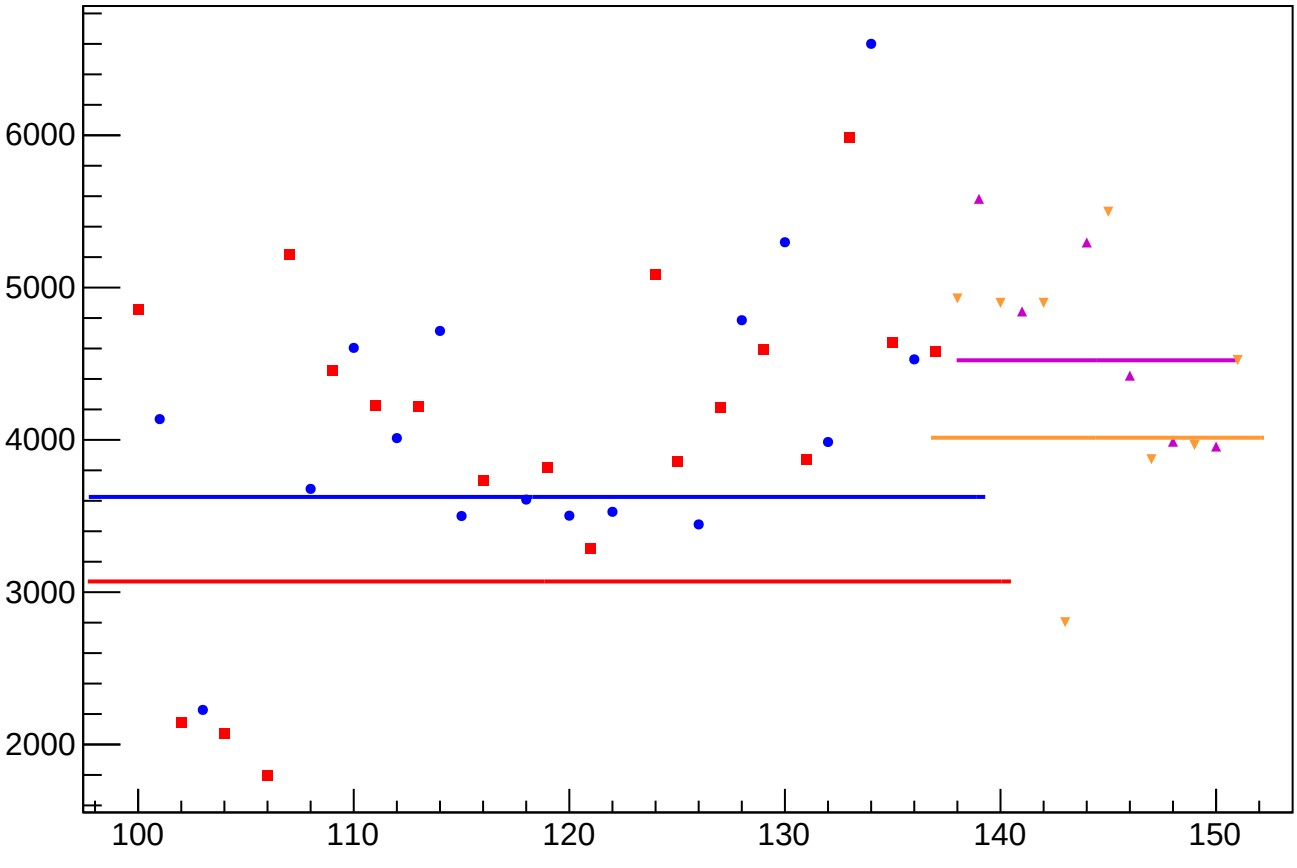
Left: 910.114+/-1275.466 χ^2/NDF: 11.4/13

Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -493.148+/-1148.033 χ^2/NDF:16.4/21

Out: 640.396+/-973.816 χ^2/NDF:26.3/26

All: 166.071+/-742.631 χ^2/NDF: 43.3/48



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4014.171+/-1.174 χ^2/NDF:580731.6/7

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4522.640+/-1.409 χ^2/NDF:174071.3/5

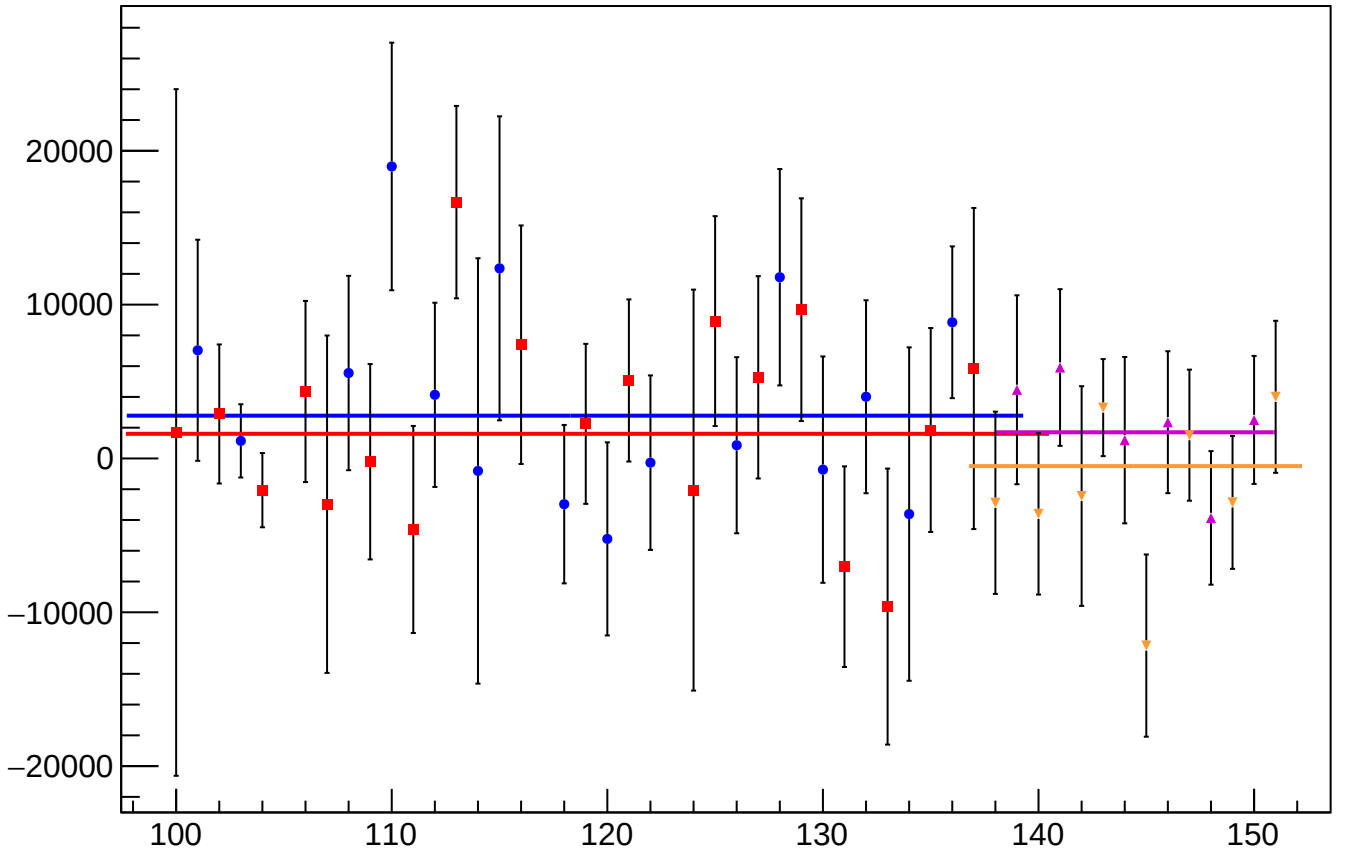
Left: 4222.427+/-0.902 χ^2/NDF: 831666.4/13

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3923.191+/-0.812 χ^2/NDF:1389770.7/21

Out: 3395.246+/-0.689 χ^2/NDF:2843374.6/26

All: 3616.161+/-0.525 χ^2/NDF: 4479120.7/48



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: -497.981+/-1659.803 χ^2/NDF:7.3/7

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1701.645+/-1972.312 χ^2/NDF:2.6/5

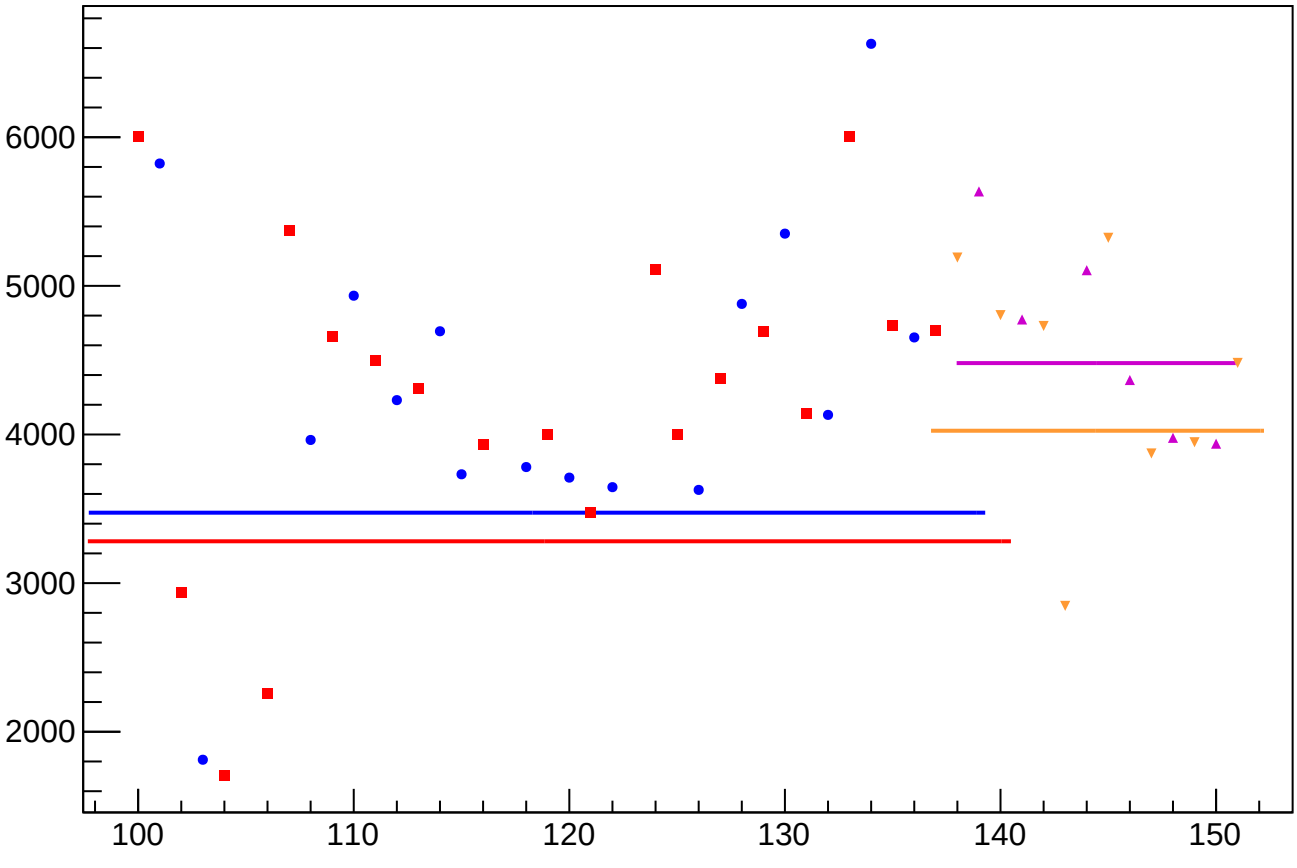
Left: 413.965+/-1269.948 χ^2/NDF: 10.6/13

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2422.922+/-1135.881 χ^2/NDF:16.0/21

Out: 775.982+/-1041.222 χ^2/NDF:25.0/26

All: 1527.979+/-767.542 χ^2/NDF: 42.2/48



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4025.268+/-1.174 χ^2/NDF:536174.4/7

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4480.362+/-1.395 χ^2/NDF:166102.1/5

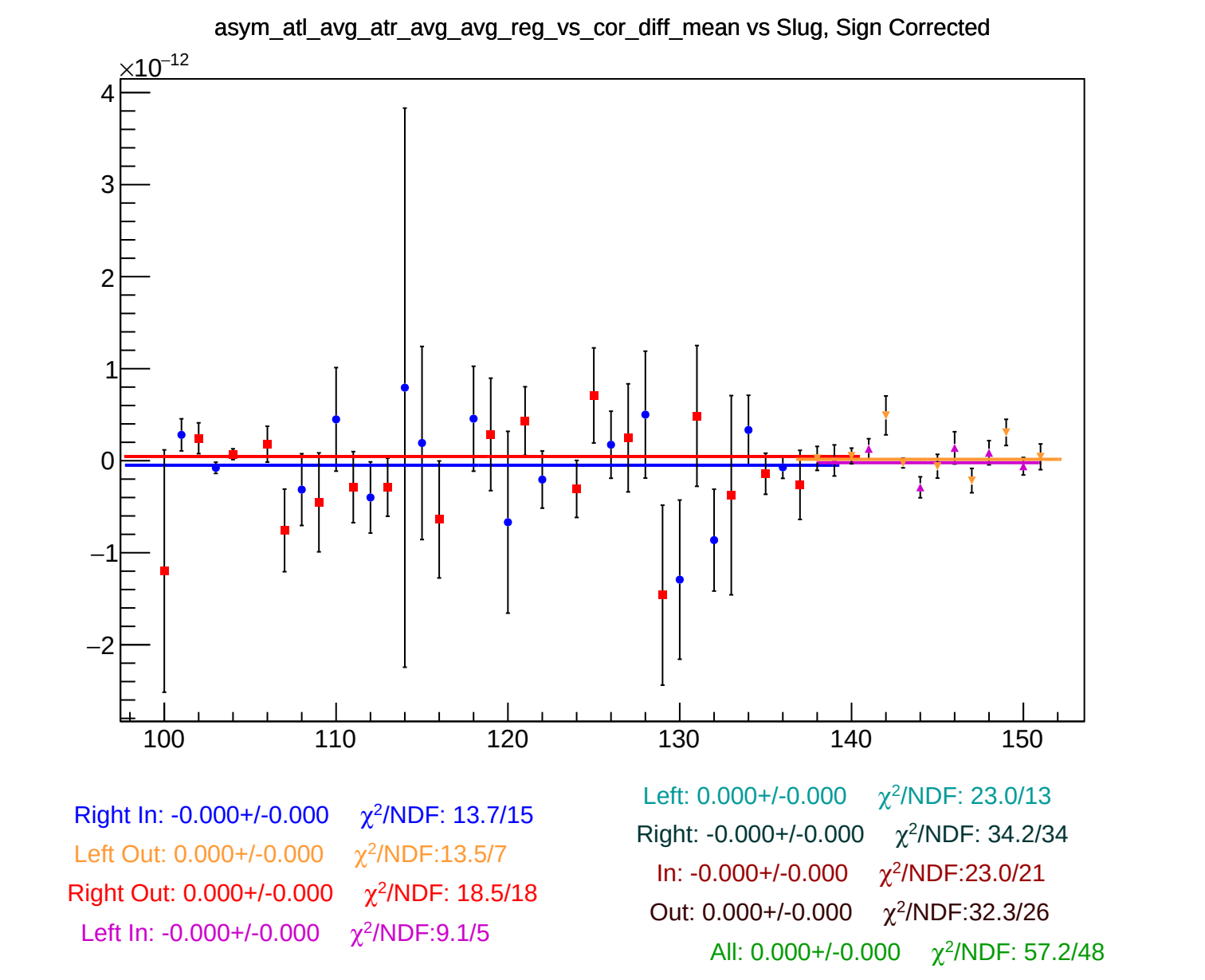
Left: 4213.946+/-0.898 χ^2/NDF: 764612.7/13

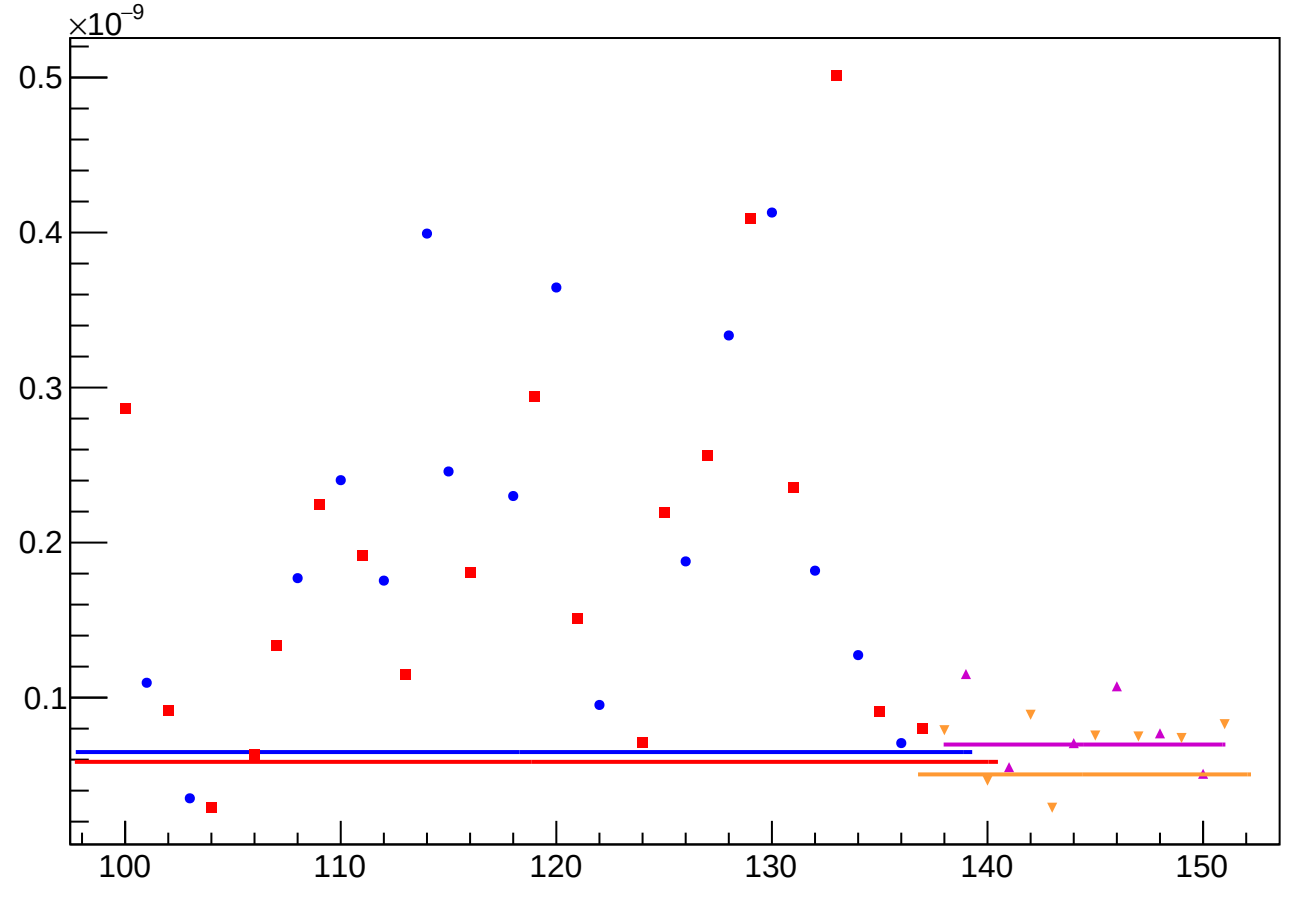
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3807.715+/-0.803 χ^2/NDF:2358134.2/21

Out: 3569.308+/-0.730 χ^2/NDF:2657871.7/26

All: 3677.174+/-0.540 χ^2/NDF: 5064248.9/48


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:13.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:9.1/5
Left: 0.000+/-0.000 χ²/NDF: 23.0/13
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:23.0/21
Out: 0.000+/-0.000 χ²/NDF:32.3/26
All: 0.000+/-0.000 χ²/NDF: 57.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:802888.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:357425.3/5

Left: 0.000+/-0.000 χ^2/NDF: 1356901.4/13

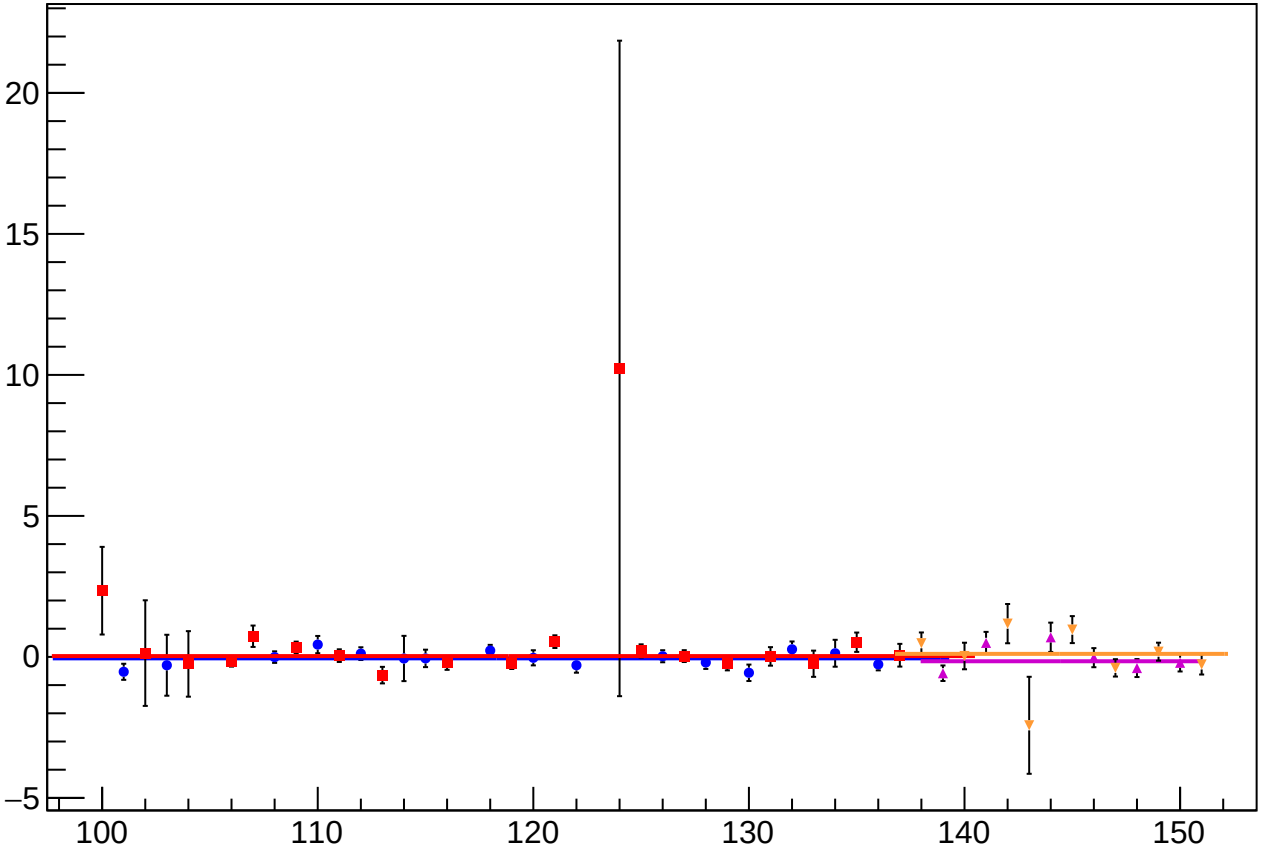
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:2960009.3/21

Out: 0.000+/-0.000 χ^2/NDF:3695216.4/26

All: 0.000+/-0.000 χ^2/NDF: 6845095.5/48

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: 0.108+/-0.147 χ^2/NDF:12.5/7

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.154+/-0.138 χ^2/NDF:8.6/5

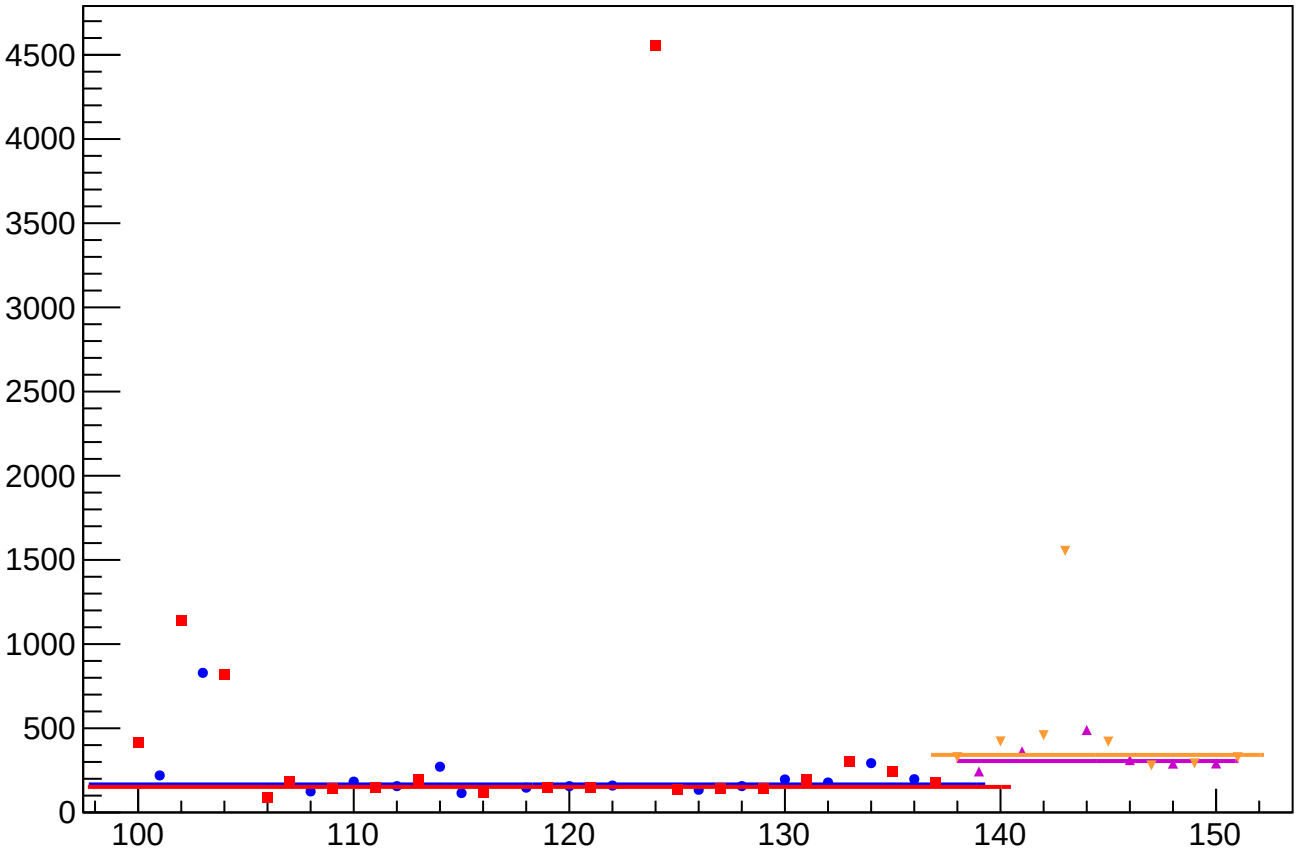
Left: -0.032+/-0.101 χ^2/NDF: 22.8/13

Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.071+/-0.060 χ^2/NDF:23.9/21

Out: 0.042+/-0.059 χ^2/NDF:40.3/26

All: -0.013+/-0.042 χ^2/NDF: 66.0/48



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 341.934+/-0.104 χ^2/NDF:1298957.0/7

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 305.389+/-0.097 χ^2/NDF:404842.0/5

Left: 322.476+/-0.071 χ^2/NDF: 1769514.0/13

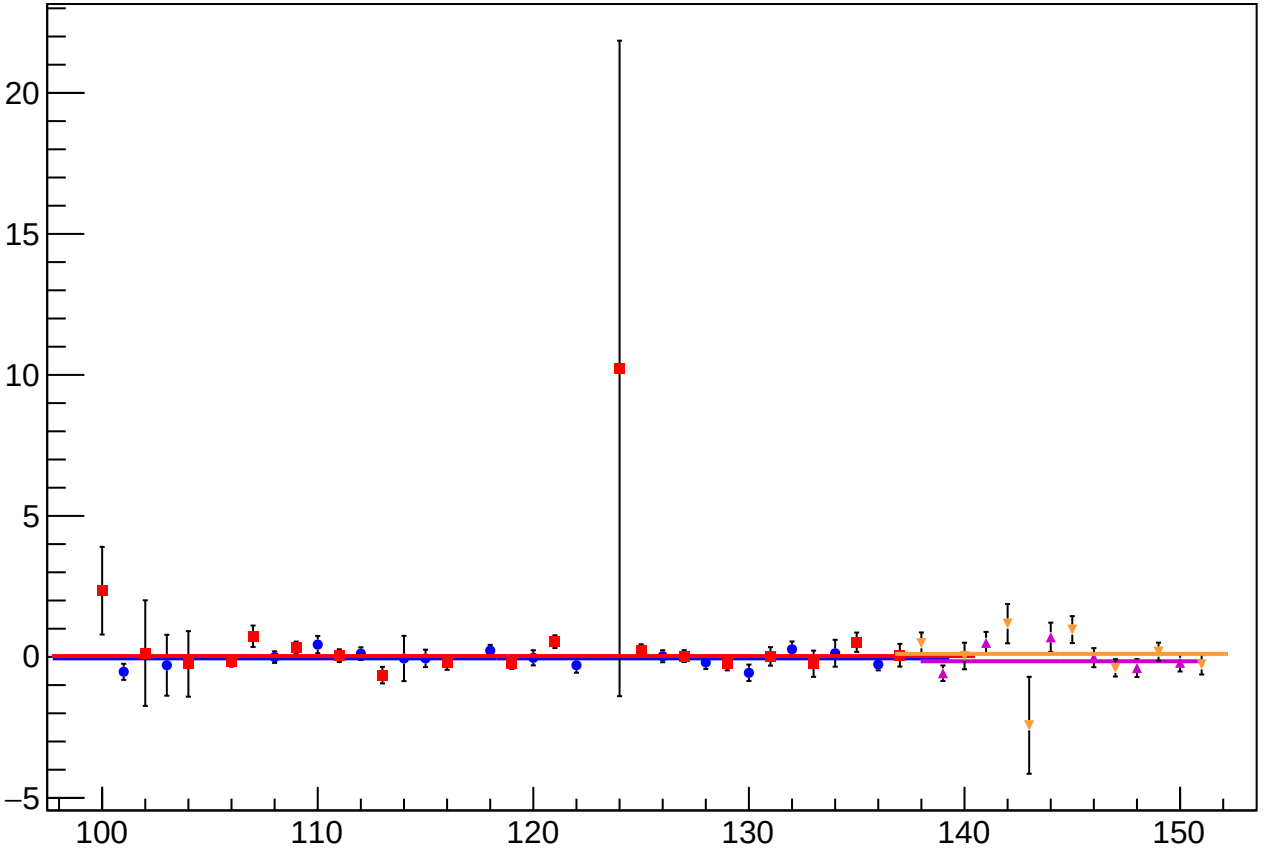
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 192.751+/-0.042 χ^2/NDF:3335652.7/21

Out: 182.068+/-0.042 χ^2/NDF:6423650.1/26

All: 187.288+/-0.030 χ^2/NDF: 9791662.1/48

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: 0.108+/-0.147 χ^2/NDF:12.5/7

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.154+/-0.138 χ^2/NDF:8.6/5

Left: -0.032+/-0.101 χ^2/NDF: 22.8/13

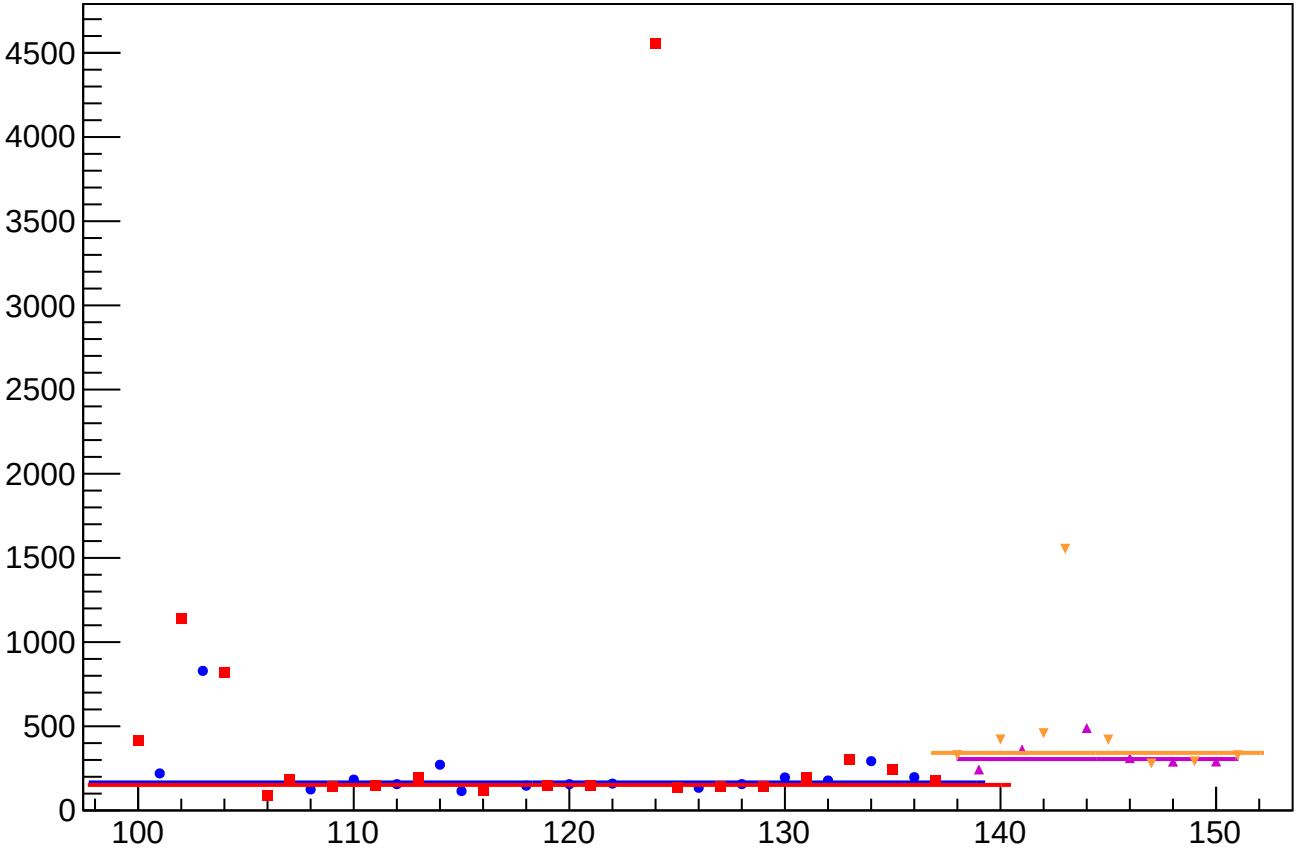
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.071+/-0.060 χ^2/NDF:23.9/21

Out: 0.042+/-0.059 χ^2/NDF:40.3/26

All: -0.013+/-0.042 χ^2/NDF: 66.0/48

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: 341.934+/-0.104 χ^2/NDF:1298957.0/7

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 305.389+/-0.097 χ^2/NDF:404842.0/5

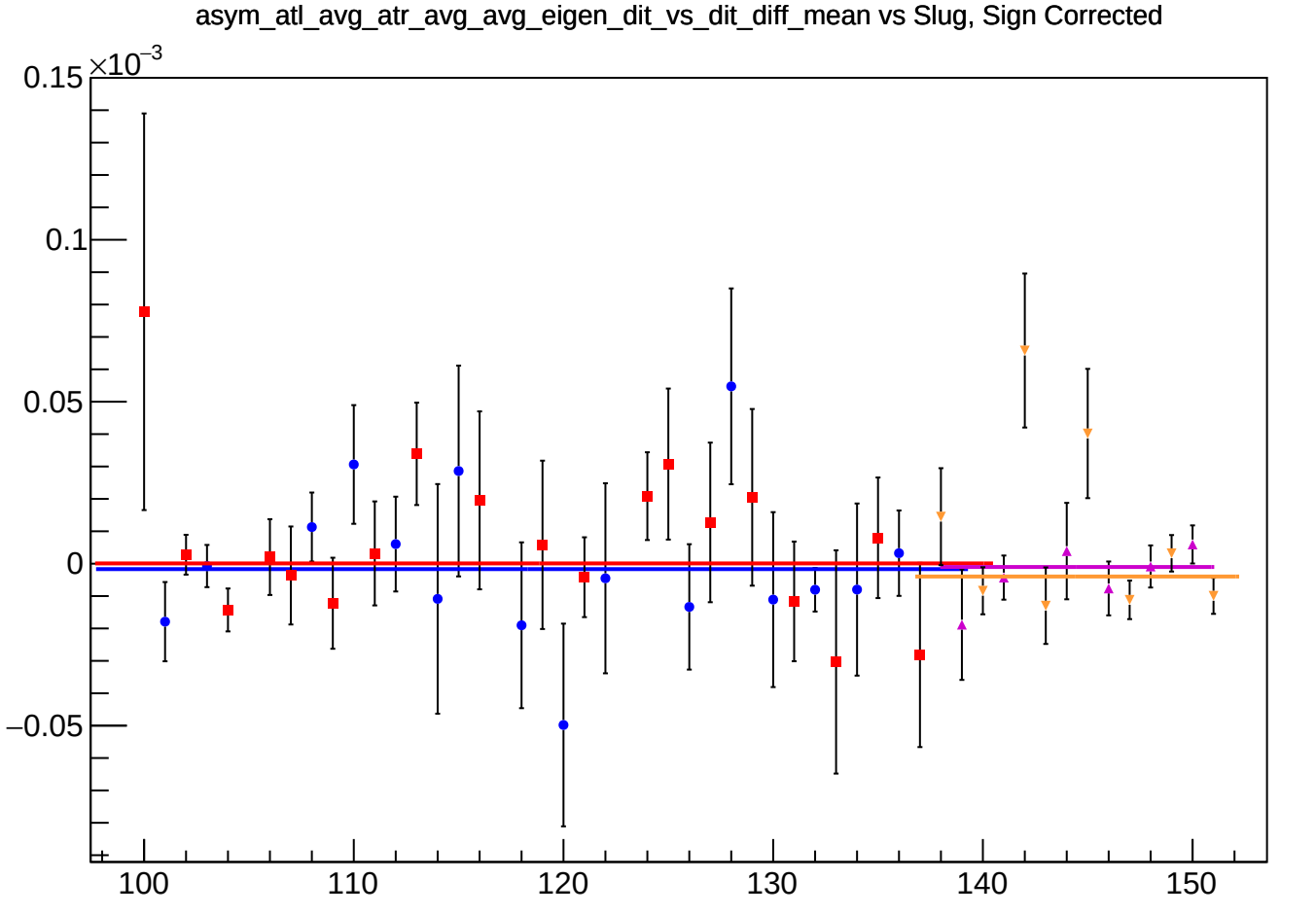
Left: 322.476+/-0.071 χ^2/NDF: 1769514.0/13

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 192.751+/-0.042 χ^2/NDF:3335652.7/21

Out: 182.068+/-0.042 χ^2/NDF:6423650.1/26

All: 187.288+/-0.030 χ^2/NDF: 9791662.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/5

Left: -0.000+/-0.000 χ^2/NDF: 24.1/13

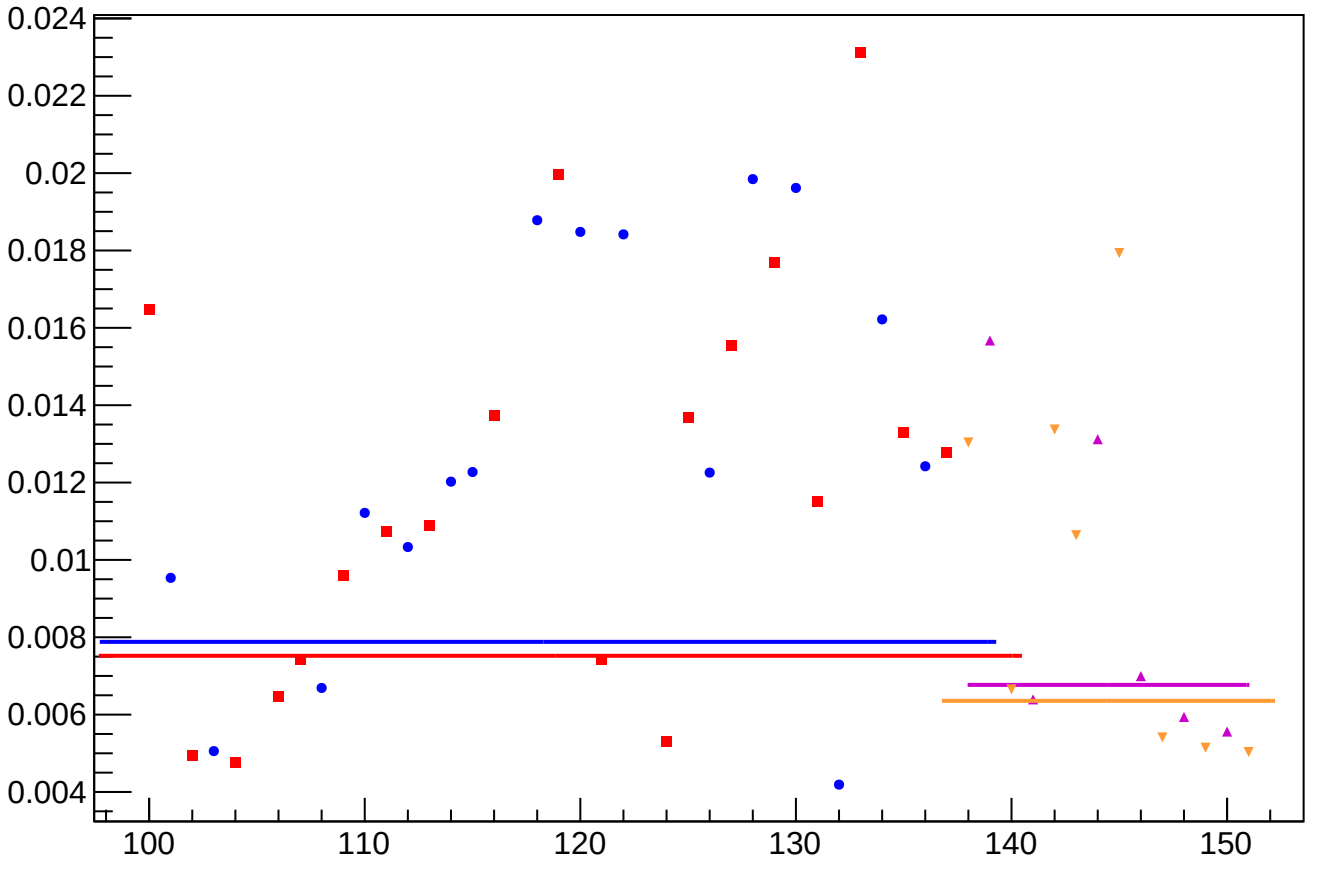
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:19.0/21

Out: -0.000+/-0.000 χ^2/NDF:41.0/26

All: -0.000+/-0.000 χ^2/NDF: 60.1/48

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: 0.006+/-0.000 χ^2/NDF:1767861.5/7

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1033189.6/5

Left: 0.007+/-0.000 χ^2/NDF: 2819670.5/13

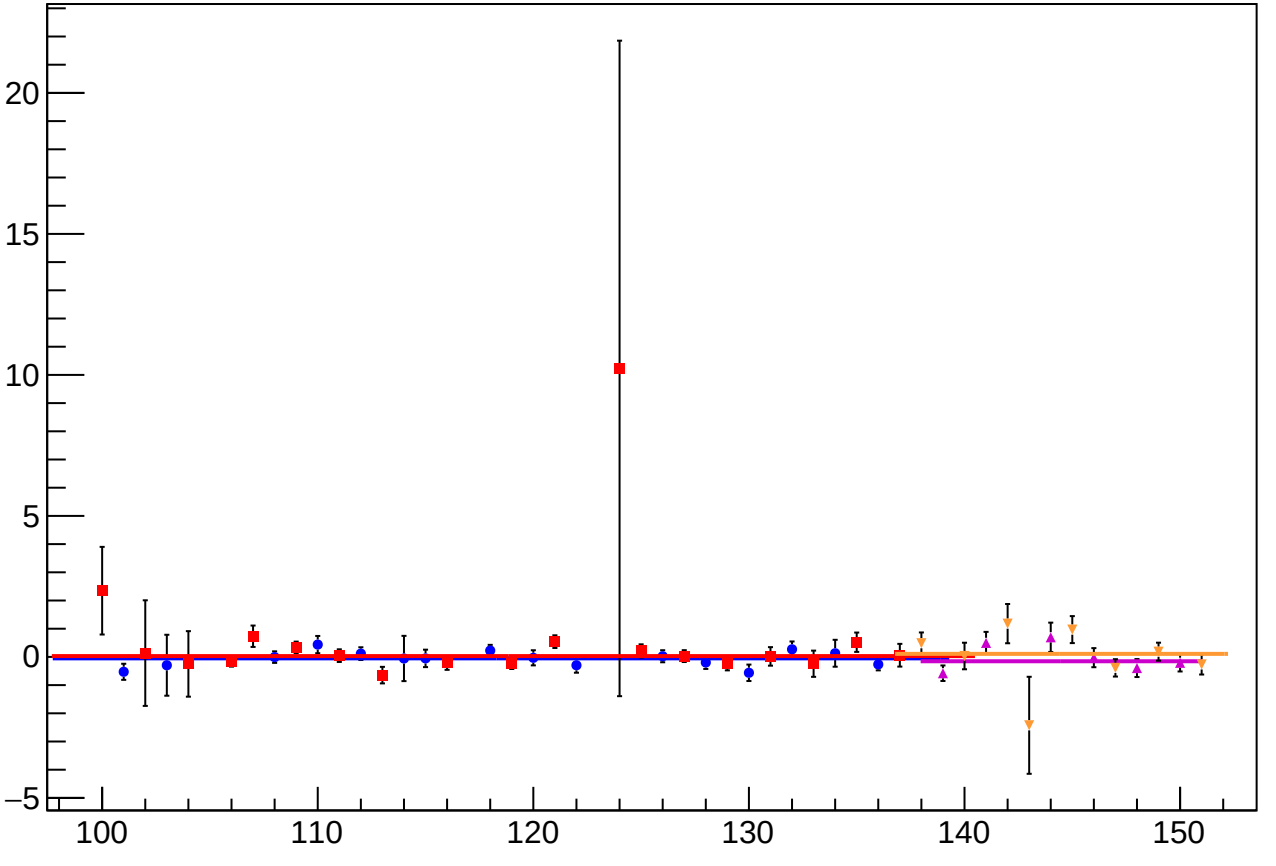
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:4447925.3/21

Out: 0.007+/-0.000 χ^2/NDF:4896353.5/26

All: 0.007+/-0.000 χ^2/NDF: 9380049.6/48

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: 0.108+/-0.147 χ^2/NDF:12.5/7

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.154+/-0.138 χ^2/NDF:8.6/5

Left: -0.032+/-0.101 χ^2/NDF: 22.8/13

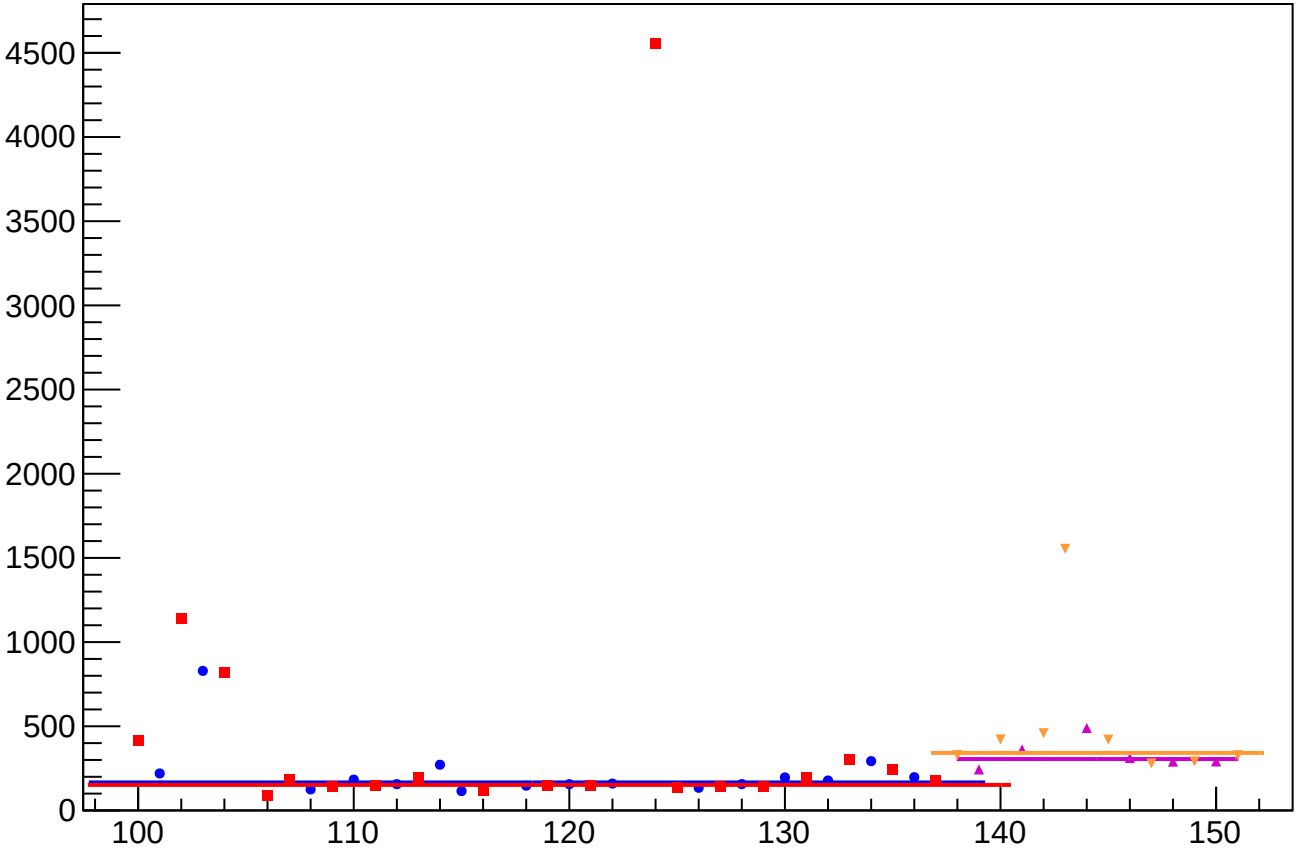
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.071+/-0.060 χ^2/NDF:23.9/21

Out: 0.042+/-0.059 χ^2/NDF:40.3/26

All: -0.013+/-0.042 χ^2/NDF: 66.0/48

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: 341.938+/-0.104 χ^2/NDF:1298954.6/7

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 305.394+/-0.097 χ^2/NDF:404829.0/5

Left: 322.480+/-0.071 χ^2/NDF: 1769493.5/13

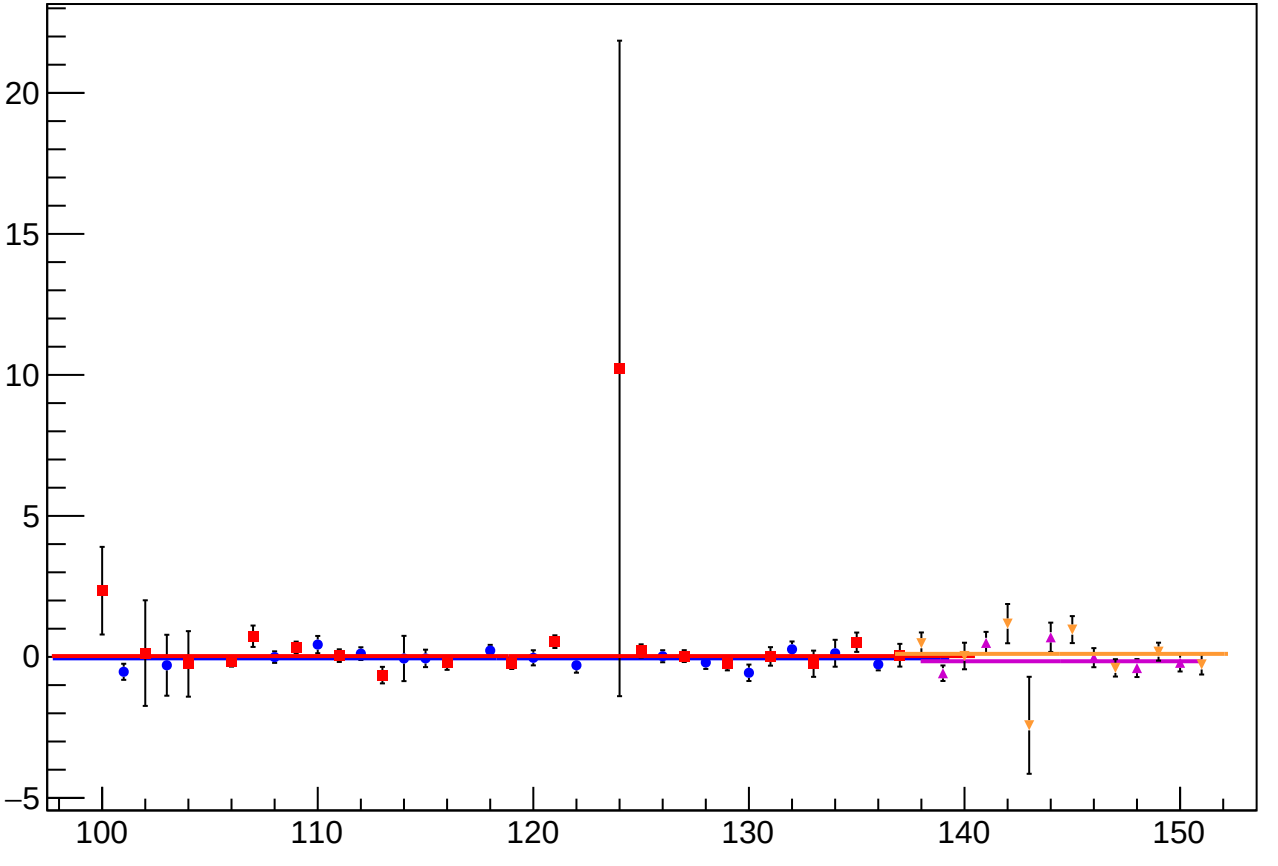
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 192.751+/-0.042 χ^2/NDF:3335724.2/21

Out: 182.067+/-0.042 χ^2/NDF:6423752.7/26

All: 187.287+/-0.030 χ^2/NDF: 9791842.0/48

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: 0.108+/-0.147 χ^2/NDF:12.5/7

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.154+/-0.138 χ^2/NDF:8.6/5

Left: -0.032+/-0.101 χ^2/NDF: 22.8/13

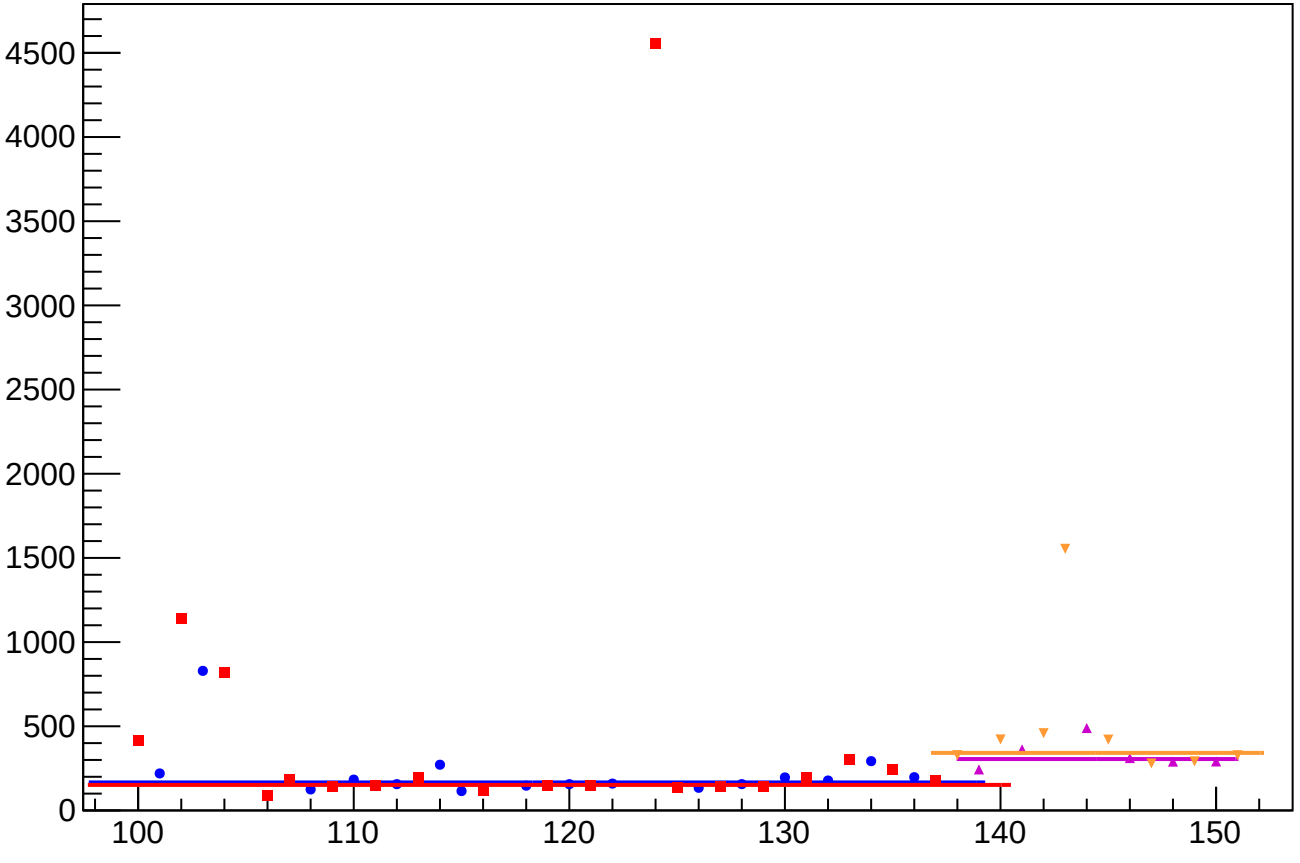
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.071+/-0.060 χ^2/NDF:23.9/21

Out: 0.042+/-0.059 χ^2/NDF:40.3/26

All: -0.013+/-0.042 χ^2/NDF: 66.0/48

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: 341.938+/-0.104 χ^2/NDF:1298954.6/7

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 305.394+/-0.097 χ^2/NDF:404829.0/5

Left: 322.480+/-0.071 χ^2/NDF: 1769493.5/13

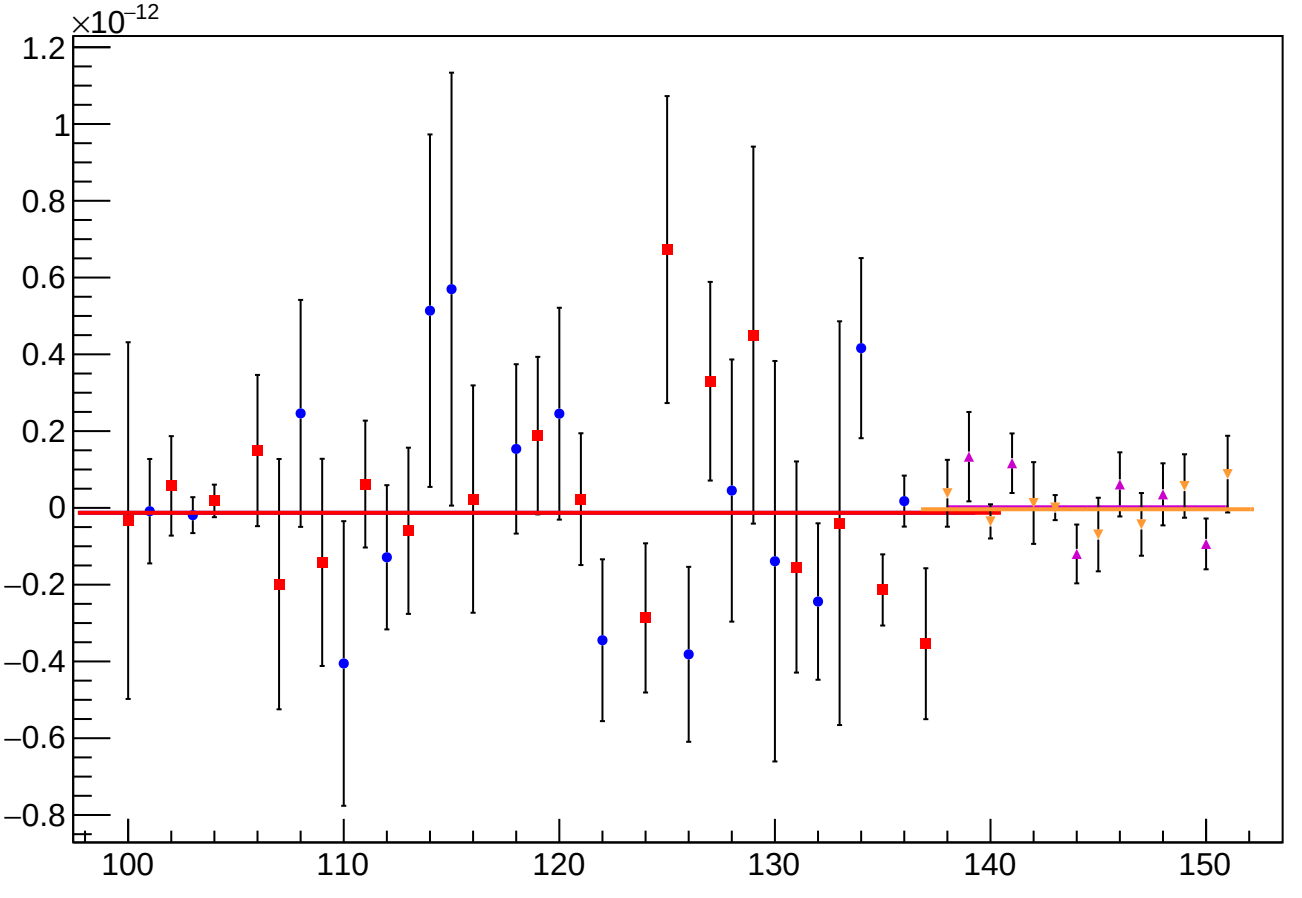
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 192.751+/-0.042 χ^2/NDF:3335724.2/21

Out: 182.067+/-0.042 χ^2/NDF:6423752.7/26

All: 187.287+/-0.030 χ^2/NDF: 9791842.0/48

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:2.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/5

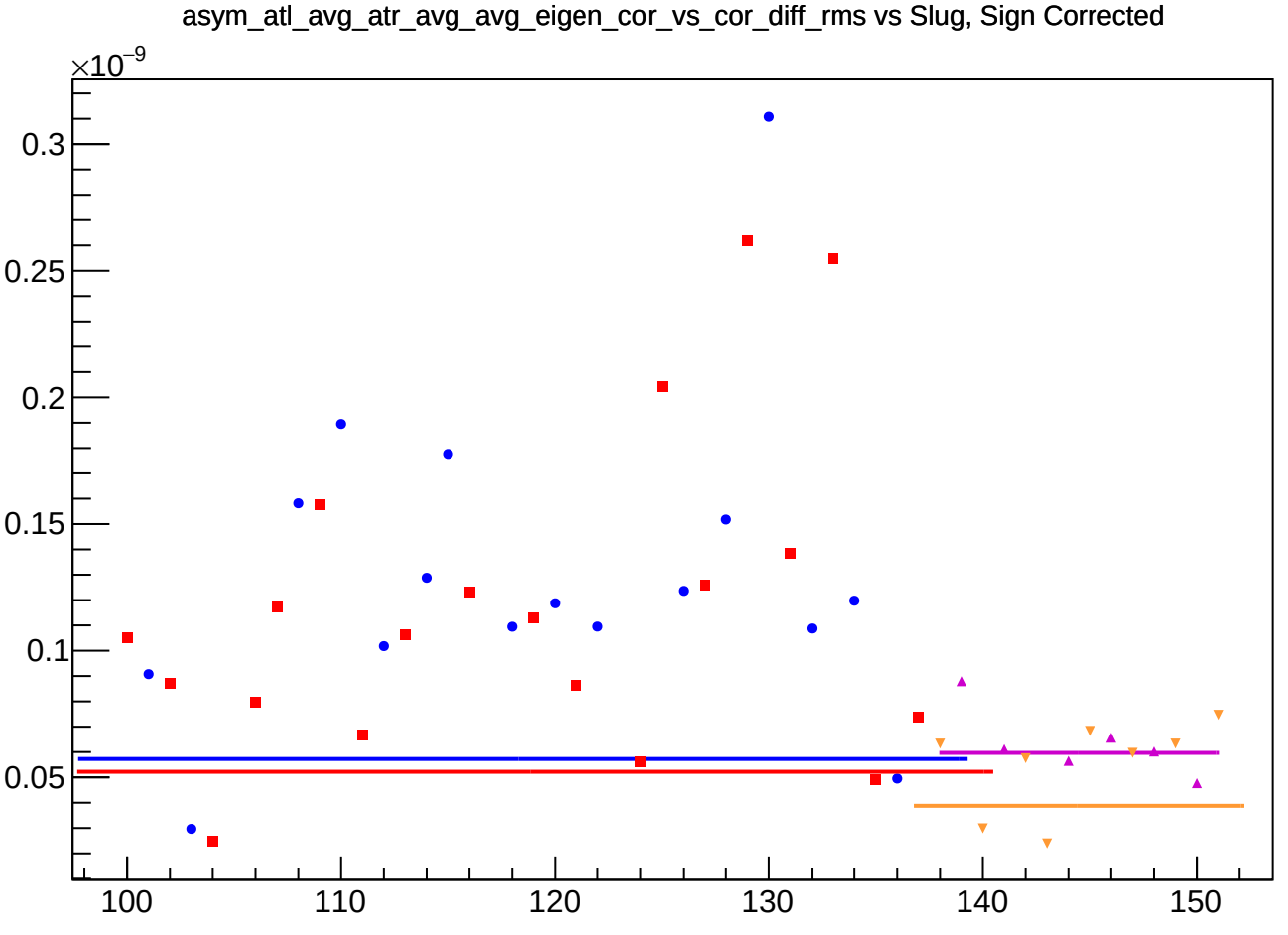
Left: -0.000+/-0.000 χ^2/NDF: 11.6/13

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:25.0/21

Out: -0.000+/-0.000 χ^2/NDF:21.8/26

All: -0.000+/-0.000 χ^2/NDF: 46.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1471861.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:197978.3/5

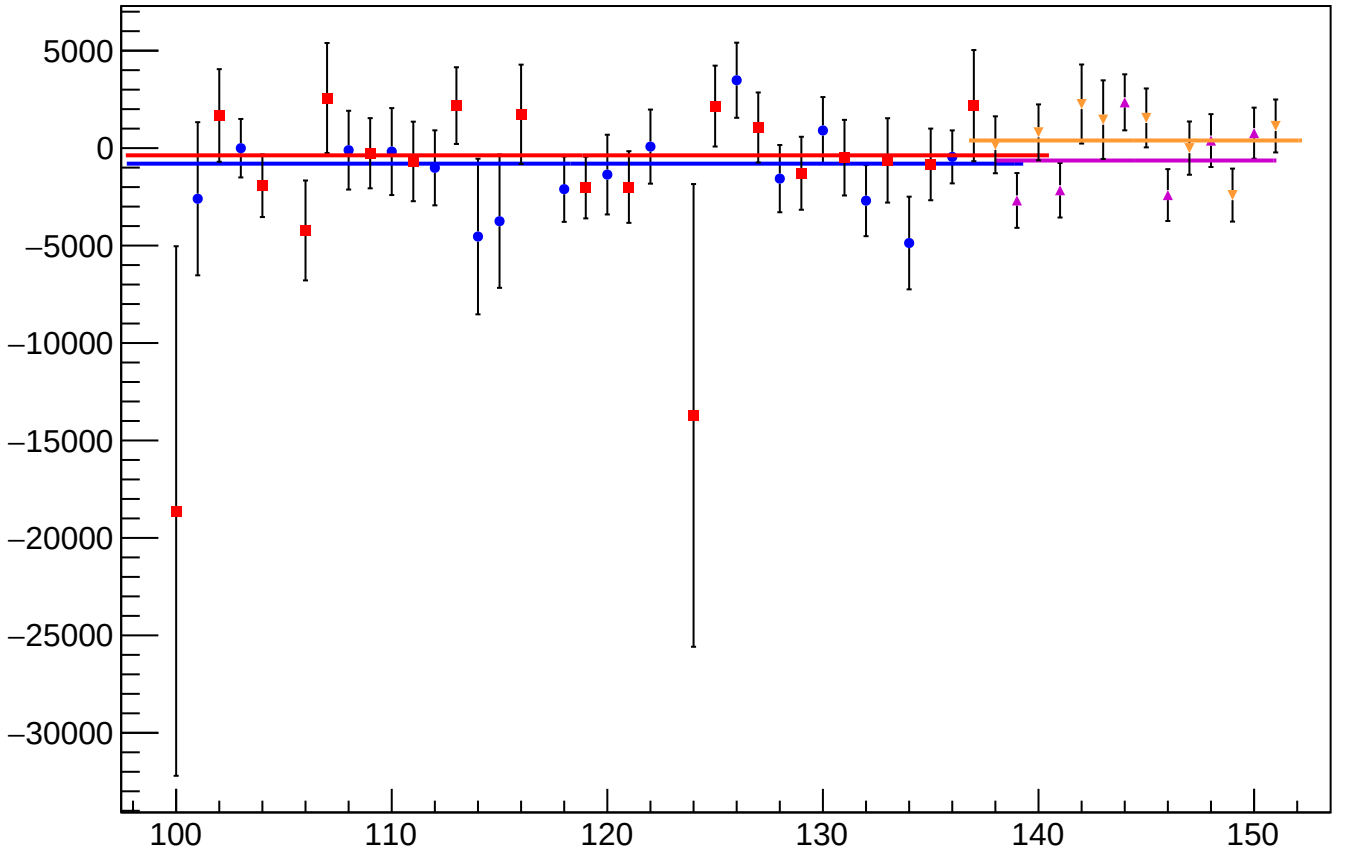
Left: 0.000+/-0.000 χ^2/NDF: 2240376.2/13

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3186496.7/21

Out: 0.000+/-0.000 χ^2/NDF:5007901.0/26

All: 0.000+/-0.000 χ^2/NDF: 8752981.2/48



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 392.348+/-534.468 χ^2/NDF:6.5/7

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -635.802+/-559.690 χ^2/NDF:11.1/5

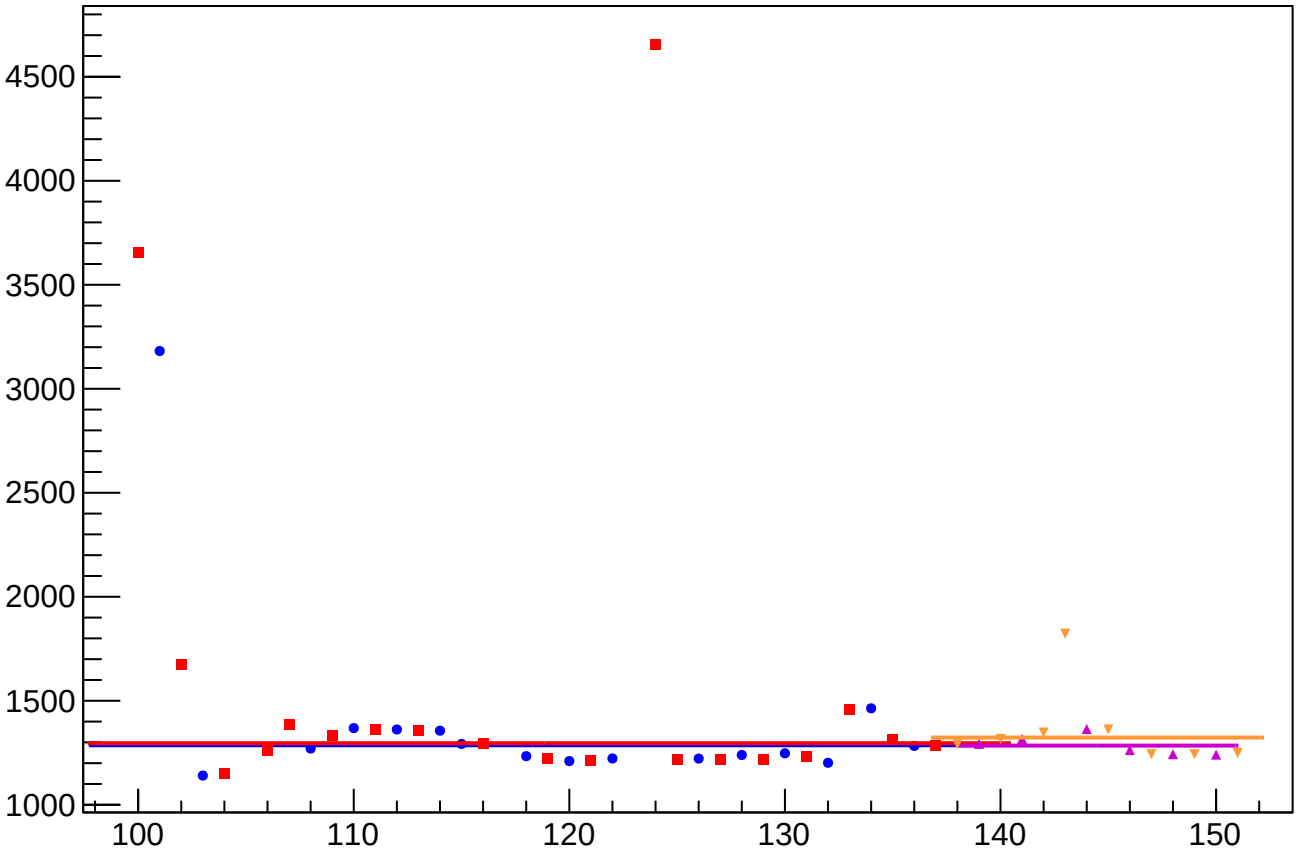
Left: -98.039+/-386.535 χ^2/NDF: 19.3/13

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -727.630+/-367.586 χ^2/NDF:24.6/21

Out: -25.094+/-359.500 χ^2/NDF:23.2/26

All: -368.551+/-257.016 χ^2/NDF: 49.6/48



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

Left: 1304.685+/-0.273 χ^2/NDF: 161861.0/13

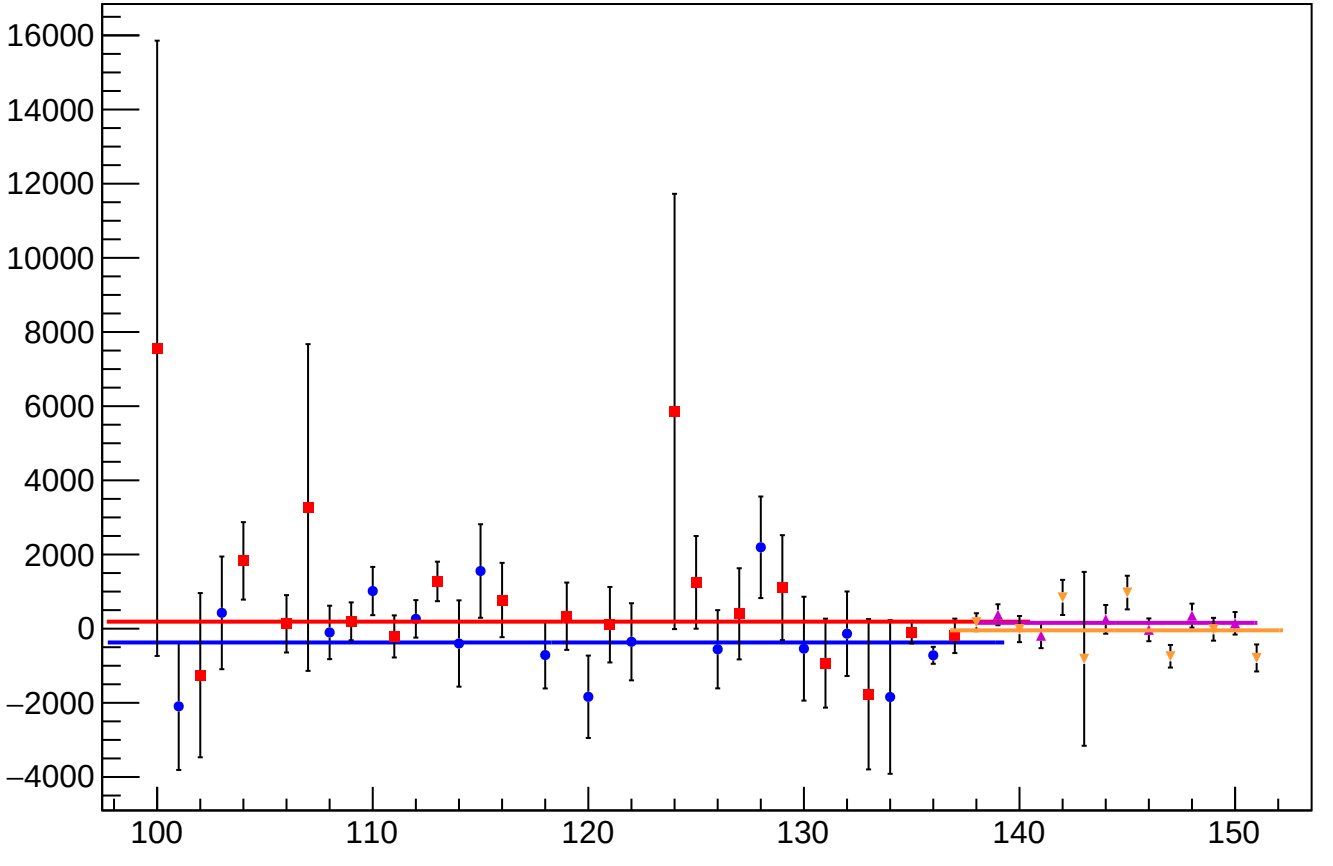
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1285.369+/-0.260 χ^2/NDF:529964.2/21

Out: 1308.263+/-0.254 χ^2/NDF:475928.7/26

All: 1297.071+/-0.182 χ^2/NDF: 1009858.3/48

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -45.144+/-125.463 χ^2/NDF:18.9/7

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 157.276+/-130.070 χ^2/NDF:2.5/5

Left: 52.417+/-90.300 χ^2/NDF: 22.7/13

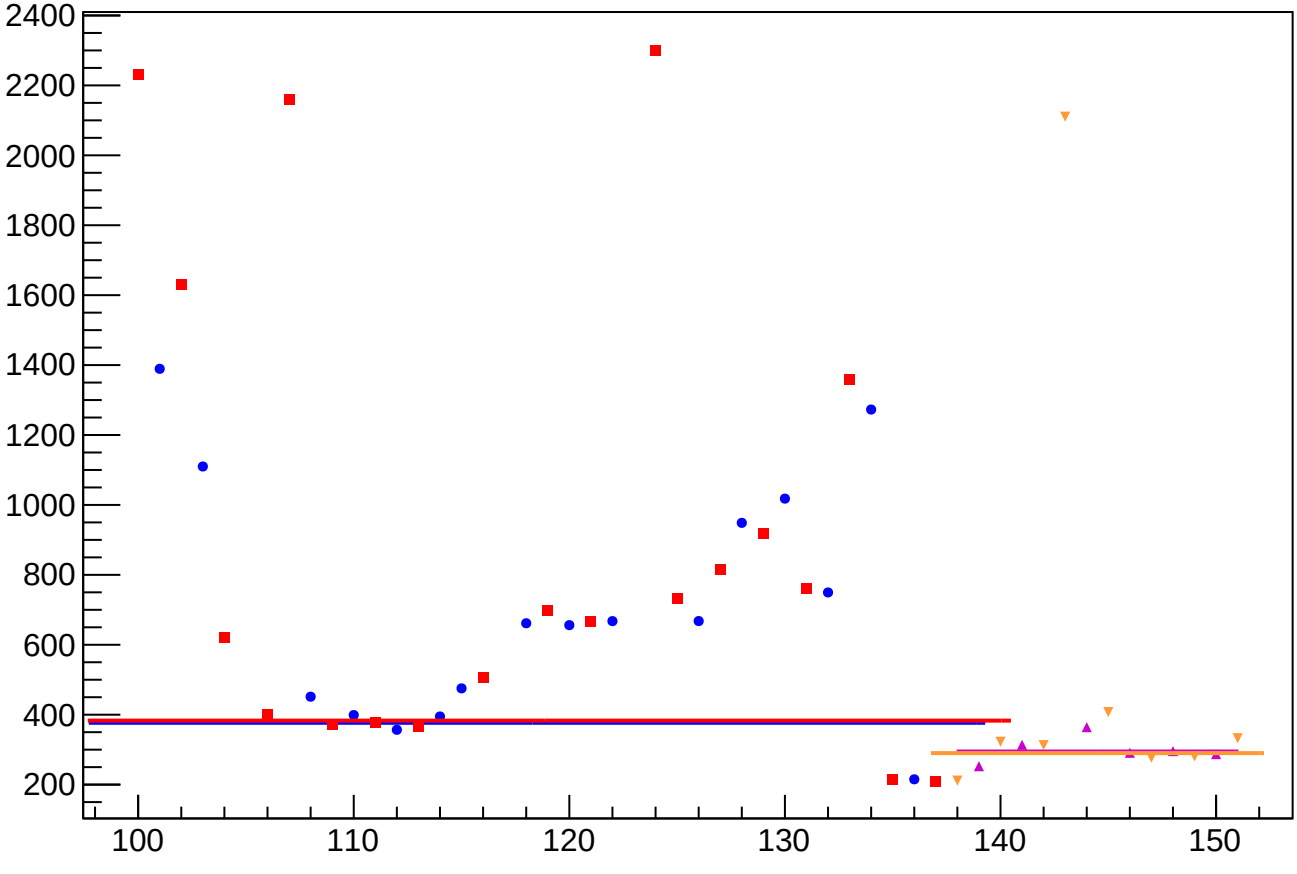
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -40.905+/-102.894 χ^2/NDF:26.8/21

Out: 37.666+/-100.859 χ^2/NDF:34.8/26

All: -0.835+/-72.027 χ^2/NDF: 61.9/48

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: 290.119+/-0.089 χ^2/NDF:1606586.2/7

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 294.720+/-0.092 χ^2/NDF:117258.5/5

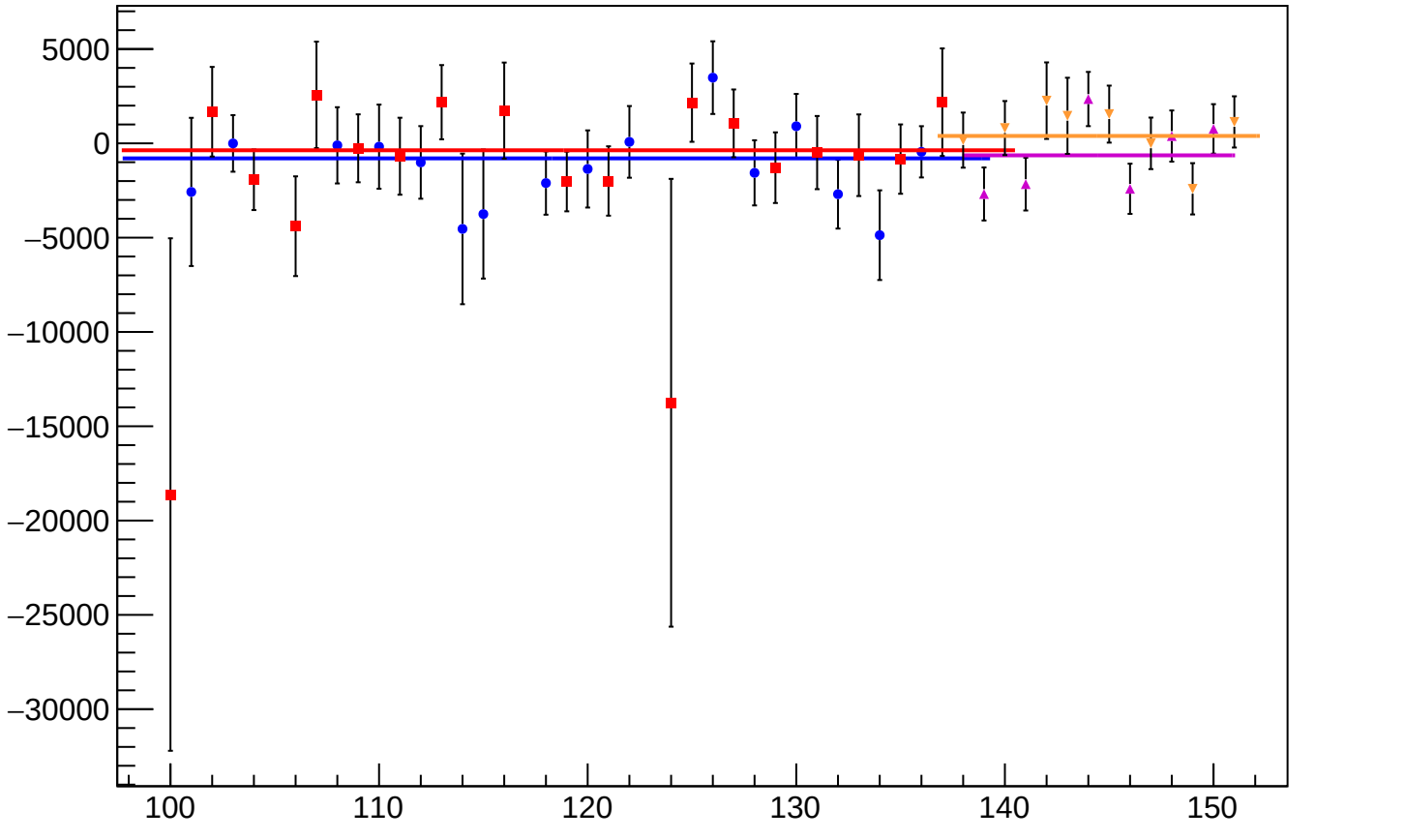
Left: 292.337+/-0.064 χ^2/NDF: 1725140.8/13

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 325.470+/-0.073 χ^2/NDF:4606157.7/21

Out: 323.002+/-0.071 χ^2/NDF:6049074.3/26

All: 324.211+/-0.051 χ^2/NDF: 10655818.4/48



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -635.849+/-559.690 χ^2/NDF:11.1/5

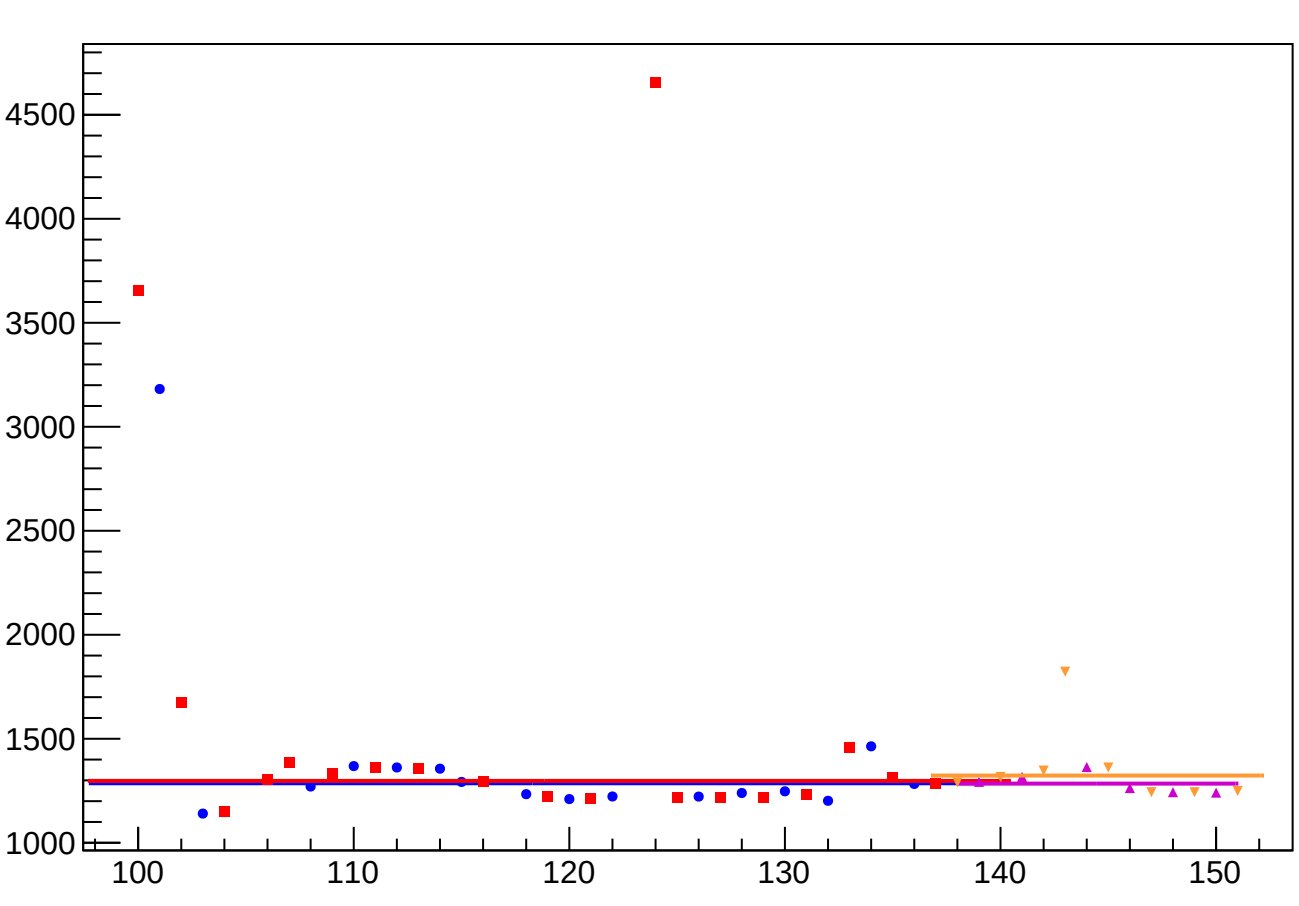
Left: -98.072+/-386.535 χ^2/NDF: 19.3/13

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -727.422+/-367.586 χ^2/NDF:24.6/21

Out: -23.311+/-359.712 χ^2/NDF:23.2/26

All: -367.744+/-257.093 χ^2/NDF: 49.7/48



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

Left: 1304.685+/-0.273 χ^2/NDF: 161861.0/13

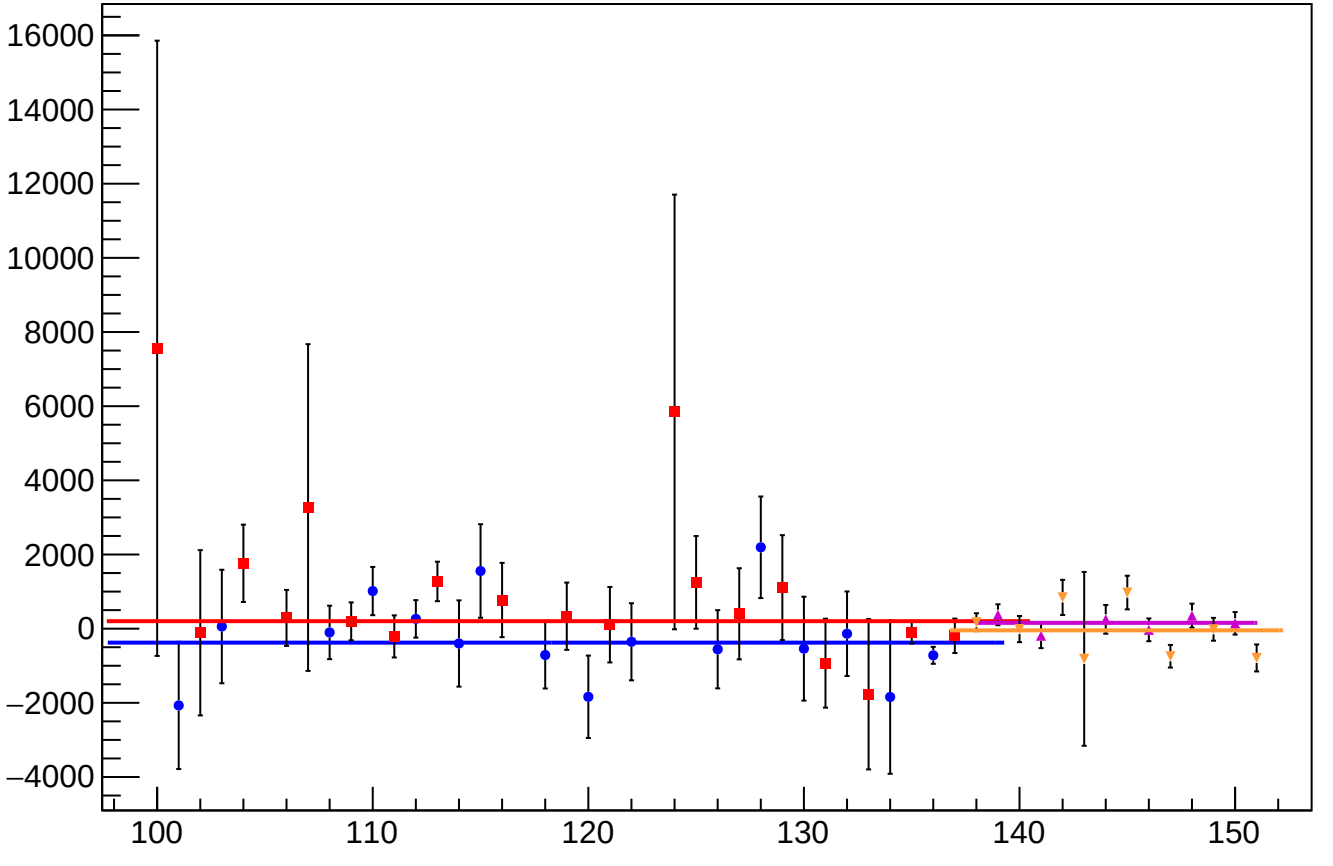
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1285.369+/-0.260 χ^2/NDF:529965.6/21

Out: 1309.072+/-0.254 χ^2/NDF:475303.1/26

All: 1297.477+/-0.182 χ^2/NDF: 1009516.7/48

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: -45.186+/-125.467 χ^2/NDF:18.9/7

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 157.327+/-130.068 χ^2/NDF:2.5/5

Left: 52.425+/-90.301 χ^2/NDF: 22.7/13

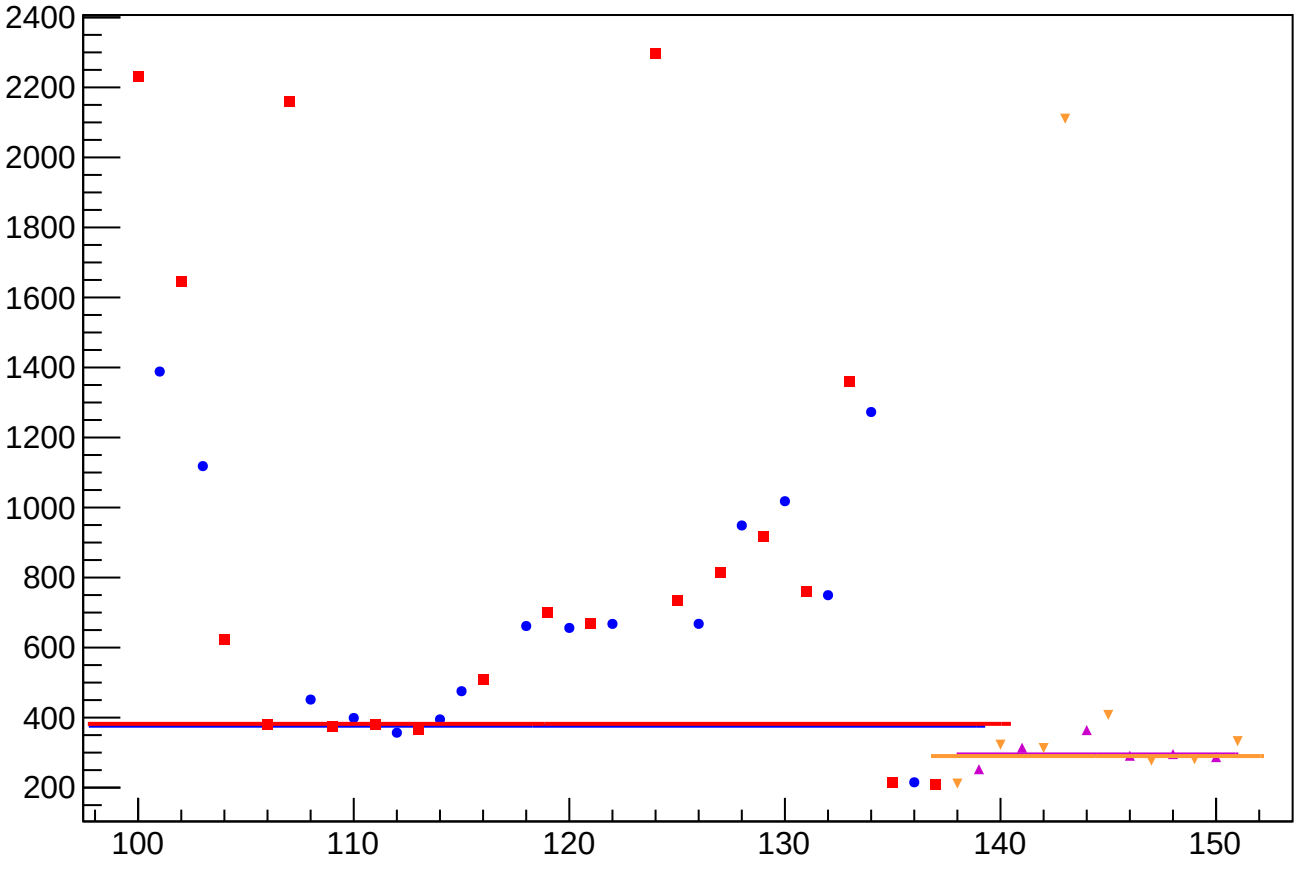
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -42.505+/-102.898 χ^2/NDF:26.7/21

Out: 42.444+/-100.819 χ^2/NDF:34.4/26

All: 0.836+/-72.014 χ^2/NDF: 61.4/48

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 294.717+/-0.092 χ^2/NDF:117243.7/5

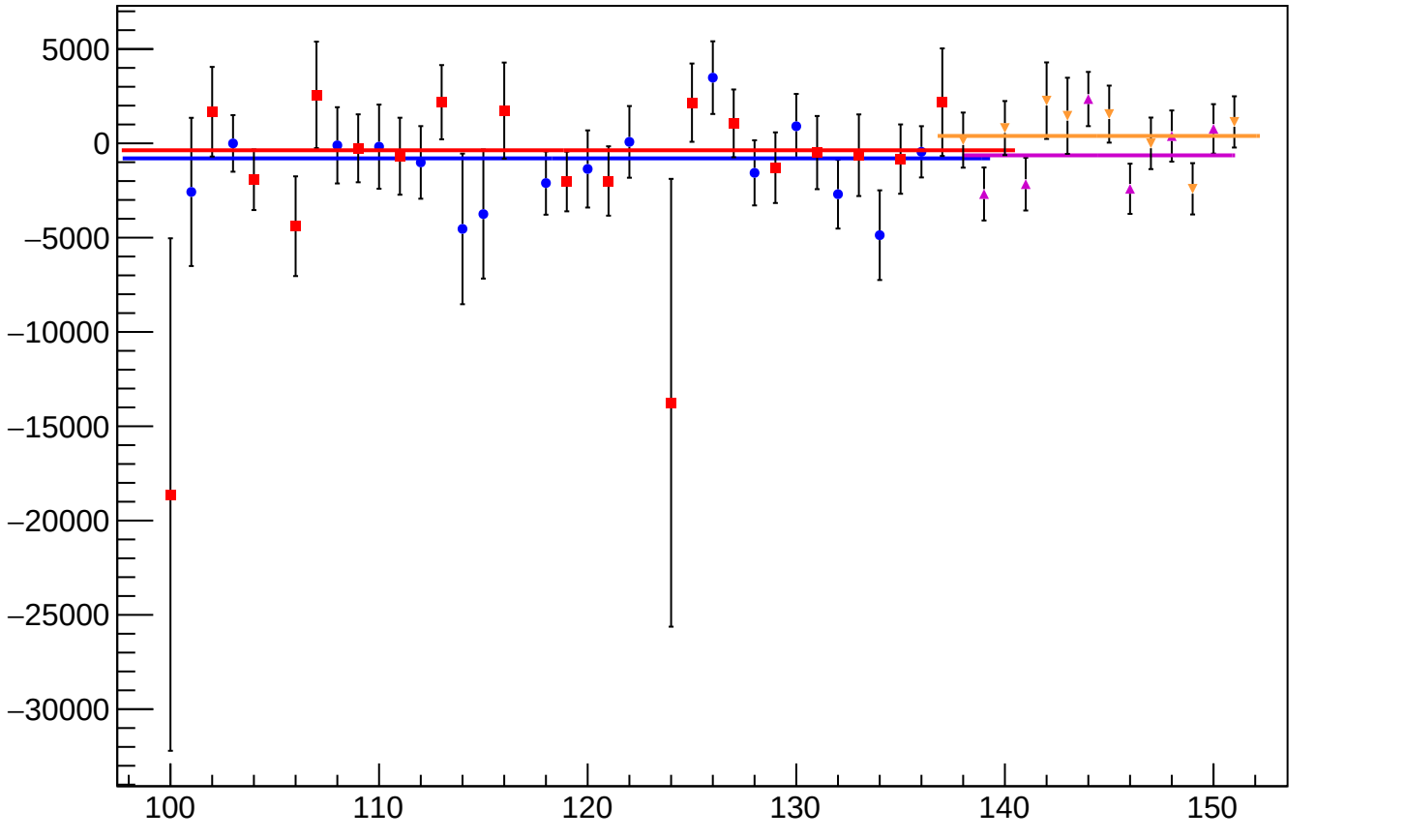
Left: 292.341+/-0.064 χ^2/NDF: 1725117.5/13

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 325.460+/-0.073 χ^2/NDF:4609193.2/21

Out: 322.728+/-0.071 χ^2/NDF:6047232.8/26

All: 324.066+/-0.051 χ^2/NDF: 10657145.1/48



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -635.849+/-559.690 χ^2/NDF:11.1/5

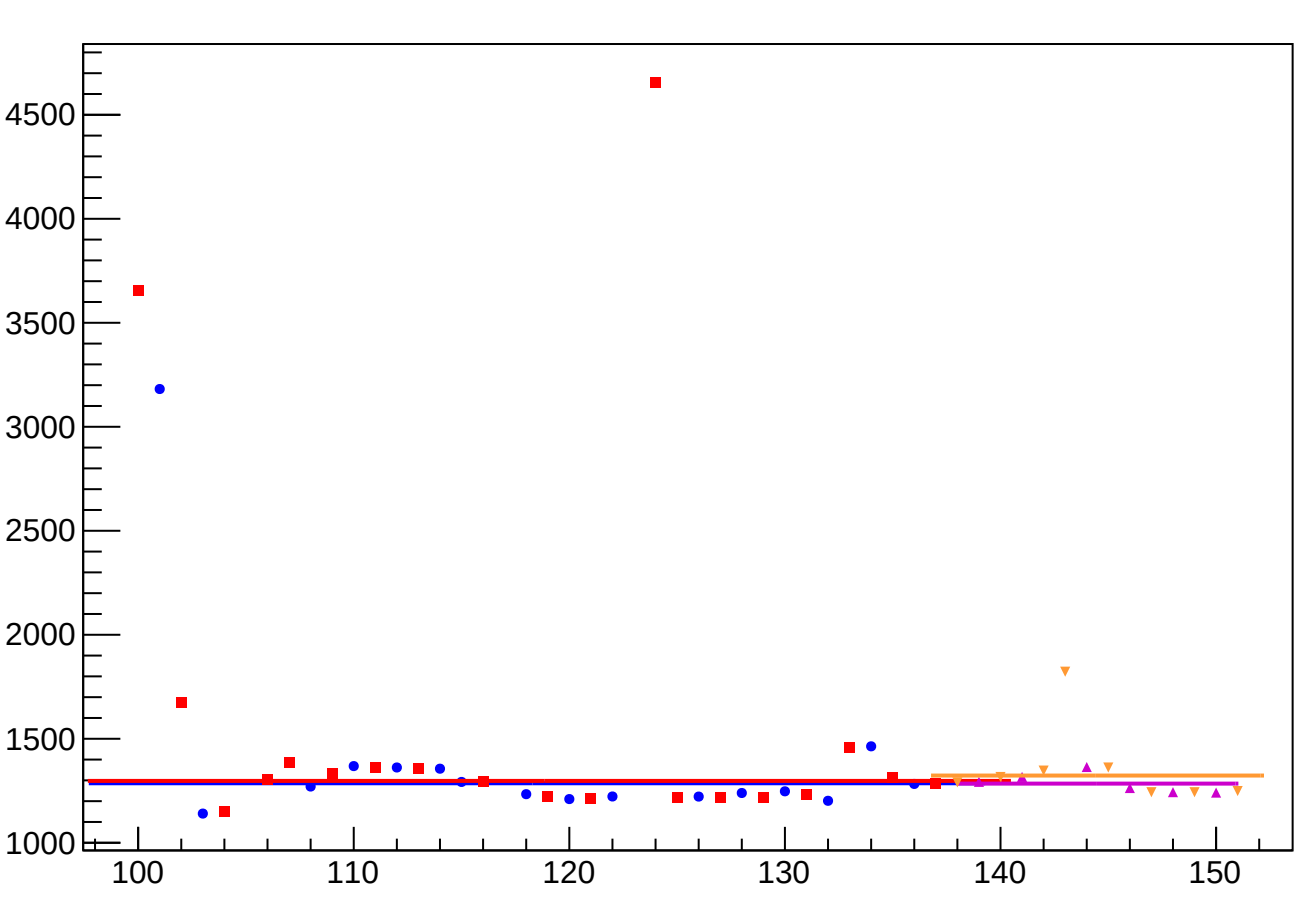
Left: -98.072+/-386.535 χ^2/NDF: 19.3/13

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -727.422+/-367.586 χ^2/NDF:24.6/21

Out: -23.311+/-359.712 χ^2/NDF:23.2/26

All: -367.744+/-257.093 χ^2/NDF: 49.7/48



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

Left: 1304.685+/-0.273 χ^2/NDF: 161861.0/13

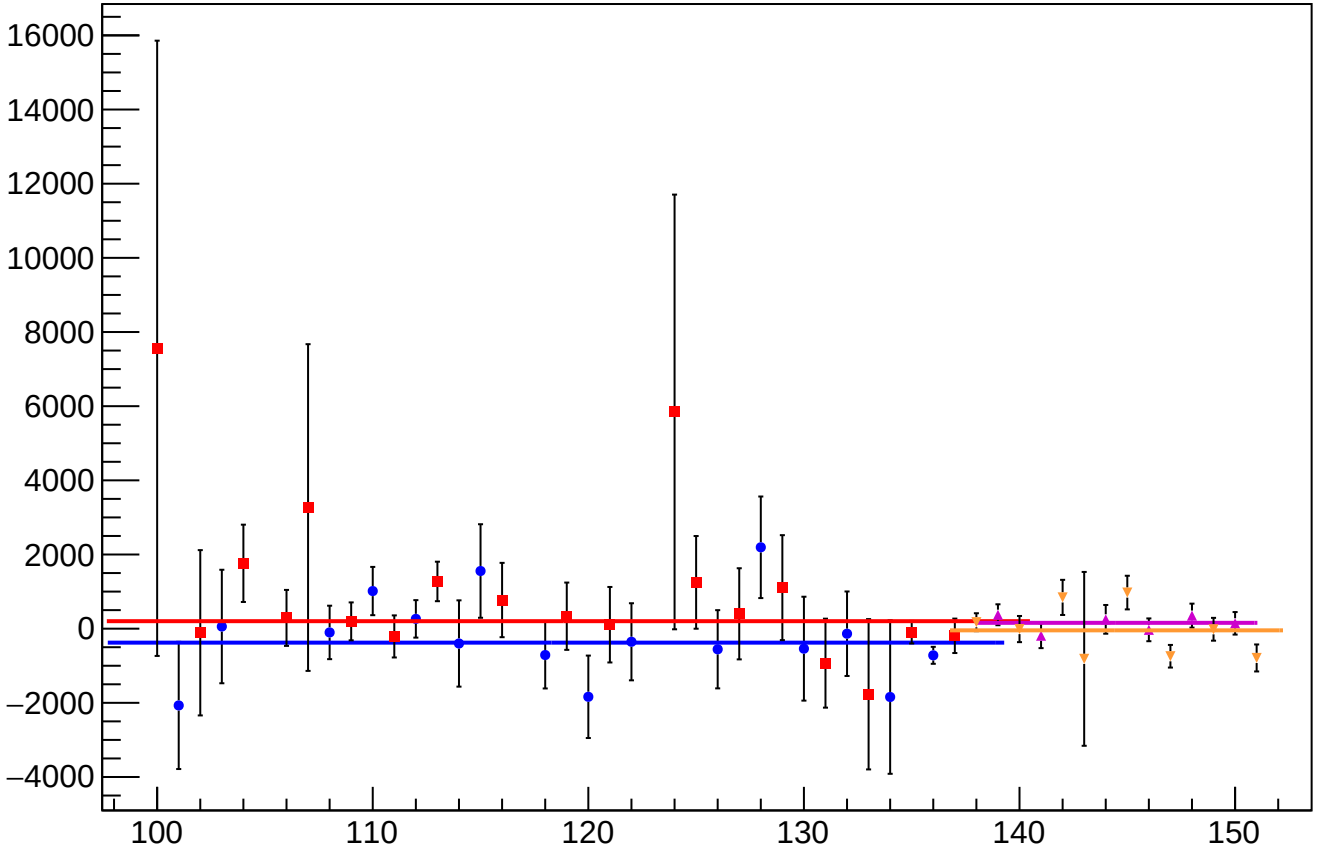
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1285.369+/-0.260 χ^2/NDF:529965.6/21

Out: 1309.072+/-0.254 χ^2/NDF:475303.1/26

All: 1297.477+/-0.182 χ^2/NDF: 1009516.7/48

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -45.186+/-125.467 χ^2/NDF:18.9/7

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 157.327+/-130.068 χ^2/NDF:2.5/5

Left: 52.425+/-90.301 χ^2/NDF: 22.7/13

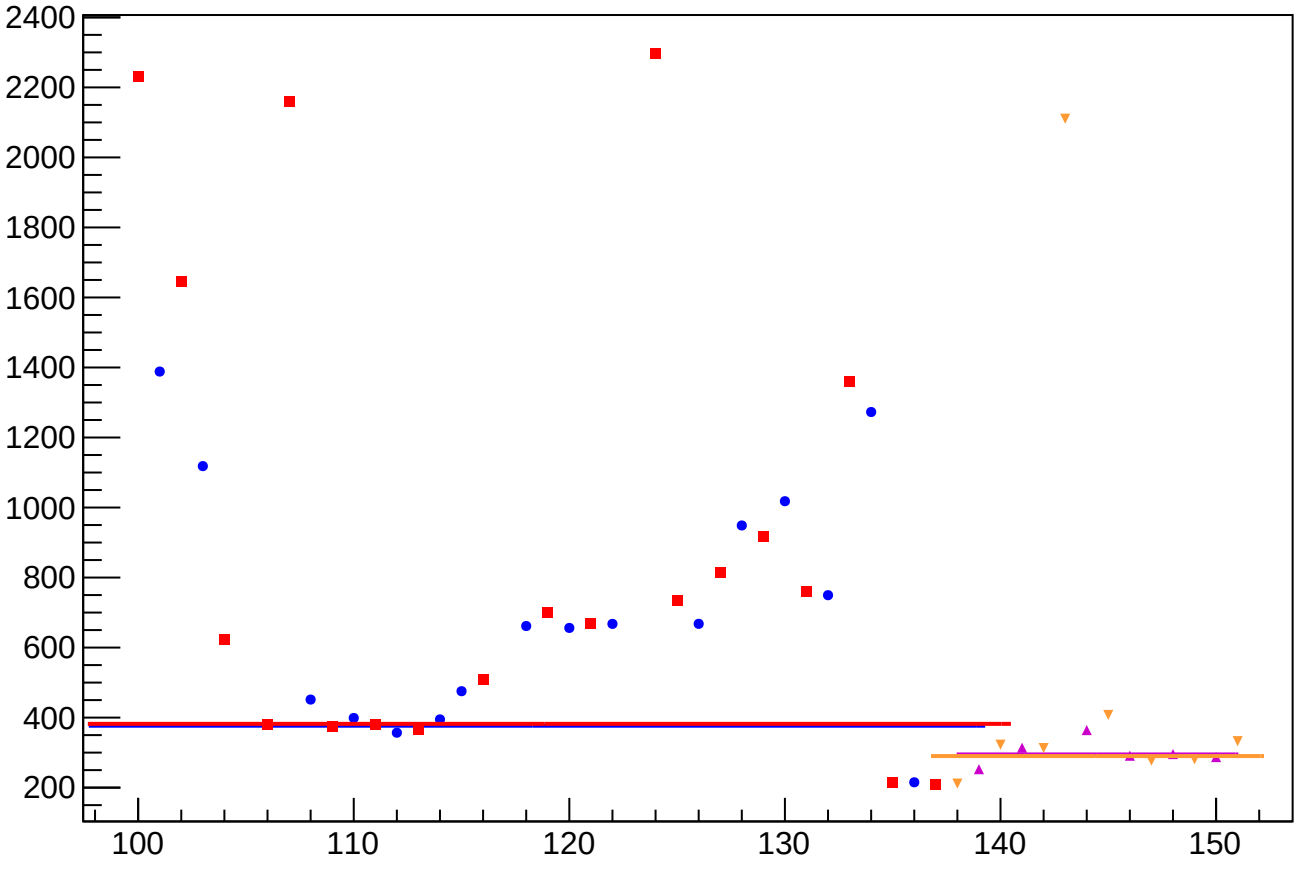
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -42.505+/-102.898 χ^2/NDF:26.7/21

Out: 42.444+/-100.819 χ^2/NDF:34.4/26

All: 0.836+/-72.014 χ^2/NDF: 61.4/48

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: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 294.717+/-0.092 χ^2/NDF:117243.7/5

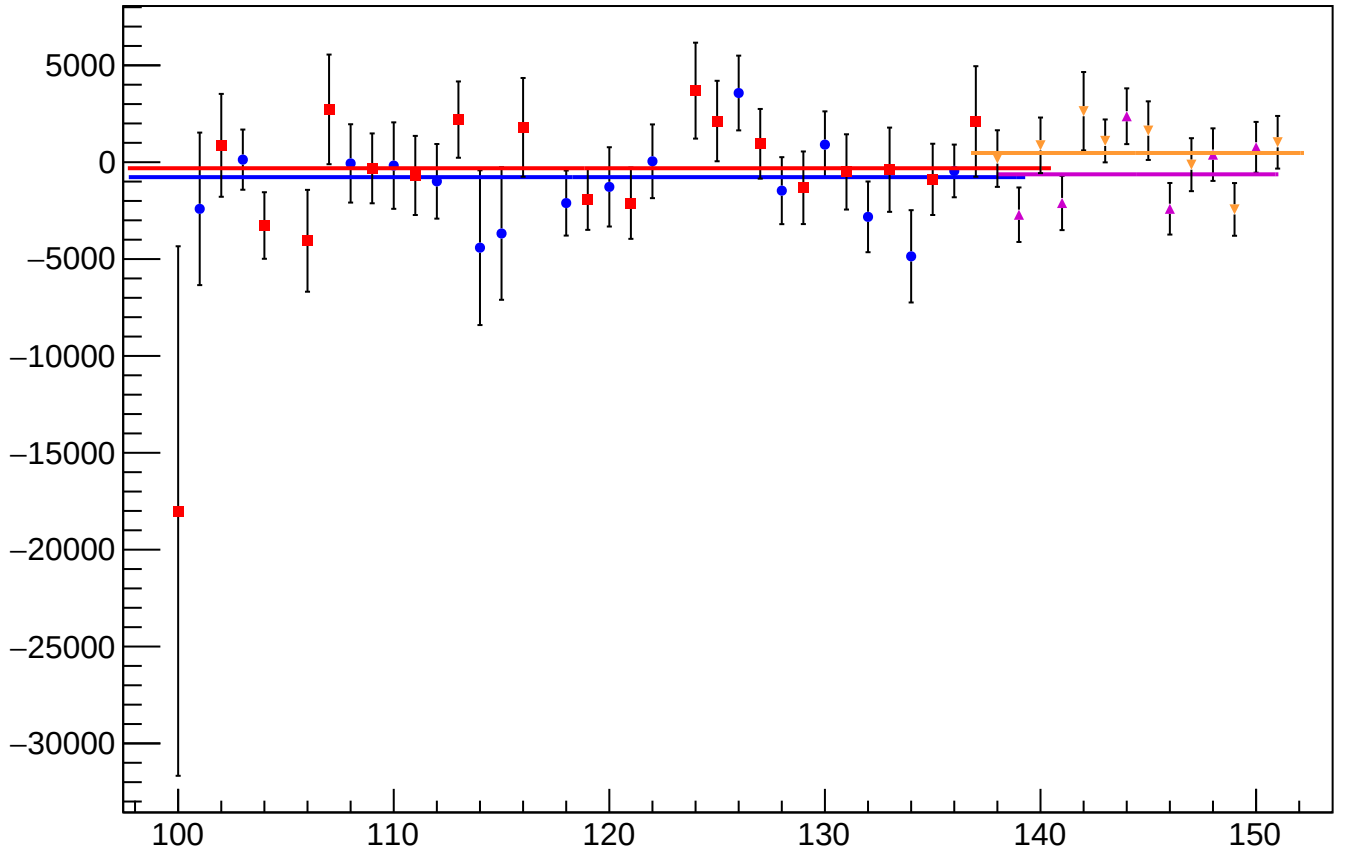
Left: 292.341+/-0.064 χ^2/NDF: 1725117.5/13

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 325.460+/-0.073 χ^2/NDF:4609193.2/21

Out: 322.728+/-0.071 χ^2/NDF:6047232.8/26

All: 324.066+/-0.051 χ^2/NDF: 10657145.1/48



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -625.530+/-560.105 χ^2/NDF:11.1/5

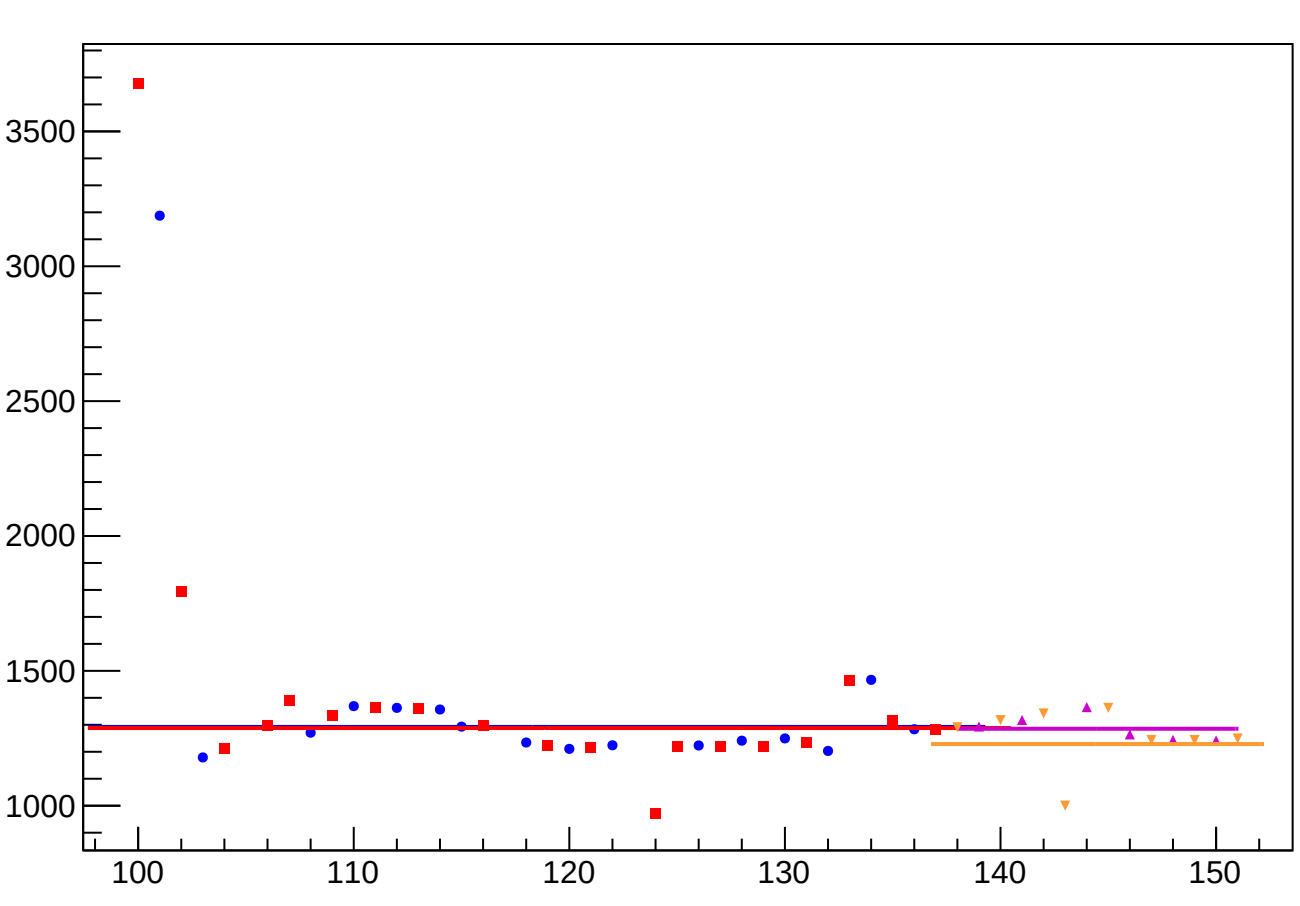
Left: -8.107+/-371.231 χ^2/NDF: 20.4/13

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -708.274+/-368.623 χ^2/NDF:24.8/21

Out: 71.544+/-345.825 χ^2/NDF:26.3/26

All: -293.507+/-252.210 χ^2/NDF: 53.5/48



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1228.585+/-0.351 χ^2/NDF:119342.2/7

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1285.350+/-0.396 χ^2/NDF:11910.9/5

Left: 1253.522+/-0.262 χ^2/NDF: 142771.4/13

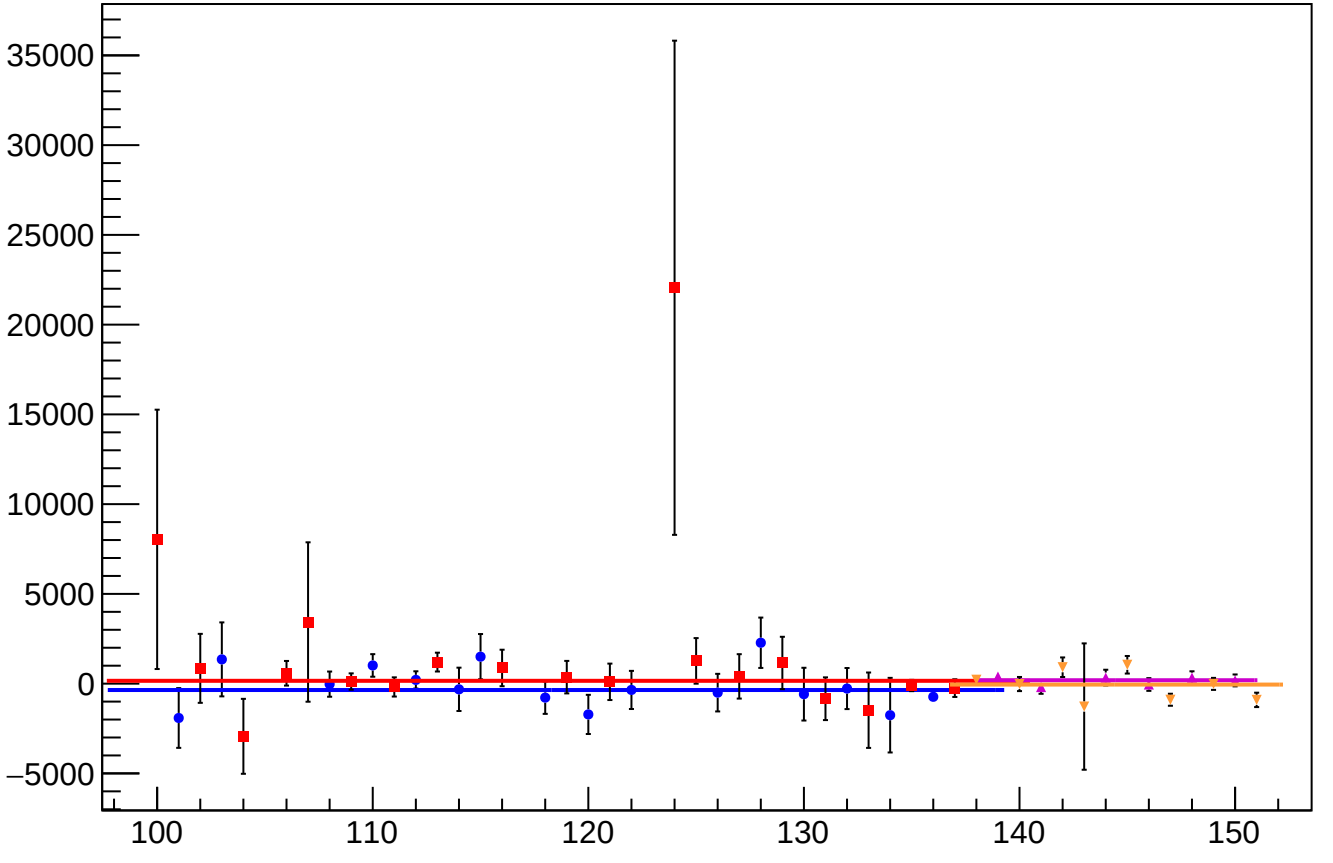
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1289.141+/-0.261 χ^2/NDF:521478.8/21

Out: 1259.083+/-0.245 χ^2/NDF:343293.1/26

All: 1273.154+/-0.178 χ^2/NDF: 871844.7/48

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: -51.724+/-134.871 χ^2/NDF:20.5/7

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 189.832+/-140.942 χ^2/NDF:2.3/5

Left: 63.740+/-97.444 χ^2/NDF: 24.3/13

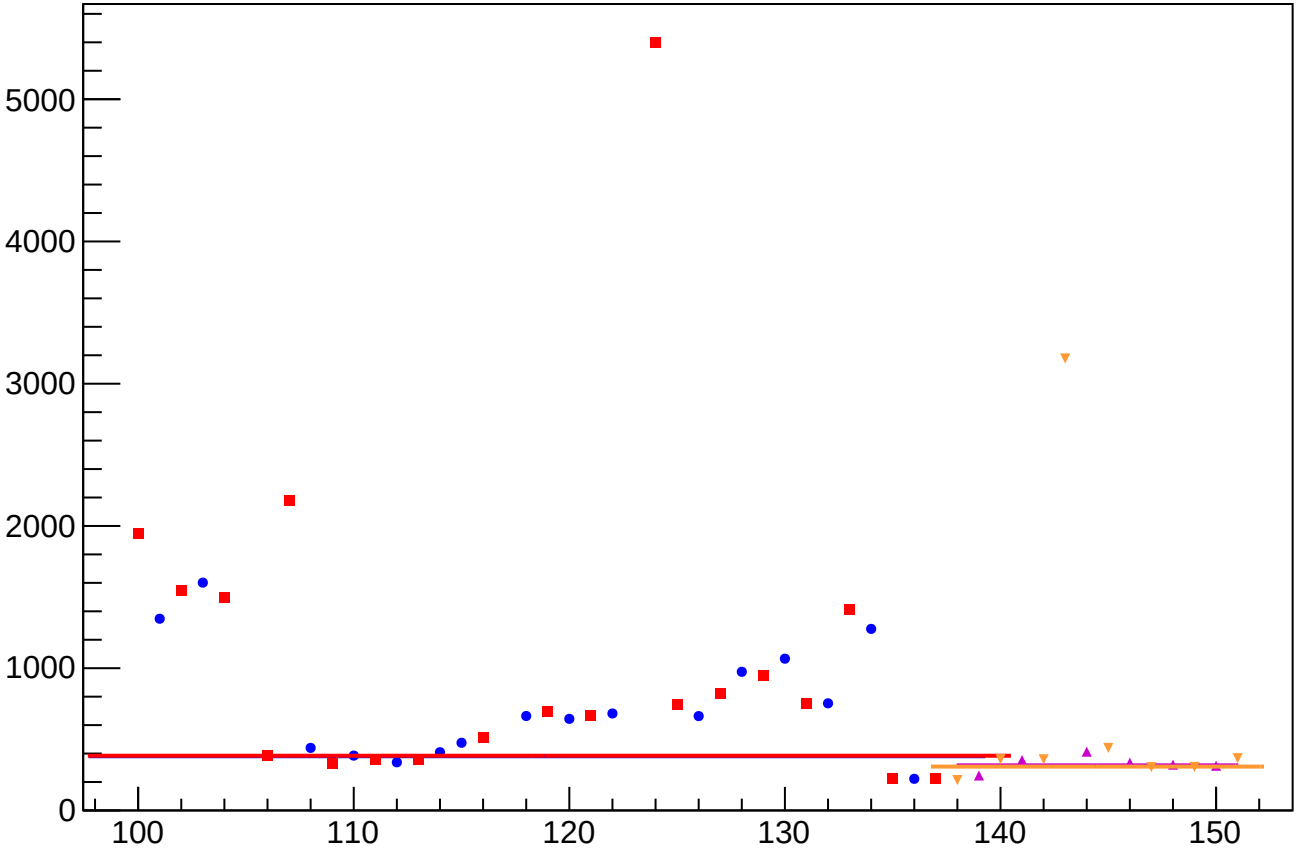
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -32.247+/-108.494 χ^2/NDF:26.8/21

Out: 29.456+/-105.577 χ^2/NDF:37.3/26

All: -0.555+/-75.665 χ^2/NDF: 64.2/48

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 308.361+/-0.095 χ^2/NDF:1870928.1/7

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 317.095+/-0.100 χ^2/NDF:254082.3/5

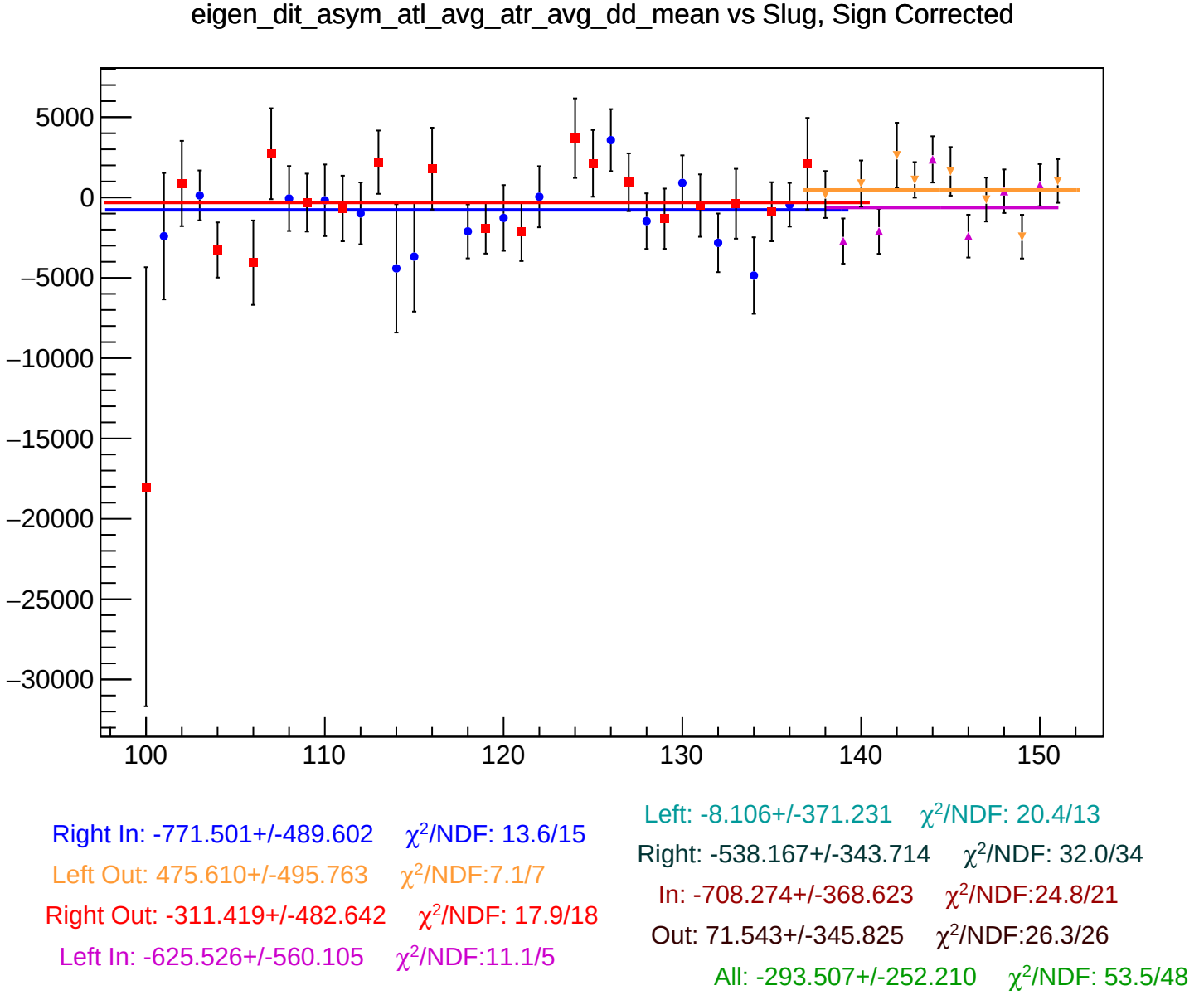
Left: 312.536+/-0.069 χ^2/NDF: 2129019.4/13

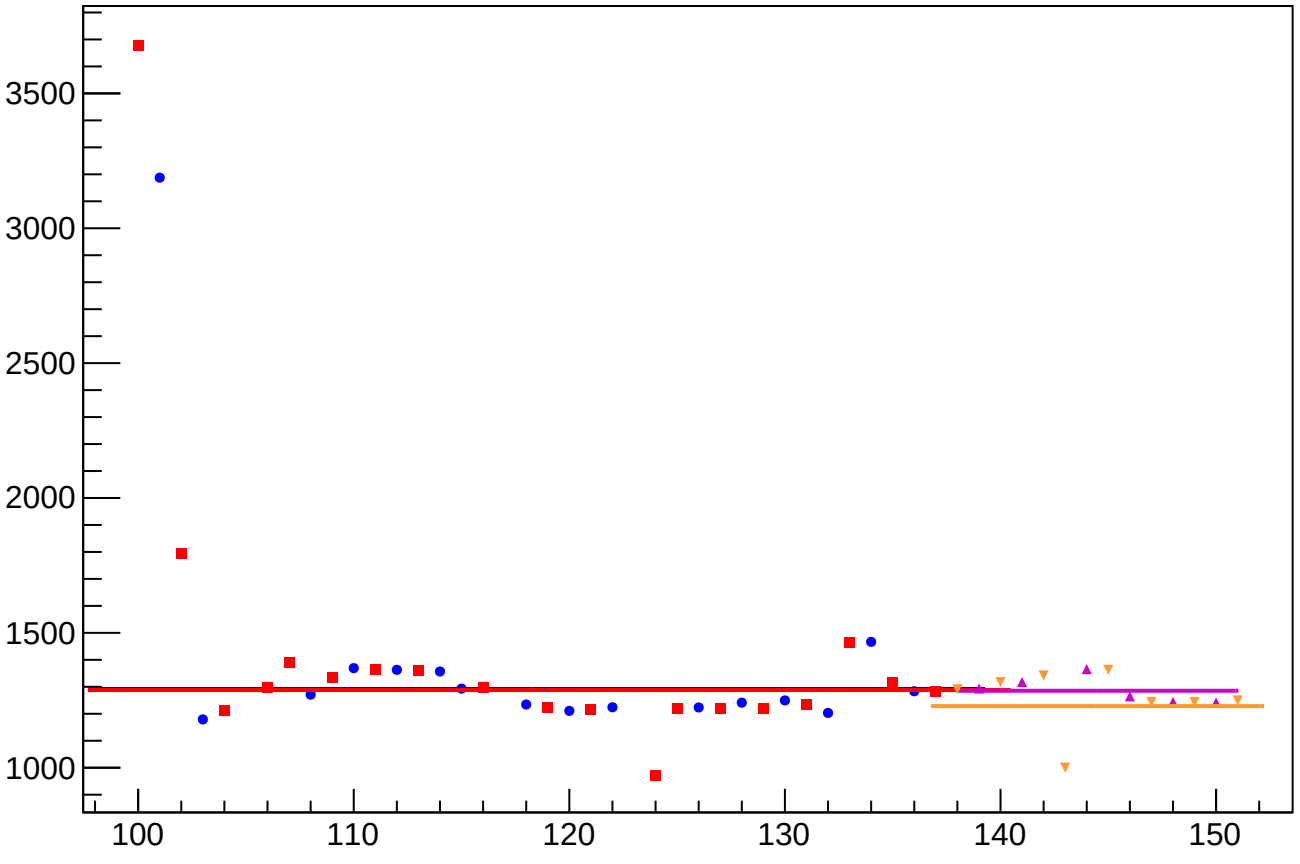
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 343.275+/-0.077 χ^2/NDF:4741368.3/21

Out: 337.902+/-0.075 χ^2/NDF:6678926.3/26

All: 340.515+/-0.054 χ^2/NDF: 11422813.6/48


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 475.610+/-495.763 χ²/NDF:7.1/7
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -625.526+/-560.105 χ²/NDF:11.1/5
Left: -8.106+/-371.231 χ²/NDF: 20.4/13
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -708.274+/-368.623 χ²/NDF:24.8/21
Out: 71.543+/-345.825 χ²/NDF:26.3/26
All: -293.507+/-252.210 χ²/NDF: 53.5/48



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1228.586+/-0.351 χ^2/NDF:119341.5/7

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1285.350+/-0.396 χ^2/NDF:11911.0/5

Left: 1253.522+/-0.262 χ^2/NDF: 142770.6/13

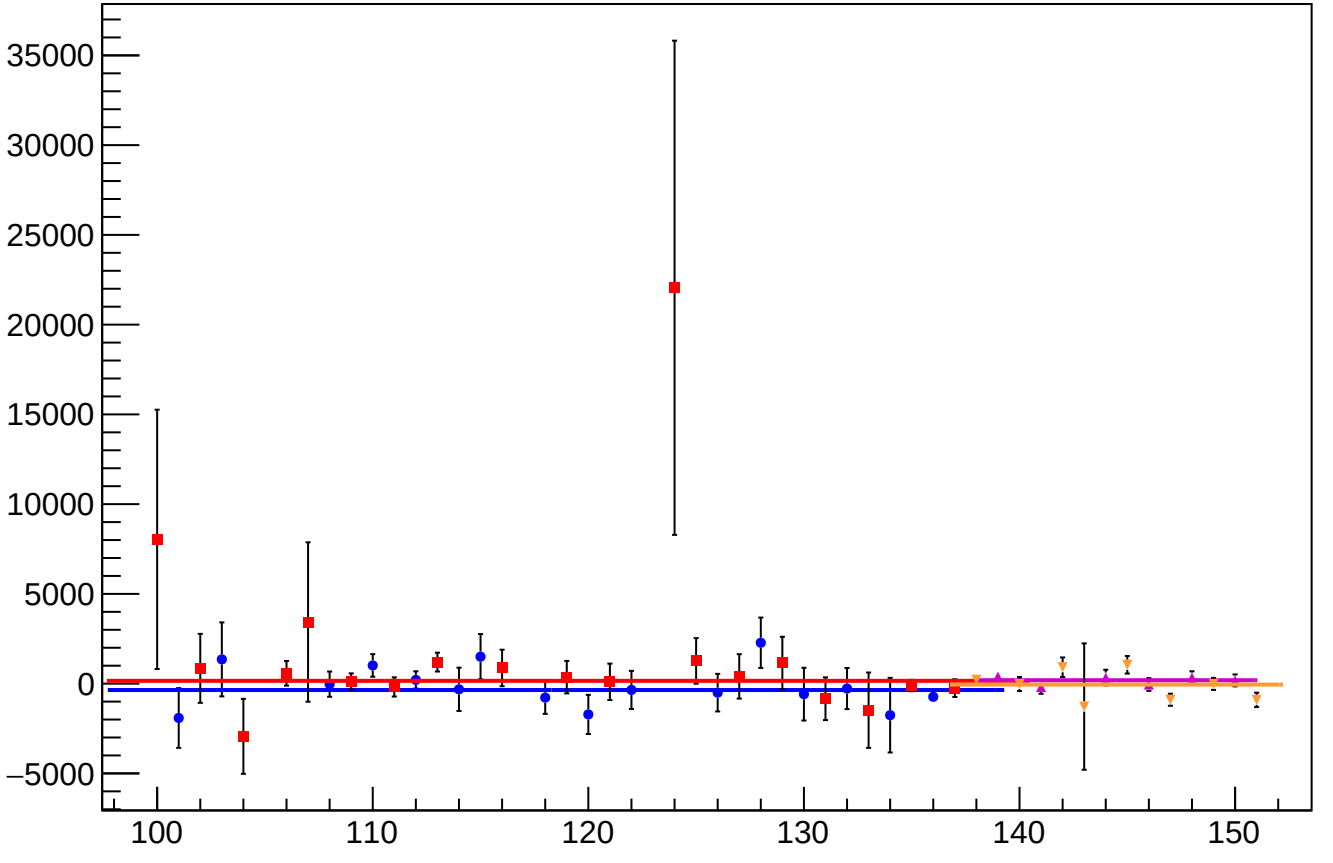
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1289.141+/-0.261 χ^2/NDF:521478.9/21

Out: 1259.084+/-0.245 χ^2/NDF:343292.5/26

All: 1273.154+/-0.178 χ^2/NDF: 871844.0/48

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: -51.734+/-134.873 χ^2/NDF:20.5/7

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 189.833+/-140.944 χ^2/NDF:2.3/5

Left: 63.736+/-97.445 χ^2/NDF: 24.3/13

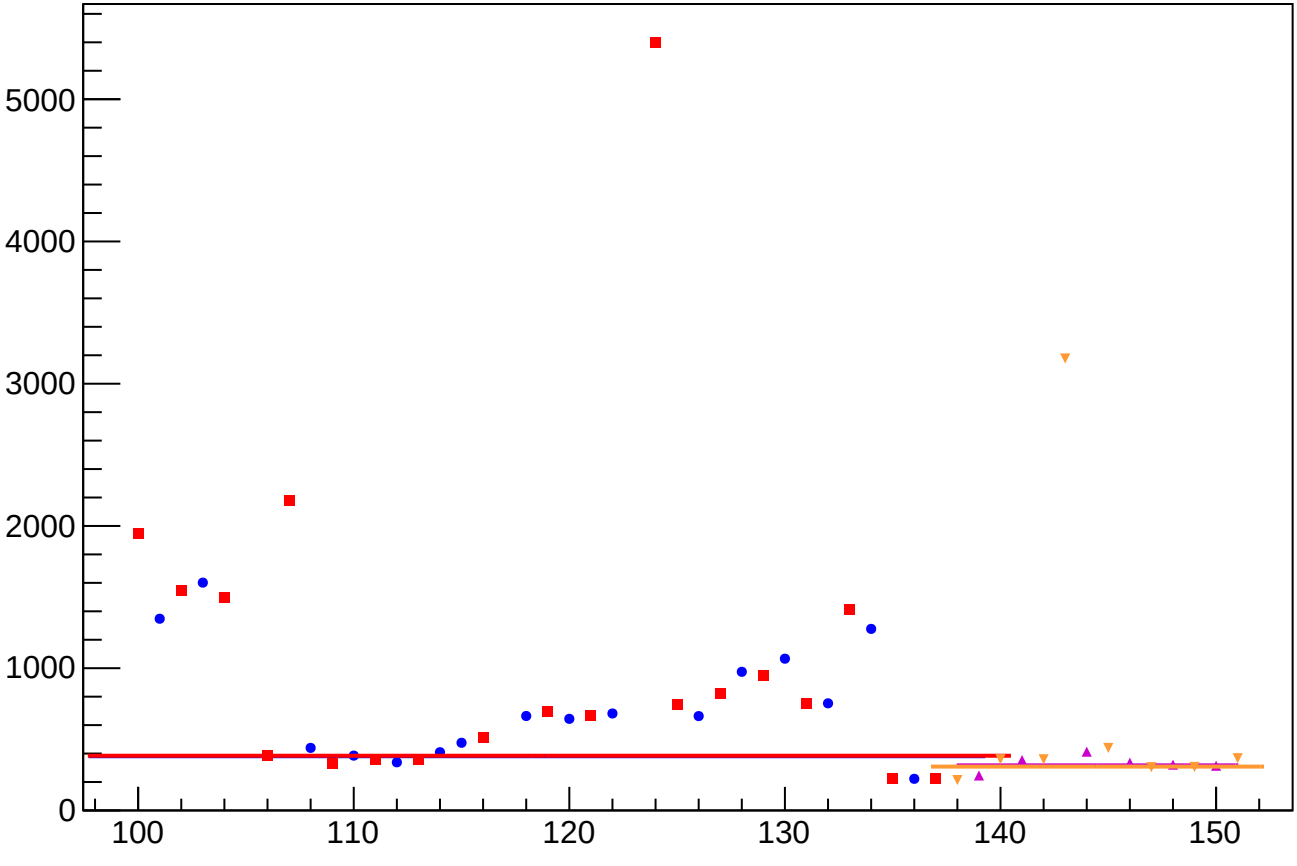
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -32.245+/-108.496 χ^2/NDF:26.8/21

Out: 29.452+/-105.579 χ^2/NDF:37.3/26

All: -0.556+/-75.666 χ^2/NDF: 64.2/48

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: 308.368+/-0.095 χ^2/NDF:1870813.5/7

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 317.100+/-0.100 χ^2/NDF:254013.7/5

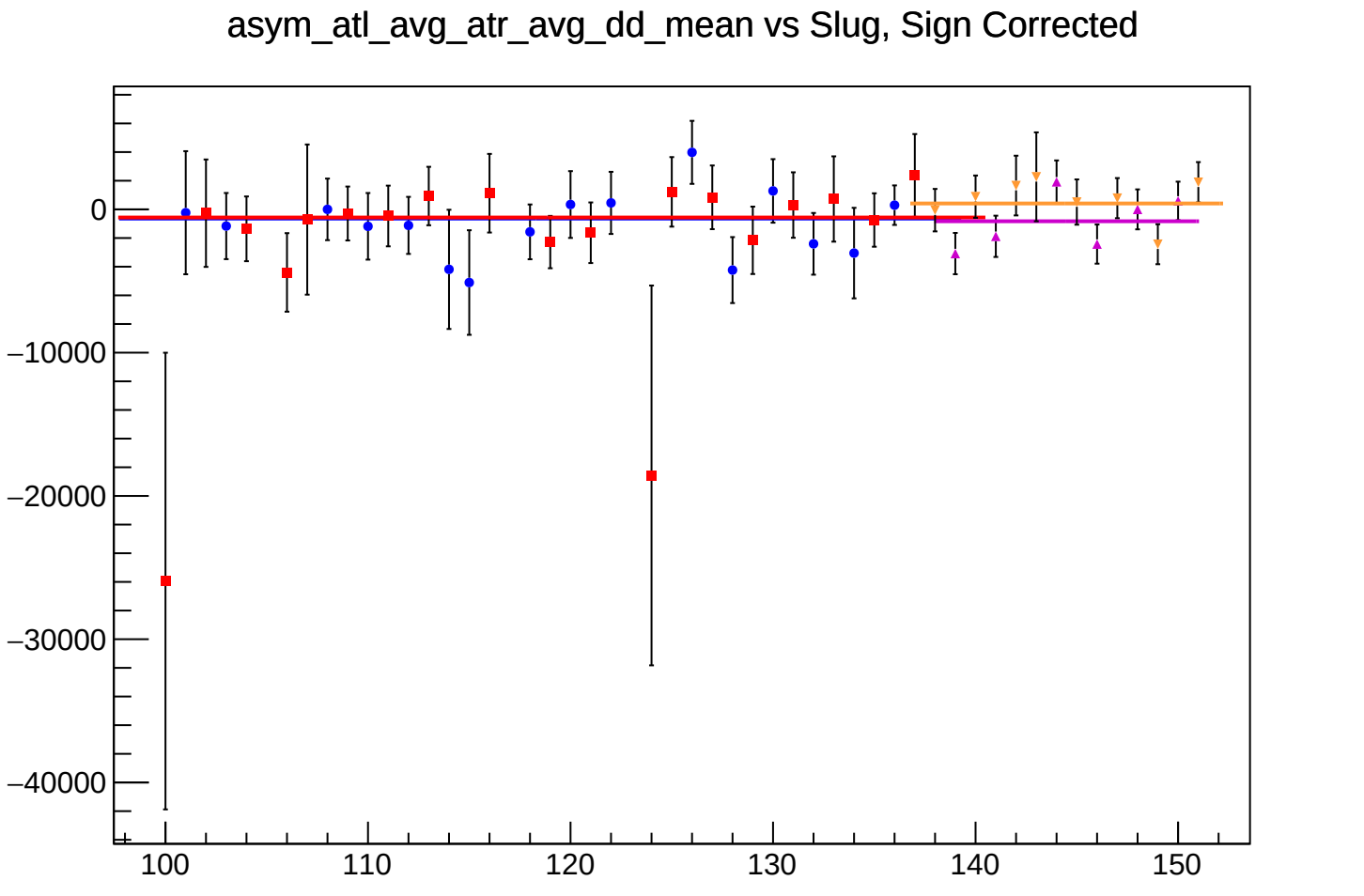
Left: 312.542+/-0.069 χ^2/NDF: 2128834.0/13

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 343.282+/-0.077 χ^2/NDF:4741134.4/21

Out: 337.910+/-0.075 χ^2/NDF:6678667.1/26

All: 340.522+/-0.054 χ^2/NDF: 11422319.9/48



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 411.687+/-561.099 χ^2/NDF:6.3/7

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -828.911+/-575.894 χ^2/NDF:9.2/5

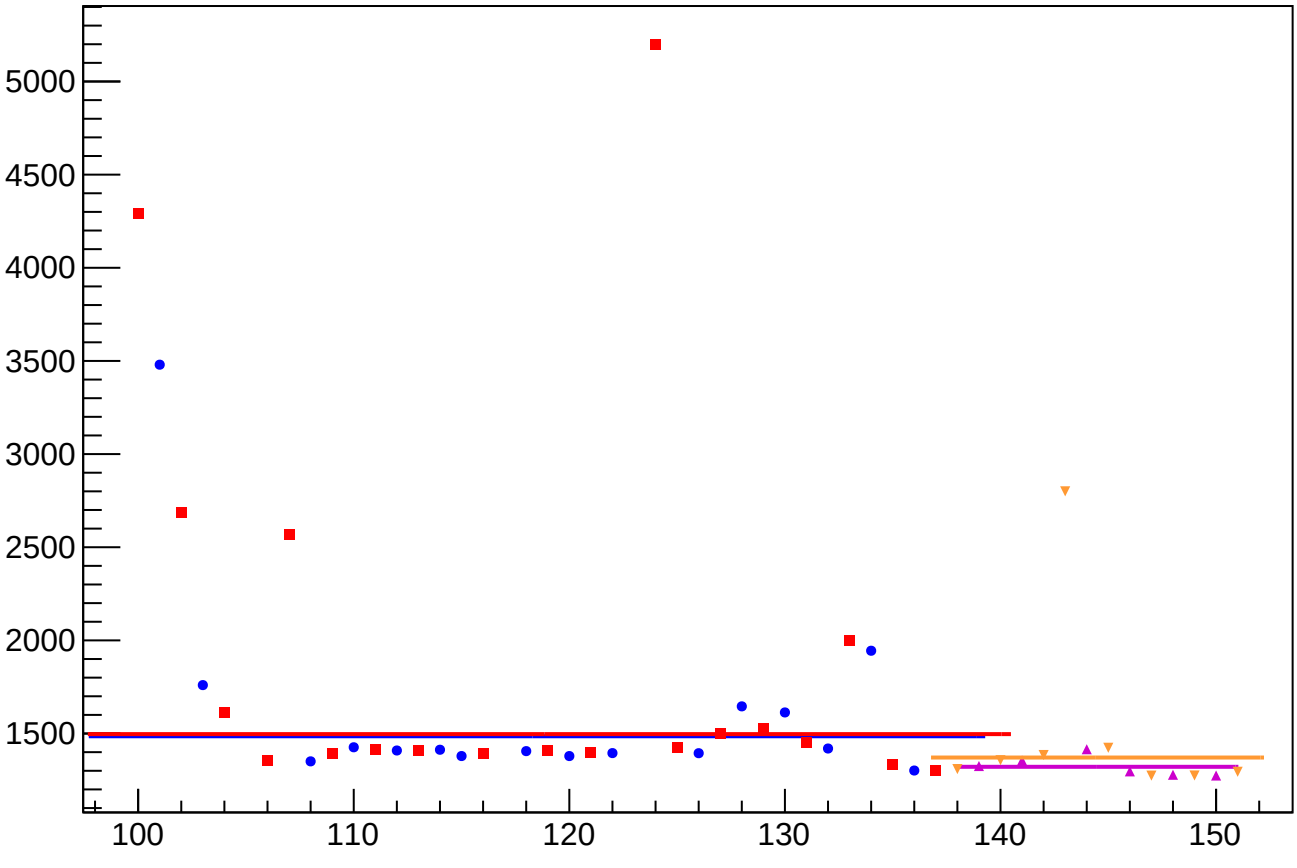
Left: -192.471+/-401.885 χ^2/NDF: 17.9/13

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -732.966+/-403.081 χ^2/NDF:21.7/21

Out: -72.857+/-398.748 χ^2/NDF:19.1/26

All: -399.345+/-283.477 χ^2/NDF: 42.2/48



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1371.200+/-0.397 χ^2/NDF:455087.4/7

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.392+/-0.407 χ^2/NDF:14037.0/5

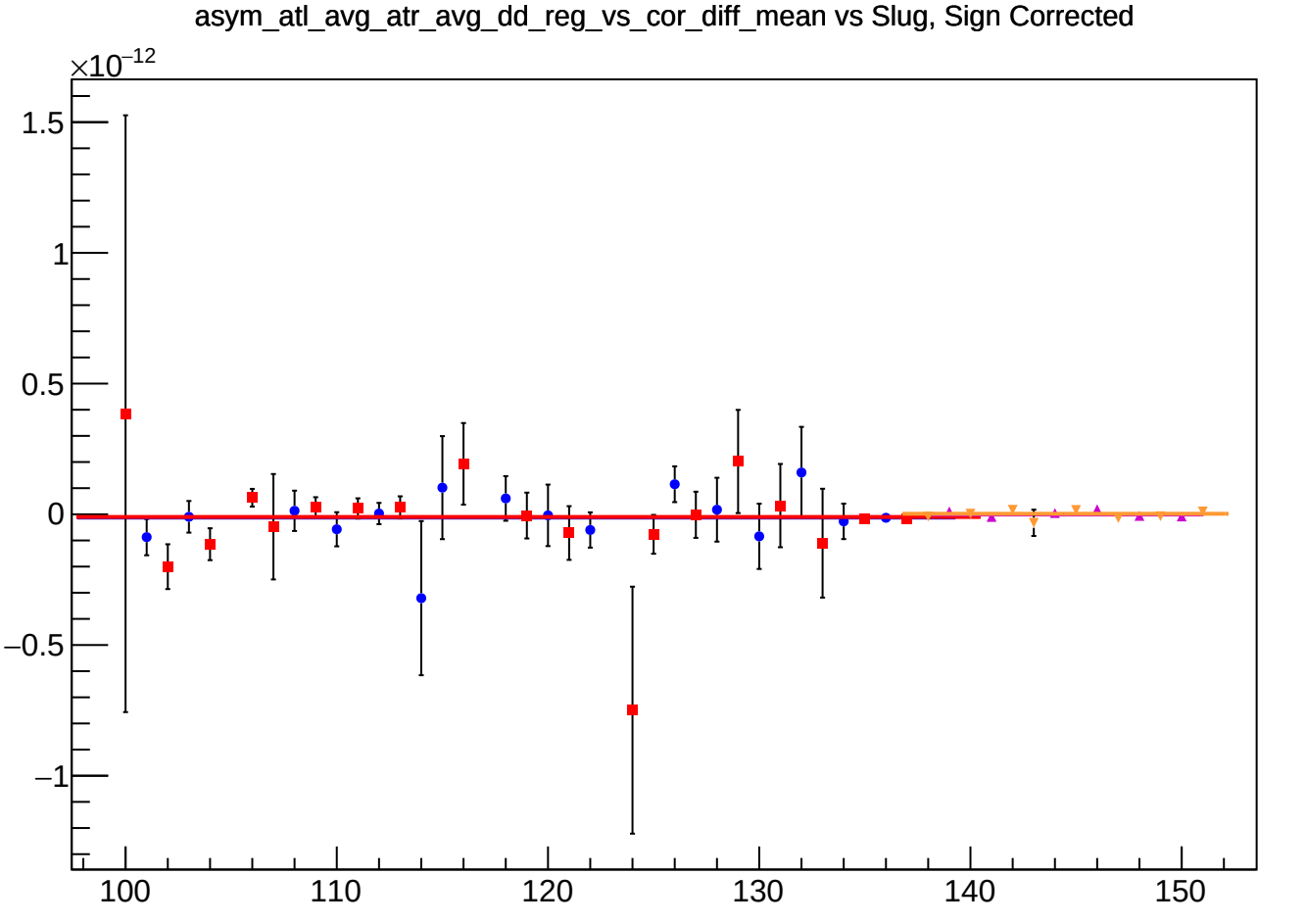
Left: 1346.944+/-0.284 χ^2/NDF: 476799.1/13

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1405.039+/-0.285 χ^2/NDF:681221.5/21

Out: 1433.400+/-0.282 χ^2/NDF:1128035.4/26

All: 1419.373+/-0.200 χ^2/NDF: 1814261.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/5

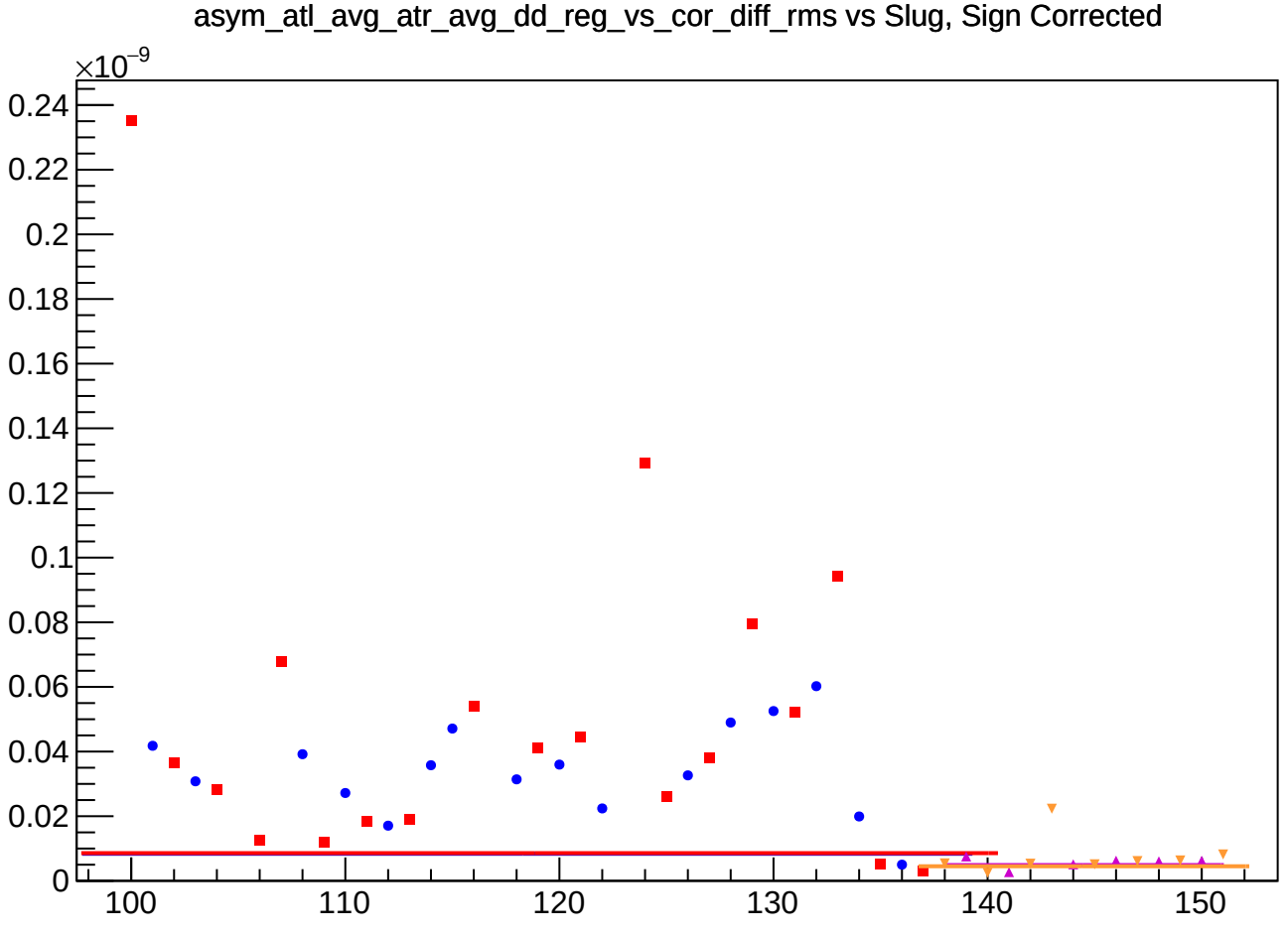
Left: 0.000+/-0.000 χ^2/NDF: 19.0/13

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.2/21

Out: 0.000+/-0.000 χ^2/NDF:34.2/26

All: -0.000+/-0.000 χ^2/NDF: 55.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:910322.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:497850.9/5

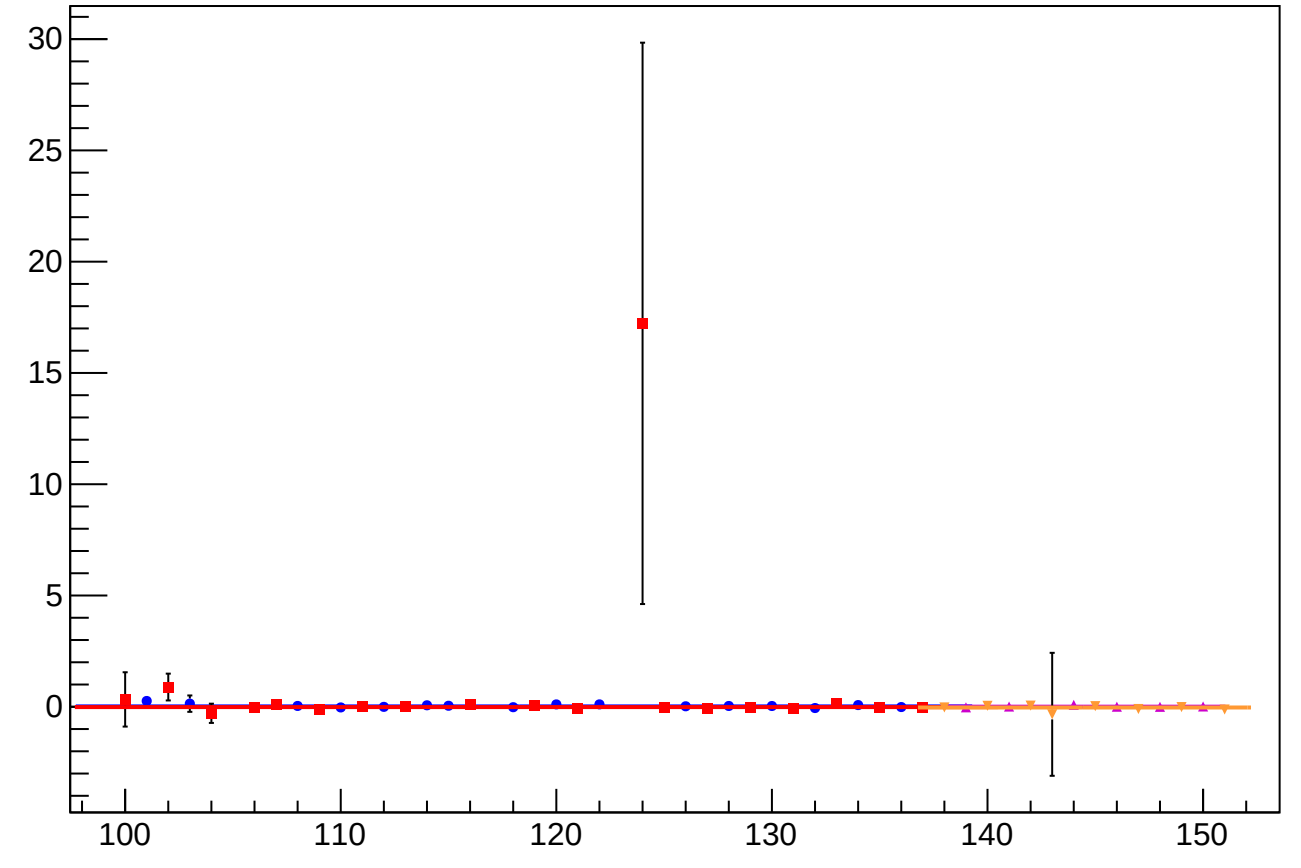
Left: 0.000+/-0.000 χ^2/NDF: 1420802.9/13

Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3918342.9/21

Out: 0.000+/-0.000 χ^2/NDF:4702209.1/26

All: 0.000+/-0.000 χ^2/NDF: 8642684.9/48



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.005+/-0.016 χ^2/NDF:3.5/5

Left: -0.015+/-0.011 χ^2/NDF: 21.5/13

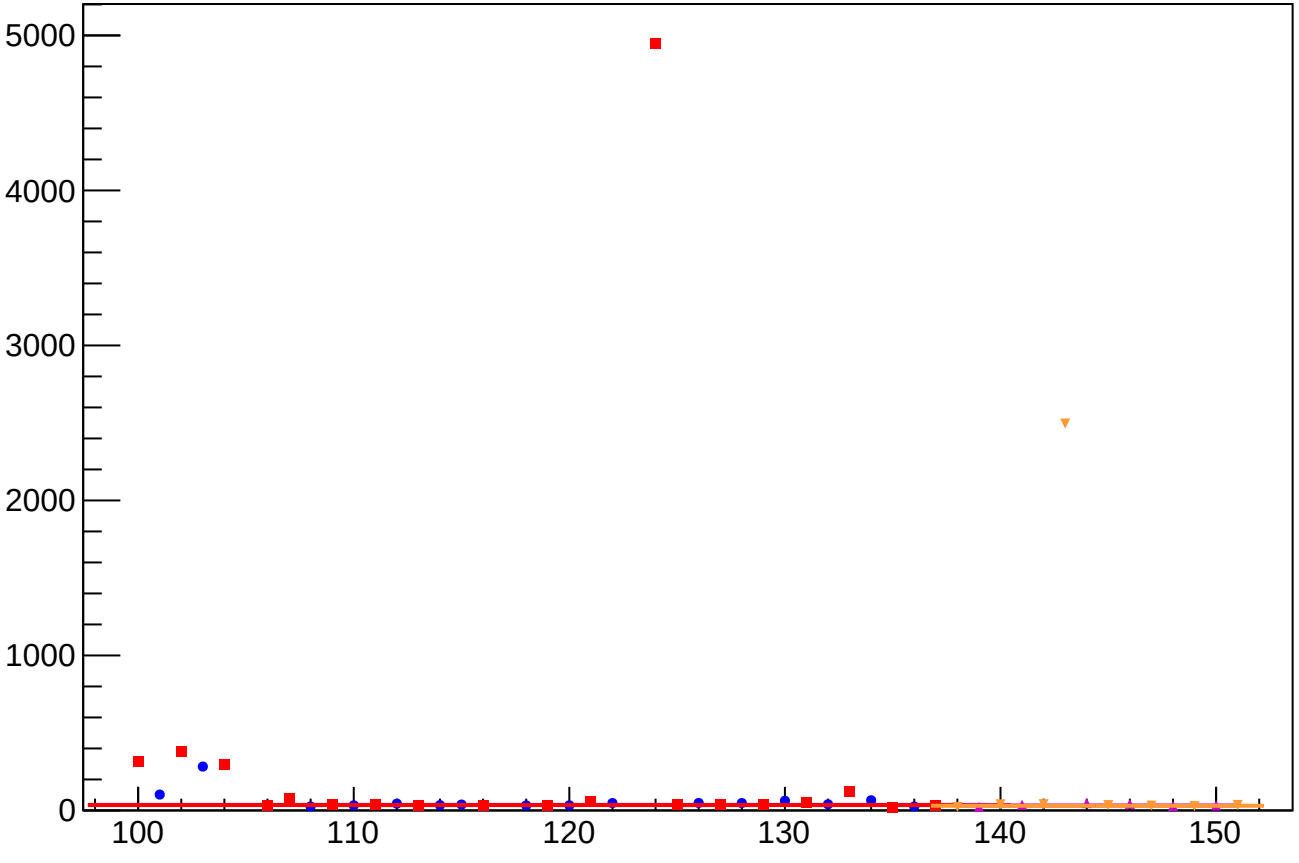
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/21

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.007+/-0.008 χ^2/NDF: 52.2/48

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: 30.357+/-0.010 χ^2/NDF:1942632.7/7

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.274+/-0.011 χ^2/NDF:478490.9/5

Left: 31.233+/-0.007 χ^2/NDF: 2437420.1/13

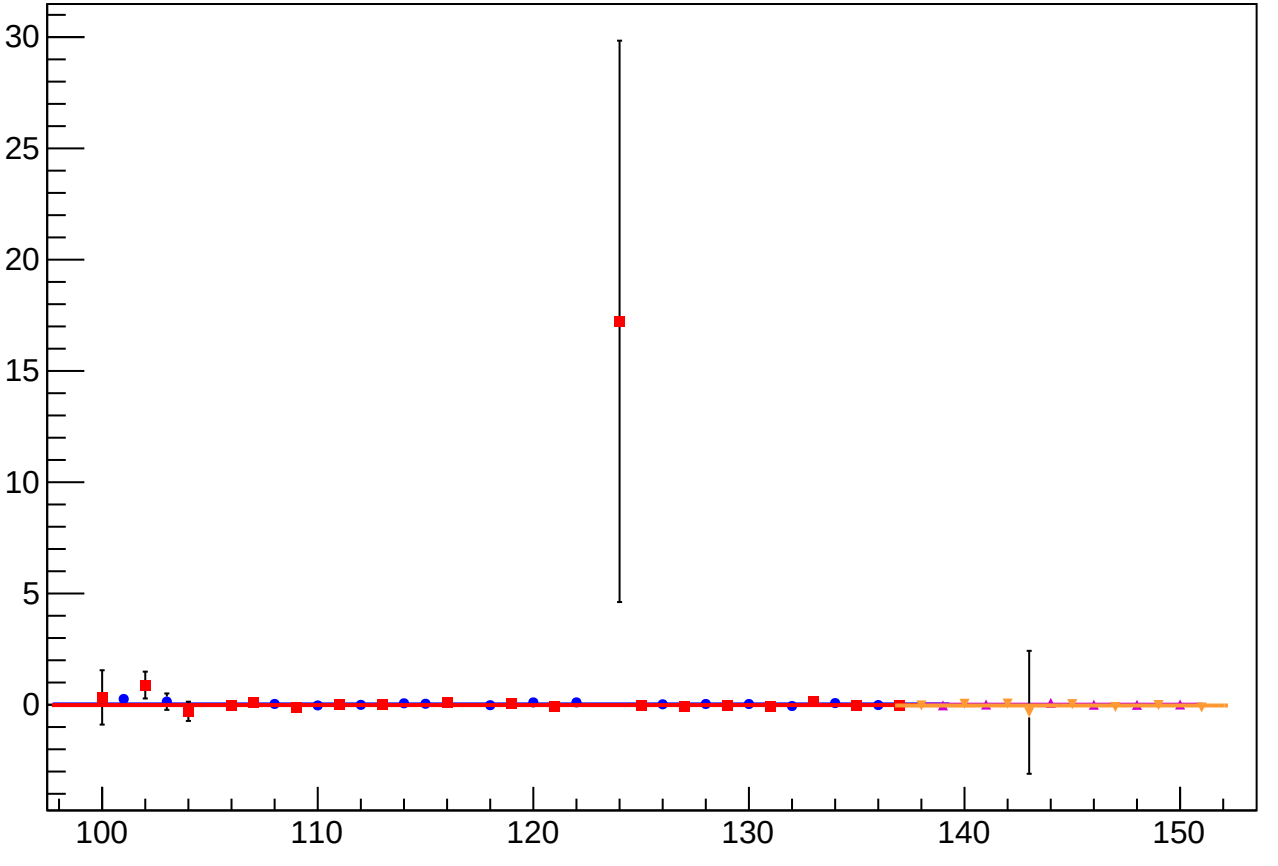
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.030+/-0.008 χ^2/NDF:2793023.5/21

Out: 32.390+/-0.007 χ^2/NDF:4944357.8/26

All: 33.178+/-0.005 χ^2/NDF: 7760523.5/48

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: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.005+/-0.016 χ^2/NDF:3.5/5

Left: -0.015+/-0.011 χ^2/NDF: 21.5/13

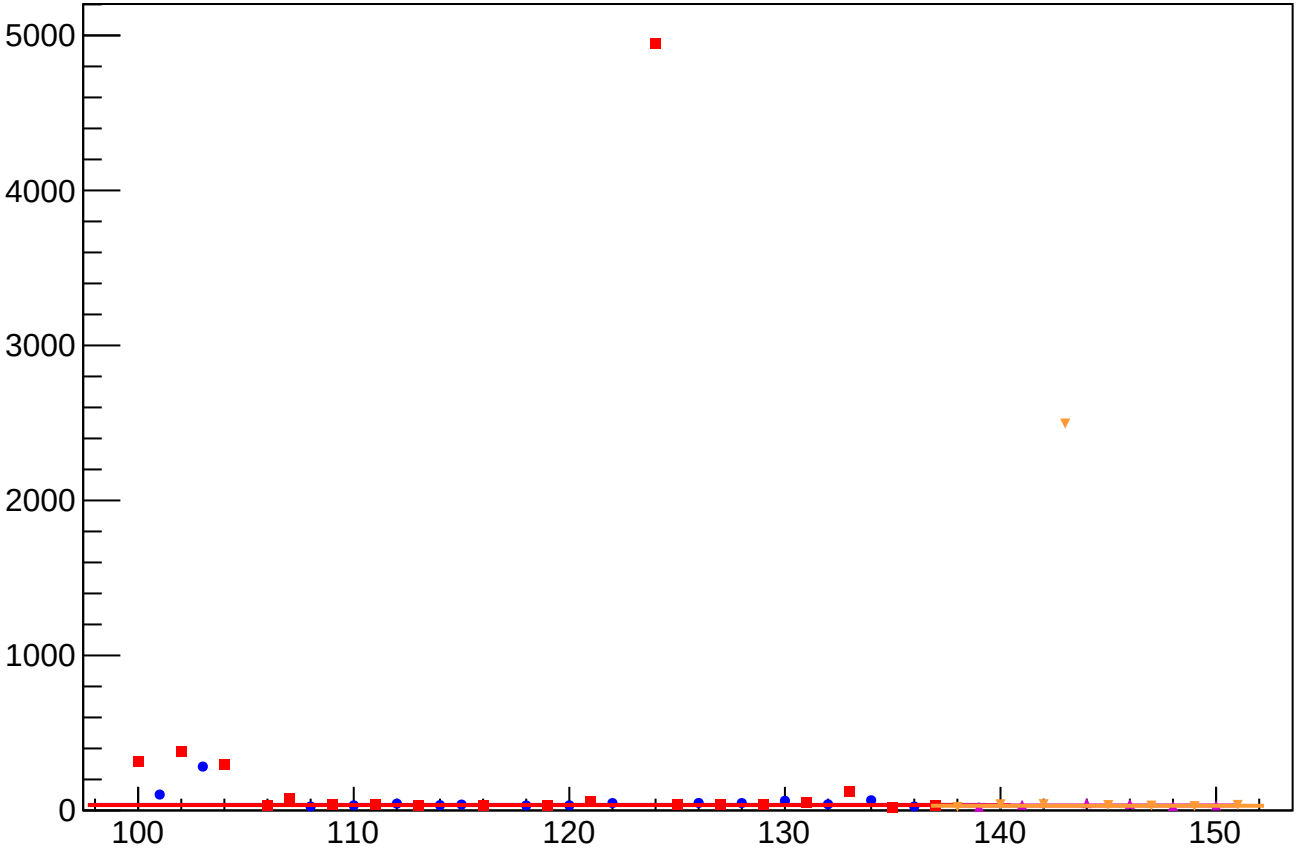
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/21

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.007+/-0.008 χ^2/NDF: 52.2/48

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: 30.357+/-0.010 χ^2/NDF:1942632.7/7

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.274+/-0.011 χ^2/NDF:478490.9/5

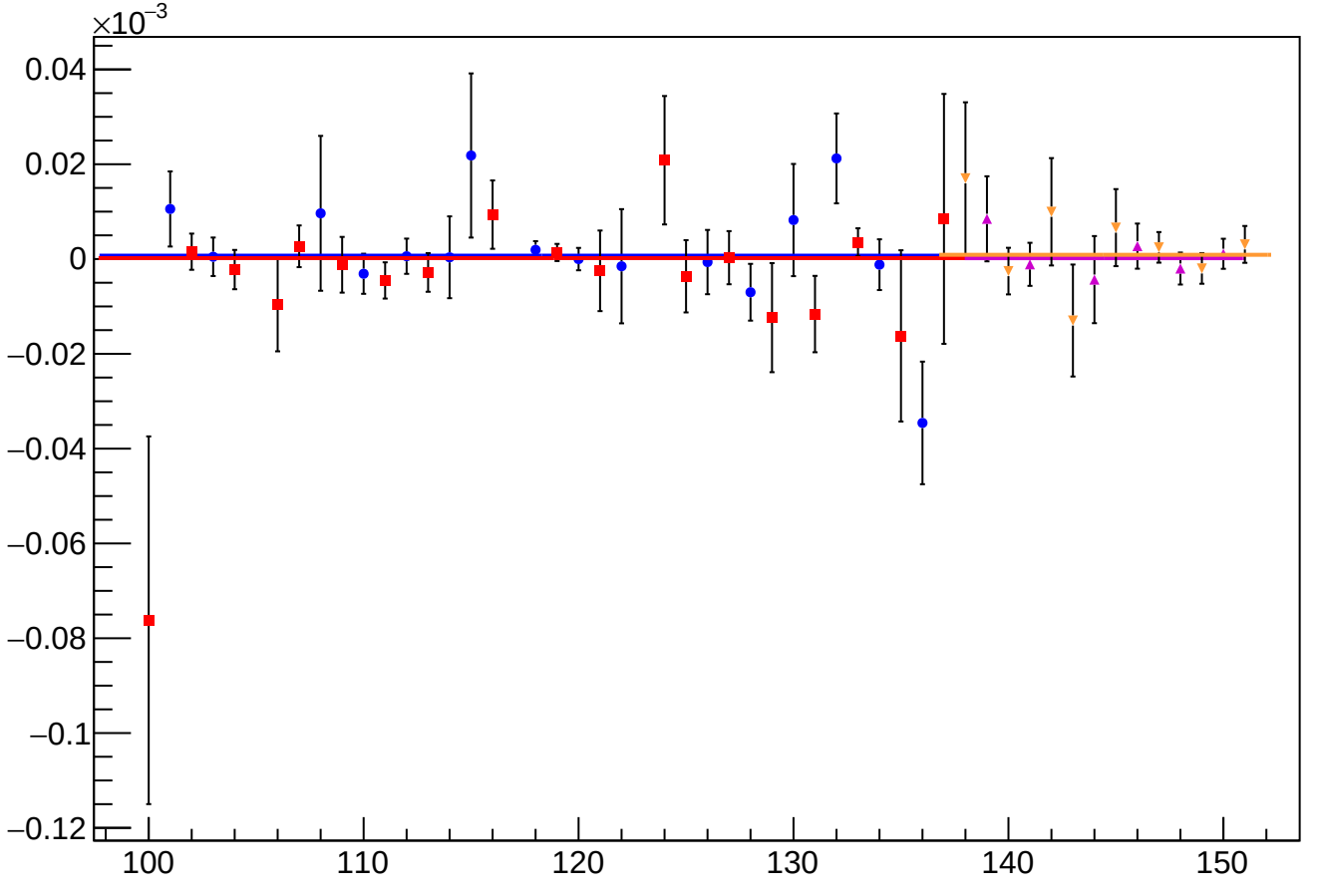
Left: 31.233+/-0.007 χ^2/NDF: 2437420.1/13

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.030+/-0.008 χ^2/NDF:2793023.5/21

Out: 32.390+/-0.007 χ^2/NDF:4944357.8/26

All: 33.178+/-0.005 χ^2/NDF: 7760523.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/5

Left: 0.000+/-0.000 χ^2/NDF: 7.4/13

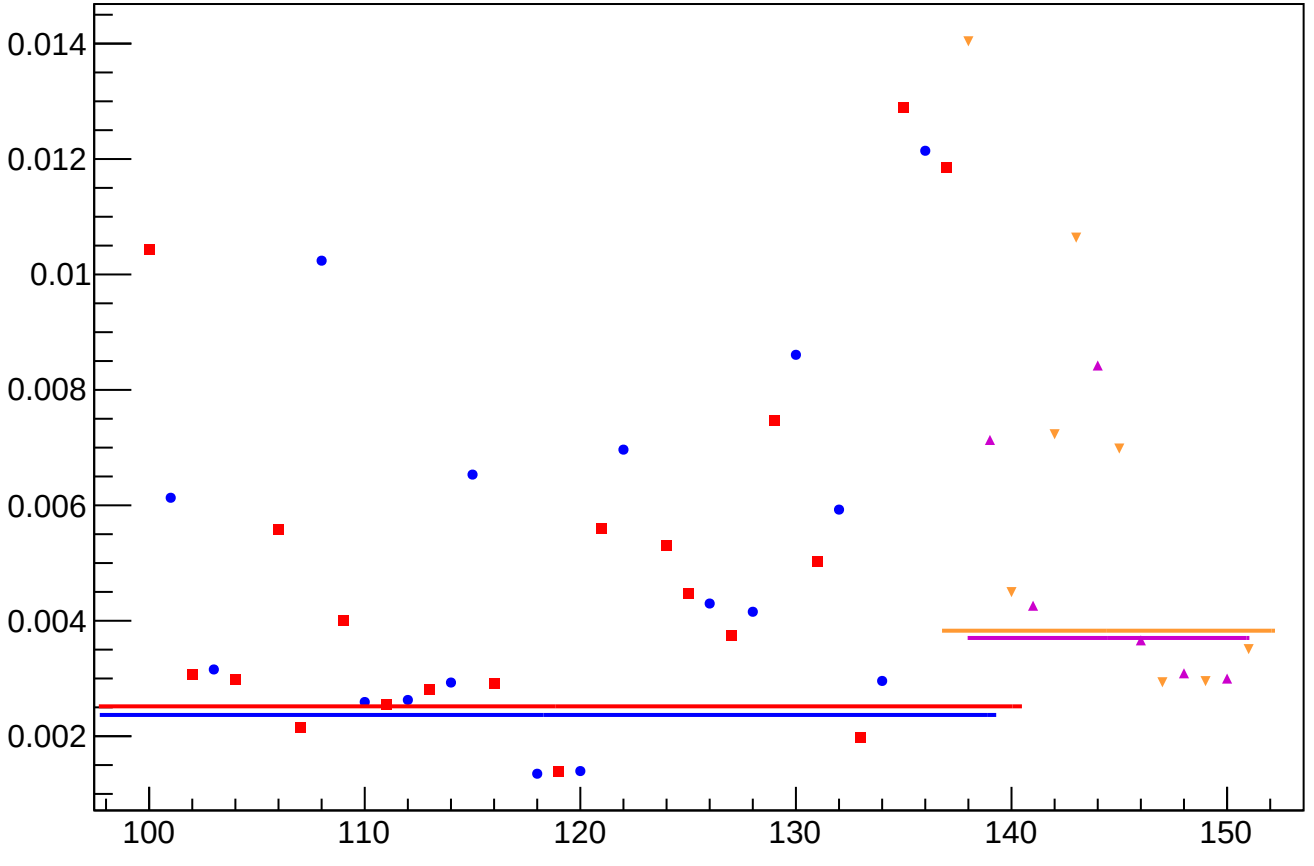
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:21.1/21

Out: 0.000+/-0.000 χ^2/NDF:23.6/26

All: 0.000+/-0.000 χ^2/NDF: 44.7/48

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2308461.7/7

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1015003.0/5

Left: 0.004+/-0.000 χ^2/NDF: 3328507.4/13

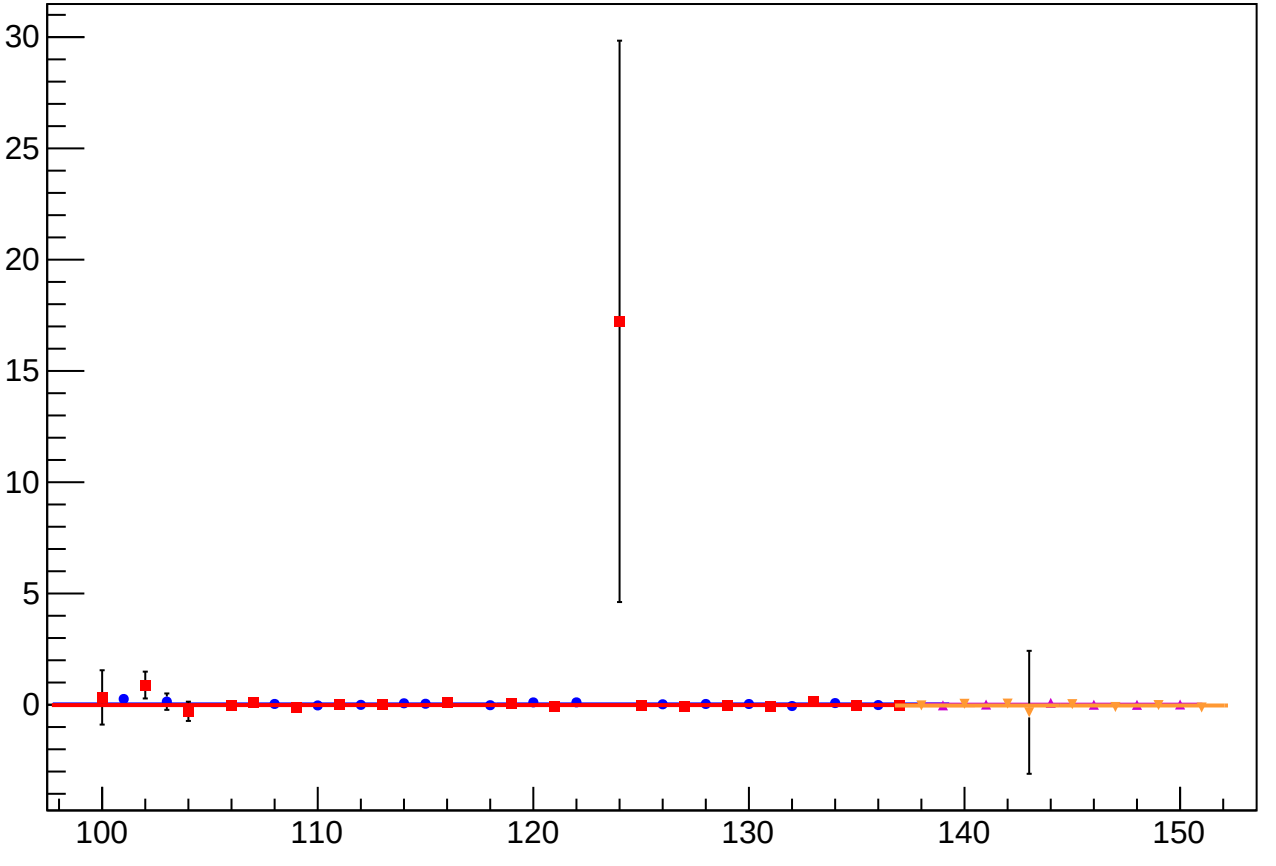
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6525395.3/21

Out: 0.003+/-0.000 χ^2/NDF:6536868.2/26

All: 0.003+/-0.000 χ^2/NDF: 13087232.4/48

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: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.005+/-0.016 χ^2/NDF:3.5/5

Left: -0.015+/-0.011 χ^2/NDF: 21.5/13

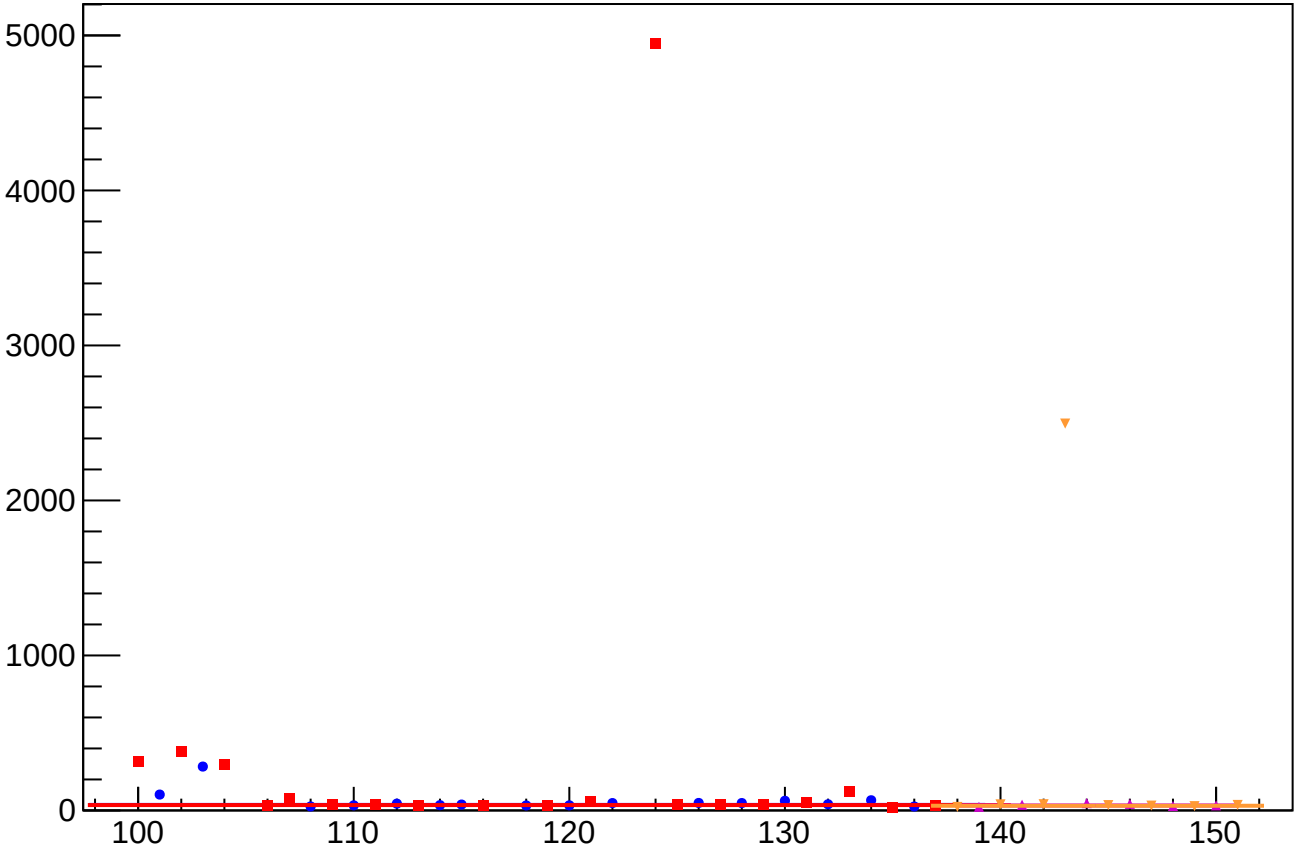
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/21

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.007+/-0.008 χ^2/NDF: 52.2/48

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: 30.357+/-0.010 χ^2/NDF:1942865.4/7

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.271+/-0.011 χ^2/NDF:478805.4/5

Left: 31.232+/-0.007 χ^2/NDF: 2437923.2/13

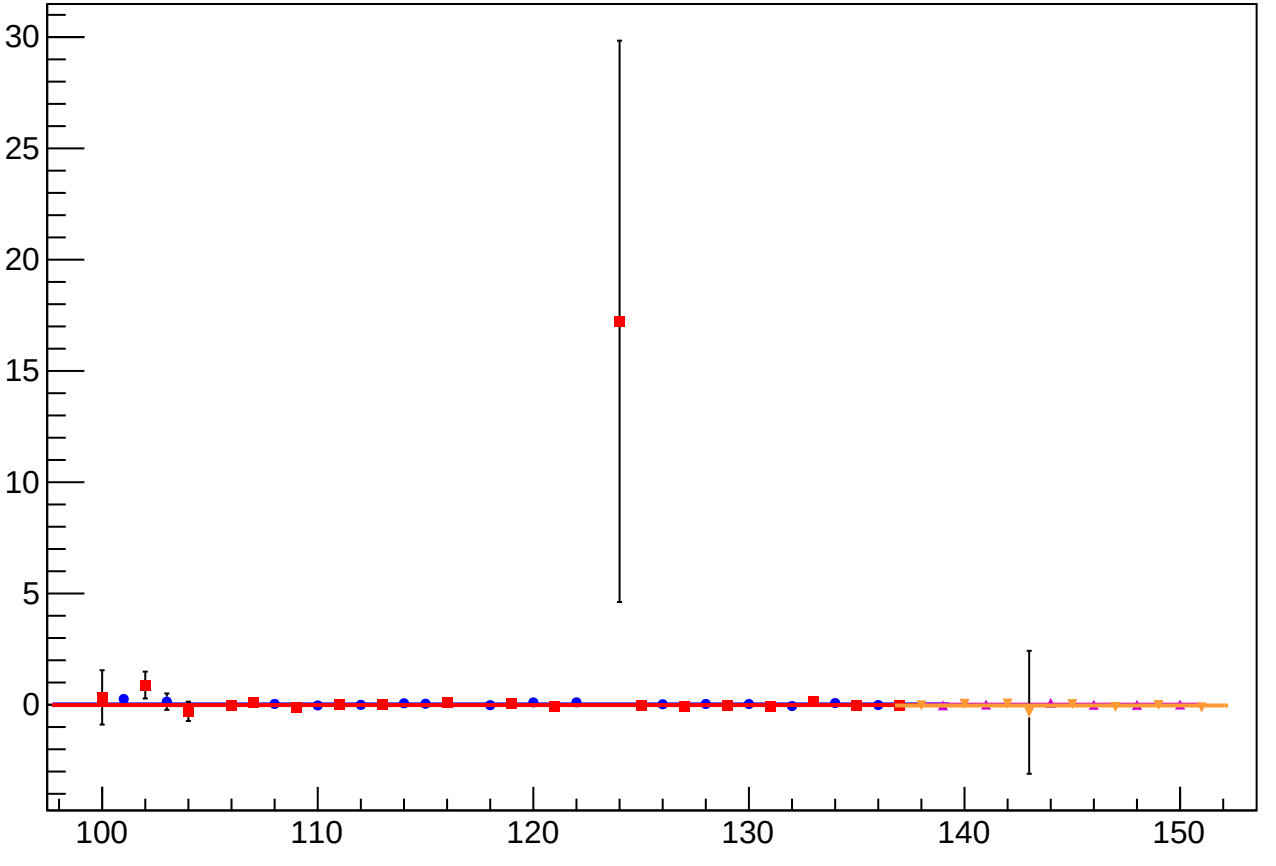
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.030+/-0.008 χ^2/NDF:2793187.9/21

Out: 32.390+/-0.007 χ^2/NDF:4944458.6/26

All: 33.178+/-0.005 χ^2/NDF: 7760758.8/48

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: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.005+/-0.016 χ^2/NDF:3.5/5

Left: -0.015+/-0.011 χ^2/NDF: 21.5/13

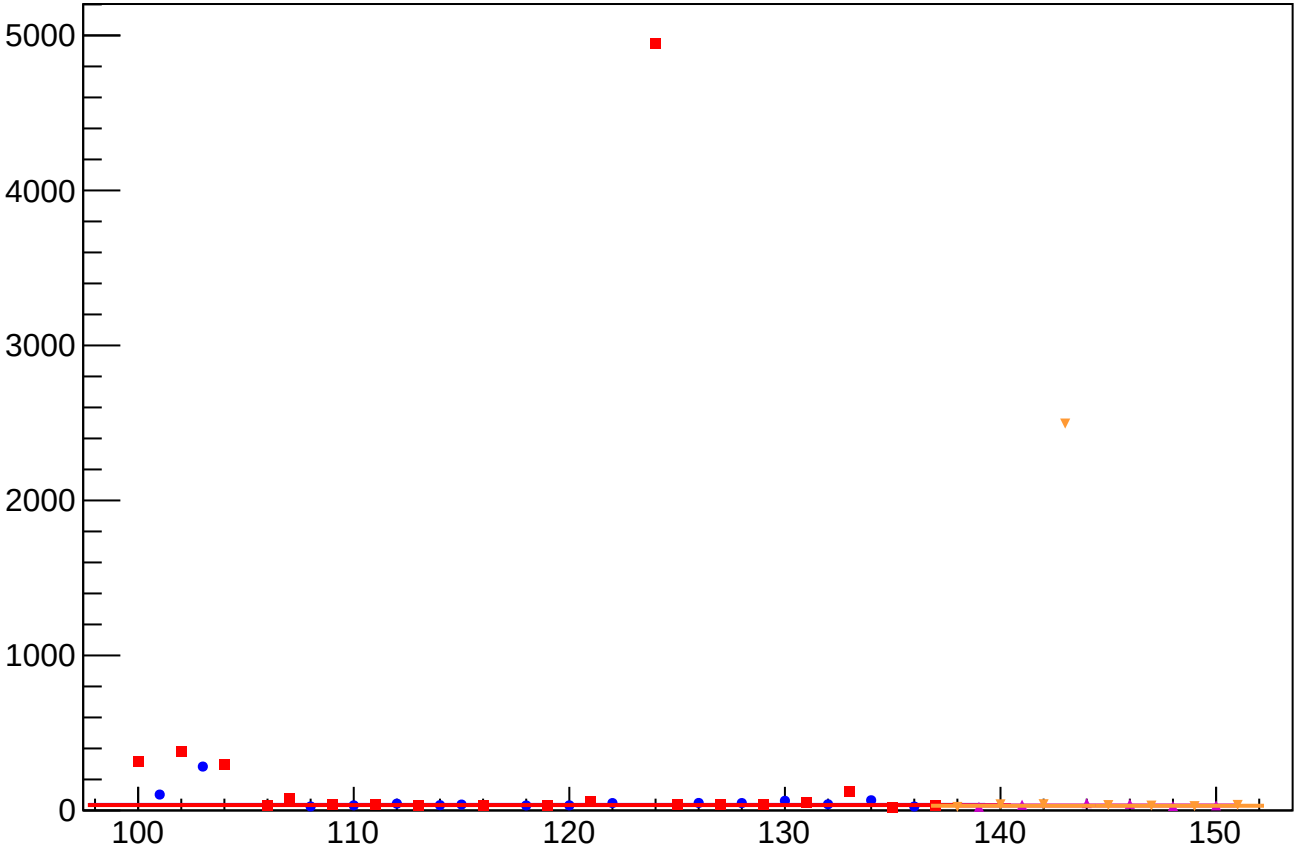
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/21

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.007+/-0.008 χ^2/NDF: 52.2/48

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: 30.357+/-0.010 χ^2/NDF:1942865.4/7

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.271+/-0.011 χ^2/NDF:478805.4/5

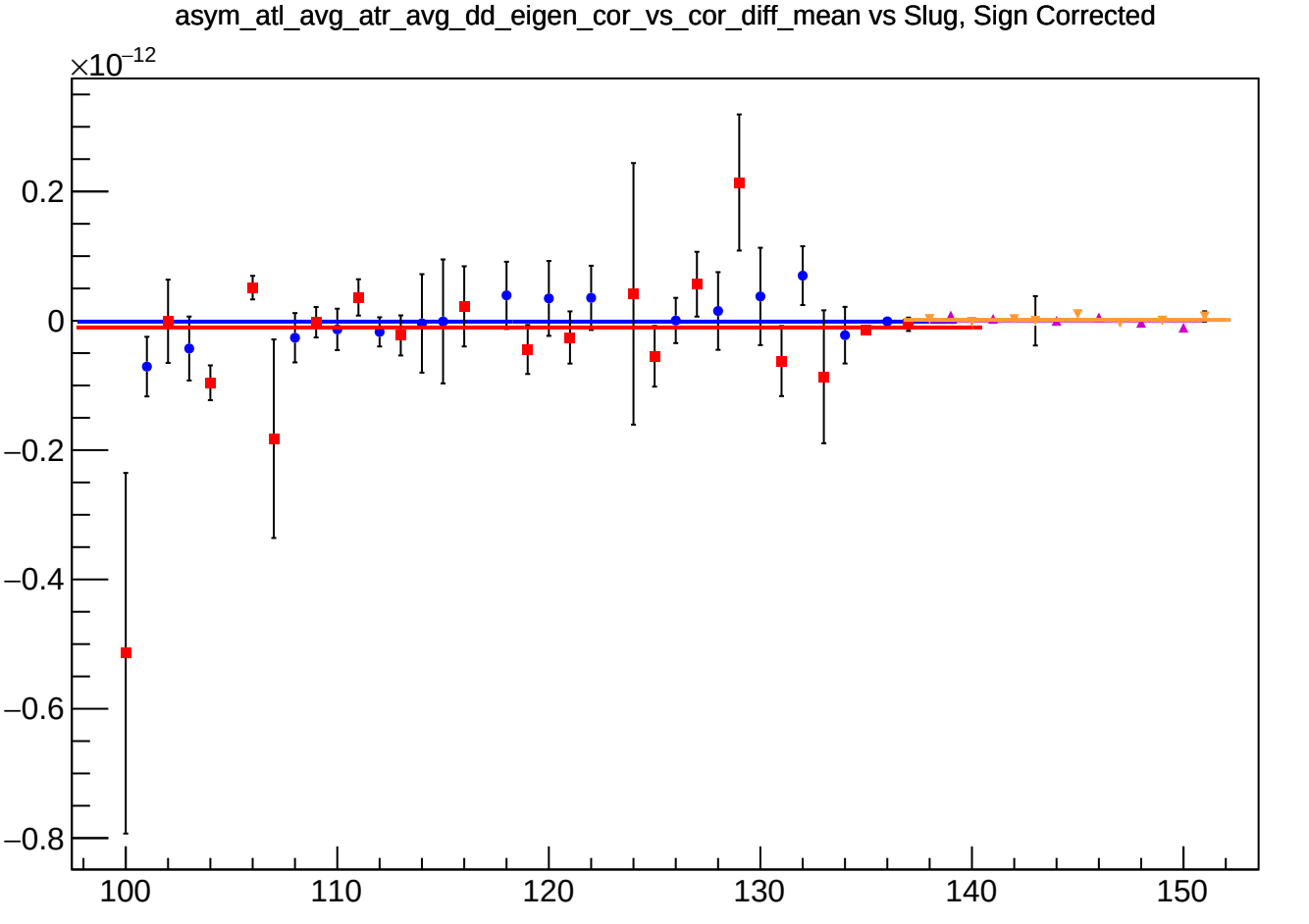
Left: 31.232+/-0.007 χ^2/NDF: 2437923.2/13

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.030+/-0.008 χ^2/NDF:2793187.9/21

Out: 32.390+/-0.007 χ^2/NDF:4944458.6/26

All: 33.178+/-0.005 χ^2/NDF: 7760758.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/5

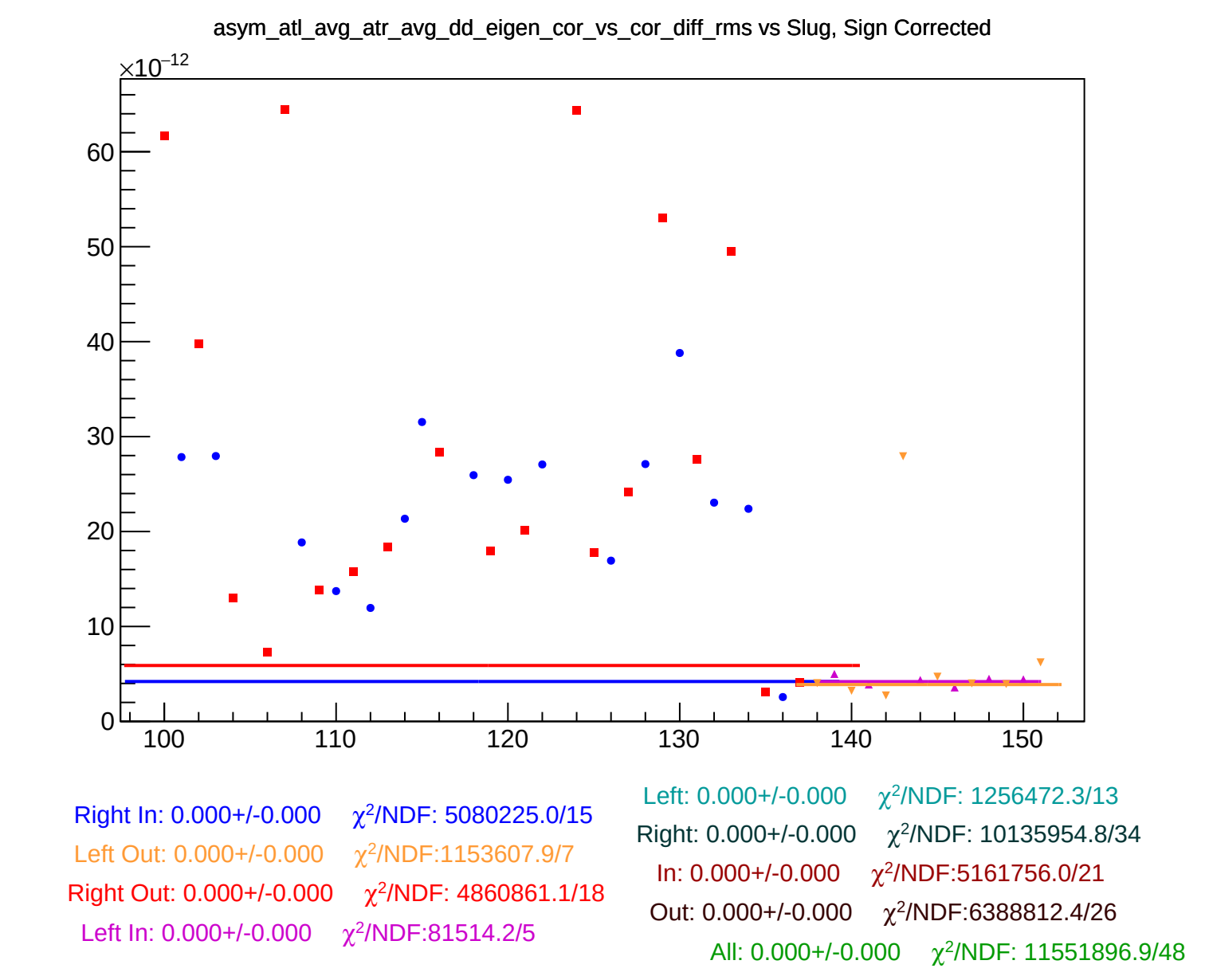
Left: 0.000+/-0.000 χ^2/NDF: 11.1/13

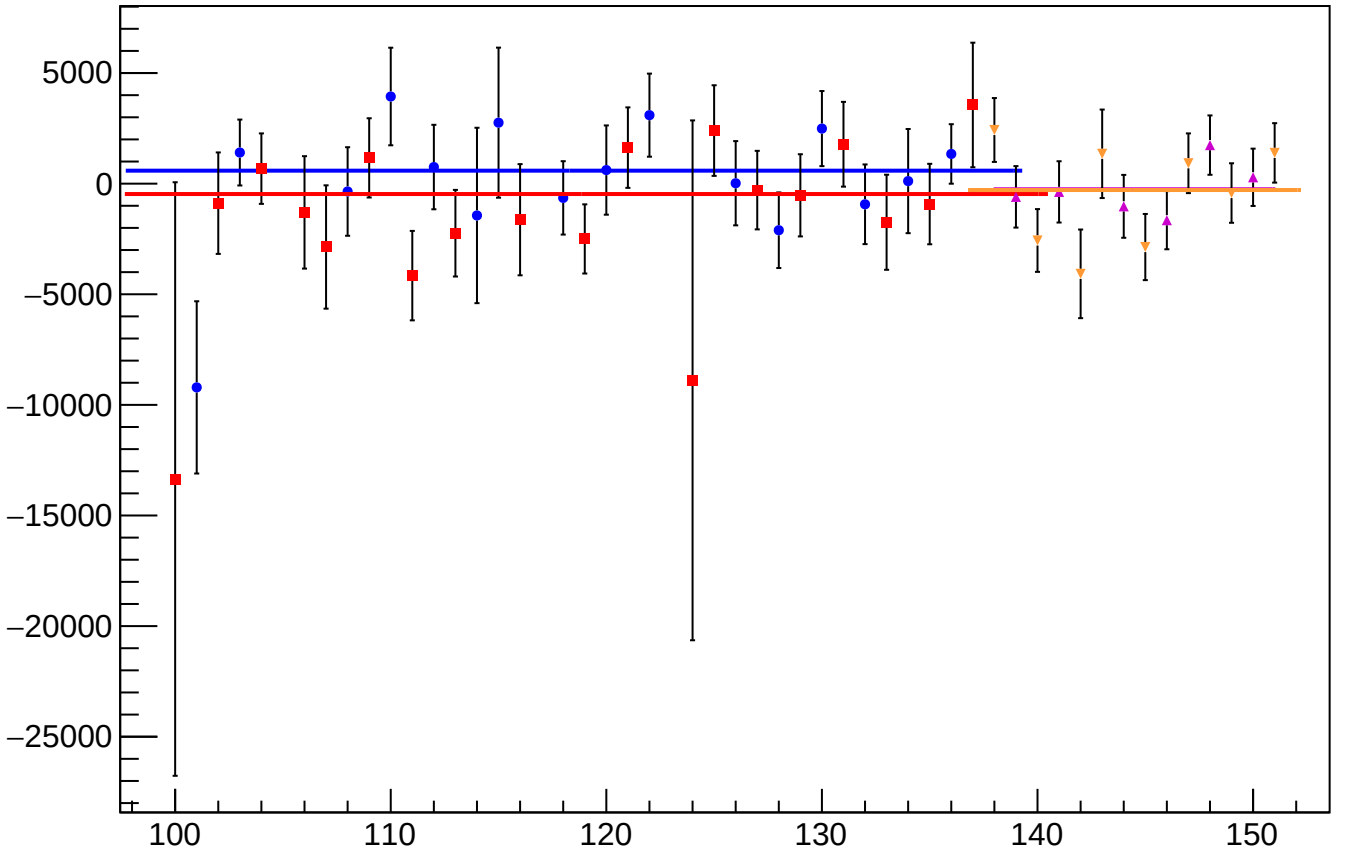
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: -0.000+/-0.000 χ^2/NDF:16.1/21

Out: -0.000+/-0.000 χ^2/NDF:50.0/26

All: -0.000+/-0.000 χ^2/NDF: 66.2/48


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1153607.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:81514.2/5
Left: 0.000+/-0.000 χ²/NDF: 1256472.3/13
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5161756.0/21
Out: 0.000+/-0.000 χ²/NDF:6388812.4/26
All: 0.000+/-0.000 χ²/NDF: 11551896.9/48



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -287.887+/-528.636 χ^2/NDF:15.7/7

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -252.912+/-553.517 χ^2/NDF:3.9/5

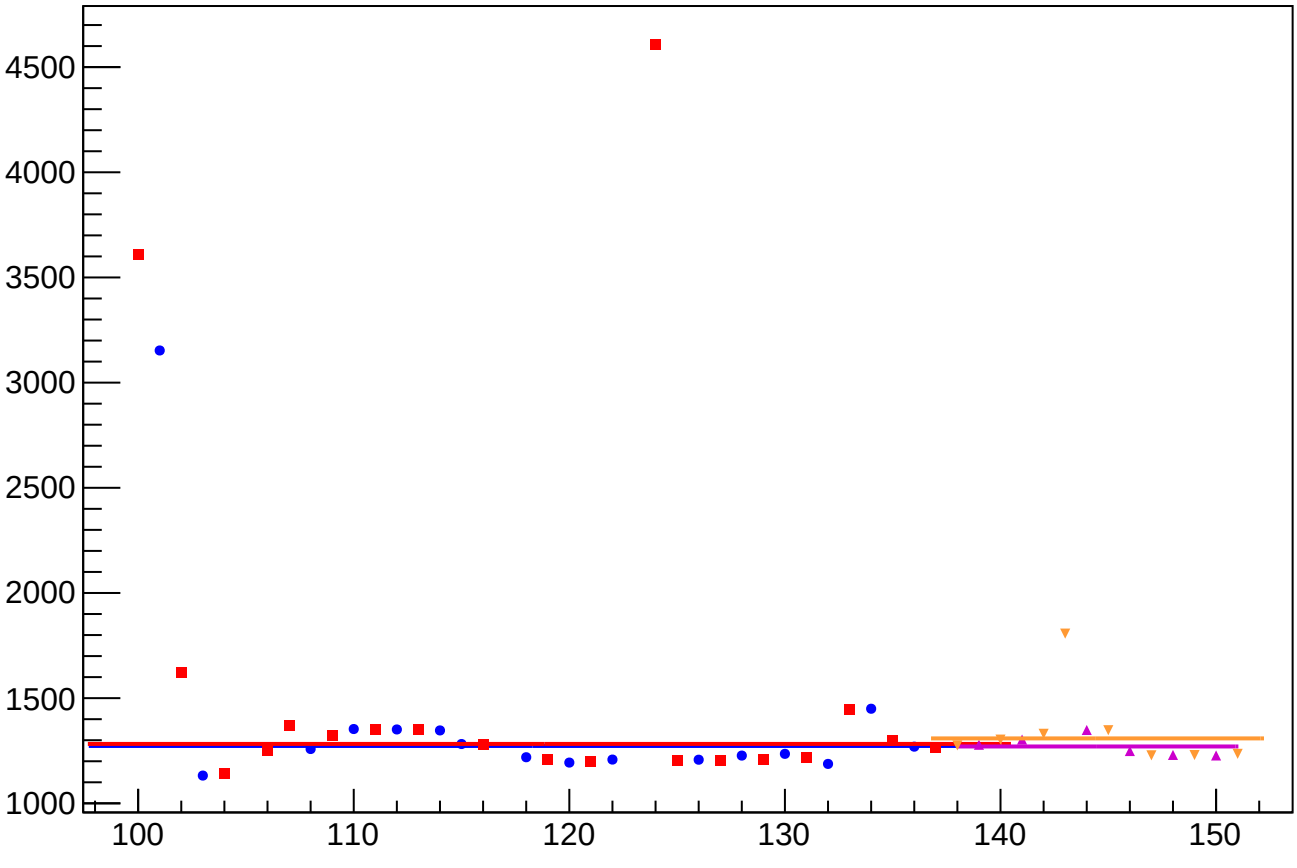
Left: -271.203+/-382.296 χ^2/NDF: 19.6/13

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 224.368+/-363.684 χ^2/NDF:22.3/21

Out: -387.067+/-355.574 χ^2/NDF:32.6/26

All: -88.243+/-254.248 χ^2/NDF: 56.3/48



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

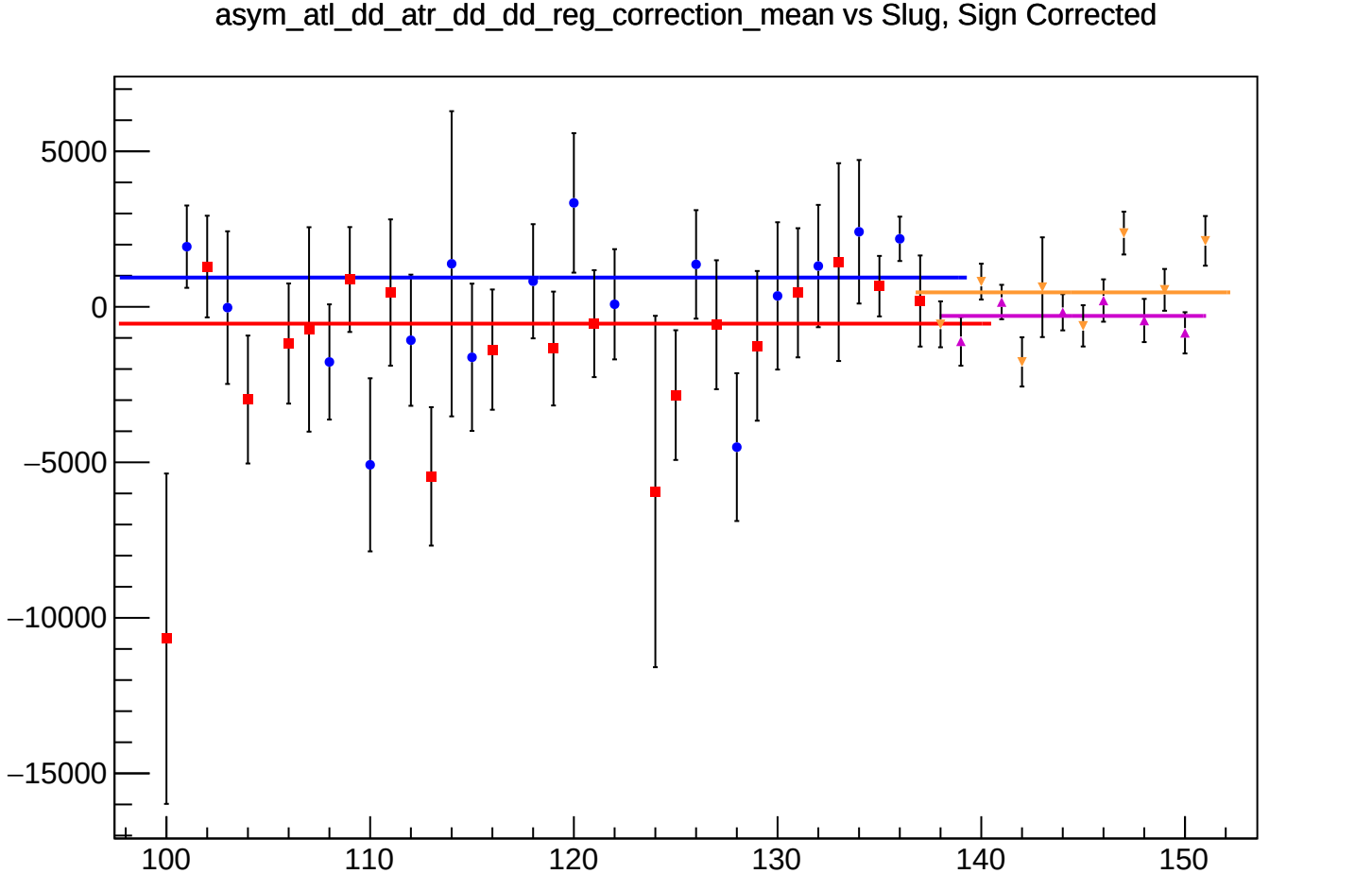
Left: 1290.341+/-0.270 χ^2/NDF: 163595.5/13

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1271.714+/-0.257 χ^2/NDF:531113.9/21

Out: 1294.252+/-0.251 χ^2/NDF:471563.7/26

All: 1283.237+/-0.180 χ^2/NDF: 1006604.8/48



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 465.225+/-258.253 χ^2/NDF:24.9/7

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -292.304+/-264.195 χ^2/NDF:3.0/5

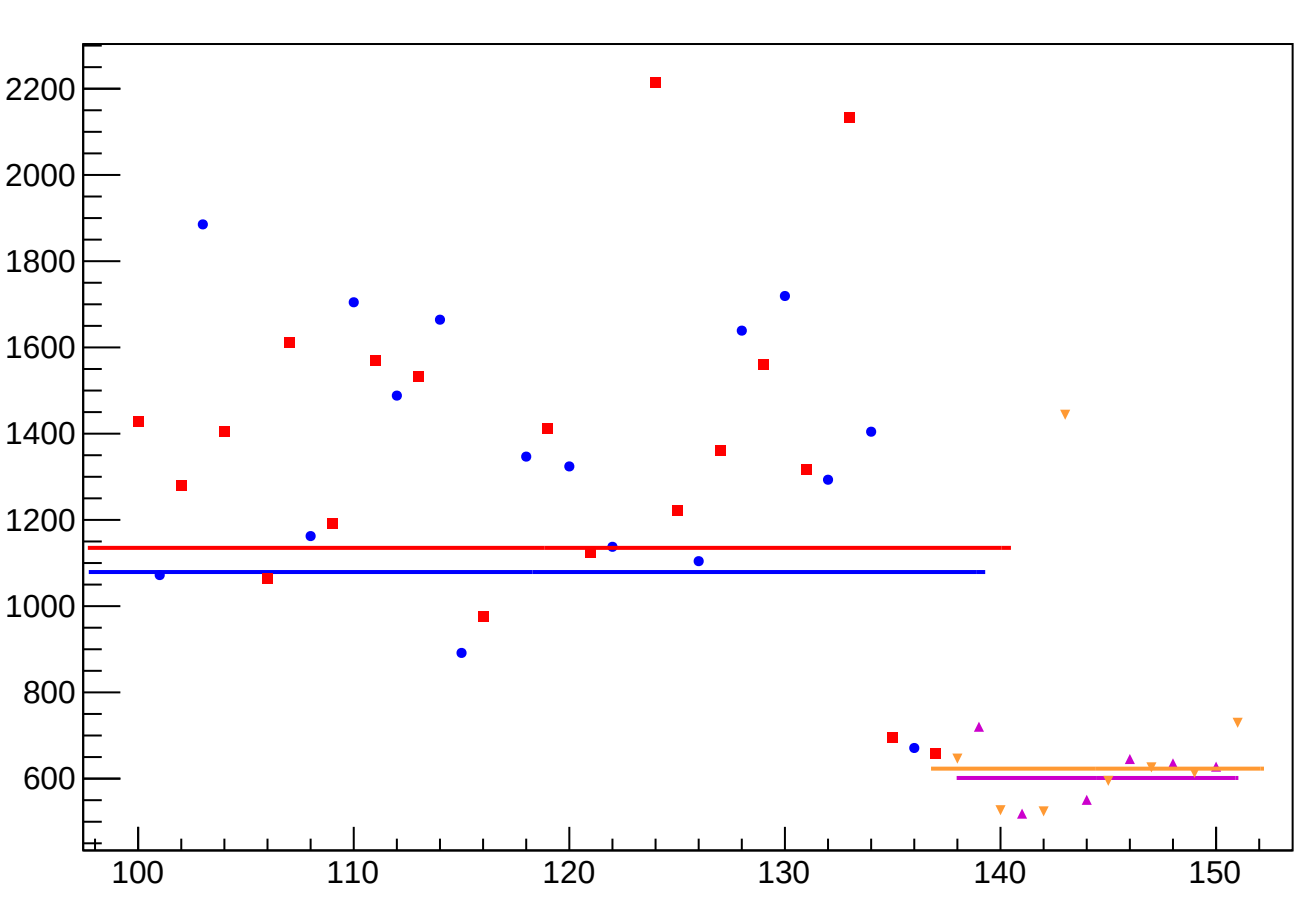
Left: 95.075+/-184.677 χ^2/NDF: 32.1/13

Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 50.682+/-224.498 χ^2/NDF:29.0/21

Out: 207.417+/-222.711 χ^2/NDF:45.9/26

All: 129.676+/-158.108 χ^2/NDF: 75.2/48



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 623.157+/-0.183 χ^2/NDF:652859.0/7

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 601.520+/-0.187 χ^2/NDF:121857.1/5

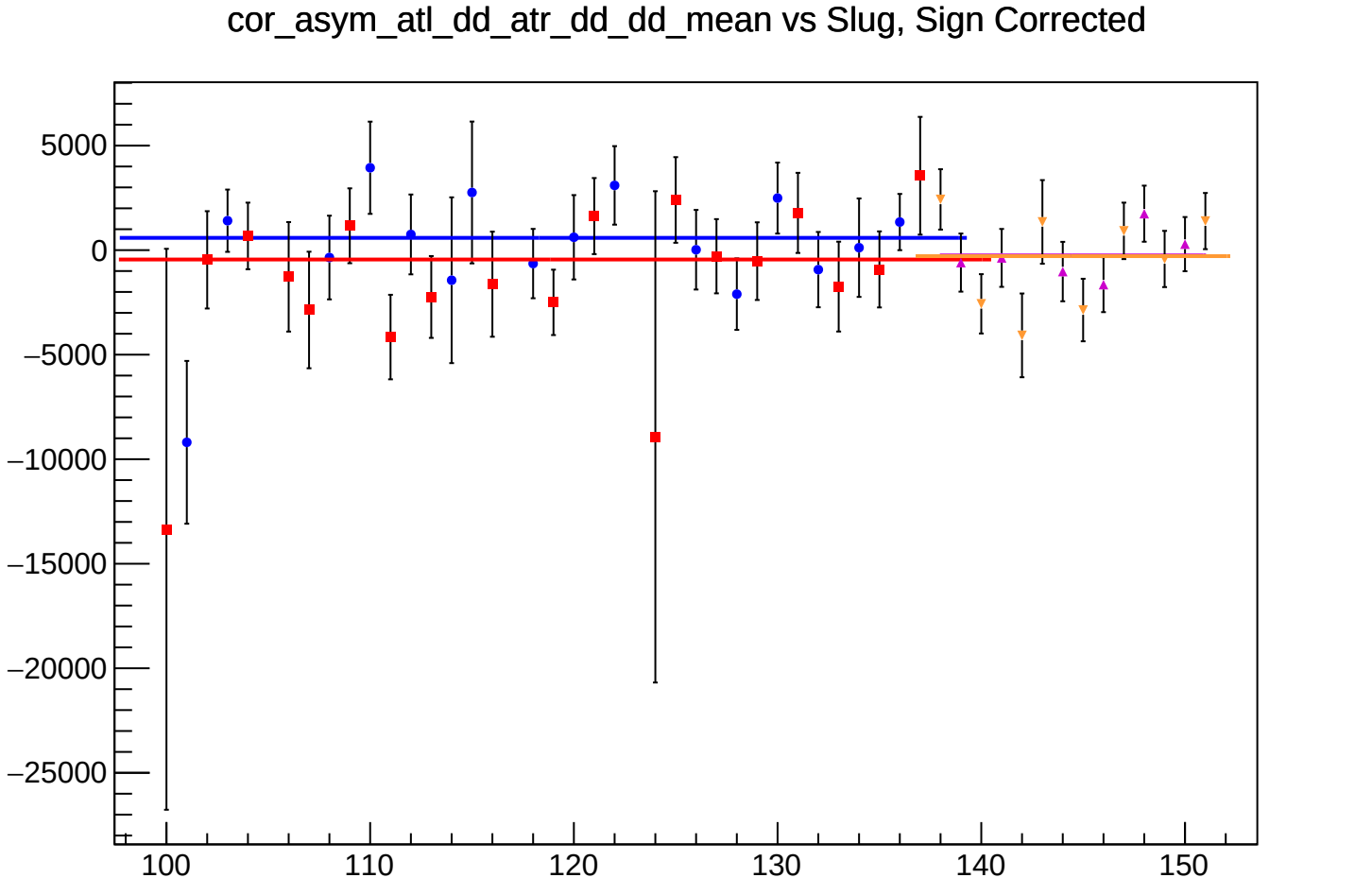
Left: 612.584+/-0.131 χ^2/NDF: 781575.9/13

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 734.260+/-0.159 χ^2/NDF:3420650.0/21

Out: 754.388+/-0.157 χ^2/NDF:3960832.6/26

All: 744.405+/-0.112 χ^2/NDF: 7389585.3/48



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -252.908+/-553.517 χ^2/NDF:3.9/5

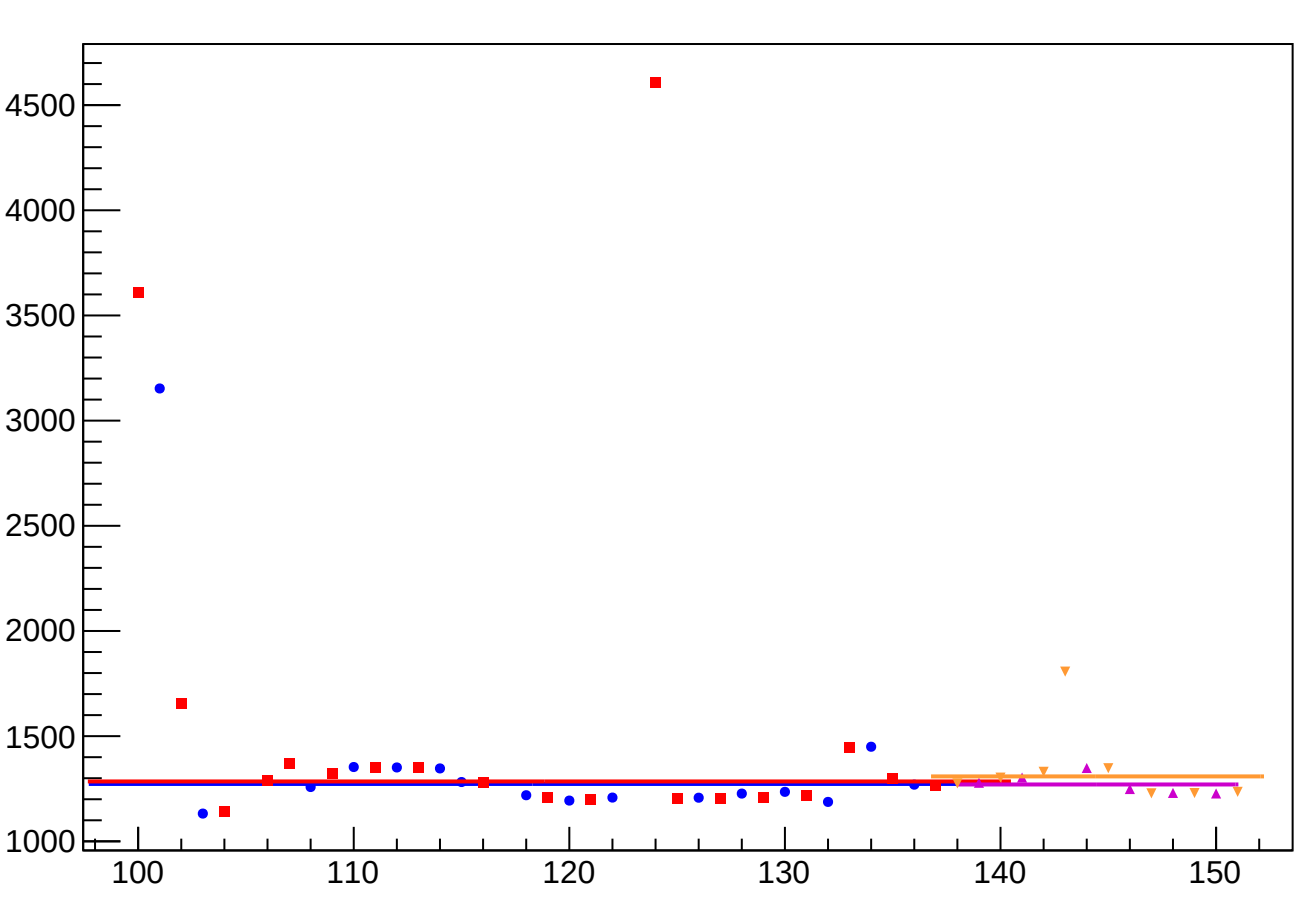
Left: -271.266+/-382.296 χ^2/NDF: 19.6/13

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.552+/-363.684 χ^2/NDF:22.2/21

Out: -375.708+/-355.905 χ^2/NDF:32.6/26

All: -82.067+/-254.368 χ^2/NDF: 56.2/48



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

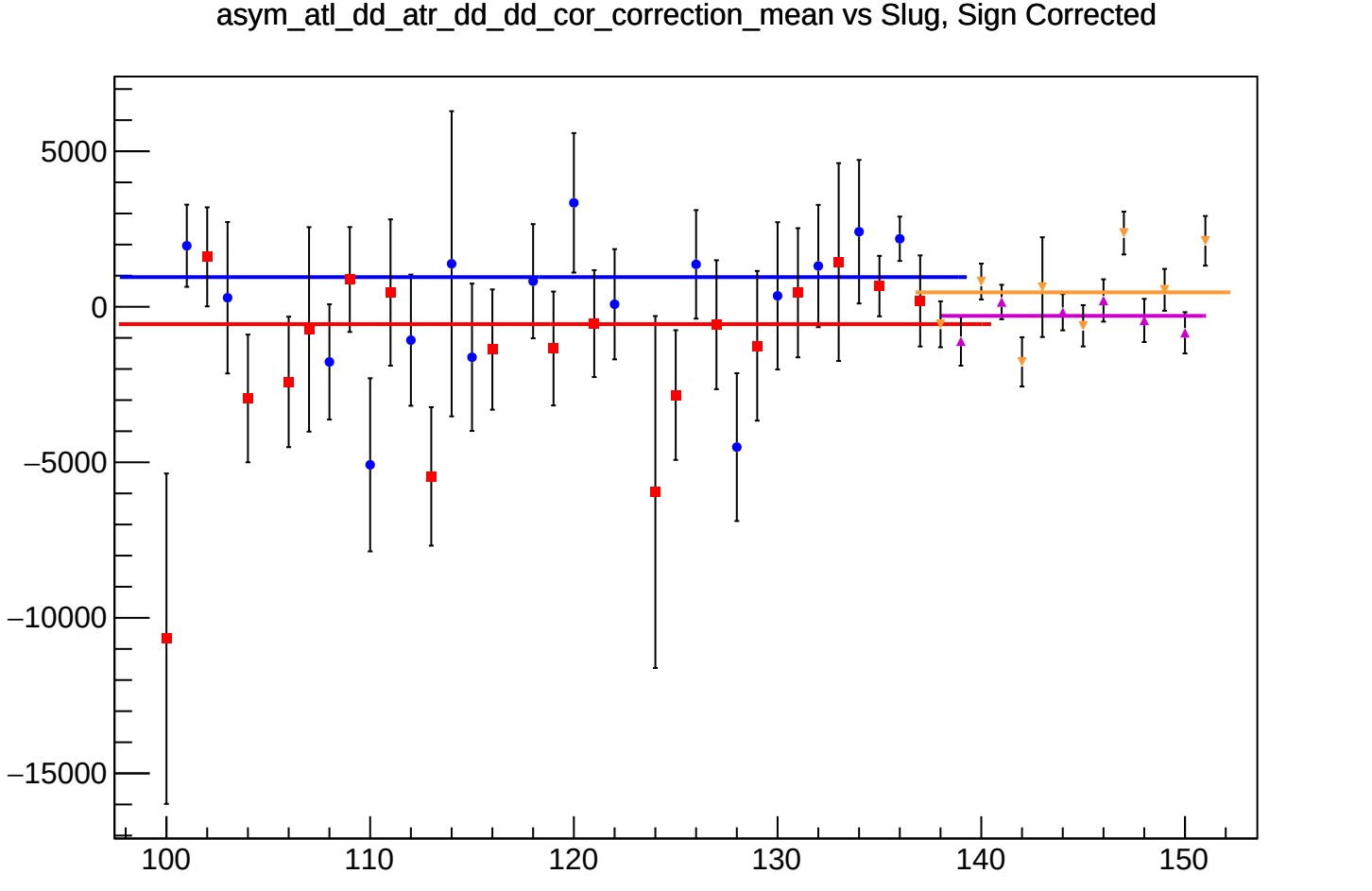
Left: 1290.341+/-0.270 χ^2/NDF: 163595.5/13

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1271.714+/-0.257 χ^2/NDF:531115.3/21

Out: 1295.526+/-0.252 χ^2/NDF:477765.6/26

All: 1283.877+/-0.180 χ^2/NDF: 1013260.6/48



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -292.399+/-264.193 χ^2/NDF:3.0/5

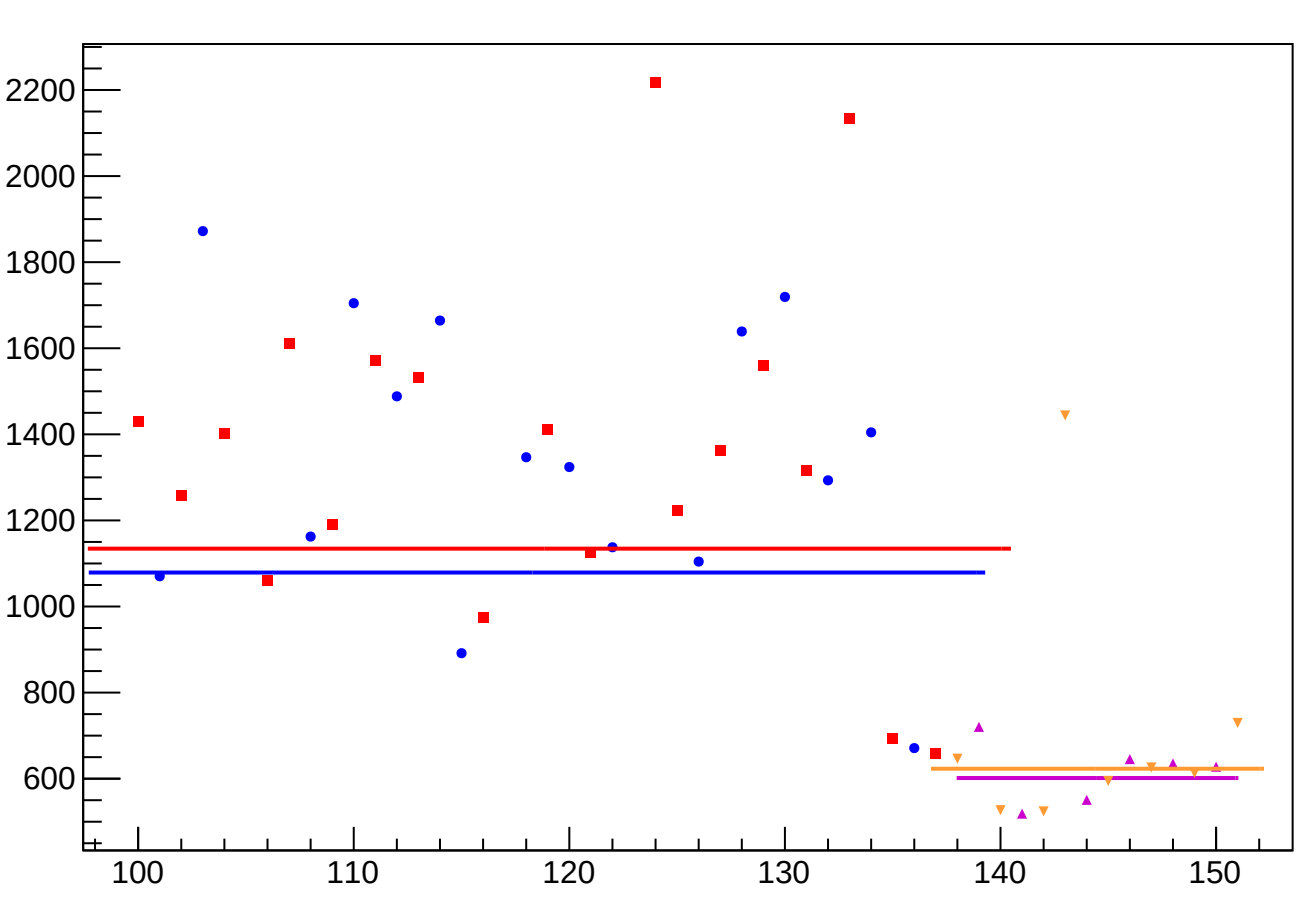
Left: 95.007+/-184.678 χ^2/NDF: 32.1/13

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 54.260+/-224.471 χ^2/NDF:29.1/21

Out: 203.709+/-222.823 χ^2/NDF:47.3/26

All: 129.535+/-158.139 χ^2/NDF: 76.6/48



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 601.515+/-0.187 χ^2/NDF:121881.1/5

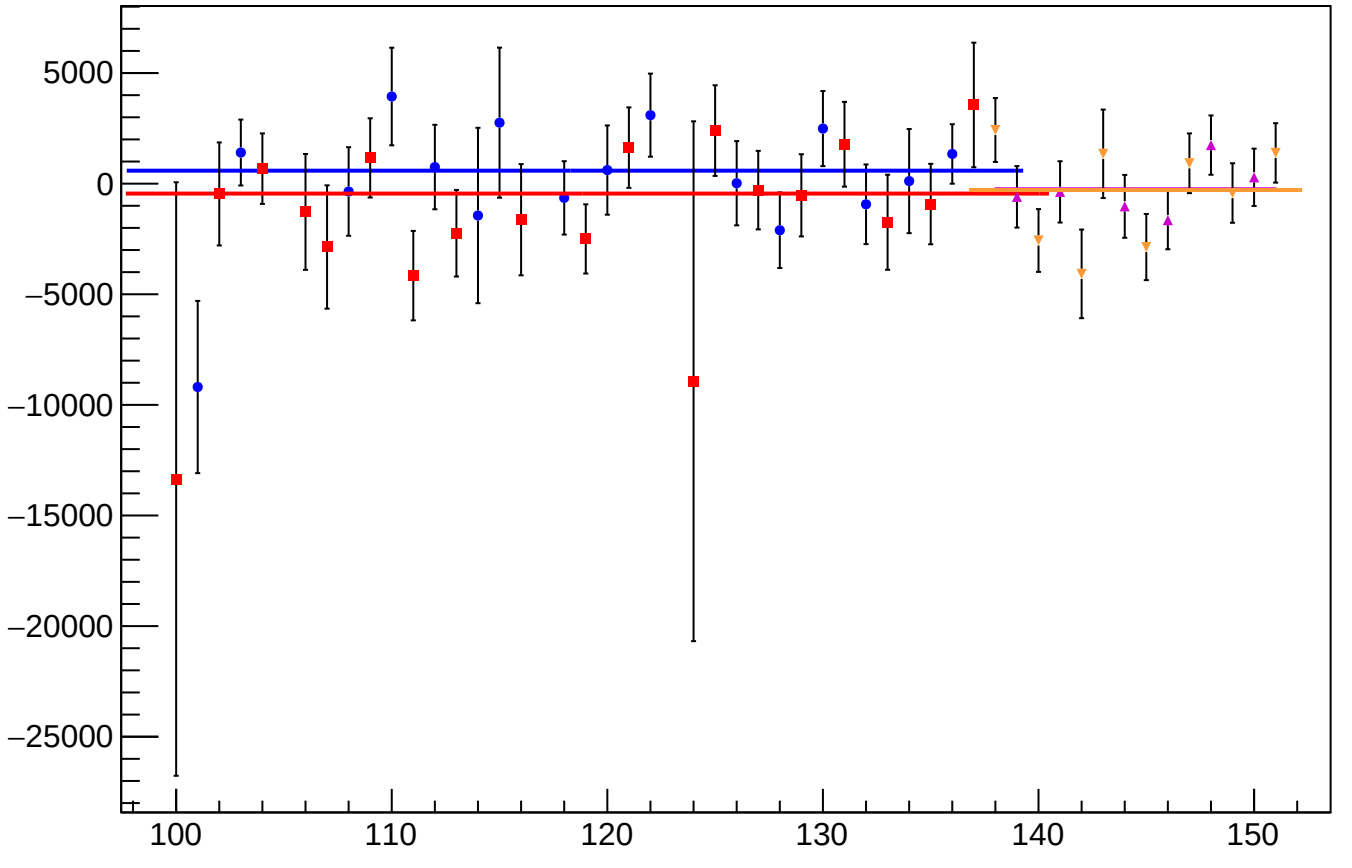
Left: 612.587+/-0.131 χ^2/NDF: 781541.5/13

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 734.282+/-0.159 χ^2/NDF:3416864.6/21

Out: 753.834+/-0.158 χ^2/NDF:3944929.8/26

All: 744.130+/-0.112 χ^2/NDF: 7369436.9/48



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -252.908+/-553.517 χ^2/NDF:3.9/5

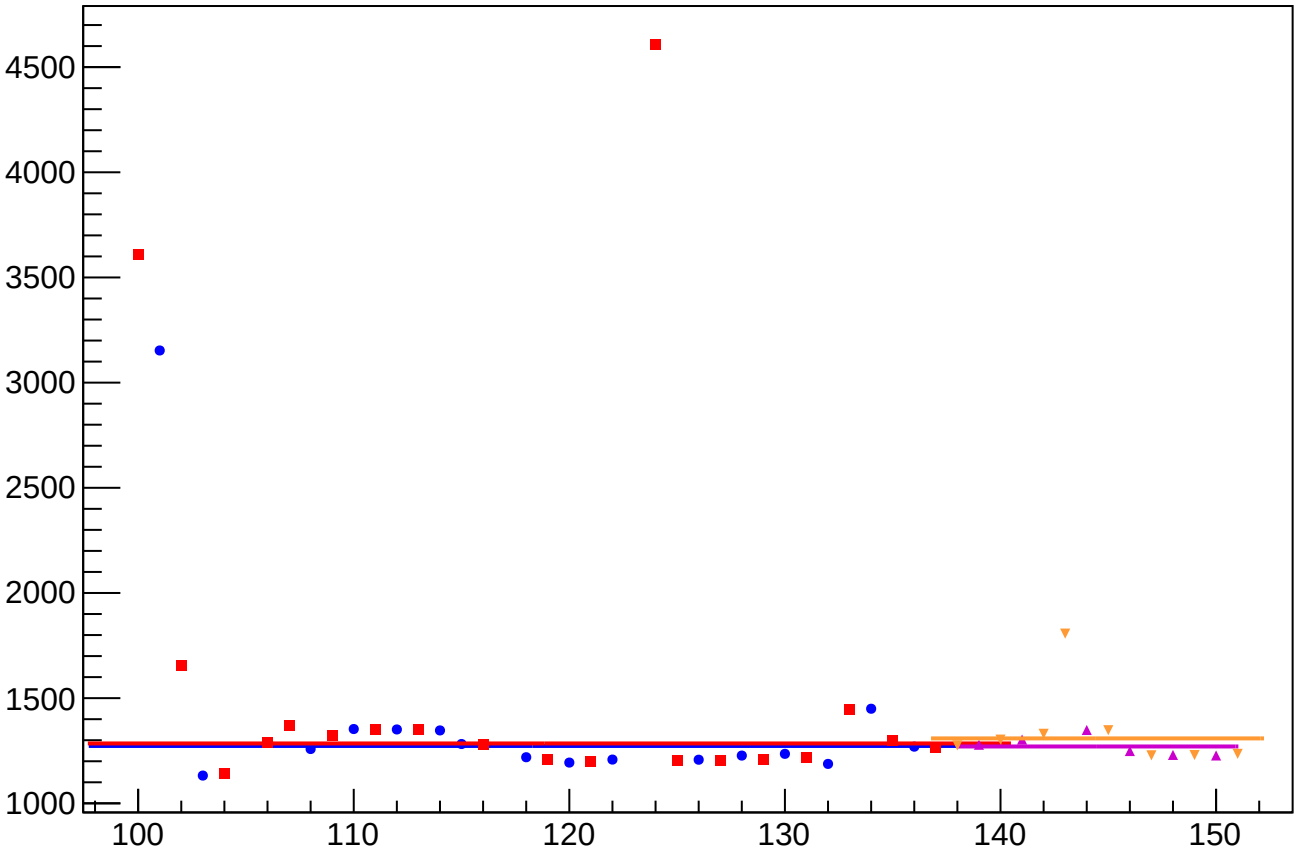
Left: -271.266+/-382.296 χ^2/NDF: 19.6/13

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.552+/-363.684 χ^2/NDF:22.2/21

Out: -375.708+/-355.905 χ^2/NDF:32.6/26

All: -82.067+/-254.368 χ^2/NDF: 56.2/48



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

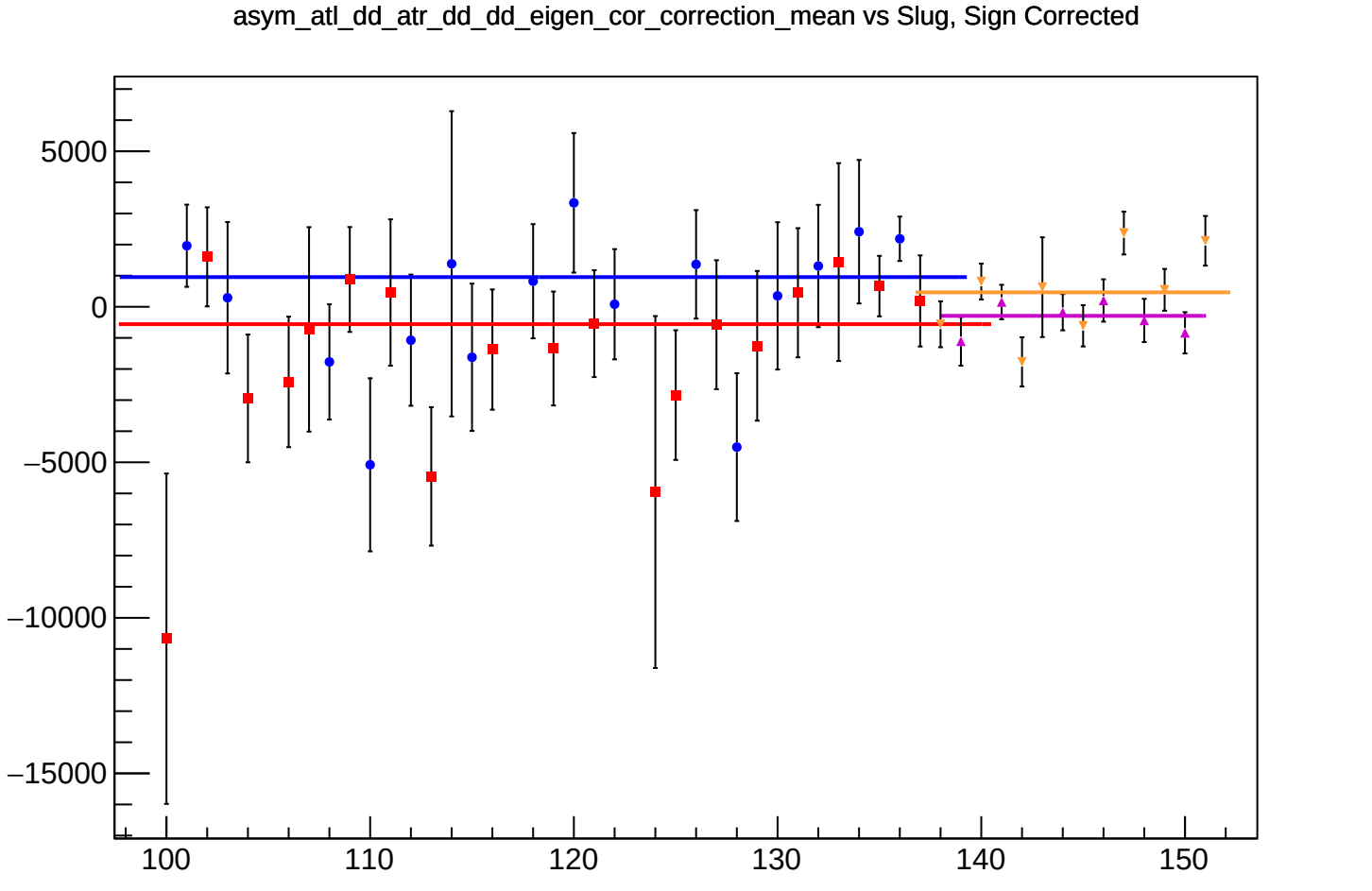
Left: 1290.341+/-0.270 χ^2/NDF: 163595.5/13

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1271.714+/-0.257 χ^2/NDF:531115.3/21

Out: 1295.526+/-0.252 χ^2/NDF:477765.6/26

All: 1283.877+/-0.180 χ^2/NDF: 1013260.6/48



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -292.399+/-264.193 χ^2/NDF:3.0/5

Left: 95.007+/-184.678 χ^2/NDF: 32.1/13

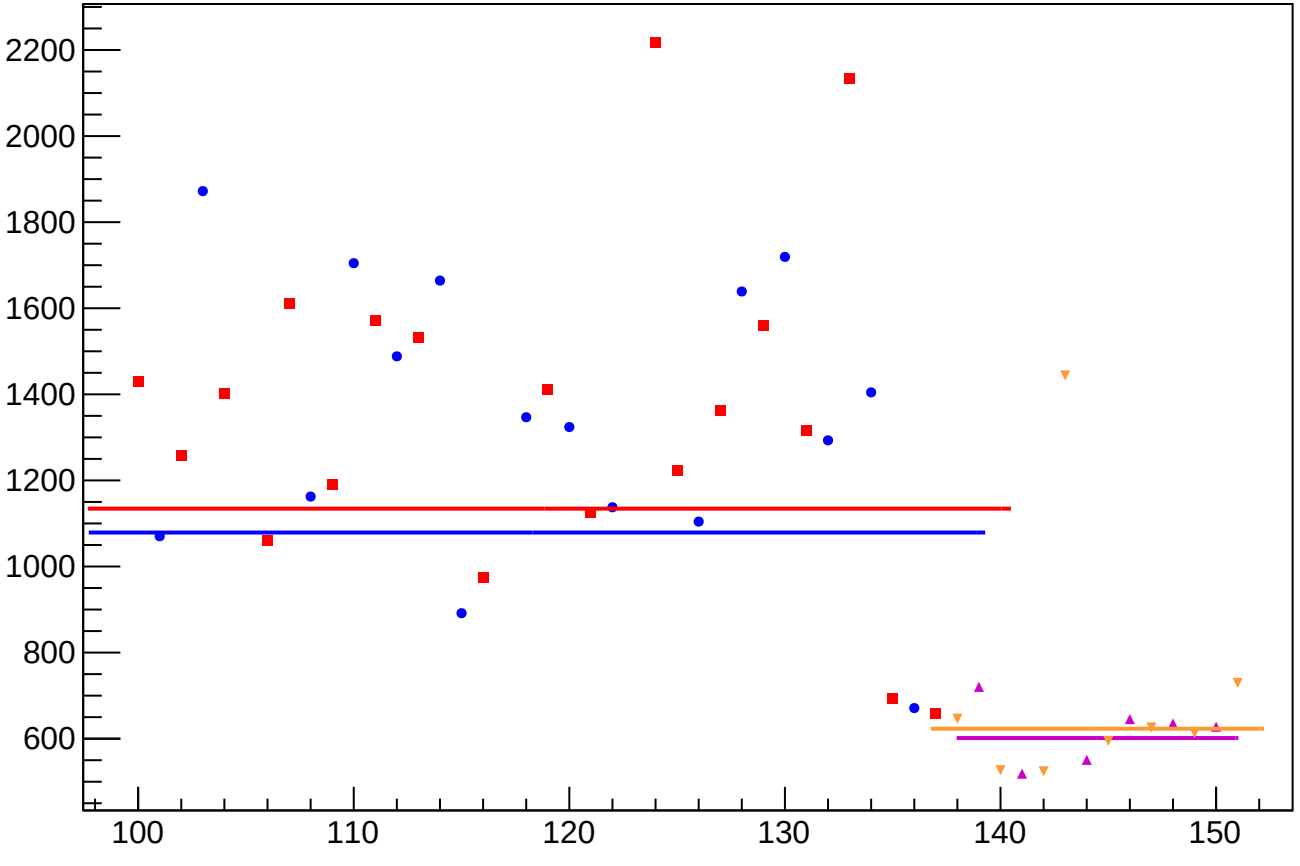
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 54.260+/-224.471 χ^2/NDF:29.1/21

Out: 203.709+/-222.823 χ^2/NDF:47.3/26

All: 129.535+/-158.139 χ^2/NDF: 76.6/48

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 601.515+/-0.187 χ^2/NDF:121881.1/5

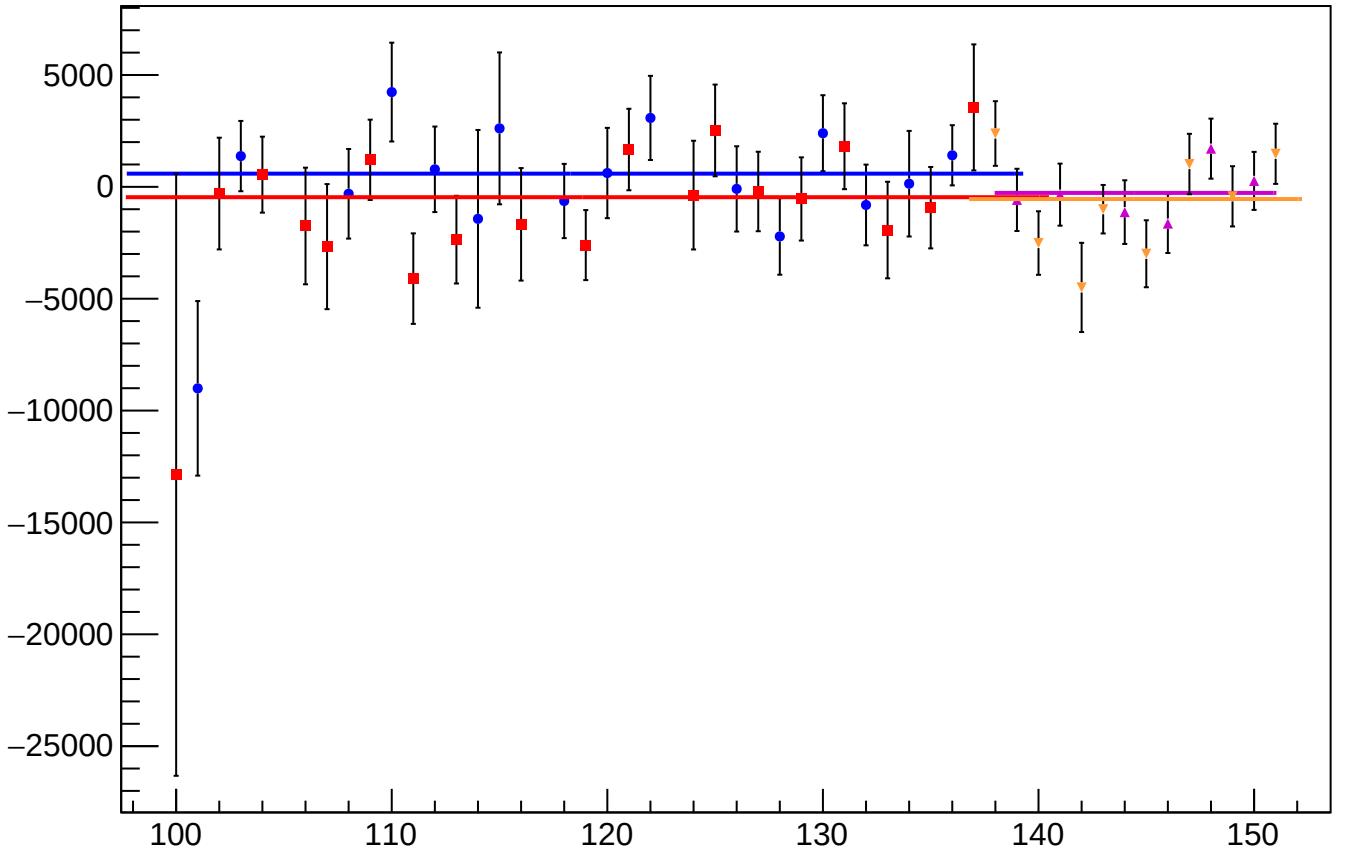
Left: 612.587+/-0.131 χ^2/NDF: 781541.5/13

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 734.282+/-0.159 χ^2/NDF:3416864.6/21

Out: 753.834+/-0.158 χ^2/NDF:3944929.8/26

All: 744.130+/-0.112 χ^2/NDF: 7369436.9/48



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.649+/-489.278 χ^2/NDF:16.4/7

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -270.724+/-553.947 χ^2/NDF:3.8/5

Left: -424.602+/-366.714 χ^2/NDF: 20.4/13

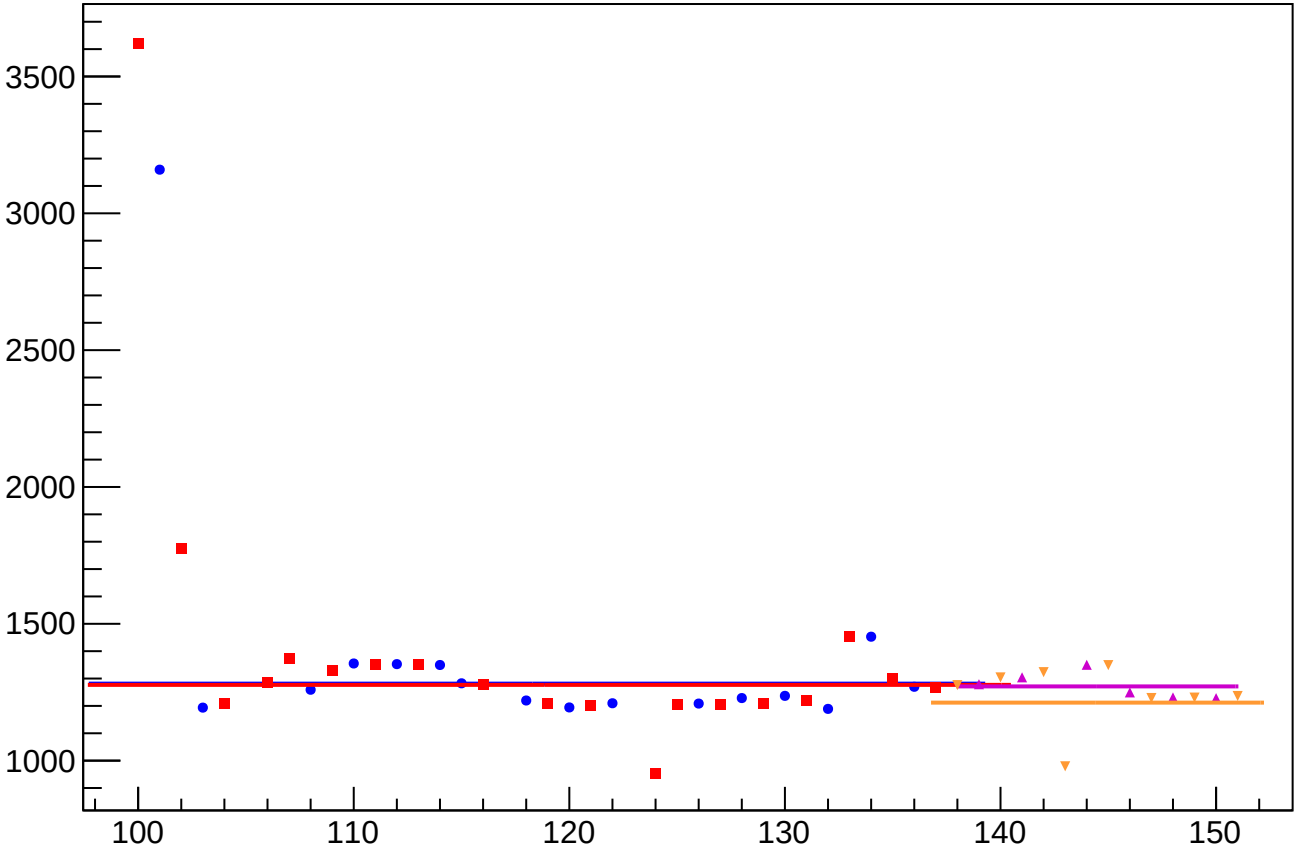
Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 216.269+/-365.108 χ^2/NDF:22.3/21

Out: -502.568+/-341.473 χ^2/NDF:33.1/26

All: -167.168+/-249.395 χ^2/NDF: 57.5/48

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1212.007+/-0.346 χ^2/NDF:128840.7/7

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1271.256+/-0.392 χ^2/NDF:11928.1/5

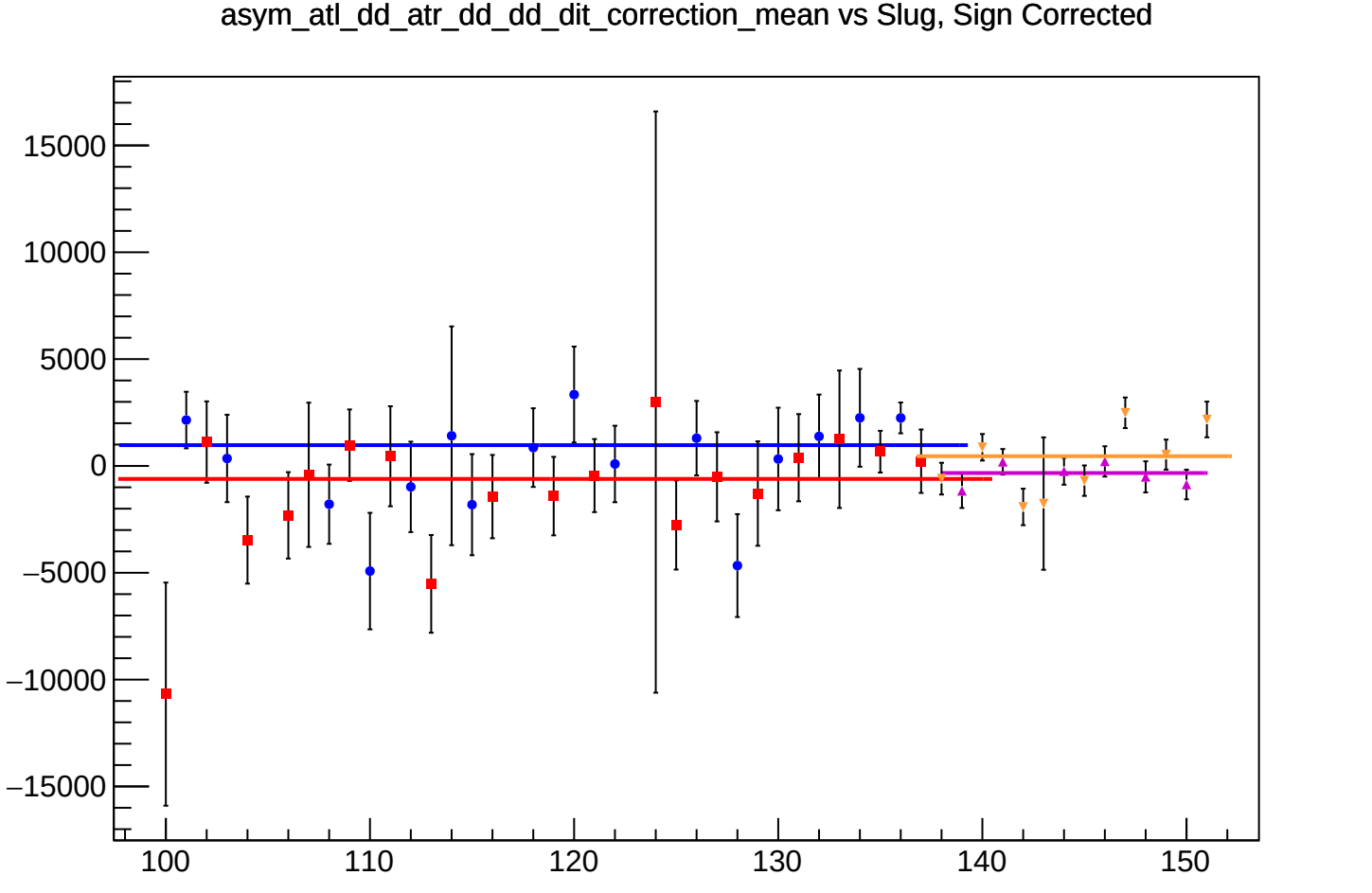
Left: 1237.973+/-0.259 χ^2/NDF: 153621.8/13

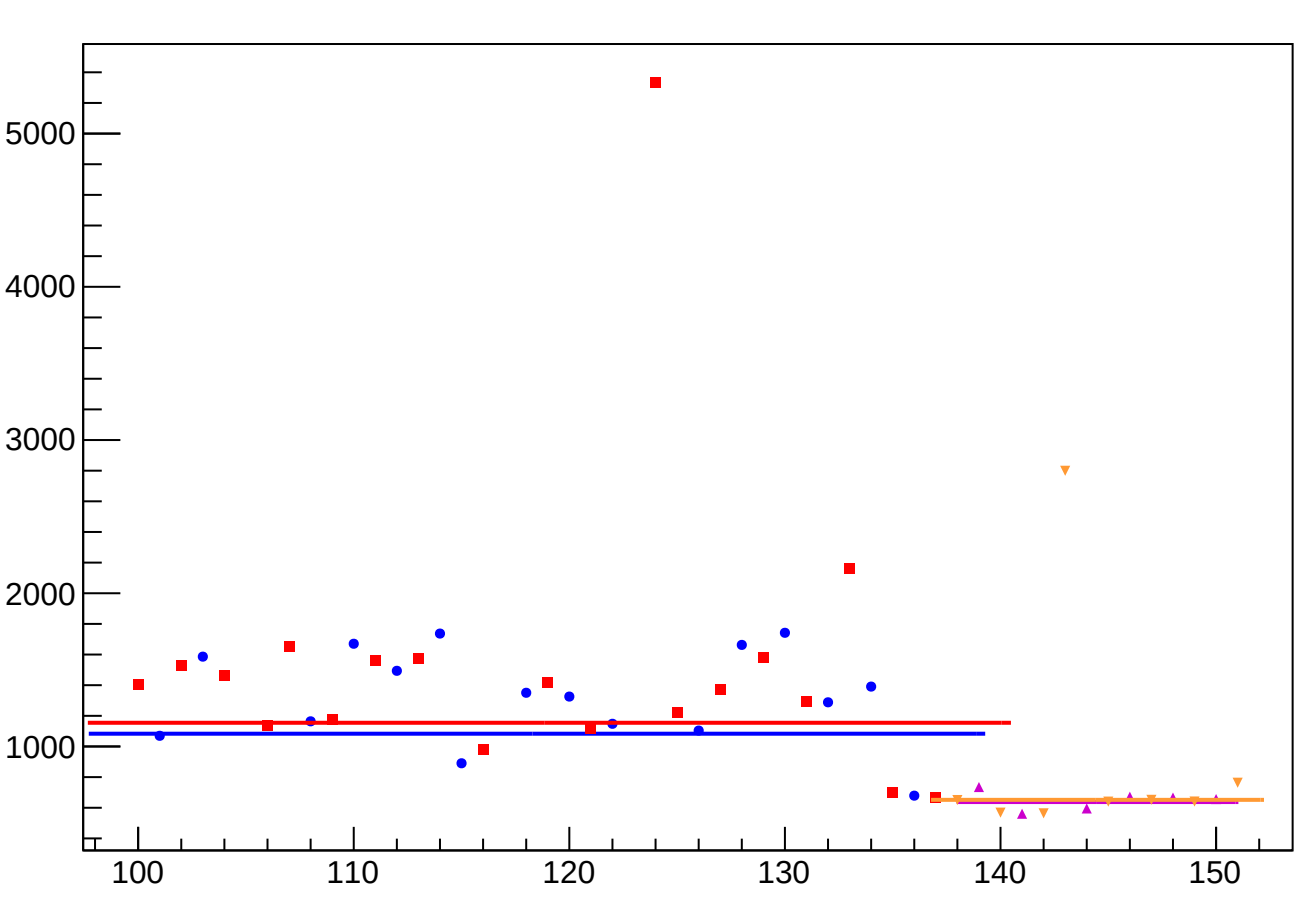
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1276.976+/-0.258 χ^2/NDF:519383.5/21

Out: 1245.272+/-0.241 χ^2/NDF:367377.4/26

All: 1260.064+/-0.176 χ^2/NDF: 894805.1/48


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 456.384+/-274.631 χ²/NDF:25.5/7
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -331.565+/-279.294 χ²/NDF:3.1/5
Left: 69.042+/-195.821 χ²/NDF: 32.7/13
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 61.407+/-233.442 χ²/NDF:30.1/21
Out: 165.285+/-234.101 χ²/NDF:46.8/26
All: 113.199+/-165.301 χ²/NDF: 77.0/48



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 651.678+/-0.194 χ^2/NDF:1054627.9/7

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 637.333+/-0.197 χ^2/NDF:80882.0/5

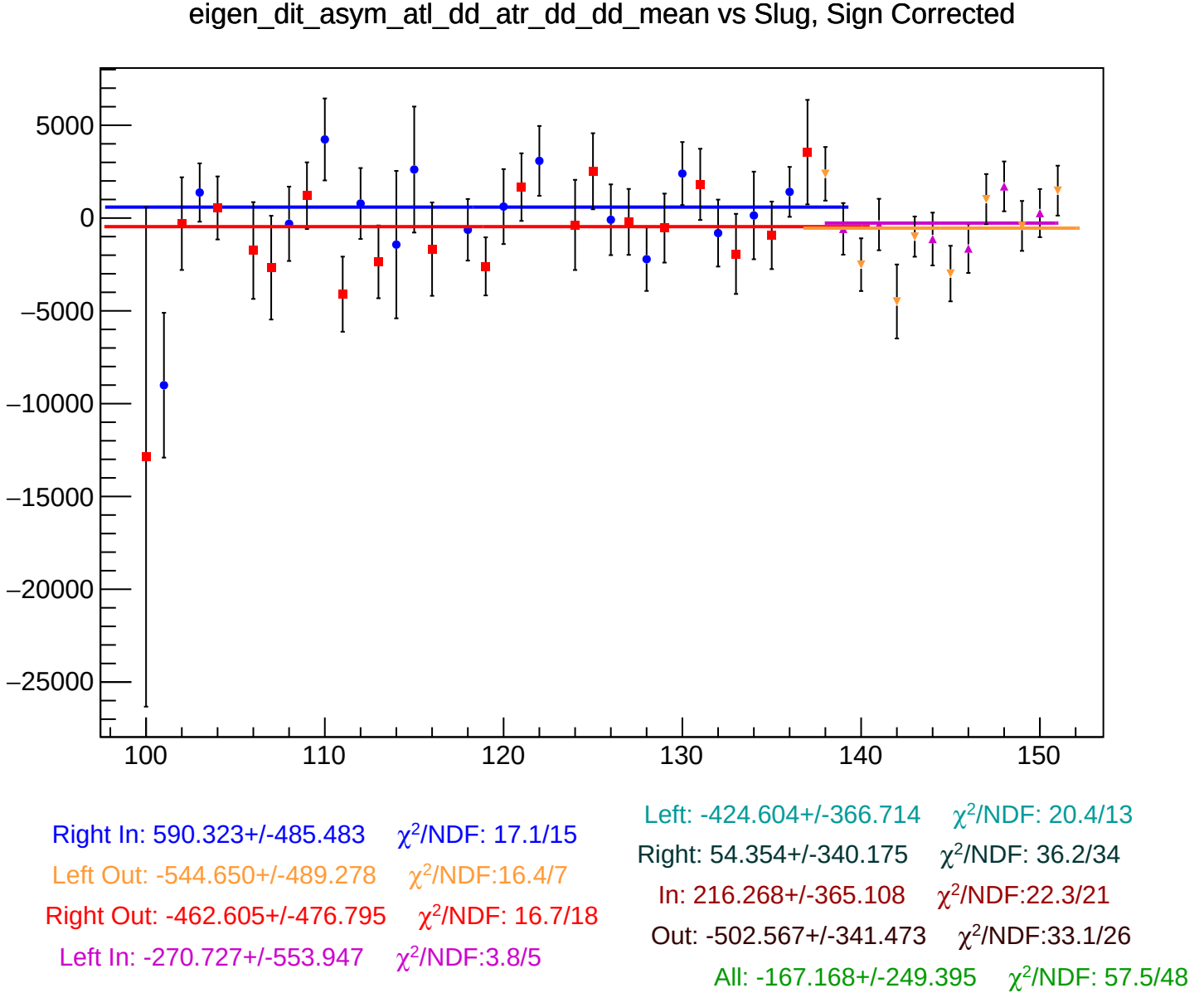
Left: 644.626+/-0.138 χ^2/NDF: 1138192.3/13

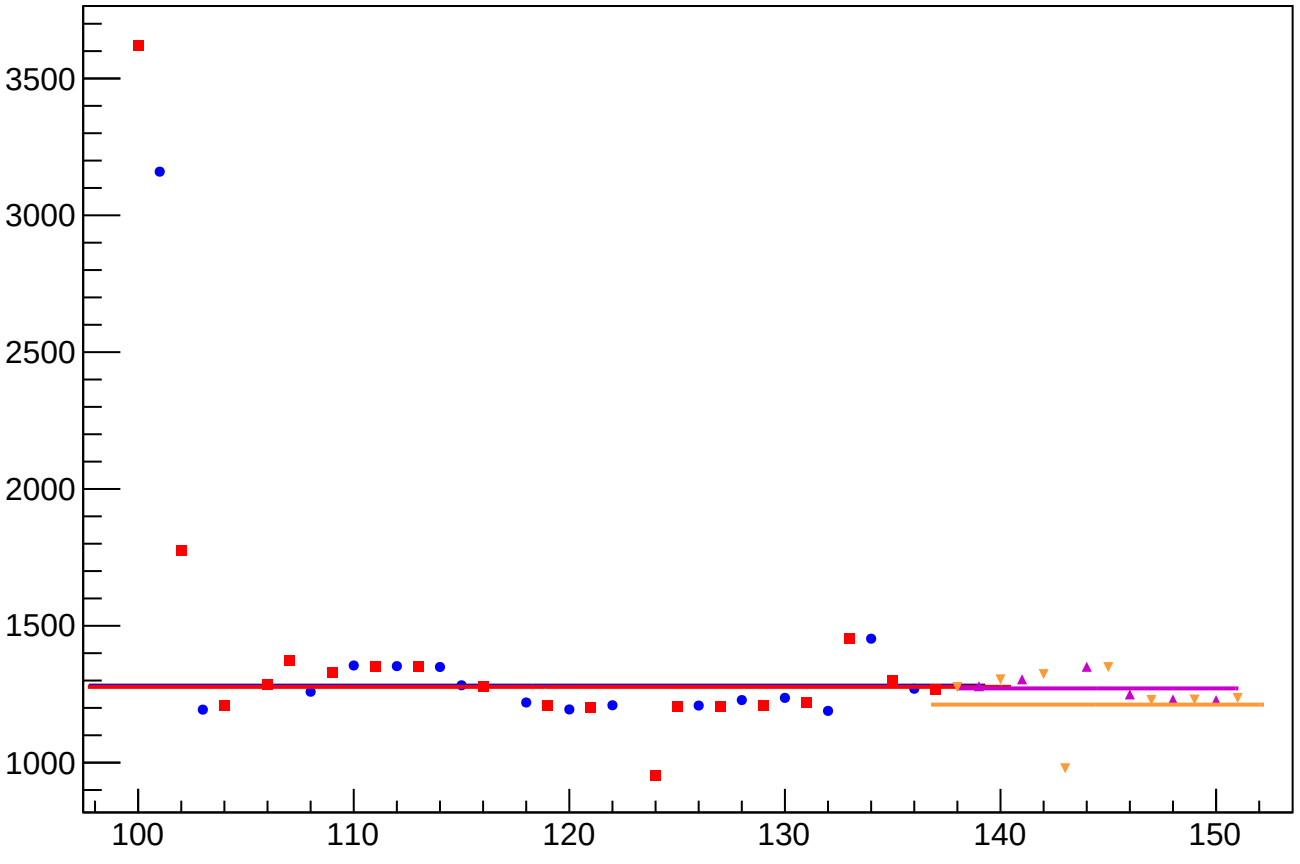
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 771.755+/-0.165 χ^2/NDF:2978168.1/21

Out: 789.201+/-0.166 χ^2/NDF:4377415.0/26

All: 780.453+/-0.117 χ^2/NDF: 7361152.5/48


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -544.650+/-489.278 χ²/NDF:16.4/7
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -270.727+/-553.947 χ²/NDF:3.8/5
Left: -424.604+/-366.714 χ²/NDF: 20.4/13
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 216.268+/-365.108 χ²/NDF:22.3/21
Out: -502.567+/-341.473 χ²/NDF:33.1/26
All: -167.168+/-249.395 χ²/NDF: 57.5/48



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1212.007+/-0.346 χ^2/NDF:128840.0/7

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1271.256+/-0.392 χ^2/NDF:11928.2/5

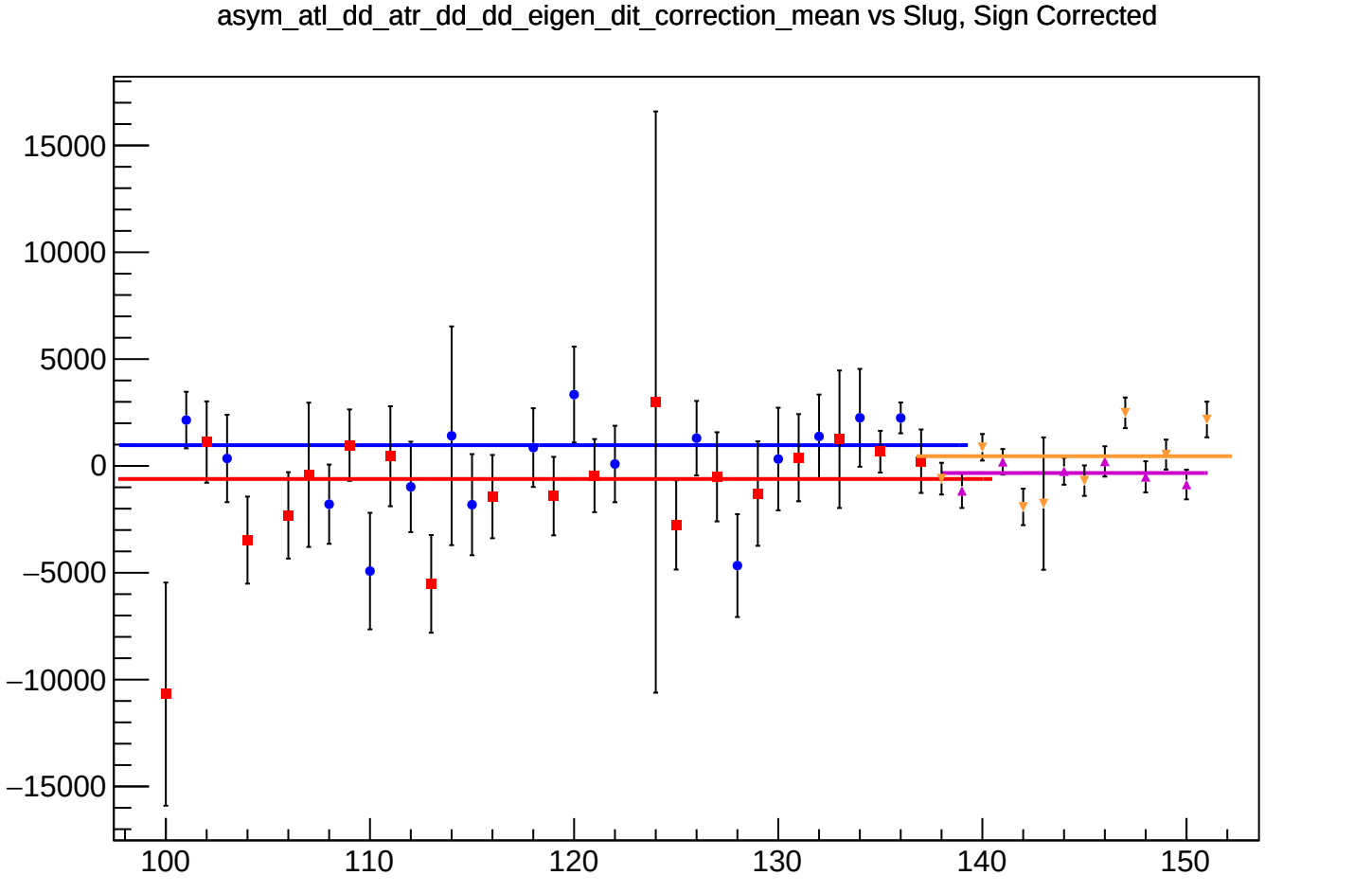
Left: 1237.973+/-0.259 χ^2/NDF: 153621.0/13

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1276.976+/-0.258 χ^2/NDF:519383.7/21

Out: 1245.272+/-0.241 χ^2/NDF:367376.4/26

All: 1260.064+/-0.176 χ^2/NDF: 894804.3/48



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 456.388+/-274.632 χ^2/NDF:25.5/7

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -331.564+/-279.294 χ^2/NDF:3.1/5

Left: 69.043+/-195.822 χ^2/NDF: 32.7/13

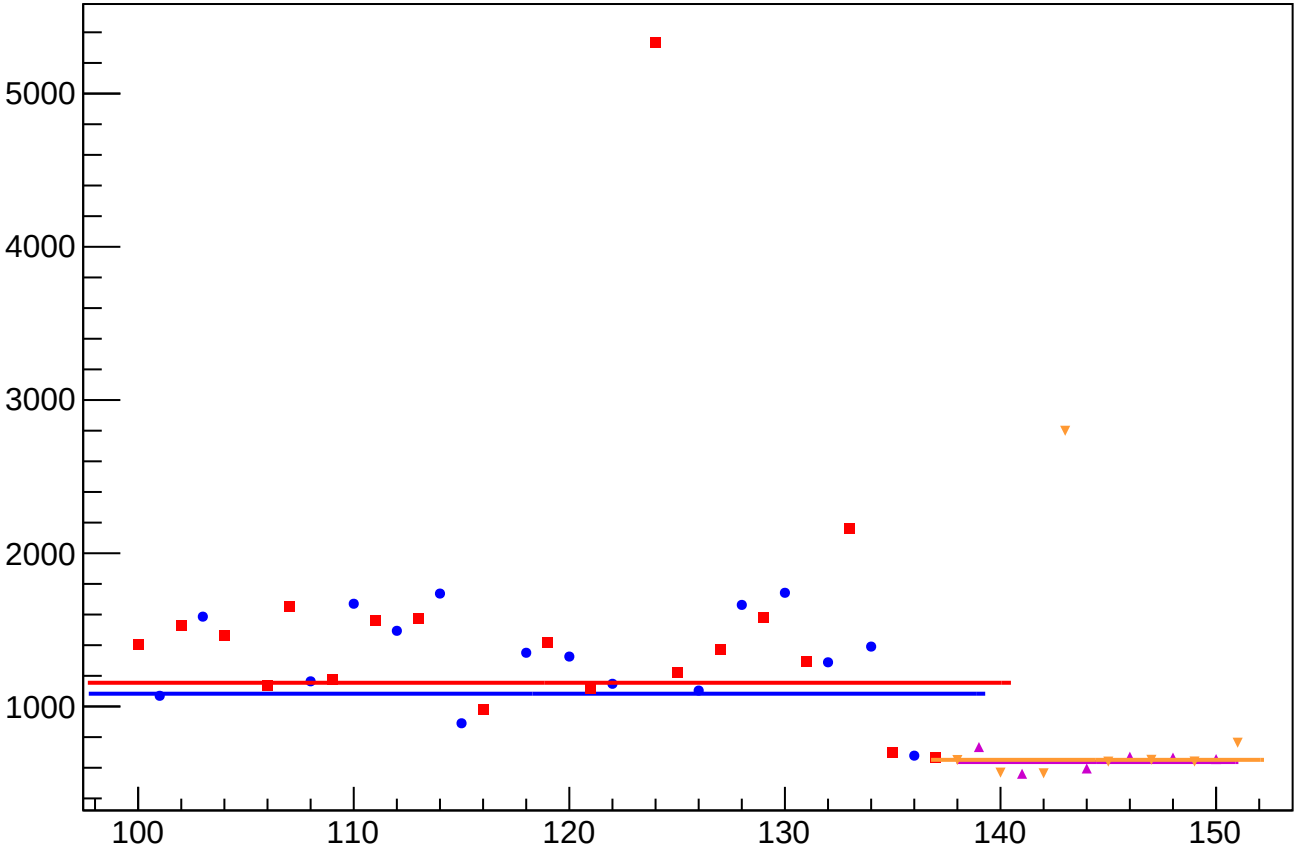
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 61.403+/-233.442 χ^2/NDF:30.1/21

Out: 165.286+/-234.102 χ^2/NDF:46.8/26

All: 113.198+/-165.301 χ^2/NDF: 77.0/48

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 651.680+/-0.194 χ^2/NDF:1054624.2/7

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 637.333+/-0.197 χ^2/NDF:80884.4/5

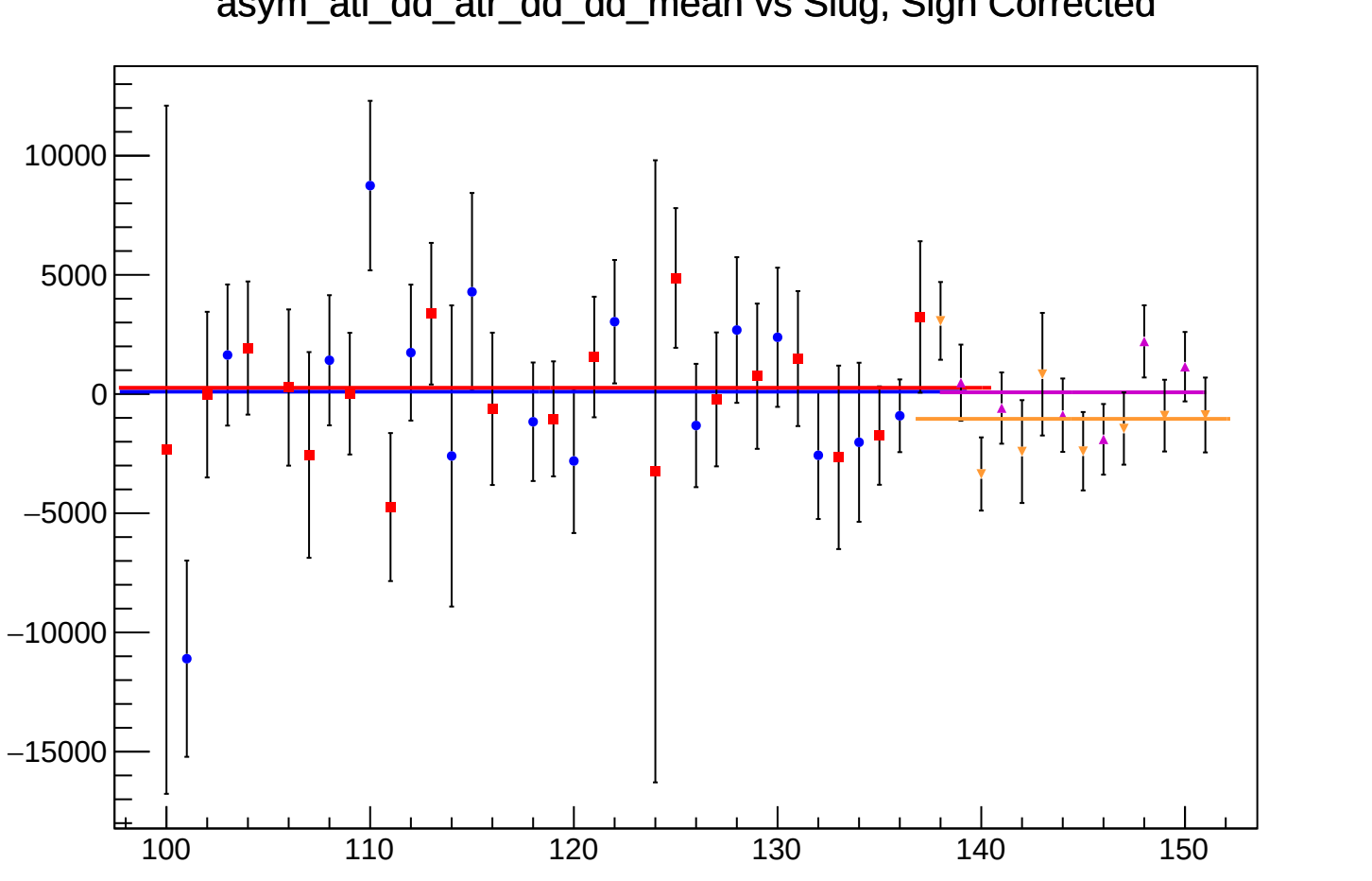
Left: 644.627+/-0.138 χ^2/NDF: 1138191.9/13

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 771.755+/-0.165 χ^2/NDF:2978152.5/21

Out: 789.204+/-0.166 χ^2/NDF:4377383.6/26

All: 780.455+/-0.117 χ^2/NDF: 7361106.9/48



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1041.060+/-595.684 χ^2/NDF:10.3/7

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 72.772+/-617.311 χ^2/NDF:5.0/5

Left: -503.997+/-428.654 χ^2/NDF: 17.0/13

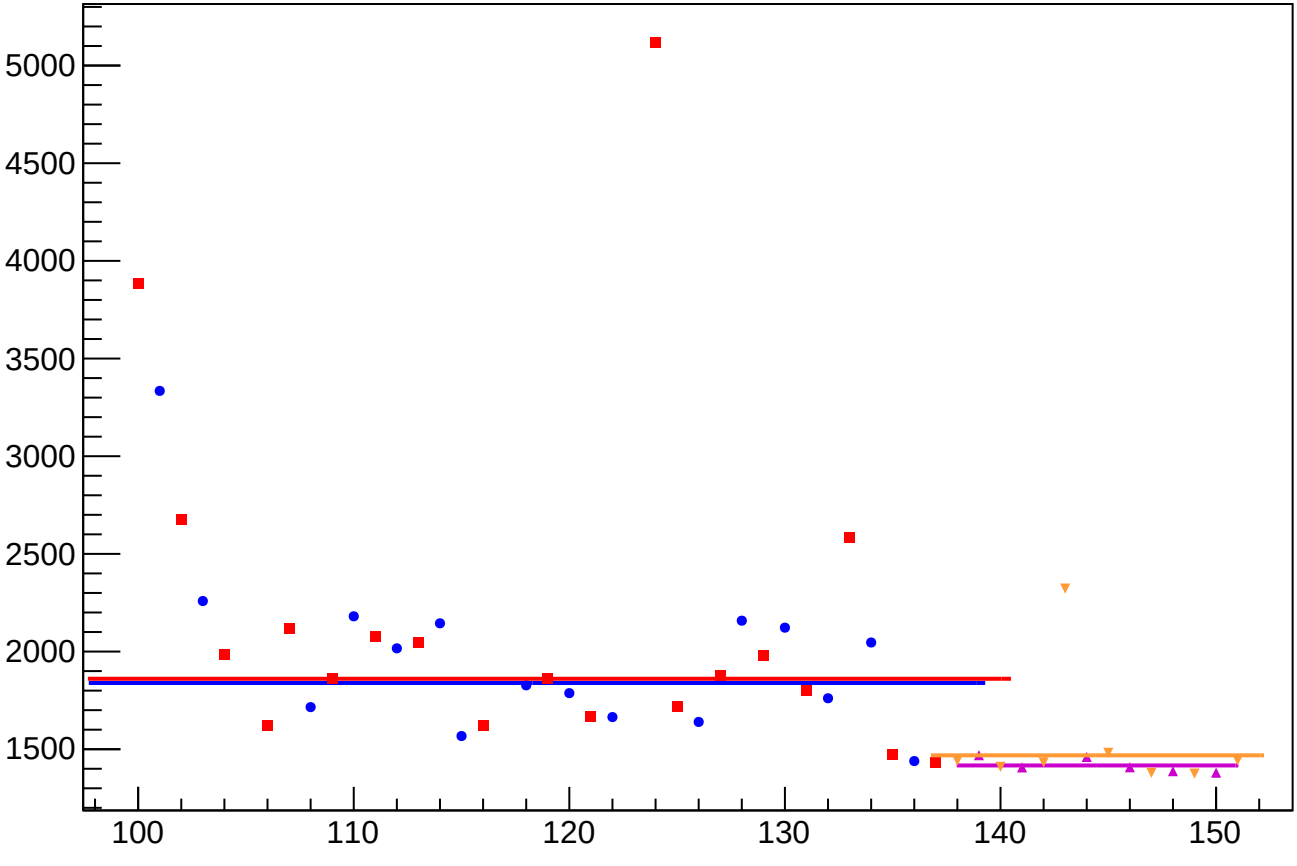
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 84.901+/-462.699 χ^2/NDF:26.2/21

Out: -493.207+/-453.581 χ^2/NDF:22.7/26

All: -209.905+/-323.906 χ^2/NDF: 49.7/48

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1468.785+/-0.421 χ^2/NDF:239717.2/7

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1416.951+/-0.437 χ^2/NDF:5960.6/5

Left: 1443.792+/-0.303 χ^2/NDF: 252979.6/13

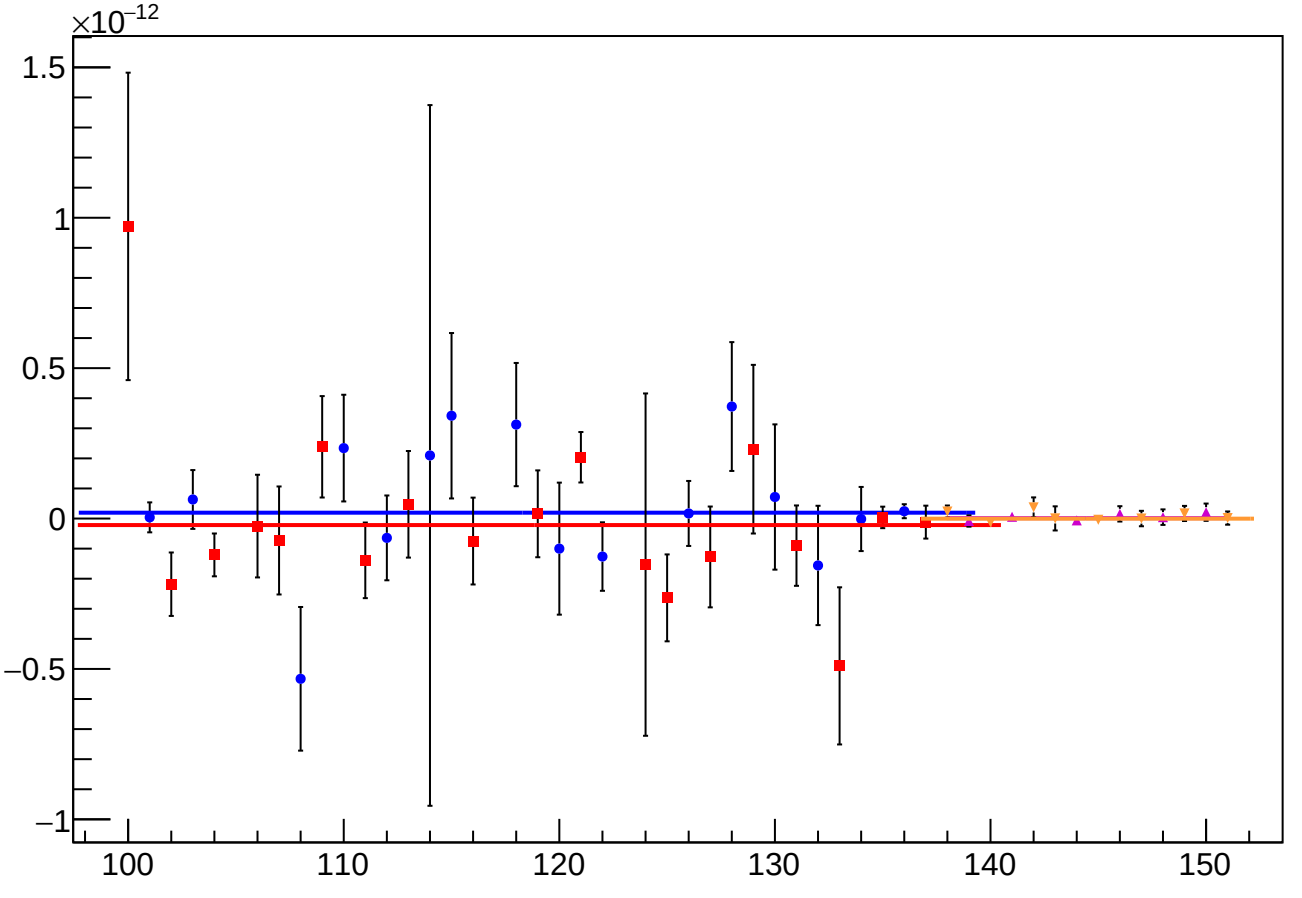
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1601.939+/-0.327 χ^2/NDF:972554.4/21

Out: 1633.492+/-0.321 χ^2/NDF:1125716.3/26

All: 1618.030+/-0.229 χ^2/NDF: 2103013.6/48

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/5

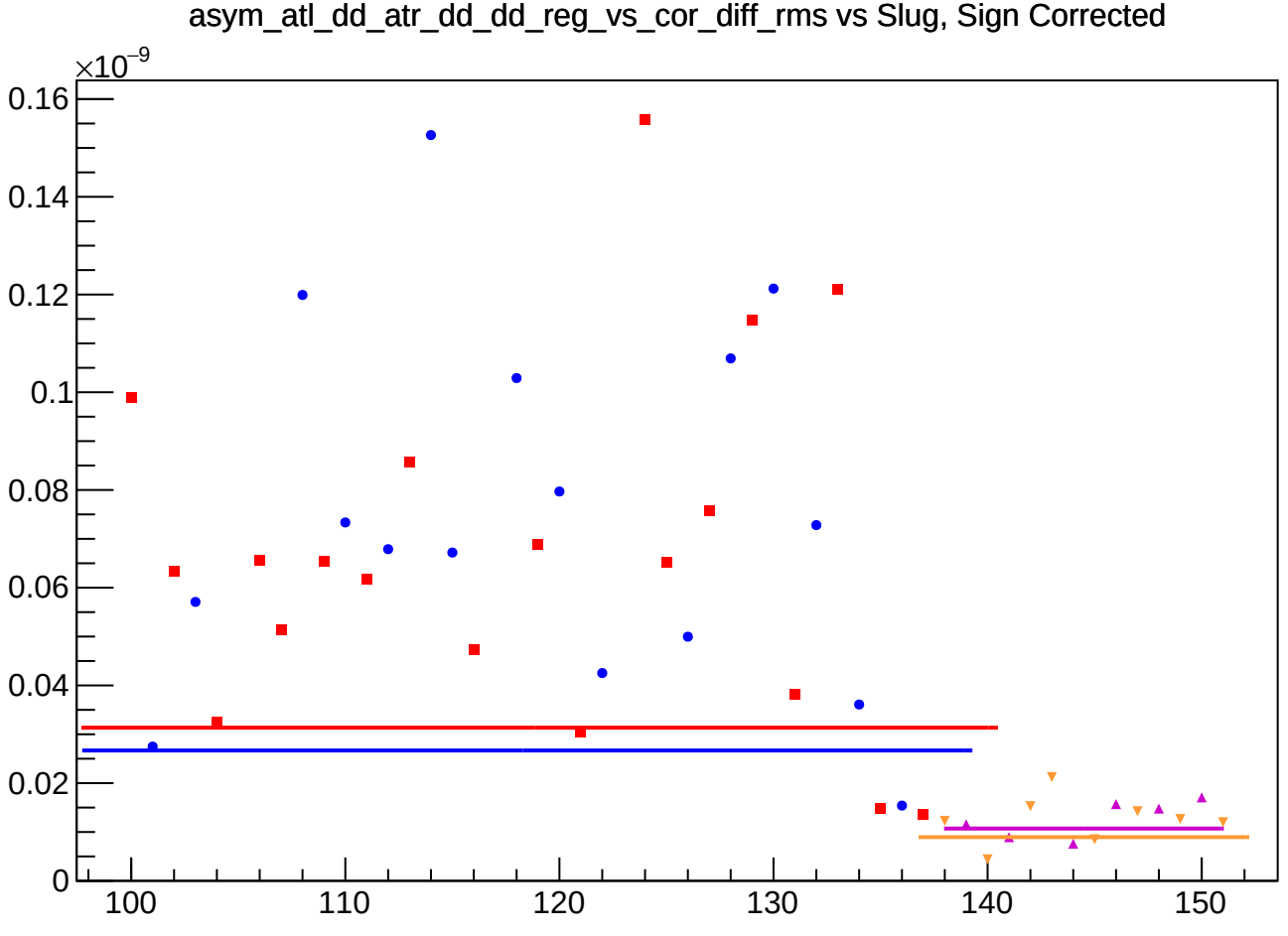
Left: 0.000+/-0.000 χ^2/NDF: 6.0/13

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:18.7/21

Out: -0.000+/-0.000 χ^2/NDF:33.5/26

All: 0.000+/-0.000 χ^2/NDF: 52.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:844883.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:362166.2/5

Left: 0.000+/-0.000 χ^2/NDF: 1265819.5/13

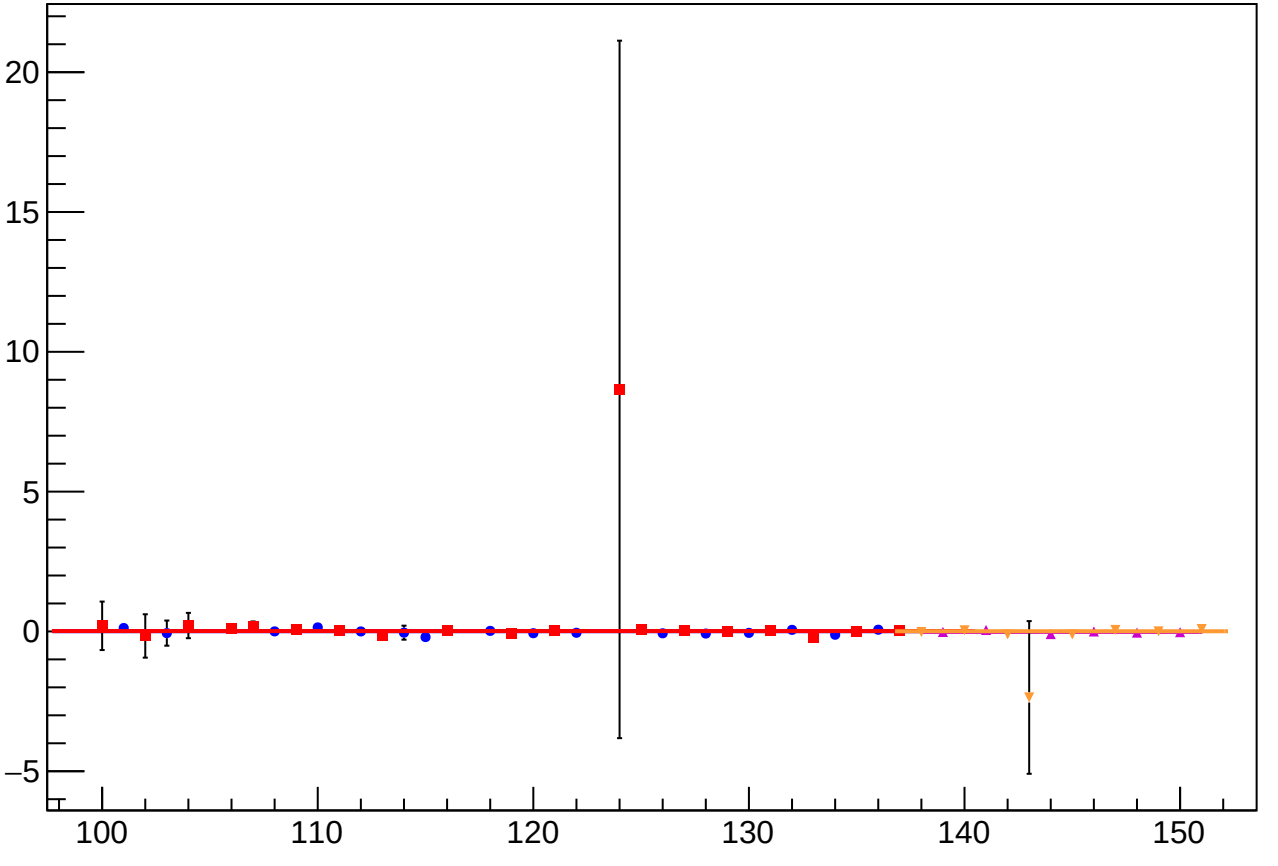
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4174768.7/21

Out: 0.000+/-0.000 χ^2/NDF:4971435.5/26

All: 0.000+/-0.000 χ^2/NDF: 9254367.7/48

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: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.016 χ^2/NDF:3.9/5

Left: -0.006+/-0.011 χ^2/NDF: 16.9/13

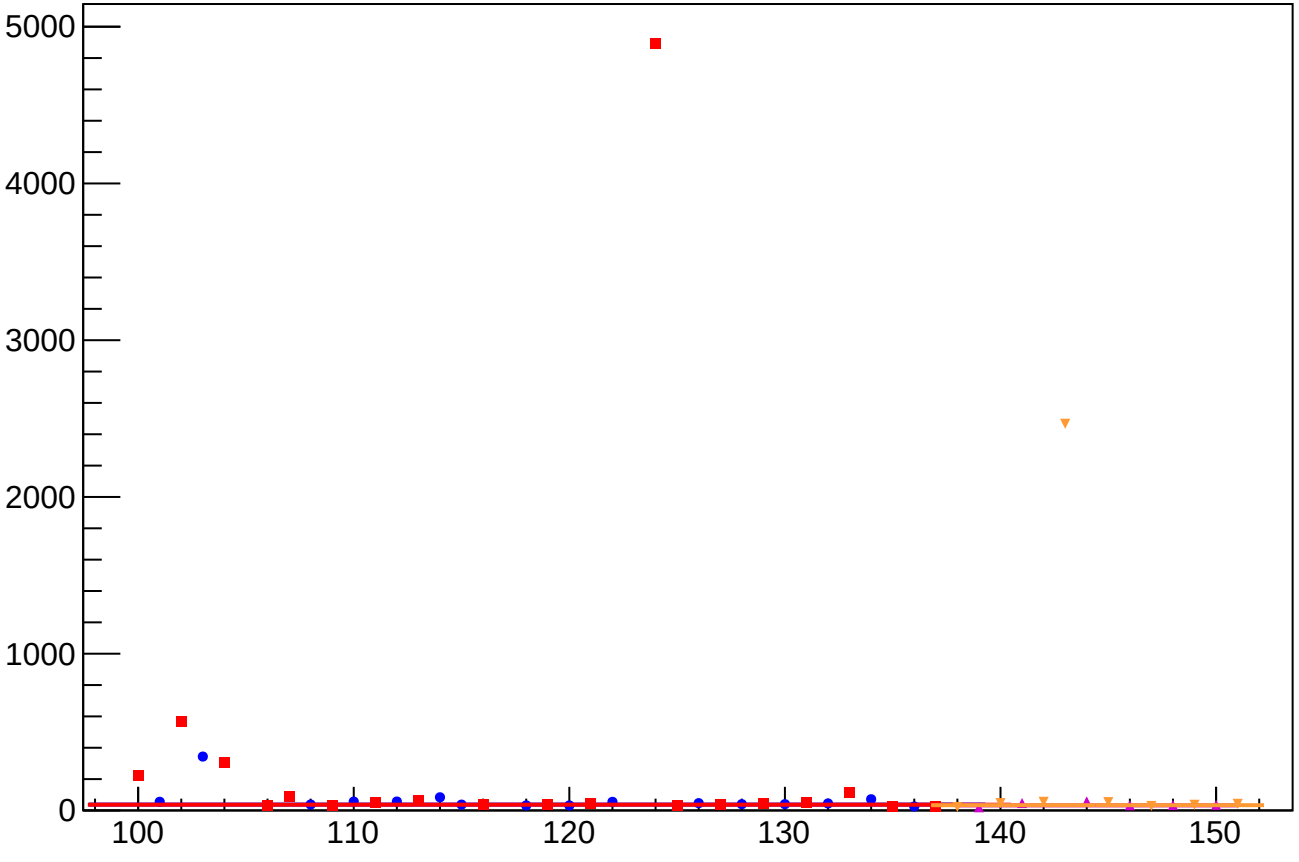
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.011 χ^2/NDF:24.6/21

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/48

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.647+/-0.011 χ^2/NDF:2486052.1/7

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.499+/-0.011 χ^2/NDF:904074.5/5

Left: 33.068+/-0.008 χ^2/NDF: 3395226.0/13

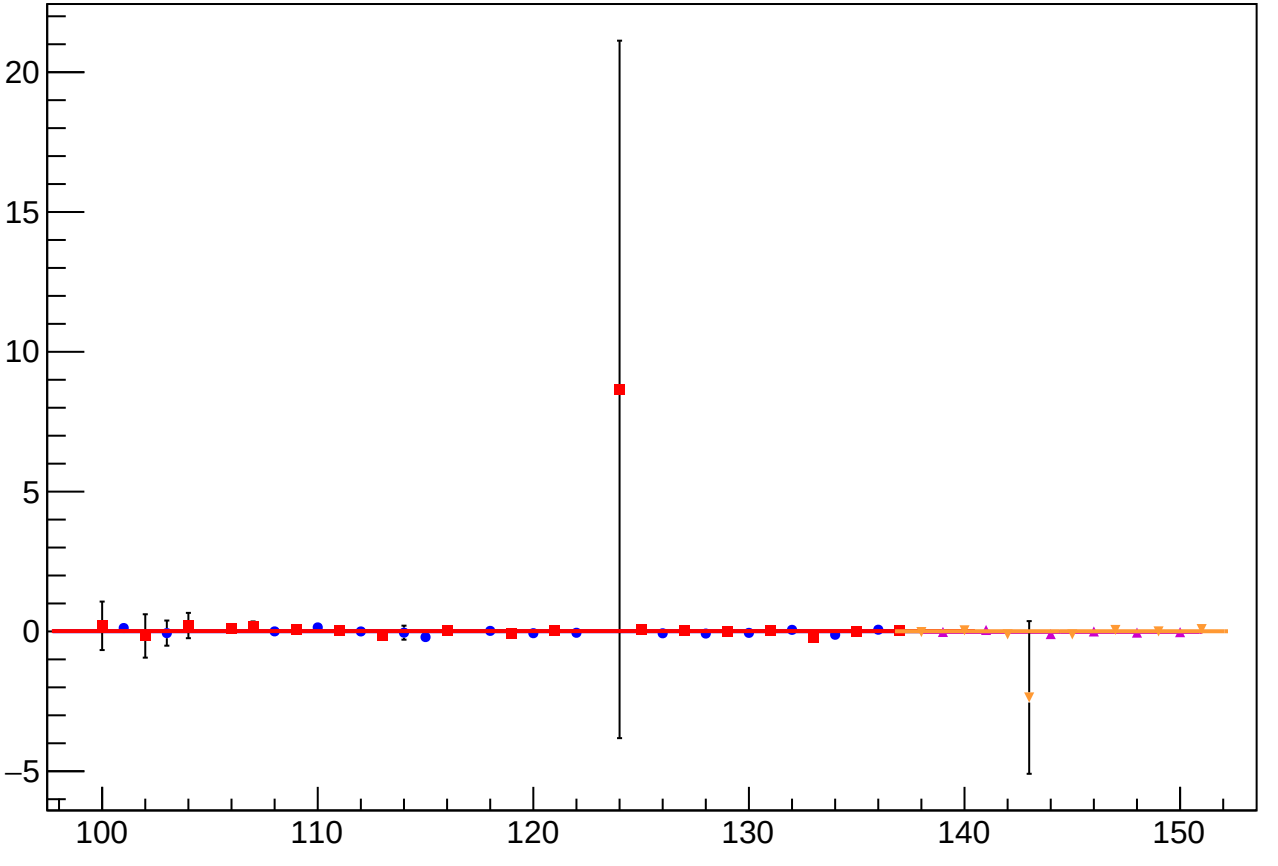
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.985+/-0.008 χ^2/NDF:2984322.9/21

Out: 35.162+/-0.008 χ^2/NDF:5713009.3/26

All: 35.072+/-0.006 χ^2/NDF: 8697572.1/48

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: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.016 χ^2/NDF:3.9/5

Left: -0.006+/-0.011 χ^2/NDF: 16.9/13

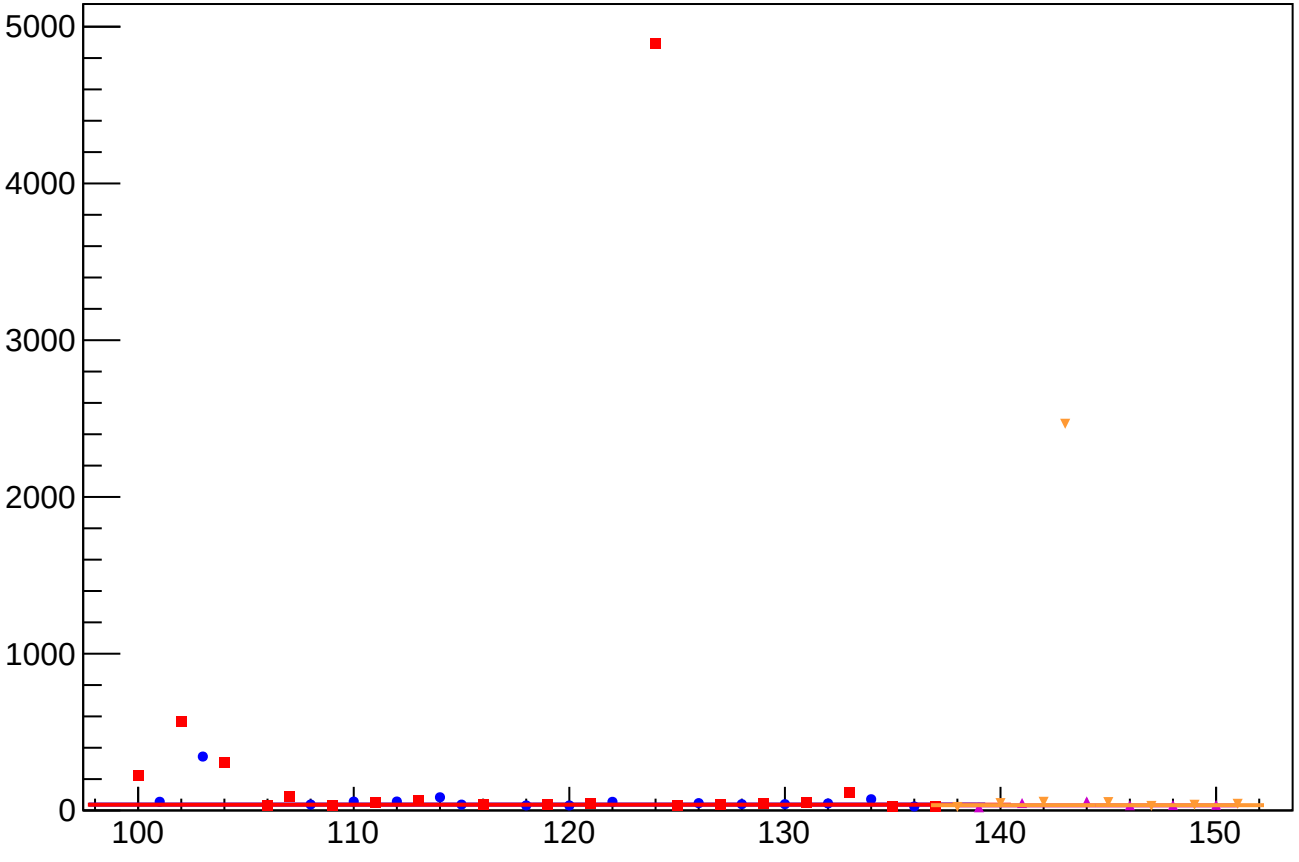
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.011 χ^2/NDF:24.6/21

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/48

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.647+/-0.011 χ^2/NDF:2486052.1/7

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.499+/-0.011 χ^2/NDF:904074.5/5

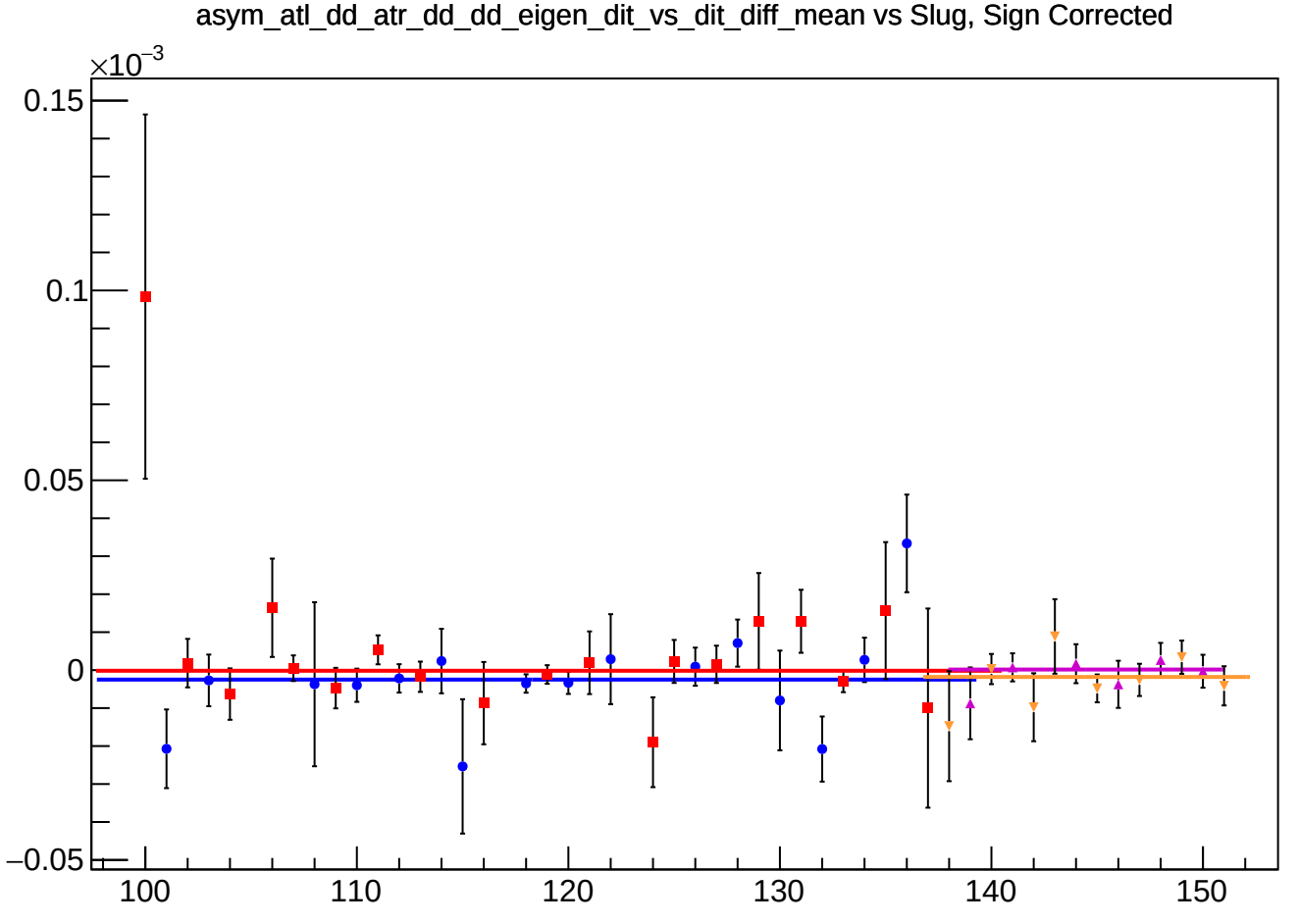
Left: 33.068+/-0.008 χ^2/NDF: 3395226.0/13

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.985+/-0.008 χ^2/NDF:2984322.9/21

Out: 35.162+/-0.008 χ^2/NDF:5713009.3/26

All: 35.072+/-0.006 χ^2/NDF: 8697572.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/5

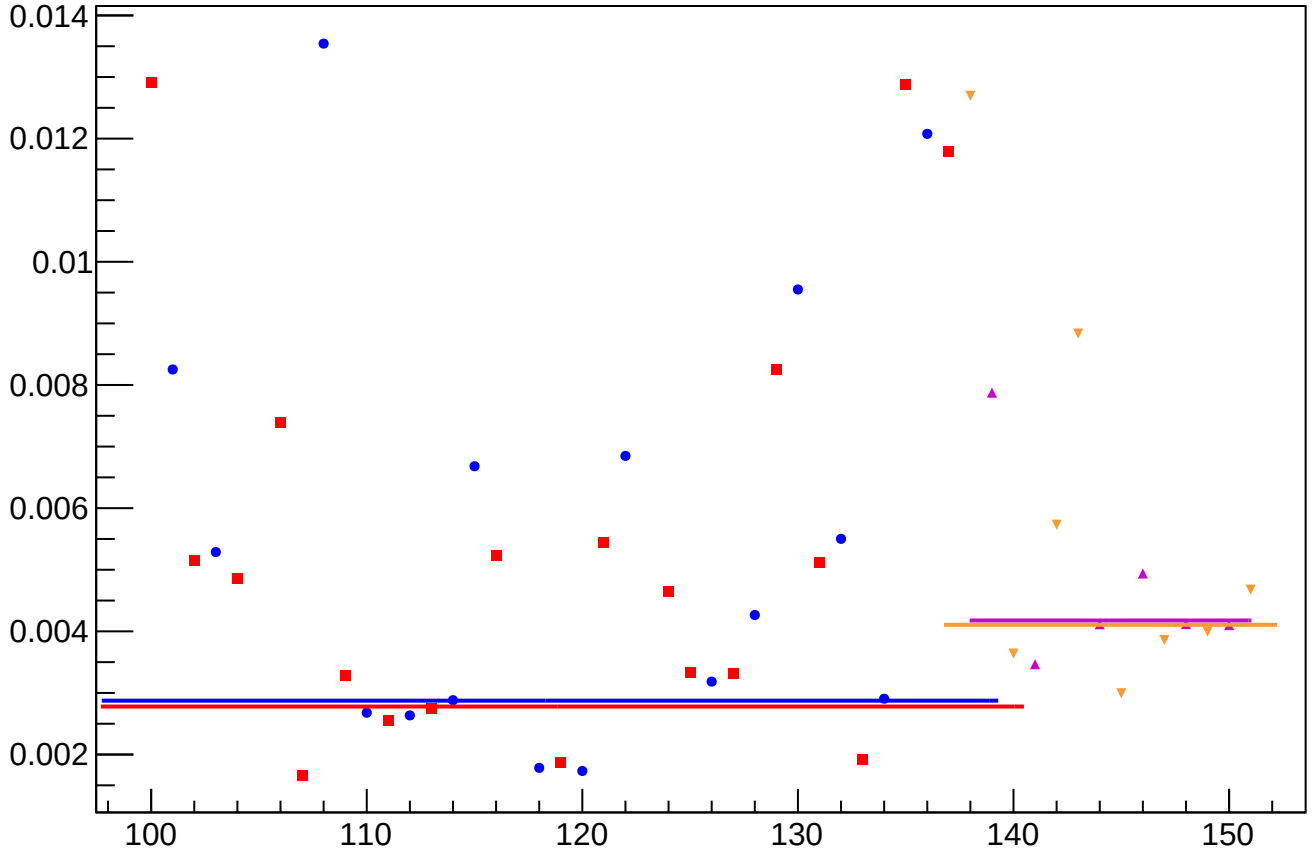
Left: -0.000+/-0.000 χ^2/NDF: 7.6/13

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:24.8/21

Out: -0.000+/-0.000 χ^2/NDF:24.8/26

All: -0.000+/-0.000 χ^2/NDF: 50.1/48



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1477024.7/7

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:411345.4/5

Left: 0.004+/-0.000 χ^2/NDF: 1889714.1/13

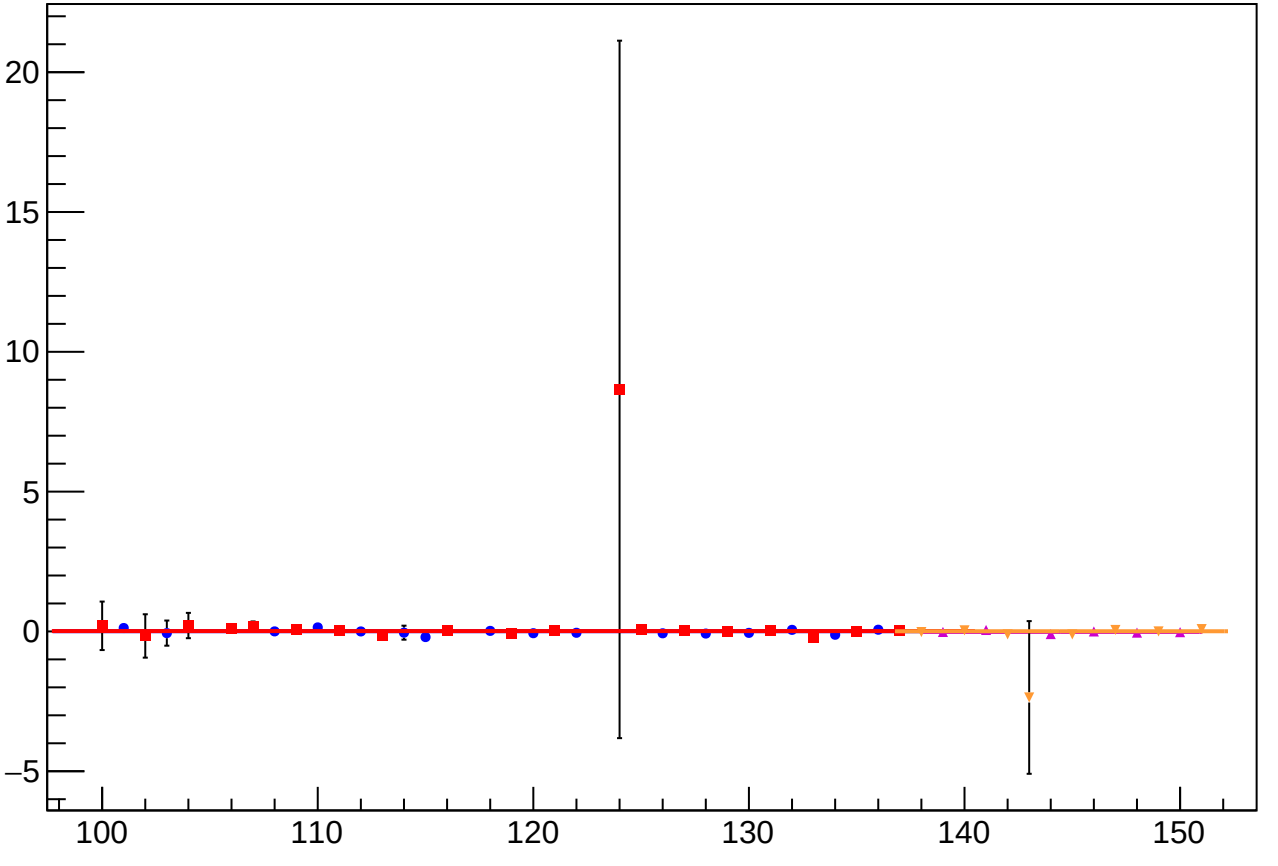
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5159161.2/21

Out: 0.003+/-0.000 χ^2/NDF:5554380.1/26

All: 0.003+/-0.000 χ^2/NDF: 10720616.8/48

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: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.016 χ^2/NDF:3.9/5

Left: -0.006+/-0.011 χ^2/NDF: 16.9/13

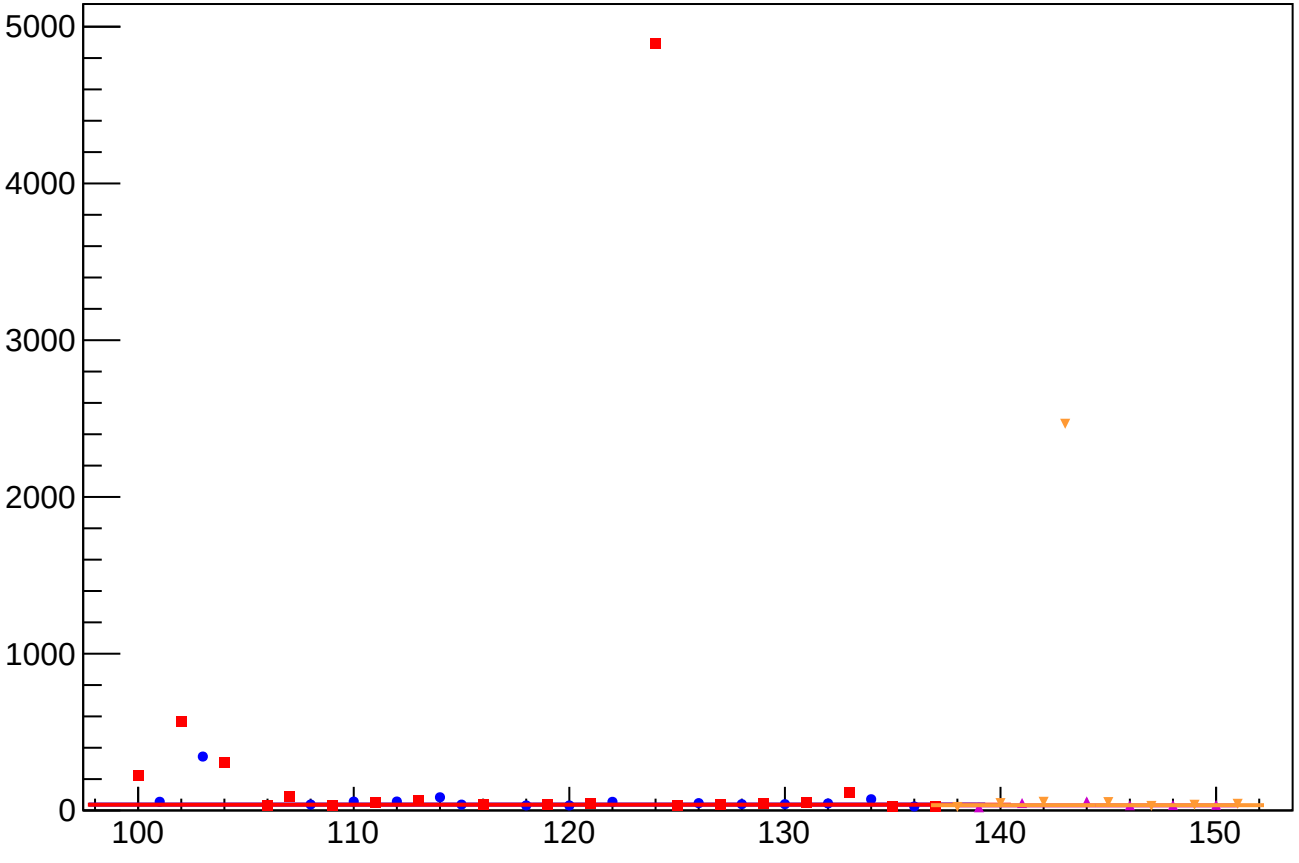
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.011 χ^2/NDF:24.6/21

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/48

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.504+/-0.011 χ^2/NDF:903285.4/5

Left: 33.069+/-0.008 χ^2/NDF: 3394745.3/13

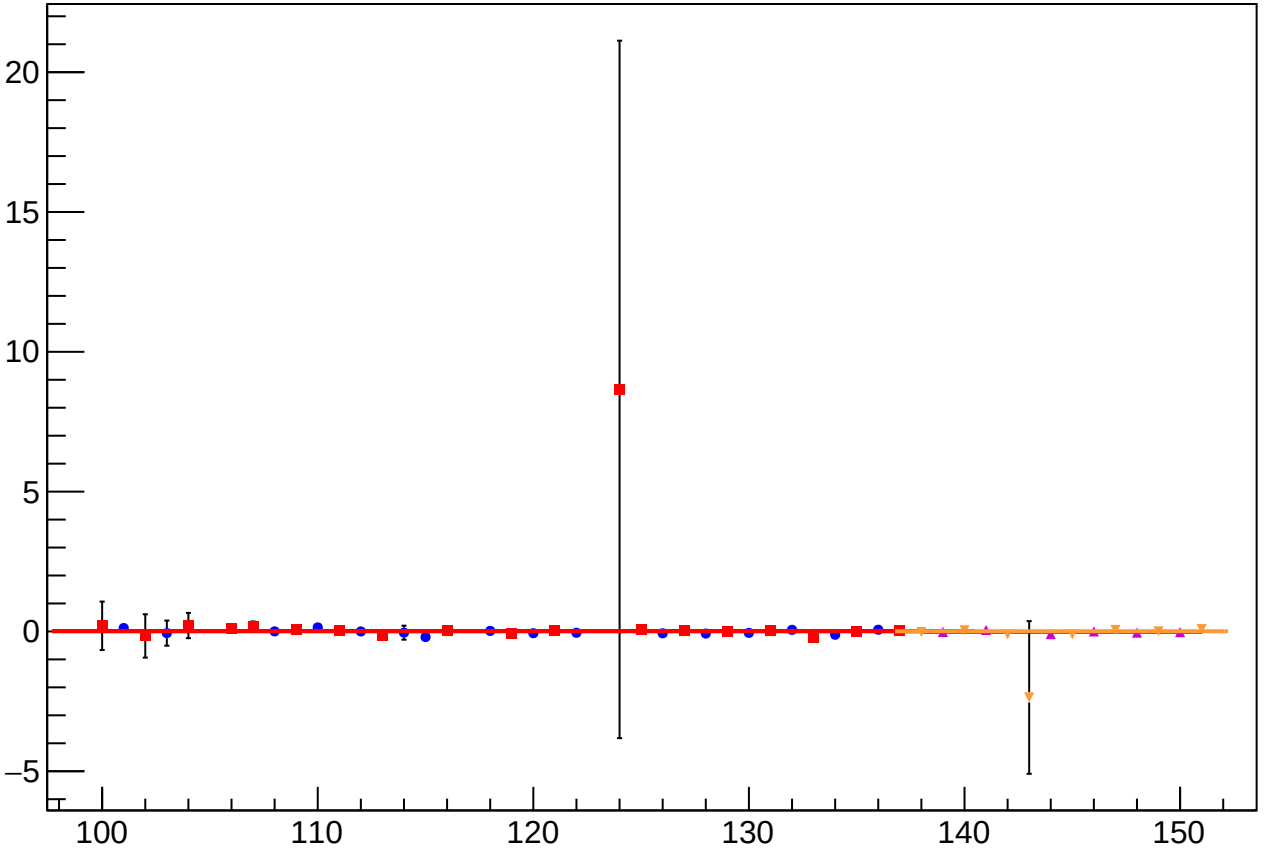
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.987+/-0.008 χ^2/NDF:2983311.3/21

Out: 35.161+/-0.008 χ^2/NDF:5713194.3/26

All: 35.073+/-0.006 χ^2/NDF: 8696736.4/48

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: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.016 χ^2/NDF:3.9/5

Left: -0.006+/-0.011 χ^2/NDF: 16.9/13

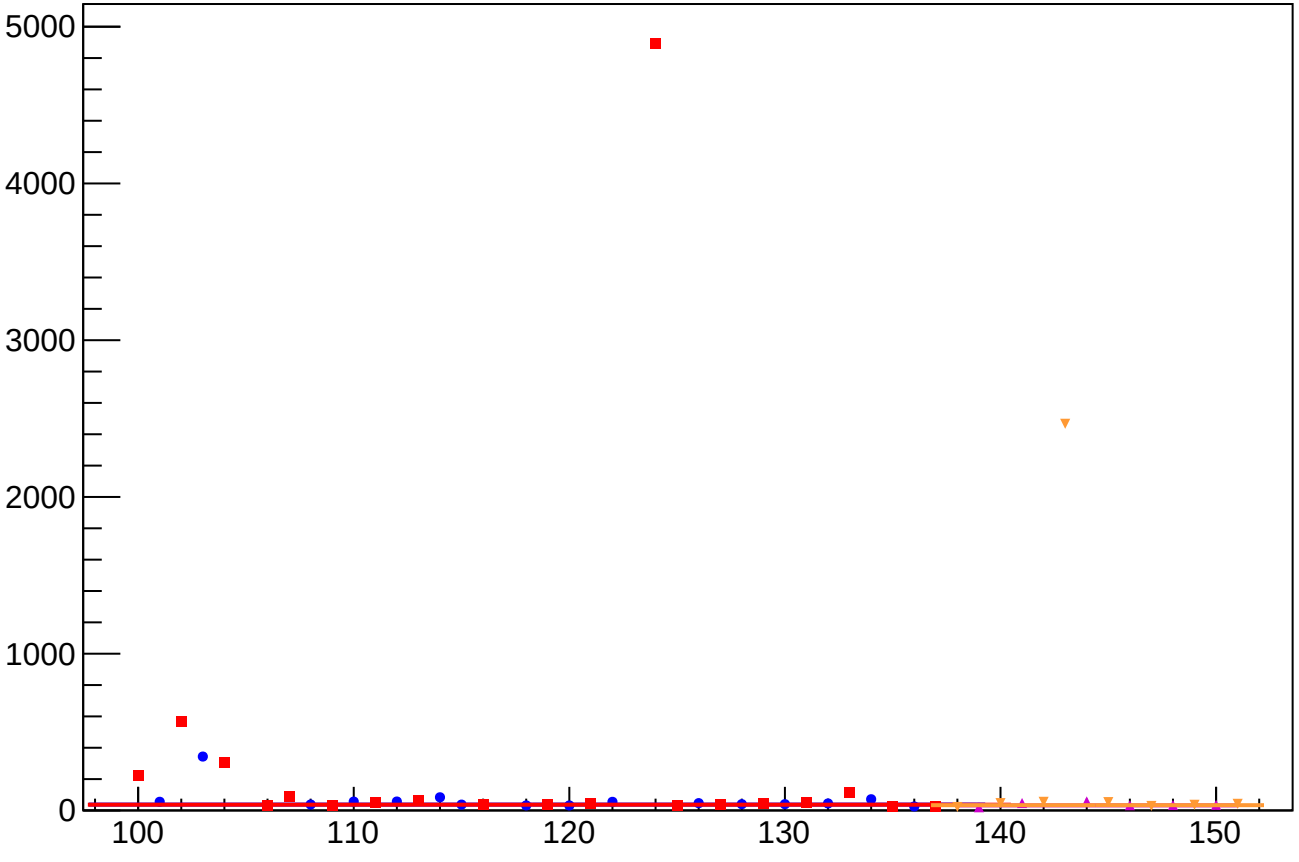
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.011 χ^2/NDF:24.6/21

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/48

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.504+/-0.011 χ^2/NDF:903285.4/5

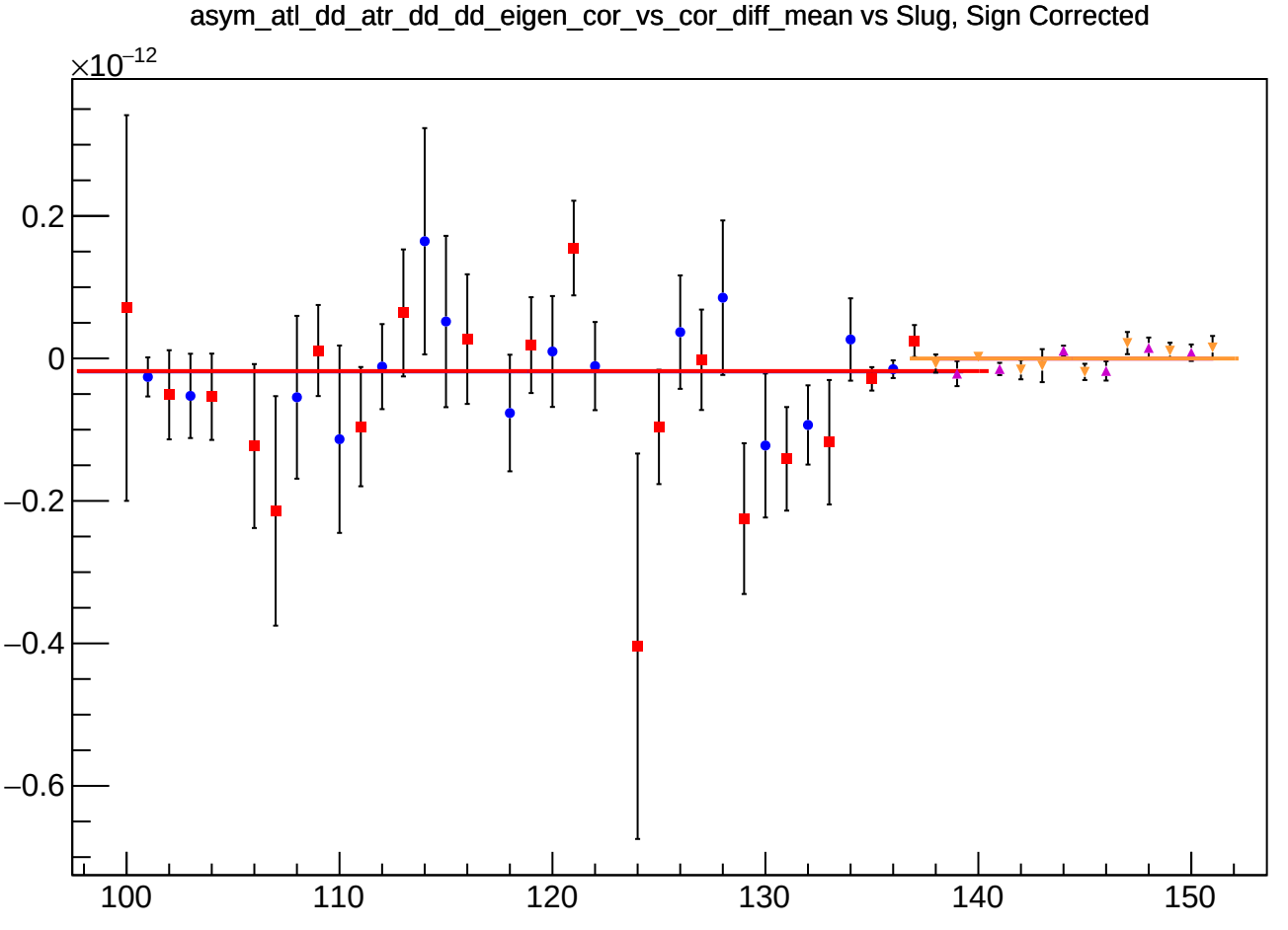
Left: 33.069+/-0.008 χ^2/NDF: 3394745.3/13

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.987+/-0.008 χ^2/NDF:2983311.3/21

Out: 35.161+/-0.008 χ^2/NDF:5713194.3/26

All: 35.073+/-0.006 χ^2/NDF: 8696736.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.0/5

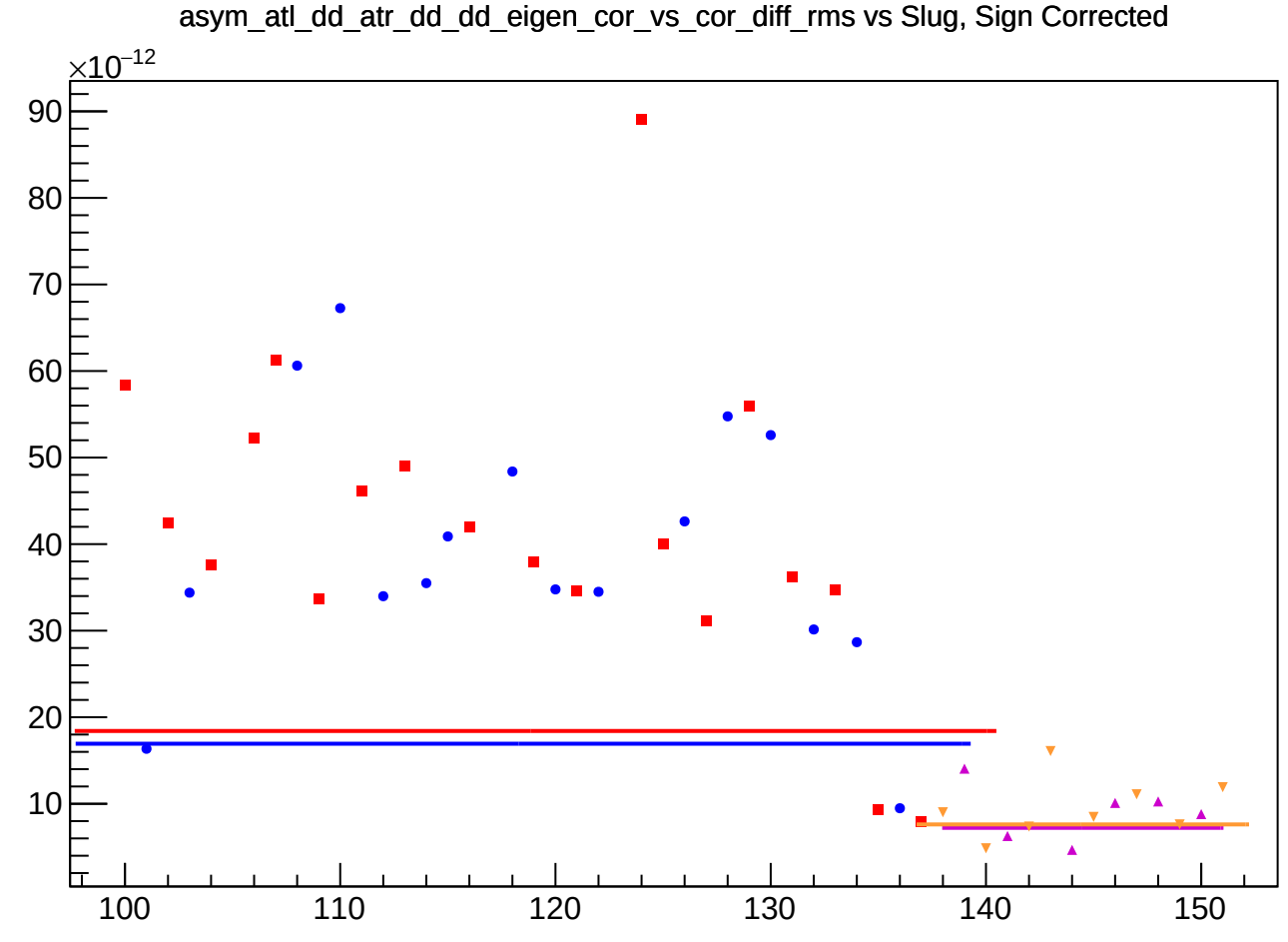
Left: -0.000+/-0.000 χ^2/NDF: 18.4/13

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:21.1/21

Out: -0.000+/-0.000 χ^2/NDF:37.9/26

All: -0.000+/-0.000 χ^2/NDF: 59.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:878202.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:805443.7/5

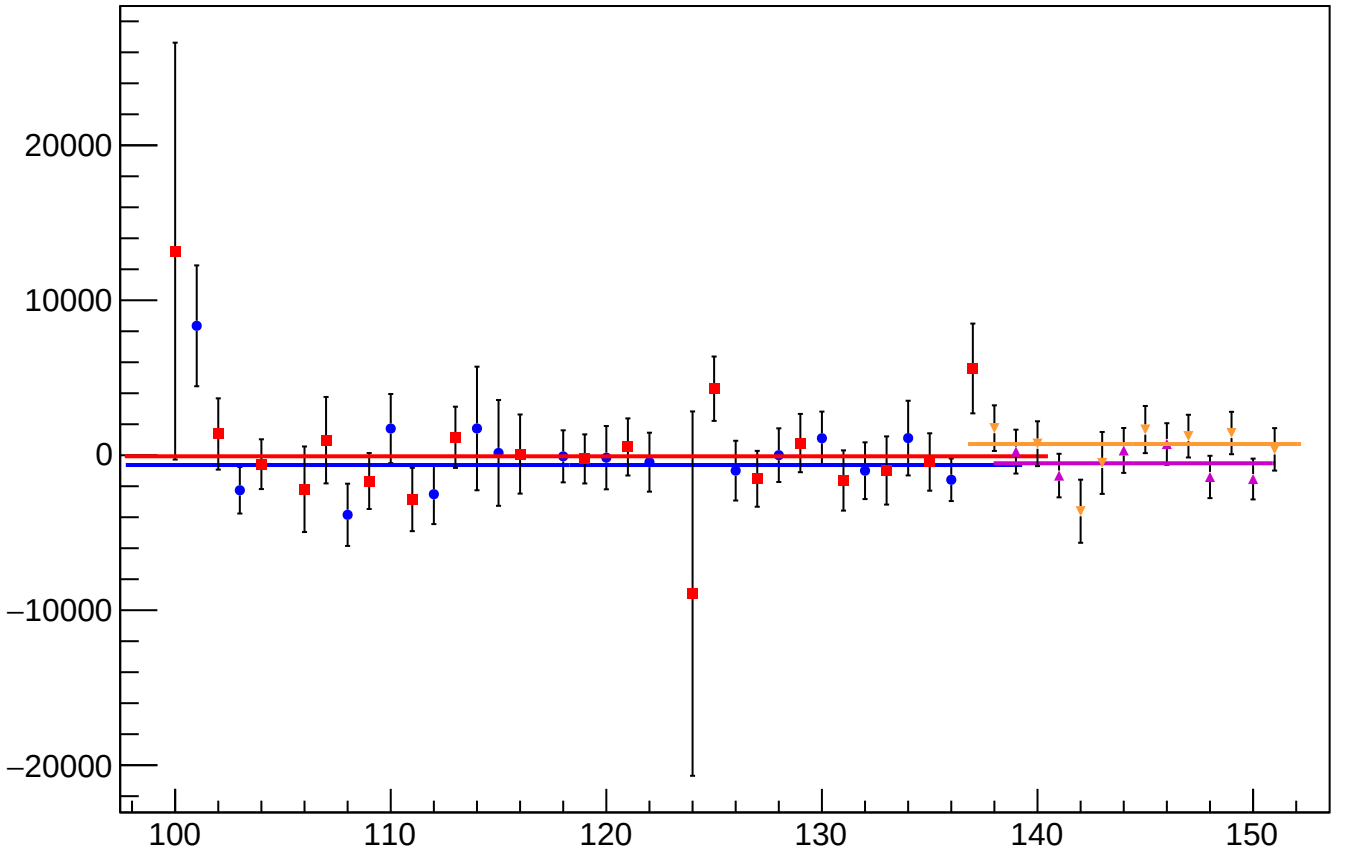
Left: 0.000+/-0.000 χ^2/NDF: 1692359.7/13

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:5632110.2/21

Out: 0.000+/-0.000 χ^2/NDF:6227941.9/26

All: 0.000+/-0.000 χ^2/NDF: 11862322.9/48



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.837+/-537.862 χ^2/NDF:6.2/7

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -517.647+/-563.232 χ^2/NDF:2.8/5

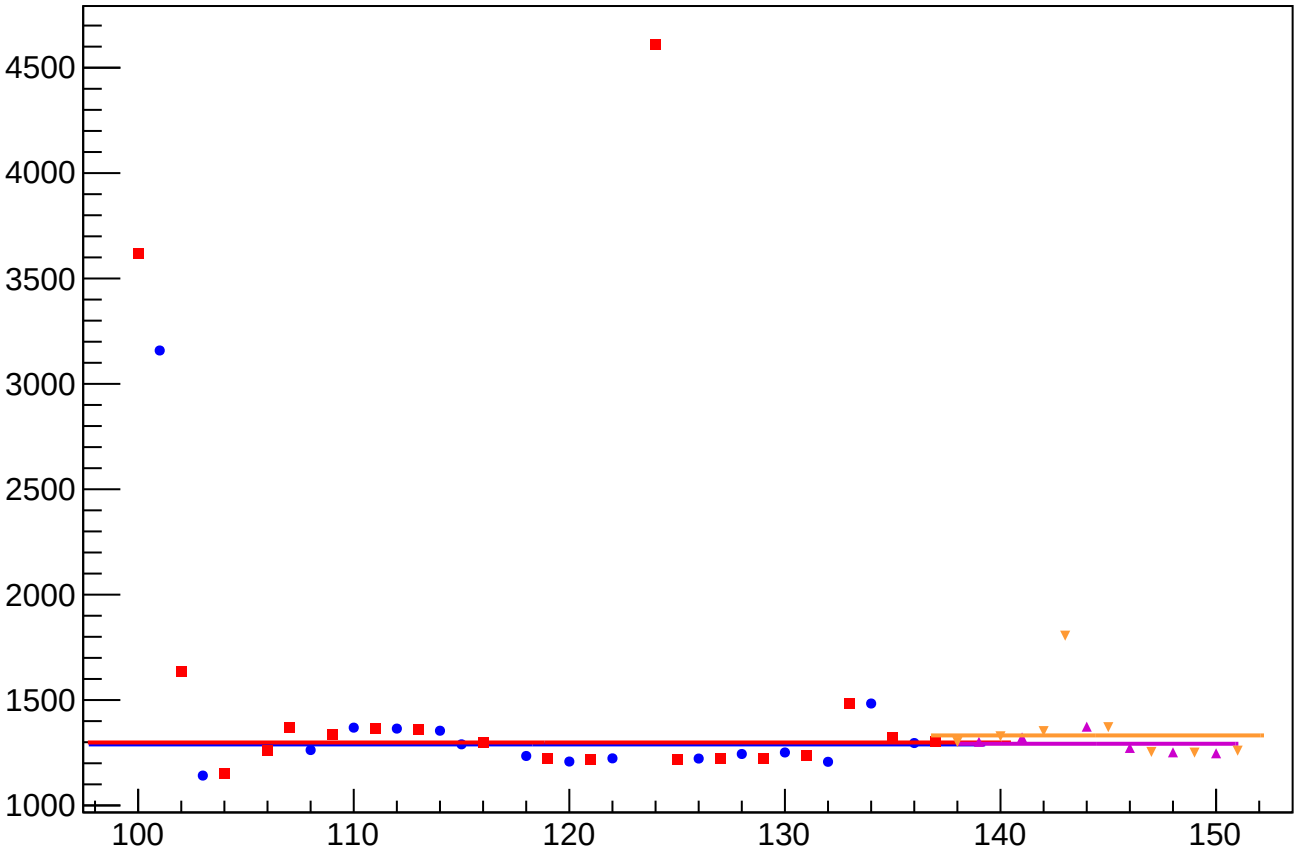
Left: 131.685+/-388.985 χ^2/NDF: 11.6/13

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -582.342+/-369.106 χ^2/NDF:16.7/21

Out: 289.526+/-361.316 χ^2/NDF:23.3/26

All: -137.111+/-258.199 χ^2/NDF: 42.9/48



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

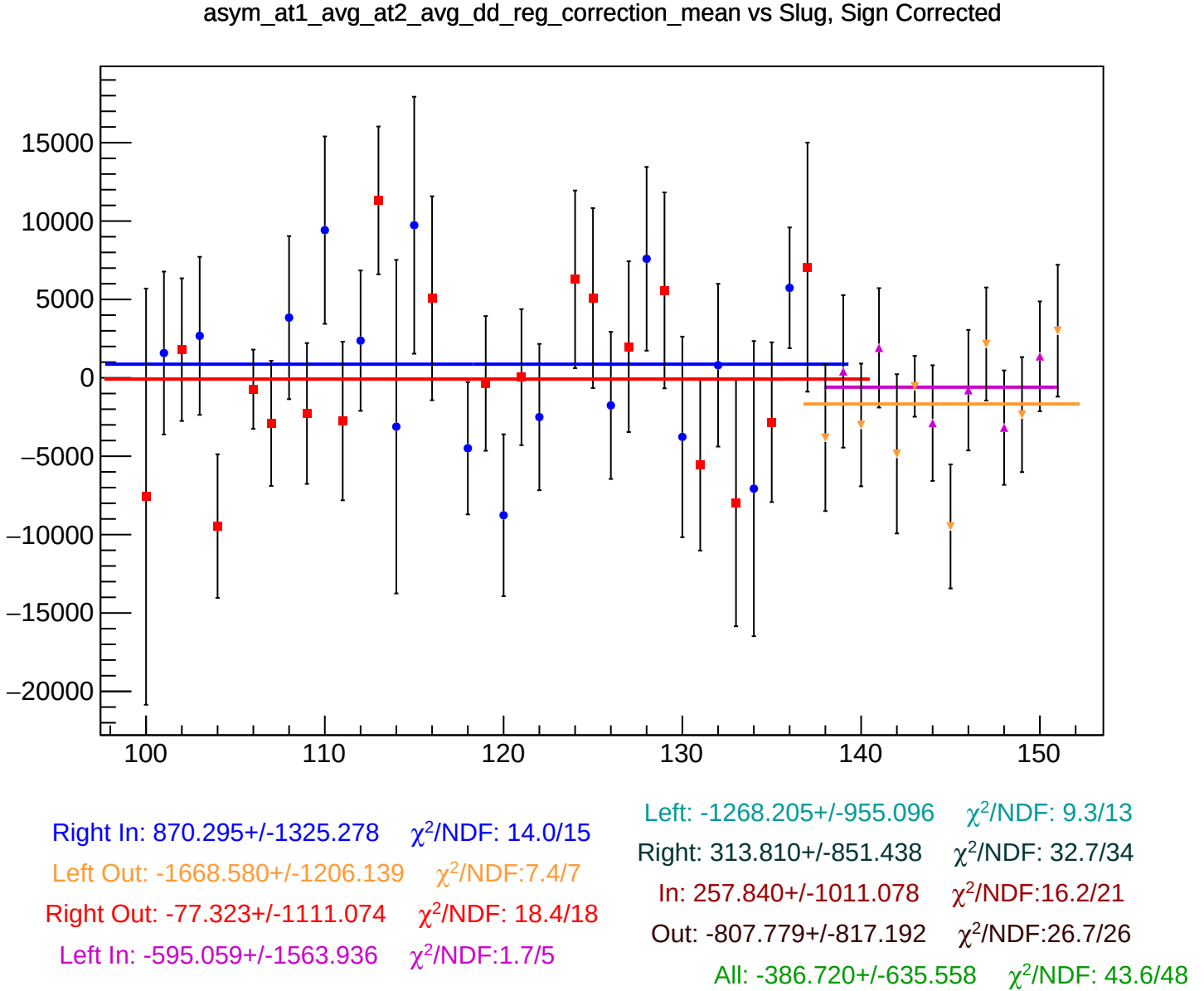
Left: 1313.284+/-0.275 χ^2/NDF: 150761.8/13

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

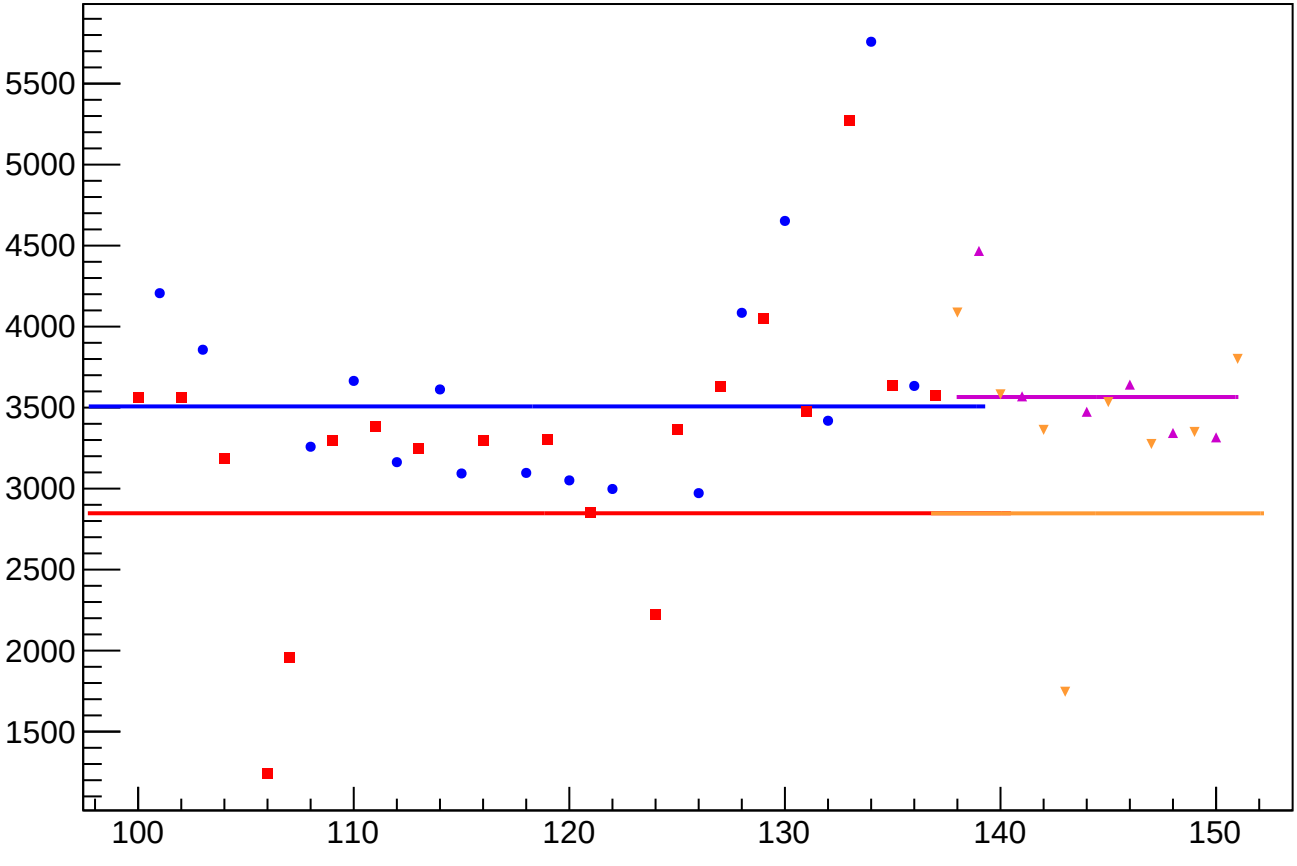
In: 1290.793+/-0.261 χ^2/NDF:526539.1/21

Out: 1313.744+/-0.255 χ^2/NDF:457403.1/26

All: 1302.530+/-0.182 χ^2/NDF: 987896.5/48


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -1668.580+/-1206.139 χ²/NDF:7.4/7
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -595.059+/-1563.936 χ²/NDF:1.7/5
Left: -1268.205+/-955.096 χ²/NDF: 9.3/13
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 257.840+/-1011.078 χ²/NDF:16.2/21
Out: -807.779+/-817.192 χ²/NDF:26.7/26
All: -386.720+/-635.558 χ²/NDF: 43.6/48

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: 2847.311+/-0.853 χ^2/NDF:1105175.2/7

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3565.427+/-1.106 χ^2/NDF:88295.7/5

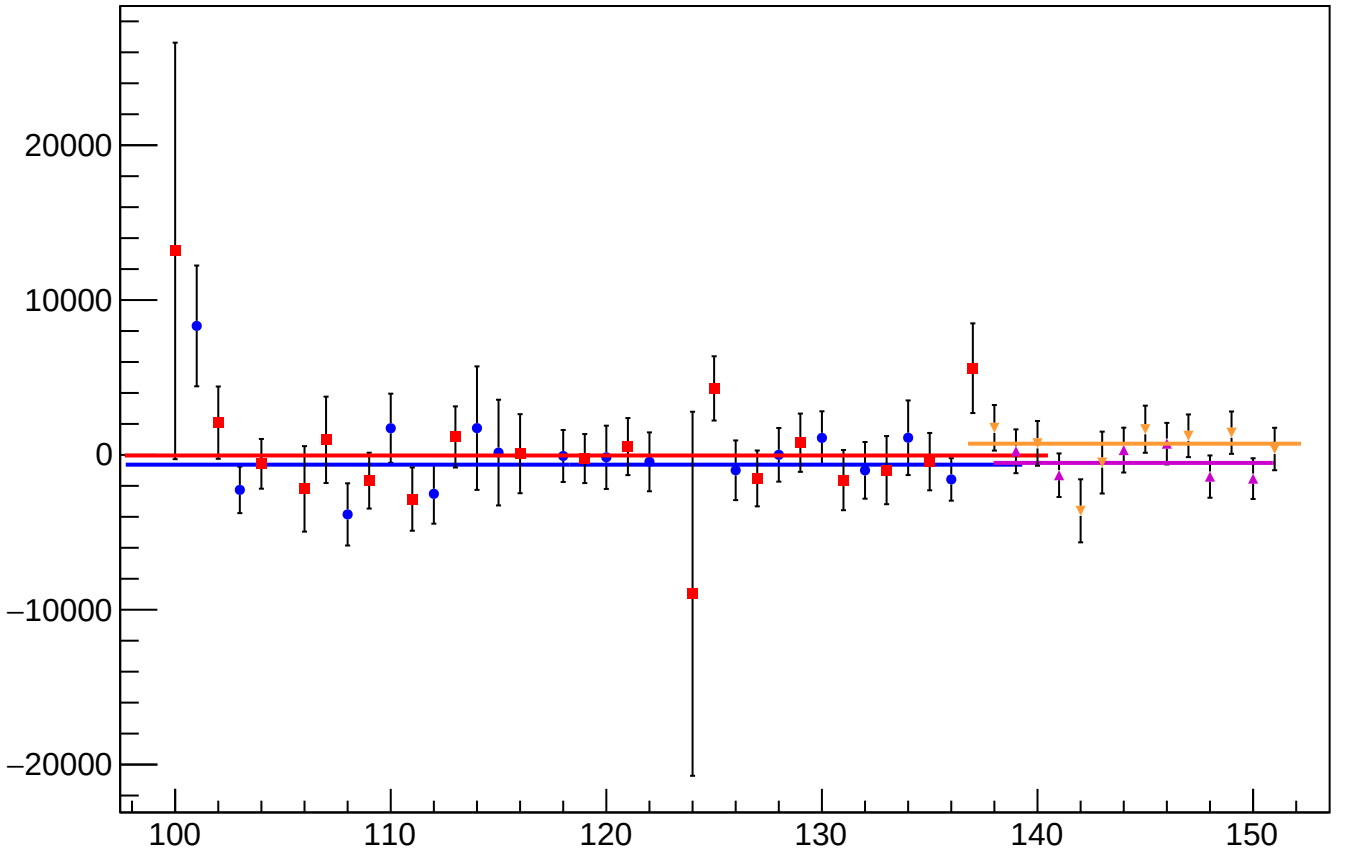
Left: 3115.136+/-0.675 χ^2/NDF: 1457882.2/13

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3531.651+/-0.715 χ^2/NDF:443877.5/21

Out: 2847.593+/-0.578 χ^2/NDF:2604549.0/26

All: 3117.886+/-0.449 χ^2/NDF: 3602168.8/48



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -517.618+/-563.232 χ^2/NDF:2.8/5

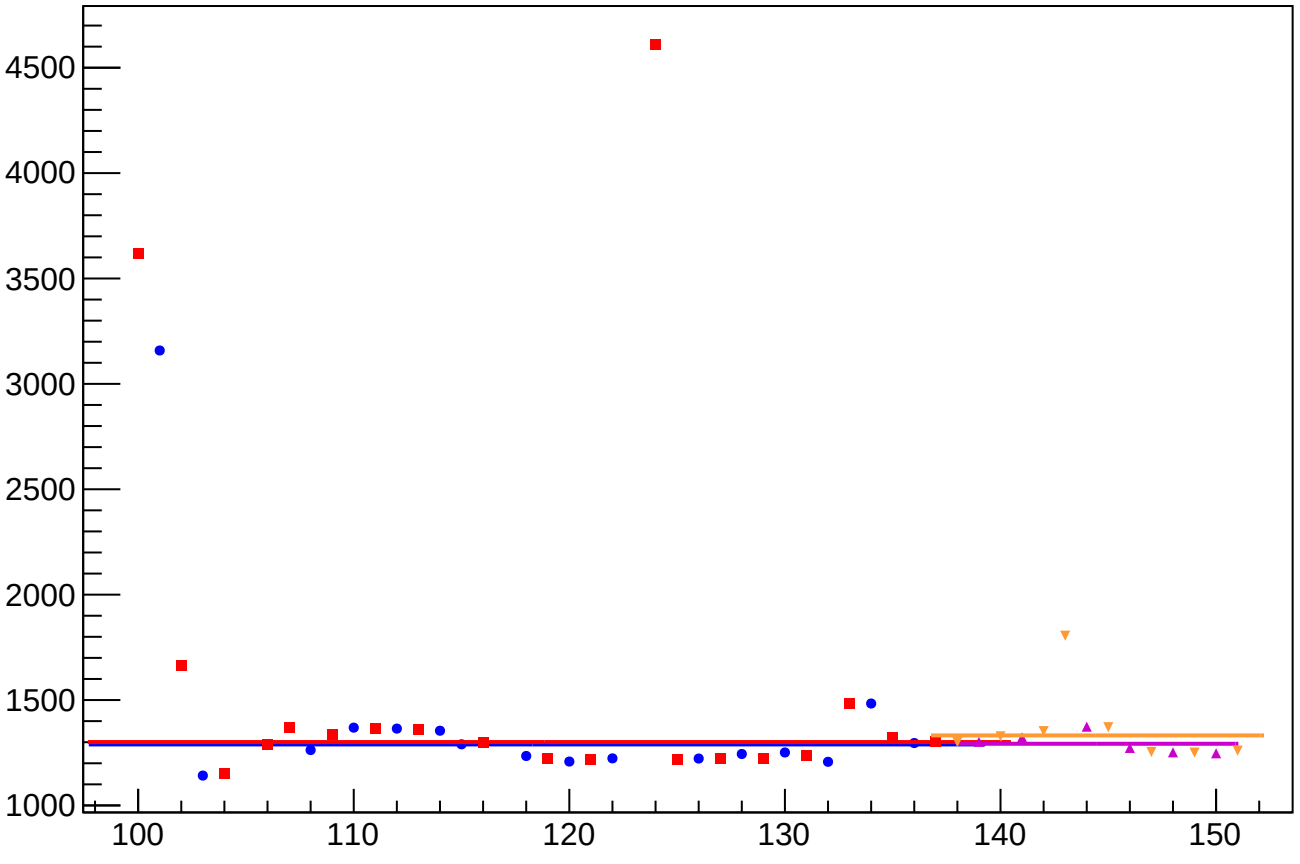
Left: 131.682+/-388.985 χ^2/NDF: 11.6/13

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -582.550+/-369.106 χ^2/NDF:16.7/21

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -129.122+/-258.247 χ^2/NDF: 43.3/48



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

Left: 1313.284+/-0.275 χ^2/NDF: 150761.8/13

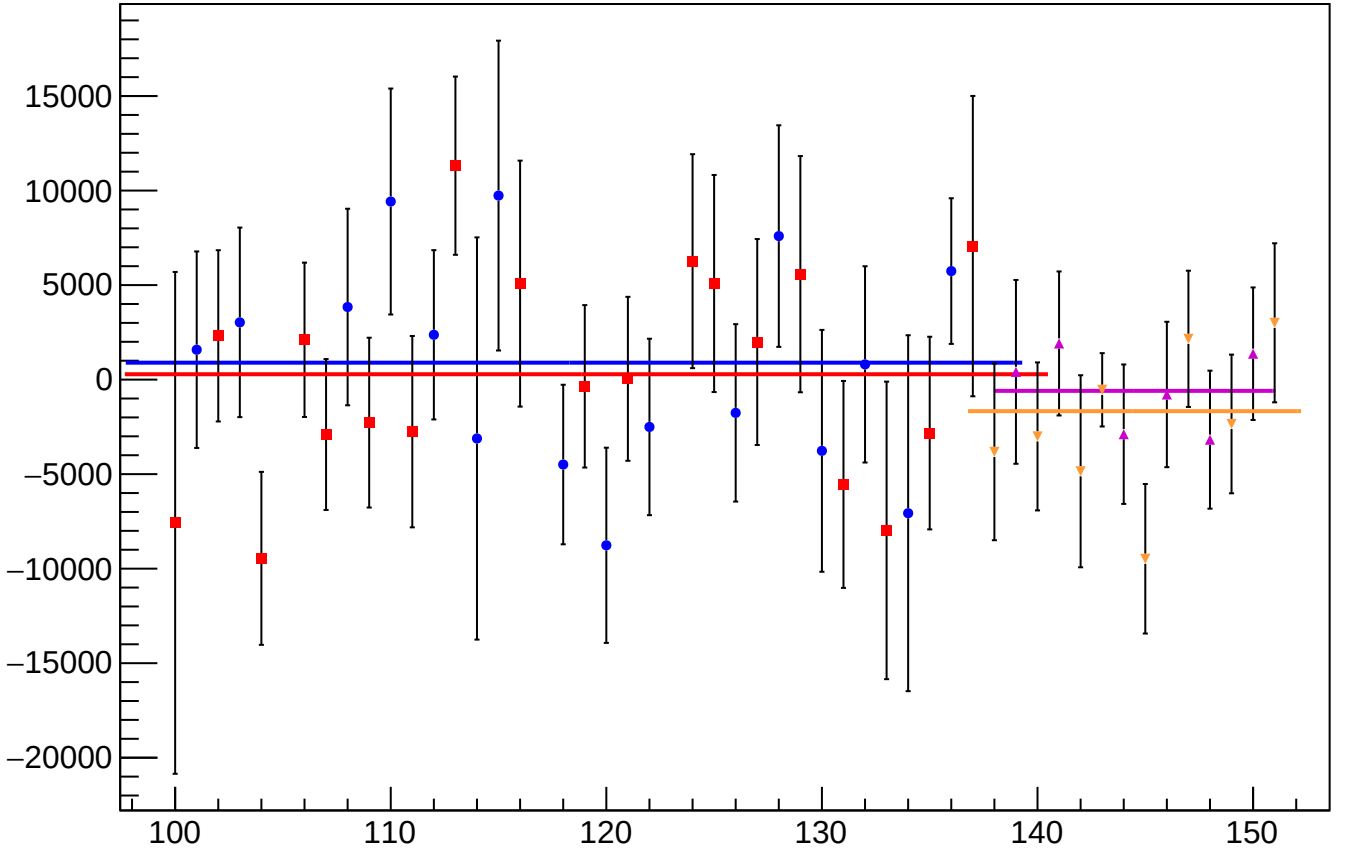
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.793+/-0.261 χ^2/NDF:526540.5/21

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48

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: -1668.503+/-1206.136 χ^2/NDF:7.4/7

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -595.101+/-1563.934 χ^2/NDF:1.7/5

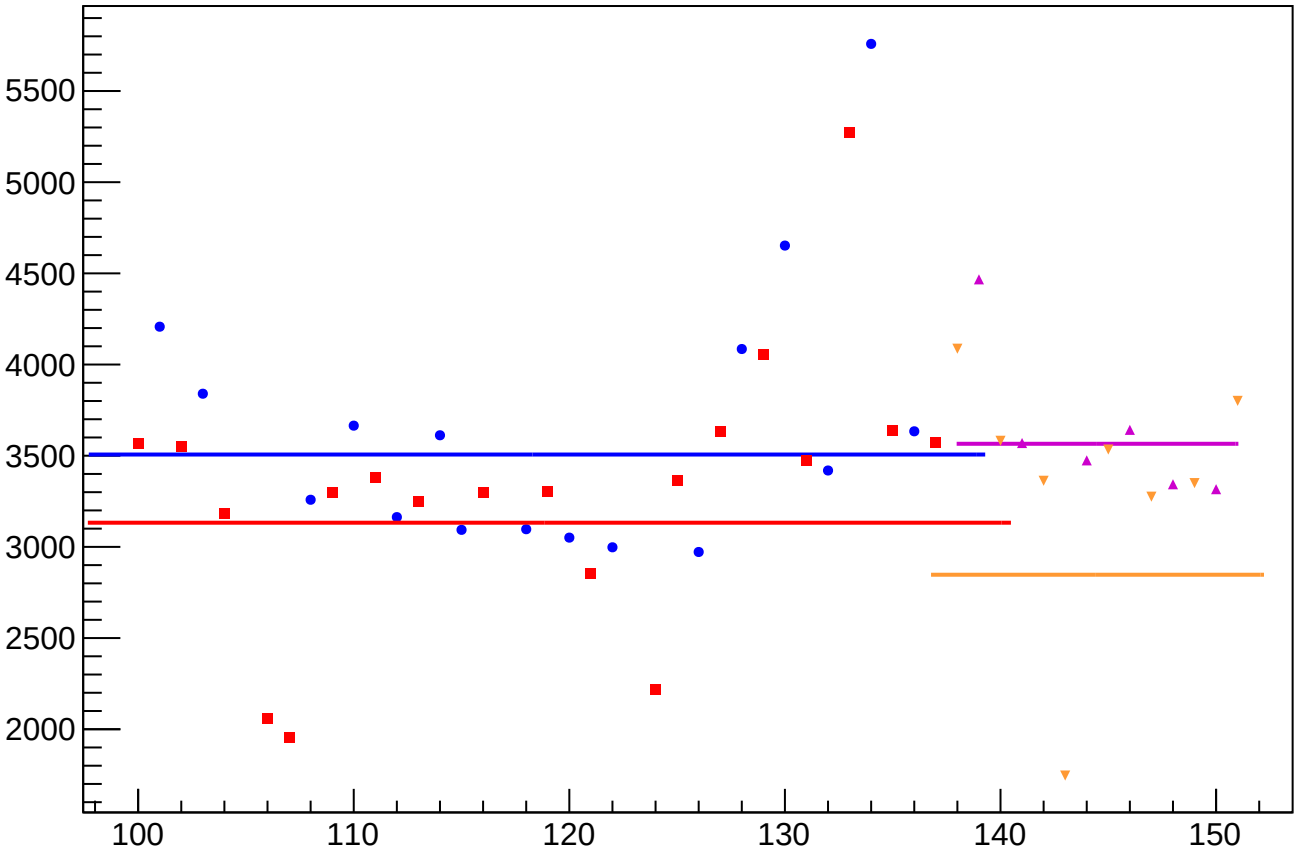
Left: -1268.174+/-955.094 χ^2/NDF: 9.3/13

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 273.042+/-1010.875 χ^2/NDF:16.3/21

Out: -673.506+/-844.631 χ^2/NDF:27.3/26

All: -284.363+/-648.158 χ^2/NDF: 44.1/48



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

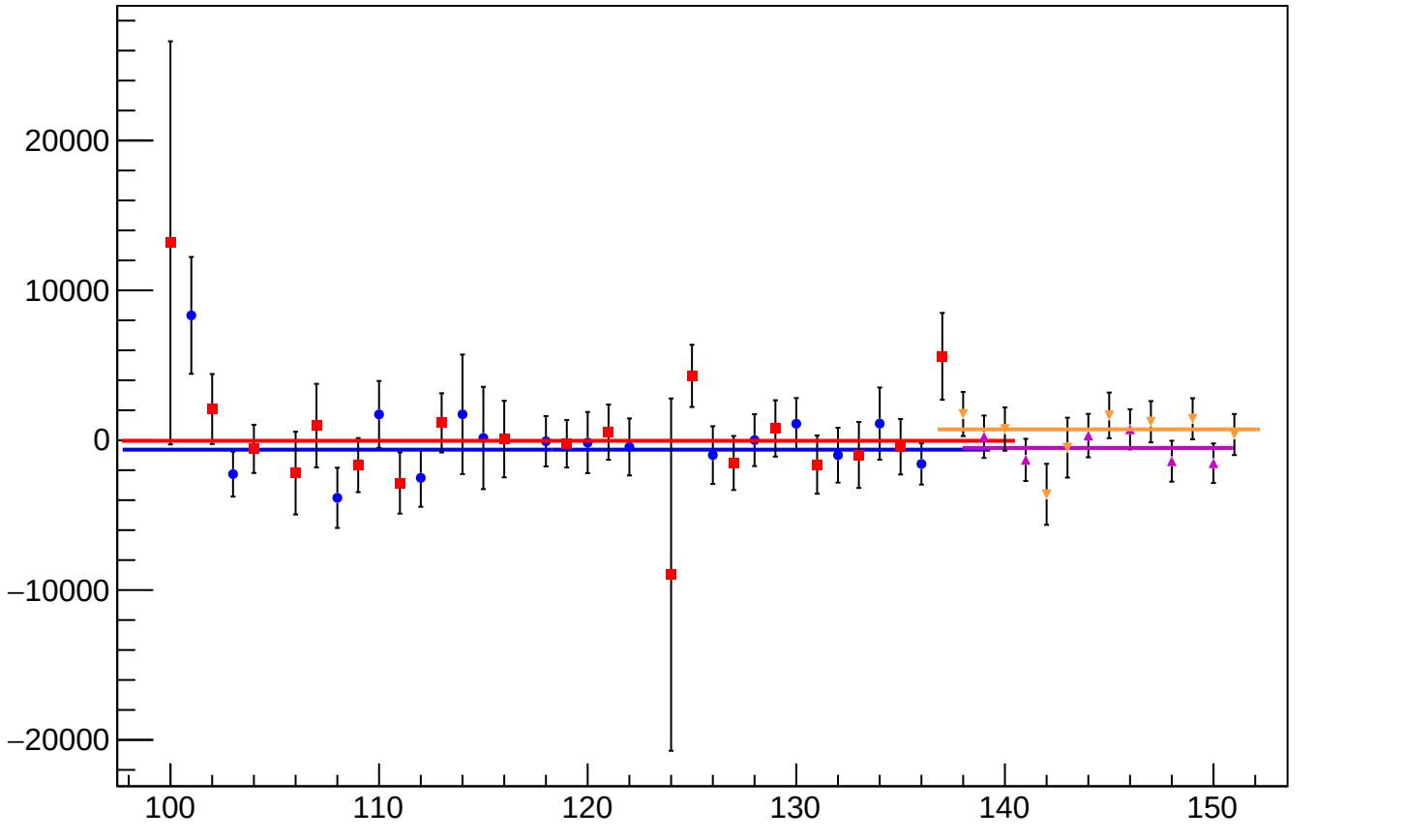
Left: 3115.127+/-0.675 χ^2/NDF: 1457905.8/13

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3531.108+/-0.715 χ^2/NDF:443186.4/21

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -517.618+/-563.232 χ^2/NDF:2.8/5

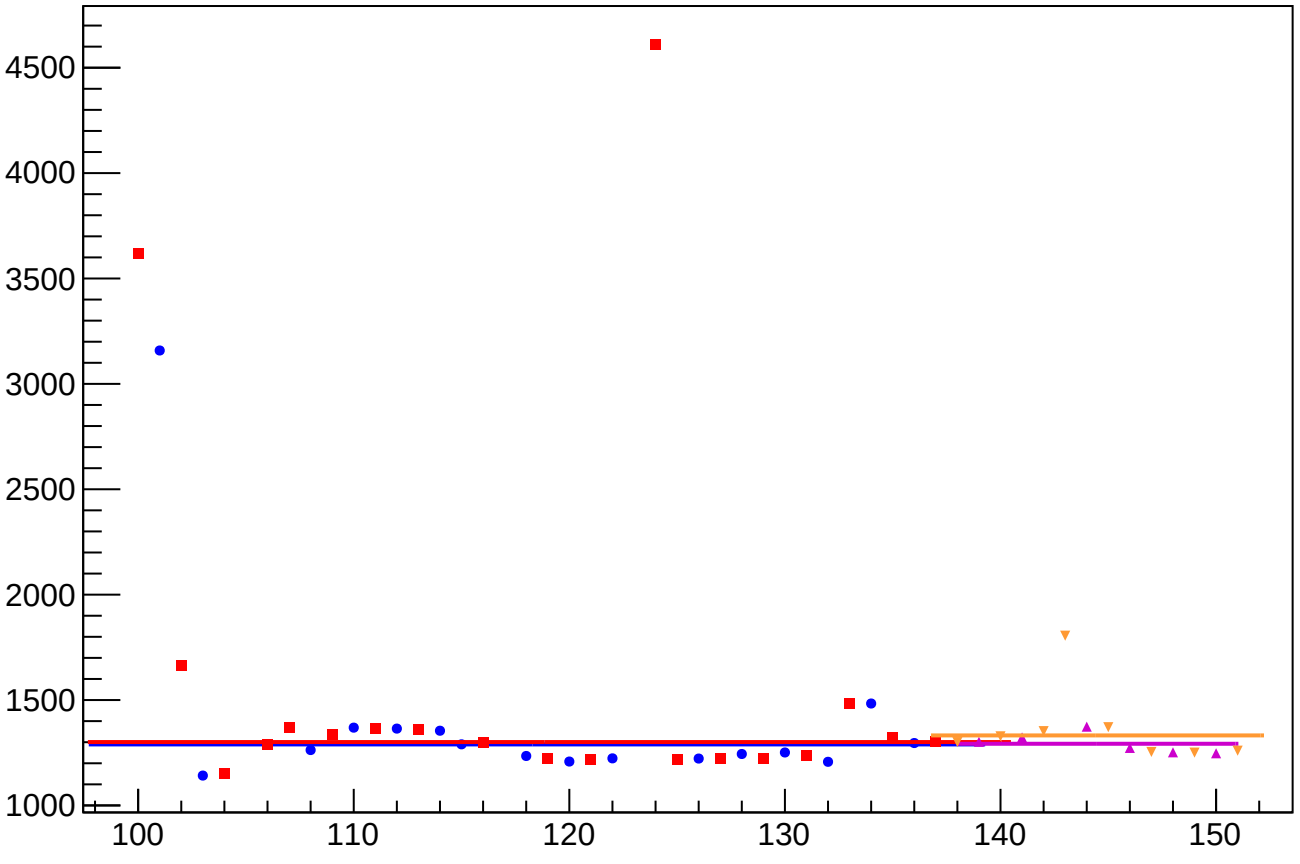
Left: 131.682+/-388.985 χ^2/NDF: 11.6/13

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -582.550+/-369.106 χ^2/NDF:16.7/21

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -129.122+/-258.247 χ^2/NDF: 43.3/48



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

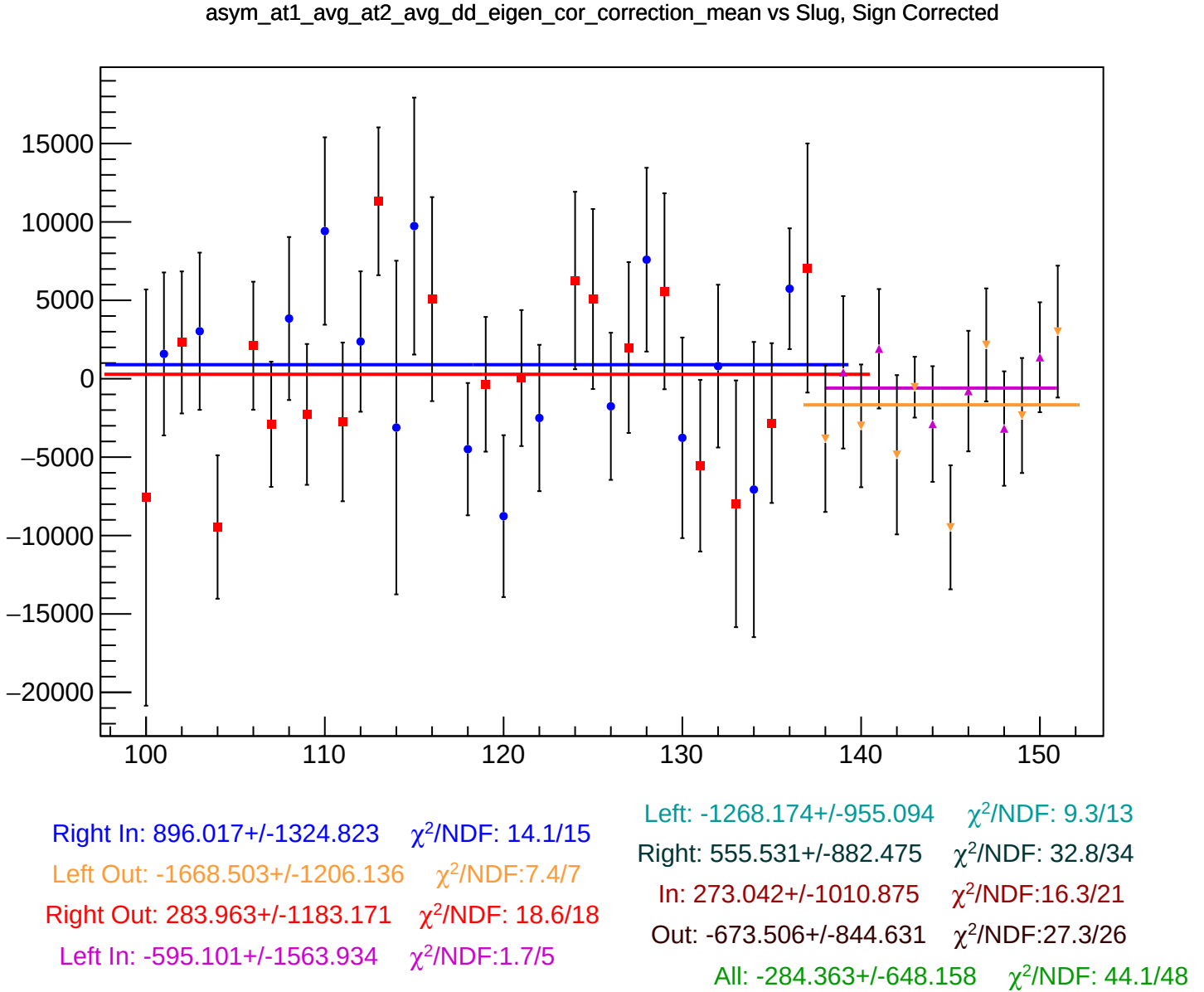
Left: 1313.284+/-0.275 χ^2/NDF: 150761.8/13

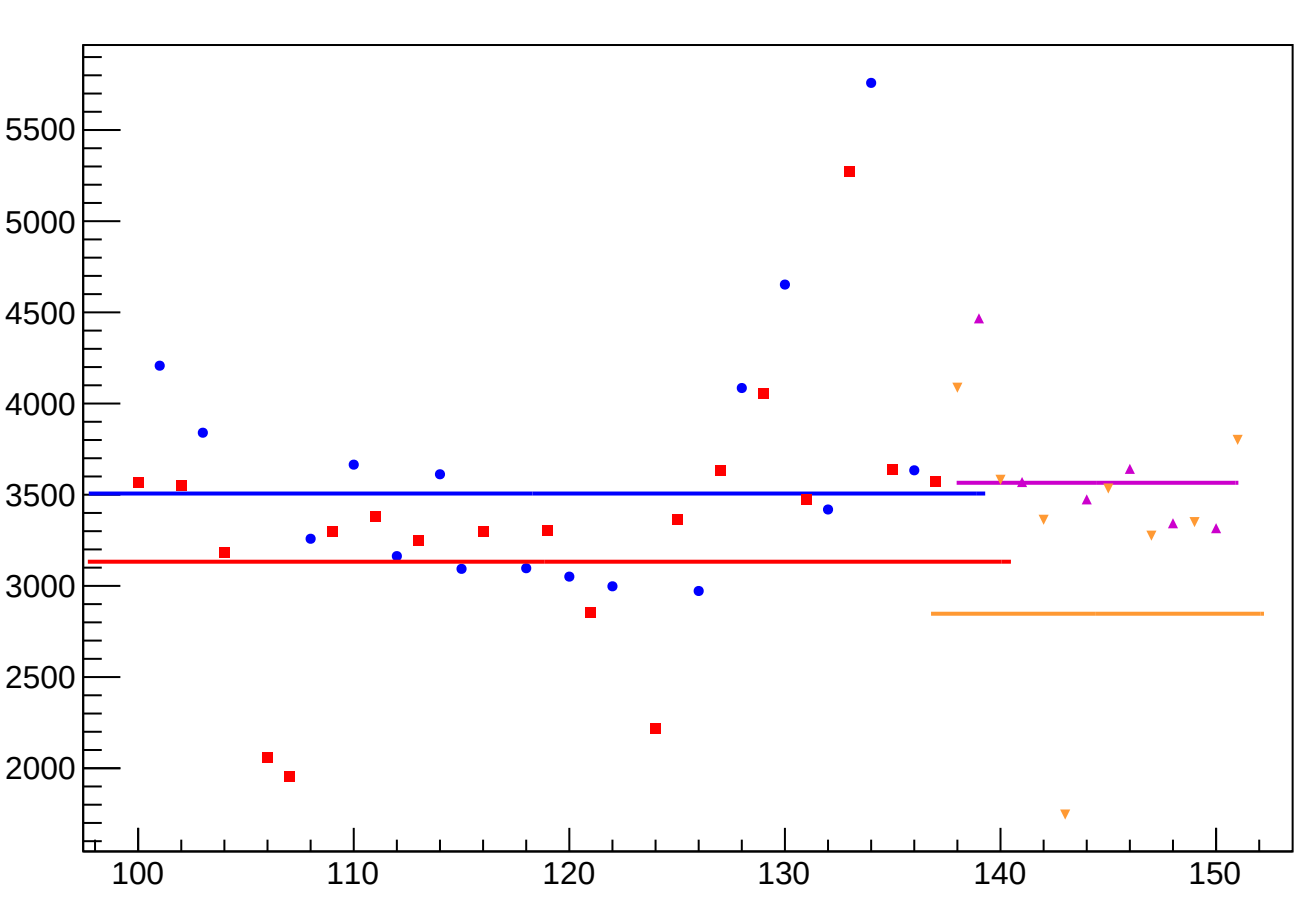
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.793+/-0.261 χ^2/NDF:526540.5/21

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1668.503+/-1206.136 χ²/NDF:7.4/7
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -595.101+/-1563.934 χ²/NDF:1.7/5
Left: -1268.174+/-955.094 χ²/NDF: 9.3/13
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 273.042+/-1010.875 χ²/NDF:16.3/21
Out: -673.506+/-844.631 χ²/NDF:27.3/26
All: -284.363+/-648.158 χ²/NDF: 44.1/48



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

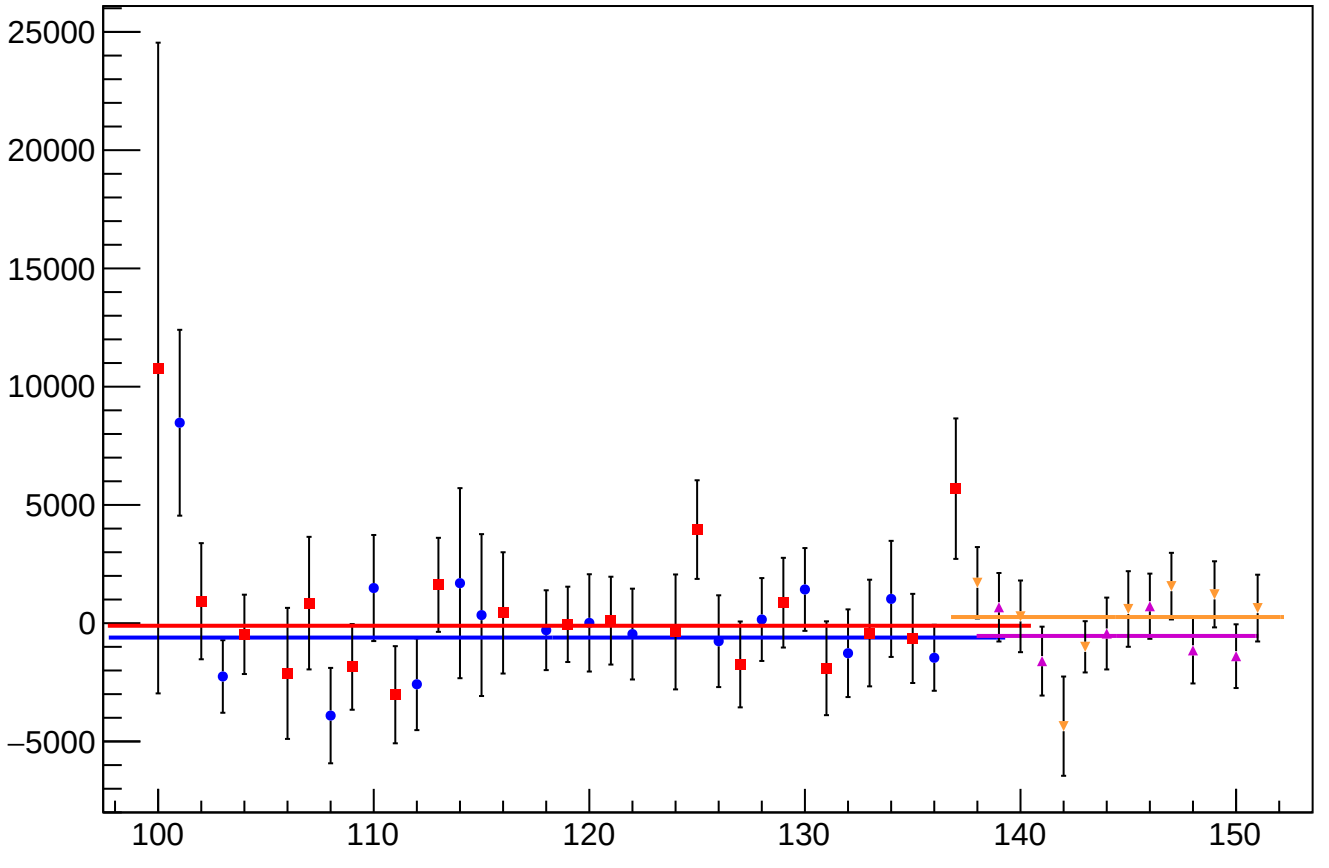
Left: 3115.127+/-0.675 χ^2/NDF: 1457905.8/13

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3531.108+/-0.715 χ^2/NDF:443186.4/21

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.523+/-508.892 χ^2/NDF:8.6/7

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -539.145+/-580.335 χ^2/NDF:2.7/5

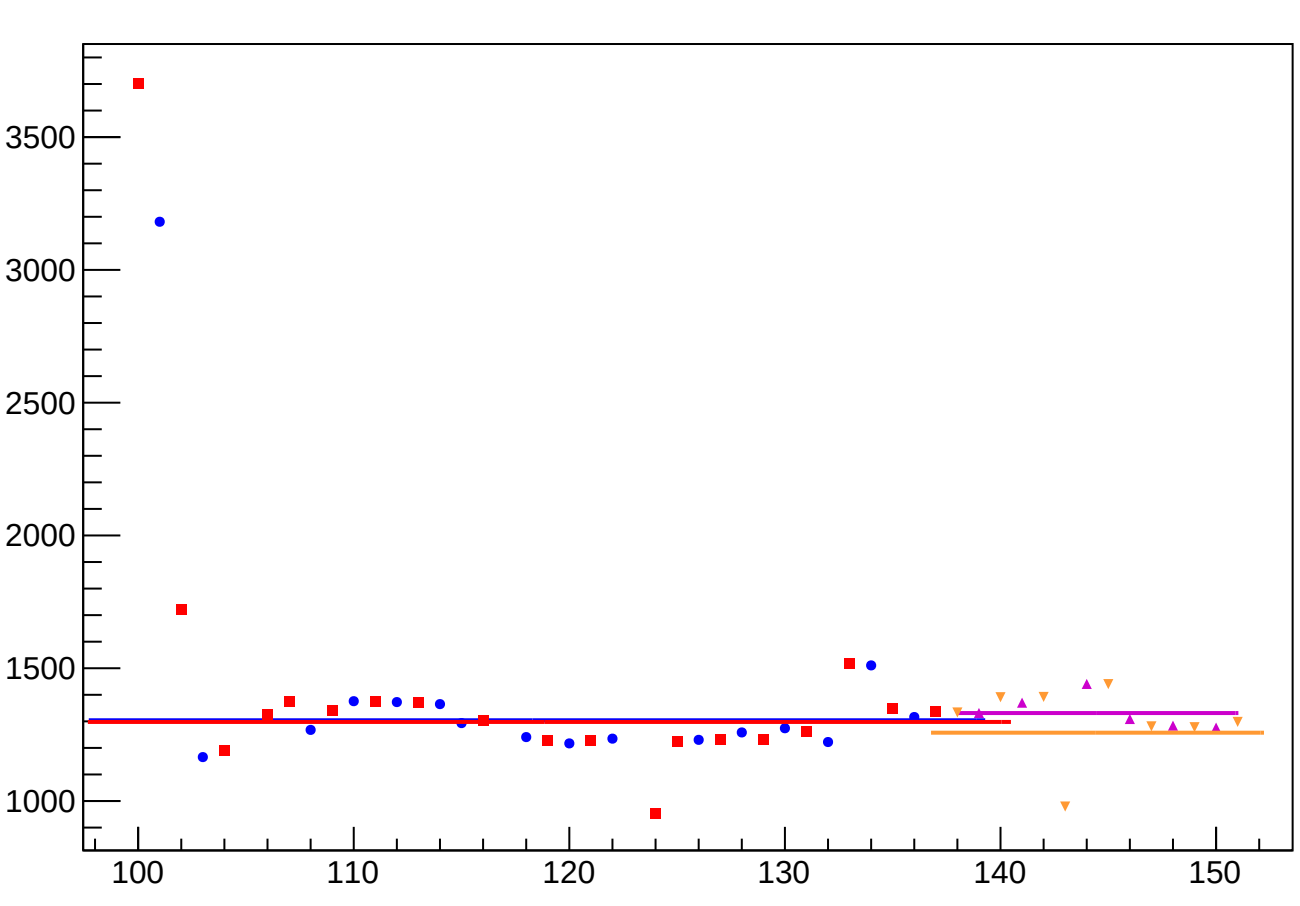
Left: -87.084+/-382.621 χ^2/NDF: 12.3/13

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -578.960+/-376.249 χ^2/NDF:16.8/21

Out: 67.296+/-351.299 χ^2/NDF:23.7/26

All: -233.695+/-256.774 χ^2/NDF: 42.1/48



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1257.332+/-0.360 χ^2/NDF:189333.3/7

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1331.283+/-0.410 χ^2/NDF:18010.4/5

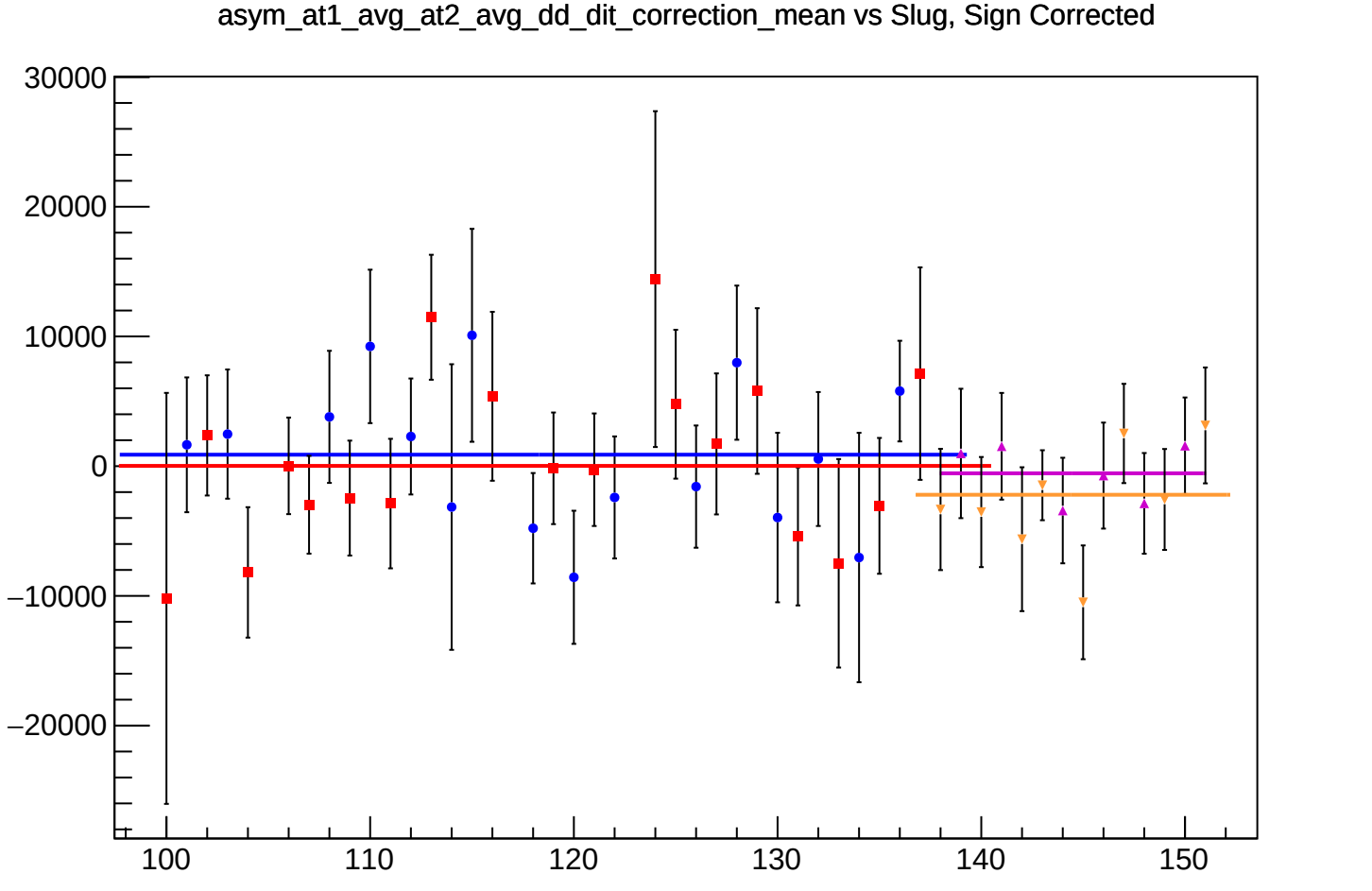
Left: 1289.478+/-0.271 χ^2/NDF: 225702.4/13

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

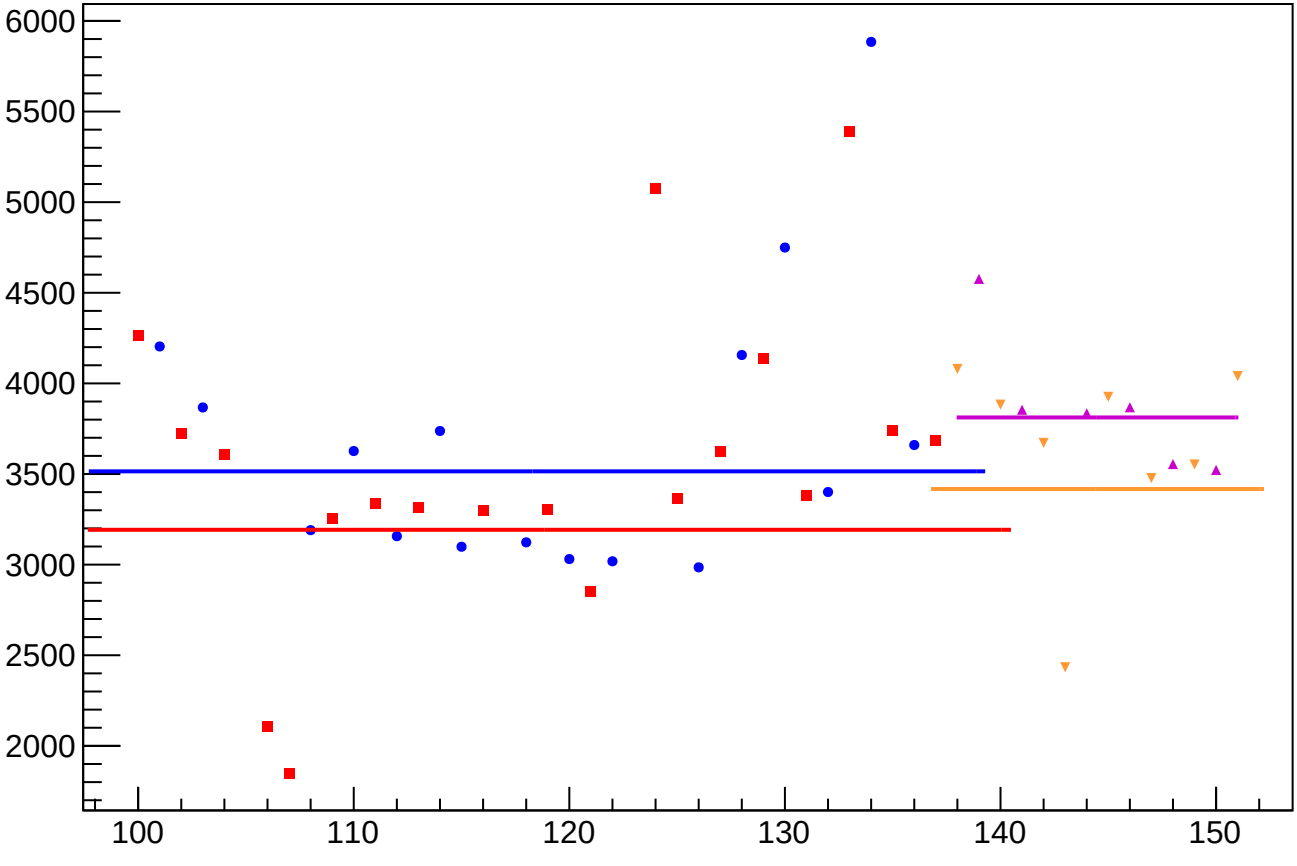
In: 1315.527+/-0.266 χ^2/NDF:531142.9/21

Out: 1278.528+/-0.248 χ^2/NDF:409053.9/26

All: 1295.753+/-0.182 χ^2/NDF: 950533.0/48


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -2205.955+/-1403.445 χ²/NDF:7.2/7
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -550.568+/-1670.988 χ²/NDF:1.5/5
Left: -1521.234+/-1074.683 χ²/NDF: 9.3/13
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 329.010+/-1039.368 χ²/NDF:16.1/21
Out: -919.707+/-912.062 χ²/NDF:25.4/26
All: -376.466+/-685.541 χ²/NDF: 42.3/48

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: 3417.290+/-0.992 χ^2/NDF:402928.5/7

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3812.116+/-1.182 χ^2/NDF:68525.5/5

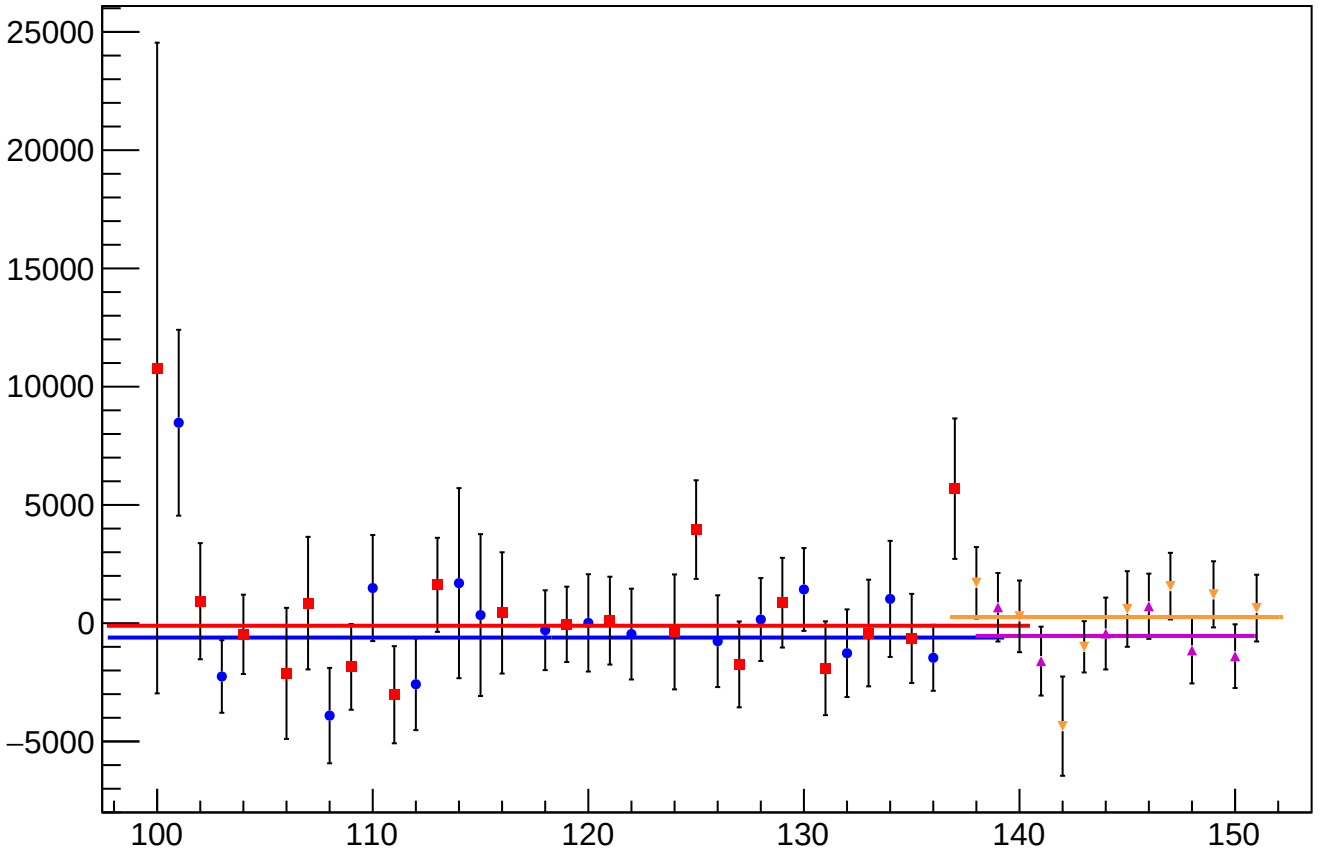
Left: 3580.603+/-0.760 χ^2/NDF: 536927.3/13

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3629.796+/-0.735 χ^2/NDF:482438.4/21

Out: 3287.266+/-0.645 χ^2/NDF:1205141.9/26

All: 3436.280+/-0.485 χ^2/NDF: 1810298.4/48



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.521+/-508.892 χ^2/NDF:8.6/7

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -539.145+/-580.336 χ^2/NDF:2.7/5

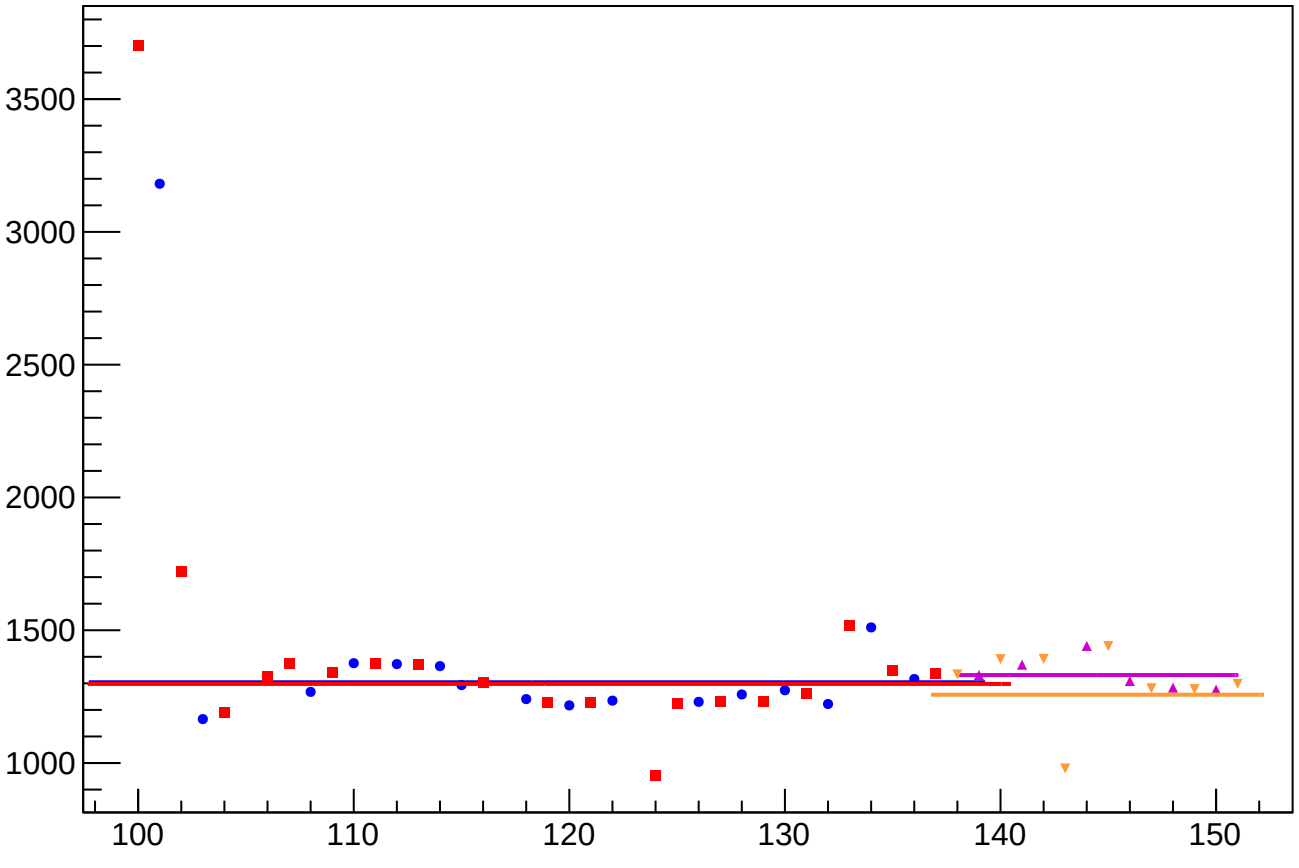
Left: -87.086+/-382.621 χ^2/NDF: 12.3/13

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

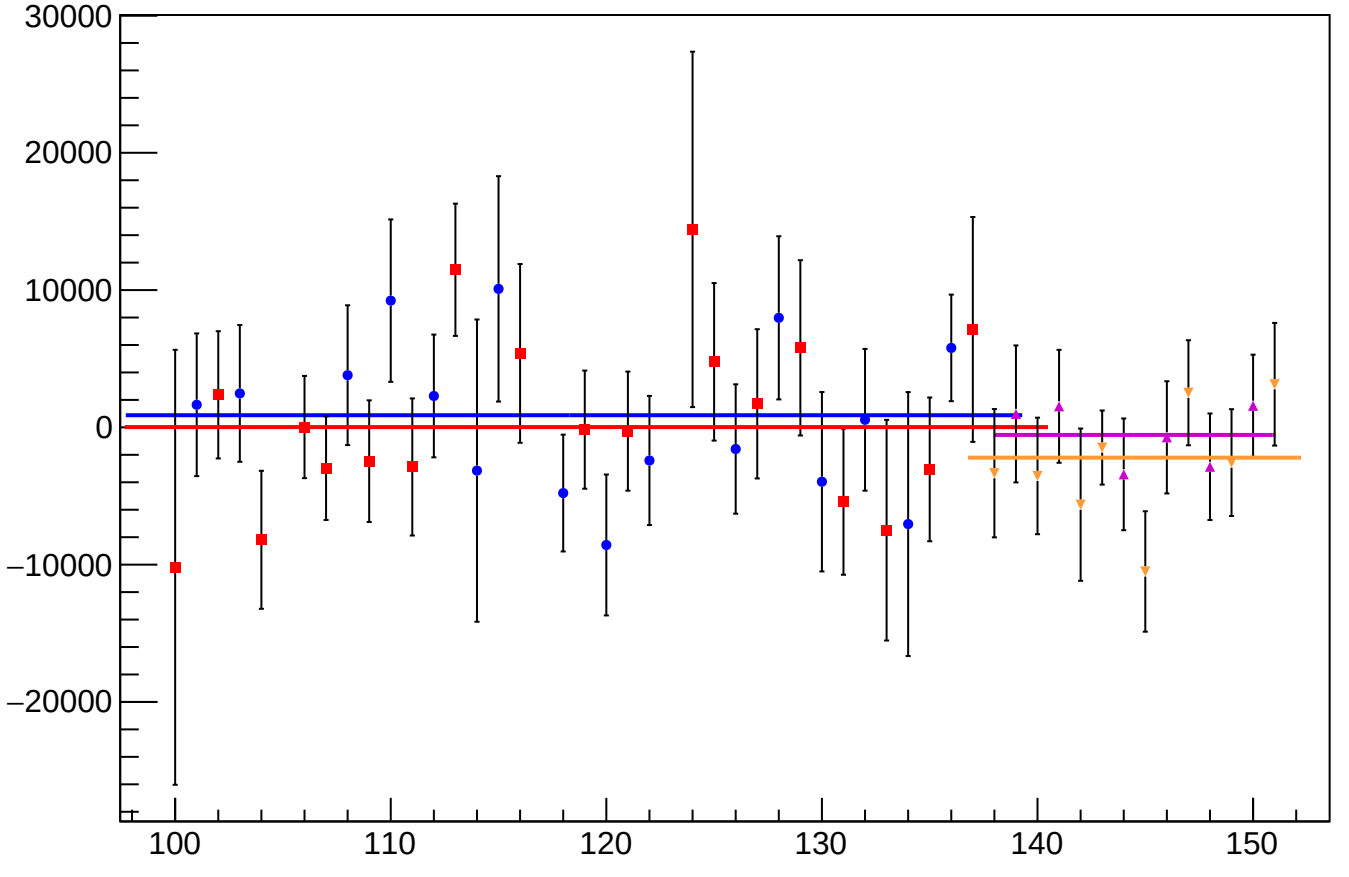
In: -578.962+/-376.250 χ^2/NDF:16.8/21

Out: 67.292+/-351.299 χ^2/NDF:23.7/26

All: -233.698+/-256.774 χ^2/NDF: 42.1/48


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1304.102+/-0.349 χ²/NDF: 510589.6/15
Left Out: 1257.333+/-0.360 χ²/NDF:189333.5/7
Right Out: 1297.796+/-0.343 χ²/NDF: 213097.0/18
Left In: 1331.284+/-0.410 χ²/NDF:18010.5/5
Left: 1289.479+/-0.271 χ²/NDF: 225702.7/13
Right: 1300.891+/-0.245 χ²/NDF: 723852.4/34
In: 1315.528+/-0.266 χ²/NDF:531143.4/21
Out: 1278.529+/-0.248 χ²/NDF:409053.9/26
All: 1295.754+/-0.182 χ²/NDF: 950533.4/48

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: -2205.954+/-1403.447 χ^2/NDF:7.2/7

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -550.566+/-1670.990 χ^2/NDF:1.5/5

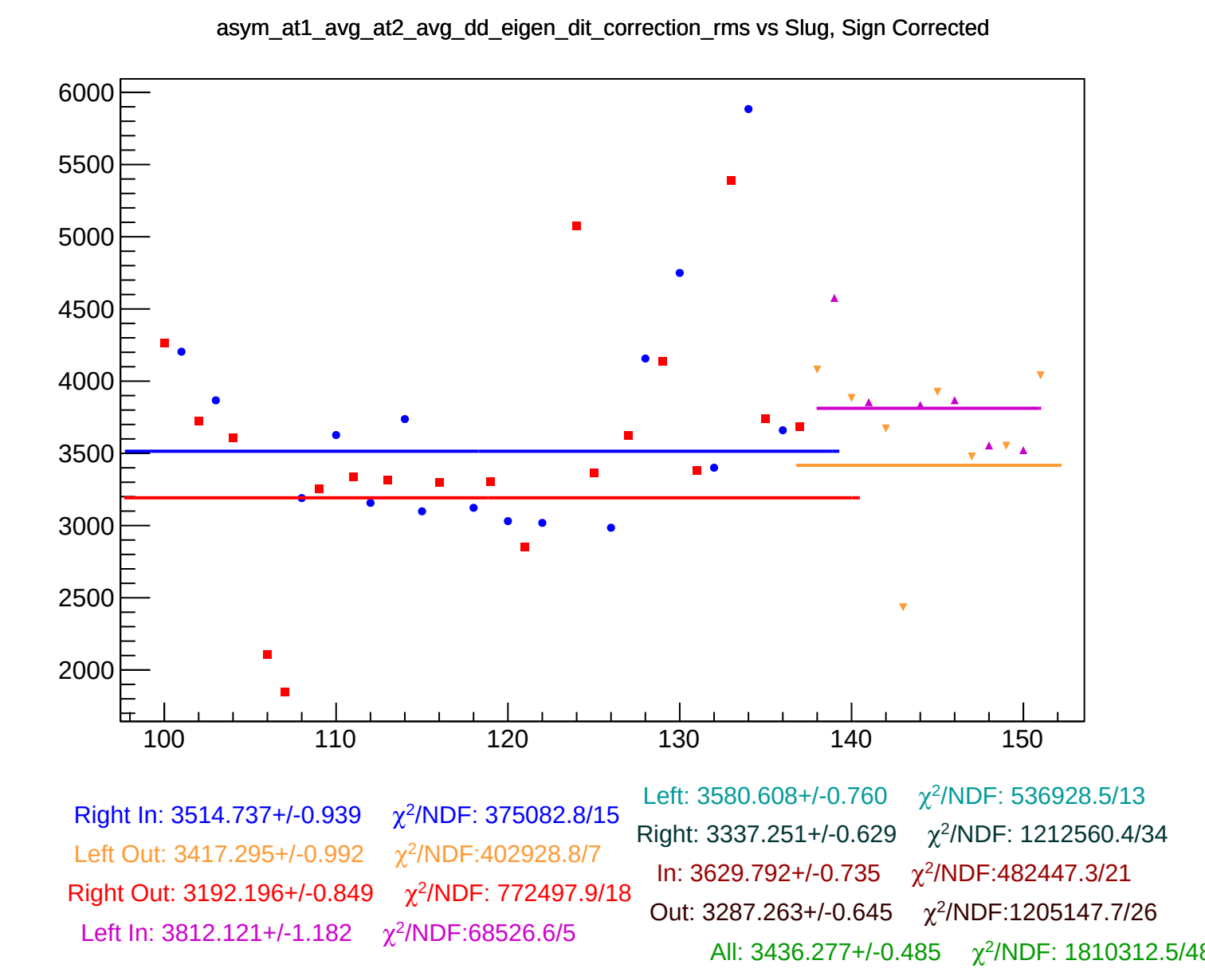
Left: -1521.232+/-1074.685 χ^2/NDF: 9.3/13

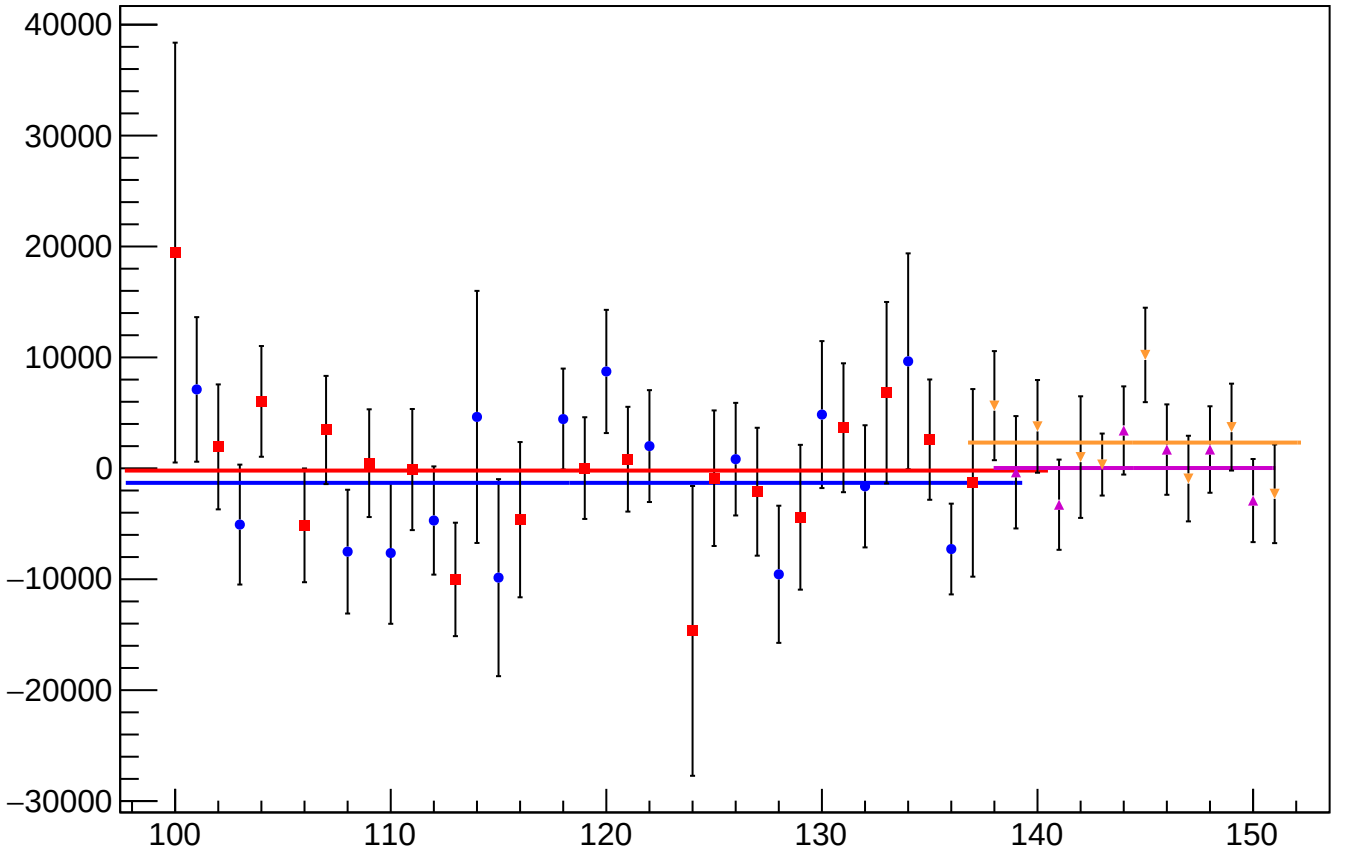
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 329.006+/-1039.367 χ^2/NDF:16.1/21

Out: -919.705+/-912.061 χ^2/NDF:25.4/26

All: -376.466+/-685.541 χ^2/NDF: 42.3/48


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3417.295+/-0.992 χ²/NDF:402928.8/7
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 3812.121+/-1.182 χ²/NDF:68526.6/5
Left: 3580.608+/-0.760 χ²/NDF: 536928.5/13
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3629.792+/-0.735 χ²/NDF:482447.3/21
Out: 3287.263+/-0.645 χ²/NDF:1205147.7/26
All: 3436.277+/-0.485 χ²/NDF: 1810312.5/48



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2321.366+/-1417.221 χ^2/NDF:6.5/7

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 27.820+/-1666.900 χ^2/NDF:2.4/5

Left: 1359.061+/-1079.723 χ^2/NDF: 9.9/13

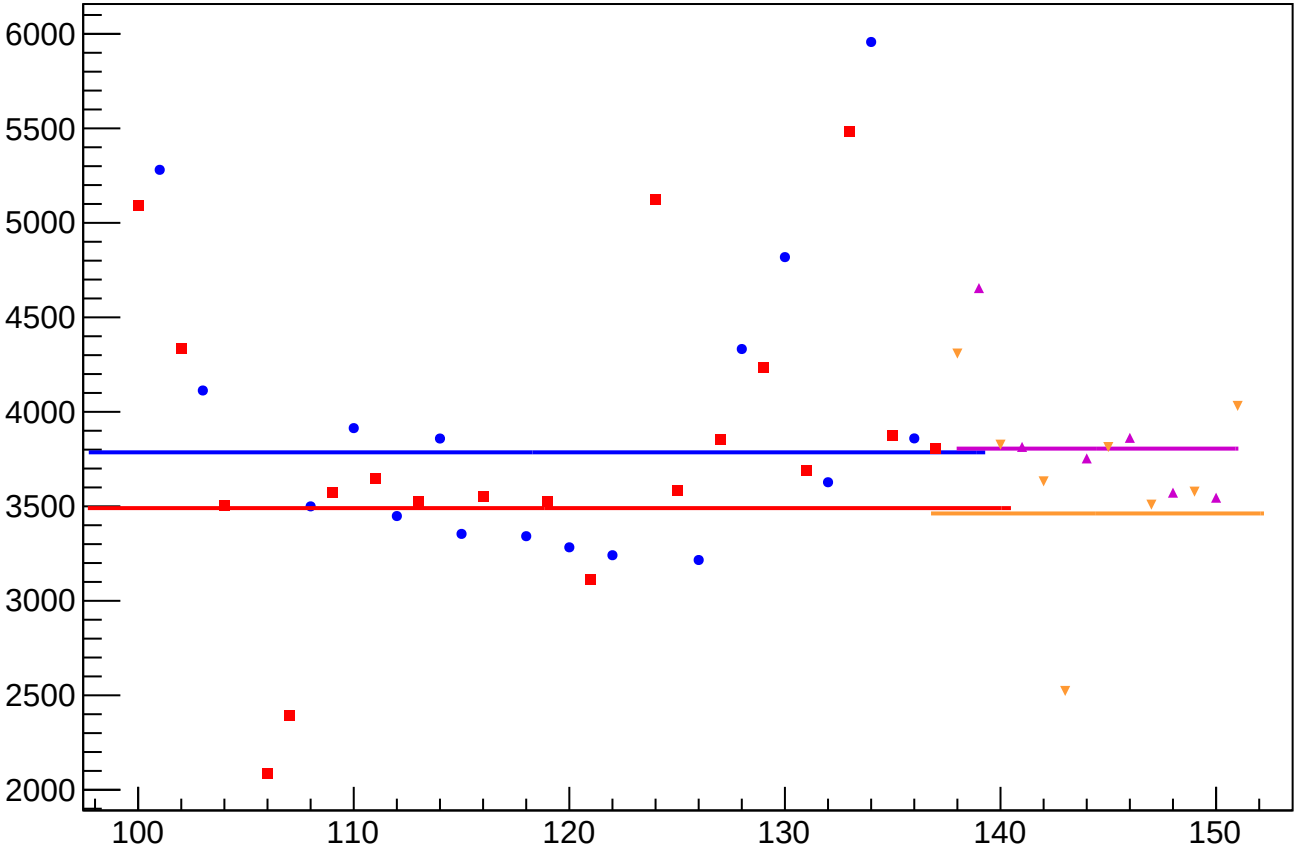
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -741.716+/-1086.051 χ^2/NDF:20.3/21

Out: 985.581+/-972.165 χ^2/NDF:19.8/26

All: 217.217+/-724.353 χ^2/NDF: 41.5/48

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: 3462.341+/-1.002 χ^2/NDF:350486.3/7

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3805.447+/-1.179 χ^2/NDF:73749.7/5

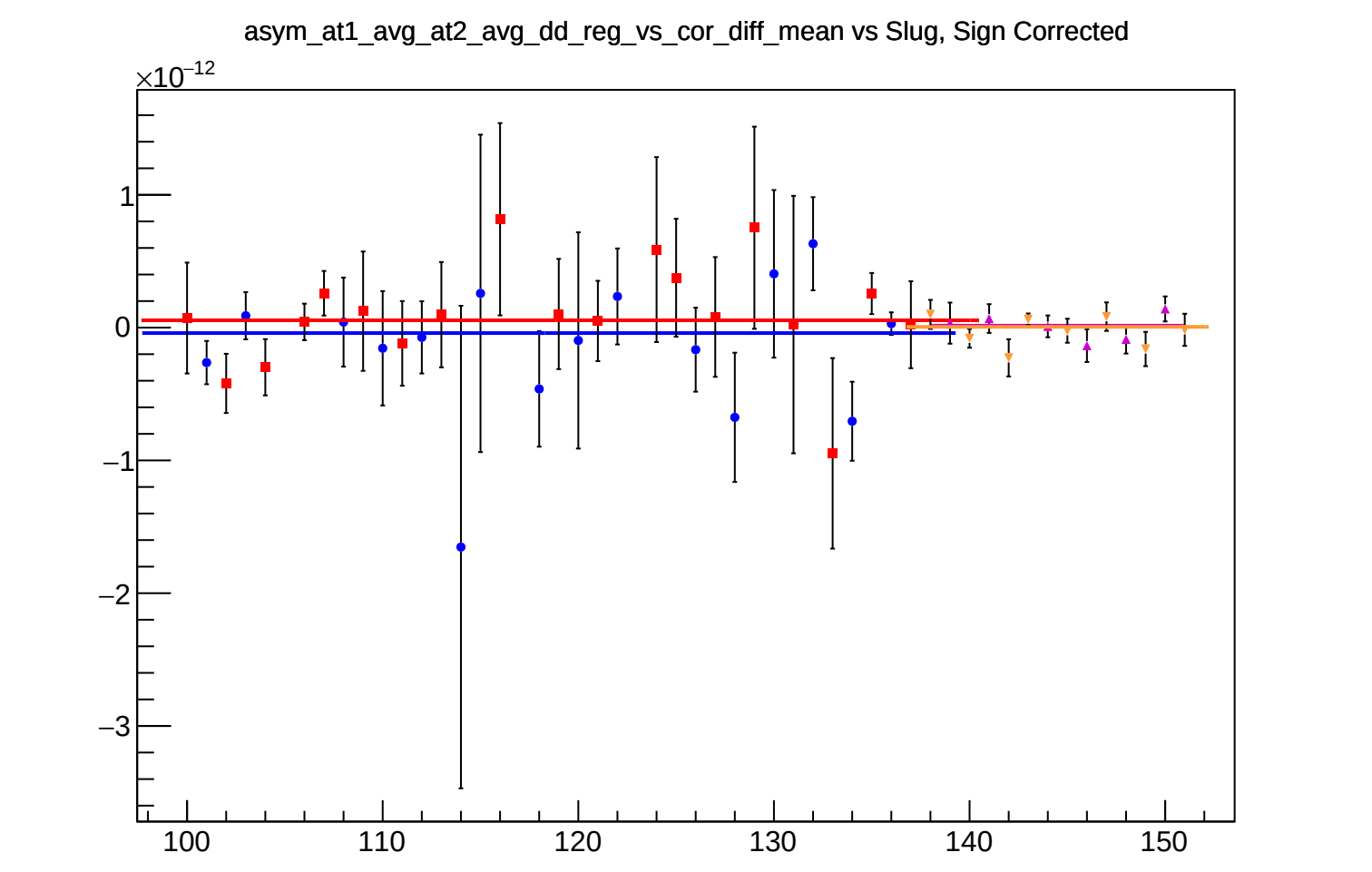
Left: 3606.298+/-0.763 χ^2/NDF: 473419.1/13

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3794.125+/-0.768 χ^2/NDF:456902.9/21

Out: 3477.503+/-0.682 χ^2/NDF:937628.2/26

All: 3617.206+/-0.510 χ^2/NDF: 1489514.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/5

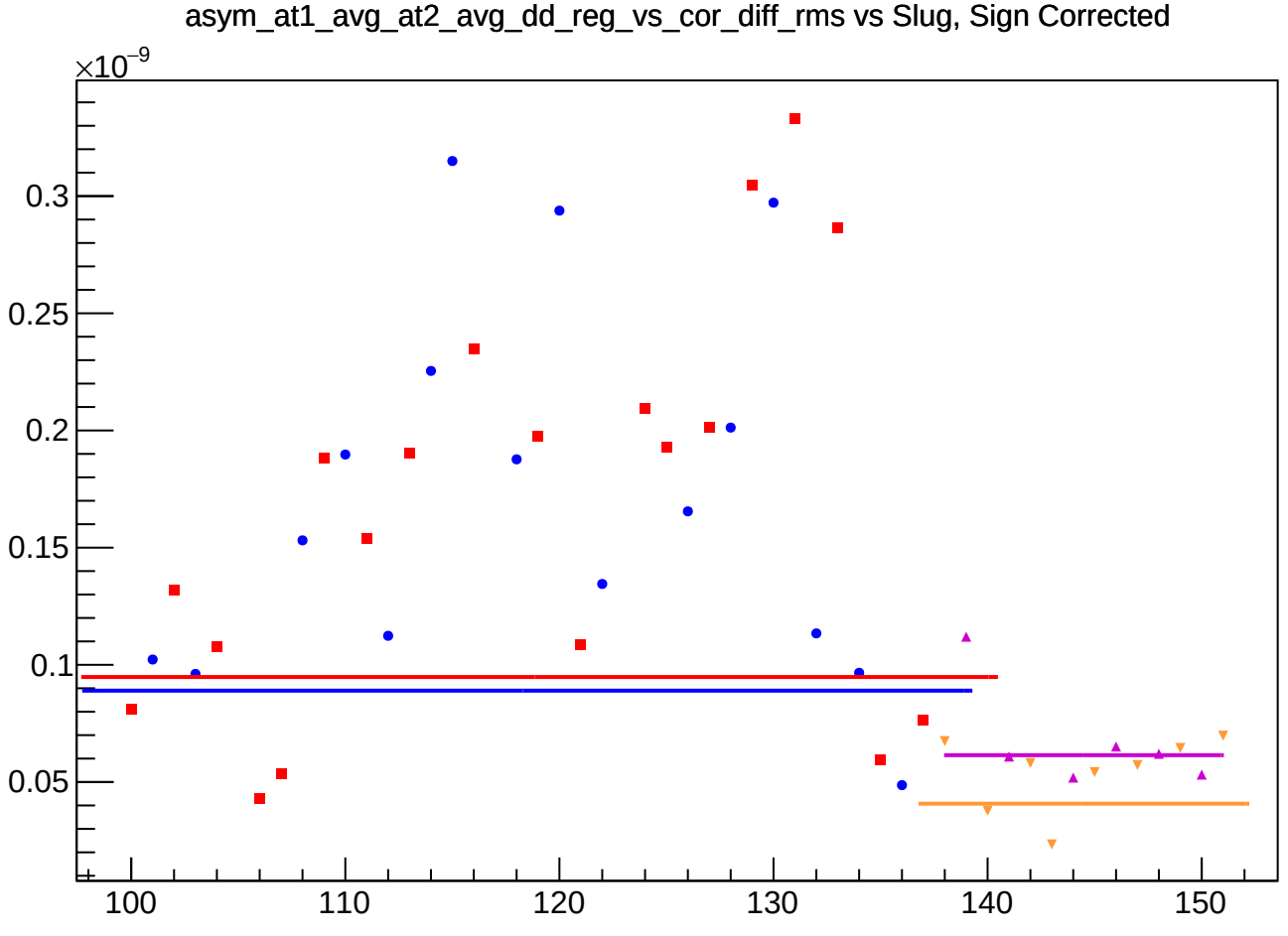
Left: 0.000+/-0.000 χ^2/NDF: 13.5/13

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:21.7/21

Out: 0.000+/-0.000 χ^2/NDF:25.4/26

All: 0.000+/-0.000 χ^2/NDF: 47.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:740129.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:257986.9/5

Left: 0.000+/-0.000 χ^2/NDF: 1316729.3/13

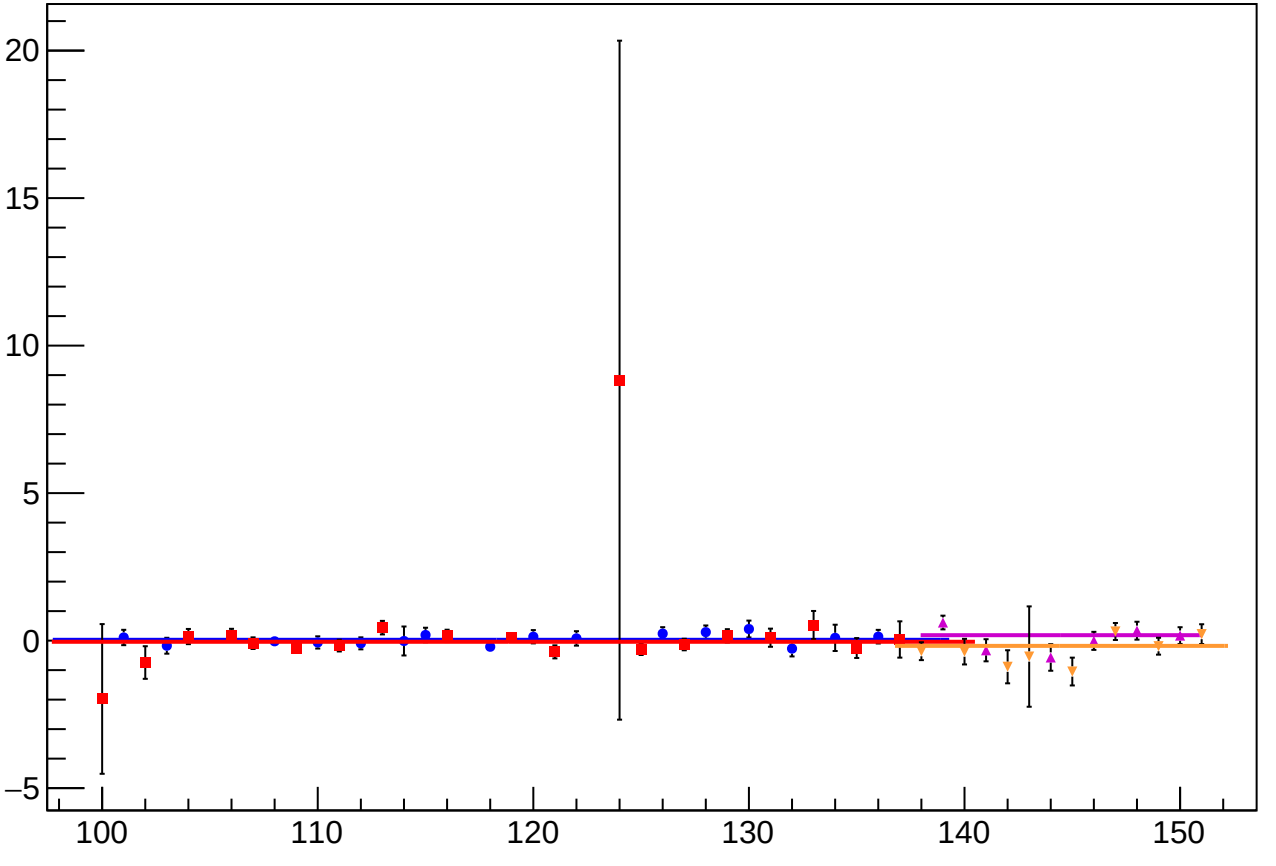
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2003084.3/21

Out: 0.000+/-0.000 χ^2/NDF:3659125.2/26

All: 0.000+/-0.000 χ^2/NDF: 6126519.3/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

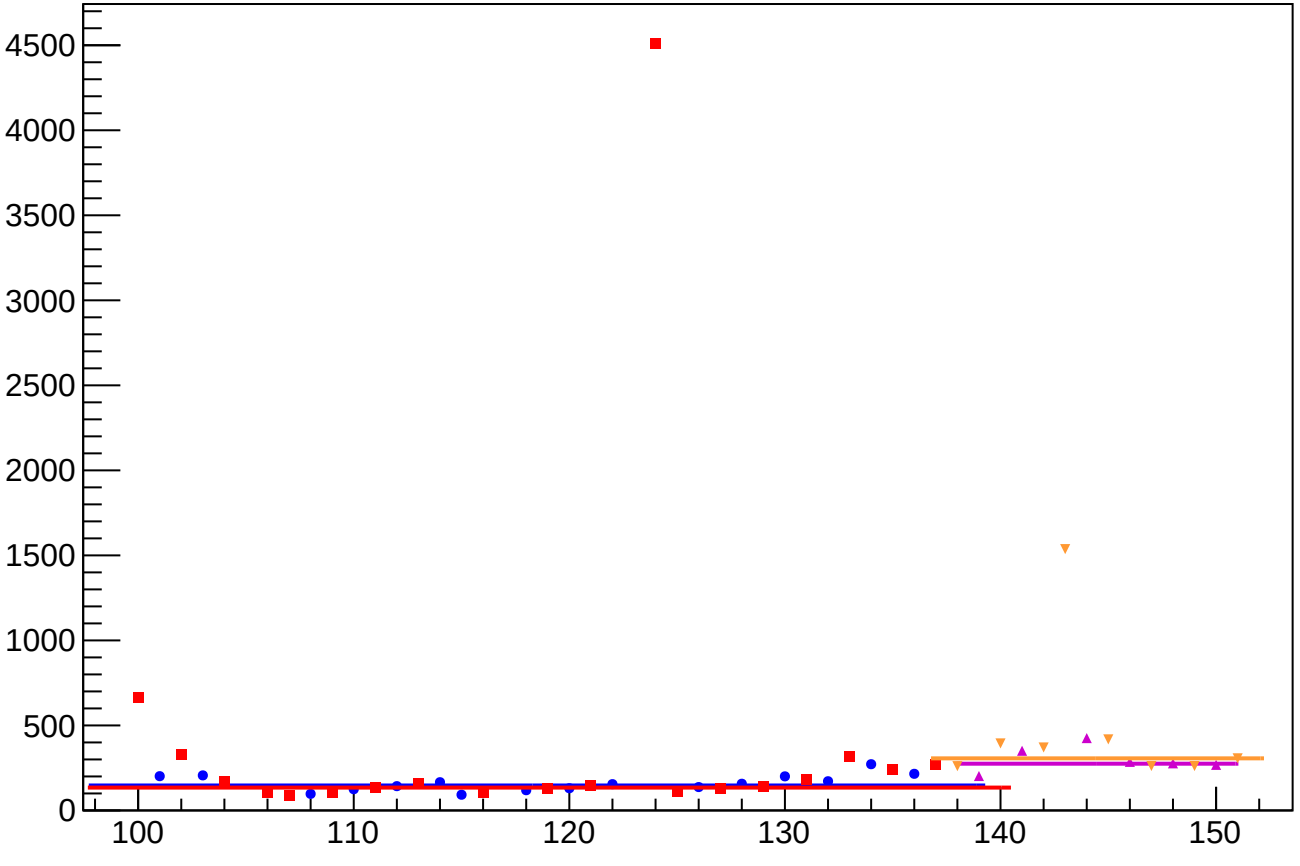
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.407+/-0.093 χ^2/NDF:1411618.5/7

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

Left: 289.795+/-0.064 χ^2/NDF: 1975112.6/13

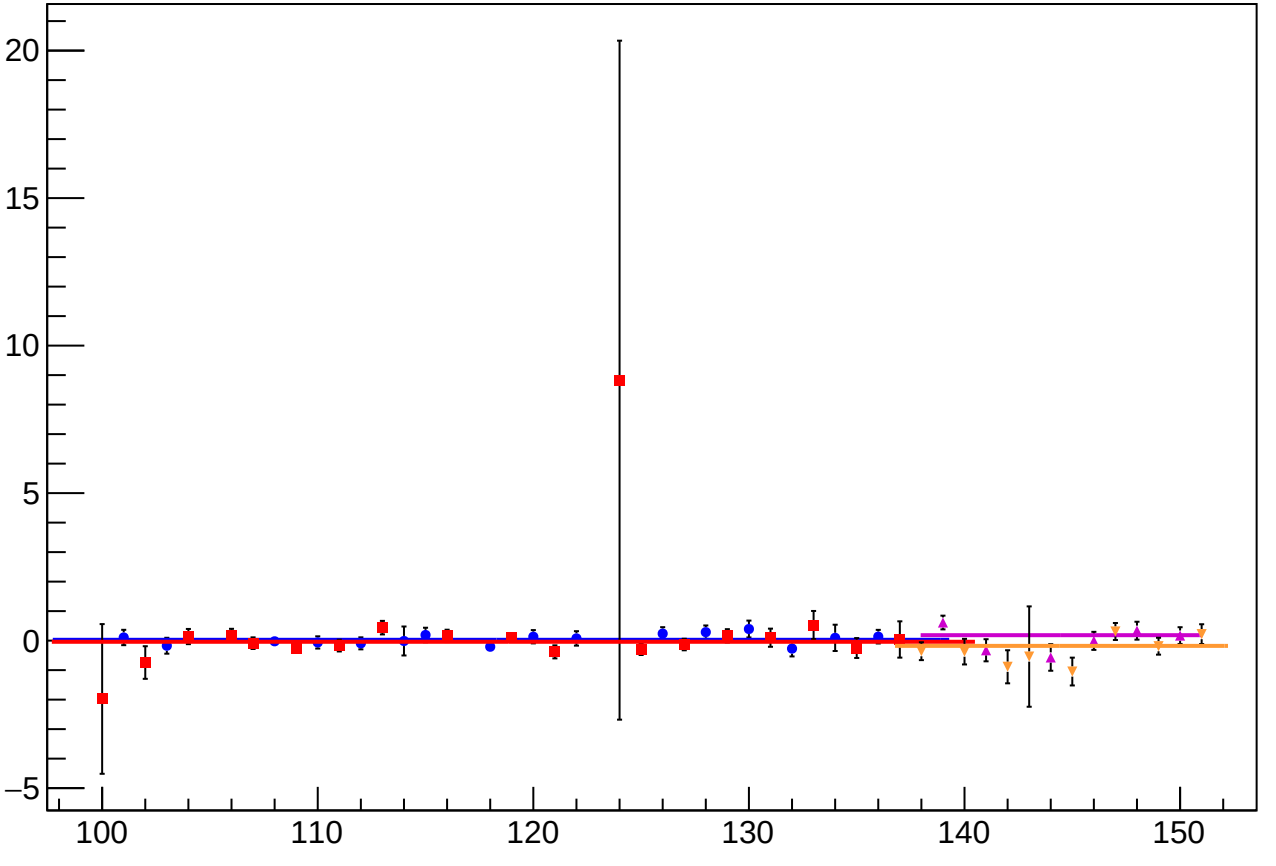
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 169.486+/-0.037 χ^2/NDF:3246465.4/21

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

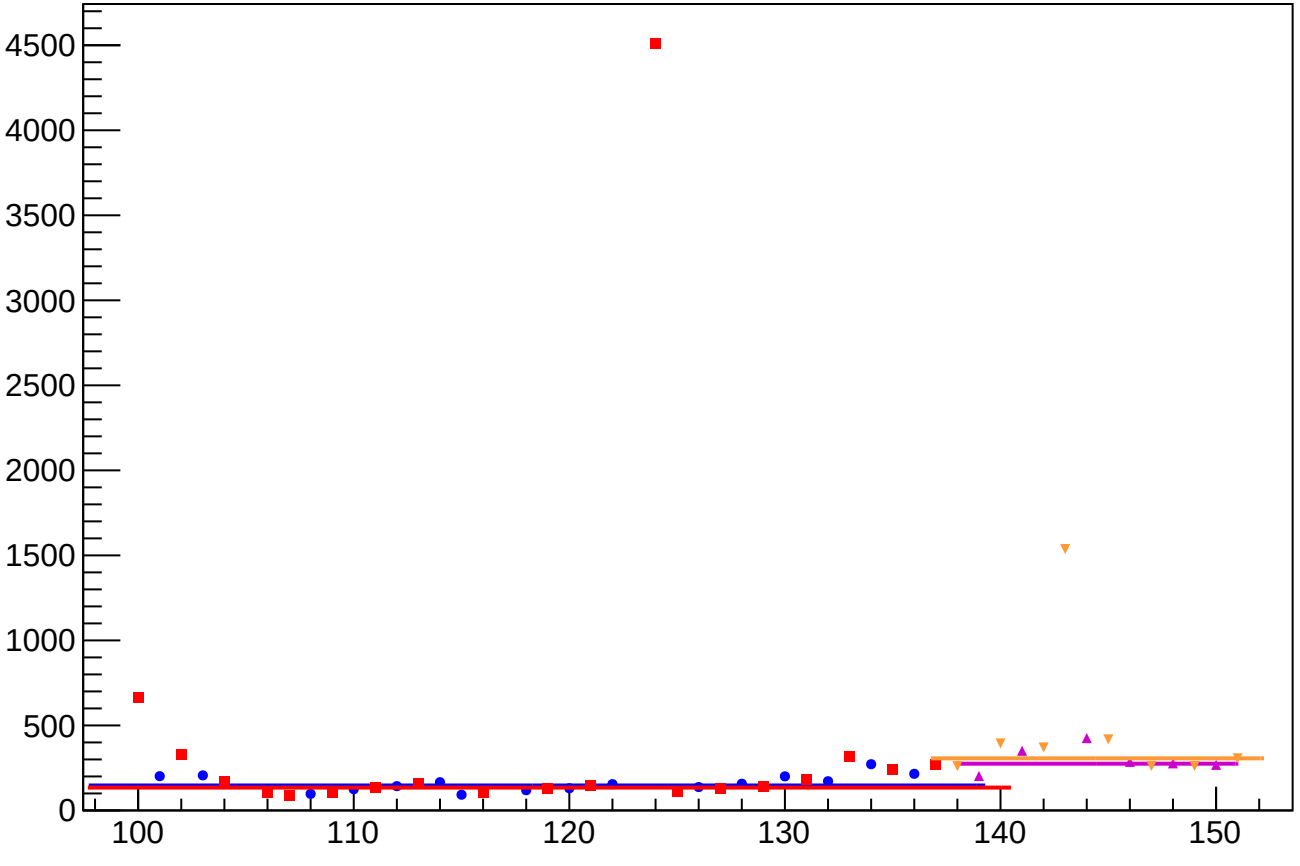
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.407+/-0.093 χ^2/NDF:1411618.5/7

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

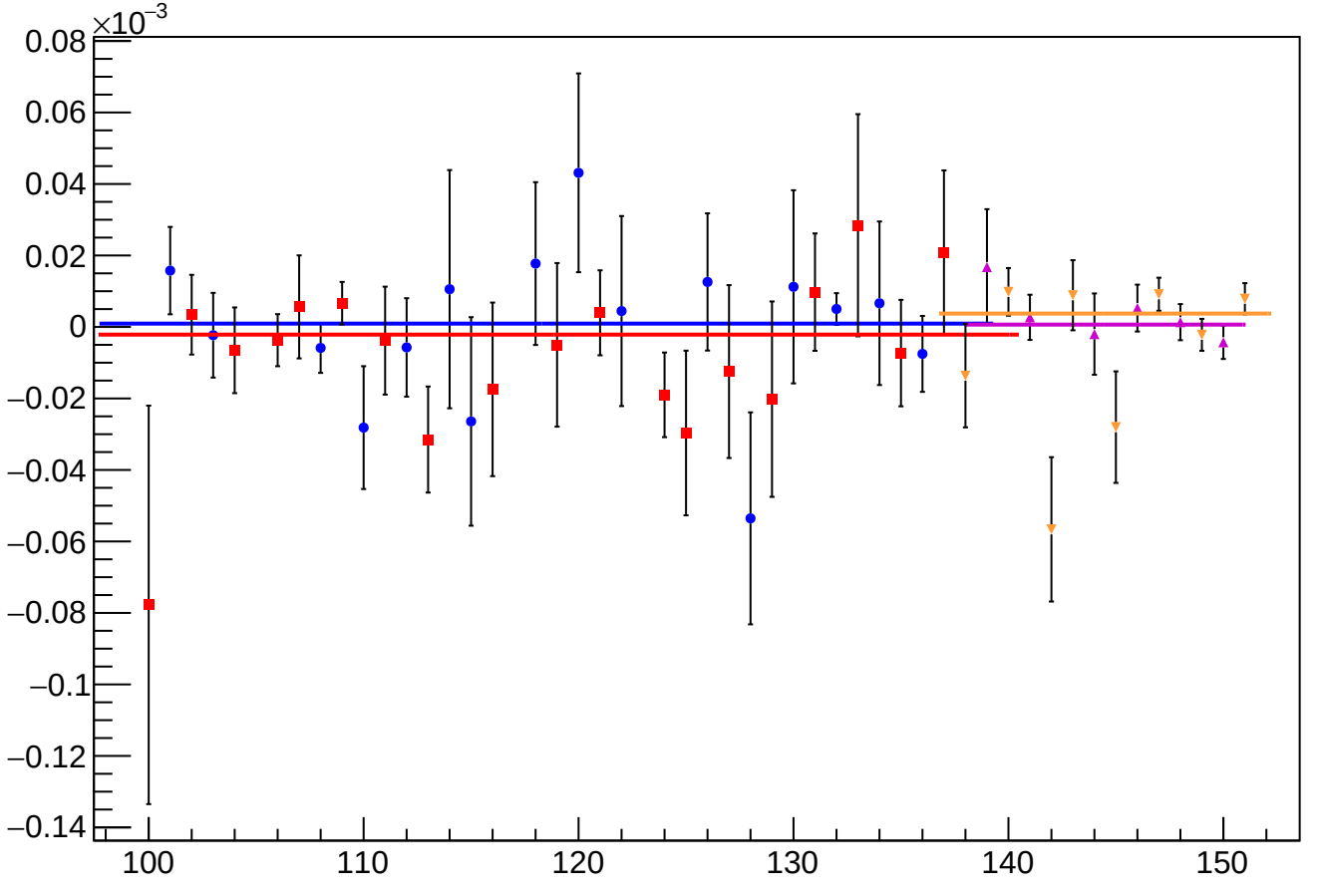
Left: 289.795+/-0.064 χ^2/NDF: 1975112.6/13

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 169.486+/-0.037 χ^2/NDF:3246465.4/21

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/5

Left: 0.000+/-0.000 χ^2/NDF: 23.2/13

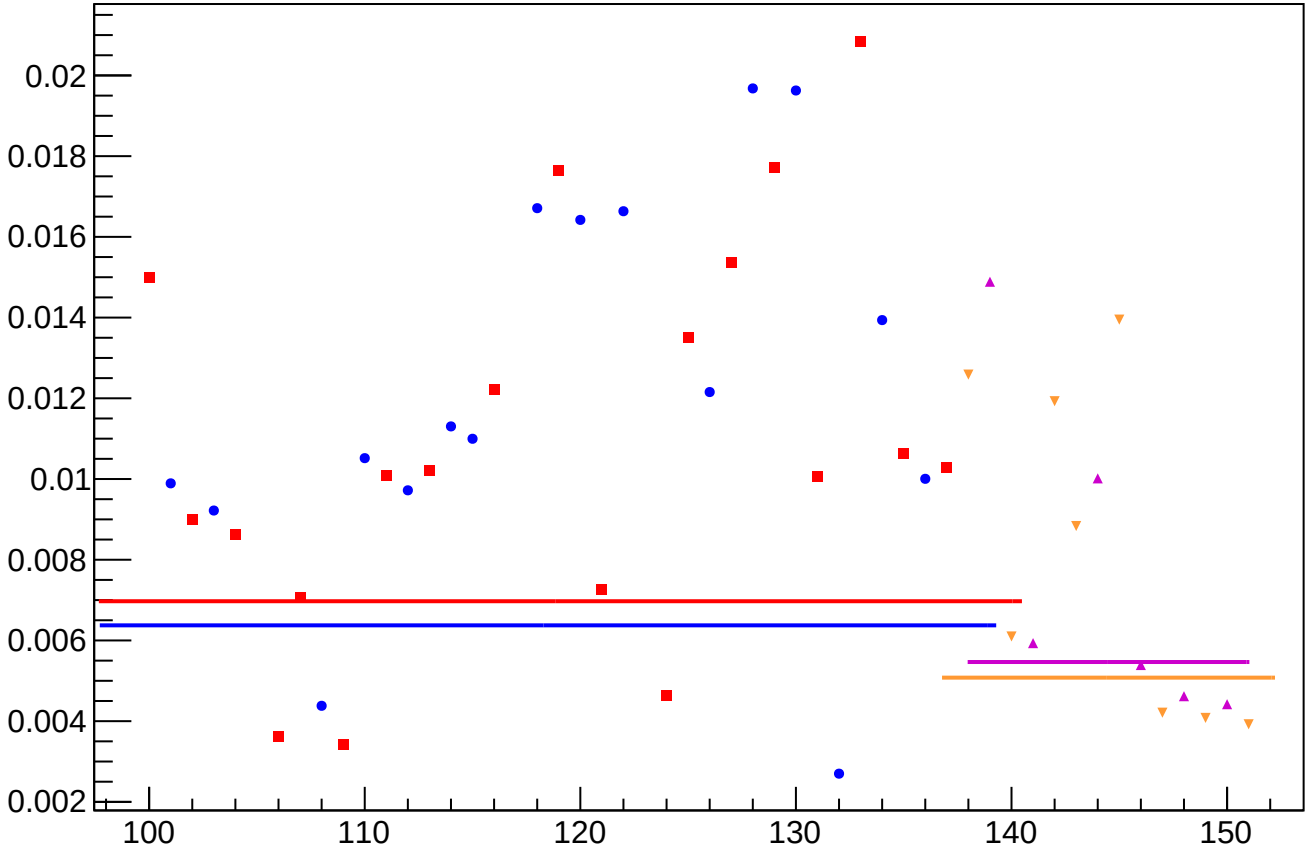
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:17.6/21

Out: 0.000+/-0.000 χ^2/NDF:38.2/26

All: 0.000+/-0.000 χ^2/NDF: 55.9/48

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2067666.8/7

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1164361.1/5

Left: 0.005+/-0.000 χ^2/NDF: 3256868.5/13

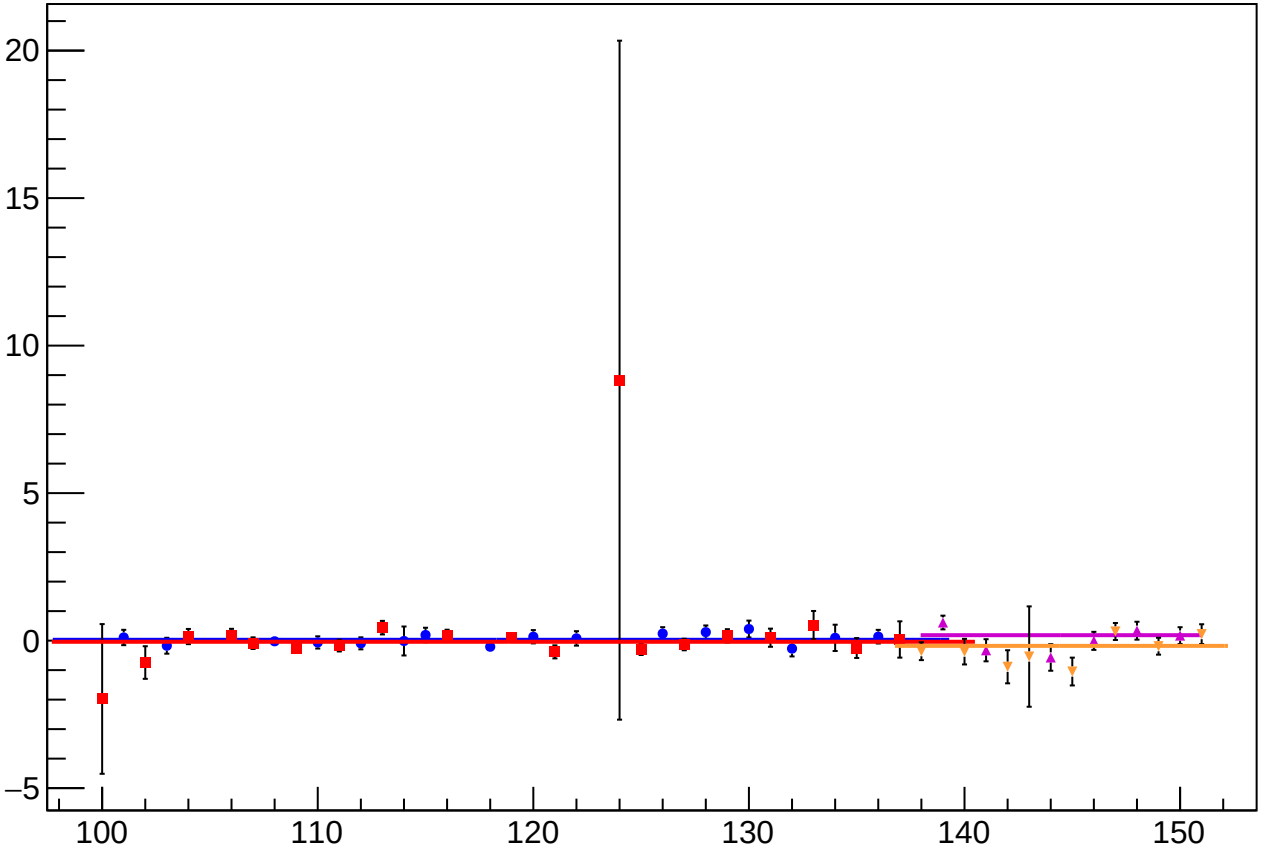
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:5910819.3/21

Out: 0.006+/-0.000 χ^2/NDF:5980677.1/26

All: 0.006+/-0.000 χ^2/NDF: 11894675.5/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

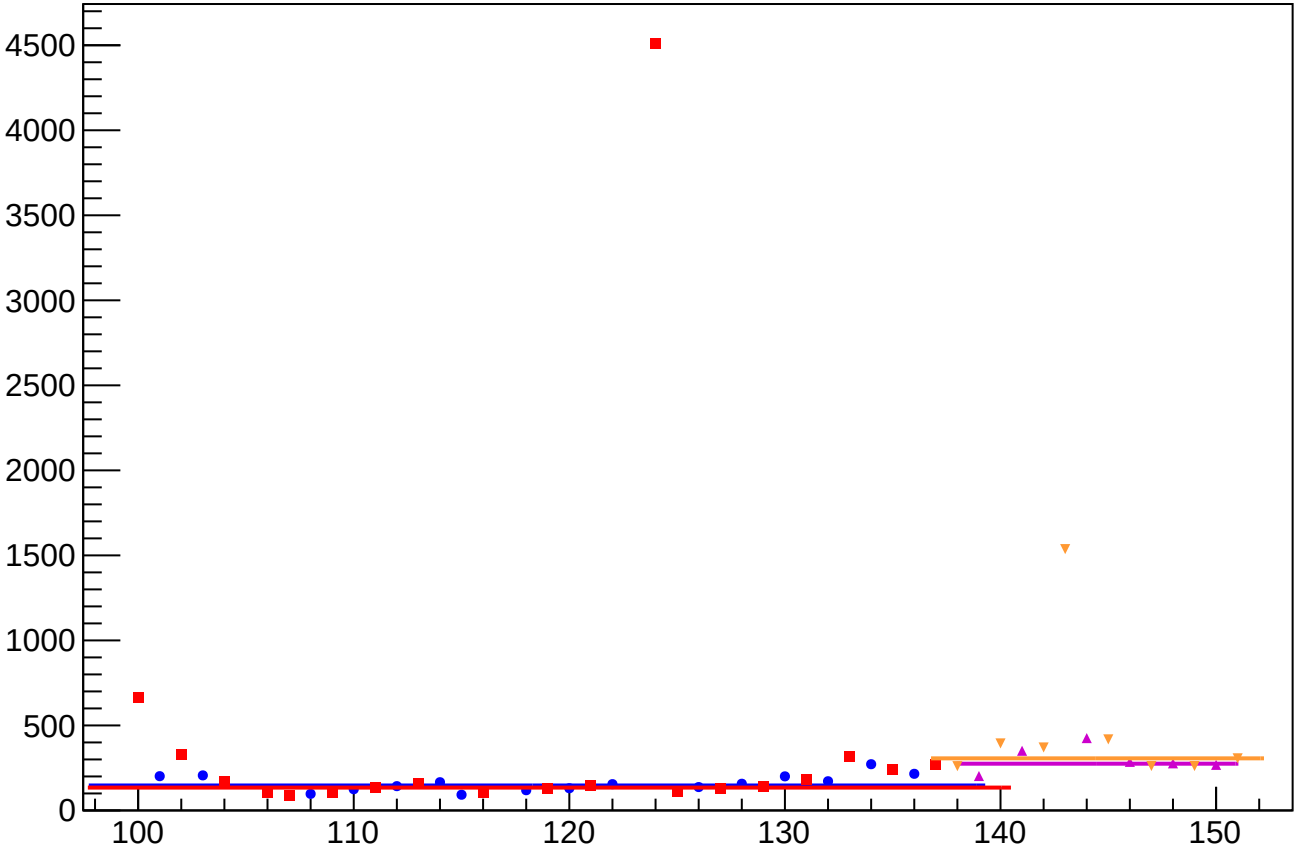
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

Left: 289.799+/-0.064 χ^2/NDF: 1975088.9/13

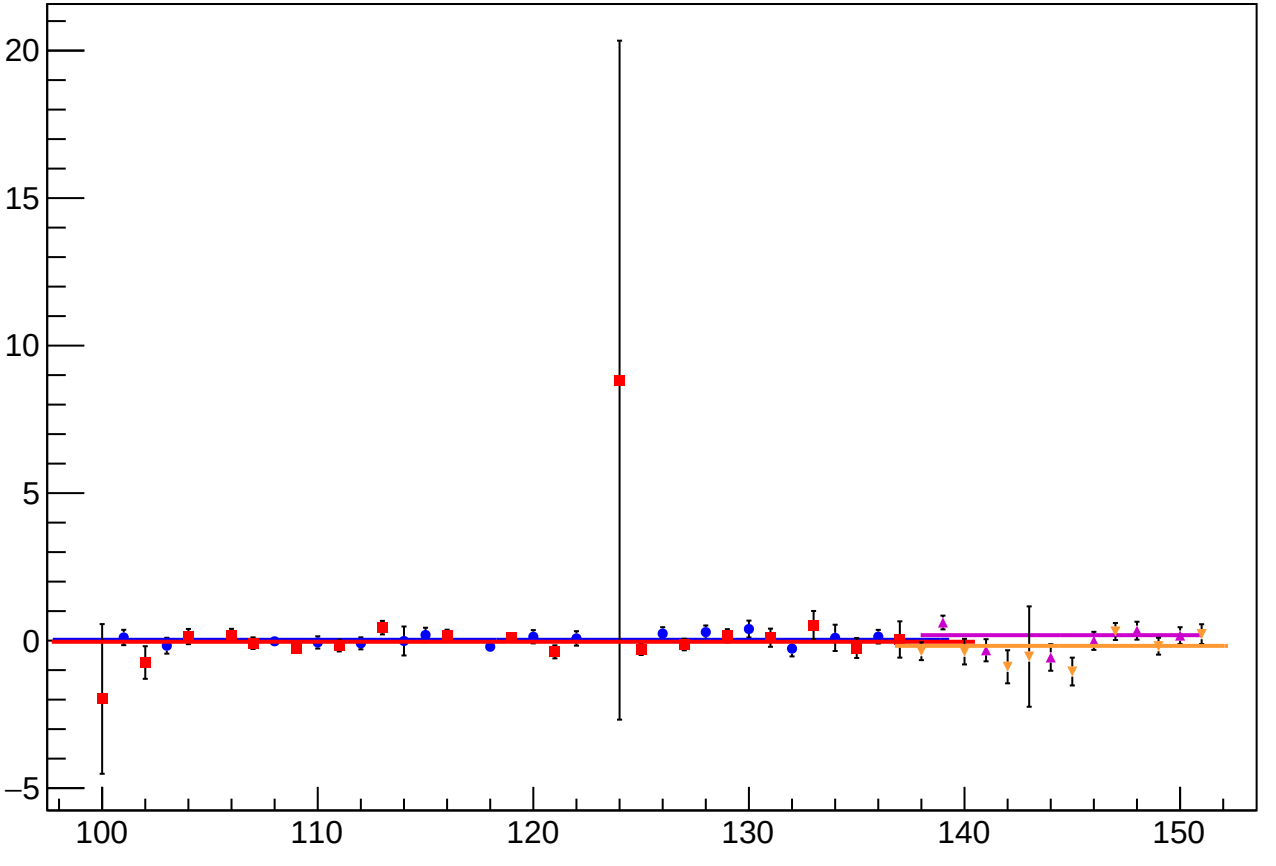
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 169.486+/-0.037 χ^2/NDF:3246460.9/21

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

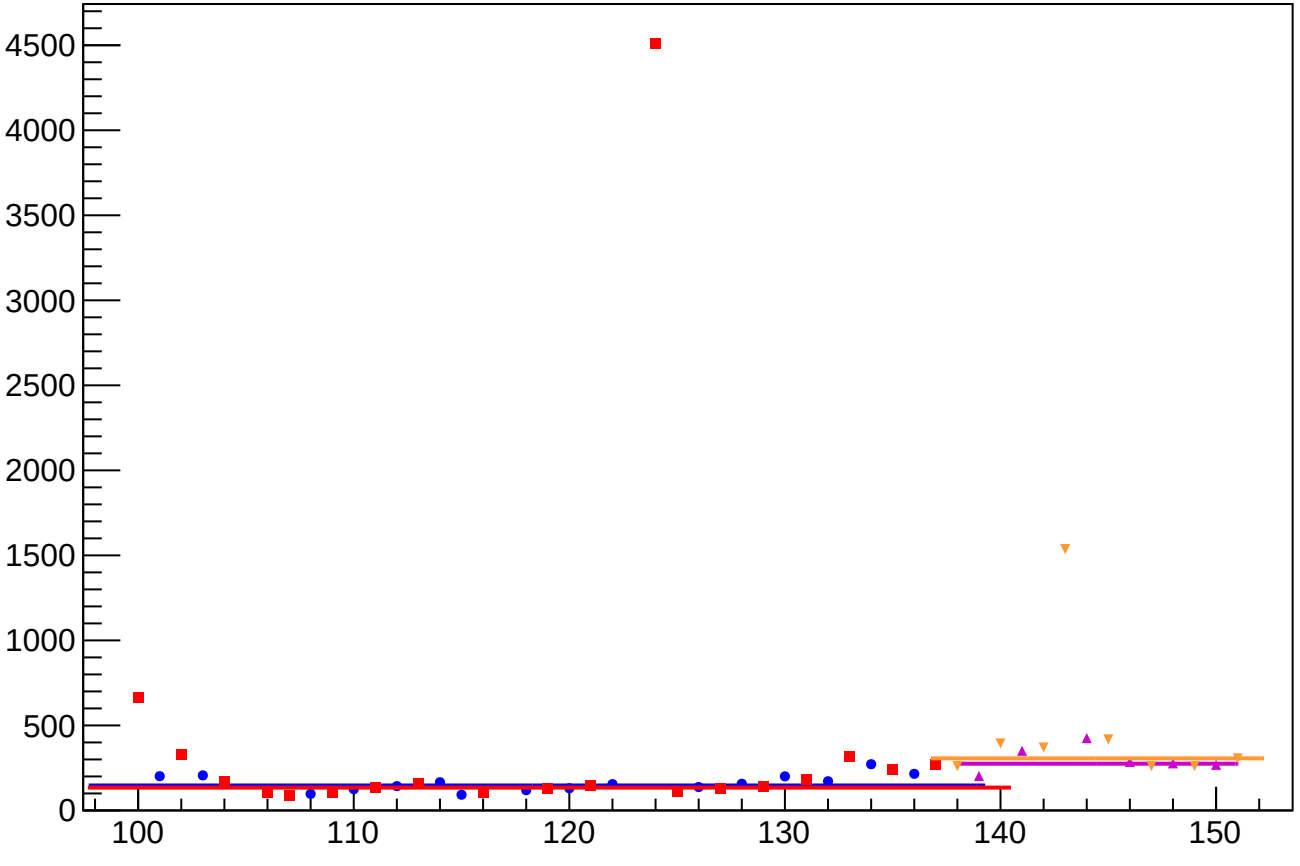
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

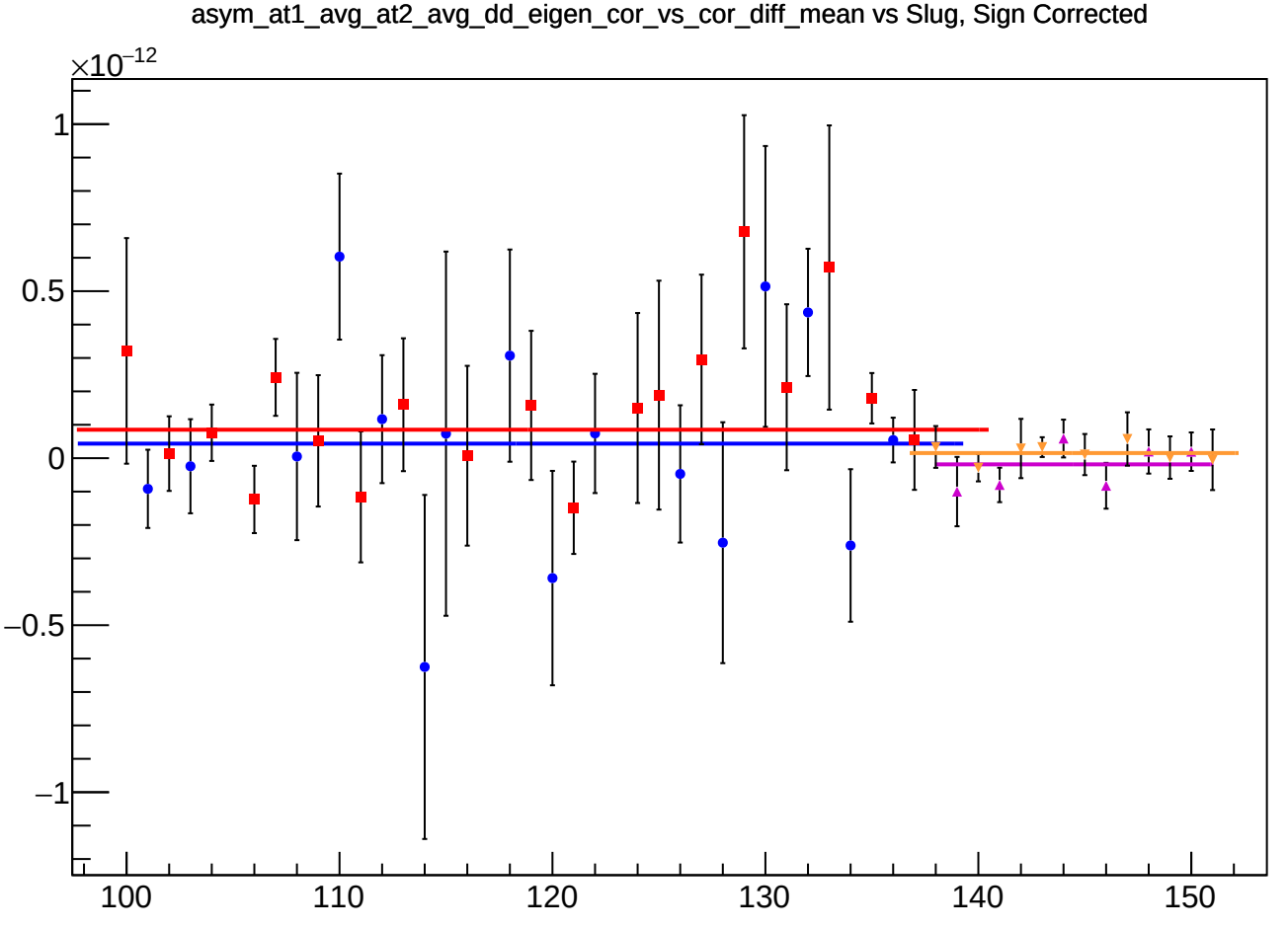
Left: 289.799+/-0.064 χ^2/NDF: 1975088.9/13

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 169.486+/-0.037 χ^2/NDF:3246460.9/21

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/5

Left: 0.000+/-0.000 χ^2/NDF: 8.7/13

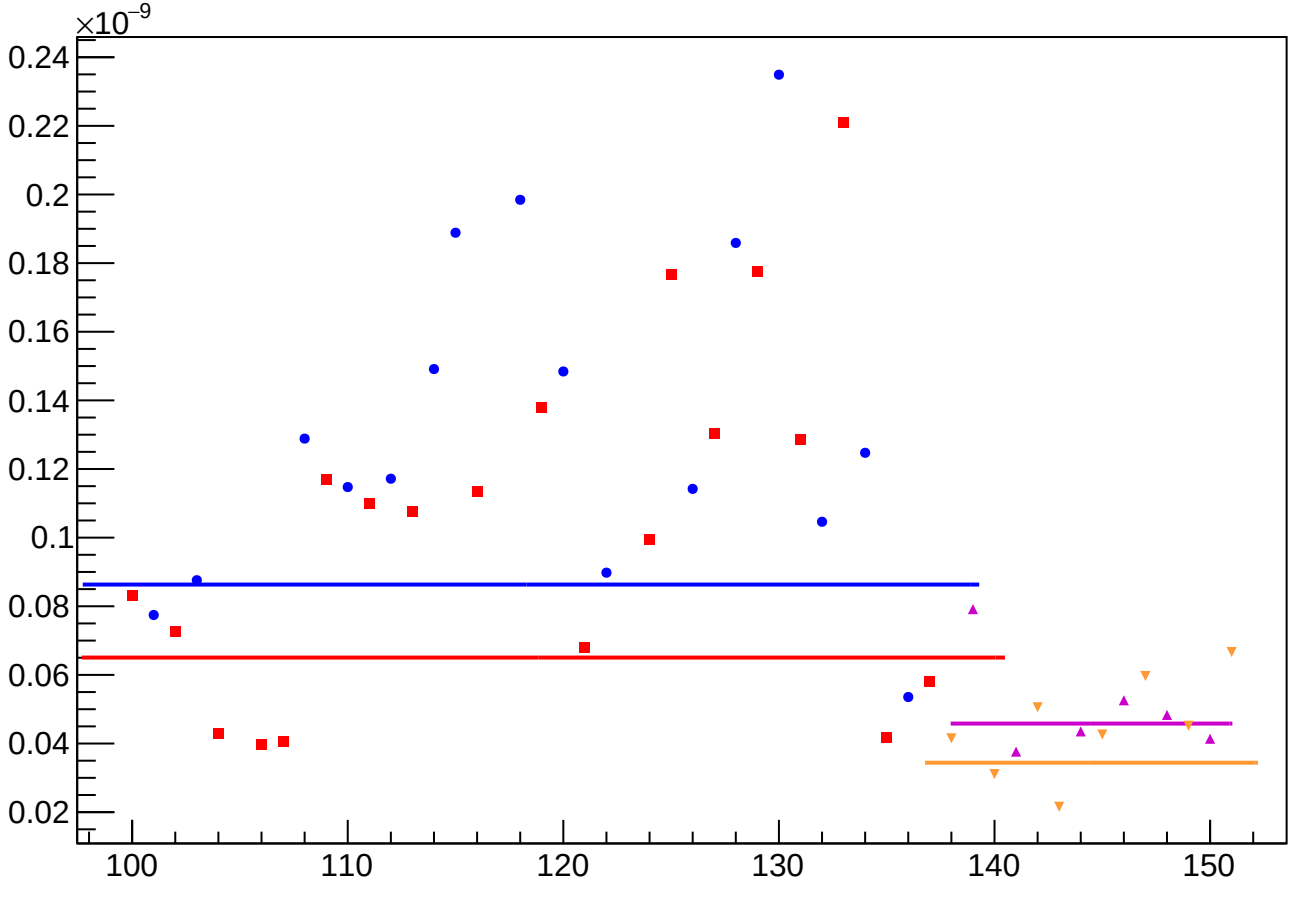
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.1/21

Out: 0.000+/-0.000 χ^2/NDF:23.4/26

All: 0.000+/-0.000 χ^2/NDF: 51.0/48

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:294185.6/5

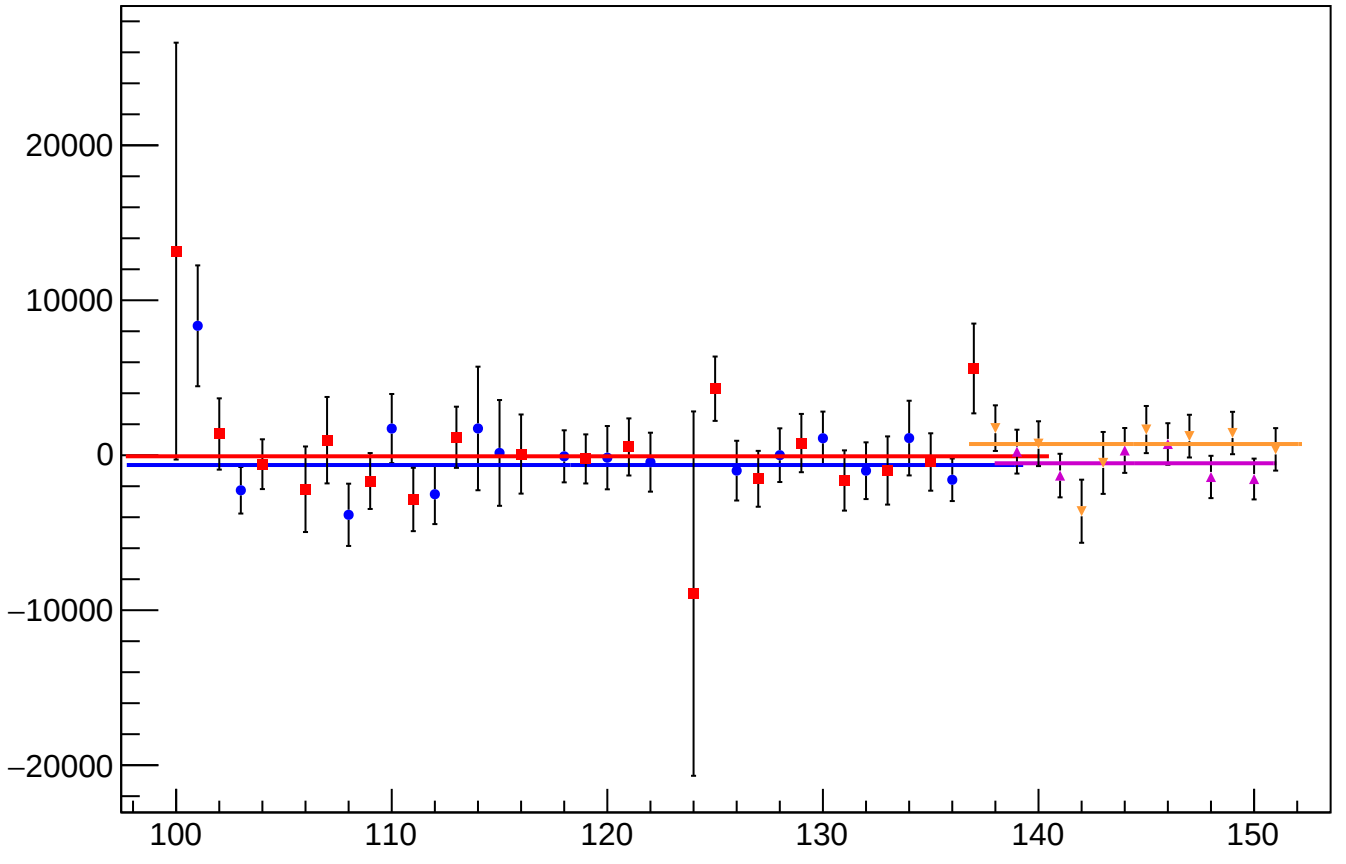
Left: 0.000+/-0.000 χ^2/NDF: 1580256.6/13

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3181917.9/21

Out: 0.000+/-0.000 χ^2/NDF:4423556.7/26

All: 0.000+/-0.000 χ^2/NDF: 8219396.9/48



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.837+/-537.862 χ^2/NDF:6.2/7

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -517.647+/-563.232 χ^2/NDF:2.8/5

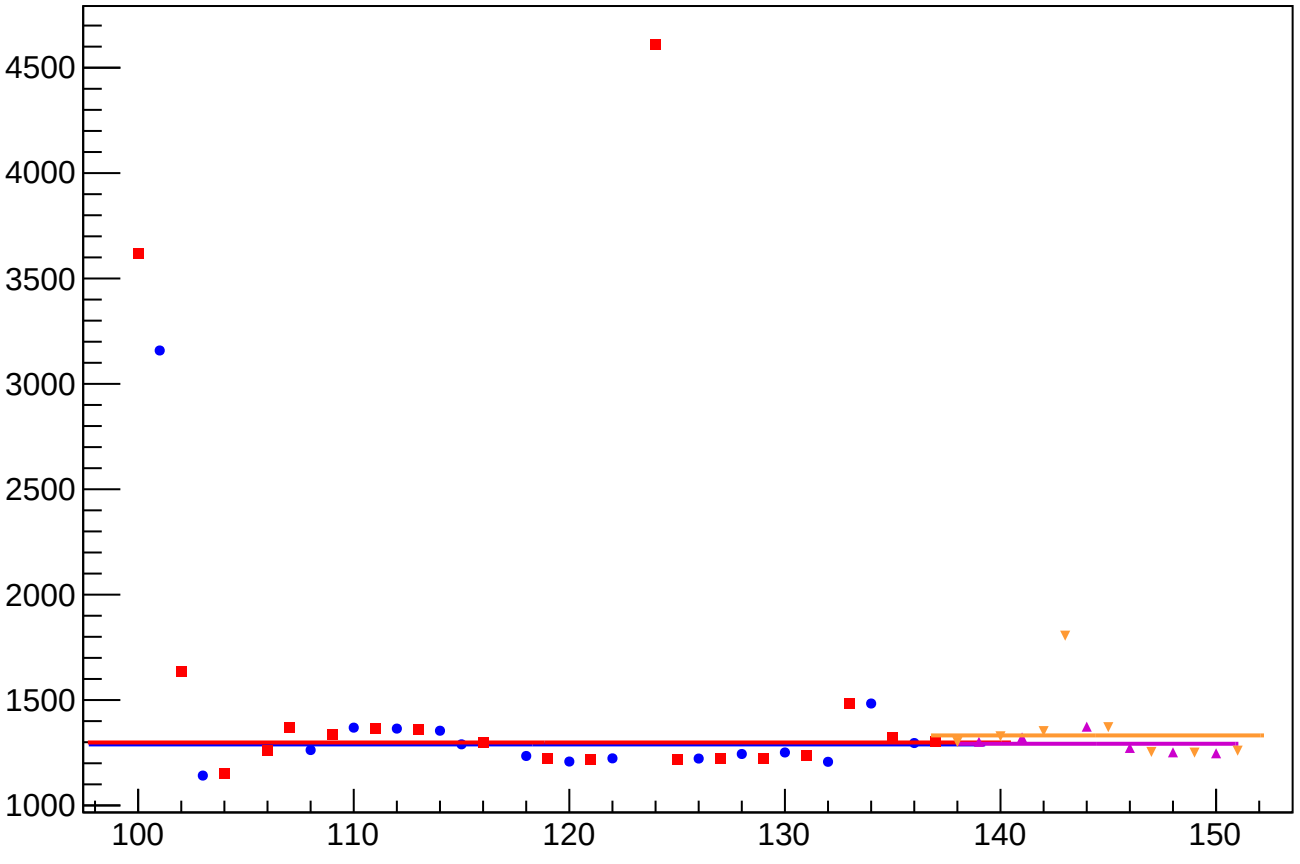
Left: 131.685+/-388.985 χ^2/NDF: 11.6/13

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -582.342+/-369.106 χ^2/NDF:16.7/21

Out: 289.526+/-361.316 χ^2/NDF:23.3/26

All: -137.111+/-258.199 χ^2/NDF: 42.9/48



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

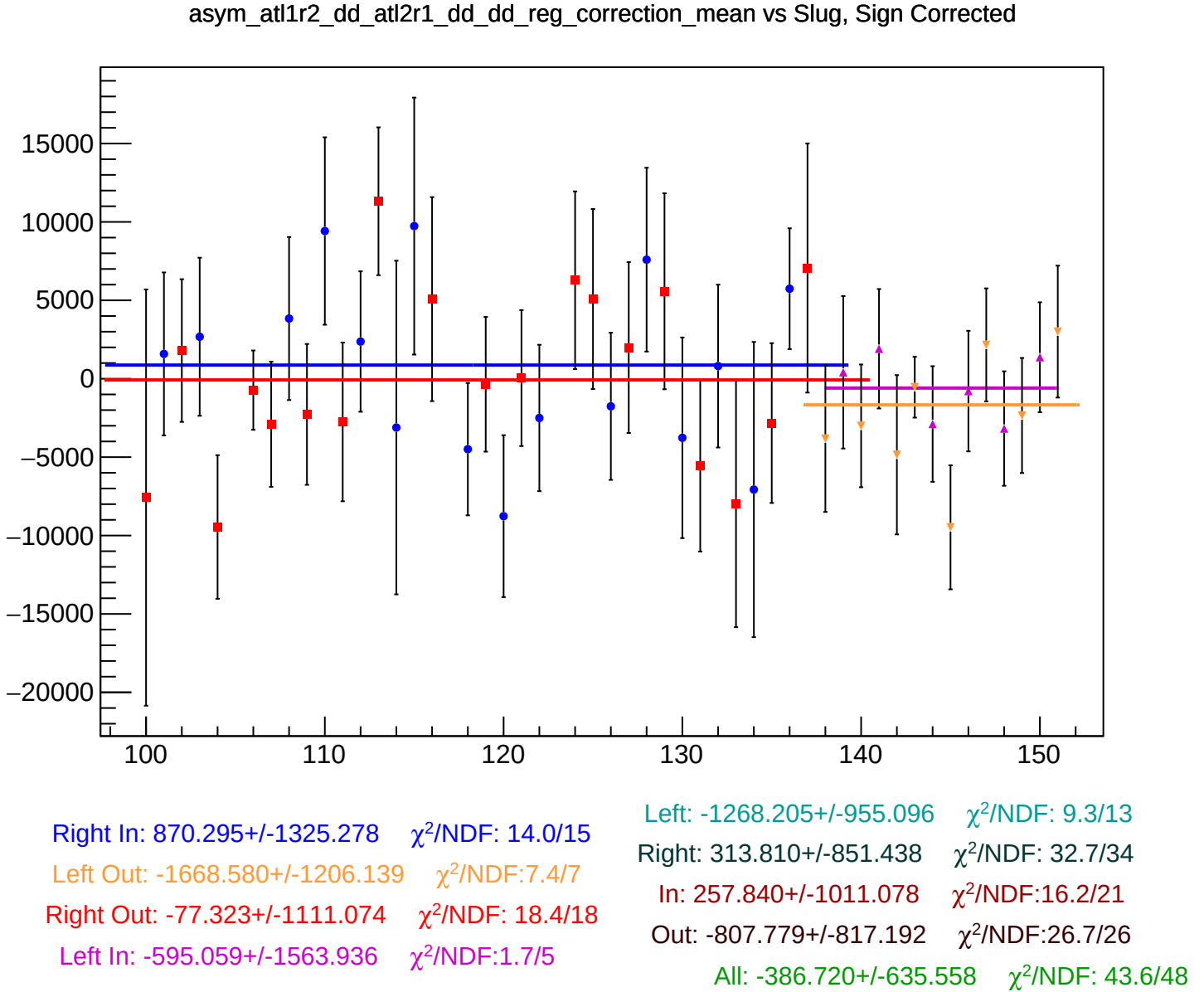
Left: 1313.284+/-0.275 χ^2/NDF: 150761.8/13

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

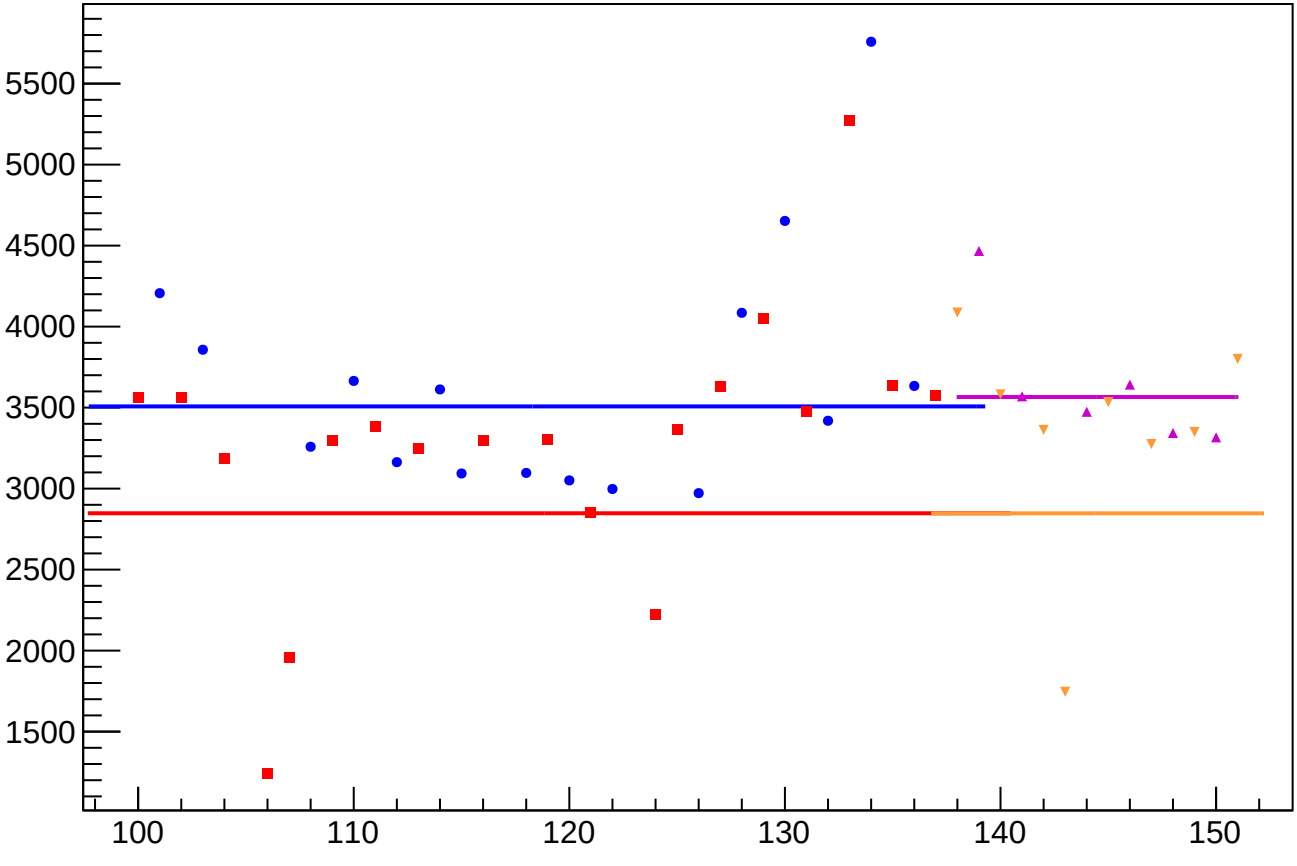
In: 1290.793+/-0.261 χ^2/NDF:526539.1/21

Out: 1313.744+/-0.255 χ^2/NDF:457403.1/26

All: 1302.530+/-0.182 χ^2/NDF: 987896.5/48


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -1668.580+/-1206.139 χ²/NDF:7.4/7
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -595.059+/-1563.936 χ²/NDF:1.7/5
Left: -1268.205+/-955.096 χ²/NDF: 9.3/13
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 257.840+/-1011.078 χ²/NDF:16.2/21
Out: -807.779+/-817.192 χ²/NDF:26.7/26
All: -386.720+/-635.558 χ²/NDF: 43.6/48

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: 2847.311+/-0.853 χ^2/NDF:1105175.2/7

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3565.427+/-1.106 χ^2/NDF:88295.7/5

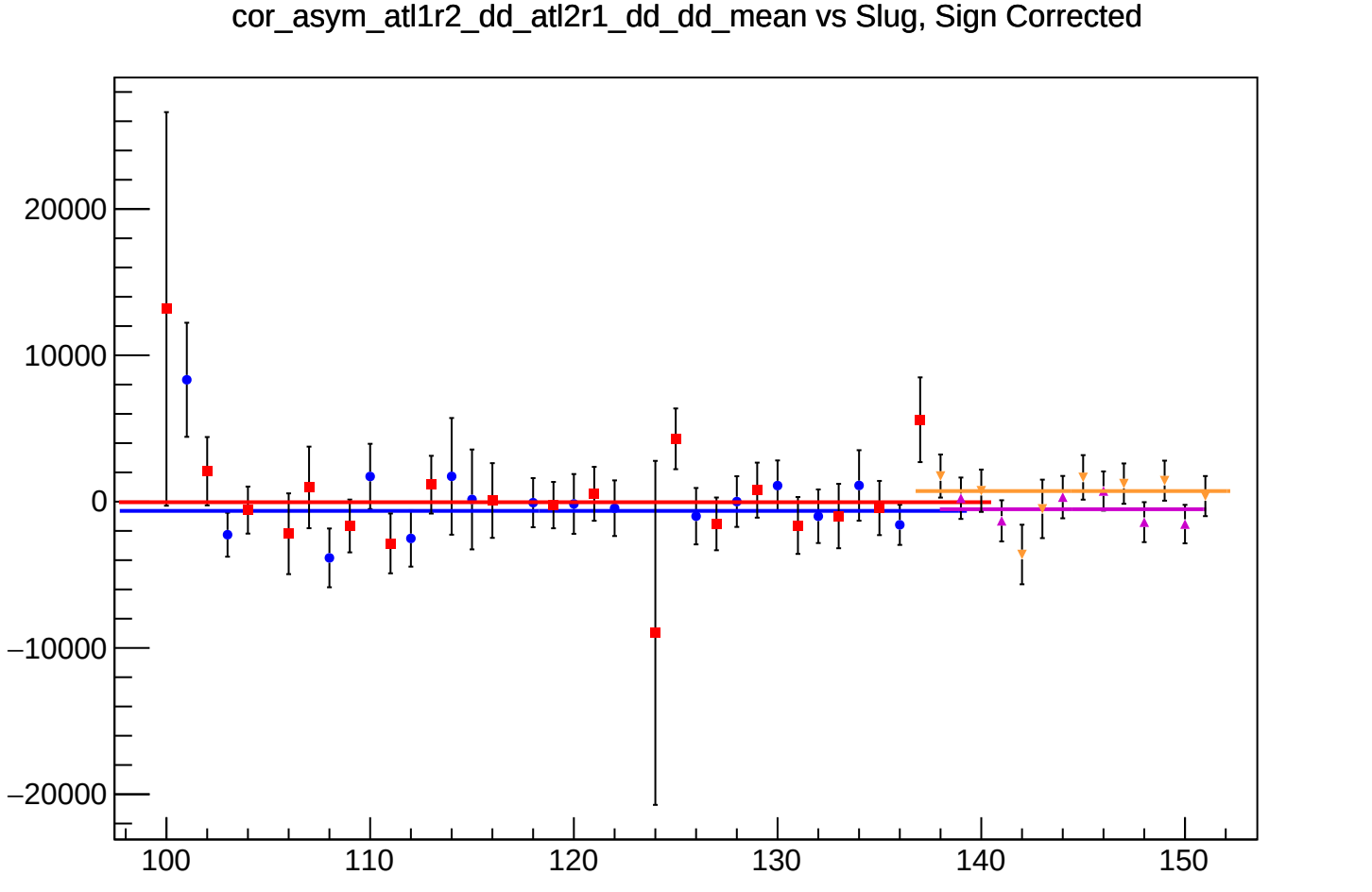
Left: 3115.136+/-0.675 χ^2/NDF: 1457882.2/13

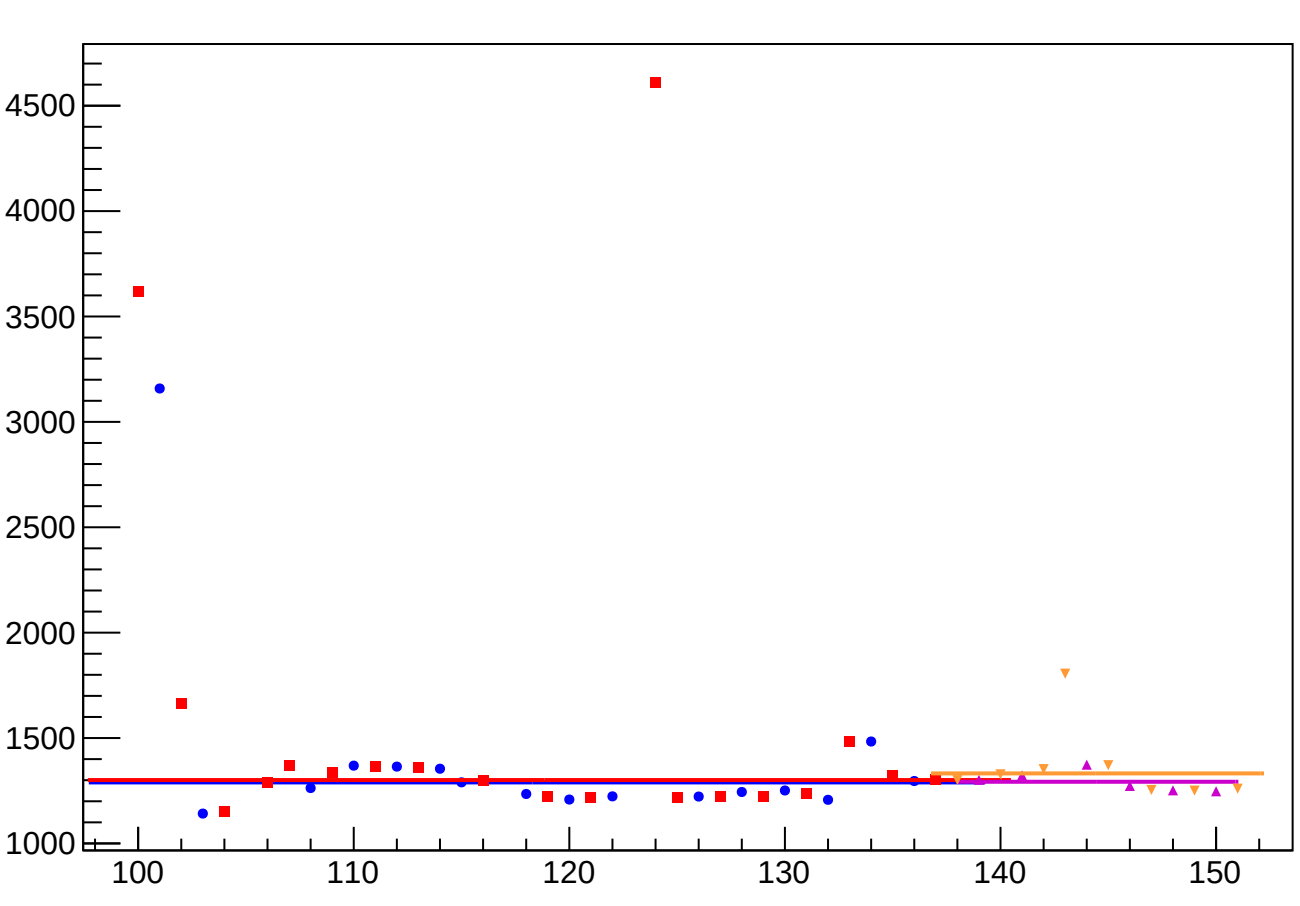
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3531.651+/-0.715 χ^2/NDF:443877.5/21

Out: 2847.593+/-0.578 χ^2/NDF:2604549.0/26

All: 3117.886+/-0.449 χ^2/NDF: 3602168.8/48


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 723.805+/-537.862 χ²/NDF:6.2/7
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -517.618+/-563.232 χ²/NDF:2.8/5
Left: 131.682+/-388.985 χ²/NDF: 11.6/13
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -582.550+/-369.106 χ²/NDF:16.7/21
Out: 305.686+/-361.448 χ²/NDF:23.7/26
All: -129.122+/-258.247 χ²/NDF: 43.3/48



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

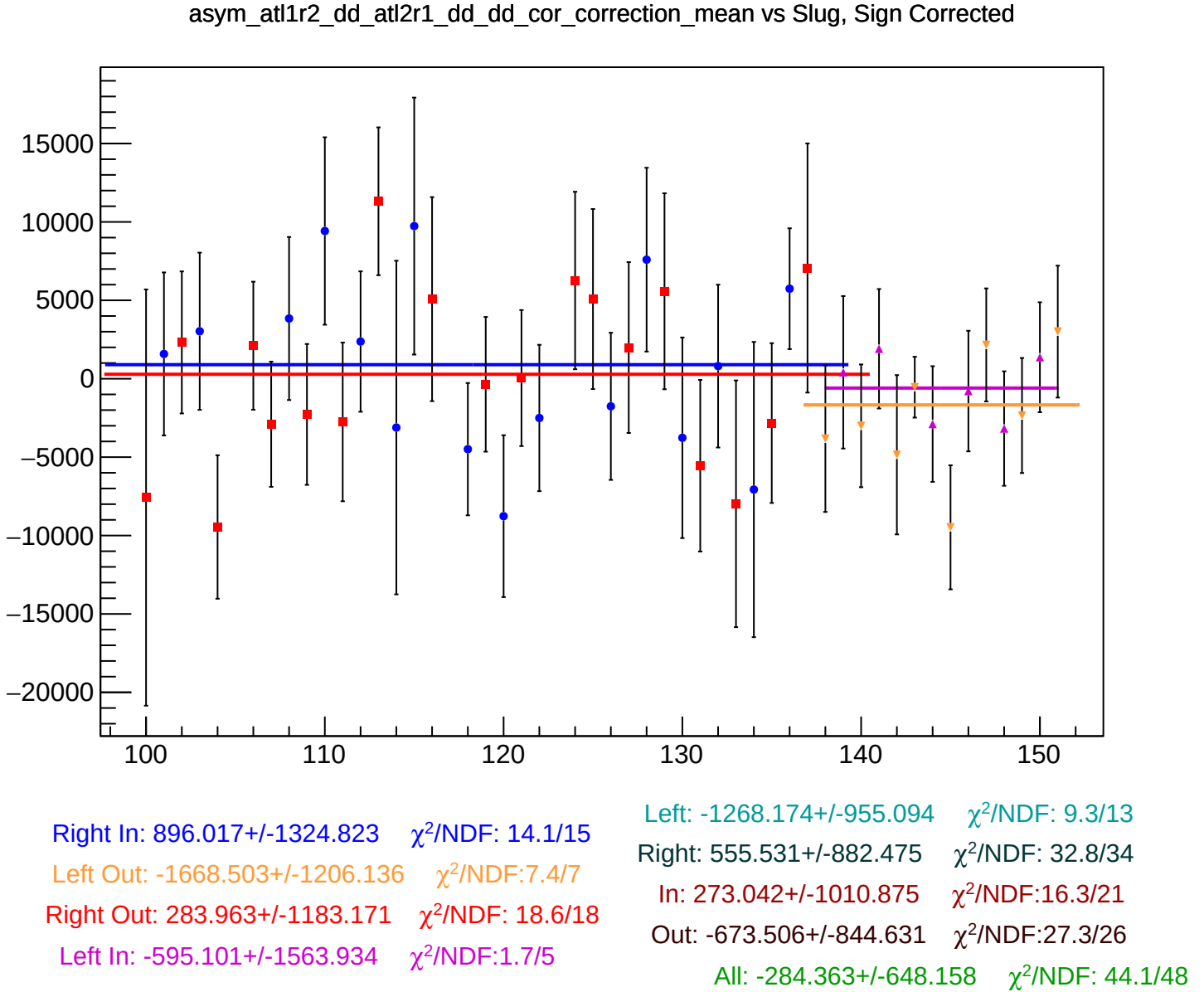
Left: 1313.284+/-0.275 χ^2/NDF: 150761.8/13

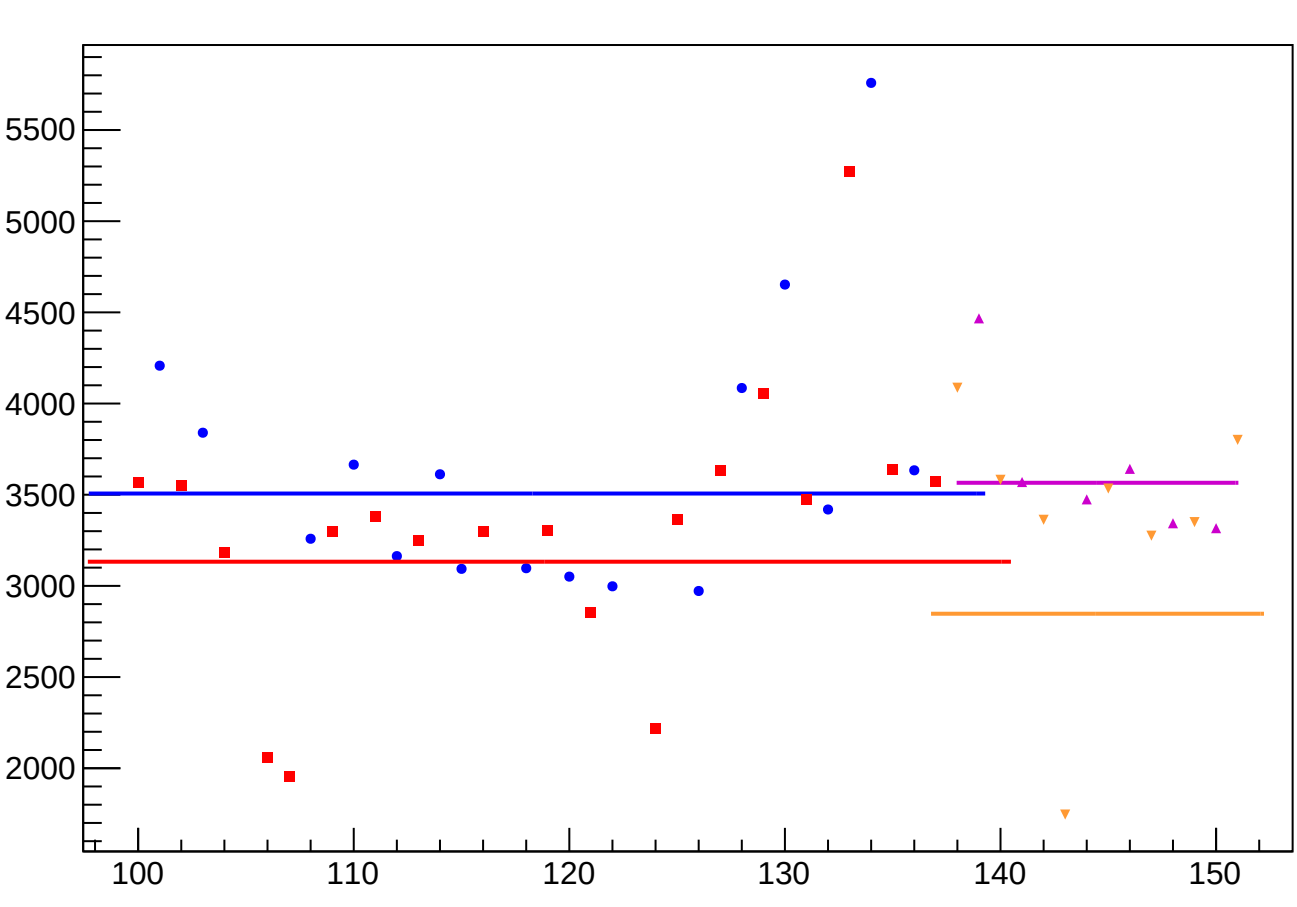
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.793+/-0.261 χ^2/NDF:526540.5/21

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1668.503+/-1206.136 χ²/NDF:7.4/7
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -595.101+/-1563.934 χ²/NDF:1.7/5
Left: -1268.174+/-955.094 χ²/NDF: 9.3/13
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 273.042+/-1010.875 χ²/NDF:16.3/21
Out: -673.506+/-844.631 χ²/NDF:27.3/26
All: -284.363+/-648.158 χ²/NDF: 44.1/48



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

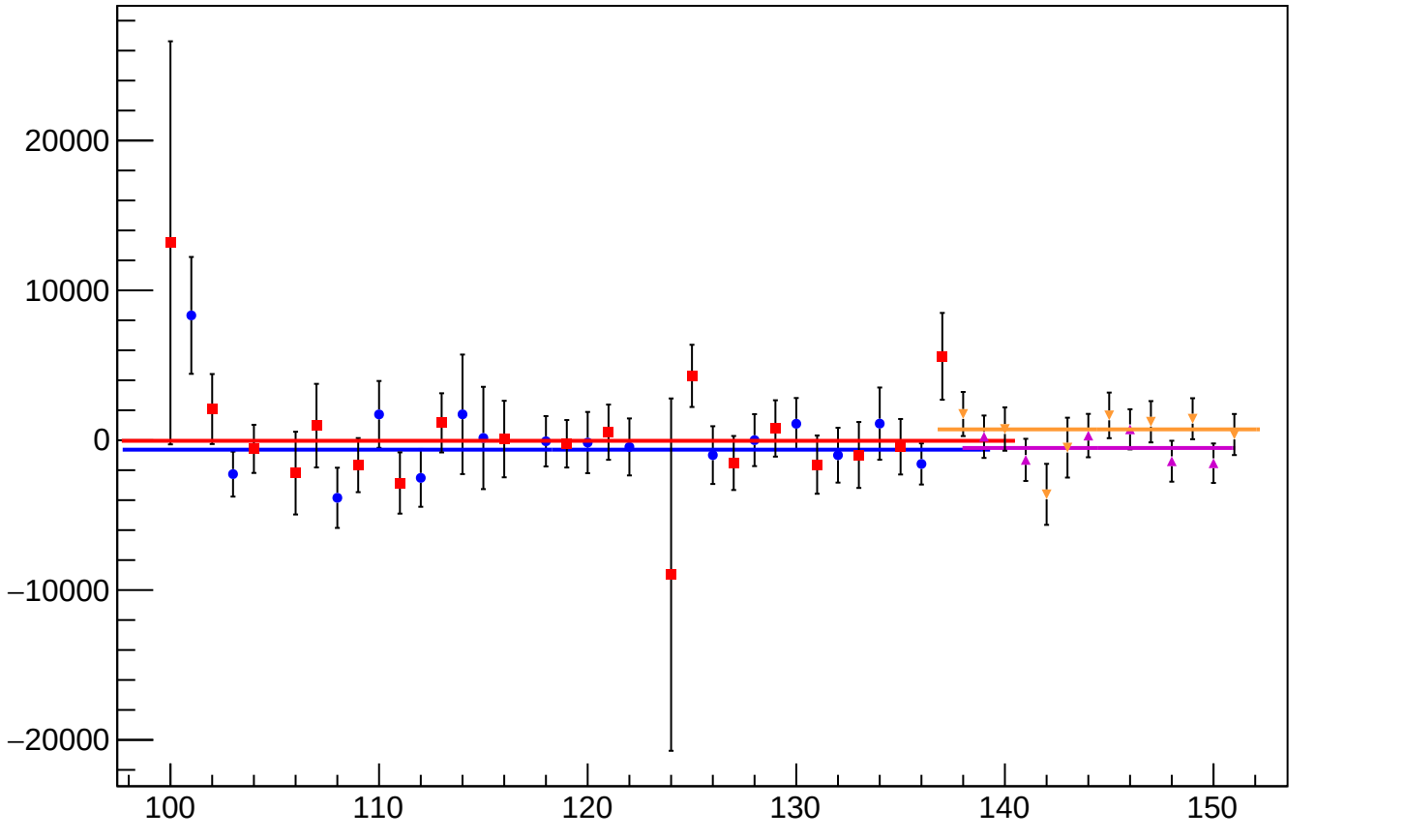
Left: 3115.127+/-0.675 χ^2/NDF: 1457905.8/13

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3531.108+/-0.715 χ^2/NDF:443186.4/21

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 723.805+/-537.862 χ^2/NDF:6.2/7

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -517.618+/-563.232 χ^2/NDF:2.8/5

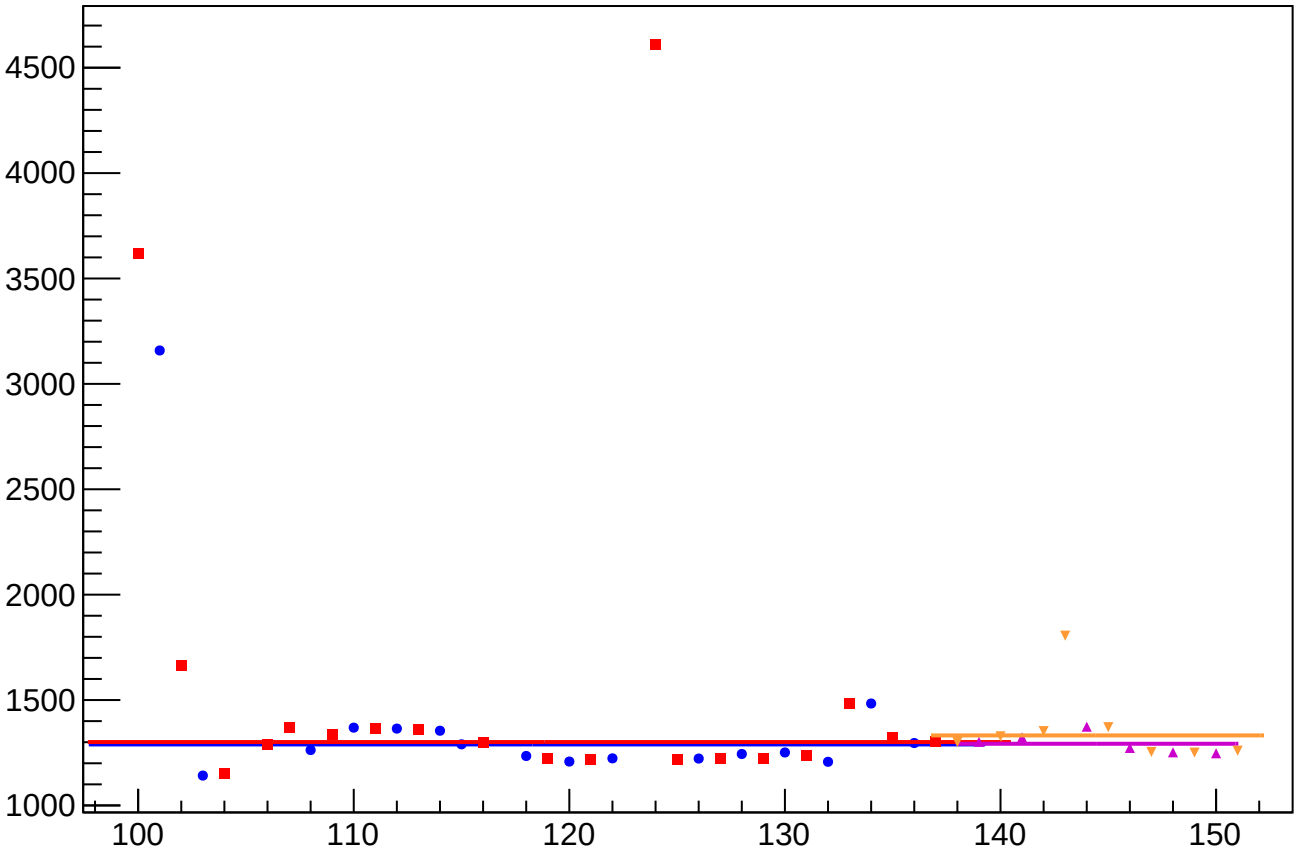
Left: 131.682+/-388.985 χ^2/NDF: 11.6/13

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -582.550+/-369.106 χ^2/NDF:16.7/21

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -129.122+/-258.247 χ^2/NDF: 43.3/48



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1332.187+/-0.380 χ^2/NDF:133752.8/7

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1292.555+/-0.398 χ^2/NDF:11829.7/5

Left: 1313.284+/-0.275 χ^2/NDF: 150761.8/13

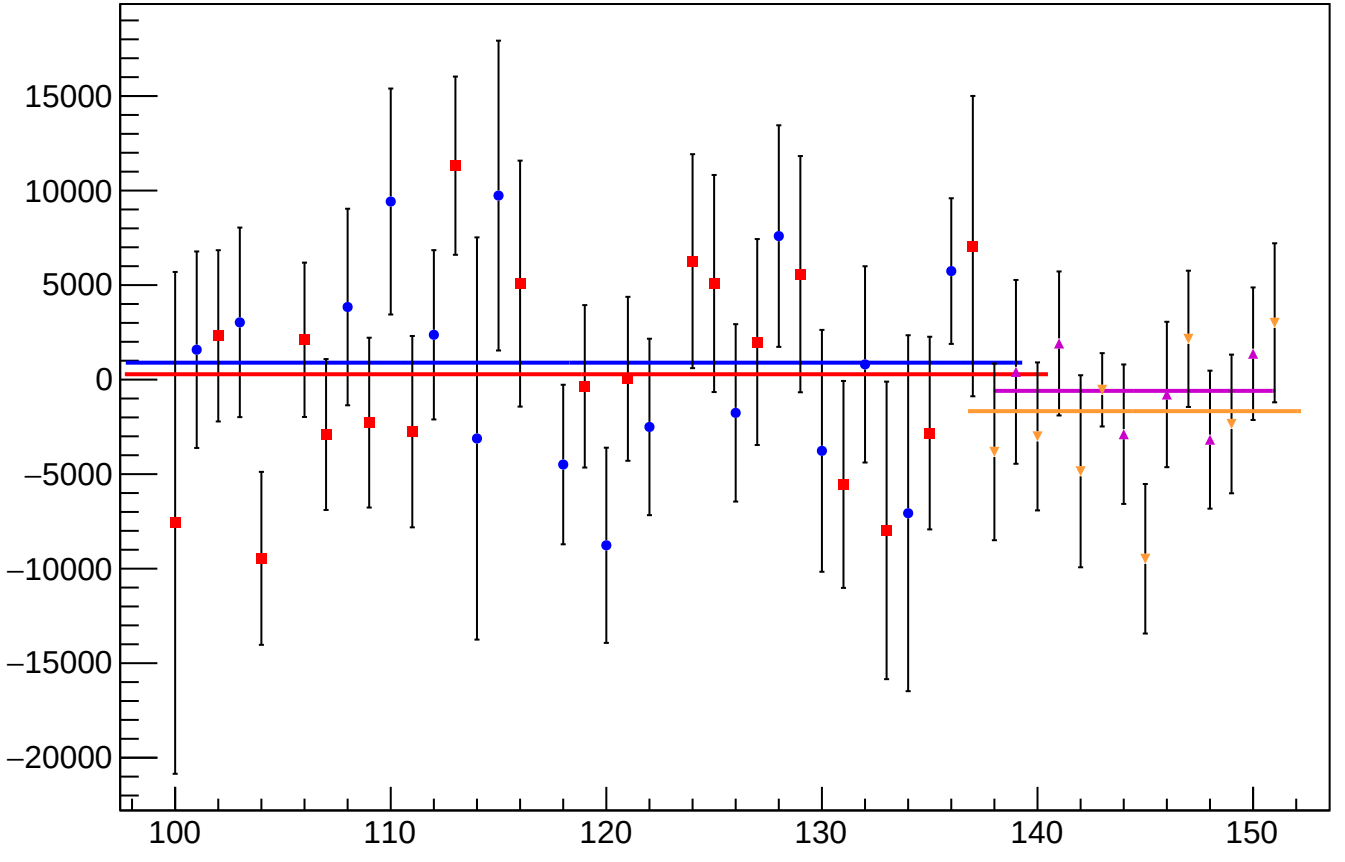
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1290.793+/-0.261 χ^2/NDF:526540.5/21

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1303.102+/-0.183 χ^2/NDF: 994322.9/48

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -595.101+/-1563.934 χ^2/NDF:1.7/5

Left: -1268.174+/-955.094 χ^2/NDF: 9.3/13

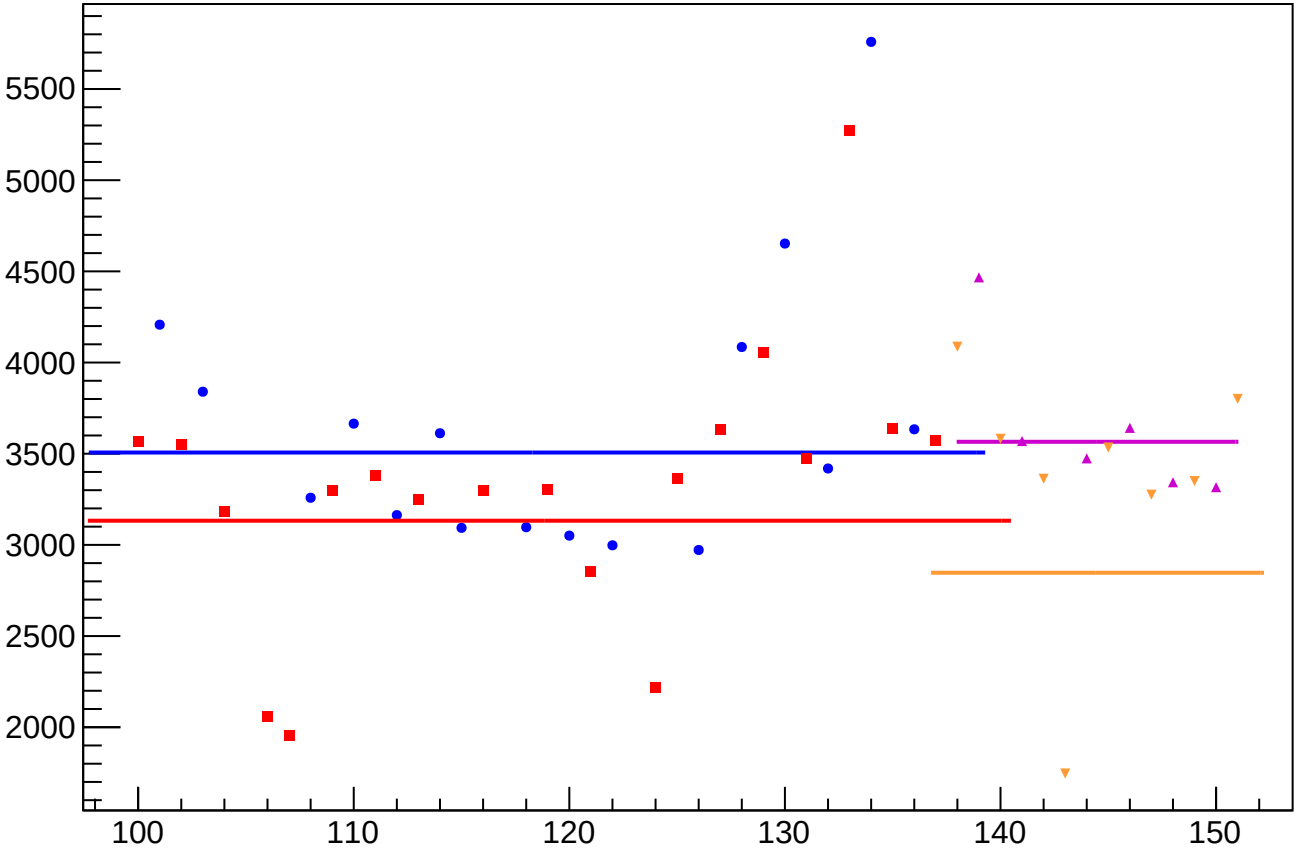
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 273.042+/-1010.875 χ^2/NDF:16.3/21

Out: -673.506+/-844.631 χ^2/NDF:27.3/26

All: -284.363+/-648.158 χ^2/NDF: 44.1/48

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: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3565.422+/-1.106 χ^2/NDF:88295.0/5

Left: 3115.127+/-0.675 χ^2/NDF: 1457905.8/13

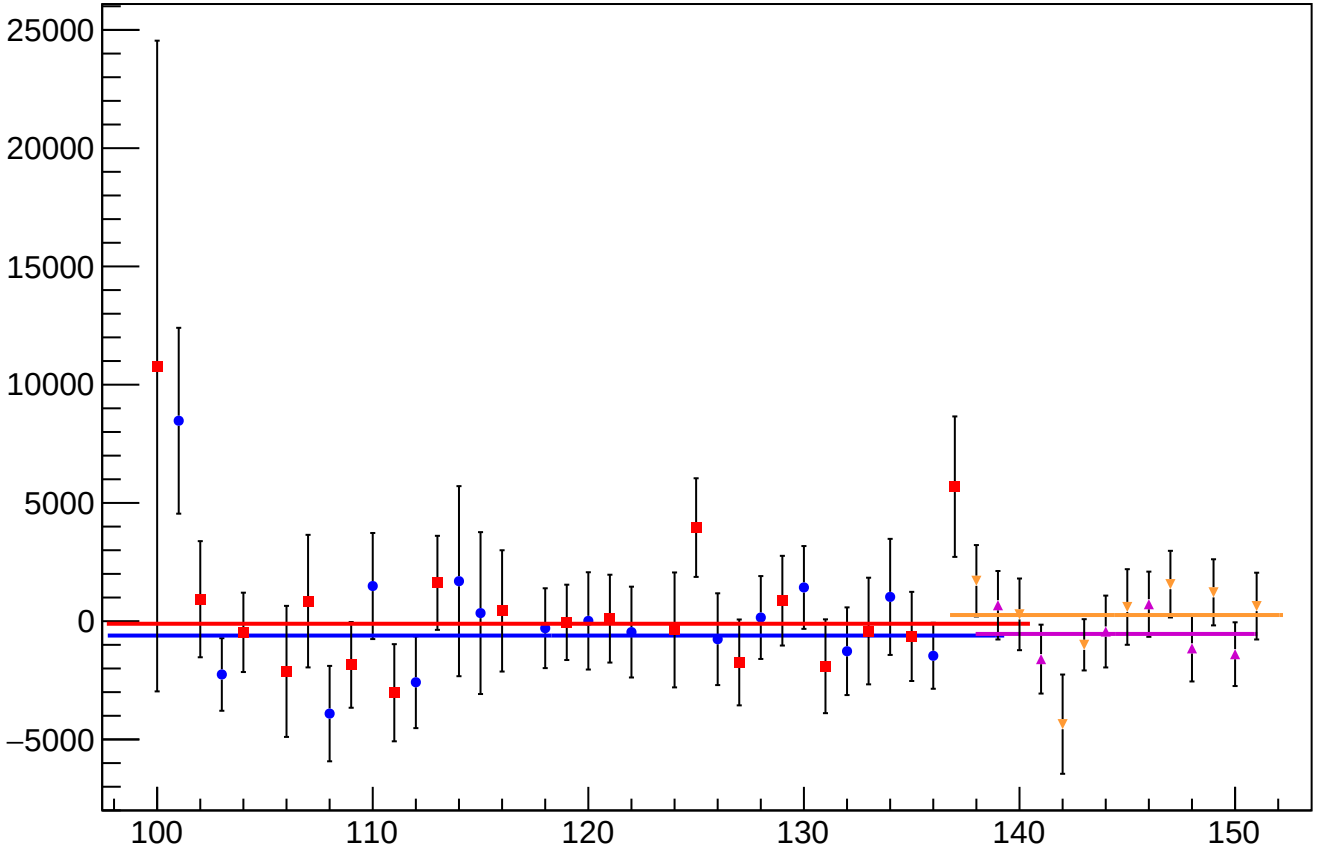
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3531.108+/-0.715 χ^2/NDF:443186.4/21

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3214.041+/-0.458 χ^2/NDF: 2589138.3/48

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.523+/-508.892 χ^2/NDF:8.6/7

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -539.145+/-580.335 χ^2/NDF:2.7/5

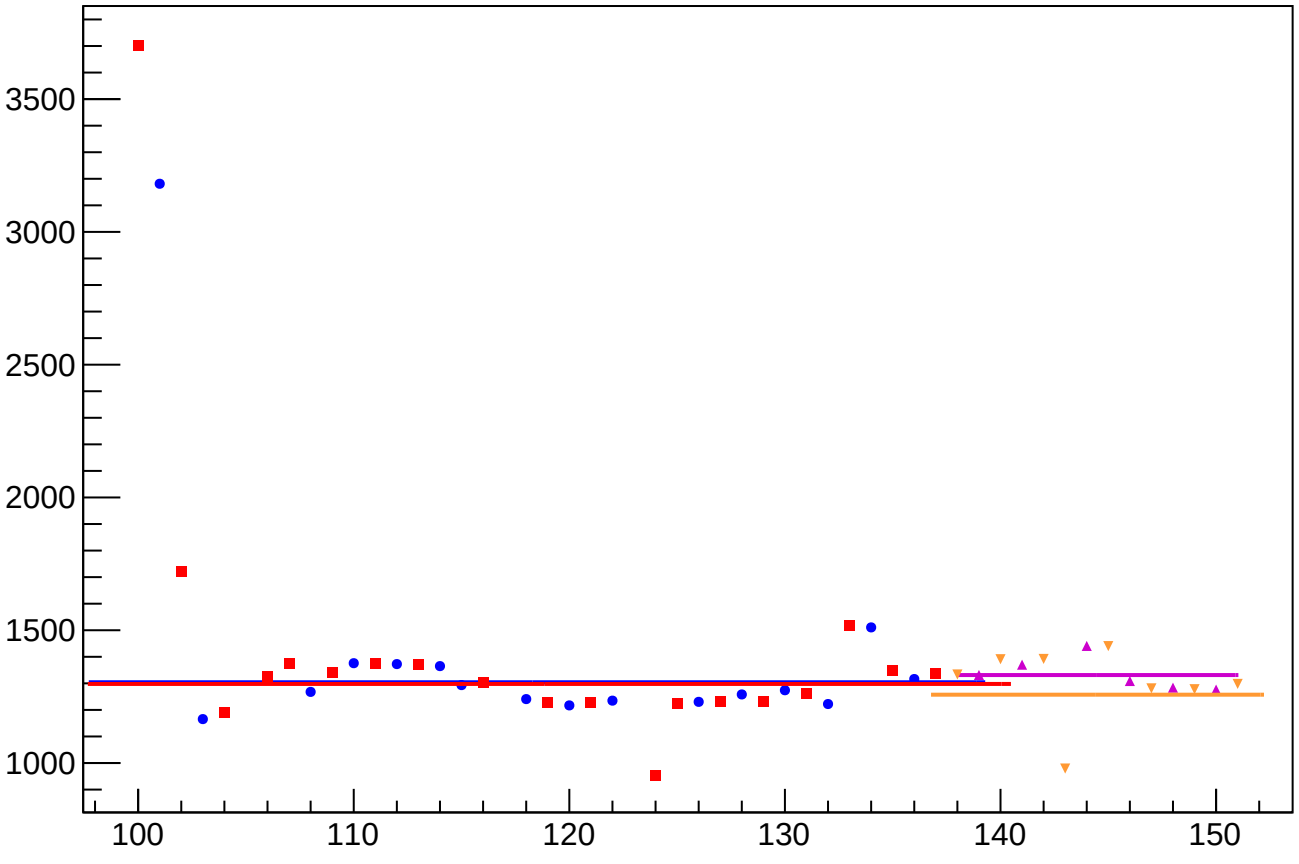
Left: -87.084+/-382.621 χ^2/NDF: 12.3/13

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -578.960+/-376.249 χ^2/NDF:16.8/21

Out: 67.296+/-351.299 χ^2/NDF:23.7/26

All: -233.695+/-256.774 χ^2/NDF: 42.1/48



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1257.332+/-0.360 χ^2/NDF:189333.3/7

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1331.283+/-0.410 χ^2/NDF:18010.4/5

Left: 1289.478+/-0.271 χ^2/NDF: 225702.4/13

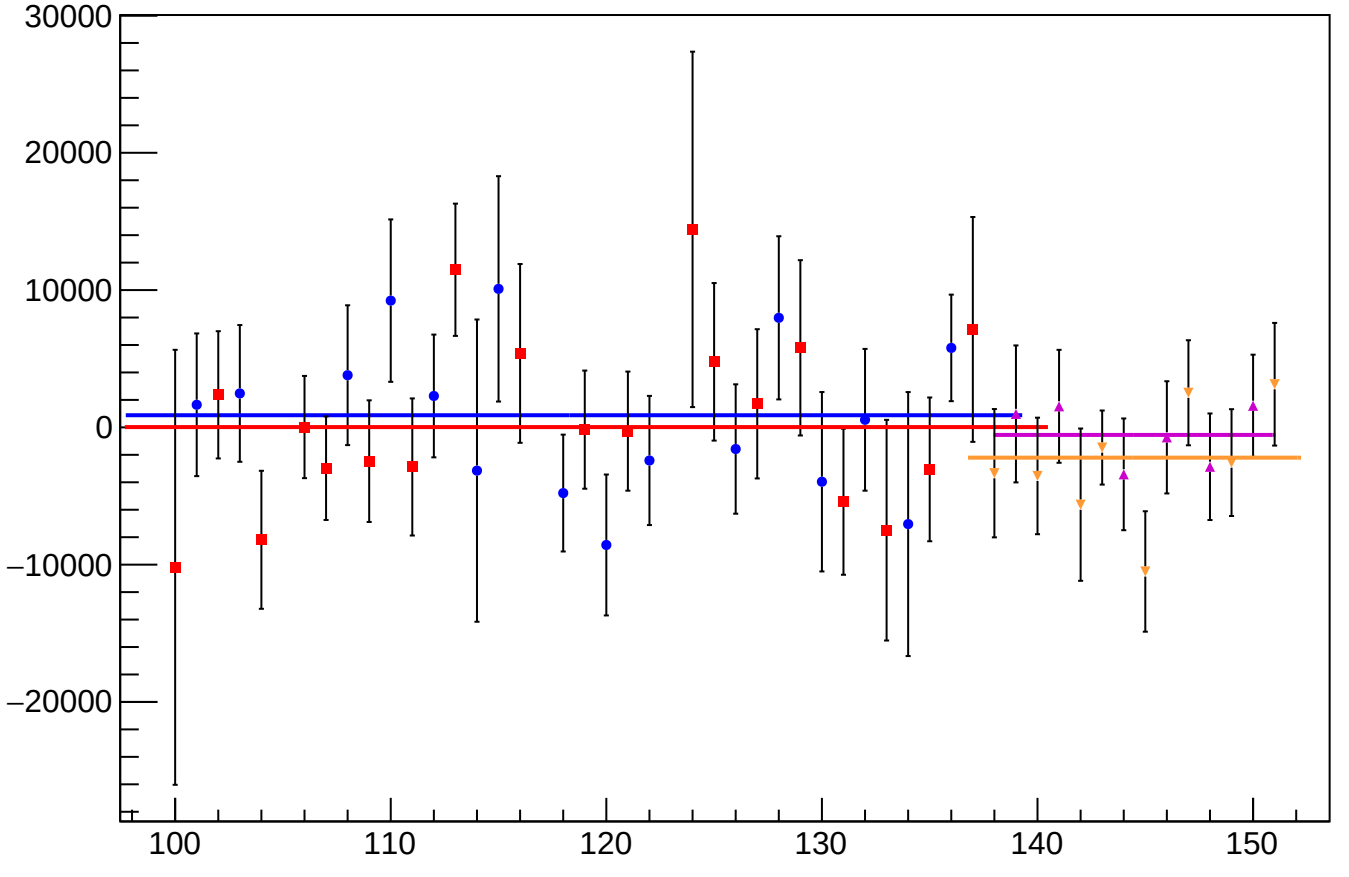
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.527+/-0.266 χ^2/NDF:531142.9/21

Out: 1278.528+/-0.248 χ^2/NDF:409053.9/26

All: 1295.753+/-0.182 χ^2/NDF: 950533.0/48

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: -2205.955+/-1403.445 χ^2/NDF:7.2/7

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -550.568+/-1670.988 χ^2/NDF:1.5/5

Left: -1521.234+/-1074.683 χ^2/NDF: 9.3/13

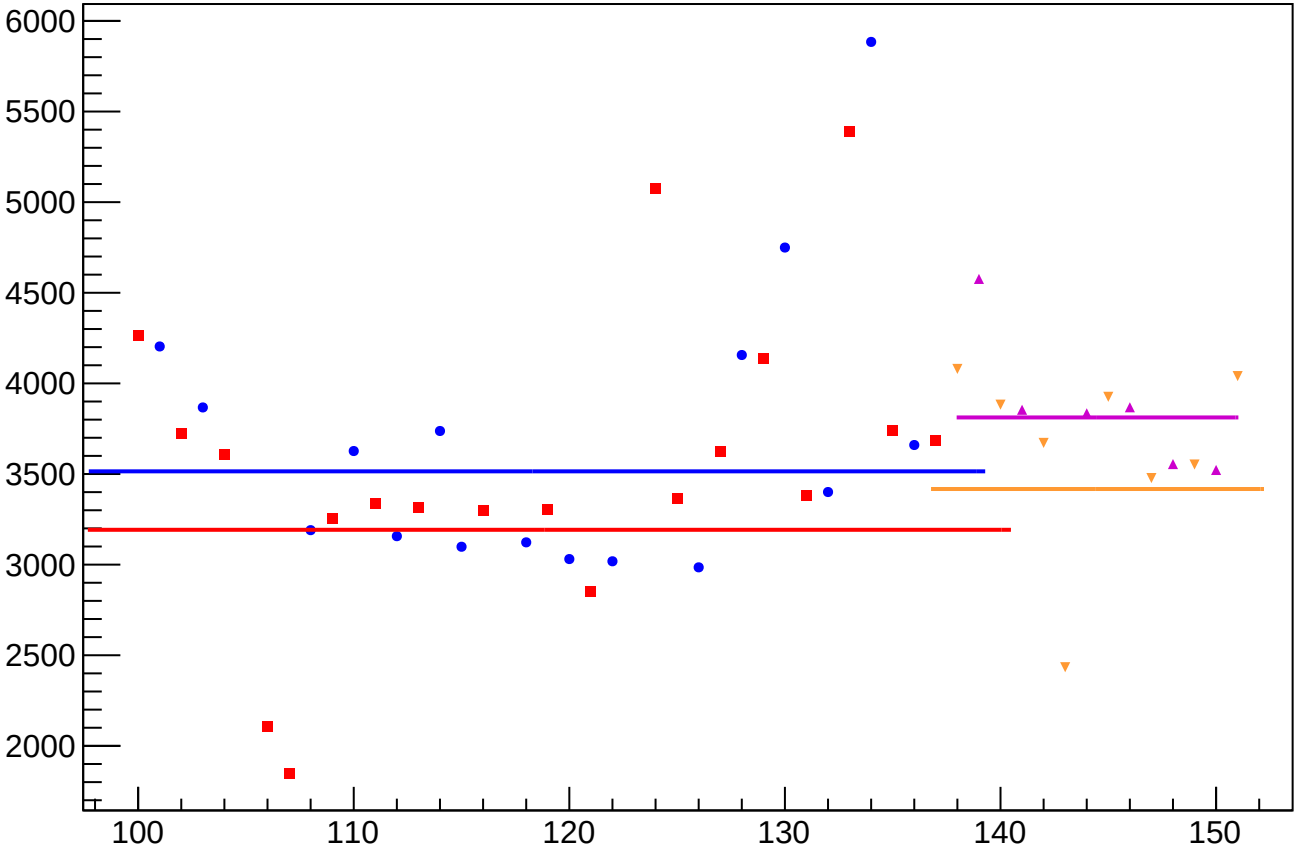
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 329.010+/-1039.368 χ^2/NDF:16.1/21

Out: -919.707+/-912.062 χ^2/NDF:25.4/26

All: -376.466+/-685.541 χ^2/NDF: 42.3/48

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3417.290+/-0.992 χ^2/NDF:402928.5/7

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3812.116+/-1.182 χ^2/NDF:68525.5/5

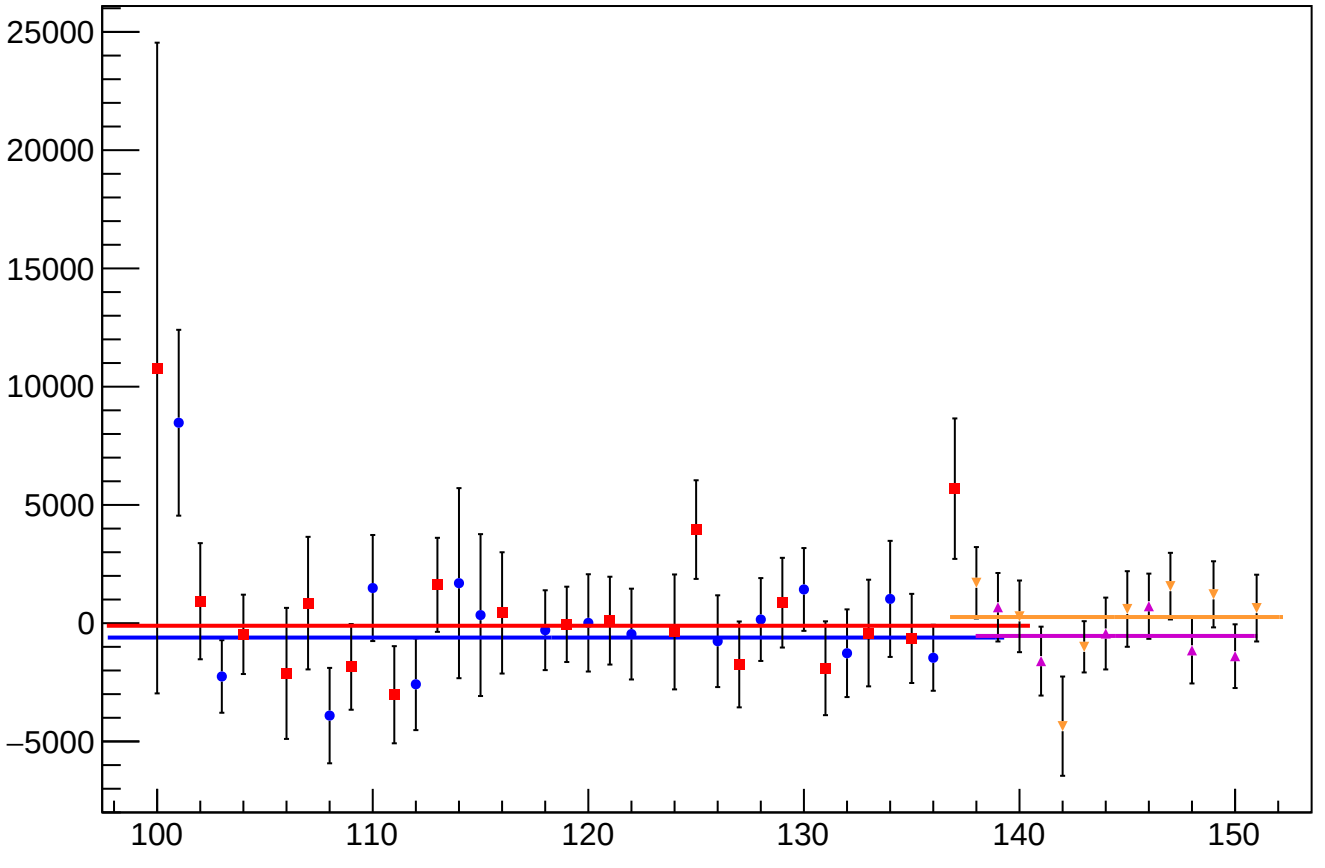
Left: 3580.603+/-0.760 χ^2/NDF: 536927.3/13

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3629.796+/-0.735 χ^2/NDF:482438.4/21

Out: 3287.266+/-0.645 χ^2/NDF:1205141.9/26

All: 3436.280+/-0.485 χ^2/NDF: 1810298.4/48



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 260.521+/-508.892 χ^2/NDF:8.6/7

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -539.145+/-580.336 χ^2/NDF:2.7/5

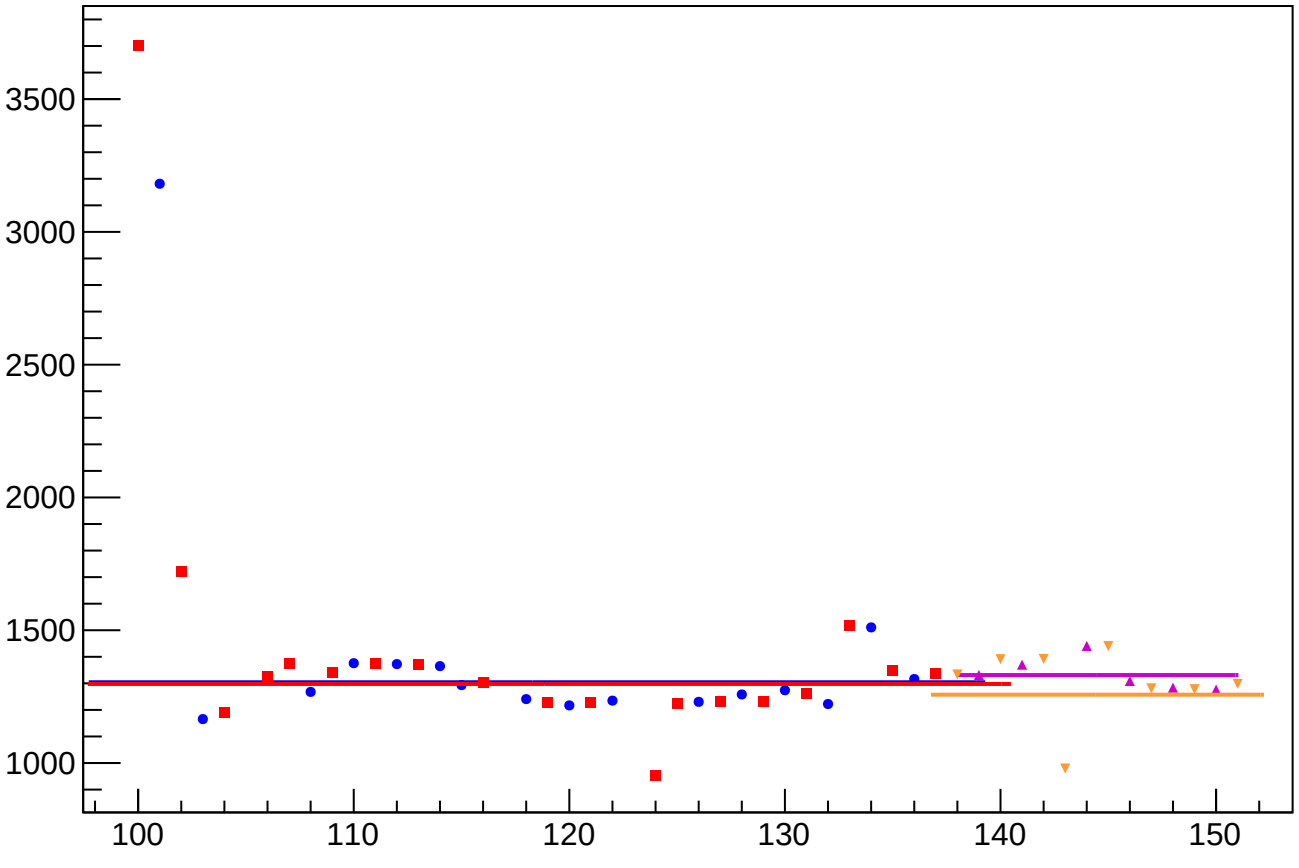
Left: -87.086+/-382.621 χ^2/NDF: 12.3/13

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -578.962+/-376.250 χ^2/NDF:16.8/21

Out: 67.292+/-351.299 χ^2/NDF:23.7/26

All: -233.698+/-256.774 χ^2/NDF: 42.1/48



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1257.333+/-0.360 χ^2/NDF:189333.5/7

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1331.284+/-0.410 χ^2/NDF:18010.5/5

Left: 1289.479+/-0.271 χ^2/NDF: 225702.7/13

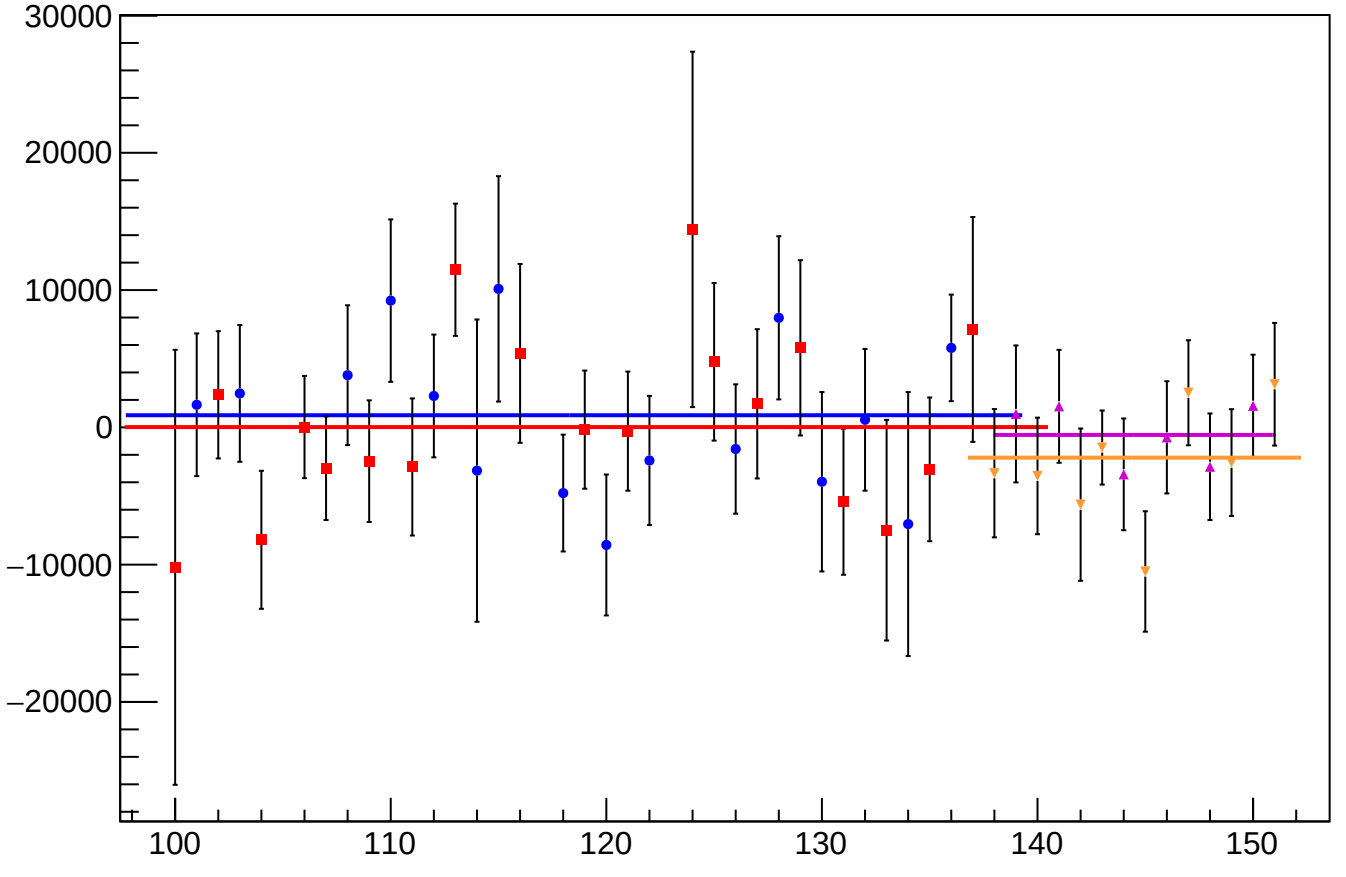
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.528+/-0.266 χ^2/NDF:531143.4/21

Out: 1278.529+/-0.248 χ^2/NDF:409053.9/26

All: 1295.754+/-0.182 χ^2/NDF: 950533.4/48

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: -2205.954+/-1403.447 χ^2/NDF:7.2/7

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -550.566+/-1670.990 χ^2/NDF:1.5/5

Left: -1521.232+/-1074.685 χ^2/NDF: 9.3/13

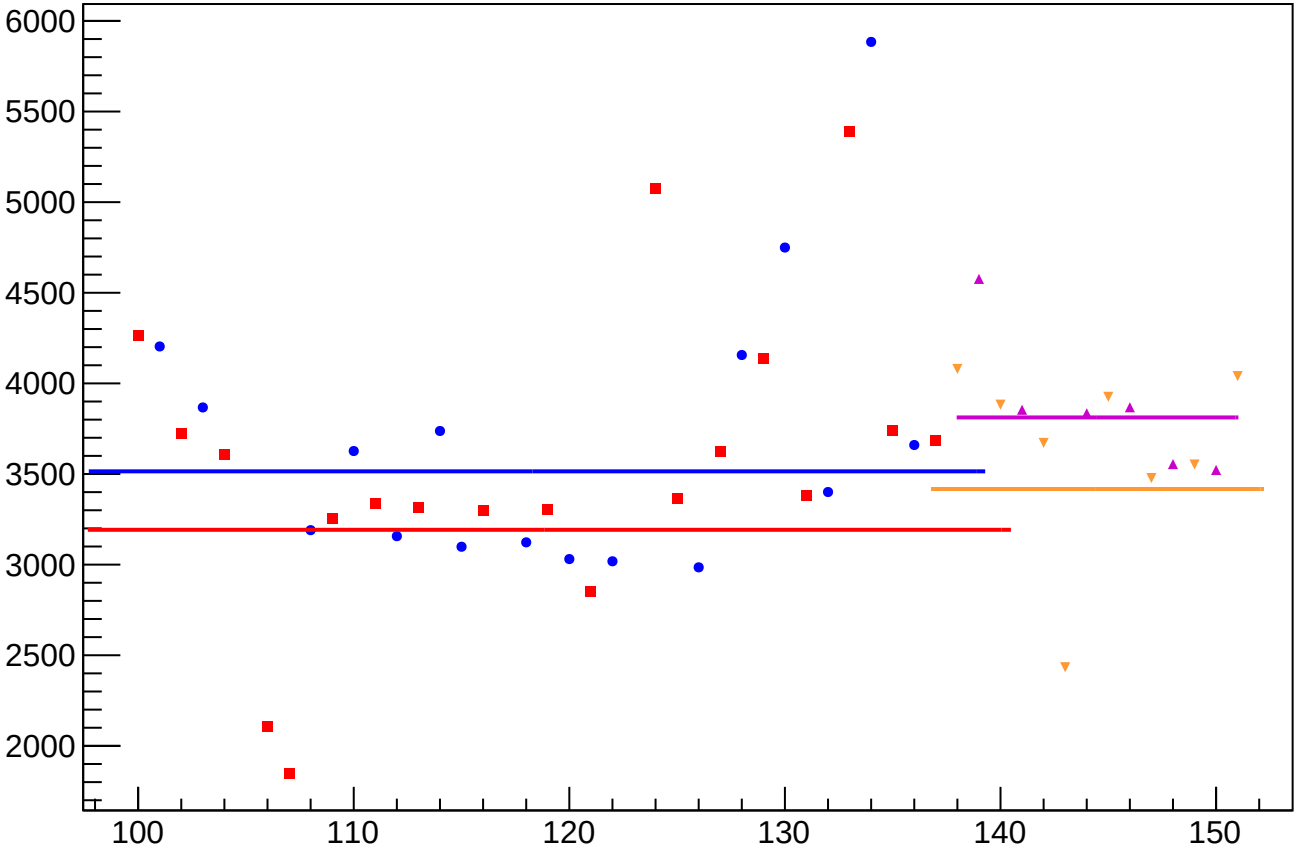
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 329.006+/-1039.367 χ^2/NDF:16.1/21

Out: -919.705+/-912.061 χ^2/NDF:25.4/26

All: -376.466+/-685.541 χ^2/NDF: 42.3/48

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: 3417.295+/-0.992 χ^2/NDF:402928.8/7

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3812.121+/-1.182 χ^2/NDF:68526.6/5

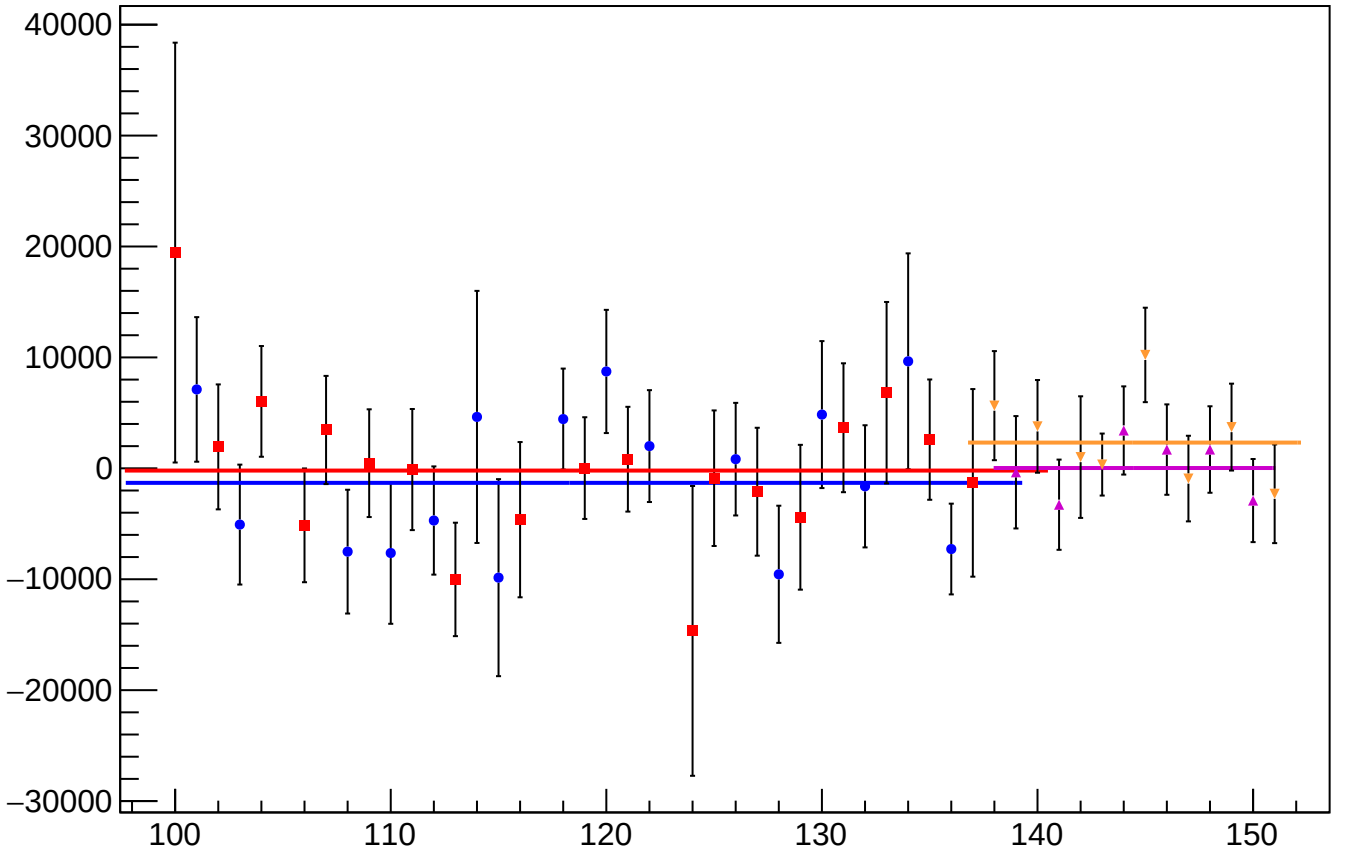
Left: 3580.608+/-0.760 χ^2/NDF: 536928.5/13

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3629.792+/-0.735 χ^2/NDF:482447.3/21

Out: 3287.263+/-0.645 χ^2/NDF:1205147.7/26

All: 3436.277+/-0.485 χ^2/NDF: 1810312.5/48



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2321.366+/-1417.221 χ^2/NDF:6.5/7

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 27.820+/-1666.900 χ^2/NDF:2.4/5

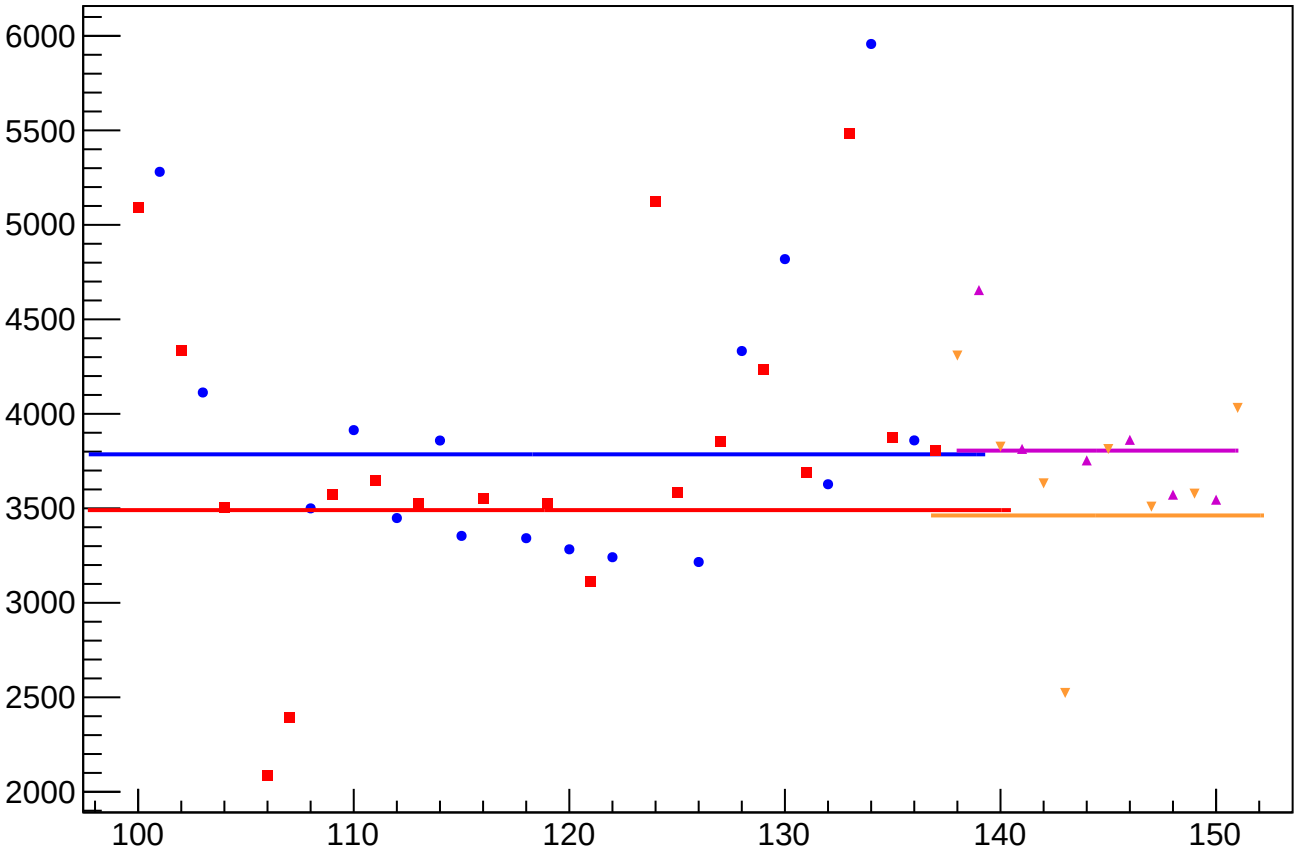
Left: 1359.061+/-1079.723 χ^2/NDF: 9.9/13

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -741.716+/-1086.051 χ^2/NDF:20.3/21

Out: 985.581+/-972.165 χ^2/NDF:19.8/26

All: 217.217+/-724.353 χ^2/NDF: 41.5/48



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3462.341+/-1.002 χ^2/NDF:350486.3/7

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3805.447+/-1.179 χ^2/NDF:73749.7/5

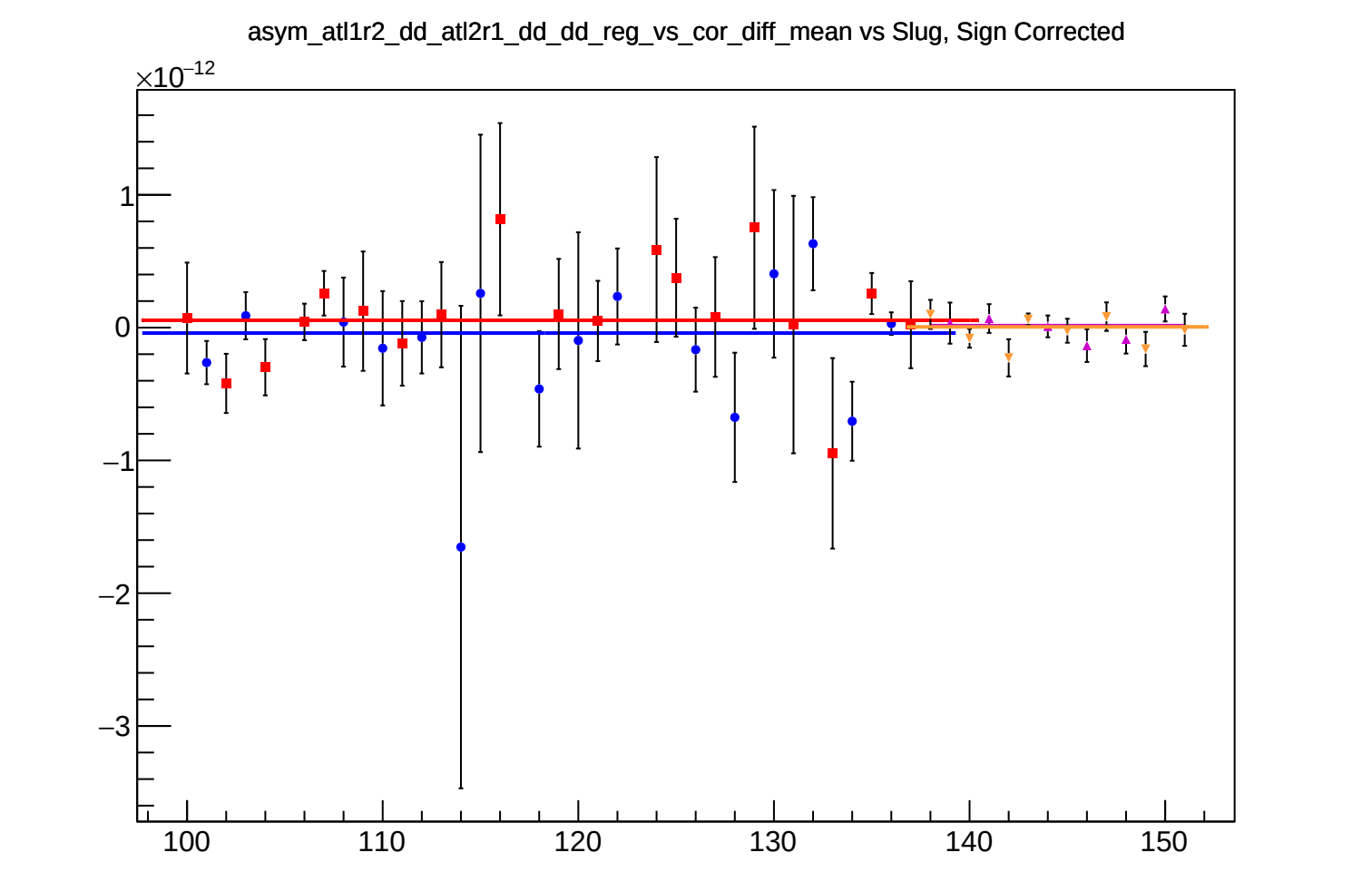
Left: 3606.298+/-0.763 χ^2/NDF: 473419.1/13

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3794.125+/-0.768 χ^2/NDF:456902.9/21

Out: 3477.503+/-0.682 χ^2/NDF:937628.2/26

All: 3617.206+/-0.510 χ^2/NDF: 1489514.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/5

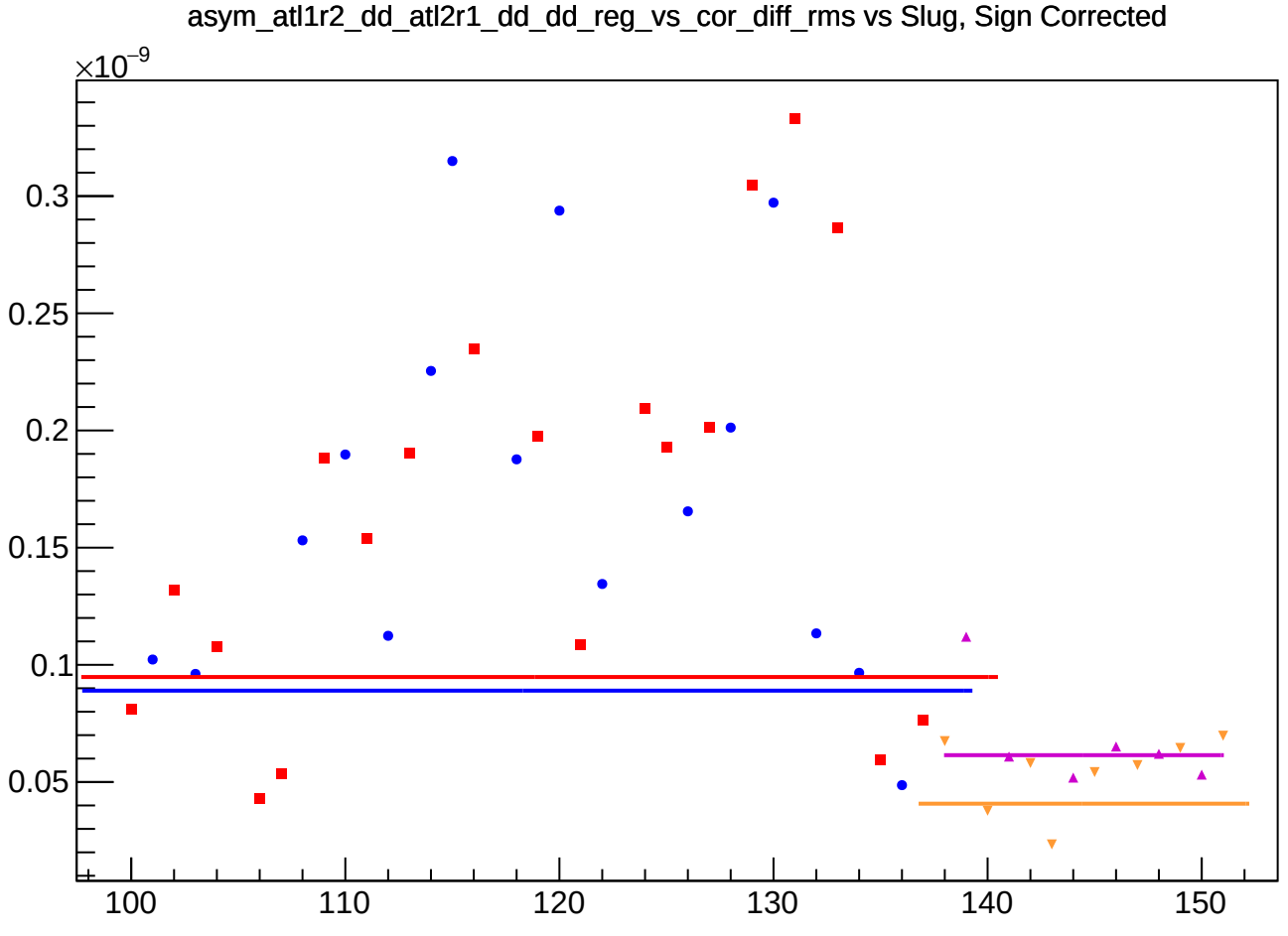
Left: 0.000+/-0.000 χ^2/NDF: 13.5/13

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:21.7/21

Out: 0.000+/-0.000 χ^2/NDF:25.4/26

All: 0.000+/-0.000 χ^2/NDF: 47.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:740129.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:257986.9/5

Left: 0.000+/-0.000 χ^2/NDF: 1316729.3/13

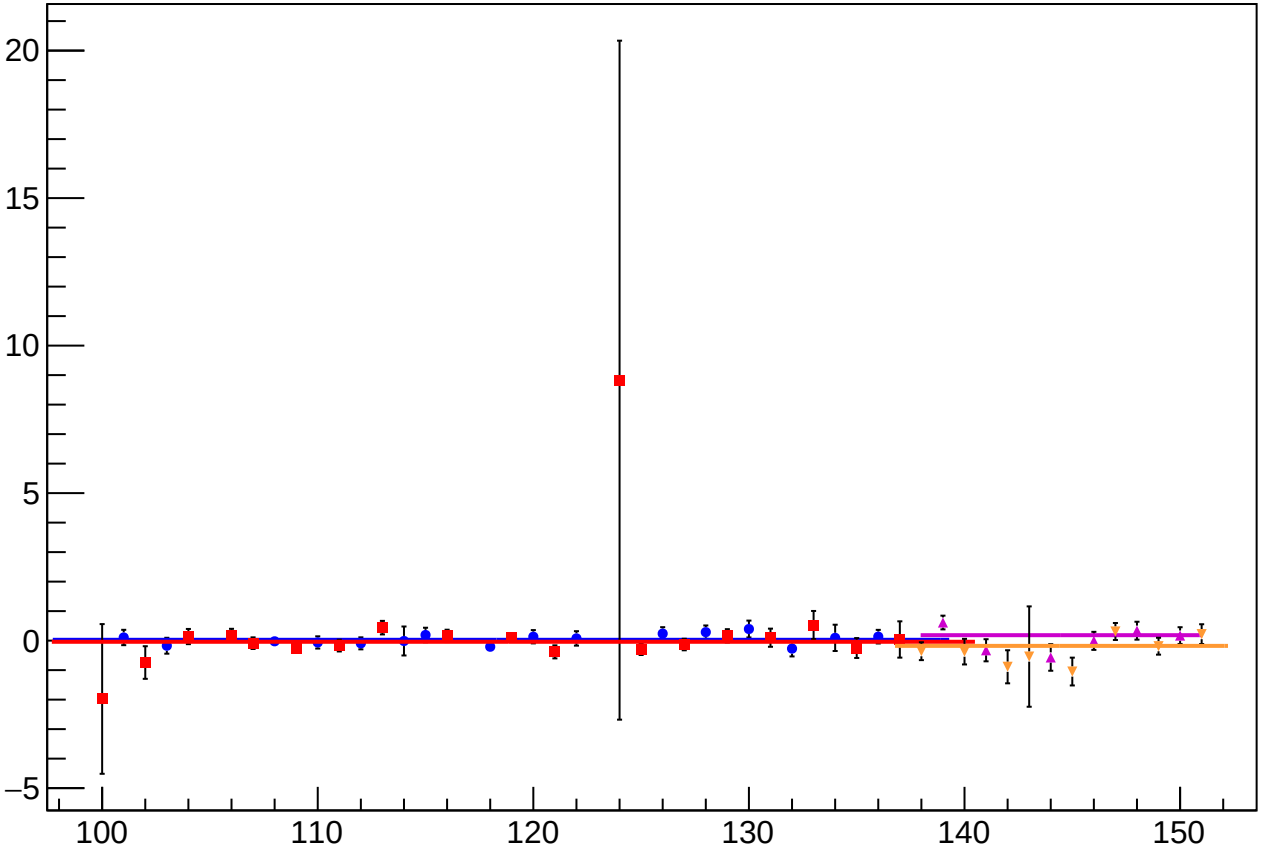
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2003084.3/21

Out: 0.000+/-0.000 χ^2/NDF:3659125.2/26

All: 0.000+/-0.000 χ^2/NDF: 6126519.3/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

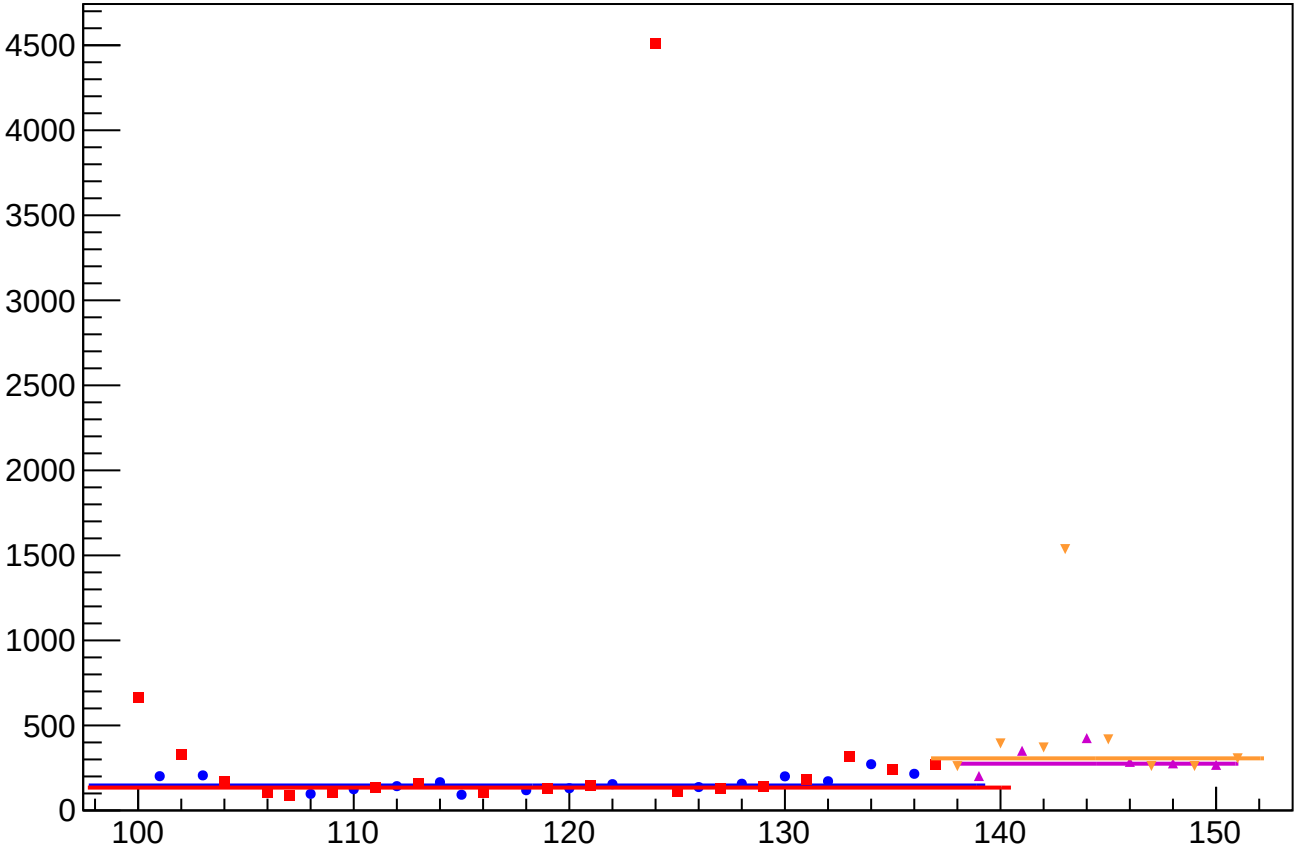
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.407+/-0.093 χ^2/NDF:1411618.5/7

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

Left: 289.795+/-0.064 χ^2/NDF: 1975112.6/13

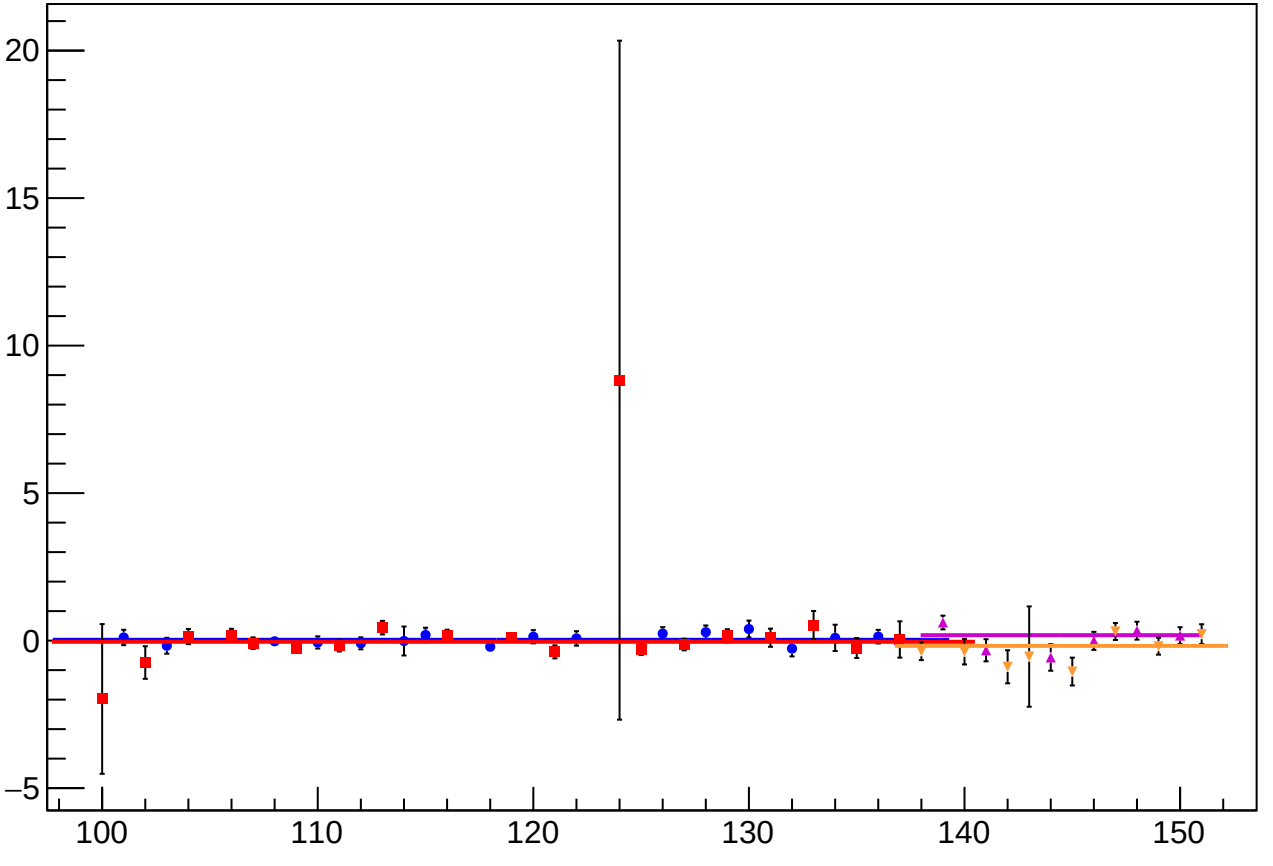
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 169.486+/-0.037 χ^2/NDF:3246465.4/21

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

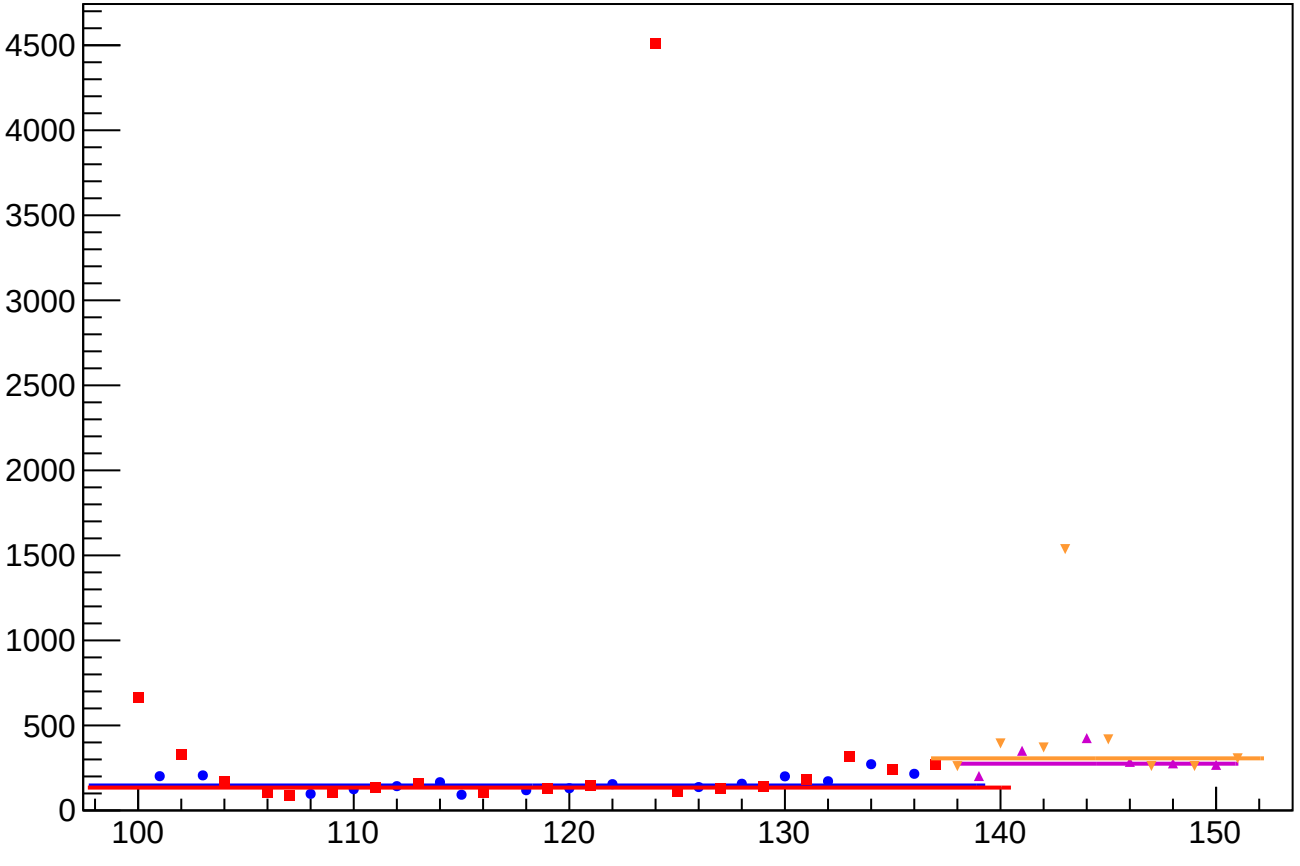
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.407+/-0.093 χ^2/NDF:1411618.5/7

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 274.992+/-0.088 χ^2/NDF:503505.9/5

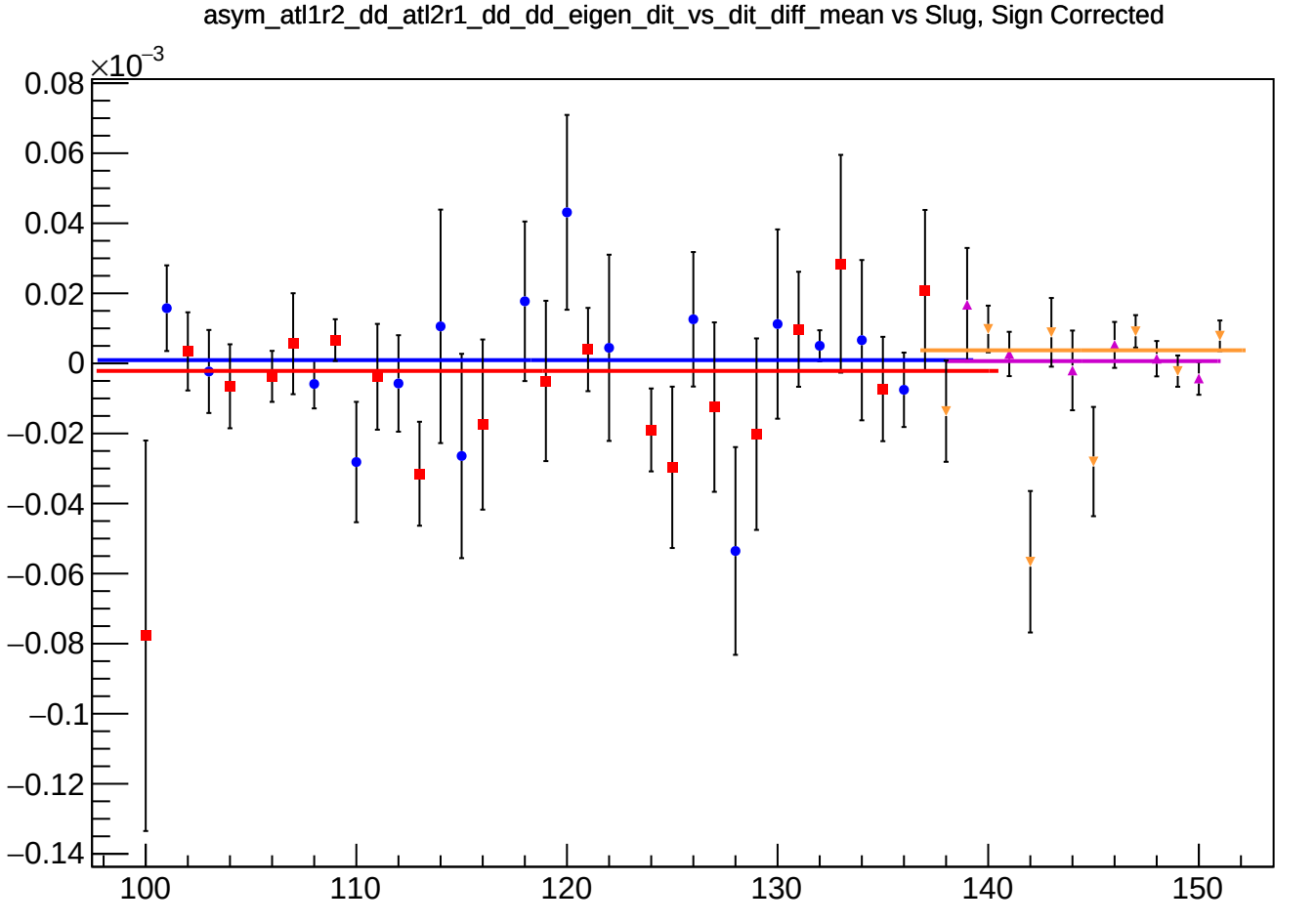
Left: 289.795+/-0.064 χ^2/NDF: 1975112.6/13

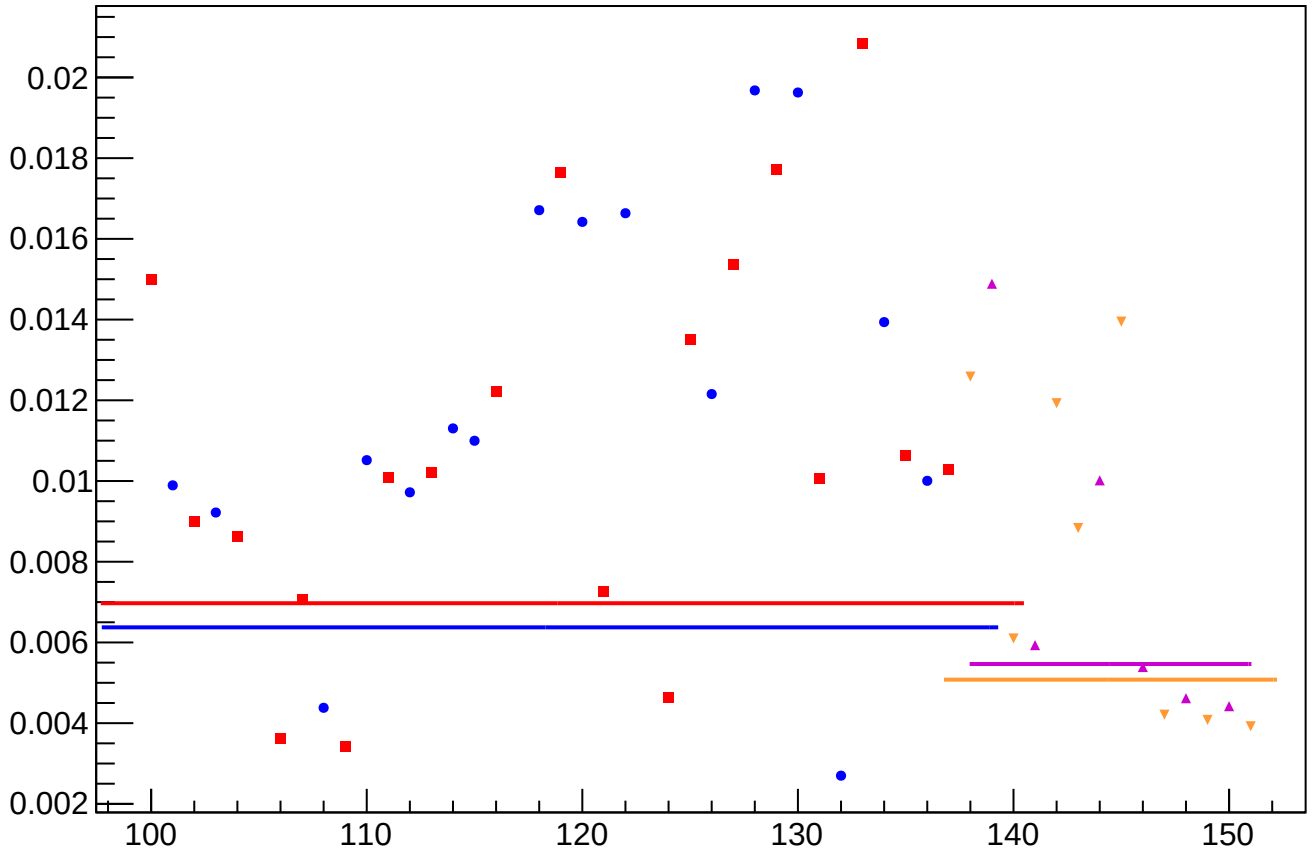
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 169.486+/-0.037 χ^2/NDF:3246465.4/21

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 164.473+/-0.026 χ^2/NDF: 9197143.7/48


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:19.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:2.8/5
Left: 0.000+/-0.000 χ²/NDF: 23.2/13
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:17.6/21
Out: 0.000+/-0.000 χ²/NDF:38.2/26
All: 0.000+/-0.000 χ²/NDF: 55.9/48



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2067666.8/7

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1164361.1/5

Left: 0.005+/-0.000 χ^2/NDF: 3256868.5/13

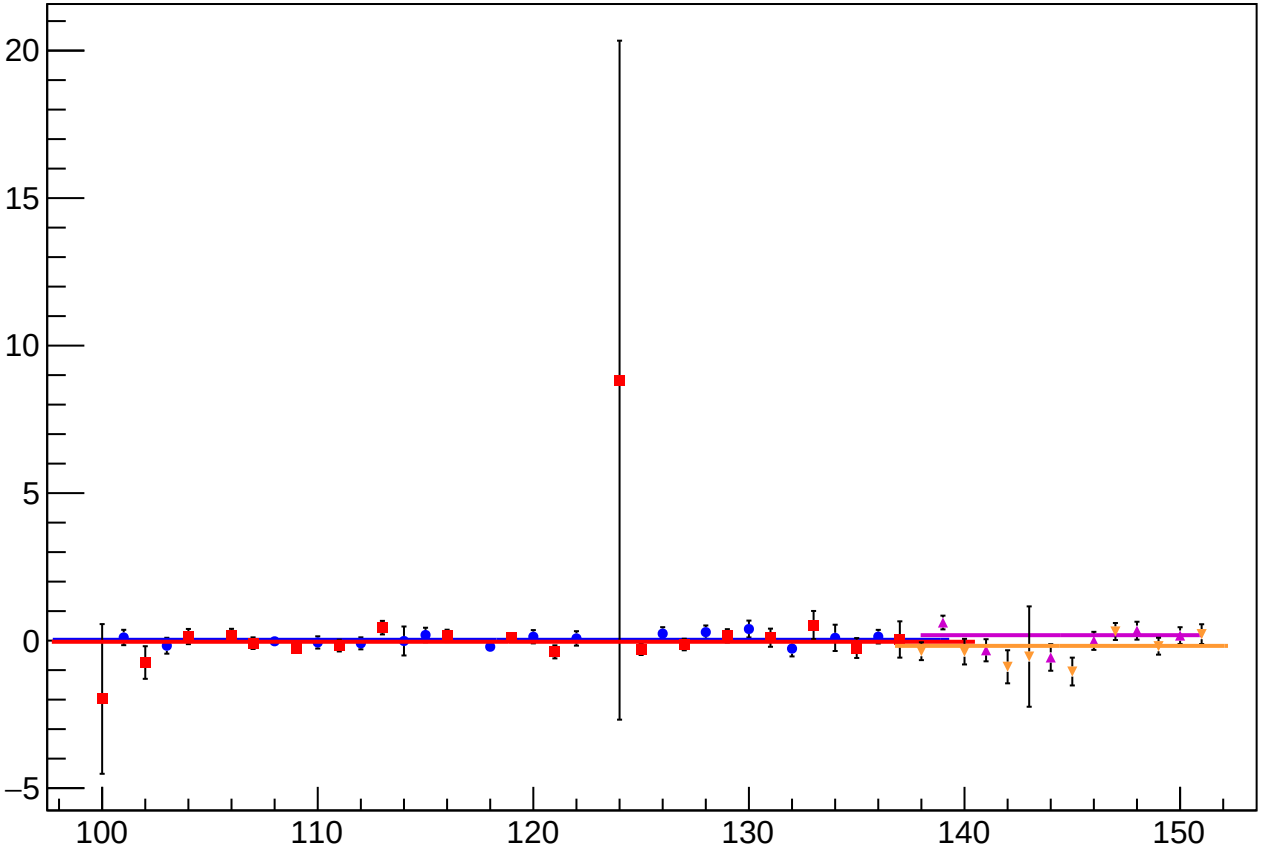
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:5910819.3/21

Out: 0.006+/-0.000 χ^2/NDF:5980677.1/26

All: 0.006+/-0.000 χ^2/NDF: 11894675.5/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

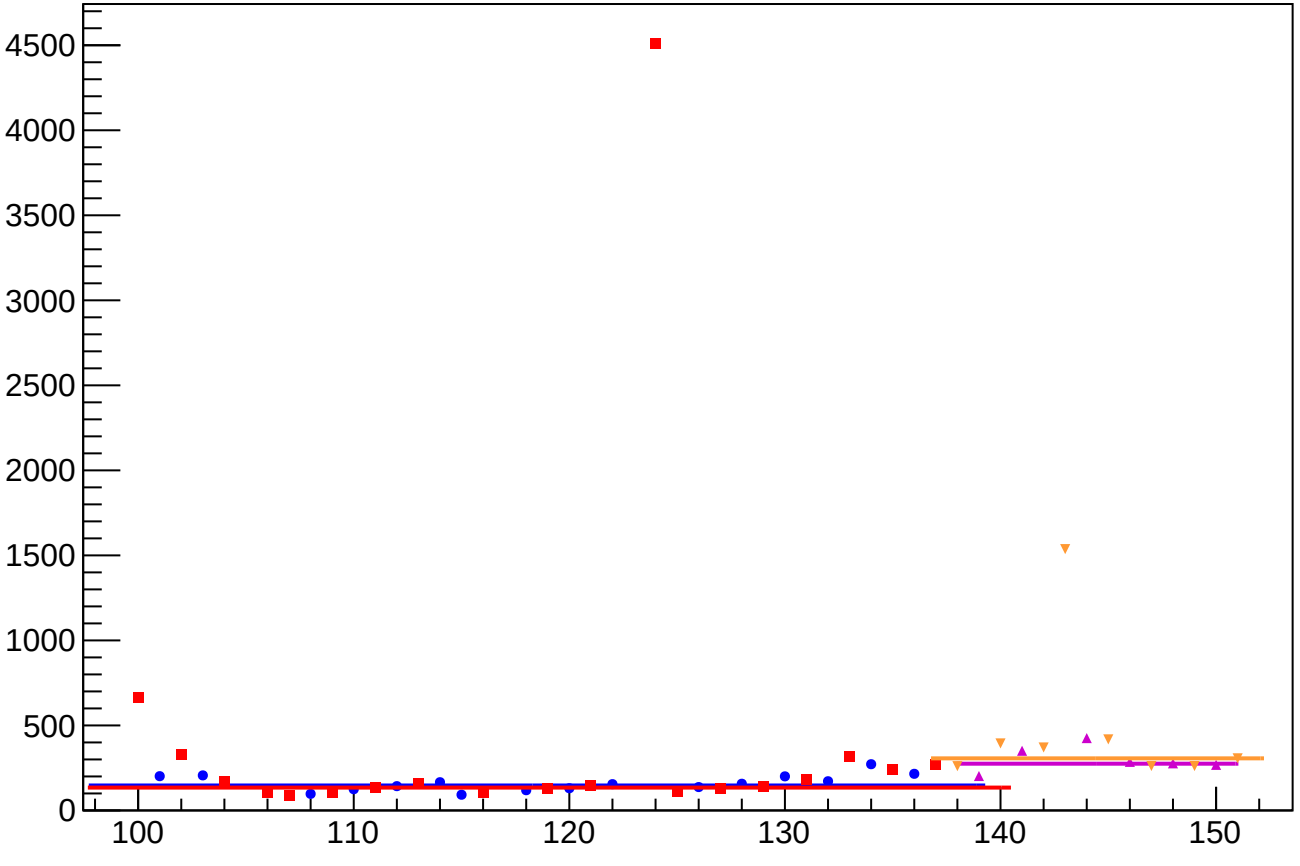
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

Left: 289.799+/-0.064 χ^2/NDF: 1975088.9/13

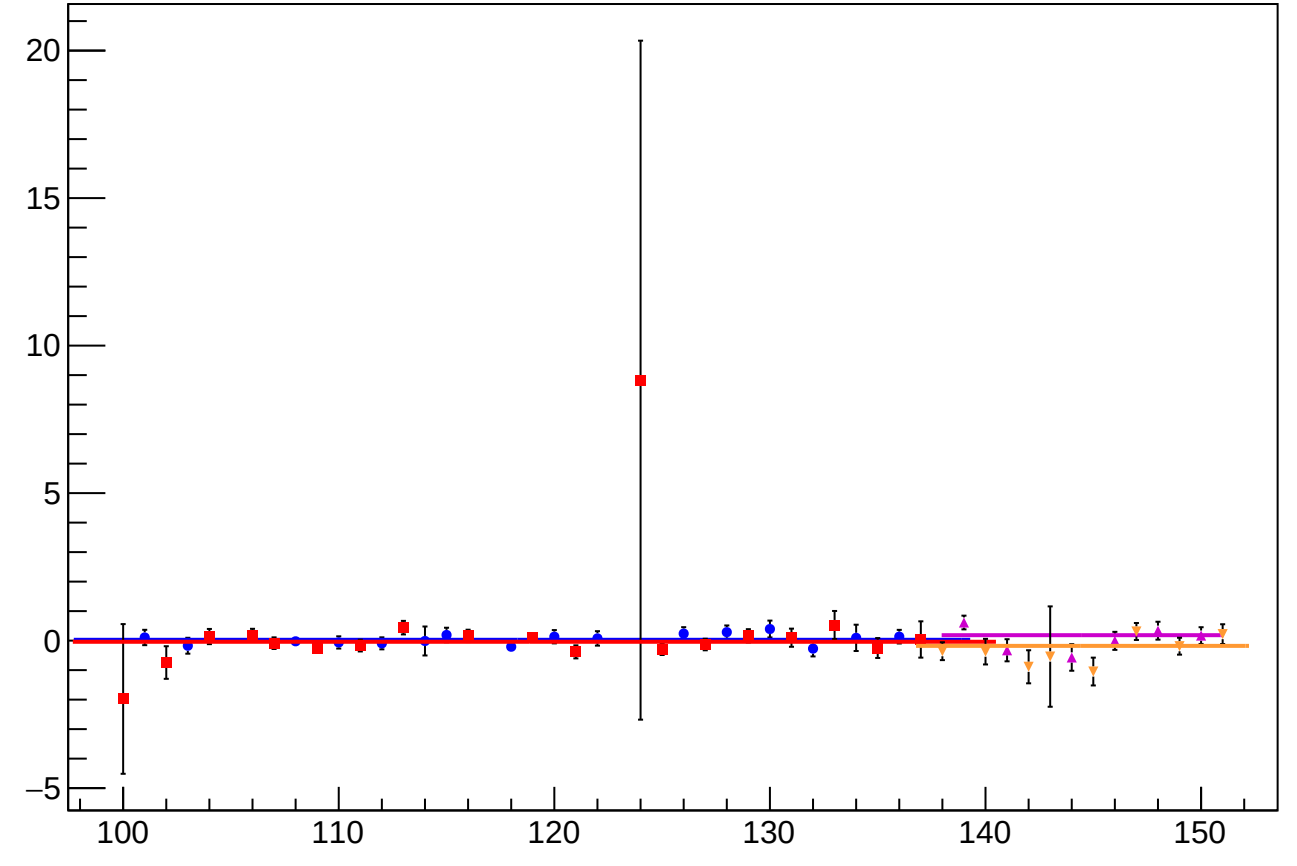
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 169.486+/-0.037 χ^2/NDF:3246460.9/21

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48

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: -0.178+/-0.132 χ^2/NDF:9.9/7

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.184+/-0.125 χ^2/NDF:8.7/5

Left: 0.014+/-0.091 χ^2/NDF: 22.6/13

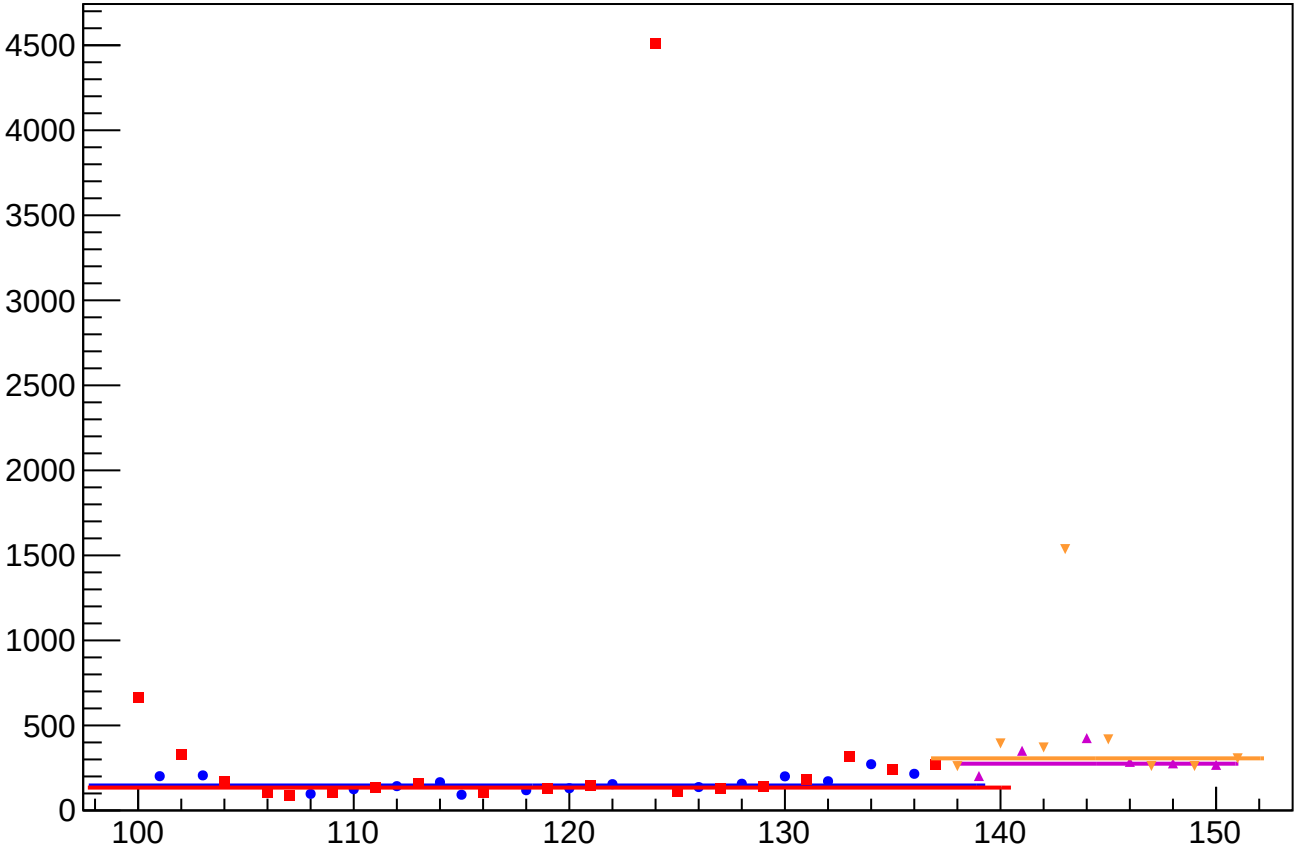
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.056+/-0.052 χ^2/NDF:19.5/21

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.004+/-0.036 χ^2/NDF: 52.8/48

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: 306.410+/-0.093 χ^2/NDF:1411617.0/7

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 274.996+/-0.088 χ^2/NDF:503488.5/5

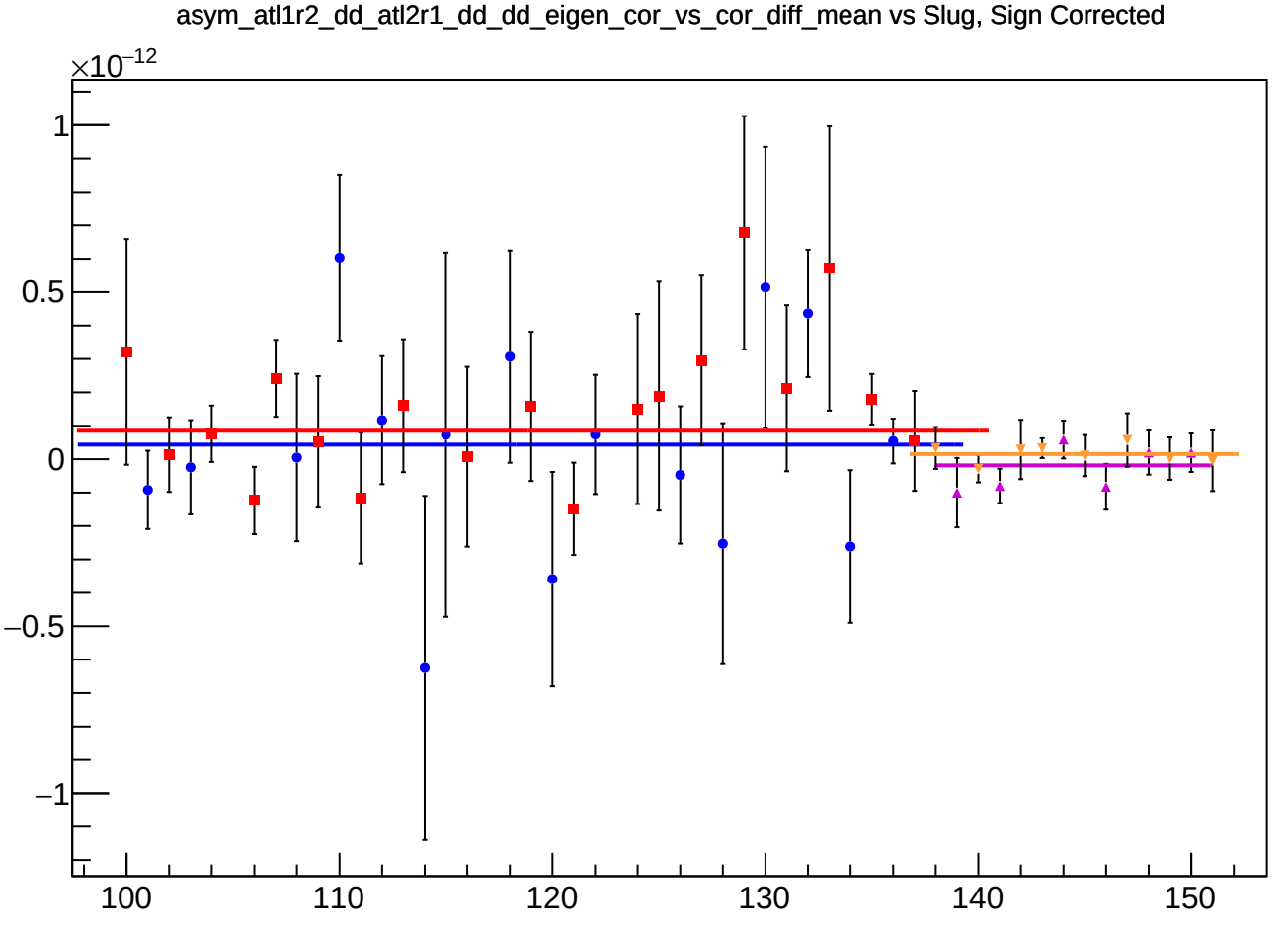
Left: 289.799+/-0.064 χ^2/NDF: 1975088.9/13

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 169.486+/-0.037 χ^2/NDF:3246460.9/21

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 164.474+/-0.026 χ^2/NDF: 9197062.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/5

Left: 0.000+/-0.000 χ^2/NDF: 8.7/13

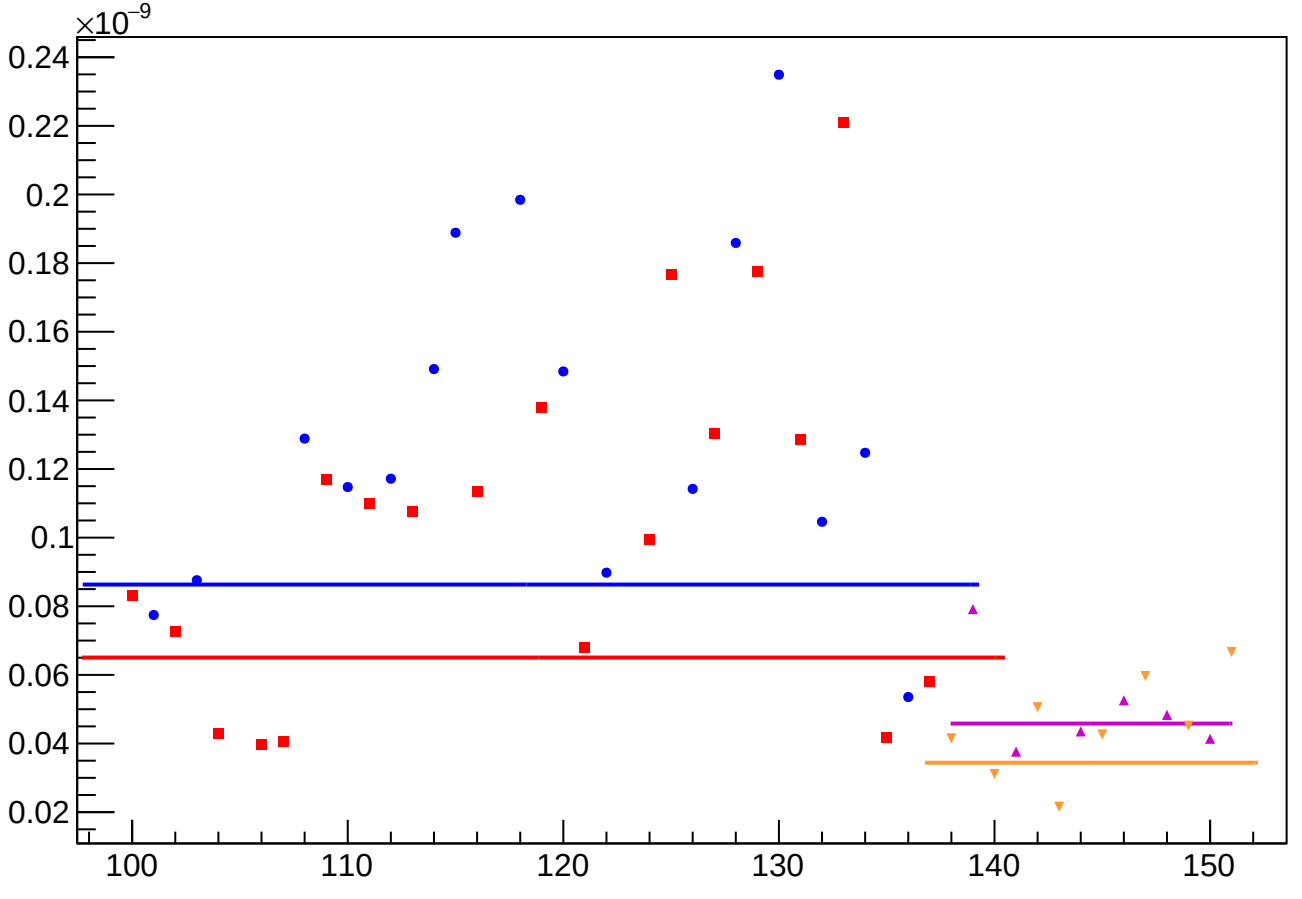
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.1/21

Out: 0.000+/-0.000 χ^2/NDF:23.4/26

All: 0.000+/-0.000 χ^2/NDF: 51.0/48

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:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:294185.6/5

Left: 0.000+/-0.000 χ^2/NDF: 1580256.6/13

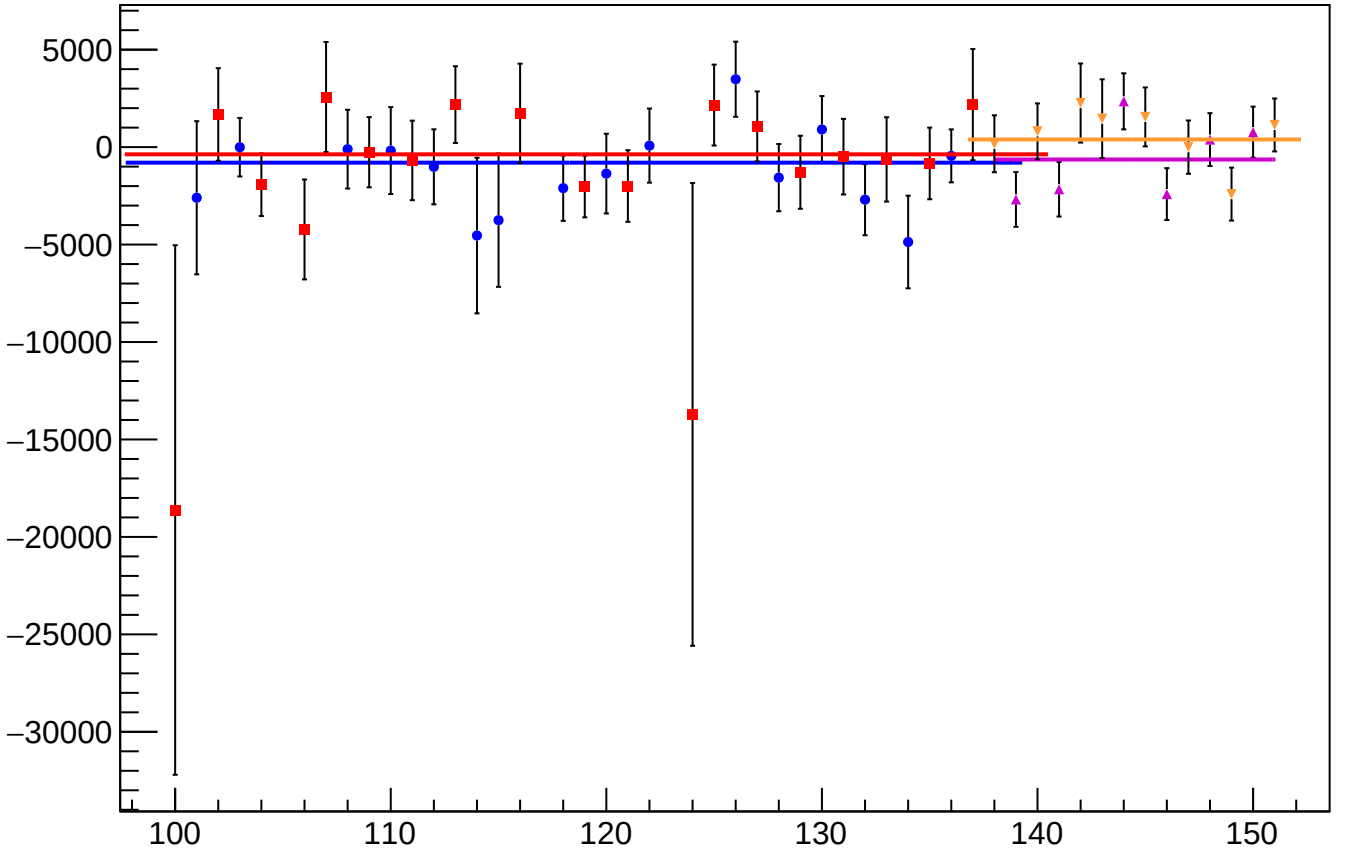
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3181917.9/21

Out: 0.000+/-0.000 χ^2/NDF:4423556.7/26

All: 0.000+/-0.000 χ^2/NDF: 8219396.9/48

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 392.348+/-534.468 χ^2/NDF:6.5/7

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -635.802+/-559.690 χ^2/NDF:11.1/5

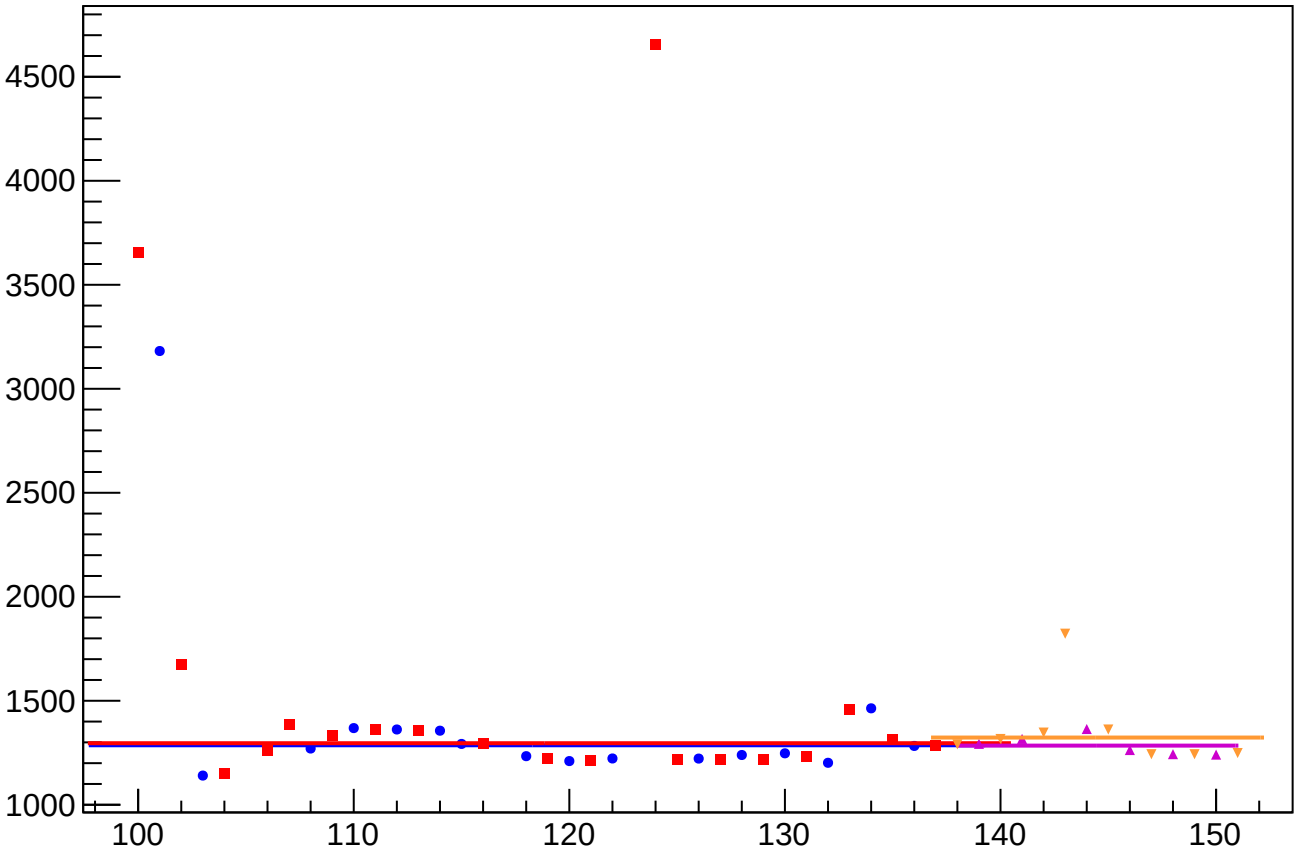
Left: -98.039+/-386.535 χ^2/NDF: 19.3/13

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -727.630+/-367.586 χ^2/NDF:24.6/21

Out: -25.094+/-359.500 χ^2/NDF:23.2/26

All: -368.551+/-257.016 χ^2/NDF: 49.6/48



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

Left: 1304.685+/-0.273 χ^2/NDF: 161861.0/13

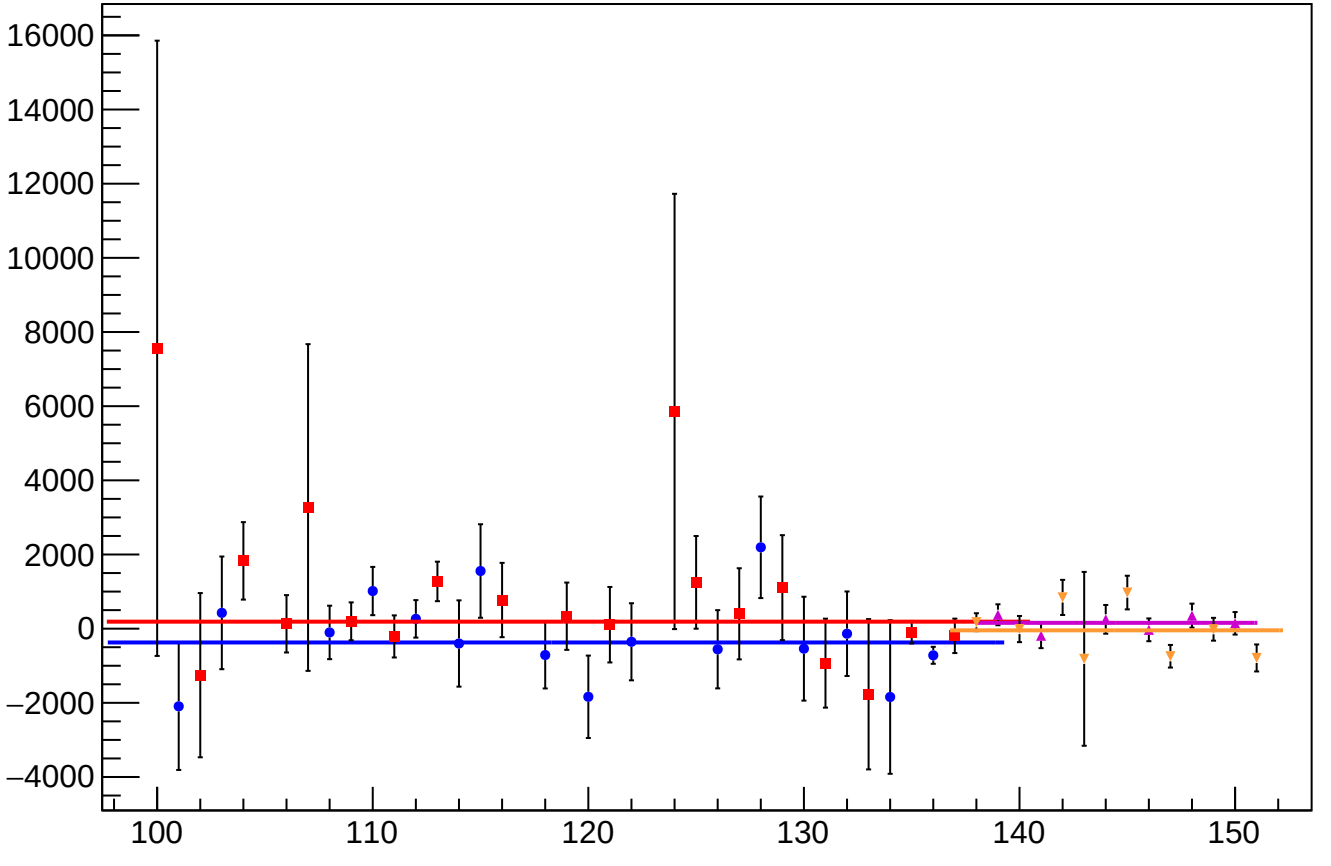
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1285.369+/-0.260 χ^2/NDF:529964.2/21

Out: 1308.263+/-0.254 χ^2/NDF:475928.7/26

All: 1297.071+/-0.182 χ^2/NDF: 1009858.3/48

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: -45.144+/-125.463 χ^2/NDF:18.9/7

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 157.276+/-130.070 χ^2/NDF:2.5/5

Left: 52.417+/-90.300 χ^2/NDF: 22.7/13

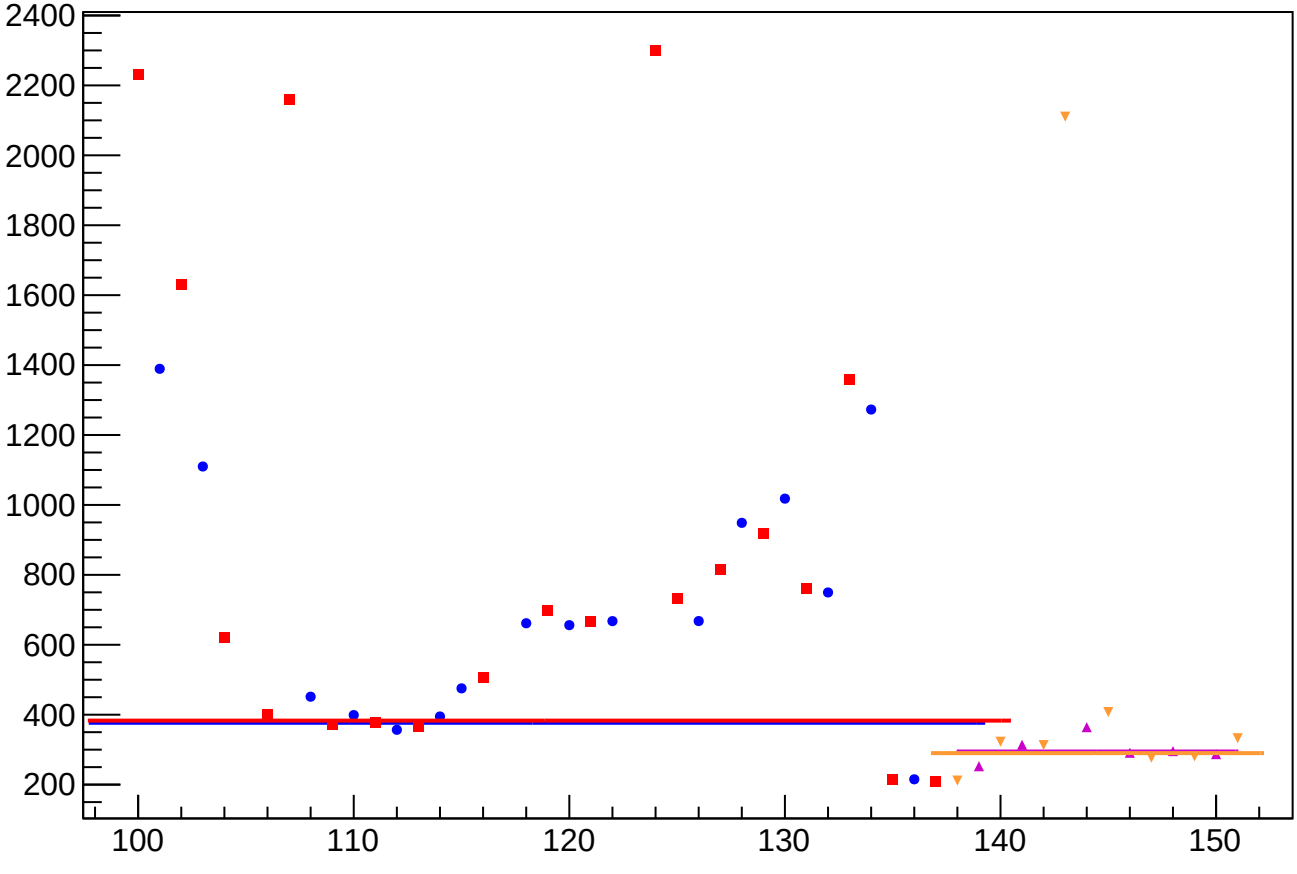
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -40.905+/-102.894 χ^2/NDF:26.8/21

Out: 37.666+/-100.859 χ^2/NDF:34.8/26

All: -0.835+/-72.027 χ^2/NDF: 61.9/48

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: 290.119+/-0.089 χ^2/NDF:1606586.2/7

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 294.720+/-0.092 χ^2/NDF:117258.5/5

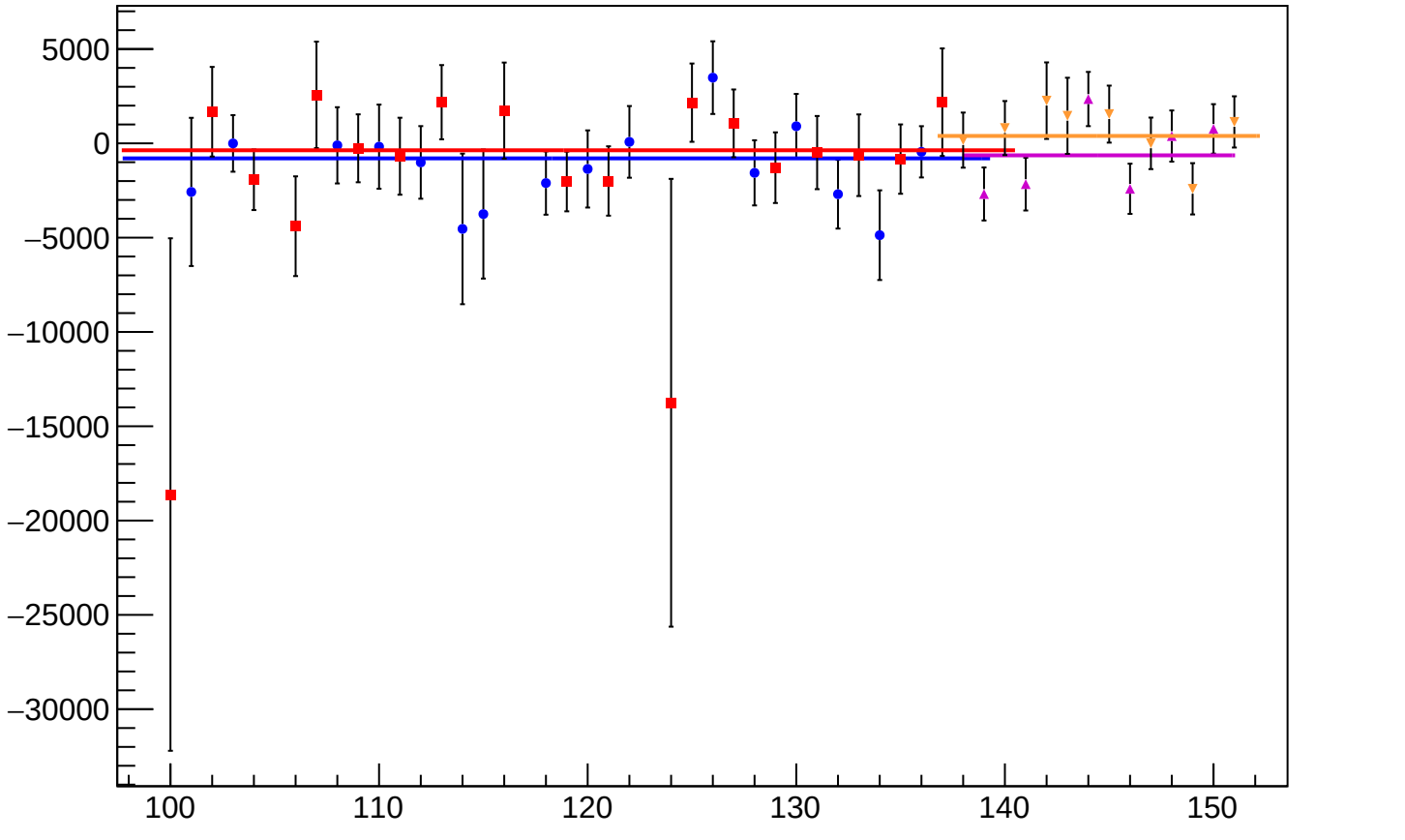
Left: 292.337+/-0.064 χ^2/NDF: 1725140.8/13

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 325.470+/-0.073 χ^2/NDF:4606157.7/21

Out: 323.002+/-0.071 χ^2/NDF:6049074.3/26

All: 324.211+/-0.051 χ^2/NDF: 10655818.4/48



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -635.849+/-559.690 χ^2/NDF:11.1/5

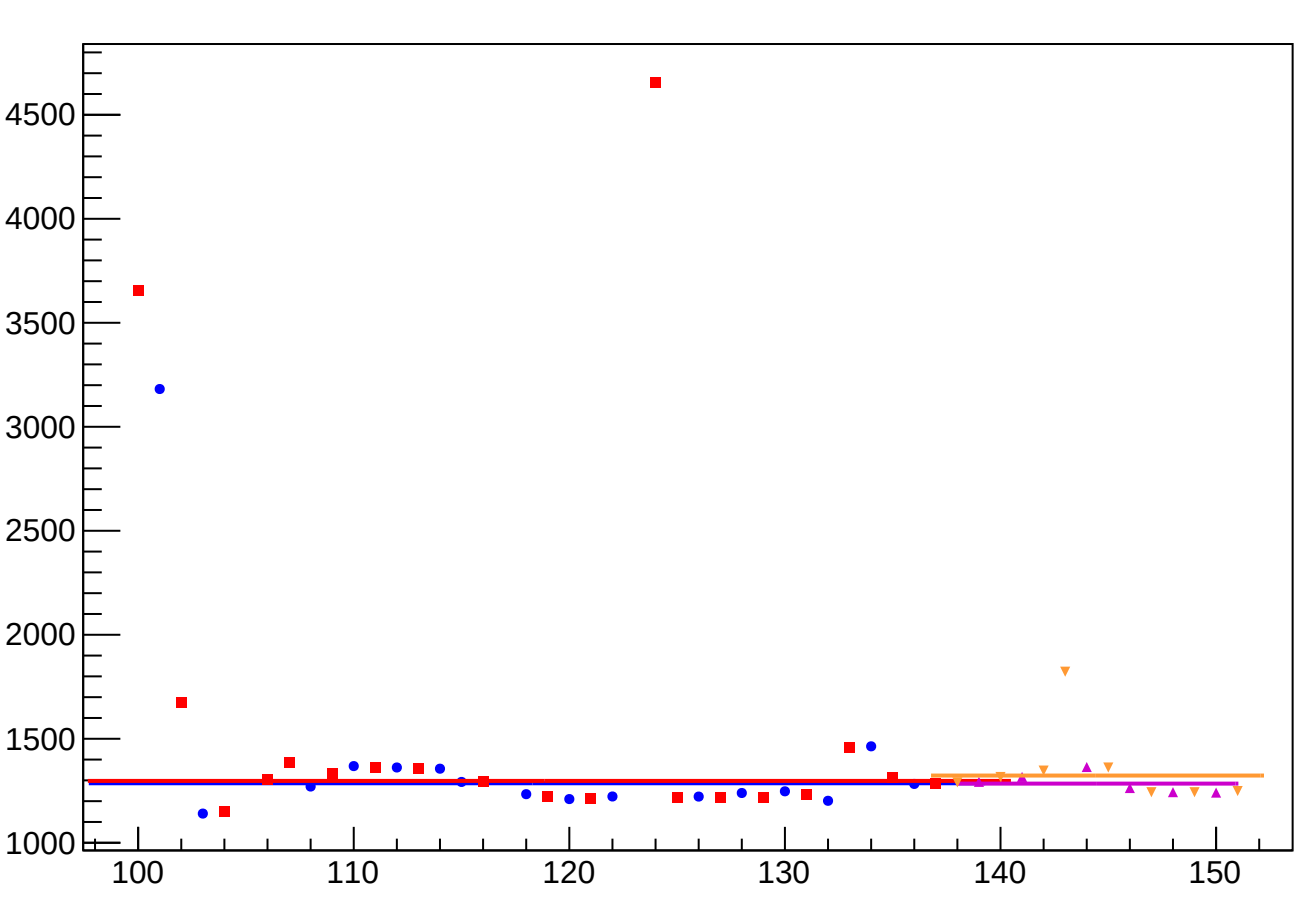
Left: -98.072+/-386.535 χ^2/NDF: 19.3/13

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -727.422+/-367.586 χ^2/NDF:24.6/21

Out: -23.311+/-359.712 χ^2/NDF:23.2/26

All: -367.744+/-257.093 χ^2/NDF: 49.7/48



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

Left: 1304.685+/-0.273 χ^2/NDF: 161861.0/13

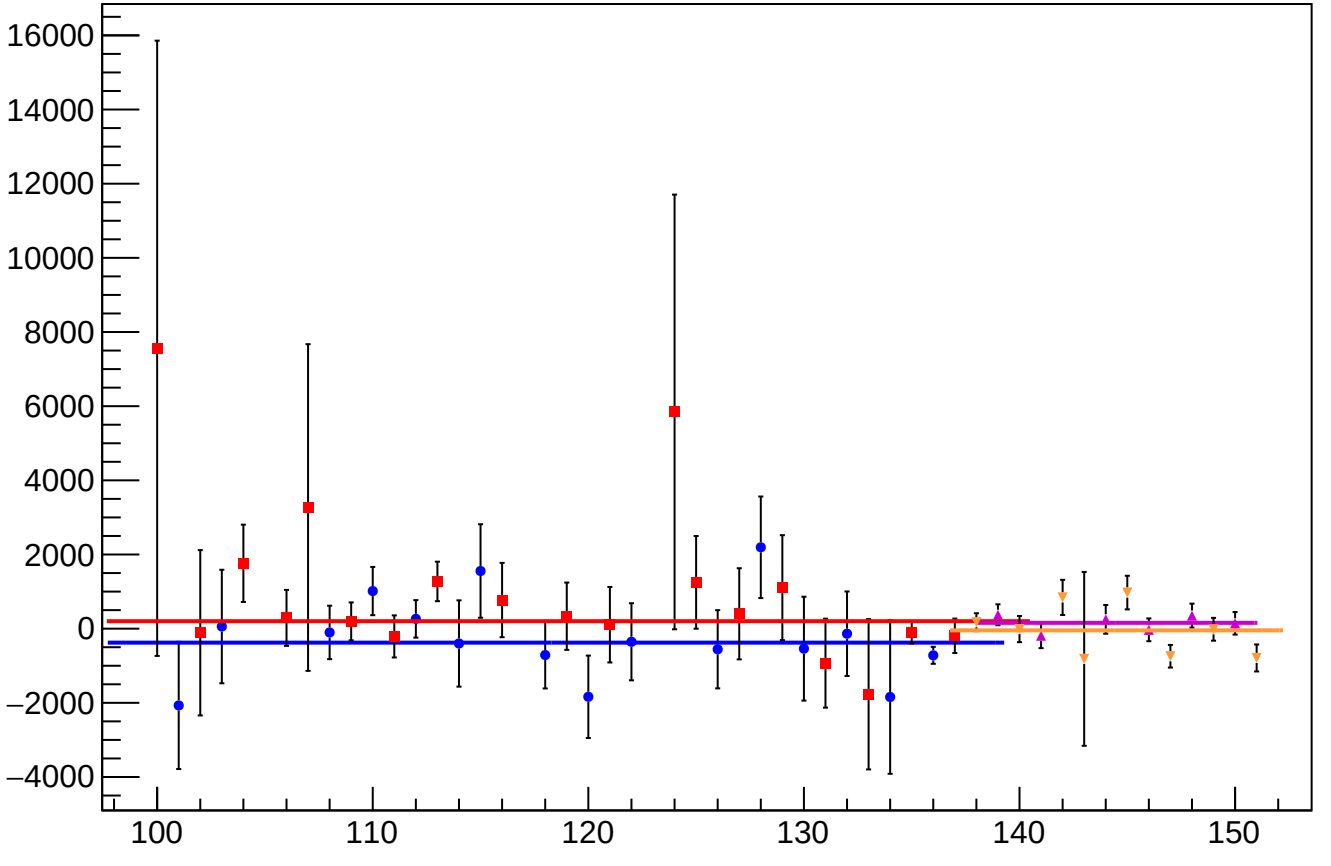
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1285.369+/-0.260 χ^2/NDF:529965.6/21

Out: 1309.072+/-0.254 χ^2/NDF:475303.1/26

All: 1297.477+/-0.182 χ^2/NDF: 1009516.7/48

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: -45.186+/-125.467 χ^2/NDF:18.9/7

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 157.327+/-130.068 χ^2/NDF:2.5/5

Left: 52.425+/-90.301 χ^2/NDF: 22.7/13

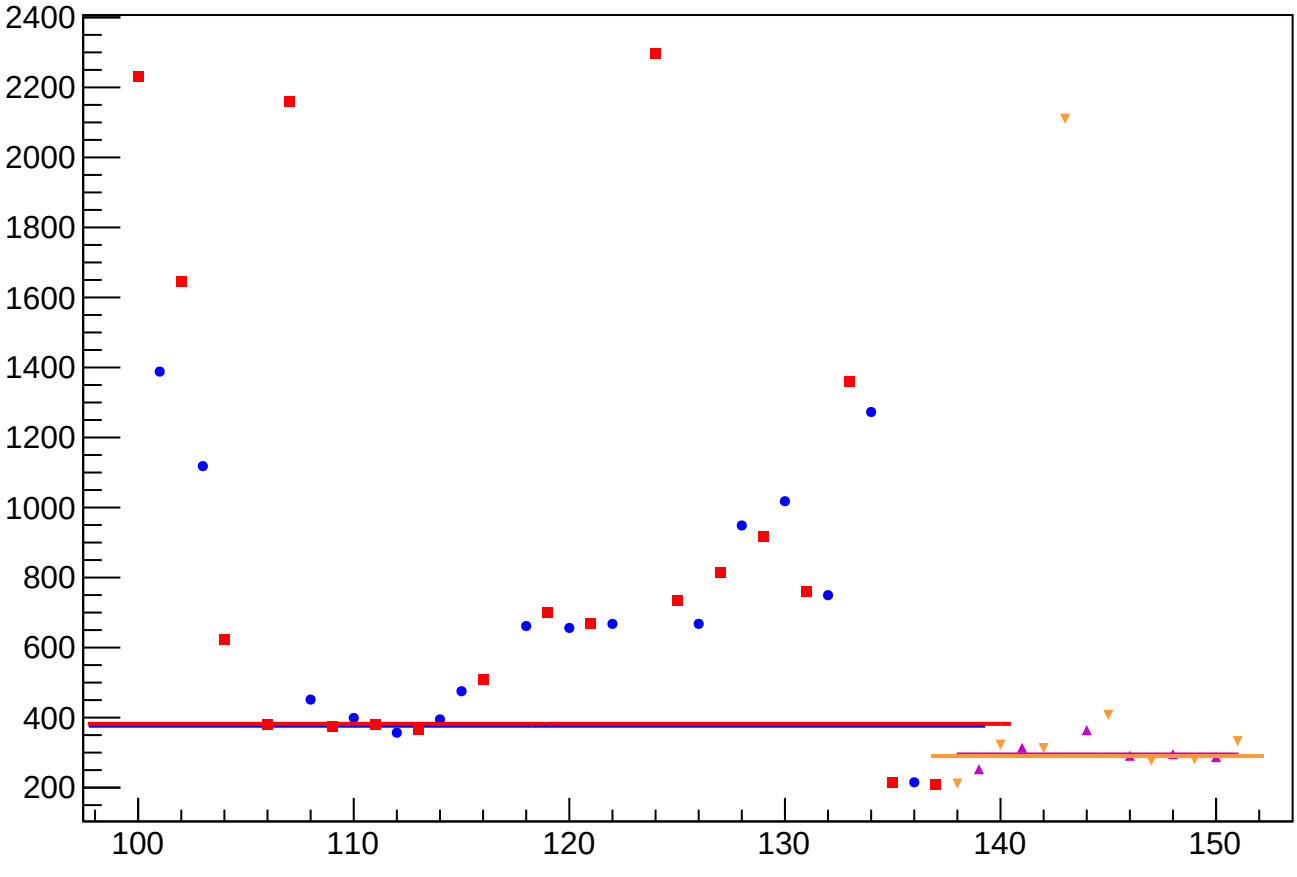
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -42.505+/-102.898 χ^2/NDF:26.7/21

Out: 42.444+/-100.819 χ^2/NDF:34.4/26

All: 0.836+/-72.014 χ^2/NDF: 61.4/48

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: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 294.717+/-0.092 χ^2/NDF:117243.7/5

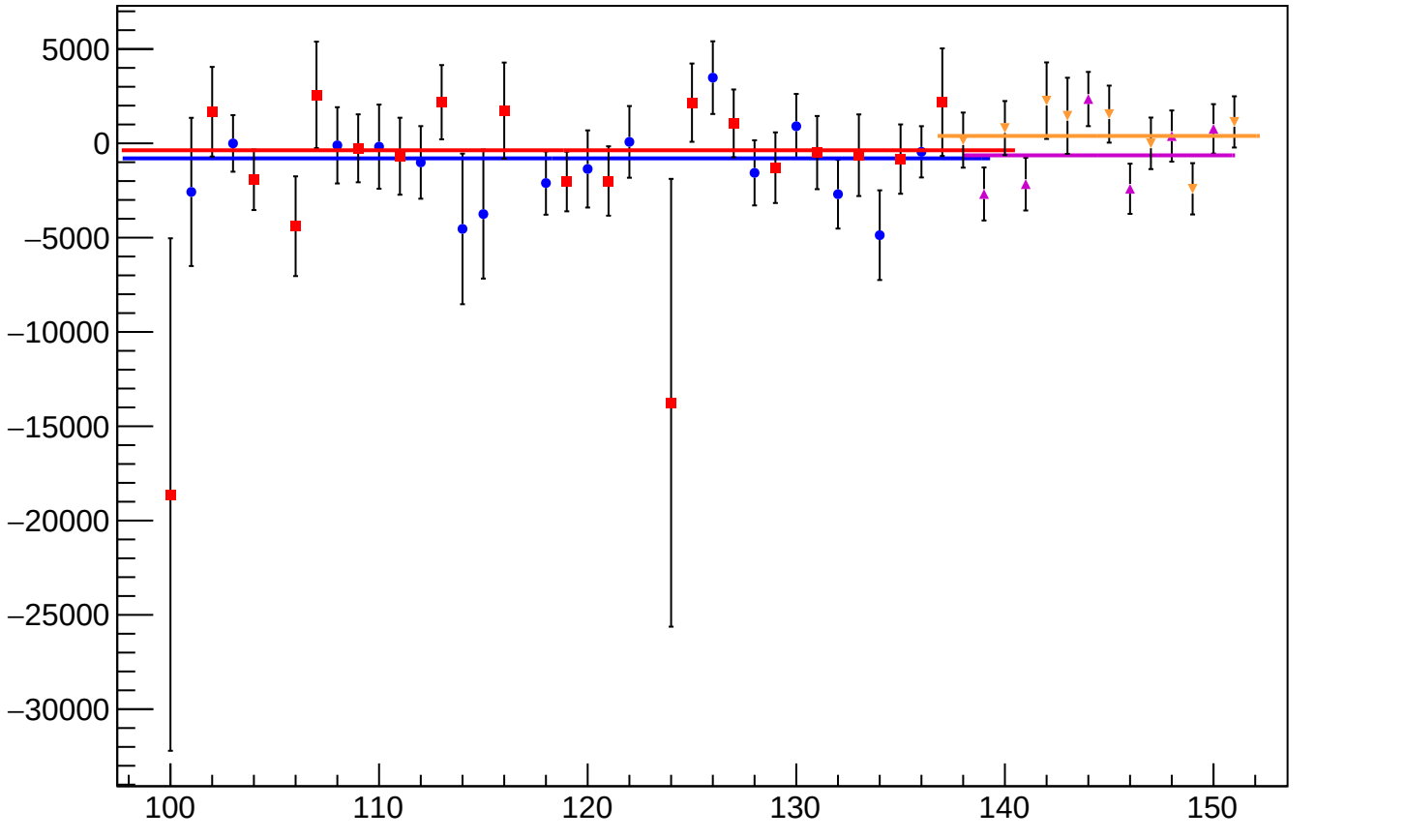
Left: 292.341+/-0.064 χ^2/NDF: 1725117.5/13

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 325.460+/-0.073 χ^2/NDF:4609193.2/21

Out: 322.728+/-0.071 χ^2/NDF:6047232.8/26

All: 324.066+/-0.051 χ^2/NDF: 10657145.1/48



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 392.327+/-534.468 χ^2/NDF:6.5/7

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -635.849+/-559.690 χ^2/NDF:11.1/5

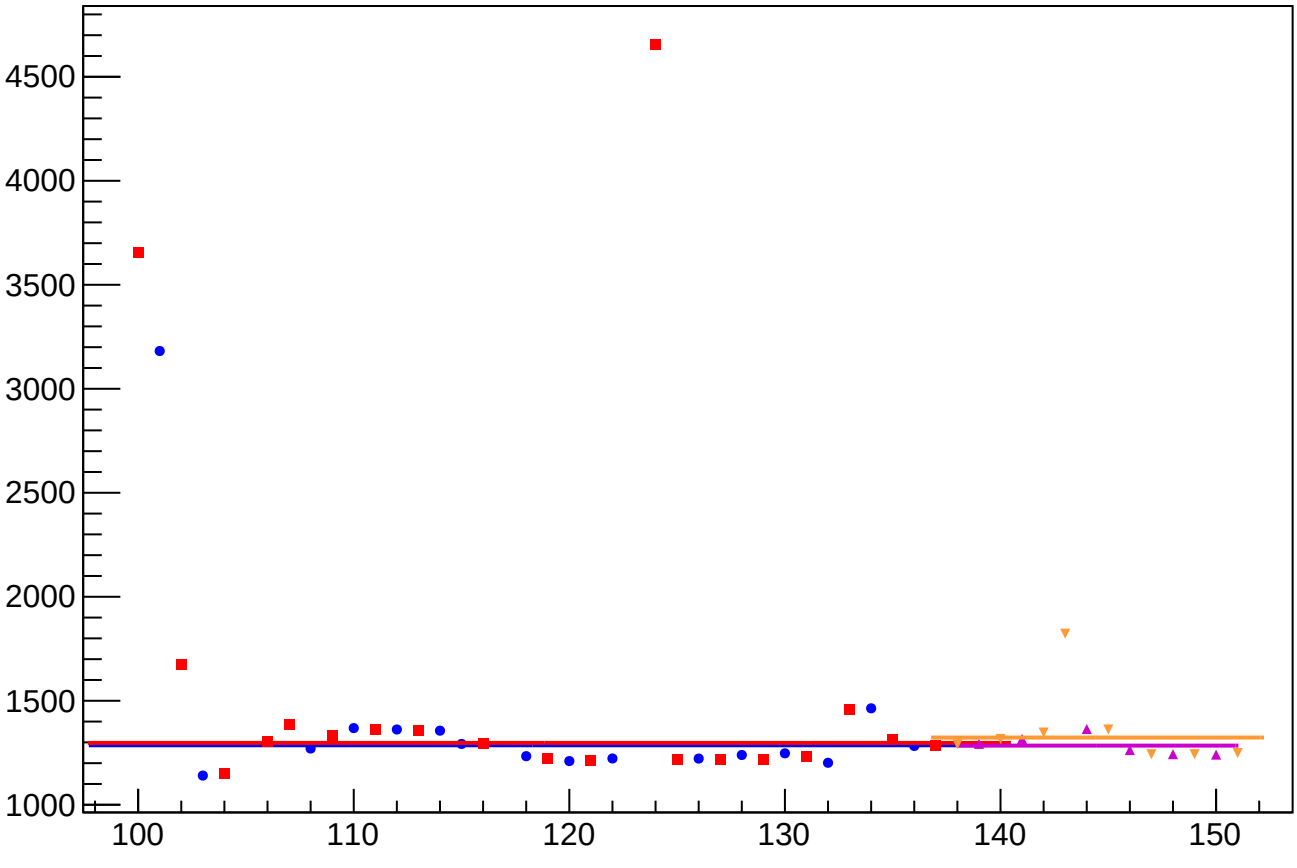
Left: -98.072+/-386.535 χ^2/NDF: 19.3/13

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -727.422+/-367.586 χ^2/NDF:24.6/21

Out: -23.311+/-359.712 χ^2/NDF:23.2/26

All: -367.744+/-257.093 χ^2/NDF: 49.7/48



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1323.175+/-0.378 χ^2/NDF:145015.8/7

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1284.409+/-0.396 χ^2/NDF:11826.9/5

Left: 1304.685+/-0.273 χ^2/NDF: 161861.0/13

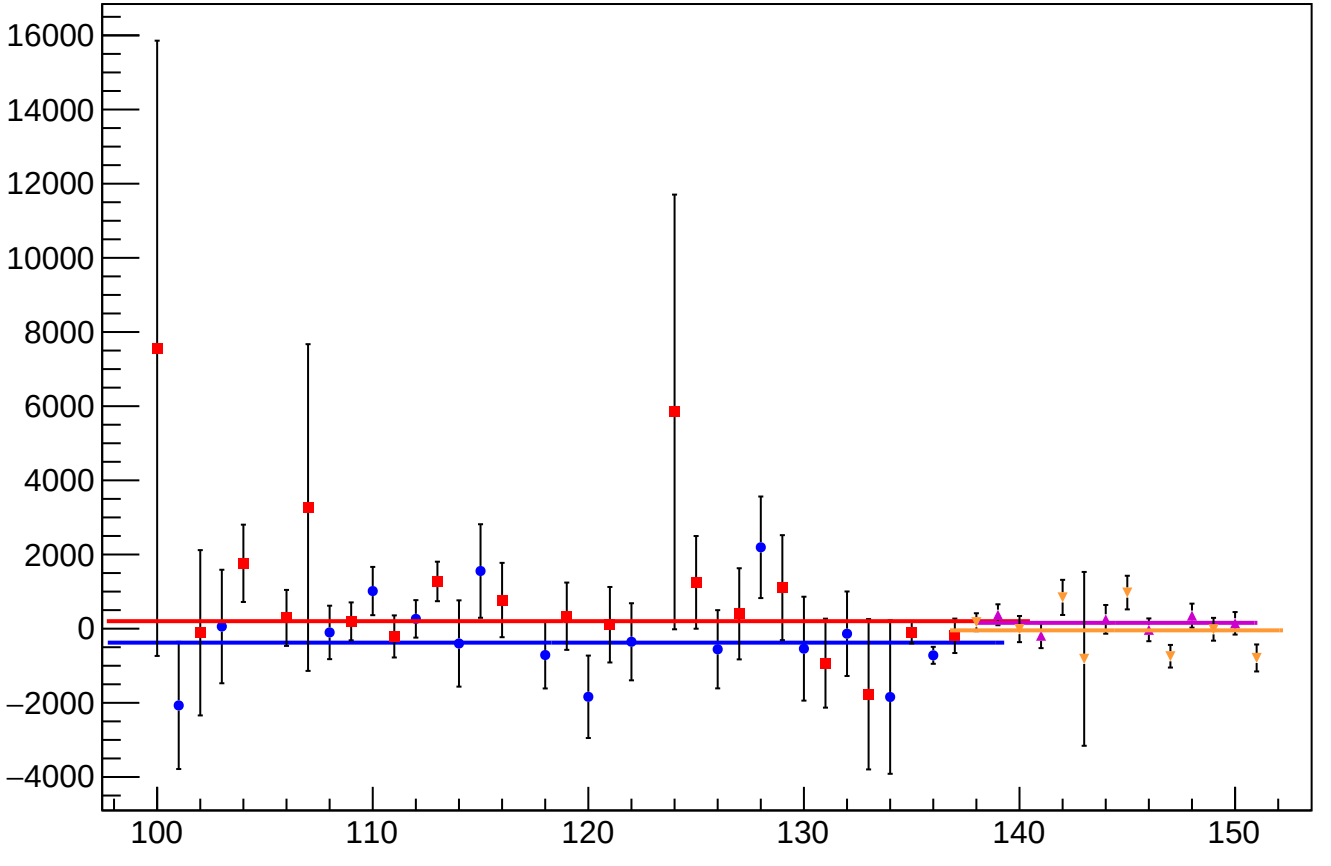
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1285.369+/-0.260 χ^2/NDF:529965.6/21

Out: 1309.072+/-0.254 χ^2/NDF:475303.1/26

All: 1297.477+/-0.182 χ^2/NDF: 1009516.7/48

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: -45.186+/-125.467 χ^2/NDF:18.9/7

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 157.327+/-130.068 χ^2/NDF:2.5/5

Left: 52.425+/-90.301 χ^2/NDF: 22.7/13

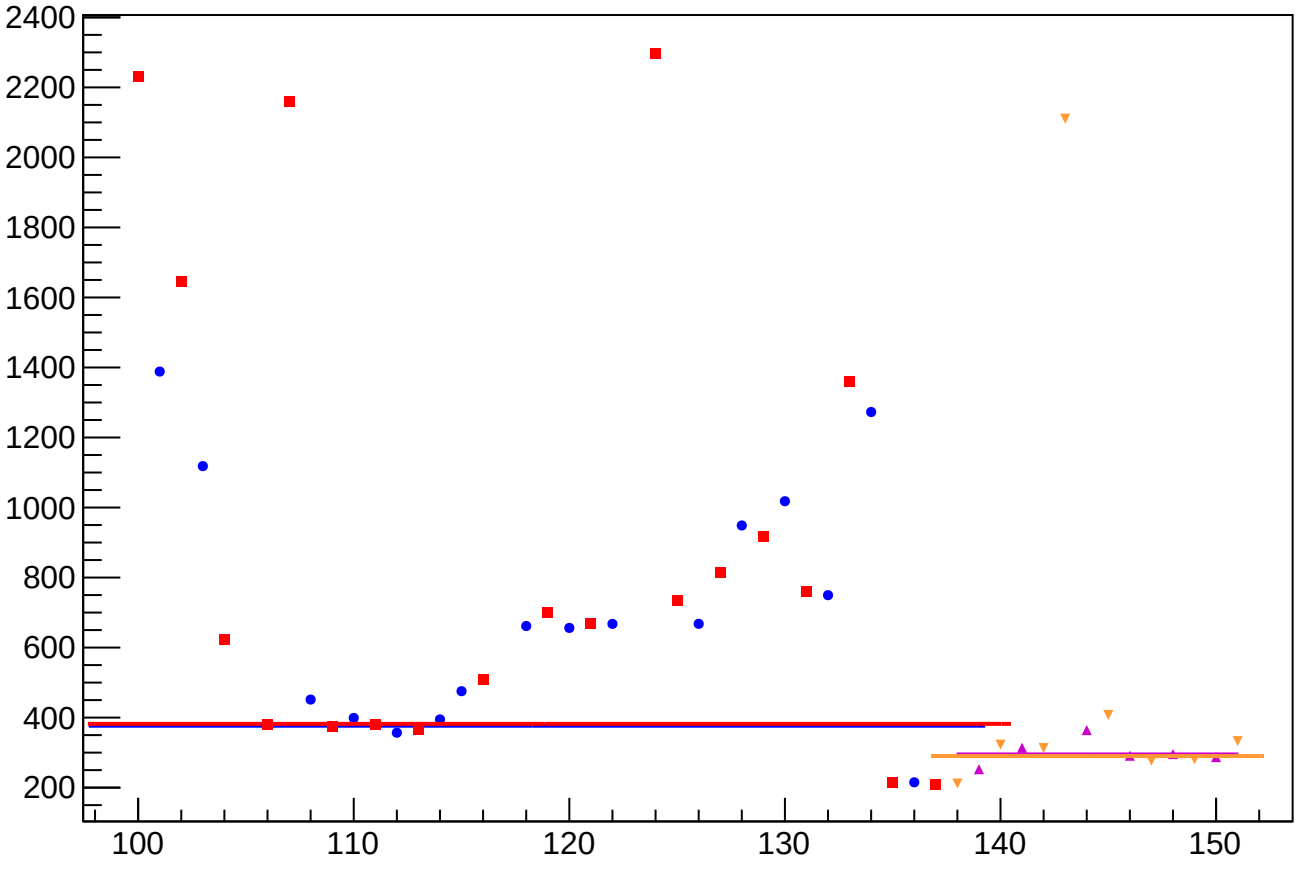
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -42.505+/-102.898 χ^2/NDF:26.7/21

Out: 42.444+/-100.819 χ^2/NDF:34.4/26

All: 0.836+/-72.014 χ^2/NDF: 61.4/48

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: 290.130+/-0.089 χ^2/NDF:1606585.3/7

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 294.717+/-0.092 χ^2/NDF:117243.7/5

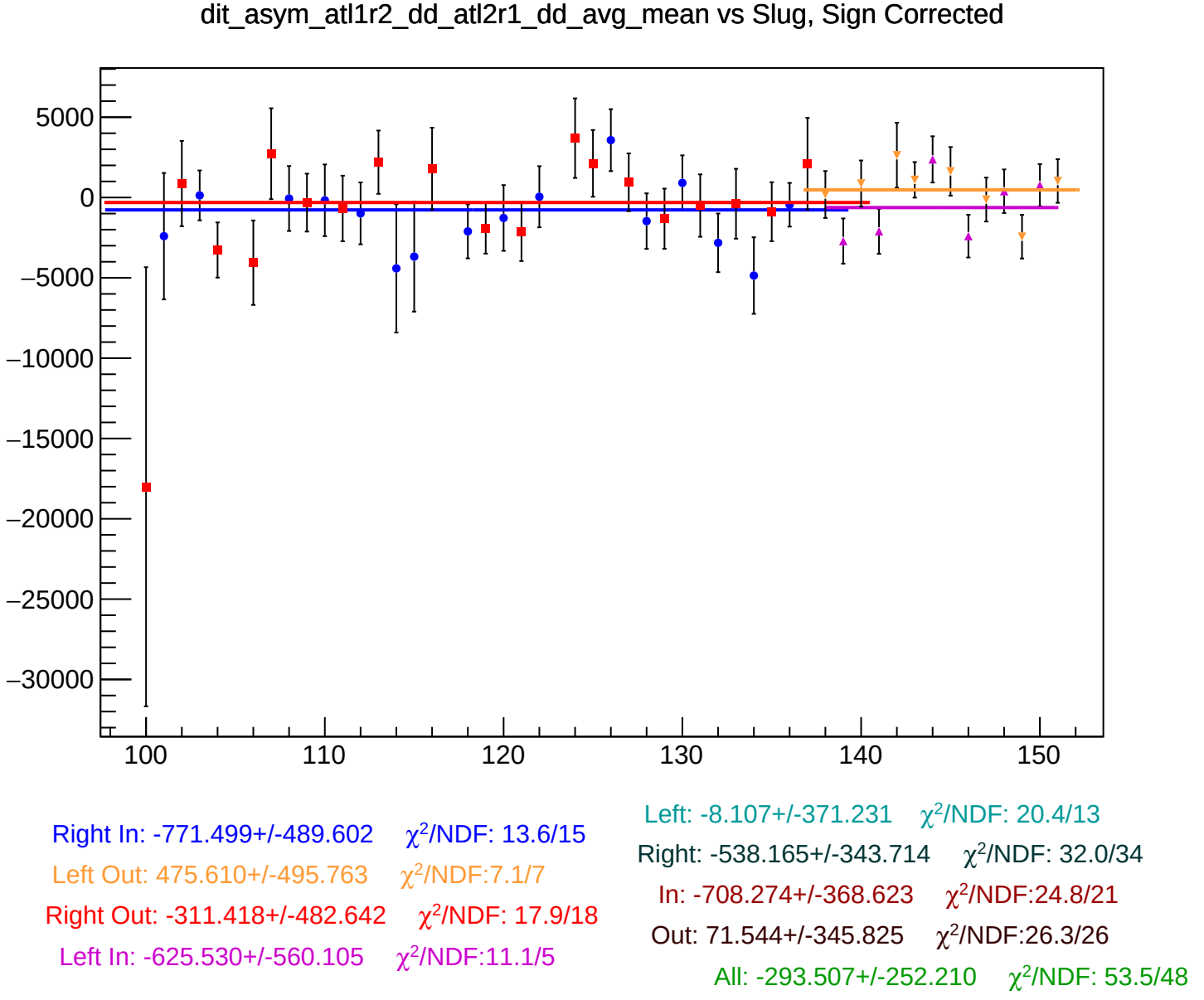
Left: 292.341+/-0.064 χ^2/NDF: 1725117.5/13

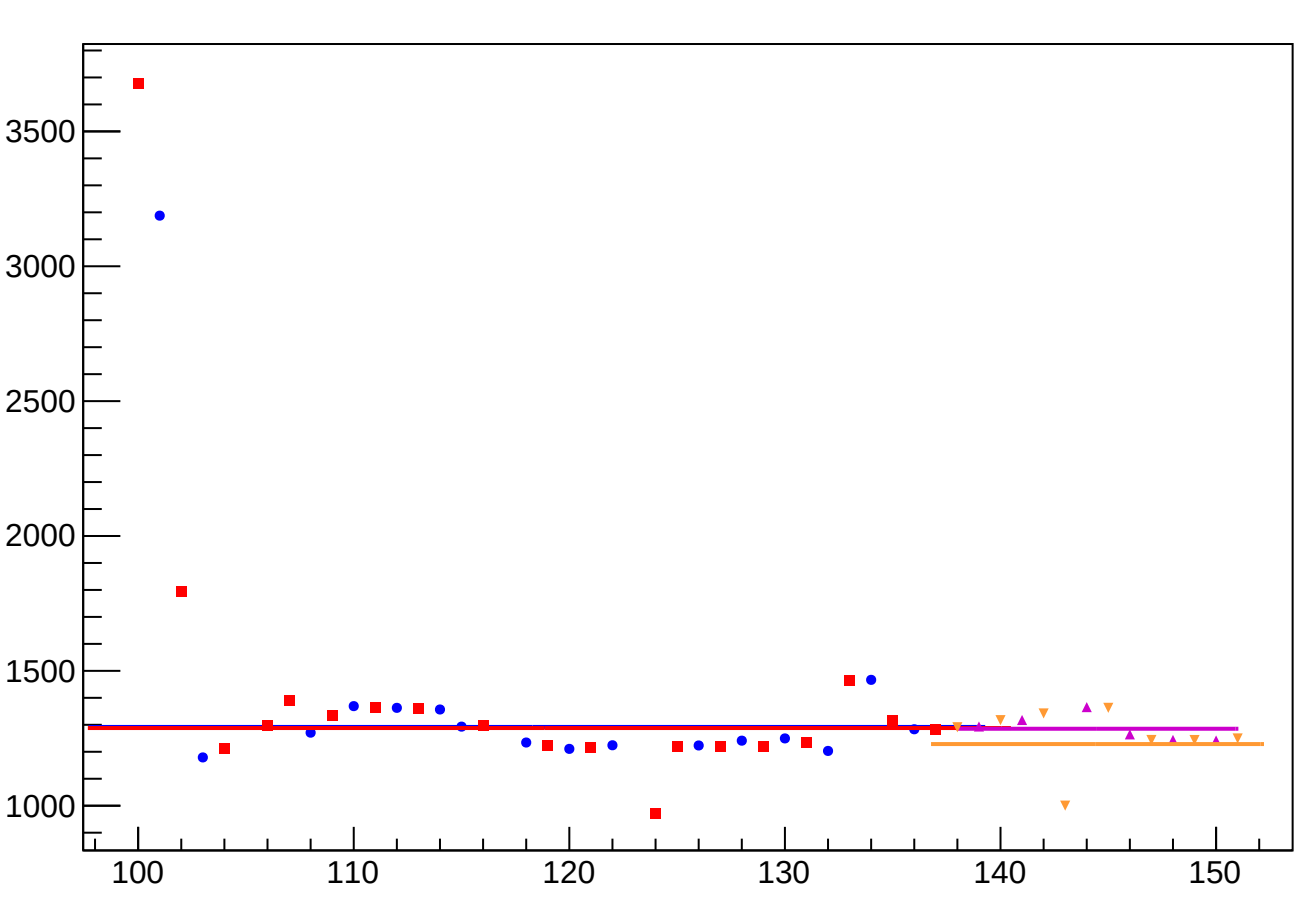
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 325.460+/-0.073 χ^2/NDF:4609193.2/21

Out: 322.728+/-0.071 χ^2/NDF:6047232.8/26

All: 324.066+/-0.051 χ^2/NDF: 10657145.1/48


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 475.610+/-495.763 χ²/NDF:7.1/7
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -625.530+/-560.105 χ²/NDF:11.1/5
Left: -8.107+/-371.231 χ²/NDF: 20.4/13
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -708.274+/-368.623 χ²/NDF:24.8/21
Out: 71.544+/-345.825 χ²/NDF:26.3/26
All: -293.507+/-252.210 χ²/NDF: 53.5/48



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1228.585+/-0.351 χ^2/NDF:119342.2/7

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1285.350+/-0.396 χ^2/NDF:11910.9/5

Left: 1253.522+/-0.262 χ^2/NDF: 142771.4/13

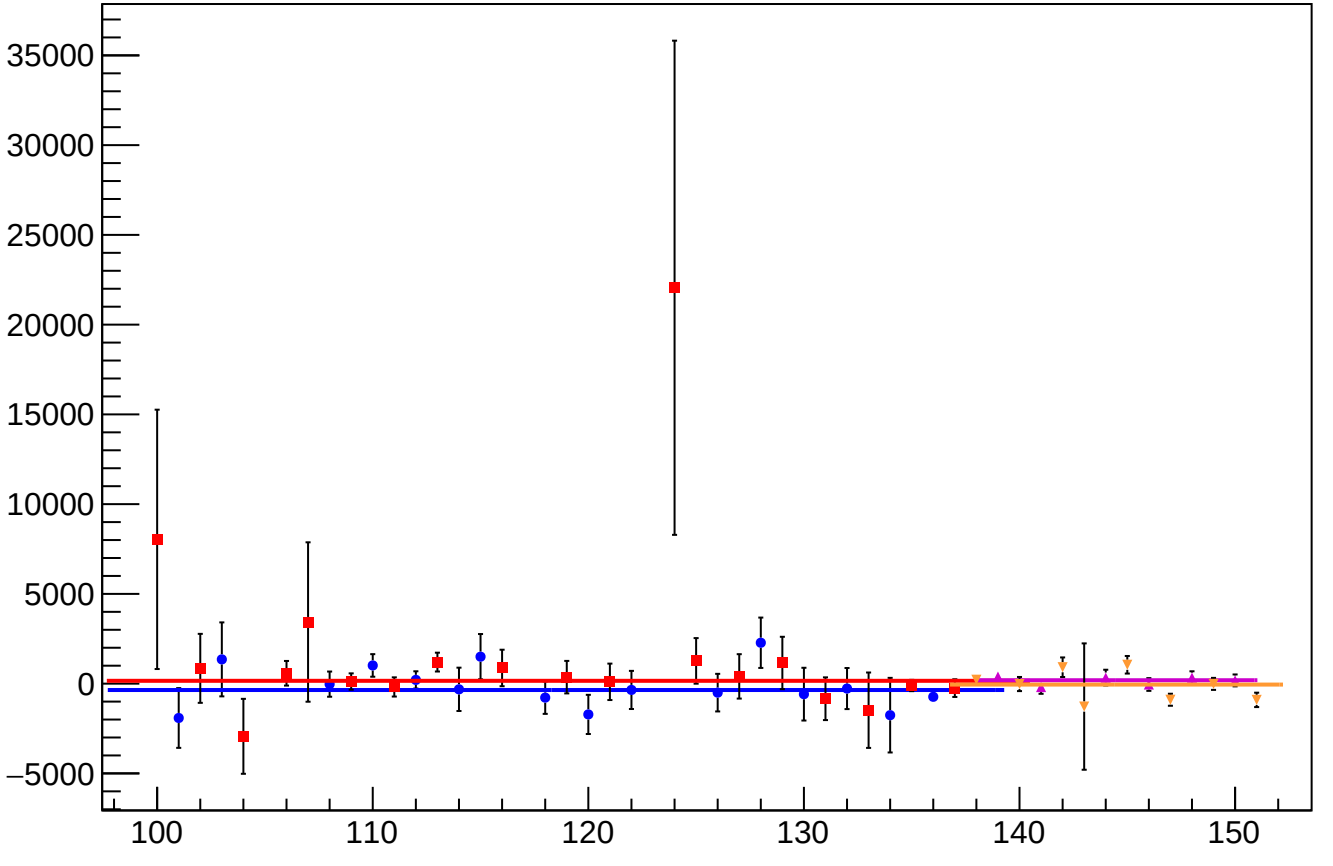
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1289.141+/-0.261 χ^2/NDF:521478.8/21

Out: 1259.083+/-0.245 χ^2/NDF:343293.1/26

All: 1273.154+/-0.178 χ^2/NDF: 871844.7/48

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: -51.724+/-134.871 χ^2/NDF:20.5/7

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 189.832+/-140.942 χ^2/NDF:2.3/5

Left: 63.740+/-97.444 χ^2/NDF: 24.3/13

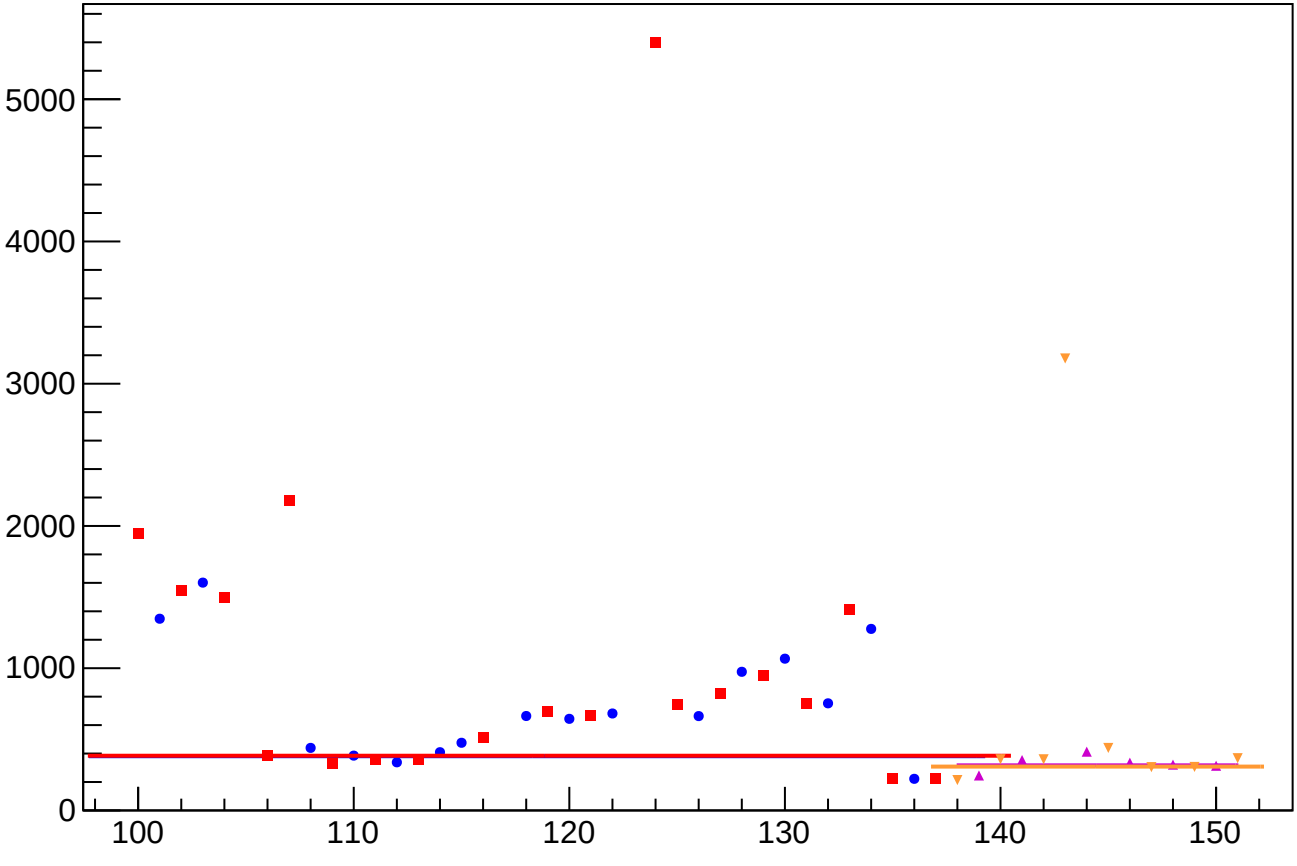
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -32.247+/-108.494 χ^2/NDF:26.8/21

Out: 29.456+/-105.577 χ^2/NDF:37.3/26

All: -0.555+/-75.665 χ^2/NDF: 64.2/48

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: 308.361+/-0.095 χ^2/NDF:1870928.1/7

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 317.095+/-0.100 χ^2/NDF:254082.3/5

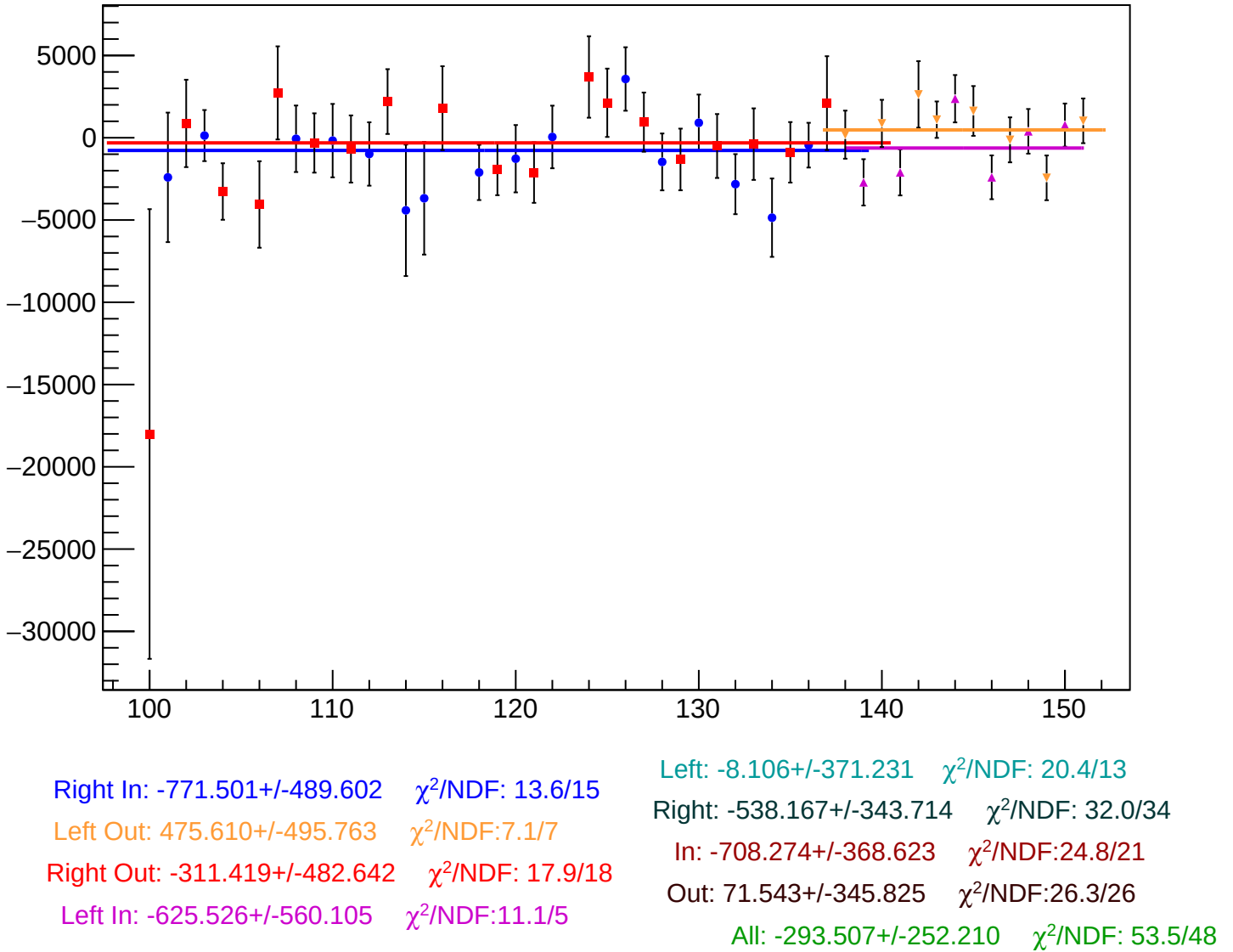
Left: 312.536+/-0.069 χ^2/NDF: 2129019.4/13

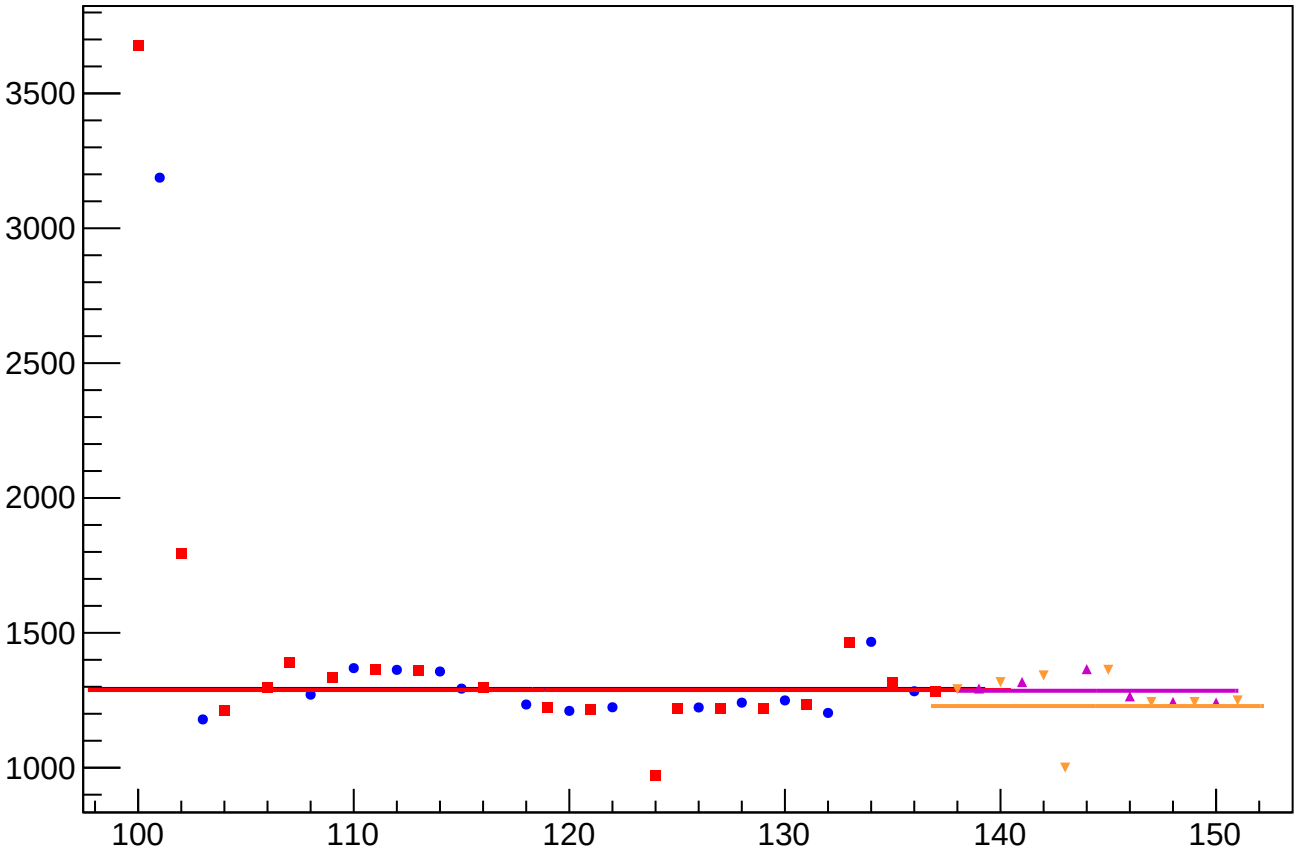
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 343.275+/-0.077 χ^2/NDF:4741368.3/21

Out: 337.902+/-0.075 χ^2/NDF:6678926.3/26

All: 340.515+/-0.054 χ^2/NDF: 11422813.6/48


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 475.610+/-495.763 χ²/NDF:7.1/7
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -625.526+/-560.105 χ²/NDF:11.1/5
Left: -8.106+/-371.231 χ²/NDF: 20.4/13
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -708.274+/-368.623 χ²/NDF:24.8/21
Out: 71.543+/-345.825 χ²/NDF:26.3/26
All: -293.507+/-252.210 χ²/NDF: 53.5/48



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1228.586+/-0.351 χ^2/NDF:119341.5/7

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1285.350+/-0.396 χ^2/NDF:11911.0/5

Left: 1253.522+/-0.262 χ^2/NDF: 142770.6/13

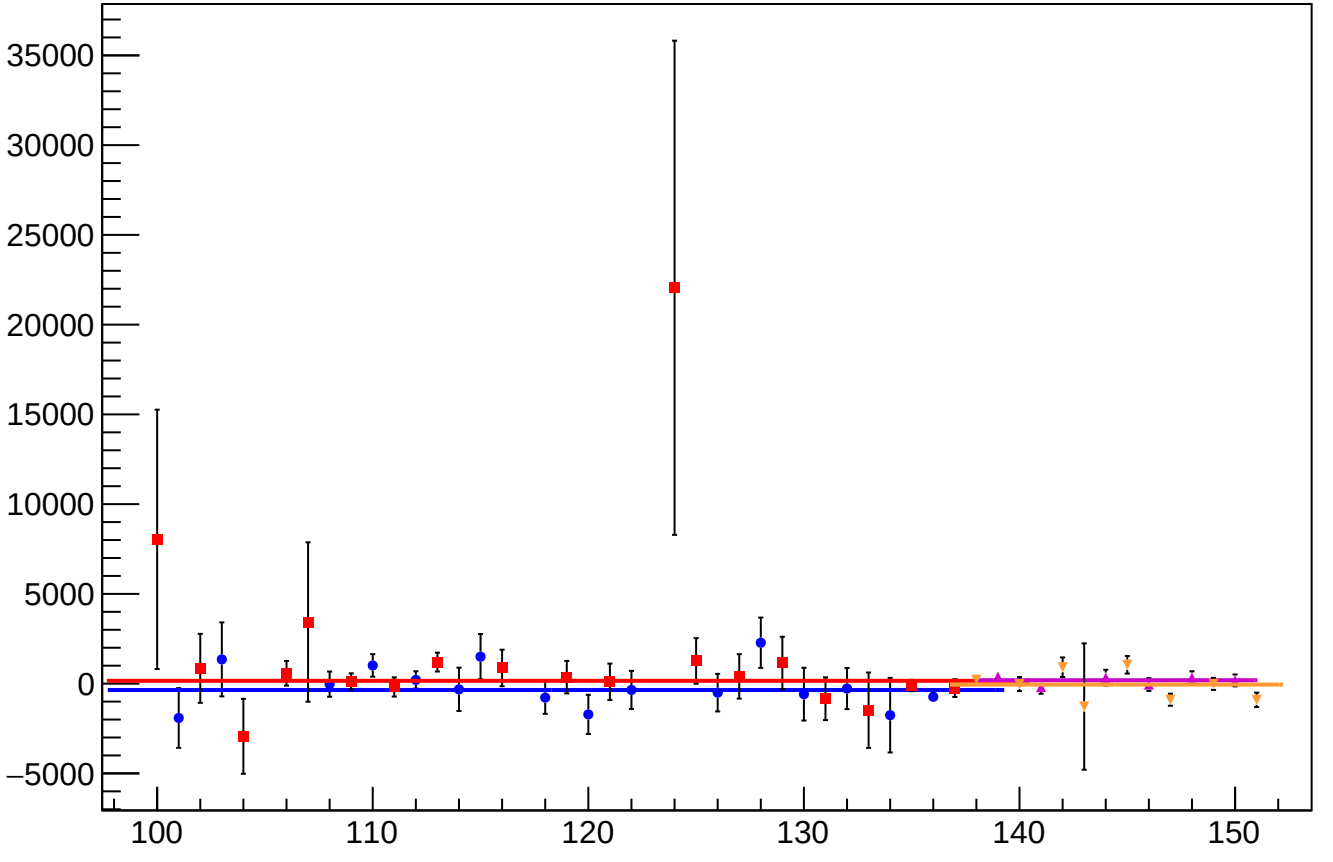
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1289.141+/-0.261 χ^2/NDF:521478.9/21

Out: 1259.084+/-0.245 χ^2/NDF:343292.5/26

All: 1273.154+/-0.178 χ^2/NDF: 871844.0/48

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: -51.734+/-134.873 χ^2/NDF:20.5/7

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 189.833+/-140.944 χ^2/NDF:2.3/5

Left: 63.736+/-97.445 χ^2/NDF: 24.3/13

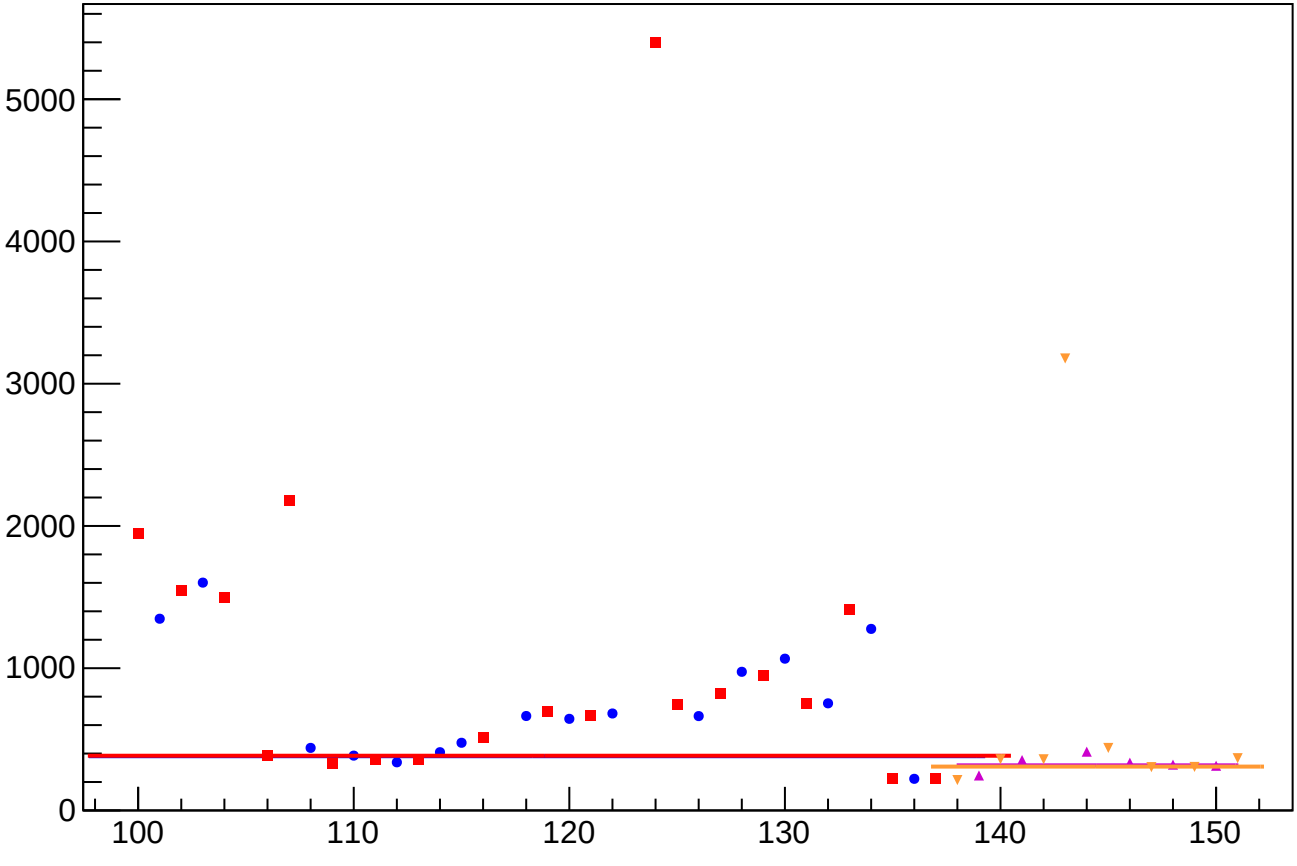
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -32.245+/-108.496 χ^2/NDF:26.8/21

Out: 29.452+/-105.579 χ^2/NDF:37.3/26

All: -0.556+/-75.666 χ^2/NDF: 64.2/48

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: 308.368+/-0.095 χ^2/NDF:1870813.5/7

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 317.100+/-0.100 χ^2/NDF:254013.7/5

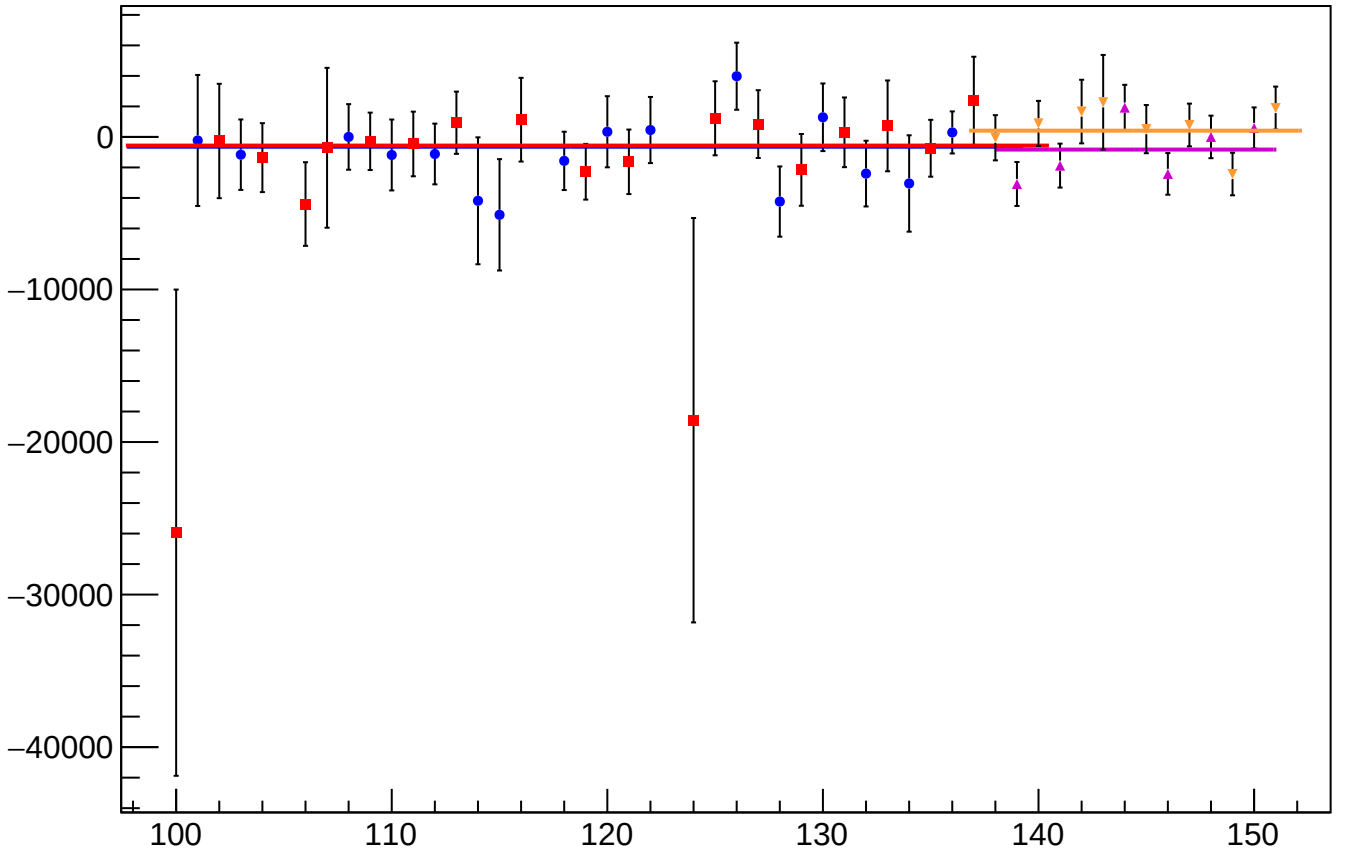
Left: 312.542+/-0.069 χ^2/NDF: 2128834.0/13

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 343.282+/-0.077 χ^2/NDF:4741134.4/21

Out: 337.910+/-0.075 χ^2/NDF:6678667.1/26

All: 340.522+/-0.054 χ^2/NDF: 11422319.9/48



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 411.687+/-561.099 χ^2/NDF:6.3/7

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -828.911+/-575.894 χ^2/NDF:9.2/5

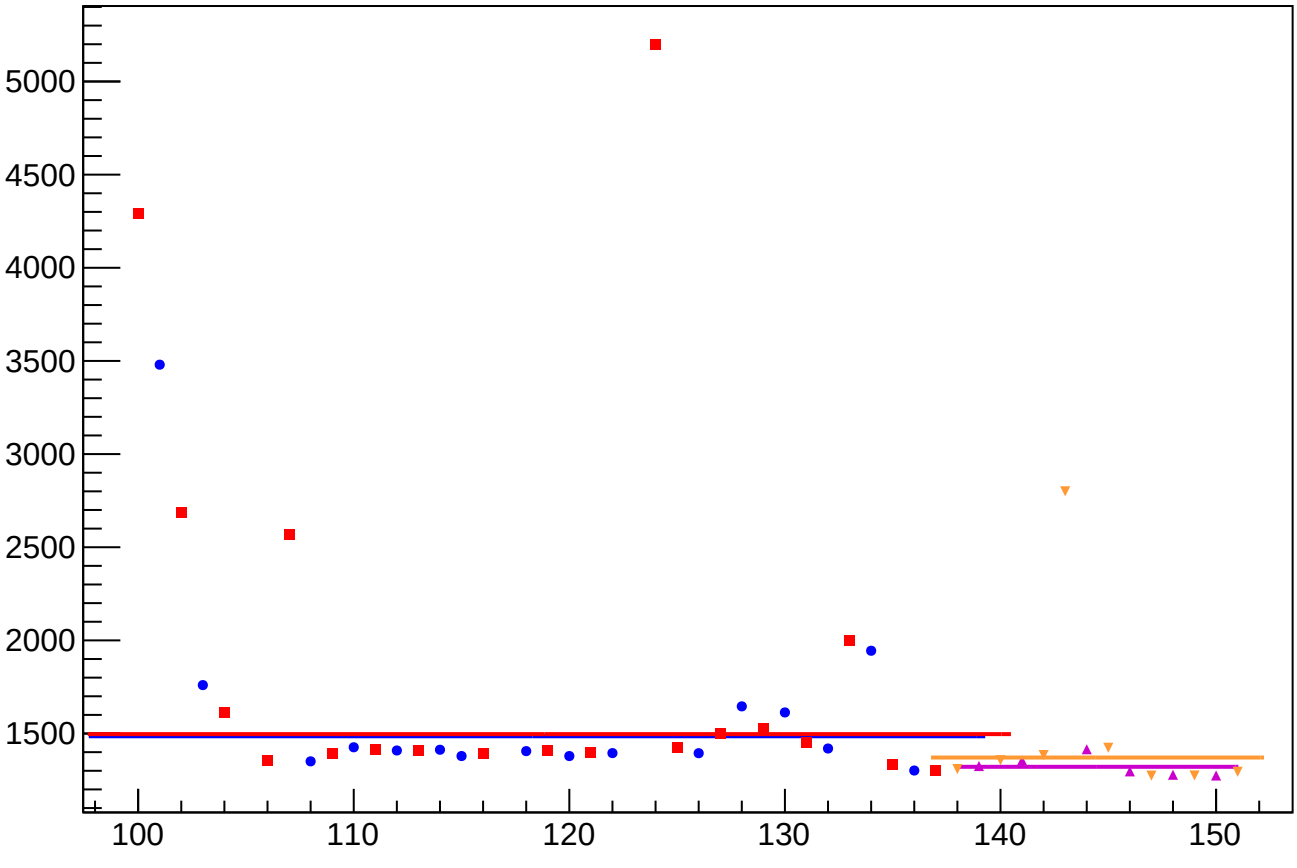
Left: -192.471+/-401.885 χ^2/NDF: 17.9/13

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -732.966+/-403.081 χ^2/NDF:21.7/21

Out: -72.857+/-398.748 χ^2/NDF:19.1/26

All: -399.345+/-283.477 χ^2/NDF: 42.2/48



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1371.200+/-0.397 χ^2/NDF:455087.4/7

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.392+/-0.407 χ^2/NDF:14037.0/5

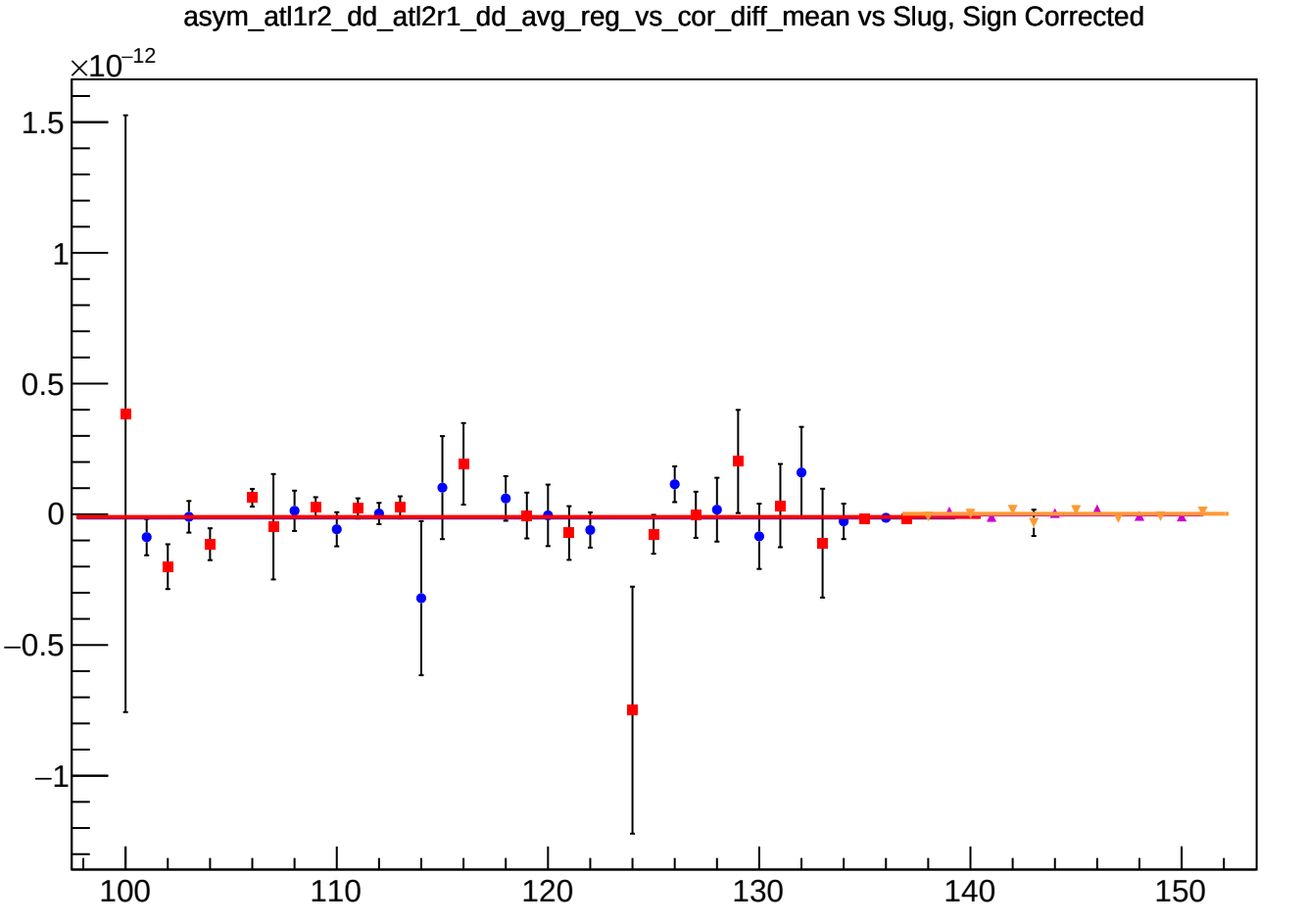
Left: 1346.944+/-0.284 χ^2/NDF: 476799.1/13

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1405.039+/-0.285 χ^2/NDF:681221.5/21

Out: 1433.400+/-0.282 χ^2/NDF:1128035.4/26

All: 1419.373+/-0.200 χ^2/NDF: 1814261.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/5

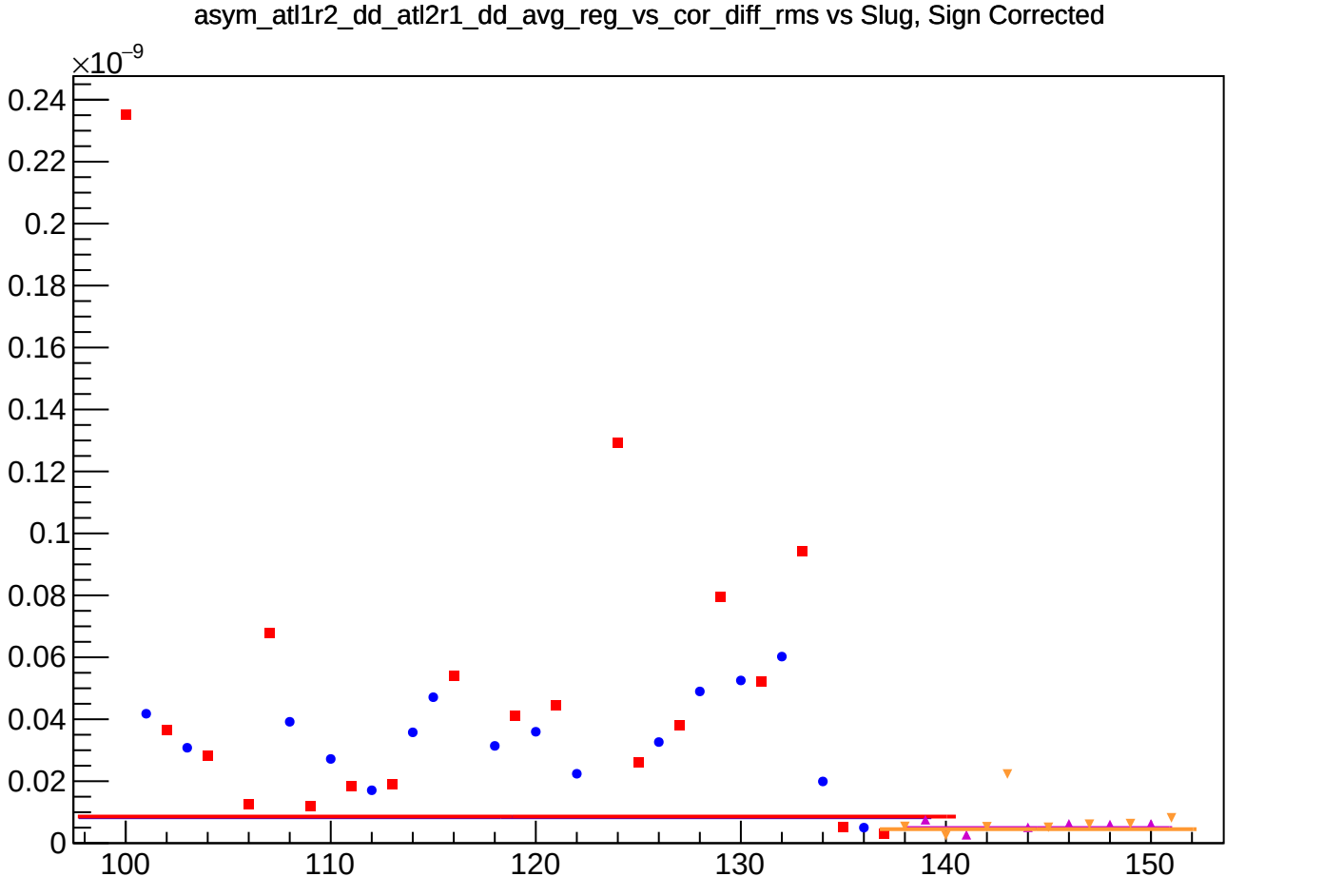
Left: 0.000+/-0.000 χ^2/NDF: 19.0/13

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

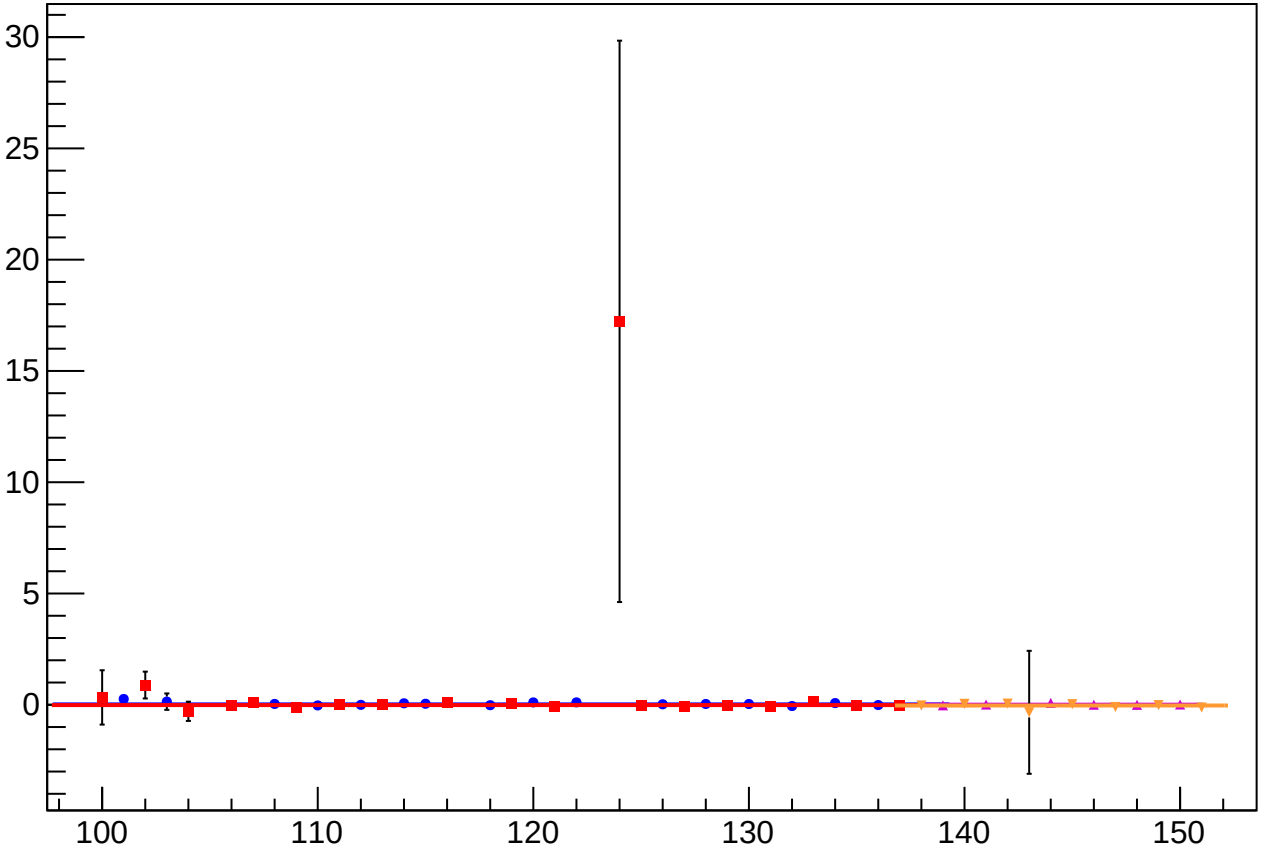
In: -0.000+/-0.000 χ^2/NDF:20.2/21

Out: 0.000+/-0.000 χ^2/NDF:34.2/26

All: -0.000+/-0.000 χ^2/NDF: 55.0/48


asym_atl1r2_dd_atl2r1_dd_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
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3059657.6/15
Left Out: 0.000+/-0.000 χ²/NDF:910322.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 3348571.5/18
Left In: 0.000+/-0.000 χ²/NDF:497850.9/5
Left: 0.000+/-0.000 χ²/NDF: 1420802.9/13
Right: 0.000+/-0.000 χ²/NDF: 6408892.5/34
In: 0.000+/-0.000 χ²/NDF:3918342.9/21
Out: 0.000+/-0.000 χ²/NDF:4702209.1/26
All: 0.000+/-0.000 χ²/NDF: 8642684.9/48

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: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.005+/-0.016 χ^2/NDF:3.5/5

Left: -0.015+/-0.011 χ^2/NDF: 21.5/13

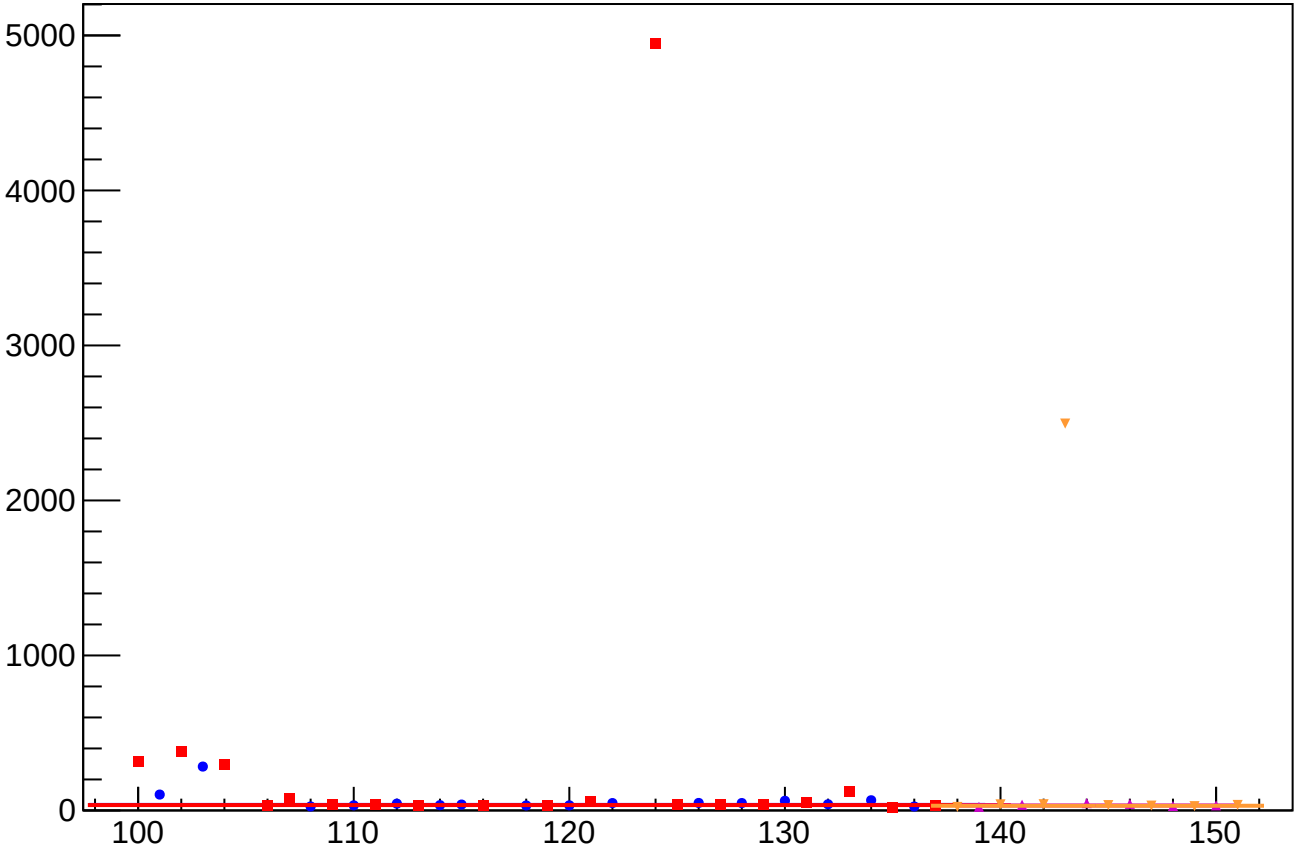
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/21

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.007+/-0.008 χ^2/NDF: 52.2/48

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 30.357+/-0.010 χ^2/NDF:1942632.7/7

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.274+/-0.011 χ^2/NDF:478490.9/5

Left: 31.233+/-0.007 χ^2/NDF: 2437420.1/13

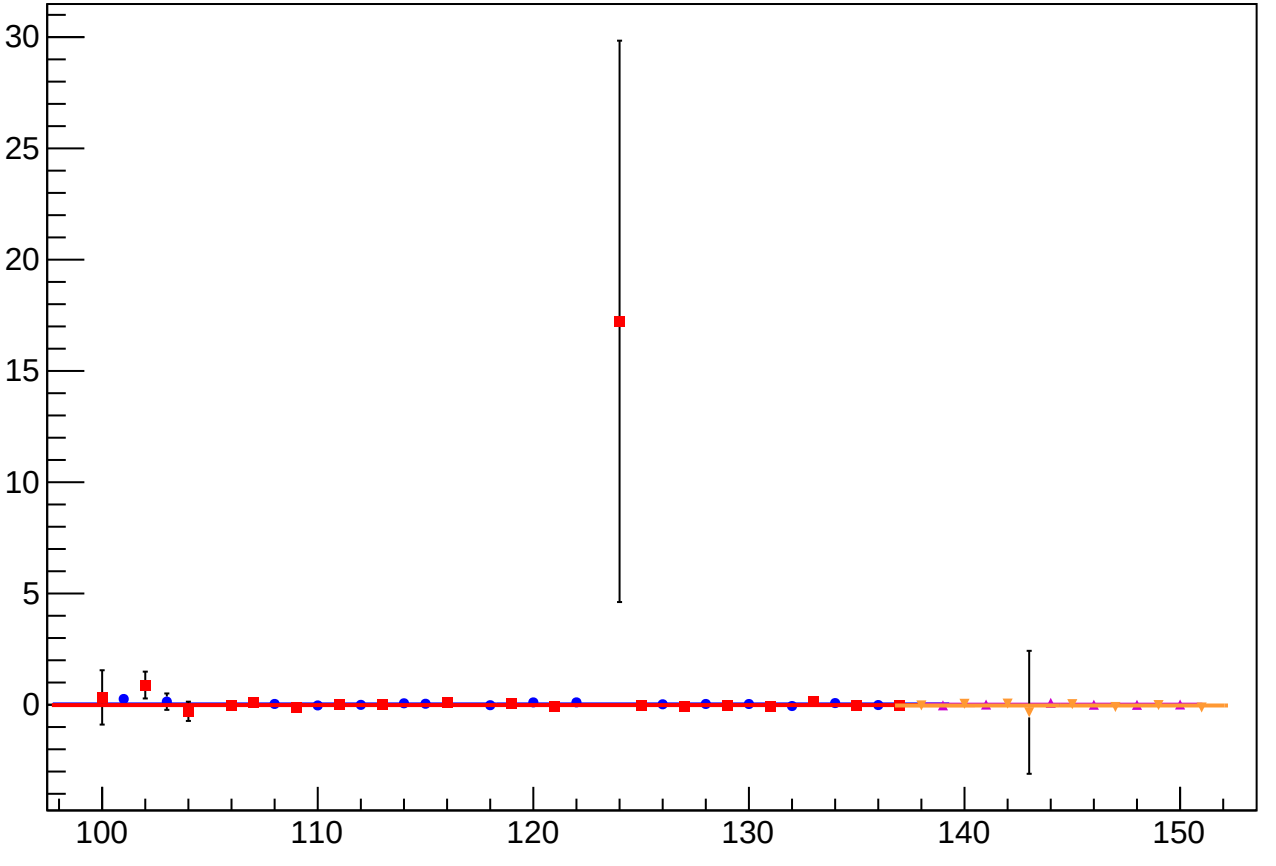
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.030+/-0.008 χ^2/NDF:2793023.5/21

Out: 32.390+/-0.007 χ^2/NDF:4944357.8/26

All: 33.178+/-0.005 χ^2/NDF: 7760523.5/48

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: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.005+/-0.016 χ^2/NDF:3.5/5

Left: -0.015+/-0.011 χ^2/NDF: 21.5/13

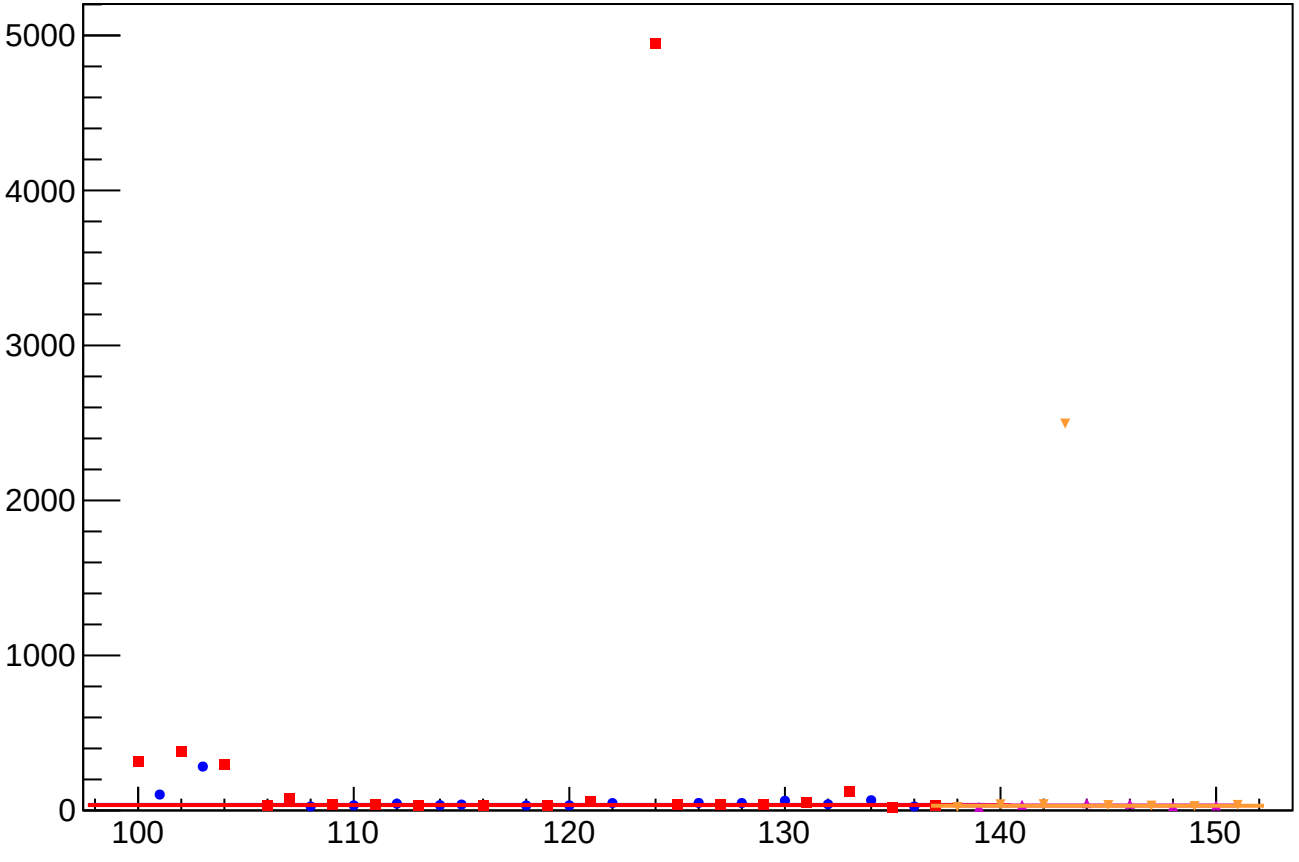
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/21

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.007+/-0.008 χ^2/NDF: 52.2/48

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: 30.357+/-0.010 χ^2/NDF:1942632.7/7

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.274+/-0.011 χ^2/NDF:478490.9/5

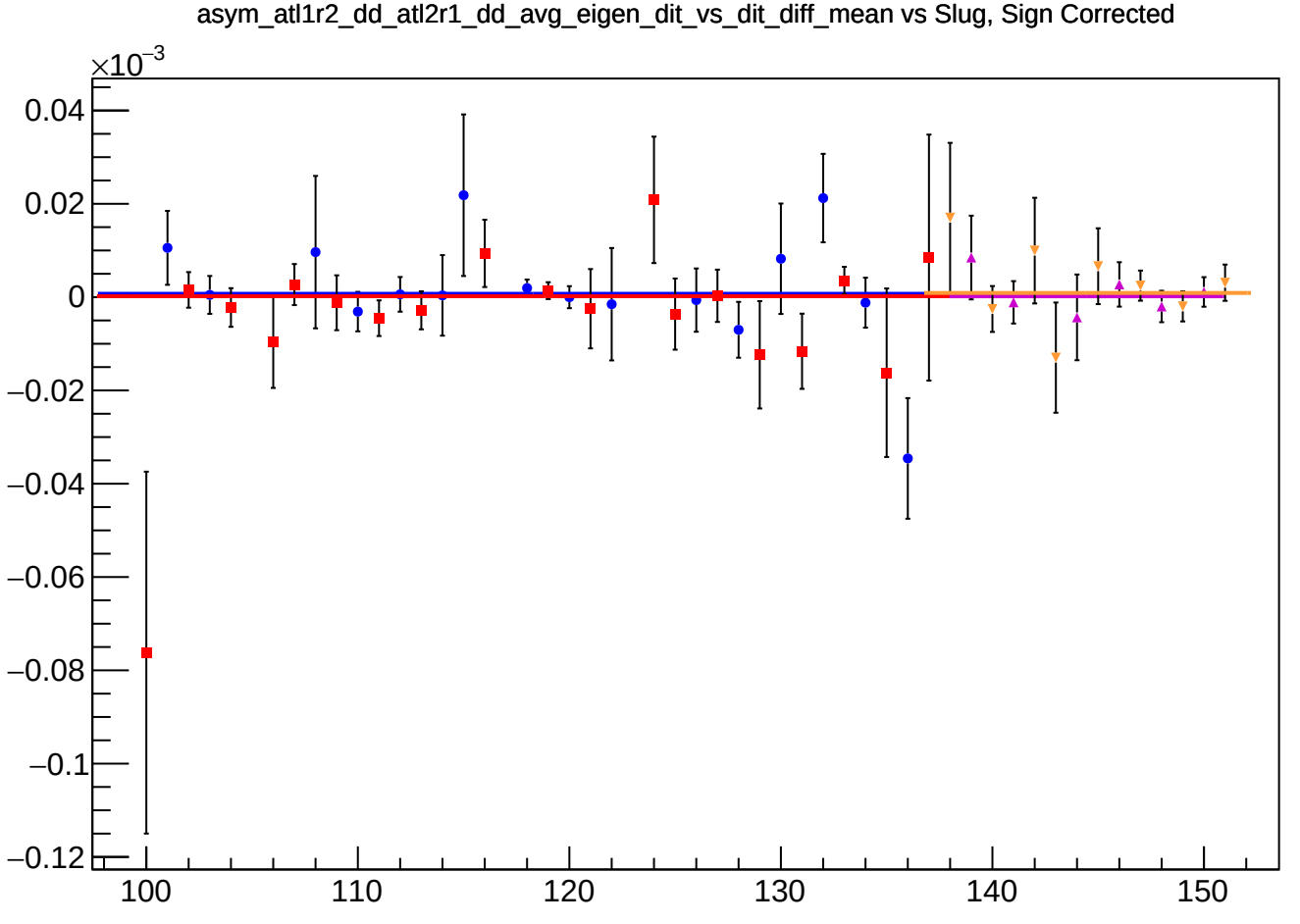
Left: 31.233+/-0.007 χ^2/NDF: 2437420.1/13

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.030+/-0.008 χ^2/NDF:2793023.5/21

Out: 32.390+/-0.007 χ^2/NDF:4944357.8/26

All: 33.178+/-0.005 χ^2/NDF: 7760523.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/5

Left: 0.000+/-0.000 χ^2/NDF: 7.4/13

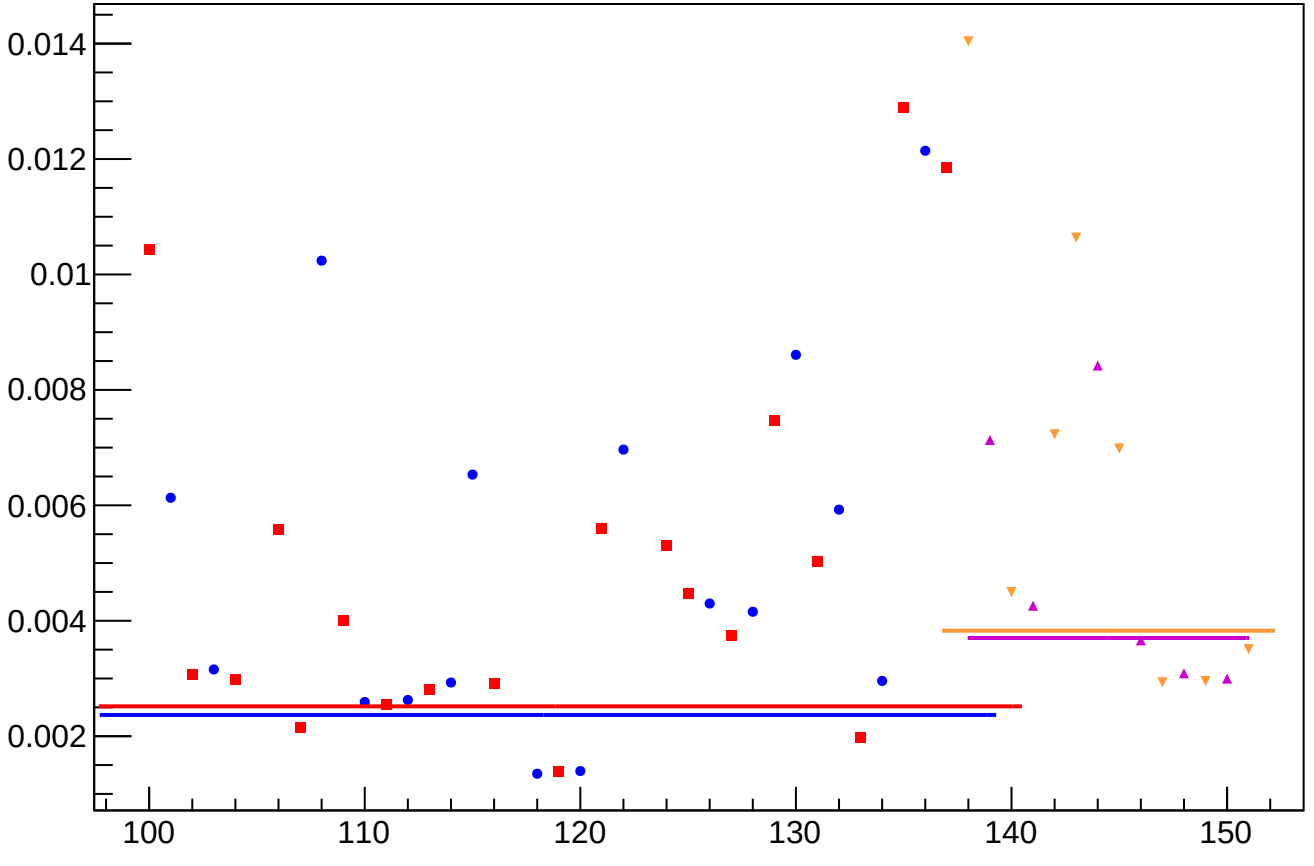
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:21.1/21

Out: 0.000+/-0.000 χ^2/NDF:23.6/26

All: 0.000+/-0.000 χ^2/NDF: 44.7/48

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2308461.7/7

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1015003.0/5

Left: 0.004+/-0.000 χ^2/NDF: 3328507.4/13

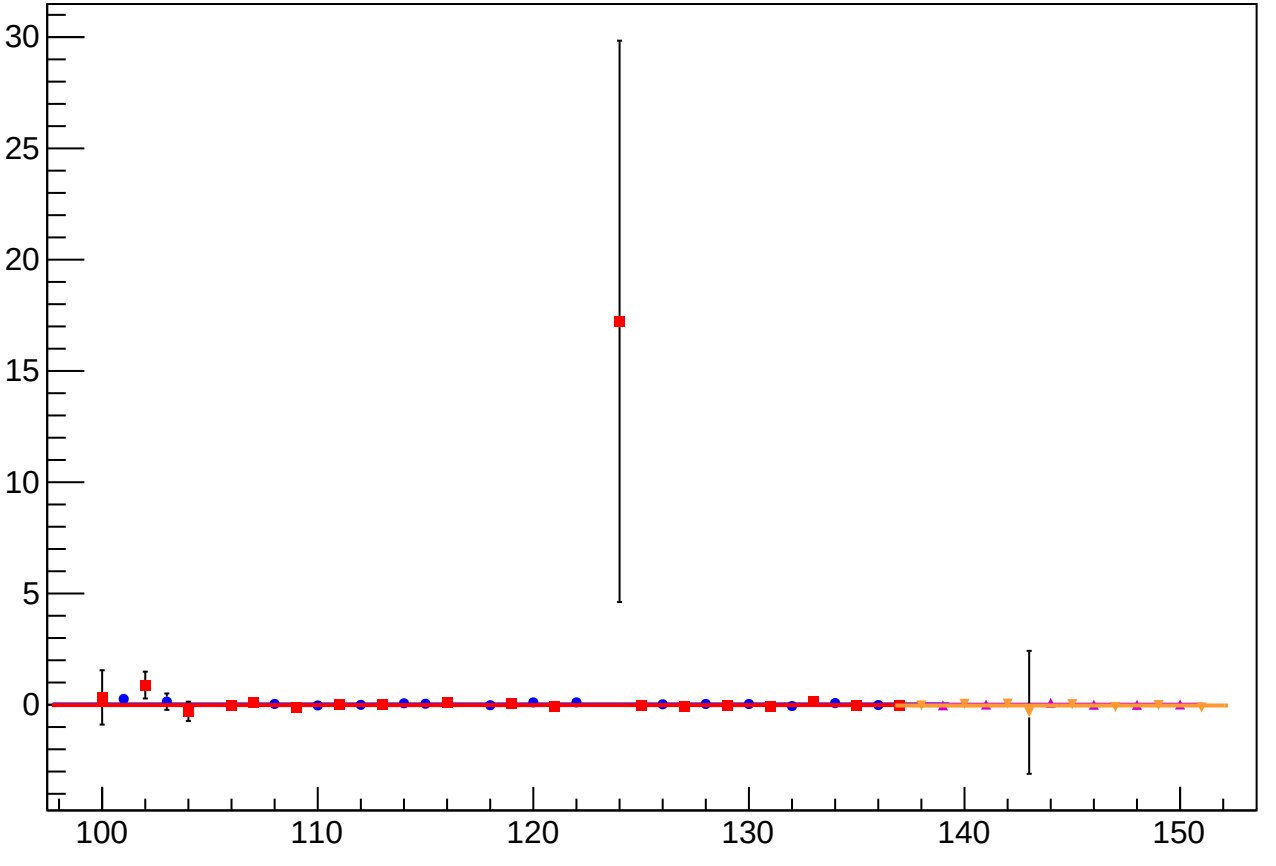
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6525395.3/21

Out: 0.003+/-0.000 χ^2/NDF:6536868.2/26

All: 0.003+/-0.000 χ^2/NDF: 13087232.4/48

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: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.005+/-0.016 χ^2/NDF:3.5/5

Left: -0.015+/-0.011 χ^2/NDF: 21.5/13

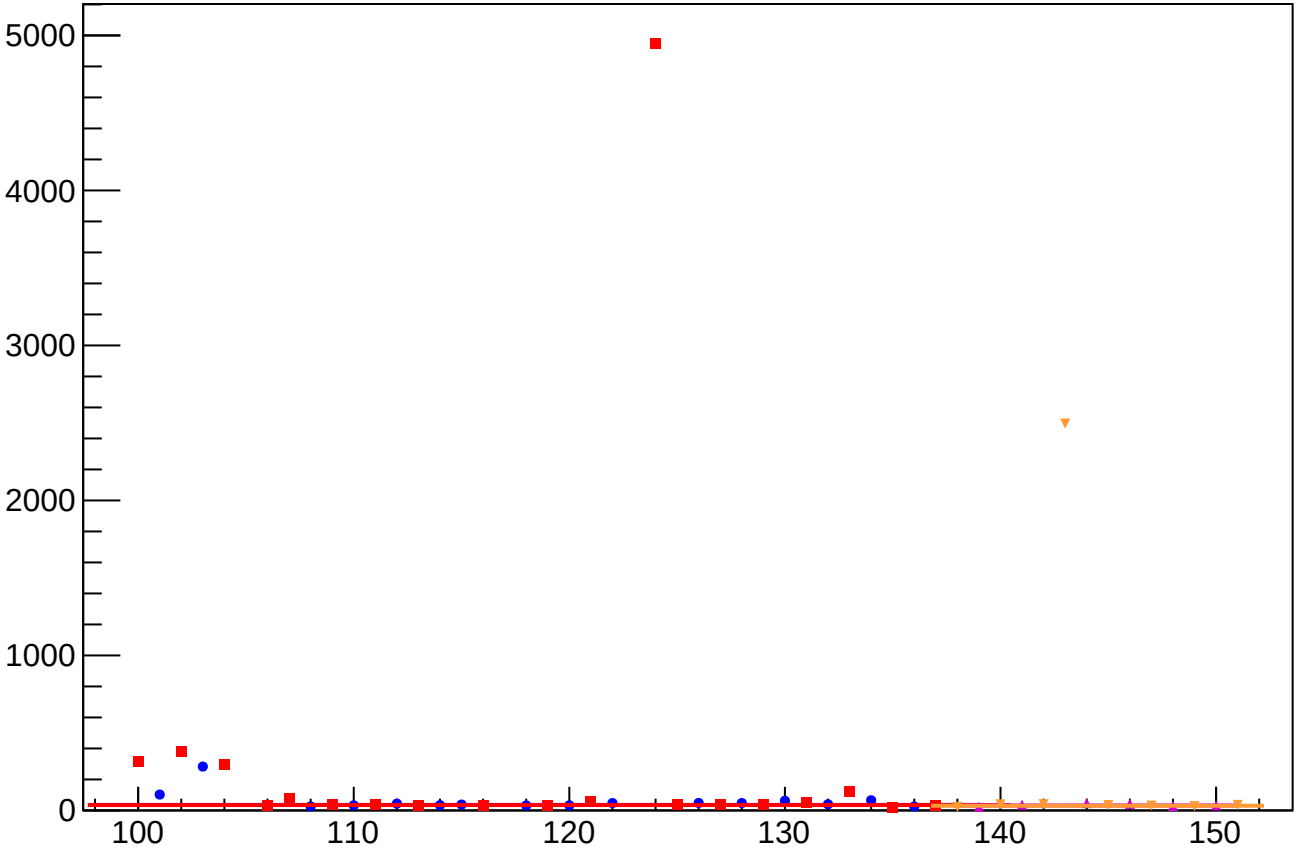
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/21

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.007+/-0.008 χ^2/NDF: 52.2/48

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: 30.357+/-0.010 χ^2/NDF:1942865.4/7

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.271+/-0.011 χ^2/NDF:478805.4/5

Left: 31.232+/-0.007 χ^2/NDF: 2437923.2/13

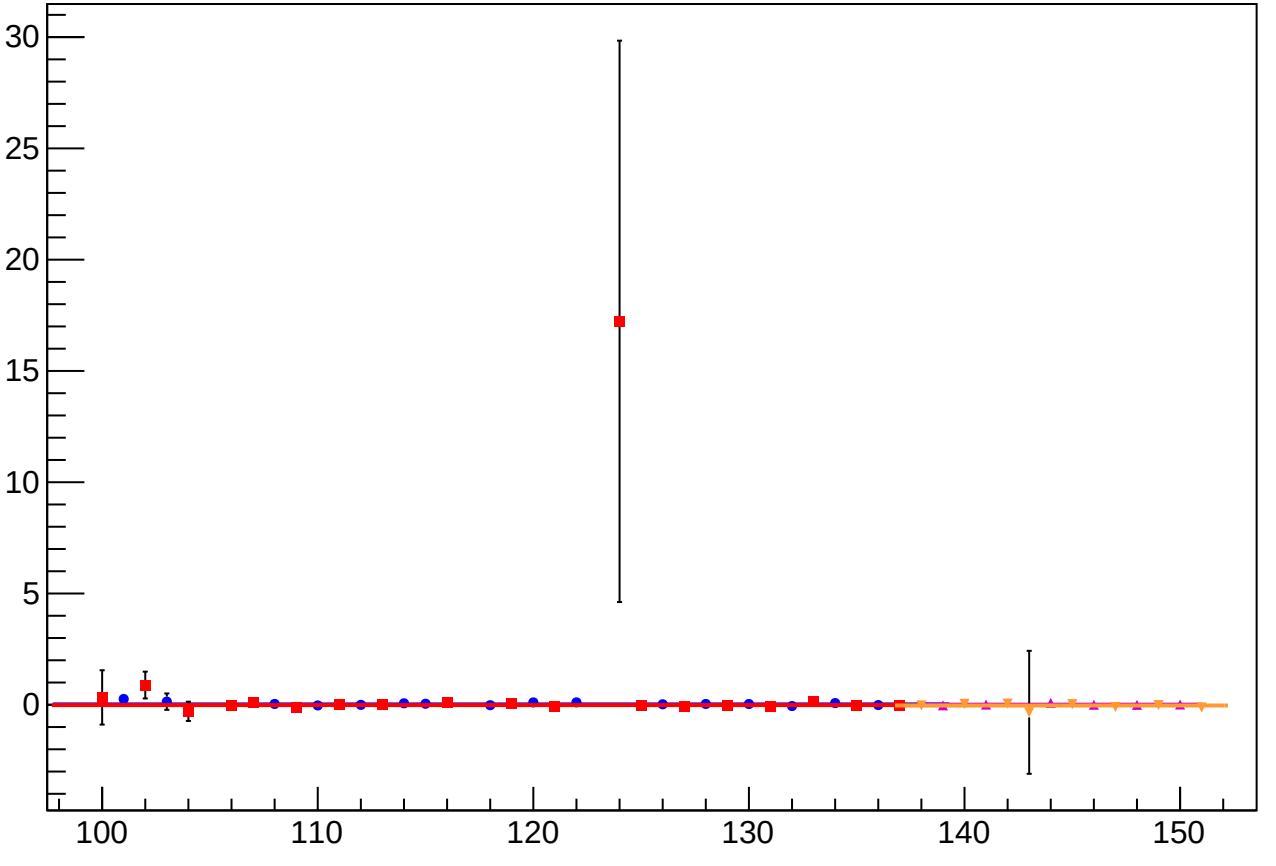
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.030+/-0.008 χ^2/NDF:2793187.9/21

Out: 32.390+/-0.007 χ^2/NDF:4944458.6/26

All: 33.178+/-0.005 χ^2/NDF: 7760758.8/48

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: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.005+/-0.016 χ^2/NDF:3.5/5

Left: -0.015+/-0.011 χ^2/NDF: 21.5/13

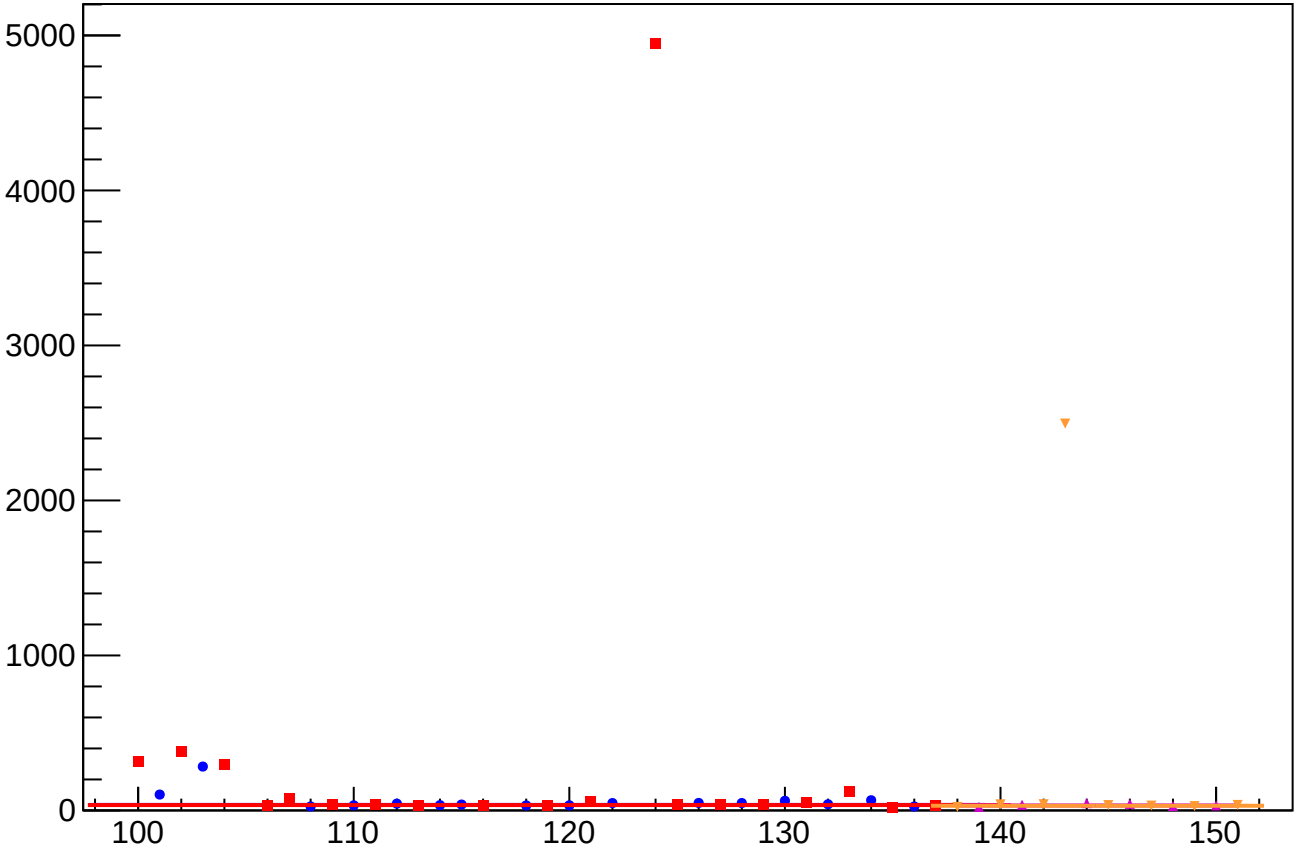
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/21

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.007+/-0.008 χ^2/NDF: 52.2/48

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: 30.357+/-0.010 χ^2/NDF:1942865.4/7

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.271+/-0.011 χ^2/NDF:478805.4/5

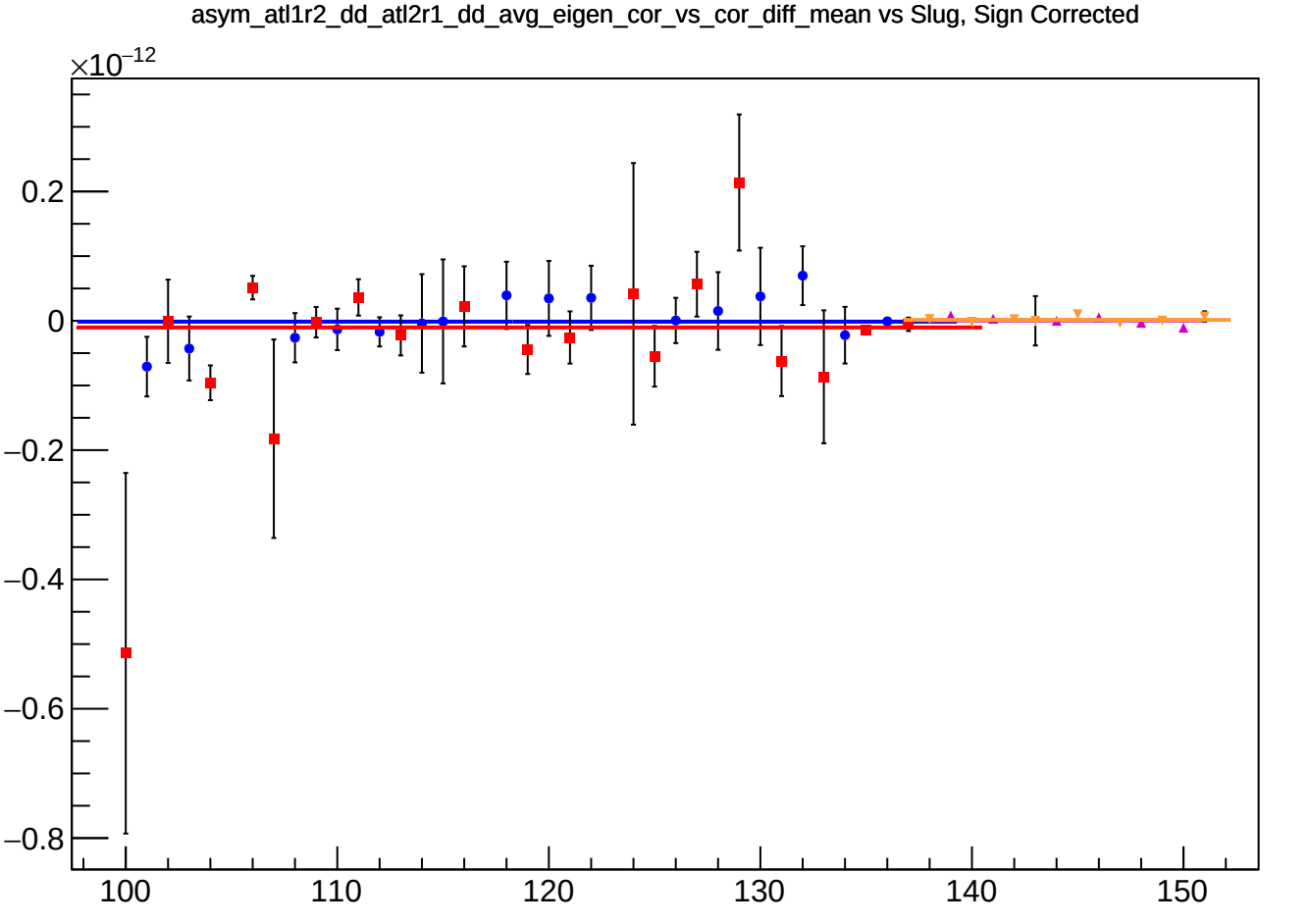
Left: 31.232+/-0.007 χ^2/NDF: 2437923.2/13

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

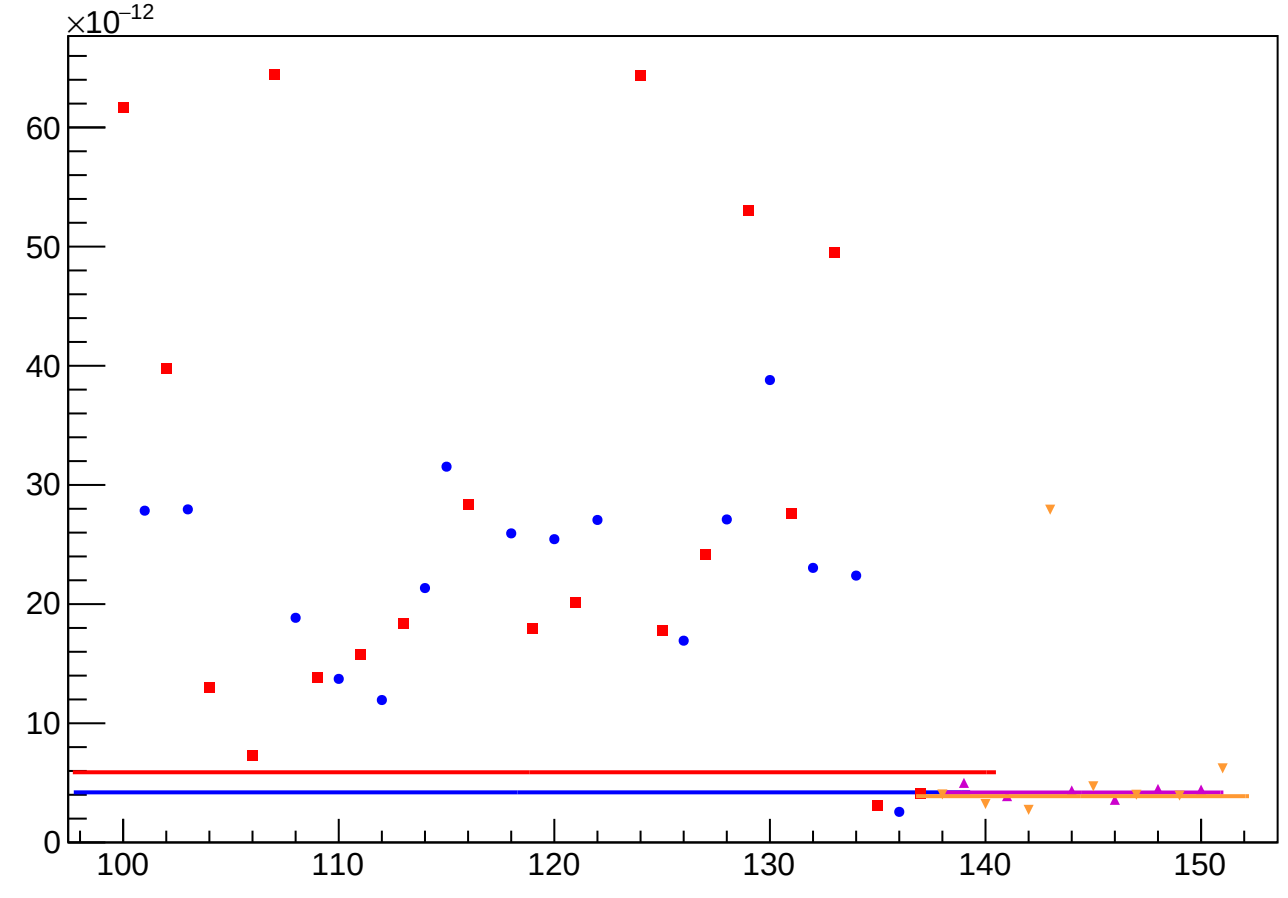
In: 34.030+/-0.008 χ^2/NDF:2793187.9/21

Out: 32.390+/-0.007 χ^2/NDF:4944458.6/26

All: 33.178+/-0.005 χ^2/NDF: 7760758.8/48


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.3/5
Left: 0.000+/-0.000 χ²/NDF: 11.1/13
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: -0.000+/-0.000 χ²/NDF:16.1/21
Out: -0.000+/-0.000 χ²/NDF:50.0/26
All: -0.000+/-0.000 χ²/NDF: 66.2/48

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1153607.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:81514.2/5

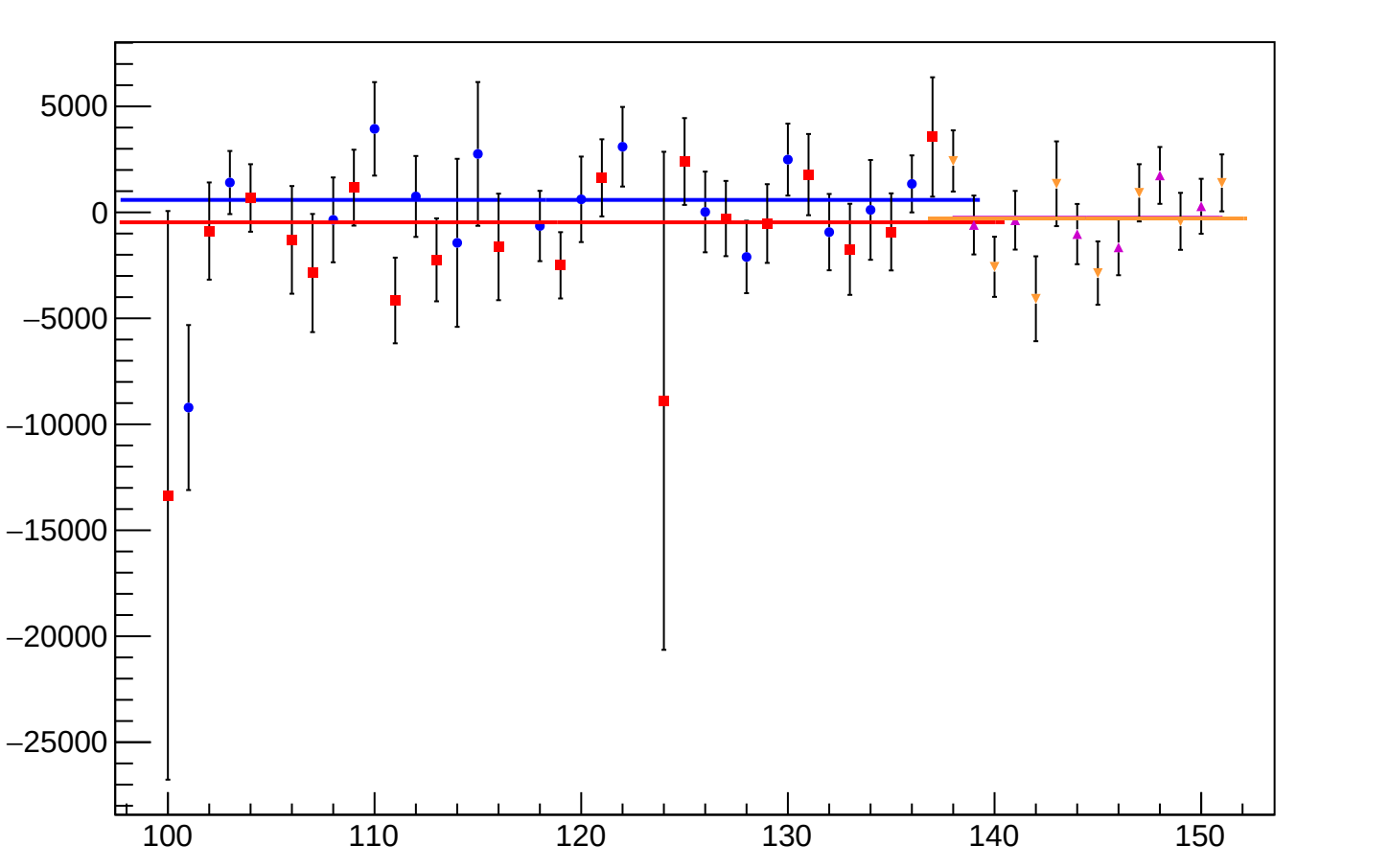
Left: 0.000+/-0.000 χ^2/NDF: 1256472.3/13

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5161756.0/21

Out: 0.000+/-0.000 χ^2/NDF:6388812.4/26

All: 0.000+/-0.000 χ^2/NDF: 11551896.9/48



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -287.887+/-528.636 χ^2/NDF:15.7/7

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -252.912+/-553.517 χ^2/NDF:3.9/5

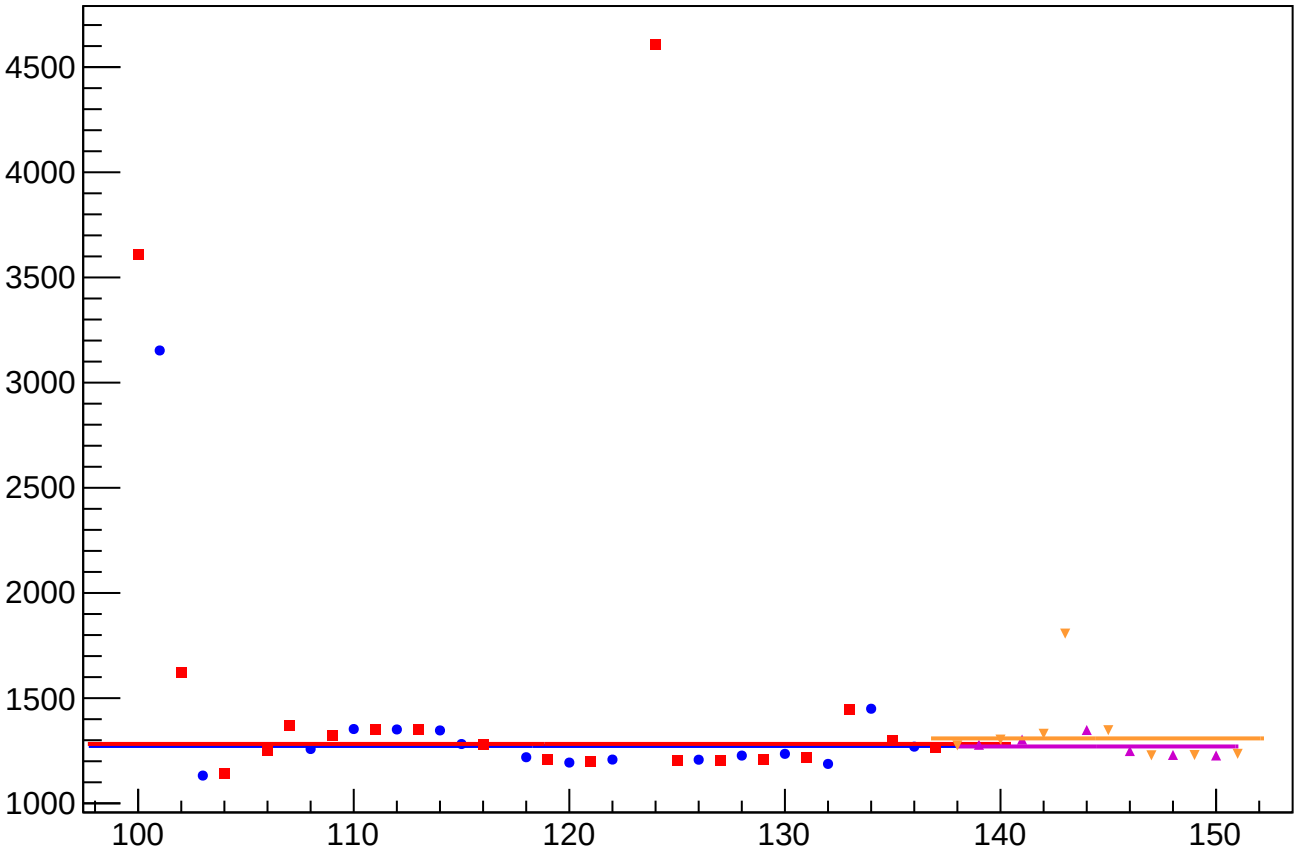
Left: -271.203+/-382.296 χ^2/NDF: 19.6/13

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 224.368+/-363.684 χ^2/NDF:22.3/21

Out: -387.067+/-355.574 χ^2/NDF:32.6/26

All: -88.243+/-254.248 χ^2/NDF: 56.3/48



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

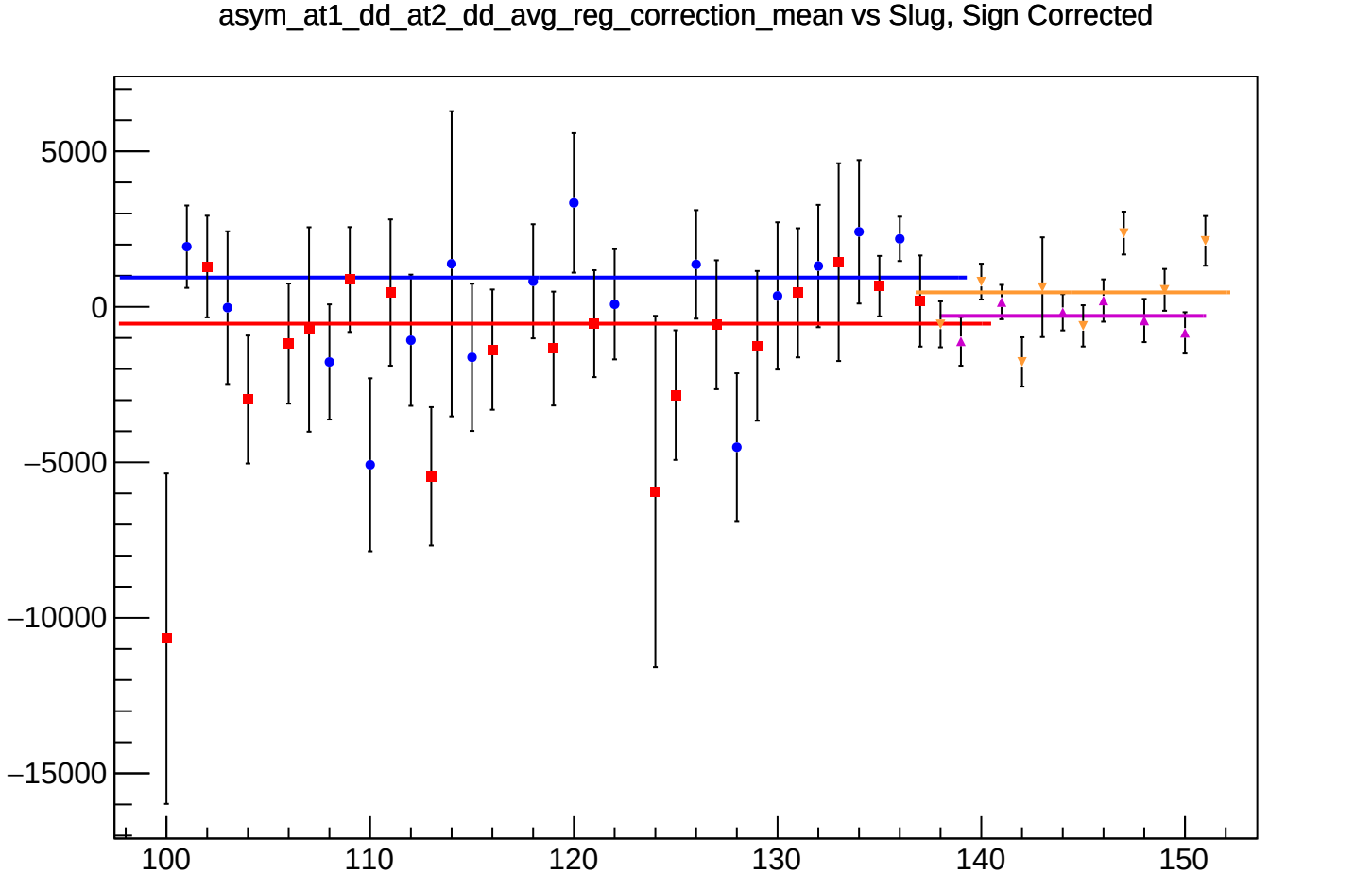
Left: 1290.341+/-0.270 χ^2/NDF: 163595.5/13

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1271.714+/-0.257 χ^2/NDF:531113.9/21

Out: 1294.252+/-0.251 χ^2/NDF:471563.7/26

All: 1283.237+/-0.180 χ^2/NDF: 1006604.8/48



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 465.225+/-258.253 χ^2/NDF:24.9/7

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -292.304+/-264.195 χ^2/NDF:3.0/5

Left: 95.075+/-184.677 χ^2/NDF: 32.1/13

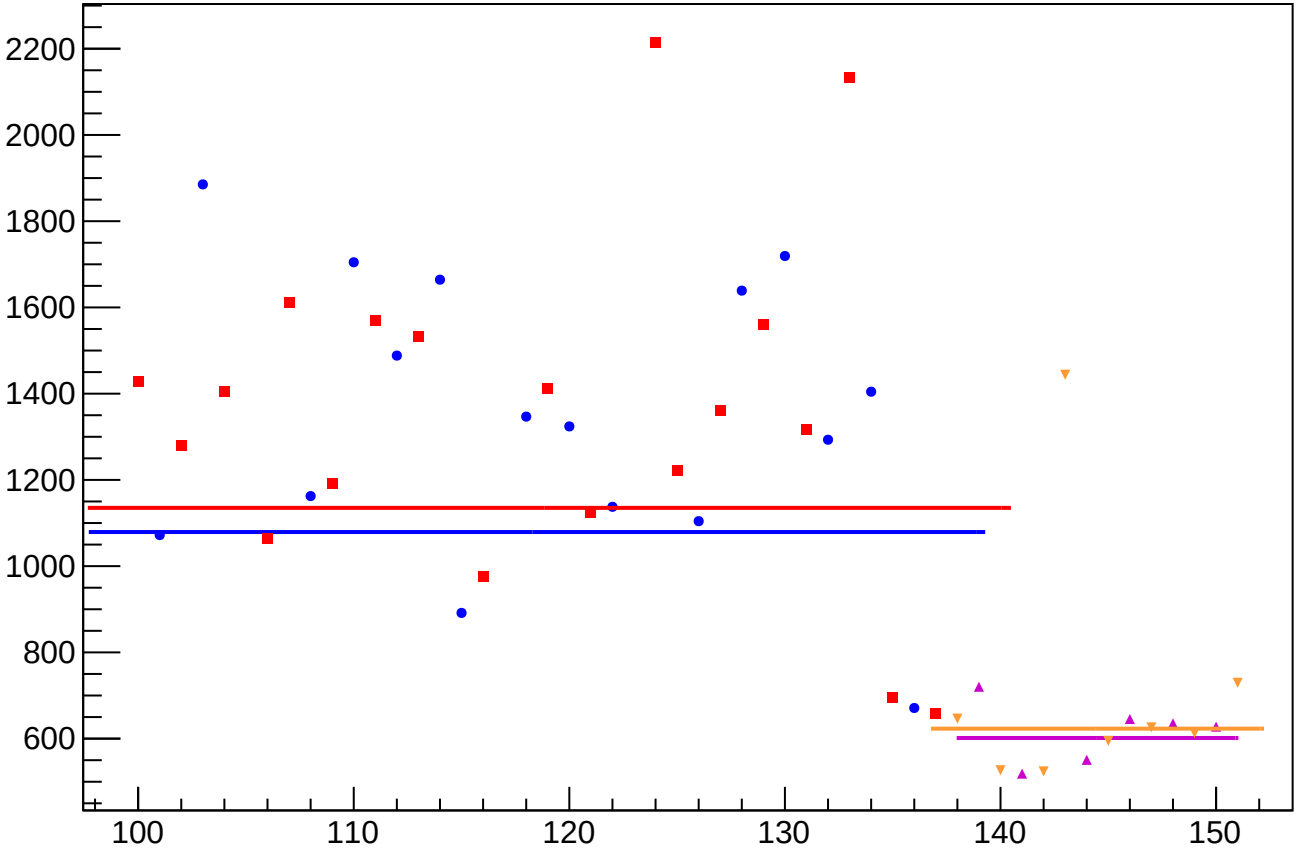
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 50.682+/-224.498 χ^2/NDF:29.0/21

Out: 207.417+/-222.711 χ^2/NDF:45.9/26

All: 129.676+/-158.108 χ^2/NDF: 75.2/48

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: 623.157+/-0.183 χ^2/NDF:652859.0/7

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 601.520+/-0.187 χ^2/NDF:121857.1/5

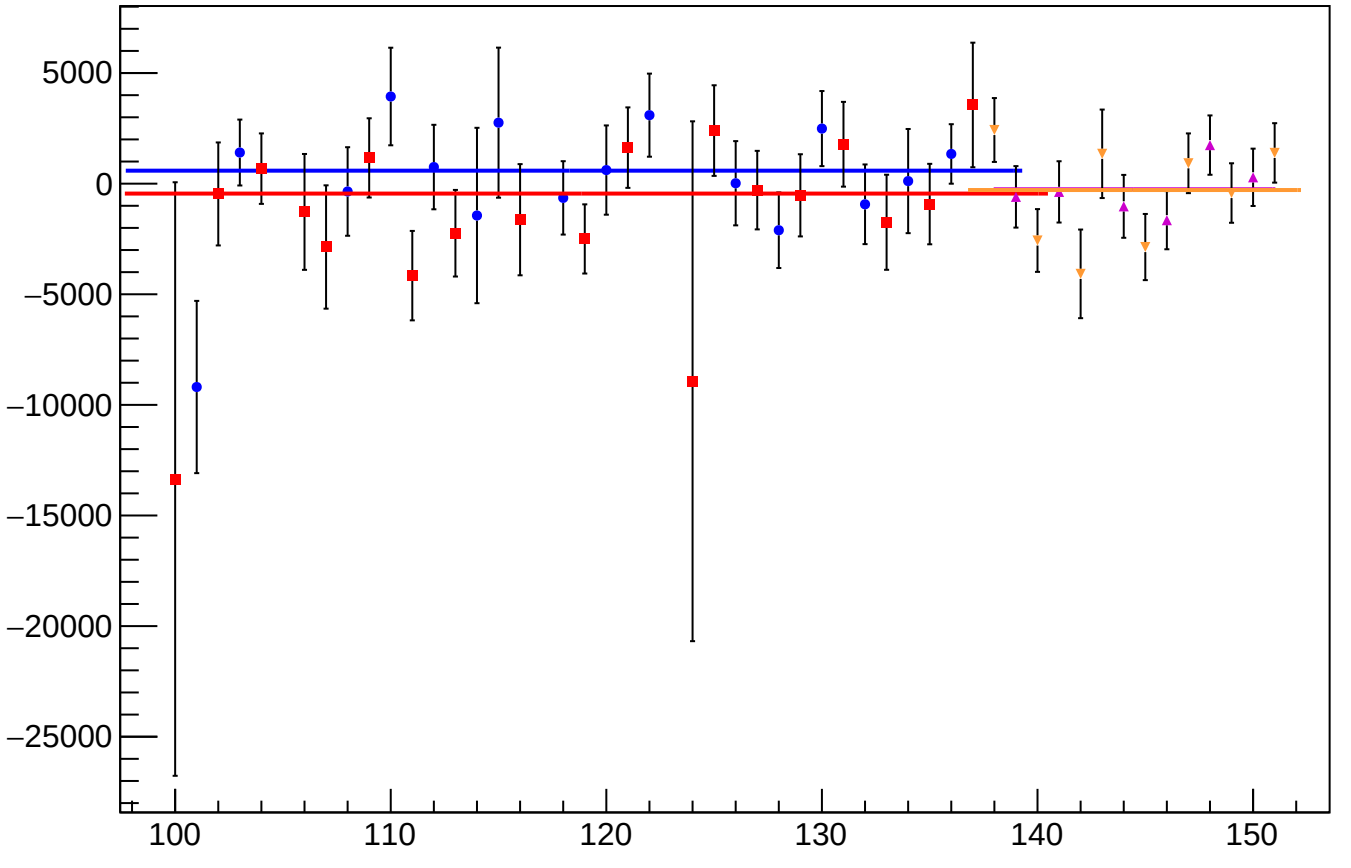
Left: 612.584+/-0.131 χ^2/NDF: 781575.9/13

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 734.260+/-0.159 χ^2/NDF:3420650.0/21

Out: 754.388+/-0.157 χ^2/NDF:3960832.6/26

All: 744.405+/-0.112 χ^2/NDF: 7389585.3/48



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -252.908+/-553.517 χ^2/NDF:3.9/5

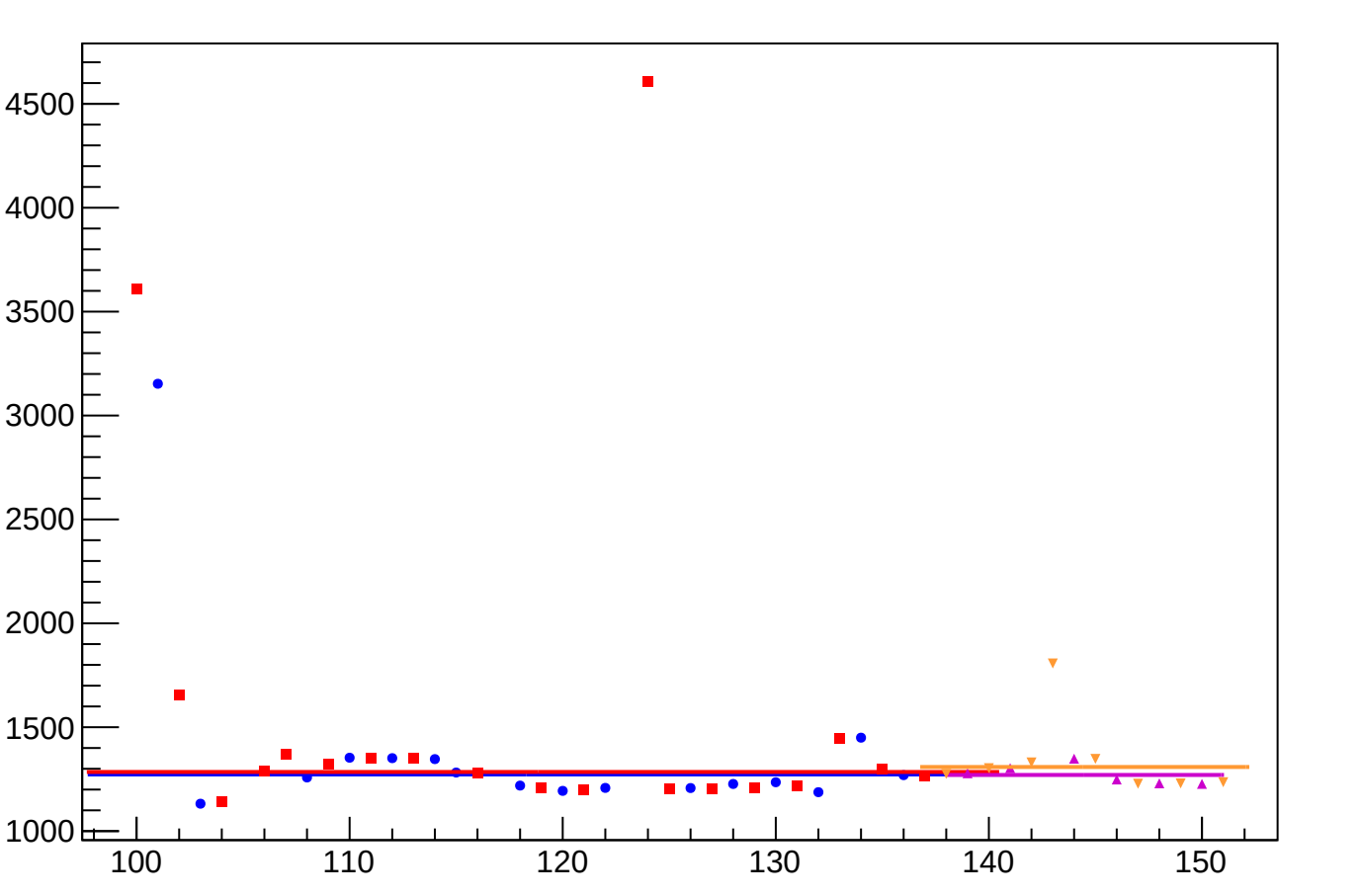
Left: -271.266+/-382.296 χ^2/NDF: 19.6/13

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.552+/-363.684 χ^2/NDF:22.2/21

Out: -375.708+/-355.905 χ^2/NDF:32.6/26

All: -82.067+/-254.368 χ^2/NDF: 56.2/48



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

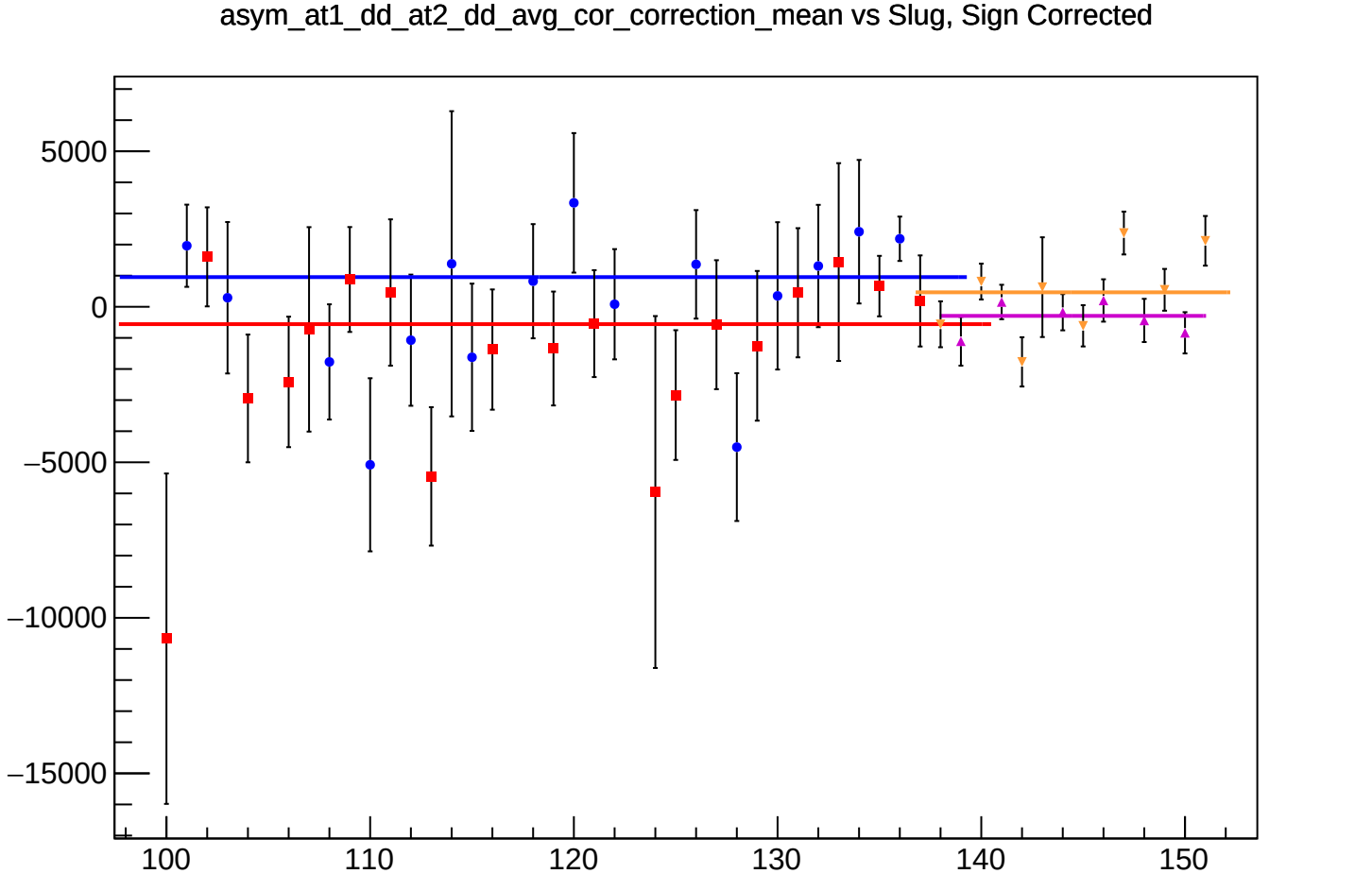
Left: 1290.341+/-0.270 χ^2/NDF: 163595.5/13

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1271.714+/-0.257 χ^2/NDF:531115.3/21

Out: 1295.526+/-0.252 χ^2/NDF:477765.6/26

All: 1283.877+/-0.180 χ^2/NDF: 1013260.6/48



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -292.399+/-264.193 χ^2/NDF:3.0/5

Left: 95.007+/-184.678 χ^2/NDF: 32.1/13

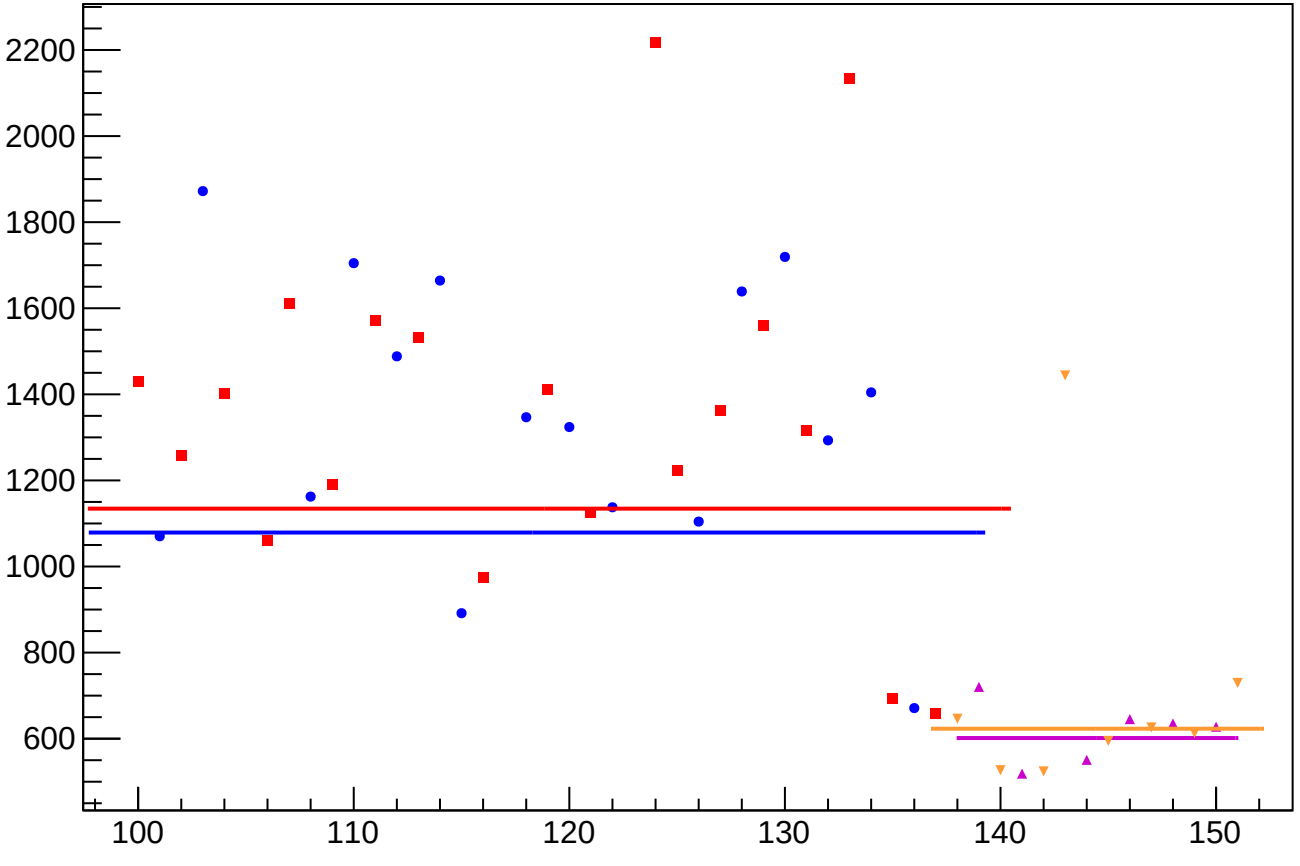
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 54.260+/-224.471 χ^2/NDF:29.1/21

Out: 203.709+/-222.823 χ^2/NDF:47.3/26

All: 129.535+/-158.139 χ^2/NDF: 76.6/48

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 601.515+/-0.187 χ^2/NDF:121881.1/5

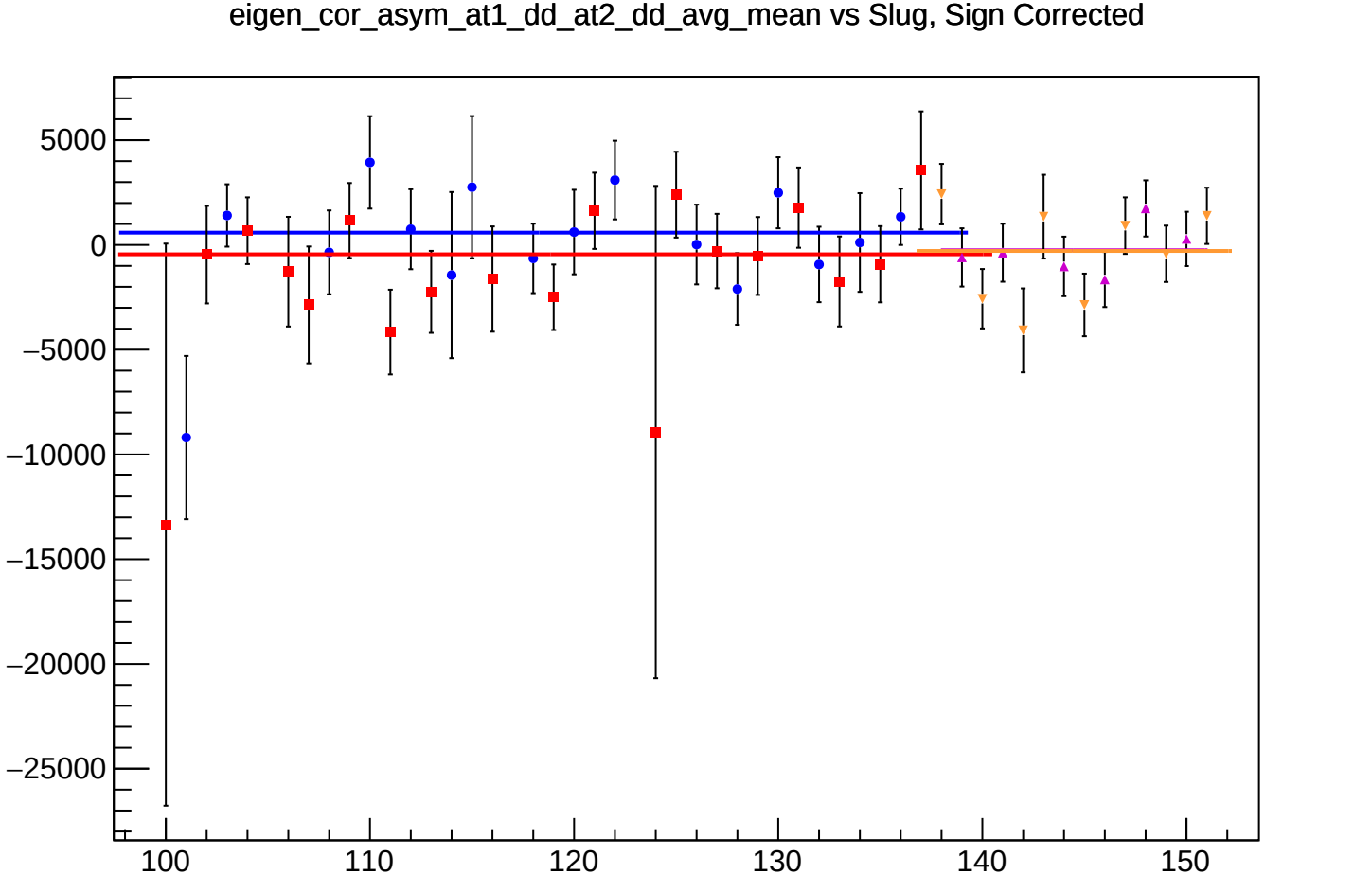
Left: 612.587+/-0.131 χ^2/NDF: 781541.5/13

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 734.282+/-0.159 χ^2/NDF:3416864.6/21

Out: 753.834+/-0.158 χ^2/NDF:3944929.8/26

All: 744.130+/-0.112 χ^2/NDF: 7369436.9/48



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -288.011+/-528.636 χ^2/NDF:15.7/7

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -252.908+/-553.517 χ^2/NDF:3.9/5

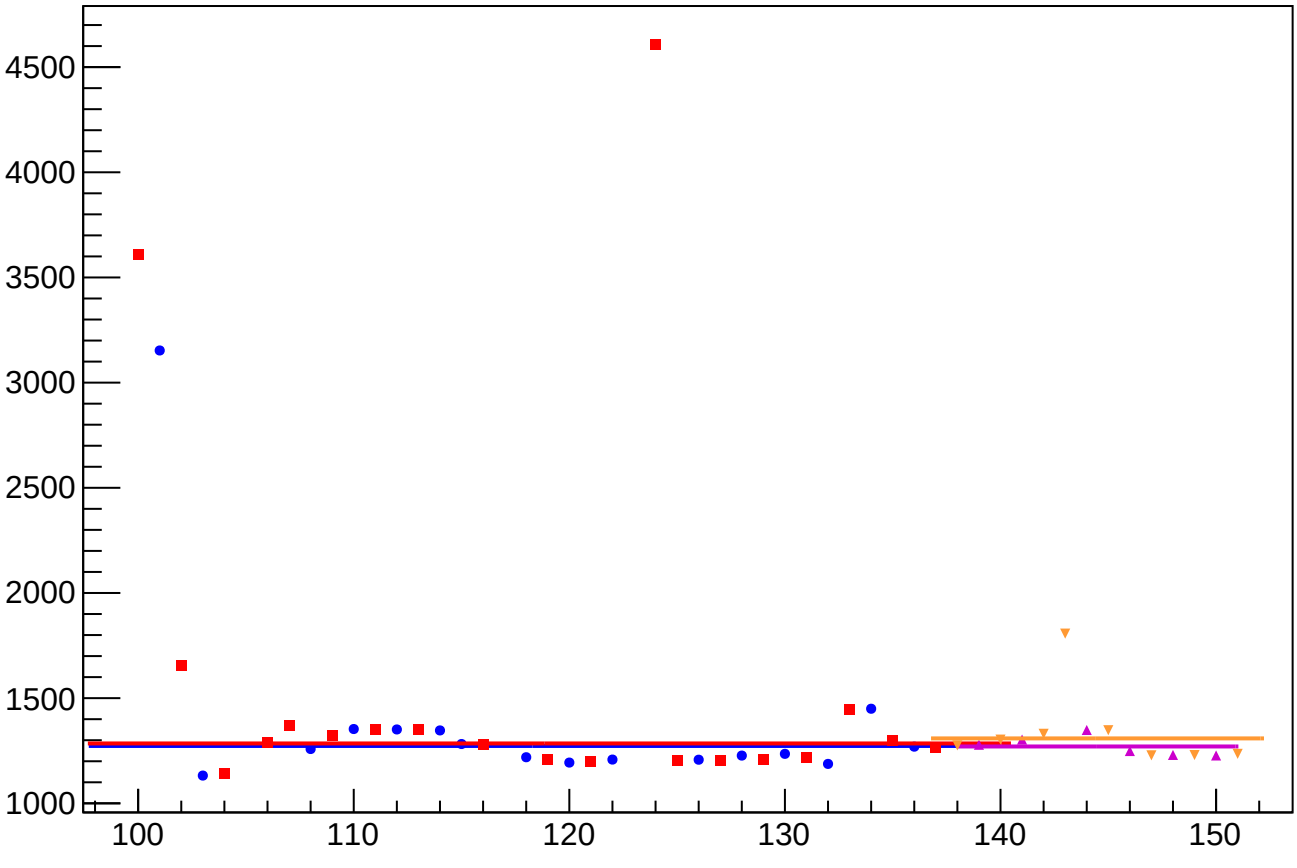
Left: -271.266+/-382.296 χ^2/NDF: 19.6/13

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.552+/-363.684 χ^2/NDF:22.2/21

Out: -375.708+/-355.905 χ^2/NDF:32.6/26

All: -82.067+/-254.368 χ^2/NDF: 56.2/48



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1308.640+/-0.374 χ^2/NDF:146779.5/7

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1270.279+/-0.391 χ^2/NDF:11792.1/5

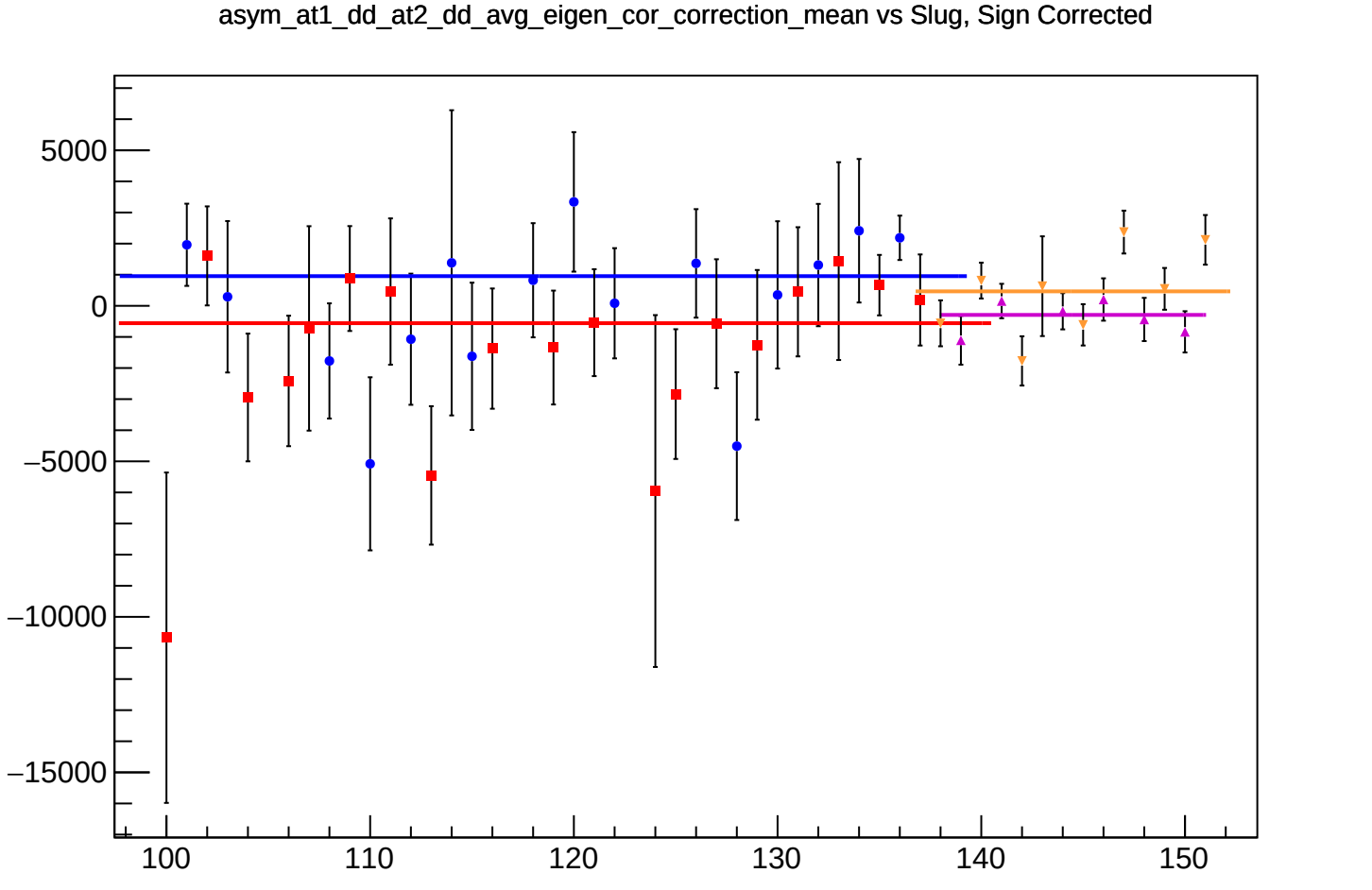
Left: 1290.341+/-0.270 χ^2/NDF: 163595.5/13

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1271.714+/-0.257 χ^2/NDF:531115.3/21

Out: 1295.526+/-0.252 χ^2/NDF:477765.6/26

All: 1283.877+/-0.180 χ^2/NDF: 1013260.6/48



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 465.199+/-258.256 χ^2/NDF:24.9/7

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -292.399+/-264.193 χ^2/NDF:3.0/5

Left: 95.007+/-184.678 χ^2/NDF: 32.1/13

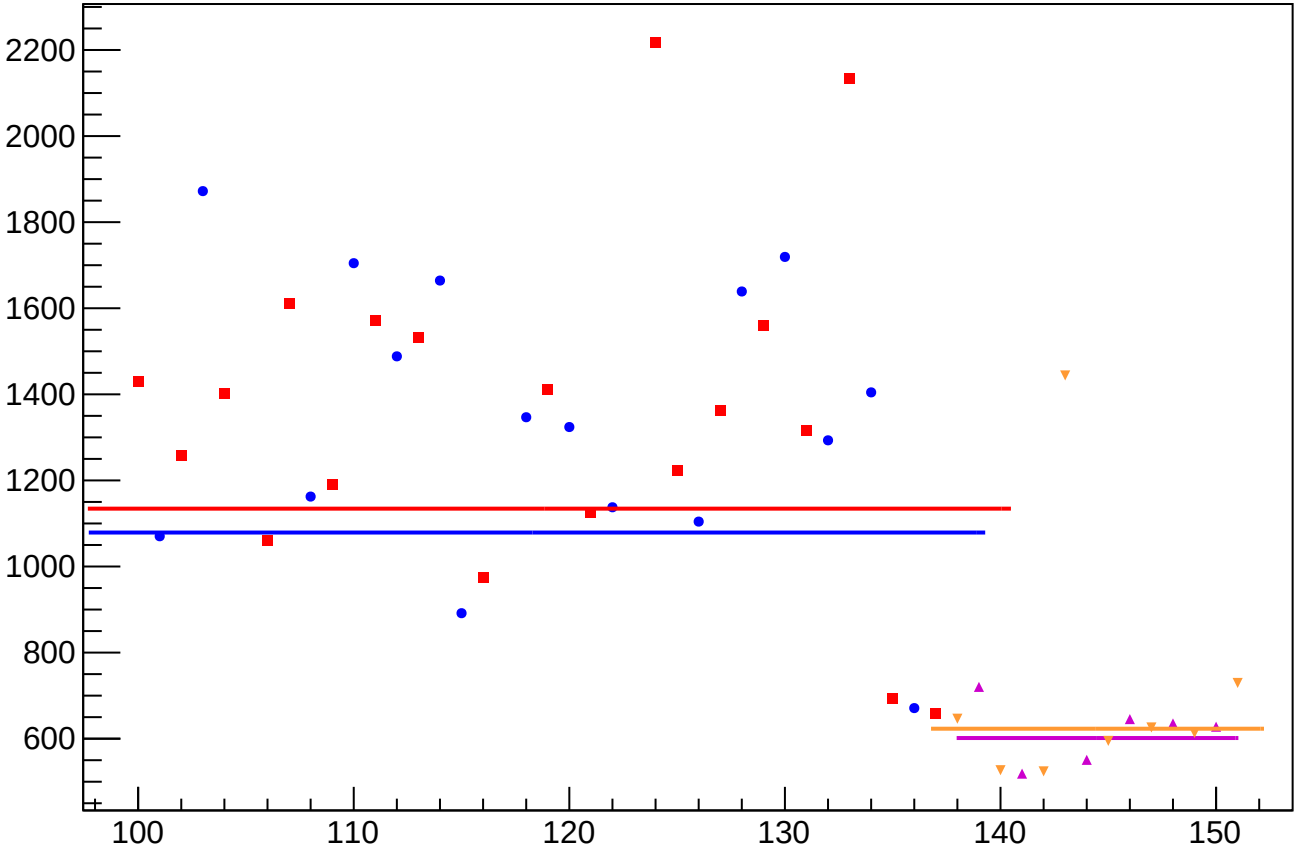
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 54.260+/-224.471 χ^2/NDF:29.1/21

Out: 203.709+/-222.823 χ^2/NDF:47.3/26

All: 129.535+/-158.139 χ^2/NDF: 76.6/48

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: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 601.515+/-0.187 χ^2/NDF:121881.1/5

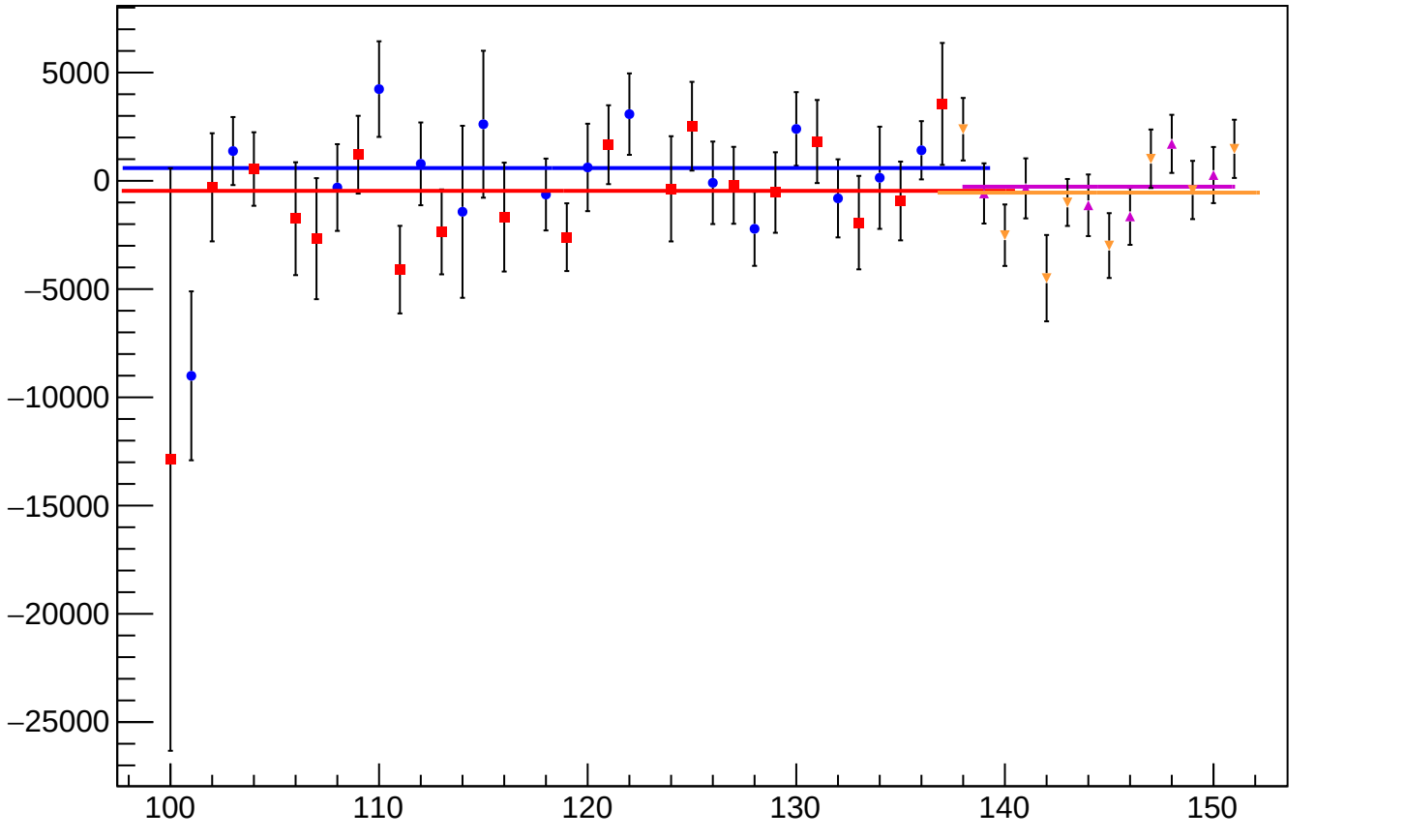
Left: 612.587+/-0.131 χ^2/NDF: 781541.5/13

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 734.282+/-0.159 χ^2/NDF:3416864.6/21

Out: 753.834+/-0.158 χ^2/NDF:3944929.8/26

All: 744.130+/-0.112 χ^2/NDF: 7369436.9/48



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.649+/-489.278 χ^2/NDF:16.4/7

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -270.724+/-553.947 χ^2/NDF:3.8/5

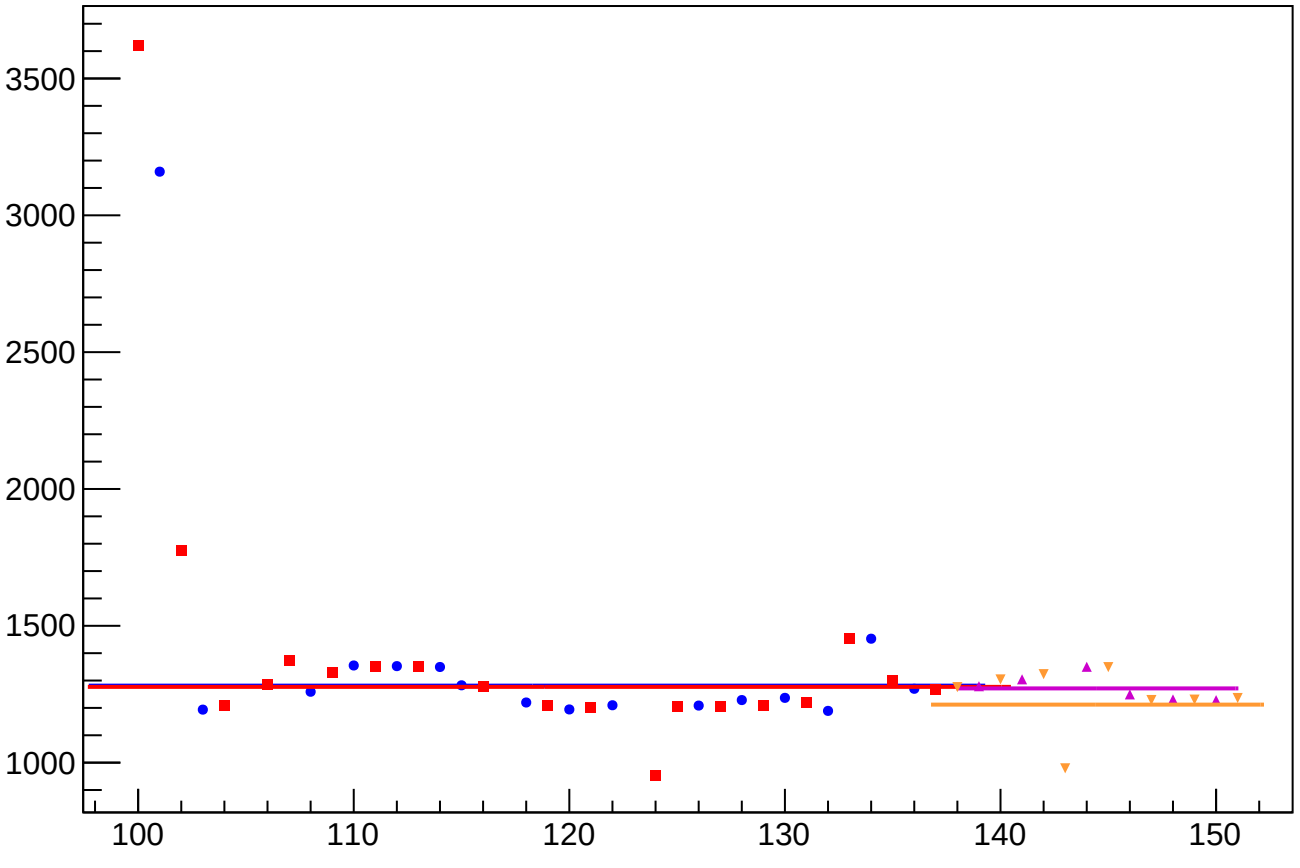
Left: -424.602+/-366.714 χ^2/NDF: 20.4/13

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 216.269+/-365.108 χ^2/NDF:22.3/21

Out: -502.568+/-341.473 χ^2/NDF:33.1/26

All: -167.168+/-249.395 χ^2/NDF: 57.5/48



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1212.007+/-0.346 χ^2/NDF:128840.7/7

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1271.256+/-0.392 χ^2/NDF:11928.1/5

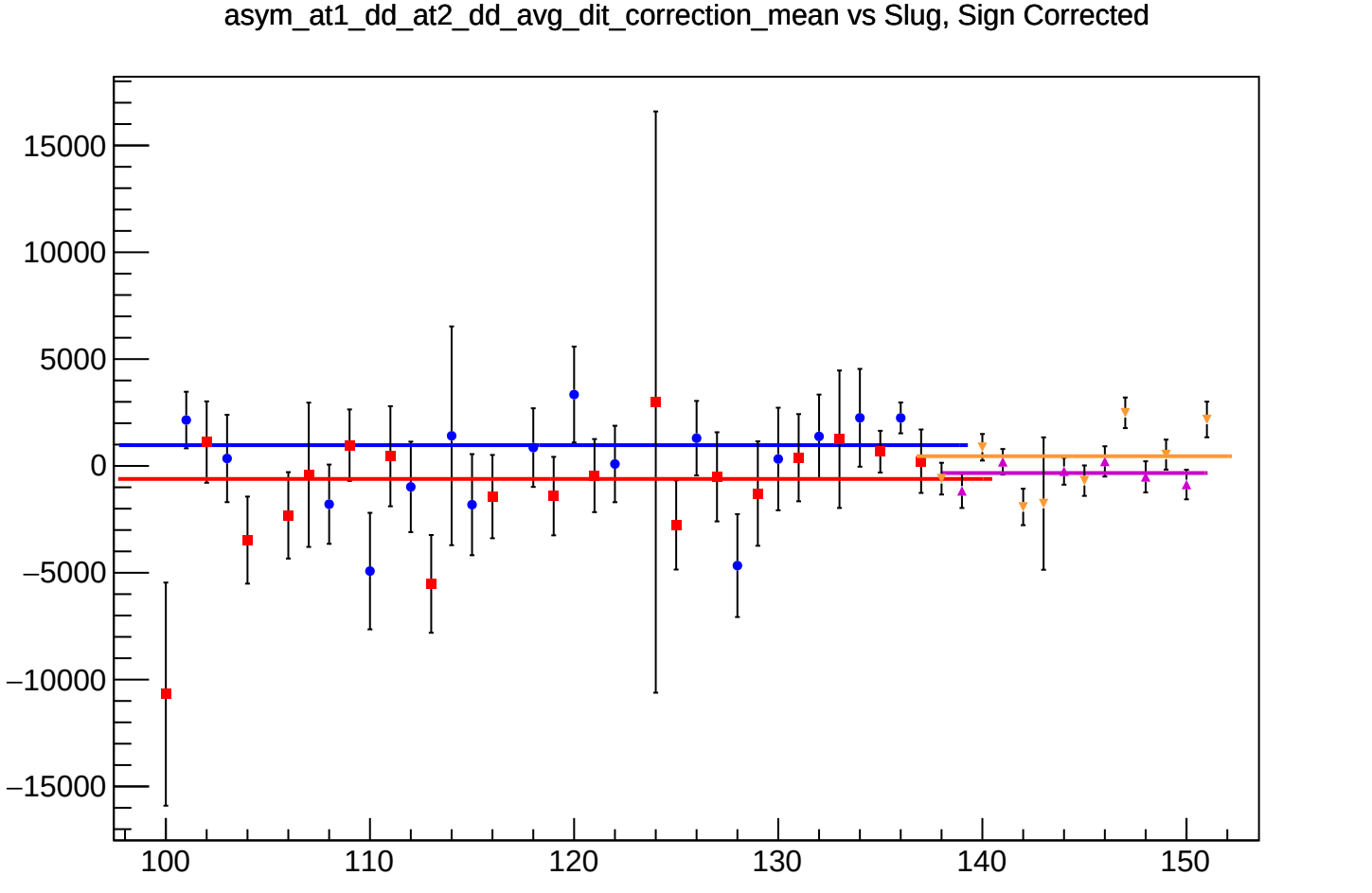
Left: 1237.973+/-0.259 χ^2/NDF: 153621.8/13

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

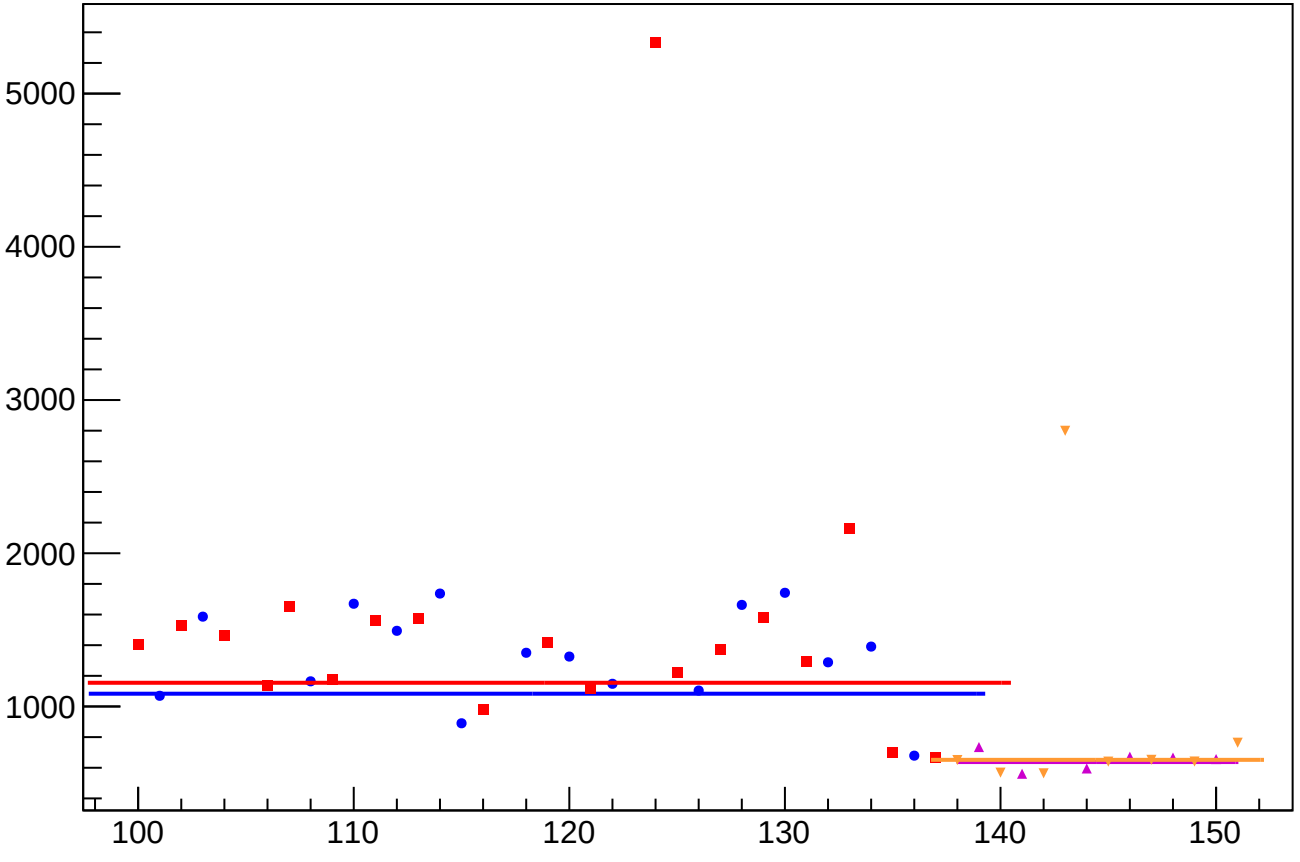
In: 1276.976+/-0.258 χ^2/NDF:519383.5/21

Out: 1245.272+/-0.241 χ^2/NDF:367377.4/26

All: 1260.064+/-0.176 χ^2/NDF: 894805.1/48


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 456.384+/-274.631 χ²/NDF:25.5/7
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -331.565+/-279.294 χ²/NDF:3.1/5
Left: 69.042+/-195.821 χ²/NDF: 32.7/13
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 61.407+/-233.442 χ²/NDF:30.1/21
Out: 165.285+/-234.101 χ²/NDF:46.8/26
All: 113.199+/-165.301 χ²/NDF: 77.0/48

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 651.678+/-0.194 χ^2/NDF:1054627.9/7

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 637.333+/-0.197 χ^2/NDF:80882.0/5

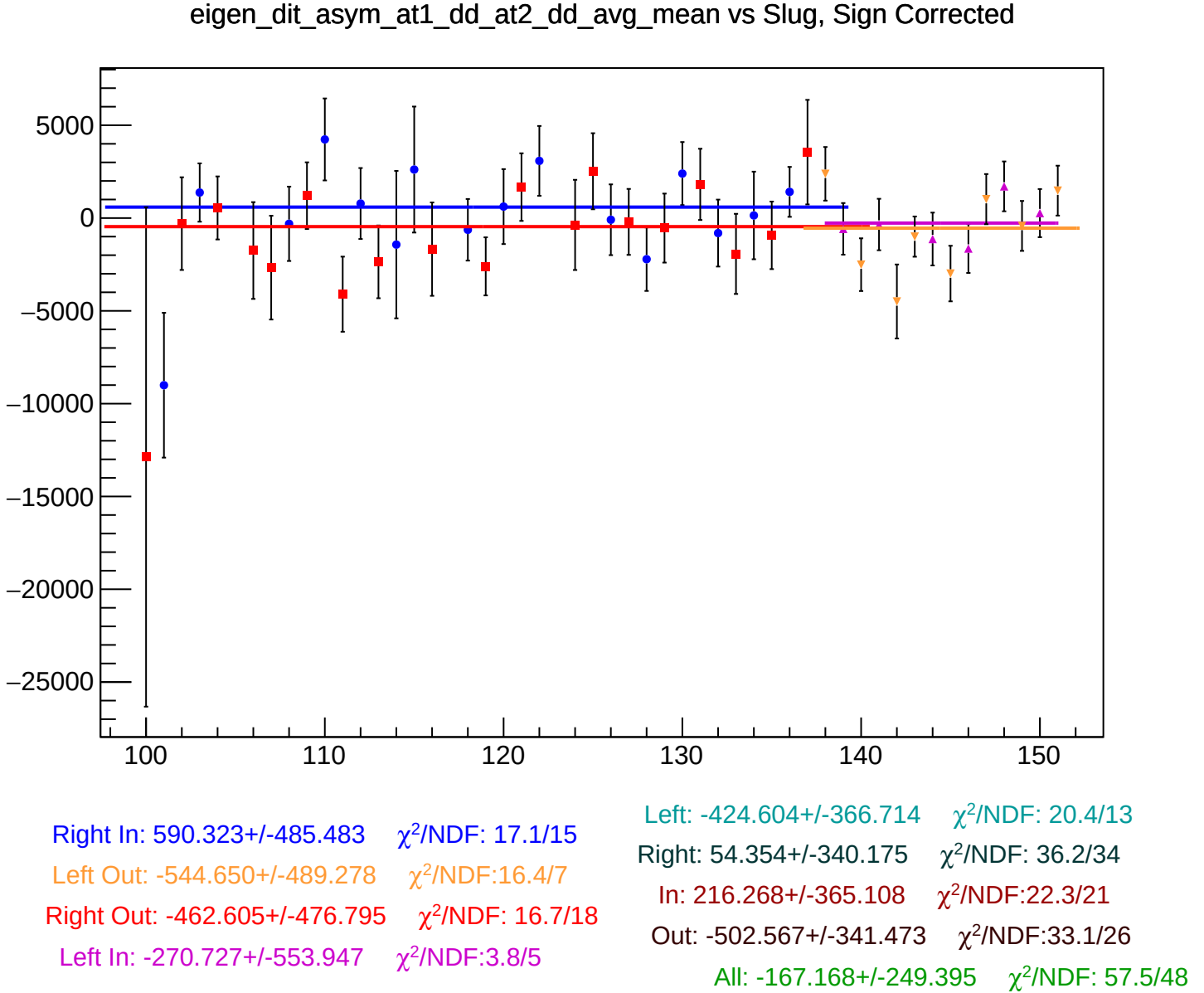
Left: 644.626+/-0.138 χ^2/NDF: 1138192.3/13

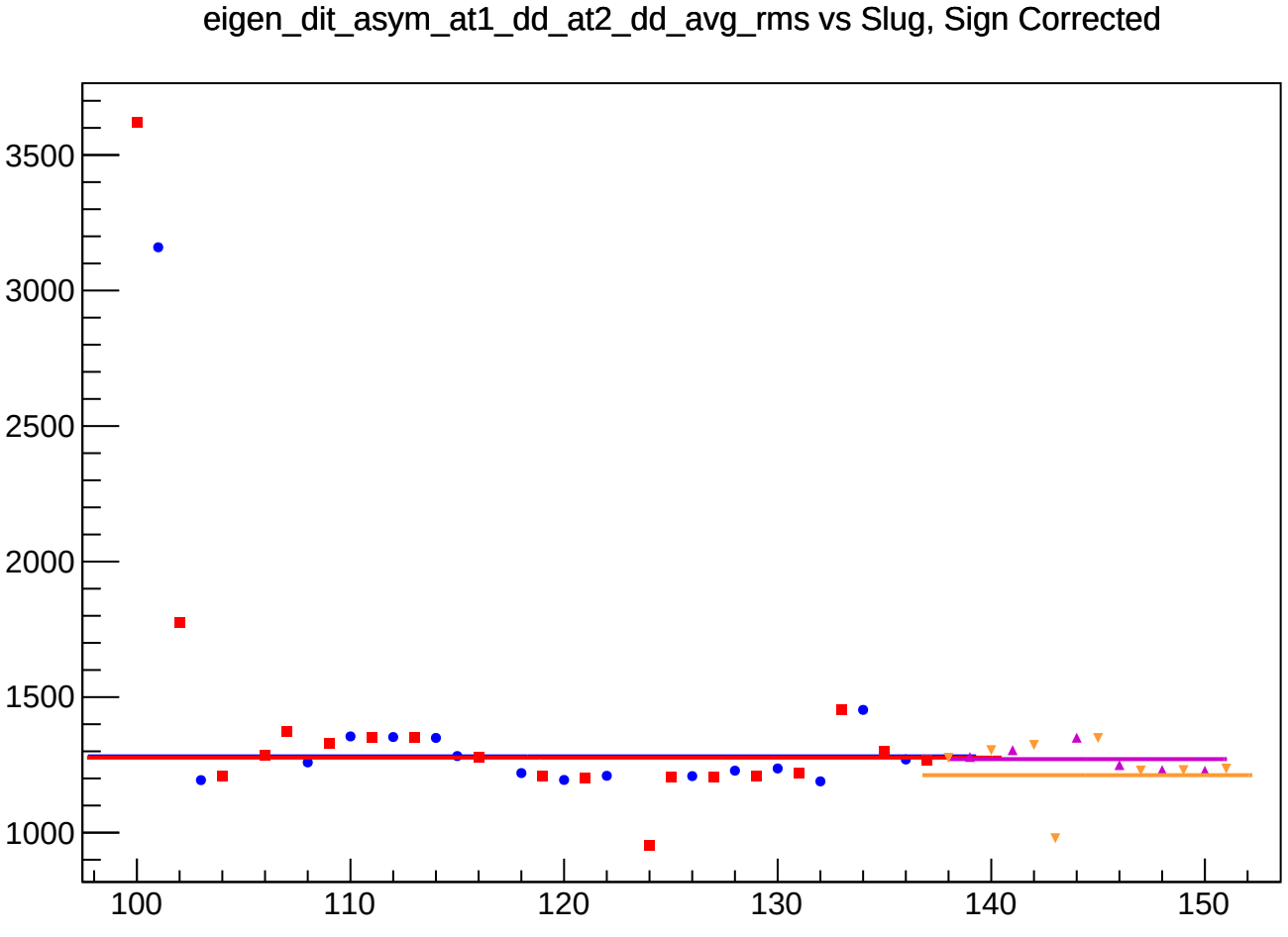
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

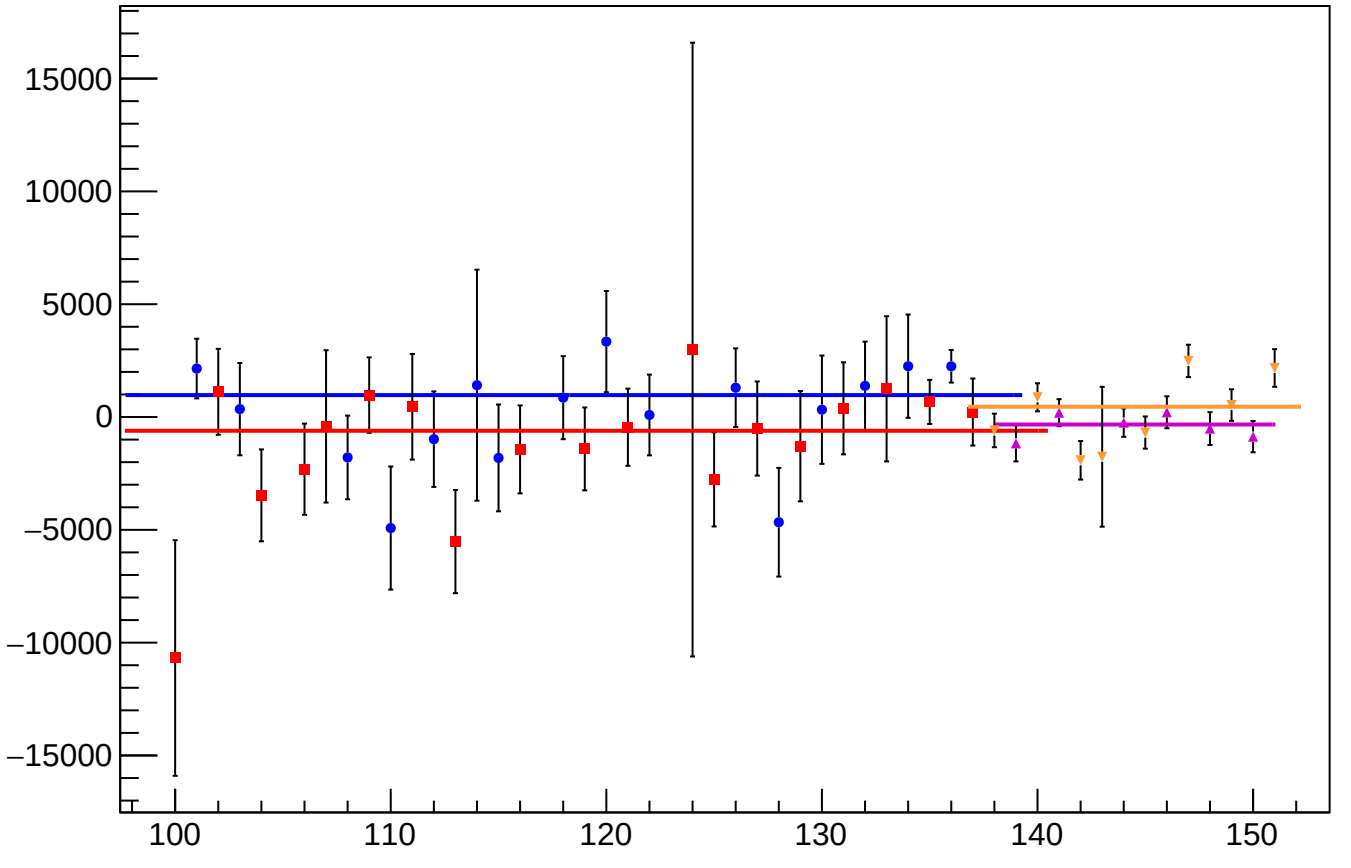
In: 771.755+/-0.165 χ^2/NDF:2978168.1/21

Out: 789.201+/-0.166 χ^2/NDF:4377415.0/26

All: 780.453+/-0.117 χ^2/NDF: 7361152.5/48


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -544.650+/-489.278 χ²/NDF:16.4/7
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -270.727+/-553.947 χ²/NDF:3.8/5
Left: -424.604+/-366.714 χ²/NDF: 20.4/13
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 216.268+/-365.108 χ²/NDF:22.3/21
Out: -502.567+/-341.473 χ²/NDF:33.1/26
All: -167.168+/-249.395 χ²/NDF: 57.5/48


eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1281.369+/-0.343 χ²/NDF: 507078.6/15
Left Out: 1212.007+/-0.346 χ²/NDF:128840.0/7
Right Out: 1276.860+/-0.337 χ²/NDF: 220513.5/18
Left In: 1271.256+/-0.392 χ²/NDF:11928.2/5
Left: 1237.973+/-0.259 χ²/NDF: 153621.0/13
Right: 1279.074+/-0.241 χ²/NDF: 727679.9/34
In: 1276.976+/-0.258 χ²/NDF:519383.7/21
Out: 1245.272+/-0.241 χ²/NDF:367376.4/26
All: 1260.064+/-0.176 χ²/NDF: 894804.3/48



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 456.388+/-274.632 χ^2/NDF:25.5/7

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -331.564+/-279.294 χ^2/NDF:3.1/5

Left: 69.043+/-195.822 χ^2/NDF: 32.7/13

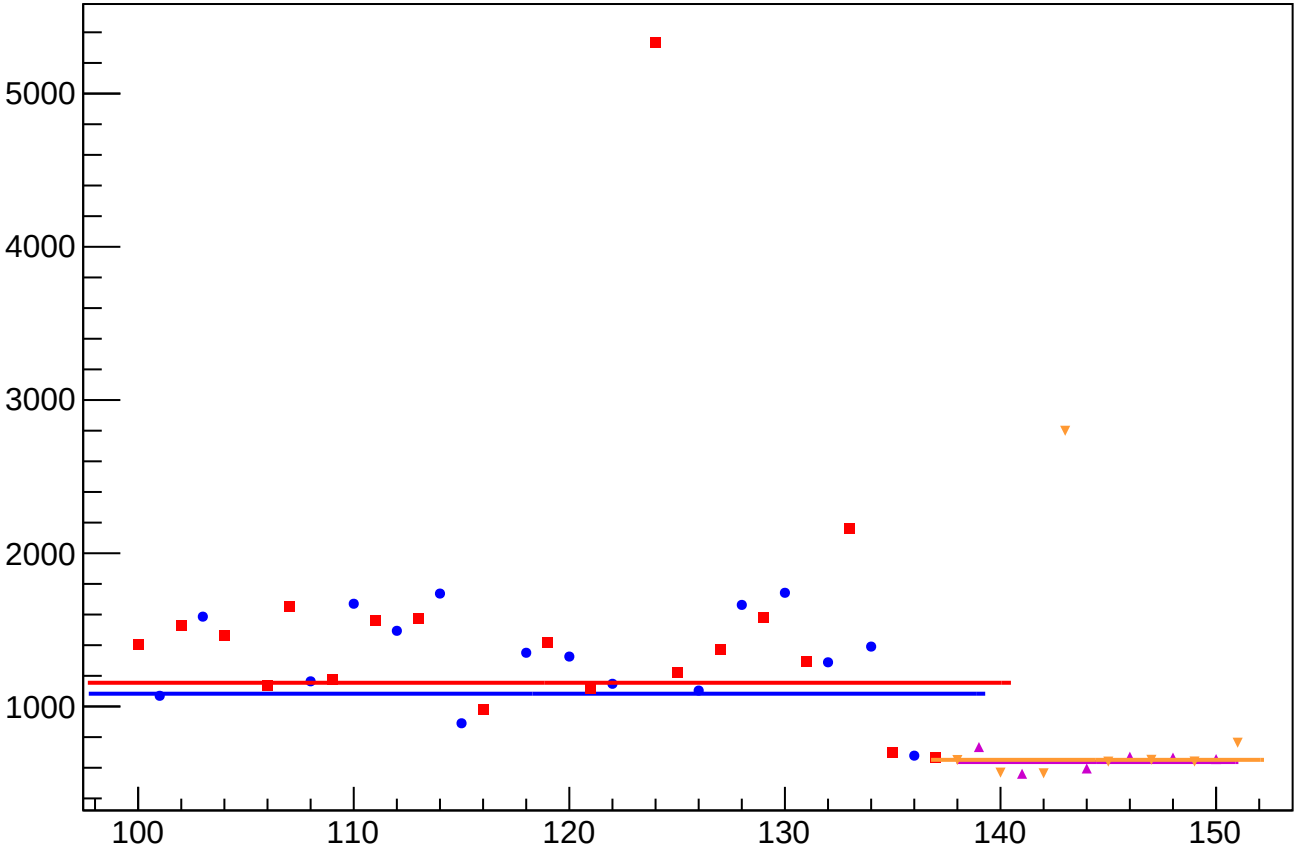
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 61.403+/-233.442 χ^2/NDF:30.1/21

Out: 165.286+/-234.102 χ^2/NDF:46.8/26

All: 113.198+/-165.301 χ^2/NDF: 77.0/48

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 651.680+/-0.194 χ^2/NDF:1054624.2/7

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 637.333+/-0.197 χ^2/NDF:80884.4/5

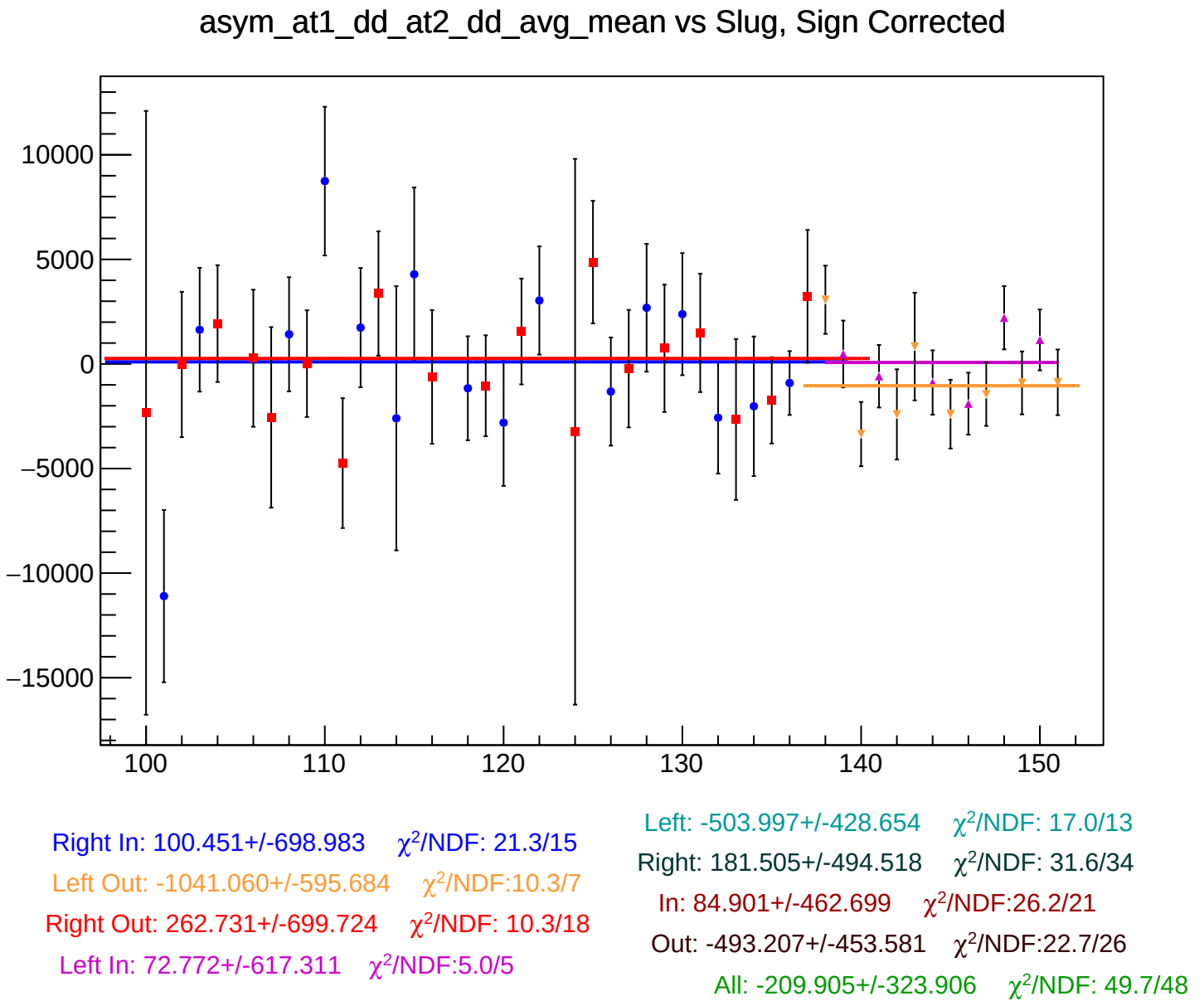
Left: 644.627+/-0.138 χ^2/NDF: 1138191.9/13

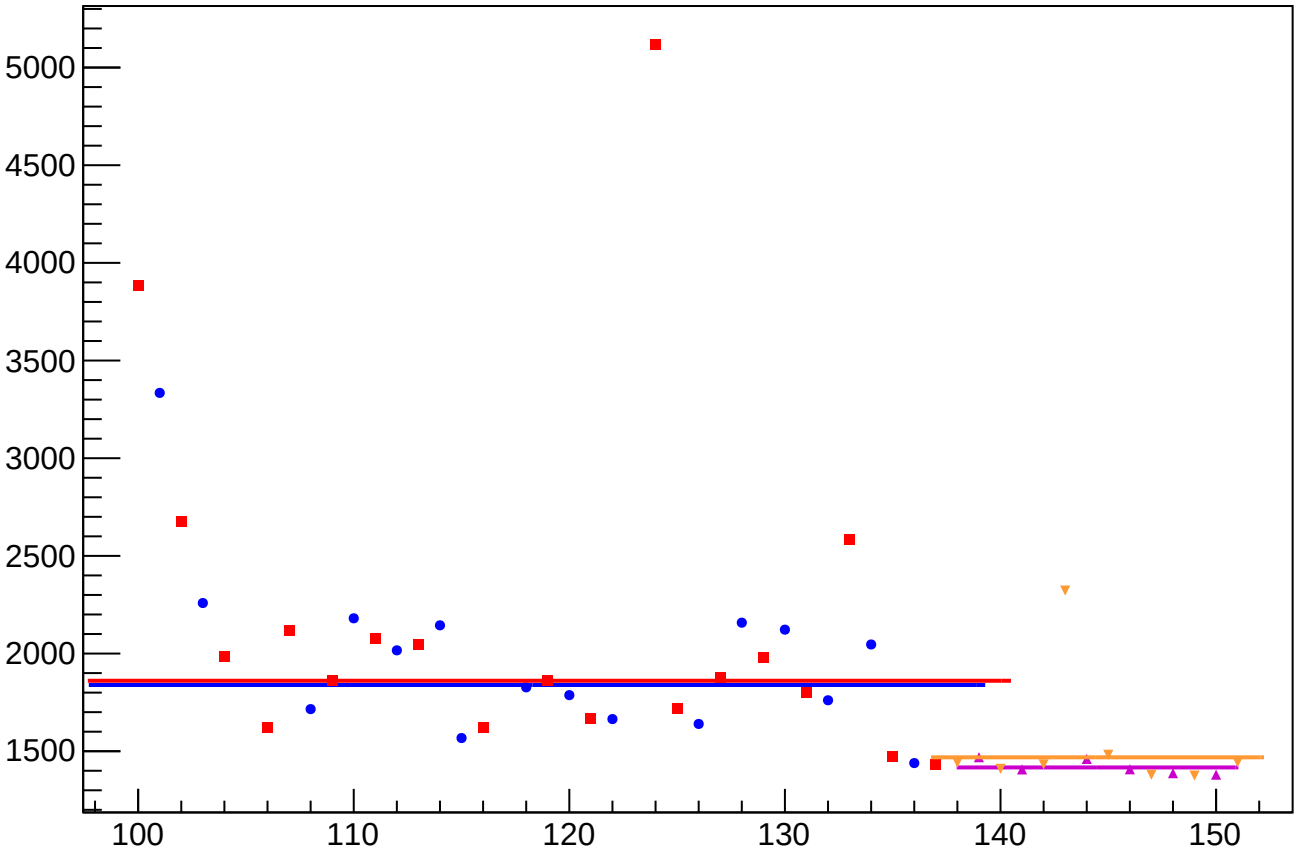
Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 771.755+/-0.165 χ^2/NDF:2978152.5/21

Out: 789.204+/-0.166 χ^2/NDF:4377383.6/26

All: 780.455+/-0.117 χ^2/NDF: 7361106.9/48


asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -1041.060+/-595.684 χ²/NDF:10.3/7
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: 72.772+/-617.311 χ²/NDF:5.0/5
Left: -503.997+/-428.654 χ²/NDF: 17.0/13
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 84.901+/-462.699 χ²/NDF:26.2/21
Out: -493.207+/-453.581 χ²/NDF:22.7/26
All: -209.905+/-323.906 χ²/NDF: 49.7/48



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1468.785+/-0.421 χ^2/NDF:239717.2/7

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1416.951+/-0.437 χ^2/NDF:5960.6/5

Left: 1443.792+/-0.303 χ^2/NDF: 252979.6/13

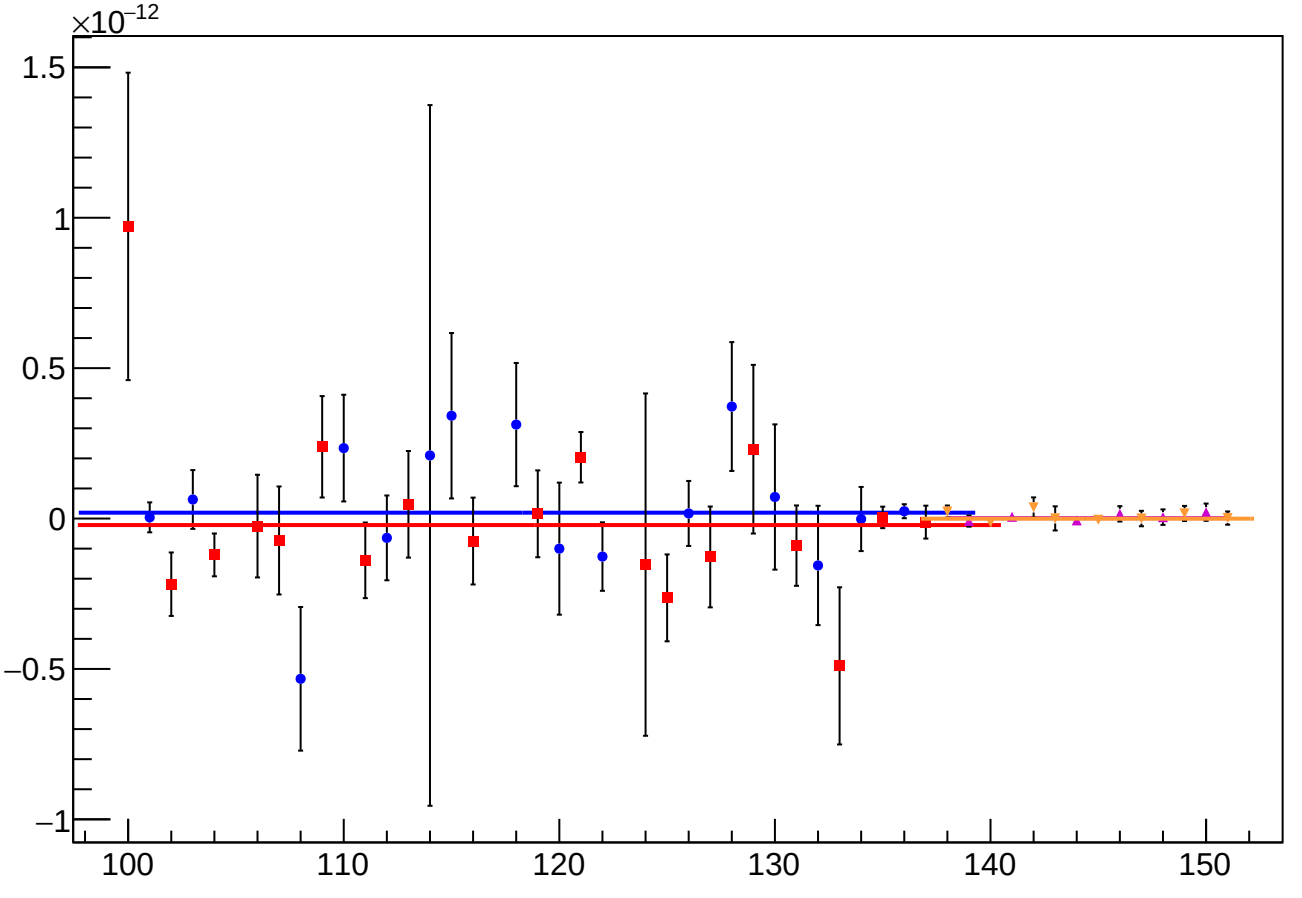
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1601.939+/-0.327 χ^2/NDF:972554.4/21

Out: 1633.492+/-0.321 χ^2/NDF:1125716.3/26

All: 1618.030+/-0.229 χ^2/NDF: 2103013.6/48

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/5

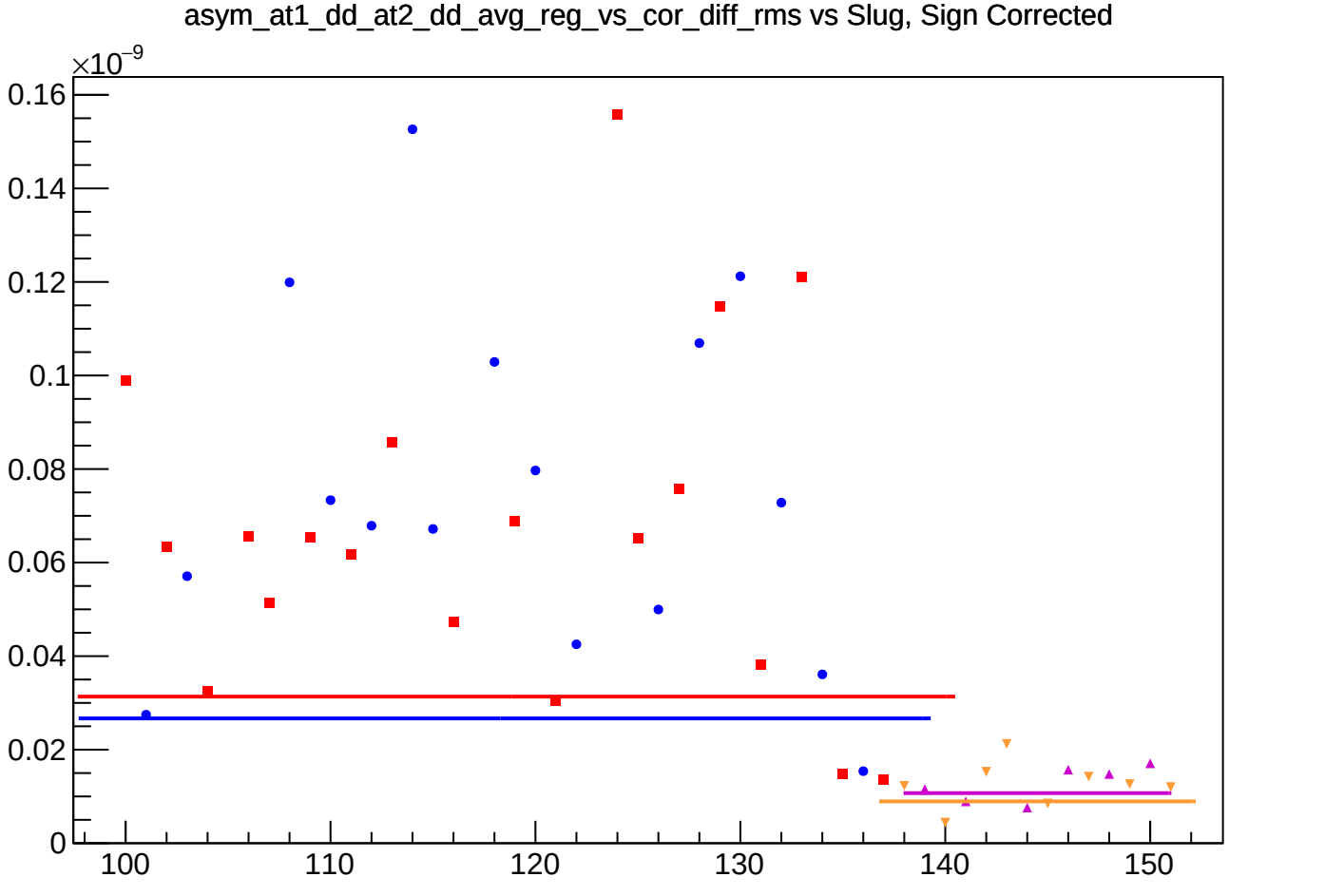
Left: 0.000+/-0.000 χ^2/NDF: 6.0/13

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:18.7/21

Out: -0.000+/-0.000 χ^2/NDF:33.5/26

All: 0.000+/-0.000 χ^2/NDF: 52.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:844883.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:362166.2/5

Left: 0.000+/-0.000 χ^2/NDF: 1265819.5/13

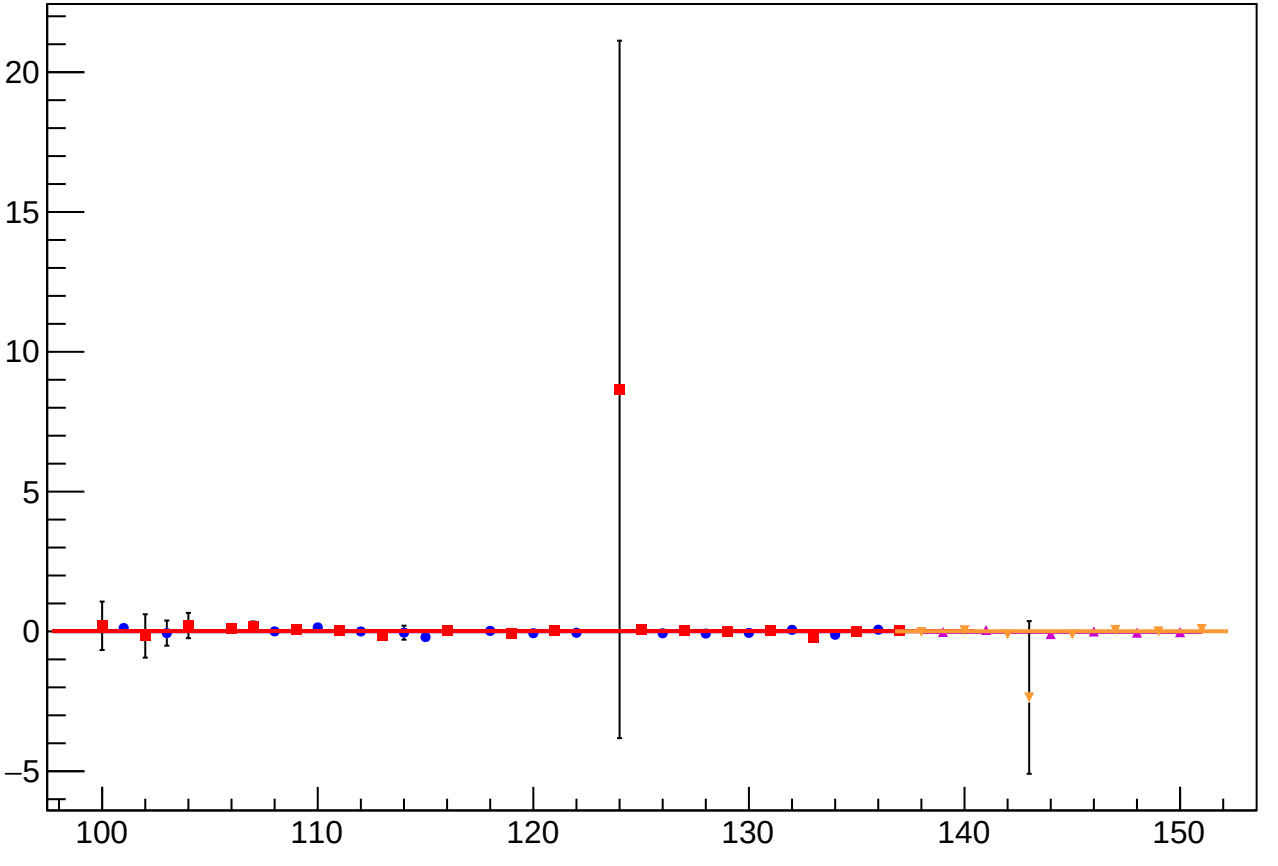
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4174768.7/21

Out: 0.000+/-0.000 χ^2/NDF:4971435.5/26

All: 0.000+/-0.000 χ^2/NDF: 9254367.7/48

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: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.016 χ^2/NDF:3.9/5

Left: -0.006+/-0.011 χ^2/NDF: 16.9/13

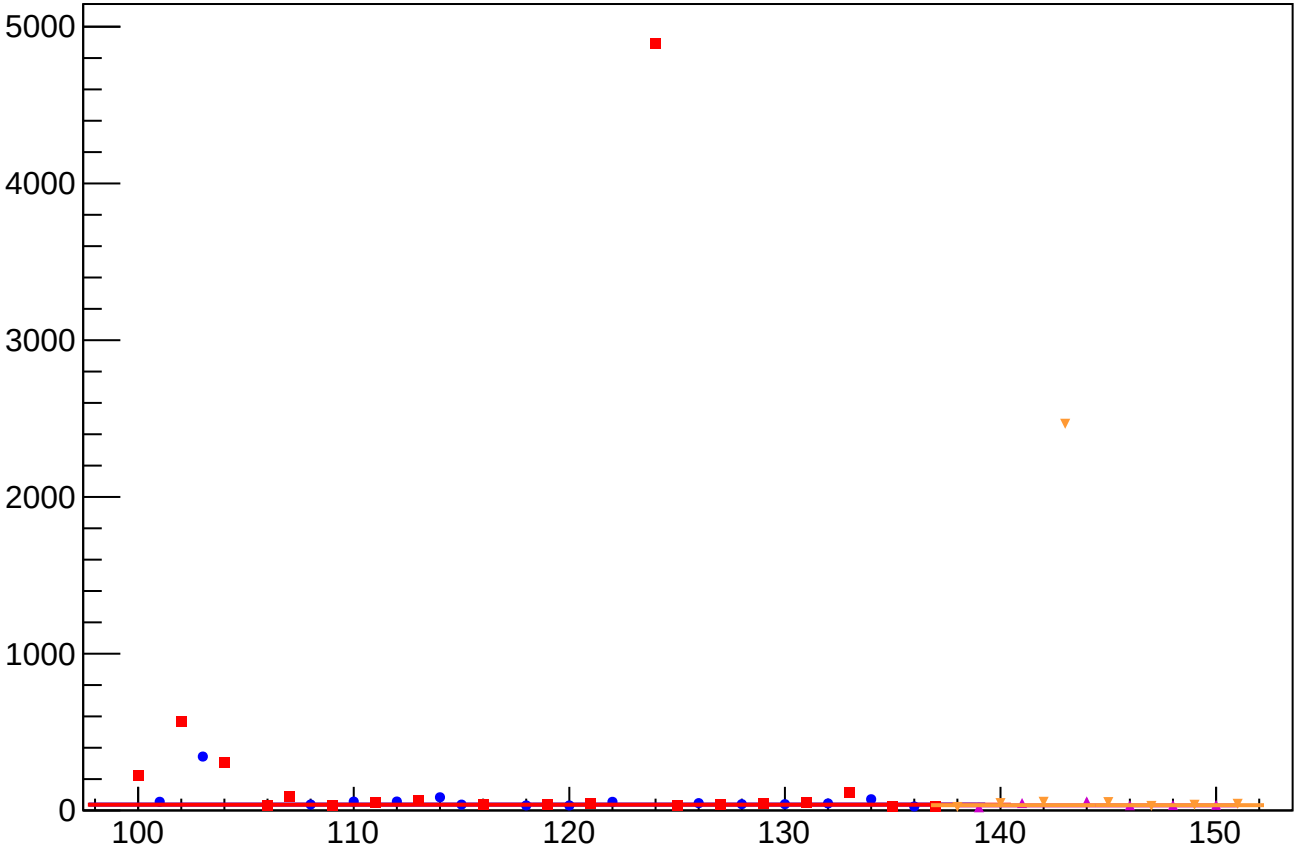
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.011 χ^2/NDF:24.6/21

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/48

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.647+/-0.011 χ^2/NDF:2486052.1/7

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.499+/-0.011 χ^2/NDF:904074.5/5

Left: 33.068+/-0.008 χ^2/NDF: 3395226.0/13

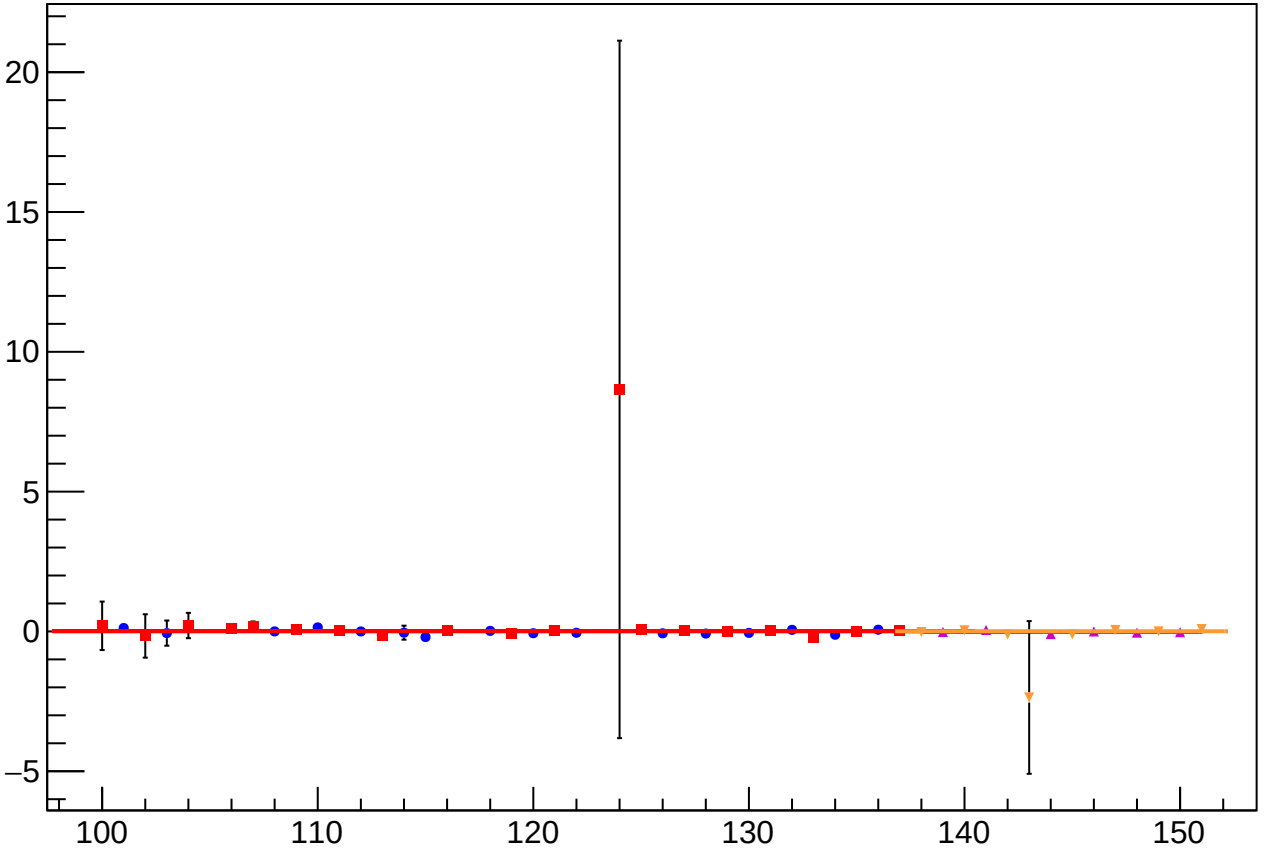
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.985+/-0.008 χ^2/NDF:2984322.9/21

Out: 35.162+/-0.008 χ^2/NDF:5713009.3/26

All: 35.072+/-0.006 χ^2/NDF: 8697572.1/48

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: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.016 χ^2/NDF:3.9/5

Left: -0.006+/-0.011 χ^2/NDF: 16.9/13

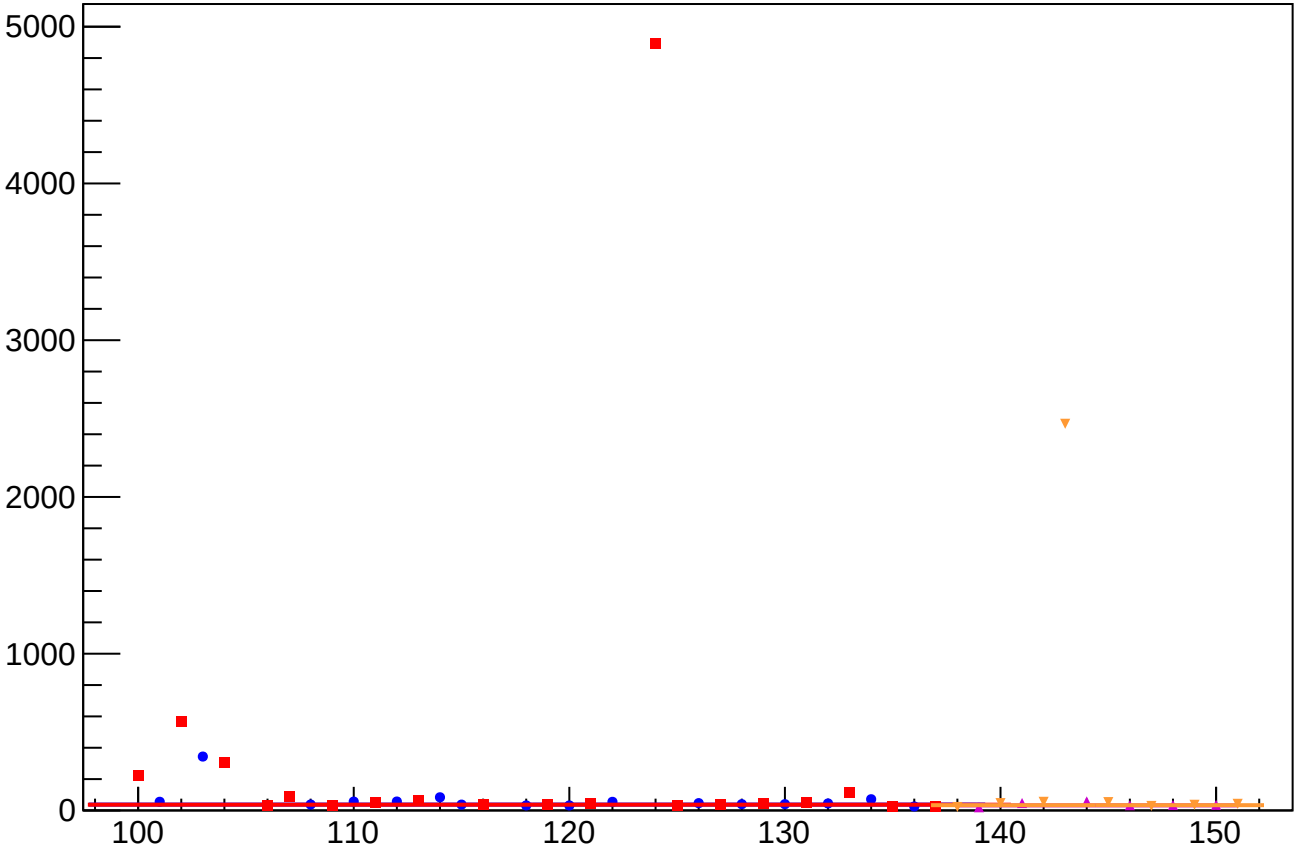
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.011 χ^2/NDF:24.6/21

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/48

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.647+/-0.011 χ^2/NDF:2486052.1/7

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.499+/-0.011 χ^2/NDF:904074.5/5

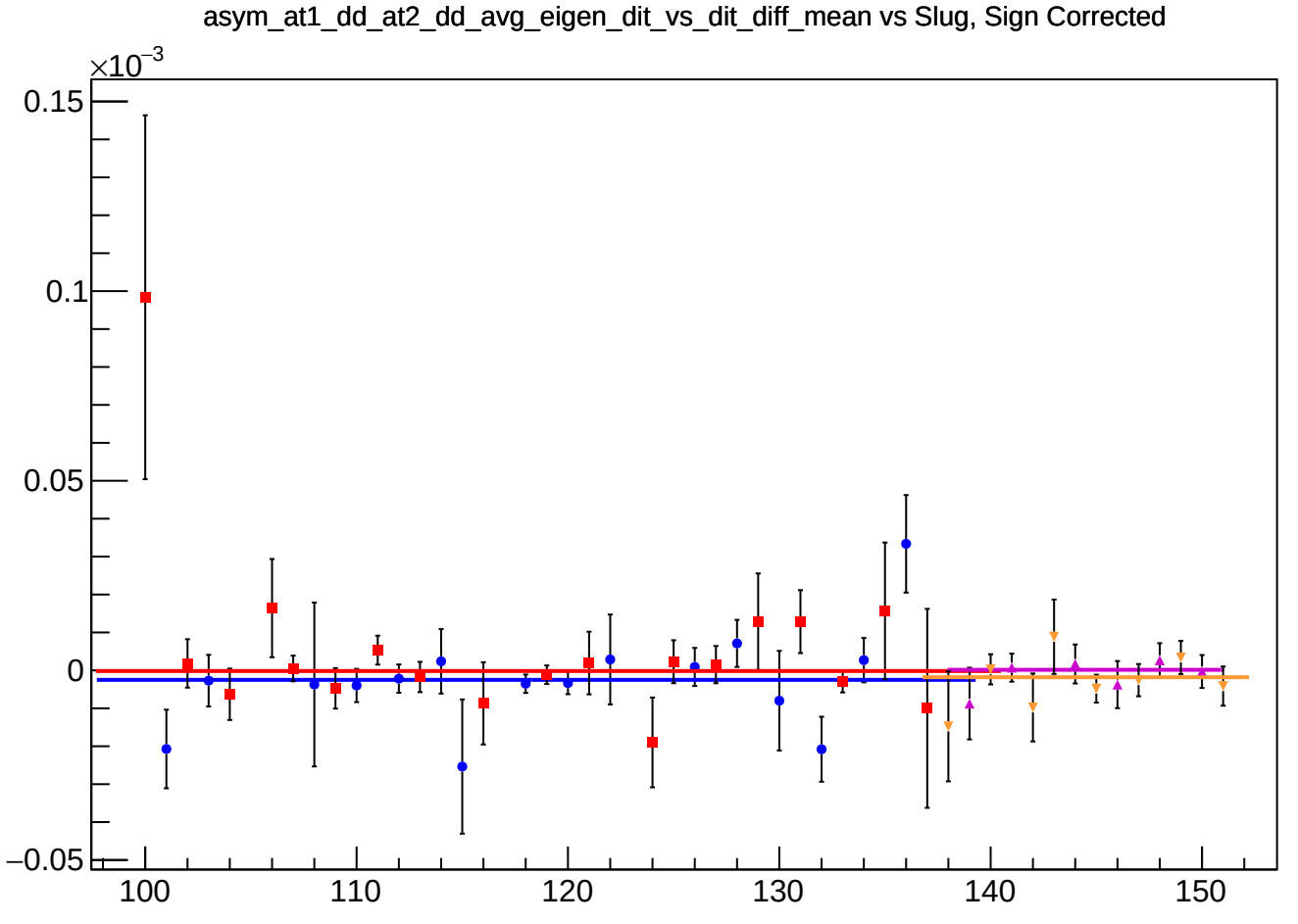
Left: 33.068+/-0.008 χ^2/NDF: 3395226.0/13

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.985+/-0.008 χ^2/NDF:2984322.9/21

Out: 35.162+/-0.008 χ^2/NDF:5713009.3/26

All: 35.072+/-0.006 χ^2/NDF: 8697572.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/5

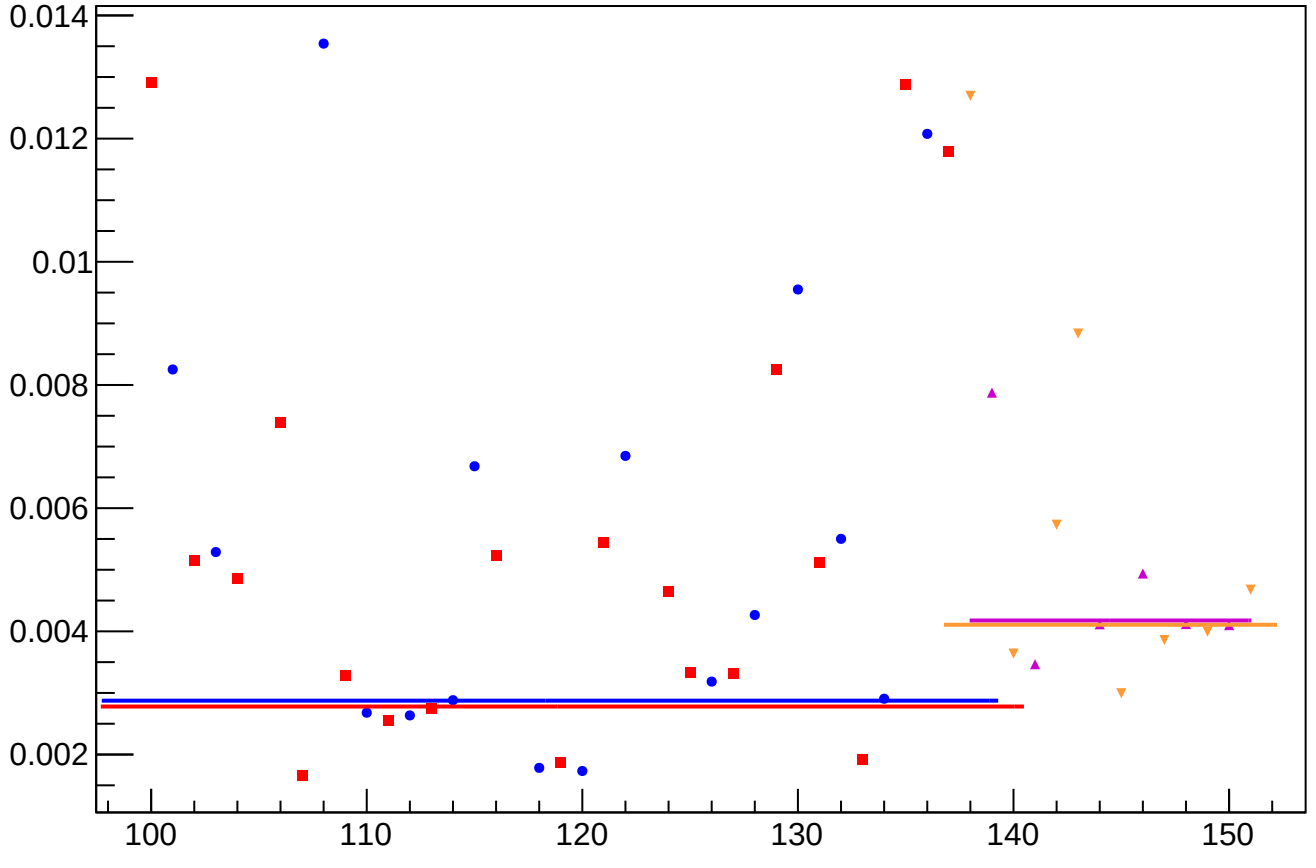
Left: -0.000+/-0.000 χ^2/NDF: 7.6/13

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:24.8/21

Out: -0.000+/-0.000 χ^2/NDF:24.8/26

All: -0.000+/-0.000 χ^2/NDF: 50.1/48



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1477024.7/7

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:411345.4/5

Left: 0.004+/-0.000 χ^2/NDF: 1889714.1/13

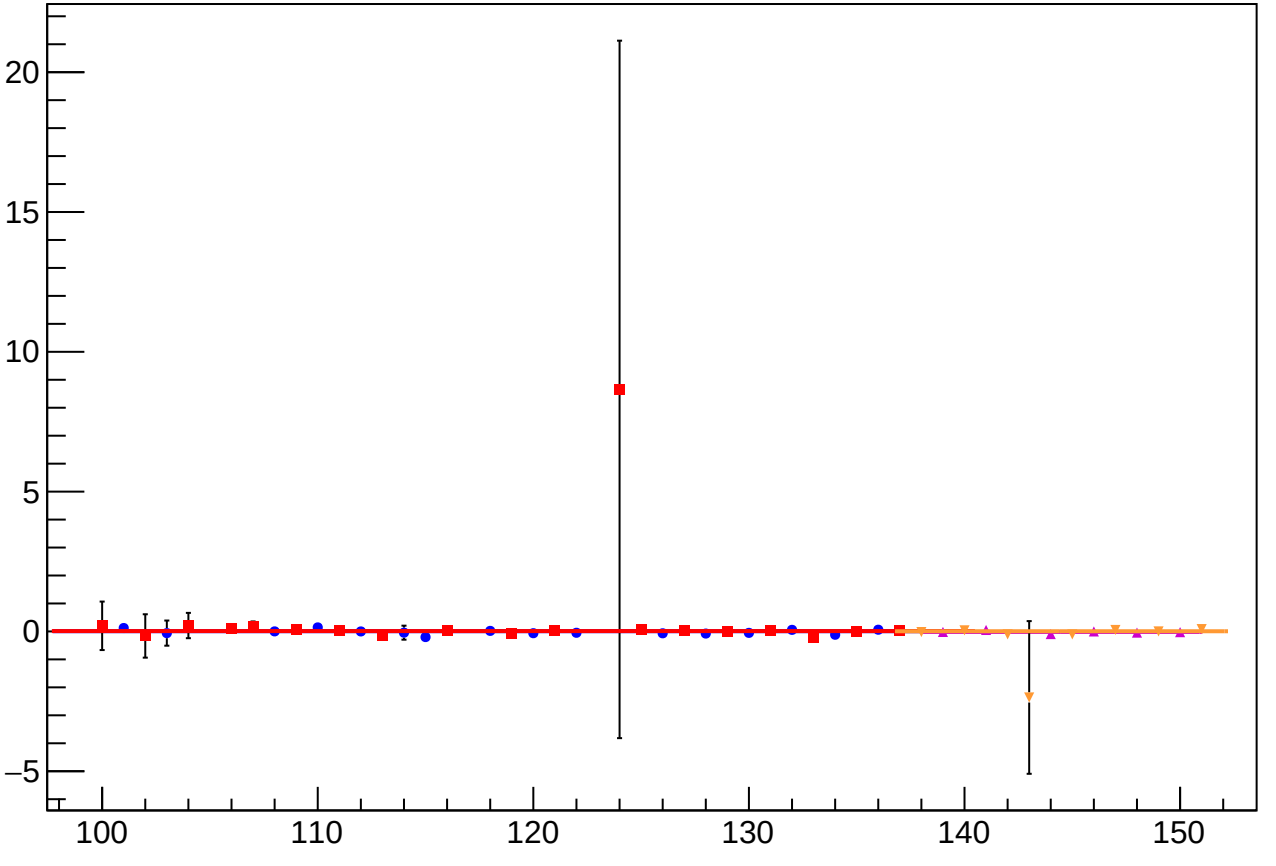
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5159161.2/21

Out: 0.003+/-0.000 χ^2/NDF:5554380.1/26

All: 0.003+/-0.000 χ^2/NDF: 10720616.8/48

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: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.016 χ^2/NDF:3.9/5

Left: -0.006+/-0.011 χ^2/NDF: 16.9/13

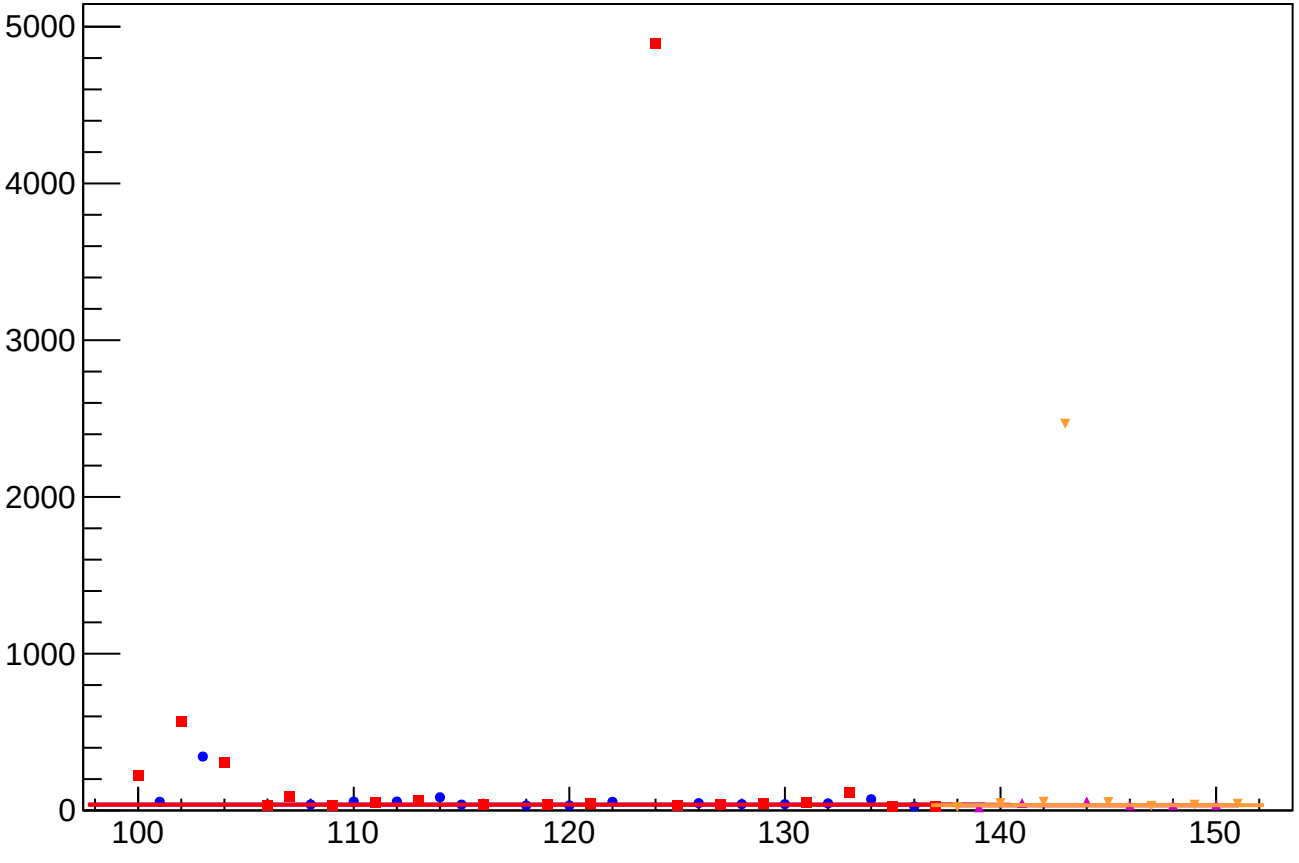
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.011 χ^2/NDF:24.6/21

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/48

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.504+/-0.011 χ^2/NDF:903285.4/5

Left: 33.069+/-0.008 χ^2/NDF: 3394745.3/13

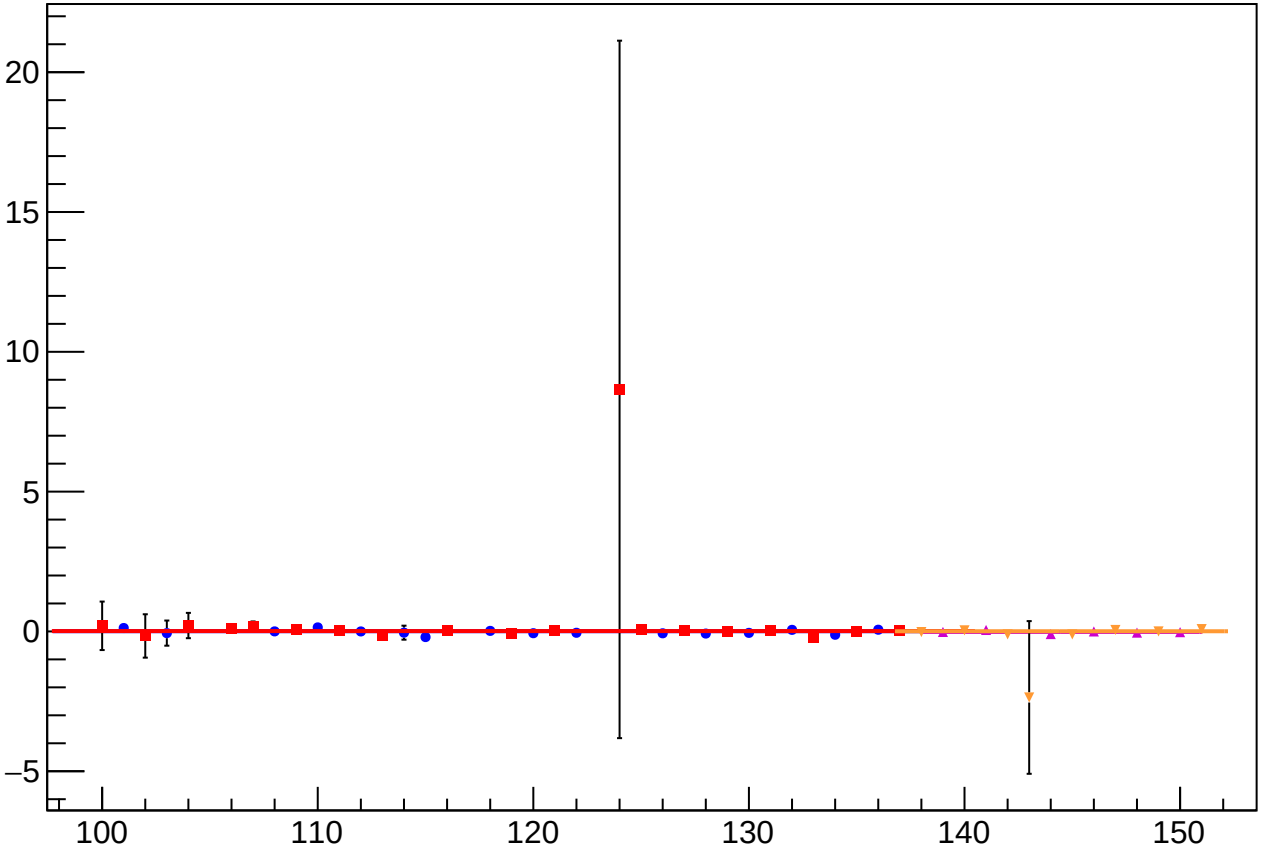
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.987+/-0.008 χ^2/NDF:2983311.3/21

Out: 35.161+/-0.008 χ^2/NDF:5713194.3/26

All: 35.073+/-0.006 χ^2/NDF: 8696736.4/48

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: 0.006+/-0.016 χ^2/NDF:11.8/7

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.018+/-0.016 χ^2/NDF:3.9/5

Left: -0.006+/-0.011 χ^2/NDF: 16.9/13

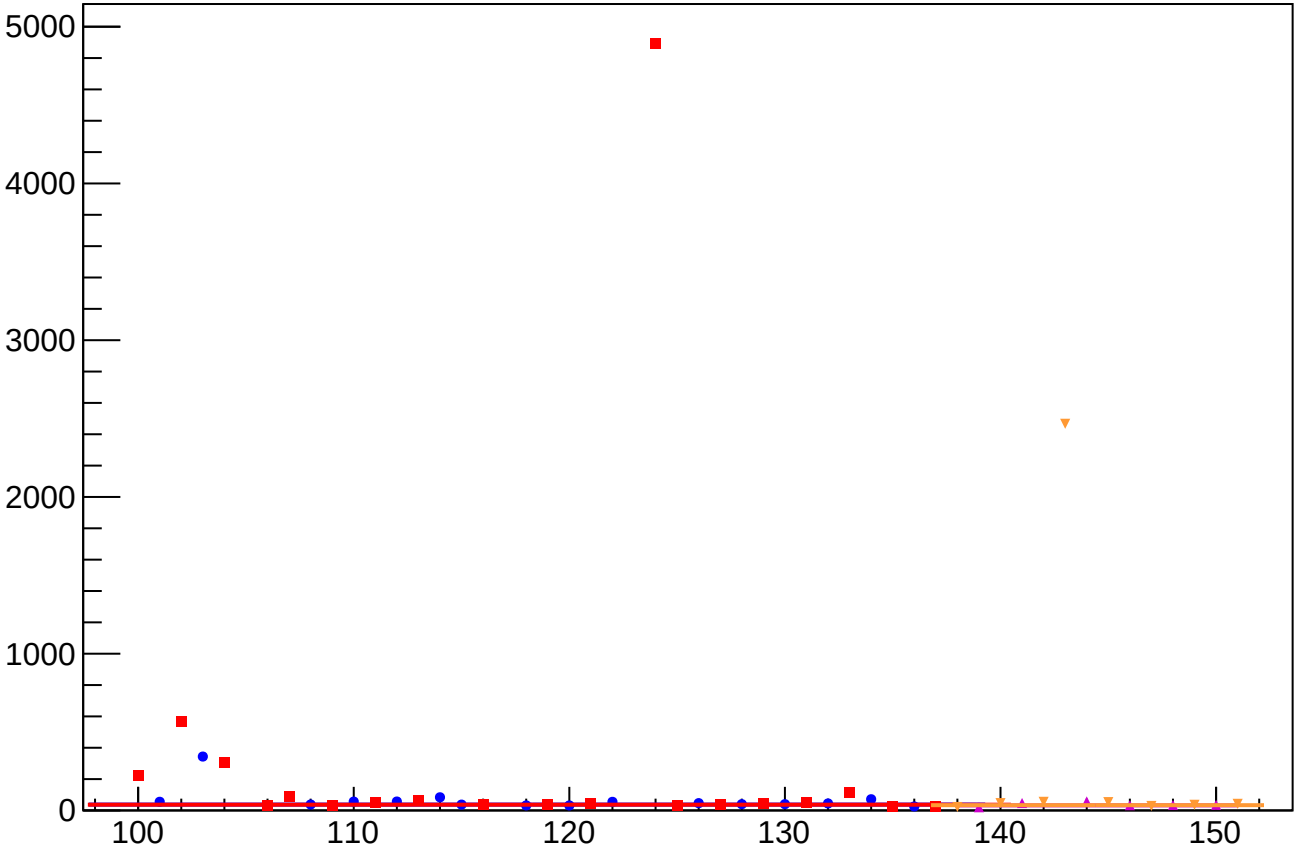
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.011 χ^2/NDF:24.6/21

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/48

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.644+/-0.011 χ^2/NDF:2486425.7/7

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.504+/-0.011 χ^2/NDF:903285.4/5

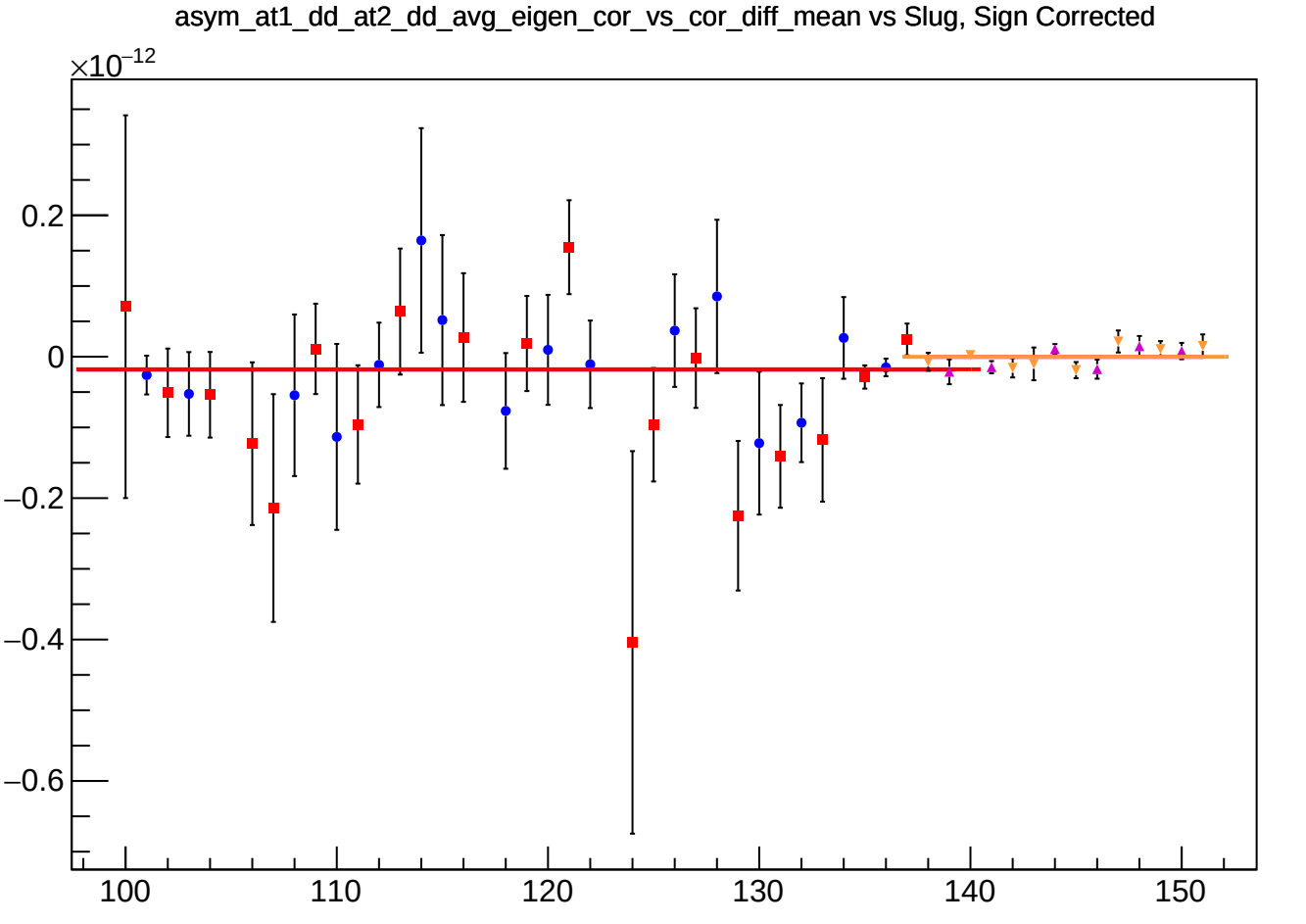
Left: 33.069+/-0.008 χ^2/NDF: 3394745.3/13

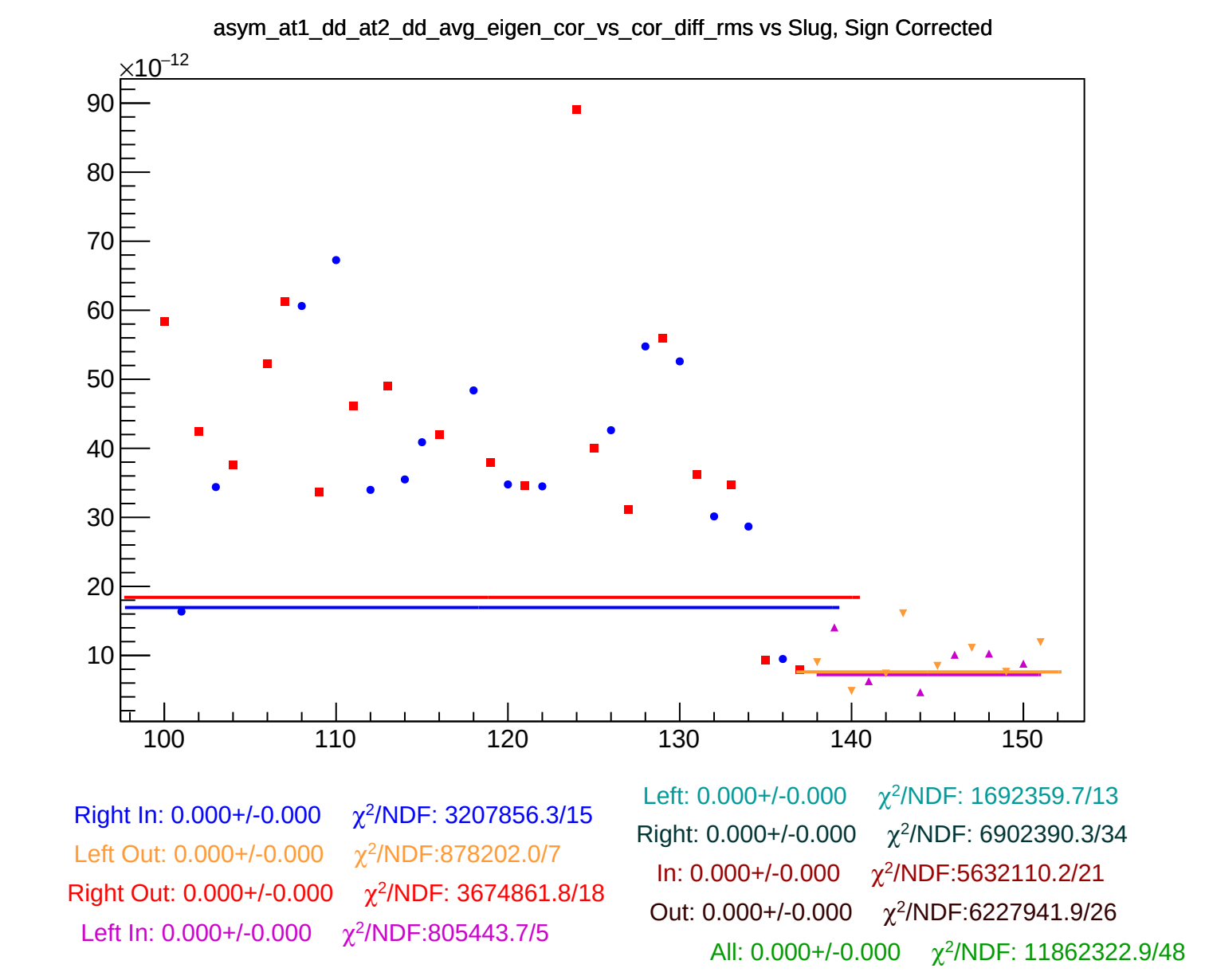
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.987+/-0.008 χ^2/NDF:2983311.3/21

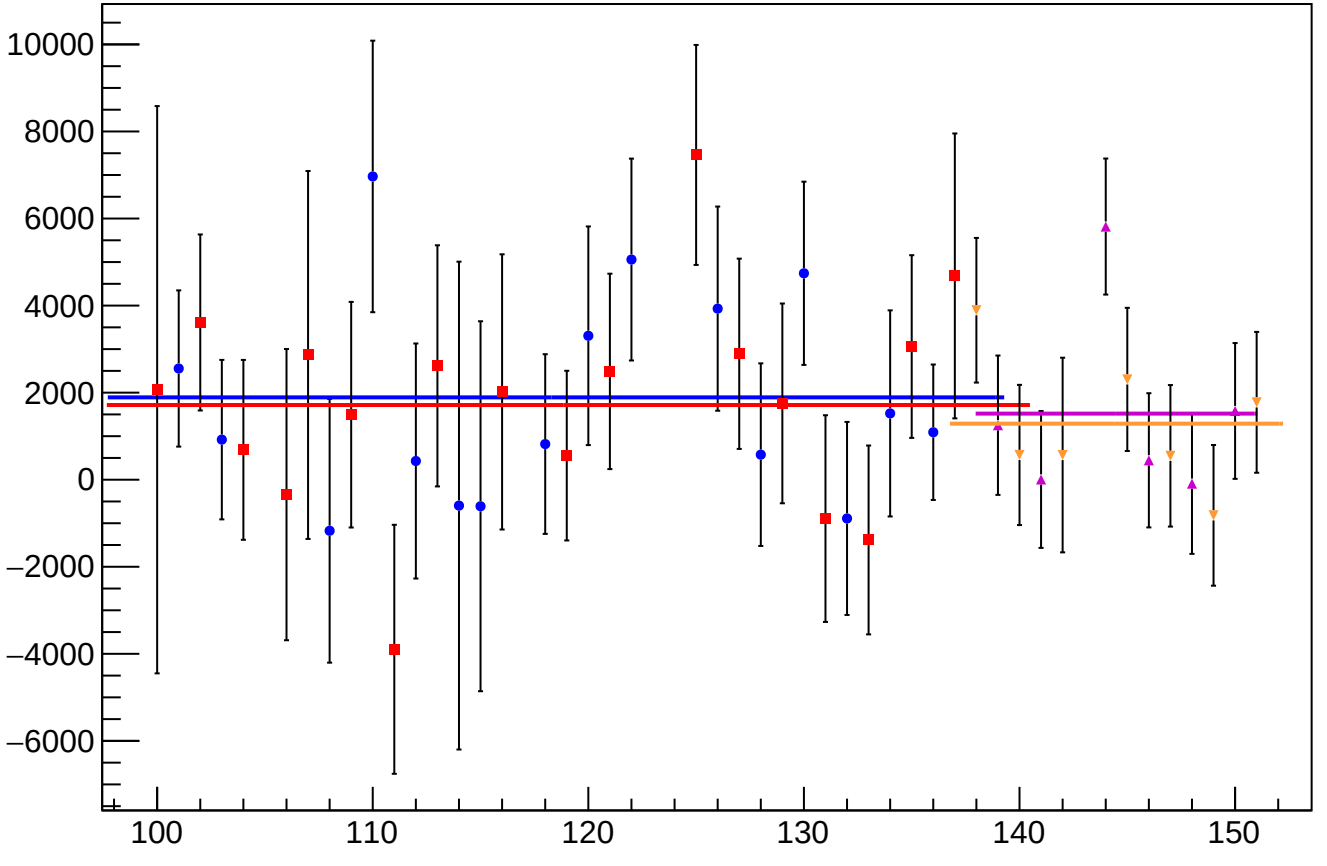
Out: 35.161+/-0.008 χ^2/NDF:5713194.3/26

All: 35.073+/-0.006 χ^2/NDF: 8696736.4/48


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:8.4/7
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:10.0/5
Left: -0.000+/-0.000 χ²/NDF: 18.4/13
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:21.1/21
Out: -0.000+/-0.000 χ²/NDF:37.9/26
All: -0.000+/-0.000 χ²/NDF: 59.0/48


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:878202.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:805443.7/5
Left: 0.000+/-0.000 χ²/NDF: 1692359.7/13
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5632110.2/21
Out: 0.000+/-0.000 χ²/NDF:6227941.9/26
All: 0.000+/-0.000 χ²/NDF: 11862322.9/48

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1287.452+/-637.463 χ^2/NDF:5.1/6

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1518.387+/-642.798 χ^2/NDF:10.0/5

Left: 1401.957+/-452.629 χ^2/NDF: 15.2/12

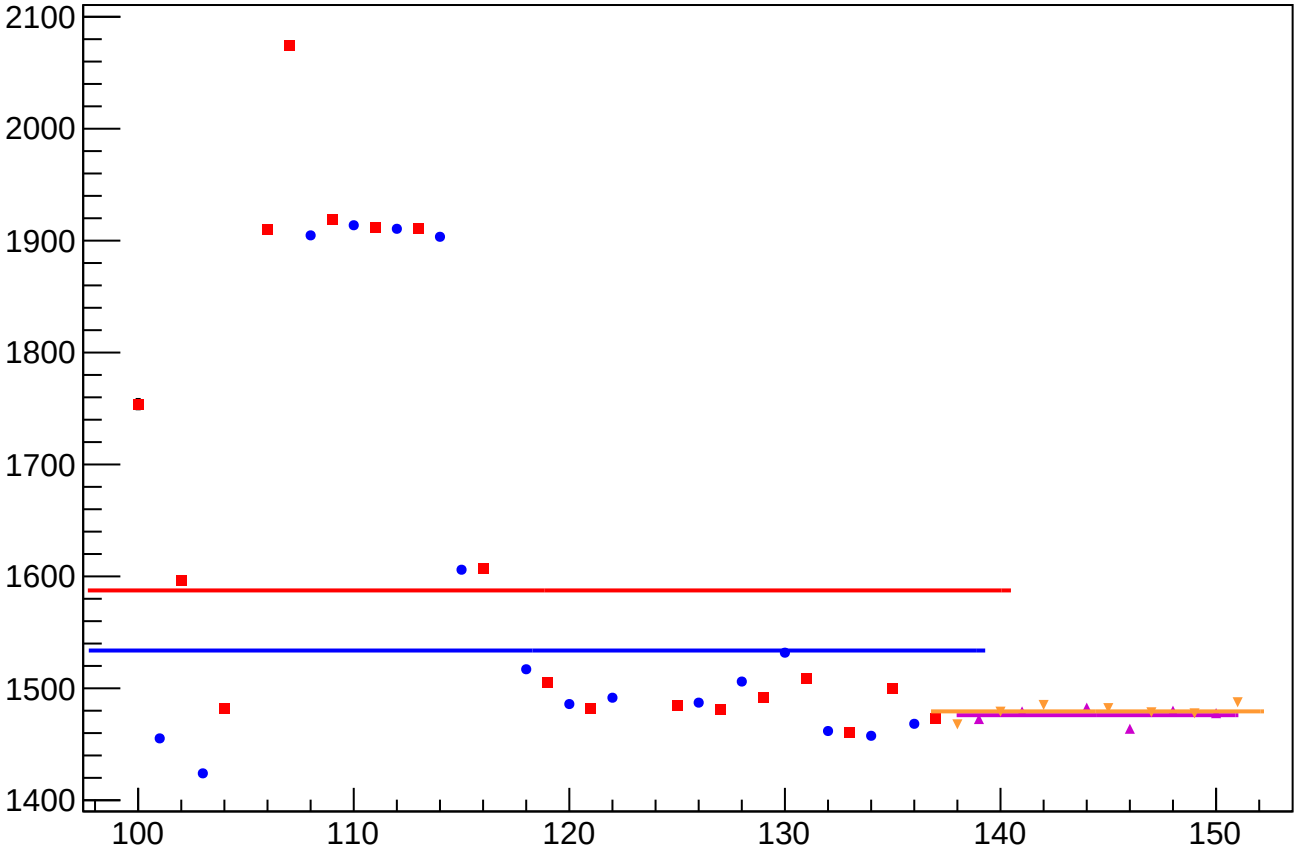
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1726.512+/-427.414 χ^2/NDF:22.4/21

Out: 1518.397+/-432.811 χ^2/NDF:21.4/24

All: 1623.760+/-304.117 χ^2/NDF: 43.9/46

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1479.396+/-0.451 χ^2/NDF:170.4/6

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1476.001+/-0.455 χ^2/NDF:194.7/5

Left: 1477.713+/-0.320 χ^2/NDF: 393.2/12

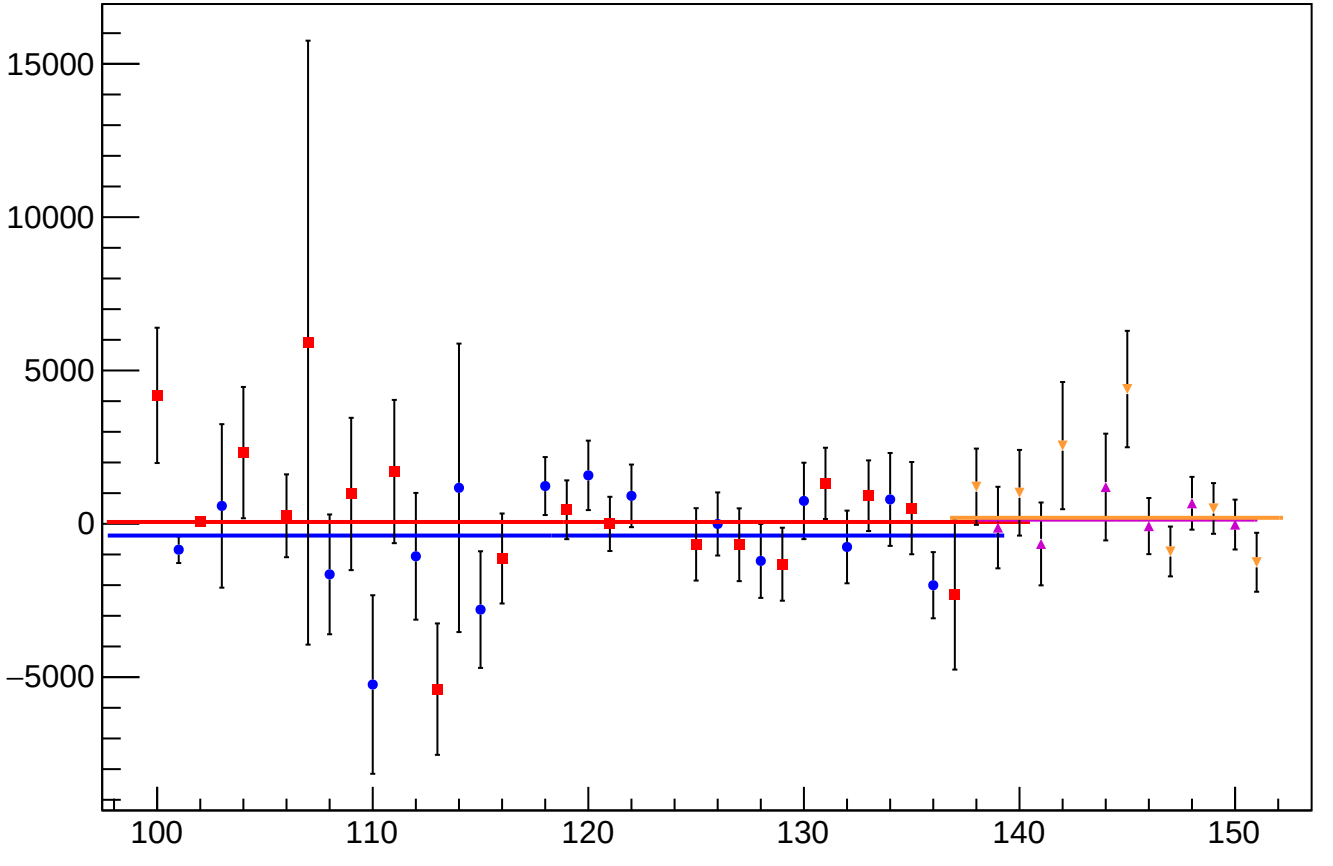
Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1508.229+/-0.302 χ^2/NDF:138478.1/21

Out: 1537.645+/-0.306 χ^2/NDF:203139.8/24

All: 1522.752+/-0.215 χ^2/NDF: 346294.9/46

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: 195.863+/-417.730 χ^2/NDF:11.4/6

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 135.959+/-426.371 χ^2/NDF:1.2/5

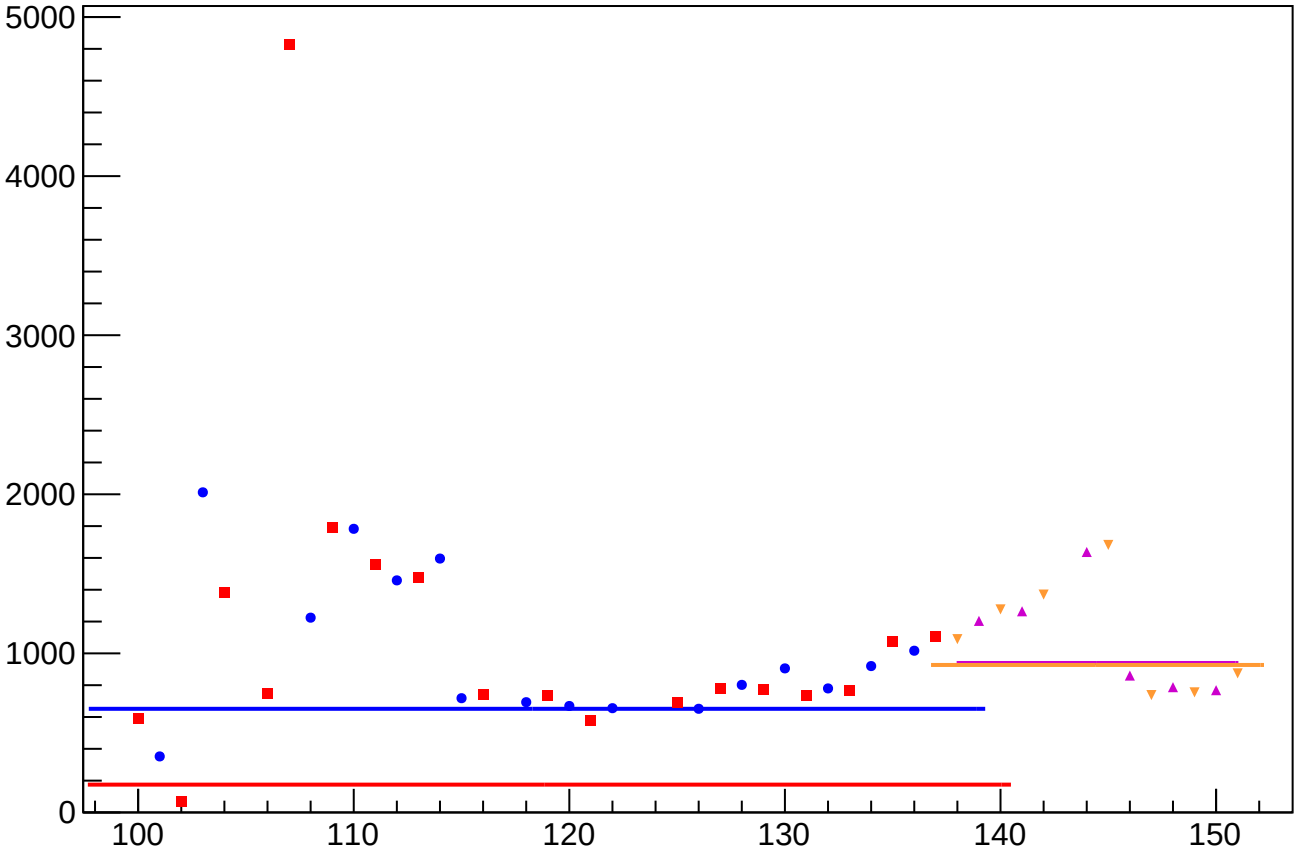
Left: 166.524+/-298.388 χ^2/NDF: 12.7/12

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -232.574+/-229.437 χ^2/NDF:20.5/21

Out: 71.585+/-122.122 χ^2/NDF:29.3/24

All: 4.437+/-107.802 χ^2/NDF: 51.2/46



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 927.178+/-0.295 χ^2/NDF:767509.8/6

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 939.587+/-0.301 χ^2/NDF:682347.4/5

Left: 933.255+/-0.211 χ^2/NDF: 1450721.6/12

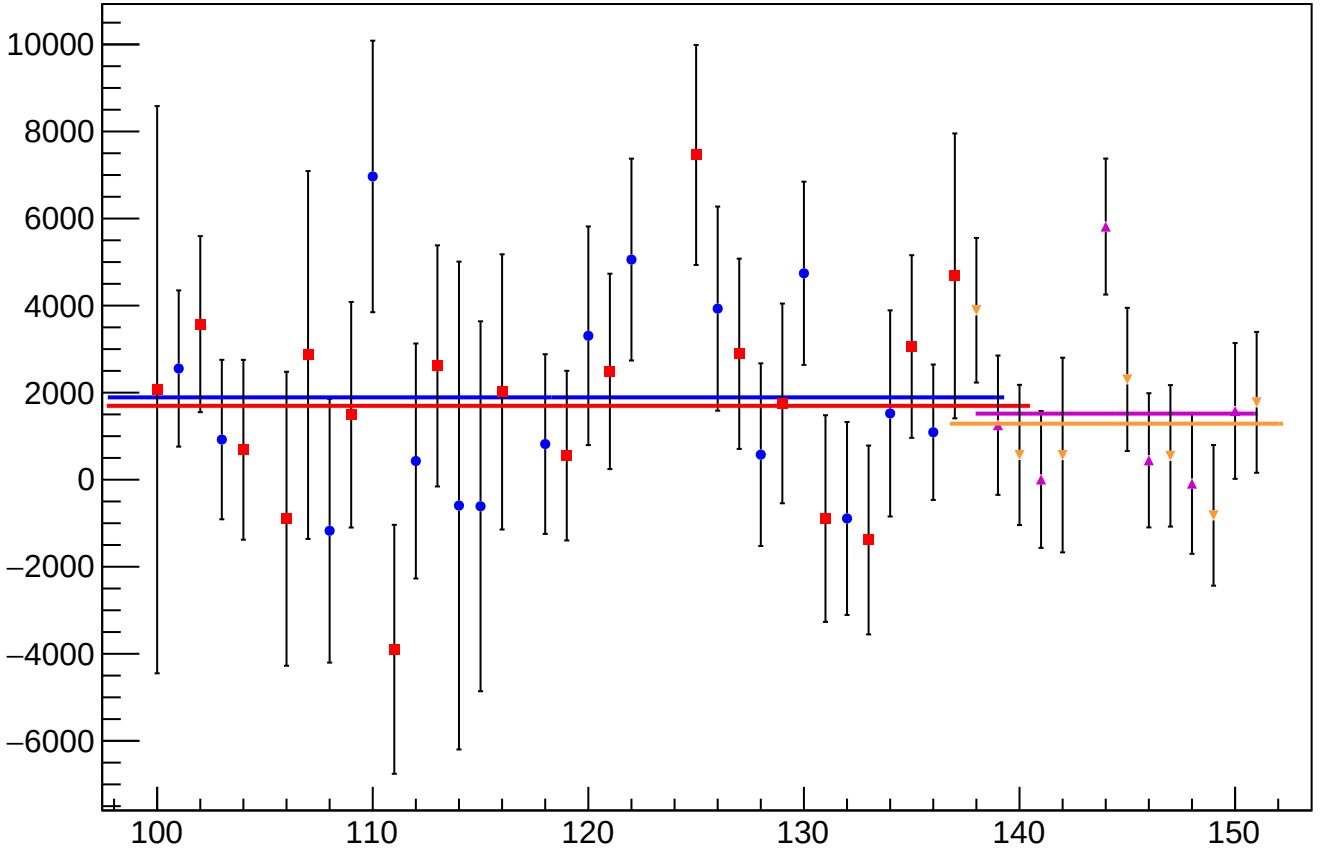
Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 734.937+/-0.162 χ^2/NDF:4093571.7/21

Out: 239.193+/-0.086 χ^2/NDF:16460677.0/24

All: 348.635+/-0.076 χ^2/NDF: 27830185.1/46

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1287.306+/-637.463 χ^2/NDF:5.1/6

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1518.494+/-642.798 χ^2/NDF:10.0/5

Left: 1401.937+/-452.629 χ^2/NDF: 15.2/12

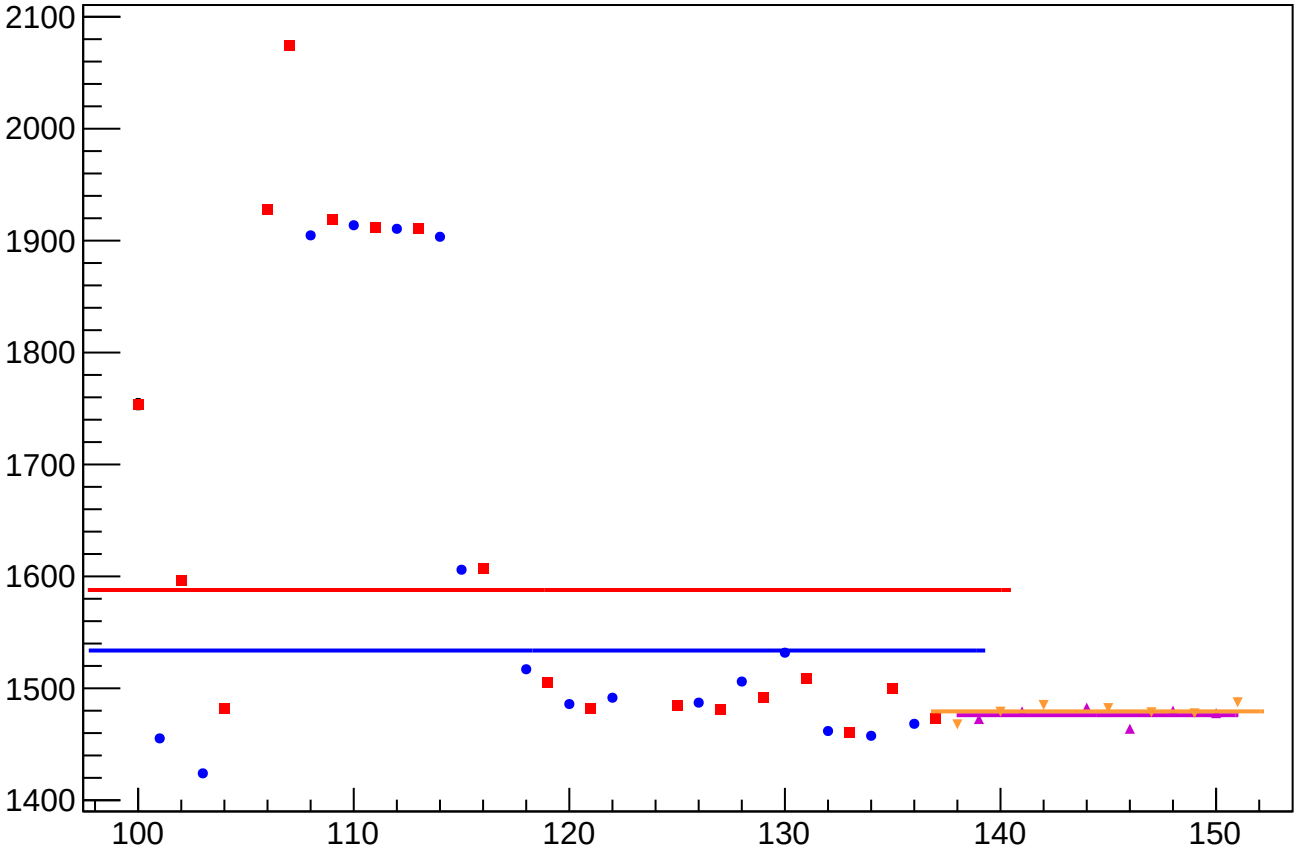
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1726.618+/-427.414 χ^2/NDF:22.4/21

Out: 1508.068+/-432.882 χ^2/NDF:21.5/24

All: 1618.732+/-304.142 χ^2/NDF: 44.1/46

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.396+/-0.451 χ^2/NDF:170.4/6

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.001+/-0.455 χ^2/NDF:194.7/5

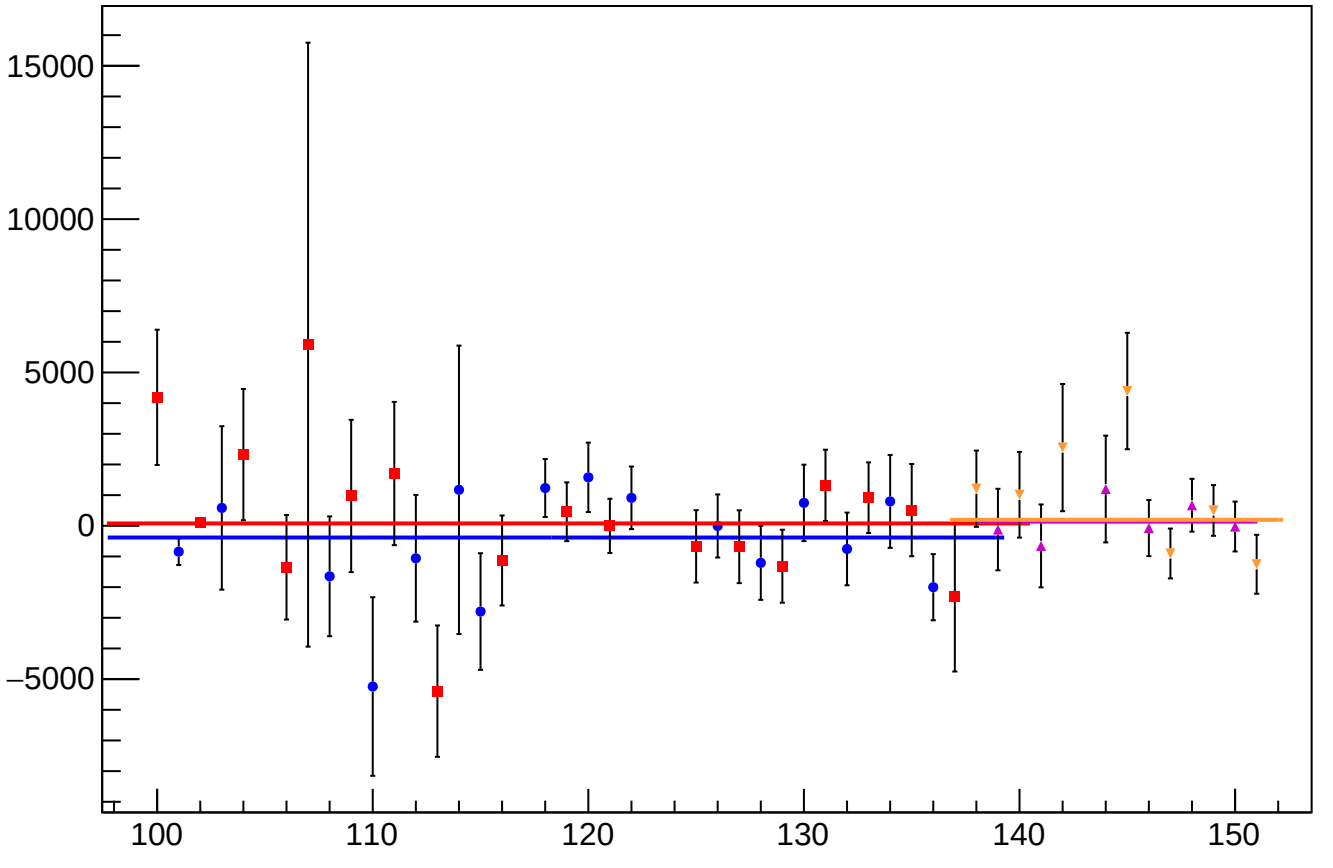
Left: 1477.713+/-0.320 χ^2/NDF: 393.2/12

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1508.229+/-0.302 χ^2/NDF:138478.0/21

Out: 1537.836+/-0.306 χ^2/NDF:205130.7/24

All: 1522.844+/-0.215 χ^2/NDF: 348345.9/46



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 195.622+/-417.733 χ^2/NDF:11.4/6

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 136.030+/-426.368 χ^2/NDF:1.2/5

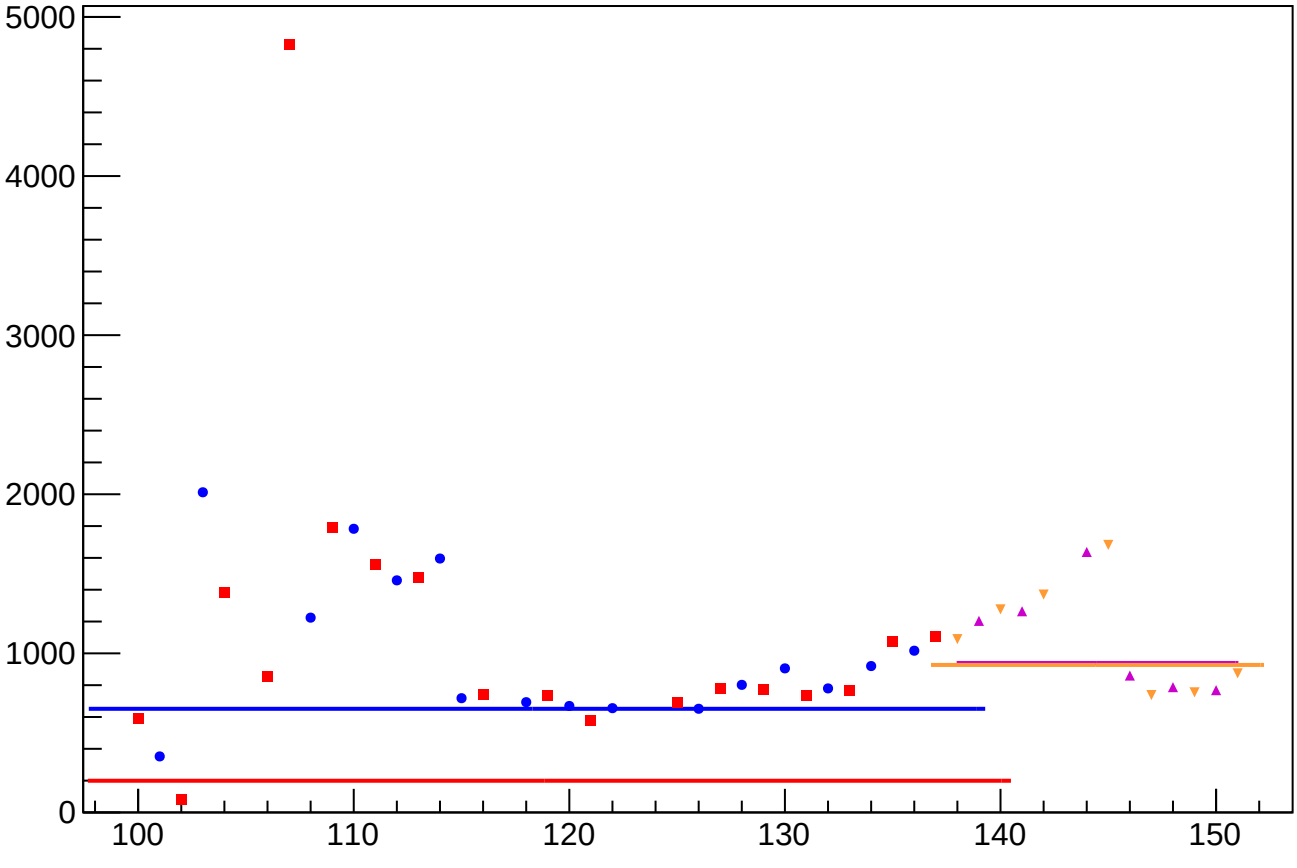
Left: 166.436+/-298.388 χ^2/NDF: 12.7/12

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -232.534+/-229.437 χ^2/NDF:20.5/21

Out: 88.471+/-131.152 χ^2/NDF:30.0/24

All: 9.413+/-113.862 χ^2/NDF: 51.9/46



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 927.187+/-0.295 χ^2/NDF:767488.7/6

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 939.581+/-0.301 χ^2/NDF:682359.7/5

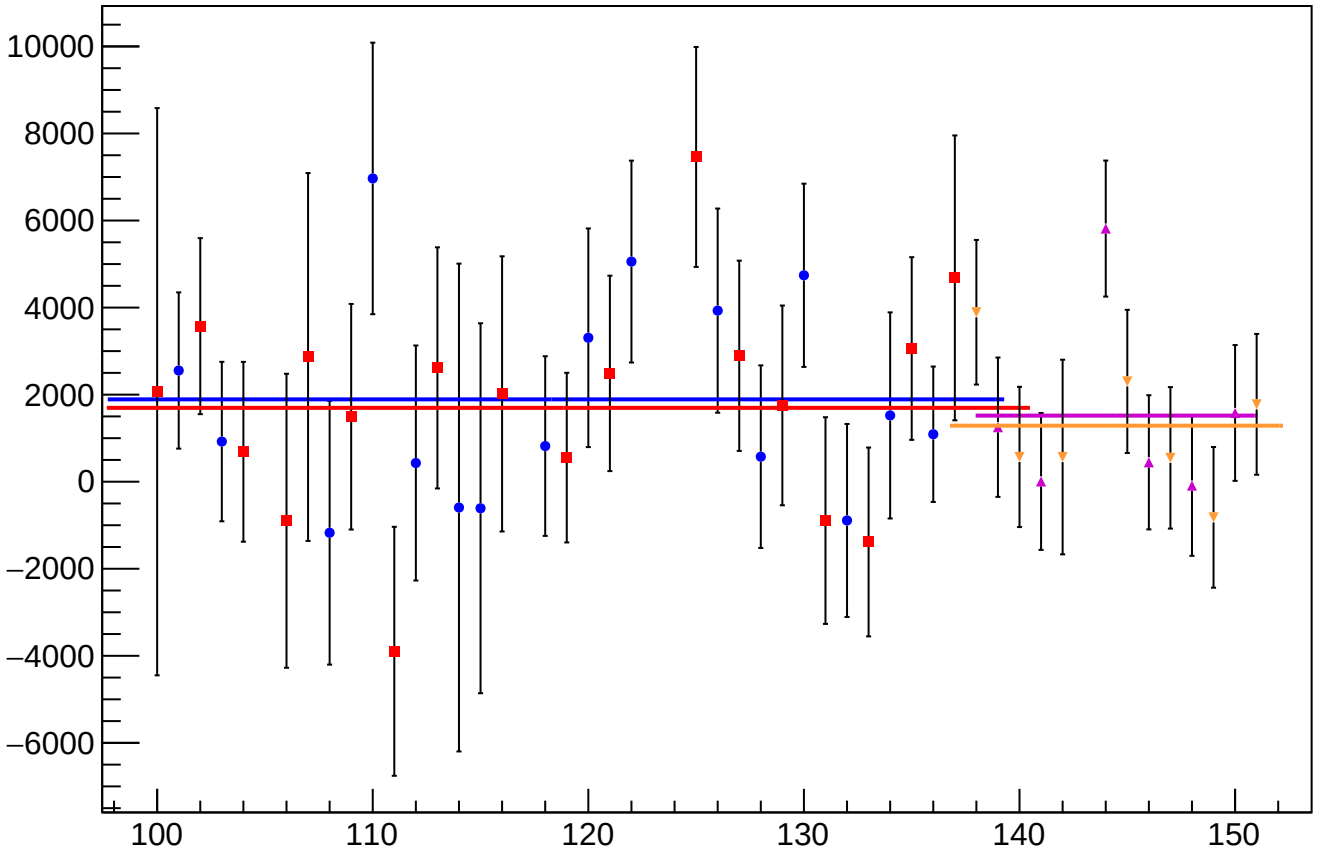
Left: 933.257+/-0.211 χ^2/NDF: 1450710.7/12

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 734.935+/-0.162 χ^2/NDF:4093595.4/21

Out: 271.089+/-0.093 χ^2/NDF:15525439.5/24

All: 385.326+/-0.081 χ^2/NDF: 25780183.0/46



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1287.306+/-637.463 χ^2/NDF:5.1/6

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1518.494+/-642.798 χ^2/NDF:10.0/5

Left: 1401.937+/-452.629 χ^2/NDF: 15.2/12

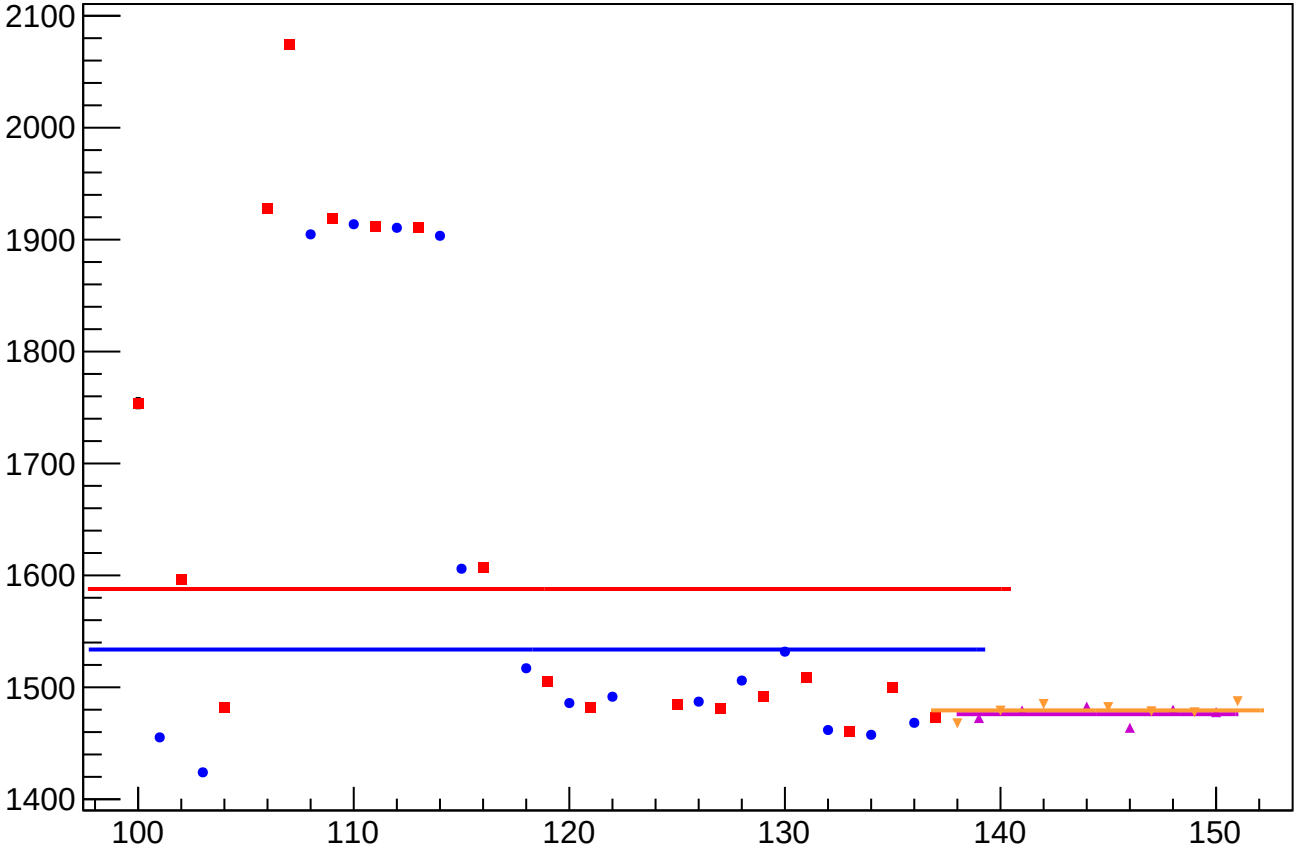
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1726.618+/-427.414 χ^2/NDF:22.4/21

Out: 1508.068+/-432.882 χ^2/NDF:21.5/24

All: 1618.732+/-304.142 χ^2/NDF: 44.1/46

eigen_cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.396+/-0.451 χ^2/NDF:170.4/6

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1476.001+/-0.455 χ^2/NDF:194.7/5

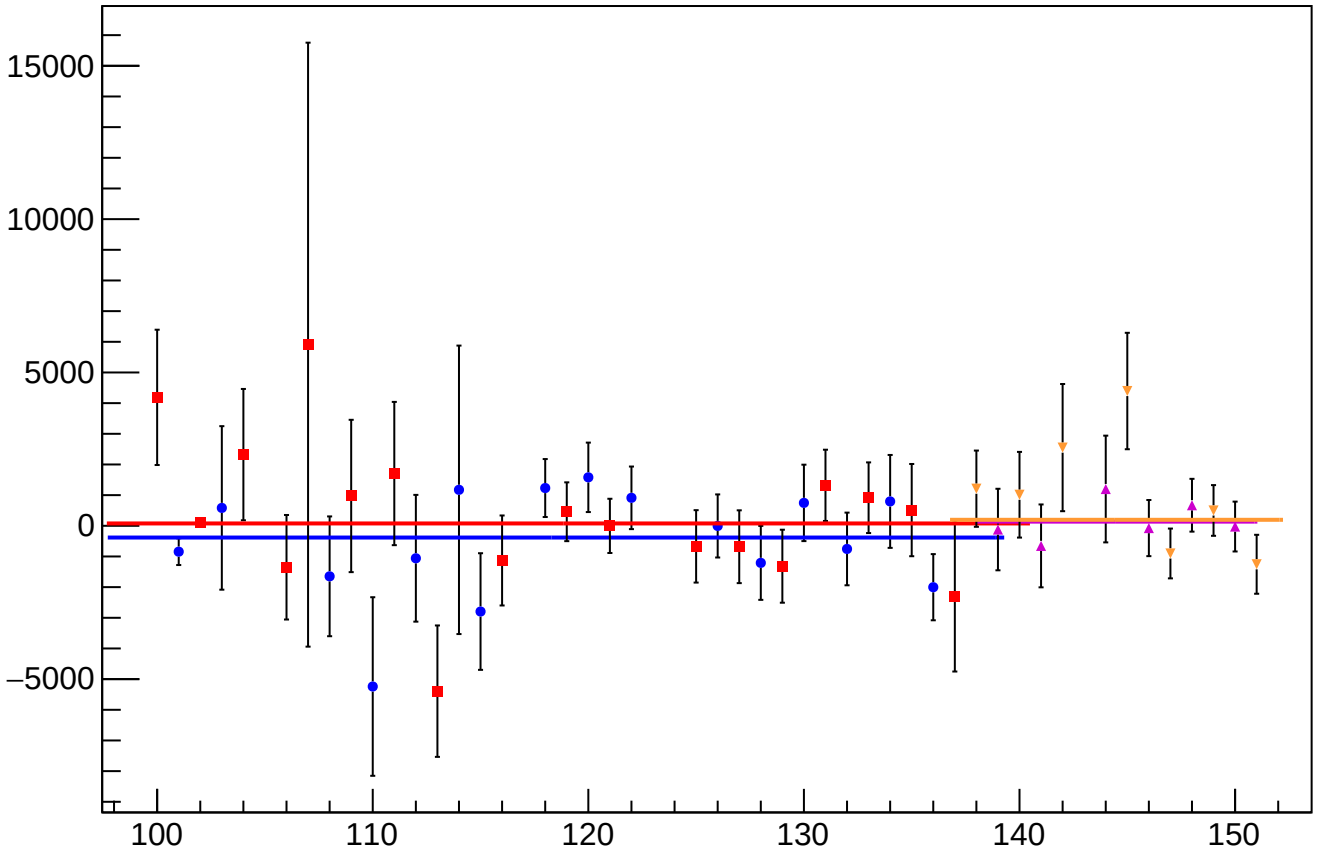
Left: 1477.713+/-0.320 χ^2/NDF: 393.2/12

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1508.229+/-0.302 χ^2/NDF:138478.0/21

Out: 1537.836+/-0.306 χ^2/NDF:205130.7/24

All: 1522.844+/-0.215 χ^2/NDF: 348345.9/46



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 195.622+/-417.733 χ^2/NDF:11.4/6

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 136.030+/-426.368 χ^2/NDF:1.2/5

Left: 166.436+/-298.388 χ^2/NDF: 12.7/12

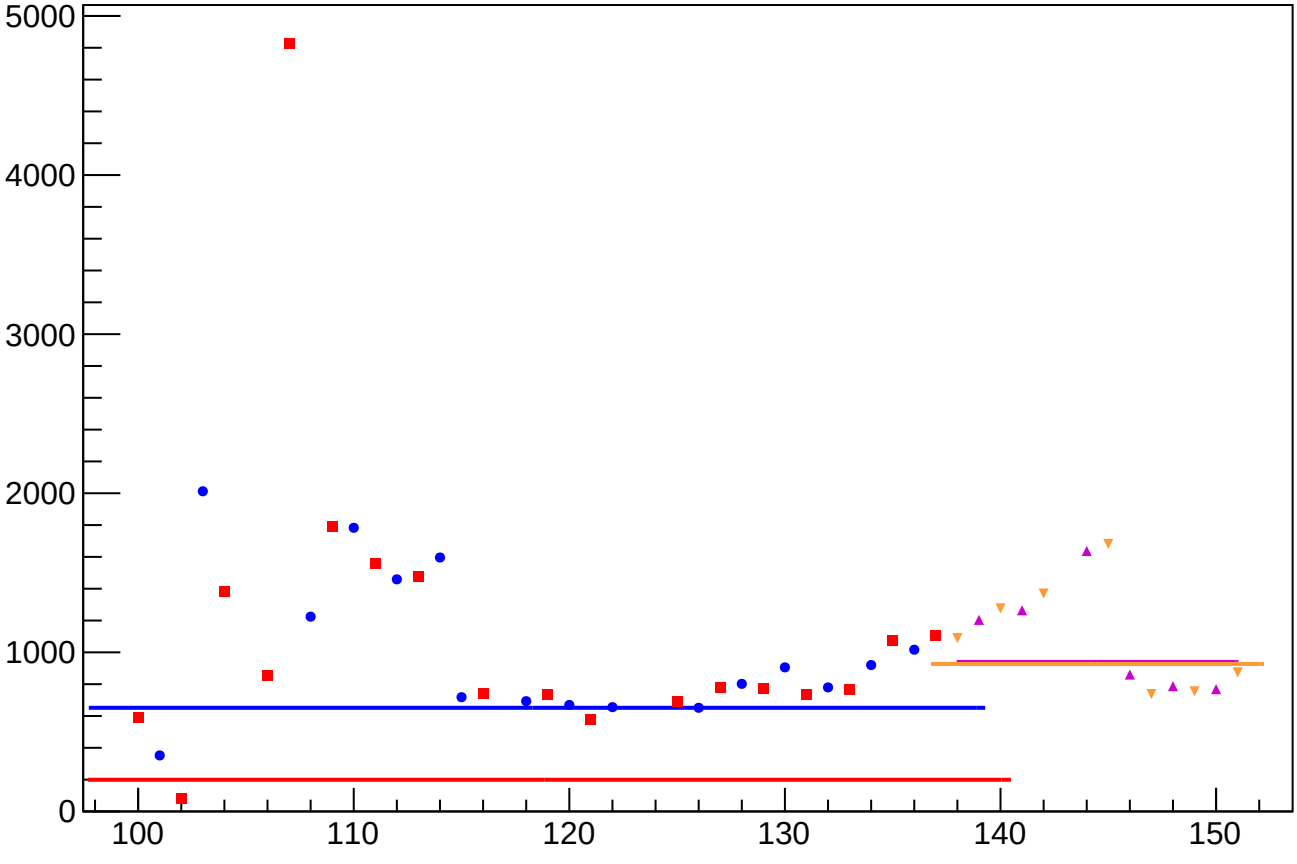
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -232.534+/-229.437 χ^2/NDF:20.5/21

Out: 88.471+/-131.152 χ^2/NDF:30.0/24

All: 9.413+/-113.862 χ^2/NDF: 51.9/46

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: 927.187+/-0.295 χ^2/NDF:767488.7/6

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 939.581+/-0.301 χ^2/NDF:682359.7/5

Left: 933.257+/-0.211 χ^2/NDF: 1450710.7/12

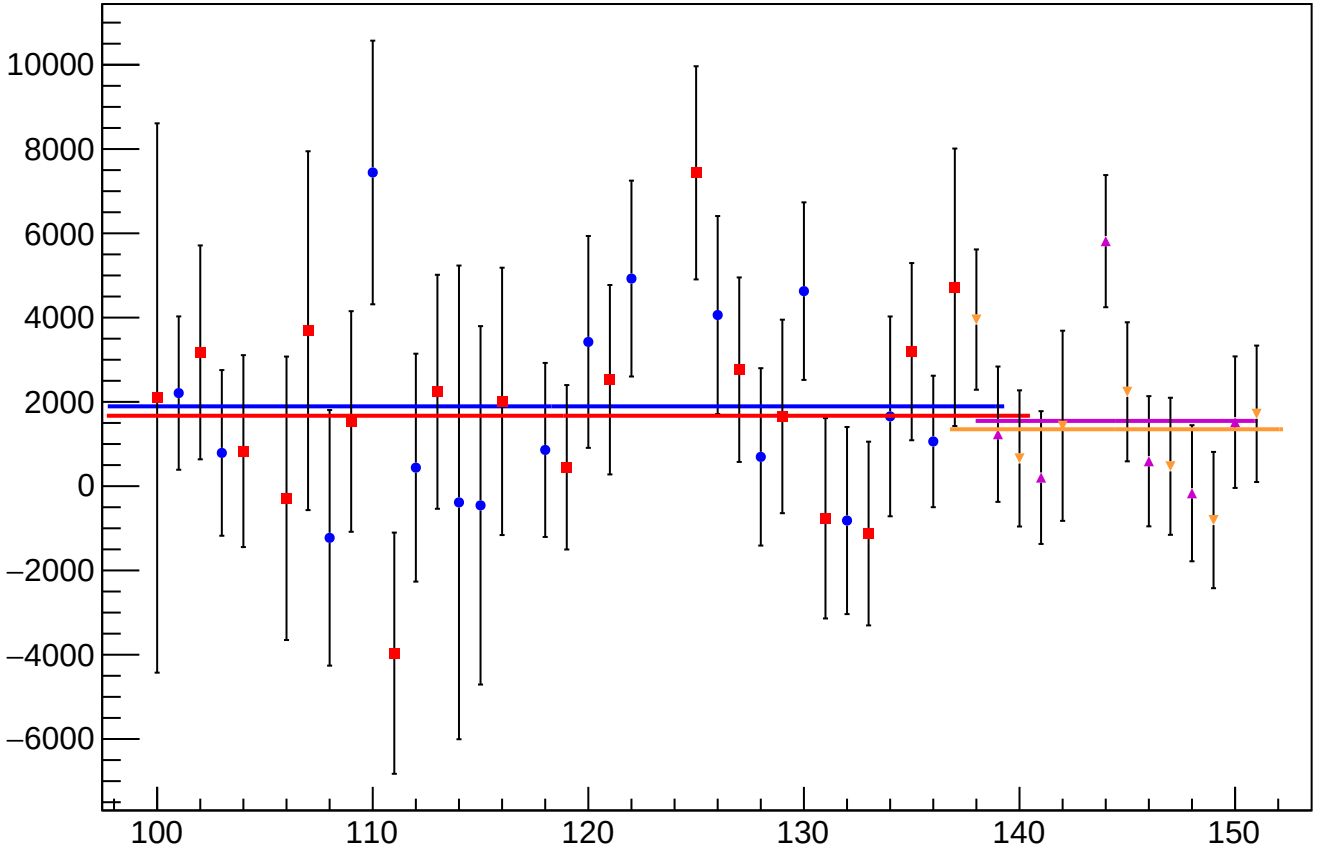
Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 734.935+/-0.162 χ^2/NDF:4093595.4/21

Out: 271.089+/-0.093 χ^2/NDF:15525439.5/24

All: 385.326+/-0.081 χ^2/NDF: 25780183.0/46

dit_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1350.362+/-638.966 χ^2/NDF:5.0/6

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1548.321+/-644.080 χ^2/NDF:9.7/5

Left: 1448.553+/-453.615 χ^2/NDF: 14.8/12

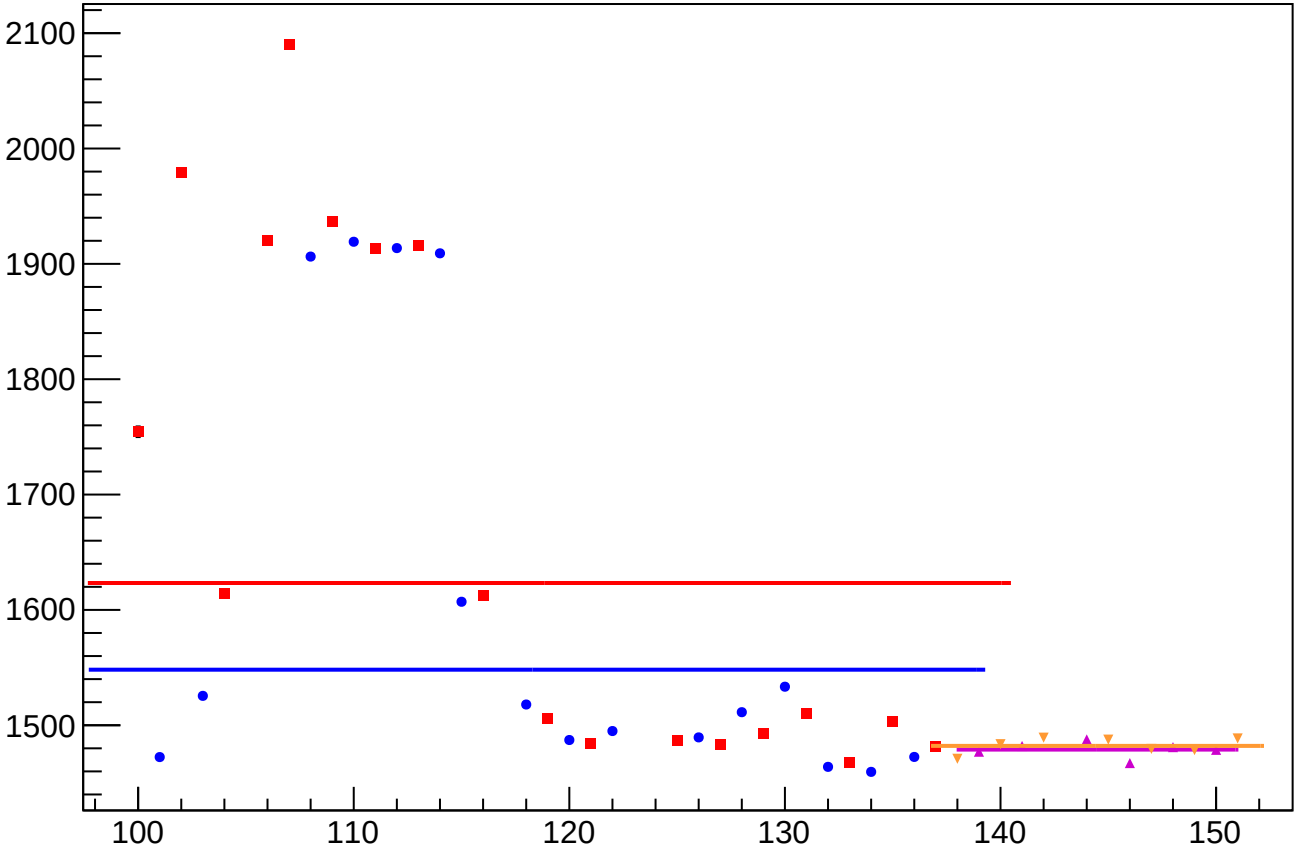
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1740.002+/-430.027 χ^2/NDF:22.1/21

Out: 1519.437+/-439.255 χ^2/NDF:20.2/24

All: 1632.061+/-307.285 χ^2/NDF: 42.5/46

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.116+/-0.452 χ^2/NDF:180.7/6

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1478.902+/-0.455 χ^2/NDF:192.0/5

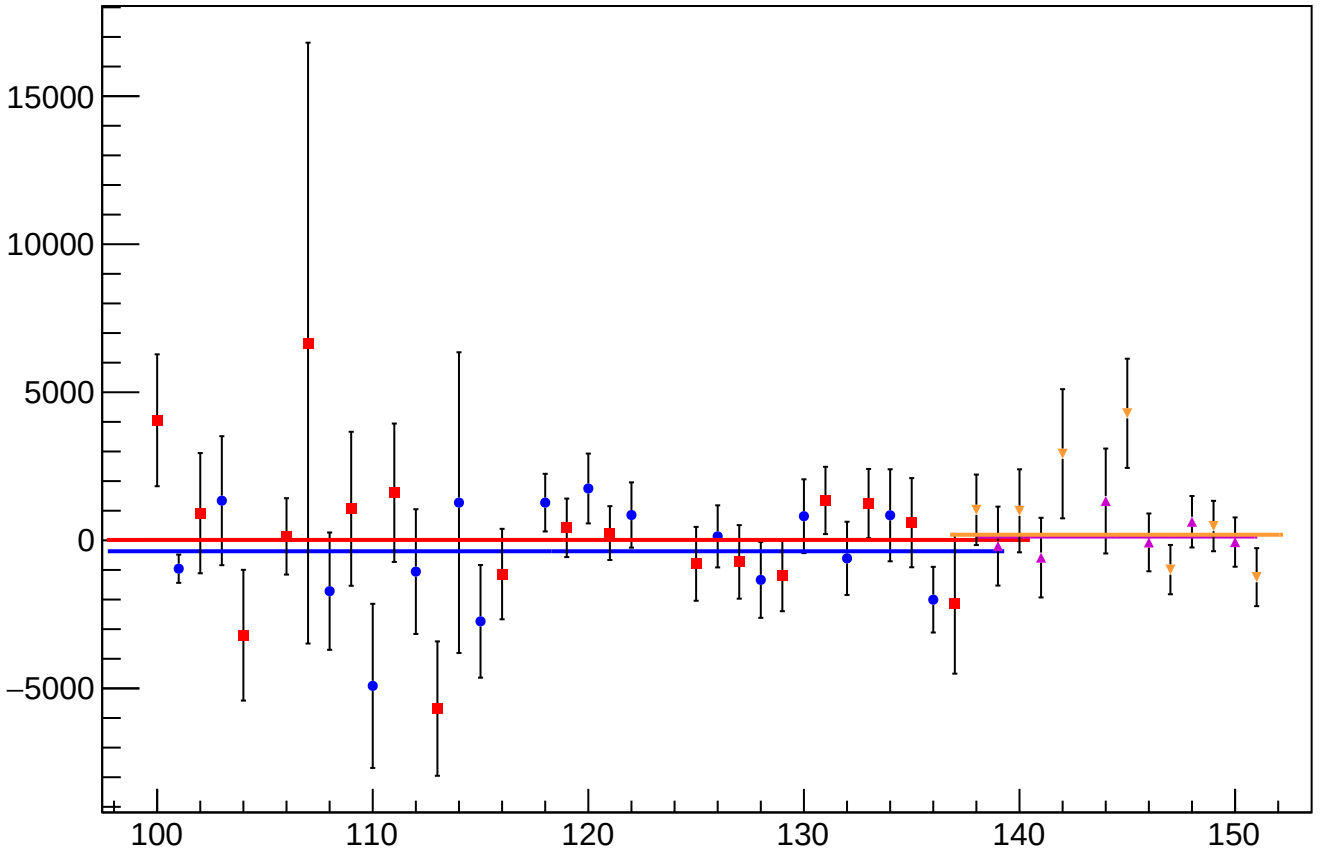
Left: 1480.522+/-0.321 χ^2/NDF: 397.8/12

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1517.295+/-0.304 χ^2/NDF:132919.1/21

Out: 1556.595+/-0.311 χ^2/NDF:263236.1/24

All: 1536.528+/-0.217 χ^2/NDF: 404330.1/46



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 189.111+/-423.198 χ^2/NDF:11.6/6

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 126.718+/-436.412 χ^2/NDF:1.2/5

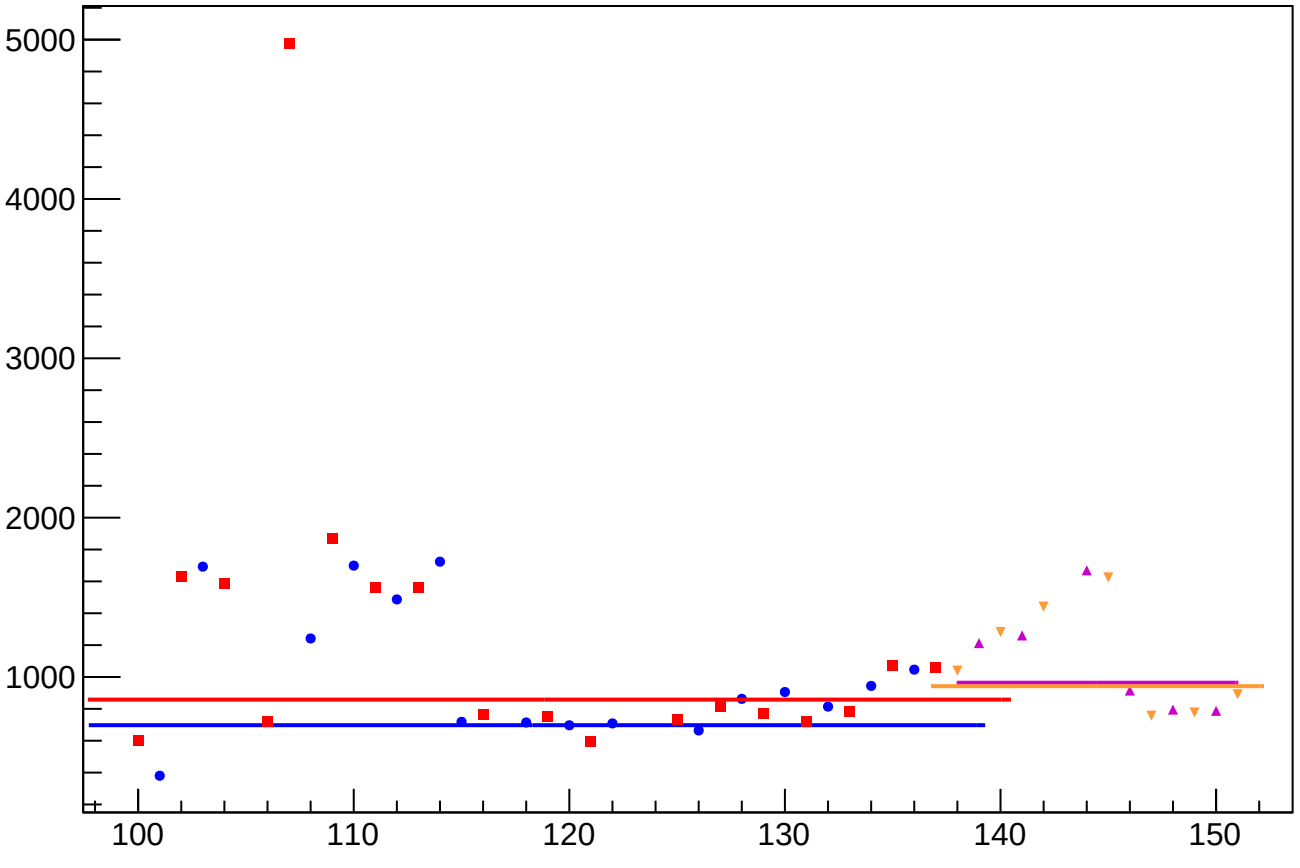
Left: 158.873+/-303.810 χ^2/NDF: 12.8/12

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -219.441+/-239.546 χ^2/NDF:21.0/21

Out: 82.911+/-265.796 χ^2/NDF:30.8/24

All: -83.928+/-177.943 χ^2/NDF: 52.5/46



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 942.253+/-0.299 χ^2/NDF:688798.1/6

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 964.055+/-0.309 χ^2/NDF:654256.6/5

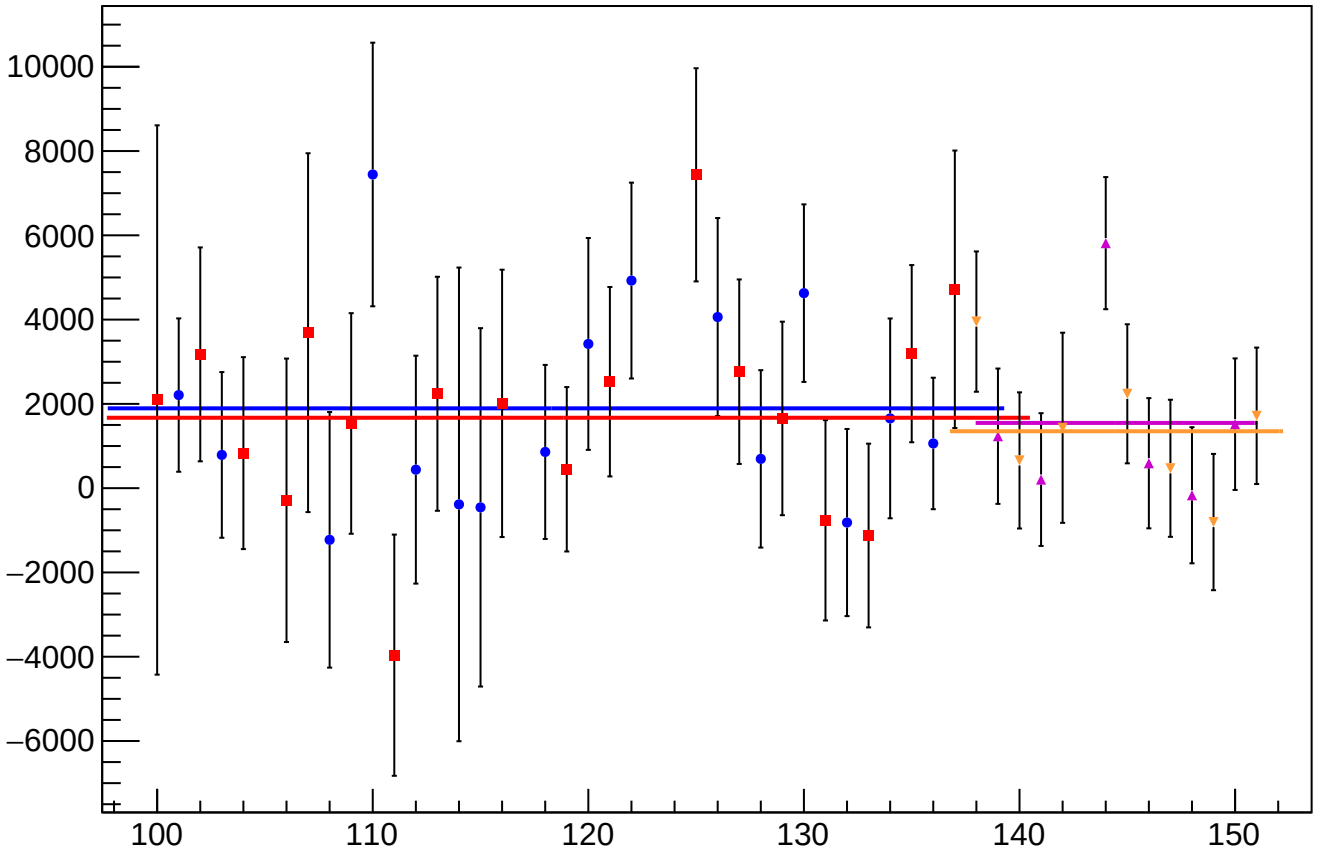
Left: 952.819+/-0.215 χ^2/NDF: 1345627.3/12

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 777.822+/-0.169 χ^2/NDF:3611118.1/21

Out: 891.293+/-0.188 χ^2/NDF:2618855.0/24

All: 828.679+/-0.126 χ^2/NDF: 6431106.9/46



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1350.362+/-638.966 χ^2/NDF:5.0/6

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1548.322+/-644.080 χ^2/NDF:9.7/5

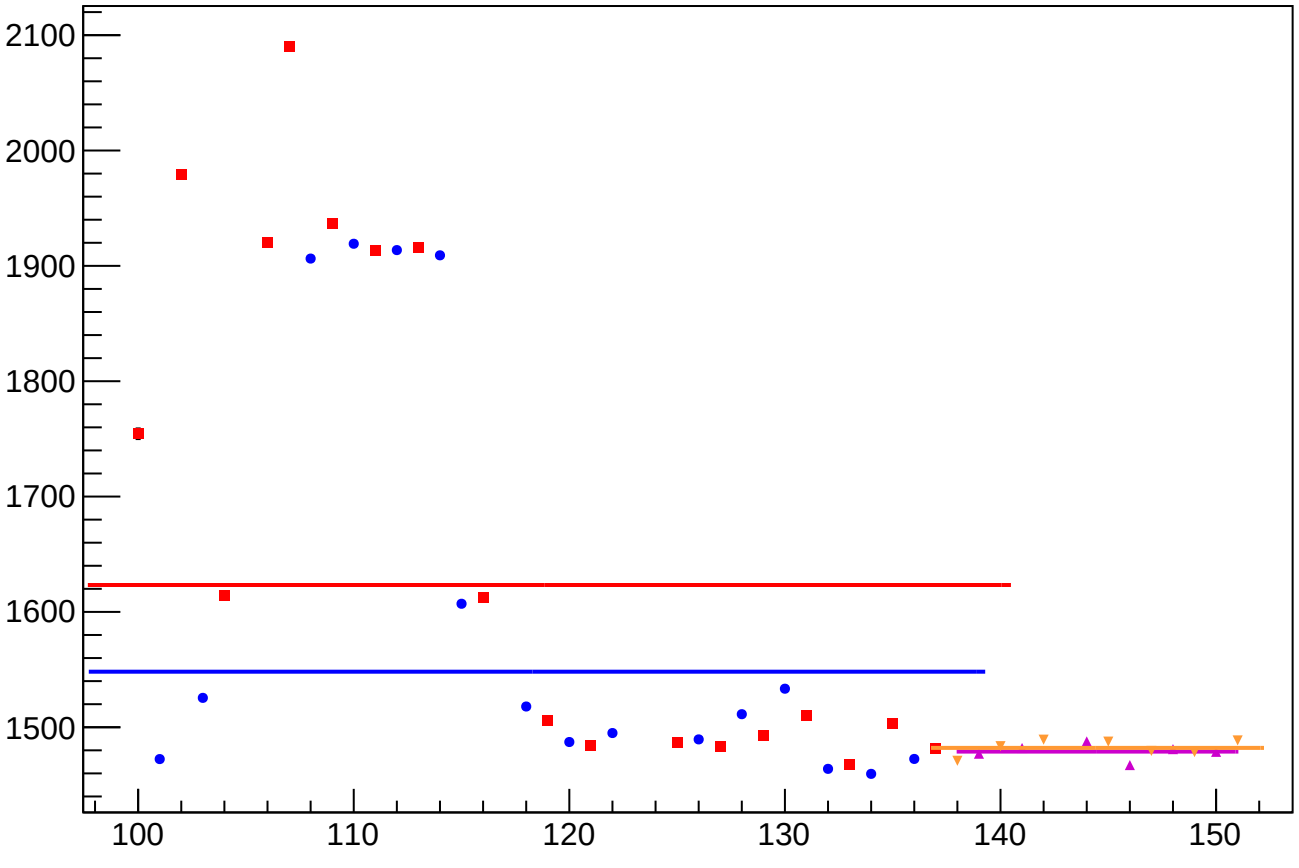
Left: 1448.553+/-453.615 χ^2/NDF: 14.8/12

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1740.001+/-430.027 χ^2/NDF:22.1/21

Out: 1519.436+/-439.255 χ^2/NDF:20.2/24

All: 1632.060+/-307.285 χ^2/NDF: 42.5/46



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.116+/-0.452 χ^2/NDF:180.7/6

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1478.902+/-0.455 χ^2/NDF:192.0/5

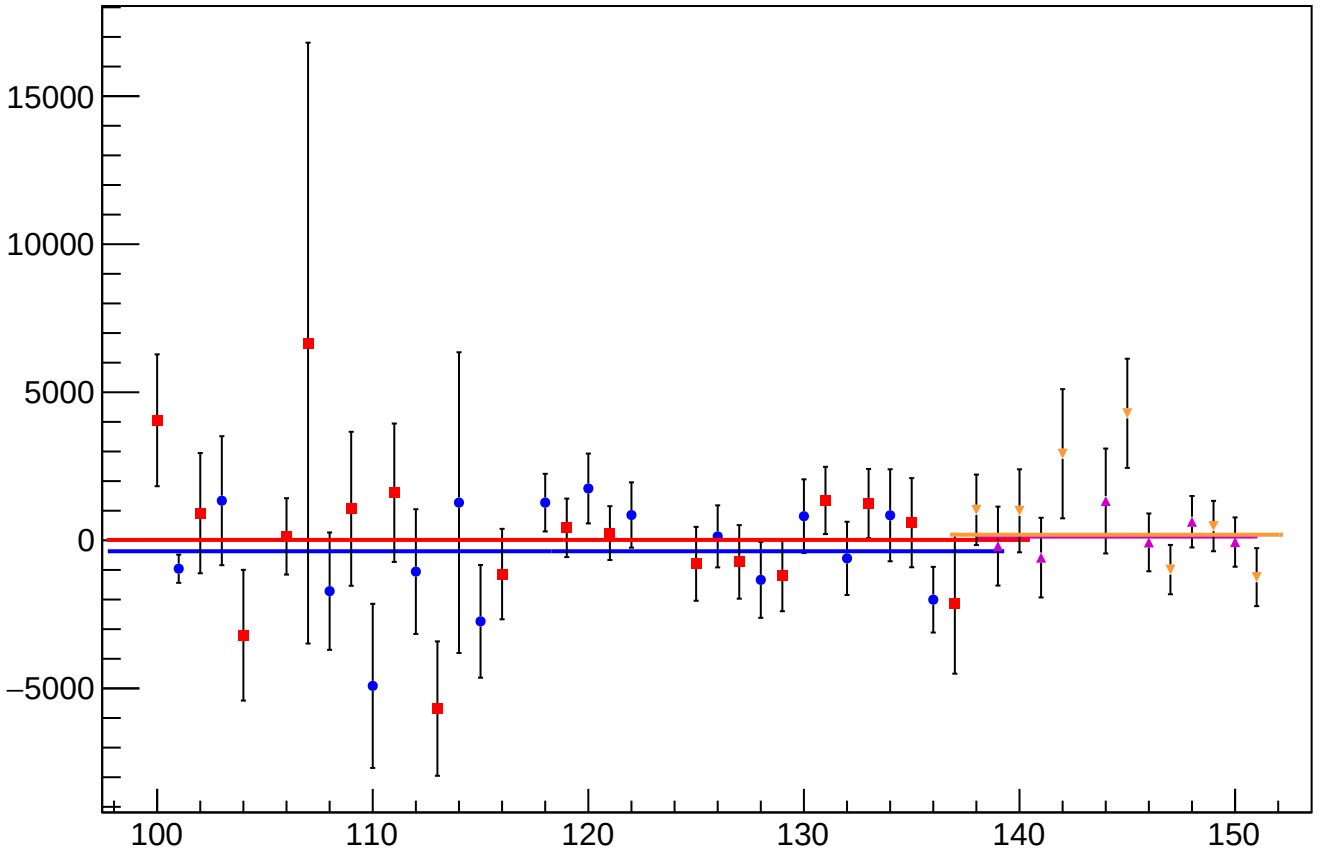
Left: 1480.522+/-0.321 χ^2/NDF: 397.8/12

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1517.295+/-0.304 χ^2/NDF:132919.1/21

Out: 1556.595+/-0.311 χ^2/NDF:263235.7/24

All: 1536.528+/-0.217 χ^2/NDF: 404329.7/46



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 189.109+/-423.199 χ^2/NDF:11.6/6

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 126.719+/-436.413 χ^2/NDF:1.2/5

Left: 158.873+/-303.811 χ^2/NDF: 12.8/12

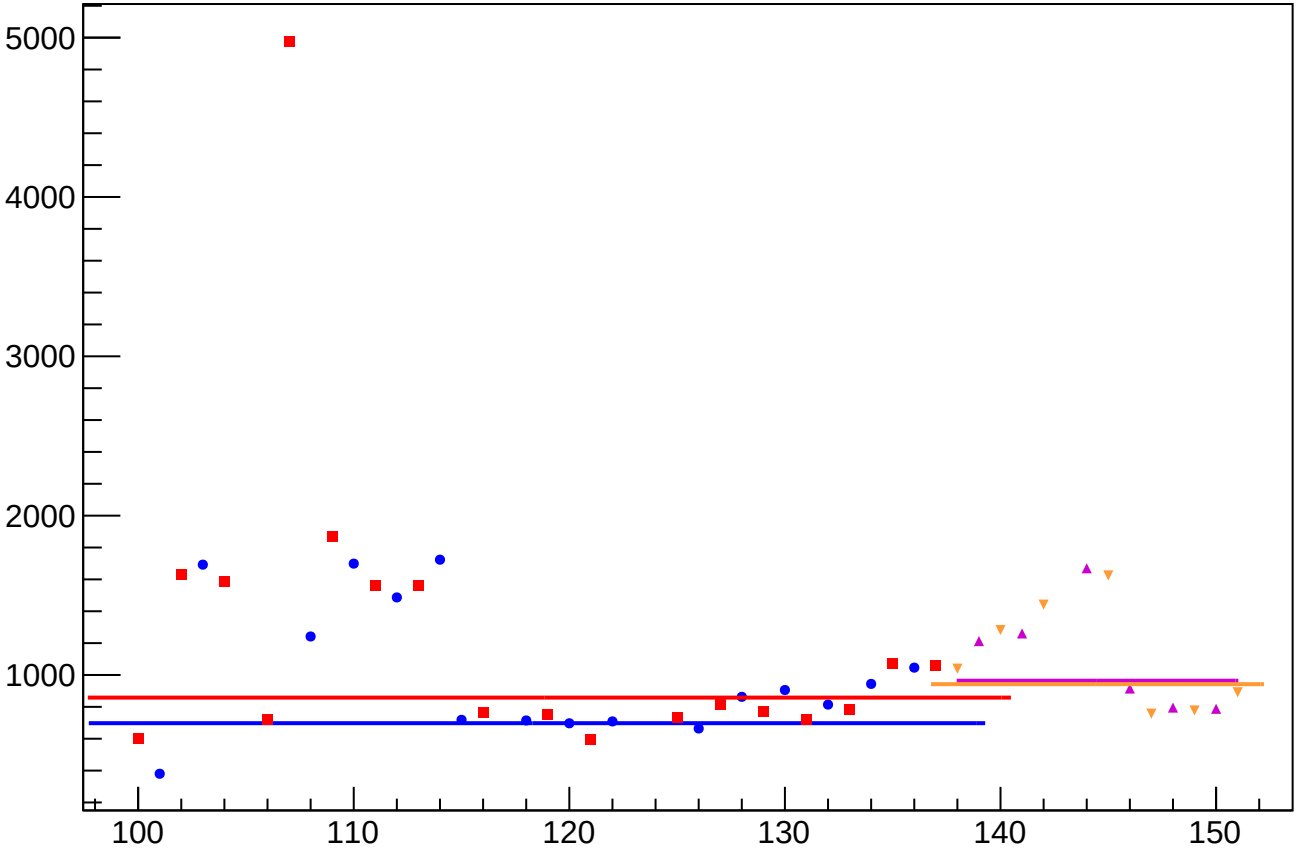
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -219.441+/-239.546 χ^2/NDF:21.0/21

Out: 82.911+/-265.796 χ^2/NDF:30.8/24

All: -83.928+/-177.943 χ^2/NDF: 52.5/46

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: 942.254+/-0.299 χ^2/NDF:688797.2/6

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 964.057+/-0.309 χ^2/NDF:654255.1/5

Left: 952.821+/-0.215 χ^2/NDF: 1345625.0/12

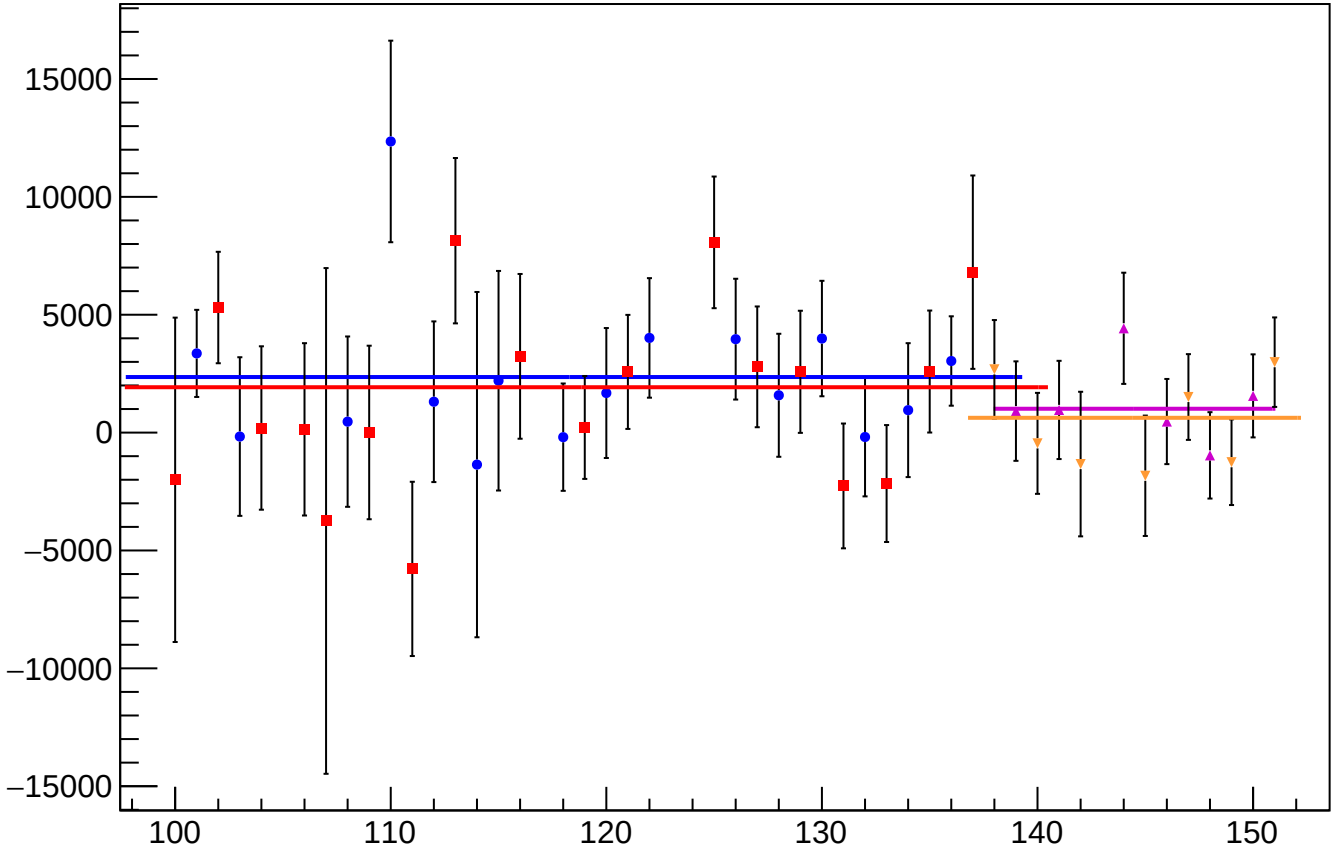
Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 777.822+/-0.169 χ^2/NDF:3611115.1/21

Out: 891.292+/-0.188 χ^2/NDF:2618867.4/24

All: 828.679+/-0.126 χ^2/NDF: 6431113.2/46

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 627.515+/-793.222 χ^2/NDF:5.4/6

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1011.879+/-800.263 χ^2/NDF:3.4/5

Left: 817.999+/-563.366 χ^2/NDF: 9.0/12

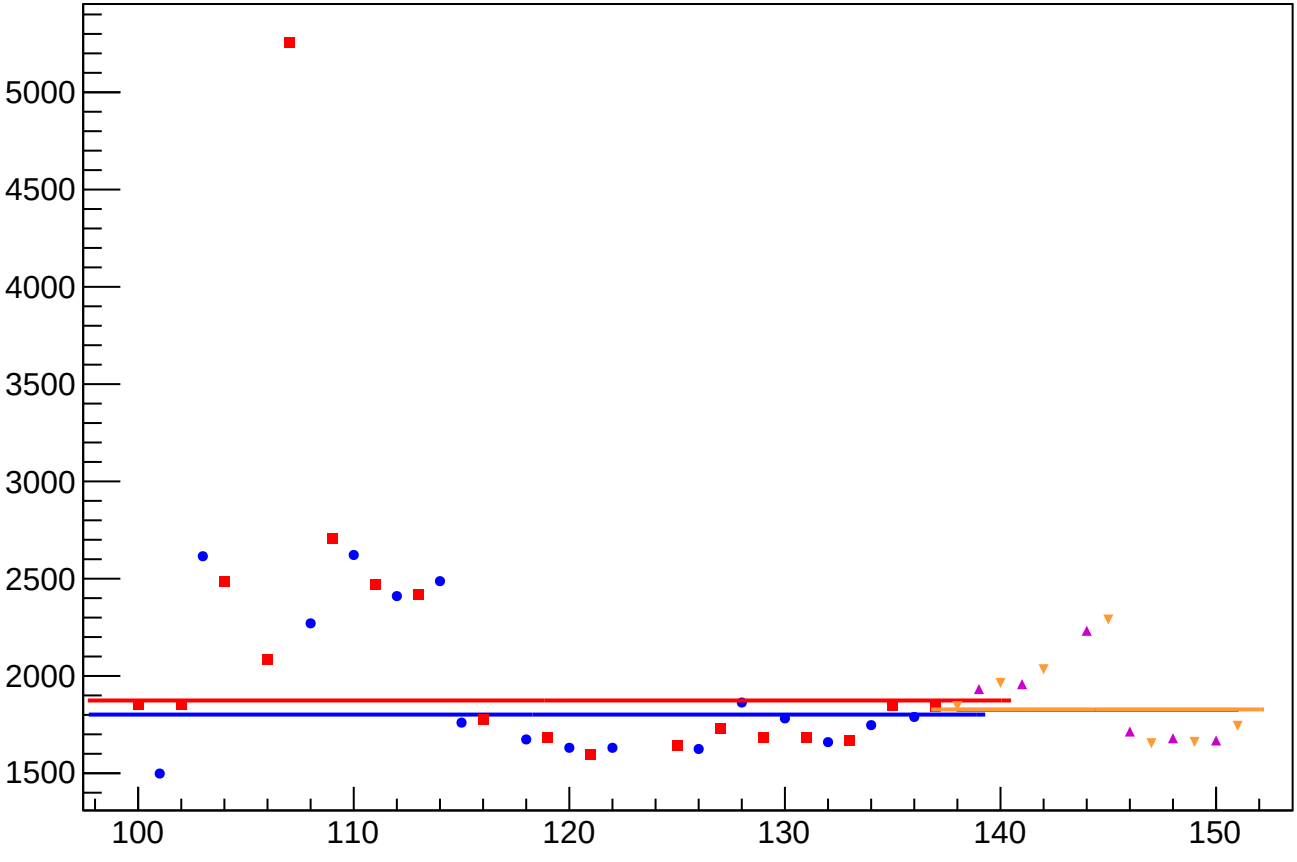
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1794.023+/-517.722 χ^2/NDF:16.1/21

Out: 1350.657+/-527.706 χ^2/NDF:30.3/24

All: 1576.574+/-369.564 χ^2/NDF: 46.8/46

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1827.885+/-0.561 χ^2/NDF:121751.3/6

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1825.405+/-0.566 χ^2/NDF:108829.3/5

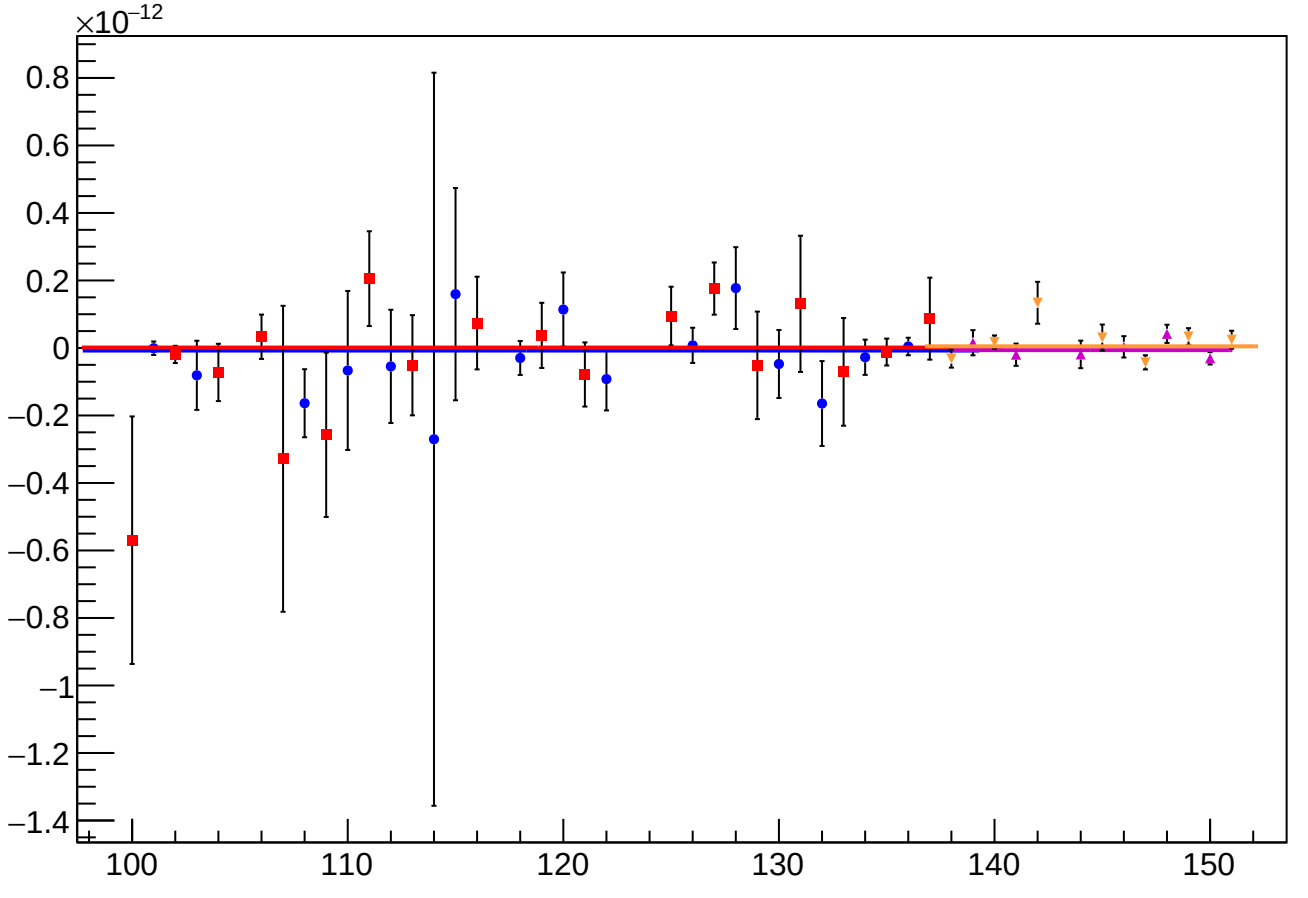
Left: 1826.656+/-0.398 χ^2/NDF: 230590.2/12

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1811.522+/-0.366 χ^2/NDF:510567.0/21

Out: 1853.577+/-0.373 χ^2/NDF:695424.3/24

All: 1832.148+/-0.261 χ^2/NDF: 1212463.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:5.6/5

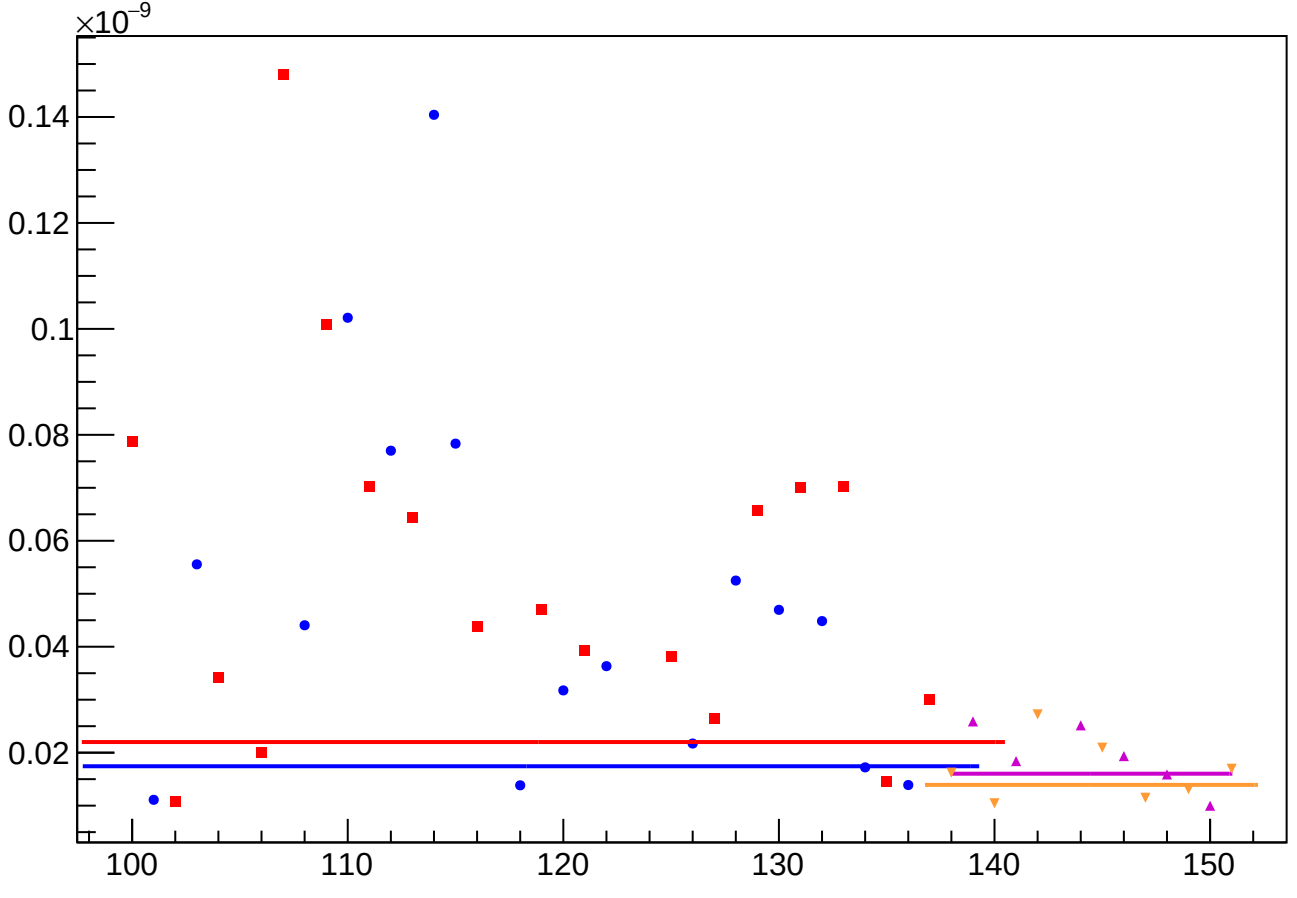
Left: 0.000+/-0.000 χ^2/NDF: 20.2/12

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:15.9/21

Out: 0.000+/-0.000 χ^2/NDF:30.7/24

All: -0.000+/-0.000 χ^2/NDF: 47.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:289222.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:489221.9/5

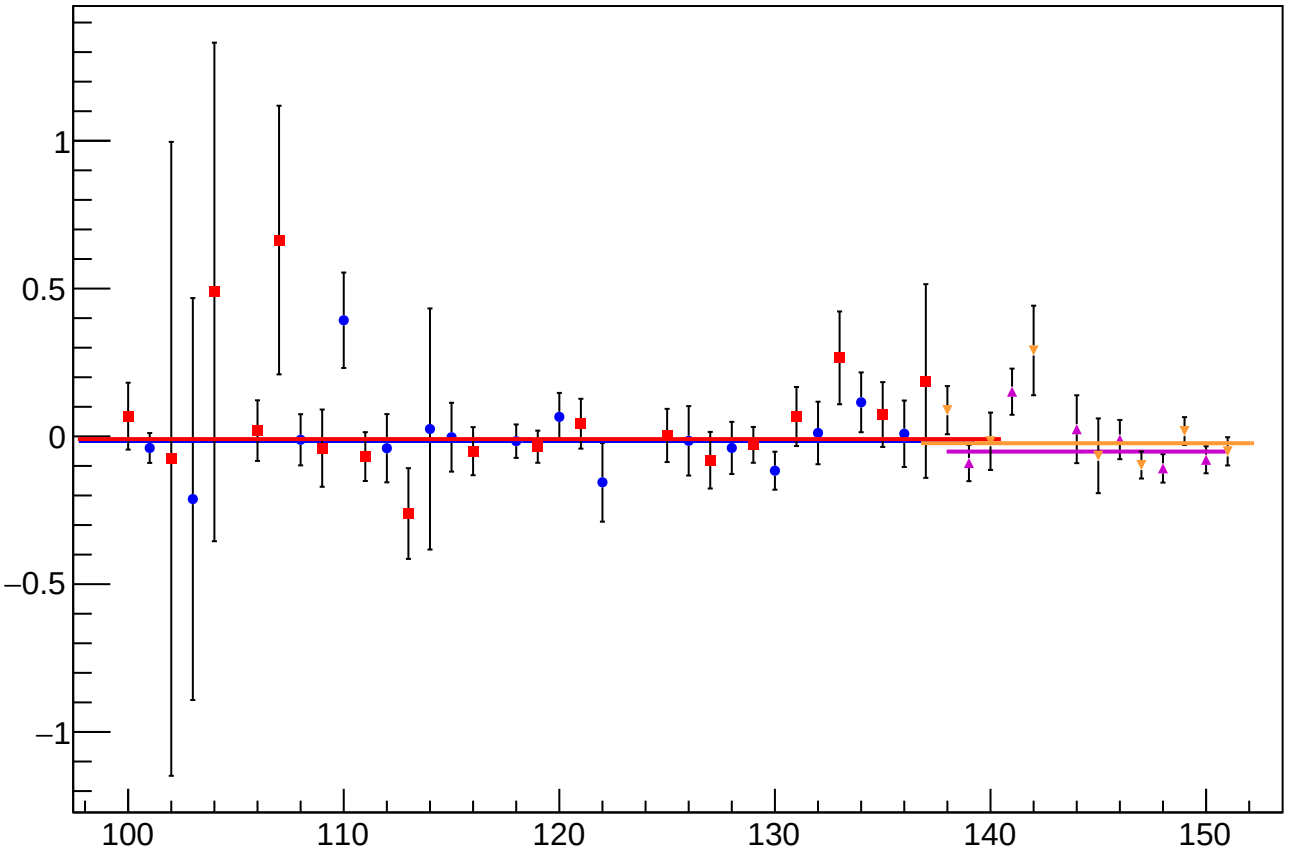
Left: 0.000+/-0.000 χ^2/NDF: 816972.5/12

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2342291.5/21

Out: 0.000+/-0.000 χ^2/NDF:2720824.9/24

All: 0.000+/-0.000 χ^2/NDF: 5069525.6/46



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.051+/-0.025 χ^2/NDF:9.7/5

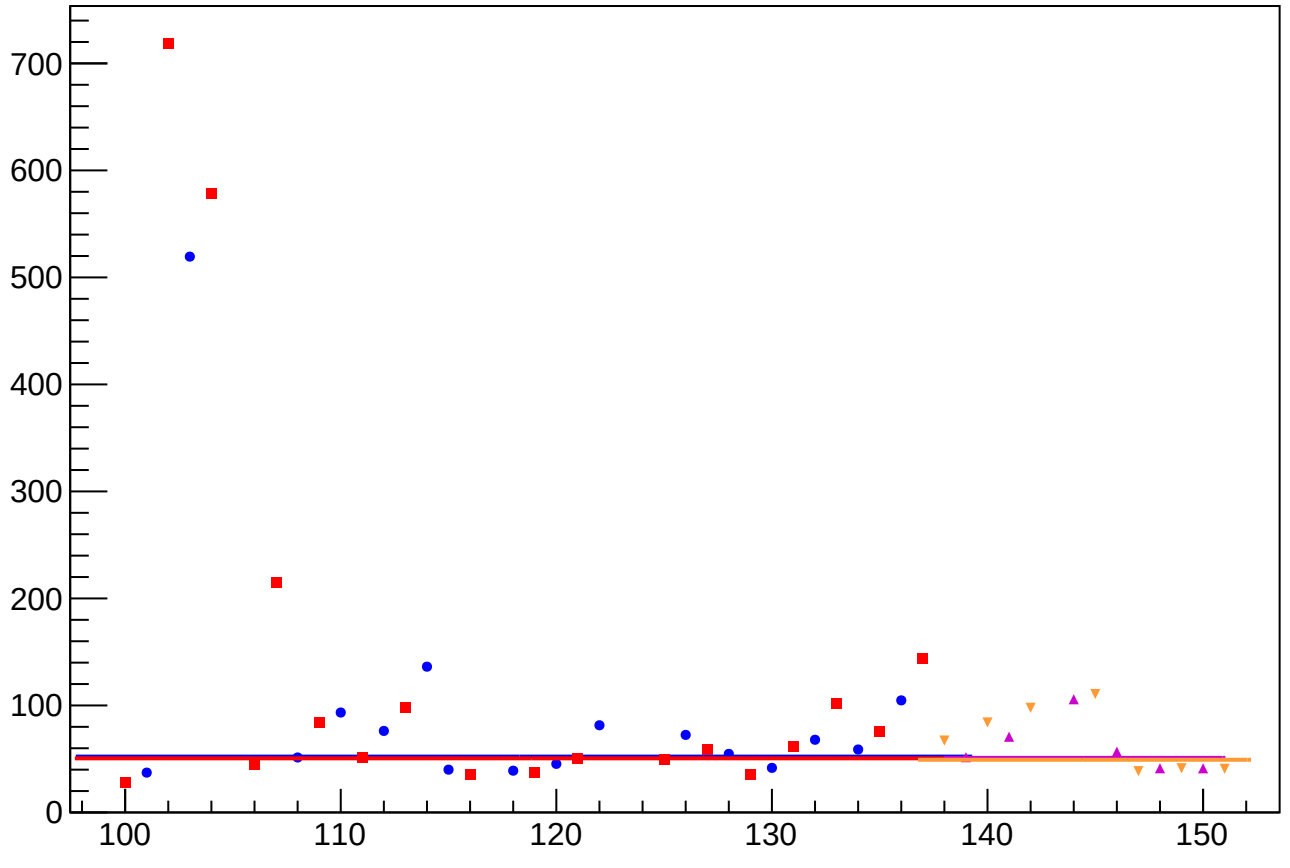
Left: -0.037+/-0.017 χ^2/NDF: 20.4/12

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.032+/-0.017 χ^2/NDF:24.0/21

Out: -0.016+/-0.017 χ^2/NDF:22.6/24

All: -0.024+/-0.012 χ^2/NDF: 47.1/46



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 49.254+/-0.017 χ^2/NDF:1260078.0/6

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 50.998+/-0.017 χ^2/NDF:771880.3/5

Left: 50.104+/-0.012 χ^2/NDF: 2037090.9/12

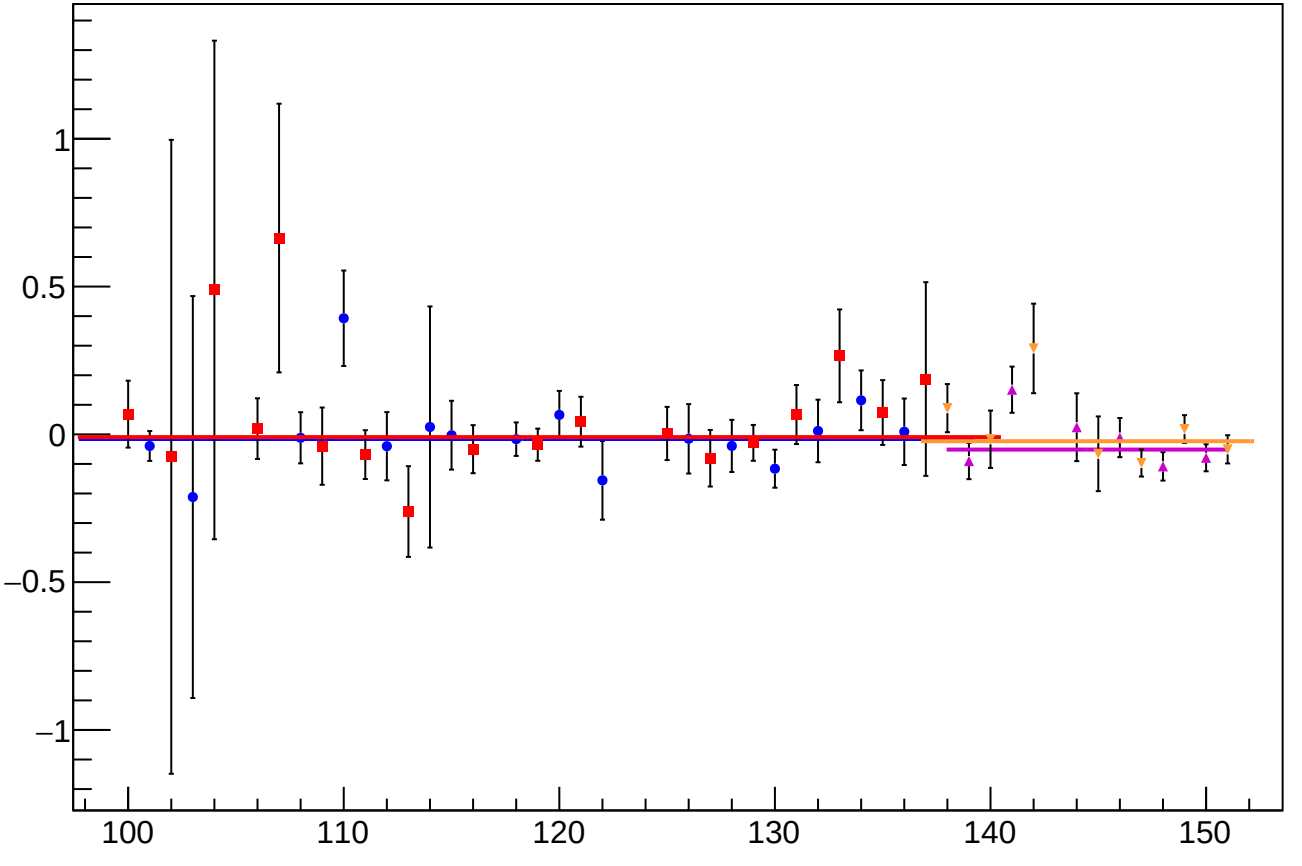
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 51.645+/-0.012 χ^2/NDF:3041346.7/21

Out: 49.930+/-0.012 χ^2/NDF:4314565.1/24

All: 50.796+/-0.008 χ^2/NDF: 7366383.5/46

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.051+/-0.025 χ^2/NDF:9.7/5

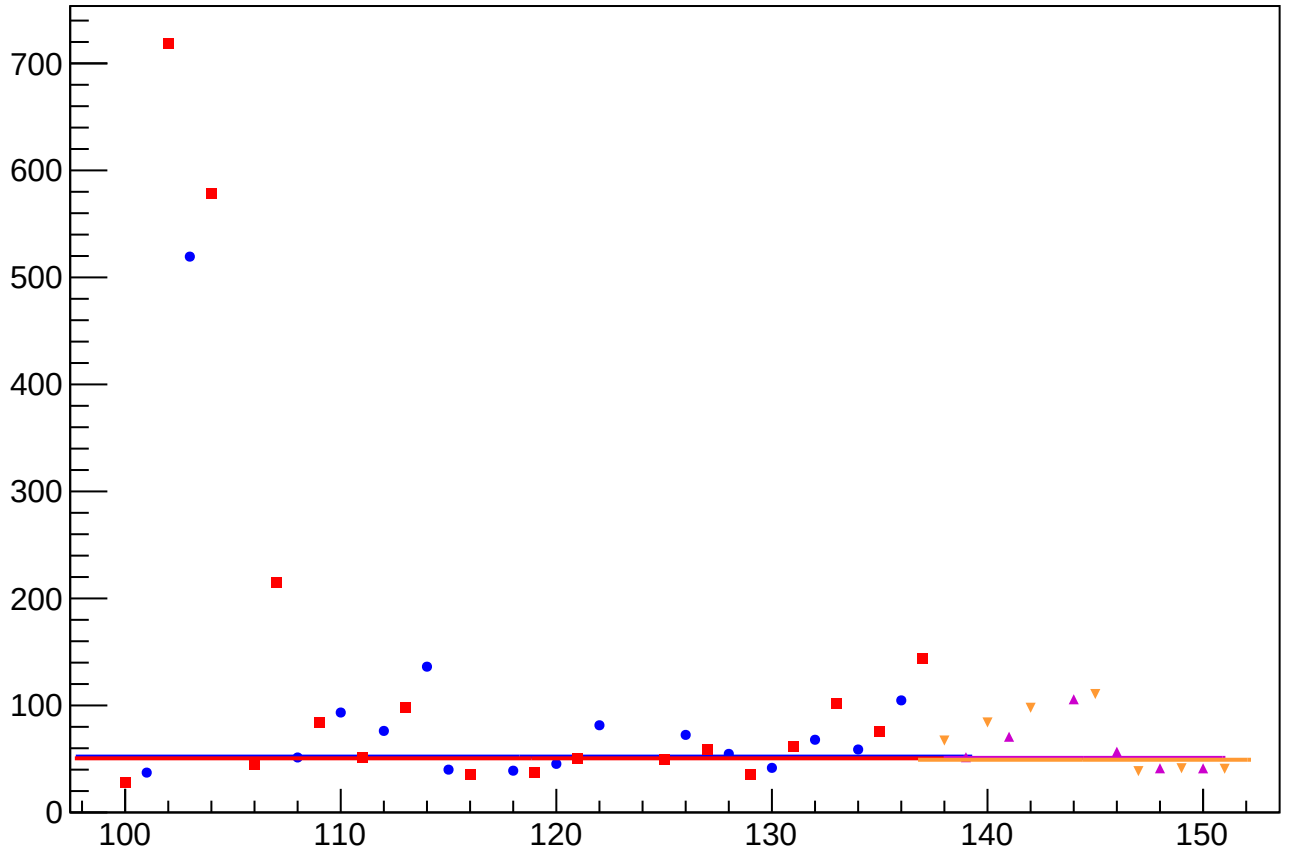
Left: -0.037+/-0.017 χ^2/NDF: 20.4/12

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.032+/-0.017 χ^2/NDF:24.0/21

Out: -0.016+/-0.017 χ^2/NDF:22.6/24

All: -0.024+/-0.012 χ^2/NDF: 47.1/46



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 49.254+/-0.017 χ^2/NDF:1260078.0/6

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 50.998+/-0.017 χ^2/NDF:771880.3/5

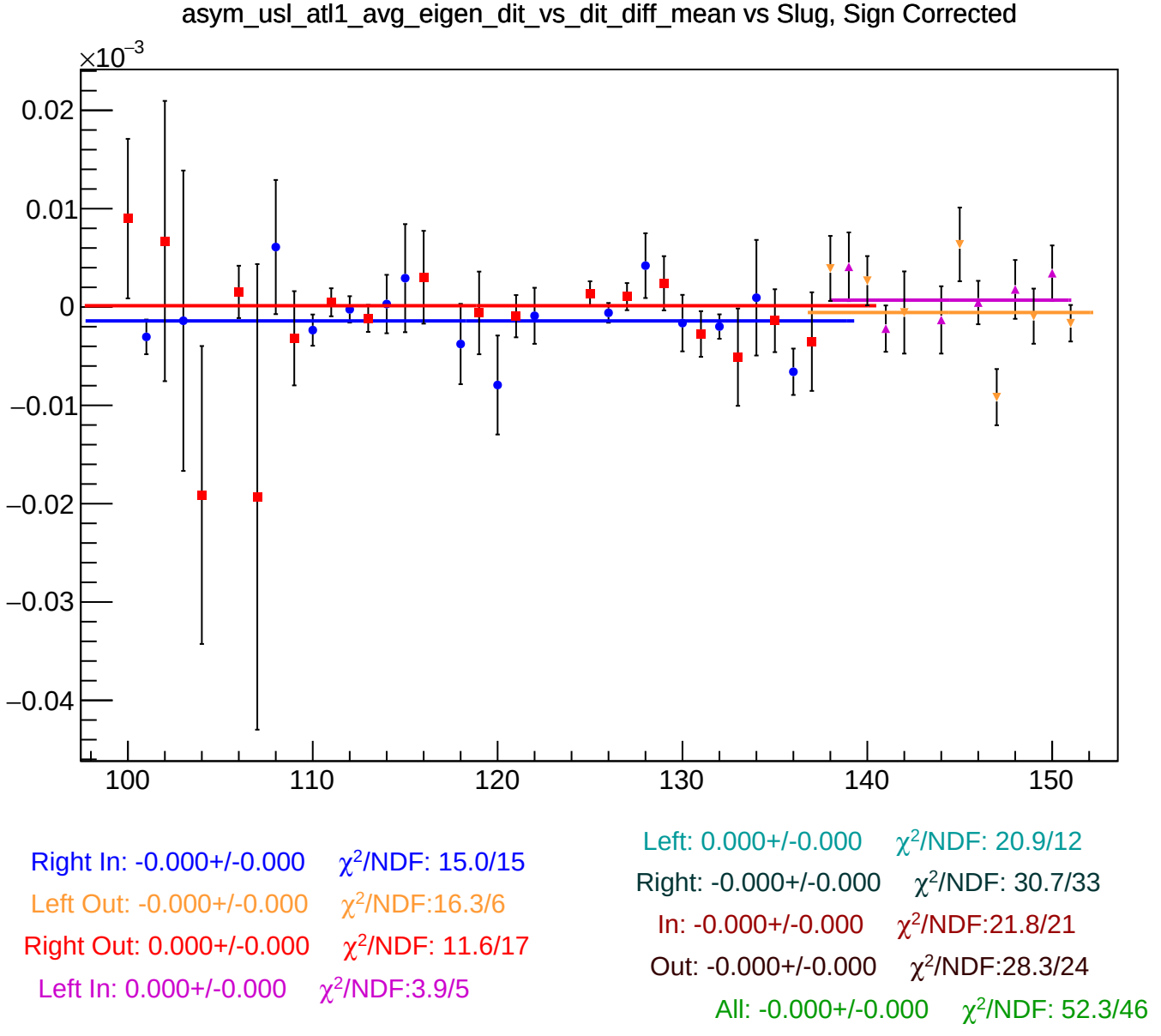
Left: 50.104+/-0.012 χ^2/NDF: 2037090.9/12

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

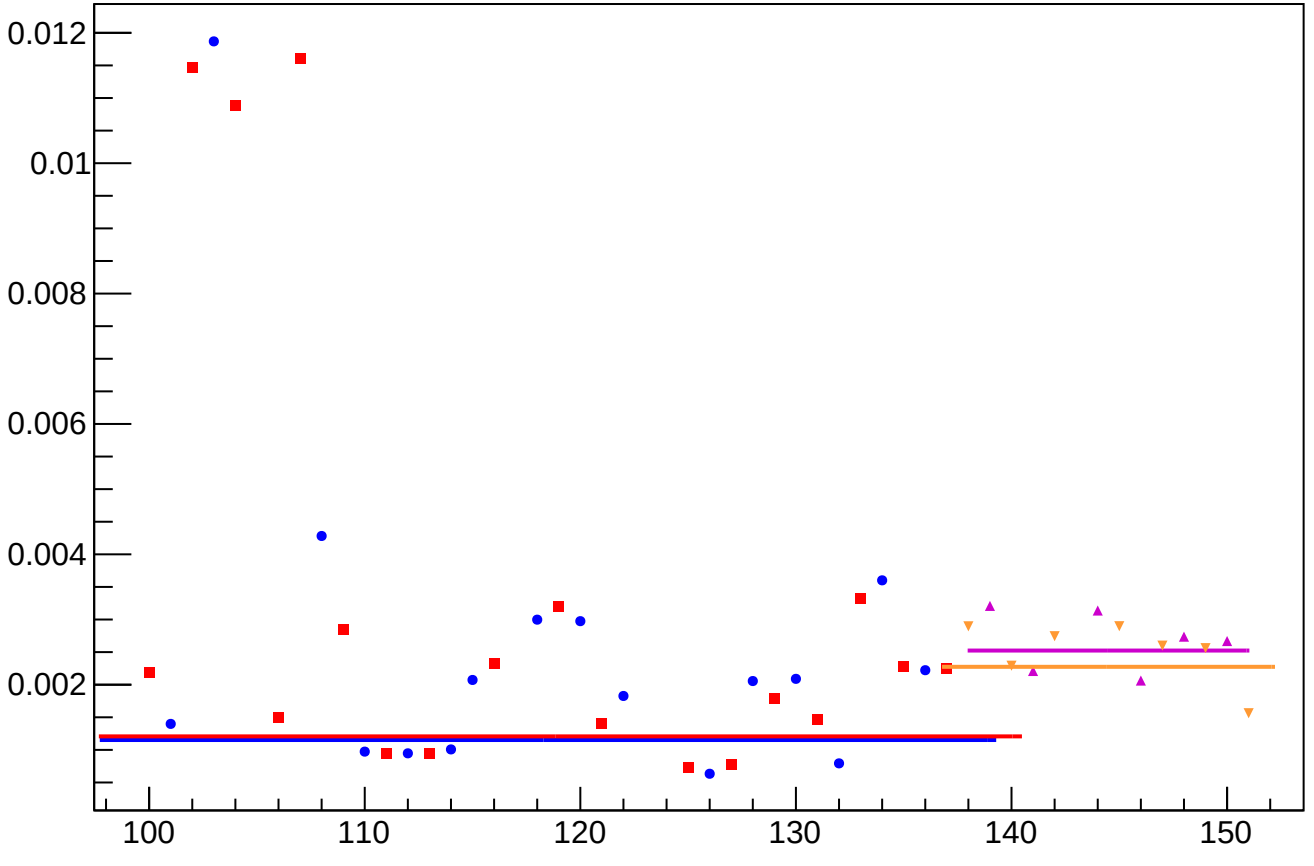
In: 51.645+/-0.012 χ^2/NDF:3041346.7/21

Out: 49.930+/-0.012 χ^2/NDF:4314565.1/24

All: 50.796+/-0.008 χ^2/NDF: 7366383.5/46


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:16.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 11.6/17
Left In: 0.000+/-0.000 χ²/NDF:3.9/5
Left: 0.000+/-0.000 χ²/NDF: 20.9/12
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:21.8/21
Out: -0.000+/-0.000 χ²/NDF:28.3/24
All: -0.000+/-0.000 χ²/NDF: 52.3/46

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:492512.9/6

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.003+/-0.000 χ^2/NDF:279175.7/5

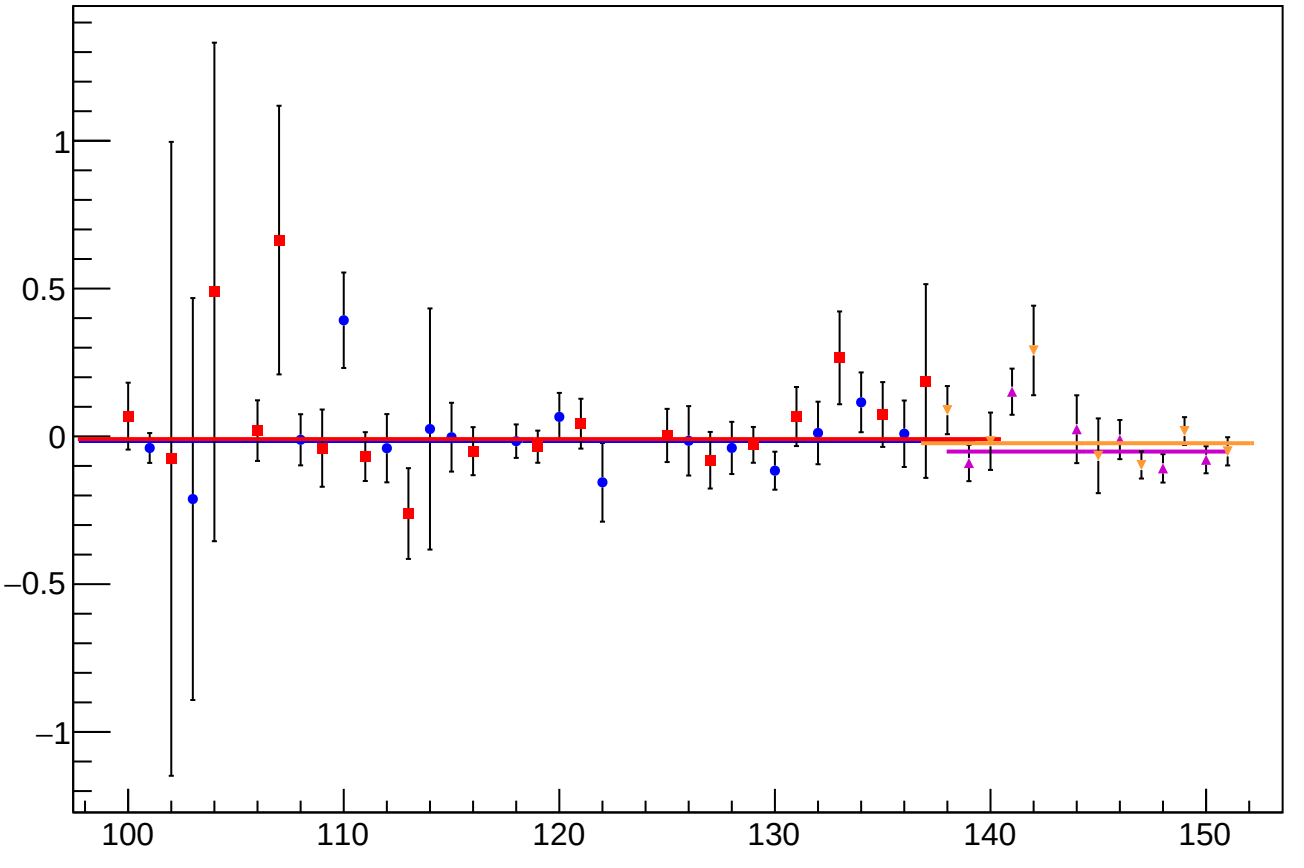
Left: 0.002+/-0.000 χ^2/NDF: 824609.1/12

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:6924366.8/21

Out: 0.001+/-0.000 χ^2/NDF:6643866.6/24

All: 0.001+/-0.000 χ^2/NDF: 13580529.5/46



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.051+/-0.025 χ^2/NDF:9.7/5

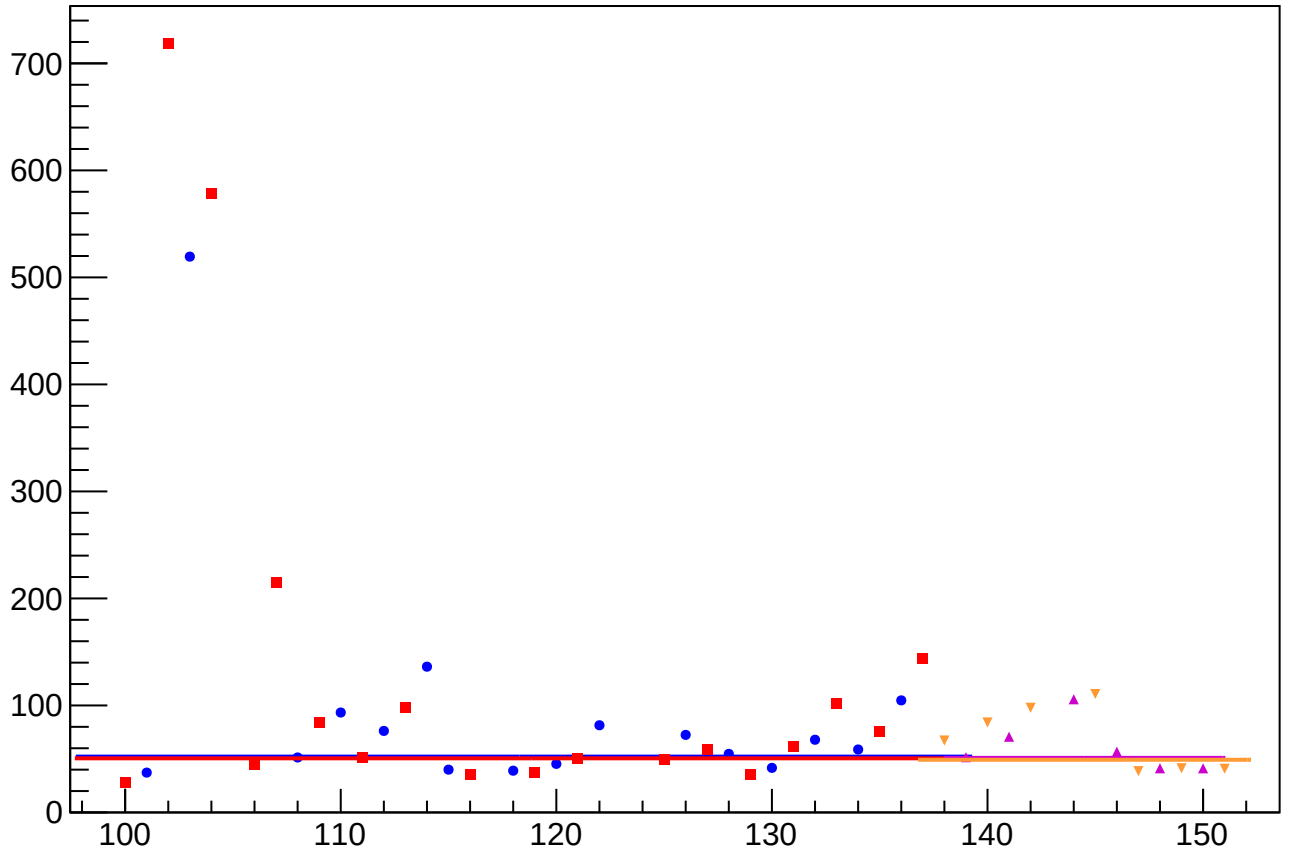
Left: -0.037+/-0.017 χ^2/NDF: 20.4/12

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.032+/-0.017 χ^2/NDF:24.0/21

Out: -0.016+/-0.017 χ^2/NDF:22.6/24

All: -0.024+/-0.012 χ^2/NDF: 47.1/46



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 49.255+/-0.017 χ^2/NDF:1260051.6/6

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 50.999+/-0.017 χ^2/NDF:771864.2/5

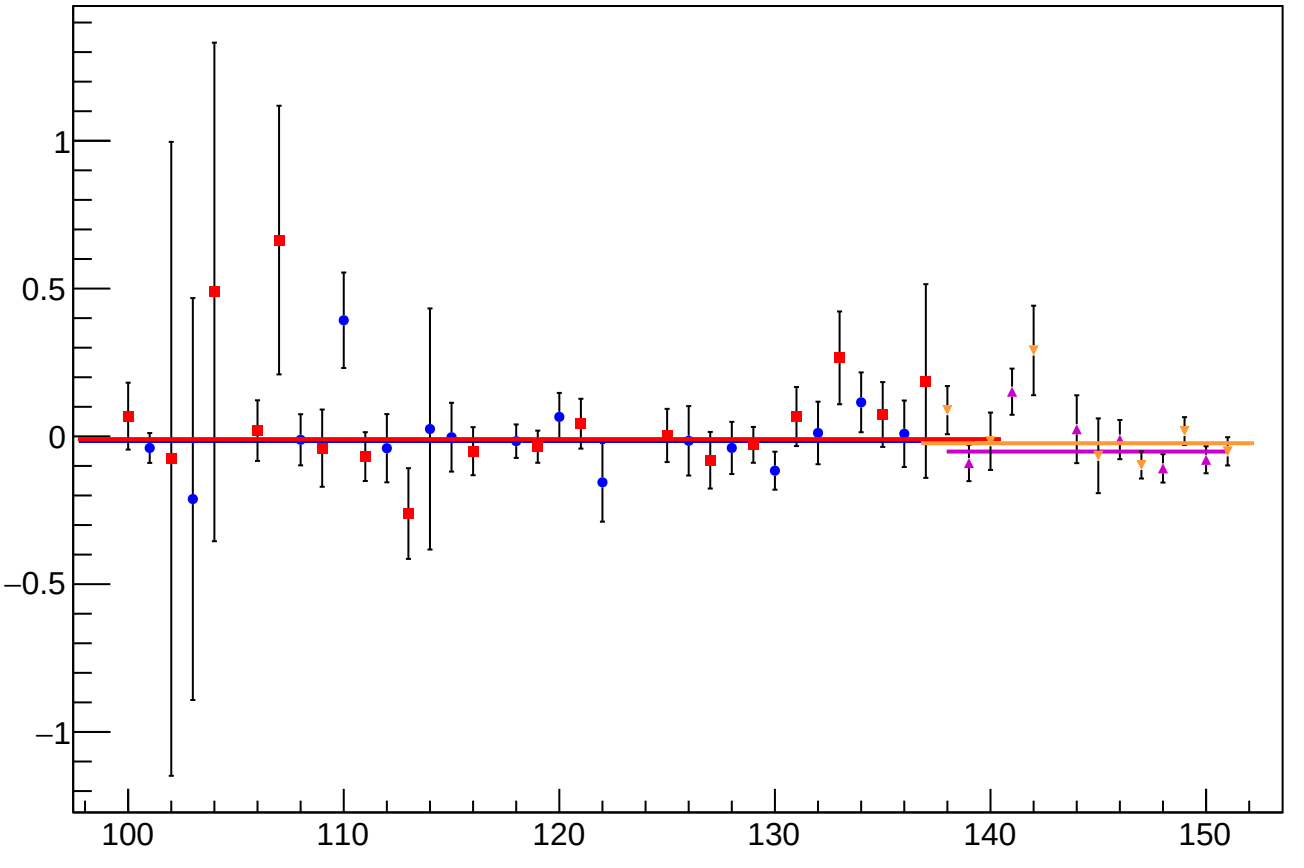
Left: 50.104+/-0.012 χ^2/NDF: 2037048.9/12

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 51.645+/-0.012 χ^2/NDF:3041322.5/21

Out: 49.930+/-0.012 χ^2/NDF:4314521.3/24

All: 50.796+/-0.008 χ^2/NDF: 7366316.8/46



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: -0.023+/-0.024 χ^2/NDF:10.0/6

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.051+/-0.025 χ^2/NDF:9.7/5

Left: -0.037+/-0.017 χ^2/NDF: 20.4/12

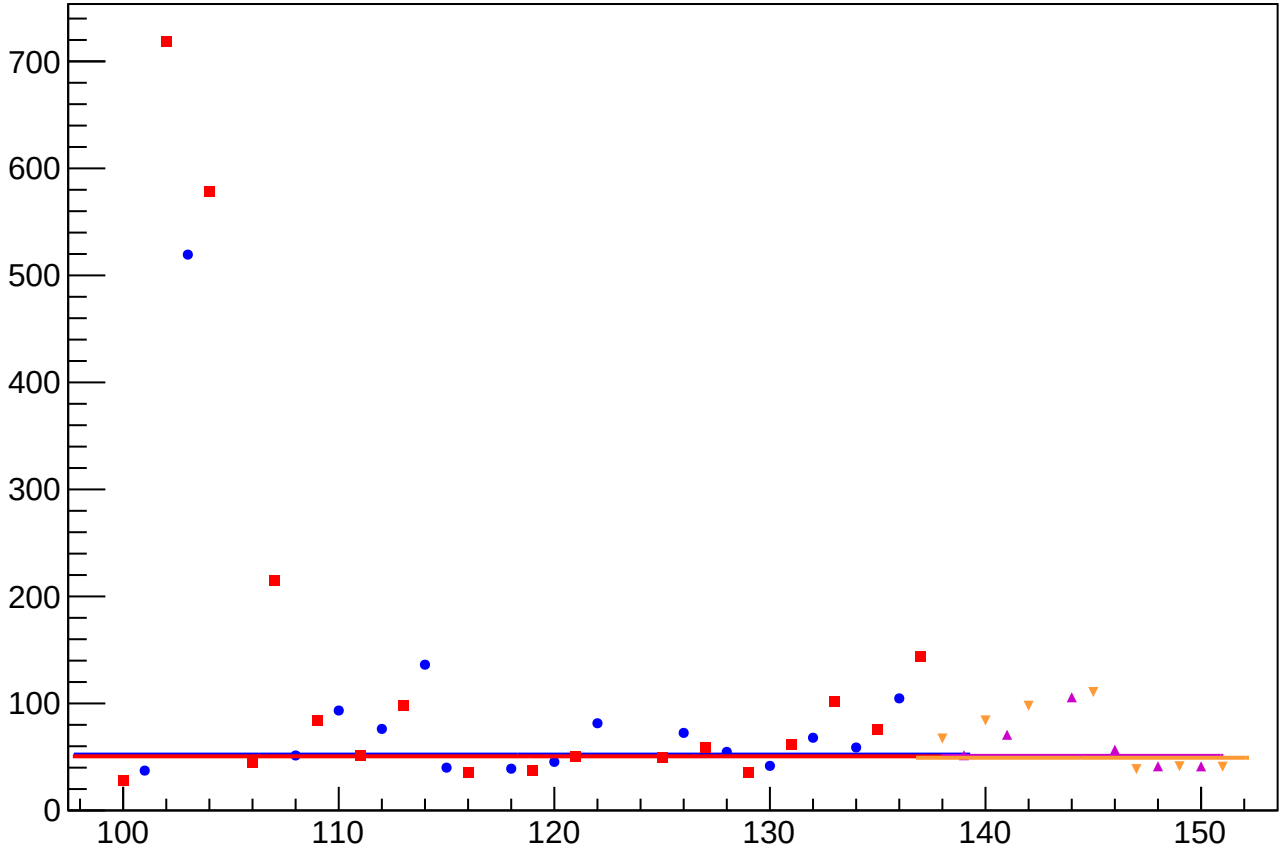
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.032+/-0.017 χ^2/NDF:24.0/21

Out: -0.016+/-0.017 χ^2/NDF:22.6/24

All: -0.024+/-0.012 χ^2/NDF: 47.1/46

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 49.255+/-0.017 χ^2/NDF:1260051.6/6

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 50.999+/-0.017 χ^2/NDF:771864.2/5

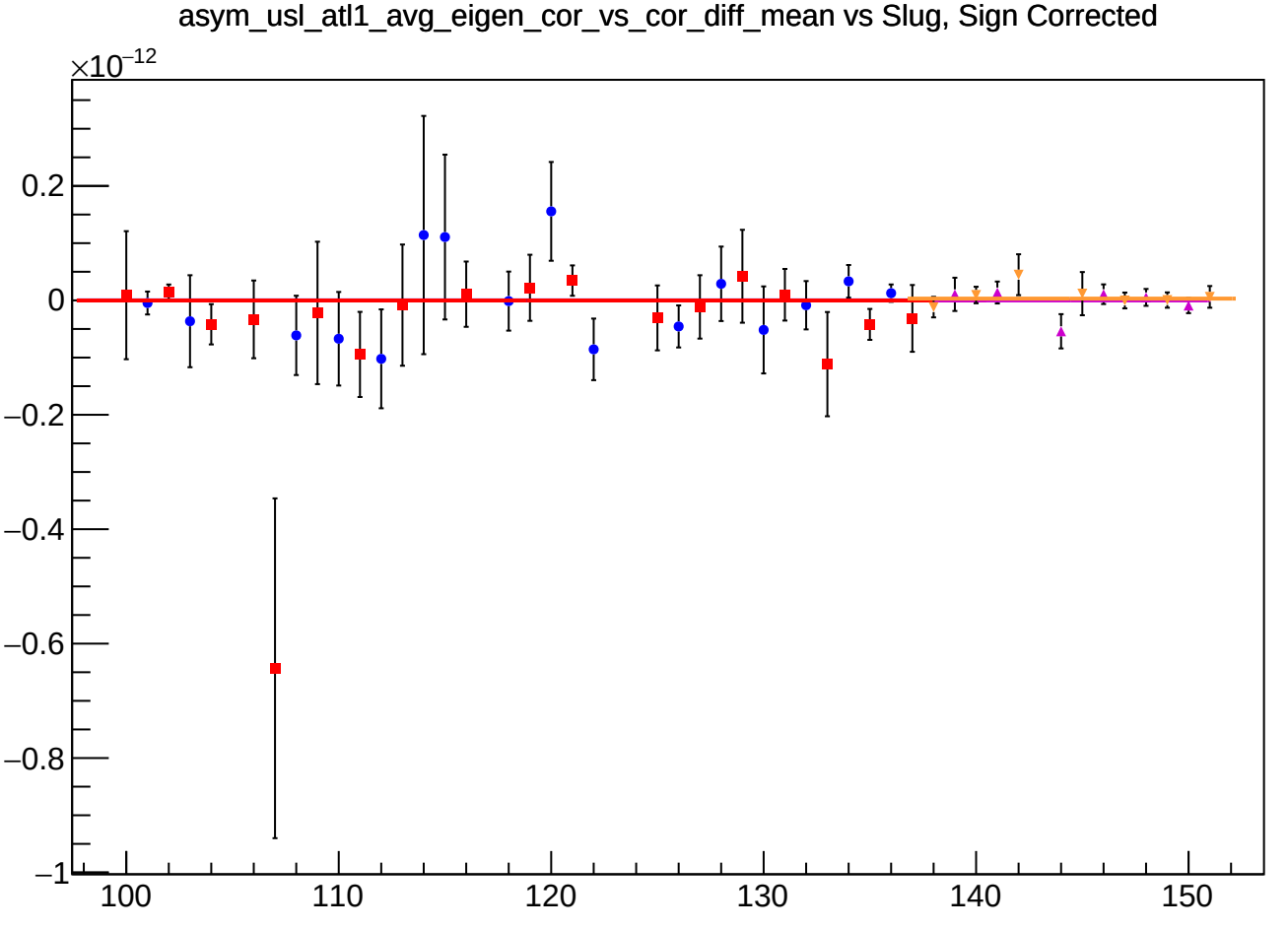
Left: 50.104+/-0.012 χ^2/NDF: 2037048.9/12

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 51.645+/-0.012 χ^2/NDF:3041322.5/21

Out: 49.930+/-0.012 χ^2/NDF:4314521.3/24

All: 50.796+/-0.008 χ^2/NDF: 7366316.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:4.9/5

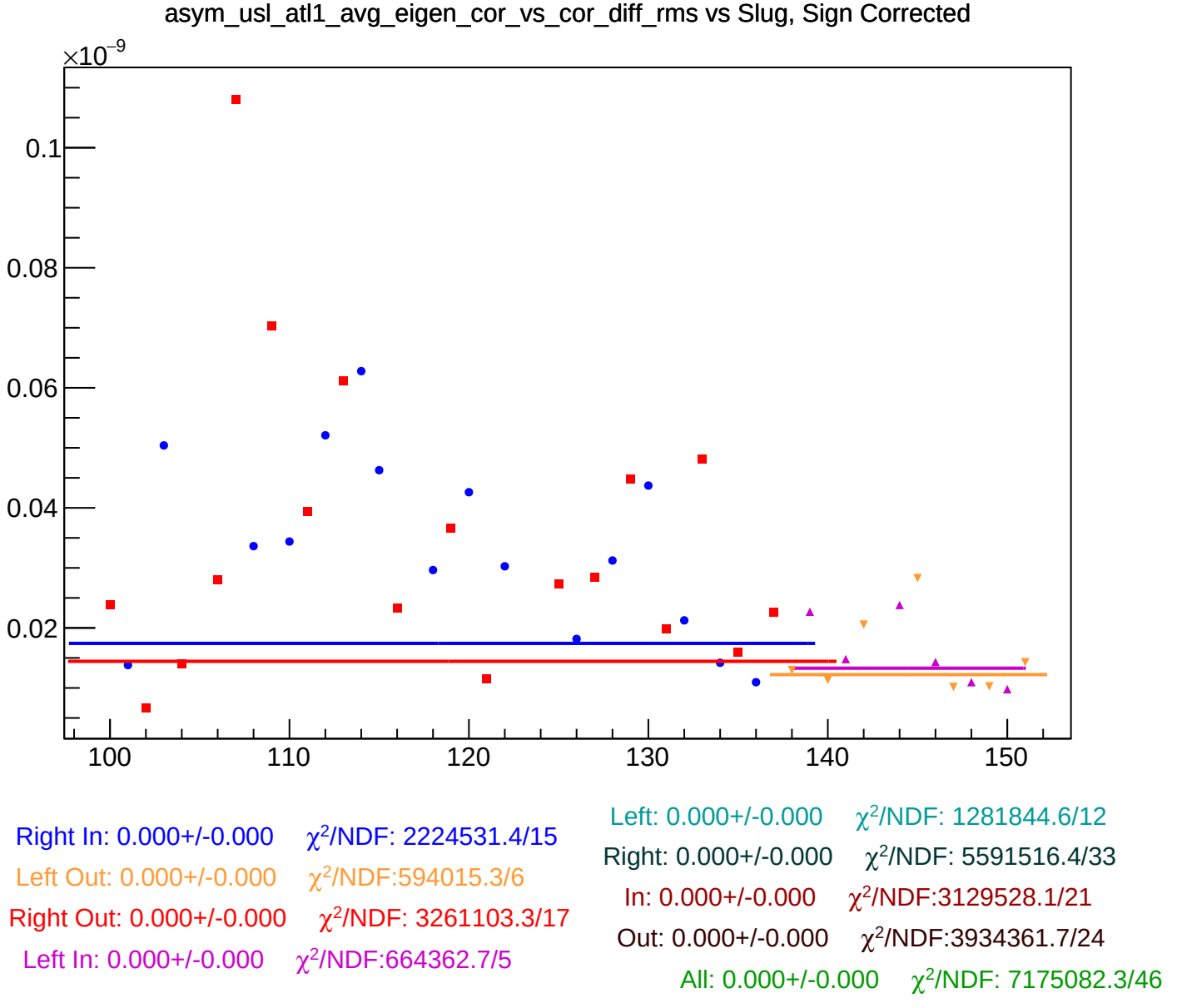
Left: 0.000+/-0.000 χ^2/NDF: 7.4/12

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

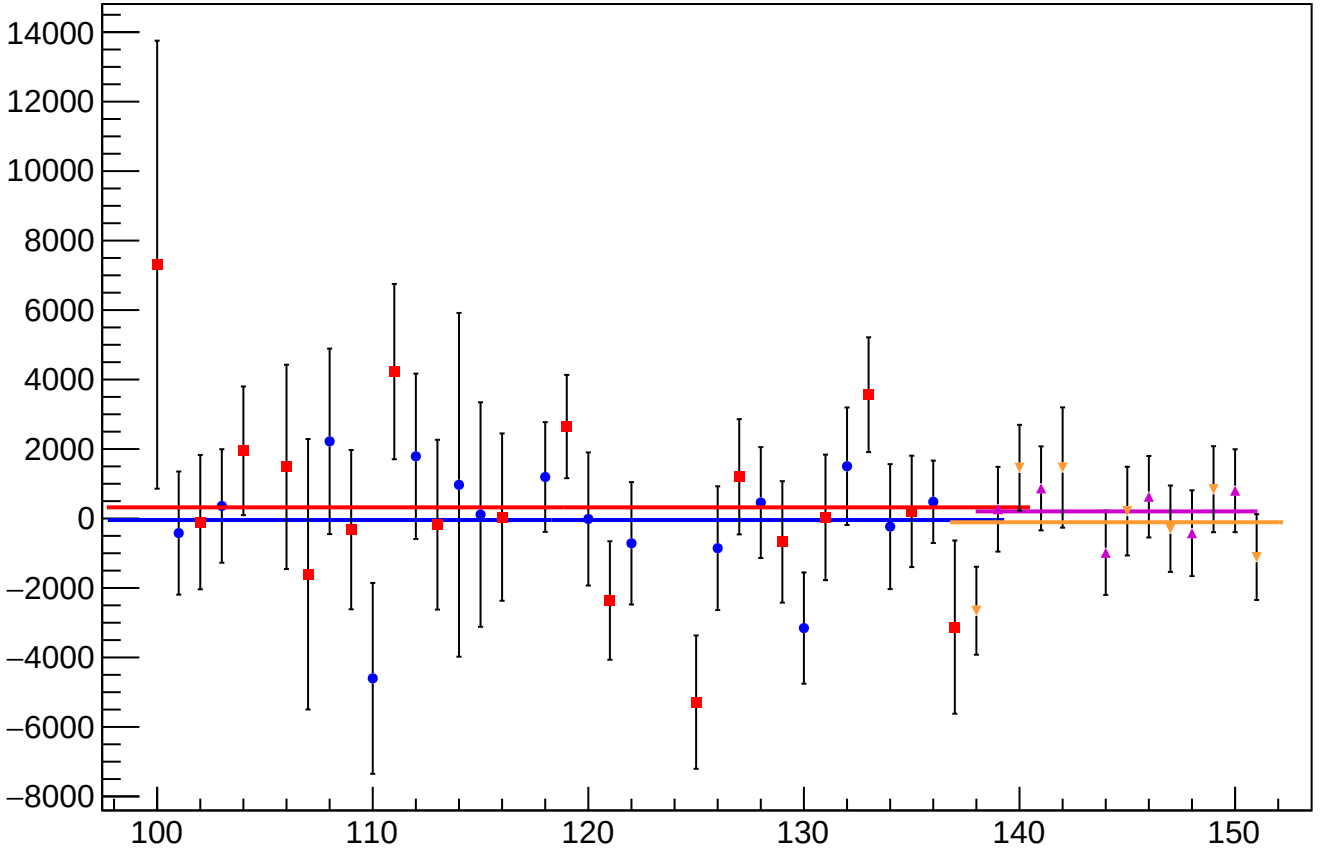
In: -0.000+/-0.000 χ^2/NDF:18.9/21

Out: 0.000+/-0.000 χ^2/NDF:18.5/24

All: 0.000+/-0.000 χ^2/NDF: 37.5/46


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:594015.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:664362.7/5
Left: 0.000+/-0.000 χ²/NDF: 1281844.6/12
Right: 0.000+/-0.000 χ²/NDF: 5591516.4/33
In: 0.000+/-0.000 χ²/NDF:3129528.1/21
Out: 0.000+/-0.000 χ²/NDF:3934361.7/24
All: 0.000+/-0.000 χ²/NDF: 7175082.3/46

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -107.274+/-489.080 χ^2/NDF:7.8/6

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 204.483+/-492.658 χ^2/NDF:1.9/5

Left: 47.469+/-347.090 χ^2/NDF: 9.9/12

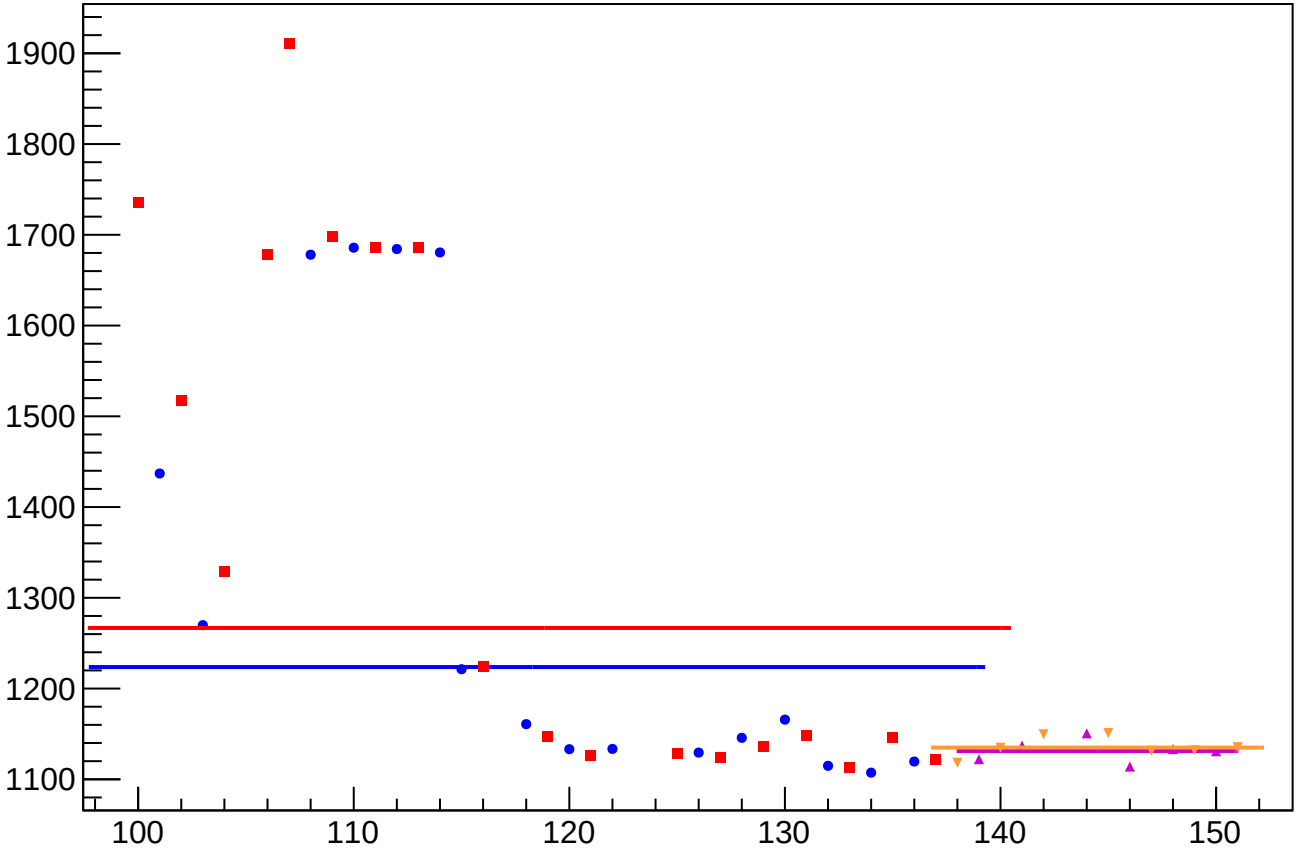
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 71.695+/-335.918 χ^2/NDF:12.1/21

Out: 113.281+/-340.722 χ^2/NDF:33.0/24

All: 92.192+/-239.210 χ^2/NDF: 45.1/46

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.999+/-0.346 χ^2/NDF:837.3/6

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1131.209+/-0.348 χ^2/NDF:1105.1/5

Left: 1133.118+/-0.245 χ^2/NDF: 2001.9/12

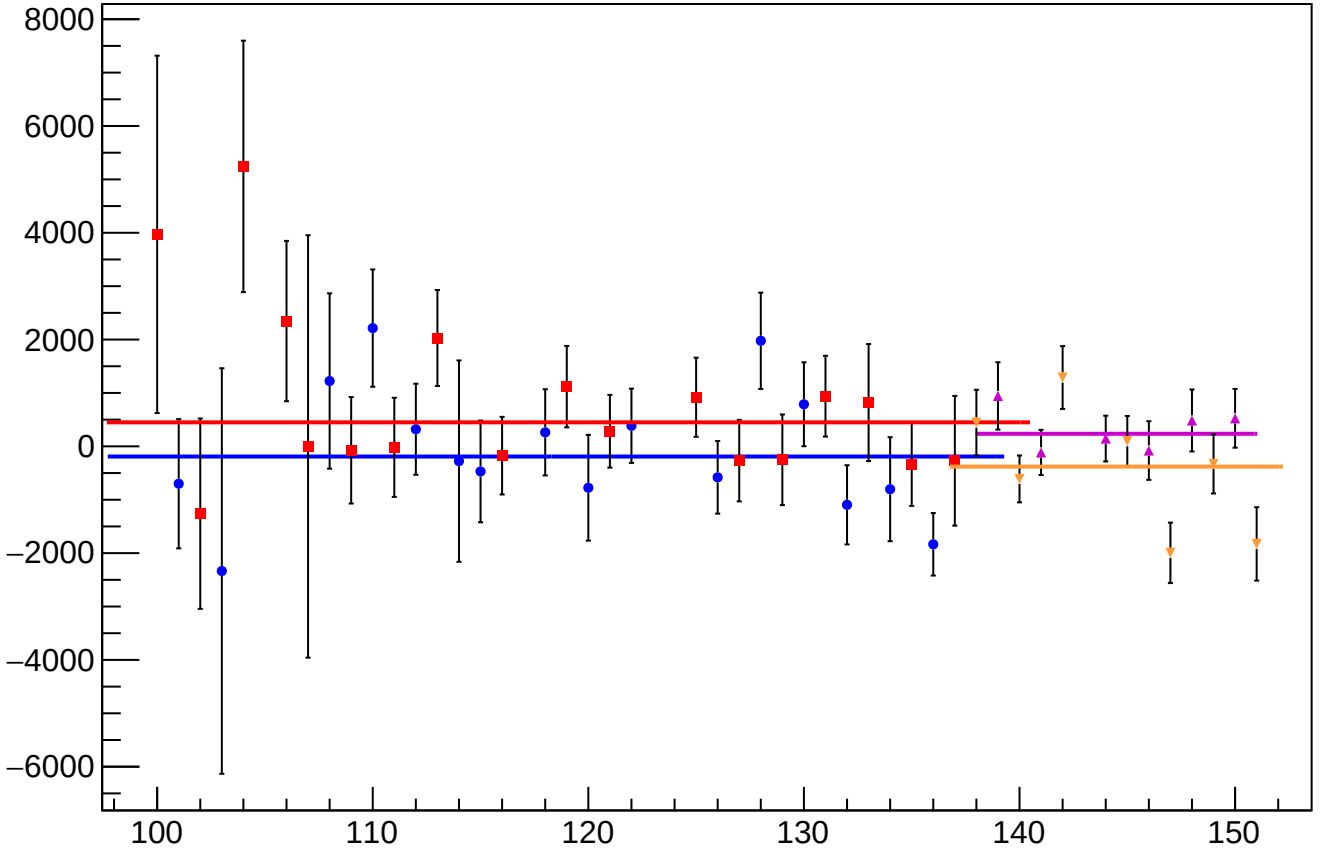
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1180.702+/-0.238 χ^2/NDF:333794.1/21

Out: 1202.822+/-0.241 χ^2/NDF:508413.9/24

All: 1191.605+/-0.169 χ^2/NDF: 846482.3/46

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -379.580+/-205.294 χ^2/NDF:23.7/6

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 235.371+/-207.930 χ^2/NDF:2.8/5

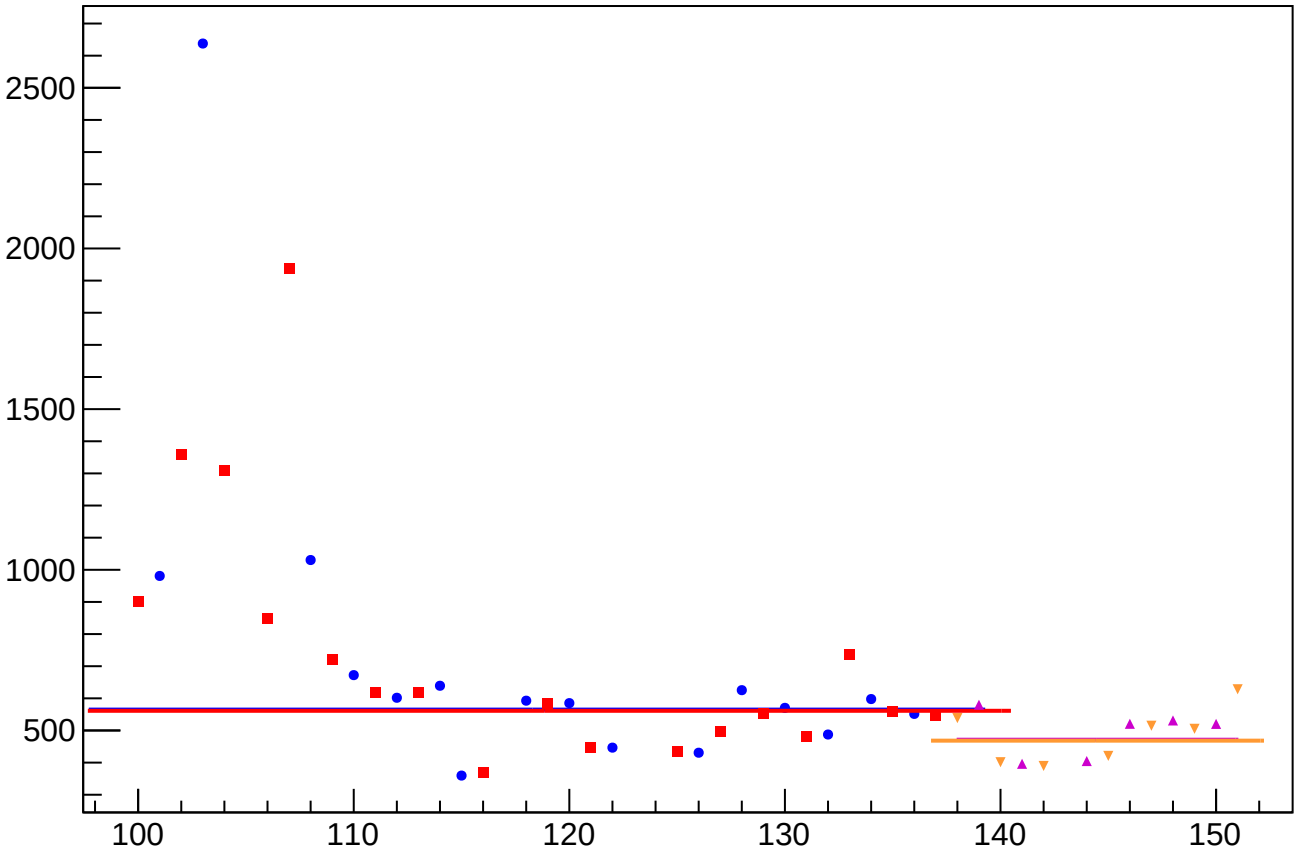
Left: -76.029+/-146.088 χ^2/NDF: 30.9/12

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 37.123+/-152.036 χ^2/NDF:30.0/21

Out: 0.528+/-151.100 χ^2/NDF:48.0/24

All: 18.712+/-107.173 χ^2/NDF: 78.0/46



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 468.329+/-0.145 χ^2/NDF:259586.8/6

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 471.216+/-0.147 χ^2/NDF:223828.1/5

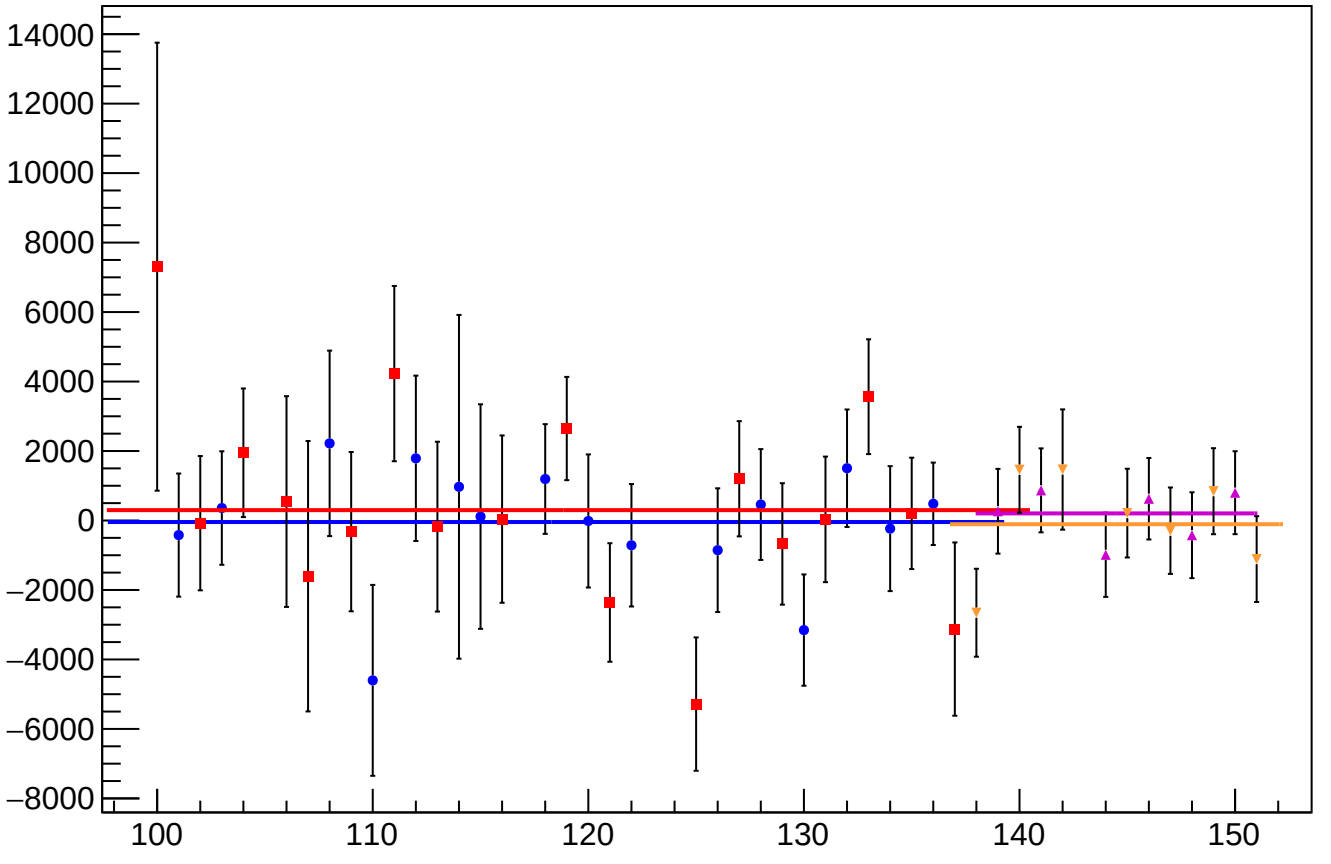
Left: 469.754+/-0.103 χ^2/NDF: 483610.2/12

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 514.841+/-0.108 χ^2/NDF:1697479.8/21

Out: 510.909+/-0.107 χ^2/NDF:1799574.0/24

All: 512.863+/-0.076 χ^2/NDF: 3497726.5/46



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -107.145+/-489.080 χ^2/NDF:7.8/6

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 204.409+/-492.658 χ^2/NDF:1.9/5

Left: 47.496+/-347.090 χ^2/NDF: 9.9/12

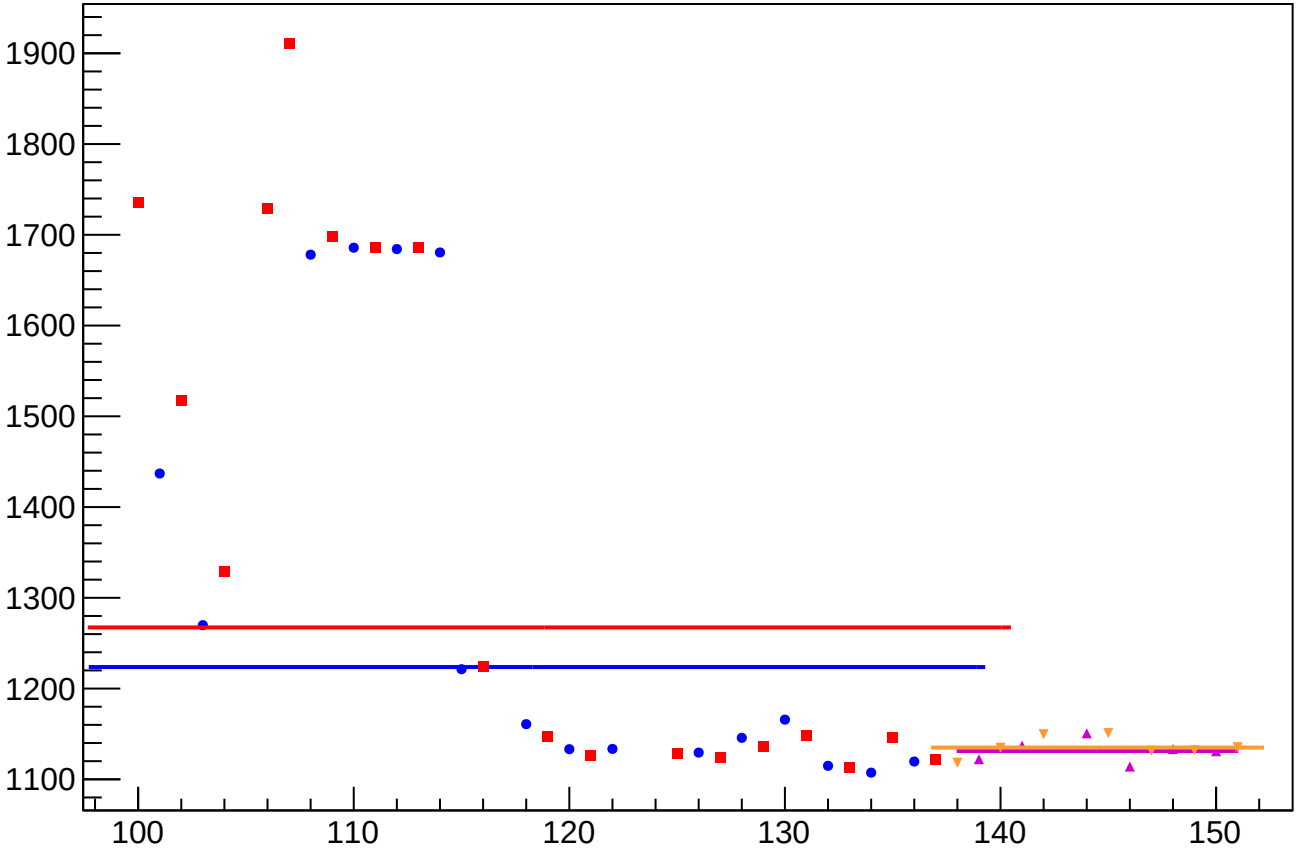
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 71.531+/-335.918 χ^2/NDF:12.1/21

Out: 101.316+/-340.861 χ^2/NDF:32.8/24

All: 86.206+/-239.258 χ^2/NDF: 44.9/46

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.999+/-0.346 χ^2/NDF:837.3/6

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.209+/-0.348 χ^2/NDF:1105.1/5

Left: 1133.118+/-0.245 χ^2/NDF: 2001.9/12

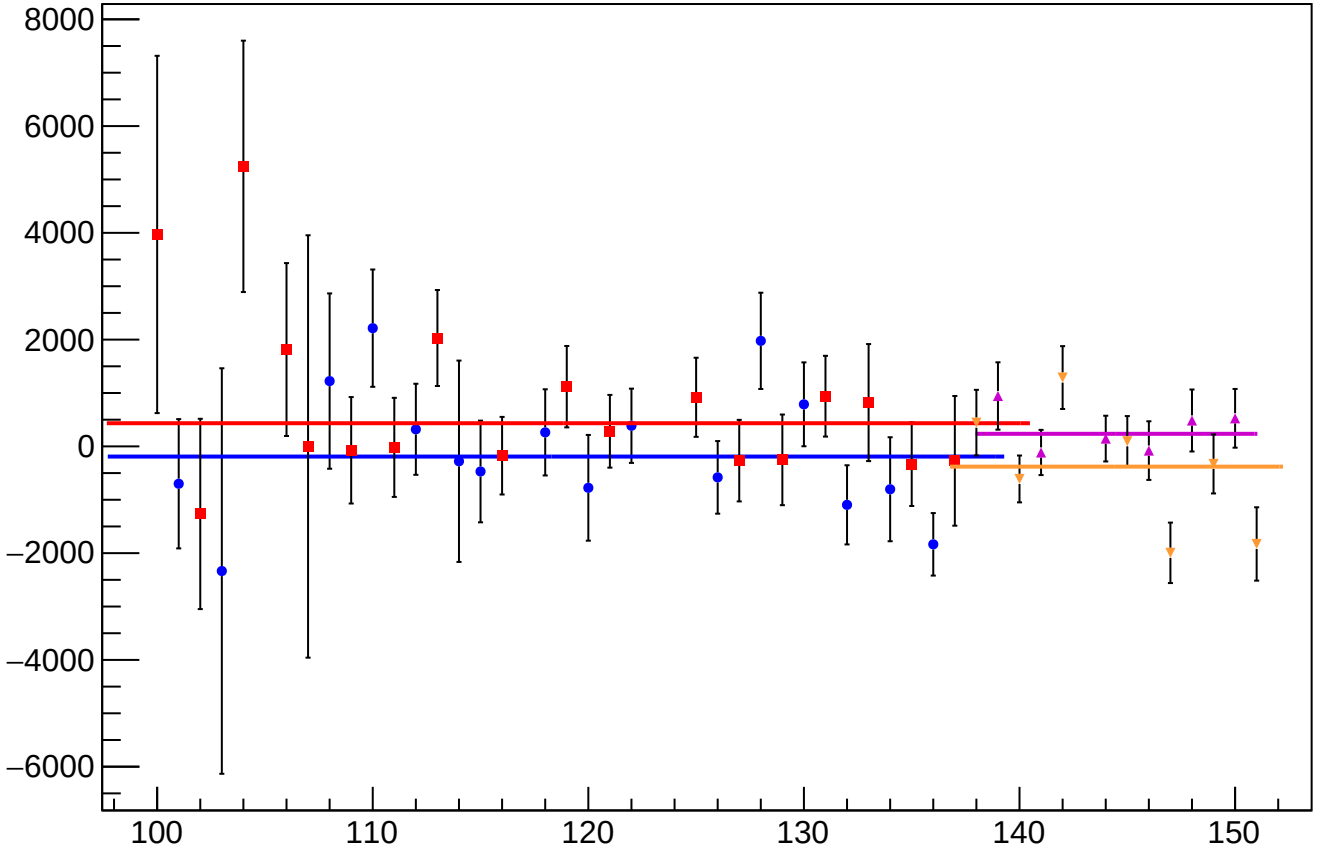
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1180.702+/-0.238 χ^2/NDF:333794.2/21

Out: 1203.070+/-0.241 χ^2/NDF:516156.2/24

All: 1191.723+/-0.169 χ^2/NDF: 854319.3/46

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -379.561+/-205.293 χ^2/NDF:23.7/6

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 235.389+/-207.931 χ^2/NDF:2.8/5

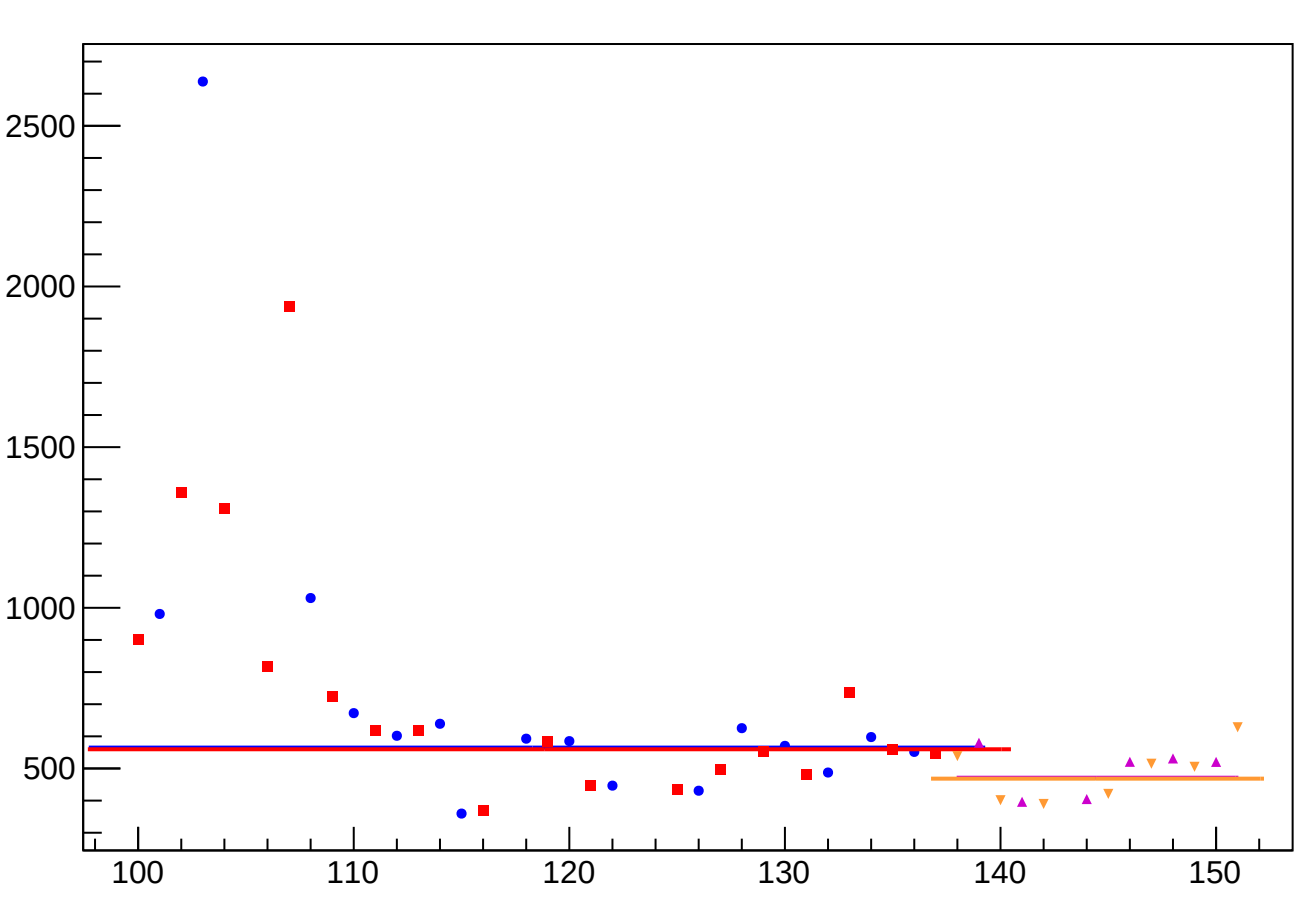
Left: -76.012+/-146.088 χ^2/NDF: 30.9/12

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 37.126+/-152.036 χ^2/NDF:30.0/21

Out: -7.405+/-151.206 χ^2/NDF:46.8/24

All: 14.738+/-107.211 χ^2/NDF: 76.9/46



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 468.327+/-0.145 χ^2/NDF:259554.8/6

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 471.219+/-0.147 χ^2/NDF:223826.9/5

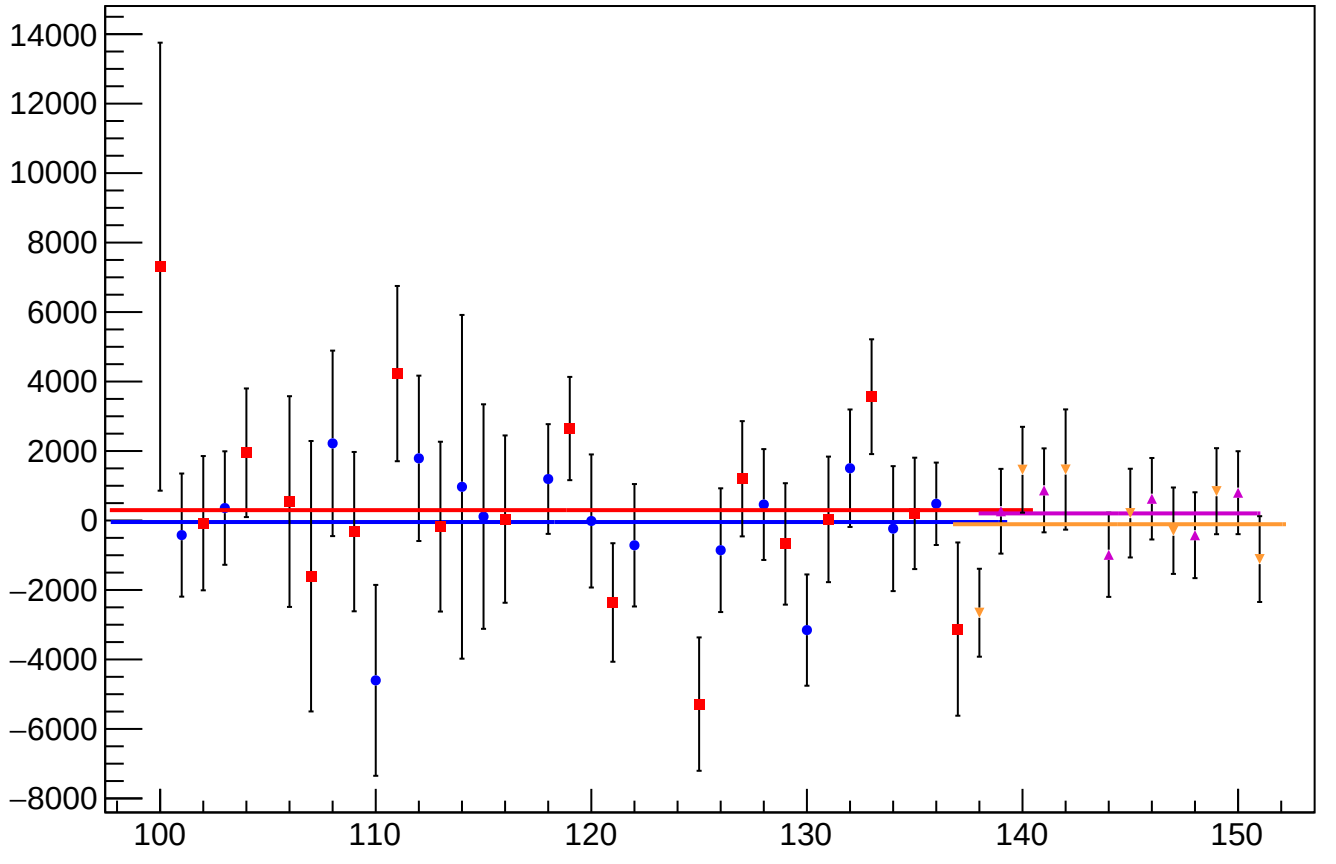
Left: 469.754+/-0.103 χ^2/NDF: 483577.6/12

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 514.840+/-0.108 χ^2/NDF:1697429.8/21

Out: 510.157+/-0.107 χ^2/NDF:1770408.8/24

All: 512.486+/-0.076 χ^2/NDF: 3468792.5/46



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -107.145+/-489.080 χ^2/NDF:7.8/6

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 204.409+/-492.658 χ^2/NDF:1.9/5

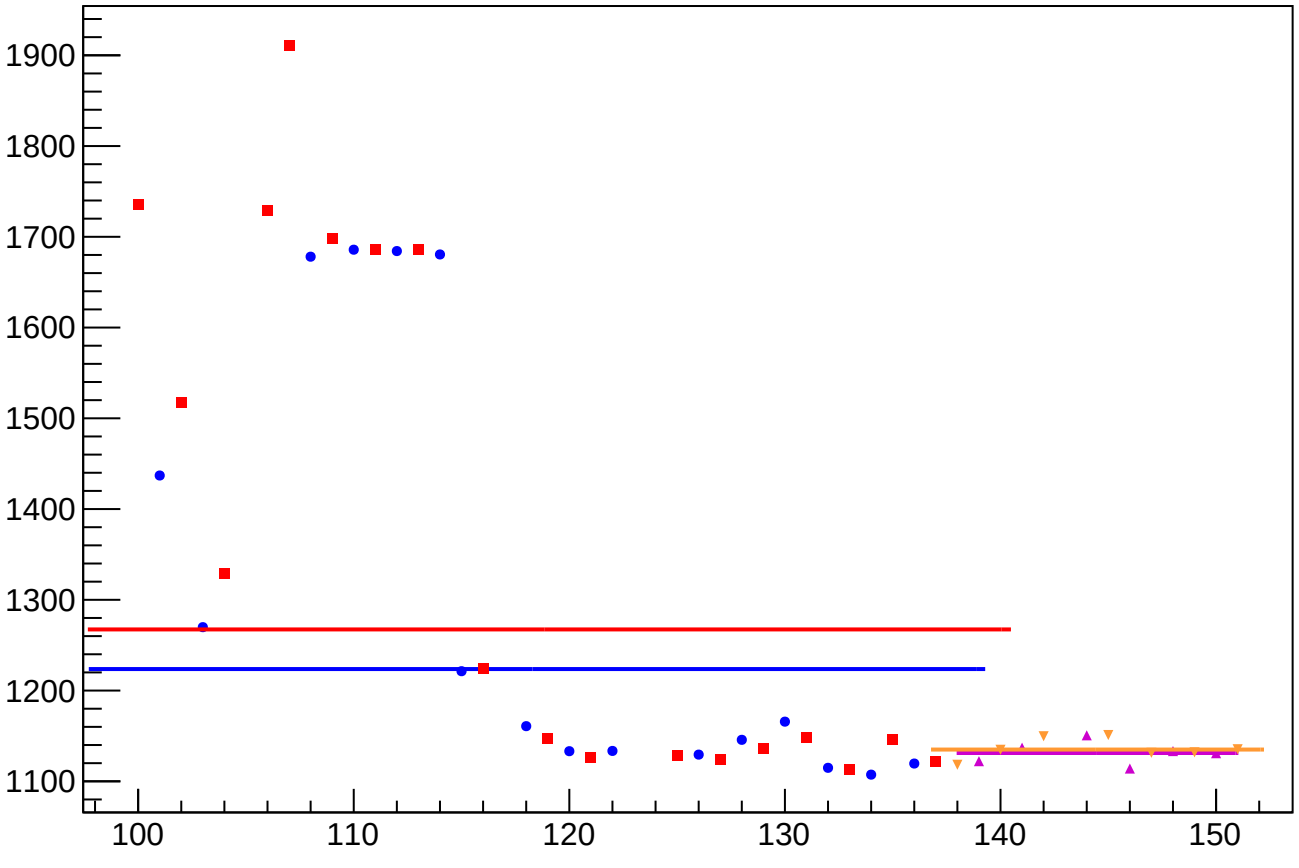
Left: 47.496+/-347.090 χ^2/NDF: 9.9/12

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 71.531+/-335.918 χ^2/NDF:12.1/21

Out: 101.316+/-340.861 χ^2/NDF:32.8/24

All: 86.206+/-239.258 χ^2/NDF: 44.9/46



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.999+/-0.346 χ^2/NDF:837.3/6

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.209+/-0.348 χ^2/NDF:1105.1/5

Left: 1133.118+/-0.245 χ^2/NDF: 2001.9/12

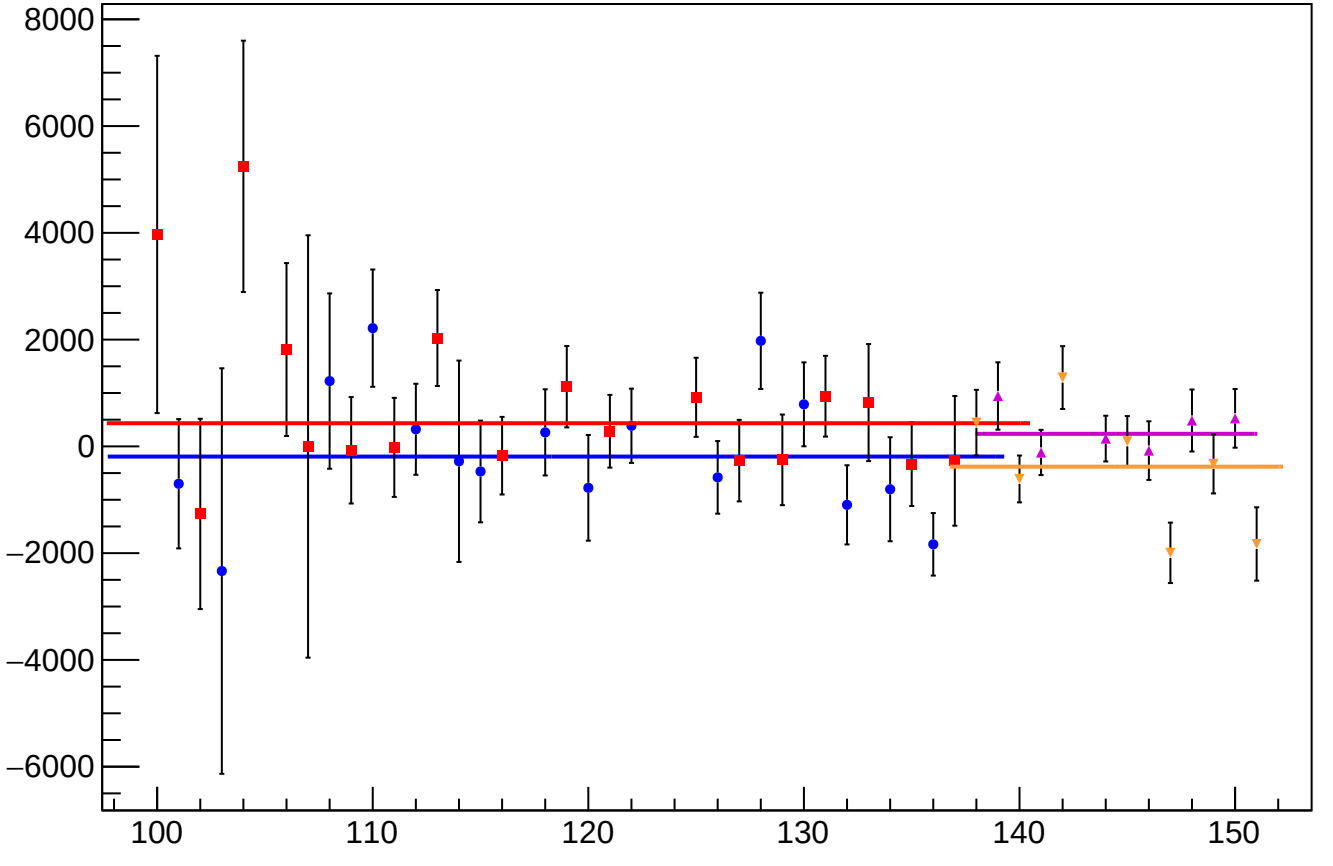
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1180.702+/-0.238 χ^2/NDF:333794.2/21

Out: 1203.070+/-0.241 χ^2/NDF:516156.2/24

All: 1191.723+/-0.169 χ^2/NDF: 854319.3/46

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: -379.561+/-205.293 χ^2/NDF:23.7/6

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 235.389+/-207.931 χ^2/NDF:2.8/5

Left: -76.012+/-146.088 χ^2/NDF: 30.9/12

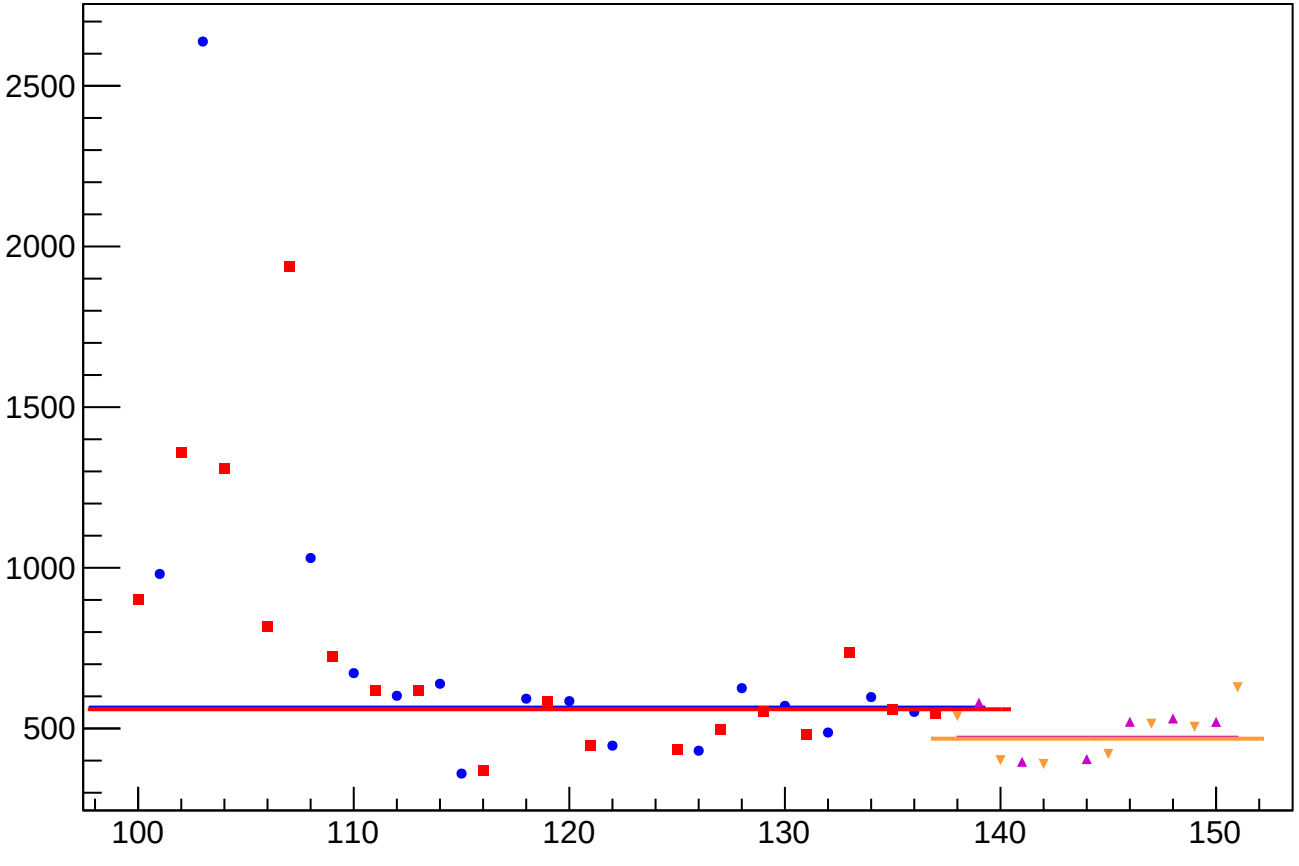
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 37.126+/-152.036 χ^2/NDF:30.0/21

Out: -7.405+/-151.206 χ^2/NDF:46.8/24

All: 14.738+/-107.211 χ^2/NDF: 76.9/46

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 468.327+/-0.145 χ^2/NDF:259554.8/6

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 471.219+/-0.147 χ^2/NDF:223826.9/5

Left: 469.754+/-0.103 χ^2/NDF: 483577.6/12

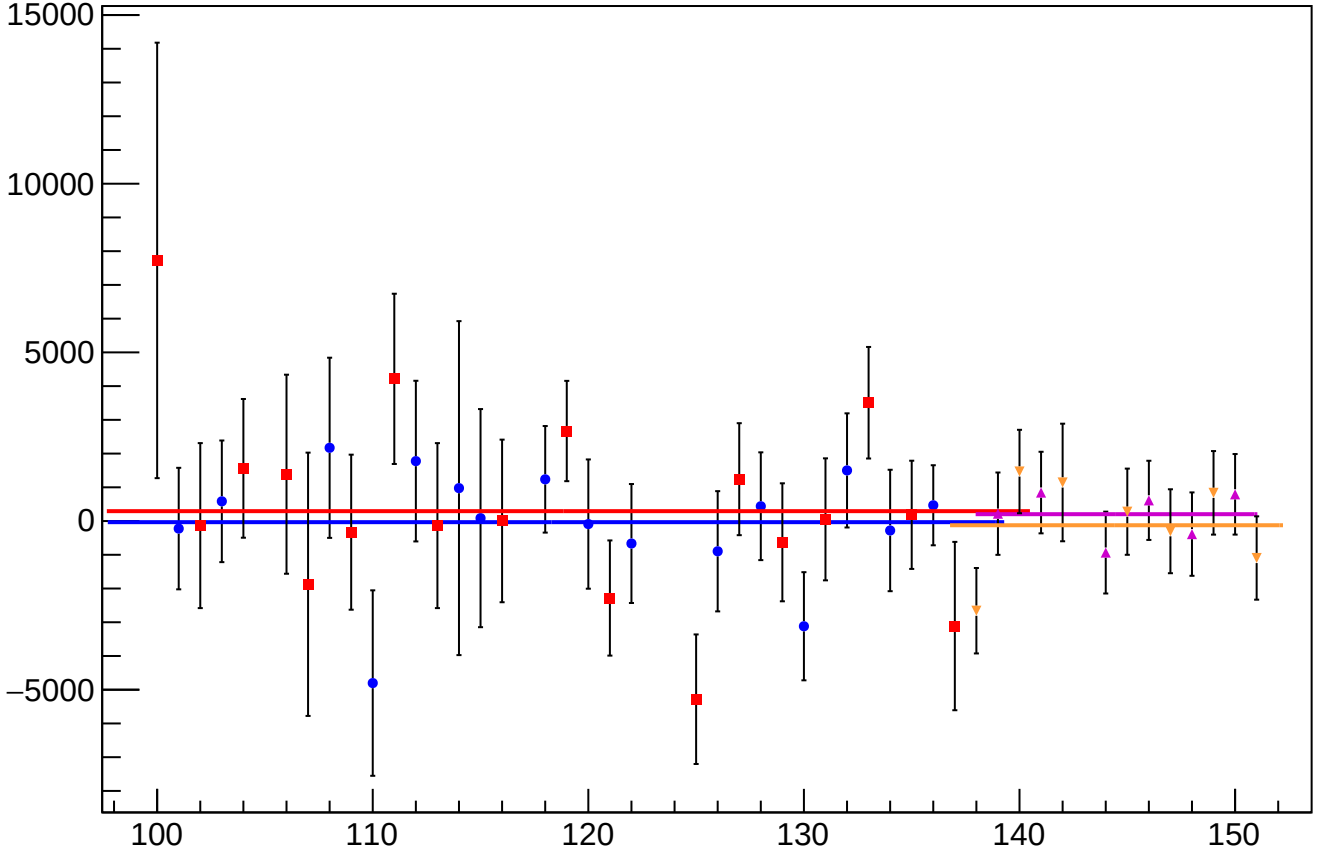
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 514.840+/-0.108 χ^2/NDF:1697429.8/21

Out: 510.157+/-0.107 χ^2/NDF:1770408.8/24

All: 512.486+/-0.076 χ^2/NDF: 3468792.5/46

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -124.333+/-489.532 χ^2/NDF:7.5/6

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 203.531+/-492.849 χ^2/NDF:1.8/5

Left: 38.492+/-347.318 χ^2/NDF: 9.5/12

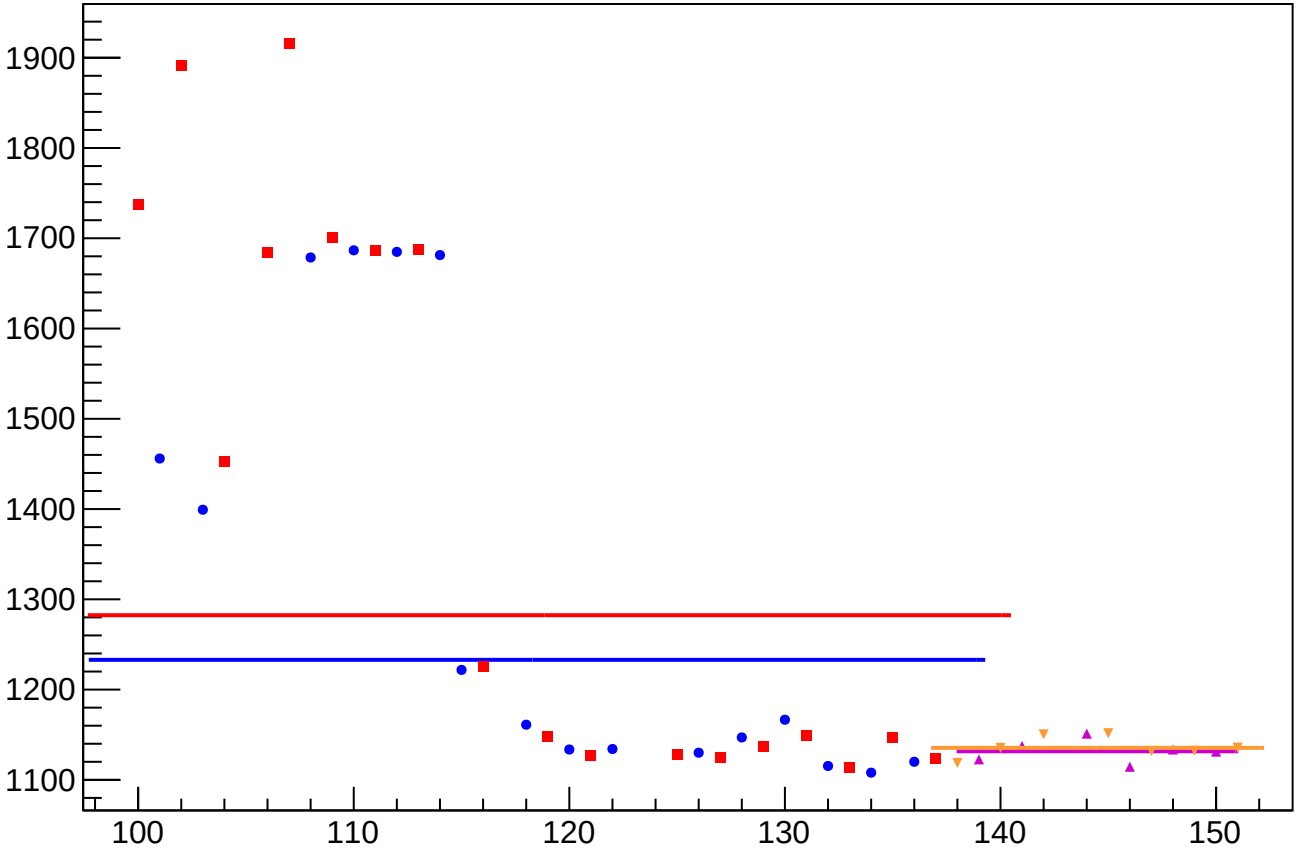
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 77.908+/-337.533 χ^2/NDF:12.1/21

Out: 86.969+/-344.120 χ^2/NDF:32.1/24

All: 82.351+/-240.967 χ^2/NDF: 44.3/46

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1135.463+/-0.346 χ^2/NDF:846.4/6

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1131.648+/-0.348 χ^2/NDF:1106.8/5

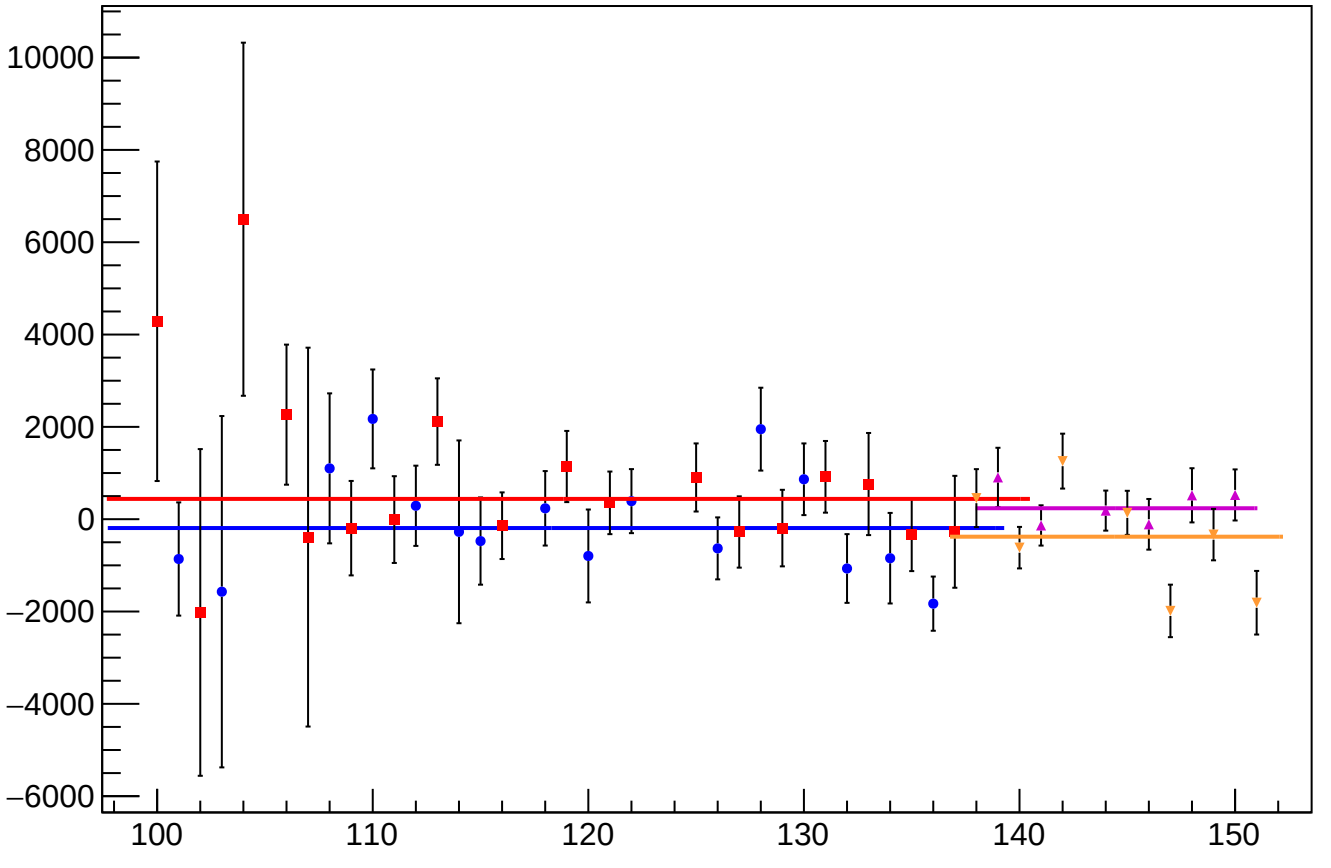
Left: 1133.568+/-0.246 χ^2/NDF: 2013.6/12

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1185.444+/-0.239 χ^2/NDF:361455.5/21

Out: 1209.795+/-0.243 χ^2/NDF:635407.3/24

All: 1197.384+/-0.170 χ^2/NDF: 1001967.0/46



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -379.042+/-207.998 χ^2/NDF:23.1/6

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 237.125+/-210.861 χ^2/NDF:2.7/5

Left: -75.171+/-148.079 χ^2/NDF: 30.2/12

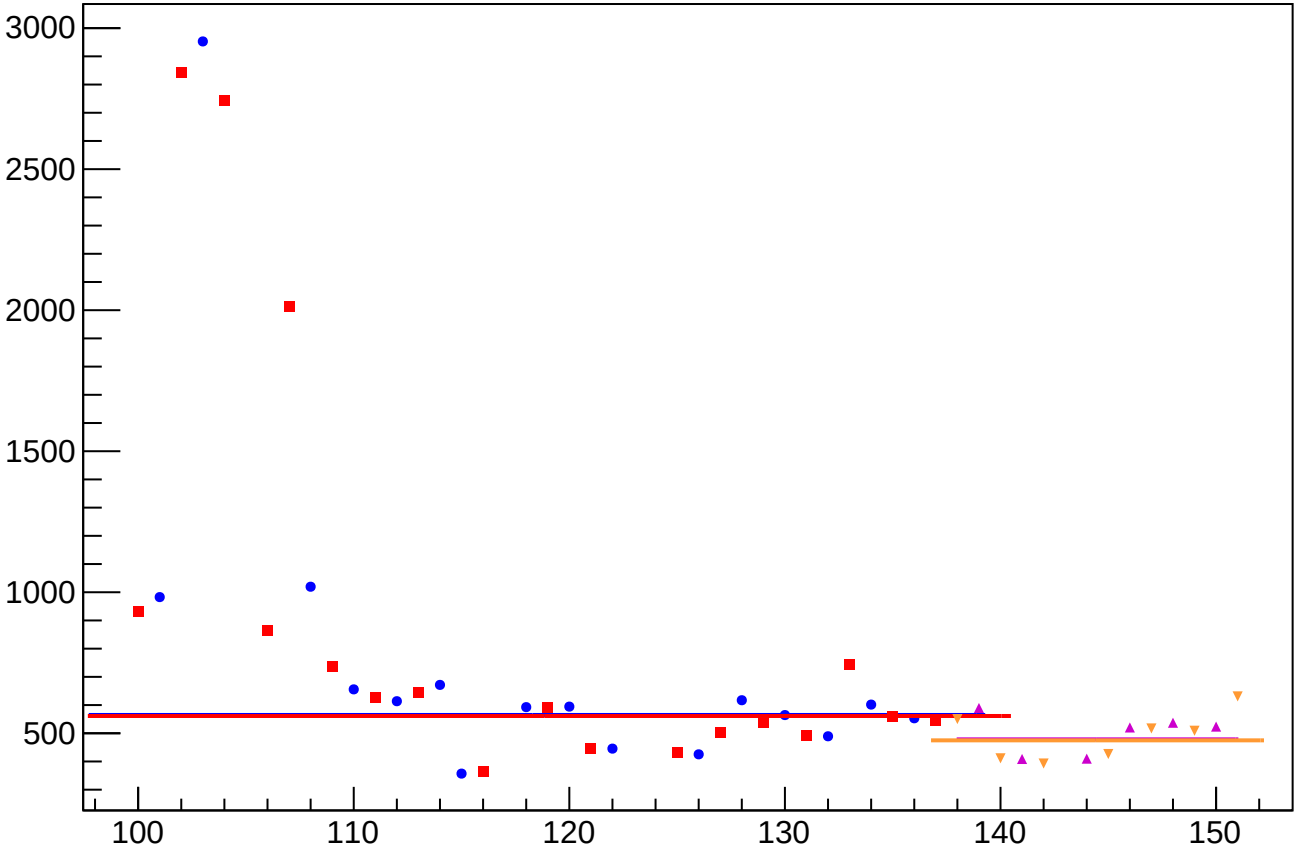
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 34.555+/-153.136 χ^2/NDF:30.0/21

Out: -4.693+/-153.232 χ^2/NDF:44.8/24

All: 14.943+/-108.318 χ^2/NDF: 74.8/46

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: 474.917+/-0.147 χ^2/NDF:248396.3/6

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 478.466+/-0.149 χ^2/NDF:206036.0/5

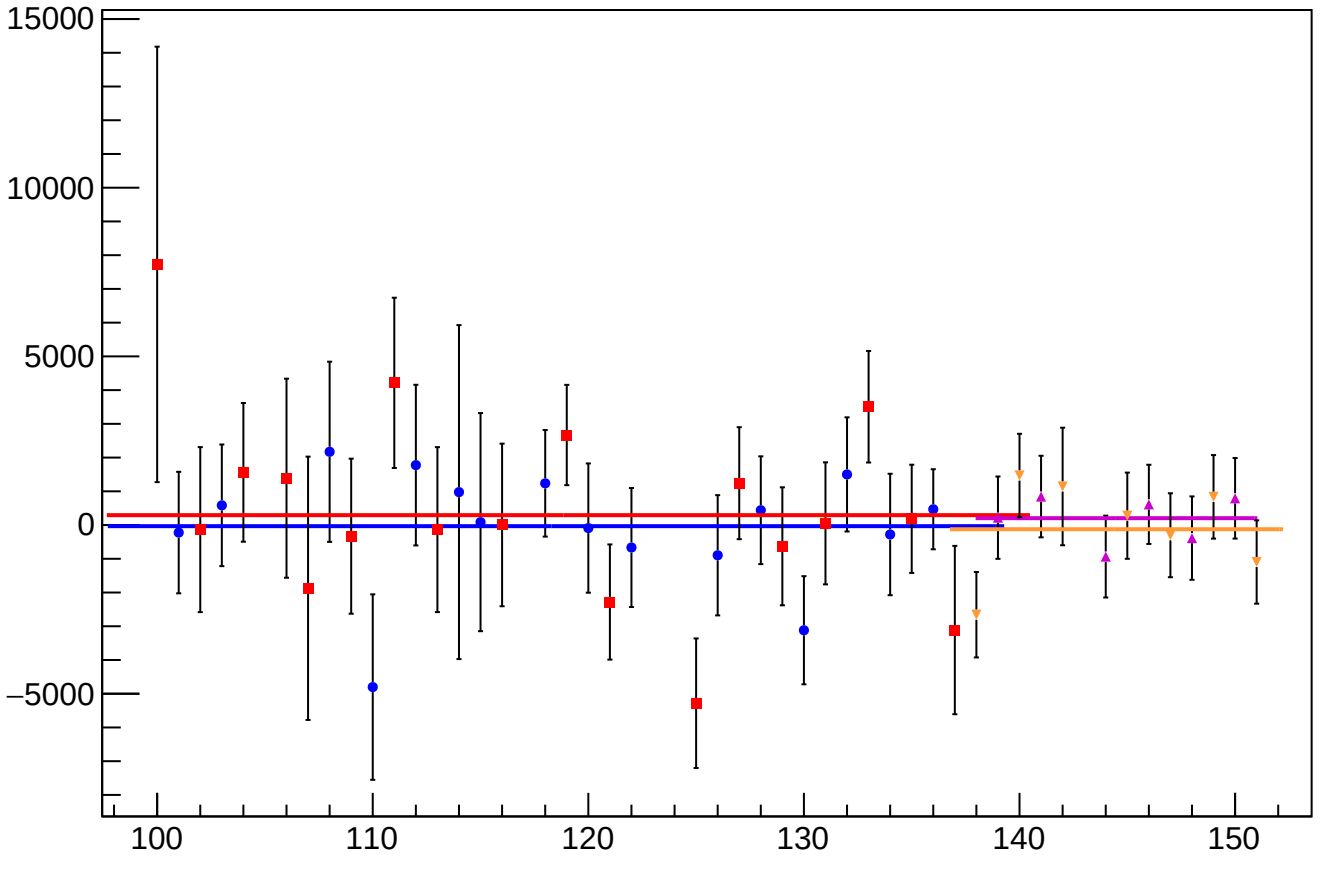
Left: 476.667+/-0.105 χ^2/NDF: 454719.2/12

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 519.298+/-0.108 χ^2/NDF:1845114.2/21

Out: 514.406+/-0.108 χ^2/NDF:2679409.1/24

All: 516.854+/-0.077 χ^2/NDF: 4525543.3/46



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -124.335+/-489.532 χ^2/NDF:7.5/6

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 203.532+/-492.849 χ^2/NDF:1.8/5

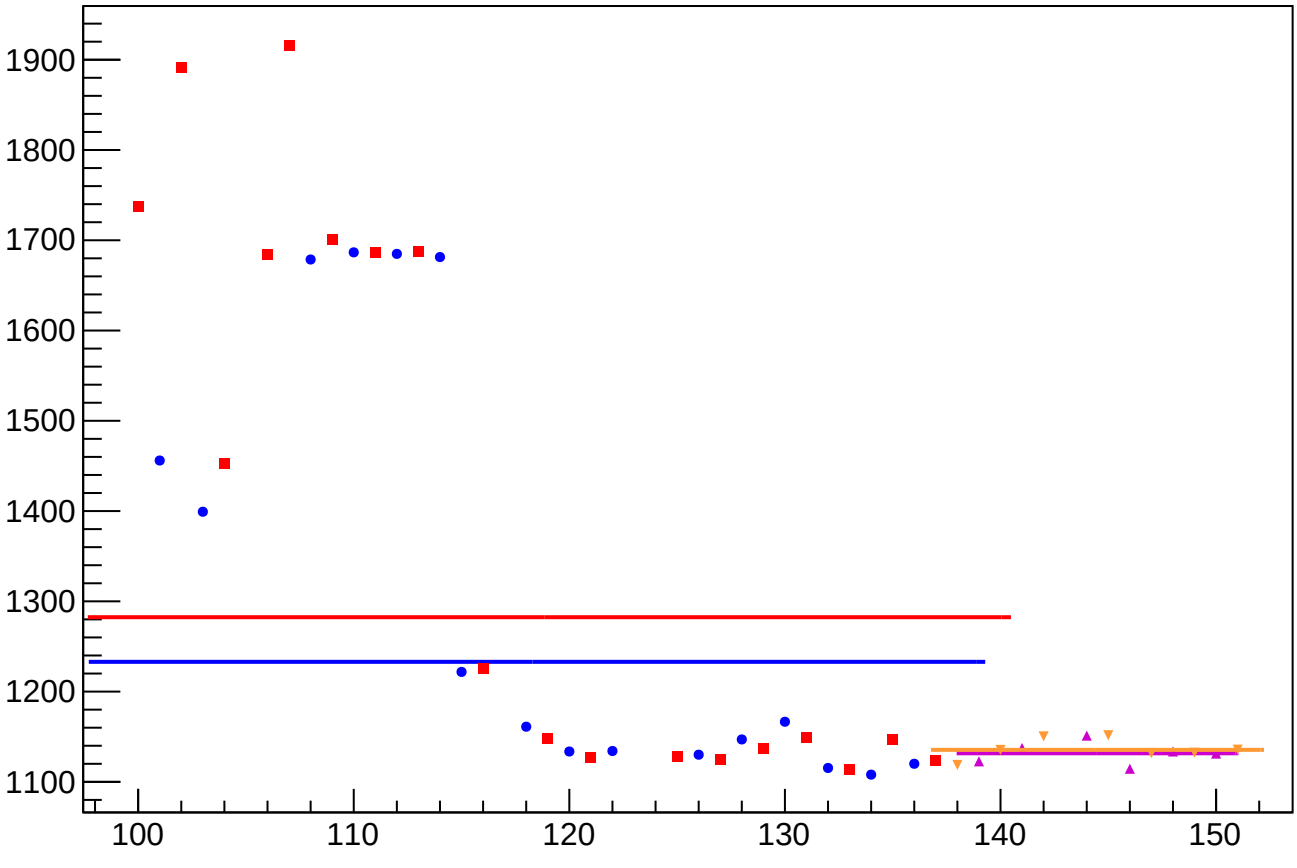
Left: 38.492+/-347.318 χ^2/NDF: 9.5/12

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 77.909+/-337.533 χ^2/NDF:12.1/21

Out: 86.968+/-344.120 χ^2/NDF:32.1/24

All: 82.351+/-240.967 χ^2/NDF: 44.3/46



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1135.463+/-0.346 χ^2/NDF:846.4/6

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.648+/-0.348 χ^2/NDF:1106.8/5

Left: 1133.568+/-0.246 χ^2/NDF: 2013.6/12

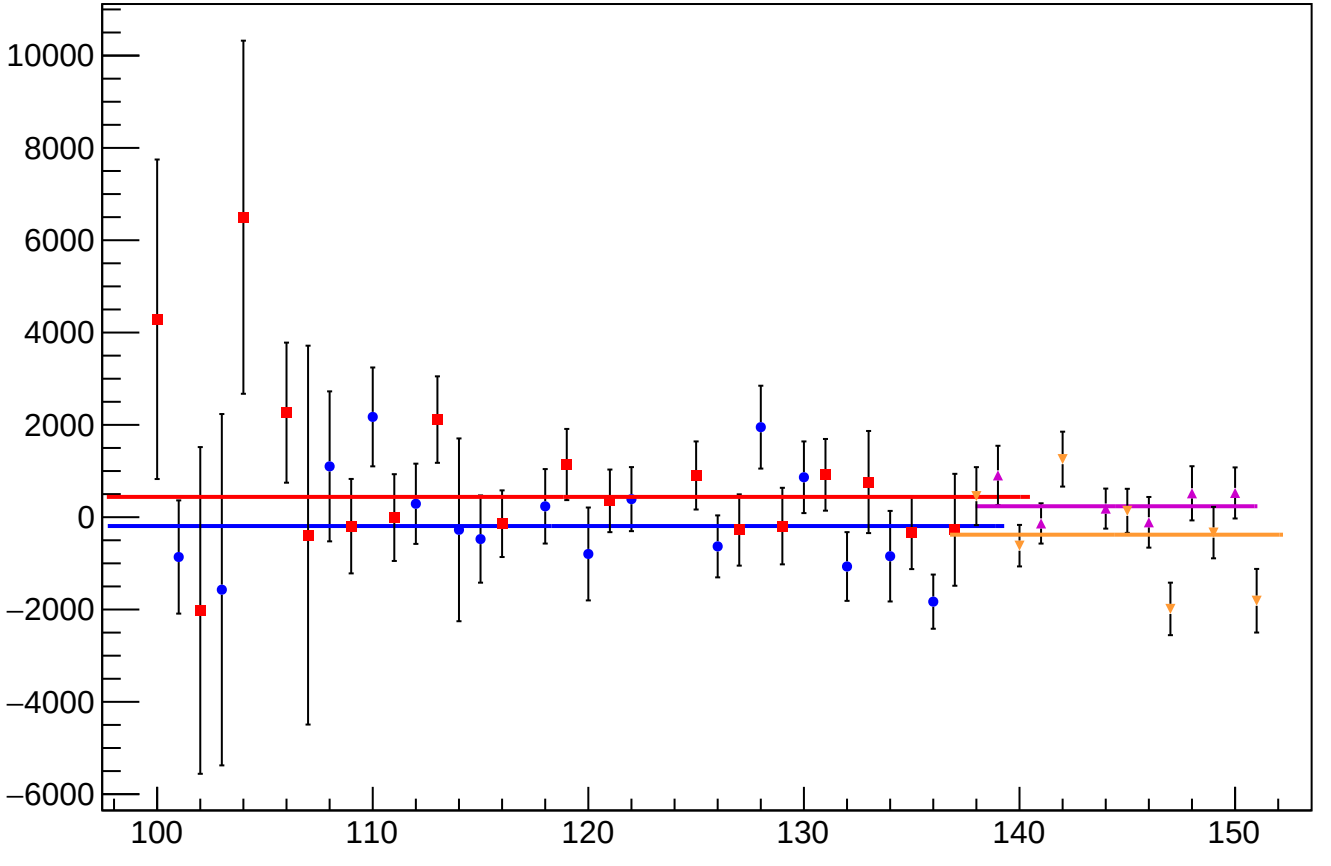
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1185.444+/-0.239 χ^2/NDF:361455.0/21

Out: 1209.795+/-0.243 χ^2/NDF:635406.7/24

All: 1197.384+/-0.170 χ^2/NDF: 1001965.9/46

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: -379.040+/-207.998 χ^2/NDF:23.1/6

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 237.124+/-210.861 χ^2/NDF:2.7/5

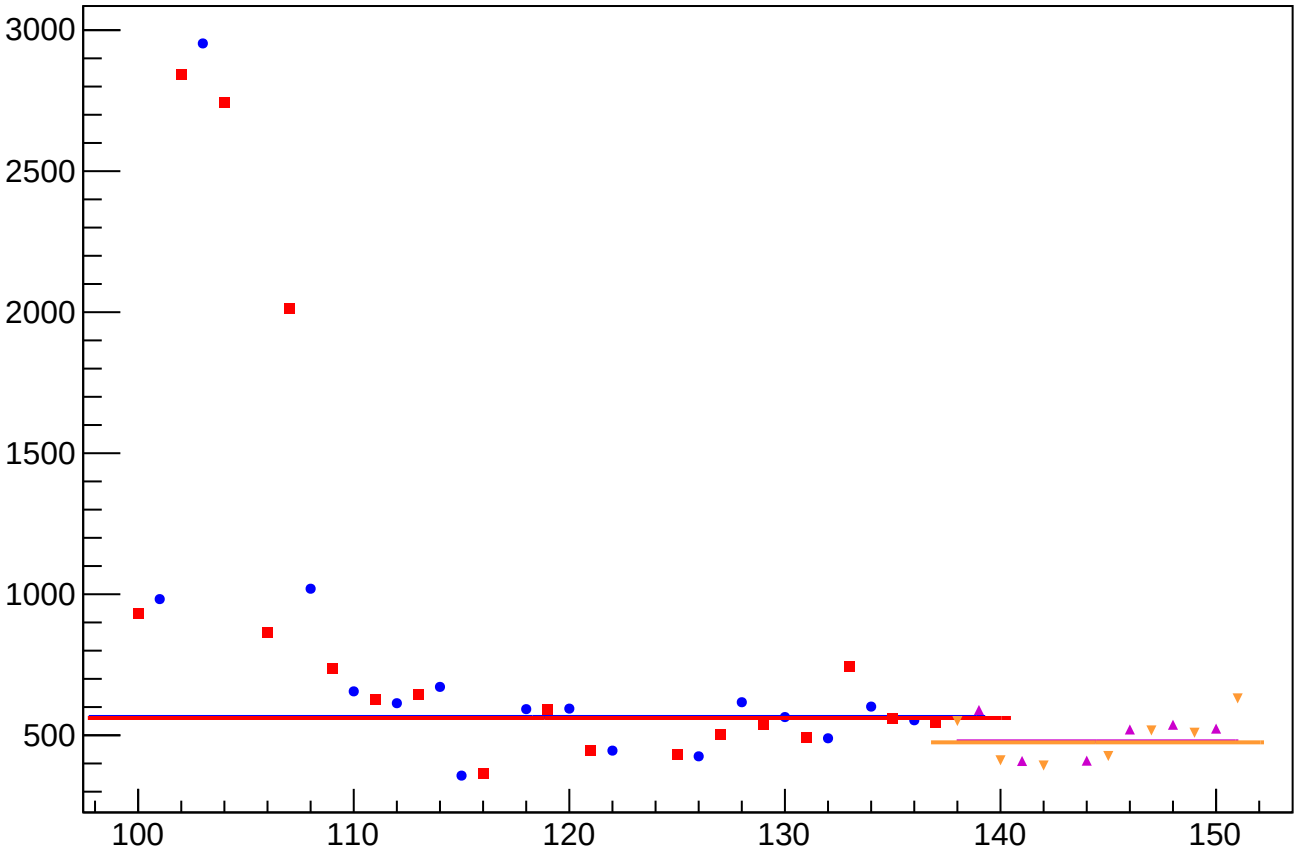
Left: -75.170+/-148.079 χ^2/NDF: 30.2/12

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

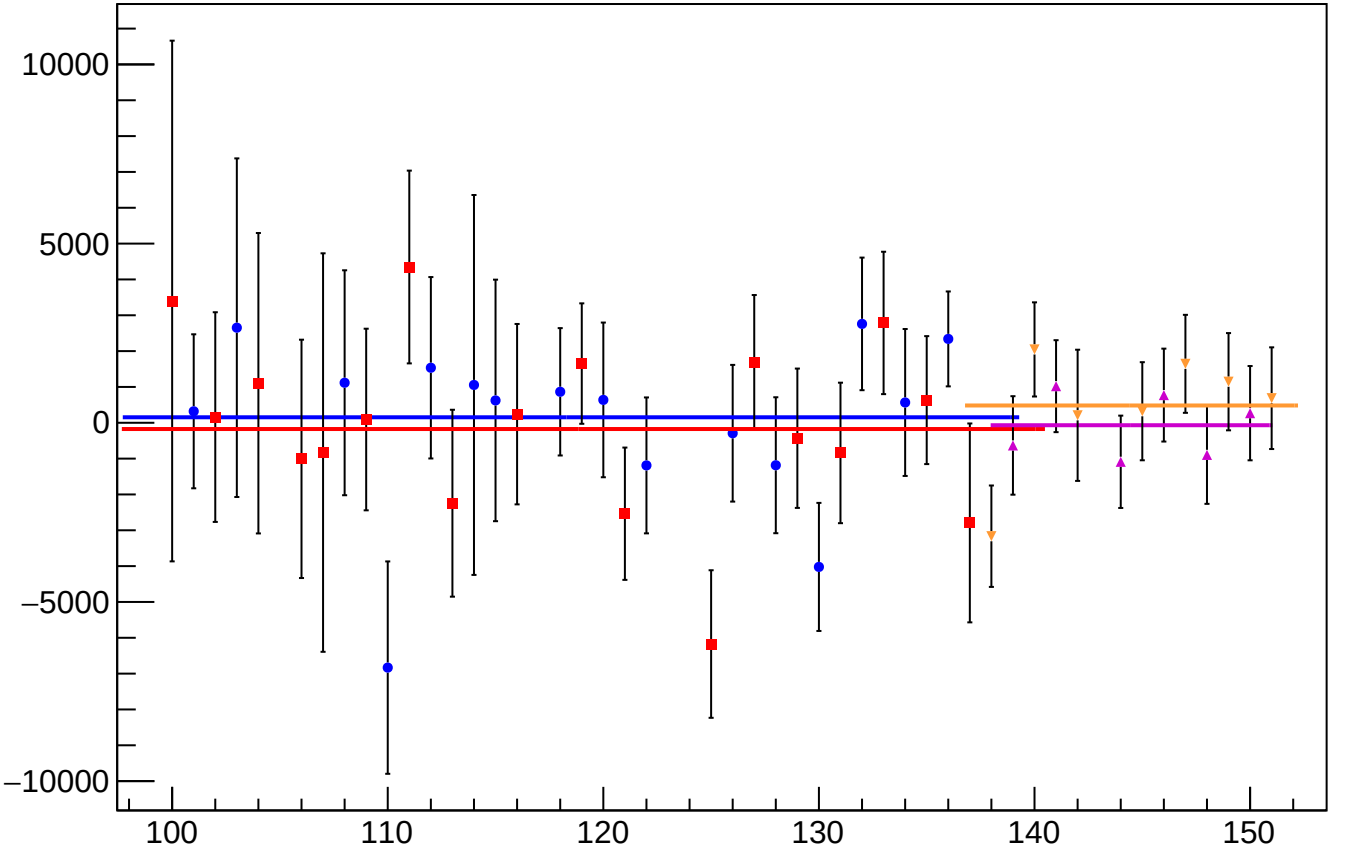
In: 34.555+/-153.136 χ^2/NDF:30.0/21

Out: -4.692+/-153.232 χ^2/NDF:44.8/24

All: 14.944+/-108.317 χ^2/NDF: 74.8/46


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 564.871+/-0.158 χ²/NDF: 1480372.9/15
Left Out: 474.916+/-0.147 χ²/NDF:248406.5/6
Right Out: 561.273+/-0.160 χ²/NDF: 2273372.4/17
Left In: 478.465+/-0.149 χ²/NDF:206044.0/5
Left: 476.666+/-0.105 χ²/NDF: 454737.5/12
Right: 563.103+/-0.112 χ²/NDF: 3754001.7/33
In: 519.298+/-0.108 χ²/NDF:1845121.9/21
Out: 514.405+/-0.108 χ²/NDF:2679423.6/24
All: 516.853+/-0.077 χ²/NDF: 4525565.7/46

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 482.744+/-535.596 χ^2/NDF:9.1/6

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -68.234+/-538.563 χ^2/NDF:2.4/5

Left: 208.777+/-379.768 χ^2/NDF: 12.0/12

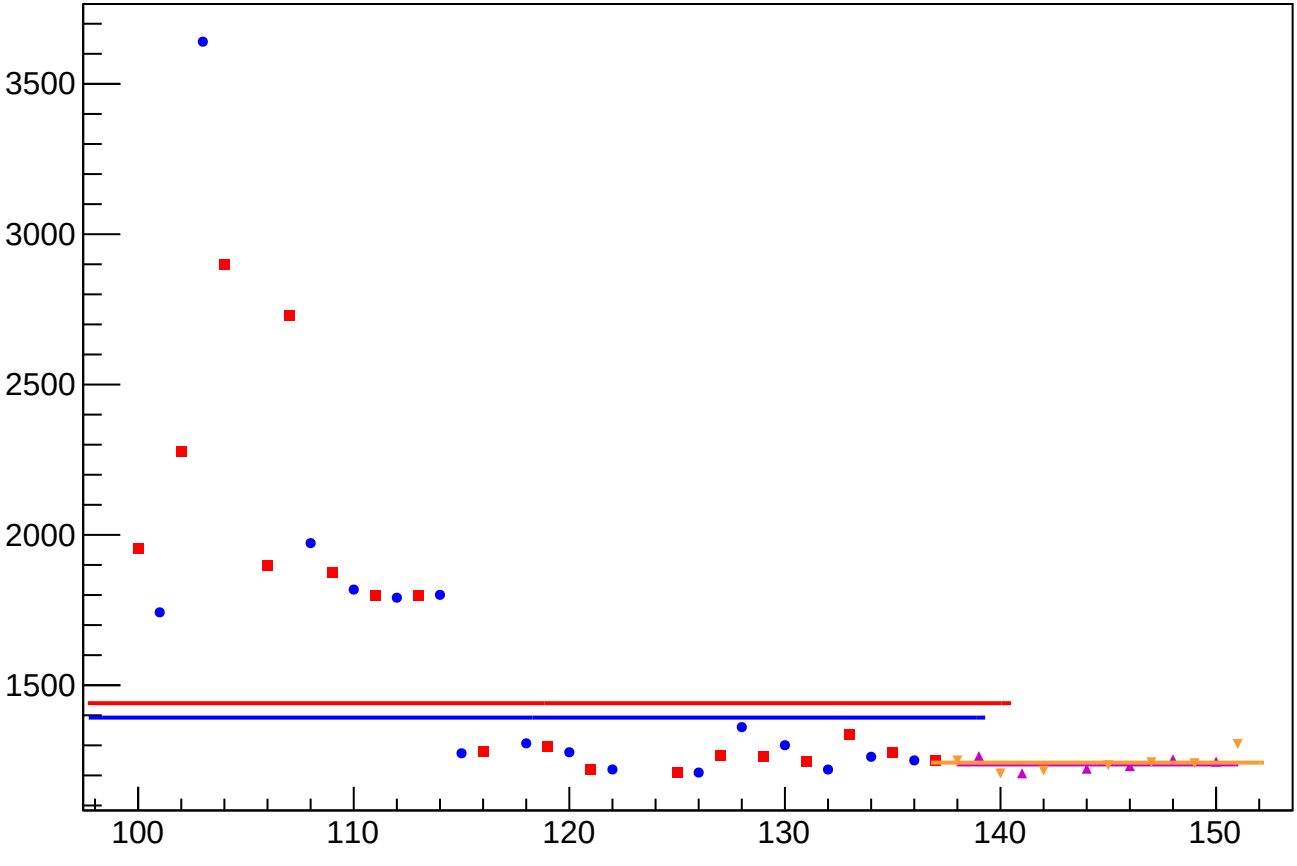
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: 43.909+/-378.515 χ^2/NDF:20.2/21

Out: 163.021+/-383.767 χ^2/NDF:29.5/24

All: 102.644+/-269.488 χ^2/NDF: 49.8/46

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1242.560+/-0.379 χ^2/NDF:5885.4/6

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1236.486+/-0.381 χ^2/NDF:2547.6/5

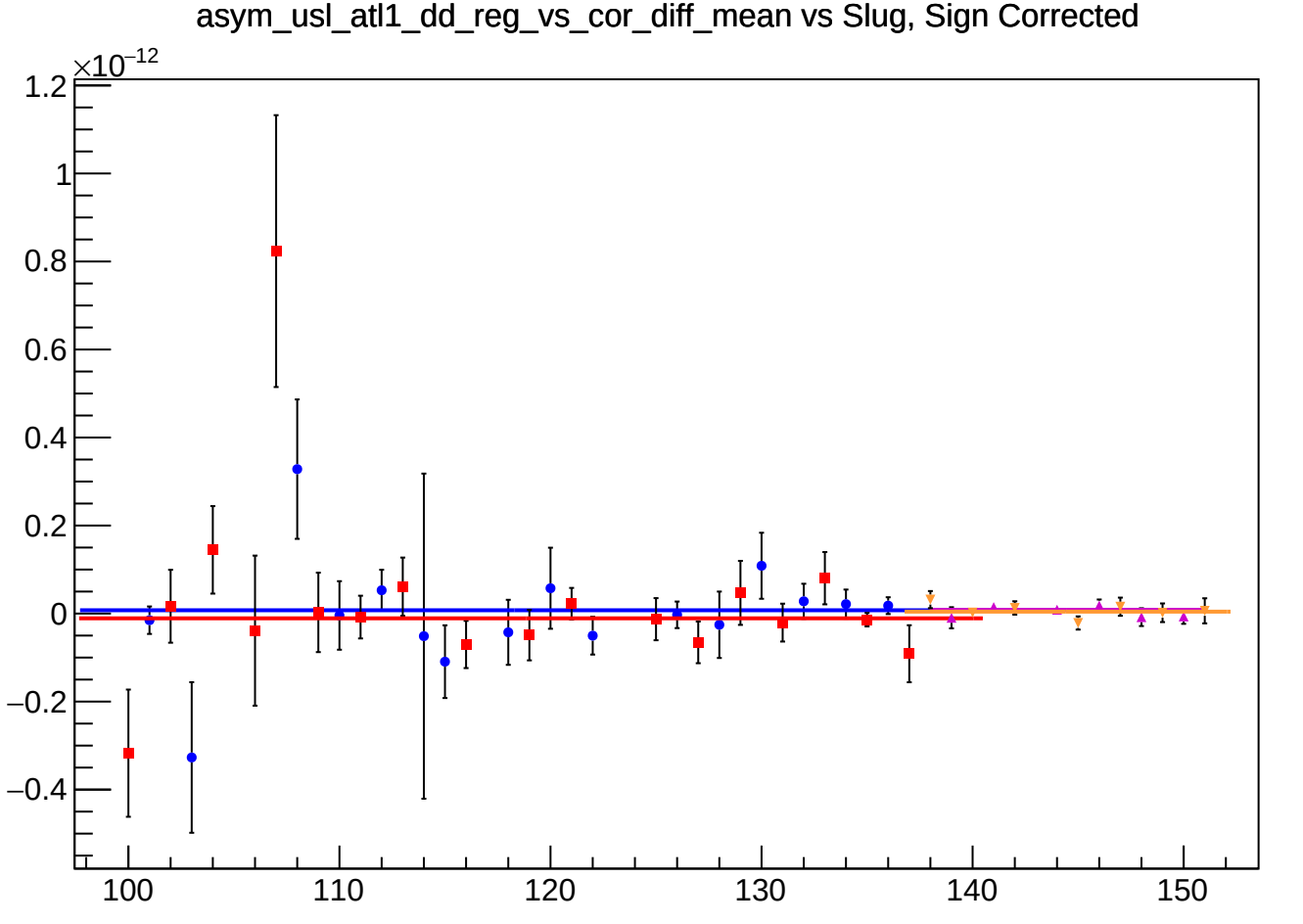
Left: 1239.540+/-0.269 χ^2/NDF: 8560.9/12

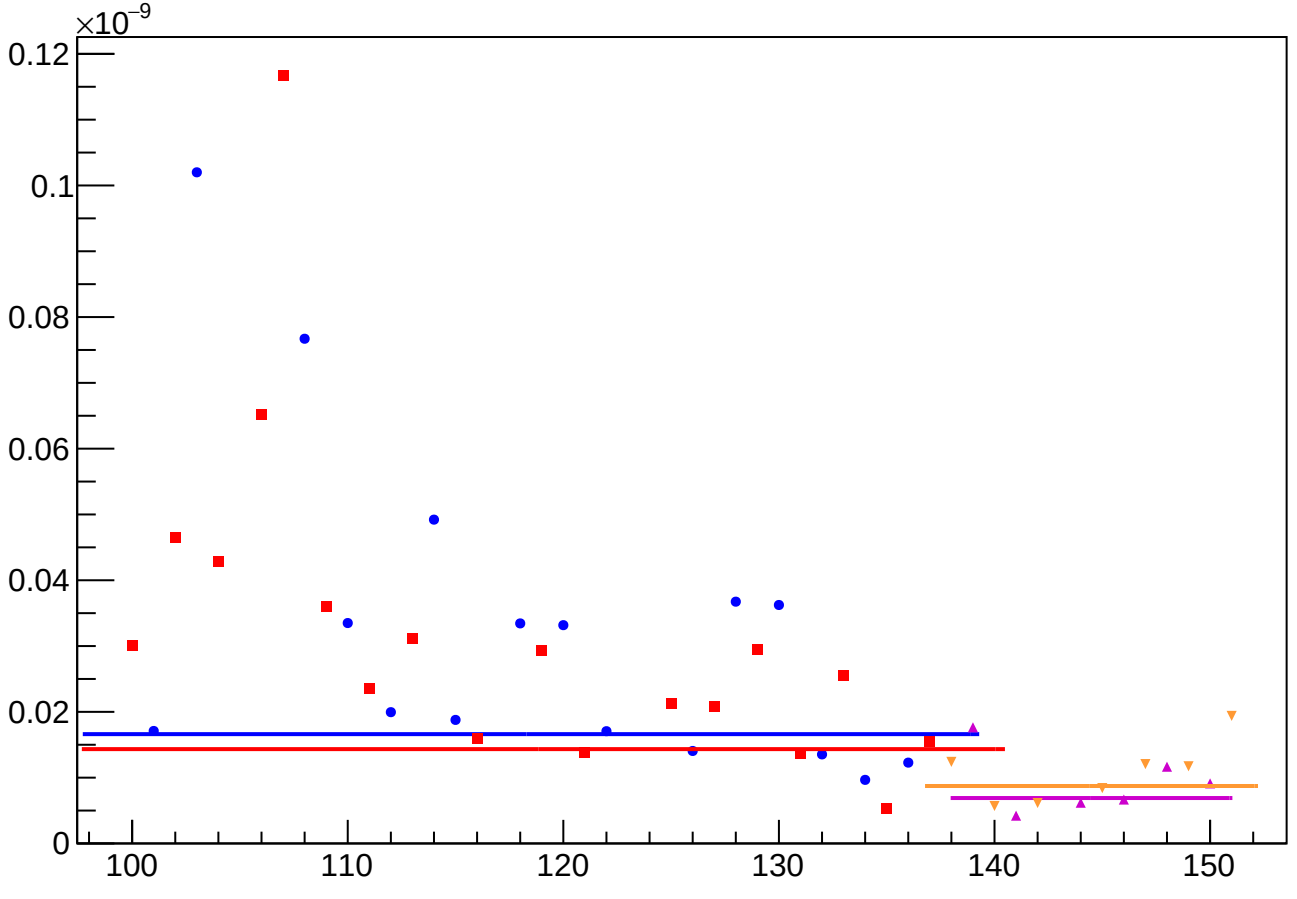
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1315.334+/-0.268 χ^2/NDF:866500.7/21

Out: 1338.741+/-0.271 χ^2/NDF:993318.5/24

All: 1326.876+/-0.191 χ^2/NDF: 1863590.8/46


asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.6/6
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:3.0/5
Left: 0.000+/-0.000 χ²/NDF: 8.8/12
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:19.9/21
Out: 0.000+/-0.000 χ²/NDF:31.1/24
All: 0.000+/-0.000 χ²/NDF: 52.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:651343.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:719814.0/5

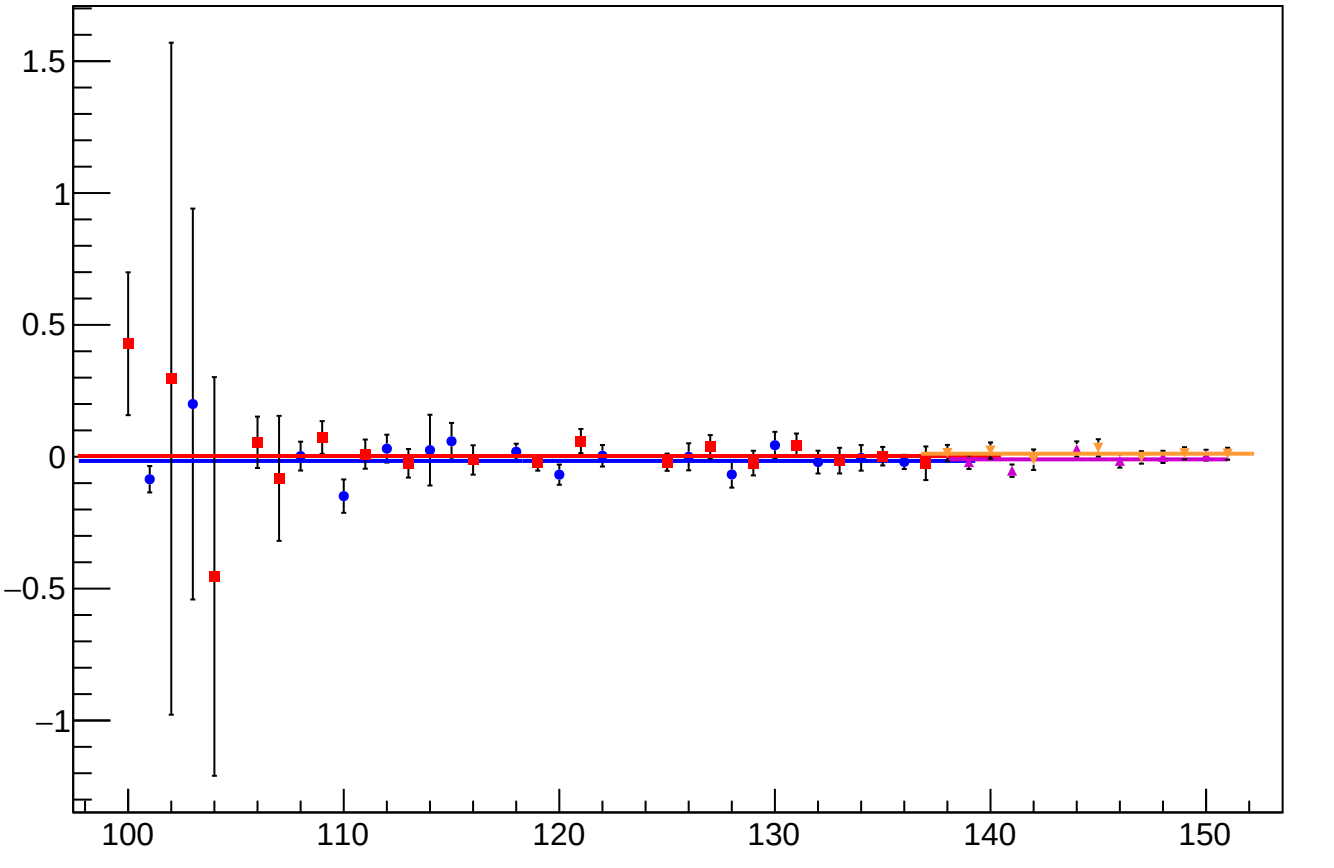
Left: 0.000+/-0.000 χ^2/NDF: 1467032.4/12

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3564135.3/21

Out: 0.000+/-0.000 χ^2/NDF:3323365.1/24

All: 0.000+/-0.000 χ^2/NDF: 6951556.3/46



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.012+/-0.010 χ^2/NDF:1.3/6

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.010+/-0.010 χ^2/NDF:6.1/5

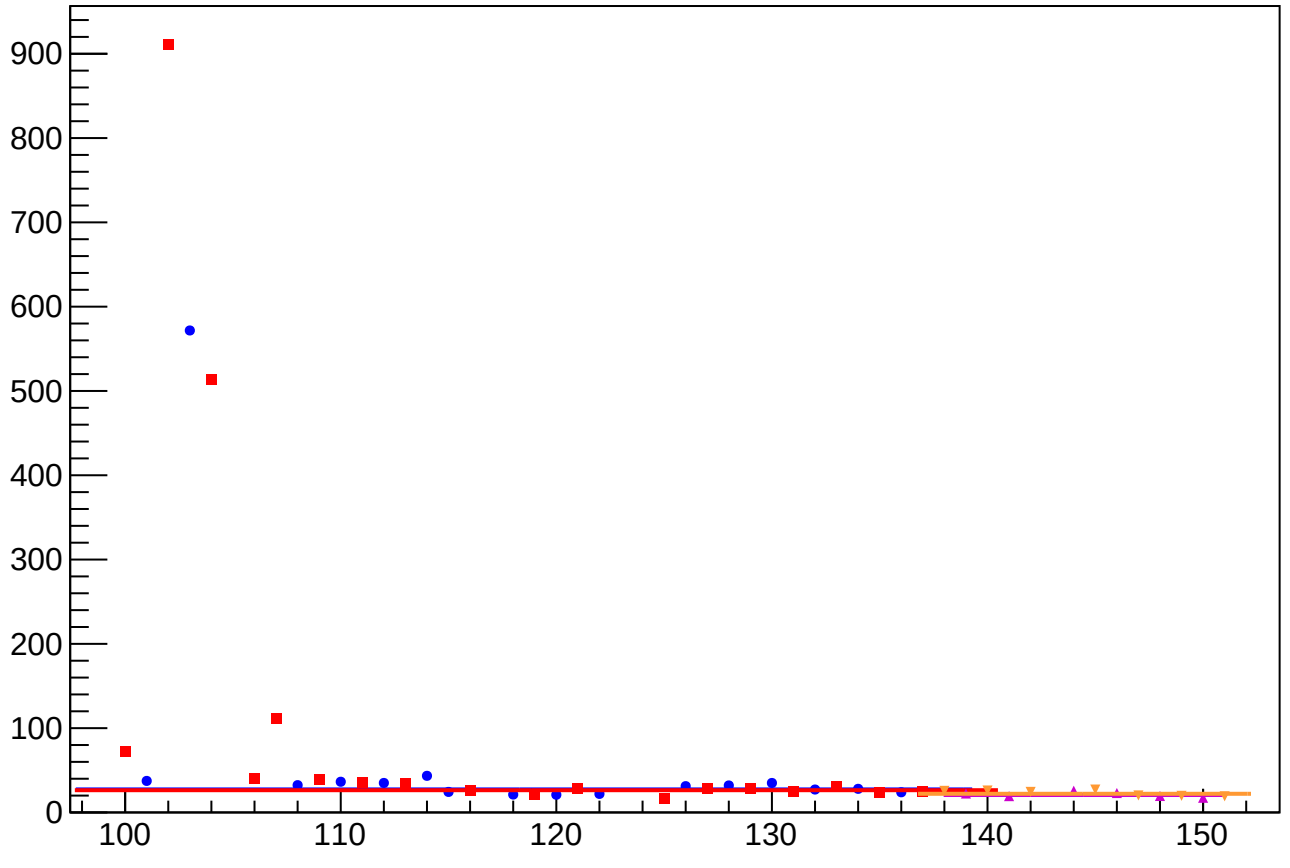
Left: 0.000+/-0.007 χ^2/NDF: 9.7/12

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.012+/-0.008 χ^2/NDF:20.9/21

Out: 0.008+/-0.008 χ^2/NDF:11.5/24

All: -0.003+/-0.005 χ^2/NDF: 35.8/46



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.141+/-0.007 χ^2/NDF:182154.6/6

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.701+/-0.007 χ^2/NDF:149488.9/5

Left: 21.390+/-0.005 χ^2/NDF: 351806.0/12

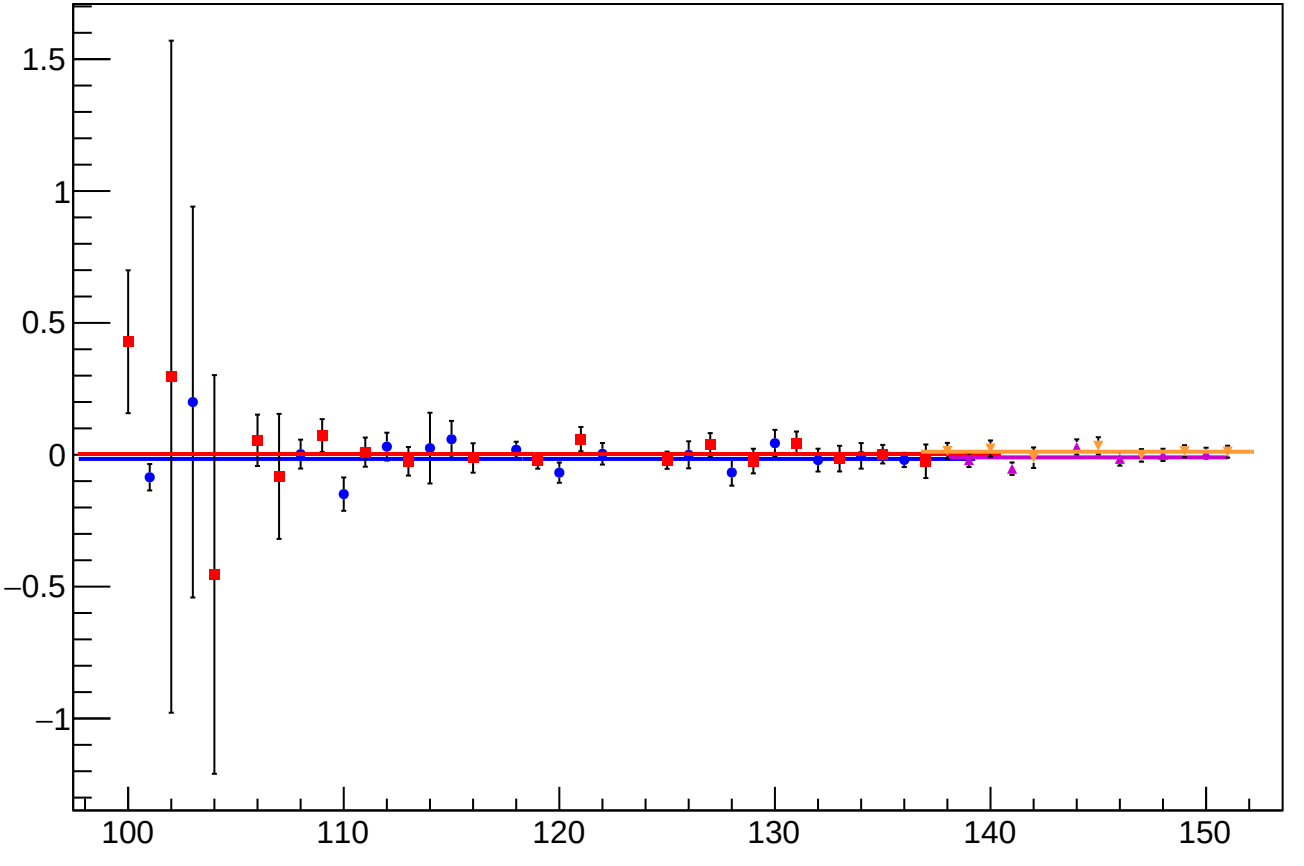
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.500+/-0.005 χ^2/NDF:2093873.0/21

Out: 23.955+/-0.006 χ^2/NDF:2940938.4/24

All: 23.718+/-0.004 χ^2/NDF: 5038309.9/46

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: 0.012+/-0.010 χ^2/NDF:1.3/6

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.010+/-0.010 χ^2/NDF:6.1/5

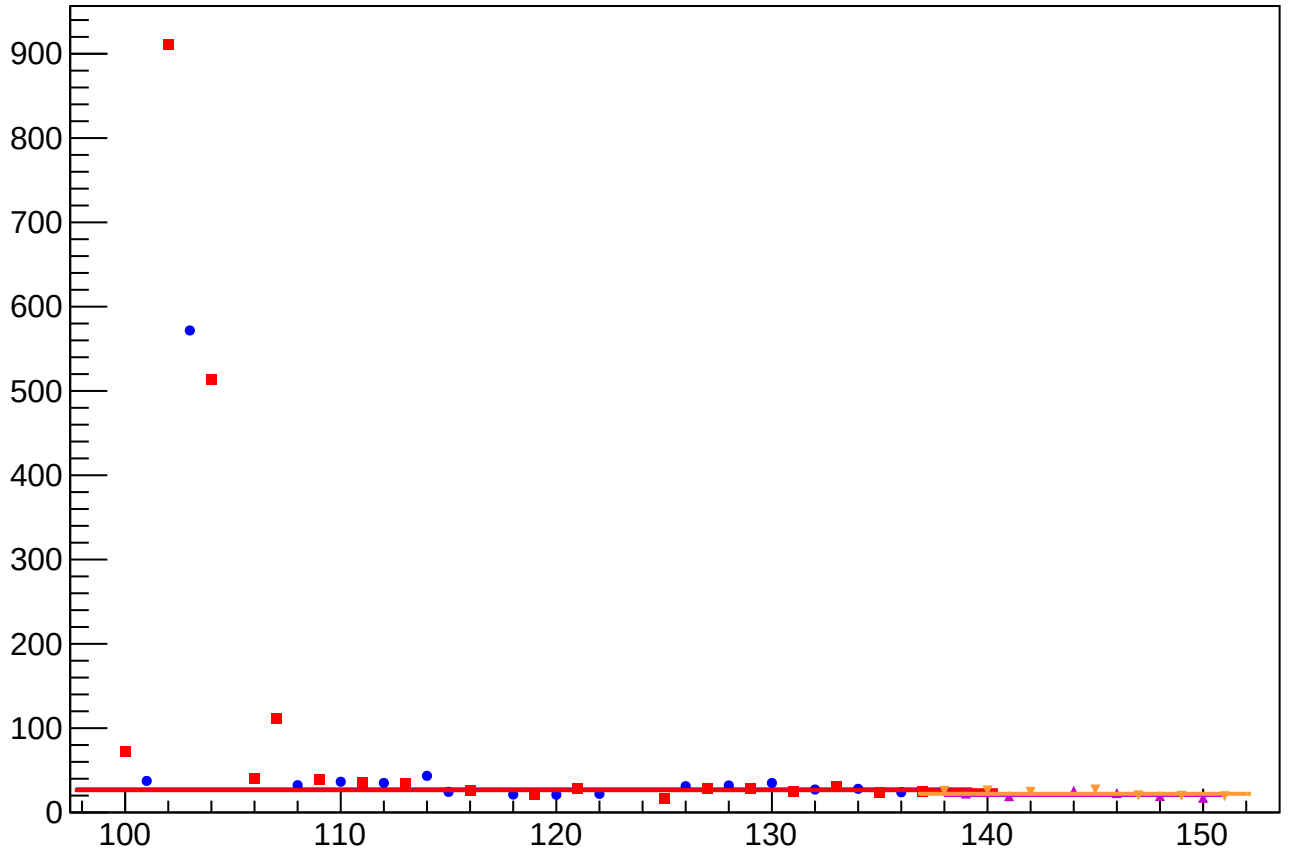
Left: 0.000+/-0.007 χ^2/NDF: 9.7/12

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.012+/-0.008 χ^2/NDF:20.9/21

Out: 0.008+/-0.008 χ^2/NDF:11.5/24

All: -0.003+/-0.005 χ^2/NDF: 35.8/46



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.141+/-0.007 χ^2/NDF:182154.6/6

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.701+/-0.007 χ^2/NDF:149488.9/5

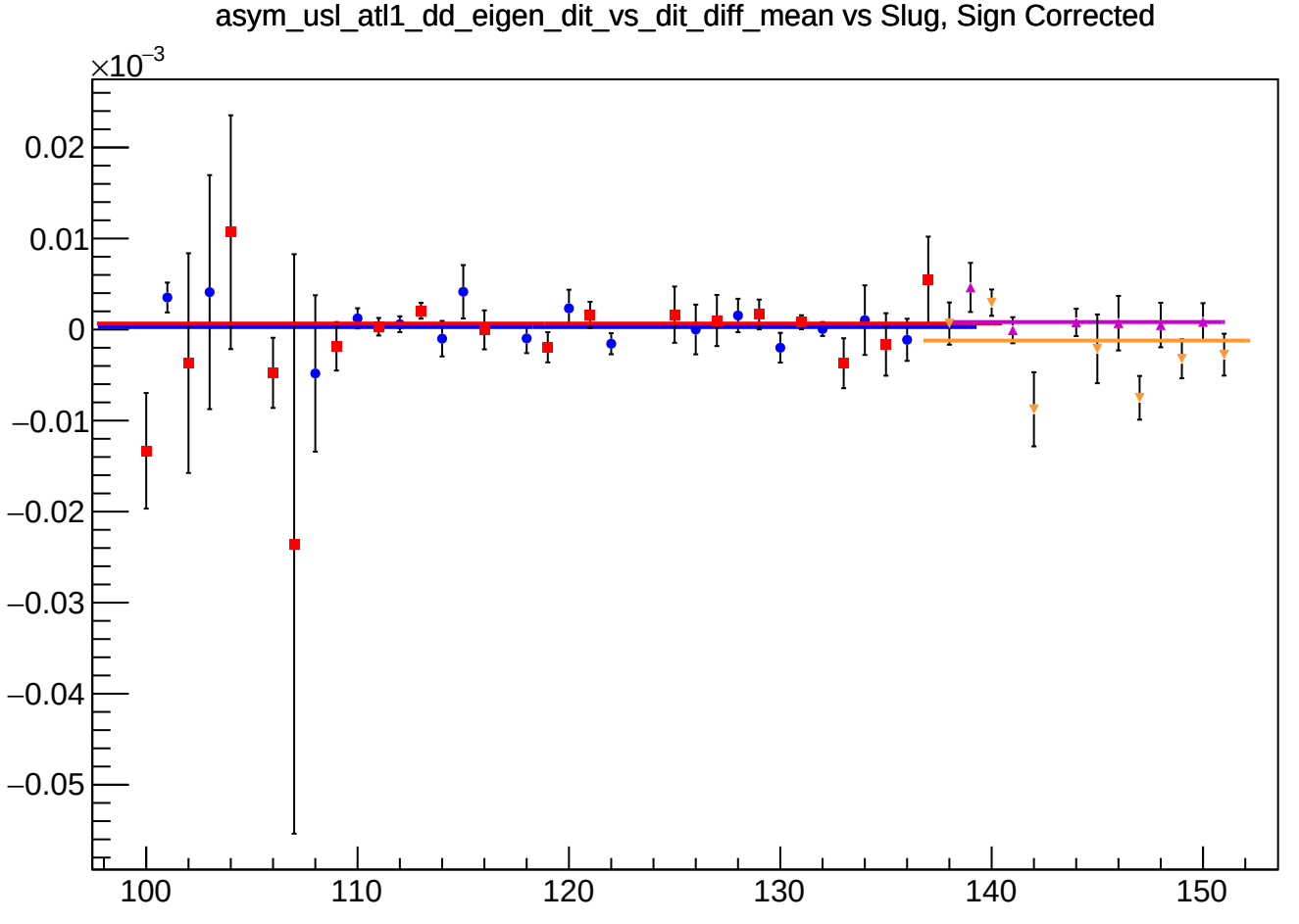
Left: 21.390+/-0.005 χ^2/NDF: 351806.0/12

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.500+/-0.005 χ^2/NDF:2093873.0/21

Out: 23.955+/-0.006 χ^2/NDF:2940938.4/24

All: 23.718+/-0.004 χ^2/NDF: 5038309.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.4/5

Left: -0.000+/-0.000 χ^2/NDF: 26.1/12

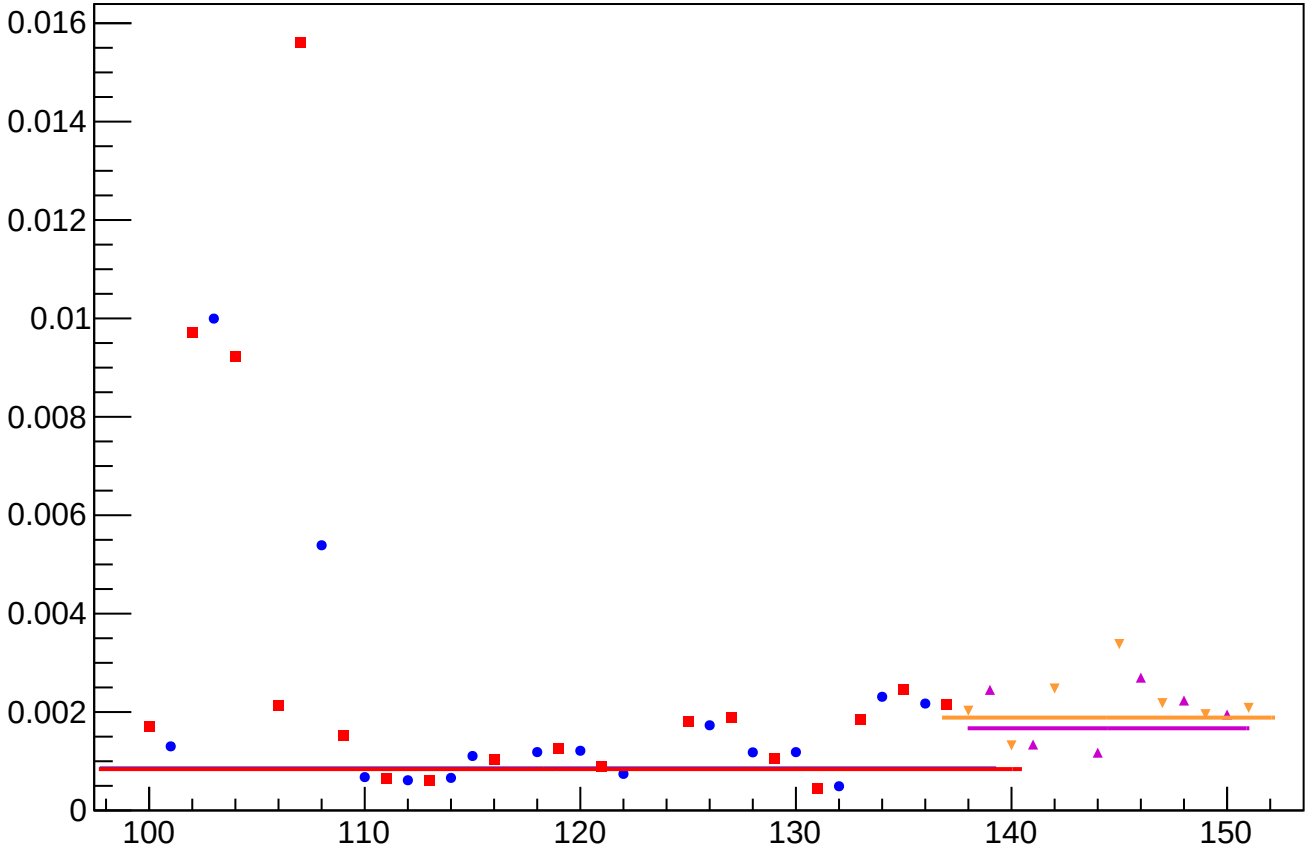
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:17.2/21

Out: 0.000+/-0.000 χ^2/NDF:43.9/24

All: 0.000+/-0.000 χ^2/NDF: 61.1/46

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:714340.6/6

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:873301.4/5

Left: 0.002+/-0.000 χ^2/NDF: 1656889.0/12

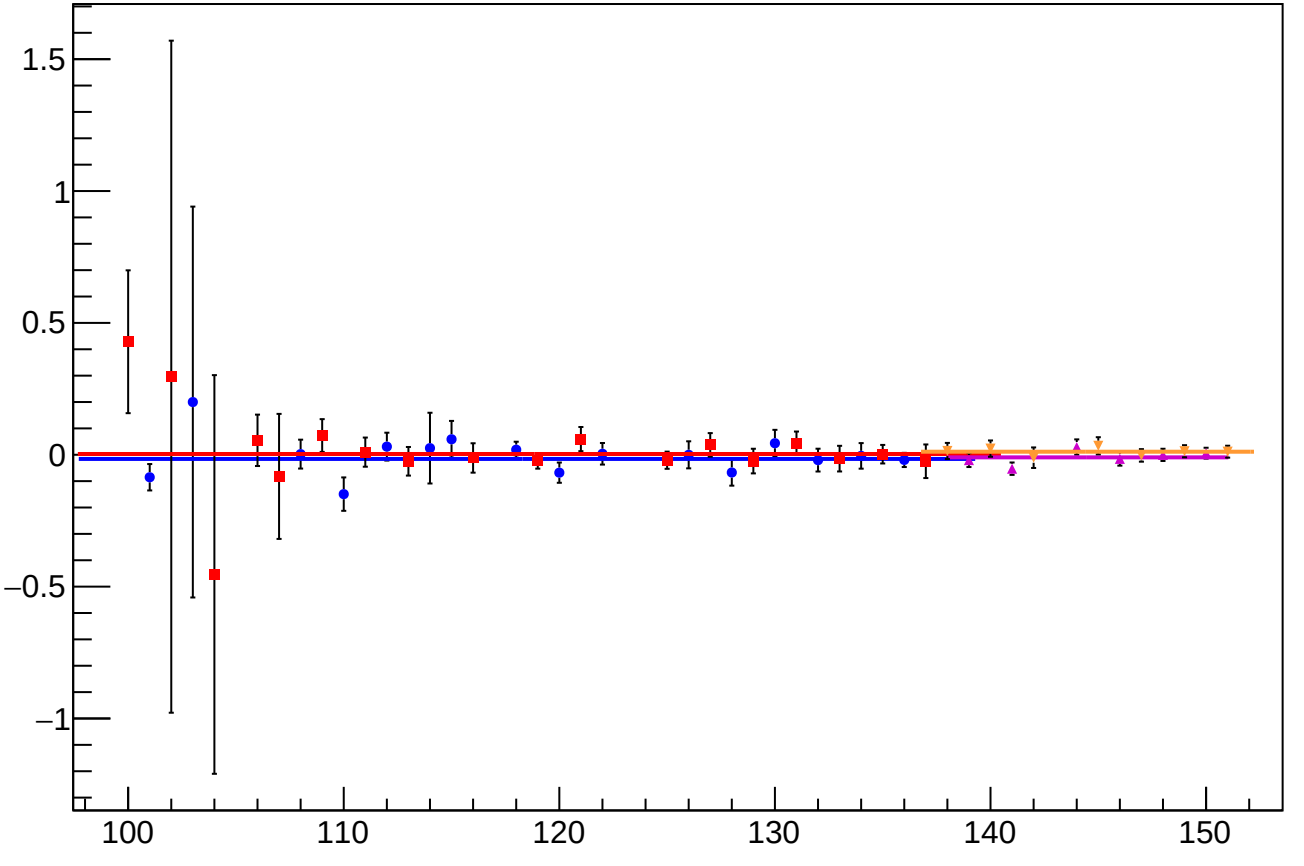
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:6466681.2/21

Out: 0.001+/-0.000 χ^2/NDF:8224564.8/24

All: 0.001+/-0.000 χ^2/NDF: 14696482.6/46

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: 0.012+/-0.010 χ^2/NDF:1.3/6

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.010+/-0.010 χ^2/NDF:6.1/5

Left: 0.000+/-0.007 χ^2/NDF: 9.7/12

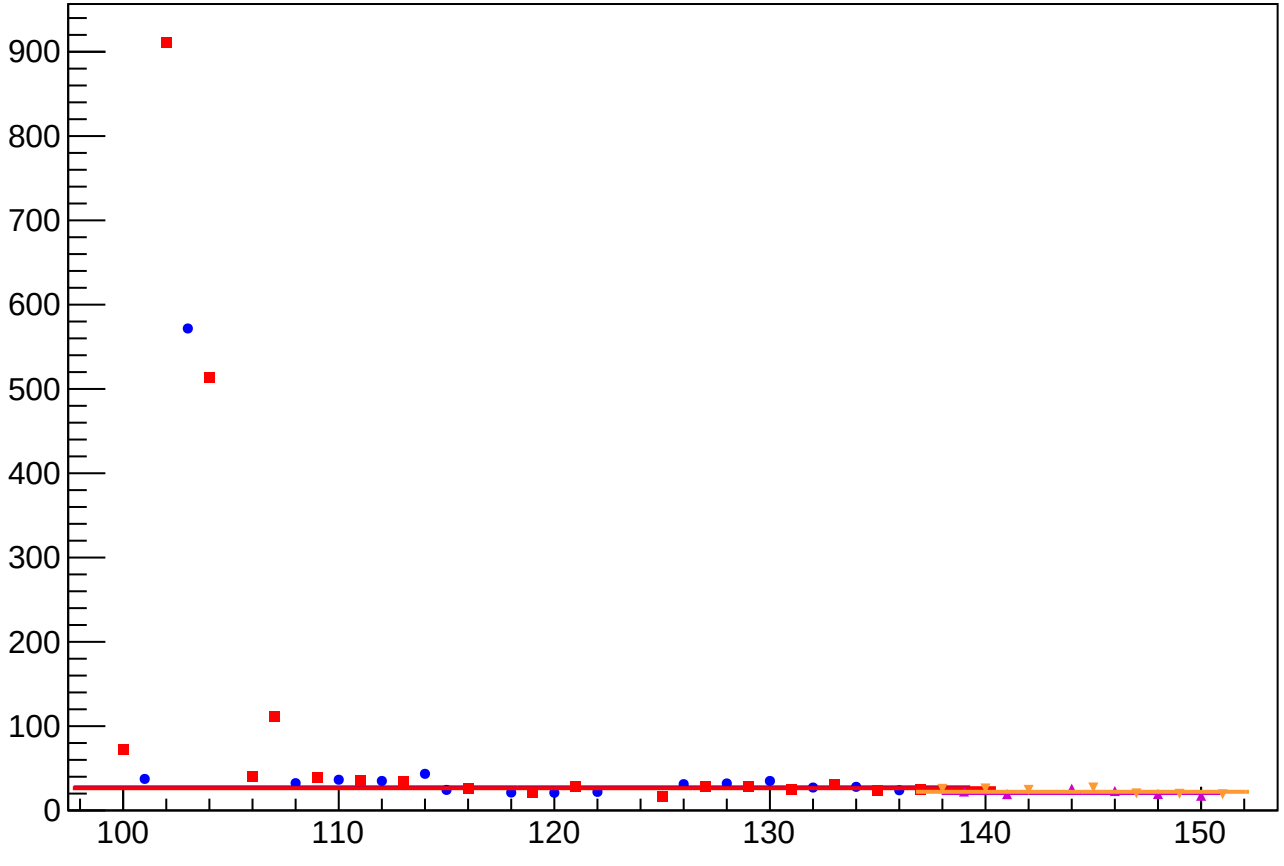
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.012+/-0.008 χ^2/NDF:20.9/21

Out: 0.008+/-0.008 χ^2/NDF:11.5/24

All: -0.003+/-0.005 χ^2/NDF: 35.8/46

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.141+/-0.007 χ^2/NDF:182138.8/6

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.701+/-0.007 χ^2/NDF:149461.5/5

Left: 21.390+/-0.005 χ^2/NDF: 351757.8/12

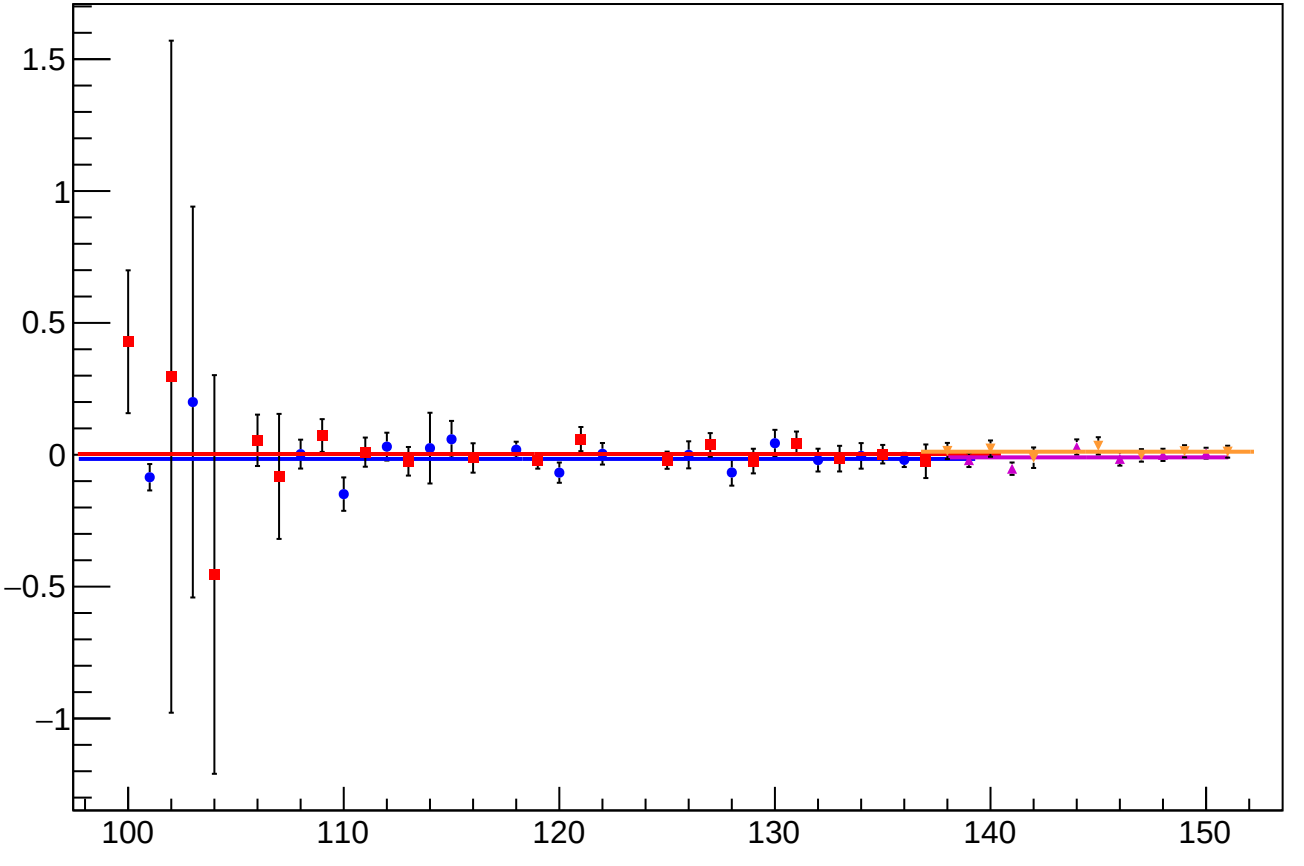
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.501+/-0.005 χ^2/NDF:2093828.0/21

Out: 23.955+/-0.006 χ^2/NDF:2940945.8/24

All: 23.718+/-0.004 χ^2/NDF: 5038270.4/46

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: 0.012+/-0.010 χ^2/NDF:1.3/6

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.010+/-0.010 χ^2/NDF:6.1/5

Left: 0.000+/-0.007 χ^2/NDF: 9.7/12

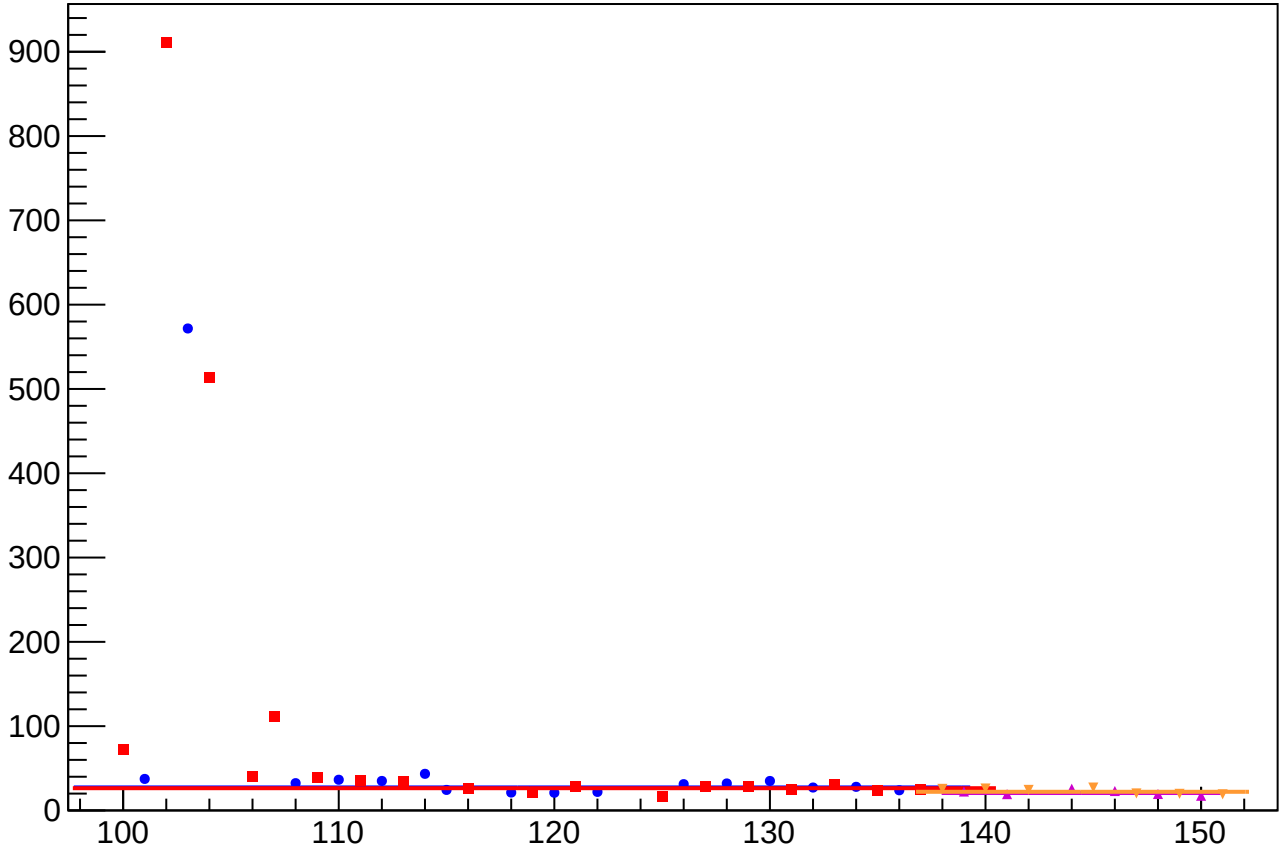
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.012+/-0.008 χ^2/NDF:20.9/21

Out: 0.008+/-0.008 χ^2/NDF:11.5/24

All: -0.003+/-0.005 χ^2/NDF: 35.8/46

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.141+/-0.007 χ^2/NDF:182138.8/6

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.701+/-0.007 χ^2/NDF:149461.5/5

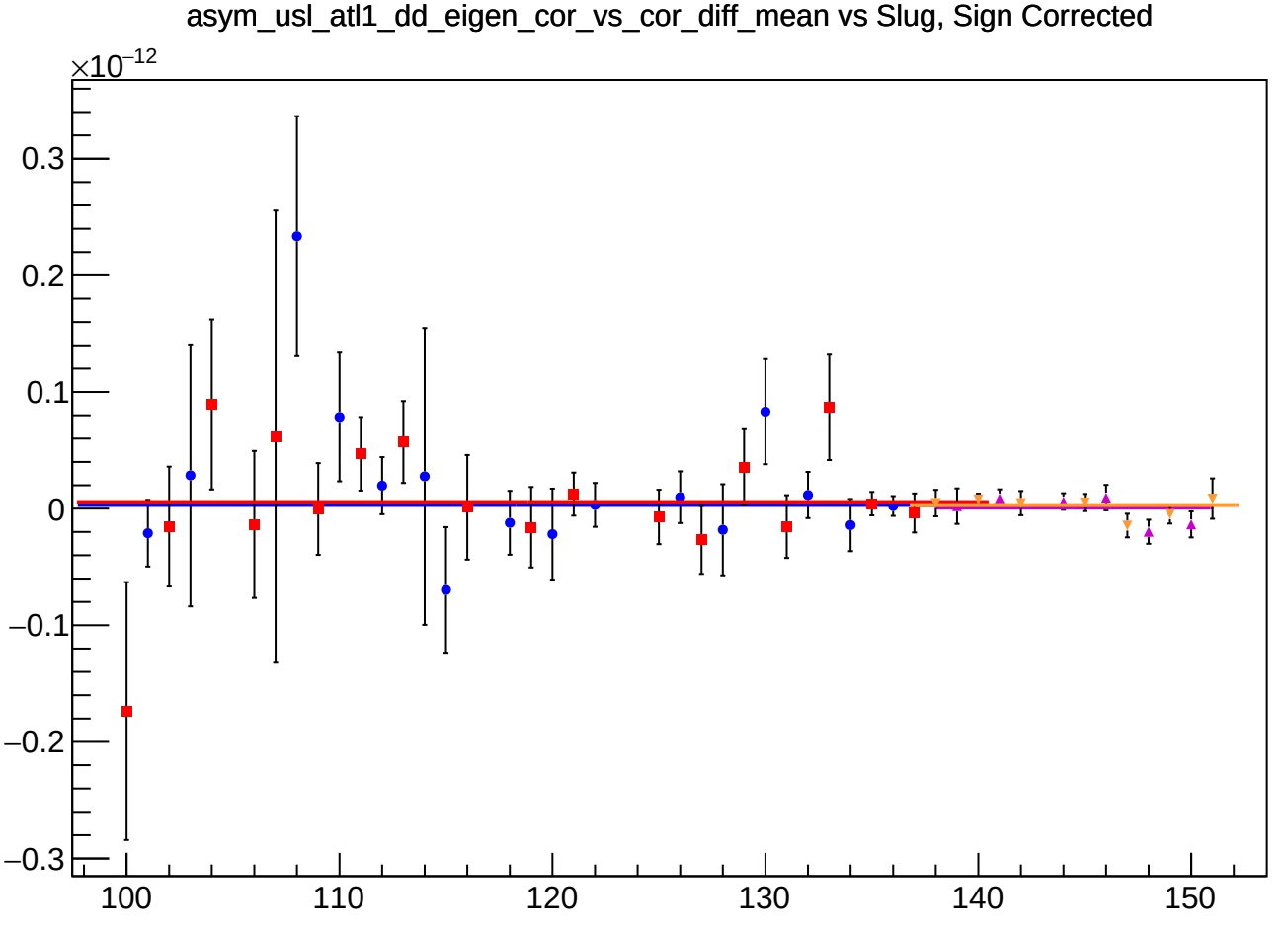
Left: 21.390+/-0.005 χ^2/NDF: 351757.8/12

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.501+/-0.005 χ^2/NDF:2093828.0/21

Out: 23.955+/-0.006 χ^2/NDF:2940945.8/24

All: 23.718+/-0.004 χ^2/NDF: 5038270.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:7.9/5

Left: 0.000+/-0.000 χ^2/NDF: 13.2/12

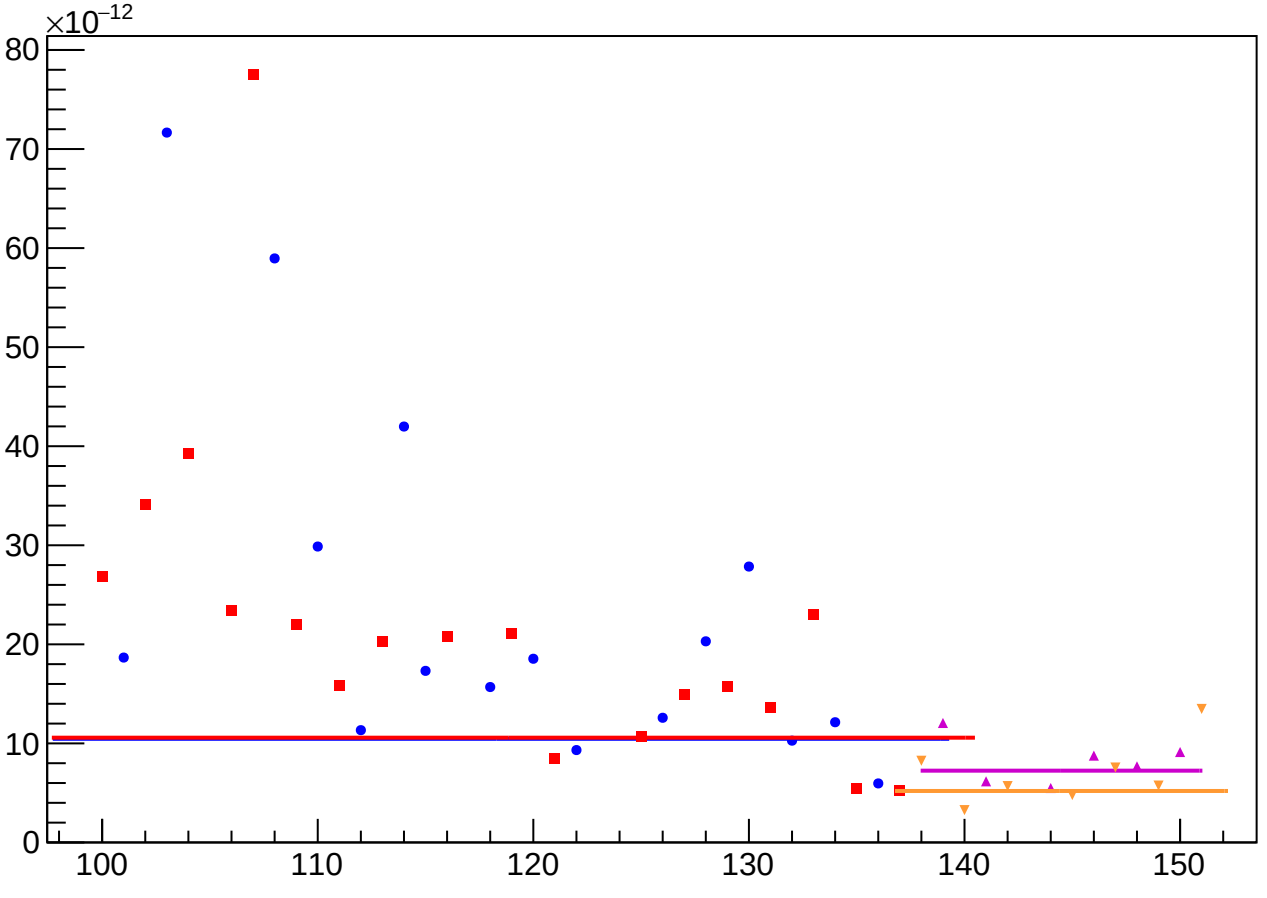
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:23.0/21

Out: 0.000+/-0.000 χ^2/NDF:20.5/24

All: 0.000+/-0.000 χ^2/NDF: 43.8/46

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:1041789.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:460788.9/5

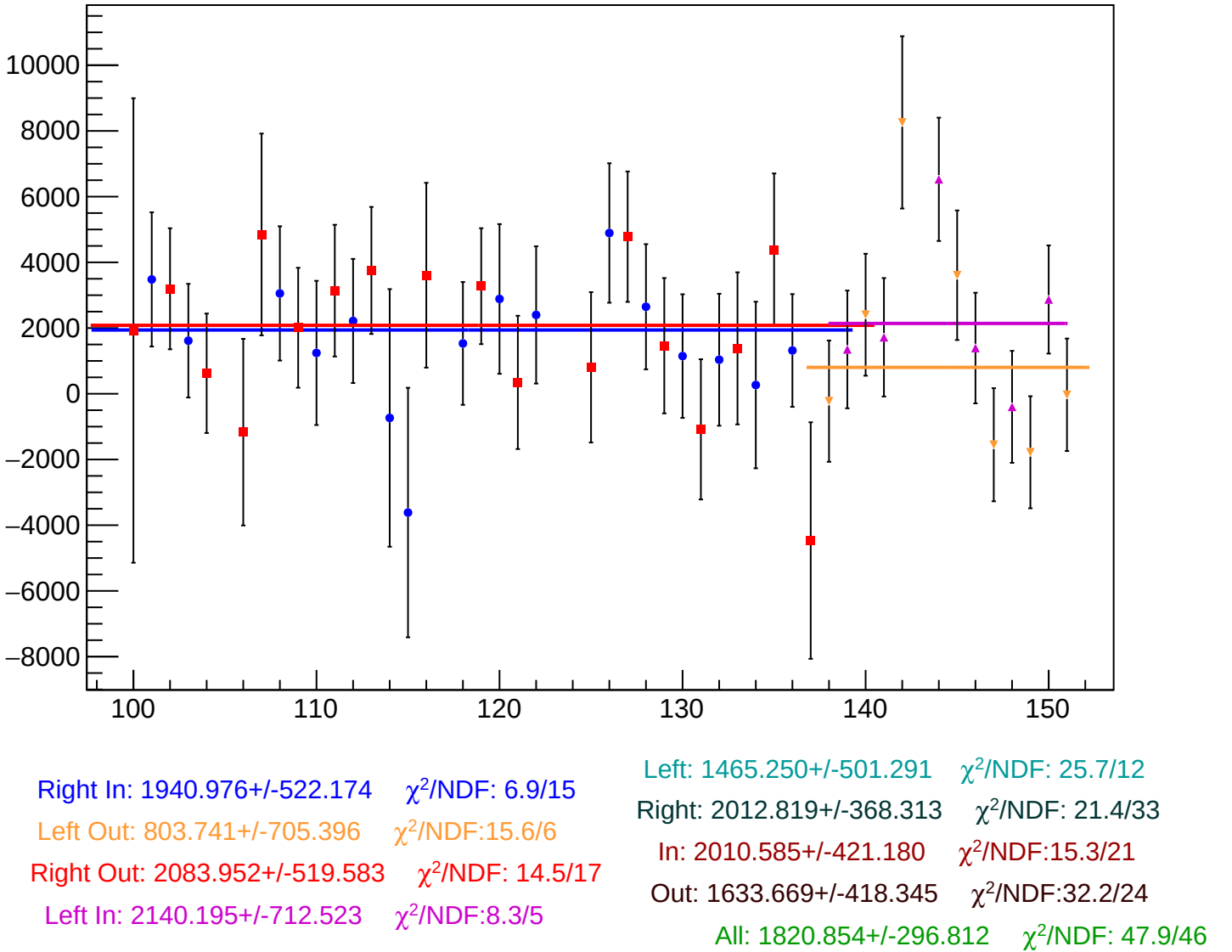
Left: 0.000+/-0.000 χ^2/NDF: 1845920.9/12

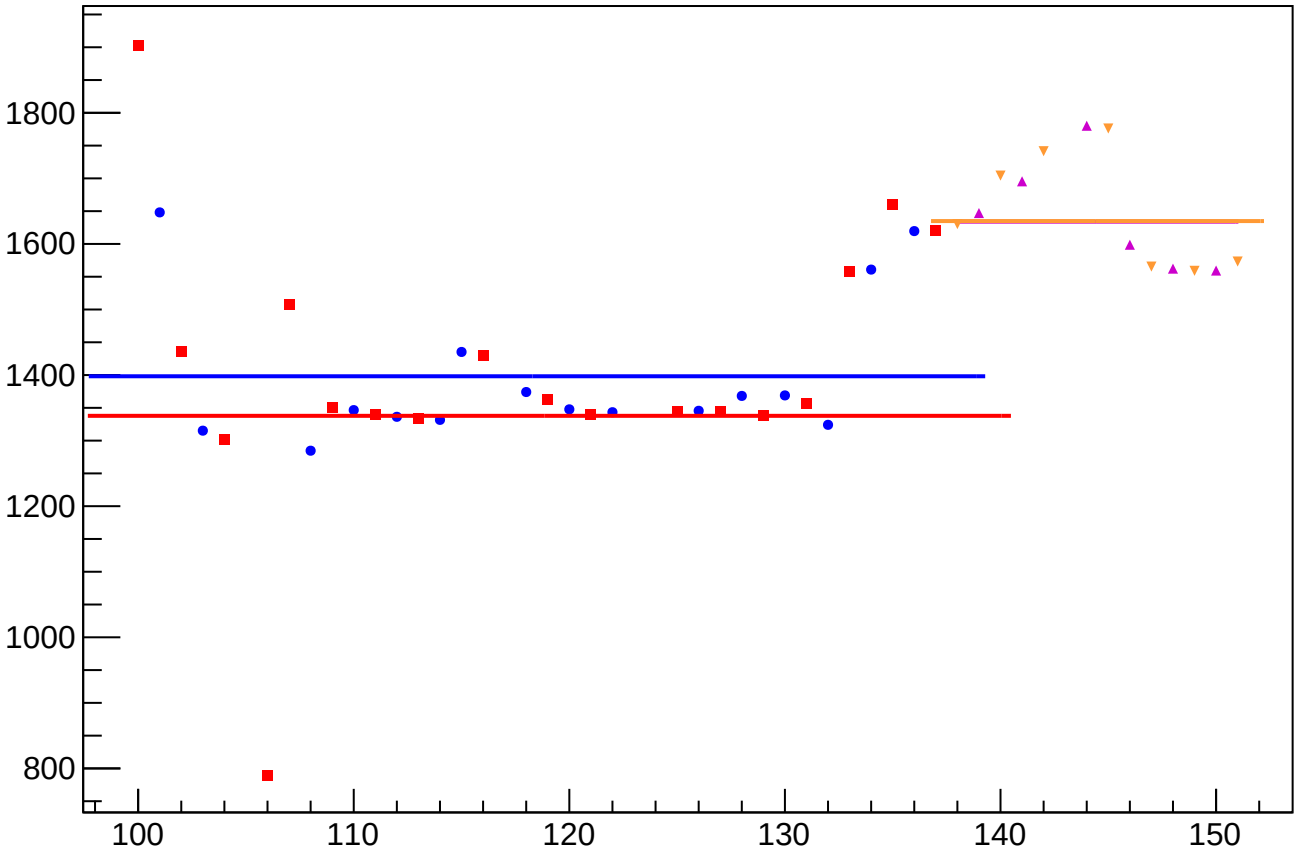
Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:3687380.0/21

Out: 0.000+/-0.000 χ^2/NDF:5056898.1/24

All: 0.000+/-0.000 χ^2/NDF: 9173457.0/46


reg_asym_usl_atl2_avg_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: 1940.976+/-522.174 χ²/NDF: 6.9/15
Left Out: 803.741+/-705.396 χ²/NDF:15.6/6
Right Out: 2083.952+/-519.583 χ²/NDF: 14.5/17
Left In: 2140.195+/-712.523 χ²/NDF:8.3/5
Left: 1465.250+/-501.291 χ²/NDF: 25.7/12
Right: 2012.819+/-368.313 χ²/NDF: 21.4/33
In: 2010.585+/-421.180 χ²/NDF:15.3/21
Out: 1633.669+/-418.345 χ²/NDF:32.2/24
All: 1820.854+/-296.812 χ²/NDF: 47.9/46



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1634.881+/-0.499 χ^2/NDF:26183.8/6

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1633.984+/-0.504 χ^2/NDF:23112.5/5

Left: 1634.437+/-0.354 χ^2/NDF: 49297.8/12

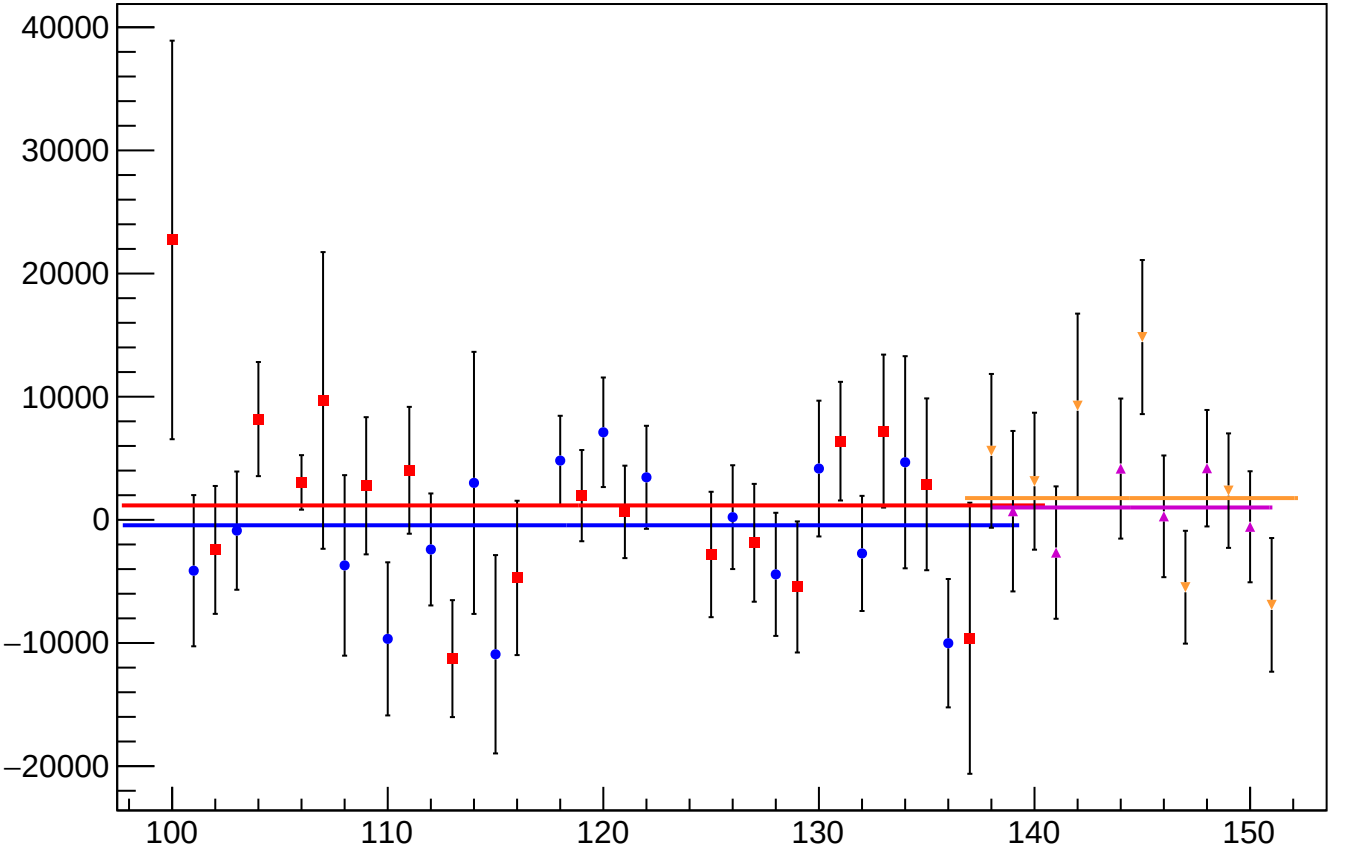
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1480.561+/-0.298 χ^2/NDF:259568.1/21

Out: 1438.039+/-0.290 χ^2/NDF:578979.6/24

All: 1458.713+/-0.208 χ^2/NDF: 849021.3/46

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: 1765.932+/-2088.406 χ^2/NDF:10.9/6

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 1004.021+/-2113.040 χ^2/NDF:1.4/5

Left: 1389.444+/-1485.359 χ^2/NDF: 12.3/12

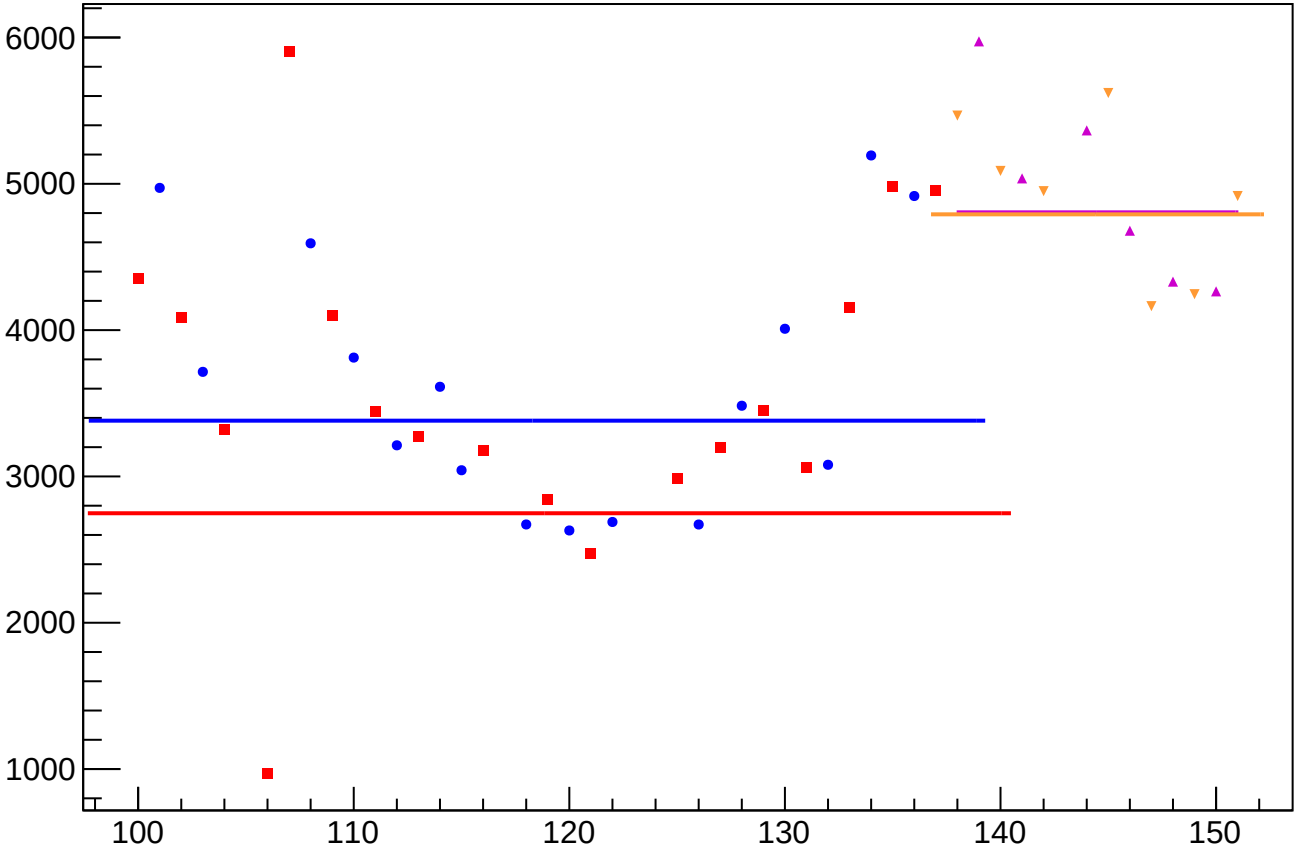
Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -46.140+/-1104.707 χ^2/NDF:17.6/21

Out: 1304.294+/-986.944 χ^2/NDF:30.6/24

All: 704.869+/-736.000 χ^2/NDF: 49.1/46

asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 4791.402+/-1.477 χ^2/NDF:131278.5/6

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 4805.057+/-1.494 χ^2/NDF:137529.2/5

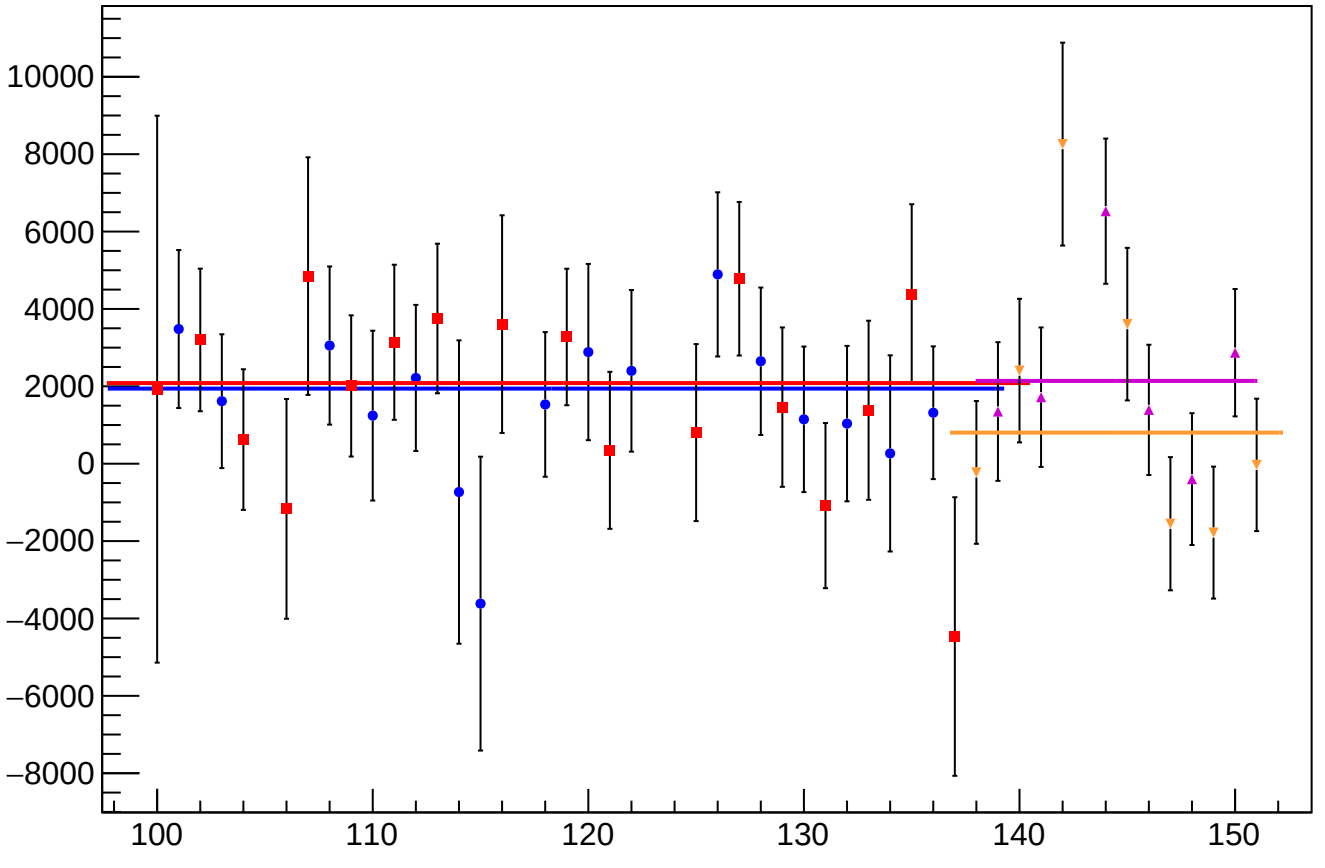
Left: 4798.149+/-1.050 χ^2/NDF: 268849.9/12

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3770.315+/-0.781 χ^2/NDF:1554667.6/21

Out: 3204.650+/-0.698 χ^2/NDF:3882407.5/24

All: 3455.735+/-0.520 χ^2/NDF: 5728700.8/46



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 803.752+/-705.396 χ^2/NDF:15.6/6

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2140.274+/-712.523 χ^2/NDF:8.3/5

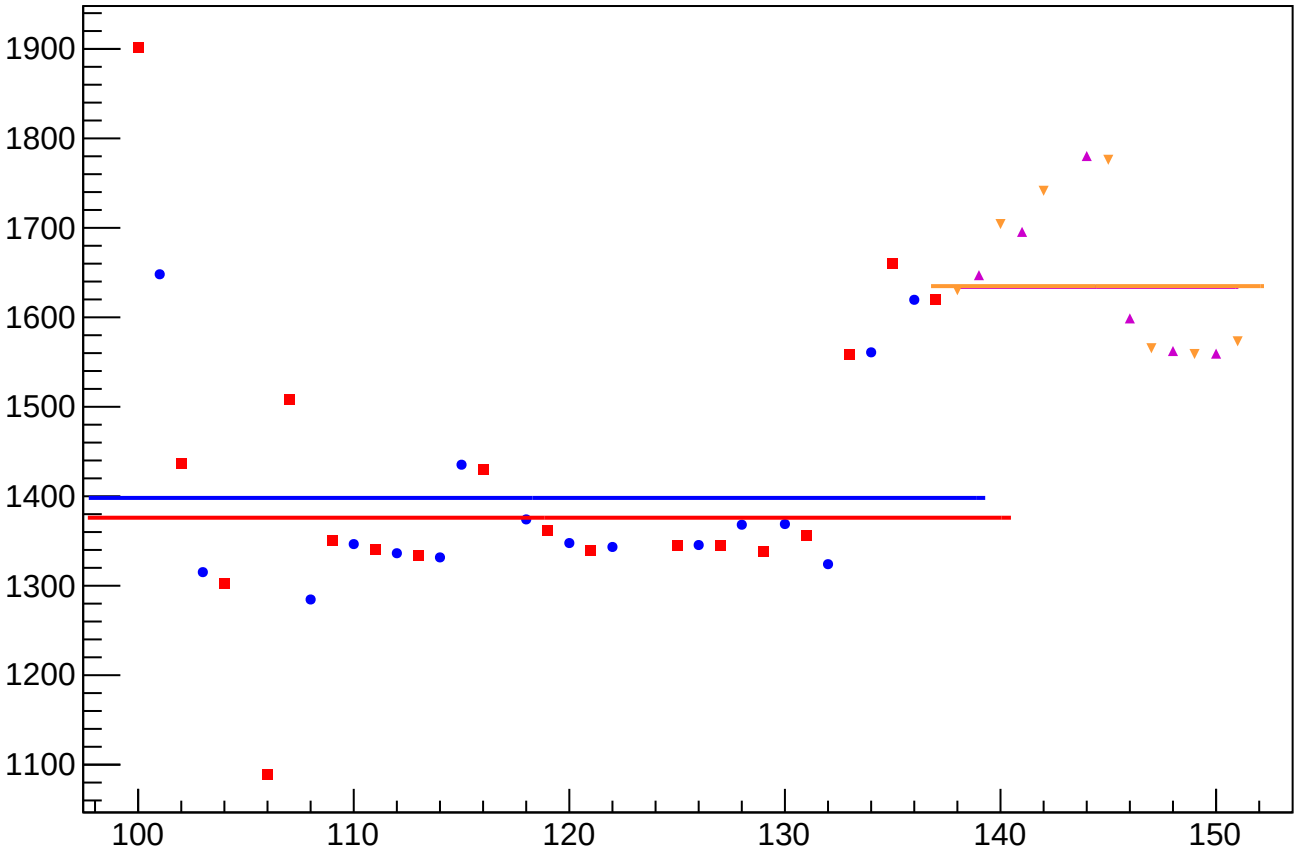
Left: 1465.295+/-501.291 χ^2/NDF: 25.7/12

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2010.649+/-421.180 χ^2/NDF:15.3/21

Out: 1633.808+/-418.347 χ^2/NDF:32.2/24

All: 1820.957+/-296.813 χ^2/NDF: 47.9/46



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1634.881+/-0.499 χ^2/NDF:26183.8/6

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1633.984+/-0.504 χ^2/NDF:23112.5/5

Left: 1634.437+/-0.354 χ^2/NDF: 49297.8/12

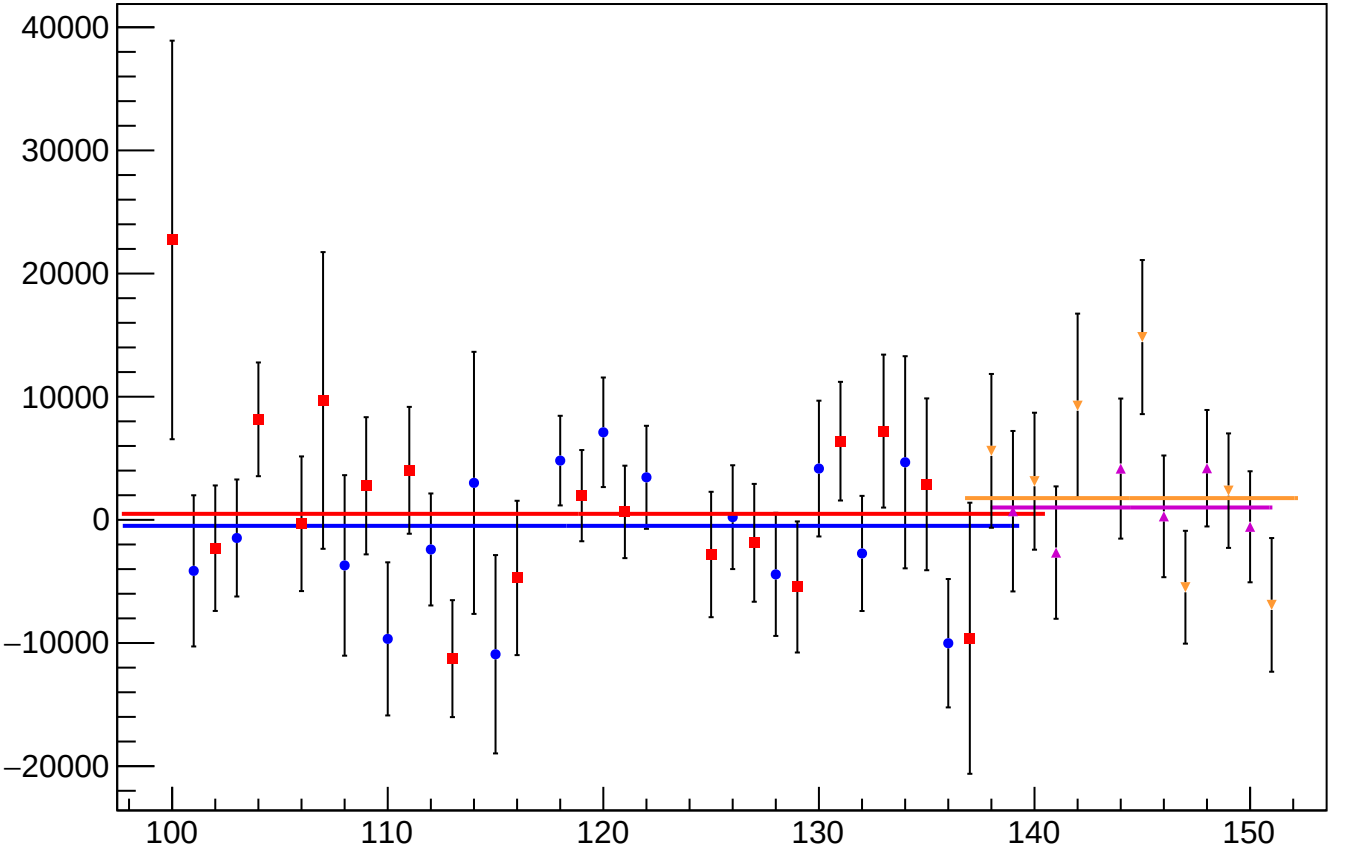
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1480.560+/-0.298 χ^2/NDF:259568.2/21

Out: 1465.496+/-0.293 χ^2/NDF:316456.6/24

All: 1472.912+/-0.209 χ^2/NDF: 577323.8/46

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: 1765.924+/-2088.406 χ^2/NDF:10.9/6

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1004.101+/-2113.037 χ^2/NDF:1.4/5

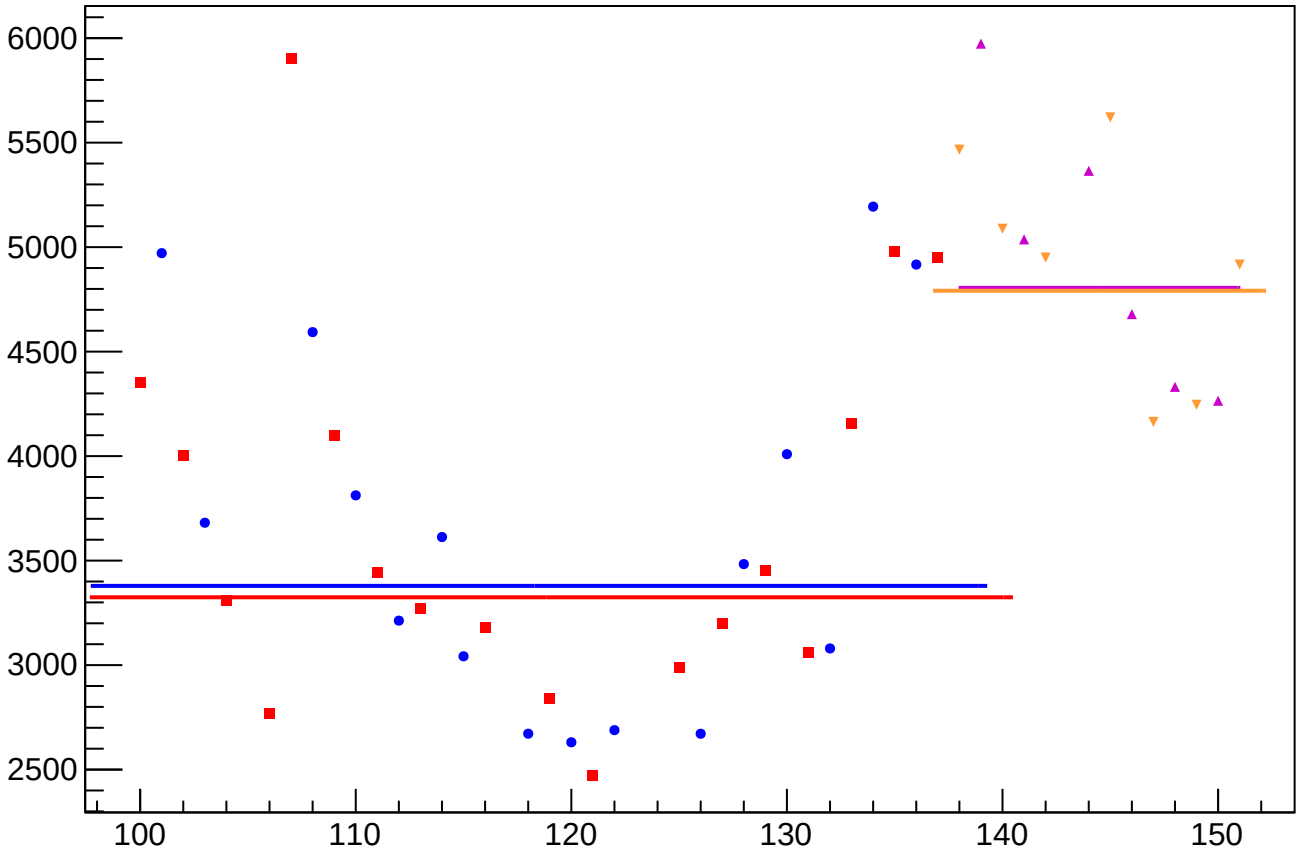
Left: 1389.478+/-1485.358 χ^2/NDF: 12.3/12

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -79.577+/-1104.096 χ^2/NDF:17.7/21

Out: 829.992+/-1079.678 χ^2/NDF:29.9/24

All: 385.377+/-771.936 χ^2/NDF: 47.9/46



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4791.404+/-1.477 χ^2/NDF:131278.3/6

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 4805.051+/-1.494 χ^2/NDF:137529.7/5

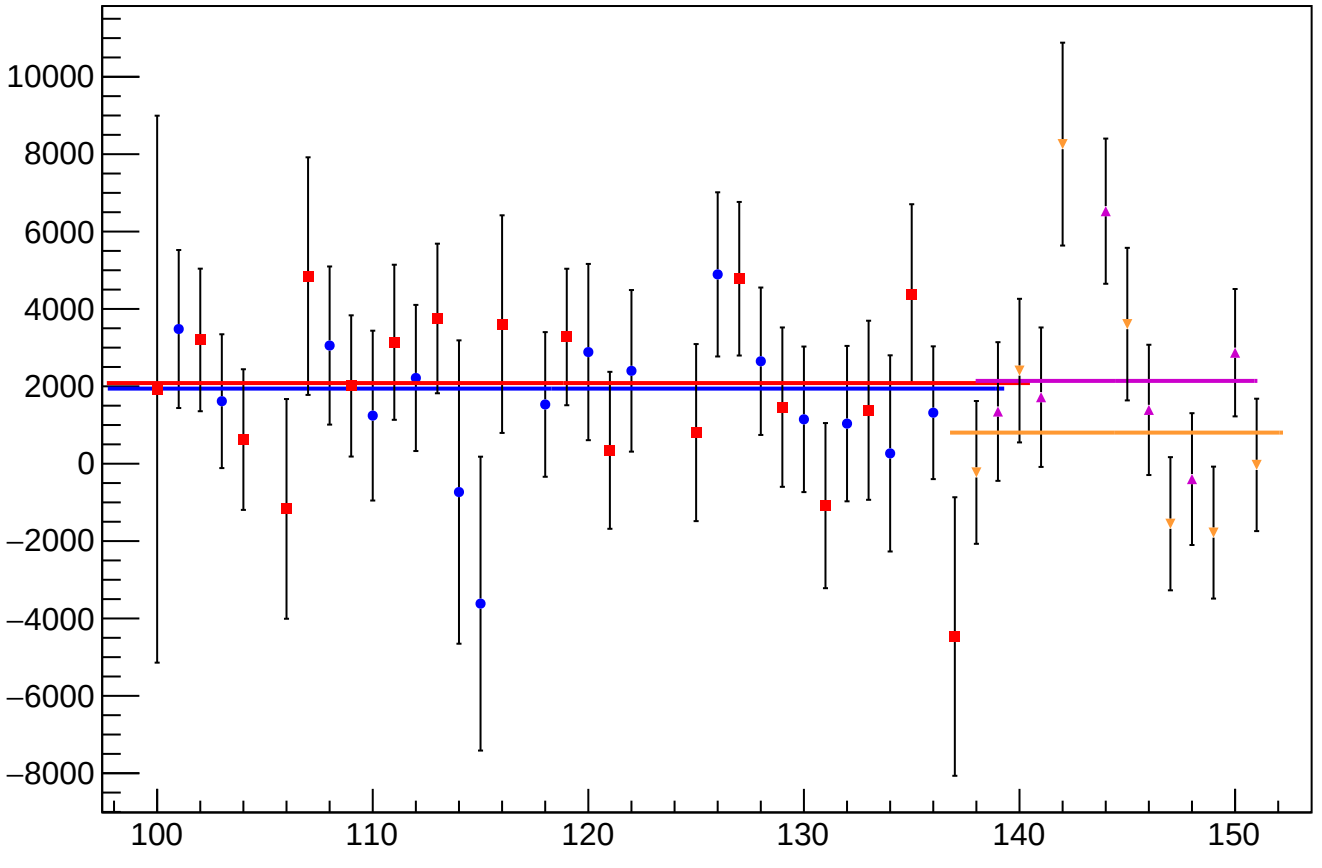
Left: 4798.148+/-1.050 χ^2/NDF: 268850.2/12

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3768.425+/-0.781 χ^2/NDF:1554993.8/21

Out: 3716.530+/-0.763 χ^2/NDF:1398151.5/24

All: 3741.897+/-0.546 χ^2/NDF: 2955404.0/46



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 803.752+/-705.396 χ^2/NDF:15.6/6

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2140.274+/-712.523 χ^2/NDF:8.3/5

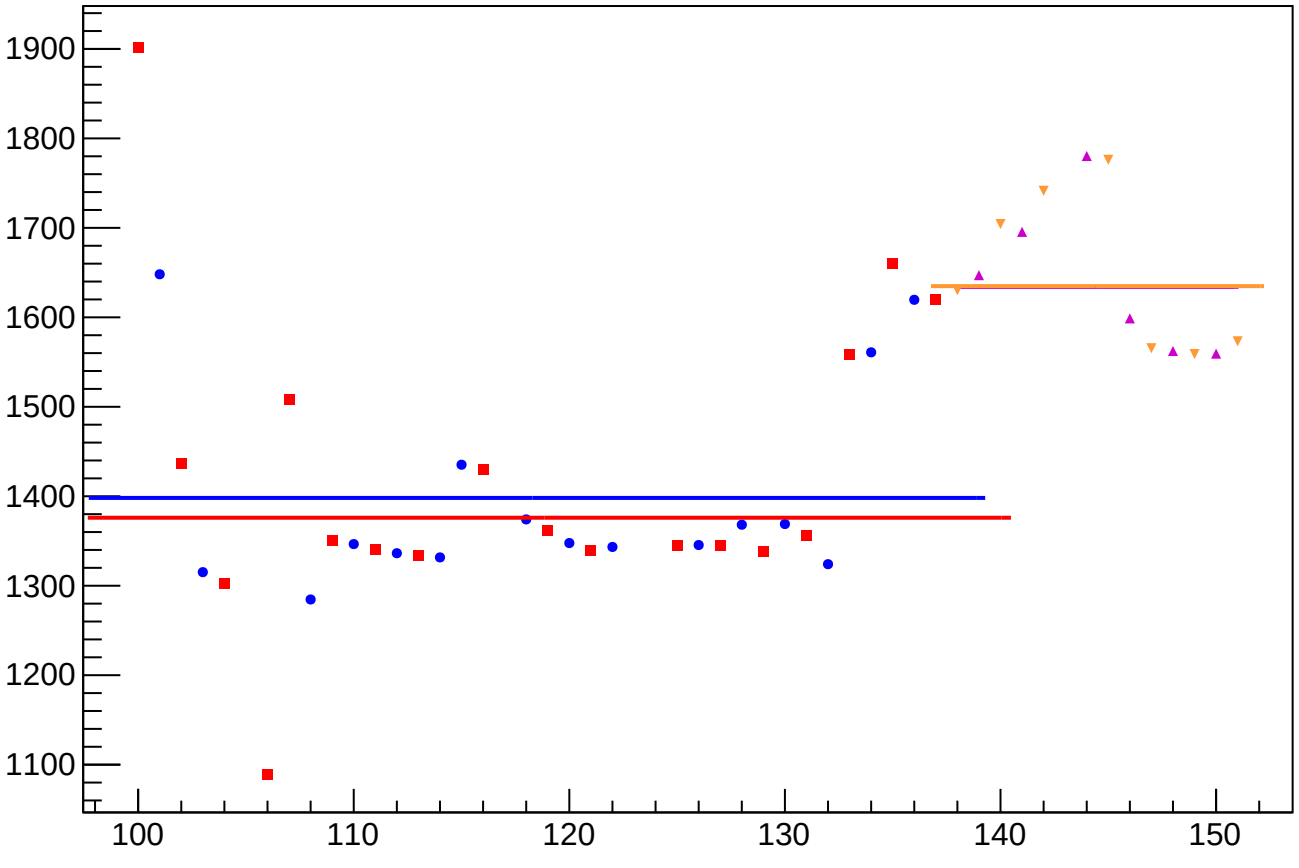
Left: 1465.295+/-501.291 χ^2/NDF: 25.7/12

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2010.649+/-421.180 χ^2/NDF:15.3/21

Out: 1633.808+/-418.347 χ^2/NDF:32.2/24

All: 1820.957+/-296.813 χ^2/NDF: 47.9/46



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1634.881+/-0.499 χ^2/NDF:26183.8/6

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1633.984+/-0.504 χ^2/NDF:23112.5/5

Left: 1634.437+/-0.354 χ^2/NDF: 49297.8/12

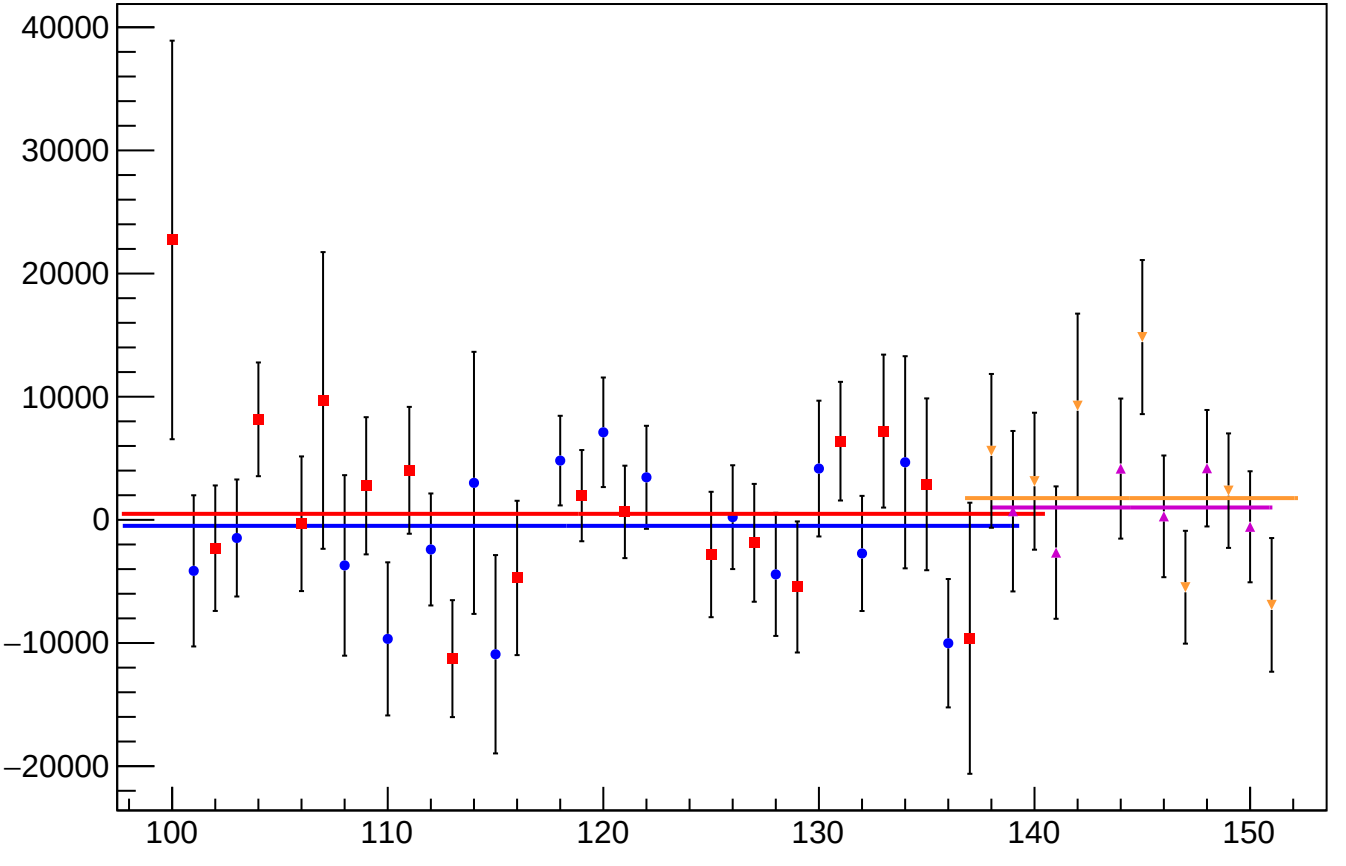
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1480.560+/-0.298 χ^2/NDF:259568.2/21

Out: 1465.496+/-0.293 χ^2/NDF:316456.6/24

All: 1472.912+/-0.209 χ^2/NDF: 577323.8/46

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: 1765.924+/-2088.406 χ^2/NDF:10.9/6

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1004.101+/-2113.037 χ^2/NDF:1.4/5

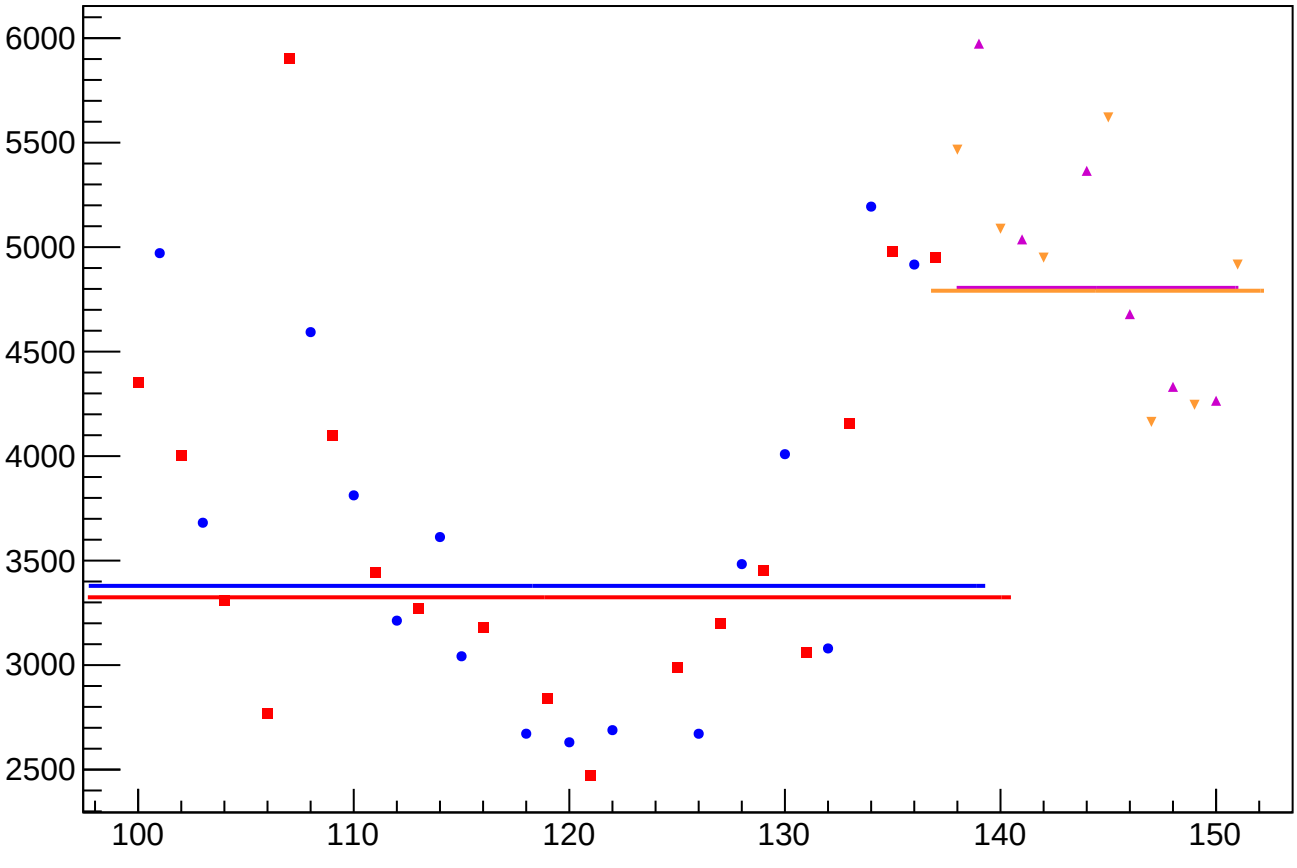
Left: 1389.478+/-1485.358 χ^2/NDF: 12.3/12

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -79.577+/-1104.096 χ^2/NDF:17.7/21

Out: 829.992+/-1079.678 χ^2/NDF:29.9/24

All: 385.377+/-771.936 χ^2/NDF: 47.9/46



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4791.404+/-1.477 χ^2/NDF:131278.3/6

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 4805.051+/-1.494 χ^2/NDF:137529.7/5

Left: 4798.148+/-1.050 χ^2/NDF: 268850.2/12

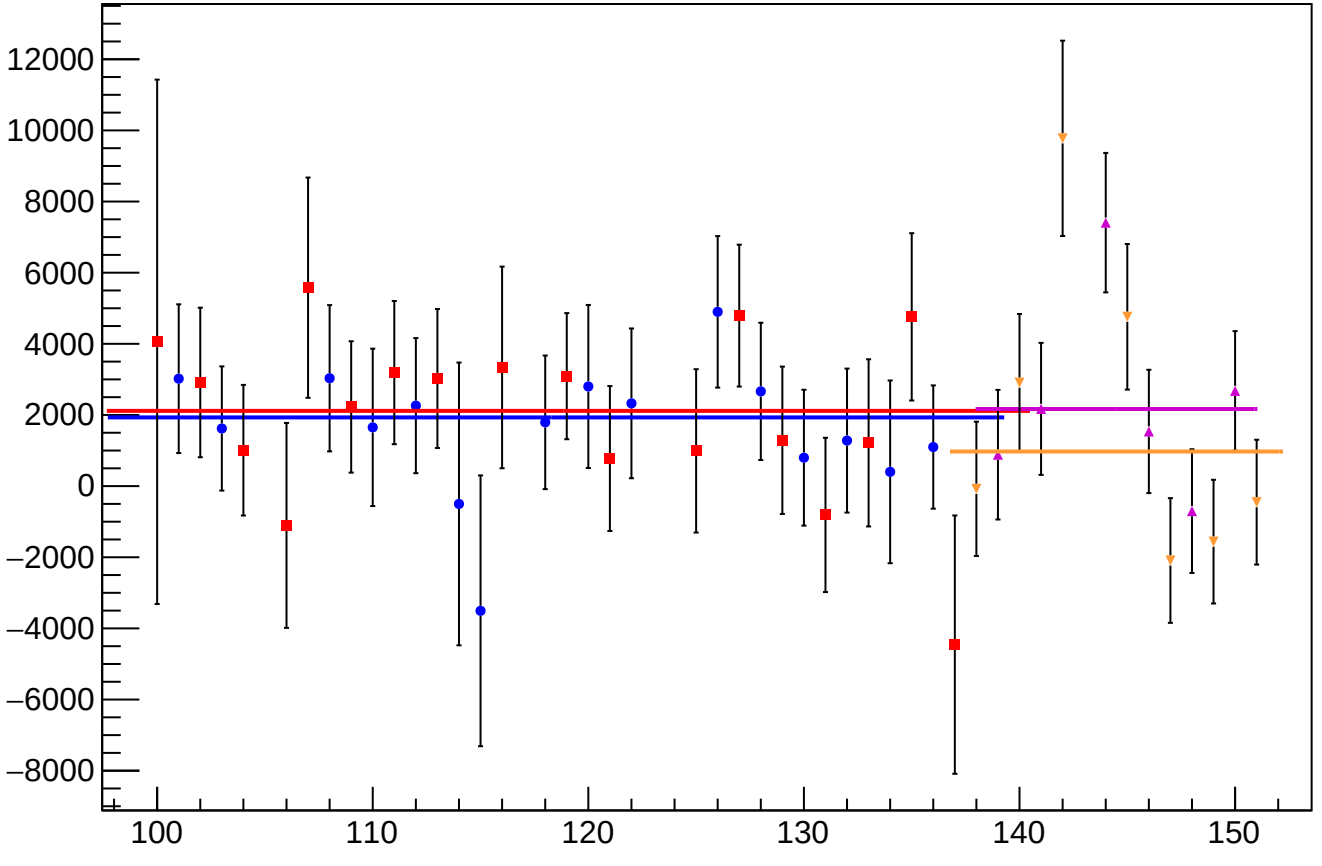
Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3768.425+/-0.781 χ^2/NDF:1554993.8/21

Out: 3716.530+/-0.763 χ^2/NDF:1398151.5/24

All: 3741.897+/-0.546 χ^2/NDF: 2955404.0/46

dit_asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 972.832+/-725.215 χ^2/NDF:20.9/6

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2167.584+/-731.308 χ^2/NDF:10.6/5

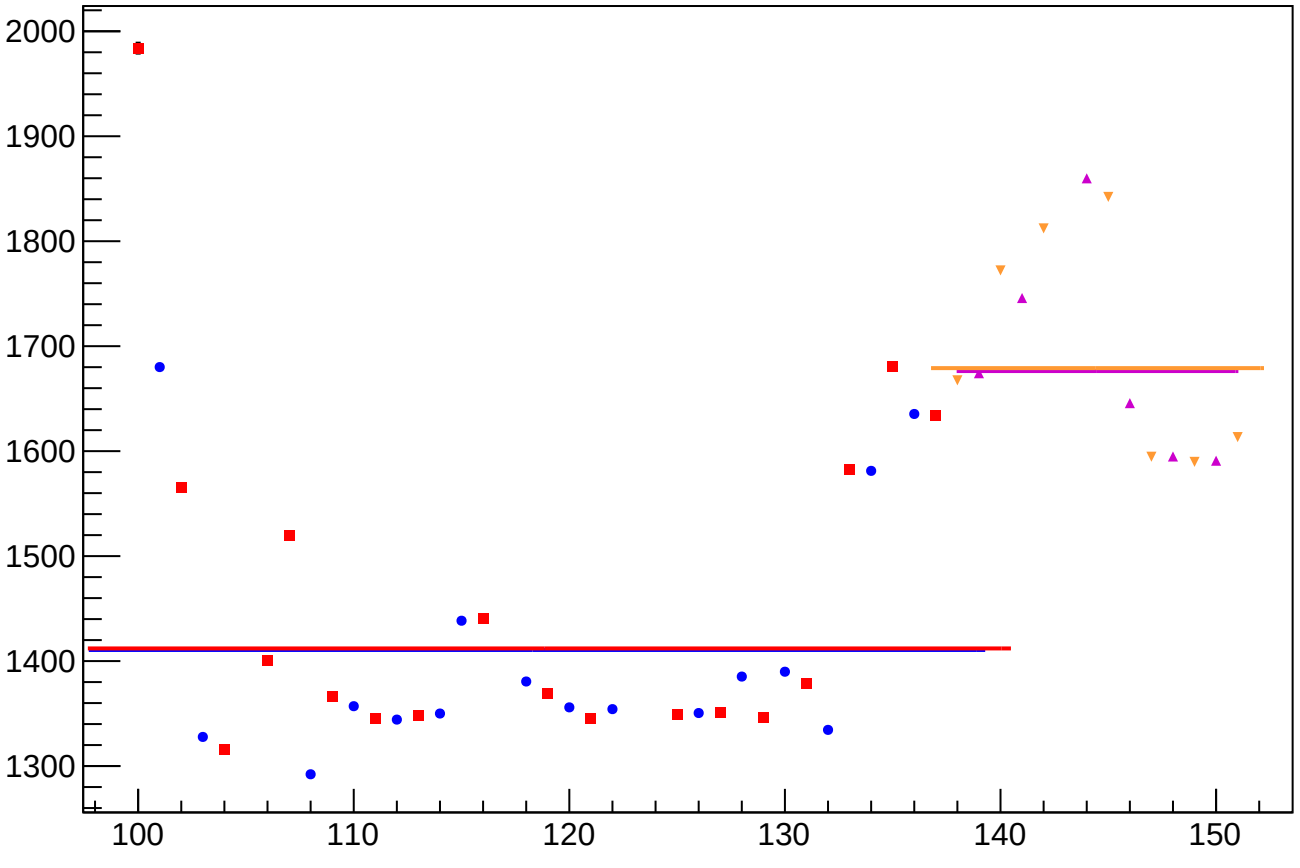
Left: 1565.210+/-514.945 χ^2/NDF: 32.8/12

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2012.246+/-427.624 χ^2/NDF:17.0/21

Out: 1718.653+/-427.276 χ^2/NDF:35.7/24

All: 1865.330+/-302.253 χ^2/NDF: 52.9/46



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1679.094+/-0.513 χ^2/NDF:34857.4/6

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1676.305+/-0.517 χ^2/NDF:30536.6/5

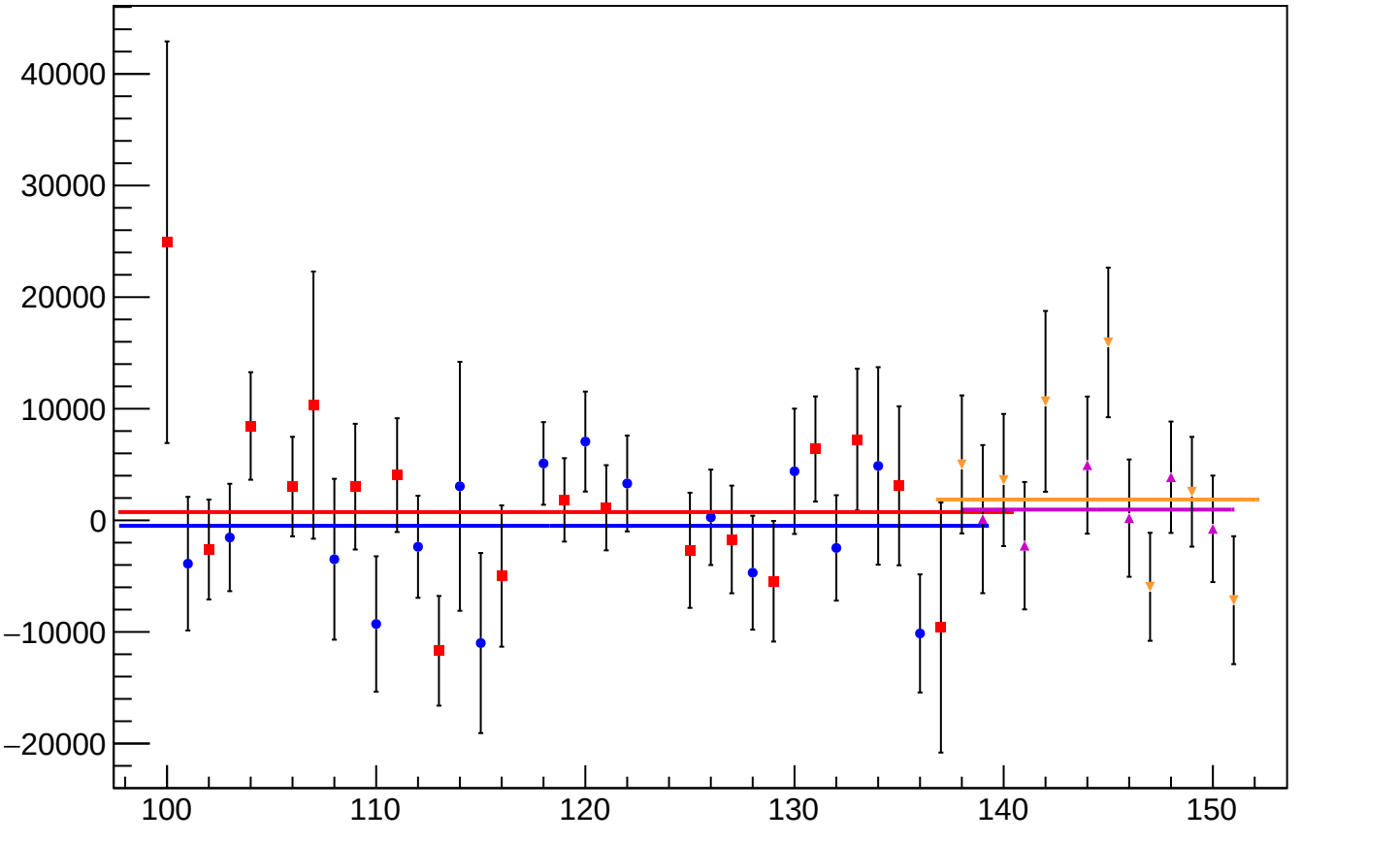
Left: 1677.711+/-0.364 χ^2/NDF: 65408.6/12

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1501.446+/-0.302 χ^2/NDF:303435.7/21

Out: 1504.423+/-0.302 χ^2/NDF:301941.3/24

All: 1502.938+/-0.214 χ^2/NDF: 605425.5/46



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 1863.505+/-2200.162 χ^2/NDF:11.0/6

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 961.544+/-2235.200 χ^2/NDF:1.2/5

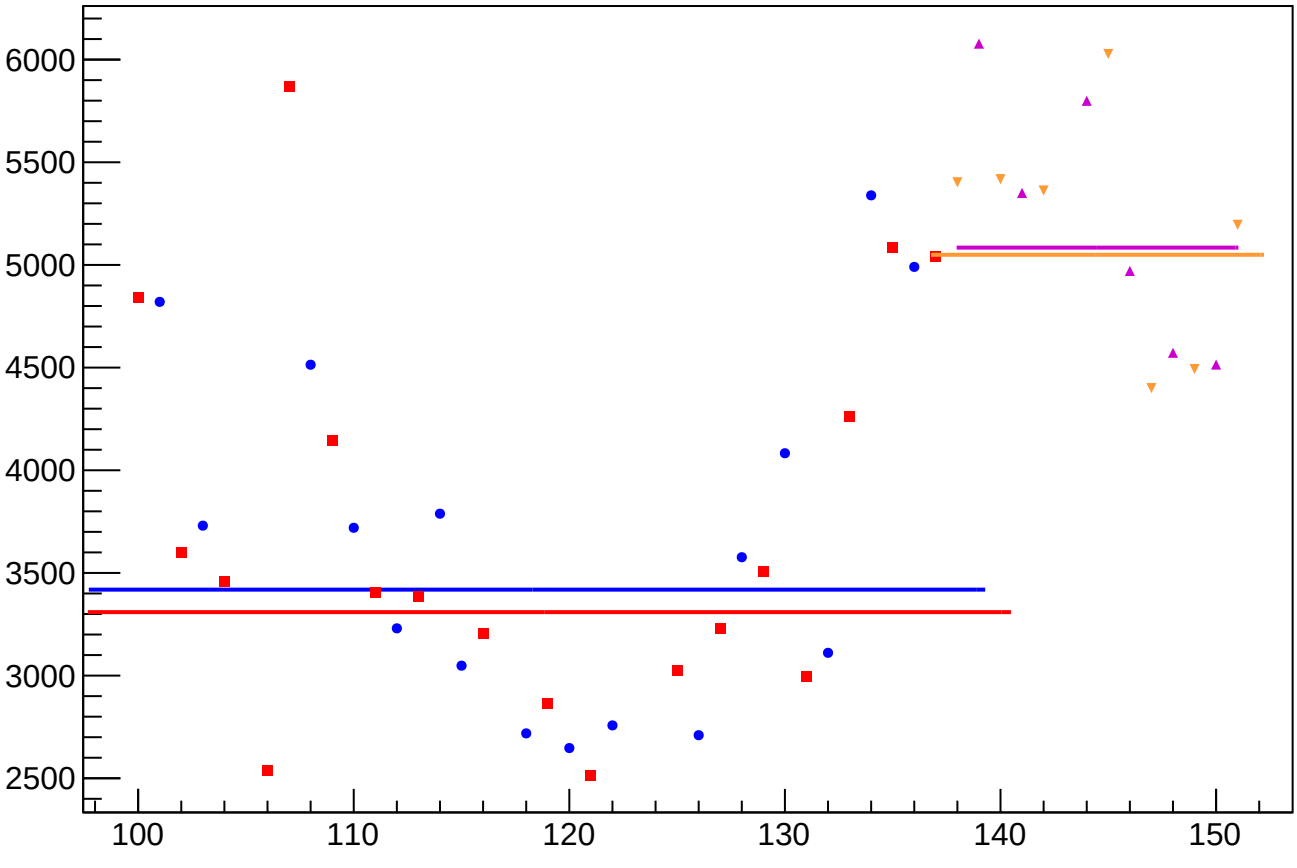
Left: 1419.650+/-1567.990 χ^2/NDF: 12.4/12

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -118.993+/-1129.358 χ^2/NDF:17.4/21

Out: 1013.923+/-1085.490 χ^2/NDF:30.4/24

All: 469.895+/-782.606 χ^2/NDF: 48.3/46



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5049.414+/-1.556 χ^2/NDF:122628.5/6

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5084.314+/-1.581 χ^2/NDF:126718.6/5

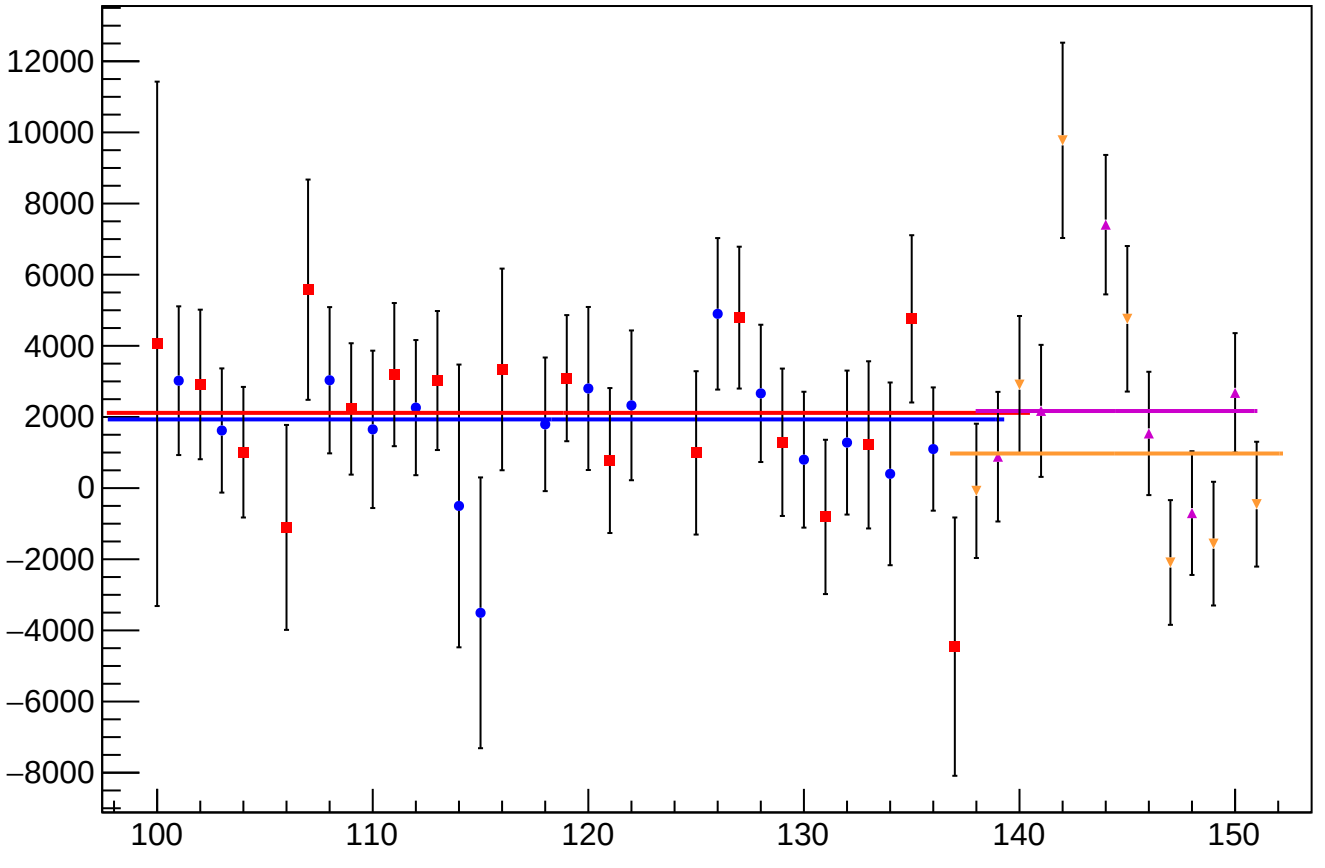
Left: 5066.588+/-1.109 χ^2/NDF: 249594.7/12

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3843.912+/-0.799 χ^2/NDF:1674987.8/21

Out: 3732.723+/-0.768 χ^2/NDF:1641305.5/24

All: 3786.116+/-0.553 χ^2/NDF: 3326370.1/46



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 972.835+/-725.215 χ^2/NDF:20.9/6

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2167.586+/-731.308 χ^2/NDF:10.6/5

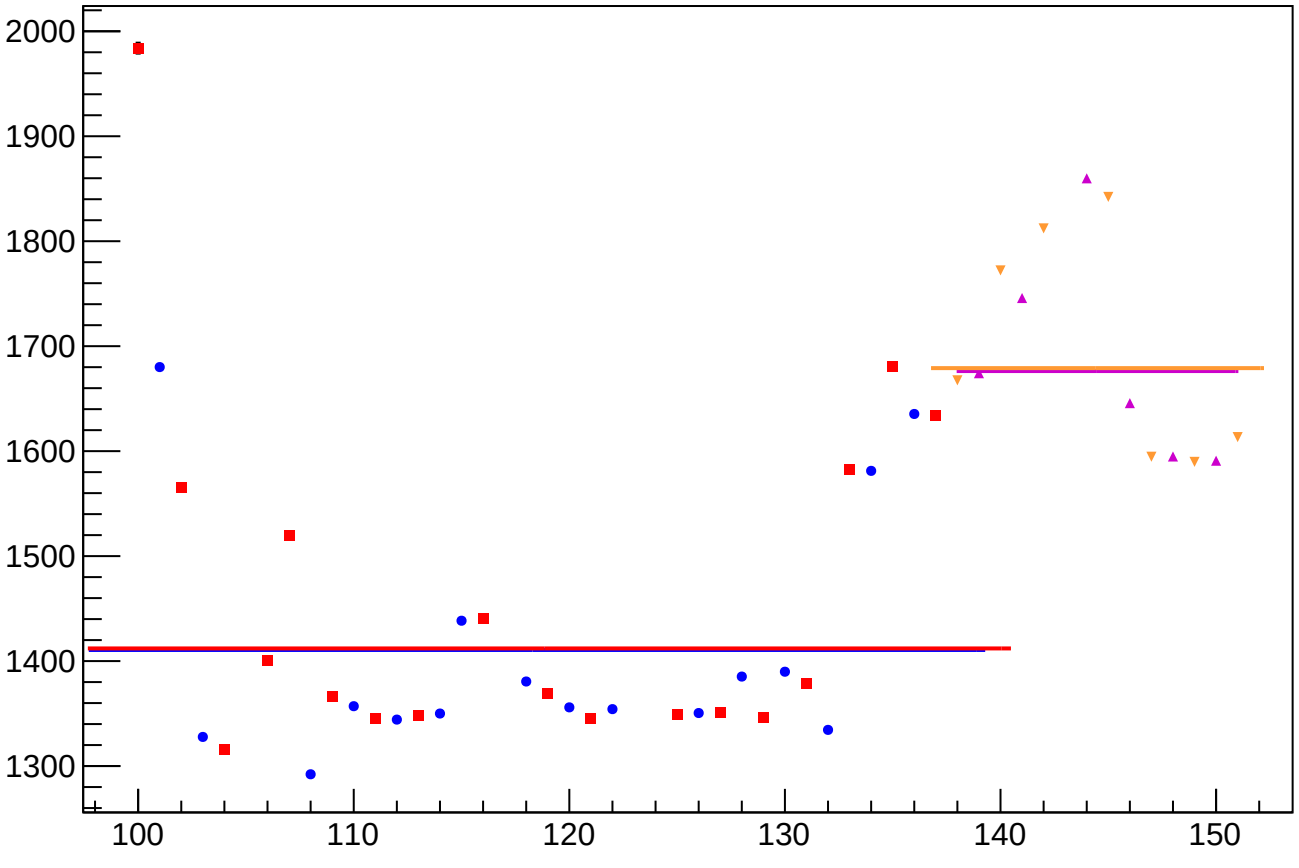
Left: 1565.212+/-514.945 χ^2/NDF: 32.8/12

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2012.247+/-427.624 χ^2/NDF:17.0/21

Out: 1718.655+/-427.276 χ^2/NDF:35.7/24

All: 1865.332+/-302.253 χ^2/NDF: 52.9/46



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1679.095+/-0.513 χ^2/NDF:34858.1/6

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1676.306+/-0.517 χ^2/NDF:30537.0/5

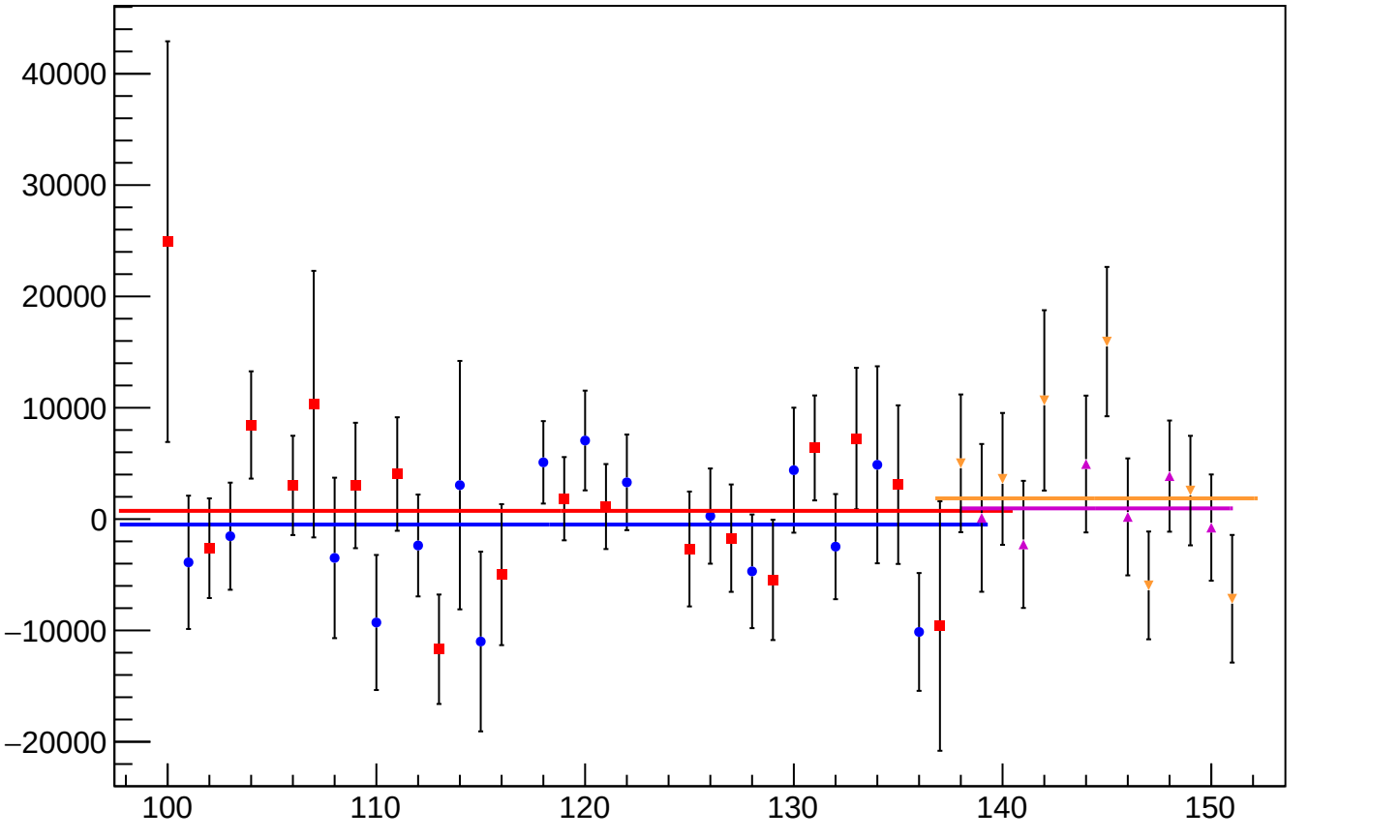
Left: 1677.712+/-0.364 χ^2/NDF: 65409.8/12

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1501.447+/-0.302 χ^2/NDF:303437.3/21

Out: 1504.423+/-0.302 χ^2/NDF:301943.4/24

All: 1502.939+/-0.214 χ^2/NDF: 605429.3/46



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 1863.498+/-2200.164 χ^2/NDF:11.0/6

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 961.546+/-2235.203 χ^2/NDF:1.2/5

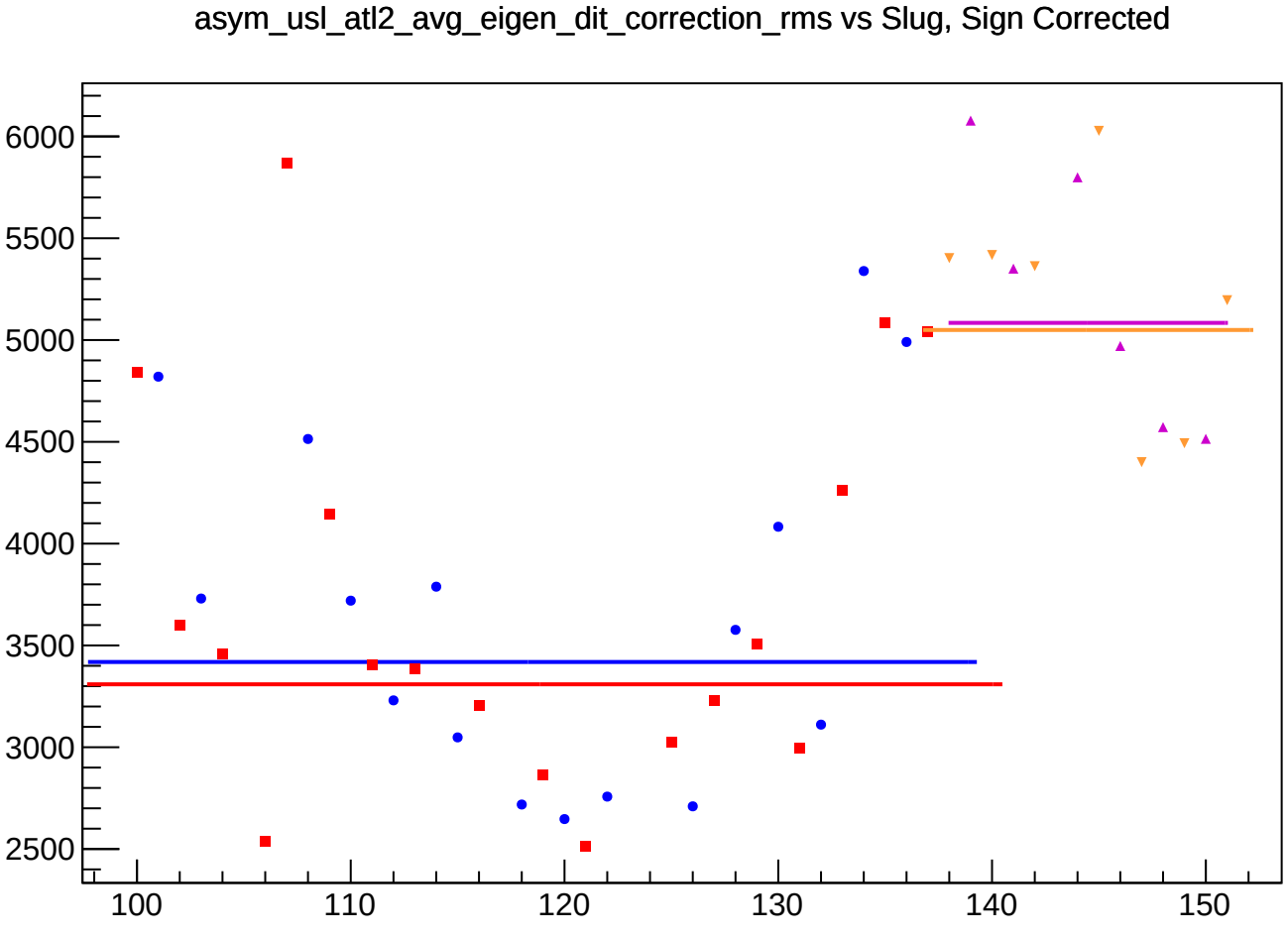
Left: 1419.647+/-1567.992 χ^2/NDF: 12.4/12

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -118.990+/-1129.356 χ^2/NDF:17.4/21

Out: 1013.921+/-1085.488 χ^2/NDF:30.4/24

All: 469.896+/-782.605 χ^2/NDF: 48.3/46



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5049.420+/-1.556 χ^2/NDF:122630.8/6

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5084.320+/-1.581 χ^2/NDF:126720.9/5

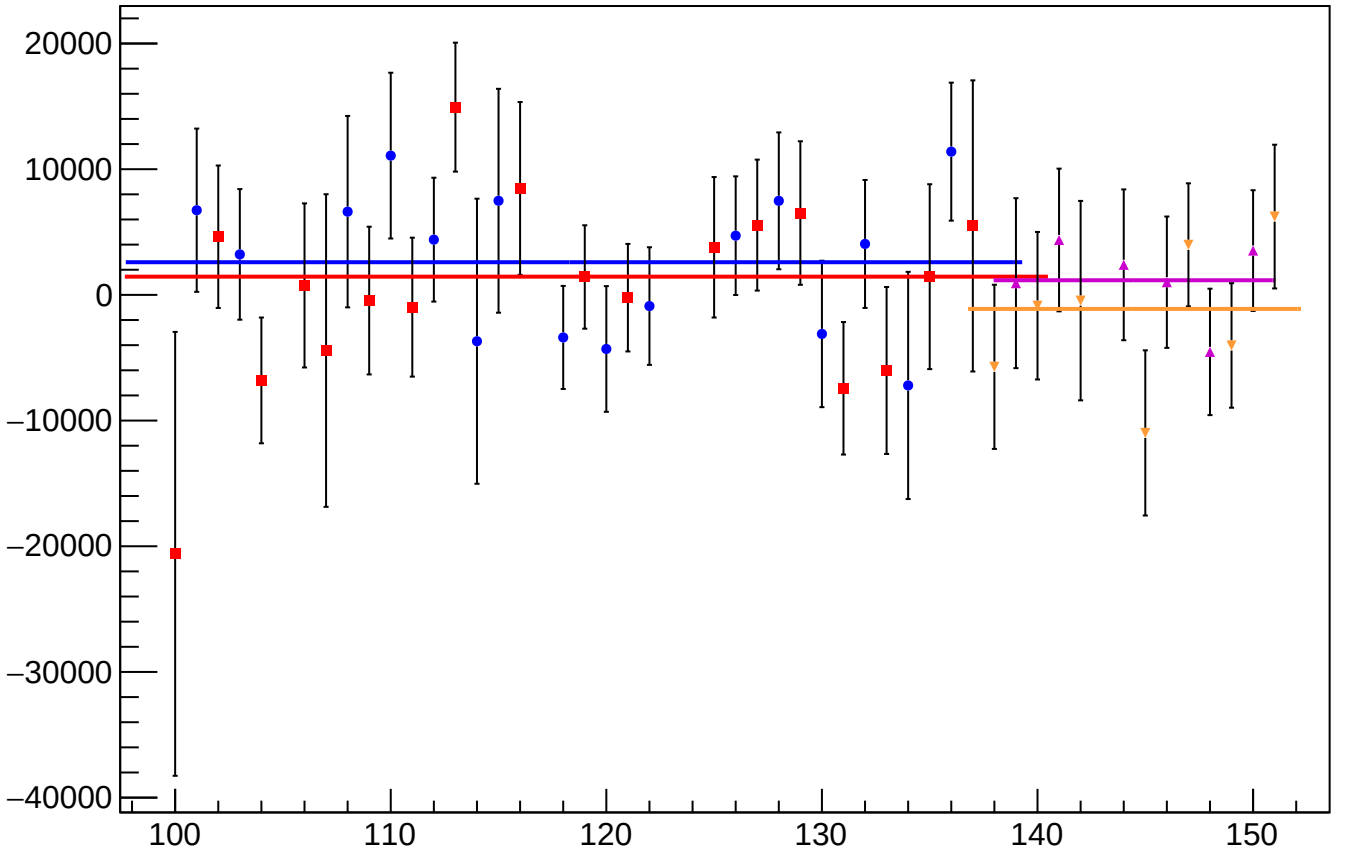
Left: 5066.594+/-1.109 χ^2/NDF: 249599.3/12

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3843.902+/-0.799 χ^2/NDF:1675015.2/21

Out: 3732.714+/-0.768 χ^2/NDF:1641328.5/24

All: 3786.107+/-0.553 χ^2/NDF: 3326420.3/46



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -1115.150+/-2210.847 χ^2/NDF:5.8/6

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1163.688+/-2234.911 χ^2/NDF:1.9/5

Left: 11.934+/-1571.744 χ^2/NDF: 8.3/12

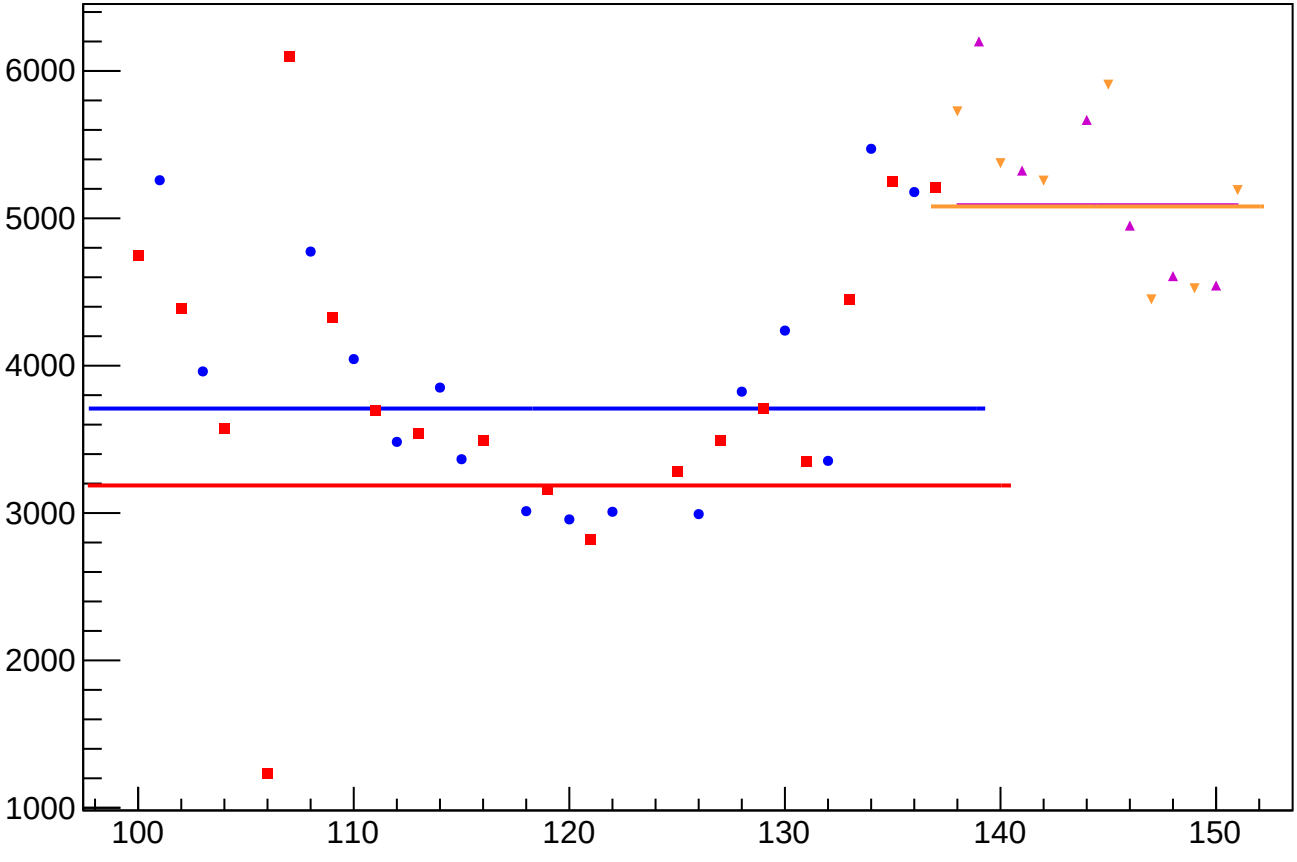
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2188.933+/-1195.224 χ^2/NDF:15.7/21

Out: 728.974+/-1172.380 χ^2/NDF:25.9/24

All: 1444.868+/-836.957 χ^2/NDF: 42.3/46

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5080.625+/-1.563 χ^2/NDF:116189.4/6

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5088.907+/-1.580 χ^2/NDF:121579.5/5

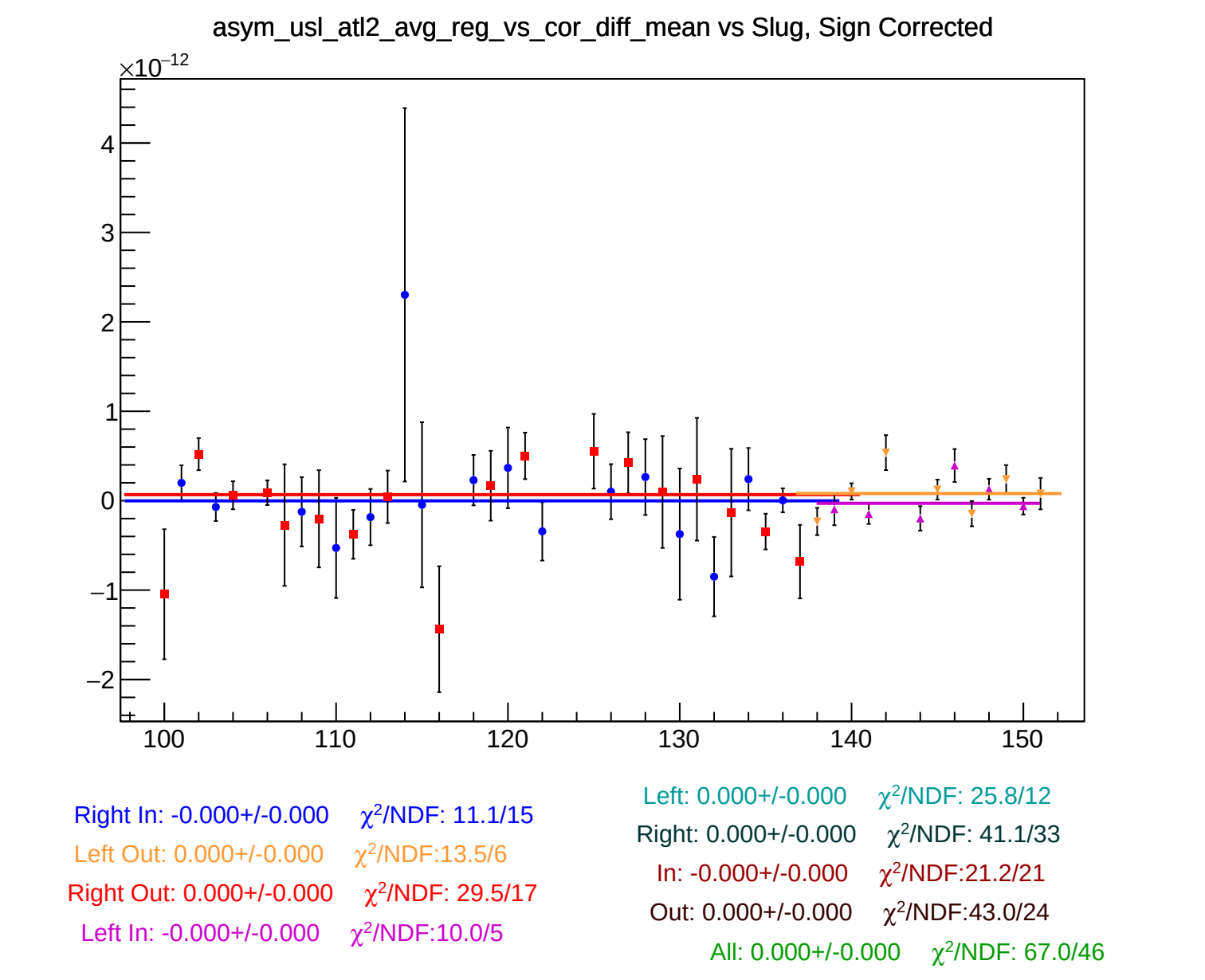
Left: 5084.721+/-1.111 χ^2/NDF: 237782.8/12

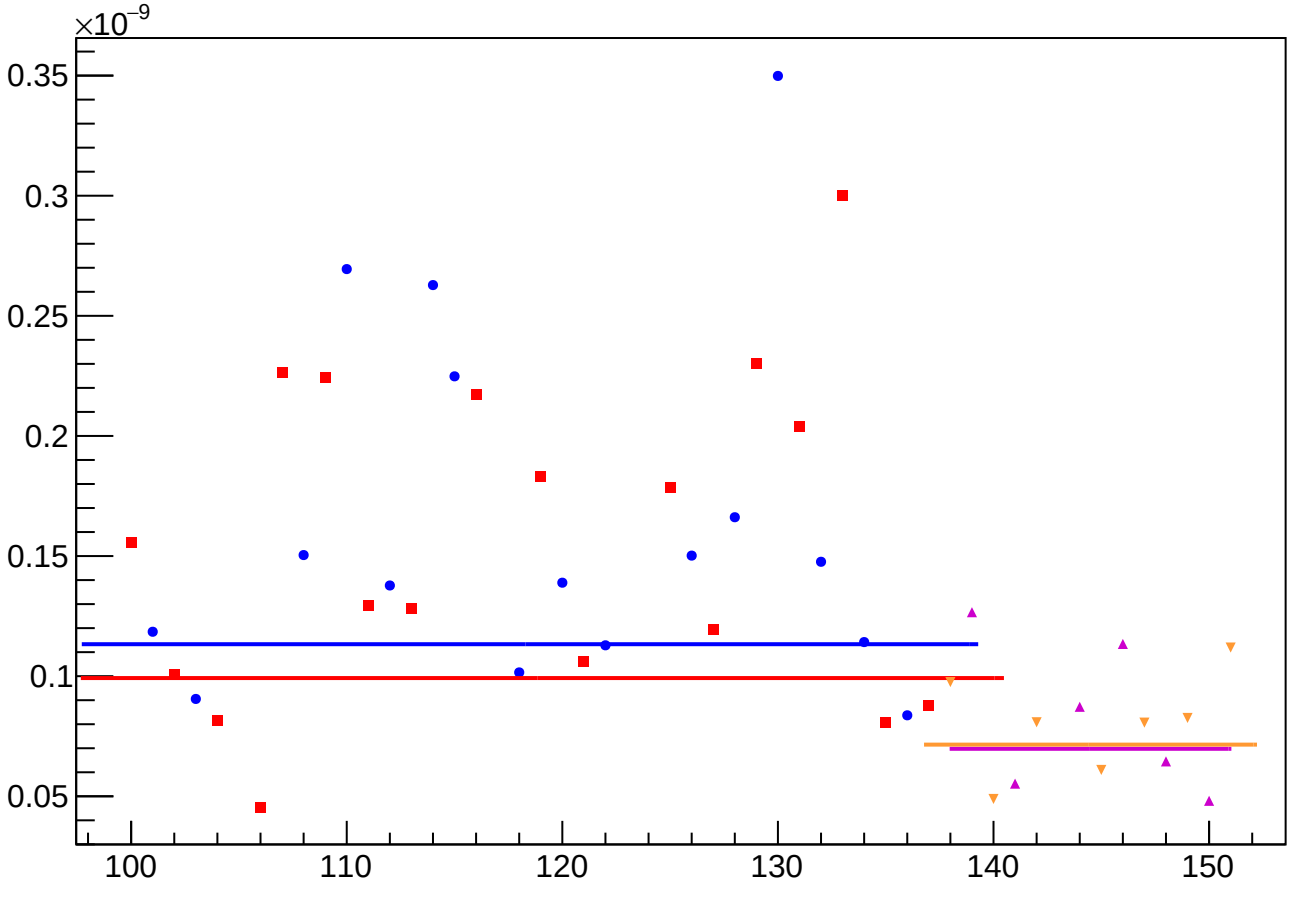
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4103.773+/-0.845 χ^2/NDF:1276475.6/21

Out: 3655.037+/-0.777 χ^2/NDF:2831484.8/24

All: 3860.611+/-0.572 χ^2/NDF: 4260724.3/46


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:13.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:10.0/5
Left: 0.000+/-0.000 χ²/NDF: 25.8/12
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:21.2/21
Out: 0.000+/-0.000 χ²/NDF:43.0/24
All: 0.000+/-0.000 χ²/NDF: 67.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:328861.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:494741.9/5

Left: 0.000+/-0.000 χ^2/NDF: 824782.5/12

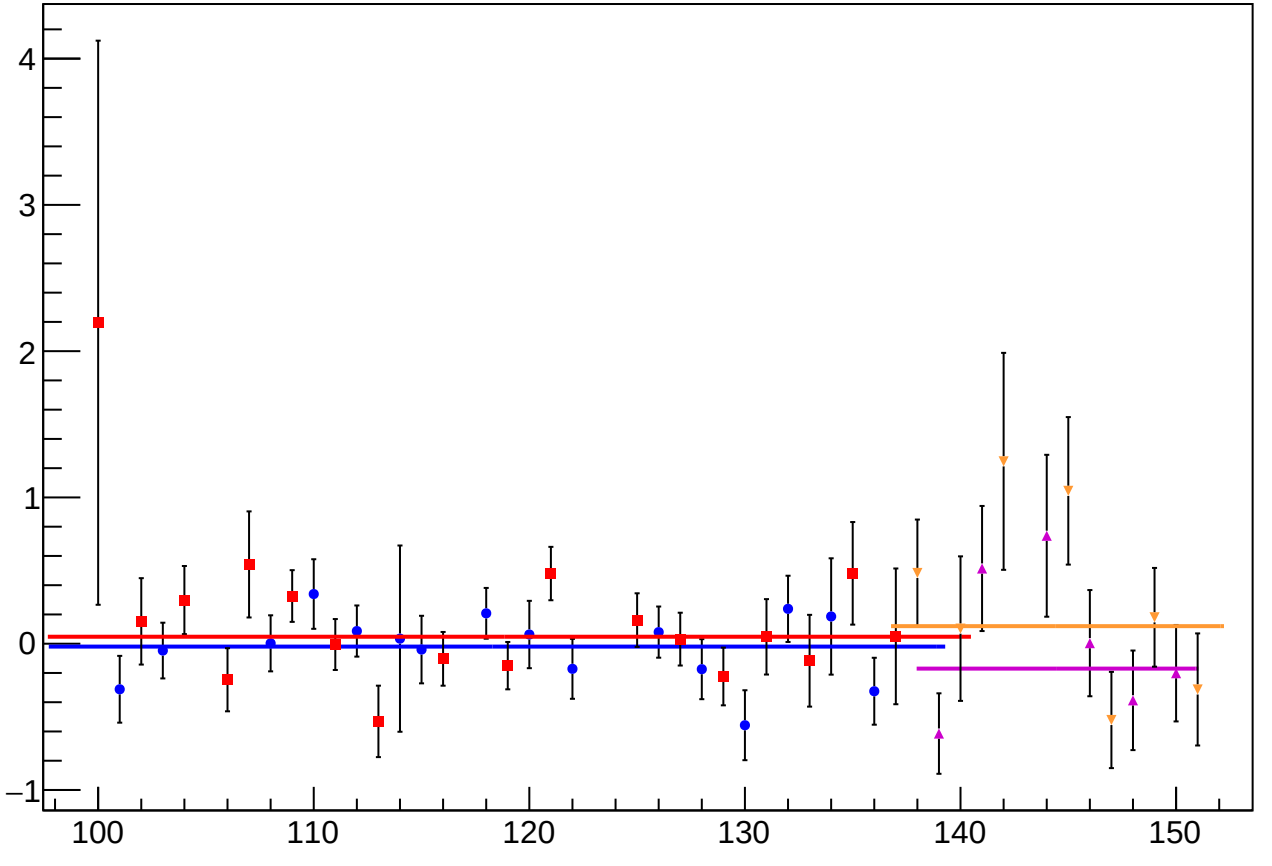
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1651348.9/21

Out: 0.000+/-0.000 χ^2/NDF:1653743.1/24

All: 0.000+/-0.000 χ^2/NDF: 3310544.3/46

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: 0.120+/-0.154 χ^2/NDF:11.8/6

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.170+/-0.145 χ^2/NDF:8.5/5

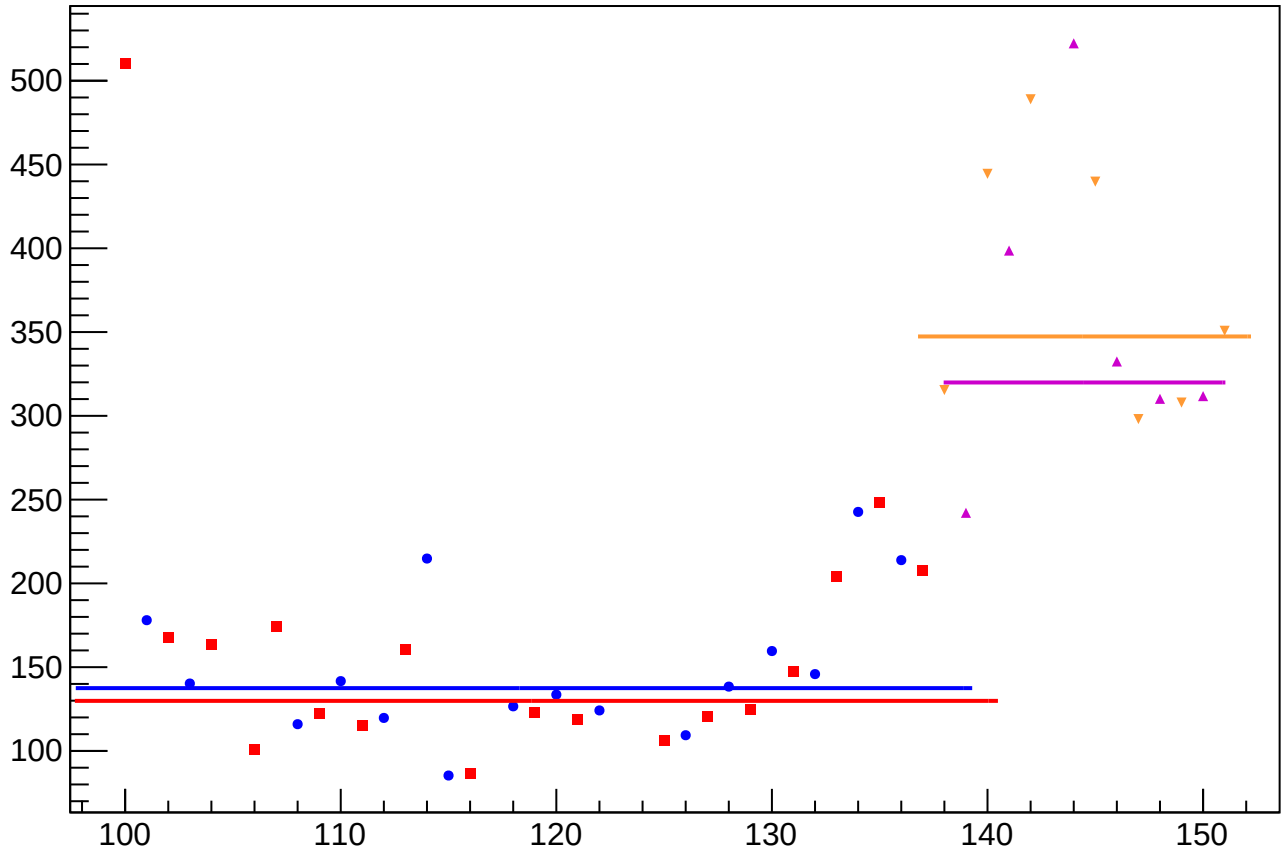
Left: -0.034+/-0.106 χ^2/NDF: 22.2/12

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.051 χ^2/NDF:25.5/21

Out: 0.055+/-0.050 χ^2/NDF:38.3/24

All: 0.010+/-0.036 χ^2/NDF: 65.5/46



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 347.373+/-0.109 χ^2/NDF:304954.8/6

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 319.909+/-0.103 χ^2/NDF:500376.3/5

Left: 332.845+/-0.075 χ^2/NDF: 838985.9/12

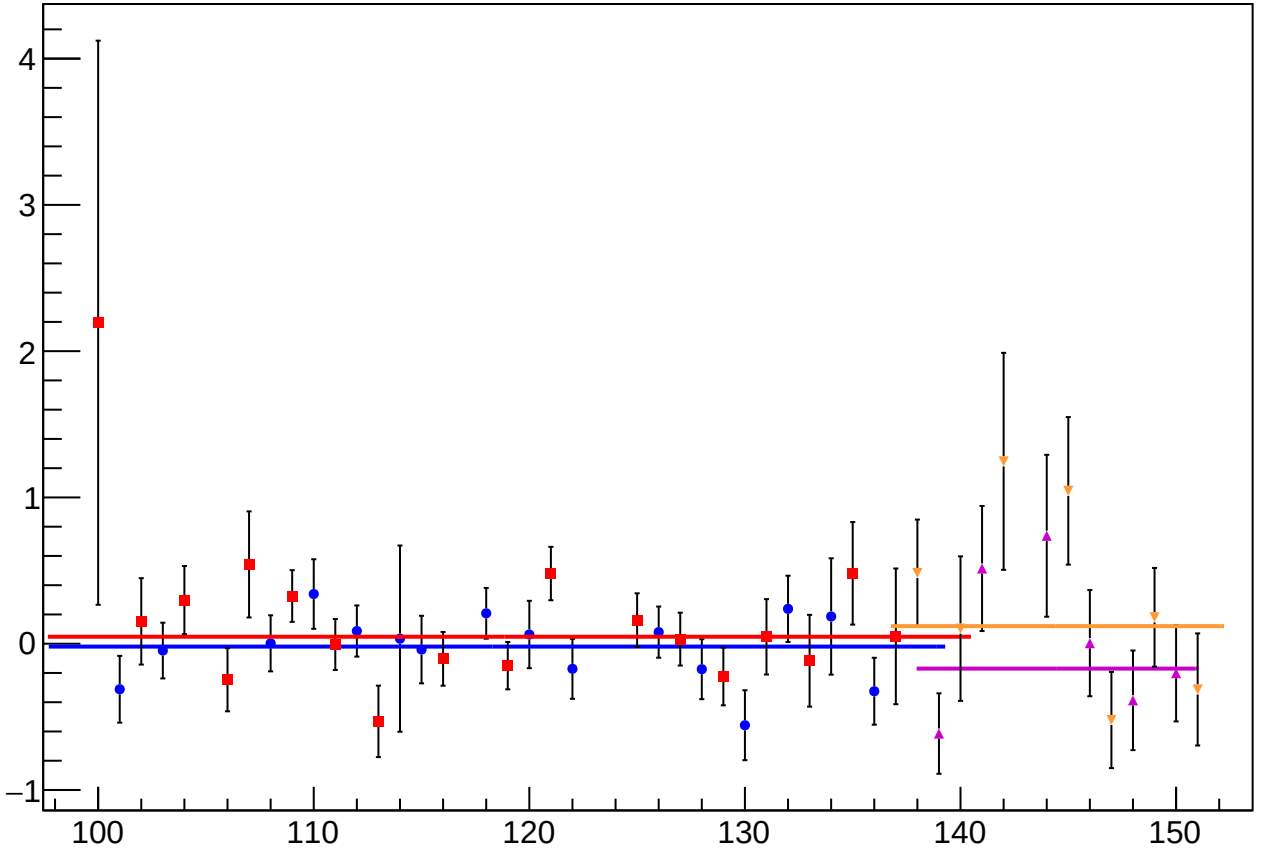
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 159.778+/-0.036 χ^2/NDF:3960406.0/21

Out: 152.532+/-0.035 χ^2/NDF:4713393.5/24

All: 156.076+/-0.025 χ^2/NDF: 8694597.6/46

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: 0.120+/-0.154 χ^2/NDF:11.8/6

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.170+/-0.145 χ^2/NDF:8.5/5

Left: -0.034+/-0.106 χ^2/NDF: 22.2/12

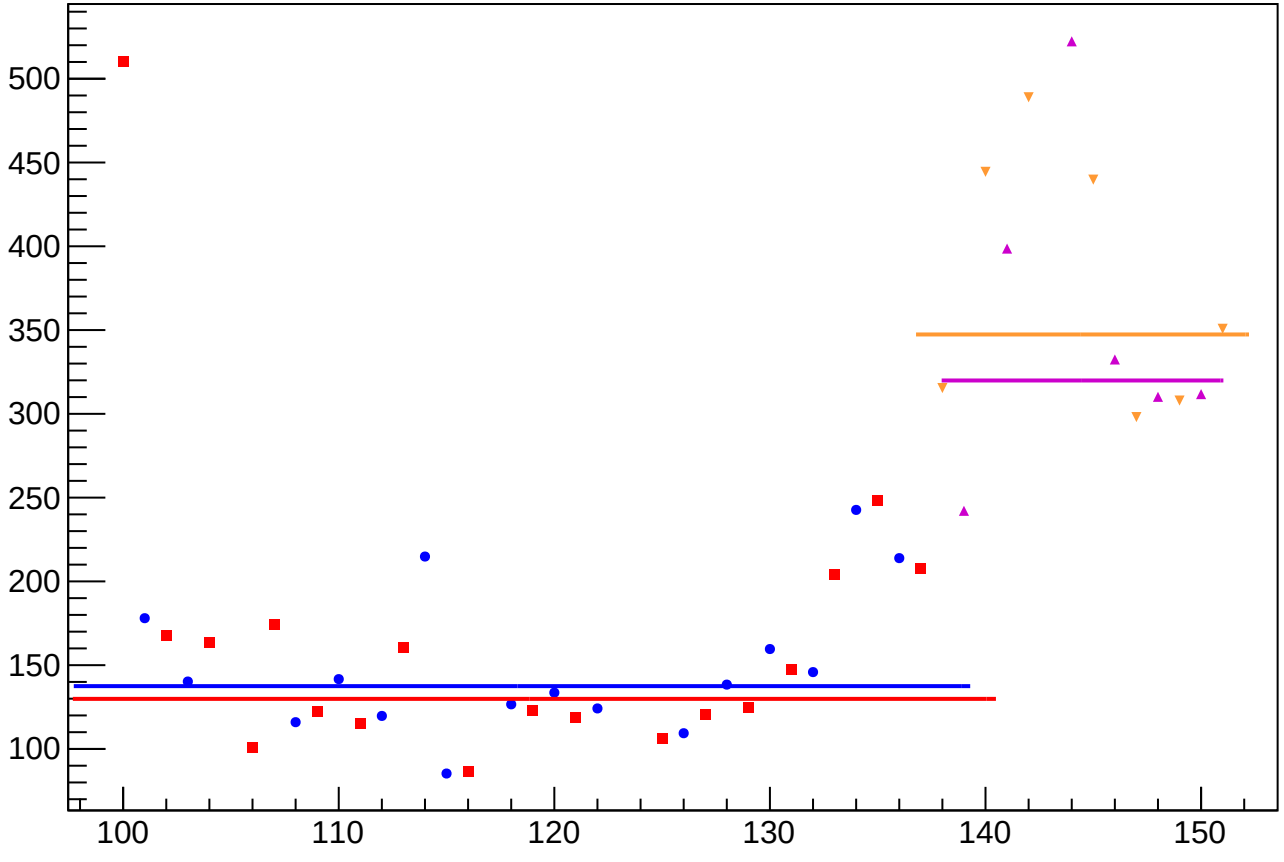
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.051 χ^2/NDF:25.5/21

Out: 0.055+/-0.050 χ^2/NDF:38.3/24

All: 0.010+/-0.036 χ^2/NDF: 65.5/46

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 347.373+/-0.109 χ^2/NDF:304954.8/6

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 319.909+/-0.103 χ^2/NDF:500376.3/5

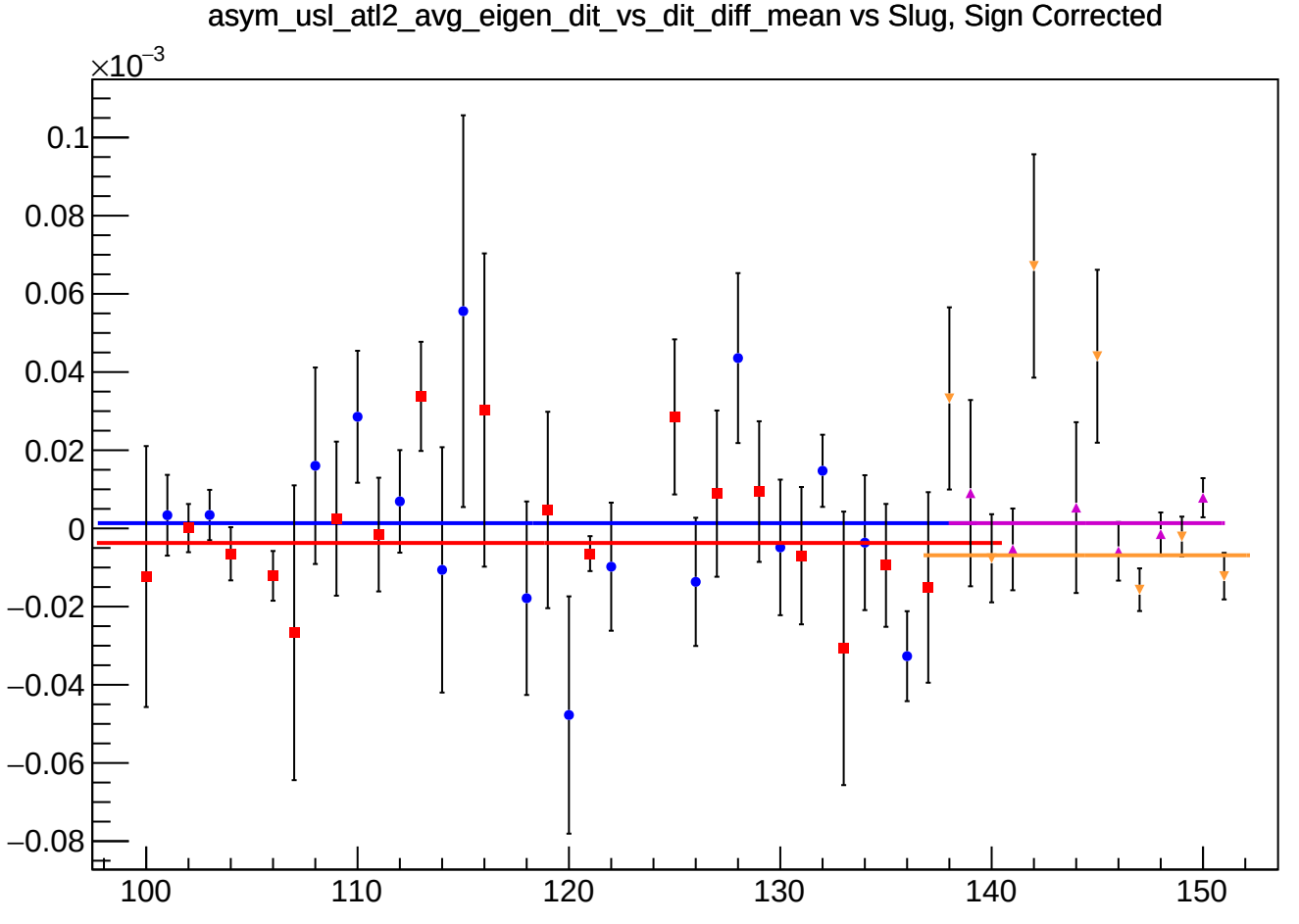
Left: 332.845+/-0.075 χ^2/NDF: 838985.9/12

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

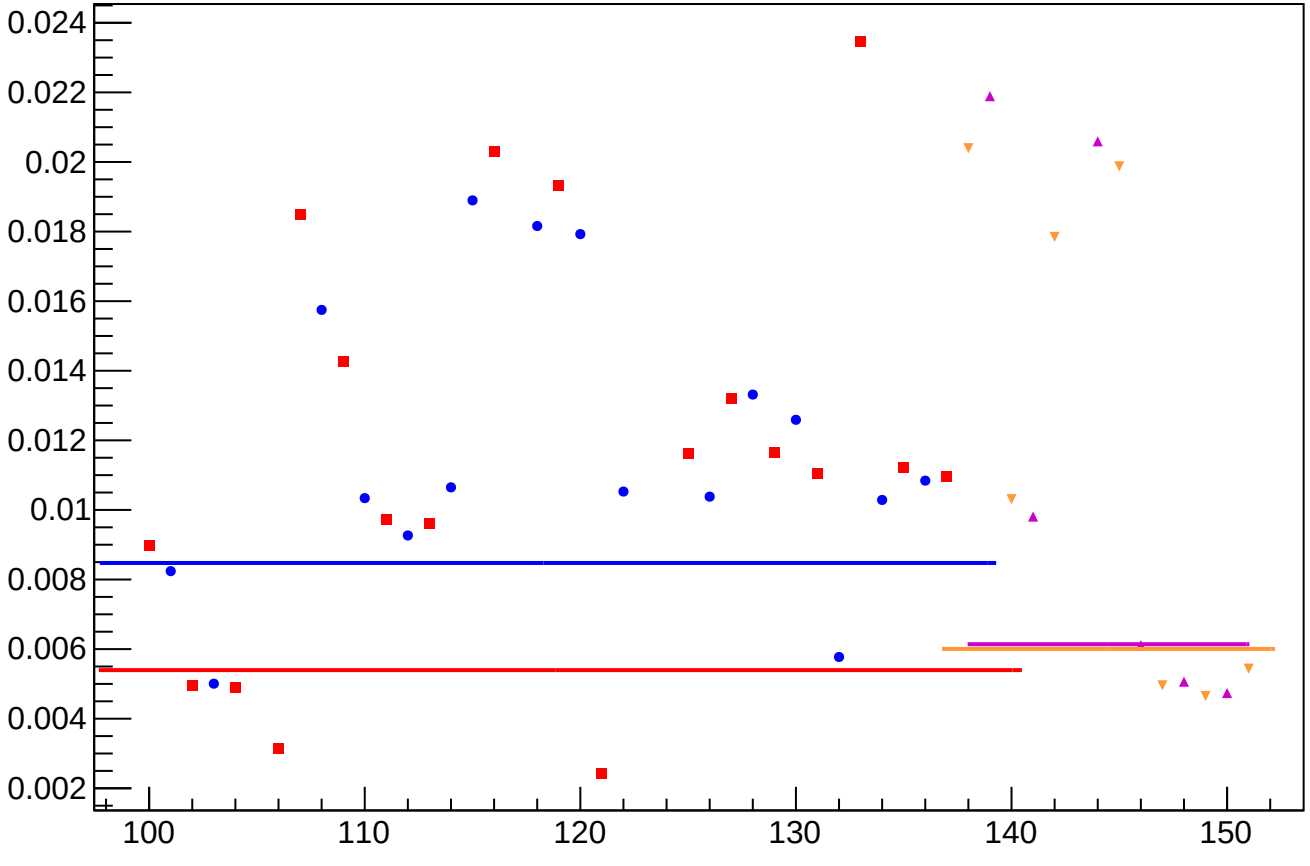
In: 159.778+/-0.036 χ^2/NDF:3960406.0/21

Out: 152.532+/-0.035 χ^2/NDF:4713393.5/24

All: 156.076+/-0.025 χ^2/NDF: 8694597.6/46


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:19.3/6
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:3.4/5
Left: -0.000+/-0.000 χ²/NDF: 26.3/12
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:27.4/21
Out: -0.000+/-0.000 χ²/NDF:35.7/24
All: -0.000+/-0.000 χ²/NDF: 67.6/46

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:2416854.0/6

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.006+/-0.000 χ^2/NDF:2228479.0/5

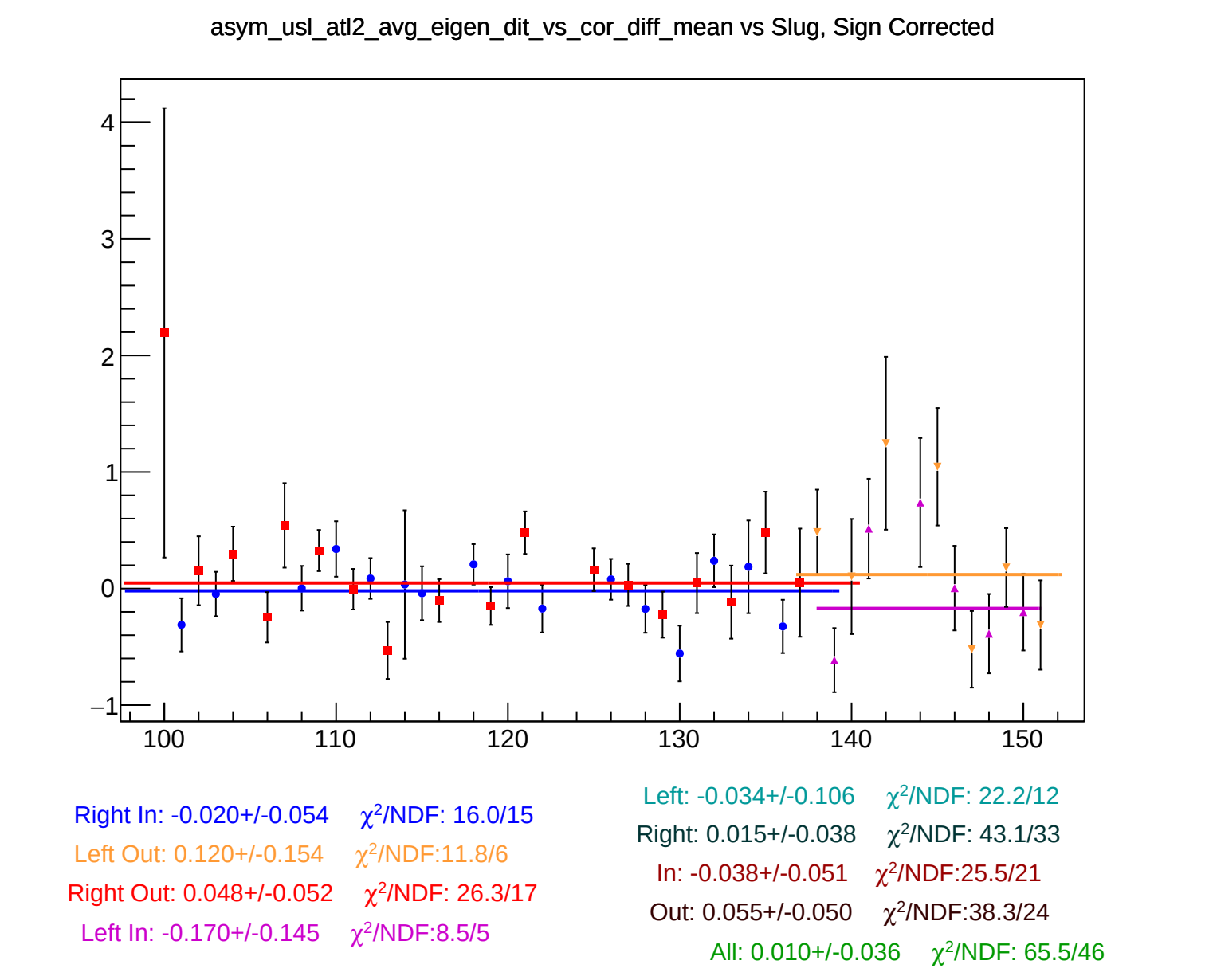
Left: 0.006+/-0.000 χ^2/NDF: 4647303.7/12

Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

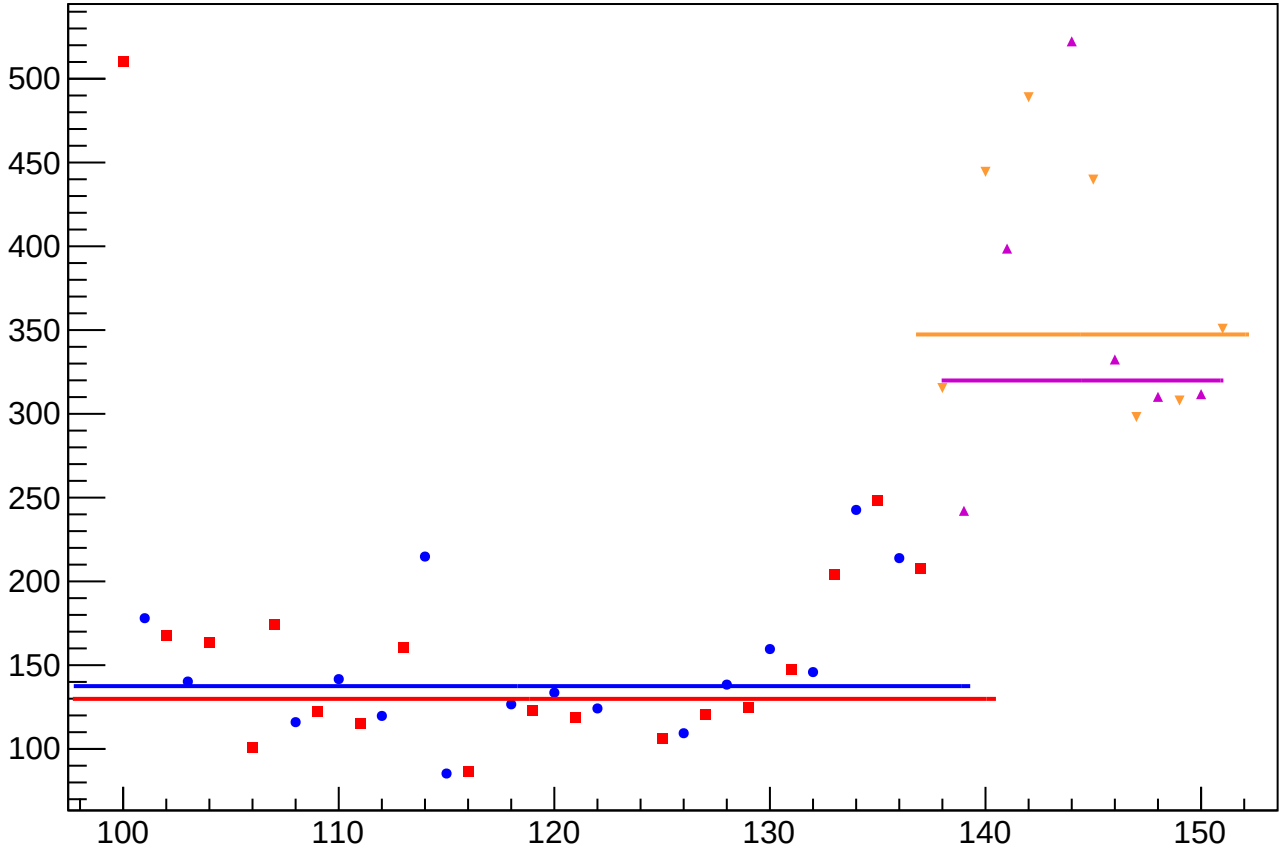
In: 0.007+/-0.000 χ^2/NDF:4660143.1/21

Out: 0.006+/-0.000 χ^2/NDF:7374709.2/24

All: 0.006+/-0.000 χ^2/NDF: 12556831.5/46


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: 0.120+/-0.154 χ²/NDF:11.8/6
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.170+/-0.145 χ²/NDF:8.5/5
Left: -0.034+/-0.106 χ²/NDF: 22.2/12
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.038+/-0.051 χ²/NDF:25.5/21
Out: 0.055+/-0.050 χ²/NDF:38.3/24
All: 0.010+/-0.036 χ²/NDF: 65.5/46

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 347.375+/-0.109 χ^2/NDF:304981.4/6

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 319.913+/-0.103 χ^2/NDF:500358.2/5

Left: 332.849+/-0.075 χ^2/NDF: 838988.9/12

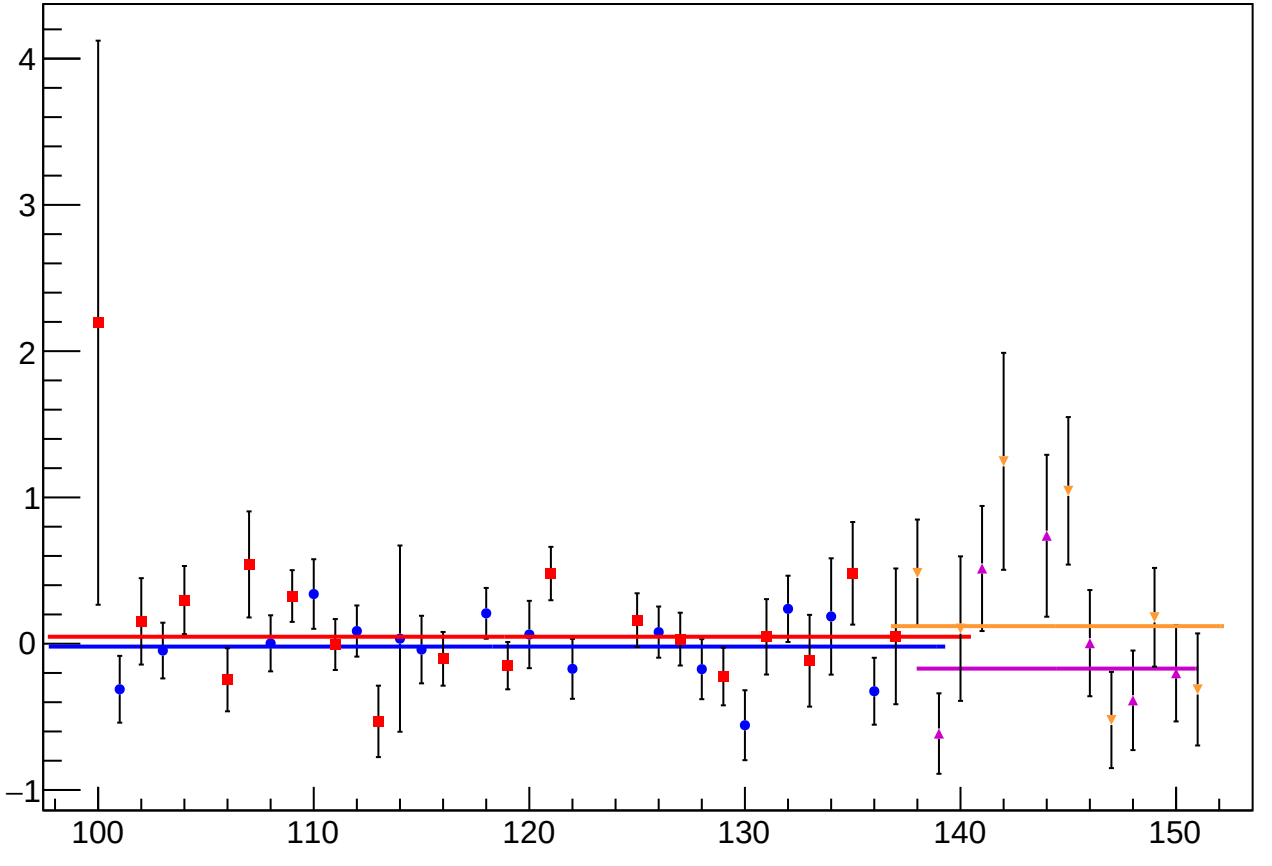
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 159.778+/-0.036 χ^2/NDF:3960438.6/21

Out: 152.532+/-0.035 χ^2/NDF:4713404.5/24

All: 156.075+/-0.025 χ^2/NDF: 8694640.9/46

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: 0.120+/-0.154 χ^2/NDF:11.8/6

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.170+/-0.145 χ^2/NDF:8.5/5

Left: -0.034+/-0.106 χ^2/NDF: 22.2/12

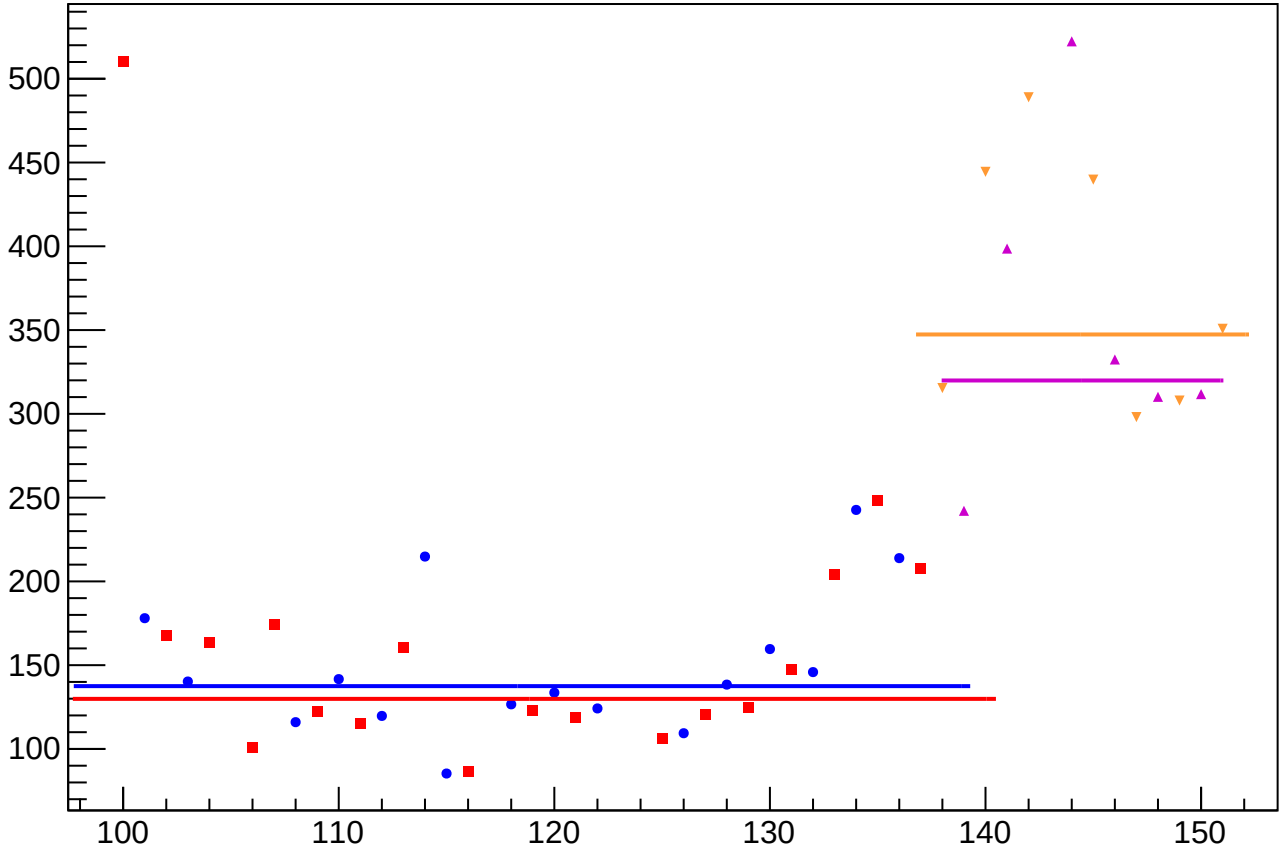
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.051 χ^2/NDF:25.5/21

Out: 0.055+/-0.050 χ^2/NDF:38.3/24

All: 0.010+/-0.036 χ^2/NDF: 65.5/46

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: 347.375+/-0.109 χ^2/NDF:304981.4/6

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 319.913+/-0.103 χ^2/NDF:500358.2/5

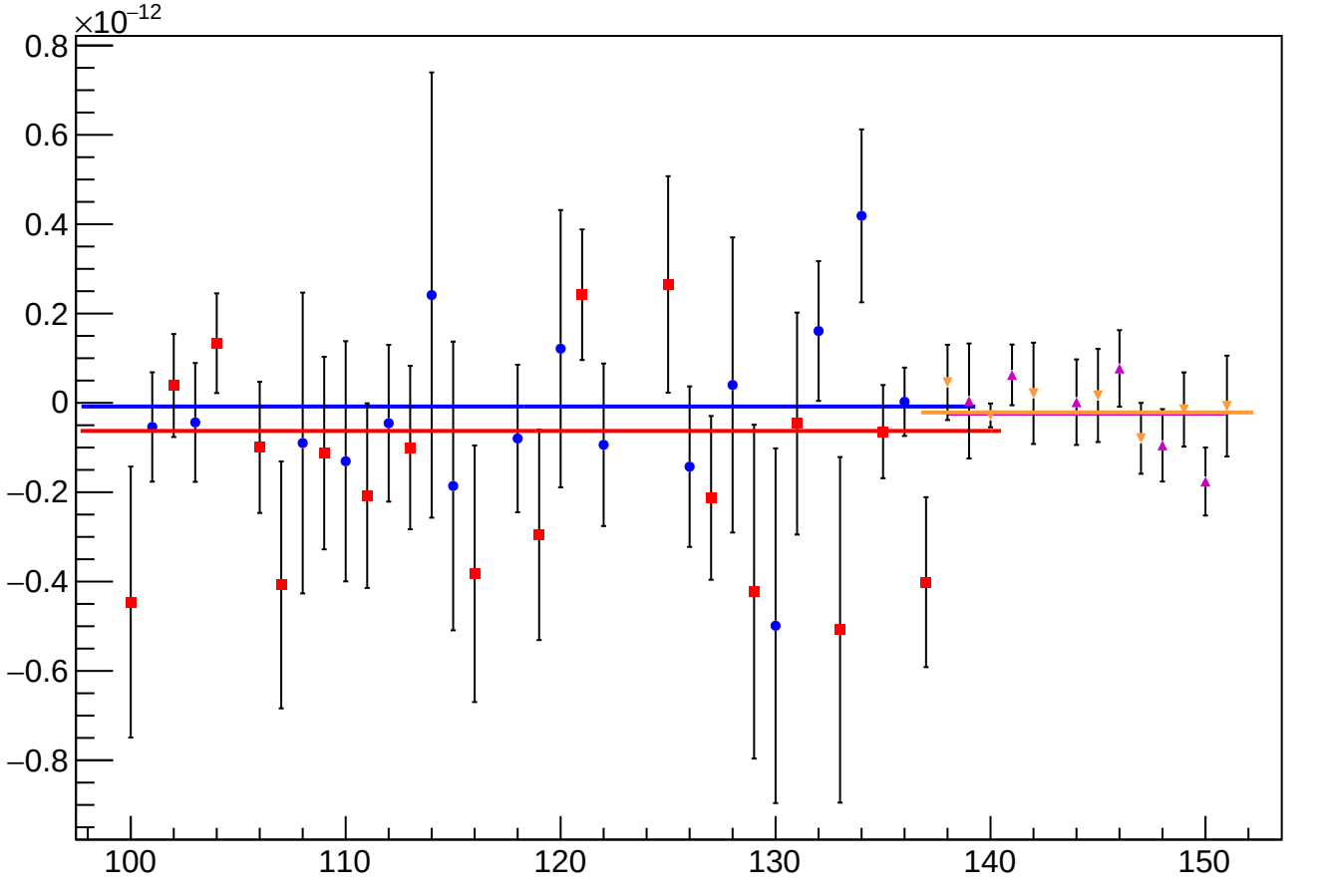
Left: 332.849+/-0.075 χ^2/NDF: 838988.9/12

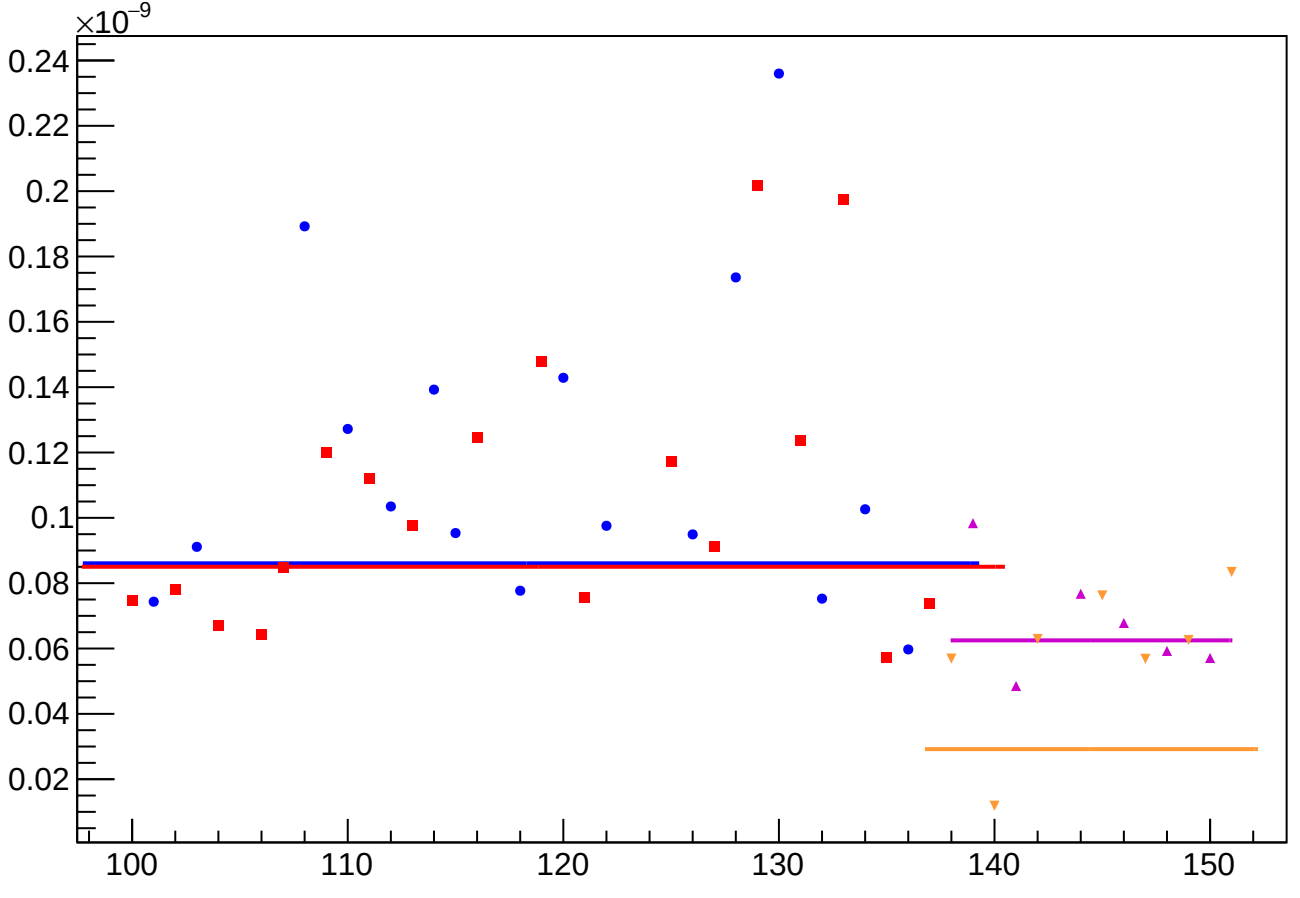
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 159.778+/-0.036 χ^2/NDF:3960438.6/21

Out: 152.532+/-0.035 χ^2/NDF:4713404.5/24

All: 156.075+/-0.025 χ^2/NDF: 8694640.9/46


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.5/6
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:7.9/5
Left: -0.000+/-0.000 χ²/NDF: 9.4/12
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:17.8/21
Out: -0.000+/-0.000 χ²/NDF:24.5/24
All: -0.000+/-0.000 χ²/NDF: 42.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2672959.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:305199.0/5

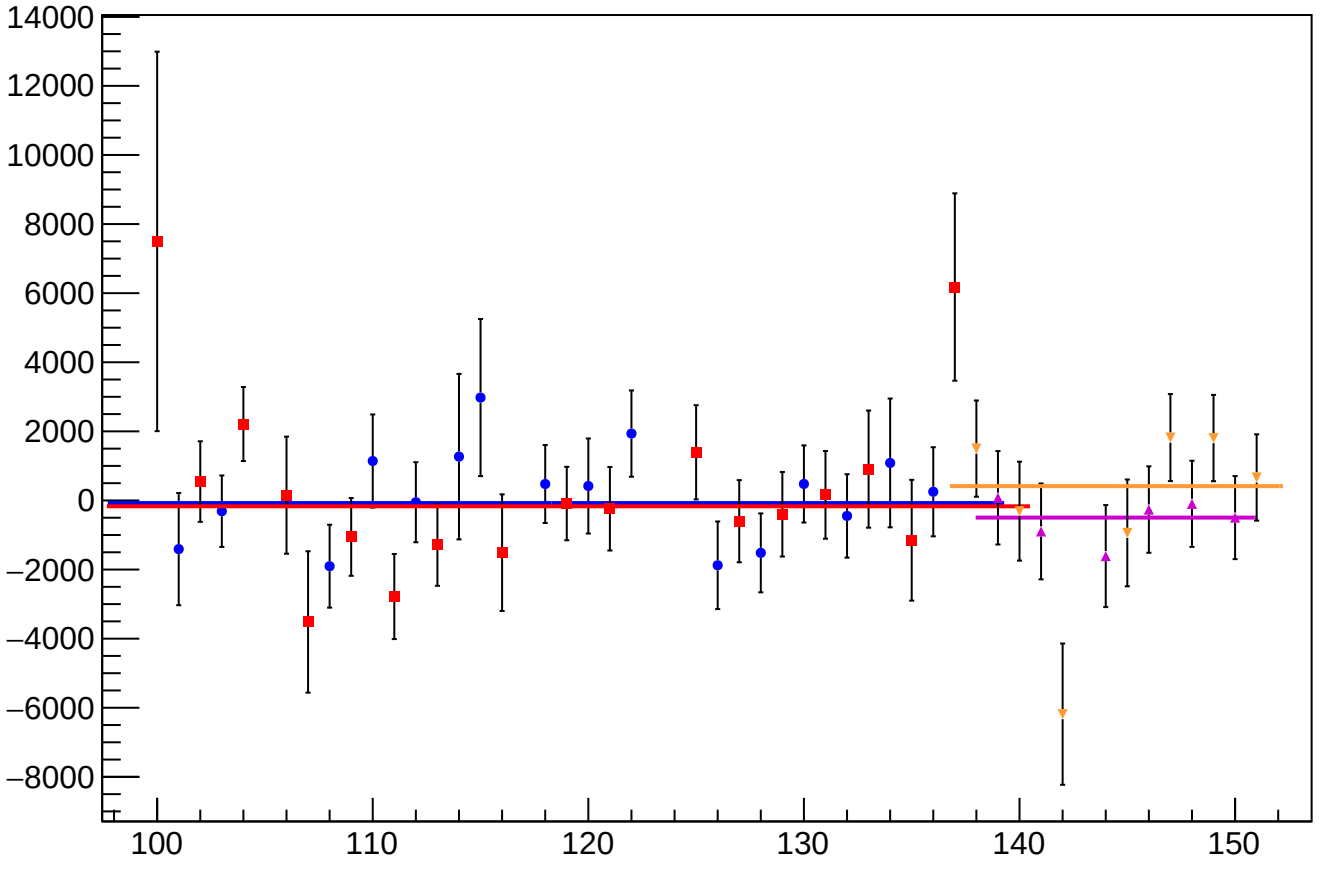
Left: 0.000+/-0.000 χ^2/NDF: 4315099.6/12

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1749811.2/21

Out: 0.000+/-0.000 χ^2/NDF:6464813.2/24

All: 0.000+/-0.000 χ^2/NDF: 9938659.5/46



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 414.283+/-529.056 χ^2/NDF:14.6/6

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -496.175+/-534.456 χ^2/NDF:1.0/5

Left: -36.323+/-375.994 χ^2/NDF: 17.0/12

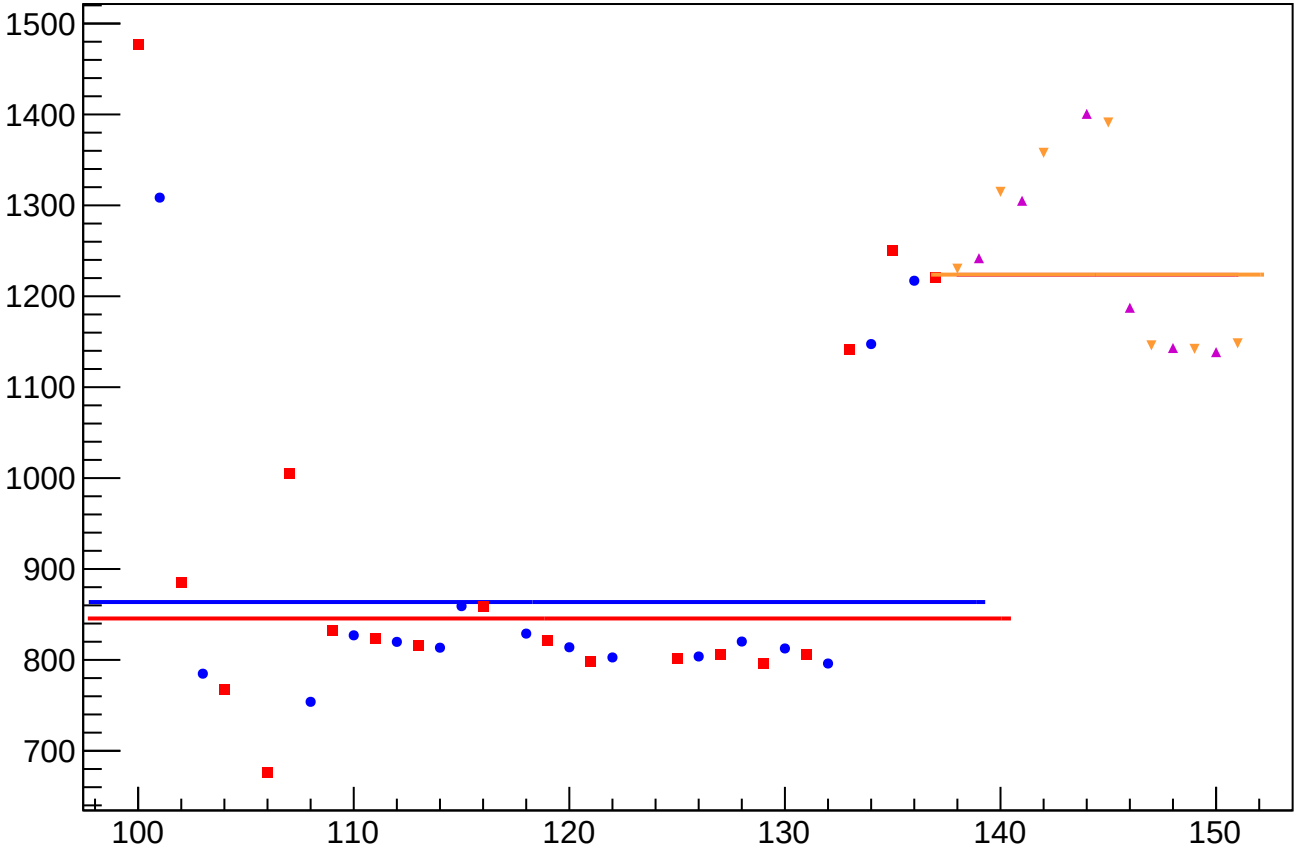
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -190.013+/-278.452 χ^2/NDF:14.8/21

Out: -11.712+/-274.952 χ^2/NDF:39.8/24

All: -99.735+/-195.646 χ^2/NDF: 54.8/46

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1223.826+/-0.374 χ^2/NDF:63660.9/6

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1223.539+/-0.378 χ^2/NDF:56065.8/5

Left: 1223.684+/-0.266 χ^2/NDF: 119727.0/12

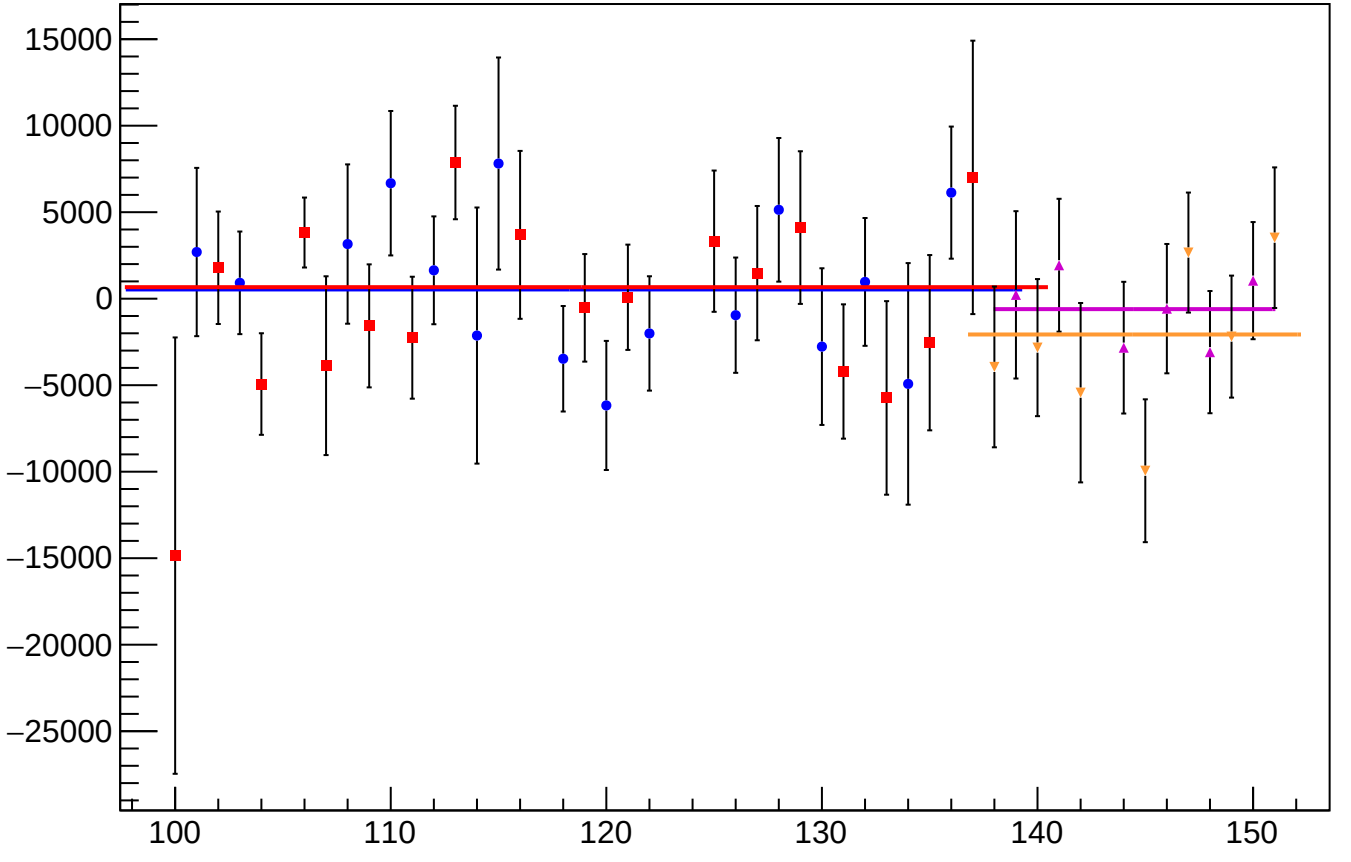
Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 961.347+/-0.197 χ^2/NDF:1124225.6/21

Out: 945.896+/-0.193 χ^2/NDF:1122606.1/24

All: 953.454+/-0.138 χ^2/NDF: 2249977.7/46

asym_usl_atl2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -2068.638+/-1524.956 χ^2/NDF:8.0/6

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -603.193+/-1545.739 χ^2/NDF:1.5/5

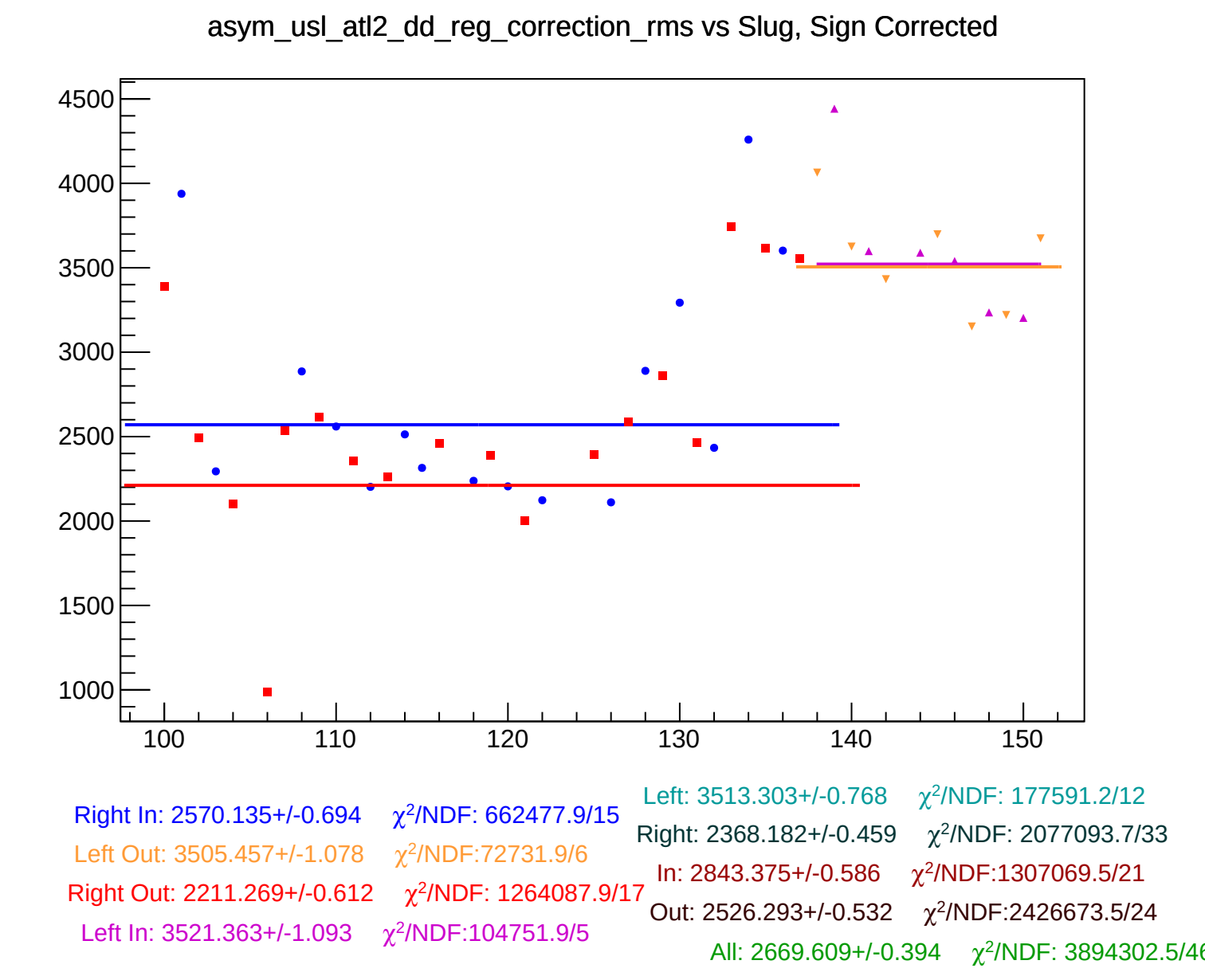
Left: -1345.833+/-1085.580 χ^2/NDF: 10.0/12

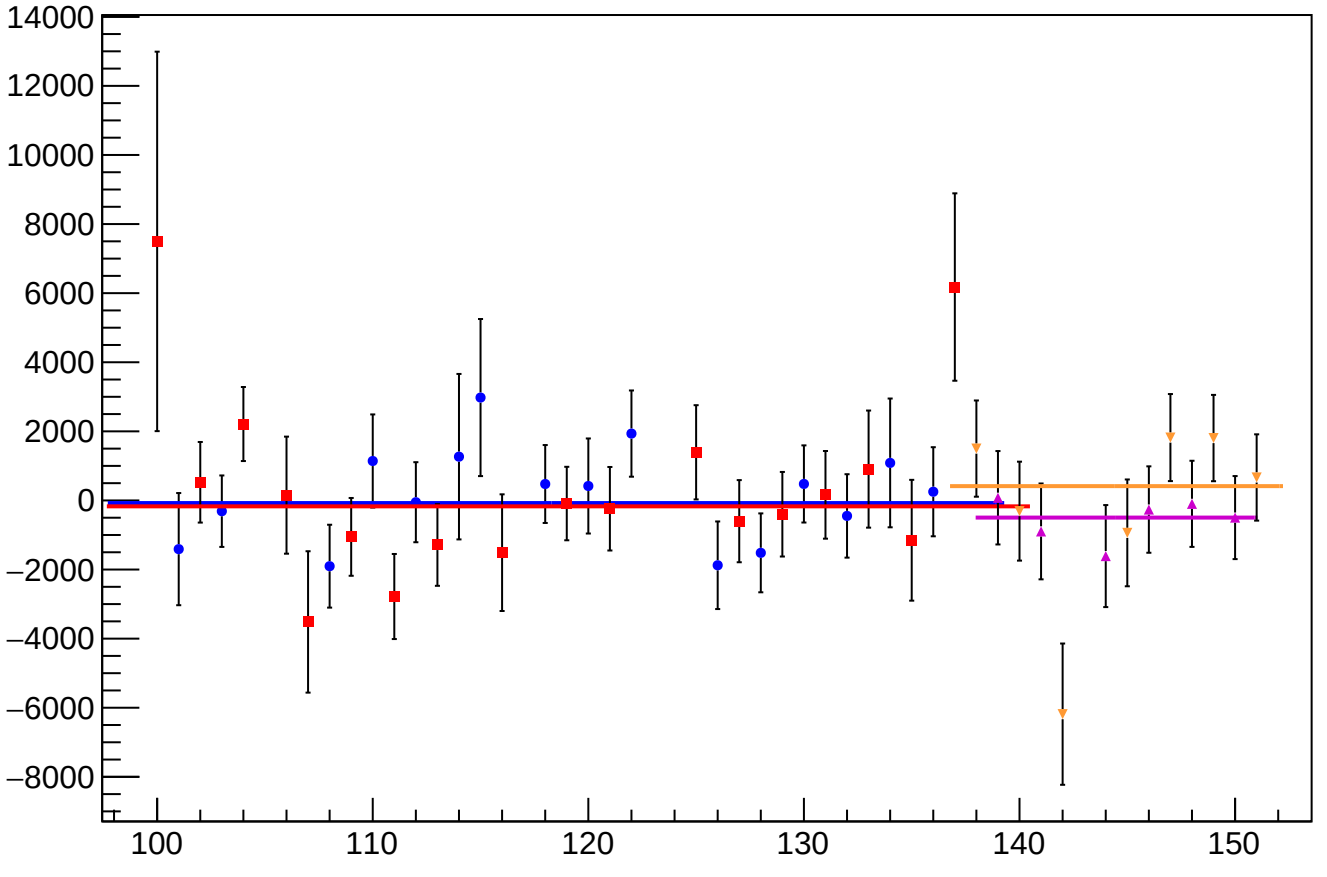
Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 207.703+/-828.450 χ^2/NDF:16.6/21

Out: 0.259+/-752.368 χ^2/NDF:30.4/24

All: 94.020+/-556.964 χ^2/NDF: 47.0/46


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 2570.135+/-0.694 χ²/NDF: 662477.9/15
Left Out: 3505.457+/-1.078 χ²/NDF:72731.9/6
Right Out: 2211.269+/-0.612 χ²/NDF: 1264087.9/17
Left In: 3521.363+/-1.093 χ²/NDF:104751.9/5
Left: 3513.303+/-0.768 χ²/NDF: 177591.2/12
Right: 2368.182+/-0.459 χ²/NDF: 2077093.7/33
In: 2843.375+/-0.586 χ²/NDF:1307069.5/21
Out: 2526.293+/-0.532 χ²/NDF:2426673.5/24
All: 2669.609+/-0.394 χ²/NDF: 3894302.5/46



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 414.246+/-529.056 χ^2/NDF:14.6/6

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -496.209+/-534.456 χ^2/NDF:1.0/5

Left: -36.358+/-375.994 χ^2/NDF: 17.0/12

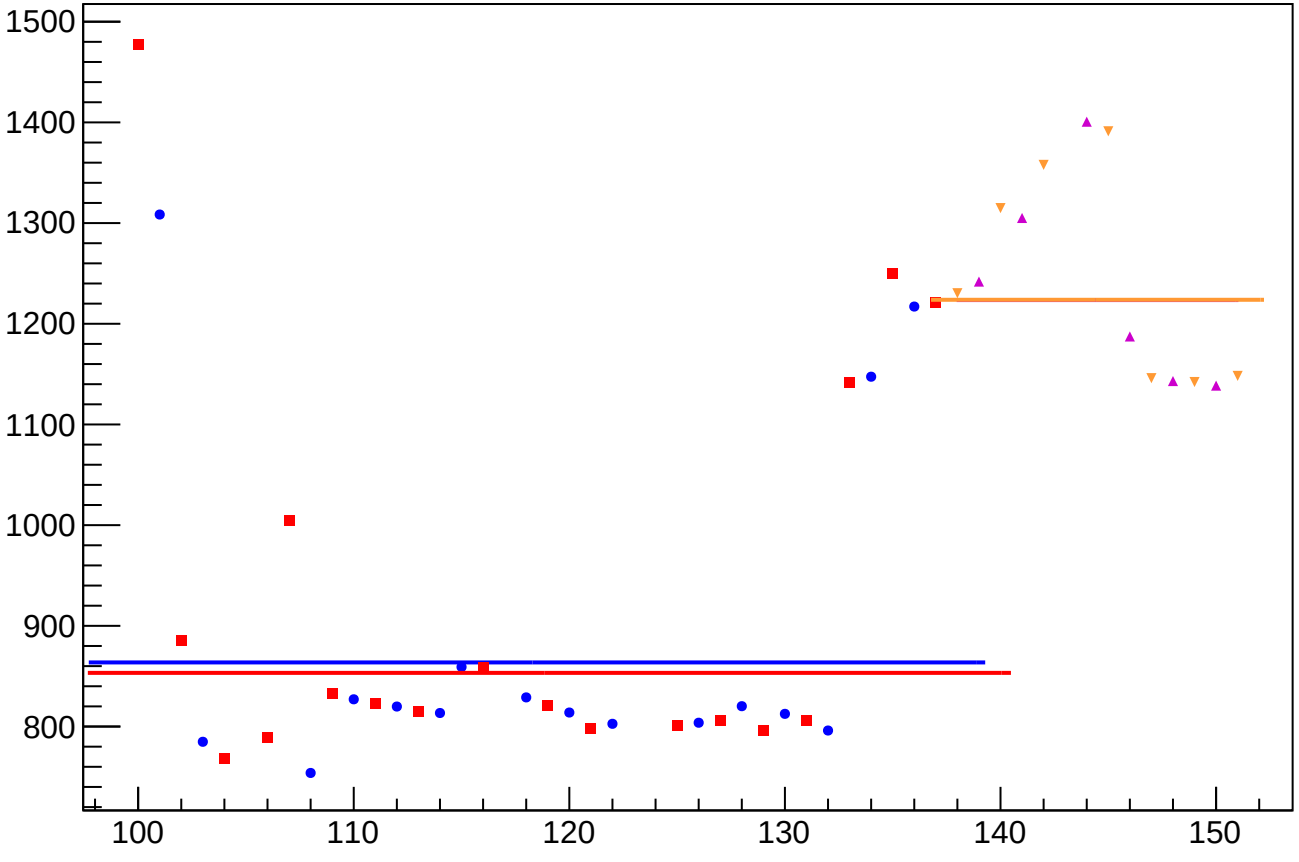
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -190.079+/-278.452 χ^2/NDF:14.8/21

Out: -12.913+/-274.955 χ^2/NDF:39.8/24

All: -100.377+/-195.647 χ^2/NDF: 54.8/46

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1223.826+/-0.374 χ^2/NDF:63660.9/6

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1223.539+/-0.378 χ^2/NDF:56065.8/5

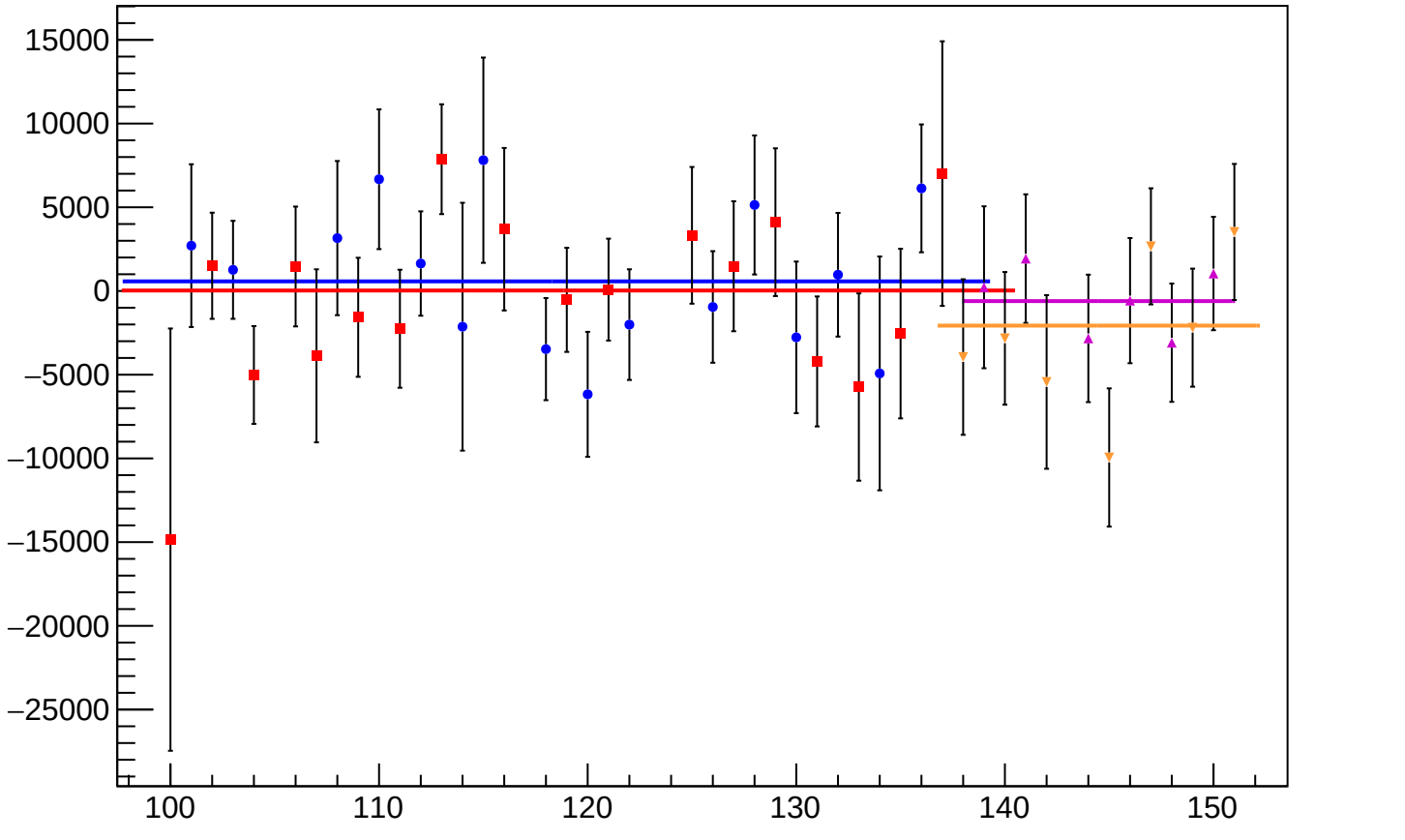
Left: 1223.684+/-0.266 χ^2/NDF: 119727.0/12

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 961.347+/-0.197 χ^2/NDF:1124225.5/21

Out: 952.616+/-0.194 χ^2/NDF:1057084.9/24

All: 956.910+/-0.138 χ^2/NDF: 2182309.8/46



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -2068.696+/-1524.956 χ^2/NDF:8.0/6

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -603.212+/-1545.737 χ^2/NDF:1.5/5

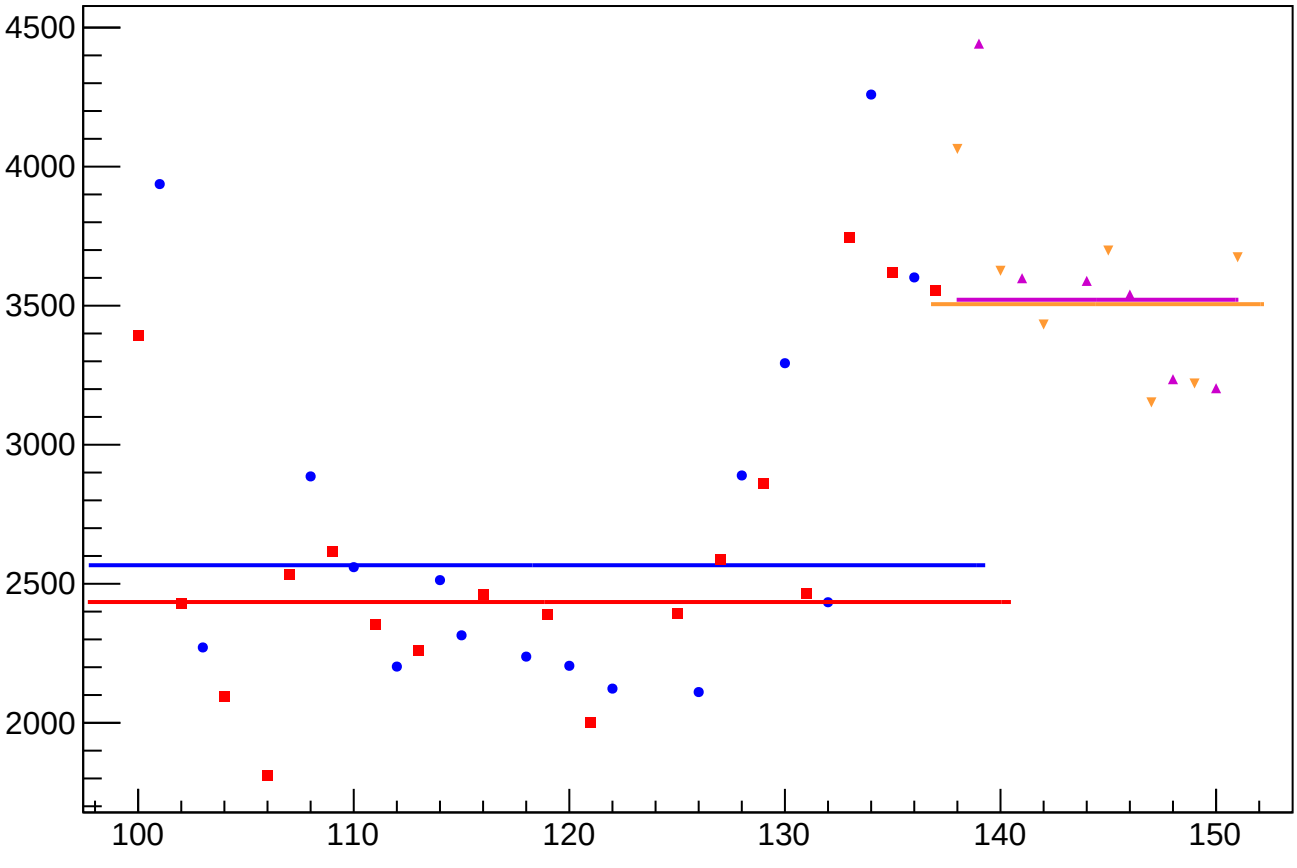
Left: -1345.871+/-1085.579 χ^2/NDF: 10.0/12

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 237.238+/-827.586 χ^2/NDF:16.7/21

Out: -532.934+/-789.072 χ^2/NDF:26.6/24

All: -166.186+/-571.088 χ^2/NDF: 43.7/46



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3505.457+/-1.078 χ^2/NDF:72731.1/6

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3521.359+/-1.093 χ^2/NDF:104752.3/5

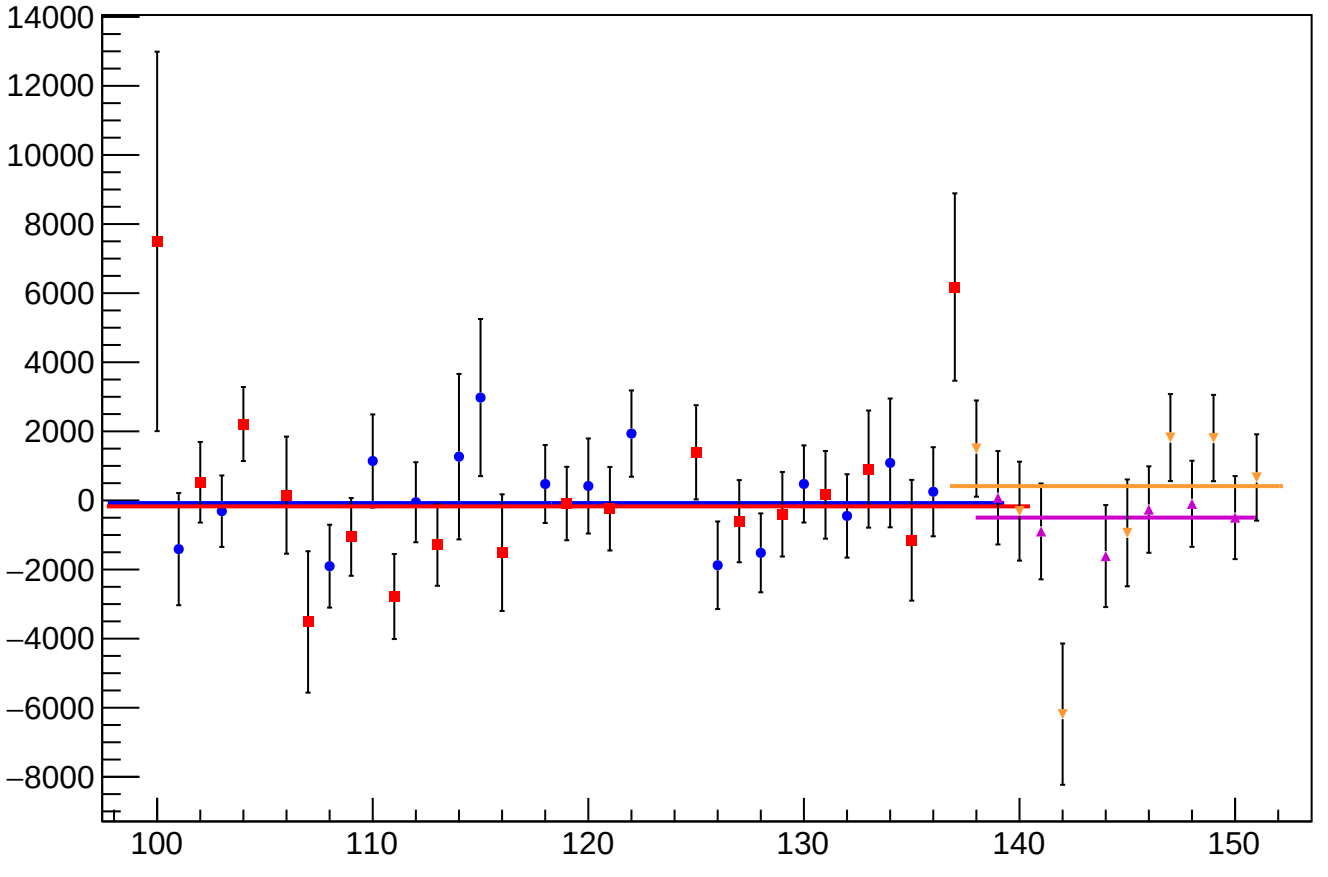
Left: 3513.300+/-0.768 χ^2/NDF: 177590.8/12

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2840.378+/-0.585 χ^2/NDF:1314784.8/21

Out: 2721.190+/-0.558 χ^2/NDF:1229212.1/24

All: 2777.946+/-0.404 χ^2/NDF: 2565725.9/46



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 414.246+/-529.056 χ^2/NDF:14.6/6

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -496.209+/-534.456 χ^2/NDF:1.0/5

Left: -36.358+/-375.994 χ^2/NDF: 17.0/12

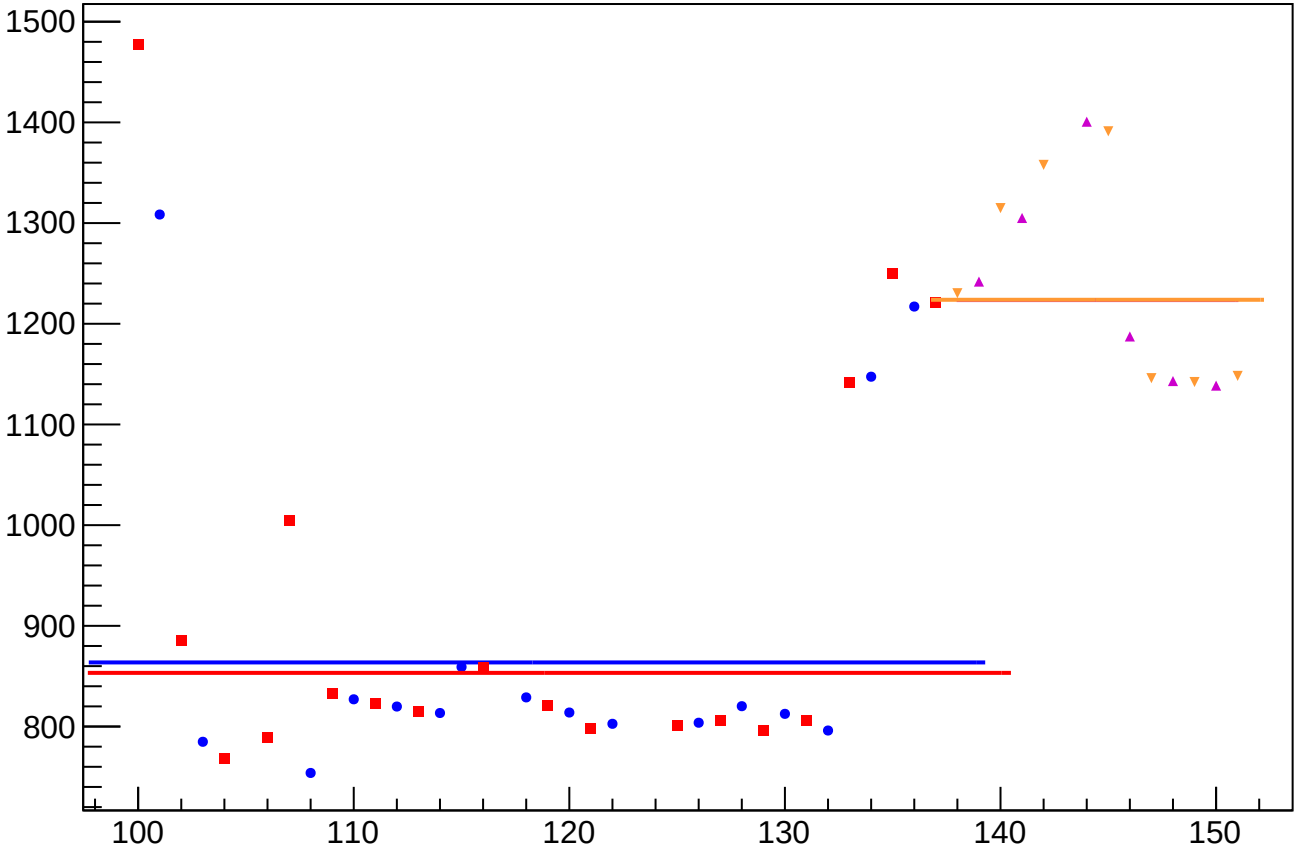
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -190.079+/-278.452 χ^2/NDF:14.8/21

Out: -12.913+/-274.955 χ^2/NDF:39.8/24

All: -100.377+/-195.647 χ^2/NDF: 54.8/46

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1223.826+/-0.374 χ^2/NDF:63660.9/6

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1223.539+/-0.378 χ^2/NDF:56065.8/5

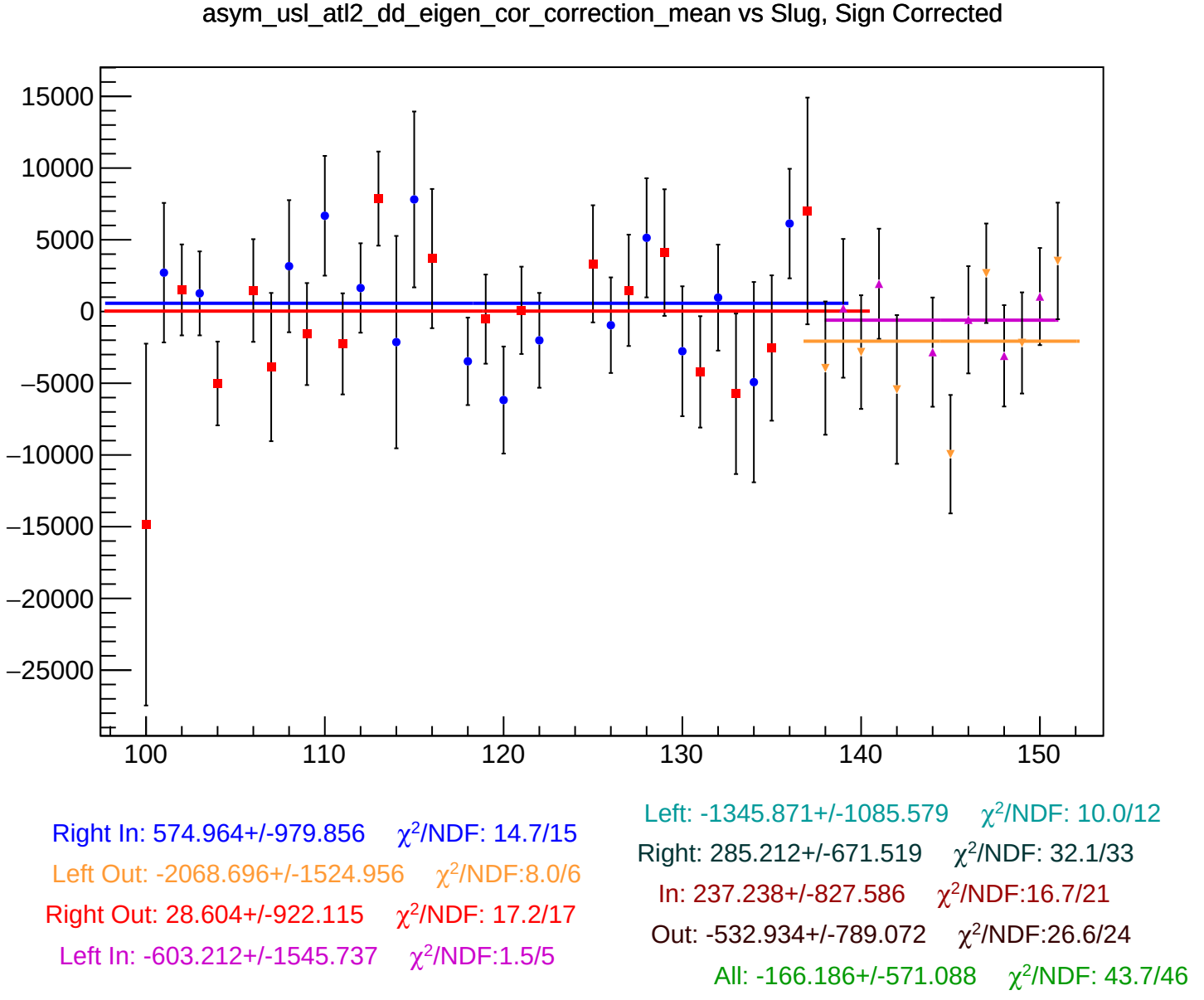
Left: 1223.684+/-0.266 χ^2/NDF: 119727.0/12

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

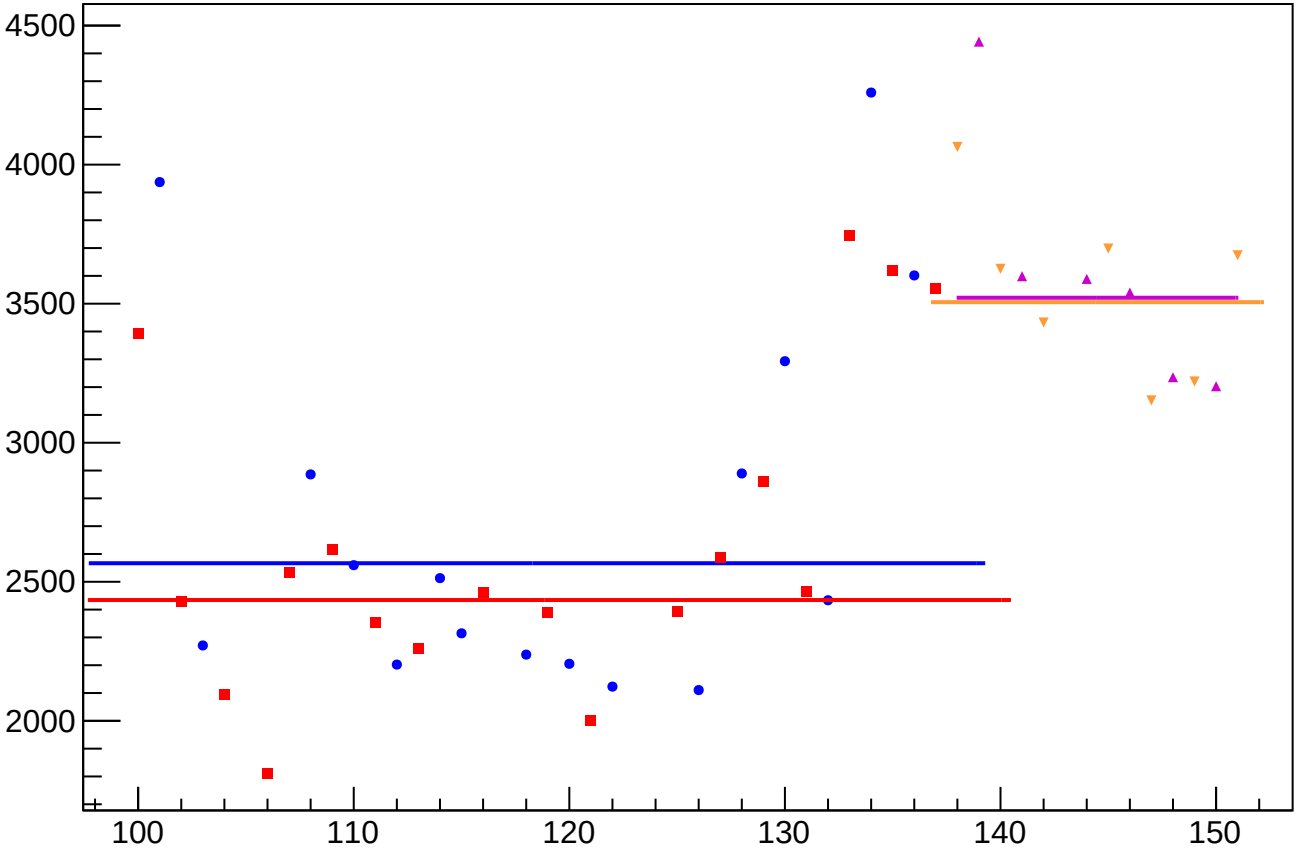
In: 961.347+/-0.197 χ^2/NDF:1124225.5/21

Out: 952.616+/-0.194 χ^2/NDF:1057084.9/24

All: 956.910+/-0.138 χ^2/NDF: 2182309.8/46


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: -2068.696+/-1524.956 χ²/NDF:8.0/6
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -603.212+/-1545.737 χ²/NDF:1.5/5
Left: -1345.871+/-1085.579 χ²/NDF: 10.0/12
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 237.238+/-827.586 χ²/NDF:16.7/21
Out: -532.934+/-789.072 χ²/NDF:26.6/24
All: -166.186+/-571.088 χ²/NDF: 43.7/46

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: 3505.457+/-1.078 χ^2/NDF:72731.1/6

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3521.359+/-1.093 χ^2/NDF:104752.3/5

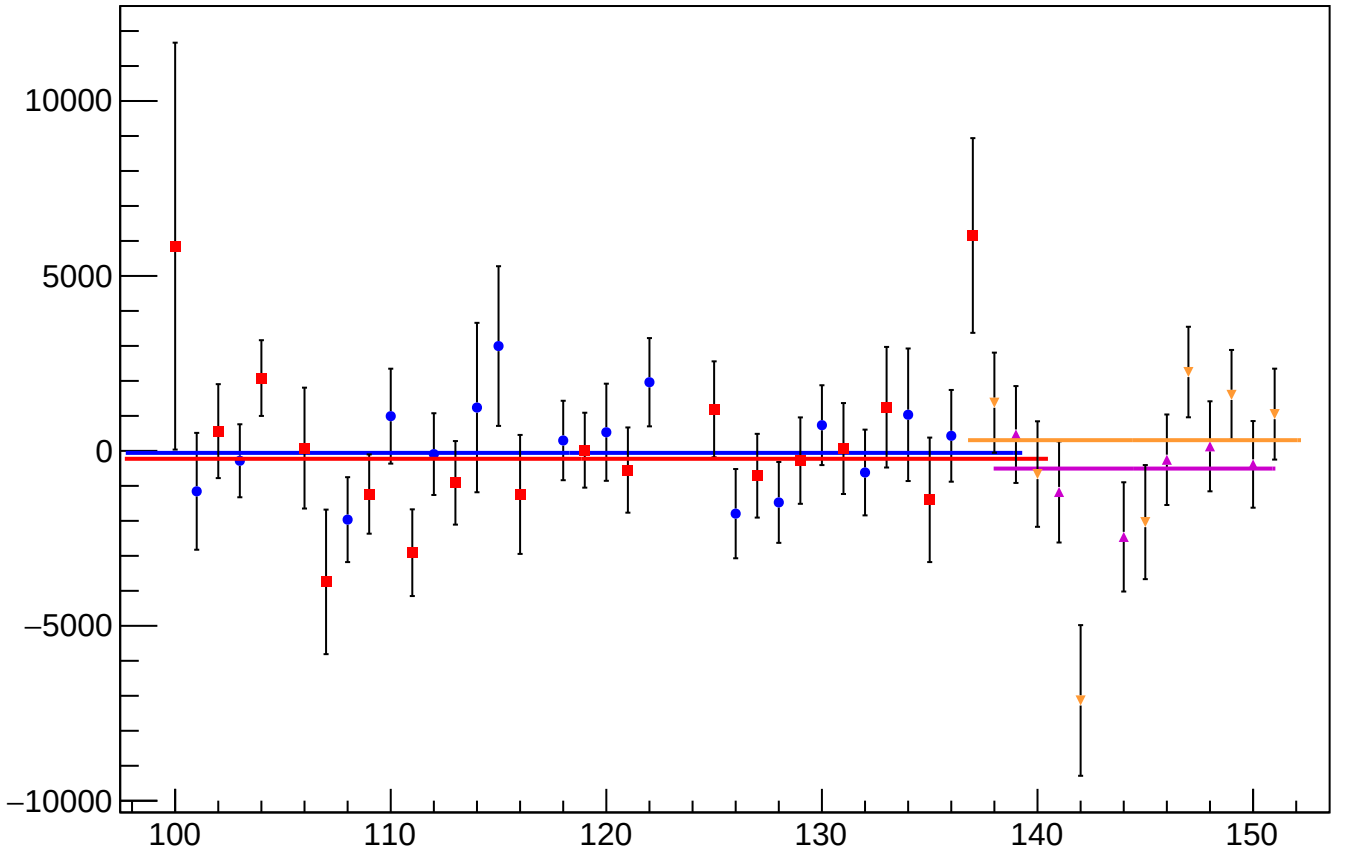
Left: 3513.300+/-0.768 χ^2/NDF: 177590.8/12

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2840.378+/-0.585 χ^2/NDF:1314784.8/21

Out: 2721.190+/-0.558 χ^2/NDF:1229212.1/24

All: 2777.946+/-0.404 χ^2/NDF: 2565725.9/46



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 305.951+/-549.224 χ^2/NDF:18.6/6

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -505.644+/-553.446 χ^2/NDF:2.6/5

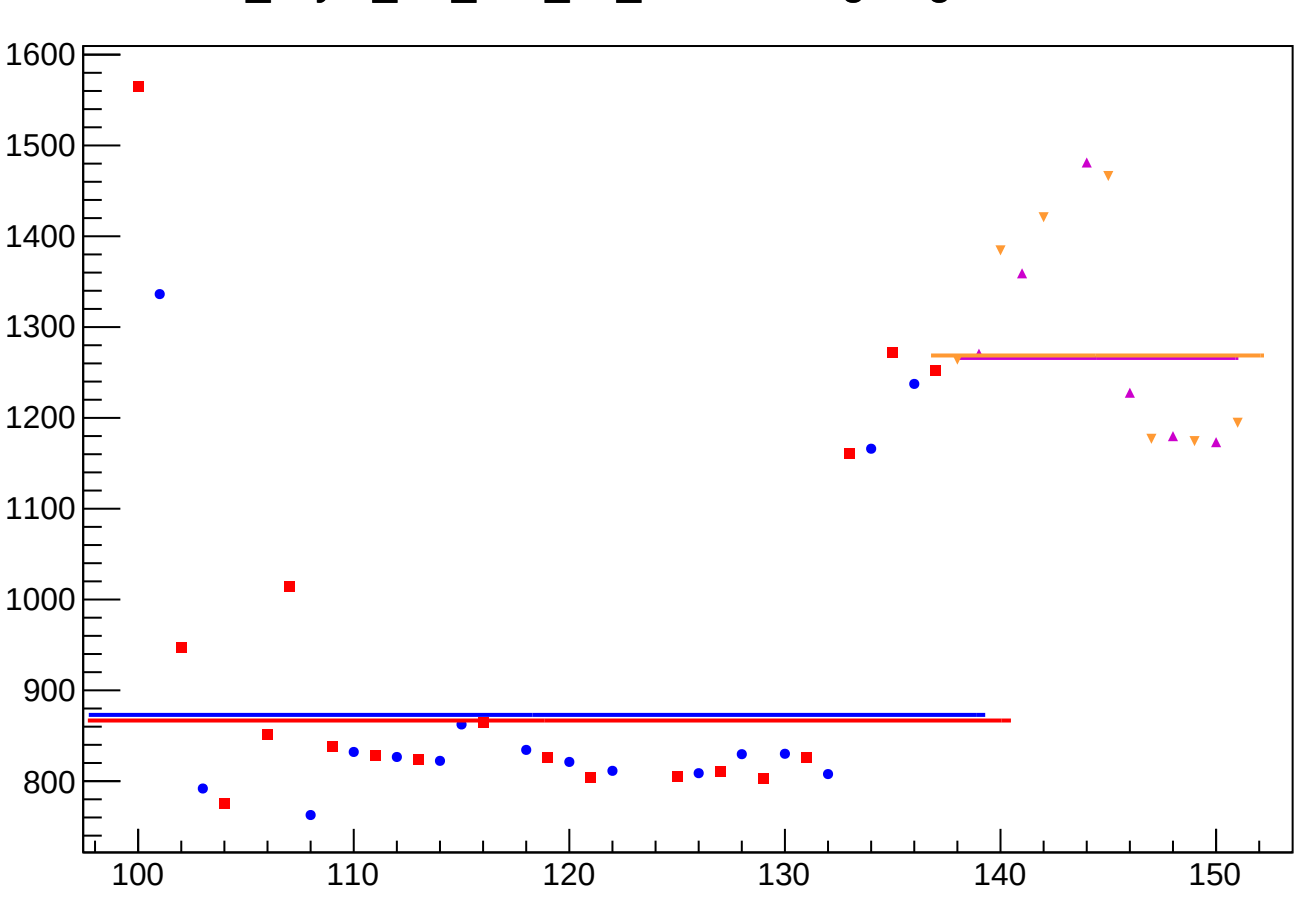
Left: -96.738+/-389.844 χ^2/NDF: 22.2/12

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -174.870+/-283.494 χ^2/NDF:16.0/21

Out: -86.166+/-281.648 χ^2/NDF:42.2/24

All: -130.228+/-199.805 χ^2/NDF: 58.3/46



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1268.724+/-0.388 χ^2/NDF:78504.6/6

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1266.031+/-0.391 χ^2/NDF:68273.2/5

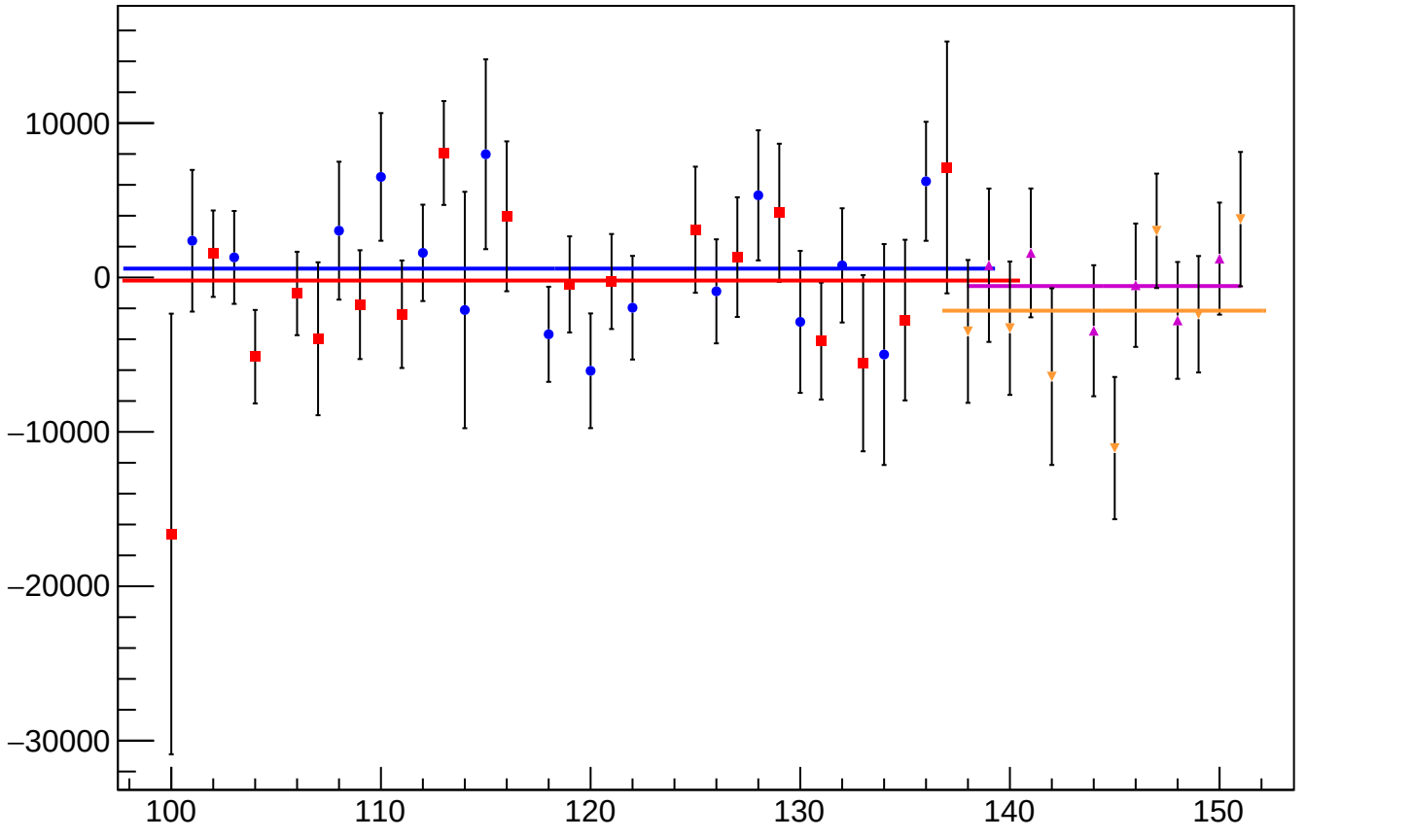
Left: 1267.388+/-0.276 χ^2/NDF: 146801.6/12

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 976.104+/-0.200 χ^2/NDF:1229464.5/21

Out: 972.321+/-0.199 χ^2/NDF:1158822.0/24

All: 974.199+/-0.141 χ^2/NDF: 2388465.8/46



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -2149.538+/-1635.361 χ^2/NDF:8.3/6

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -554.391+/-1662.158 χ^2/NDF:1.4/5

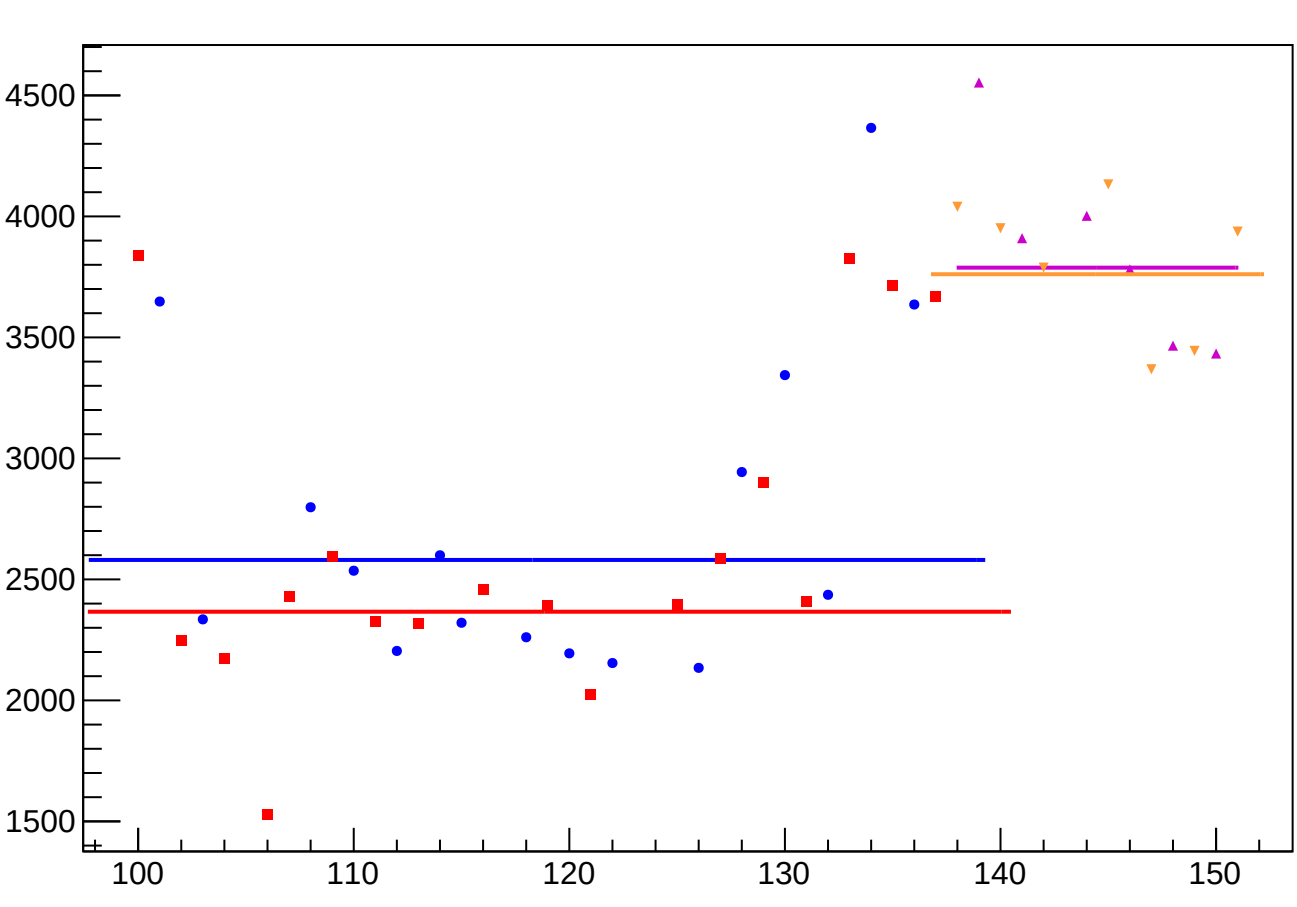
Left: -1364.927+/-1165.734 χ^2/NDF: 10.1/12

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 281.715+/-847.312 χ^2/NDF:16.4/21

Out: -647.079+/-784.520 χ^2/NDF:26.5/24

All: -218.369+/-575.659 χ^2/NDF: 43.6/46



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3761.017+/-1.156 χ^2/NDF:63994.9/6

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 3788.255+/-1.175 χ^2/NDF:87909.2/5

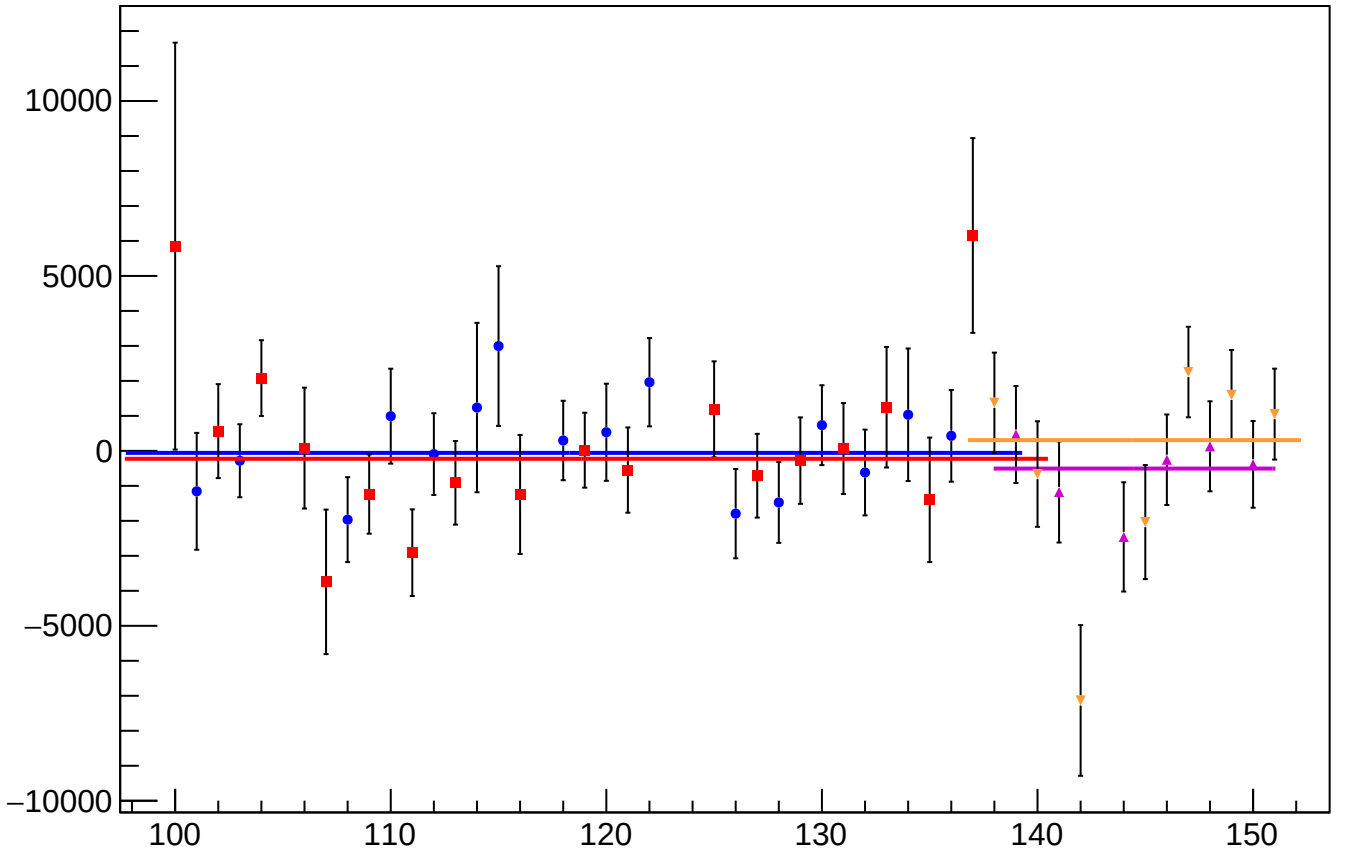
Left: 3774.415+/-0.824 χ^2/NDF: 152177.0/12

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2894.258+/-0.599 χ^2/NDF:1486773.6/21

Out: 2687.358+/-0.555 χ^2/NDF:1795438.2/24

All: 2782.858+/-0.407 χ^2/NDF: 3346419.4/46



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 305.946+/-549.224 χ^2/NDF:18.6/6

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -505.645+/-553.447 χ^2/NDF:2.6/5

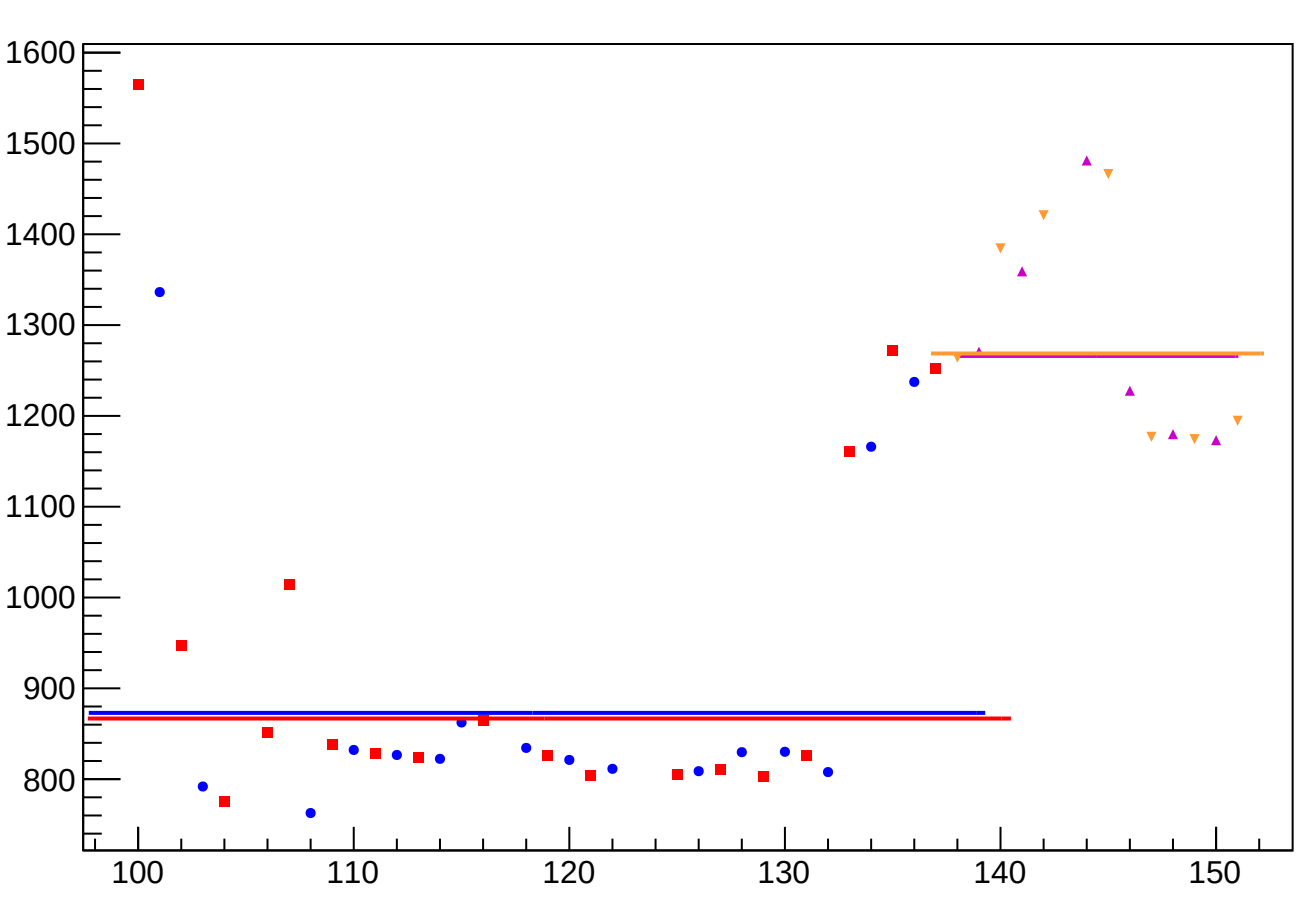
Left: -96.741+/-389.844 χ^2/NDF: 22.2/12

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -174.873+/-283.495 χ^2/NDF:16.0/21

Out: -86.169+/-281.648 χ^2/NDF:42.2/24

All: -130.231+/-199.805 χ^2/NDF: 58.3/46



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1268.725+/-0.388 χ^2/NDF:78506.0/6

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1266.032+/-0.391 χ^2/NDF:68274.1/5

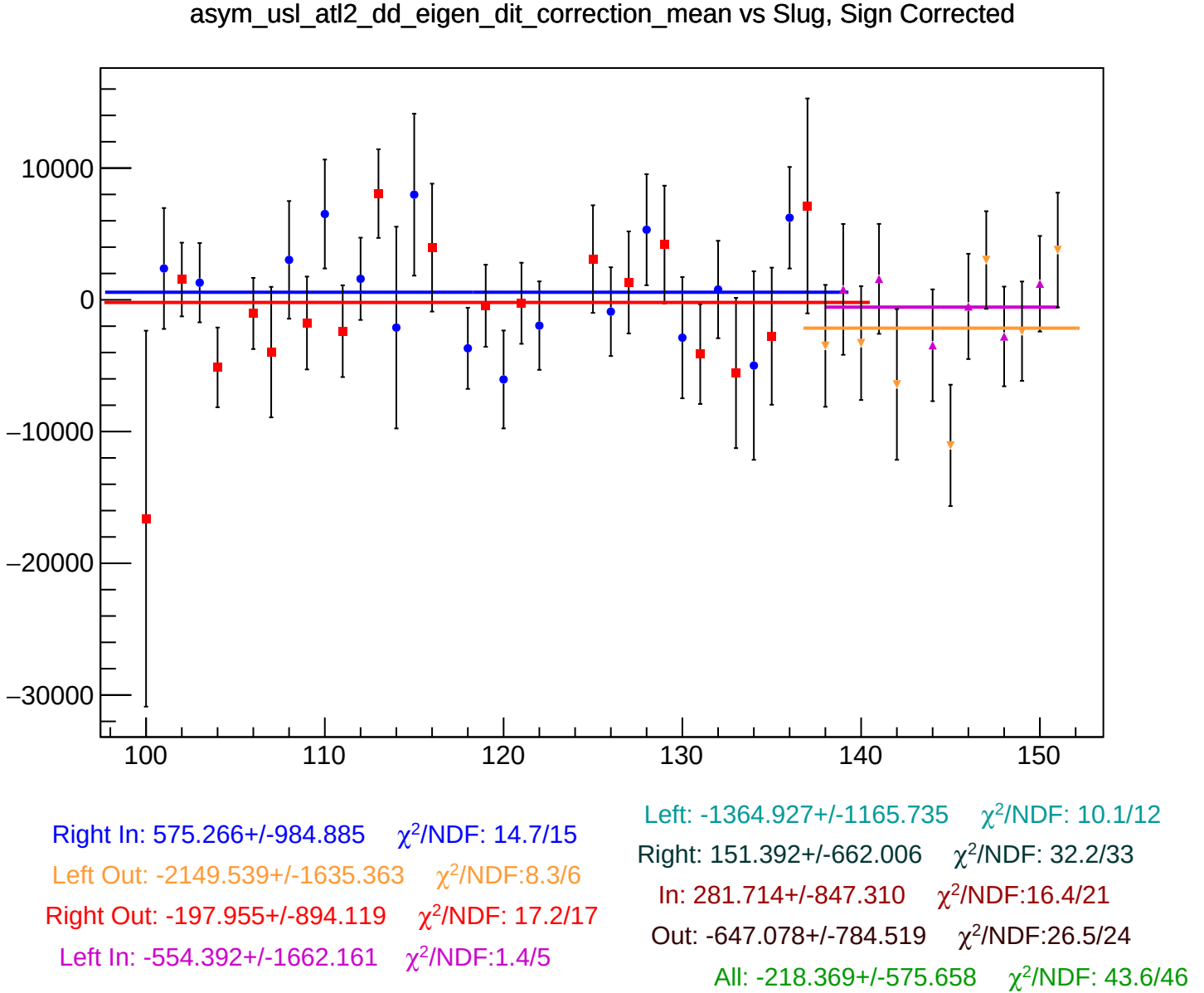
Left: 1267.389+/-0.276 χ^2/NDF: 146804.0/12

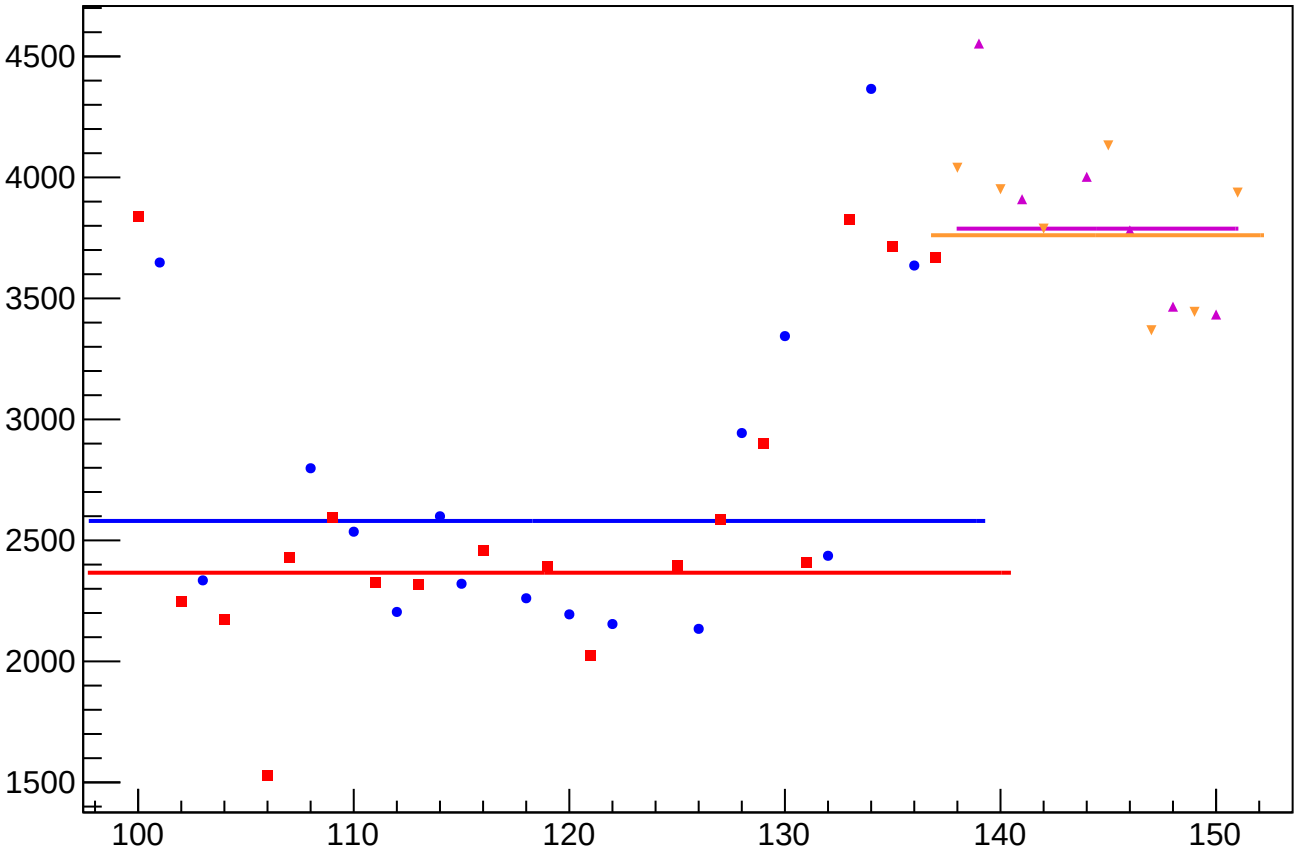
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 976.105+/-0.200 χ^2/NDF:1229467.1/21

Out: 972.321+/-0.199 χ^2/NDF:1158825.5/24

All: 974.199+/-0.141 χ^2/NDF: 2388471.9/46


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 575.266+/-984.885 χ²/NDF: 14.7/15
Left Out: -2149.539+/-1635.363 χ²/NDF:8.3/6
Right Out: -197.955+/-894.119 χ²/NDF: 17.2/17
Left In: -554.392+/-1662.161 χ²/NDF:1.4/5
Left: -1364.927+/-1165.735 χ²/NDF: 10.1/12
Right: 151.392+/-662.006 χ²/NDF: 32.2/33
In: 281.714+/-847.310 χ²/NDF:16.4/21
Out: -647.078+/-784.519 χ²/NDF:26.5/24
All: -218.369+/-575.658 χ²/NDF: 43.6/46



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3761.022+/-1.156 χ^2/NDF:63996.9/6

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 3788.260+/-1.175 χ^2/NDF:87911.8/5

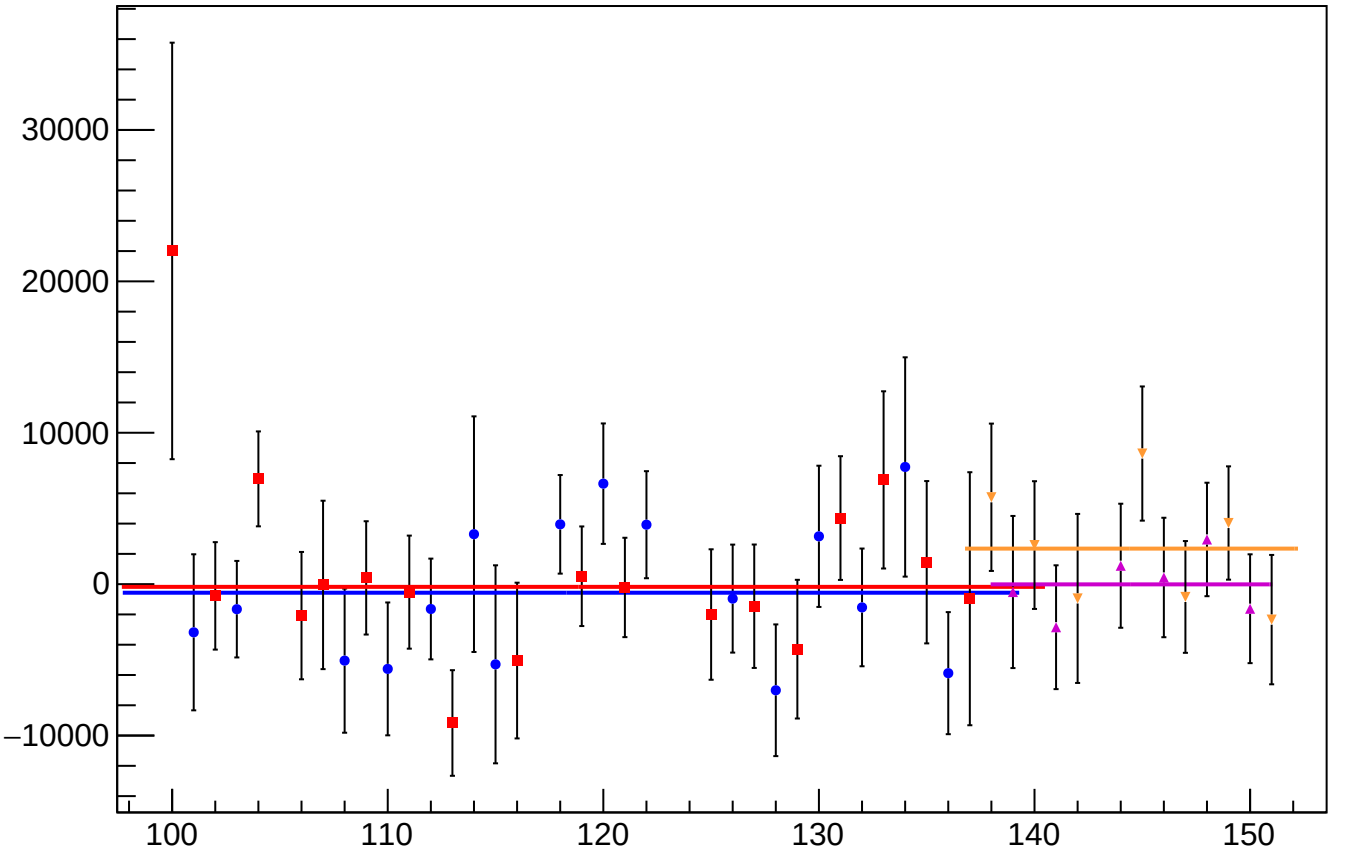
Left: 3774.419+/-0.824 χ^2/NDF: 152181.6/12

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2894.251+/-0.599 χ^2/NDF:1486799.4/21

Out: 2687.352+/-0.555 χ^2/NDF:1795461.7/24

All: 2782.852+/-0.407 χ^2/NDF: 3346468.3/46



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 2347.847+/-1620.082 χ^2/NDF:5.0/6

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -14.095+/-1639.889 χ^2/NDF:1.4/5

Left: 1181.226+/-1152.510 χ^2/NDF: 7.5/12

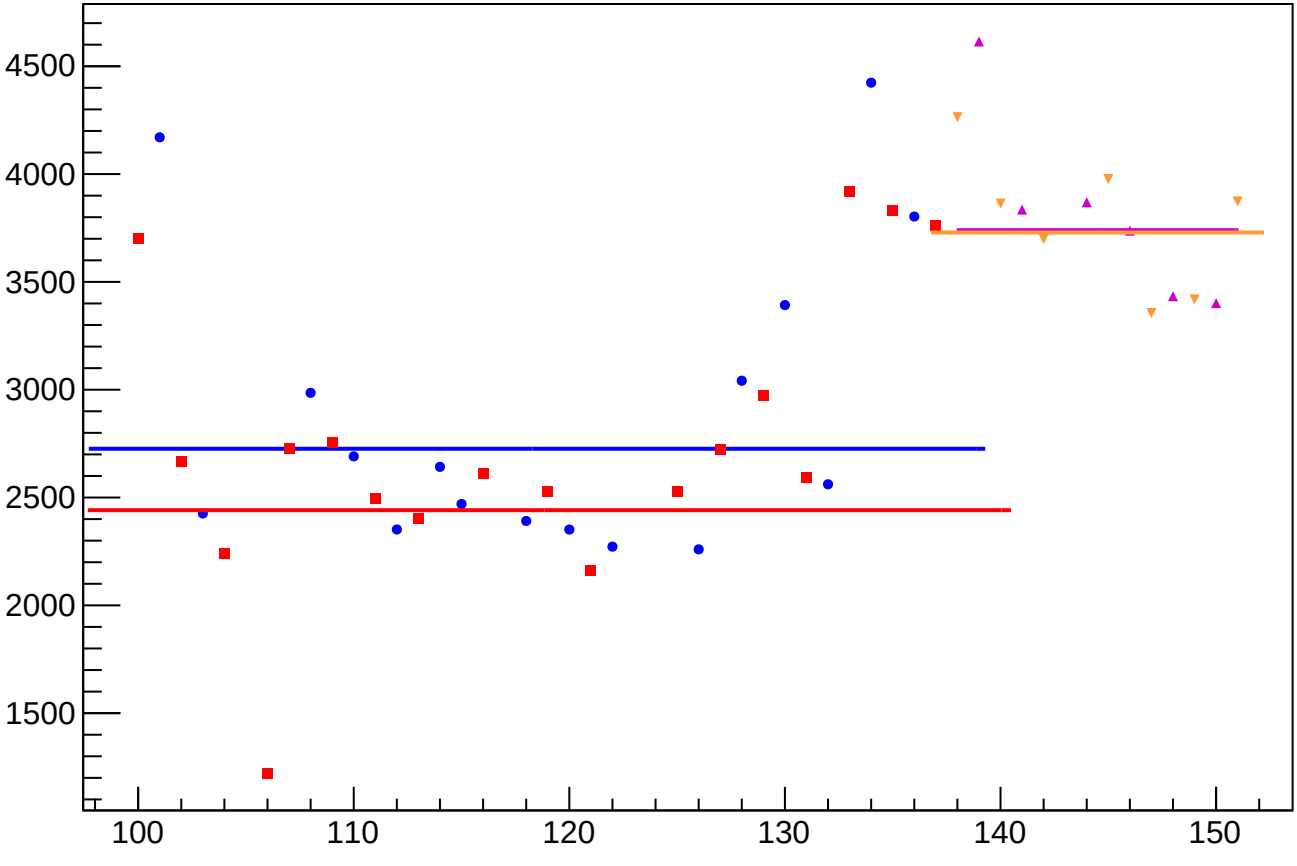
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -407.696+/-878.461 χ^2/NDF:17.7/21

Out: 506.701+/-843.761 χ^2/NDF:26.3/24

All: 67.919+/-608.527 χ^2/NDF: 44.6/46

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3729.143+/-1.146 χ^2/NDF:68966.5/6

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3739.919+/-1.160 χ^2/NDF:94836.7/5

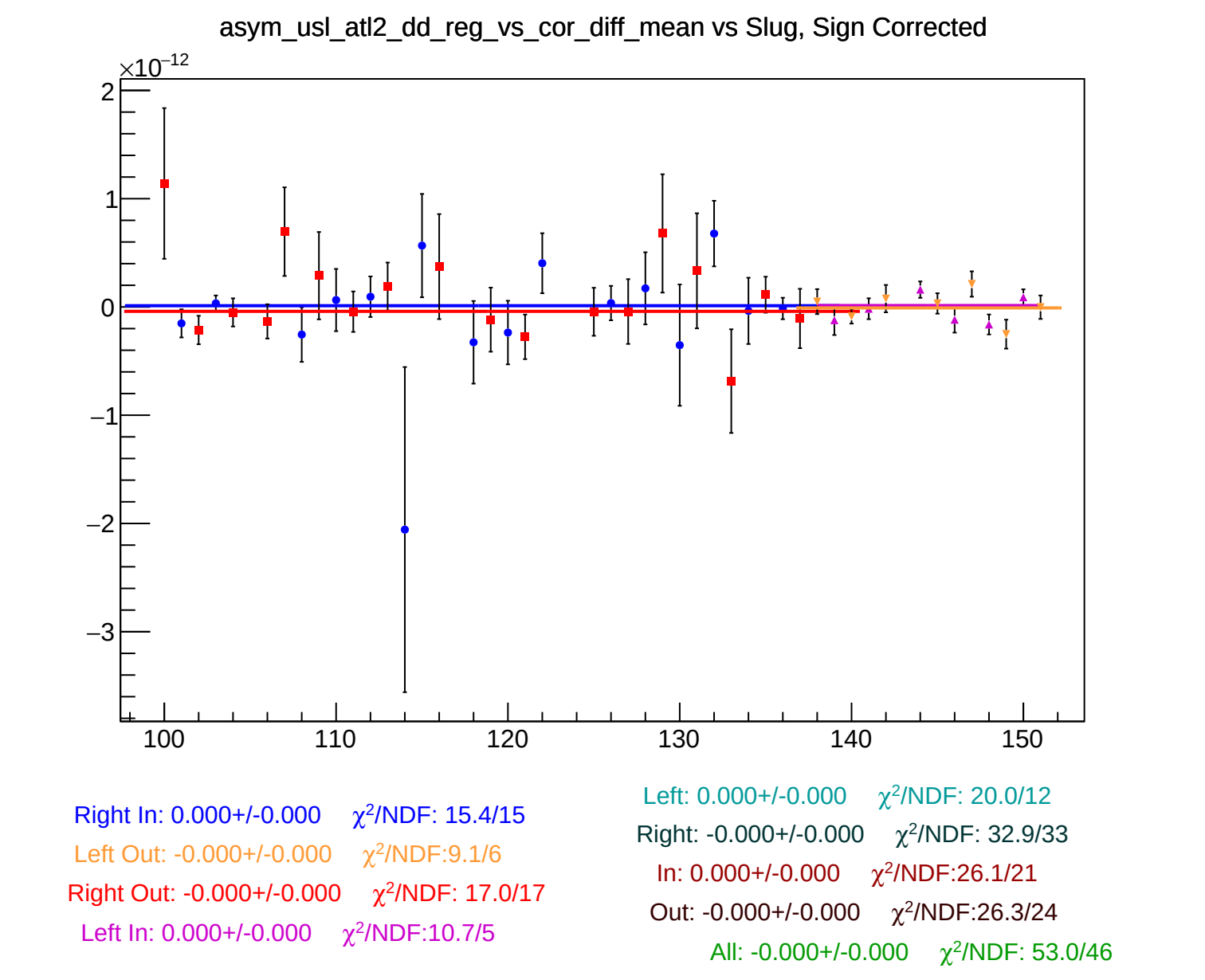
Left: 3734.466+/-0.815 χ^2/NDF: 163846.9/12

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3017.115+/-0.621 χ^2/NDF:1262828.3/21

Out: 2767.357+/-0.576 χ^2/NDF:1903891.5/24

All: 2882.908+/-0.423 χ^2/NDF: 3253592.1/46


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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−1
−2
−3
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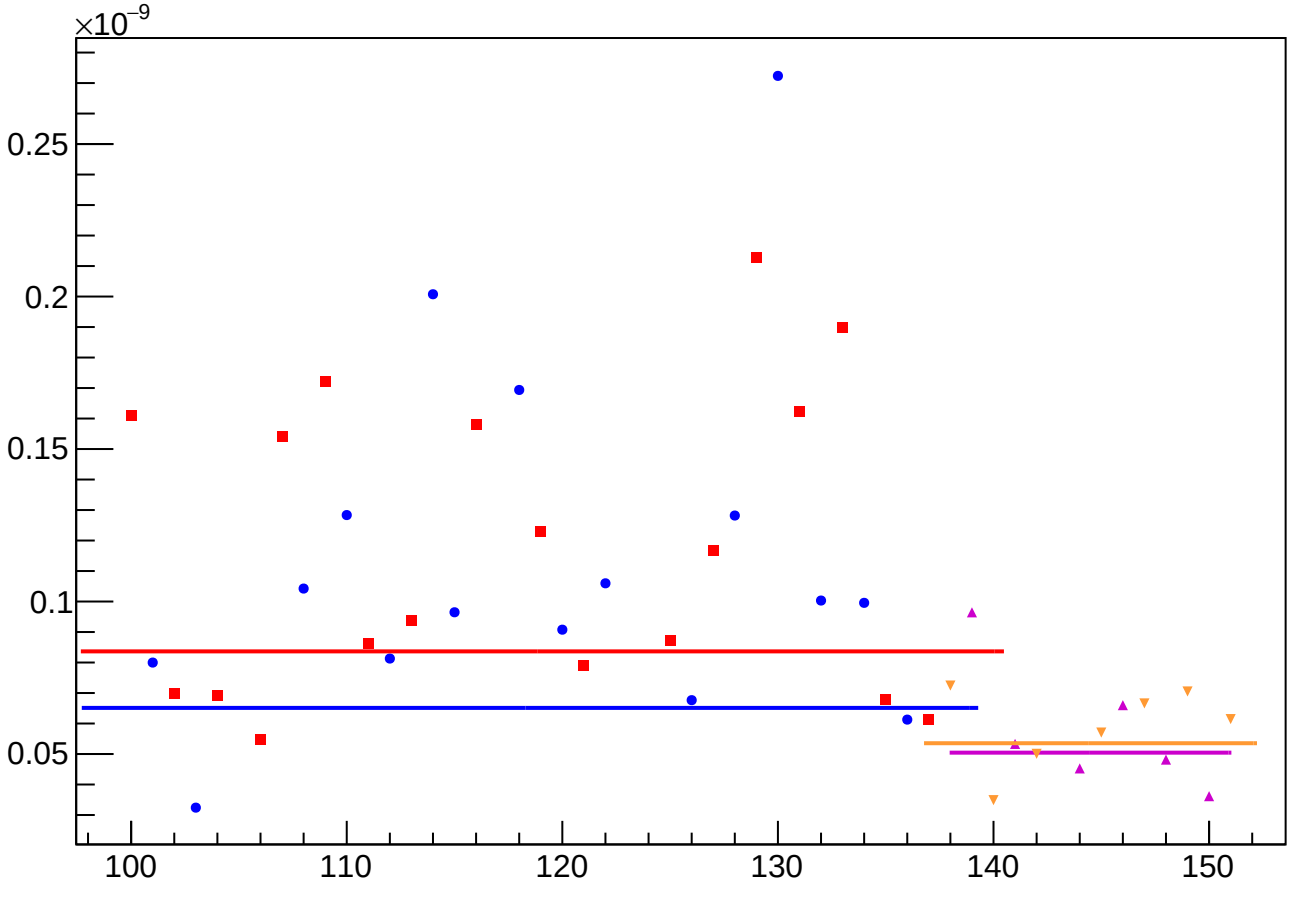
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:9.1/6
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:10.7/5
Left: 0.000+/-0.000 χ²/NDF: 20.0/12
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:26.1/21
Out: -0.000+/-0.000 χ²/NDF:26.3/24
All: -0.000+/-0.000 χ²/NDF: 53.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:281457.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:346685.5/5

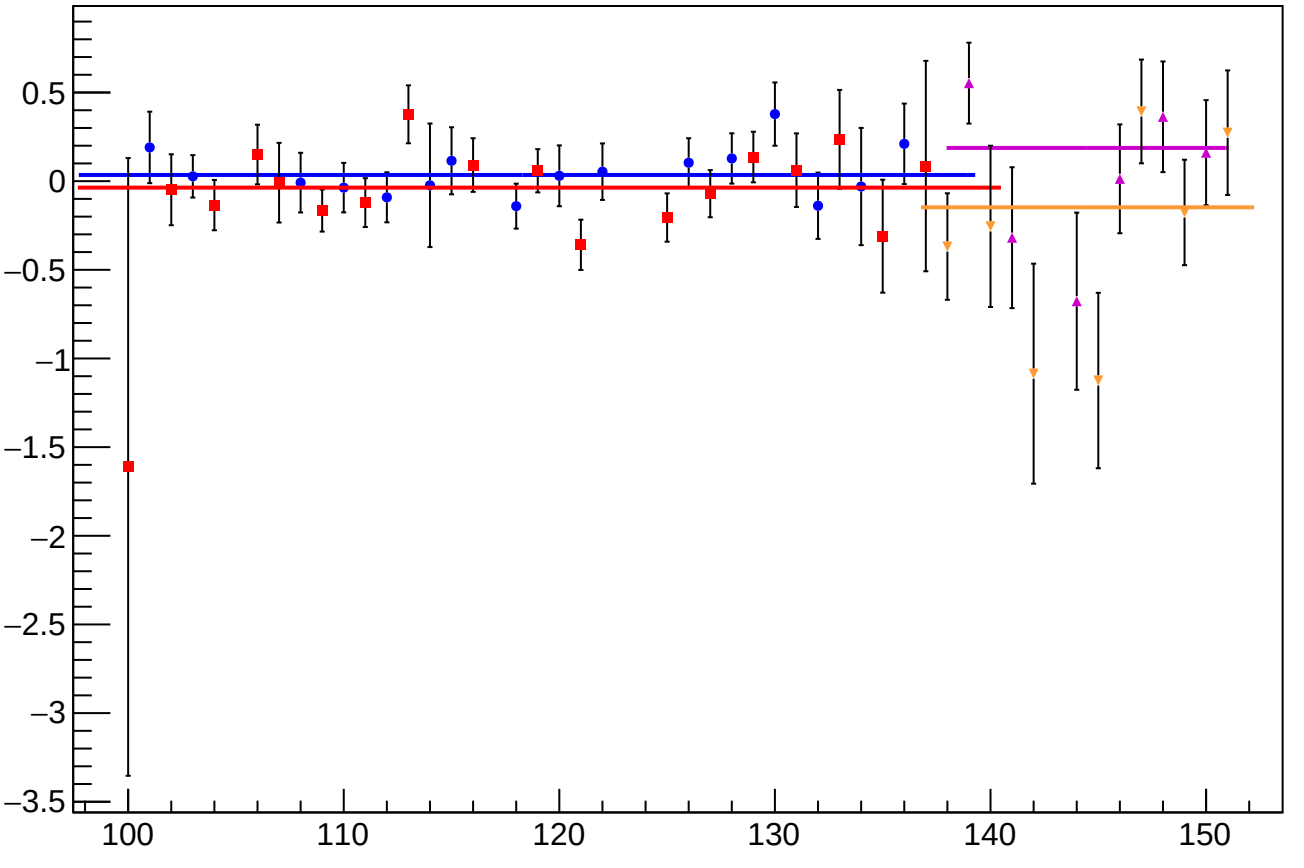
Left: 0.000+/-0.000 χ^2/NDF: 634831.2/12

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1697859.1/21

Out: 0.000+/-0.000 χ^2/NDF:1394951.1/24

All: 0.000+/-0.000 χ^2/NDF: 3149546.0/46



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.147+/-0.136 χ^2/NDF:11.6/6

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.187+/-0.127 χ^2/NDF:7.8/5

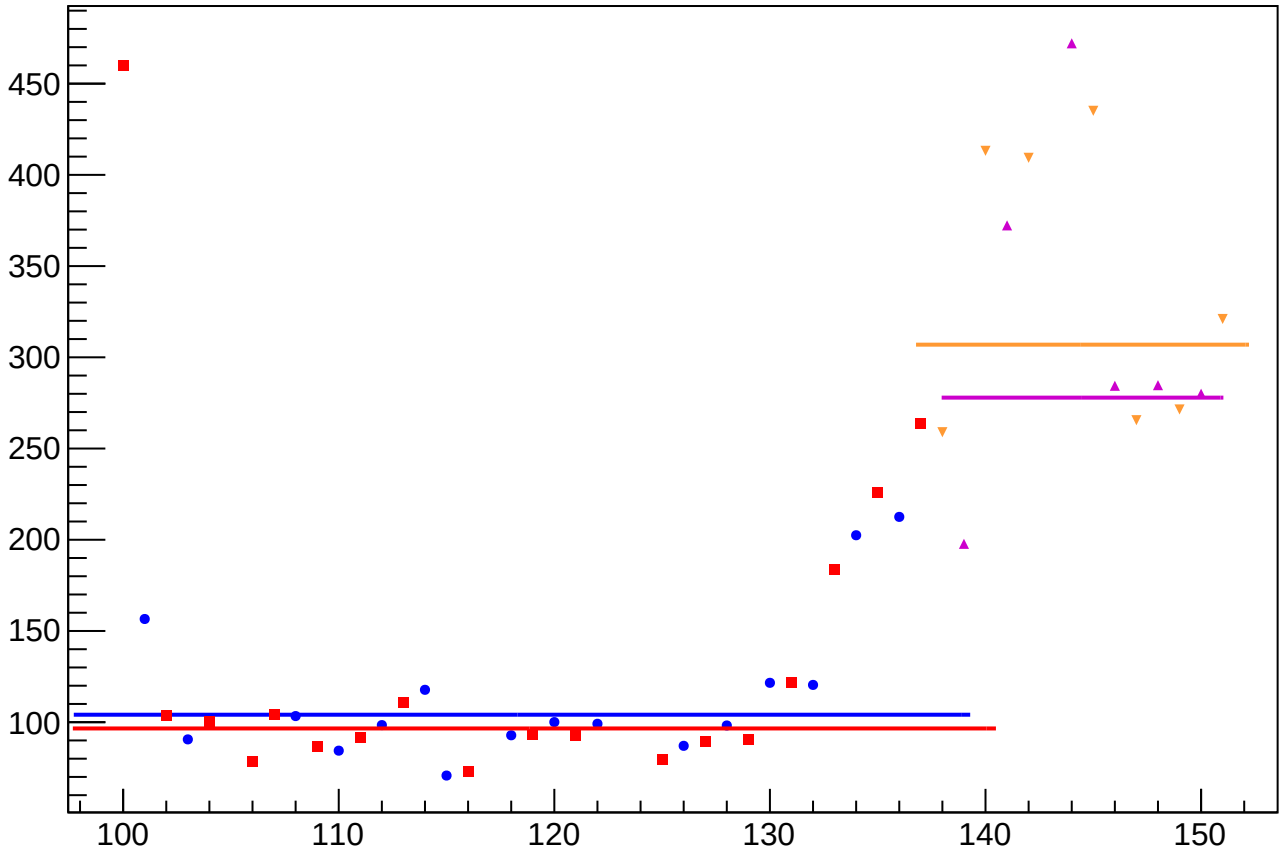
Left: 0.032+/-0.093 χ^2/NDF: 22.7/12

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.049+/-0.039 χ^2/NDF:18.9/21

Out: -0.045+/-0.037 χ^2/NDF:34.3/24

All: 0.000+/-0.027 χ^2/NDF: 56.2/46



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 306.934+/-0.096 χ^2/NDF:420823.2/6

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 277.901+/-0.090 χ^2/NDF:663792.3/5

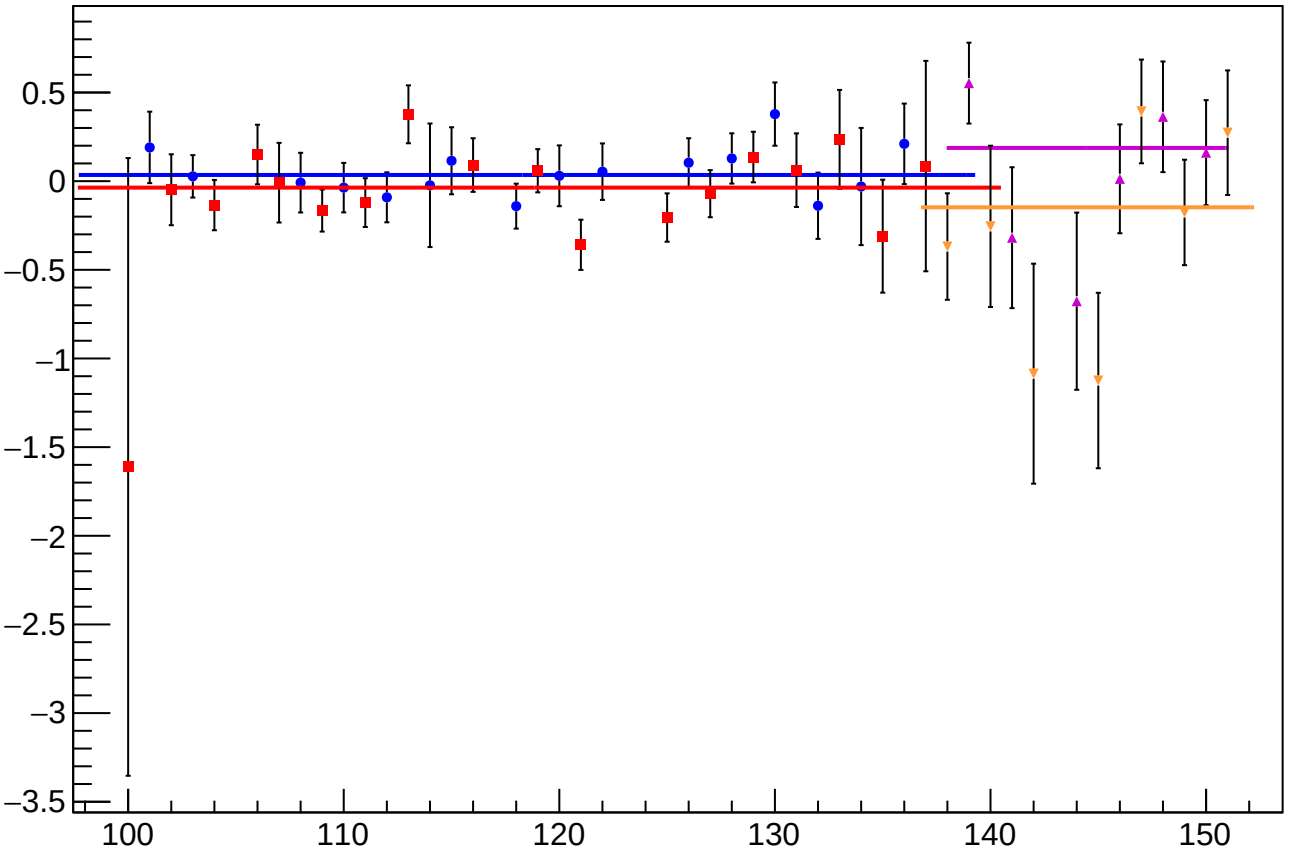
Left: 291.397+/-0.066 χ^2/NDF: 1133074.4/12

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 120.487+/-0.028 χ^2/NDF:5037311.7/21

Out: 112.382+/-0.026 χ^2/NDF:5773017.3/24

All: 116.261+/-0.019 χ^2/NDF: 10855256.1/46



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.147+/-0.136 χ^2/NDF:11.6/6

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.187+/-0.127 χ^2/NDF:7.8/5

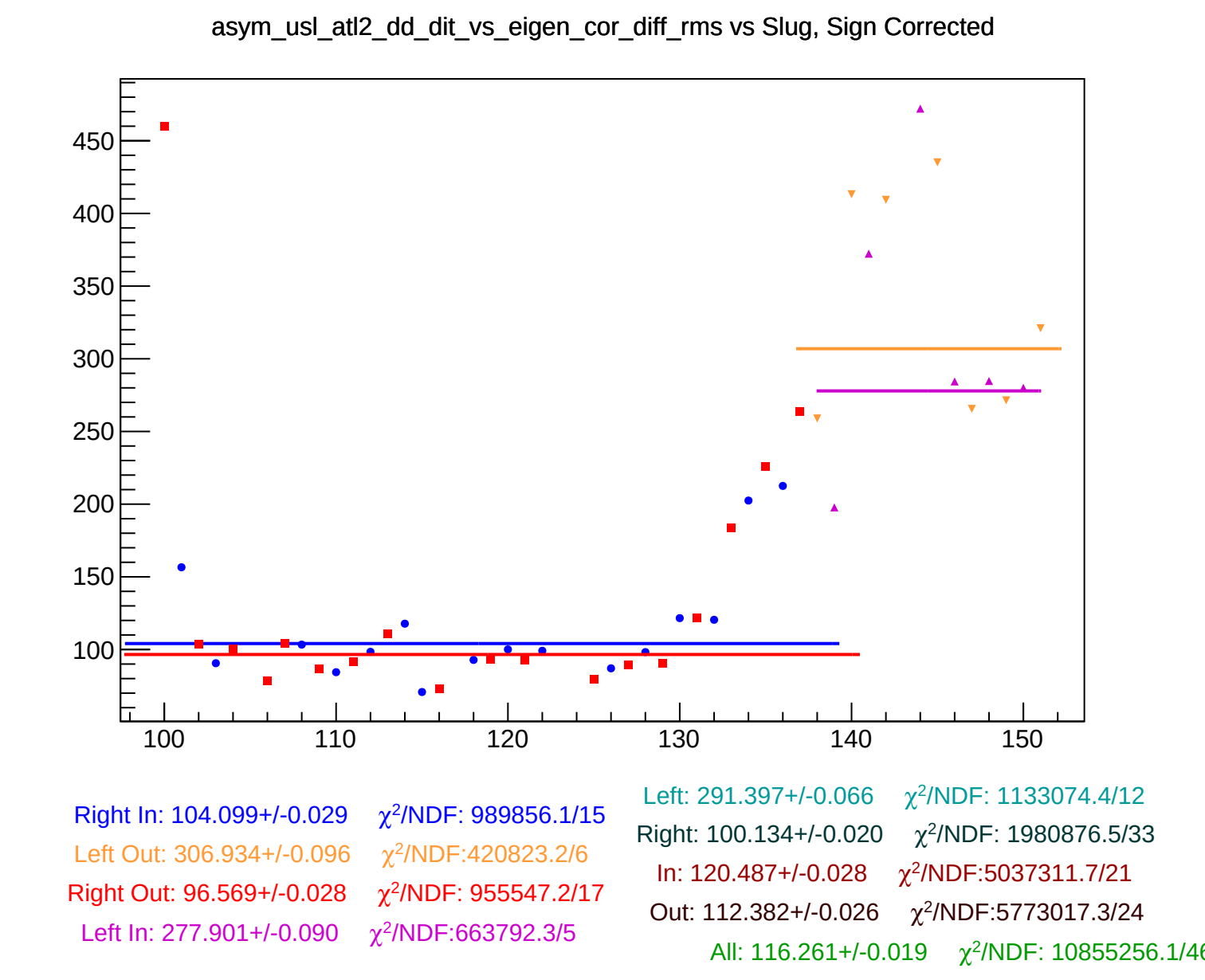
Left: 0.032+/-0.093 χ^2/NDF: 22.7/12

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.049+/-0.039 χ^2/NDF:18.9/21

Out: -0.045+/-0.037 χ^2/NDF:34.3/24

All: 0.000+/-0.027 χ^2/NDF: 56.2/46


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
450
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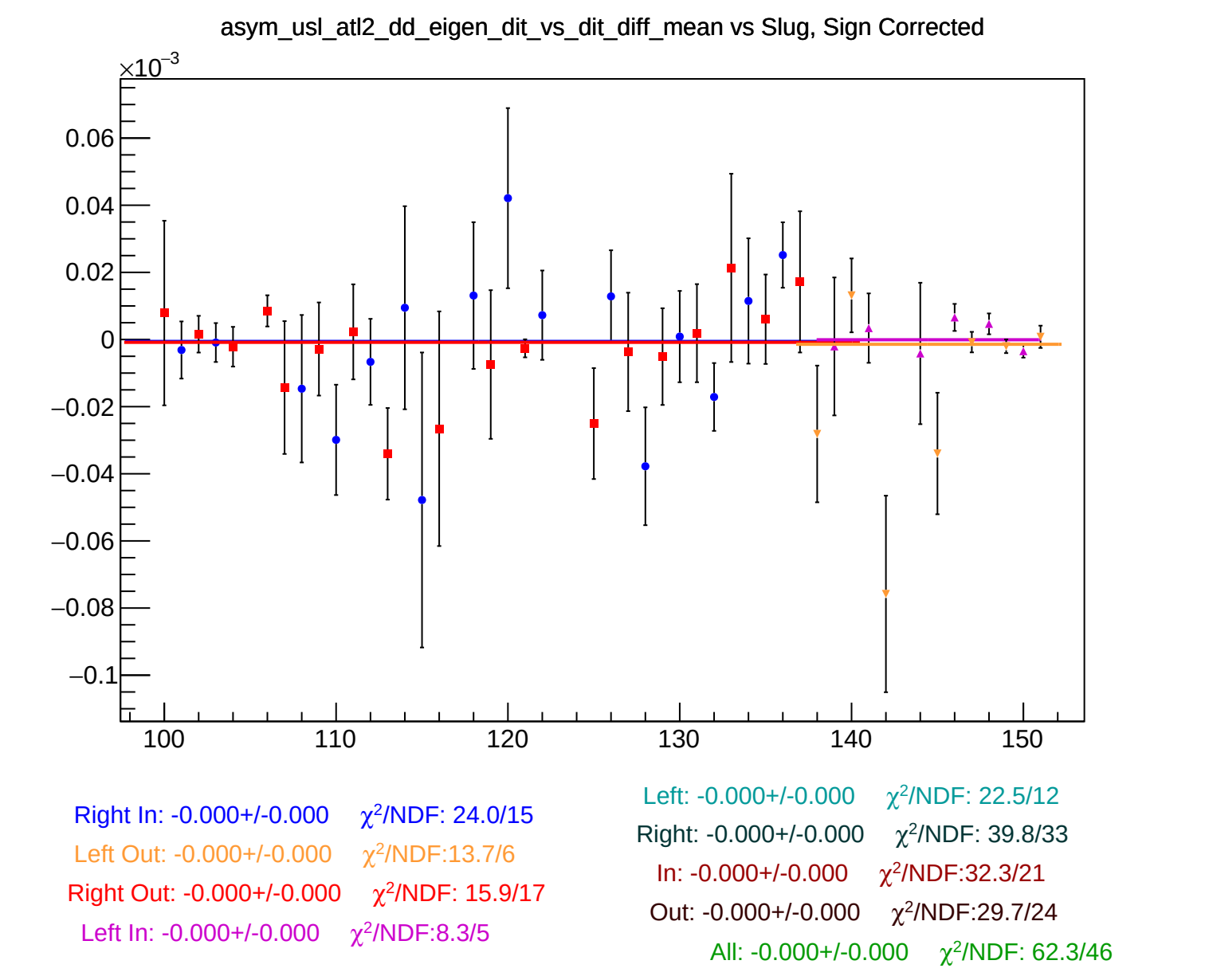
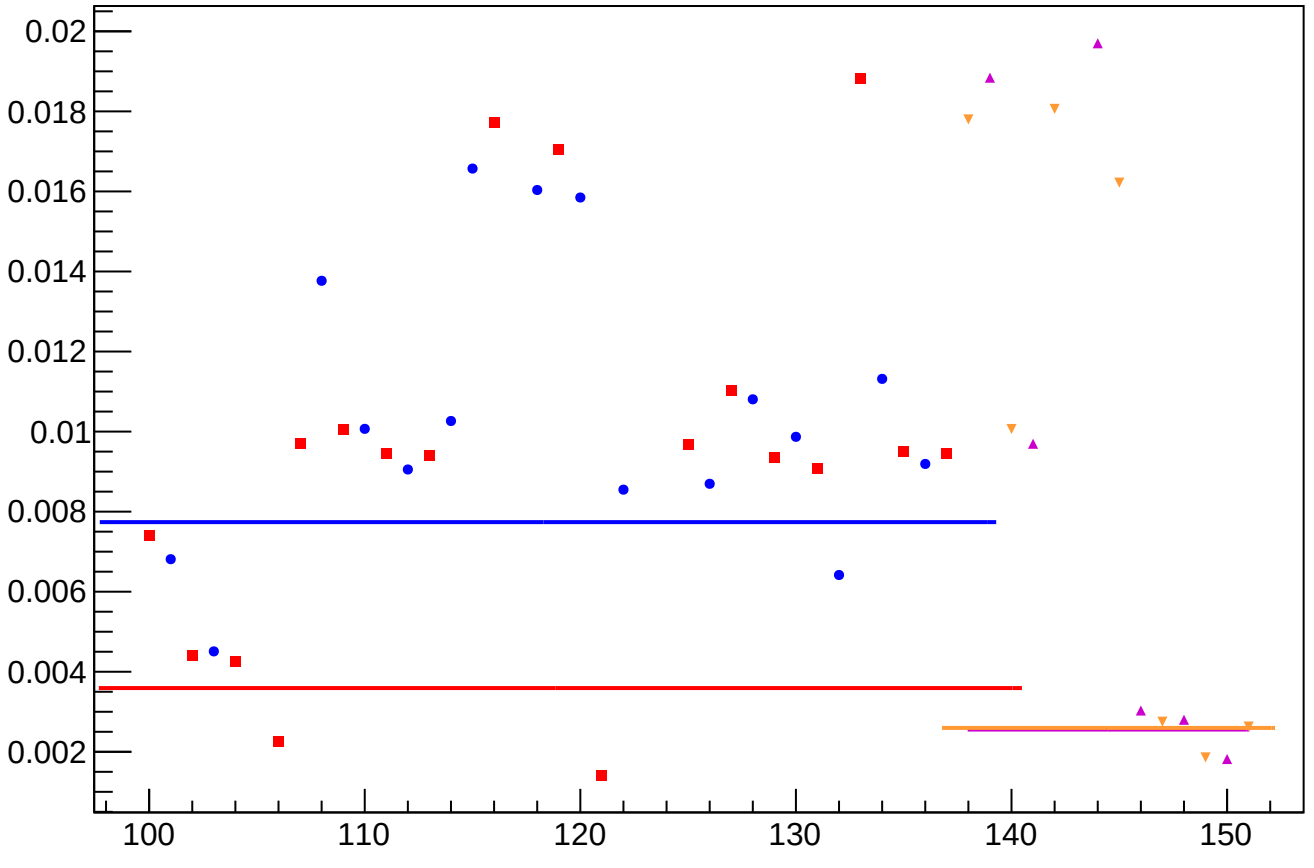
Right In: 104.099+/-0.029 χ²/NDF: 989856.1/15
Left Out: 306.934+/-0.096 χ²/NDF:420823.2/6
Right Out: 96.569+/-0.028 χ²/NDF: 955547.2/17
Left In: 277.901+/-0.090 χ²/NDF:663792.3/5
Left: 291.397+/-0.066 χ²/NDF: 1133074.4/12
Right: 100.134+/-0.020 χ²/NDF: 1980876.5/33
In: 120.487+/-0.028 χ²/NDF:5037311.7/21
Out: 112.382+/-0.026 χ²/NDF:5773017.3/24
All: 116.261+/-0.019 χ²/NDF: 10855256.1/46


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:13.7/6
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:8.3/5
Left: -0.000+/-0.000 χ²/NDF: 22.5/12
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:32.3/21
Out: -0.000+/-0.000 χ²/NDF:29.7/24
All: -0.000+/-0.000 χ²/NDF: 62.3/46



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:3993773.8/6

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:3868898.7/5

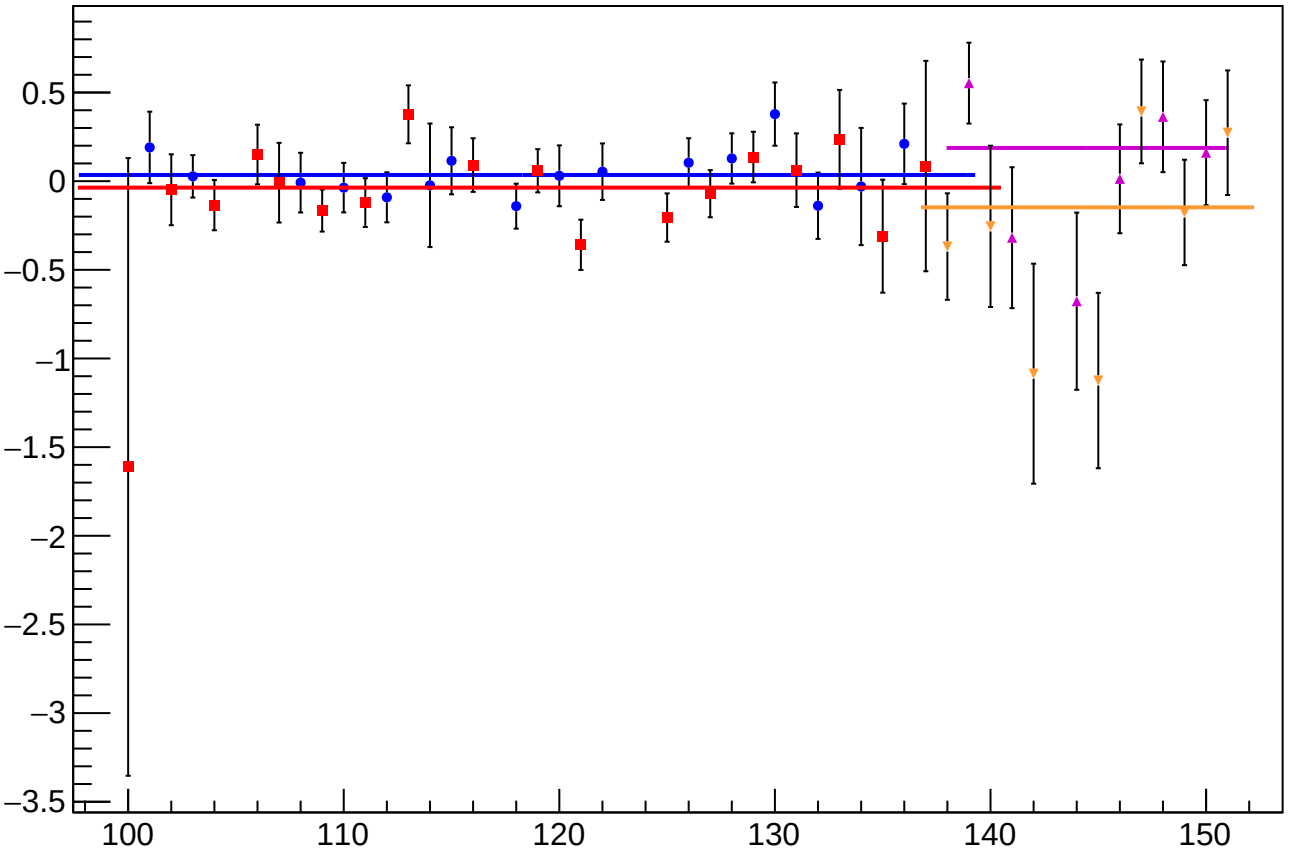
Left: 0.003+/-0.000 χ^2/NDF: 7863438.0/12

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:10081726.9/21

Out: 0.003+/-0.000 χ^2/NDF:10713014.5/24

All: 0.003+/-0.000 χ^2/NDF: 20976845.1/46



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.147+/-0.136 χ^2/NDF:11.6/6

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.187+/-0.127 χ^2/NDF:7.8/5

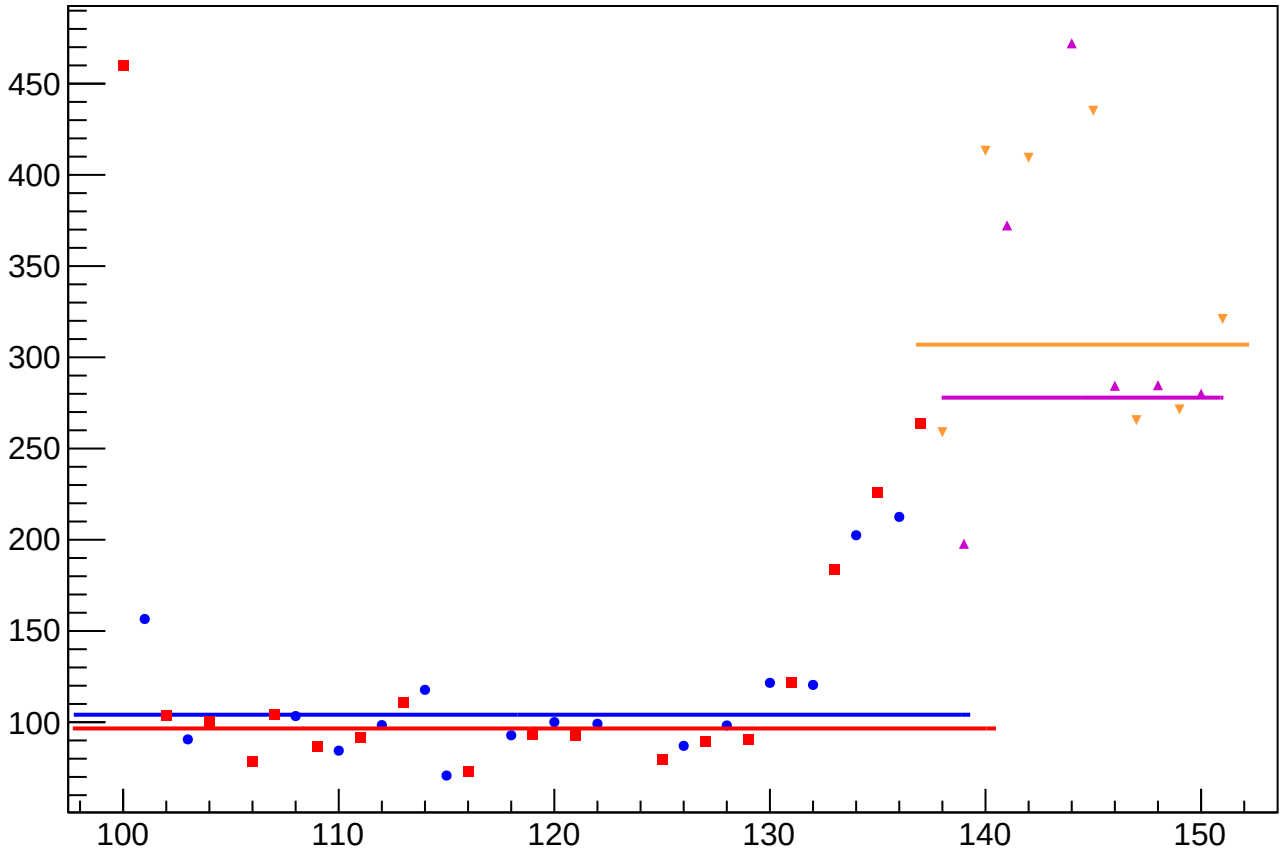
Left: 0.032+/-0.093 χ^2/NDF: 22.7/12

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.049+/-0.039 χ^2/NDF:18.9/21

Out: -0.045+/-0.037 χ^2/NDF:34.3/24

All: 0.000+/-0.027 χ^2/NDF: 56.2/46



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 306.935+/-0.096 χ^2/NDF:420853.3/6

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.905+/-0.090 χ^2/NDF:663767.8/5

Left: 291.399+/-0.066 χ^2/NDF: 1133072.3/12

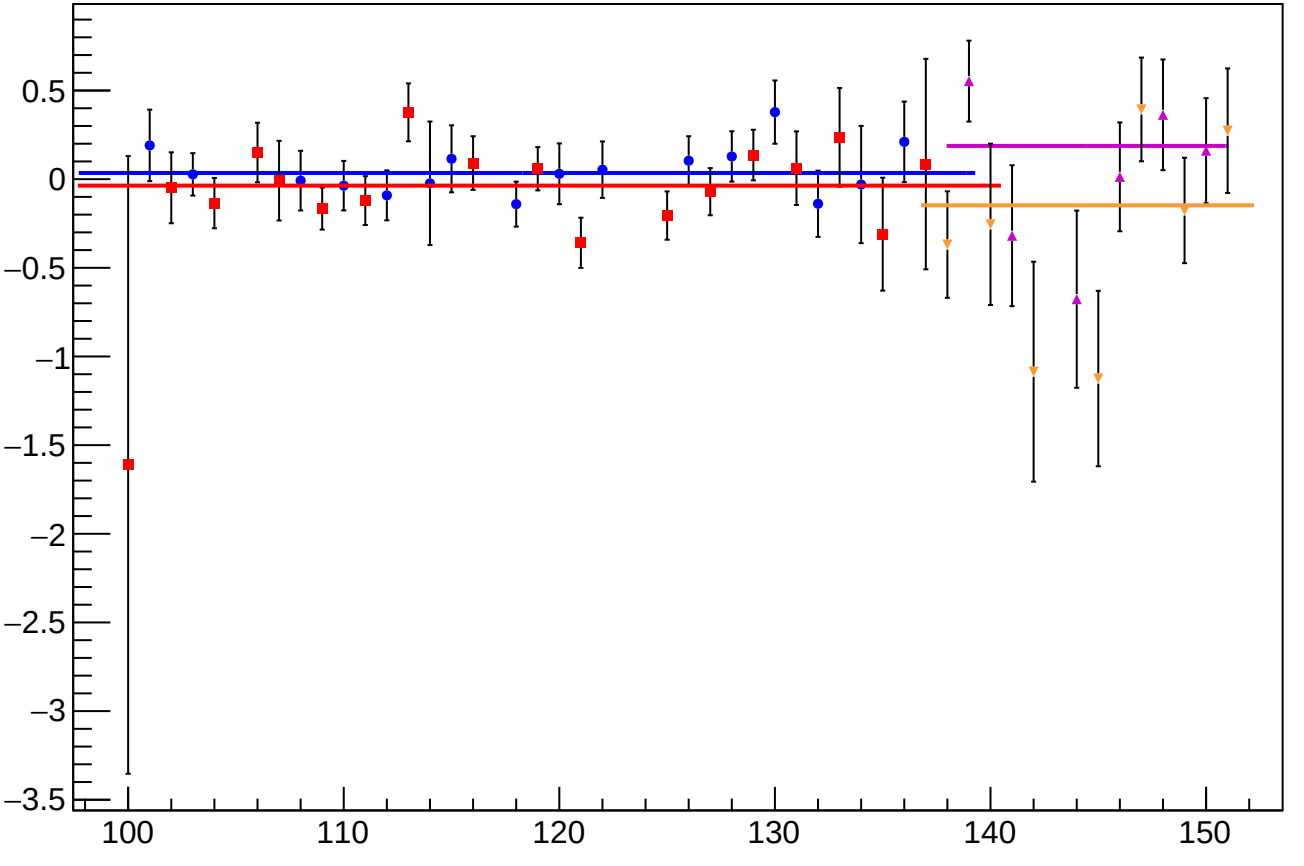
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 120.488+/-0.028 χ^2/NDF:5037269.8/21

Out: 112.383+/-0.026 χ^2/NDF:5772931.3/24

All: 116.262+/-0.019 χ^2/NDF: 10855122.4/46

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: -0.147+/-0.136 χ^2/NDF:11.6/6

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.187+/-0.127 χ^2/NDF:7.8/5

Left: 0.032+/-0.093 χ^2/NDF: 22.7/12

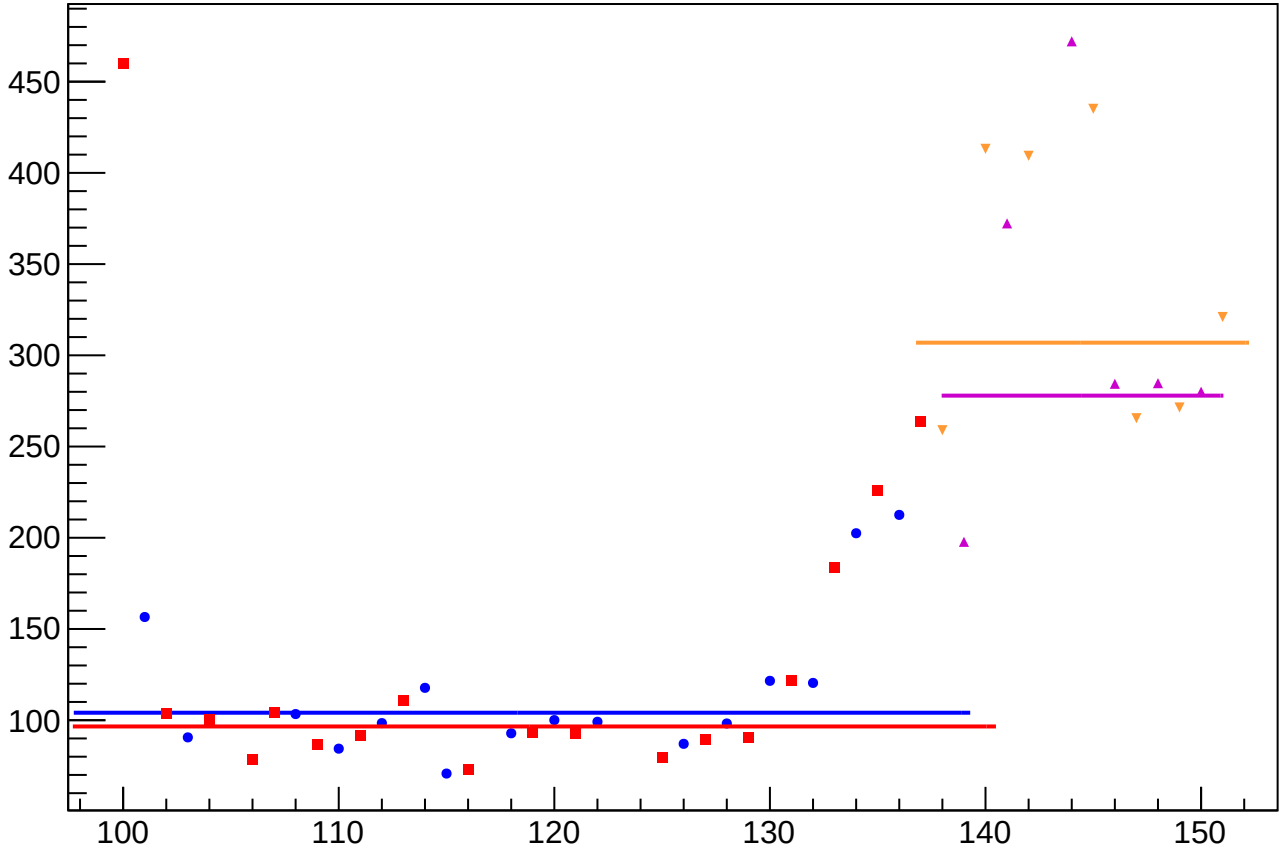
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.049+/-0.039 χ^2/NDF:18.9/21

Out: -0.045+/-0.037 χ^2/NDF:34.3/24

All: 0.000+/-0.027 χ^2/NDF: 56.2/46

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: 306.935+/-0.096 χ^2/NDF:420853.3/6

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 277.905+/-0.090 χ^2/NDF:663767.8/5

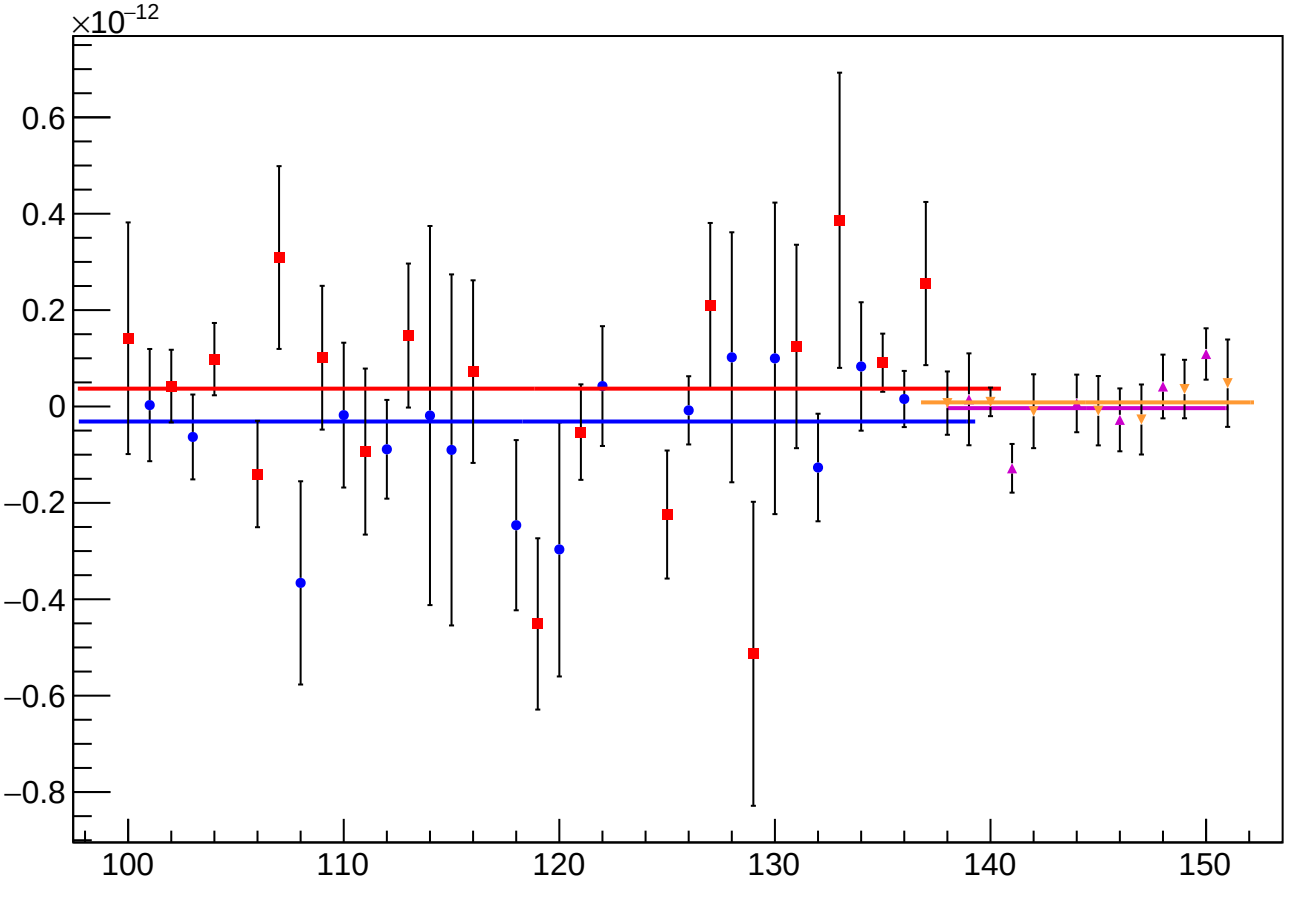
Left: 291.399+/-0.066 χ^2/NDF: 1133072.3/12

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 120.488+/-0.028 χ^2/NDF:5037269.8/21

Out: 112.383+/-0.026 χ^2/NDF:5772931.3/24

All: 116.262+/-0.019 χ^2/NDF: 10855122.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:0.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:11.2/5

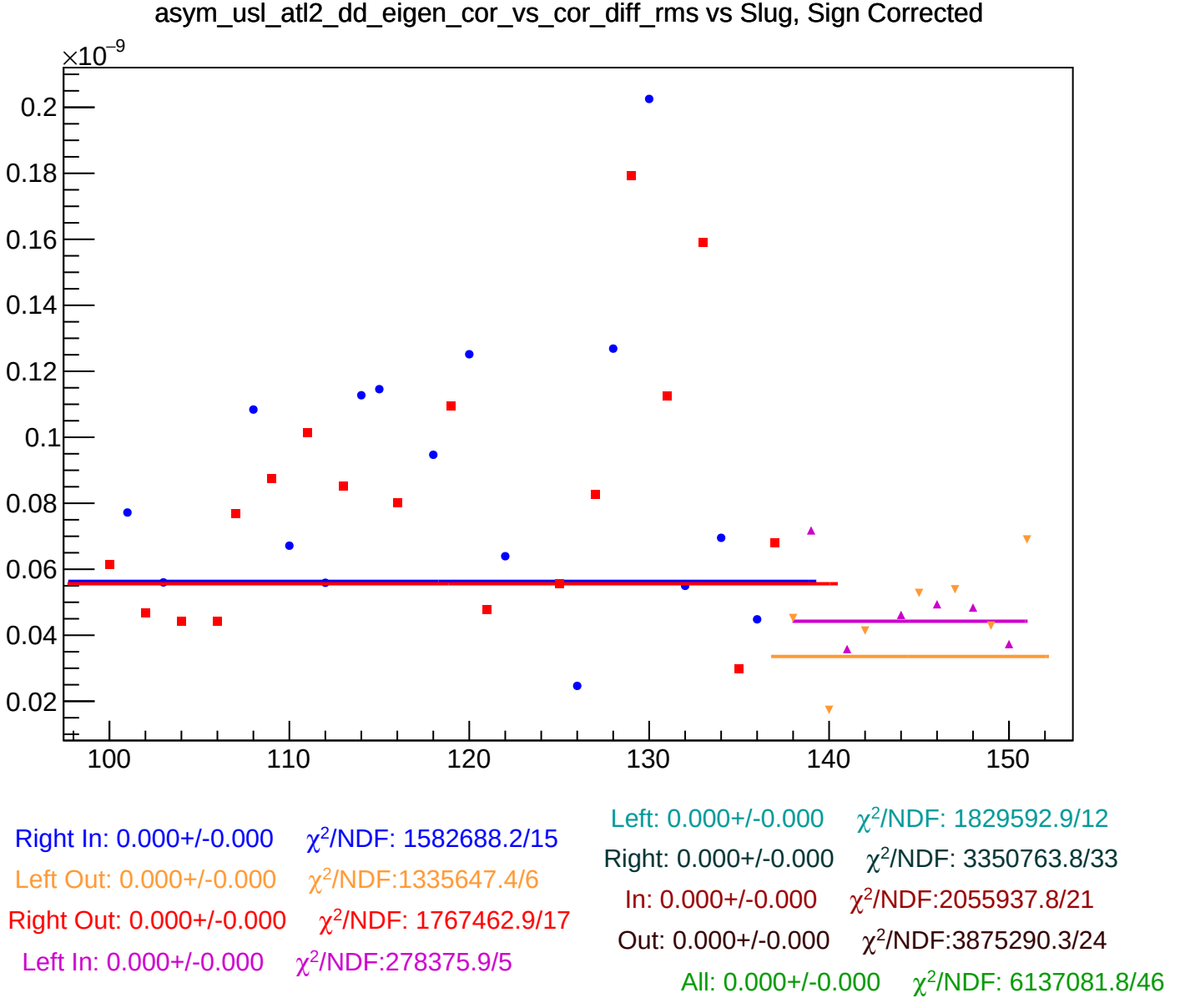
Left: 0.000+/-0.000 χ^2/NDF: 12.1/12

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

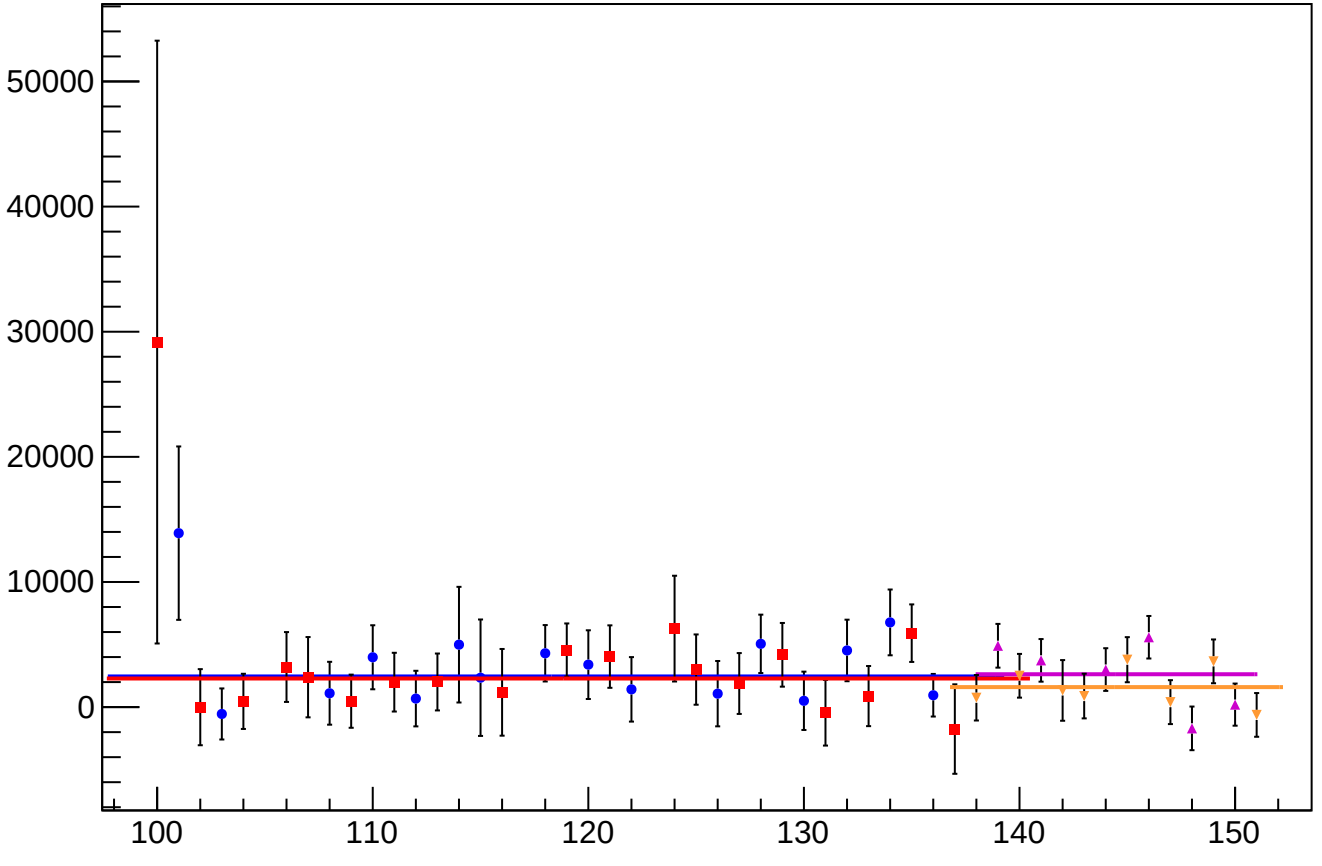
In: -0.000+/-0.000 χ^2/NDF:20.3/21

Out: 0.000+/-0.000 χ^2/NDF:28.5/24

All: 0.000+/-0.000 χ^2/NDF: 50.5/46


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1335647.4/6
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:278375.9/5
Left: 0.000+/-0.000 χ²/NDF: 1829592.9/12
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:2055937.8/21
Out: 0.000+/-0.000 χ²/NDF:3875290.3/24
All: 0.000+/-0.000 χ²/NDF: 6137081.8/46

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1598.534+/-645.454 χ^2/NDF:5.6/7

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2627.140+/-699.409 χ^2/NDF:13.4/5

Left: 2071.636+/-474.334 χ^2/NDF: 20.2/13

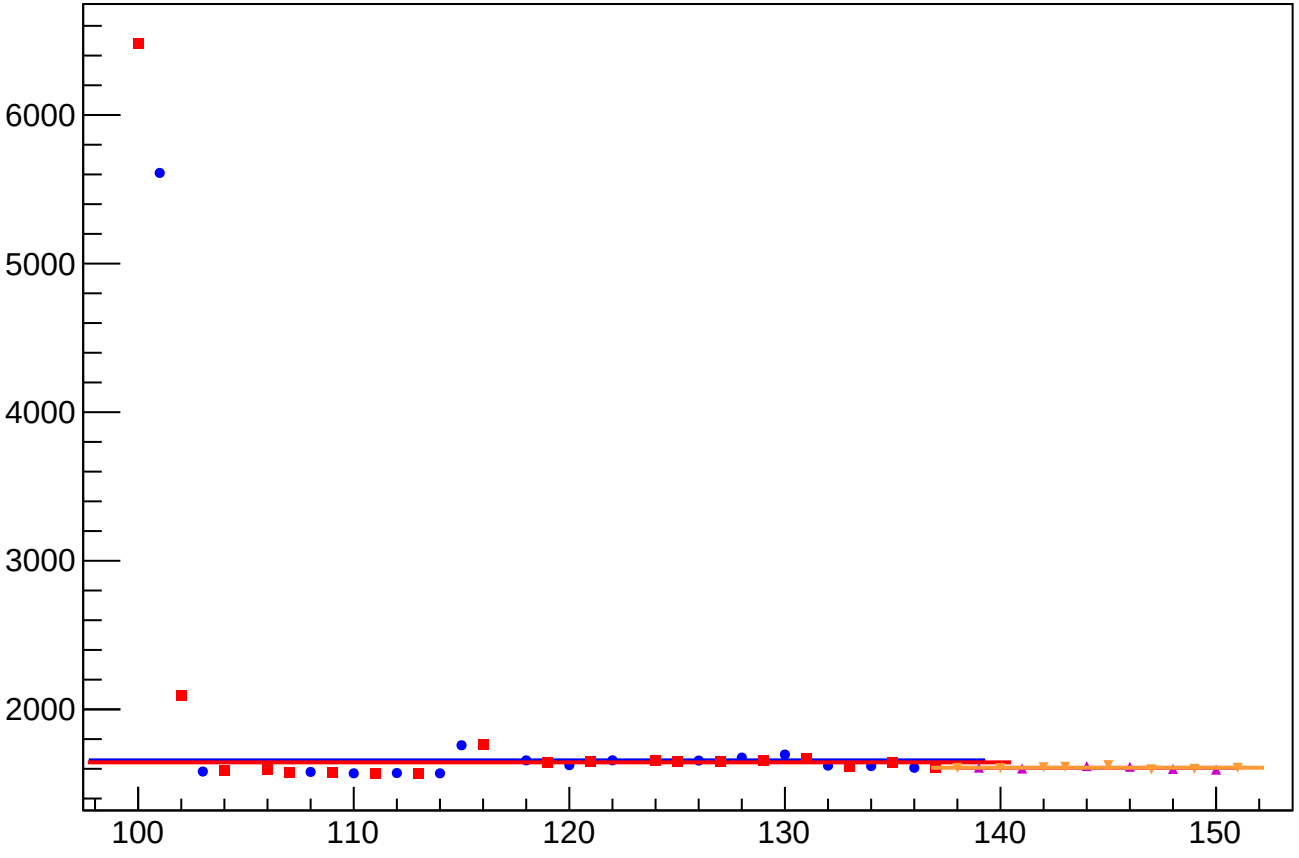
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2529.355+/-468.195 χ^2/NDF:27.3/21

Out: 1962.443+/-443.015 χ^2/NDF:18.0/26

All: 2230.245+/-321.793 χ^2/NDF: 46.1/48

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.442+/-0.456 χ^2/NDF:325.2/7

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1606.005+/-0.495 χ^2/NDF:295.9/5

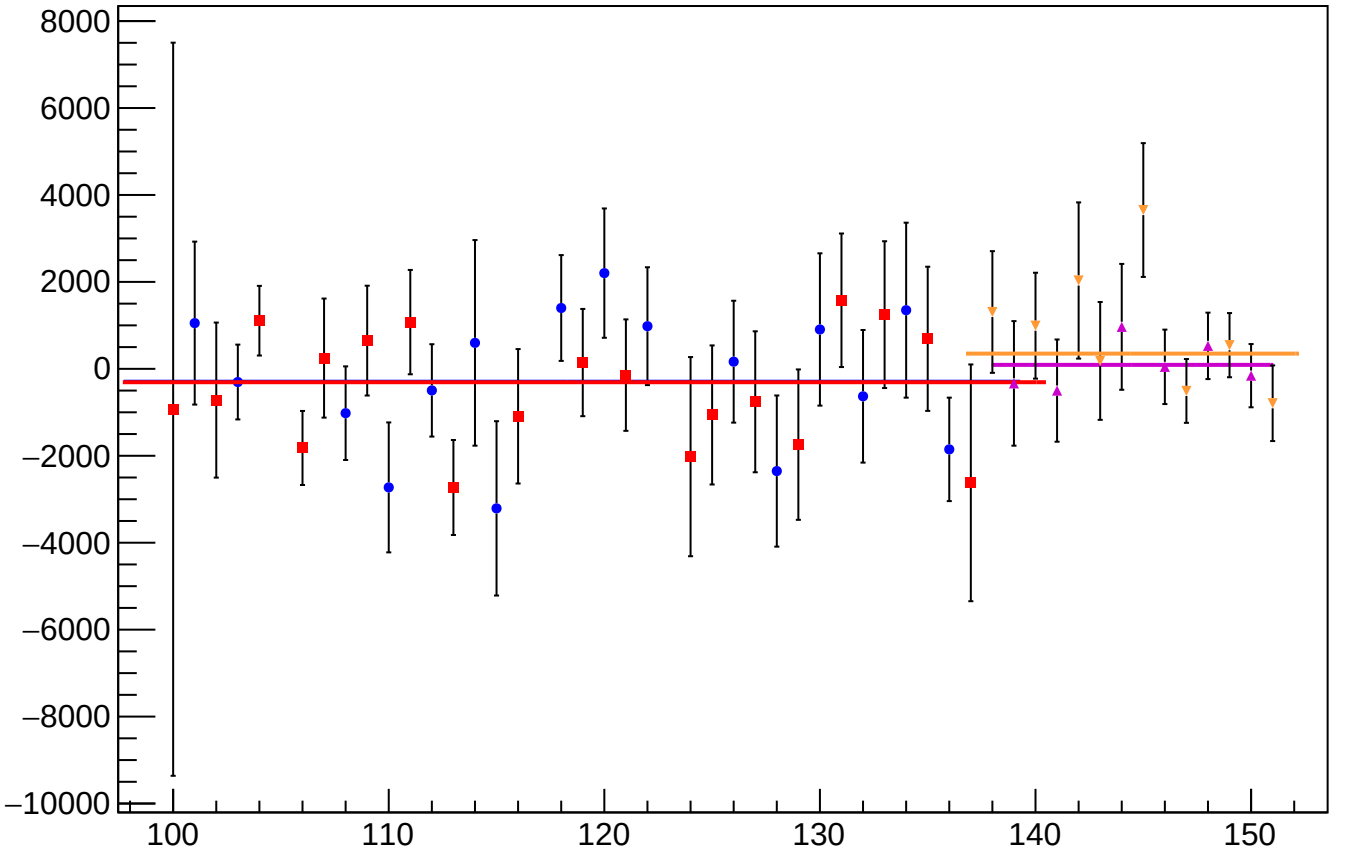
Left: 1606.781+/-0.335 χ^2/NDF: 625.8/13

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1633.973+/-0.331 χ^2/NDF:672317.3/21

Out: 1626.477+/-0.313 χ^2/NDF:140611.5/26

All: 1630.018+/-0.228 χ^2/NDF: 813199.3/48



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 350.325+/-365.829 χ^2/NDF:9.4/7

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 91.134+/-387.651 χ^2/NDF:1.2/5

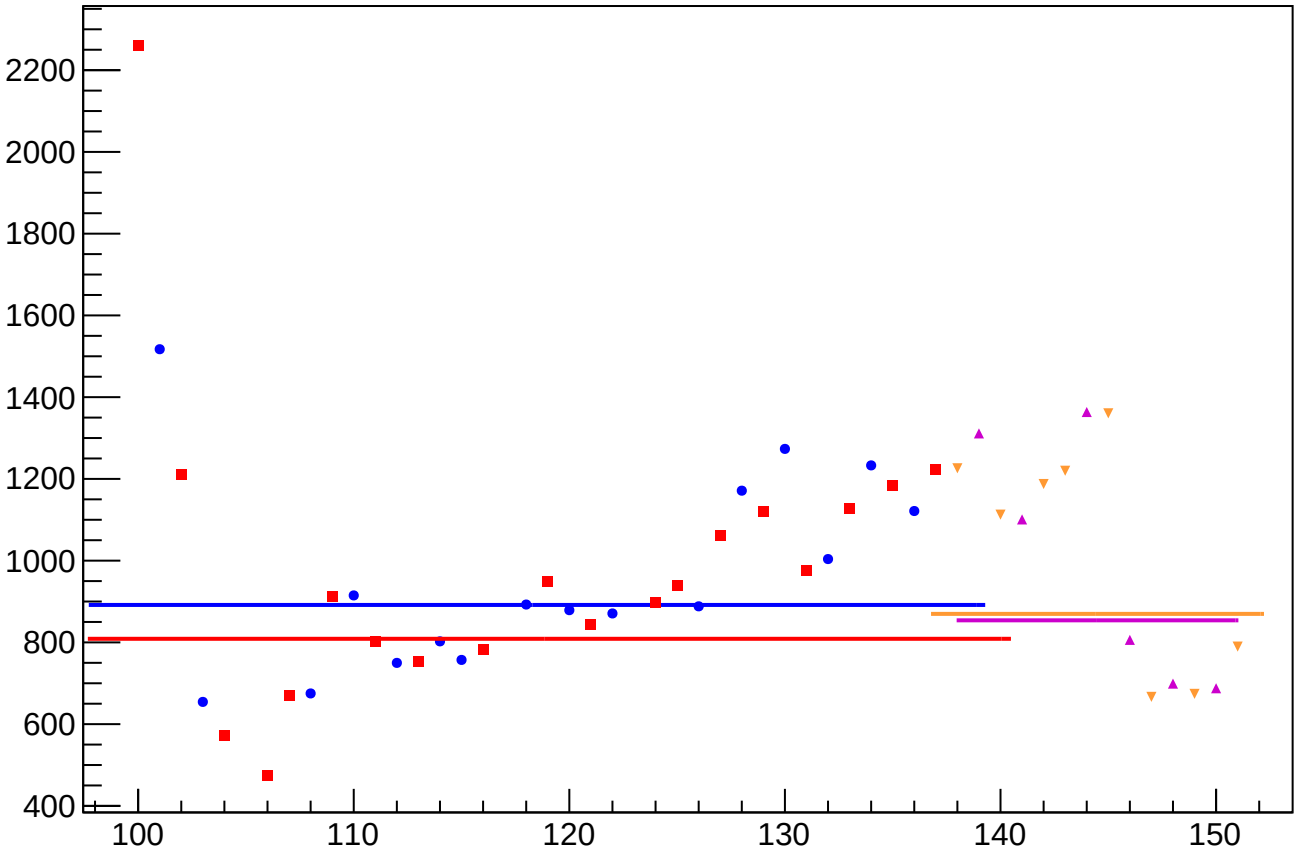
Left: 228.230+/-266.060 χ^2/NDF: 10.8/13

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -126.013+/-257.063 χ^2/NDF:17.7/21

Out: -29.596+/-237.819 χ^2/NDF:30.0/26

All: -74.061+/-174.571 χ^2/NDF: 47.7/48



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 869.775+/-0.259 χ^2/NDF:918835.3/7

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 853.989+/-0.274 χ^2/NDF:732485.2/5

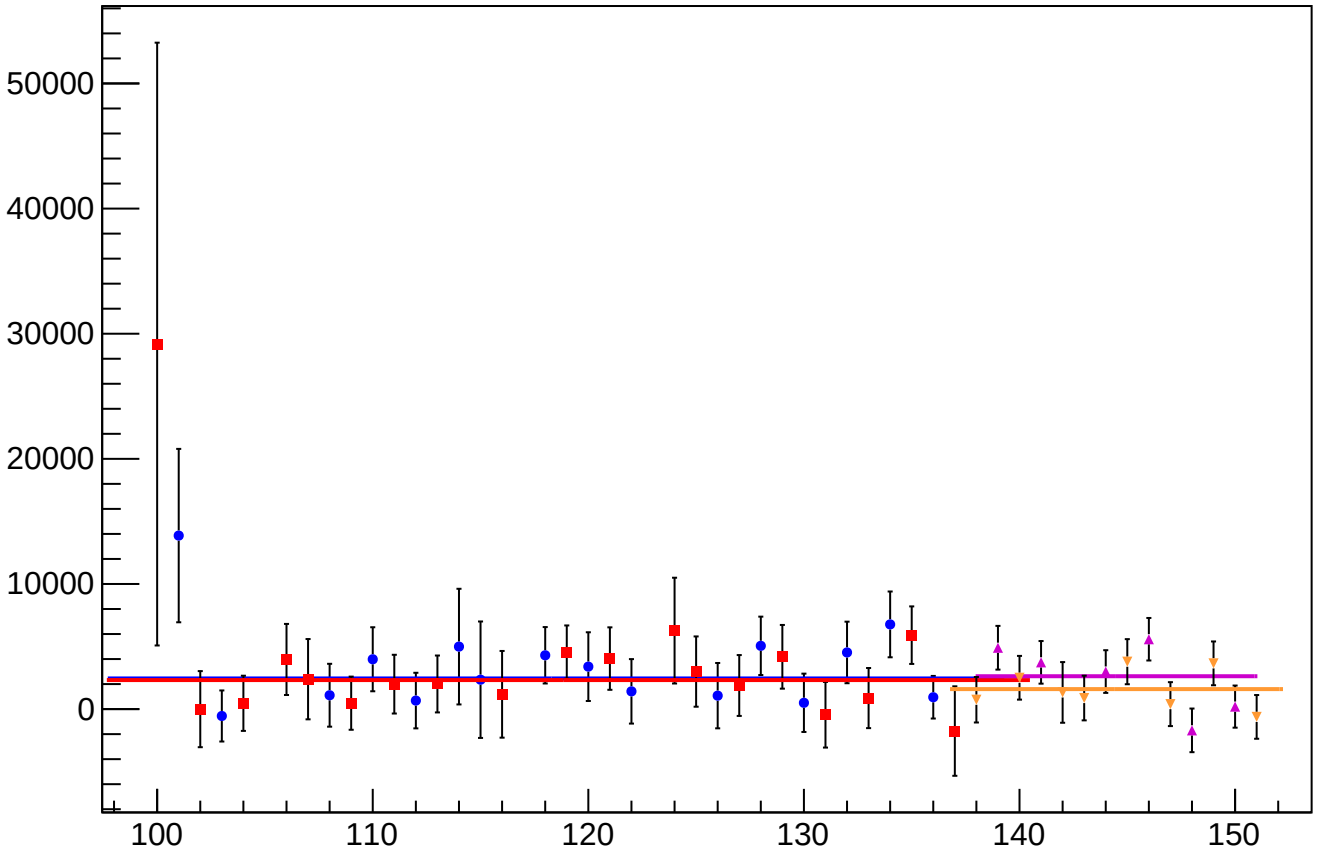
Left: 862.339+/-0.188 χ^2/NDF: 1653074.9/13

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 875.079+/-0.182 χ^2/NDF:1536948.9/21

Out: 834.574+/-0.168 χ^2/NDF:2034748.5/26

All: 853.254+/-0.123 χ^2/NDF: 3598453.6/48



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1598.549+/-645.454 χ^2/NDF:5.6/7

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2627.353+/-699.409 χ^2/NDF:13.4/5

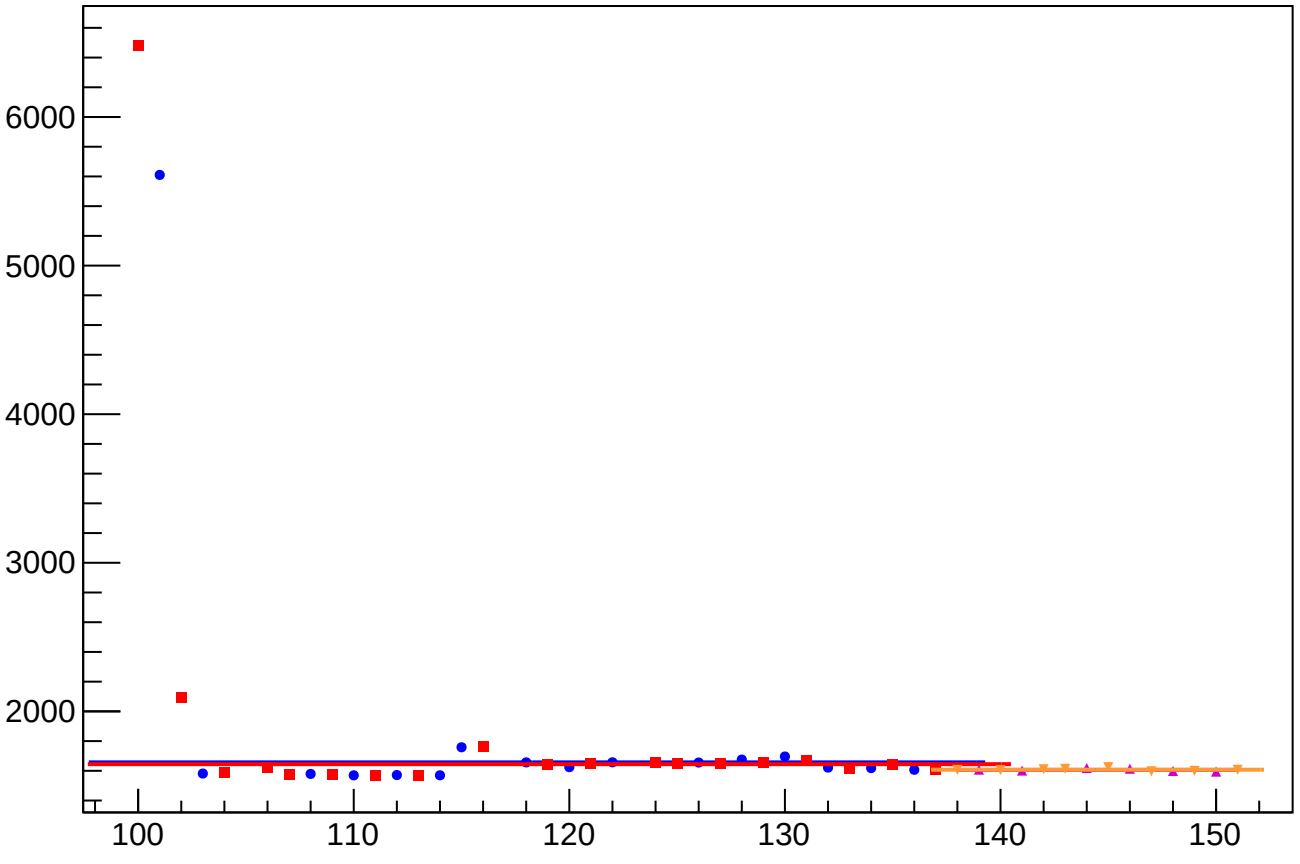
Left: 2071.743+/-474.334 χ^2/NDF: 20.2/13

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2529.142+/-468.195 χ^2/NDF:27.3/21

Out: 1980.138+/-443.208 χ^2/NDF:18.3/26

All: 2239.600+/-321.866 χ^2/NDF: 46.4/48



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.442+/-0.456 χ^2/NDF:325.2/7

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1606.005+/-0.495 χ^2/NDF:295.9/5

Left: 1606.781+/-0.335 χ^2/NDF: 625.8/13

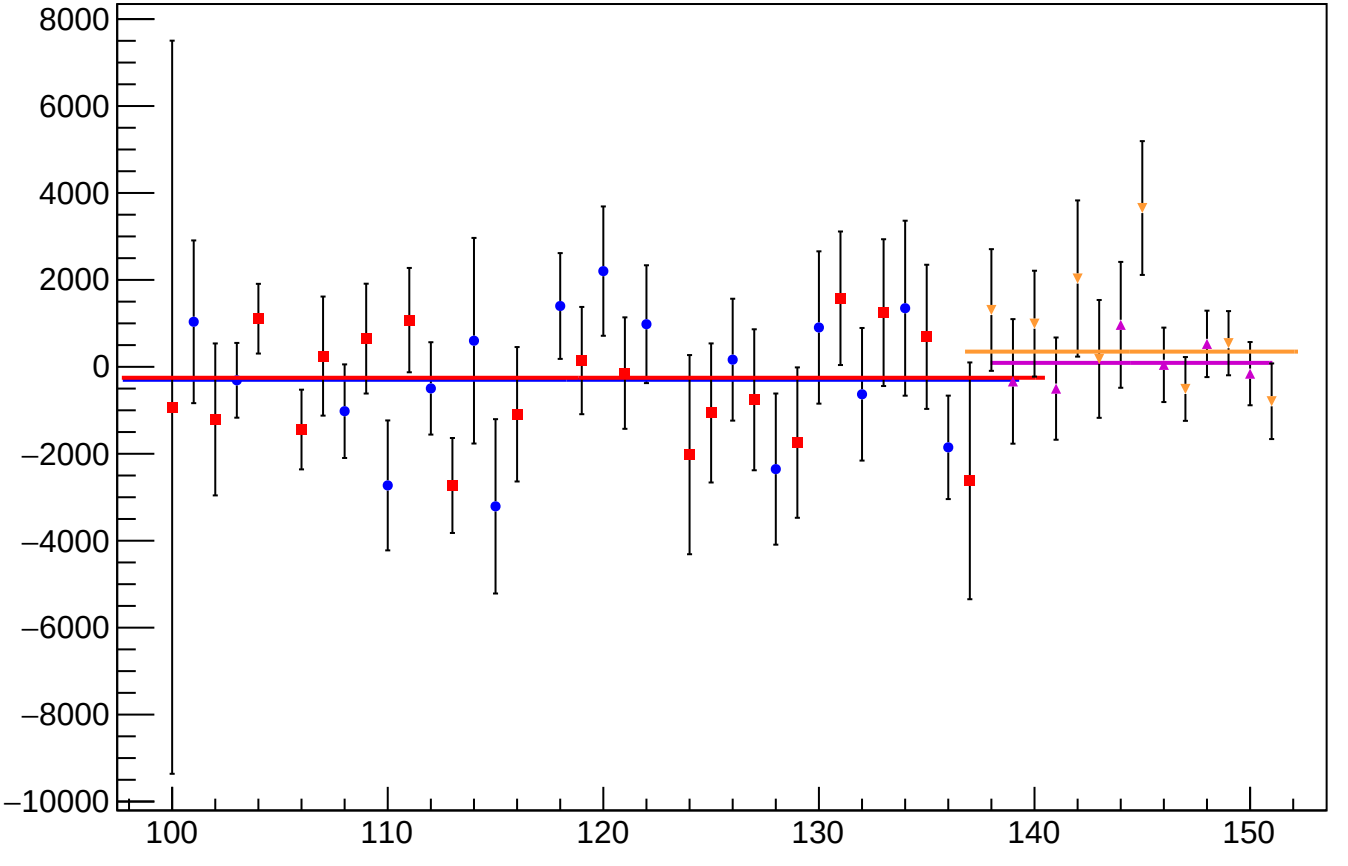
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1633.973+/-0.331 χ^2/NDF:672316.8/21

Out: 1627.150+/-0.313 χ^2/NDF:140336.4/26

All: 1630.375+/-0.228 χ^2/NDF: 812877.2/48

asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 350.203+/-365.822 χ^2/NDF:9.4/7

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 91.172+/-387.654 χ^2/NDF:1.2/5

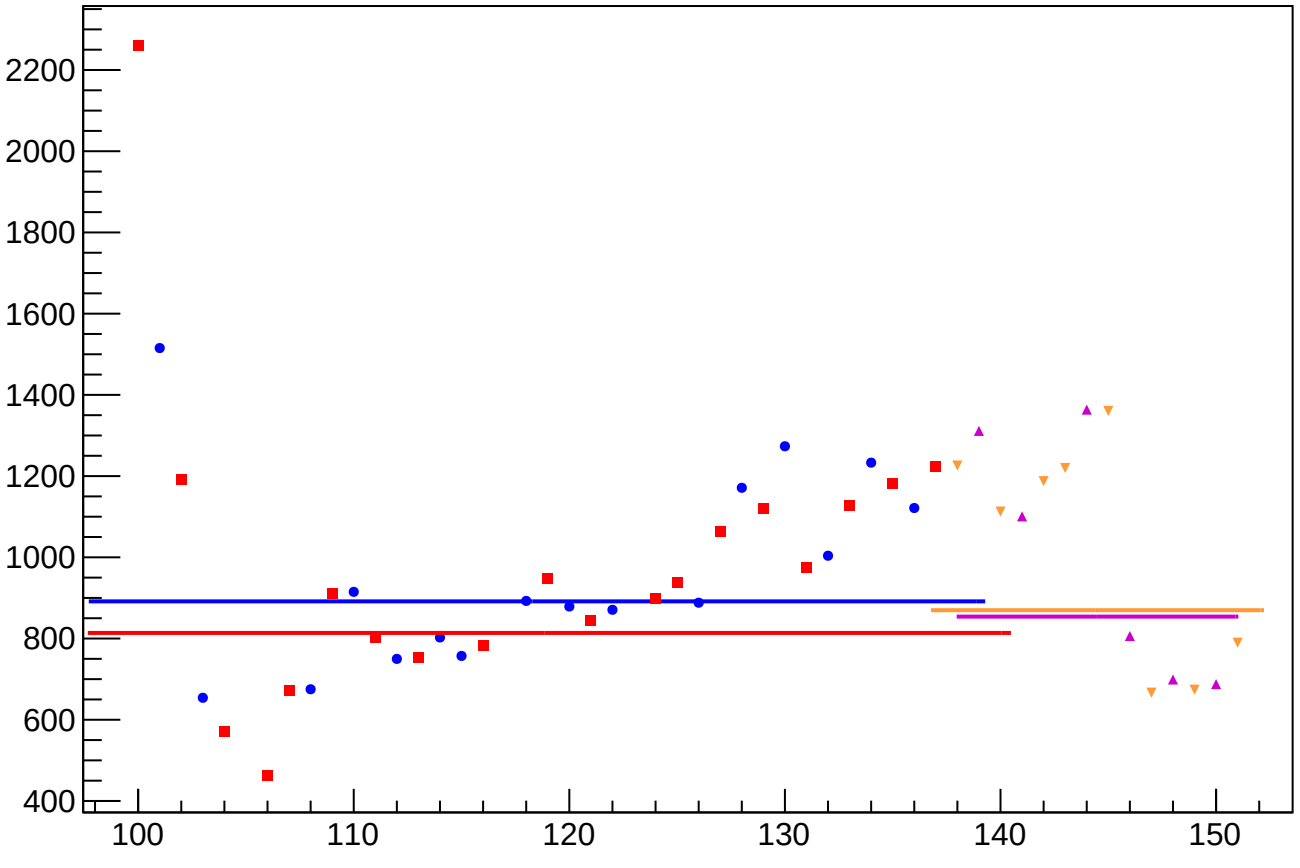
Left: 228.187+/-266.059 χ^2/NDF: 10.8/13

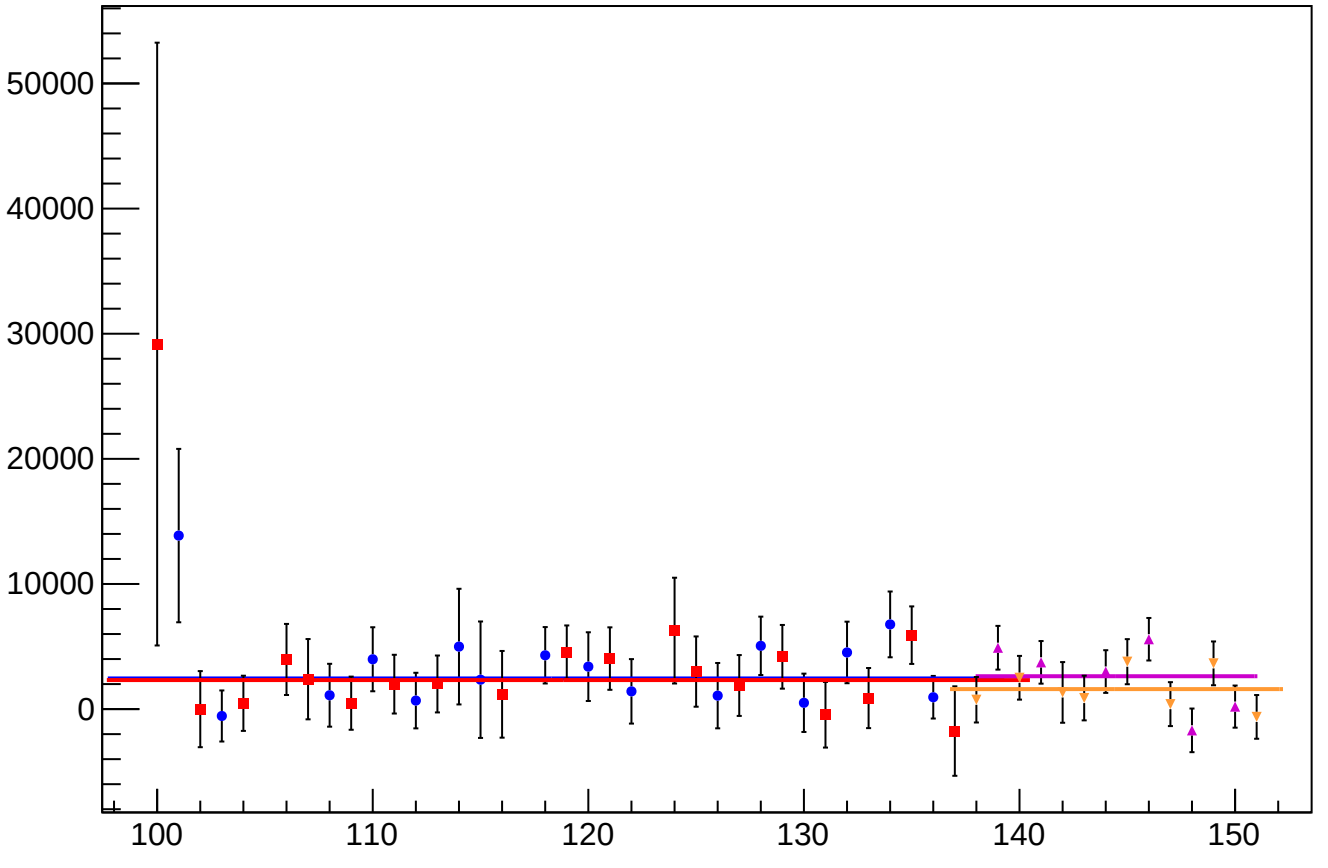
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -126.776+/-257.045 χ^2/NDF:17.7/21

Out: 5.538+/-239.027 χ^2/NDF:28.2/26

All: -55.820+/-175.041 χ^2/NDF: 46.0/48


asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
Right In: 891.533+/-0.243 χ²/NDF: 793657.2/15
Left Out: 869.757+/-0.259 χ²/NDF:918867.0/7
Right Out: 813.807+/-0.223 χ²/NDF: 1052991.6/18
Left In: 853.998+/-0.274 χ²/NDF:732470.7/5
Left: 862.334+/-0.188 χ²/NDF: 1653086.0/13
Right: 849.416+/-0.164 χ²/NDF: 1902171.7/34
In: 875.030+/-0.182 χ²/NDF:1536634.2/21
Out: 837.694+/-0.169 χ²/NDF:1998668.8/26
All: 855.008+/-0.124 χ²/NDF: 3557931.6/48



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 1598.549+/-645.454 χ^2/NDF:5.6/7

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2627.353+/-699.409 χ^2/NDF:13.4/5

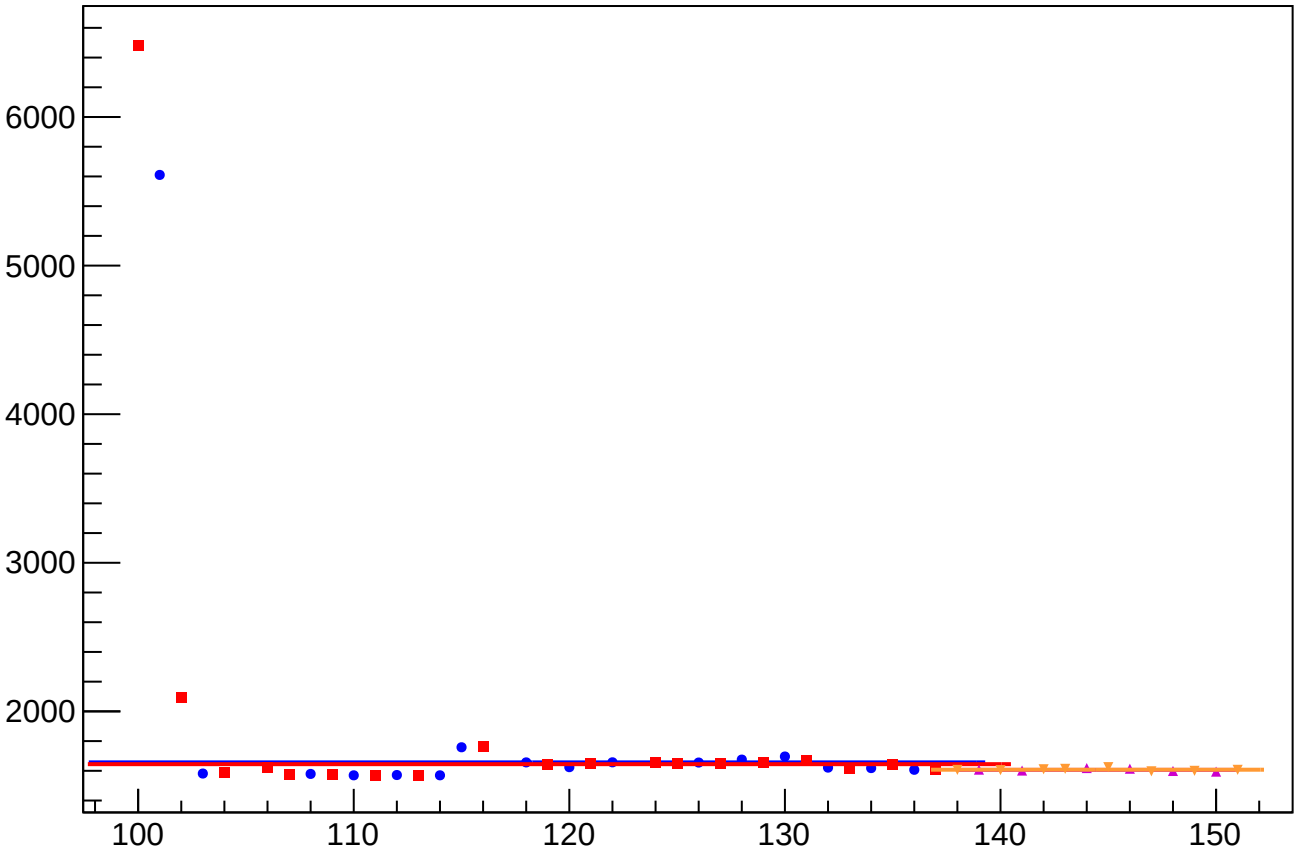
Left: 2071.743+/-474.334 χ^2/NDF: 20.2/13

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2529.142+/-468.195 χ^2/NDF:27.3/21

Out: 1980.138+/-443.208 χ^2/NDF:18.3/26

All: 2239.600+/-321.866 χ^2/NDF: 46.4/48



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.442+/-0.456 χ^2/NDF:325.2/7

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1606.005+/-0.495 χ^2/NDF:295.9/5

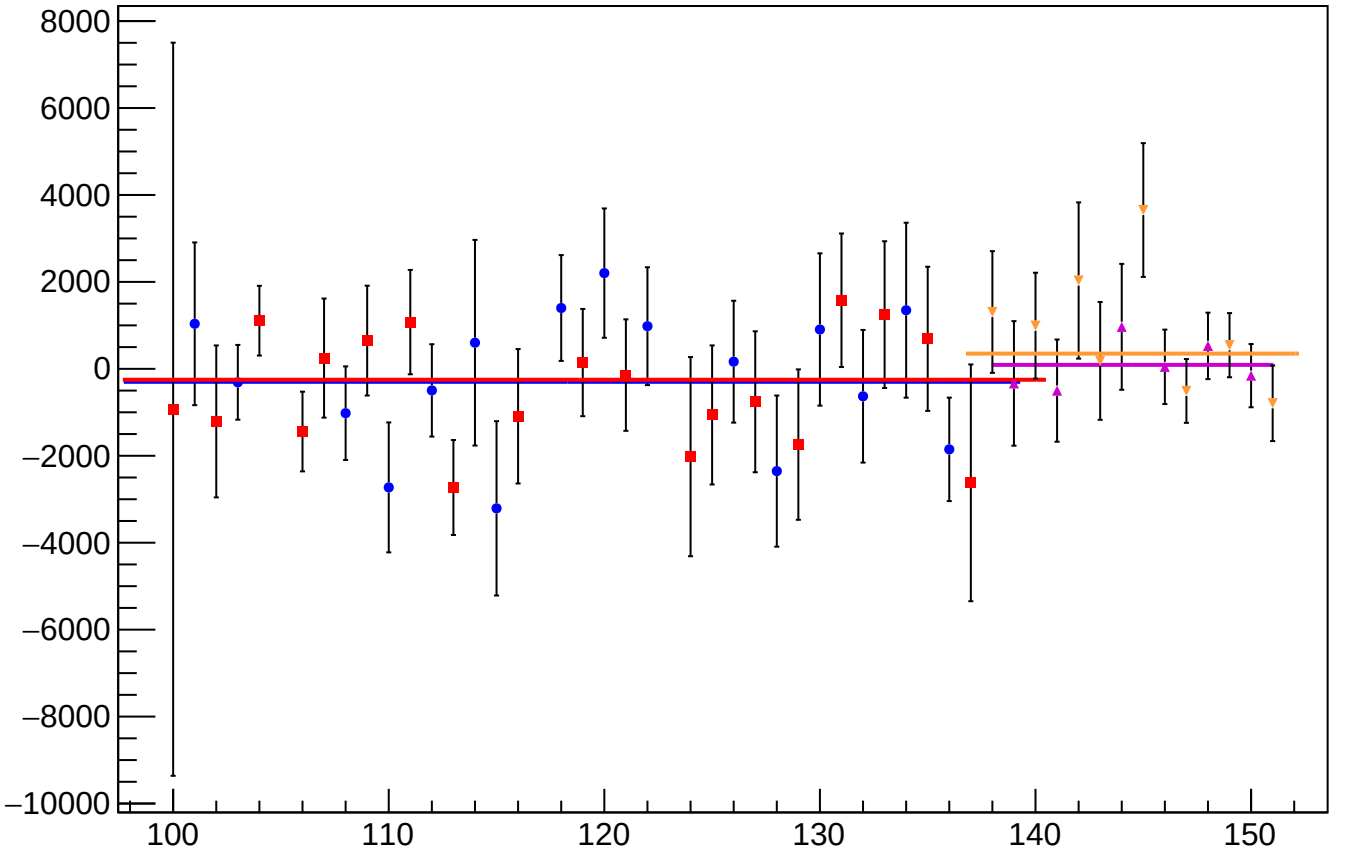
Left: 1606.781+/-0.335 χ^2/NDF: 625.8/13

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1633.973+/-0.331 χ^2/NDF:672316.8/21

Out: 1627.150+/-0.313 χ^2/NDF:140336.4/26

All: 1630.375+/-0.228 χ^2/NDF: 812877.2/48



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 350.203+/-365.822 χ^2/NDF:9.4/7

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 91.172+/-387.654 χ^2/NDF:1.2/5

Left: 228.187+/-266.059 χ^2/NDF: 10.8/13

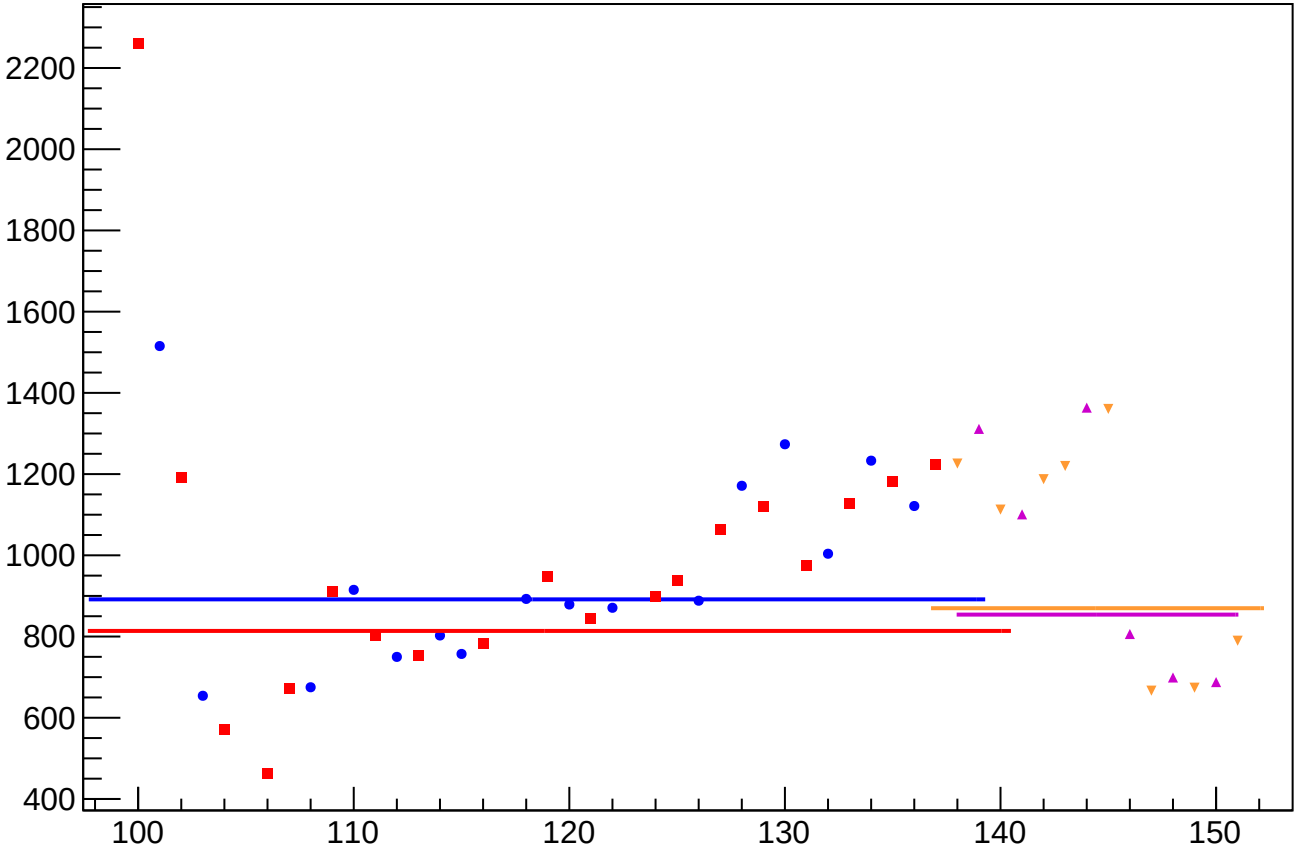
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -126.776+/-257.045 χ^2/NDF:17.7/21

Out: 5.538+/-239.027 χ^2/NDF:28.2/26

All: -55.820+/-175.041 χ^2/NDF: 46.0/48

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: 869.757+/-0.259 χ^2/NDF:918867.0/7

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 853.998+/-0.274 χ^2/NDF:732470.7/5

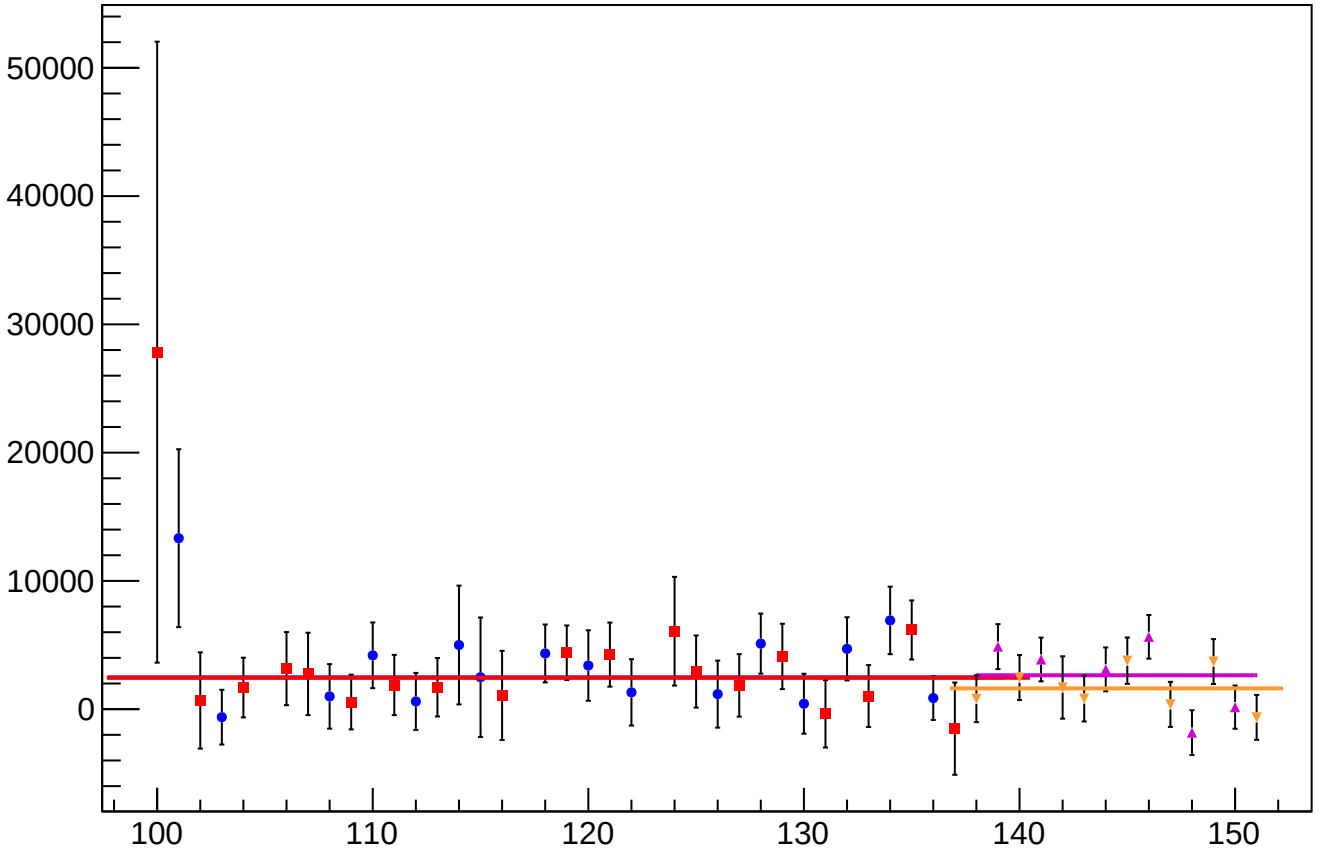
Left: 862.334+/-0.188 χ^2/NDF: 1653086.0/13

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 875.030+/-0.182 χ^2/NDF:1536634.2/21

Out: 837.694+/-0.169 χ^2/NDF:1998668.8/26

All: 855.008+/-0.124 χ^2/NDF: 3557931.6/48



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1619.088+/-646.672 χ^2/NDF:5.7/7

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2641.821+/-700.516 χ^2/NDF:14.1/5

Left: 2089.644+/-475.163 χ^2/NDF: 20.9/13

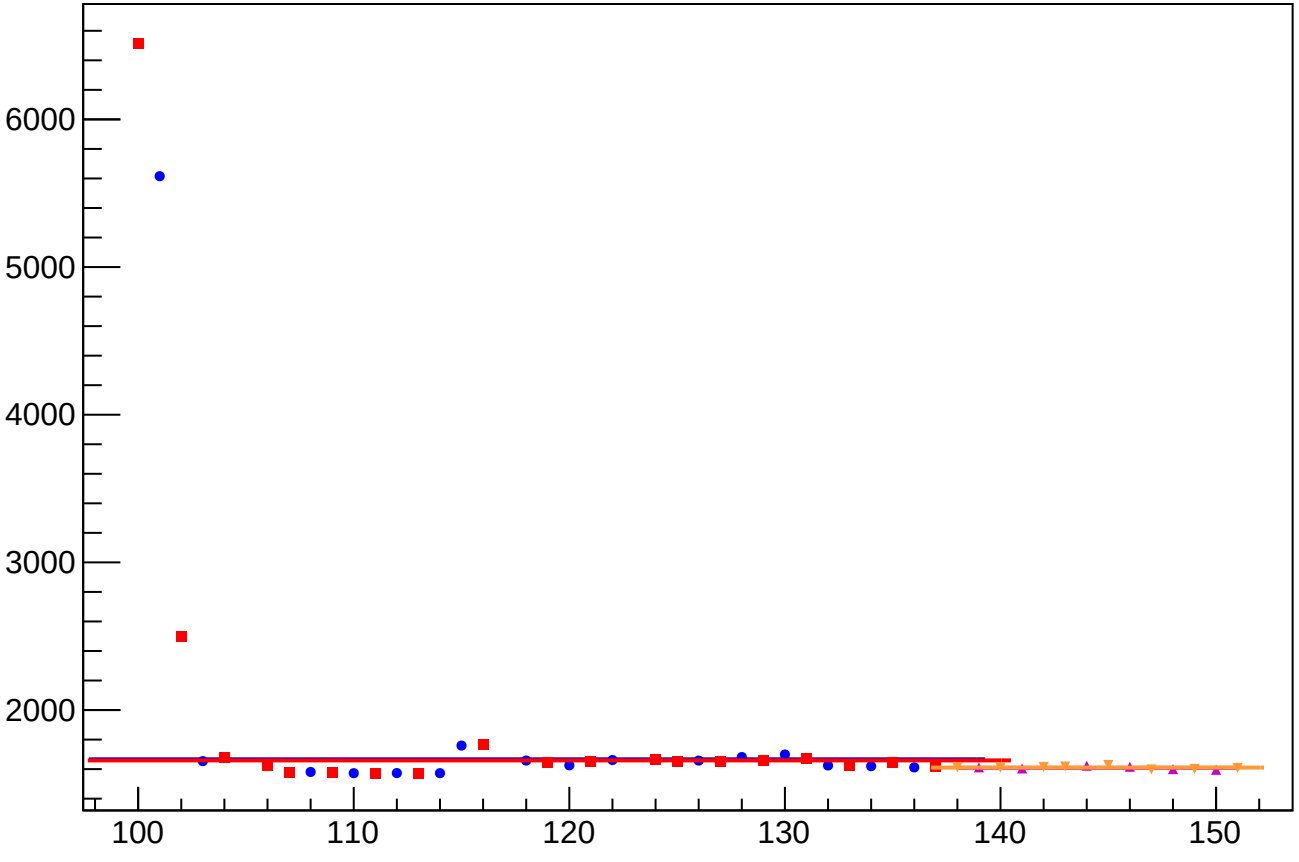
Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2550.224+/-470.012 χ^2/NDF:28.3/21

Out: 2053.192+/-446.608 χ^2/NDF:17.1/26

All: 2289.025+/-323.757 χ^2/NDF: 46.0/48

dit_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.464+/-0.457 χ^2/NDF:398.5/7

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1608.518+/-0.495 χ^2/NDF:369.4/5

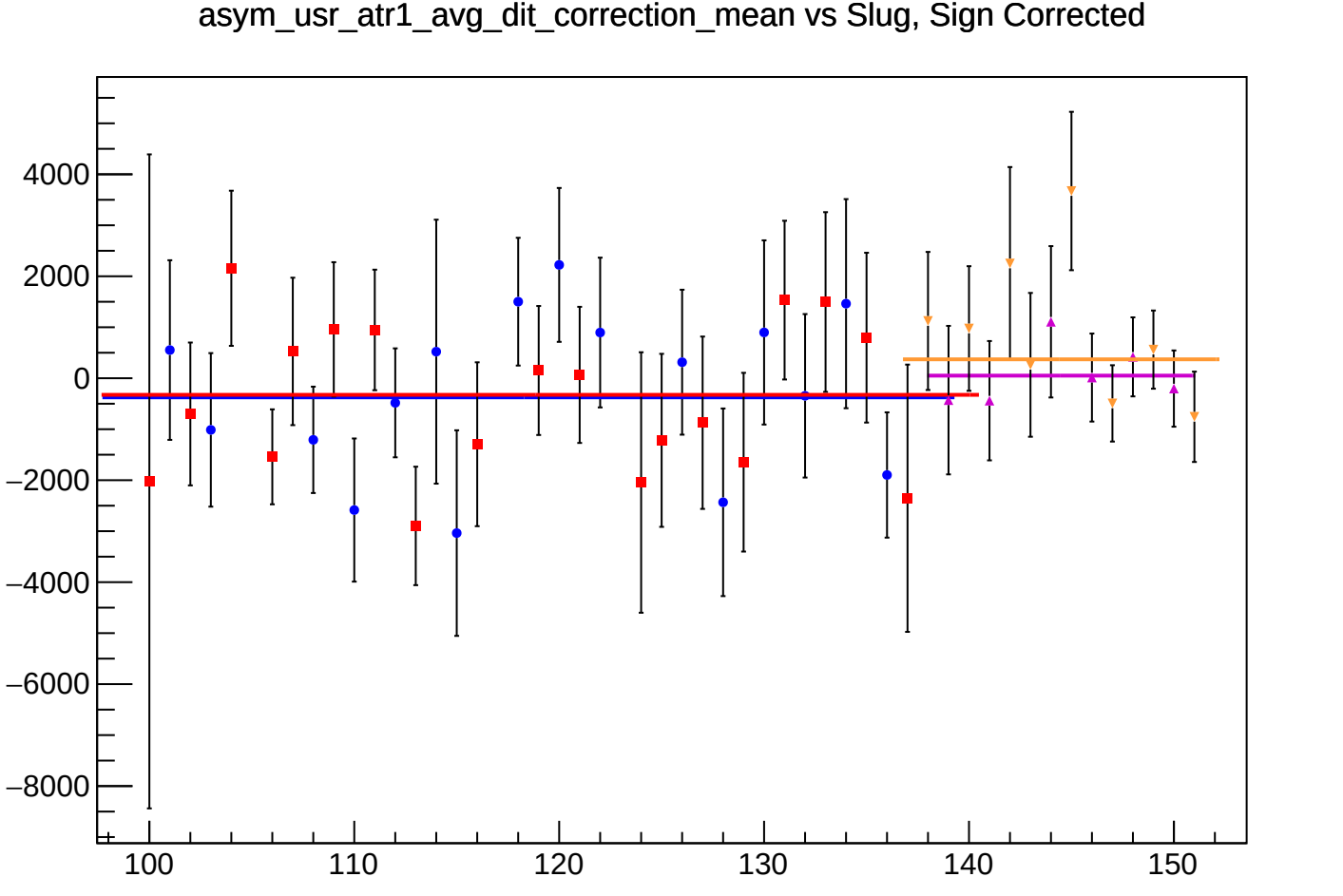
Left: 1609.569+/-0.336 χ^2/NDF: 776.3/13

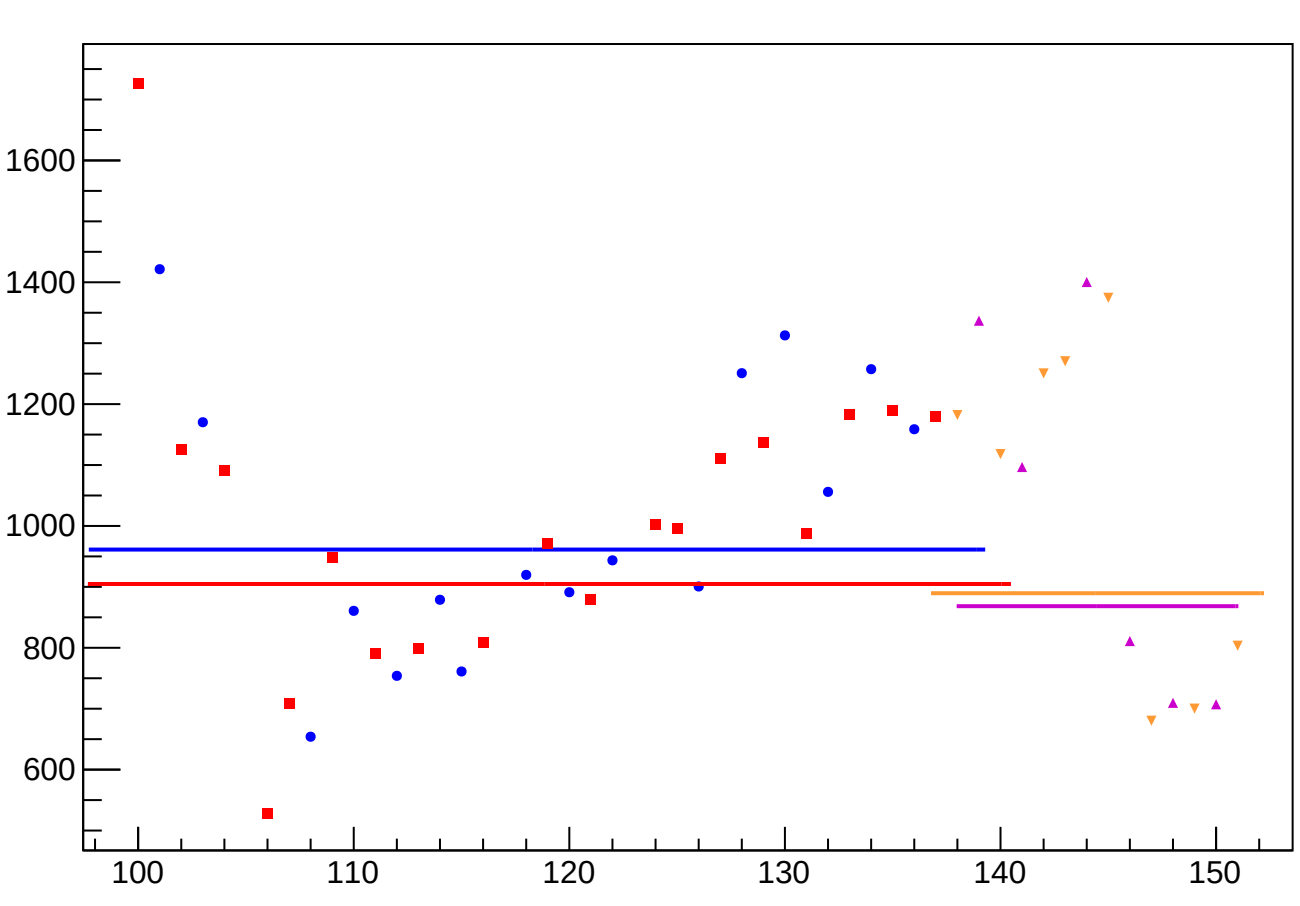
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1640.343+/-0.332 χ^2/NDF:670791.6/21

Out: 1635.853+/-0.316 χ^2/NDF:199516.1/26

All: 1637.983+/-0.229 χ^2/NDF: 870403.5/48


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: 370.842+/-373.411 χ²/NDF:9.1/7
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 51.193+/-393.657 χ²/NDF:1.1/5
Left: 219.449+/-270.916 χ²/NDF: 10.6/13
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -176.058+/-268.807 χ²/NDF:17.5/21
Out: -9.333+/-251.651 χ²/NDF:28.4/26
All: -87.206+/-183.710 χ²/NDF: 46.1/48



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 889.583+/-0.264 χ^2/NDF:874002.0/7

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 868.304+/-0.278 χ^2/NDF:725674.7/5

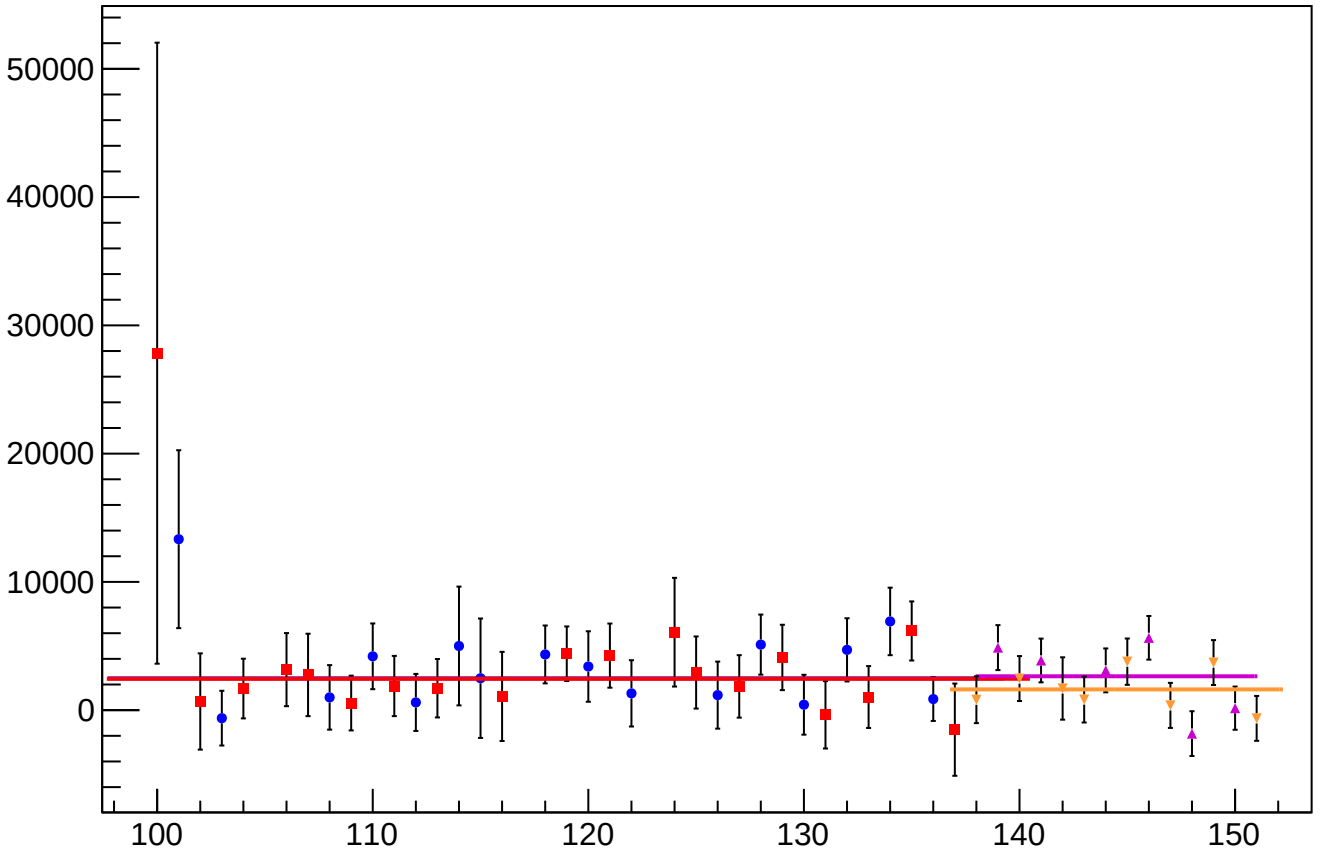
Left: 879.505+/-0.192 χ^2/NDF: 1602753.0/13

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 917.907+/-0.190 χ^2/NDF:1477048.6/21

Out: 897.854+/-0.178 χ^2/NDF:1612284.3/26

All: 907.220+/-0.130 χ^2/NDF: 3095264.6/48



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 1619.090+/-646.672 χ^2/NDF:5.7/7

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2641.821+/-700.516 χ^2/NDF:14.1/5

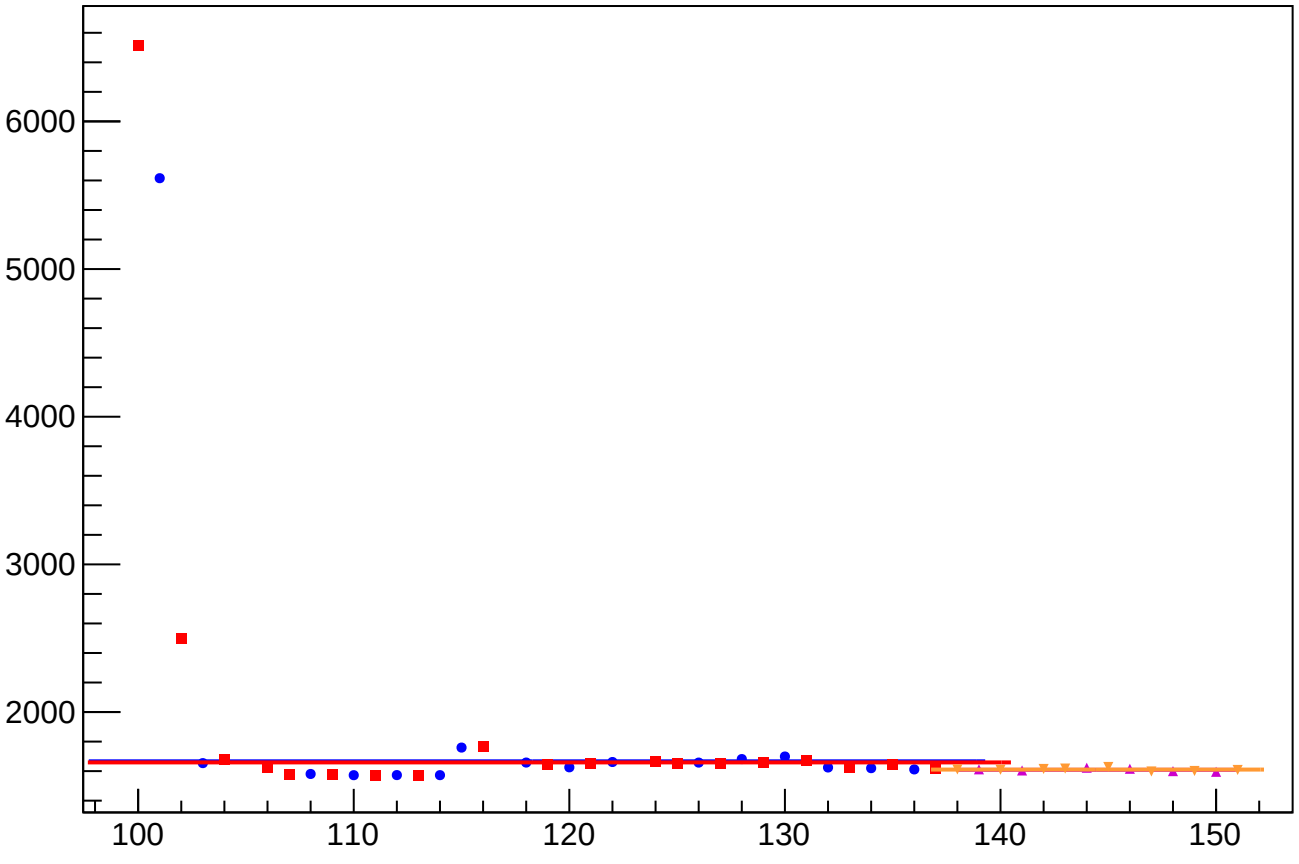
Left: 2089.644+/-475.163 χ^2/NDF: 20.9/13

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2550.224+/-470.012 χ^2/NDF:28.3/21

Out: 2053.192+/-446.608 χ^2/NDF:17.1/26

All: 2289.025+/-323.757 χ^2/NDF: 46.0/48



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1610.464+/-0.457 χ^2/NDF:398.5/7

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.518+/-0.495 χ^2/NDF:369.4/5

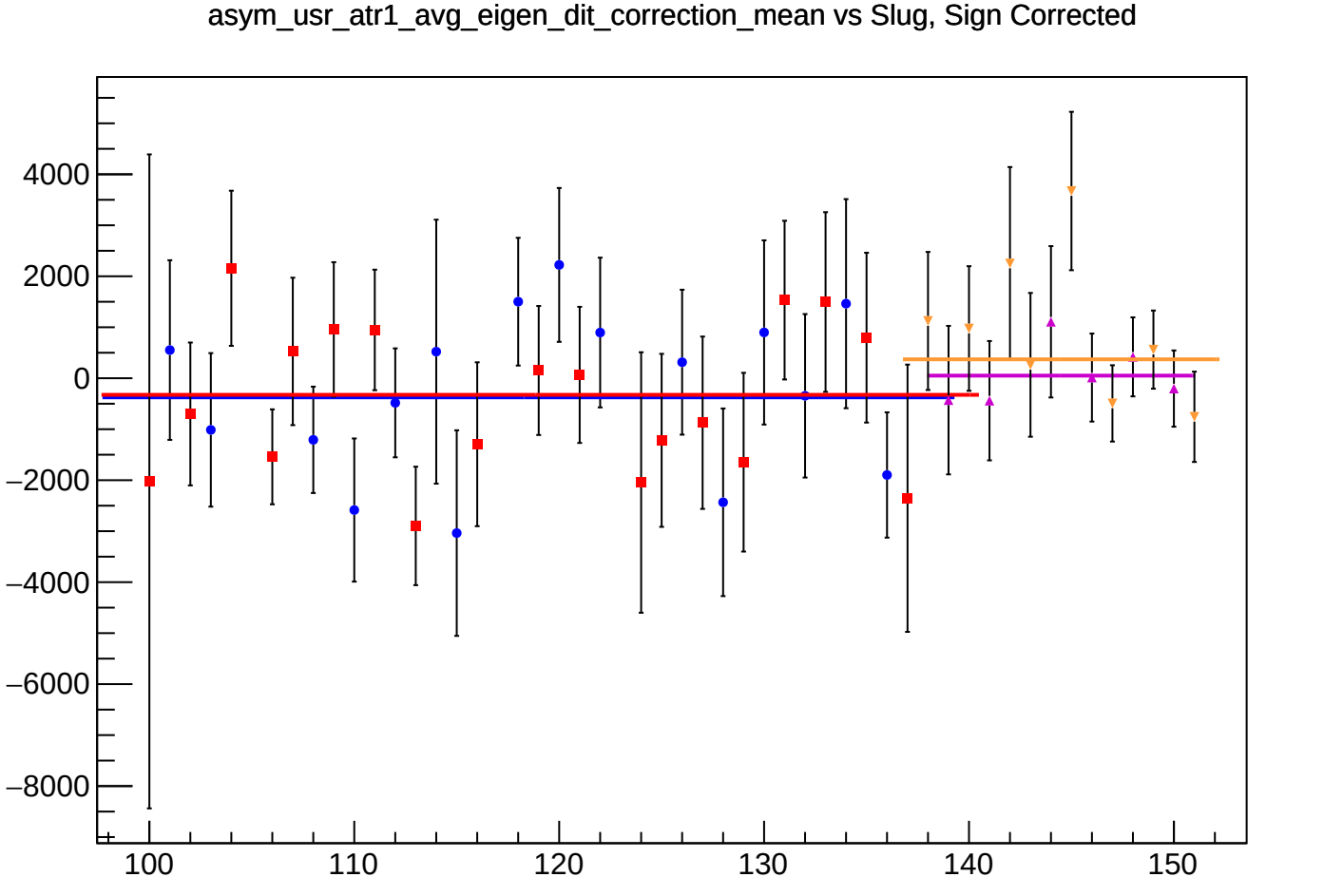
Left: 1609.569+/-0.336 χ^2/NDF: 776.3/13

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1640.343+/-0.332 χ^2/NDF:670791.5/21

Out: 1635.853+/-0.316 χ^2/NDF:199515.8/26

All: 1637.983+/-0.229 χ^2/NDF: 870403.3/48



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 370.841+/-373.412 χ^2/NDF:9.1/7

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 51.193+/-393.658 χ^2/NDF:1.1/5

Left: 219.448+/-270.917 χ^2/NDF: 10.6/13

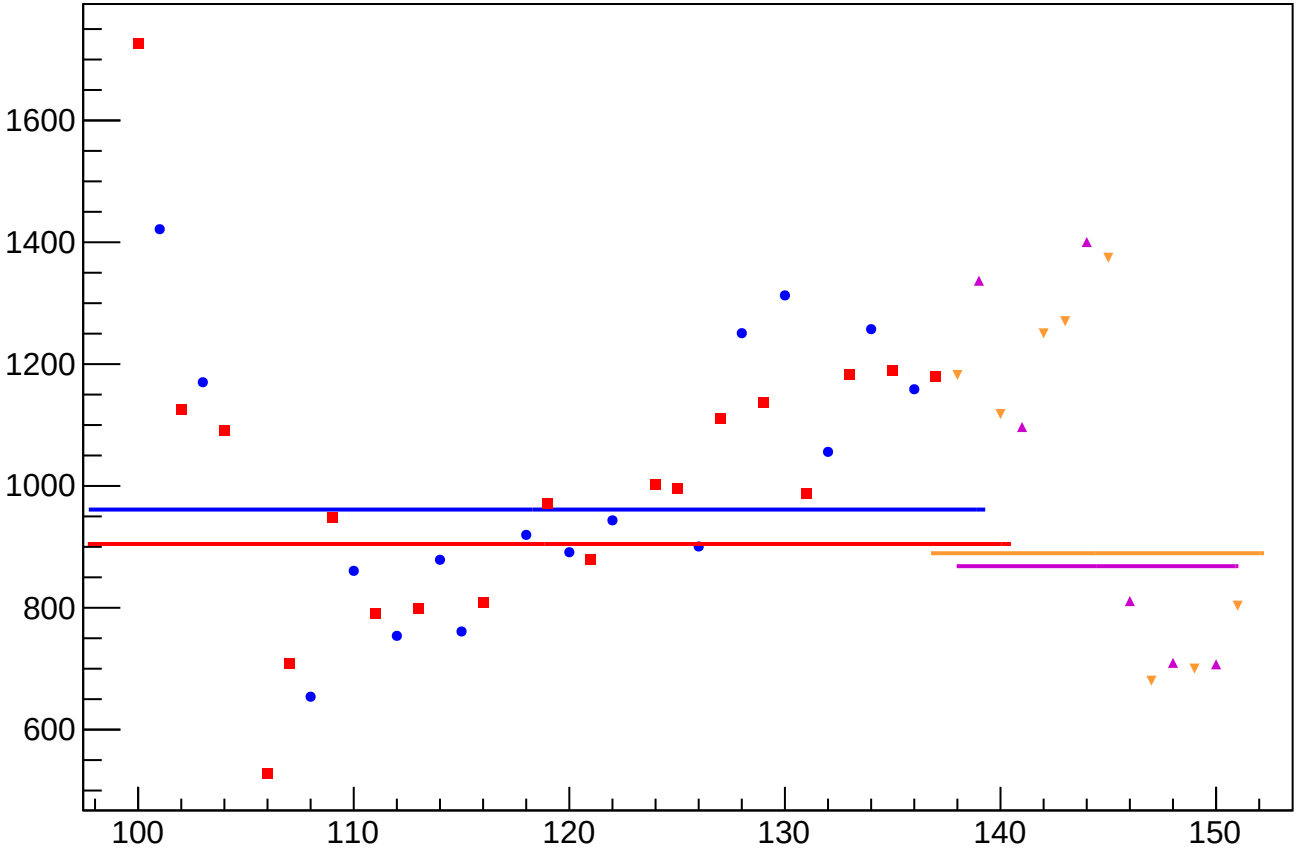
Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -176.059+/-268.806 χ^2/NDF:17.5/21

Out: -9.335+/-251.650 χ^2/NDF:28.4/26

All: -87.207+/-183.710 χ^2/NDF: 46.1/48

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 889.585+/-0.264 χ^2/NDF:874003.0/7

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 868.305+/-0.278 χ^2/NDF:725675.9/5

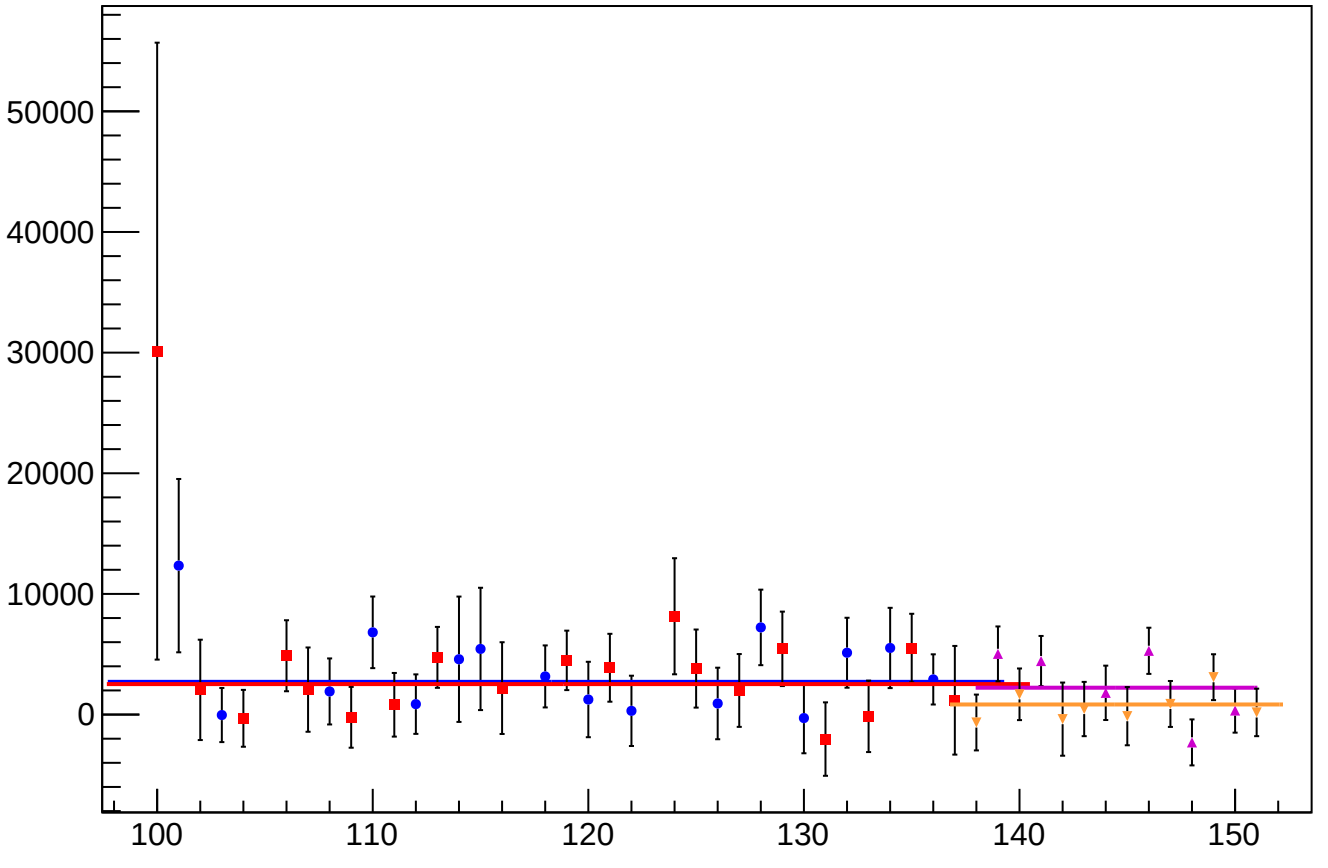
Left: 879.506+/-0.192 χ^2/NDF: 1602755.2/13

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 917.906+/-0.190 χ^2/NDF:1477050.8/21

Out: 897.854+/-0.178 χ^2/NDF:1612281.8/26

All: 907.220+/-0.130 χ^2/NDF: 3095264.1/48



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 836.537+/-768.313 χ^2/NDF:2.5/7

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2225.779+/-825.432 χ^2/NDF:12.0/5

Left: 1481.432+/-562.389 χ^2/NDF: 15.9/13

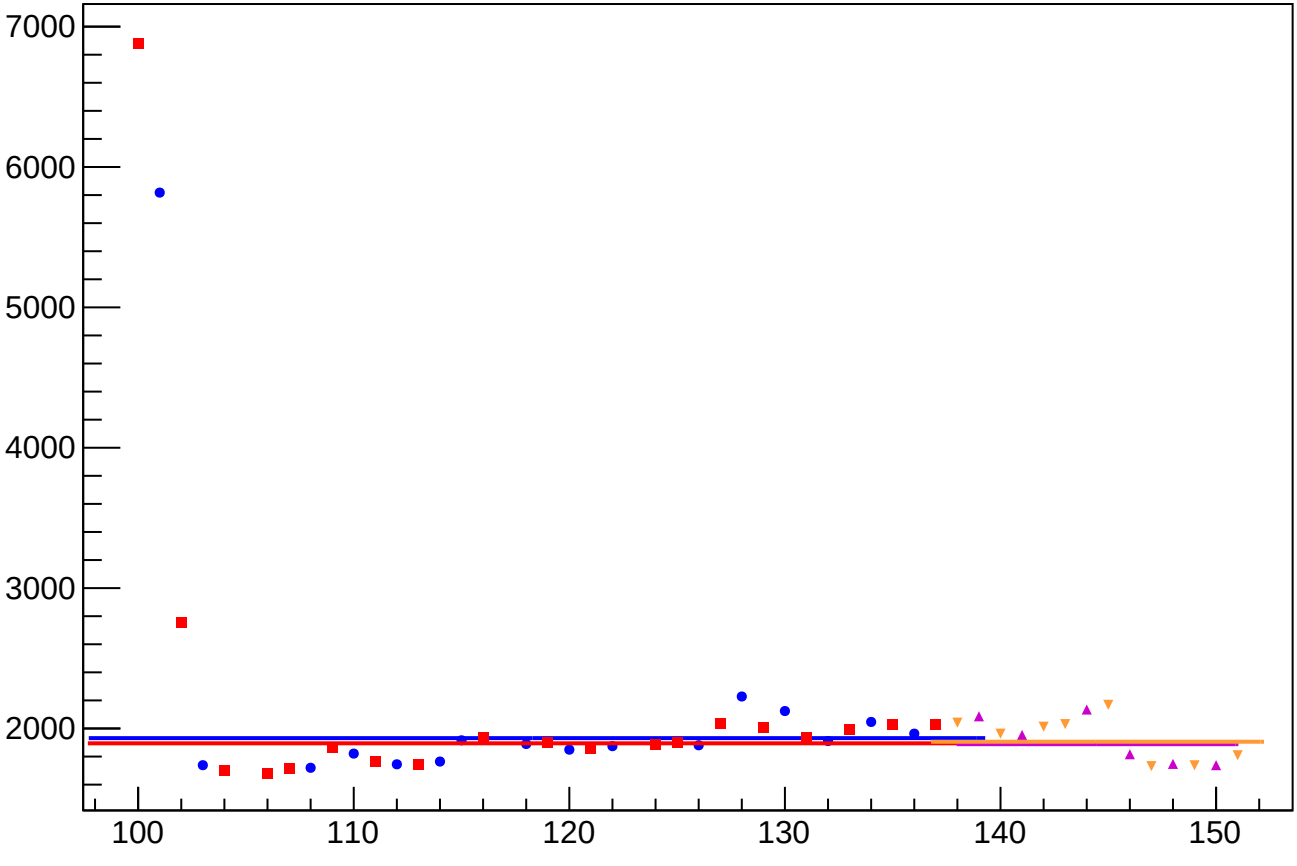
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2496.606+/-548.959 χ^2/NDF:24.3/21

Out: 1751.763+/-520.032 χ^2/NDF:18.3/26

All: 2104.044+/-377.531 χ^2/NDF: 43.6/48

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1905.676+/-0.543 χ^2/NDF:77864.5/7

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1888.128+/-0.584 χ^2/NDF:68229.0/5

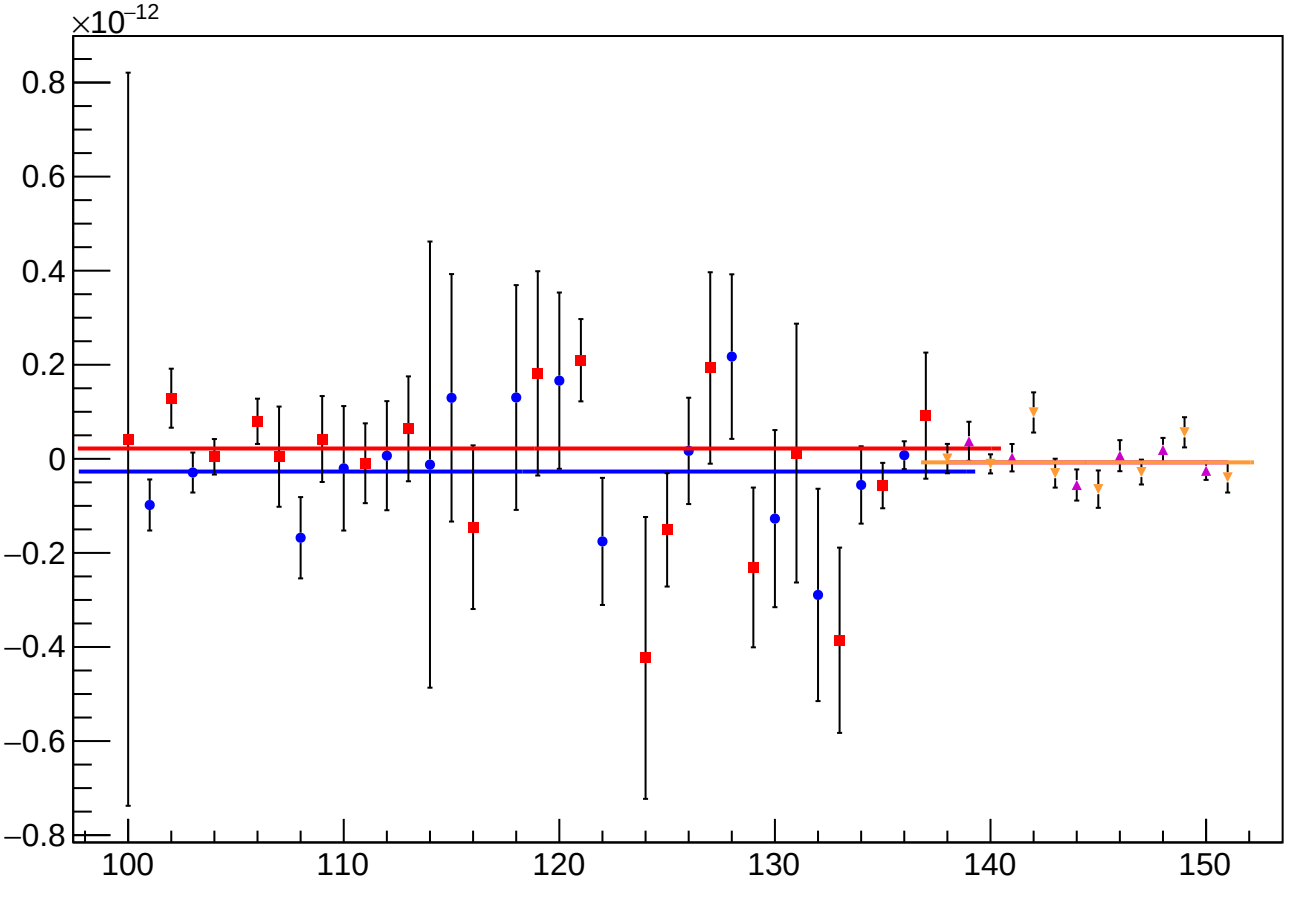
Left: 1897.530+/-0.398 χ^2/NDF: 146577.8/13

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1912.177+/-0.388 χ^2/NDF:732500.2/21

Out: 1899.538+/-0.368 χ^2/NDF:298641.2/26

All: 1905.516+/-0.267 χ^2/NDF: 1031700.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/5

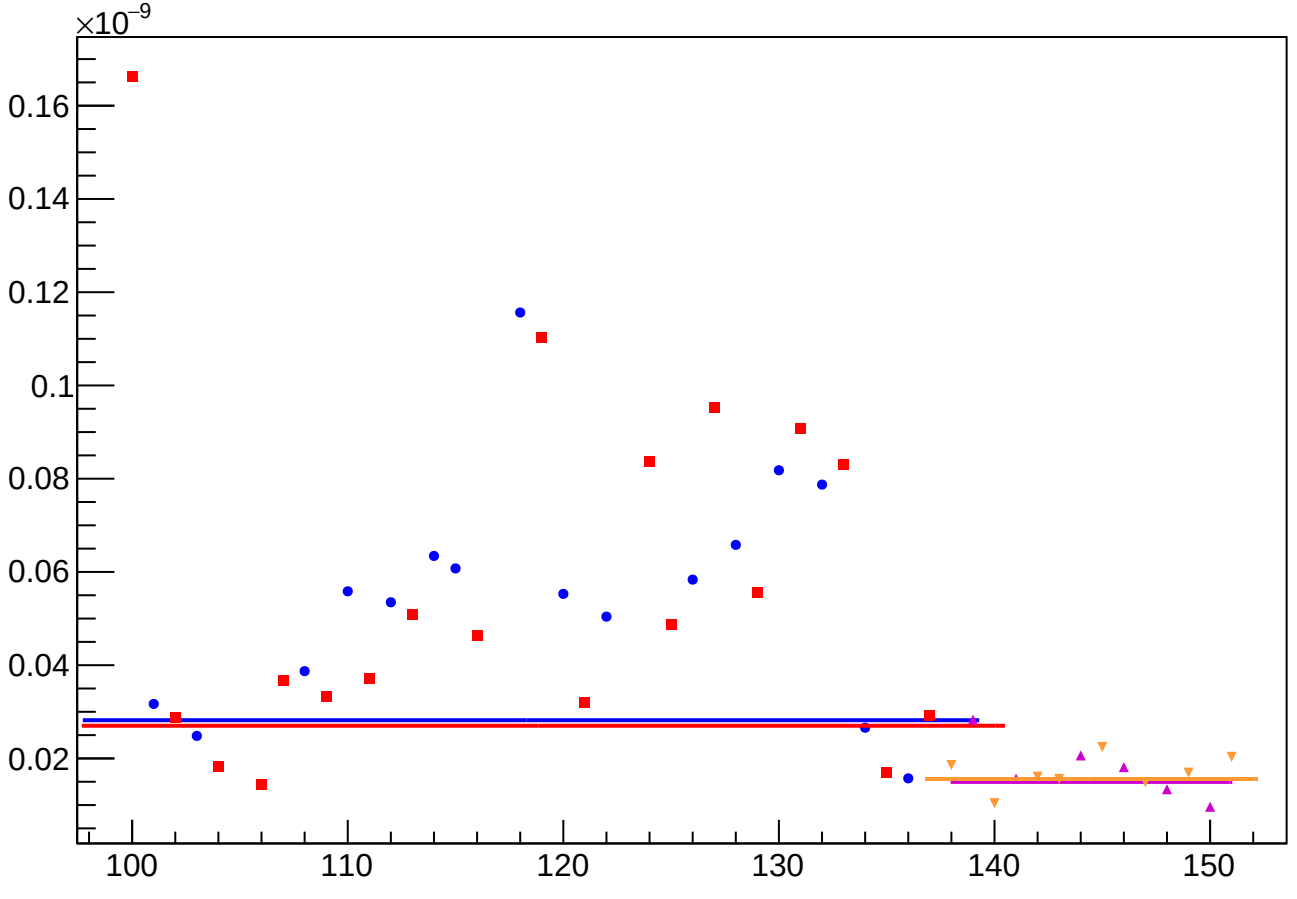
Left: -0.000+/-0.000 χ^2/NDF: 19.9/13

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:19.0/21

Out: -0.000+/-0.000 χ^2/NDF:41.6/26

All: -0.000+/-0.000 χ^2/NDF: 61.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:257116.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:444432.9/5

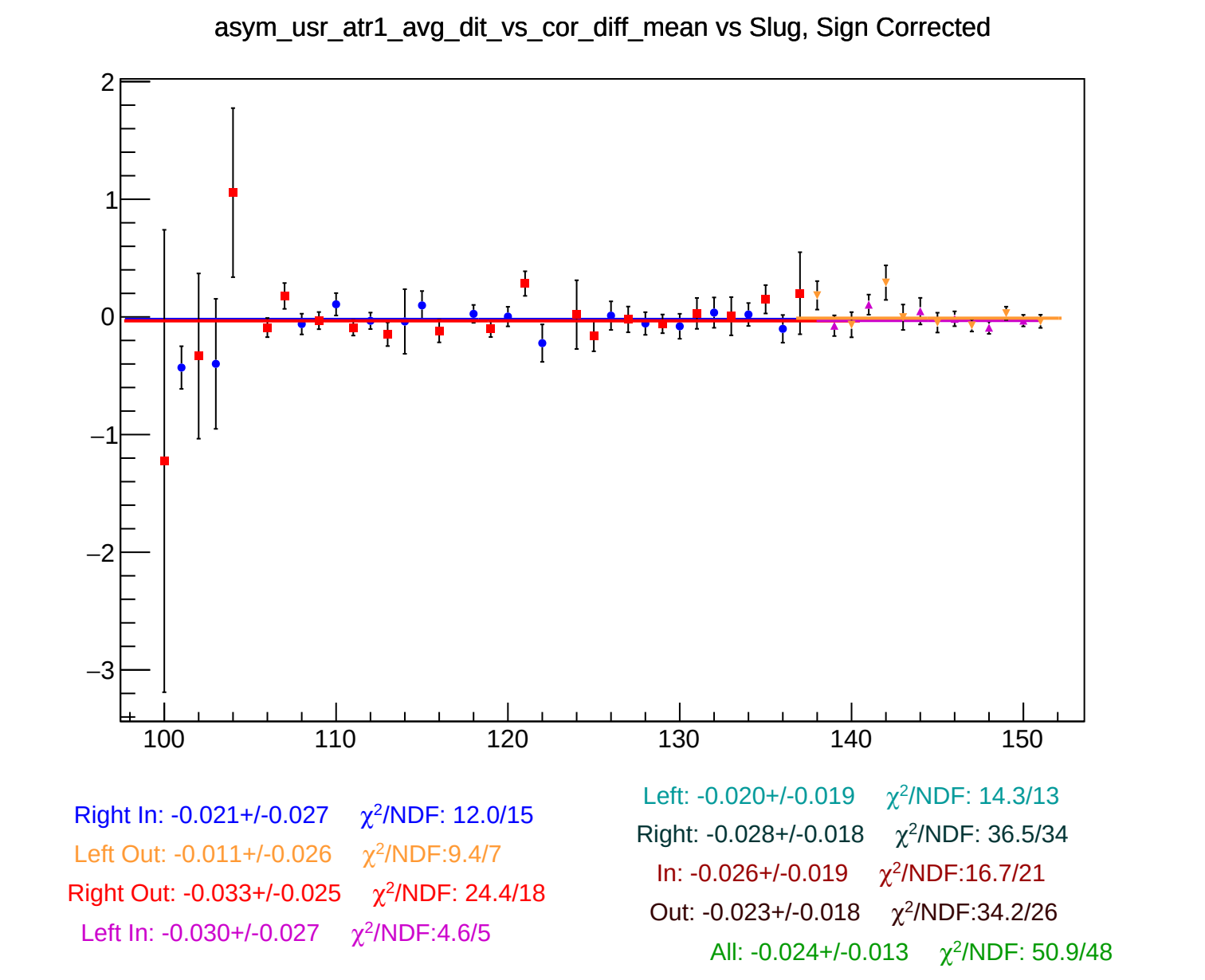
Left: 0.000+/-0.000 χ^2/NDF: 704841.5/13

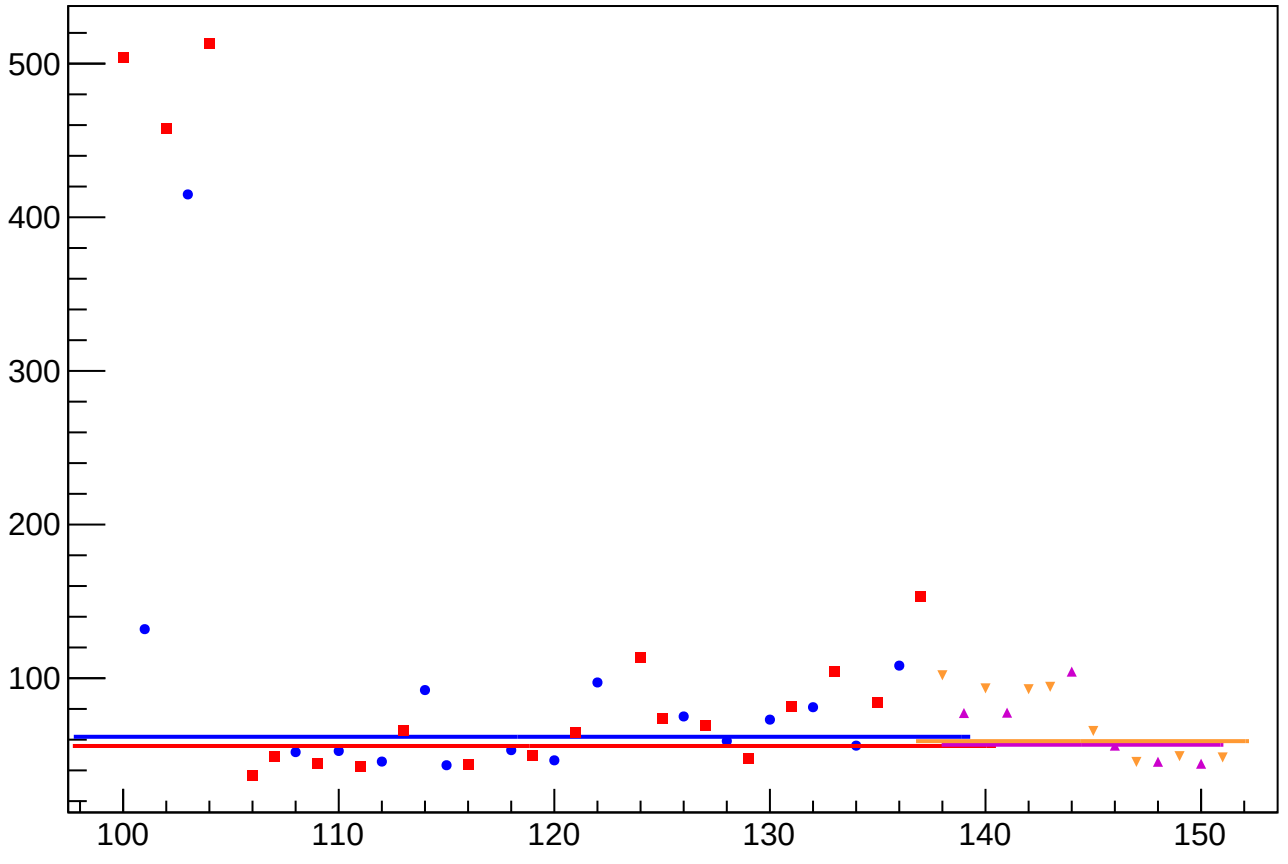
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:2641903.9/21

Out: 0.000+/-0.000 χ^2/NDF:2350234.4/26

All: 0.000+/-0.000 χ^2/NDF: 4992581.1/48


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.011+/-0.026 χ²/NDF:9.4/7
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.030+/-0.027 χ²/NDF:4.6/5
Left: -0.020+/-0.019 χ²/NDF: 14.3/13
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.026+/-0.019 χ²/NDF:16.7/21
Out: -0.023+/-0.018 χ²/NDF:34.2/26
All: -0.024+/-0.013 χ²/NDF: 50.9/48



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 59.037+/-0.019 χ^2/NDF:1057246.7/7

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.699+/-0.019 χ^2/NDF:800185.7/5

Left: 57.892+/-0.013 χ^2/NDF: 1865096.5/13

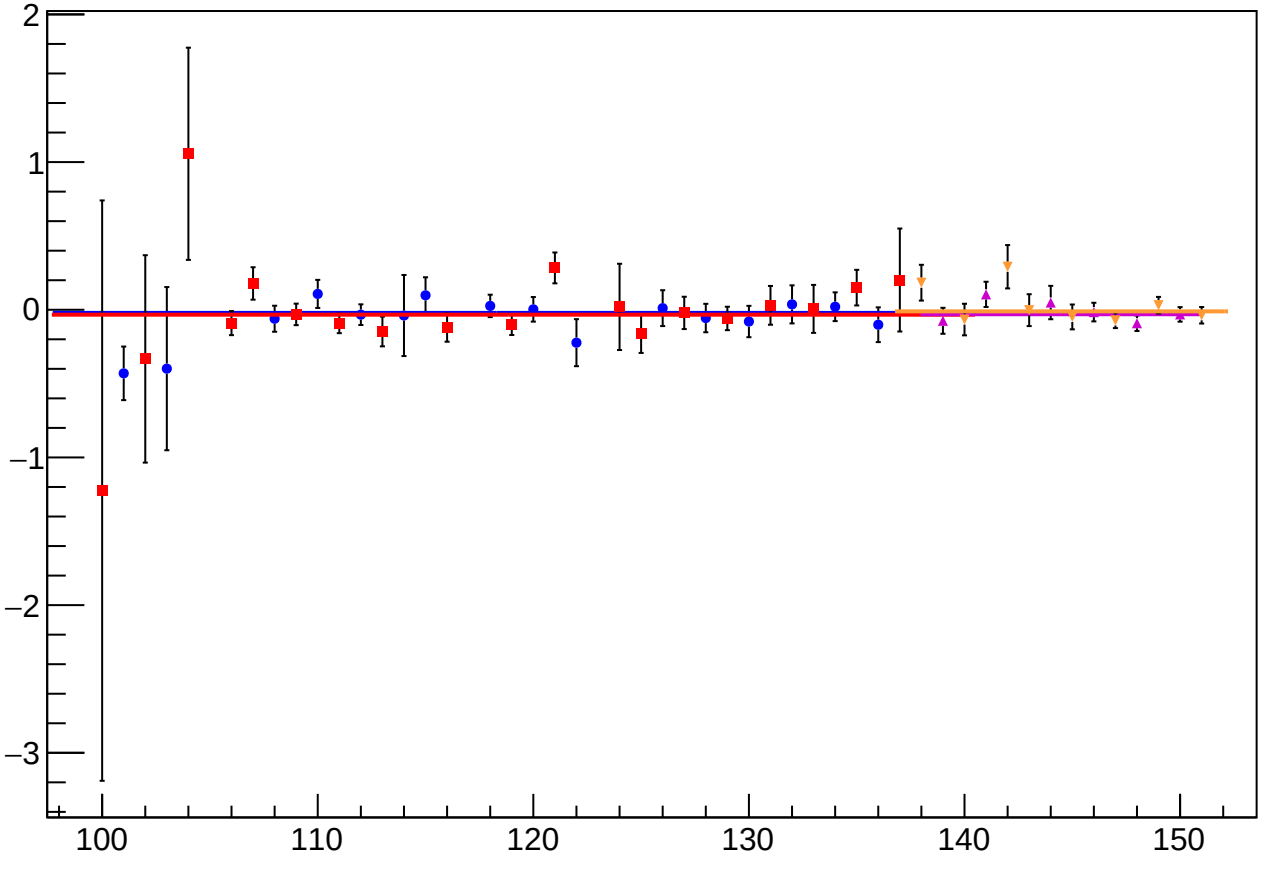
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 59.328+/-0.013 χ^2/NDF:2775543.3/21

Out: 57.348+/-0.013 χ^2/NDF:3663752.8/26

All: 58.289+/-0.009 χ^2/NDF: 6450787.6/48

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: -0.011+/-0.026 χ^2/NDF:9.4/7

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.030+/-0.027 χ^2/NDF:4.6/5

Left: -0.020+/-0.019 χ^2/NDF: 14.3/13

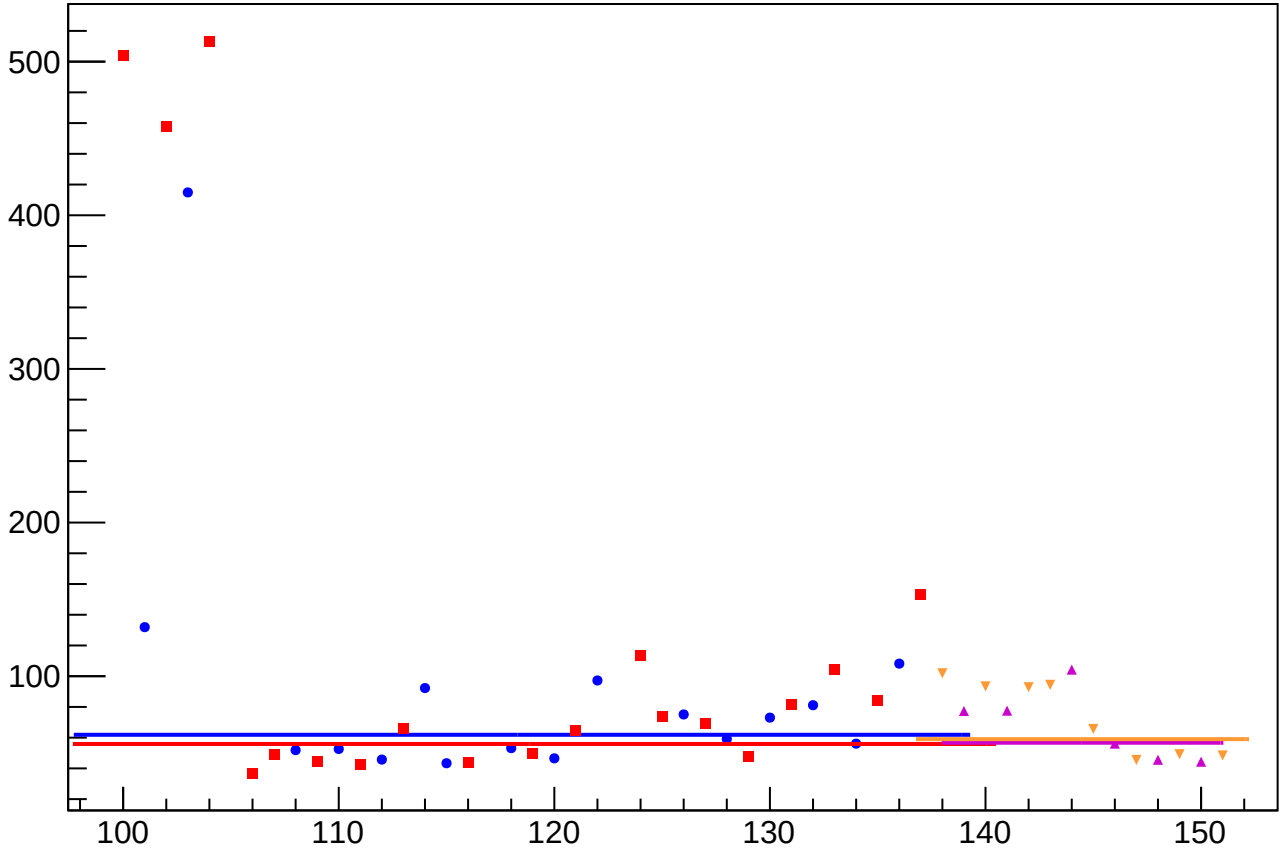
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.026+/-0.019 χ^2/NDF:16.7/21

Out: -0.023+/-0.018 χ^2/NDF:34.2/26

All: -0.024+/-0.013 χ^2/NDF: 50.9/48

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: 59.037+/-0.019 χ^2/NDF:1057246.7/7

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 56.699+/-0.019 χ^2/NDF:800185.7/5

Left: 57.892+/-0.013 χ^2/NDF: 1865096.5/13

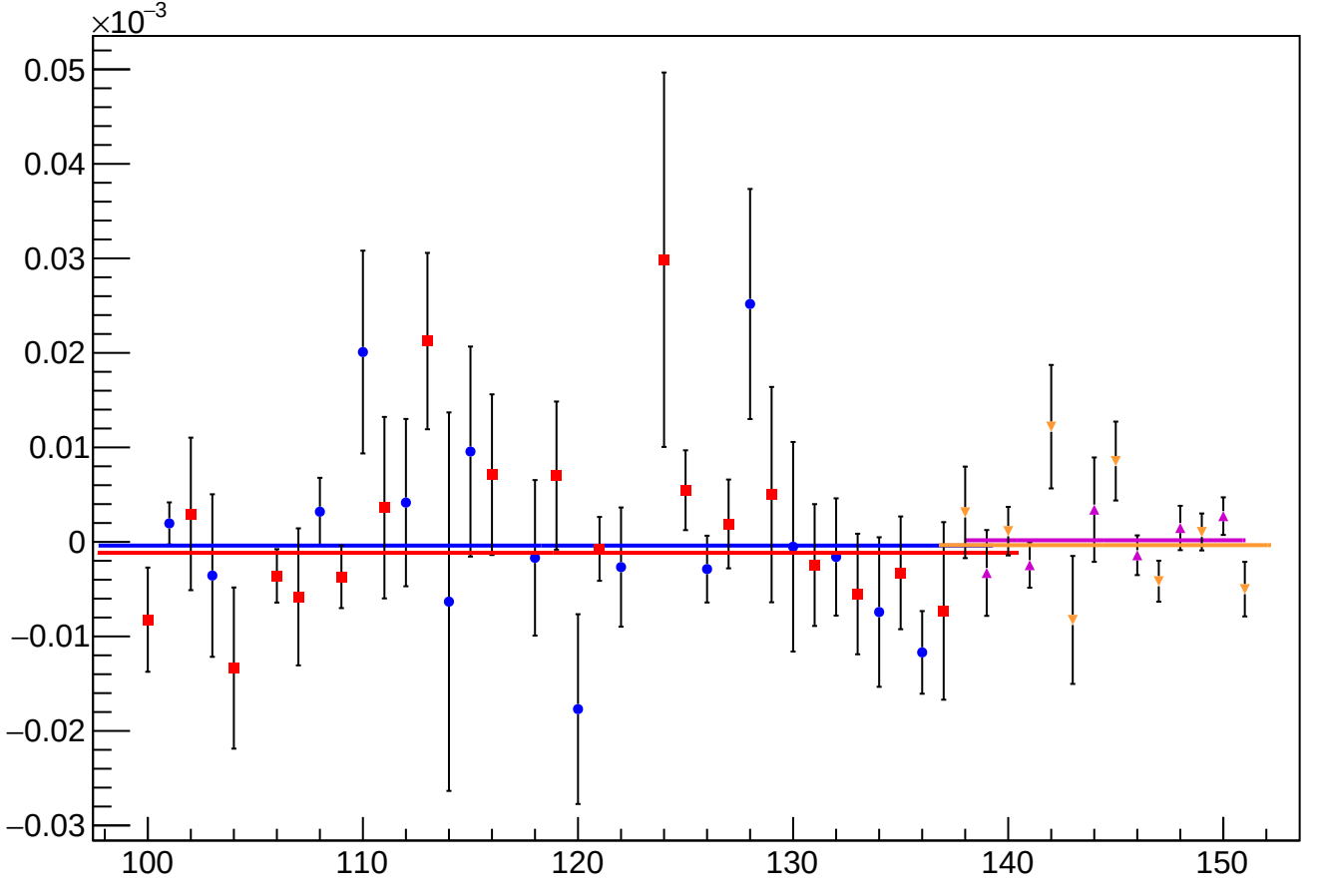
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 59.328+/-0.013 χ^2/NDF:2775543.3/21

Out: 57.348+/-0.013 χ^2/NDF:3663752.8/26

All: 58.289+/-0.009 χ^2/NDF: 6450787.6/48

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/7

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/5

Left: -0.000+/-0.000 χ^2/NDF: 21.4/13

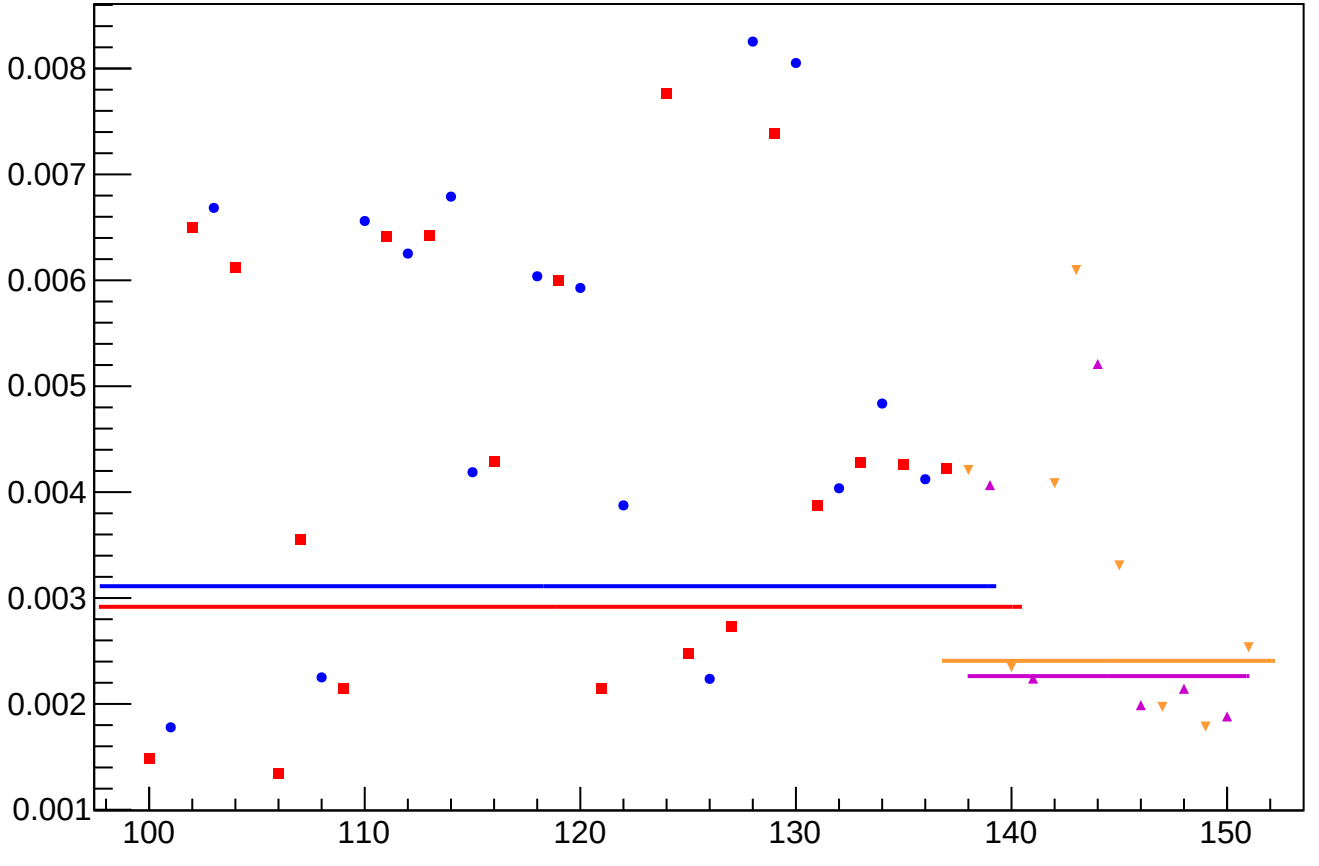
Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: -0.000+/-0.000 χ^2/NDF:27.4/21

Out: -0.000+/-0.000 χ^2/NDF:37.3/26

All: -0.000+/-0.000 χ^2/NDF: 65.0/48

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:1382899.6/7

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:998193.2/5

Left: 0.002+/-0.000 χ^2/NDF: 2399886.8/13

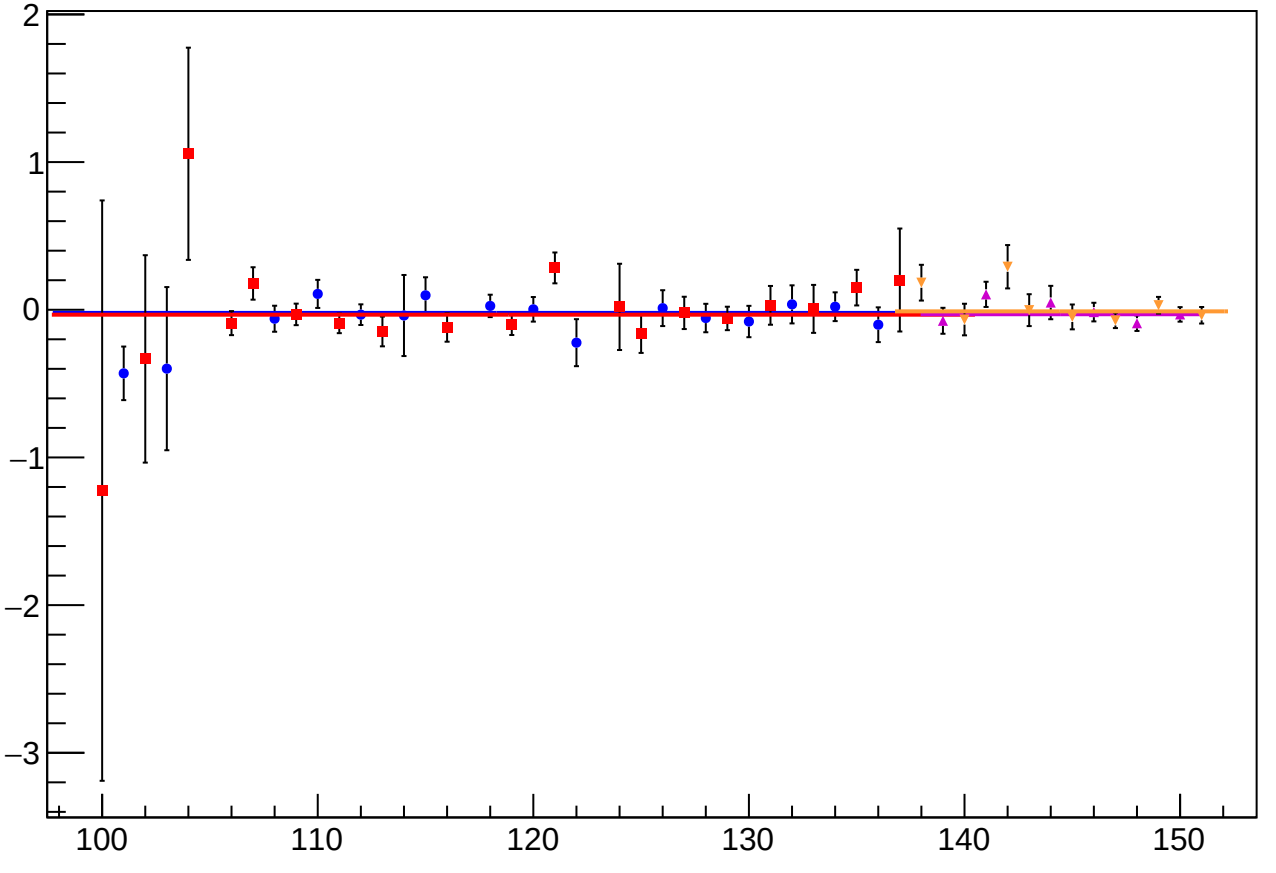
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:4785700.1/21

Out: 0.003+/-0.000 χ^2/NDF:4871822.7/26

All: 0.003+/-0.000 χ^2/NDF: 9659236.3/48

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: -0.011+/-0.026 χ^2/NDF:9.4/7

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.030+/-0.027 χ^2/NDF:4.6/5

Left: -0.020+/-0.019 χ^2/NDF: 14.3/13

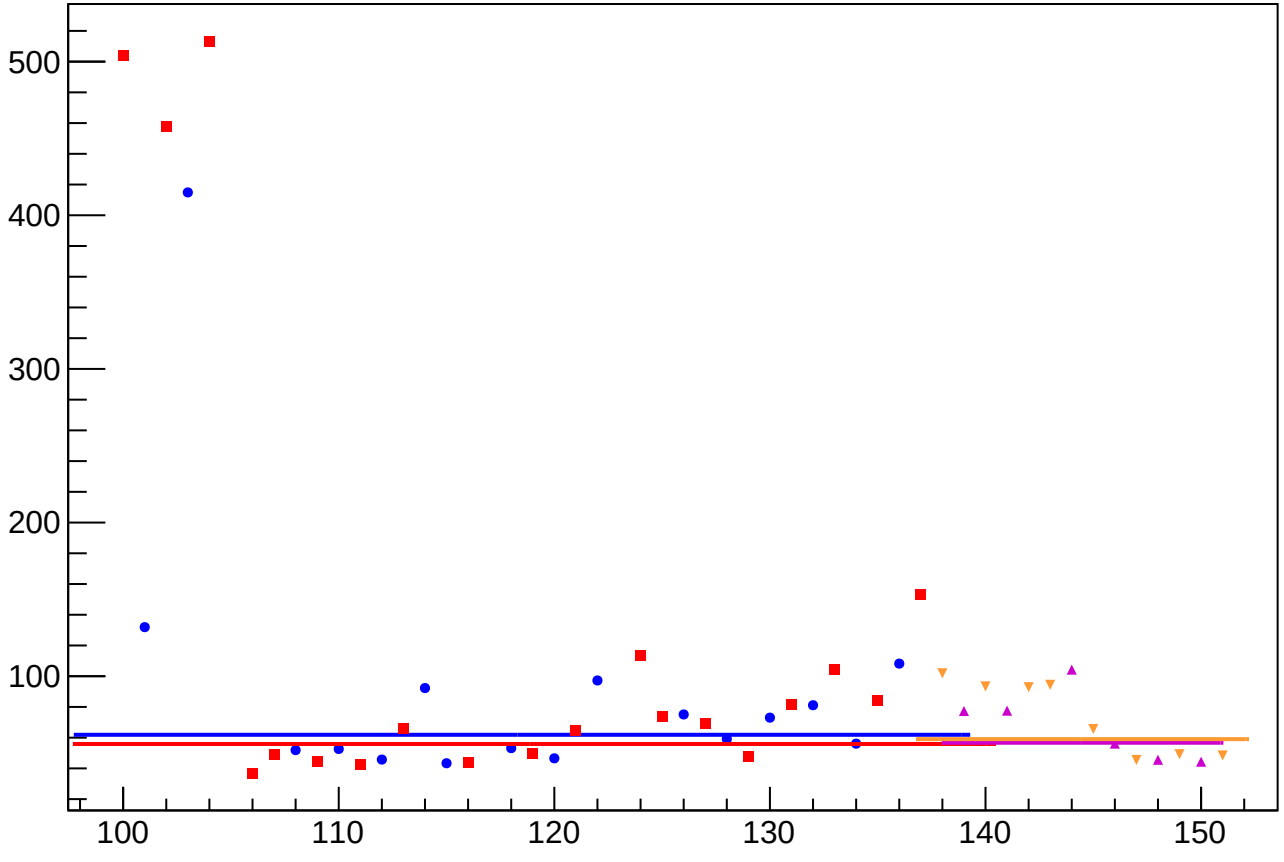
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.026+/-0.019 χ^2/NDF:16.7/21

Out: -0.023+/-0.018 χ^2/NDF:34.2/26

All: -0.024+/-0.013 χ^2/NDF: 50.9/48

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: 59.037+/-0.019 χ^2/NDF:1057245.5/7

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.699+/-0.019 χ^2/NDF:800182.7/5

Left: 57.892+/-0.013 χ^2/NDF: 1865092.3/13

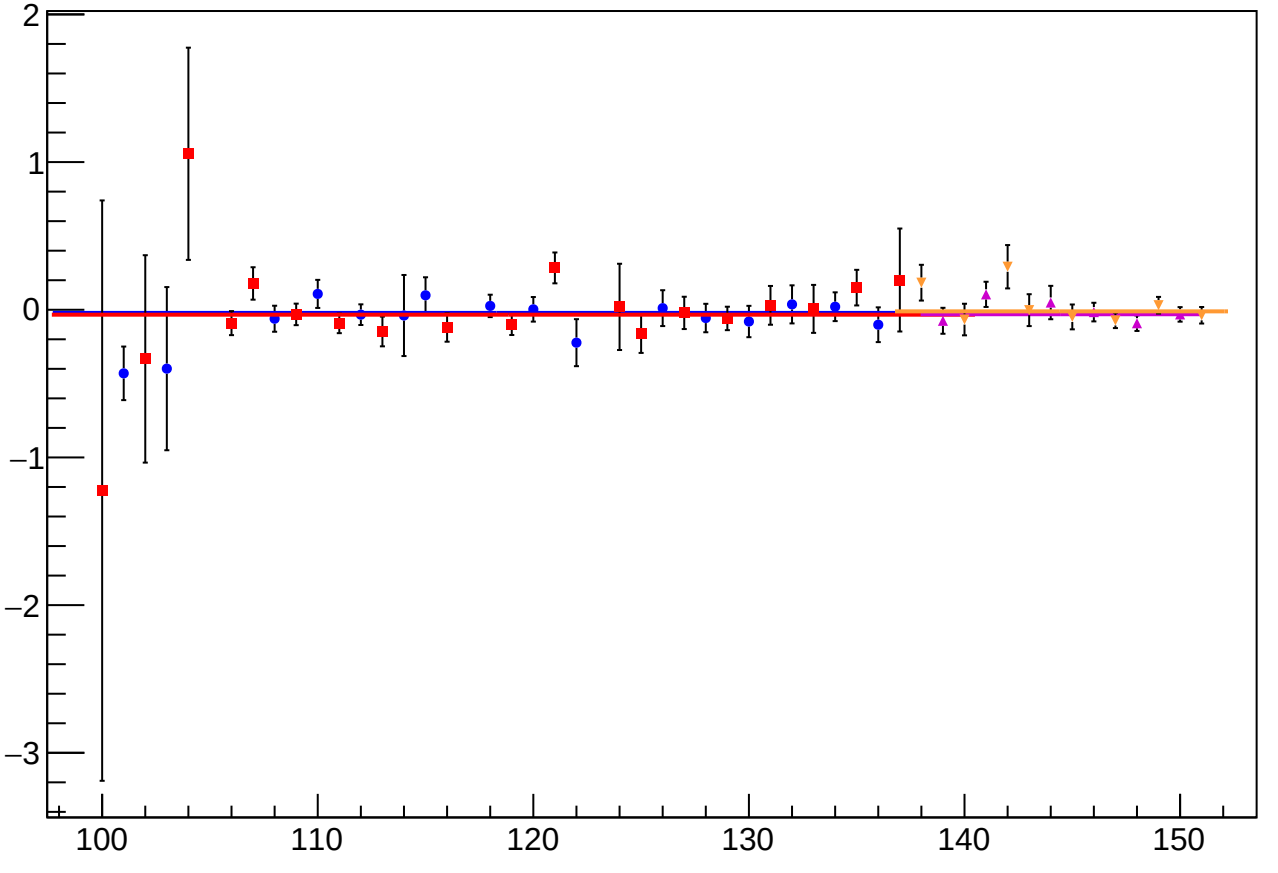
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 59.328+/-0.013 χ^2/NDF:2775479.1/21

Out: 57.348+/-0.013 χ^2/NDF:3663719.0/26

All: 58.288+/-0.009 χ^2/NDF: 6450691.7/48

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: -0.011+/-0.026 χ^2/NDF:9.4/7

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.030+/-0.027 χ^2/NDF:4.6/5

Left: -0.020+/-0.019 χ^2/NDF: 14.3/13

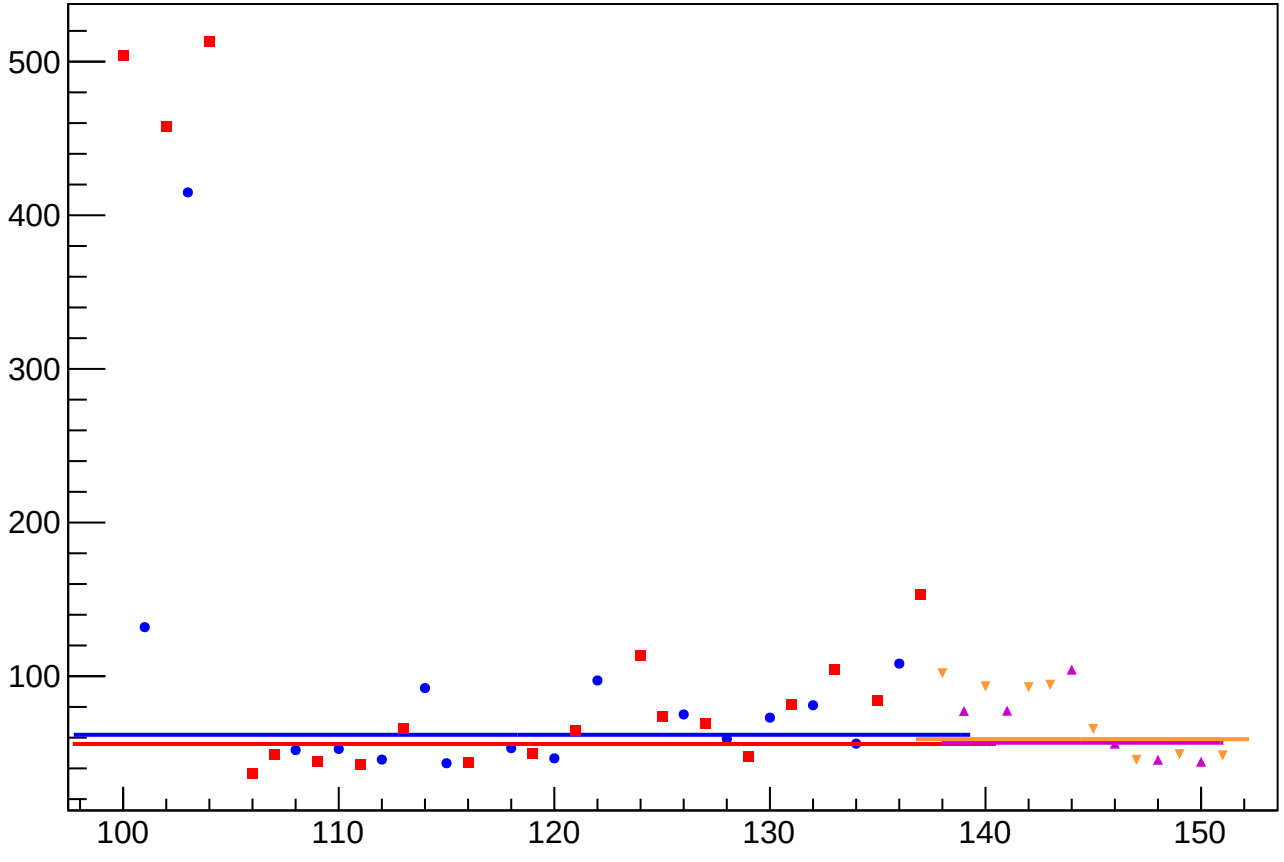
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.026+/-0.019 χ^2/NDF:16.7/21

Out: -0.023+/-0.018 χ^2/NDF:34.2/26

All: -0.024+/-0.013 χ^2/NDF: 50.9/48

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: 59.037+/-0.019 χ^2/NDF:1057245.5/7

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 56.699+/-0.019 χ^2/NDF:800182.7/5

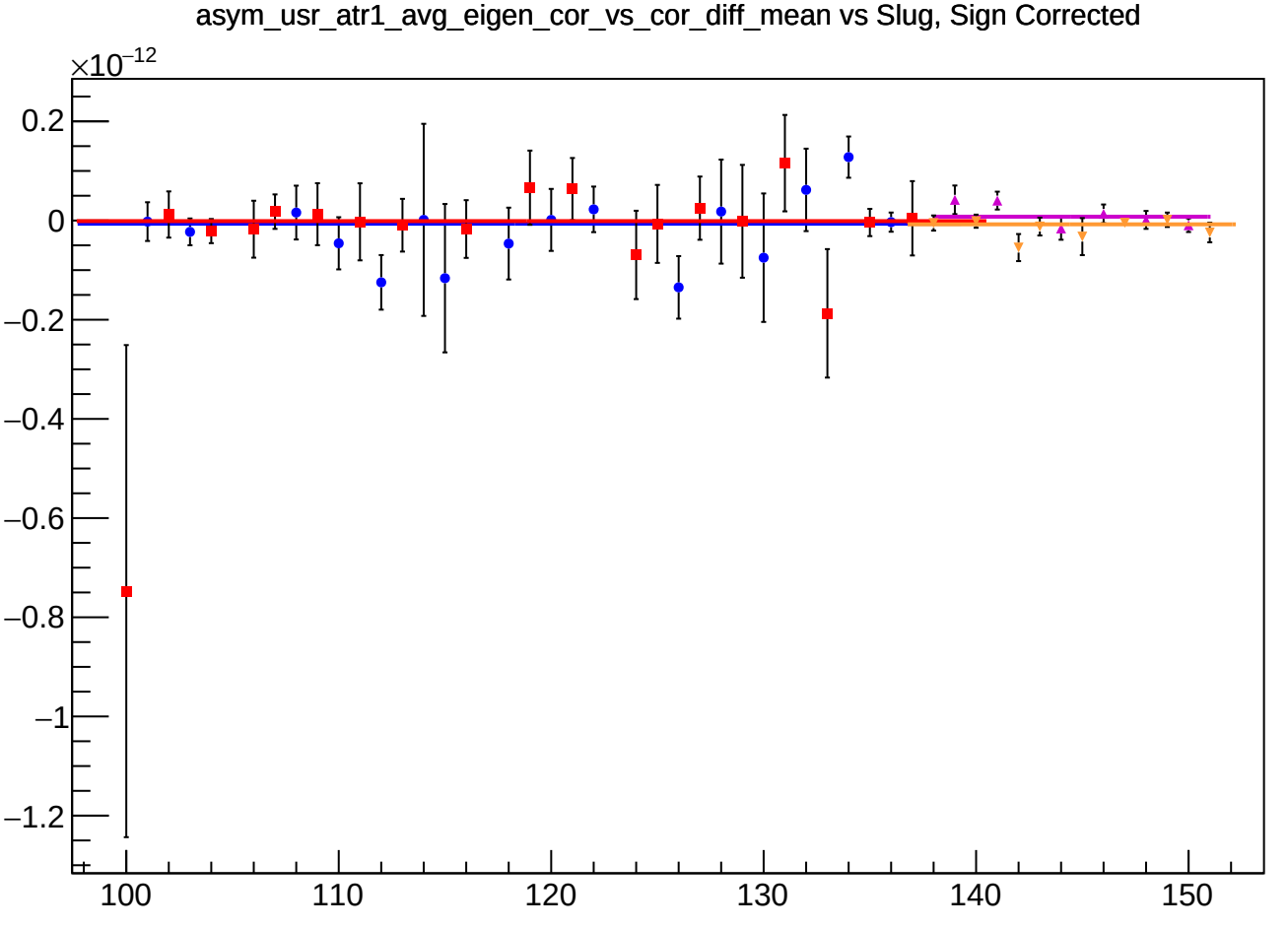
Left: 57.892+/-0.013 χ^2/NDF: 1865092.3/13

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 59.328+/-0.013 χ^2/NDF:2775479.1/21

Out: 57.348+/-0.013 χ^2/NDF:3663719.0/26

All: 58.288+/-0.009 χ^2/NDF: 6450691.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/5

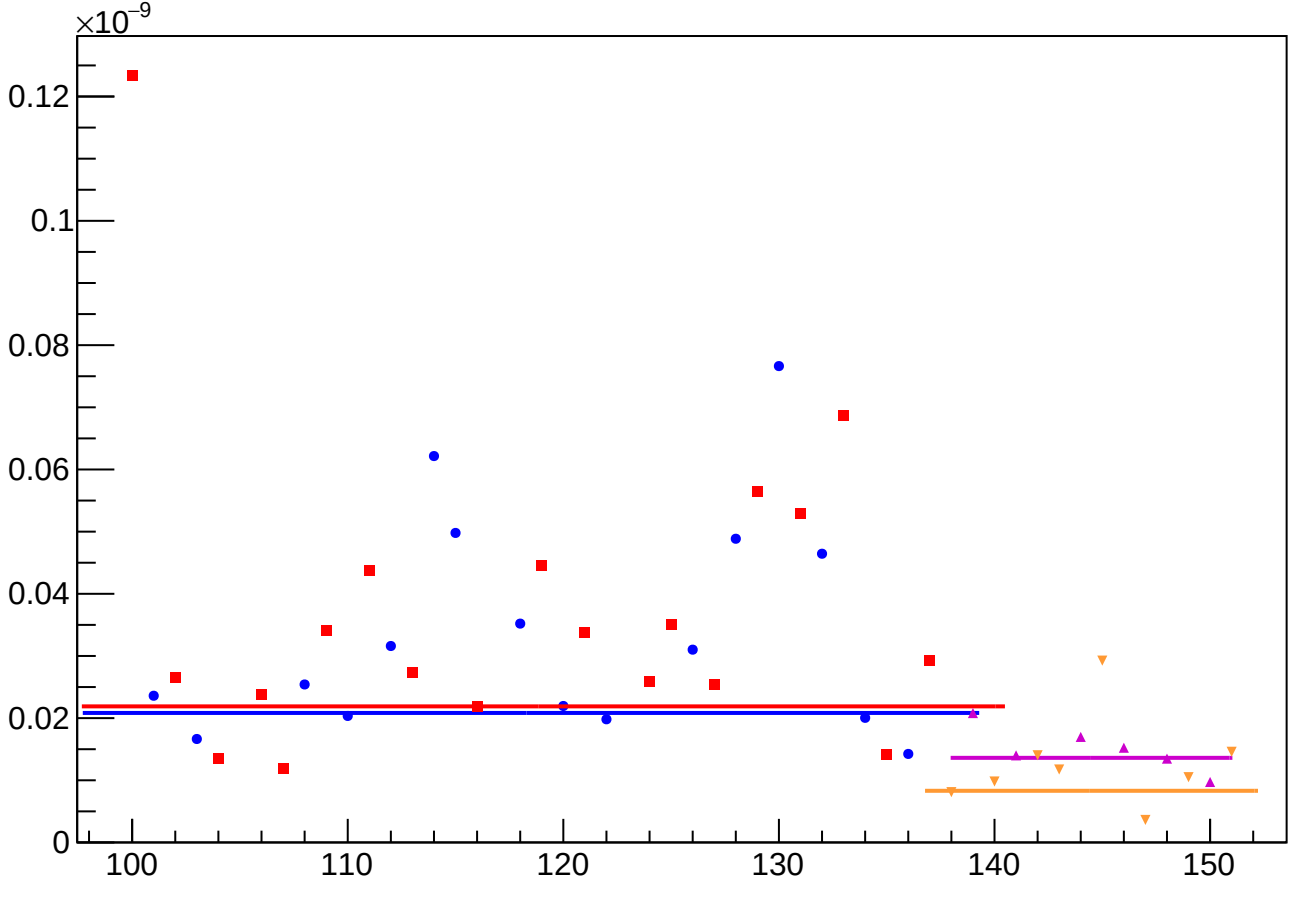
Left: -0.000+/-0.000 χ^2/NDF: 15.3/13

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:31.2/21

Out: -0.000+/-0.000 χ^2/NDF:14.9/26

All: -0.000+/-0.000 χ^2/NDF: 47.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1696195.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:344863.1/5

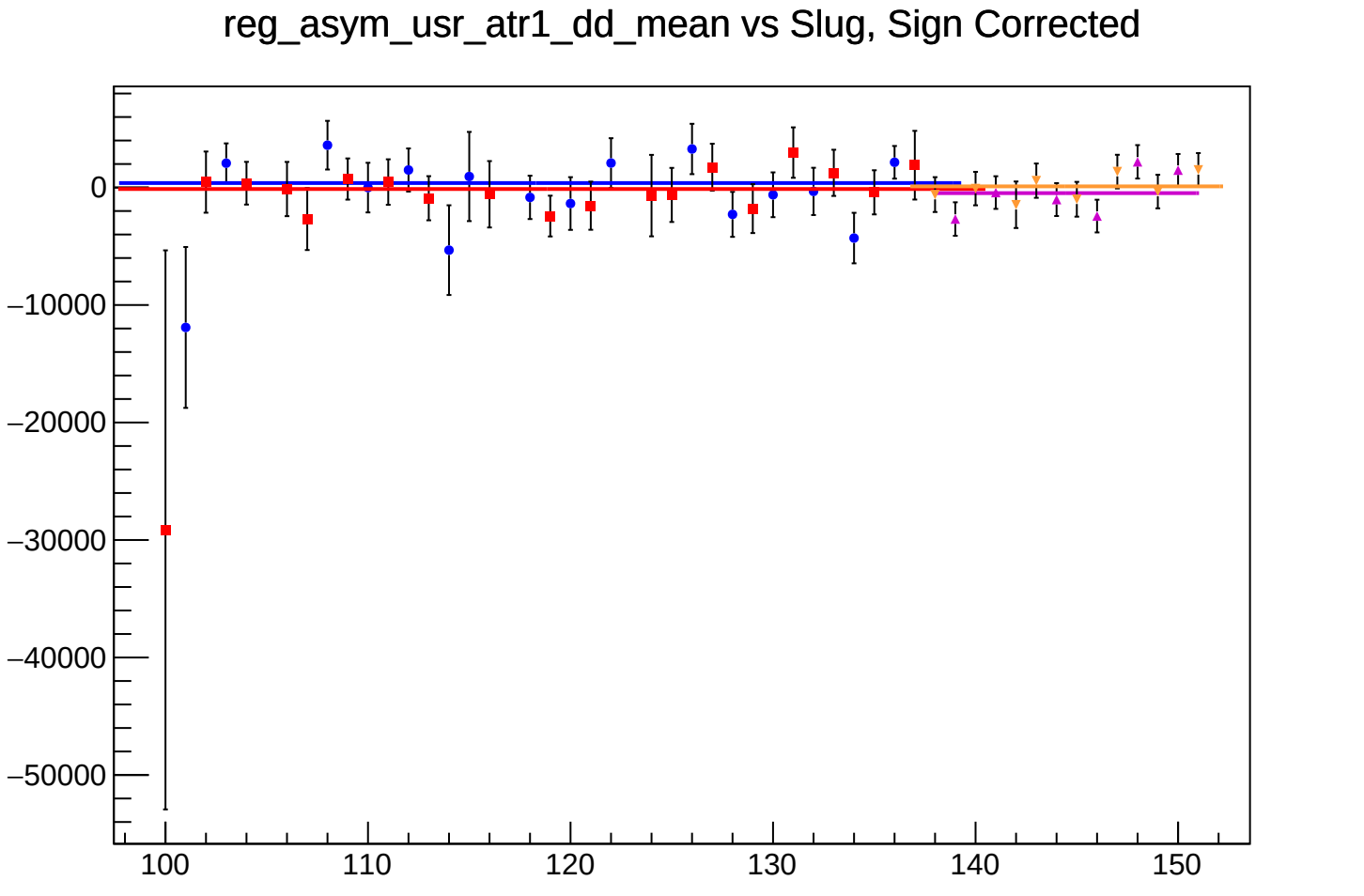
Left: 0.000+/-0.000 χ^2/NDF: 2706059.4/13

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2294206.1/21

Out: 0.000+/-0.000 χ^2/NDF:5788814.2/26

All: 0.000+/-0.000 χ^2/NDF: 9004975.2/48



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: 97.591+/-527.308 χ^2/NDF:3.4/7

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -477.160+/-571.499 χ^2/NDF:10.1/5

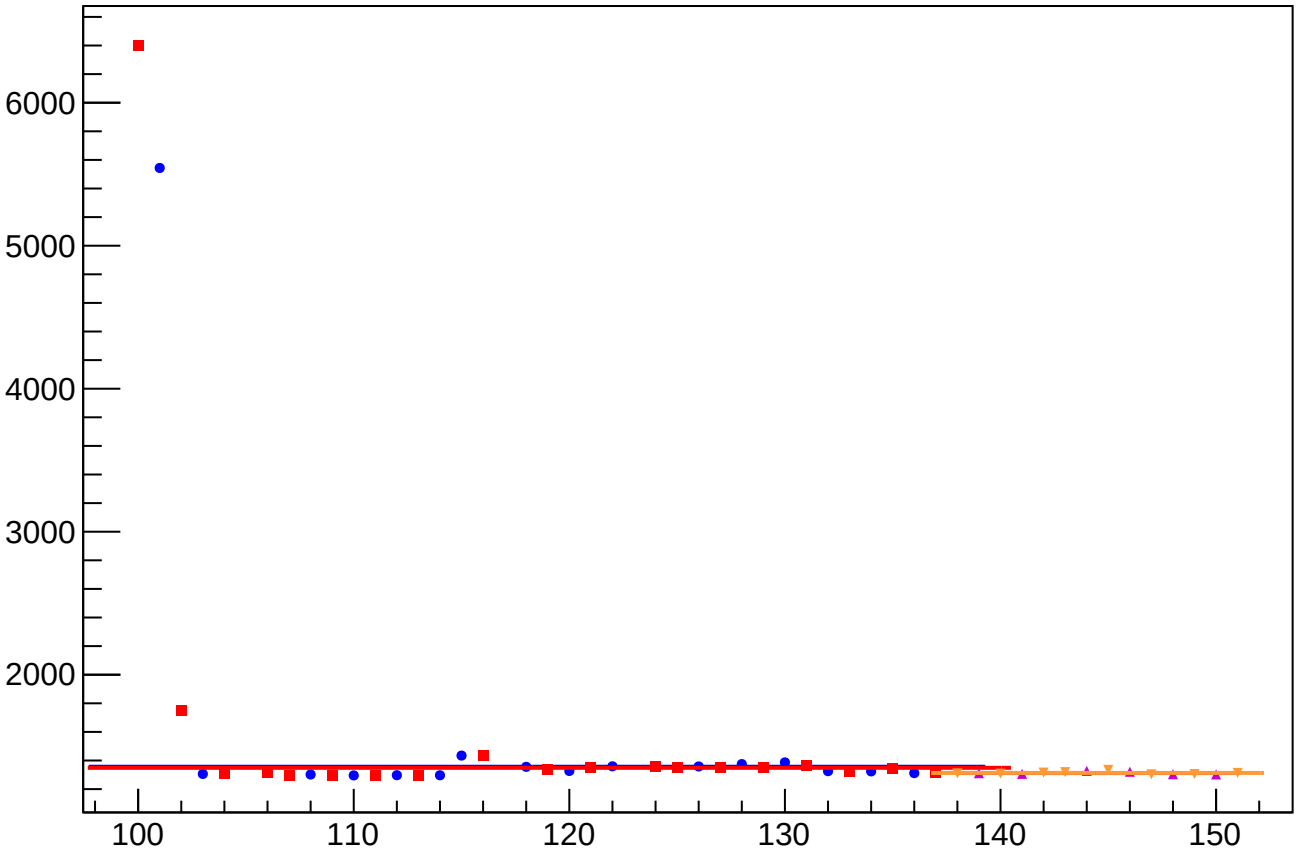
Left: -166.707+/-387.545 χ^2/NDF: 14.0/13

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -5.648+/-383.719 χ^2/NDF:32.8/21

Out: -20.938+/-363.201 χ^2/NDF:13.4/26

All: -13.712+/-263.777 χ^2/NDF: 46.2/48



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.196+/-0.373 χ^2/NDF:639.9/7

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1312.288+/-0.404 χ^2/NDF:524.9/5

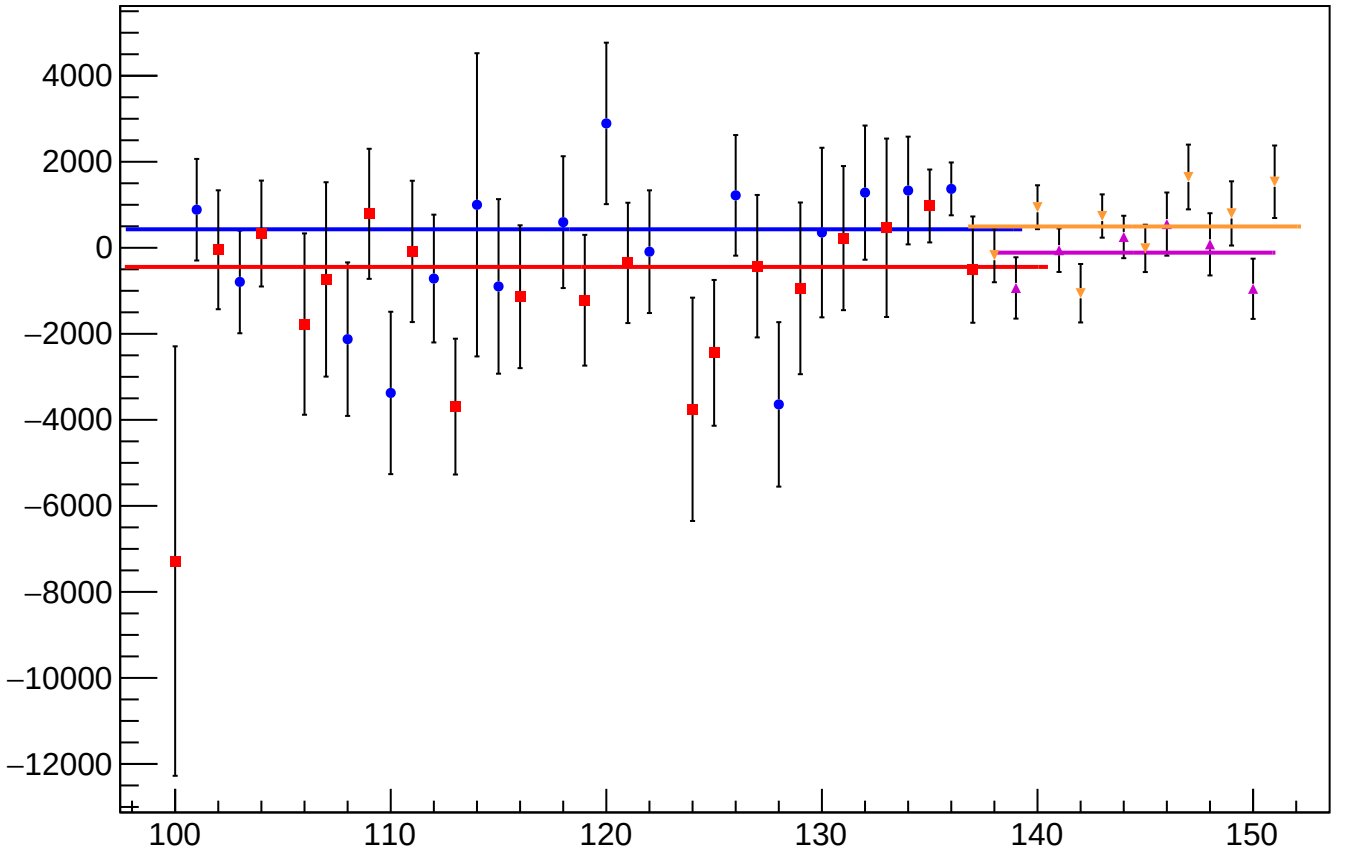
Left: 1312.778+/-0.274 χ^2/NDF: 1167.4/13

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1336.512+/-0.271 χ^2/NDF:767334.2/21

Out: 1332.001+/-0.257 χ^2/NDF:152744.8/26

All: 1334.132+/-0.187 χ^2/NDF: 920224.8/48



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 495.527+/-219.553 χ^2/NDF:12.2/7

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -112.799+/-251.658 χ^2/NDF:4.2/5

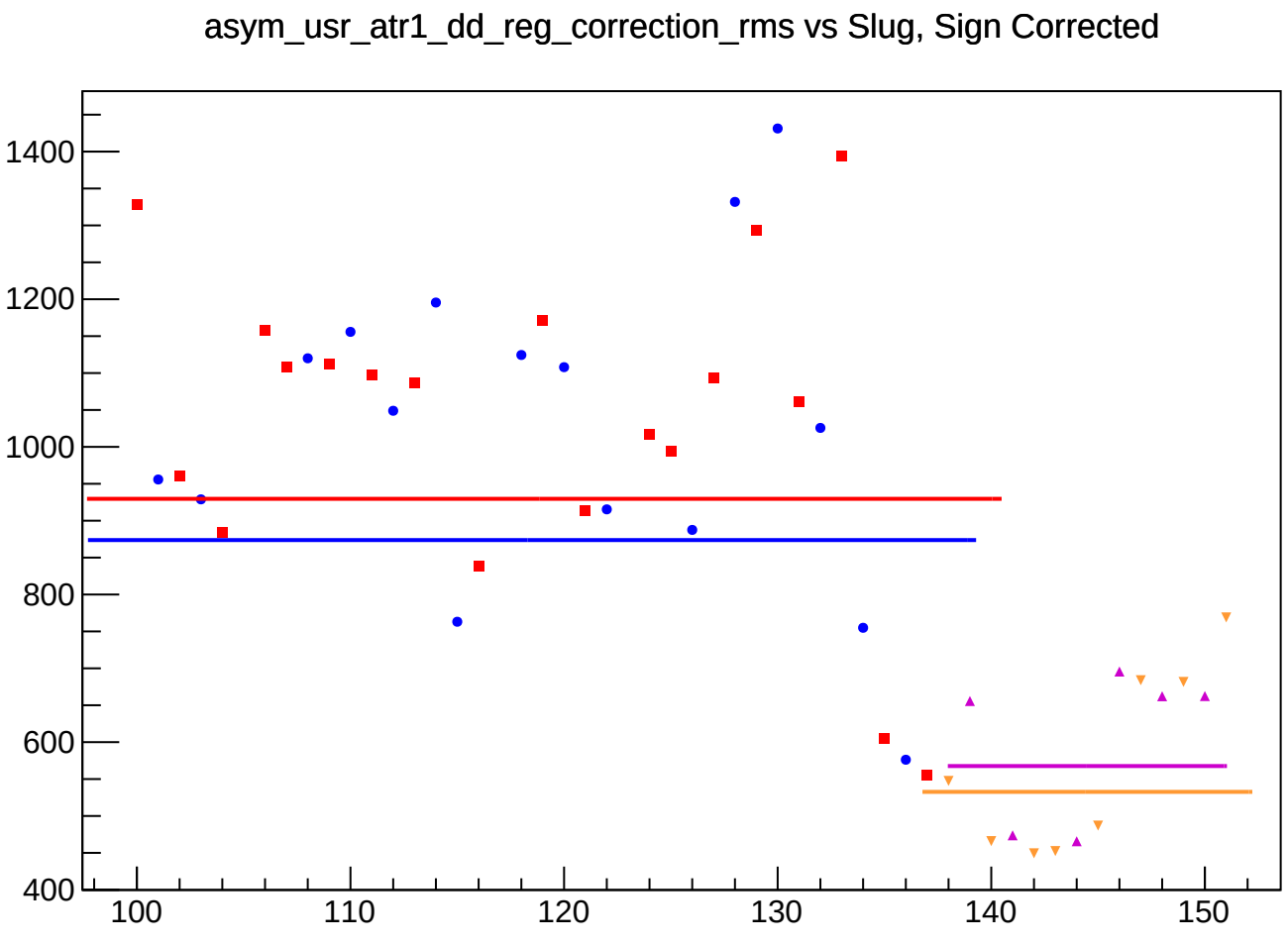
Left: 232.619+/-165.441 χ^2/NDF: 19.8/13

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 80.579+/-201.951 χ^2/NDF:24.1/21

Out: 236.065+/-186.814 χ^2/NDF:31.7/26

All: 164.367+/-137.137 χ^2/NDF: 56.1/48



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 532.661+/-0.155 χ^2/NDF:447381.4/7

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 567.628+/-0.178 χ^2/NDF:316361.3/5

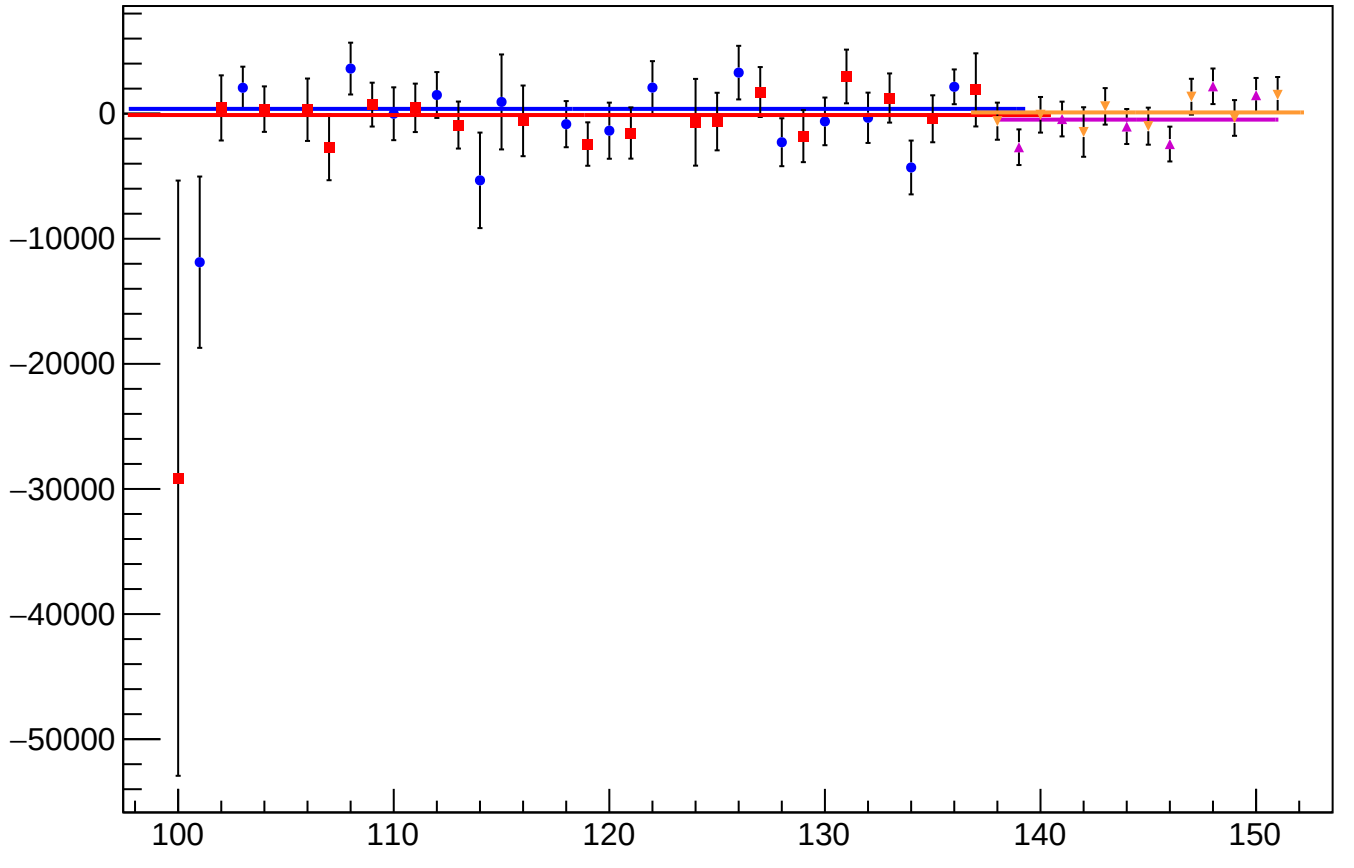
Left: 547.773+/-0.117 χ^2/NDF: 785667.1/13

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 676.608+/-0.143 χ^2/NDF:2384704.3/21

Out: 642.226+/-0.132 χ^2/NDF:3111939.7/26

All: 658.081+/-0.097 χ^2/NDF: 5527882.4/48



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: 97.522+/-527.308 χ^2/NDF:3.4/7

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -477.226+/-571.499 χ^2/NDF:10.1/5

Left: -166.775+/-387.545 χ^2/NDF: 14.0/13

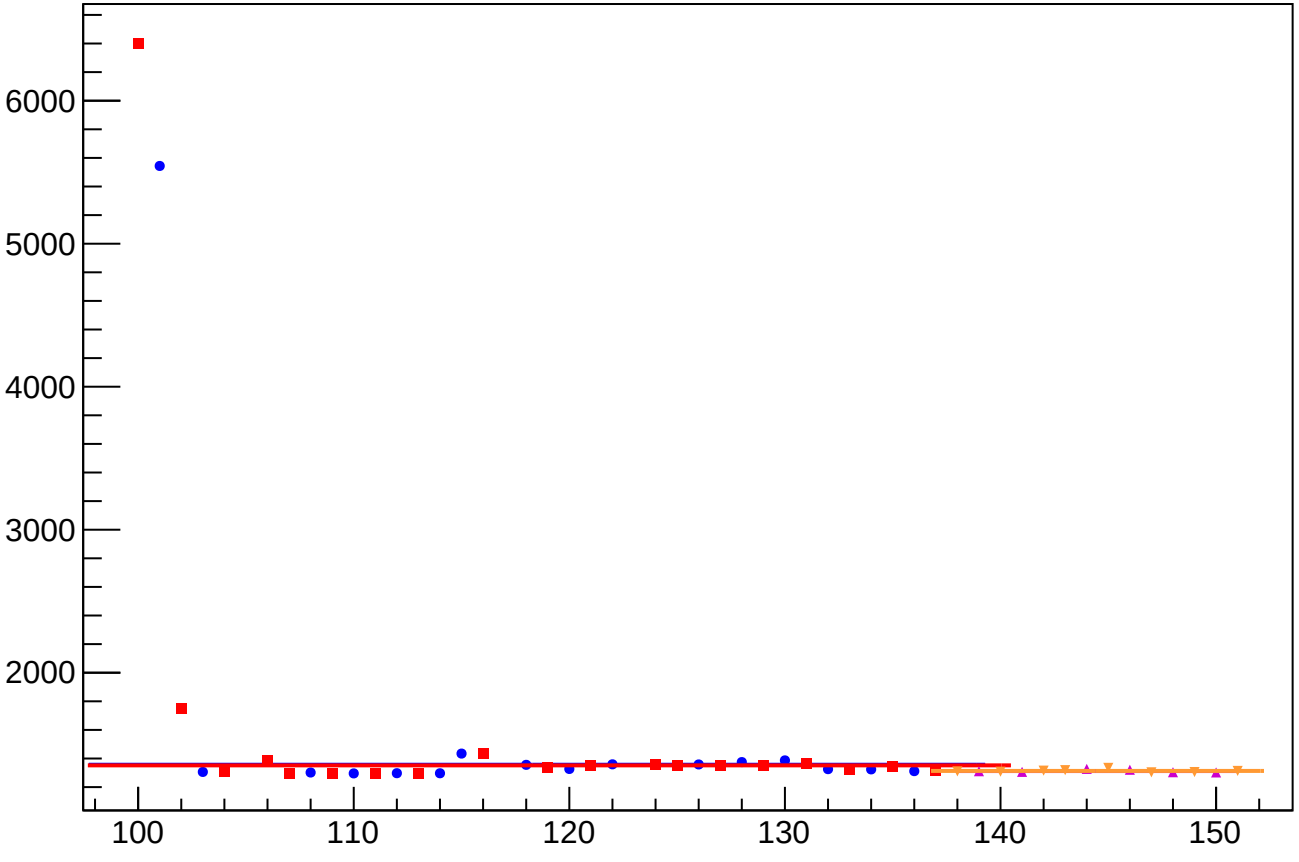
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -5.508+/-383.719 χ^2/NDF:32.8/21

Out: -11.342+/-363.851 χ^2/NDF:13.4/26

All: -8.580+/-264.026 χ^2/NDF: 46.2/48

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.196+/-0.373 χ^2/NDF:639.9/7

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.288+/-0.404 χ^2/NDF:524.9/5

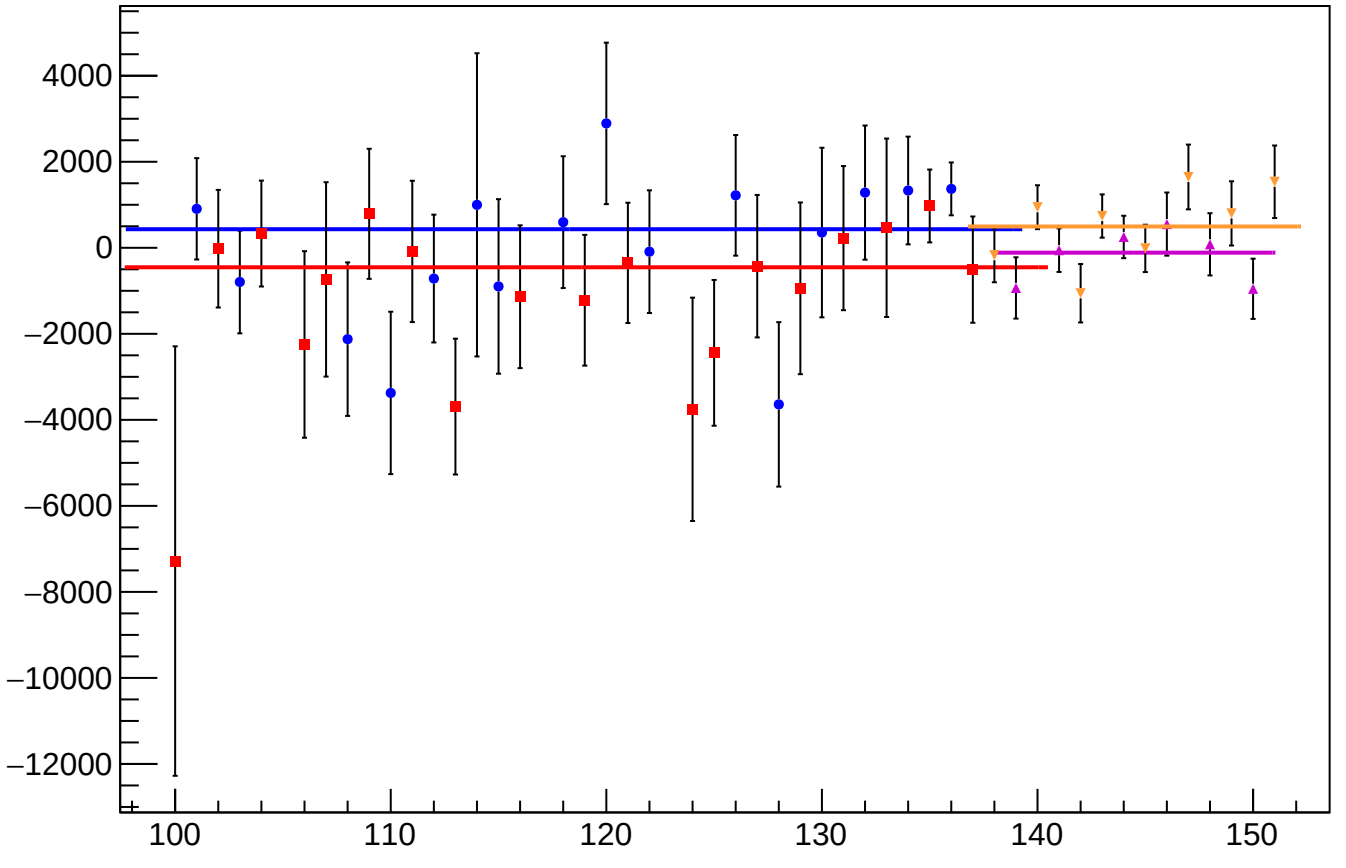
Left: 1312.778+/-0.274 χ^2/NDF: 1167.4/13

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1336.512+/-0.271 χ^2/NDF:767333.3/21

Out: 1333.568+/-0.257 χ^2/NDF:153664.7/26

All: 1334.962+/-0.187 χ^2/NDF: 921060.0/48



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 495.458+/-219.555 χ^2/NDF:12.2/7

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -112.807+/-251.654 χ^2/NDF:4.2/5

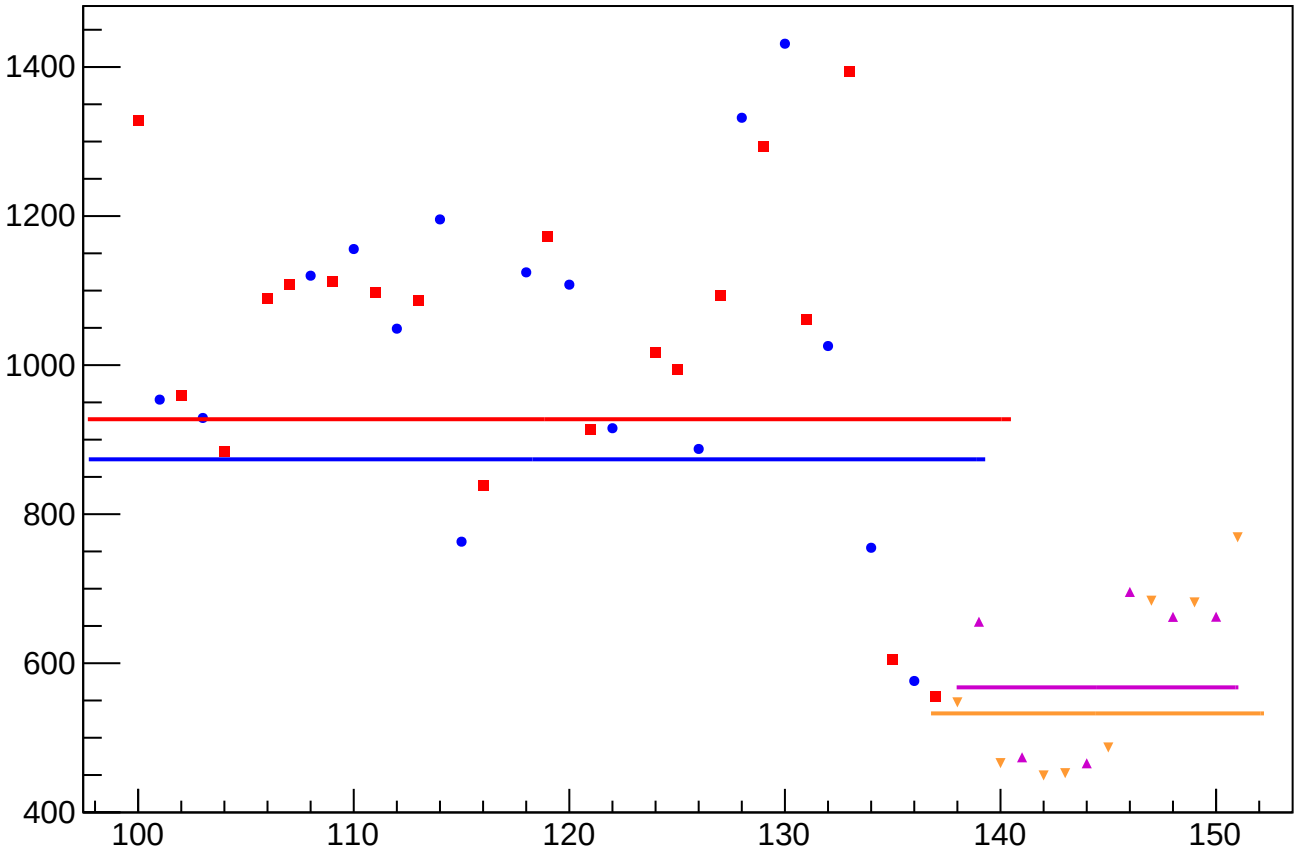
Left: 232.569+/-165.441 χ^2/NDF: 19.8/13

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 81.243+/-201.937 χ^2/NDF:24.1/21

Out: 233.675+/-186.816 χ^2/NDF:32.1/26

All: 163.379+/-137.133 χ^2/NDF: 56.5/48



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 532.665+/-0.155 χ^2/NDF:447375.9/7

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 567.618+/-0.178 χ^2/NDF:316387.6/5

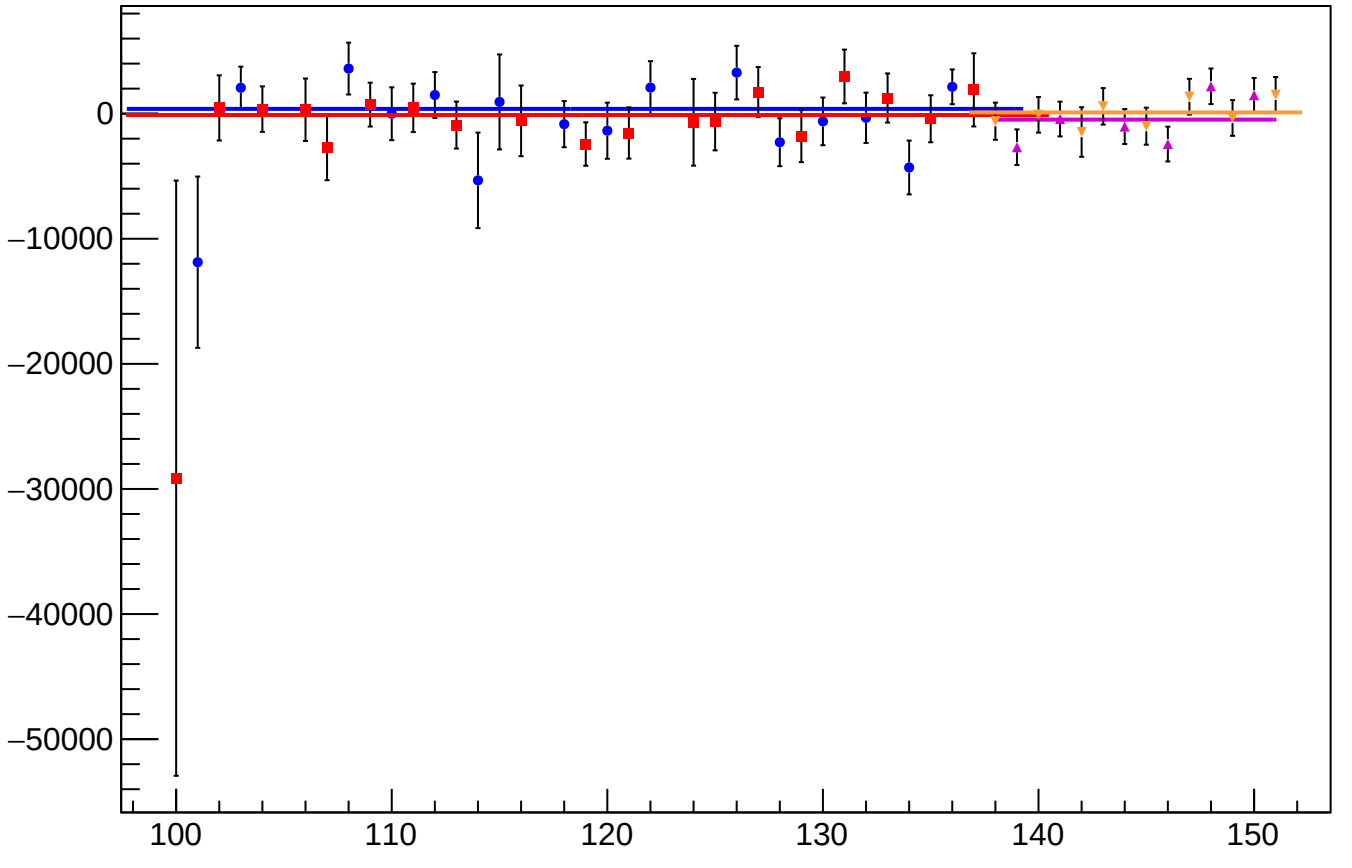
Left: 547.772+/-0.117 χ^2/NDF: 785670.6/13

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 676.578+/-0.143 χ^2/NDF:2383711.2/21

Out: 641.613+/-0.132 χ^2/NDF:3079086.1/26

All: 657.738+/-0.097 χ^2/NDF: 5495106.9/48



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: 97.522+/-527.308 χ^2/NDF:3.4/7

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -477.226+/-571.499 χ^2/NDF:10.1/5

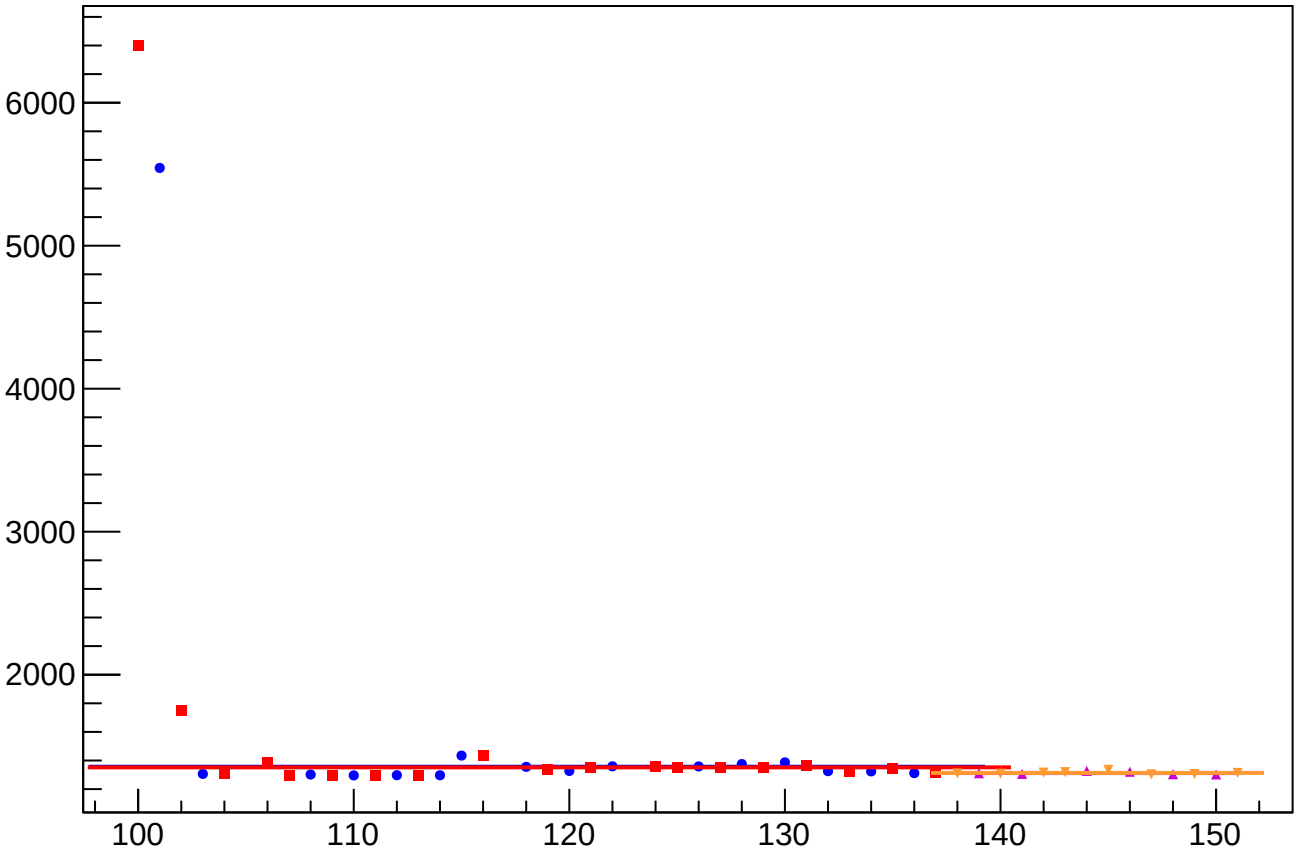
Left: -166.775+/-387.545 χ^2/NDF: 14.0/13

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -5.508+/-383.719 χ^2/NDF:32.8/21

Out: -11.342+/-363.851 χ^2/NDF:13.4/26

All: -8.580+/-264.026 χ^2/NDF: 46.2/48



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.196+/-0.373 χ^2/NDF:639.9/7

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.288+/-0.404 χ^2/NDF:524.9/5

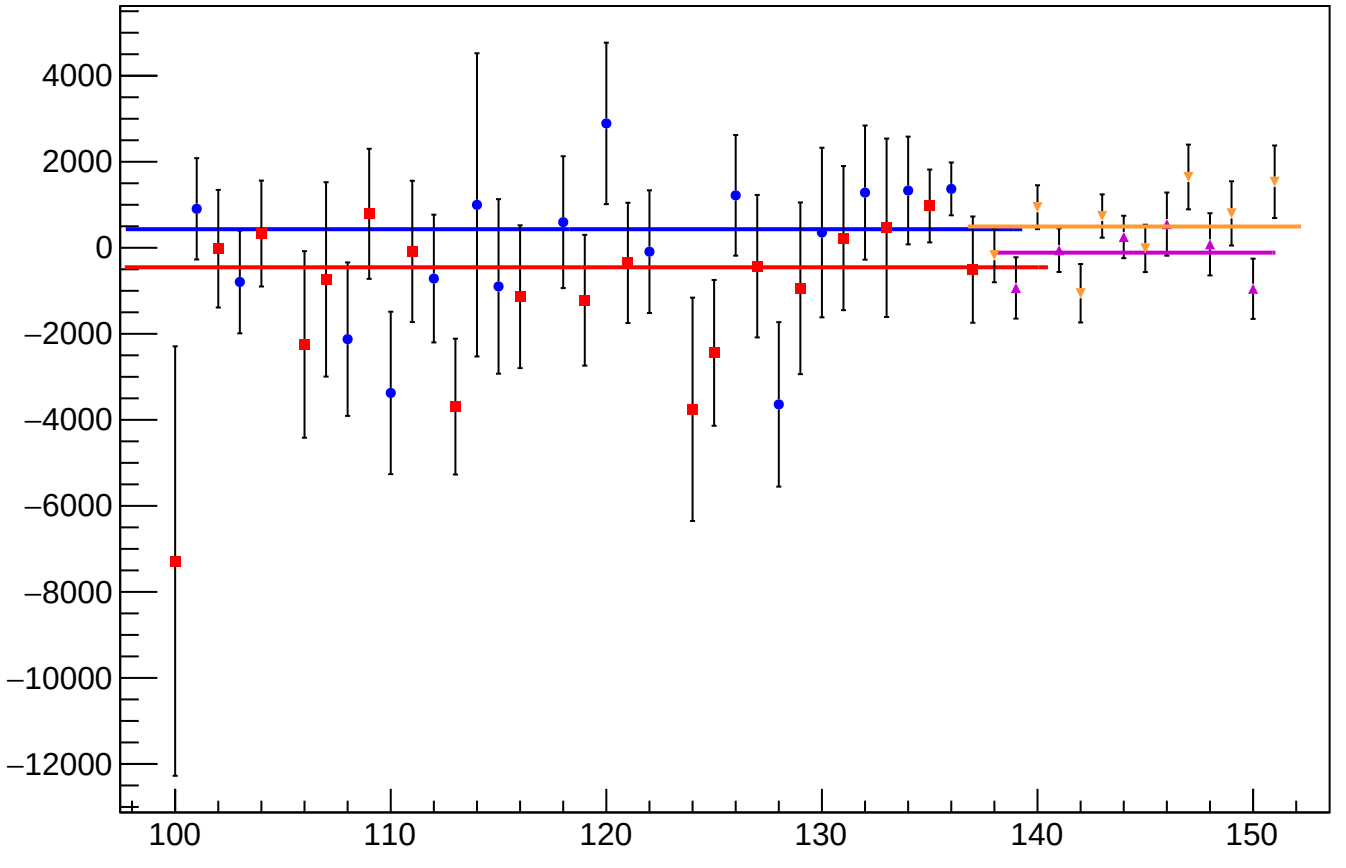
Left: 1312.778+/-0.274 χ^2/NDF: 1167.4/13

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1336.512+/-0.271 χ^2/NDF:767333.3/21

Out: 1333.568+/-0.257 χ^2/NDF:153664.7/26

All: 1334.962+/-0.187 χ^2/NDF: 921060.0/48



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 495.458+/-219.555 χ^2/NDF:12.2/7

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -112.807+/-251.654 χ^2/NDF:4.2/5

Left: 232.569+/-165.441 χ^2/NDF: 19.8/13

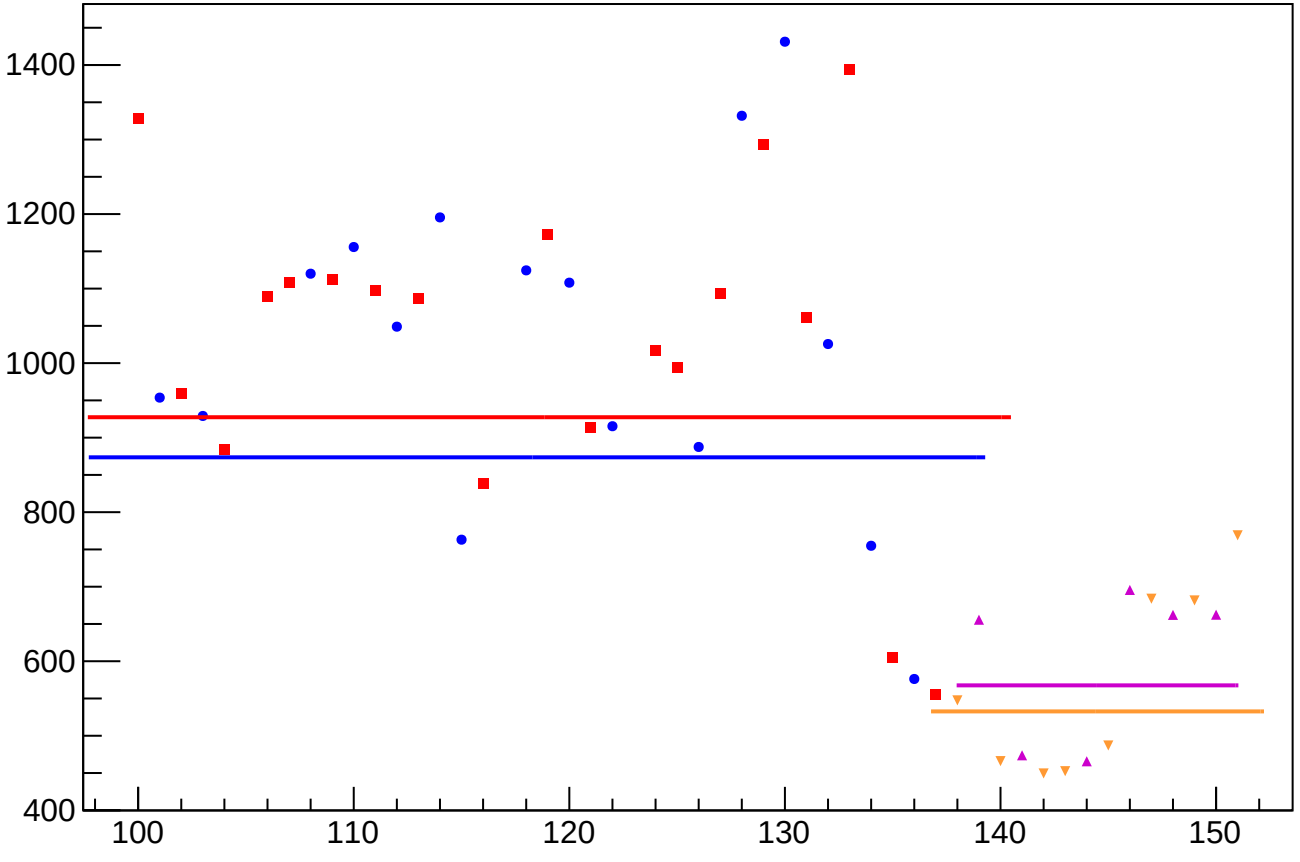
Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 81.243+/-201.937 χ^2/NDF:24.1/21

Out: 233.675+/-186.816 χ^2/NDF:32.1/26

All: 163.379+/-137.133 χ^2/NDF: 56.5/48

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 532.665+/-0.155 χ^2/NDF:447375.9/7

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 567.618+/-0.178 χ^2/NDF:316387.6/5

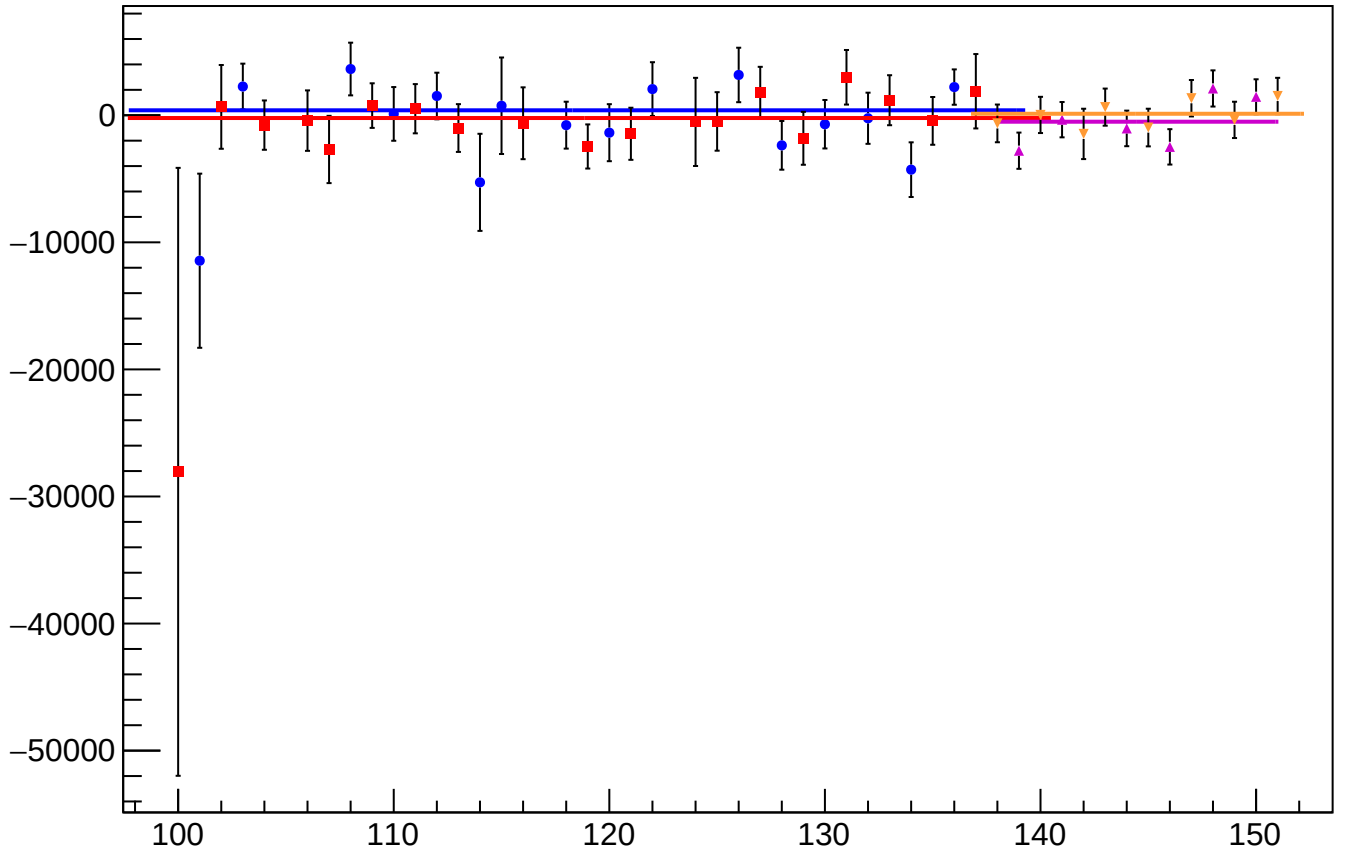
Left: 547.772+/-0.117 χ^2/NDF: 785670.6/13

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 676.578+/-0.143 χ^2/NDF:2383711.2/21

Out: 641.613+/-0.132 χ^2/NDF:3079086.1/26

All: 657.738+/-0.097 χ^2/NDF: 5495106.9/48



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: 117.273+/-527.665 χ^2/NDF:3.4/7

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -508.410+/-571.873 χ^2/NDF:10.2/5

Left: -170.453+/-387.804 χ^2/NDF: 14.2/13

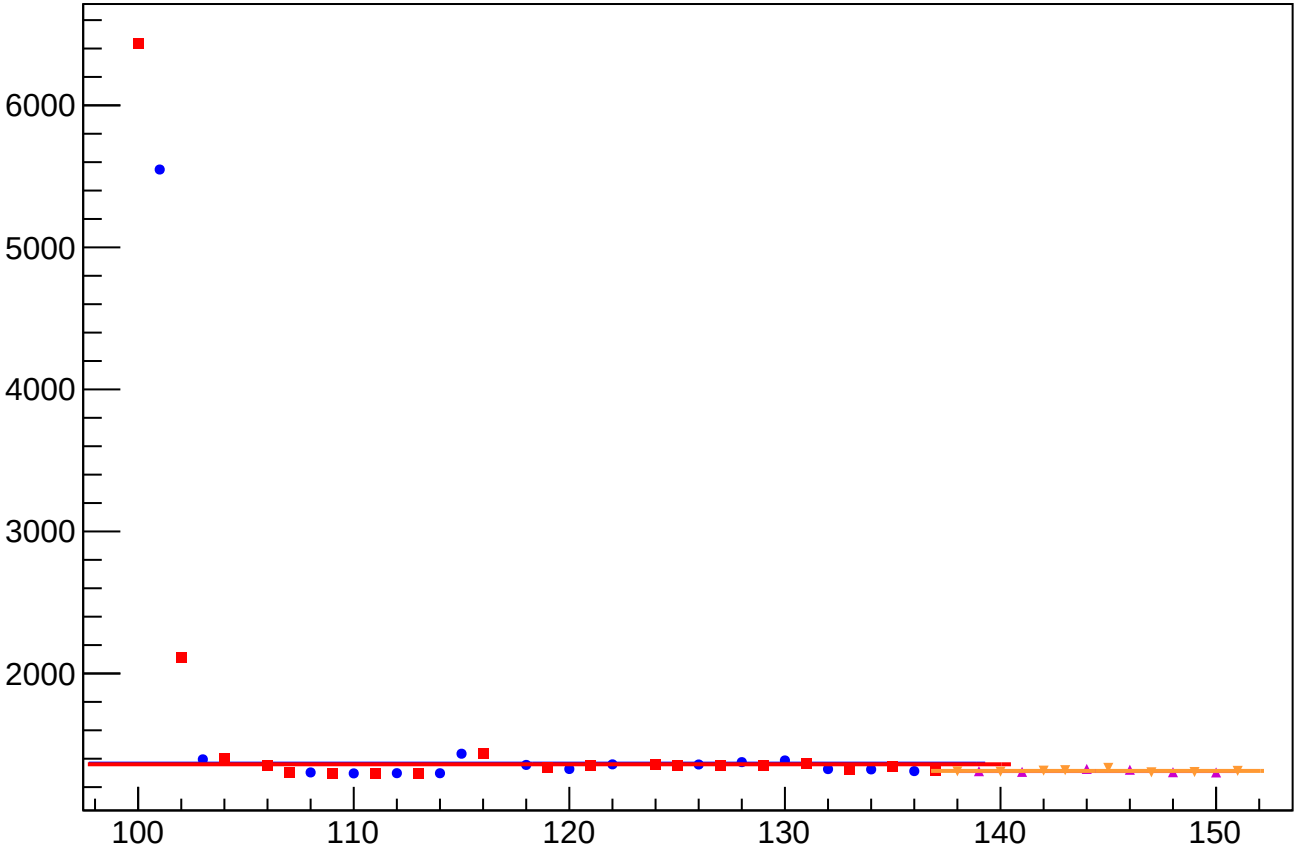
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -17.638+/-385.199 χ^2/NDF:32.9/21

Out: -56.847+/-365.938 χ^2/NDF:13.6/26

All: -38.247+/-265.305 χ^2/NDF: 46.5/48

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.087+/-0.373 χ^2/NDF:630.5/7

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1313.147+/-0.404 χ^2/NDF:518.6/5

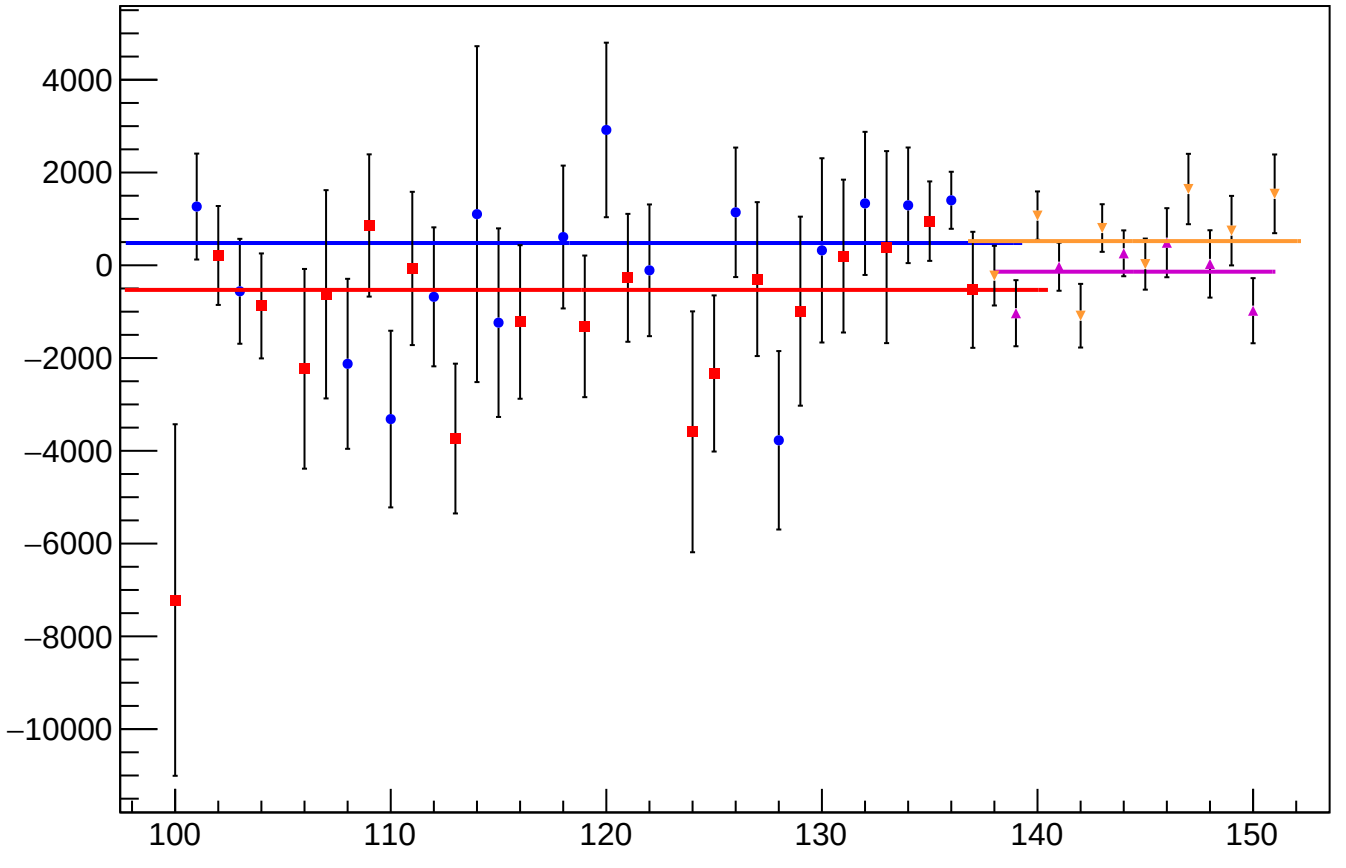
Left: 1313.655+/-0.274 χ^2/NDF: 1152.0/13

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1341.639+/-0.272 χ^2/NDF:768550.9/21

Out: 1338.318+/-0.259 χ^2/NDF:214071.5/26

All: 1339.894+/-0.188 χ^2/NDF: 982700.5/48



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 521.658+/-222.449 χ^2/NDF:12.8/7

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -138.197+/-253.913 χ^2/NDF:4.5/5

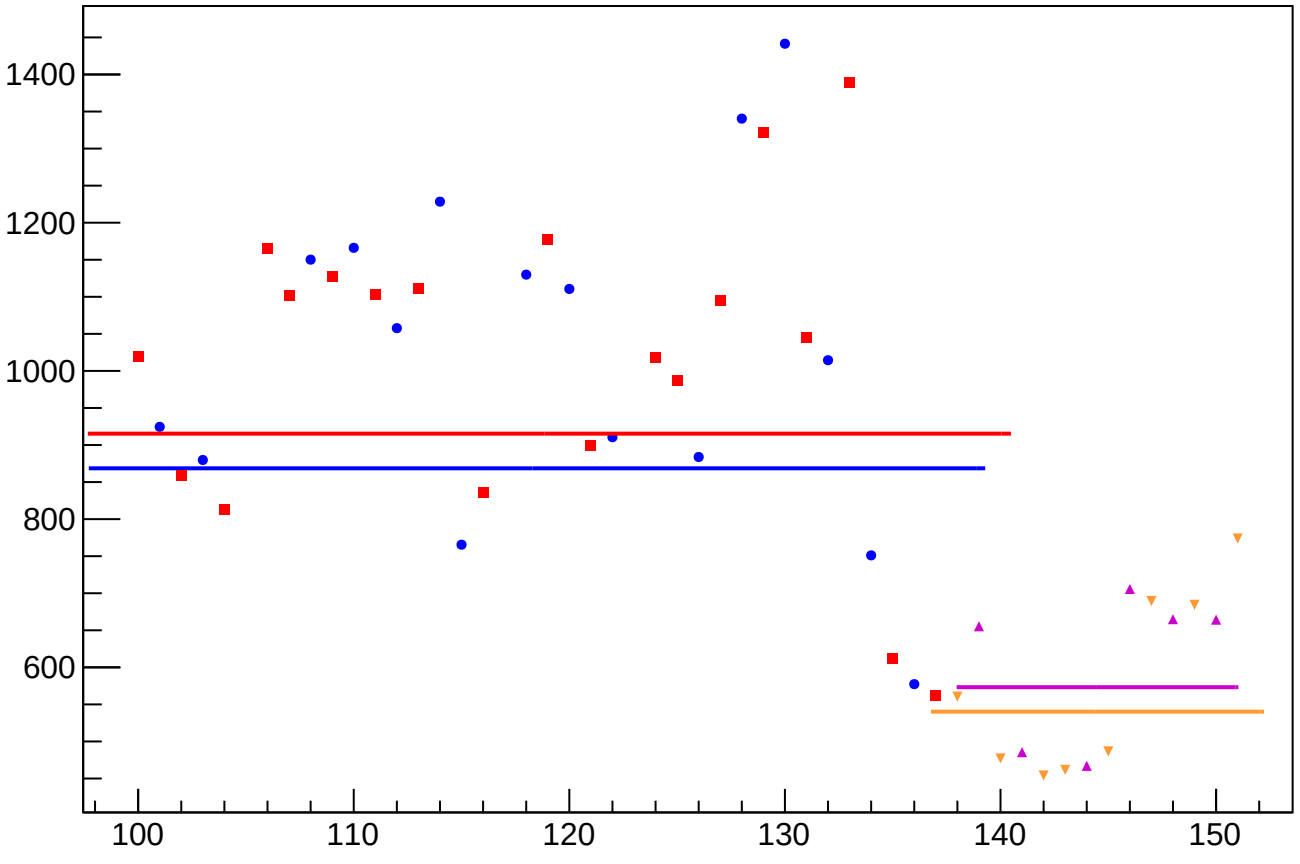
Left: 235.125+/-167.320 χ^2/NDF: 21.1/13

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 86.216+/-202.689 χ^2/NDF:25.2/21

Out: 214.070+/-187.131 χ^2/NDF:34.9/26

All: 155.238+/-137.493 χ^2/NDF: 60.4/48



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 540.218+/-0.157 χ^2/NDF:431524.4/7

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 573.215+/-0.180 χ^2/NDF:304975.0/5

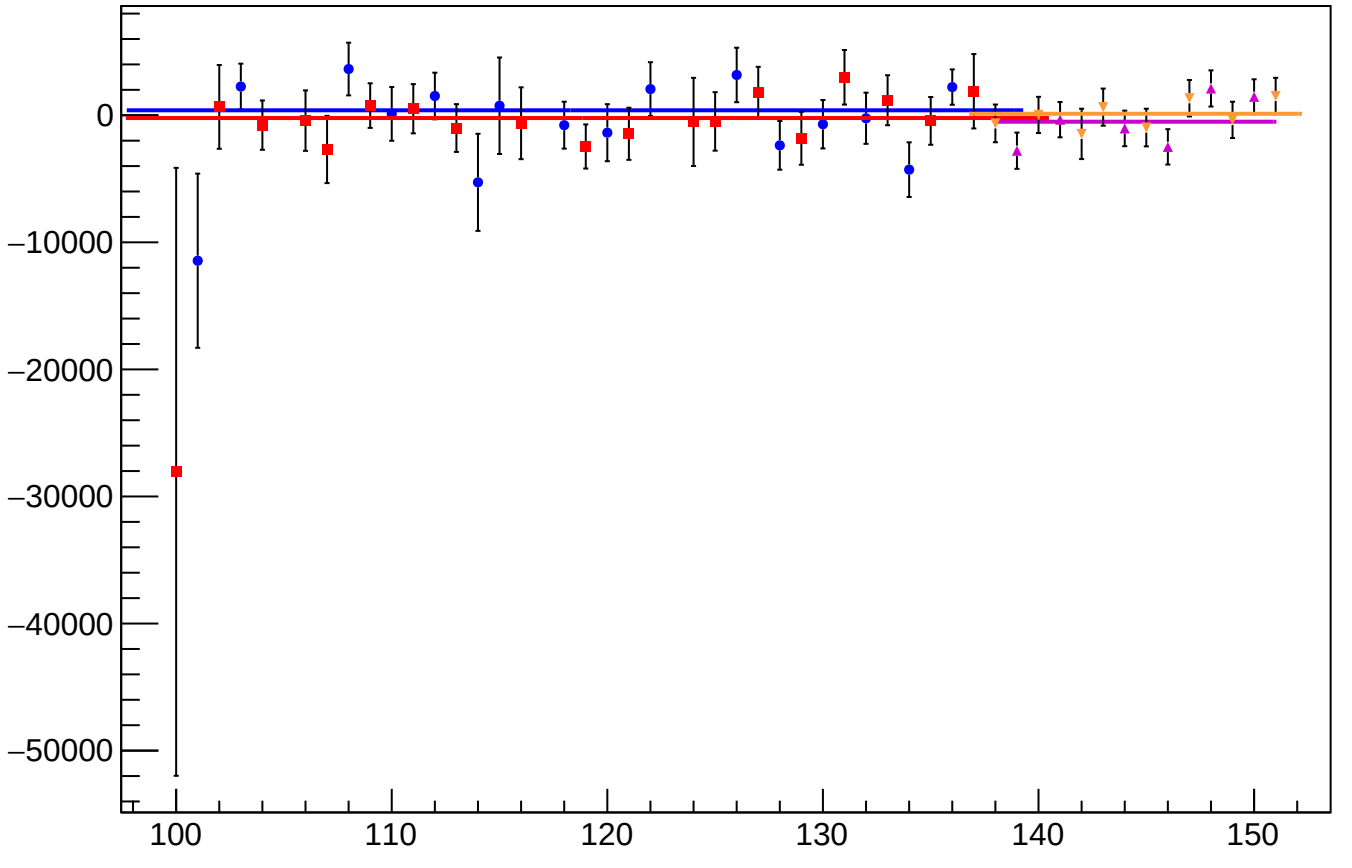
Left: 554.547+/-0.118 χ^2/NDF: 755609.1/13

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 680.364+/-0.143 χ^2/NDF:2308044.7/21

Out: 649.884+/-0.132 χ^2/NDF:2953215.7/26

All: 663.909+/-0.097 χ^2/NDF: 5285675.9/48



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: 117.273+/-527.665 χ^2/NDF:3.4/7

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -508.410+/-571.873 χ^2/NDF:10.2/5

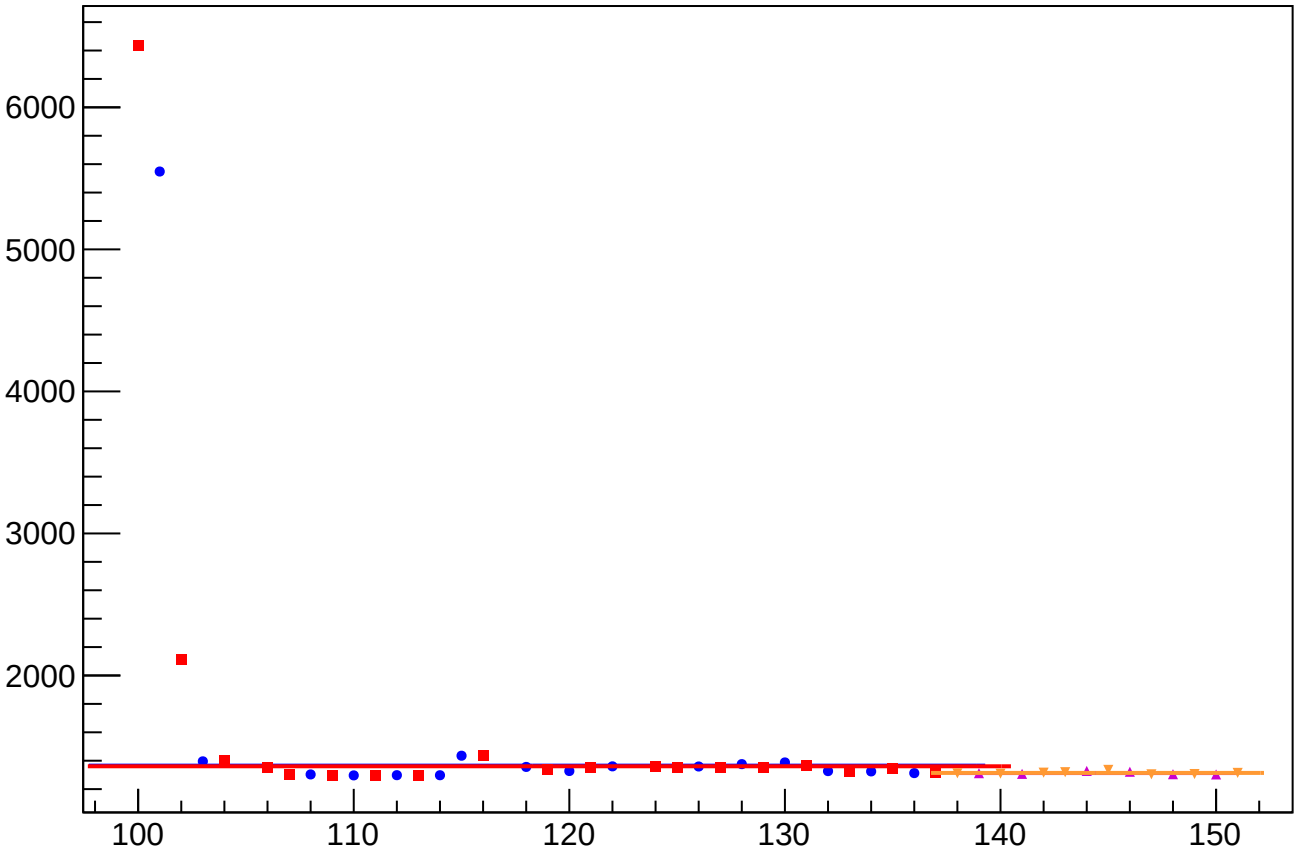
Left: -170.453+/-387.804 χ^2/NDF: 14.2/13

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -17.638+/-385.199 χ^2/NDF:32.9/21

Out: -56.846+/-365.938 χ^2/NDF:13.6/26

All: -38.247+/-265.305 χ^2/NDF: 46.5/48



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.087+/-0.373 χ^2/NDF:630.5/7

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1313.147+/-0.404 χ^2/NDF:518.6/5

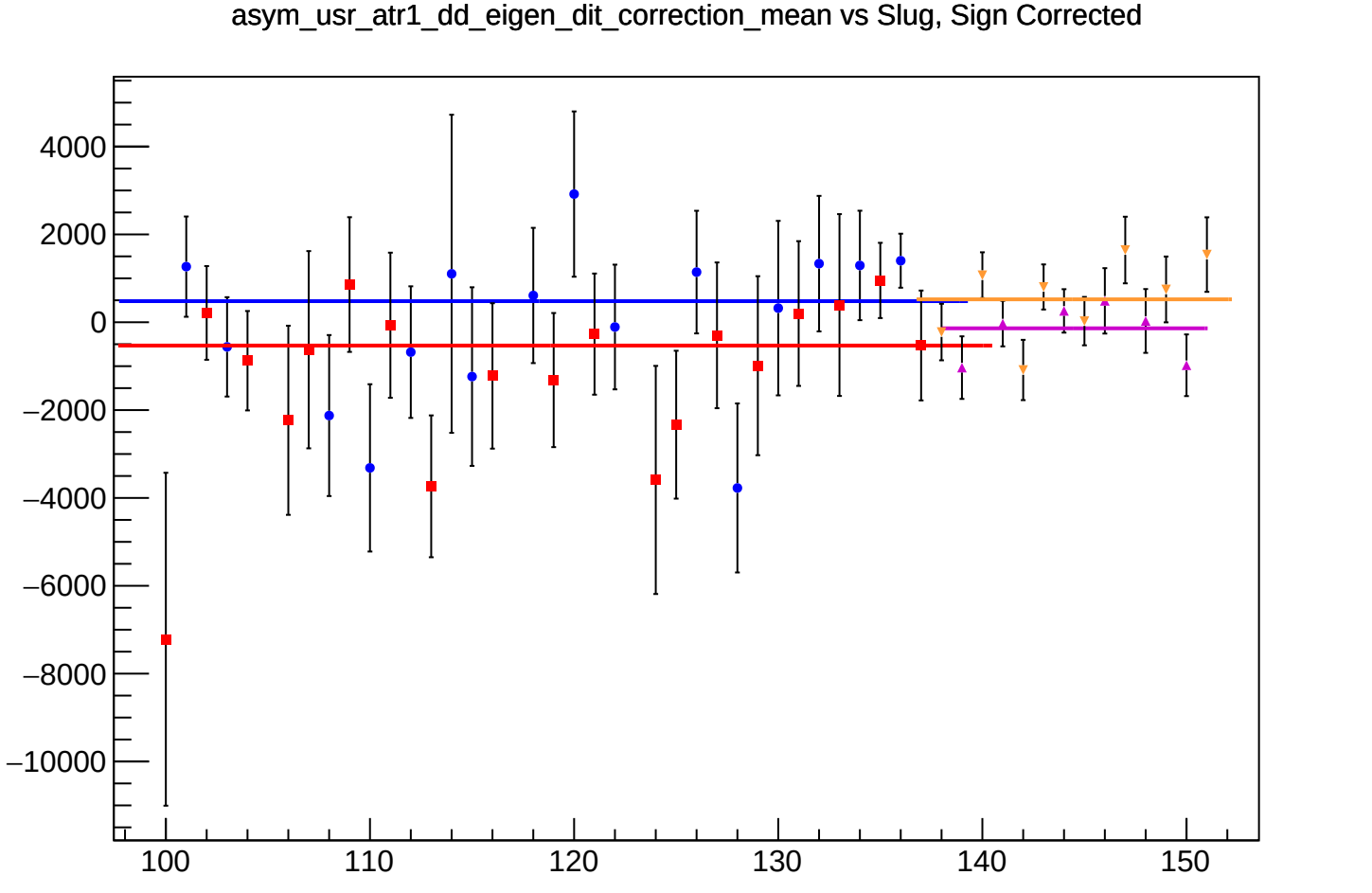
Left: 1313.655+/-0.274 χ^2/NDF: 1152.0/13

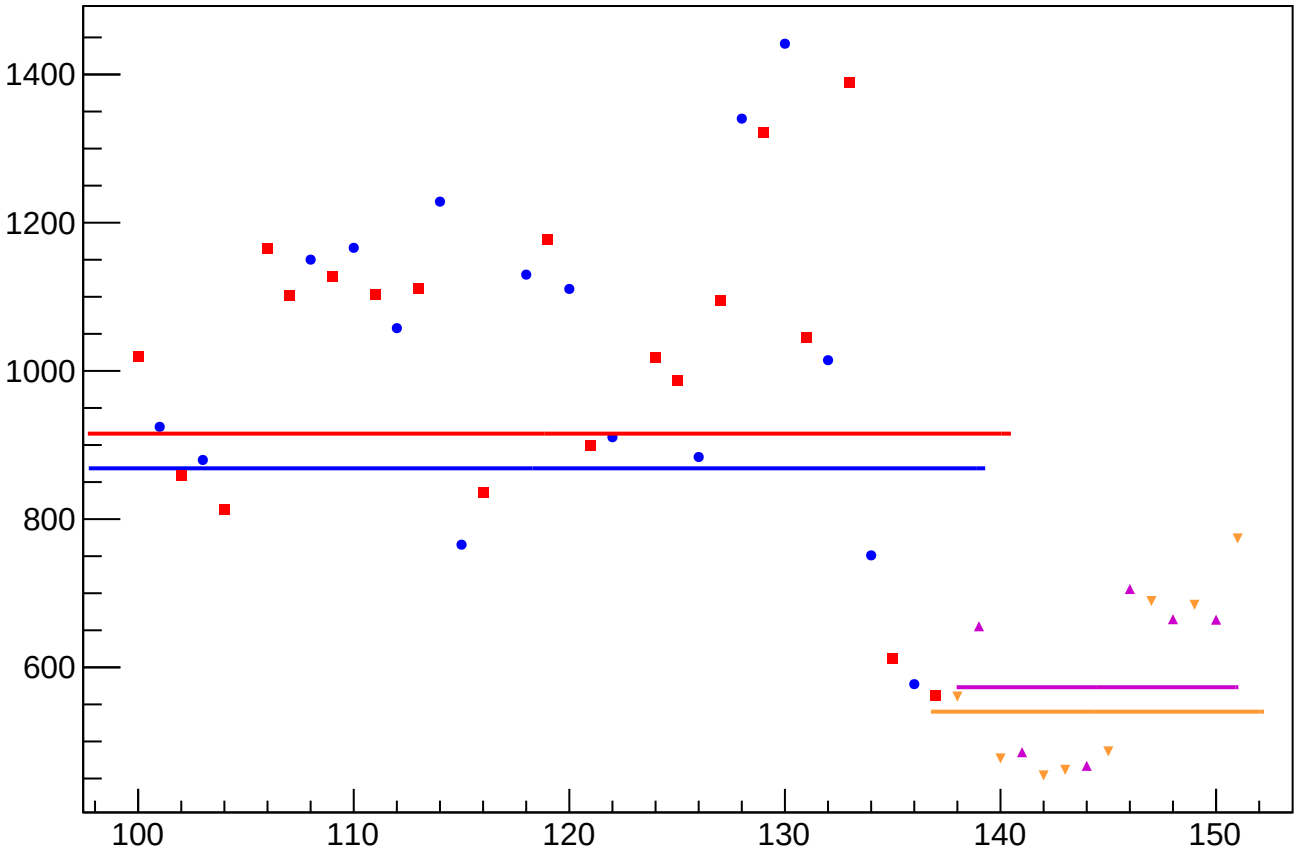
Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1341.639+/-0.272 χ^2/NDF:768550.9/21

Out: 1338.318+/-0.259 χ^2/NDF:214071.4/26

All: 1339.894+/-0.188 χ^2/NDF: 982700.4/48


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 521.660+/-222.449 χ²/NDF:12.8/7
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -138.197+/-253.913 χ²/NDF:4.5/5
Left: 235.127+/-167.320 χ²/NDF: 21.1/13
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 86.216+/-202.689 χ²/NDF:25.2/21
Out: 214.071+/-187.131 χ²/NDF:34.9/26
All: 155.238+/-137.493 χ²/NDF: 60.4/48



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 540.218+/-0.157 χ^2/NDF:431527.9/7

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 573.216+/-0.180 χ^2/NDF:304976.1/5

Left: 554.547+/-0.118 χ^2/NDF: 755614.6/13

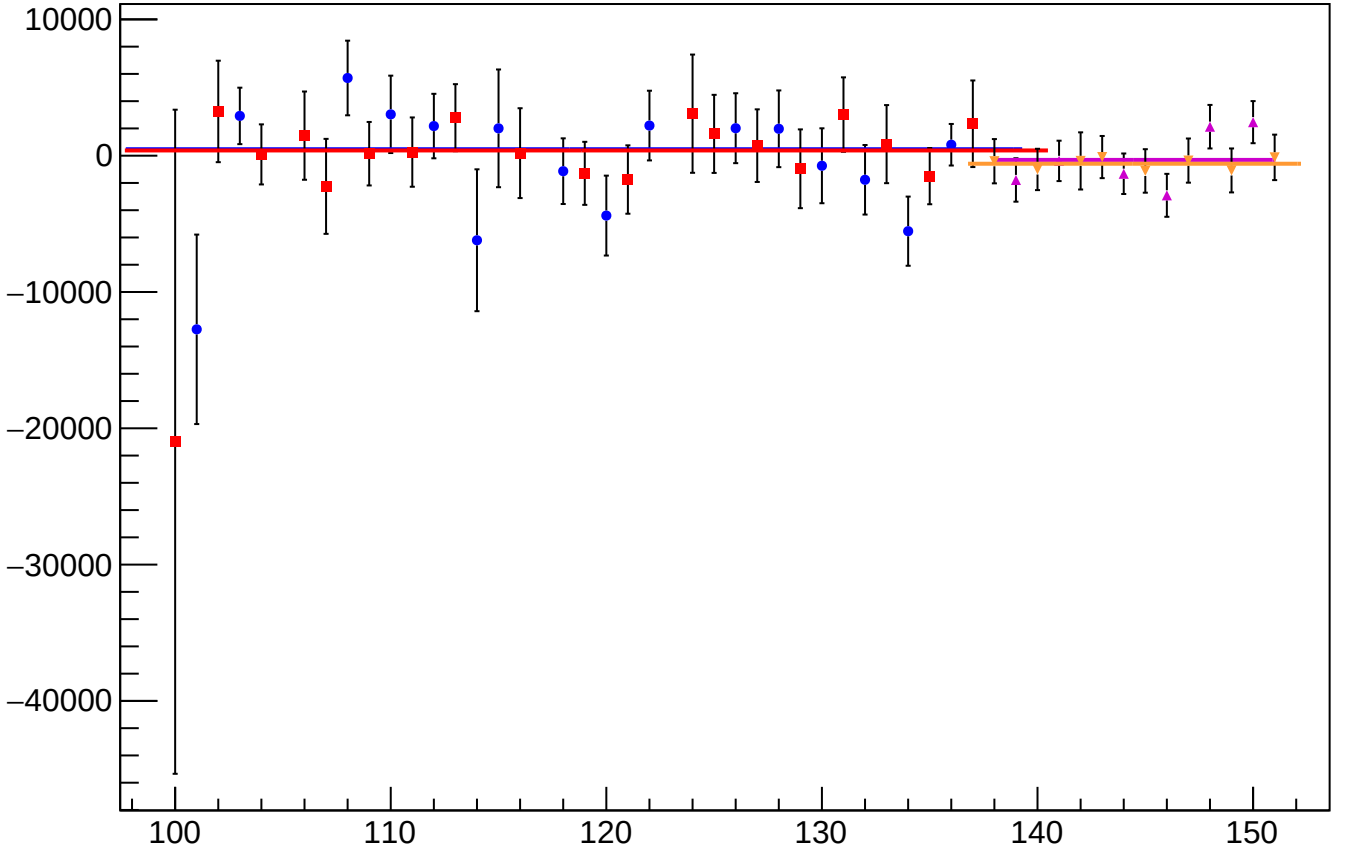
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 680.364+/-0.143 χ^2/NDF:2308028.5/21

Out: 649.883+/-0.132 χ^2/NDF:2953211.7/26

All: 663.909+/-0.097 χ^2/NDF: 5285656.6/48

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -590.737+/-579.545 χ^2/NDF:0.5/7

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -310.067+/-630.441 χ^2/NDF:9.6/5

Left: -462.187+/-426.660 χ^2/NDF: 10.2/13

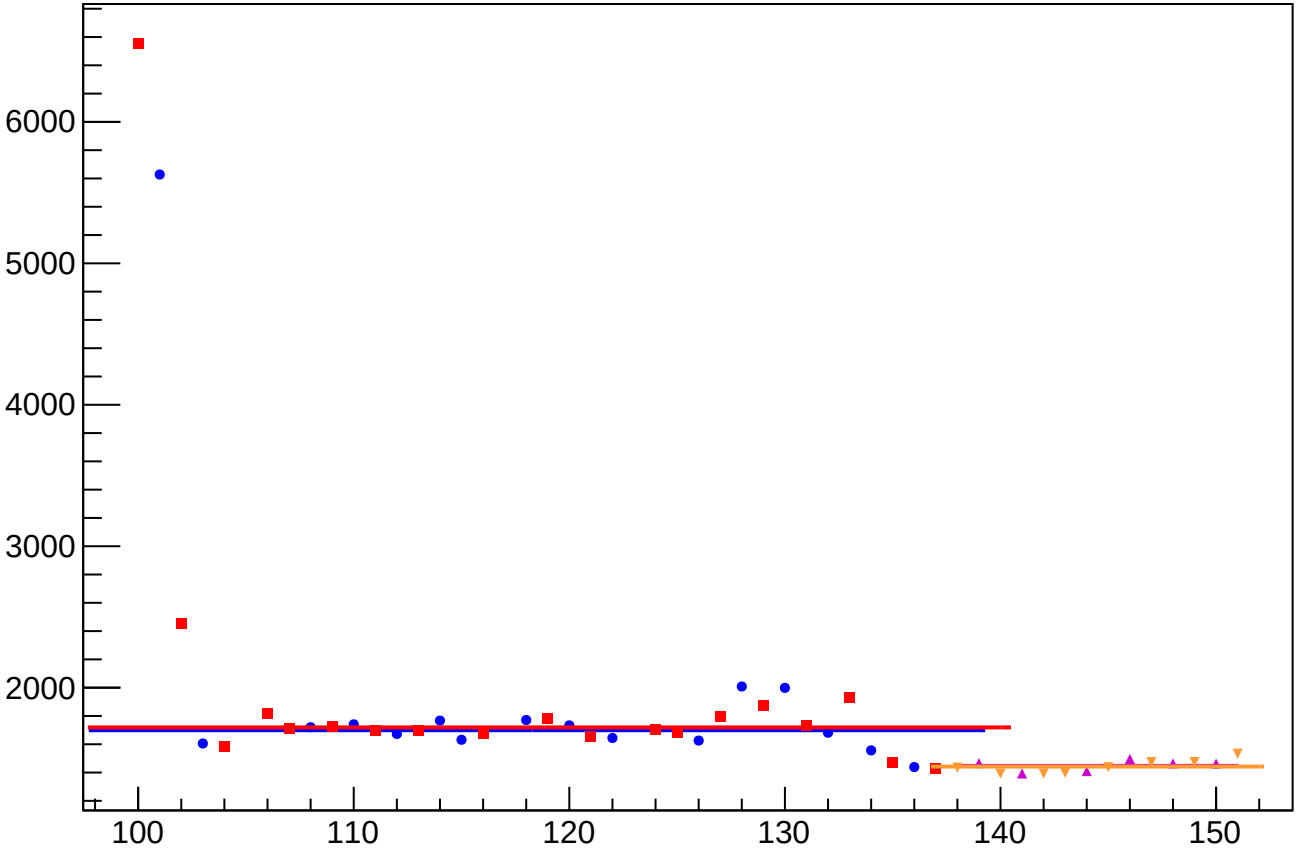
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 70.204+/-452.290 χ^2/NDF:33.0/21

Out: -152.718+/-430.189 χ^2/NDF:9.0/26

All: -46.837+/-311.710 χ^2/NDF: 42.2/48

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1442.351+/-0.410 χ^2/NDF:12457.7/7

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1447.136+/-0.446 χ^2/NDF:6549.3/5

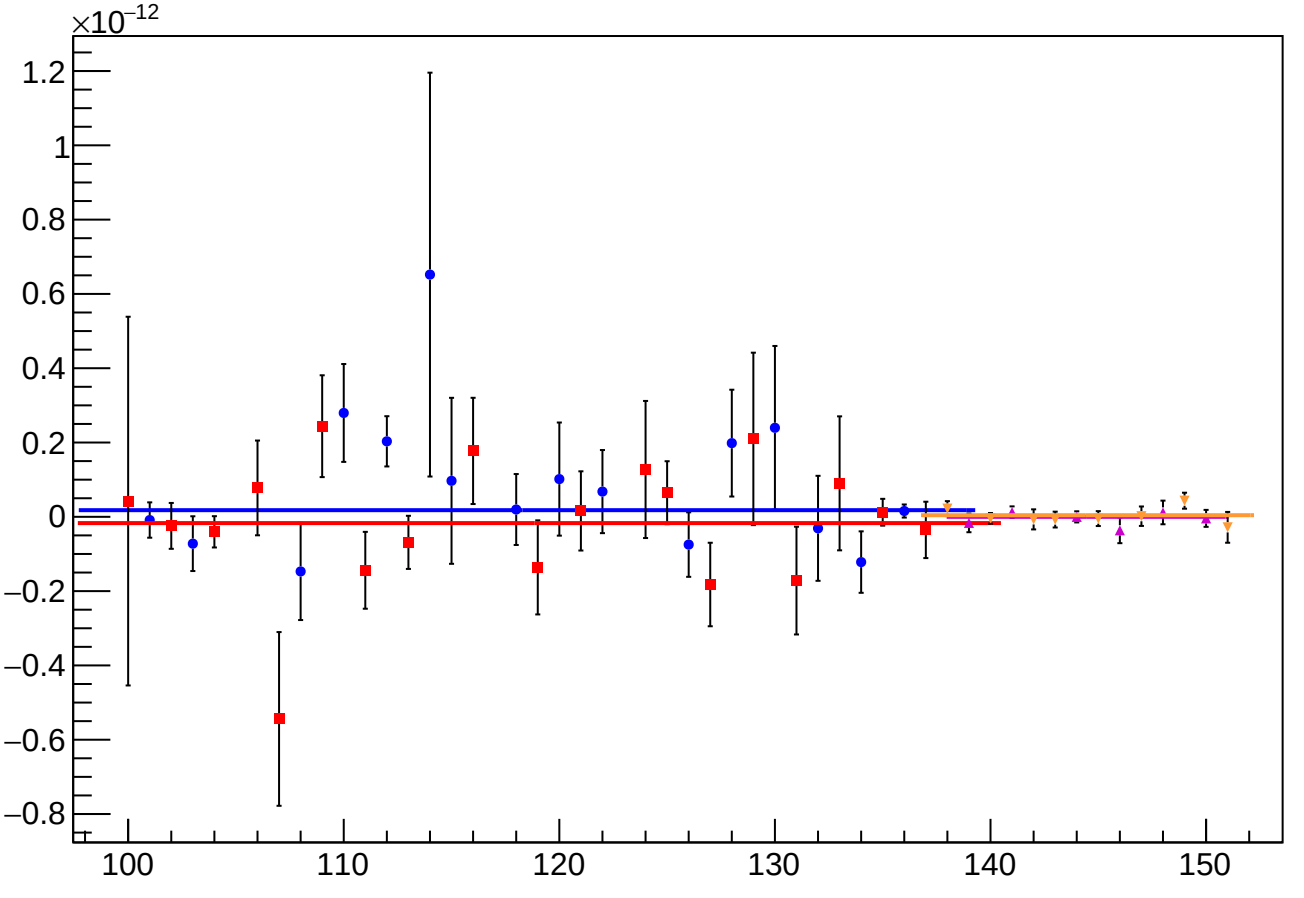
Left: 1444.542+/-0.302 χ^2/NDF: 19069.4/13

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1569.528+/-0.320 χ^2/NDF:923968.2/21

Out: 1566.616+/-0.304 χ^2/NDF:450991.8/26

All: 1567.999+/-0.220 χ^2/NDF: 1375003.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/5

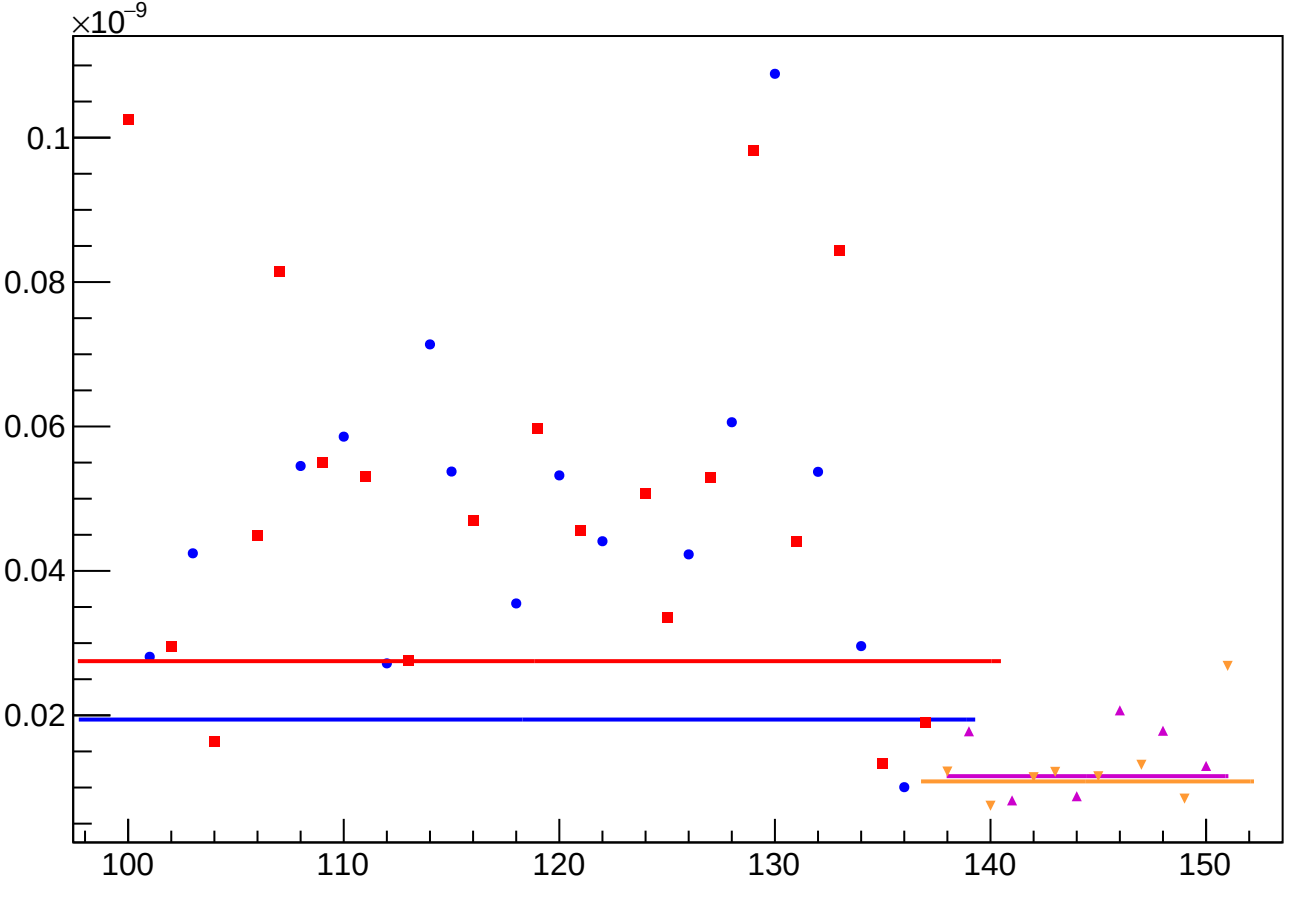
Left: 0.000+/-0.000 χ^2/NDF: 8.2/13

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:27.1/21

Out: 0.000+/-0.000 χ^2/NDF:28.1/26

All: 0.000+/-0.000 χ^2/NDF: 55.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:468338.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:508585.5/5

Left: 0.000+/-0.000 χ^2/NDF: 985170.9/13

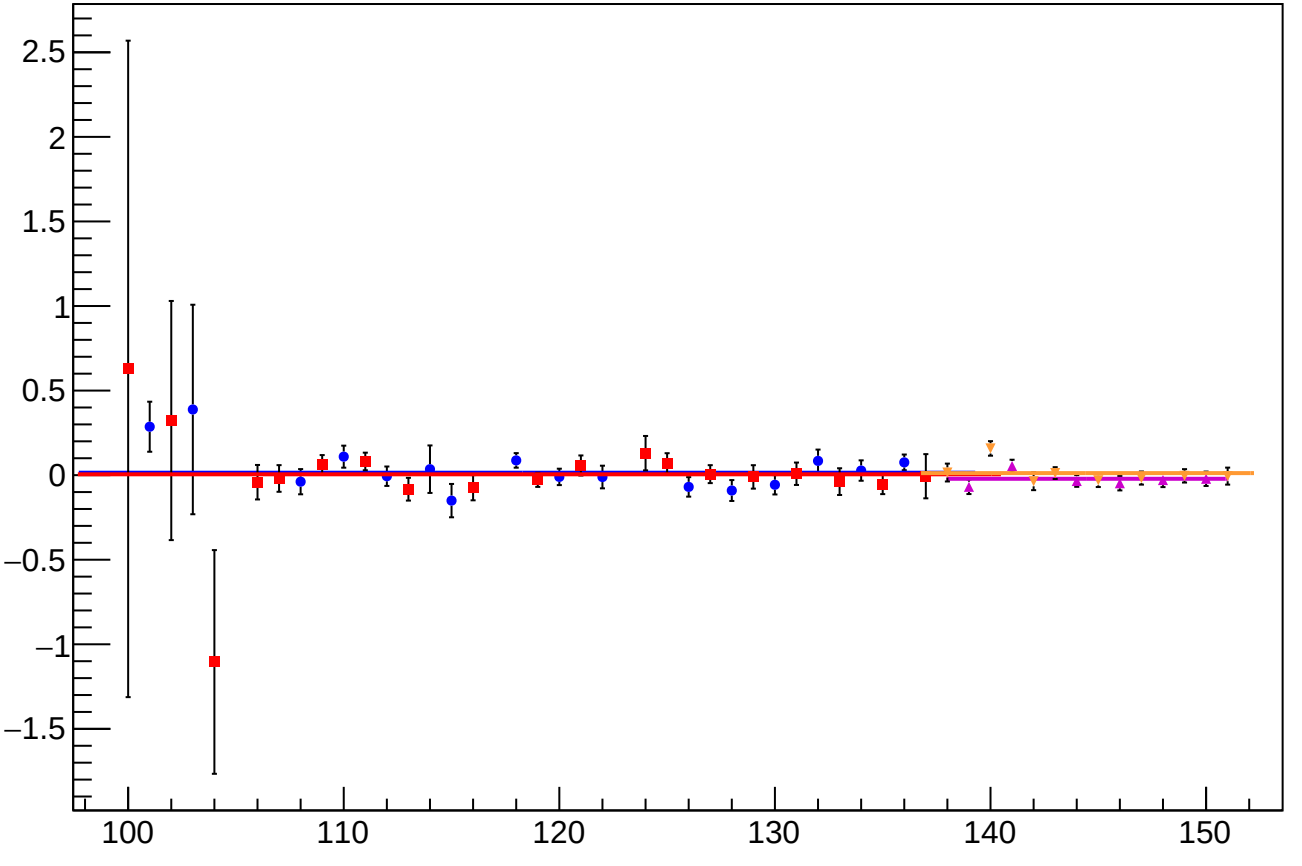
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3224707.6/21

Out: 0.000+/-0.000 χ^2/NDF:3433403.1/26

All: 0.000+/-0.000 χ^2/NDF: 6663090.4/48

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.021+/-0.016 χ^2/NDF:5.9/5

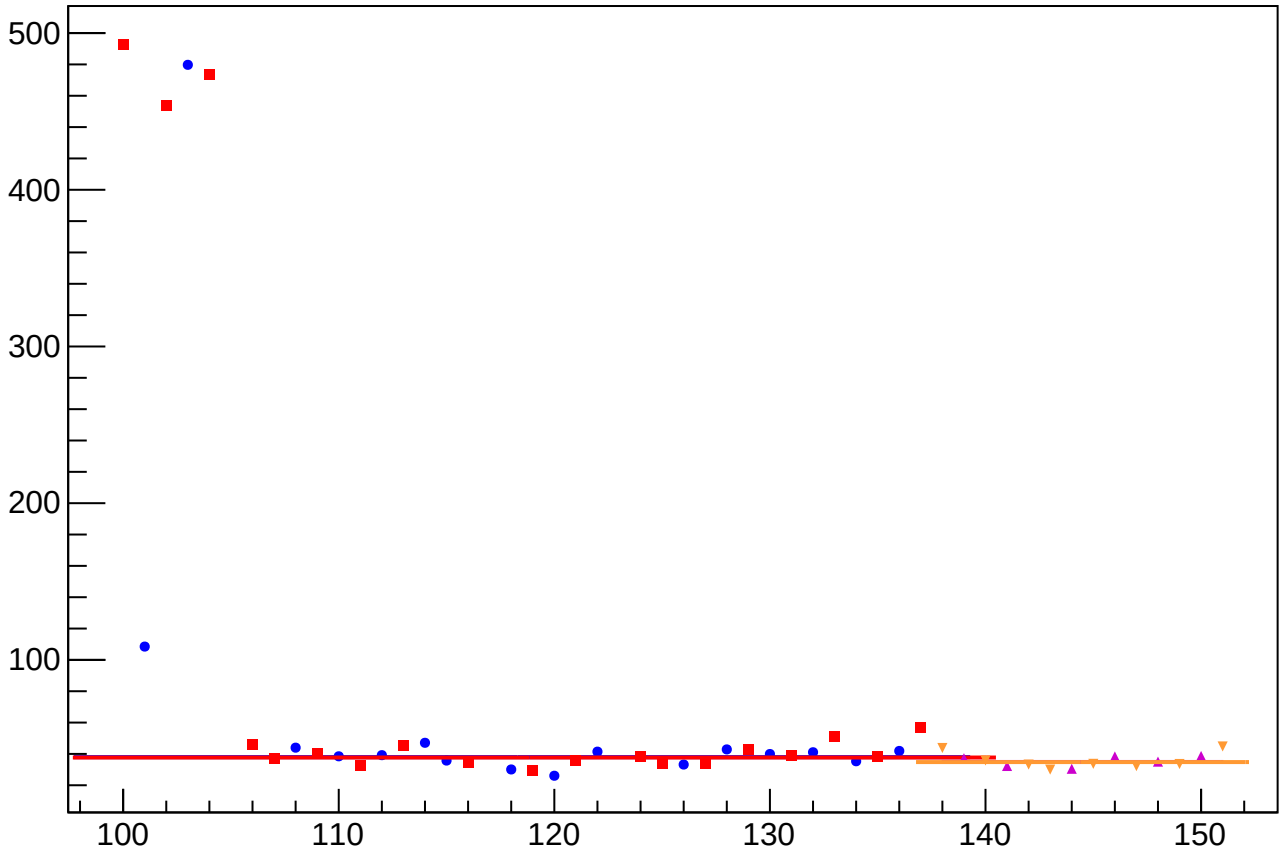
Left: -0.003+/-0.011 χ^2/NDF: 22.6/13

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.011 χ^2/NDF:30.5/21

Out: 0.009+/-0.011 χ^2/NDF:29.3/26

All: 0.003+/-0.008 χ^2/NDF: 60.4/48



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 34.795+/-0.011 χ^2/NDF:189302.3/7

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.858+/-0.011 χ^2/NDF:77069.1/5

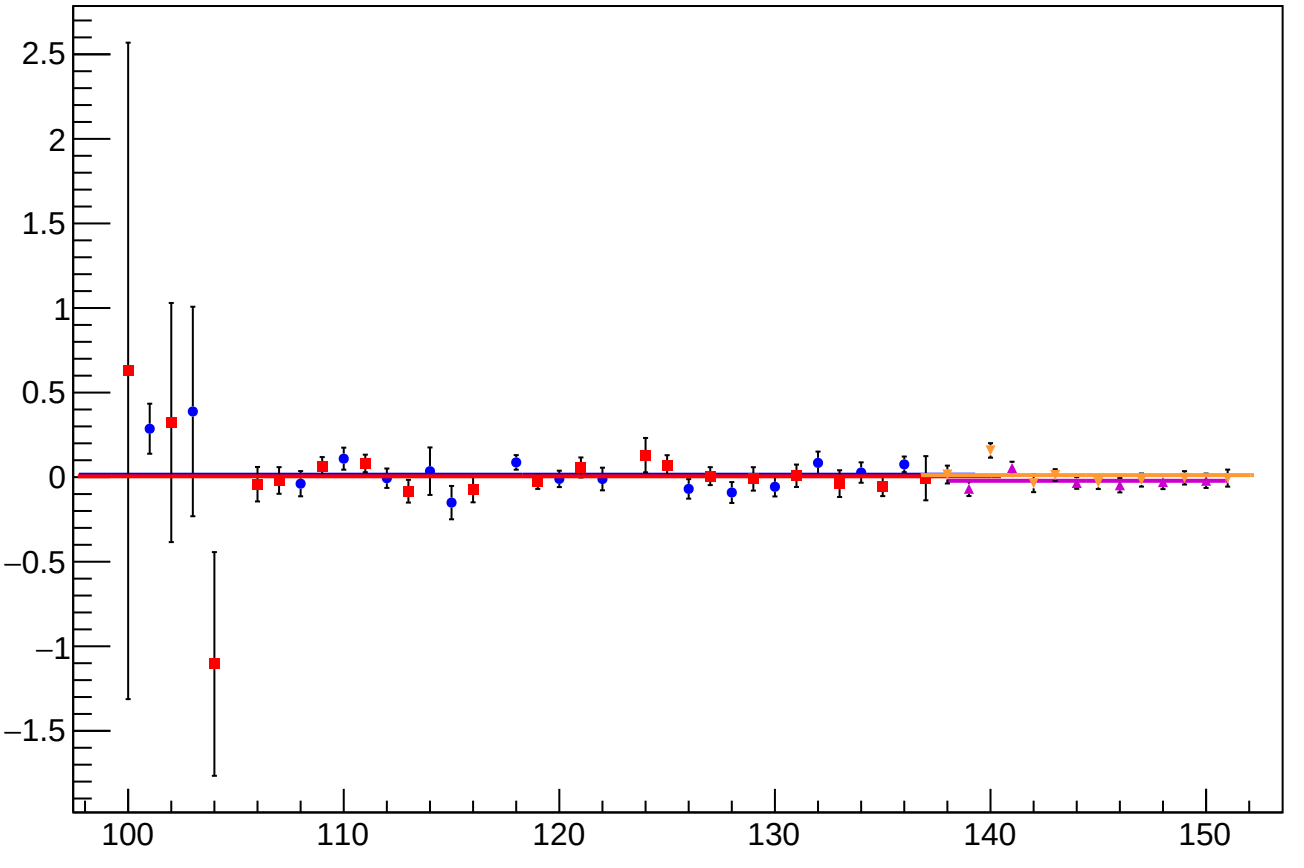
Left: 34.824+/-0.008 χ^2/NDF: 266387.5/13

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.431+/-0.008 χ^2/NDF:1853480.4/21

Out: 36.155+/-0.008 χ^2/NDF:2168891.6/26

All: 36.288+/-0.006 χ^2/NDF: 4022979.0/48



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.021+/-0.016 χ^2/NDF:5.9/5

Left: -0.003+/-0.011 χ^2/NDF: 22.6/13

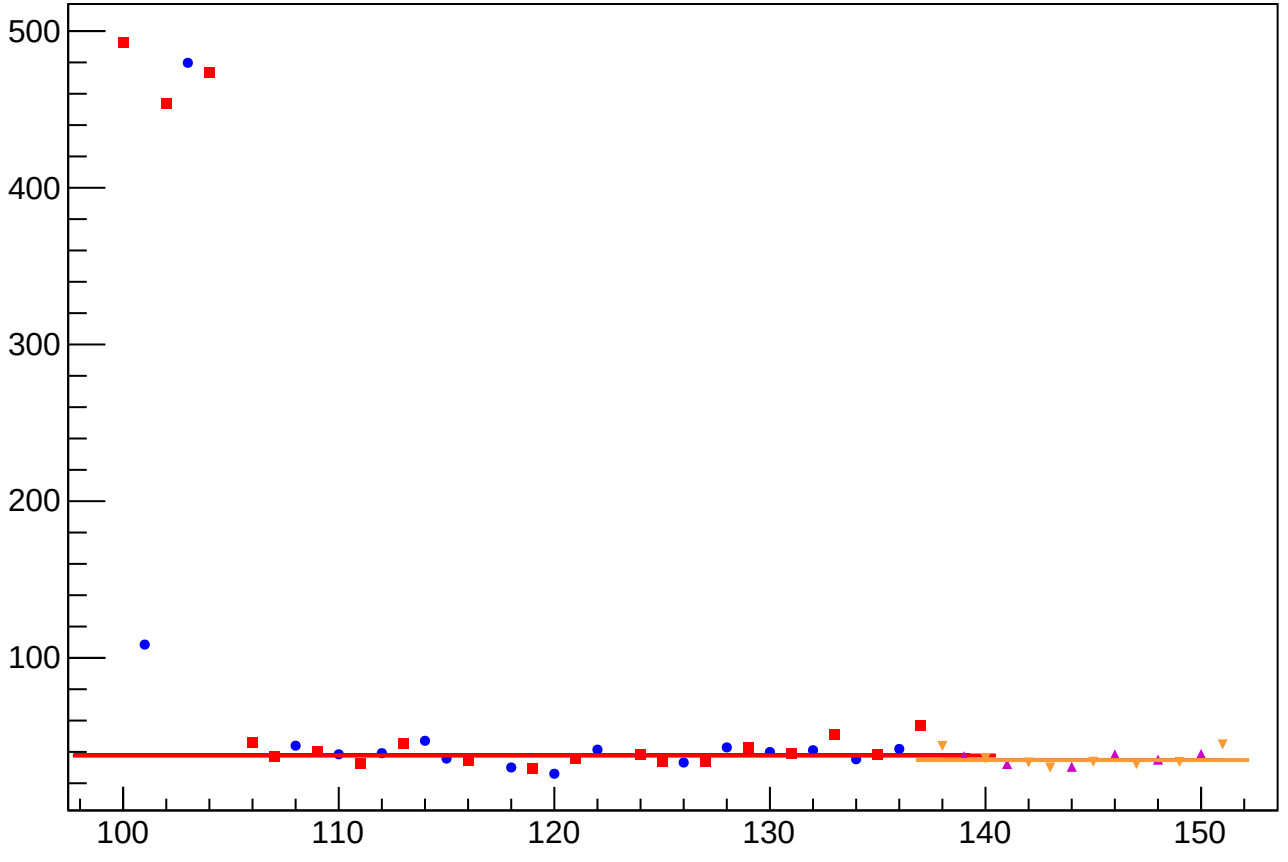
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.011 χ^2/NDF:30.5/21

Out: 0.009+/-0.011 χ^2/NDF:29.3/26

All: 0.003+/-0.008 χ^2/NDF: 60.4/48

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: 34.795+/-0.011 χ^2/NDF:189302.3/7

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 34.858+/-0.011 χ^2/NDF:77069.1/5

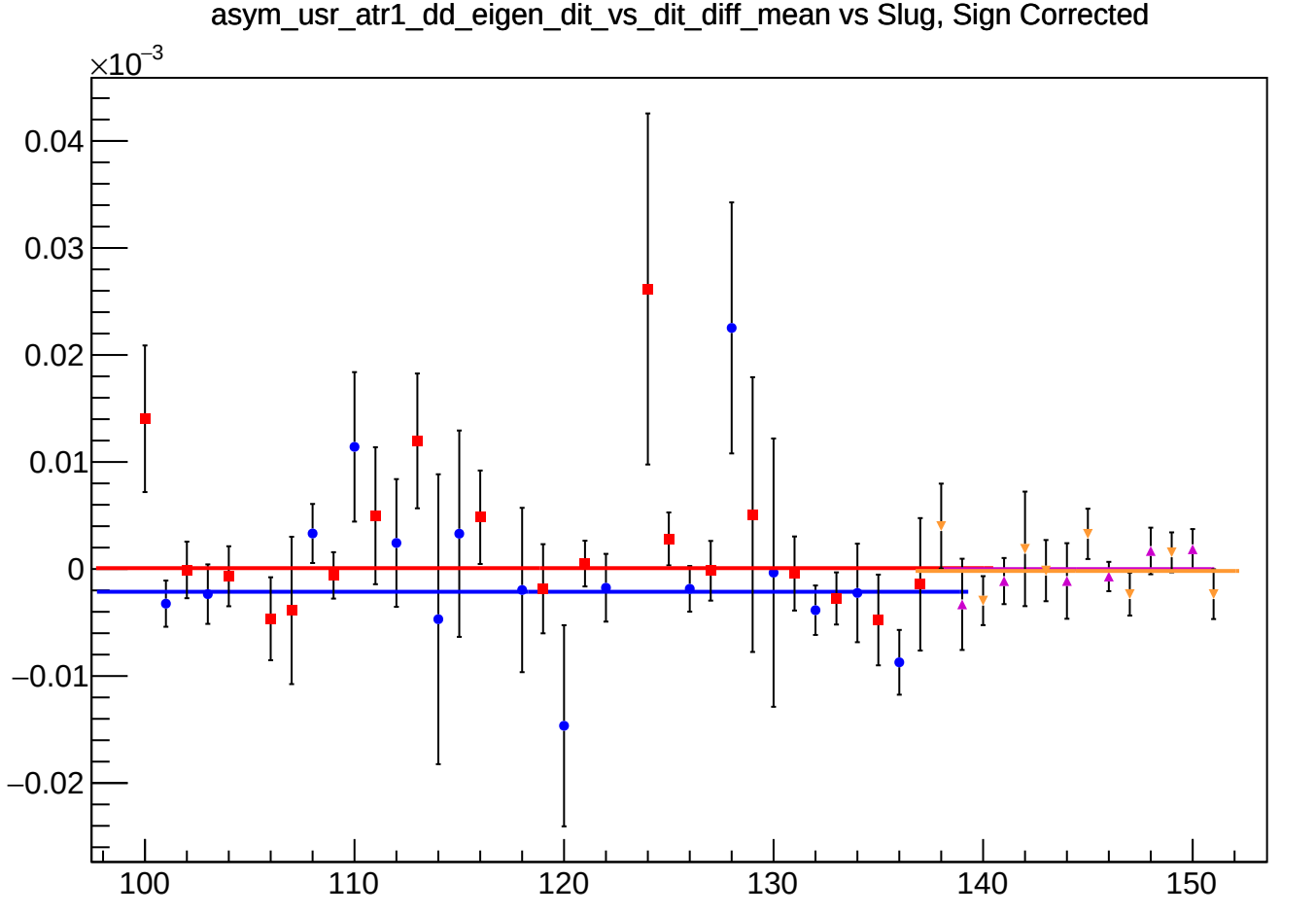
Left: 34.824+/-0.008 χ^2/NDF: 266387.5/13

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.431+/-0.008 χ^2/NDF:1853480.4/21

Out: 36.155+/-0.008 χ^2/NDF:2168891.6/26

All: 36.288+/-0.006 χ^2/NDF: 4022979.0/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/5

Left: -0.000+/-0.000 χ^2/NDF: 10.6/13

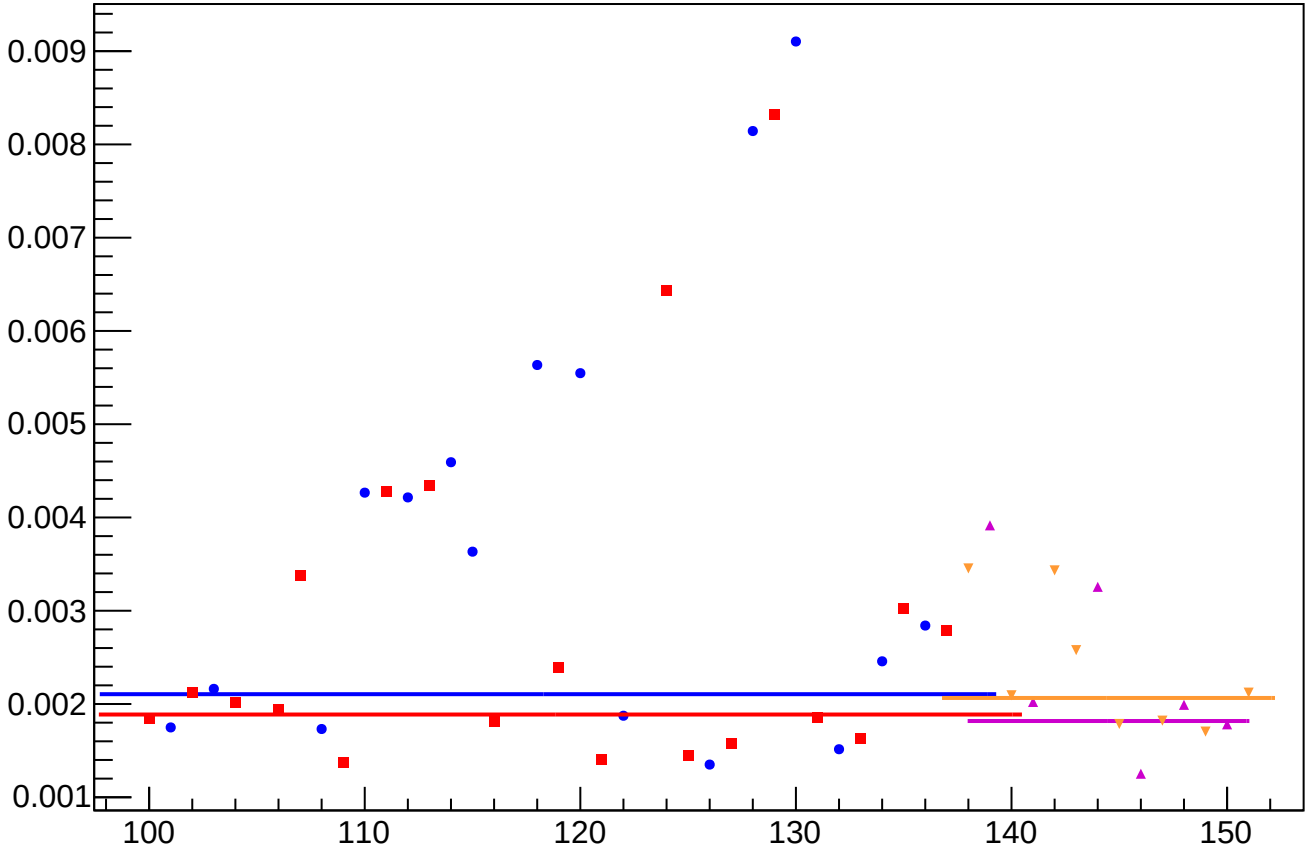
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:26.1/21

Out: -0.000+/-0.000 χ^2/NDF:26.2/26

All: -0.000+/-0.000 χ^2/NDF: 53.7/48

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:573934.8/7

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1189156.6/5

Left: 0.002+/-0.000 χ^2/NDF: 1845252.0/13

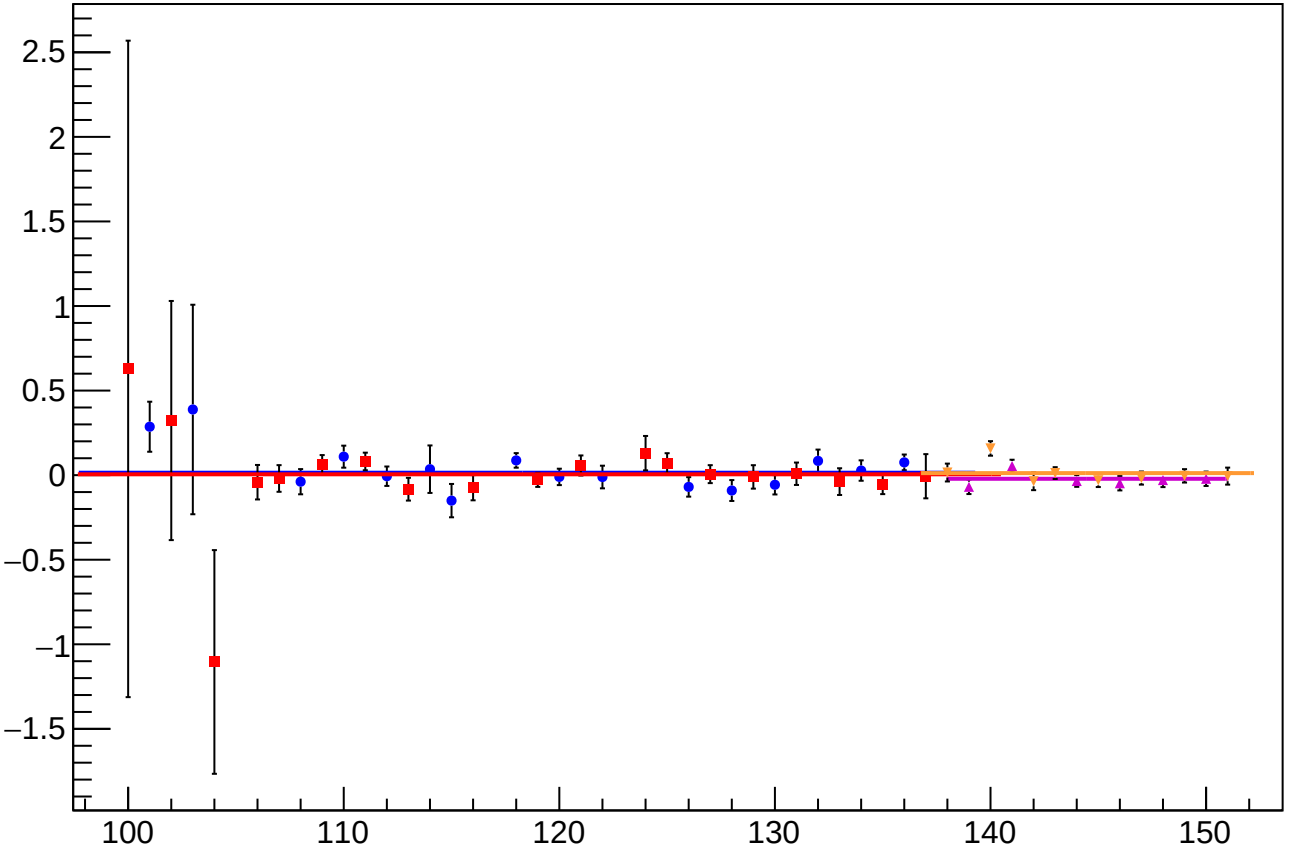
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:4314985.5/21

Out: 0.002+/-0.000 χ^2/NDF:2511485.7/26

All: 0.002+/-0.000 χ^2/NDF: 6826931.0/48

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: 0.012+/-0.015 χ^2/NDF:14.3/7

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.021+/-0.016 χ^2/NDF:5.9/5

Left: -0.003+/-0.011 χ^2/NDF: 22.6/13

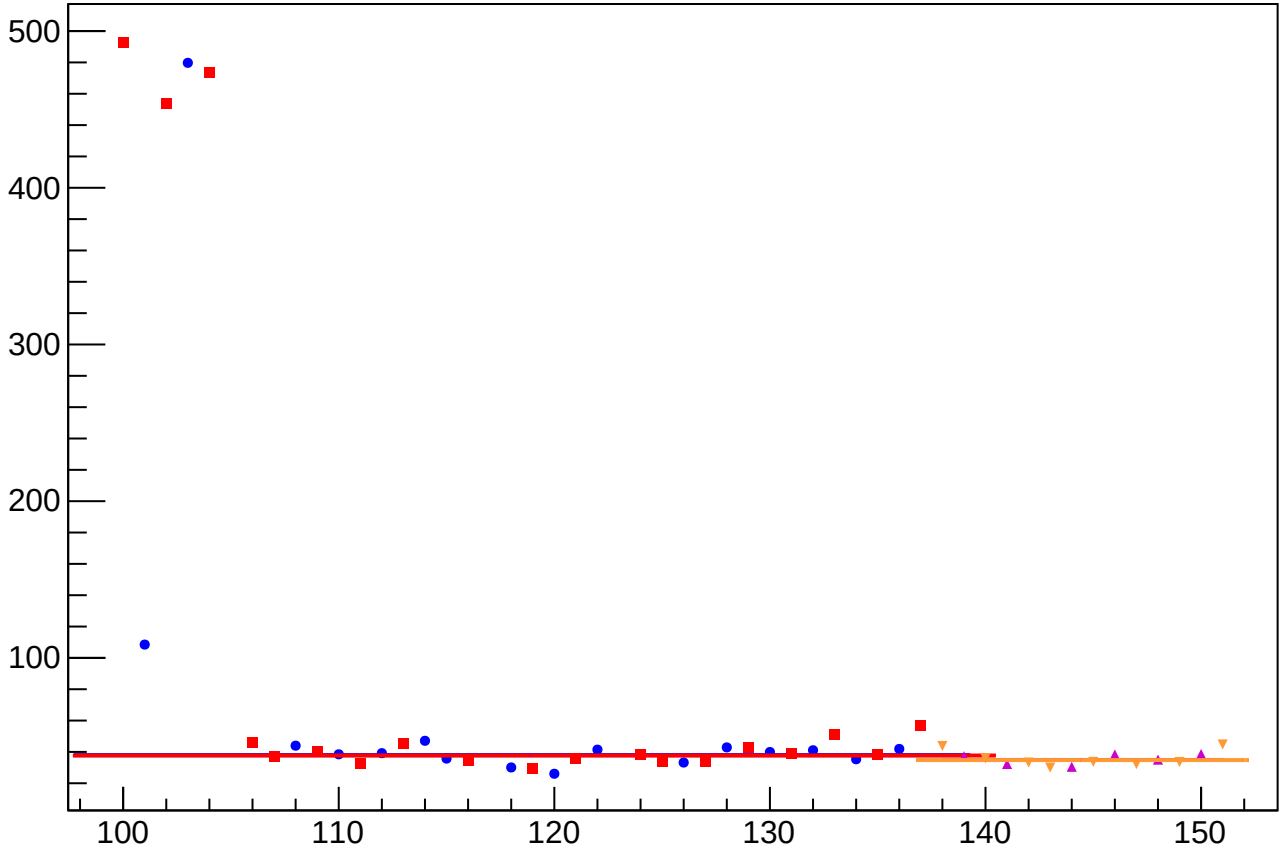
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.011 χ^2/NDF:30.5/21

Out: 0.009+/-0.011 χ^2/NDF:29.3/26

All: 0.003+/-0.008 χ^2/NDF: 60.4/48

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: 34.795+/-0.011 χ^2/NDF:189336.2/7

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.857+/-0.011 χ^2/NDF:77073.2/5

Left: 34.824+/-0.008 χ^2/NDF: 266425.5/13

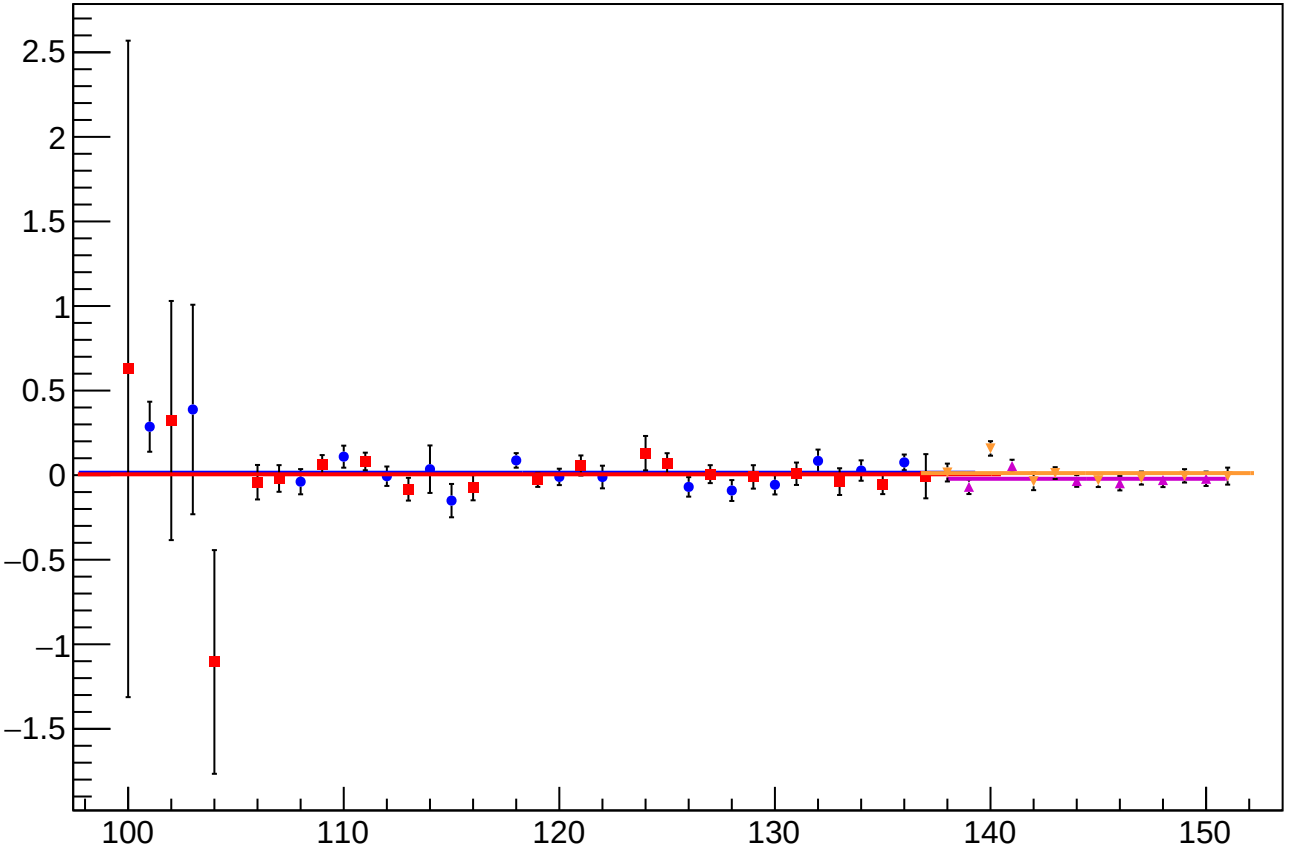
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.430+/-0.008 χ^2/NDF:1853496.0/21

Out: 36.154+/-0.008 χ^2/NDF:2168984.2/26

All: 36.287+/-0.006 χ^2/NDF: 4023088.5/48

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: 0.012+/-0.015 χ^2/NDF:14.3/7

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.021+/-0.016 χ^2/NDF:5.9/5

Left: -0.003+/-0.011 χ^2/NDF: 22.6/13

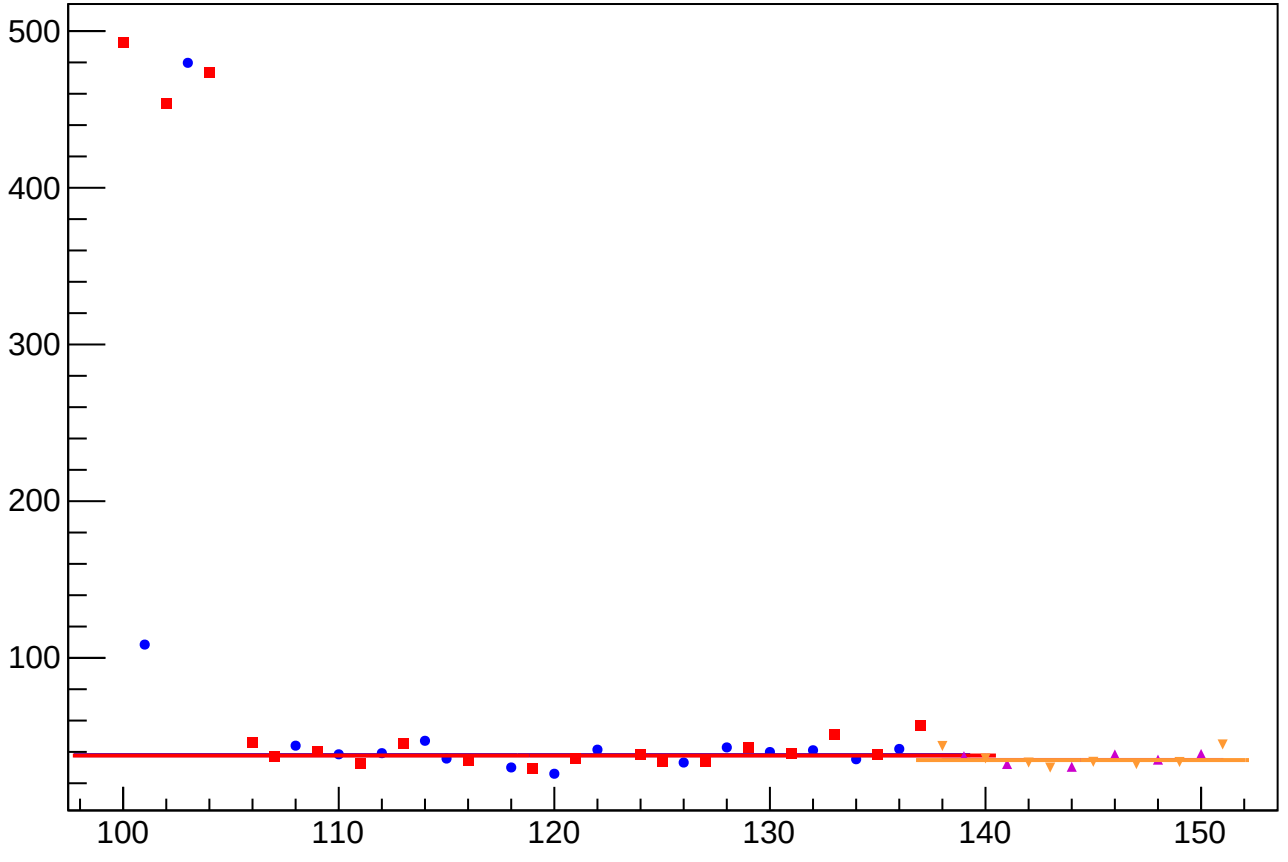
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.011 χ^2/NDF:30.5/21

Out: 0.009+/-0.011 χ^2/NDF:29.3/26

All: 0.003+/-0.008 χ^2/NDF: 60.4/48

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: 34.795+/-0.011 χ^2/NDF:189336.2/7

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 34.857+/-0.011 χ^2/NDF:77073.2/5

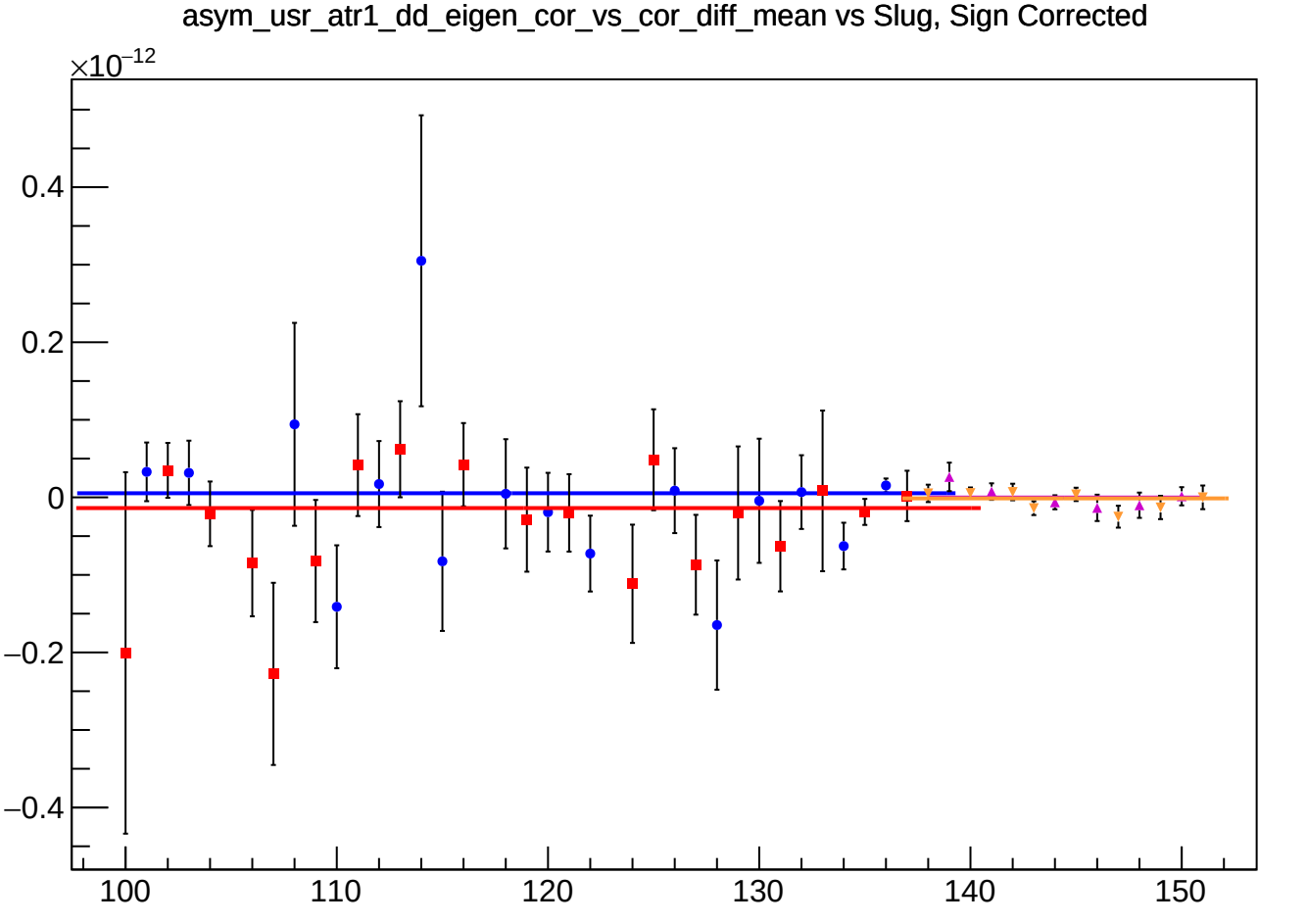
Left: 34.824+/-0.008 χ^2/NDF: 266425.5/13

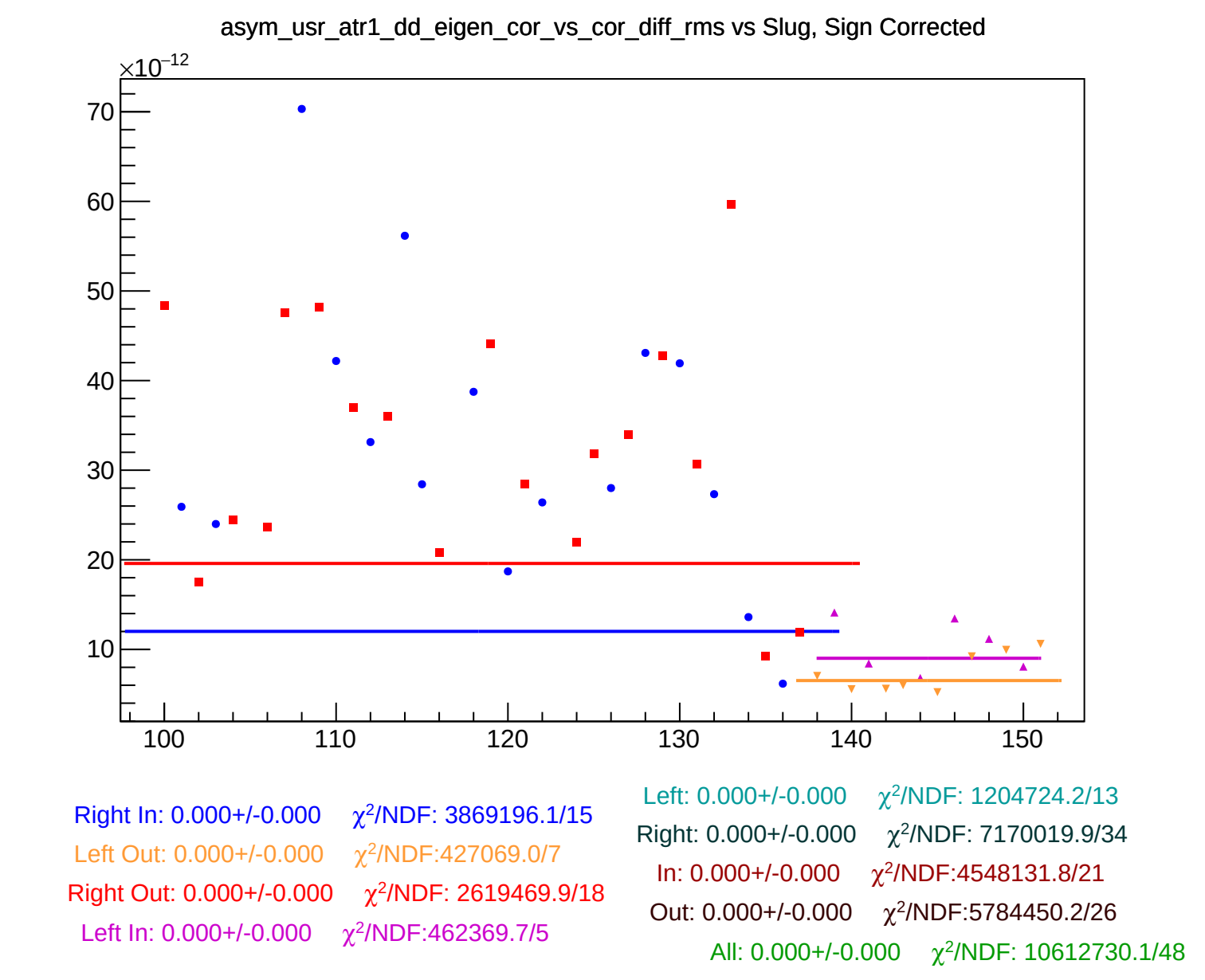
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.430+/-0.008 χ^2/NDF:1853496.0/21

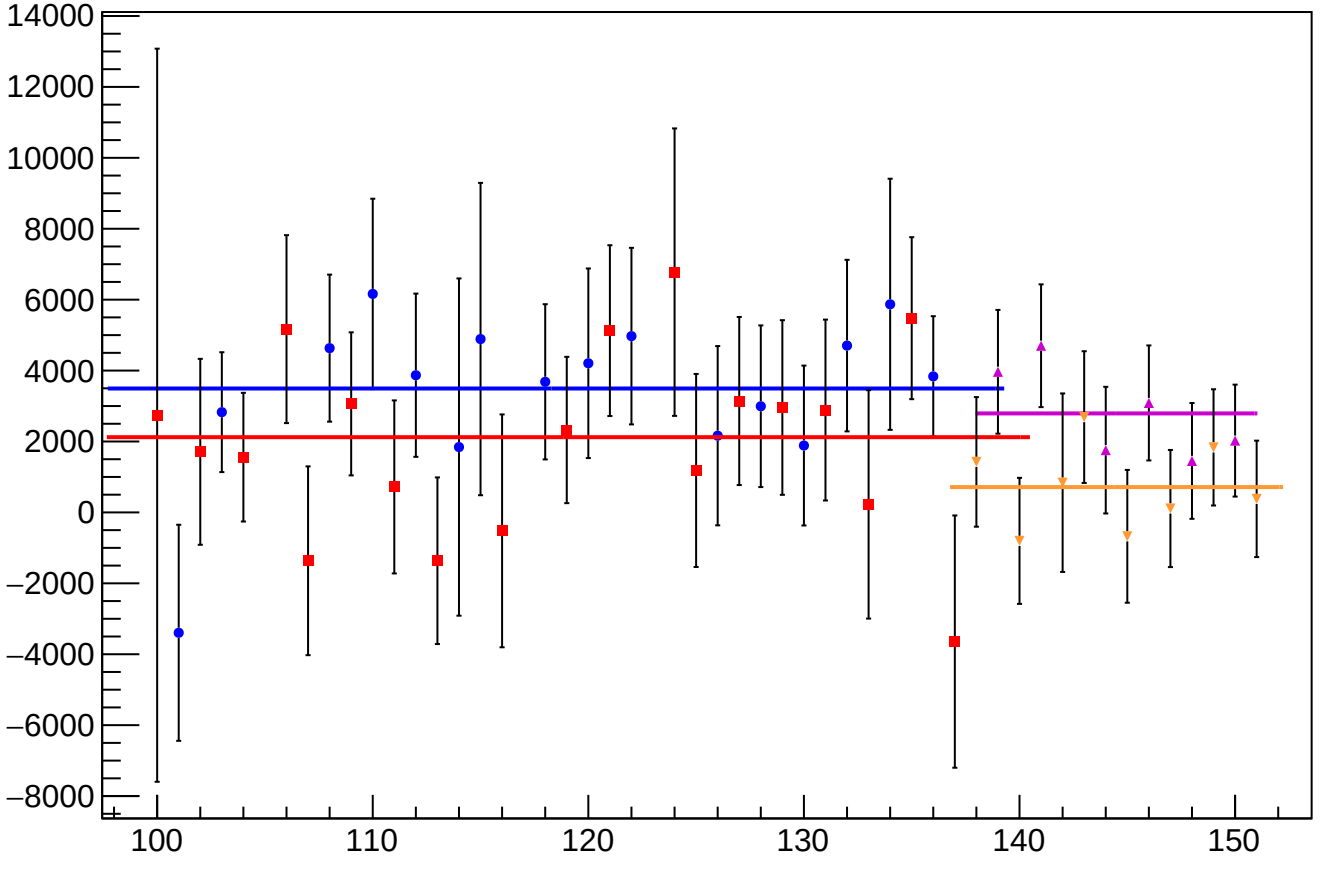
Out: 36.154+/-0.008 χ^2/NDF:2168984.2/26

All: 36.287+/-0.006 χ^2/NDF: 4023088.5/48


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 21.7/15
Left Out: -0.000+/-0.000 χ²/NDF:7.6/7
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:4.1/5
Left: -0.000+/-0.000 χ²/NDF: 11.7/13
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:26.1/21
Out: -0.000+/-0.000 χ²/NDF:24.8/26
All: -0.000+/-0.000 χ²/NDF: 51.5/48


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
150
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:427069.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:462369.7/5
Left: 0.000+/-0.000 χ²/NDF: 1204724.2/13
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:4548131.8/21
Out: 0.000+/-0.000 χ²/NDF:5784450.2/26
All: 0.000+/-0.000 χ²/NDF: 10612730.1/48

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 714.263+/-637.798 χ^2/NDF:3.2/7

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2791.882+/-684.836 χ^2/NDF:2.9/5

Left: 1679.277+/-466.735 χ^2/NDF: 11.1/13

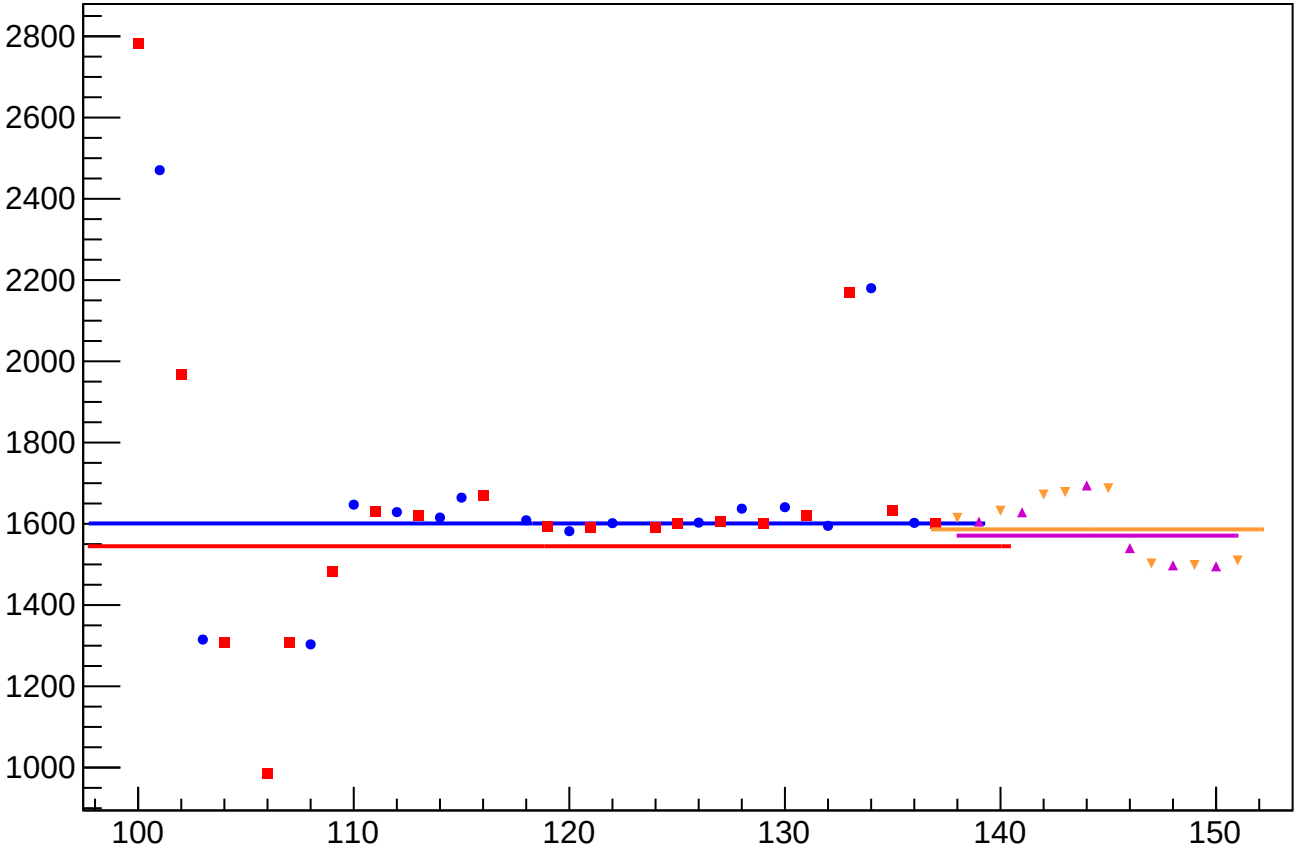
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3188.633+/-451.798 χ^2/NDF:12.4/21

Out: 1475.529+/-432.161 χ^2/NDF:20.9/26

All: 2294.042+/-312.295 χ^2/NDF: 40.8/48

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1586.331+/-0.451 χ^2/NDF:30104.2/7

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1570.864+/-0.484 χ^2/NDF:21879.3/5

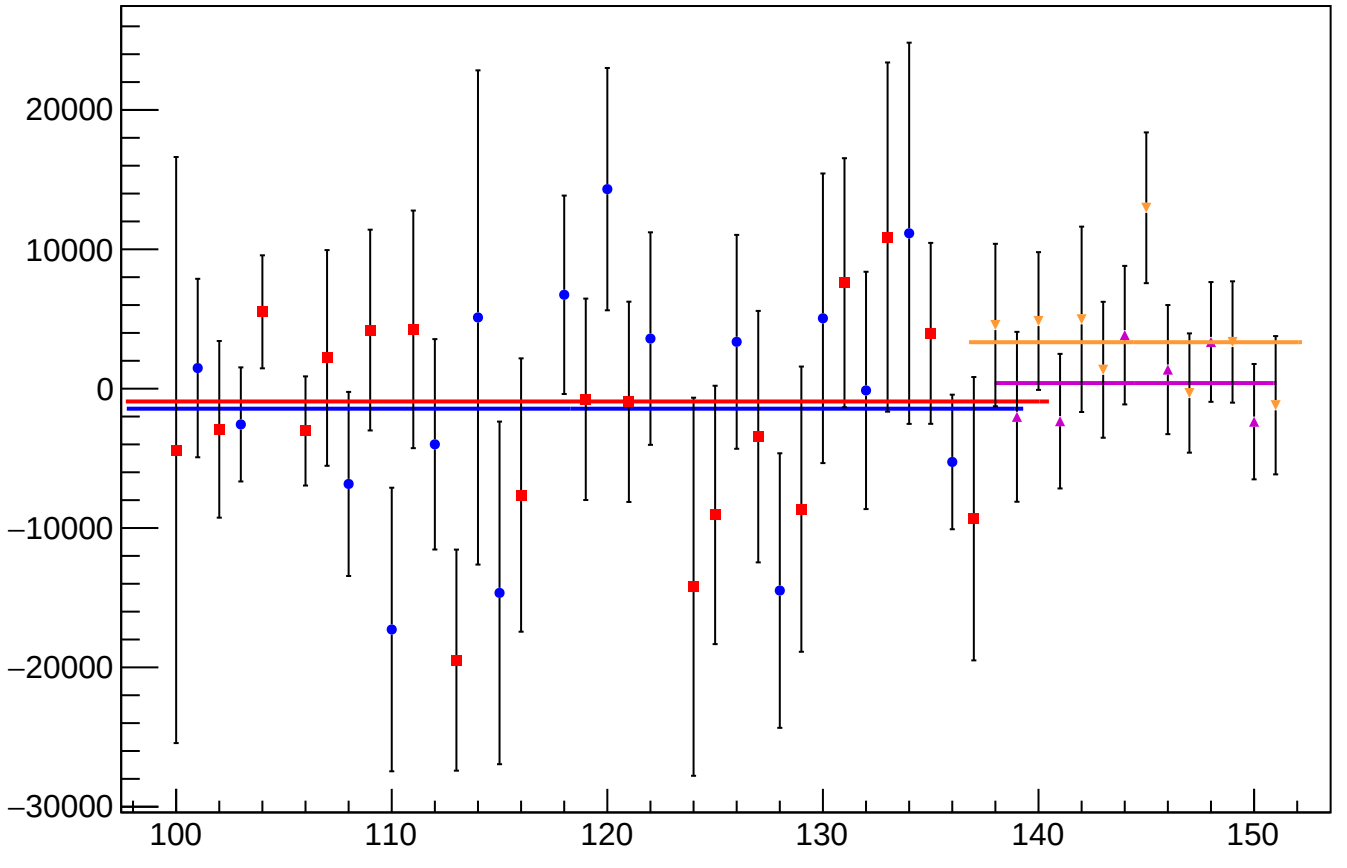
Left: 1579.147+/-0.330 χ^2/NDF: 52529.7/13

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1587.816+/-0.319 χ^2/NDF:341463.0/21

Out: 1563.526+/-0.303 χ^2/NDF:410887.0/26

All: 1575.021+/-0.220 χ^2/NDF: 755395.3/48



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 3334.366+/-1775.658 χ^2/NDF:5.1/7

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 401.350+/-1926.633 χ^2/NDF:1.9/5

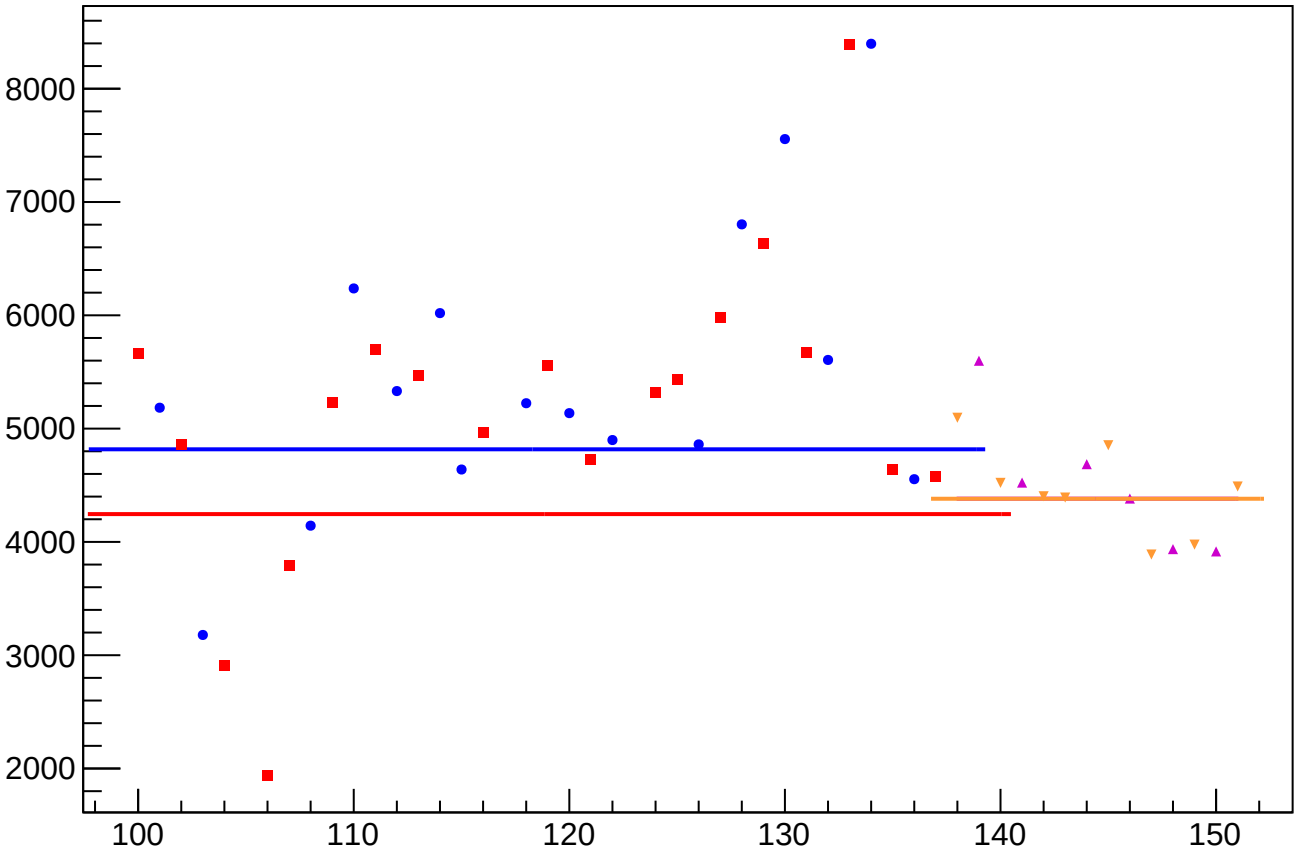
Left: 1987.265+/-1305.695 χ^2/NDF: 8.3/13

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -556.024+/-1333.774 χ^2/NDF:16.2/21

Out: 1076.737+/-1216.227 χ^2/NDF:23.5/26

All: 335.462+/-898.692 χ^2/NDF: 40.6/48



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4380.997+/-1.256 χ^2/NDF:91688.6/7

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4381.502+/-1.362 χ^2/NDF:135772.2/5

Left: 4381.229+/-0.923 χ^2/NDF: 227460.9/13

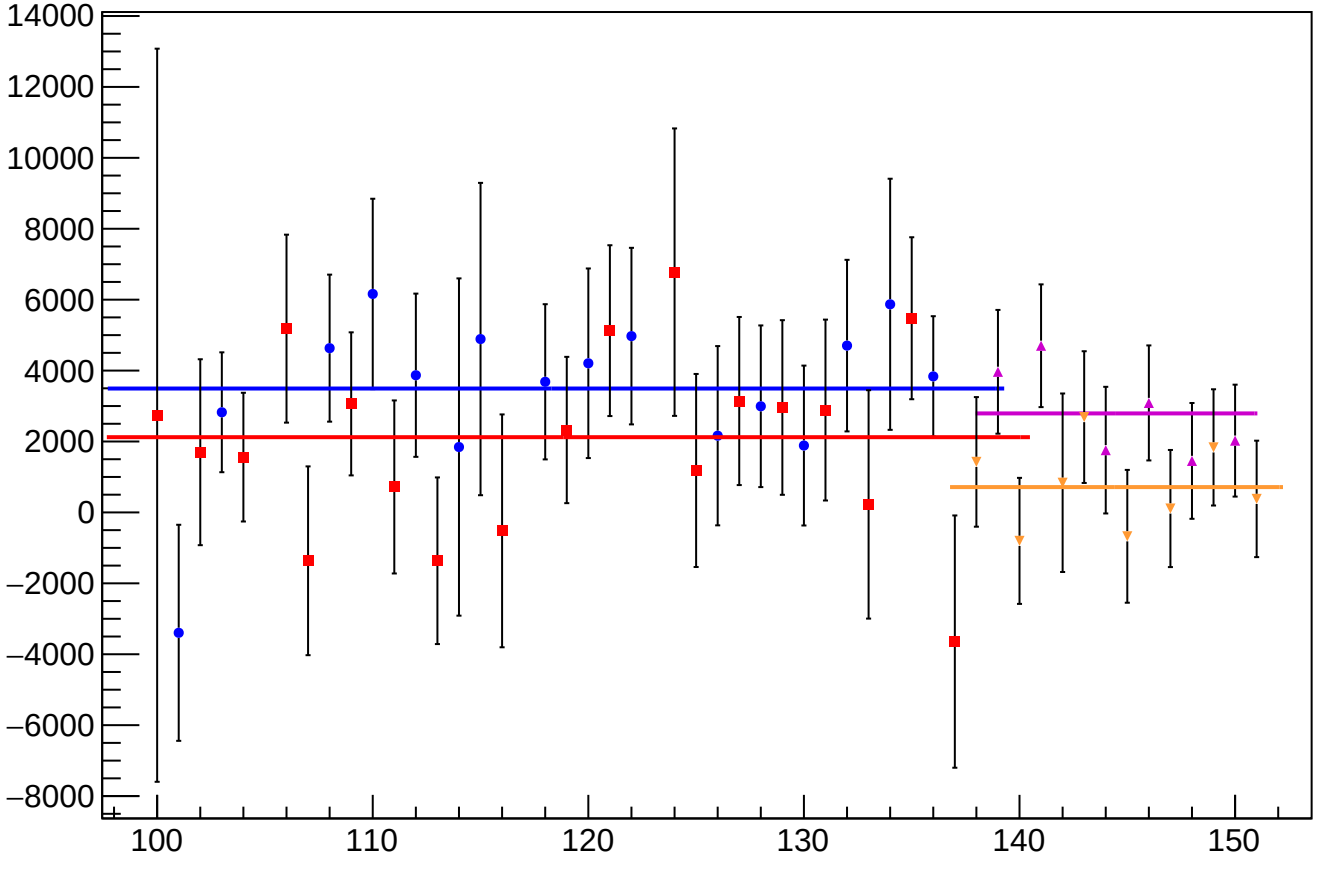
Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4608.465+/-0.943 χ^2/NDF:984501.7/21

Out: 4309.086+/-0.860 χ^2/NDF:1781027.0/26

All: 4445.004+/-0.635 χ^2/NDF: 2820546.0/48

cor_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 714.156+/-637.798 χ^2/NDF:3.2/7

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2792.066+/-684.836 χ^2/NDF:2.9/5

Left: 1679.306+/-466.735 χ^2/NDF: 11.1/13

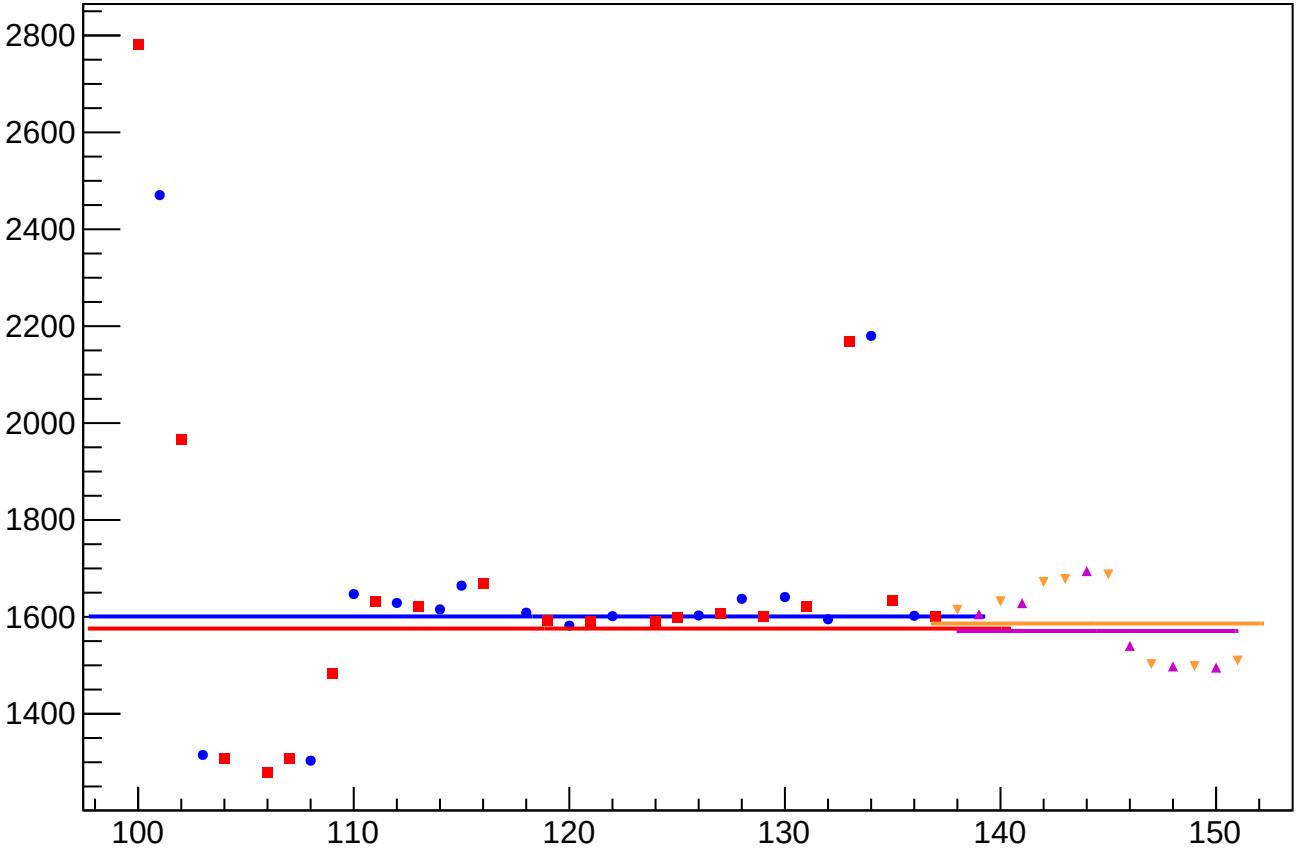
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3188.525+/-451.798 χ^2/NDF:12.4/21

Out: 1475.472+/-432.162 χ^2/NDF:20.9/26

All: 2293.962+/-312.296 χ^2/NDF: 40.8/48

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1586.331+/-0.451 χ^2/NDF:30104.2/7

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1570.864+/-0.484 χ^2/NDF:21879.3/5

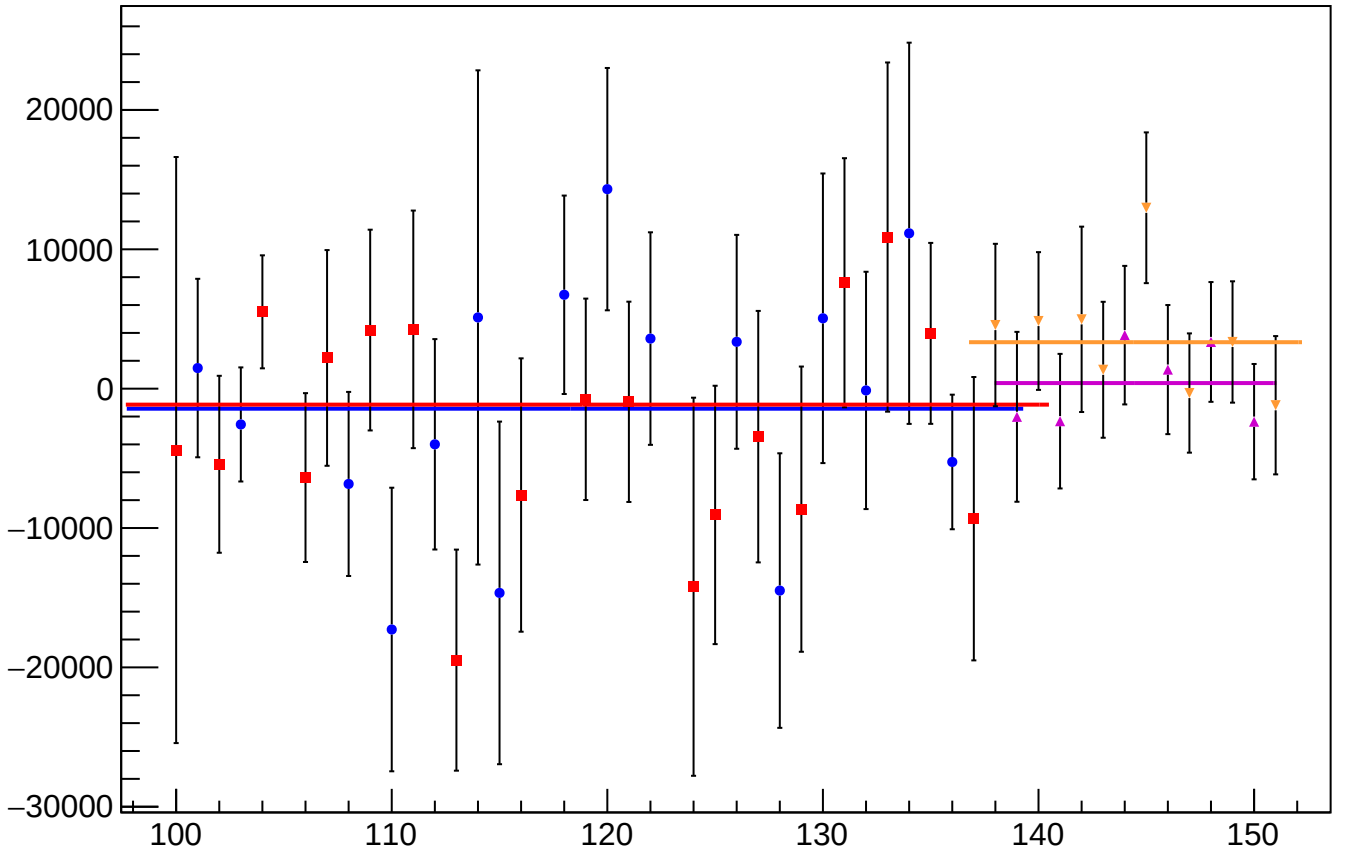
Left: 1579.147+/-0.330 χ^2/NDF: 52529.7/13

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1587.816+/-0.319 χ^2/NDF:341462.2/21

Out: 1580.669+/-0.305 χ^2/NDF:273726.5/26

All: 1584.076+/-0.221 χ^2/NDF: 615450.6/48



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 3334.348+/-1775.653 χ^2/NDF:5.1/7

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 401.526+/-1926.632 χ^2/NDF:1.9/5

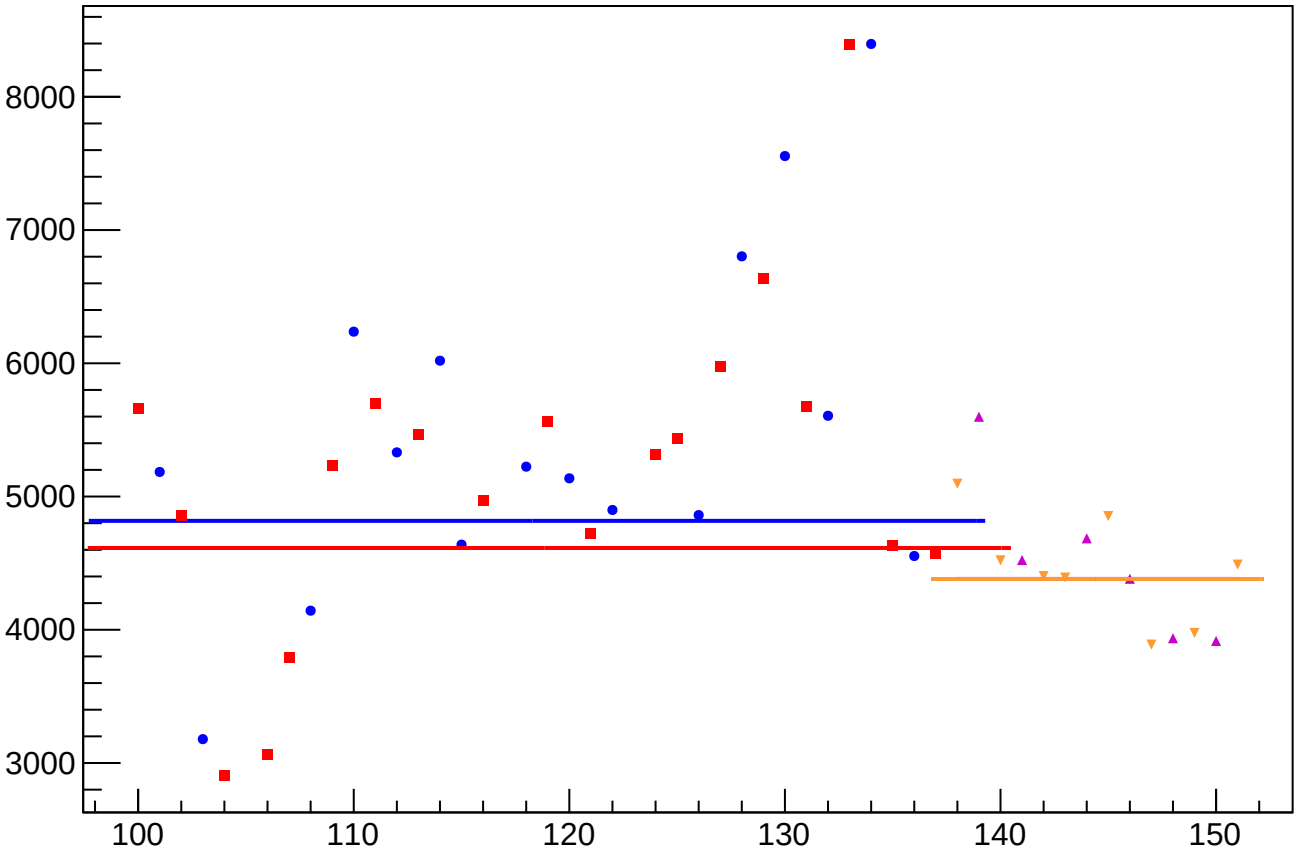
Left: 1987.339+/-1305.693 χ^2/NDF: 8.3/13

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -556.048+/-1333.787 χ^2/NDF:16.2/21

Out: 1081.094+/-1251.930 χ^2/NDF:24.6/26

All: 314.299+/-912.816 χ^2/NDF: 41.6/48



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4380.984+/-1.256 χ^2/NDF:91689.9/7

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4381.501+/-1.362 χ^2/NDF:135772.3/5

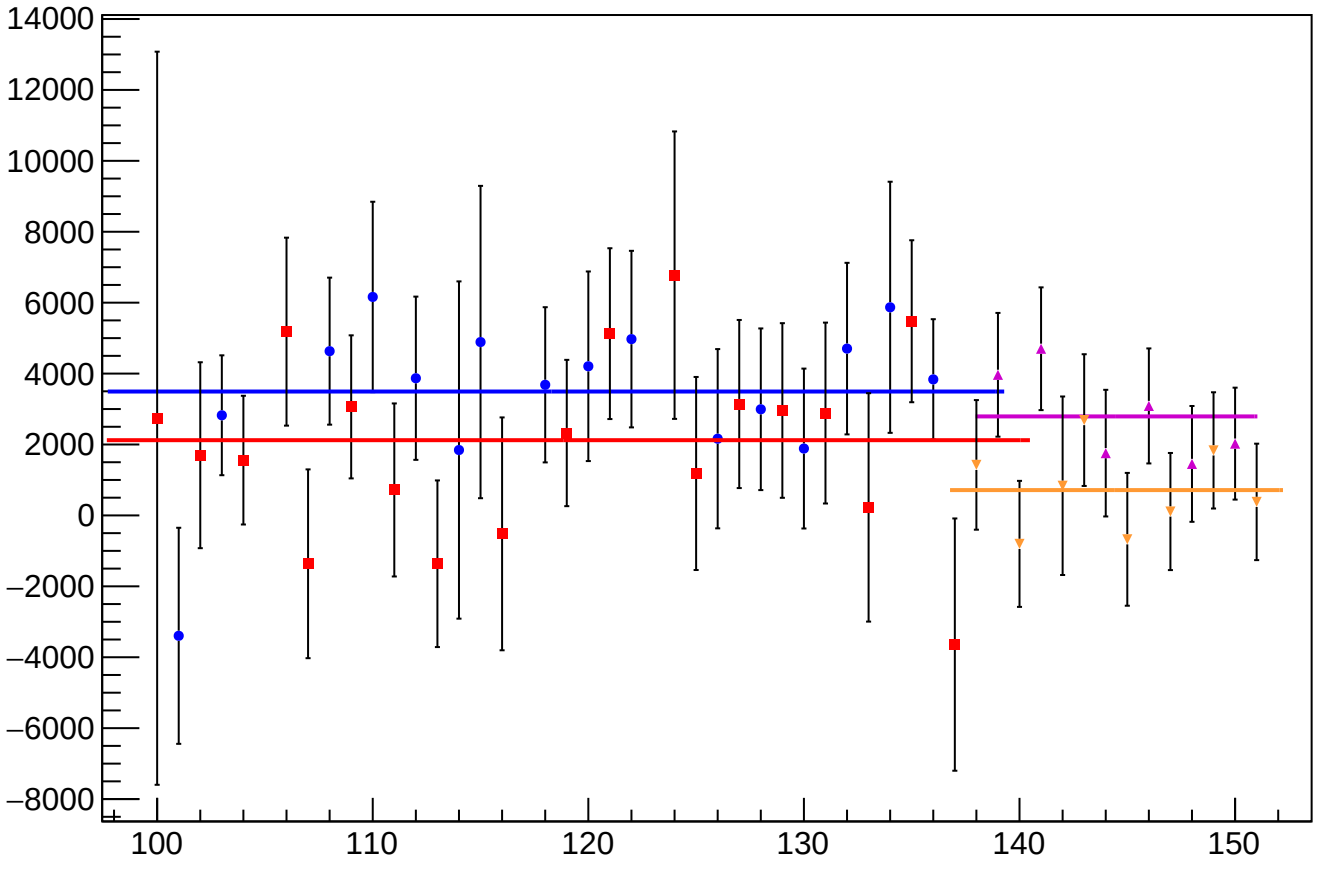
Left: 4381.222+/-0.923 χ^2/NDF: 227462.2/13

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4608.530+/-0.943 χ^2/NDF:984336.6/21

Out: 4498.093+/-0.885 χ^2/NDF:1086946.6/26

All: 4549.819+/-0.645 χ^2/NDF: 2078572.7/48



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 714.156+/-637.798 χ^2/NDF:3.2/7

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2792.066+/-684.836 χ^2/NDF:2.9/5

Left: 1679.306+/-466.735 χ^2/NDF: 11.1/13

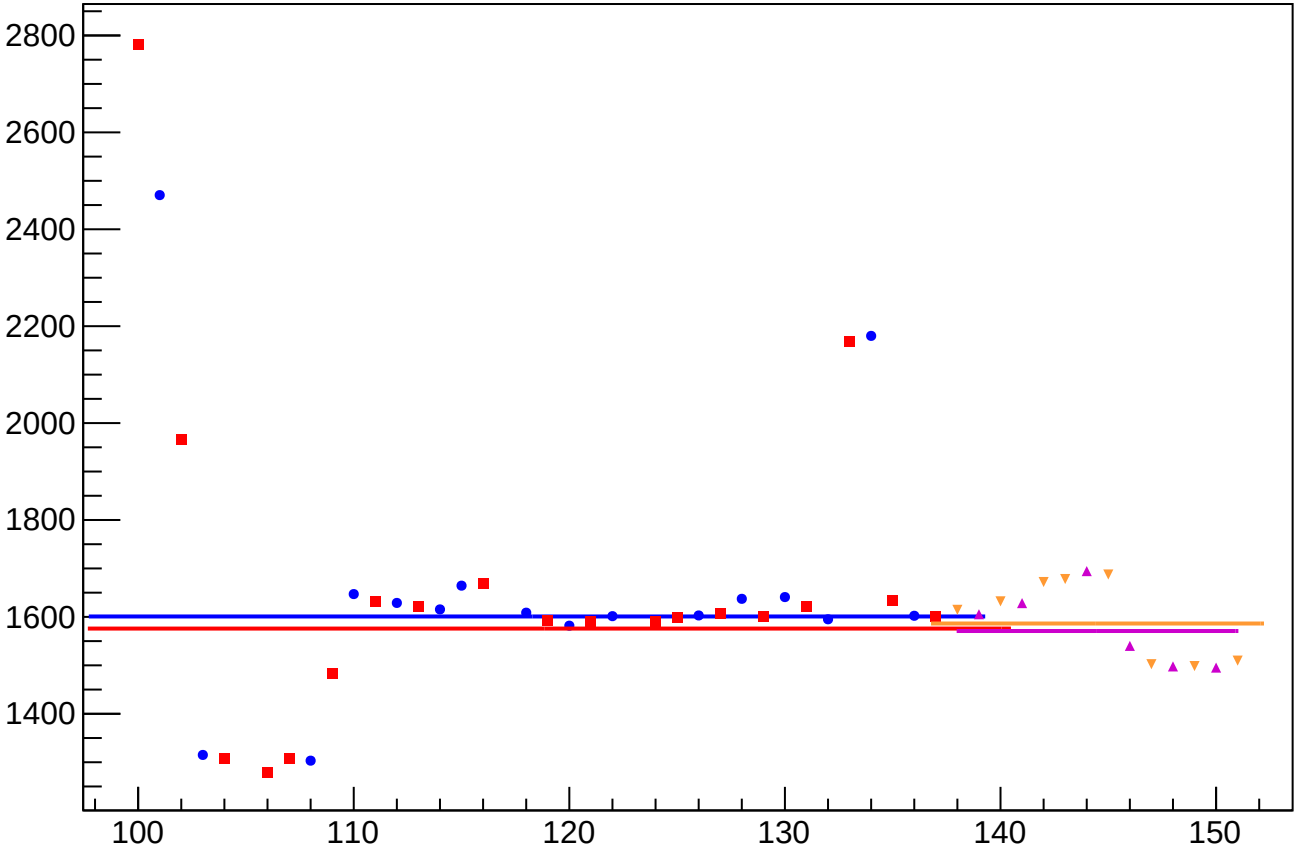
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3188.525+/-451.798 χ^2/NDF:12.4/21

Out: 1475.472+/-432.162 χ^2/NDF:20.9/26

All: 2293.962+/-312.296 χ^2/NDF: 40.8/48

eigen_cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1586.331+/-0.451 χ^2/NDF:30104.2/7

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1570.864+/-0.484 χ^2/NDF:21879.3/5

Left: 1579.147+/-0.330 χ^2/NDF: 52529.7/13

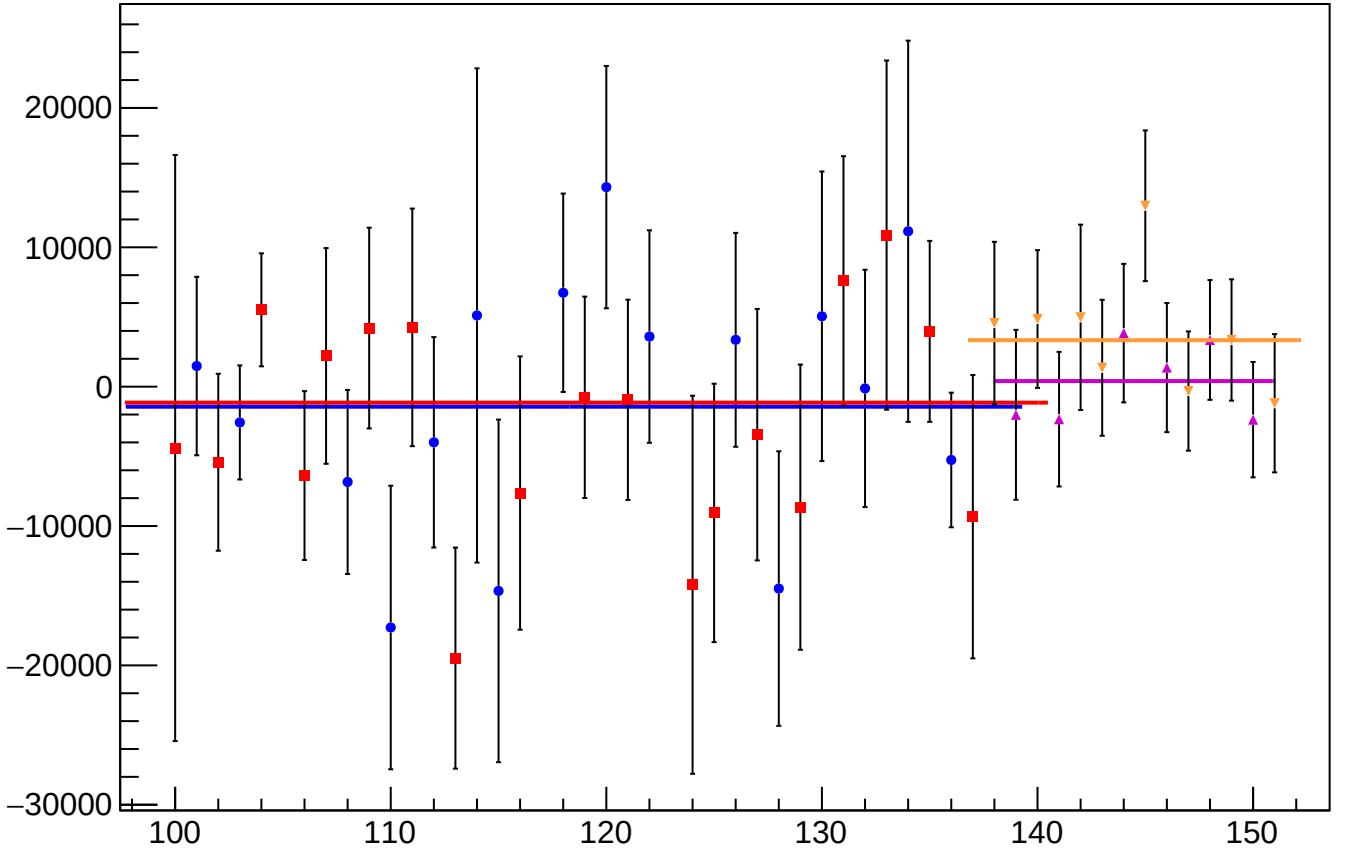
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1587.816+/-0.319 χ^2/NDF:341462.2/21

Out: 1580.669+/-0.305 χ^2/NDF:273726.5/26

All: 1584.076+/-0.221 χ^2/NDF: 615450.6/48

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: 3334.348+/-1775.653 χ^2/NDF:5.1/7

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 401.526+/-1926.632 χ^2/NDF:1.9/5

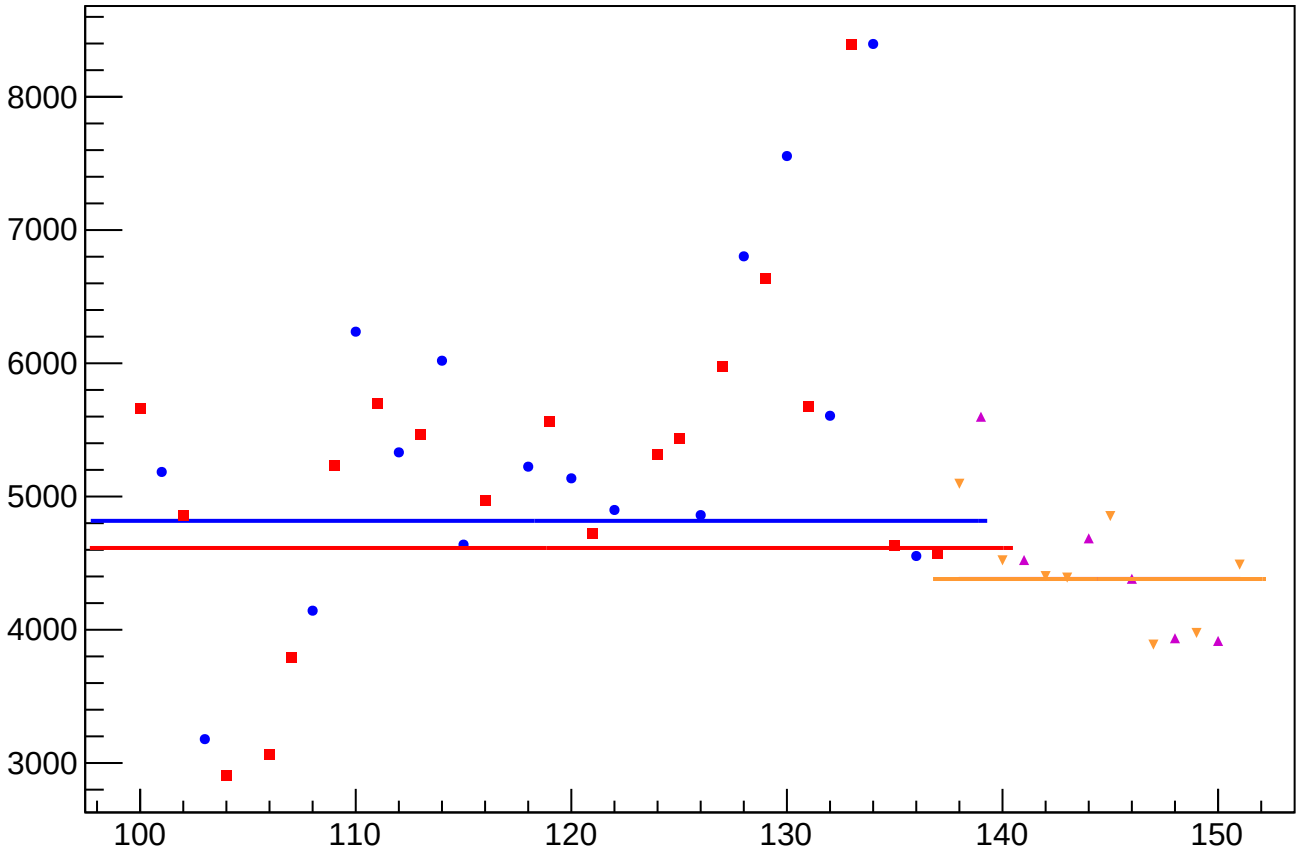
Left: 1987.339+/-1305.693 χ^2/NDF: 8.3/13

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -556.048+/-1333.787 χ^2/NDF:16.2/21

Out: 1081.094+/-1251.930 χ^2/NDF:24.6/26

All: 314.299+/-912.816 χ^2/NDF: 41.6/48



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4380.984+/-1.256 χ^2/NDF:91689.9/7

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4381.501+/-1.362 χ^2/NDF:135772.3/5

Left: 4381.222+/-0.923 χ^2/NDF: 227462.2/13

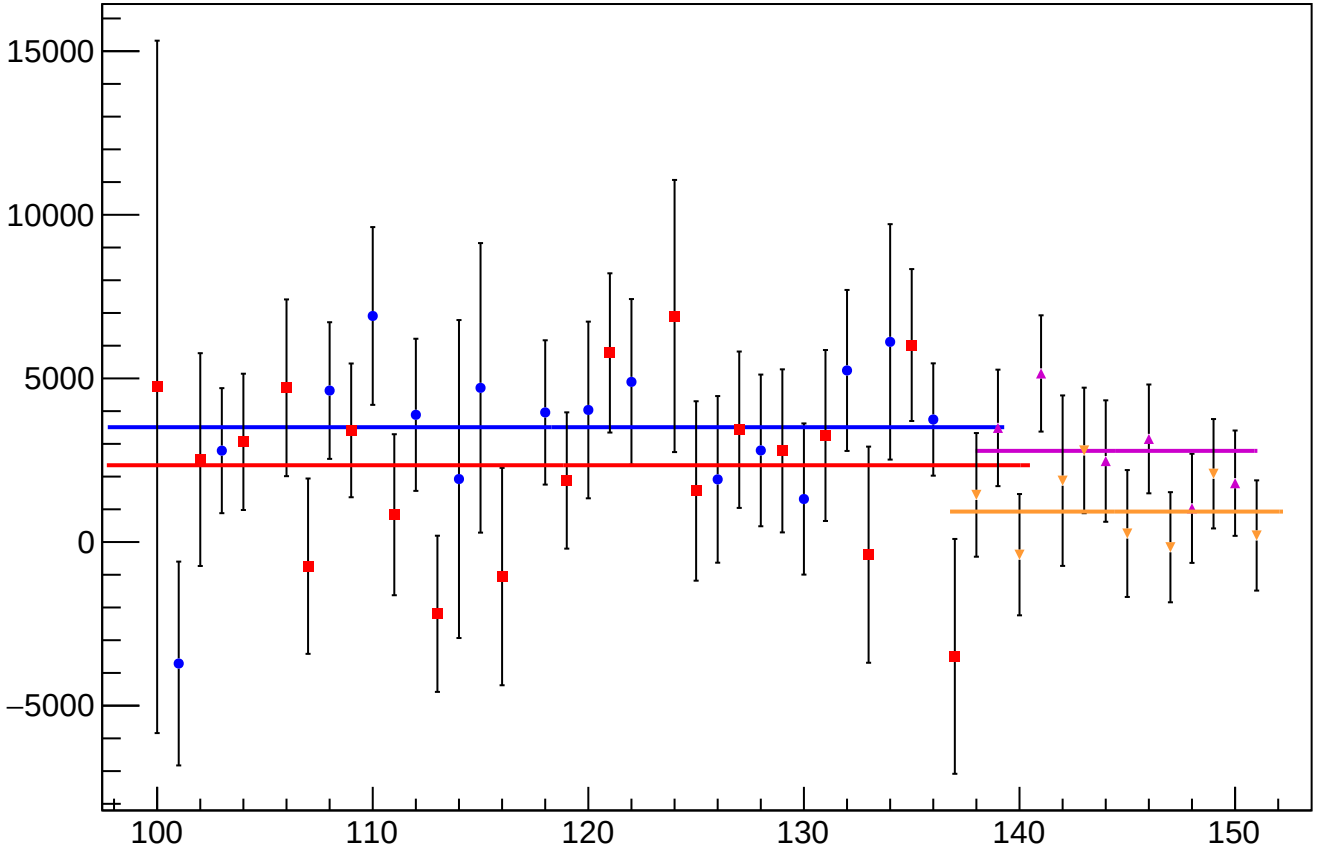
Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4608.530+/-0.943 χ^2/NDF:984336.6/21

Out: 4498.093+/-0.885 χ^2/NDF:1086946.6/26

All: 4549.819+/-0.645 χ^2/NDF: 2078572.7/48

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 930.770+/-656.553 χ^2/NDF:2.9/7

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2786.103+/-701.855 χ^2/NDF:3.5/5

Left: 1796.630+/-479.469 χ^2/NDF: 10.1/13

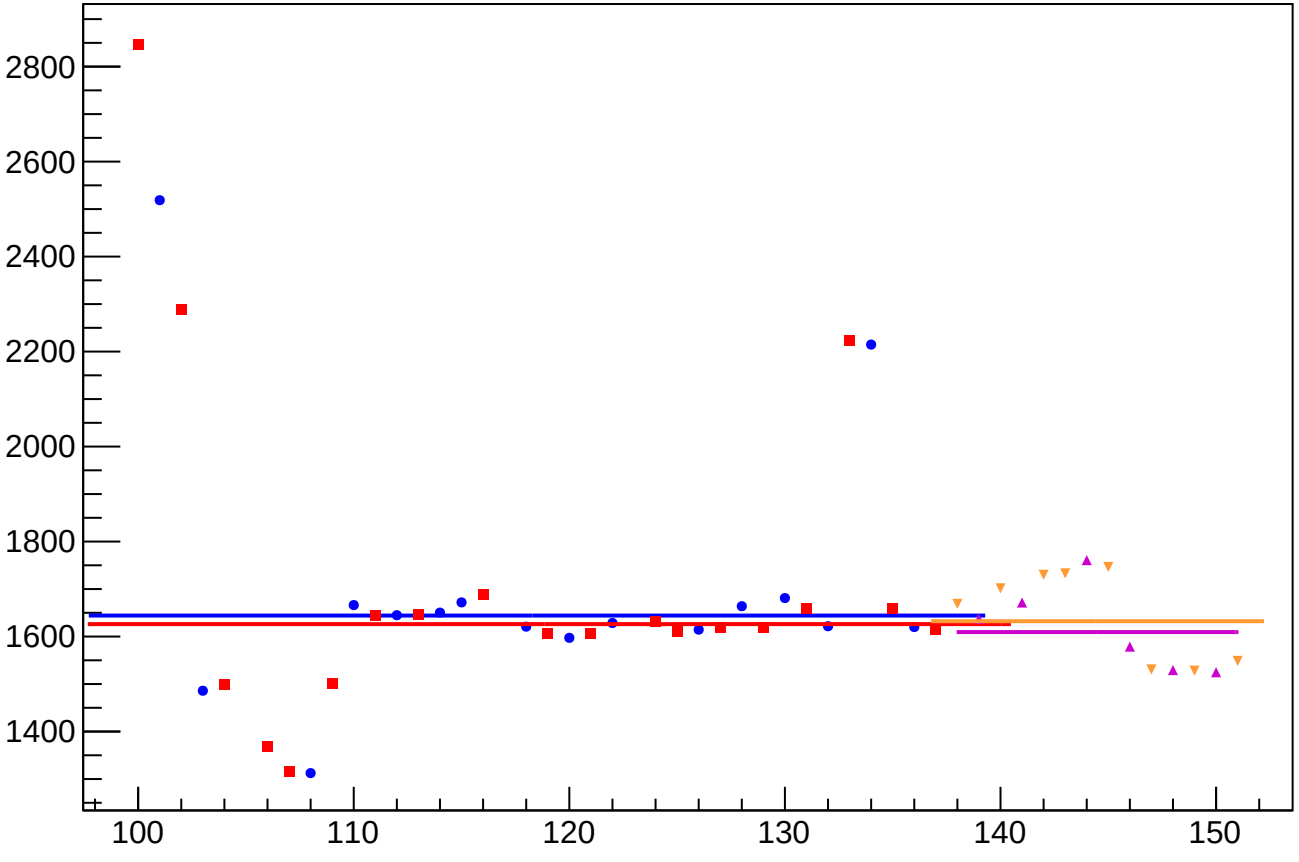
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3194.316+/-463.281 χ^2/NDF:14.5/21

Out: 1693.682+/-445.902 χ^2/NDF:22.5/26

All: 2415.326+/-321.269 χ^2/NDF: 42.4/48

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1632.290+/-0.464 χ^2/NDF:38762.1/7

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1609.417+/-0.496 χ^2/NDF:27071.9/5

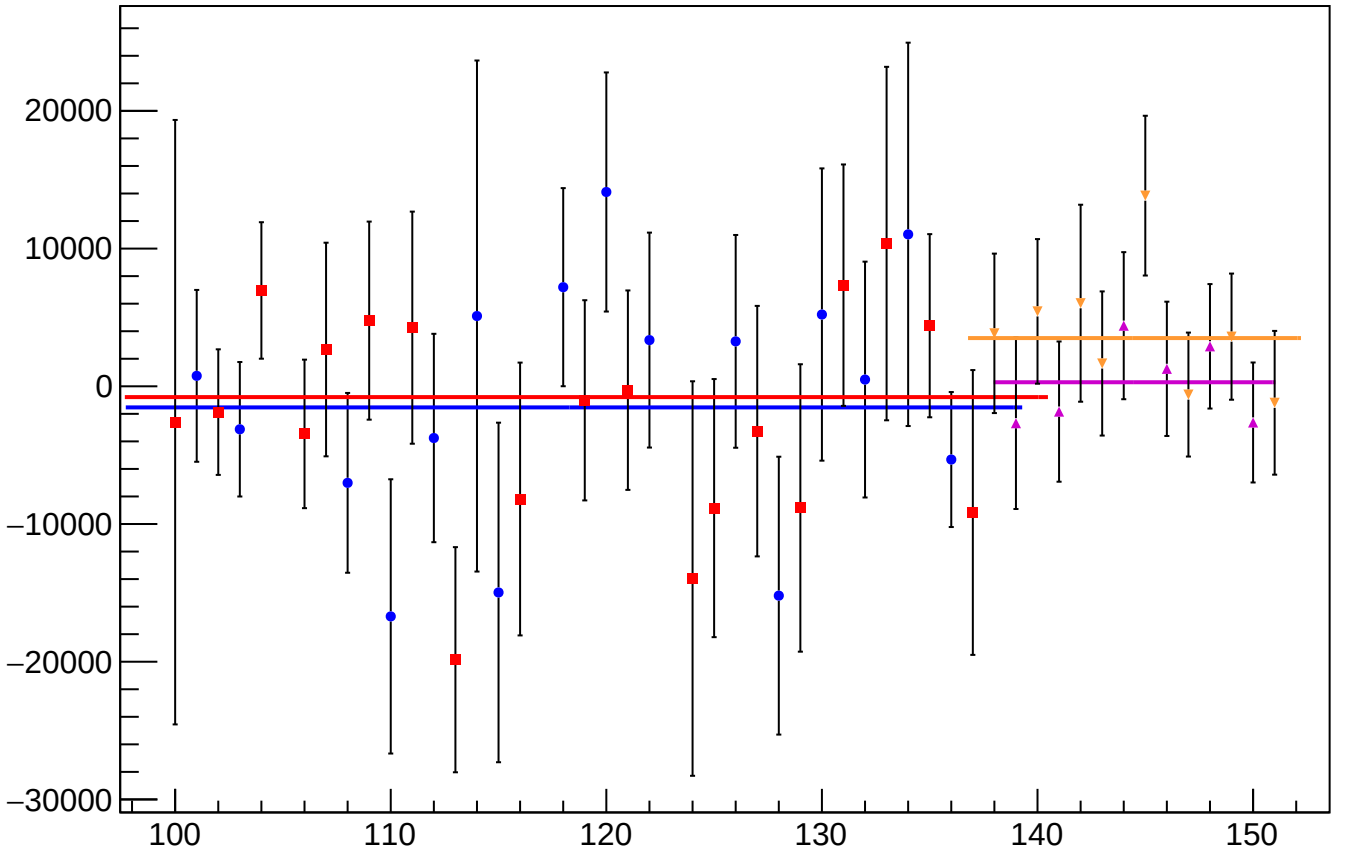
Left: 1621.616+/-0.339 χ^2/NDF: 66966.8/13

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1629.044+/-0.328 χ^2/NDF:304661.4/21

Out: 1628.993+/-0.315 χ^2/NDF:276494.8/26

All: 1629.017+/-0.227 χ^2/NDF: 581156.2/48



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 3502.118+/-1871.157 χ^2/NDF:5.2/7

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 294.378+/-2028.086 χ^2/NDF:1.8/5

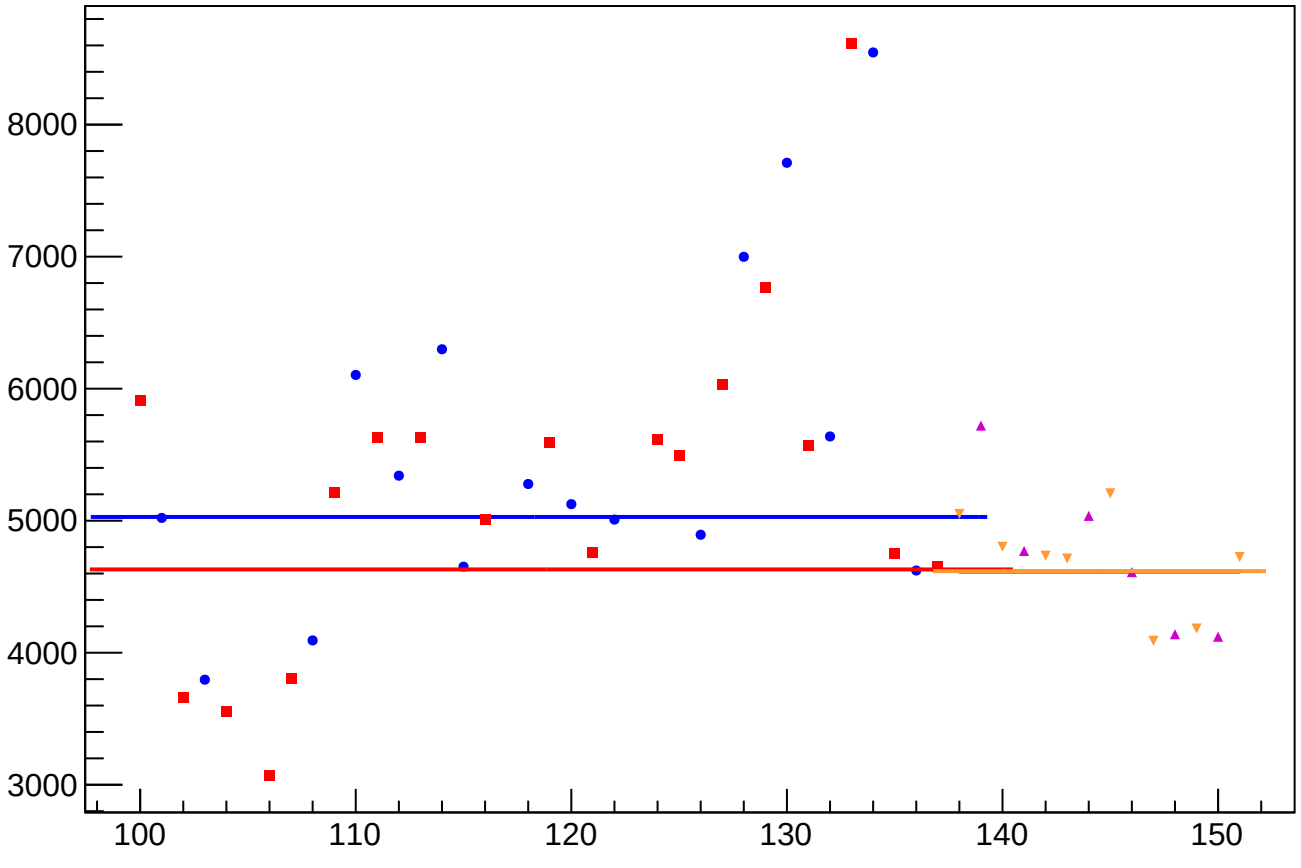
Left: 2027.138+/-1375.244 χ^2/NDF: 8.4/13

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -671.777+/-1391.910 χ^2/NDF:16.1/21

Out: 1213.940+/-1277.565 χ^2/NDF:23.1/26

All: 351.707+/-941.207 χ^2/NDF: 40.2/48



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4618.056+/-1.323 χ^2/NDF:81833.5/7

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 4614.365+/-1.434 χ^2/NDF:125021.4/5

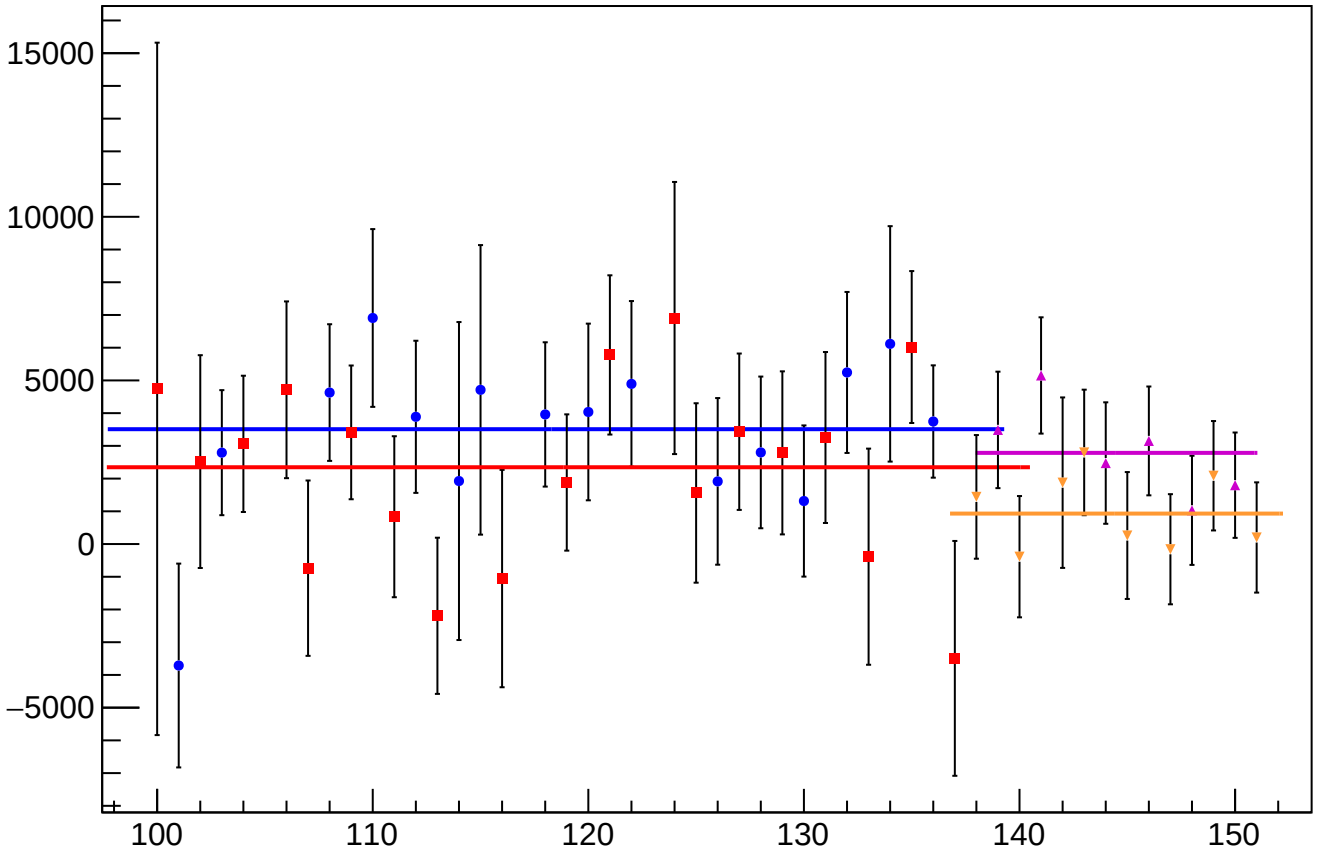
Left: 4616.359+/-0.972 χ^2/NDF: 206858.5/13

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 4833.402+/-0.984 χ^2/NDF:734593.5/21

Out: 4624.913+/-0.903 χ^2/NDF:945398.8/26

All: 4720.244+/-0.666 χ^2/NDF: 1704346.8/48



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 930.769+/-656.553 χ^2/NDF:2.9/7

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2786.099+/-701.856 χ^2/NDF:3.5/5

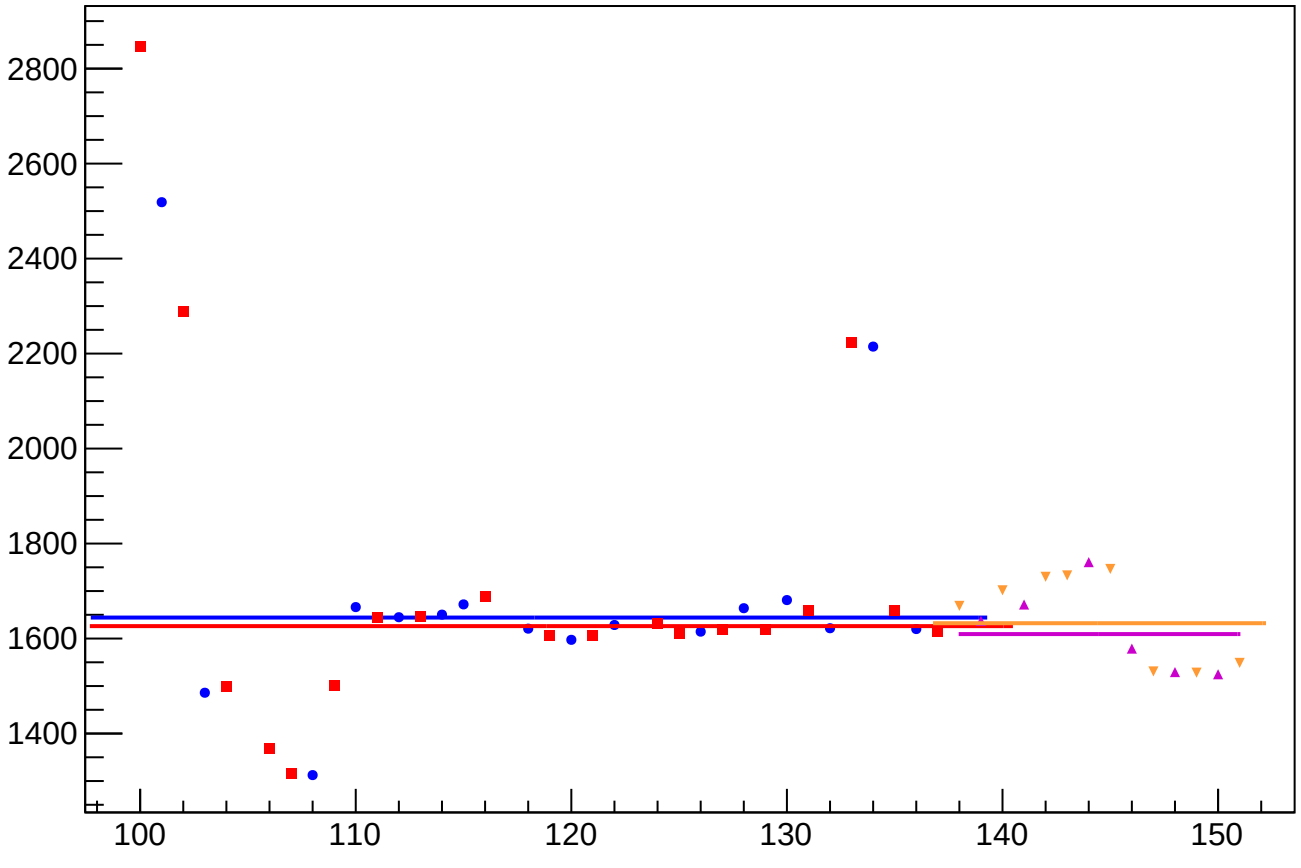
Left: 1796.628+/-479.470 χ^2/NDF: 10.1/13

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

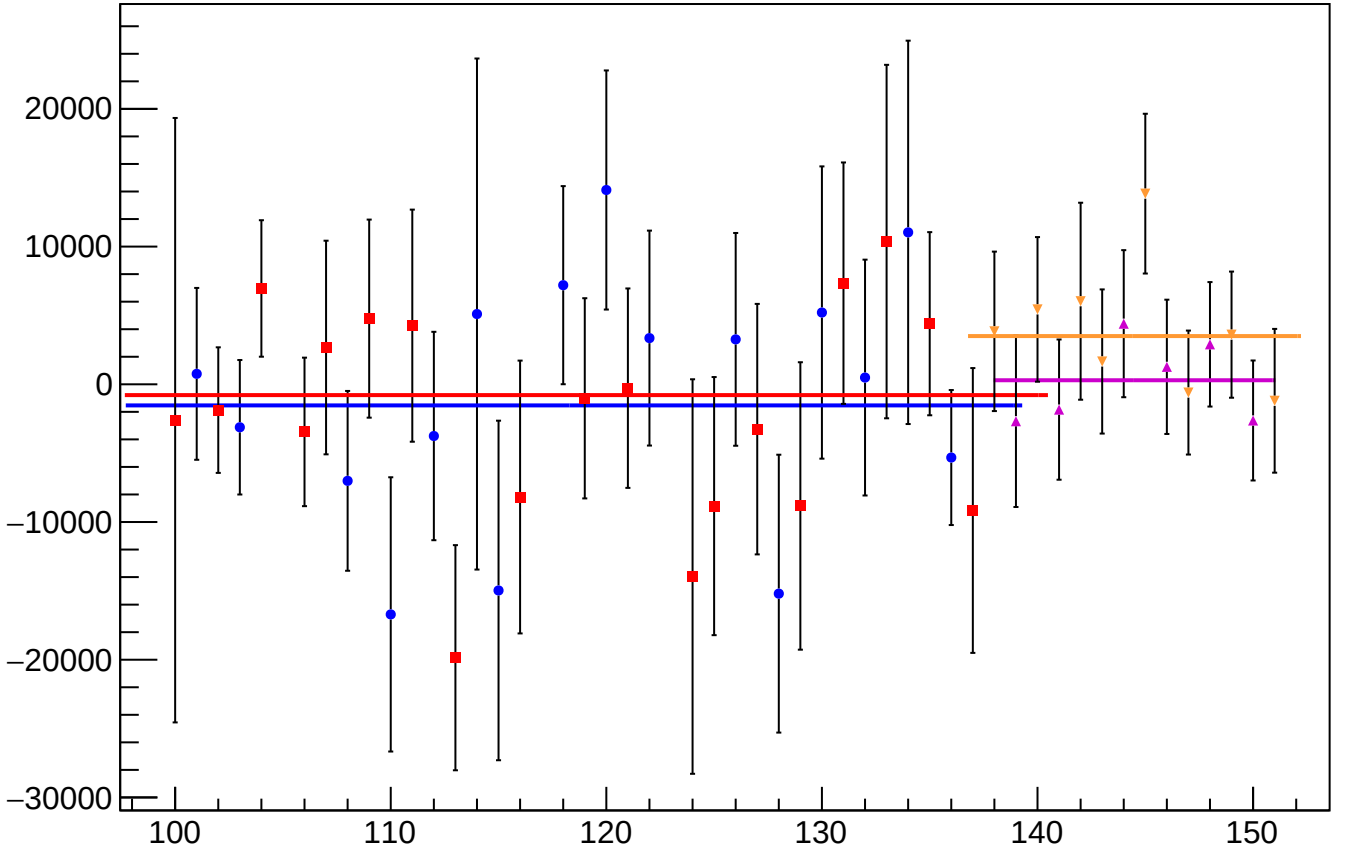
In: 3194.316+/-463.281 χ^2/NDF:14.5/21

Out: 1693.686+/-445.903 χ^2/NDF:22.5/26

All: 2415.328+/-321.269 χ^2/NDF: 42.4/48


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1632.291+/-0.464 χ²/NDF:38762.2/7
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1609.418+/-0.496 χ²/NDF:27071.8/5
Left: 1621.617+/-0.339 χ²/NDF: 66966.9/13
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1629.044+/-0.328 χ²/NDF:304661.2/21
Out: 1628.993+/-0.315 χ²/NDF:276494.6/26
All: 1629.017+/-0.227 χ²/NDF: 581155.9/48

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: 3502.118+/-1871.159 χ^2/NDF:5.2/7

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 294.374+/-2028.089 χ^2/NDF:1.8/5

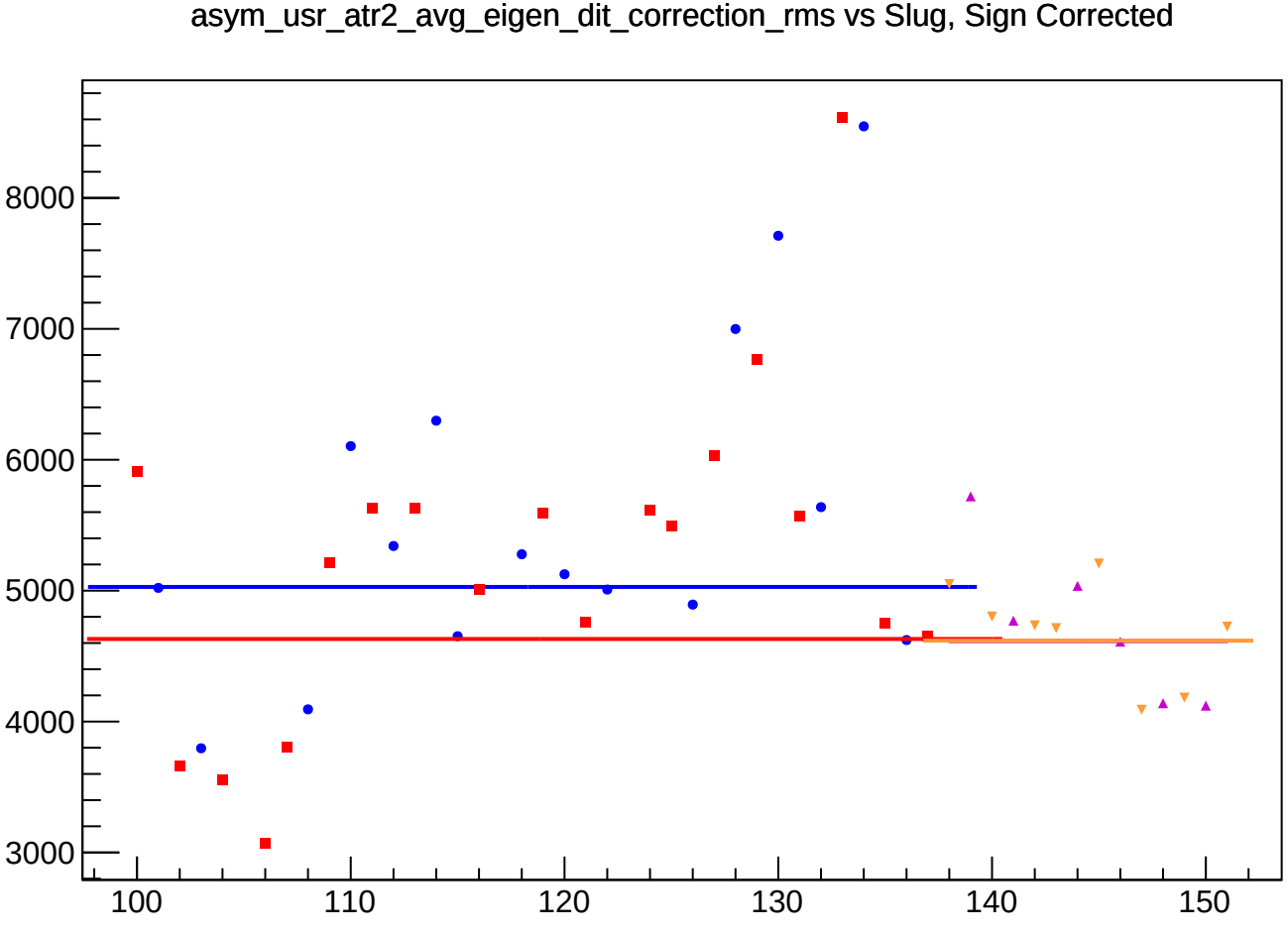
Left: 2027.137+/-1375.246 χ^2/NDF: 8.4/13

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -671.774+/-1391.910 χ^2/NDF:16.1/21

Out: 1213.933+/-1277.565 χ^2/NDF:23.1/26

All: 351.705+/-941.207 χ^2/NDF: 40.2/48



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4618.063+/-1.323 χ^2/NDF:81833.7/7

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 4614.372+/-1.434 χ^2/NDF:125021.4/5

Left: 4616.366+/-0.972 χ^2/NDF: 206858.7/13

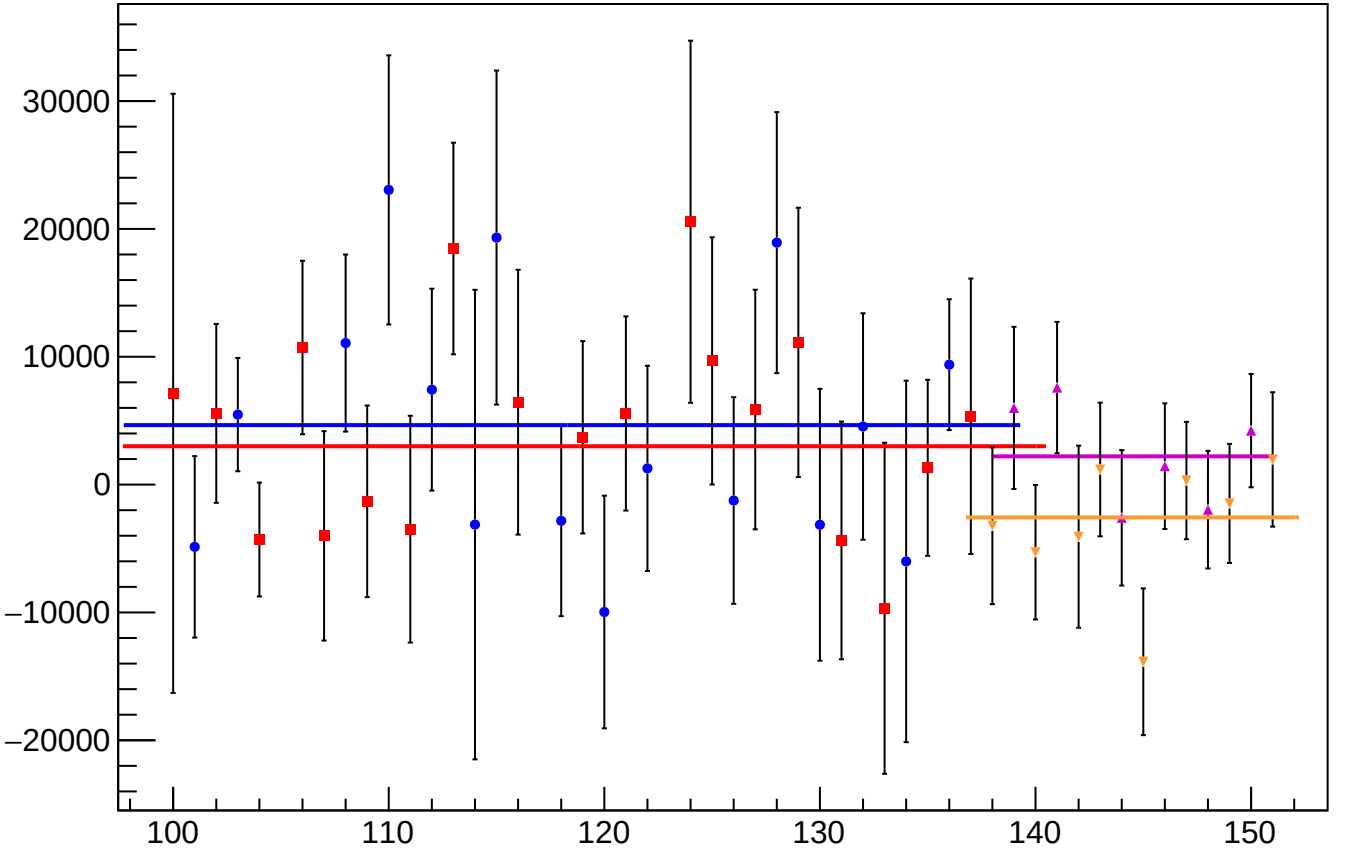
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 4833.403+/-0.984 χ^2/NDF:734584.4/21

Out: 4624.913+/-0.903 χ^2/NDF:945392.9/26

All: 4720.244+/-0.666 χ^2/NDF: 1704331.9/48

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -2565.445+/-1892.293 χ^2/NDF:5.9/7

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2210.466+/-2049.985 χ^2/NDF:3.3/5

Left: -368.222+/-1390.463 χ^2/NDF: 12.2/13

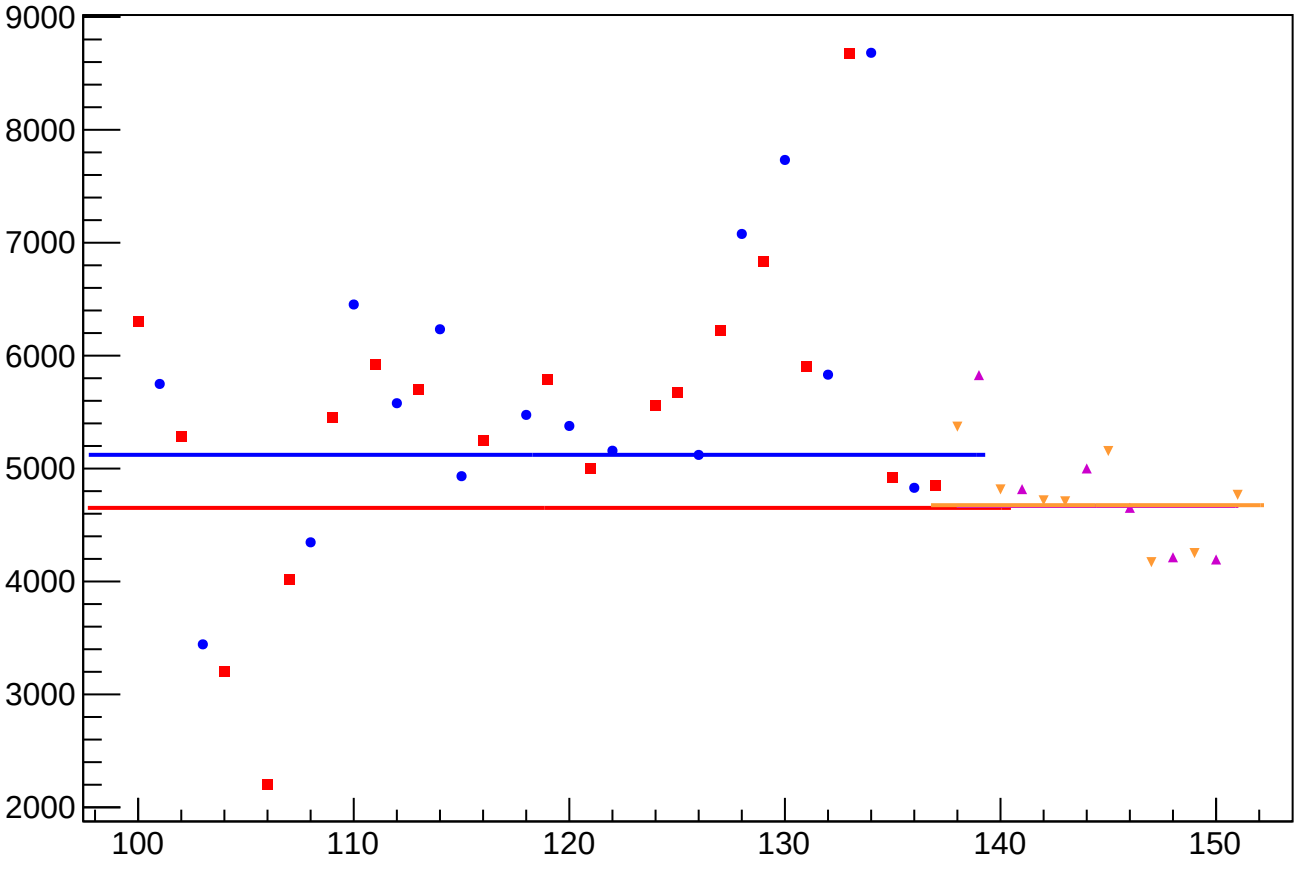
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3487.523+/-1416.105 χ^2/NDF:19.6/21

Out: 231.734+/-1334.692 χ^2/NDF:24.1/26

All: 1763.354+/-971.276 χ^2/NDF: 46.5/48

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4675.661+/-1.338 χ^2/NDF:82659.9/7

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 4668.978+/-1.450 χ^2/NDF:118724.6/5

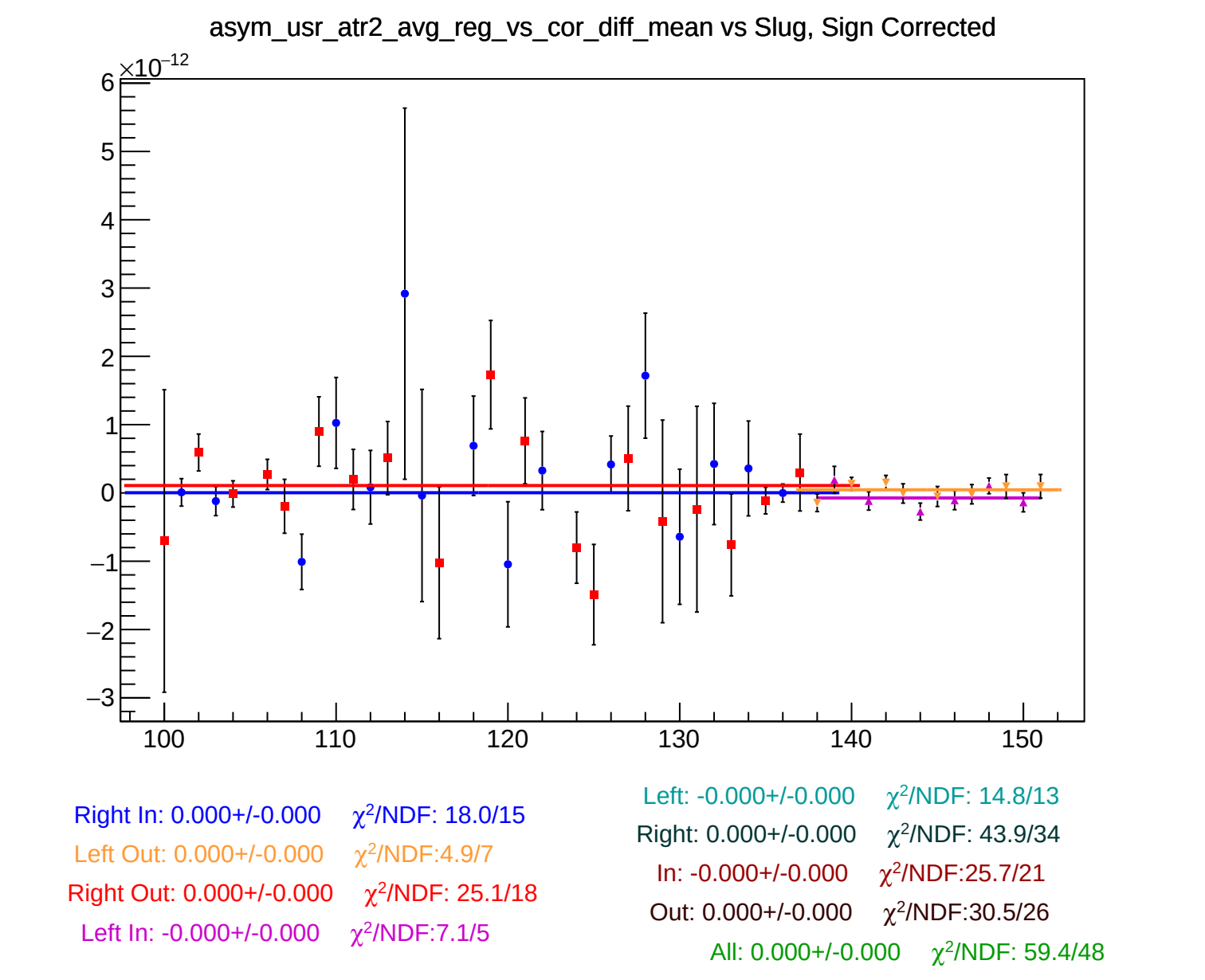
Left: 4672.586+/-0.983 χ^2/NDF: 201396.0/13

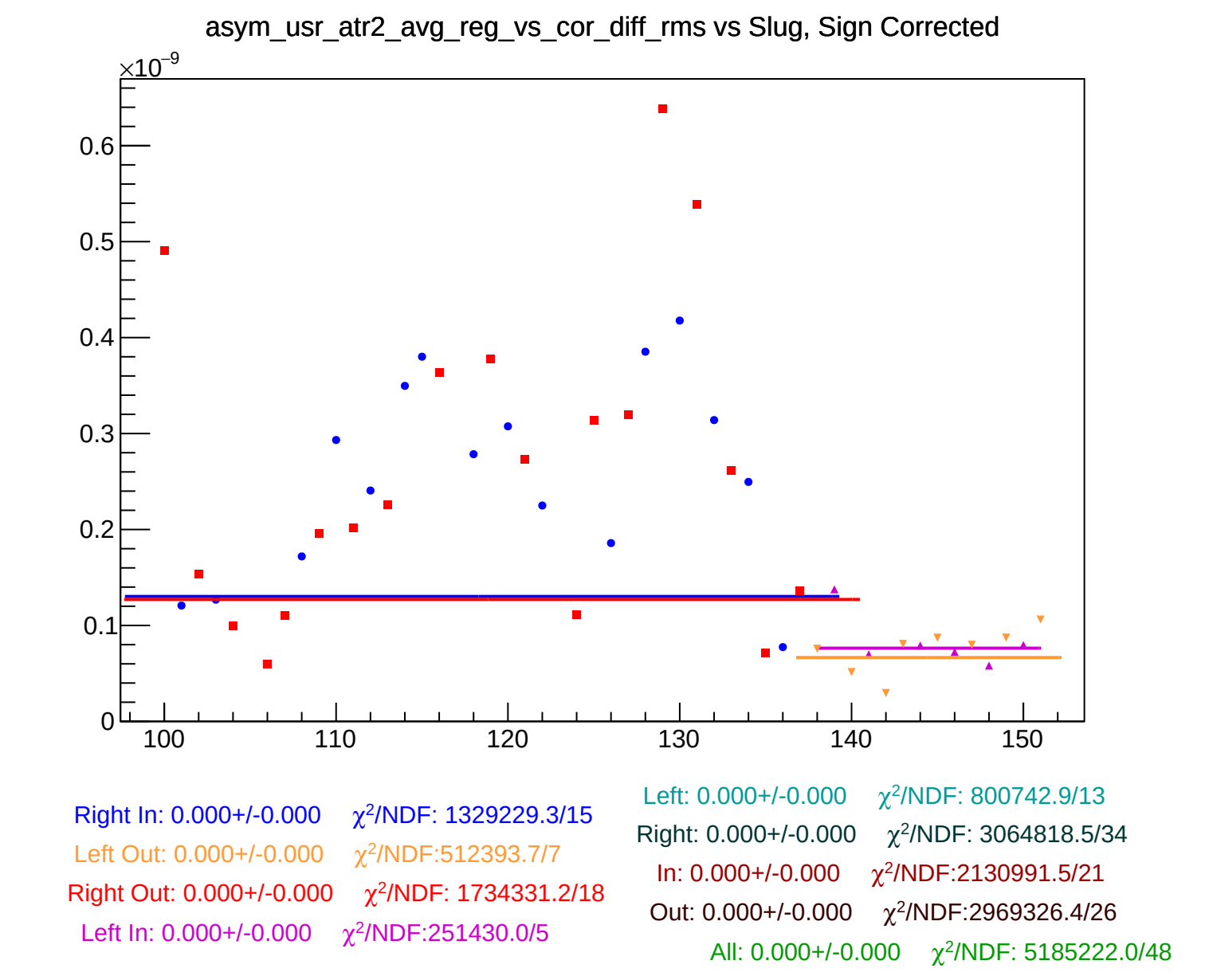
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

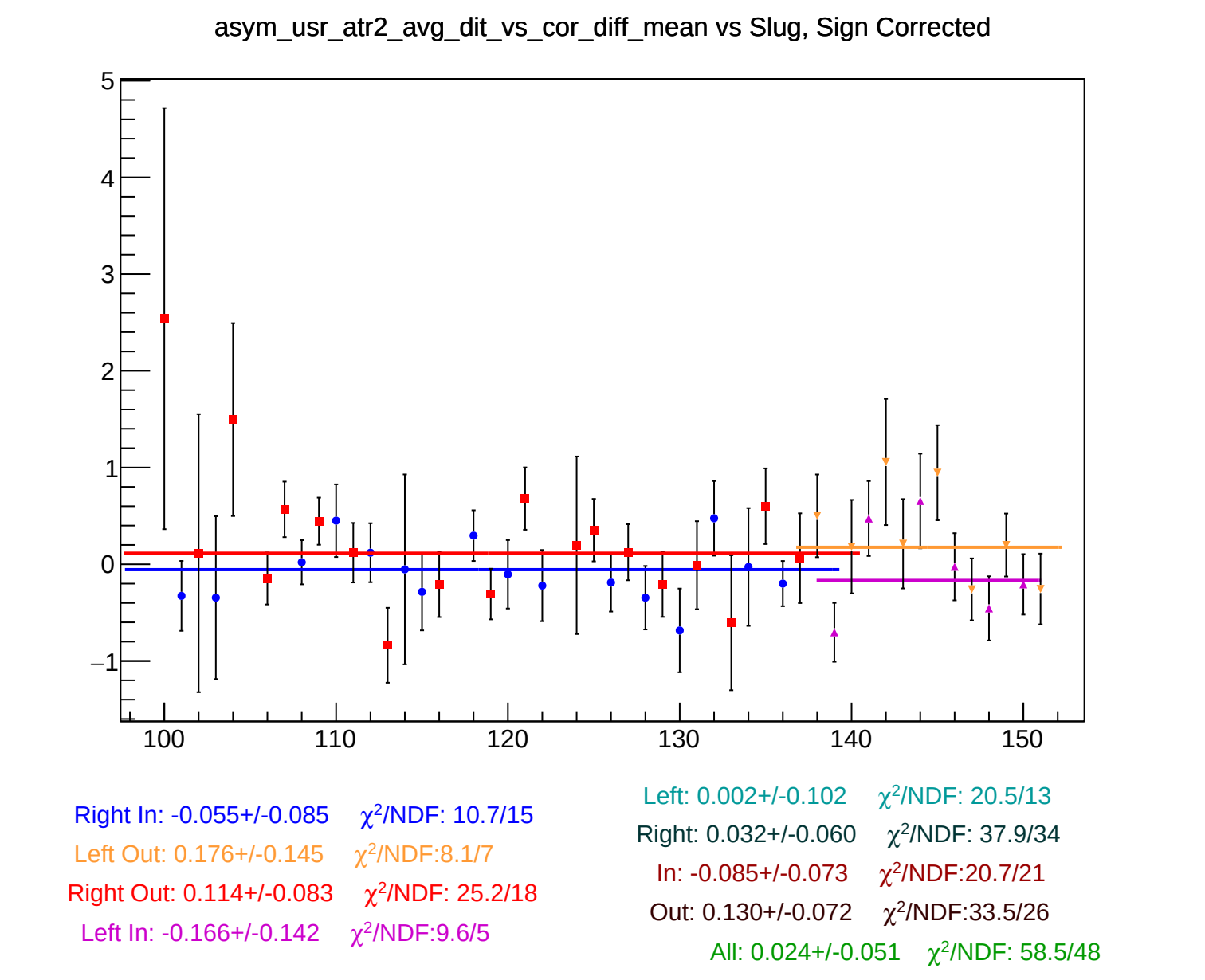
In: 4905.637+/-1.001 χ^2/NDF:890078.2/21

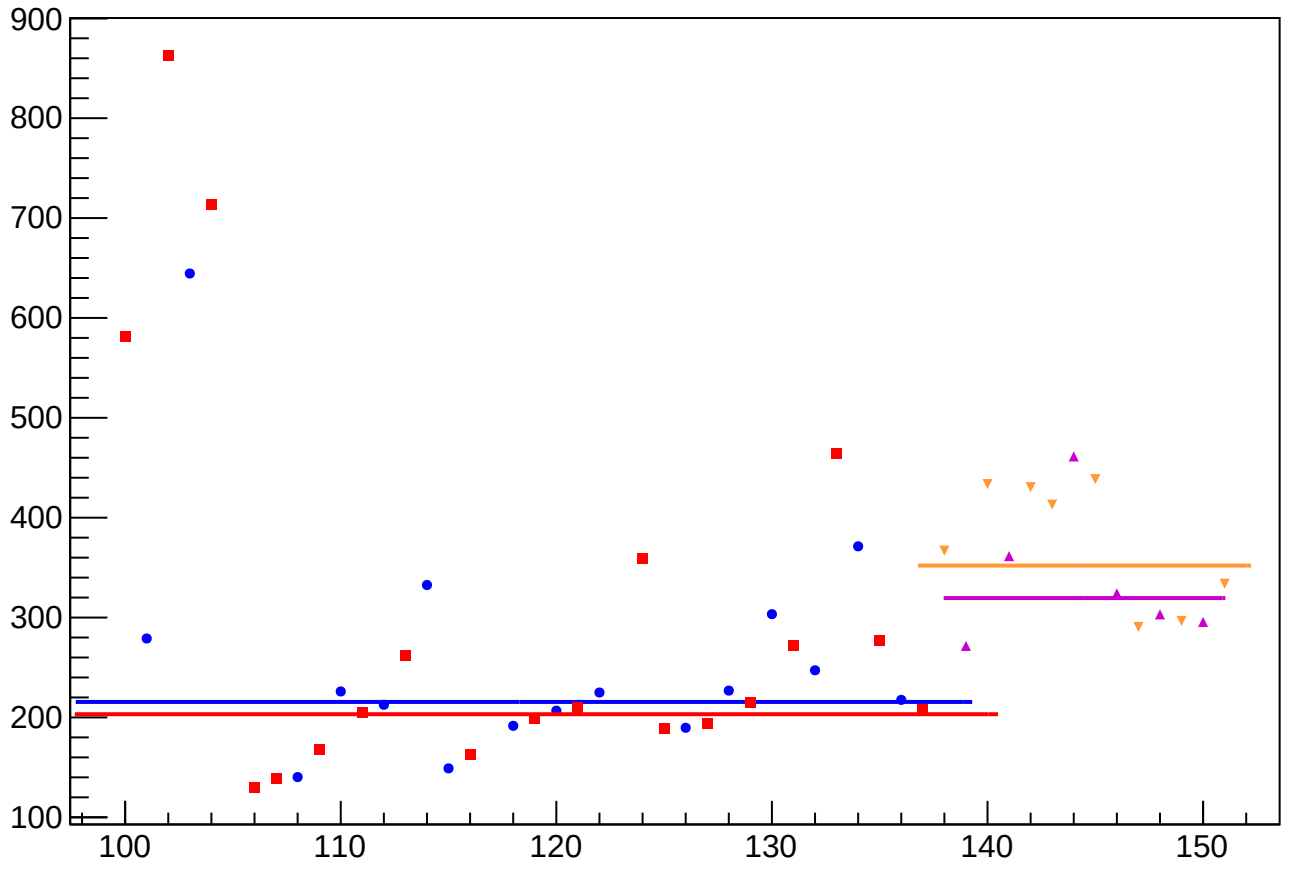
Out: 4663.167+/-0.925 χ^2/NDF:1427694.9/26

All: 4774.818+/-0.679 χ^2/NDF: 2349408.1/48


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:7.1/5
Left: -0.000+/-0.000 χ²/NDF: 14.8/13
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:25.7/21
Out: 0.000+/-0.000 χ²/NDF:30.5/26
All: 0.000+/-0.000 χ²/NDF: 59.4/48


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:512393.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:251430.0/5
Left: 0.000+/-0.000 χ²/NDF: 800742.9/13
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2130991.5/21
Out: 0.000+/-0.000 χ²/NDF:2969326.4/26
All: 0.000+/-0.000 χ²/NDF: 5185222.0/48


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.176+/-0.145 χ²/NDF:8.1/7
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.166+/-0.142 χ²/NDF:9.6/5
Left: 0.002+/-0.102 χ²/NDF: 20.5/13
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.085+/-0.073 χ²/NDF:20.7/21
Out: 0.130+/-0.072 χ²/NDF:33.5/26
All: 0.024+/-0.051 χ²/NDF: 58.5/48



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 352.059+/-0.102 χ^2/NDF:322438.5/7

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 319.519+/-0.101 χ^2/NDF:257791.1/5

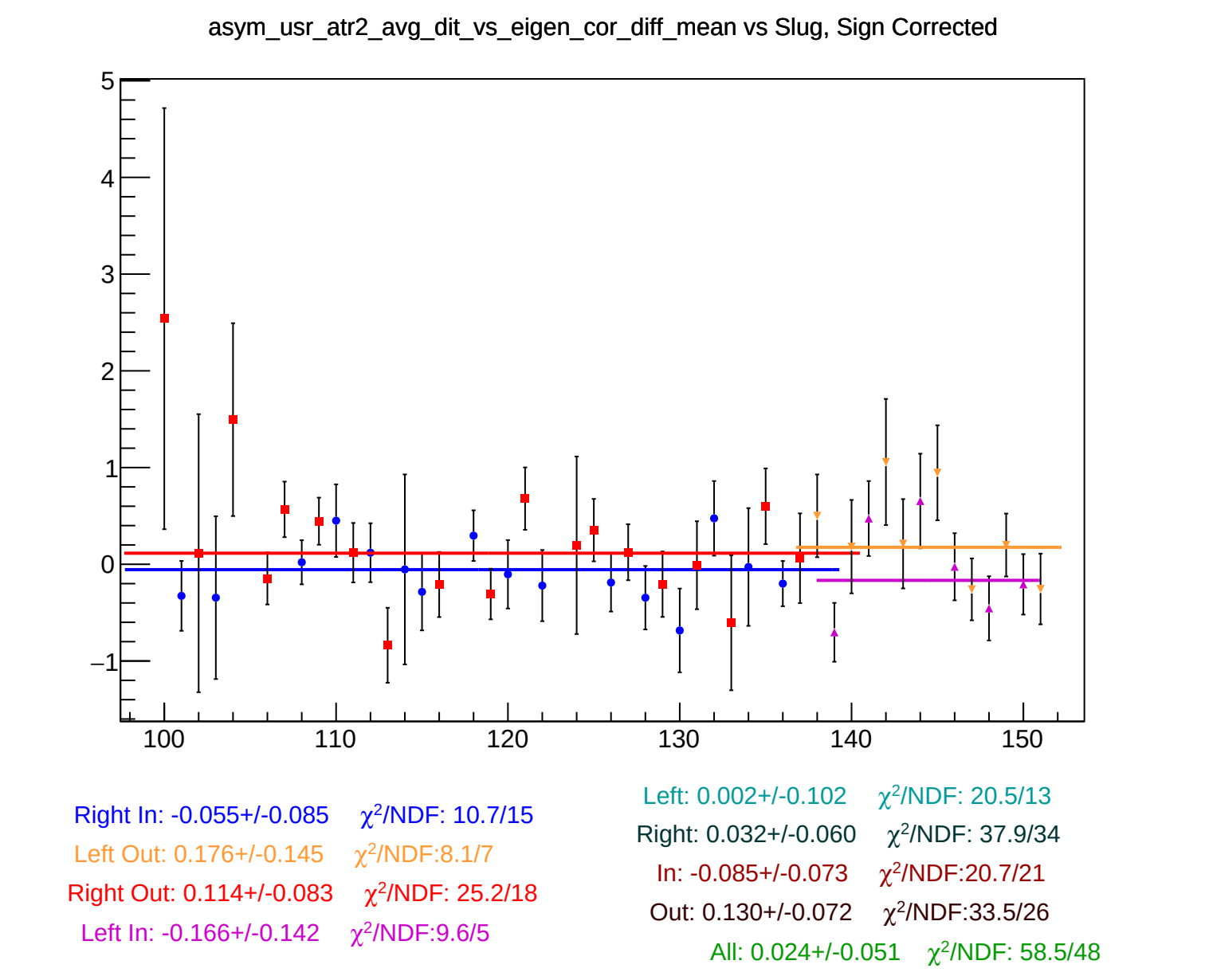
Left: 335.520+/-0.072 χ^2/NDF: 631519.4/13

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

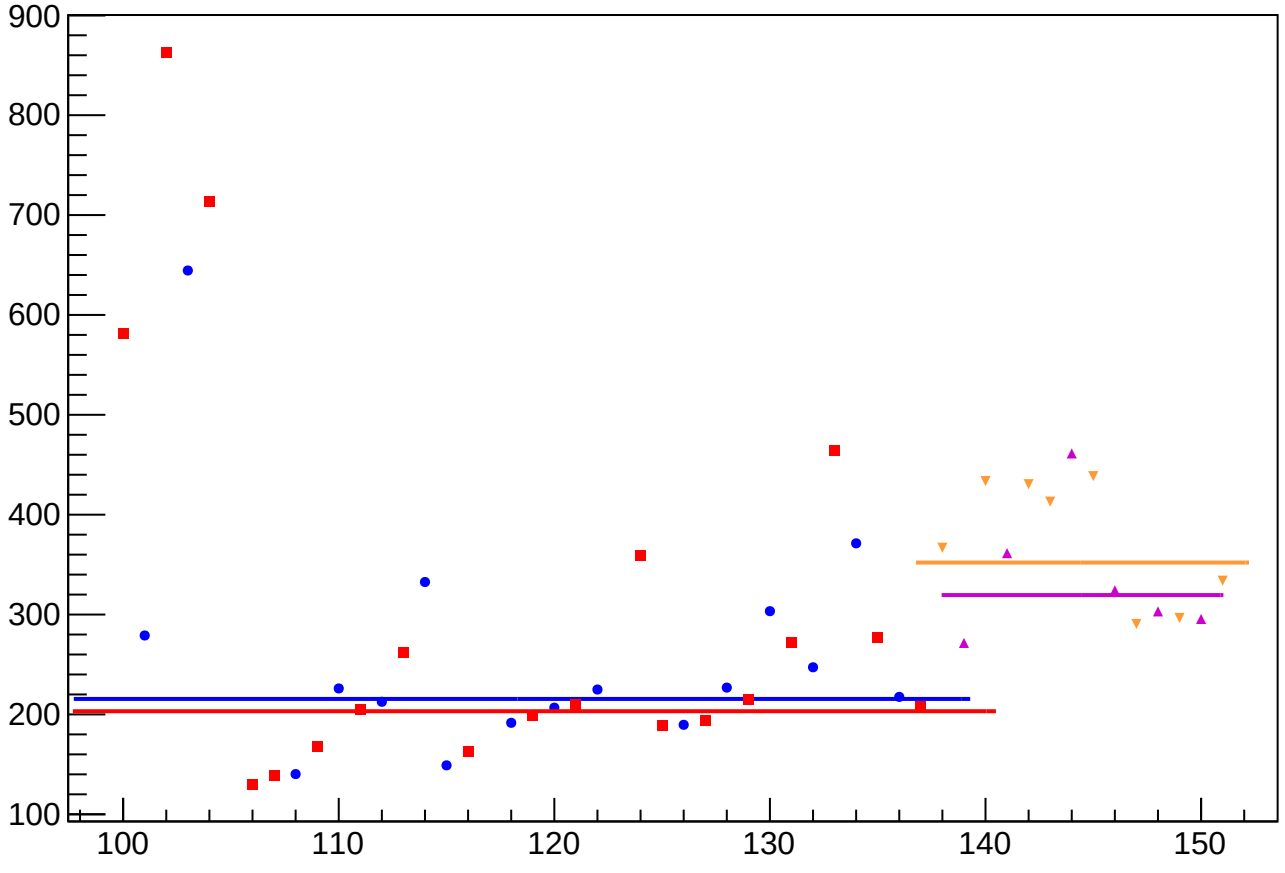
In: 243.038+/-0.052 χ^2/NDF:2190073.5/21

Out: 240.139+/-0.051 χ^2/NDF:3745699.4/26

All: 241.566+/-0.036 χ^2/NDF: 5937361.6/48


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.176+/-0.145 χ²/NDF:8.1/7
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.166+/-0.142 χ²/NDF:9.6/5
Left: 0.002+/-0.102 χ²/NDF: 20.5/13
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.085+/-0.073 χ²/NDF:20.7/21
Out: 0.130+/-0.072 χ²/NDF:33.5/26
All: 0.024+/-0.051 χ²/NDF: 58.5/48

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: 352.059+/-0.102 χ^2/NDF:322438.5/7

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 319.519+/-0.101 χ^2/NDF:257791.1/5

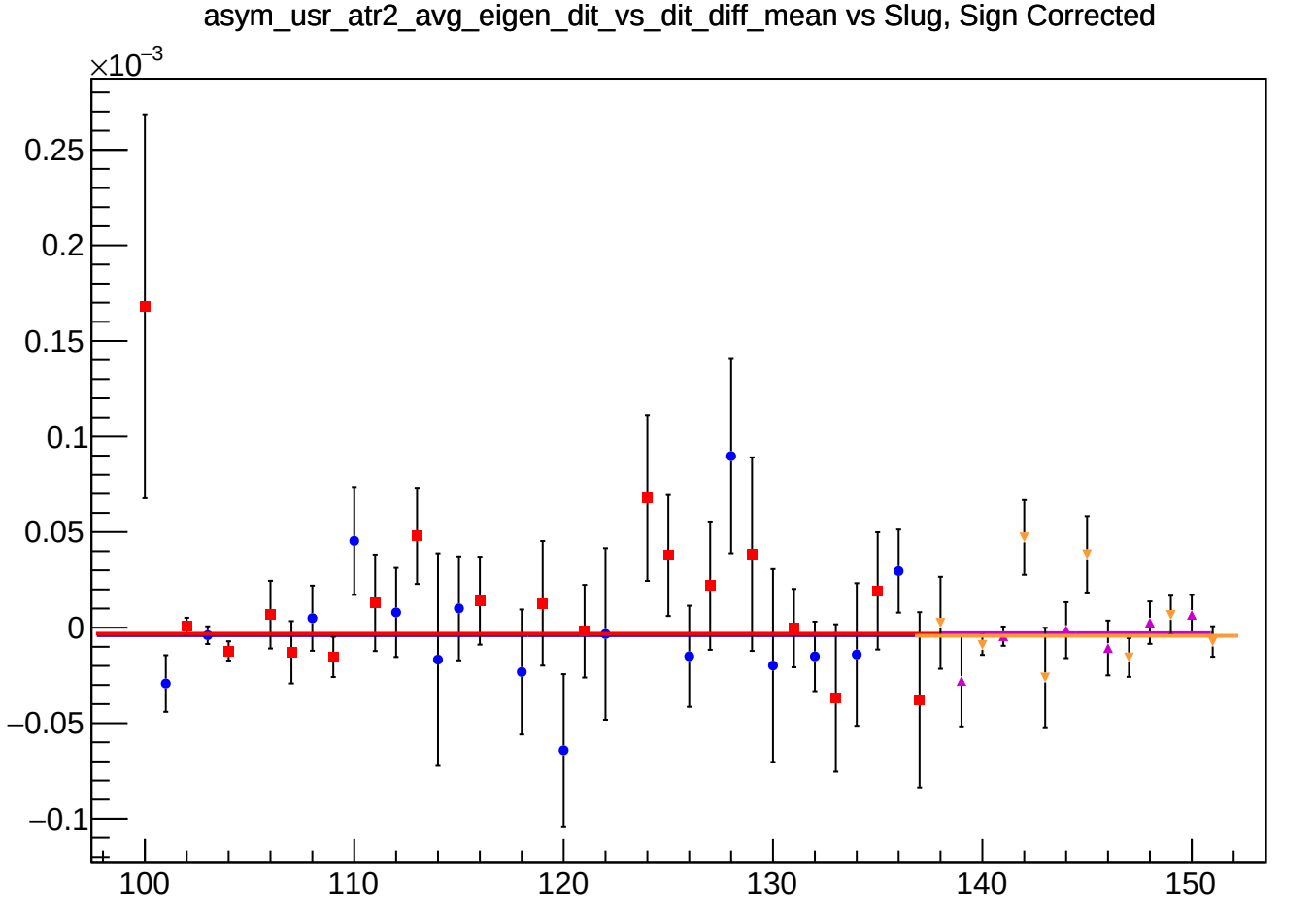
Left: 335.520+/-0.072 χ^2/NDF: 631519.4/13

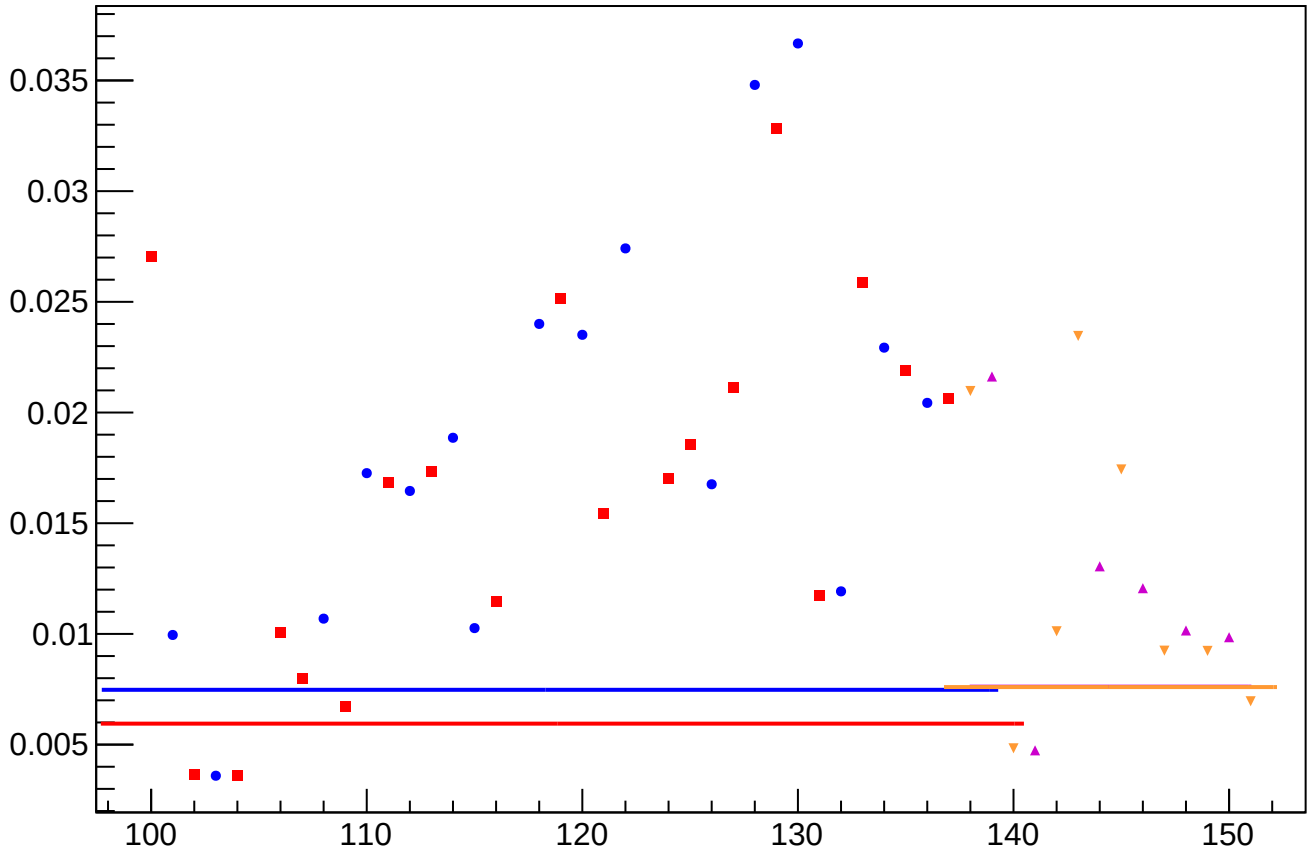
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 243.038+/-0.052 χ^2/NDF:2190073.5/21

Out: 240.139+/-0.051 χ^2/NDF:3745699.4/26

All: 241.566+/-0.036 χ^2/NDF: 5937361.6/48


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:15.6/7
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:2.6/5
Left: -0.000+/-0.000 χ²/NDF: 18.3/13
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:18.6/21
Out: -0.000+/-0.000 χ²/NDF:37.3/26
All: -0.000+/-0.000 χ²/NDF: 55.9/48



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2545289.6/7

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:2006802.9/5

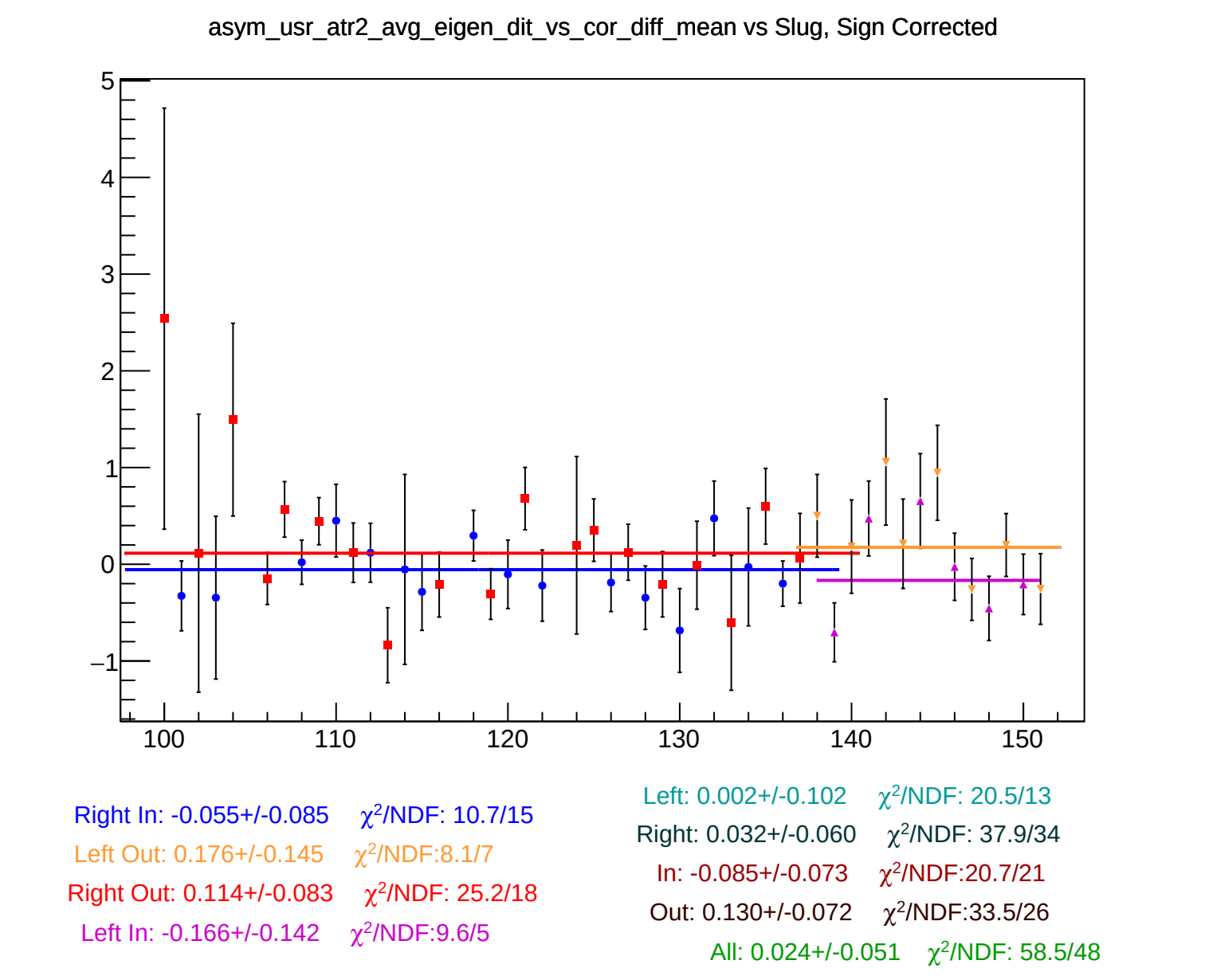
Left: 0.008+/-0.000 χ^2/NDF: 4552118.0/13

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

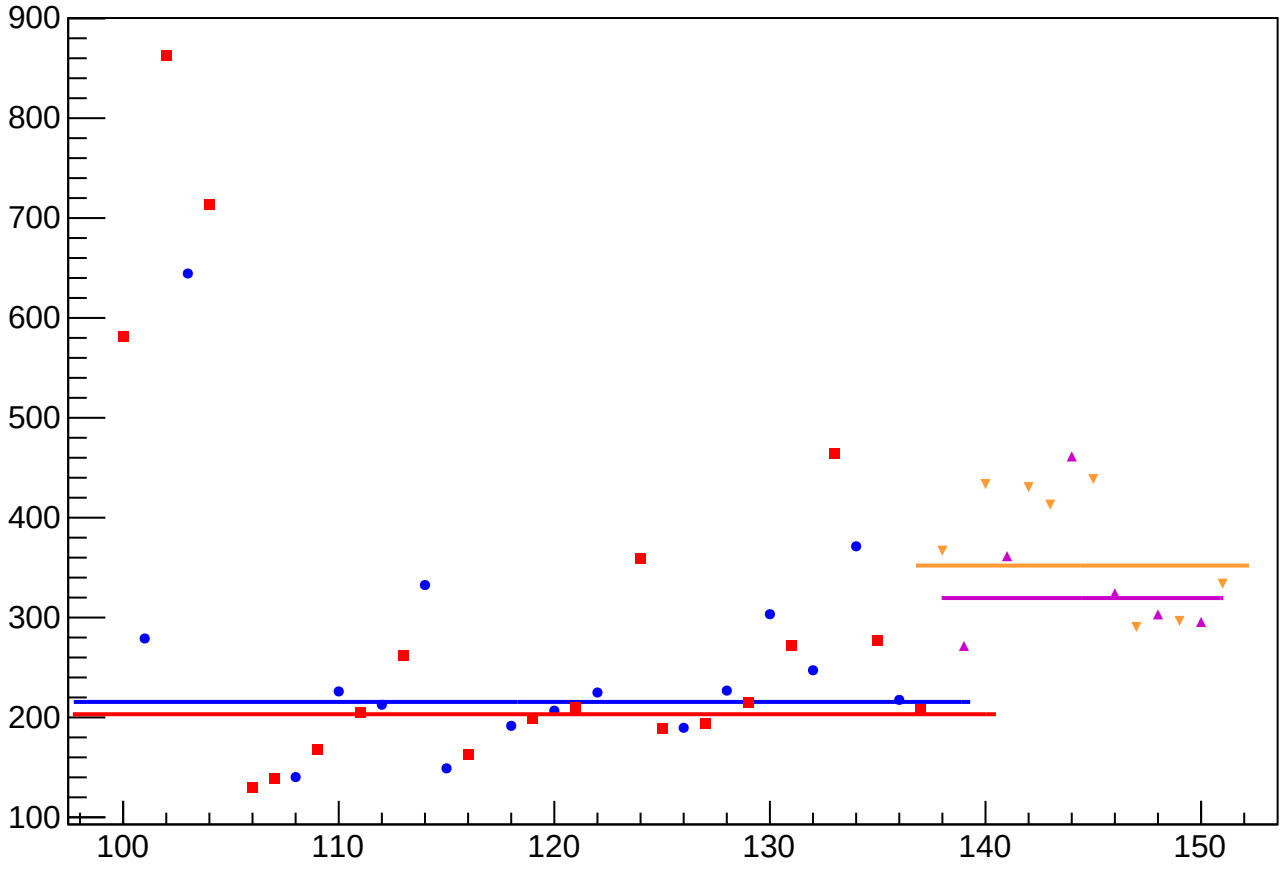
In: 0.008+/-0.000 χ^2/NDF:8084390.8/21

Out: 0.007+/-0.000 χ^2/NDF:8739485.1/26

All: 0.007+/-0.000 χ^2/NDF: 16966799.8/48


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
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.176+/-0.145 χ²/NDF:8.1/7
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.166+/-0.142 χ²/NDF:9.6/5
Left: 0.002+/-0.102 χ²/NDF: 20.5/13
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.085+/-0.073 χ²/NDF:20.7/21
Out: 0.130+/-0.072 χ²/NDF:33.5/26
All: 0.024+/-0.051 χ²/NDF: 58.5/48

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: 352.064+/-0.102 χ^2/NDF:322428.8/7

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 319.524+/-0.101 χ^2/NDF:257779.1/5

Left: 335.525+/-0.072 χ^2/NDF: 631495.2/13

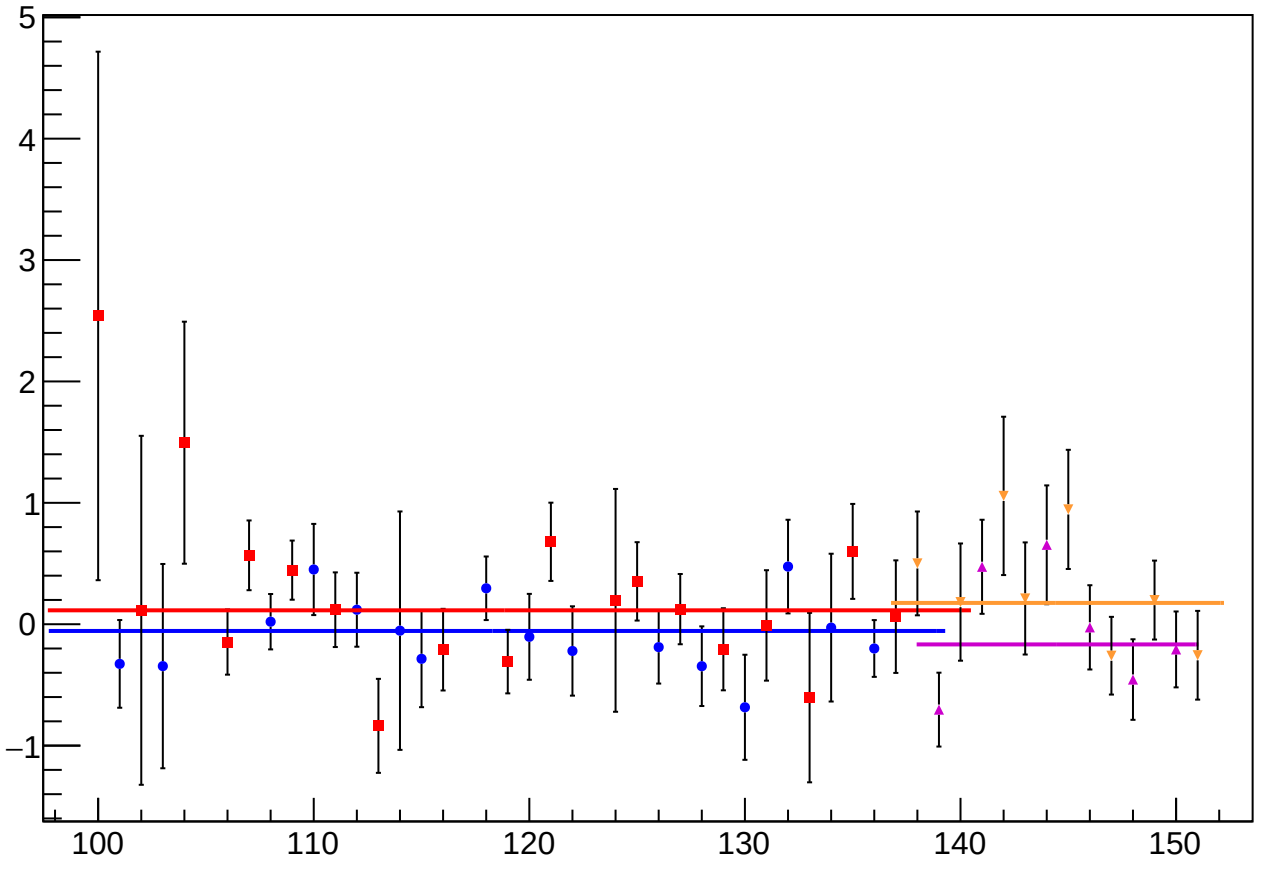
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 243.037+/-0.052 χ^2/NDF:2190115.0/21

Out: 240.138+/-0.051 χ^2/NDF:3745781.0/26

All: 241.565+/-0.036 χ^2/NDF: 5937485.4/48

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: 0.176+/-0.145 χ^2/NDF:8.1/7

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.166+/-0.142 χ^2/NDF:9.6/5

Left: 0.002+/-0.102 χ^2/NDF: 20.5/13

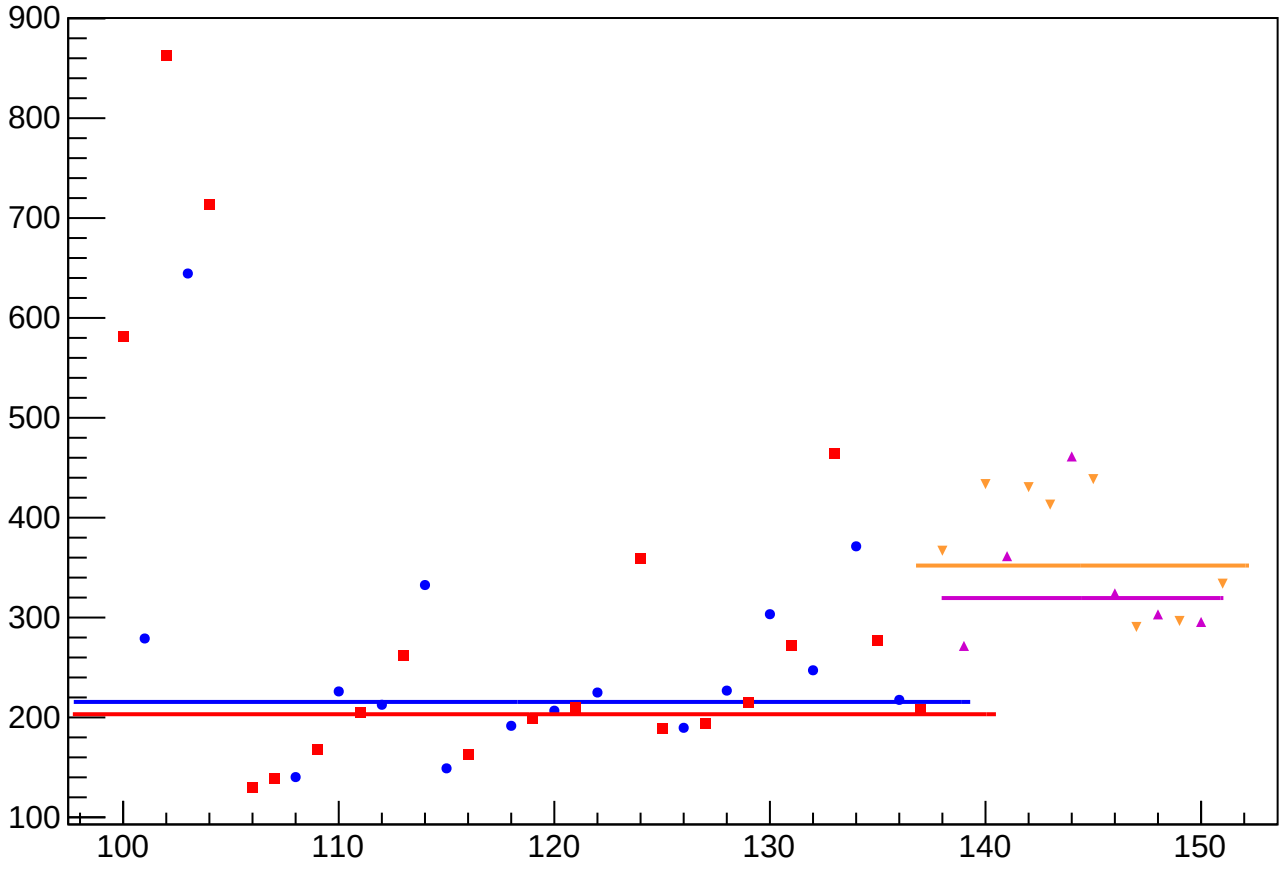
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.085+/-0.073 χ^2/NDF:20.7/21

Out: 0.130+/-0.072 χ^2/NDF:33.5/26

All: 0.024+/-0.051 χ^2/NDF: 58.5/48

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: 352.064+/-0.102 χ^2/NDF:322428.8/7

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 319.524+/-0.101 χ^2/NDF:257779.1/5

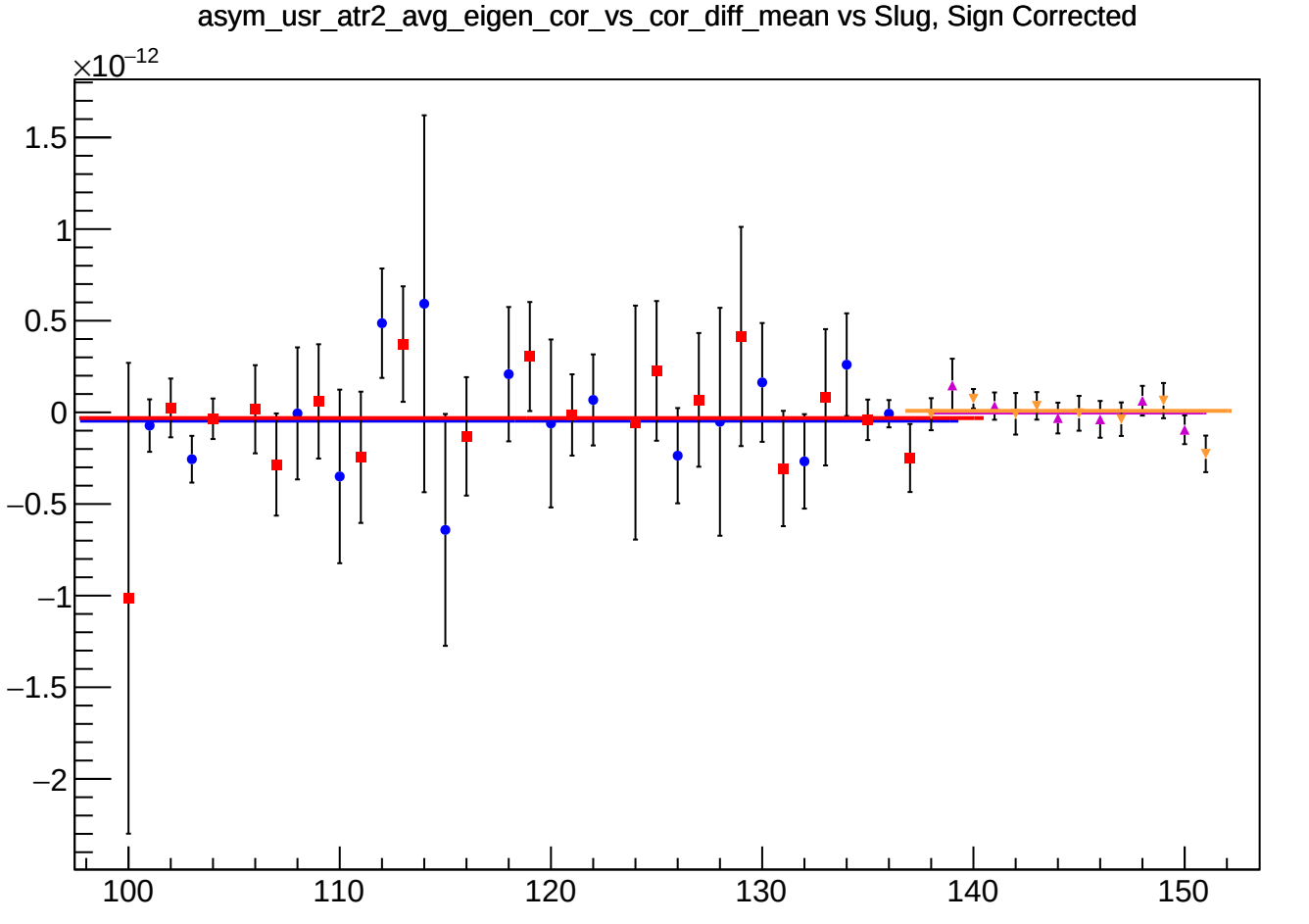
Left: 335.525+/-0.072 χ^2/NDF: 631495.2/13

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 243.037+/-0.052 χ^2/NDF:2190115.0/21

Out: 240.138+/-0.051 χ^2/NDF:3745781.0/26

All: 241.565+/-0.036 χ^2/NDF: 5937485.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/5

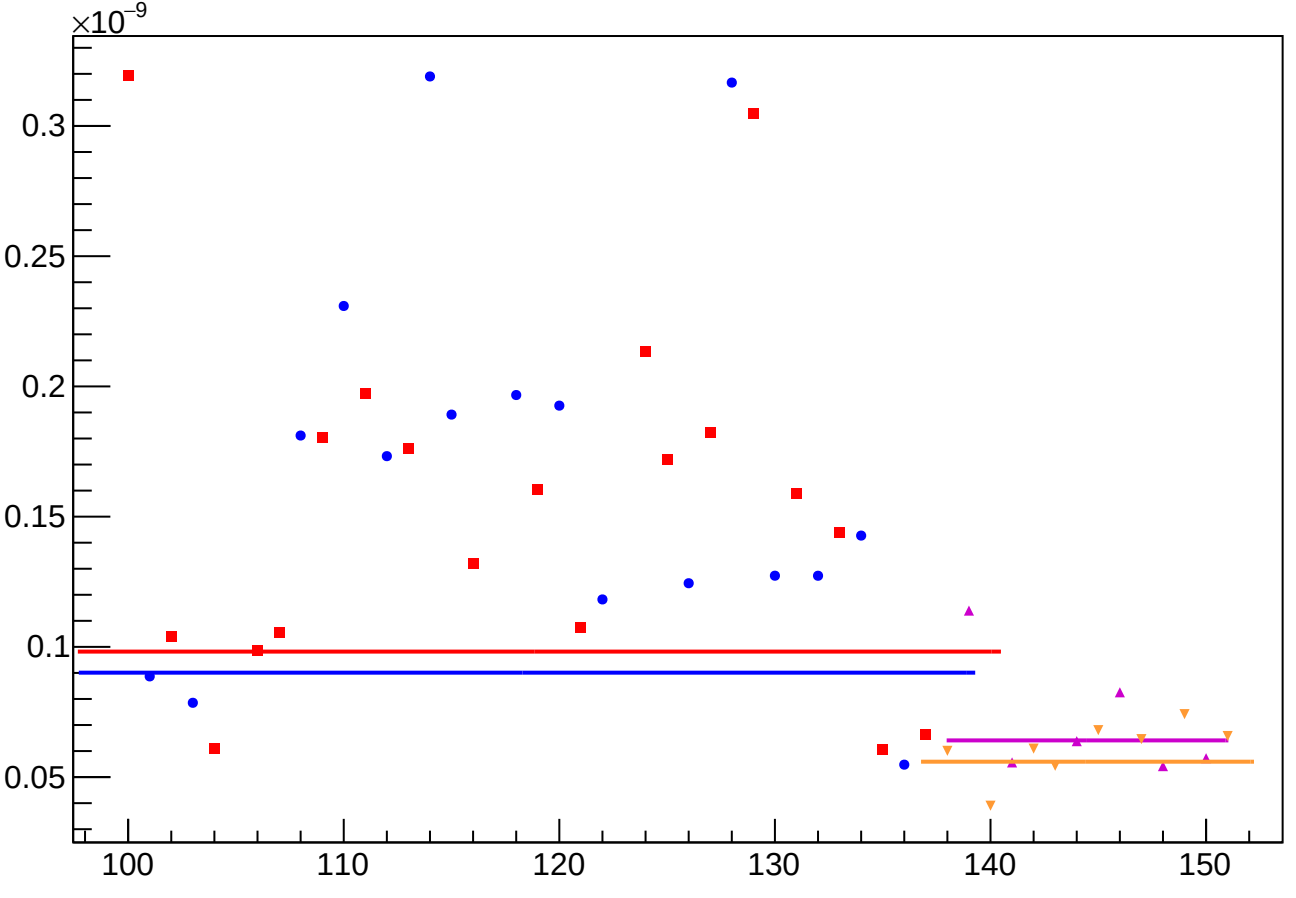
Left: 0.000+/-0.000 χ^2/NDF: 11.5/13

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:15.6/21

Out: -0.000+/-0.000 χ^2/NDF:16.7/26

All: -0.000+/-0.000 χ^2/NDF: 32.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:354152.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:372464.3/5

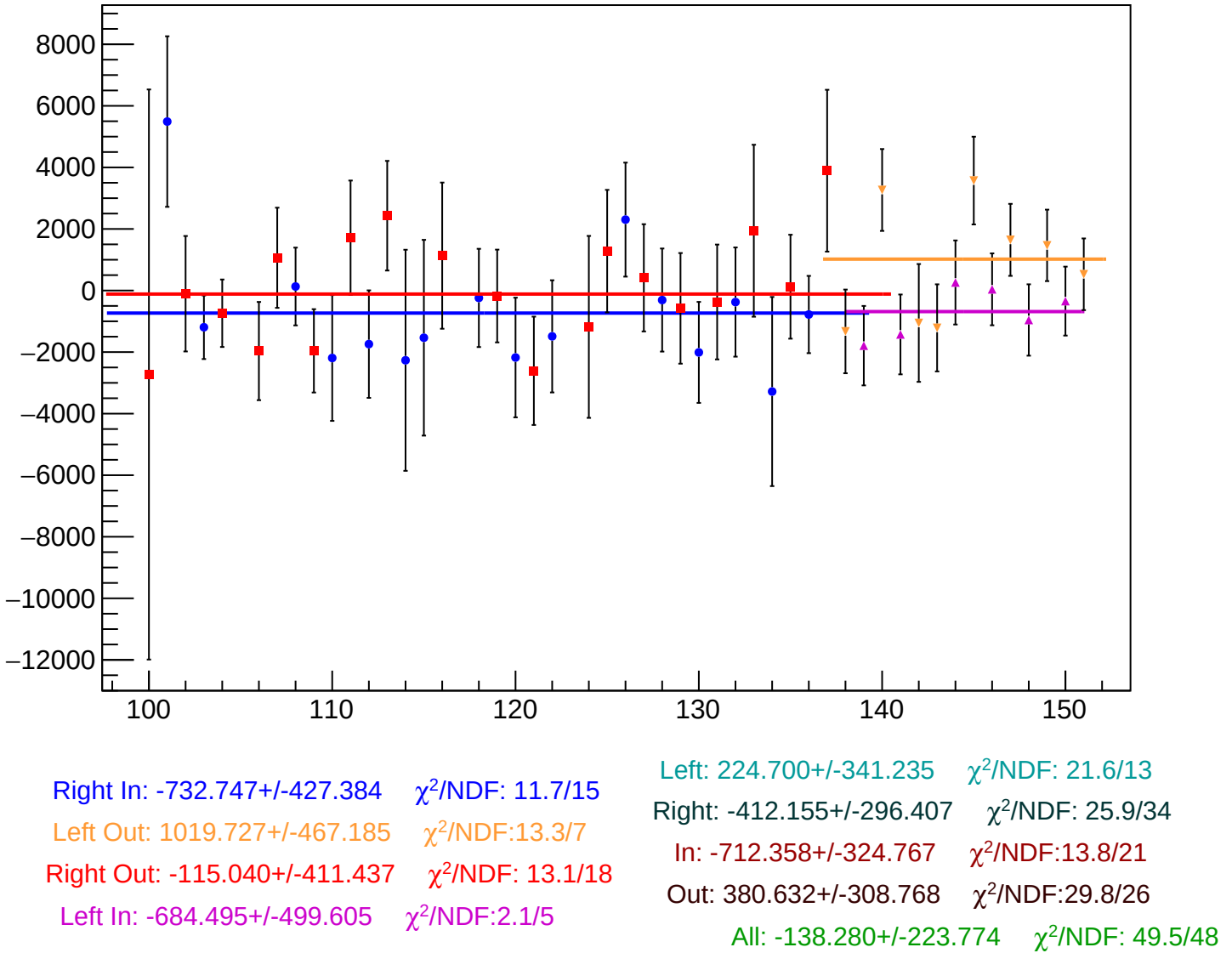
Left: 0.000+/-0.000 χ^2/NDF: 789546.8/13

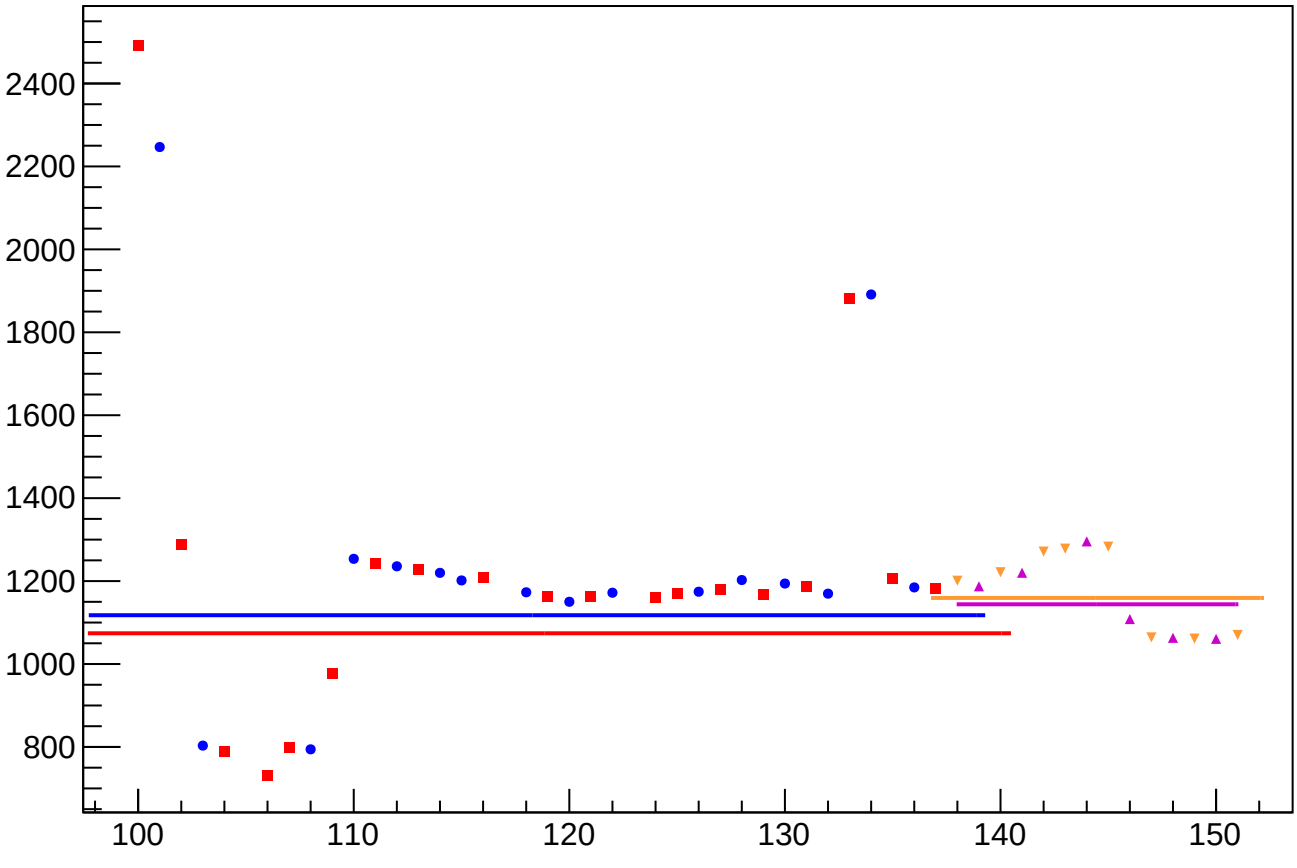
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:2538842.7/21

Out: 0.000+/-0.000 χ^2/NDF:3052683.2/26

All: 0.000+/-0.000 χ^2/NDF: 5655533.4/48


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 1019.727+/-467.185 χ²/NDF:13.3/7
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -684.495+/-499.605 χ²/NDF:2.1/5
Left: 224.700+/-341.235 χ²/NDF: 21.6/13
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -712.358+/-324.767 χ²/NDF:13.8/21
Out: 380.632+/-308.768 χ²/NDF:29.8/26
All: -138.280+/-223.774 χ²/NDF: 49.5/48



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1159.396+/-0.330 χ^2/NDF:81481.4/7

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1144.034+/-0.353 χ^2/NDF:56466.8/5

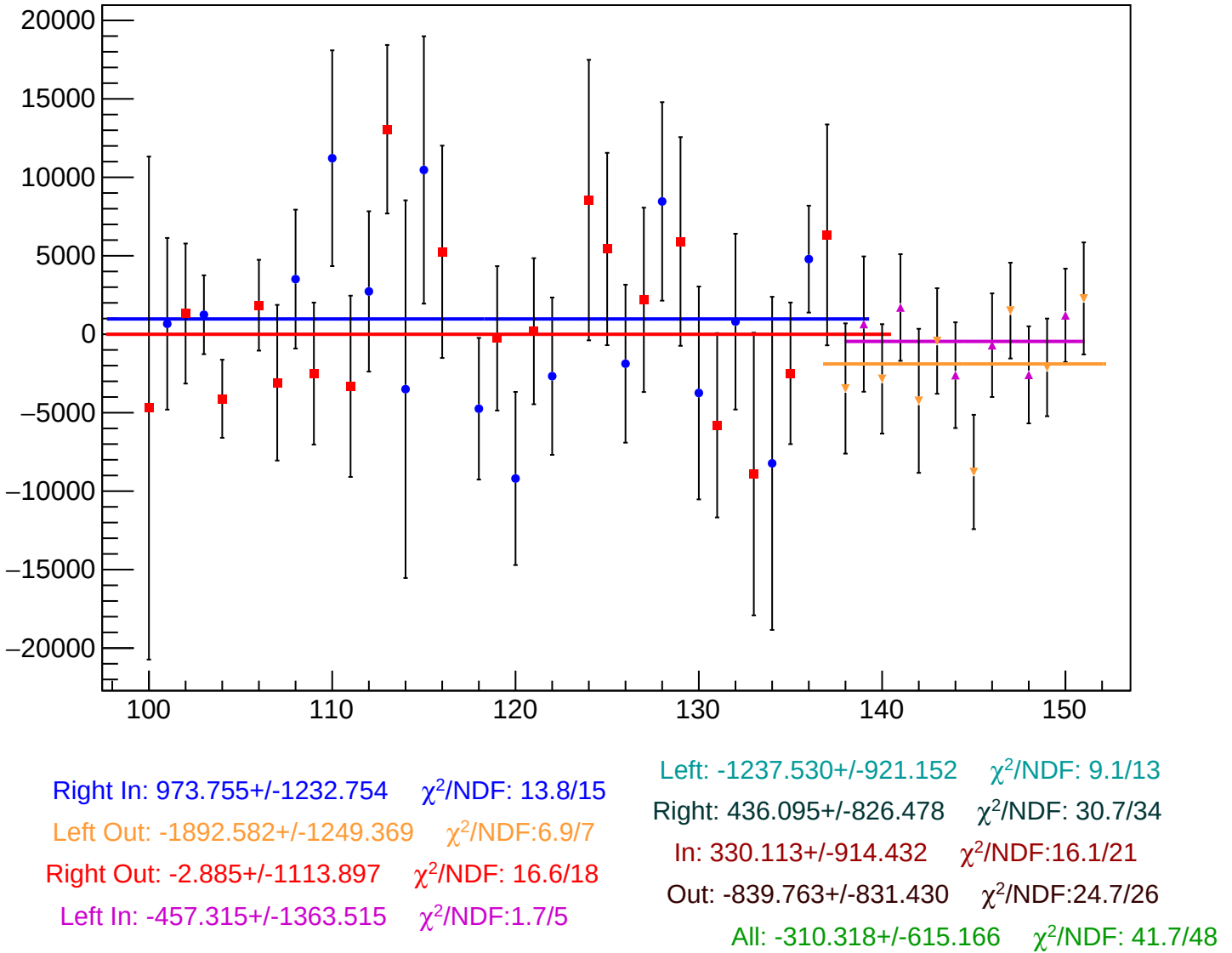
Left: 1152.229+/-0.241 χ^2/NDF: 138956.9/13

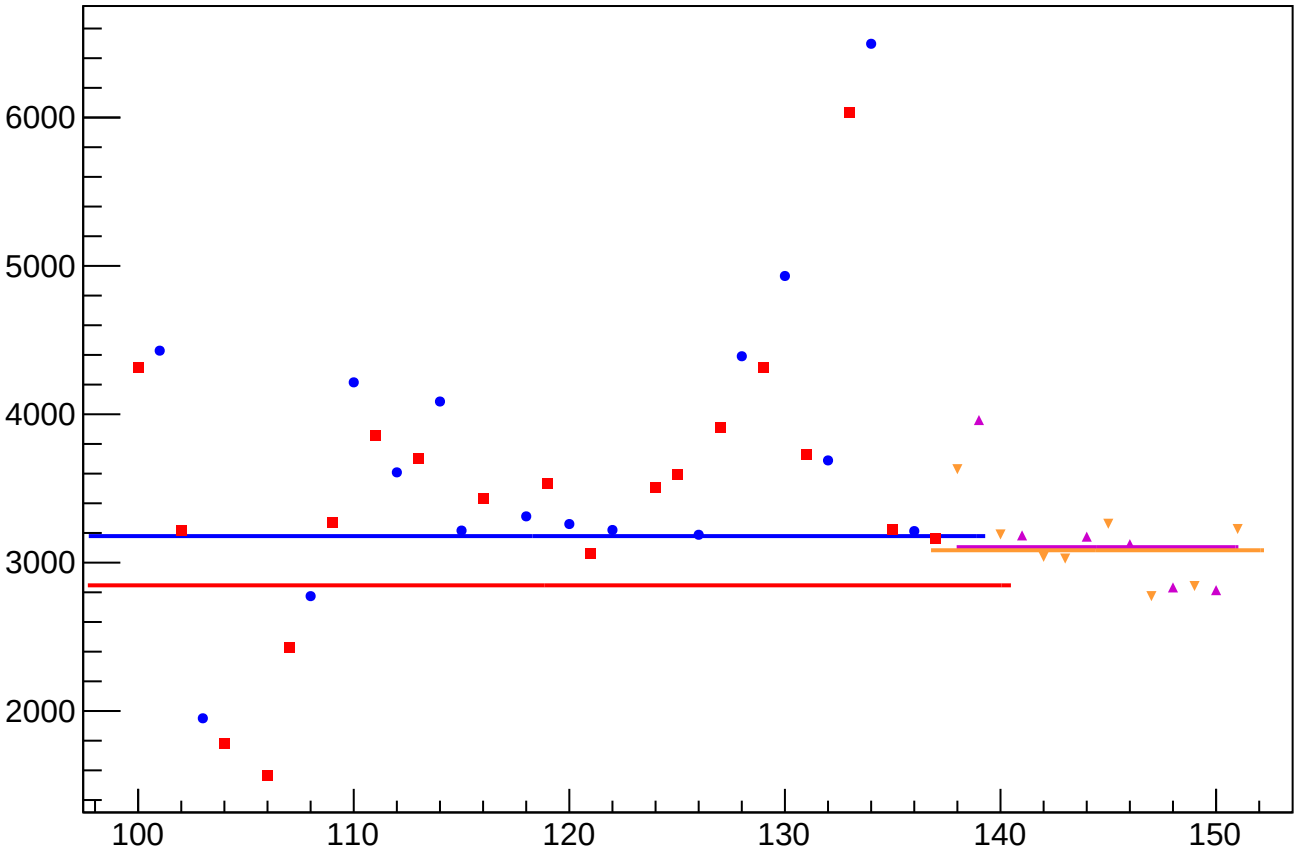
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1128.818+/-0.230 χ^2/NDF:879514.6/21

Out: 1111.036+/-0.217 χ^2/NDF:768765.8/26

All: 1119.437+/-0.158 χ^2/NDF: 1651443.7/48


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -1892.582+/-1249.369 χ²/NDF:6.9/7
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -457.315+/-1363.515 χ²/NDF:1.7/5
Left: -1237.530+/-921.152 χ²/NDF: 9.1/13
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: 330.113+/-914.432 χ²/NDF:16.1/21
Out: -839.763+/-831.430 χ²/NDF:24.7/26
All: -310.318+/-615.166 χ²/NDF: 41.7/48



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3083.454+/-0.883 χ^2/NDF:77827.7/7

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3104.296+/-0.964 χ^2/NDF:115398.9/5

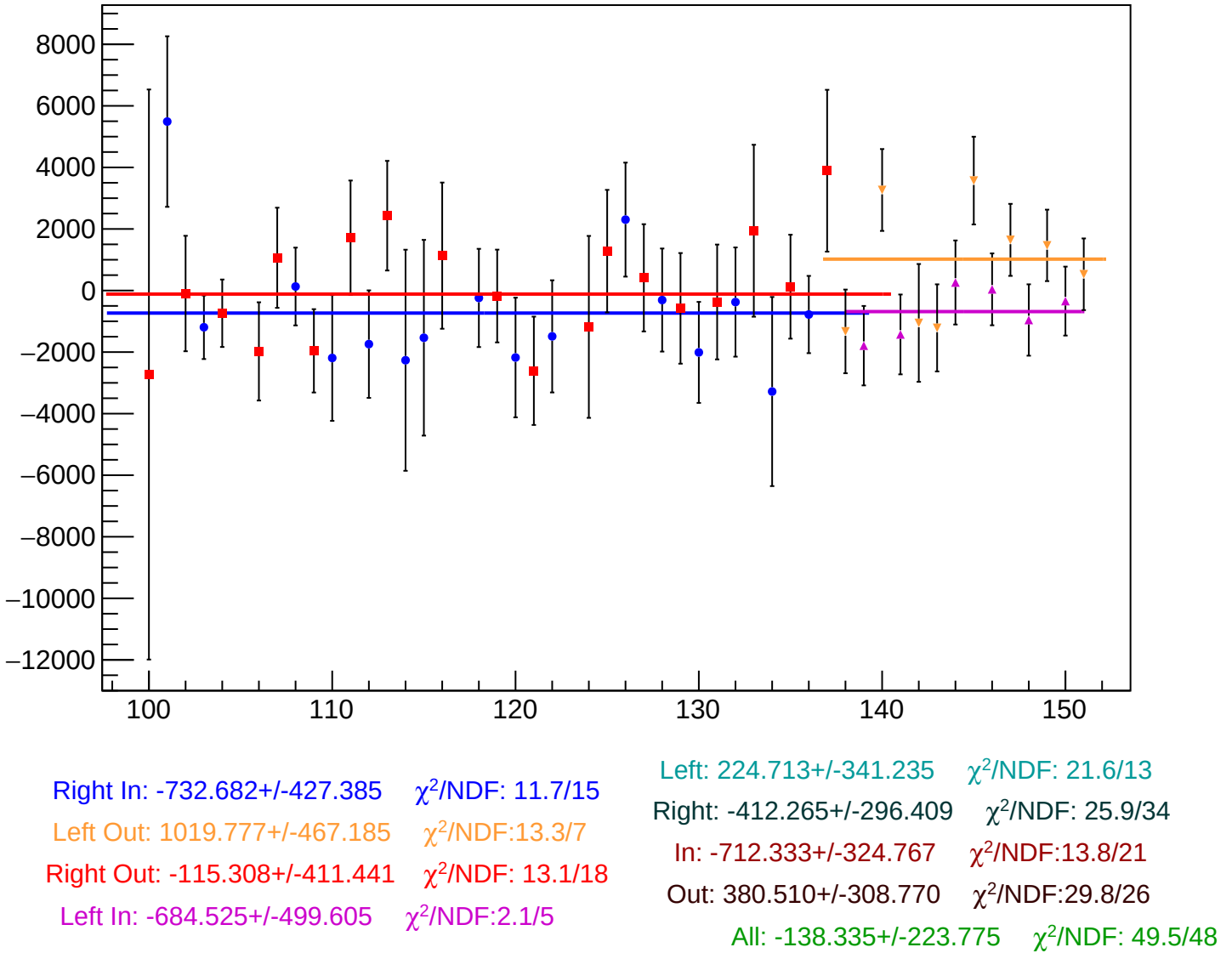
Left: 3092.966+/-0.651 χ^2/NDF: 193480.6/13

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3145.329+/-0.647 χ^2/NDF:1210367.6/21

Out: 2951.726+/-0.588 χ^2/NDF:1628895.3/26

All: 3039.344+/-0.435 χ^2/NDF: 2888340.8/48


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
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6000
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−6000
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−12000
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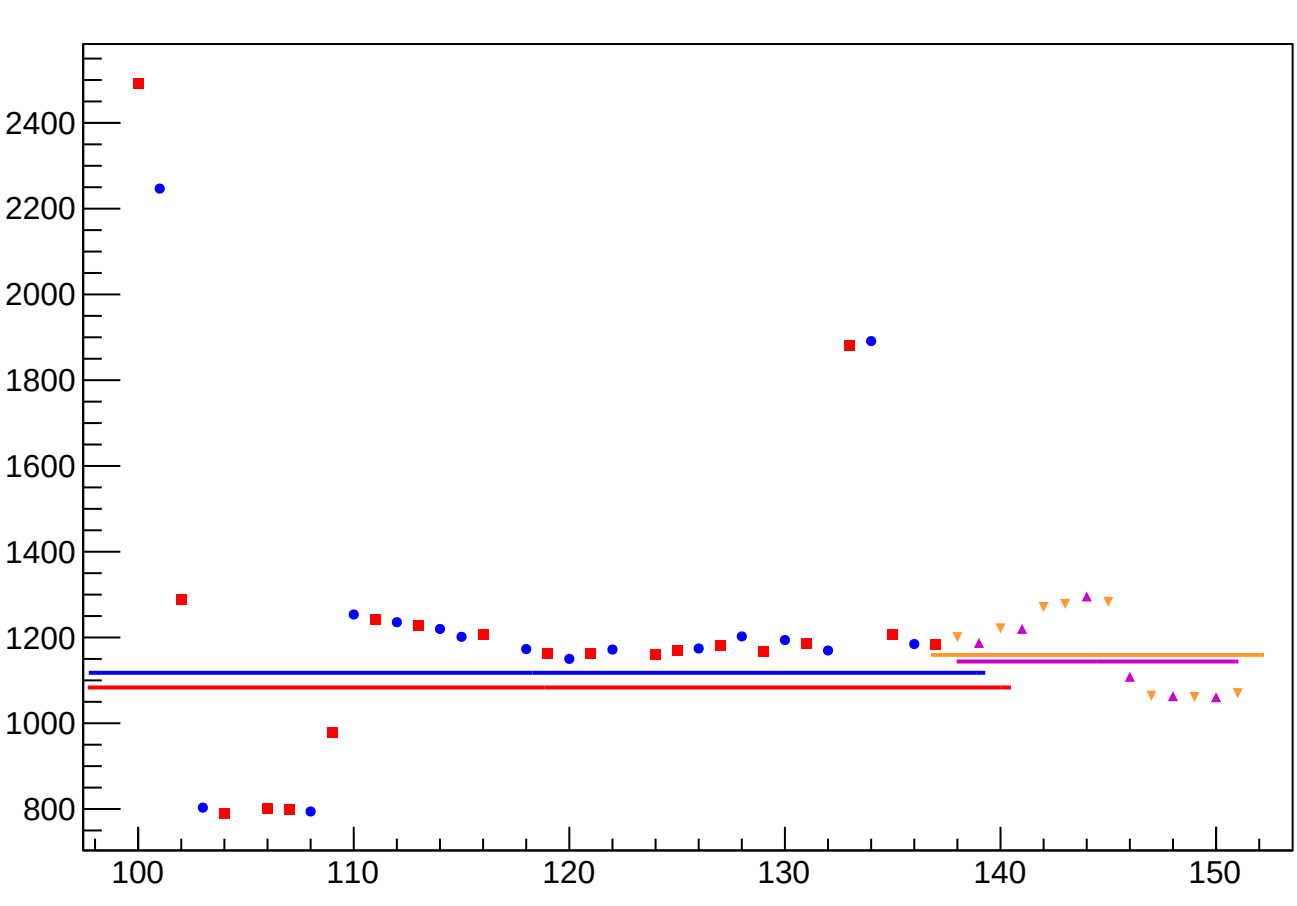
110
120
130
140
150
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 1019.777+/-467.185 χ²/NDF:13.3/7
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -684.525+/-499.605 χ²/NDF:2.1/5
Left: 224.713+/-341.235 χ²/NDF: 21.6/13
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -712.333+/-324.767 χ²/NDF:13.8/21
Out: 380.510+/-308.770 χ²/NDF:29.8/26
All: -138.335+/-223.775 χ²/NDF: 49.5/48



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1159.396+/-0.330 χ^2/NDF:81481.4/7

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1144.034+/-0.353 χ^2/NDF:56466.8/5

Left: 1152.229+/-0.241 χ^2/NDF: 138956.9/13

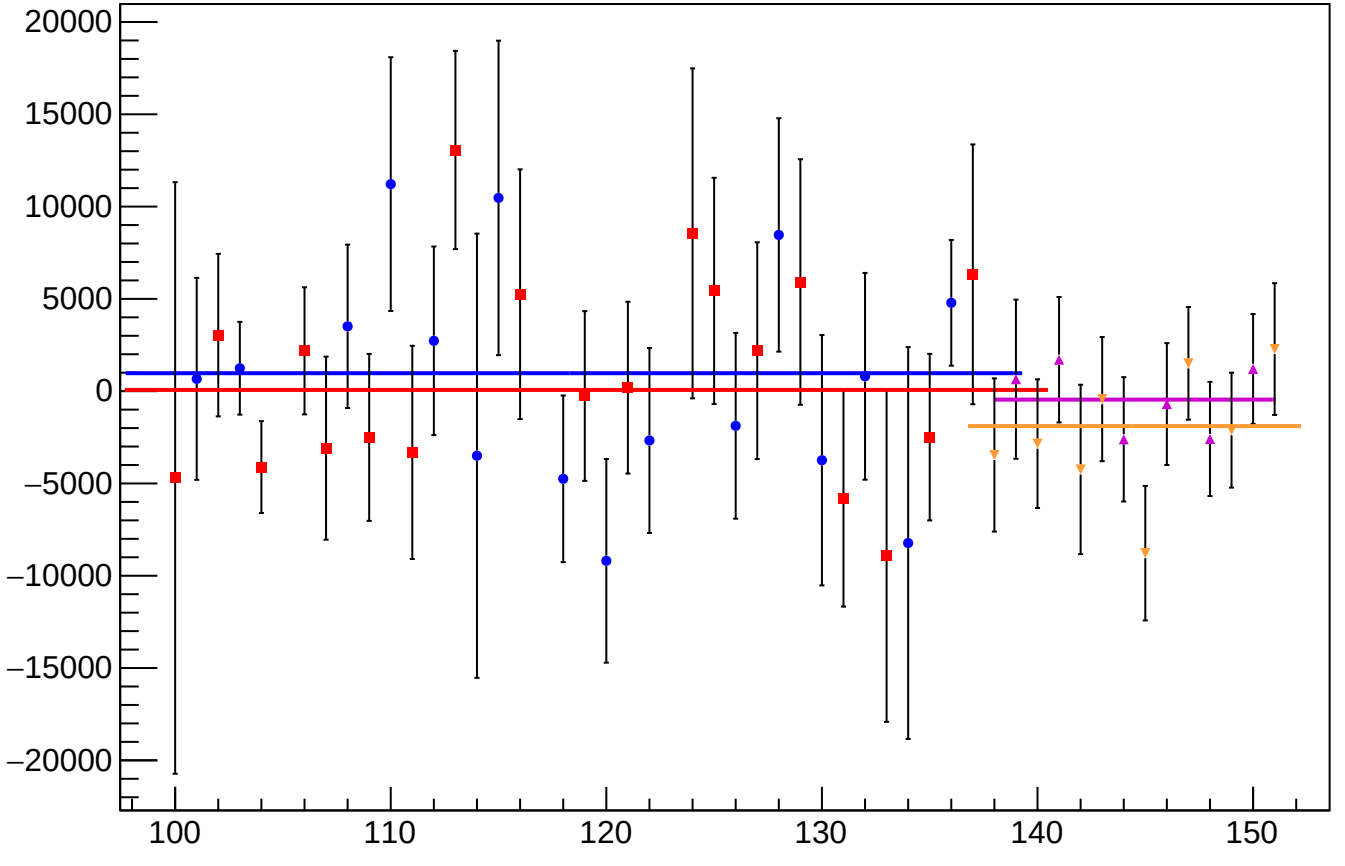
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1128.819+/-0.230 χ^2/NDF:879511.0/21

Out: 1116.535+/-0.218 χ^2/NDF:706336.4/26

All: 1122.360+/-0.158 χ^2/NDF: 1587351.6/48

asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1892.577+/-1249.367 χ^2/NDF:6.9/7

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -457.346+/-1363.514 χ^2/NDF:1.7/5

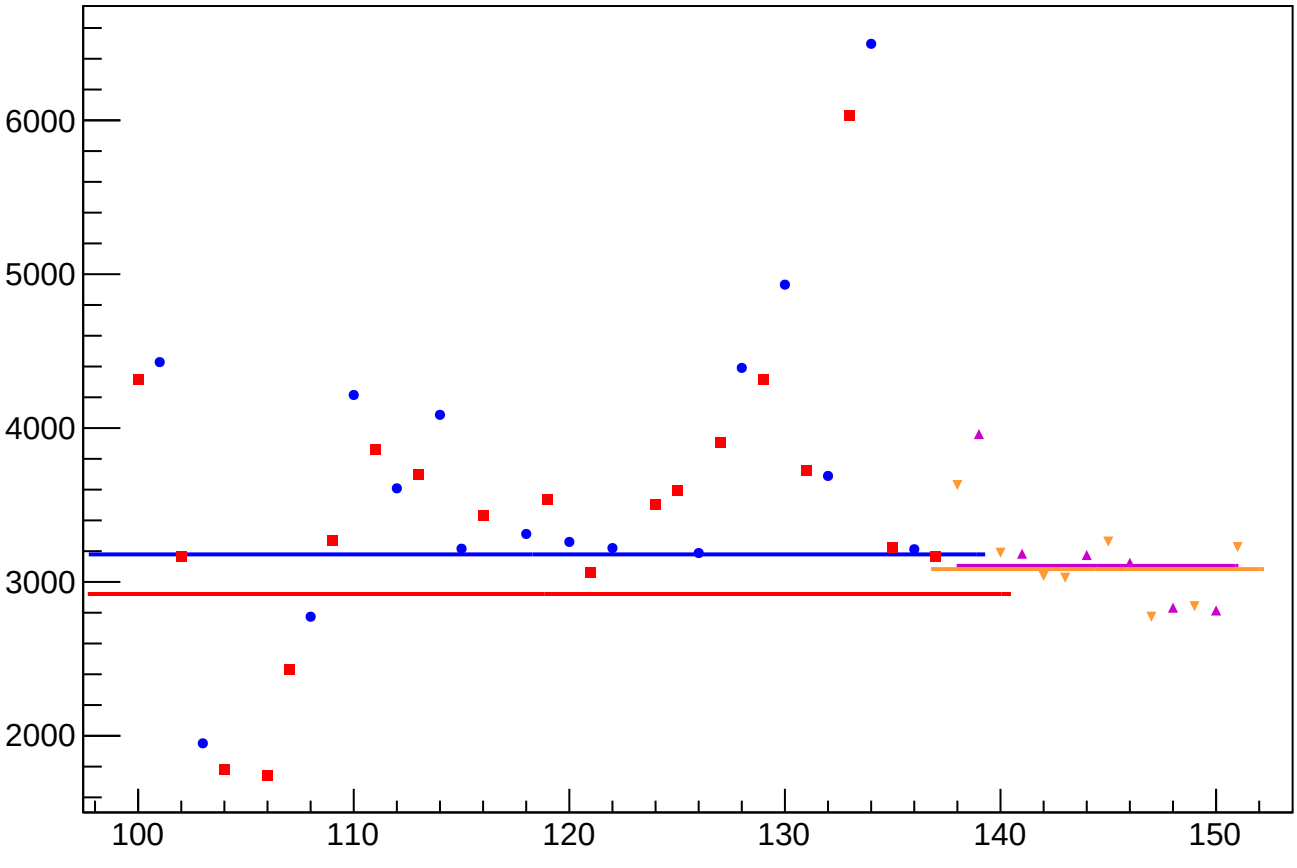
Left: -1237.542+/-921.151 χ^2/NDF: 9.1/13

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 329.797+/-914.452 χ^2/NDF:16.1/21

Out: -821.422+/-841.266 χ^2/NDF:25.1/26

All: -293.717+/-619.124 χ^2/NDF: 42.1/48



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3083.449+/-0.883 χ^2/NDF:77828.0/7

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3104.294+/-0.964 χ^2/NDF:115398.7/5

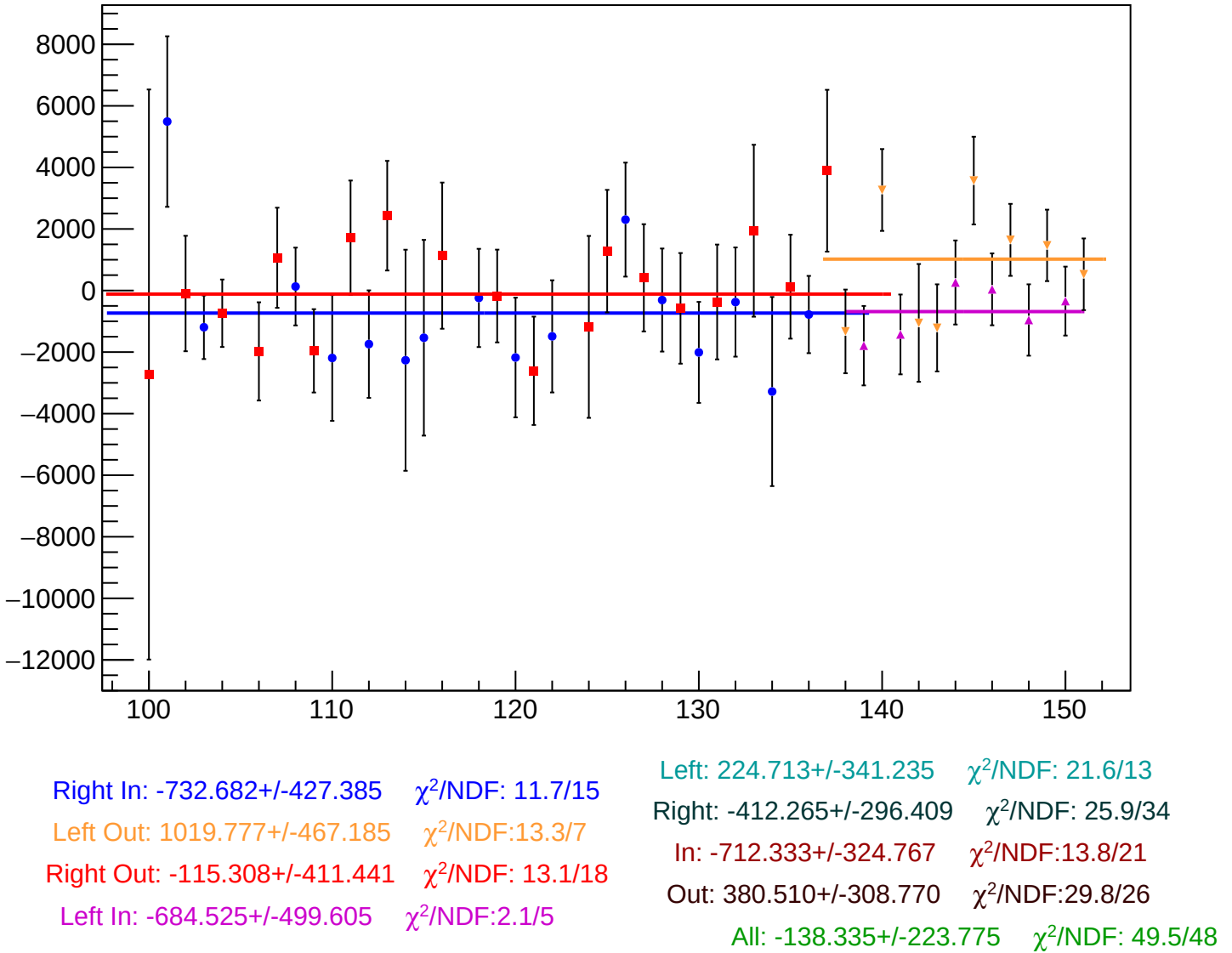
Left: 3092.963+/-0.651 χ^2/NDF: 193480.9/13

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3145.428+/-0.647 χ^2/NDF:1209943.4/21

Out: 2995.006+/-0.595 χ^2/NDF:1409054.6/26

All: 3063.958+/-0.438 χ^2/NDF: 2648308.5/48


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
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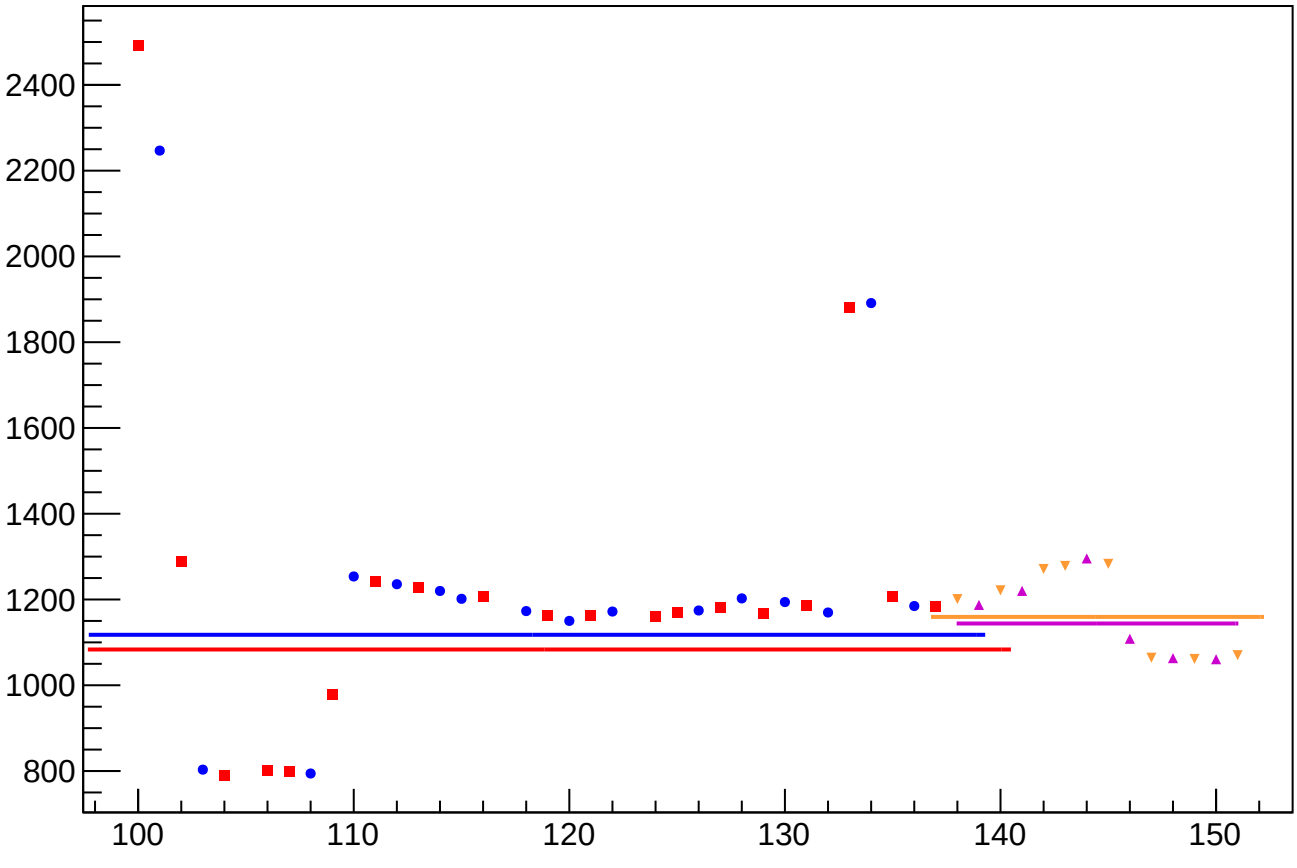
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 1019.777+/-467.185 χ²/NDF:13.3/7
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -684.525+/-499.605 χ²/NDF:2.1/5
Left: 224.713+/-341.235 χ²/NDF: 21.6/13
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -712.333+/-324.767 χ²/NDF:13.8/21
Out: 380.510+/-308.770 χ²/NDF:29.8/26
All: -138.335+/-223.775 χ²/NDF: 49.5/48



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1159.396+/-0.330 χ^2/NDF:81481.4/7

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1144.034+/-0.353 χ^2/NDF:56466.8/5

Left: 1152.229+/-0.241 χ^2/NDF: 138956.9/13

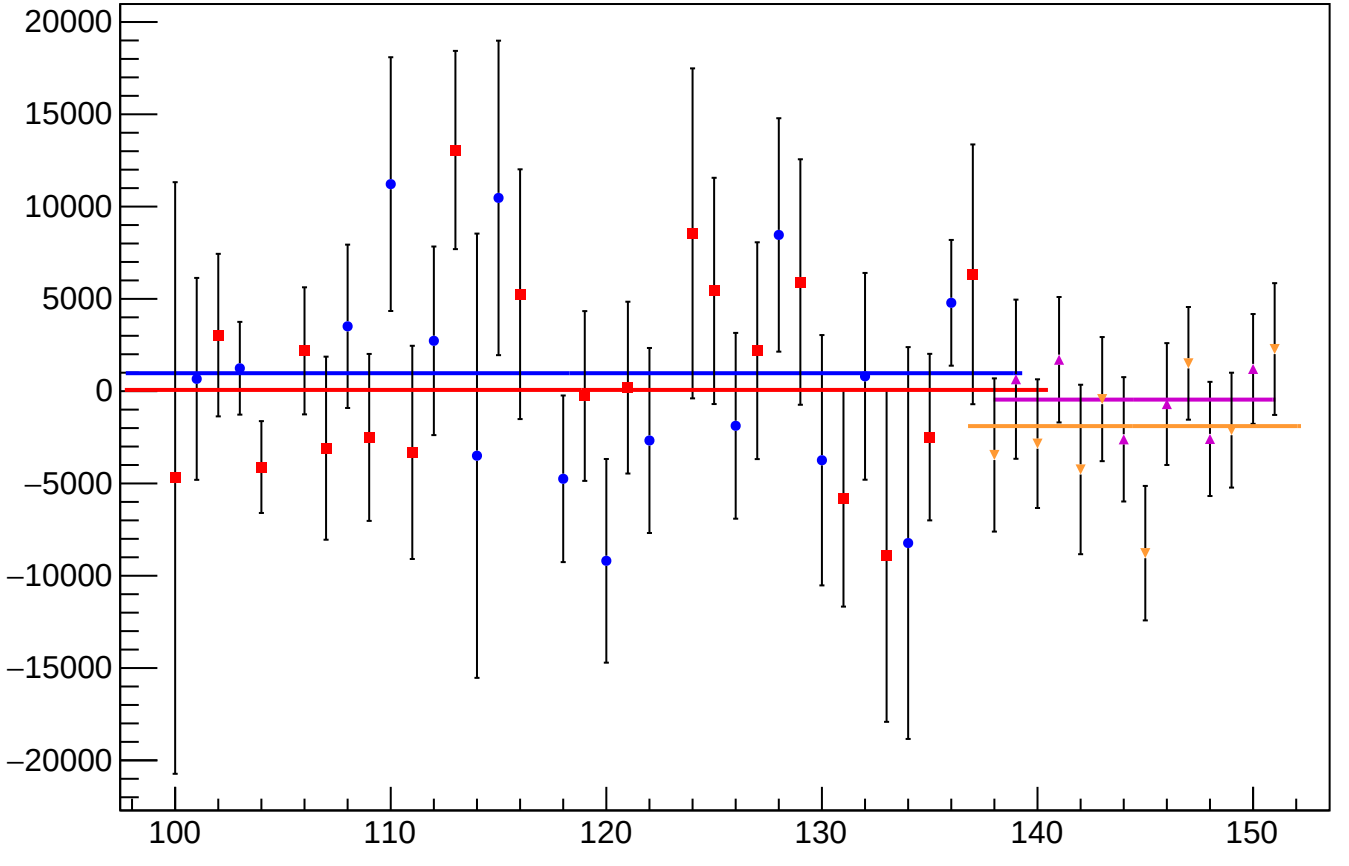
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1128.819+/-0.230 χ^2/NDF:879511.0/21

Out: 1116.535+/-0.218 χ^2/NDF:706336.4/26

All: 1122.360+/-0.158 χ^2/NDF: 1587351.6/48

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1892.577+/-1249.367 χ^2/NDF:6.9/7

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -457.346+/-1363.514 χ^2/NDF:1.7/5

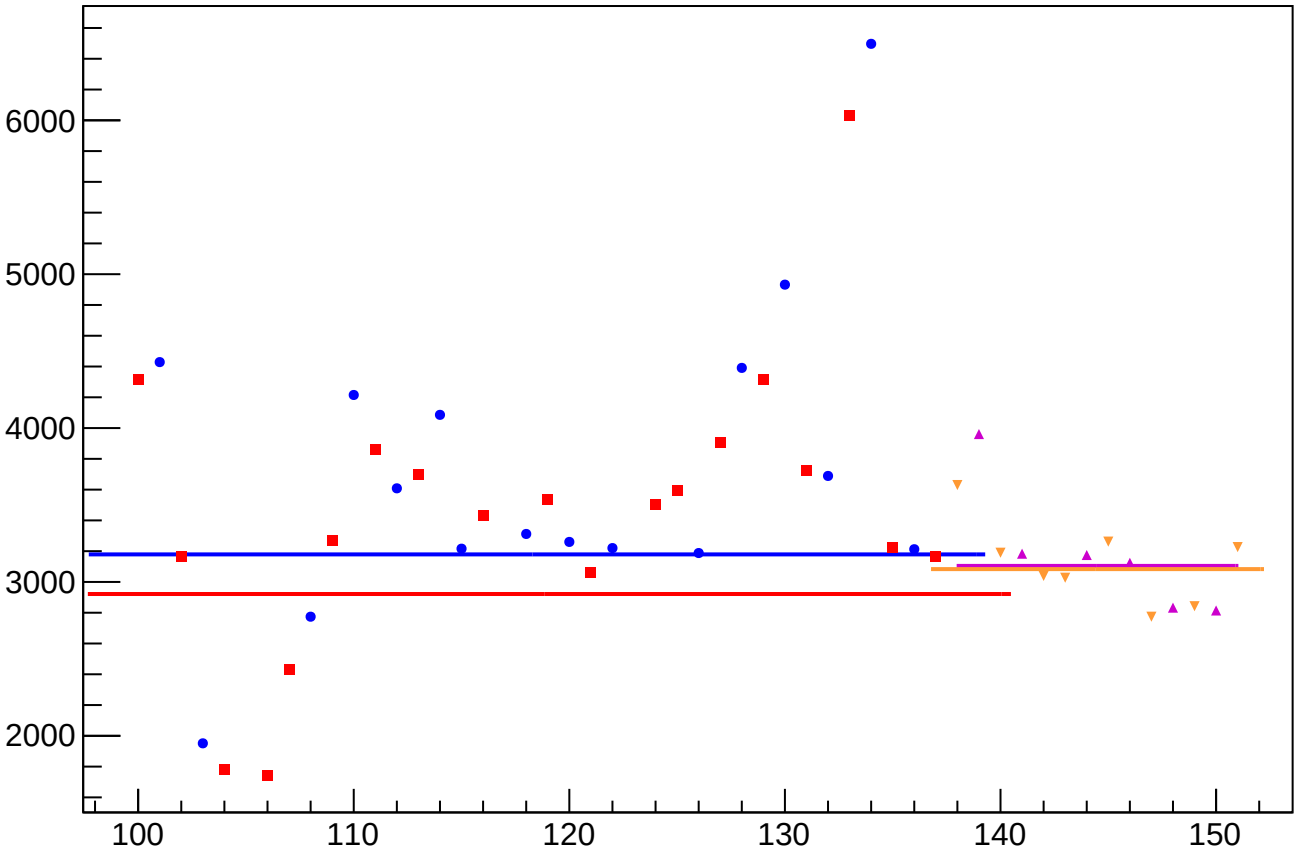
Left: -1237.542+/-921.151 χ^2/NDF: 9.1/13

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 329.797+/-914.452 χ^2/NDF:16.1/21

Out: -821.422+/-841.266 χ^2/NDF:25.1/26

All: -293.717+/-619.124 χ^2/NDF: 42.1/48



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3083.449+/-0.883 χ^2/NDF:77828.0/7

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3104.294+/-0.964 χ^2/NDF:115398.7/5

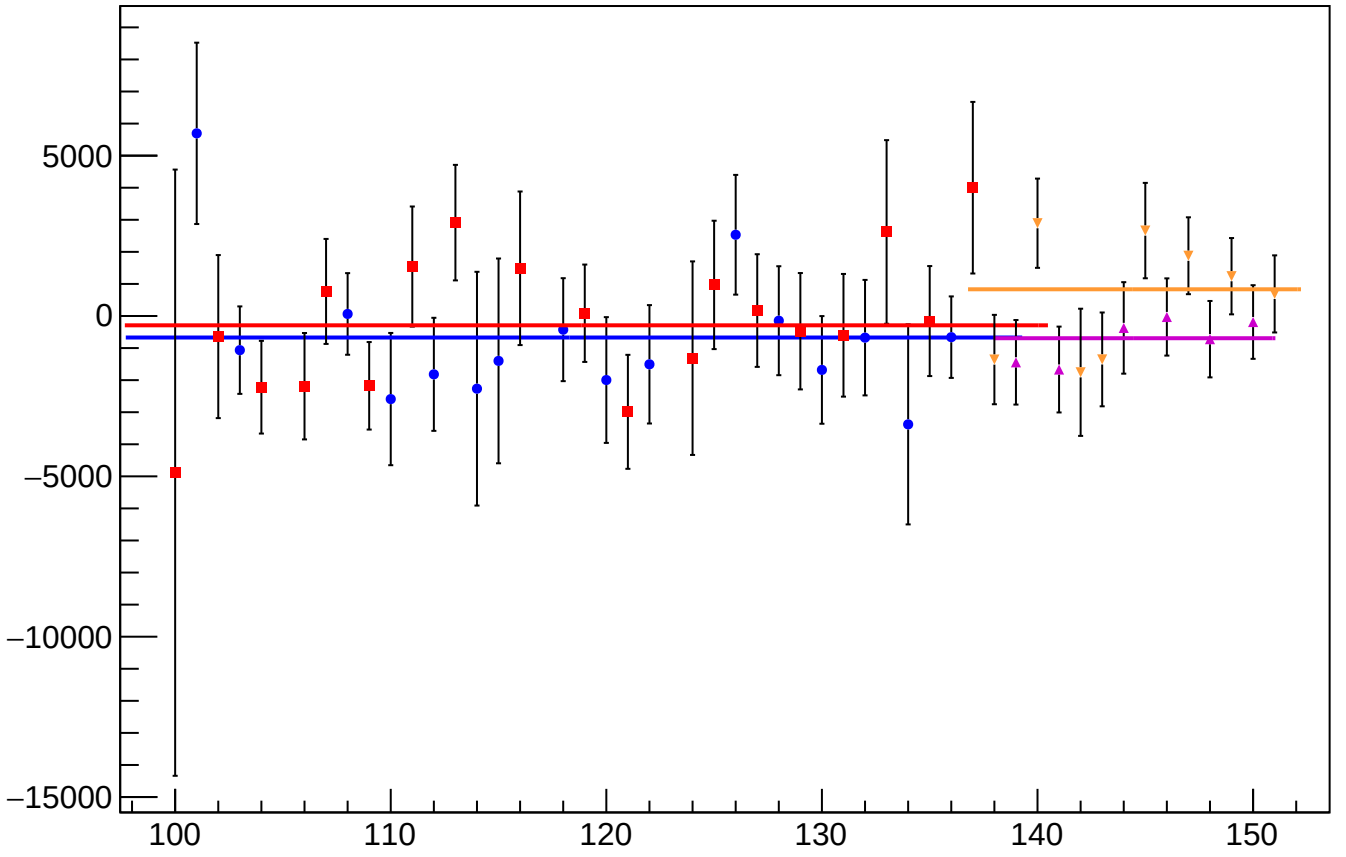
Left: 3092.963+/-0.651 χ^2/NDF: 193480.9/13

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3145.428+/-0.647 χ^2/NDF:1209943.4/21

Out: 2995.006+/-0.595 χ^2/NDF:1409054.6/26

All: 3063.958+/-0.438 χ^2/NDF: 2648308.5/48



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 832.882+/-482.280 χ^2/NDF:11.0/7

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -692.846+/-514.475 χ^2/NDF:1.4/5

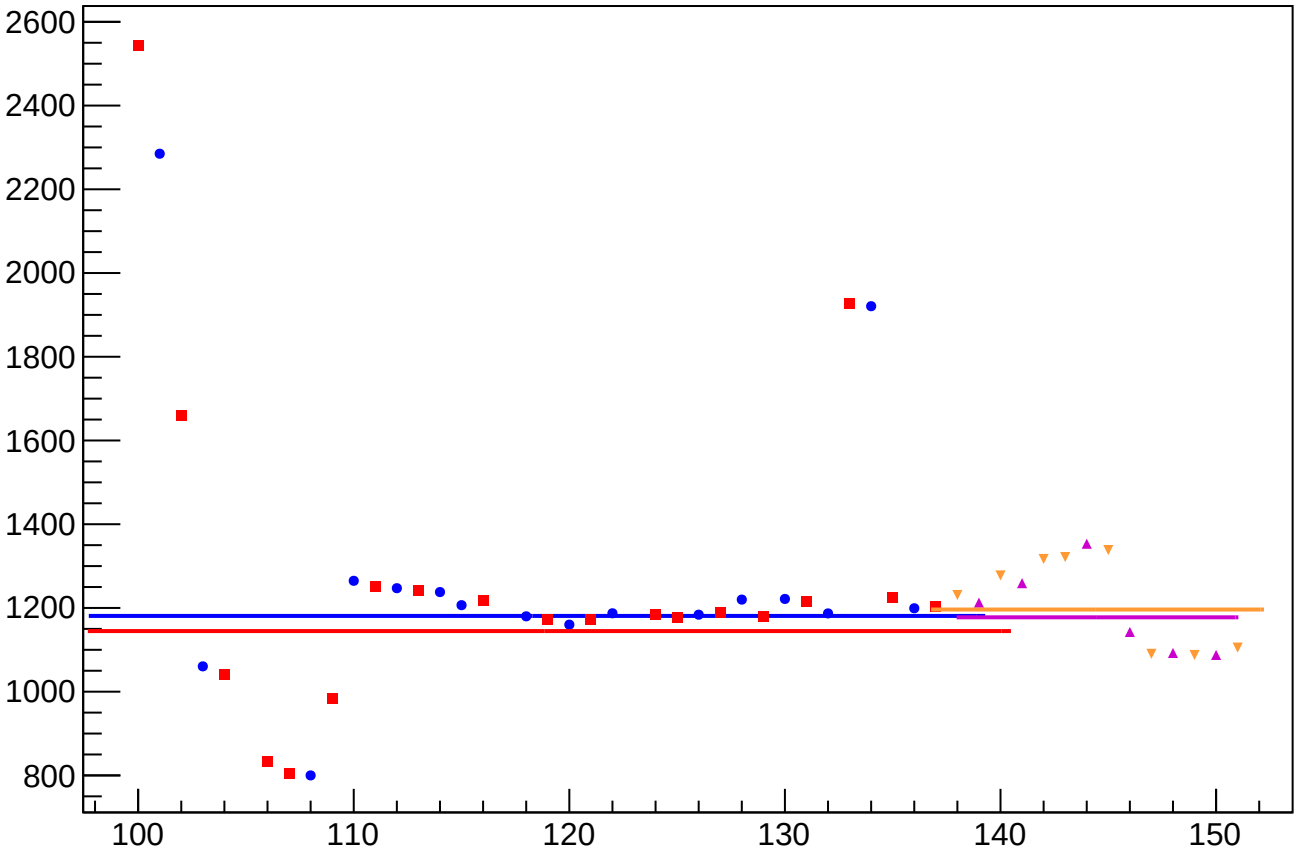
Left: 119.248+/-351.855 χ^2/NDF: 17.1/13

Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -680.331+/-338.073 χ^2/NDF:13.3/21

Out: 212.810+/-322.781 χ^2/NDF:30.9/26

All: -213.105+/-233.460 χ^2/NDF: 47.9/48



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1196.241+/-0.341 χ^2/NDF:92137.6/7

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1177.603+/-0.364 χ^2/NDF:63382.2/5

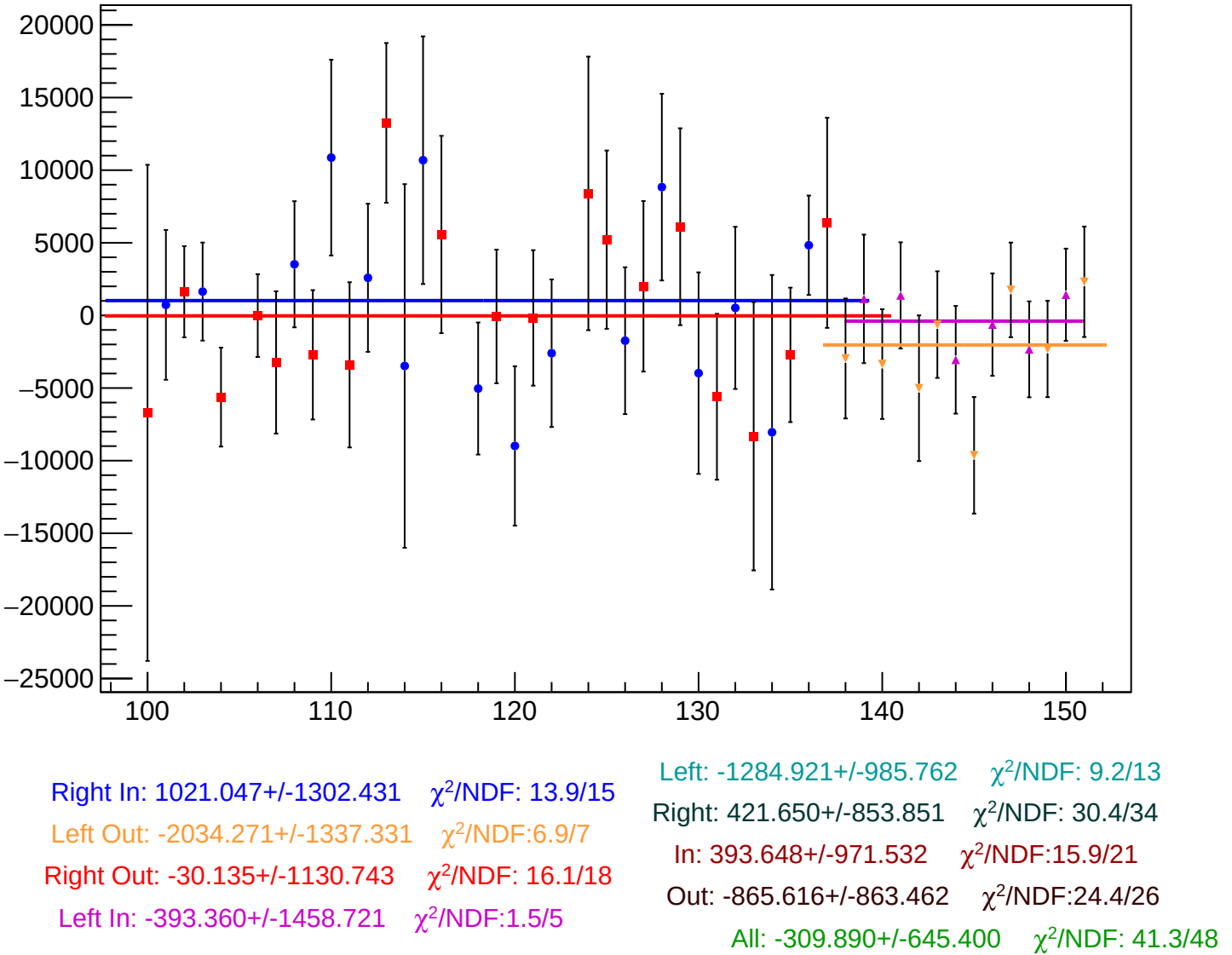
Left: 1187.523+/-0.249 χ^2/NDF: 156917.0/13

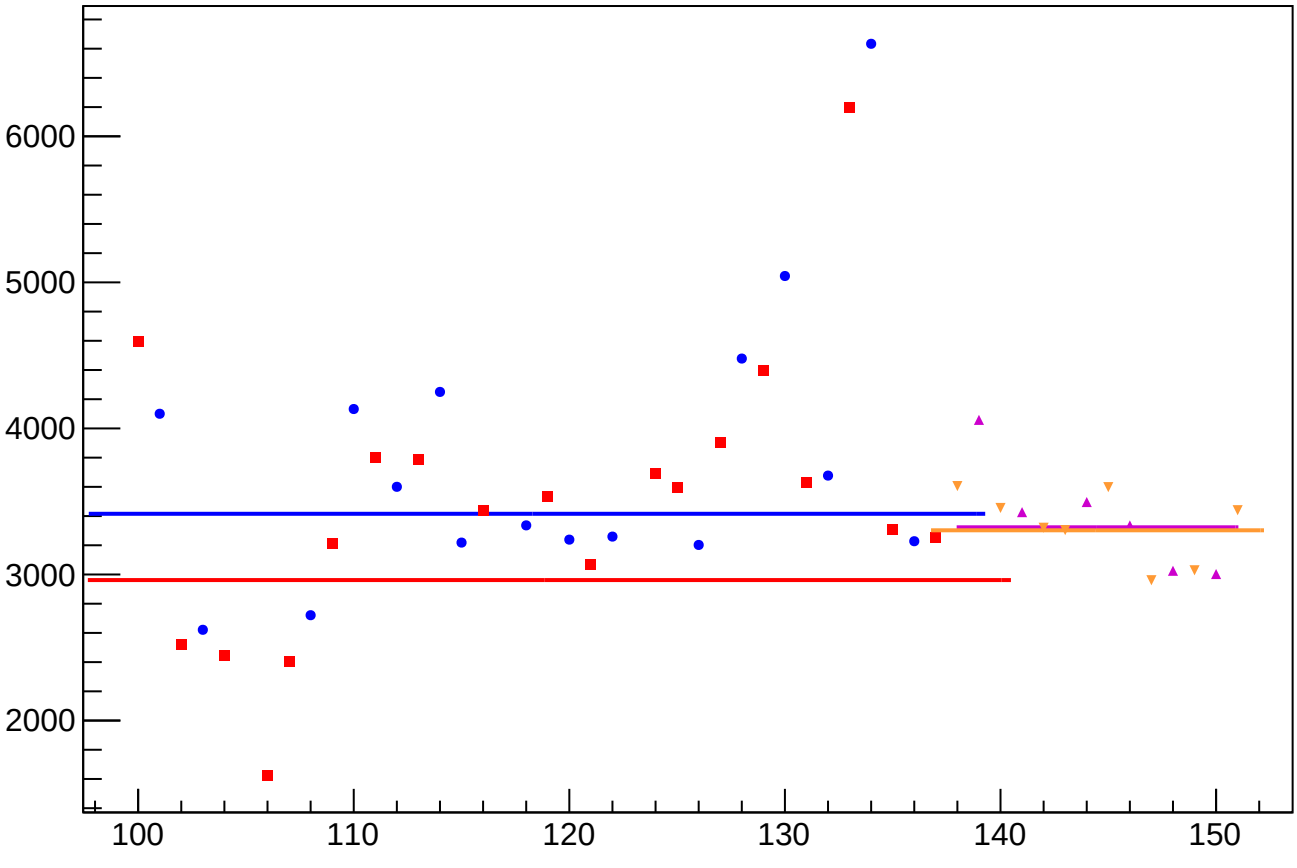
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

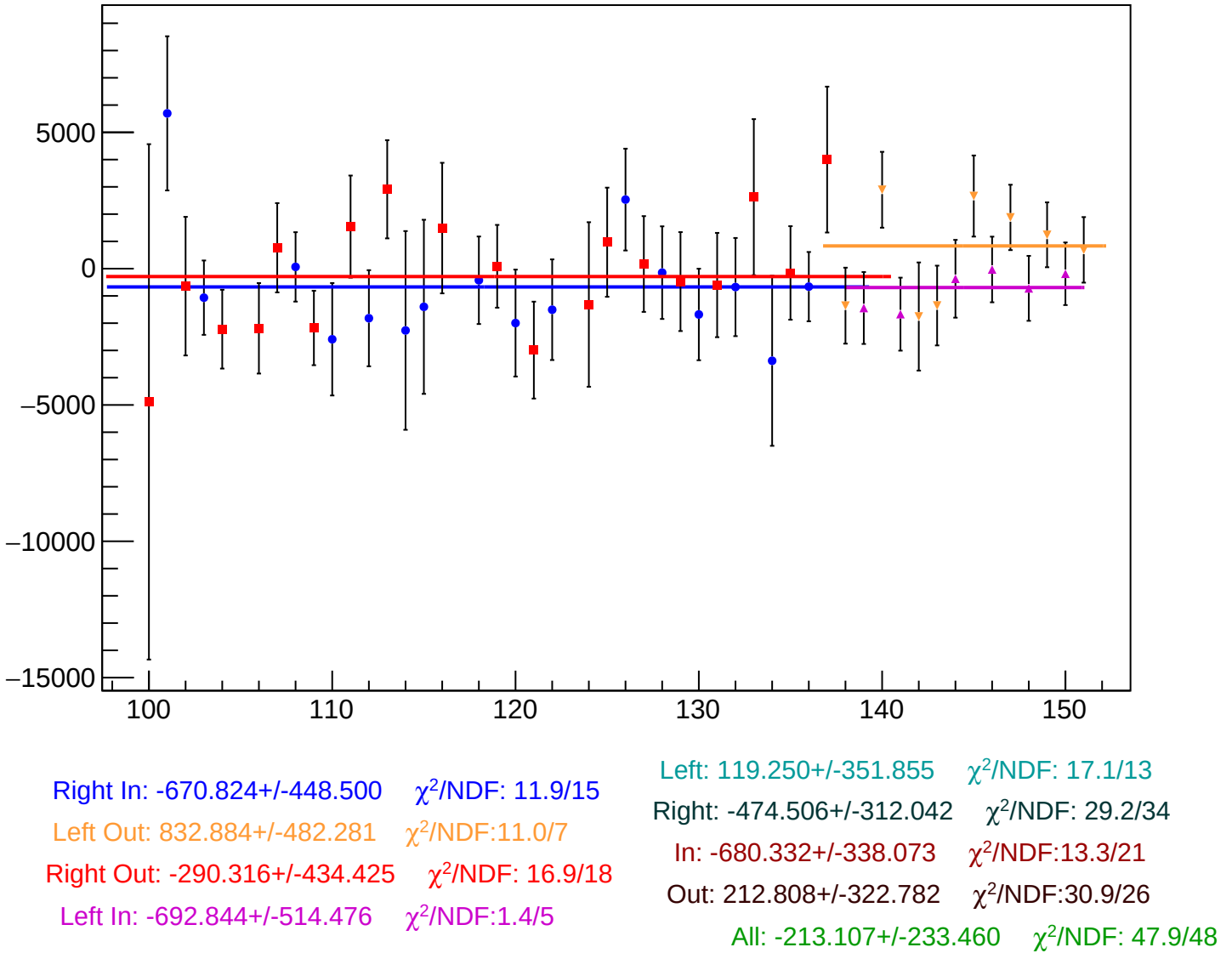
In: 1179.508+/-0.239 χ^2/NDF:685309.1/21

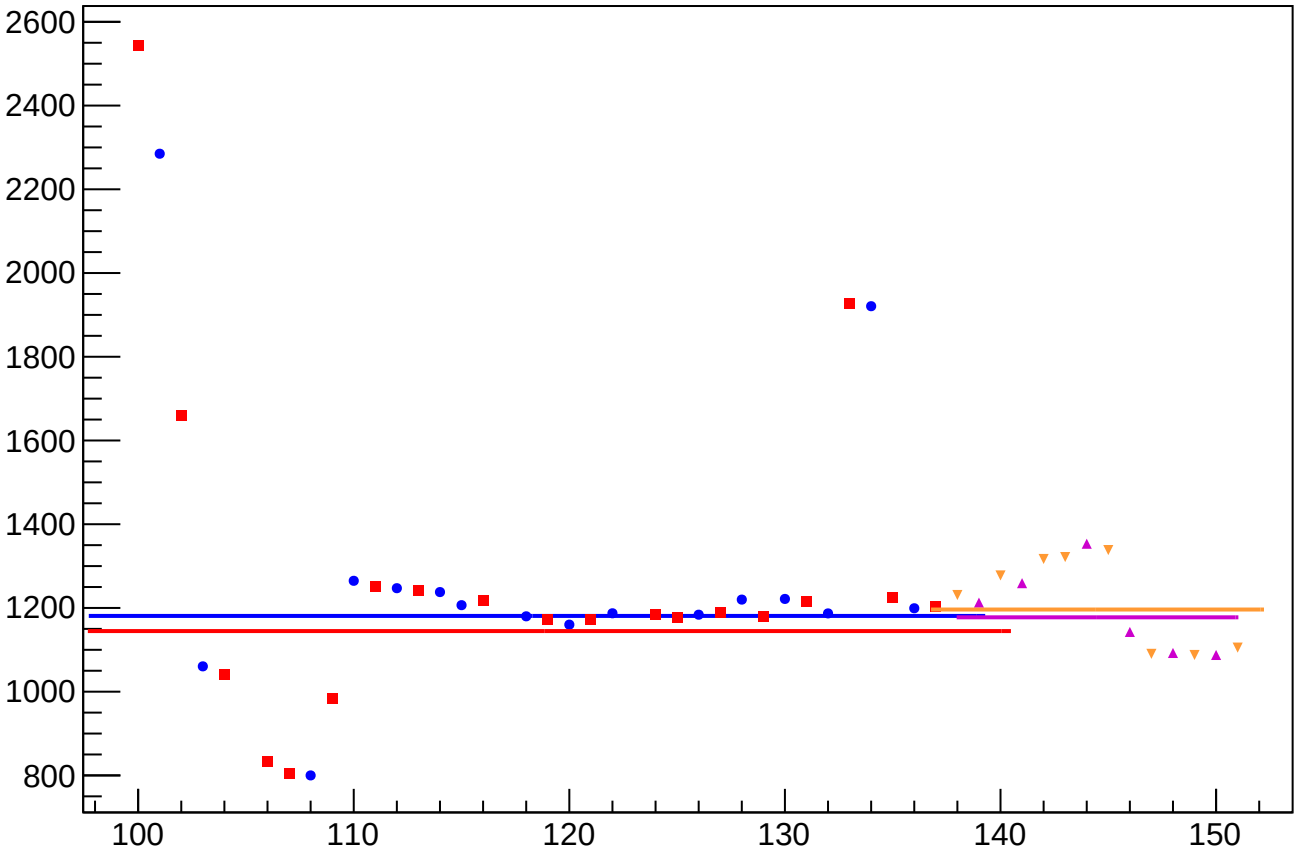
Out: 1167.818+/-0.228 χ^2/NDF:602446.2/26

All: 1173.391+/-0.165 χ^2/NDF: 1289006.6/48


asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 1021.047+/-1302.431 χ²/NDF: 13.9/15
Left Out: -2034.271+/-1337.331 χ²/NDF:6.9/7
Right Out: -30.135+/-1130.743 χ²/NDF: 16.1/18
Left In: -393.360+/-1458.721 χ²/NDF:1.5/5
Left: -1284.921+/-985.762 χ²/NDF: 9.2/13
Right: 421.650+/-853.851 χ²/NDF: 30.4/34
In: 393.648+/-971.532 χ²/NDF:15.9/21
Out: -865.616+/-863.462 χ²/NDF:24.4/26
All: -309.890+/-645.400 χ²/NDF: 41.3/48


asym_usr_atr2_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3415.595+/-0.921 χ²/NDF: 592344.0/15
Left Out: 3302.554+/-0.946 χ²/NDF:63152.4/7
Right Out: 2961.798+/-0.800 χ²/NDF: 1169257.4/18
Left In: 3323.037+/-1.031 χ²/NDF:97863.7/5
Left: 3311.908+/-0.697 χ²/NDF: 161230.4/13
Right: 3156.834+/-0.604 χ²/NDF: 1900046.9/34
In: 3374.538+/-0.687 χ²/NDF:694688.1/21
Out: 3103.852+/-0.611 χ²/NDF:1308127.7/26
All: 3223.308+/-0.456 χ²/NDF: 2089555.8/48


eigen_dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -670.824+/-448.500 χ²/NDF: 11.9/15
Left Out: 832.884+/-482.281 χ²/NDF:11.0/7
Right Out: -290.316+/-434.425 χ²/NDF: 16.9/18
Left In: -692.844+/-514.476 χ²/NDF:1.4/5
Left: 119.250+/-351.855 χ²/NDF: 17.1/13
Right: -474.506+/-312.042 χ²/NDF: 29.2/34
In: -680.332+/-338.073 χ²/NDF:13.3/21
Out: 212.808+/-322.782 χ²/NDF:30.9/26
All: -213.107+/-233.460 χ²/NDF: 47.9/48



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1196.242+/-0.341 χ^2/NDF:92137.7/7

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1177.604+/-0.364 χ^2/NDF:63381.6/5

Left: 1187.524+/-0.249 χ^2/NDF: 156916.3/13

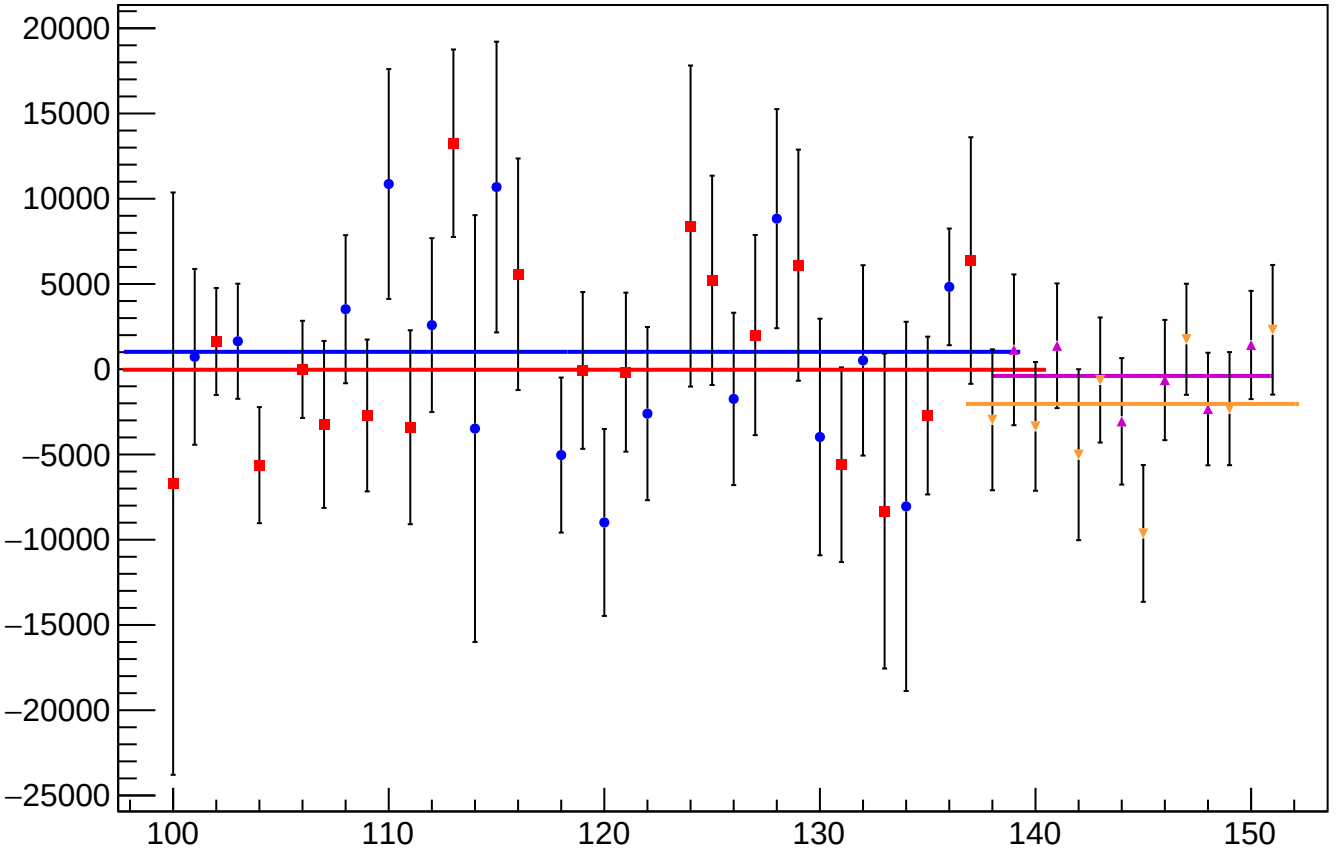
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1179.508+/-0.239 χ^2/NDF:685308.7/21

Out: 1167.818+/-0.228 χ^2/NDF:602446.0/26

All: 1173.391+/-0.165 χ^2/NDF: 1289006.0/48

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -2034.272+/-1337.333 χ^2/NDF:6.9/7

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -393.355+/-1458.723 χ^2/NDF:1.5/5

Left: -1284.920+/-985.763 χ^2/NDF: 9.2/13

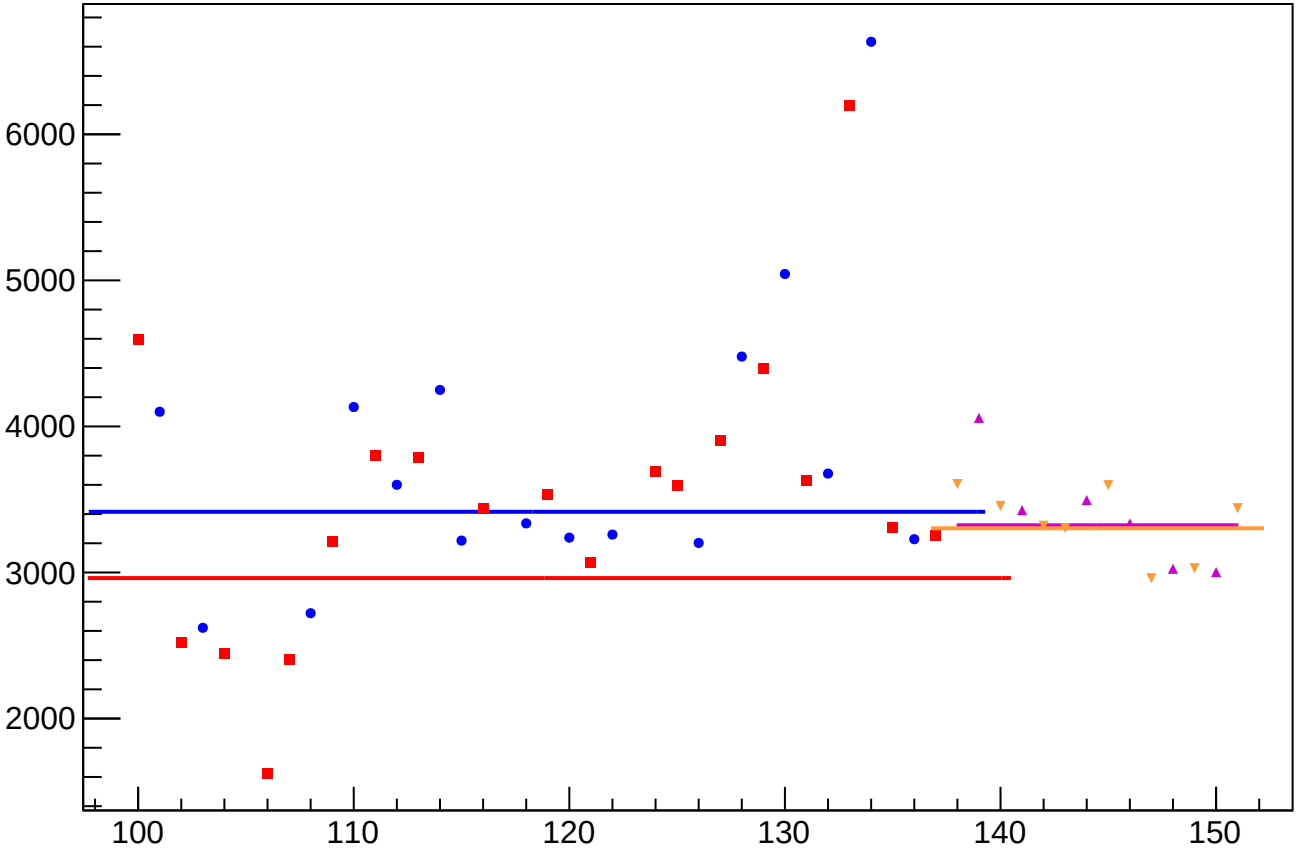
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 393.641+/-971.532 χ^2/NDF:15.9/21

Out: -865.617+/-863.462 χ^2/NDF:24.4/26

All: -309.894+/-645.400 χ^2/NDF: 41.3/48

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3302.558+/-0.946 χ^2/NDF:63151.9/7

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3323.041+/-1.031 χ^2/NDF:97863.1/5

Left: 3311.912+/-0.697 χ^2/NDF: 161229.3/13

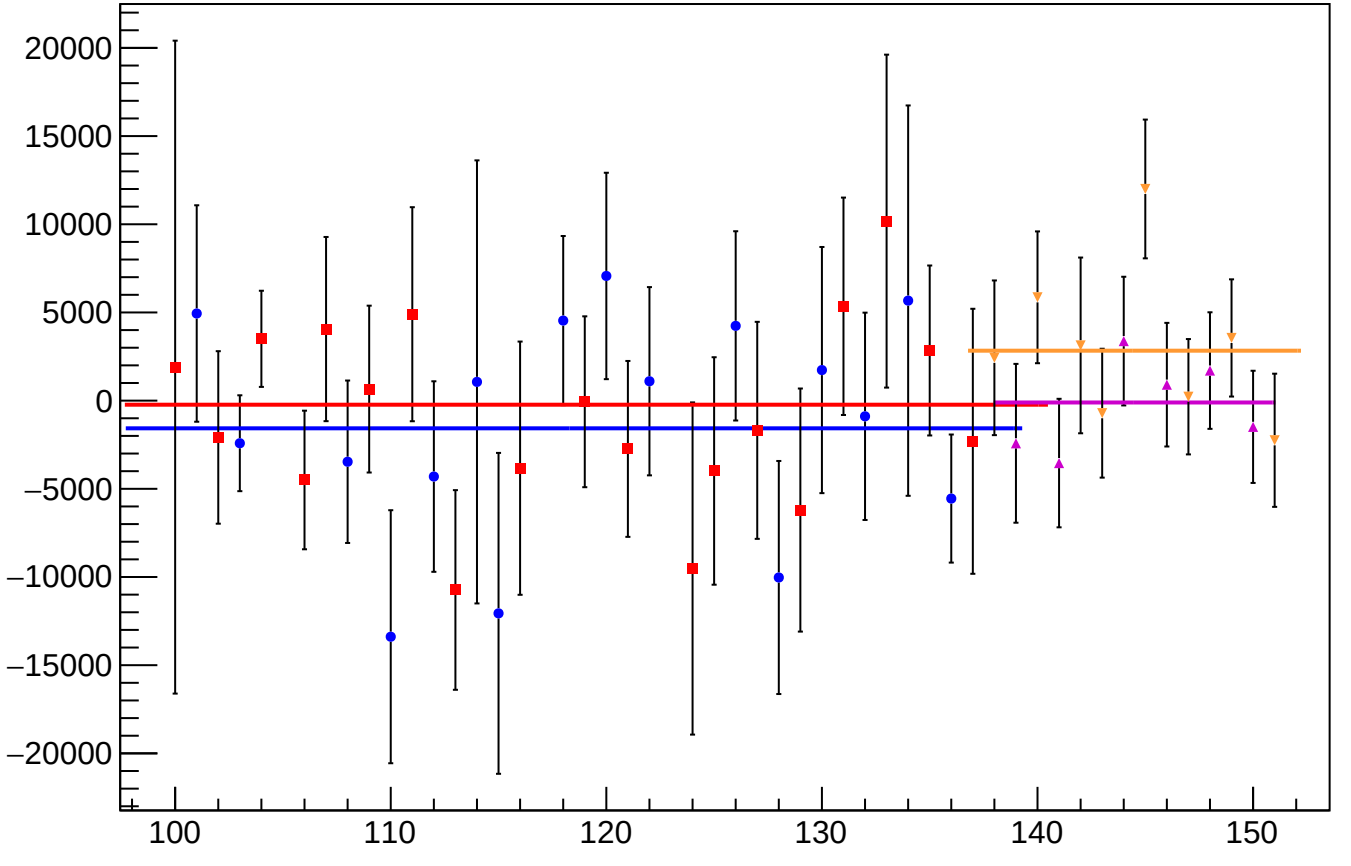
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3374.538+/-0.687 χ^2/NDF:694681.8/21

Out: 3103.850+/-0.611 χ^2/NDF:1308130.9/26

All: 3223.308+/-0.456 χ^2/NDF: 2089553.8/48

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2831.743+/-1339.153 χ^2/NDF:9.5/7

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -105.172+/-1456.078 χ^2/NDF:2.6/5

Left: 1485.922+/-985.672 χ^2/NDF: 14.4/13

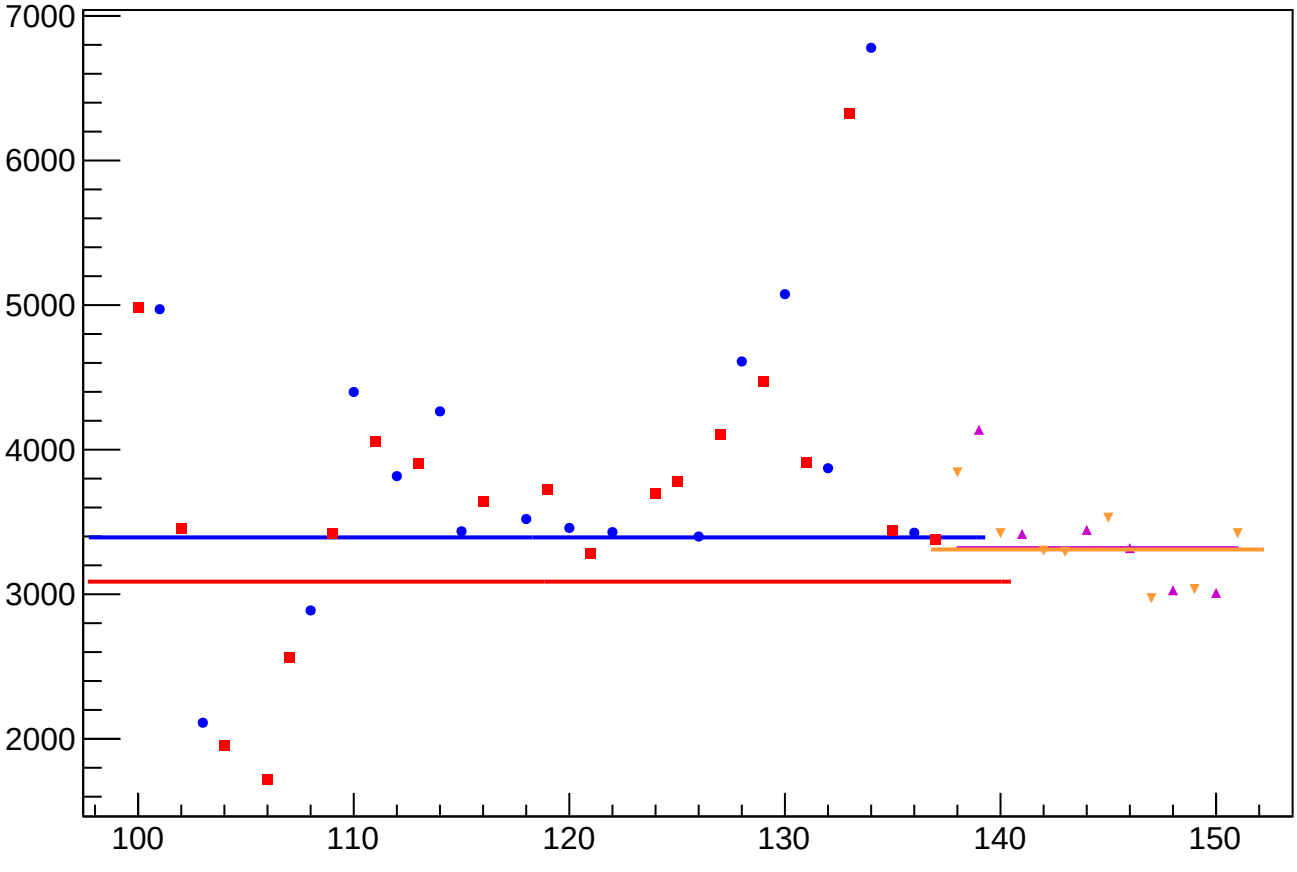
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -913.001+/-975.076 χ^2/NDF:17.7/21

Out: 1163.378+/-903.599 χ^2/NDF:25.6/26

All: 204.074+/-662.771 χ^2/NDF: 45.7/48

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3309.714+/-0.947 χ^2/NDF:74263.4/7

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3319.160+/-1.030 χ^2/NDF:104370.3/5

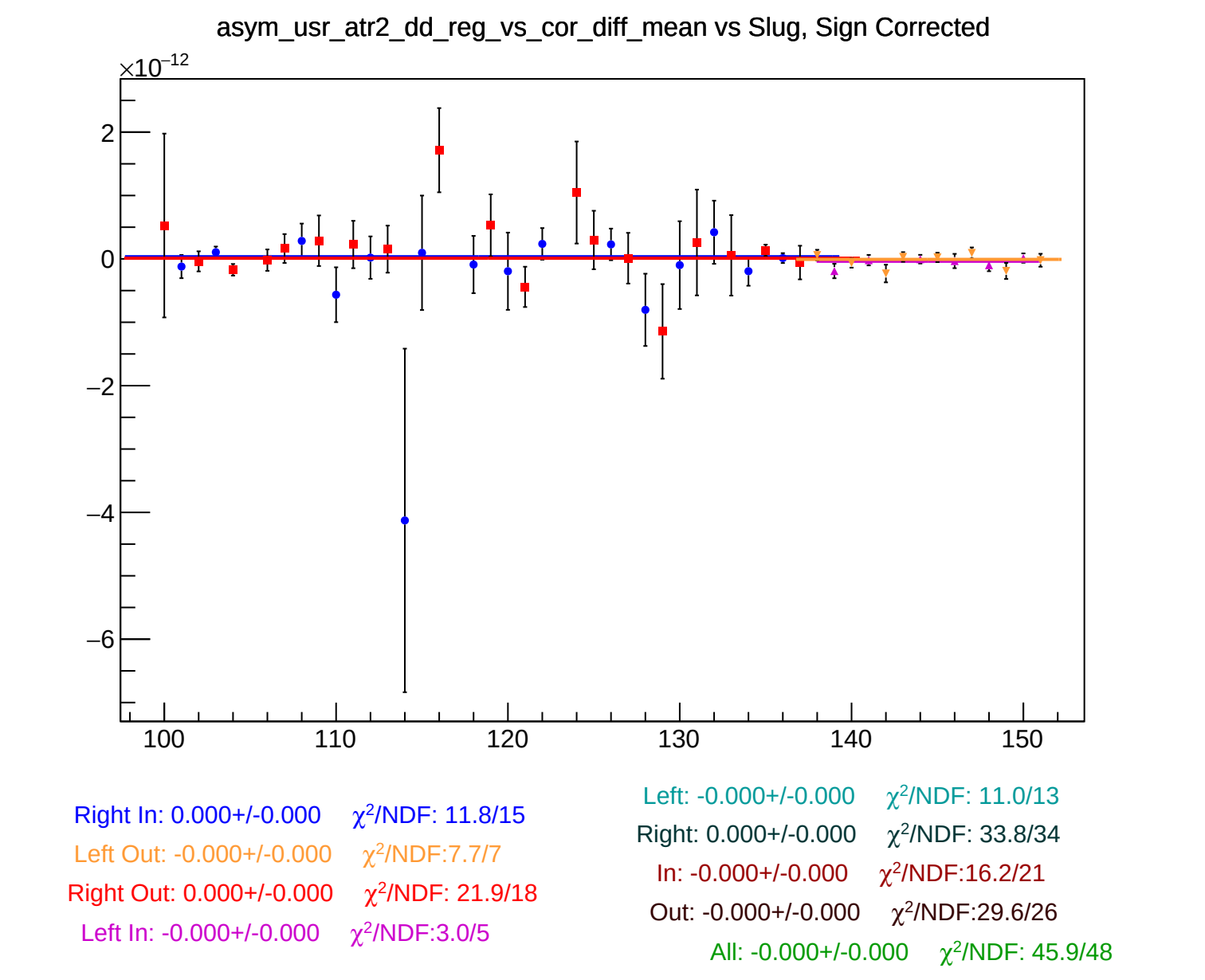
Left: 3314.042+/-0.697 χ^2/NDF: 178679.3/13

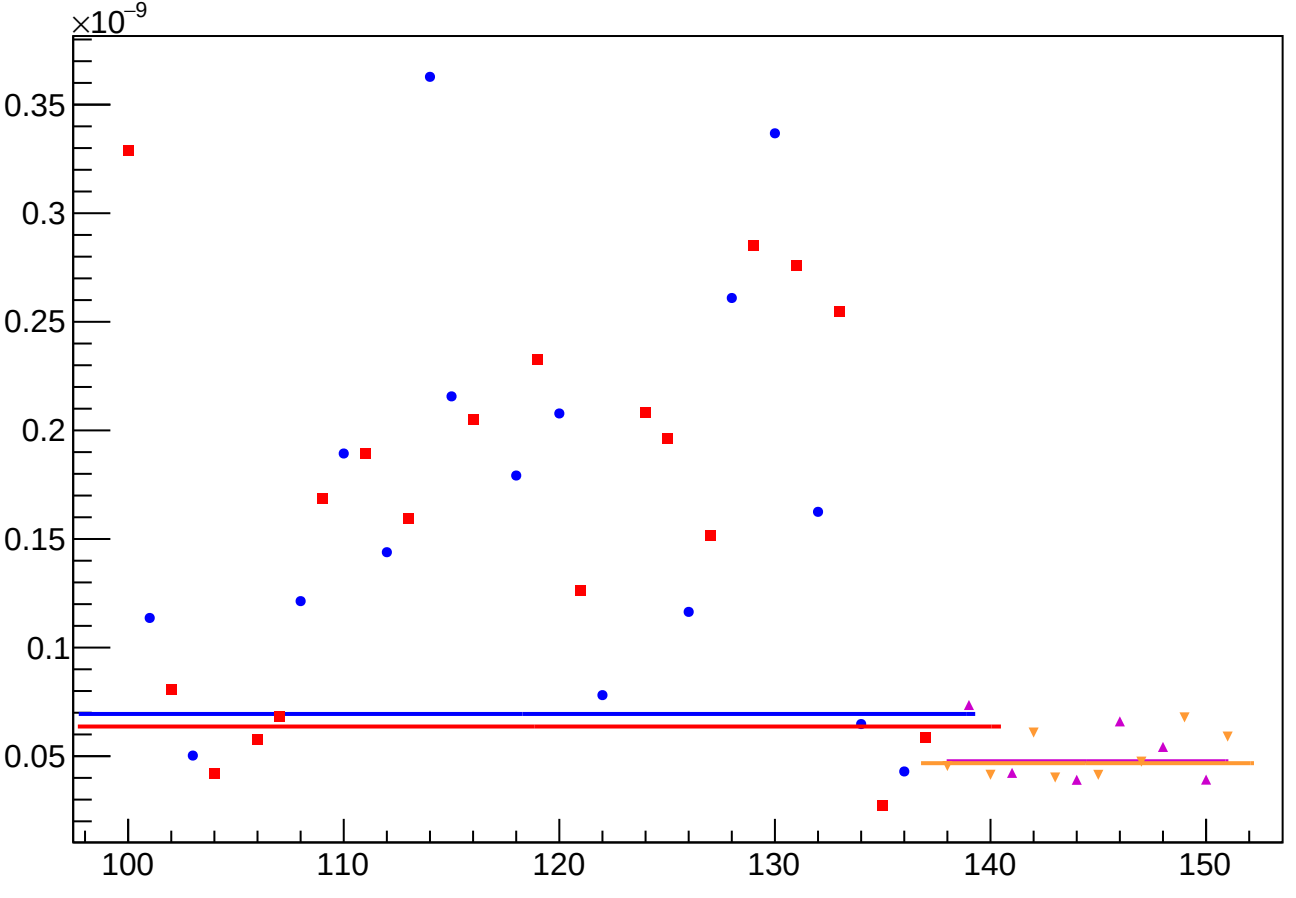
Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3360.088+/-0.689 χ^2/NDF:1155942.8/21

Out: 3186.707+/-0.633 χ^2/NDF:1433129.6/26

All: 3266.012+/-0.466 χ^2/NDF: 2623383.7/48


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:7.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/18
Left In: -0.000+/-0.000 χ²/NDF:3.0/5
Left: -0.000+/-0.000 χ²/NDF: 11.0/13
Right: 0.000+/-0.000 χ²/NDF: 33.8/34
In: -0.000+/-0.000 χ²/NDF:16.2/21
Out: -0.000+/-0.000 χ²/NDF:29.6/26
All: -0.000+/-0.000 χ²/NDF: 45.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:140998.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:231550.8/5

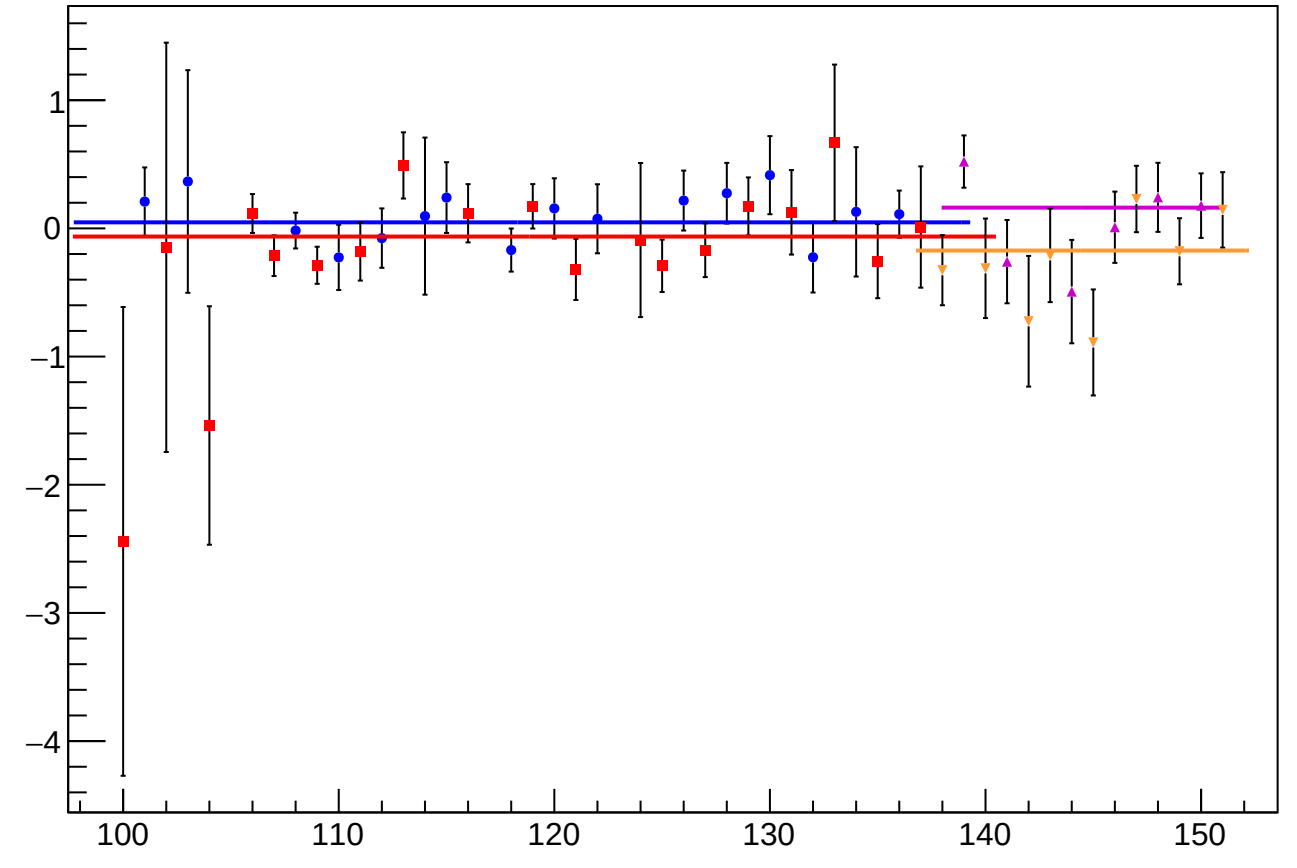
Left: 0.000+/-0.000 χ^2/NDF: 373268.1/13

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2222244.0/21

Out: 0.000+/-0.000 χ^2/NDF:2557393.1/26

All: 0.000+/-0.000 χ^2/NDF: 4795727.2/48



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.173+/-0.113 χ^2/NDF:8.2/7

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.162+/-0.110 χ^2/NDF:7.8/5

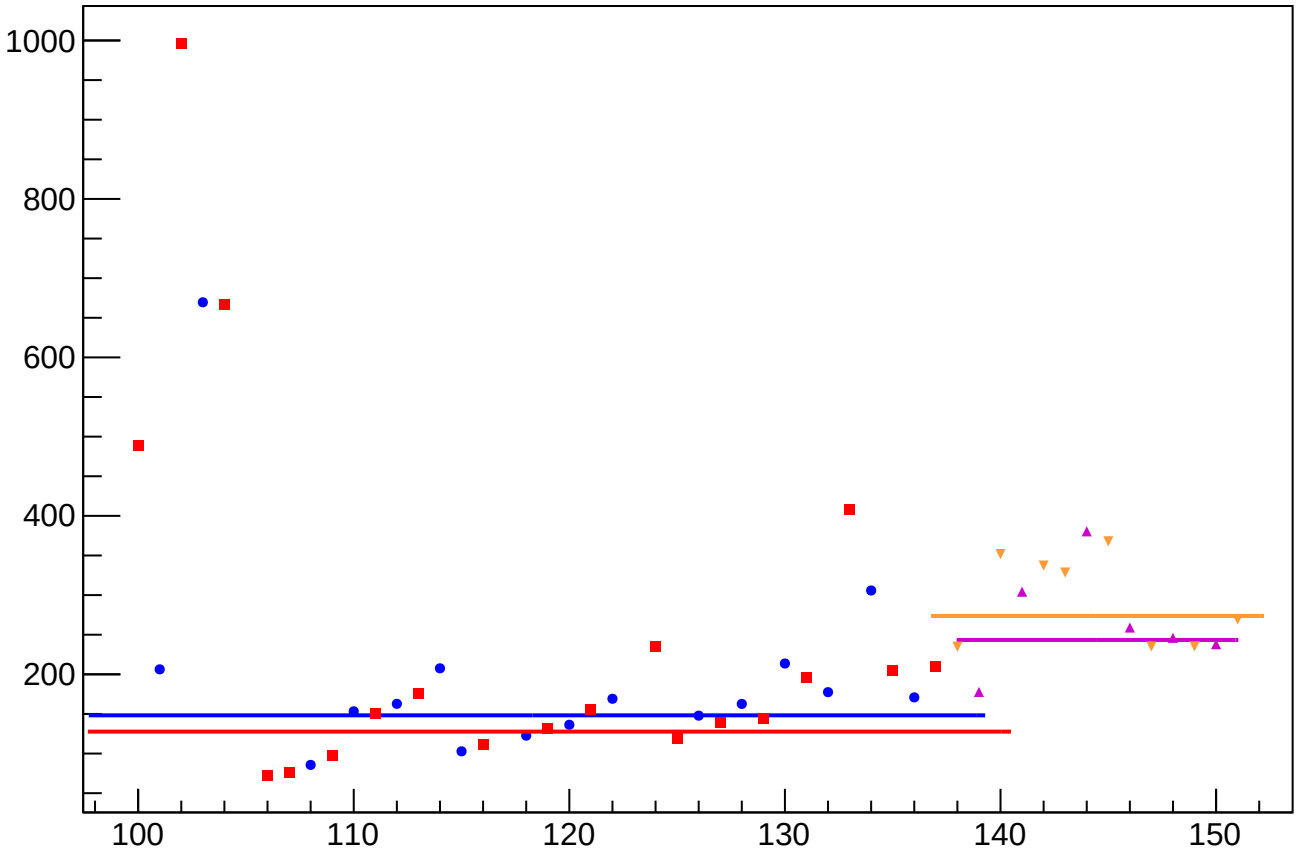
Left: -0.002+/-0.079 χ^2/NDF: 20.5/13

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.073+/-0.053 χ^2/NDF:17.2/21

Out: -0.084+/-0.049 χ^2/NDF:31.2/26

All: -0.011+/-0.036 χ^2/NDF: 53.2/48



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.670+/-0.080 χ^2/NDF:390520.7/7

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 243.371+/-0.078 χ^2/NDF:515595.7/5

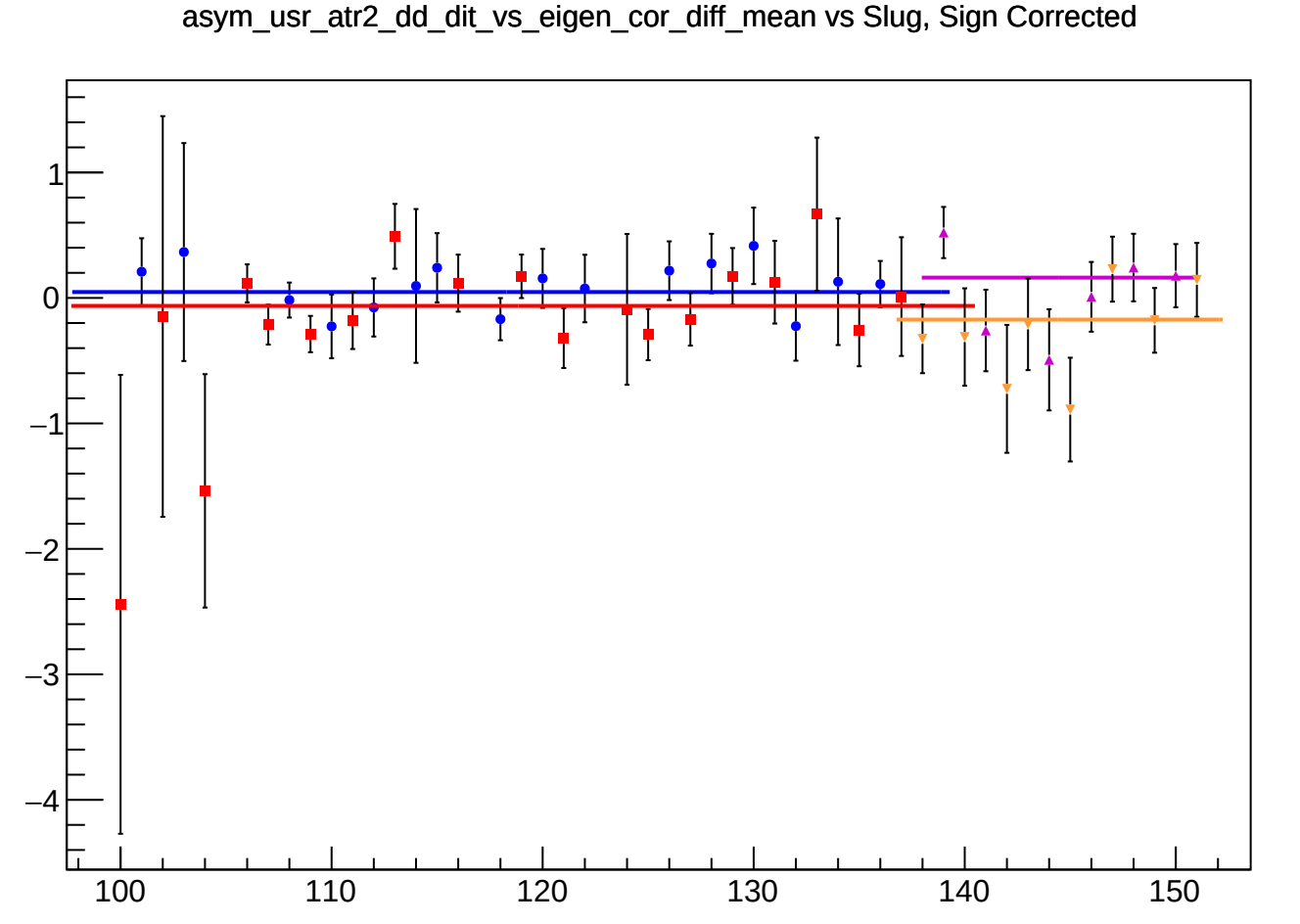
Left: 258.193+/-0.056 χ^2/NDF: 979917.1/13

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 169.972+/-0.037 χ^2/NDF:3373045.4/21

Out: 155.479+/-0.035 χ^2/NDF:5947765.7/26

All: 162.223+/-0.025 χ^2/NDF: 9401595.2/48



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.173+/-0.113 χ^2/NDF:8.2/7

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.162+/-0.110 χ^2/NDF:7.8/5

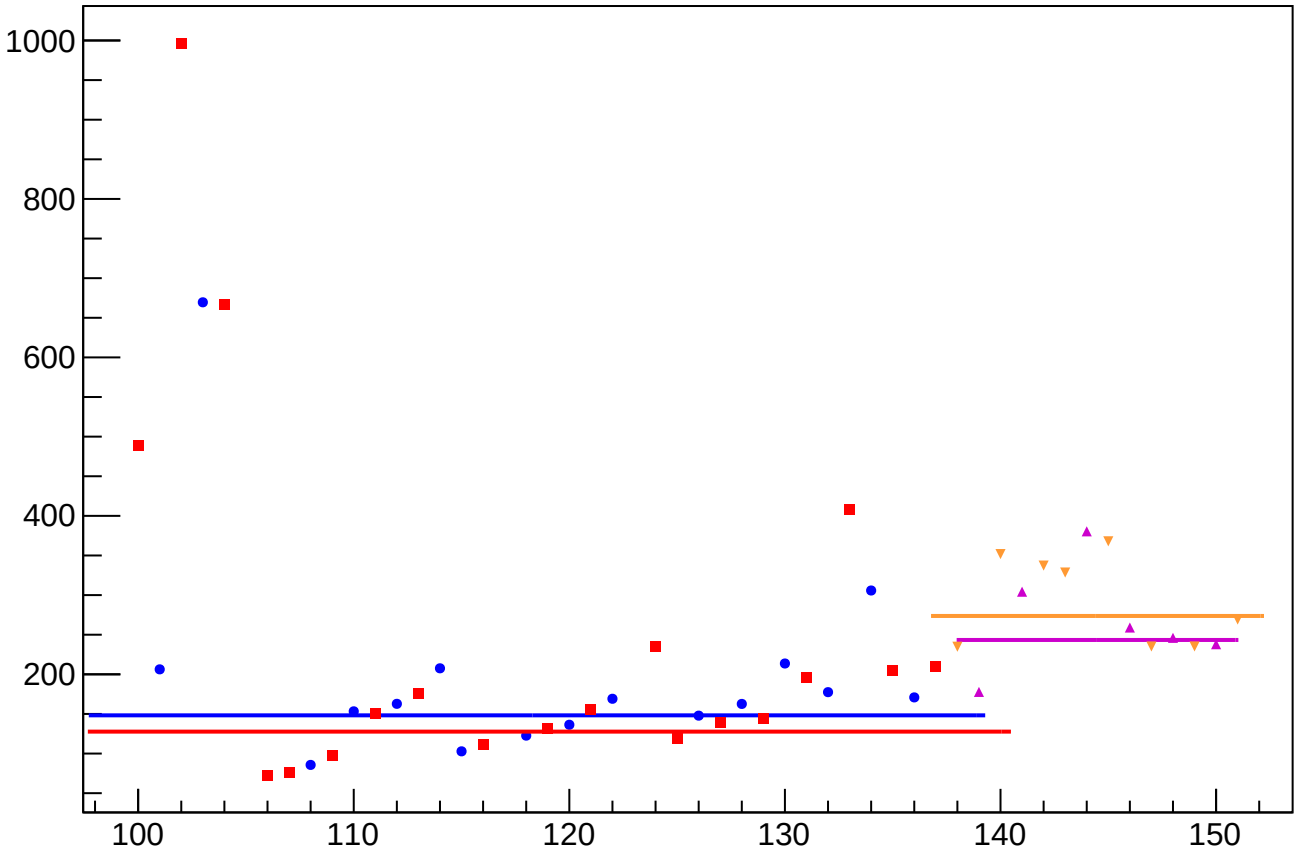
Left: -0.002+/-0.079 χ^2/NDF: 20.5/13

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.073+/-0.053 χ^2/NDF:17.2/21

Out: -0.084+/-0.049 χ^2/NDF:31.2/26

All: -0.011+/-0.036 χ^2/NDF: 53.2/48



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.670+/-0.080 χ^2/NDF:390520.7/7

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 243.371+/-0.078 χ^2/NDF:515595.7/5

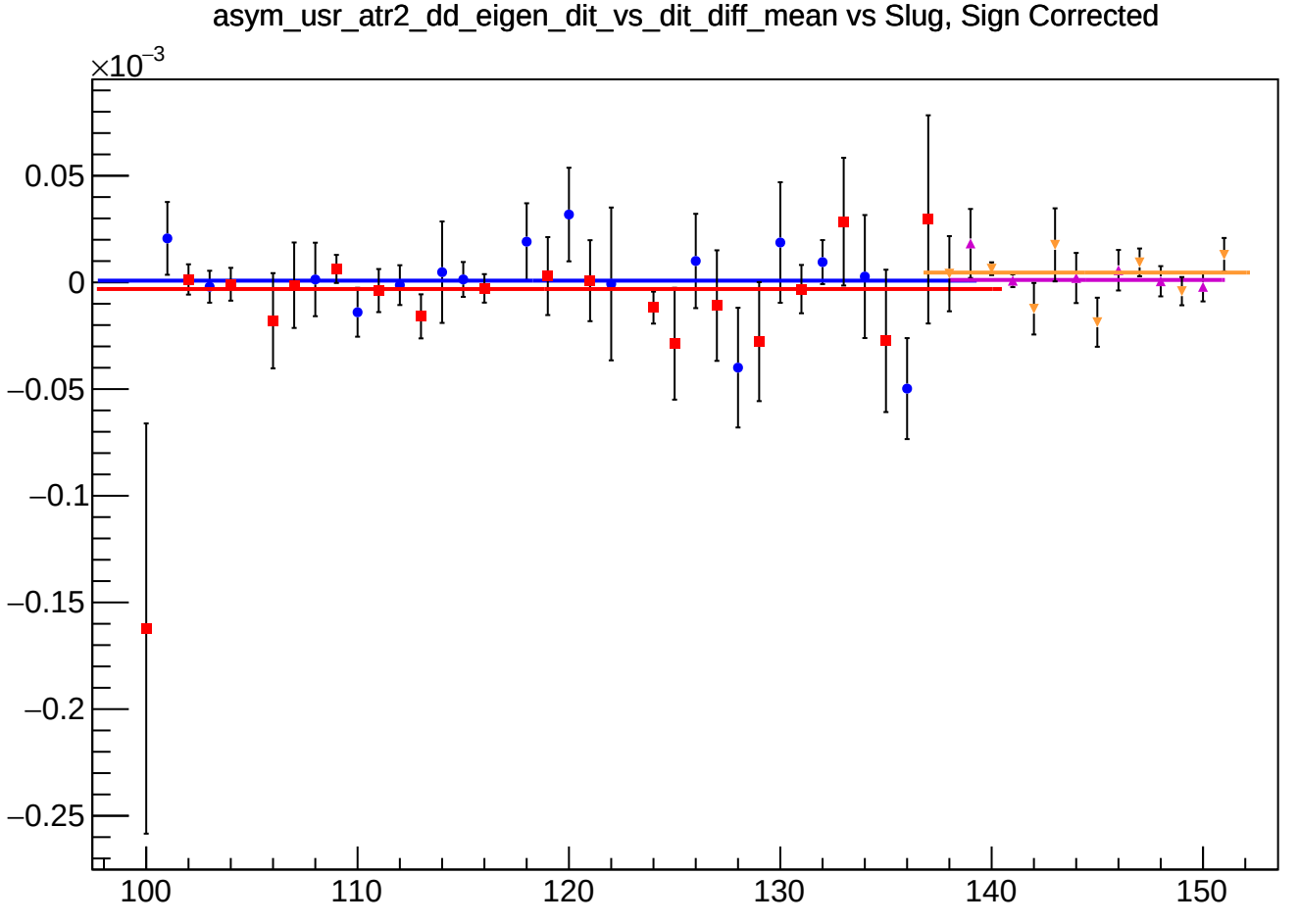
Left: 258.193+/-0.056 χ^2/NDF: 979917.1/13

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 169.972+/-0.037 χ^2/NDF:3373045.4/21

Out: 155.479+/-0.035 χ^2/NDF:5947765.7/26

All: 162.223+/-0.025 χ^2/NDF: 9401595.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/5

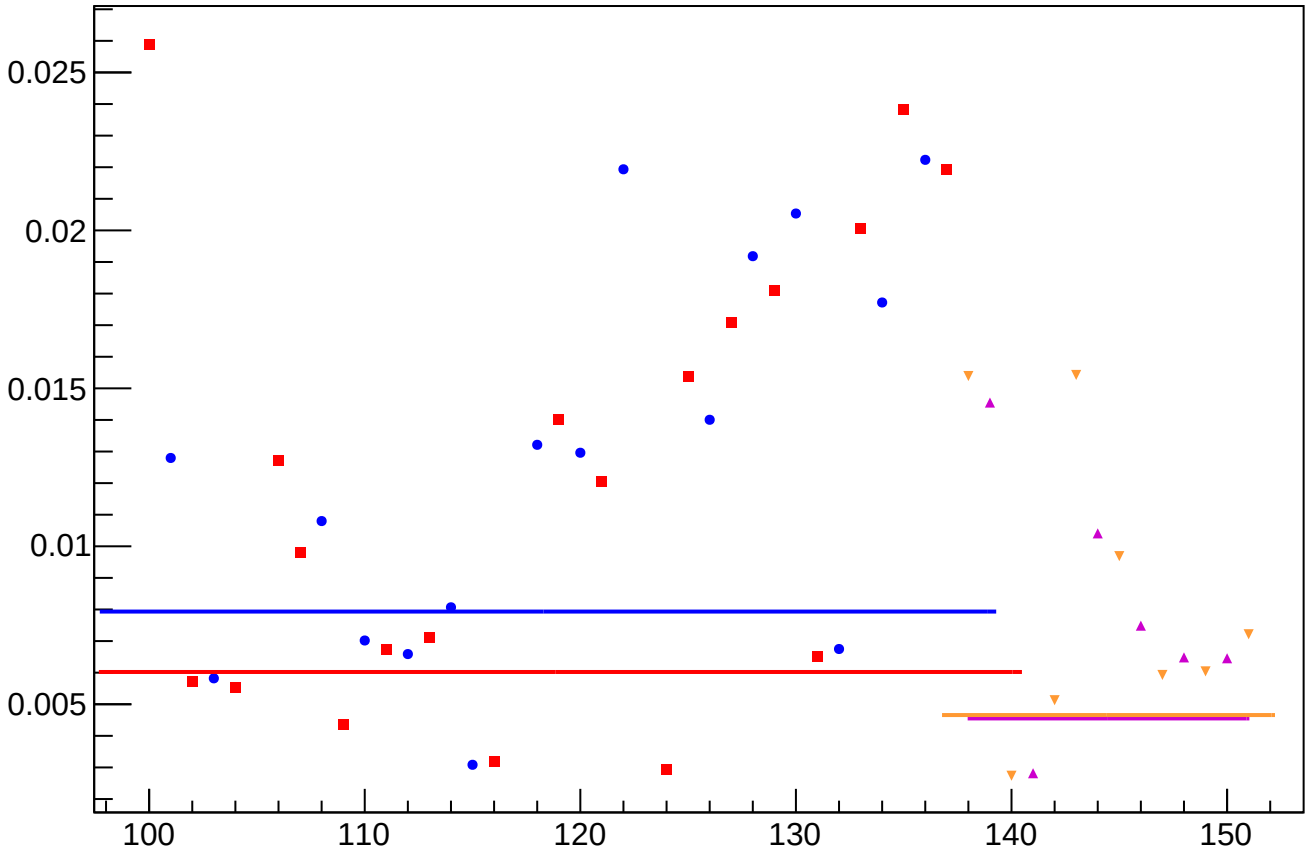
Left: 0.000+/-0.000 χ^2/NDF: 13.1/13

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:15.9/21

Out: 0.000+/-0.000 χ^2/NDF:28.0/26

All: 0.000+/-0.000 χ^2/NDF: 43.9/48



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3116875.2/7

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2426687.3/5

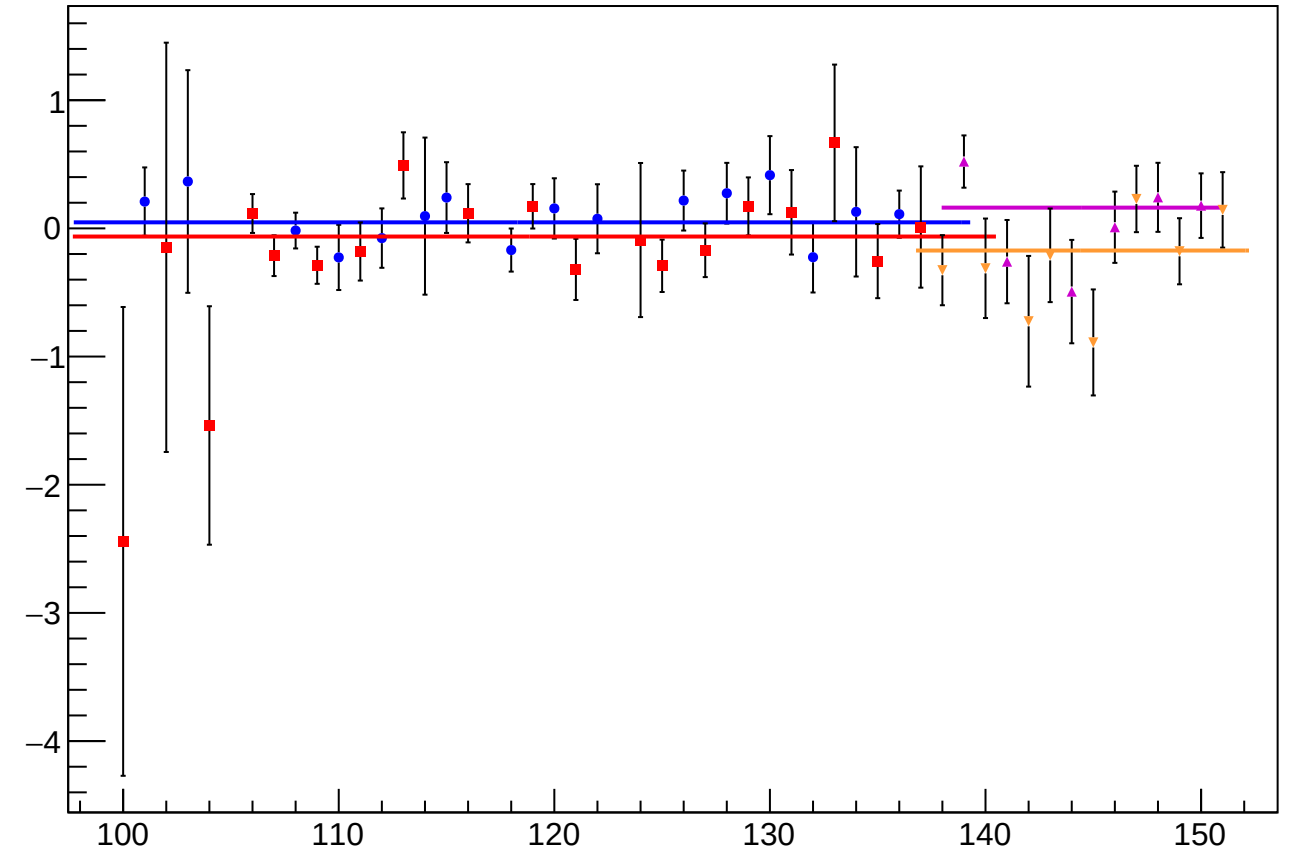
Left: 0.005+/-0.000 χ^2/NDF: 5545683.9/13

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7296937.0/21

Out: 0.005+/-0.000 χ^2/NDF:7434790.0/26

All: 0.005+/-0.000 χ^2/NDF: 14780626.8/48



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.173+/-0.113 χ^2/NDF:8.2/7

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.162+/-0.110 χ^2/NDF:7.8/5

Left: -0.002+/-0.079 χ^2/NDF: 20.5/13

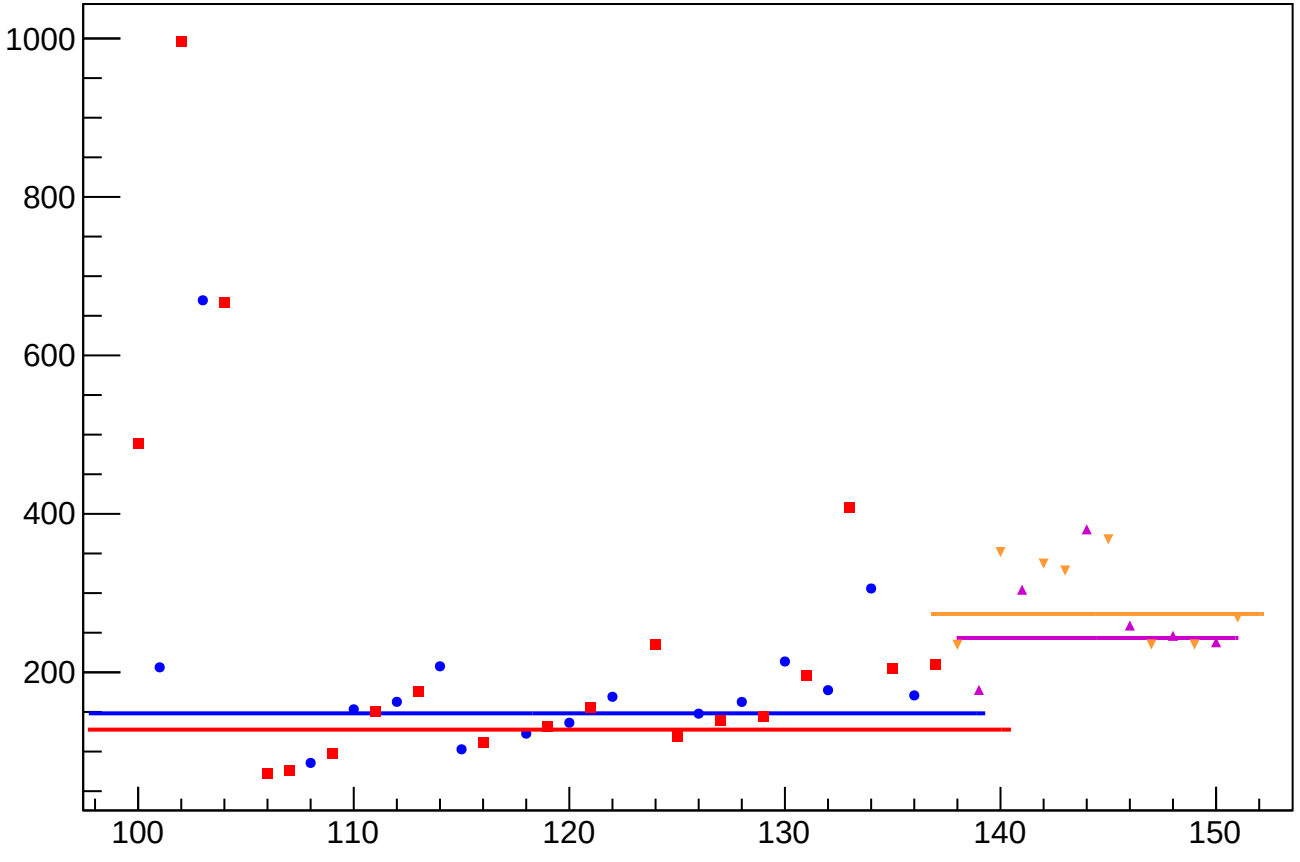
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.073+/-0.053 χ^2/NDF:17.2/21

Out: -0.084+/-0.049 χ^2/NDF:31.2/26

All: -0.011+/-0.036 χ^2/NDF: 53.2/48

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.674+/-0.080 χ^2/NDF:390498.2/7

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 243.375+/-0.078 χ^2/NDF:515573.6/5

Left: 258.197+/-0.056 χ^2/NDF: 979870.8/13

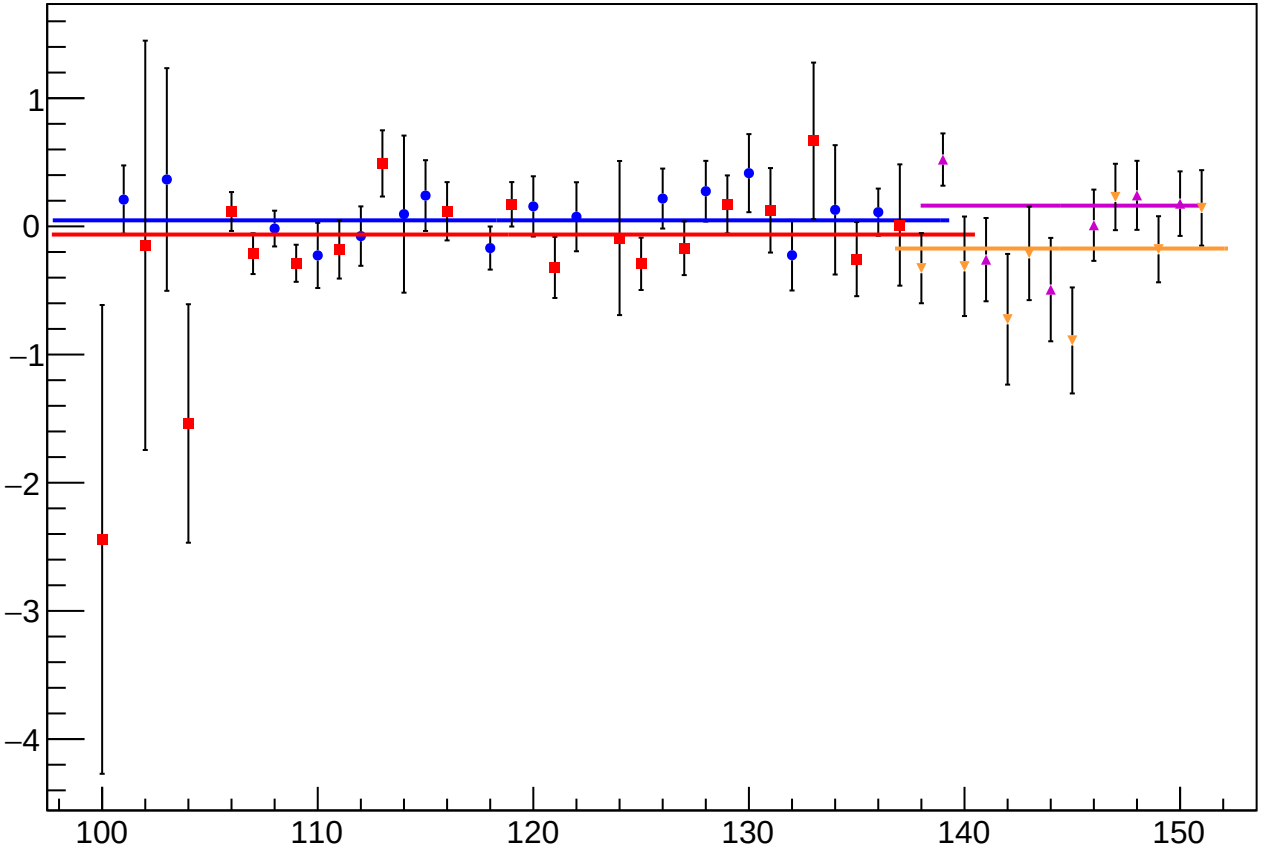
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 169.970+/-0.037 χ^2/NDF:3373233.0/21

Out: 155.480+/-0.035 χ^2/NDF:5947818.3/26

All: 162.222+/-0.025 χ^2/NDF: 9401811.7/48

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: -0.173+/-0.113 χ^2/NDF:8.2/7

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.162+/-0.110 χ^2/NDF:7.8/5

Left: -0.002+/-0.079 χ^2/NDF: 20.5/13

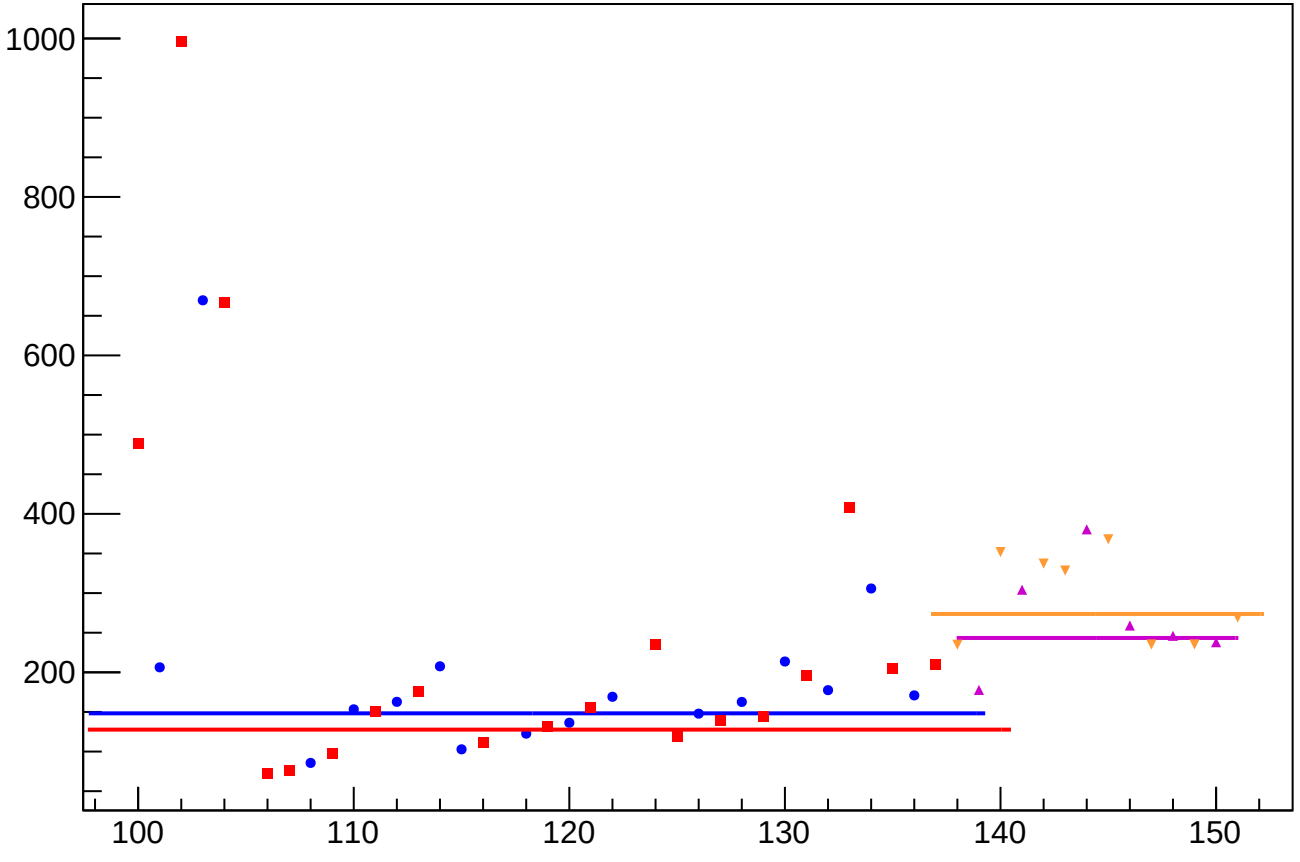
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.073+/-0.053 χ^2/NDF:17.2/21

Out: -0.084+/-0.049 χ^2/NDF:31.2/26

All: -0.011+/-0.036 χ^2/NDF: 53.2/48

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.674+/-0.080 χ^2/NDF:390498.2/7

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 243.375+/-0.078 χ^2/NDF:515573.6/5

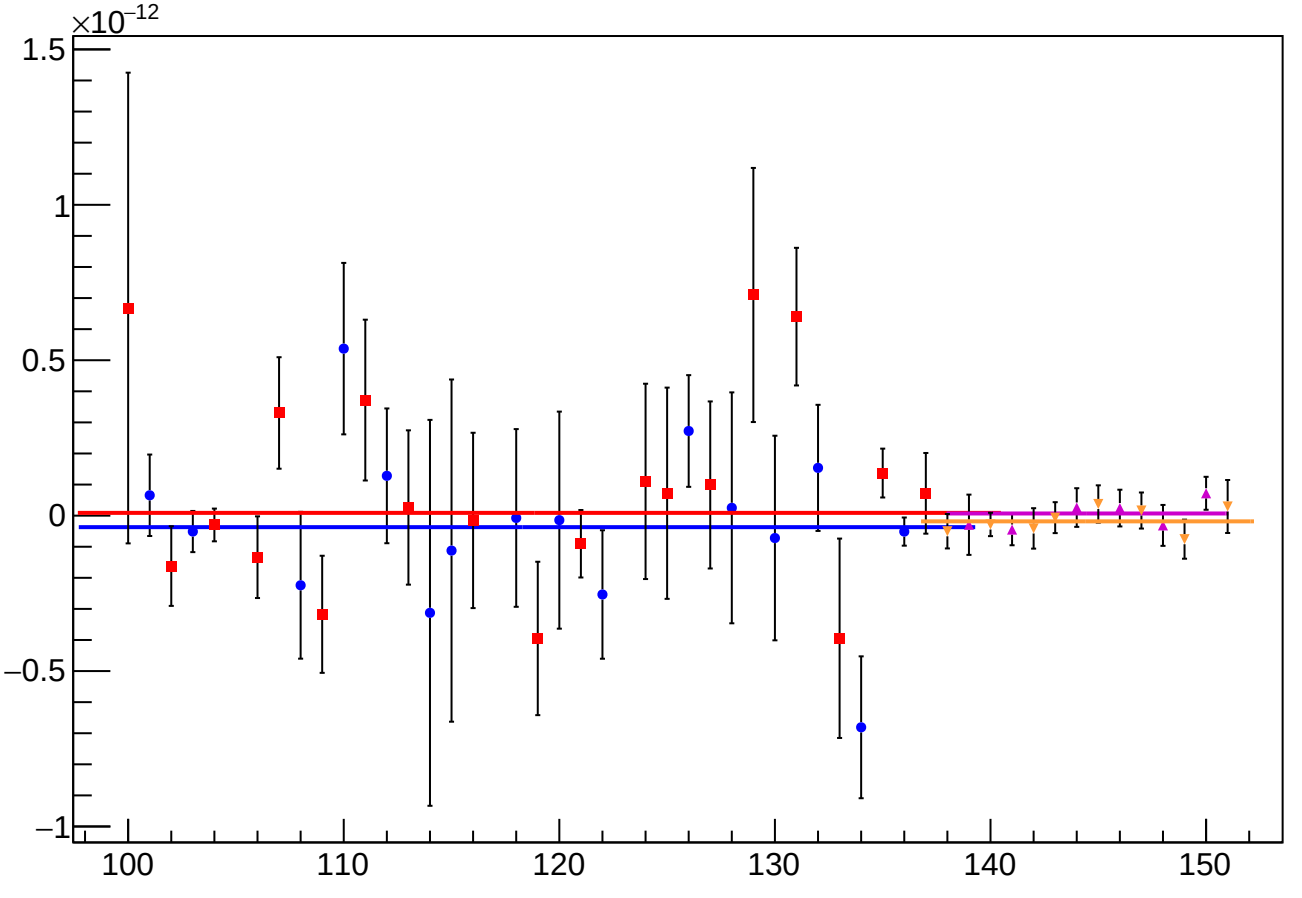
Left: 258.197+/-0.056 χ^2/NDF: 979870.8/13

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 169.970+/-0.037 χ^2/NDF:3373233.0/21

Out: 155.480+/-0.035 χ^2/NDF:5947818.3/26

All: 162.222+/-0.025 χ^2/NDF: 9401811.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/5

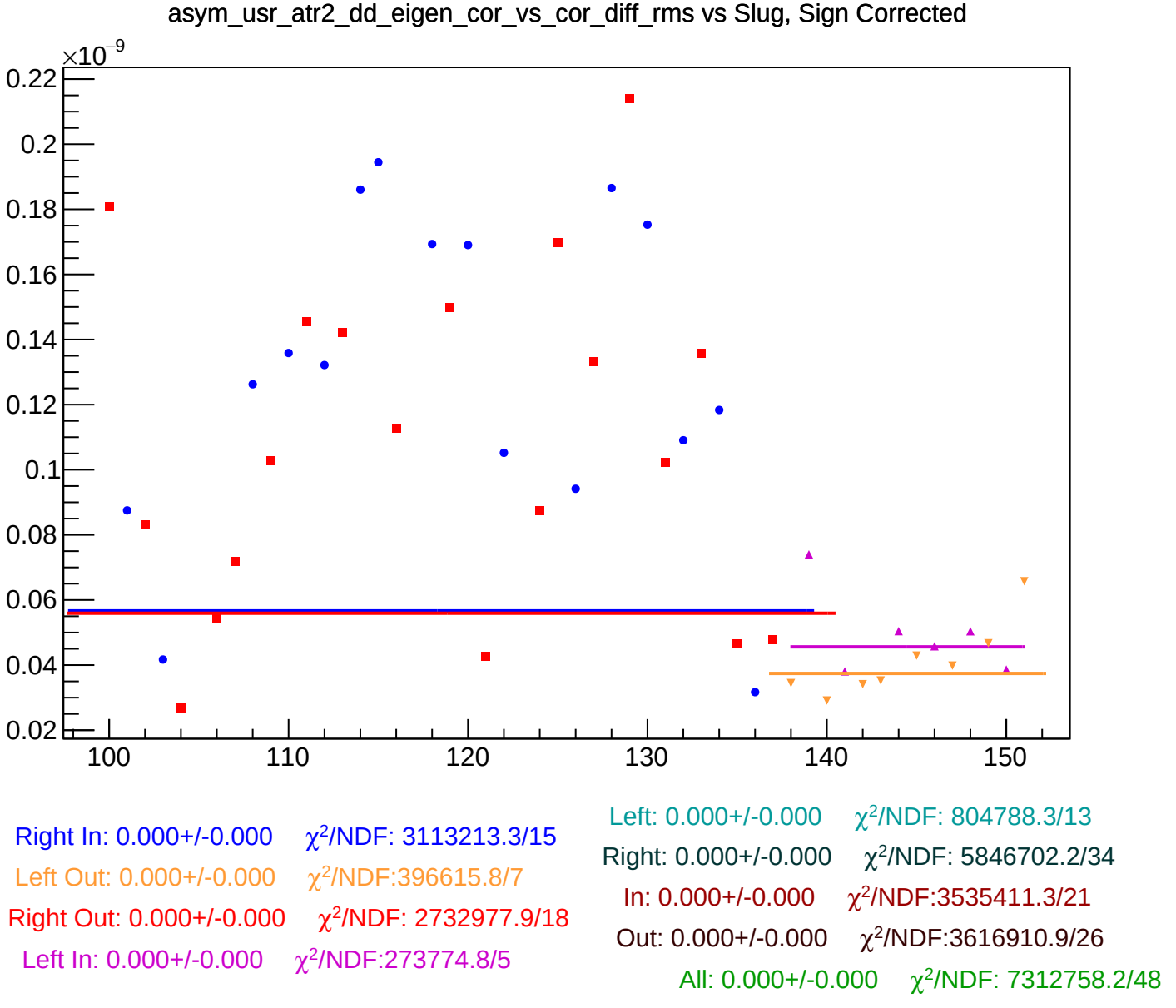
Left: -0.000+/-0.000 χ^2/NDF: 6.8/13

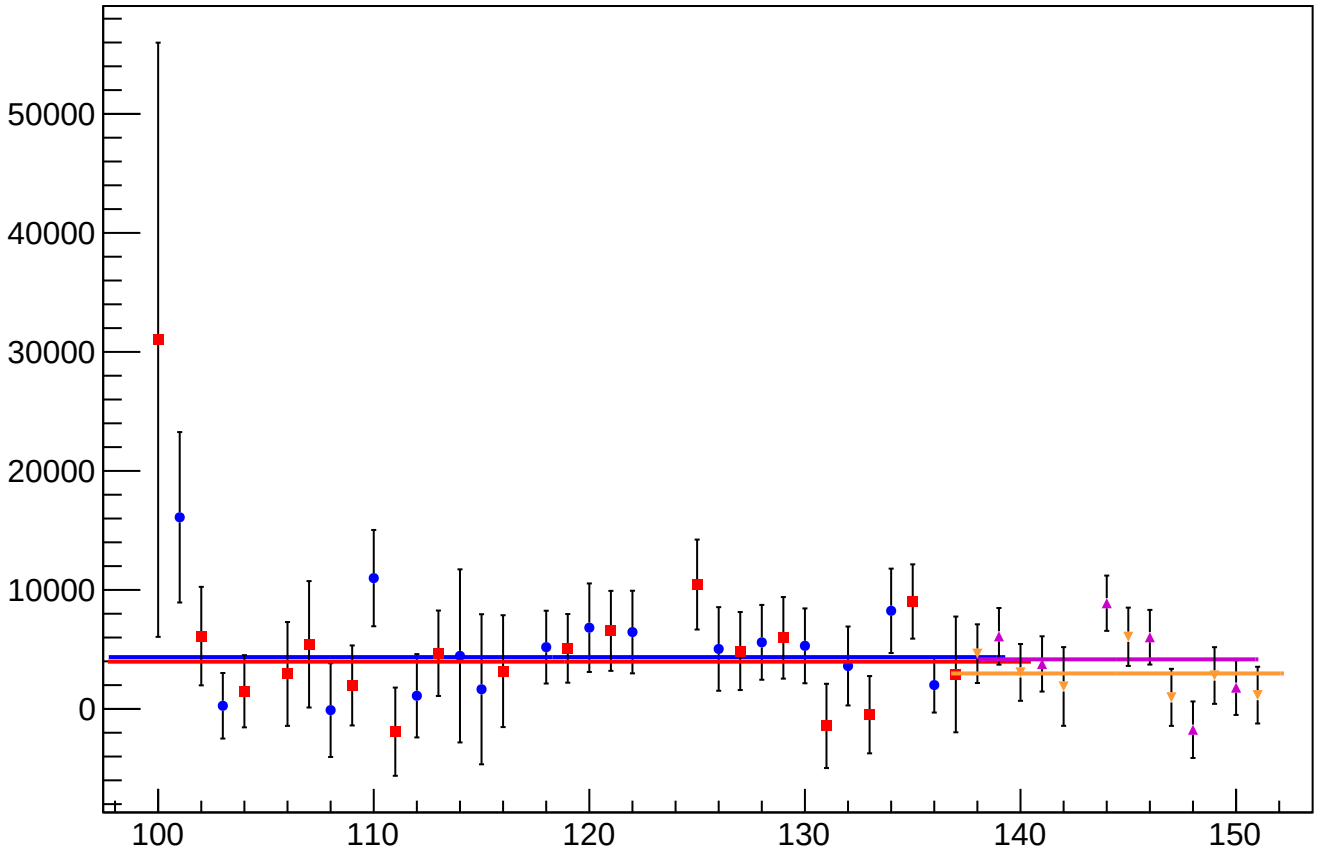
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:23.9/21

Out: -0.000+/-0.000 χ^2/NDF:35.3/26

All: -0.000+/-0.000 χ^2/NDF: 59.1/48


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
150
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:396615.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:273774.8/5
Left: 0.000+/-0.000 χ²/NDF: 804788.3/13
Right: 0.000+/-0.000 χ²/NDF: 5846702.2/34
In: 0.000+/-0.000 χ²/NDF:3535411.3/21
Out: 0.000+/-0.000 χ²/NDF:3616910.9/26
All: 0.000+/-0.000 χ²/NDF: 7312758.2/48



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 2982.253+/-942.910 χ^2/NDF:3.4/6

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4165.933+/-951.736 χ^2/NDF:12.7/5

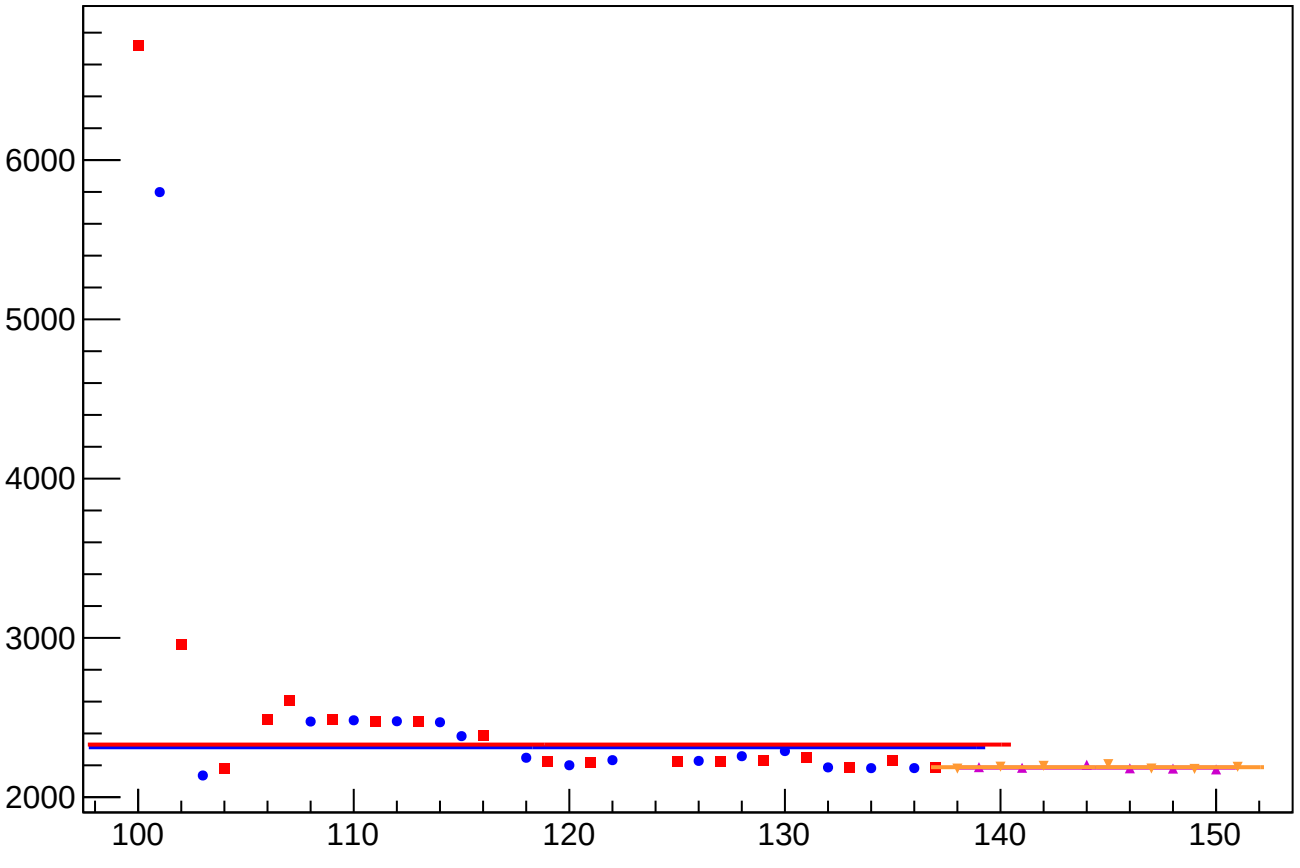
Left: 3568.579+/-669.837 χ^2/NDF: 17.0/12

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4268.026+/-644.203 χ^2/NDF:26.1/21

Out: 3515.957+/-639.924 χ^2/NDF:20.2/24

All: 3889.486+/-454.000 χ^2/NDF: 47.0/46



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.232+/-0.667 χ^2/NDF:231.7/6

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2185.331+/-0.673 χ^2/NDF:192.9/5

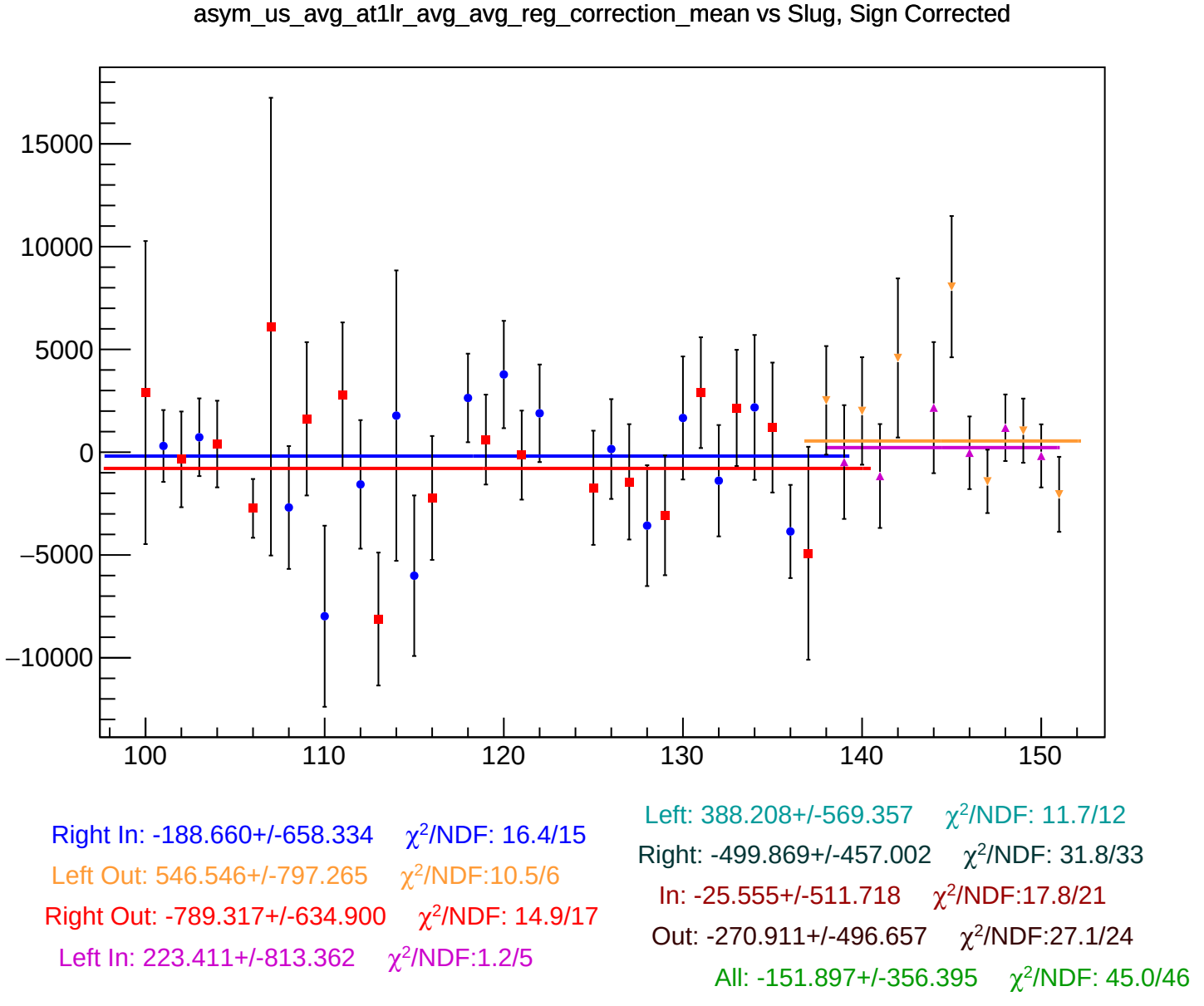
Left: 2186.795+/-0.474 χ^2/NDF: 433.9/12

Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

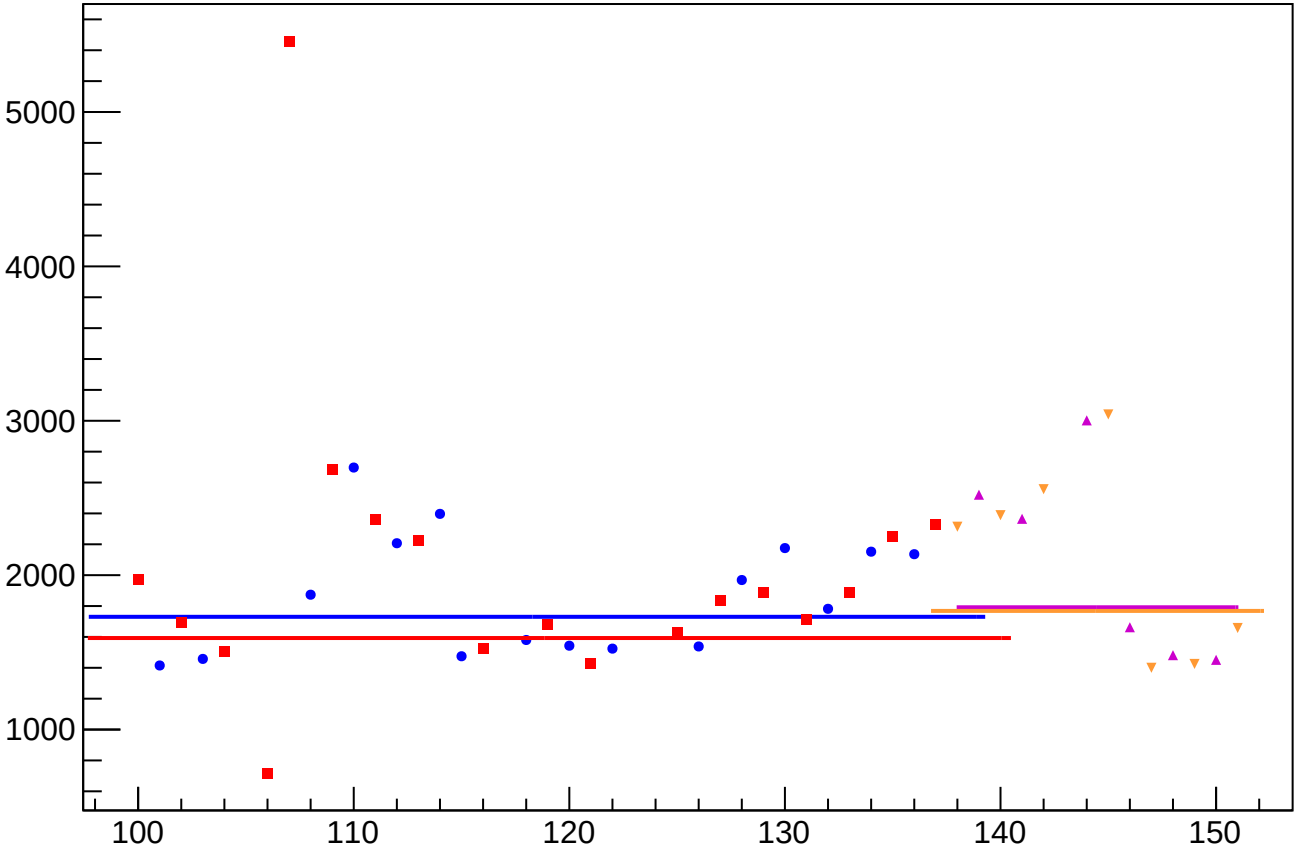
In: 2254.732+/-0.456 χ^2/NDF:532191.6/21

Out: 2264.811+/-0.452 χ^2/NDF:175898.4/24

All: 2259.805+/-0.321 χ^2/NDF: 708336.5/46


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: 546.546+/-797.265 χ²/NDF:10.5/6
Right Out: -789.317+/-634.900 χ²/NDF: 14.9/17
Left In: 223.411+/-813.362 χ²/NDF:1.2/5
Left: 388.208+/-569.357 χ²/NDF: 11.7/12
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: -25.555+/-511.718 χ²/NDF:17.8/21
Out: -270.911+/-496.657 χ²/NDF:27.1/24
All: -151.897+/-356.395 χ²/NDF: 45.0/46

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: 1768.441+/-0.564 χ^2/NDF:773649.9/6

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1791.988+/-0.575 χ^2/NDF:712421.9/5

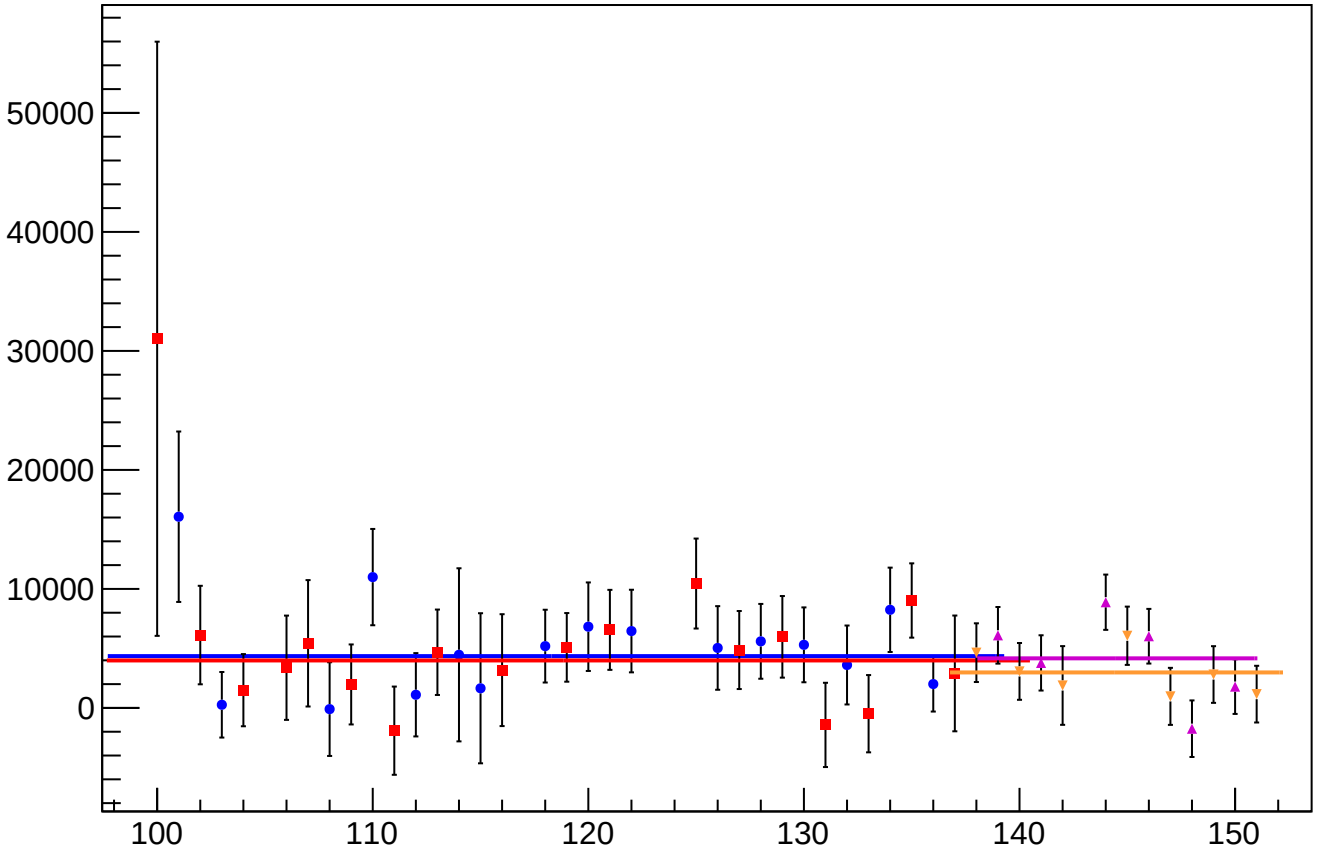
Left: 1779.979+/-0.403 χ^2/NDF: 1486926.7/12

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1754.710+/-0.362 χ^2/NDF:1198307.5/21

Out: 1660.975+/-0.351 χ^2/NDF:2389237.1/24

All: 1706.443+/-0.252 χ^2/NDF: 3622100.2/46



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 2982.063+/-942.910 χ^2/NDF:3.4/6

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4166.255+/-951.736 χ^2/NDF:12.7/5

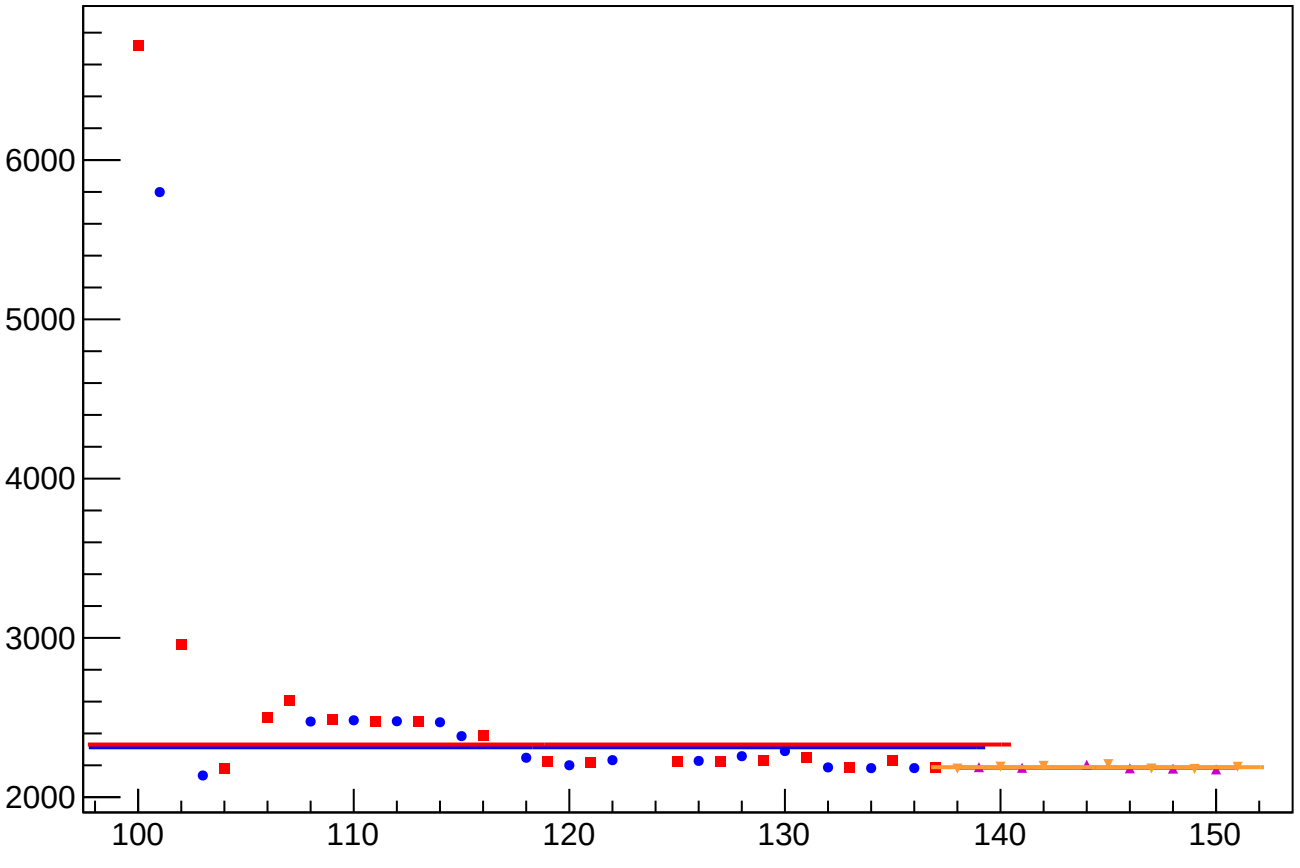
Left: 3568.643+/-669.837 χ^2/NDF: 17.0/12

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4267.805+/-644.203 χ^2/NDF:26.1/21

Out: 3525.603+/-639.984 χ^2/NDF:20.2/24

All: 3894.266+/-454.021 χ^2/NDF: 47.0/46



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.232+/-0.667 χ^2/NDF:231.7/6

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2185.331+/-0.673 χ^2/NDF:192.9/5

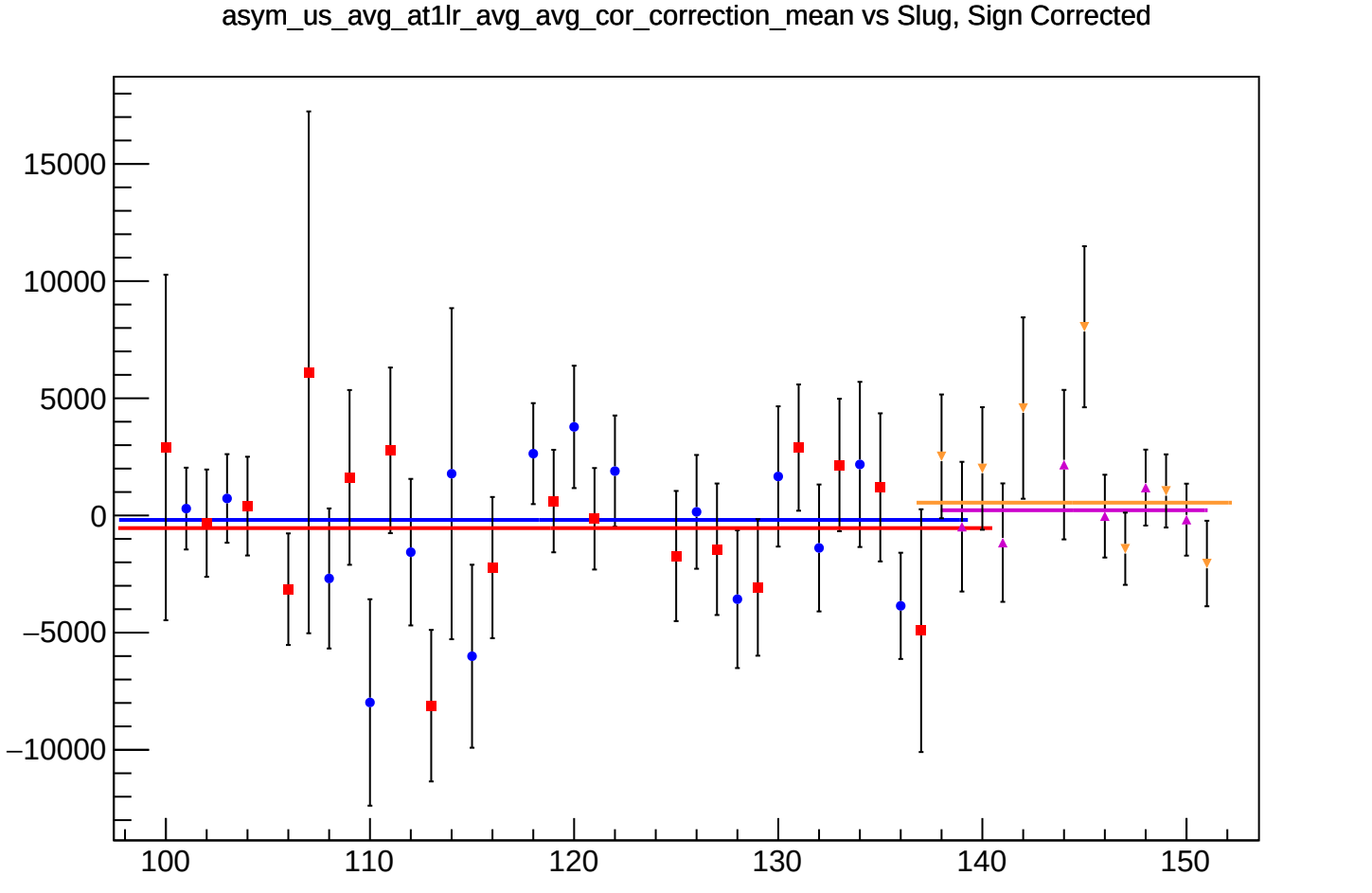
Left: 2186.795+/-0.474 χ^2/NDF: 433.9/12

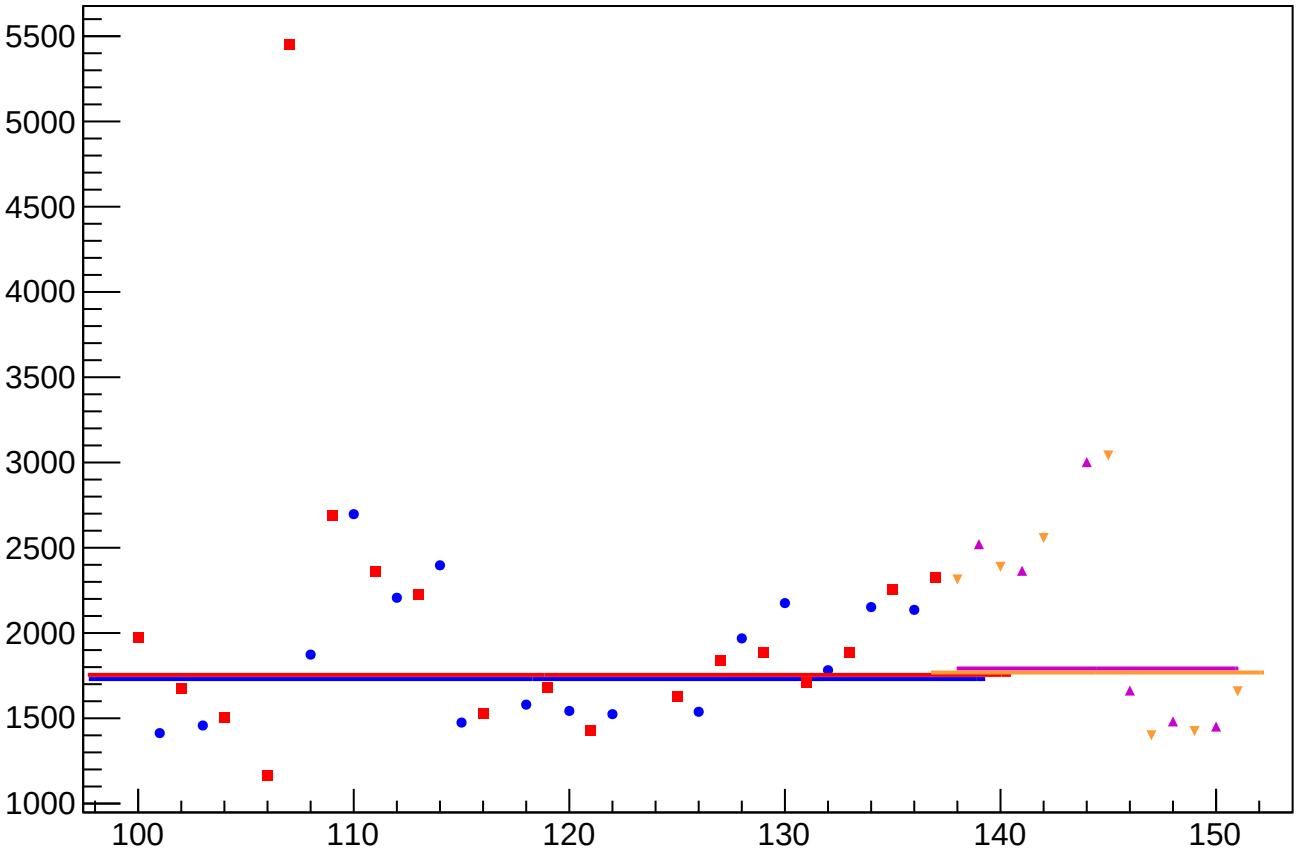
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2254.731+/-0.456 χ^2/NDF:532192.1/21

Out: 2264.998+/-0.453 χ^2/NDF:176368.0/24

All: 2259.899+/-0.321 χ^2/NDF: 708815.7/46


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 546.142+/-797.261 χ²/NDF:10.5/6
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 223.521+/-813.363 χ²/NDF:1.2/5
Left: 388.056+/-569.356 χ²/NDF: 11.7/12
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -26.217+/-511.658 χ²/NDF:17.8/21
Out: -83.716+/-516.585 χ²/NDF:25.5/24
All: -54.691+/-363.526 χ²/NDF: 43.2/46



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1768.432+/-0.564 χ^2/NDF:773646.6/6

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1791.991+/-0.575 χ^2/NDF:712421.6/5

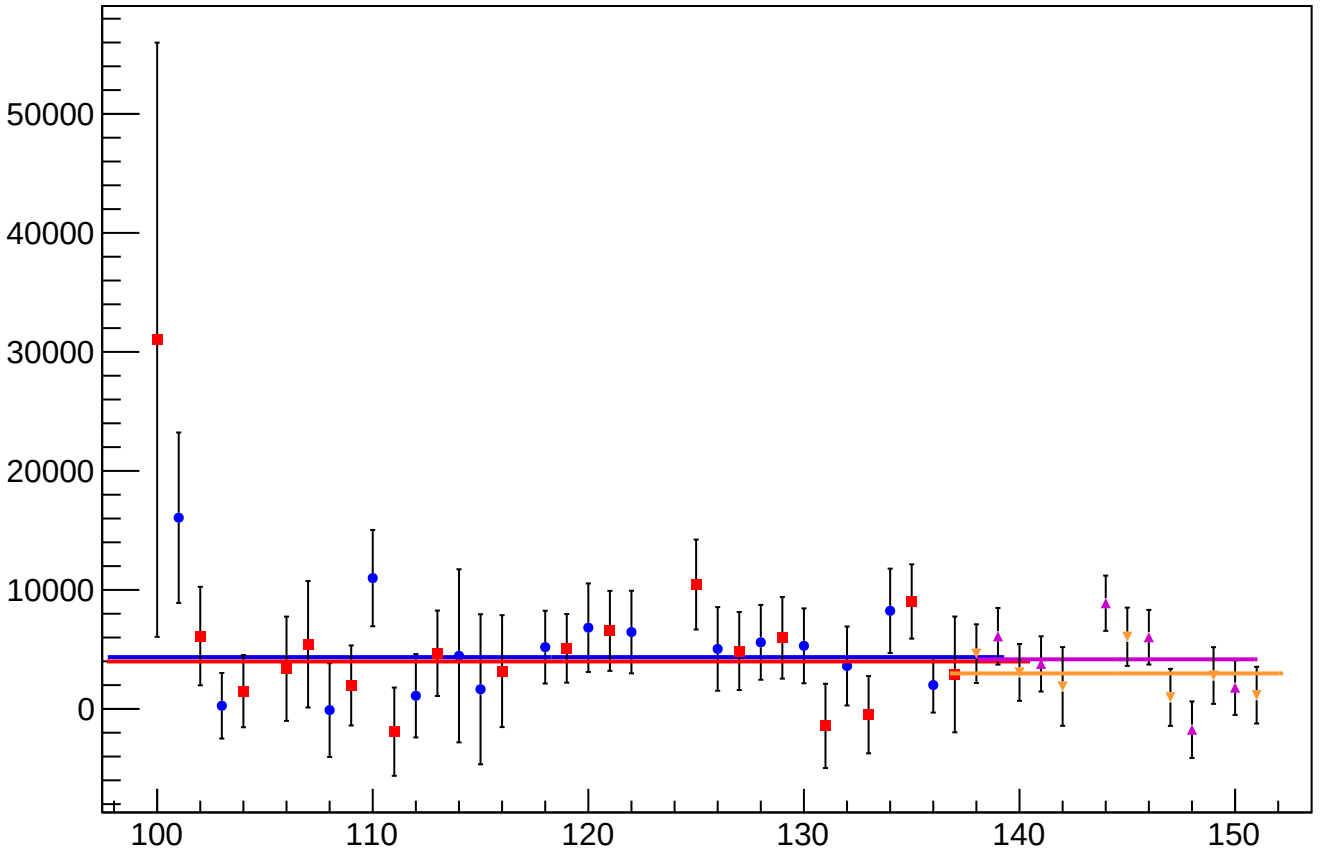
Left: 1779.976+/-0.403 χ^2/NDF: 1486924.0/12

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1754.470+/-0.362 χ^2/NDF:1199363.1/21

Out: 1760.365+/-0.365 χ^2/NDF:1525009.6/24

All: 1757.389+/-0.257 χ^2/NDF: 2724504.2/46



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 2982.063+/-942.910 χ^2/NDF:3.4/6

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4166.255+/-951.736 χ^2/NDF:12.7/5

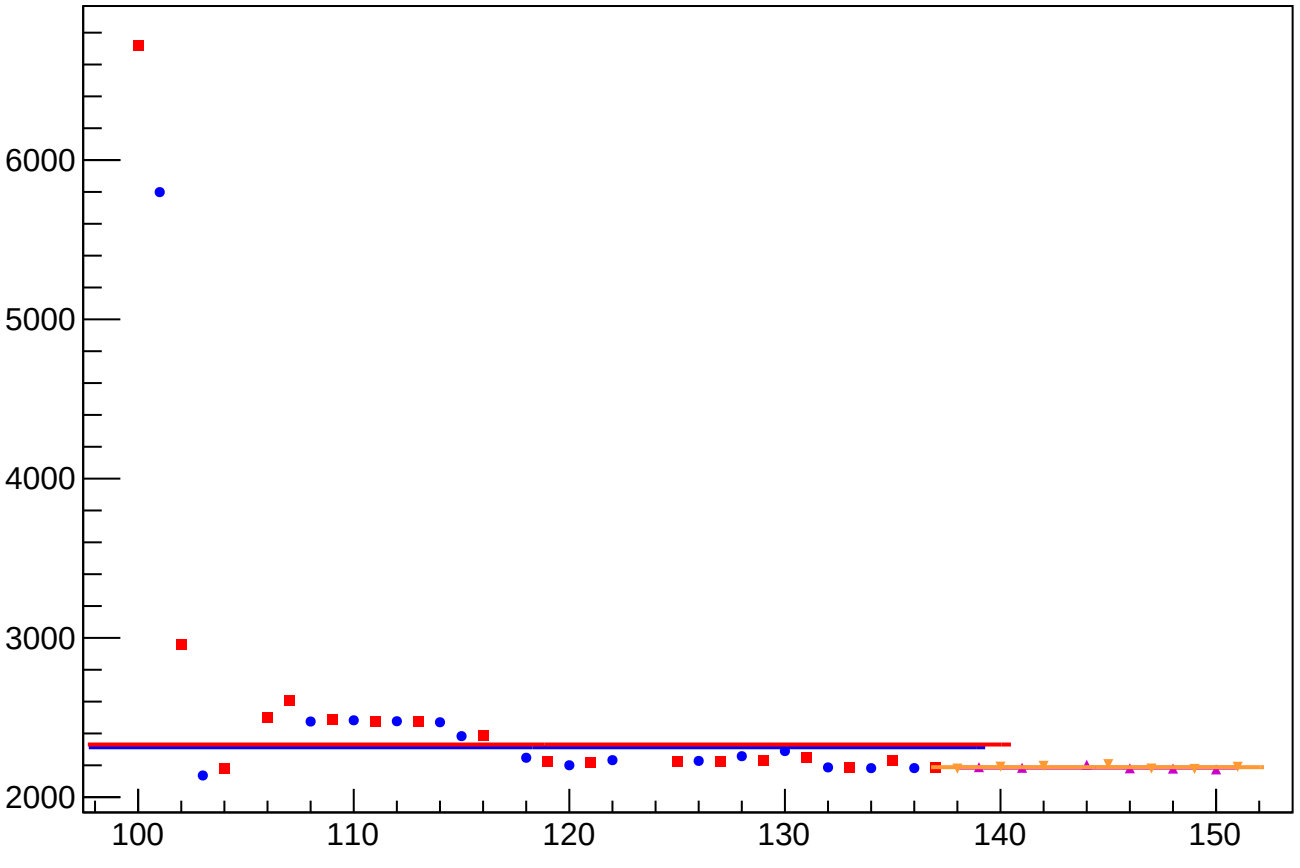
Left: 3568.643+/-669.837 χ^2/NDF: 17.0/12

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4267.805+/-644.203 χ^2/NDF:26.1/21

Out: 3525.603+/-639.984 χ^2/NDF:20.2/24

All: 3894.266+/-454.021 χ^2/NDF: 47.0/46



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.232+/-0.667 χ^2/NDF:231.7/6

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2185.331+/-0.673 χ^2/NDF:192.9/5

Left: 2186.795+/-0.474 χ^2/NDF: 433.9/12

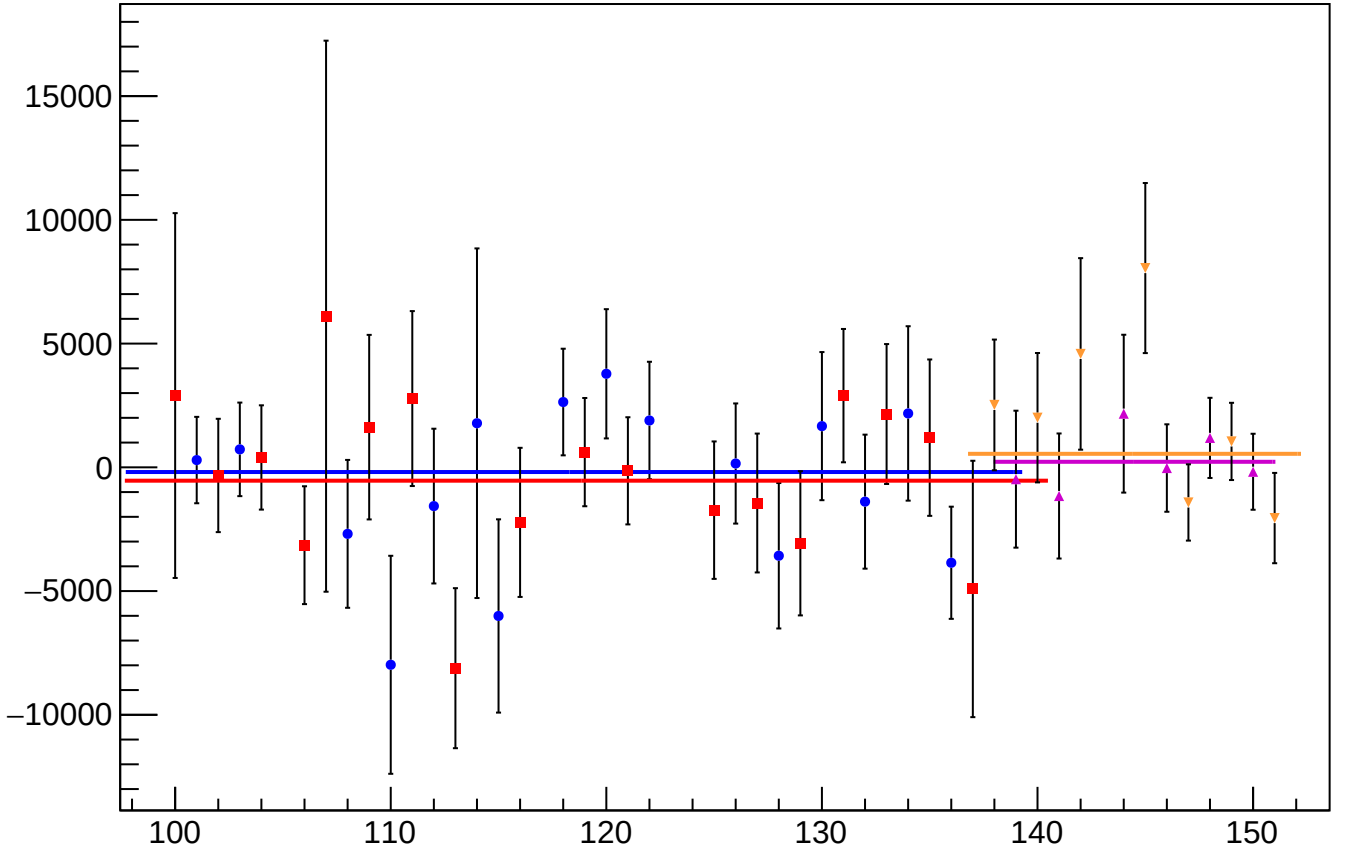
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2254.731+/-0.456 χ^2/NDF:532192.1/21

Out: 2264.998+/-0.453 χ^2/NDF:176368.0/24

All: 2259.899+/-0.321 χ^2/NDF: 708815.7/46

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 546.142+/-797.261 χ^2/NDF:10.5/6

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 223.521+/-813.363 χ^2/NDF:1.2/5

Left: 388.056+/-569.356 χ^2/NDF: 11.7/12

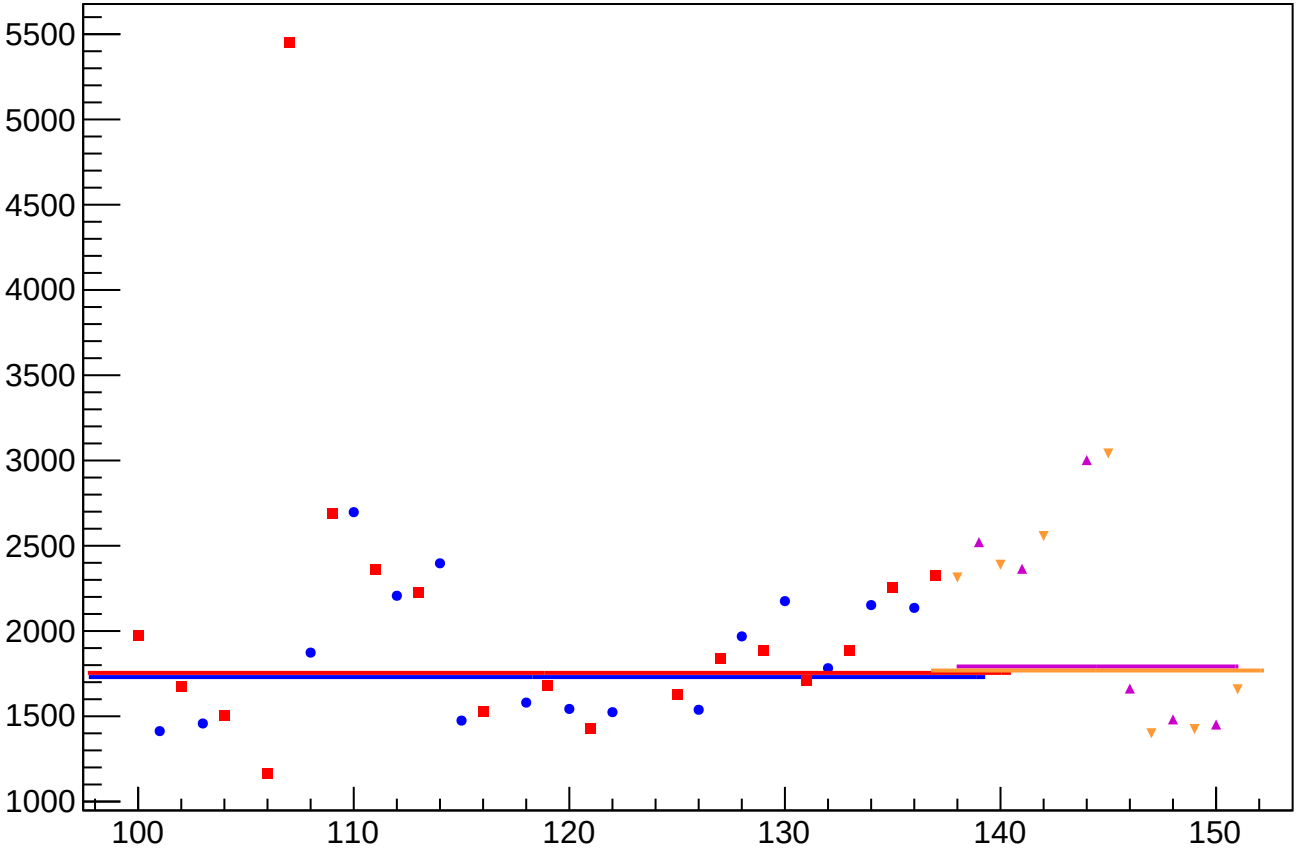
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -26.217+/-511.658 χ^2/NDF:17.8/21

Out: -83.716+/-516.585 χ^2/NDF:25.5/24

All: -54.691+/-363.526 χ^2/NDF: 43.2/46

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: 1768.432+/-0.564 χ^2/NDF:773646.6/6

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1791.991+/-0.575 χ^2/NDF:712421.6/5

Left: 1779.976+/-0.403 χ^2/NDF: 1486924.0/12

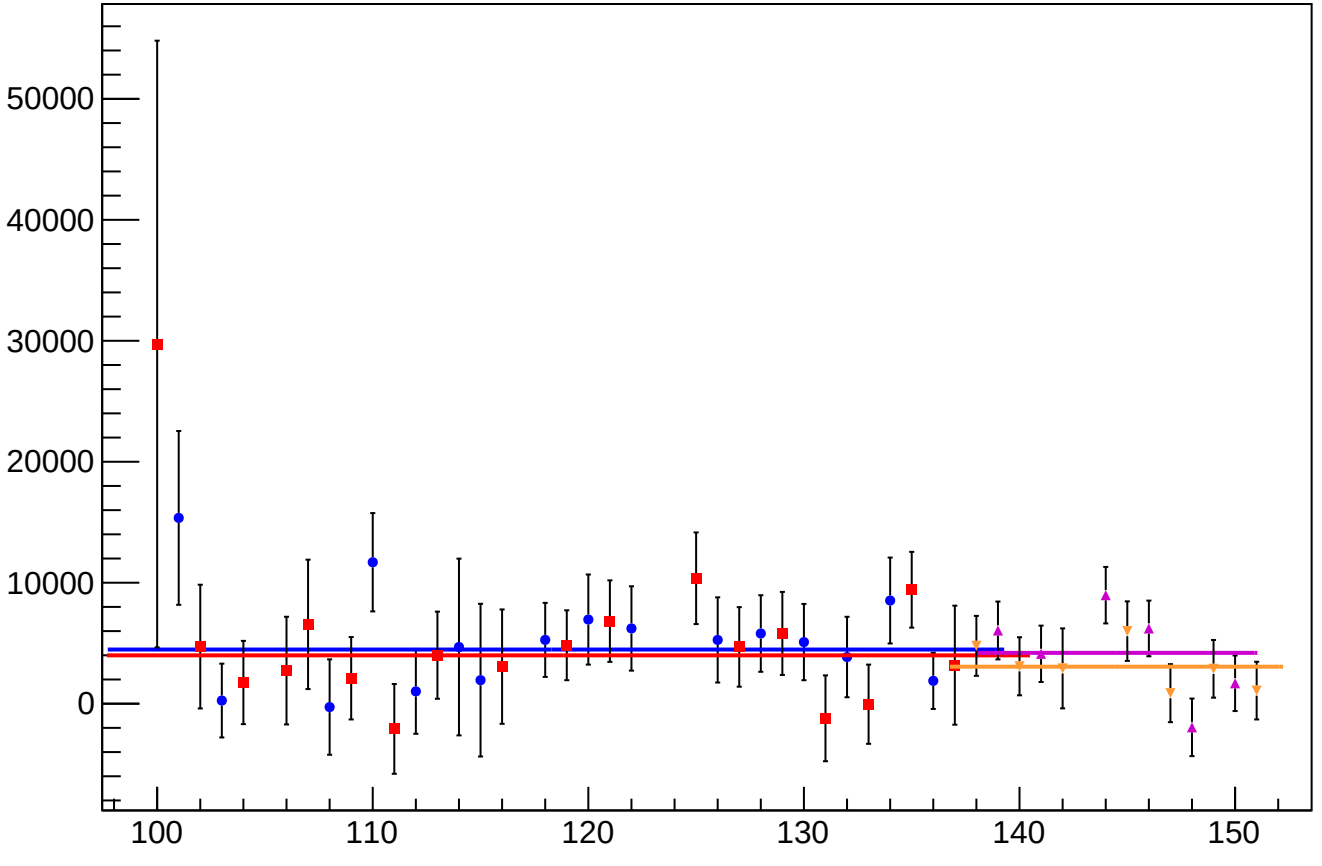
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1754.470+/-0.362 χ^2/NDF:1199363.1/21

Out: 1760.365+/-0.365 χ^2/NDF:1525009.6/24

All: 1757.389+/-0.257 χ^2/NDF: 2724504.2/46

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: 3058.120+/-945.539 χ^2/NDF:3.4/6

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4201.774+/-954.624 χ^2/NDF:13.4/5

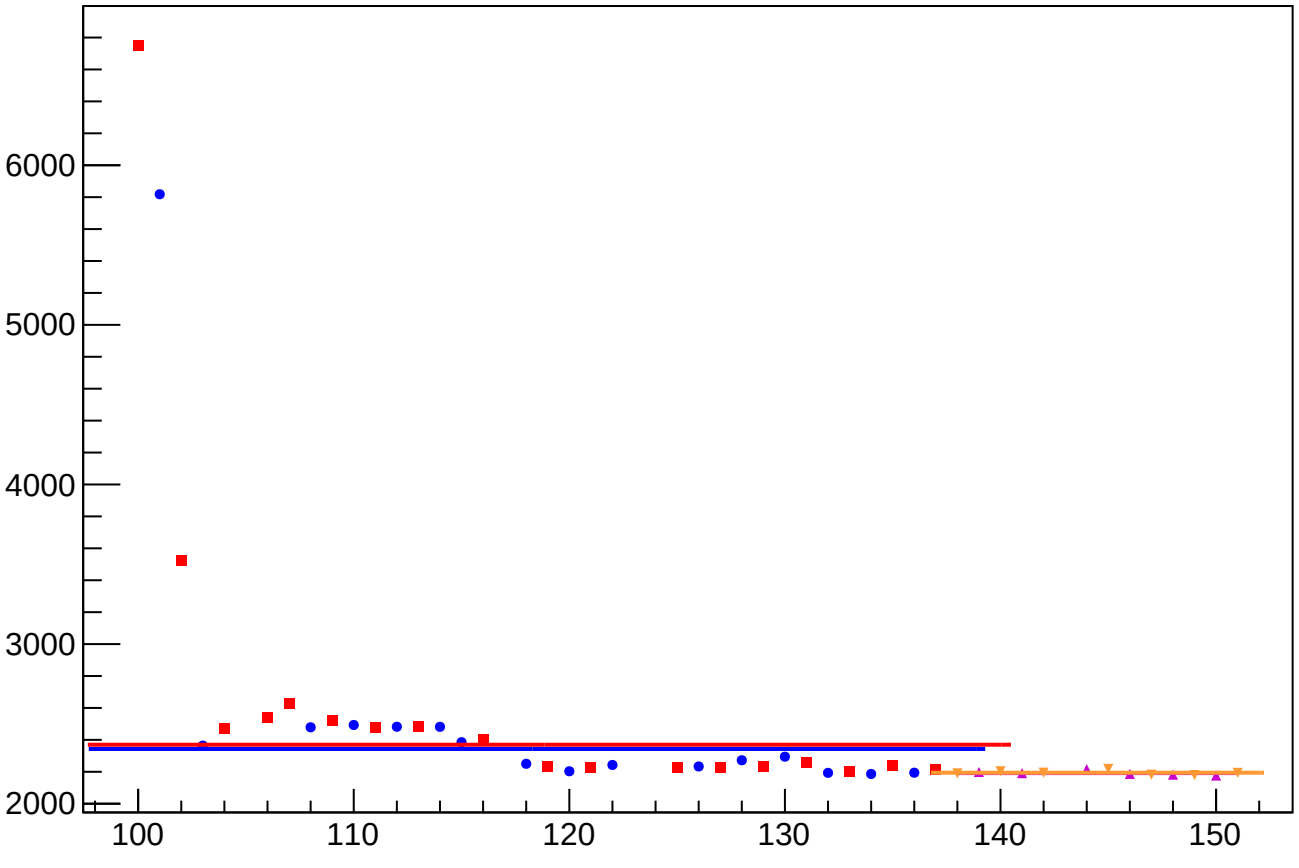
Left: 3624.479+/-671.786 χ^2/NDF: 17.6/12

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4349.315+/-649.437 χ^2/NDF:27.0/21

Out: 3555.078+/-648.240 χ^2/NDF:19.4/24

All: 3951.464+/-458.798 χ^2/NDF: 47.2/46



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.161+/-0.669 χ^2/NDF:354.0/6

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2191.816+/-0.675 χ^2/NDF:369.8/5

Left: 2192.999+/-0.475 χ^2/NDF: 729.9/12

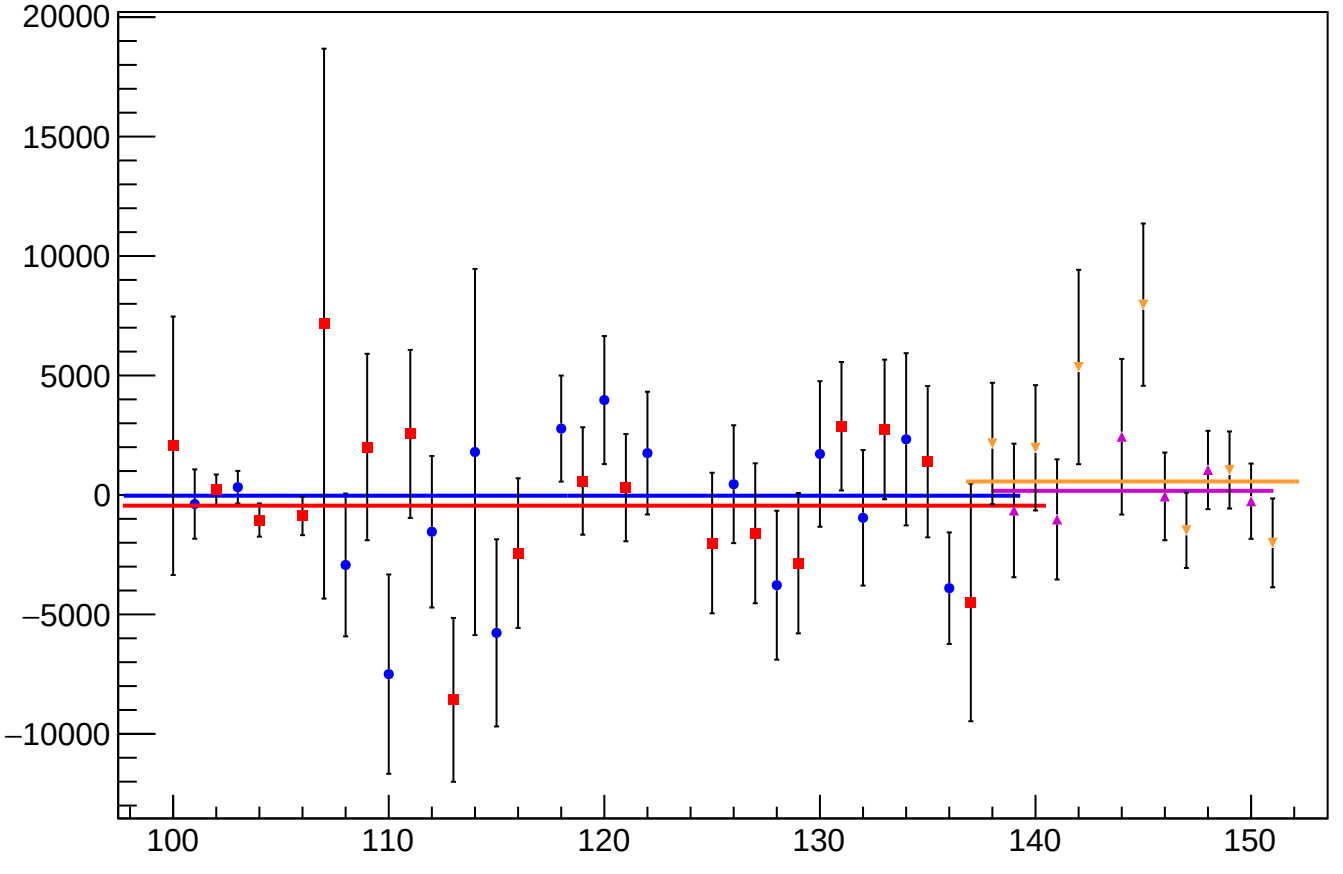
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2272.983+/-0.459 χ^2/NDF:530151.9/21

Out: 2287.126+/-0.458 χ^2/NDF:246981.2/24

All: 2280.068+/-0.324 χ^2/NDF: 777608.2/46

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 563.804+/-810.208 χ^2/NDF:10.5/6

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 172.751+/-829.759 χ^2/NDF:1.2/5

Left: 372.939+/-579.692 χ^2/NDF: 11.8/12

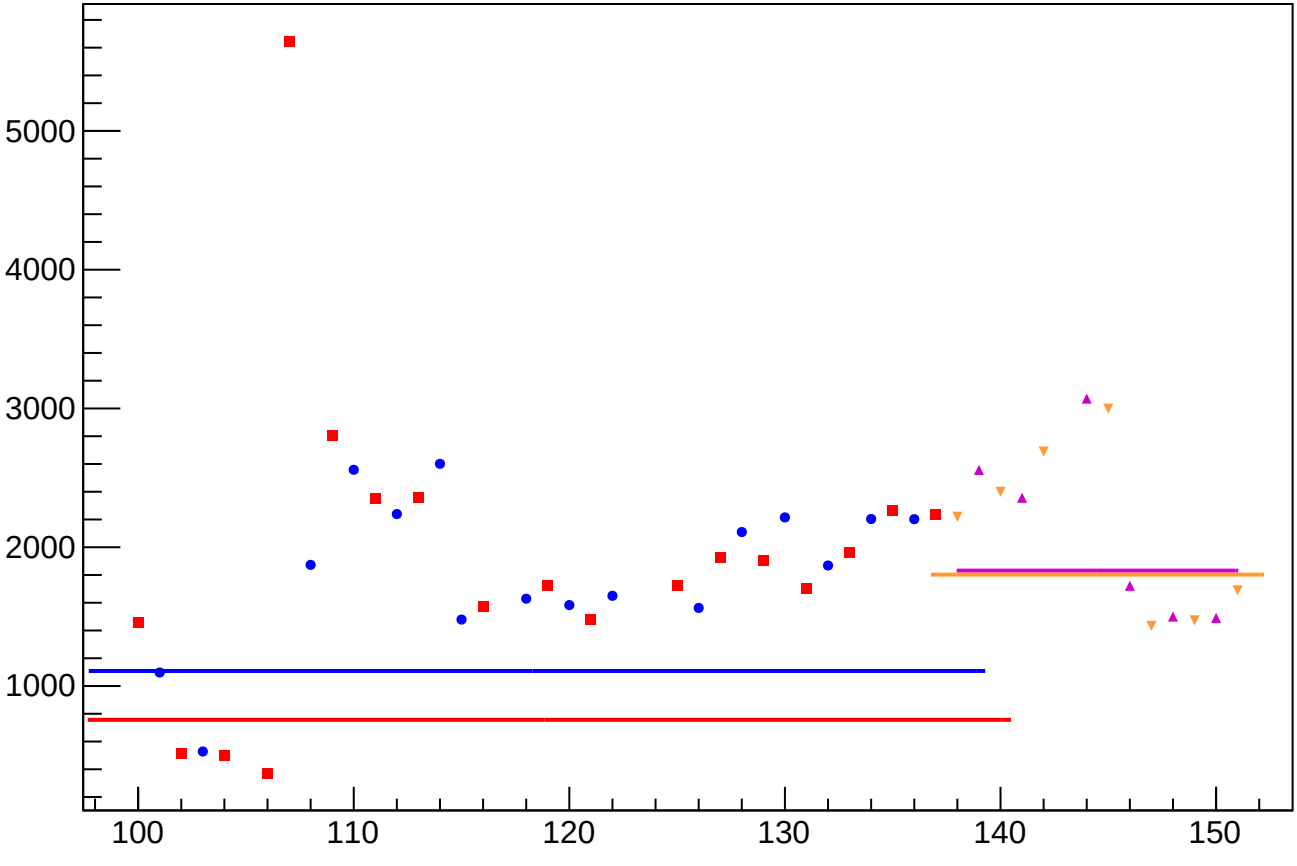
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 20.644+/-418.930 χ^2/NDF:17.5/21

Out: -279.402+/-330.944 χ^2/NDF:26.9/24

All: -164.106+/-259.689 χ^2/NDF: 44.7/46

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1802.714+/-0.573 χ^2/NDF:701185.1/6

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1831.467+/-0.587 χ^2/NDF:694071.3/5

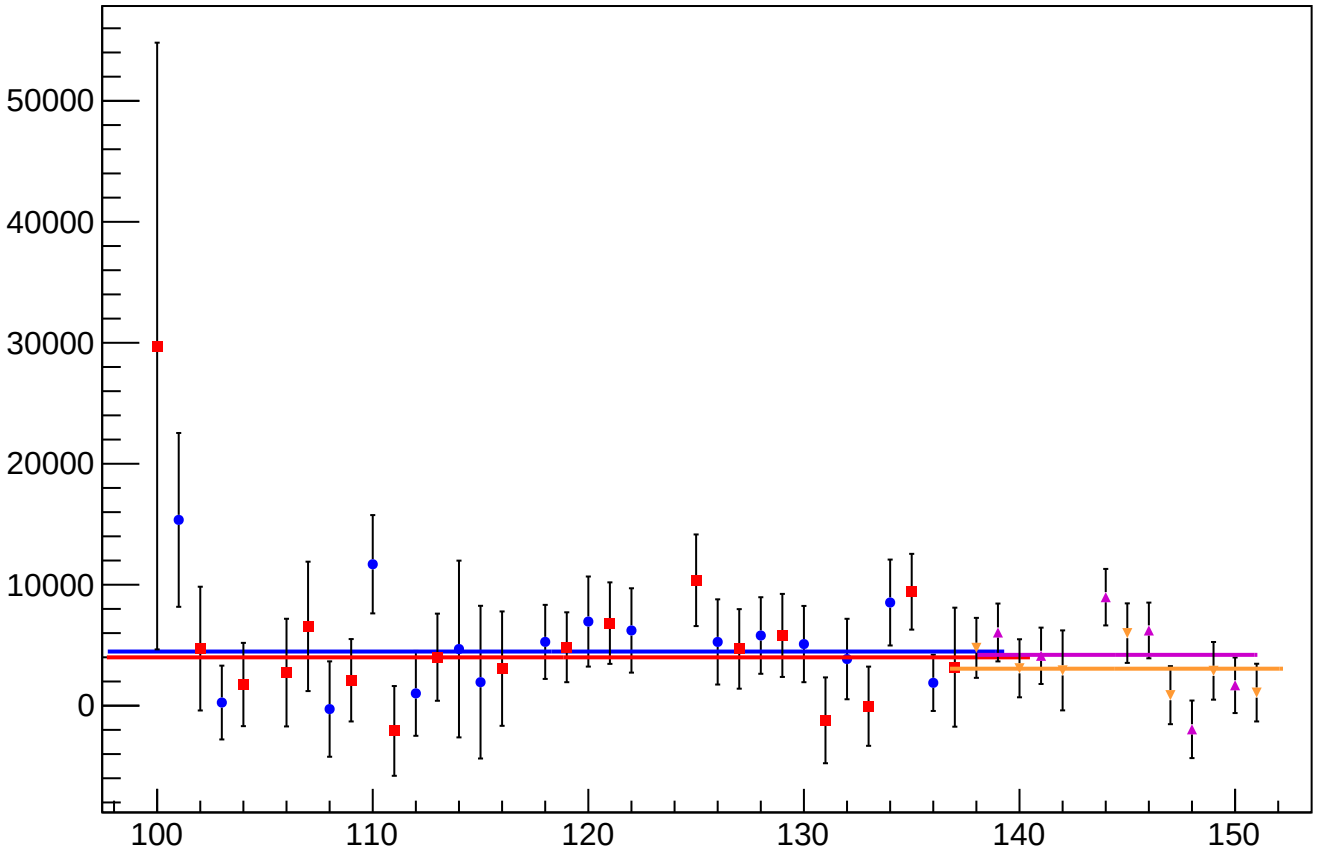
Left: 1816.748+/-0.410 χ^2/NDF: 1396485.8/12

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1292.520+/-0.296 χ^2/NDF:5572970.4/21

Out: 930.989+/-0.234 χ^2/NDF:9083289.5/24

All: 1069.911+/-0.184 χ^2/NDF: 15573396.2/4



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3058.123+/-945.539 χ^2/NDF:3.4/6

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4201.775+/-954.624 χ^2/NDF:13.4/5

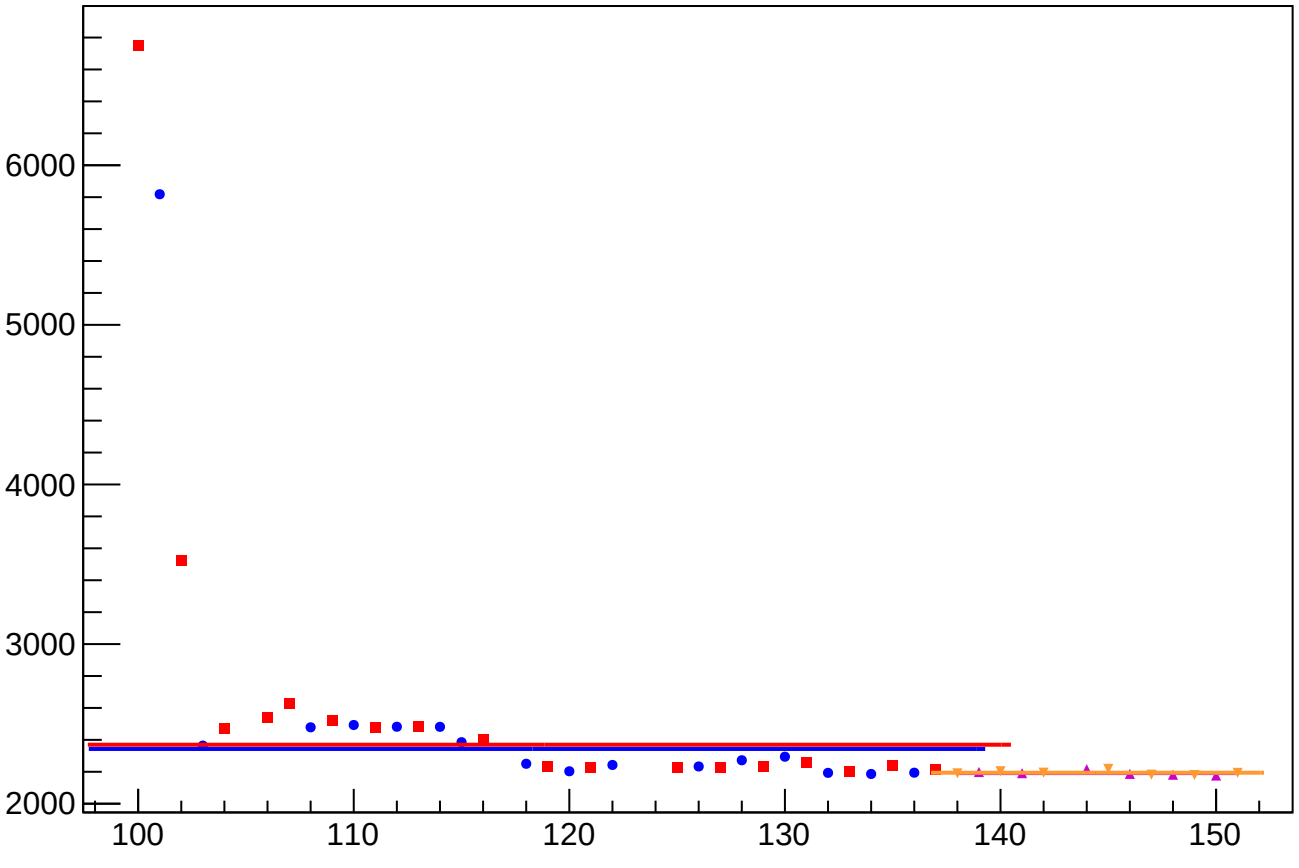
Left: 3624.481+/-671.786 χ^2/NDF: 17.6/12

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4349.313+/-649.437 χ^2/NDF:27.0/21

Out: 3555.078+/-648.240 χ^2/NDF:19.4/24

All: 3951.463+/-458.798 χ^2/NDF: 47.2/46



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2194.161+/-0.669 χ^2/NDF:354.0/6

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2191.816+/-0.675 χ^2/NDF:369.8/5

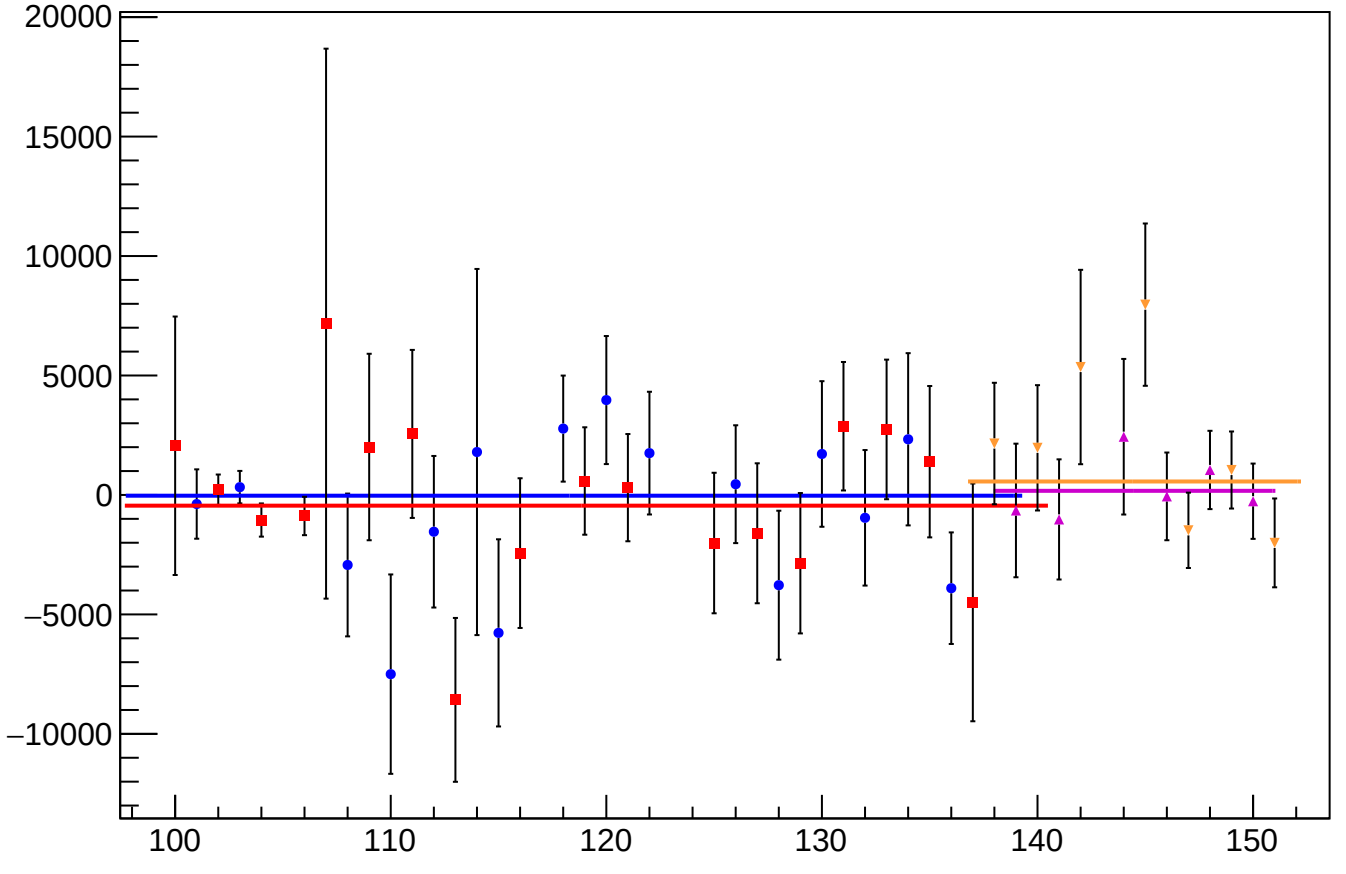
Left: 2192.999+/-0.475 χ^2/NDF: 729.9/12

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2272.983+/-0.459 χ^2/NDF:530151.8/21

Out: 2287.126+/-0.458 χ^2/NDF:246979.9/24

All: 2280.067+/-0.324 χ^2/NDF: 777606.8/46



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 563.800+/-810.209 χ^2/NDF:10.5/6

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 172.752+/-829.760 χ^2/NDF:1.2/5

Left: 372.937+/-579.693 χ^2/NDF: 11.8/12

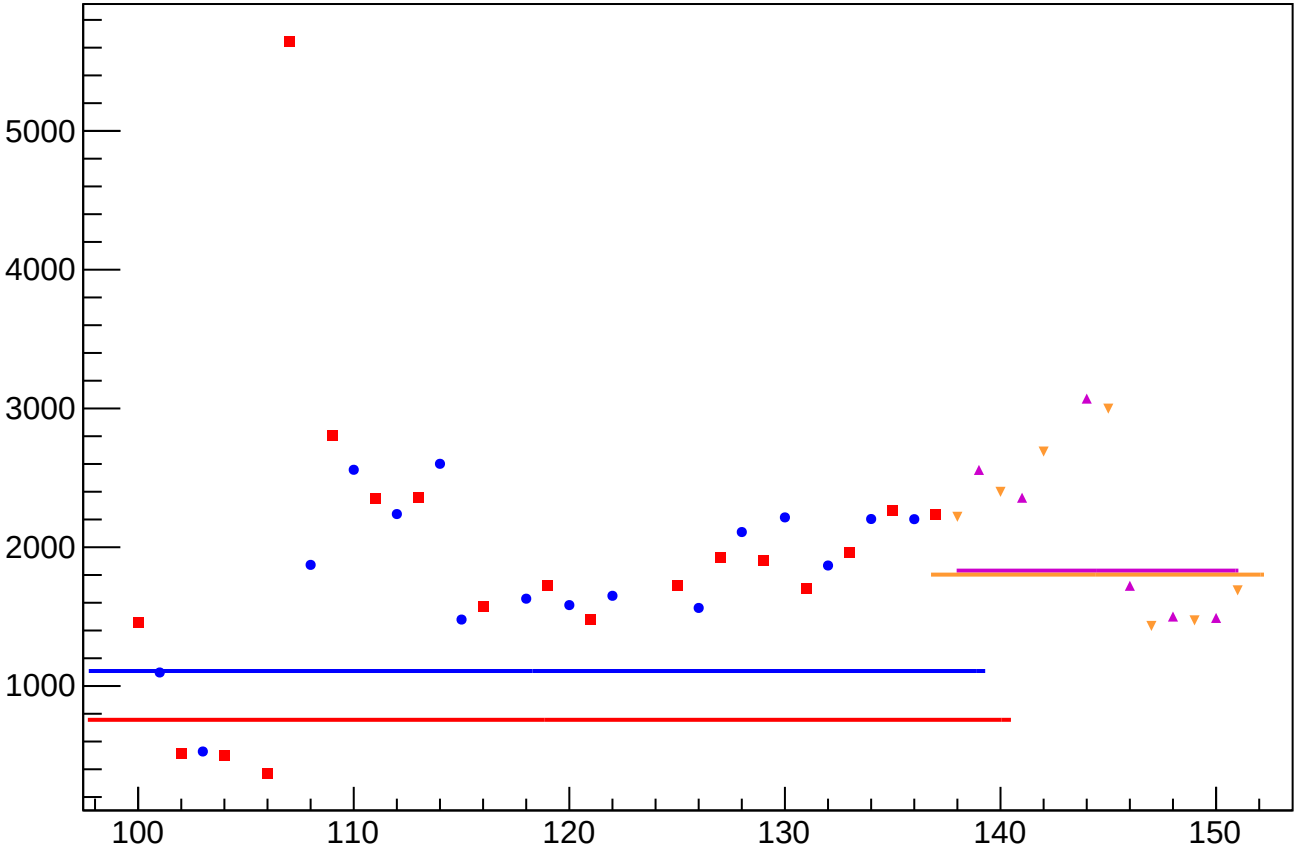
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 20.640+/-418.932 χ^2/NDF:17.5/21

Out: -279.402+/-330.948 χ^2/NDF:26.9/24

All: -164.107+/-259.691 χ^2/NDF: 44.7/46

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: 1802.717+/-0.573 χ^2/NDF:701185.2/6

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1831.471+/-0.587 χ^2/NDF:694071.0/5

Left: 1816.751+/-0.410 χ^2/NDF: 1396485.7/12

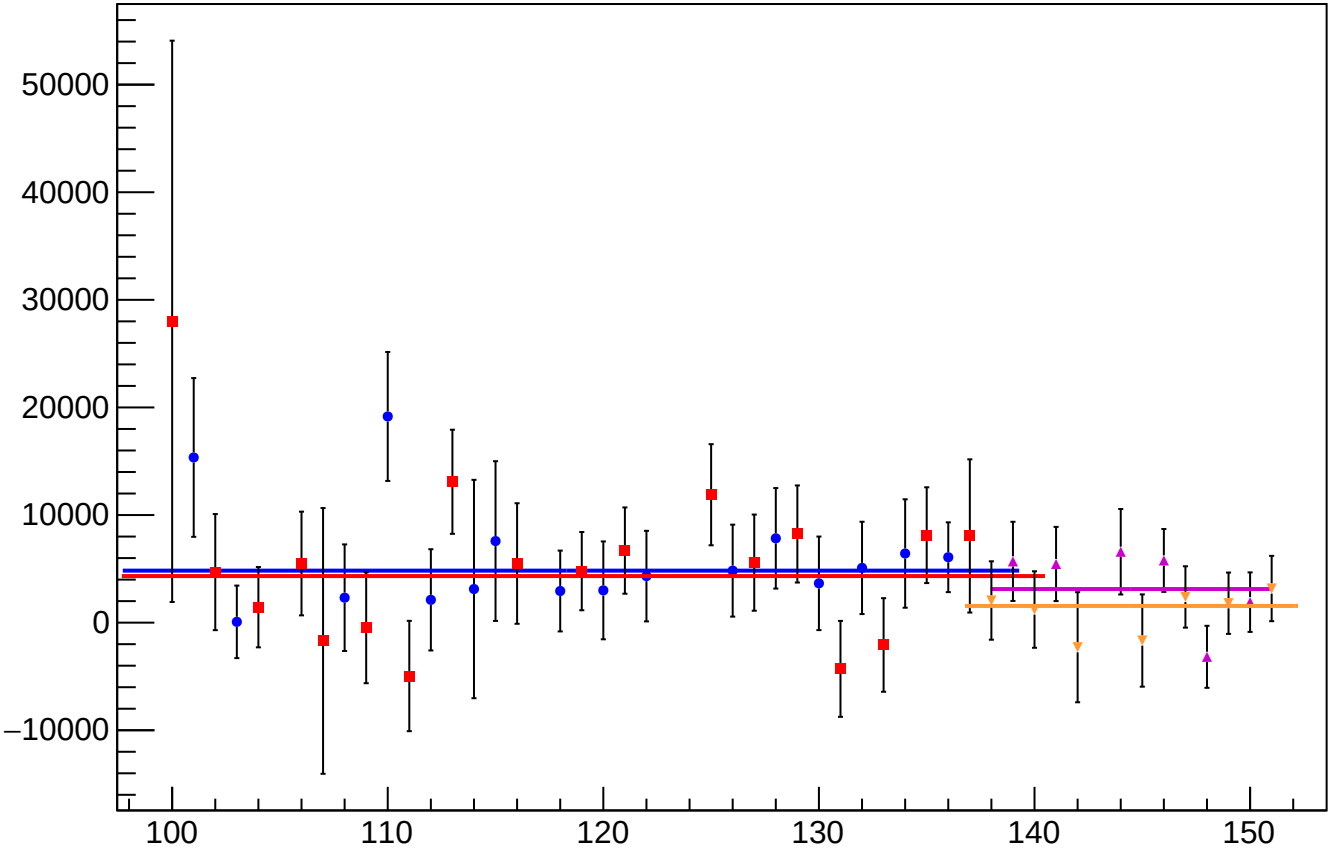
Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1292.529+/-0.296 χ^2/NDF:5572868.8/21

Out: 931.006+/-0.234 χ^2/NDF:9083087.5/24

All: 1069.925+/-0.184 χ^2/NDF: 15573043.0/4

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: 1552.210+/-1289.208 χ^2/NDF:1.5/6

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3121.753+/-1302.183 χ^2/NDF:7.5/5

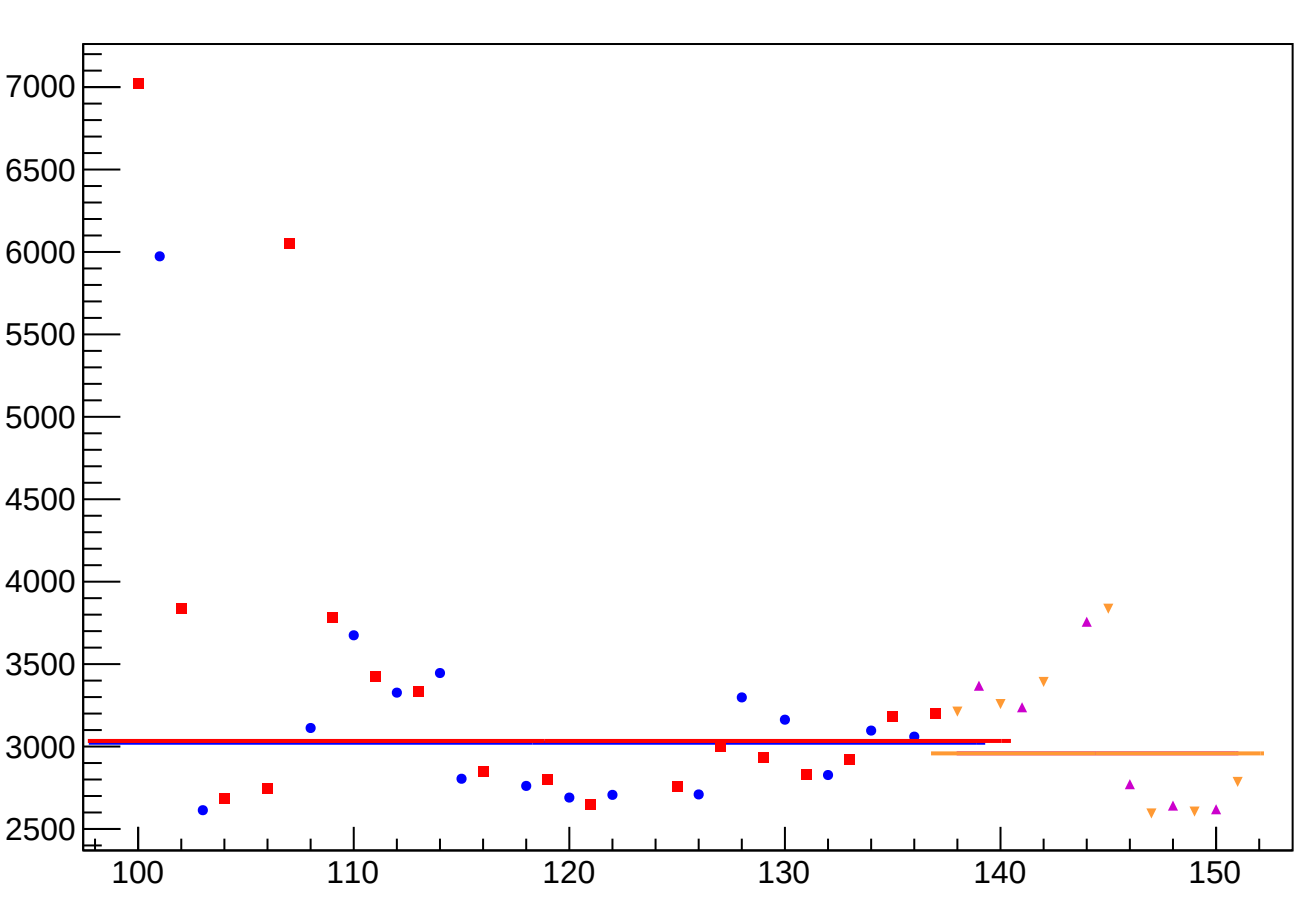
Left: 2329.123+/-916.161 χ^2/NDF: 9.8/12

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4089.108+/-858.823 χ^2/NDF:20.2/21

Out: 3104.858+/-855.909 χ^2/NDF:24.0/24

All: 3595.311+/-606.247 χ^2/NDF: 44.8/46



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 2958.416+/-0.912 χ^2/NDF:191791.6/6

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 2958.785+/-0.921 χ^2/NDF:181281.8/5

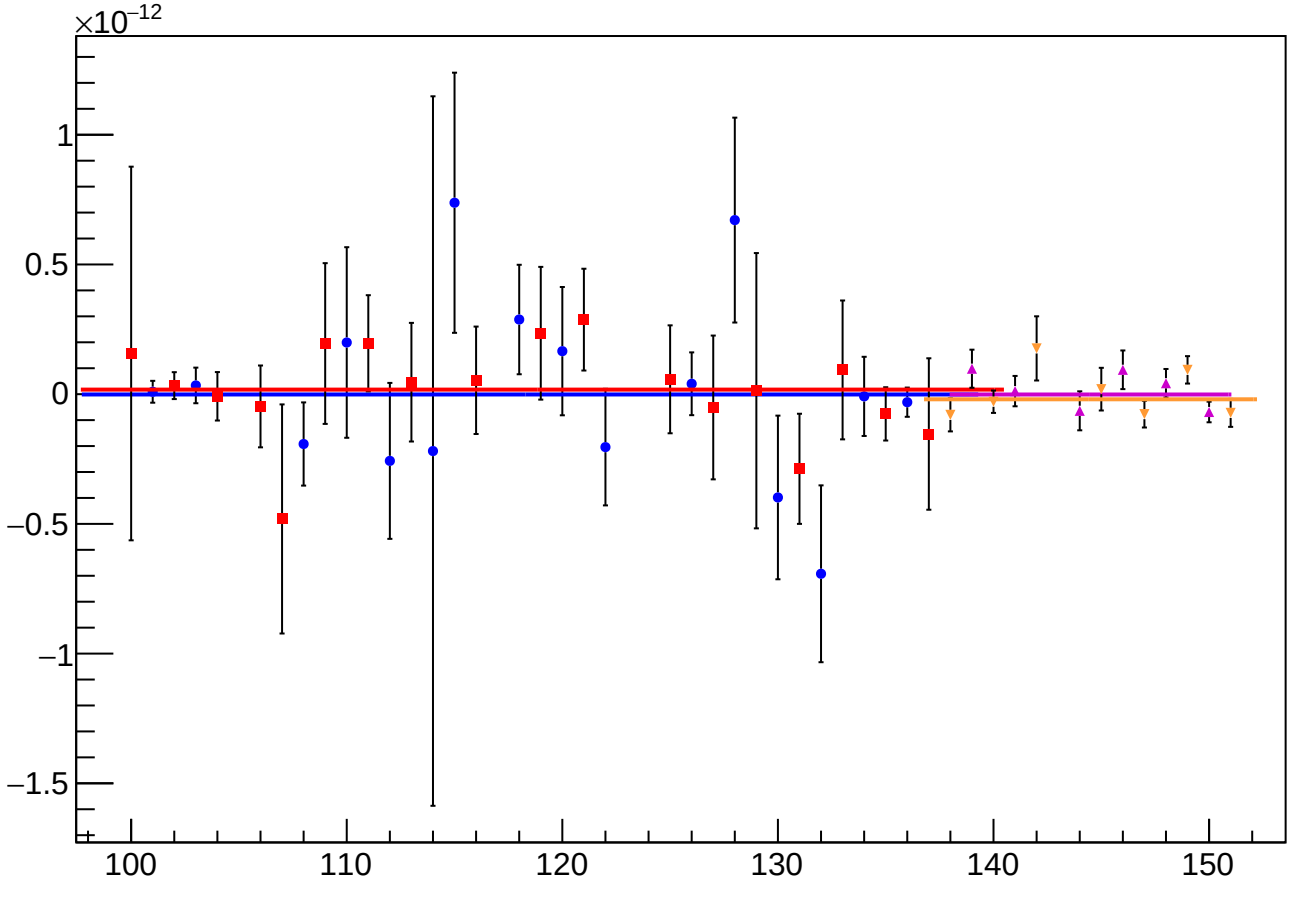
Left: 2958.599+/-0.648 χ^2/NDF: 373073.5/12

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 2995.107+/-0.607 χ^2/NDF:627741.5/21

Out: 3000.612+/-0.605 χ^2/NDF:538297.4/24

All: 2997.869+/-0.429 χ^2/NDF: 1166080.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/5

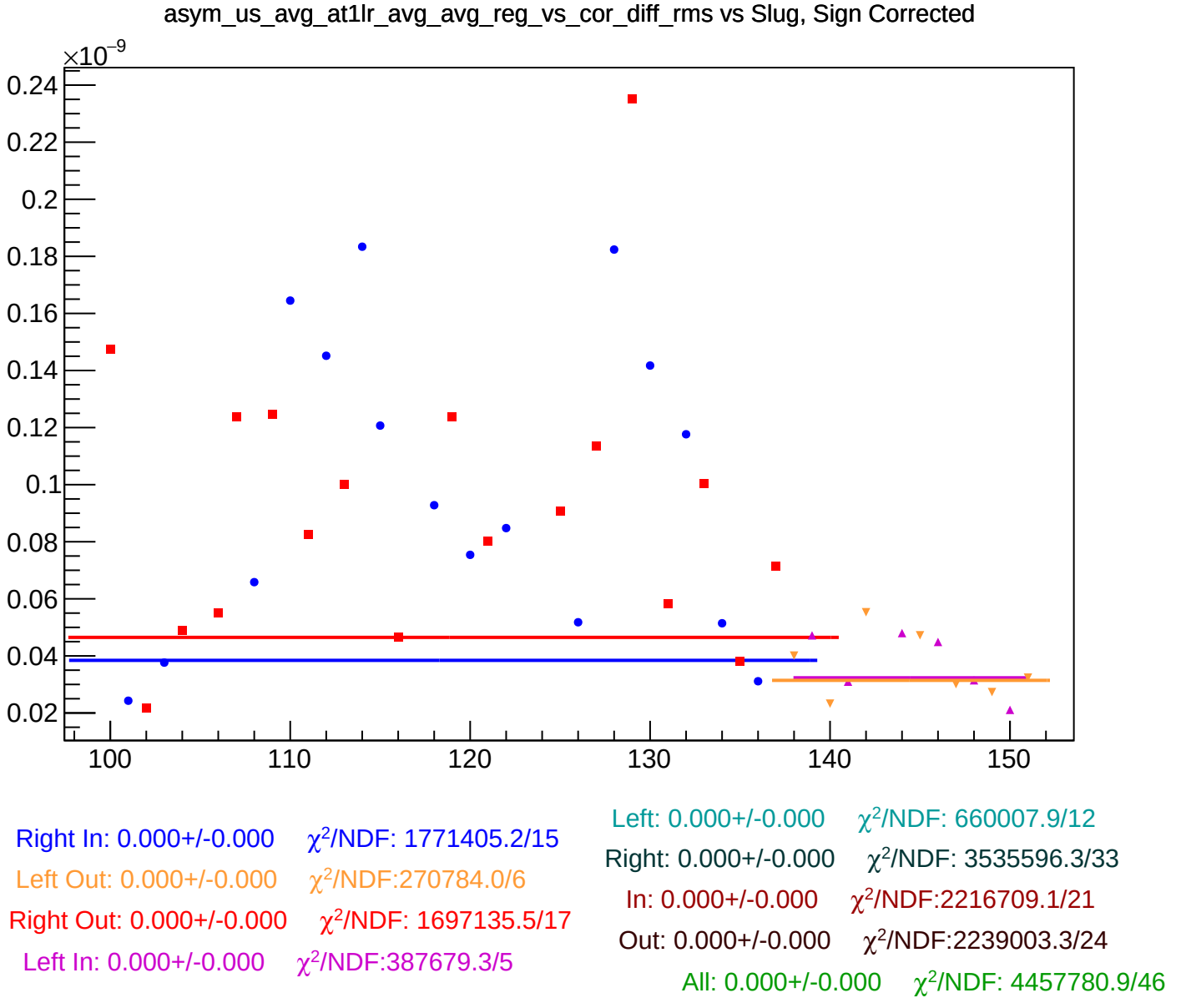
Left: -0.000+/-0.000 χ^2/NDF: 18.5/12

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

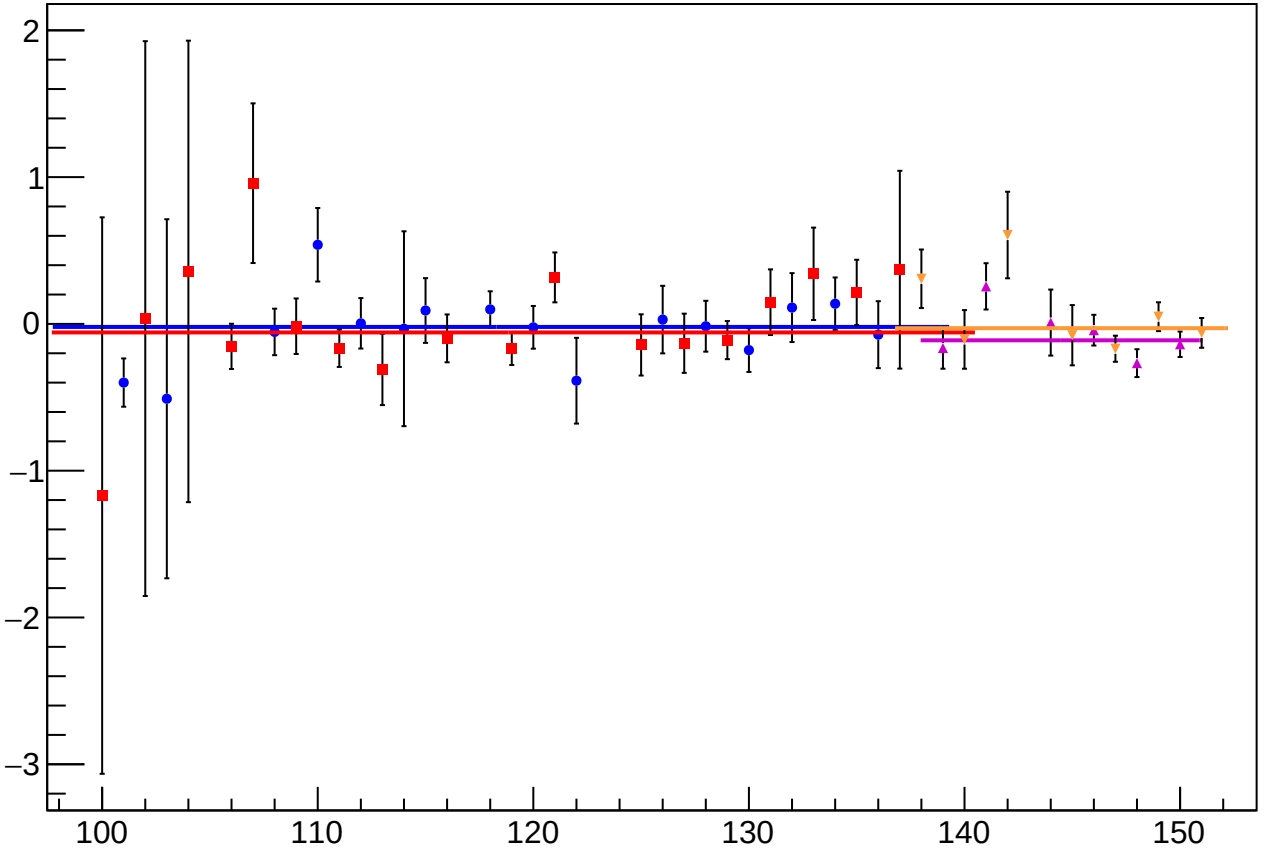
In: -0.000+/-0.000 χ^2/NDF:24.8/21

Out: -0.000+/-0.000 χ^2/NDF:20.3/24

All: -0.000+/-0.000 χ^2/NDF: 45.2/46


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:270784.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:387679.3/5
Left: 0.000+/-0.000 χ²/NDF: 660007.9/12
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:2216709.1/21
Out: 0.000+/-0.000 χ²/NDF:2239003.3/24
All: 0.000+/-0.000 χ²/NDF: 4457780.9/46

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: -0.029+/-0.049 χ^2/NDF:10.9/6

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.112+/-0.047 χ^2/NDF:9.1/5

Left: -0.072+/-0.034 χ^2/NDF: 21.4/12

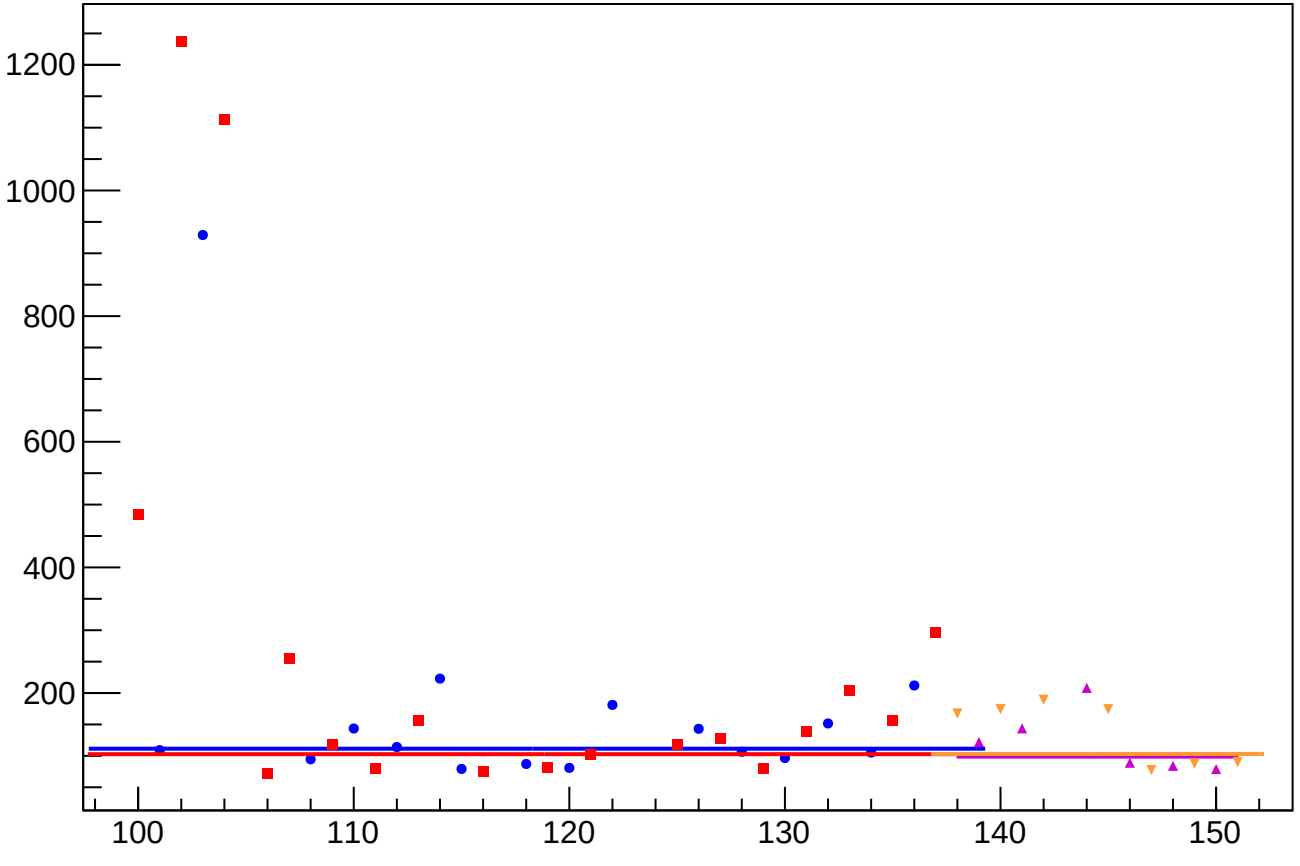
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.066+/-0.034 χ^2/NDF:26.6/21

Out: -0.044+/-0.034 χ^2/NDF:27.9/24

All: -0.056+/-0.024 χ^2/NDF: 54.7/46

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: 103.068+/-0.035 χ^2/NDF:1124280.7/6

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.794+/-0.034 χ^2/NDF:859300.3/5

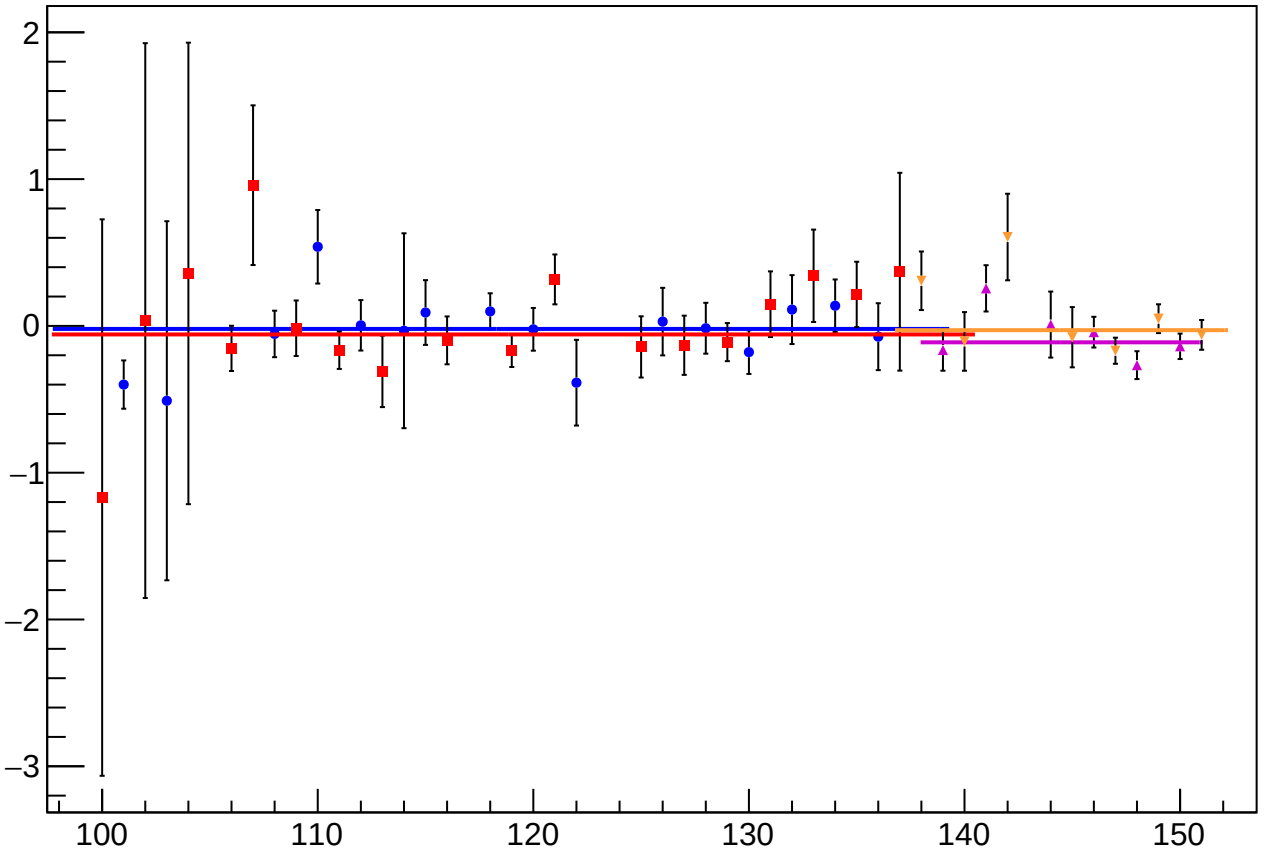
Left: 100.850+/-0.024 χ^2/NDF: 1991410.0/12

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 105.067+/-0.024 χ^2/NDF:2769159.1/21

Out: 102.859+/-0.024 χ^2/NDF:3951201.8/24

All: 103.969+/-0.017 χ^2/NDF: 6724660.1/46



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.029+/-0.049 χ^2/NDF:10.9/6

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.112+/-0.047 χ^2/NDF:9.1/5

Left: -0.072+/-0.034 χ^2/NDF: 21.4/12

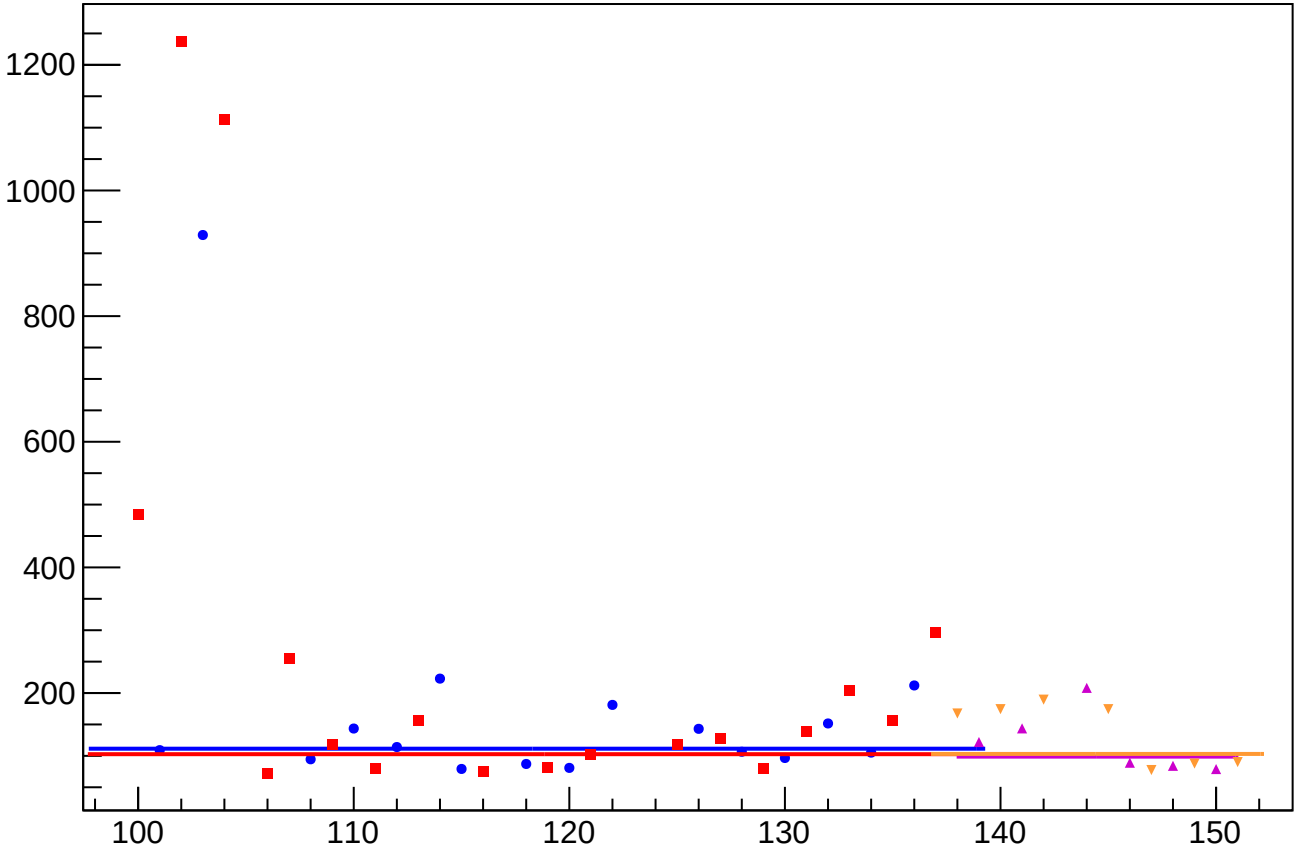
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.066+/-0.034 χ^2/NDF:26.6/21

Out: -0.044+/-0.034 χ^2/NDF:27.9/24

All: -0.056+/-0.024 χ^2/NDF: 54.7/46

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: 103.068+/-0.035 χ^2/NDF:1124280.7/6

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 98.794+/-0.034 χ^2/NDF:859300.3/5

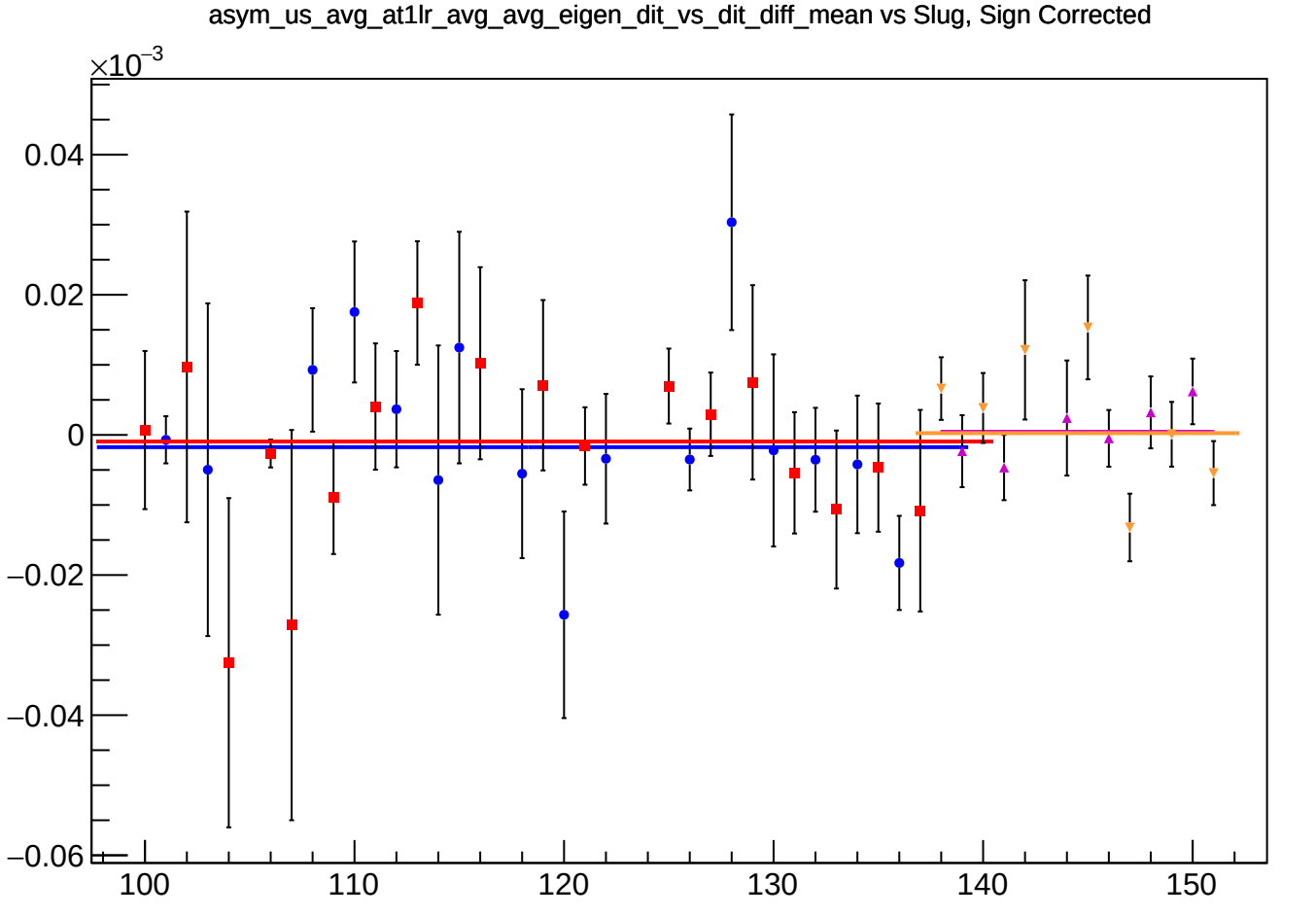
Left: 100.850+/-0.024 χ^2/NDF: 1991410.0/12

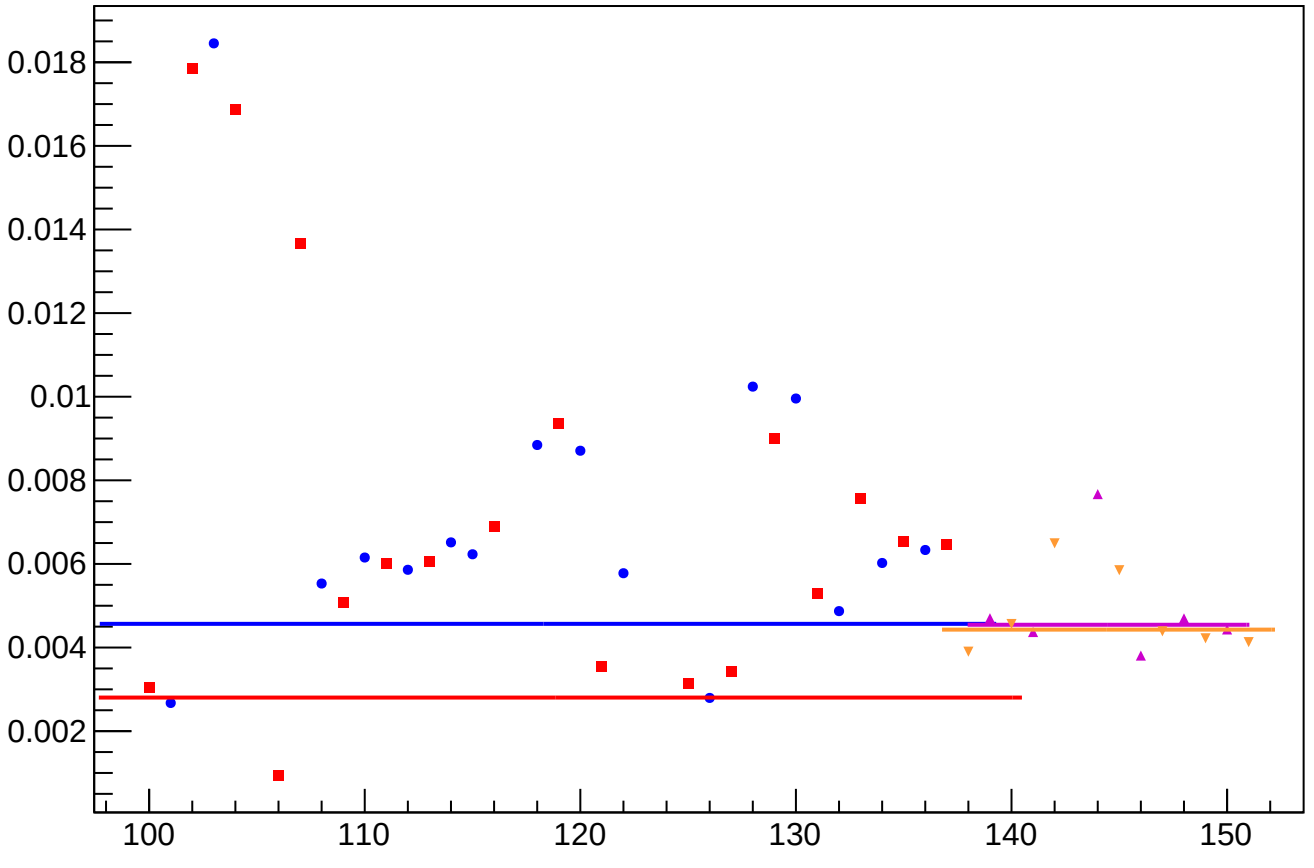
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 105.067+/-0.024 χ^2/NDF:2769159.1/21

Out: 102.859+/-0.024 χ^2/NDF:3951201.8/24

All: 103.969+/-0.017 χ^2/NDF: 6724660.1/46


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: 0.000+/-0.000 χ²/NDF:17.5/6
Right Out: -0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:3.4/5
Left: 0.000+/-0.000 χ²/NDF: 20.9/12
Right: -0.000+/-0.000 χ²/NDF: 35.9/33
In: -0.000+/-0.000 χ²/NDF:24.0/21
Out: -0.000+/-0.000 χ²/NDF:33.4/24
All: -0.000+/-0.000 χ²/NDF: 57.5/46



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:201940.3/6

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.005+/-0.000 χ^2/NDF:363589.6/5

Left: 0.004+/-0.000 χ^2/NDF: 568908.6/12

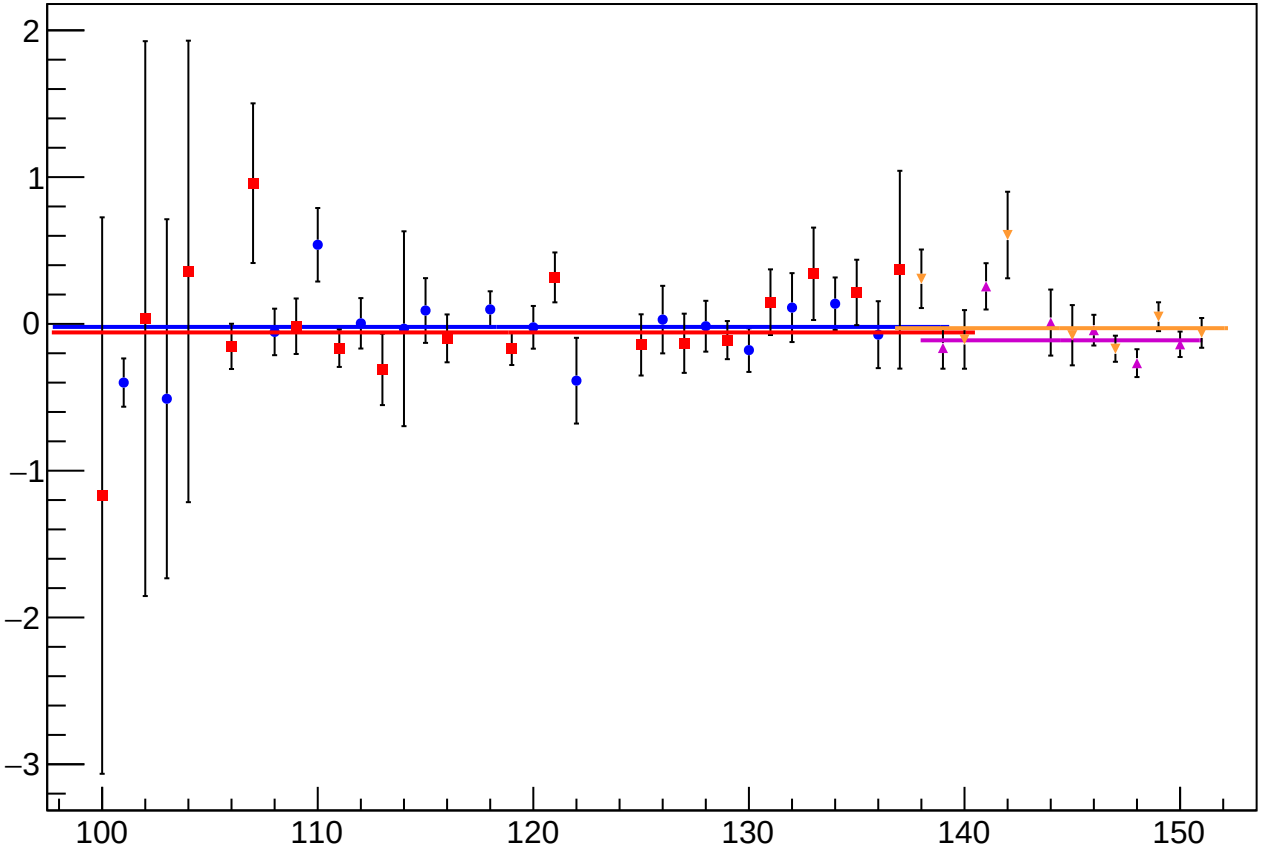
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.005+/-0.000 χ^2/NDF:3375970.3/21

Out: 0.003+/-0.000 χ^2/NDF:7679755.1/24

All: 0.004+/-0.000 χ^2/NDF: 11871425.4/46

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: -0.029+/-0.049 χ^2/NDF:10.9/6

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.112+/-0.047 χ^2/NDF:9.1/5

Left: -0.072+/-0.034 χ^2/NDF: 21.4/12

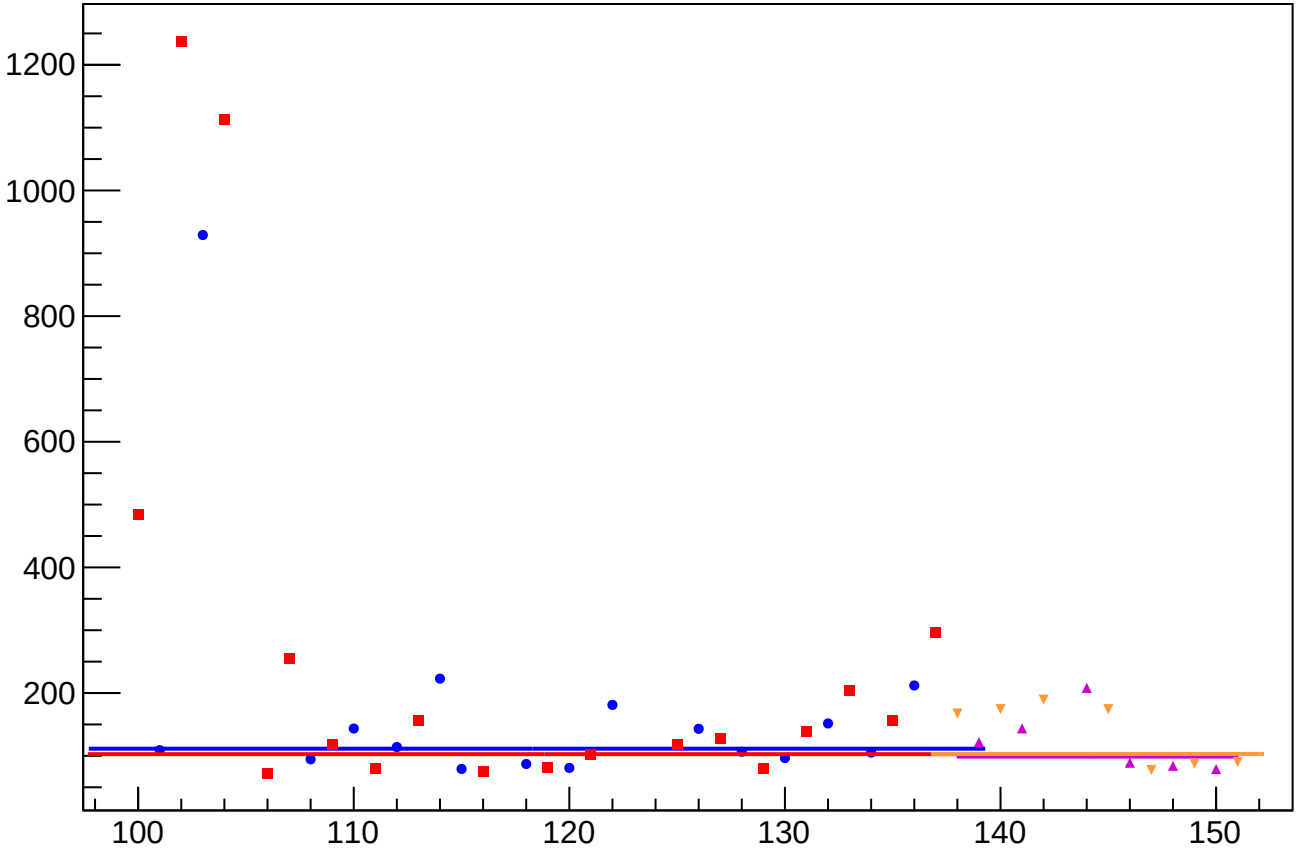
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.066+/-0.034 χ^2/NDF:26.6/21

Out: -0.044+/-0.034 χ^2/NDF:27.9/24

All: -0.056+/-0.024 χ^2/NDF: 54.7/46

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: 103.069+/-0.035 χ^2/NDF:1124254.7/6

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.794+/-0.034 χ^2/NDF:859296.6/5

Left: 100.850+/-0.024 χ^2/NDF: 1991381.2/12

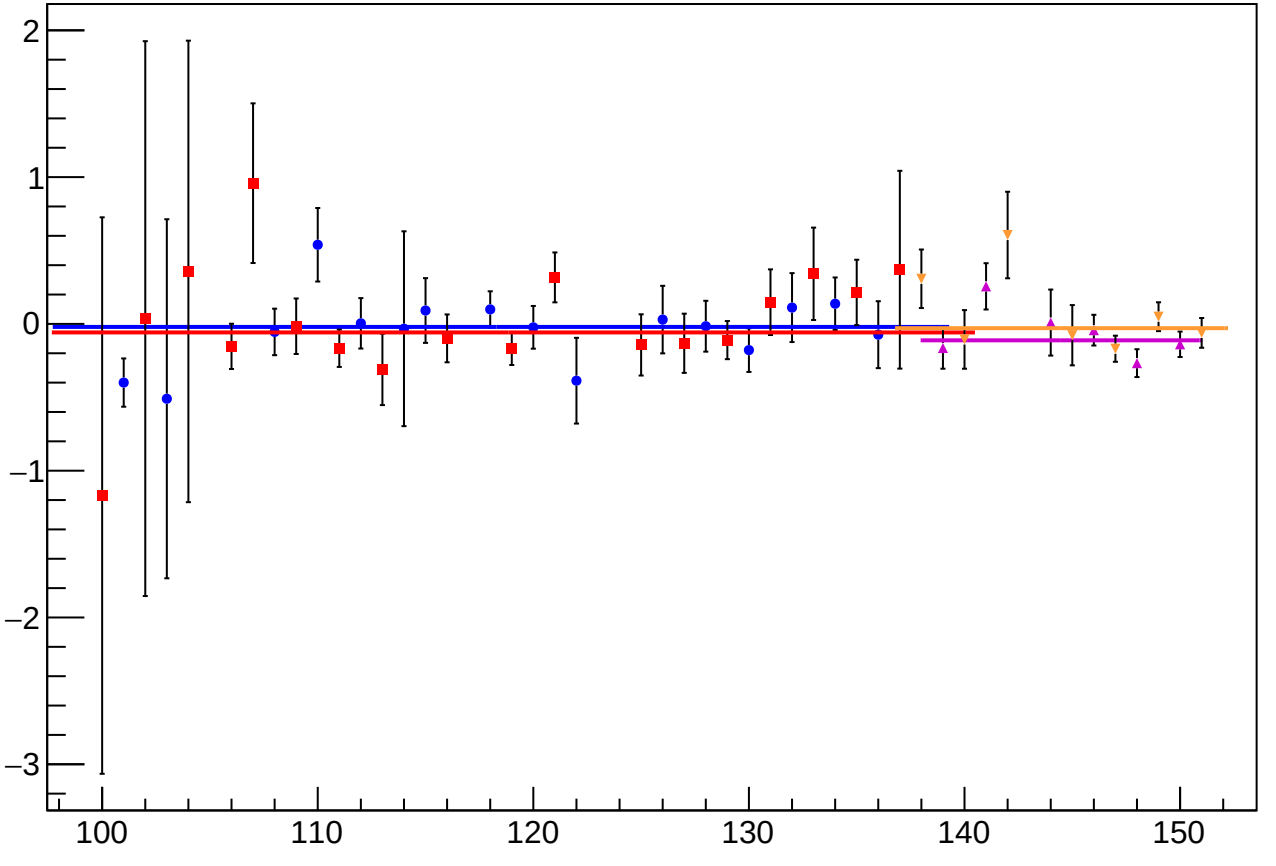
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 105.066+/-0.024 χ^2/NDF:2769168.3/21

Out: 102.858+/-0.024 χ^2/NDF:3951172.0/24

All: 103.968+/-0.017 χ^2/NDF: 6724637.8/46

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: -0.029+/-0.049 χ^2/NDF:10.9/6

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.112+/-0.047 χ^2/NDF:9.1/5

Left: -0.072+/-0.034 χ^2/NDF: 21.4/12

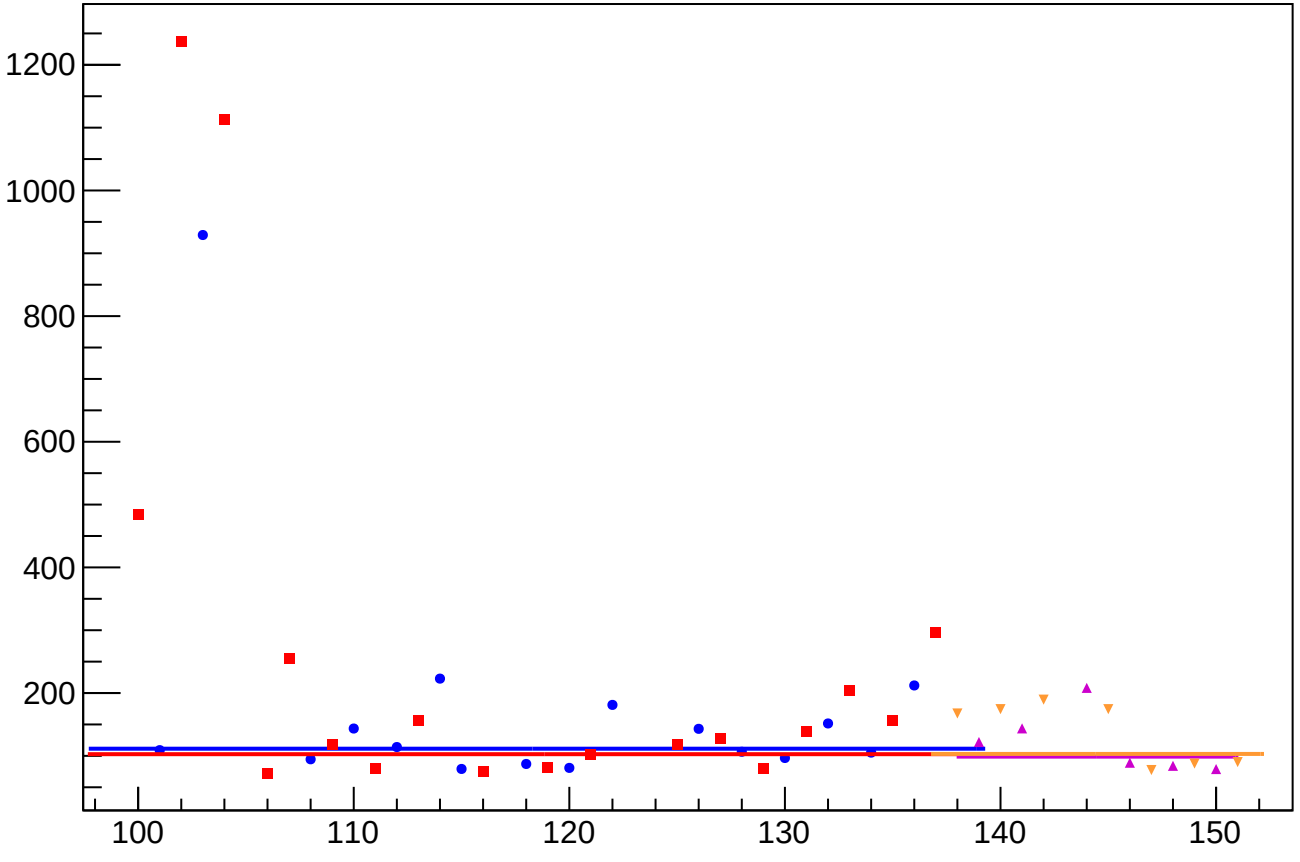
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.066+/-0.034 χ^2/NDF:26.6/21

Out: -0.044+/-0.034 χ^2/NDF:27.9/24

All: -0.056+/-0.024 χ^2/NDF: 54.7/46

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: 103.069+/-0.035 χ^2/NDF:1124254.7/6

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 98.794+/-0.034 χ^2/NDF:859296.6/5

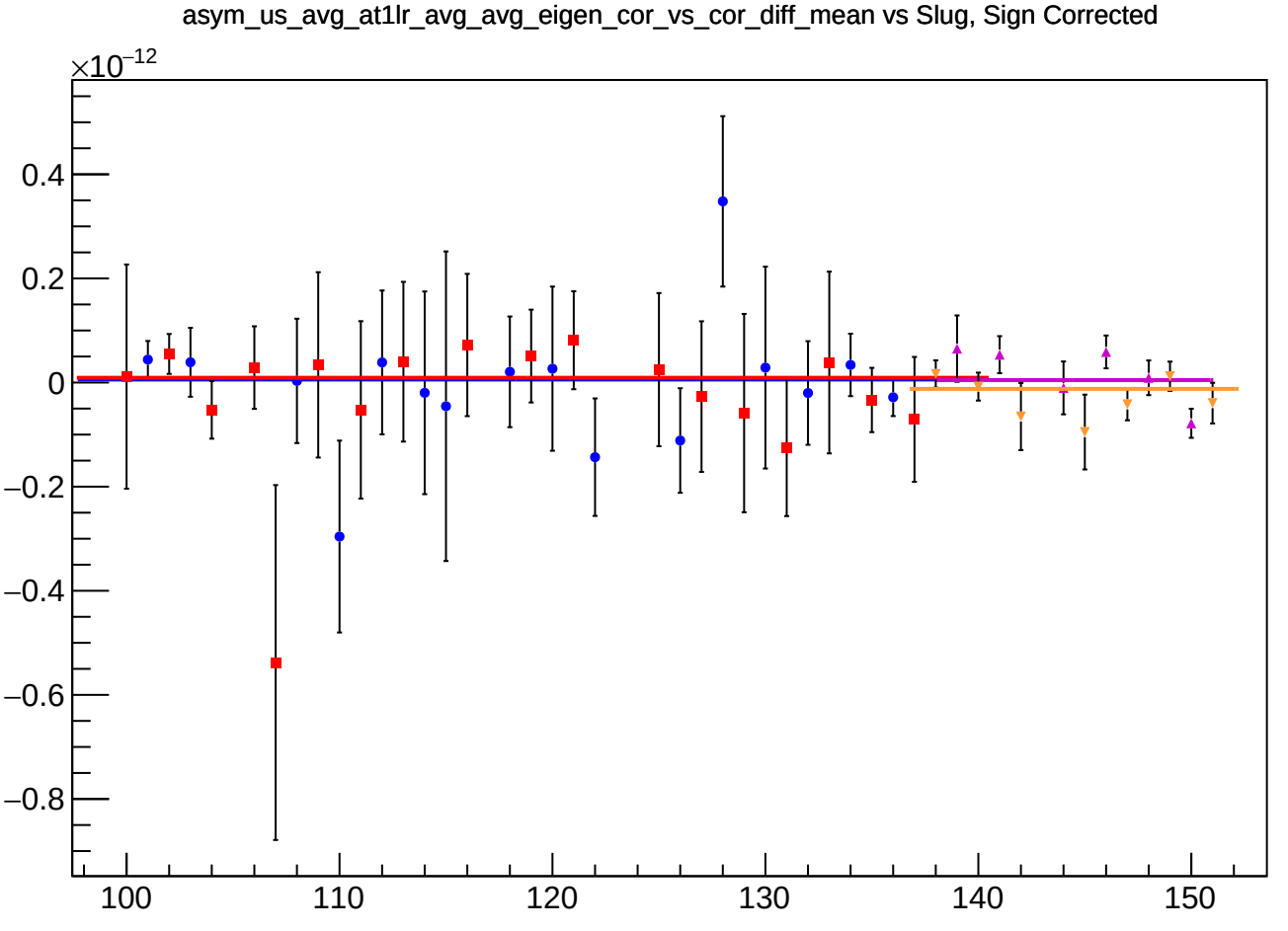
Left: 100.850+/-0.024 χ^2/NDF: 1991381.2/12

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 105.066+/-0.024 χ^2/NDF:2769168.3/21

Out: 102.858+/-0.024 χ^2/NDF:3951172.0/24

All: 103.968+/-0.017 χ^2/NDF: 6724637.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: 0.000+/-0.000 χ^2/NDF:14.7/5

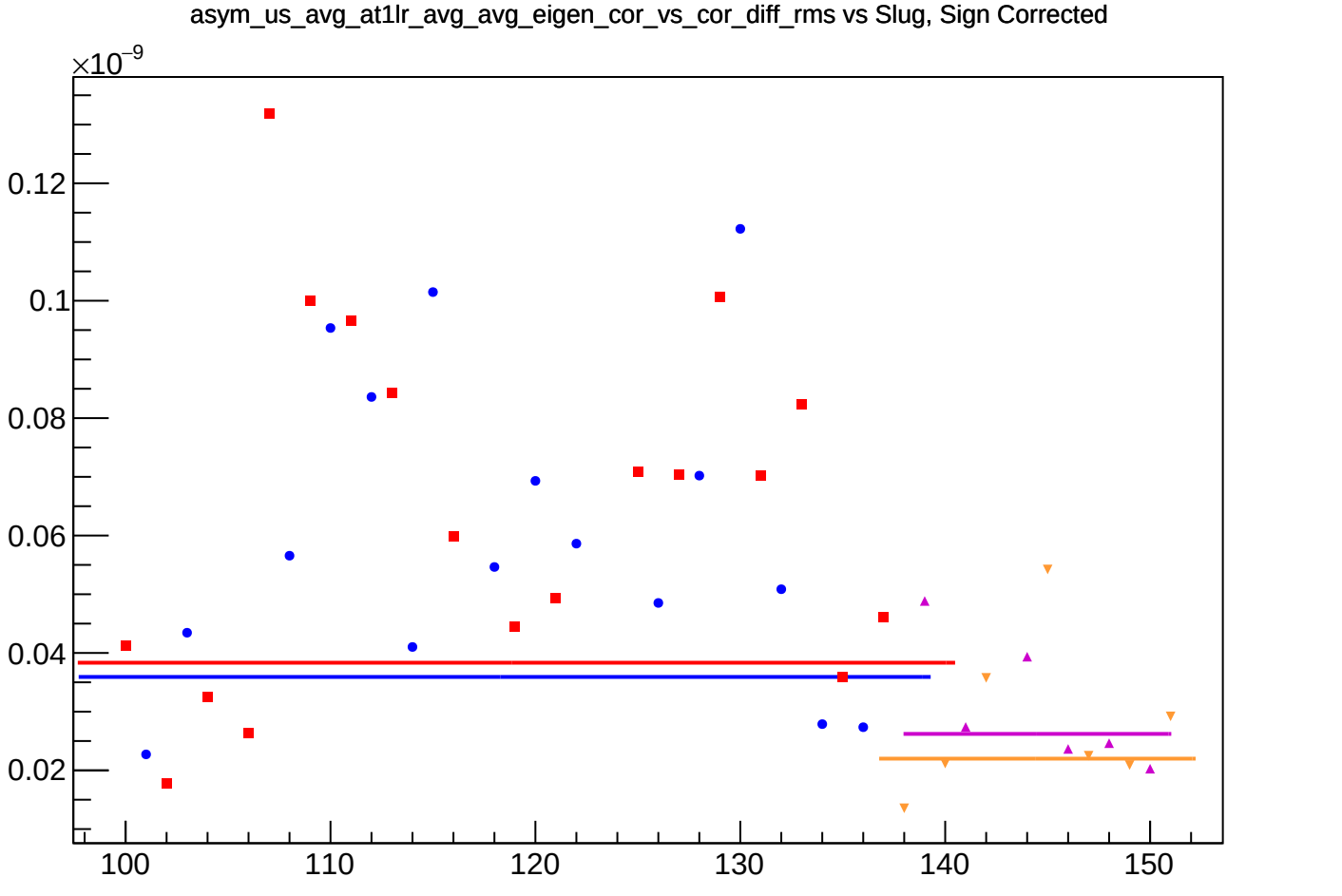
Left: -0.000+/-0.000 χ^2/NDF: 20.8/12

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:27.6/21

Out: -0.000+/-0.000 χ^2/NDF:14.8/24

All: -0.000+/-0.000 χ^2/NDF: 43.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:774149.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:496812.0/5

Left: 0.000+/-0.000 χ^2/NDF: 1365539.0/12

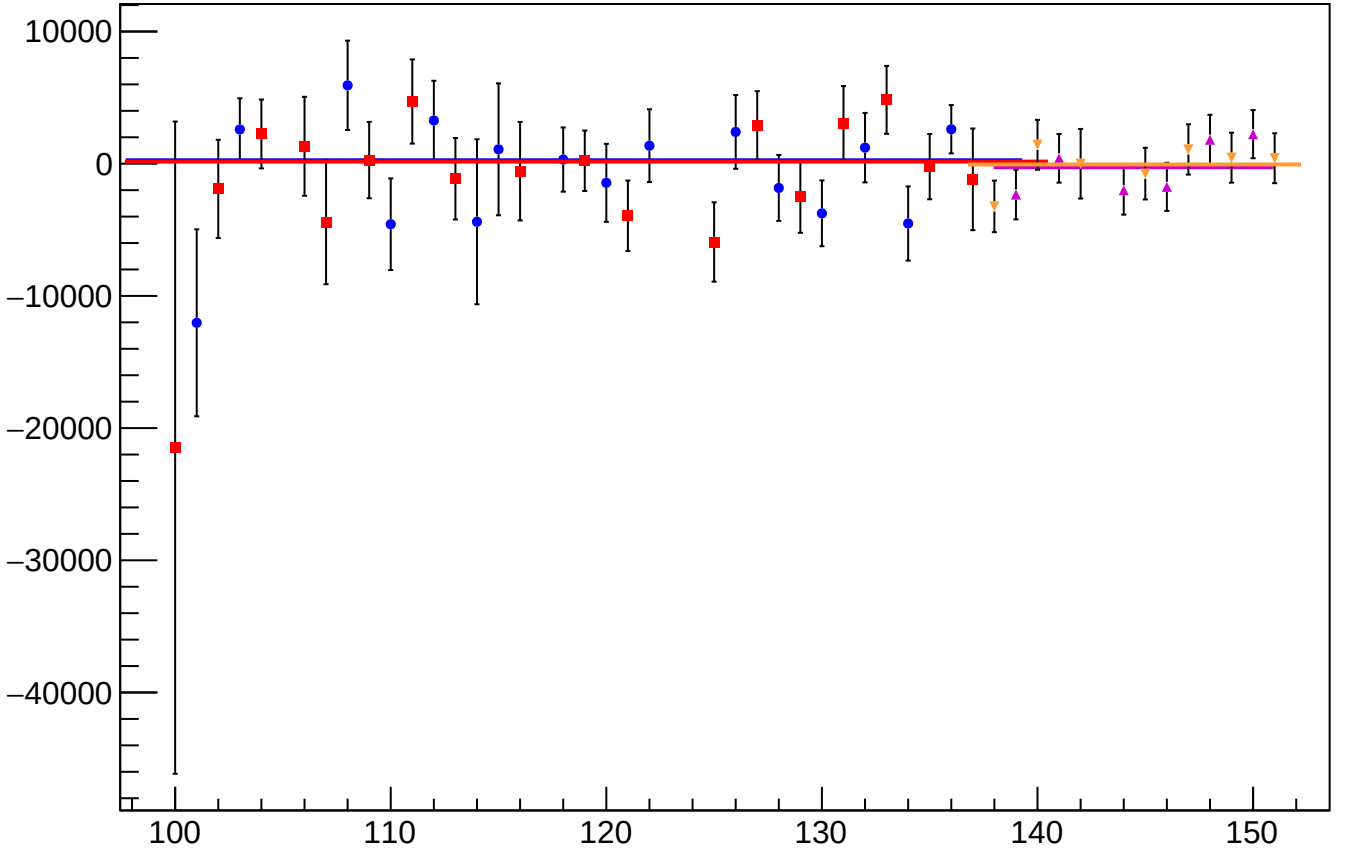
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2578010.4/21

Out: 0.000+/-0.000 χ^2/NDF:3828958.4/24

All: 0.000+/-0.000 χ^2/NDF: 6511401.9/46

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -56.783+/-747.952 χ^2/NDF:3.9/6

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -266.668+/-754.740 χ^2/NDF:6.0/5

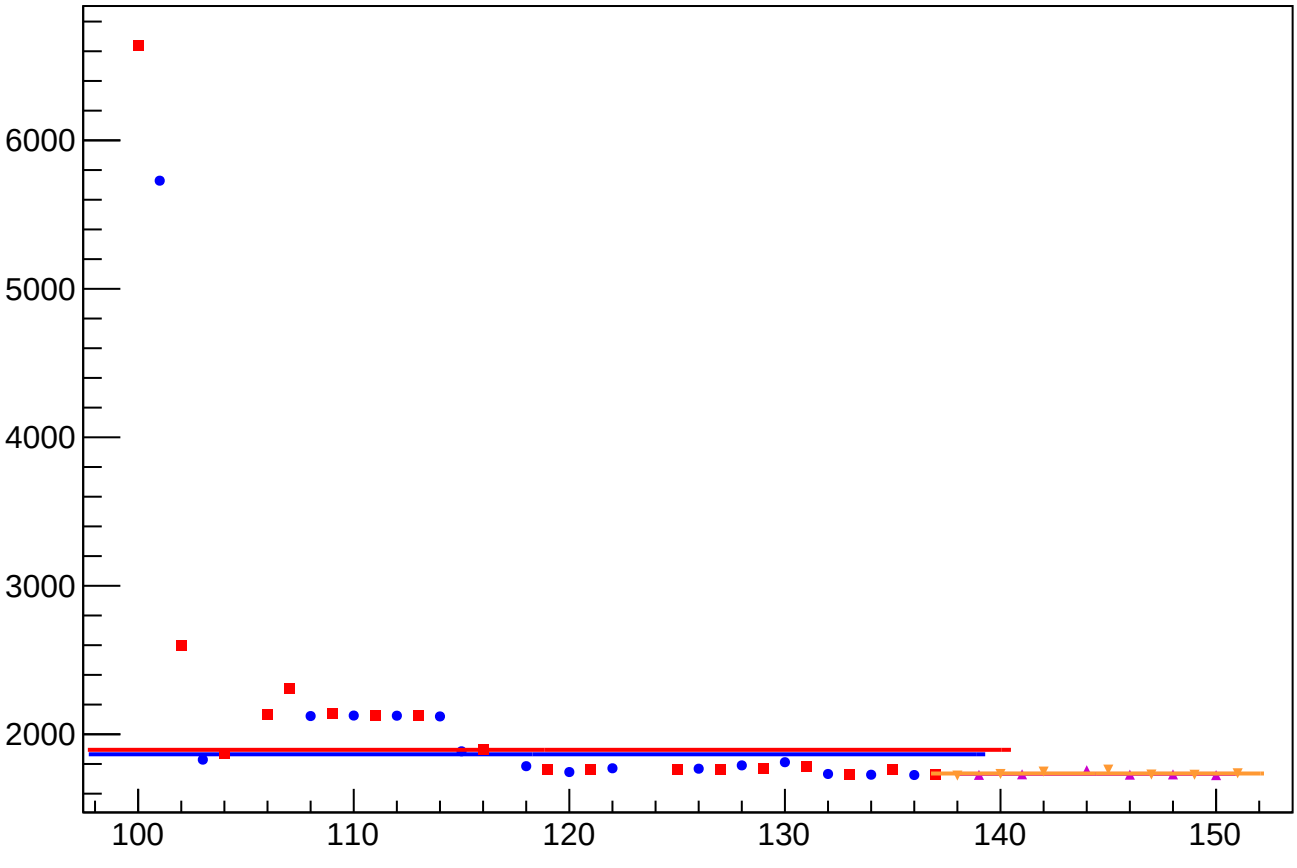
Left: -160.777+/-531.265 χ^2/NDF: 9.9/12

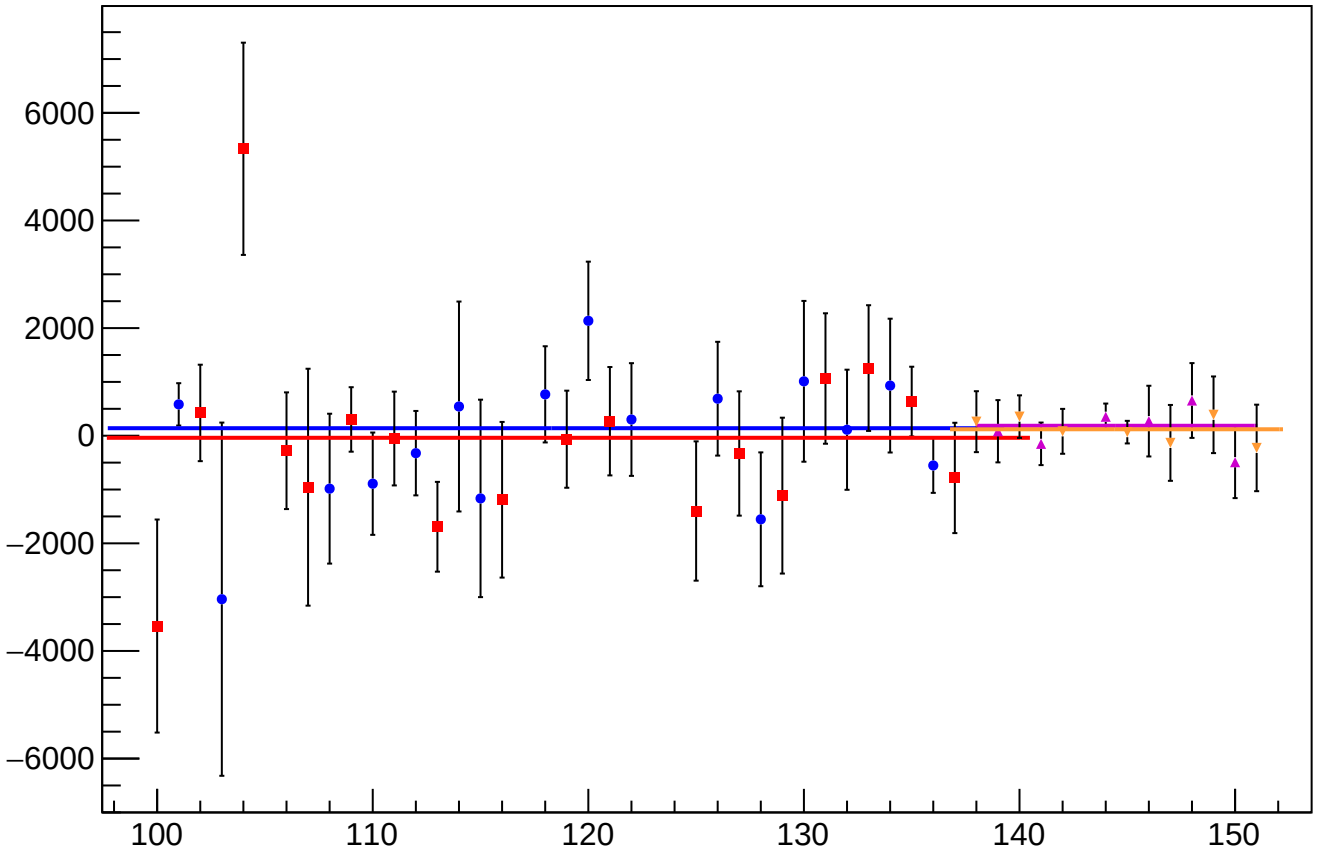
Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 12.585+/-517.023 χ^2/NDF:25.7/21

Out: 56.545+/-515.821 χ^2/NDF:22.0/24

All: 34.616+/-365.165 χ^2/NDF: 47.7/46


reg_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1735.790+/-0.529 χ²/NDF:581.5/6
Right Out: 1895.250+/-0.504 χ²/NDF: 250806.5/17
Left In: 1733.058+/-0.534 χ²/NDF:446.7/5
Left: 1734.436+/-0.376 χ²/NDF: 1041.4/12
Right: 1880.155+/-0.356 χ²/NDF: 925321.0/33
In: 1803.173+/-0.366 χ²/NDF:705694.7/21
Out: 1819.409+/-0.365 χ²/NDF:299057.5/24
All: 1811.310+/-0.258 χ²/NDF: 1005740.6/46



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 119.756+/-151.668 χ^2/NDF:0.9/6

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 184.910+/-174.952 χ^2/NDF:2.7/5

Left: 147.712+/-114.600 χ^2/NDF: 3.7/12

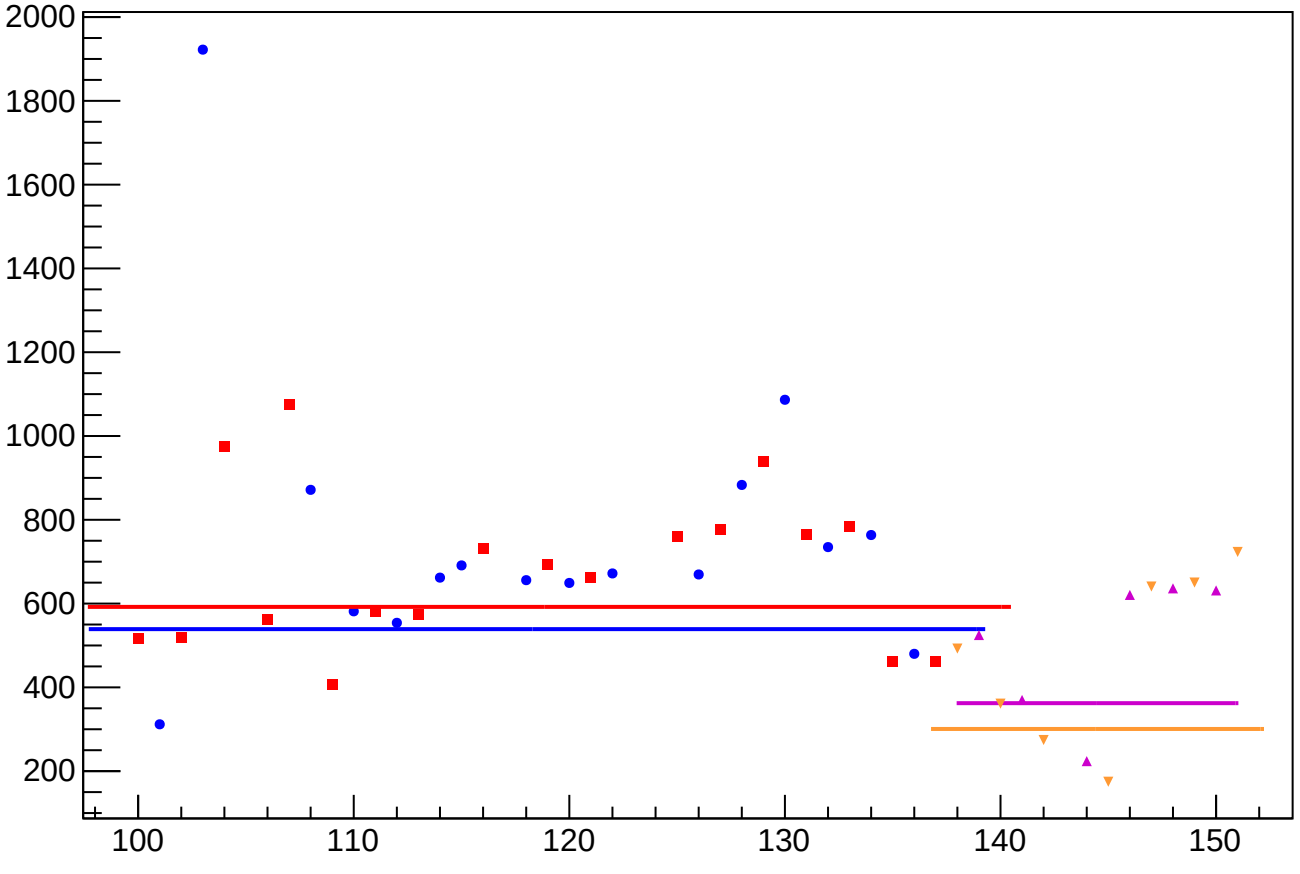
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 167.443+/-136.956 χ^2/NDF:16.2/21

Out: 74.082+/-127.944 χ^2/NDF:22.7/24

All: 117.590+/-93.494 χ^2/NDF: 39.1/46

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: 300.715+/-0.107 χ^2/NDF:2503341.2/6

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 362.293+/-0.124 χ^2/NDF:1741737.7/5

Left: 327.136+/-0.081 χ^2/NDF: 4386536.7/12

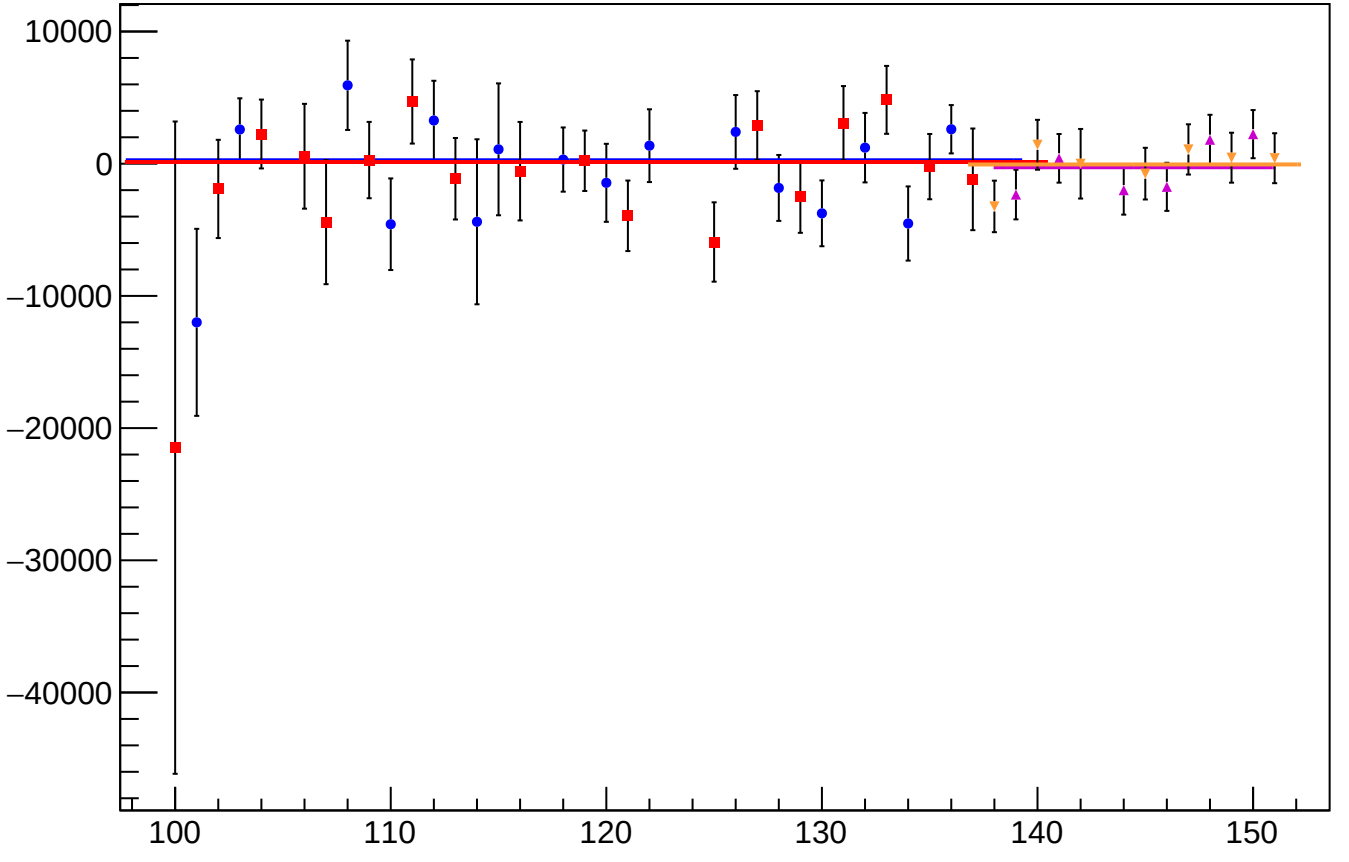
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 430.718+/-0.097 χ^2/NDF:4386448.3/21

Out: 384.744+/-0.090 χ^2/NDF:5475232.7/24

All: 406.169+/-0.066 χ^2/NDF: 9982027.1/46

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: -56.677+/-747.952 χ^2/NDF:3.9/6

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -266.808+/-754.740 χ^2/NDF:6.0/5

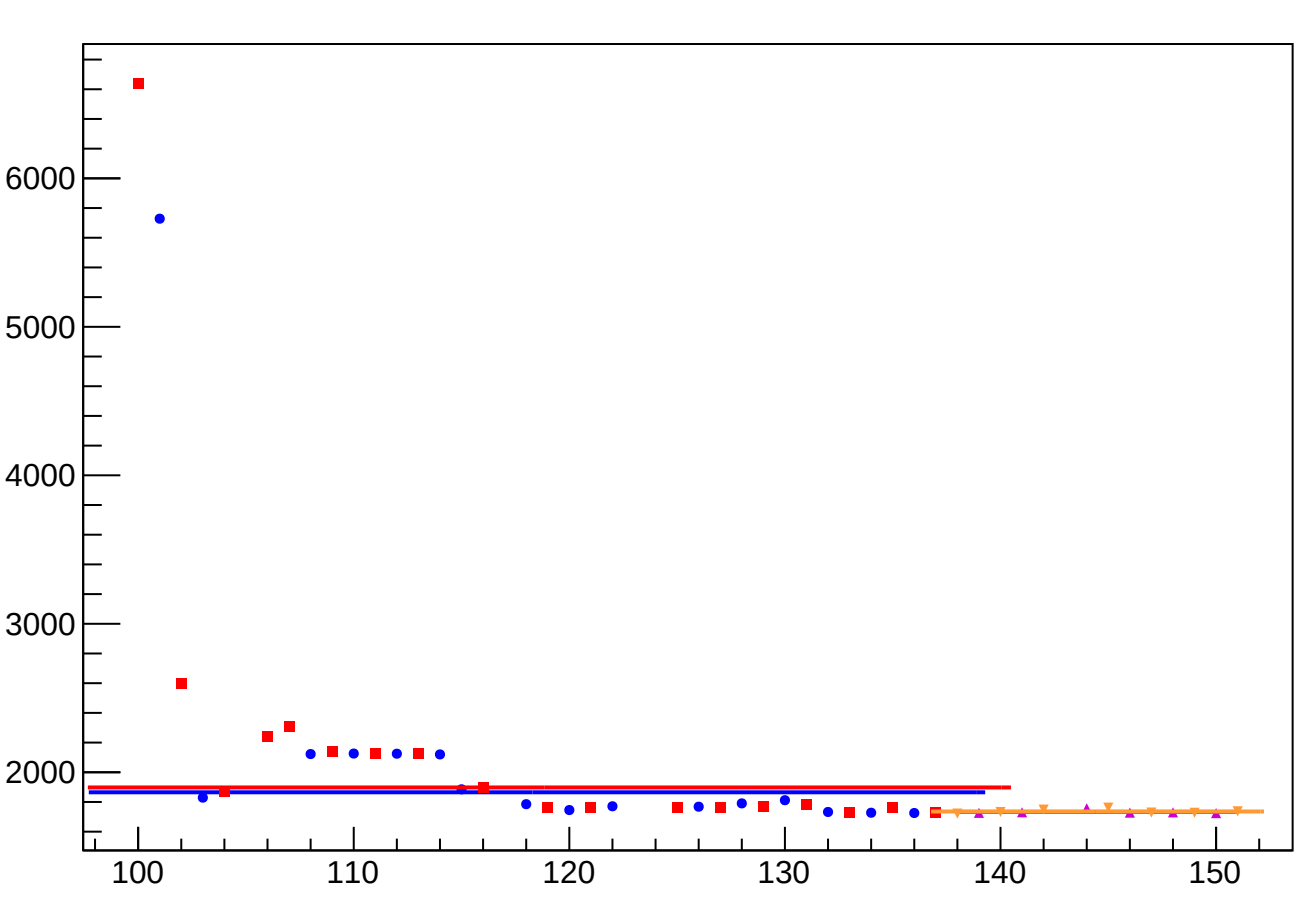
Left: -160.793+/-531.265 χ^2/NDF: 9.9/12

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 12.618+/-517.023 χ^2/NDF:25.7/21

Out: 41.056+/-516.355 χ^2/NDF:21.9/24

All: 26.856+/-365.354 χ^2/NDF: 47.6/46



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.790+/-0.529 χ^2/NDF:581.5/6

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.058+/-0.534 χ^2/NDF:446.7/5

Left: 1734.436+/-0.376 χ^2/NDF: 1041.4/12

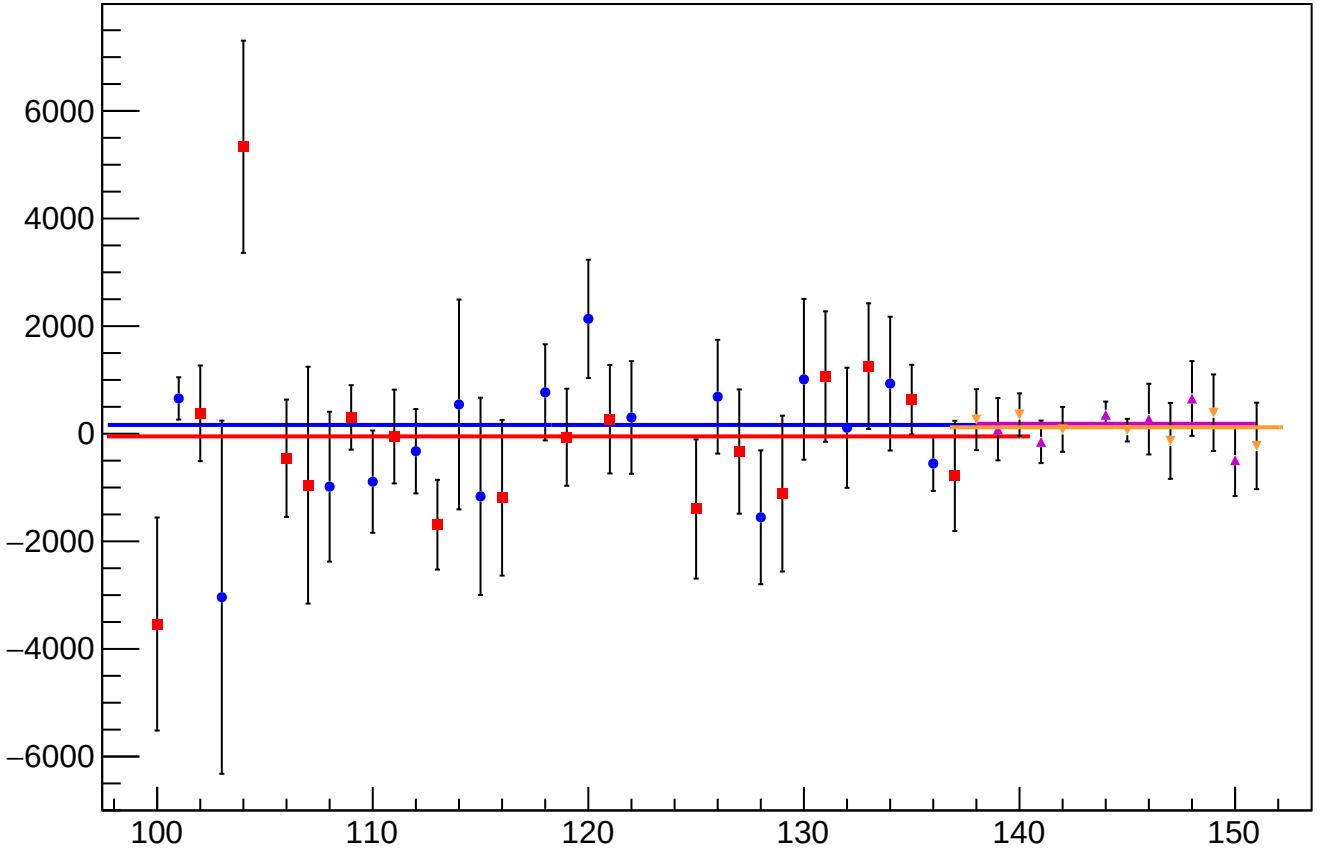
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1803.173+/-0.366 χ^2/NDF:705694.6/21

Out: 1820.535+/-0.365 χ^2/NDF:307369.9/24

All: 1811.865+/-0.258 χ^2/NDF: 1014193.5/46

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 119.630+/-151.671 χ^2/NDF:0.9/6

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 184.895+/-174.953 χ^2/NDF:2.7/5

Left: 147.634+/-114.602 χ^2/NDF: 3.7/12

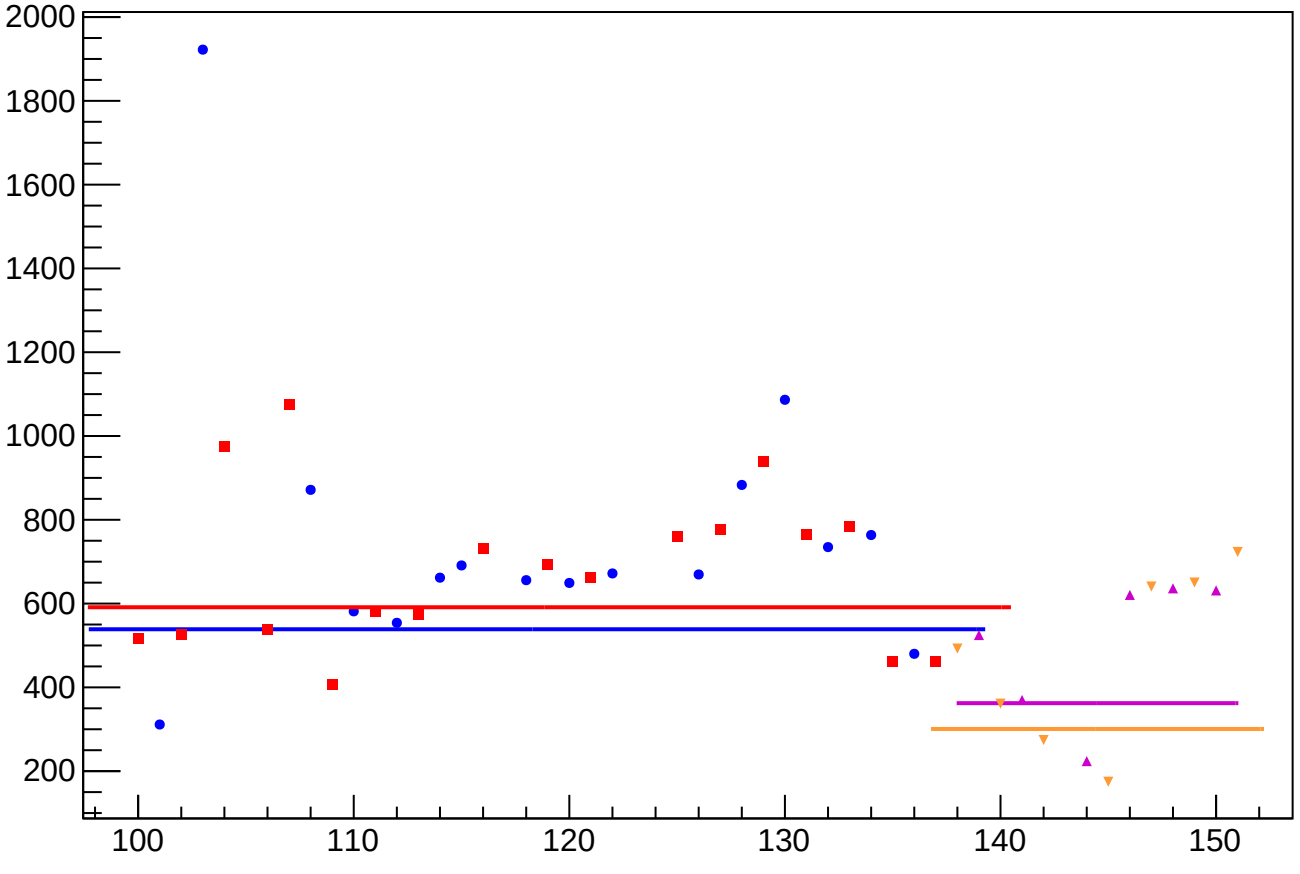
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 176.471+/-136.939 χ^2/NDF:16.6/21

Out: 70.805+/-127.937 χ^2/NDF:22.7/24

All: 120.051+/-93.486 χ^2/NDF: 39.7/46

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: 300.722+/-0.107 χ^2/NDF:2503311.9/6

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 362.302+/-0.124 χ^2/NDF:1741527.9/5

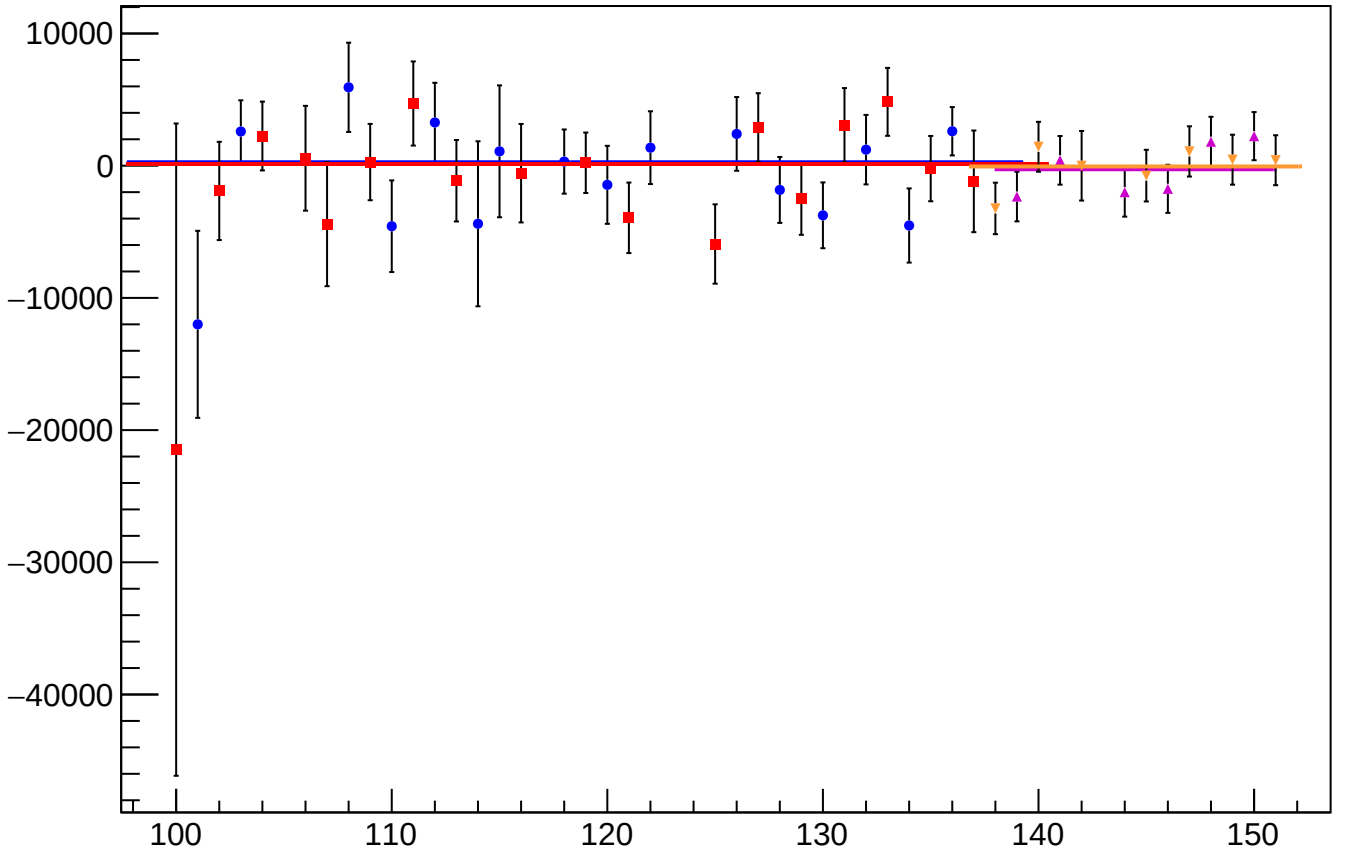
Left: 327.145+/-0.081 χ^2/NDF: 4386303.2/12

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 430.632+/-0.097 χ^2/NDF:4388008.6/21

Out: 384.531+/-0.090 χ^2/NDF:5464704.7/24

All: 406.017+/-0.066 χ^2/NDF: 9973744.2/46



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -56.677+/-747.952 χ^2/NDF:3.9/6

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -266.808+/-754.740 χ^2/NDF:6.0/5

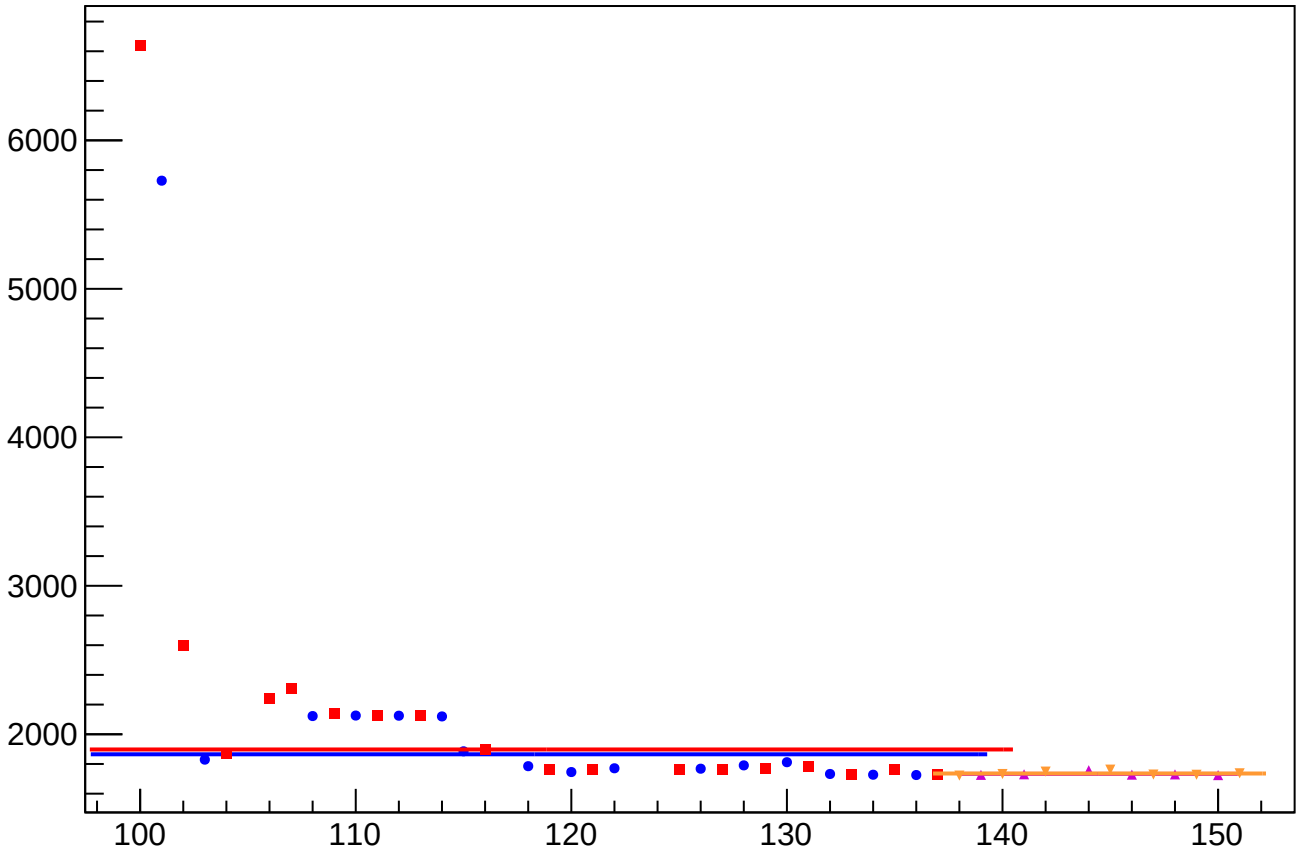
Left: -160.793+/-531.265 χ^2/NDF: 9.9/12

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 12.618+/-517.023 χ^2/NDF:25.7/21

Out: 41.056+/-516.355 χ^2/NDF:21.9/24

All: 26.856+/-365.354 χ^2/NDF: 47.6/46



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1735.790+/-0.529 χ^2/NDF:581.5/6

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.058+/-0.534 χ^2/NDF:446.7/5

Left: 1734.436+/-0.376 χ^2/NDF: 1041.4/12

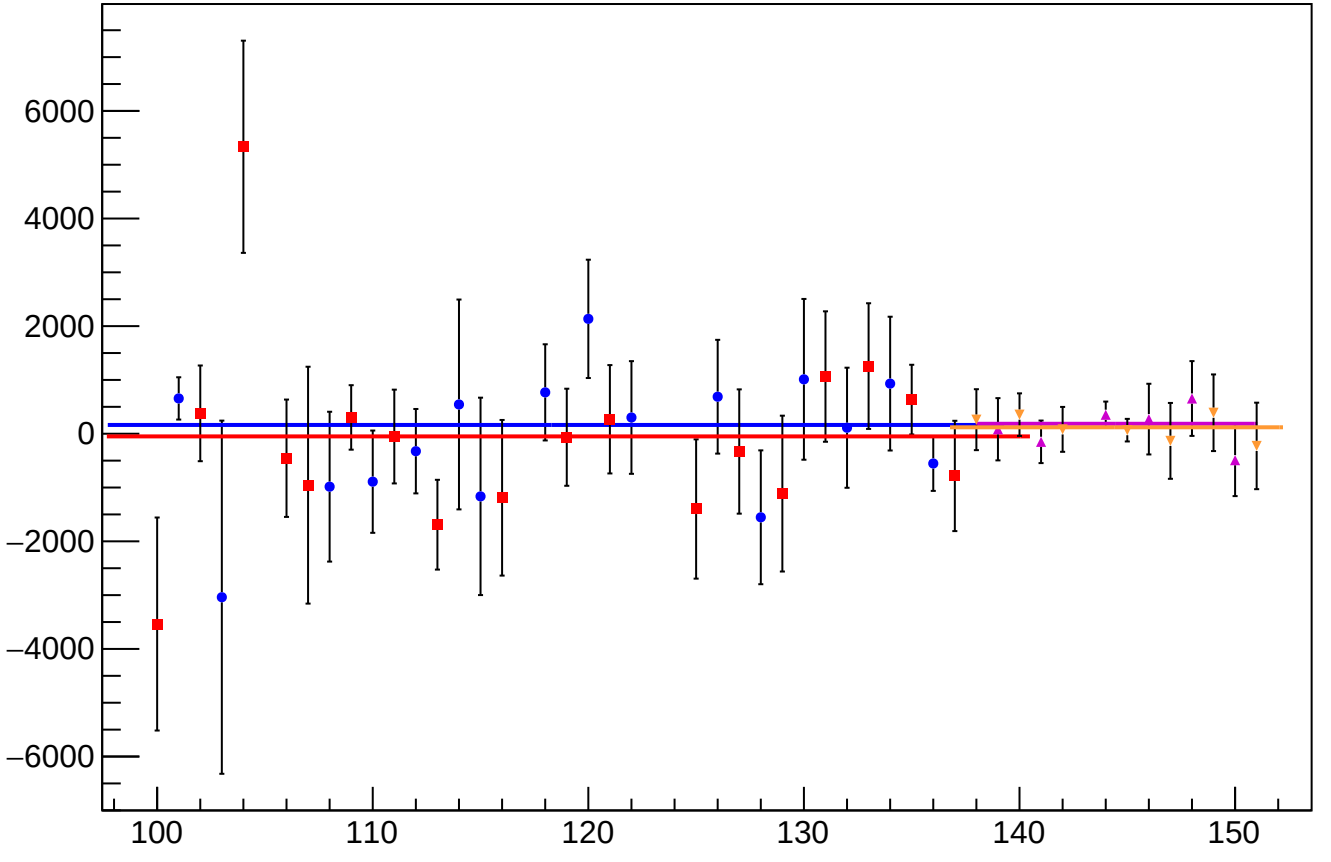
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1803.173+/-0.366 χ^2/NDF:705694.6/21

Out: 1820.535+/-0.365 χ^2/NDF:307369.9/24

All: 1811.865+/-0.258 χ^2/NDF: 1014193.5/46

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: 119.630+/-151.671 χ^2/NDF:0.9/6

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 184.895+/-174.953 χ^2/NDF:2.7/5

Left: 147.634+/-114.602 χ^2/NDF: 3.7/12

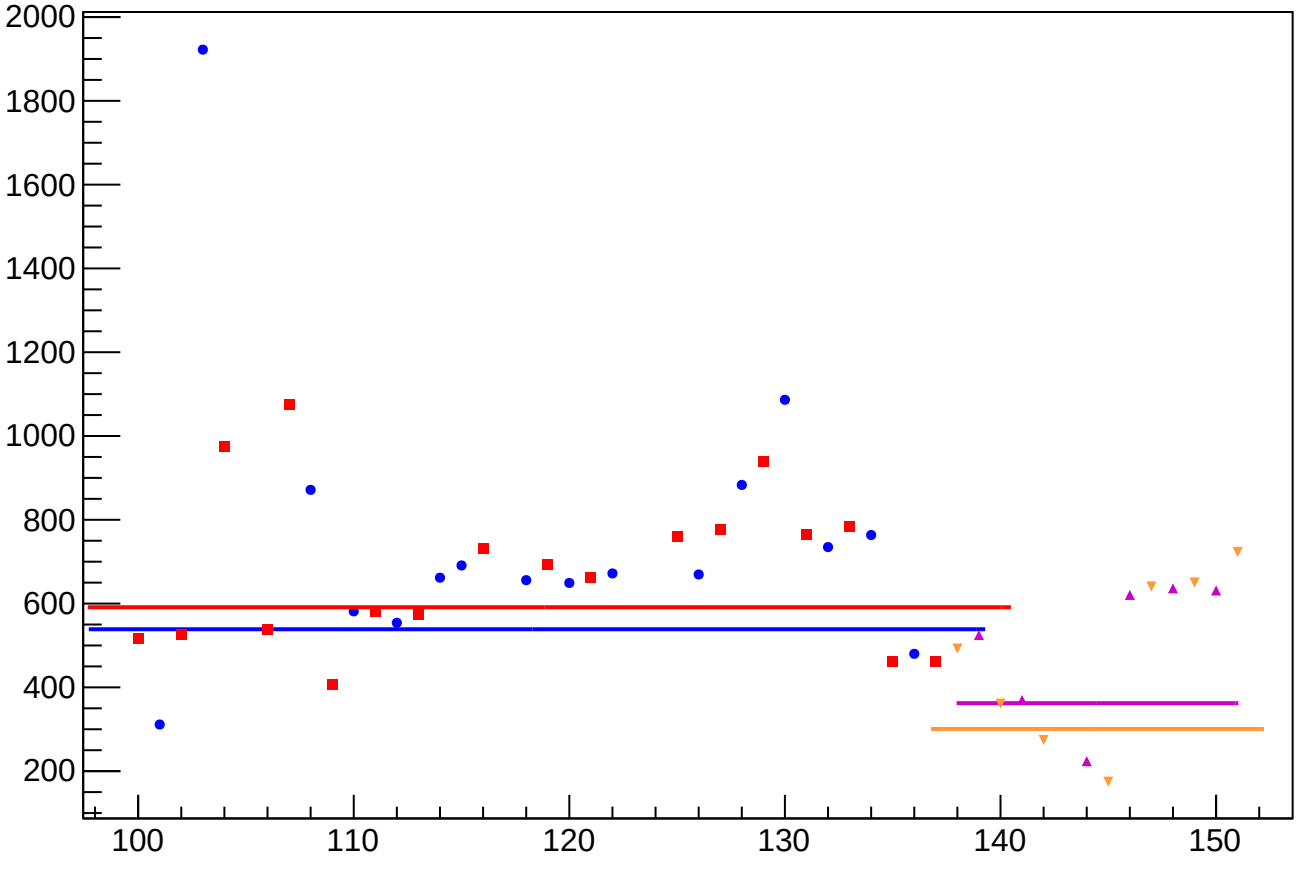
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 176.471+/-136.939 χ^2/NDF:16.6/21

Out: 70.805+/-127.937 χ^2/NDF:22.7/24

All: 120.051+/-93.486 χ^2/NDF: 39.7/46

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: 300.722+/-0.107 χ^2/NDF:2503311.9/6

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 362.302+/-0.124 χ^2/NDF:1741527.9/5

Left: 327.145+/-0.081 χ^2/NDF: 4386303.2/12

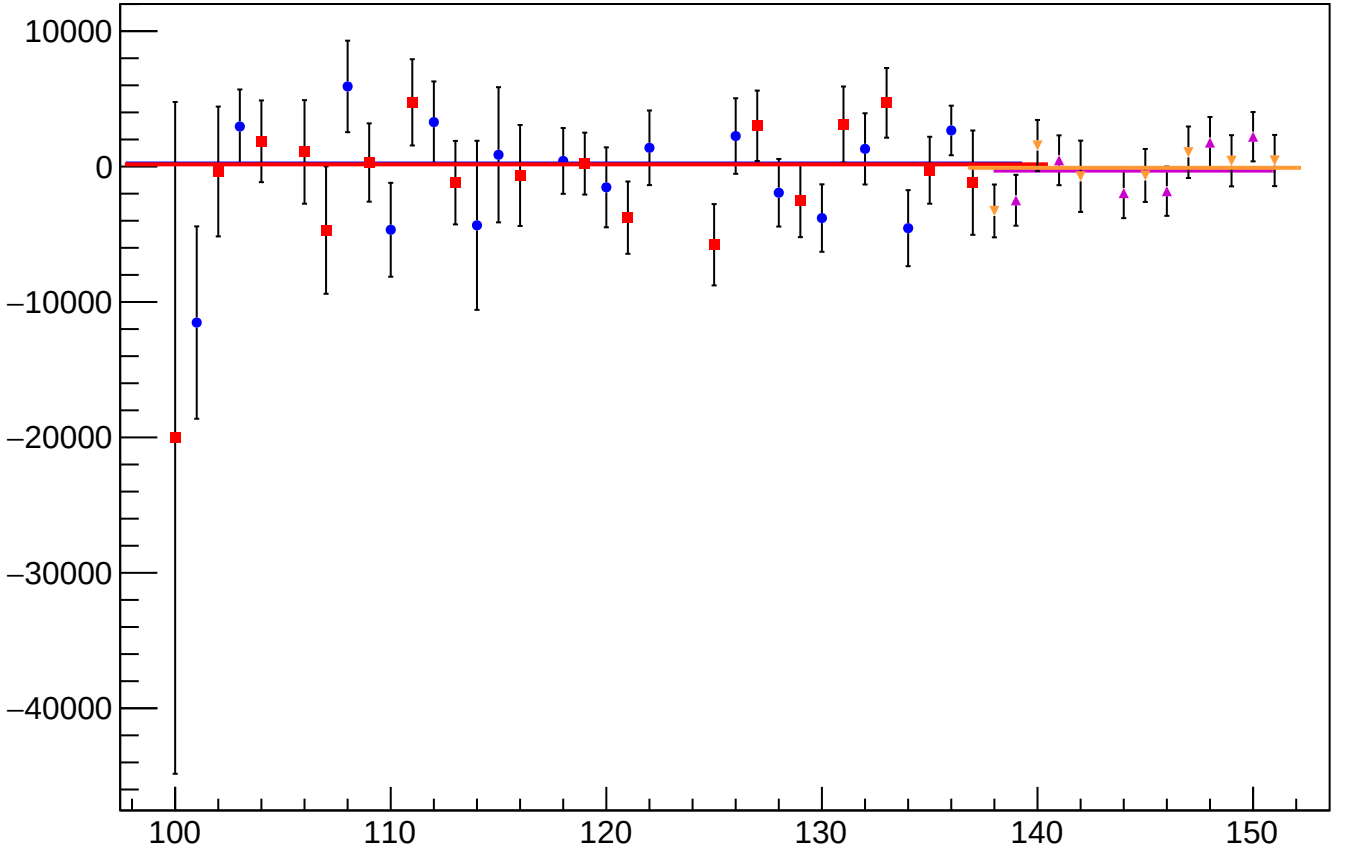
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 430.632+/-0.097 χ^2/NDF:4388008.6/21

Out: 384.531+/-0.090 χ^2/NDF:5464704.7/24

All: 406.017+/-0.066 χ^2/NDF: 9973744.2/46

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -90.549+/-748.347 χ^2/NDF:4.1/6

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -298.363+/-755.189 χ^2/NDF:6.1/5

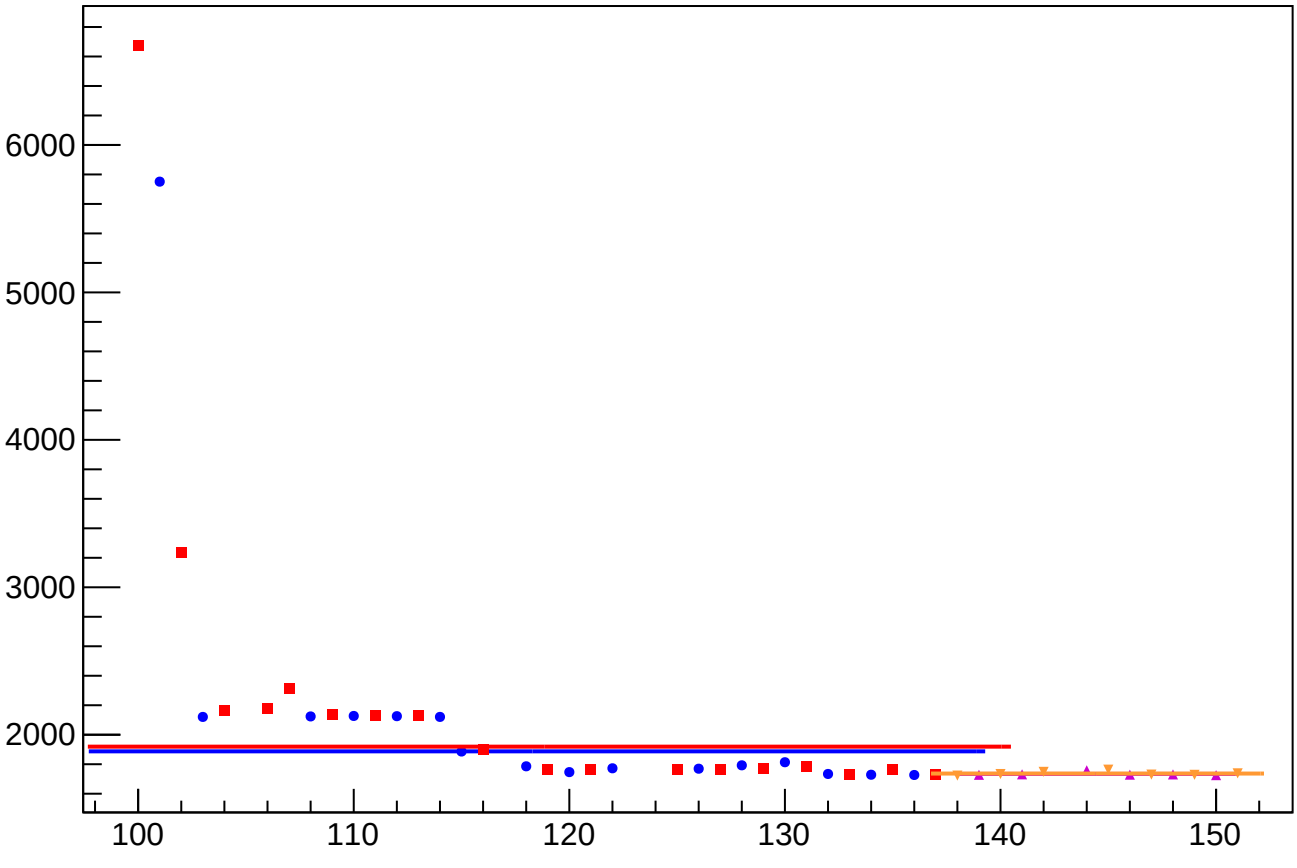
Left: -193.510+/-531.564 χ^2/NDF: 10.2/12

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -23.036+/-520.565 χ^2/NDF:25.8/21

Out: 40.469+/-521.006 χ^2/NDF:21.2/24

All: 8.689+/-368.251 χ^2/NDF: 47.0/46



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1736.703+/-0.529 χ^2/NDF:578.7/6

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.086+/-0.534 χ^2/NDF:439.2/5

Left: 1735.407+/-0.376 χ^2/NDF: 1030.0/12

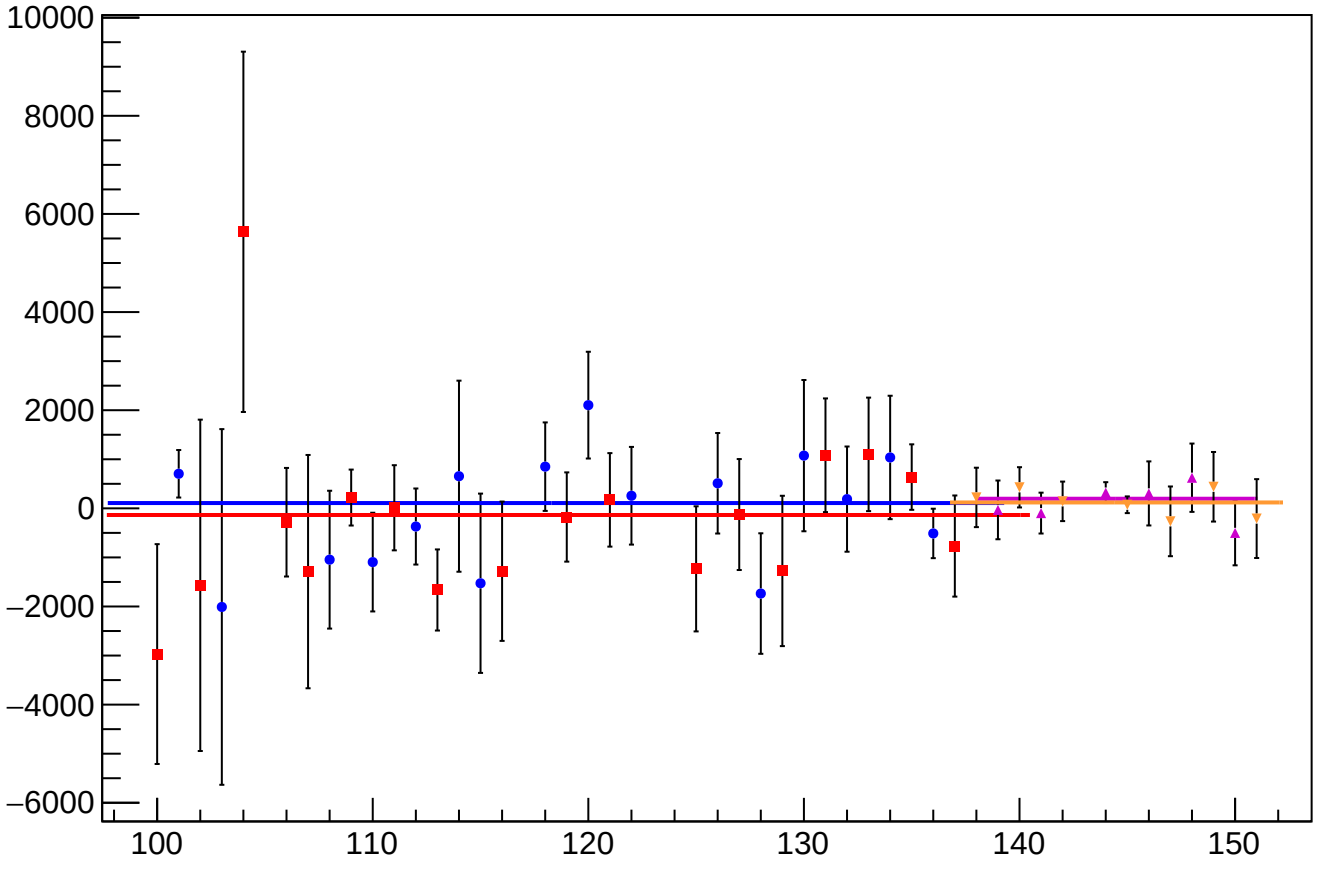
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1814.505+/-0.368 χ^2/NDF:733093.3/21

Out: 1830.724+/-0.368 χ^2/NDF:414411.6/24

All: 1822.607+/-0.260 χ^2/NDF: 1148474.9/46

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: 120.091+/-135.048 χ^2/NDF:1.3/6

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 195.922+/-163.411 χ^2/NDF:2.5/5

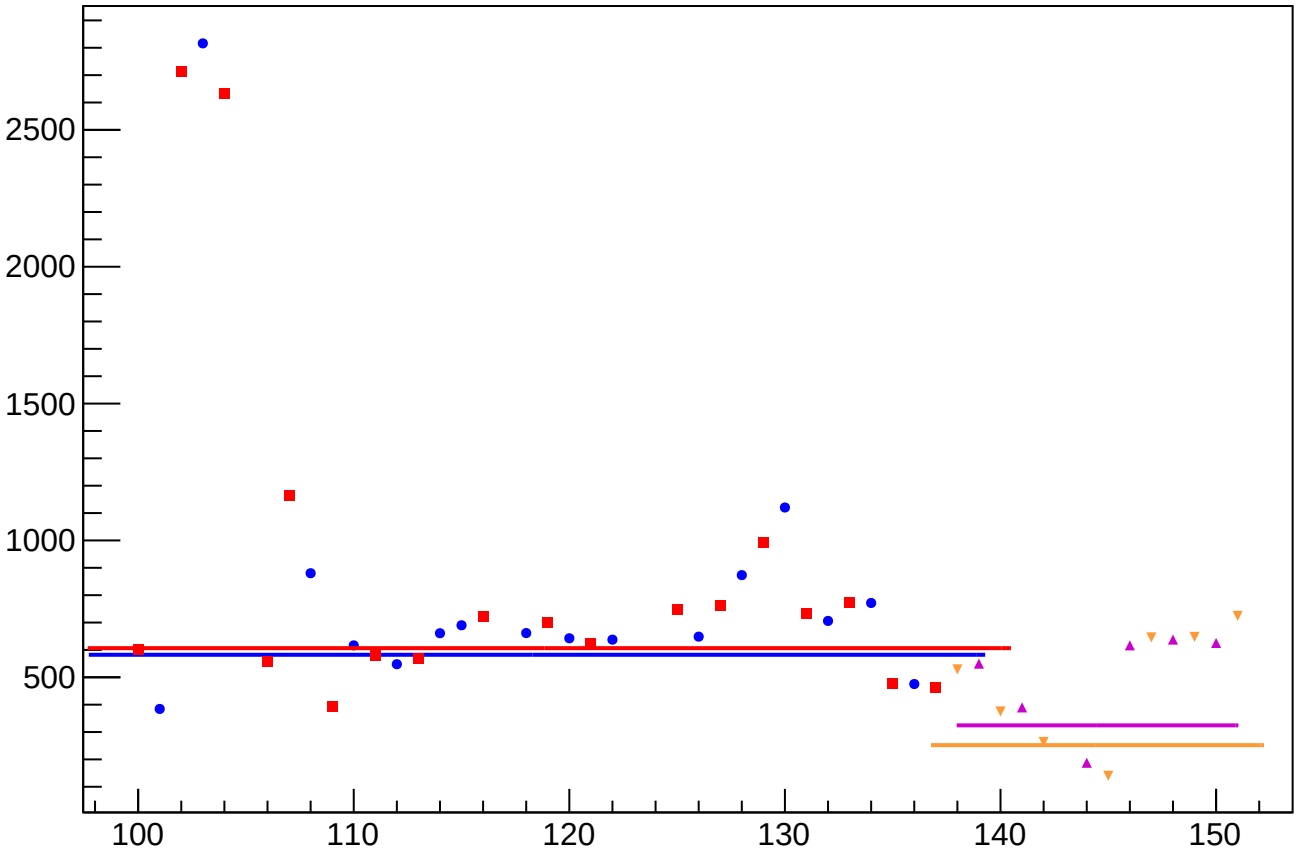
Left: 150.864+/-104.099 χ^2/NDF: 4.0/12

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 166.761+/-133.542 χ^2/NDF:16.7/21

Out: 60.909+/-118.375 χ^2/NDF:16.5/24

All: 107.485+/-88.583 χ^2/NDF: 33.6/46



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 252.061+/-0.095 χ^2/NDF:3389259.1/6

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 324.378+/-0.116 χ^2/NDF:2382851.5/5

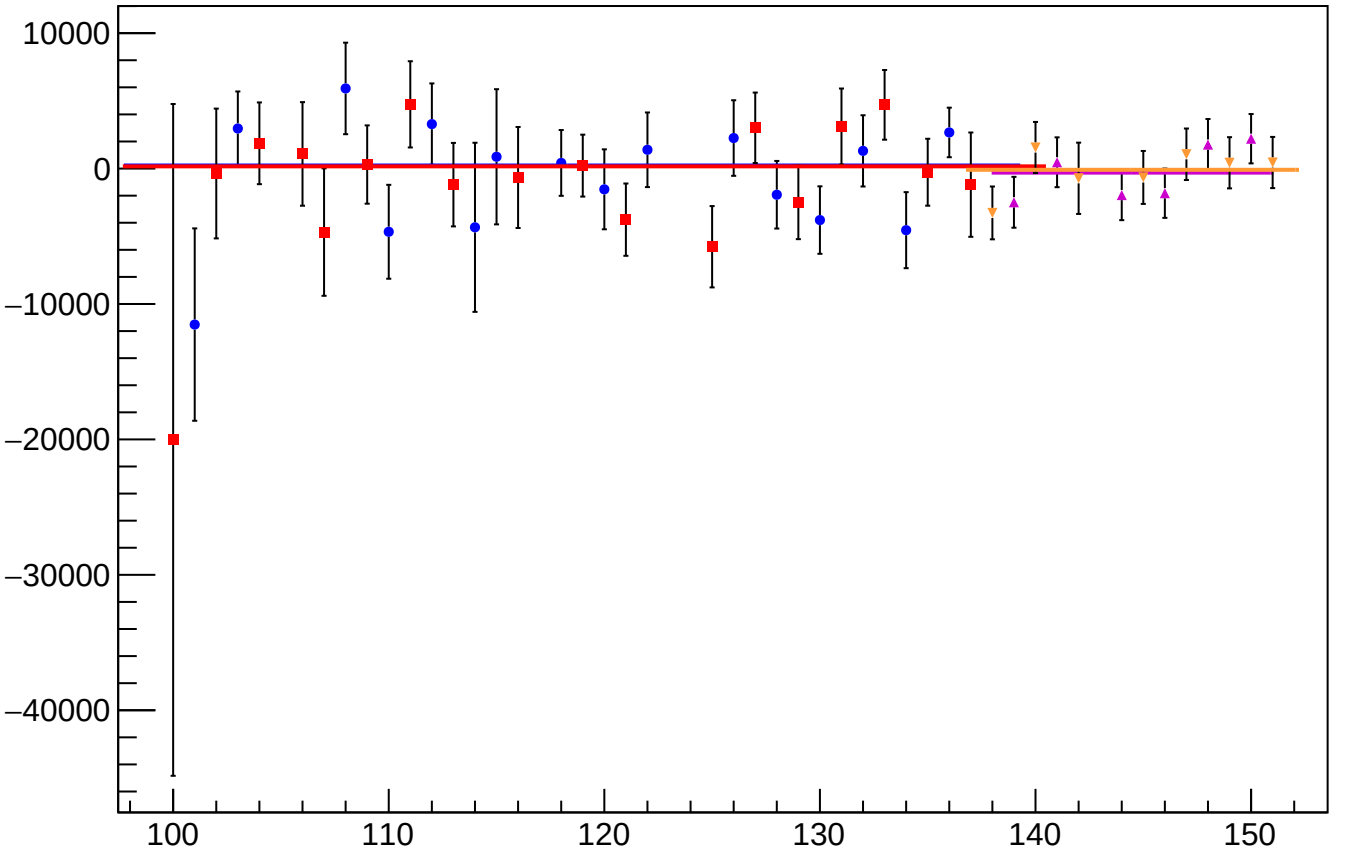
Left: 281.409+/-0.074 χ^2/NDF: 6004841.7/12

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 410.039+/-0.094 χ^2/NDF:5791735.4/21

Out: 334.166+/-0.084 χ^2/NDF:8778458.9/24

All: 367.551+/-0.063 χ^2/NDF: 14931725.7/46



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -90.552+/-748.347 χ^2/NDF:4.1/6

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -298.363+/-755.189 χ^2/NDF:6.1/5

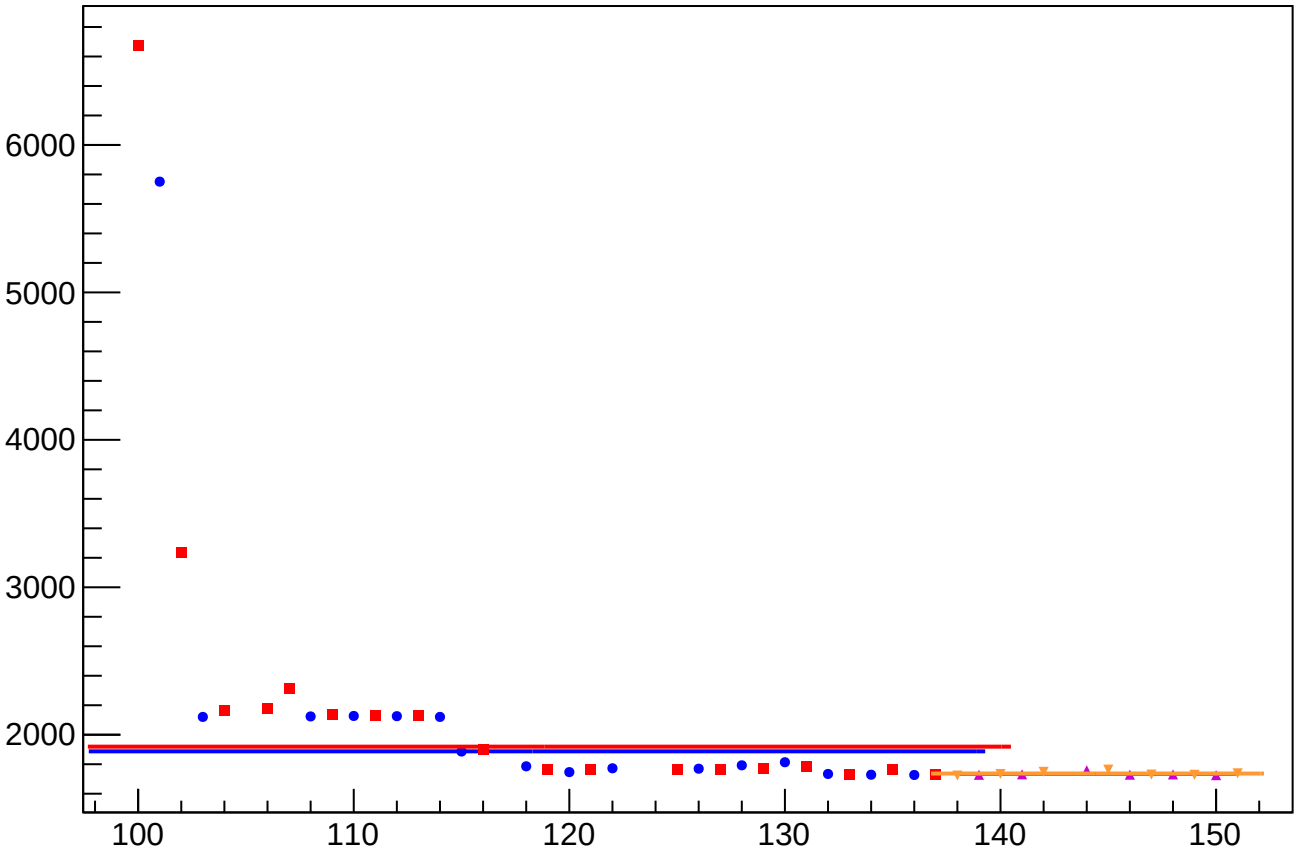
Left: -193.511+/-531.564 χ^2/NDF: 10.2/12

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -23.036+/-520.565 χ^2/NDF:25.8/21

Out: 40.468+/-521.006 χ^2/NDF:21.2/24

All: 8.689+/-368.251 χ^2/NDF: 47.0/46



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1736.703+/-0.529 χ^2/NDF:578.7/6

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.086+/-0.534 χ^2/NDF:439.2/5

Left: 1735.407+/-0.376 χ^2/NDF: 1030.0/12

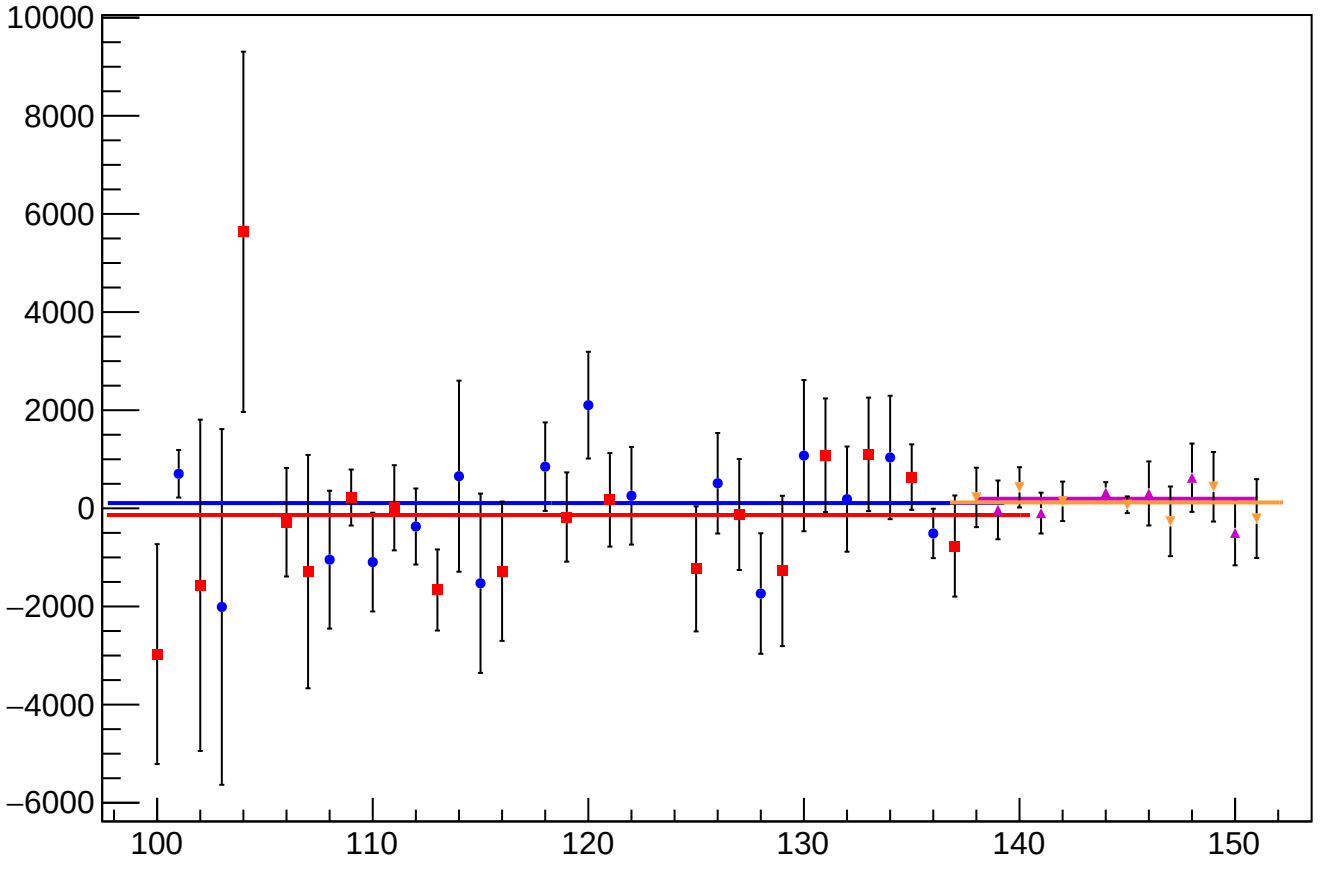
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1814.504+/-0.368 χ^2/NDF:733093.0/21

Out: 1830.724+/-0.368 χ^2/NDF:414410.8/24

All: 1822.607+/-0.260 χ^2/NDF: 1148473.7/46

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: 120.089+/-135.048 χ^2/NDF:1.3/6

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 195.922+/-163.412 χ^2/NDF:2.5/5

Left: 150.863+/-104.100 χ^2/NDF: 4.0/12

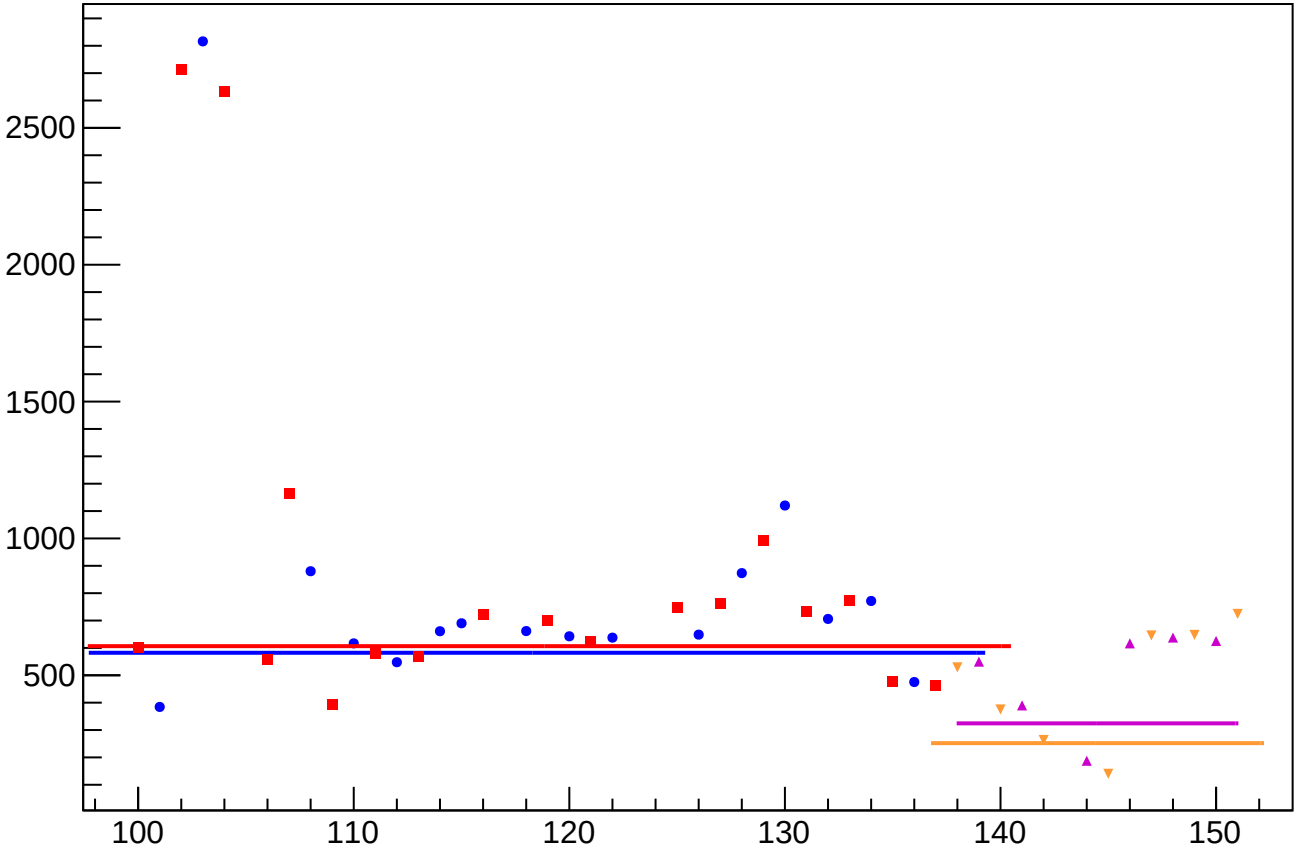
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 166.760+/-133.542 χ^2/NDF:16.7/21

Out: 60.907+/-118.375 χ^2/NDF:16.5/24

All: 107.484+/-88.583 χ^2/NDF: 33.6/46

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: 252.061+/-0.095 χ^2/NDF:3389275.4/6

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 324.378+/-0.116 χ^2/NDF:2382860.9/5

Left: 281.409+/-0.074 χ^2/NDF: 6004869.4/12

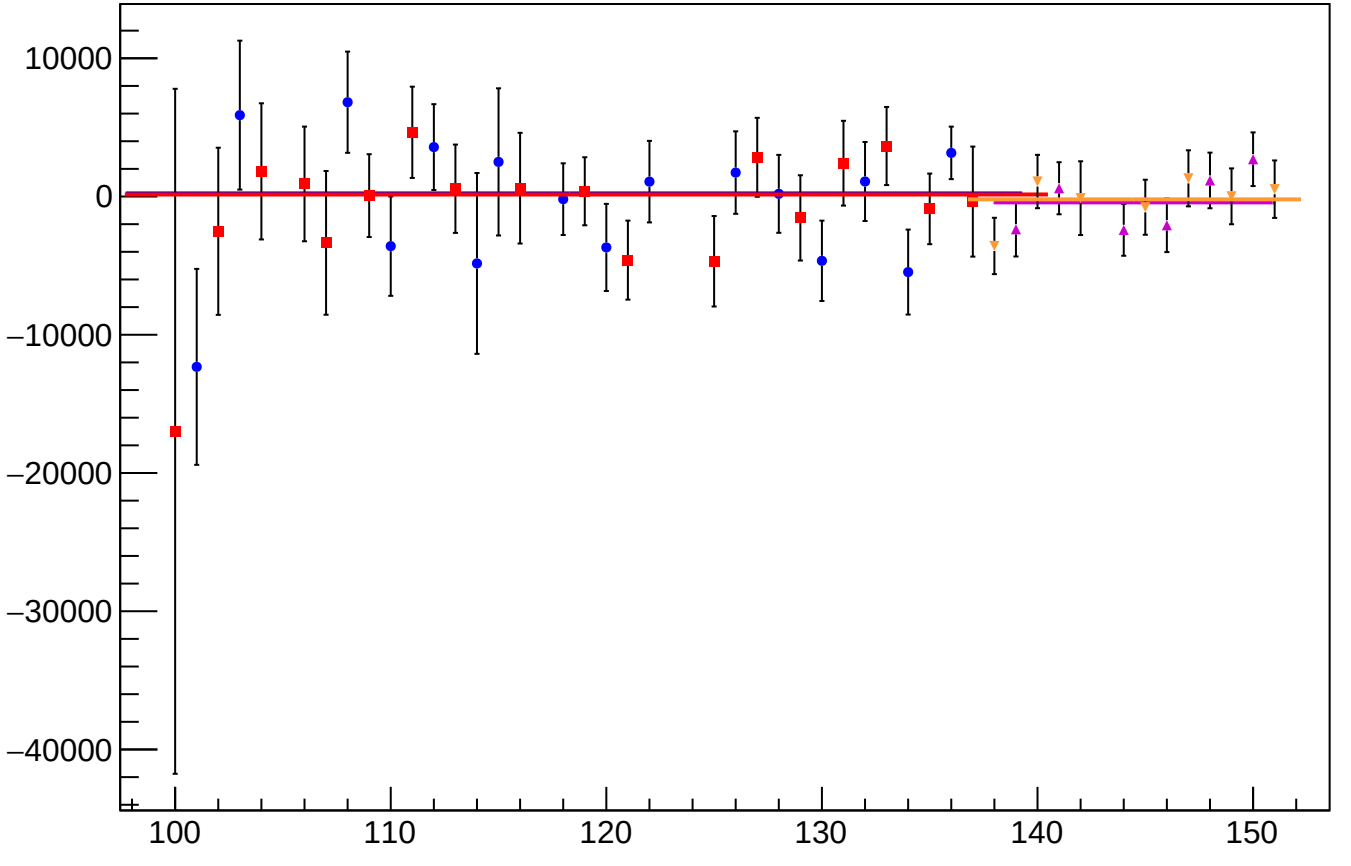
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 410.039+/-0.094 χ^2/NDF:5791712.4/21

Out: 334.166+/-0.084 χ^2/NDF:8778450.6/24

All: 367.551+/-0.063 χ^2/NDF: 14931698.2/46

asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -206.494+/-785.278 χ^2/NDF:4.0/6

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -423.233+/-789.847 χ^2/NDF:6.3/5

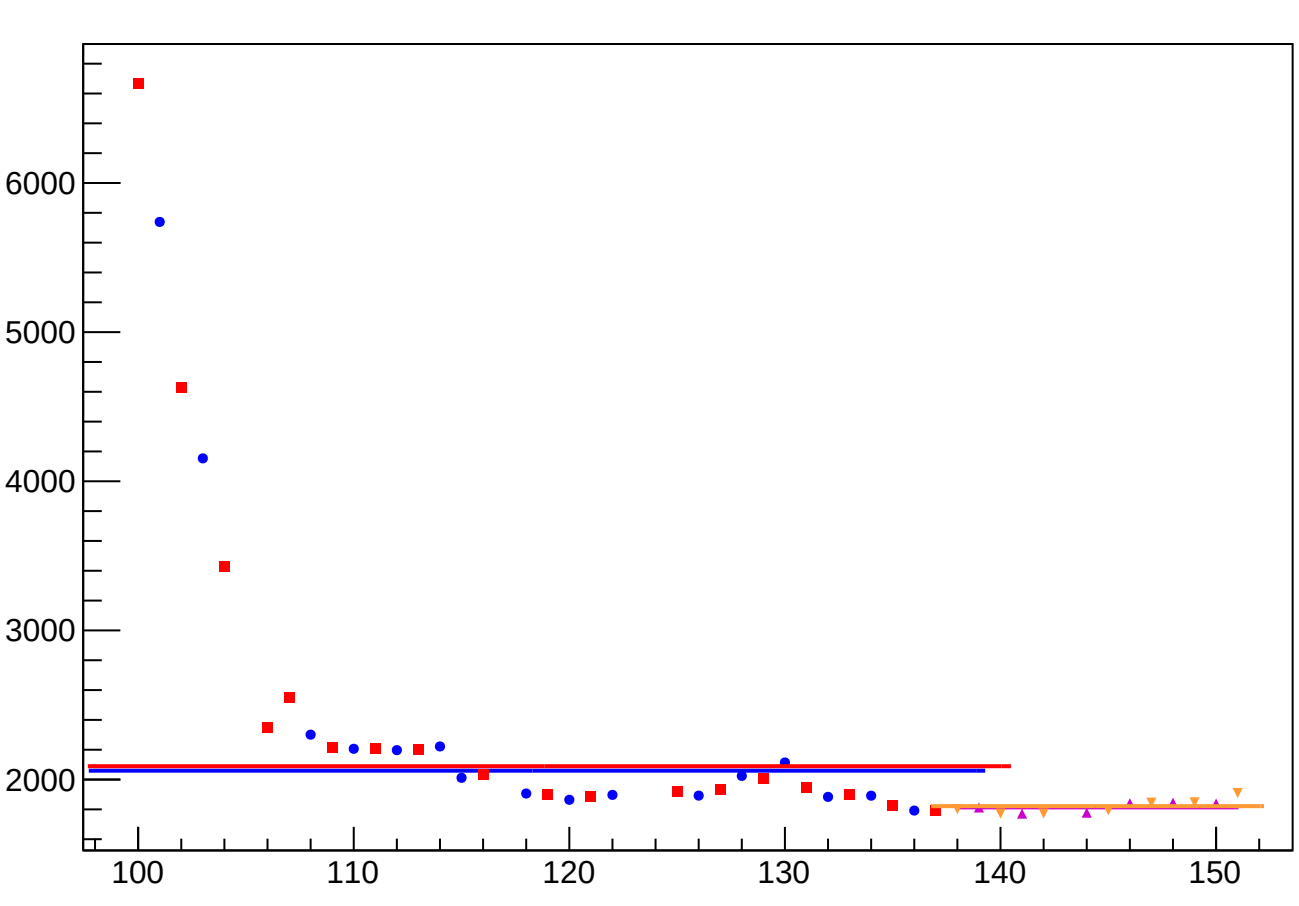
Left: -314.235+/-556.884 χ^2/NDF: 10.3/12

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -100.106+/-559.152 χ^2/NDF:27.9/21

Out: -31.257+/-558.396 χ^2/NDF:15.6/24

All: -65.635+/-395.113 χ^2/NDF: 43.5/46



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1821.669+/-0.555 χ^2/NDF:6784.3/6

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1813.421+/-0.559 χ^2/NDF:2955.1/5

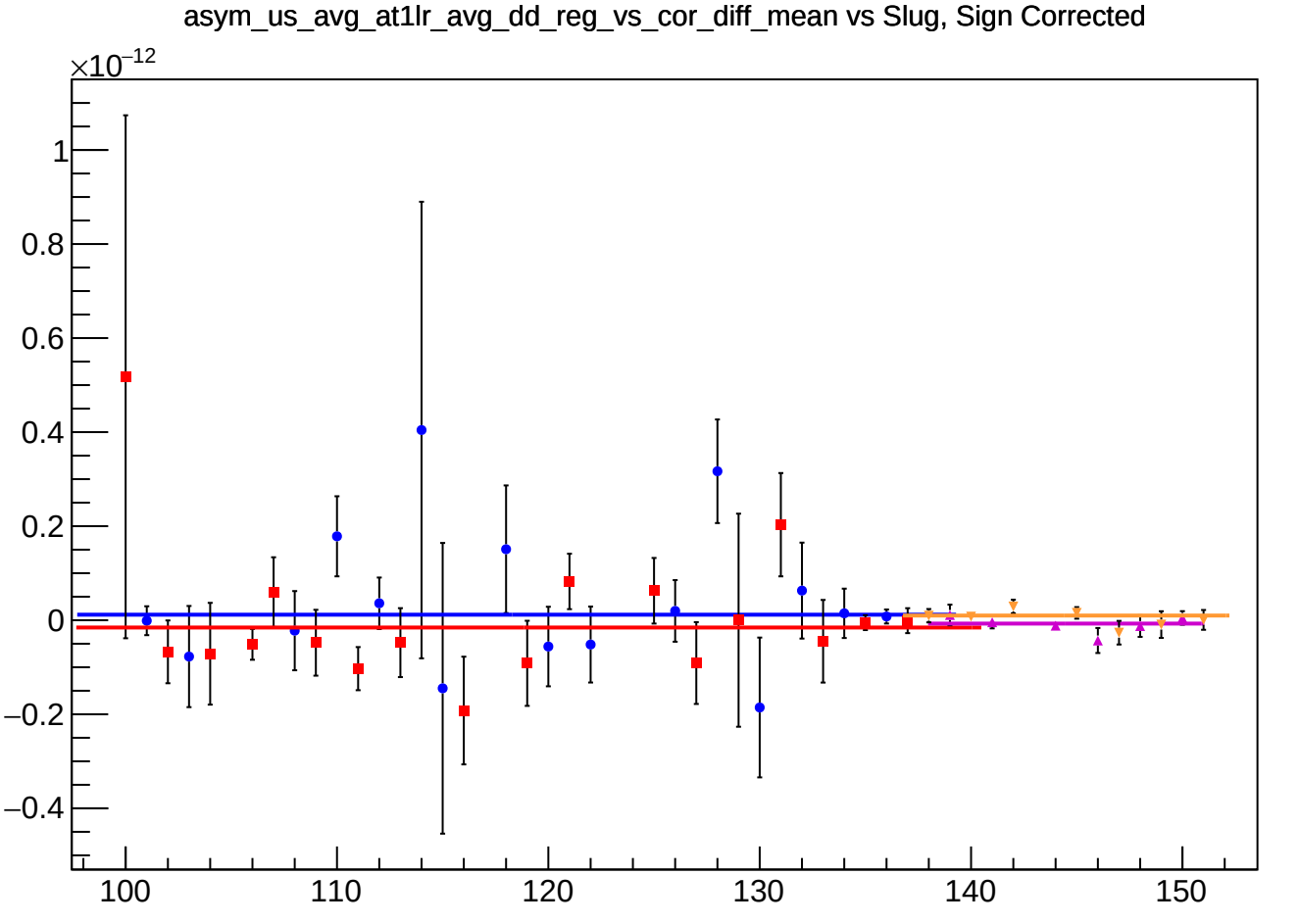
Left: 1817.569+/-0.394 χ^2/NDF: 9849.0/12

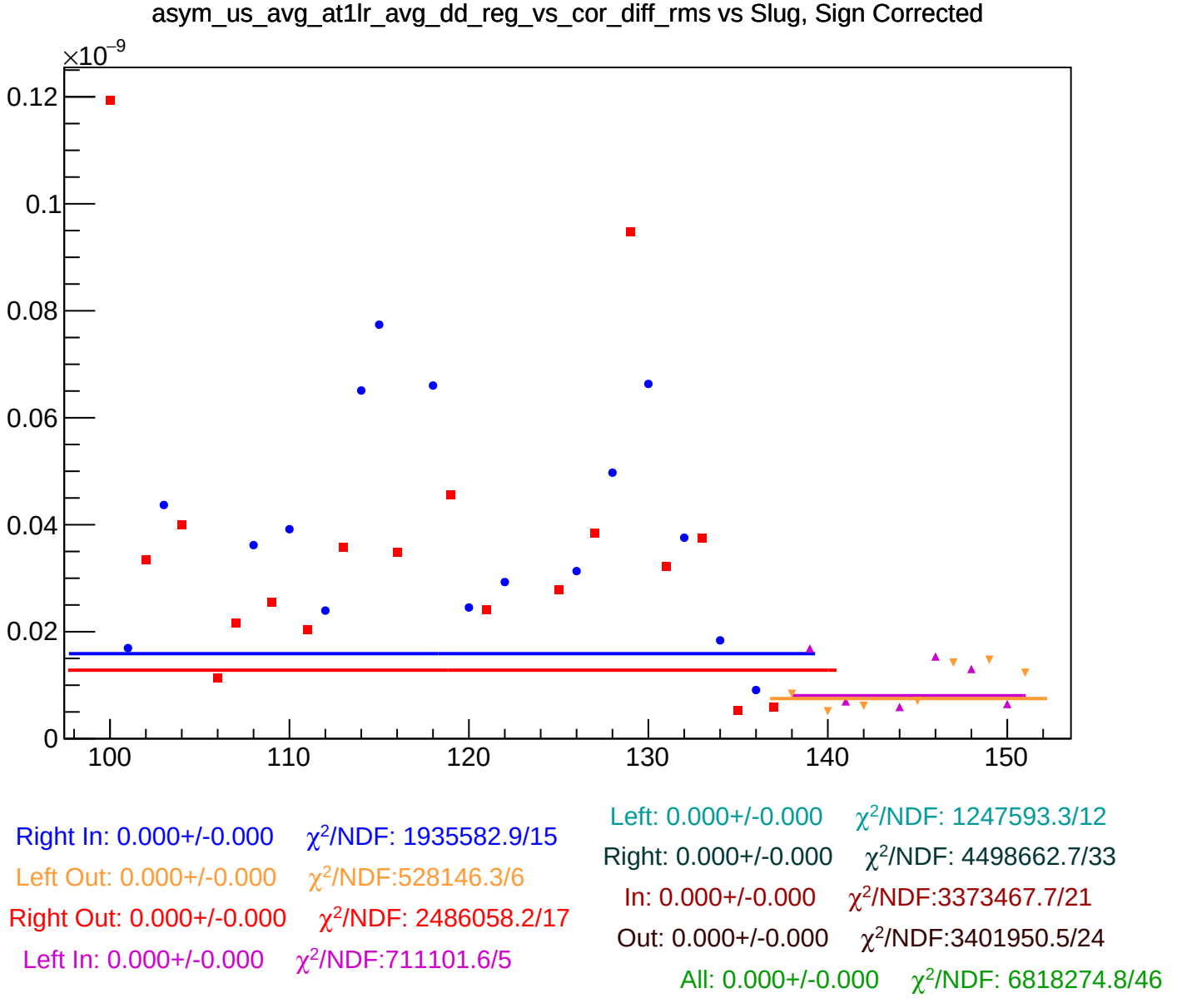
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1936.174+/-0.395 χ^2/NDF:1039665.9/21

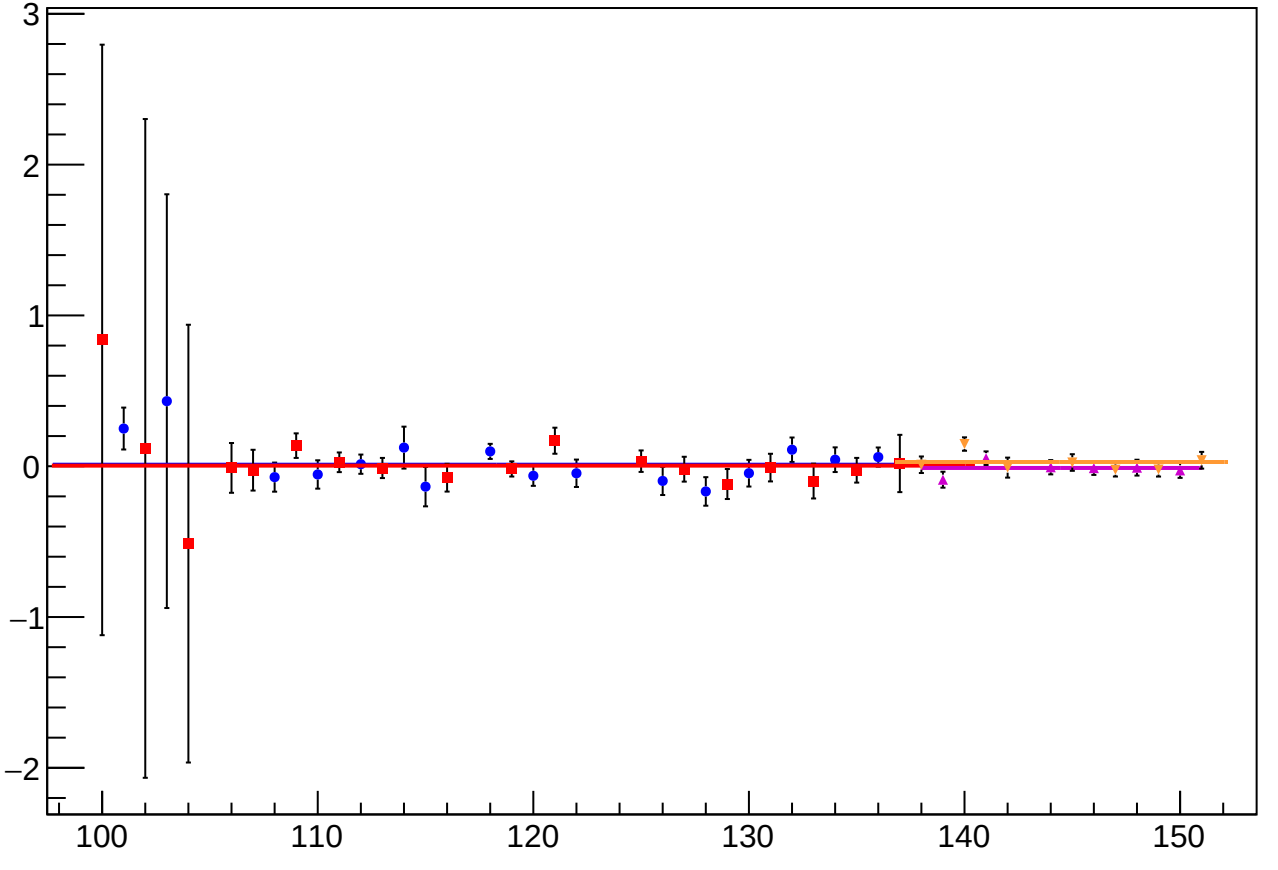
Out: 1954.064+/-0.395 χ^2/NDF:803244.9/24

All: 1945.131+/-0.279 χ^2/NDF: 1843935.7/46


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4.8/6
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:3.6/5
Left: 0.000+/-0.000 χ²/NDF: 12.7/12
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:23.7/21
Out: 0.000+/-0.000 χ²/NDF:30.0/24
All: 0.000+/-0.000 χ²/NDF: 54.8/46


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1935582.9/15
Left Out: 0.000+/-0.000 χ²/NDF:528146.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 2486058.2/17
Left In: 0.000+/-0.000 χ²/NDF:711101.6/5
Left: 0.000+/-0.000 χ²/NDF: 1247593.3/12
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:3373467.7/21
Out: 0.000+/-0.000 χ²/NDF:3401950.5/24
All: 0.000+/-0.000 χ²/NDF: 6818274.8/46

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: 0.028+/-0.019 χ^2/NDF:10.1/6

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.012+/-0.020 χ^2/NDF:4.3/5

Left: 0.009+/-0.014 χ^2/NDF: 16.4/12

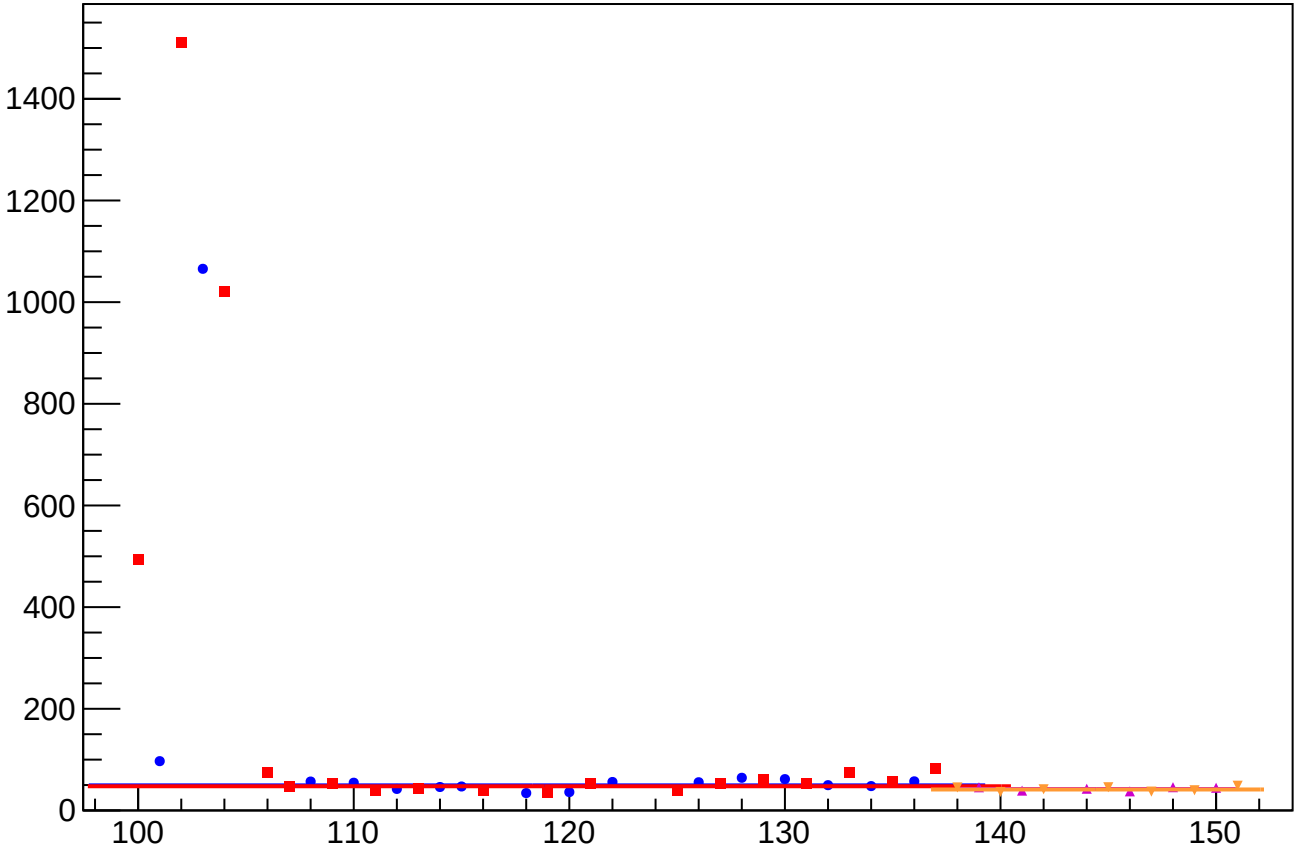
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.001+/-0.014 χ^2/NDF:23.3/21

Out: 0.017+/-0.014 χ^2/NDF:21.2/24

All: 0.008+/-0.010 χ^2/NDF: 45.4/46

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: 41.260+/-0.014 χ^2/NDF:102526.8/6

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 42.193+/-0.014 χ^2/NDF:52933.6/5

Left: 41.716+/-0.010 χ^2/NDF: 157729.8/12

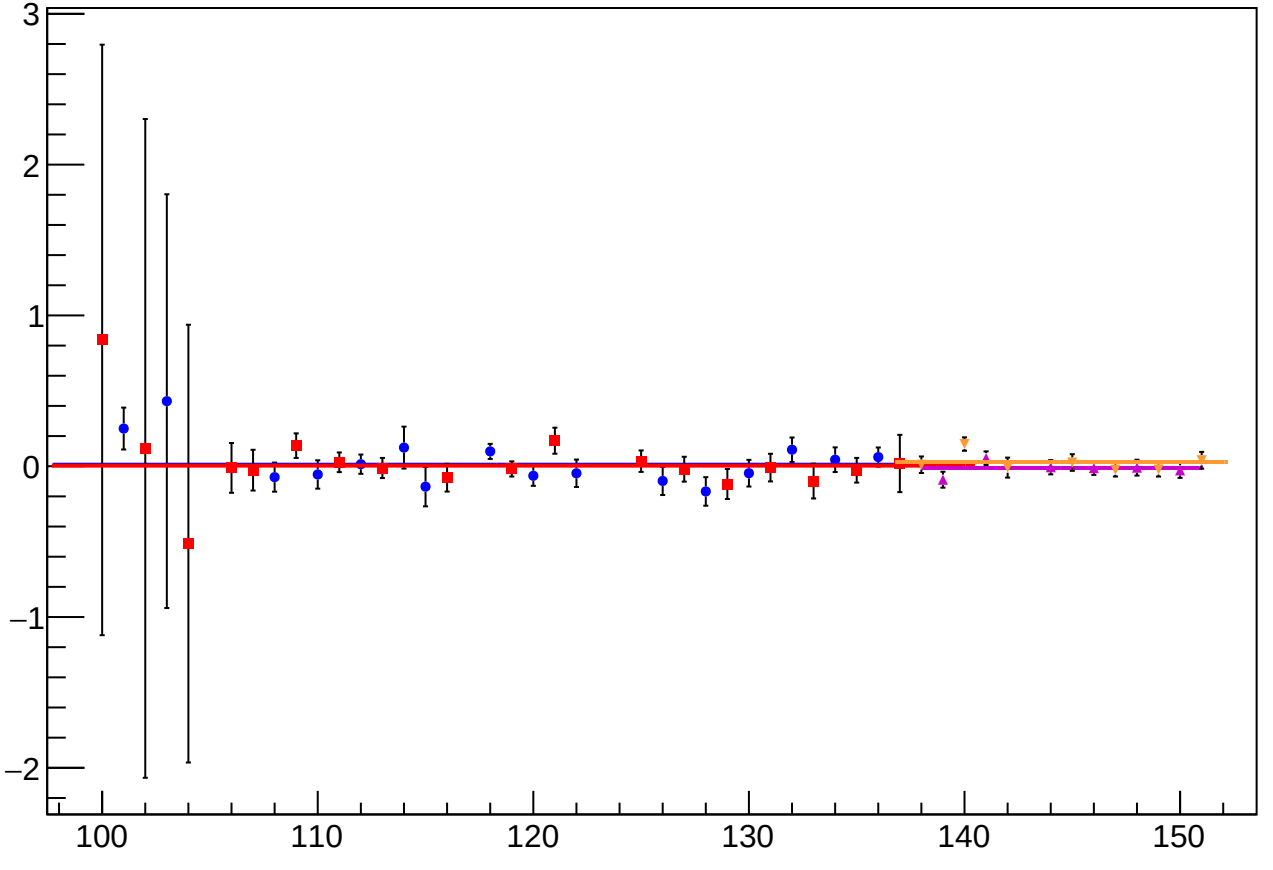
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.561+/-0.010 χ^2/NDF:1952576.5/21

Out: 44.100+/-0.010 χ^2/NDF:2616823.4/24

All: 44.830+/-0.007 χ^2/NDF: 4579717.1/46

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: 0.028+/-0.019 χ^2/NDF:10.1/6

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.012+/-0.020 χ^2/NDF:4.3/5

Left: 0.009+/-0.014 χ^2/NDF: 16.4/12

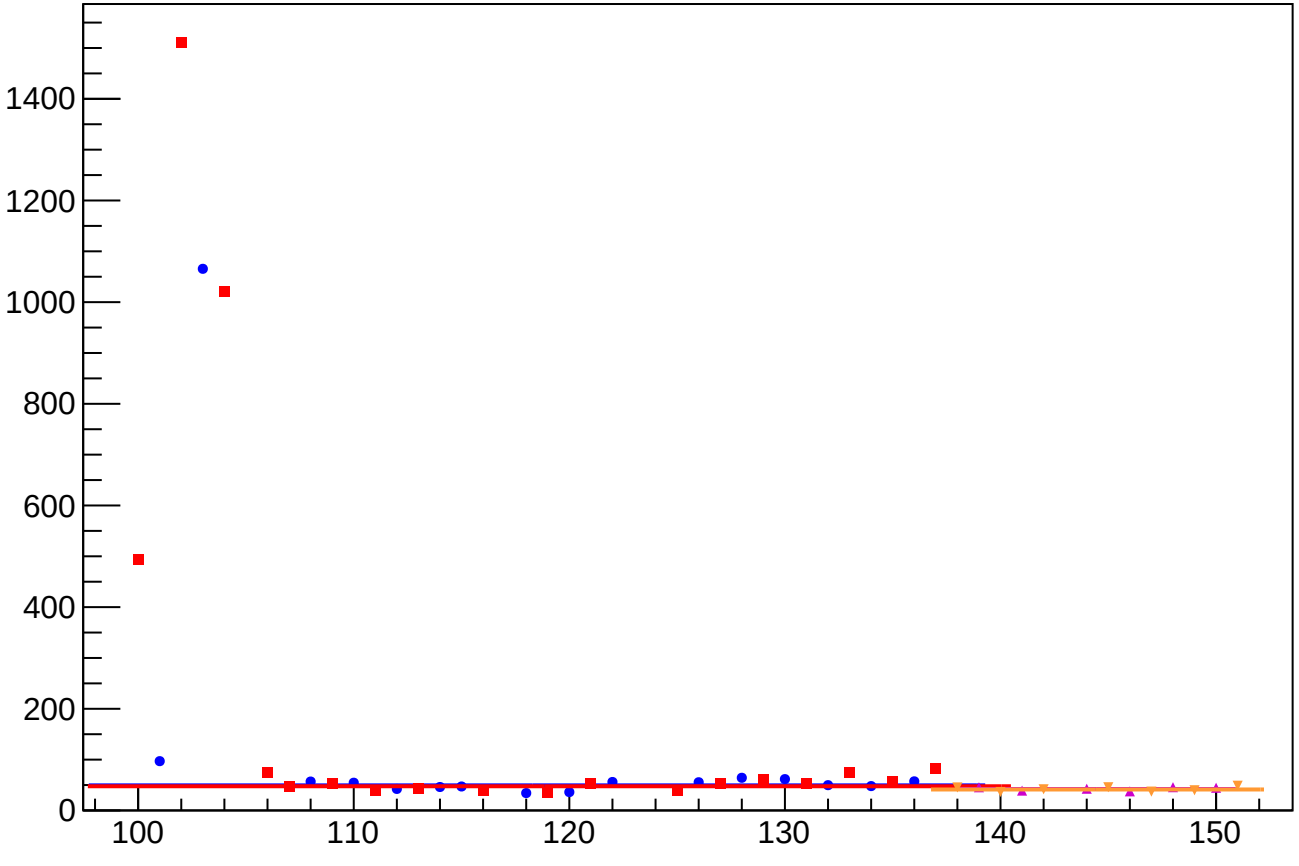
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.001+/-0.014 χ^2/NDF:23.3/21

Out: 0.017+/-0.014 χ^2/NDF:21.2/24

All: 0.008+/-0.010 χ^2/NDF: 45.4/46

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: 41.260+/-0.014 χ^2/NDF:102526.8/6

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 42.193+/-0.014 χ^2/NDF:52933.6/5

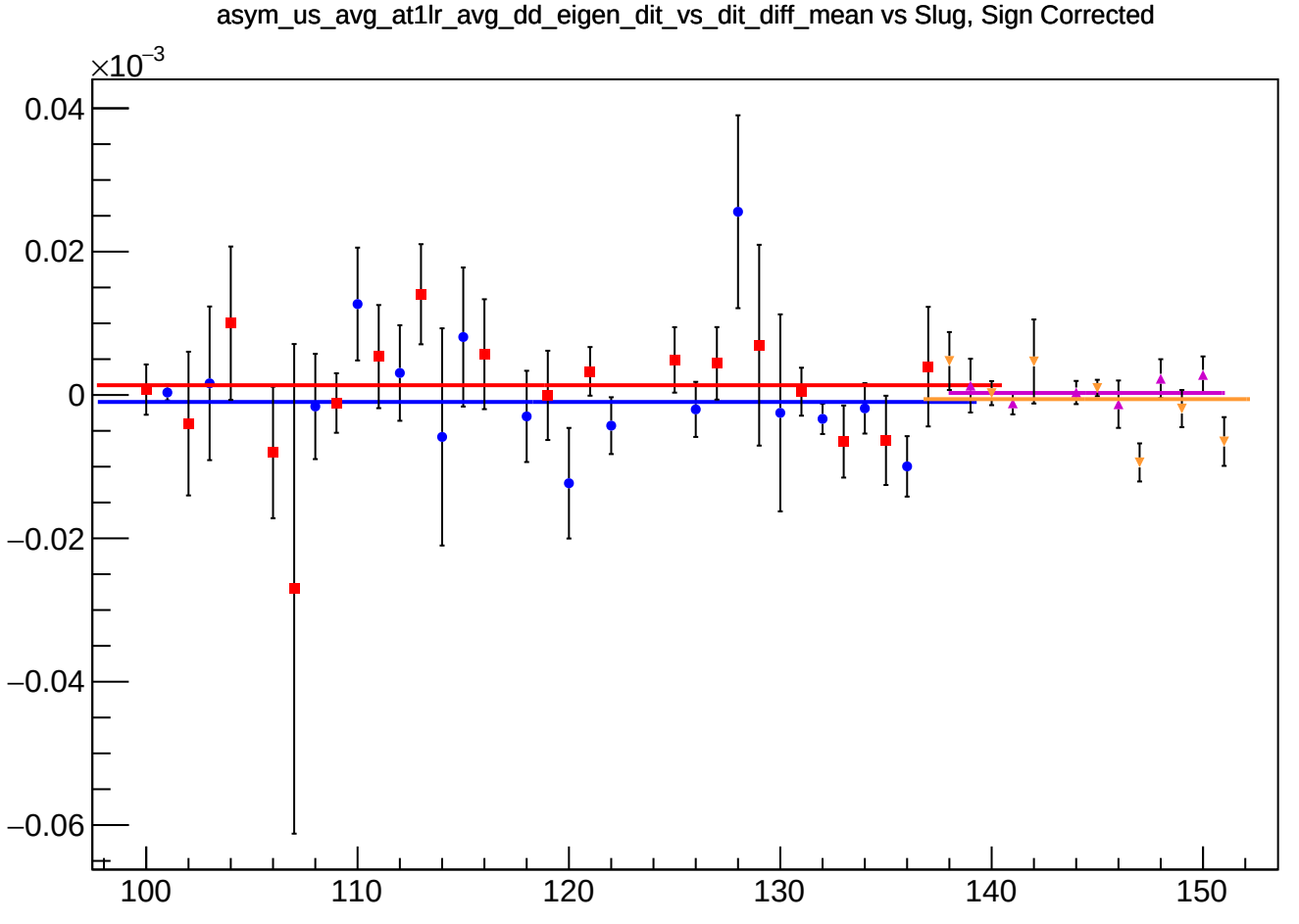
Left: 41.716+/-0.010 χ^2/NDF: 157729.8/12

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.561+/-0.010 χ^2/NDF:1952576.5/21

Out: 44.100+/-0.010 χ^2/NDF:2616823.4/24

All: 44.830+/-0.007 χ^2/NDF: 4579717.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2.7/5

Left: -0.000+/-0.000 χ^2/NDF: 22.1/12

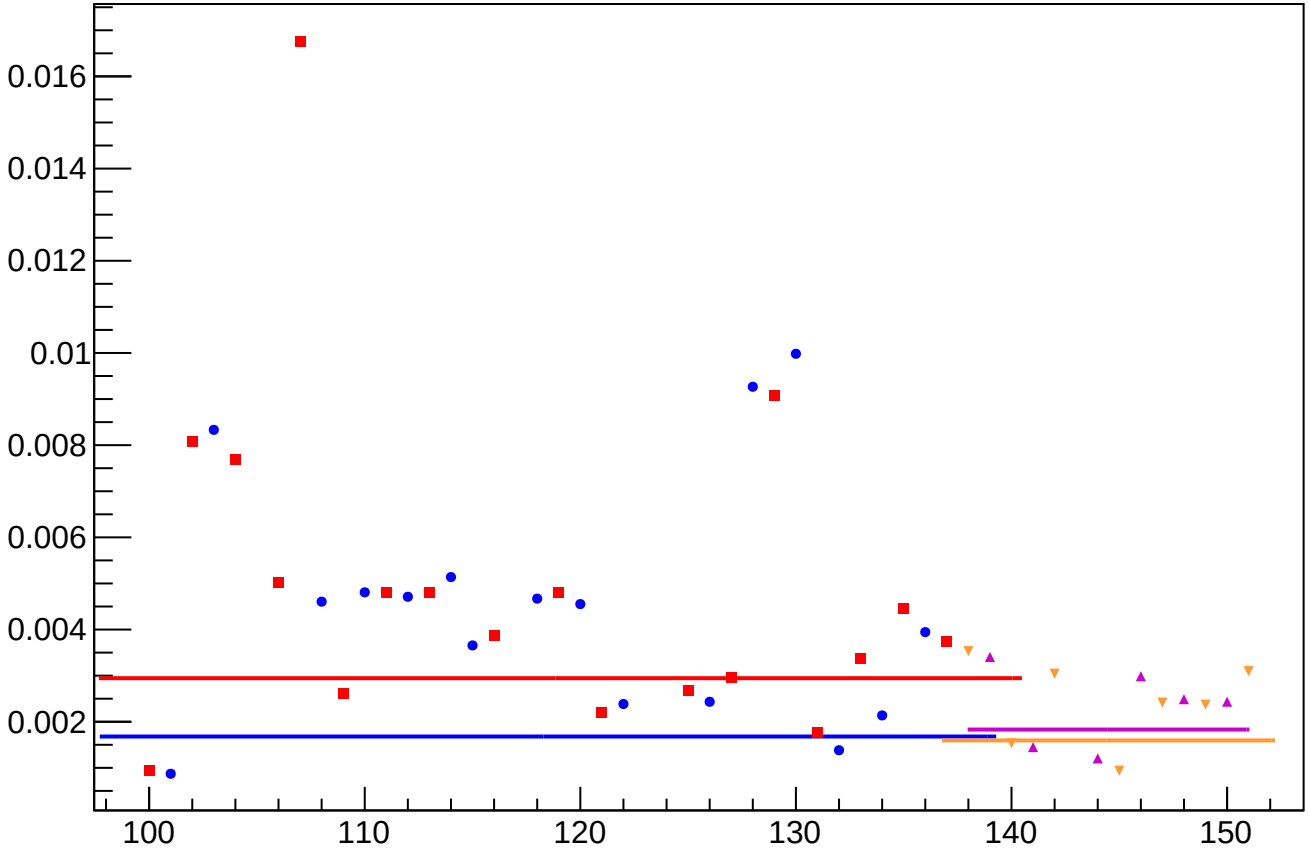
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:22.4/21

Out: -0.000+/-0.000 χ^2/NDF:33.2/24

All: -0.000+/-0.000 χ^2/NDF: 55.7/46

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:2000531.9/6

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:1247261.3/5

Left: 0.002+/-0.000 χ^2/NDF: 3325348.9/12

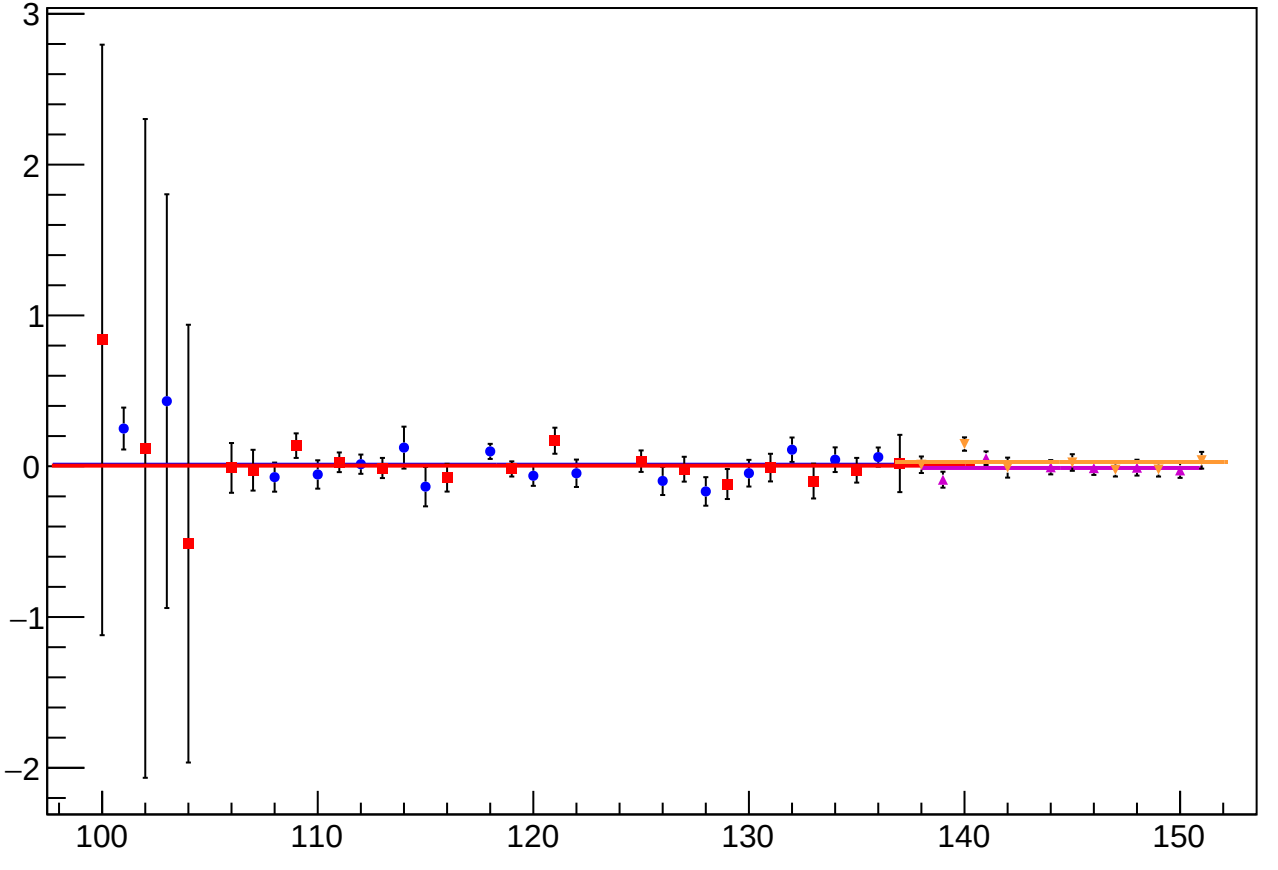
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:7238067.6/21

Out: 0.002+/-0.000 χ^2/NDF:6969767.5/24

All: 0.002+/-0.000 χ^2/NDF: 14321618.8/46

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: 0.028+/-0.019 χ^2/NDF:10.1/6

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.012+/-0.020 χ^2/NDF:4.3/5

Left: 0.009+/-0.014 χ^2/NDF: 16.4/12

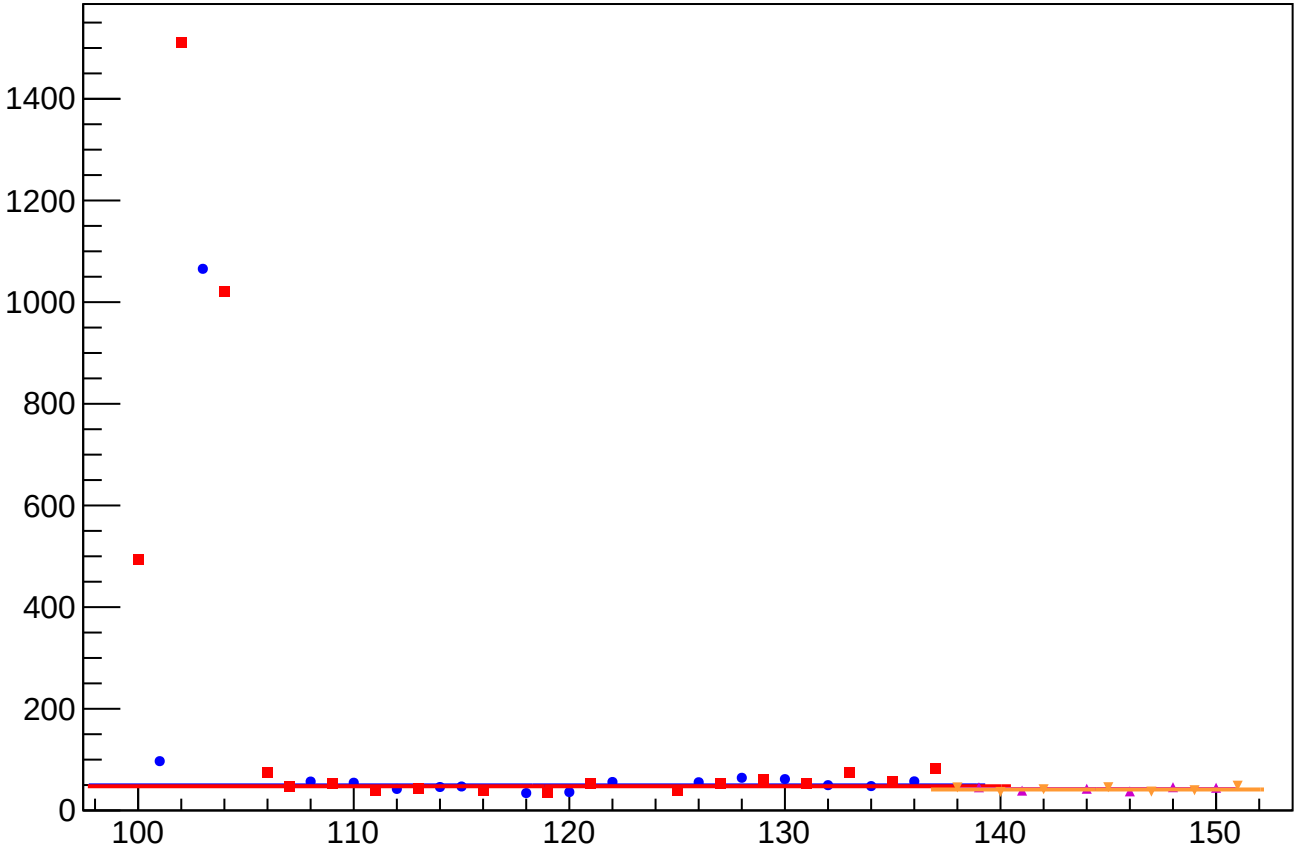
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.001+/-0.014 χ^2/NDF:23.3/21

Out: 0.017+/-0.014 χ^2/NDF:21.2/24

All: 0.008+/-0.010 χ^2/NDF: 45.4/46

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: 41.260+/-0.014 χ^2/NDF:102532.7/6

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 42.192+/-0.014 χ^2/NDF:52947.8/5

Left: 41.716+/-0.010 χ^2/NDF: 157745.7/12

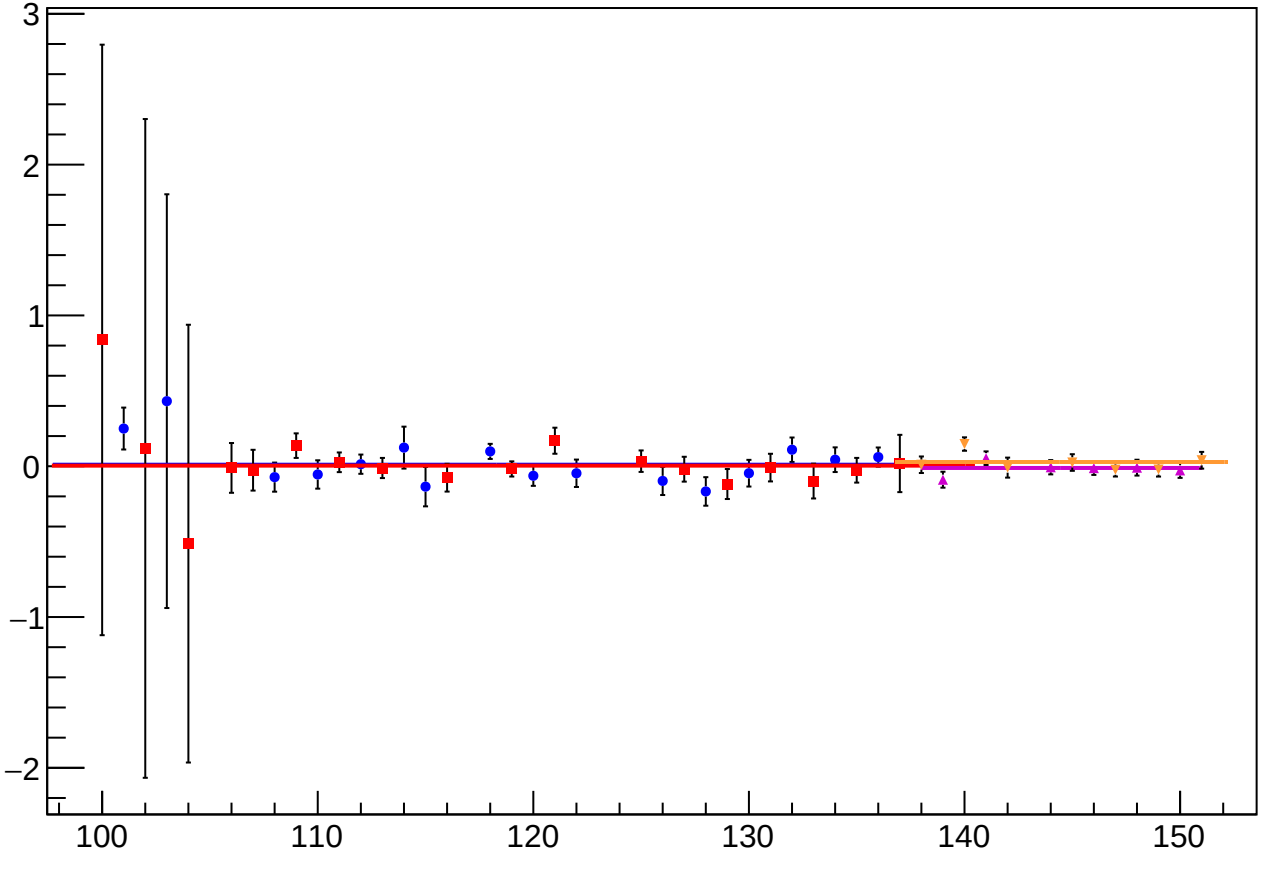
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.561+/-0.010 χ^2/NDF:1952554.8/21

Out: 44.099+/-0.010 χ^2/NDF:2616831.8/24

All: 44.830+/-0.007 χ^2/NDF: 4579703.7/46

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: 0.028+/-0.019 χ^2/NDF:10.1/6

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.012+/-0.020 χ^2/NDF:4.3/5

Left: 0.009+/-0.014 χ^2/NDF: 16.4/12

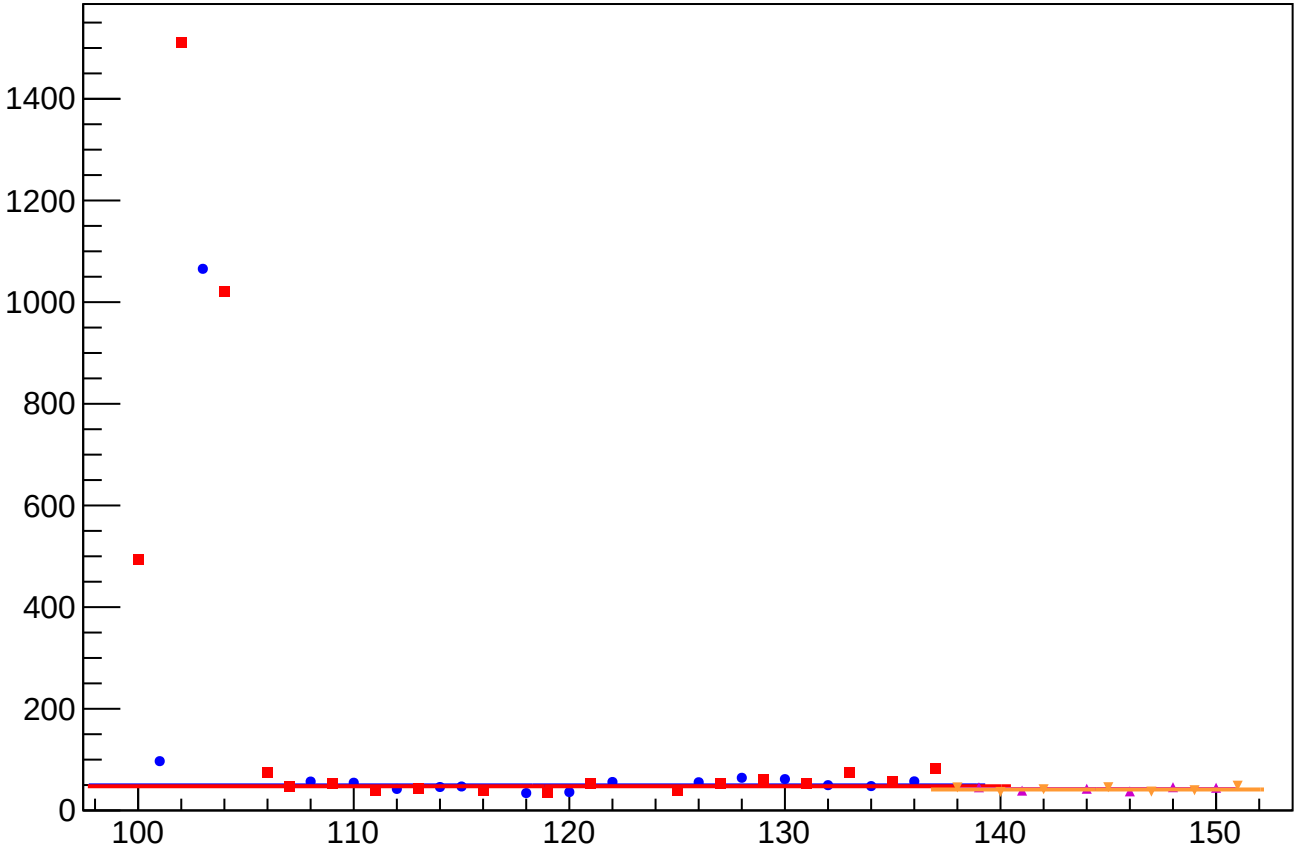
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.001+/-0.014 χ^2/NDF:23.3/21

Out: 0.017+/-0.014 χ^2/NDF:21.2/24

All: 0.008+/-0.010 χ^2/NDF: 45.4/46

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: 41.260+/-0.014 χ^2/NDF:102532.7/6

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 42.192+/-0.014 χ^2/NDF:52947.8/5

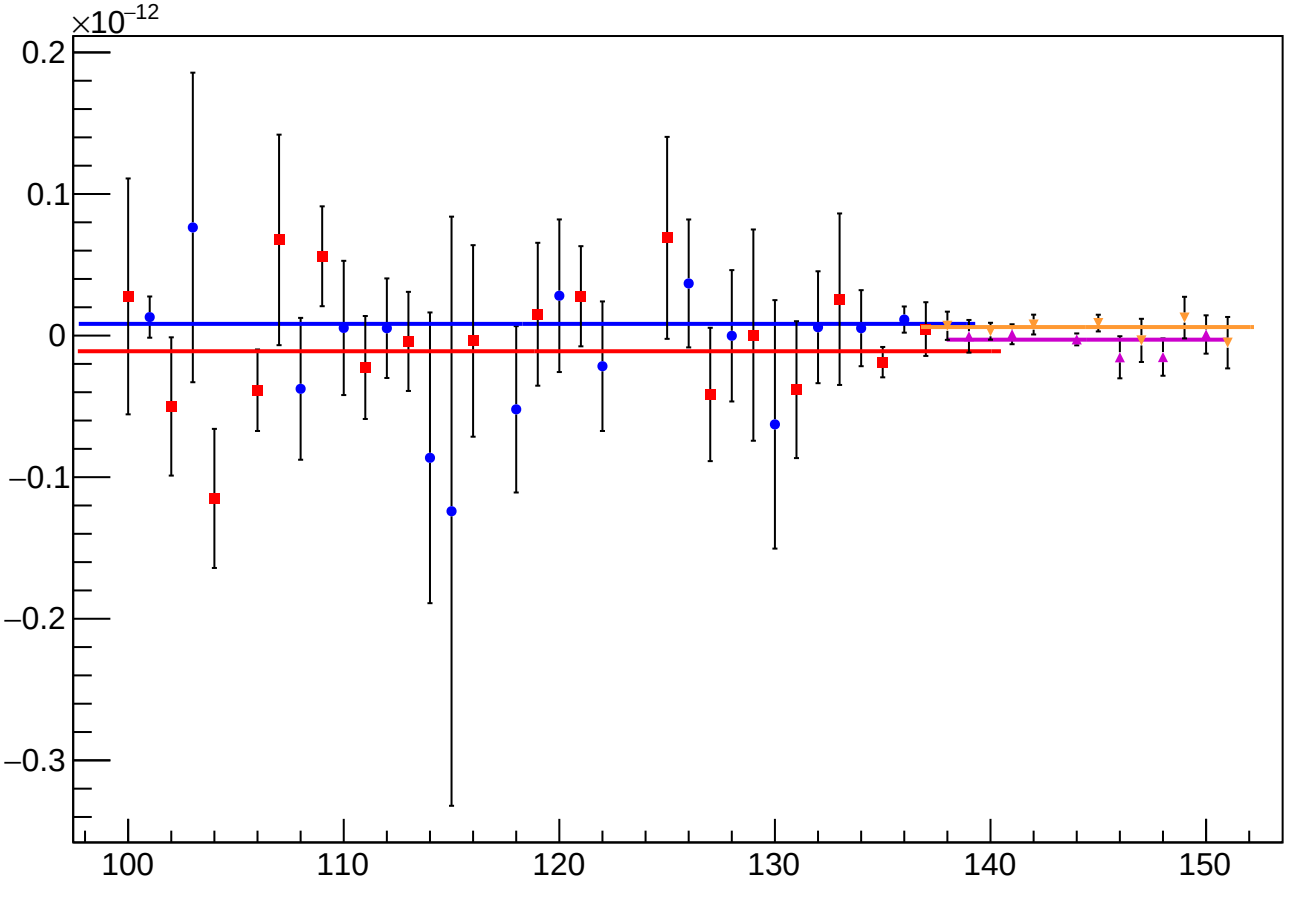
Left: 41.716+/-0.010 χ^2/NDF: 157745.7/12

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.561+/-0.010 χ^2/NDF:1952554.8/21

Out: 44.099+/-0.010 χ^2/NDF:2616831.8/24

All: 44.830+/-0.007 χ^2/NDF: 4579703.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:2.0/5

Left: 0.000+/-0.000 χ^2/NDF: 7.4/12

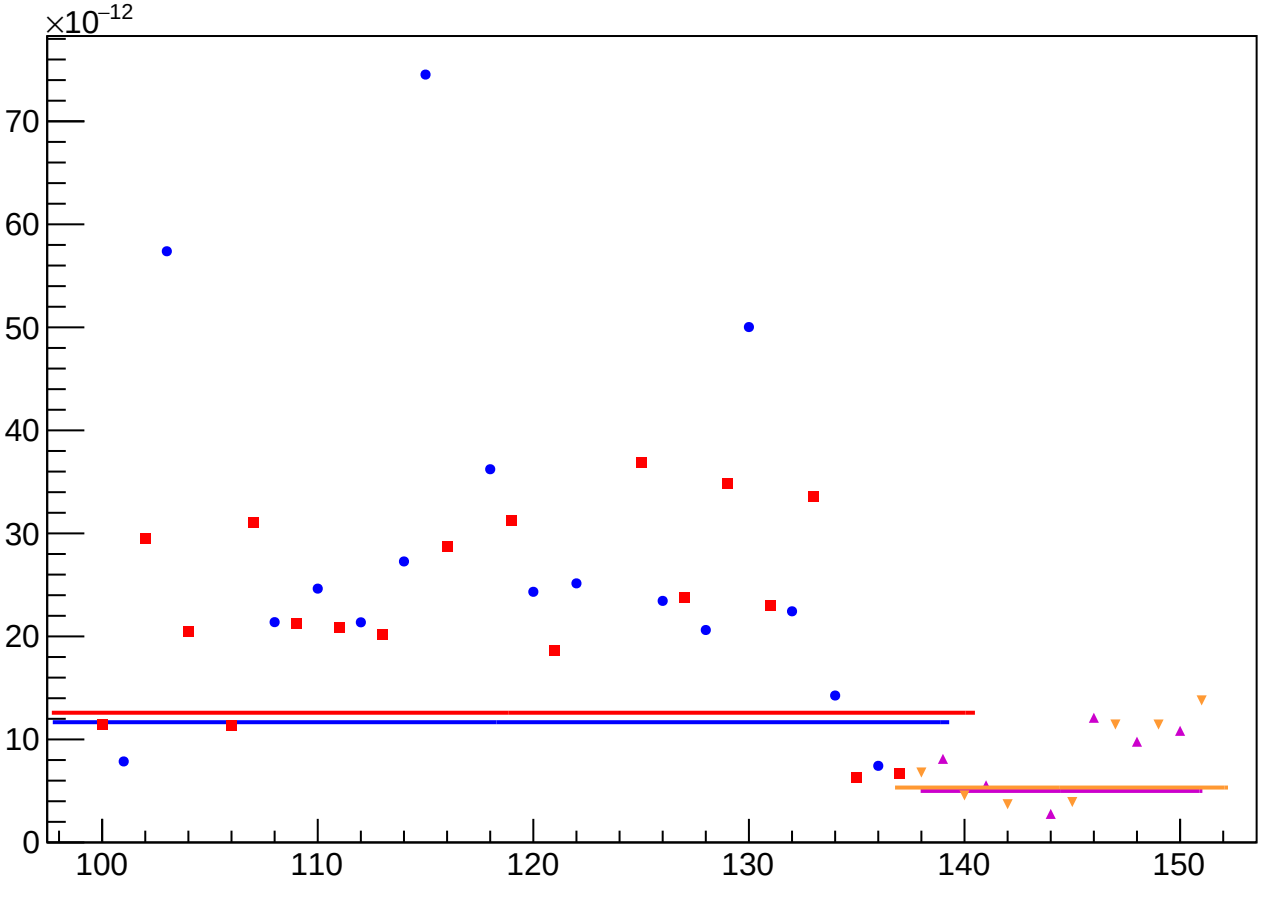
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:9.7/21

Out: 0.000+/-0.000 χ^2/NDF:22.4/24

All: 0.000+/-0.000 χ^2/NDF: 33.1/46

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:1399171.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1810209.5/5

Left: 0.000+/-0.000 χ^2/NDF: 3220101.4/12

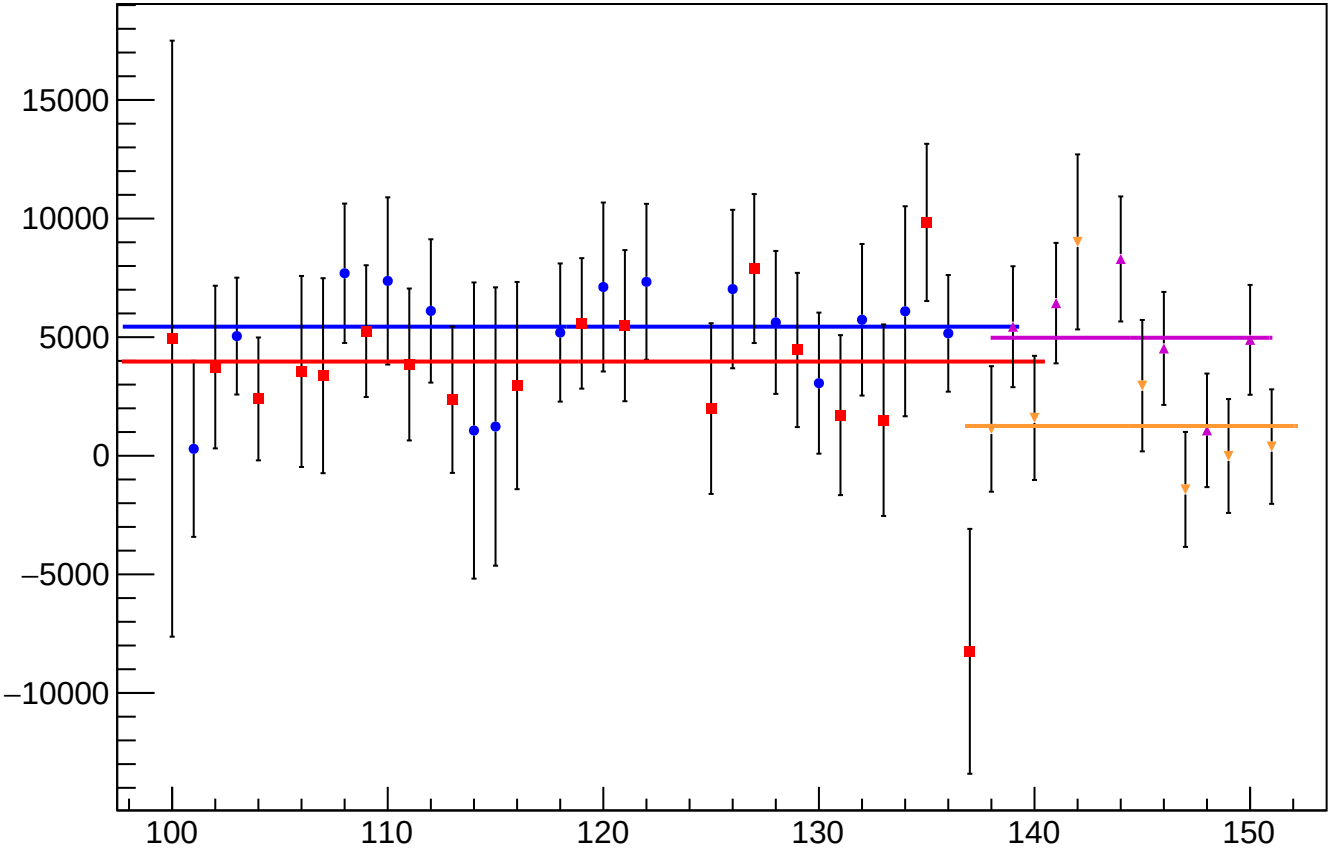
Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:6349928.0/21

Out: 0.000+/-0.000 χ^2/NDF:6015272.9/24

All: 0.000+/-0.000 χ^2/NDF: 12374413.9/46

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1255.317+/-996.067 χ^2/NDF:6.4/6

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 4974.595+/-1004.940 χ^2/NDF:4.6/5

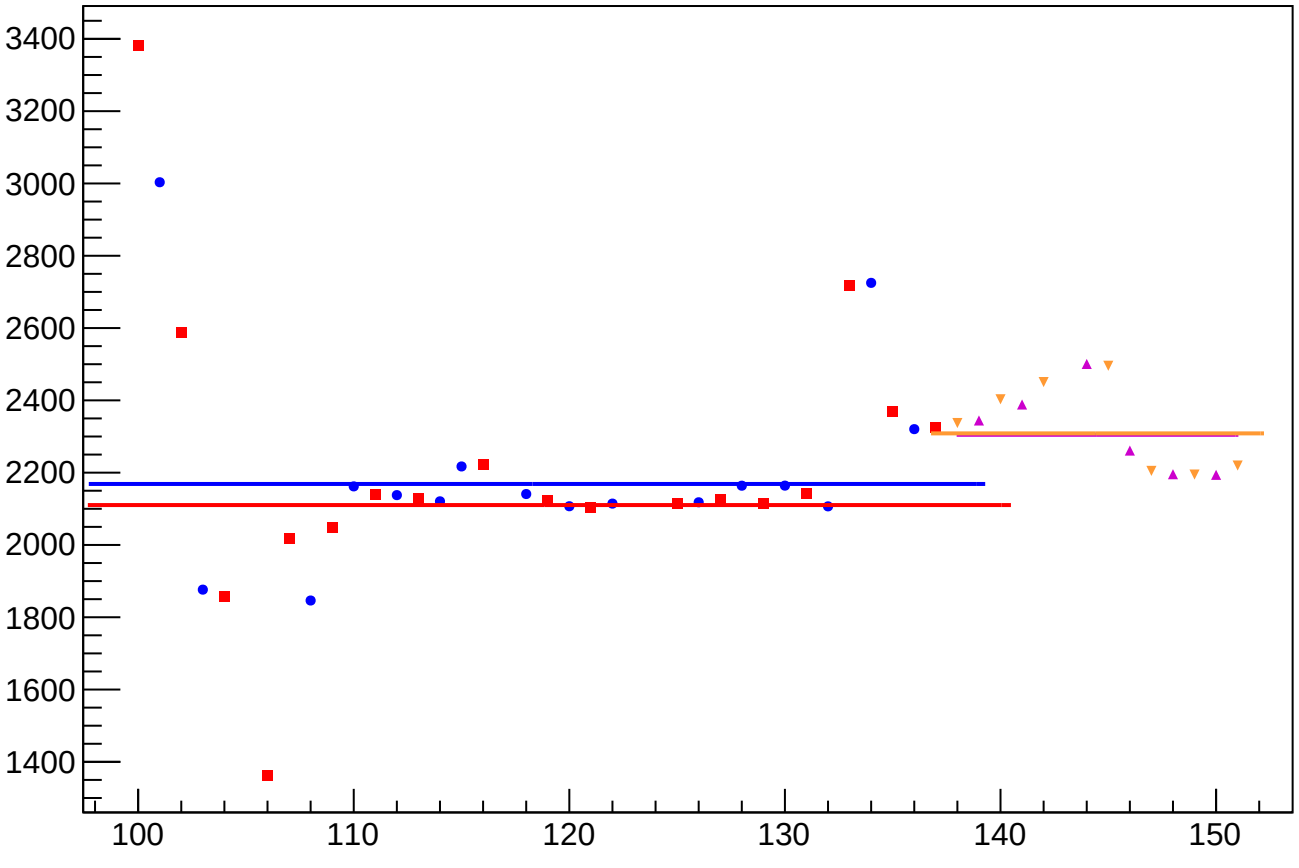
Left: 3098.463+/-707.442 χ^2/NDF: 18.0/12

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

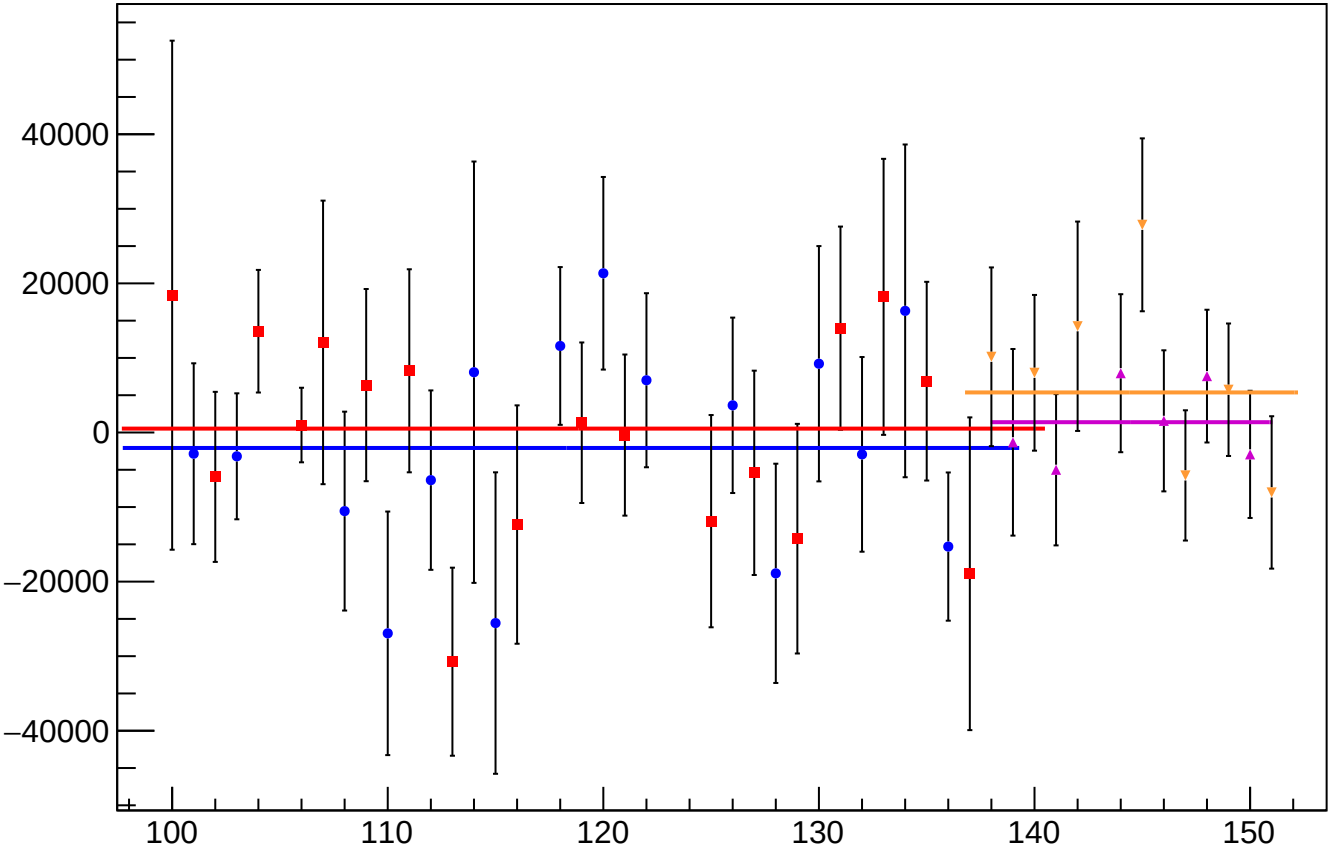
In: 5257.434+/-631.842 χ^2/NDF:10.1/21

Out: 2892.007+/-627.981 χ^2/NDF:23.9/24

All: 4067.472+/-445.408 χ^2/NDF: 41.1/46


reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
Right In: 2168.715+/-0.575 χ²/NDF: 195659.5/15
Left Out: 2308.634+/-0.704 χ²/NDF:25796.6/6
Right Out: 2110.365+/-0.563 χ²/NDF: 267413.4/17
Left In: 2304.690+/-0.711 χ²/NDF:23118.2/5
Left: 2306.680+/-0.500 χ²/NDF: 48930.3/12
Right: 2138.947+/-0.402 χ²/NDF: 468334.9/33
In: 2222.467+/-0.447 χ²/NDF:240918.8/21
Out: 2187.658+/-0.440 χ²/NDF:341561.4/24
All: 2204.787+/-0.313 χ²/NDF: 585563.4/46

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: 5372.927+/-3953.177 χ^2/NDF:7.7/6

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 1381.966+/-3998.371 χ^2/NDF:1.6/5

Left: 3400.129+/-2811.160 χ^2/NDF: 9.8/12

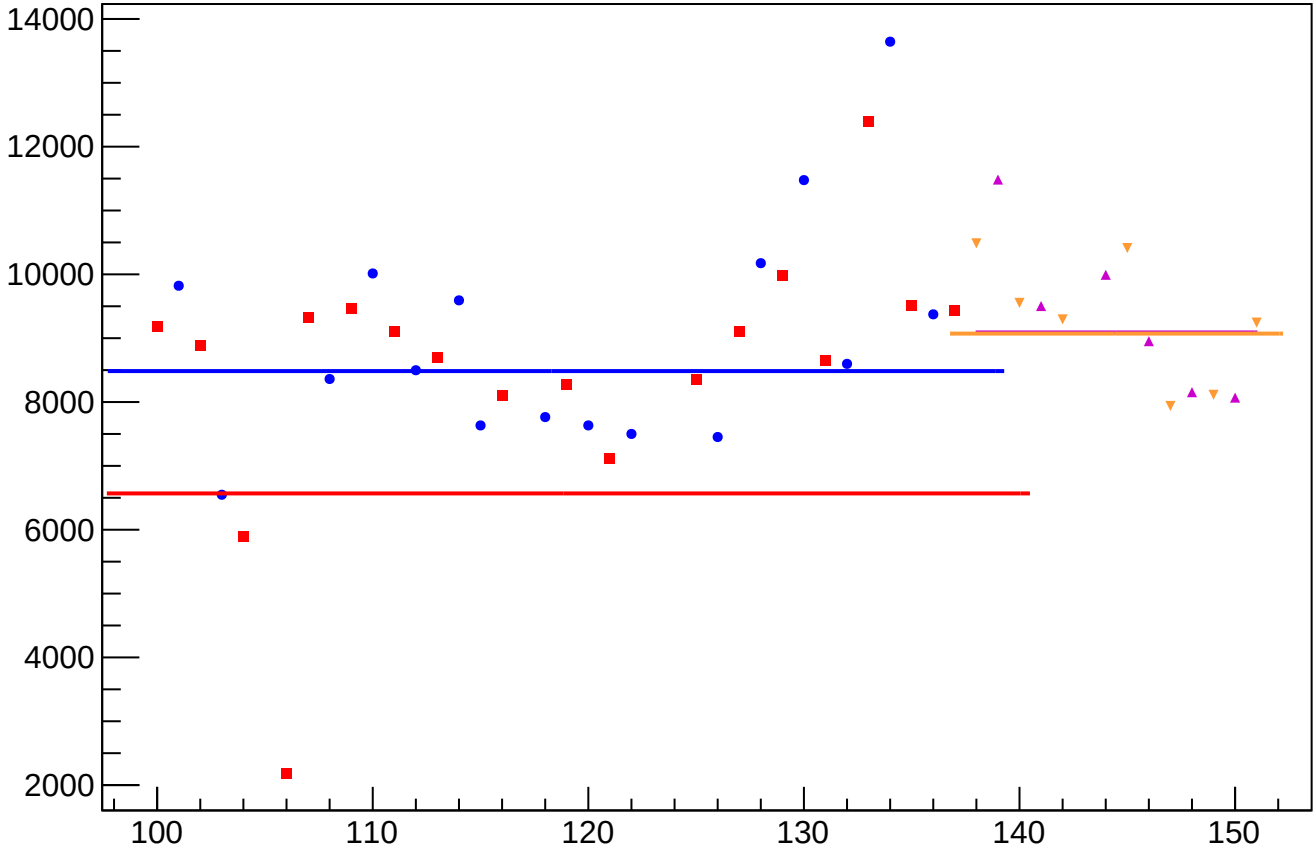
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -718.963+/-2504.125 χ^2/NDF:16.4/21

Out: 2076.828+/-2238.345 χ^2/NDF:24.4/24

All: 835.126+/-1668.831 χ^2/NDF: 41.6/46

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: 9072.039+/-2.795 χ^2/NDF:116805.7/6

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9090.063+/-2.827 χ^2/NDF:142268.6/5

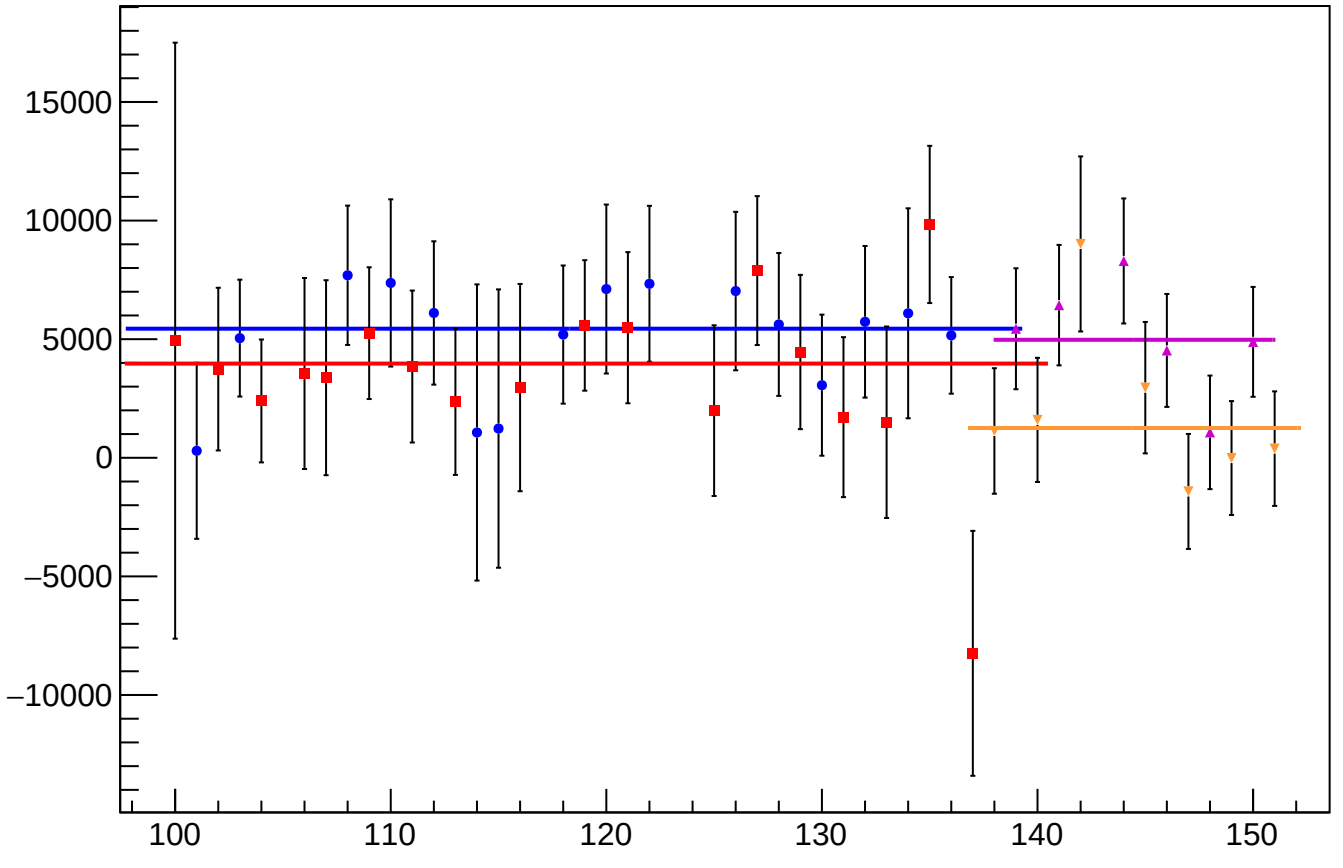
Left: 9080.949+/-1.988 χ^2/NDF: 259094.9/12

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8722.327+/-1.771 χ^2/NDF:592810.5/21

Out: 7371.274+/-1.583 χ^2/NDF:3230571.0/24

All: 7971.321+/-1.180 χ^2/NDF: 4147000.3/46



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1255.201+/-996.067 χ^2/NDF:6.4/6

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 4974.864+/-1004.940 χ^2/NDF:4.6/5

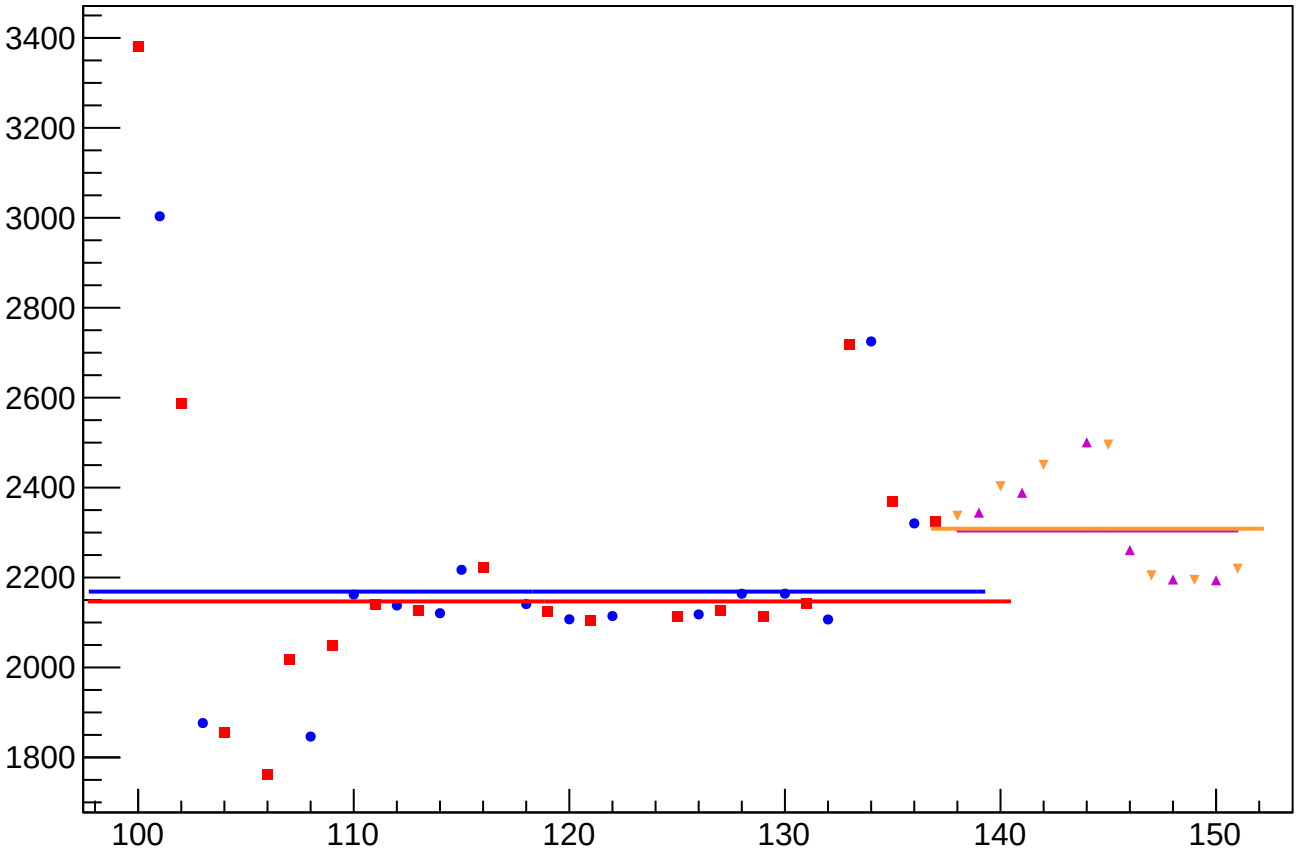
Left: 3098.538+/-707.442 χ^2/NDF: 18.0/12

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5257.626+/-631.842 χ^2/NDF:10.1/21

Out: 2891.805+/-627.981 χ^2/NDF:23.9/24

All: 4067.466+/-445.408 χ^2/NDF: 41.1/46



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2308.634+/-0.704 χ^2/NDF:25796.6/6

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2304.690+/-0.711 χ^2/NDF:23118.2/5

Left: 2306.680+/-0.500 χ^2/NDF: 48930.3/12

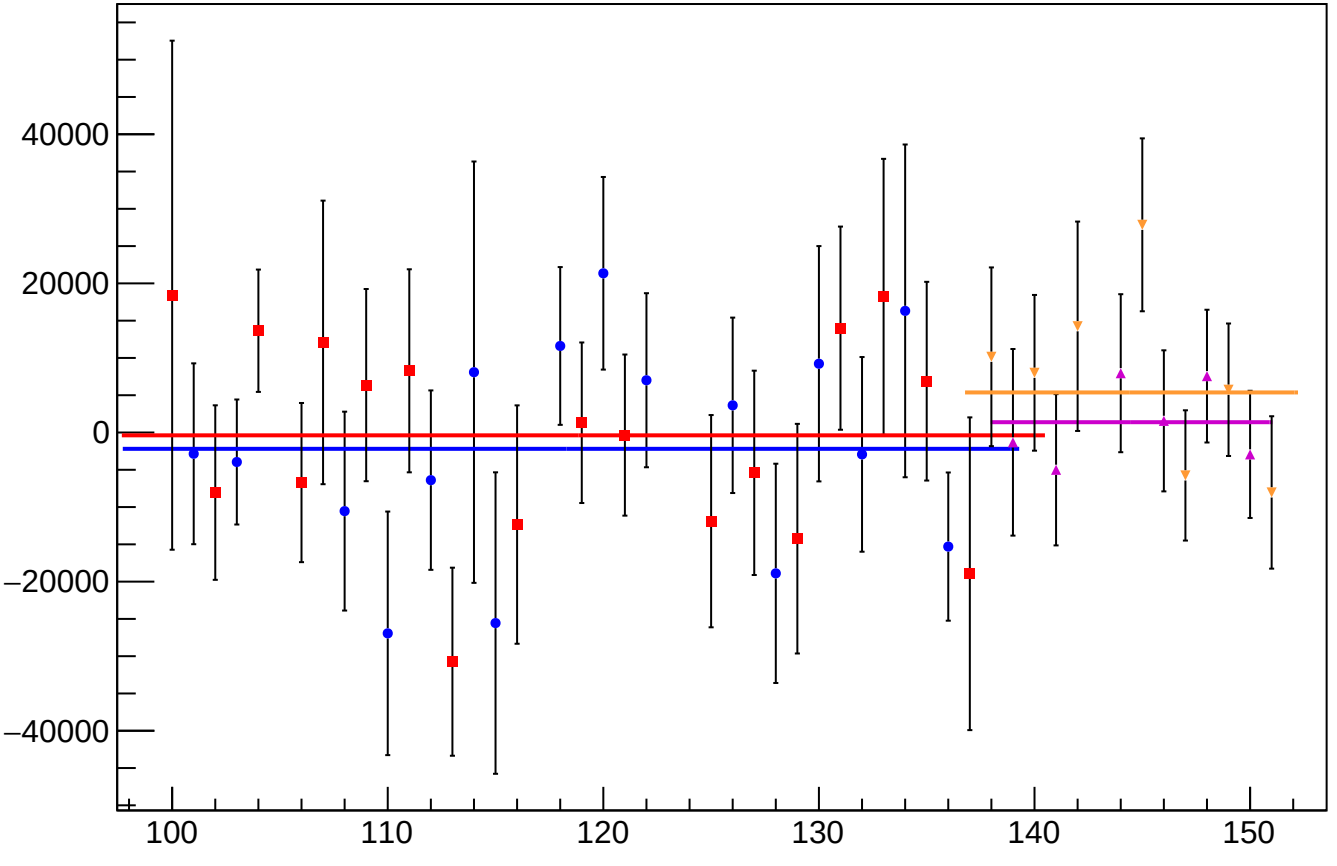
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2222.467+/-0.447 χ^2/NDF:240919.2/21

Out: 2210.794+/-0.443 χ^2/NDF:215448.4/24

All: 2216.577+/-0.314 χ^2/NDF: 456712.1/46

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: 5372.959+/-3953.173 χ^2/NDF:7.7/6

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 1382.164+/-3998.368 χ^2/NDF:1.6/5

Left: 3400.244+/-2811.158 χ^2/NDF: 9.8/12

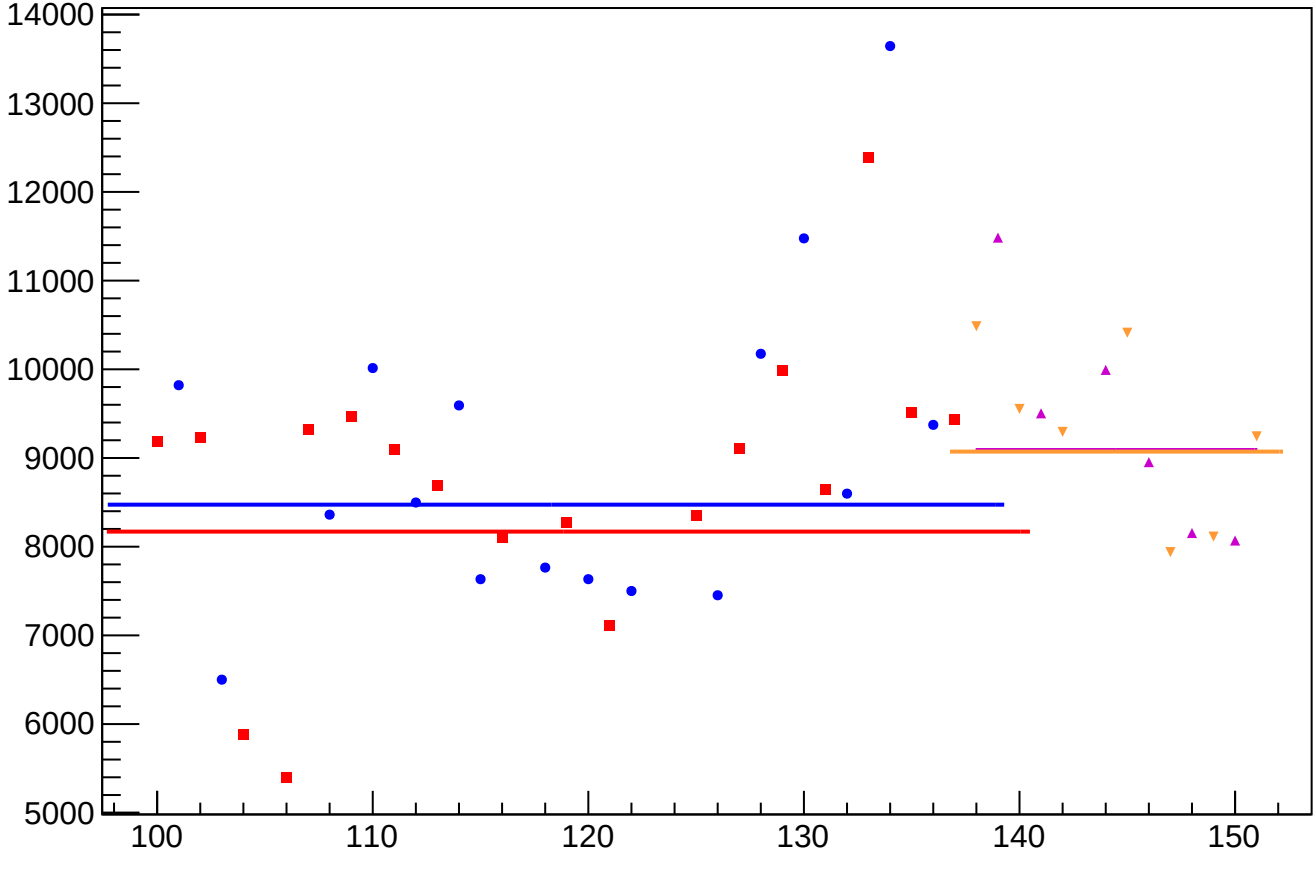
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -790.312+/-2502.432 χ^2/NDF:16.5/21

Out: 1811.052+/-2439.381 χ^2/NDF:25.3/24

All: 543.555+/-1746.768 χ^2/NDF: 42.4/46

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9072.028+/-2.795 χ^2/NDF:116806.1/6

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9090.056+/-2.827 χ^2/NDF:142268.9/5

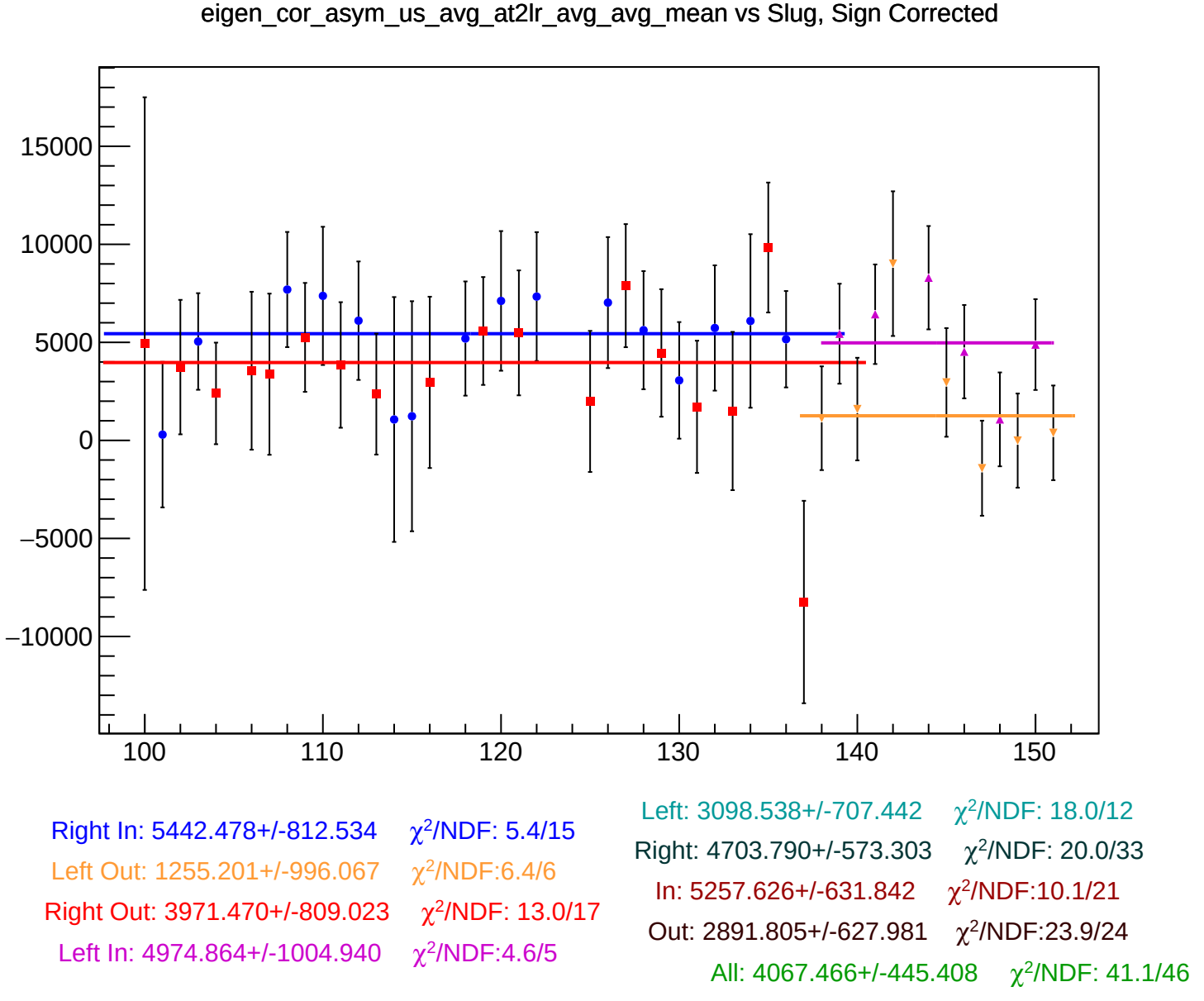
Left: 9080.939+/-1.988 χ^2/NDF: 259095.6/12

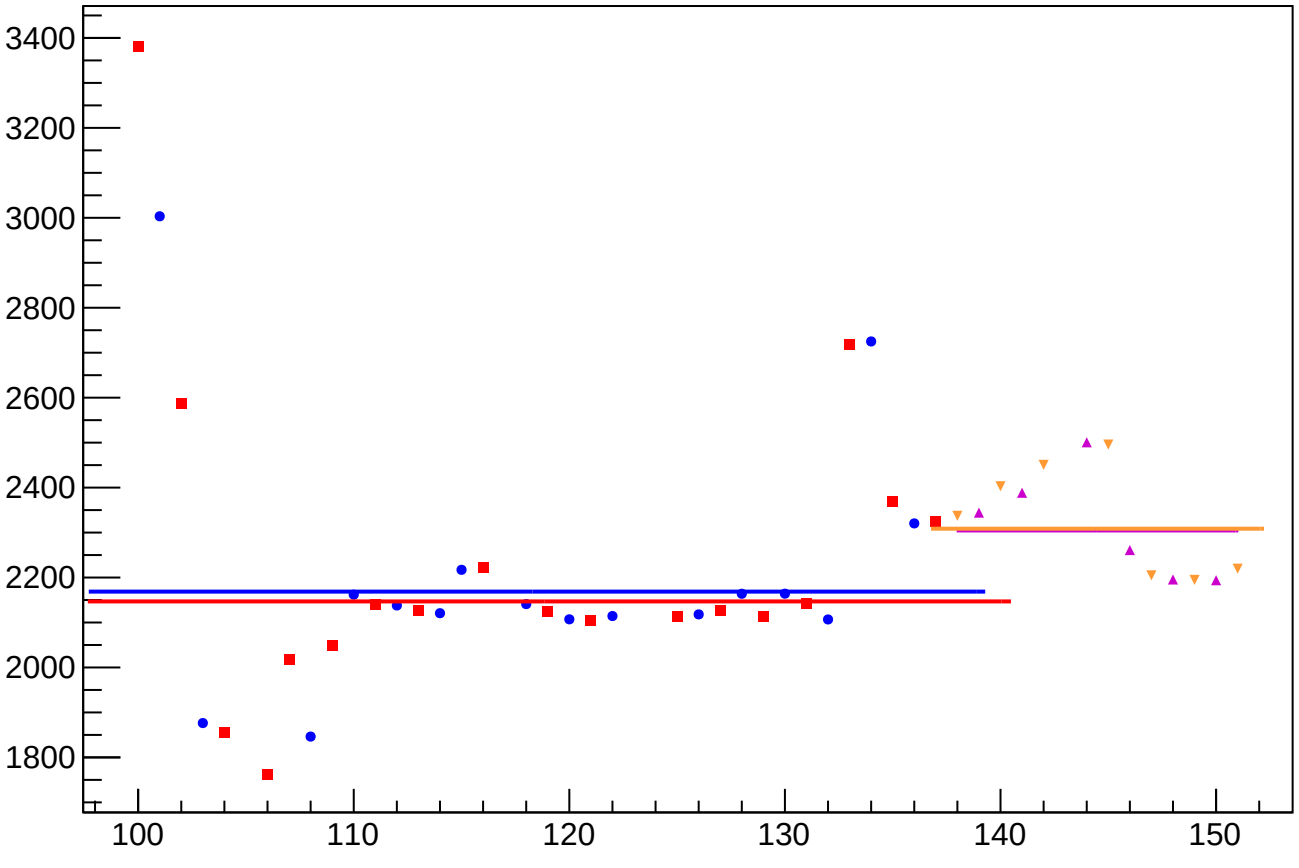
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8715.156+/-1.769 χ^2/NDF:600721.8/21

Out: 8513.486+/-1.725 χ^2/NDF:721208.3/24

All: 8611.748+/-1.235 χ^2/NDF: 1328590.5/46


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 1255.201+/-996.067 χ²/NDF:6.4/6
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 4974.864+/-1004.940 χ²/NDF:4.6/5
Left: 3098.538+/-707.442 χ²/NDF: 18.0/12
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5257.626+/-631.842 χ²/NDF:10.1/21
Out: 2891.805+/-627.981 χ²/NDF:23.9/24
All: 4067.466+/-445.408 χ²/NDF: 41.1/46



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2308.634+/-0.704 χ^2/NDF:25796.6/6

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2304.690+/-0.711 χ^2/NDF:23118.2/5

Left: 2306.680+/-0.500 χ^2/NDF: 48930.3/12

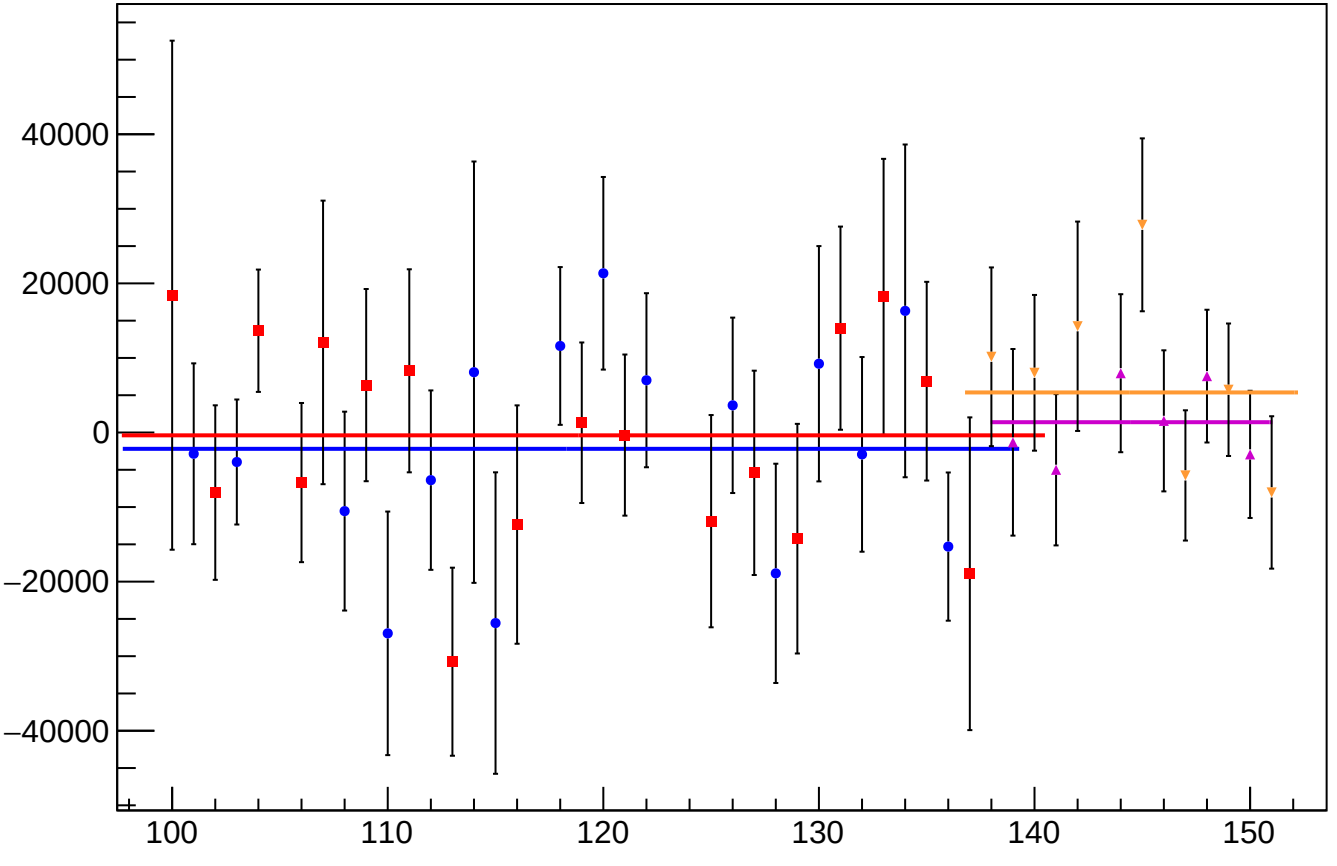
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2222.467+/-0.447 χ^2/NDF:240919.2/21

Out: 2210.794+/-0.443 χ^2/NDF:215448.4/24

All: 2216.577+/-0.314 χ^2/NDF: 456712.1/46

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: 5372.959+/-3953.173 χ^2/NDF:7.7/6

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 1382.164+/-3998.368 χ^2/NDF:1.6/5

Left: 3400.244+/-2811.158 χ^2/NDF: 9.8/12

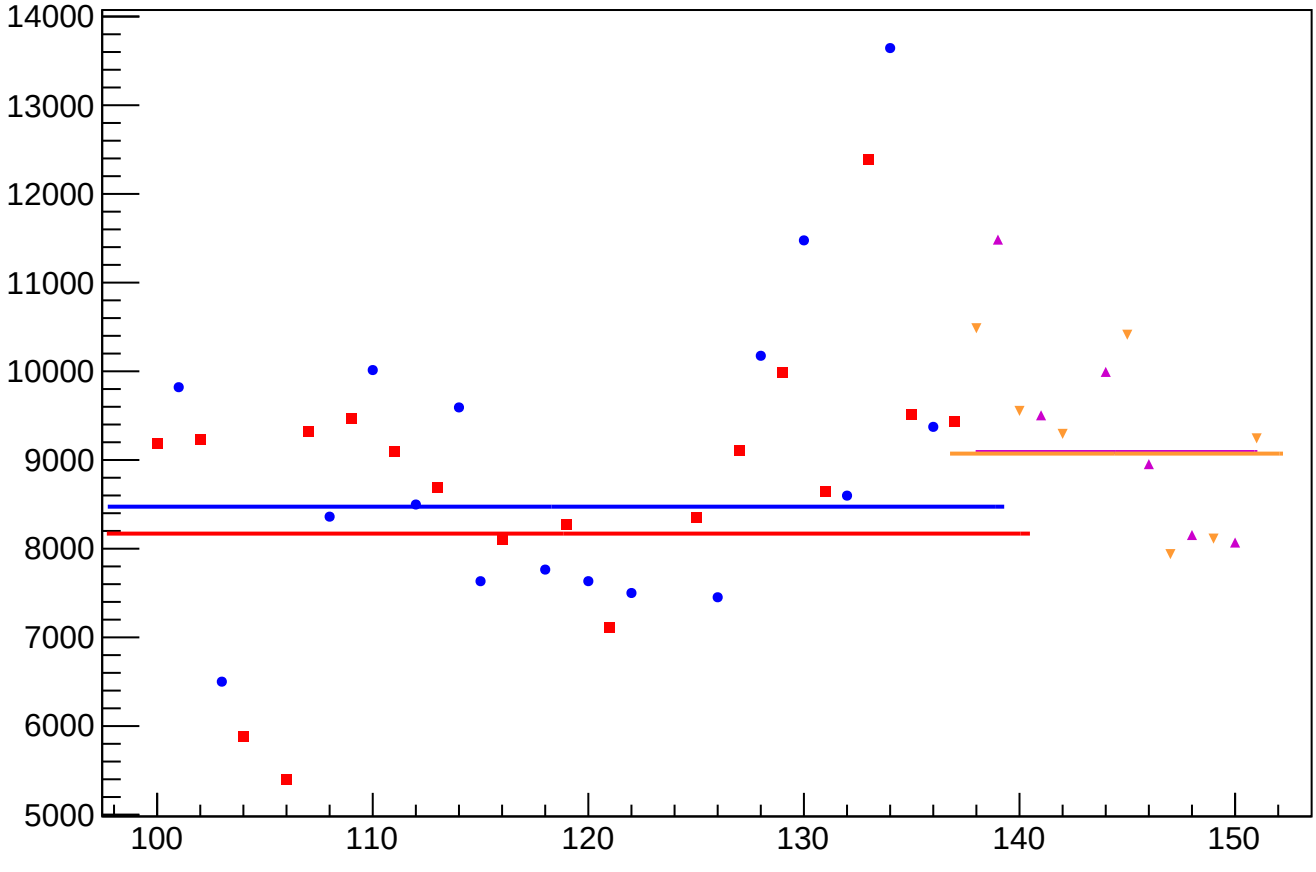
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -790.312+/-2502.432 χ^2/NDF:16.5/21

Out: 1811.052+/-2439.381 χ^2/NDF:25.3/24

All: 543.555+/-1746.768 χ^2/NDF: 42.4/46

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9072.028+/-2.795 χ^2/NDF:116806.1/6

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9090.056+/-2.827 χ^2/NDF:142268.9/5

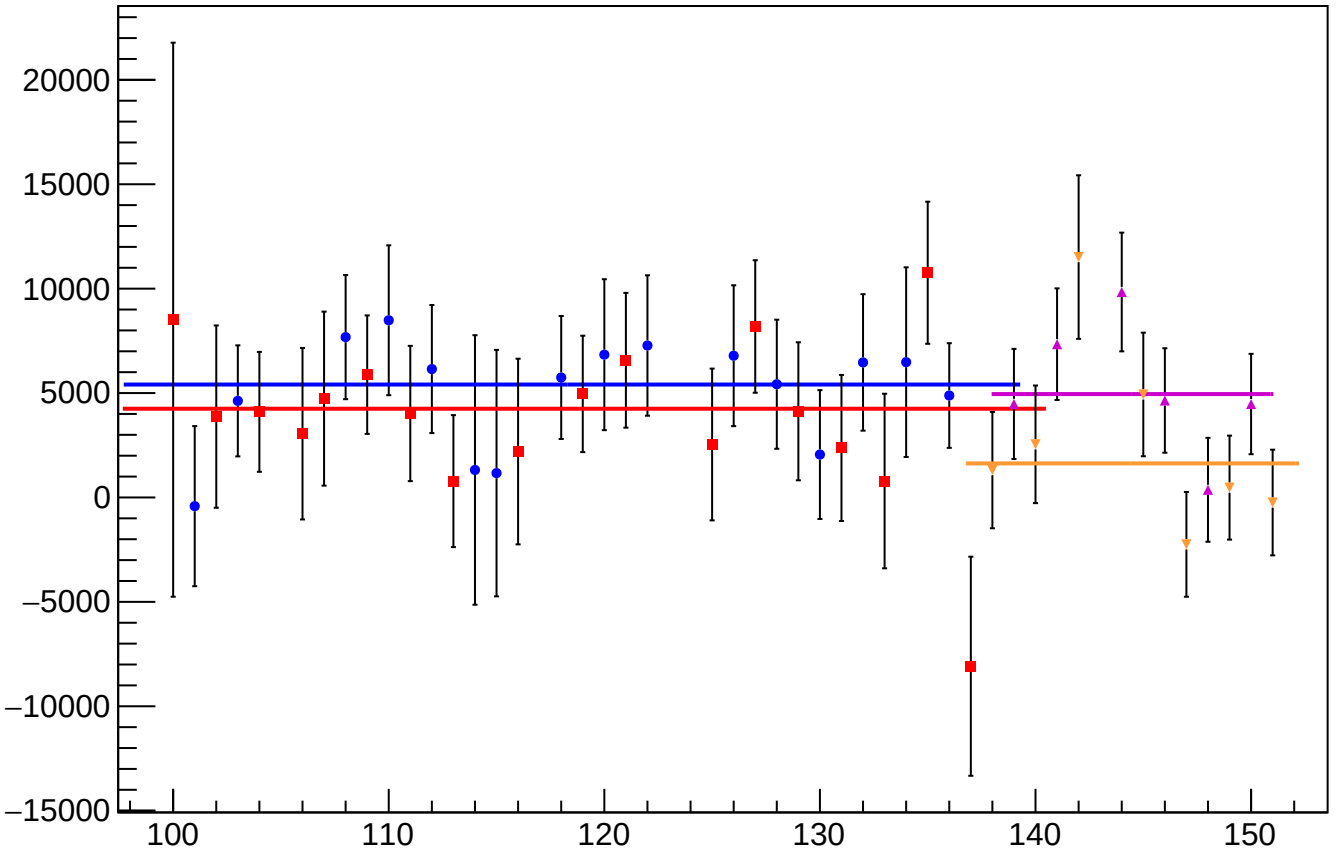
Left: 9080.939+/-1.988 χ^2/NDF: 259095.6/12

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8715.156+/-1.769 χ^2/NDF:600721.8/21

Out: 8513.486+/-1.725 χ^2/NDF:721208.3/24

All: 8611.748+/-1.235 χ^2/NDF: 1328590.5/46



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1630.588+/-1047.945 χ^2/NDF:10.9/6

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 4951.531+/-1052.910 χ^2/NDF:7.2/5

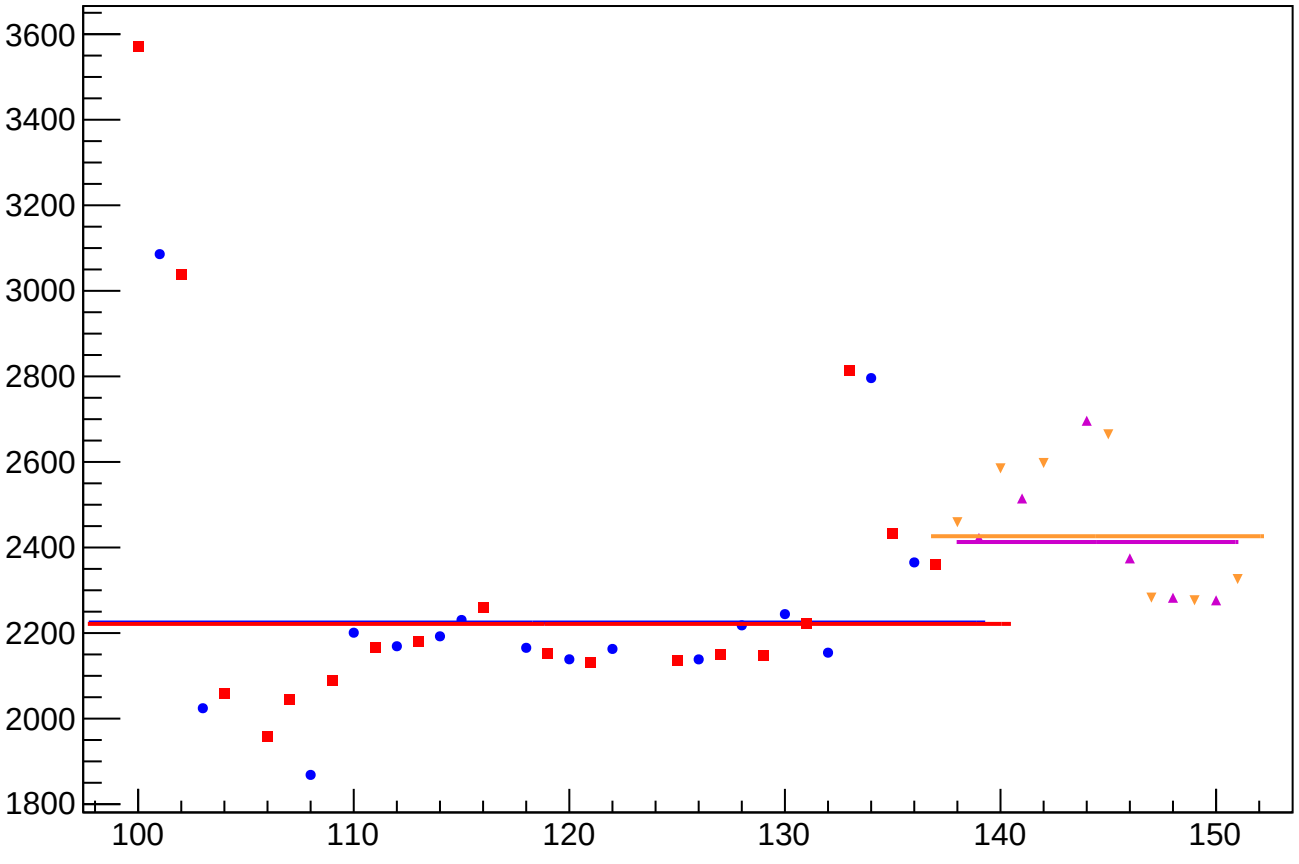
Left: 3283.211+/-742.758 χ^2/NDF: 23.1/12

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5232.019+/-653.609 χ^2/NDF:14.1/21

Out: 3226.272+/-655.112 χ^2/NDF:29.2/24

All: 4231.448+/-462.702 χ^2/NDF: 47.9/46



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2426.367+/-0.741 χ^2/NDF:40309.0/6

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2412.832+/-0.745 χ^2/NDF:35207.4/5

Left: 2419.632+/-0.525 χ^2/NDF: 75682.4/12

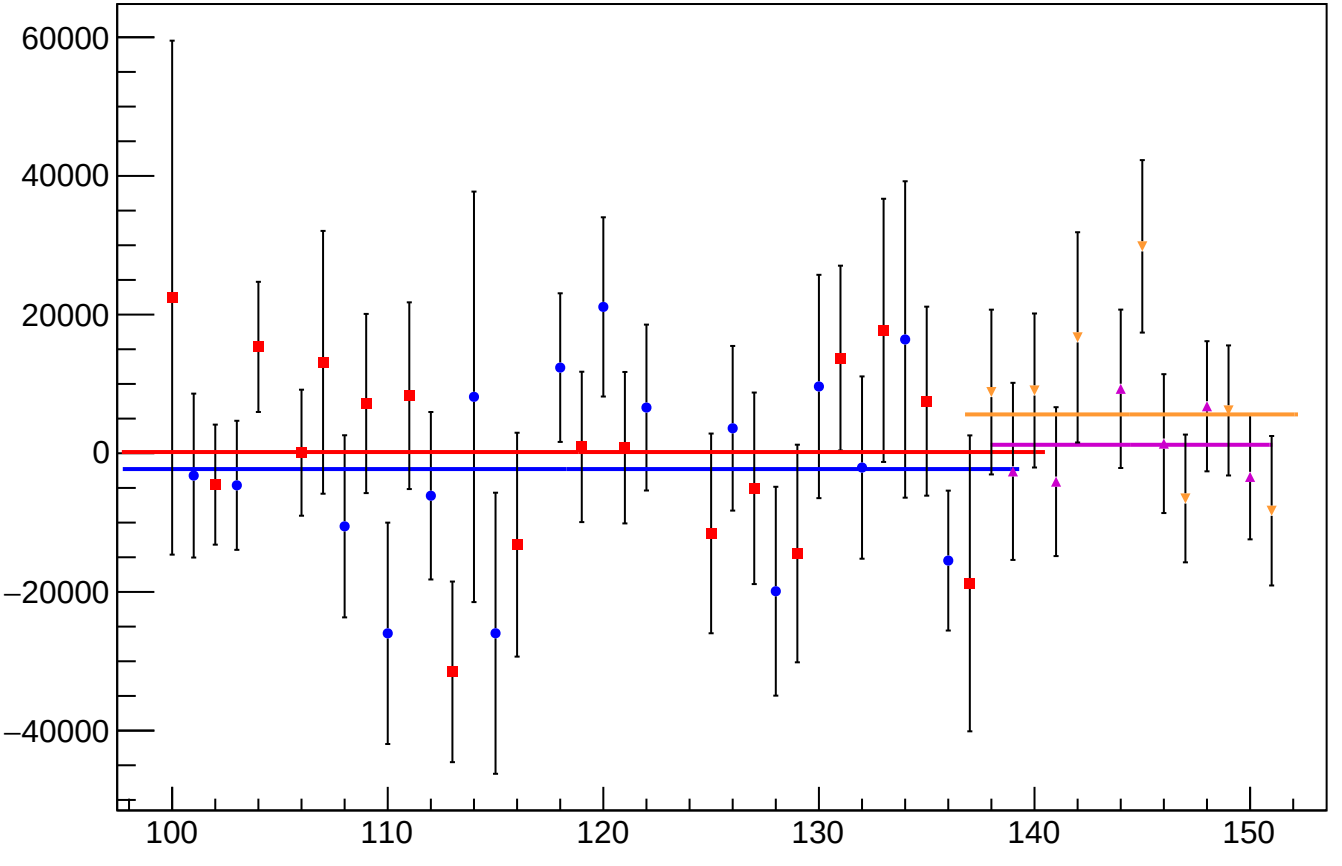
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2297.144+/-0.462 χ^2/NDF:259169.9/21

Out: 2301.456+/-0.463 χ^2/NDF:256874.6/24

All: 2299.296+/-0.327 χ^2/NDF: 516088.0/46

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: 5603.019+/-4161.099 χ^2/NDF:7.9/6

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 1222.842+/-4221.266 χ^2/NDF:1.4/5

Left: 3444.369+/-2963.384 χ^2/NDF: 9.9/12

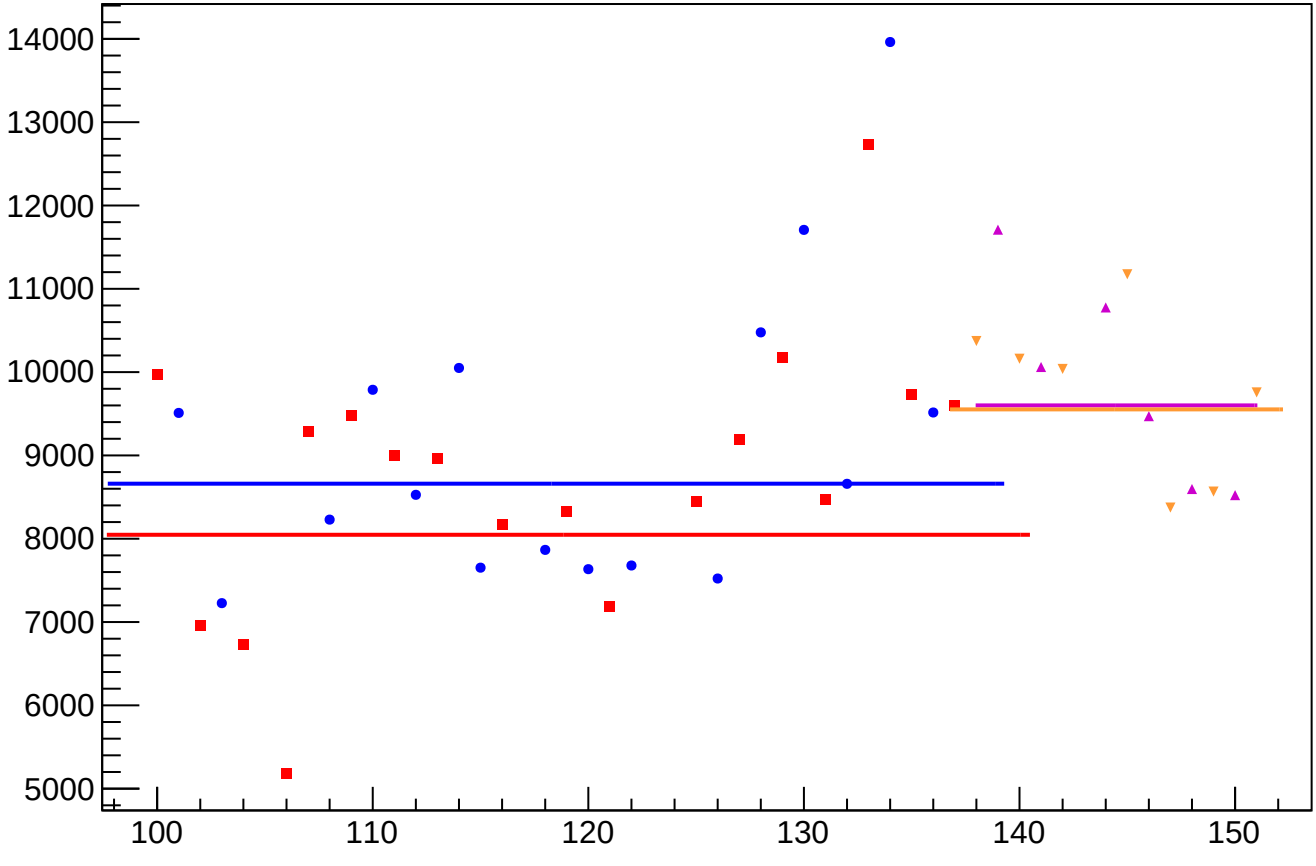
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -964.470+/-2585.960 χ^2/NDF:16.4/21

Out: 2061.506+/-2452.247 χ^2/NDF:24.7/24

All: 628.770+/-1779.394 χ^2/NDF: 41.7/46

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: 9552.542+/-2.942 χ^2/NDF:107150.2/6

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 9600.418+/-2.985 χ^2/NDF:131265.0/5

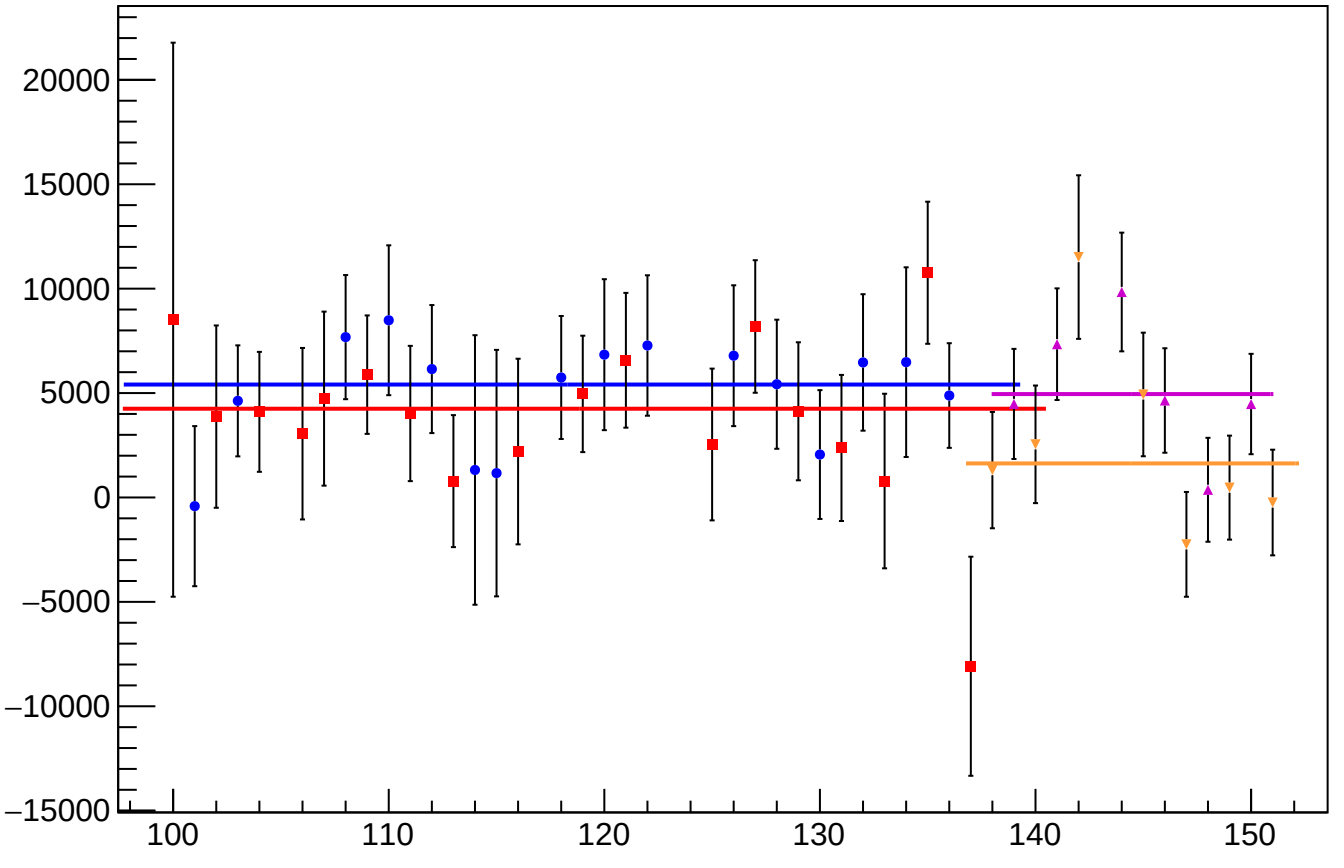
Left: 9576.136+/-2.095 χ^2/NDF: 238545.6/12

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9013.380+/-1.829 χ^2/NDF:551141.6/21

Out: 8570.184+/-1.734 χ^2/NDF:836492.4/24

All: 8780.028+/-1.258 χ^2/NDF: 1418564.9/46



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1630.593+/-1047.946 χ^2/NDF:10.9/6

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 4951.527+/-1052.911 χ^2/NDF:7.2/5

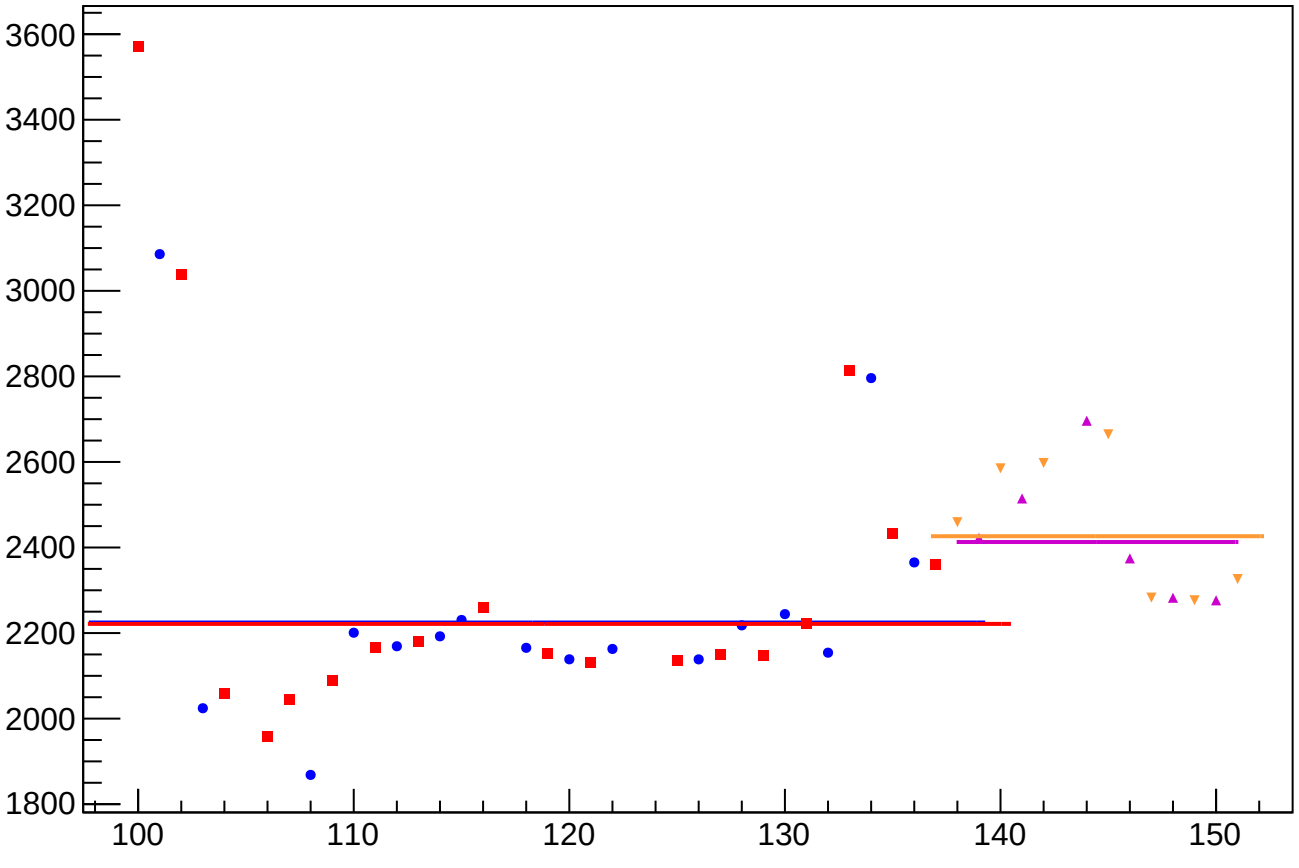
Left: 3283.211+/-742.759 χ^2/NDF: 23.1/12

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5232.018+/-653.610 χ^2/NDF:14.1/21

Out: 3226.278+/-655.112 χ^2/NDF:29.2/24

All: 4231.451+/-462.702 χ^2/NDF: 47.9/46



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2426.369+/-0.741 χ^2/NDF:40309.7/6

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2412.835+/-0.745 χ^2/NDF:35207.7/5

Left: 2419.634+/-0.525 χ^2/NDF: 75683.3/12

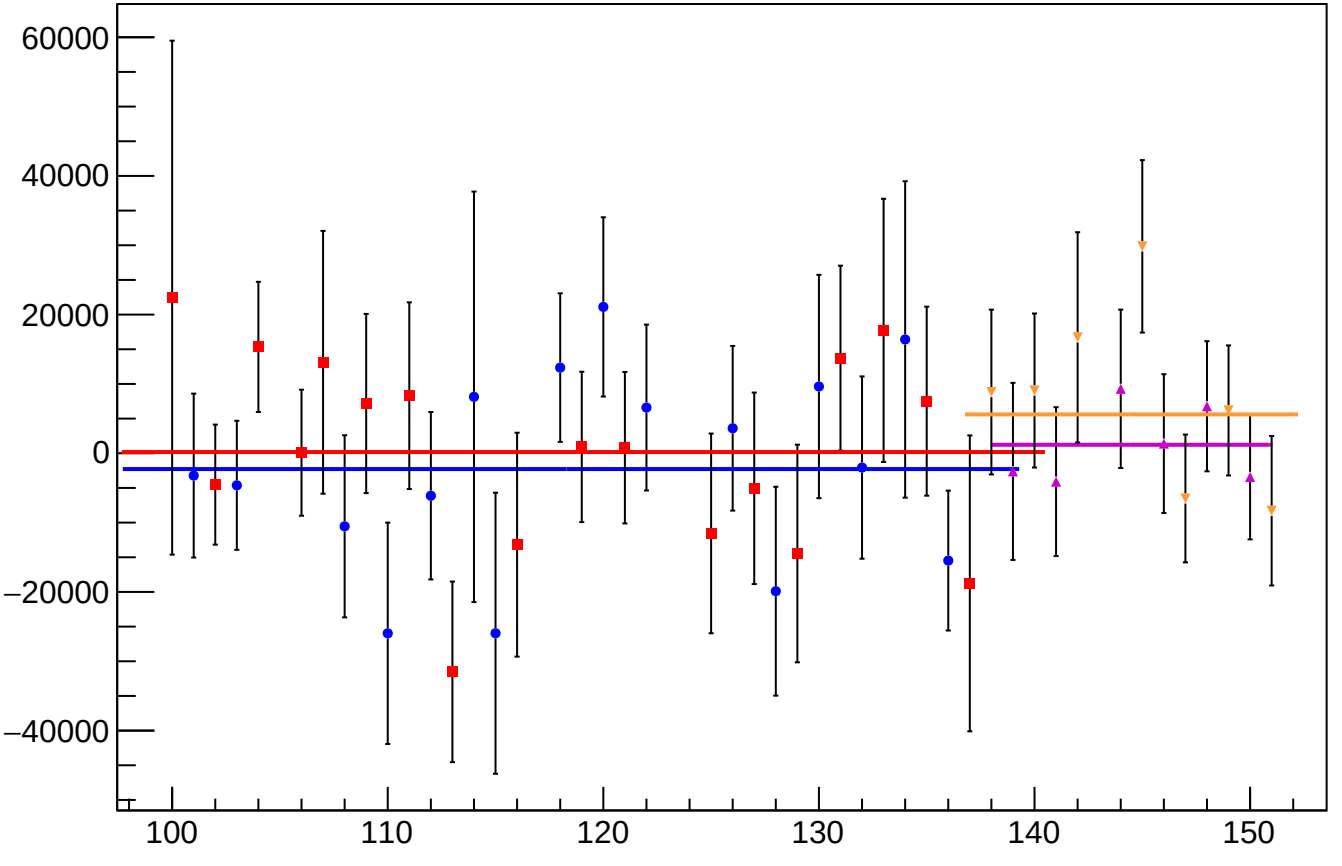
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2297.144+/-0.462 χ^2/NDF:259171.9/21

Out: 2301.457+/-0.463 χ^2/NDF:256876.6/24

All: 2299.296+/-0.327 χ^2/NDF: 516091.9/46

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: 5603.017+/-4161.105 χ^2/NDF:7.9/6

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 1222.839+/-4221.272 χ^2/NDF:1.4/5

Left: 3444.366+/-2963.389 χ^2/NDF: 9.9/12

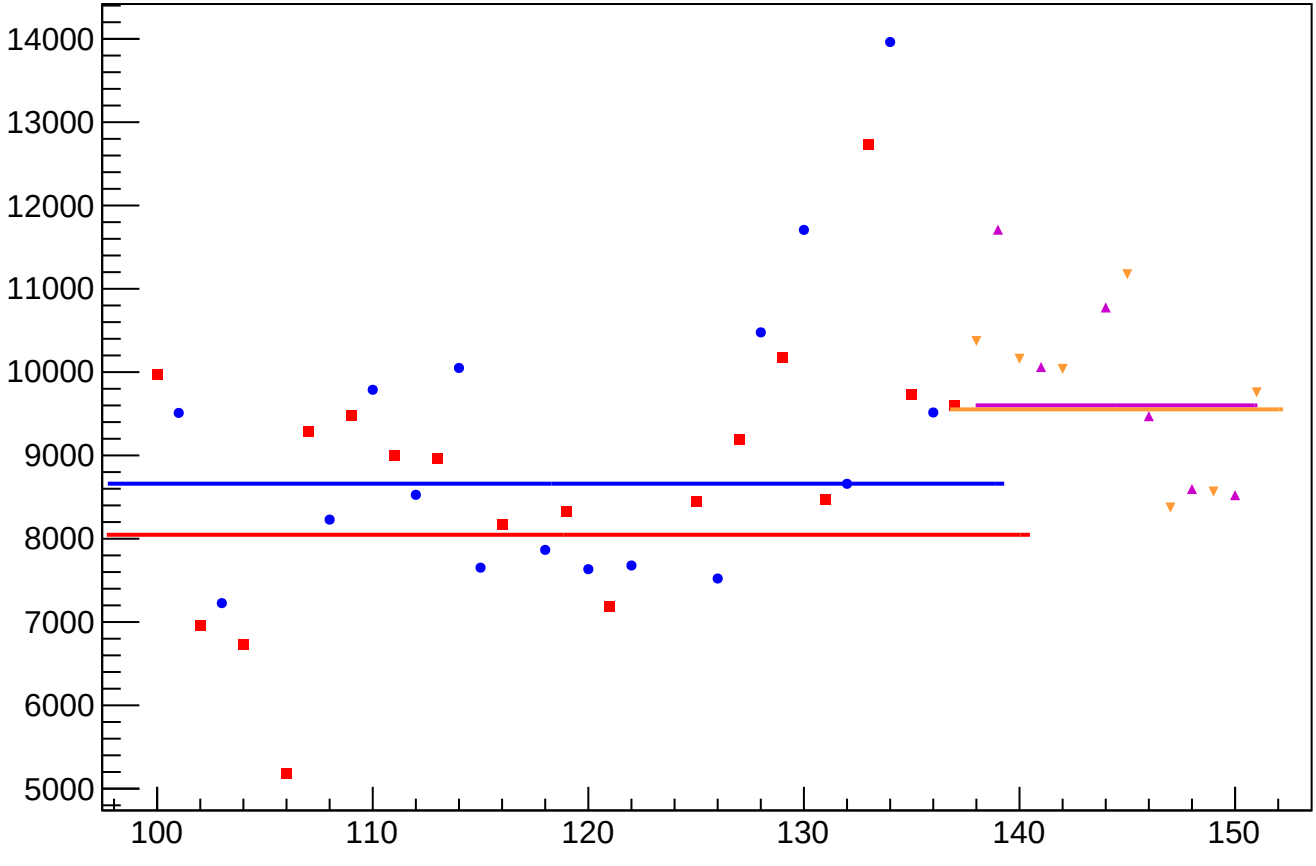
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -964.463+/-2585.958 χ^2/NDF:16.4/21

Out: 2061.499+/-2452.245 χ^2/NDF:24.7/24

All: 628.770+/-1779.393 χ^2/NDF: 41.7/46

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: 9552.554+/-2.942 χ^2/NDF:107151.3/6

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 9600.431+/-2.985 χ^2/NDF:131266.0/5

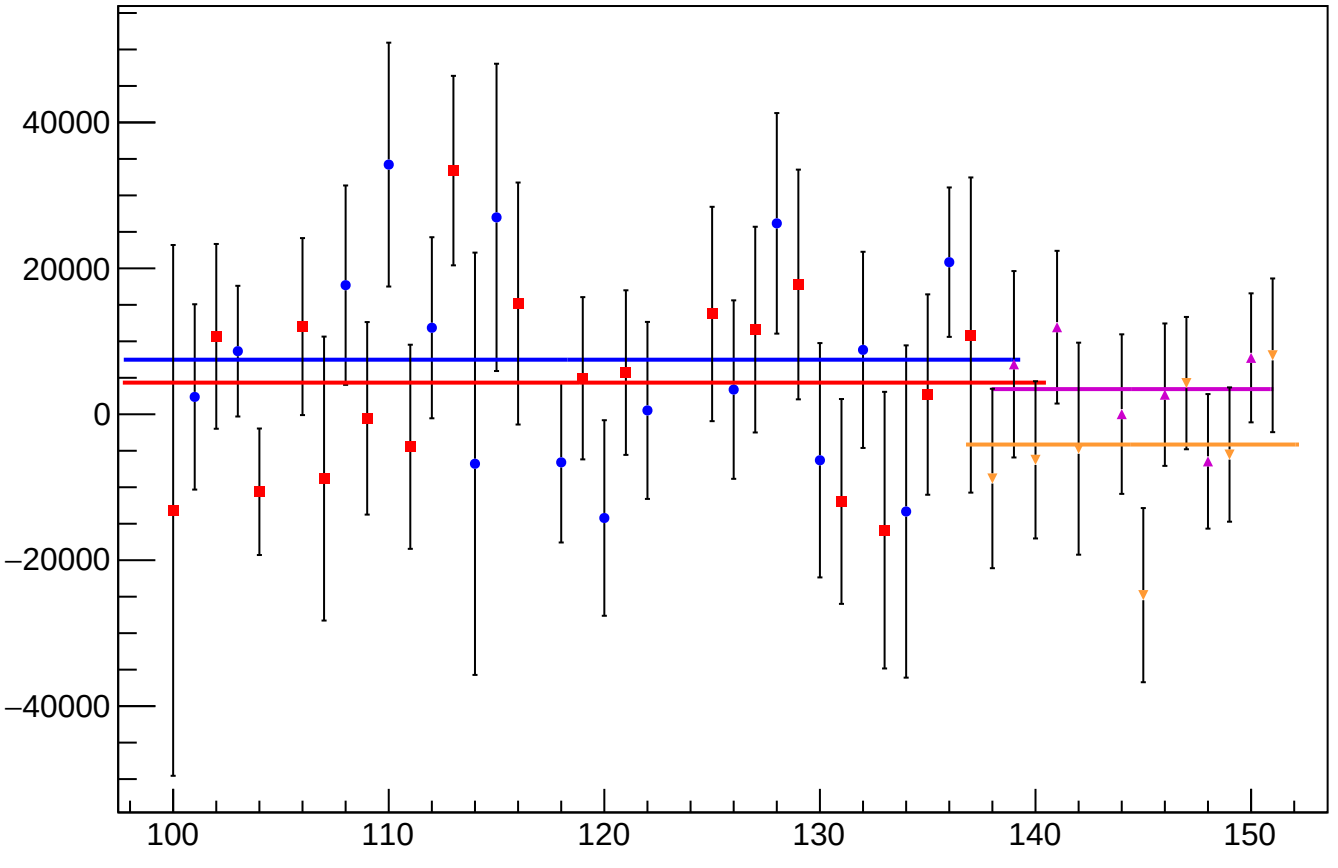
Left: 9576.149+/-2.095 χ^2/NDF: 238547.9/12

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9013.370+/-1.829 χ^2/NDF:551149.3/21

Out: 8570.174+/-1.734 χ^2/NDF:836498.6/24

All: 8780.018+/-1.258 χ^2/NDF: 1418579.0/46



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -4146.519+/-4083.752 χ^2/NDF:5.4/6

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 3451.381+/-4128.431 χ^2/NDF:2.2/5

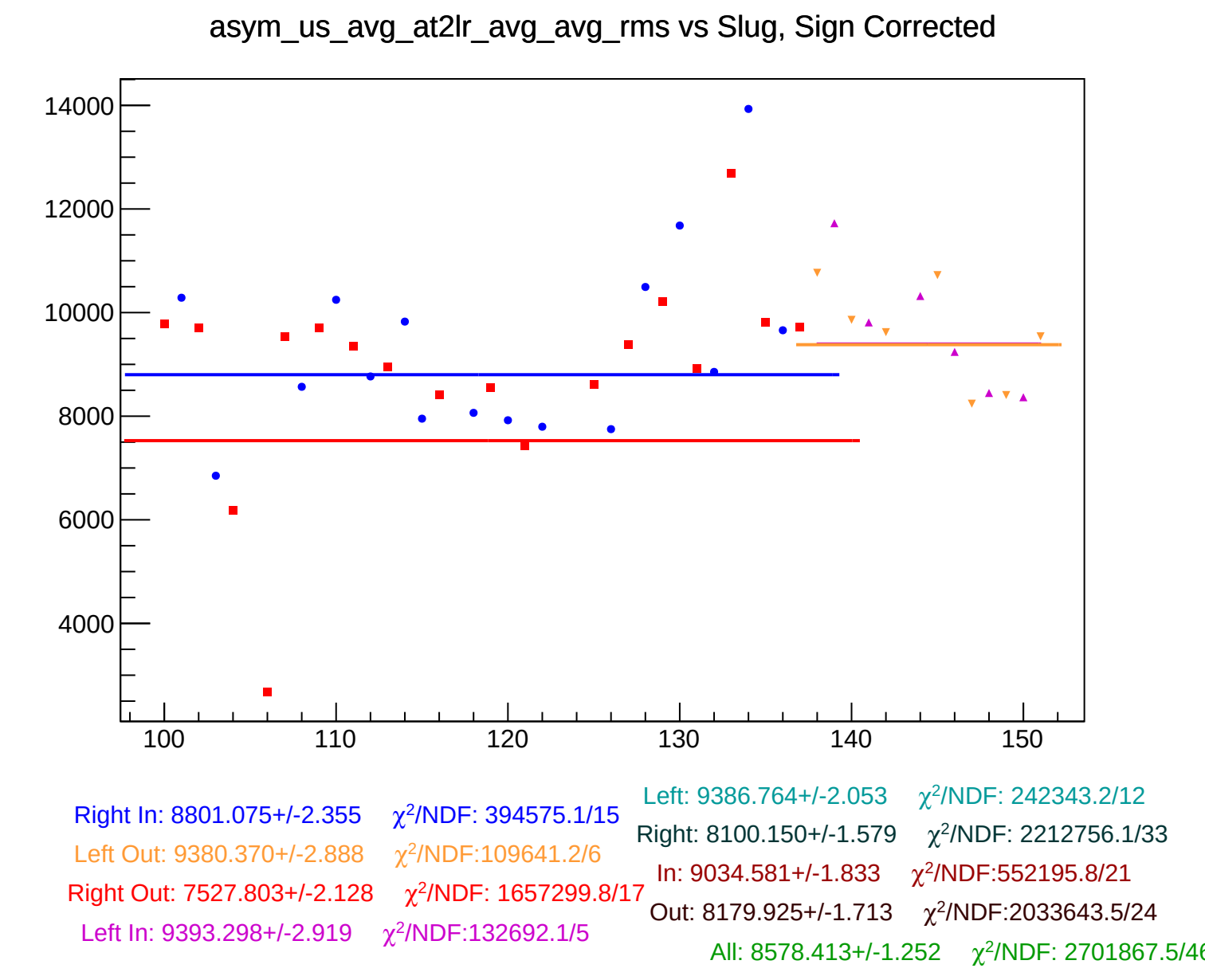
Left: -388.905+/-2903.316 χ^2/NDF: 9.3/12

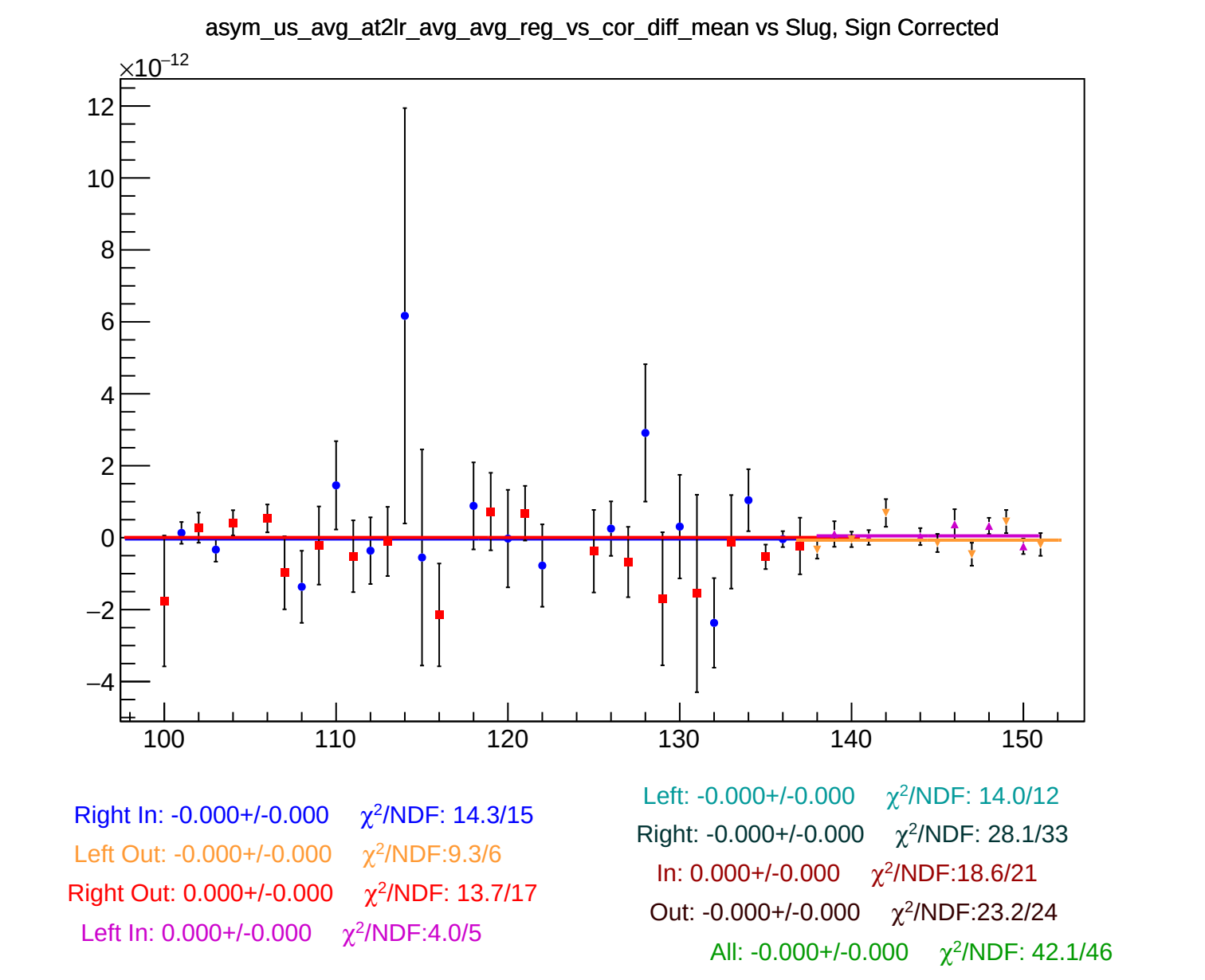
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

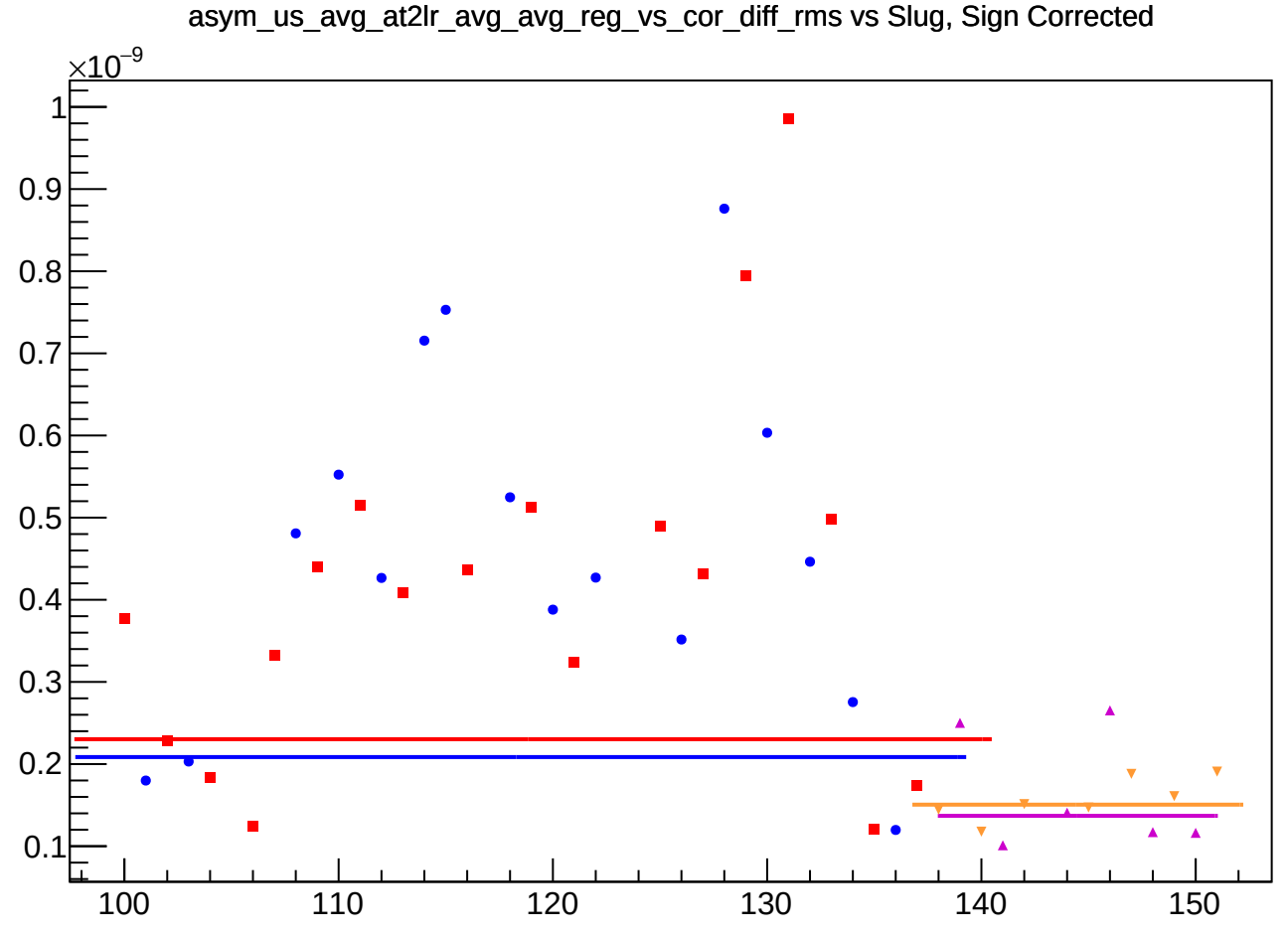
In: 5892.614+/-2592.357 χ^2/NDF:16.8/21

Out: 1057.267+/-2539.440 χ^2/NDF:22.4/24

All: 3425.086+/-1814.075 χ^2/NDF: 41.0/46


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
Right In: 8801.075+/-2.355 χ²/NDF: 394575.1/15
Left Out: 9380.370+/-2.888 χ²/NDF:109641.2/6
Right Out: 7527.803+/-2.128 χ²/NDF: 1657299.8/17
Left In: 9393.298+/-2.919 χ²/NDF:132692.1/5
Left: 9386.764+/-2.053 χ²/NDF: 242343.2/12
Right: 8100.150+/-1.579 χ²/NDF: 2212756.1/33
In: 9034.581+/-1.833 χ²/NDF:552195.8/21
Out: 8179.925+/-1.713 χ²/NDF:2033643.5/24
All: 8578.413+/-1.252 χ²/NDF: 2701867.5/46


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: -0.000+/-0.000 χ²/NDF:9.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/17
Left In: 0.000+/-0.000 χ²/NDF:4.0/5
Left: -0.000+/-0.000 χ²/NDF: 14.0/12
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: 0.000+/-0.000 χ²/NDF:18.6/21
Out: -0.000+/-0.000 χ²/NDF:23.2/24
All: -0.000+/-0.000 χ²/NDF: 42.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:110576.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:486190.9/5

Left: 0.000+/-0.000 χ^2/NDF: 614070.5/12

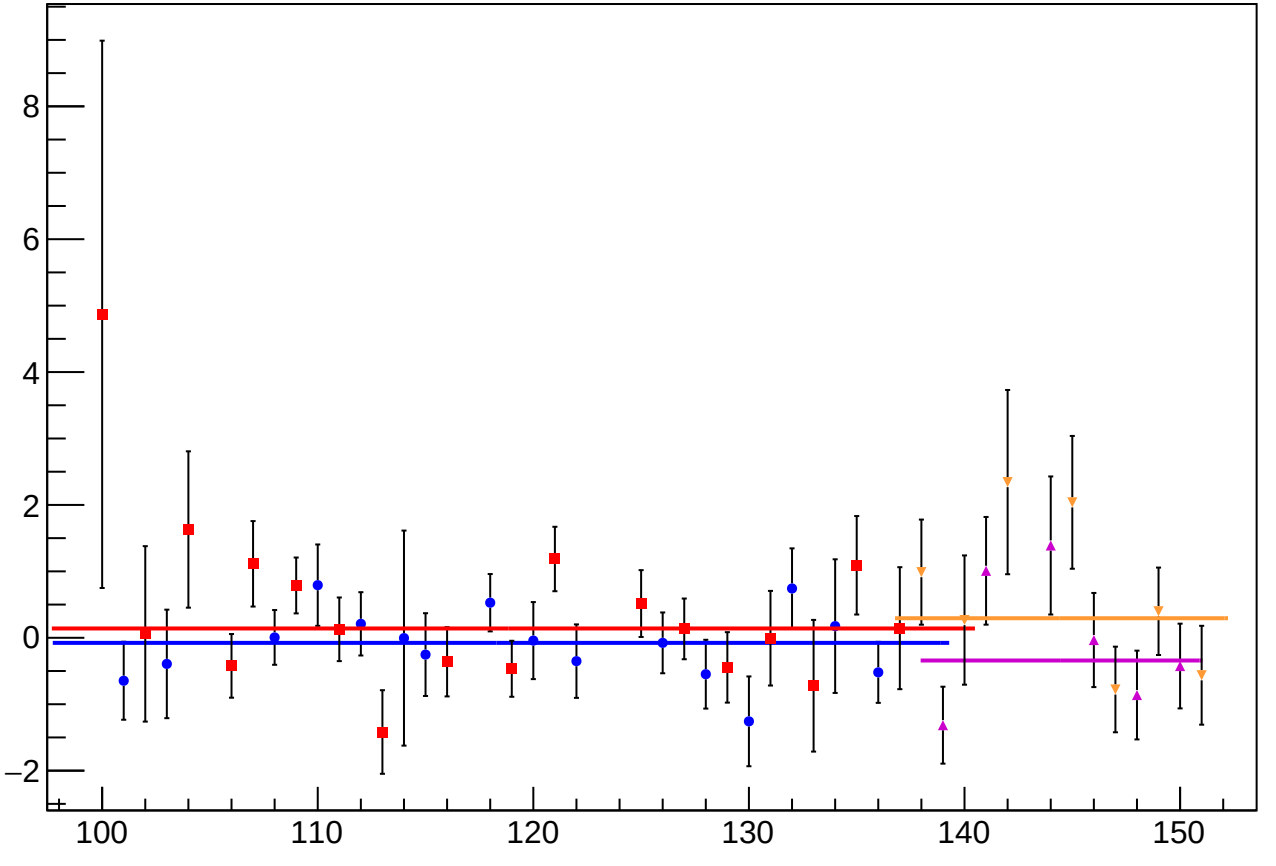
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2455454.7/21

Out: 0.000+/-0.000 χ^2/NDF:2028733.4/24

All: 0.000+/-0.000 χ^2/NDF: 4512313.4/46

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: 0.294+/-0.306 χ^2/NDF:10.1/6

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.342+/-0.287 χ^2/NDF:9.2/5

Left: -0.044+/-0.209 χ^2/NDF: 21.6/12

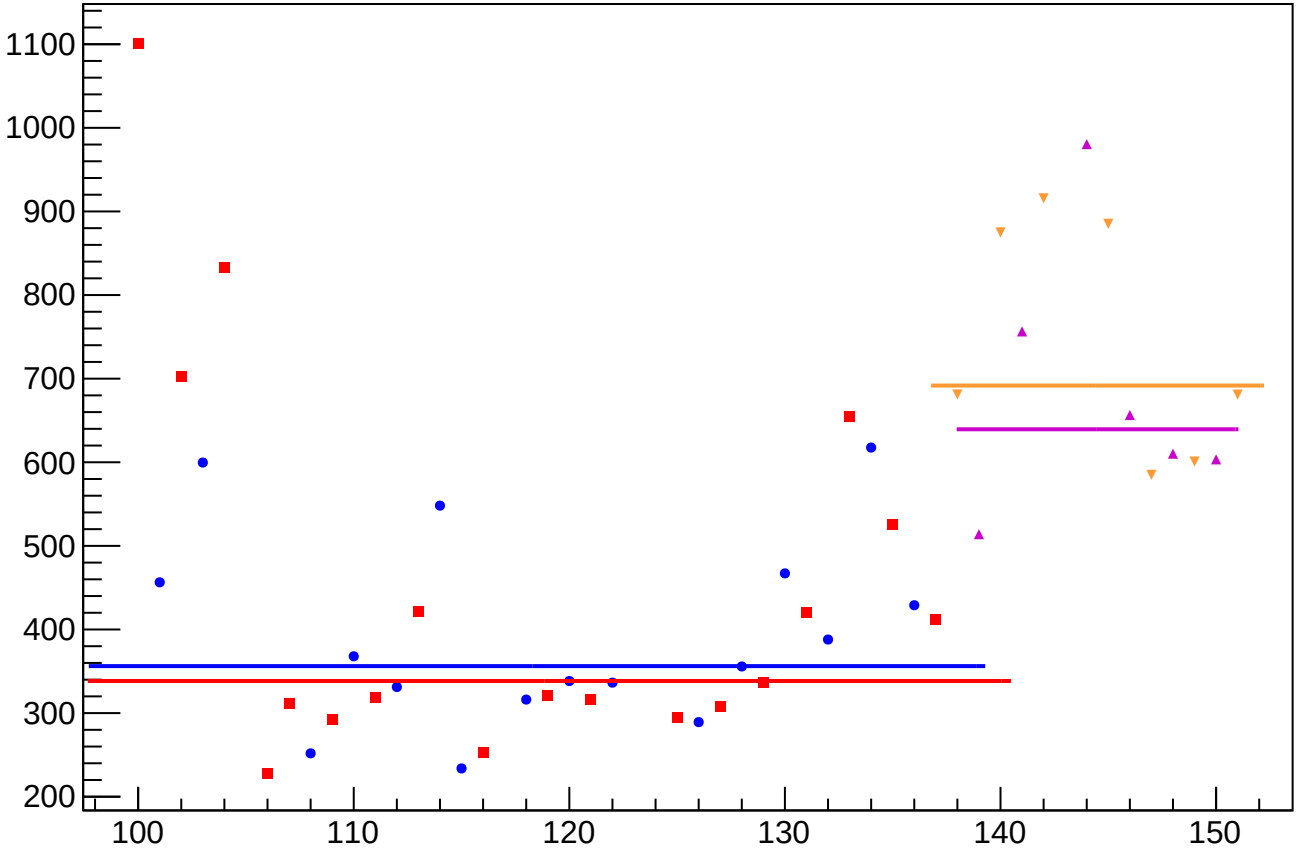
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.127+/-0.126 χ^2/NDF:22.4/21

Out: 0.166+/-0.126 χ^2/NDF:37.3/24

All: 0.020+/-0.089 χ^2/NDF: 62.4/46

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: 691.745+/-0.216 χ^2/NDF:291787.2/6

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 639.460+/-0.203 χ^2/NDF:362390.7/5

Left: 663.973+/-0.148 χ^2/NDF: 685241.1/12

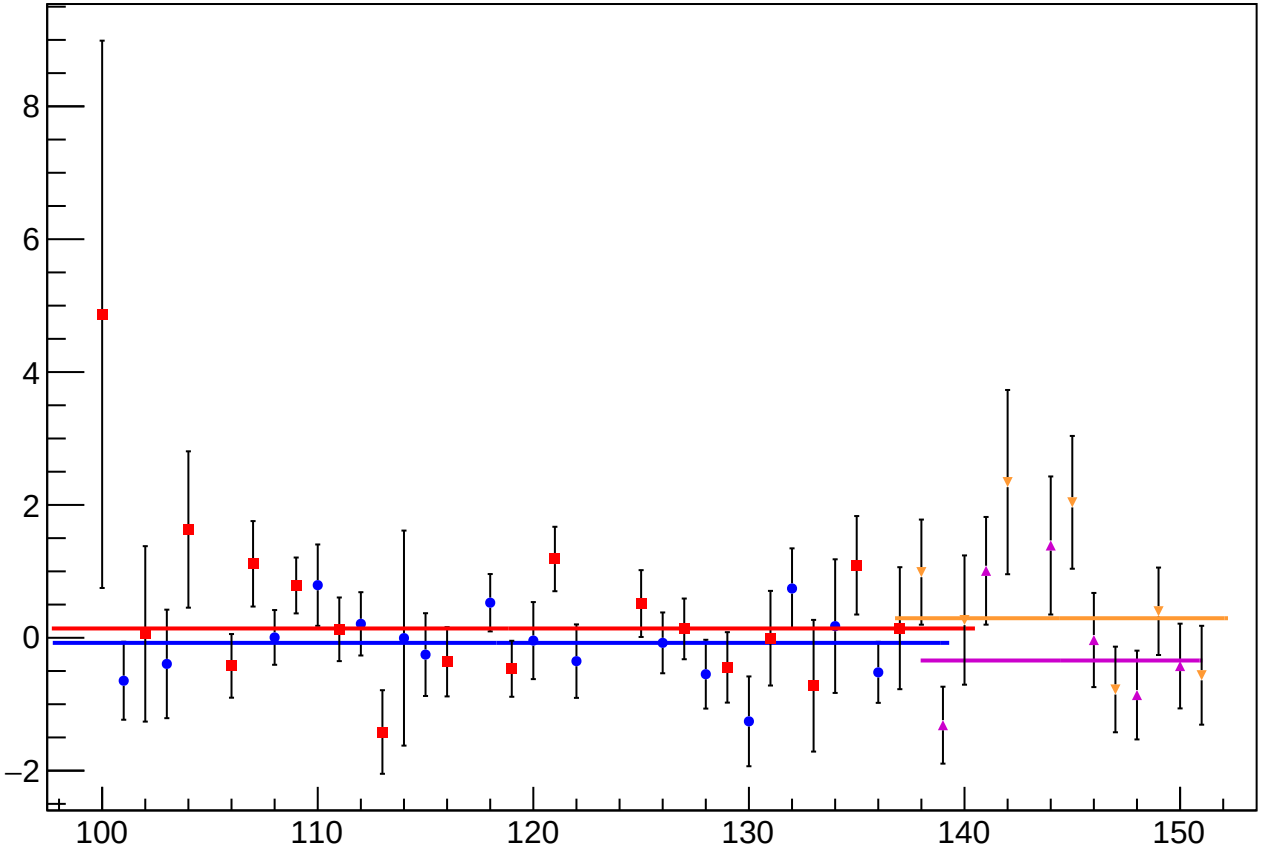
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 410.497+/-0.089 χ^2/NDF:2719493.9/21

Out: 398.184+/-0.089 χ^2/NDF:3714032.0/24

All: 404.340+/-0.063 χ^2/NDF: 6443110.5/46

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: 0.294+/-0.306 χ^2/NDF:10.1/6

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.342+/-0.287 χ^2/NDF:9.2/5

Left: -0.044+/-0.209 χ^2/NDF: 21.6/12

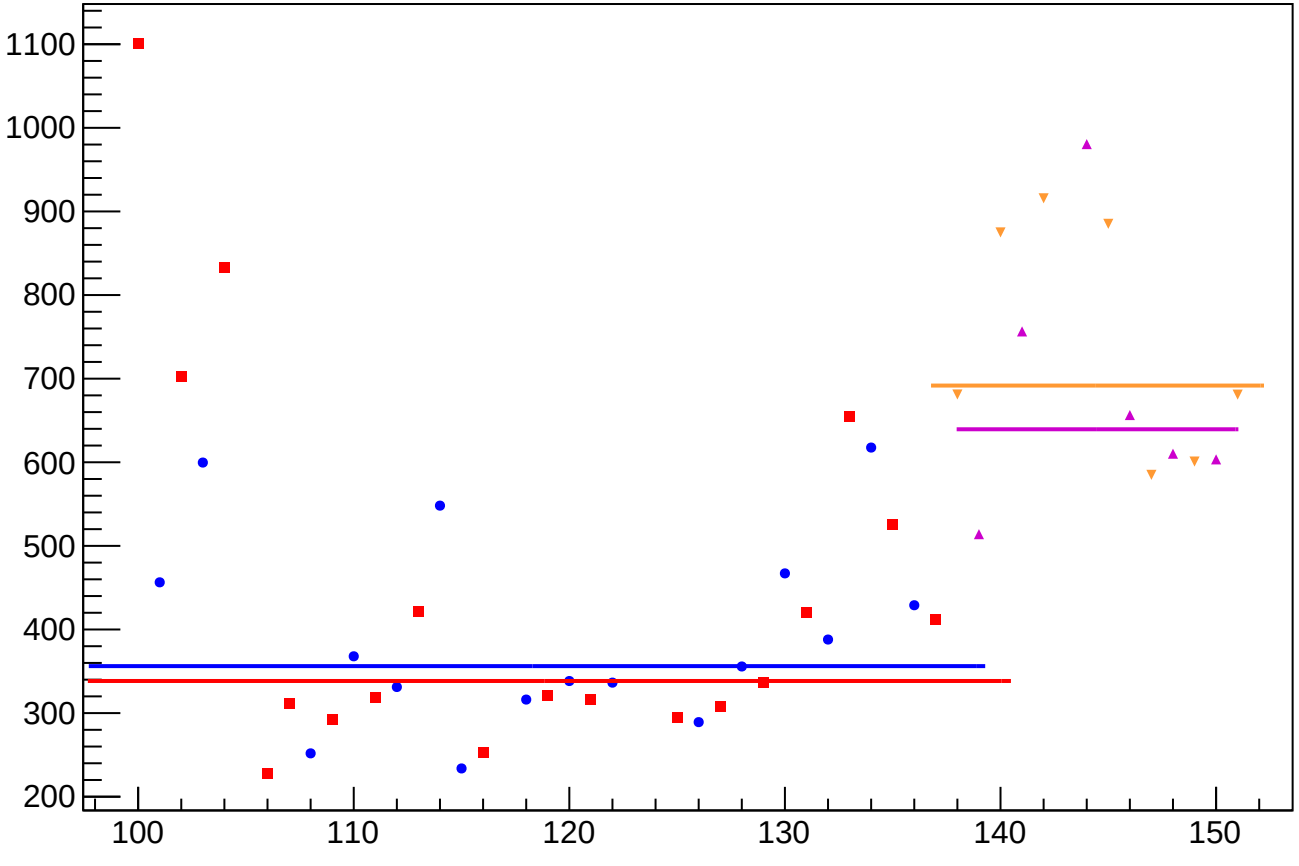
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.127+/-0.126 χ^2/NDF:22.4/21

Out: 0.166+/-0.126 χ^2/NDF:37.3/24

All: 0.020+/-0.089 χ^2/NDF: 62.4/46

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: 691.745+/-0.216 χ^2/NDF:291787.2/6

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 639.460+/-0.203 χ^2/NDF:362390.7/5

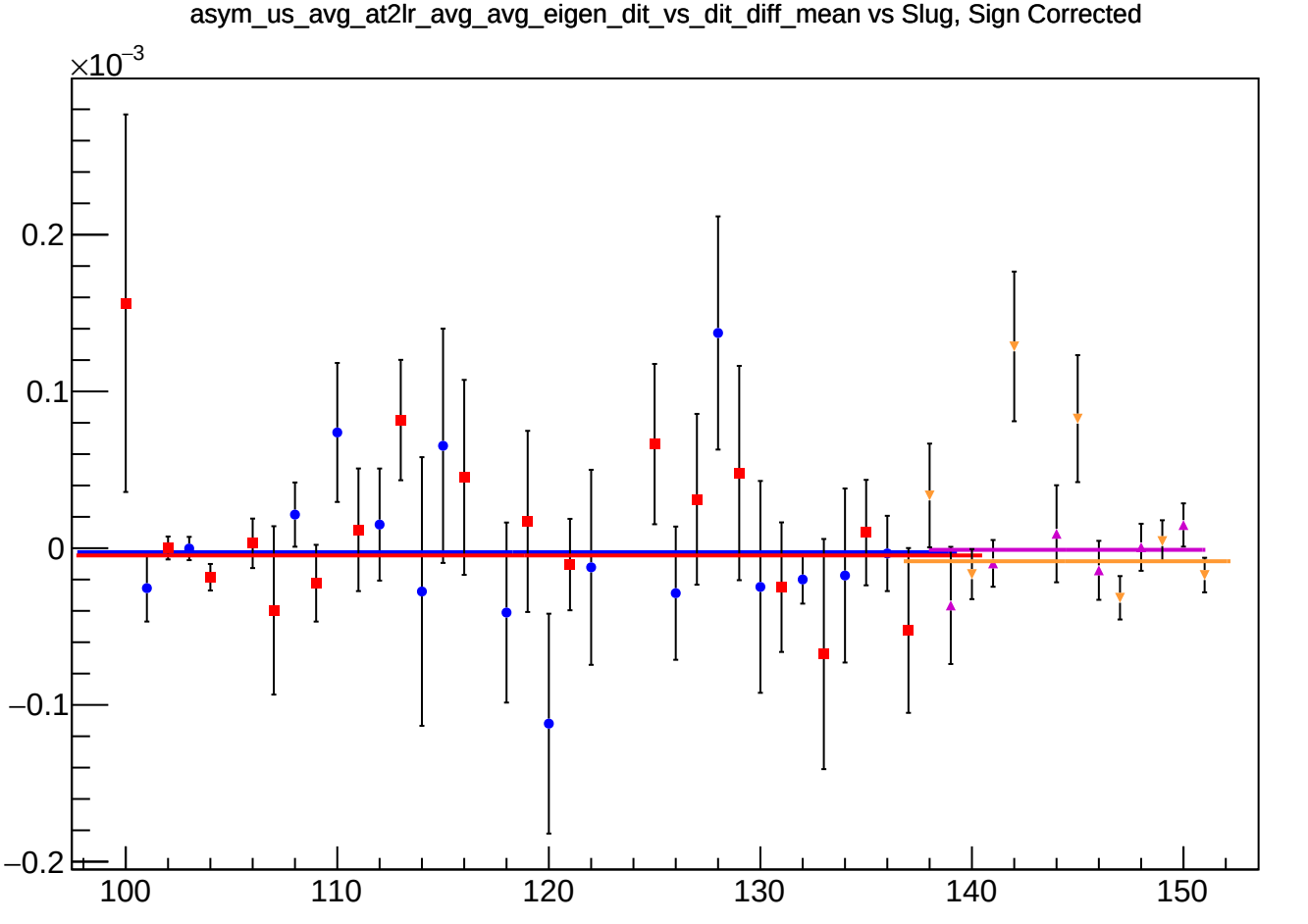
Left: 663.973+/-0.148 χ^2/NDF: 685241.1/12

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 410.497+/-0.089 χ^2/NDF:2719493.9/21

Out: 398.184+/-0.089 χ^2/NDF:3714032.0/24

All: 404.340+/-0.063 χ^2/NDF: 6443110.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:3.2/5

Left: -0.000+/-0.000 χ^2/NDF: 23.3/12

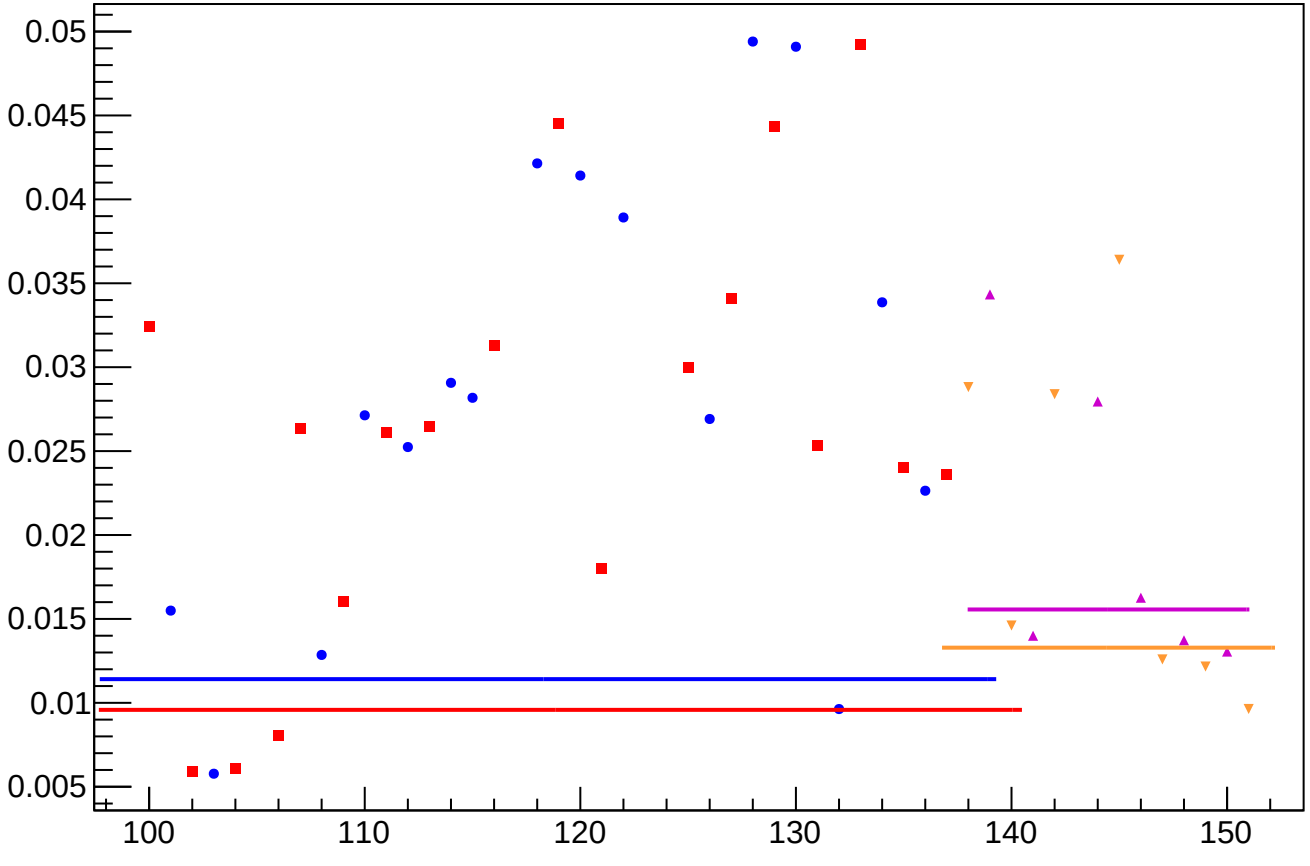
Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:18.2/21

Out: -0.000+/-0.000 χ^2/NDF:36.9/24

All: -0.000+/-0.000 χ^2/NDF: 55.6/46

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:1544961.2/6

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.016+/-0.000 χ^2/NDF:946112.4/5

Left: 0.014+/-0.000 χ^2/NDF: 2602060.9/12

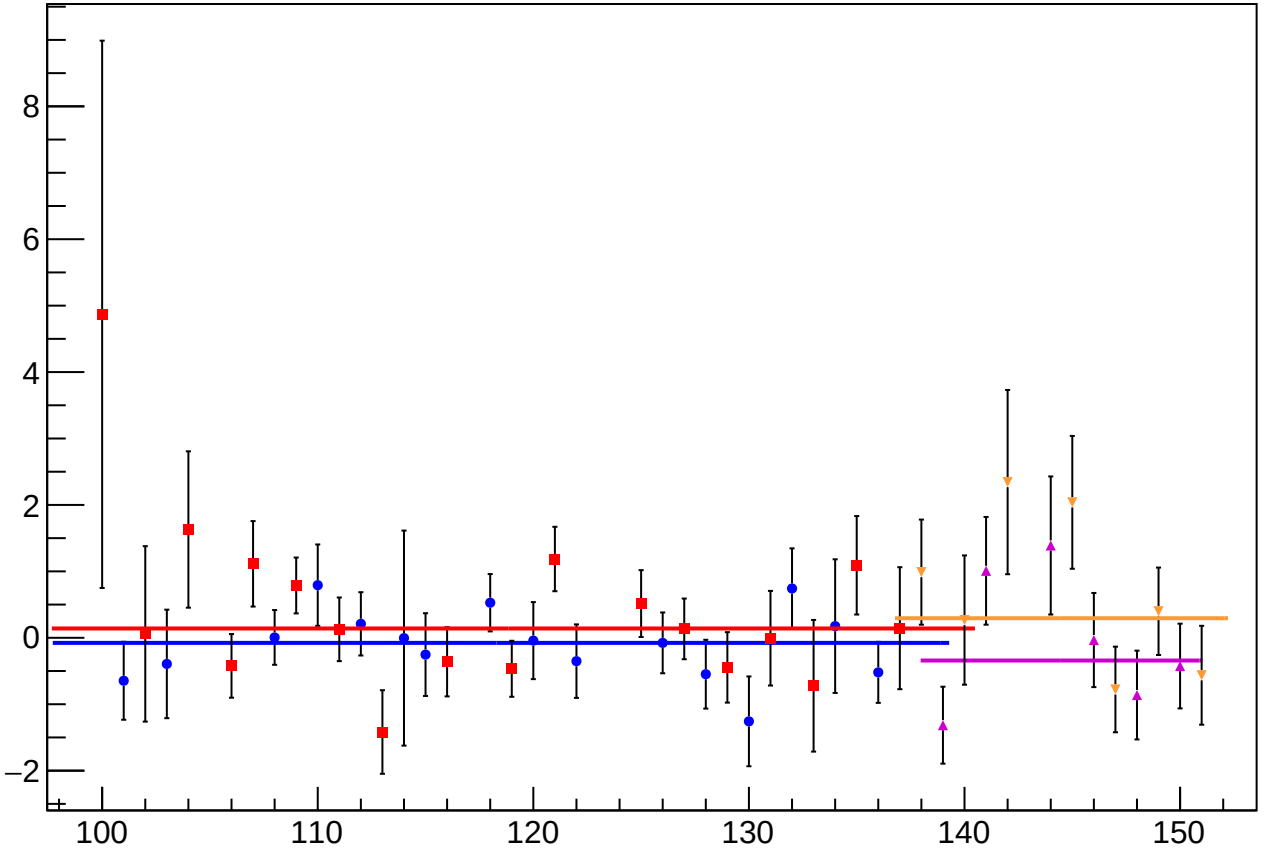
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:6855877.9/21

Out: 0.011+/-0.000 χ^2/NDF:7773311.8/24

All: 0.012+/-0.000 χ^2/NDF: 14872247.0/46

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: 0.294+/-0.306 χ^2/NDF:10.1/6

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.342+/-0.287 χ^2/NDF:9.2/5

Left: -0.044+/-0.209 χ^2/NDF: 21.6/12

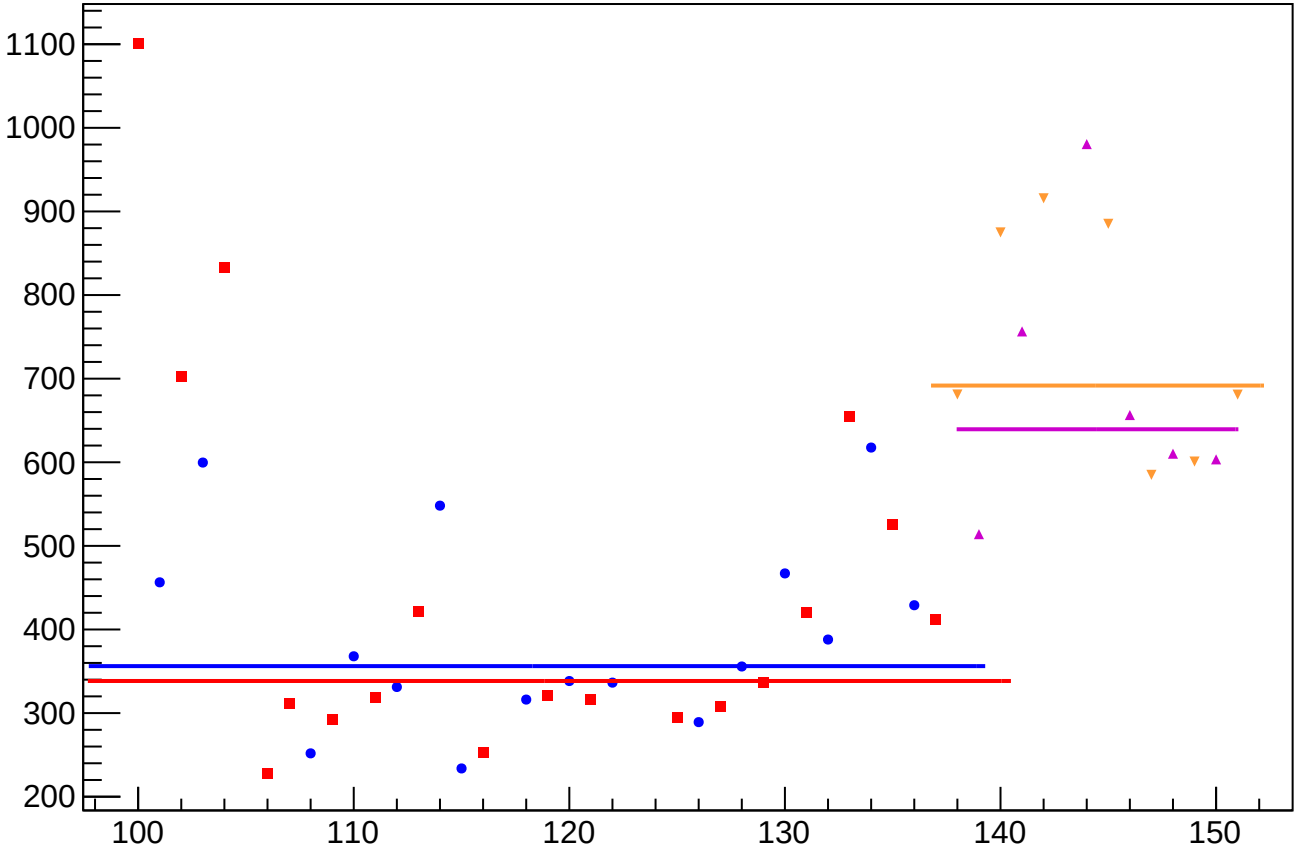
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.127+/-0.126 χ^2/NDF:22.4/21

Out: 0.166+/-0.126 χ^2/NDF:37.3/24

All: 0.020+/-0.089 χ^2/NDF: 62.4/46

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 691.752+/-0.216 χ^2/NDF:291792.1/6

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 639.470+/-0.203 χ^2/NDF:362379.2/5

Left: 663.982+/-0.148 χ^2/NDF: 685231.0/12

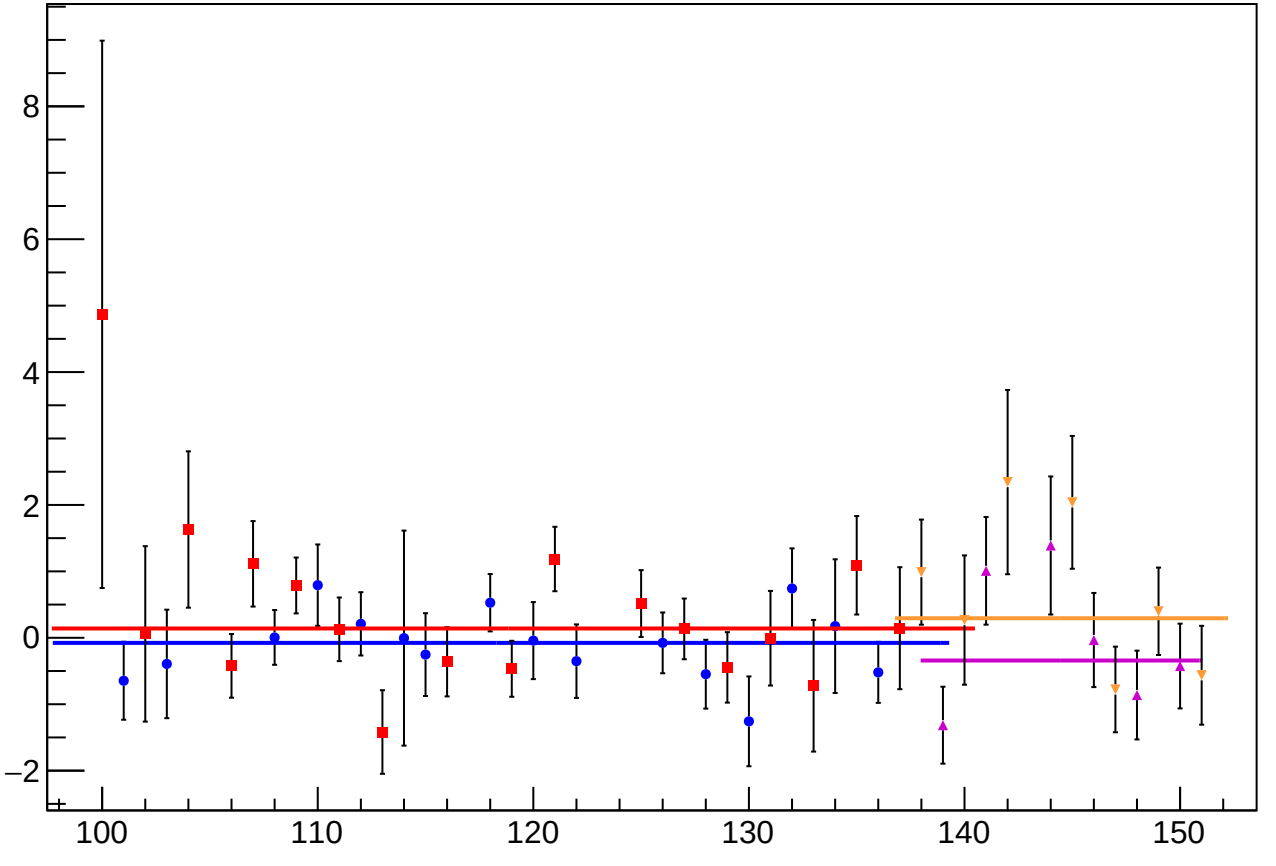
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 410.496+/-0.089 χ^2/NDF:2719535.7/21

Out: 398.182+/-0.089 χ^2/NDF:3714098.7/24

All: 404.338+/-0.063 χ^2/NDF: 6443221.0/46

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: 0.294+/-0.306 χ^2/NDF:10.1/6

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.342+/-0.287 χ^2/NDF:9.2/5

Left: -0.044+/-0.209 χ^2/NDF: 21.6/12

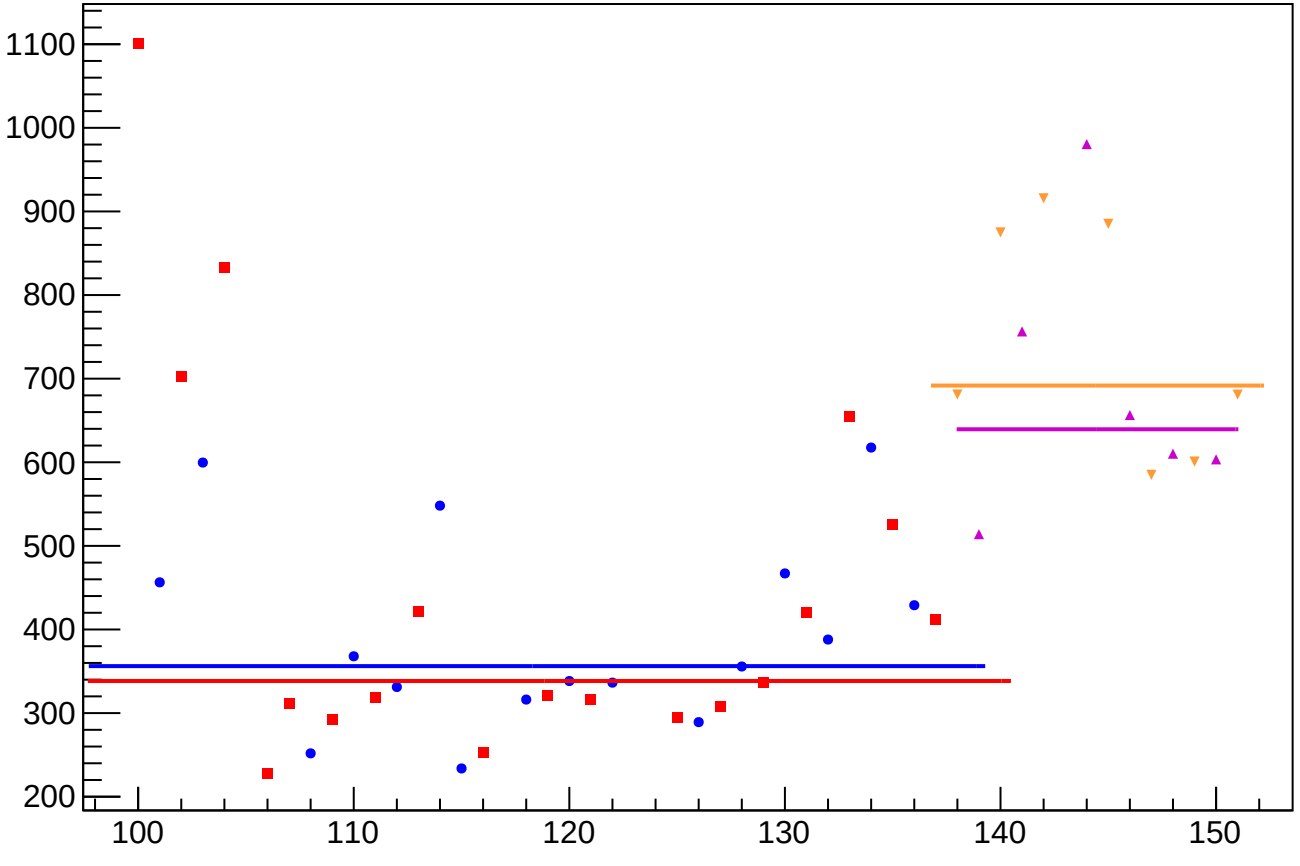
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.127+/-0.126 χ^2/NDF:22.4/21

Out: 0.166+/-0.126 χ^2/NDF:37.3/24

All: 0.020+/-0.089 χ^2/NDF: 62.4/46

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: 691.752+/-0.216 χ^2/NDF:291792.1/6

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 639.470+/-0.203 χ^2/NDF:362379.2/5

Left: 663.982+/-0.148 χ^2/NDF: 685231.0/12

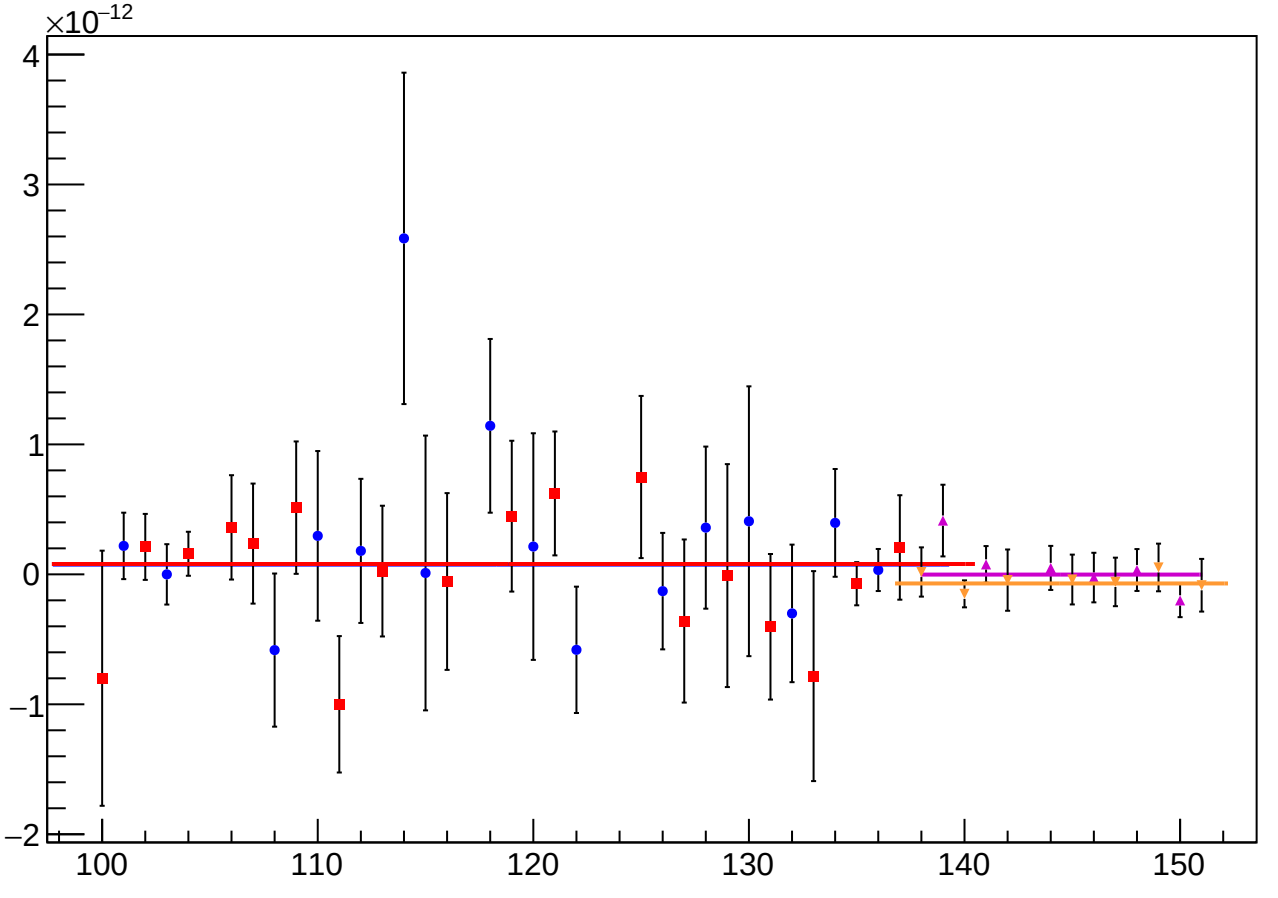
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 410.496+/-0.089 χ^2/NDF:2719535.7/21

Out: 398.182+/-0.089 χ^2/NDF:3714098.7/24

All: 404.338+/-0.063 χ^2/NDF: 6443221.0/46

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.1/5

Left: -0.000+/-0.000 χ^2/NDF: 7.0/12

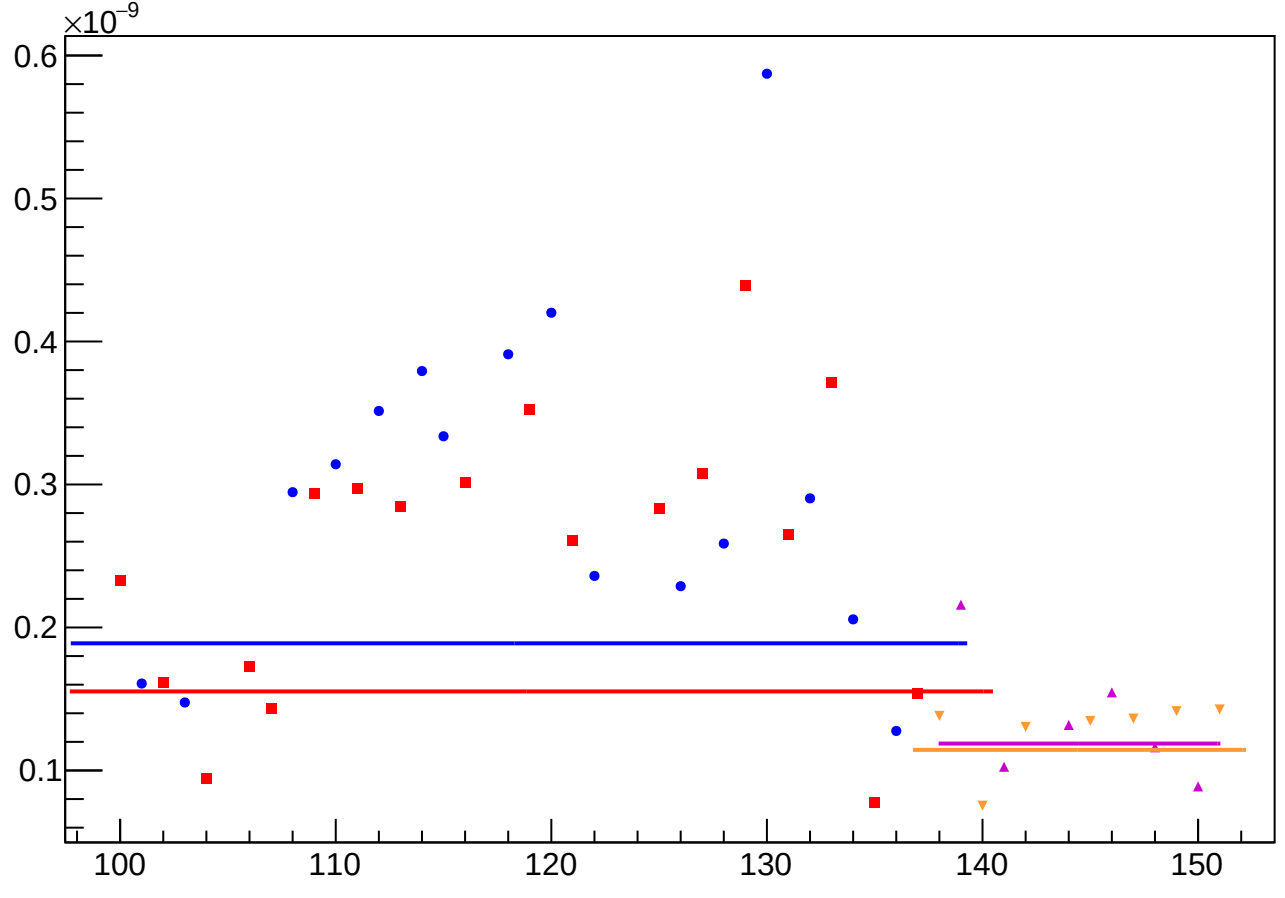
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:17.3/21

Out: -0.000+/-0.000 χ^2/NDF:16.4/24

All: 0.000+/-0.000 χ^2/NDF: 34.0/46

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:455130.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:465050.5/5

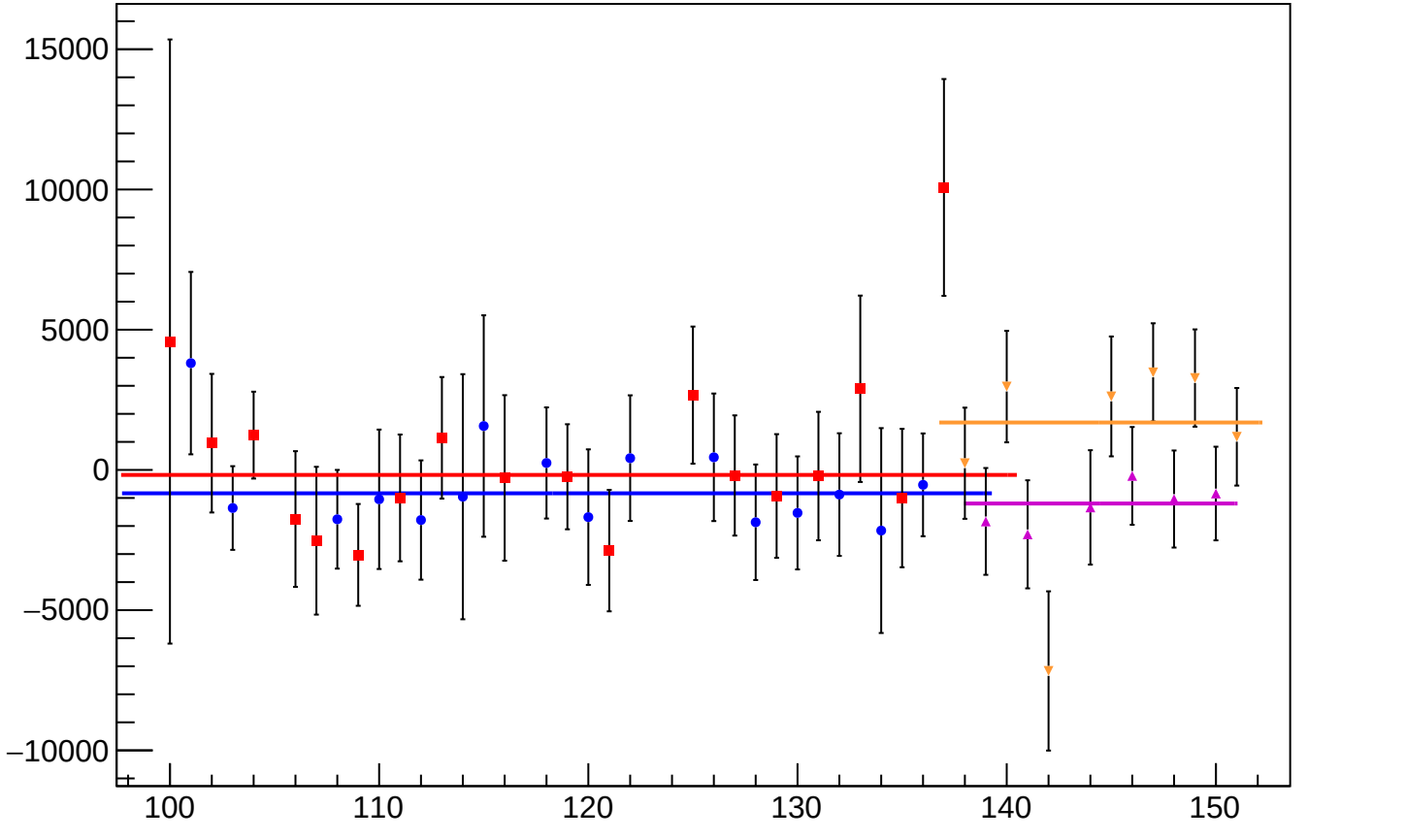
Left: 0.000+/-0.000 χ^2/NDF: 924730.5/12

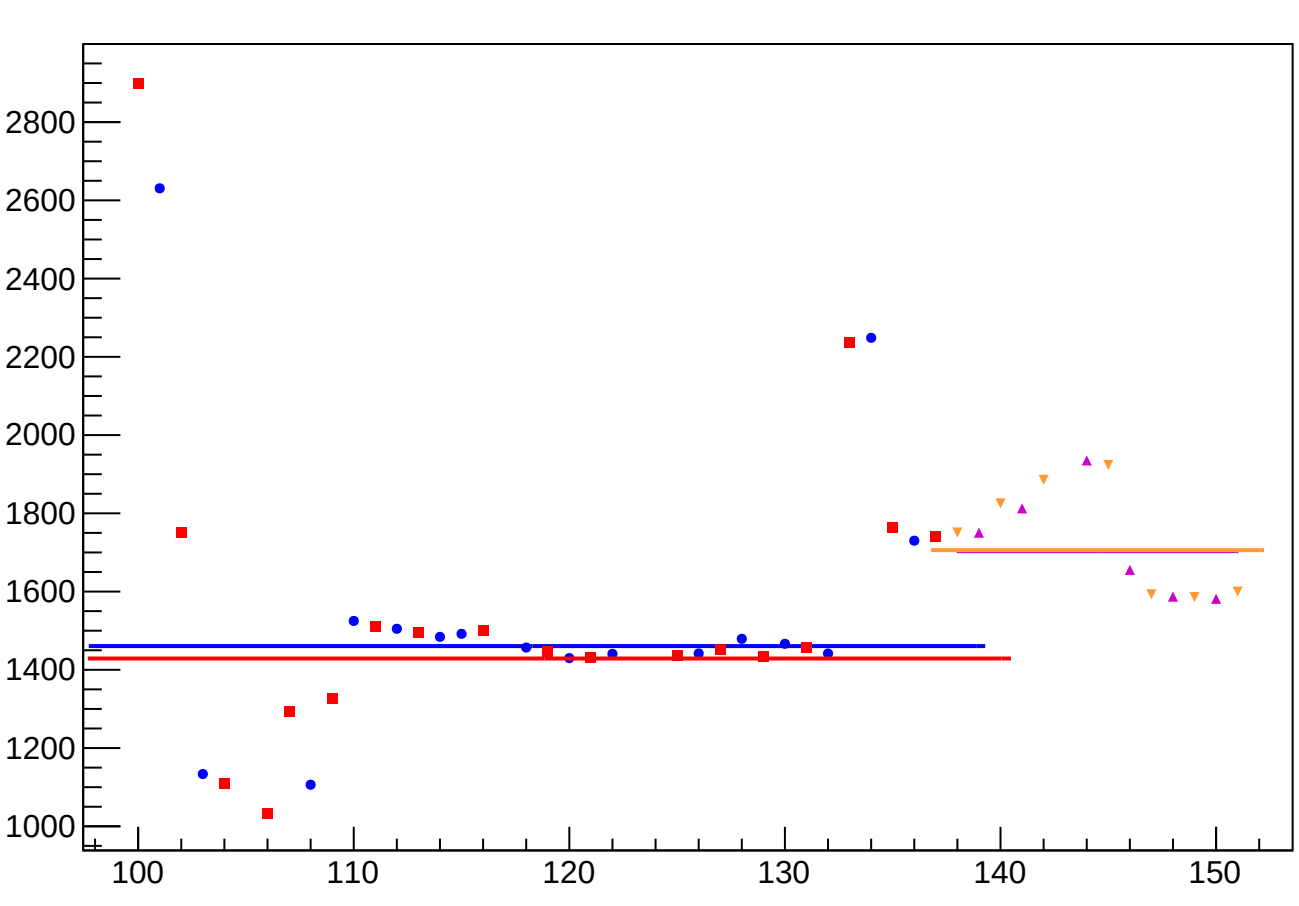
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:2700746.7/21

Out: 0.000+/-0.000 χ^2/NDF:2950589.0/24

All: 0.000+/-0.000 χ^2/NDF: 5708017.0/46


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1691.325+/-737.398 χ²/NDF:12.8/6
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1197.788+/-743.869 χ²/NDF:0.8/5
Left: 259.389+/-523.692 χ²/NDF: 21.3/12
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -963.706+/-444.745 χ²/NDF:5.6/21
Out: 486.613+/-439.750 χ²/NDF:33.4/24
All: -230.355+/-312.701 χ²/NDF: 44.4/46



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1705.924+/-0.521 χ^2/NDF:62333.5/6

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1703.291+/-0.526 χ^2/NDF:54703.9/5

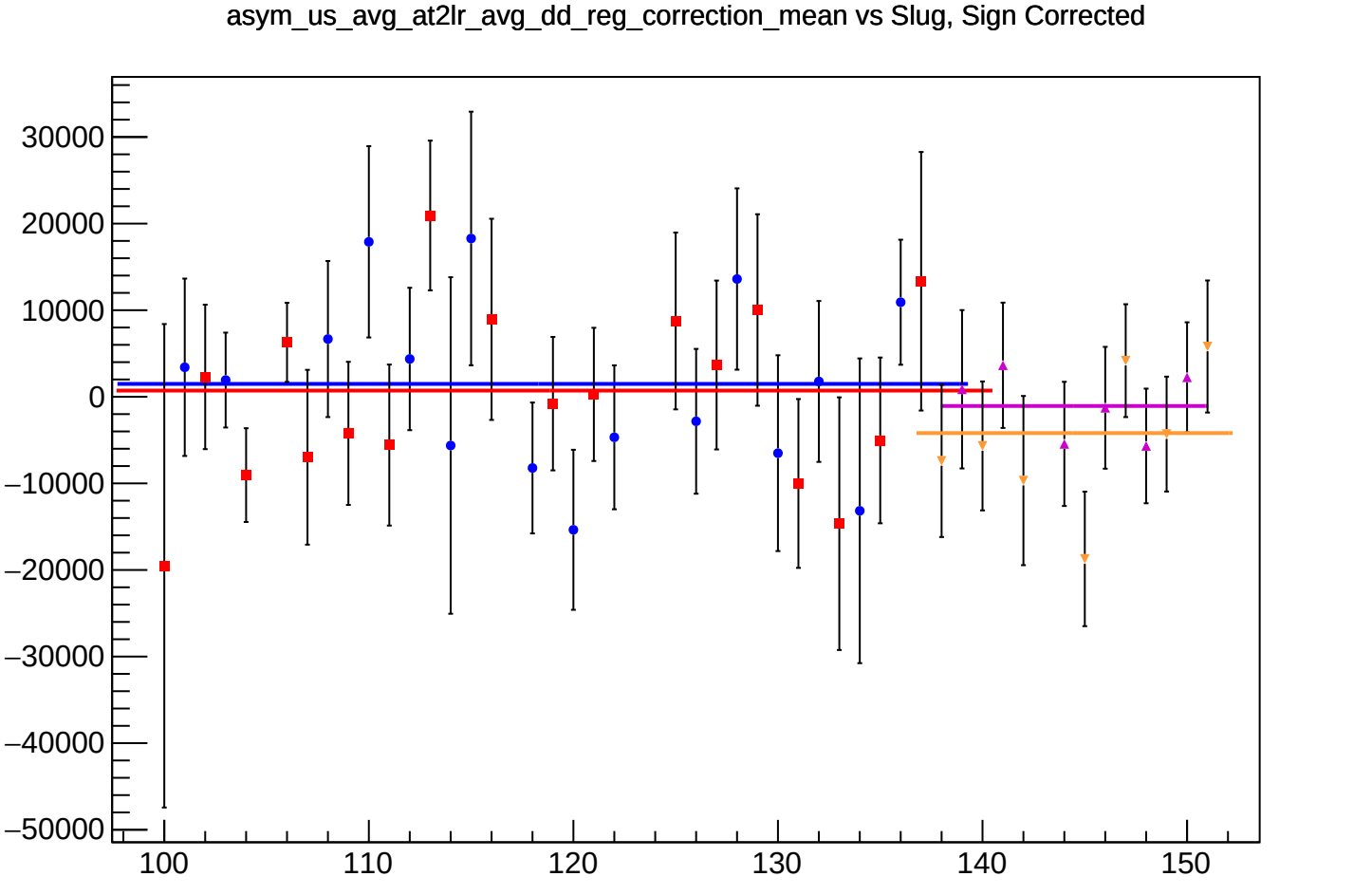
Left: 1704.619+/-0.370 χ^2/NDF: 117050.0/12

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1547.387+/-0.314 χ^2/NDF:767165.7/21

Out: 1526.508+/-0.309 χ^2/NDF:656395.3/24

All: 1536.779+/-0.221 χ^2/NDF: 1425800.4/46



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -4193.379+/-2869.037 χ^2/NDF:7.4/6

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -1060.468+/-2907.660 χ^2/NDF:1.6/5

Left: -2647.869+/-2042.234 χ^2/NDF: 9.5/12

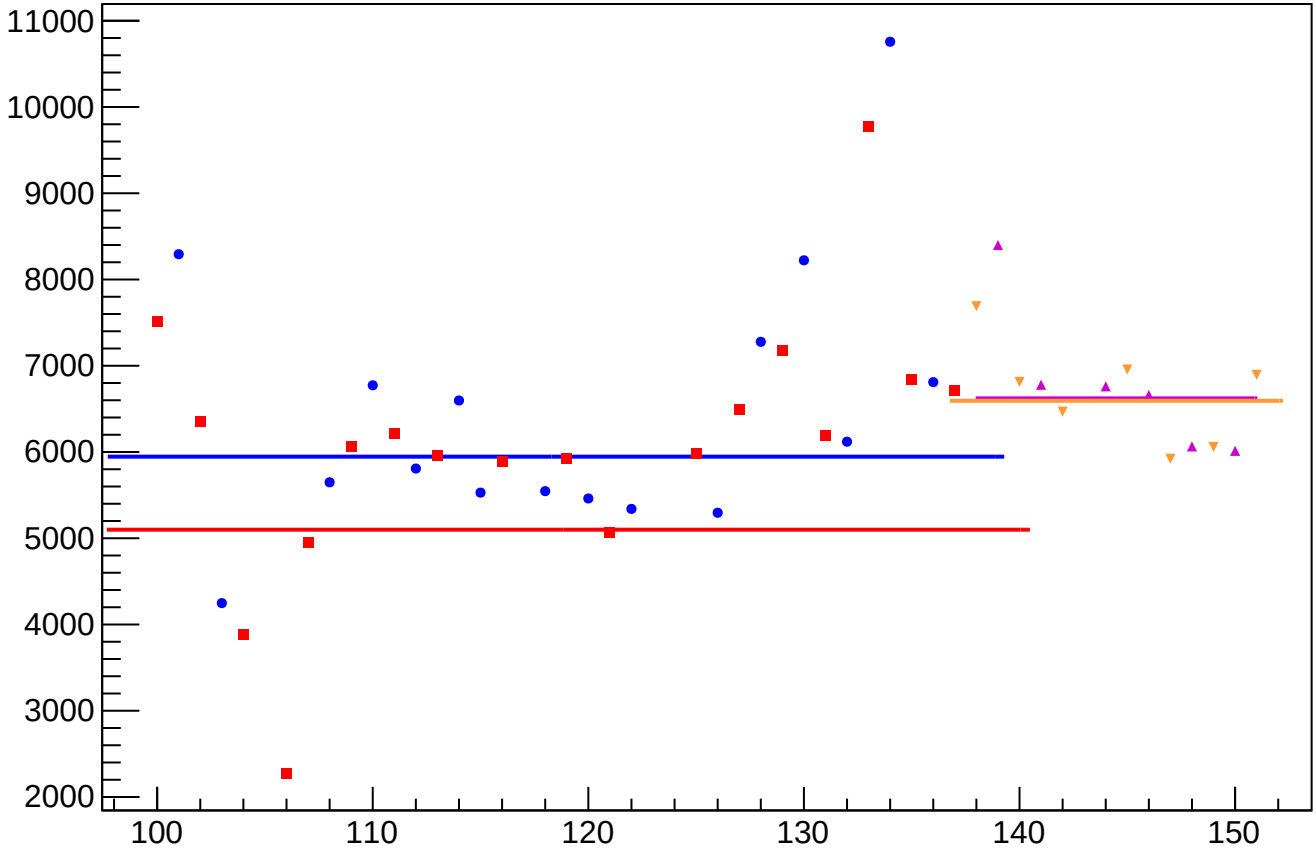
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 523.628+/-1788.330 χ^2/NDF:16.3/21

Out: -899.188+/-1647.061 χ^2/NDF:26.8/24

All: -246.190+/-1211.516 χ^2/NDF: 43.4/46

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: 6594.030+/-2.029 χ^2/NDF:74911.5/6

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 6622.019+/-2.056 χ^2/NDF:109883.2/5

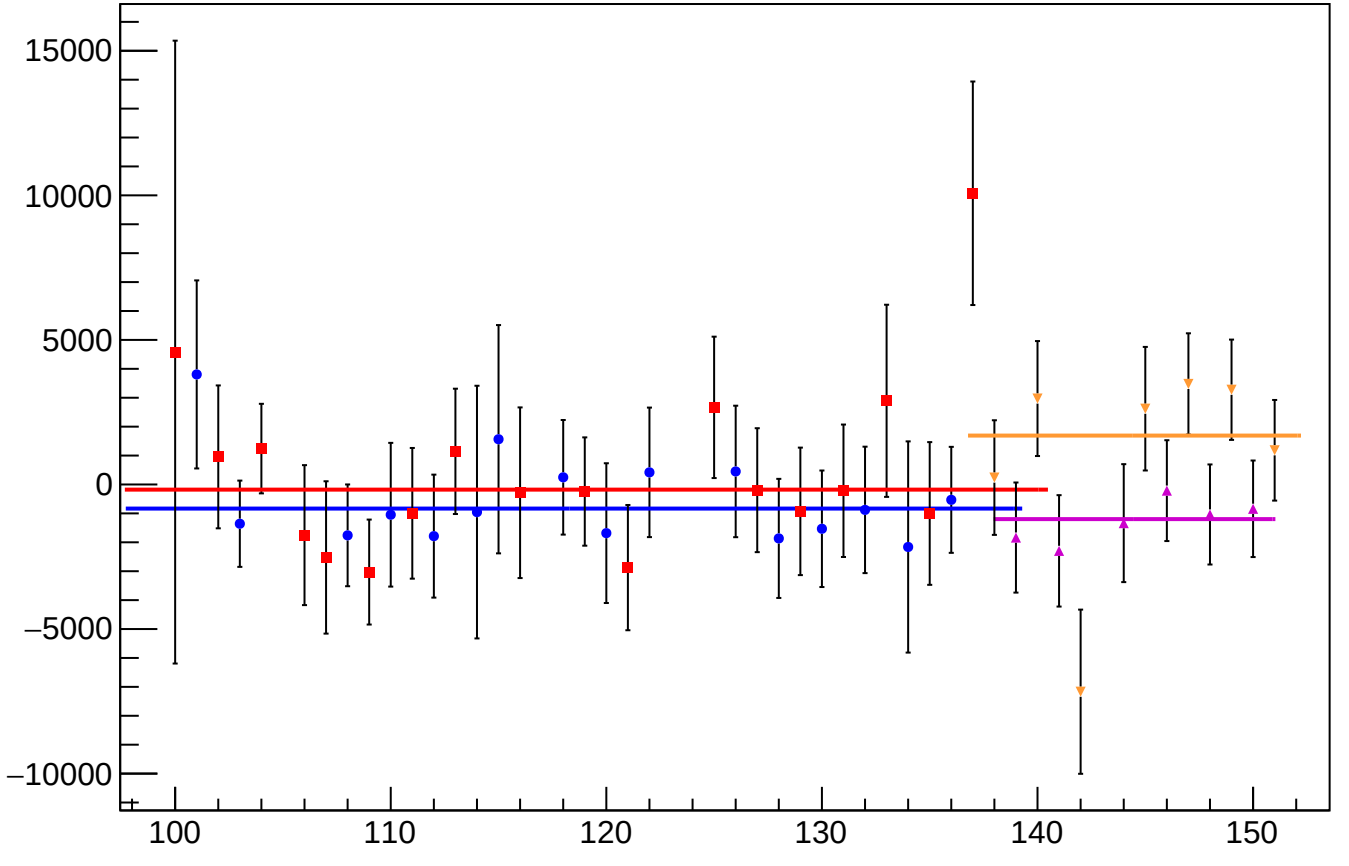
Left: 6607.837+/-1.444 χ^2/NDF: 184888.6/12

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6201.771+/-1.265 χ^2/NDF:818212.6/21

Out: 5591.967+/-1.165 χ^2/NDF:1919188.4/24

All: 5871.835+/-0.857 χ^2/NDF: 2863222.2/46



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1691.349+/-737.398 χ^2/NDF:12.8/6

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1197.855+/-743.869 χ^2/NDF:0.8/5

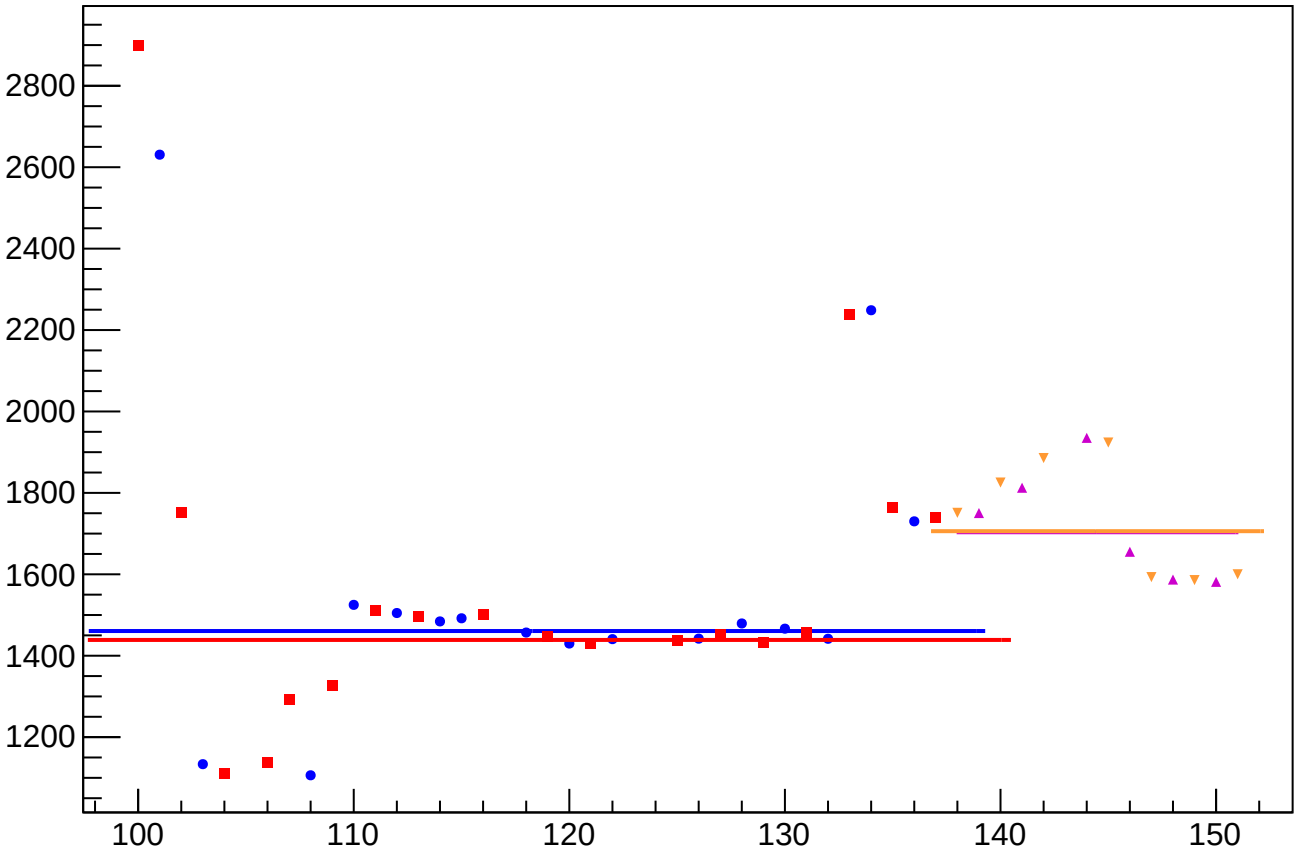
Left: 259.368+/-523.692 χ^2/NDF: 21.3/12

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -963.770+/-444.745 χ^2/NDF:5.6/21

Out: 486.725+/-439.750 χ^2/NDF:33.4/24

All: -230.331+/-312.701 χ^2/NDF: 44.4/46



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1705.924+/-0.521 χ^2/NDF:62333.5/6

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1703.291+/-0.526 χ^2/NDF:54703.9/5

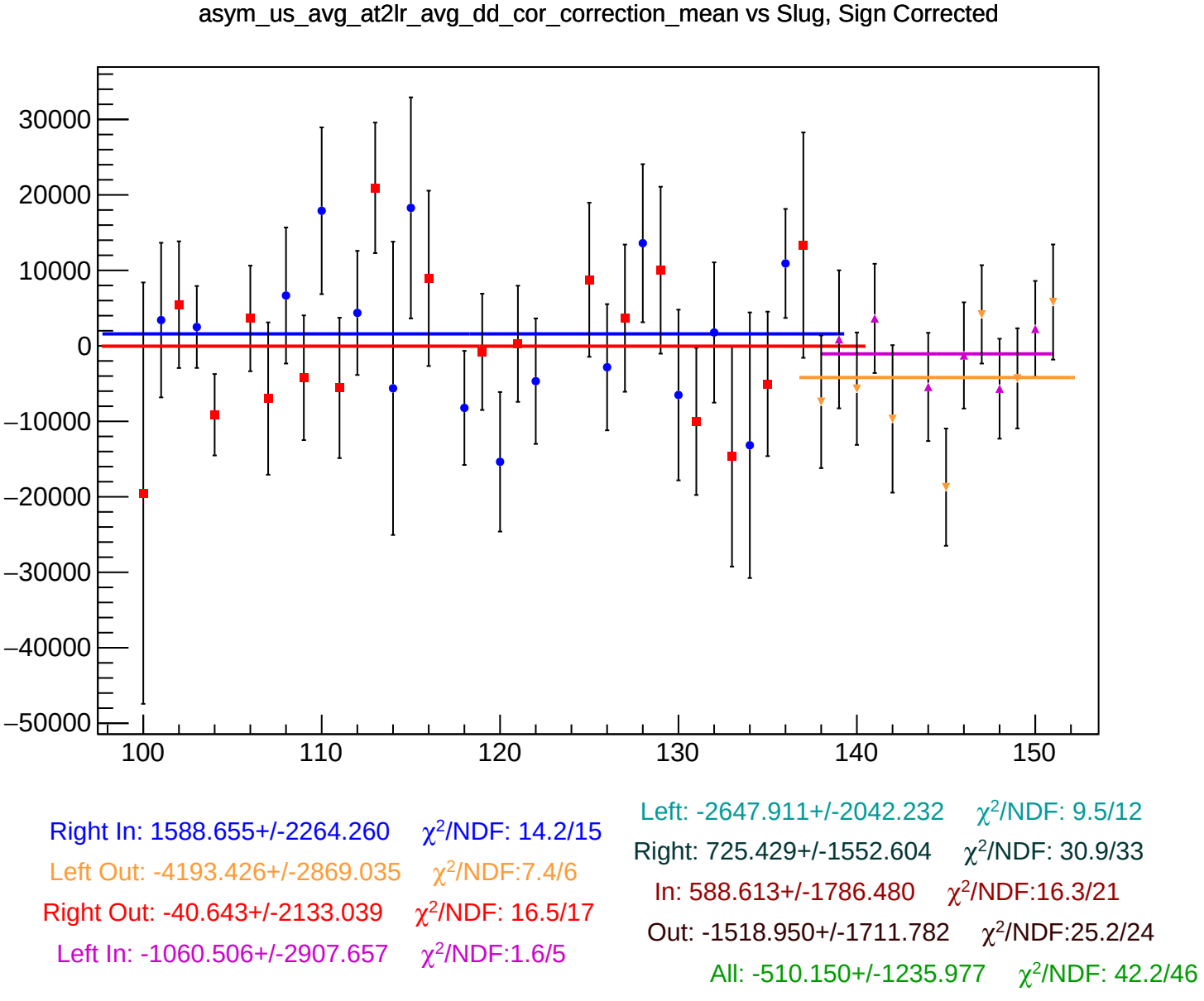
Left: 1704.619+/-0.370 χ^2/NDF: 117050.0/12

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

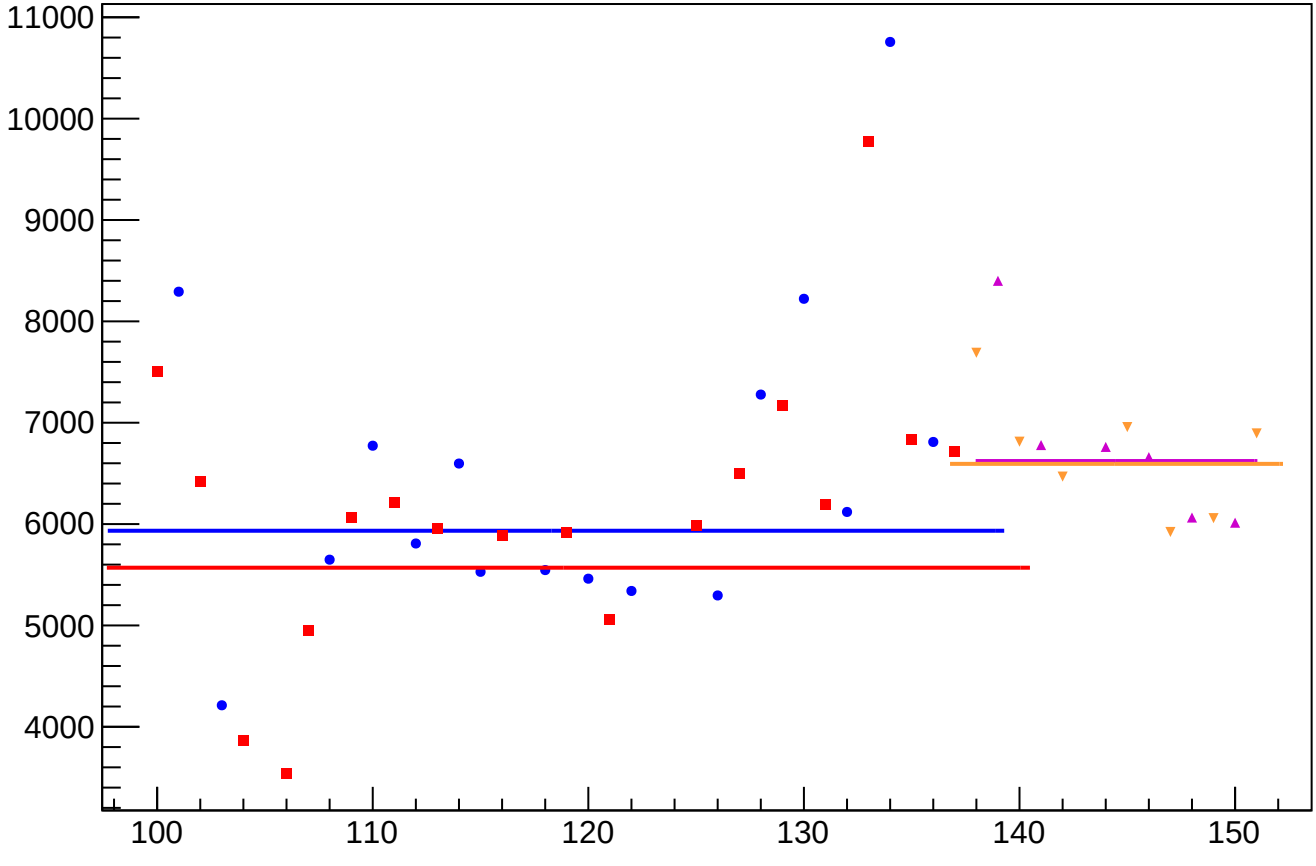
In: 1547.387+/-0.314 χ^2/NDF:767166.1/21

Out: 1533.496+/-0.310 χ^2/NDF:605145.1/24

All: 1540.353+/-0.221 χ^2/NDF: 1373299.1/46


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -4193.426+/-2869.035 χ²/NDF:7.4/6
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -1060.506+/-2907.657 χ²/NDF:1.6/5
Left: -2647.911+/-2042.232 χ²/NDF: 9.5/12
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 588.613+/-1786.480 χ²/NDF:16.3/21
Out: -1518.950+/-1711.782 χ²/NDF:25.2/24
All: -510.150+/-1235.977 χ²/NDF: 42.2/46

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: 6594.025+/-2.029 χ^2/NDF:74911.2/6

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6622.013+/-2.056 χ^2/NDF:109883.3/5

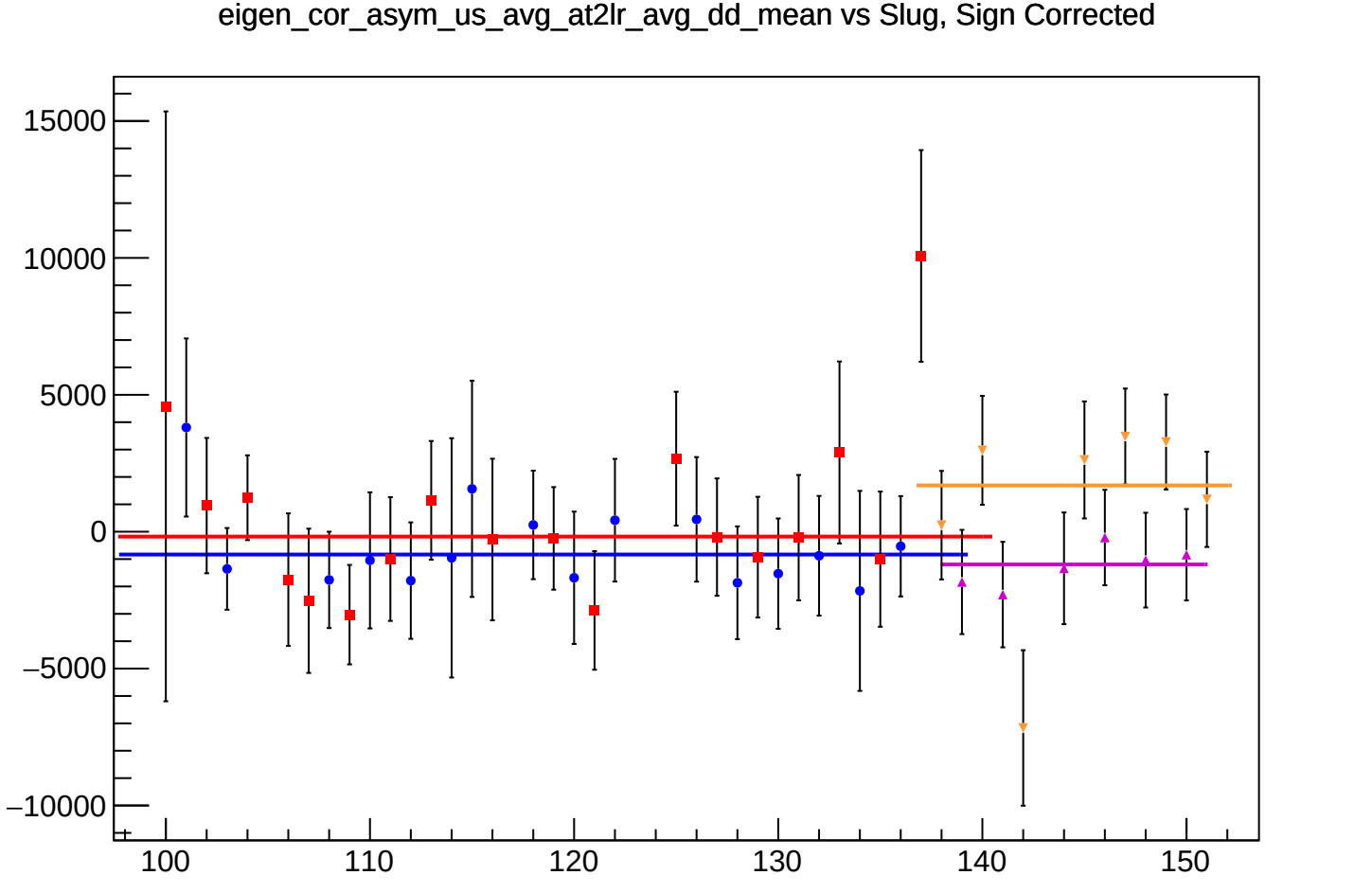
Left: 6607.832+/-1.444 χ^2/NDF: 184888.4/12

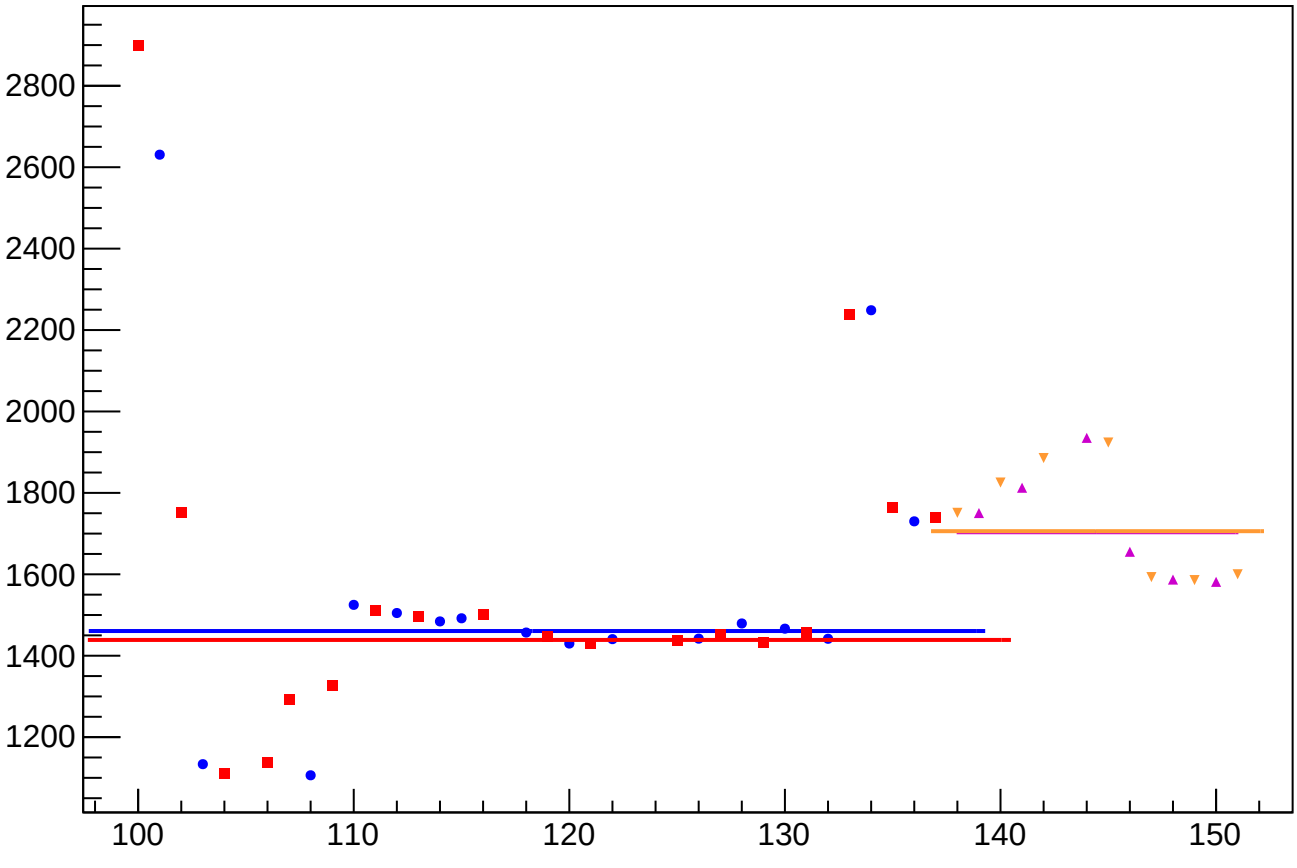
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6193.851+/-1.263 χ^2/NDF:832631.5/21

Out: 5934.278+/-1.210 χ^2/NDF:963175.0/24

All: 6058.524+/-0.874 χ^2/NDF: 1817819.2/46


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1691.349+/-737.398 χ²/NDF:12.8/6
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1197.855+/-743.869 χ²/NDF:0.8/5
Left: 259.368+/-523.692 χ²/NDF: 21.3/12
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -963.770+/-444.745 χ²/NDF:5.6/21
Out: 486.725+/-439.750 χ²/NDF:33.4/24
All: -230.331+/-312.701 χ²/NDF: 44.4/46



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1705.924+/-0.521 χ^2/NDF:62333.5/6

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1703.291+/-0.526 χ^2/NDF:54703.9/5

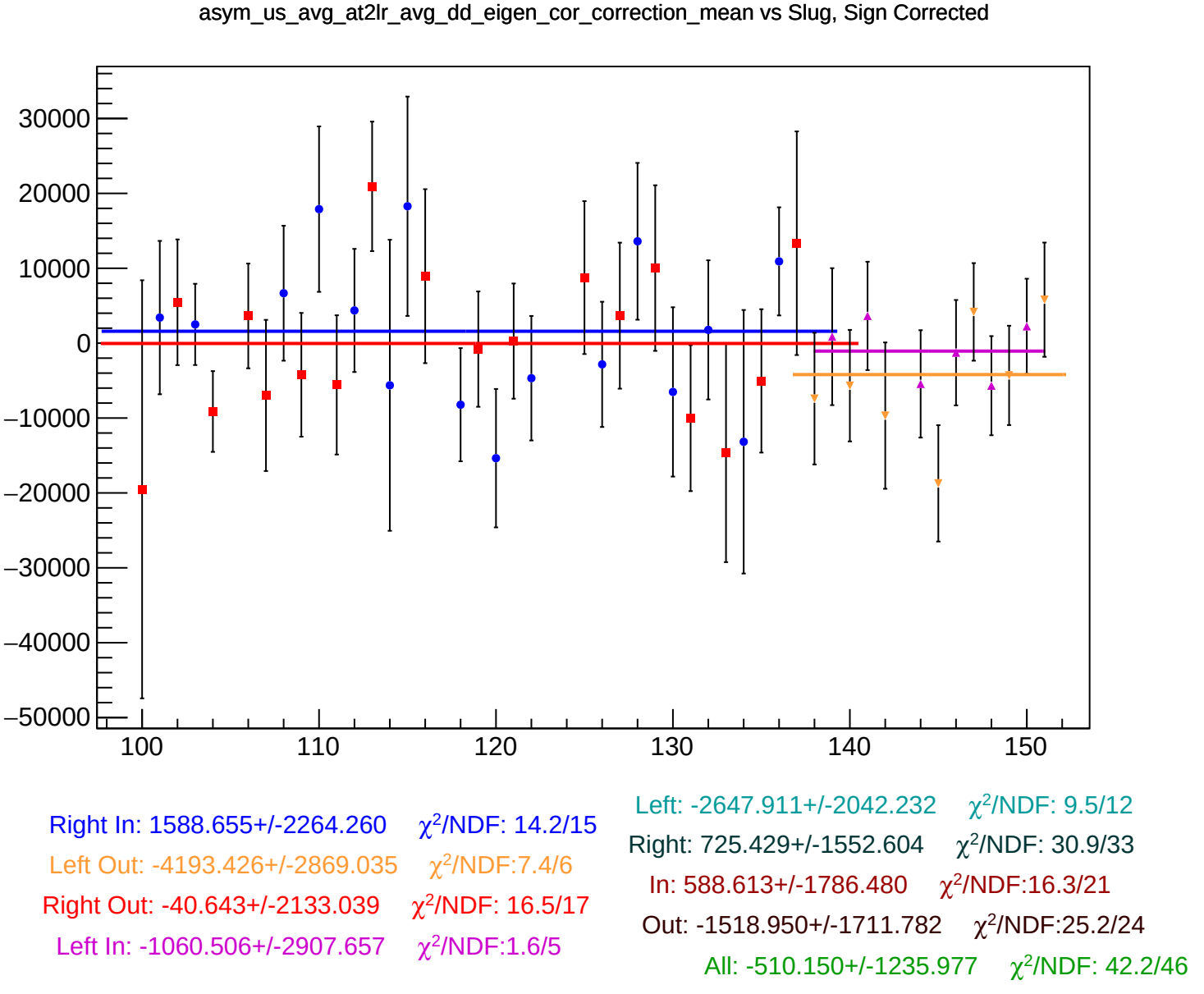
Left: 1704.619+/-0.370 χ^2/NDF: 117050.0/12

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

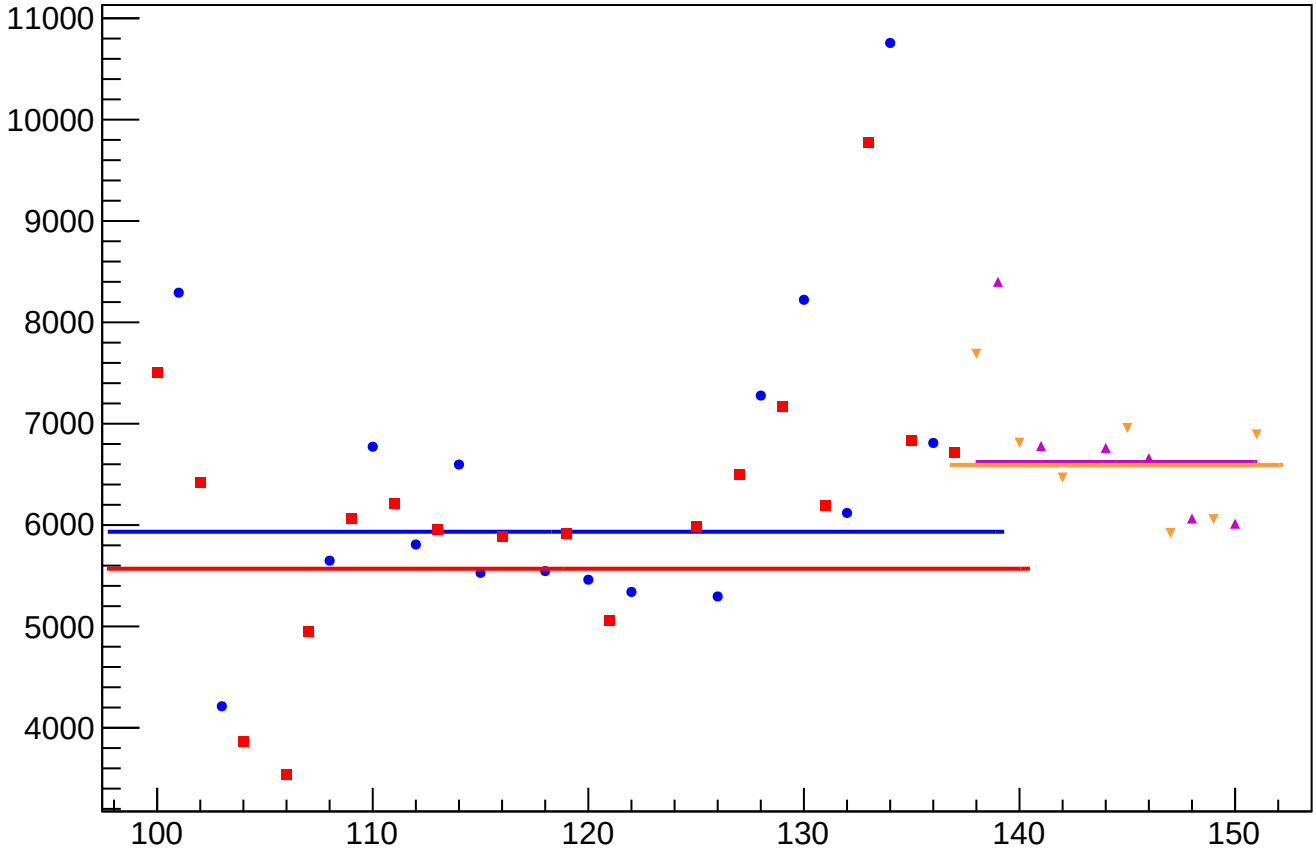
In: 1547.387+/-0.314 χ^2/NDF:767166.1/21

Out: 1533.496+/-0.310 χ^2/NDF:605145.1/24

All: 1540.353+/-0.221 χ^2/NDF: 1373299.1/46


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -4193.426+/-2869.035 χ²/NDF:7.4/6
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -1060.506+/-2907.657 χ²/NDF:1.6/5
Left: -2647.911+/-2042.232 χ²/NDF: 9.5/12
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 588.613+/-1786.480 χ²/NDF:16.3/21
Out: -1518.950+/-1711.782 χ²/NDF:25.2/24
All: -510.150+/-1235.977 χ²/NDF: 42.2/46

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: 6594.025+/-2.029 χ^2/NDF:74911.2/6

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6622.013+/-2.056 χ^2/NDF:109883.3/5

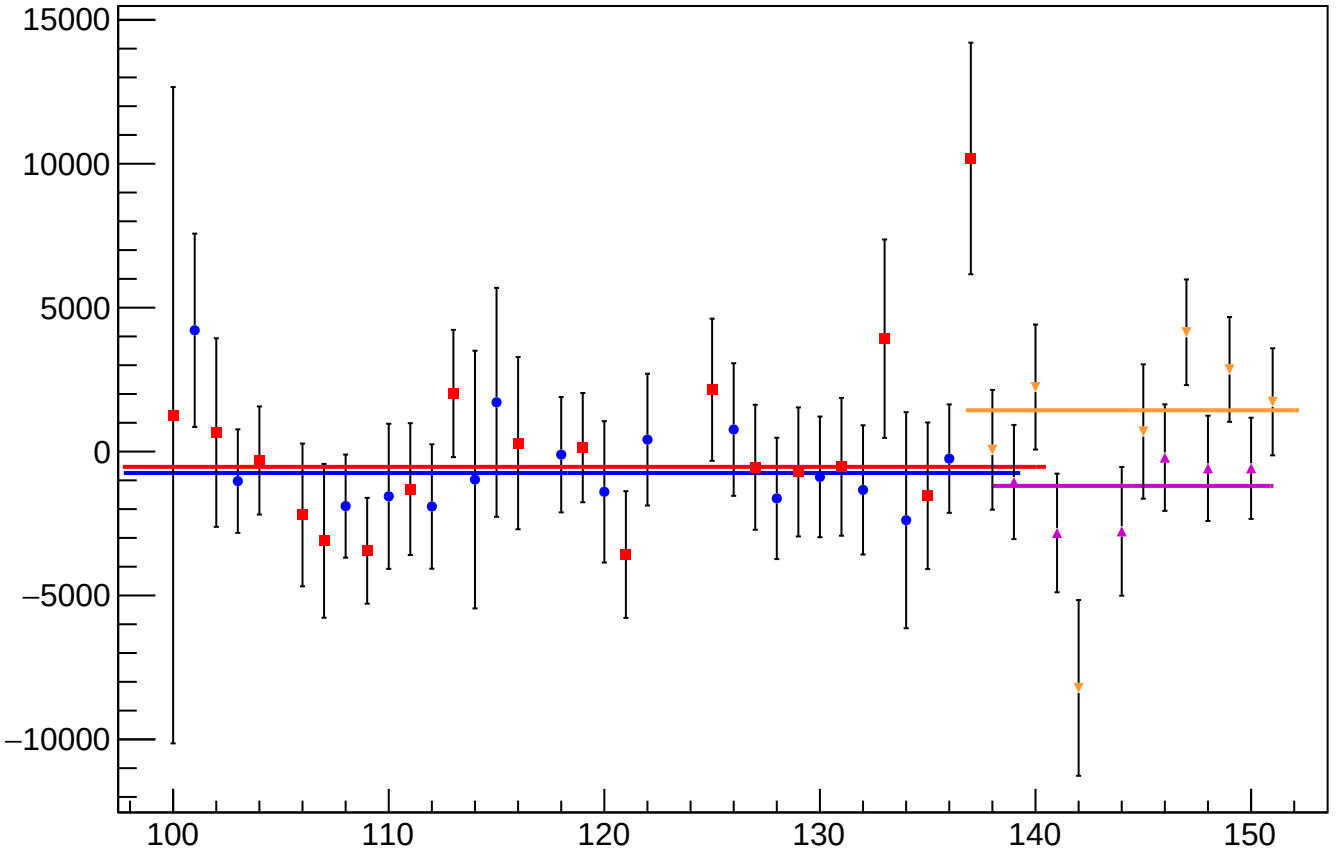
Left: 6607.832+/-1.444 χ^2/NDF: 184888.4/12

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6193.851+/-1.263 χ^2/NDF:832631.5/21

Out: 5934.278+/-1.210 χ^2/NDF:963175.0/24

All: 6058.524+/-0.874 χ^2/NDF: 1817819.2/46



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1434.589+/-785.384 χ^2/NDF:13.5/6

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1192.576+/-789.327 χ^2/NDF:1.6/5

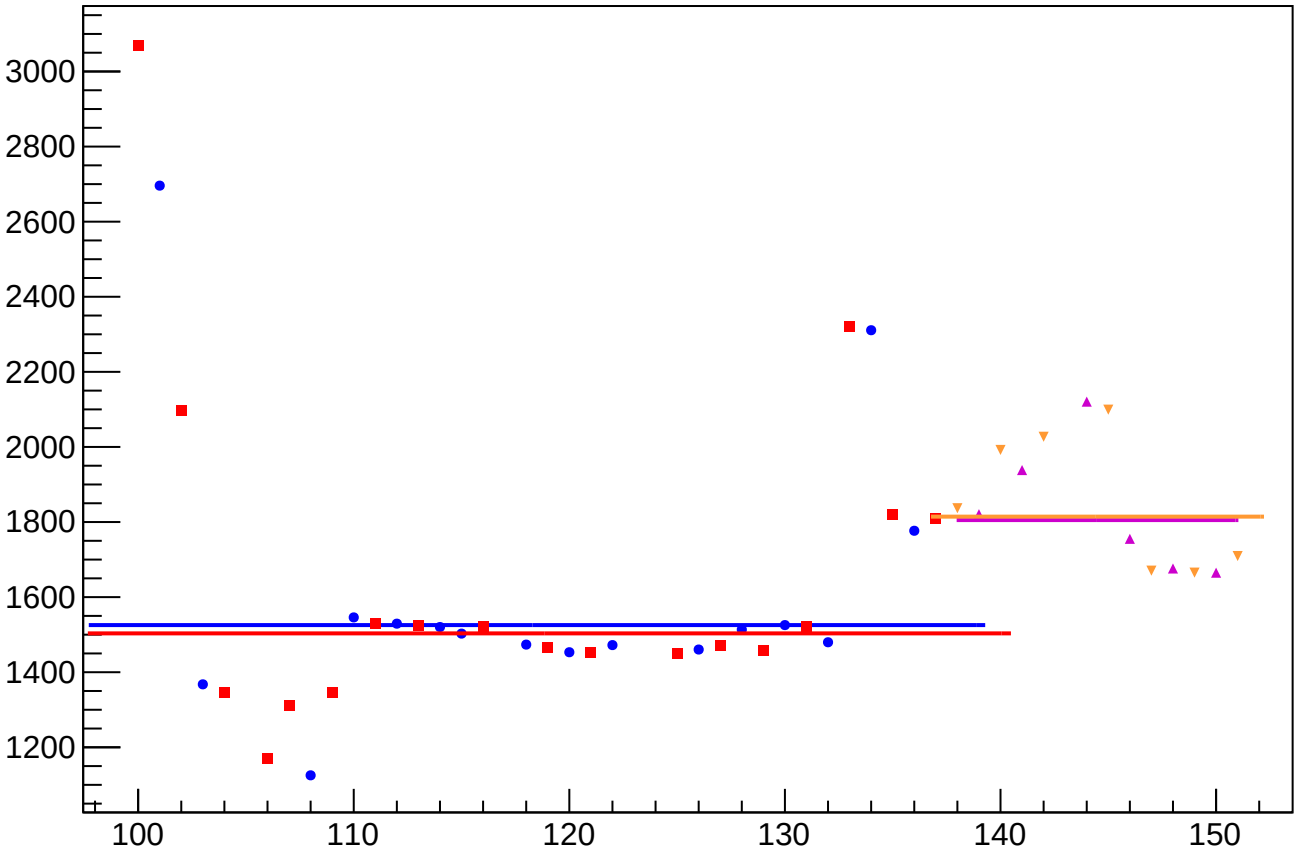
Left: 127.585+/-556.739 χ^2/NDF: 20.7/12

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -901.847+/-466.376 χ^2/NDF:6.6/21

Out: 154.904+/-464.010 χ^2/NDF:35.3/24

All: -370.784+/-328.938 χ^2/NDF: 44.5/46



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1814.393+/-0.555 χ^2/NDF:85182.7/6

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1805.207+/-0.558 χ^2/NDF:72426.1/5

Left: 1809.823+/-0.394 χ^2/NDF: 157745.0/12

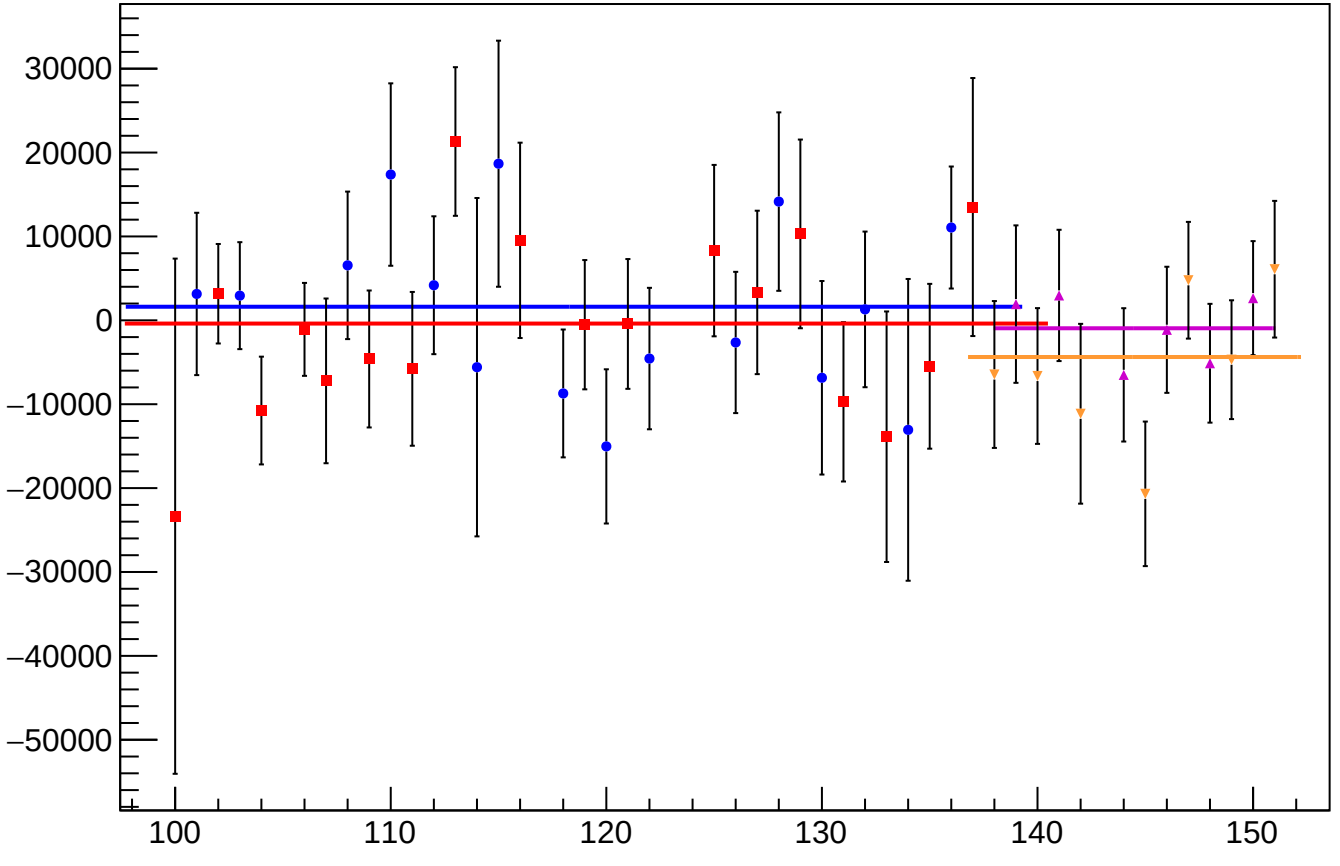
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1623.171+/-0.330 χ^2/NDF:724180.1/21

Out: 1611.934+/-0.328 χ^2/NDF:627820.0/24

All: 1617.523+/-0.233 χ^2/NDF: 1352583.6/46

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -4373.500+/-3069.114 χ^2/NDF:7.5/6

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -946.557+/-3118.799 χ^2/NDF:1.5/5

Left: -2687.543+/-2187.546 χ^2/NDF: 9.6/12

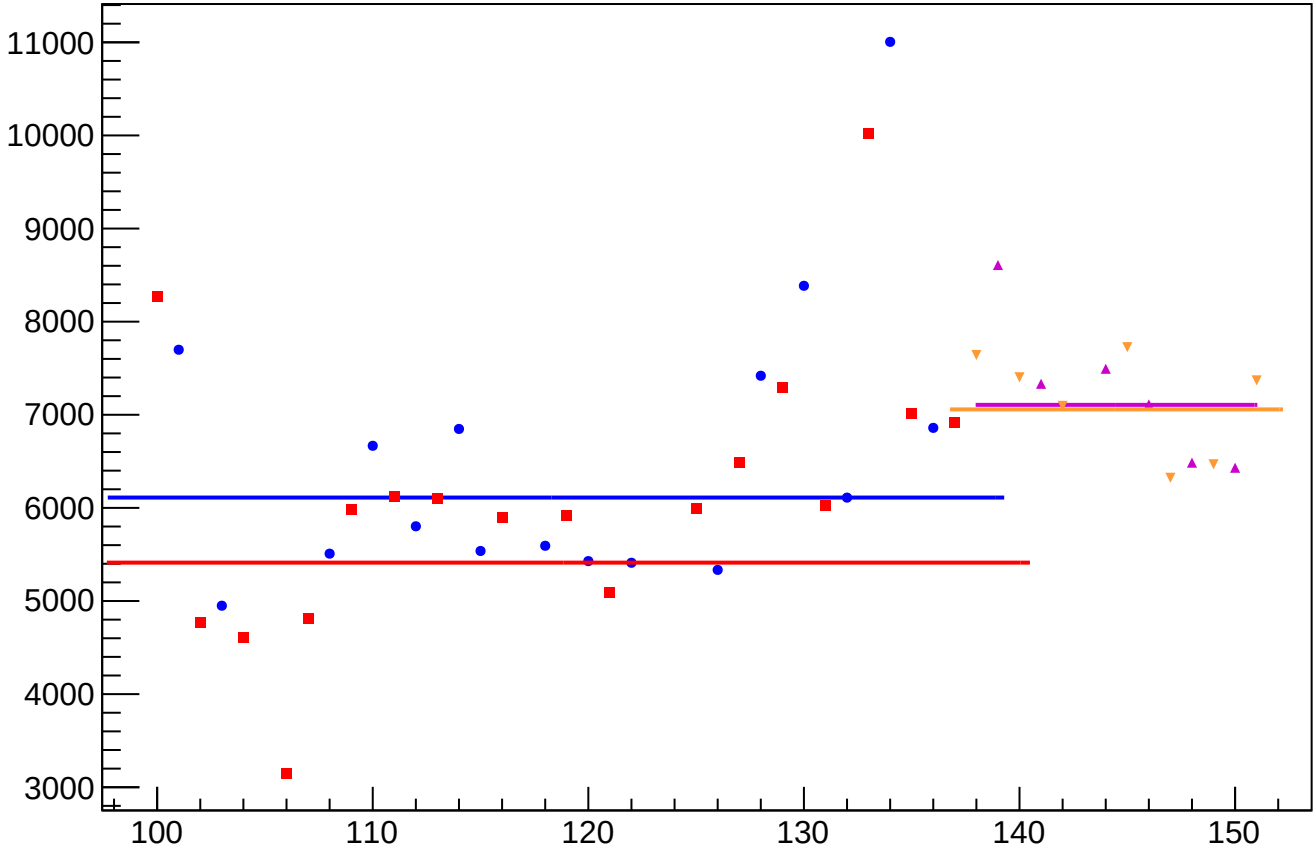
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 705.734+/-1861.474 χ^2/NDF:16.1/21

Out: -1625.154+/-1710.930 χ^2/NDF:24.7/24

All: -557.761+/-1259.675 χ^2/NDF: 41.7/46

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: 7057.743+/-2.170 χ^2/NDF:63661.4/6

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7106.497+/-2.205 χ^2/NDF:92763.1/5

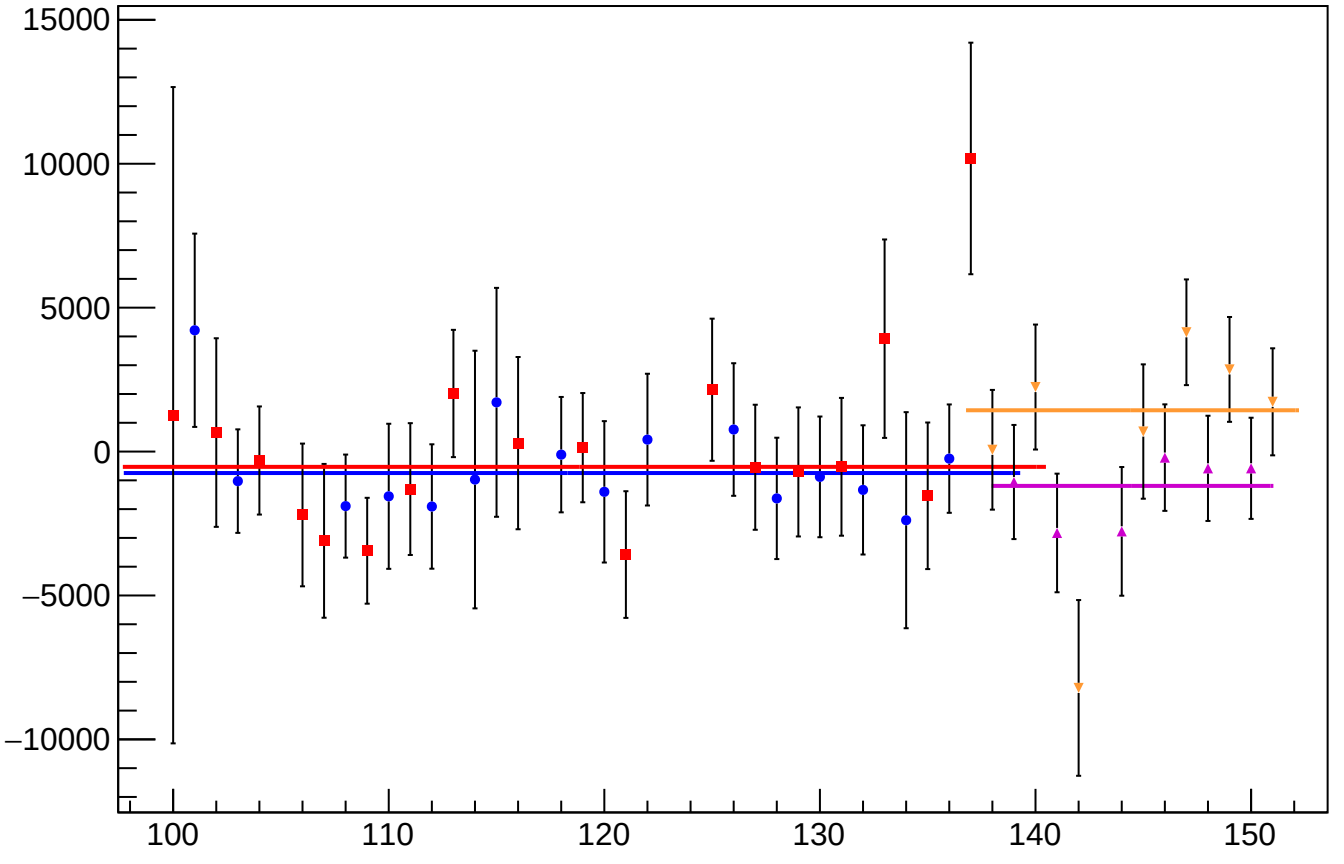
Left: 7081.729+/-1.547 χ^2/NDF: 156672.8/12

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6465.657+/-1.316 χ^2/NDF:695593.0/21

Out: 5923.637+/-1.210 χ^2/NDF:1281421.4/24

All: 6171.846+/-0.891 χ^2/NDF: 2068931.8/46



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1434.581+/-785.385 χ^2/NDF:13.5/6

Right Out: -531.302+/-575.115 χ^2/NDF: 17.7/17

Left In: -1192.573+/-789.328 χ^2/NDF:1.6/5

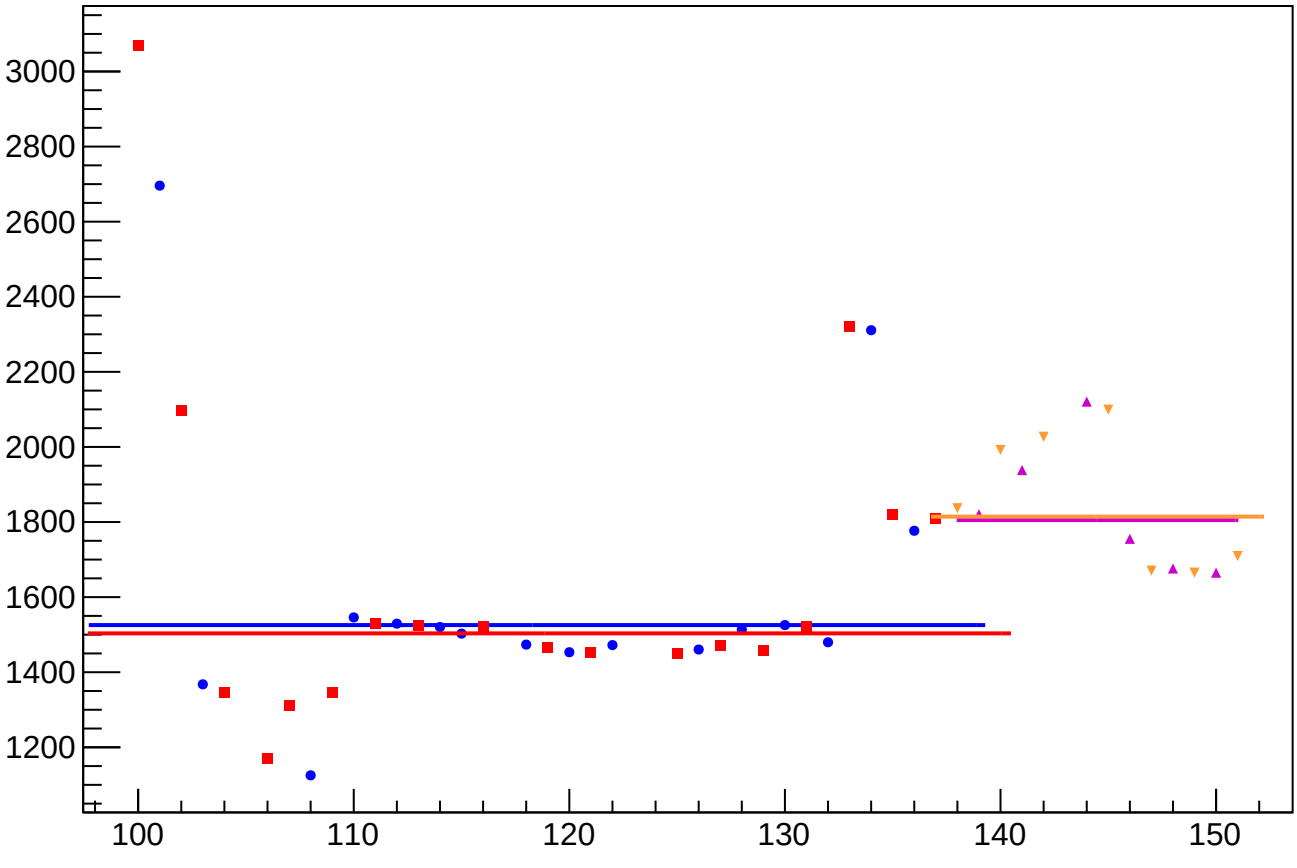
Left: 127.583+/-556.740 χ^2/NDF: 20.7/12

Right: -638.060+/-407.709 χ^2/NDF: 22.6/33

In: -901.848+/-466.376 χ^2/NDF:6.6/21

Out: 154.894+/-464.010 χ^2/NDF:35.3/24

All: -370.790+/-328.938 χ^2/NDF: 44.5/46



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1814.395+/-0.555 χ^2/NDF:85183.7/6

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1805.209+/-0.558 χ^2/NDF:72426.3/5

Left: 1809.825+/-0.394 χ^2/NDF: 157746.1/12

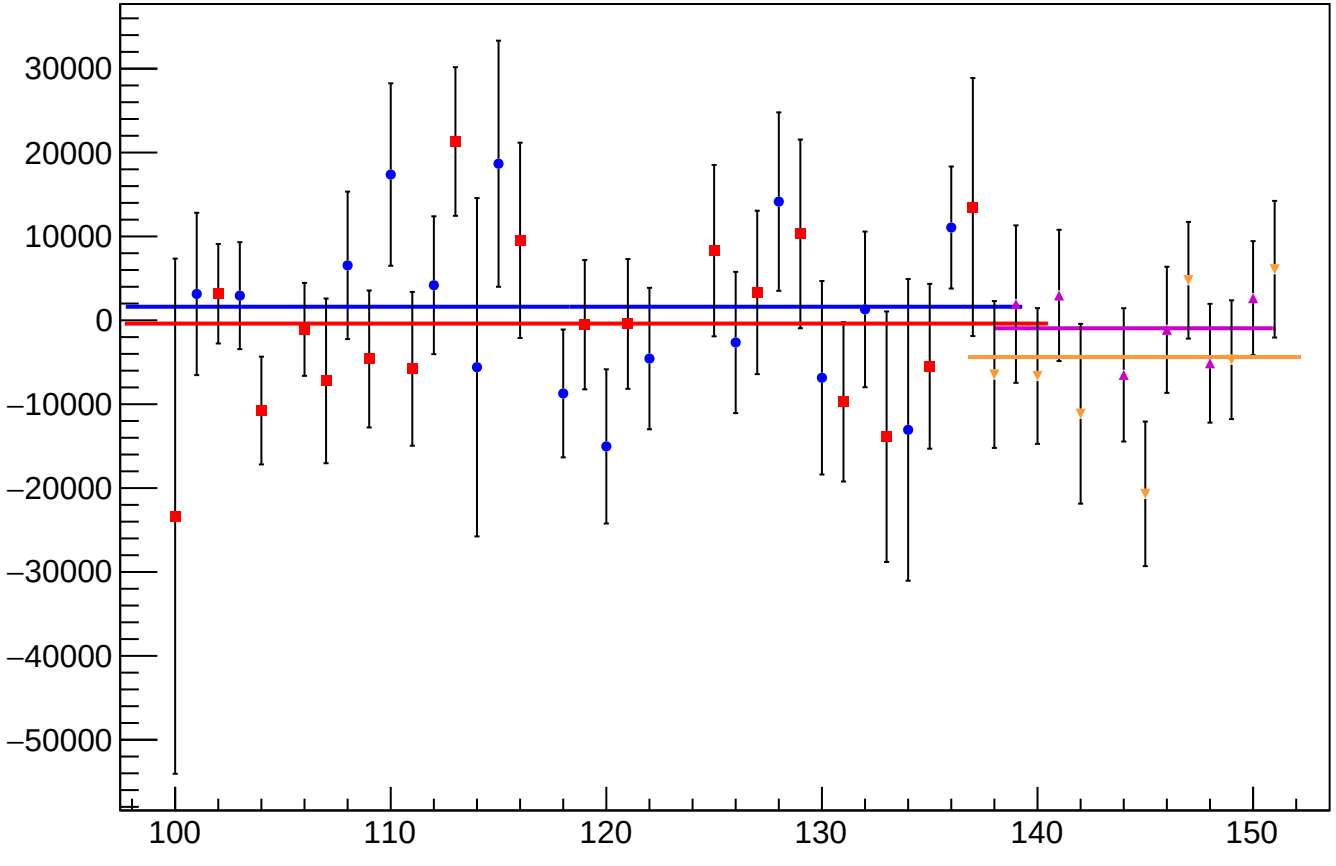
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1623.171+/-0.330 χ^2/NDF:724182.3/21

Out: 1611.935+/-0.328 χ^2/NDF:627823.1/24

All: 1617.524+/-0.233 χ^2/NDF: 1352588.9/46

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -4373.504+/-3069.117 χ^2/NDF:7.5/6

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -946.553+/-3118.803 χ^2/NDF:1.5/5

Left: -2687.543+/-2187.549 χ^2/NDF: 9.6/12

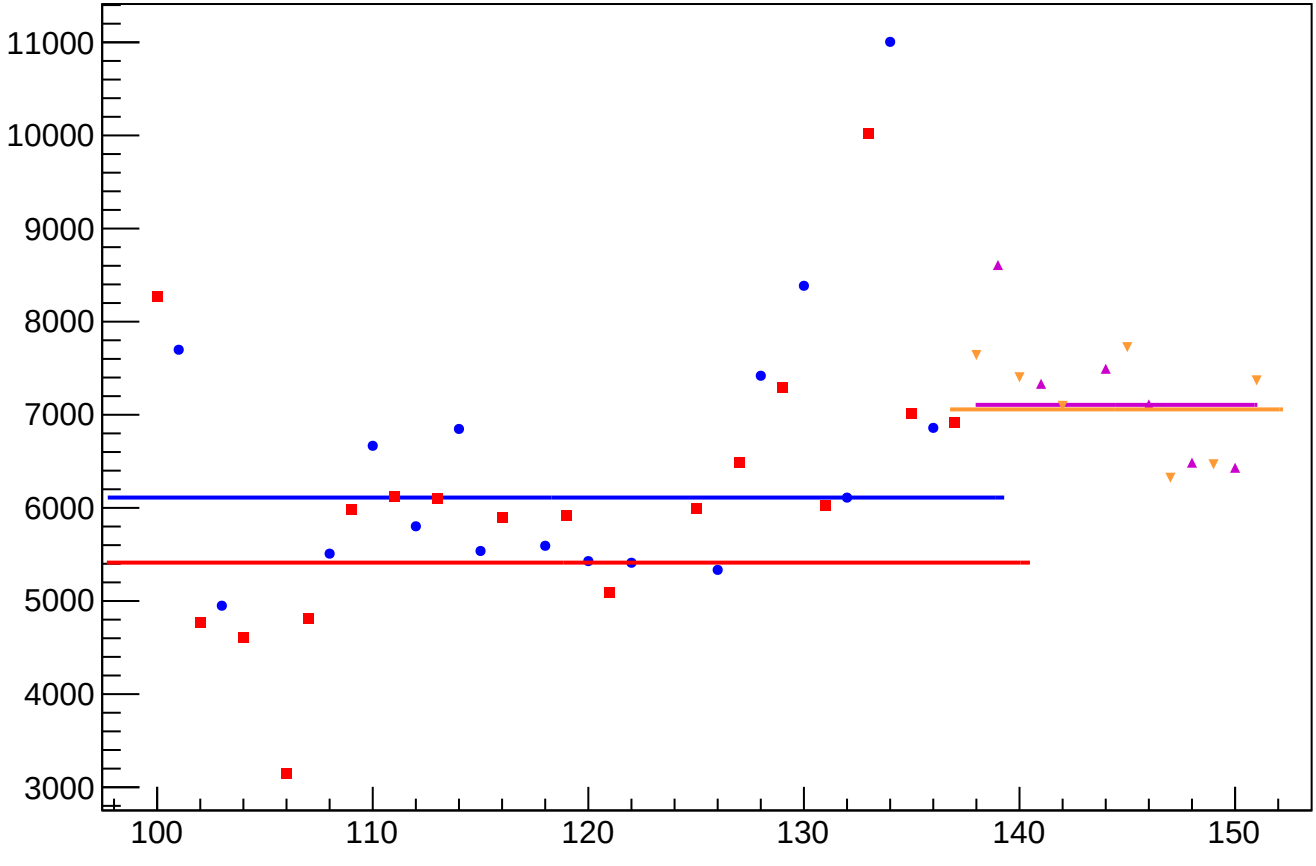
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 705.727+/-1861.472 χ^2/NDF:16.1/21

Out: -1625.154+/-1710.928 χ^2/NDF:24.7/24

All: -557.765+/-1259.673 χ^2/NDF: 41.7/46

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: 7057.752+/-2.170 χ^2/NDF:63662.3/6

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7106.506+/-2.205 χ^2/NDF:92764.1/5

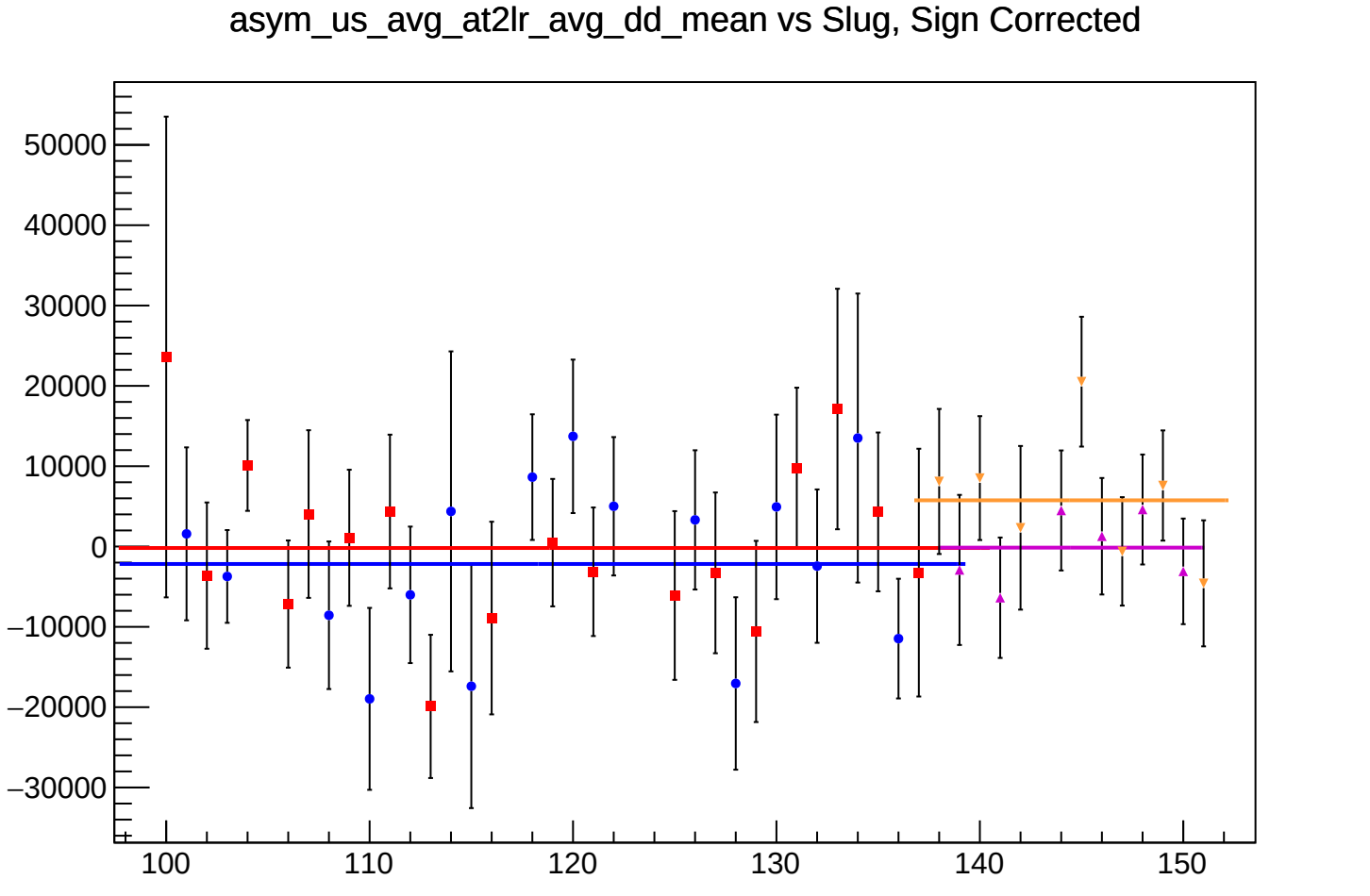
Left: 7081.738+/-1.547 χ^2/NDF: 156674.7/12

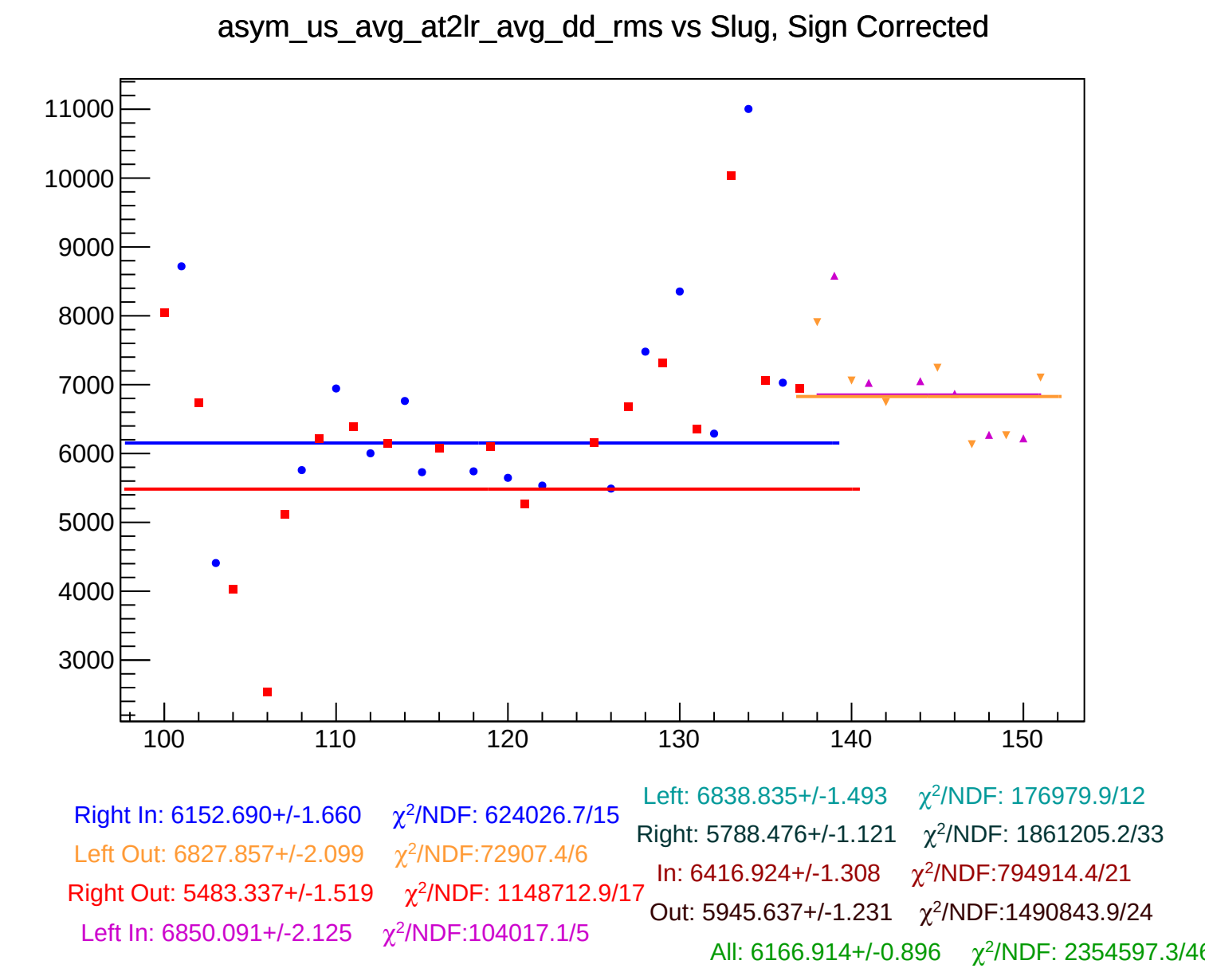
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

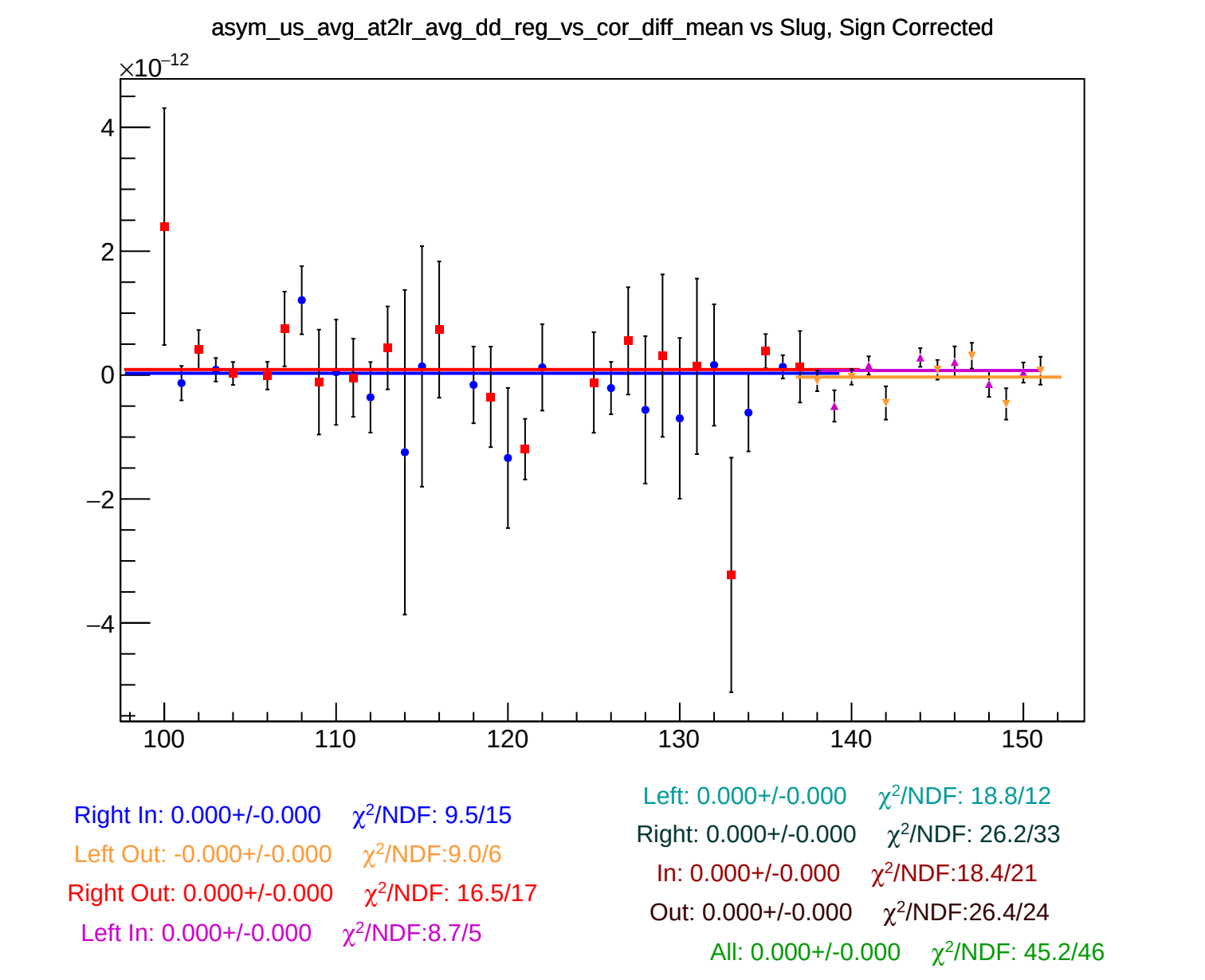
In: 6465.649+/-1.316 χ^2/NDF:695602.0/21

Out: 5923.630+/-1.210 χ^2/NDF:1281431.8/24

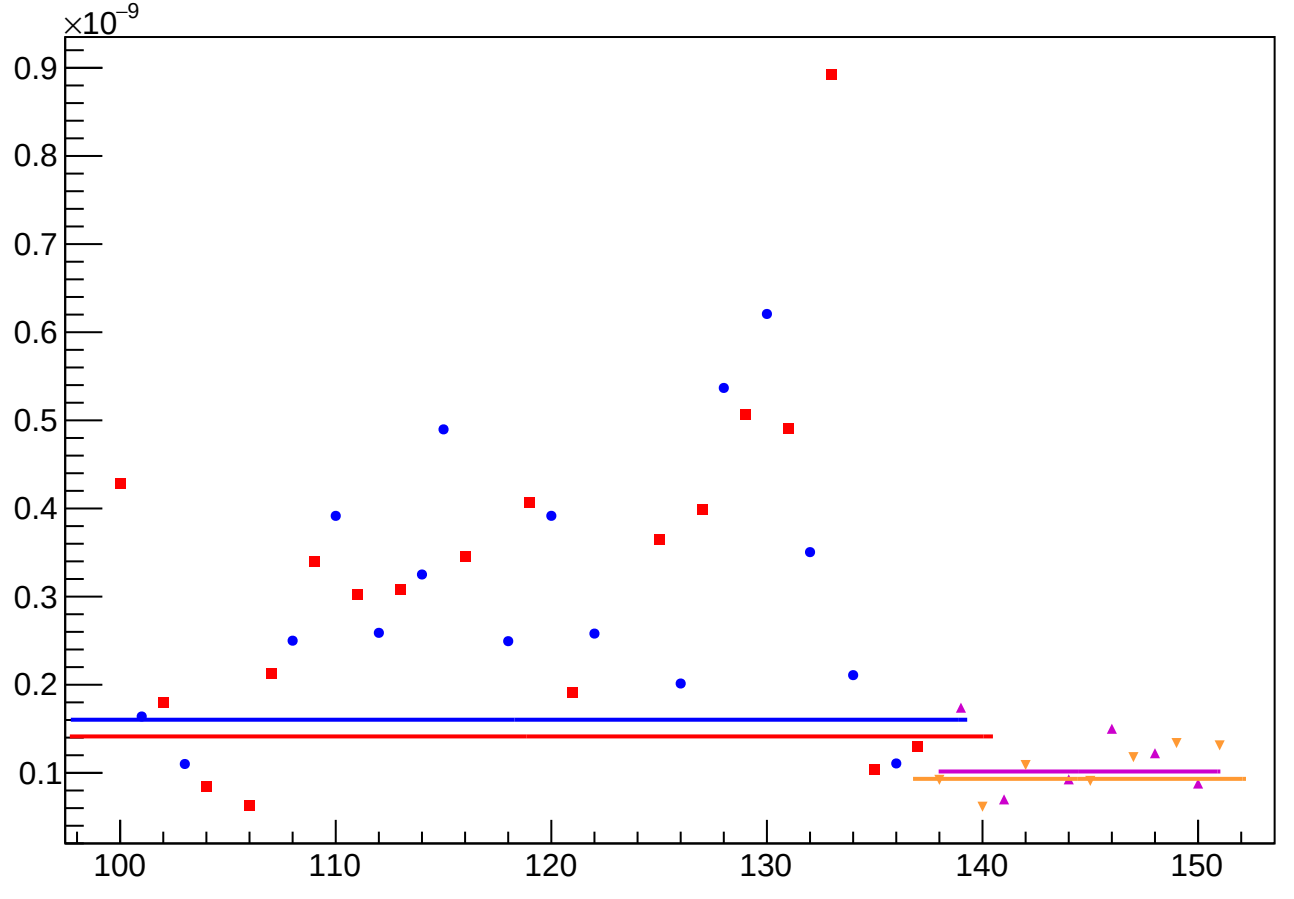
All: 6171.839+/-0.891 χ^2/NDF: 2068951.6/46


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 5752.970+/-2968.454 χ²/NDF:6.3/6
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -139.807+/-3005.841 χ²/NDF:1.9/5
Left: 2843.456+/-2112.108 χ²/NDF: 10.2/12
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1403.299+/-1850.210 χ²/NDF:16.8/21
Out: 1956.714+/-1782.373 χ²/NDF:23.6/24
All: 339.432+/-1283.640 χ²/NDF: 42.0/46


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
150
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 6827.857+/-2.099 χ²/NDF:72907.4/6
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 6850.091+/-2.125 χ²/NDF:104017.1/5
Left: 6838.835+/-1.493 χ²/NDF: 176979.9/12
Right: 5788.476+/-1.121 χ²/NDF: 1861205.2/33
In: 6416.924+/-1.308 χ²/NDF:794914.4/21
Out: 5945.637+/-1.231 χ²/NDF:1490843.9/24
All: 6166.914+/-0.896 χ²/NDF: 2354597.3/46


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:9.0/6
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/17
Left In: 0.000+/-0.000 χ²/NDF:8.7/5
Left: 0.000+/-0.000 χ²/NDF: 18.8/12
Right: 0.000+/-0.000 χ²/NDF: 26.2/33
In: 0.000+/-0.000 χ²/NDF:18.4/21
Out: 0.000+/-0.000 χ²/NDF:26.4/24
All: 0.000+/-0.000 χ²/NDF: 45.2/46

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:271827.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:368525.0/5

Left: 0.000+/-0.000 χ^2/NDF: 654012.5/12

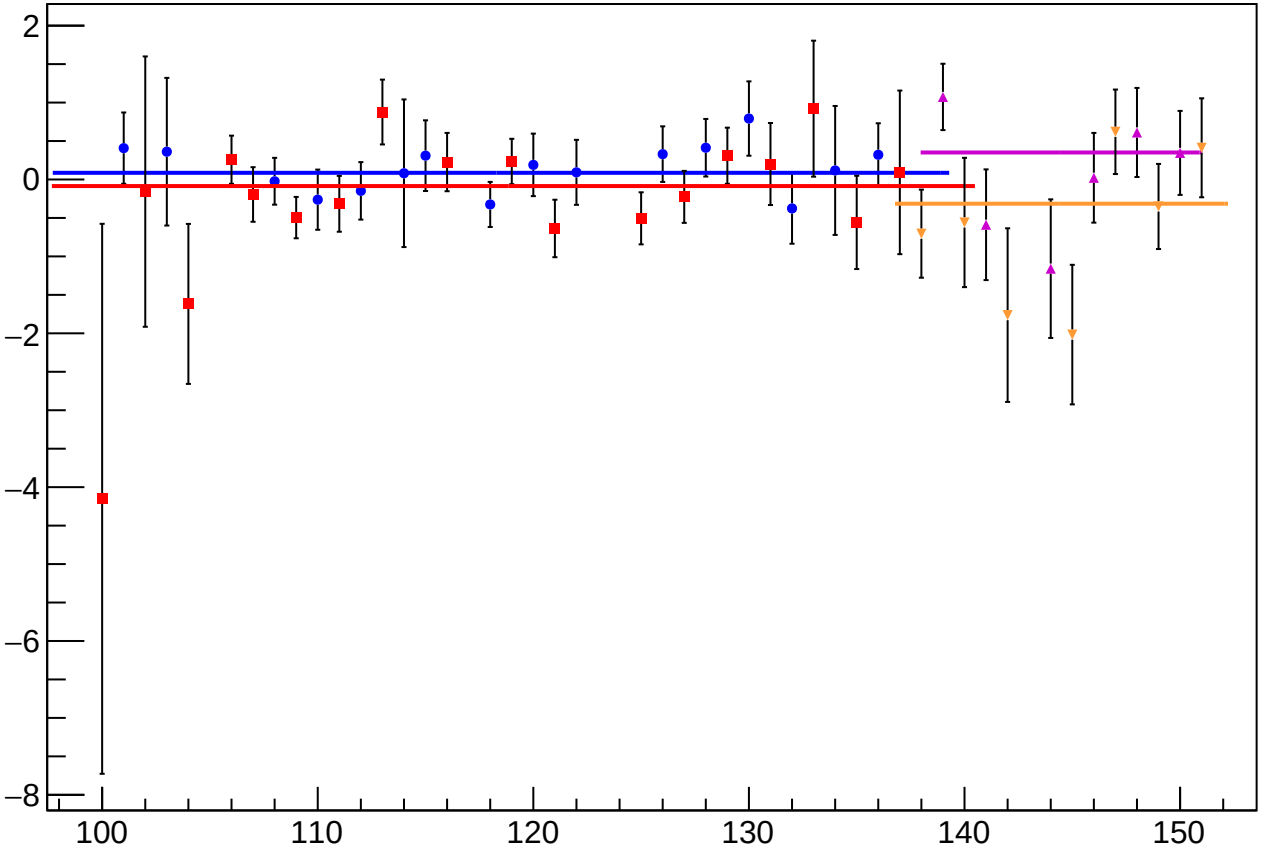
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2122410.5/21

Out: 0.000+/-0.000 χ^2/NDF:2742083.0/24

All: 0.000+/-0.000 χ^2/NDF: 4916264.9/46

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: -0.315+/-0.254 χ^2/NDF:9.9/6

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.351+/-0.237 χ^2/NDF:7.8/5

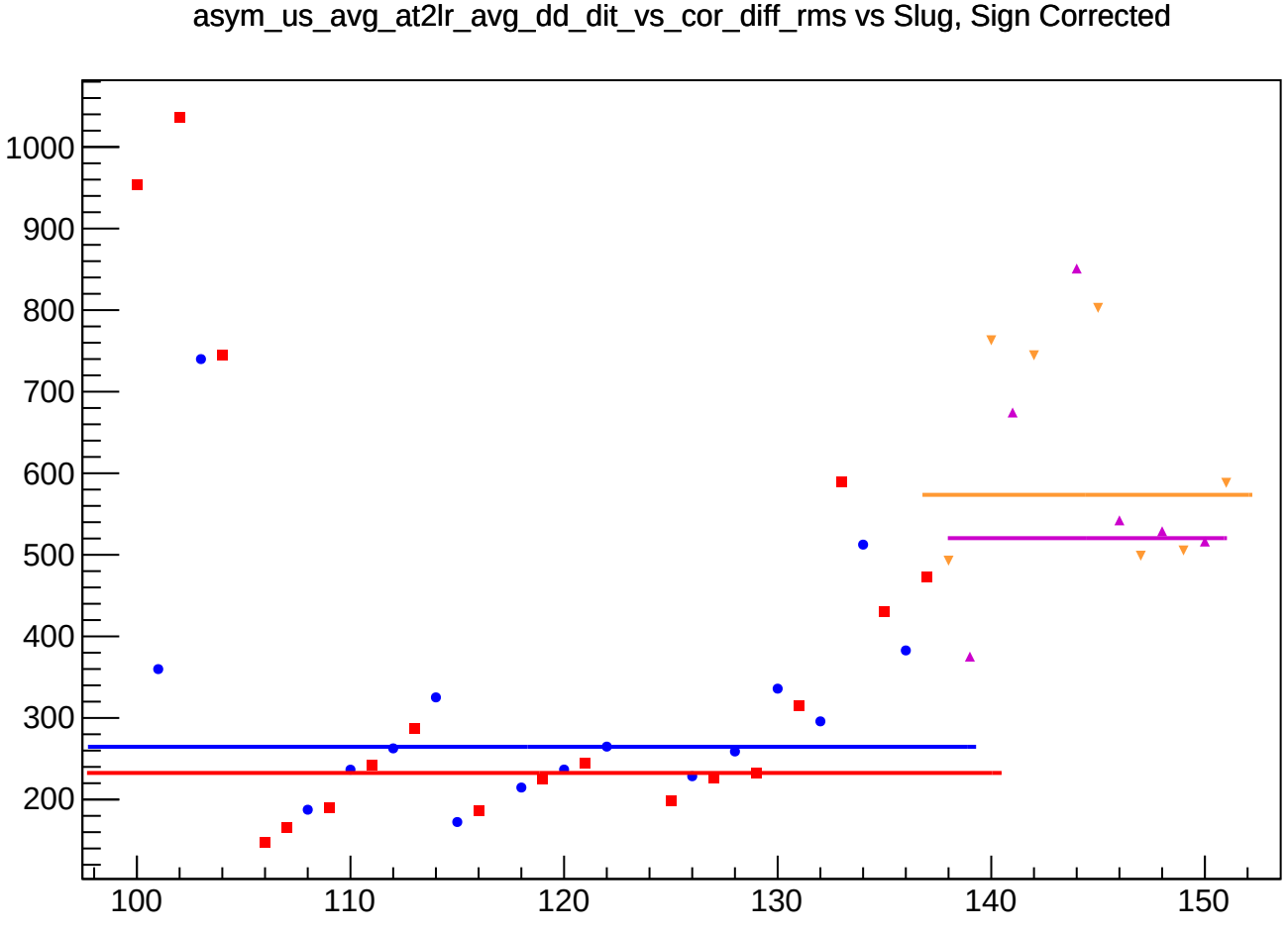
Left: 0.042+/-0.173 χ^2/NDF: 21.4/12

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.130+/-0.096 χ^2/NDF:17.7/21

Out: -0.115+/-0.091 χ^2/NDF:32.4/24

All: 0.001+/-0.066 χ^2/NDF: 53.6/46



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 573.548+/-0.180 χ^2/NDF:383255.6/6

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 520.427+/-0.168 χ^2/NDF:590879.2/5

Left: 545.106+/-0.123 χ^2/NDF: 1020850.5/12

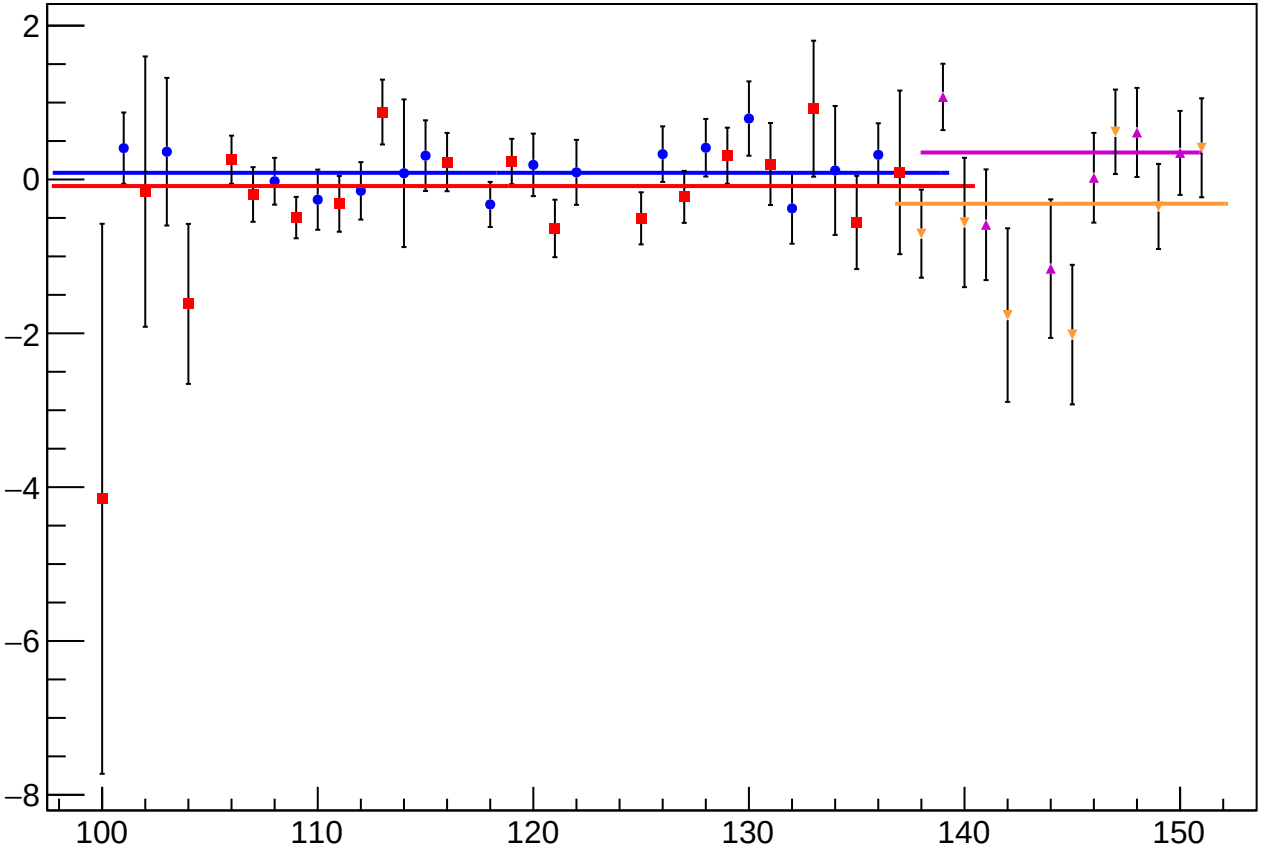
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 306.710+/-0.068 χ^2/NDF:3822633.3/21

Out: 276.157+/-0.064 χ^2/NDF:5551142.1/24

All: 290.593+/-0.047 χ^2/NDF: 9480520.6/46

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: -0.315+/-0.254 χ^2/NDF:9.9/6

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.351+/-0.237 χ^2/NDF:7.8/5

Left: 0.042+/-0.173 χ^2/NDF: 21.4/12

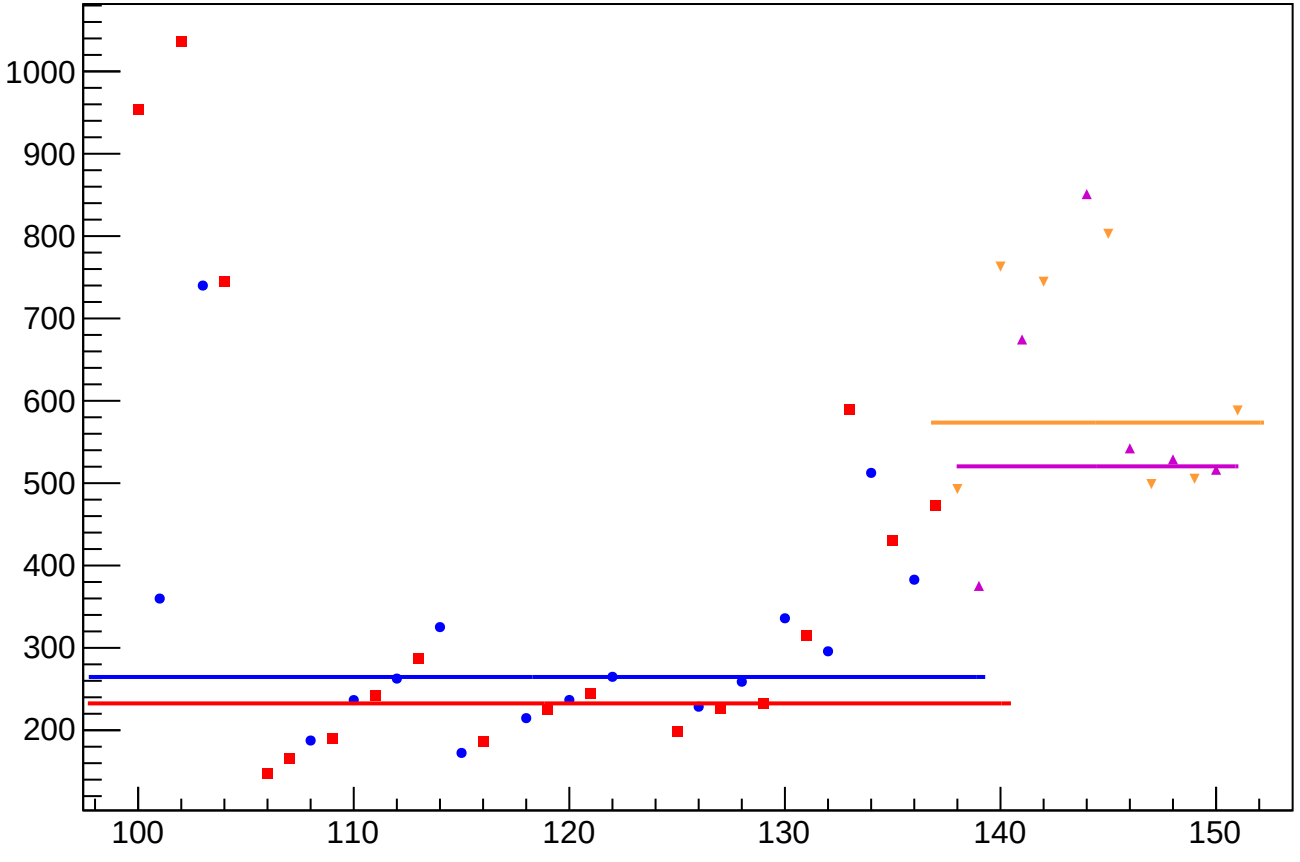
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.130+/-0.096 χ^2/NDF:17.7/21

Out: -0.115+/-0.091 χ^2/NDF:32.4/24

All: 0.001+/-0.066 χ^2/NDF: 53.6/46

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: 573.548+/-0.180 χ^2/NDF:383255.6/6

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 520.427+/-0.168 χ^2/NDF:590879.2/5

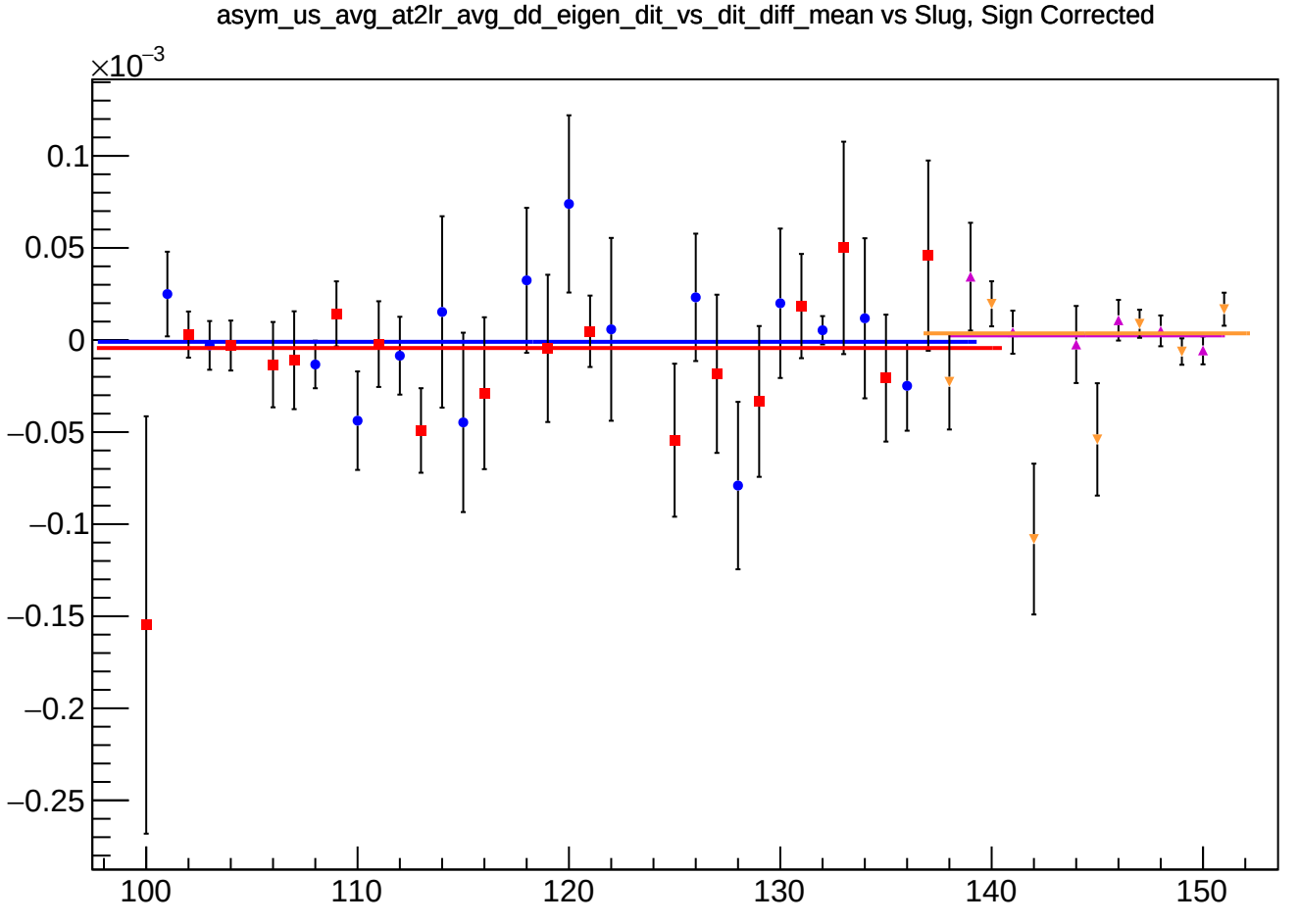
Left: 545.106+/-0.123 χ^2/NDF: 1020850.5/12

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 306.710+/-0.068 χ^2/NDF:3822633.3/21

Out: 276.157+/-0.064 χ^2/NDF:5551142.1/24

All: 290.593+/-0.047 χ^2/NDF: 9480520.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:3.1/5

Left: 0.000+/-0.000 χ^2/NDF: 21.4/12

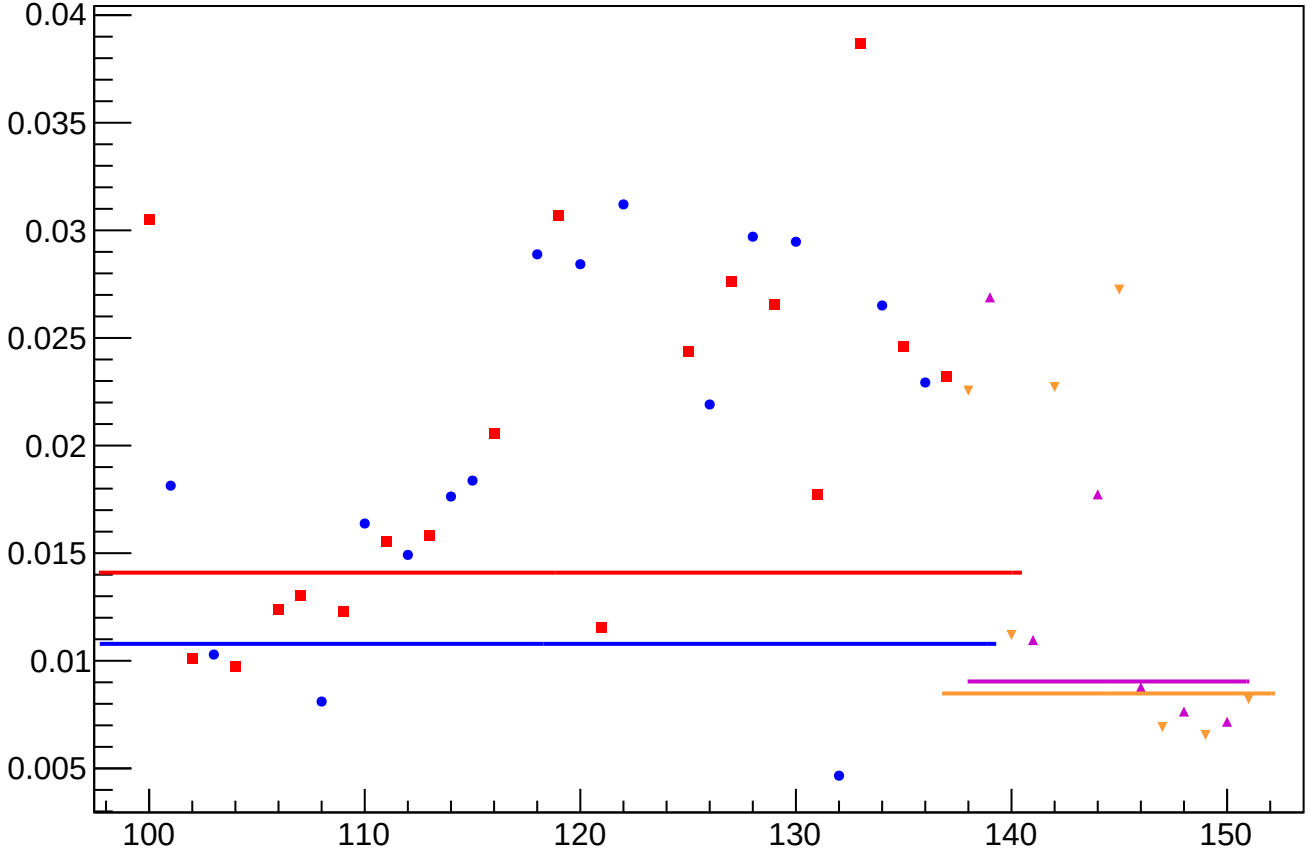
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:17.7/21

Out: 0.000+/-0.000 χ^2/NDF:32.1/24

All: 0.000+/-0.000 χ^2/NDF: 49.8/46

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: 0.008+/-0.000 χ^2/NDF:1918578.4/6

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1322909.7/5

Left: 0.009+/-0.000 χ^2/NDF: 3258447.0/12

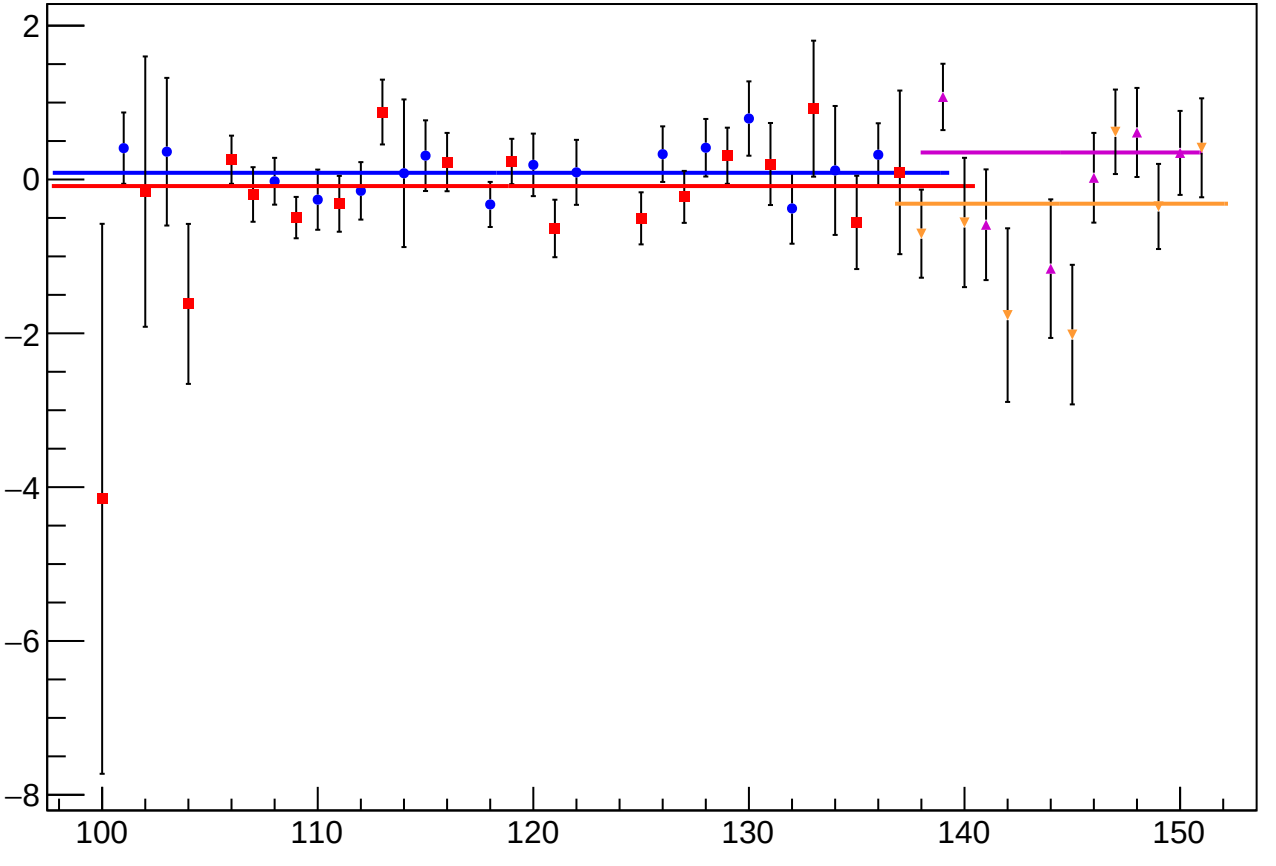
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:6040724.3/21

Out: 0.010+/-0.000 χ^2/NDF:5269365.2/24

All: 0.010+/-0.000 χ^2/NDF: 11340113.0/46

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: -0.315+/-0.254 χ^2/NDF:9.9/6

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.351+/-0.237 χ^2/NDF:7.8/5

Left: 0.042+/-0.173 χ^2/NDF: 21.4/12

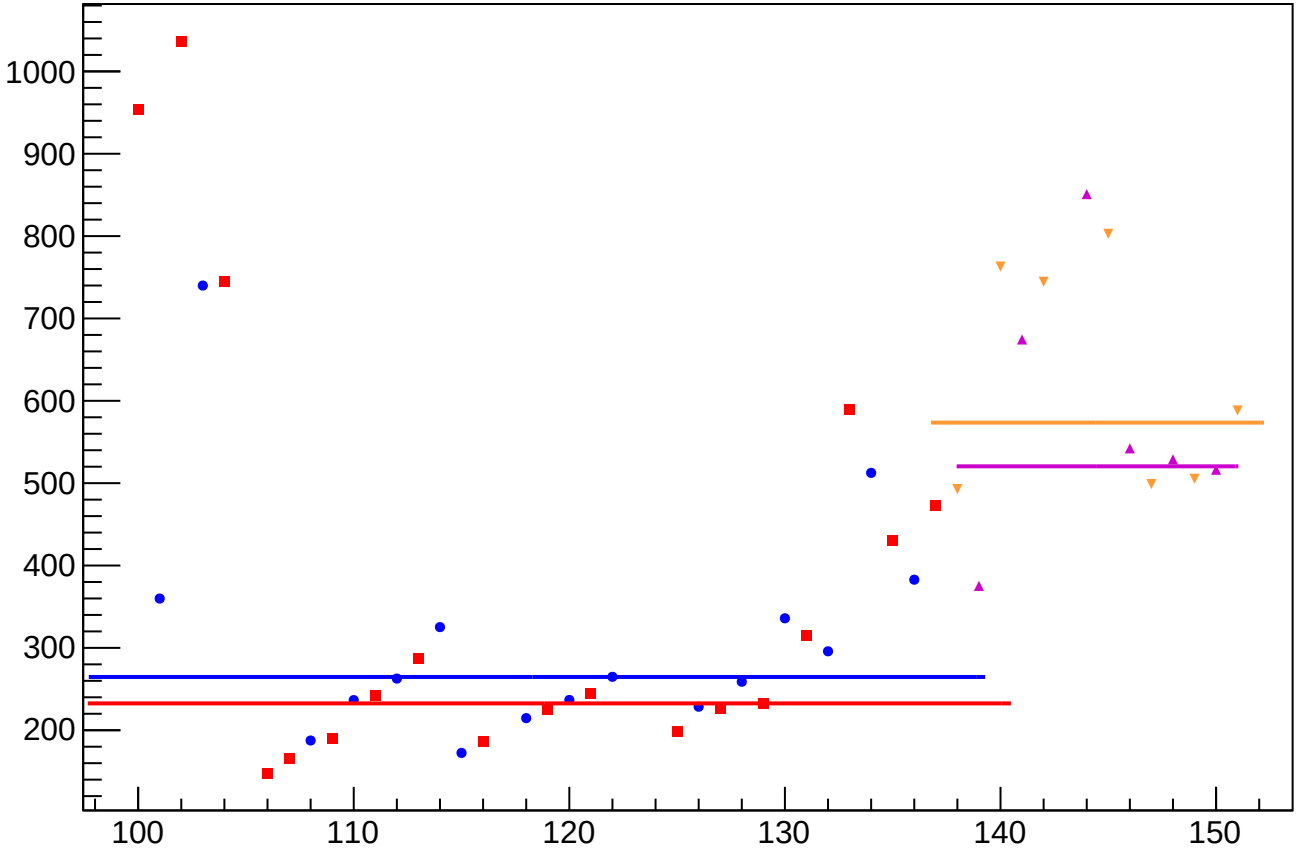
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.130+/-0.096 χ^2/NDF:17.7/21

Out: -0.115+/-0.091 χ^2/NDF:32.4/24

All: 0.001+/-0.066 χ^2/NDF: 53.6/46

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: 573.553+/-0.180 χ^2/NDF:383258.8/6

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 520.435+/-0.168 χ^2/NDF:590856.6/5

Left: 545.113+/-0.123 χ^2/NDF: 1020826.2/12

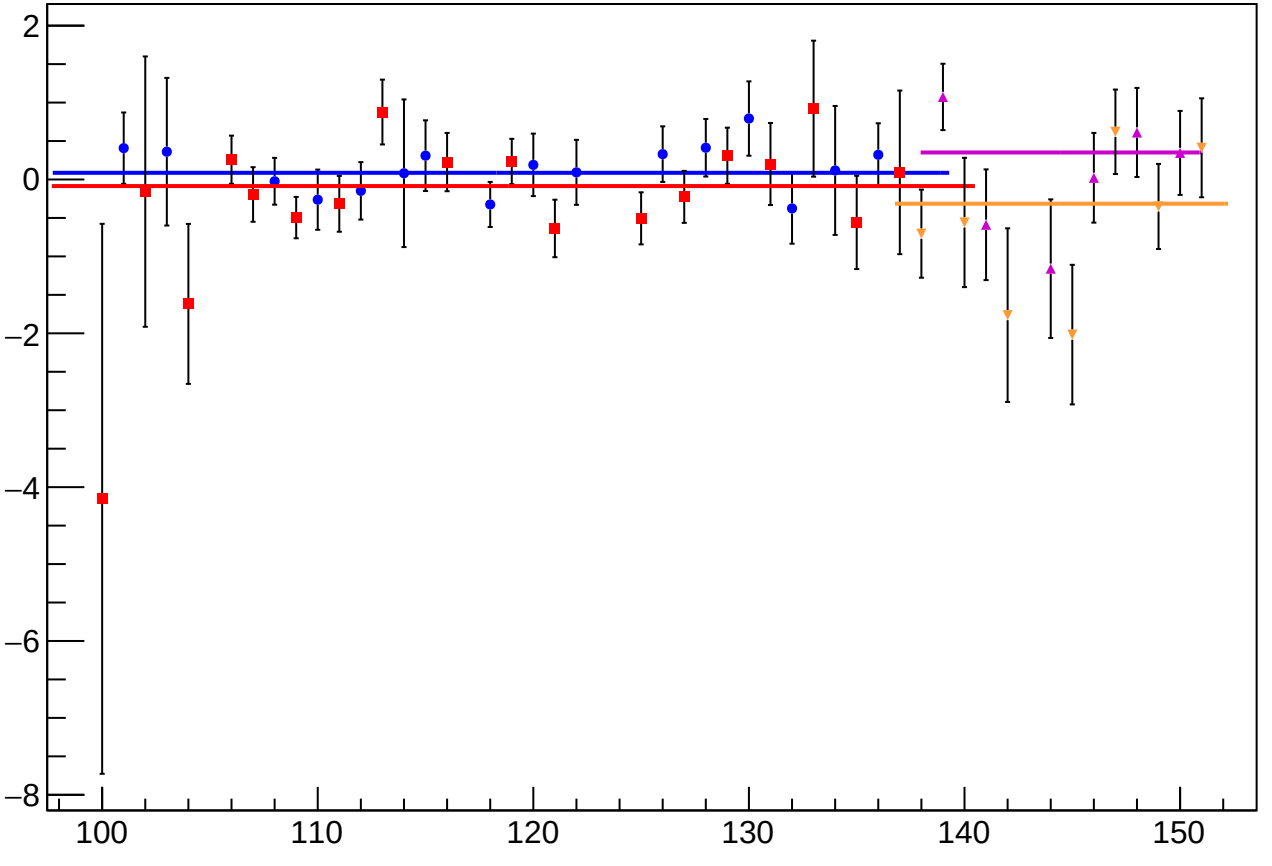
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 306.710+/-0.068 χ^2/NDF:3822657.8/21

Out: 276.158+/-0.064 χ^2/NDF:5551174.3/24

All: 290.593+/-0.047 χ^2/NDF: 9480572.0/46

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: -0.315+/-0.254 χ^2/NDF:9.9/6

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.351+/-0.237 χ^2/NDF:7.8/5

Left: 0.042+/-0.173 χ^2/NDF: 21.4/12

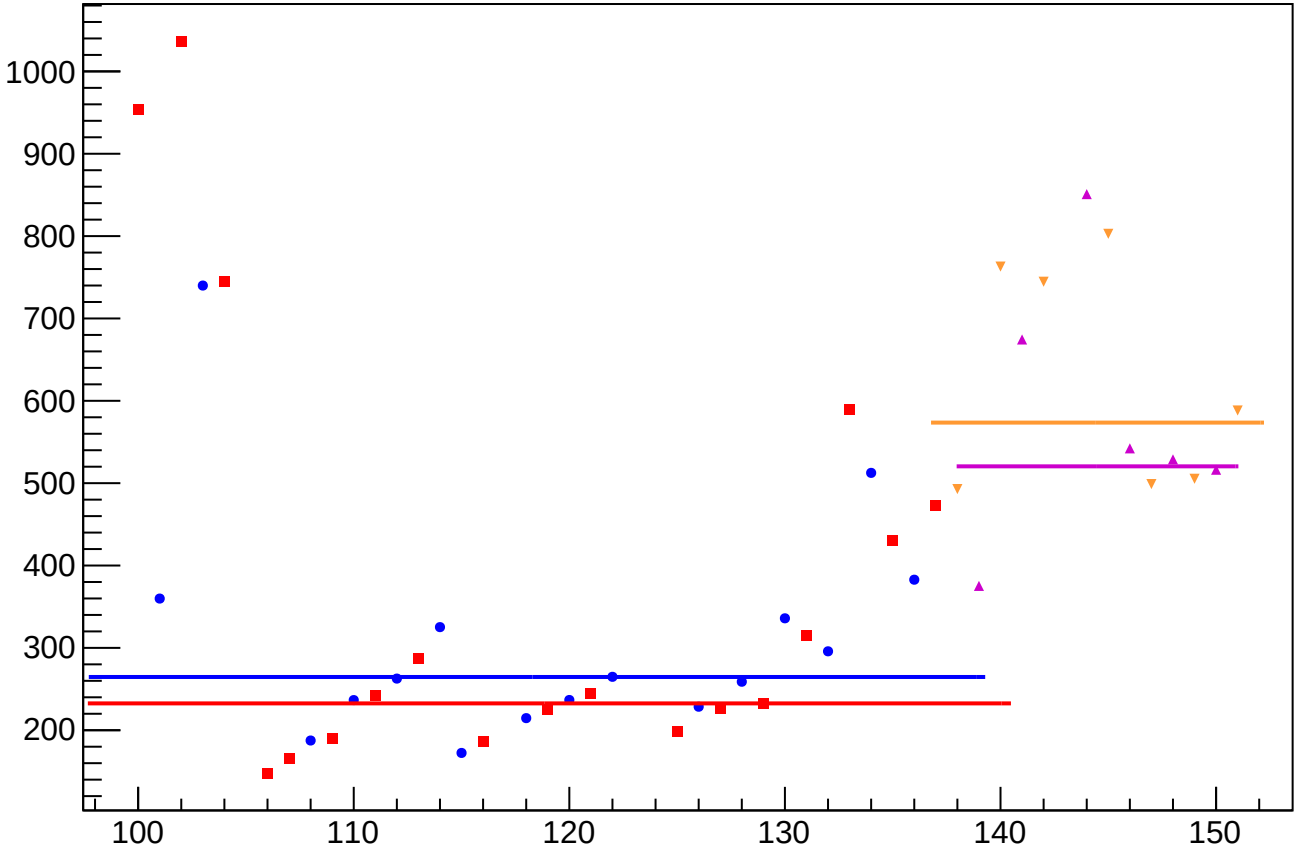
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.130+/-0.096 χ^2/NDF:17.7/21

Out: -0.115+/-0.091 χ^2/NDF:32.4/24

All: 0.001+/-0.066 χ^2/NDF: 53.6/46

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: 573.553+/-0.180 χ^2/NDF:383258.8/6

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 520.435+/-0.168 χ^2/NDF:590856.6/5

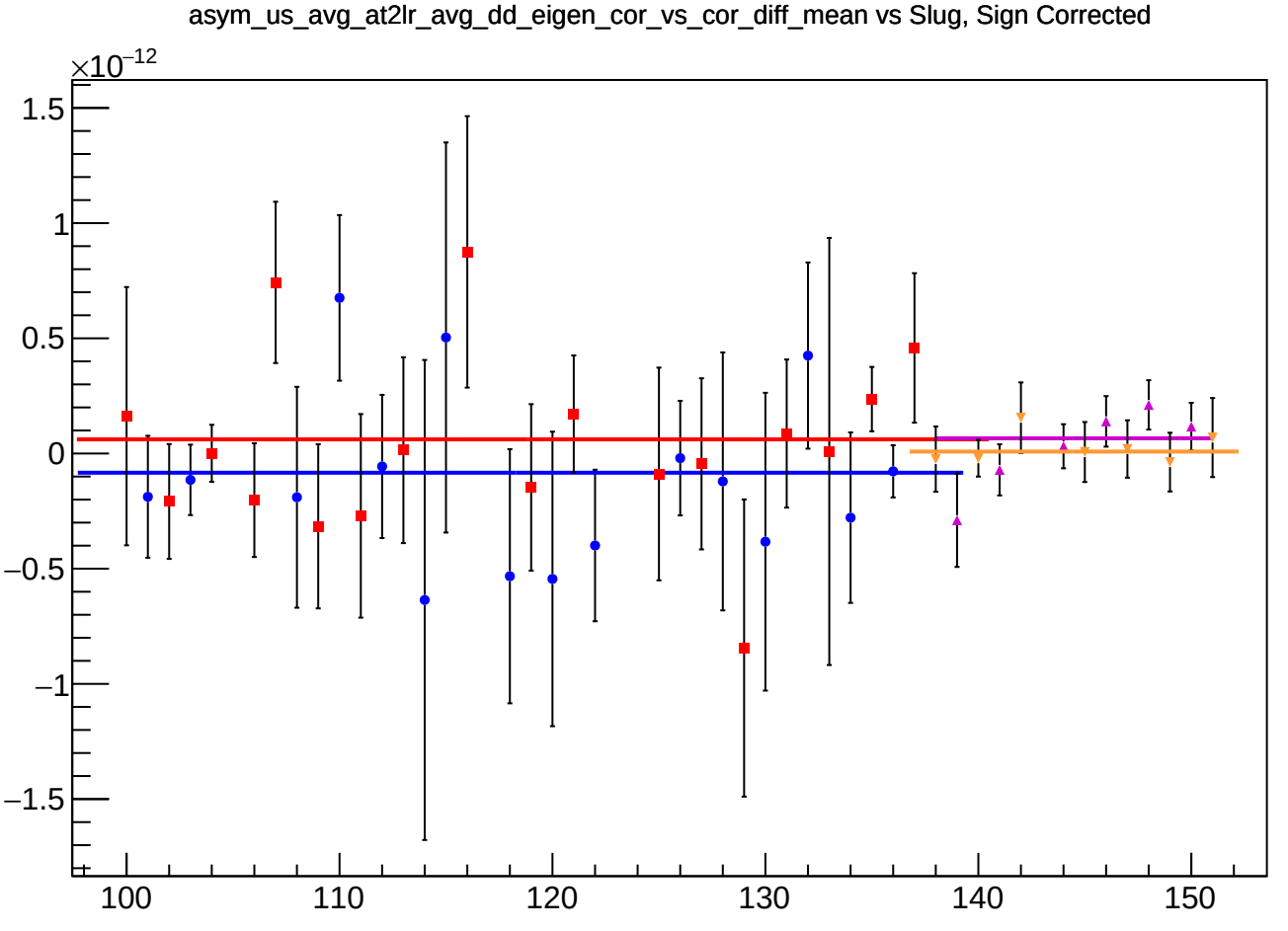
Left: 545.113+/-0.123 χ^2/NDF: 1020826.2/12

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 306.710+/-0.068 χ^2/NDF:3822657.8/21

Out: 276.158+/-0.064 χ^2/NDF:5551174.3/24

All: 290.593+/-0.047 χ^2/NDF: 9480572.0/46



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/5

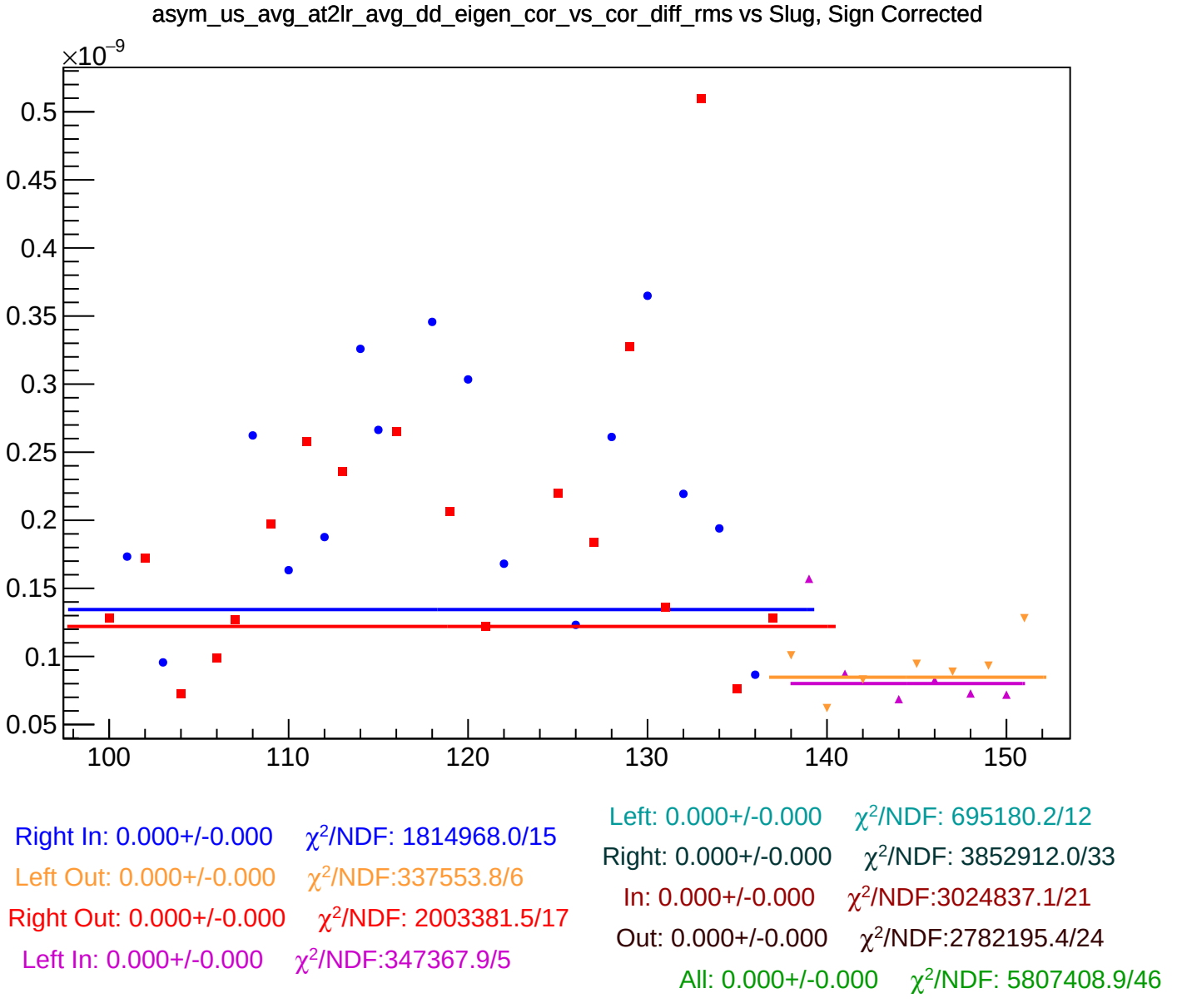
Left: 0.000+/-0.000 χ^2/NDF: 9.4/12

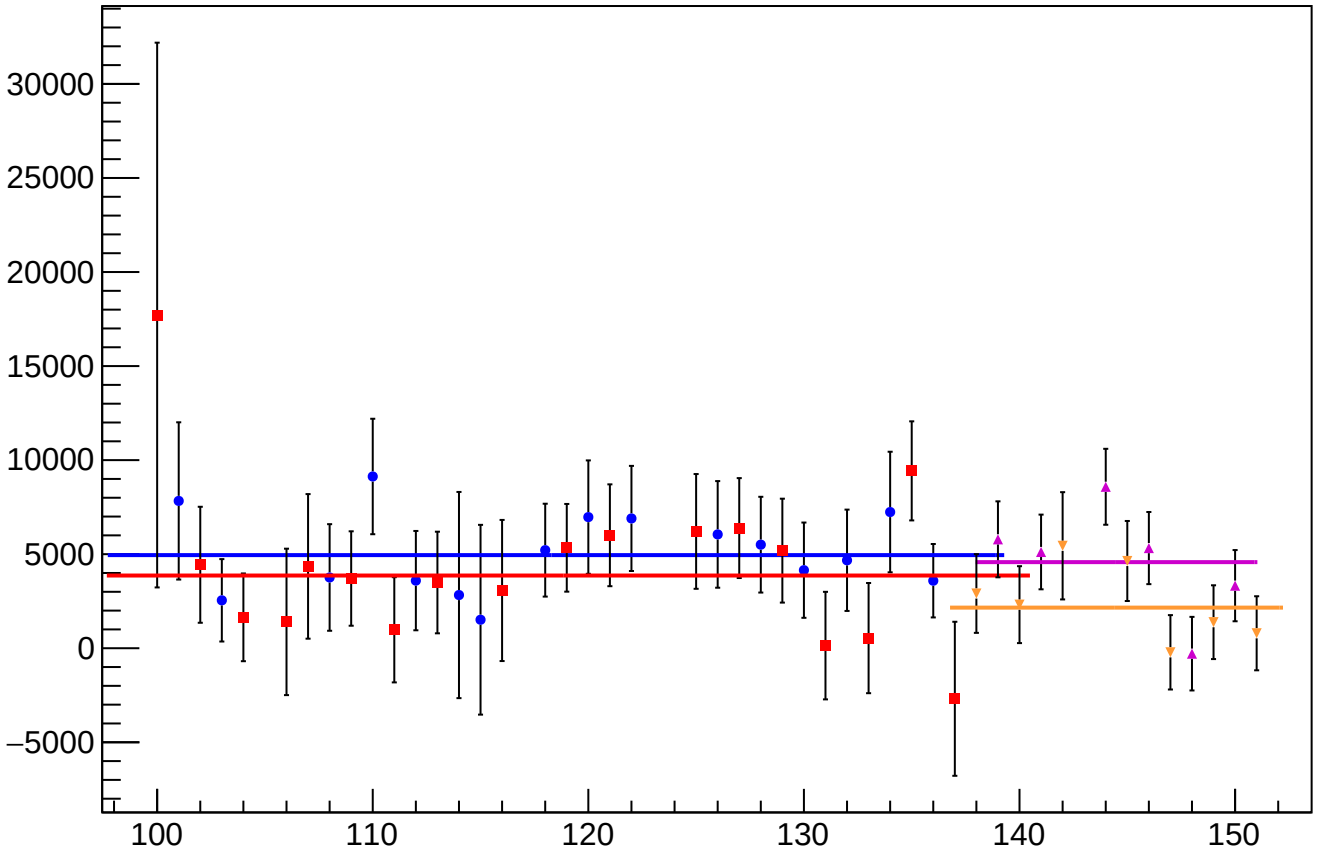
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:20.2/21

Out: 0.000+/-0.000 χ^2/NDF:17.5/24

All: 0.000+/-0.000 χ^2/NDF: 37.8/46


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:337553.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:347367.9/5
Left: 0.000+/-0.000 χ²/NDF: 695180.2/12
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:3024837.1/21
Out: 0.000+/-0.000 χ²/NDF:2782195.4/24
All: 0.000+/-0.000 χ²/NDF: 5807408.9/46



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2158.878+/-794.187 χ^2/NDF:4.9/6

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4576.977+/-801.459 χ^2/NDF:11.2/5

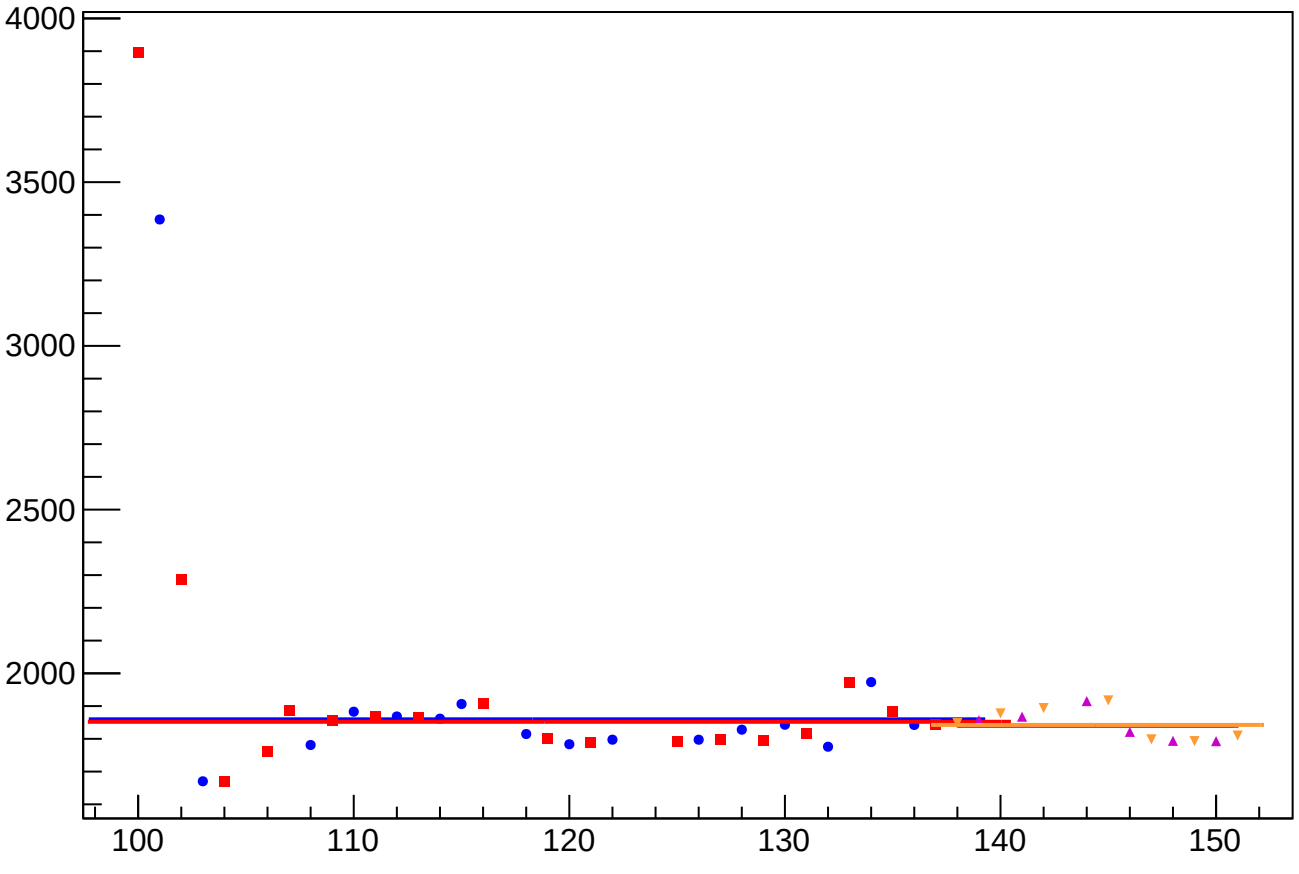
Left: 3356.907+/-564.129 χ^2/NDF: 20.6/12

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4789.041+/-526.765 χ^2/NDF:18.1/21

Out: 3124.214+/-523.345 χ^2/NDF:23.7/24

All: 3951.206+/-371.264 χ^2/NDF: 46.8/46



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1842.517+/-0.562 χ^2/NDF:6551.2/6

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1839.613+/-0.567 χ^2/NDF:5844.3/5

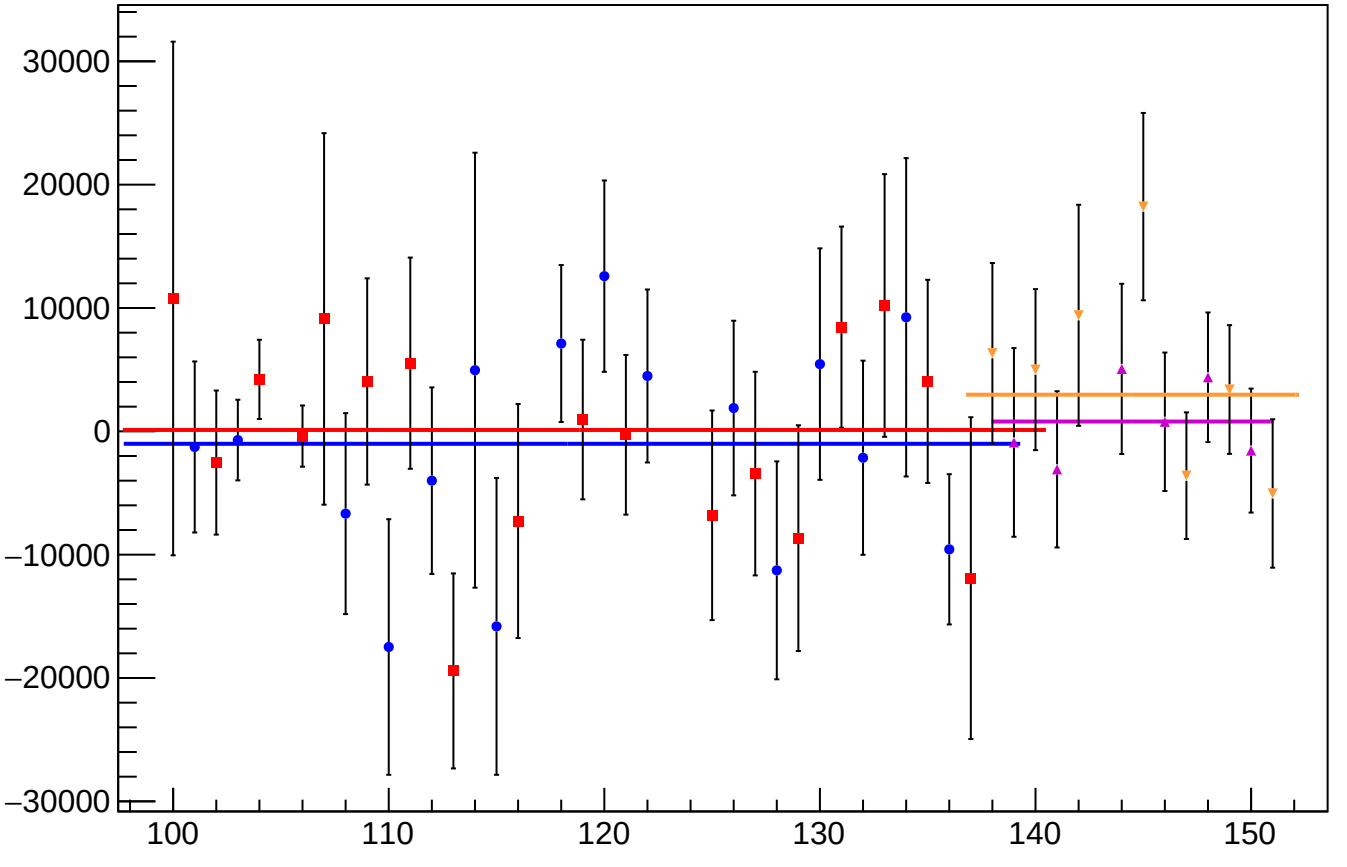
Left: 1841.078+/-0.399 χ^2/NDF: 12408.7/12

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1850.914+/-0.372 χ^2/NDF:298879.0/21

Out: 1847.933+/-0.369 χ^2/NDF:108927.7/24

All: 1849.411+/-0.262 χ^2/NDF: 407839.0/46



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 2971.166+/-2395.548 χ^2/NDF:8.3/6

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 794.667+/-2421.498 χ^2/NDF:1.5/5

Left: 1894.642+/-1703.009 χ^2/NDF: 10.2/12

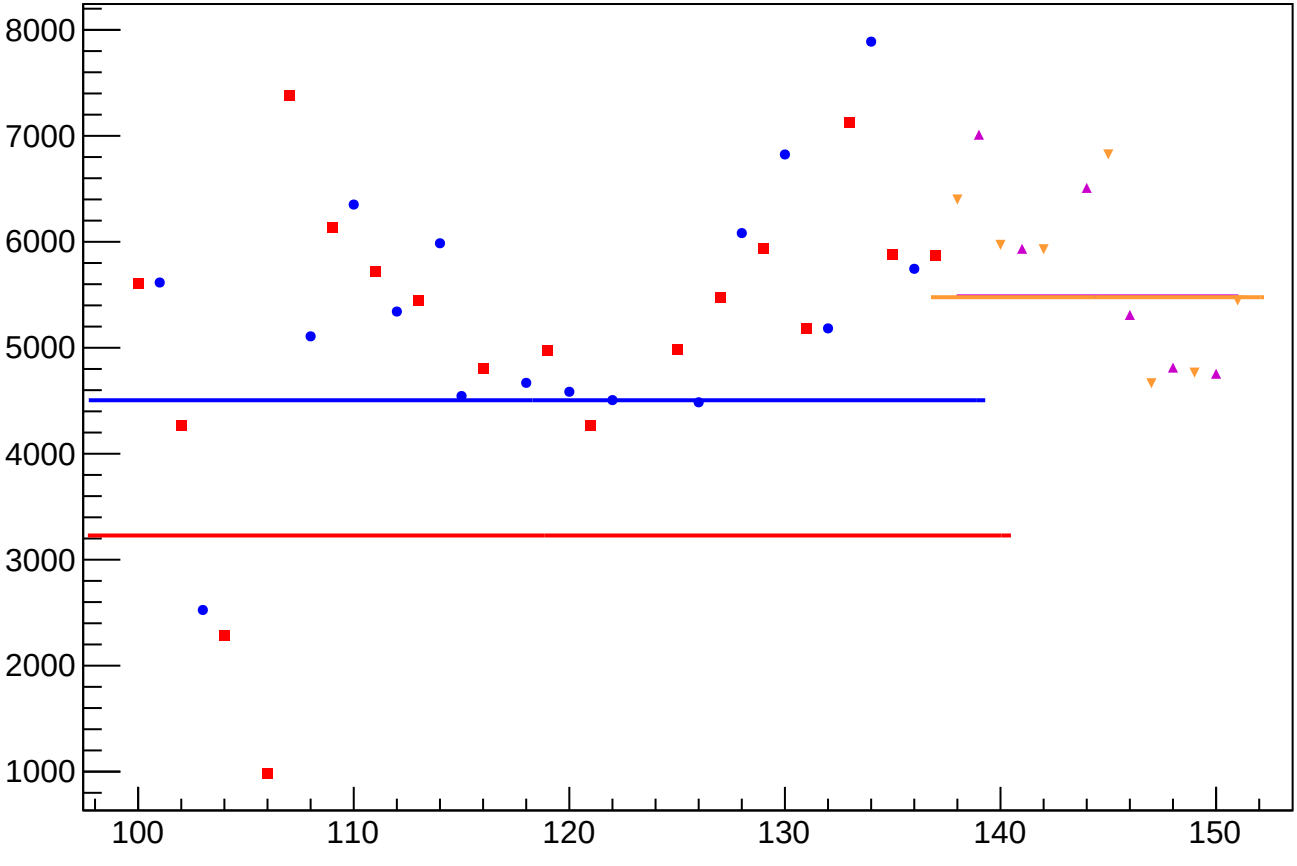
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -384.438+/-1425.890 χ^2/NDF:16.6/21

Out: 869.214+/-1233.247 χ^2/NDF:24.0/24

All: 332.735+/-932.768 χ^2/NDF: 41.0/46

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5477.216+/-1.694 χ^2/NDF:198625.8/6

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 5485.259+/-1.712 χ^2/NDF:210542.6/5

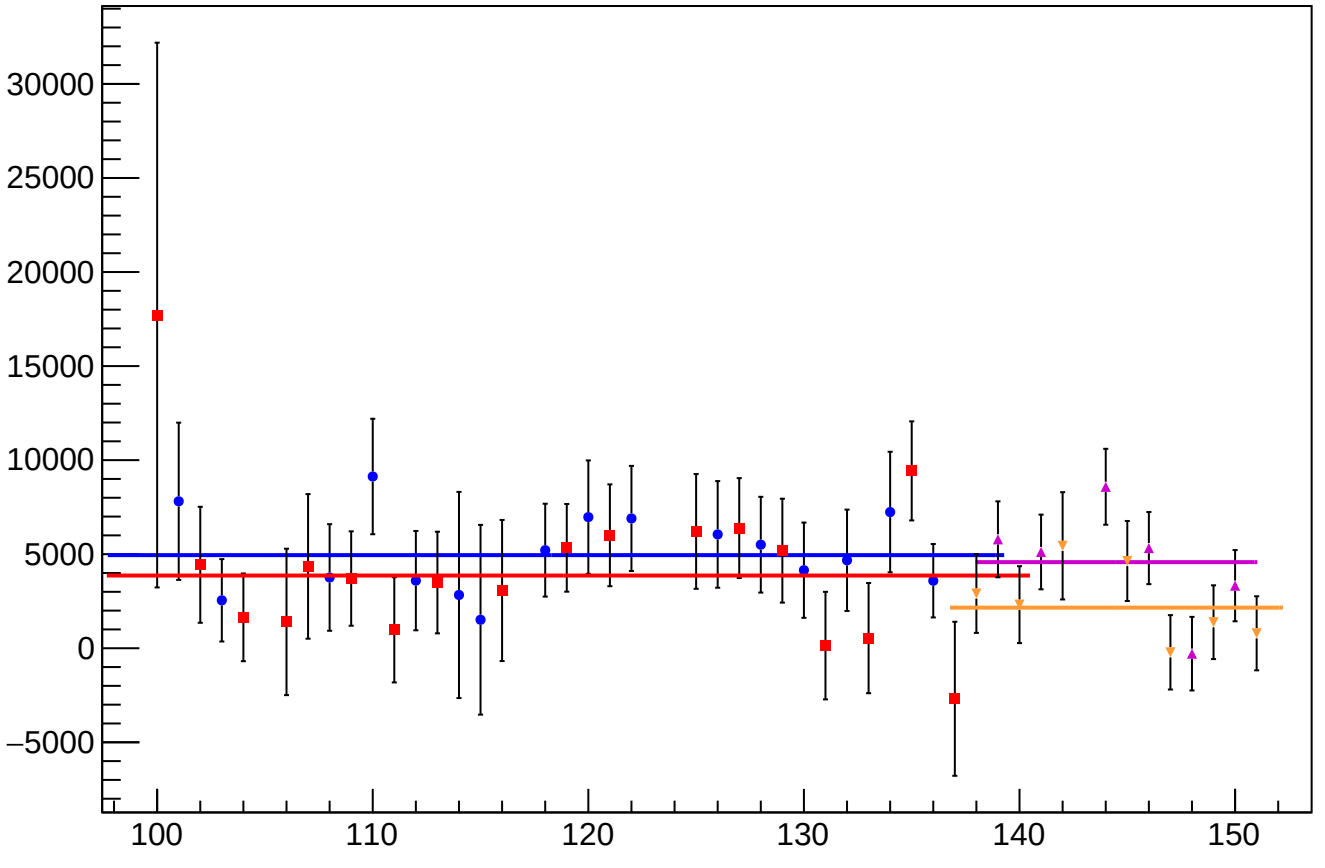
Left: 5481.194+/-1.204 χ^2/NDF: 409179.6/12

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4844.756+/-1.008 χ^2/NDF:1745846.4/21

Out: 3824.548+/-0.872 χ^2/NDF:5450173.8/24

All: 4261.128+/-0.660 χ^2/NDF: 7781730.6/46



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2158.722+/-794.187 χ^2/NDF:4.9/6

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4577.276+/-801.459 χ^2/NDF:11.2/5

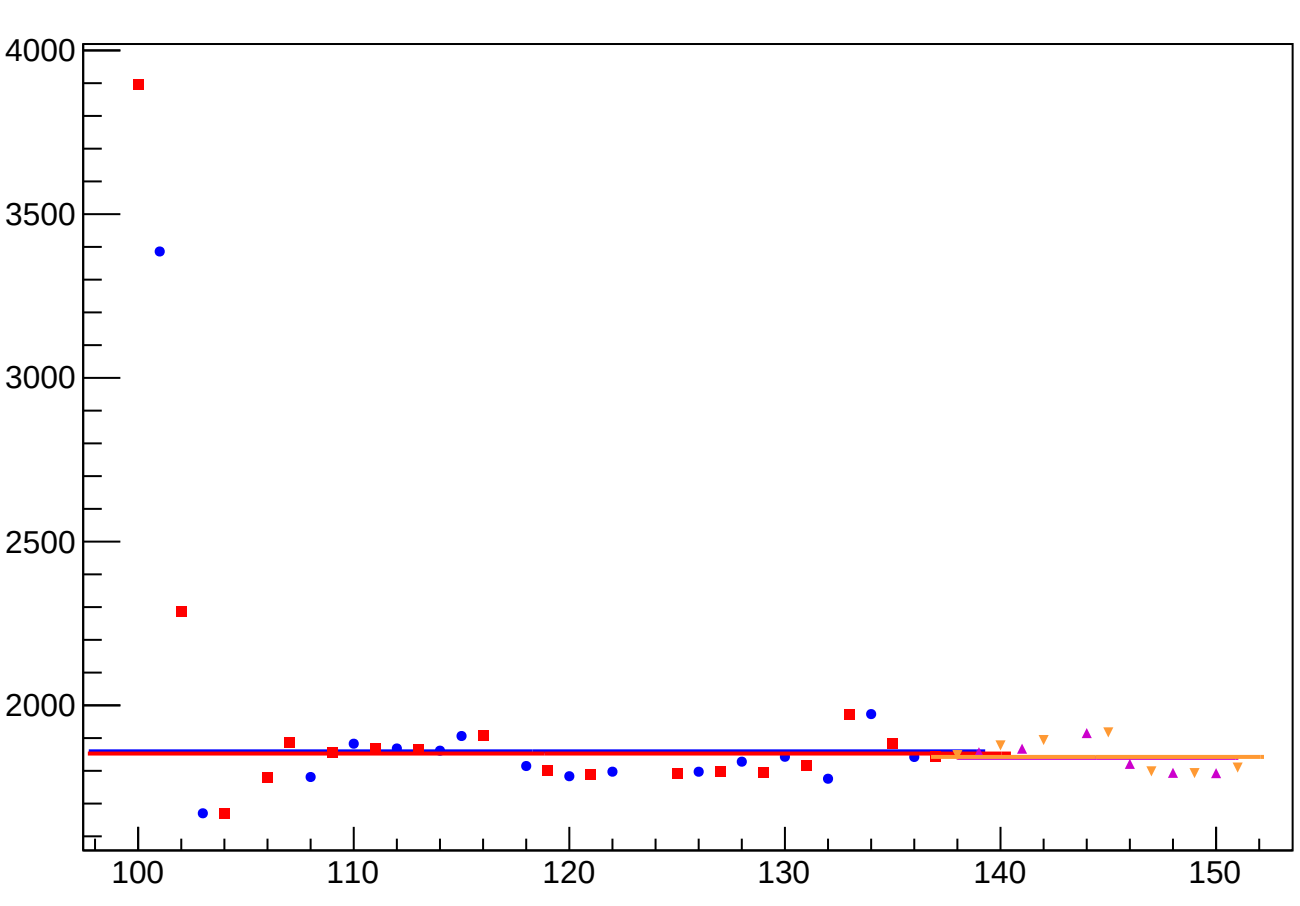
Left: 3356.977+/-564.129 χ^2/NDF: 20.6/12

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4788.896+/-526.765 χ^2/NDF:18.1/21

Out: 3124.025+/-523.345 χ^2/NDF:23.7/24

All: 3951.038+/-371.264 χ^2/NDF: 46.8/46



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1842.517+/-0.562 χ^2/NDF:6551.2/6

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1839.613+/-0.567 χ^2/NDF:5844.3/5

Left: 1841.078+/-0.399 χ^2/NDF: 12408.7/12

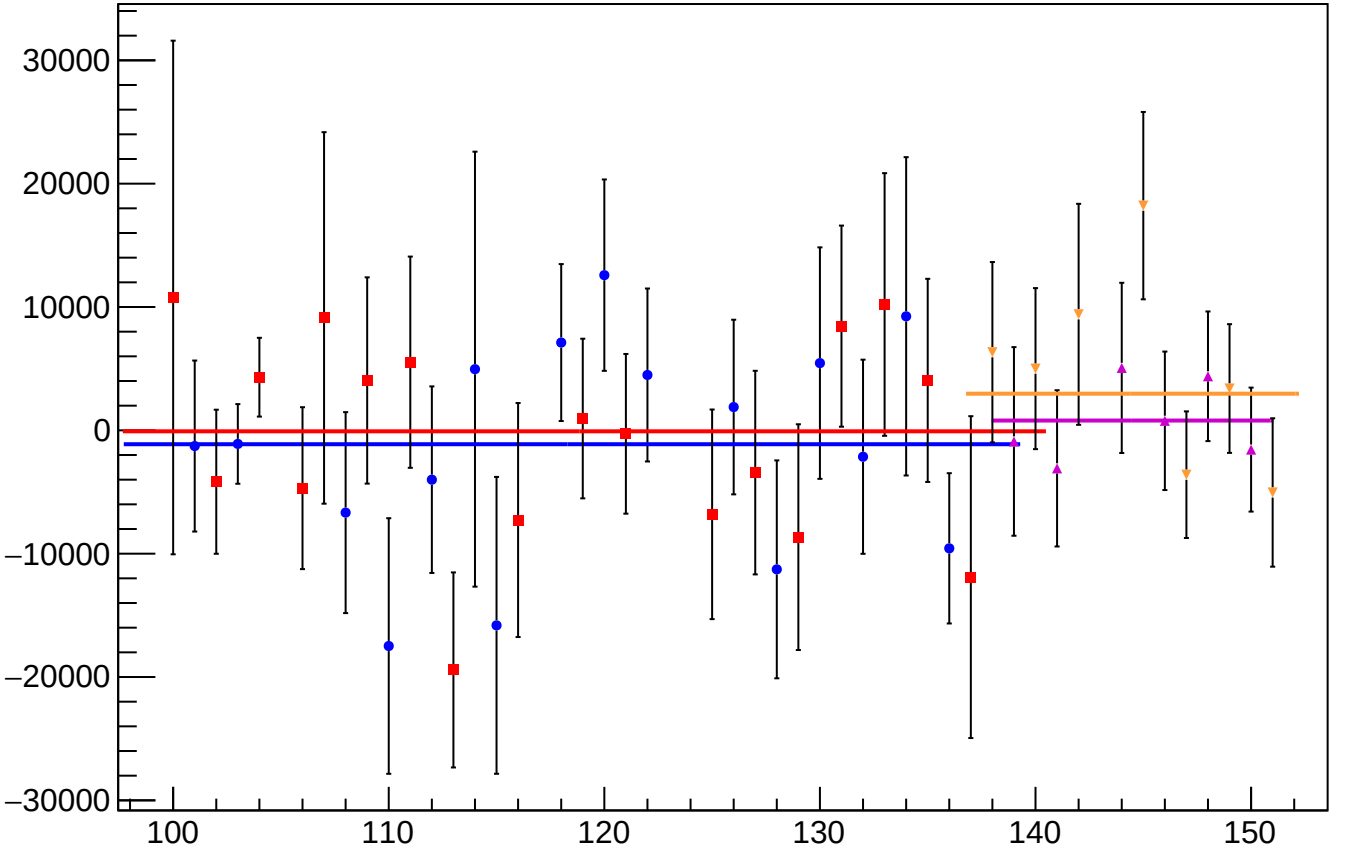
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1850.914+/-0.372 χ^2/NDF:298880.9/21

Out: 1848.331+/-0.369 χ^2/NDF:108490.8/24

All: 1849.613+/-0.262 χ^2/NDF: 407395.9/46

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2971.033+/-2395.544 χ^2/NDF:8.3/6

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 794.820+/-2421.497 χ^2/NDF:1.5/5

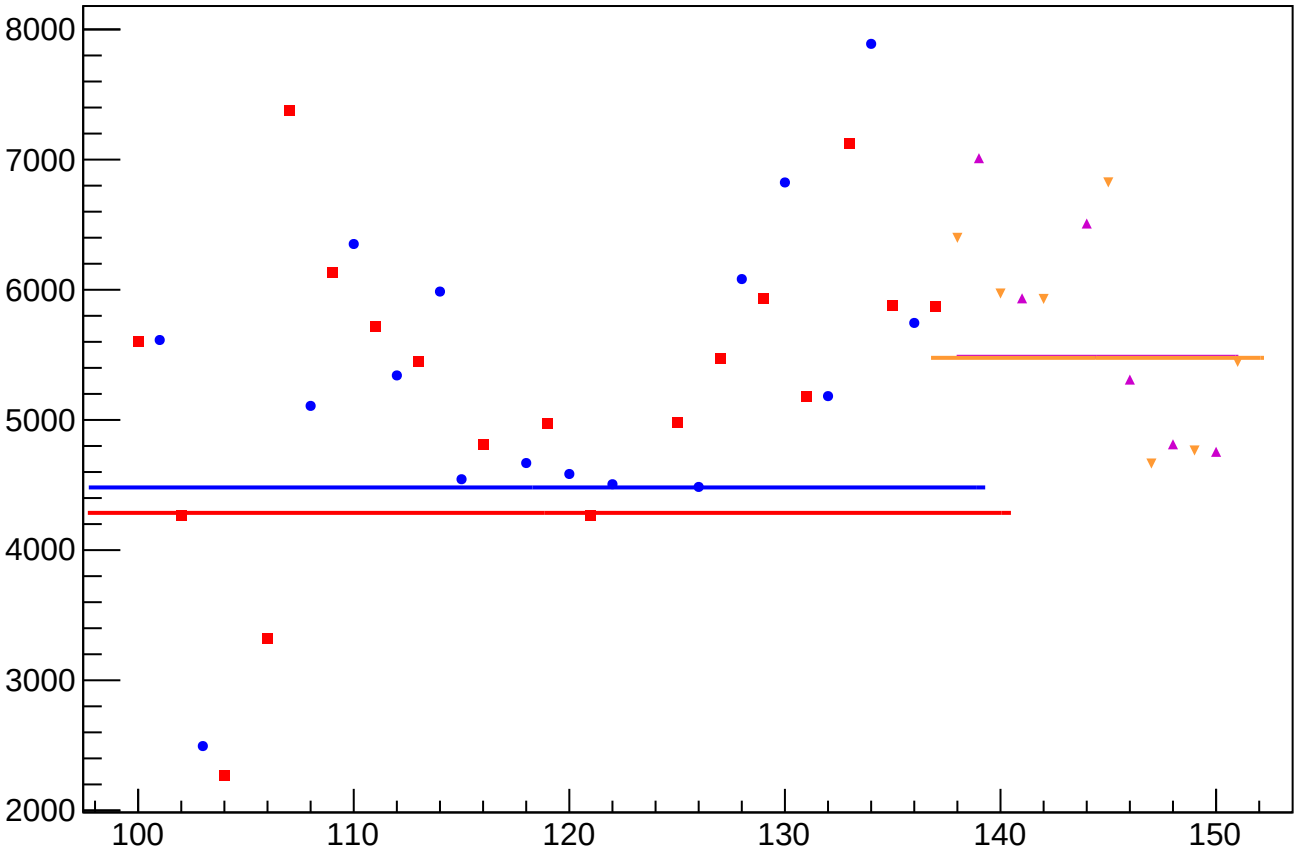
Left: 1894.651+/-1703.007 χ^2/NDF: 10.2/12

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -462.803+/-1422.555 χ^2/NDF:16.6/21

Out: 944.990+/-1387.704 χ^2/NDF:24.9/24

All: 258.549+/-993.347 χ^2/NDF: 42.0/46



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5477.207+/-1.694 χ^2/NDF:198625.7/6

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5485.256+/-1.712 χ^2/NDF:210543.3/5

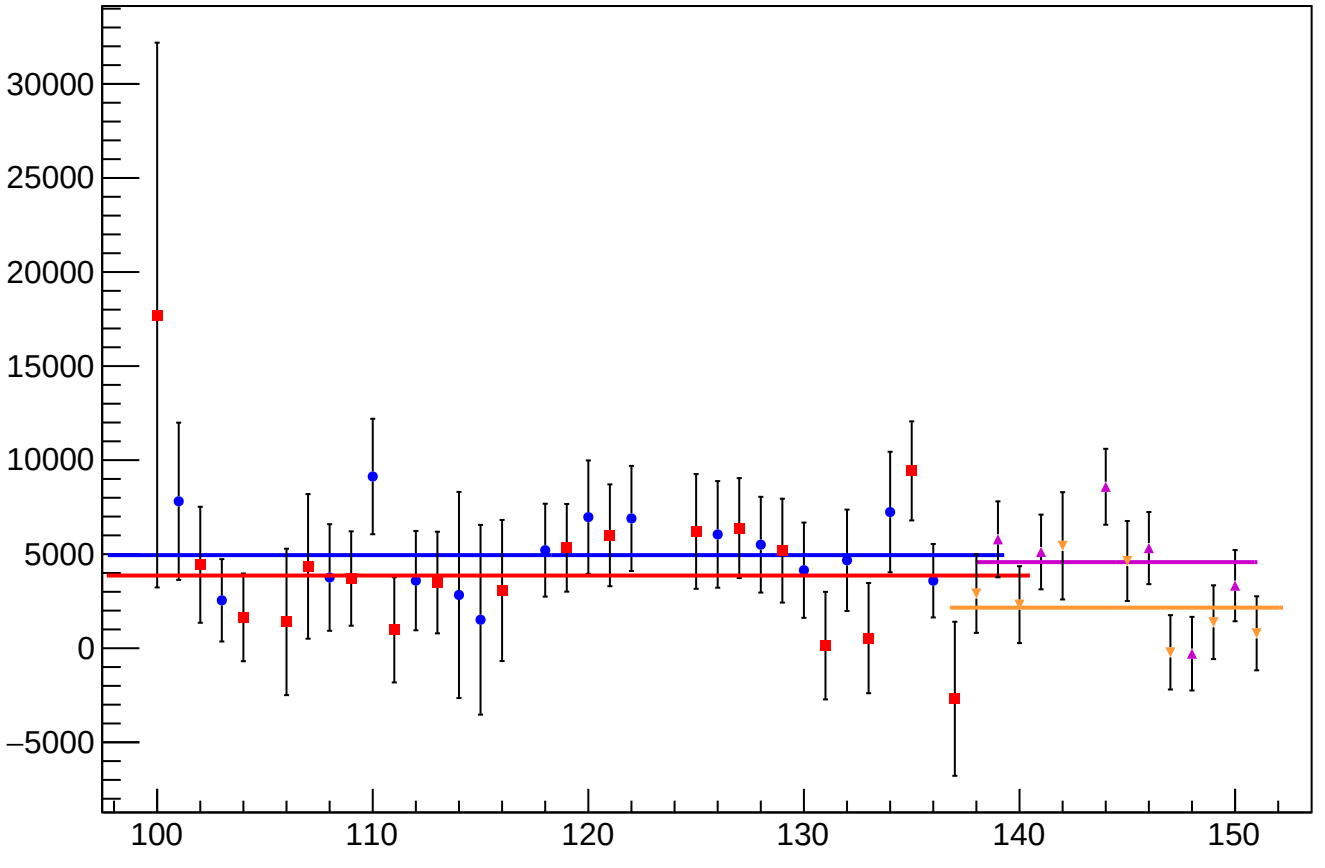
Left: 5481.188+/-1.204 χ^2/NDF: 409180.1/12

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4827.928+/-1.006 χ^2/NDF:1797840.9/21

Out: 4685.819+/-0.981 χ^2/NDF:2076991.6/24

All: 4755.111+/-0.702 χ^2/NDF: 3885059.4/46



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2158.722+/-794.187 χ^2/NDF:4.9/6

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4577.276+/-801.459 χ^2/NDF:11.2/5

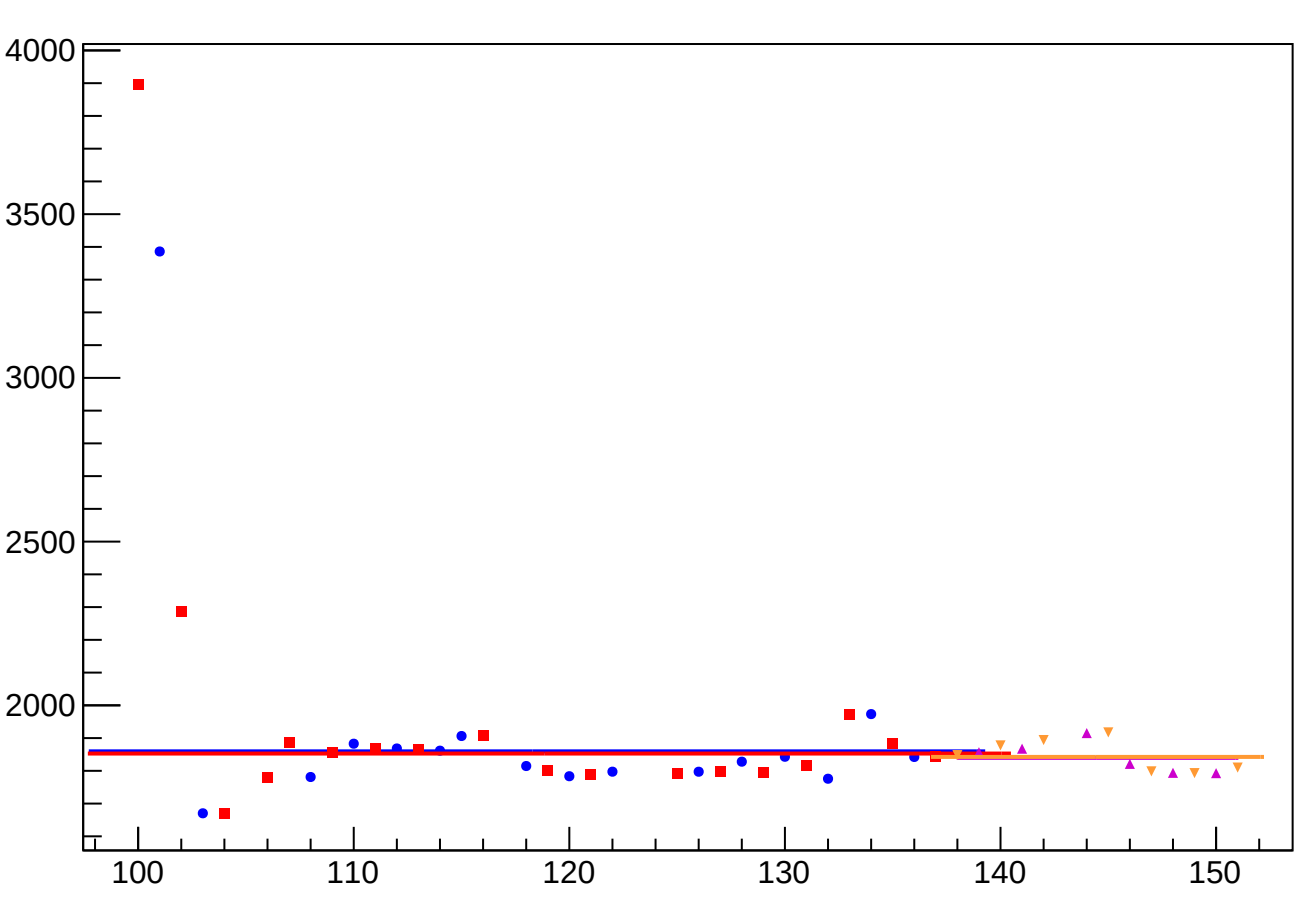
Left: 3356.977+/-564.129 χ^2/NDF: 20.6/12

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4788.896+/-526.765 χ^2/NDF:18.1/21

Out: 3124.025+/-523.345 χ^2/NDF:23.7/24

All: 3951.038+/-371.264 χ^2/NDF: 46.8/46



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1842.517+/-0.562 χ^2/NDF:6551.2/6

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1839.613+/-0.567 χ^2/NDF:5844.3/5

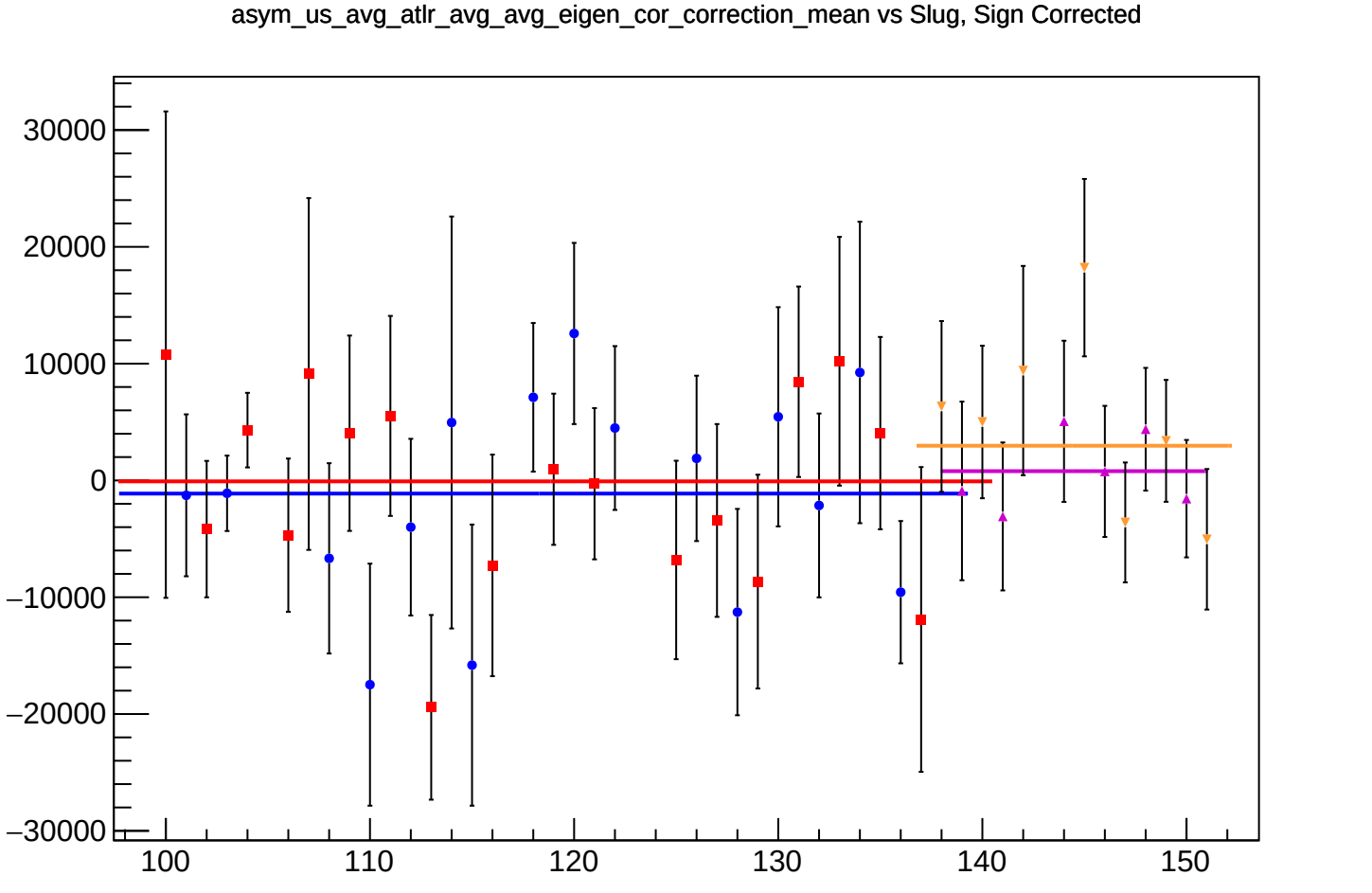
Left: 1841.078+/-0.399 χ^2/NDF: 12408.7/12

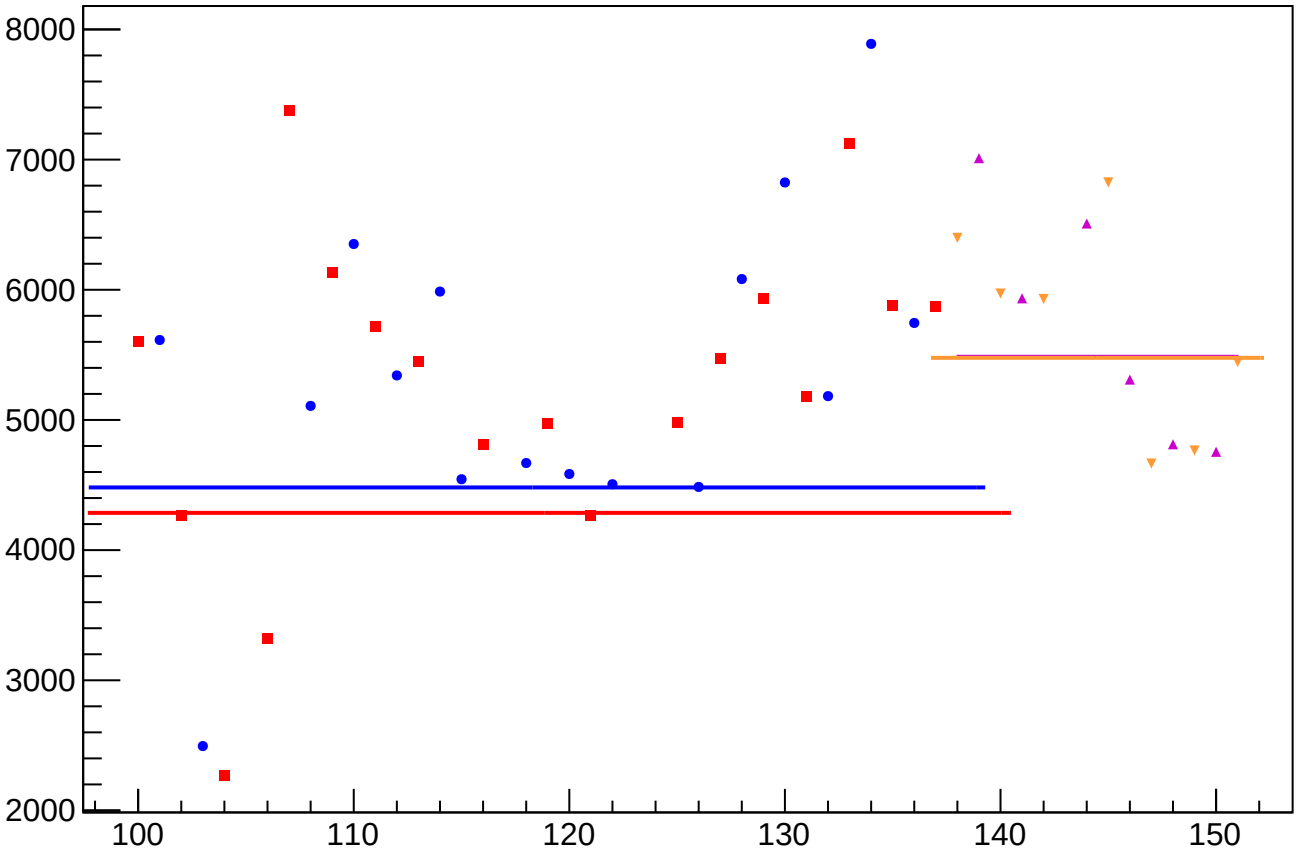
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1850.914+/-0.372 χ^2/NDF:298880.9/21

Out: 1848.331+/-0.369 χ^2/NDF:108490.8/24

All: 1849.613+/-0.262 χ^2/NDF: 407395.9/46


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 2971.033+/-2395.544 χ²/NDF:8.3/6
Right Out: -78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 794.820+/-2421.497 χ²/NDF:1.5/5
Left: 1894.651+/-1703.007 χ²/NDF: 10.2/12
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -462.803+/-1422.555 χ²/NDF:16.6/21
Out: 944.990+/-1387.704 χ²/NDF:24.9/24
All: 258.549+/-993.347 χ²/NDF: 42.0/46



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5477.207+/-1.694 χ^2/NDF:198625.7/6

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5485.256+/-1.712 χ^2/NDF:210543.3/5

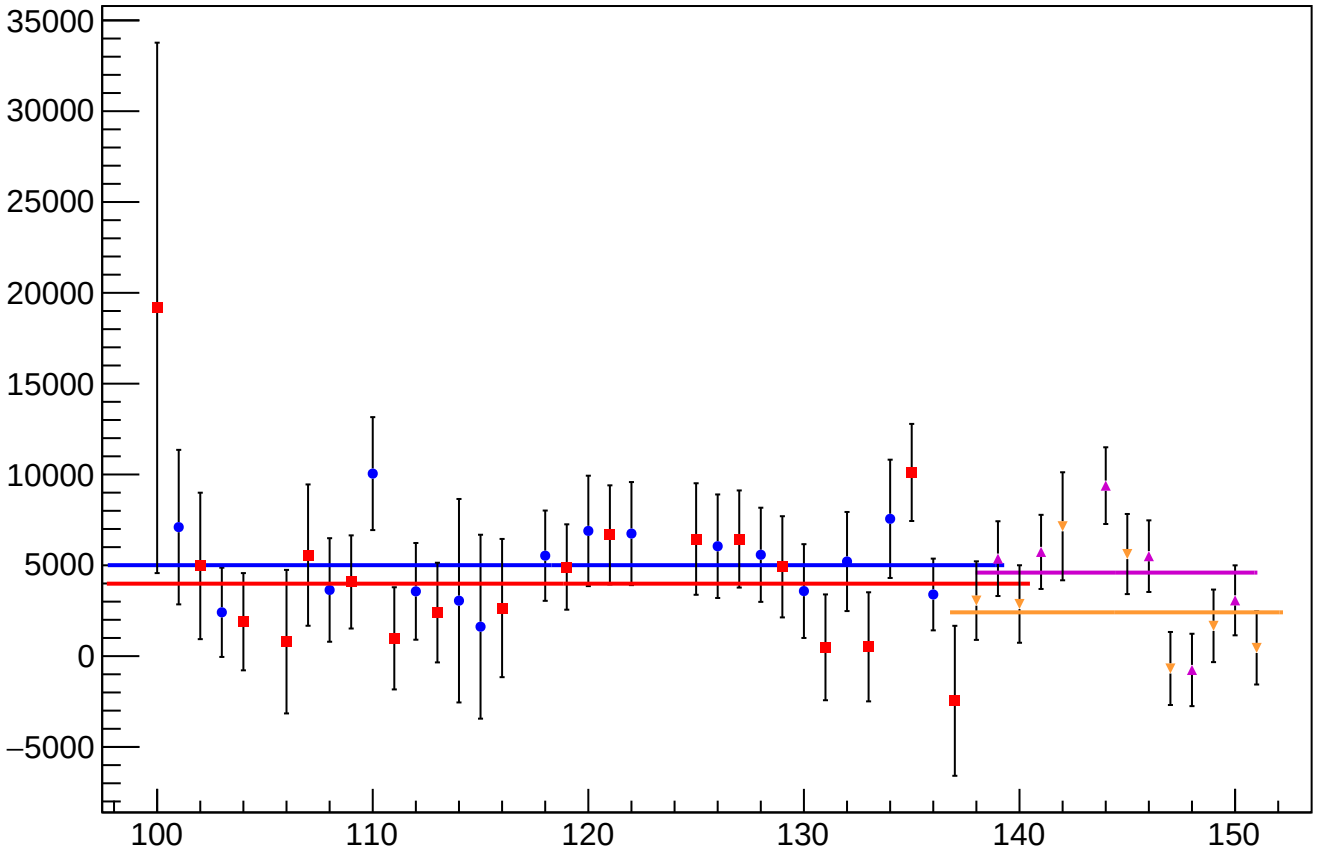
Left: 5481.188+/-1.204 χ^2/NDF: 409180.1/12

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4827.928+/-1.006 χ^2/NDF:1797840.9/21

Out: 4685.819+/-0.981 χ^2/NDF:2076991.6/24

All: 4755.111+/-0.702 χ^2/NDF: 3885059.4/46



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2410.947+/-817.291 χ^2/NDF:8.2/6

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4598.011+/-822.226 χ^2/NDF:13.7/5

Left: 3497.895+/-579.649 χ^2/NDF: 25.5/12

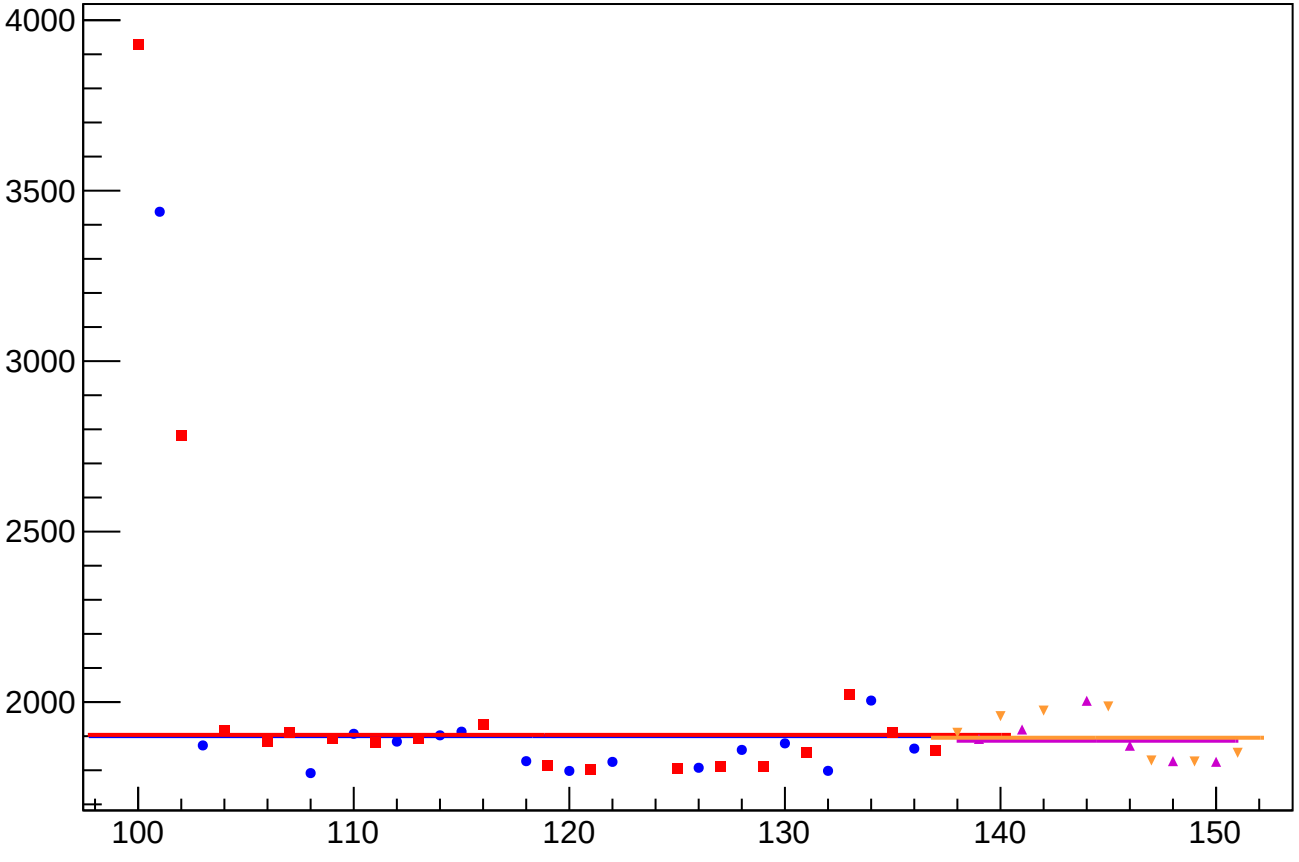
Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4831.339+/-539.132 χ^2/NDF:21.5/21

Out: 3300.607+/-539.844 χ^2/NDF:27.7/24

All: 4066.982+/-381.476 χ^2/NDF: 53.2/46

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1895.406+/-0.578 χ^2/NDF:12334.8/6

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1886.622+/-0.581 χ^2/NDF:10661.2/5

Left: 1891.040+/-0.410 χ^2/NDF: 23110.8/12

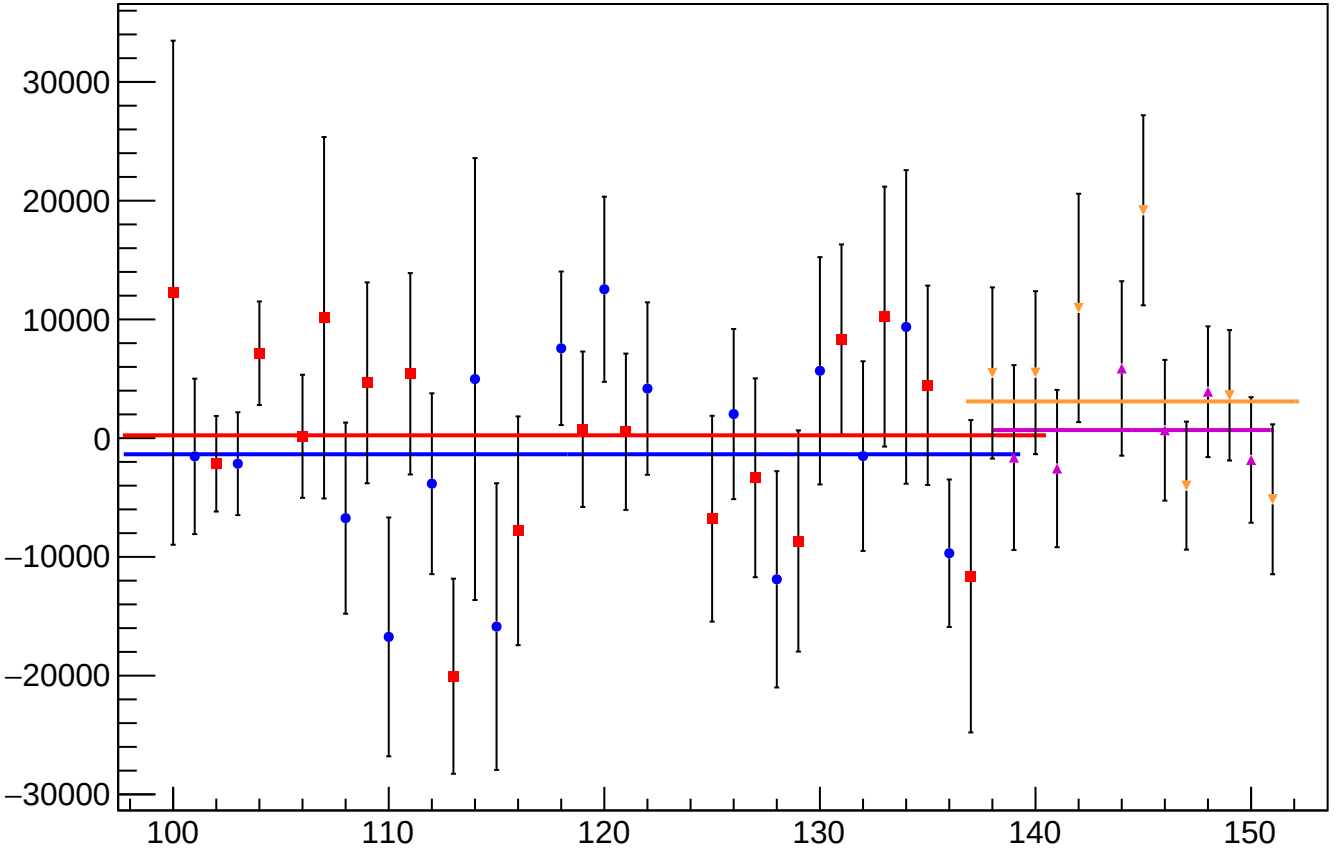
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1894.312+/-0.381 χ^2/NDF:289416.3/21

Out: 1900.157+/-0.381 χ^2/NDF:162570.4/24

All: 1897.232+/-0.270 χ^2/NDF: 452104.2/46

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 3094.041+/-2503.546 χ^2/NDF:8.4/6

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 682.649+/-2539.656 χ^2/NDF:1.4/5

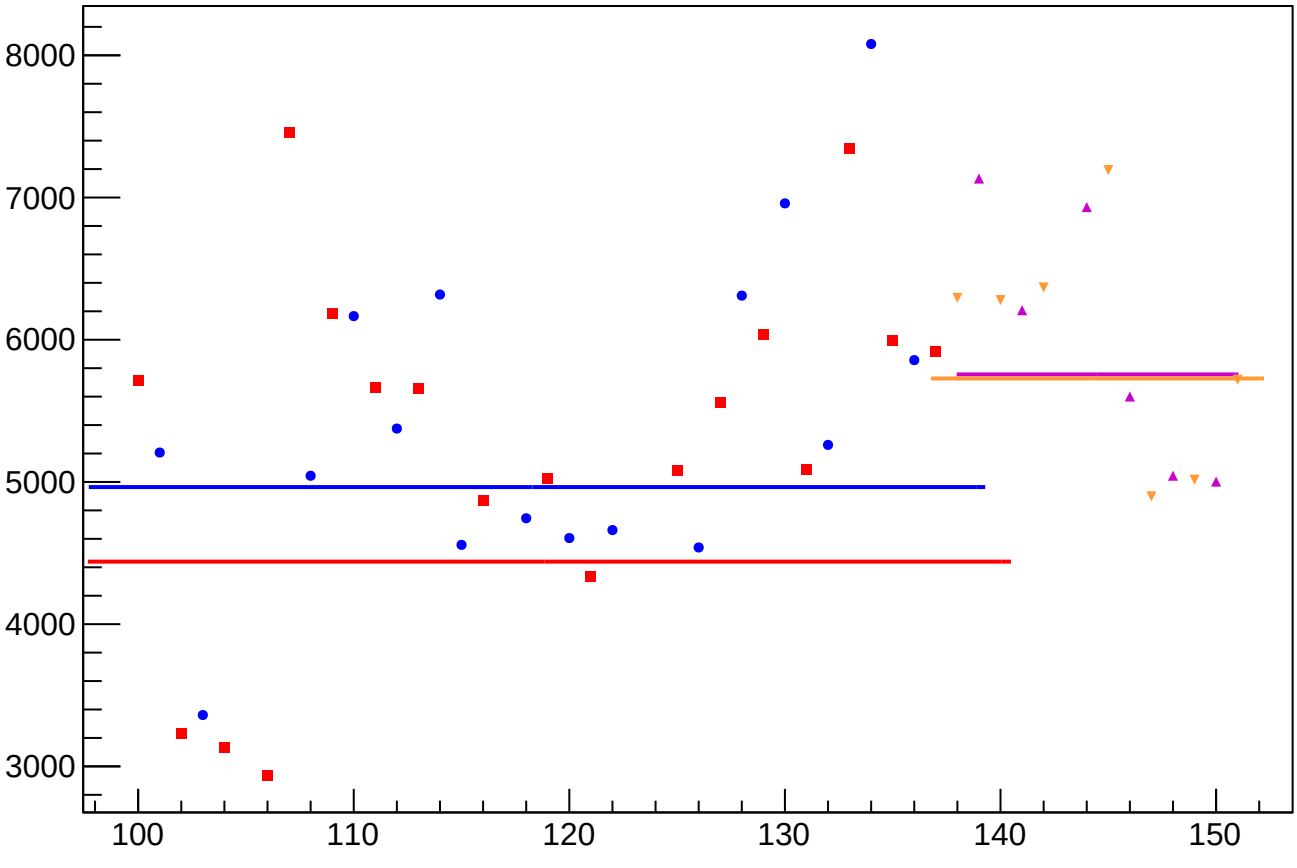
Left: 1905.610+/-1782.904 χ^2/NDF: 10.2/12

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -626.802+/-1519.301 χ^2/NDF:16.5/21

Out: 1150.651+/-1413.560 χ^2/NDF:25.0/24

All: 325.926+/-1034.903 χ^2/NDF: 42.3/46



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5727.556+/-1.770 χ^2/NDF:182080.3/6

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 5756.097+/-1.796 χ^2/NDF:198696.4/5

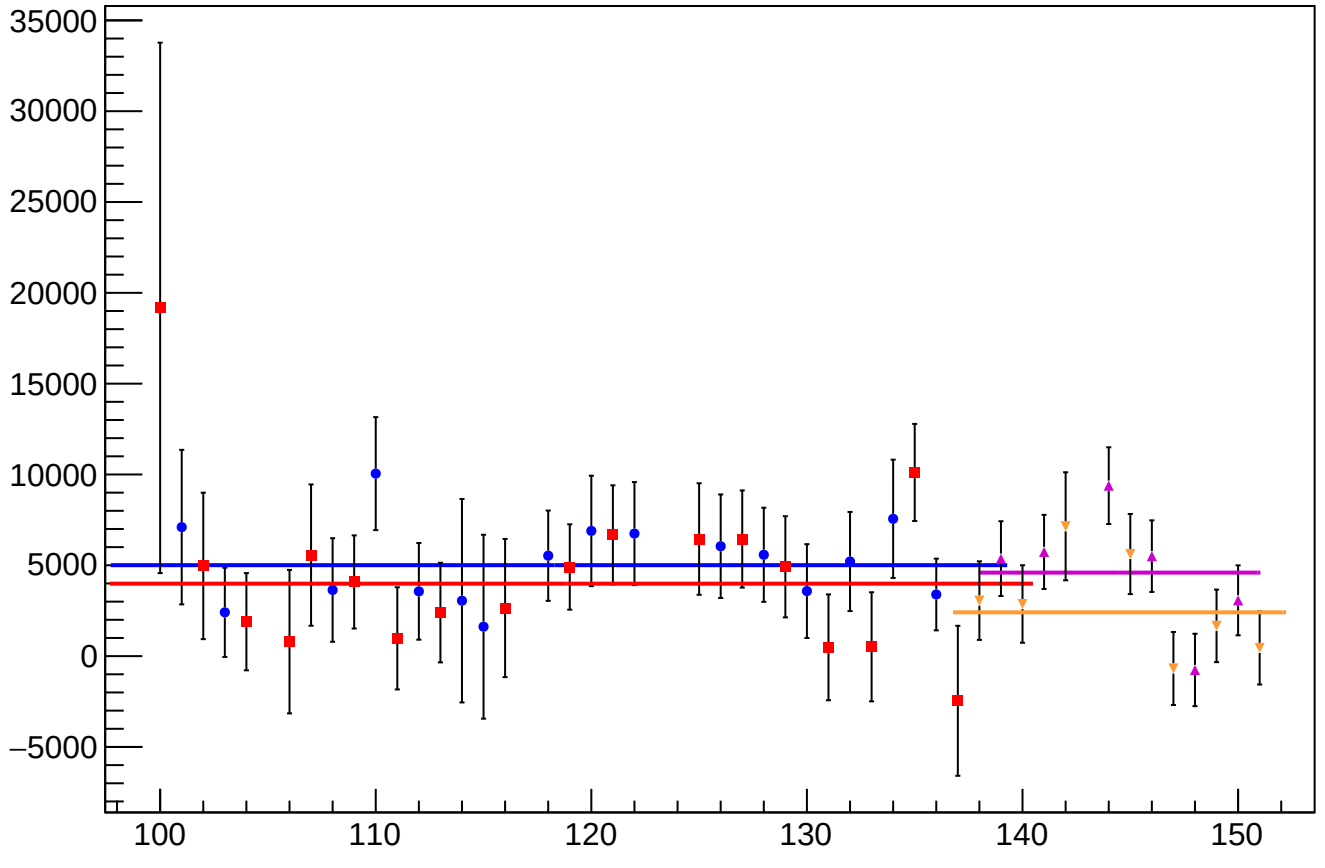
Left: 5741.623+/-1.261 χ^2/NDF: 380904.7/12

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5247.475+/-1.074 χ^2/NDF:951000.0/21

Out: 4850.250+/-1.000 χ^2/NDF:1701124.3/24

All: 5034.560+/-0.732 χ^2/NDF: 2725404.4/46



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2410.952+/-817.291 χ^2/NDF:8.2/6

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4598.009+/-822.226 χ^2/NDF:13.7/5

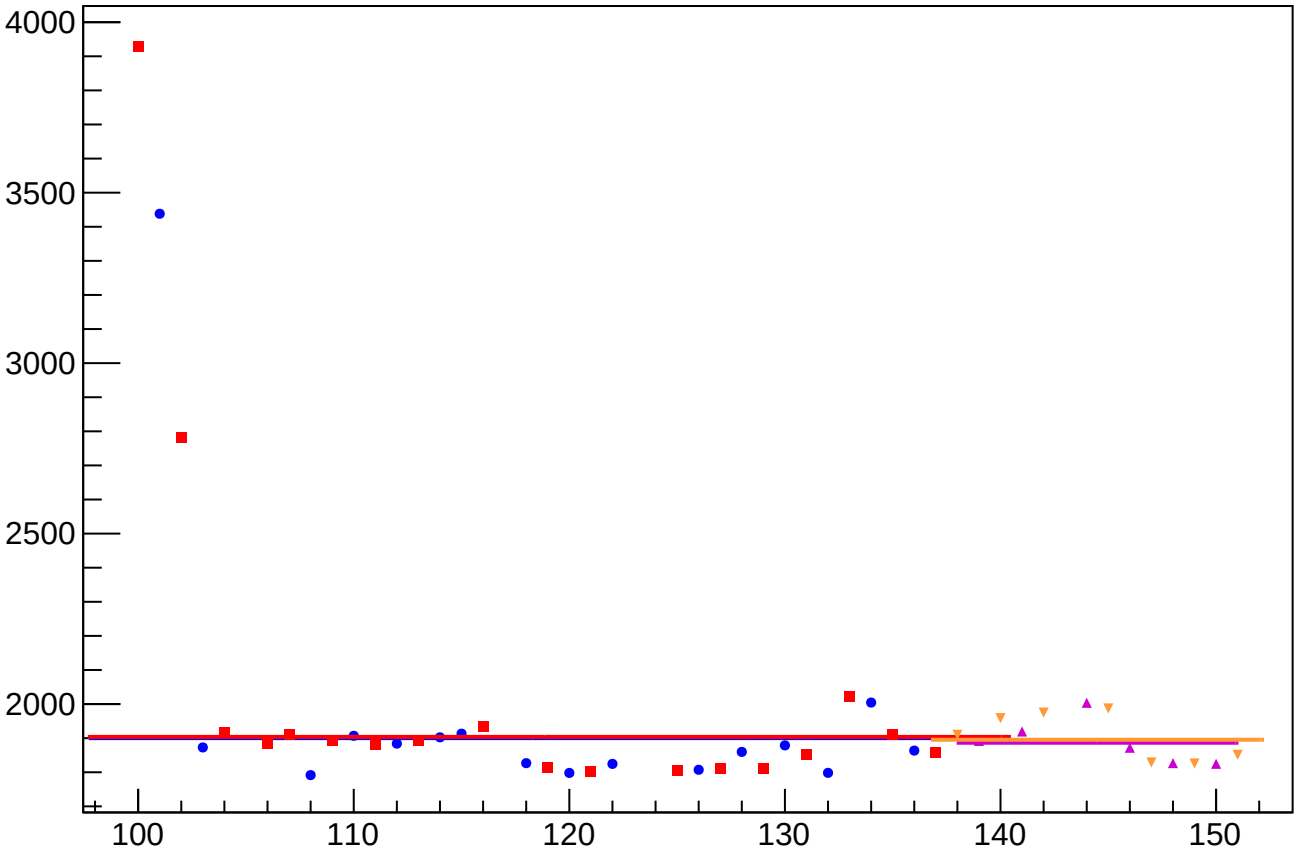
Left: 3497.897+/-579.649 χ^2/NDF: 25.5/12

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4831.337+/-539.133 χ^2/NDF:21.5/21

Out: 3300.609+/-539.844 χ^2/NDF:27.7/24

All: 4066.982+/-381.476 χ^2/NDF: 53.2/46



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1895.407+/-0.578 χ^2/NDF:12335.0/6

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1886.623+/-0.581 χ^2/NDF:10661.3/5

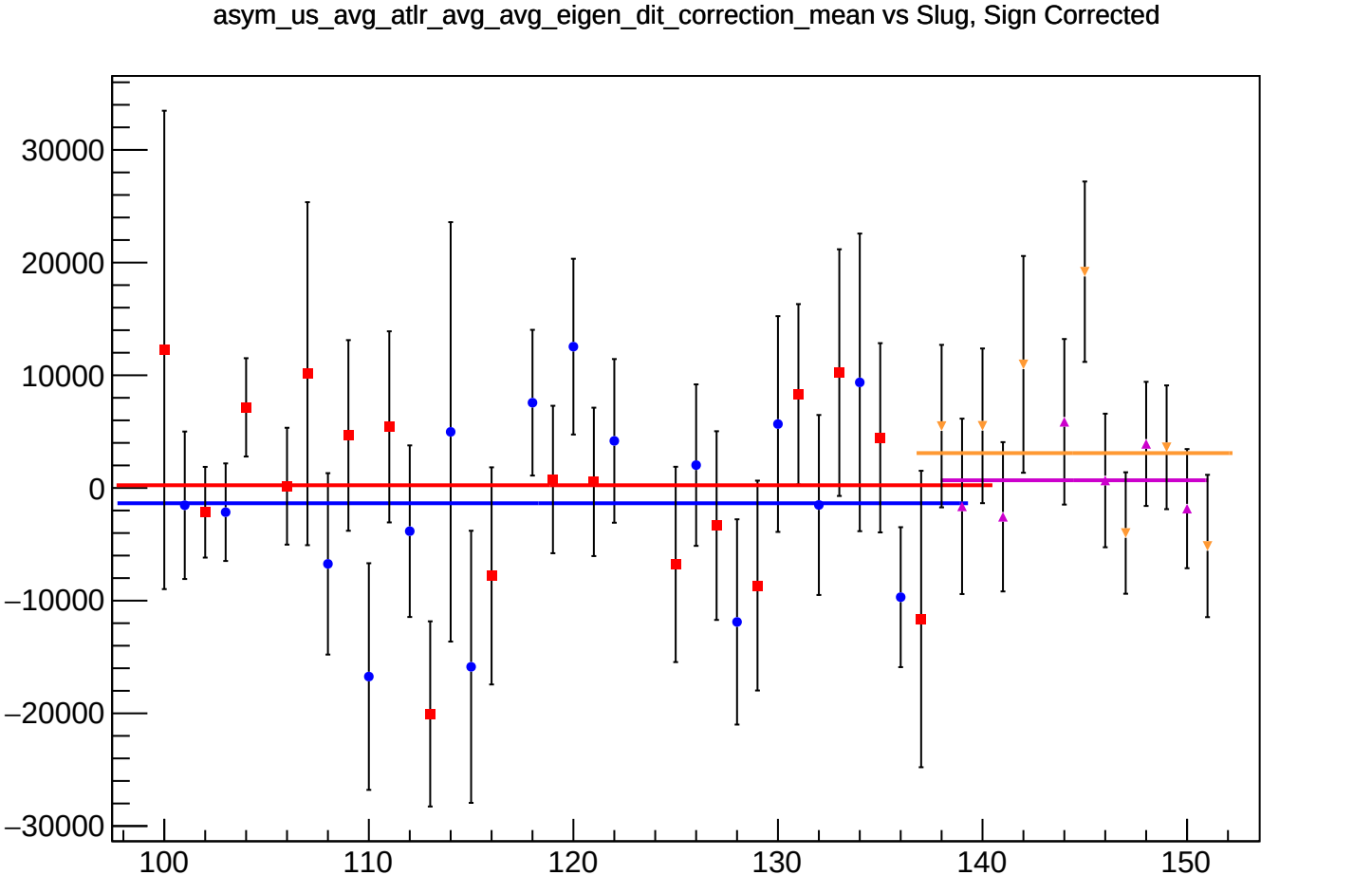
Left: 1891.041+/-0.410 χ^2/NDF: 23111.1/12

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

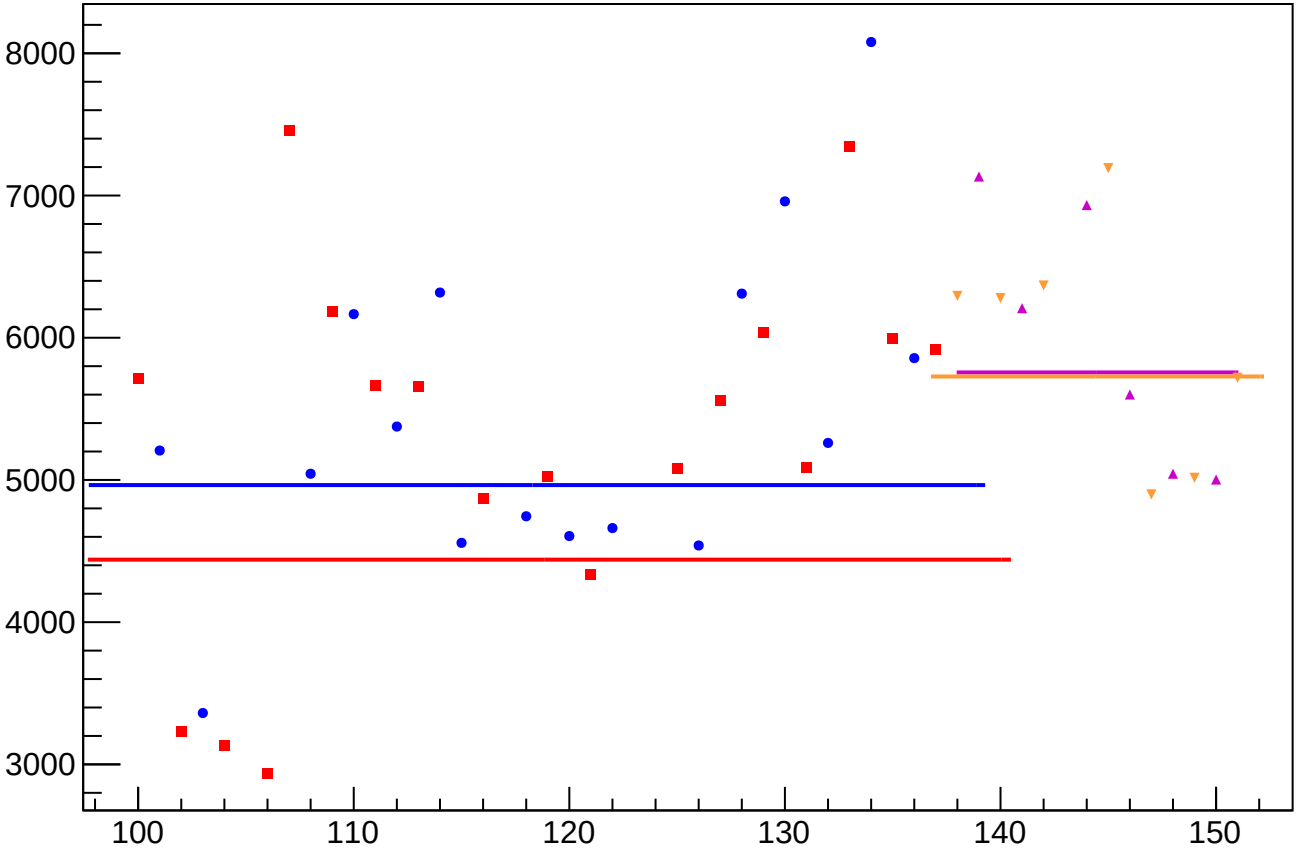
In: 1894.312+/-0.381 χ^2/NDF:289416.6/21

Out: 1900.157+/-0.381 χ^2/NDF:162569.9/24

All: 1897.232+/-0.270 χ^2/NDF: 452103.9/46


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: 3094.038+/-2503.550 χ²/NDF:8.4/6
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 682.647+/-2539.660 χ²/NDF:1.4/5
Left: 1905.608+/-1782.907 χ²/NDF: 10.2/12
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -626.799+/-1519.300 χ²/NDF:16.5/21
Out: 1150.646+/-1413.558 χ²/NDF:25.0/24
All: 325.925+/-1034.901 χ²/NDF: 42.3/46

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 5727.564+/-1.770 χ^2/NDF:182081.6/6

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 5756.105+/-1.796 χ^2/NDF:198697.4/5

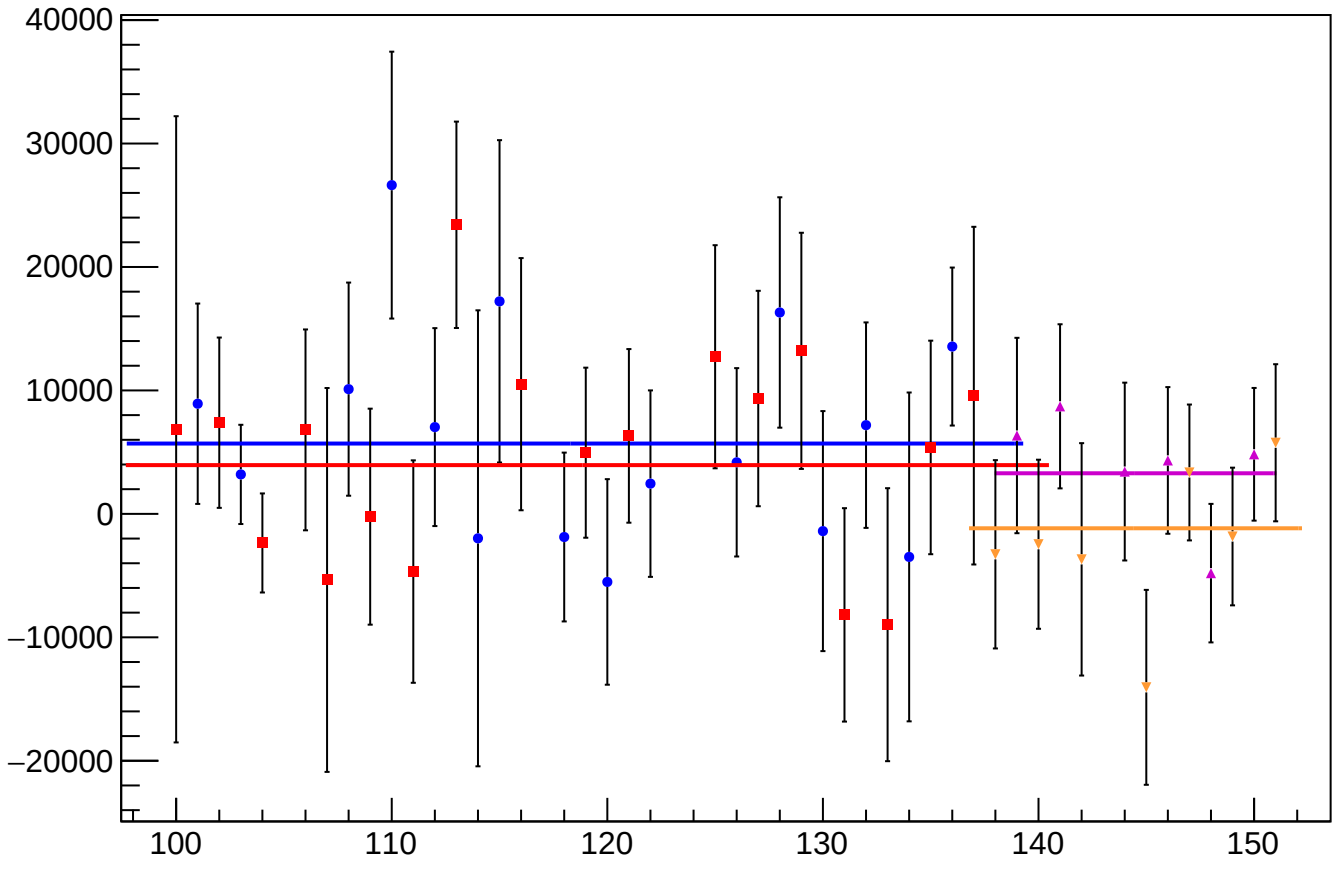
Left: 5741.630+/-1.261 χ^2/NDF: 380907.1/12

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5247.468+/-1.074 χ^2/NDF:951010.2/21

Out: 4850.243+/-1.000 χ^2/NDF:1701135.8/24

All: 5034.552+/-0.732 χ^2/NDF: 2725426.5/46



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: -1167.170+/-2534.202 χ^2/NDF:4.7/6

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3288.831+/-2559.826 χ^2/NDF:3.0/5

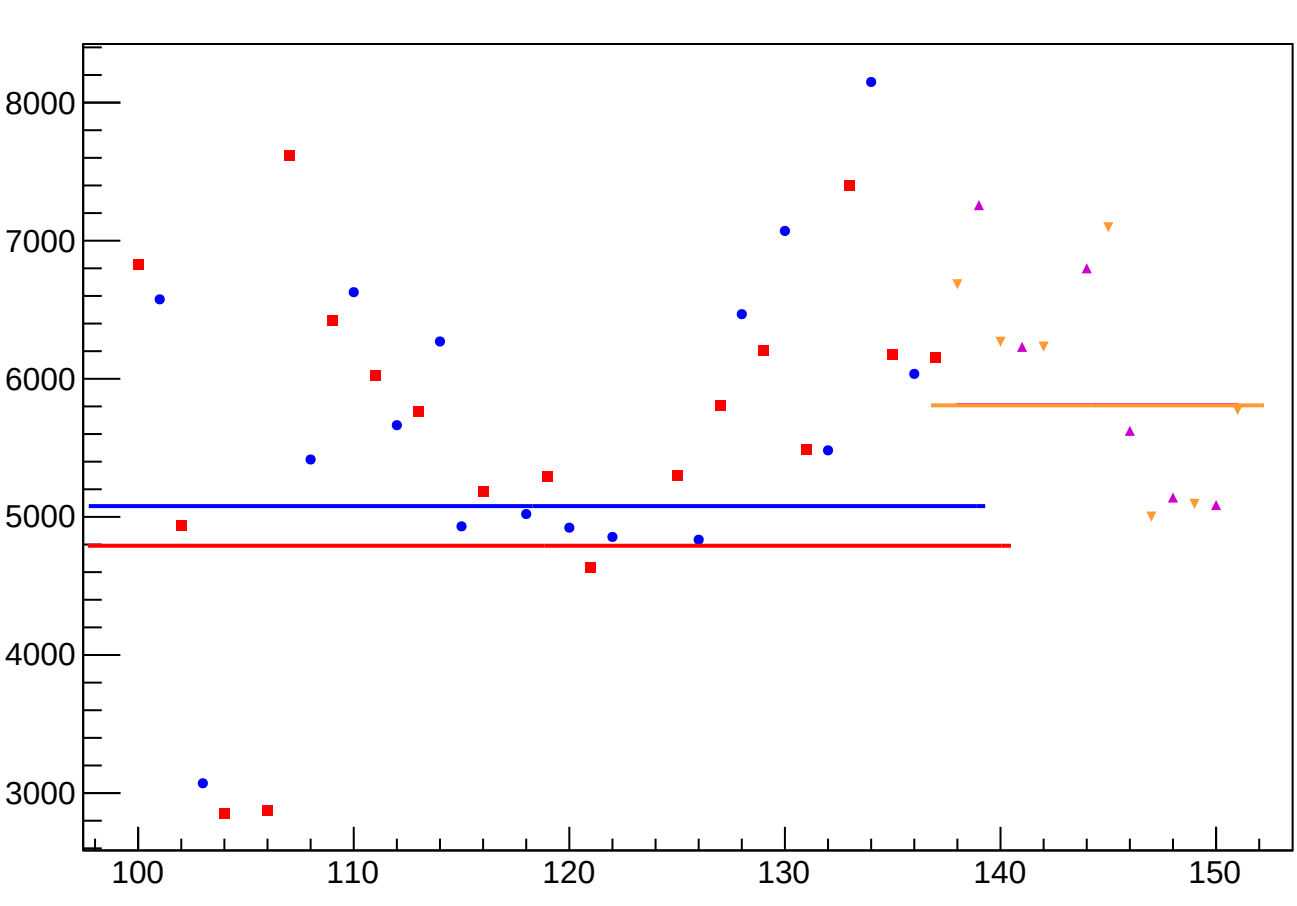
Left: 1038.417+/-1800.943 χ^2/NDF: 9.3/12

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4807.560+/-1555.818 χ^2/NDF:16.2/21

Out: 2082.765+/-1530.668 χ^2/NDF:23.4/24

All: 3422.961+/-1091.129 χ^2/NDF: 41.2/46



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 5807.909+/-1.792 χ^2/NDF:168498.6/6

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 5810.664+/-1.810 χ^2/NDF:179550.4/5

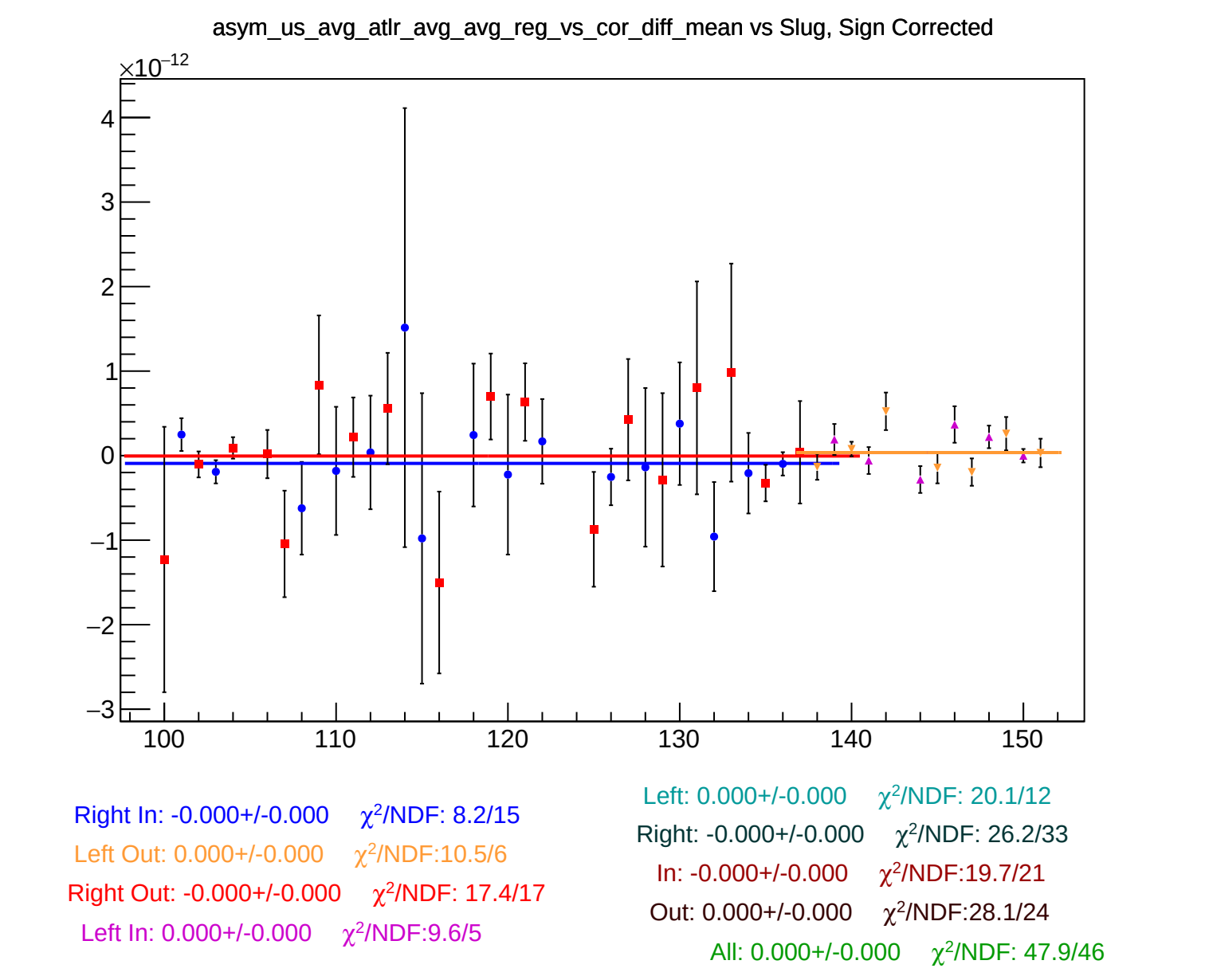
Left: 5809.273+/-1.273 χ^2/NDF: 348050.2/12

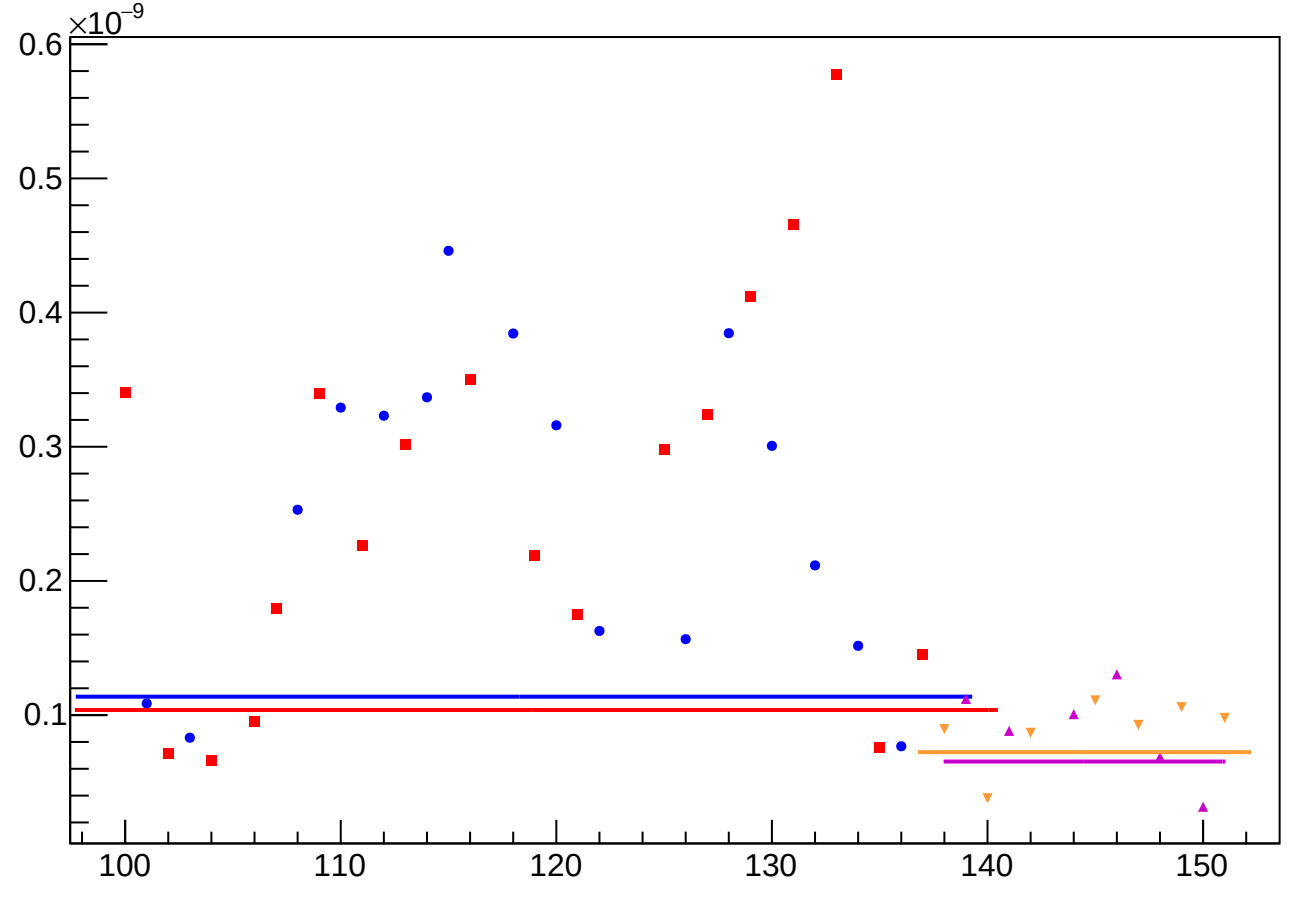
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5348.739+/-1.100 χ^2/NDF:1202034.3/21

Out: 5152.553+/-1.068 χ^2/NDF:1538464.6/24

All: 5247.773+/-0.766 χ^2/NDF: 2756865.8/46


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/6
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:9.6/5
Left: 0.000+/-0.000 χ²/NDF: 20.1/12
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:19.7/21
Out: 0.000+/-0.000 χ²/NDF:28.1/24
All: 0.000+/-0.000 χ²/NDF: 47.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:576038.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:808075.7/5

Left: 0.000+/-0.000 χ^2/NDF: 1400542.1/12

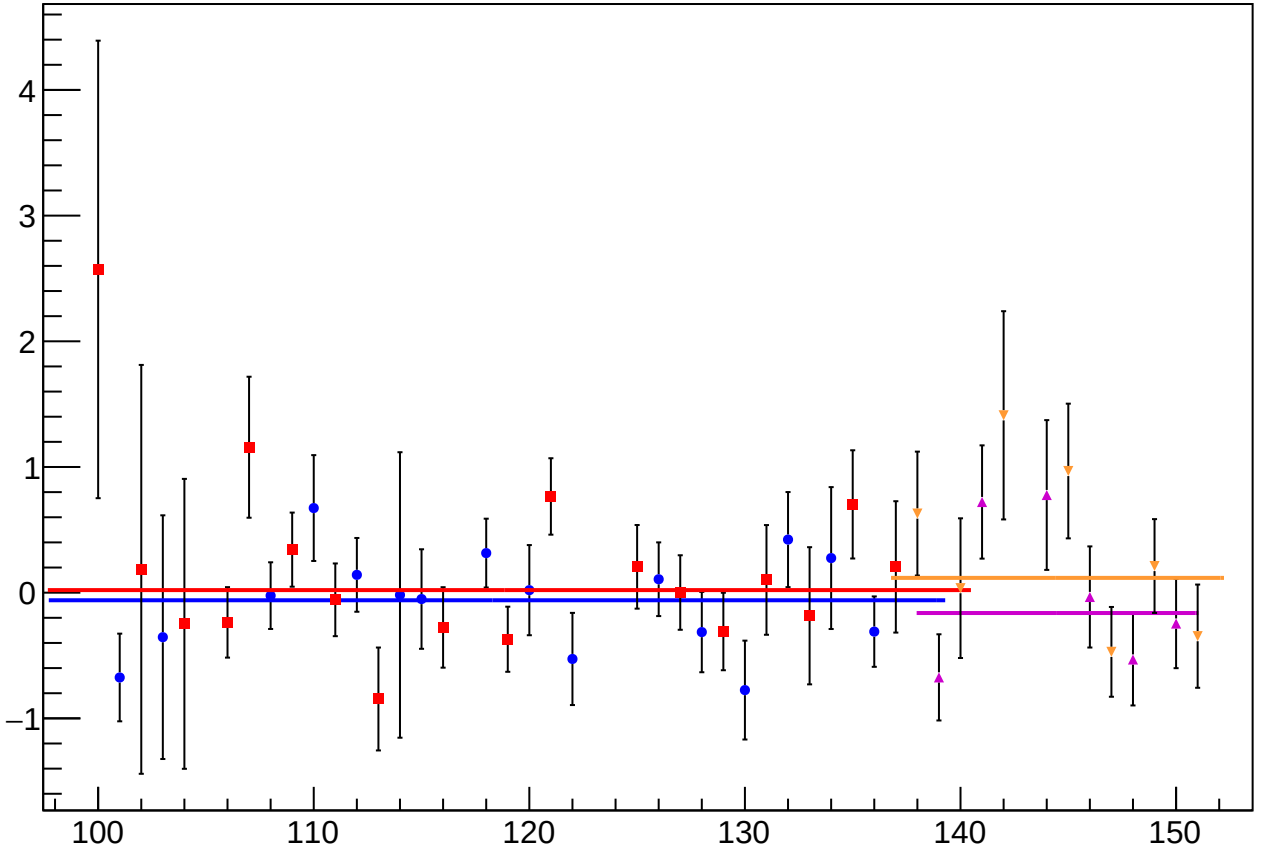
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:2854294.9/21

Out: 0.000+/-0.000 χ^2/NDF:2882740.2/24

All: 0.000+/-0.000 χ^2/NDF: 5739007.9/46

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: 0.118+/-0.173 χ^2/NDF:10.1/6

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.163 χ^2/NDF:9.7/5

Left: -0.031+/-0.119 χ^2/NDF: 21.2/12

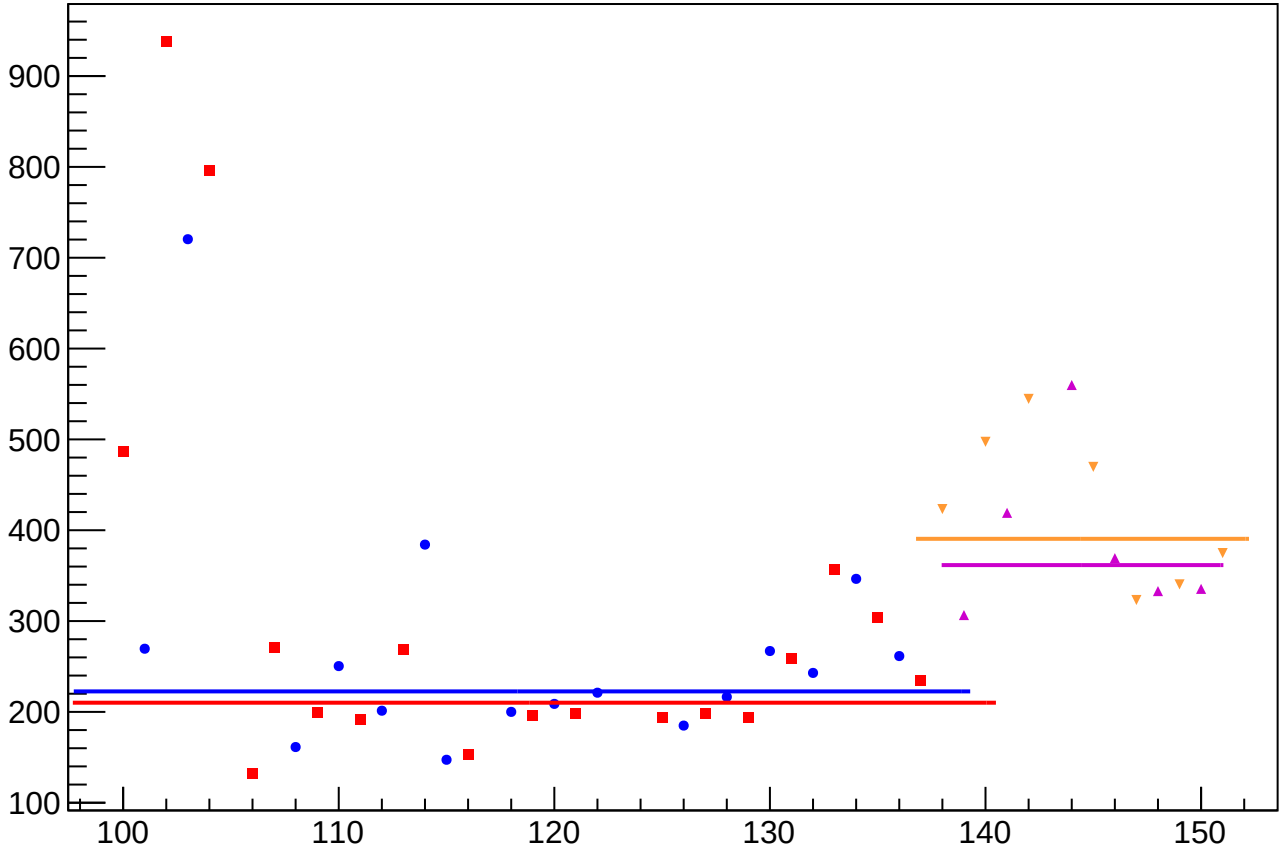
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.084+/-0.078 χ^2/NDF:27.3/21

Out: 0.040+/-0.078 χ^2/NDF:36.5/24

All: -0.022+/-0.055 χ^2/NDF: 65.1/46

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 390.551+/-0.123 χ^2/NDF:305692.1/6

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 361.619+/-0.115 χ^2/NDF:329375.9/5

Left: 375.149+/-0.084 χ^2/NDF: 664691.7/12

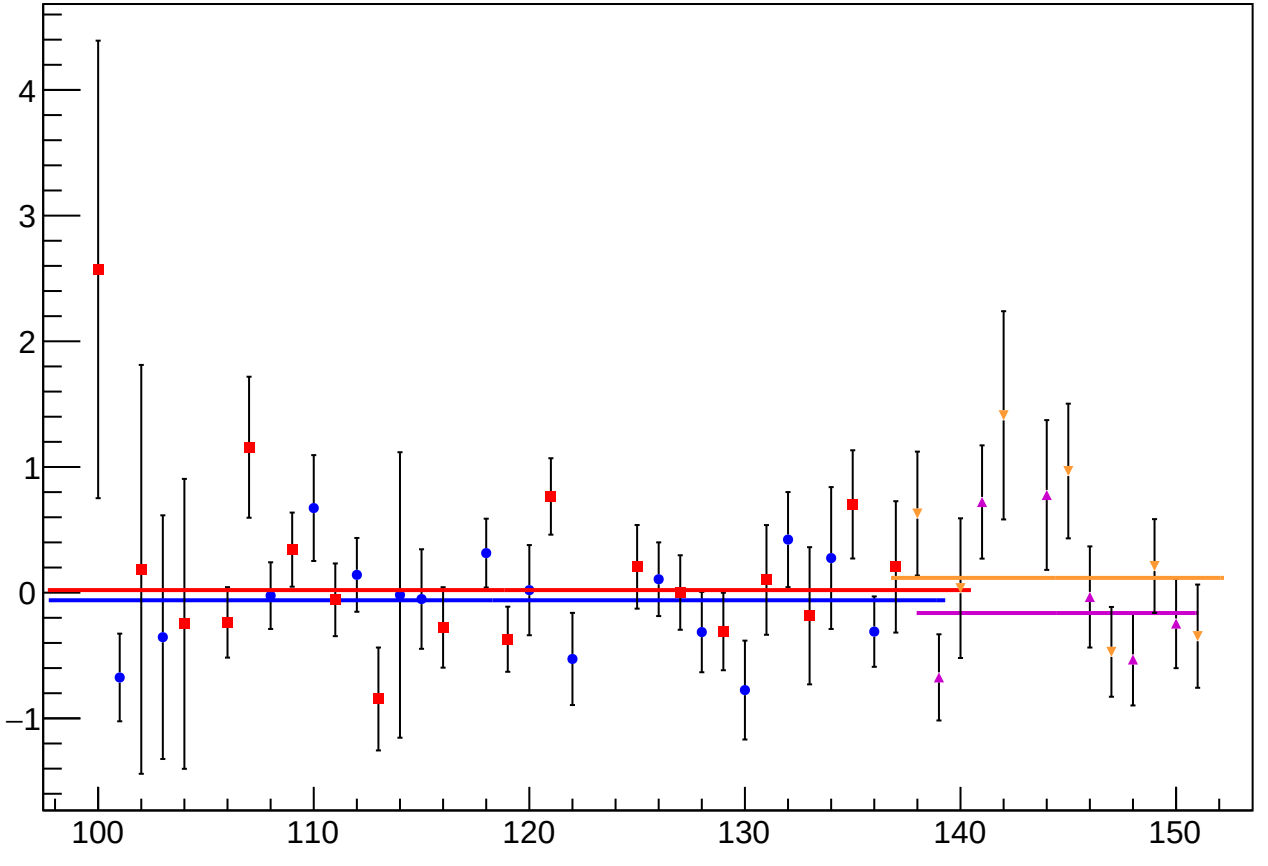
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 254.445+/-0.055 χ^2/NDF:2475953.0/21

Out: 246.678+/-0.055 χ^2/NDF:3579942.0/24

All: 250.573+/-0.039 χ^2/NDF: 6065821.1/46

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: 0.118+/-0.173 χ^2/NDF:10.1/6

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.163 χ^2/NDF:9.7/5

Left: -0.031+/-0.119 χ^2/NDF: 21.2/12

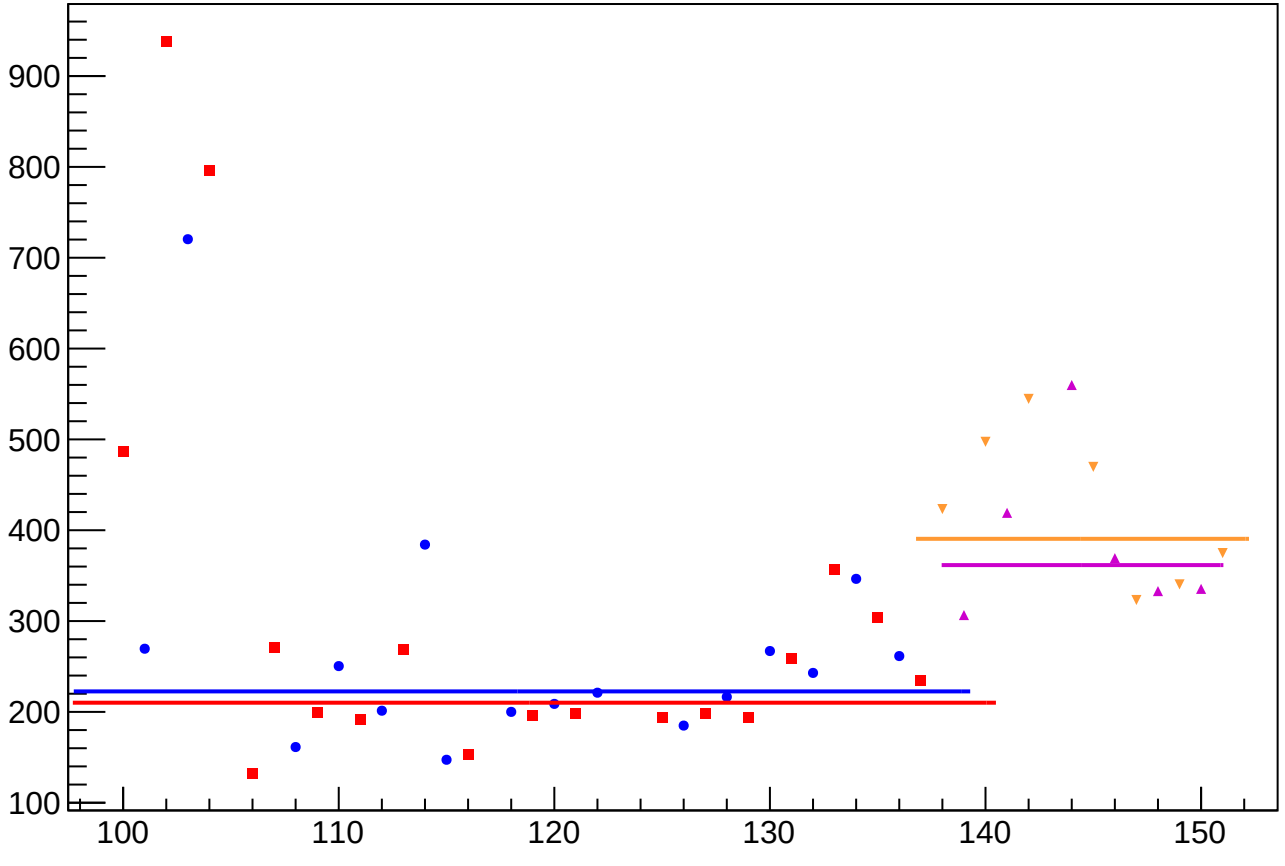
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.084+/-0.078 χ^2/NDF:27.3/21

Out: 0.040+/-0.078 χ^2/NDF:36.5/24

All: -0.022+/-0.055 χ^2/NDF: 65.1/46

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 390.551+/-0.123 χ^2/NDF:305692.1/6

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 361.619+/-0.115 χ^2/NDF:329375.9/5

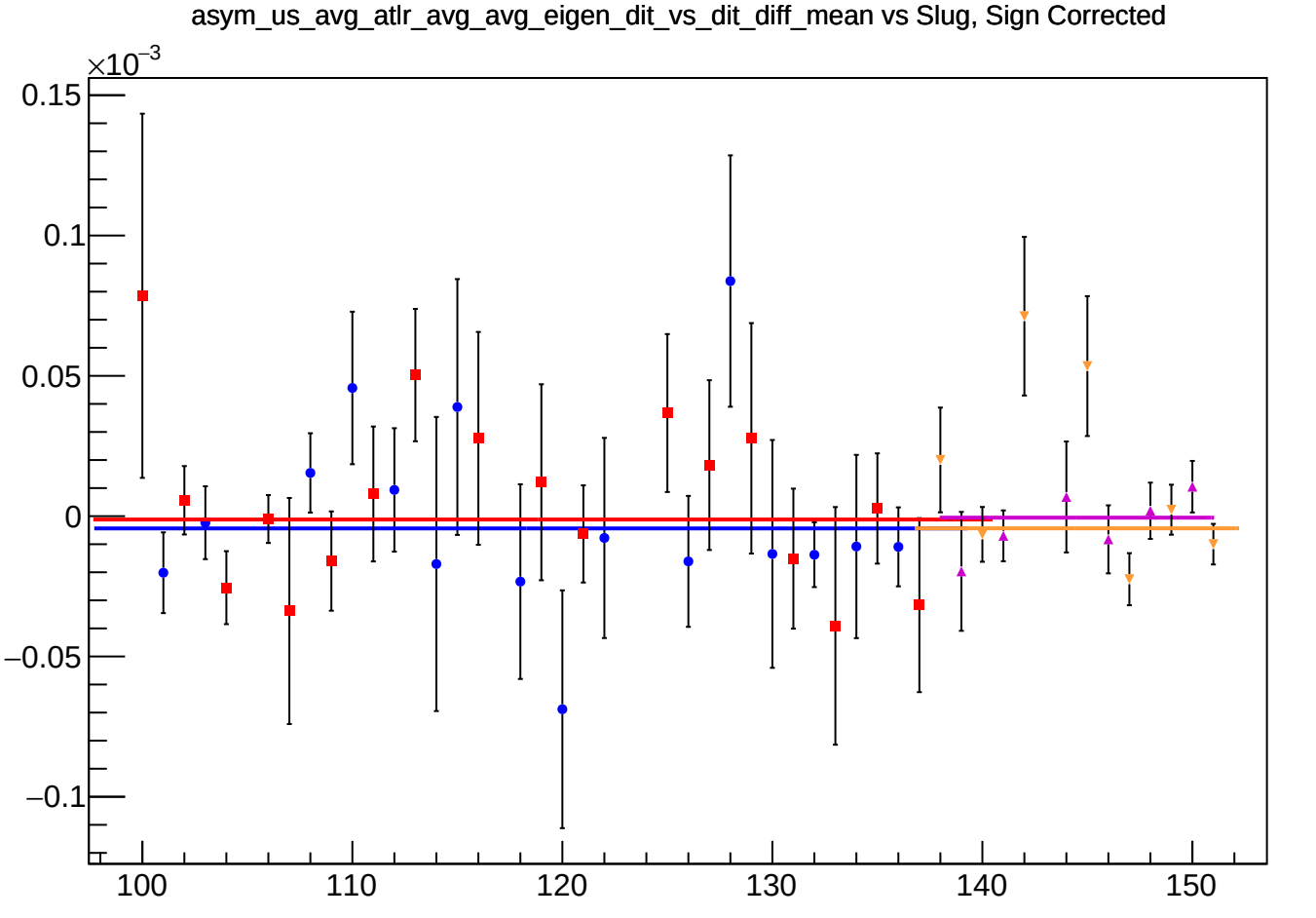
Left: 375.149+/-0.084 χ^2/NDF: 664691.7/12

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 254.445+/-0.055 χ^2/NDF:2475953.0/21

Out: 246.678+/-0.055 χ^2/NDF:3579942.0/24

All: 250.573+/-0.039 χ^2/NDF: 6065821.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:3.4/5

Left: -0.000+/-0.000 χ^2/NDF: 23.0/12

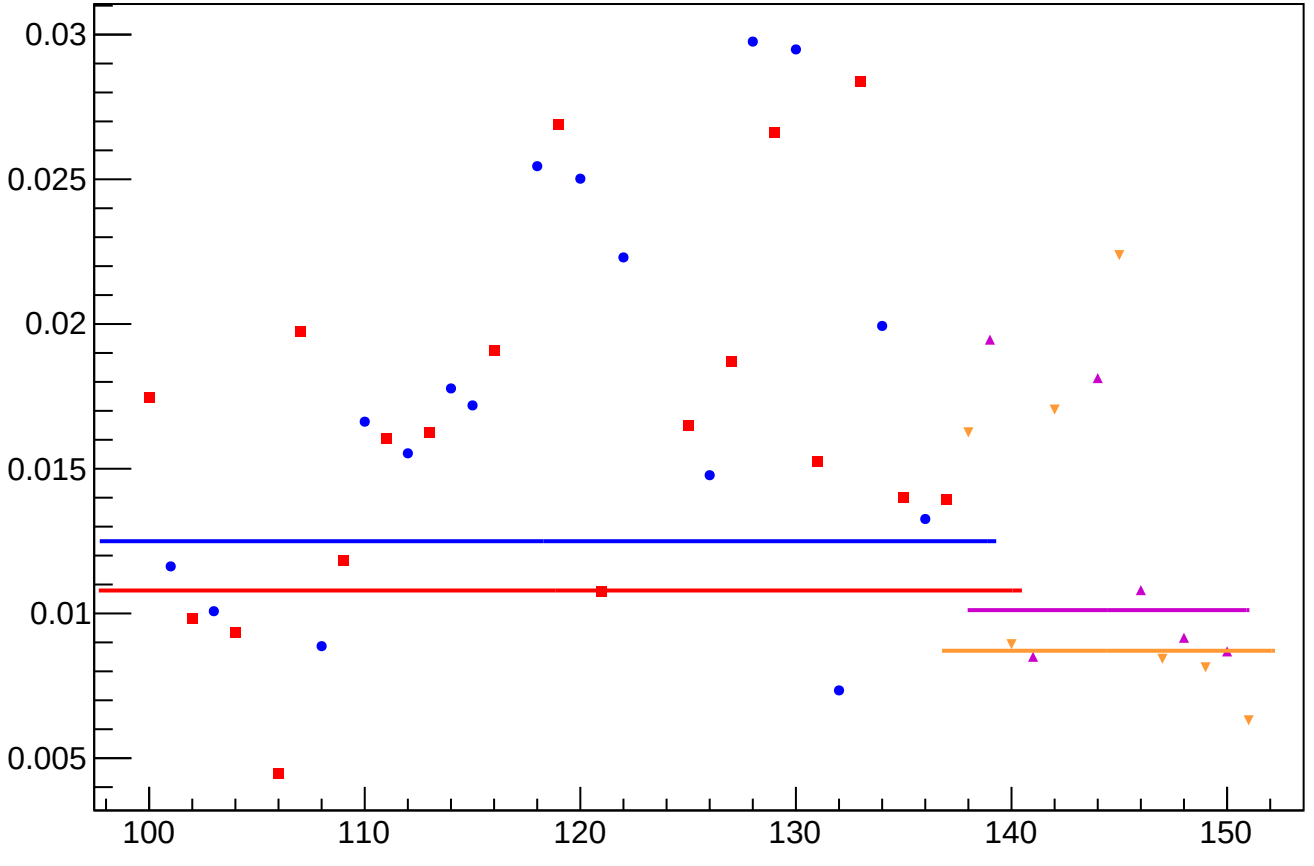
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:19.3/21

Out: -0.000+/-0.000 χ^2/NDF:36.8/24

All: -0.000+/-0.000 χ^2/NDF: 56.1/46

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: 0.009+/-0.000 χ^2/NDF:1334530.8/6

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.010+/-0.000 χ^2/NDF:854277.4/5

Left: 0.009+/-0.000 χ^2/NDF: 2290574.5/12

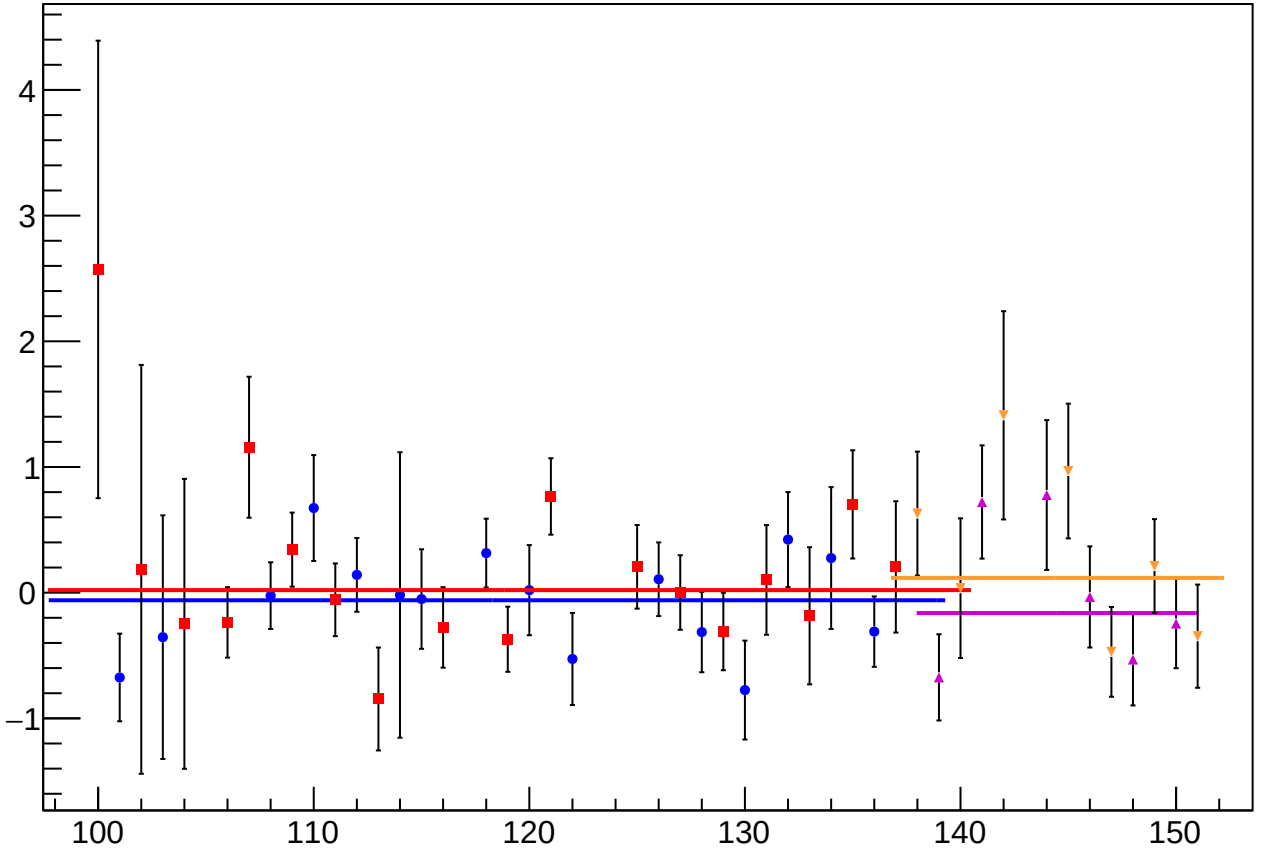
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.011+/-0.000 χ^2/NDF:3206551.2/21

Out: 0.010+/-0.000 χ^2/NDF:4551514.1/24

All: 0.010+/-0.000 χ^2/NDF: 7991227.6/46

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: 0.118+/-0.173 χ^2/NDF:10.1/6

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.163 χ^2/NDF:9.7/5

Left: -0.031+/-0.119 χ^2/NDF: 21.2/12

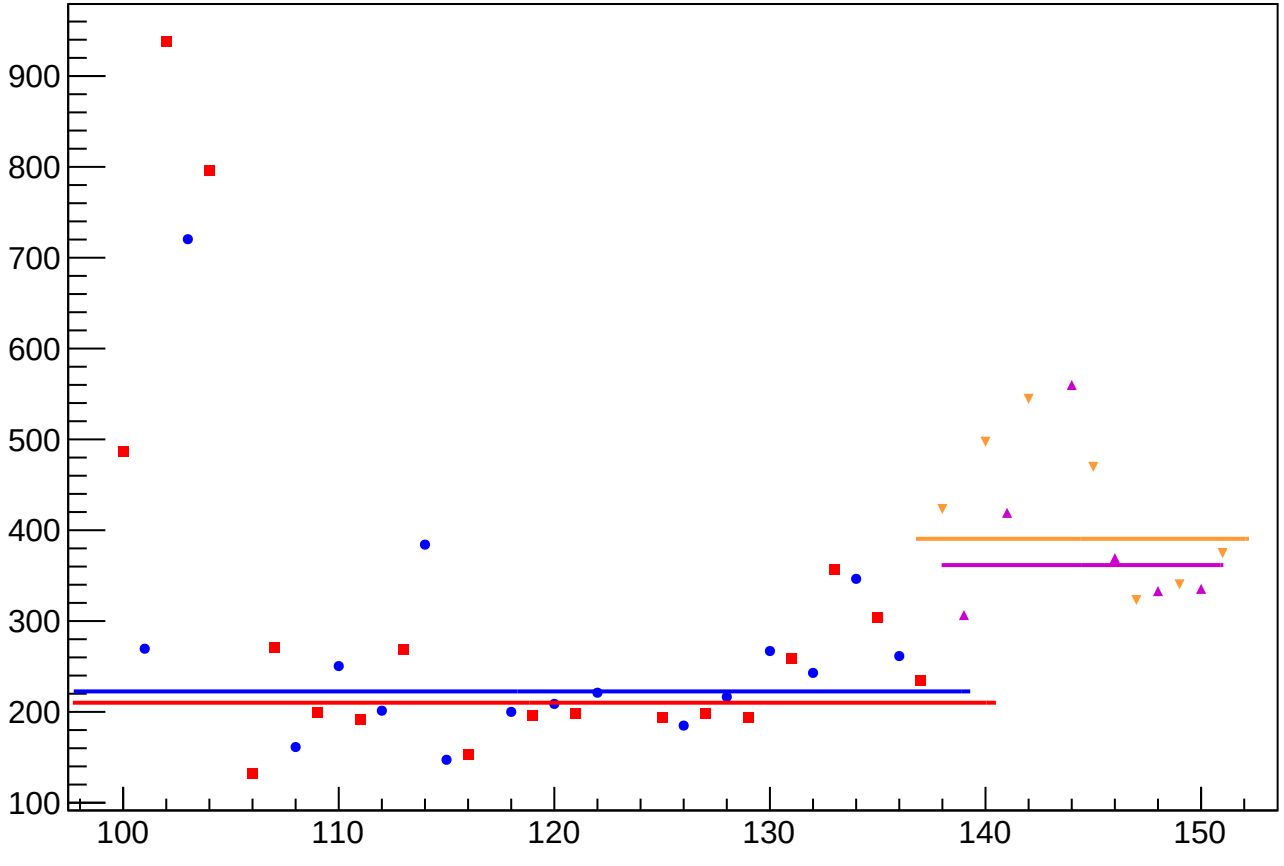
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.084+/-0.078 χ^2/NDF:27.3/21

Out: 0.040+/-0.078 χ^2/NDF:36.5/24

All: -0.022+/-0.055 χ^2/NDF: 65.1/46

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: 390.555+/-0.123 χ^2/NDF:305692.5/6

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 361.624+/-0.115 χ^2/NDF:329367.4/5

Left: 375.154+/-0.084 χ^2/NDF: 664680.3/12

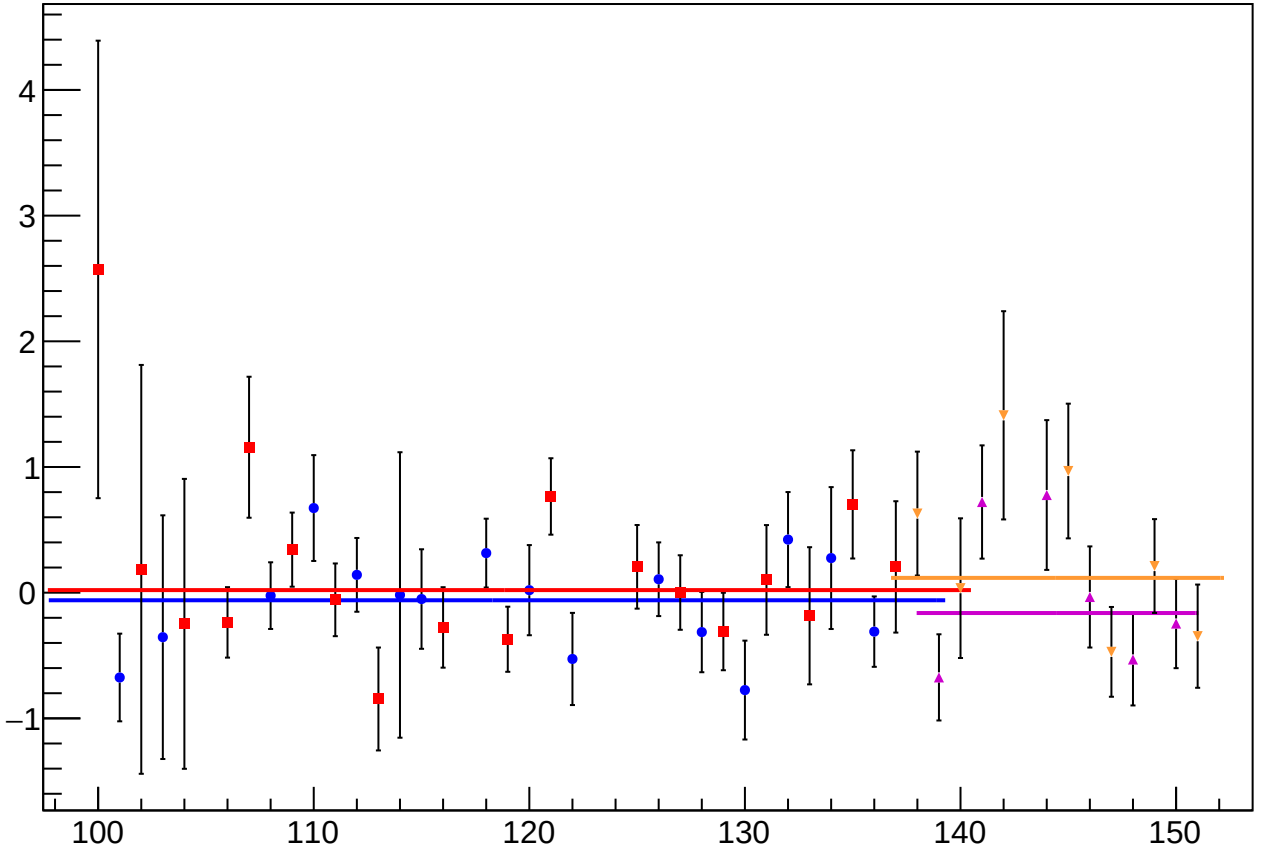
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 254.444+/-0.055 χ^2/NDF:2476024.0/21

Out: 246.676+/-0.055 χ^2/NDF:3580031.6/24

All: 250.572+/-0.039 χ^2/NDF: 6065985.1/46

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: 0.118+/-0.173 χ^2/NDF:10.1/6

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.162+/-0.163 χ^2/NDF:9.7/5

Left: -0.031+/-0.119 χ^2/NDF: 21.2/12

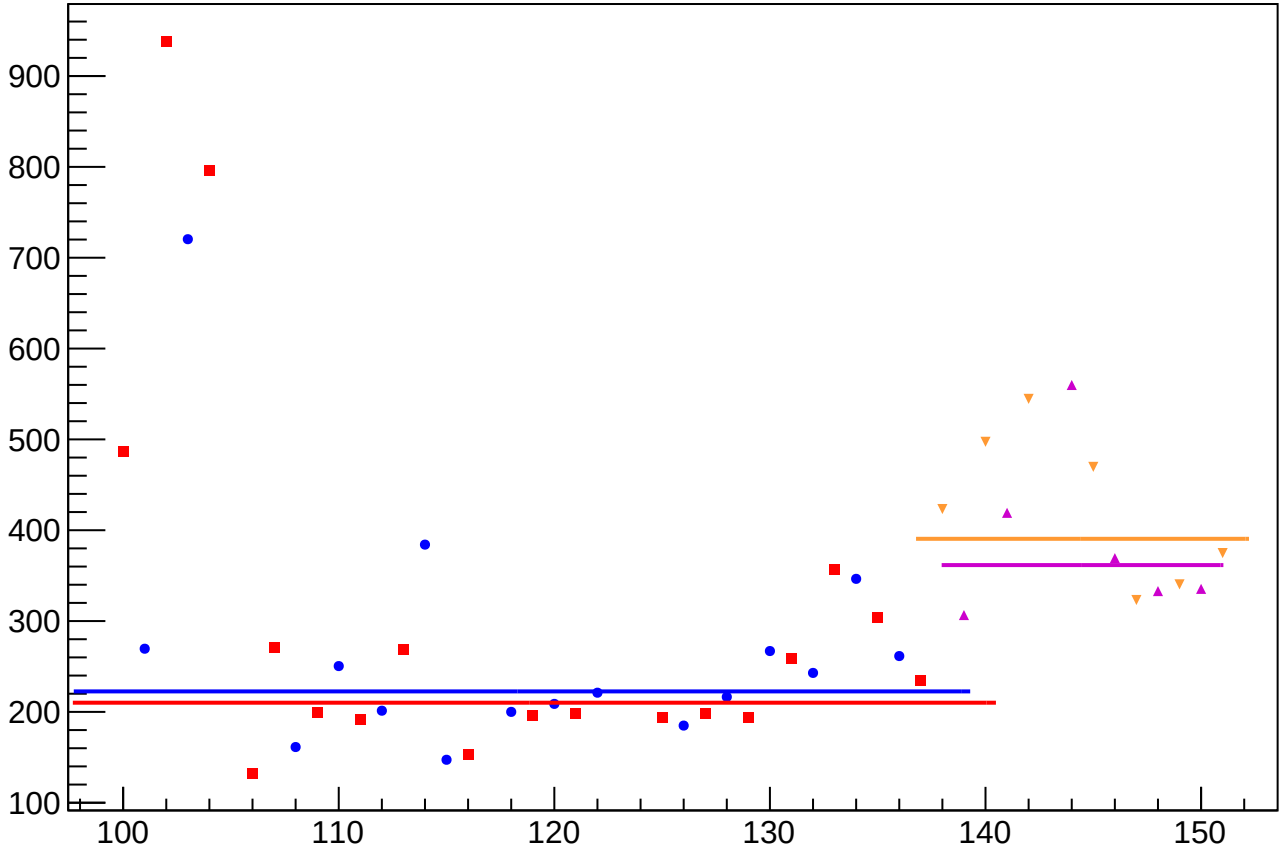
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.084+/-0.078 χ^2/NDF:27.3/21

Out: 0.040+/-0.078 χ^2/NDF:36.5/24

All: -0.022+/-0.055 χ^2/NDF: 65.1/46

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: 390.555+/-0.123 χ^2/NDF:305692.5/6

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 361.624+/-0.115 χ^2/NDF:329367.4/5

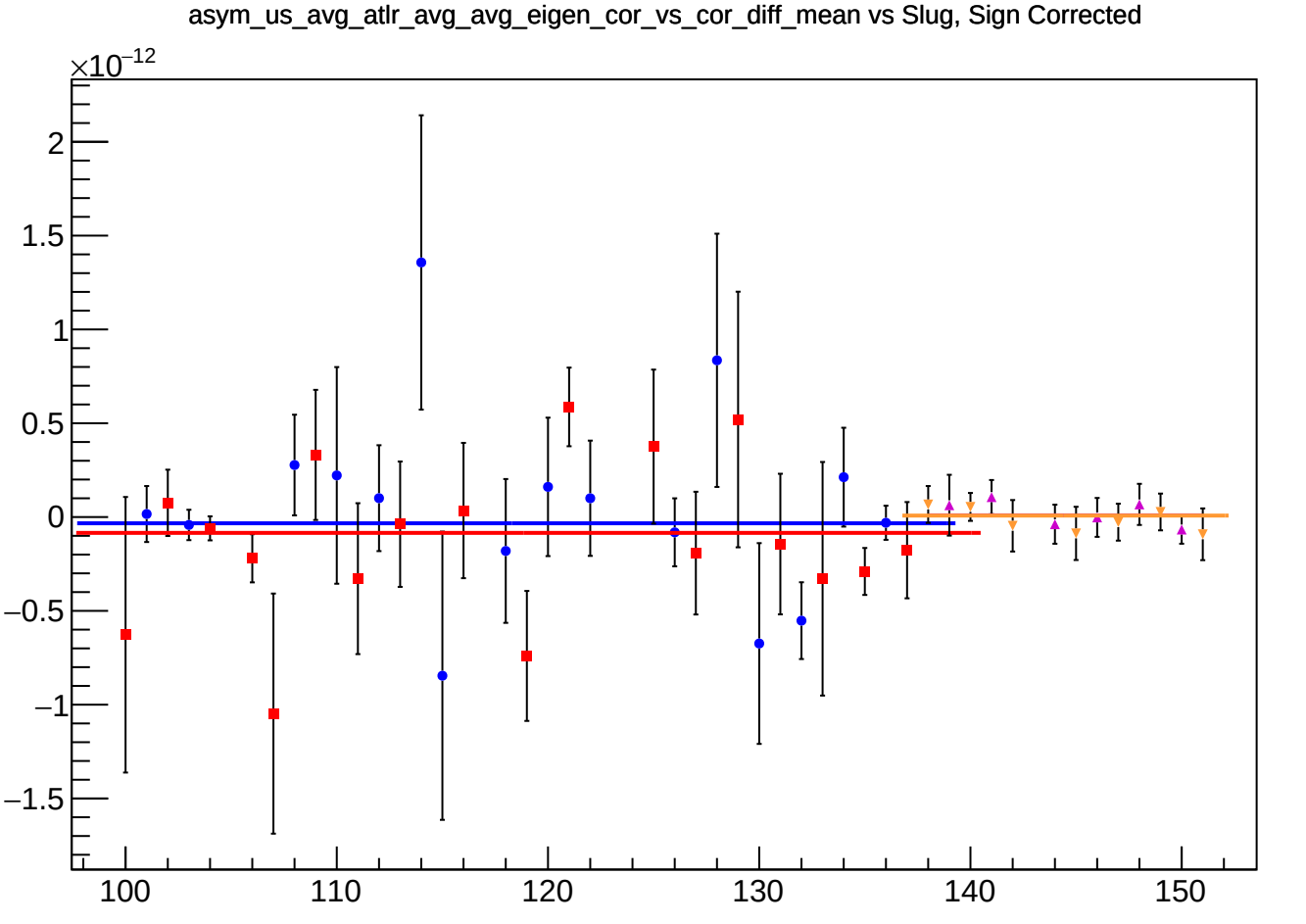
Left: 375.154+/-0.084 χ^2/NDF: 664680.3/12

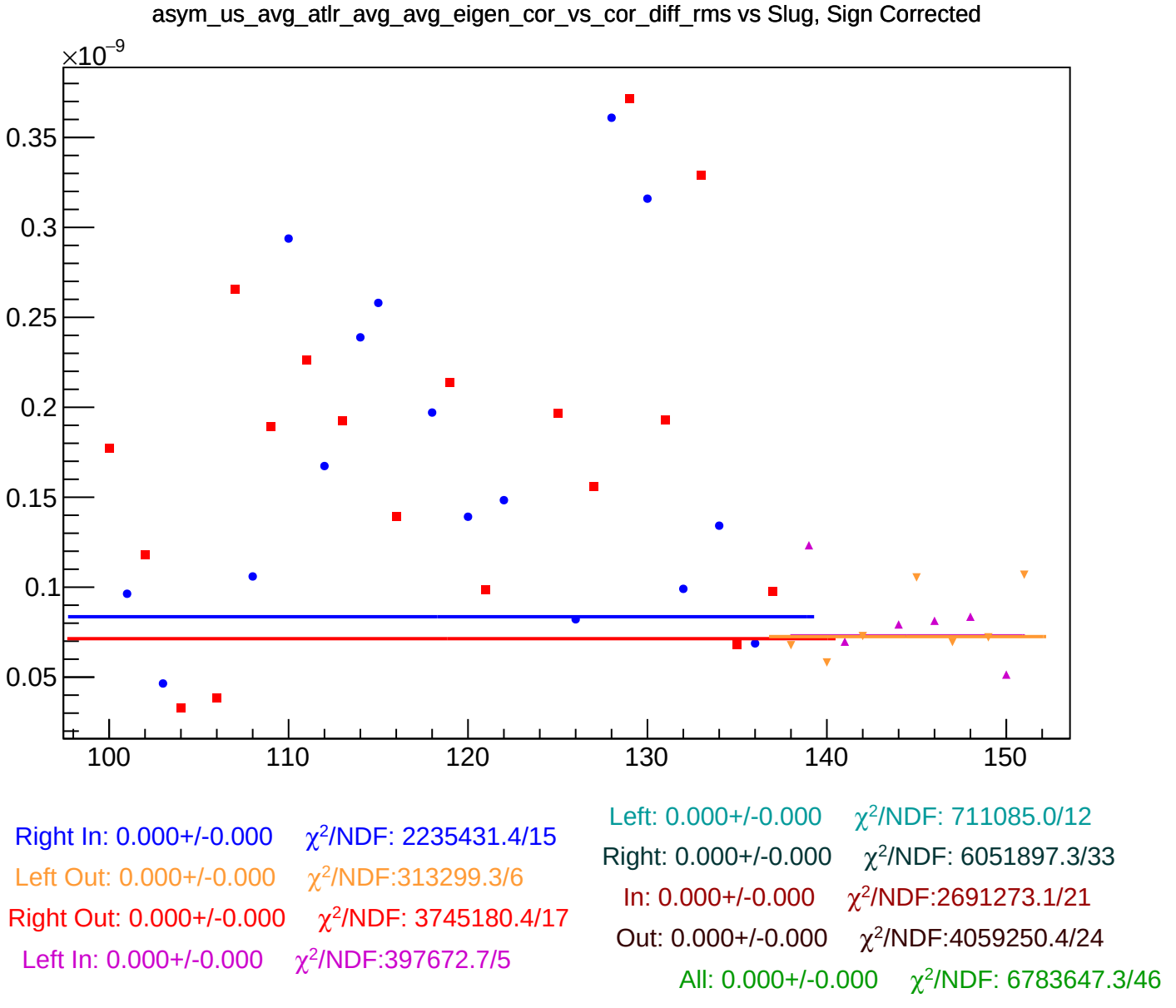
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

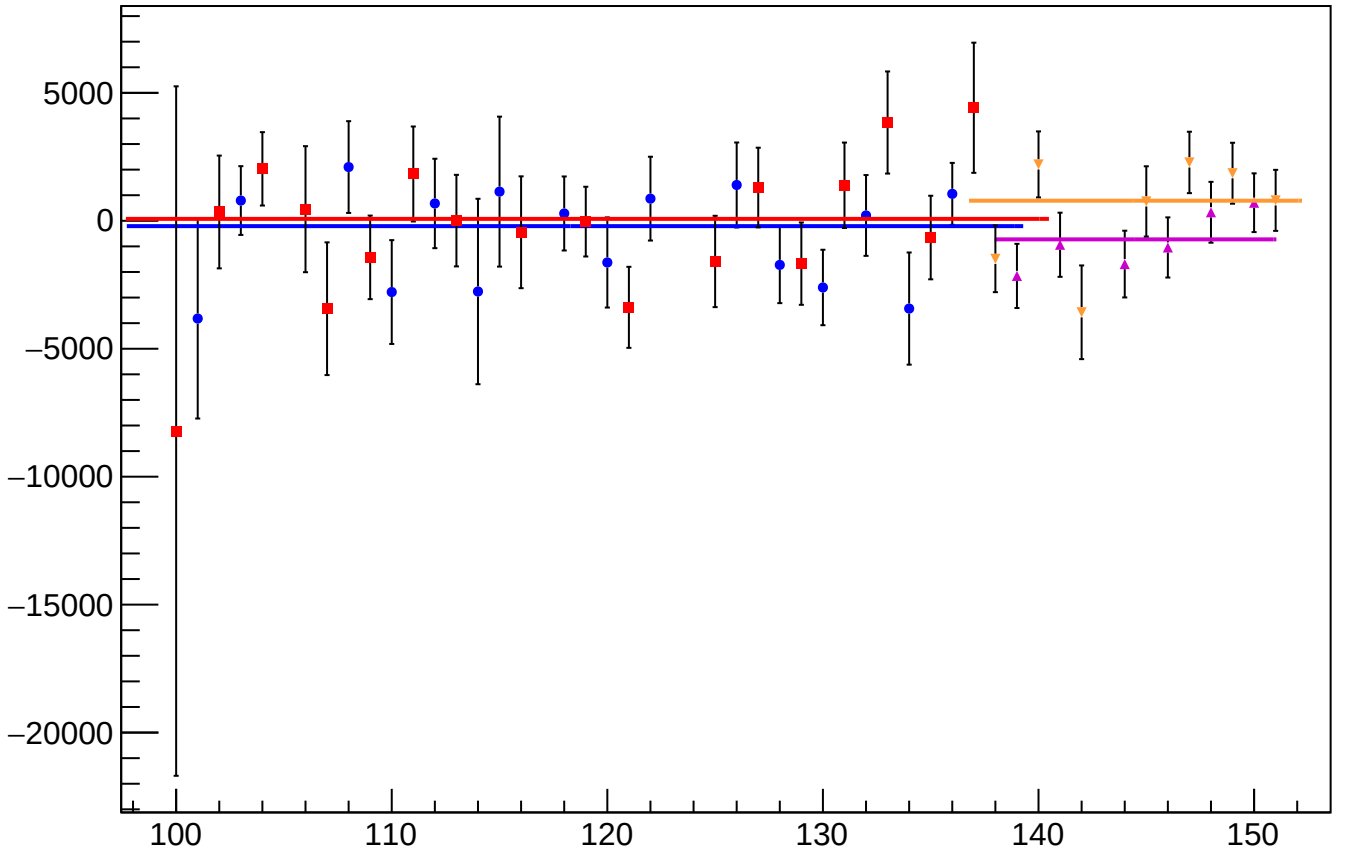
In: 254.444+/-0.055 χ^2/NDF:2476024.0/21

Out: 246.676+/-0.055 χ^2/NDF:3580031.6/24

All: 250.572+/-0.039 χ^2/NDF: 6065985.1/46


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2.0/6
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: 0.000+/-0.000 χ²/NDF:2.8/5
Left: 0.000+/-0.000 χ²/NDF: 4.8/12
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:20.4/21
Out: -0.000+/-0.000 χ²/NDF:30.3/24
All: -0.000+/-0.000 χ²/NDF: 51.1/46


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:313299.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:397672.7/5
Left: 0.000+/-0.000 χ²/NDF: 711085.0/12
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:2691273.1/21
Out: 0.000+/-0.000 χ²/NDF:4059250.4/24
All: 0.000+/-0.000 χ²/NDF: 6783647.3/46



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 786.194+/-492.580 χ^2/NDF:12.3/6

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -725.771+/-496.892 χ^2/NDF:4.3/5

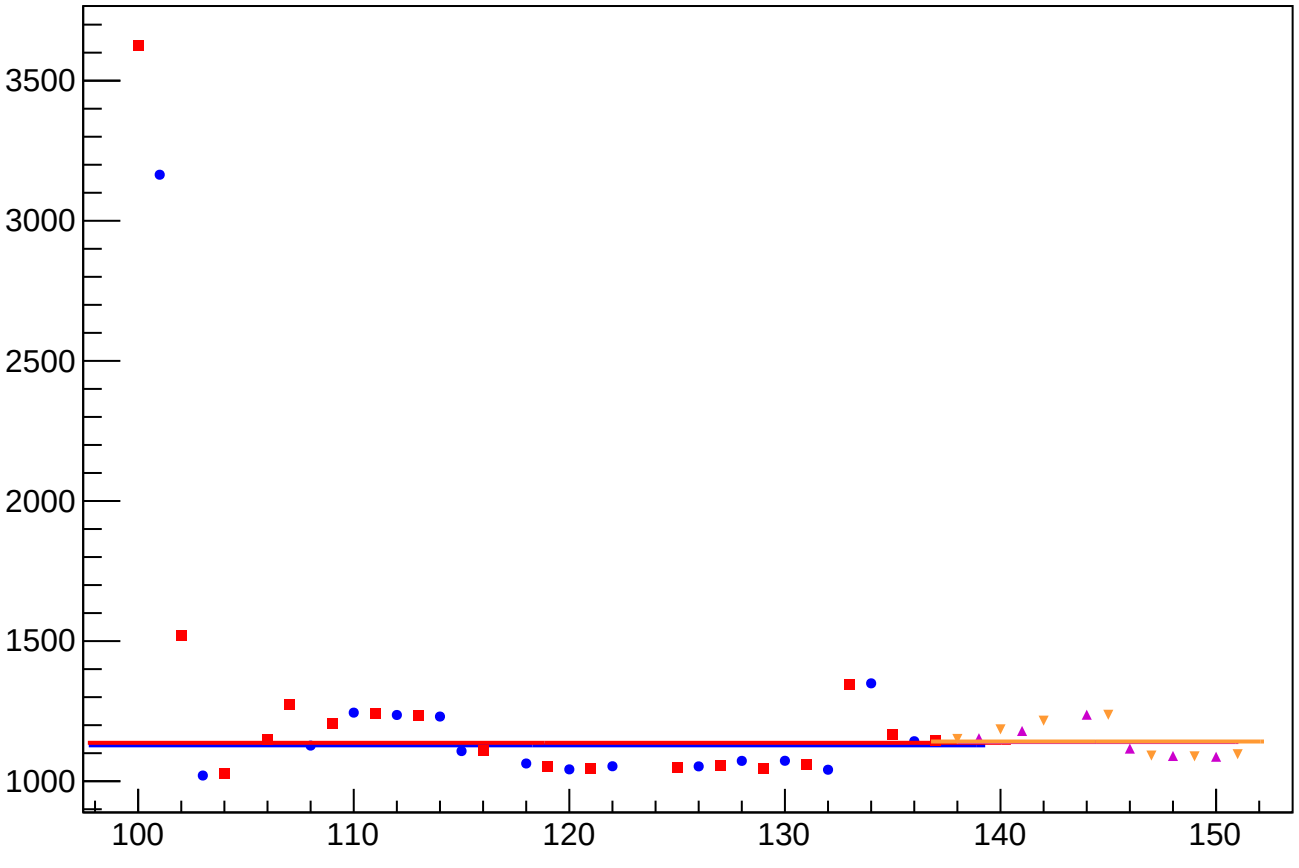
Left: 36.800+/-349.821 χ^2/NDF: 21.3/12

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -429.407+/-324.787 χ^2/NDF:19.7/21

Out: 383.542+/-324.261 χ^2/NDF:34.1/24

All: -22.273+/-229.473 χ^2/NDF: 56.9/46



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1141.661+/-0.348 χ^2/NDF:25663.0/6

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1139.659+/-0.351 χ^2/NDF:21878.7/5

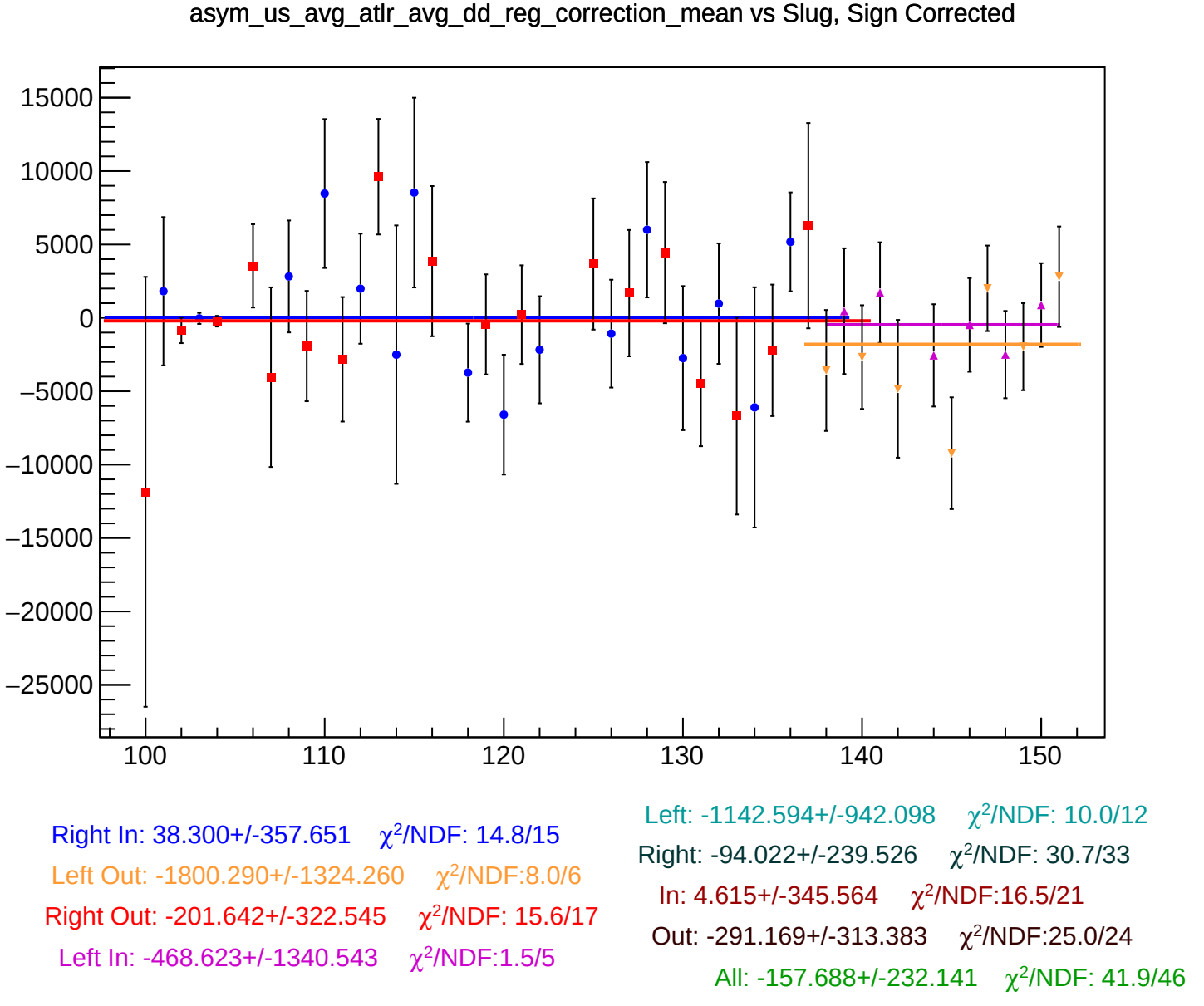
Left: 1140.669+/-0.247 χ^2/NDF: 47558.2/12

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

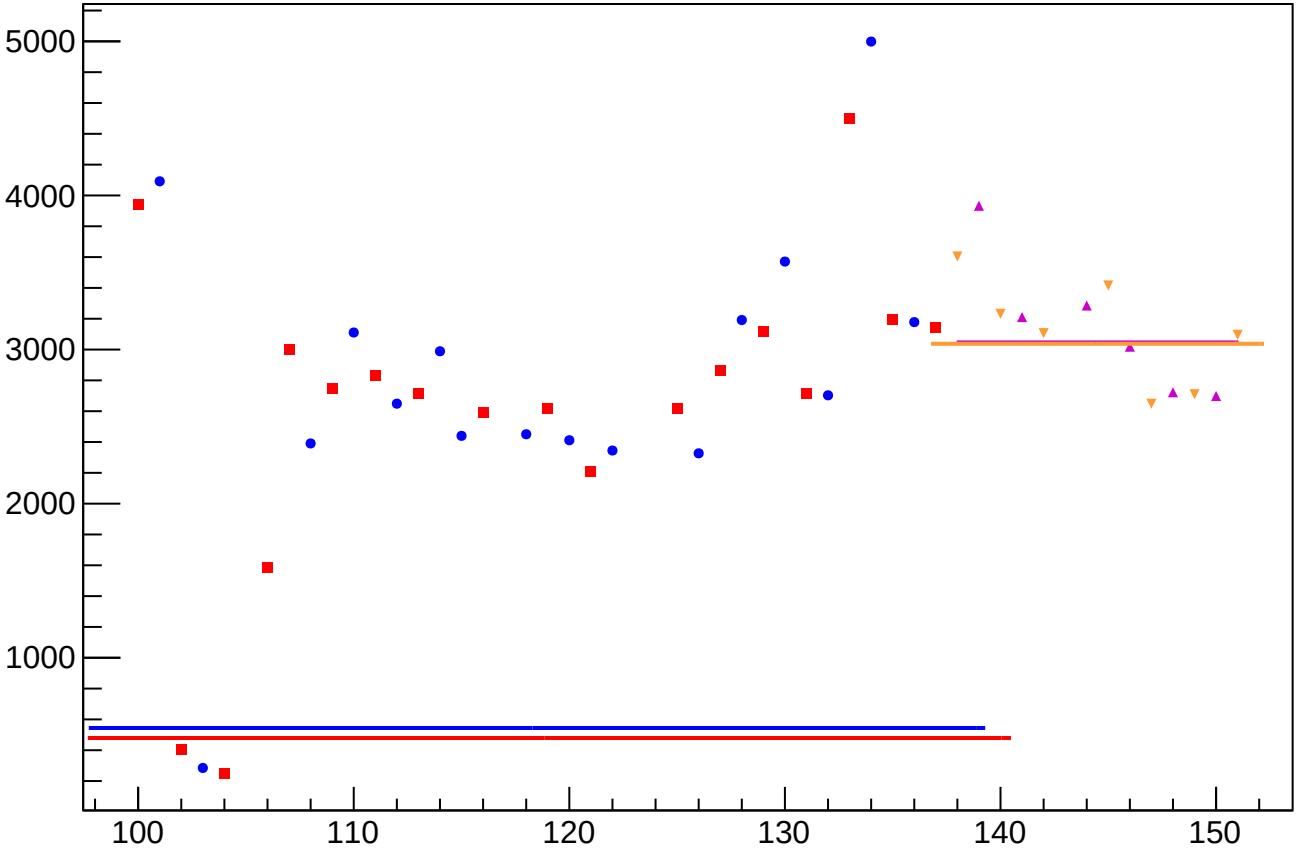
In: 1132.985+/-0.230 χ^2/NDF:643903.1/21

Out: 1139.039+/-0.229 χ^2/NDF:245849.0/24

All: 1136.020+/-0.162 χ^2/NDF: 890100.5/46


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -1800.290+/-1324.260 χ²/NDF:8.0/6
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -468.623+/-1340.543 χ²/NDF:1.5/5
Left: -1142.594+/-942.098 χ²/NDF: 10.0/12
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: 4.615+/-345.564 χ²/NDF:16.5/21
Out: -291.169+/-313.383 χ²/NDF:25.0/24
All: -157.688+/-232.141 χ²/NDF: 41.9/46

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: 3037.666+/-0.936 χ^2/NDF:124710.0/6

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3046.392+/-0.948 χ^2/NDF:153361.4/5

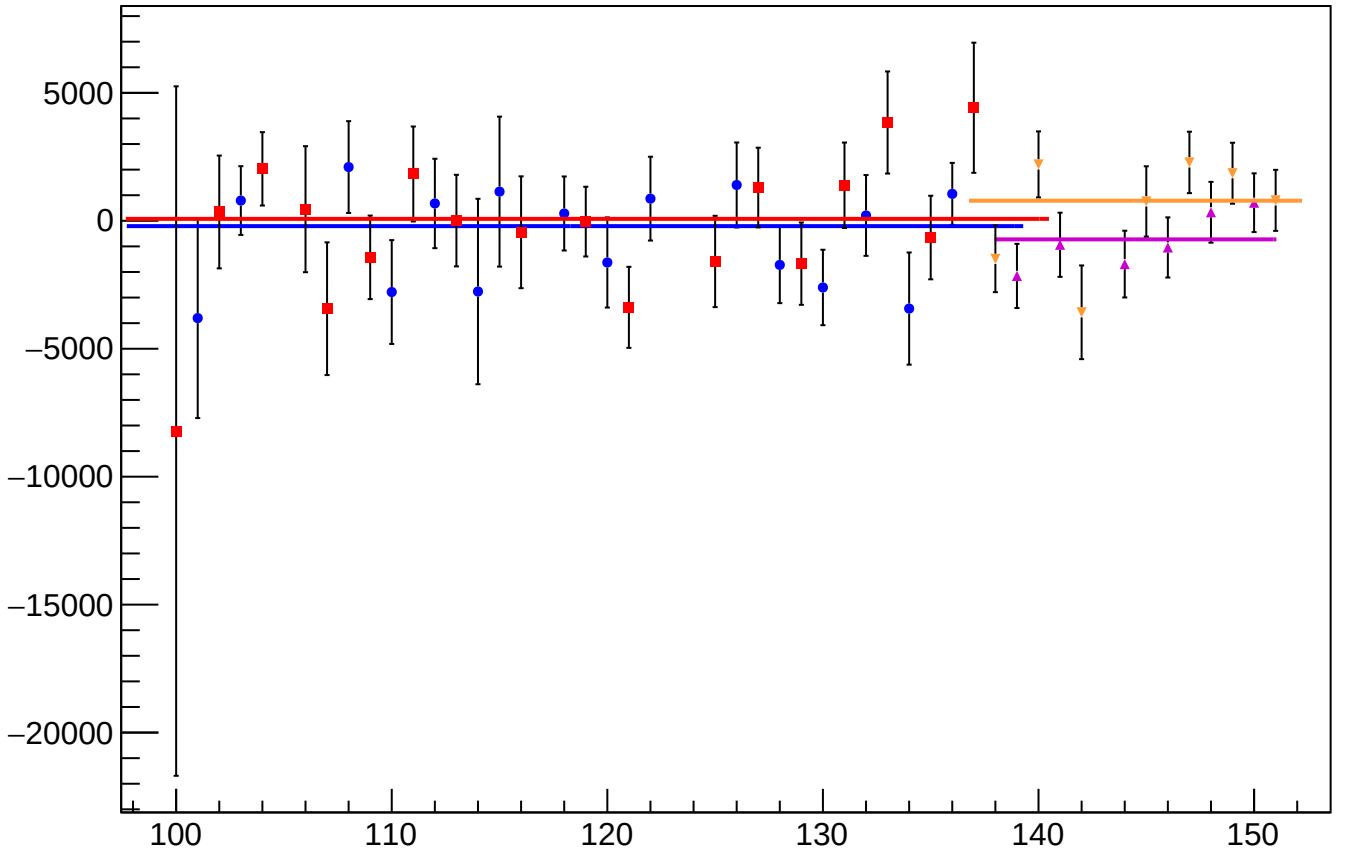
Left: 3041.976+/-0.666 χ^2/NDF: 278114.3/12

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 710.598+/-0.244 χ^2/NDF:16340622.5/21

Out: 622.529+/-0.222 χ^2/NDF:16359557.2/24

All: 662.273+/-0.164 χ^2/NDF: 32771459.0/46



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 786.269+/-492.580 χ^2/NDF:12.3/6

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -725.878+/-496.892 χ^2/NDF:4.3/5

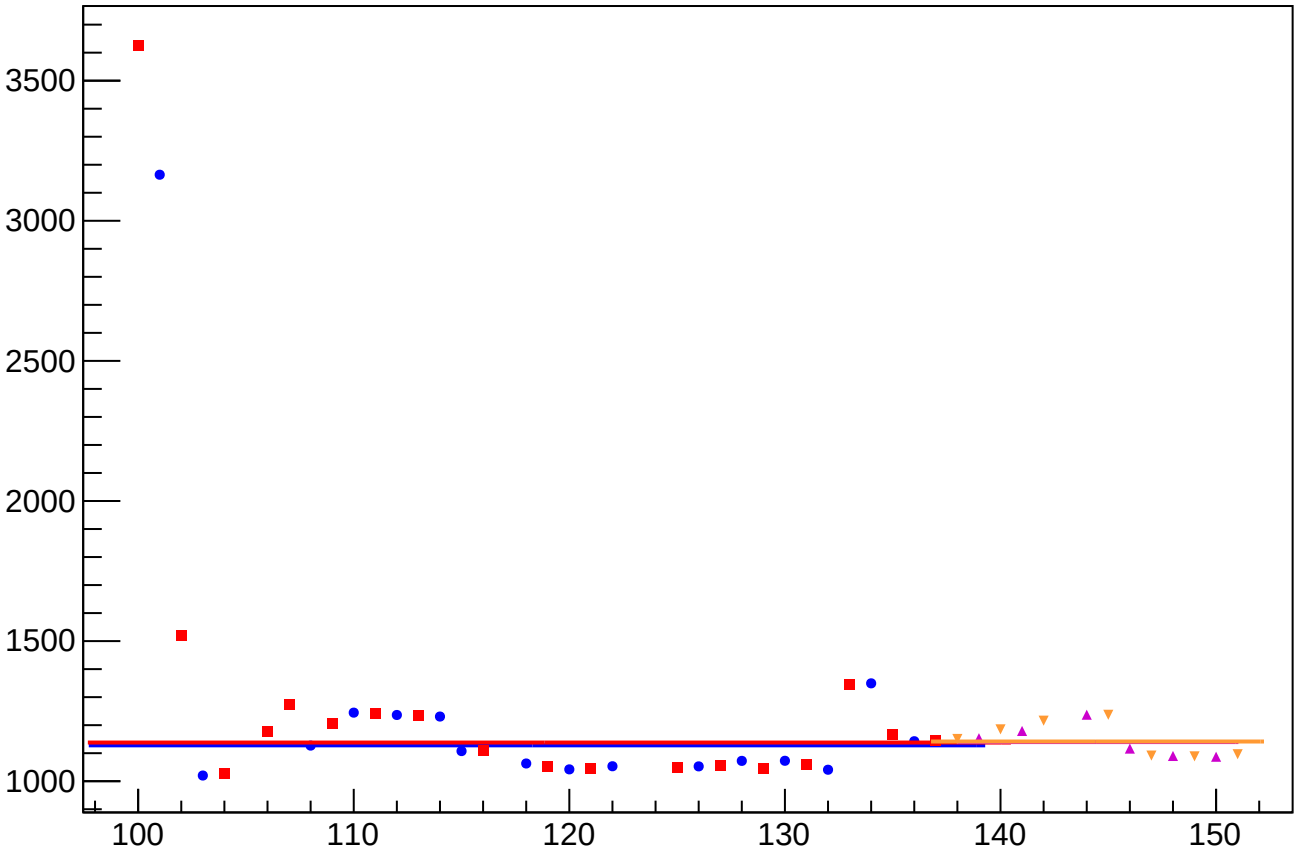
Left: 36.784+/-349.821 χ^2/NDF: 21.3/12

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -429.323+/-324.787 χ^2/NDF:19.7/21

Out: 383.657+/-324.261 χ^2/NDF:34.1/24

All: -22.173+/-229.473 χ^2/NDF: 56.9/46



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1141.661+/-0.348 χ^2/NDF:25663.0/6

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1139.659+/-0.351 χ^2/NDF:21878.7/5

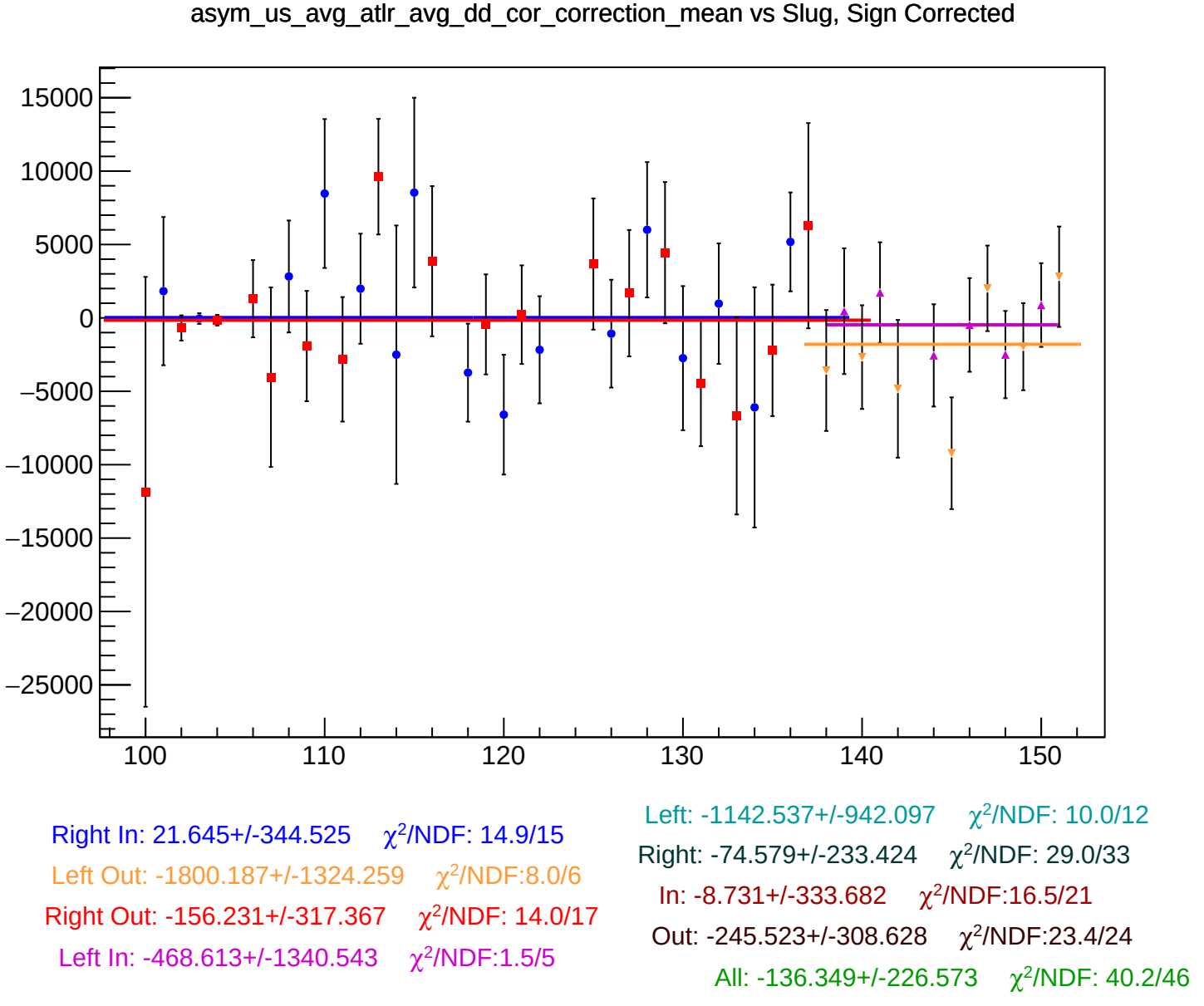
Left: 1140.669+/-0.247 χ^2/NDF: 47558.1/12

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

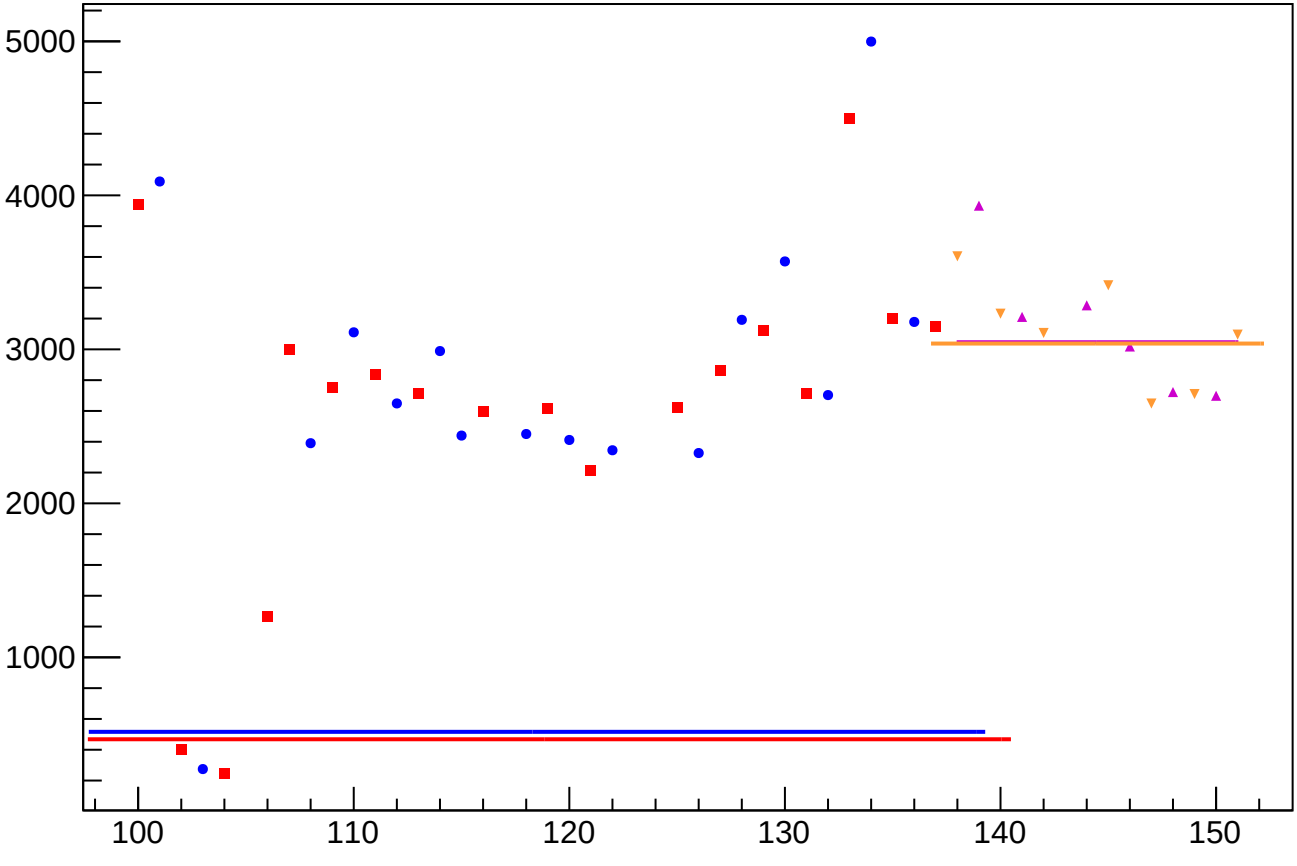
In: 1132.985+/-0.230 χ^2/NDF:643904.3/21

Out: 1139.585+/-0.229 χ^2/NDF:246350.1/24

All: 1136.292+/-0.162 χ^2/NDF: 890668.2/46


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -1800.187+/-1324.259 χ²/NDF:8.0/6
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -468.613+/-1340.543 χ²/NDF:1.5/5
Left: -1142.537+/-942.097 χ²/NDF: 10.0/12
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -8.731+/-333.682 χ²/NDF:16.5/21
Out: -245.523+/-308.628 χ²/NDF:23.4/24
All: -136.349+/-226.573 χ²/NDF: 40.2/46

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: 3037.663+/-0.936 χ^2/NDF:124707.9/6

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3046.392+/-0.948 χ^2/NDF:153362.3/5

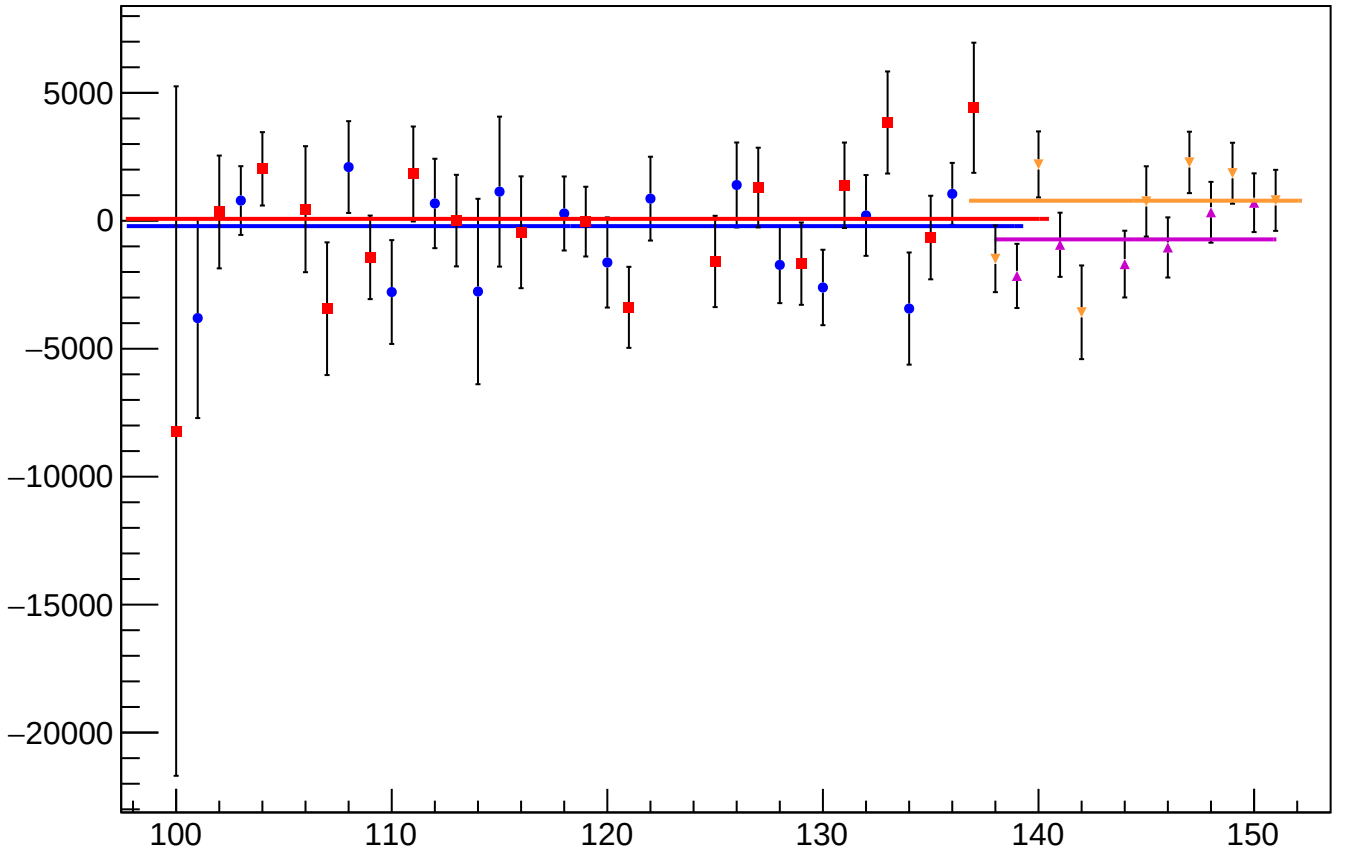
Left: 3041.974+/-0.666 χ^2/NDF: 278113.2/12

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 673.058+/-0.236 χ^2/NDF:16670916.4/21

Out: 607.629+/-0.218 χ^2/NDF:16357284.8/24

All: 637.795+/-0.160 χ^2/NDF: 33069644.3/46



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 786.269+/-492.580 χ^2/NDF:12.3/6

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -725.878+/-496.892 χ^2/NDF:4.3/5

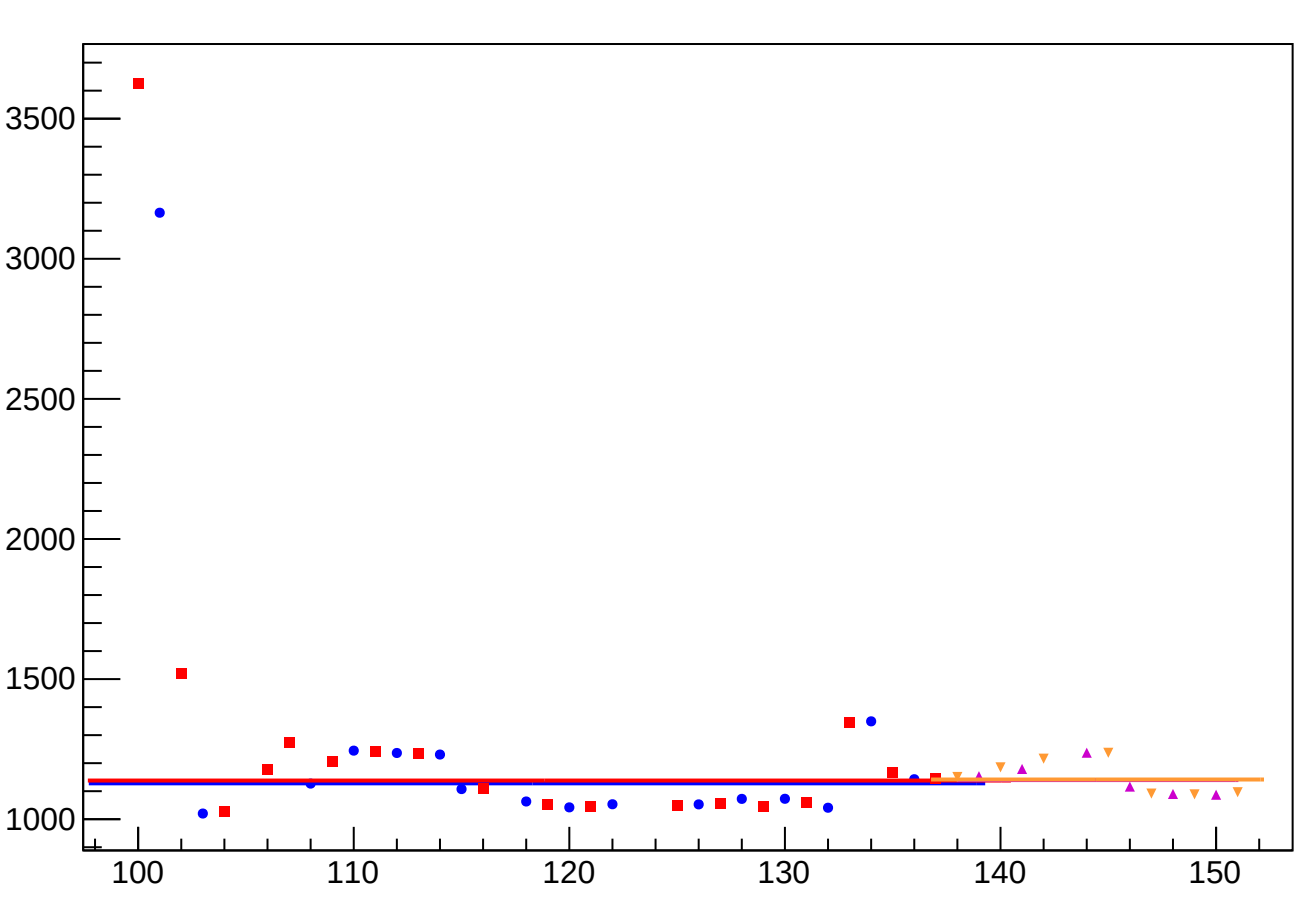
Left: 36.784+/-349.821 χ^2/NDF: 21.3/12

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -429.323+/-324.787 χ^2/NDF:19.7/21

Out: 383.657+/-324.261 χ^2/NDF:34.1/24

All: -22.173+/-229.473 χ^2/NDF: 56.9/46



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1141.661+/-0.348 χ^2/NDF:25663.0/6

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1139.659+/-0.351 χ^2/NDF:21878.7/5

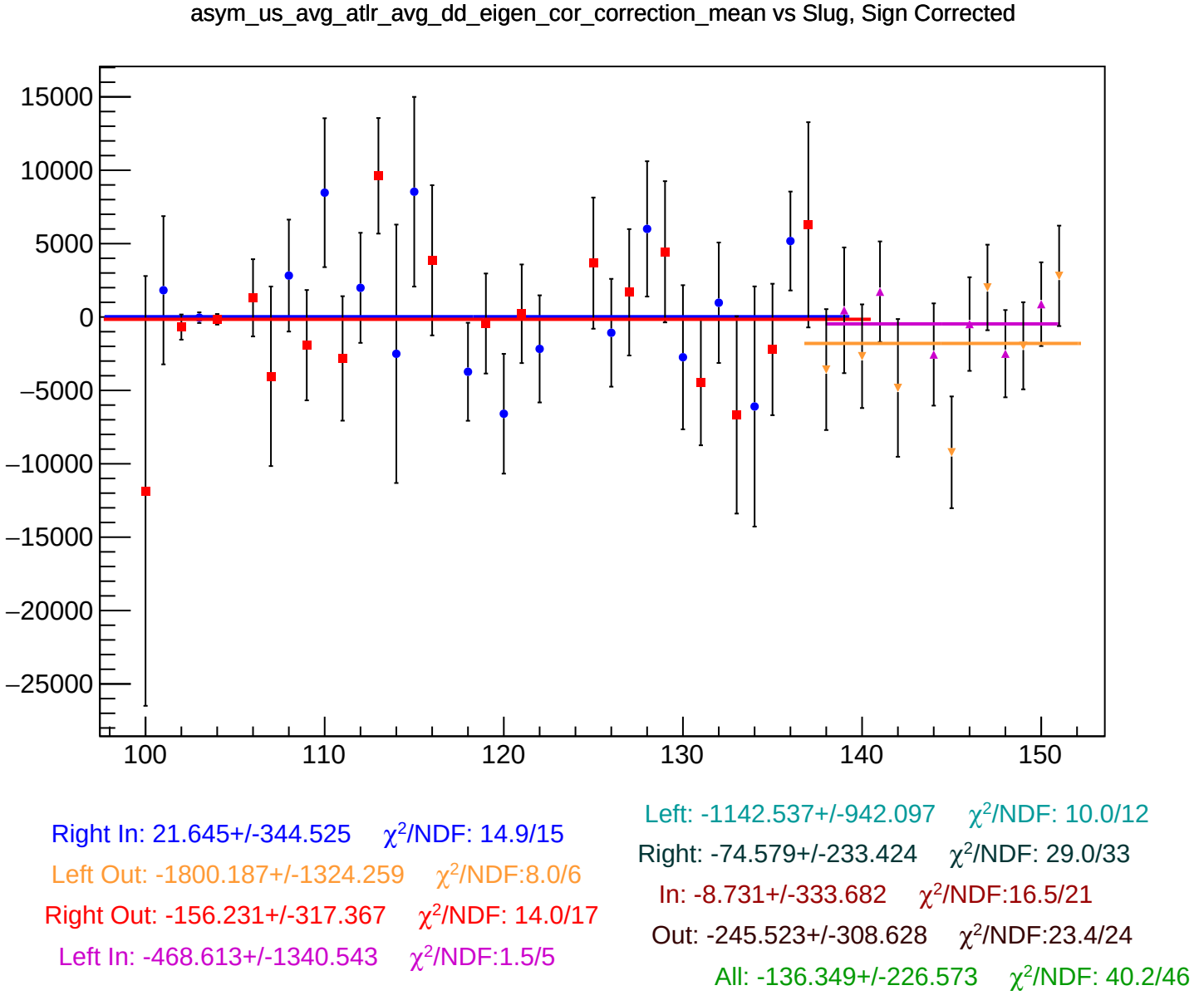
Left: 1140.669+/-0.247 χ^2/NDF: 47558.1/12

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

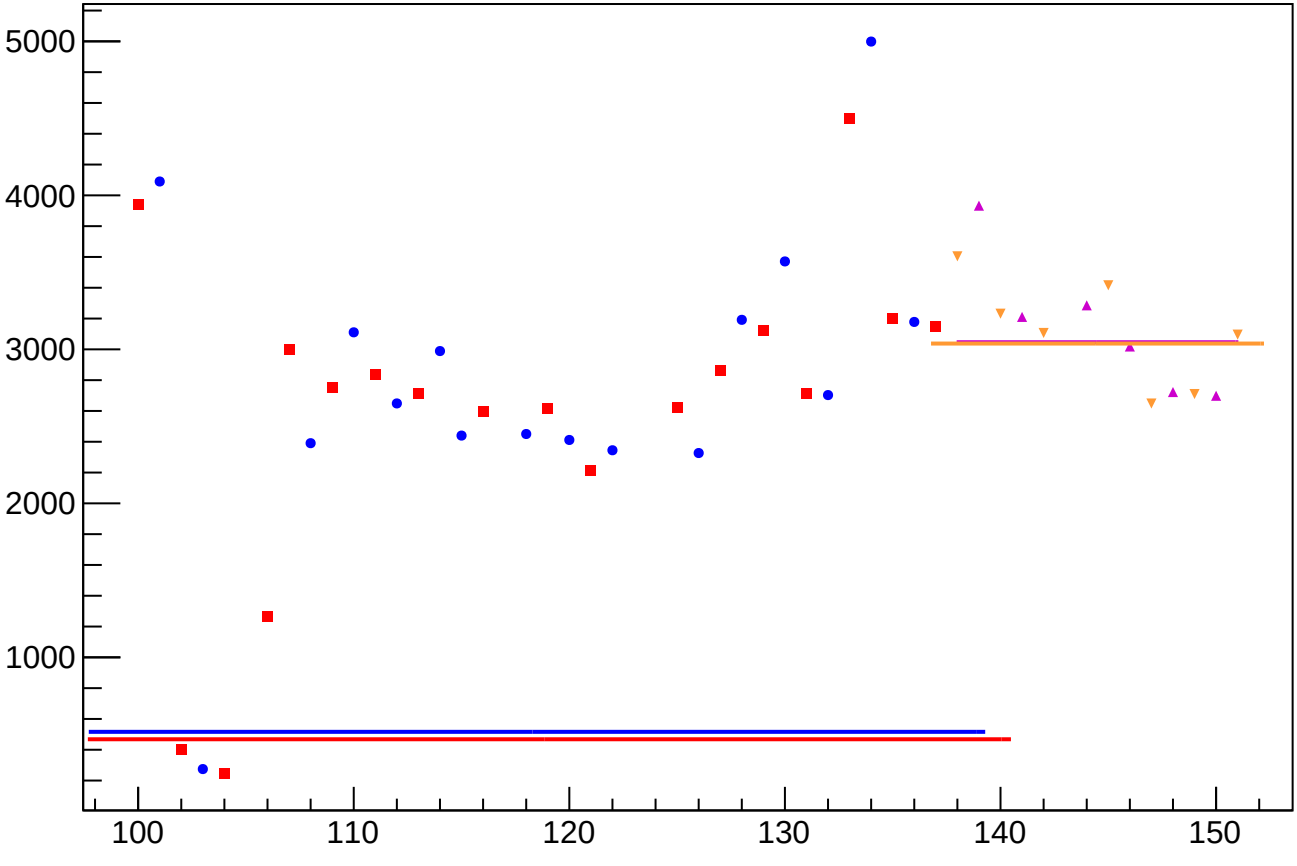
In: 1132.985+/-0.230 χ^2/NDF:643904.3/21

Out: 1139.585+/-0.229 χ^2/NDF:246350.1/24

All: 1136.292+/-0.162 χ^2/NDF: 890668.2/46


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -1800.187+/-1324.259 χ²/NDF:8.0/6
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -468.613+/-1340.543 χ²/NDF:1.5/5
Left: -1142.537+/-942.097 χ²/NDF: 10.0/12
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -8.731+/-333.682 χ²/NDF:16.5/21
Out: -245.523+/-308.628 χ²/NDF:23.4/24
All: -136.349+/-226.573 χ²/NDF: 40.2/46

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: 3037.663+/-0.936 χ^2/NDF:124707.9/6

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3046.392+/-0.948 χ^2/NDF:153362.3/5

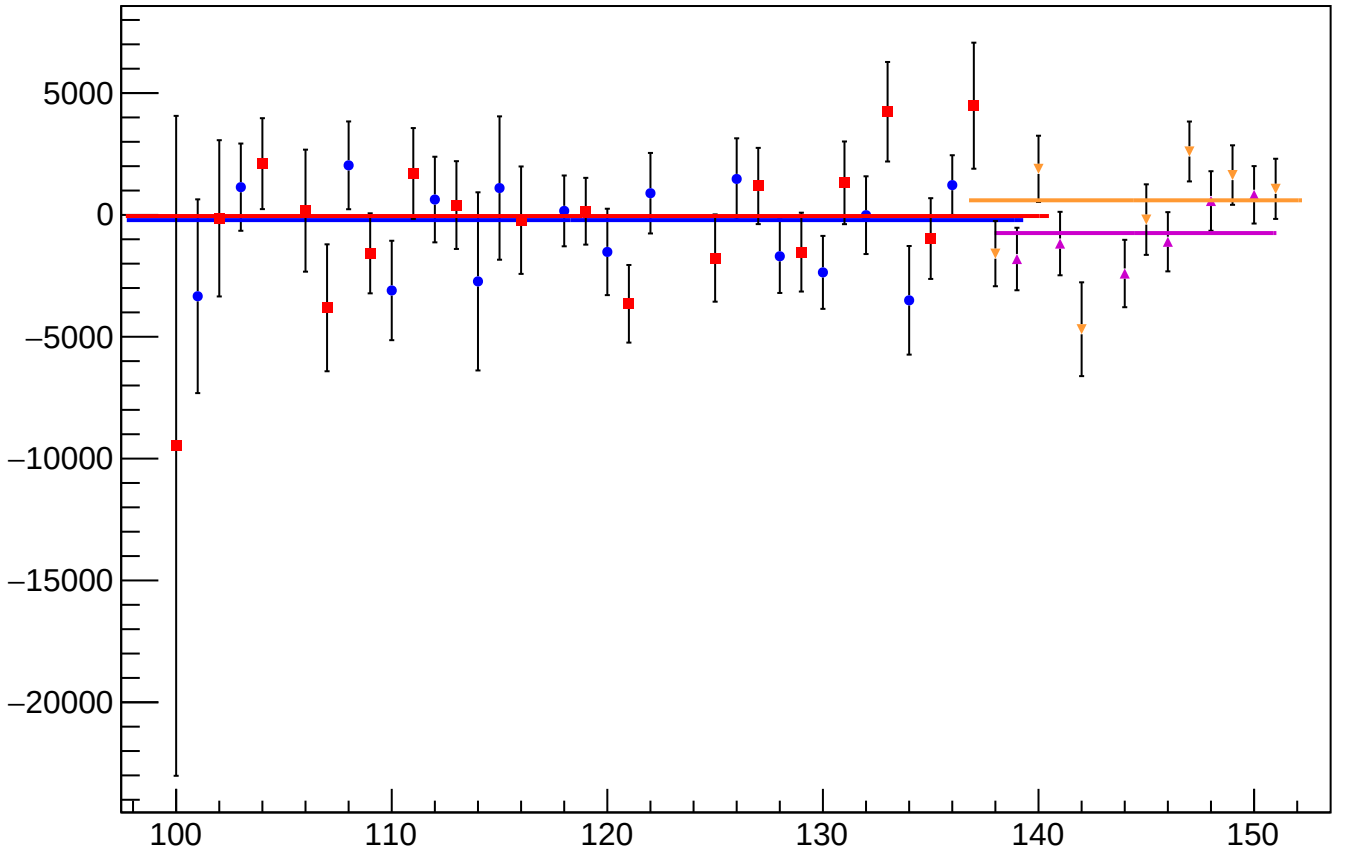
Left: 3041.974+/-0.666 χ^2/NDF: 278113.2/12

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 673.058+/-0.236 χ^2/NDF:16670916.4/21

Out: 607.629+/-0.218 χ^2/NDF:16357284.8/24

All: 637.795+/-0.160 χ^2/NDF: 33069644.3/46



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 599.341+/-510.576 χ^2/NDF:15.0/6

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -744.619+/-513.777 χ^2/NDF:5.3/5

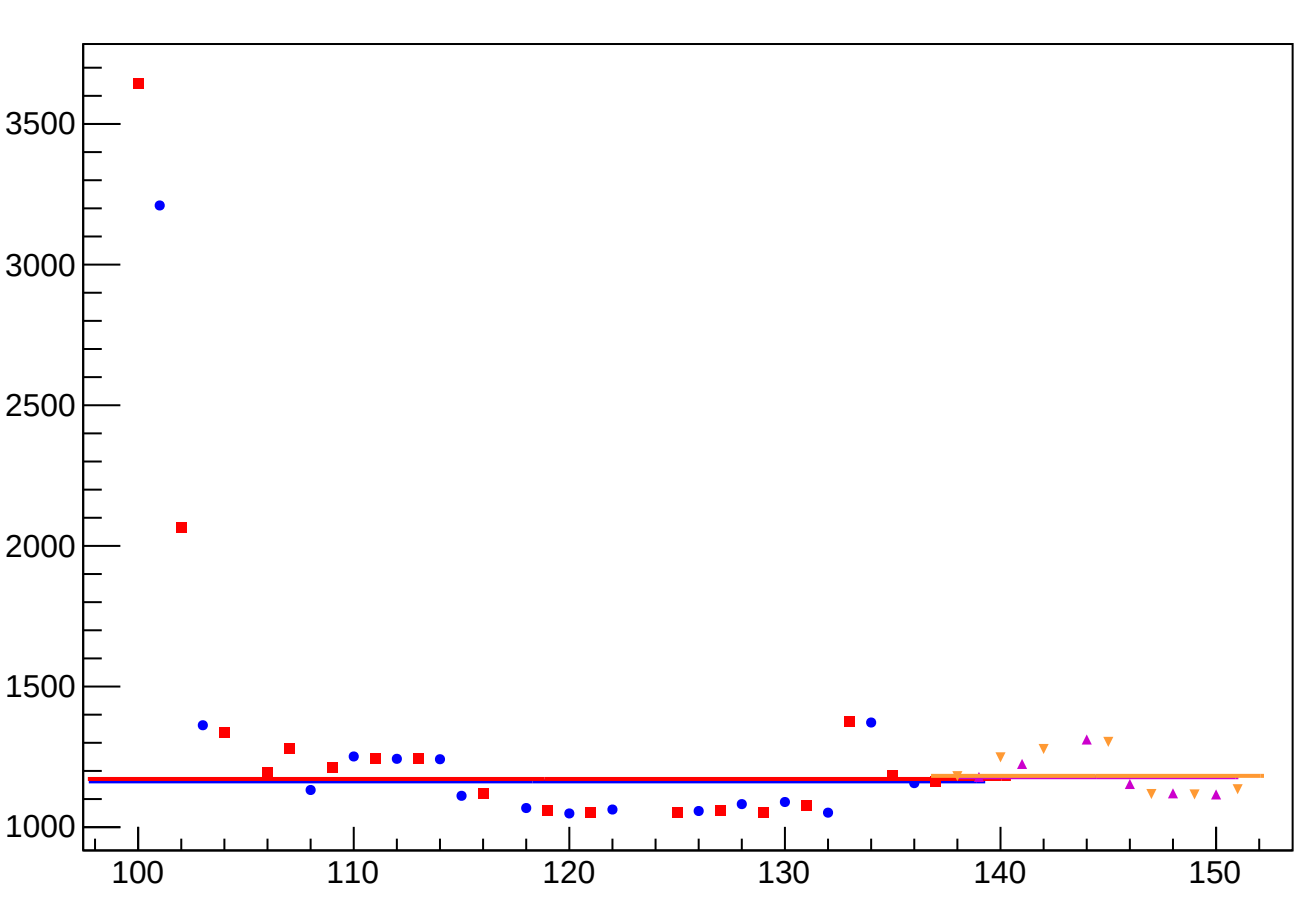
Left: -68.439+/-362.158 χ^2/NDF: 23.7/12

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -439.557+/-335.367 χ^2/NDF:20.2/21

Out: 234.432+/-336.415 χ^2/NDF:37.5/24

All: -103.615+/-237.510 χ^2/NDF: 59.7/46



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1182.491+/-0.361 χ^2/NDF:37875.6/6

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1177.640+/-0.363 χ^2/NDF:32018.4/5

Left: 1180.081+/-0.256 χ^2/NDF: 69983.6/12

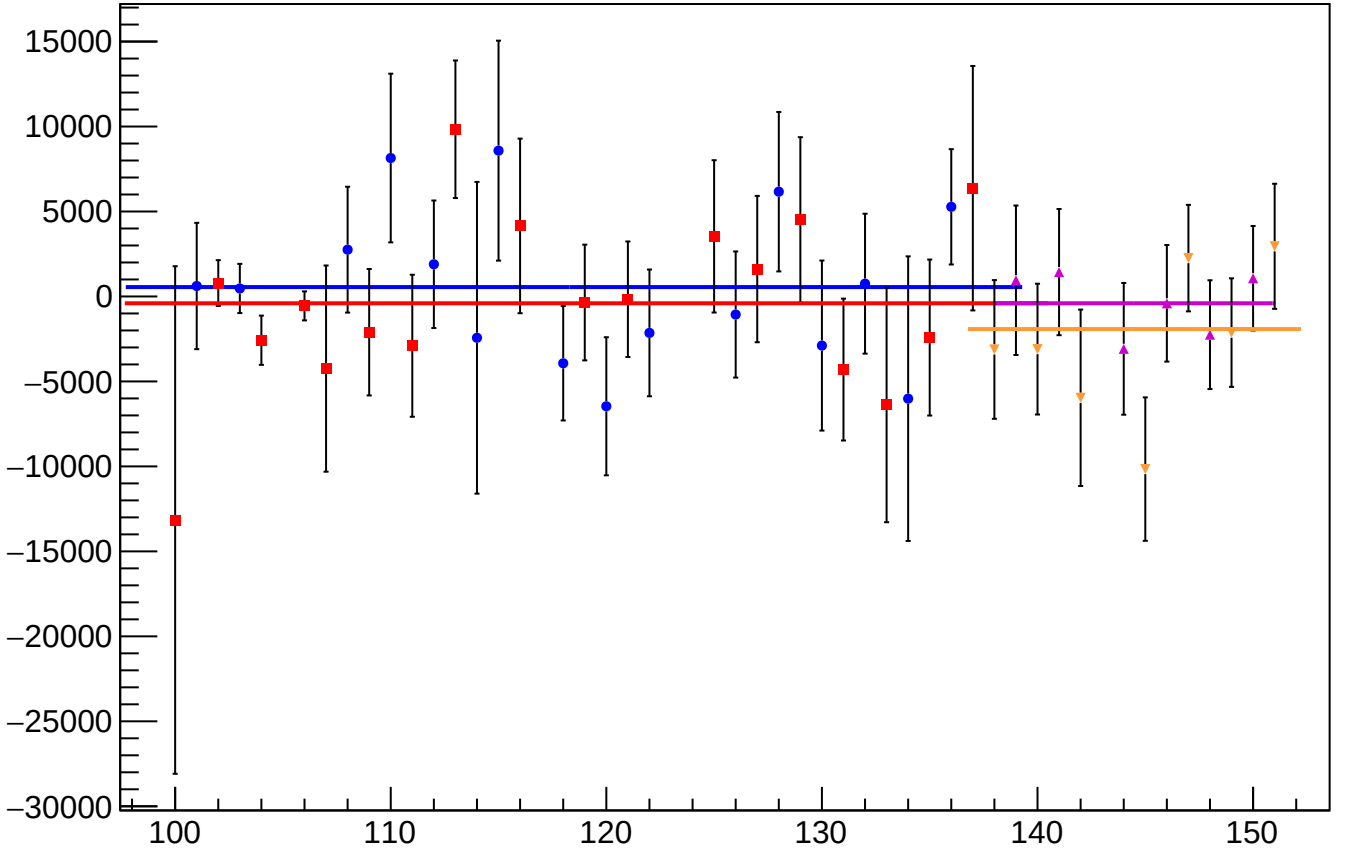
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1169.153+/-0.237 χ^2/NDF:668322.9/21

Out: 1176.224+/-0.238 χ^2/NDF:370048.6/24

All: 1172.678+/-0.168 χ^2/NDF: 1038814.8/46

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -1917.869+/-1421.969 χ^2/NDF:8.1/6

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -400.108+/-1444.835 χ^2/NDF:1.4/5

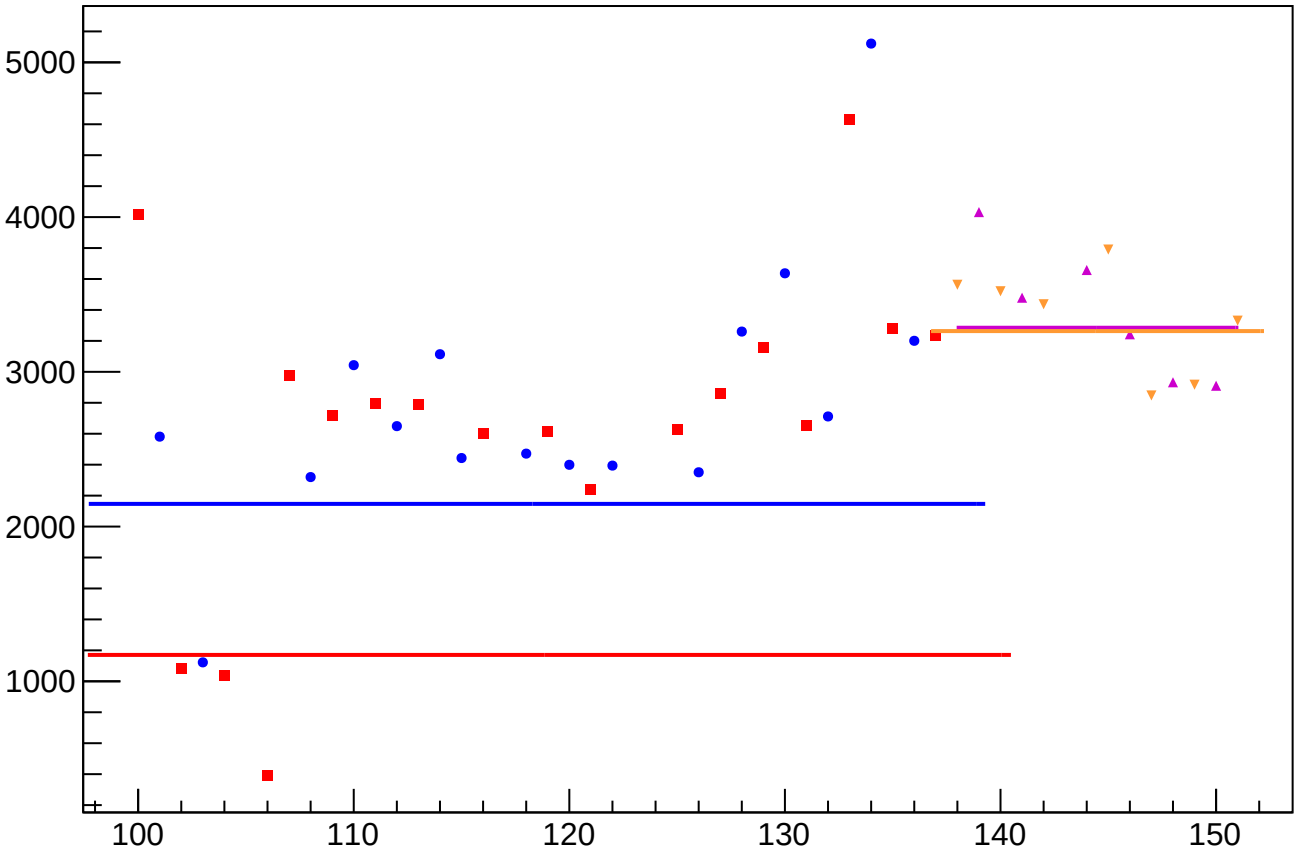
Left: -1171.094+/-1013.472 χ^2/NDF: 10.1/12

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 297.261+/-747.903 χ^2/NDF:16.1/21

Out: -607.885+/-525.769 χ^2/NDF:25.8/24

All: -308.514+/-430.121 χ^2/NDF: 42.9/46



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3263.328+/-1.005 χ^2/NDF:112571.9/6

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3284.932+/-1.022 χ^2/NDF:135998.7/5

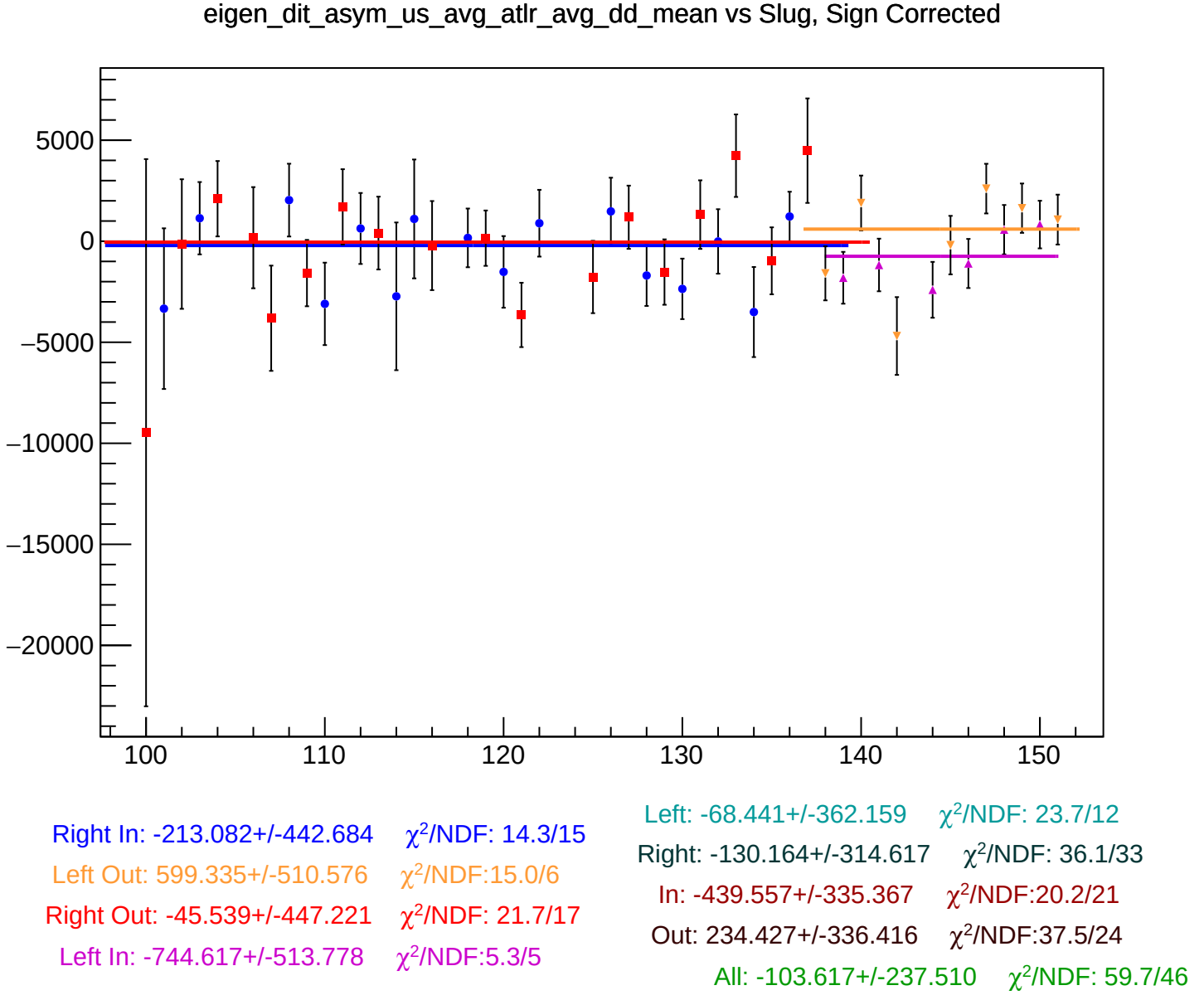
Left: 3273.958+/-0.717 χ^2/NDF: 248797.8/12

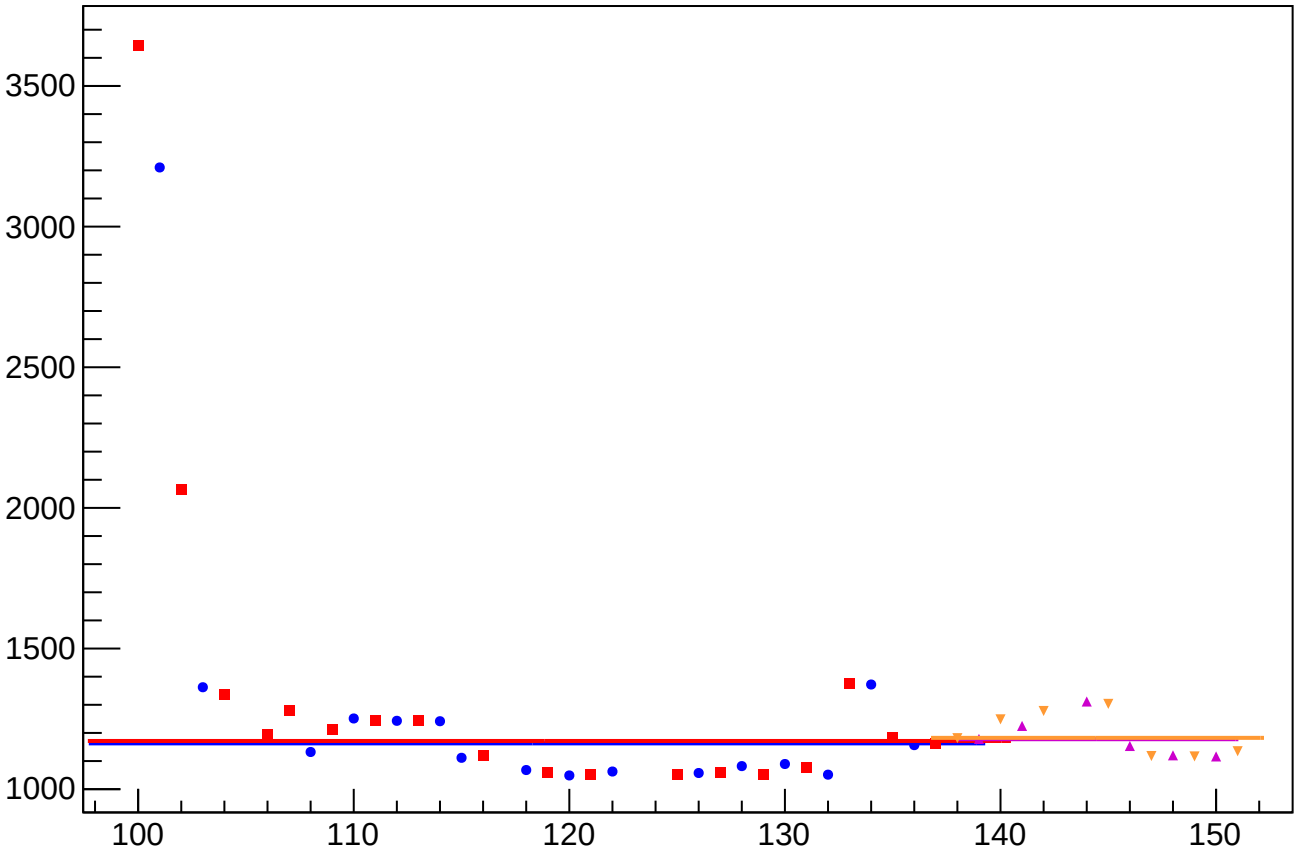
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2451.628+/-0.529 χ^2/NDF:3019504.7/21

Out: 1456.680+/-0.372 χ^2/NDF:9669792.9/24

All: 1785.753+/-0.304 χ^2/NDF: 15058121.4/4


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 599.335+/-510.576 χ²/NDF:15.0/6
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -744.617+/-513.778 χ²/NDF:5.3/5
Left: -68.441+/-362.159 χ²/NDF: 23.7/12
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -439.557+/-335.367 χ²/NDF:20.2/21
Out: 234.427+/-336.416 χ²/NDF:37.5/24
All: -103.617+/-237.510 χ²/NDF: 59.7/46



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1182.491+/-0.361 χ^2/NDF:37876.0/6

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1177.641+/-0.363 χ^2/NDF:32018.5/5

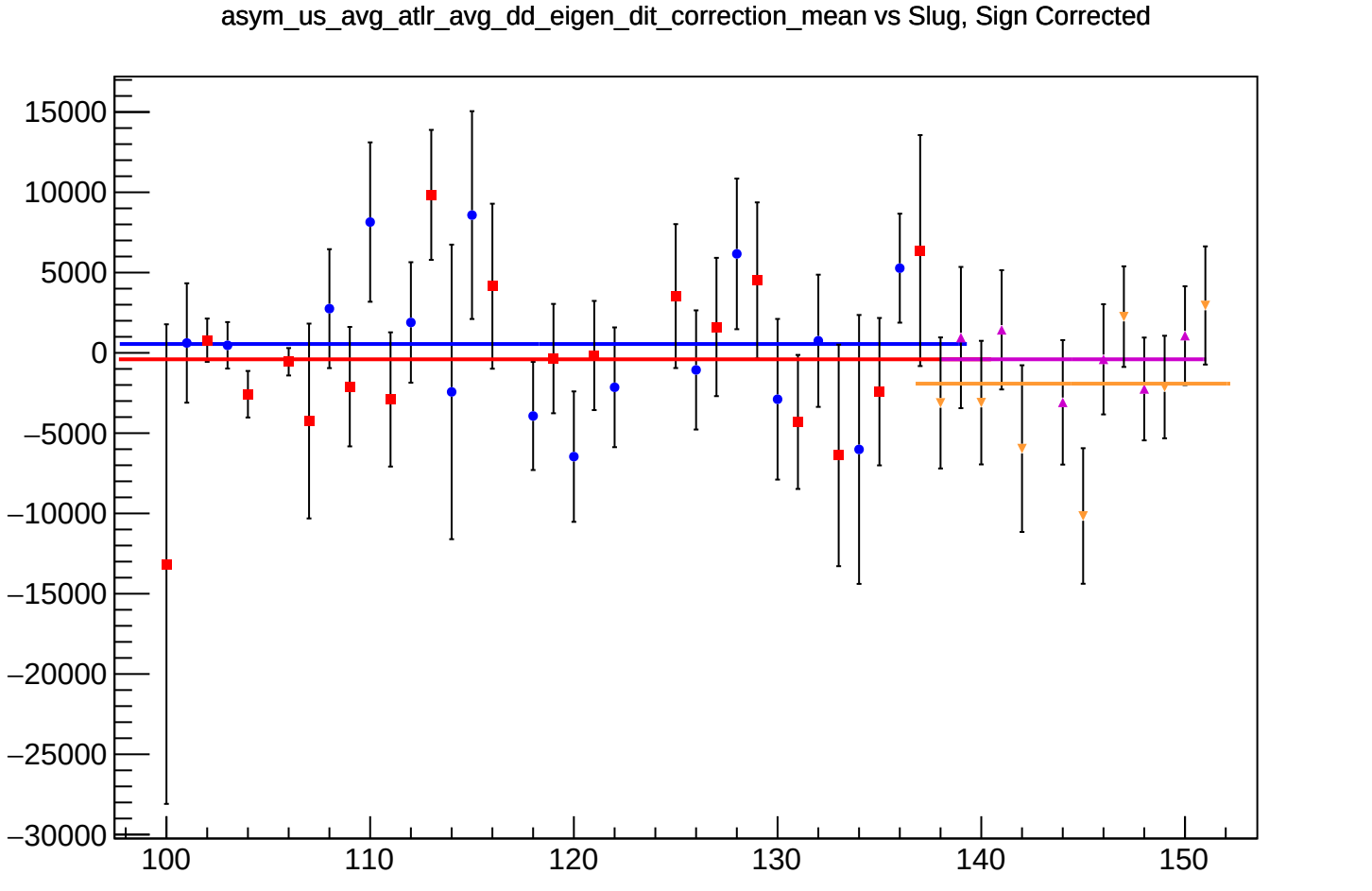
Left: 1180.081+/-0.256 χ^2/NDF: 69984.2/12

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

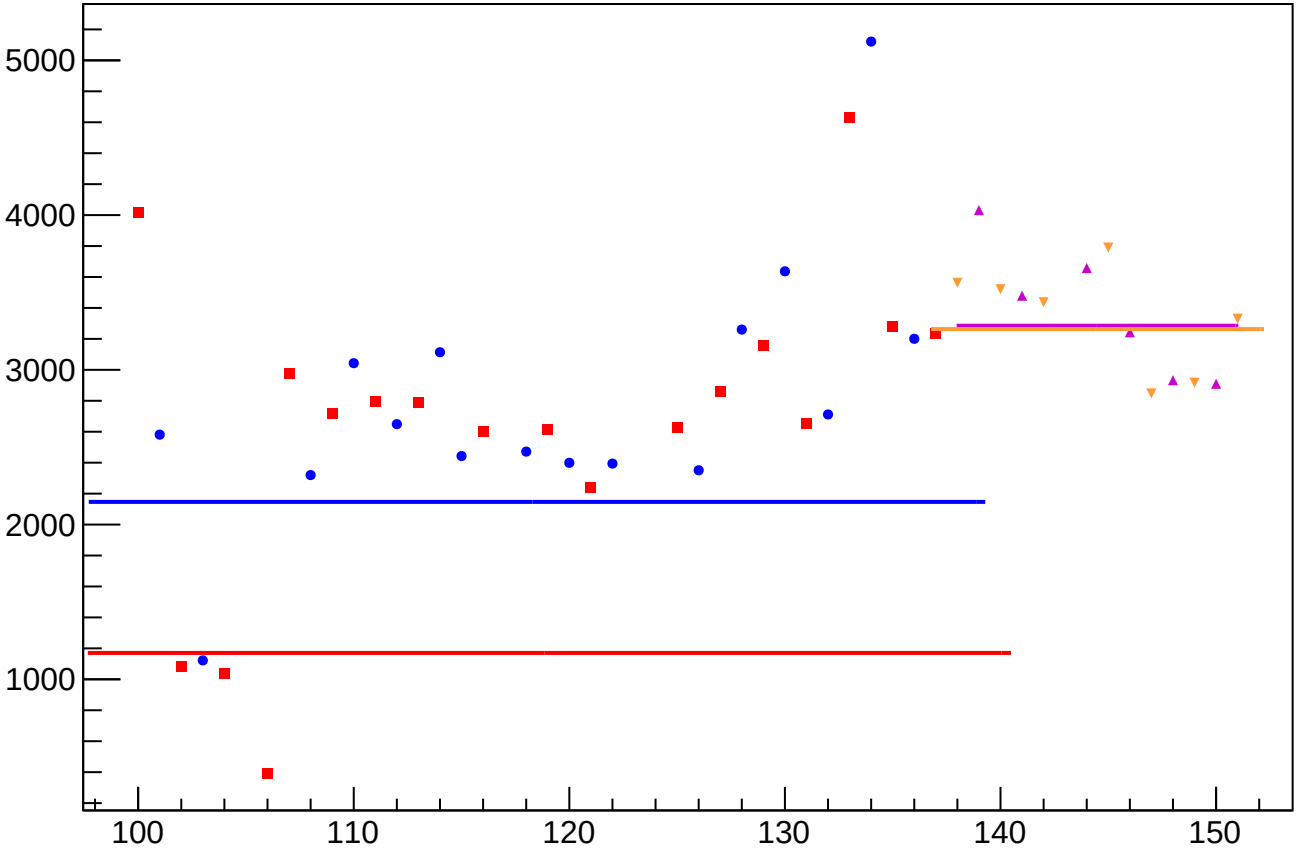
In: 1169.153+/-0.237 χ^2/NDF:668323.3/21

Out: 1176.224+/-0.238 χ^2/NDF:370048.8/24

All: 1172.678+/-0.168 χ^2/NDF: 1038815.4/46


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: 552.510+/-874.126 χ²/NDF: 14.4/15
Left Out: -1917.873+/-1421.971 χ²/NDF:8.1/6
Right Out: -400.433+/-565.864 χ²/NDF: 16.7/17
Left In: -400.105+/-1444.837 χ²/NDF:1.4/5
Left: -1171.094+/-1013.473 χ²/NDF: 10.1/12
Right: -119.022+/-475.020 χ²/NDF: 31.9/33
In: 297.258+/-747.902 χ²/NDF:16.1/21
Out: -607.882+/-525.764 χ²/NDF:25.8/24
All: -308.516+/-430.118 χ²/NDF: 42.9/46

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: 3263.332+/-1.005 χ^2/NDF:112573.0/6

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3284.936+/-1.022 χ^2/NDF:135999.7/5

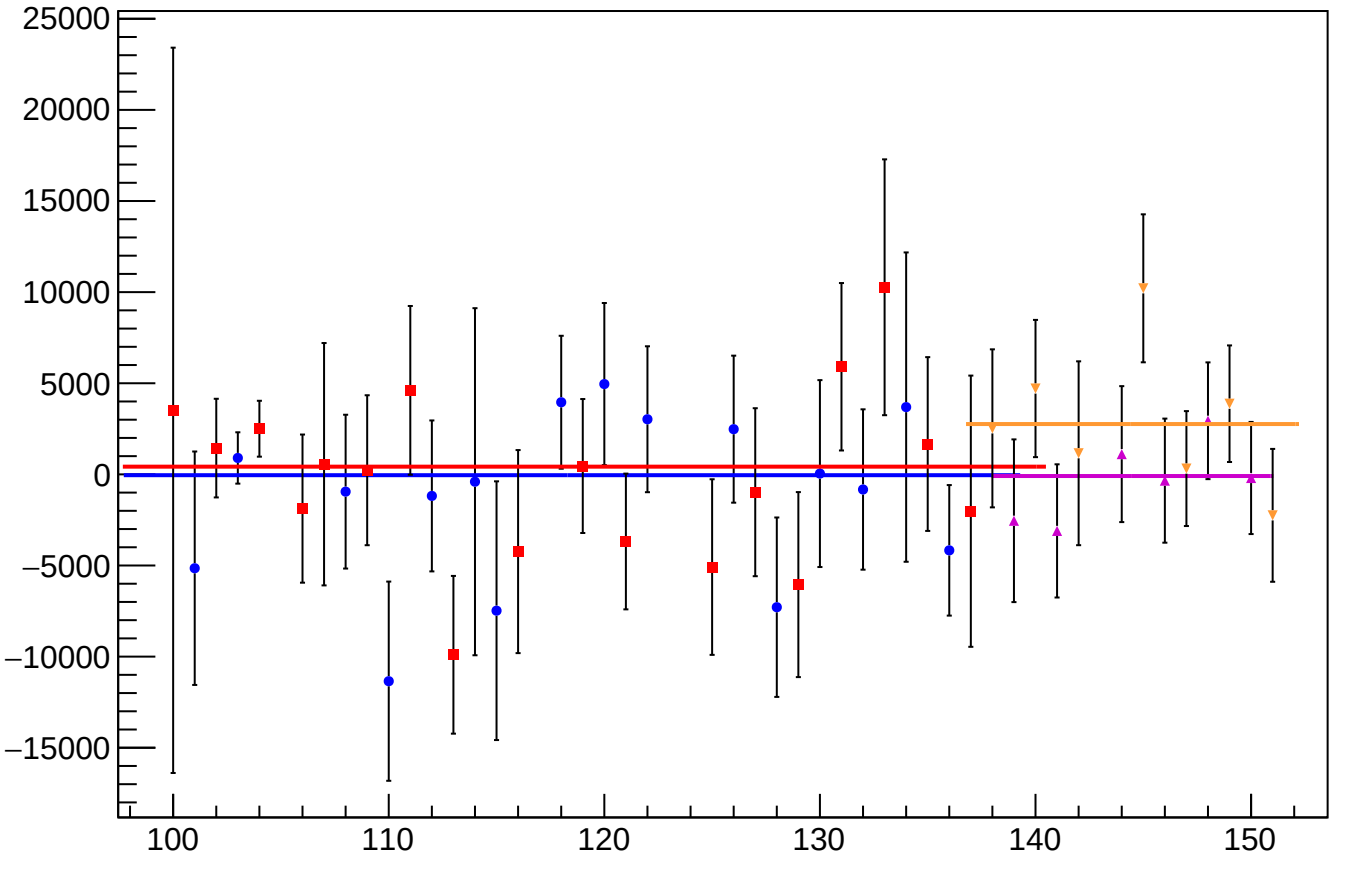
Left: 3273.962+/-0.717 χ^2/NDF: 248799.9/12

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2451.626+/-0.529 χ^2/NDF:3019511.4/21

Out: 1456.654+/-0.372 χ^2/NDF:9670020.9/24

All: 1785.731+/-0.304 χ^2/NDF: 15058486.5/4



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 2761.615+/-1418.105 χ^2/NDF:6.3/6

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -90.570+/-1433.922 χ^2/NDF:2.0/5

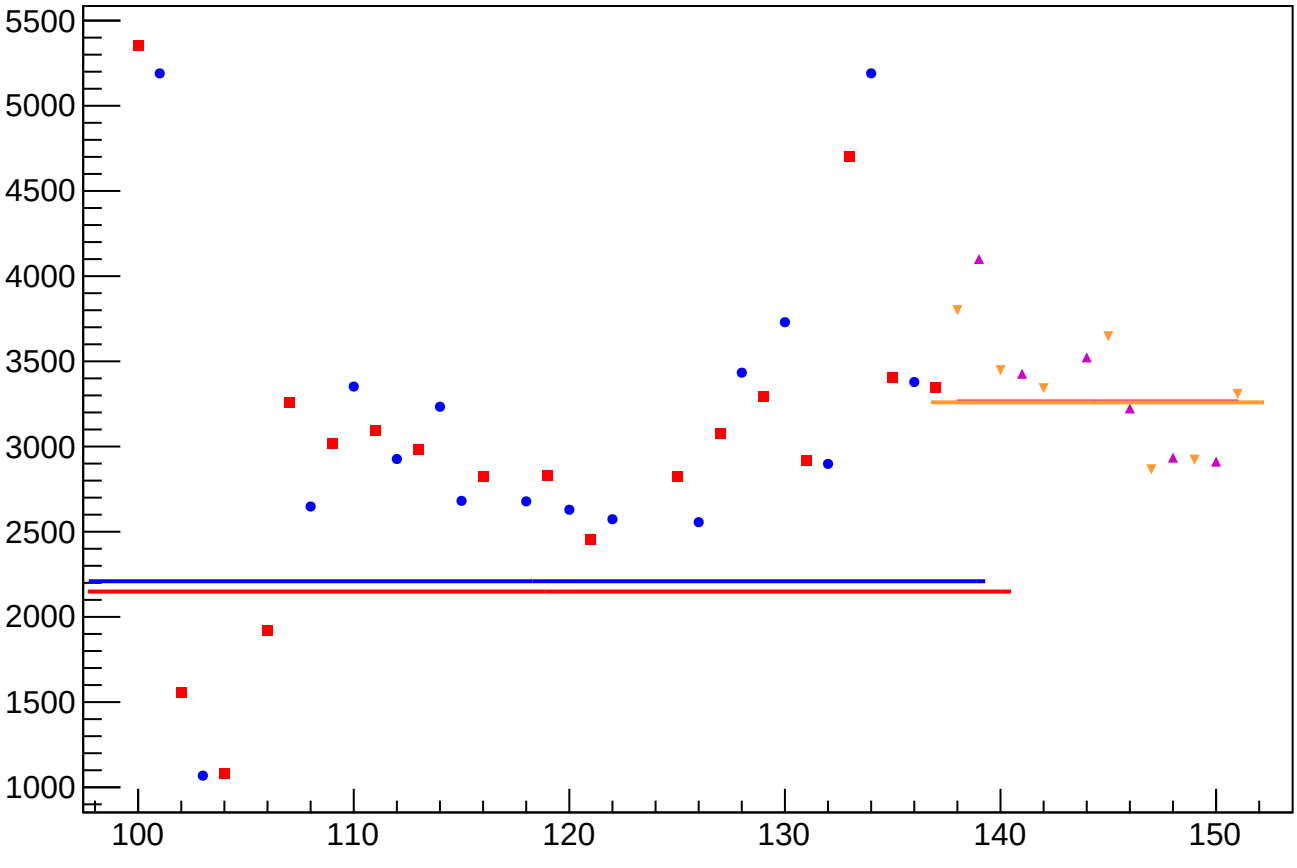
Left: 1351.340+/-1008.297 χ^2/NDF: 10.3/12

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -58.215+/-774.766 χ^2/NDF:15.7/21

Out: 1091.353+/-757.917 χ^2/NDF:25.6/24

All: 529.206+/-541.787 χ^2/NDF: 42.5/46



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3259.322+/-1.003 χ^2/NDF:108647.0/6

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3264.214+/-1.014 χ^2/NDF:131510.9/5

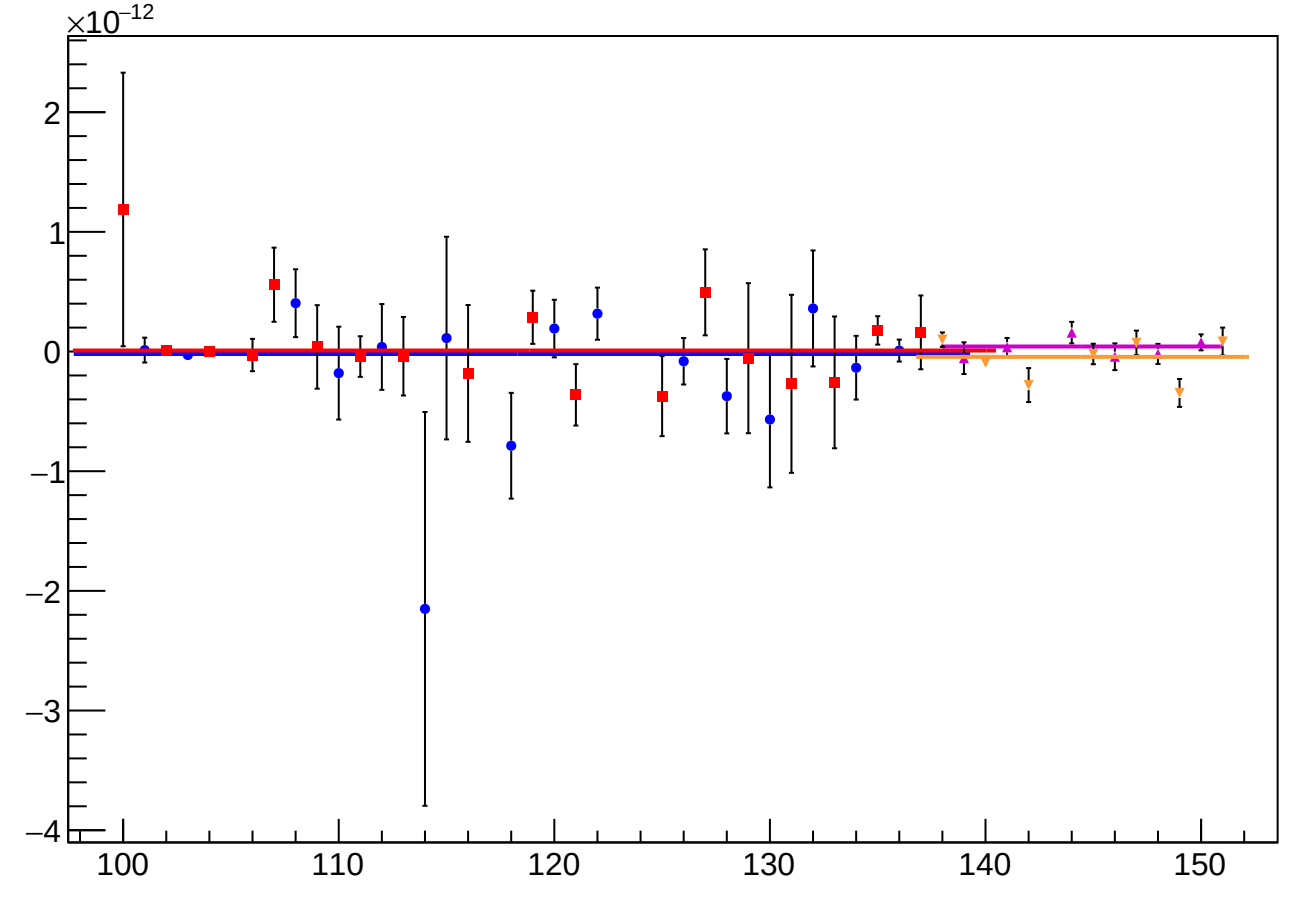
Left: 3261.741+/-0.713 χ^2/NDF: 240169.7/12

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2517.303+/-0.548 χ^2/NDF:3734767.6/21

Out: 2465.036+/-0.535 χ^2/NDF:3255427.5/24

All: 2490.551+/-0.383 χ^2/NDF: 6994853.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.6/5

Left: -0.000+/-0.000 χ^2/NDF: 26.5/12

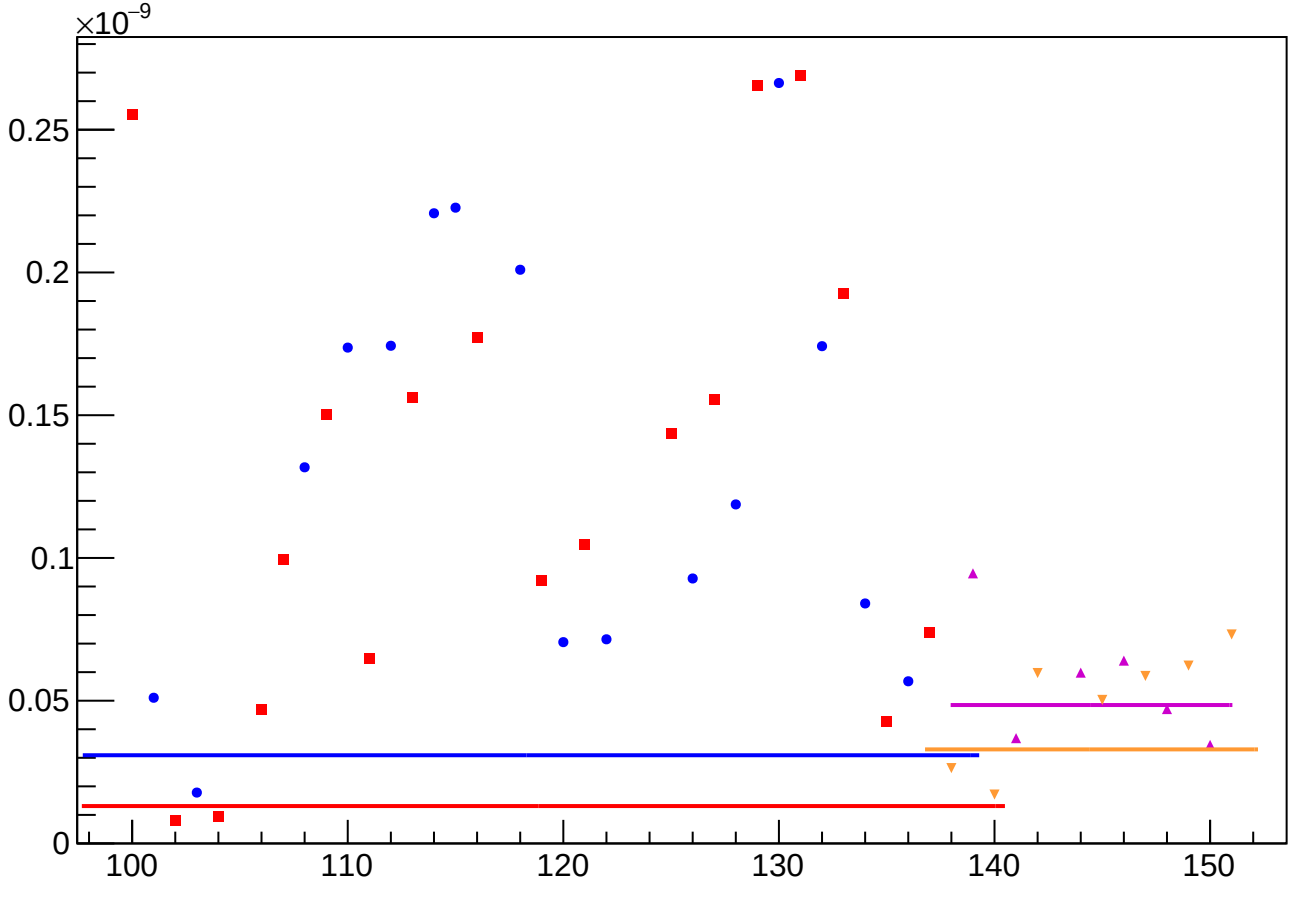
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:19.4/21

Out: -0.000+/-0.000 χ^2/NDF:36.0/24

All: -0.000+/-0.000 χ^2/NDF: 55.4/46

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:969674.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:446130.9/5

Left: 0.000+/-0.000 χ^2/NDF: 1654152.7/12

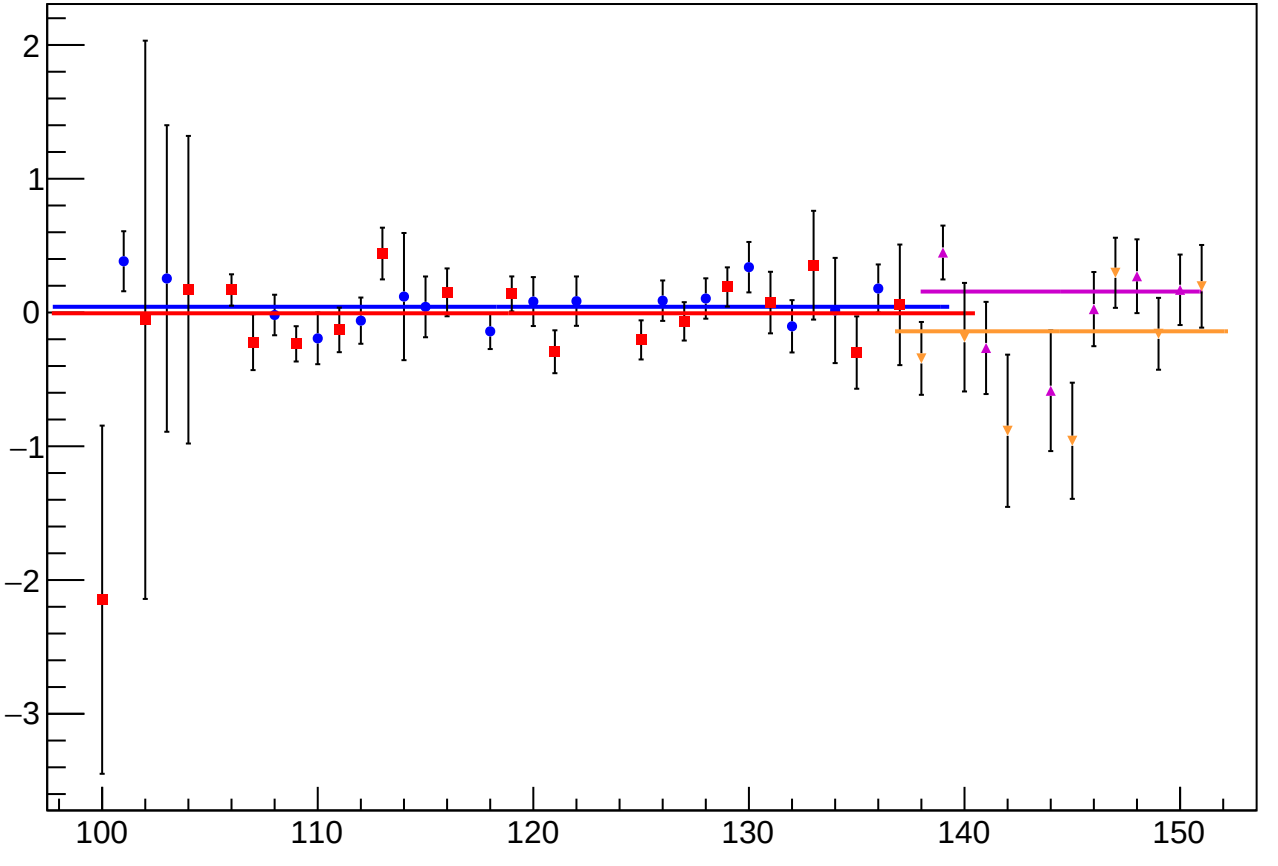
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3768917.0/21

Out: 0.000+/-0.000 χ^2/NDF:5425339.6/24

All: 0.000+/-0.000 χ^2/NDF: 10440459.3/46

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.141+/-0.122 χ^2/NDF:9.8/6

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.157+/-0.113 χ^2/NDF:6.7/5

Left: 0.020+/-0.083 χ^2/NDF: 19.7/12

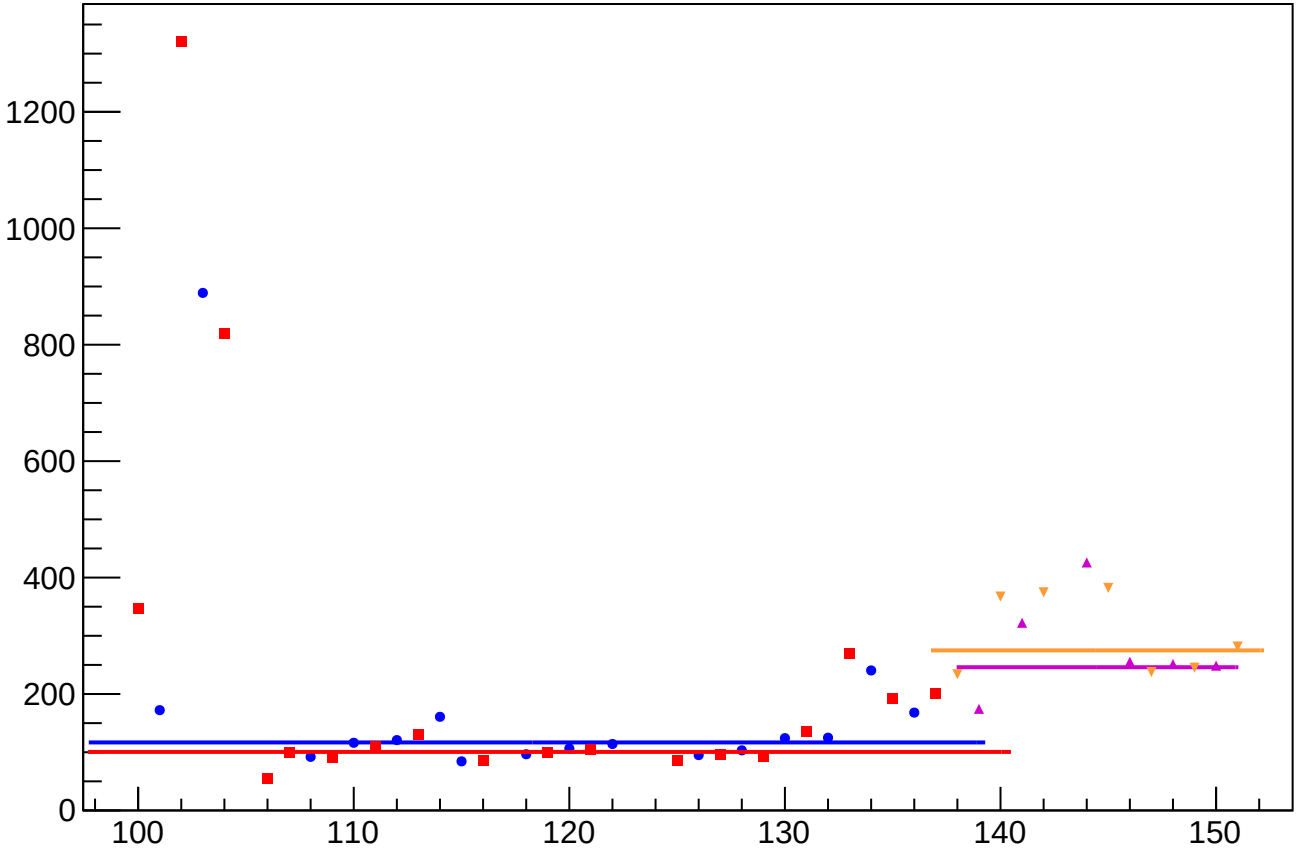
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.060+/-0.044 χ^2/NDF:17.8/21

Out: -0.021+/-0.041 χ^2/NDF:36.9/24

All: 0.017+/-0.030 χ^2/NDF: 56.6/46

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: 274.949+/-0.086 χ^2/NDF:398486.1/6

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 246.024+/-0.080 χ^2/NDF:672066.0/5

Left: 259.318+/-0.059 χ^2/NDF: 1130978.5/12

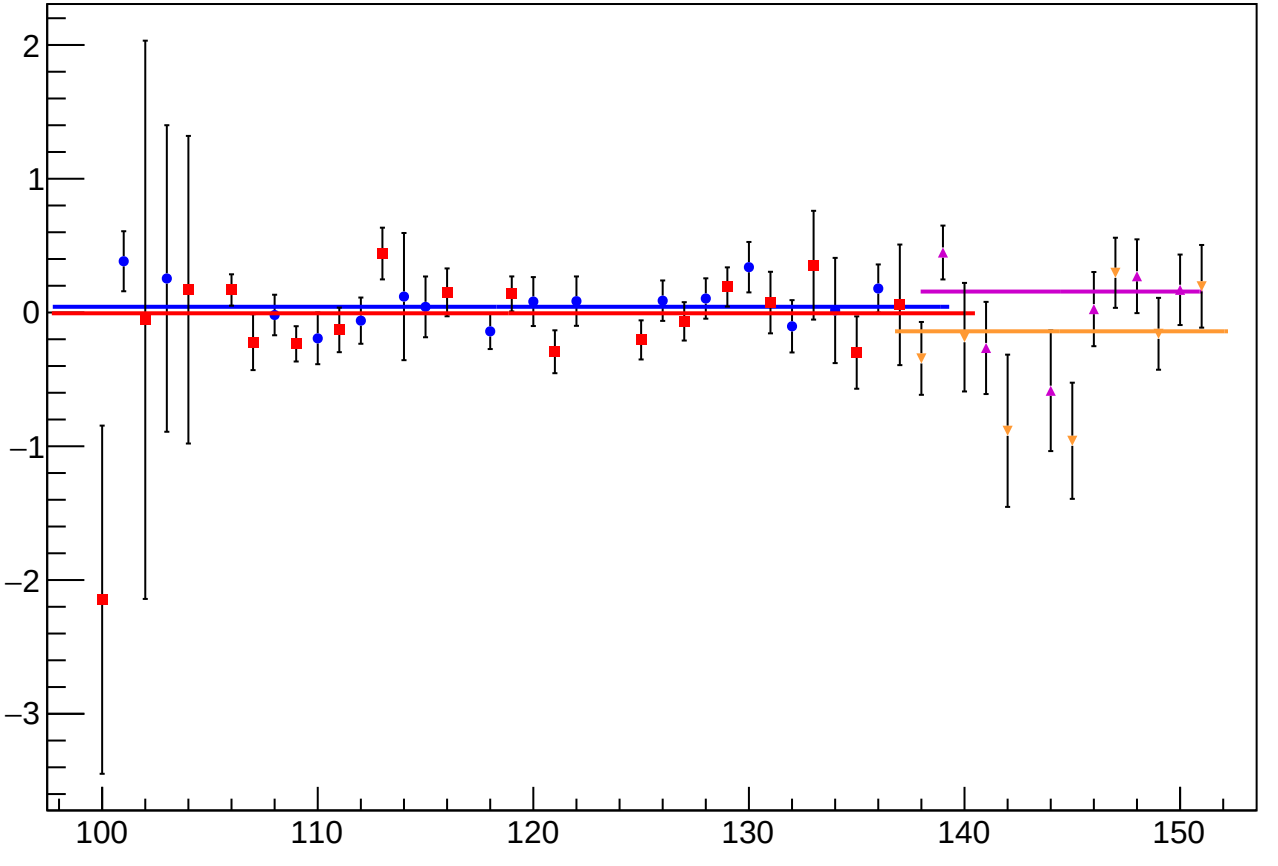
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 136.272+/-0.031 χ^2/NDF:4521108.0/21

Out: 120.027+/-0.029 χ^2/NDF:6673819.6/24

All: 127.600+/-0.021 χ^2/NDF: 11342114.2/46

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.141+/-0.122 χ^2/NDF:9.8/6

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.157+/-0.113 χ^2/NDF:6.7/5

Left: 0.020+/-0.083 χ^2/NDF: 19.7/12

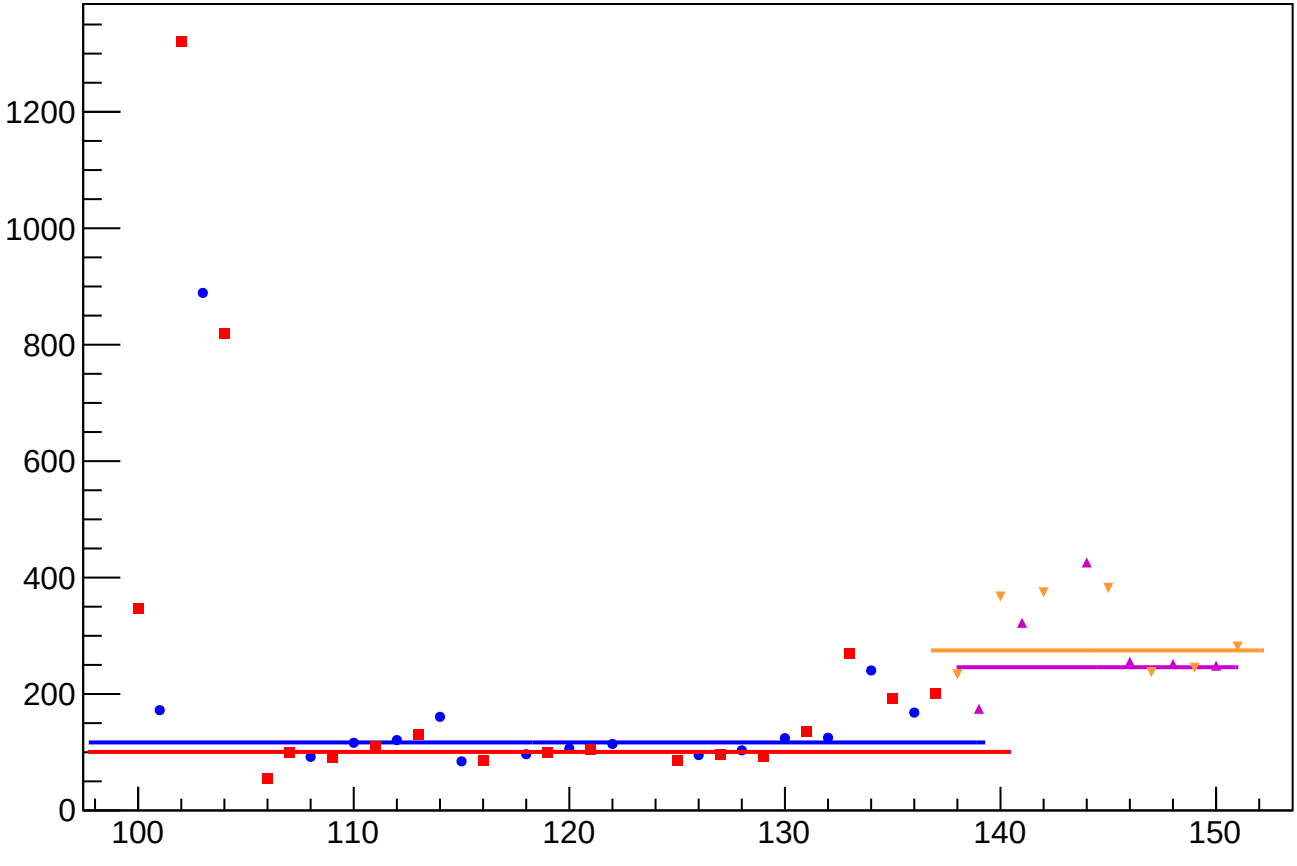
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.060+/-0.044 χ^2/NDF:17.8/21

Out: -0.021+/-0.041 χ^2/NDF:36.9/24

All: 0.017+/-0.030 χ^2/NDF: 56.6/46

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: 274.949+/-0.086 χ^2/NDF:398486.1/6

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 246.024+/-0.080 χ^2/NDF:672066.0/5

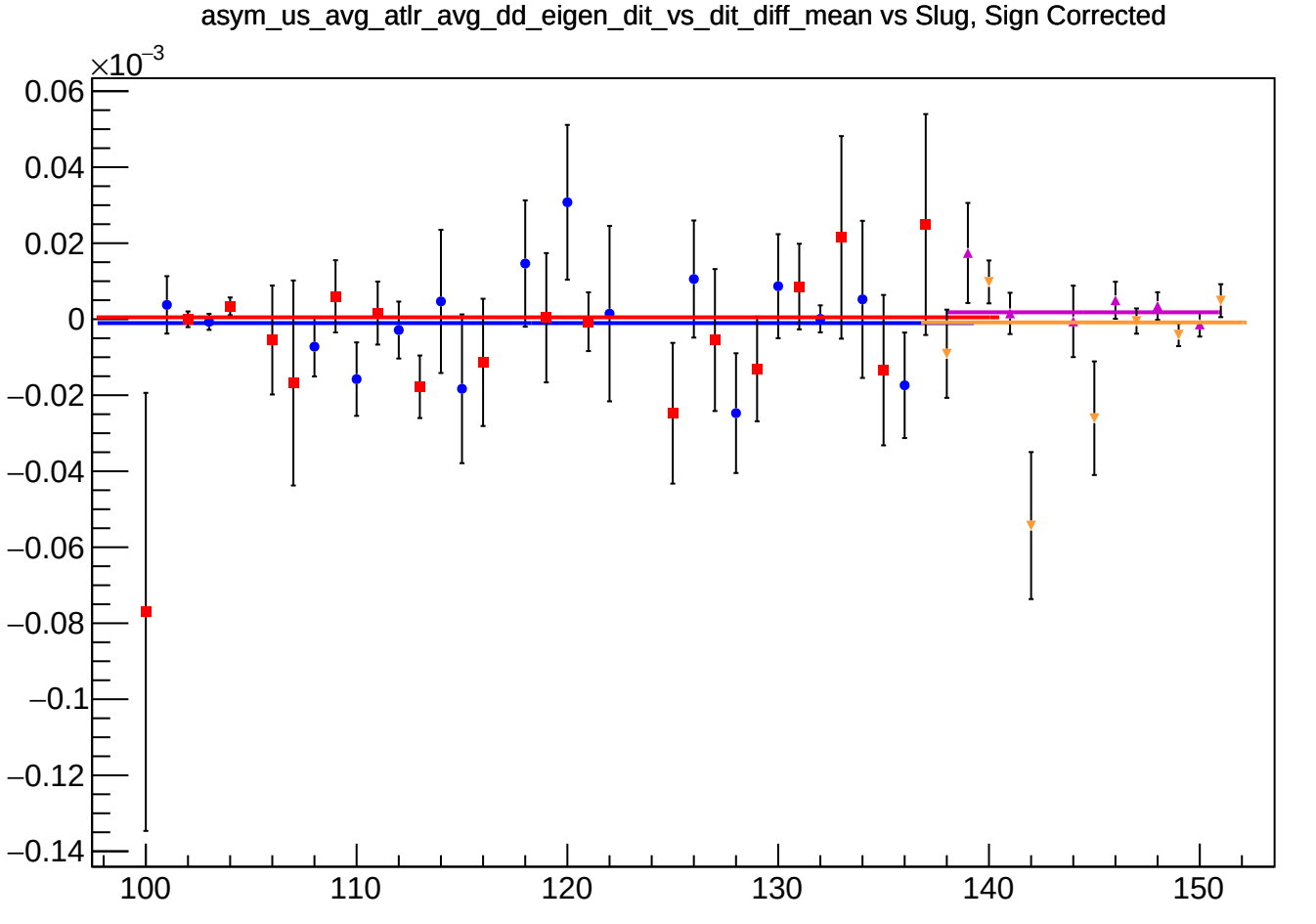
Left: 259.318+/-0.059 χ^2/NDF: 1130978.5/12

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 136.272+/-0.031 χ^2/NDF:4521108.0/21

Out: 120.027+/-0.029 χ^2/NDF:6673819.6/24

All: 127.600+/-0.021 χ^2/NDF: 11342114.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.1/5

Left: 0.000+/-0.000 χ^2/NDF: 21.5/12

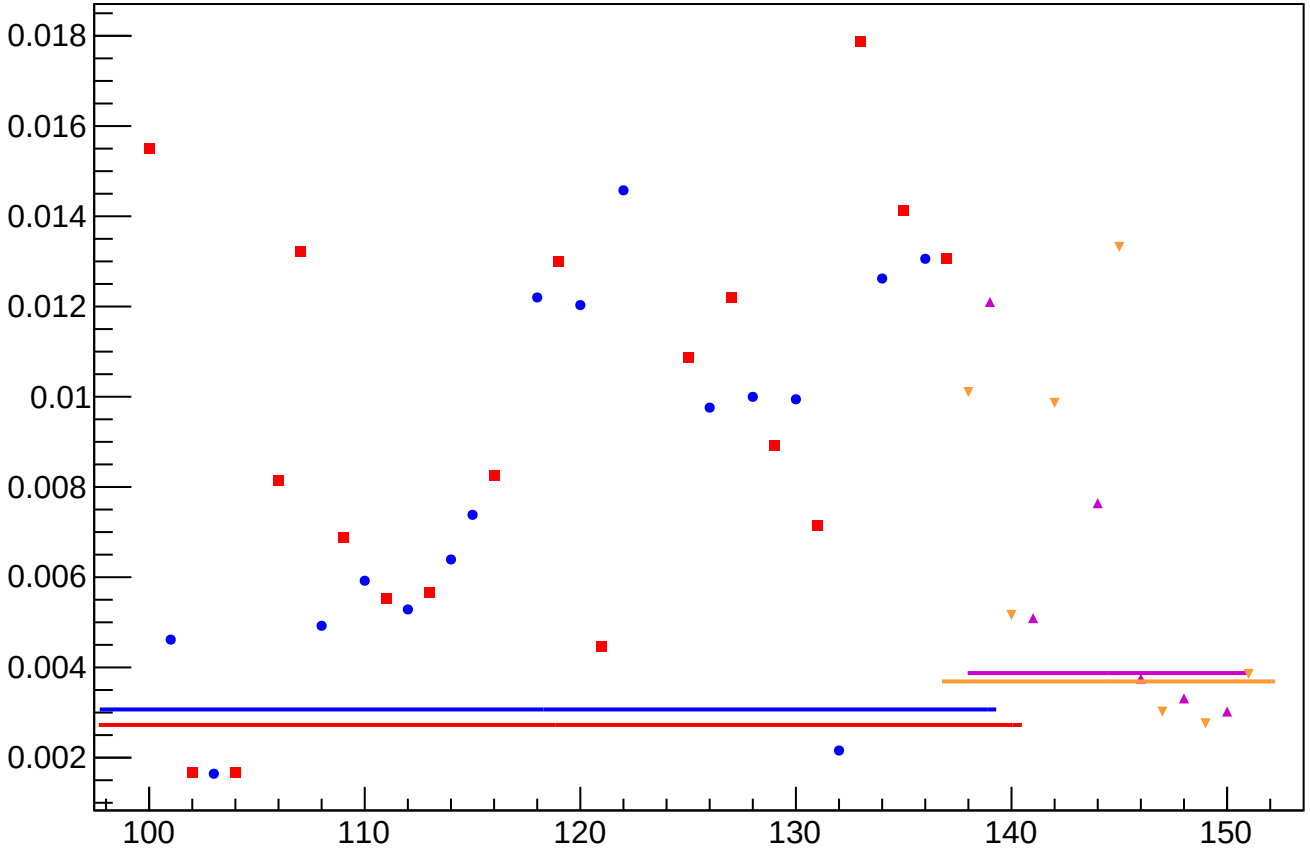
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:17.0/21

Out: 0.000+/-0.000 χ^2/NDF:32.8/24

All: 0.000+/-0.000 χ^2/NDF: 49.8/46

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:2054837.0/6

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1394030.5/5

Left: 0.004+/-0.000 χ^2/NDF: 3458561.2/12

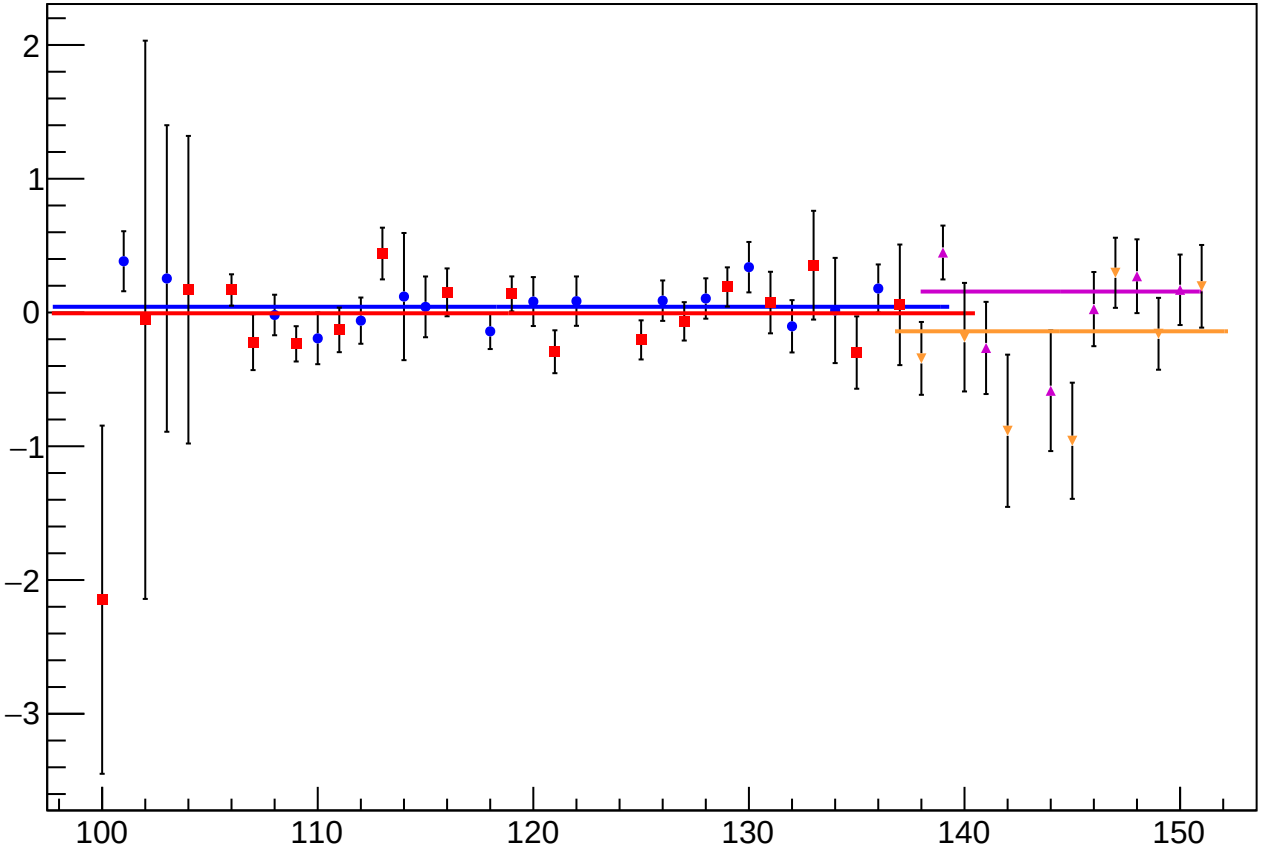
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:7566824.8/21

Out: 0.003+/-0.000 χ^2/NDF:9120769.2/24

All: 0.003+/-0.000 χ^2/NDF: 16758664.7/46

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: -0.141+/-0.122 χ^2/NDF:9.8/6

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.157+/-0.113 χ^2/NDF:6.7/5

Left: 0.020+/-0.083 χ^2/NDF: 19.7/12

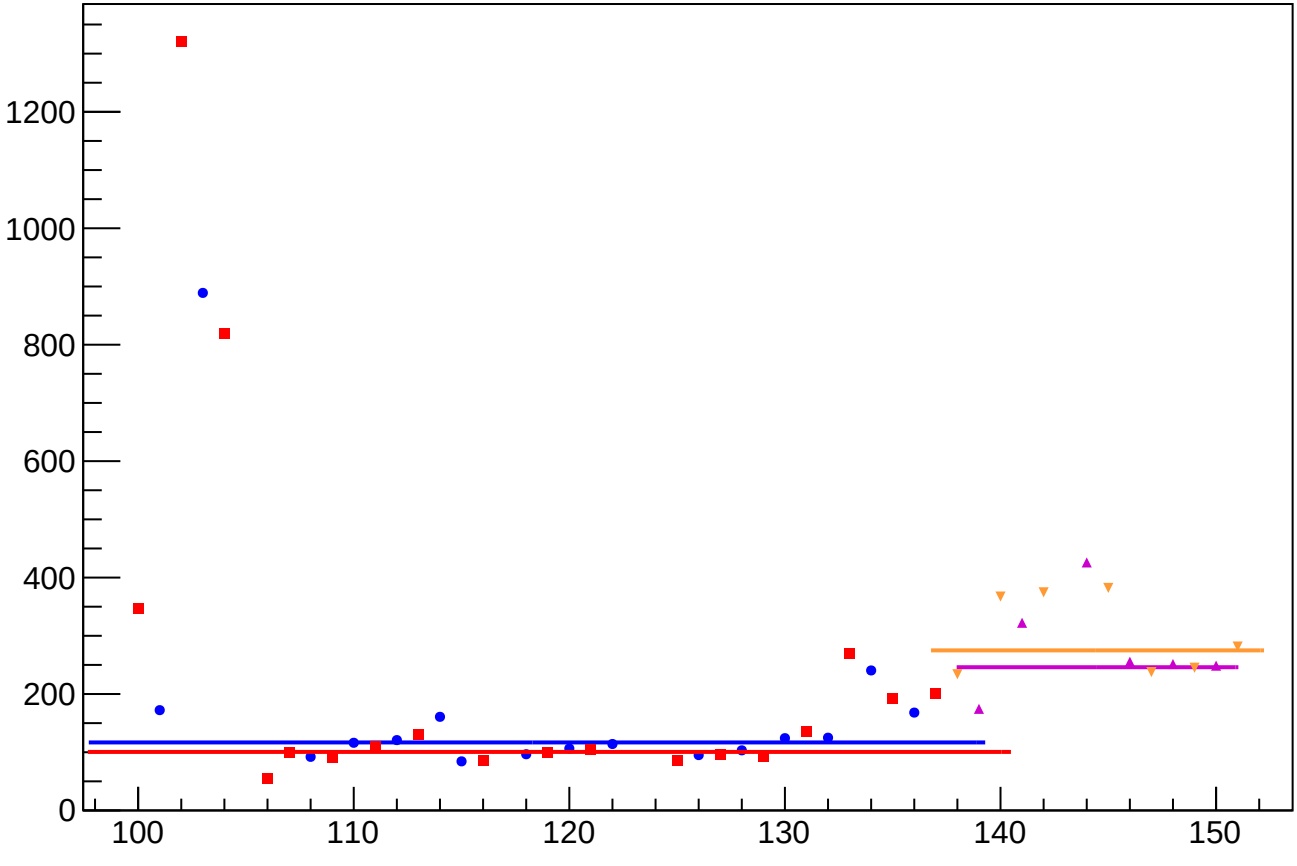
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.060+/-0.044 χ^2/NDF:17.8/21

Out: -0.021+/-0.041 χ^2/NDF:36.9/24

All: 0.017+/-0.030 χ^2/NDF: 56.6/46

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: 274.951+/-0.086 χ^2/NDF:398488.3/6

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 246.028+/-0.080 χ^2/NDF:672037.0/5

Left: 259.321+/-0.059 χ^2/NDF: 1130945.2/12

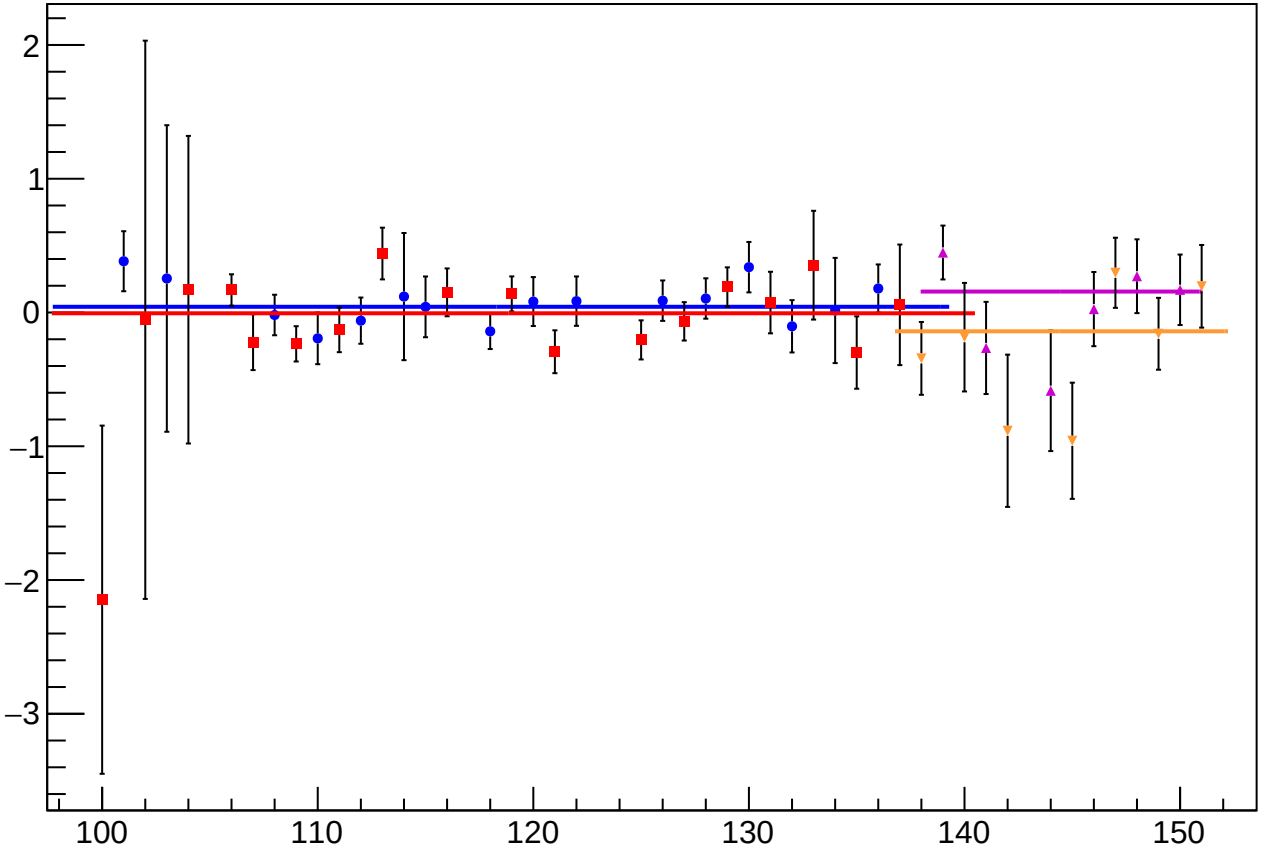
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 136.272+/-0.031 χ^2/NDF:4521161.7/21

Out: 120.026+/-0.029 χ^2/NDF:6673992.7/24

All: 127.599+/-0.021 χ^2/NDF: 11342361.2/46

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: -0.141+/-0.122 χ^2/NDF:9.8/6

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.157+/-0.113 χ^2/NDF:6.7/5

Left: 0.020+/-0.083 χ^2/NDF: 19.7/12

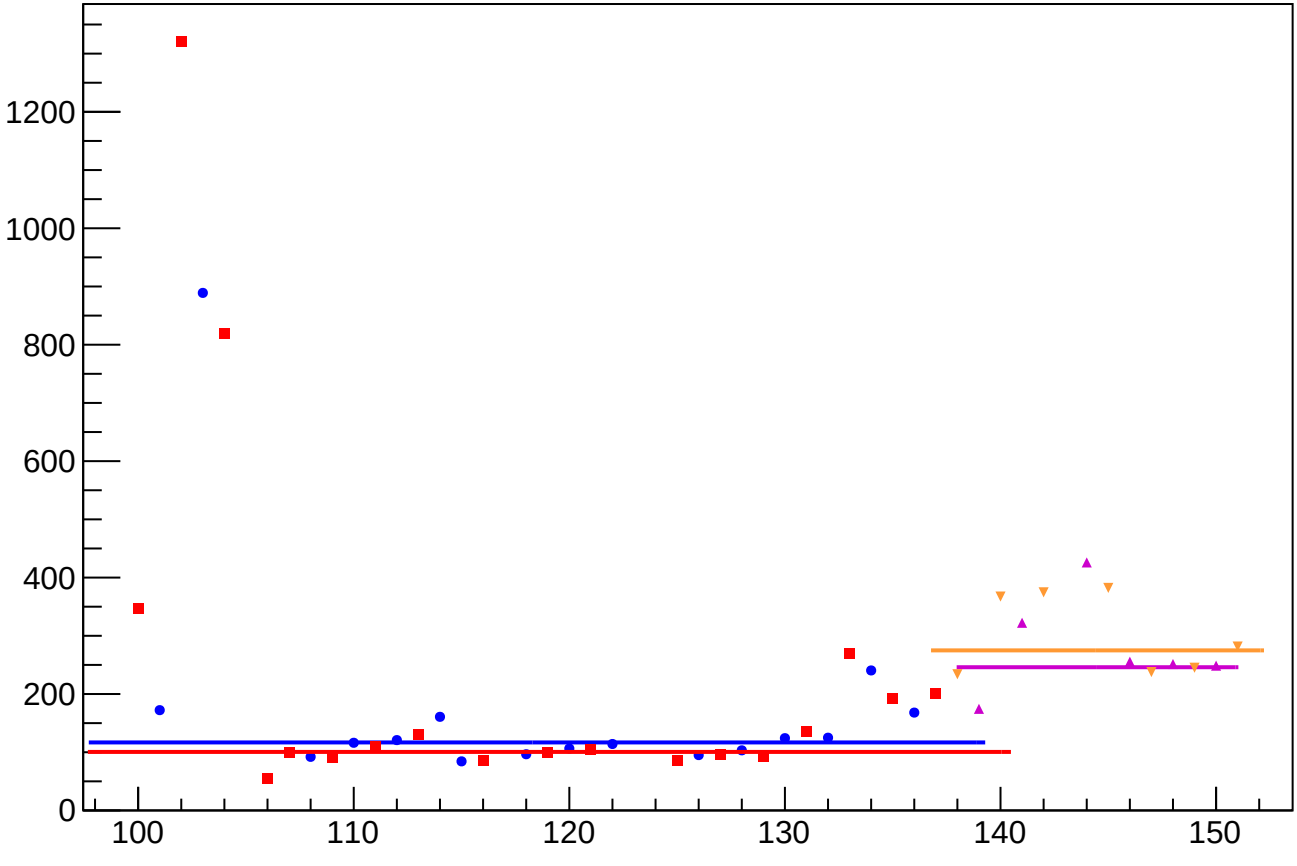
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.060+/-0.044 χ^2/NDF:17.8/21

Out: -0.021+/-0.041 χ^2/NDF:36.9/24

All: 0.017+/-0.030 χ^2/NDF: 56.6/46

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: 274.951+/-0.086 χ^2/NDF:398488.3/6

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 246.028+/-0.080 χ^2/NDF:672037.0/5

Left: 259.321+/-0.059 χ^2/NDF: 1130945.2/12

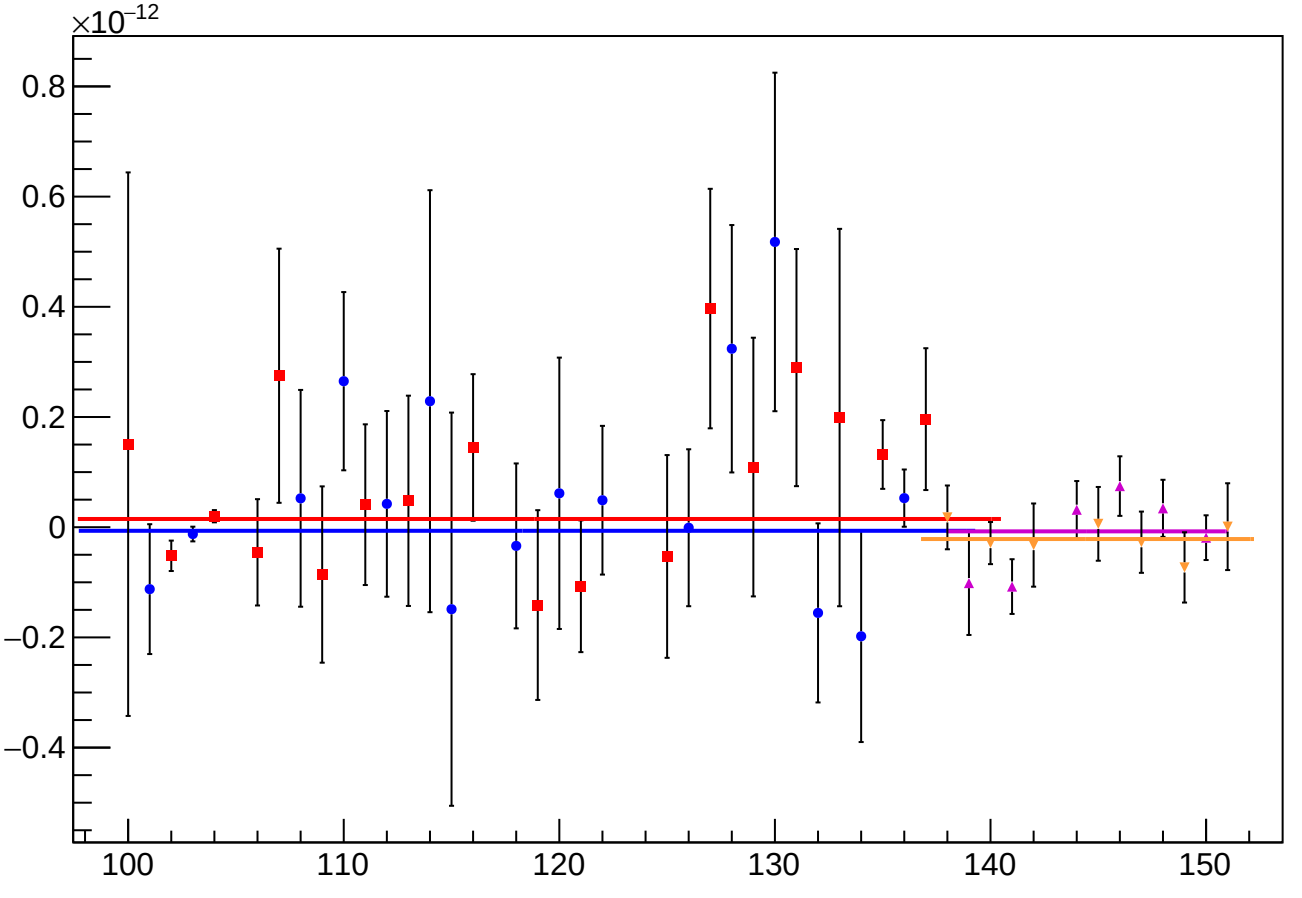
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 136.272+/-0.031 χ^2/NDF:4521161.7/21

Out: 120.026+/-0.029 χ^2/NDF:6673992.7/24

All: 127.599+/-0.021 χ^2/NDF: 11342361.2/46

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:8.7/5

Left: -0.000+/-0.000 χ^2/NDF: 10.3/12

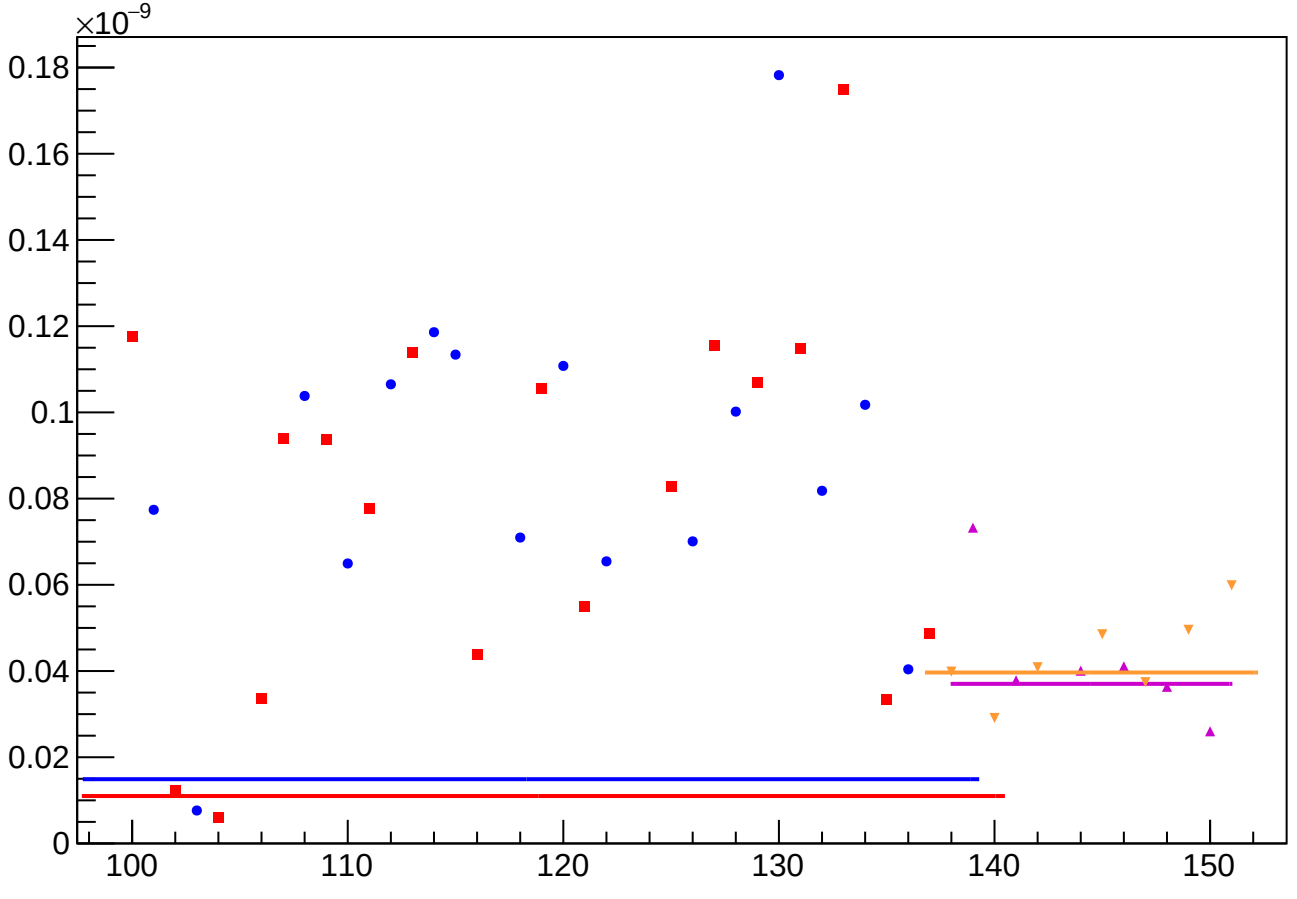
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:21.7/21

Out: 0.000+/-0.000 χ^2/NDF:25.7/24

All: 0.000+/-0.000 χ^2/NDF: 48.6/46

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:371505.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:461981.3/5

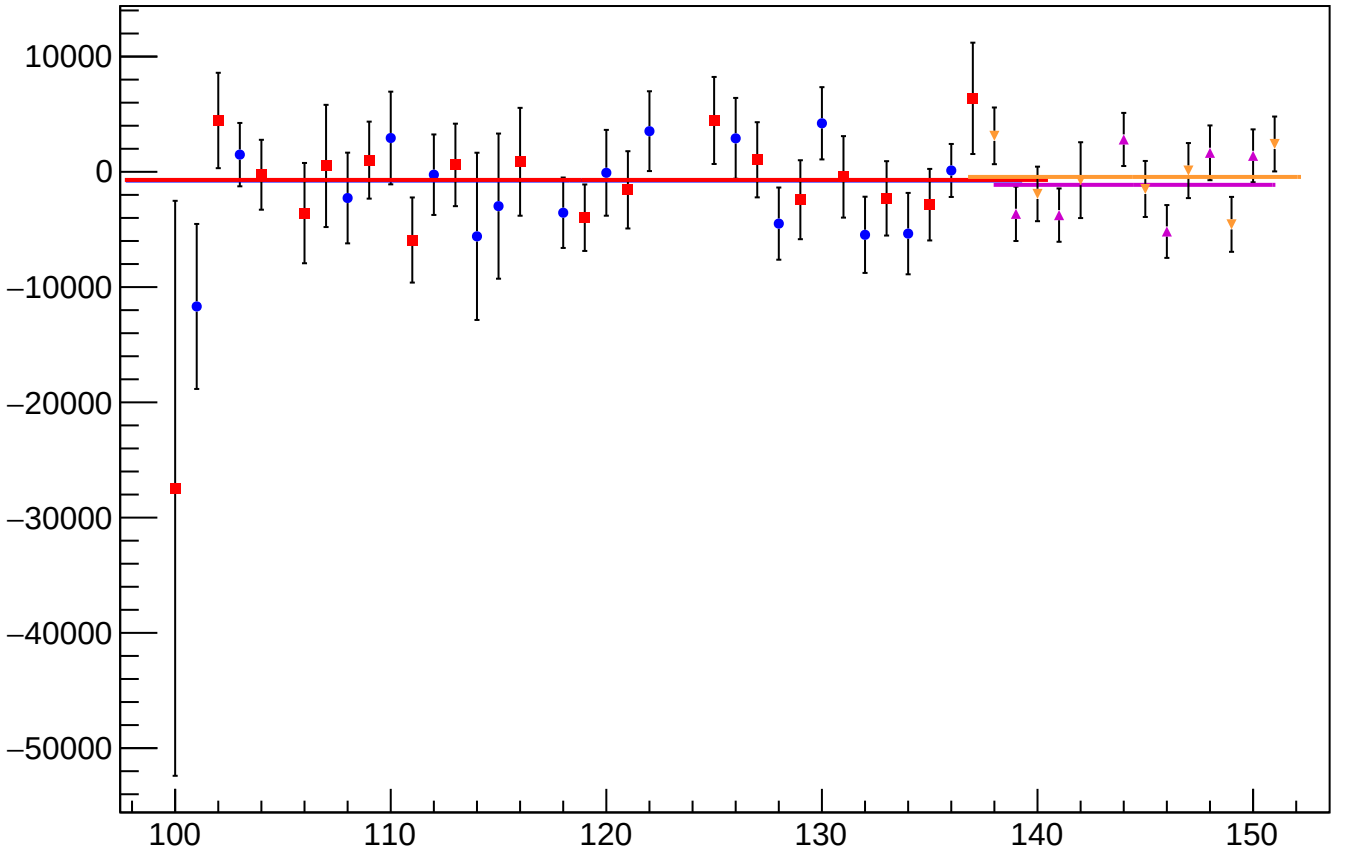
Left: 0.000+/-0.000 χ^2/NDF: 848477.2/12

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:7963970.7/21

Out: 0.000+/-0.000 χ^2/NDF:9115212.3/24

All: 0.000+/-0.000 χ^2/NDF: 17299854.5/46



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -442.569+/-939.196 χ^2/NDF:7.2/6

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -1129.086+/-948.091 χ^2/NDF:11.0/5

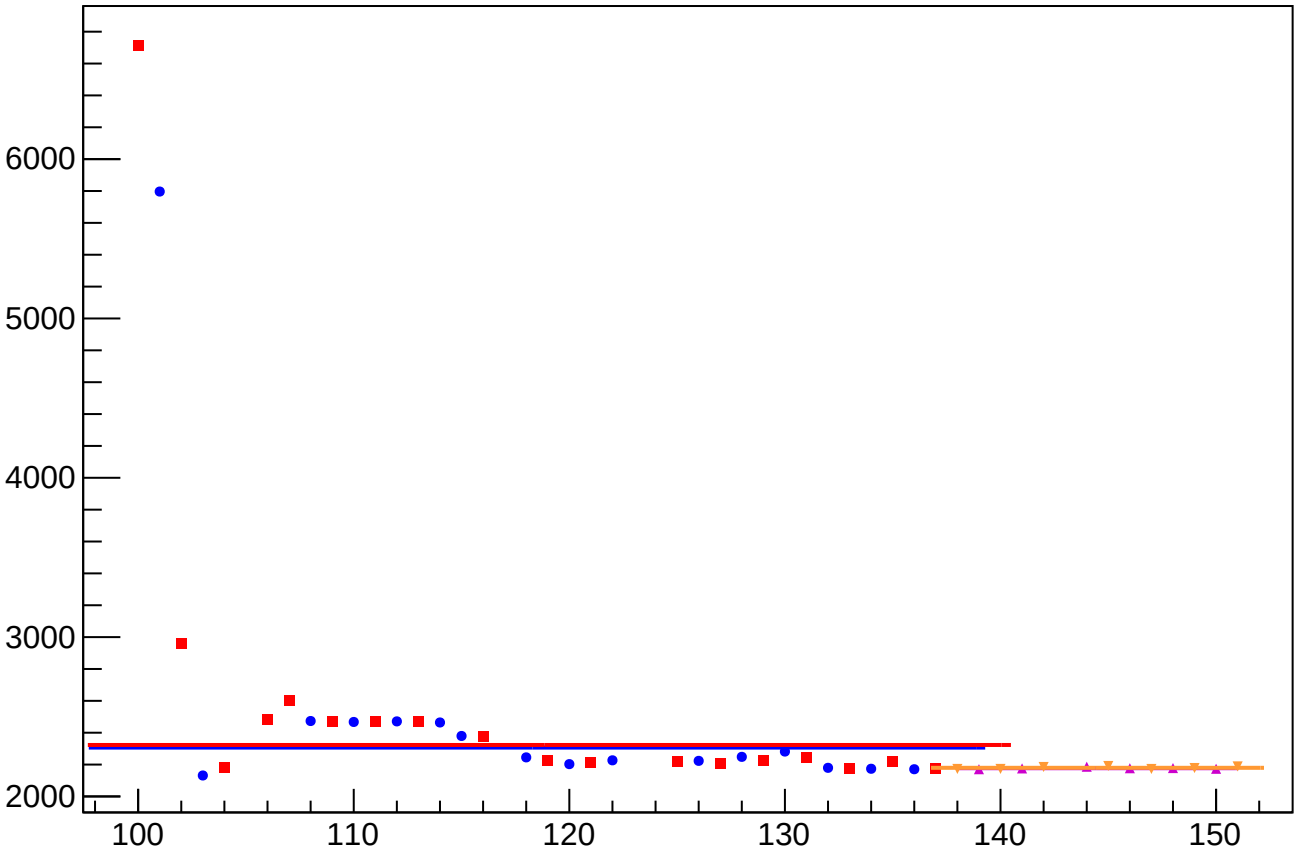
Left: -782.592+/-667.234 χ^2/NDF: 18.5/12

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -926.187+/-642.074 χ^2/NDF:27.0/21

Out: -582.500+/-637.710 χ^2/NDF:19.6/24

All: -753.171+/-452.464 χ^2/NDF: 46.7/46



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.674+/-0.664 χ^2/NDF:129.8/6

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2177.096+/-0.670 χ^2/NDF:52.7/5

Left: 2178.397+/-0.472 χ^2/NDF: 190.0/12

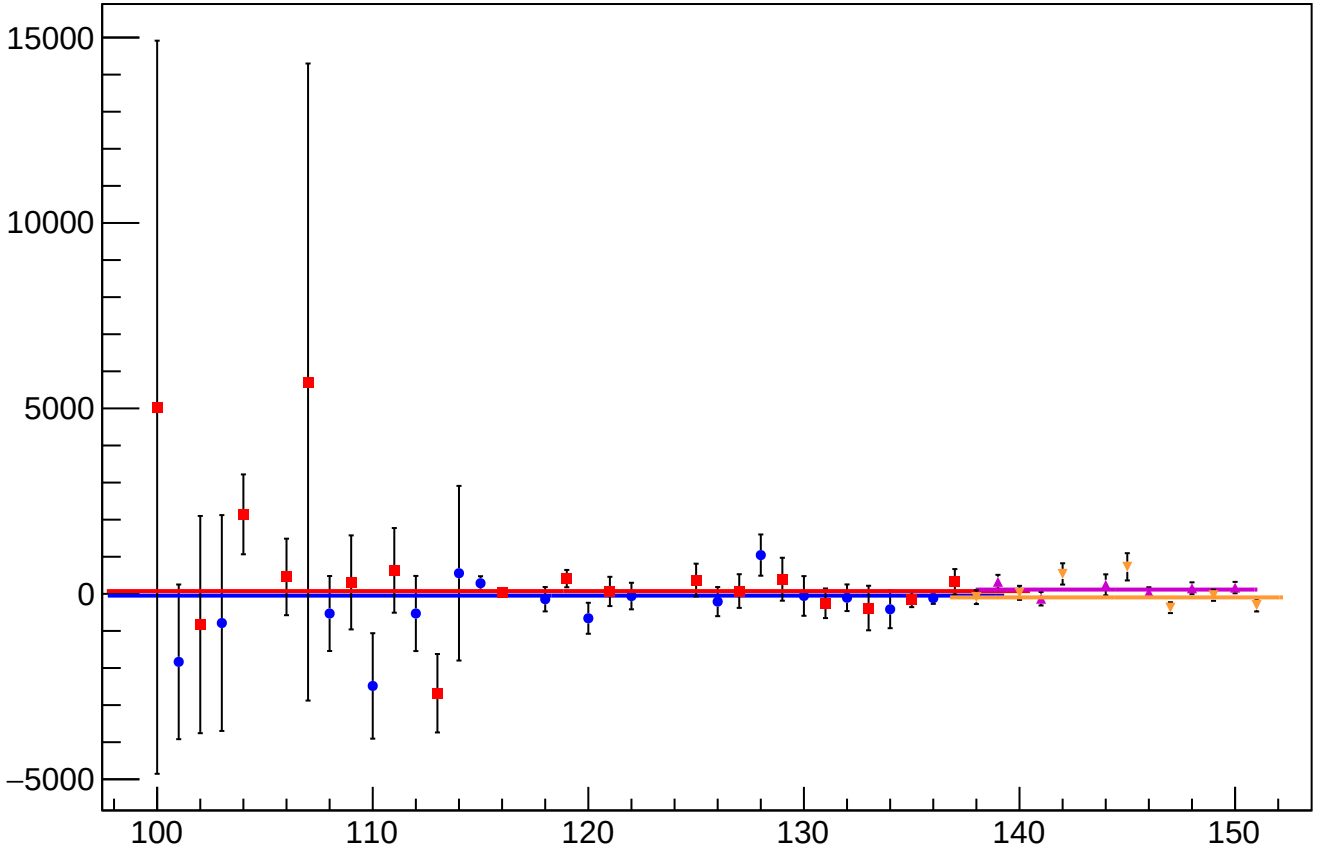
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2247.228+/-0.454 χ^2/NDF:534418.0/21

Out: 2256.928+/-0.451 χ^2/NDF:177023.6/24

All: 2252.111+/-0.320 χ^2/NDF: 711671.3/46

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: -95.984+/-70.656 χ^2/NDF:15.5/6

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 114.853+/-70.074 χ^2/NDF:3.8/5

Left: 10.306+/-49.754 χ^2/NDF: 23.7/12

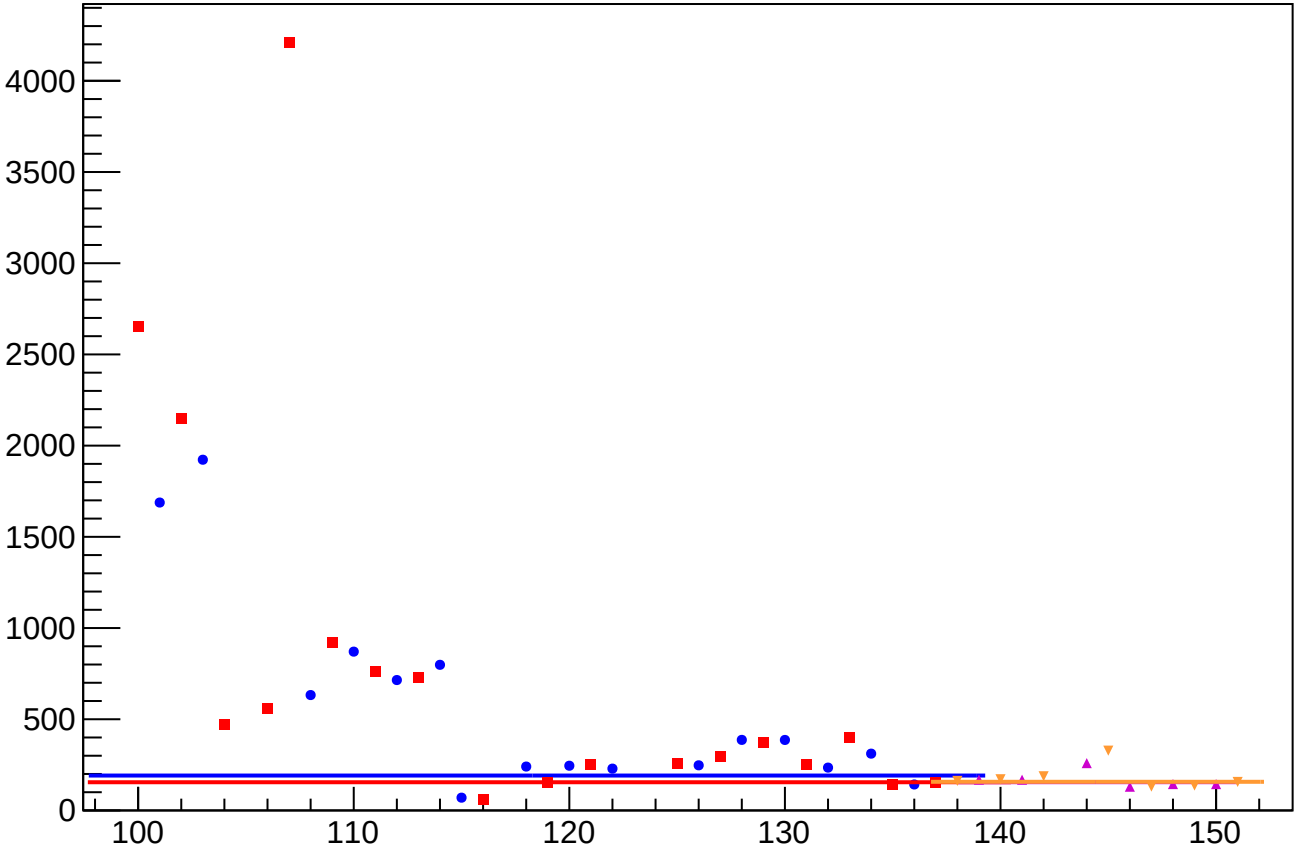
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 54.188+/-55.501 χ^2/NDF:20.1/21

Out: -23.857+/-53.633 χ^2/NDF:35.6/24

All: 13.829+/-38.568 χ^2/NDF: 56.8/46

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: 157.088+/-0.050 χ^2/NDF:568836.4/6

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 154.927+/-0.050 χ^2/NDF:375788.6/5

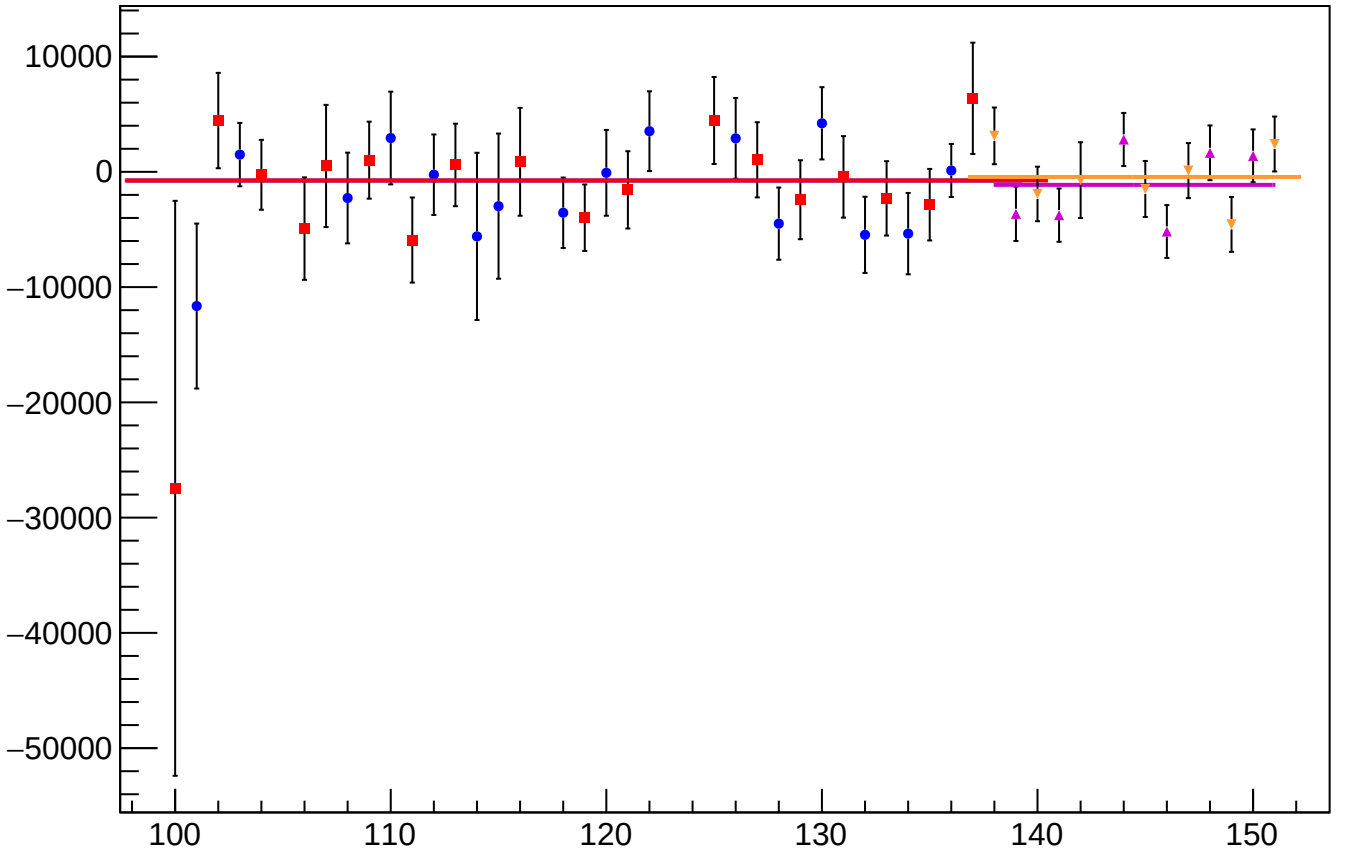
Left: 155.999+/-0.035 χ^2/NDF: 945568.3/12

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 168.513+/-0.039 χ^2/NDF:5642247.6/21

Out: 156.066+/-0.038 χ^2/NDF:6724109.8/24

All: 162.076+/-0.027 χ^2/NDF: 12418369.9/46



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -442.678+/-939.196 χ^2/NDF:7.2/6

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1129.191+/-948.091 χ^2/NDF:11.0/5

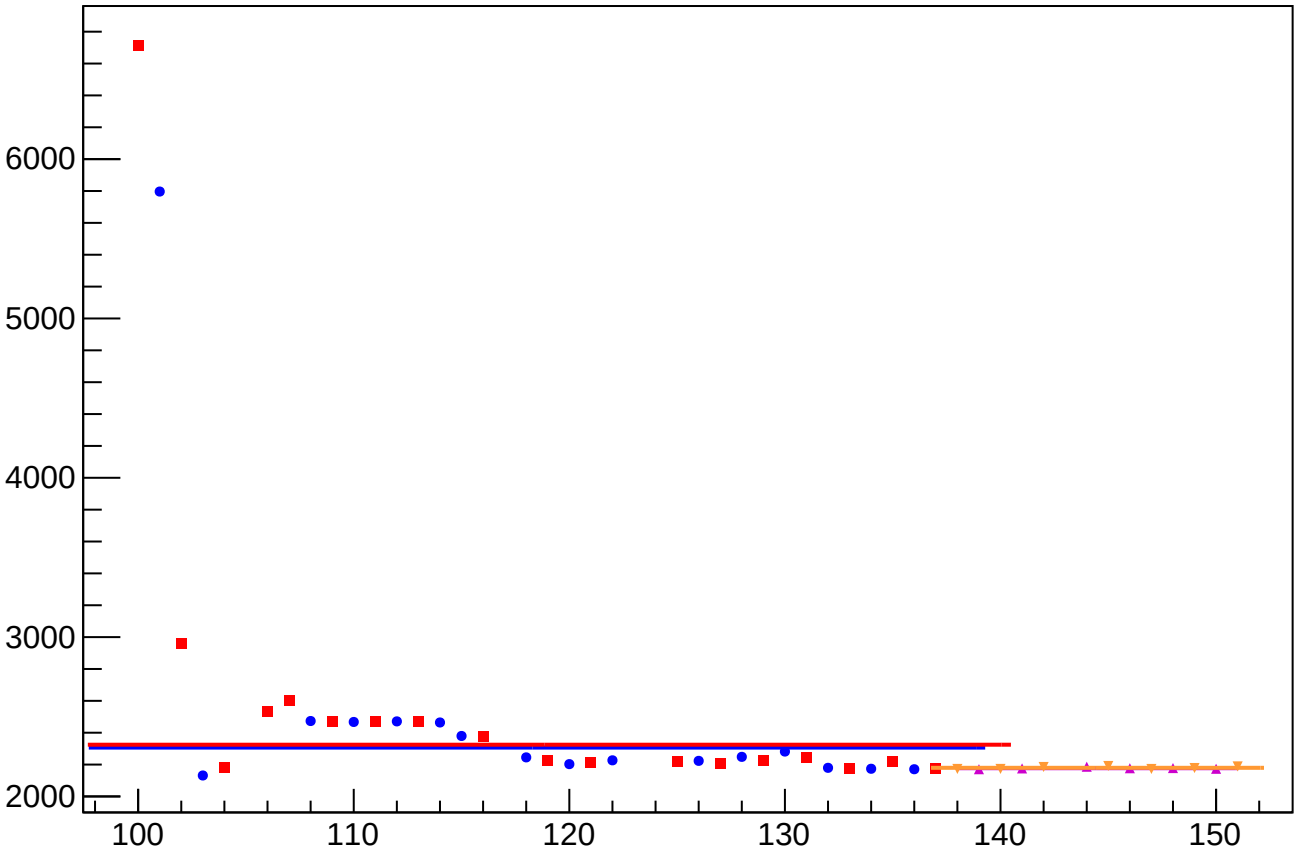
Left: -782.699+/-667.234 χ^2/NDF: 18.5/12

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -925.710+/-642.074 χ^2/NDF:27.0/21

Out: -607.819+/-637.995 χ^2/NDF:20.0/24

All: -765.751+/-452.566 χ^2/NDF: 47.1/46



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.674+/-0.664 χ^2/NDF:129.8/6

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.096+/-0.670 χ^2/NDF:52.7/5

Left: 2178.397+/-0.472 χ^2/NDF: 190.0/12

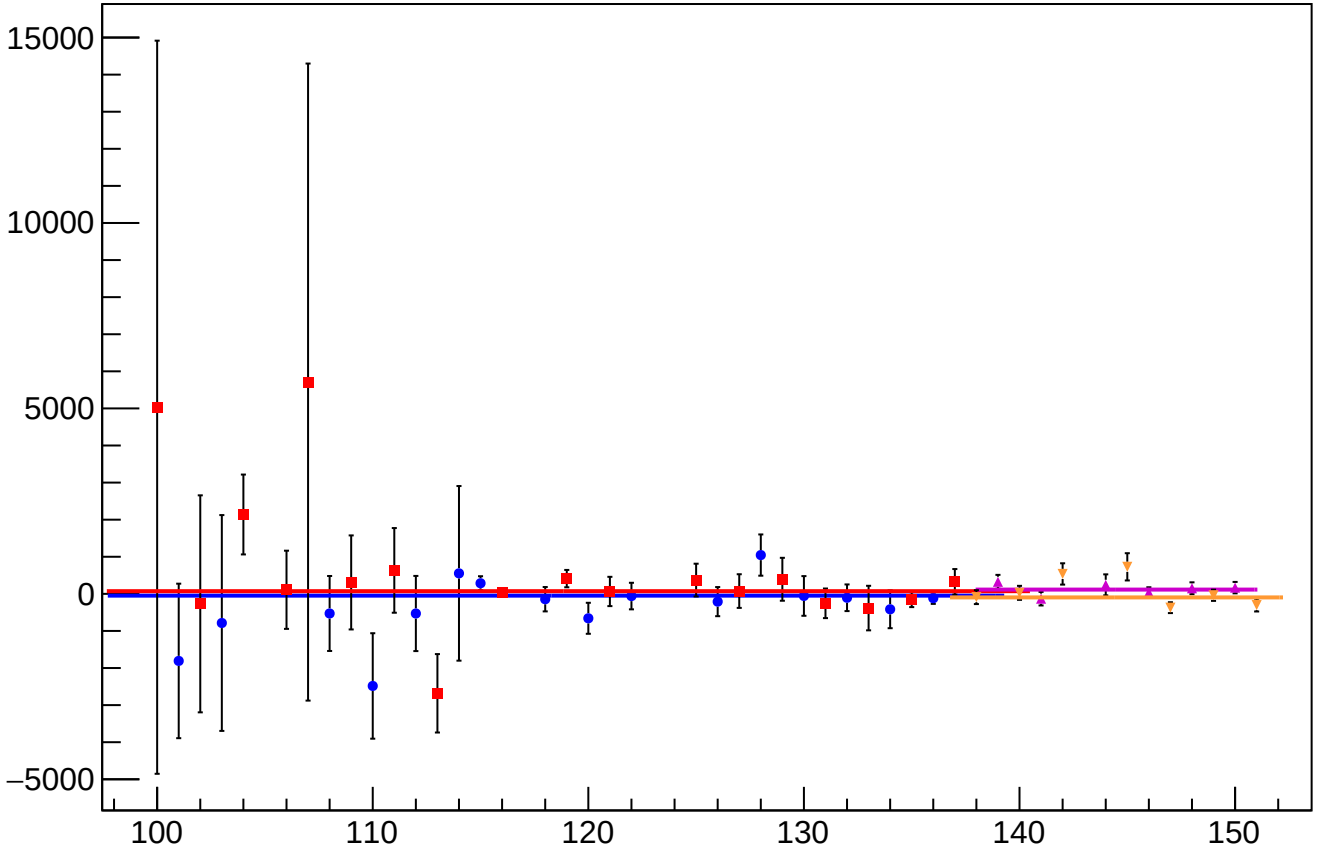
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2247.228+/-0.454 χ^2/NDF:534418.3/21

Out: 2257.770+/-0.451 χ^2/NDF:179385.3/24

All: 2252.533+/-0.320 χ^2/NDF: 714075.0/46

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: -96.045+/-70.658 χ^2/NDF:15.5/6

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 114.834+/-70.079 χ^2/NDF:3.7/5

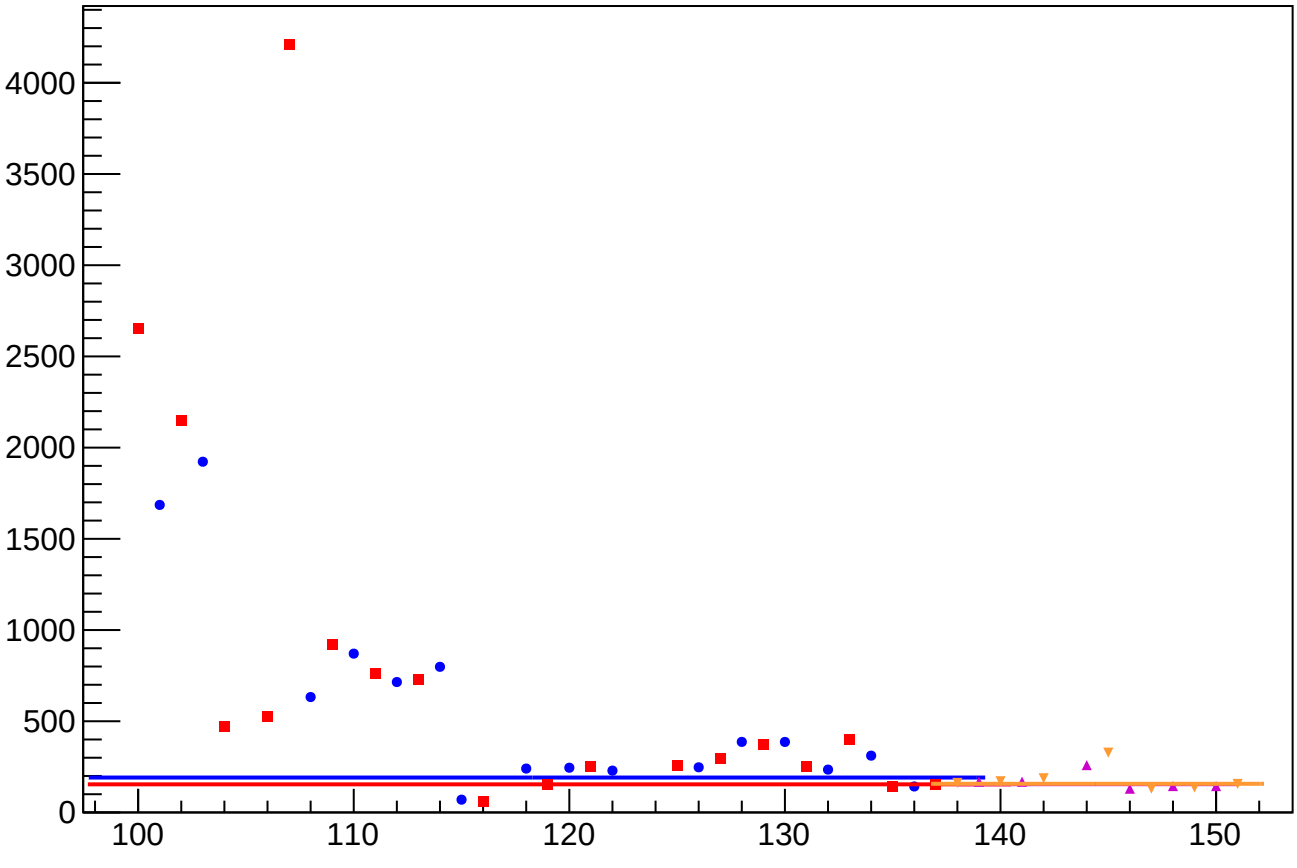
Left: 10.262+/-49.757 χ^2/NDF: 23.7/12

Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 54.162+/-55.505 χ^2/NDF:20.1/21

Out: -24.677+/-53.617 χ^2/NDF:35.3/24

All: 13.379+/-38.563 χ^2/NDF: 56.5/46



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 157.093+/-0.050 χ^2/NDF:568939.2/6

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 154.941+/-0.050 χ^2/NDF:375689.1/5

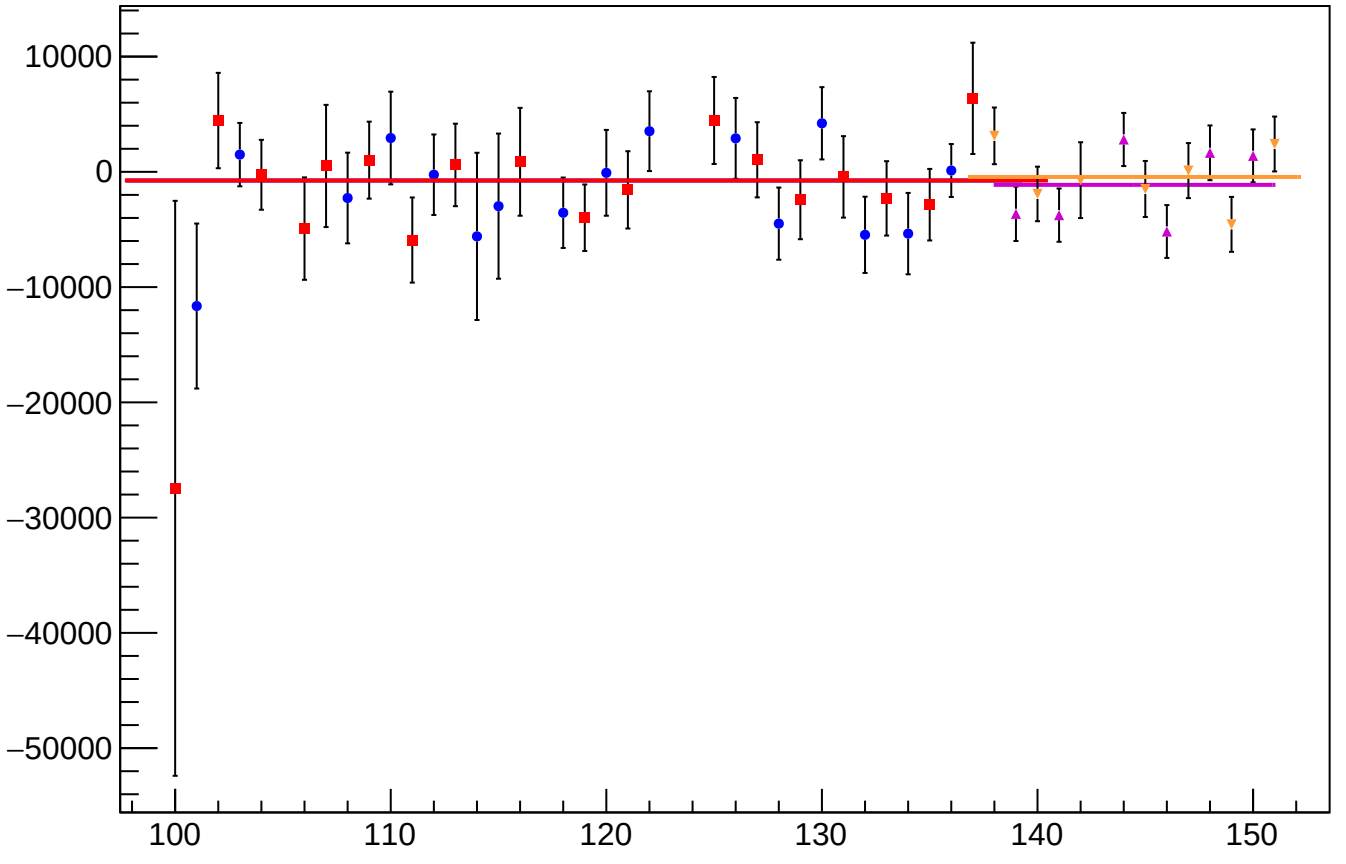
Left: 156.008+/-0.035 χ^2/NDF: 945563.4/12

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 168.531+/-0.039 χ^2/NDF:5641089.7/21

Out: 155.832+/-0.038 χ^2/NDF:6679105.3/24

All: 161.962+/-0.027 χ^2/NDF: 12374346.3/46



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -442.678+/-939.196 χ^2/NDF:7.2/6

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1129.191+/-948.091 χ^2/NDF:11.0/5

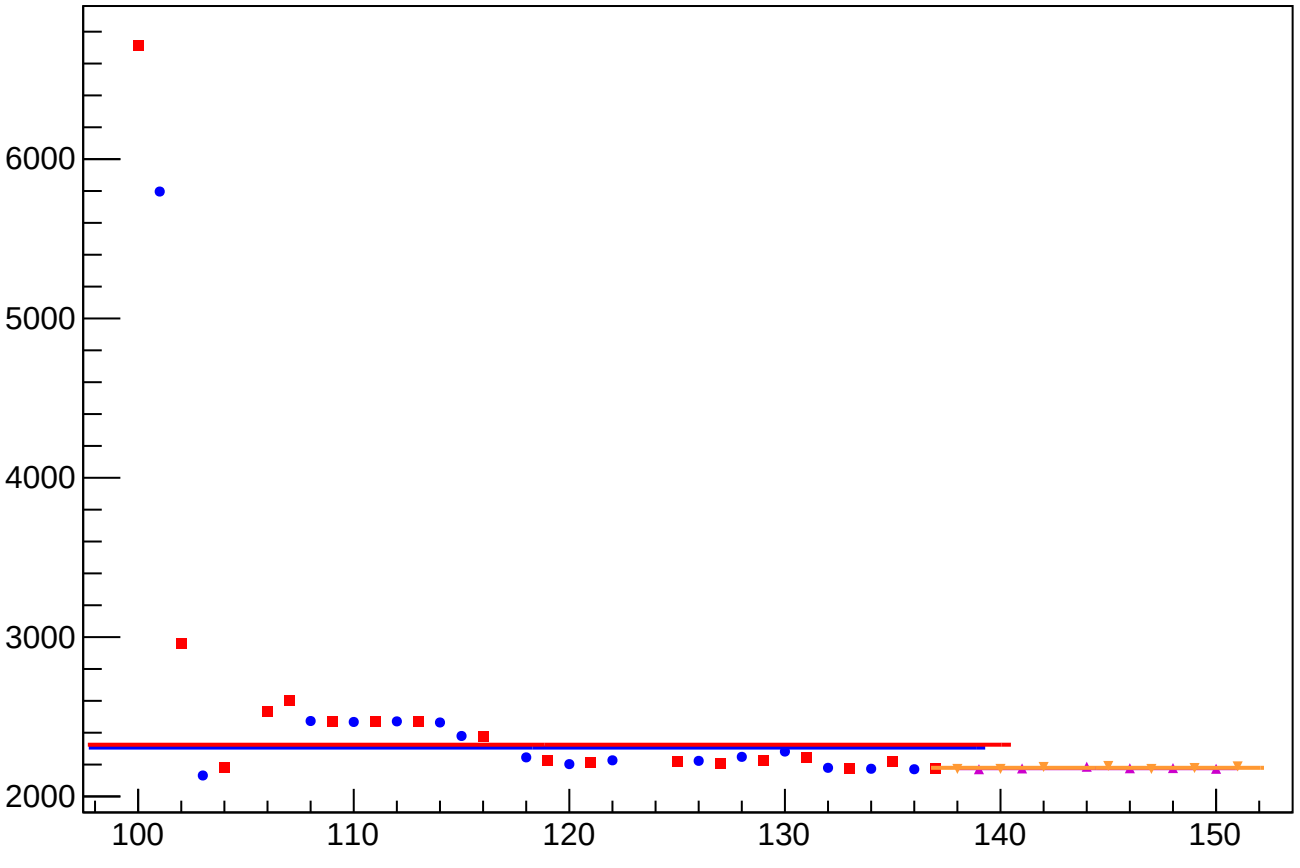
Left: -782.699+/-667.234 χ^2/NDF: 18.5/12

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -925.710+/-642.074 χ^2/NDF:27.0/21

Out: -607.819+/-637.995 χ^2/NDF:20.0/24

All: -765.751+/-452.566 χ^2/NDF: 47.1/46



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.674+/-0.664 χ^2/NDF:129.8/6

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2177.096+/-0.670 χ^2/NDF:52.7/5

Left: 2178.397+/-0.472 χ^2/NDF: 190.0/12

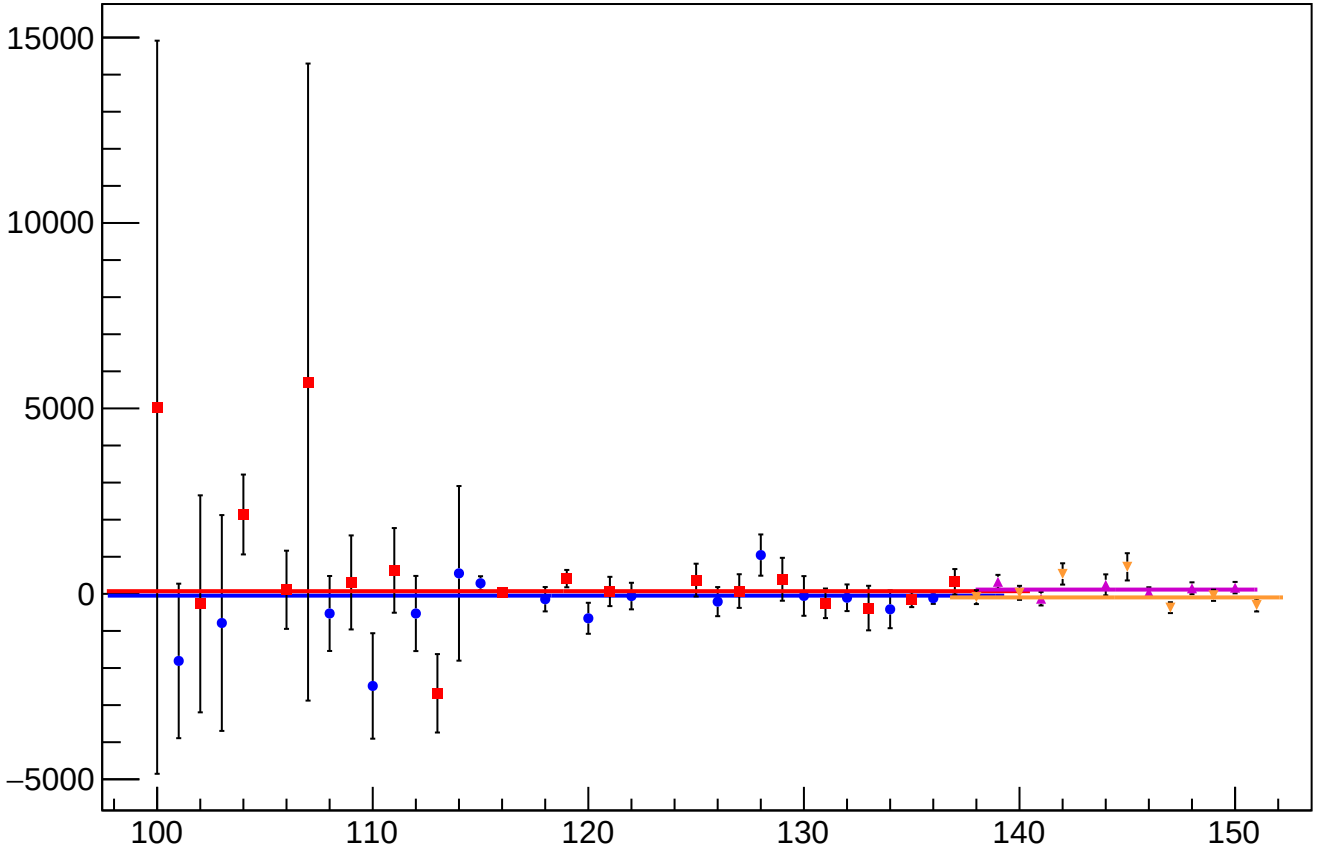
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2247.228+/-0.454 χ^2/NDF:534418.3/21

Out: 2257.770+/-0.451 χ^2/NDF:179385.3/24

All: 2252.533+/-0.320 χ^2/NDF: 714075.0/46

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: -96.045+/-70.658 χ^2/NDF:15.5/6

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 114.834+/-70.079 χ^2/NDF:3.7/5

Left: 10.262+/-49.757 χ^2/NDF: 23.7/12

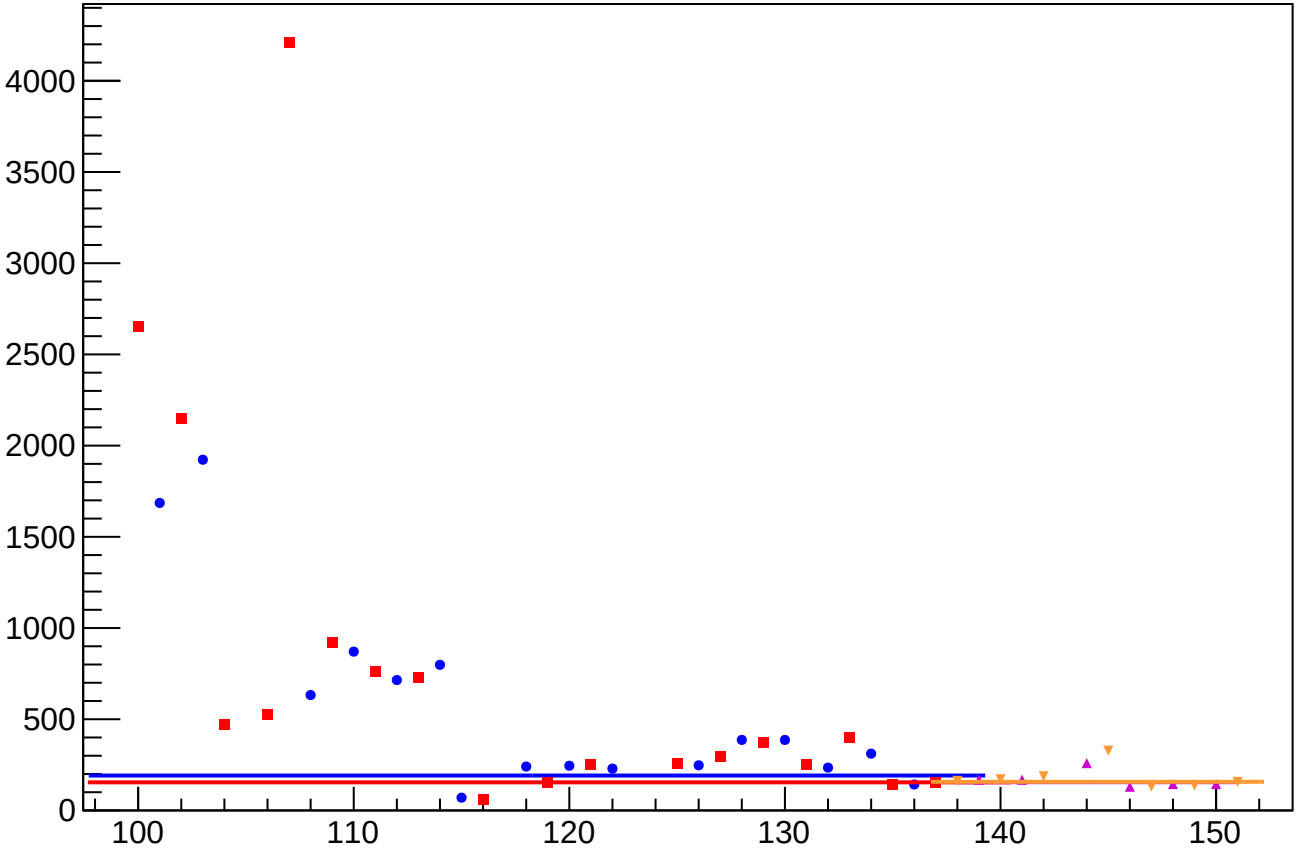
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 54.162+/-55.505 χ^2/NDF:20.1/21

Out: -24.677+/-53.617 χ^2/NDF:35.3/24

All: 13.379+/-38.563 χ^2/NDF: 56.5/46

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: 157.093+/-0.050 χ^2/NDF:568939.2/6

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 154.941+/-0.050 χ^2/NDF:375689.1/5

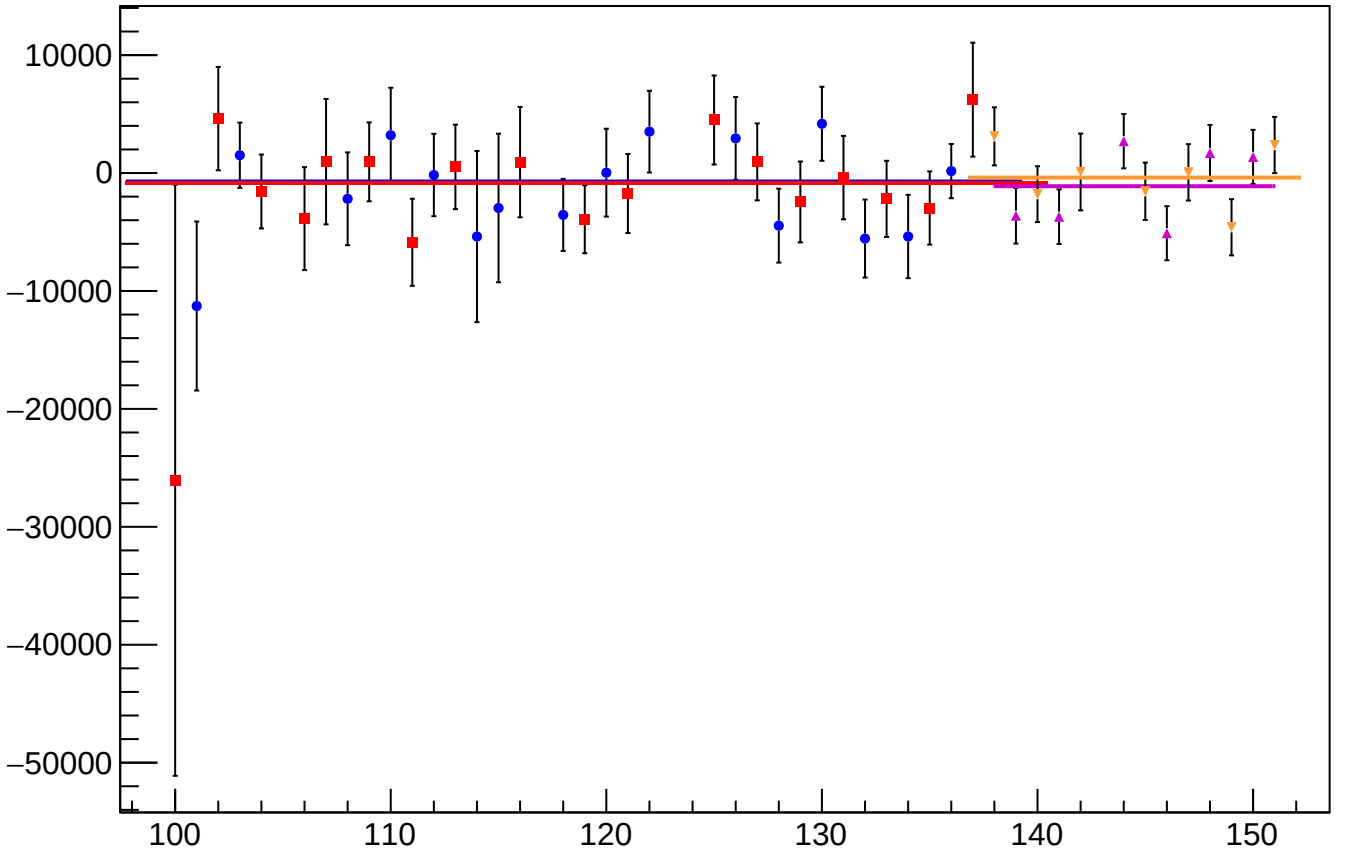
Left: 156.008+/-0.035 χ^2/NDF: 945563.4/12

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 168.531+/-0.039 χ^2/NDF:5641089.7/21

Out: 155.832+/-0.038 χ^2/NDF:6679105.3/24

All: 161.962+/-0.027 χ^2/NDF: 12374346.3/46



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -386.090+/-938.699 χ^2/NDF:7.1/6

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -1115.999+/-948.455 χ^2/NDF:10.7/5

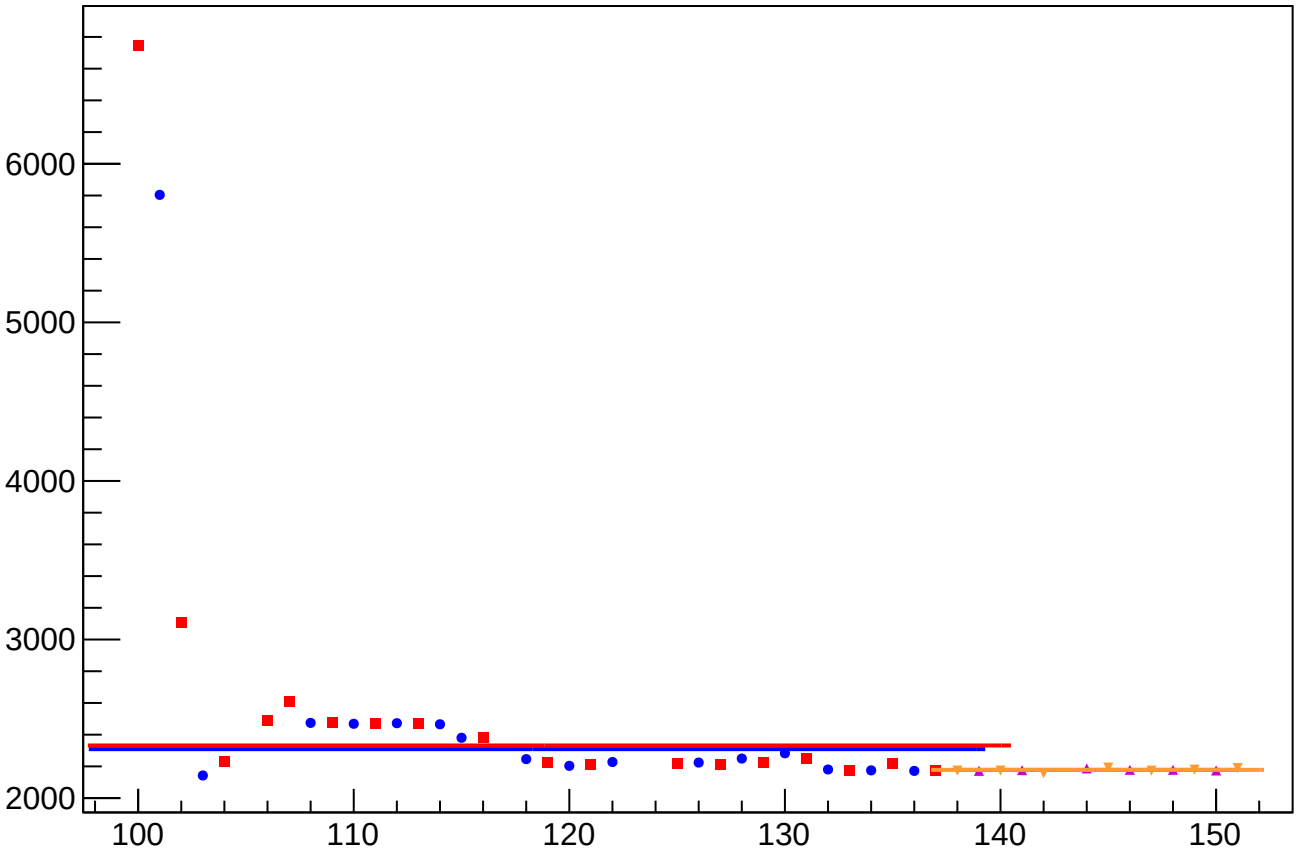
Left: -747.271+/-667.183 χ^2/NDF: 18.1/12

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -900.195+/-642.540 χ^2/NDF:26.7/21

Out: -630.488+/-639.500 χ^2/NDF:19.4/24

All: -764.702+/-453.266 χ^2/NDF: 46.2/46



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.041+/-0.664 χ^2/NDF:224.3/6

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2177.933+/-0.671 χ^2/NDF:51.6/5

Left: 2177.987+/-0.472 χ^2/NDF: 275.9/12

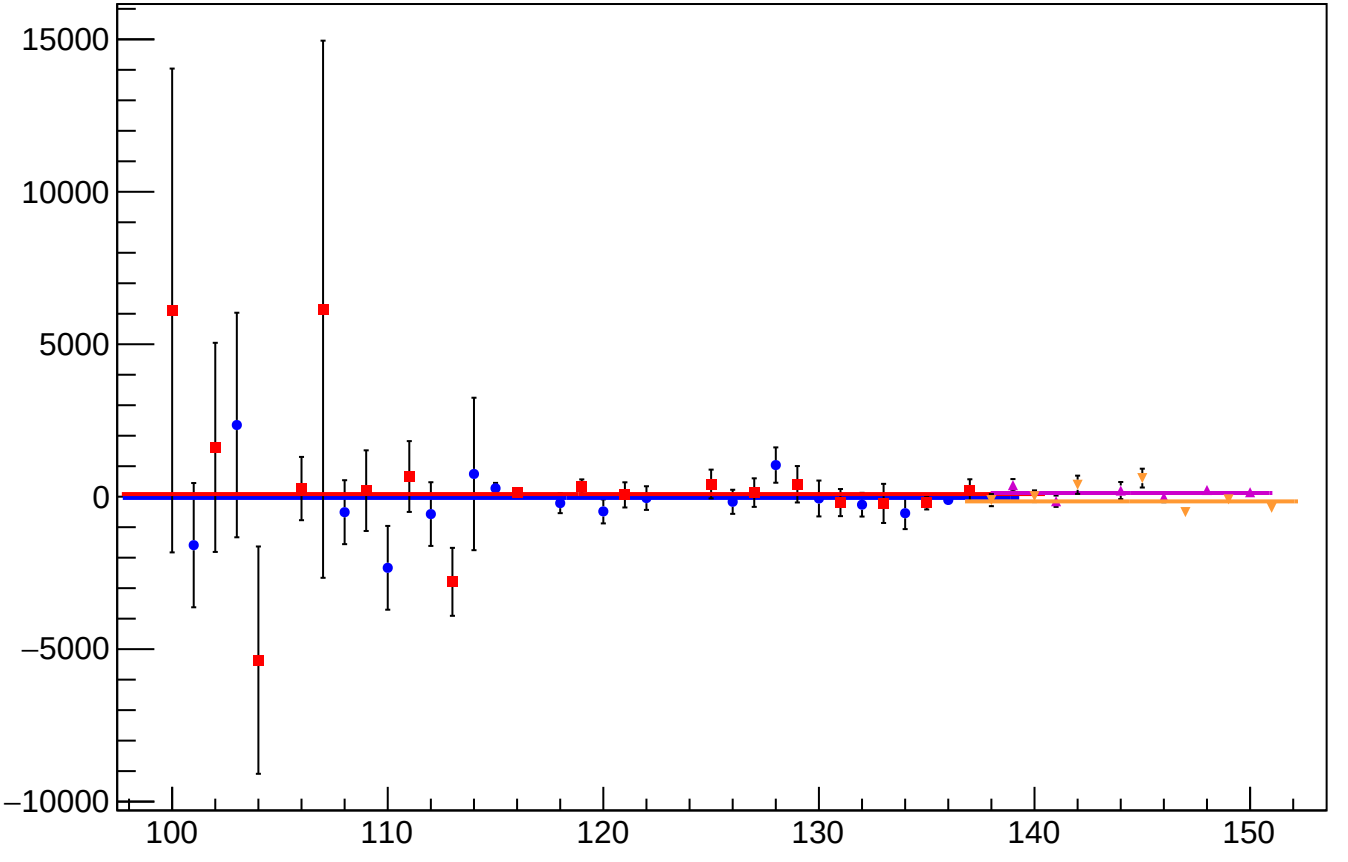
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2248.705+/-0.454 χ^2/NDF:534376.0/21

Out: 2260.464+/-0.452 χ^2/NDF:196320.5/24

All: 2254.613+/-0.321 χ^2/NDF: 731033.0/46

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -153.952+/-71.077 χ^2/NDF:17.4/6

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 121.305+/-72.771 χ^2/NDF:5.0/5

Left: -19.566+/-50.847 χ^2/NDF: 29.6/12

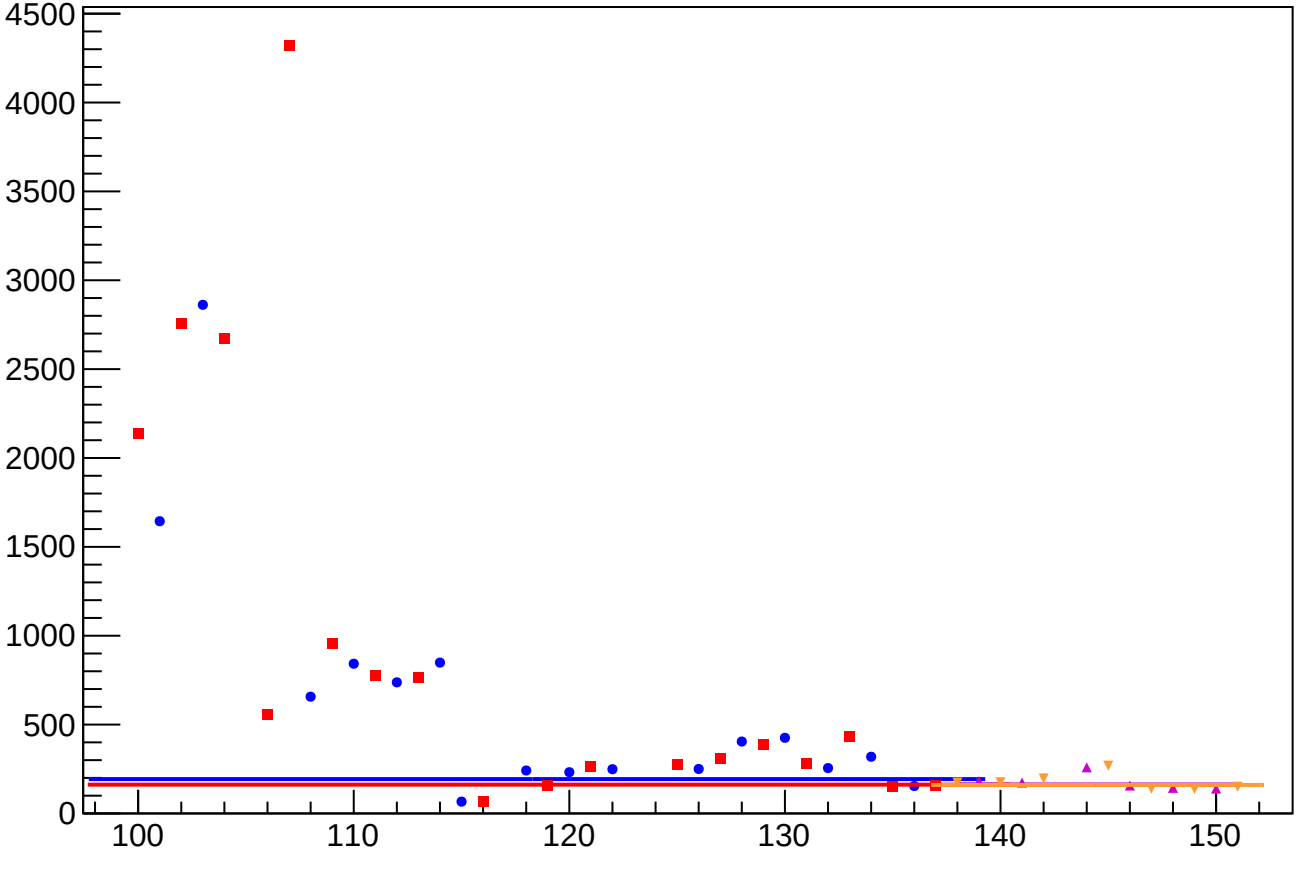
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 59.517+/-57.172 χ^2/NDF:20.9/21

Out: -56.534+/-54.810 χ^2/NDF:37.0/24

All: -0.955+/-39.565 χ^2/NDF: 60.0/46

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: 160.377+/-0.050 χ^2/NDF:388518.9/6

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 163.191+/-0.051 χ^2/NDF:341793.1/5

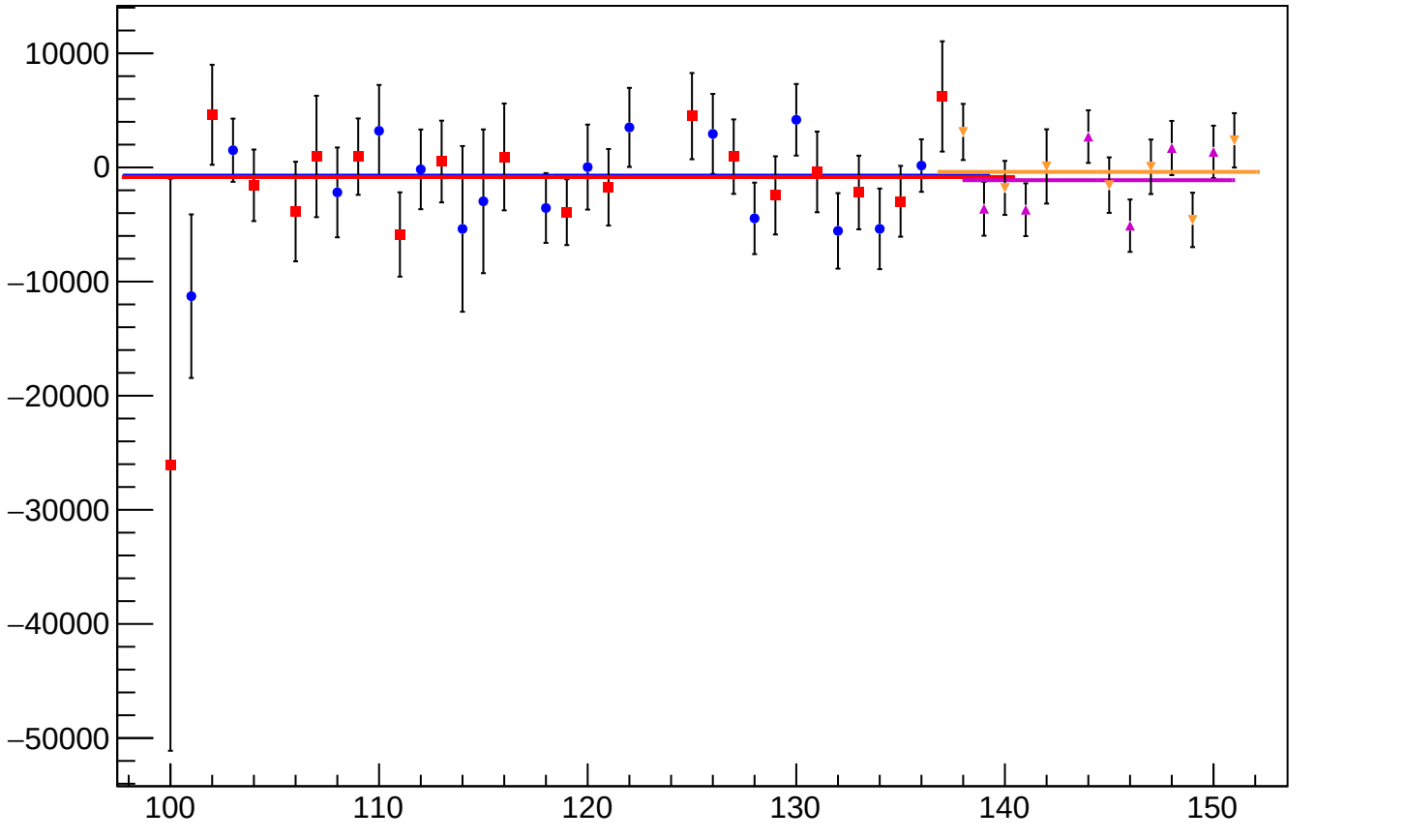
Left: 161.751+/-0.036 χ^2/NDF: 731842.2/12

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 174.698+/-0.040 χ^2/NDF:6090305.8/21

Out: 161.081+/-0.039 χ^2/NDF:7459492.3/24

All: 167.603+/-0.028 χ^2/NDF: 13608921.7/46



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -386.092+/-938.699 χ^2/NDF:7.1/6

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -1115.998+/-948.455 χ^2/NDF:10.7/5

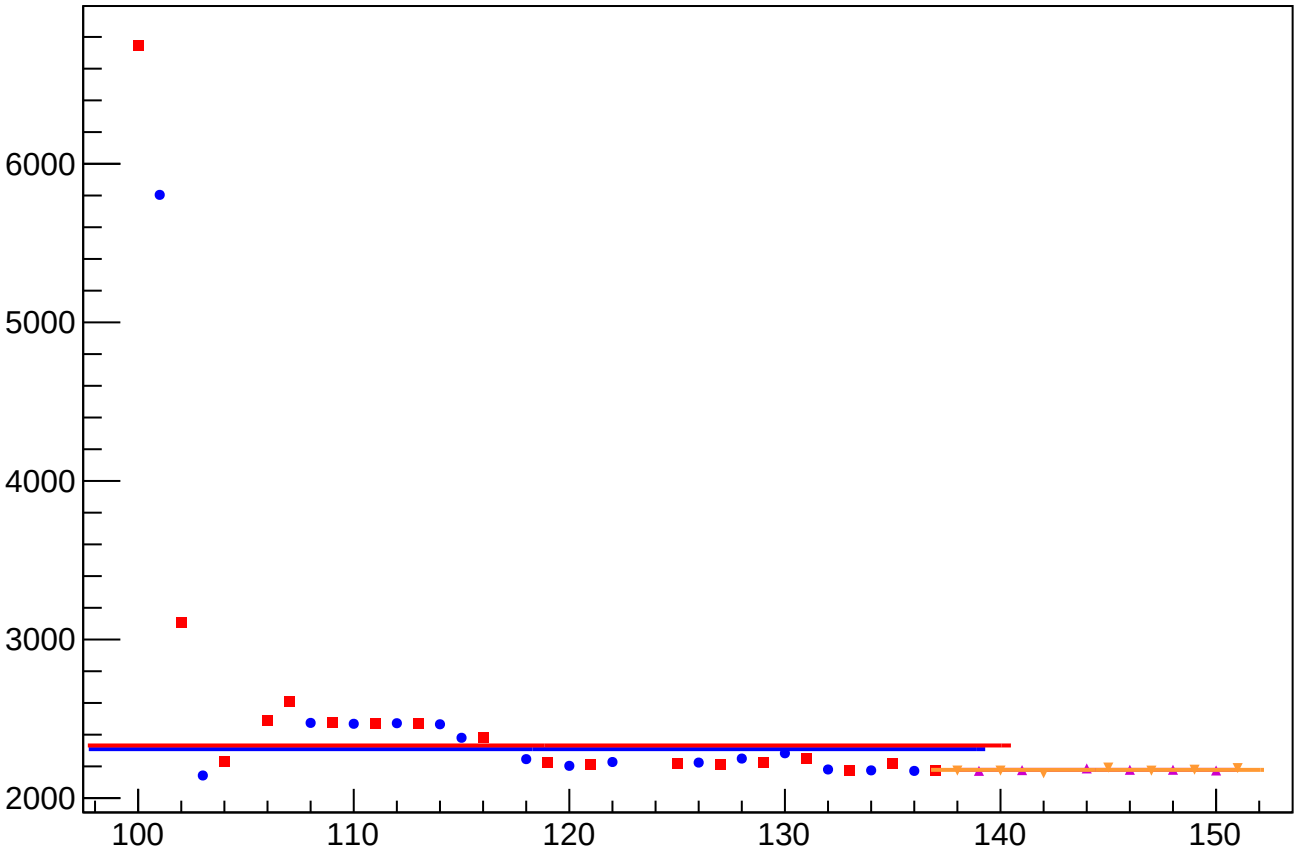
Left: -747.272+/-667.183 χ^2/NDF: 18.1/12

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -900.195+/-642.540 χ^2/NDF:26.7/21

Out: -630.490+/-639.500 χ^2/NDF:19.4/24

All: -764.703+/-453.266 χ^2/NDF: 46.2/46



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.041+/-0.664 χ^2/NDF:224.3/6

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2177.933+/-0.671 χ^2/NDF:51.6/5

Left: 2177.987+/-0.472 χ^2/NDF: 275.9/12

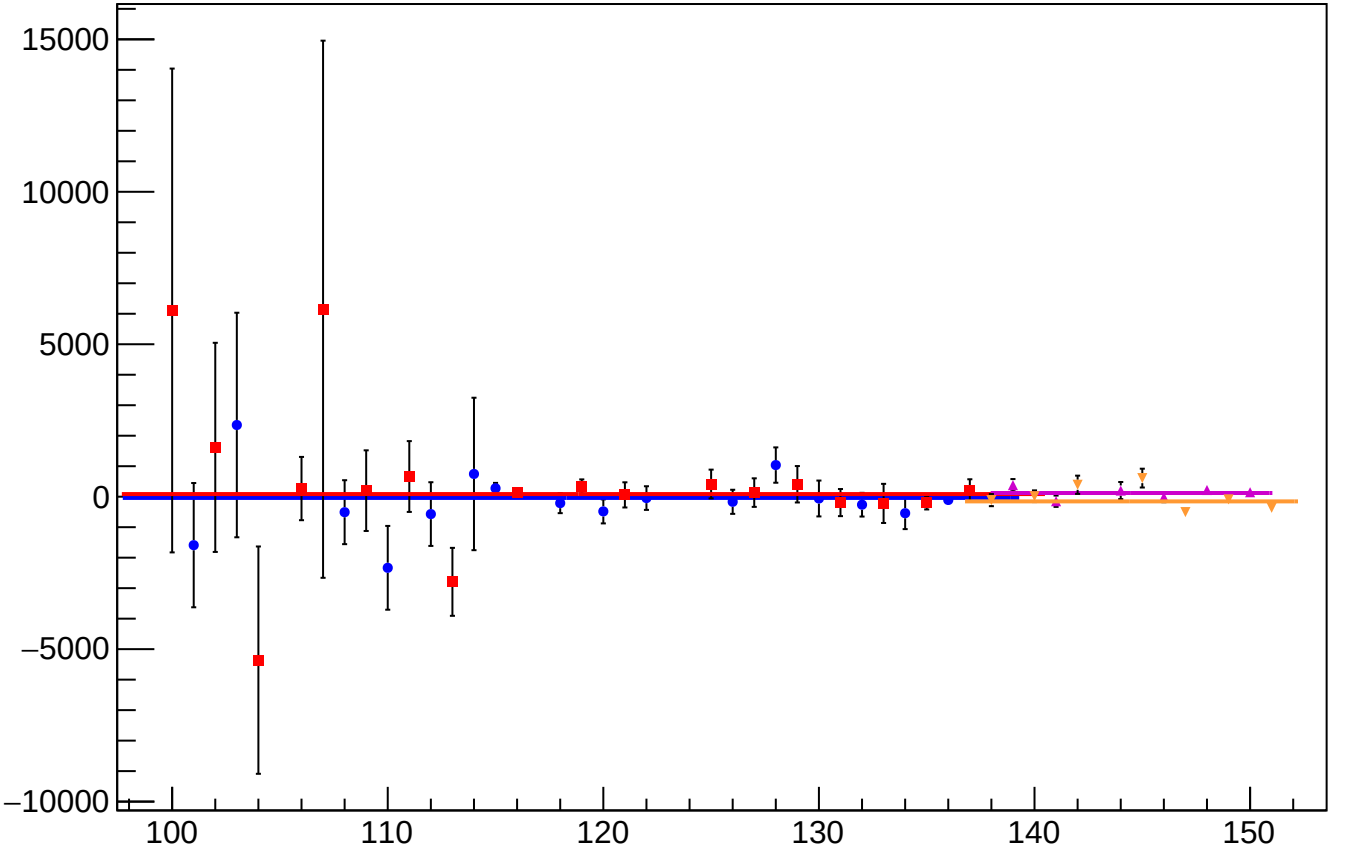
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2248.705+/-0.454 χ^2/NDF:534376.1/21

Out: 2260.464+/-0.452 χ^2/NDF:196320.4/24

All: 2254.613+/-0.321 χ^2/NDF: 731032.9/46

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -153.952+/-71.077 χ^2/NDF:17.4/6

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 121.304+/-72.772 χ^2/NDF:5.0/5

Left: -19.566+/-50.848 χ^2/NDF: 29.6/12

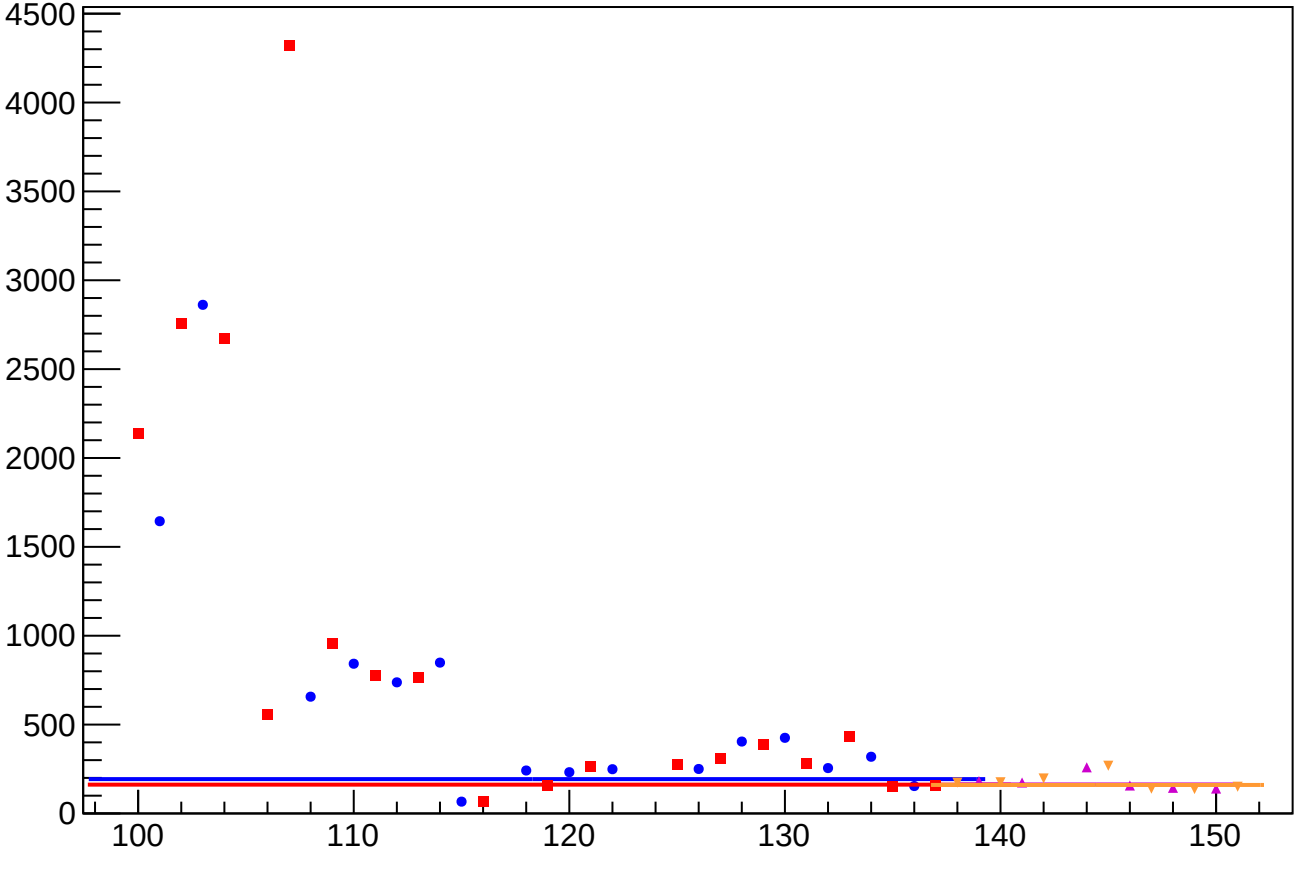
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 59.516+/-57.172 χ^2/NDF:20.9/21

Out: -56.532+/-54.810 χ^2/NDF:37.0/24

All: -0.955+/-39.565 χ^2/NDF: 60.0/46

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: 160.378+/-0.050 χ^2/NDF:388509.8/6

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 163.191+/-0.051 χ^2/NDF:341785.9/5

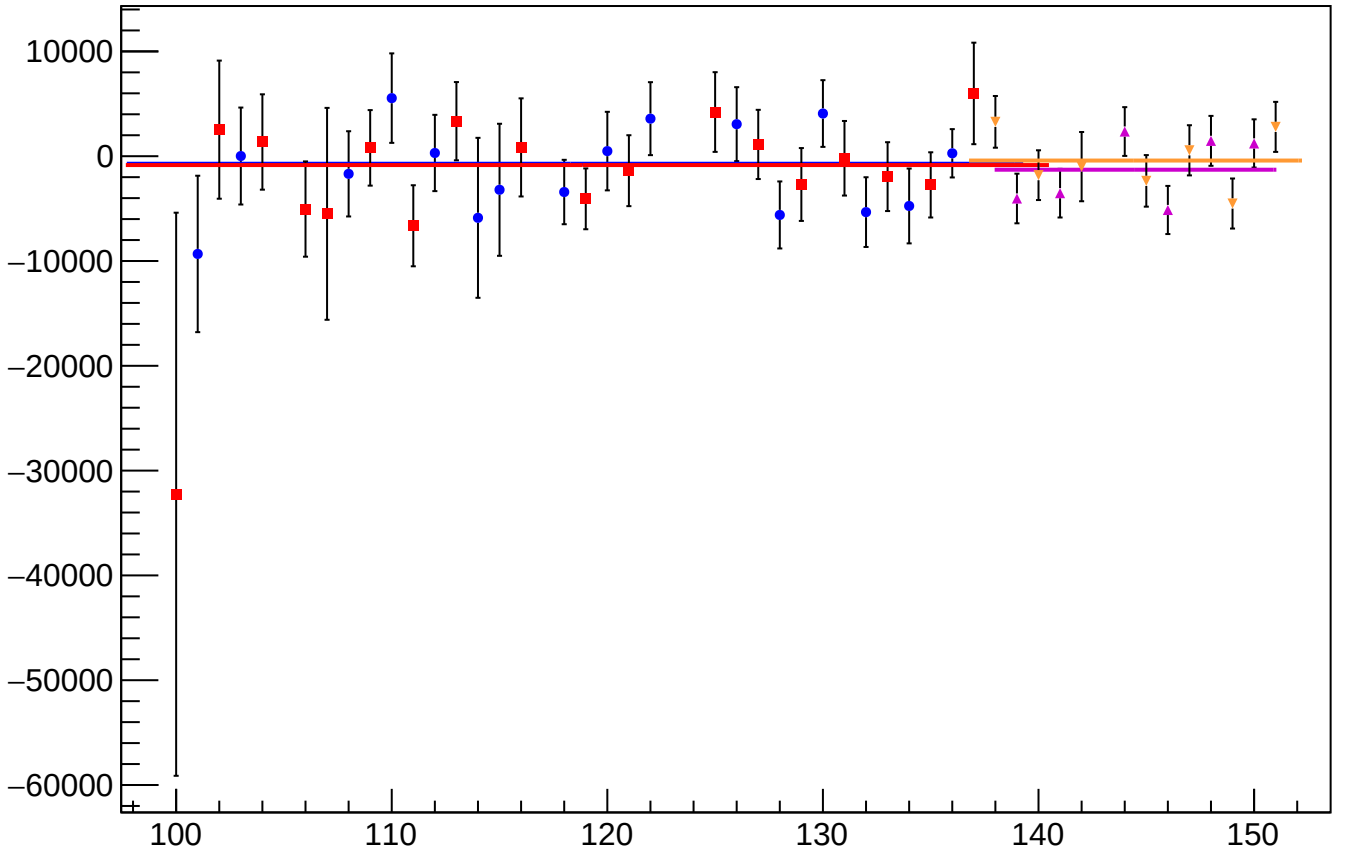
Left: 161.752+/-0.036 χ^2/NDF: 731825.7/12

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 174.698+/-0.040 χ^2/NDF:6090309.1/21

Out: 161.081+/-0.039 χ^2/NDF:7459540.1/24

All: 167.602+/-0.028 χ^2/NDF: 13608974.5/46



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -413.981+/-943.265 χ^2/NDF:8.2/6

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1289.694+/-951.865 χ^2/NDF:10.1/5

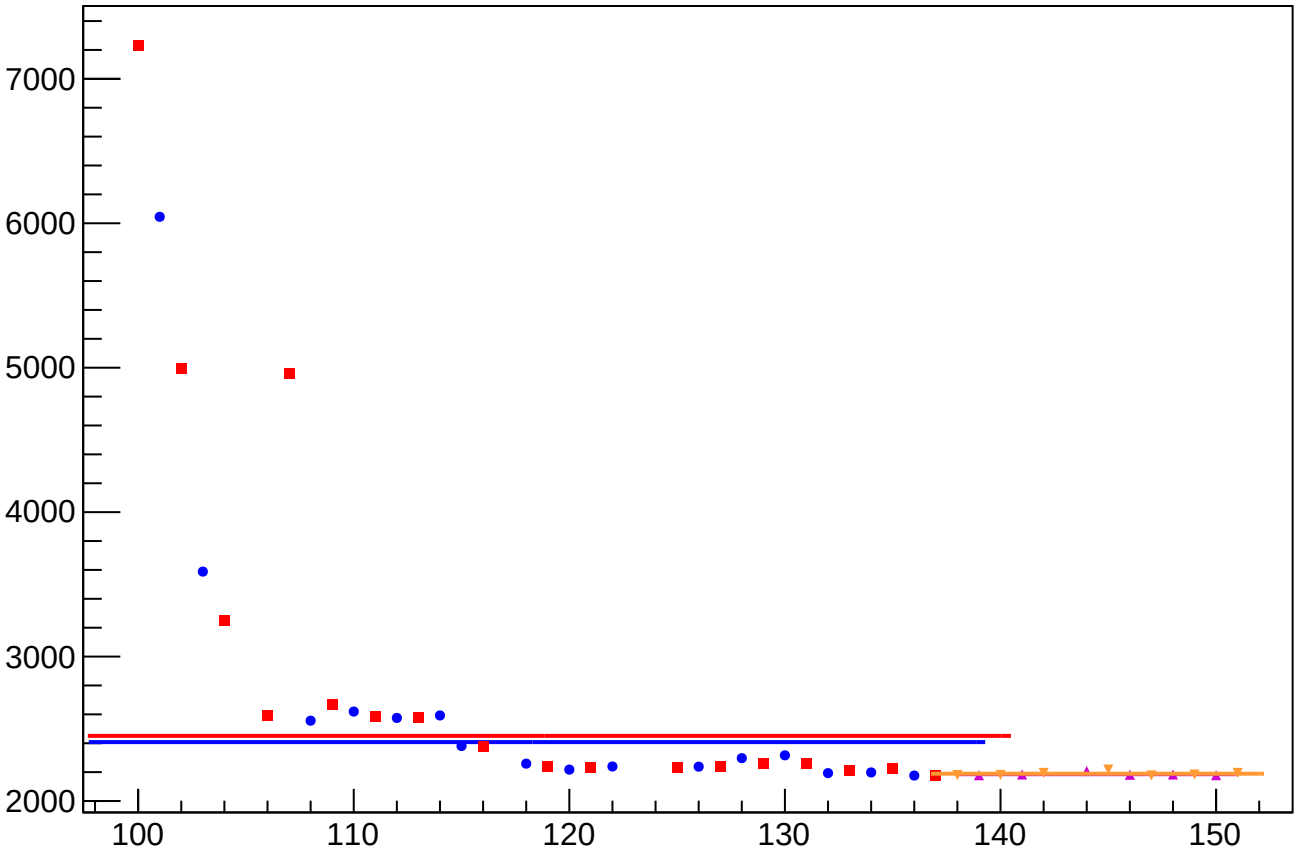
Left: -847.863+/-670.009 χ^2/NDF: 18.6/12

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -993.757+/-660.110 χ^2/NDF:26.0/21

Out: -632.747+/-661.780 χ^2/NDF:21.2/24

All: -813.708+/-467.358 χ^2/NDF: 47.4/46



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2189.086+/-0.667 χ^2/NDF:407.5/6

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2185.738+/-0.673 χ^2/NDF:224.7/5

Left: 2187.427+/-0.474 χ^2/NDF: 644.7/12

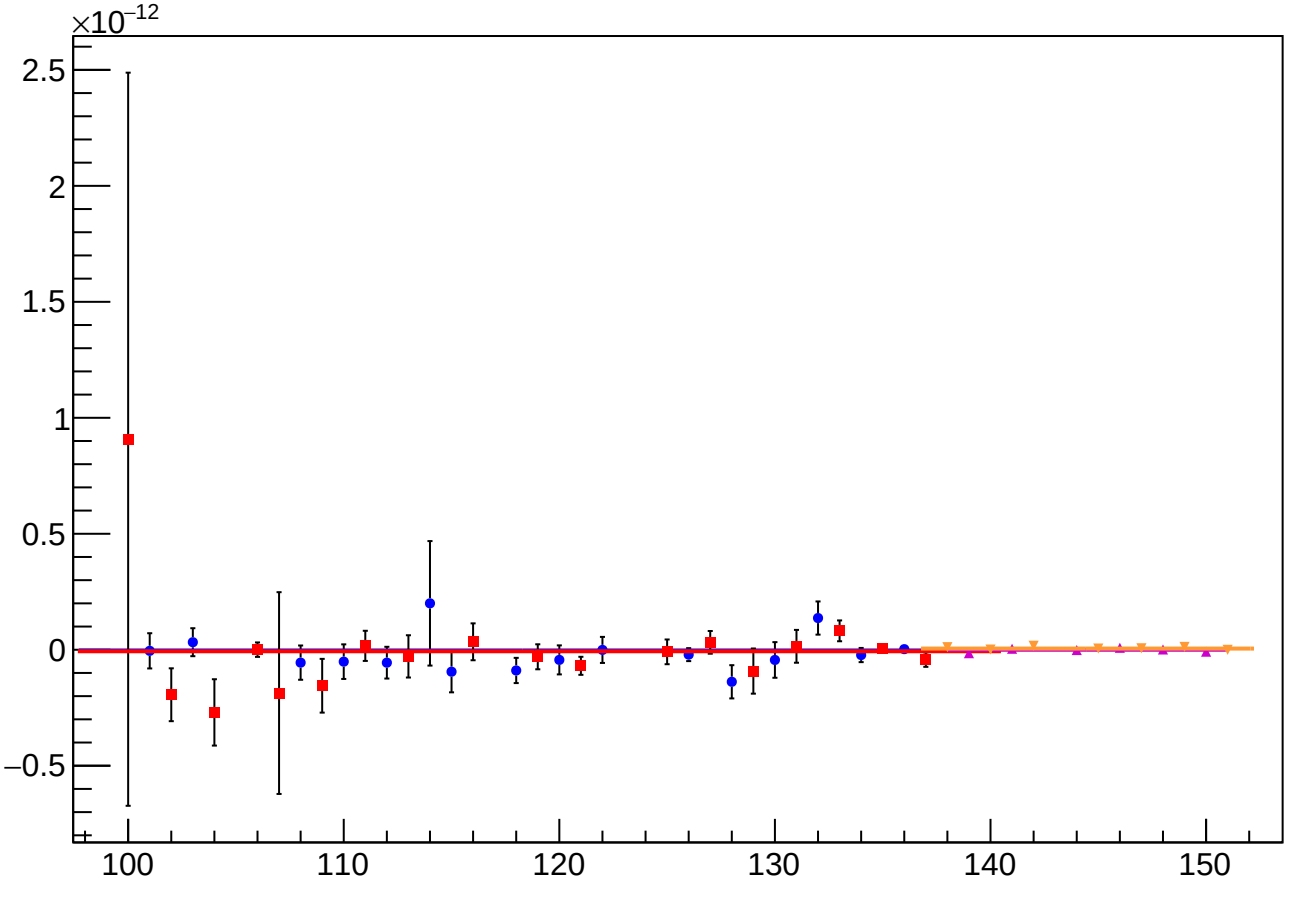
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2301.001+/-0.467 χ^2/NDF:733613.8/21

Out: 2322.177+/-0.468 χ^2/NDF:712419.3/24

All: 2311.562+/-0.330 χ^2/NDF: 1447059.6/46

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/5

Left: 0.000+/-0.000 χ^2/NDF: 13.0/12

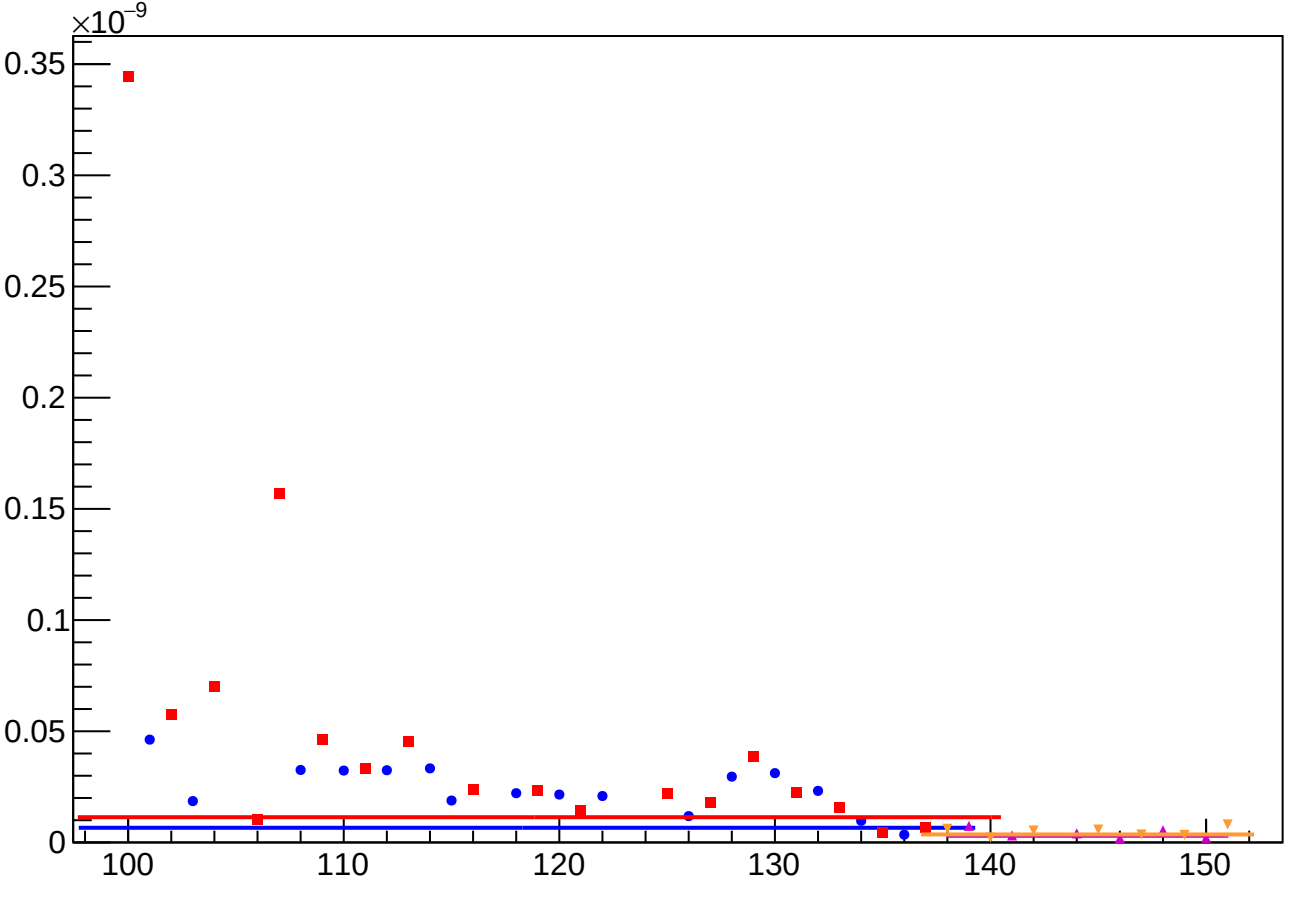
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:23.5/21

Out: 0.000+/-0.000 χ^2/NDF:23.6/24

All: 0.000+/-0.000 χ^2/NDF: 48.9/46

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:758121.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:597130.3/5

Left: 0.000+/-0.000 χ^2/NDF: 1404573.9/12

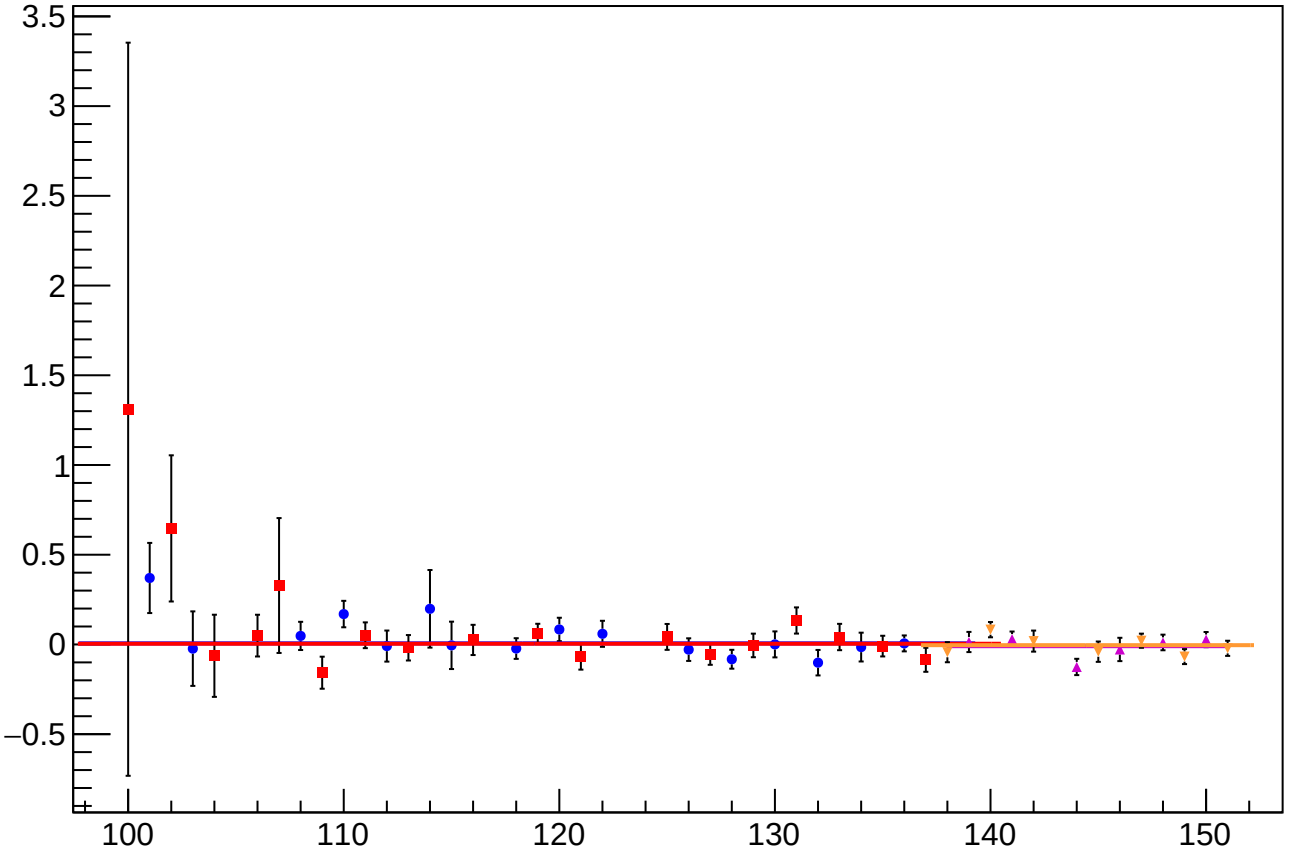
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4011670.5/21

Out: 0.000+/-0.000 χ^2/NDF:4620785.4/24

All: 0.000+/-0.000 χ^2/NDF: 8695595.4/46

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: -0.004+/-0.018 χ^2/NDF:8.1/6

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.019 χ^2/NDF:8.6/5

Left: -0.007+/-0.013 χ^2/NDF: 16.7/12

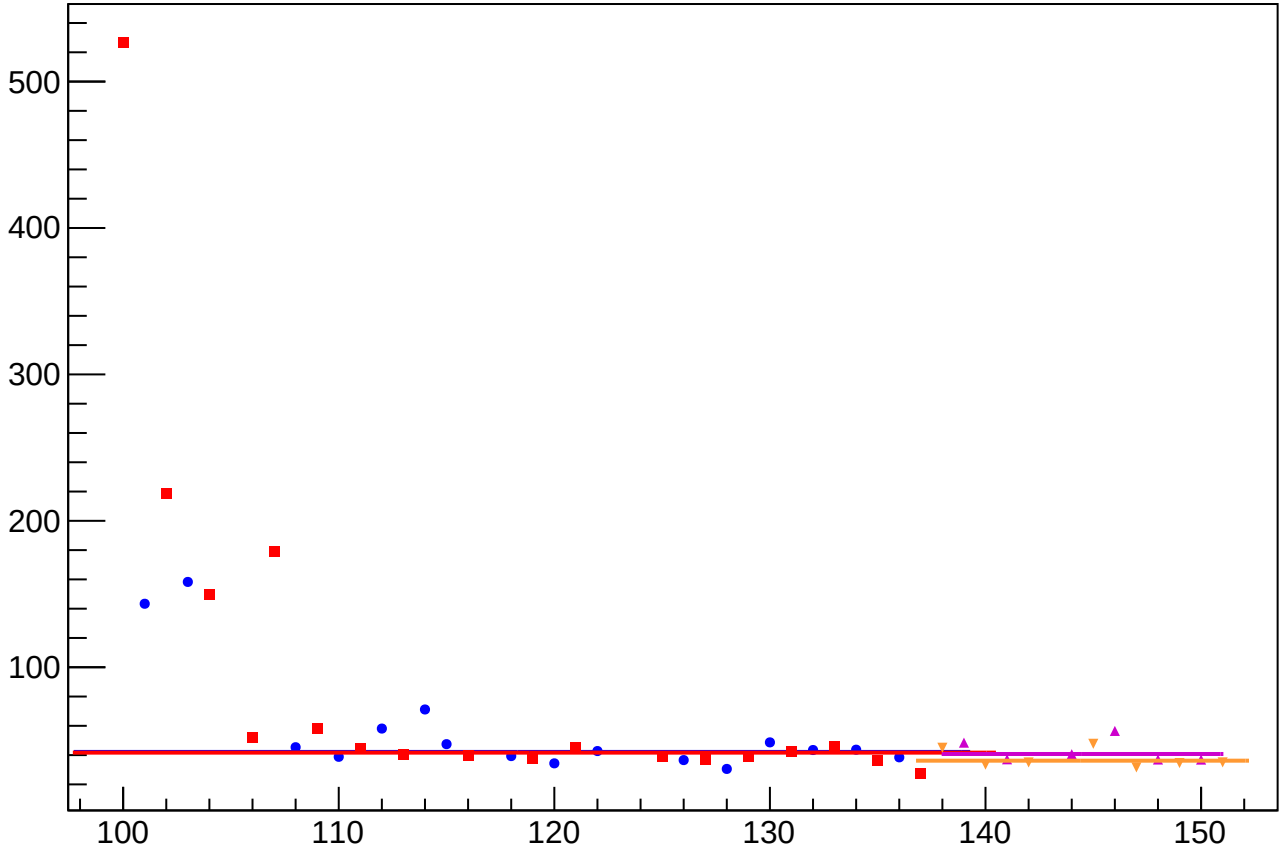
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.001+/-0.013 χ^2/NDF:26.2/21

Out: -0.000+/-0.013 χ^2/NDF:24.4/24

All: -0.001+/-0.009 χ^2/NDF: 50.6/46

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.197+/-0.012 χ^2/NDF:173379.3/6

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.761+/-0.014 χ^2/NDF:201416.6/5

Left: 38.258+/-0.009 χ^2/NDF: 435963.7/12

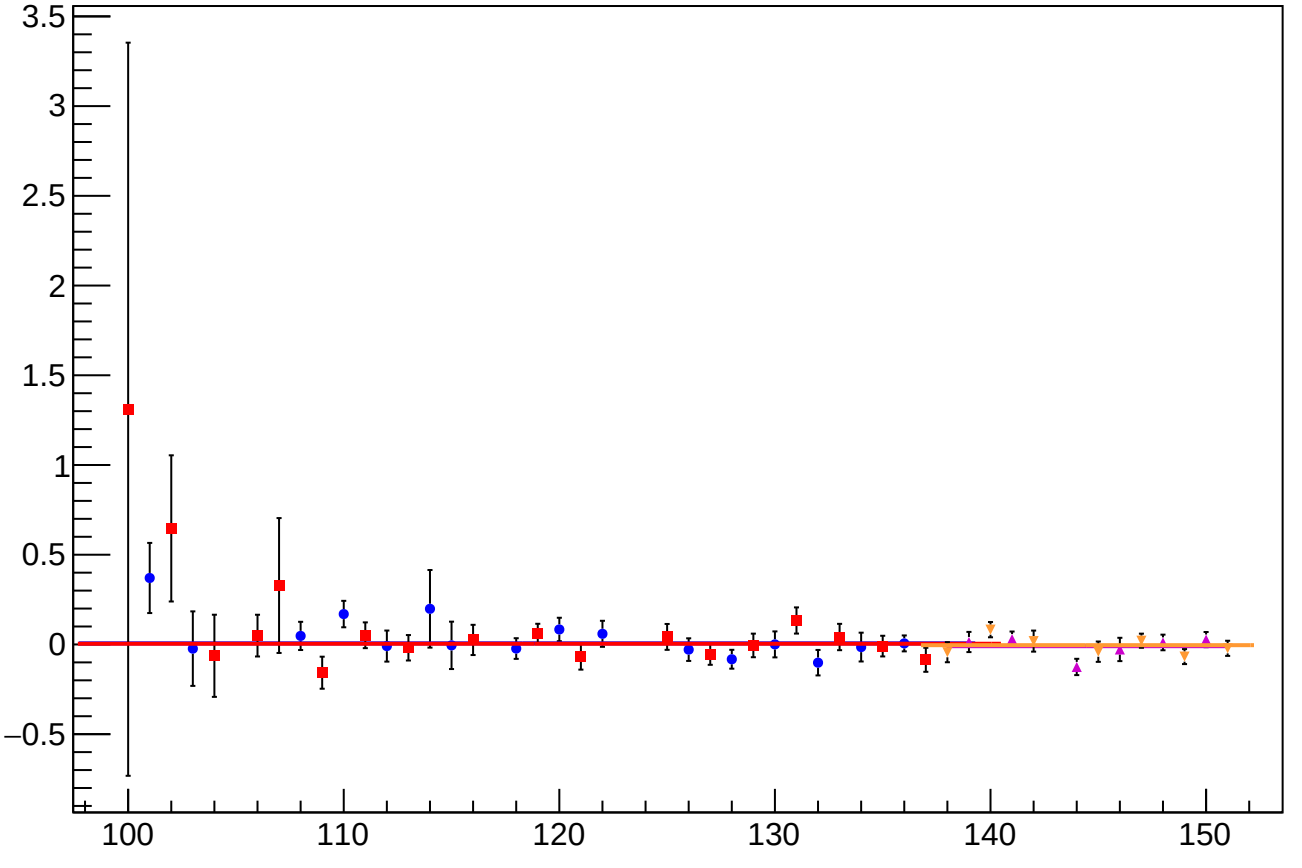
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 41.503+/-0.009 χ^2/NDF:1661373.4/21

Out: 38.785+/-0.009 χ^2/NDF:1707042.3/24

All: 40.090+/-0.007 χ^2/NDF: 3412019.0/46

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: -0.004+/-0.018 χ^2/NDF:8.1/6

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.019 χ^2/NDF:8.6/5

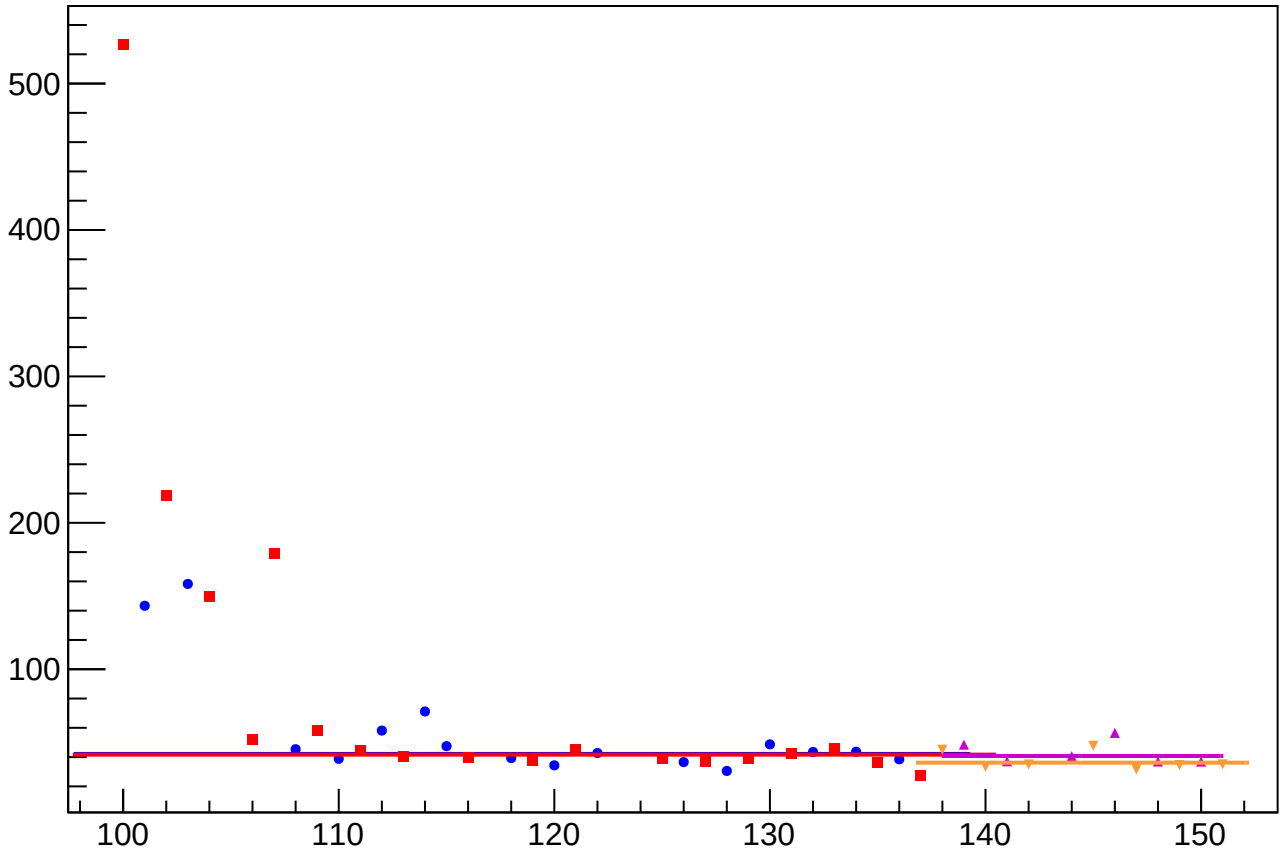
Left: -0.007+/-0.013 χ^2/NDF: 16.7/12

Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.001+/-0.013 χ^2/NDF:26.2/21

Out: -0.000+/-0.013 χ^2/NDF:24.4/24

All: -0.001+/-0.009 χ^2/NDF: 50.6/46



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.197+/-0.012 χ^2/NDF:173379.3/6

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 40.761+/-0.014 χ^2/NDF:201416.6/5

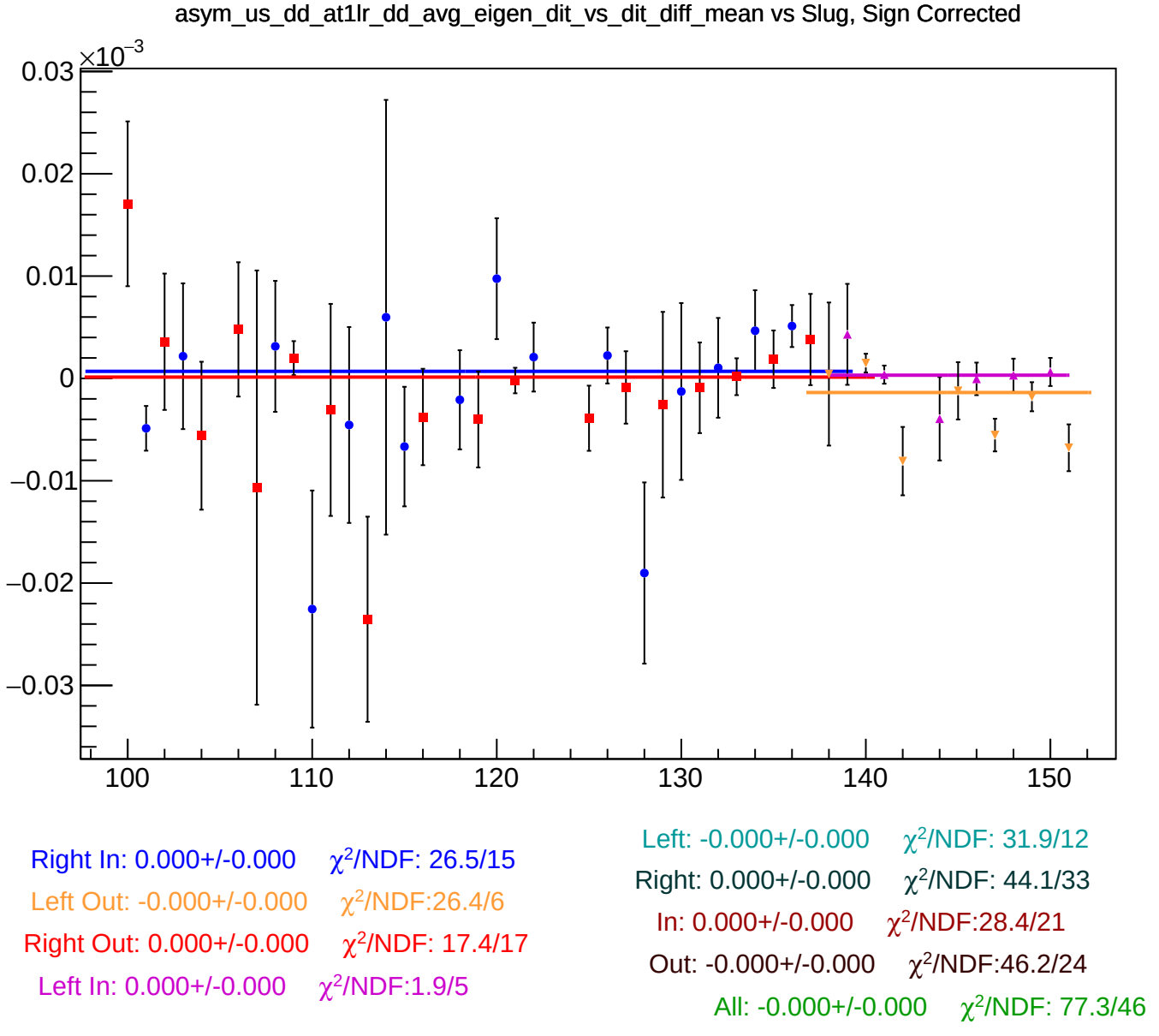
Left: 38.258+/-0.009 χ^2/NDF: 435963.7/12

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

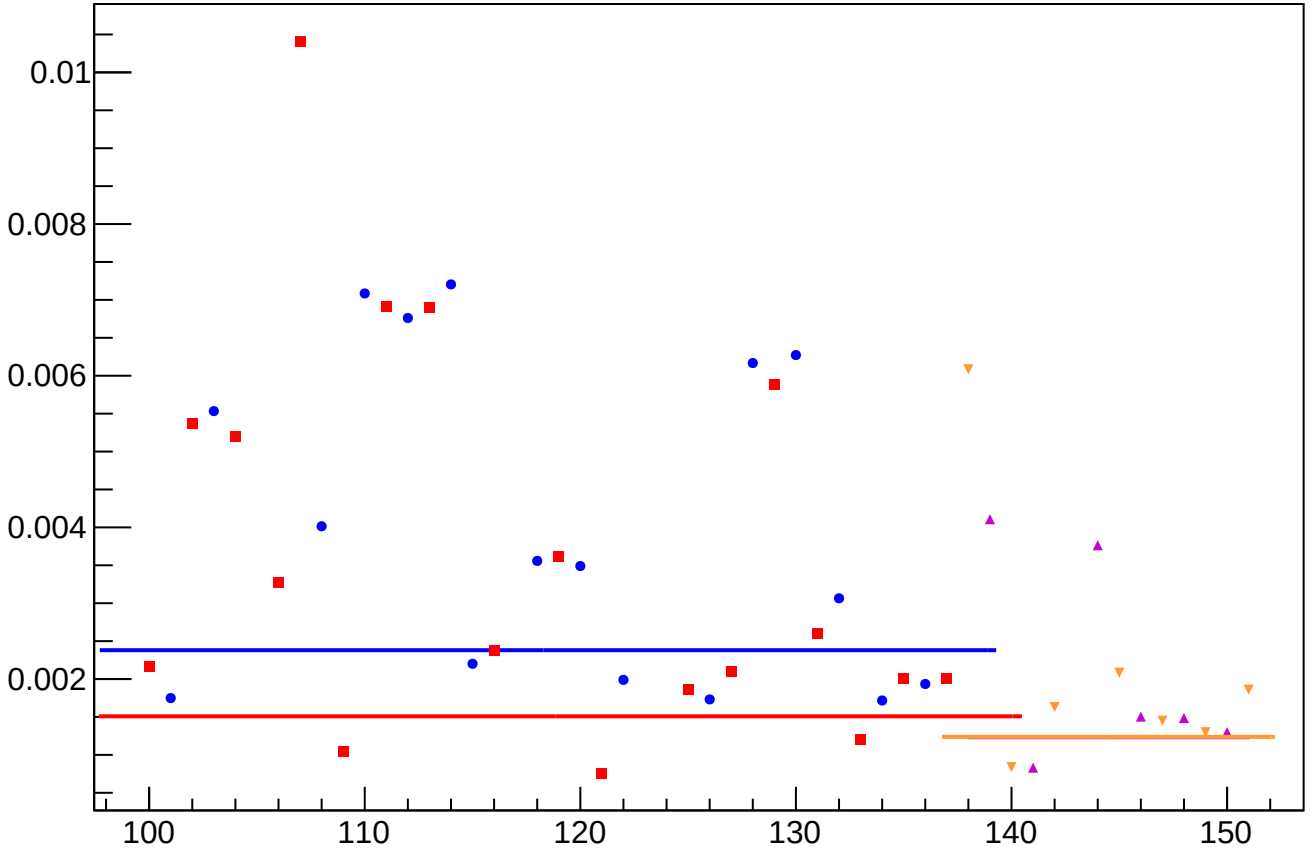
In: 41.503+/-0.009 χ^2/NDF:1661373.4/21

Out: 38.785+/-0.009 χ^2/NDF:1707042.3/24

All: 40.090+/-0.007 χ^2/NDF: 3412019.0/46


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 26.5/15
Left Out: -0.000+/-0.000 χ²/NDF:26.4/6
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:1.9/5
Left: -0.000+/-0.000 χ²/NDF: 31.9/12
Right: 0.000+/-0.000 χ²/NDF: 44.1/33
In: 0.000+/-0.000 χ²/NDF:28.4/21
Out: -0.000+/-0.000 χ²/NDF:46.2/24
All: -0.000+/-0.000 χ²/NDF: 77.3/46

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:1737476.5/6

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:1971340.8/5

Left: 0.001+/-0.000 χ^2/NDF: 3708886.0/12

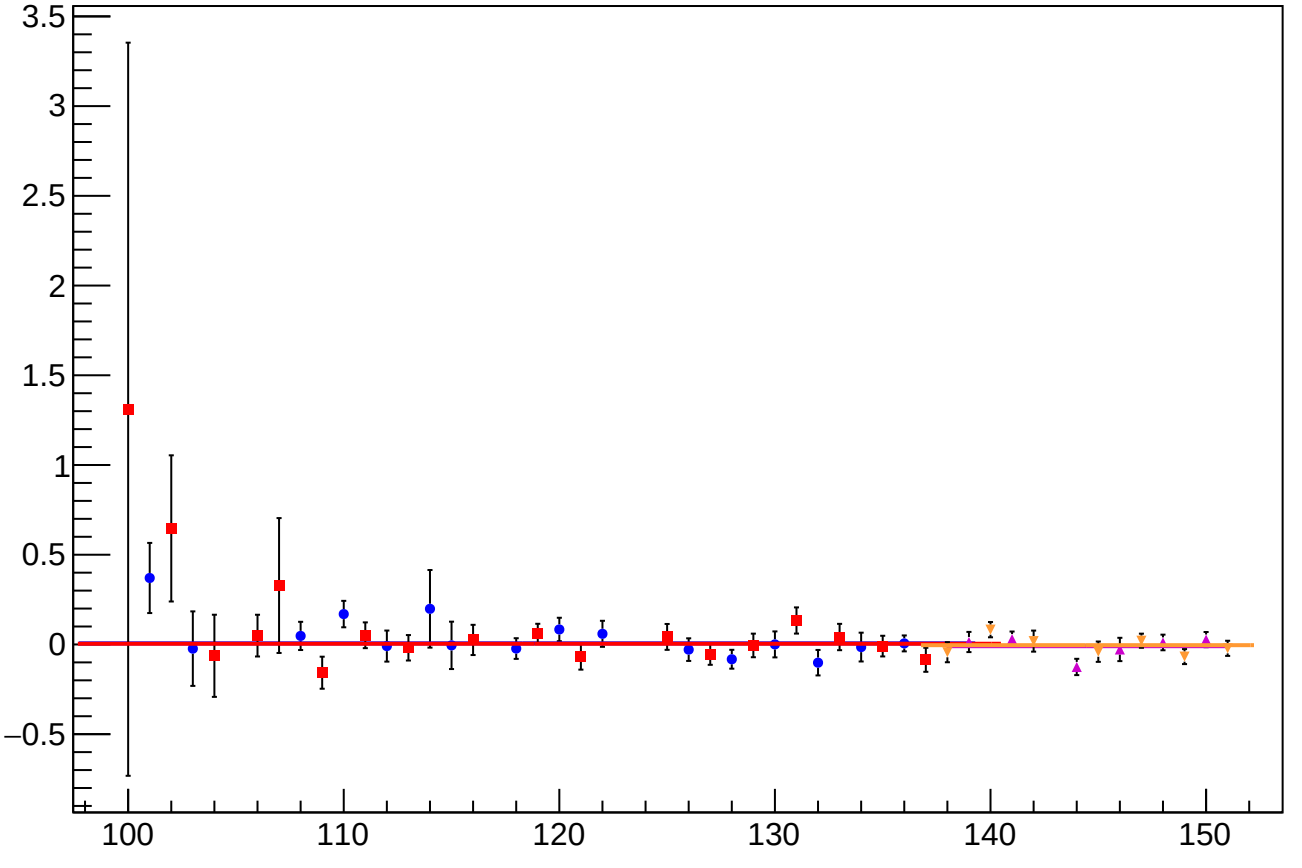
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:6672747.1/21

Out: 0.001+/-0.000 χ^2/NDF:6898293.1/24

All: 0.001+/-0.000 χ^2/NDF: 13703227.4/46

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: -0.004+/-0.018 χ^2/NDF:8.1/6

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.019 χ^2/NDF:8.6/5

Left: -0.007+/-0.013 χ^2/NDF: 16.7/12

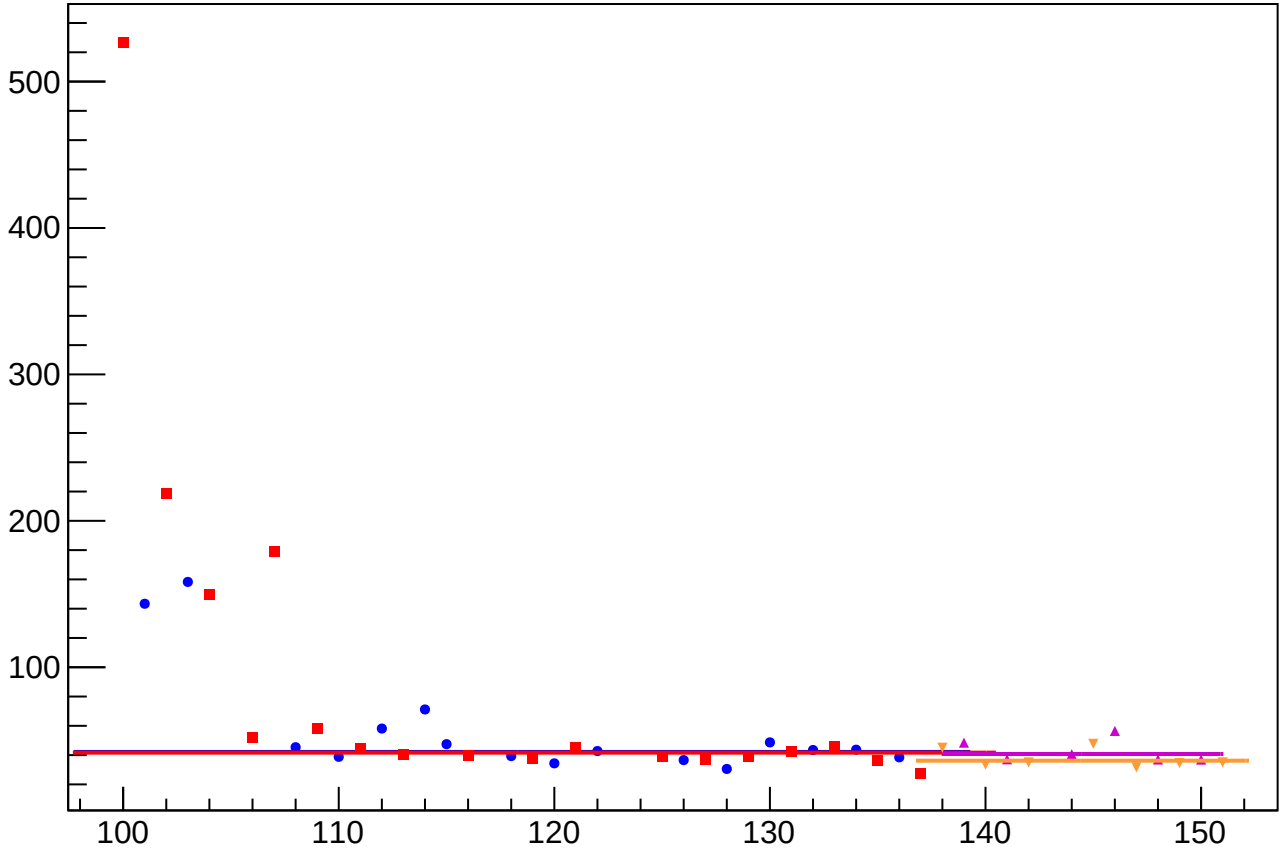
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.001+/-0.013 χ^2/NDF:26.2/21

Out: -0.000+/-0.013 χ^2/NDF:24.4/24

All: -0.001+/-0.009 χ^2/NDF: 50.6/46

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: 36.198+/-0.012 χ^2/NDF:173357.8/6

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.761+/-0.014 χ^2/NDF:201434.2/5

Left: 38.259+/-0.009 χ^2/NDF: 435949.0/12

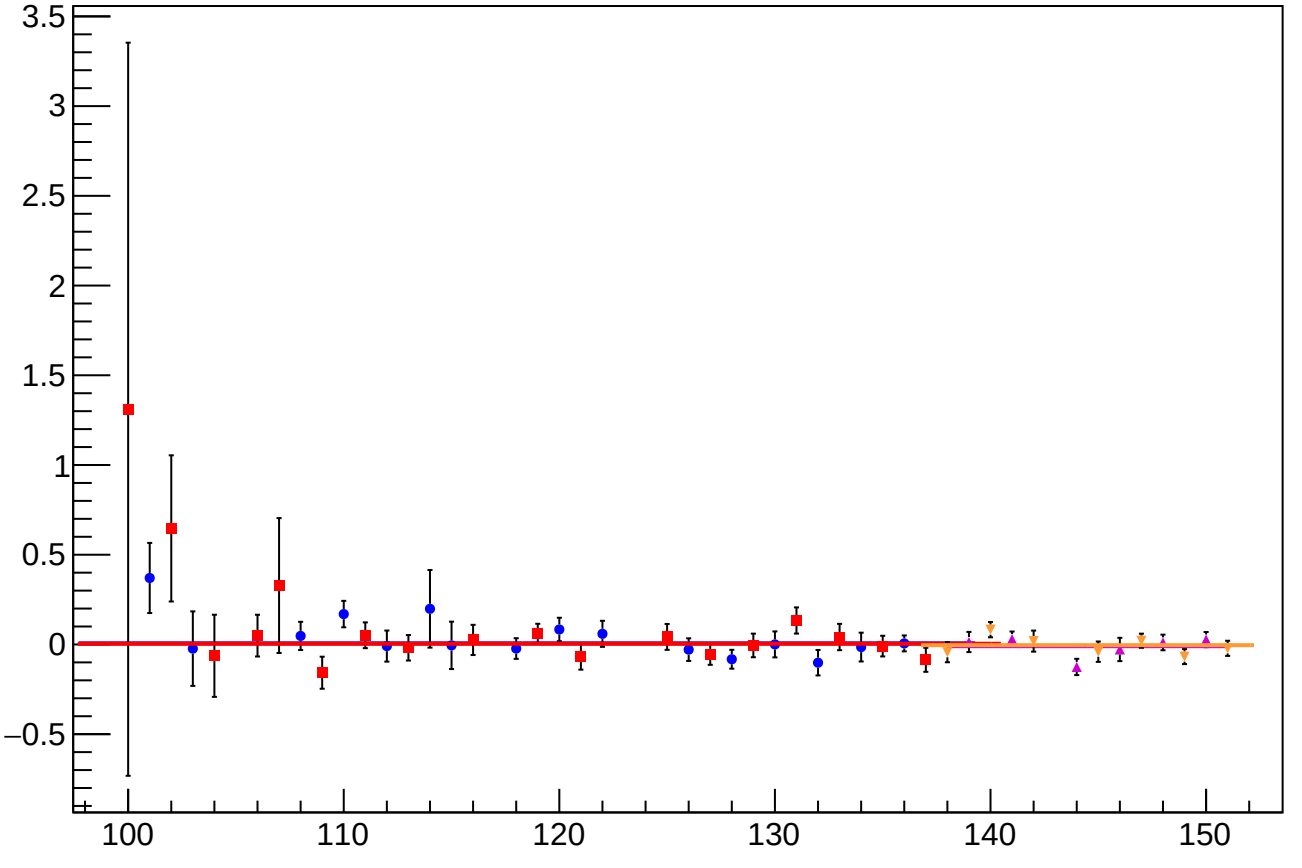
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.502+/-0.009 χ^2/NDF:1661585.7/21

Out: 38.786+/-0.009 χ^2/NDF:1707002.4/24

All: 40.090+/-0.007 χ^2/NDF: 3412137.7/46

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: -0.004+/-0.018 χ^2/NDF:8.1/6

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.019 χ^2/NDF:8.6/5

Left: -0.007+/-0.013 χ^2/NDF: 16.7/12

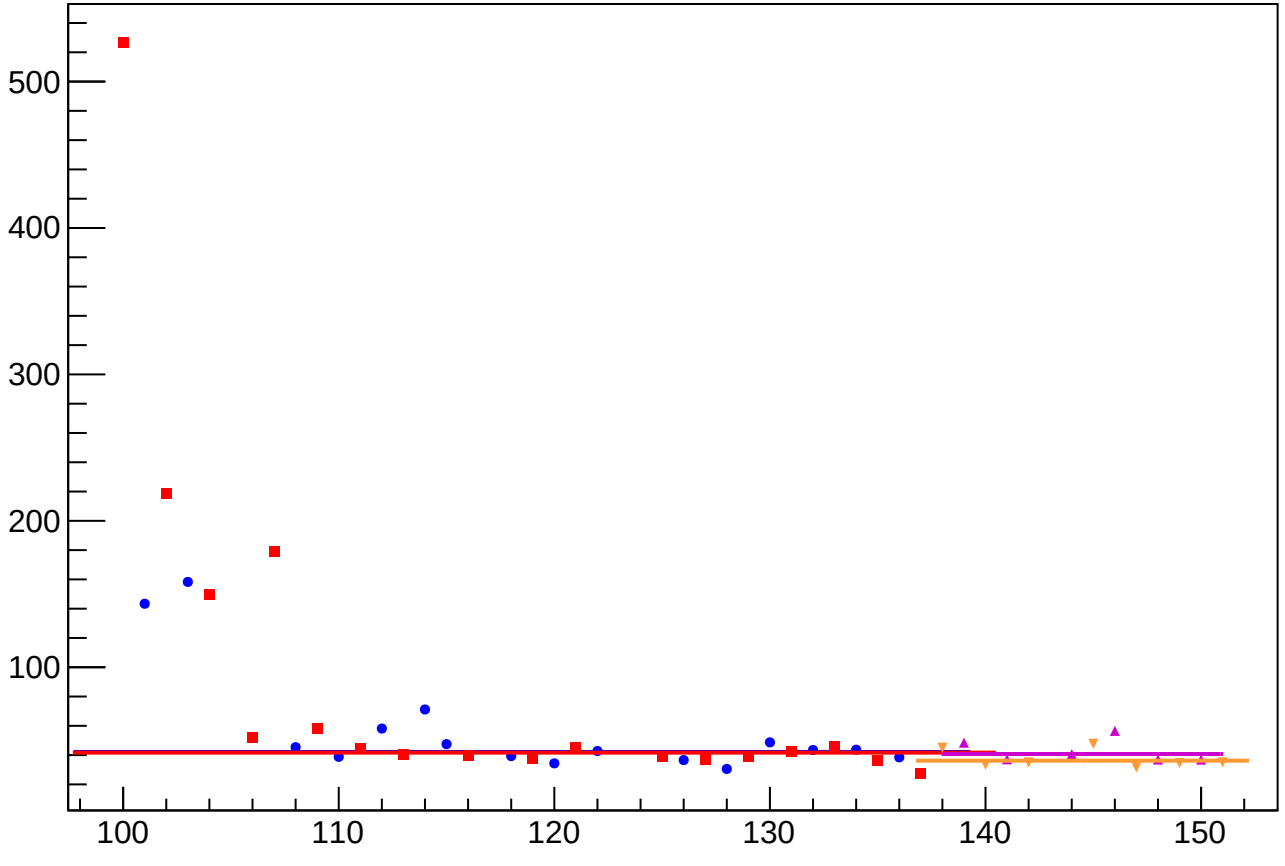
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.001+/-0.013 χ^2/NDF:26.2/21

Out: -0.000+/-0.013 χ^2/NDF:24.4/24

All: -0.001+/-0.009 χ^2/NDF: 50.6/46

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: 36.198+/-0.012 χ^2/NDF:173357.8/6

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 40.761+/-0.014 χ^2/NDF:201434.2/5

Left: 38.259+/-0.009 χ^2/NDF: 435949.0/12

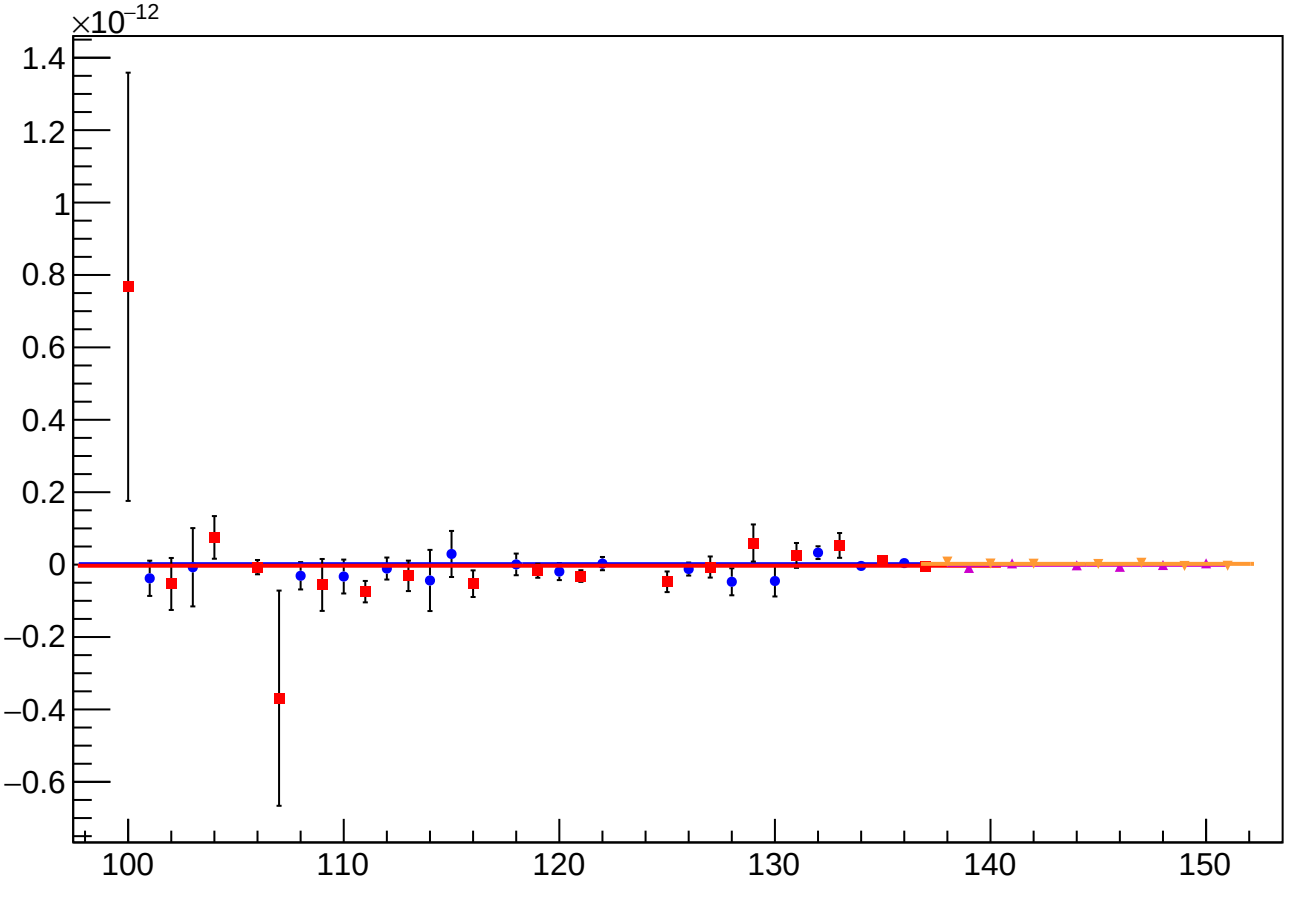
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 41.502+/-0.009 χ^2/NDF:1661585.7/21

Out: 38.786+/-0.009 χ^2/NDF:1707002.4/24

All: 40.090+/-0.007 χ^2/NDF: 3412137.7/46

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:4.6/6

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:5.1/5

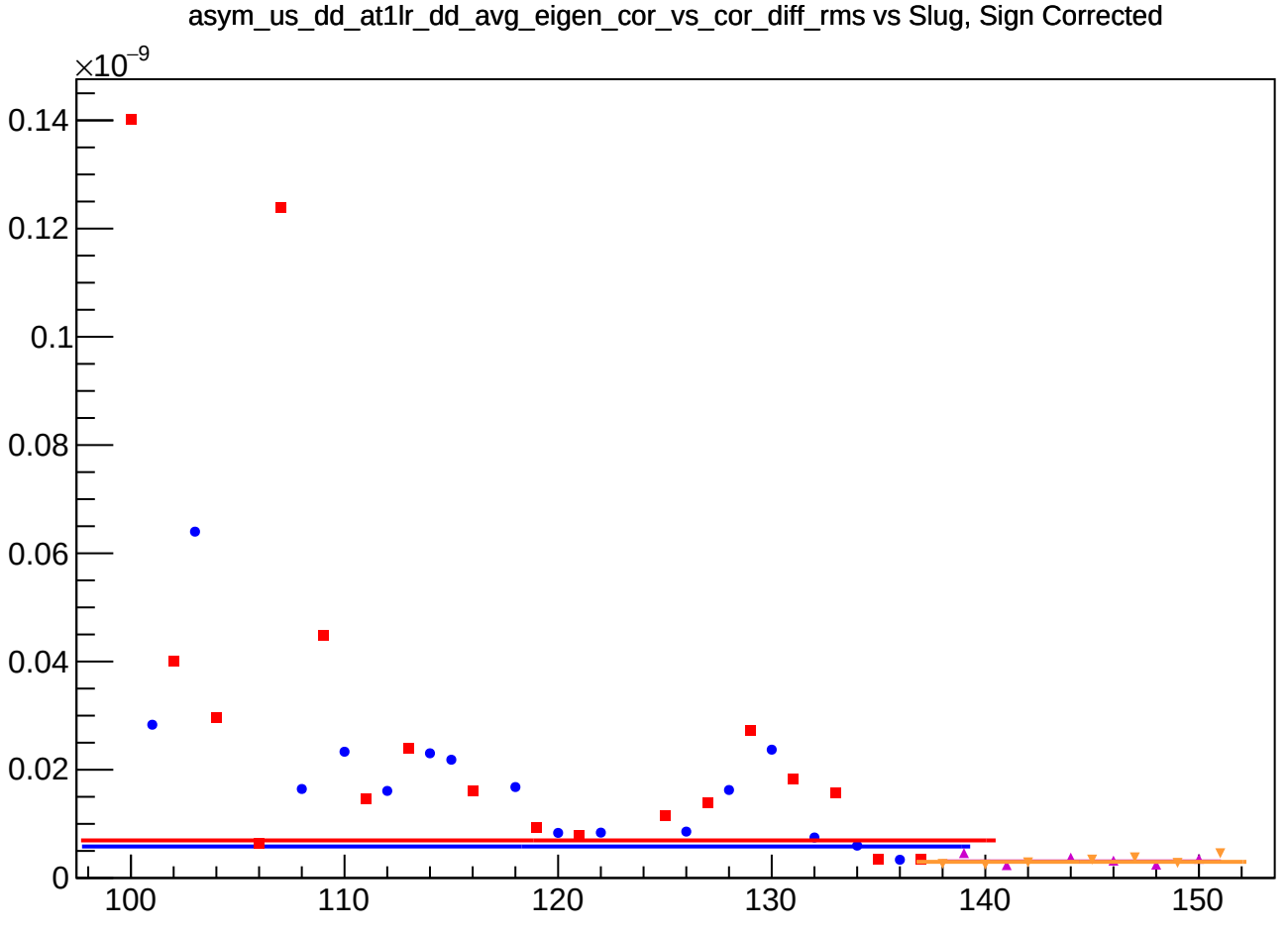
Left: 0.000+/-0.000 χ^2/NDF: 10.8/12

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:15.8/21

Out: 0.000+/-0.000 χ^2/NDF:34.5/24

All: 0.000+/-0.000 χ^2/NDF: 50.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:232060.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:279495.3/5

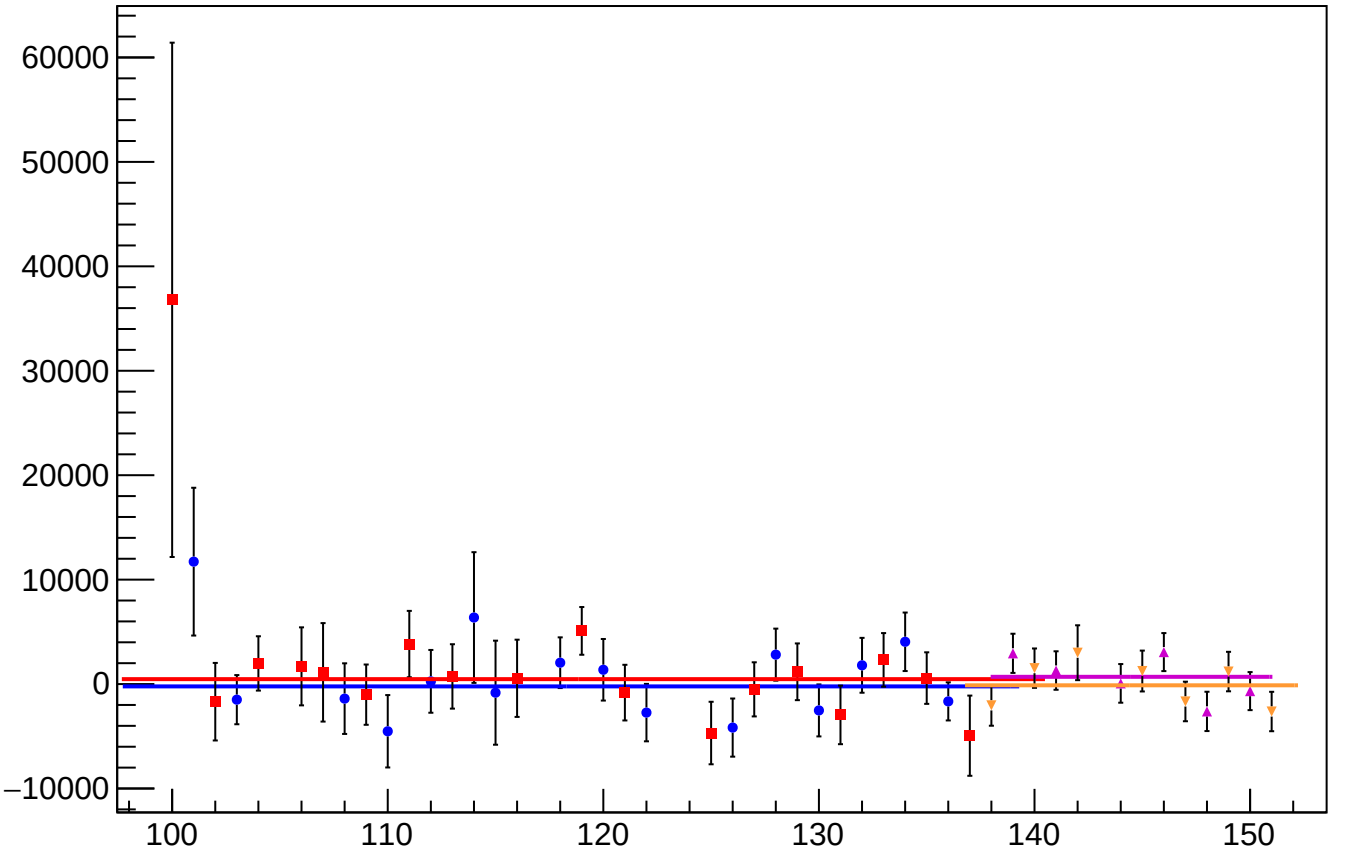
Left: 0.000+/-0.000 χ^2/NDF: 513138.6/12

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:4387858.9/21

Out: 0.000+/-0.000 χ^2/NDF:5247400.8/24

All: 0.000+/-0.000 χ^2/NDF: 9638575.7/46



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: -118.410+/-747.416 χ^2/NDF:6.5/6

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 694.601+/-754.476 χ^2/NDF:7.0/5

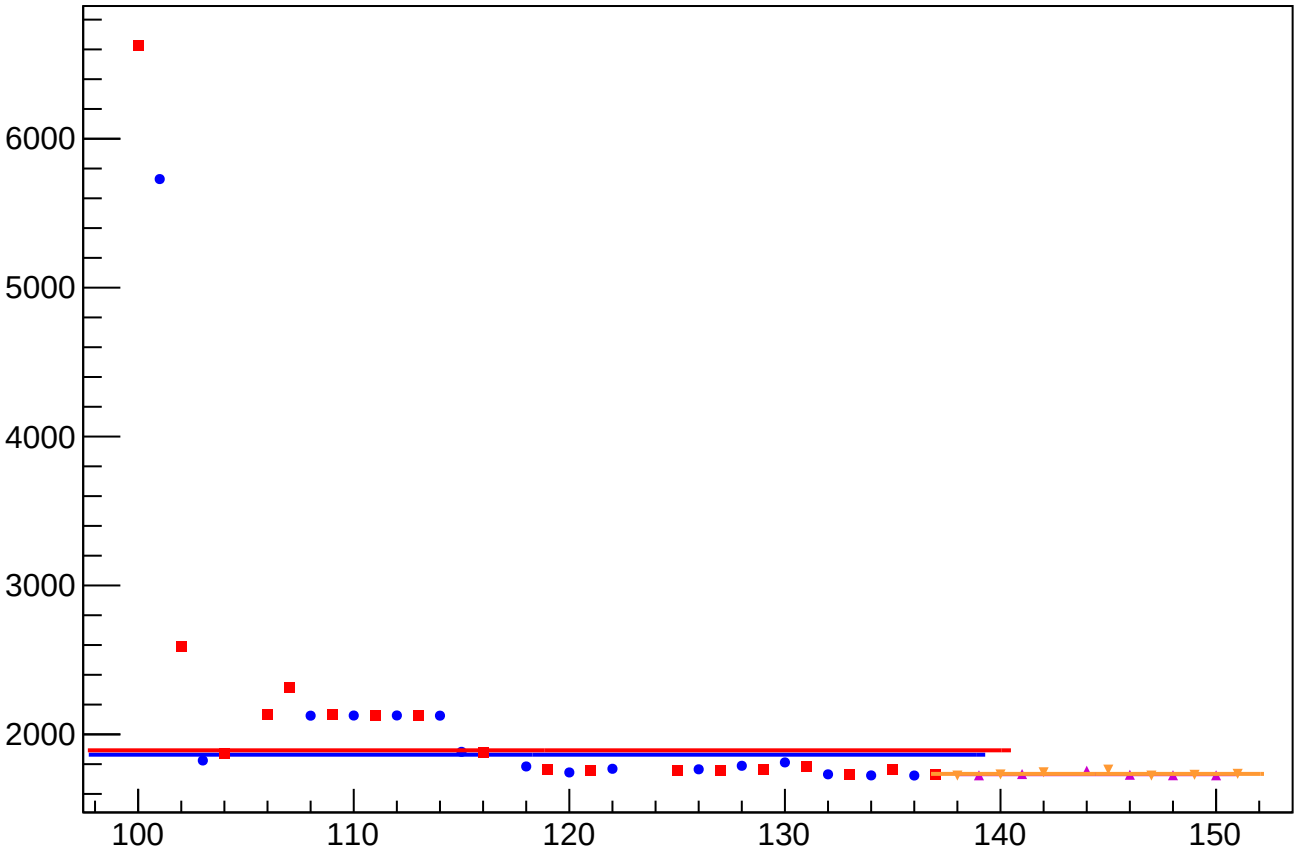
Left: 284.274+/-530.981 χ^2/NDF: 14.1/12

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 207.422+/-516.726 χ^2/NDF:23.6/21

Out: 191.547+/-515.327 χ^2/NDF:22.7/24

All: 199.463+/-364.885 χ^2/NDF: 46.4/46



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1734.544+/-0.529 χ^2/NDF:627.2/6

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1732.464+/-0.533 χ^2/NDF:416.0/5

Left: 1733.514+/-0.375 χ^2/NDF: 1050.9/12

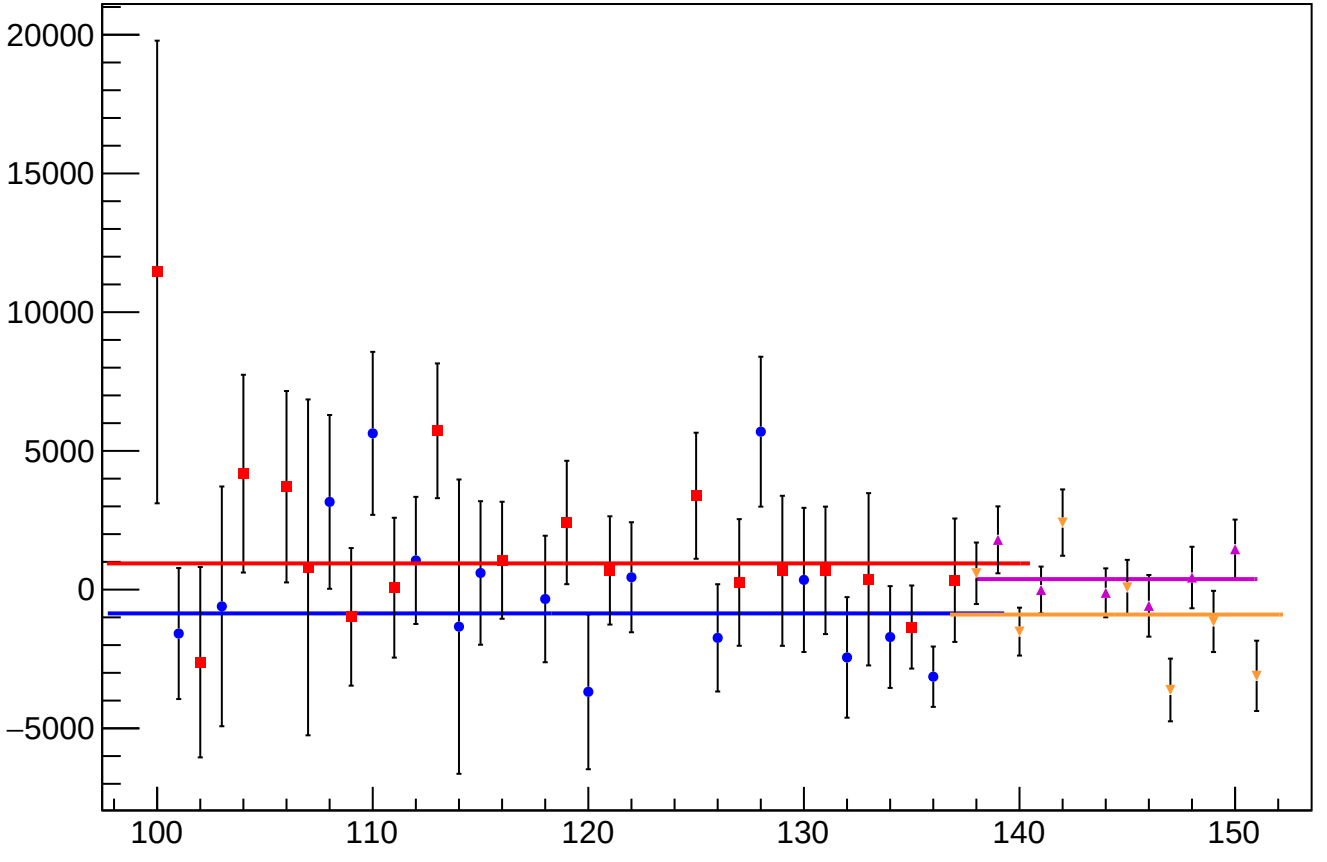
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1802.079+/-0.365 χ^2/NDF:707151.6/21

Out: 1817.603+/-0.364 χ^2/NDF:299219.9/24

All: 1809.862+/-0.258 χ^2/NDF: 1007276.5/46

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -899.606+/-404.854 χ^2/NDF:19.8/6

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 378.878+/-412.402 χ^2/NDF:3.7/5

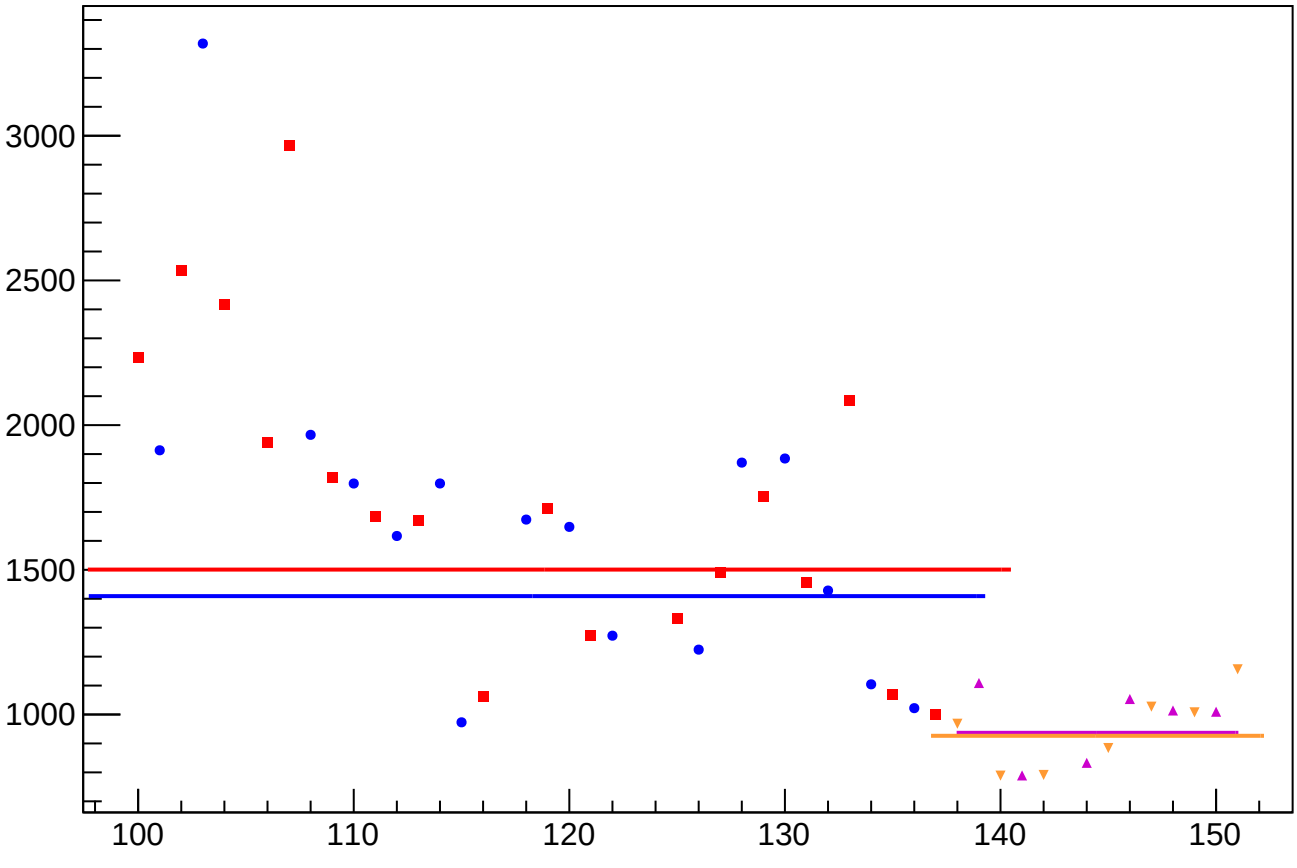
Left: -272.172+/-288.907 χ^2/NDF: 28.4/12

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -66.225+/-329.905 χ^2/NDF:27.5/21

Out: -300.910+/-332.716 χ^2/NDF:39.5/24

All: -182.572+/-234.265 χ^2/NDF: 67.3/46



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 926.427+/-0.286 χ^2/NDF:175307.2/6

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 936.688+/-0.292 χ^2/NDF:170440.9/5

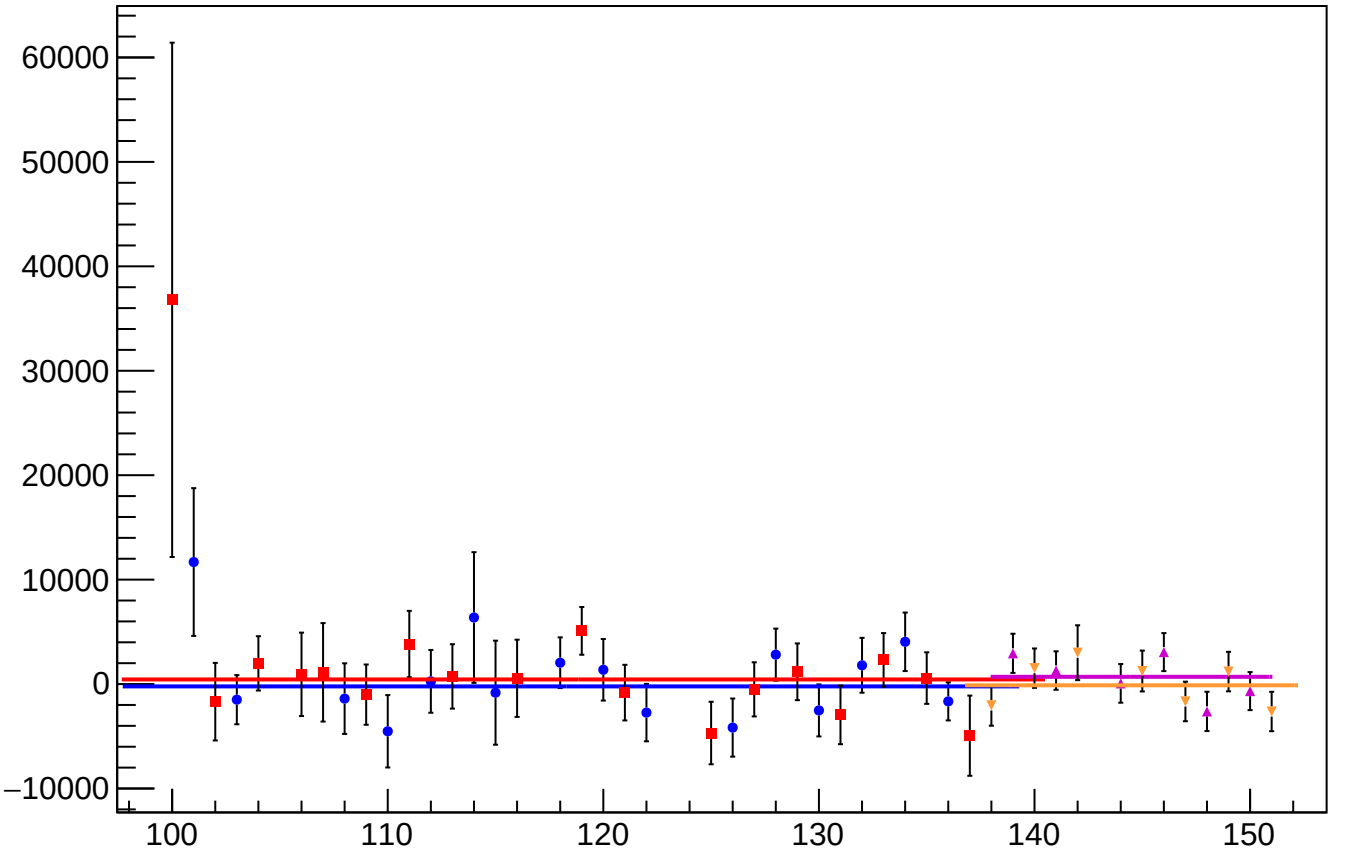
Left: 931.463+/-0.204 χ^2/NDF: 346378.7/12

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1106.786+/-0.233 χ^2/NDF:2283085.2/21

Out: 1112.878+/-0.235 χ^2/NDF:2512828.2/24

All: 1109.806+/-0.166 χ^2/NDF: 4796251.4/46



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -118.254+/-747.416 χ^2/NDF:6.5/6

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 694.592+/-754.476 χ^2/NDF:7.0/5

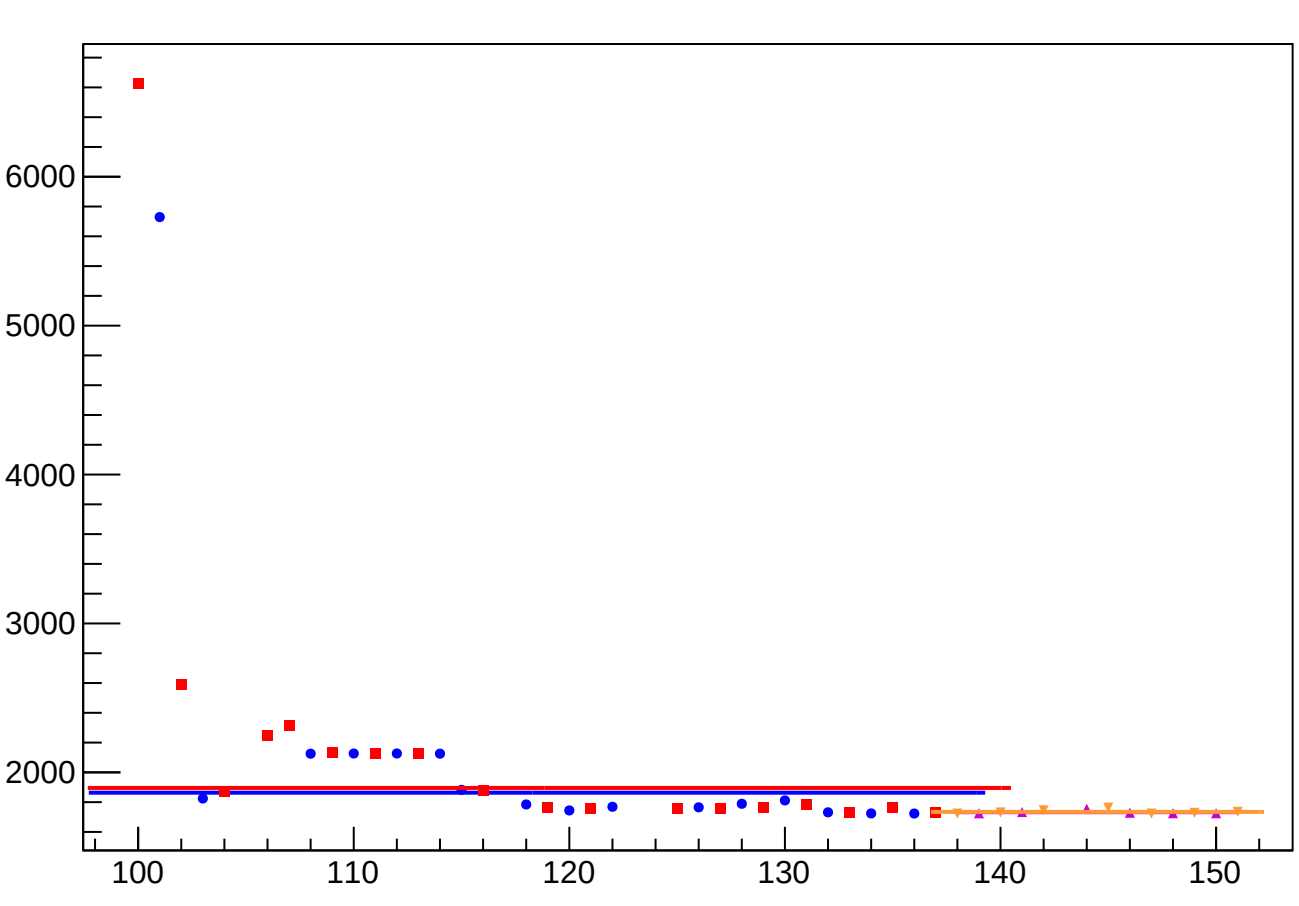
Left: 284.348+/-530.981 χ^2/NDF: 14.1/12

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 207.007+/-516.726 χ^2/NDF:23.6/21

Out: 175.565+/-515.942 χ^2/NDF:22.6/24

All: 191.262+/-365.103 χ^2/NDF: 46.2/46



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1734.544+/-0.529 χ^2/NDF:627.2/6

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1732.464+/-0.533 χ^2/NDF:416.0/5

Left: 1733.514+/-0.375 χ^2/NDF: 1050.9/12

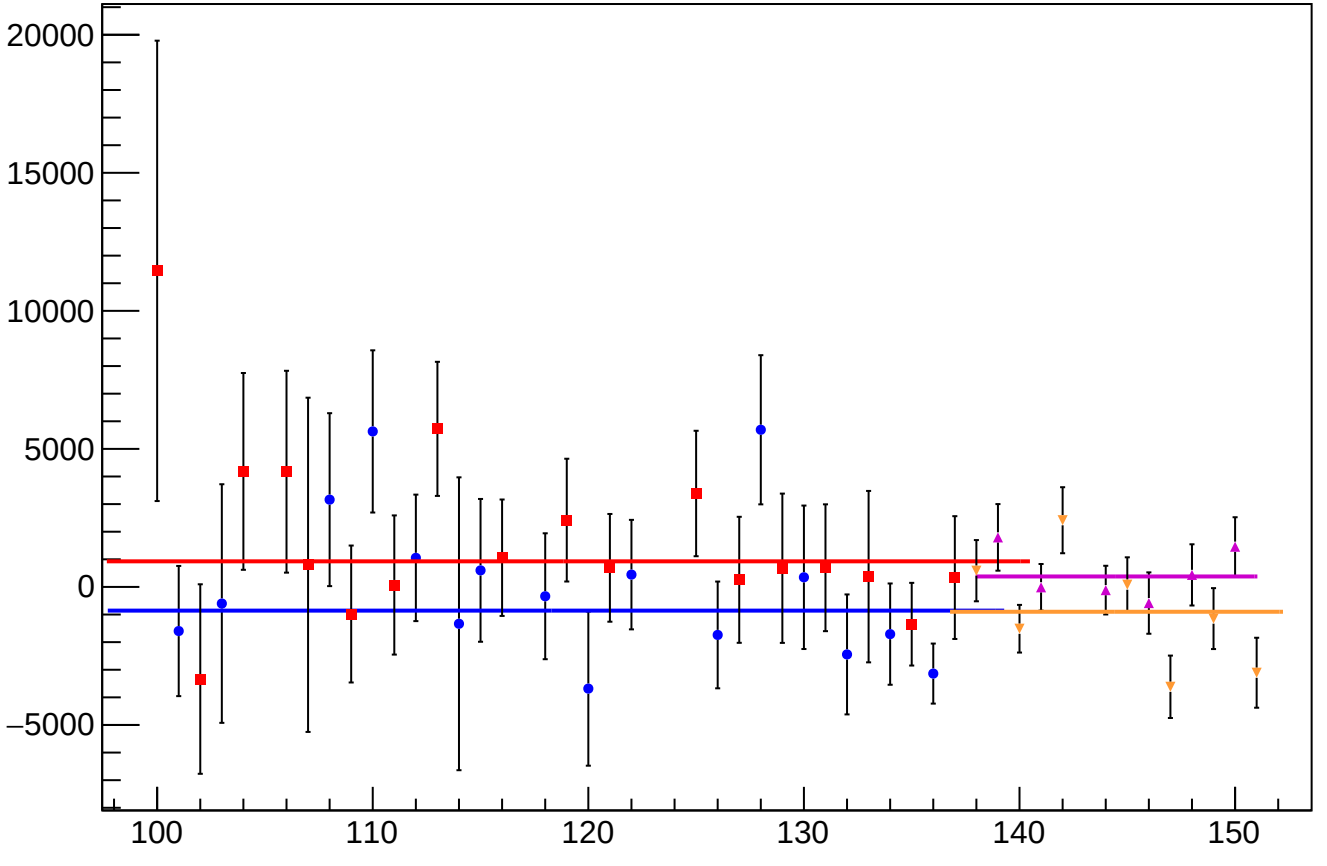
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1802.079+/-0.365 χ^2/NDF:707151.5/21

Out: 1818.797+/-0.365 χ^2/NDF:308347.8/24

All: 1810.451+/-0.258 χ^2/NDF: 1016547.7/46

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: -899.617+/-404.855 χ^2/NDF:19.8/6

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 379.010+/-412.400 χ^2/NDF:3.7/5

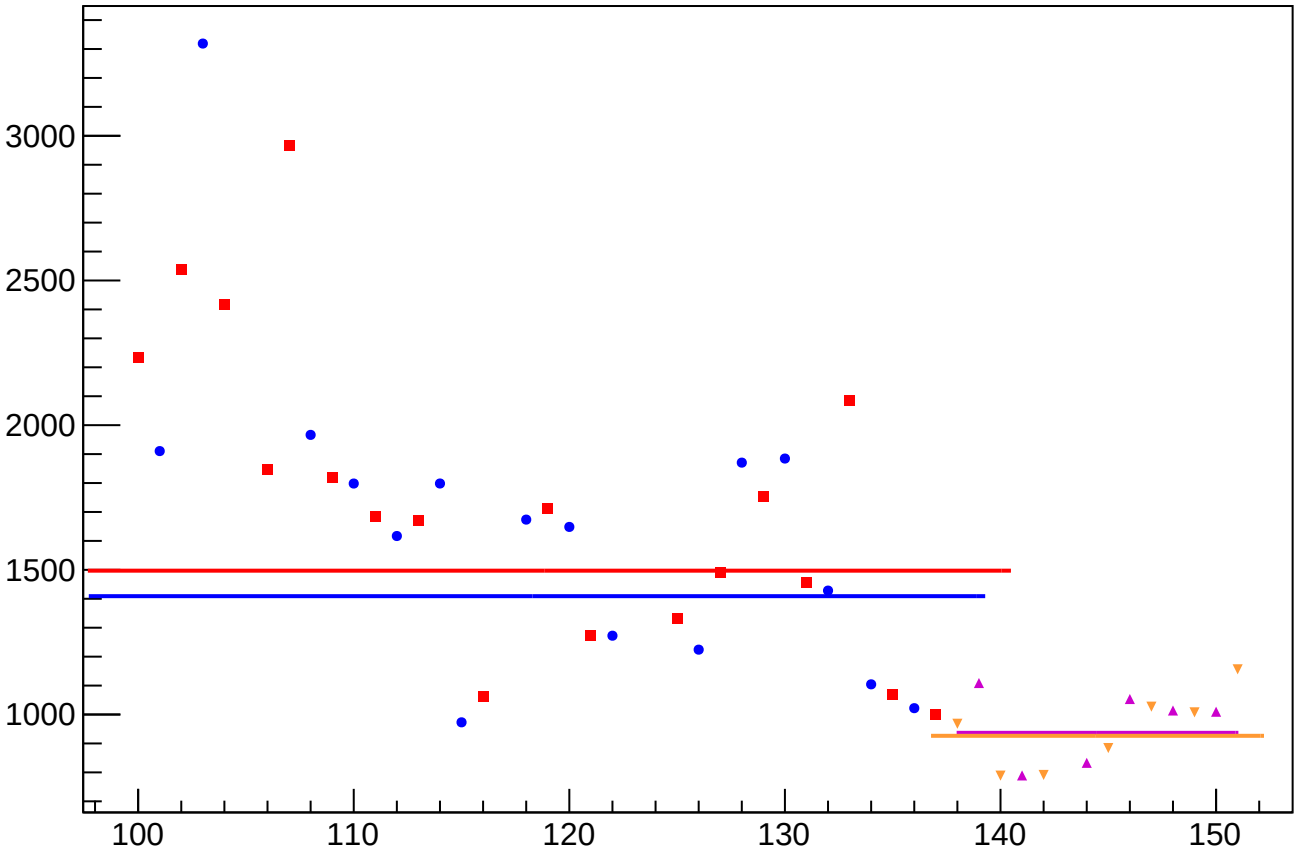
Left: -272.107+/-288.906 χ^2/NDF: 28.4/12

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -66.477+/-329.894 χ^2/NDF:27.5/21

Out: -307.863+/-332.886 χ^2/NDF:40.0/24

All: -186.080+/-234.321 χ^2/NDF: 67.8/46



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 926.431+/-0.286 χ^2/NDF:175278.6/6

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 936.682+/-0.292 χ^2/NDF:170454.1/5

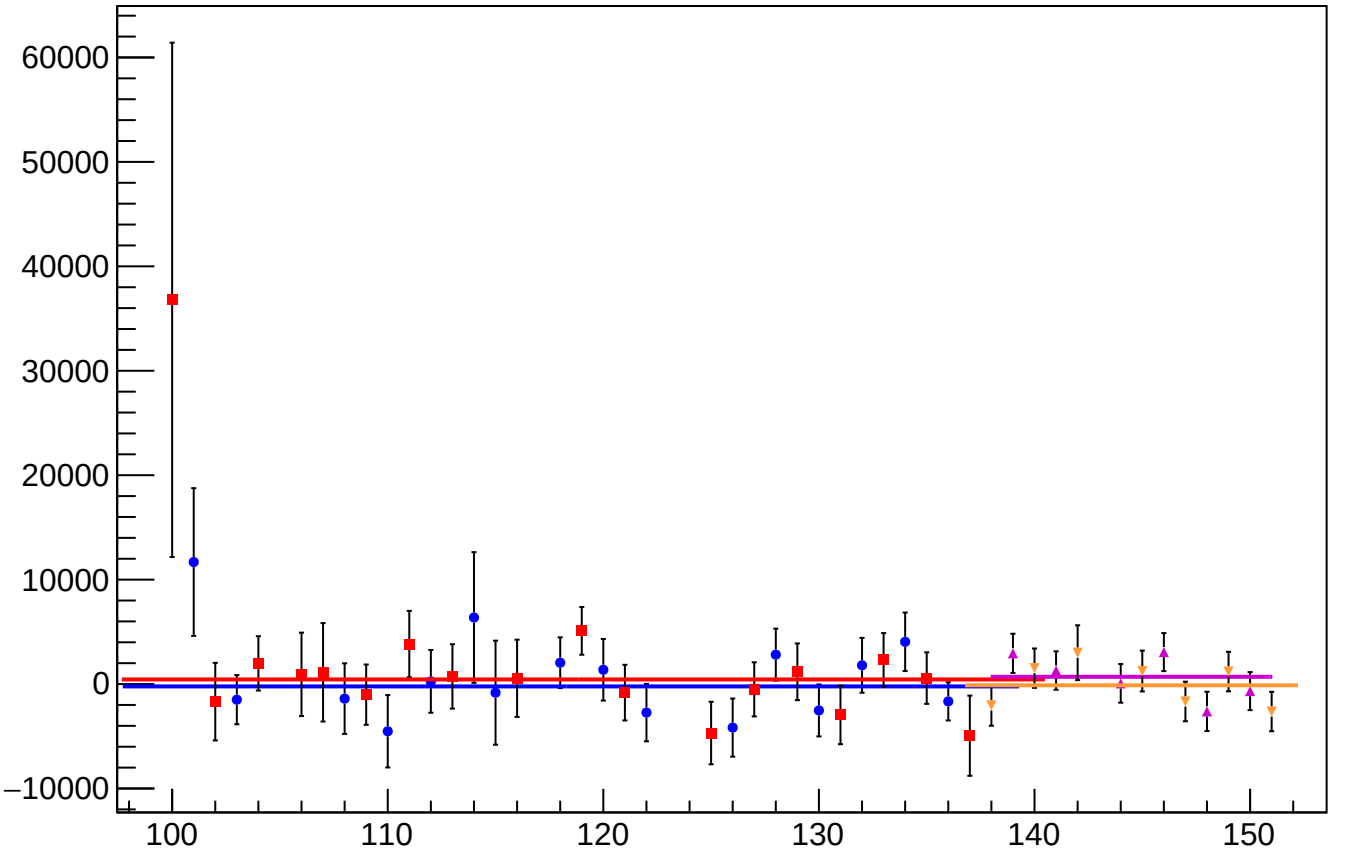
Left: 931.462+/-0.204 χ^2/NDF: 346361.9/12

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1106.770+/-0.233 χ^2/NDF:2282271.4/21

Out: 1111.302+/-0.235 χ^2/NDF:2480830.7/24

All: 1109.016+/-0.166 χ^2/NDF: 4763289.2/46



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: -118.254+/-747.416 χ^2/NDF:6.5/6

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 694.592+/-754.476 χ^2/NDF:7.0/5

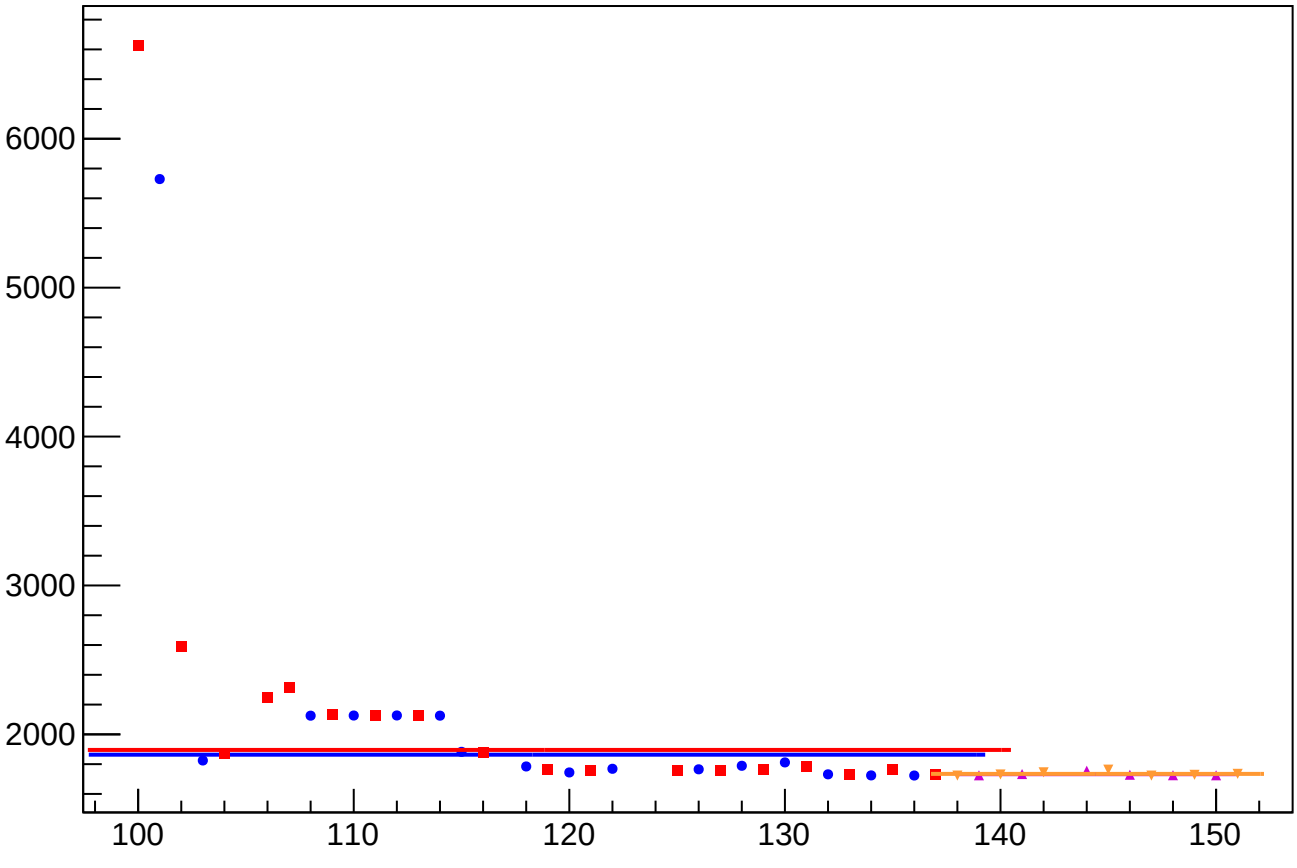
Left: 284.348+/-530.981 χ^2/NDF: 14.1/12

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 207.007+/-516.726 χ^2/NDF:23.6/21

Out: 175.565+/-515.942 χ^2/NDF:22.6/24

All: 191.262+/-365.103 χ^2/NDF: 46.2/46



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1734.544+/-0.529 χ^2/NDF:627.2/6

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1732.464+/-0.533 χ^2/NDF:416.0/5

Left: 1733.514+/-0.375 χ^2/NDF: 1050.9/12

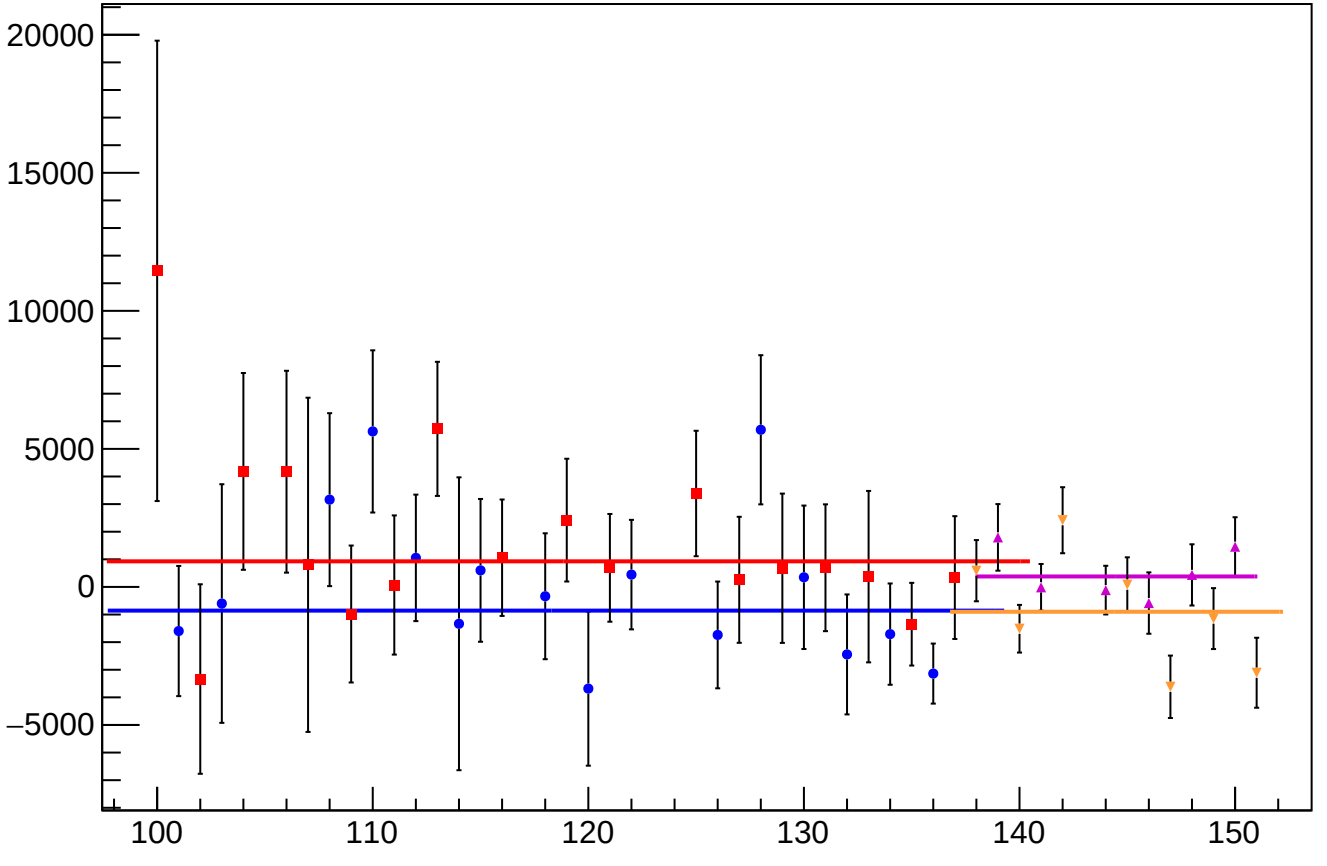
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1802.079+/-0.365 χ^2/NDF:707151.5/21

Out: 1818.797+/-0.365 χ^2/NDF:308347.8/24

All: 1810.451+/-0.258 χ^2/NDF: 1016547.7/46

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: -899.617+/-404.855 χ^2/NDF:19.8/6

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 379.010+/-412.400 χ^2/NDF:3.7/5

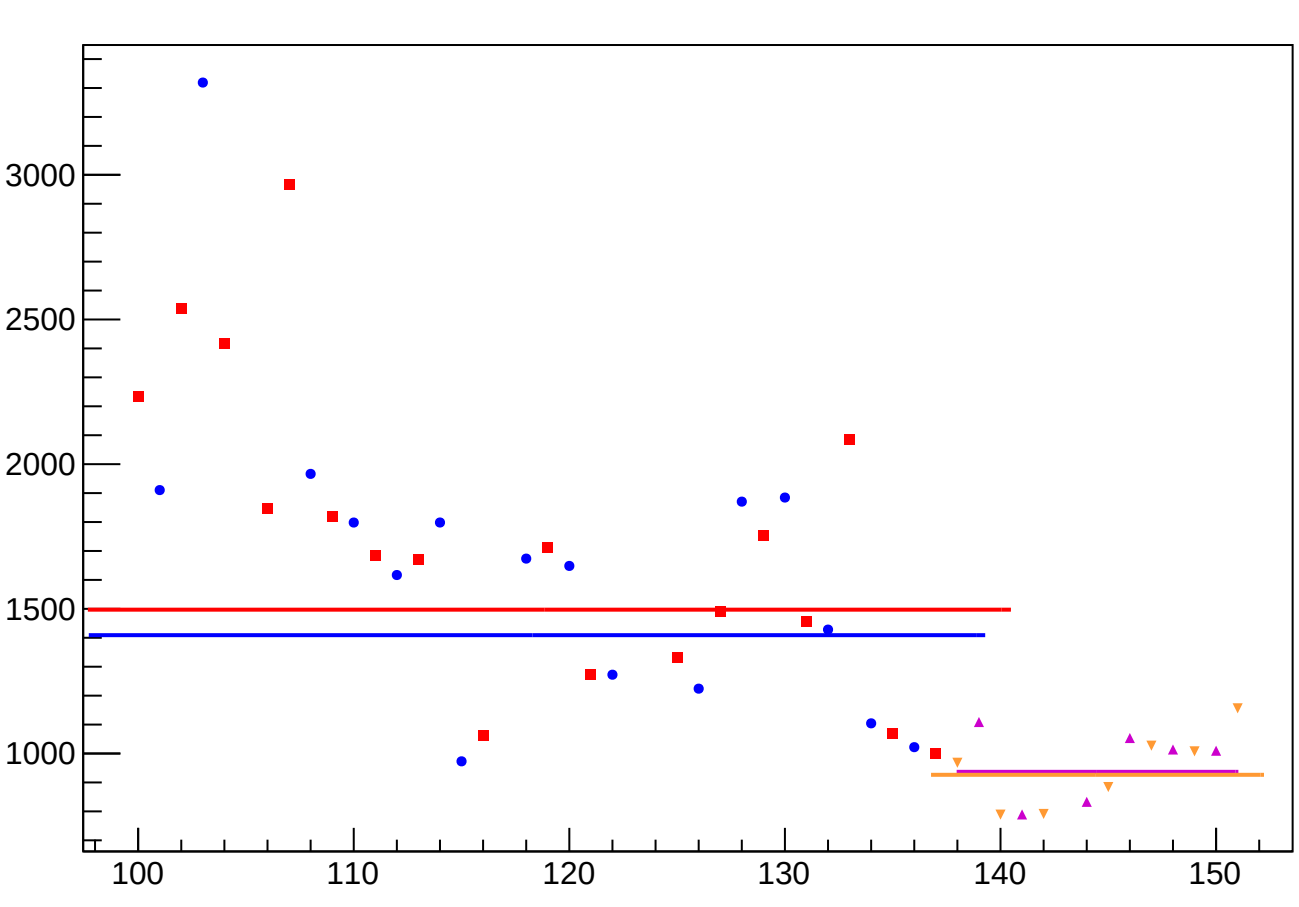
Left: -272.107+/-288.906 χ^2/NDF: 28.4/12

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -66.477+/-329.894 χ^2/NDF:27.5/21

Out: -307.863+/-332.886 χ^2/NDF:40.0/24

All: -186.080+/-234.321 χ^2/NDF: 67.8/46



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 926.431+/-0.286 χ^2/NDF:175278.6/6

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 936.682+/-0.292 χ^2/NDF:170454.1/5

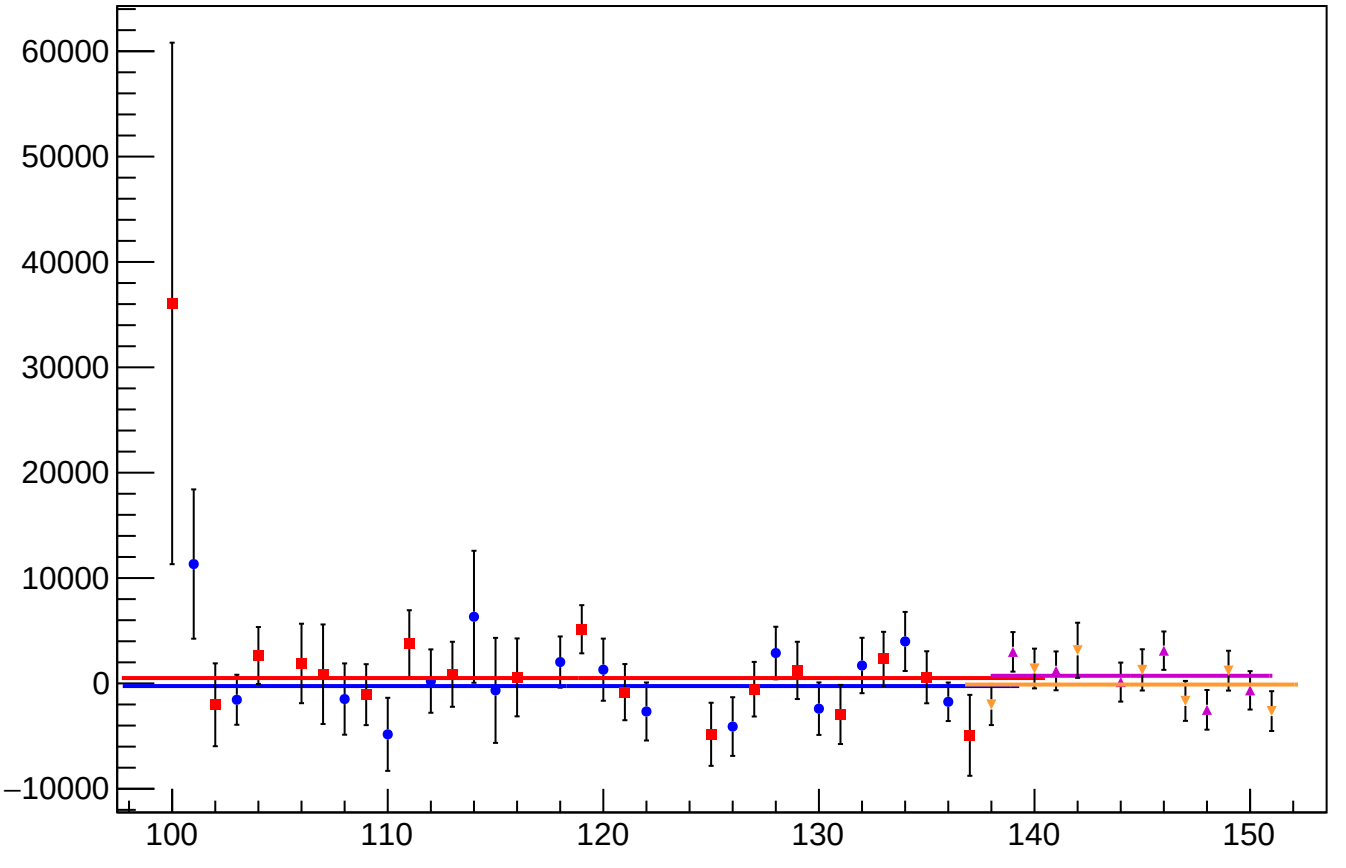
Left: 931.462+/-0.204 χ^2/NDF: 346361.9/12

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1106.770+/-0.233 χ^2/NDF:2282271.4/21

Out: 1111.302+/-0.235 χ^2/NDF:2480830.7/24

All: 1109.016+/-0.166 χ^2/NDF: 4763289.2/46



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: -107.989+/-747.563 χ^2/NDF:6.6/6

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 724.365+/-754.842 χ^2/NDF:6.9/5

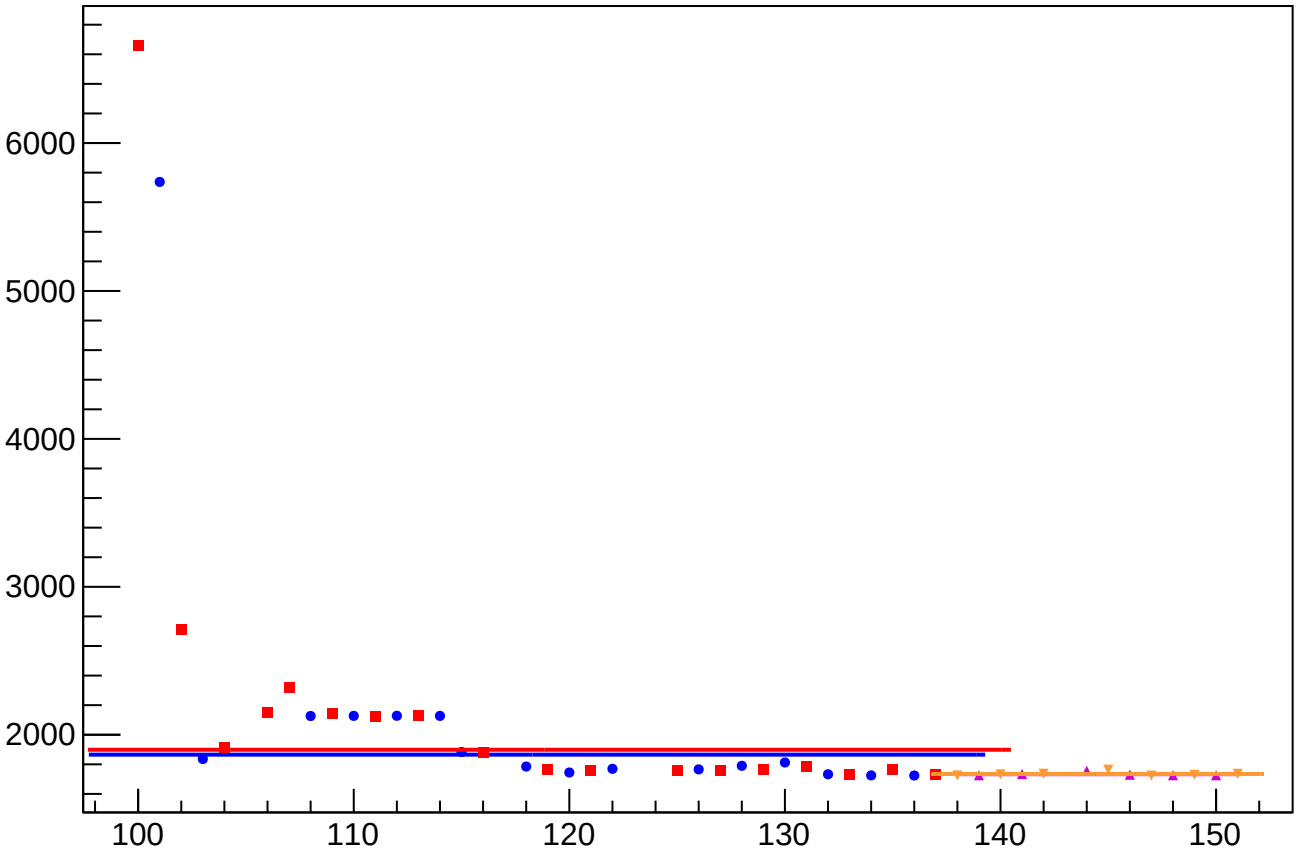
Left: 304.156+/-531.162 χ^2/NDF: 14.1/12

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 206.290+/-517.162 χ^2/NDF:23.4/21

Out: 214.628+/-516.877 χ^2/NDF:23.3/24

All: 210.462+/-365.588 χ^2/NDF: 46.8/46



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.796+/-0.529 χ^2/NDF:581.8/6

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1733.305+/-0.534 χ^2/NDF:416.0/5

Left: 1734.058+/-0.376 χ^2/NDF: 1001.7/12

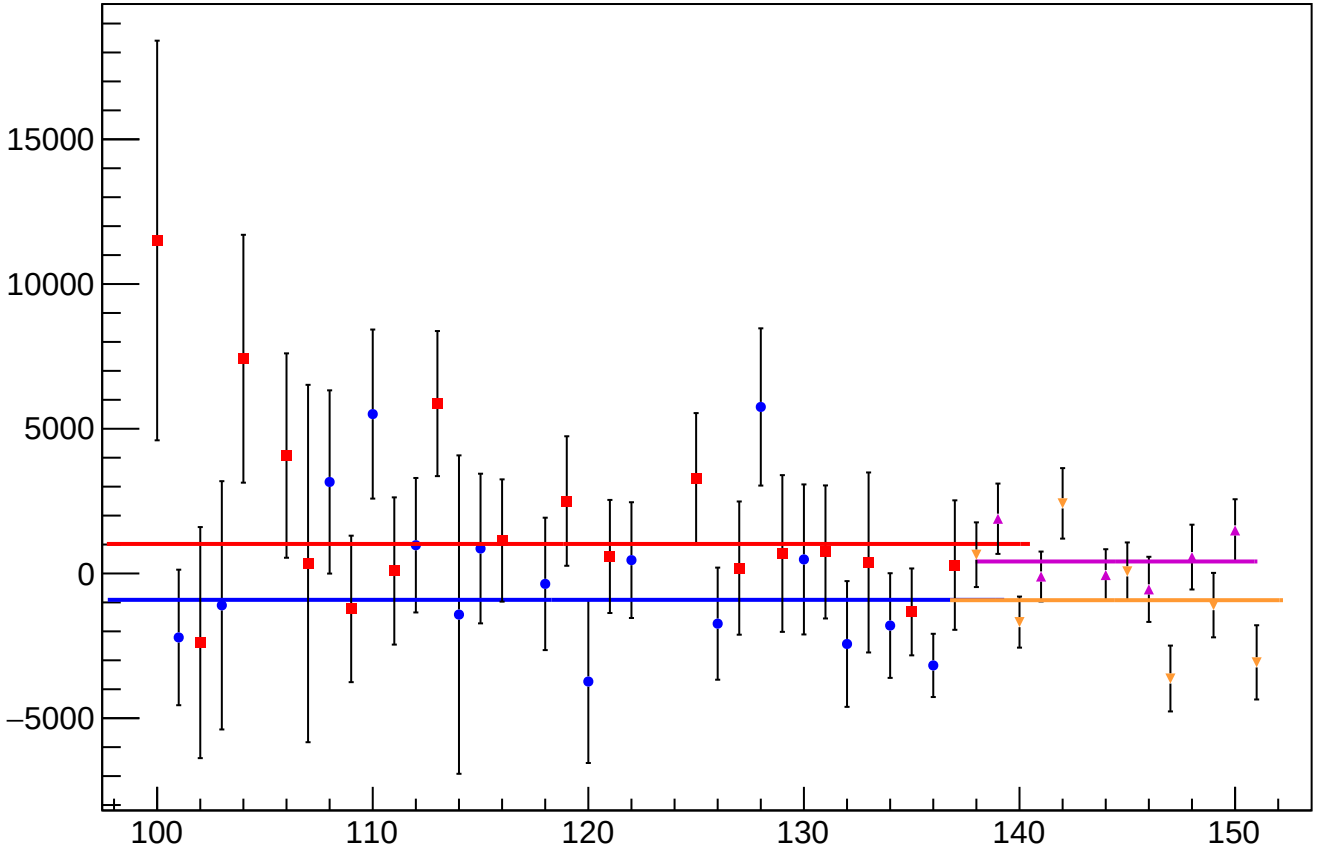
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1803.416+/-0.366 χ^2/NDF:707923.4/21

Out: 1820.294+/-0.365 χ^2/NDF:319813.2/24

All: 1811.860+/-0.259 χ^2/NDF: 1028802.4/46

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: -922.943+/-410.027 χ^2/NDF:19.7/6

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 414.209+/-417.695 χ^2/NDF:3.9/5

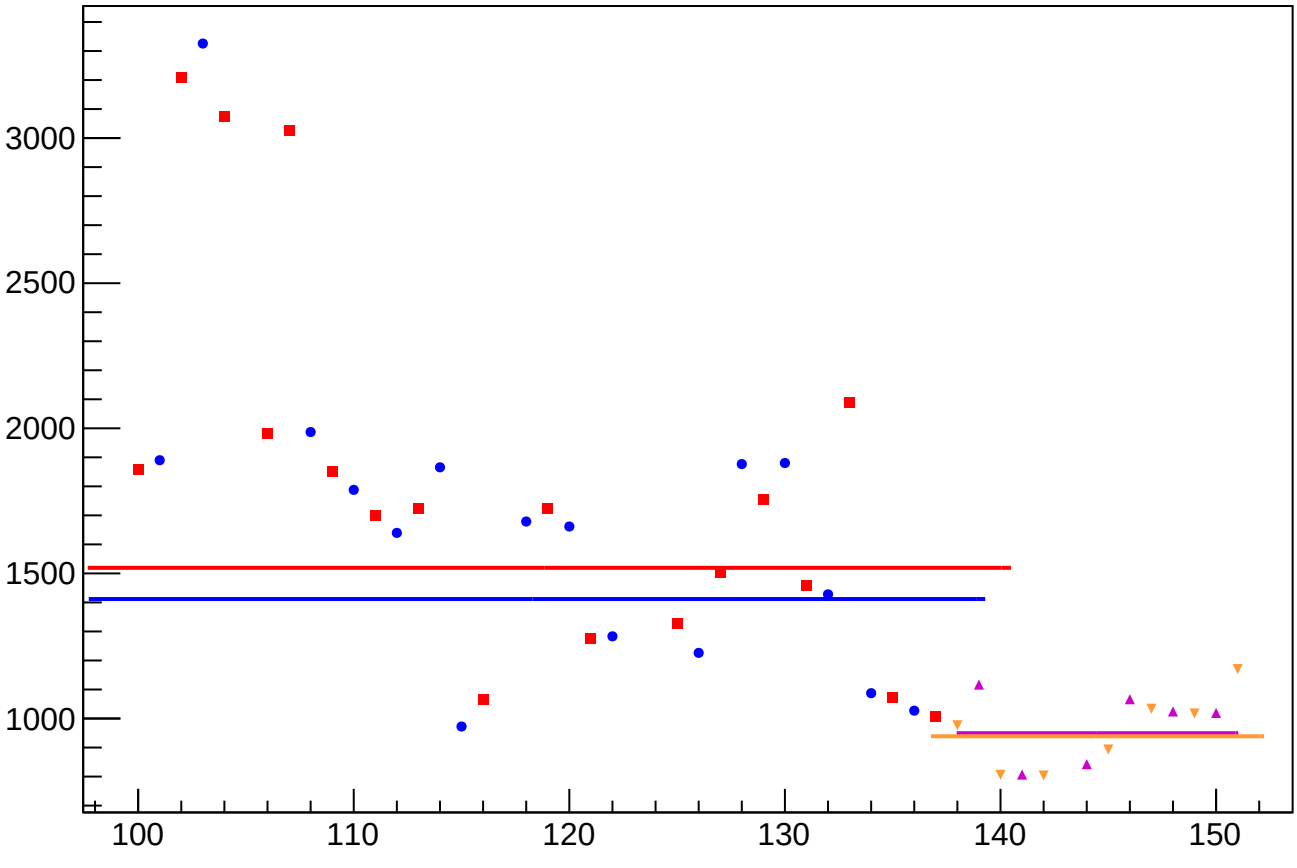
Left: -266.753+/-292.606 χ^2/NDF: 28.8/12

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -69.586+/-332.827 χ^2/NDF:28.5/21

Out: -292.438+/-336.999 χ^2/NDF:42.0/24

All: -179.624+/-236.805 χ^2/NDF: 70.7/46



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 938.847+/-0.290 χ^2/NDF:165473.5/6

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 949.460+/-0.295 χ^2/NDF:160334.5/5

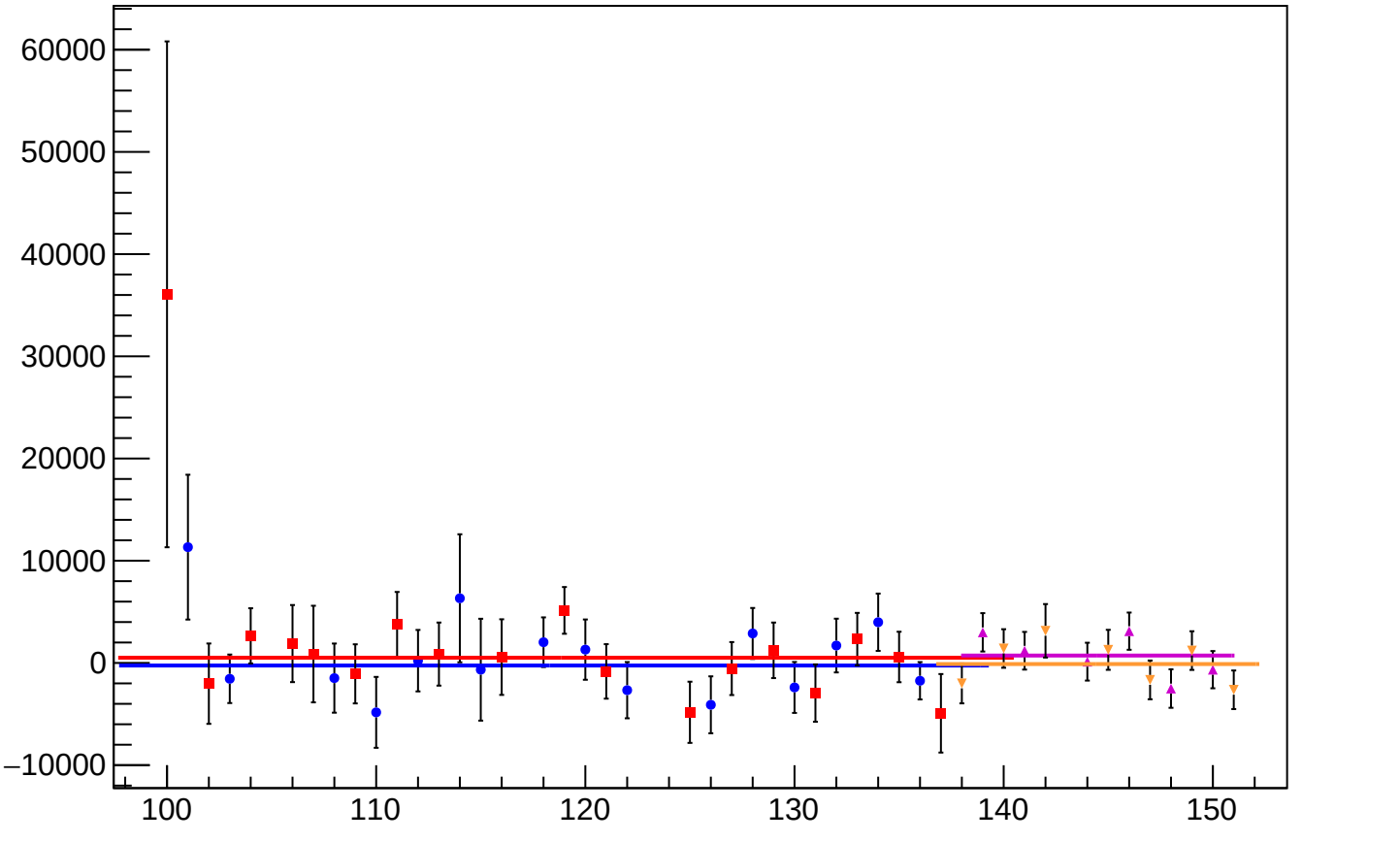
Left: 944.055+/-0.207 χ^2/NDF: 326465.6/12

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1118.233+/-0.235 χ^2/NDF:2232471.5/21

Out: 1127.200+/-0.238 χ^2/NDF:2826230.3/24

All: 1122.661+/-0.167 χ^2/NDF: 5059418.4/46



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: -107.991+/-747.563 χ^2/NDF:6.6/6

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 724.366+/-754.842 χ^2/NDF:6.9/5

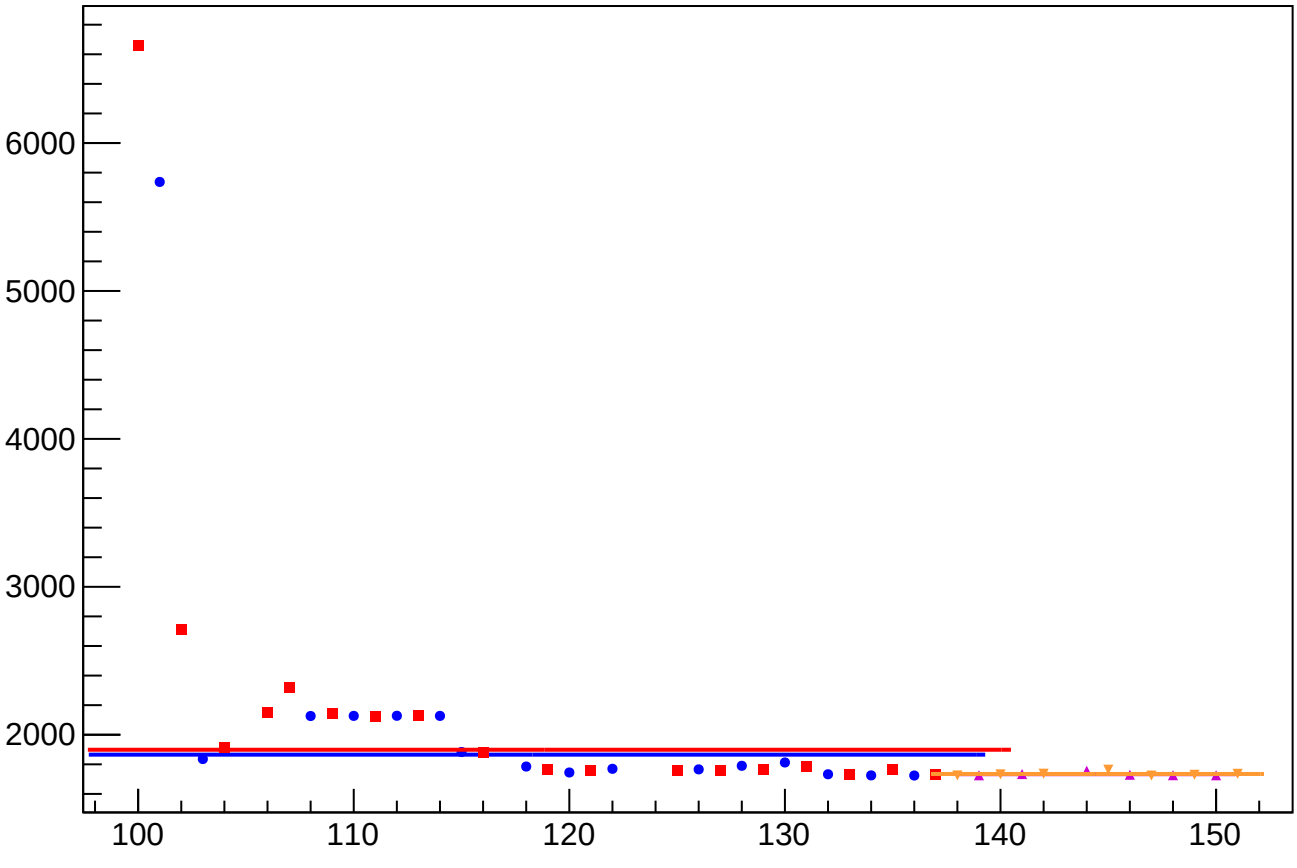
Left: 304.155+/-531.162 χ^2/NDF: 14.1/12

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 206.291+/-517.162 χ^2/NDF:23.4/21

Out: 214.627+/-516.877 χ^2/NDF:23.3/24

All: 210.462+/-365.588 χ^2/NDF: 46.8/46



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.796+/-0.529 χ^2/NDF:581.8/6

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1733.305+/-0.534 χ^2/NDF:416.0/5

Left: 1734.058+/-0.376 χ^2/NDF: 1001.7/12

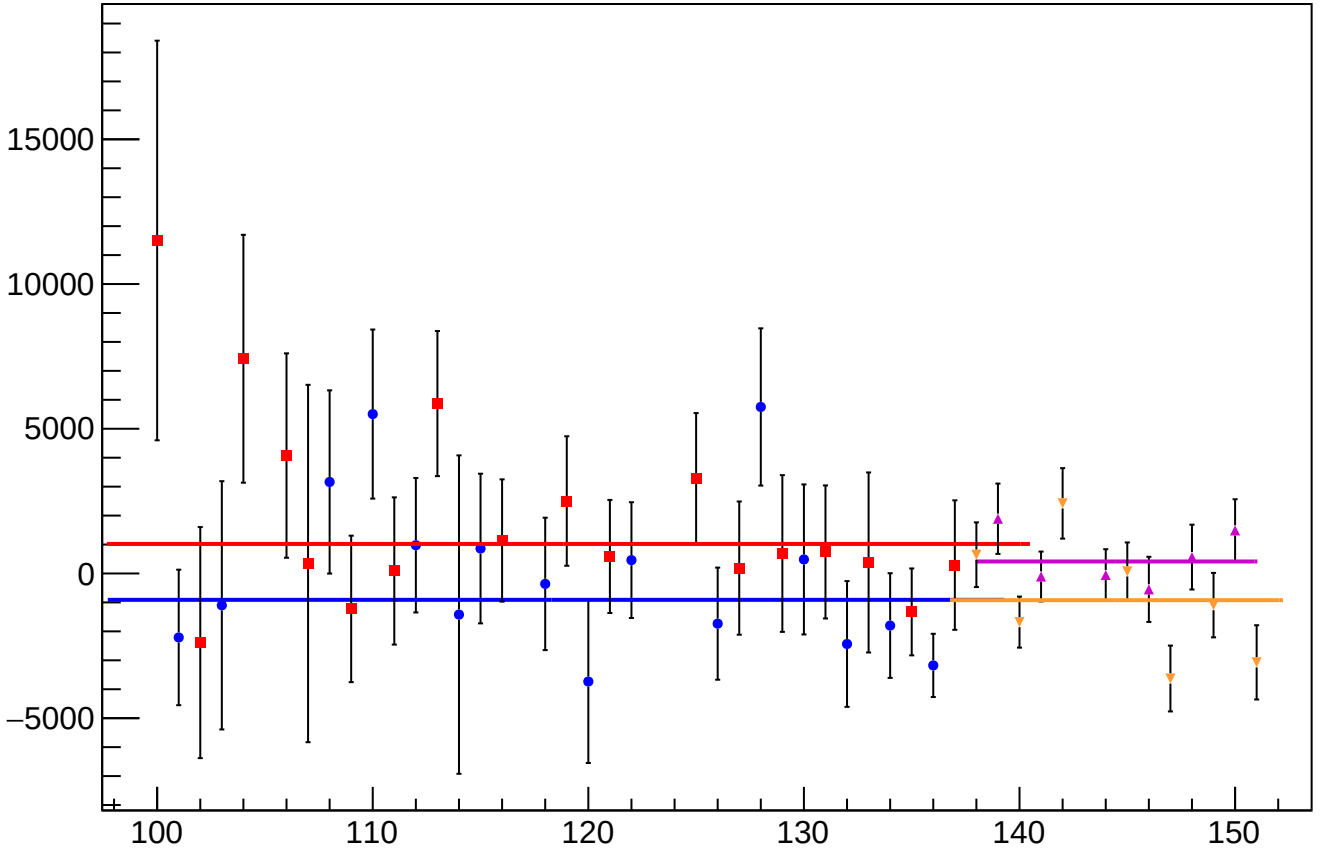
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1803.416+/-0.366 χ^2/NDF:707923.4/21

Out: 1820.294+/-0.365 χ^2/NDF:319813.0/24

All: 1811.860+/-0.259 χ^2/NDF: 1028802.1/46

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: -922.943+/-410.027 χ^2/NDF:19.7/6

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 414.207+/-417.695 χ^2/NDF:3.9/5

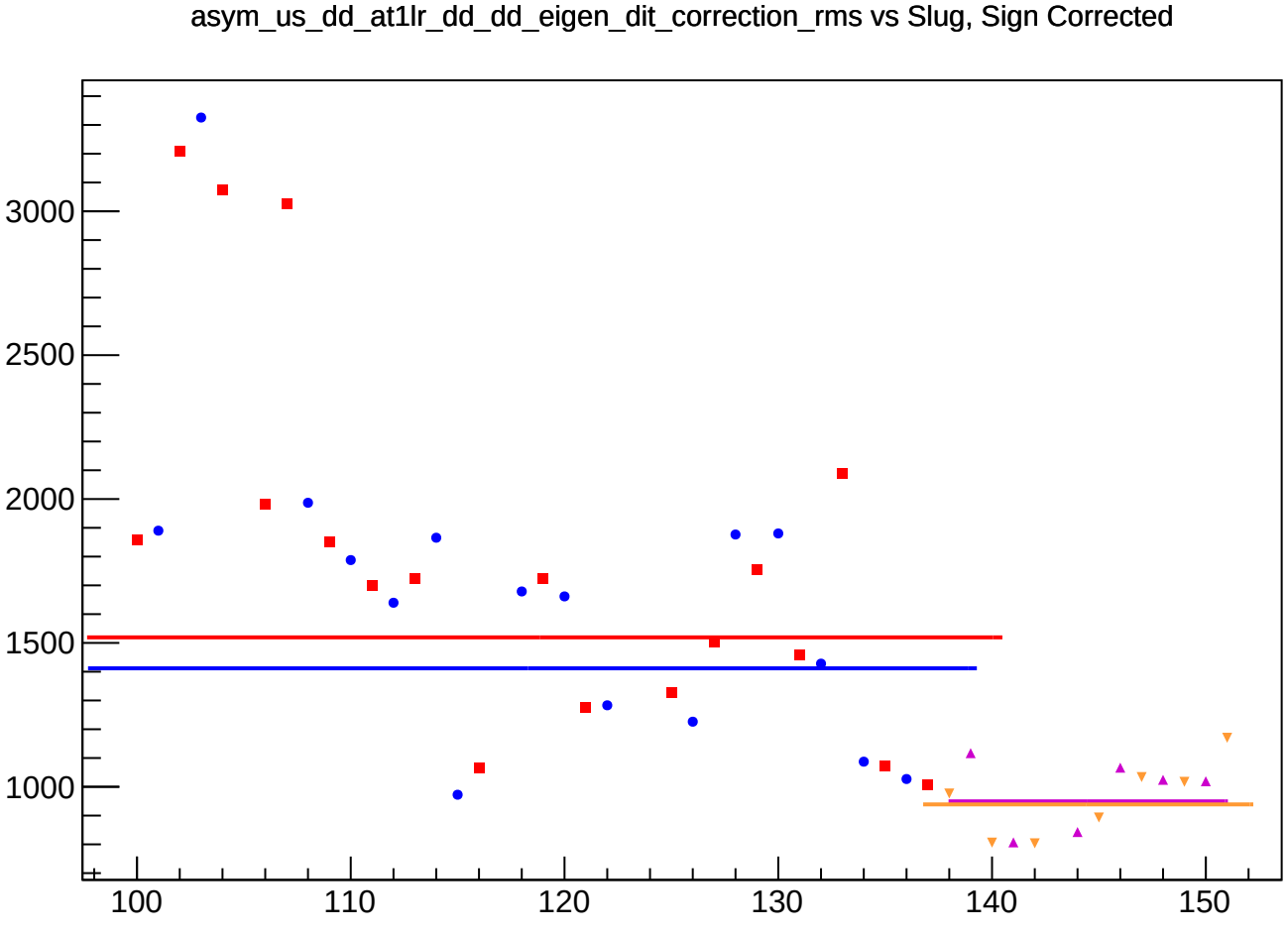
Left: -266.755+/-292.606 χ^2/NDF: 28.8/12

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -69.586+/-332.826 χ^2/NDF:28.5/21

Out: -292.438+/-336.999 χ^2/NDF:42.0/24

All: -179.624+/-236.805 χ^2/NDF: 70.7/46



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 938.846+/-0.290 χ^2/NDF:165478.5/6

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 949.459+/-0.295 χ^2/NDF:160339.1/5

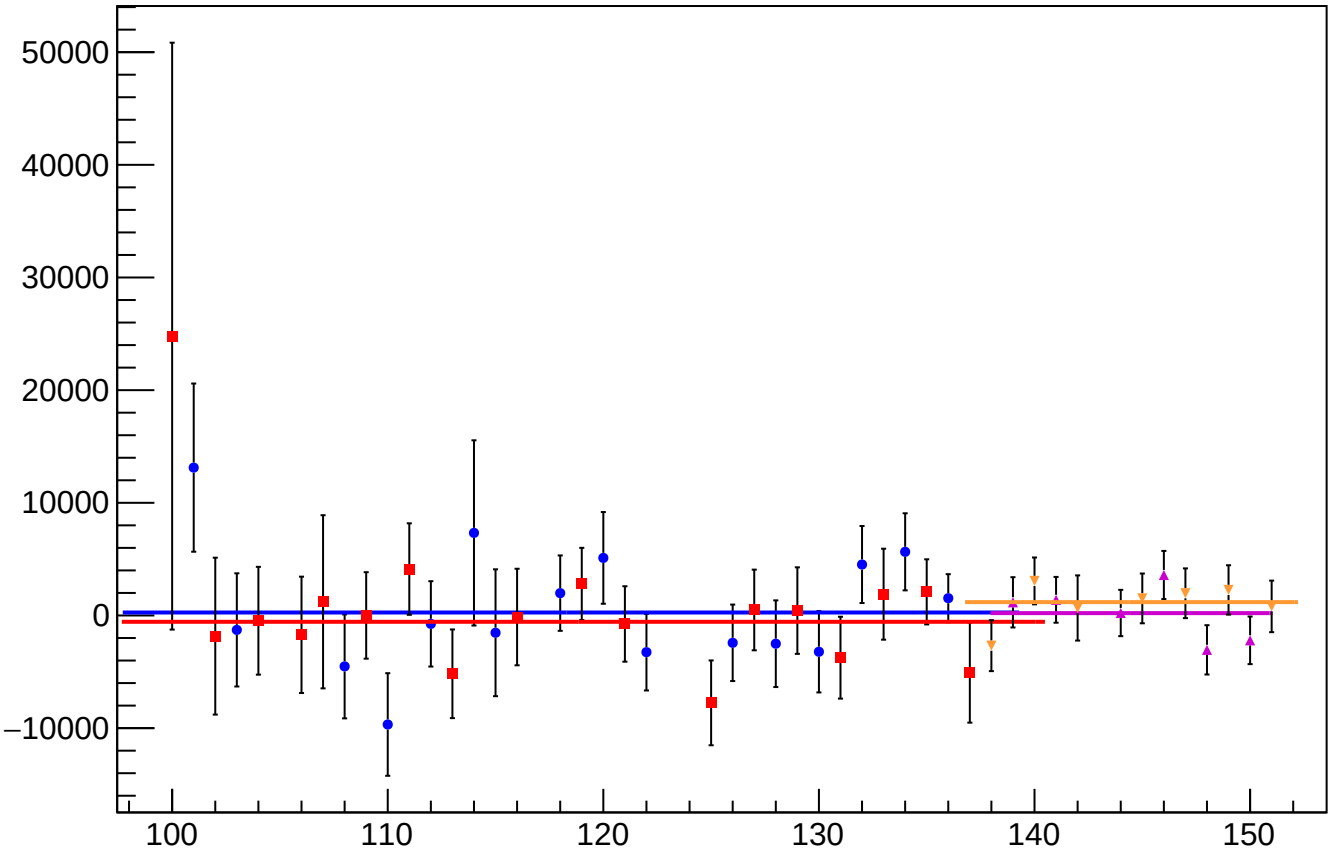
Left: 944.054+/-0.207 χ^2/NDF: 326475.2/12

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1118.232+/-0.235 χ^2/NDF:2232468.8/21

Out: 1127.198+/-0.238 χ^2/NDF:2826237.2/24

All: 1122.659+/-0.167 χ^2/NDF: 5059422.7/46



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1185.967+/-858.895 χ^2/NDF:4.2/6

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 209.055+/-866.612 χ^2/NDF:6.6/5

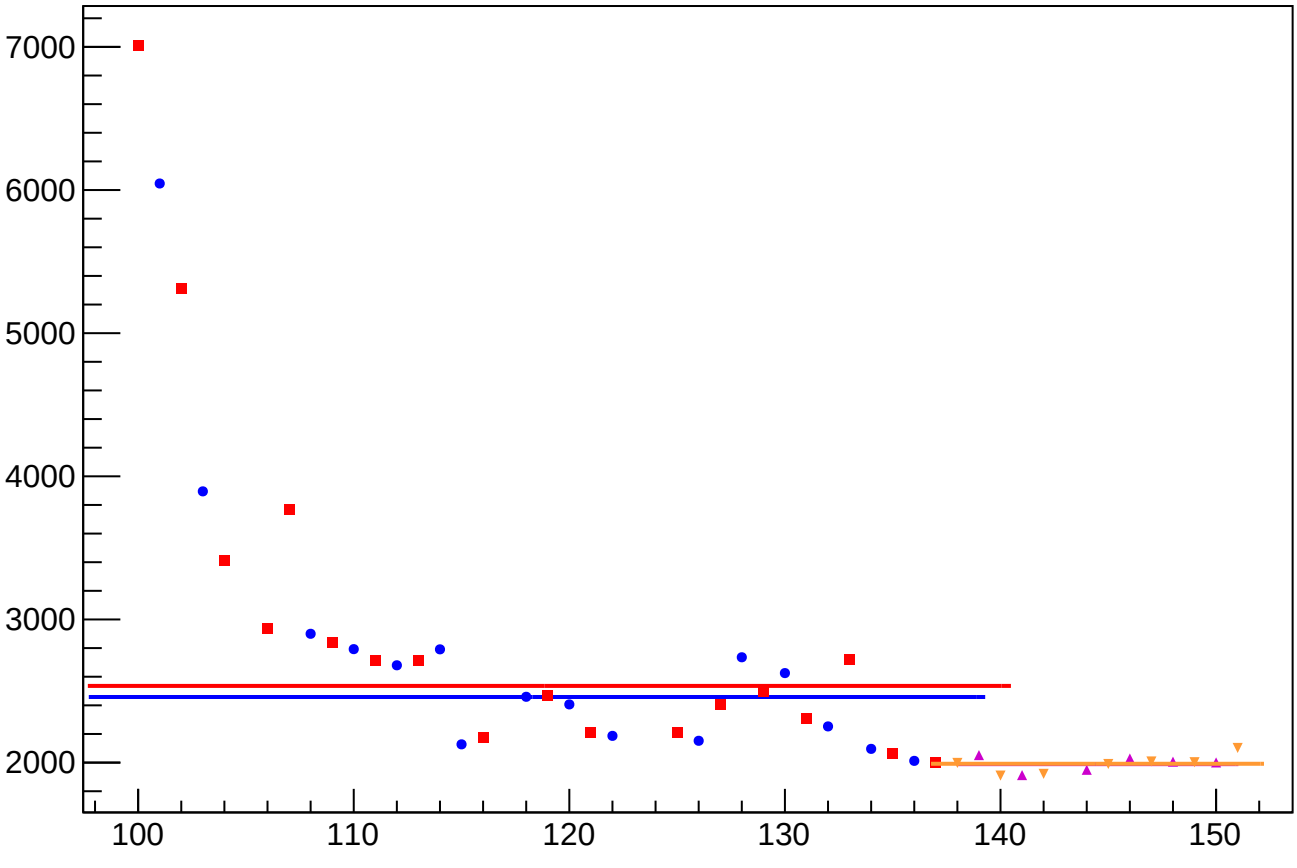
Left: 701.880+/-610.040 χ^2/NDF: 11.4/12

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 234.417+/-637.770 χ^2/NDF:25.6/21

Out: 411.948+/-640.971 χ^2/NDF:17.8/24

All: 322.738+/-452.099 χ^2/NDF: 43.4/46



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1991.839+/-0.607 χ^2/NDF:9174.5/6

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1989.164+/-0.613 χ^2/NDF:6043.7/5

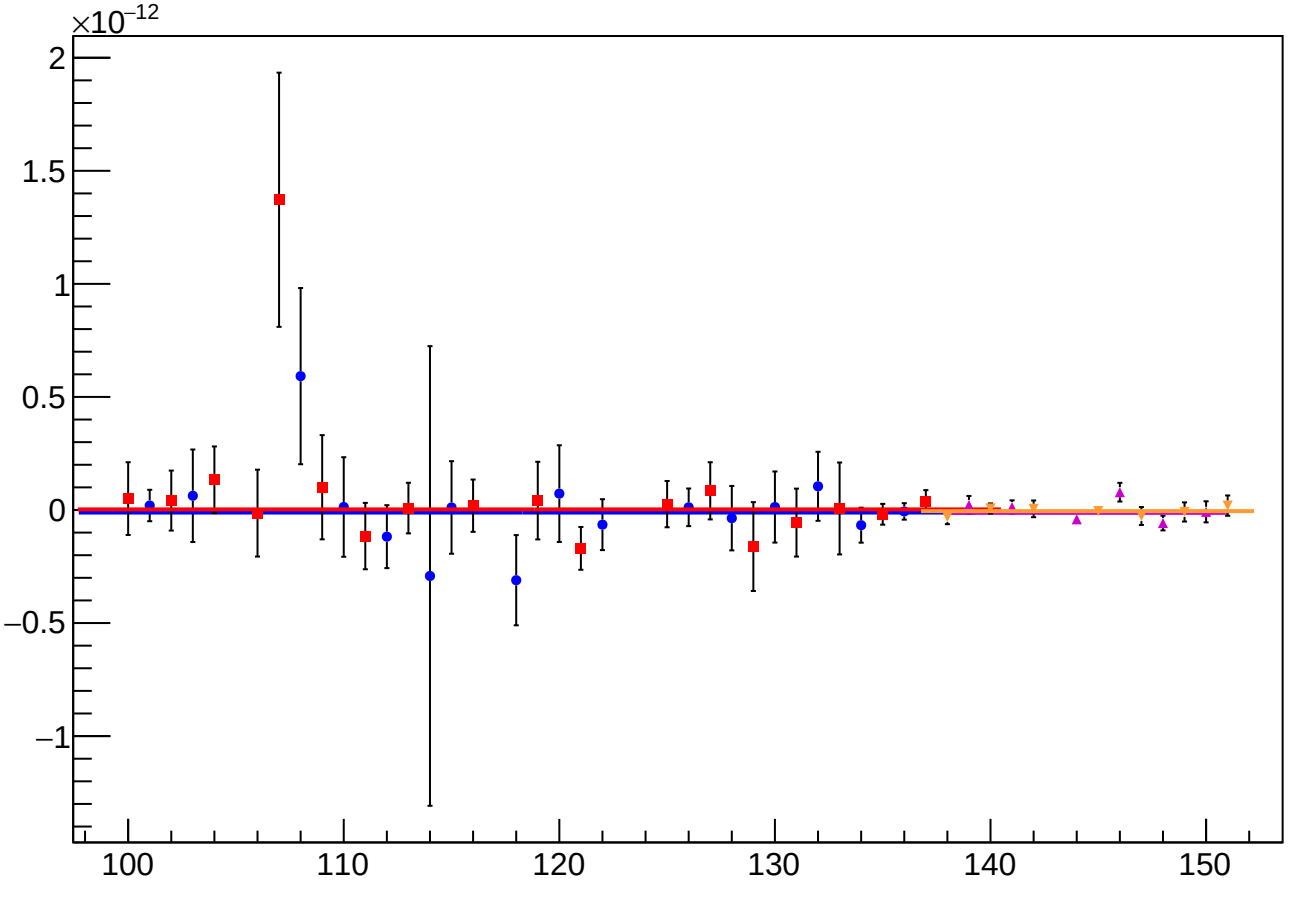
Left: 1990.514+/-0.431 χ^2/NDF: 15227.9/12

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2204.231+/-0.451 χ^2/NDF:1107640.7/21

Out: 2232.847+/-0.453 χ^2/NDF:1037926.4/24

All: 2218.467+/-0.320 χ^2/NDF: 2147570.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/5

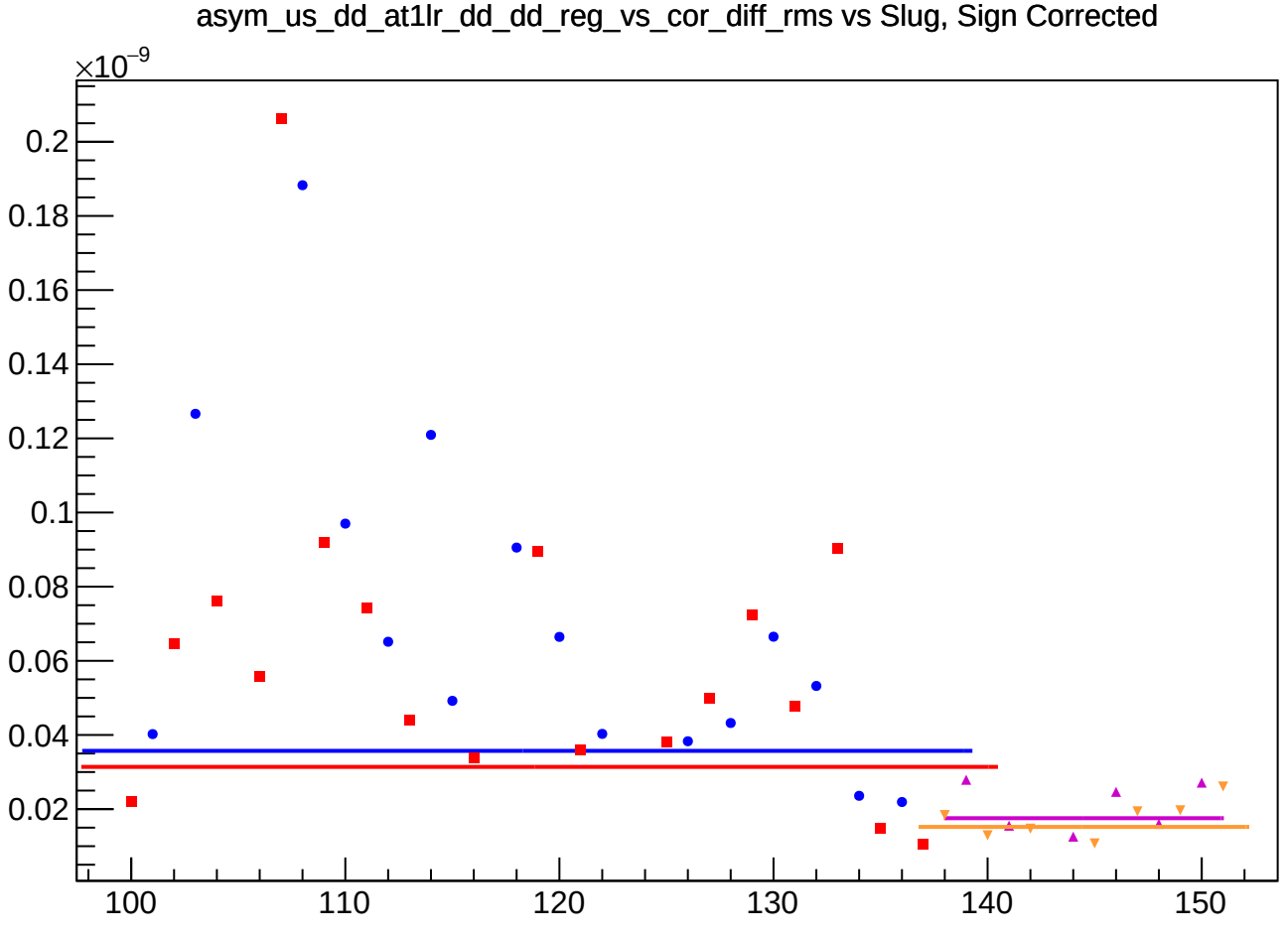
Left: -0.000+/-0.000 χ^2/NDF: 12.1/12

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

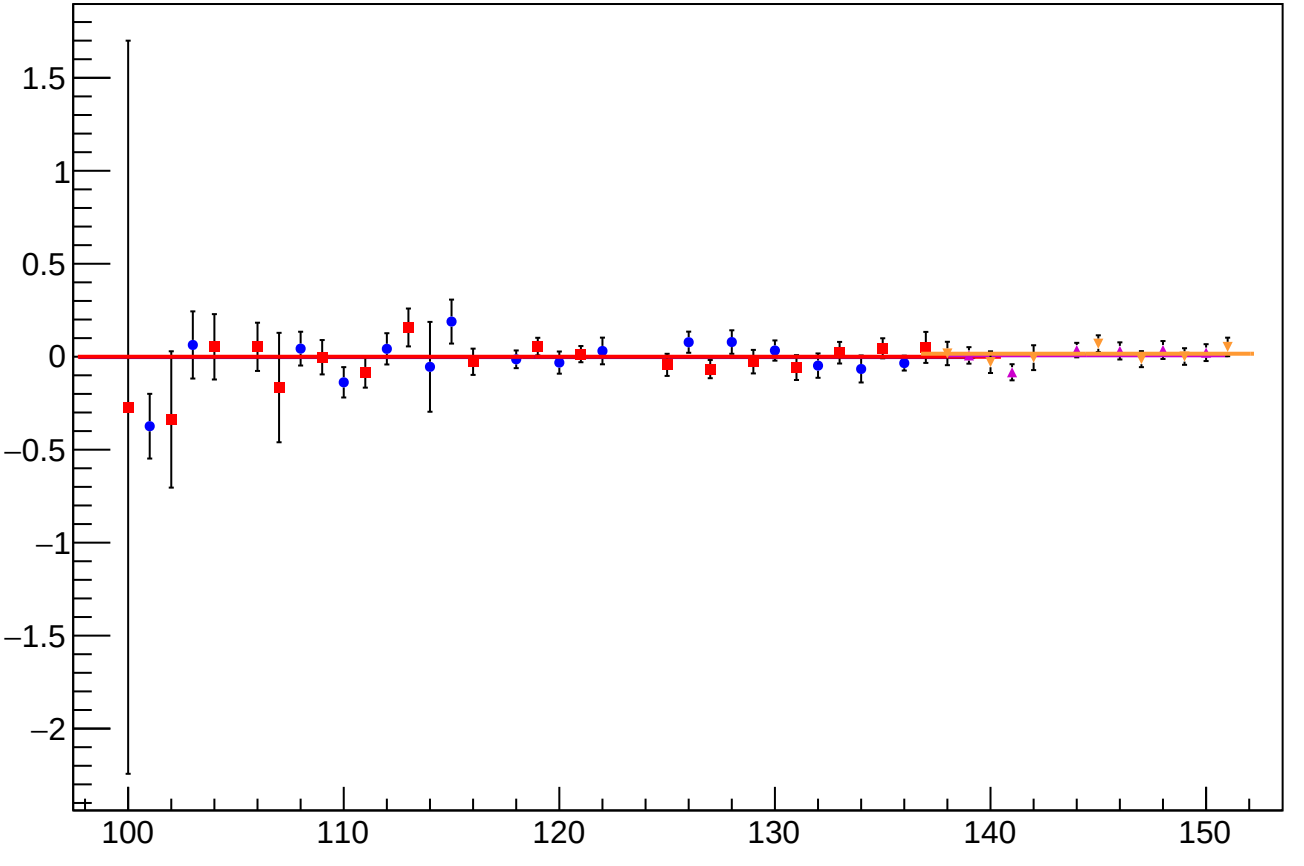
In: -0.000+/-0.000 χ^2/NDF:17.5/21

Out: -0.000+/-0.000 χ^2/NDF:15.0/24

All: -0.000+/-0.000 χ^2/NDF: 32.8/46


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
150
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:284444.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:404433.7/5
Left: 0.000+/-0.000 χ²/NDF: 725849.4/12
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:2884442.6/21
Out: 0.000+/-0.000 χ²/NDF:3073110.6/24
All: 0.000+/-0.000 χ²/NDF: 6047833.4/46

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: 0.016+/-0.019 χ^2/NDF:3.2/6

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.018 χ^2/NDF:5.7/5

Left: 0.012+/-0.013 χ^2/NDF: 9.0/12

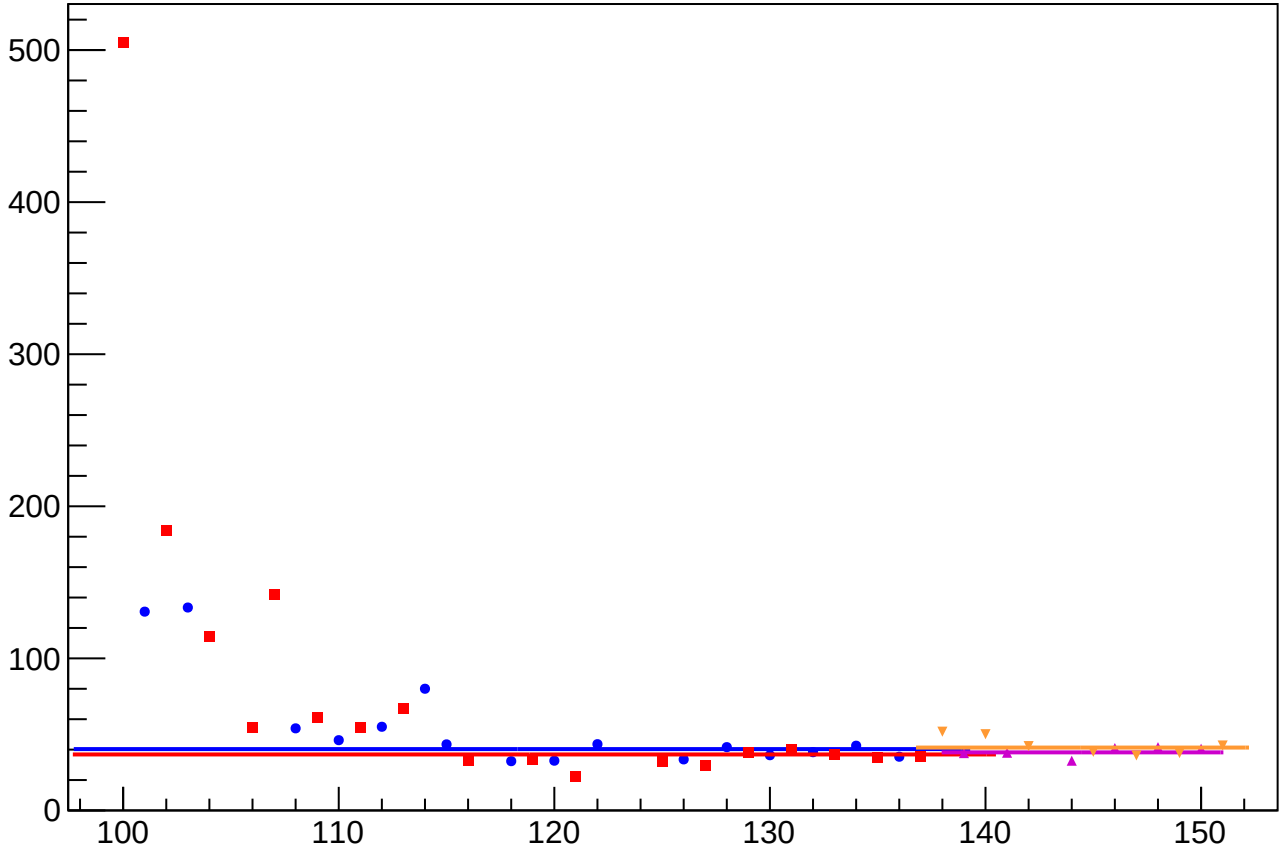
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.012 χ^2/NDF:22.9/21

Out: 0.007+/-0.013 χ^2/NDF:14.6/24

All: 0.005+/-0.009 χ^2/NDF: 37.5/46

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: 41.353+/-0.014 χ^2/NDF:152196.1/6

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.194+/-0.013 χ^2/NDF:62846.9/5

Left: 39.670+/-0.009 χ^2/NDF: 243809.8/12

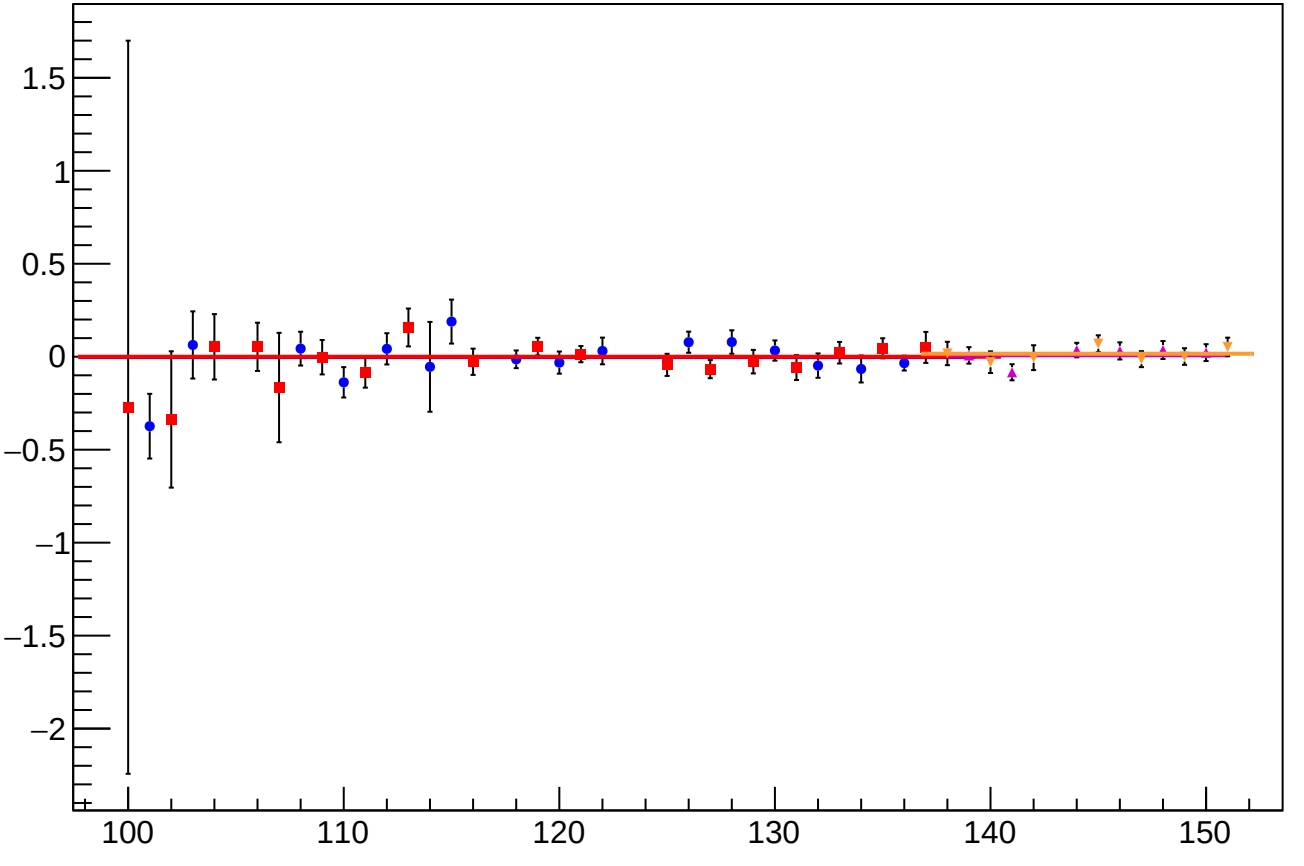
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.330+/-0.009 χ^2/NDF:1488100.8/21

Out: 38.767+/-0.009 χ^2/NDF:2052662.1/24

All: 39.053+/-0.006 χ^2/NDF: 3542787.9/46

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: 0.016+/-0.019 χ^2/NDF:3.2/6

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.018 χ^2/NDF:5.7/5

Left: 0.012+/-0.013 χ^2/NDF: 9.0/12

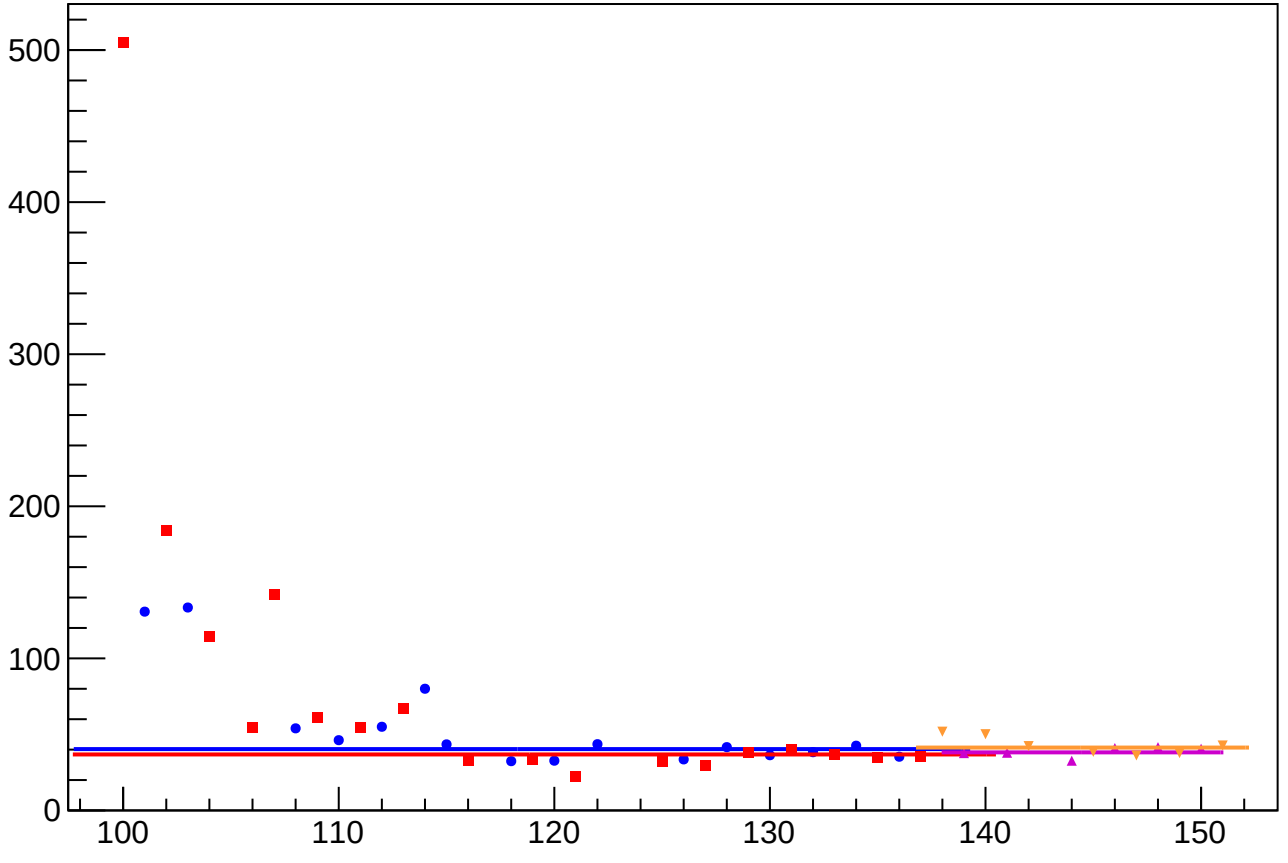
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.012 χ^2/NDF:22.9/21

Out: 0.007+/-0.013 χ^2/NDF:14.6/24

All: 0.005+/-0.009 χ^2/NDF: 37.5/46

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: 41.353+/-0.014 χ^2/NDF:152196.1/6

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.194+/-0.013 χ^2/NDF:62846.9/5

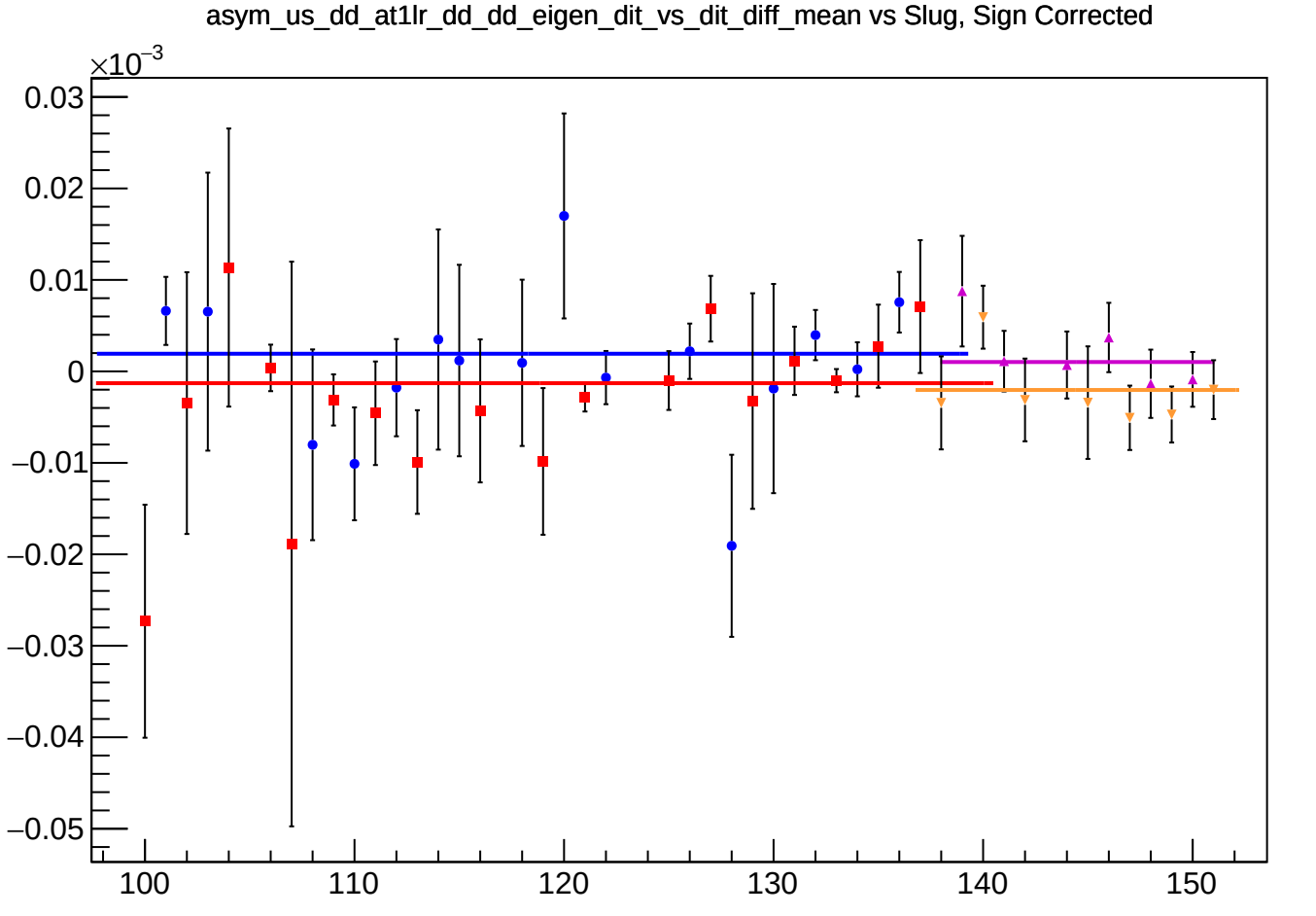
Left: 39.670+/-0.009 χ^2/NDF: 243809.8/12

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.330+/-0.009 χ^2/NDF:1488100.8/21

Out: 38.767+/-0.009 χ^2/NDF:2052662.1/24

All: 39.053+/-0.006 χ^2/NDF: 3542787.9/46


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
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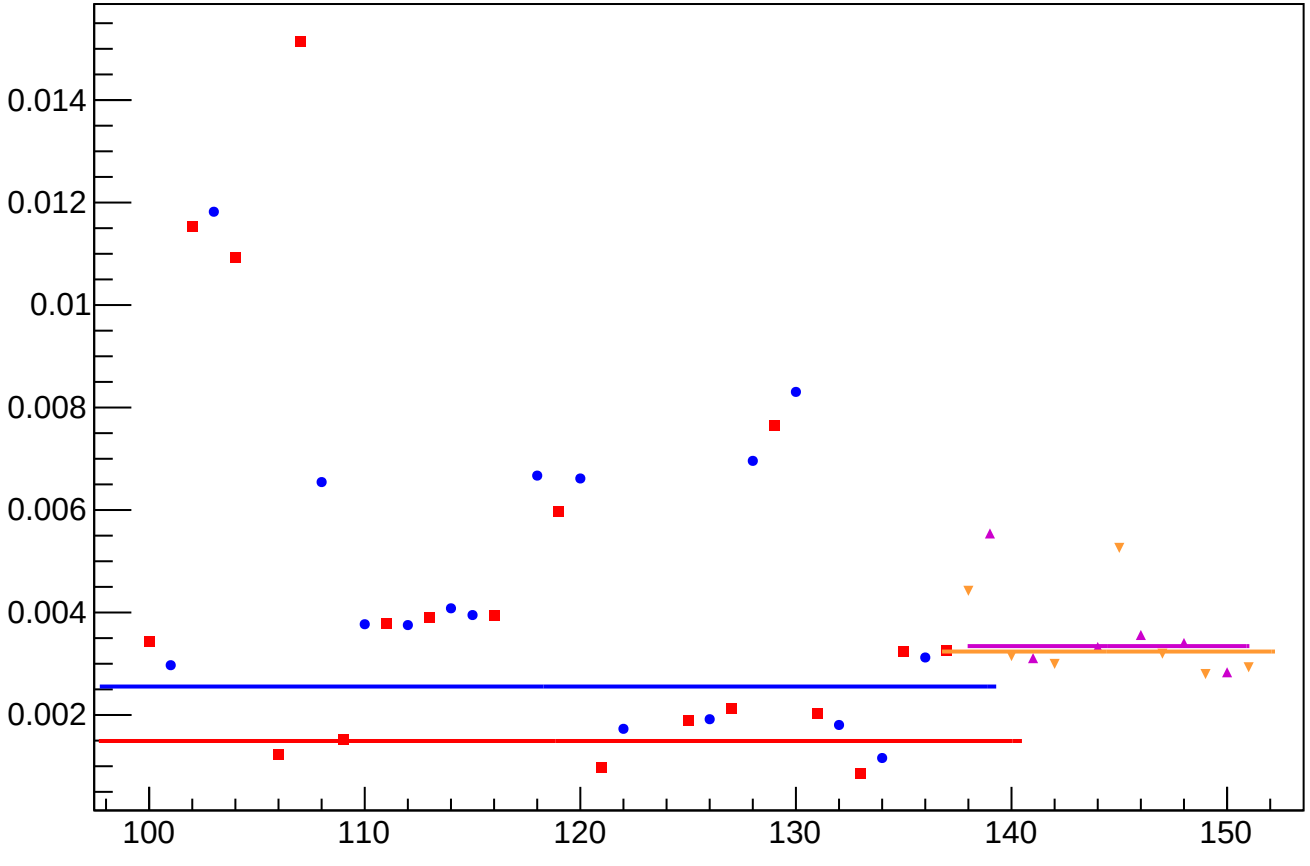
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:7.0/6
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:3.0/5
Left: -0.000+/-0.000 χ²/NDF: 12.2/12
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:21.1/21
Out: -0.000+/-0.000 χ²/NDF:26.1/24
All: -0.000+/-0.000 χ²/NDF: 54.5/46

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:391485.4/6

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.003+/-0.000 χ^2/NDF:339802.3/5

Left: 0.003+/-0.000 χ^2/NDF: 736502.4/12

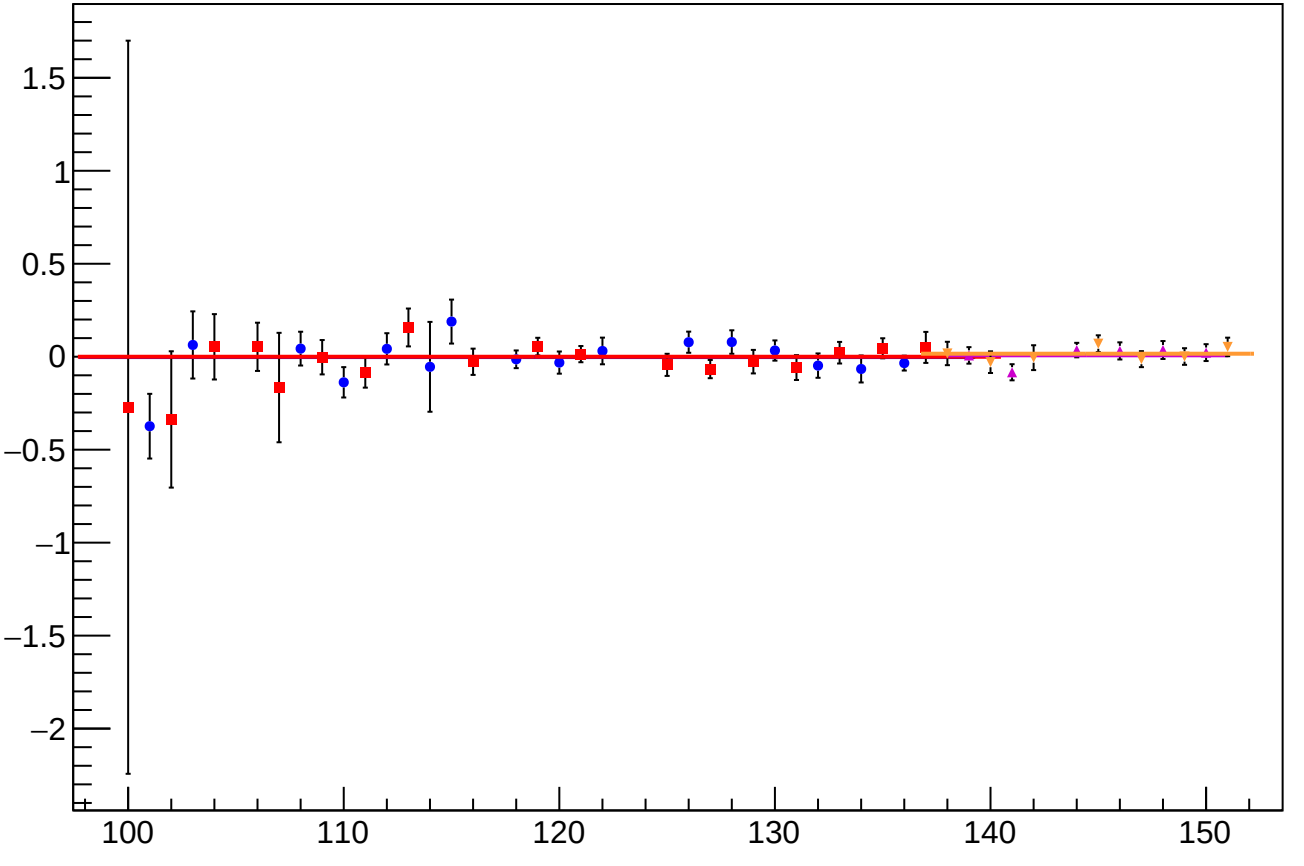
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4473167.3/21

Out: 0.002+/-0.000 χ^2/NDF:8263654.8/24

All: 0.002+/-0.000 χ^2/NDF: 14247684.4/46

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: 0.016+/-0.019 χ^2/NDF:3.2/6

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.018 χ^2/NDF:5.7/5

Left: 0.012+/-0.013 χ^2/NDF: 9.0/12

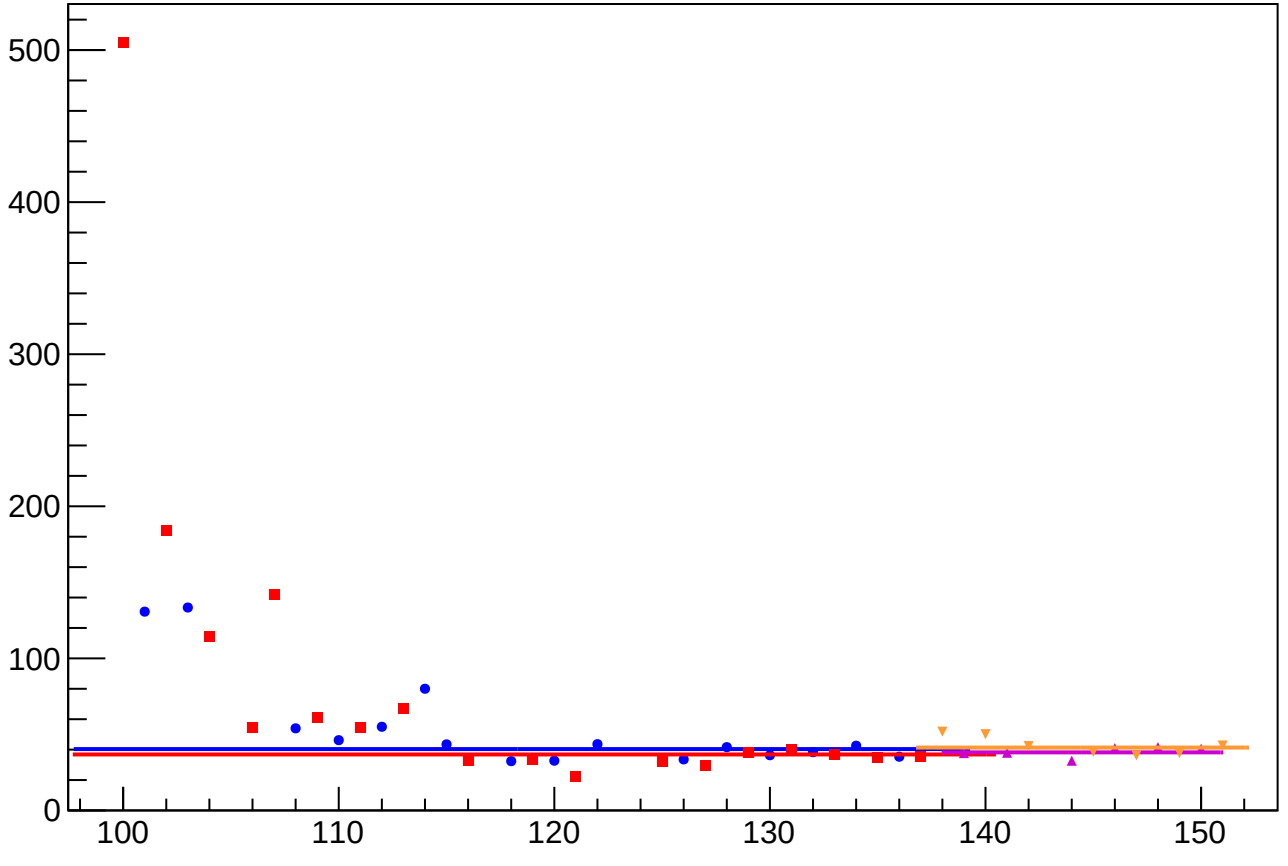
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.012 χ^2/NDF:22.9/21

Out: 0.007+/-0.013 χ^2/NDF:14.6/24

All: 0.005+/-0.009 χ^2/NDF: 37.5/46

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: 41.353+/-0.014 χ^2/NDF:152211.7/6

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.194+/-0.013 χ^2/NDF:62841.3/5

Left: 39.670+/-0.009 χ^2/NDF: 243815.8/12

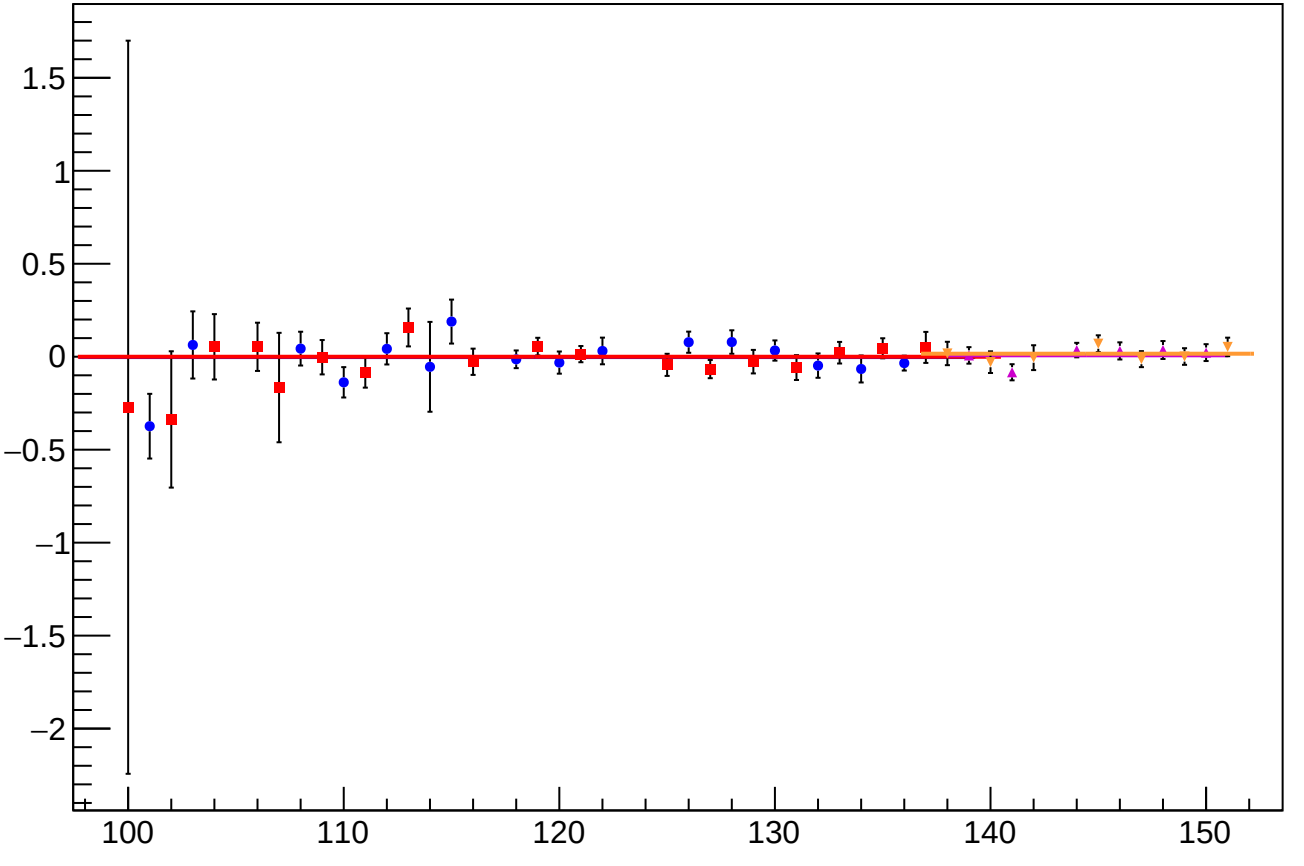
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.330+/-0.009 χ^2/NDF:1488004.6/21

Out: 38.767+/-0.009 χ^2/NDF:2052686.7/24

All: 39.053+/-0.006 χ^2/NDF: 3542722.8/46

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: 0.016+/-0.019 χ^2/NDF:3.2/6

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.018 χ^2/NDF:5.7/5

Left: 0.012+/-0.013 χ^2/NDF: 9.0/12

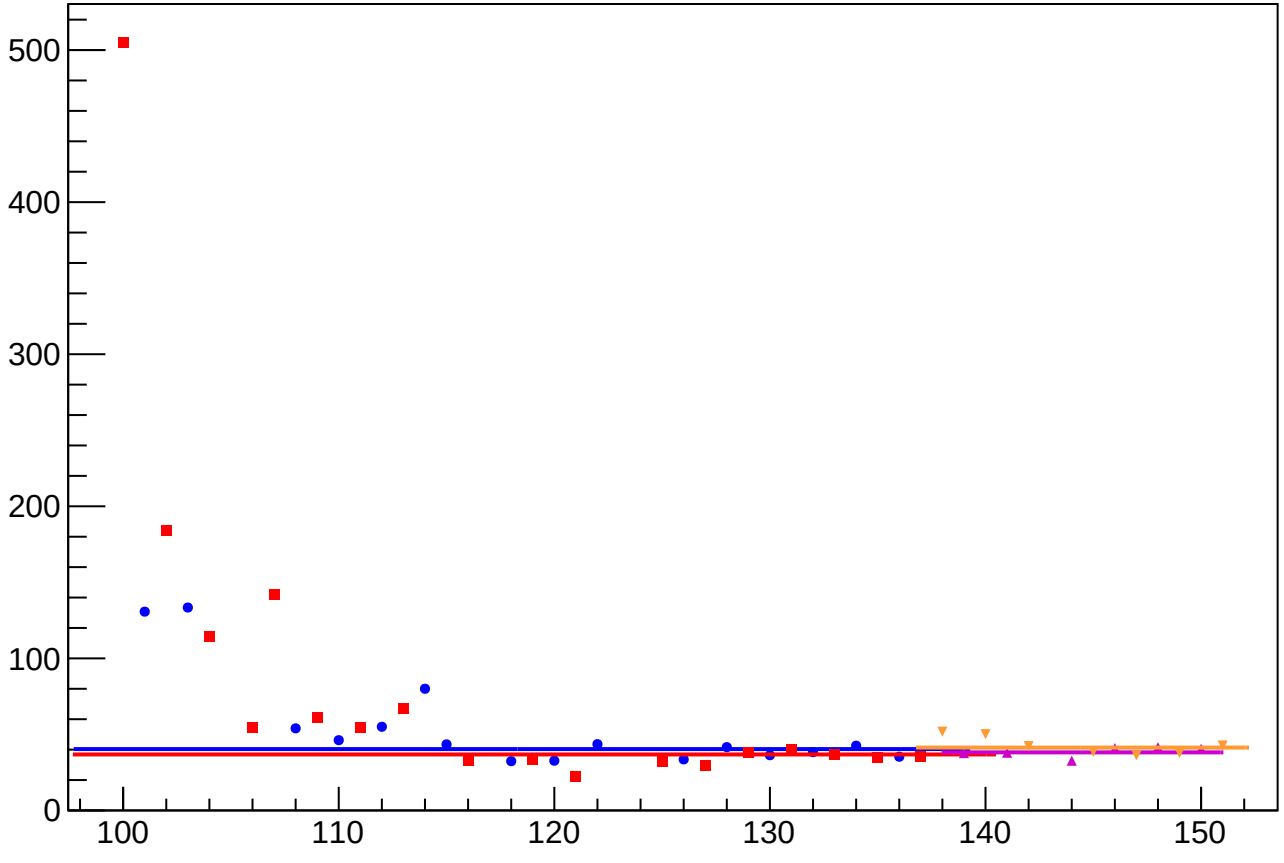
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.012 χ^2/NDF:22.9/21

Out: 0.007+/-0.013 χ^2/NDF:14.6/24

All: 0.005+/-0.009 χ^2/NDF: 37.5/46

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.353+/-0.014 χ^2/NDF:152211.7/6

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.194+/-0.013 χ^2/NDF:62841.3/5

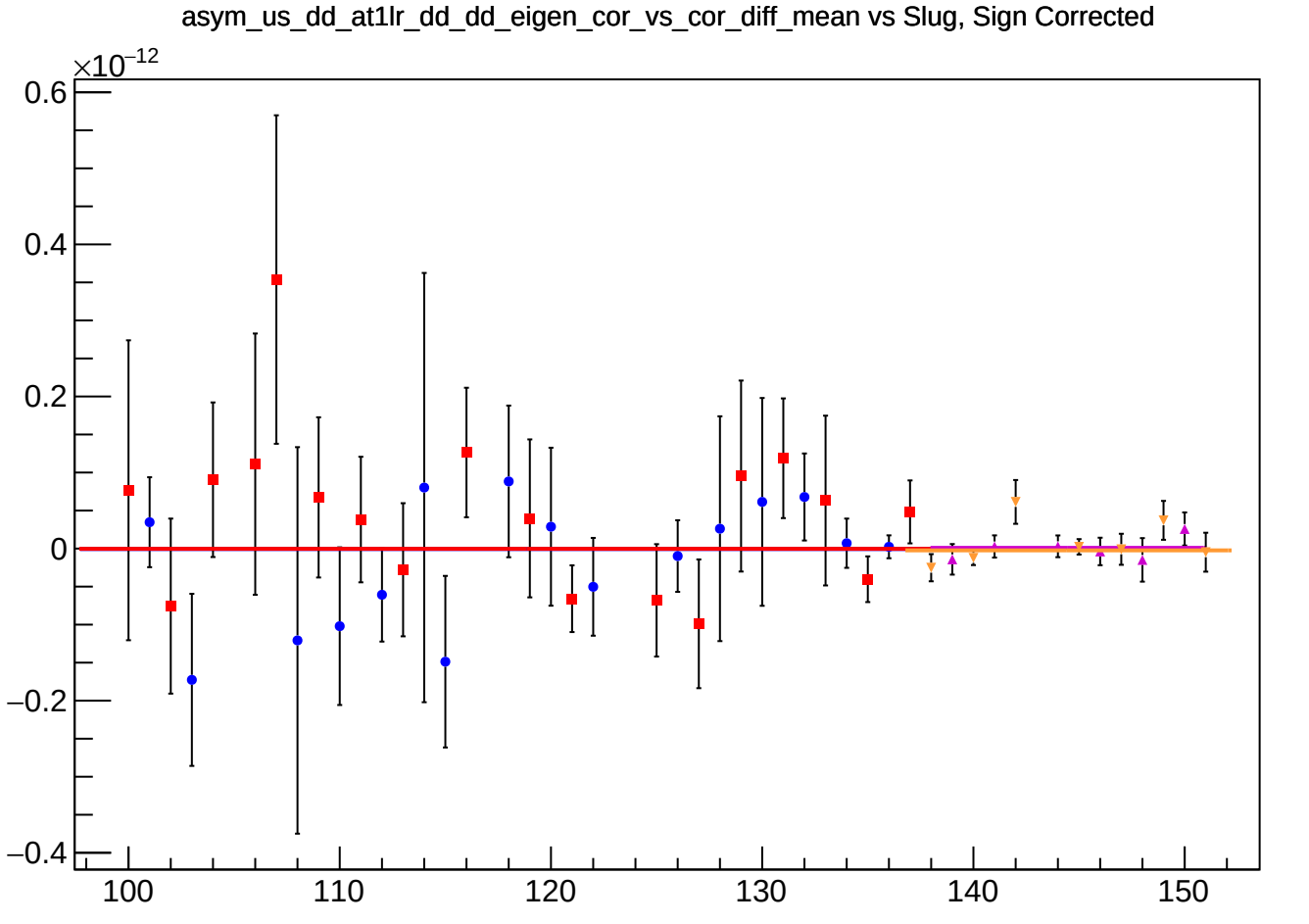
Left: 39.670+/-0.009 χ^2/NDF: 243815.8/12

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.330+/-0.009 χ^2/NDF:1488004.6/21

Out: 38.767+/-0.009 χ^2/NDF:2052686.7/24

All: 39.053+/-0.006 χ^2/NDF: 3542722.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/6

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:2.3/5

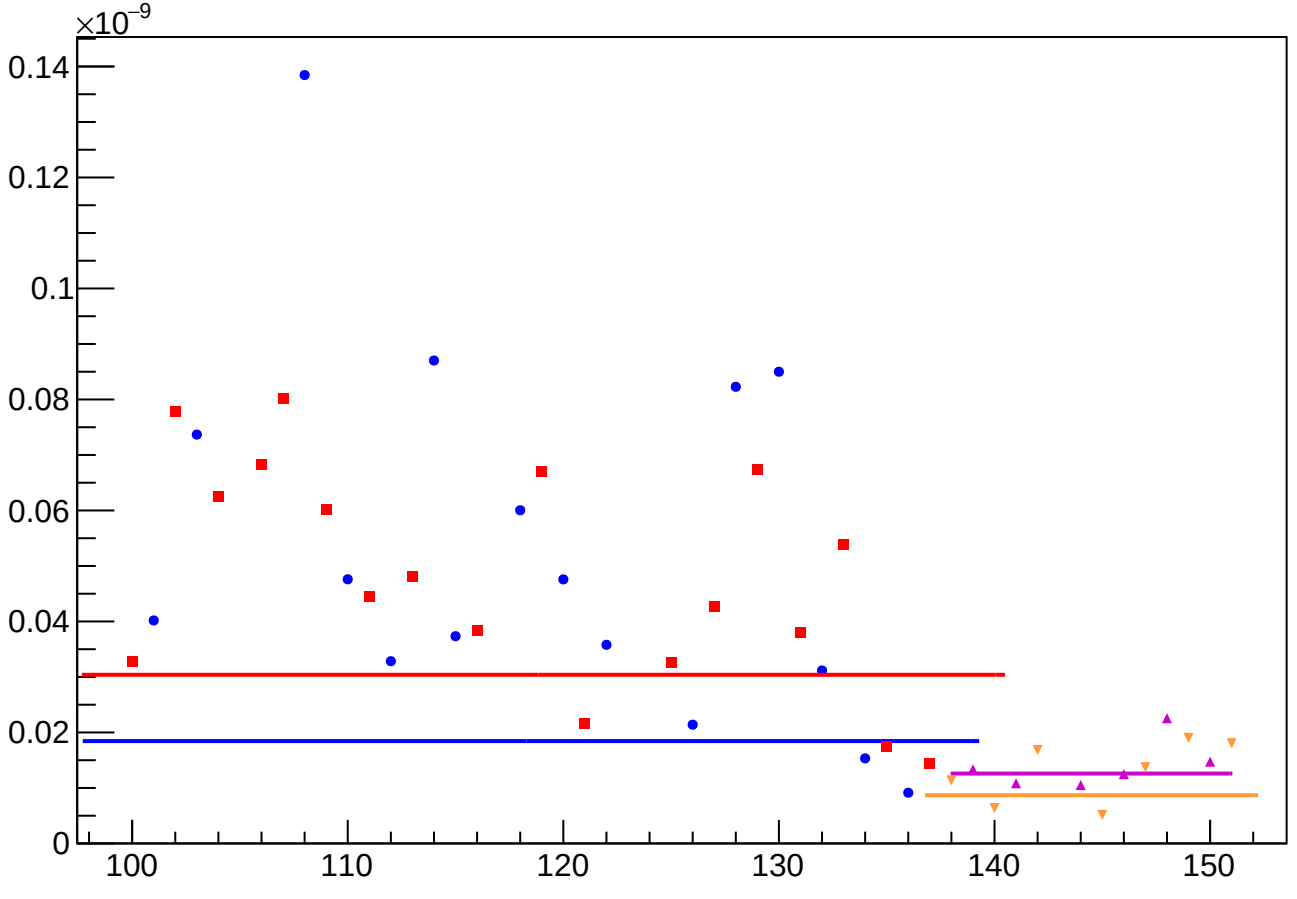
Left: -0.000+/-0.000 χ^2/NDF: 12.6/12

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: 0.000+/-0.000 χ^2/NDF:12.2/21

Out: -0.000+/-0.000 χ^2/NDF:28.6/24

All: -0.000+/-0.000 χ^2/NDF: 40.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1287009.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:335464.6/5

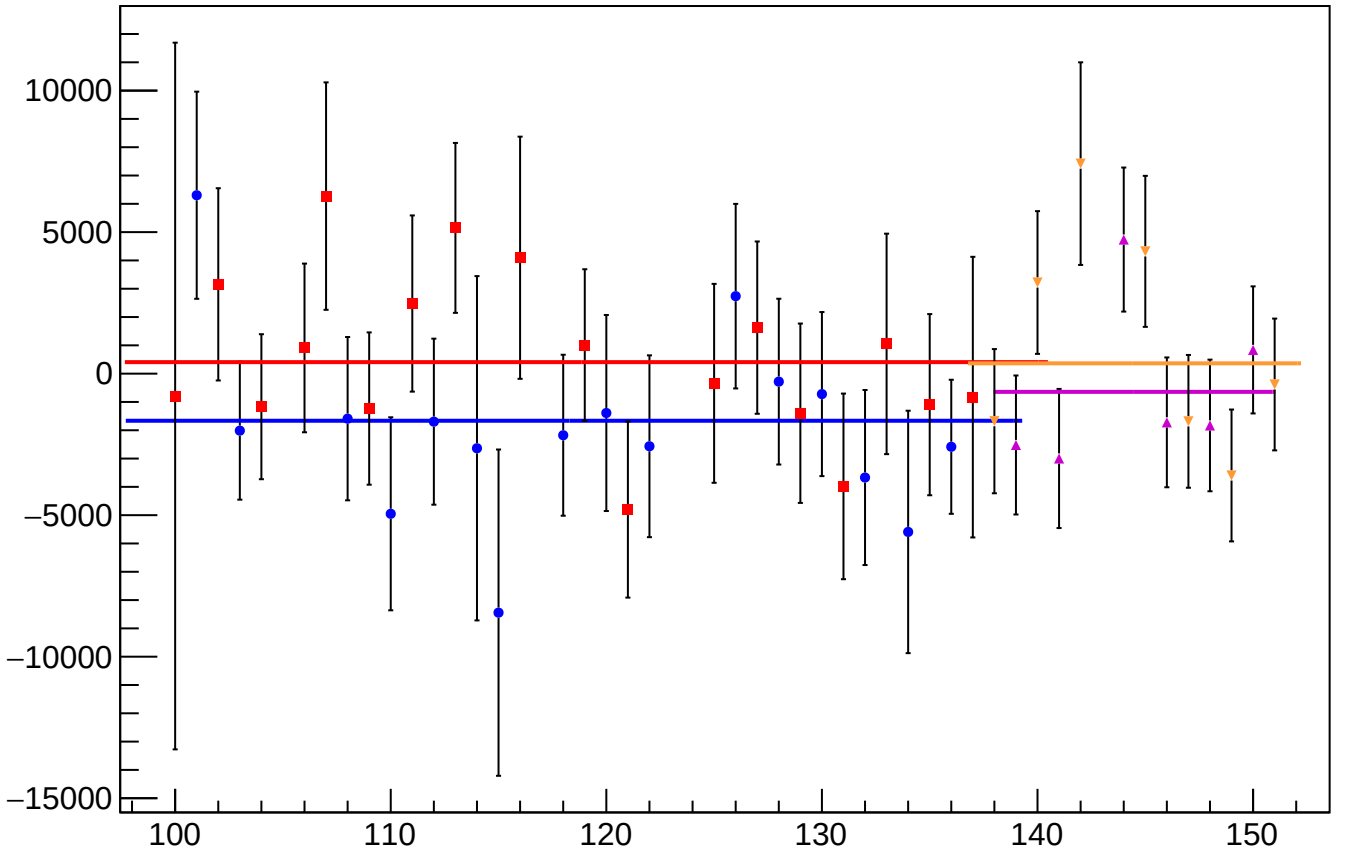
Left: 0.000+/-0.000 χ^2/NDF: 1974061.0/12

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4722697.8/21

Out: 0.000+/-0.000 χ^2/NDF:6776921.0/24

All: 0.000+/-0.000 χ^2/NDF: 11814458.3/46



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 364.849+/-962.045 χ^2/NDF:11.8/6

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -643.561+/-971.543 χ^2/NDF:6.9/5

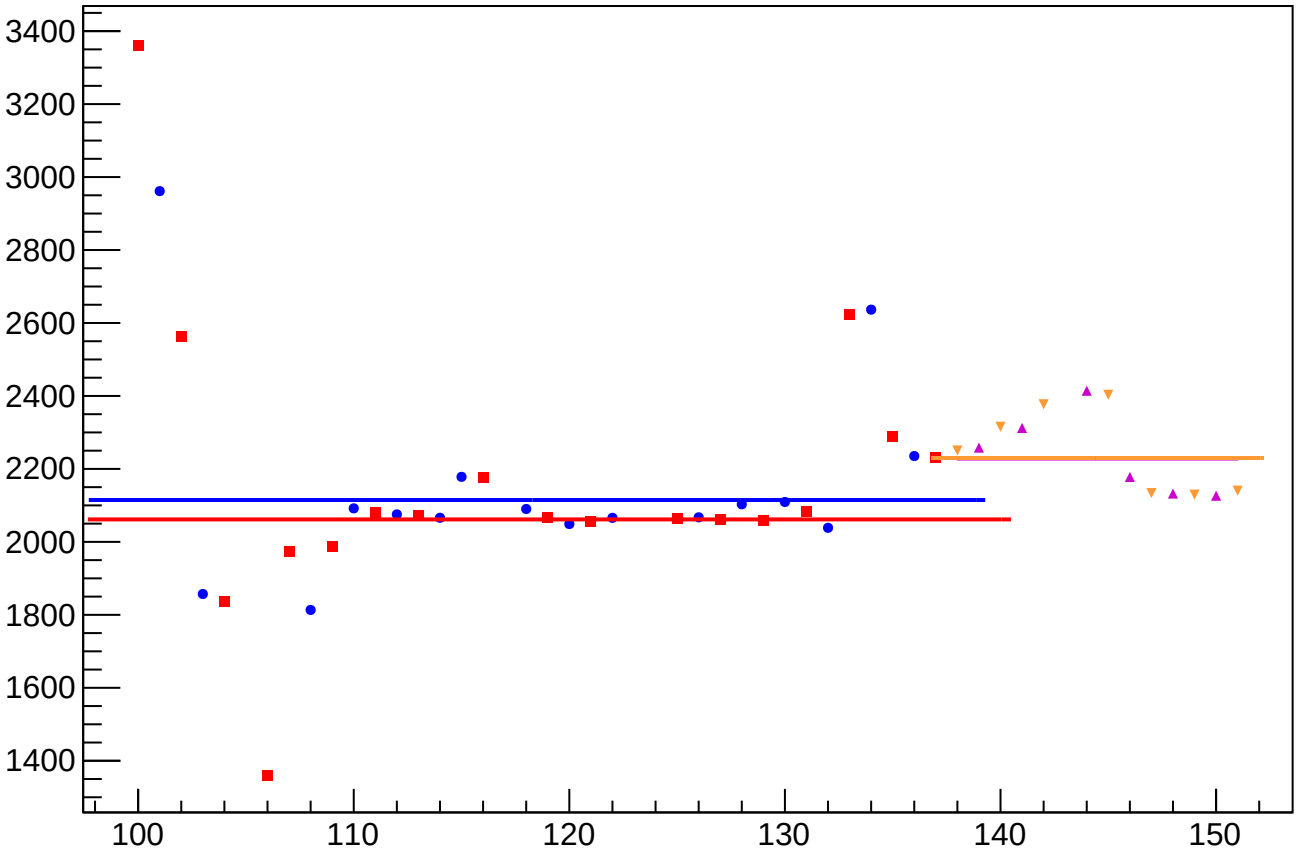
Left: -134.402+/-683.602 χ^2/NDF: 19.2/12

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1256.686+/-613.947 χ^2/NDF:18.3/21

Out: 390.263+/-604.546 χ^2/NDF:24.5/24

All: -420.505+/-430.764 χ^2/NDF: 46.5/46



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2229.913+/-0.680 χ^2/NDF:24286.3/6

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2228.440+/-0.687 χ^2/NDF:21797.6/5

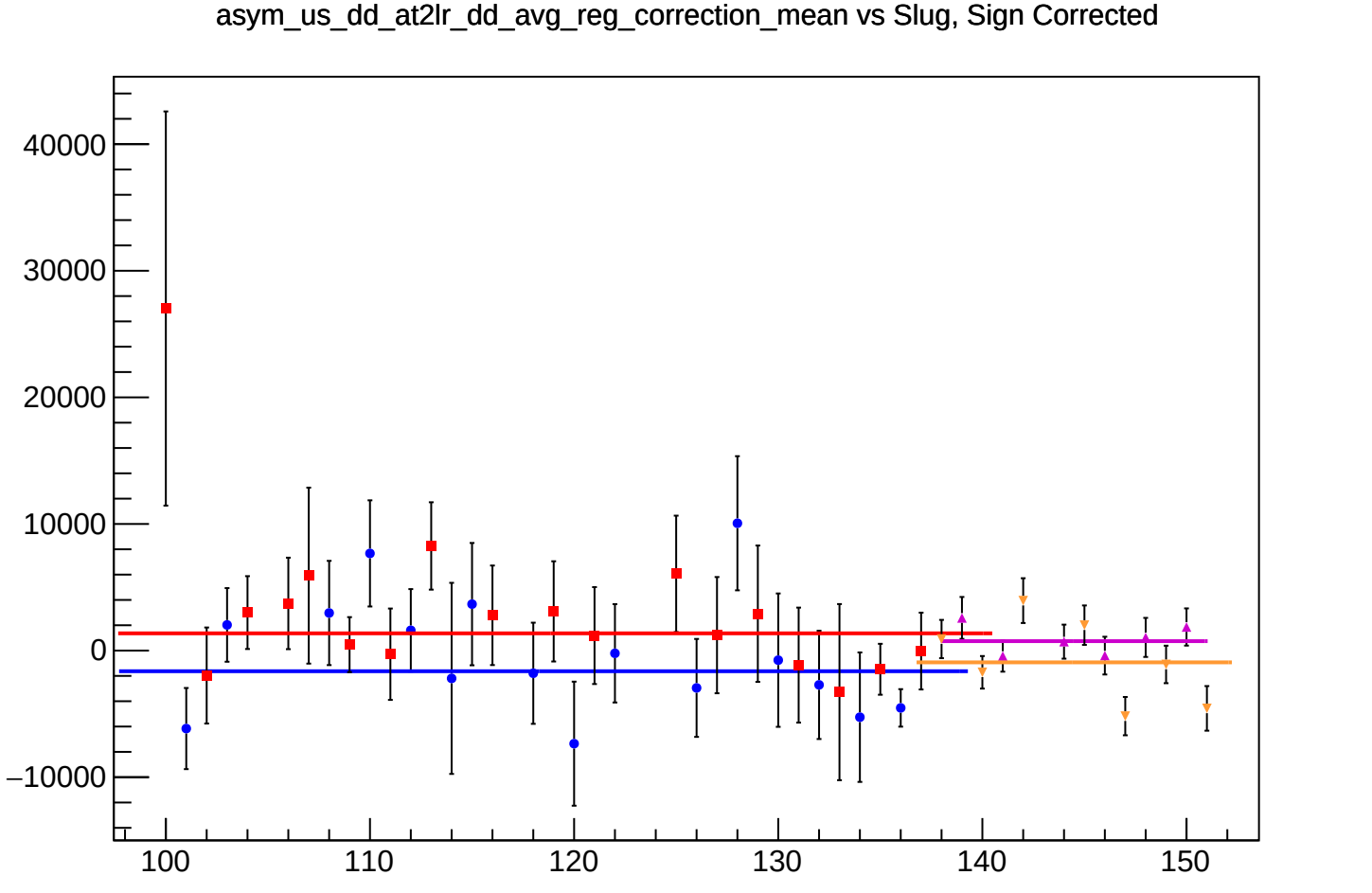
Left: 2229.183+/-0.483 χ^2/NDF: 46086.2/12

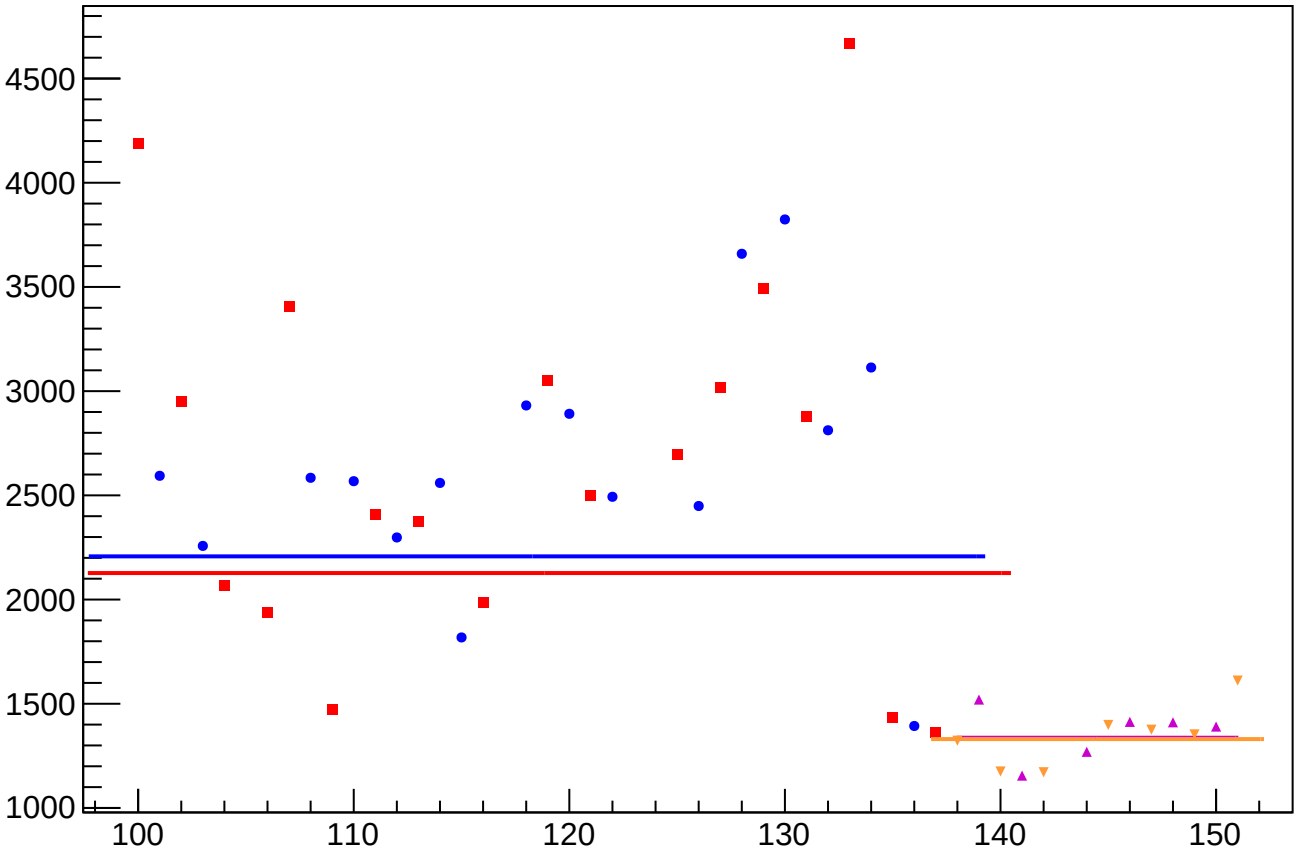
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2160.153+/-0.434 χ^2/NDF:228167.3/21

Out: 2128.039+/-0.427 χ^2/NDF:310534.2/24

All: 2143.848+/-0.305 χ^2/NDF: 541479.9/46


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1630.474+/-862.417 χ²/NDF: 22.9/15
Left Out: -929.985+/-578.395 χ²/NDF:25.2/6
Right Out: 1361.841+/-840.417 χ²/NDF: 13.5/17
Left In: 744.890+/-586.217 χ²/NDF:3.3/5
Left: -103.797+/-411.725 χ²/NDF: 32.6/12
Right: -95.664+/-601.892 χ²/NDF: 42.5/33
In: -5.787+/-484.818 χ²/NDF:31.4/21
Out: -193.362+/-476.461 χ²/NDF:43.7/24
All: -101.205+/-339.825 χ²/NDF: 75.1/46



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1330.504+/-0.409 χ^2/NDF:102321.0/6

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1337.009+/-0.415 χ^2/NDF:85442.9/5

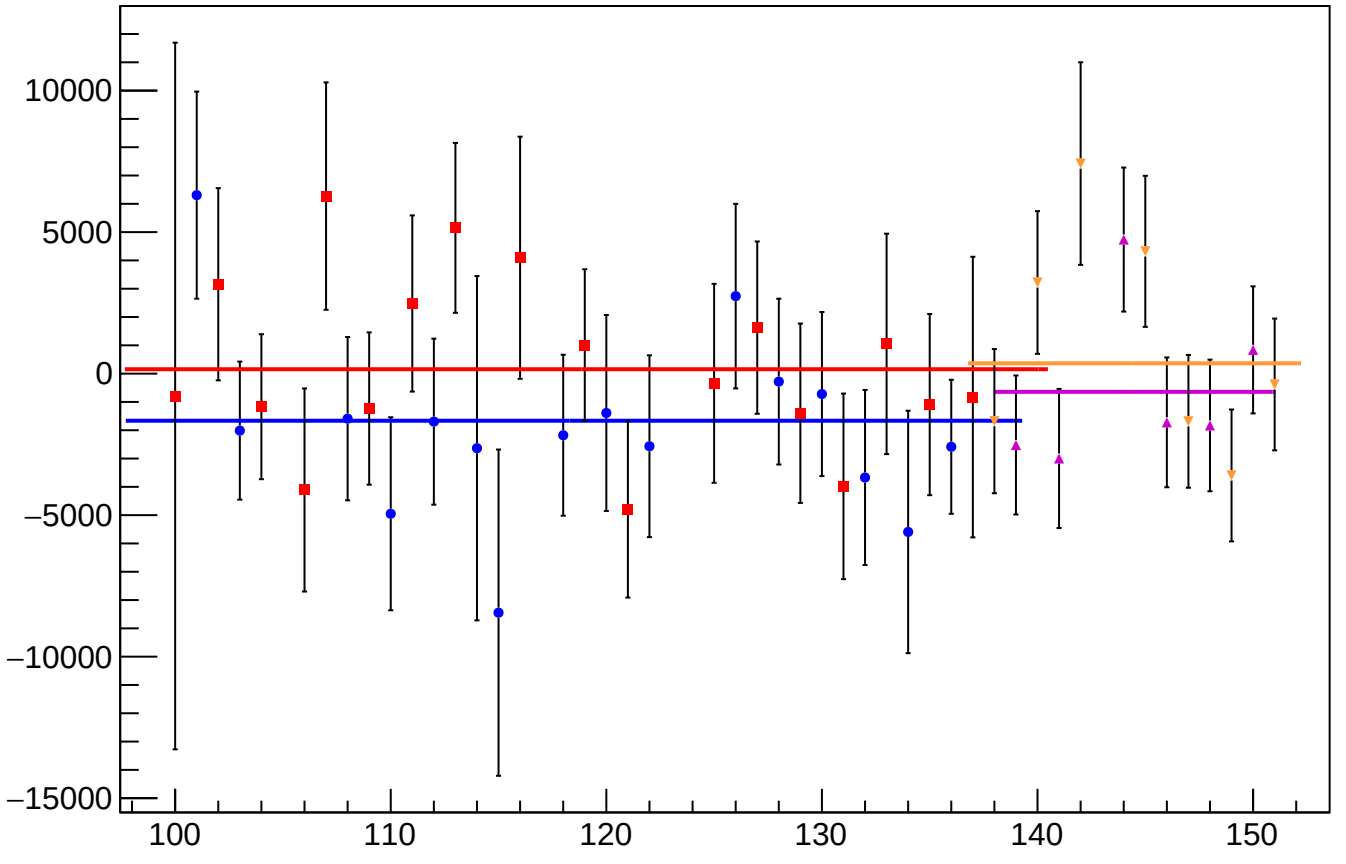
Left: 1333.713+/-0.291 χ^2/NDF: 187888.7/12

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1612.029+/-0.343 χ^2/NDF:2727602.6/21

Out: 1586.581+/-0.337 χ^2/NDF:2780077.7/24

All: 1599.084+/-0.240 χ^2/NDF: 5510483.4/46



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 364.979+/-962.045 χ^2/NDF:11.8/6

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -643.666+/-971.543 χ^2/NDF:6.9/5

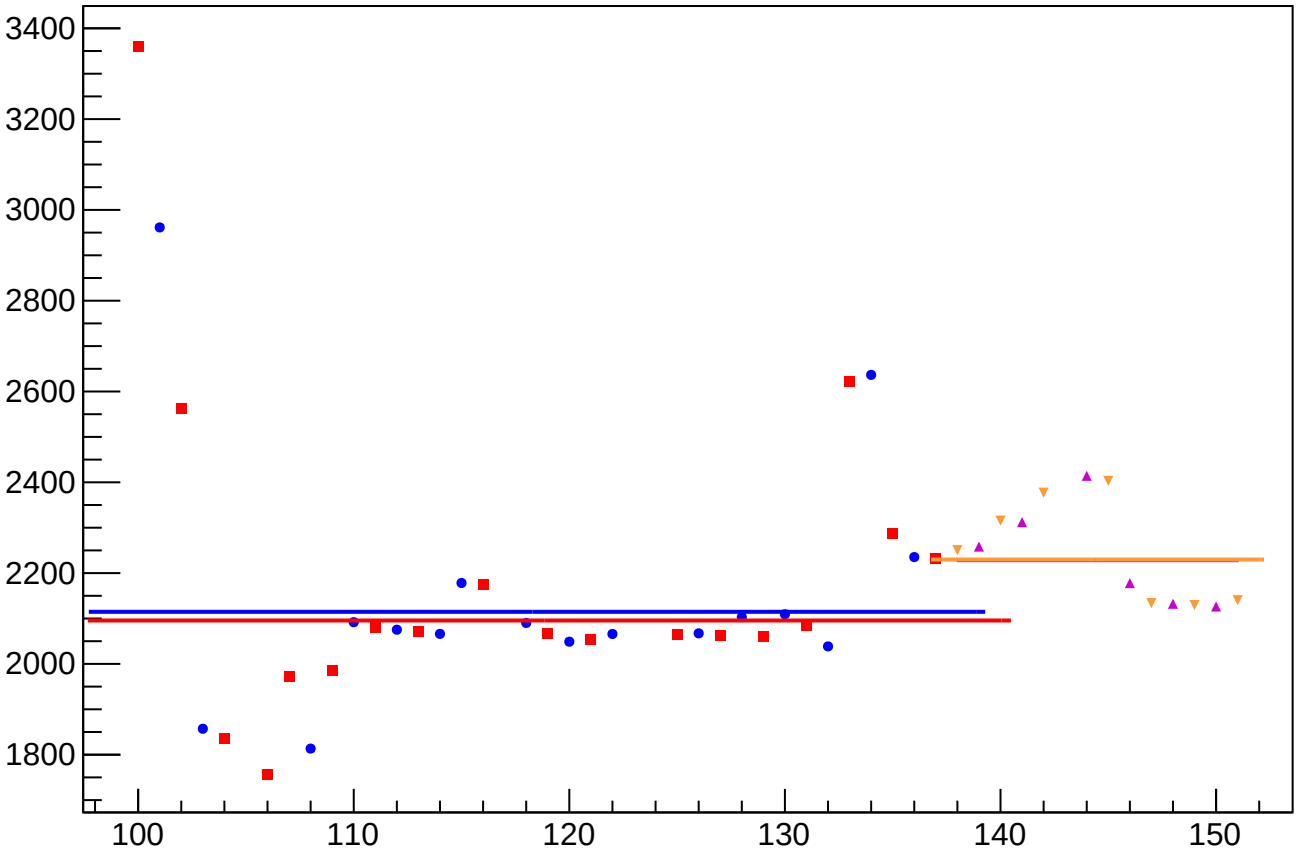
Left: -134.389+/-683.602 χ^2/NDF: 19.2/12

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1256.683+/-613.947 χ^2/NDF:18.3/21

Out: 239.453+/-608.439 χ^2/NDF:26.0/24

All: -501.873+/-432.166 χ^2/NDF: 47.3/46



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2229.913+/-0.680 χ^2/NDF:24286.3/6

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2228.440+/-0.687 χ^2/NDF:21797.6/5

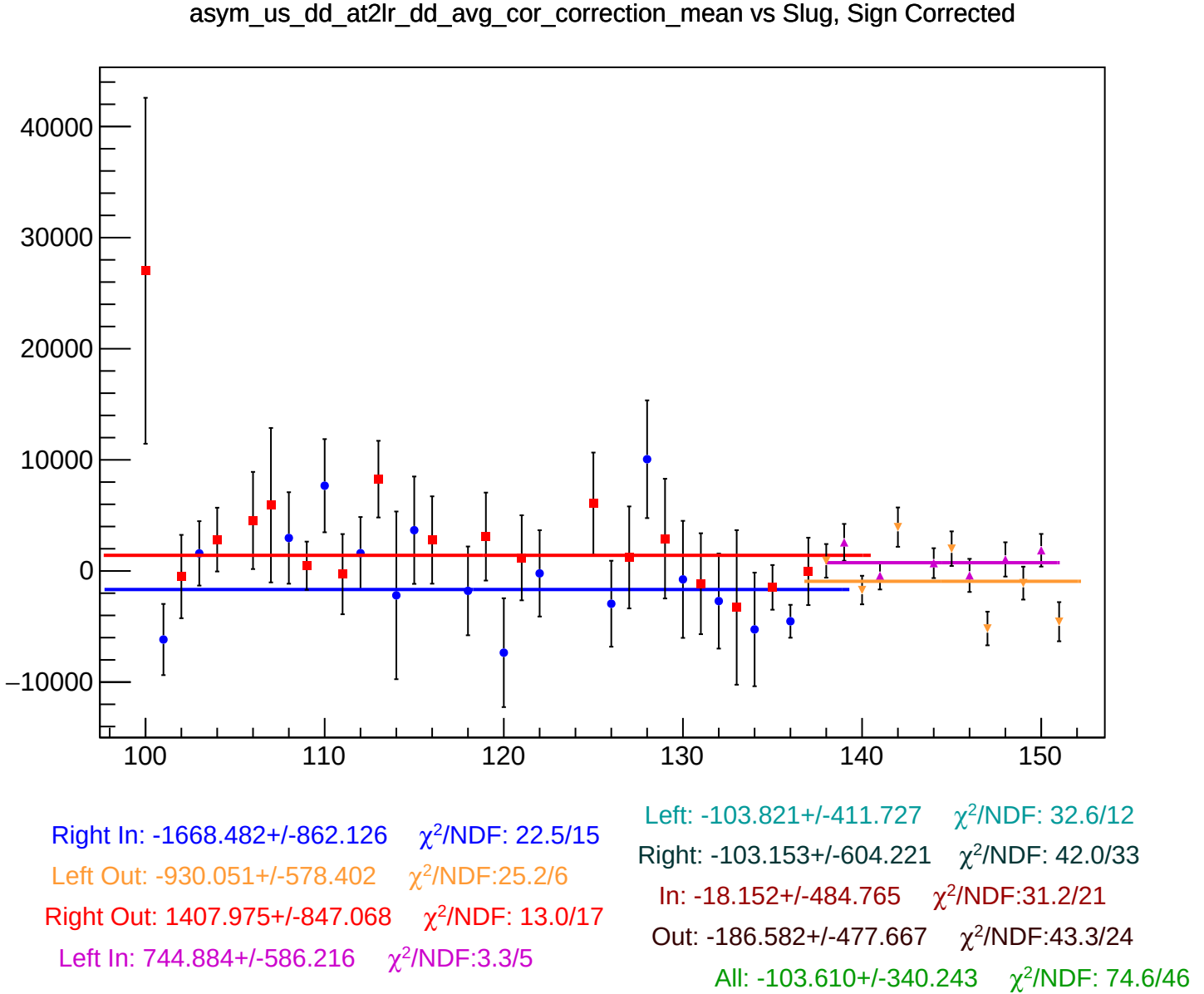
Left: 2229.183+/-0.483 χ^2/NDF: 46086.2/12

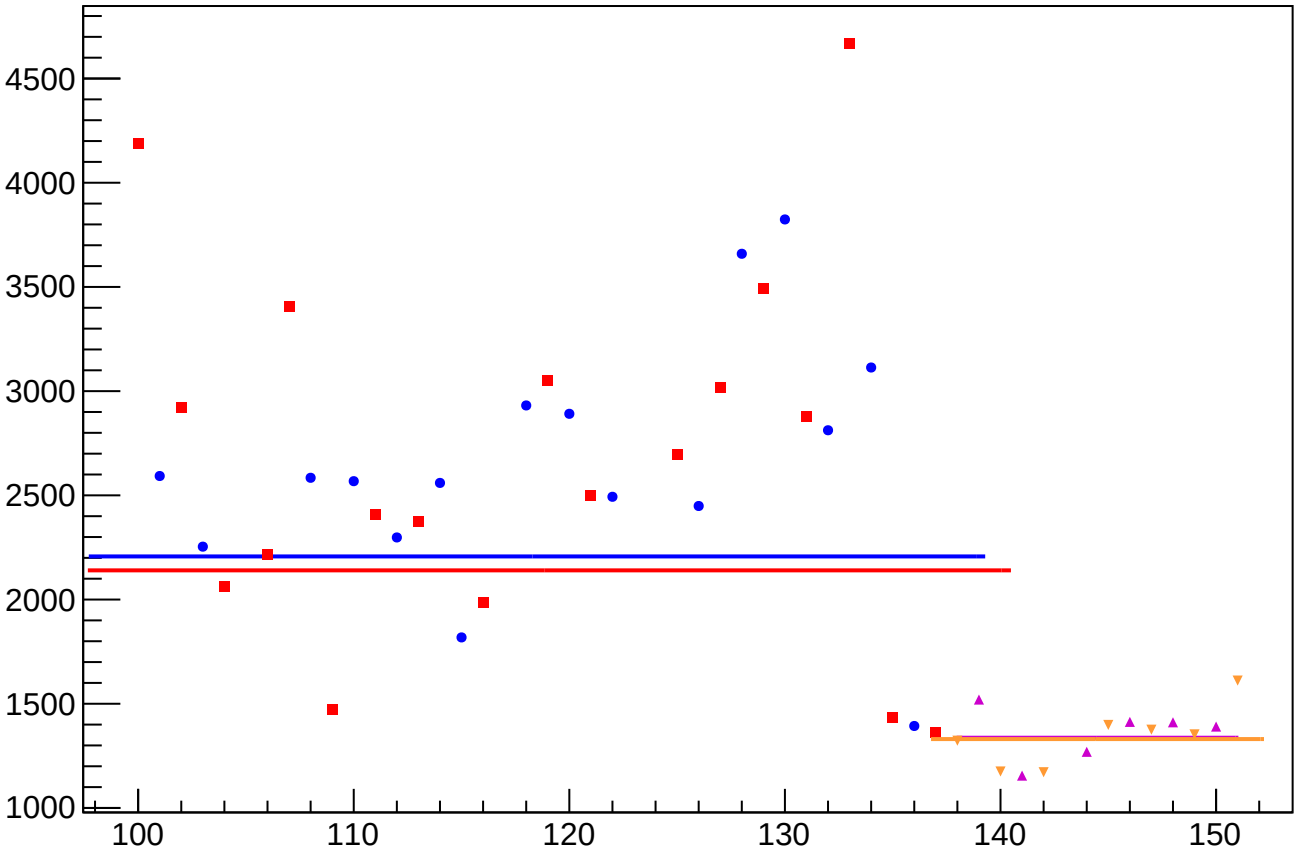
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2160.153+/-0.434 χ^2/NDF:228167.7/21

Out: 2149.321+/-0.430 χ^2/NDF:197038.3/24

All: 2154.688+/-0.306 χ^2/NDF: 425520.1/46


asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -930.051+/-578.402 χ²/NDF:25.2/6
Right Out: 1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: 744.884+/-586.216 χ²/NDF:3.3/5
Left: -103.821+/-411.727 χ²/NDF: 32.6/12
Right: -103.153+/-604.221 χ²/NDF: 42.0/33
In: -18.152+/-484.765 χ²/NDF:31.2/21
Out: -186.582+/-477.667 χ²/NDF:43.3/24
All: -103.610+/-340.243 χ²/NDF: 74.6/46



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1330.523+/-0.409 χ^2/NDF:102291.4/6

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1337.004+/-0.415 χ^2/NDF:85467.7/5

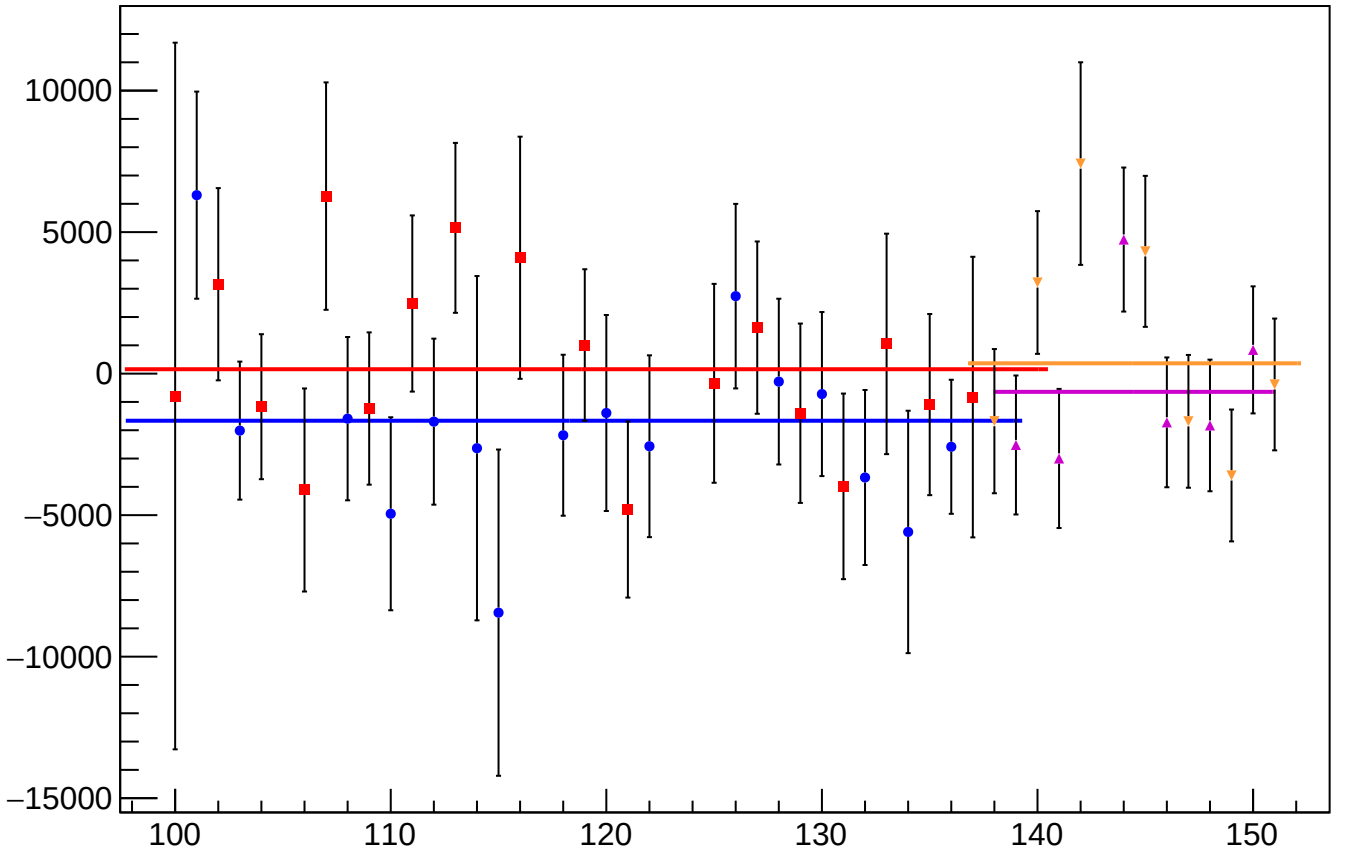
Left: 1333.720+/-0.291 χ^2/NDF: 187883.0/12

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1612.045+/-0.343 χ^2/NDF:2726971.1/21

Out: 1587.948+/-0.338 χ^2/NDF:2796483.0/24

All: 1599.819+/-0.241 χ^2/NDF: 5525961.7/46



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 364.979+/-962.045 χ^2/NDF:11.8/6

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -643.666+/-971.543 χ^2/NDF:6.9/5

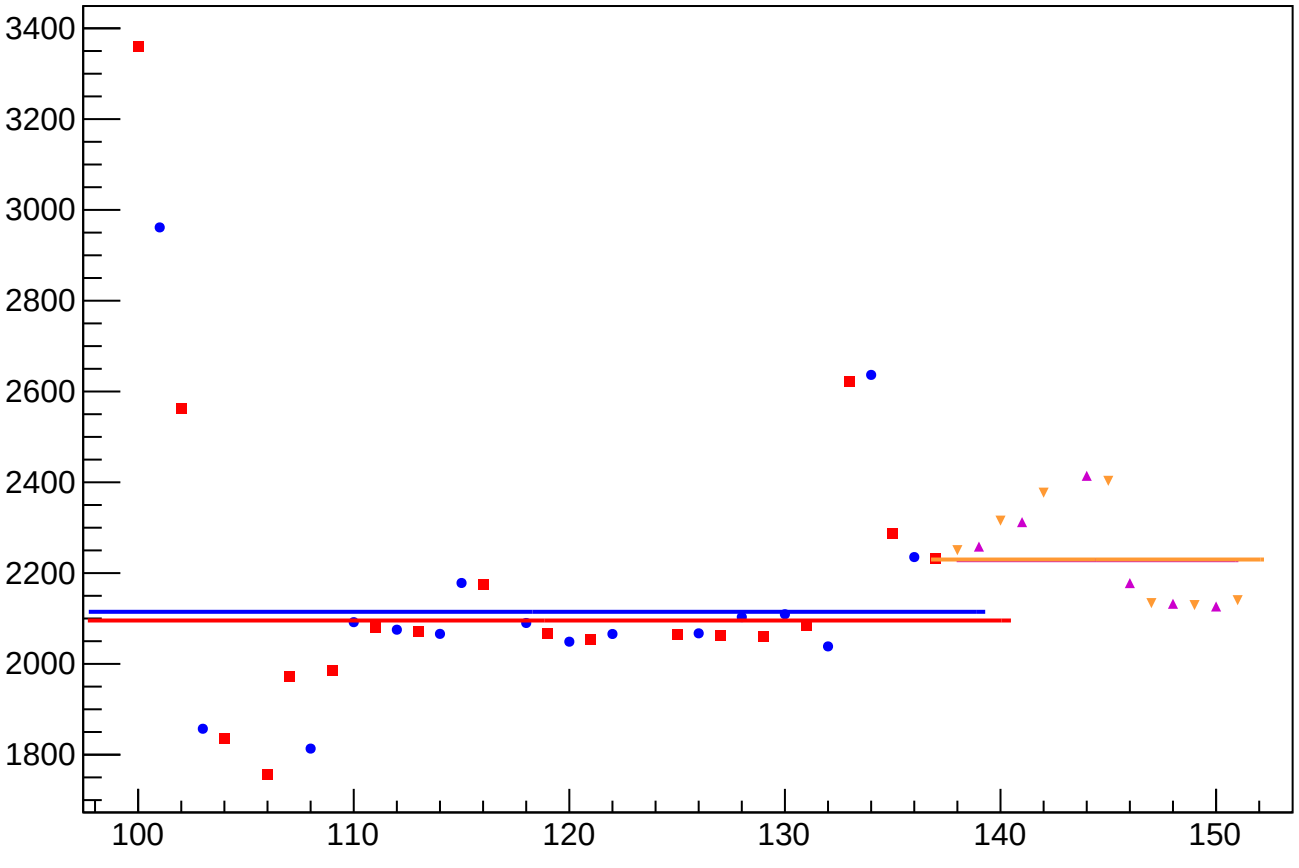
Left: -134.389+/-683.602 χ^2/NDF: 19.2/12

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1256.683+/-613.947 χ^2/NDF:18.3/21

Out: 239.453+/-608.439 χ^2/NDF:26.0/24

All: -501.873+/-432.166 χ^2/NDF: 47.3/46



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2229.913+/-0.680 χ^2/NDF:24286.3/6

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2228.440+/-0.687 χ^2/NDF:21797.6/5

Left: 2229.183+/-0.483 χ^2/NDF: 46086.2/12

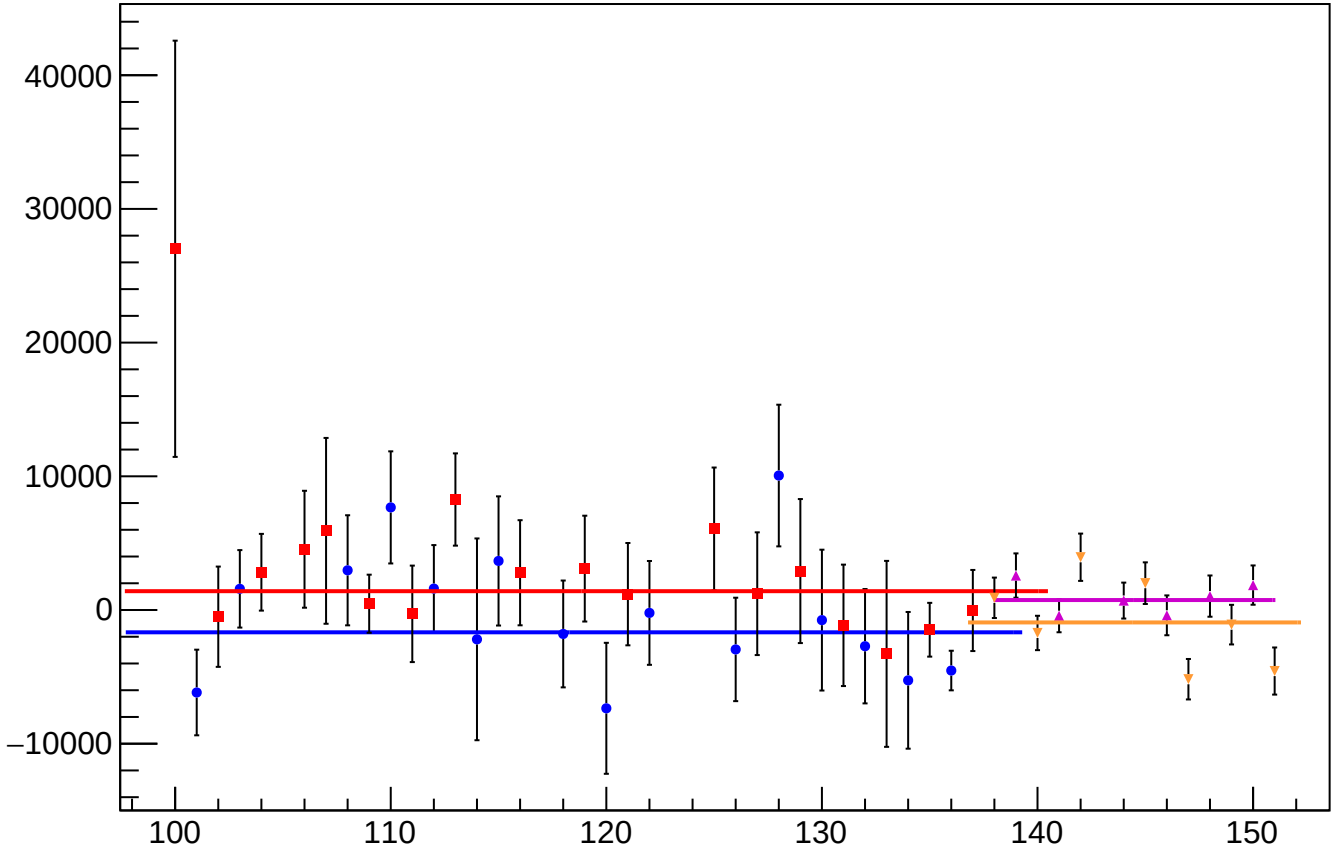
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2160.153+/-0.434 χ^2/NDF:228167.7/21

Out: 2149.321+/-0.430 χ^2/NDF:197038.3/24

All: 2154.688+/-0.306 χ^2/NDF: 425520.1/46

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -930.051+/-578.402 χ^2/NDF:25.2/6

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 744.884+/-586.216 χ^2/NDF:3.3/5

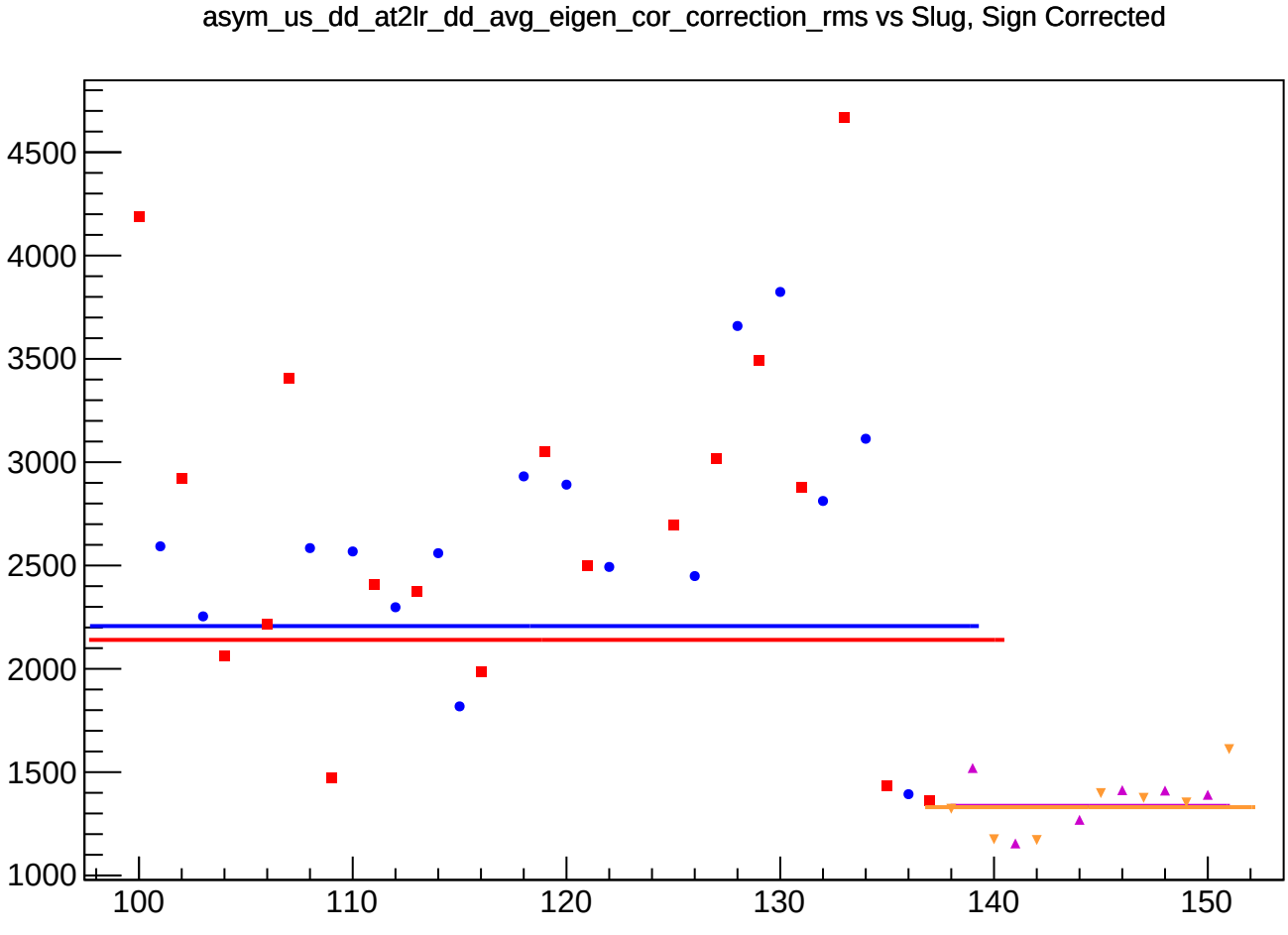
Left: -103.821+/-411.727 χ^2/NDF: 32.6/12

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -18.152+/-484.765 χ^2/NDF:31.2/21

Out: -186.582+/-477.667 χ^2/NDF:43.3/24

All: -103.610+/-340.243 χ^2/NDF: 74.6/46


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
4000
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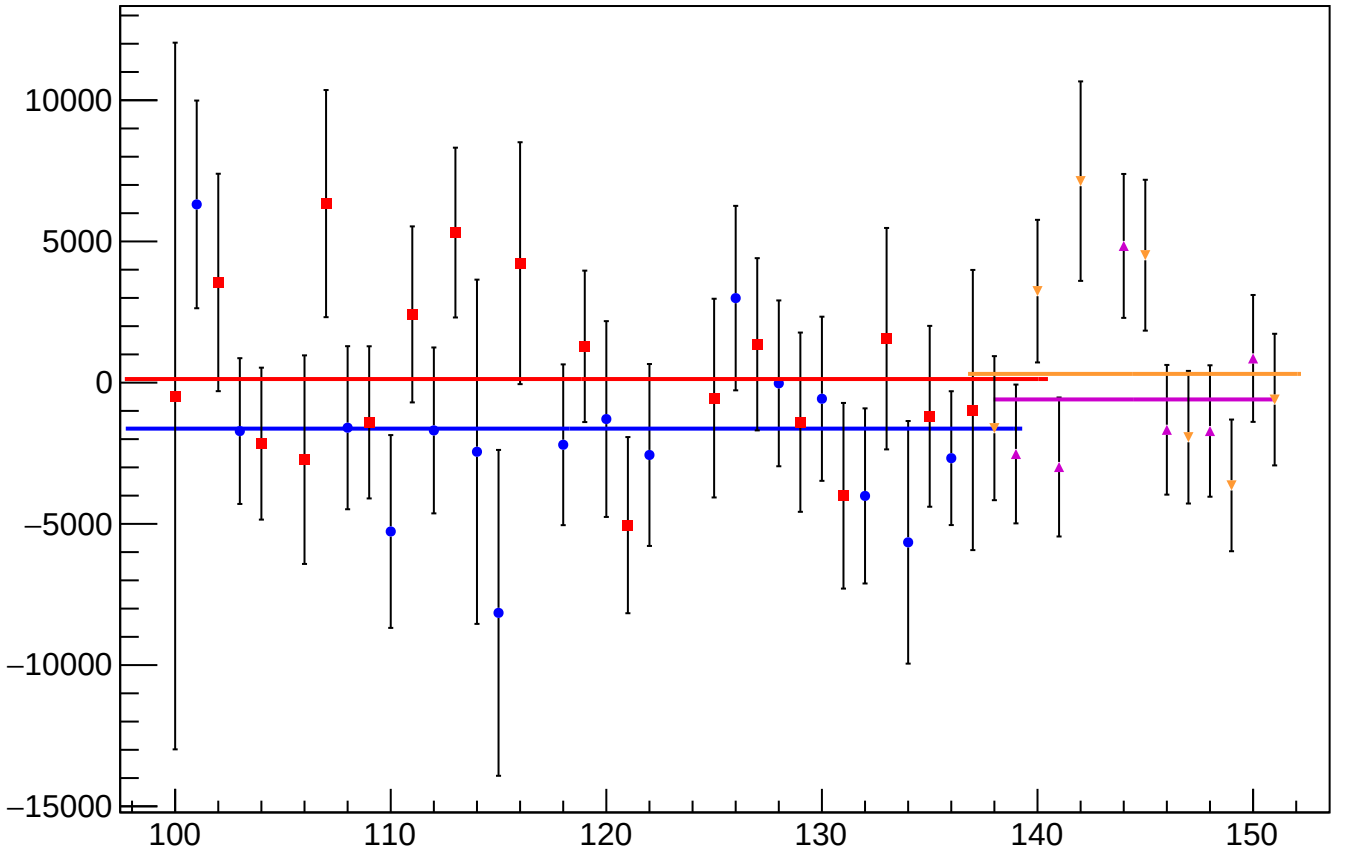
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 2206.918+/-0.610 χ²/NDF: 1249024.4/15
Left Out: 1330.523+/-0.409 χ²/NDF:102291.4/6
Right Out: 2140.060+/-0.599 χ²/NDF: 1448366.8/17
Left In: 1337.004+/-0.415 χ²/NDF:85467.7/5
Left: 1333.720+/-0.291 χ²/NDF: 187883.0/12
Right: 2172.900+/-0.427 χ²/NDF: 2703511.1/33
In: 1612.045+/-0.343 χ²/NDF:2726971.1/21
Out: 1587.948+/-0.338 χ²/NDF:2796483.0/24
All: 1599.819+/-0.241 χ²/NDF: 5525961.7/46



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 310.131+/-961.965 χ^2/NDF:12.1/6

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -594.101+/-972.530 χ^2/NDF:7.0/5

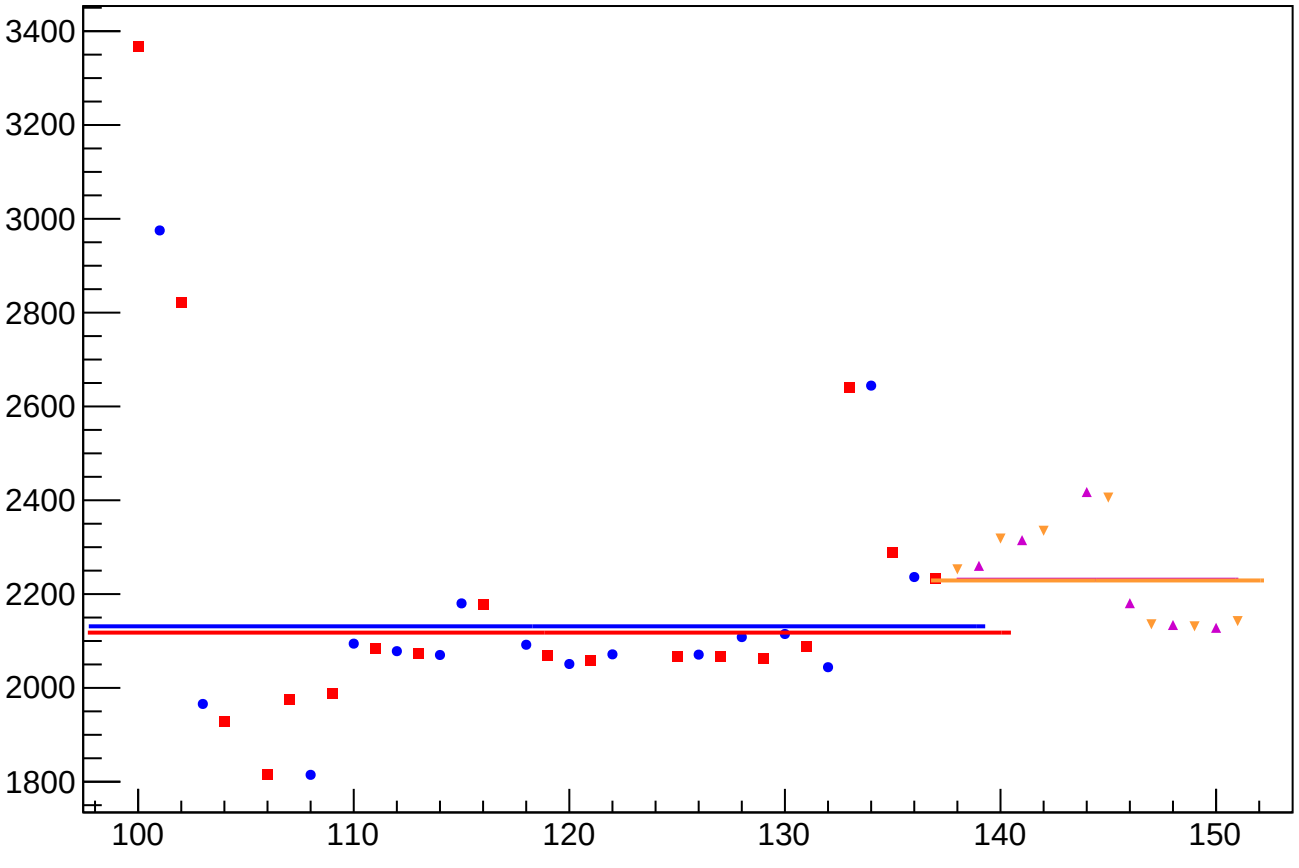
Left: -137.047+/-683.917 χ^2/NDF: 19.5/12

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1211.789+/-616.889 χ^2/NDF:19.0/21

Out: 202.071+/-613.222 χ^2/NDF:26.6/24

All: -500.644+/-434.904 χ^2/NDF: 48.3/46



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2229.059+/-0.680 χ^2/NDF:22686.4/6

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2230.678+/-0.688 χ^2/NDF:21959.2/5

Left: 2229.860+/-0.484 χ^2/NDF: 44648.4/12

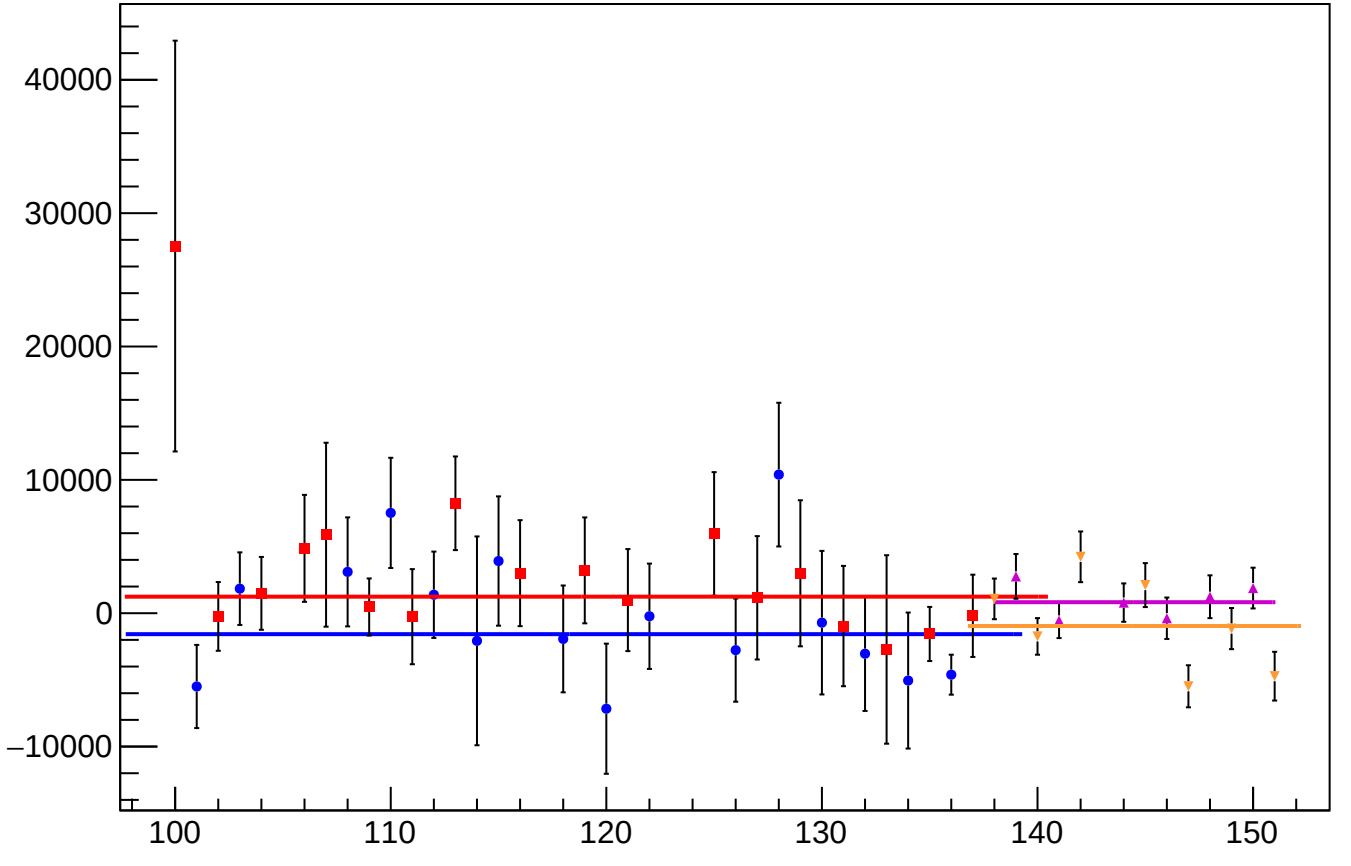
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2171.284+/-0.436 χ^2/NDF:210383.8/21

Out: 2163.052+/-0.434 χ^2/NDF:202171.8/24

All: 2167.143+/-0.308 χ^2/NDF: 412734.8/46

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: -958.916+/-605.492 χ^2/NDF:25.5/6

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 825.984+/-615.115 χ^2/NDF:3.6/5

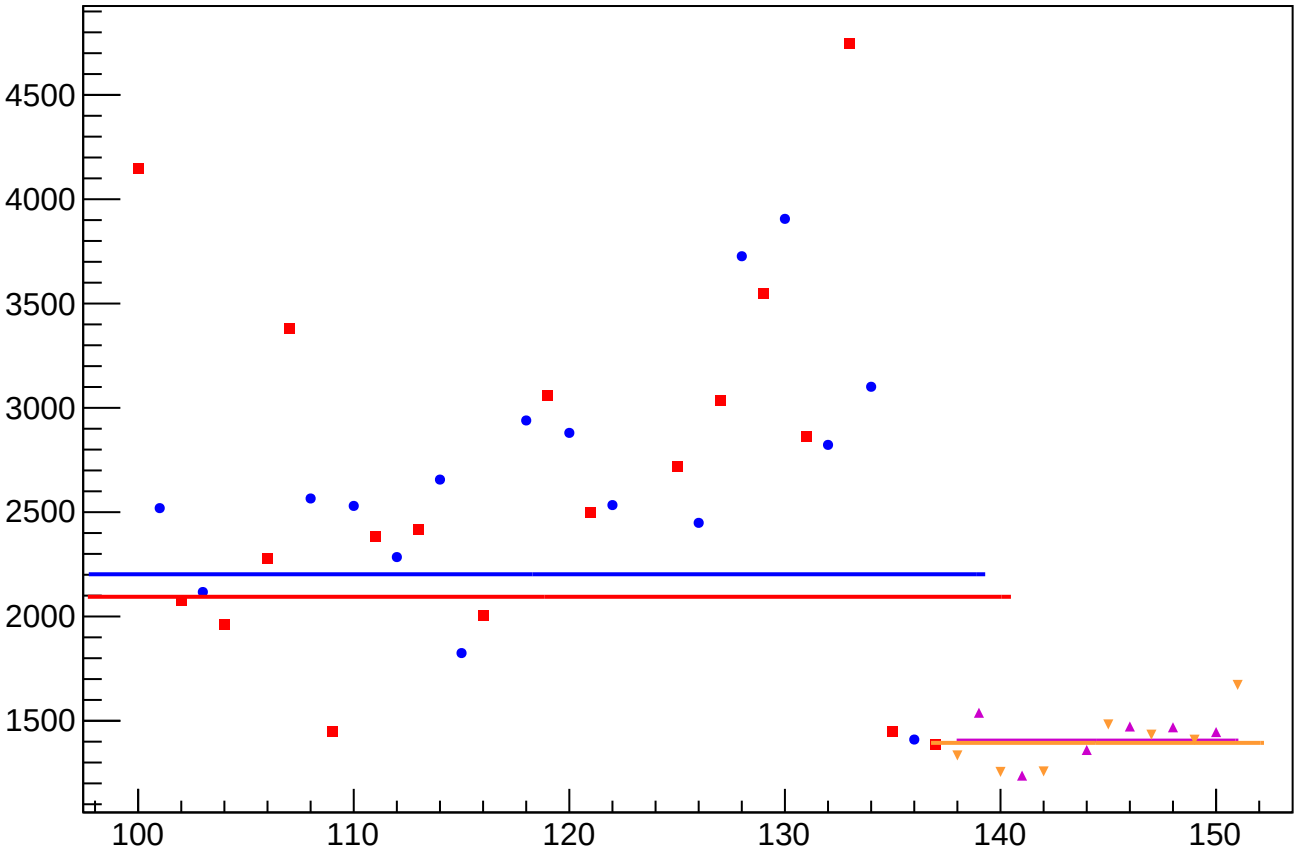
Left: -80.538+/-431.509 χ^2/NDF: 33.3/12

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 14.412+/-500.263 χ^2/NDF:31.3/21

Out: -182.394+/-487.044 χ^2/NDF:43.2/24

All: -86.625+/-348.972 χ^2/NDF: 74.6/46



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1394.233+/-0.428 χ^2/NDF:87413.8/6

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1405.075+/-0.435 χ^2/NDF:55328.7/5

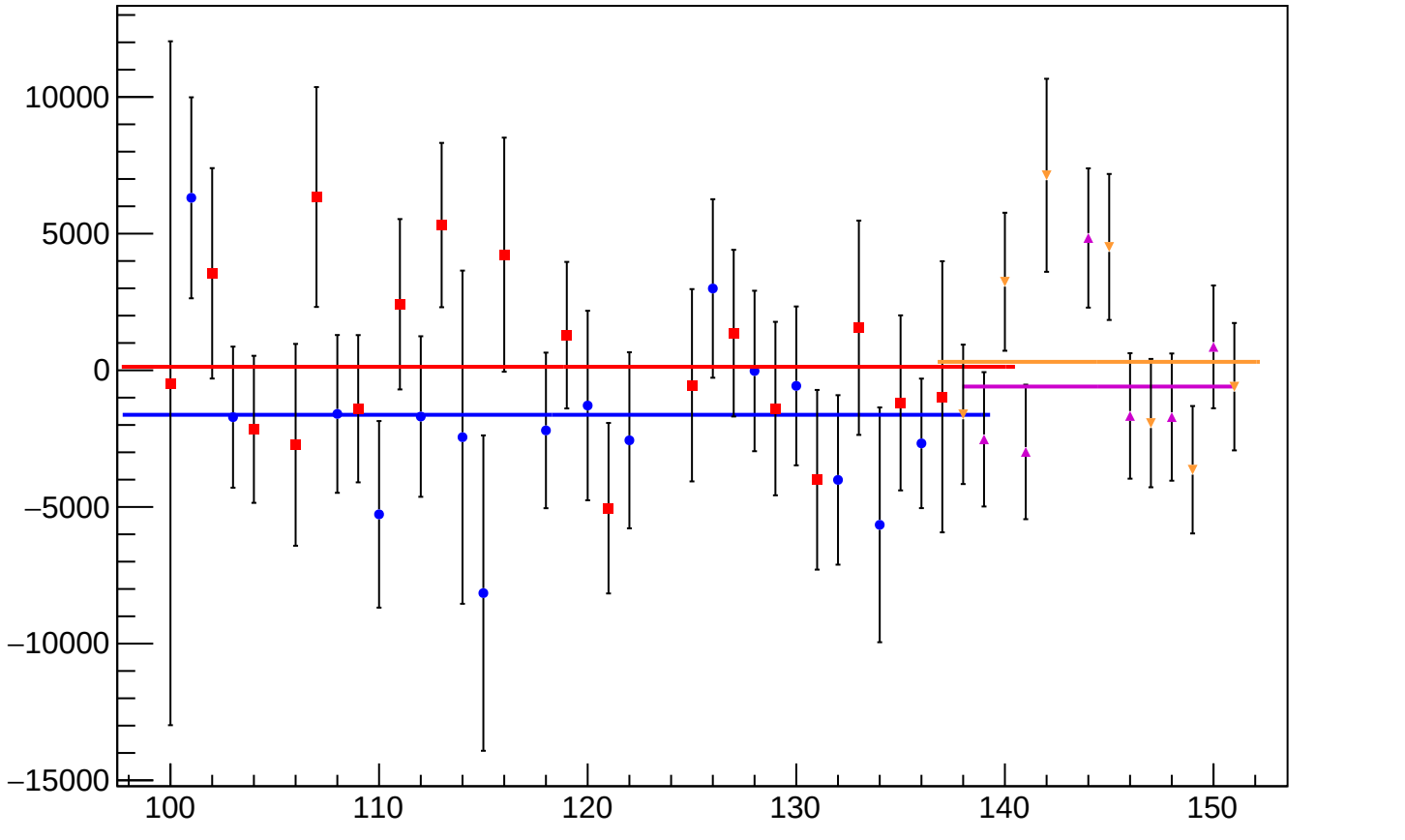
Left: 1399.569+/-0.305 χ^2/NDF: 143058.1/12

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1675.018+/-0.354 χ^2/NDF:2415953.9/21

Out: 1641.392+/-0.344 χ^2/NDF:2405194.0/24

All: 1657.755+/-0.247 χ^2/NDF: 4825787.1/46



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: 310.134+/-961.965 χ^2/NDF:12.1/6

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -594.093+/-972.530 χ^2/NDF:7.0/5

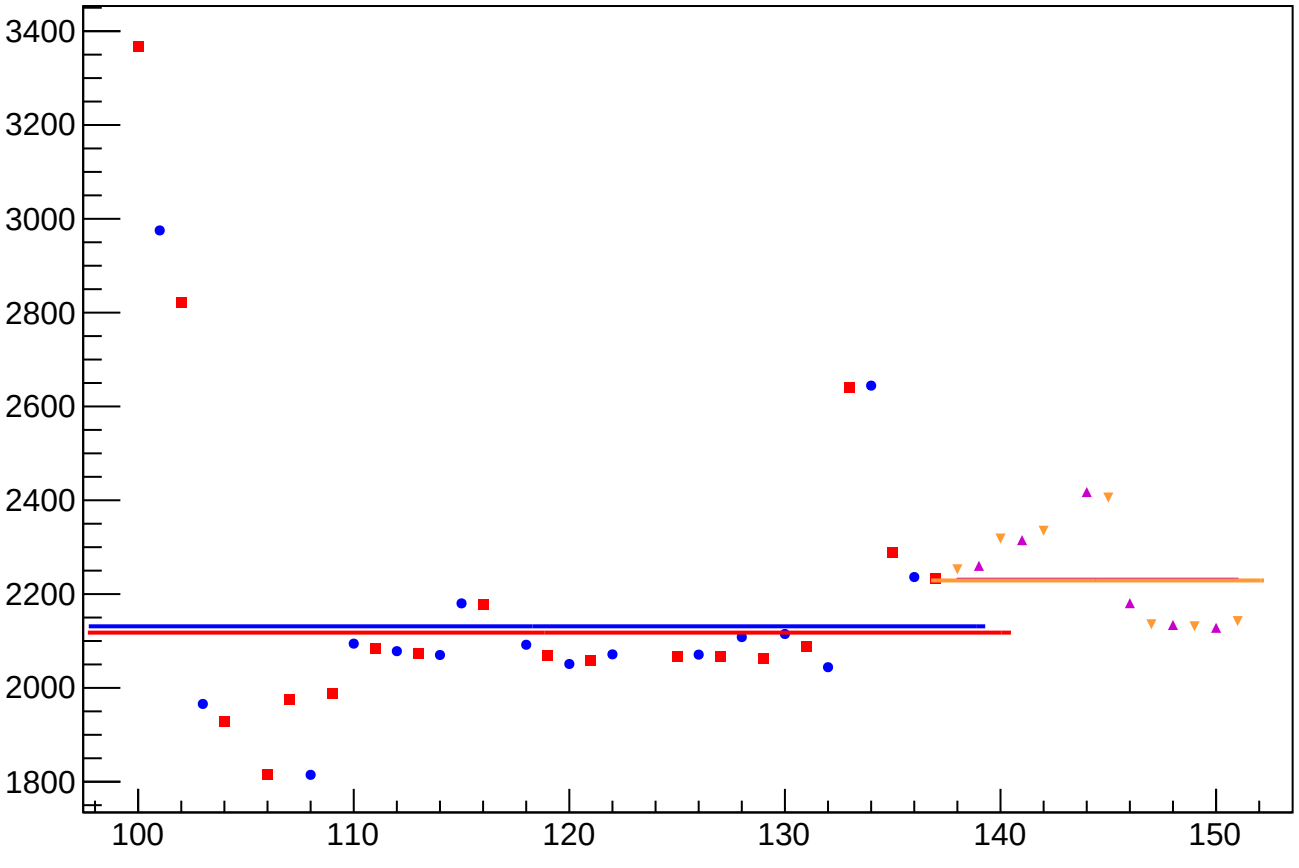
Left: -137.041+/-683.917 χ^2/NDF: 19.5/12

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -1211.787+/-616.889 χ^2/NDF:19.0/21

Out: 202.068+/-613.222 χ^2/NDF:26.6/24

All: -500.645+/-434.904 χ^2/NDF: 48.3/46



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2229.059+/-0.680 χ^2/NDF:22686.5/6

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2230.678+/-0.688 χ^2/NDF:21959.2/5

Left: 2229.860+/-0.484 χ^2/NDF: 44648.5/12

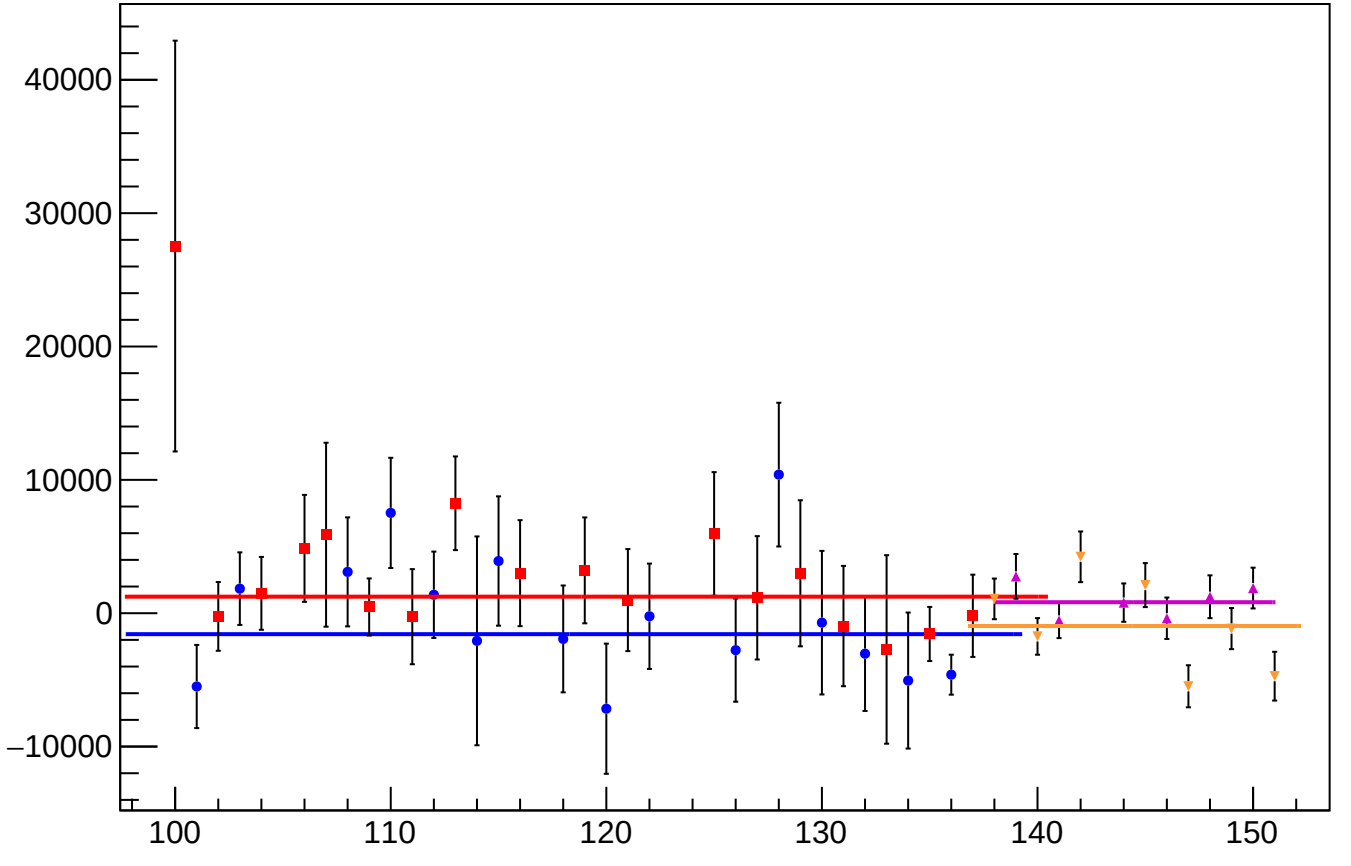
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2171.284+/-0.436 χ^2/NDF:210383.9/21

Out: 2163.052+/-0.434 χ^2/NDF:202171.8/24

All: 2167.143+/-0.308 χ^2/NDF: 412734.8/46

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -958.928+/-605.494 χ^2/NDF:25.5/6

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 825.982+/-615.116 χ^2/NDF:3.6/5

Left: -80.543+/-431.510 χ^2/NDF: 33.3/12

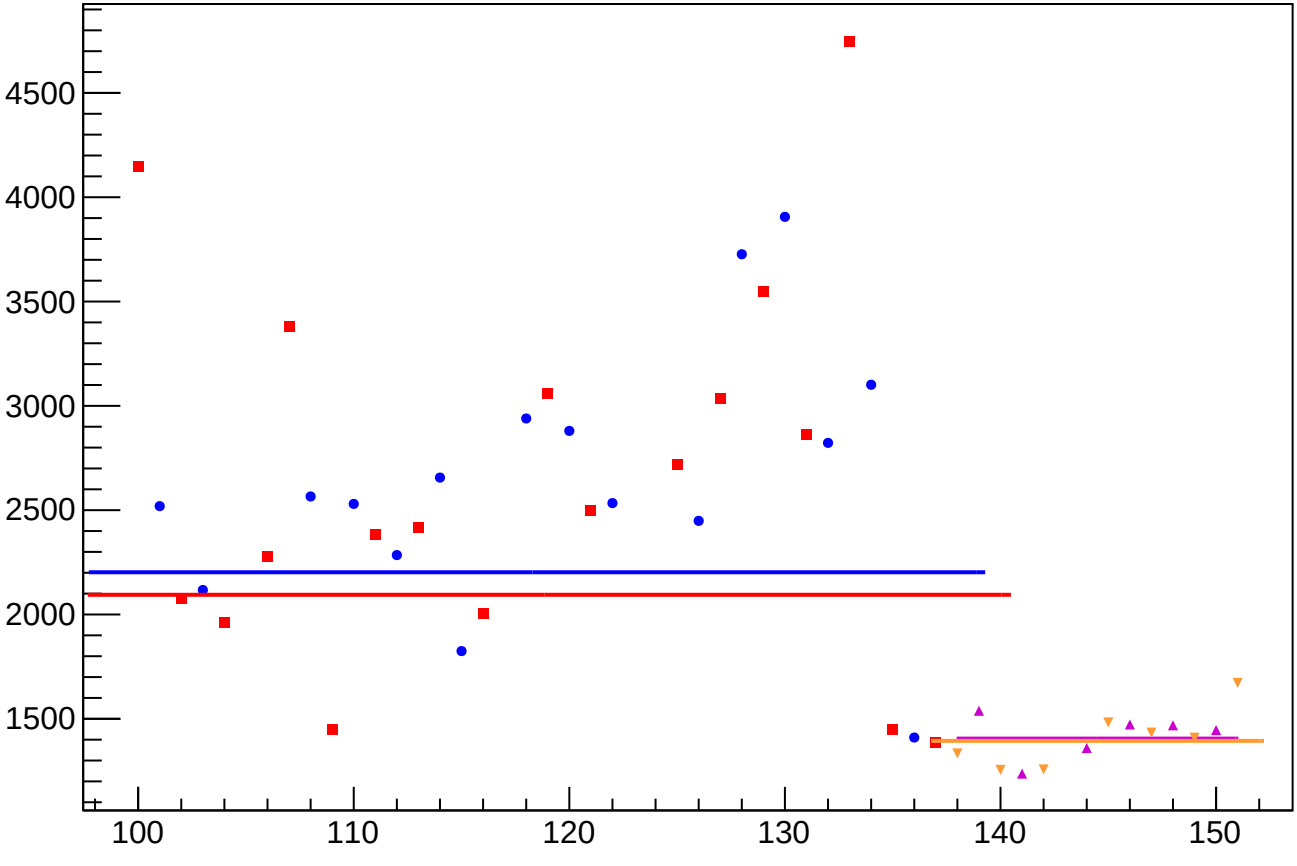
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 14.418+/-500.264 χ^2/NDF:31.3/21

Out: -182.396+/-487.046 χ^2/NDF:43.2/24

All: -86.623+/-348.973 χ^2/NDF: 74.6/46

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1394.239+/-0.428 χ^2/NDF:87408.7/6

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1405.076+/-0.435 χ^2/NDF:55330.0/5

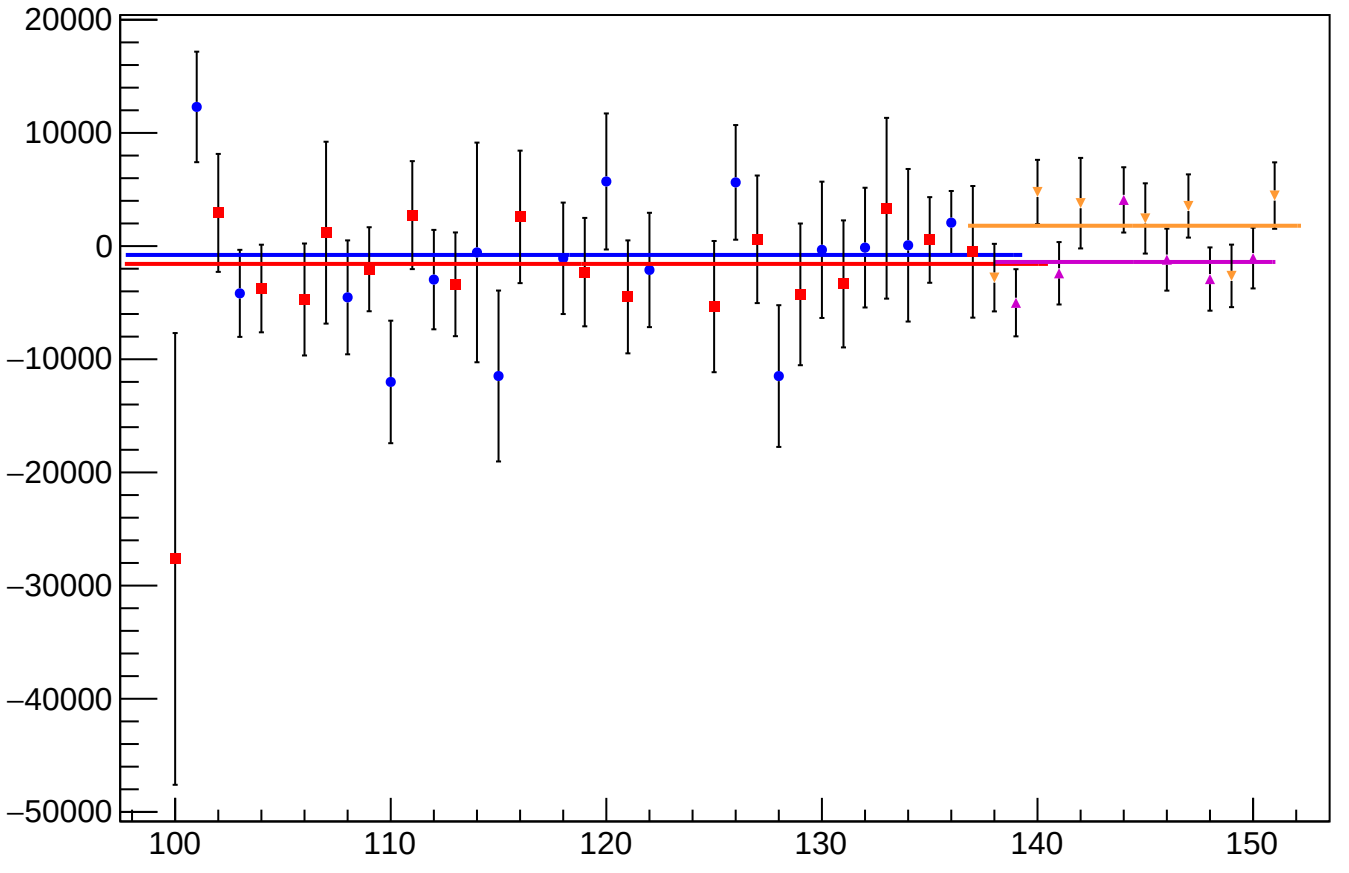
Left: 1399.572+/-0.305 χ^2/NDF: 143054.0/12

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1675.022+/-0.354 χ^2/NDF:2415922.9/21

Out: 1641.400+/-0.344 χ^2/NDF:2405151.9/24

All: 1657.761+/-0.247 χ^2/NDF: 4825712.9/46



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1798.189+/-1133.893 χ^2/NDF:7.5/6

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1402.383+/-1143.226 χ^2/NDF:5.5/5

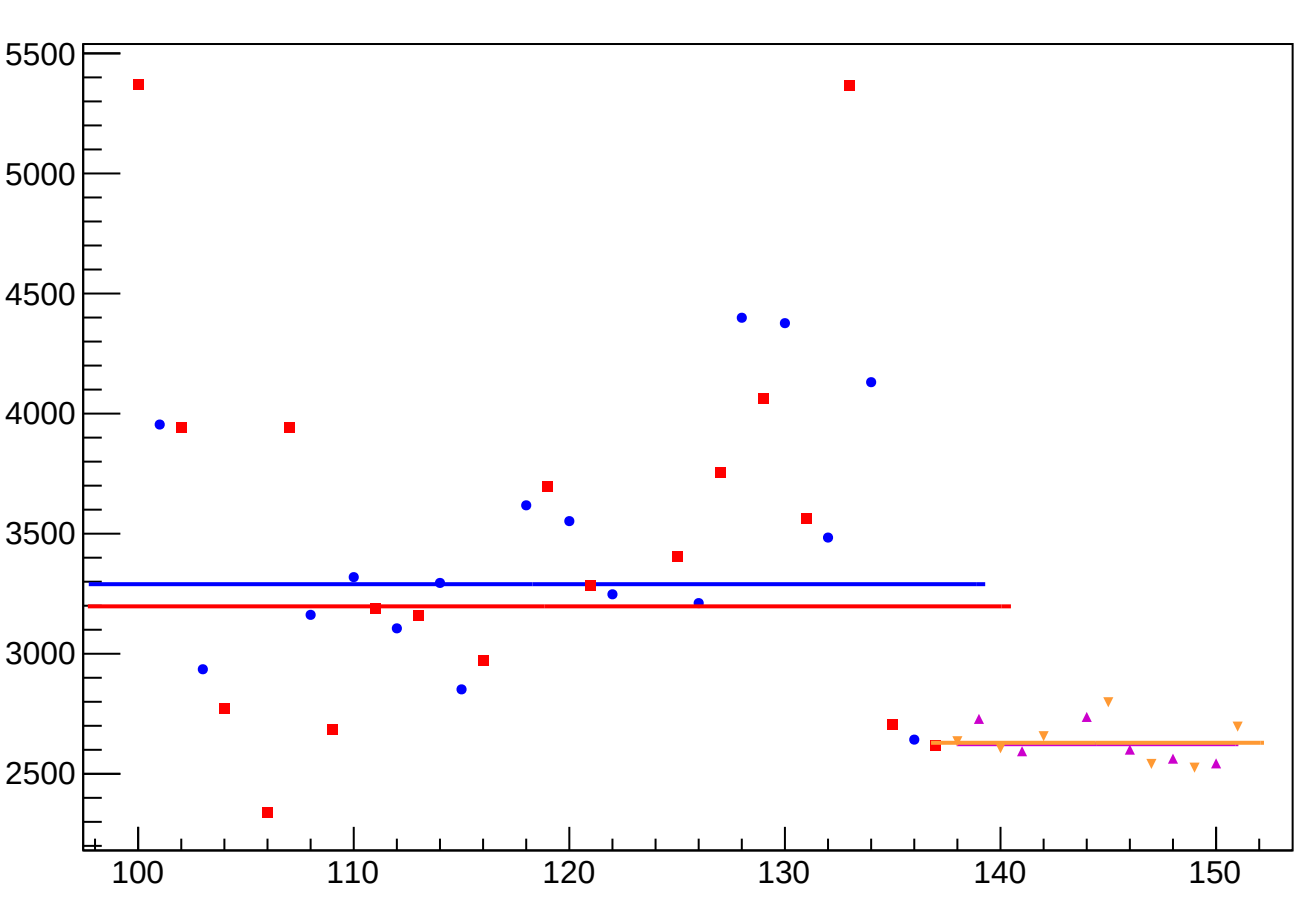
Left: 211.021+/-805.063 χ^2/NDF: 17.0/12

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1117.592+/-841.048 χ^2/NDF:27.6/21

Out: 233.545+/-830.230 χ^2/NDF:18.4/24

All: -433.278+/-590.849 χ^2/NDF: 47.3/46



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2629.289+/-0.802 χ^2/NDF:11992.1/6

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2623.388+/-0.808 χ^2/NDF:8682.7/5

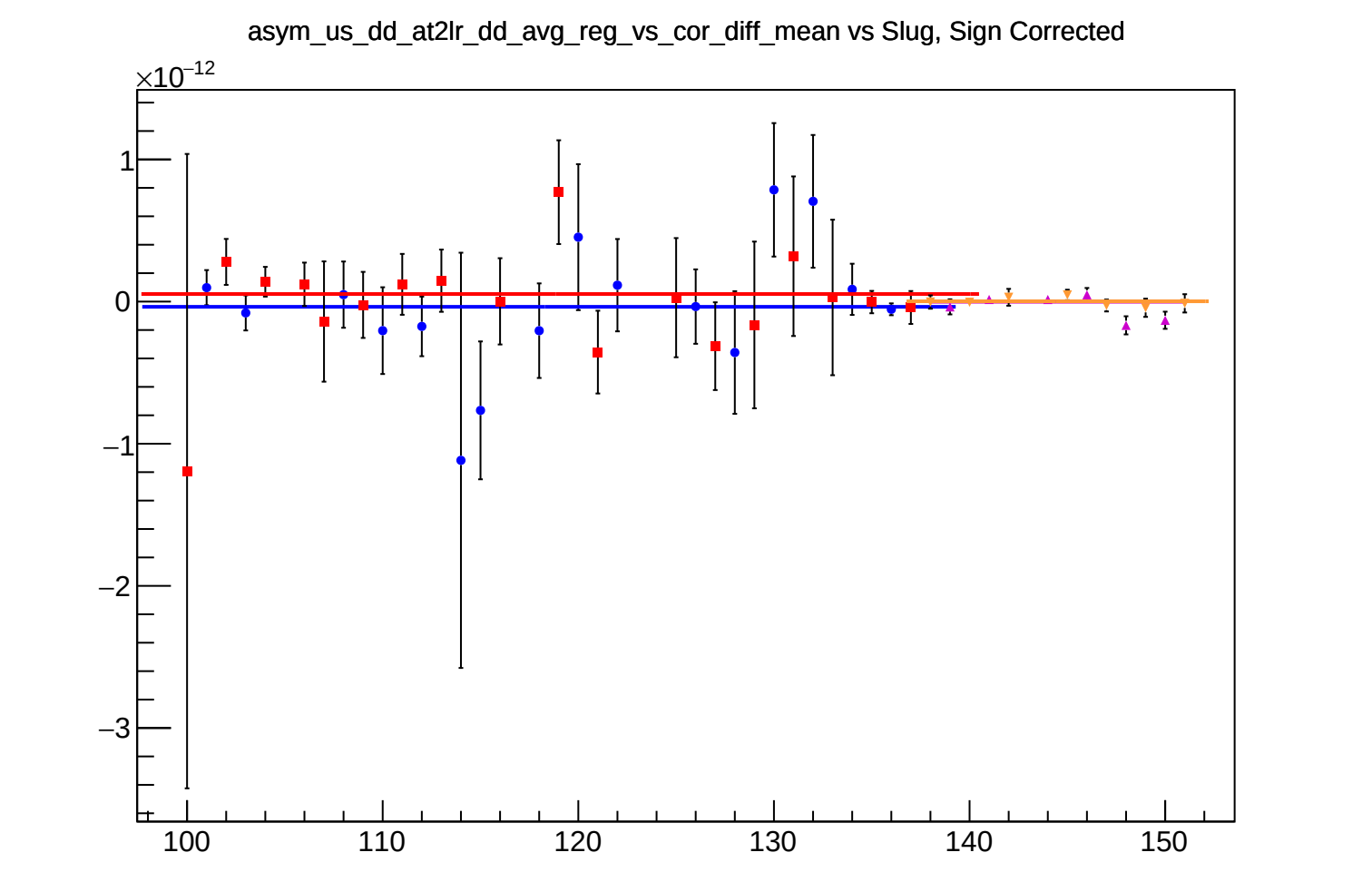
Left: 2626.363+/-0.569 χ^2/NDF: 20701.7/12

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2929.072+/-0.595 χ^2/NDF:667956.2/21

Out: 2892.824+/-0.587 χ^2/NDF:744809.2/24

All: 2910.713+/-0.418 χ^2/NDF: 1414646.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:14.0/5

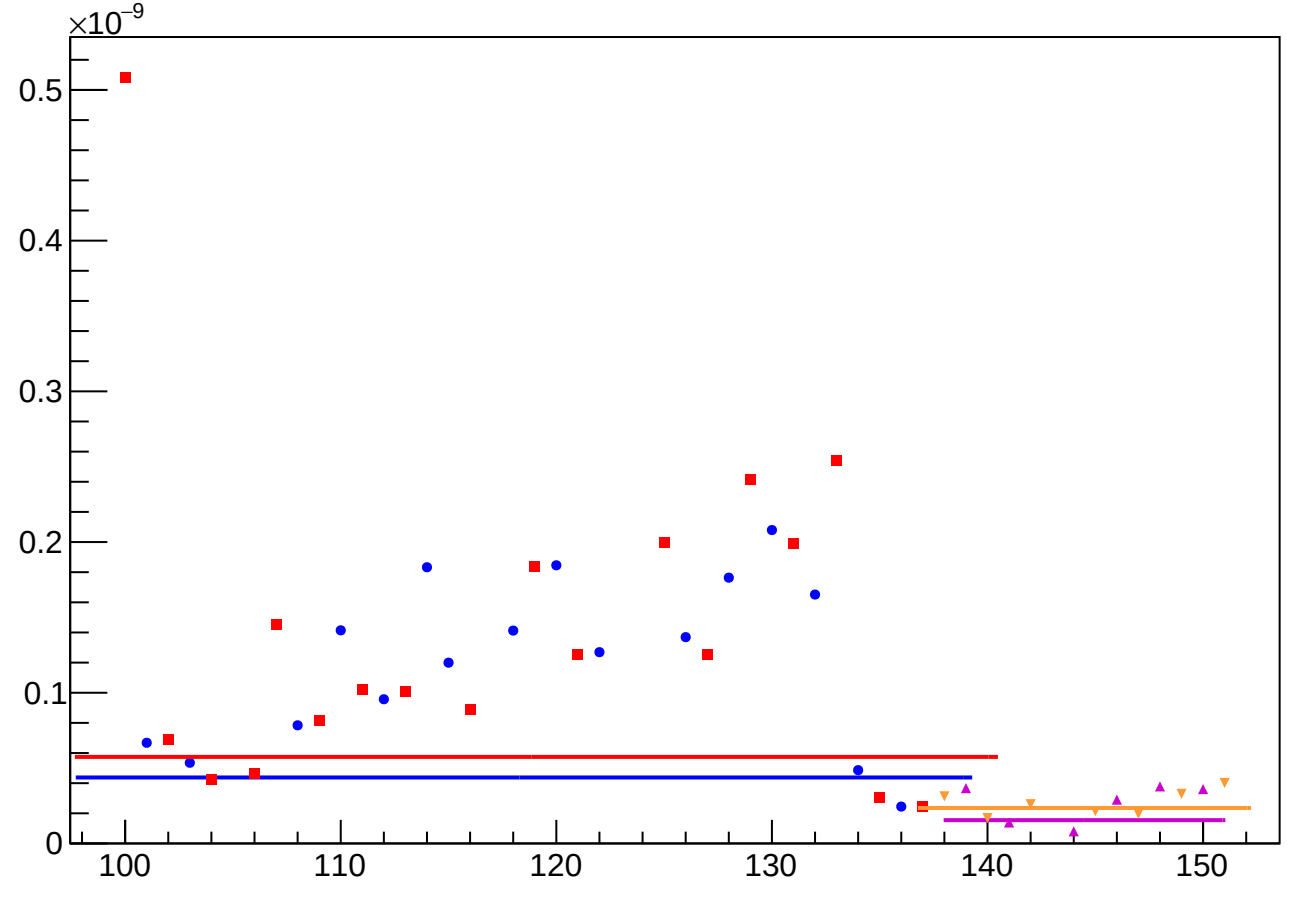
Left: 0.000+/-0.000 χ^2/NDF: 16.9/12

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:28.1/21

Out: 0.000+/-0.000 χ^2/NDF:16.6/24

All: -0.000+/-0.000 χ^2/NDF: 45.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:348821.9/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1307821.2/5

Left: 0.000+/-0.000 χ^2/NDF: 1940089.5/12

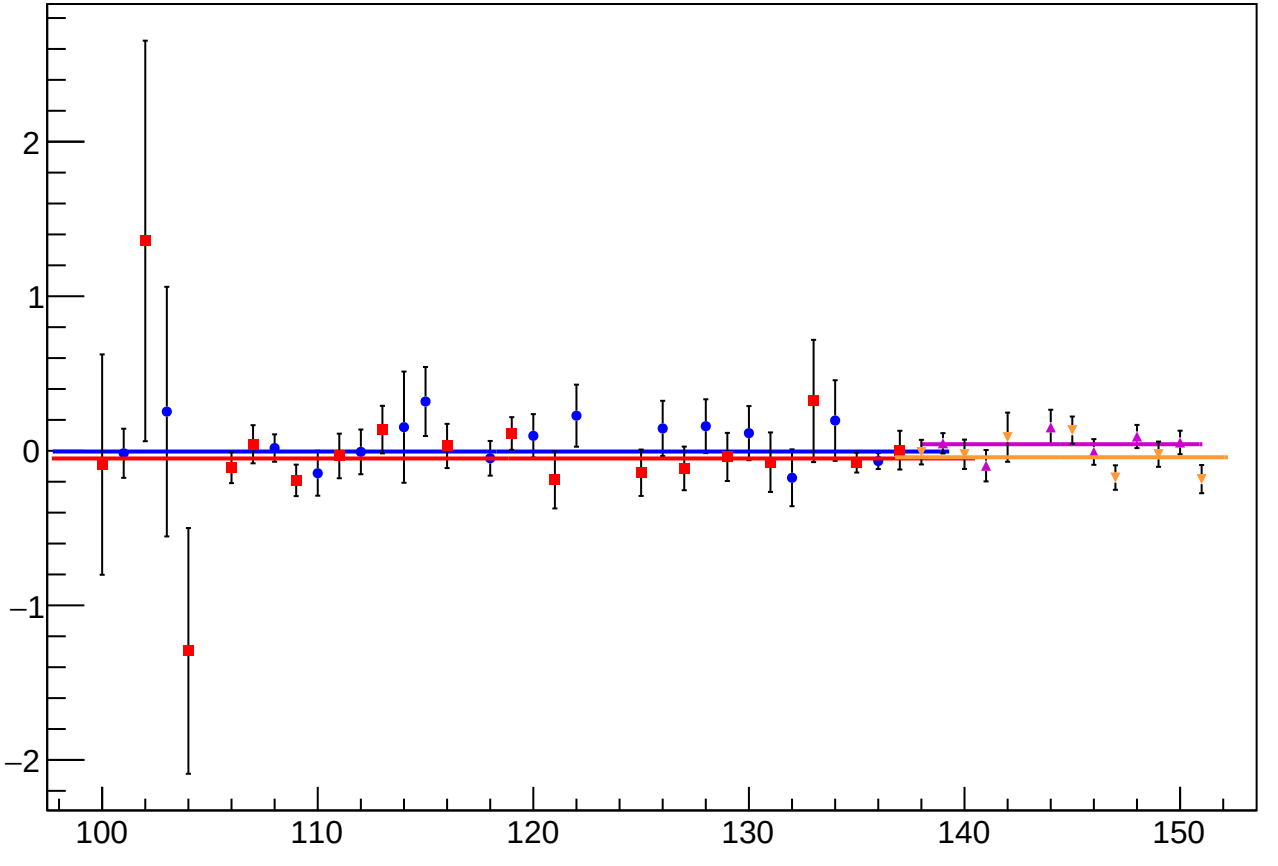
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4715233.2/21

Out: 0.000+/-0.000 χ^2/NDF:3498982.6/24

All: 0.000+/-0.000 χ^2/NDF: 8598178.7/46

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: -0.042+/-0.034 χ^2/NDF:10.0/6

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.043+/-0.033 χ^2/NDF:3.6/5

Left: 0.001+/-0.024 χ^2/NDF: 16.8/12

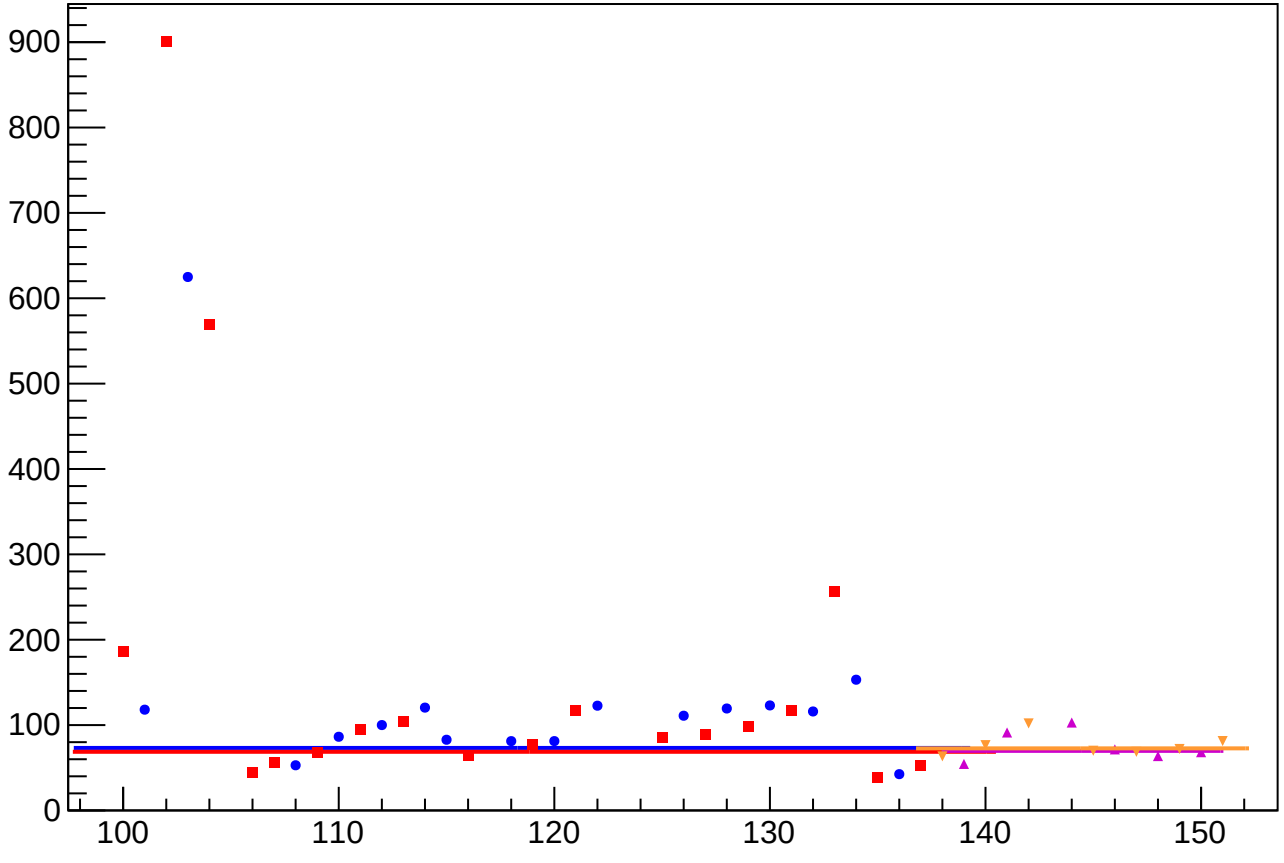
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.018+/-0.023 χ^2/NDF:15.0/21

Out: -0.046+/-0.023 χ^2/NDF:23.1/24

All: -0.014+/-0.016 χ^2/NDF: 41.9/46

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: 72.738+/-0.024 χ^2/NDF:123334.1/6

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 69.816+/-0.024 χ^2/NDF:383435.0/5

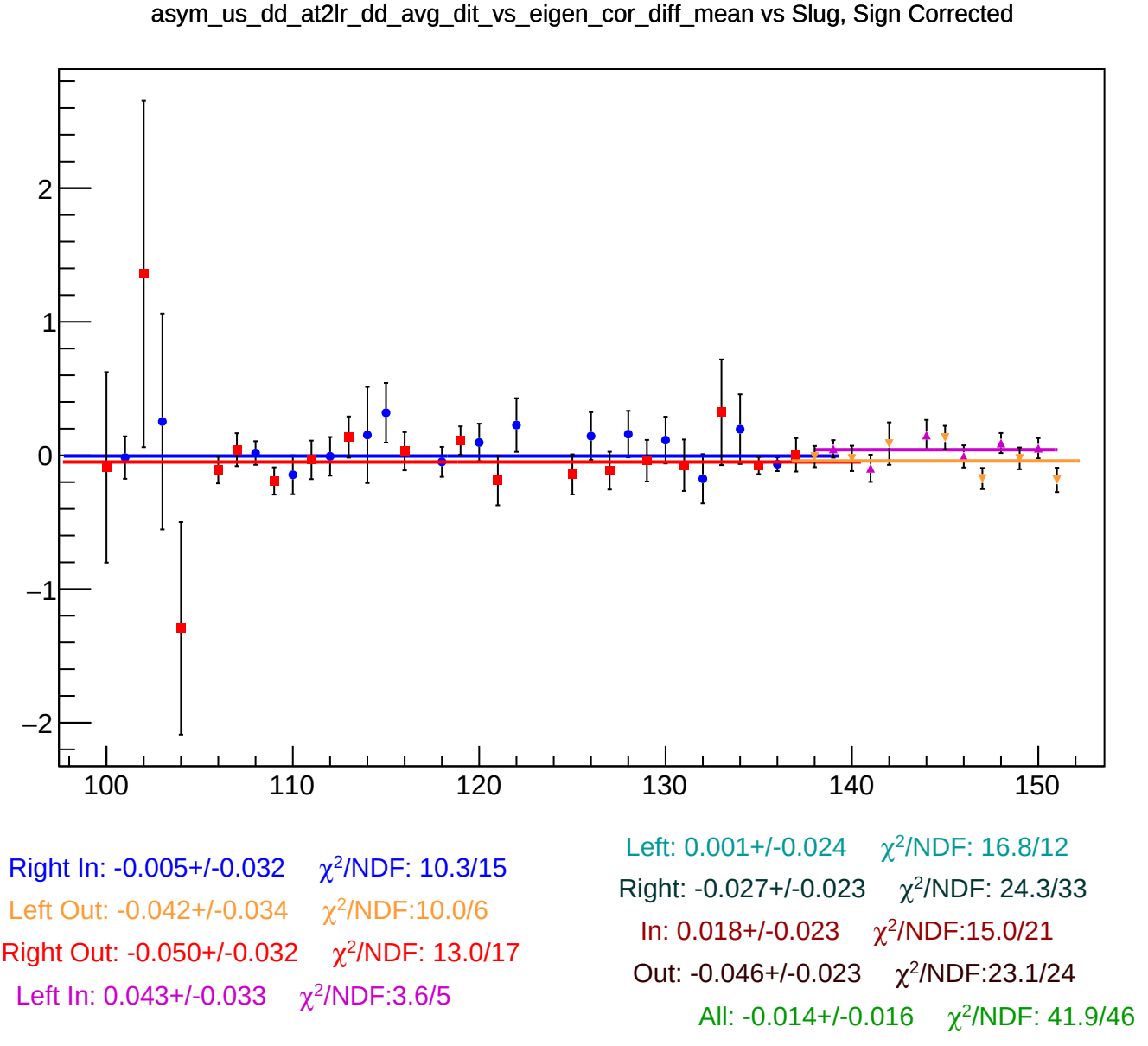
Left: 71.249+/-0.017 χ^2/NDF: 514310.4/12

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

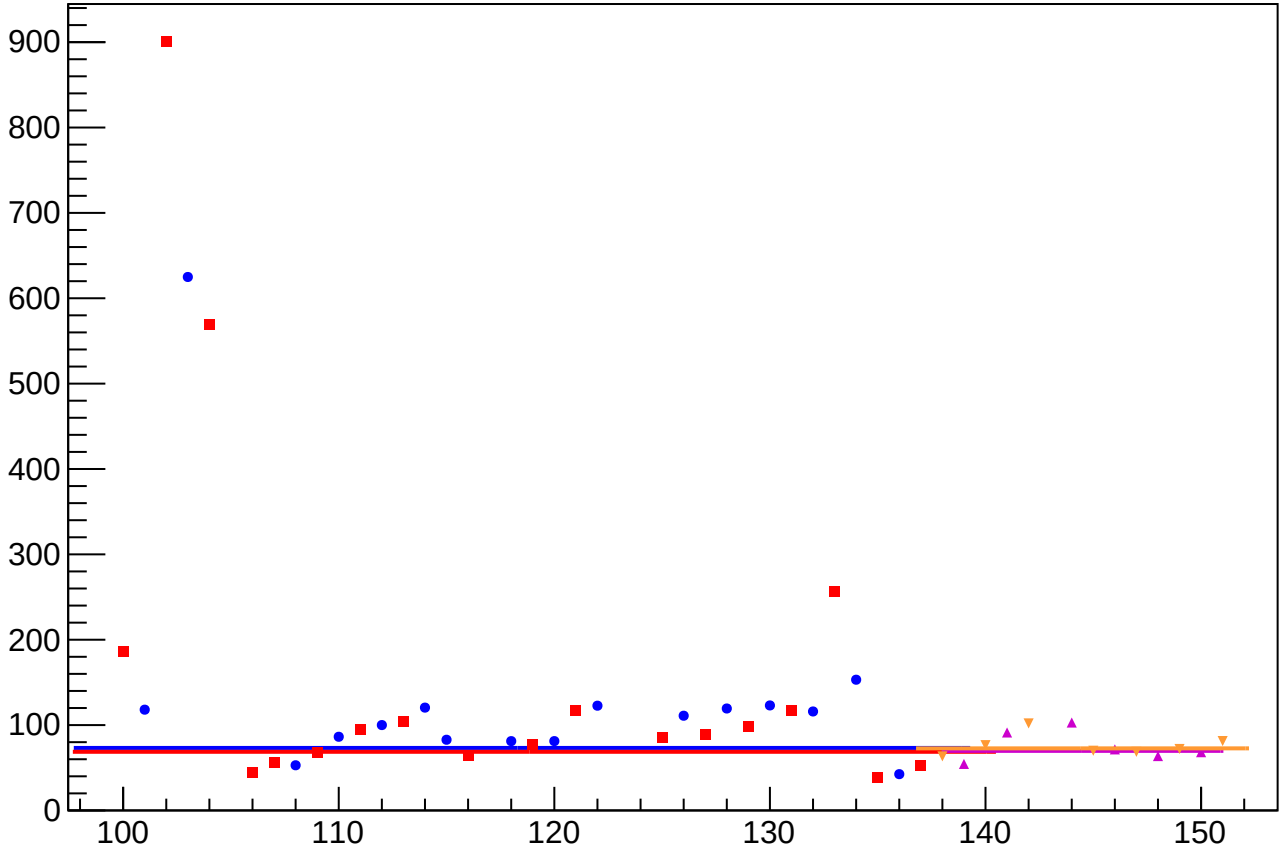
In: 71.582+/-0.016 χ^2/NDF:3248912.7/21

Out: 70.590+/-0.016 χ^2/NDF:3470023.2/24

All: 71.086+/-0.012 χ^2/NDF: 6720770.5/46


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.005+/-0.032 χ²/NDF: 10.3/15
Left Out: -0.042+/-0.034 χ²/NDF:10.0/6
Right Out: -0.050+/-0.032 χ²/NDF: 13.0/17
Left In: 0.043+/-0.033 χ²/NDF:3.6/5
Left: 0.001+/-0.024 χ²/NDF: 16.8/12
Right: -0.027+/-0.023 χ²/NDF: 24.3/33
In: 0.018+/-0.023 χ²/NDF:15.0/21
Out: -0.046+/-0.023 χ²/NDF:23.1/24
All: -0.014+/-0.016 χ²/NDF: 41.9/46

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: 72.738+/-0.024 χ^2/NDF:123334.1/6

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 69.816+/-0.024 χ^2/NDF:383435.0/5

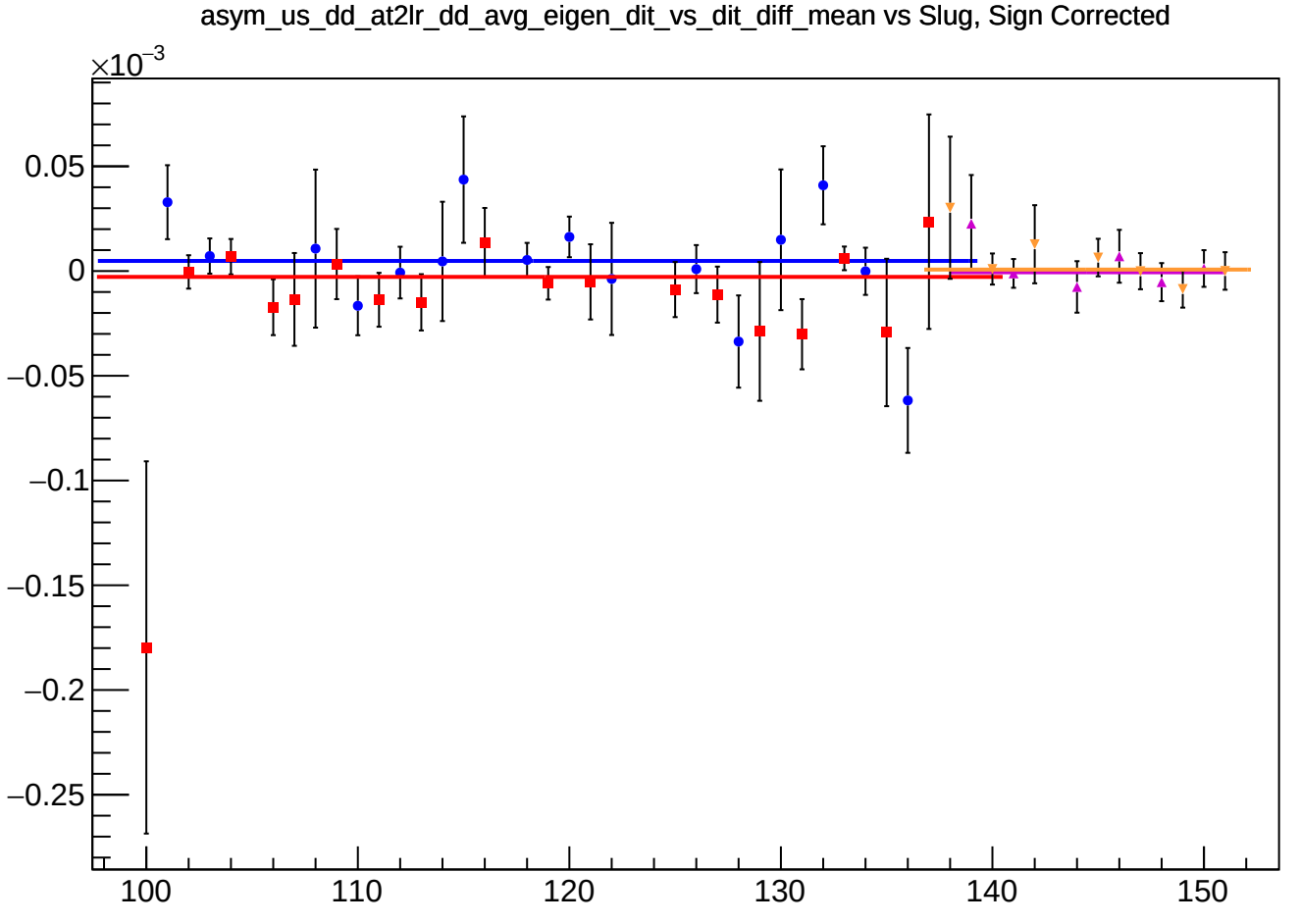
Left: 71.249+/-0.017 χ^2/NDF: 514310.4/12

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.582+/-0.016 χ^2/NDF:3248912.7/21

Out: 70.590+/-0.016 χ^2/NDF:3470023.2/24

All: 71.086+/-0.012 χ^2/NDF: 6720770.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/6

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.0/5

Left: 0.000+/-0.000 χ^2/NDF: 4.7/12

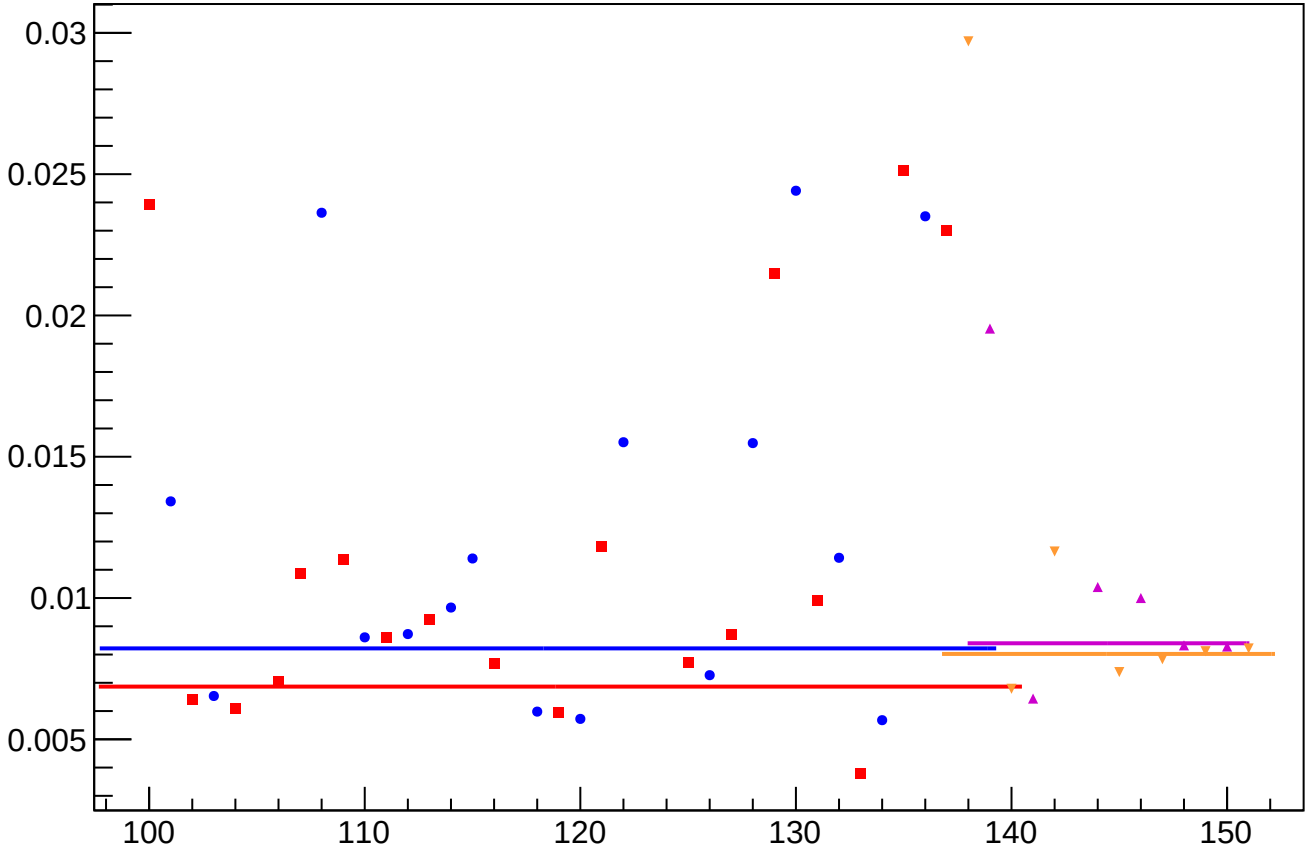
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:25.6/21

Out: -0.000+/-0.000 χ^2/NDF:20.0/24

All: 0.000+/-0.000 χ^2/NDF: 47.0/46

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:959476.1/6

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.008+/-0.000 χ^2/NDF:706915.3/5

Left: 0.008+/-0.000 χ^2/NDF: 1675847.6/12

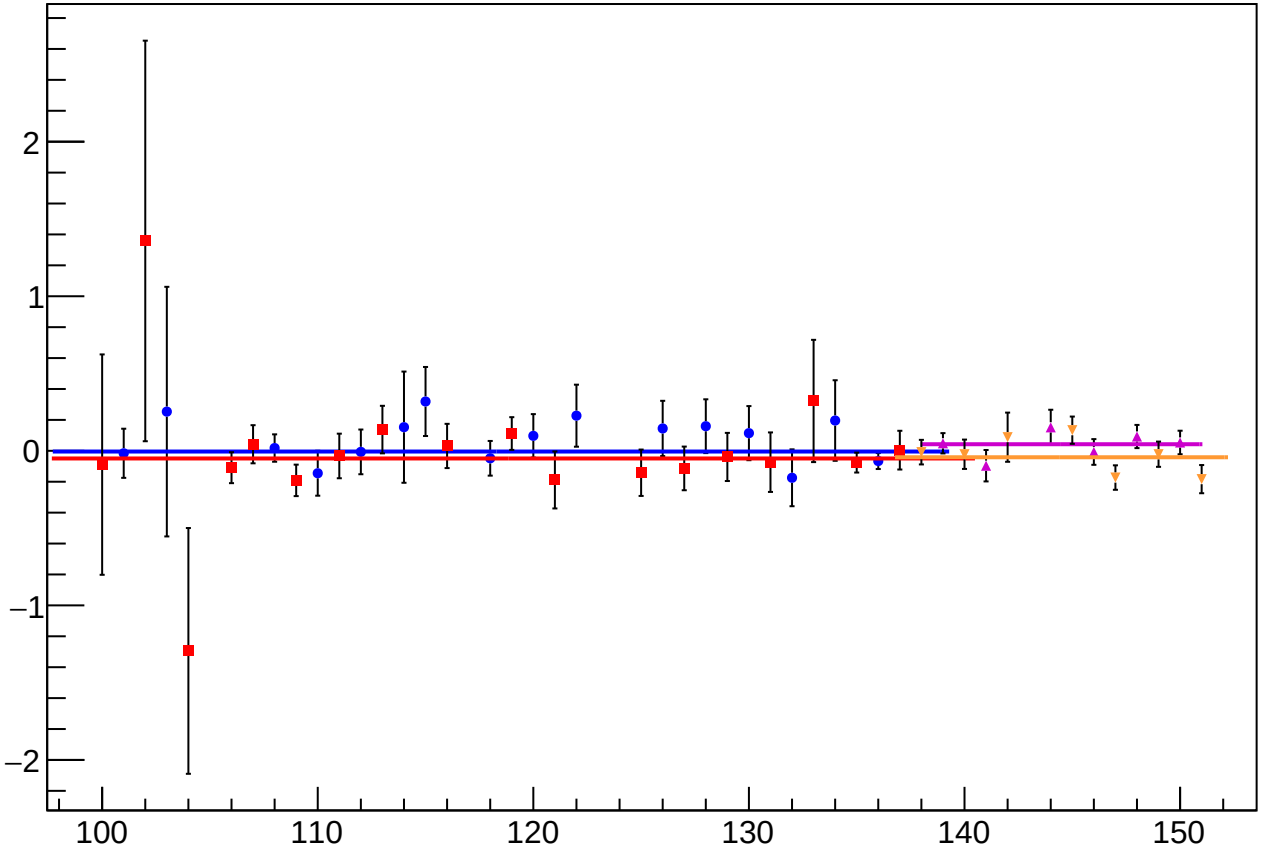
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3365376.9/21

Out: 0.007+/-0.000 χ^2/NDF:3508781.9/24

All: 0.008+/-0.000 χ^2/NDF: 7040839.8/46

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: -0.042+/-0.034 χ^2/NDF:10.0/6

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.043+/-0.033 χ^2/NDF:3.6/5

Left: 0.001+/-0.024 χ^2/NDF: 16.8/12

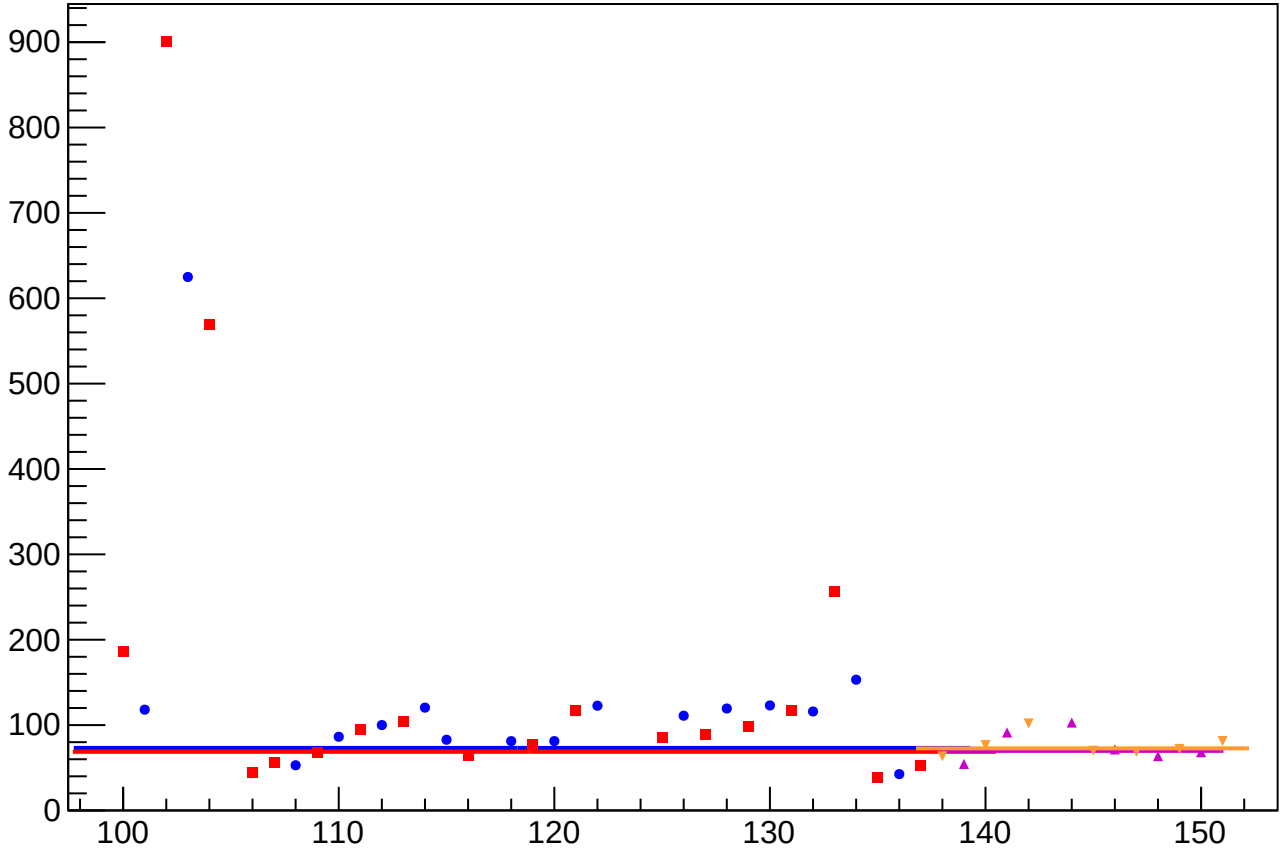
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.018+/-0.023 χ^2/NDF:15.0/21

Out: -0.046+/-0.023 χ^2/NDF:23.1/24

All: -0.014+/-0.016 χ^2/NDF: 41.9/46

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: 72.739+/-0.024 χ^2/NDF:123333.7/6

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 69.819+/-0.024 χ^2/NDF:383227.8/5

Left: 71.250+/-0.017 χ^2/NDF: 514095.7/12

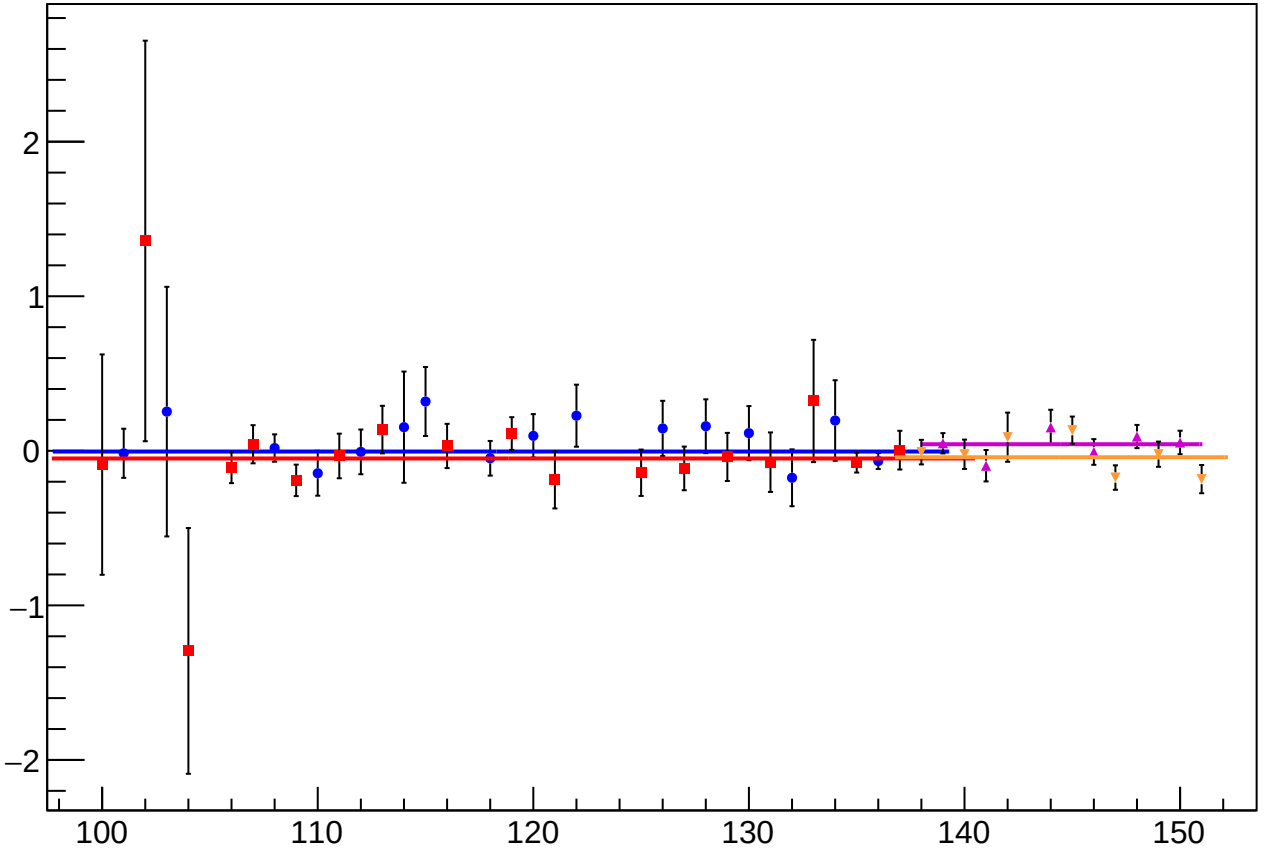
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.596+/-0.016 χ^2/NDF:3246554.4/21

Out: 70.584+/-0.016 χ^2/NDF:3471114.8/24

All: 71.090+/-0.012 χ^2/NDF: 6719576.4/46

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: -0.042+/-0.034 χ^2/NDF:10.0/6

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.043+/-0.033 χ^2/NDF:3.6/5

Left: 0.001+/-0.024 χ^2/NDF: 16.8/12

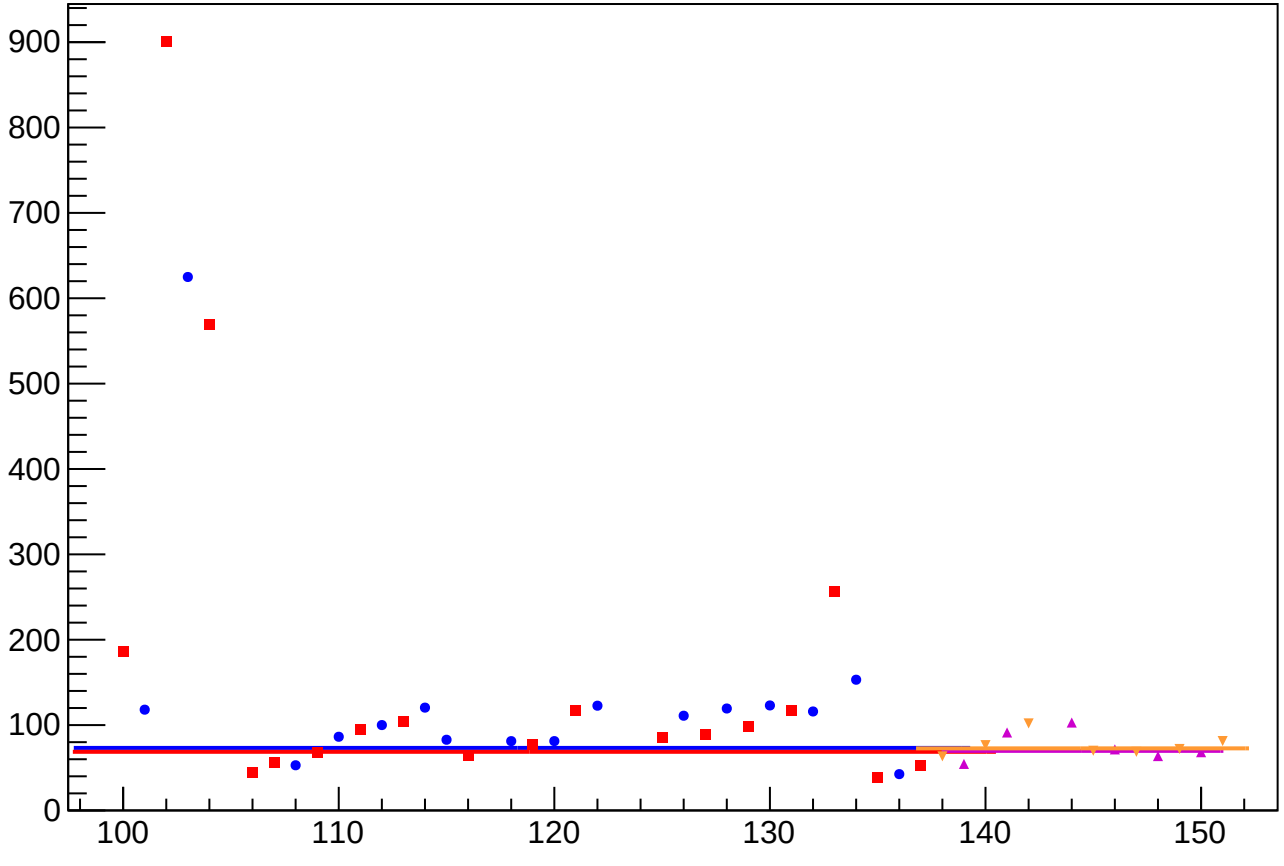
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.018+/-0.023 χ^2/NDF:15.0/21

Out: -0.046+/-0.023 χ^2/NDF:23.1/24

All: -0.014+/-0.016 χ^2/NDF: 41.9/46

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: 72.739+/-0.024 χ^2/NDF:123333.7/6

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 69.819+/-0.024 χ^2/NDF:383227.8/5

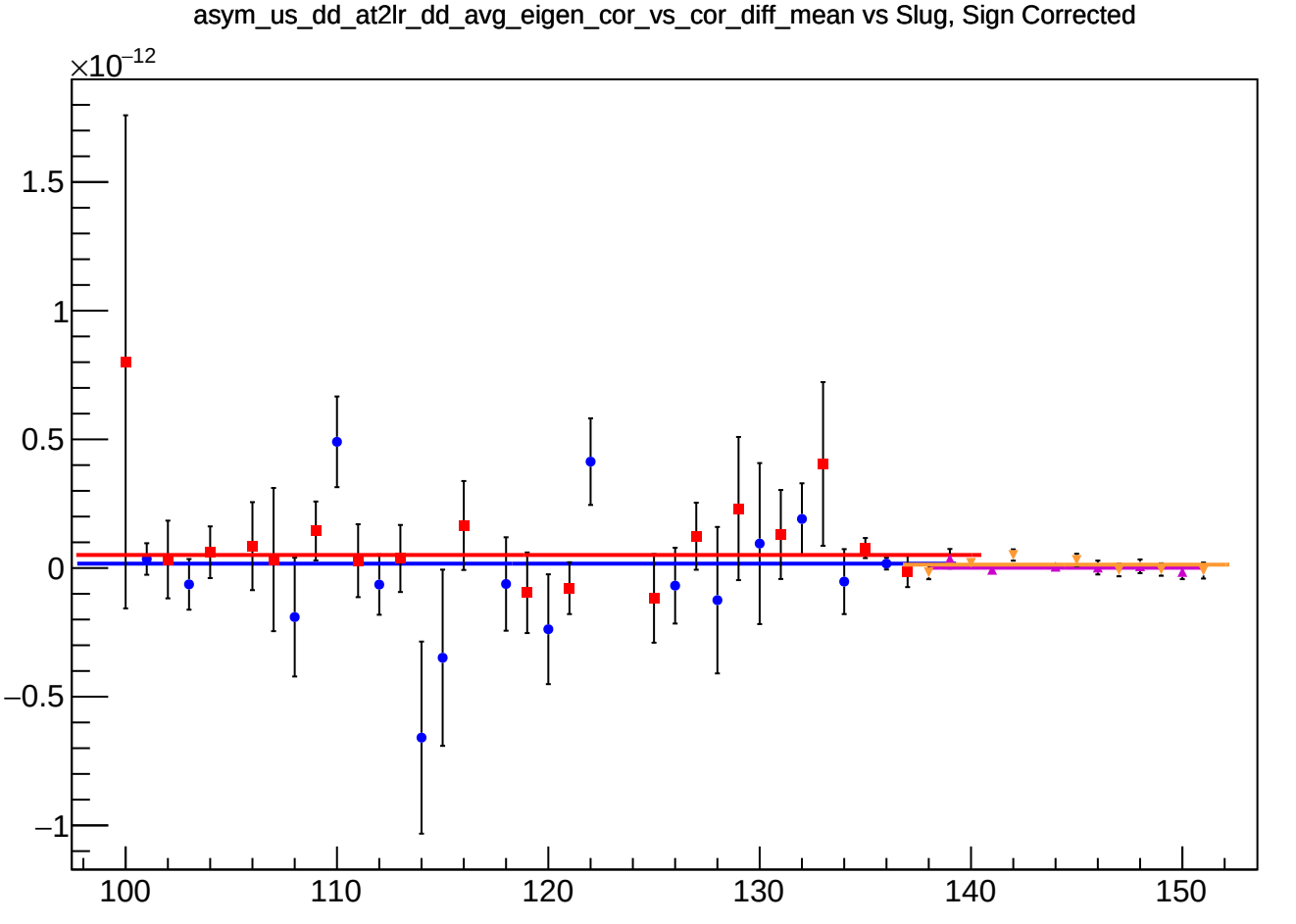
Left: 71.250+/-0.017 χ^2/NDF: 514095.7/12

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.596+/-0.016 χ^2/NDF:3246554.4/21

Out: 70.584+/-0.016 χ^2/NDF:3471114.8/24

All: 71.090+/-0.012 χ^2/NDF: 6719576.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/6

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1.5/5

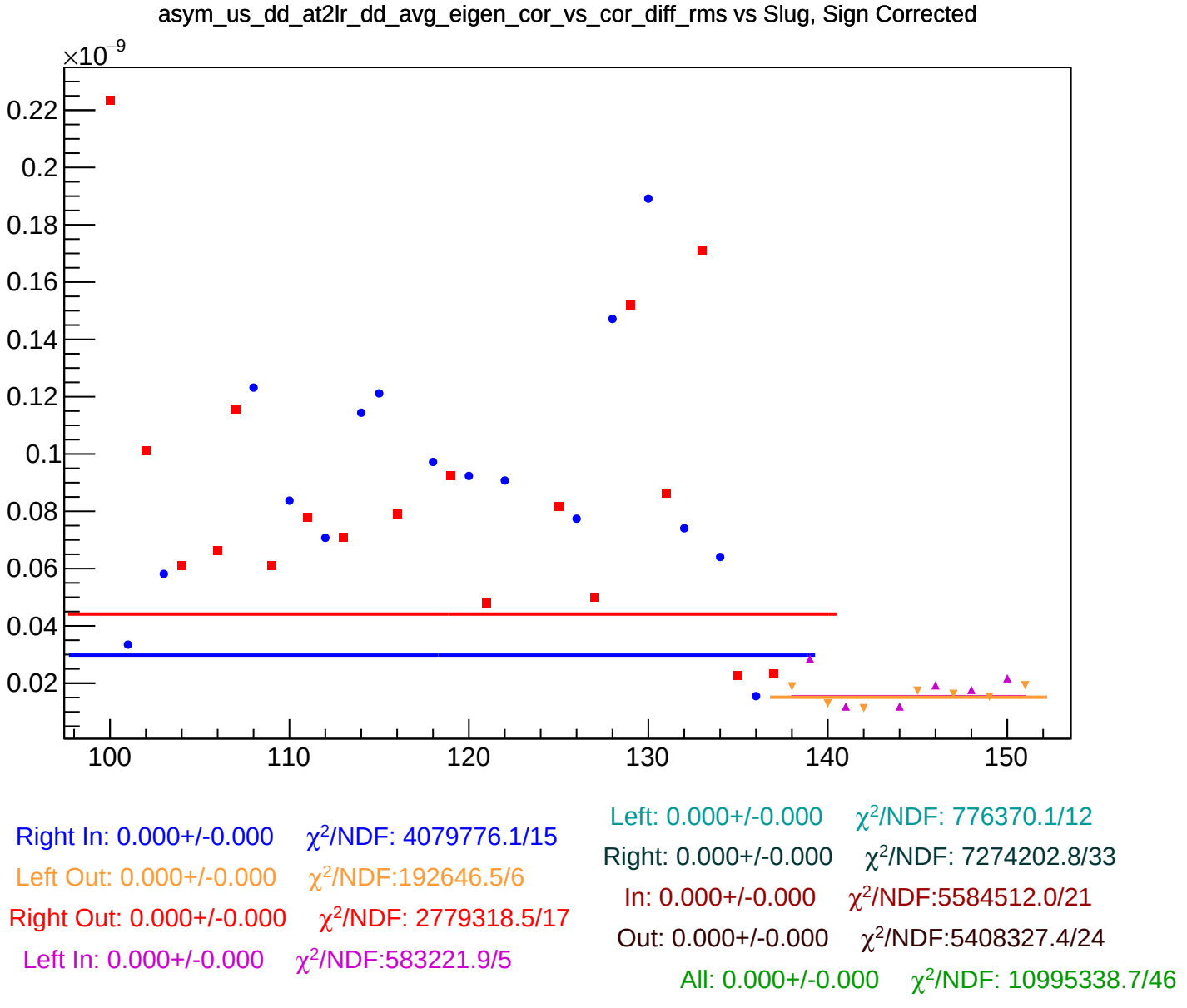
Left: 0.000+/-0.000 χ^2/NDF: 9.2/12

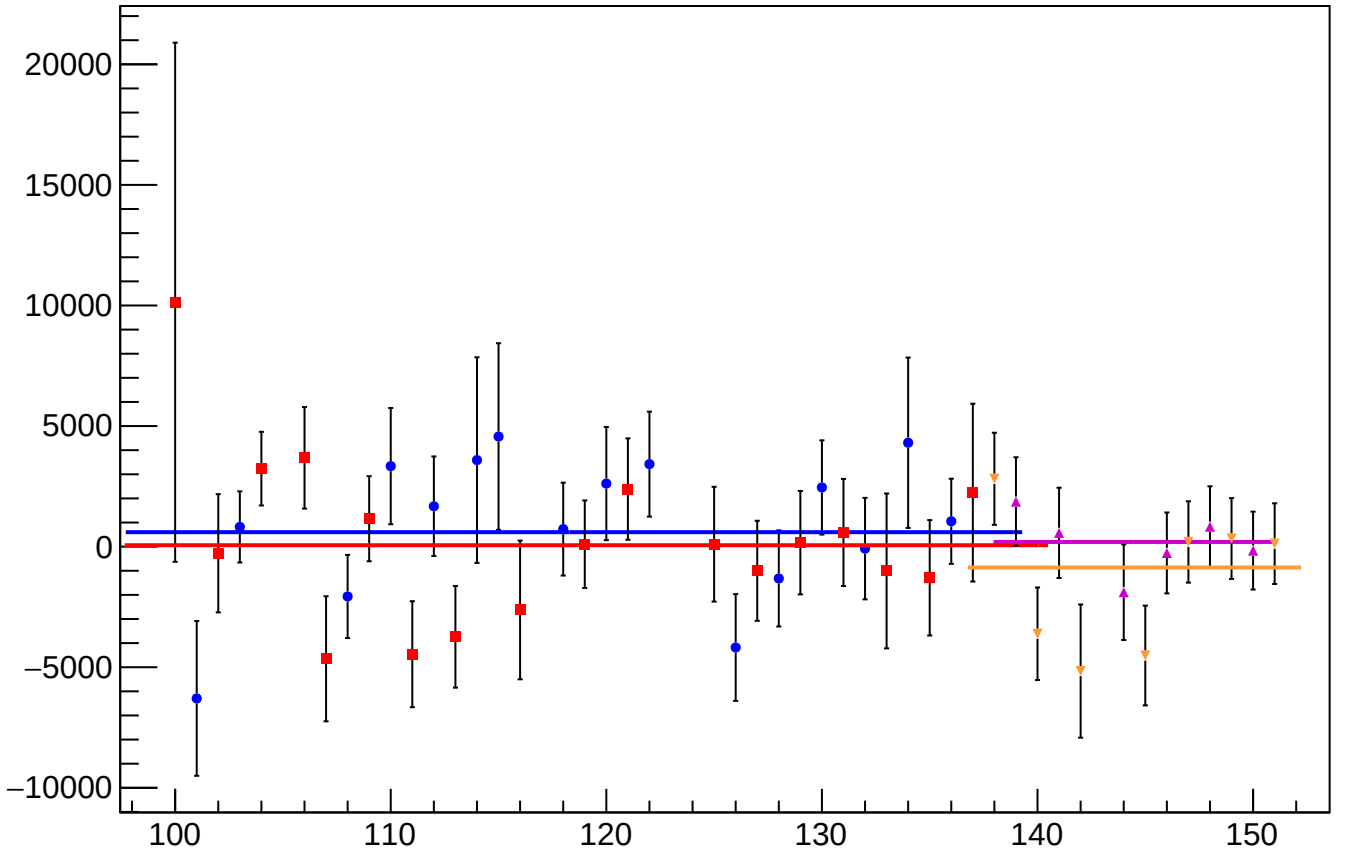
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:25.4/21

Out: 0.000+/-0.000 χ^2/NDF:17.8/24

All: 0.000+/-0.000 χ^2/NDF: 44.6/46


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:192646.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:583221.9/5
Left: 0.000+/-0.000 χ²/NDF: 776370.1/12
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5584512.0/21
Out: 0.000+/-0.000 χ²/NDF:5408327.4/24
All: 0.000+/-0.000 χ²/NDF: 10995338.7/46



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -864.992+/-711.494 χ^2/NDF:12.6/6

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 194.853+/-719.511 χ^2/NDF:2.2/5

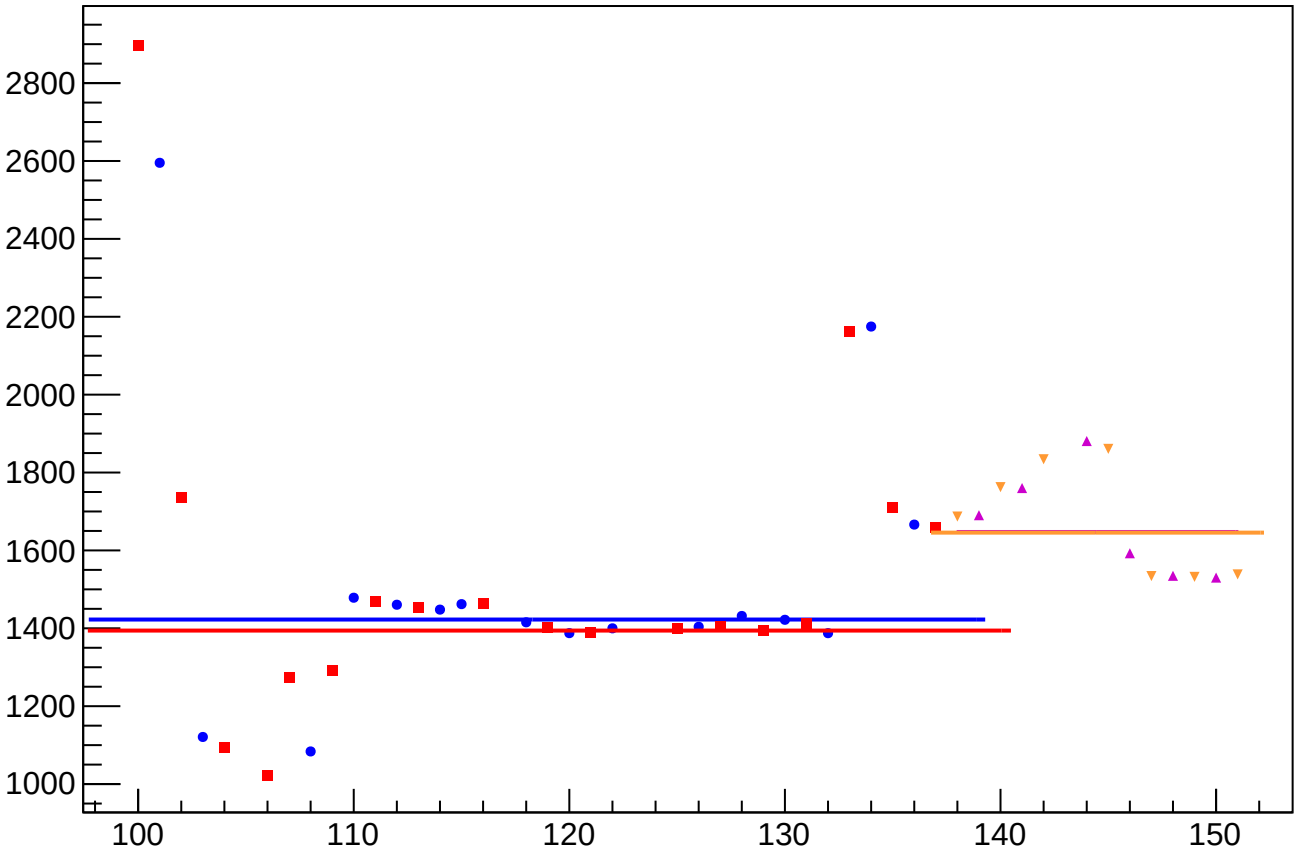
Left: -341.006+/-505.913 χ^2/NDF: 15.9/12

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 454.095+/-431.921 χ^2/NDF:22.8/21

Out: -270.850+/-425.142 χ^2/NDF:36.2/24

All: 85.889+/-302.989 χ^2/NDF: 60.4/46



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1645.683+/-0.503 χ^2/NDF:65441.4/6

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1647.323+/-0.509 χ^2/NDF:57797.8/5

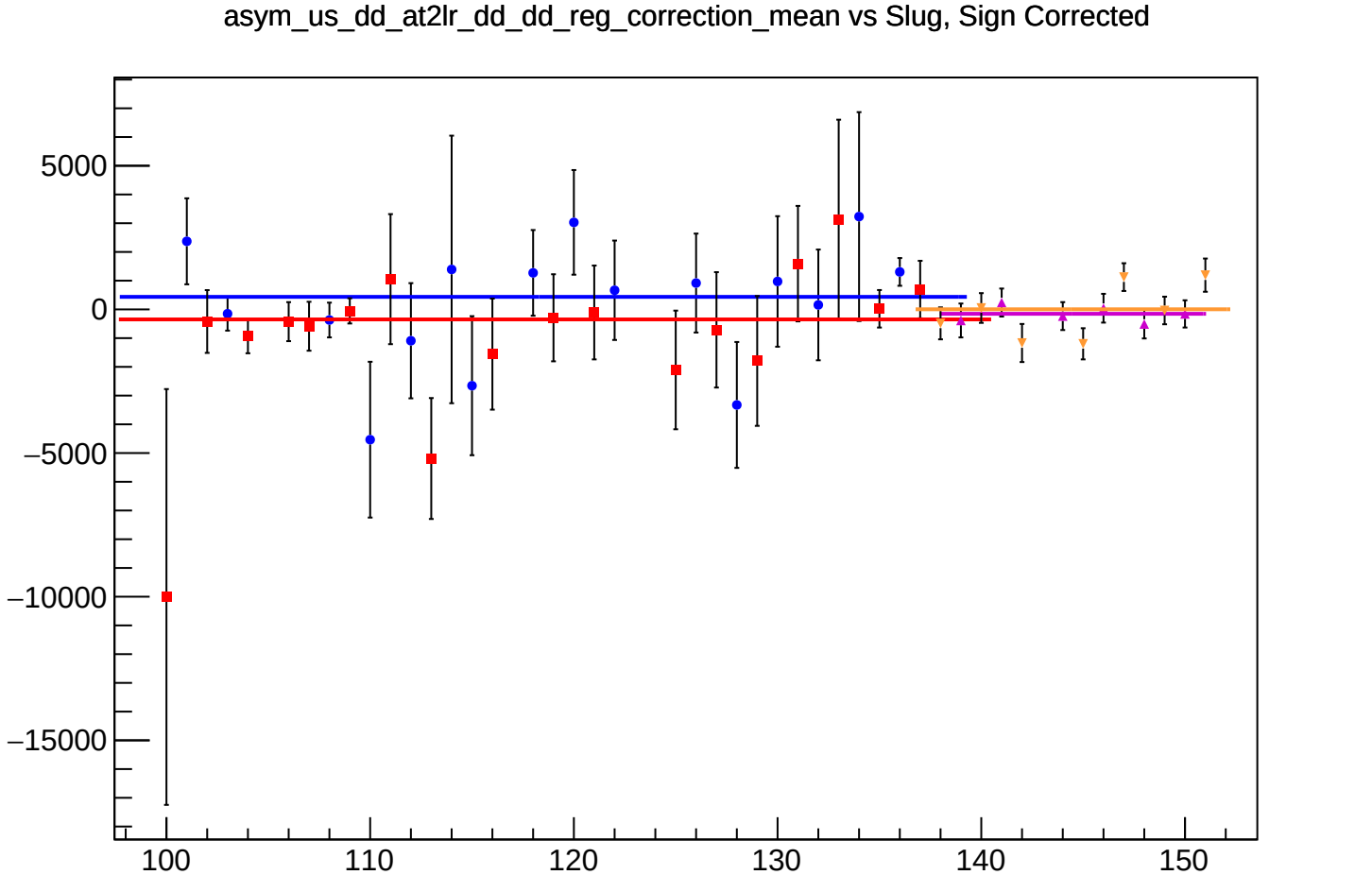
Left: 1646.494+/-0.358 χ^2/NDF: 123244.5/12

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1503.526+/-0.305 χ^2/NDF:742944.0/21

Out: 1483.972+/-0.301 χ^2/NDF:619796.8/24

All: 1493.595+/-0.214 χ^2/NDF: 1364822.8/46



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 4.325+/-203.044 χ^2/NDF:18.4/6

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -153.311+/-205.334 χ^2/NDF:1.5/5

Left: -73.609+/-144.377 χ^2/NDF: 20.2/12

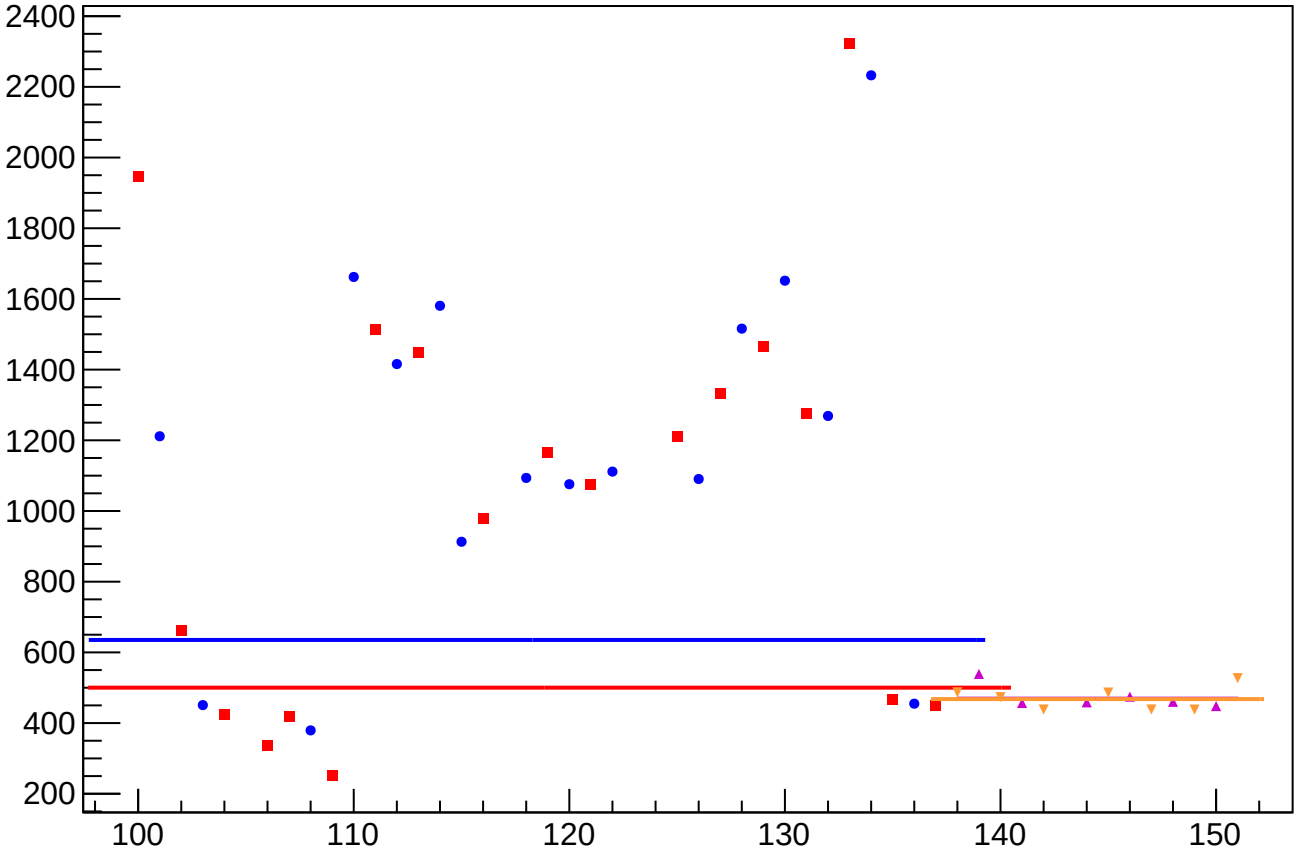
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 56.915+/-164.726 χ^2/NDF:23.8/21

Out: -147.439+/-153.287 χ^2/NDF:33.7/24

All: -52.603+/-112.216 χ^2/NDF: 58.2/46

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: 467.846+/-0.144 χ^2/NDF:44943.2/6

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 469.074+/-0.145 χ^2/NDF:35164.7/5

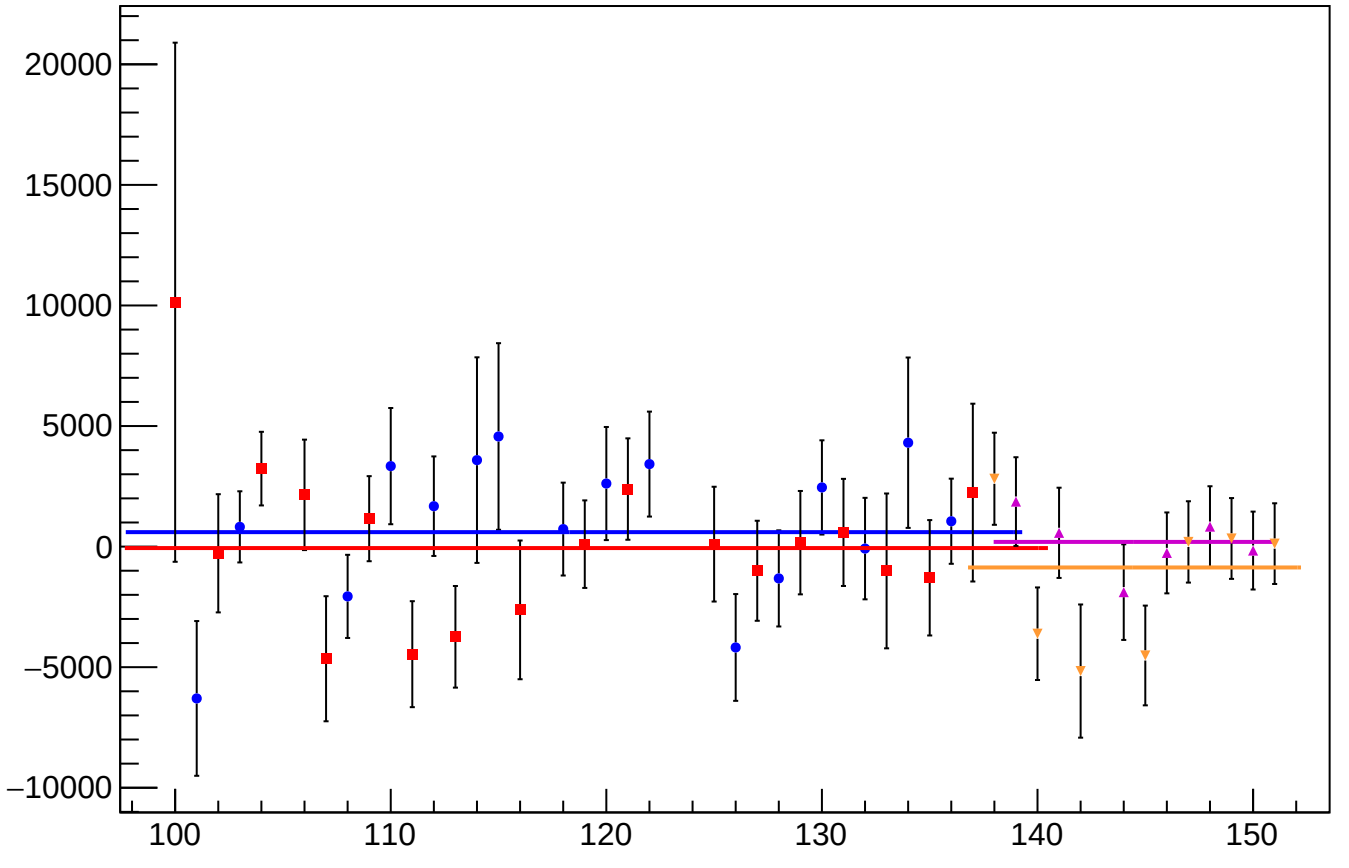
Left: 468.453+/-0.102 χ^2/NDF: 80144.0/12

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 528.262+/-0.116 χ^2/NDF:4253989.4/21

Out: 481.774+/-0.108 χ^2/NDF:4375917.4/24

All: 503.348+/-0.079 χ^2/NDF: 8715274.4/46



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -865.083+/-711.494 χ^2/NDF:12.6/6

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 194.849+/-719.511 χ^2/NDF:2.2/5

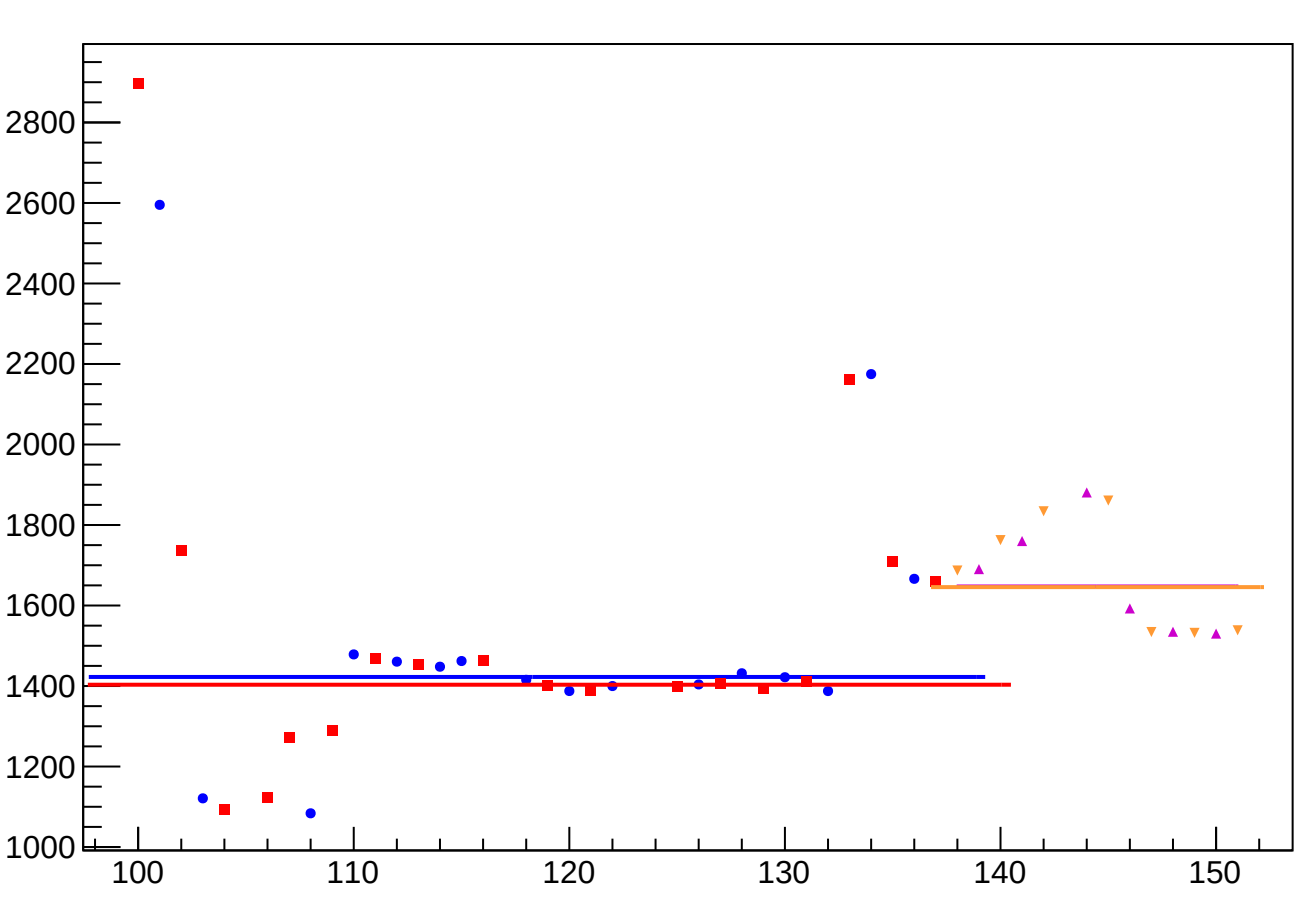
Left: -341.055+/-505.913 χ^2/NDF: 15.9/12

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 454.013+/-431.921 χ^2/NDF:22.8/21

Out: -349.509+/-426.490 χ^2/NDF:33.7/24

All: 47.168+/-303.476 χ^2/NDF: 58.3/46



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1645.683+/-0.503 χ^2/NDF:65441.4/6

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1647.323+/-0.509 χ^2/NDF:57797.8/5

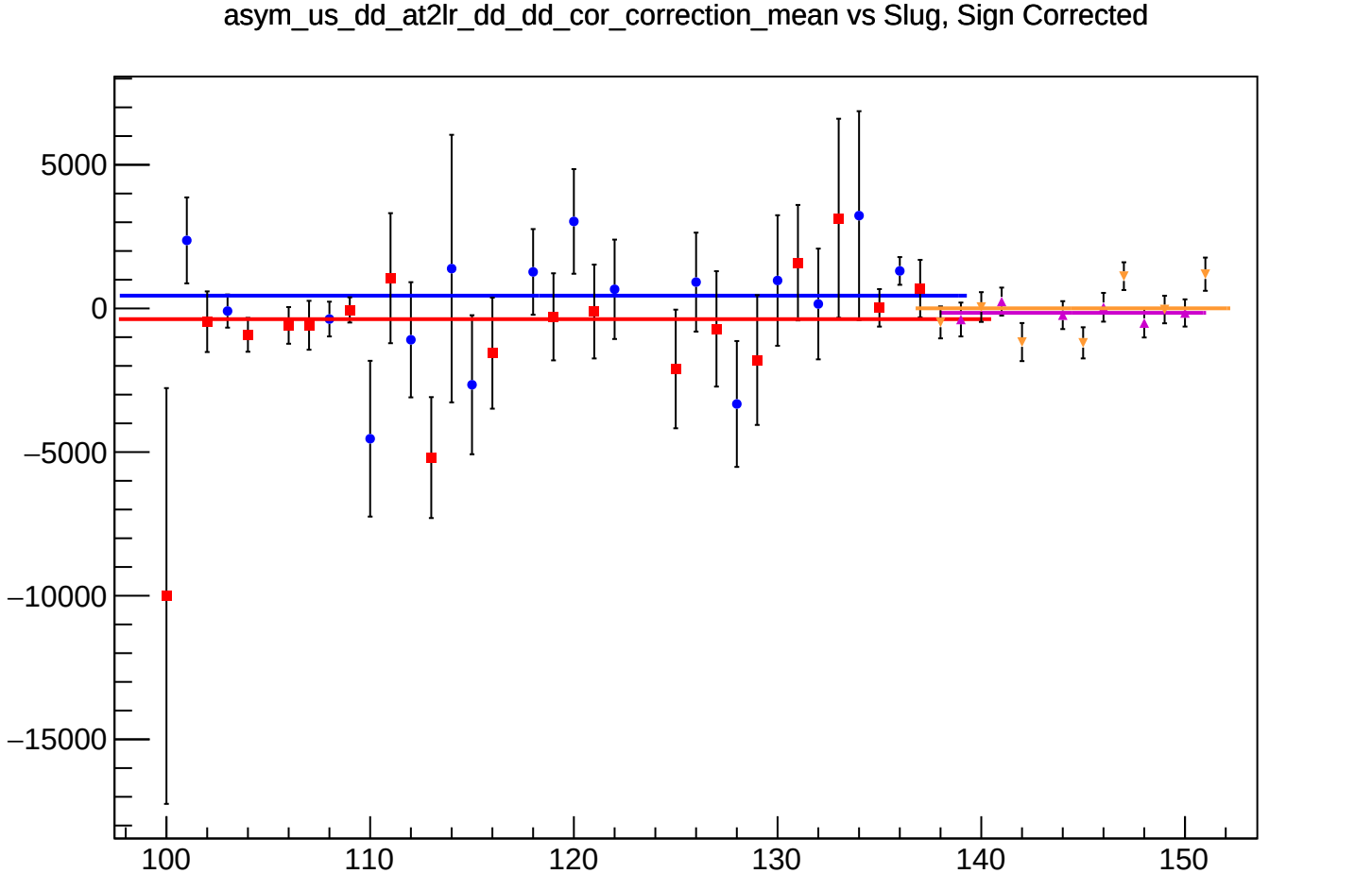
Left: 1646.494+/-0.358 χ^2/NDF: 123244.5/12

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1503.526+/-0.305 χ^2/NDF:742944.4/21

Out: 1490.340+/-0.302 χ^2/NDF:573363.2/24

All: 1496.850+/-0.215 χ^2/NDF: 1317251.4/46



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 4.330+/-203.048 χ^2/NDF:18.4/6

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -153.437+/-205.332 χ^2/NDF:1.5/5

Left: -73.671+/-144.377 χ^2/NDF: 20.2/12

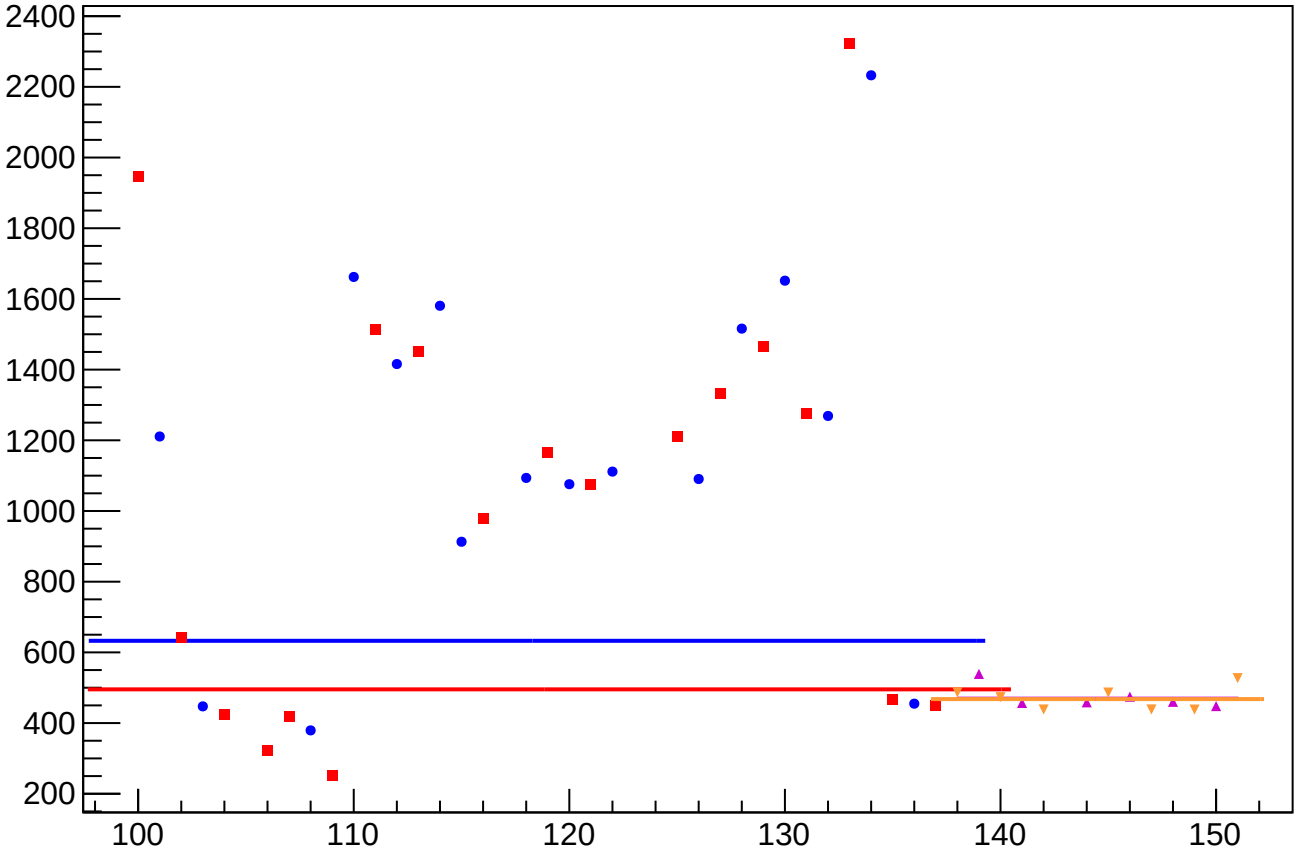
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 61.078+/-164.472 χ^2/NDF:23.7/21

Out: -159.652+/-152.608 χ^2/NDF:33.9/24

All: -57.534+/-111.870 χ^2/NDF: 58.6/46

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: 467.857+/-0.144 χ^2/NDF:44919.0/6

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 469.067+/-0.145 χ^2/NDF:35167.7/5

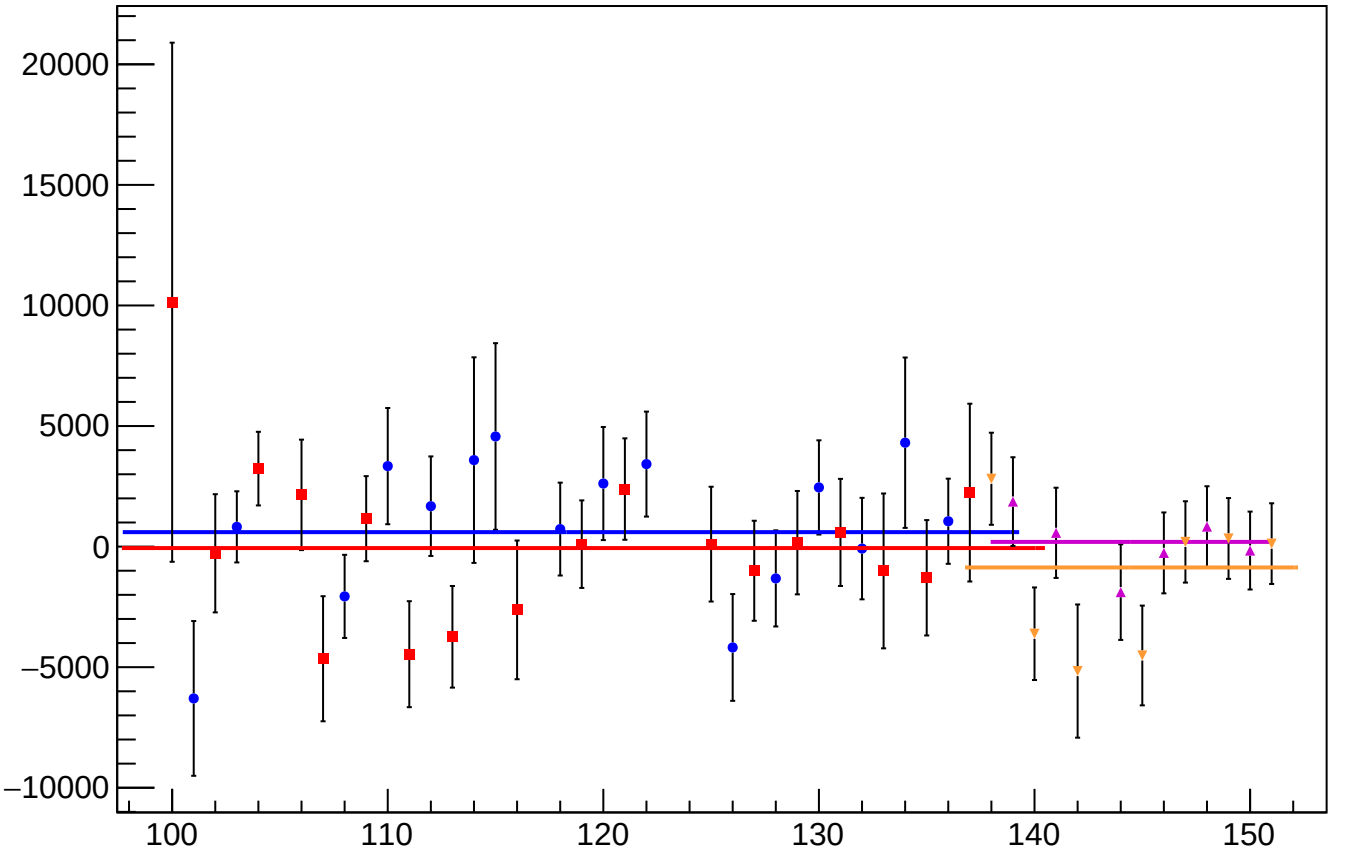
Left: 468.455+/-0.102 χ^2/NDF: 80121.8/12

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 527.729+/-0.116 χ^2/NDF:4258404.4/21

Out: 479.833+/-0.108 χ^2/NDF:4398392.9/24

All: 501.992+/-0.079 χ^2/NDF: 8747940.0/46



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -865.083+/-711.494 χ^2/NDF:12.6/6

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 194.849+/-719.511 χ^2/NDF:2.2/5

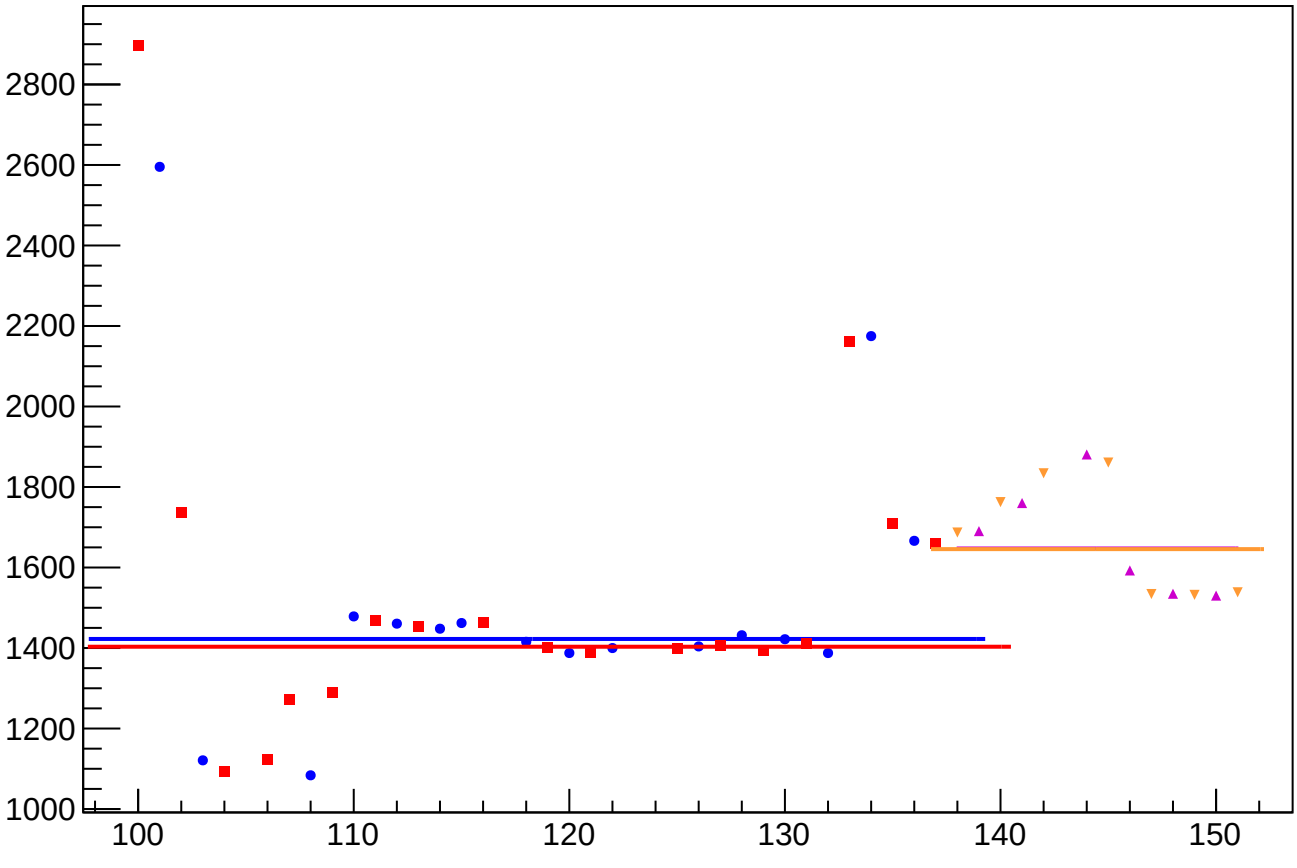
Left: -341.055+/-505.913 χ^2/NDF: 15.9/12

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 454.013+/-431.921 χ^2/NDF:22.8/21

Out: -349.509+/-426.490 χ^2/NDF:33.7/24

All: 47.168+/-303.476 χ^2/NDF: 58.3/46



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1645.683+/-0.503 χ^2/NDF:65441.4/6

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1647.323+/-0.509 χ^2/NDF:57797.8/5

Left: 1646.494+/-0.358 χ^2/NDF: 123244.5/12

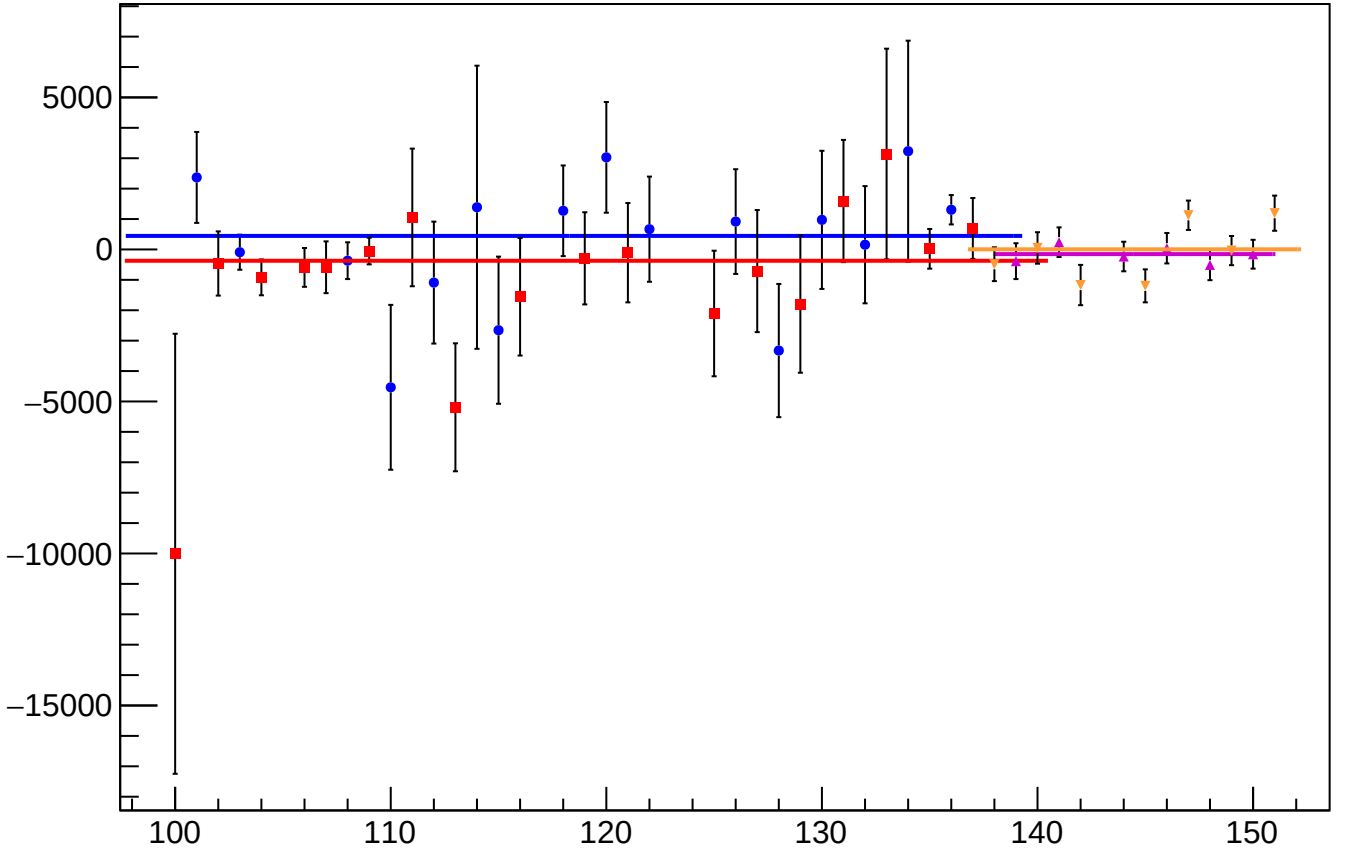
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1503.526+/-0.305 χ^2/NDF:742944.4/21

Out: 1490.340+/-0.302 χ^2/NDF:573363.2/24

All: 1496.850+/-0.215 χ^2/NDF: 1317251.4/46

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: 4.330+/-203.048 χ^2/NDF:18.4/6

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -153.437+/-205.332 χ^2/NDF:1.5/5

Left: -73.671+/-144.377 χ^2/NDF: 20.2/12

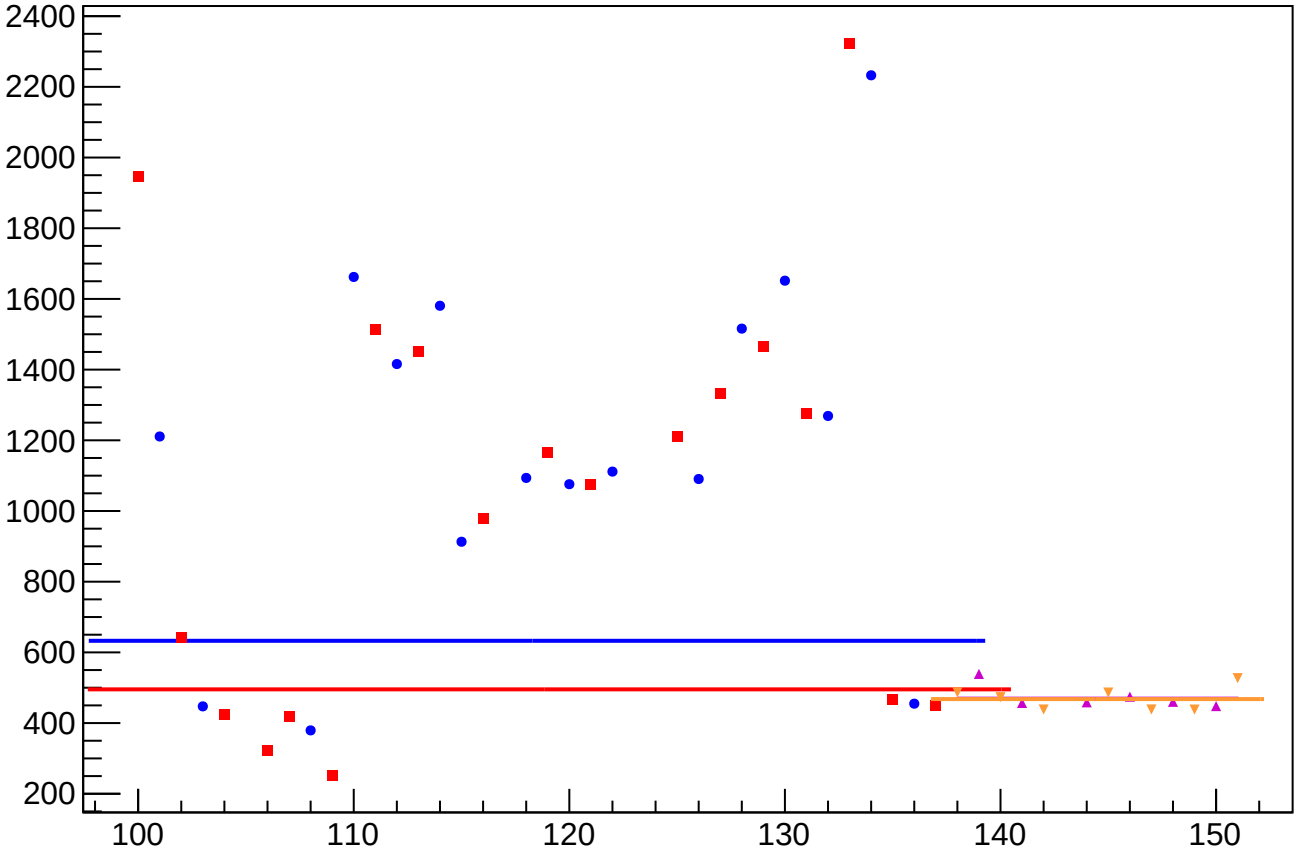
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 61.078+/-164.472 χ^2/NDF:23.7/21

Out: -159.652+/-152.608 χ^2/NDF:33.9/24

All: -57.534+/-111.870 χ^2/NDF: 58.6/46

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: 467.857+/-0.144 χ^2/NDF:44919.0/6

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 469.067+/-0.145 χ^2/NDF:35167.7/5

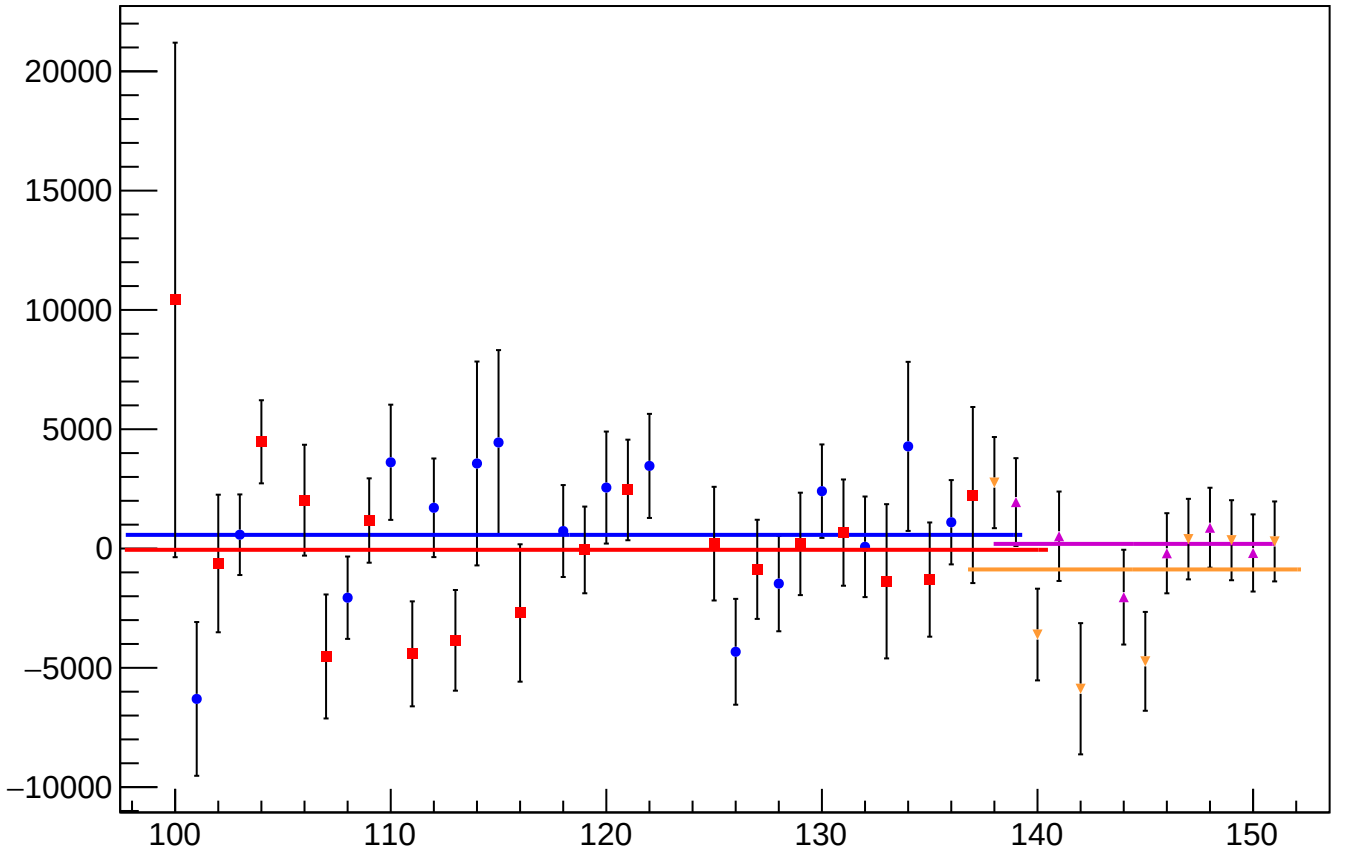
Left: 468.455+/-0.102 χ^2/NDF: 80121.8/12

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 527.729+/-0.116 χ^2/NDF:4258404.4/21

Out: 479.833+/-0.108 χ^2/NDF:4398392.9/24

All: 501.992+/-0.079 χ^2/NDF: 8747940.0/46



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -876.573+/-712.011 χ^2/NDF:14.0/6

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 194.214+/-720.368 χ^2/NDF:2.5/5

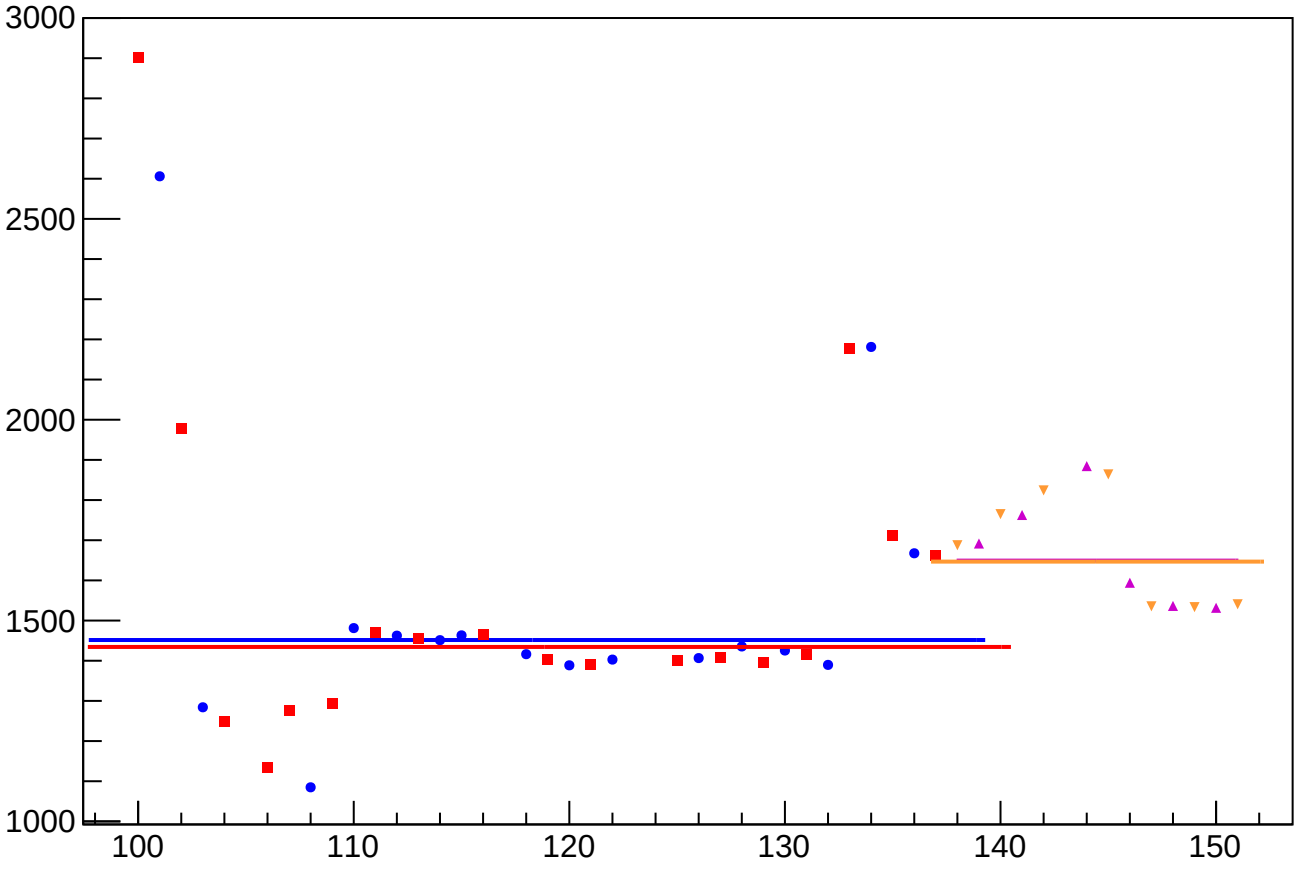
Left: -347.427+/-506.397 χ^2/NDF: 17.6/12

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 433.175+/-436.970 χ^2/NDF:23.4/21

Out: -357.985+/-432.949 χ^2/NDF:37.4/24

All: 33.938+/-307.553 χ^2/NDF: 62.4/46



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1646.773+/-0.503 χ^2/NDF:64630.1/6

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1649.233+/-0.509 χ^2/NDF:58256.6/5

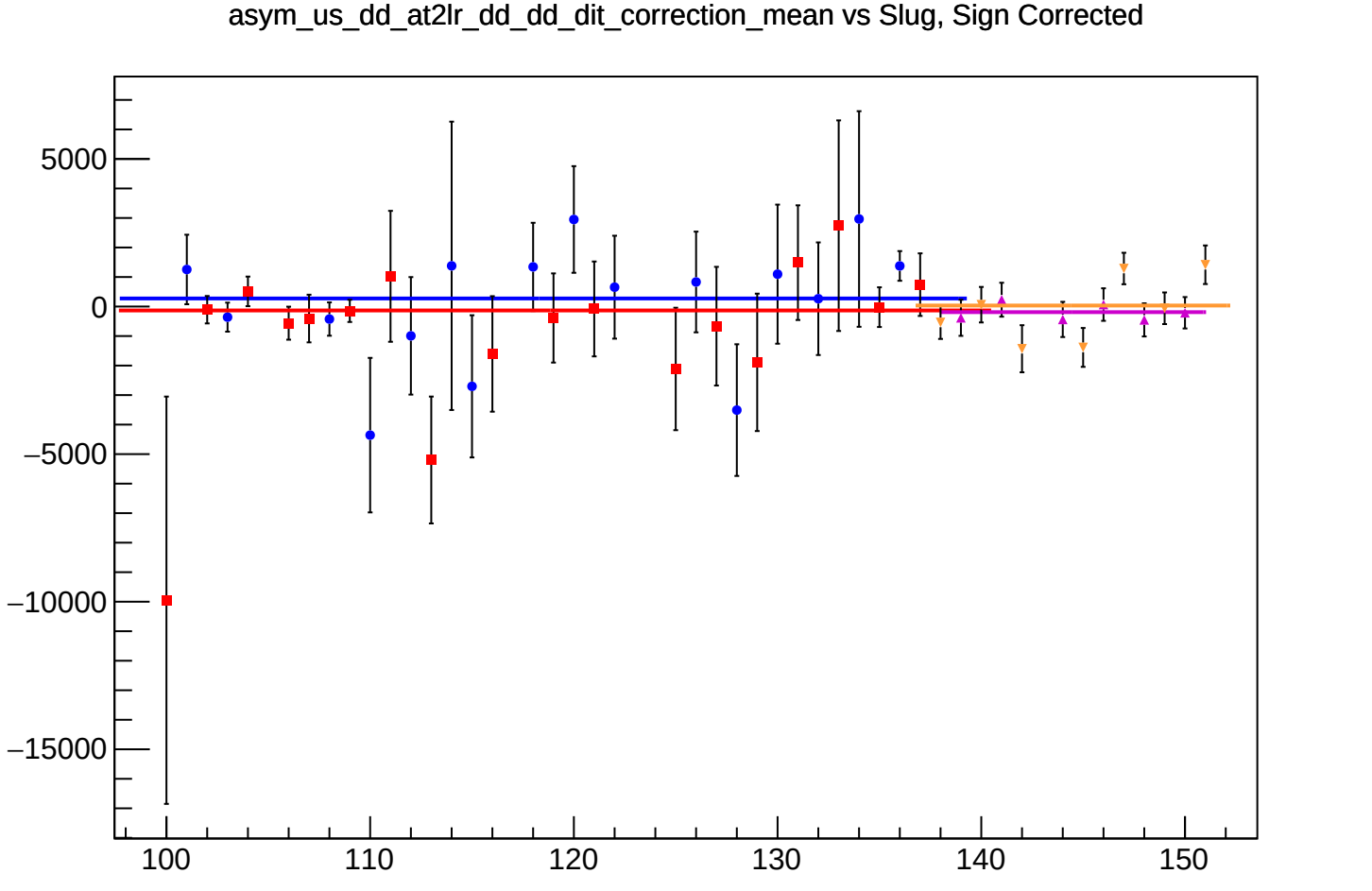
Left: 1647.989+/-0.358 χ^2/NDF: 122898.5/12

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1524.307+/-0.309 χ^2/NDF:641259.6/21

Out: 1512.874+/-0.306 χ^2/NDF:505447.7/24

All: 1518.537+/-0.217 χ^2/NDF: 1147398.1/46



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 33.934+/-228.399 χ^2/NDF:19.1/6

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -189.875+/-232.410 χ^2/NDF:1.2/5

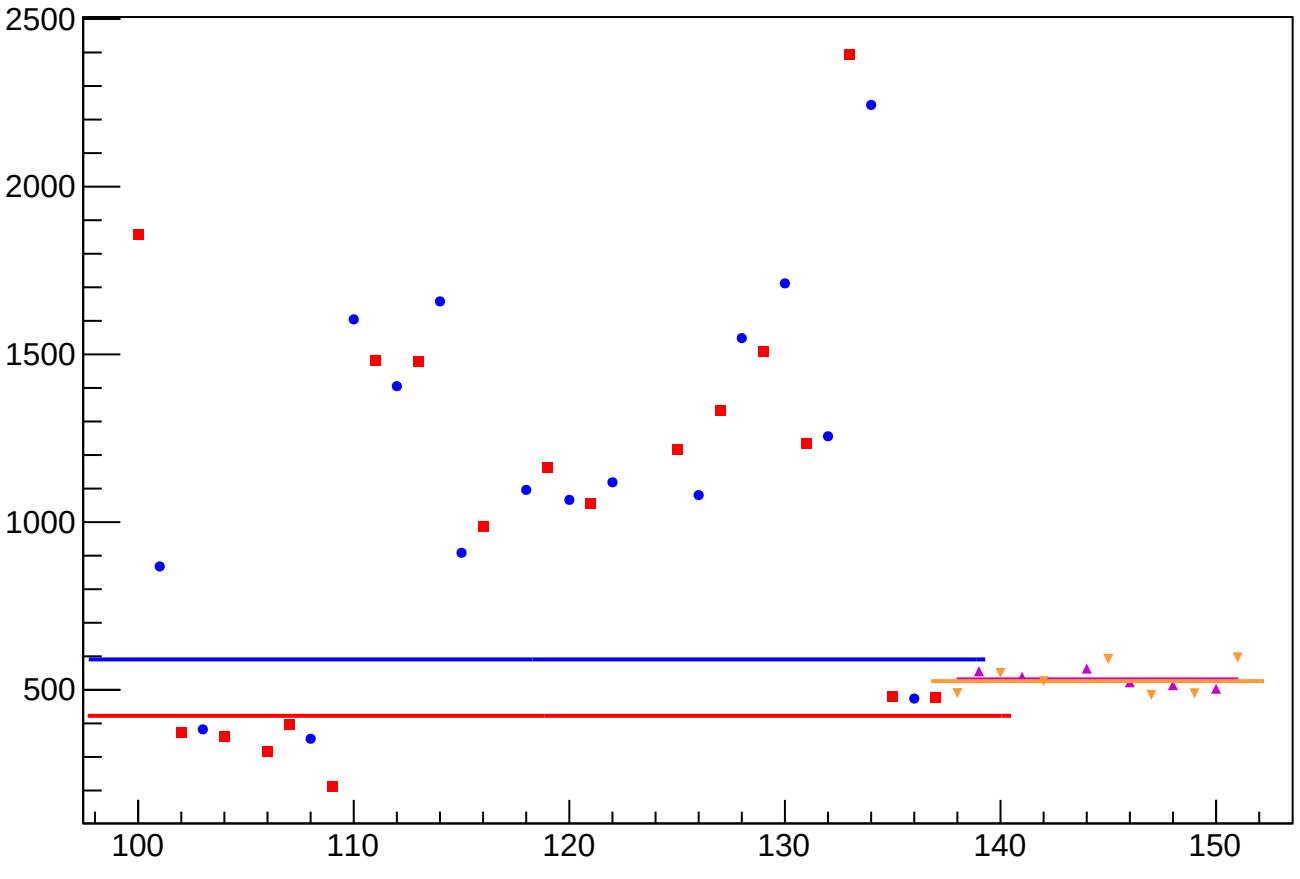
Left: -76.023+/-162.902 χ^2/NDF: 20.8/12

Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 15.432+/-173.433 χ^2/NDF:23.2/21

Out: -61.985+/-148.711 χ^2/NDF:33.8/24

All: -29.183+/-112.893 χ^2/NDF: 57.1/46



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 526.016+/-0.162 χ^2/NDF:76034.7/6

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 531.214+/-0.164 χ^2/NDF:17134.2/5

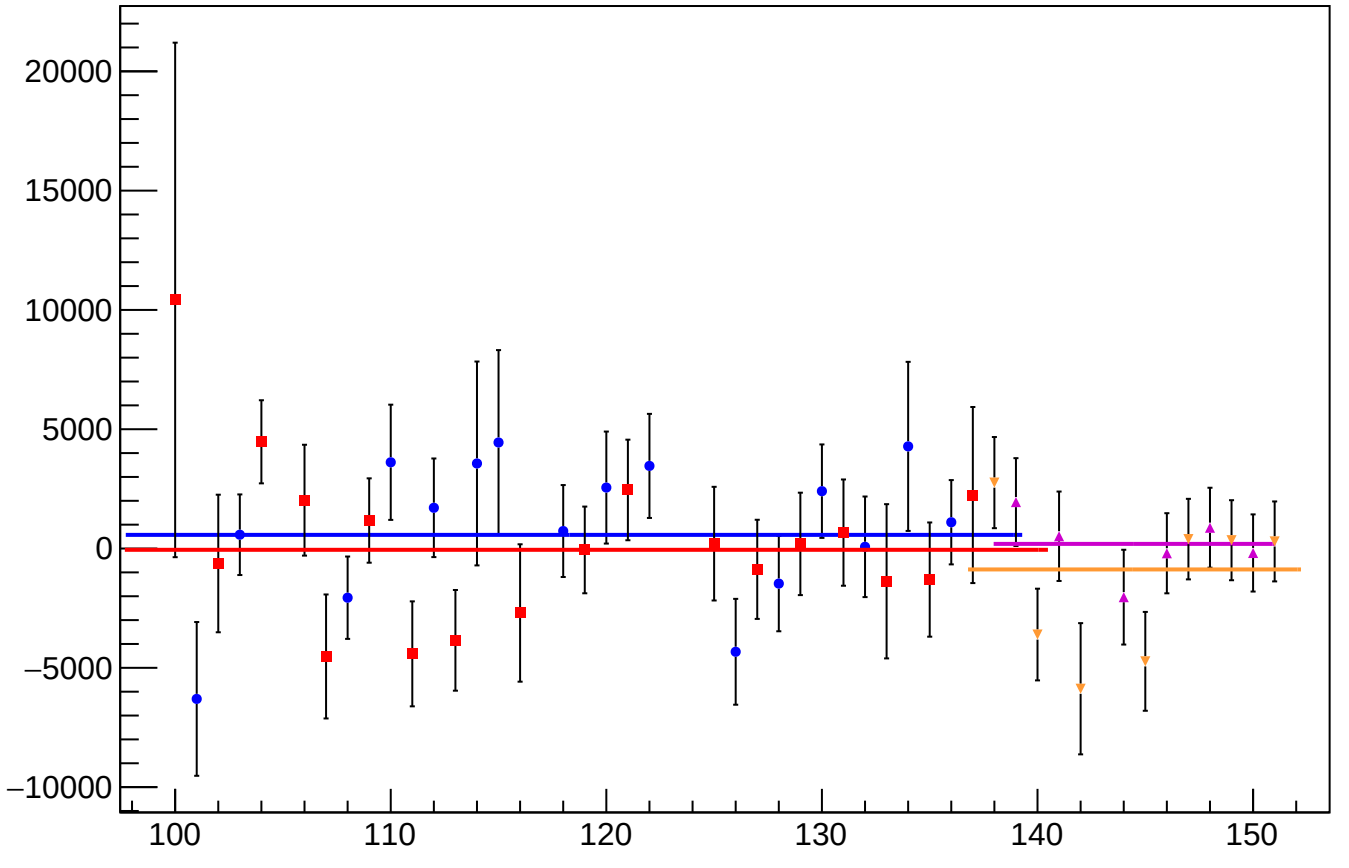
Left: 528.570+/-0.115 χ^2/NDF: 93677.9/12

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 557.596+/-0.123 χ^2/NDF:3960791.8/21

Out: 466.458+/-0.105 χ^2/NDF:5170121.7/24

All: 505.074+/-0.080 χ^2/NDF: 9449187.5/46



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -876.580+/-712.011 χ^2/NDF:14.0/6

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 194.209+/-720.368 χ^2/NDF:2.5/5

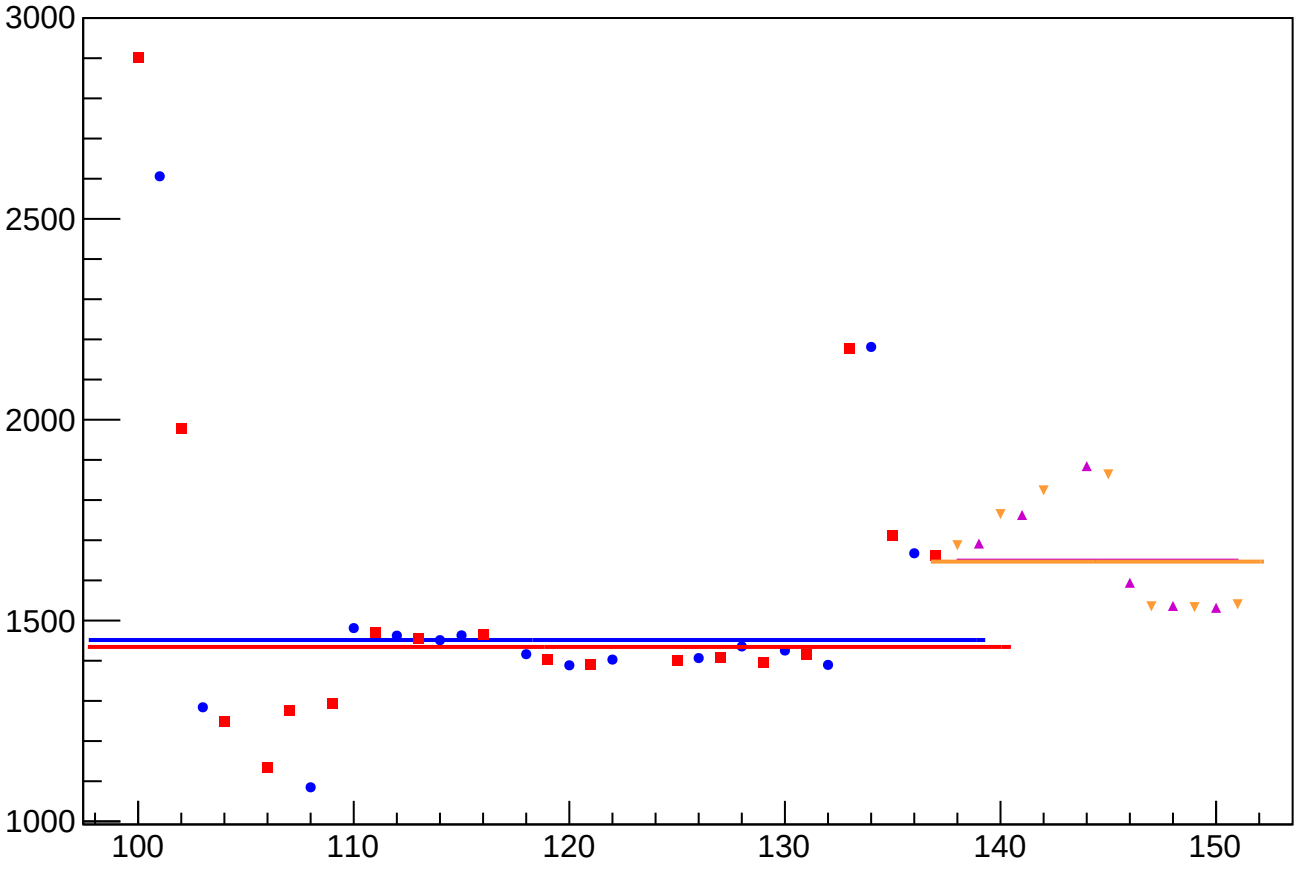
Left: -347.433+/-506.397 χ^2/NDF: 17.6/12

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 433.174+/-436.969 χ^2/NDF:23.4/21

Out: -357.987+/-432.949 χ^2/NDF:37.4/24

All: 33.937+/-307.553 χ^2/NDF: 62.4/46



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1646.773+/-0.503 χ^2/NDF:64630.3/6

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1649.233+/-0.509 χ^2/NDF:58256.8/5

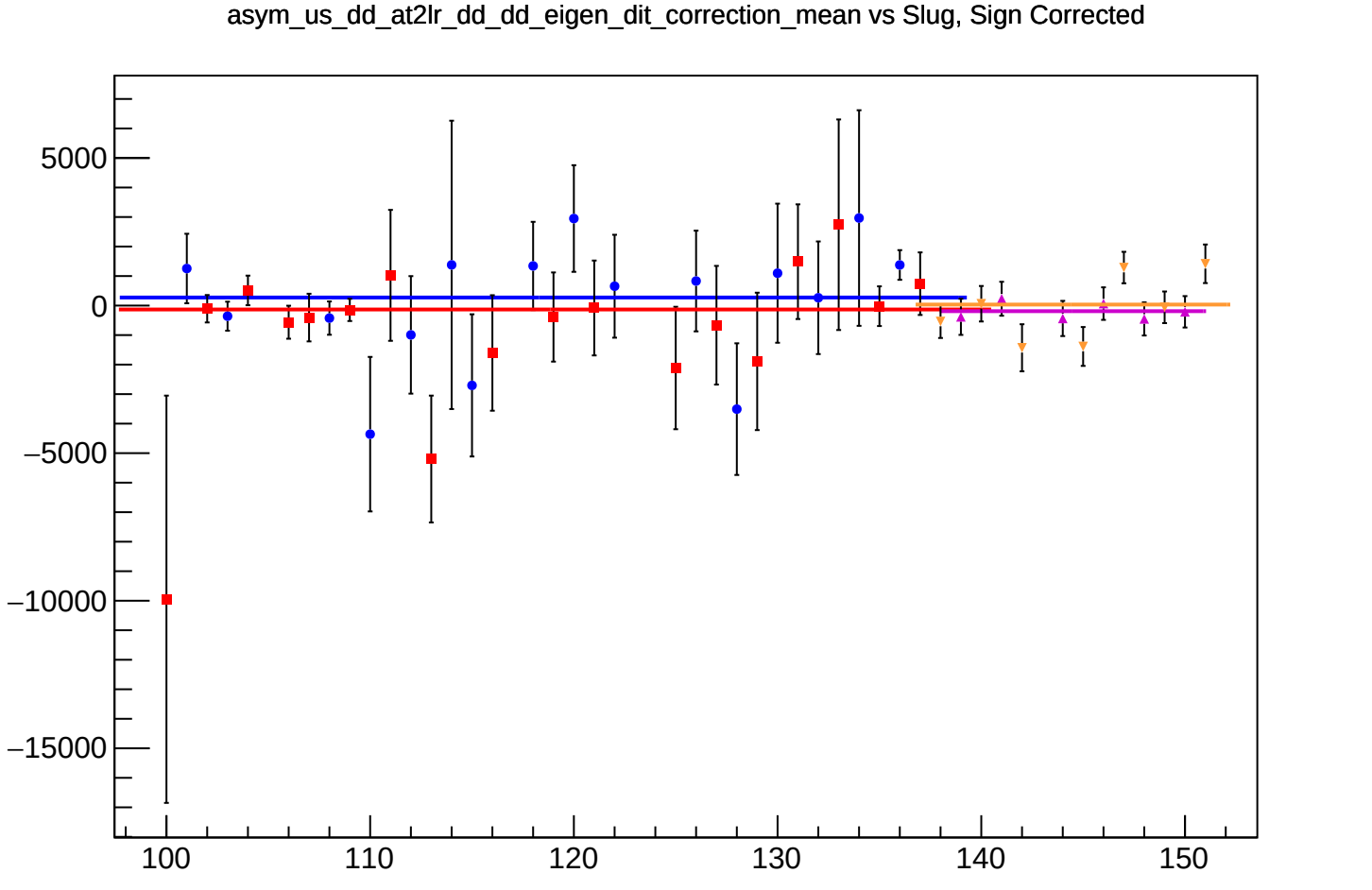
Left: 1647.989+/-0.358 χ^2/NDF: 122898.9/12

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1524.307+/-0.309 χ^2/NDF:641259.2/21

Out: 1512.874+/-0.306 χ^2/NDF:505448.0/24

All: 1518.537+/-0.217 χ^2/NDF: 1147398.1/46



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 33.947+/-228.401 χ^2/NDF:19.1/6

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -189.881+/-232.410 χ^2/NDF:1.2/5

Left: -76.020+/-162.903 χ^2/NDF: 20.8/12

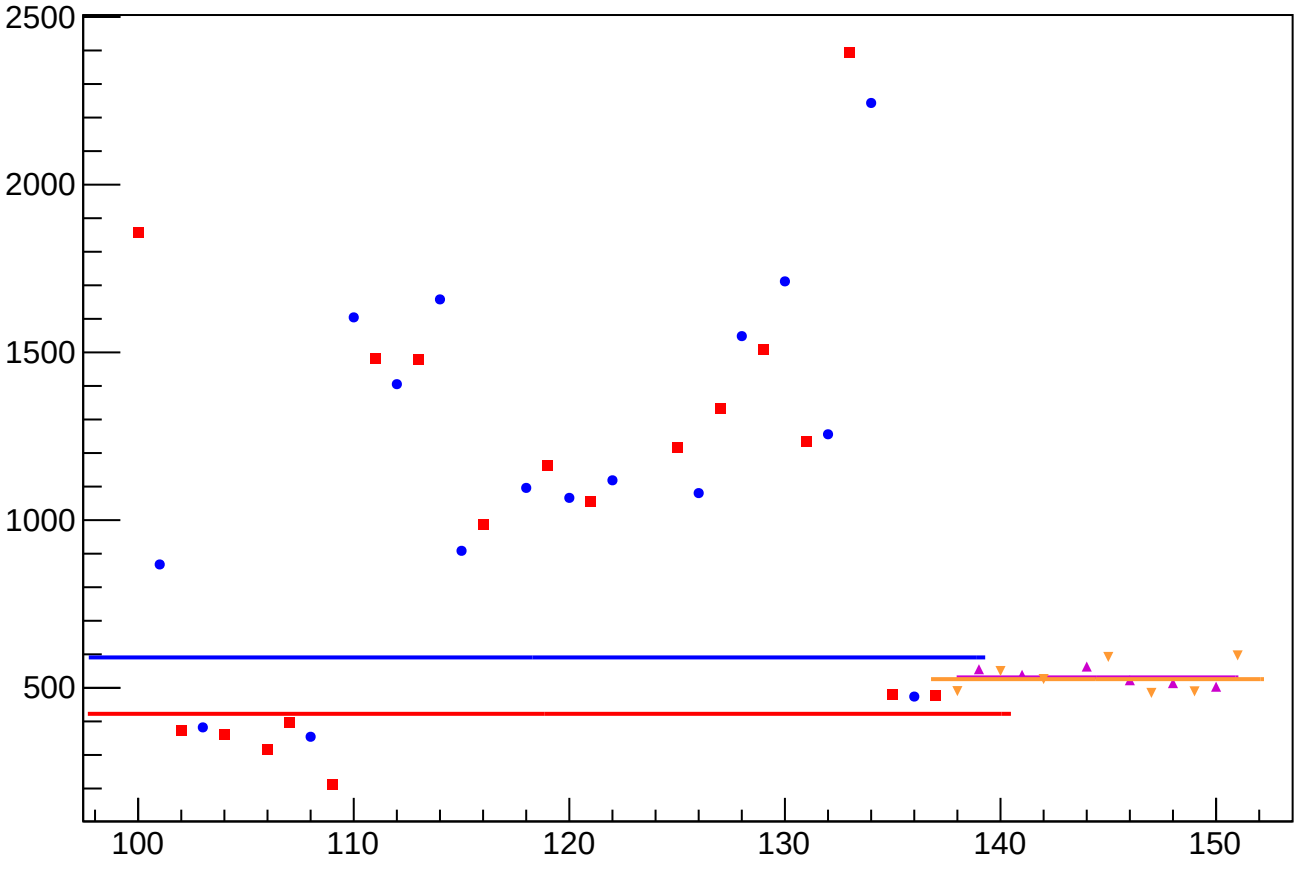
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 15.425+/-173.433 χ^2/NDF:23.2/21

Out: -61.976+/-148.712 χ^2/NDF:33.8/24

All: -29.180+/-112.893 χ^2/NDF: 57.2/46

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: 526.020+/-0.162 χ^2/NDF:76033.4/6

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 531.215+/-0.164 χ^2/NDF:17147.0/5

Left: 528.572+/-0.115 χ^2/NDF: 93688.7/12

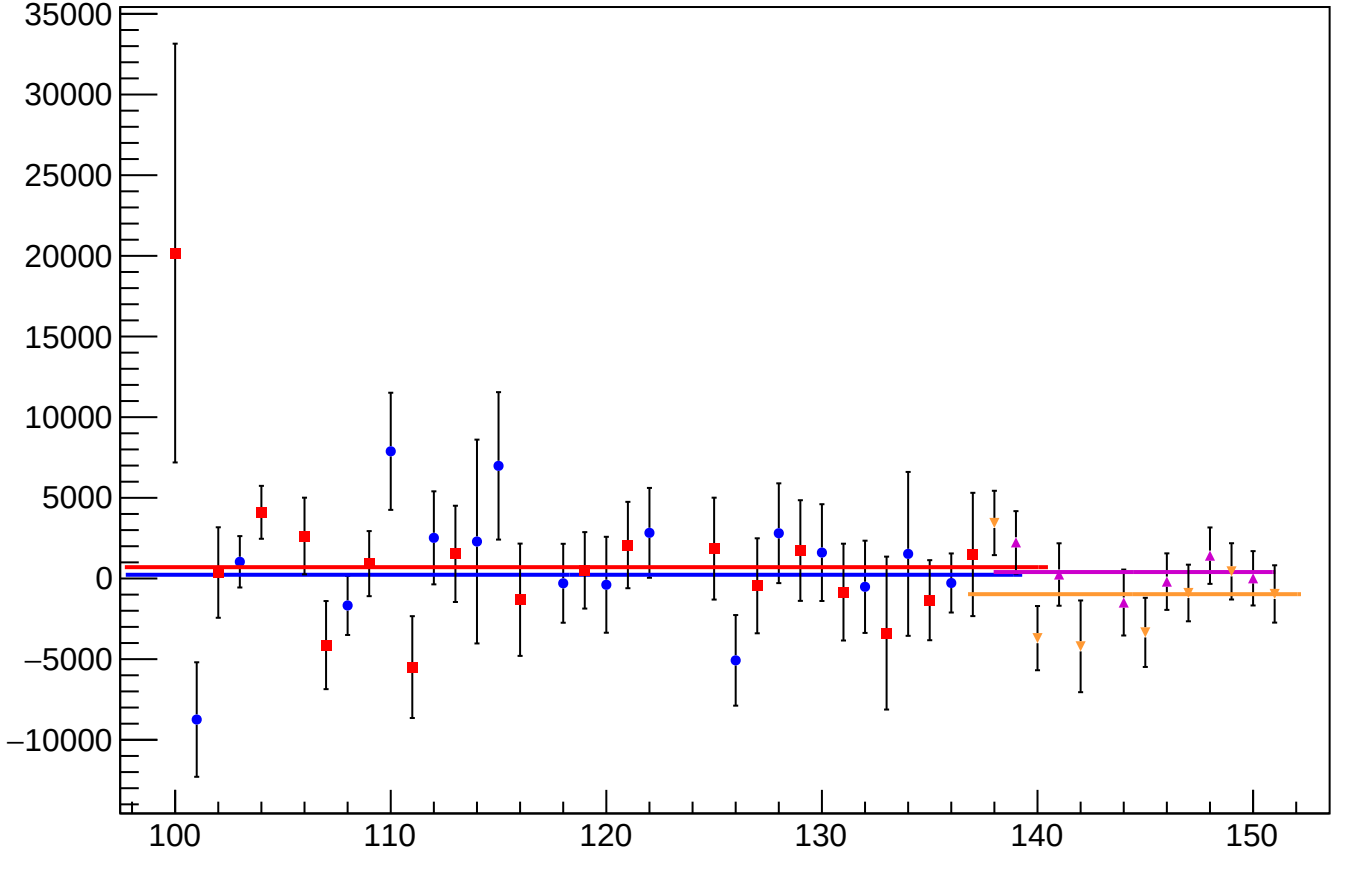
Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 557.595+/-0.123 χ^2/NDF:3960828.5/21

Out: 466.463+/-0.105 χ^2/NDF:5170027.2/24

All: 505.077+/-0.080 χ^2/NDF: 9449090.6/46

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -971.886+/-742.221 χ^2/NDF:9.9/6

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 399.751+/-749.767 χ^2/NDF:2.3/5

Left: -293.004+/-527.477 χ^2/NDF: 13.9/12

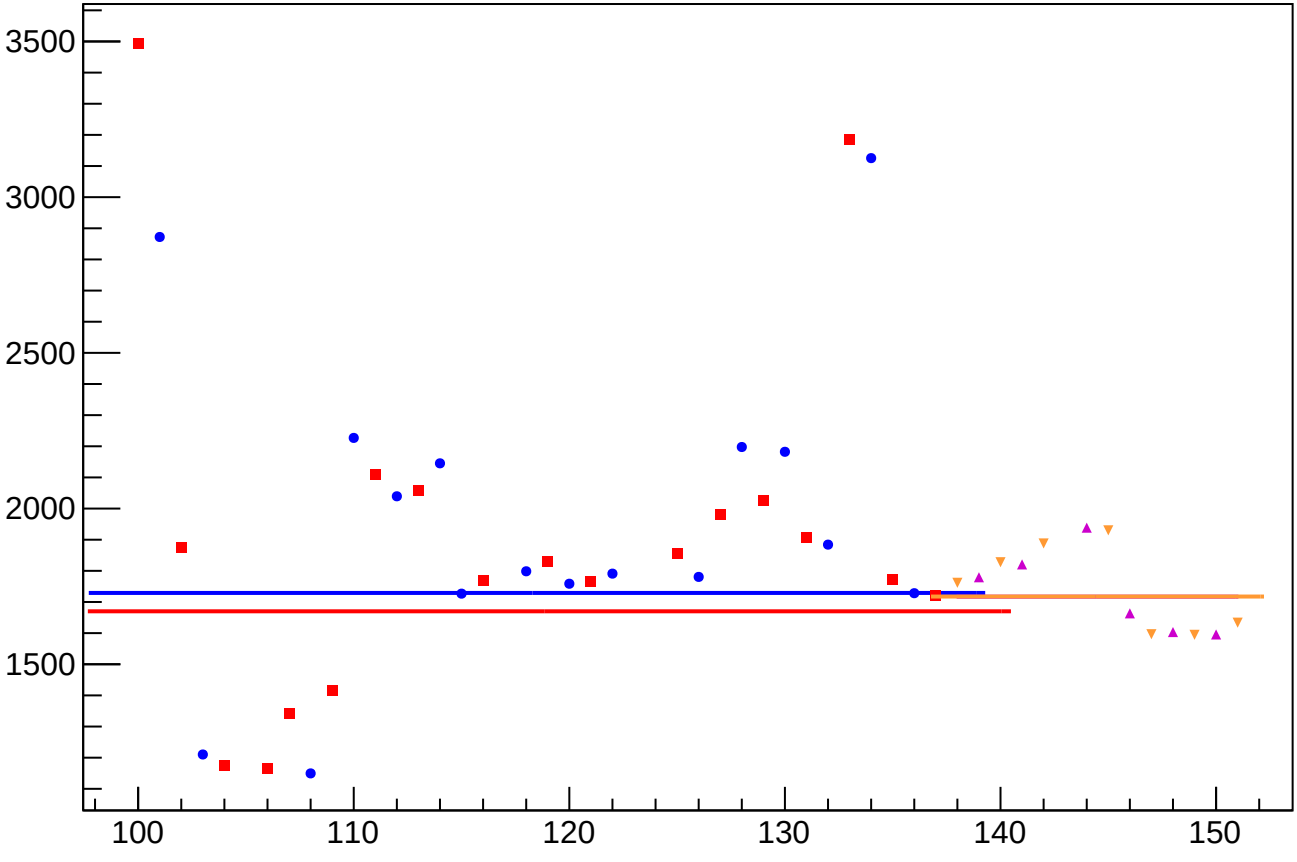
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 305.322+/-498.027 χ^2/NDF:23.0/21

Out: -22.268+/-488.276 χ^2/NDF:29.9/24

All: 138.289+/-348.660 χ^2/NDF: 53.1/46

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: 1717.475+/-0.525 χ^2/NDF:57866.7/6

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1717.066+/-0.530 χ^2/NDF:52026.2/5

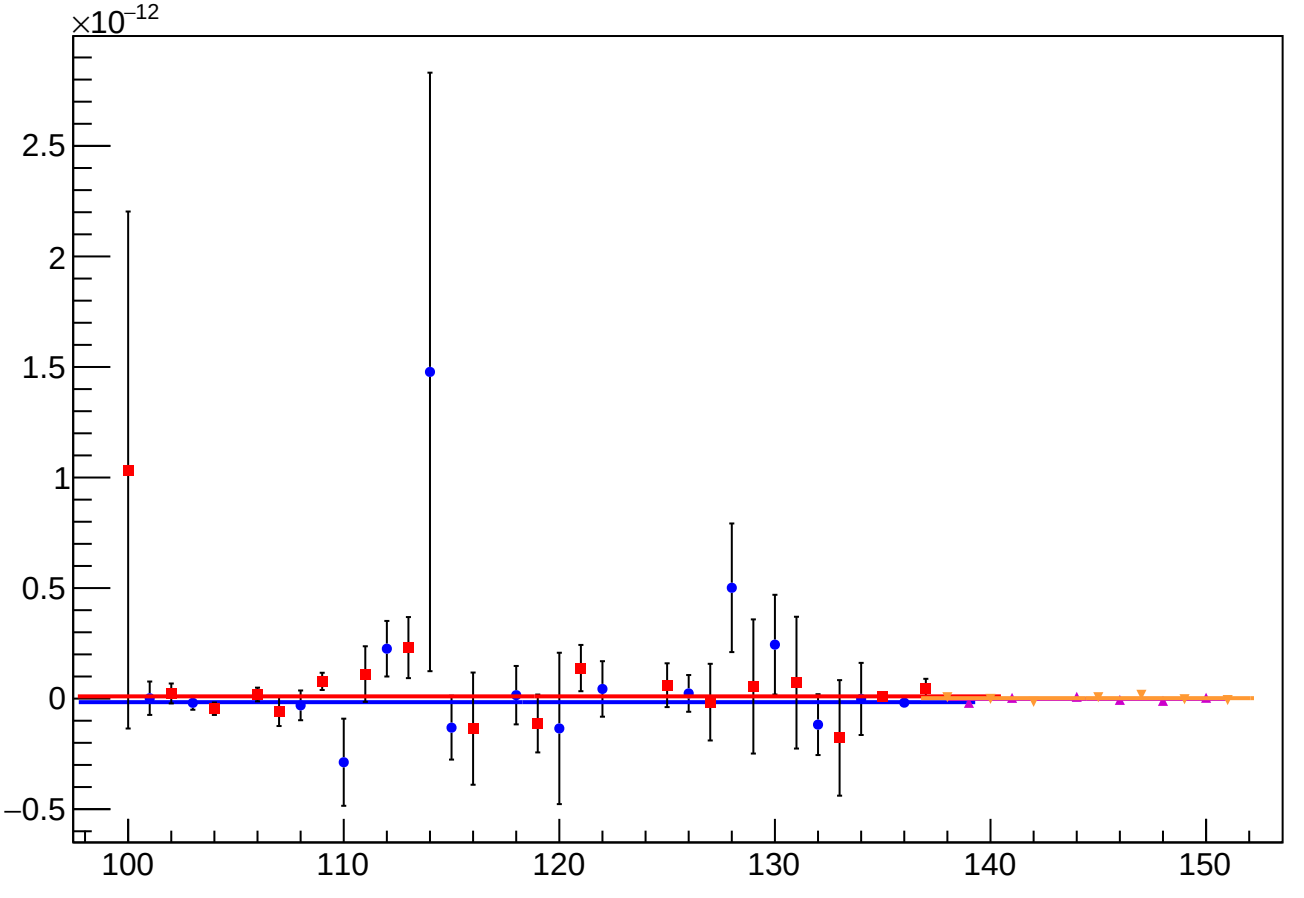
Left: 1717.272+/-0.373 χ^2/NDF: 109893.2/12

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1723.762+/-0.352 χ^2/NDF:994390.8/21

Out: 1690.578+/-0.345 χ^2/NDF:806949.1/24

All: 1706.842+/-0.247 χ^2/NDF: 1805867.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: -0.000+/-0.000 χ^2/NDF:2.5/5

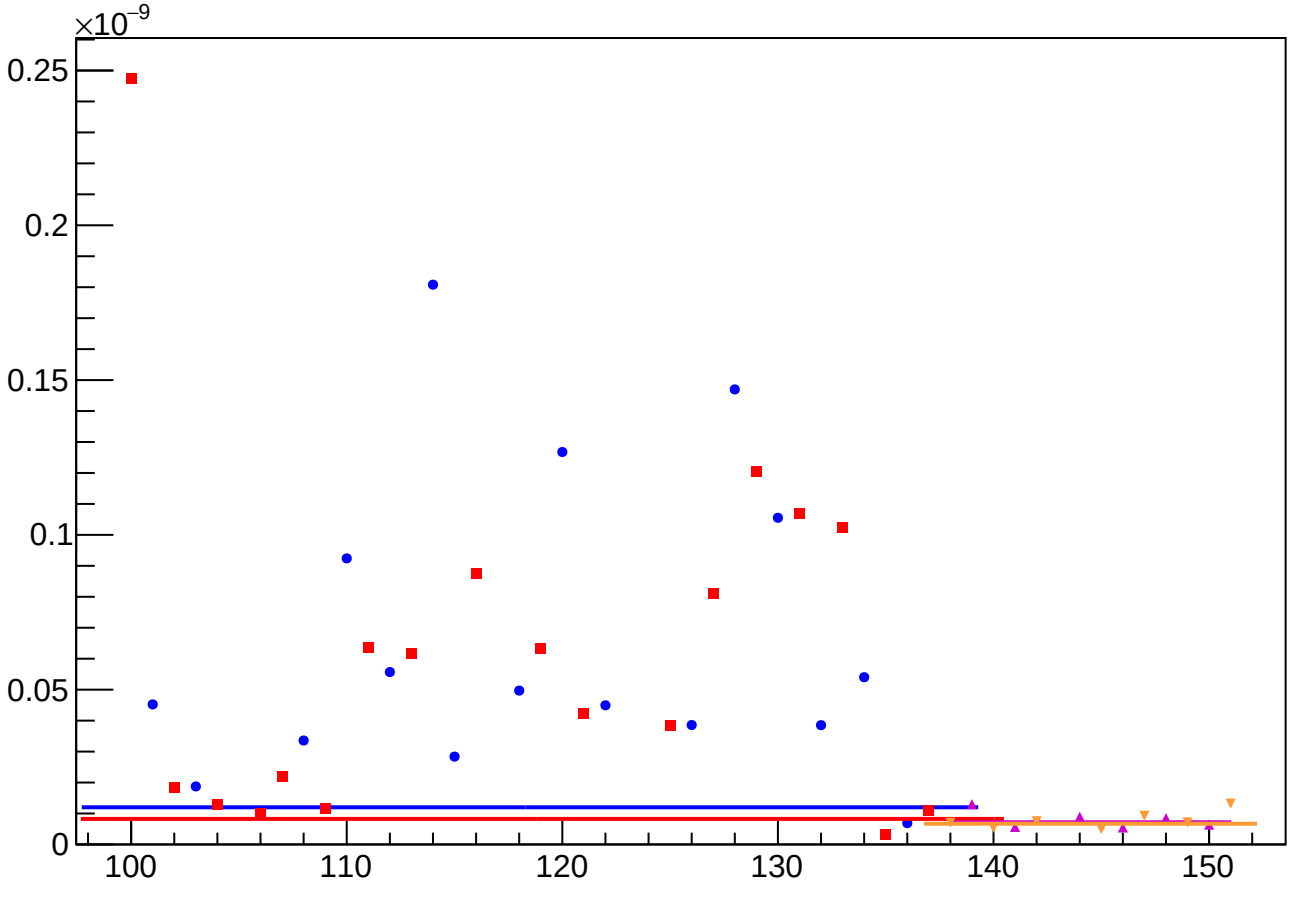
Left: 0.000+/-0.000 χ^2/NDF: 5.3/12

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:17.5/21

Out: 0.000+/-0.000 χ^2/NDF:19.7/24

All: 0.000+/-0.000 χ^2/NDF: 38.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:382143.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:384091.2/5

Left: 0.000+/-0.000 χ^2/NDF: 775747.4/12

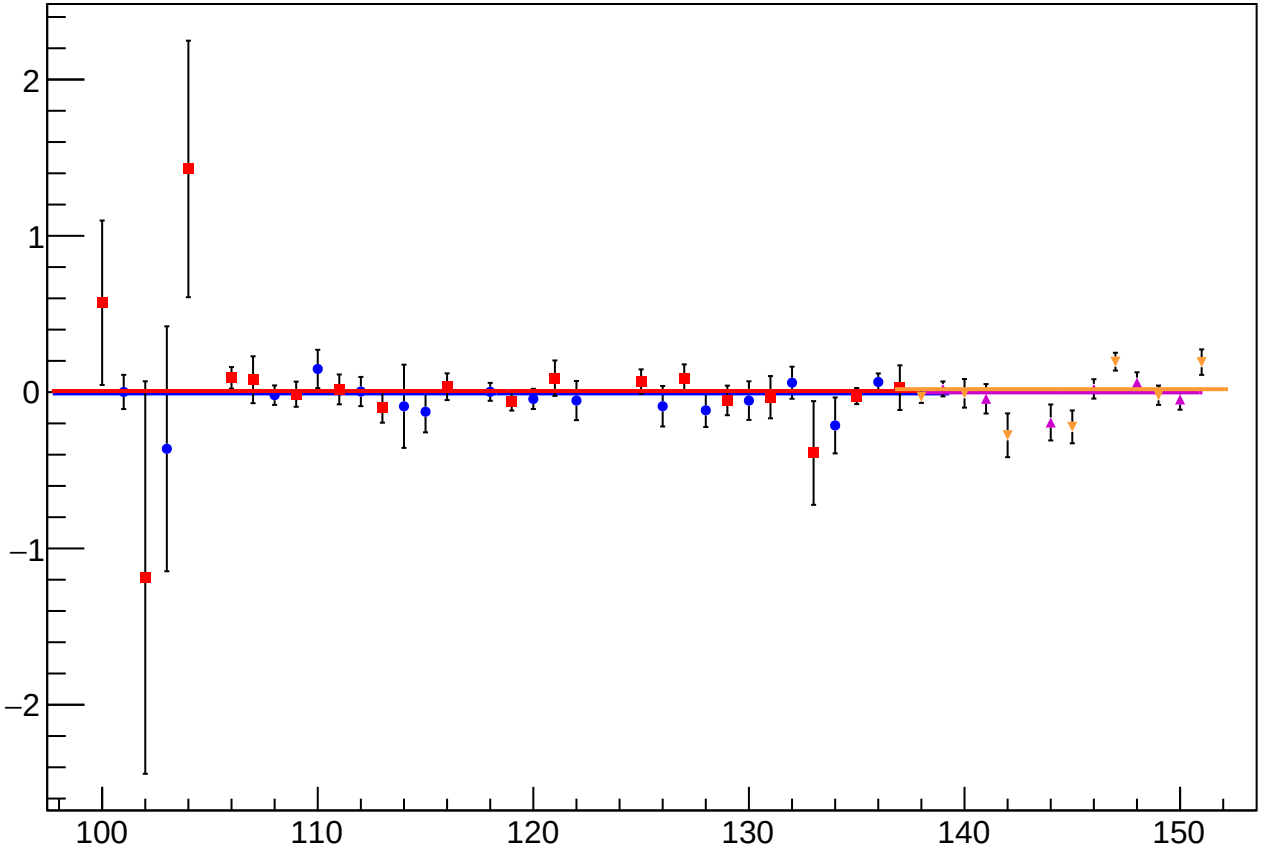
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4169886.1/21

Out: 0.000+/-0.000 χ^2/NDF:3941621.9/24

All: 0.000+/-0.000 χ^2/NDF: 8167610.0/46

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: 0.019+/-0.025 χ^2/NDF:25.6/6

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.002+/-0.027 χ^2/NDF:4.7/5

Left: 0.010+/-0.018 χ^2/NDF: 30.6/12

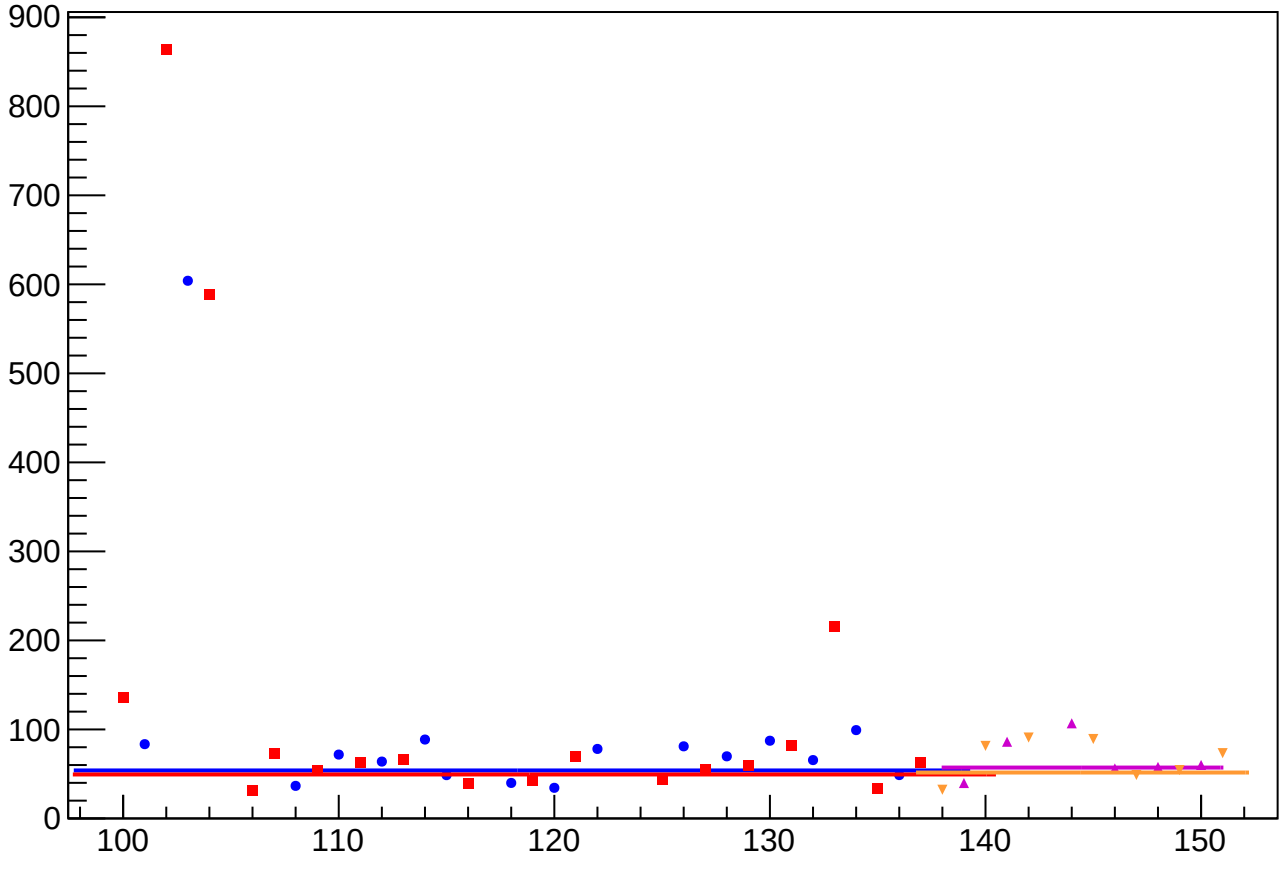
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.018 χ^2/NDF:13.0/21

Out: 0.012+/-0.017 χ^2/NDF:39.4/24

All: 0.004+/-0.012 χ^2/NDF: 53.0/46

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: 51.594+/-0.018 χ^2/NDF:1247992.4/6

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 57.158+/-0.019 χ^2/NDF:834913.1/5

Left: 54.134+/-0.013 χ^2/NDF: 2128331.0/12

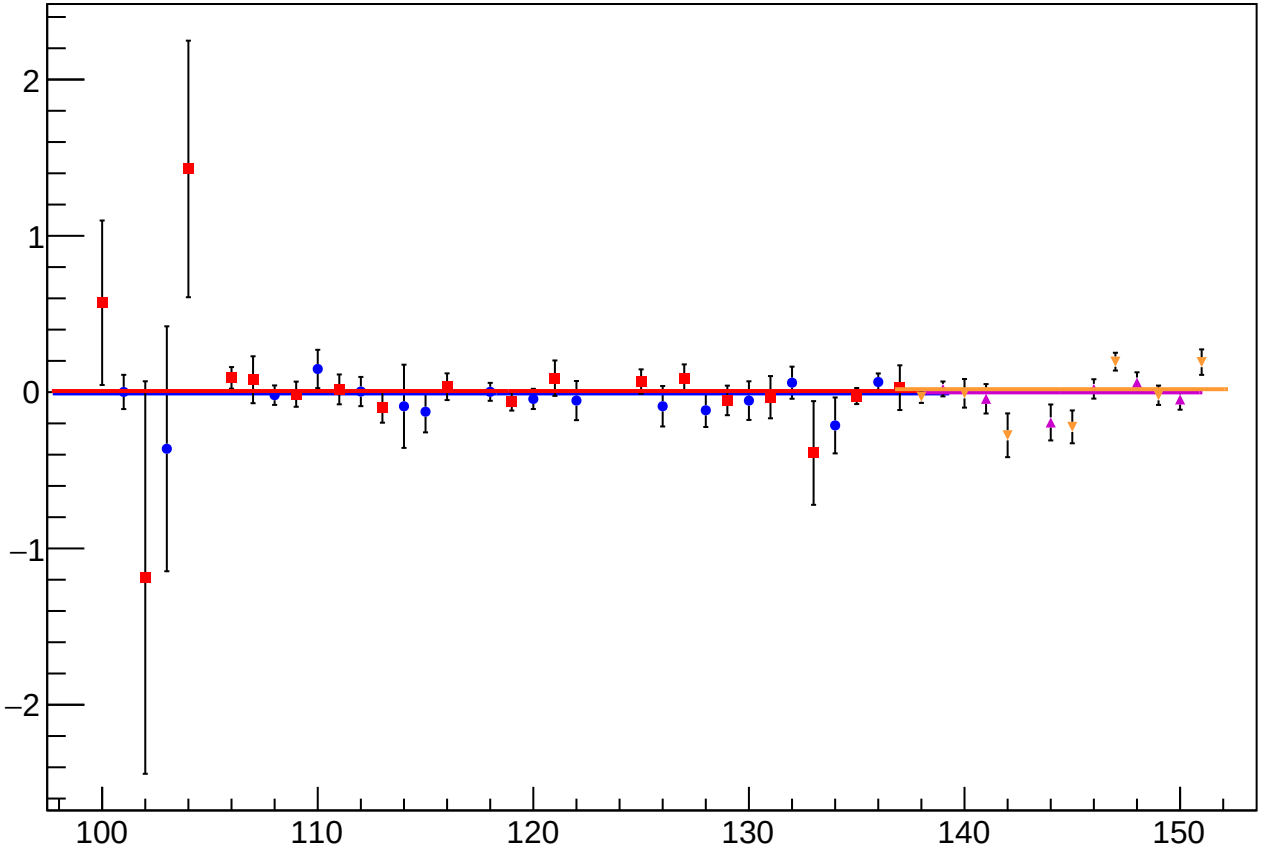
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 55.280+/-0.012 χ^2/NDF:3065648.7/21

Out: 50.382+/-0.012 χ^2/NDF:4274184.2/24

All: 52.685+/-0.009 χ^2/NDF: 7421767.9/46

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: 0.019+/-0.025 χ^2/NDF:25.6/6

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.002+/-0.027 χ^2/NDF:4.7/5

Left: 0.010+/-0.018 χ^2/NDF: 30.6/12

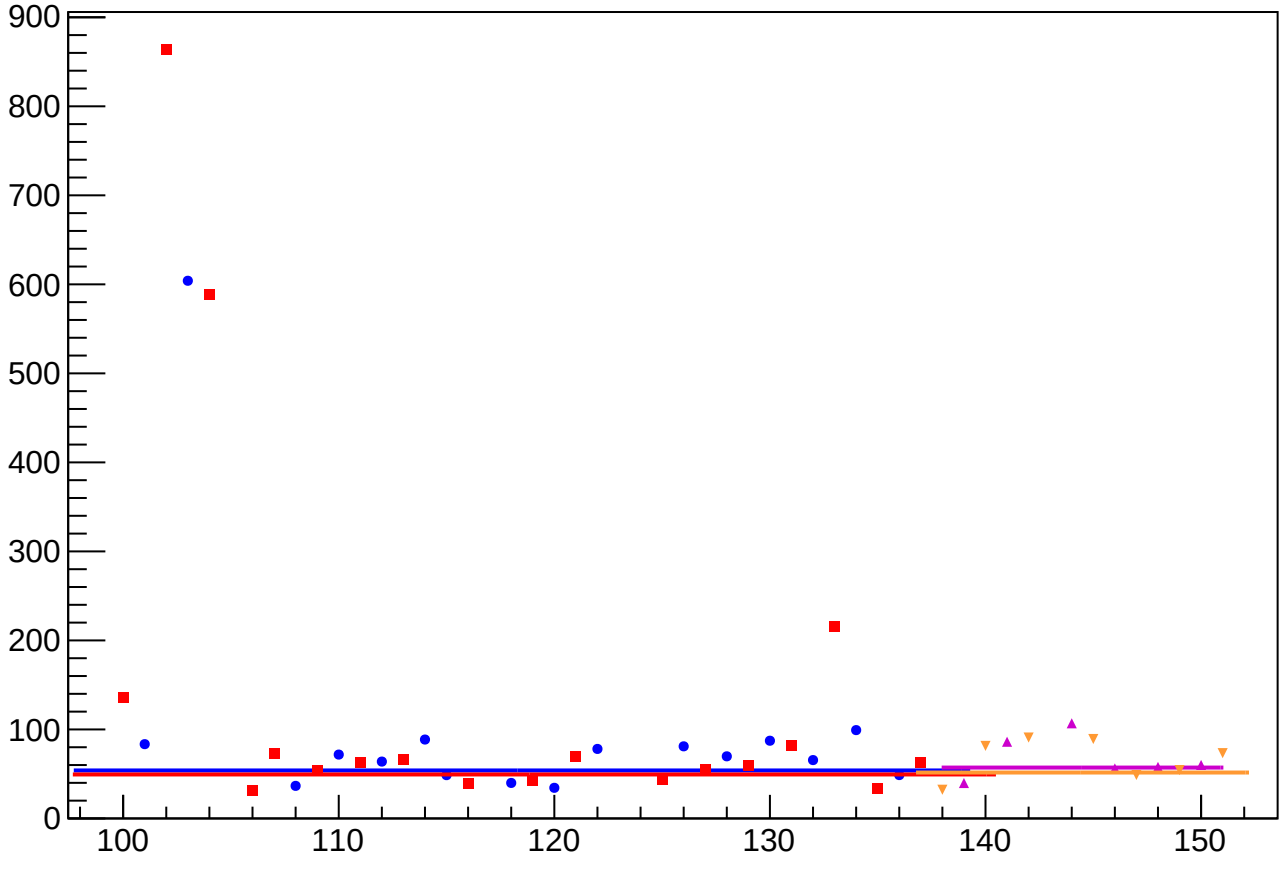
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.018 χ^2/NDF:13.0/21

Out: 0.012+/-0.017 χ^2/NDF:39.4/24

All: 0.004+/-0.012 χ^2/NDF: 53.0/46

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: 51.594+/-0.018 χ^2/NDF:1247992.4/6

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 57.158+/-0.019 χ^2/NDF:834913.1/5

Left: 54.134+/-0.013 χ^2/NDF: 2128331.0/12

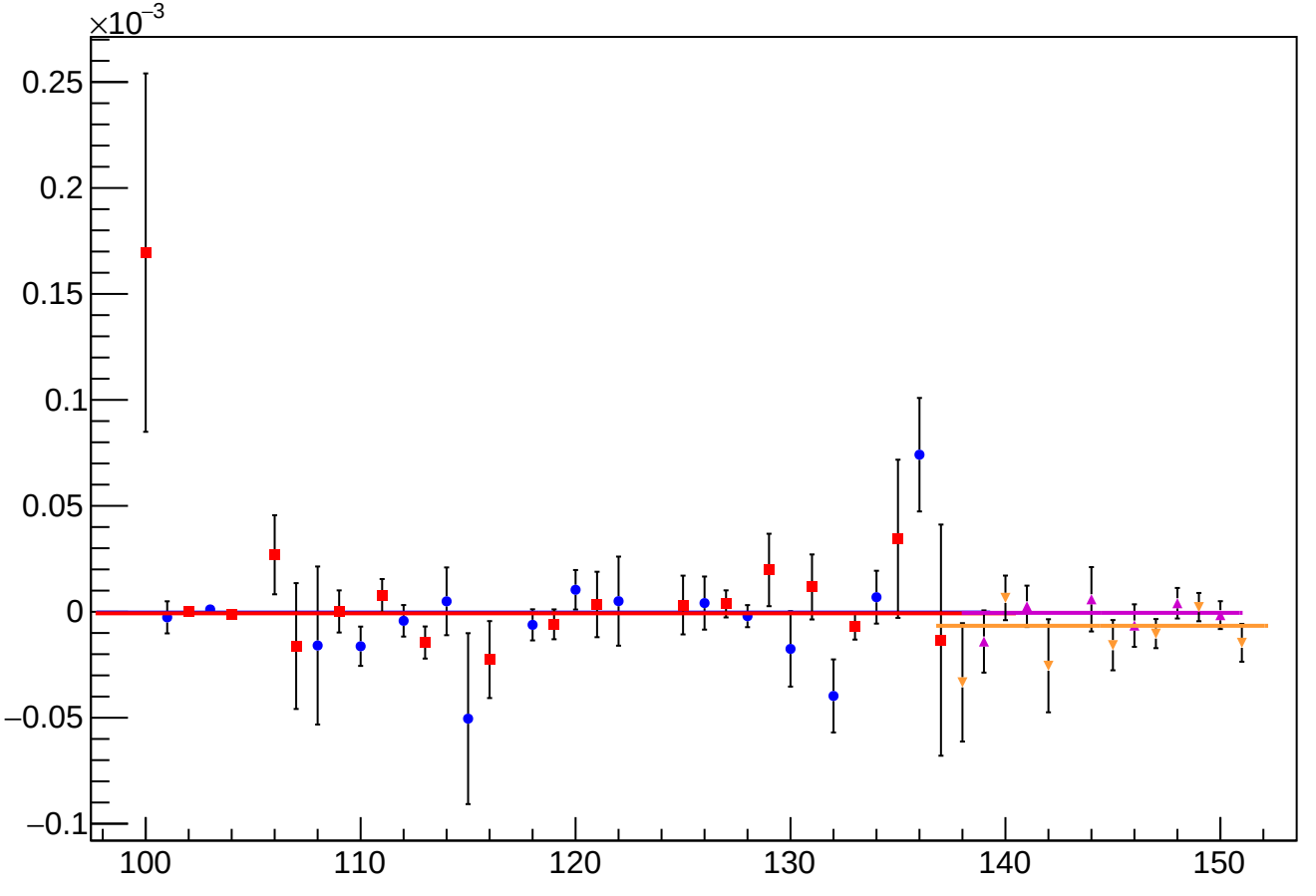
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 55.280+/-0.012 χ^2/NDF:3065648.7/21

Out: 50.382+/-0.012 χ^2/NDF:4274184.2/24

All: 52.685+/-0.009 χ^2/NDF: 7421767.9/46

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:6.7/6

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/5

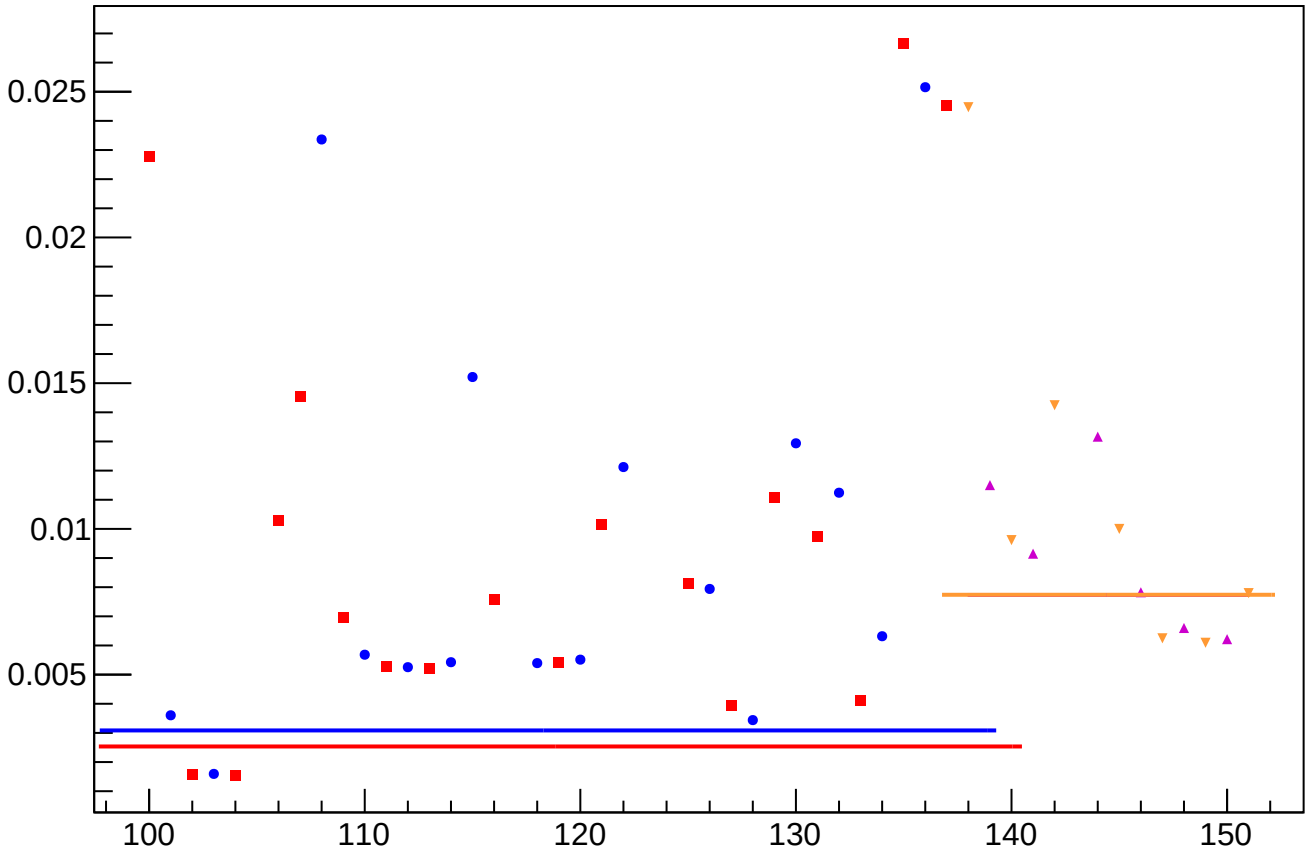
Left: -0.000+/-0.000 χ^2/NDF: 9.9/12

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

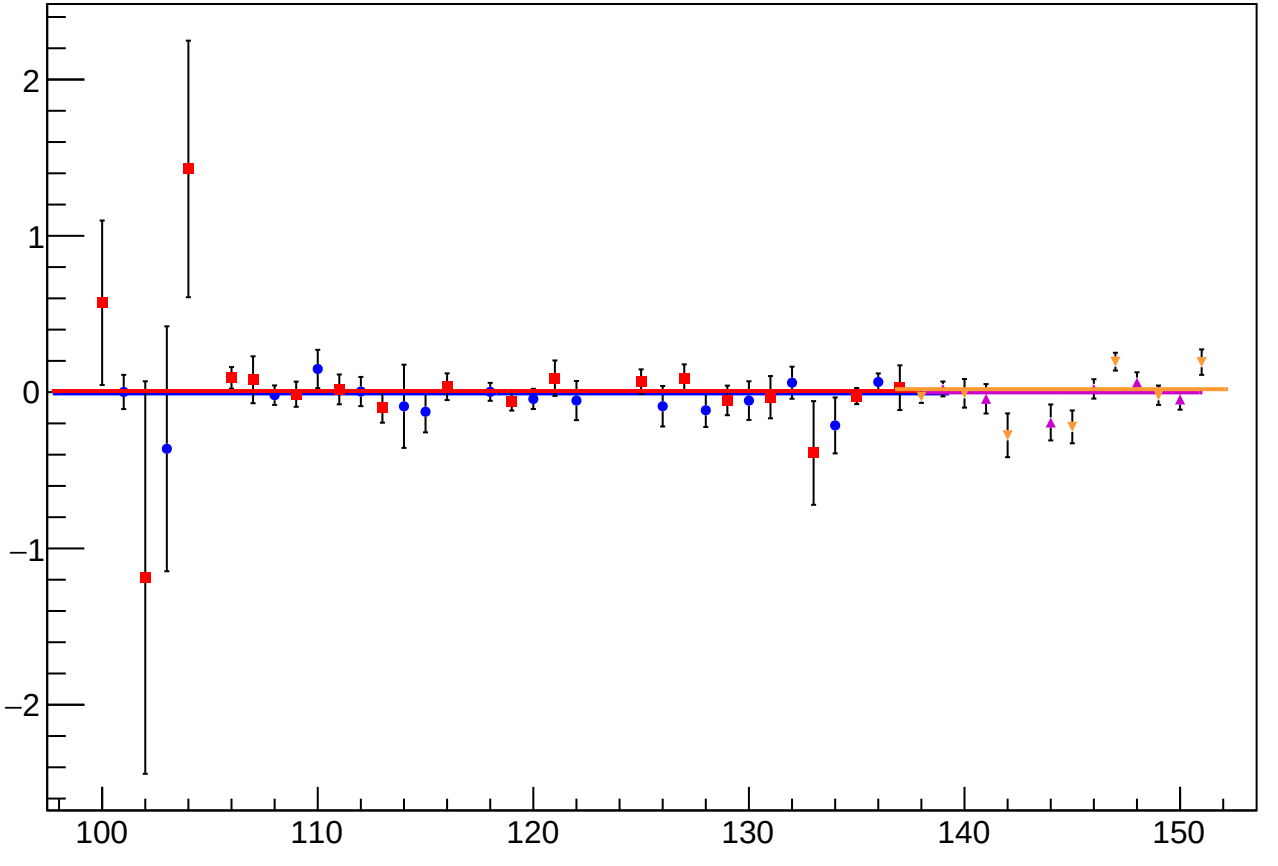
In: -0.000+/-0.000 χ^2/NDF:24.0/21

Out: -0.000+/-0.000 χ^2/NDF:26.8/24

All: -0.000+/-0.000 χ^2/NDF: 51.1/46


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
150
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.008+/-0.000 χ²/NDF:1245968.7/6
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.008+/-0.000 χ²/NDF:586179.9/5
Left: 0.008+/-0.000 χ²/NDF: 1832152.3/12
Right: 0.003+/-0.000 χ²/NDF: 12159145.0/33
In: 0.004+/-0.000 χ²/NDF:8975736.2/21
Out: 0.003+/-0.000 χ²/NDF:11140312.0/24
All: 0.003+/-0.000 χ²/NDF: 20402210.2/46

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: 0.019+/-0.025 χ^2/NDF:25.6/6

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.002+/-0.027 χ^2/NDF:4.7/5

Left: 0.010+/-0.018 χ^2/NDF: 30.6/12

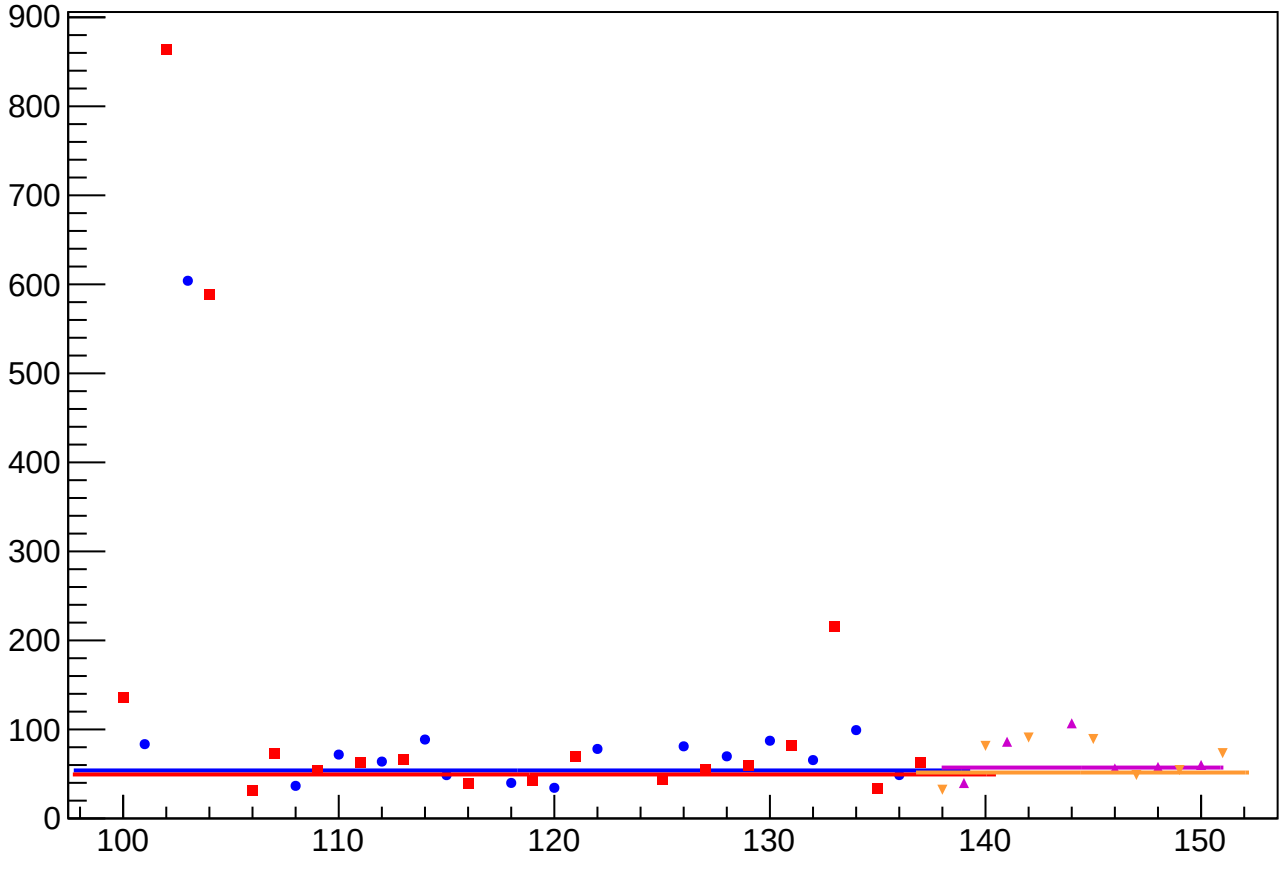
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.018 χ^2/NDF:13.0/21

Out: 0.012+/-0.017 χ^2/NDF:39.4/24

All: 0.004+/-0.012 χ^2/NDF: 53.0/46

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: 51.598+/-0.018 χ^2/NDF:1247403.8/6

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 57.156+/-0.019 χ^2/NDF:834903.4/5

Left: 54.136+/-0.013 χ^2/NDF: 2127640.8/12

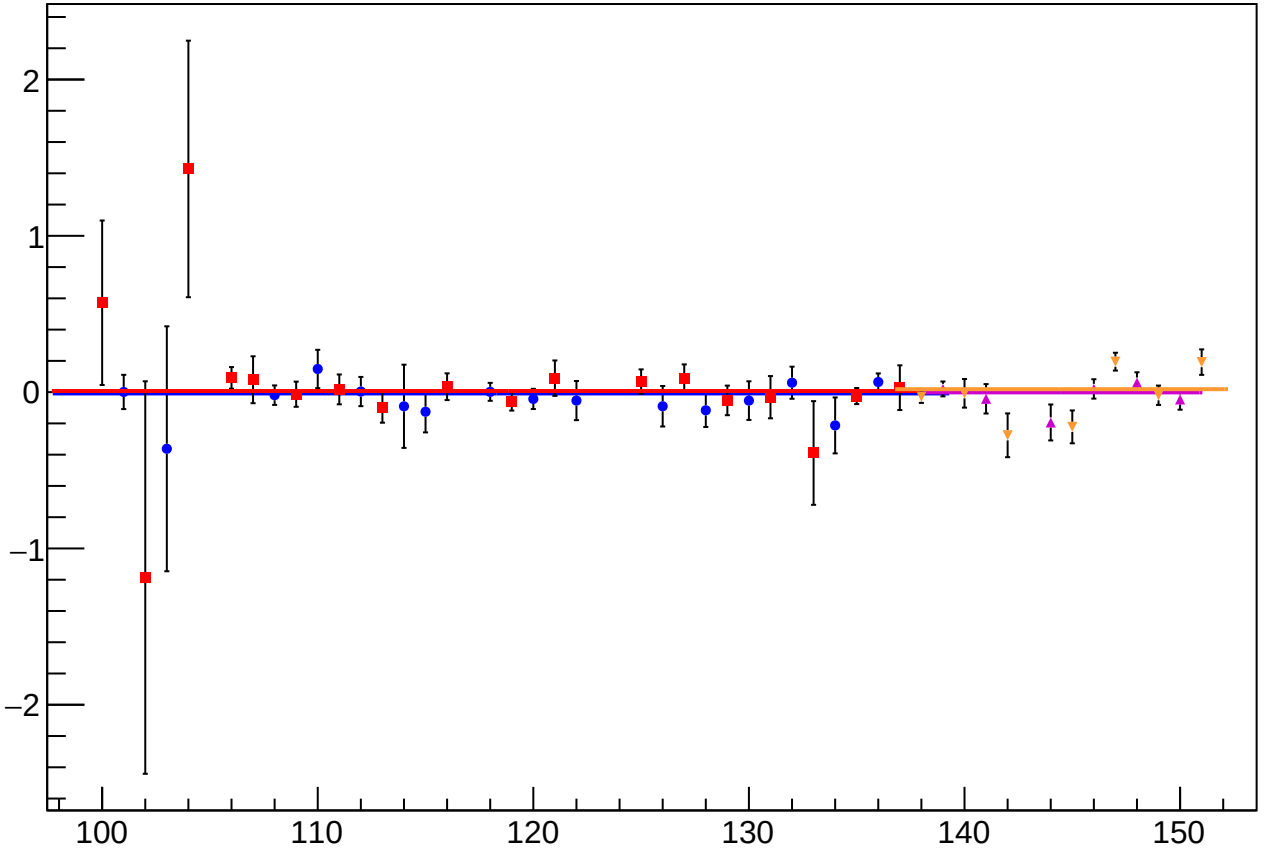
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 55.281+/-0.012 χ^2/NDF:3065192.7/21

Out: 50.385+/-0.012 χ^2/NDF:4273332.6/24

All: 52.687+/-0.009 χ^2/NDF: 7420405.8/46

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: 0.019+/-0.025 χ^2/NDF:25.6/6

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.002+/-0.027 χ^2/NDF:4.7/5

Left: 0.010+/-0.018 χ^2/NDF: 30.6/12

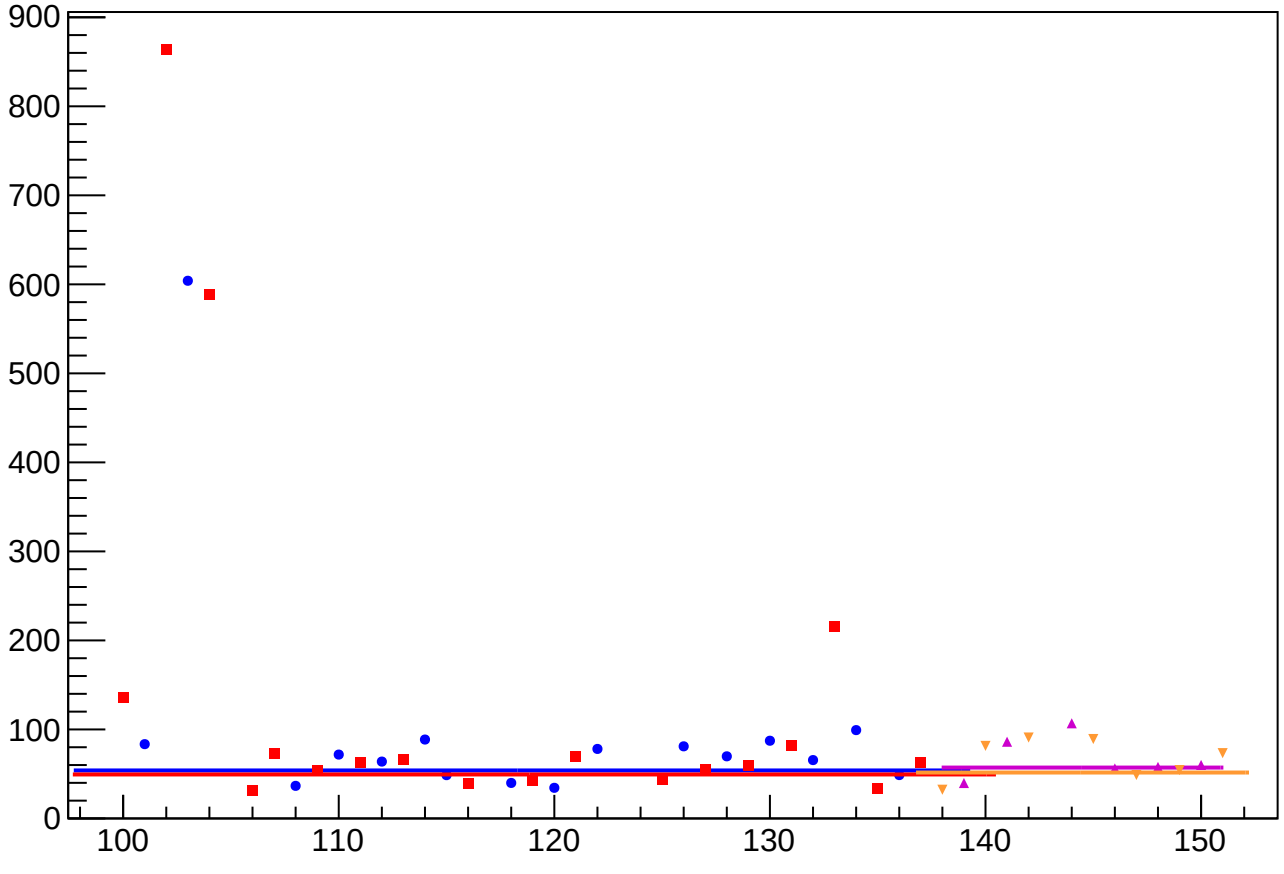
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.005+/-0.018 χ^2/NDF:13.0/21

Out: 0.012+/-0.017 χ^2/NDF:39.4/24

All: 0.004+/-0.012 χ^2/NDF: 53.0/46

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: 51.598+/-0.018 χ^2/NDF:1247403.8/6

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 57.156+/-0.019 χ^2/NDF:834903.4/5

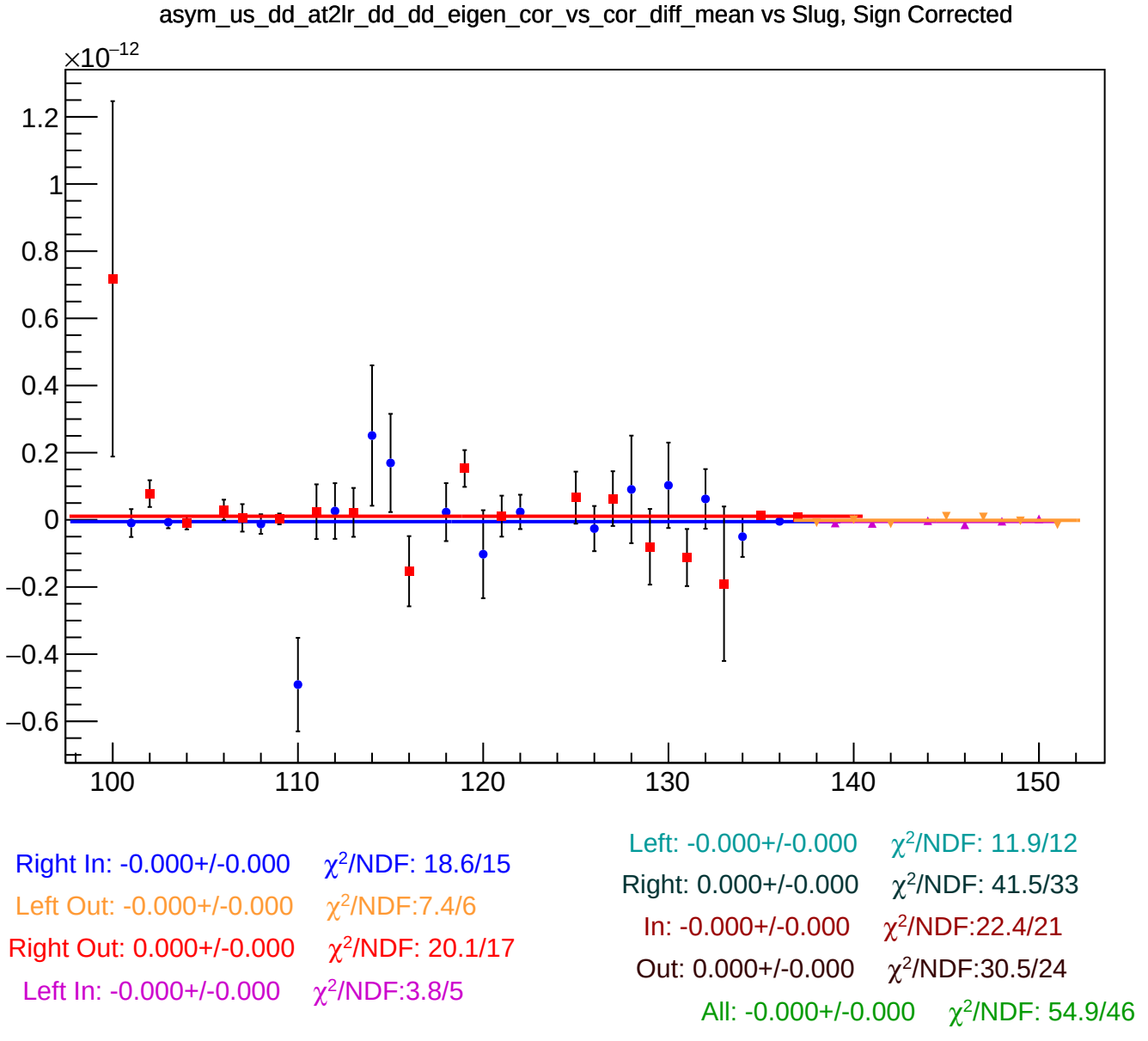
Left: 54.136+/-0.013 χ^2/NDF: 2127640.8/12

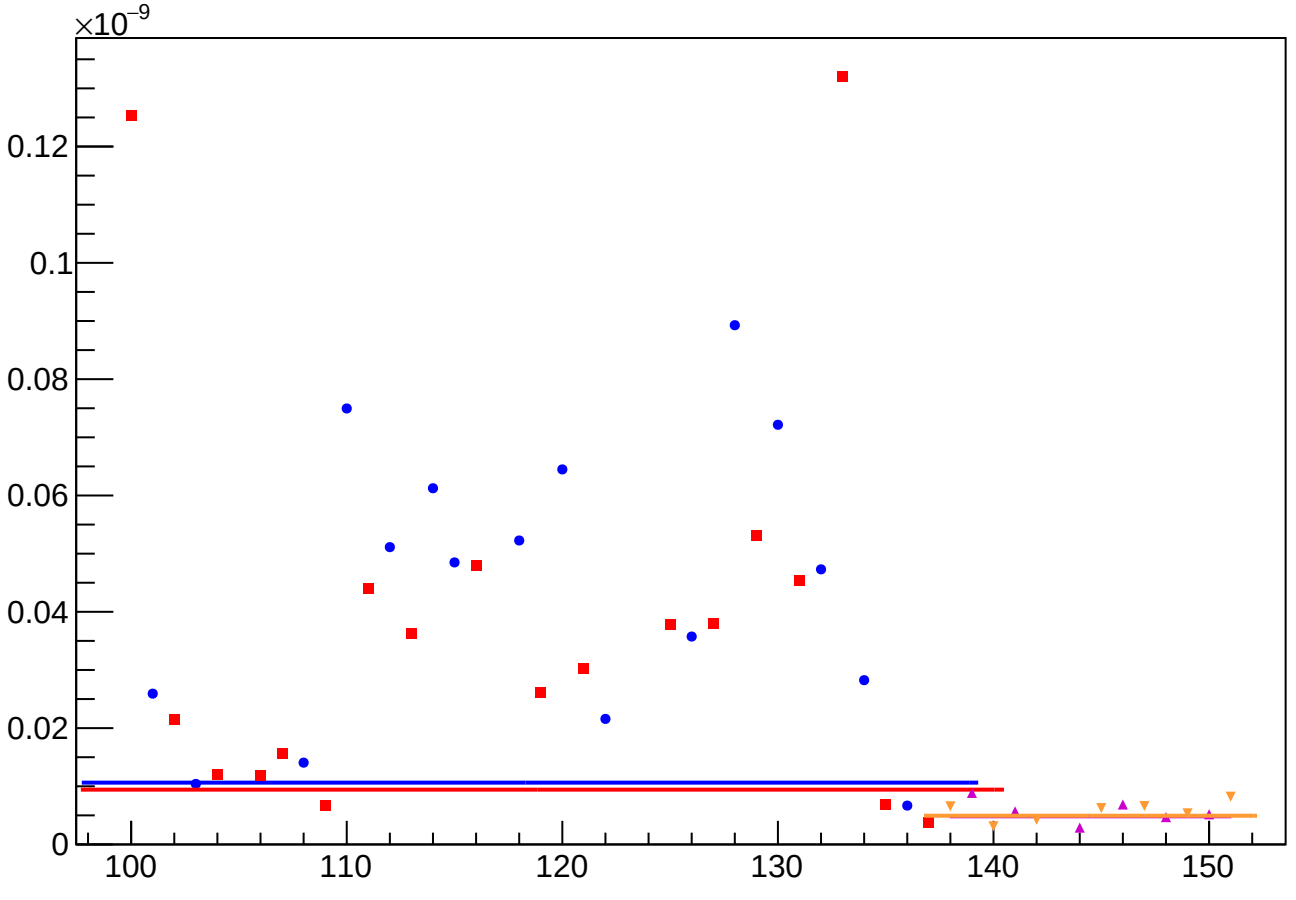
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 55.281+/-0.012 χ^2/NDF:3065192.7/21

Out: 50.385+/-0.012 χ^2/NDF:4273332.6/24

All: 52.687+/-0.009 χ^2/NDF: 7420405.8/46


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:7.4/6
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:3.8/5
Left: -0.000+/-0.000 χ²/NDF: 11.9/12
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:22.4/21
Out: 0.000+/-0.000 χ²/NDF:30.5/24
All: -0.000+/-0.000 χ²/NDF: 54.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:701309.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:717675.3/5

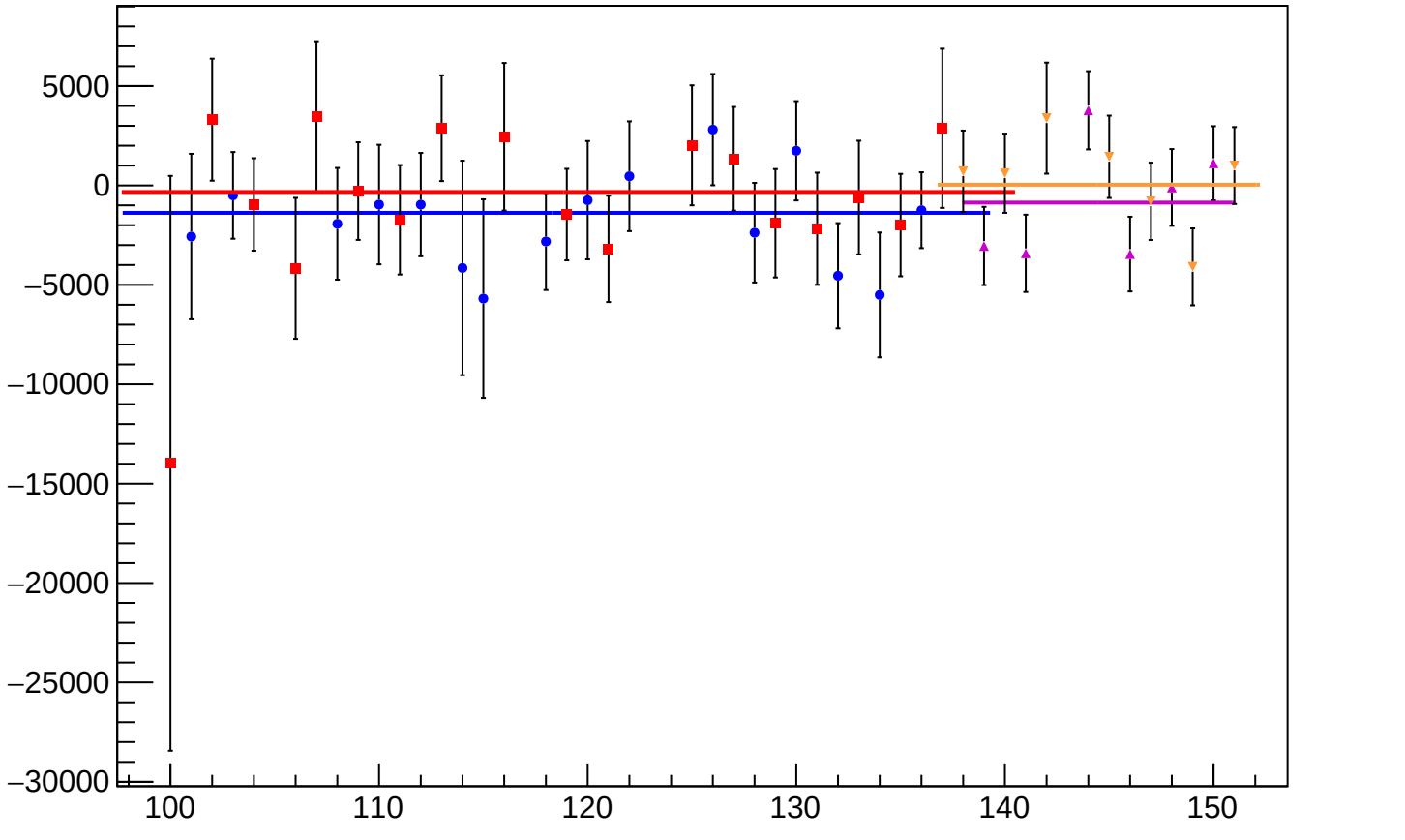
Left: 0.000+/-0.000 χ^2/NDF: 1420253.4/12

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:6497901.5/21

Out: 0.000+/-0.000 χ^2/NDF:5544554.9/24

All: 0.000+/-0.000 χ^2/NDF: 12042859.1/46



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 36.139+/-778.020 χ^2/NDF:7.1/6

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -862.278+/-785.363 χ^2/NDF:11.7/5

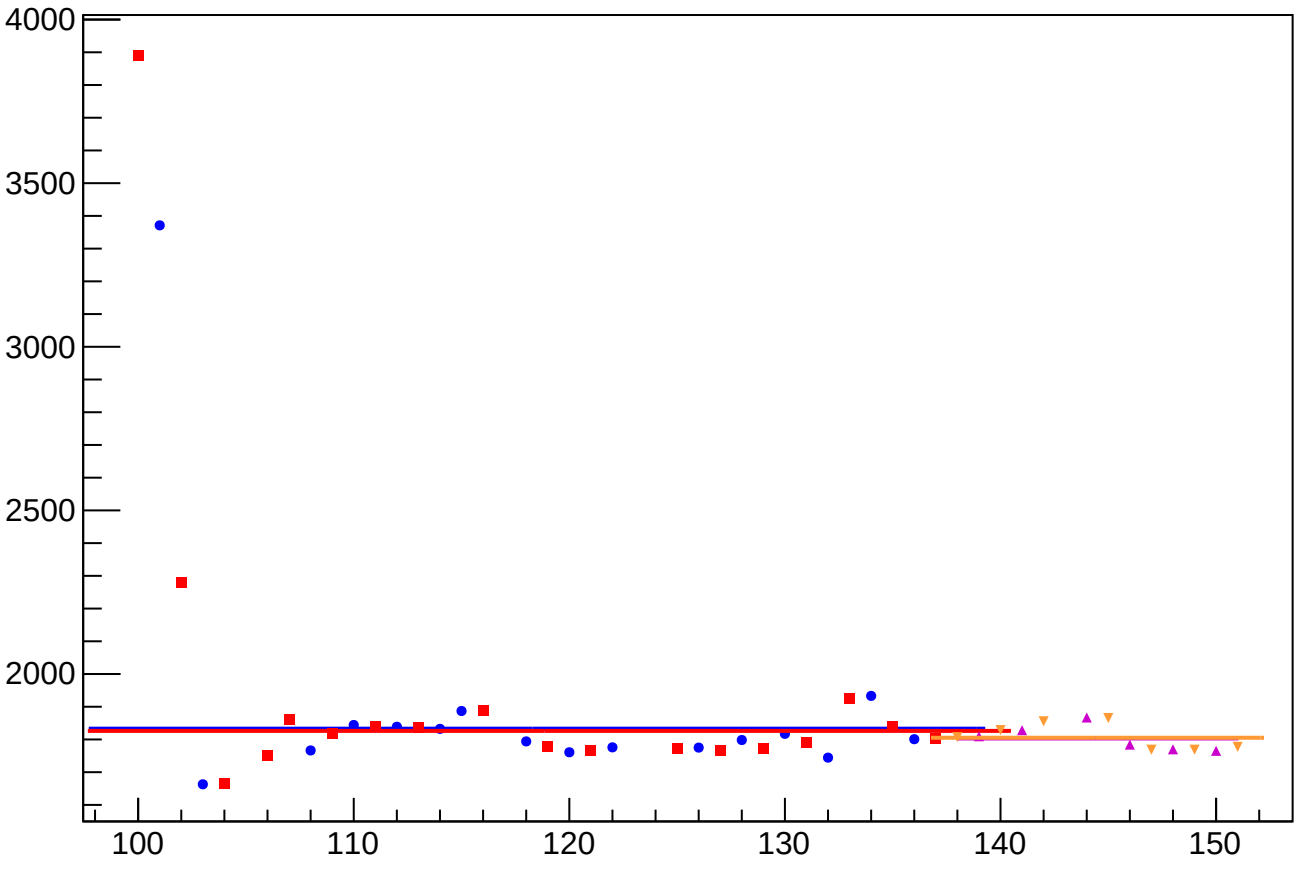
Left: -408.849+/-552.721 χ^2/NDF: 19.4/12

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1154.120+/-517.947 χ^2/NDF:21.2/21

Out: -169.714+/-513.656 χ^2/NDF:18.3/24

All: -657.823+/-364.717 χ^2/NDF: 41.3/46



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1805.210+/-0.550 χ^2/NDF:4447.4/6

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1803.027+/-0.555 χ^2/NDF:4092.2/5

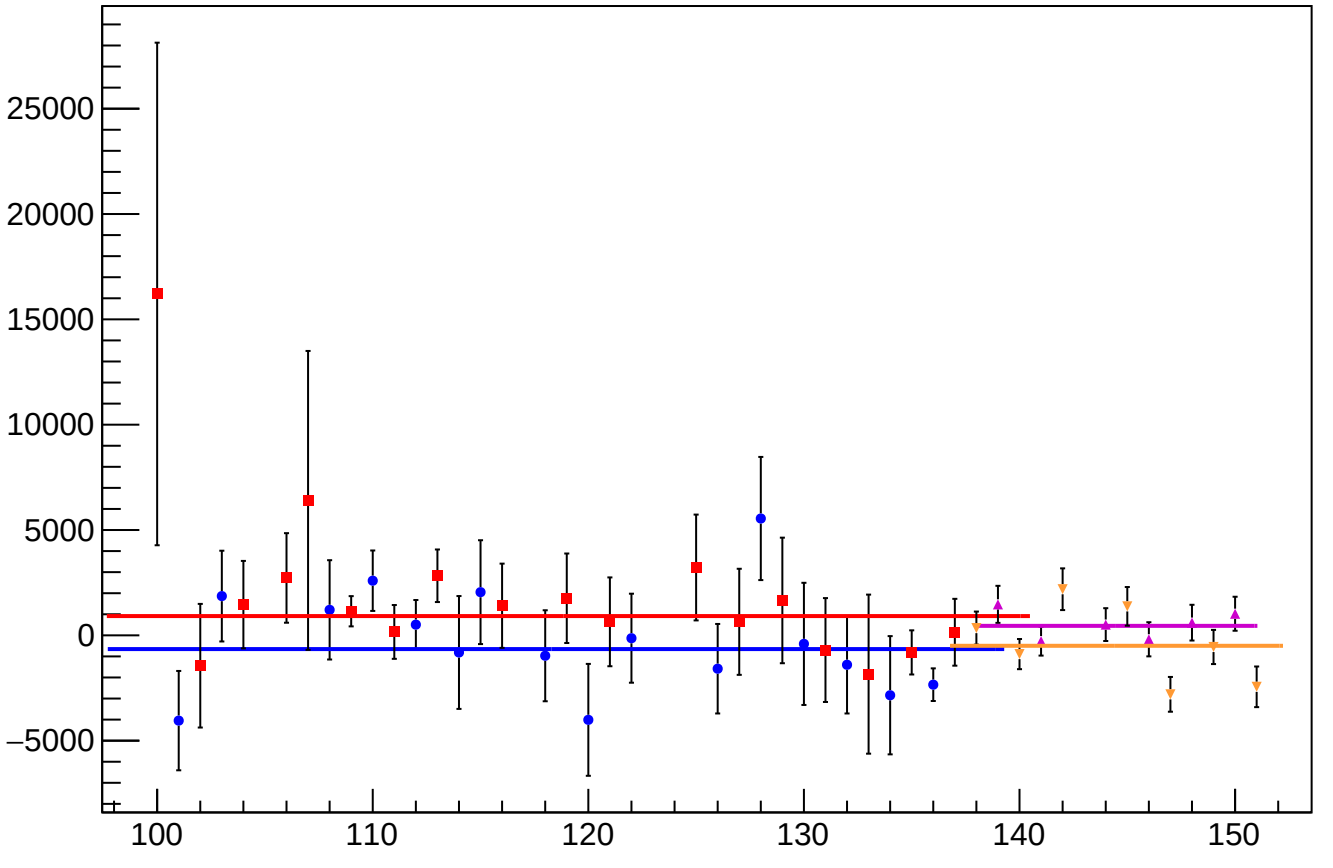
Left: 1804.129+/-0.391 χ^2/NDF: 8547.4/12

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1819.933+/-0.366 χ^2/NDF:301171.8/21

Out: 1817.055+/-0.363 χ^2/NDF:108275.8/24

All: 1818.482+/-0.258 χ^2/NDF: 409478.7/46



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -496.179+/-318.645 χ^2/NDF:24.8/6

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 450.430+/-324.176 χ^2/NDF:3.6/5

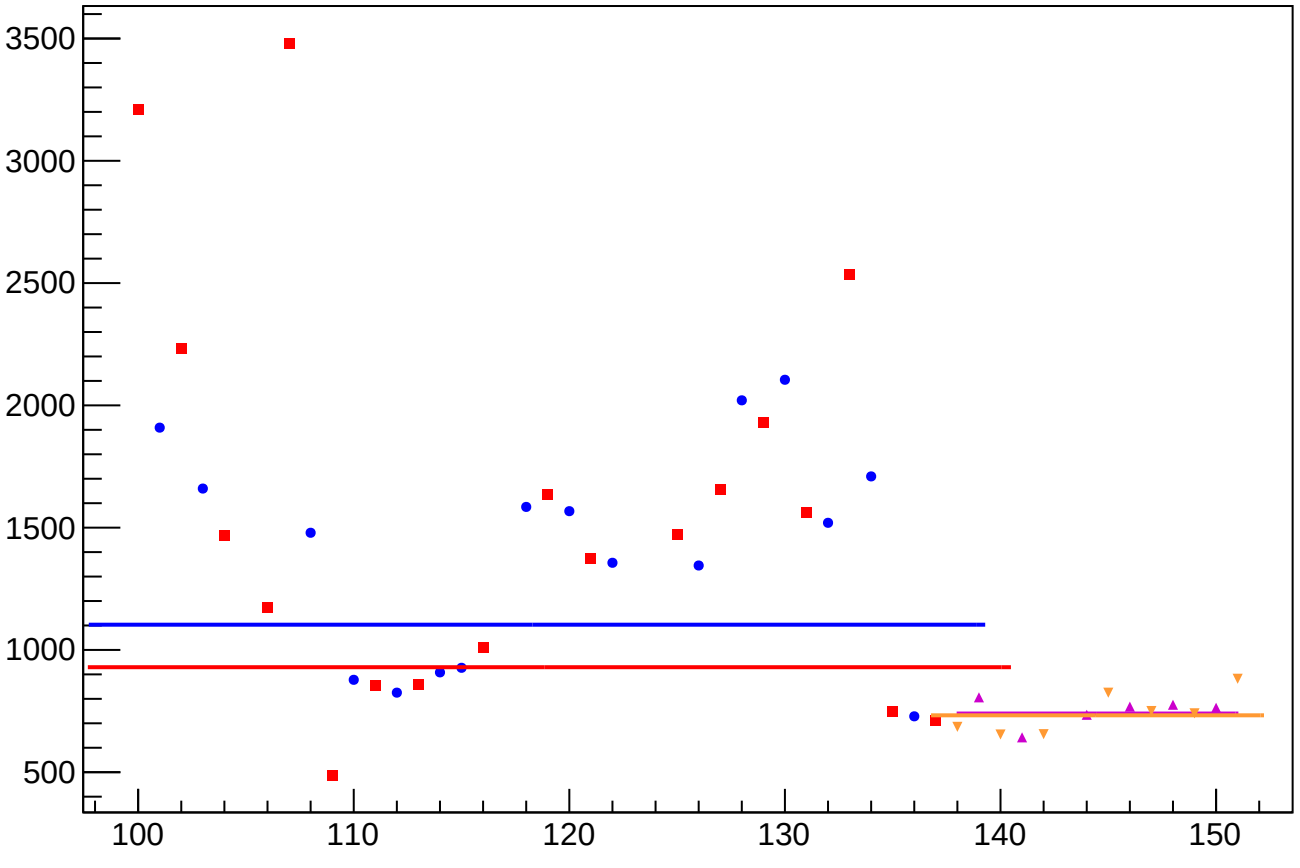
Left: -31.018+/-227.246 χ^2/NDF: 32.8/12

Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 65.005+/-261.433 χ^2/NDF:30.9/21

Out: 62.723+/-247.616 χ^2/NDF:44.1/24

All: 63.802+/-179.777 χ^2/NDF: 75.0/46



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 732.656+/-0.225 χ^2/NDF:112750.6/6

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 739.919+/-0.229 χ^2/NDF:59451.9/5

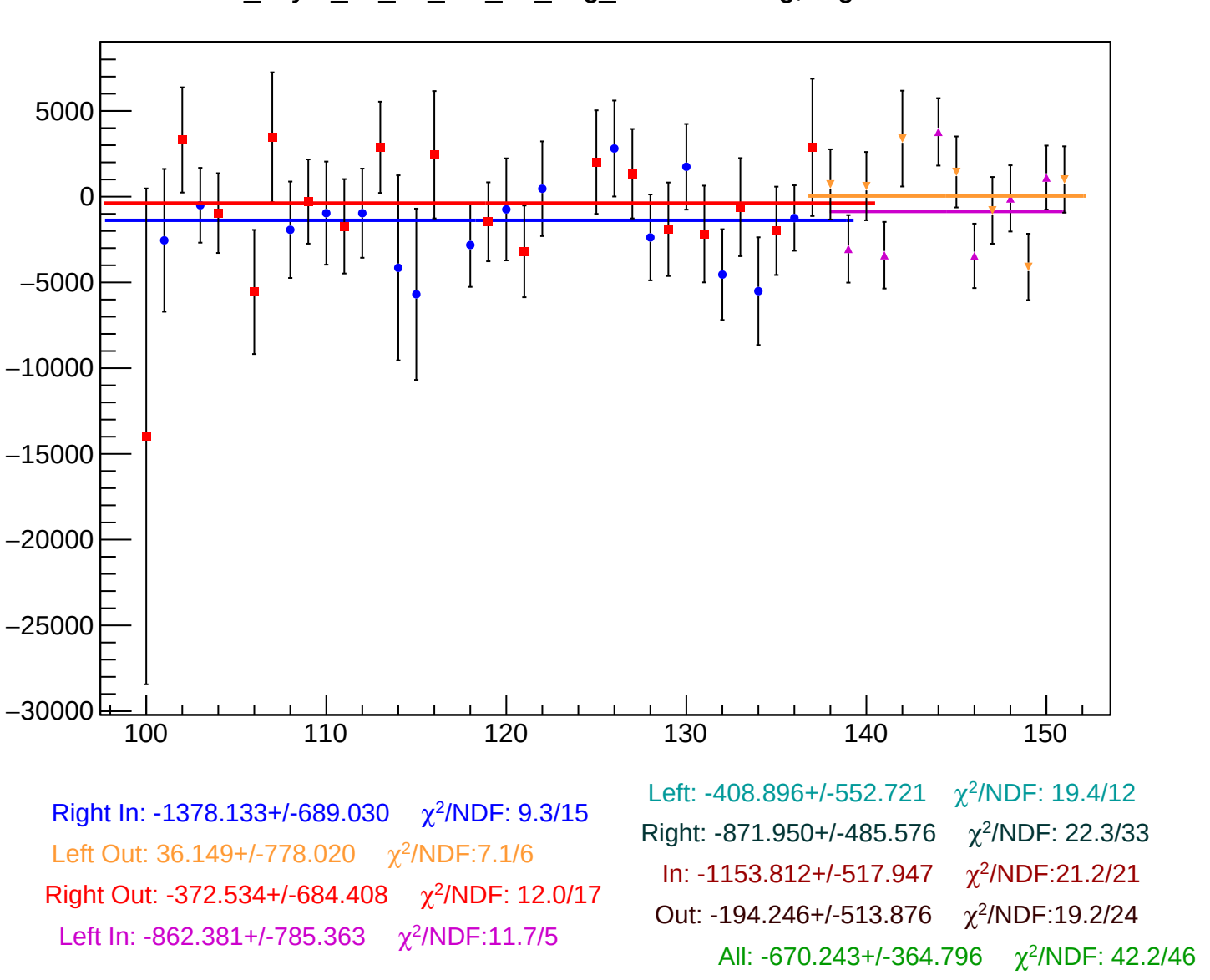
Left: 736.225+/-0.161 χ^2/NDF: 172713.1/12

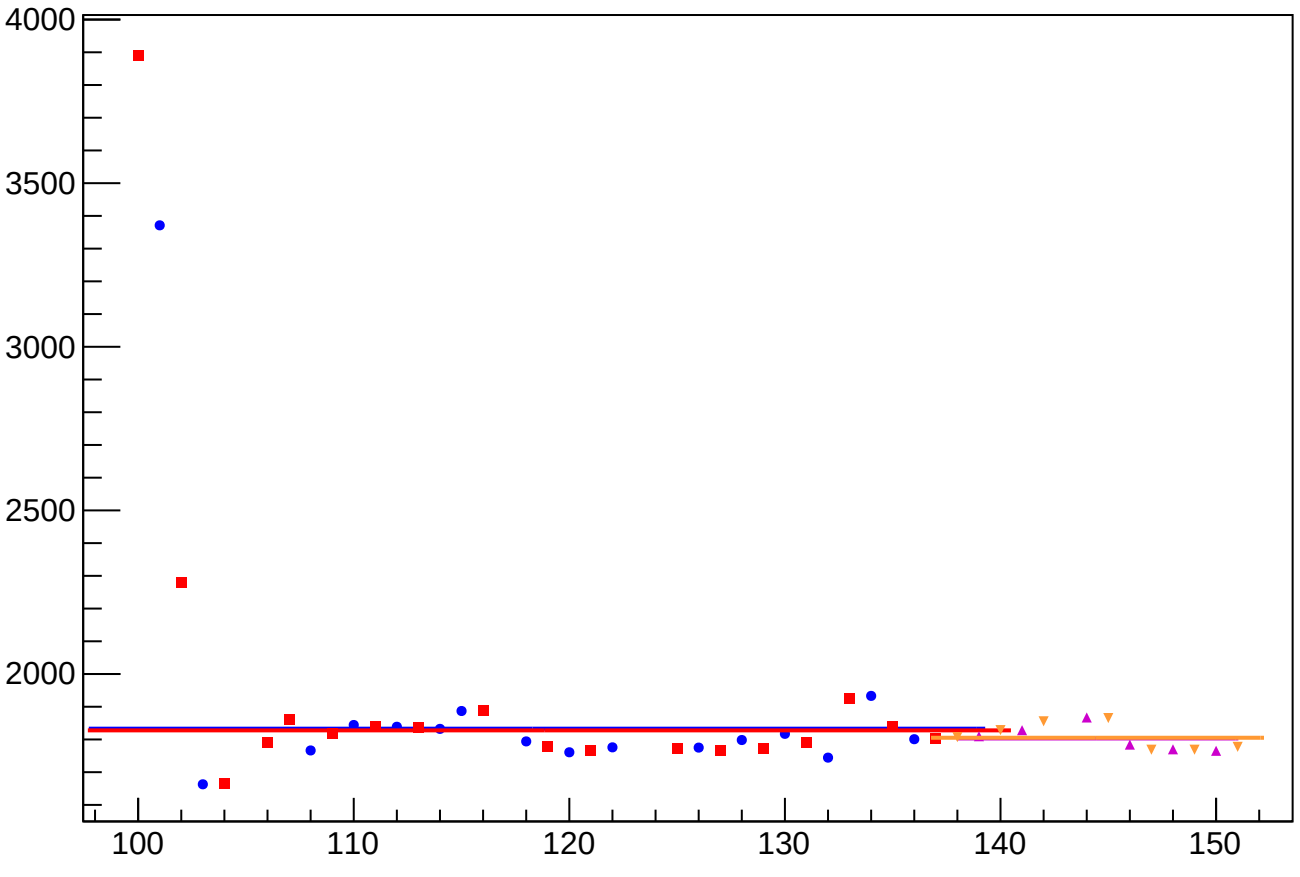
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 866.928+/-0.185 χ^2/NDF:2815690.7/21

Out: 810.576+/-0.175 χ^2/NDF:3468744.5/24

All: 837.223+/-0.127 χ^2/NDF: 6333417.6/46


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: 36.149+/-778.020 χ²/NDF:7.1/6
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -862.381+/-785.363 χ²/NDF:11.7/5
Left: -408.896+/-552.721 χ²/NDF: 19.4/12
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1153.812+/-517.947 χ²/NDF:21.2/21
Out: -194.246+/-513.876 χ²/NDF:19.2/24
All: -670.243+/-364.796 χ²/NDF: 42.2/46



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1805.210+/-0.550 χ^2/NDF:4447.4/6

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1803.027+/-0.555 χ^2/NDF:4092.2/5

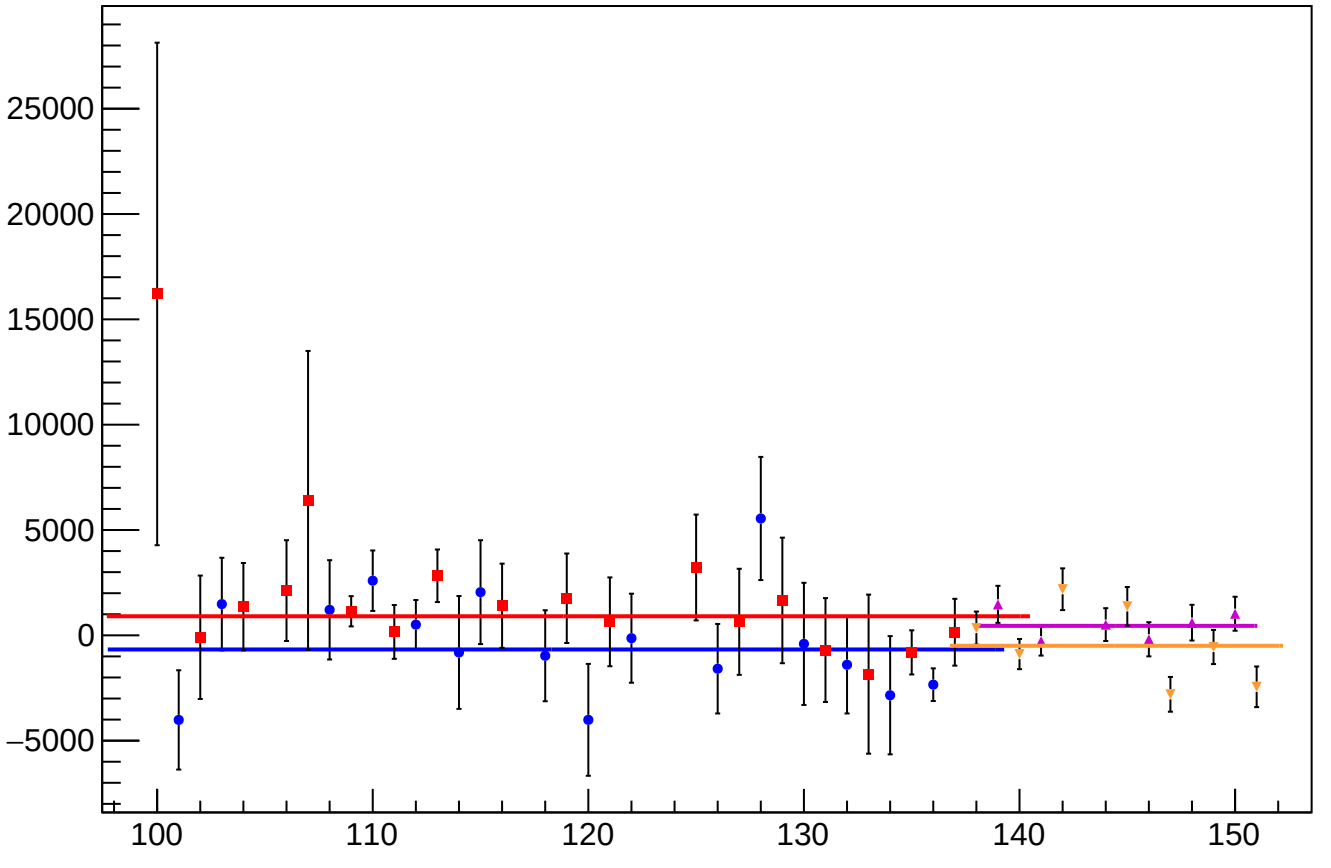
Left: 1804.129+/-0.391 χ^2/NDF: 8547.4/12

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1819.933+/-0.366 χ^2/NDF:301173.7/21

Out: 1817.937+/-0.363 χ^2/NDF:107666.9/24

All: 1818.927+/-0.258 χ^2/NDF: 408855.6/46



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -496.264+/-318.649 χ^2/NDF:24.8/6

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 450.349+/-324.176 χ^2/NDF:3.6/5

Left: -31.097+/-227.248 χ^2/NDF: 32.8/12

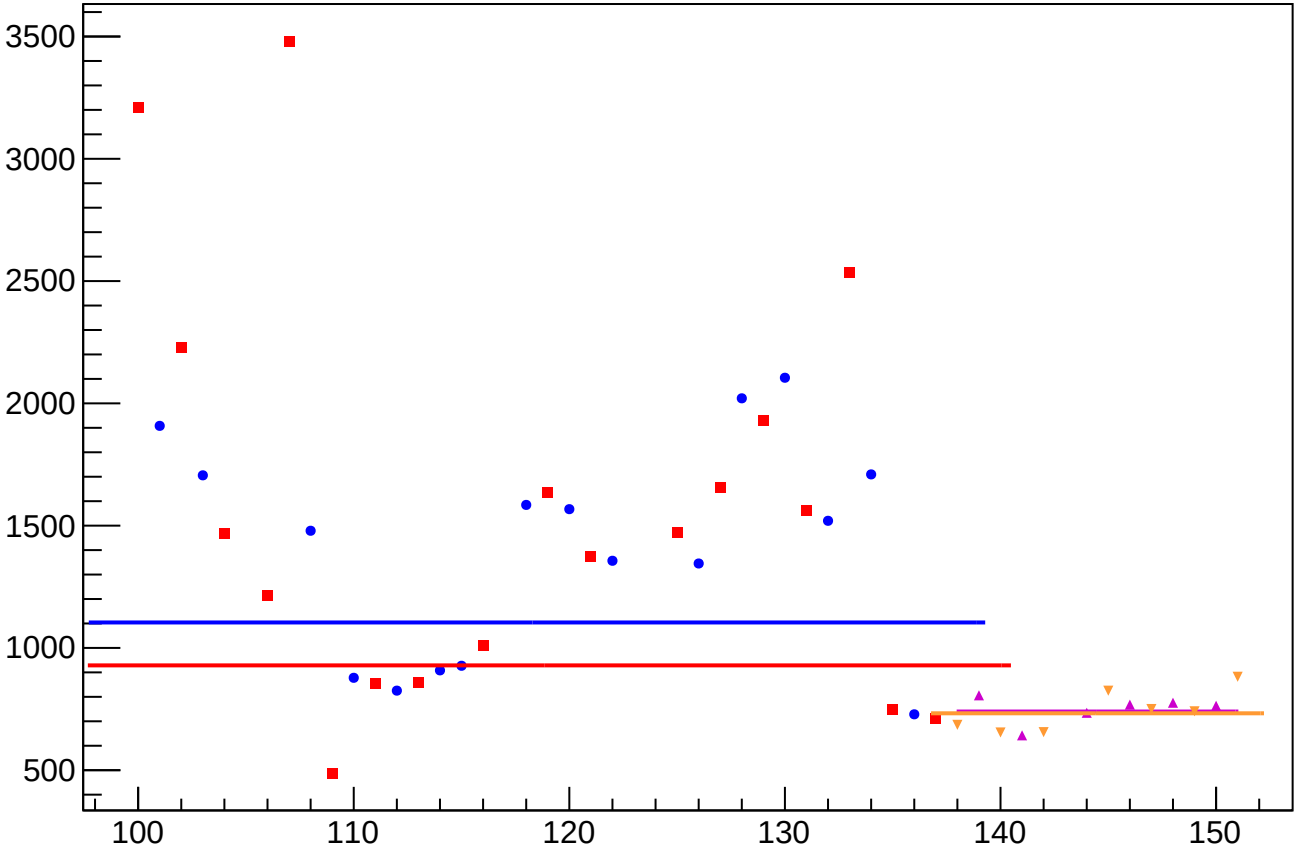
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 58.877+/-261.510 χ^2/NDF:30.6/21

Out: 56.806+/-247.963 χ^2/NDF:43.0/24

All: 57.787+/-179.935 χ^2/NDF: 73.6/46

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: 732.665+/-0.225 χ^2/NDF:112740.9/6

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 739.919+/-0.229 χ^2/NDF:59476.5/5

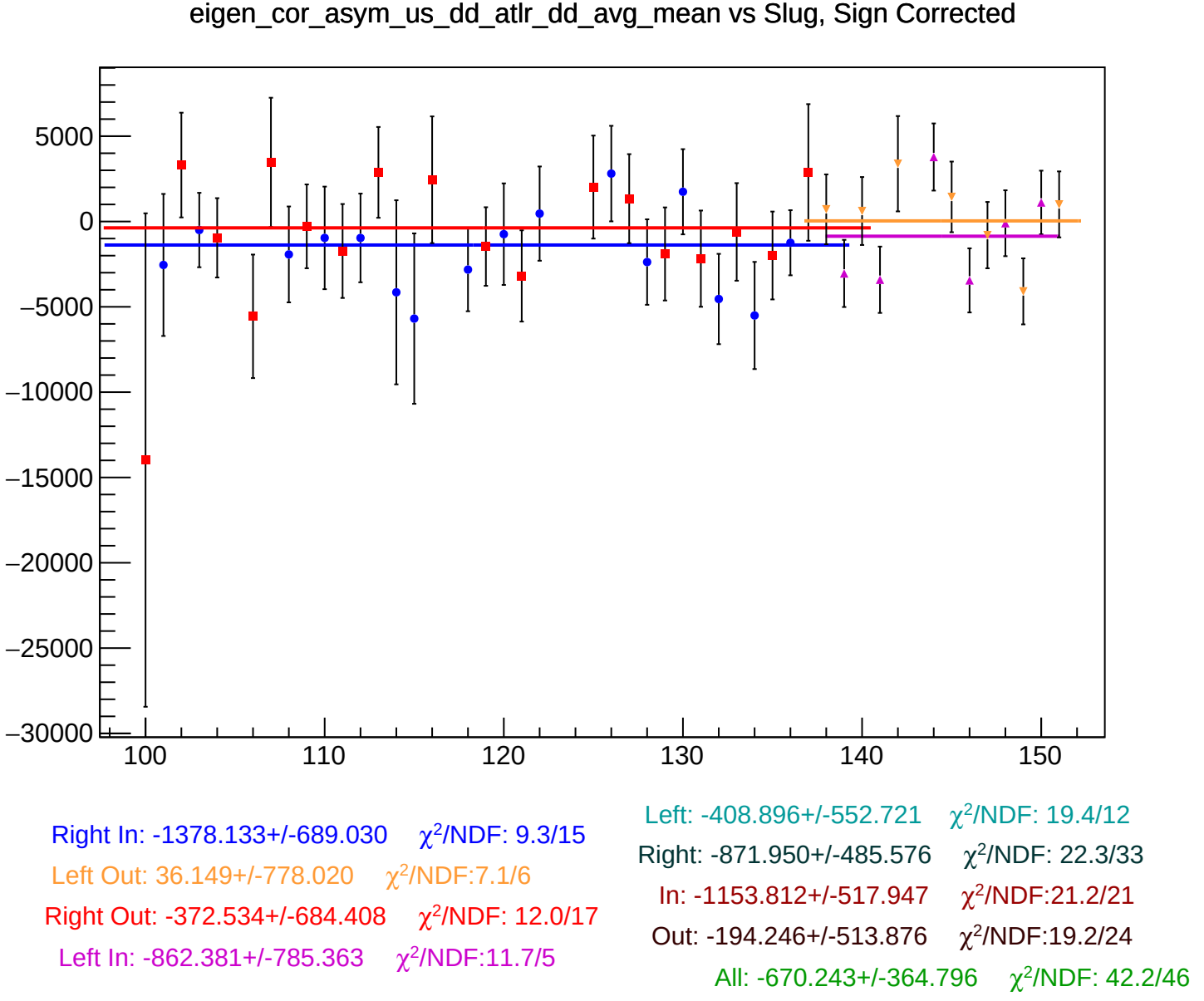
Left: 736.229+/-0.161 χ^2/NDF: 172726.8/12

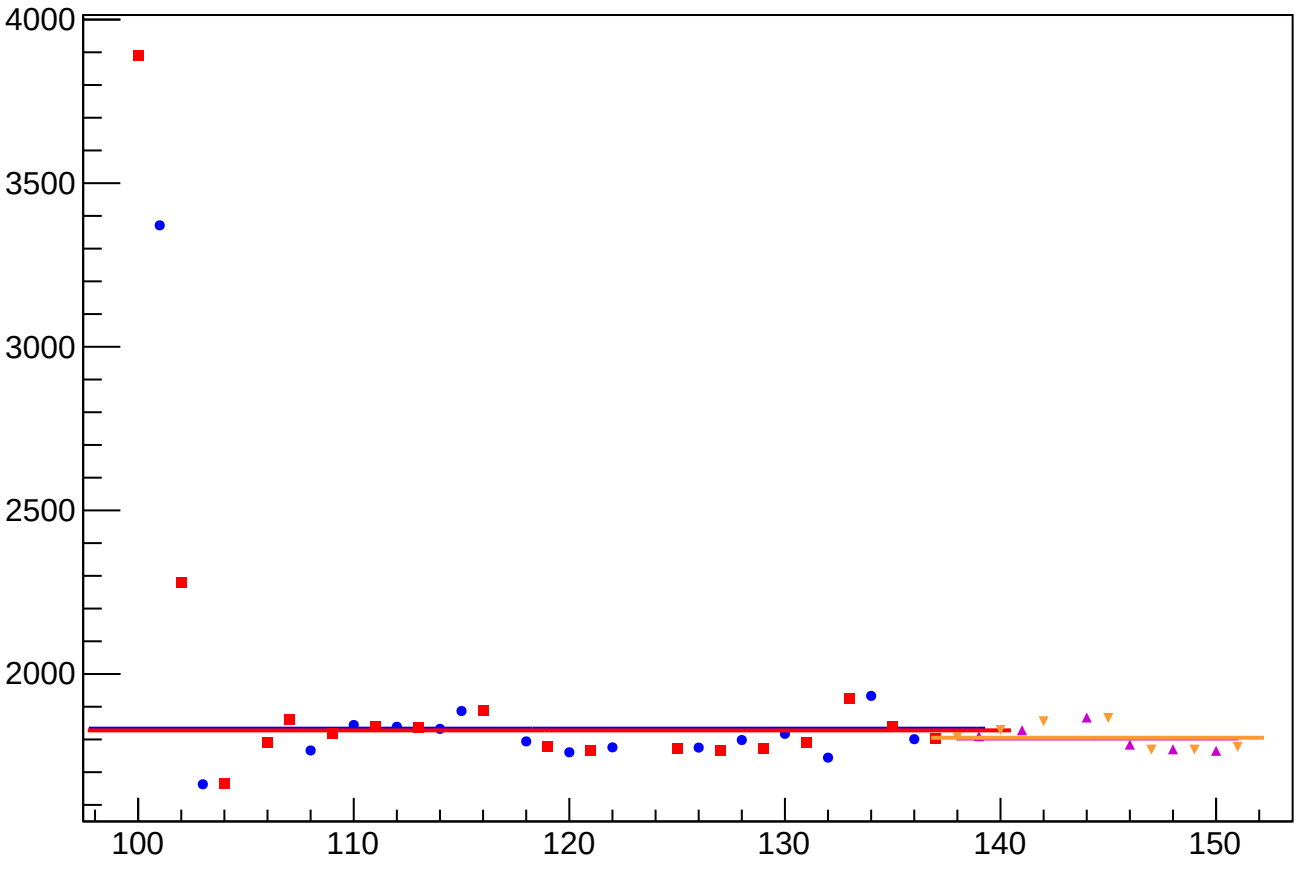
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 867.111+/-0.185 χ^2/NDF:2835509.0/21

Out: 809.962+/-0.175 χ^2/NDF:3465488.7/24

All: 837.018+/-0.127 χ^2/NDF: 6351292.1/46


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: 36.149+/-778.020 χ²/NDF:7.1/6
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -862.381+/-785.363 χ²/NDF:11.7/5
Left: -408.896+/-552.721 χ²/NDF: 19.4/12
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1153.812+/-517.947 χ²/NDF:21.2/21
Out: -194.246+/-513.876 χ²/NDF:19.2/24
All: -670.243+/-364.796 χ²/NDF: 42.2/46



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1805.210+/-0.550 χ^2/NDF:4447.4/6

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1803.027+/-0.555 χ^2/NDF:4092.2/5

Left: 1804.129+/-0.391 χ^2/NDF: 8547.4/12

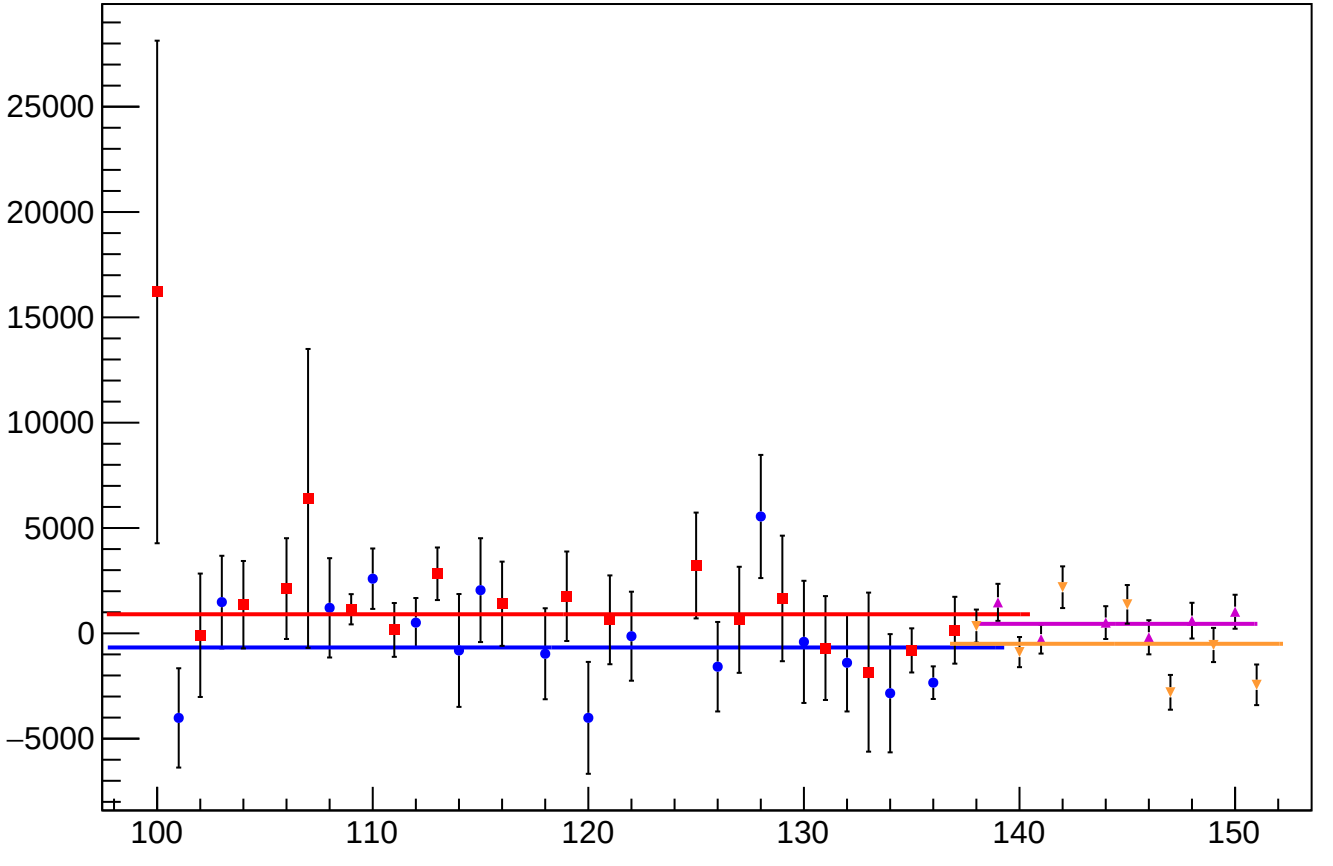
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1819.933+/-0.366 χ^2/NDF:301173.7/21

Out: 1817.937+/-0.363 χ^2/NDF:107666.9/24

All: 1818.927+/-0.258 χ^2/NDF: 408855.6/46

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: -496.264+/-318.649 χ^2/NDF:24.8/6

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 450.349+/-324.176 χ^2/NDF:3.6/5

Left: -31.097+/-227.248 χ^2/NDF: 32.8/12

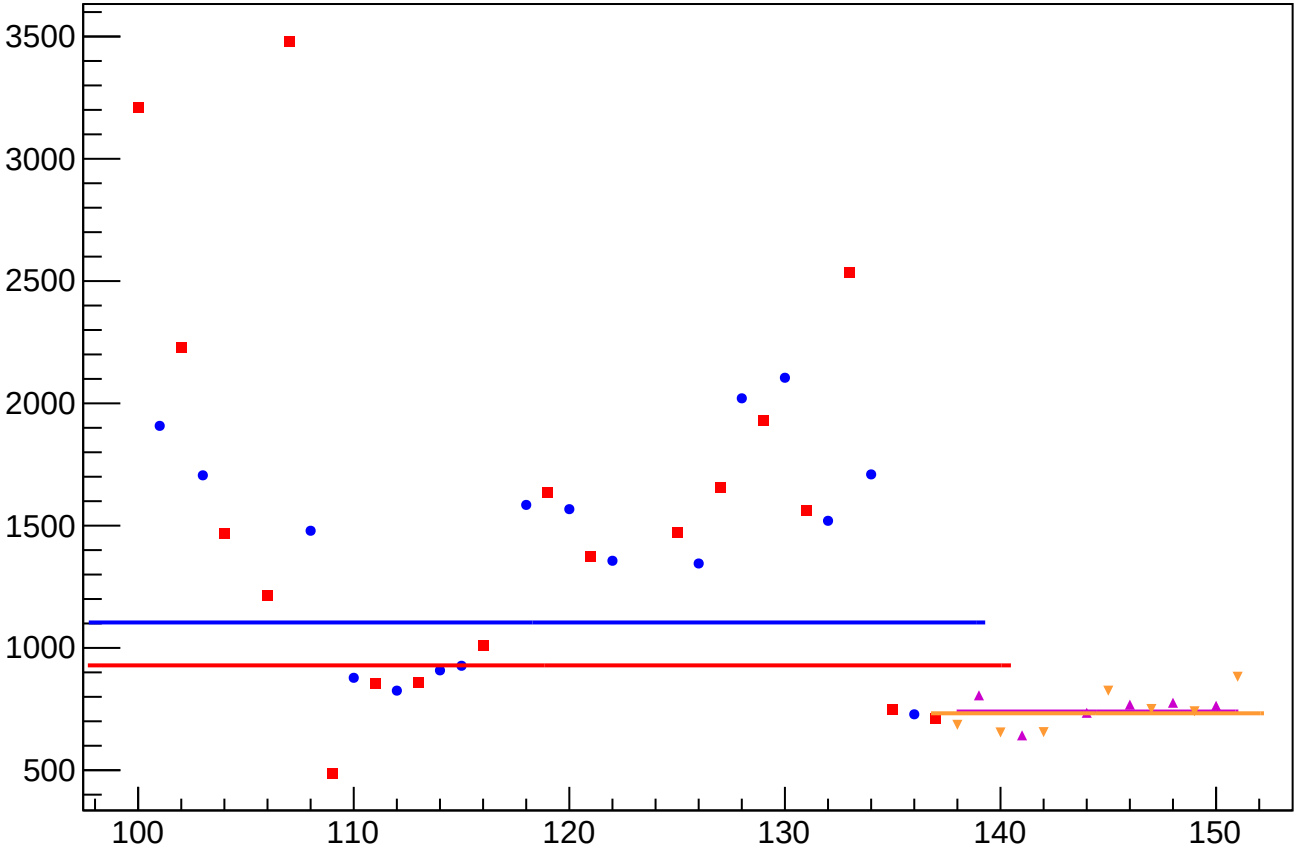
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 58.877+/-261.510 χ^2/NDF:30.6/21

Out: 56.806+/-247.963 χ^2/NDF:43.0/24

All: 57.787+/-179.935 χ^2/NDF: 73.6/46

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: 732.665+/-0.225 χ^2/NDF:112740.9/6

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 739.919+/-0.229 χ^2/NDF:59476.5/5

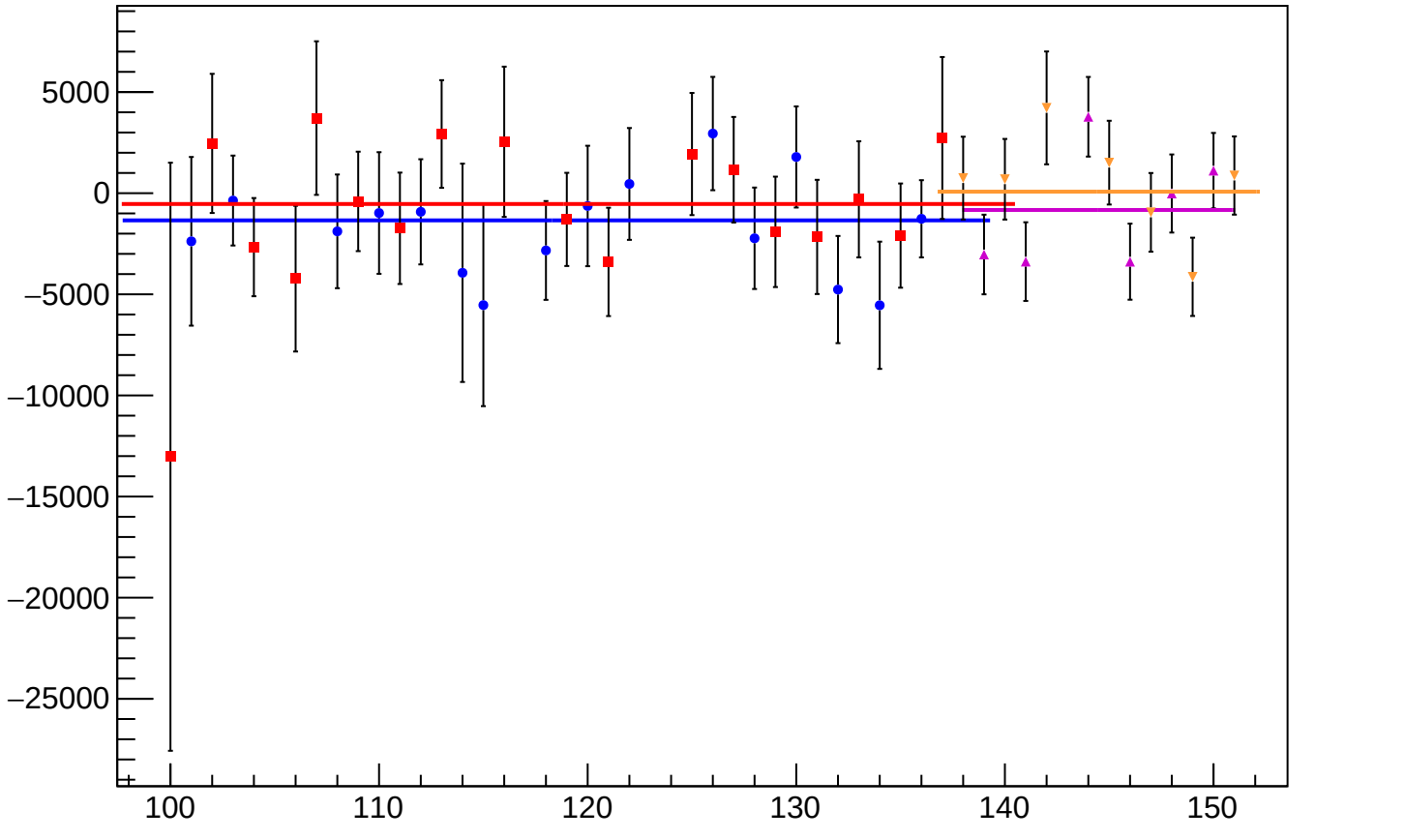
Left: 736.229+/-0.161 χ^2/NDF: 172726.8/12

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 867.111+/-0.185 χ^2/NDF:2835509.0/21

Out: 809.962+/-0.175 χ^2/NDF:3465488.7/24

All: 837.018+/-0.127 χ^2/NDF: 6351292.1/46



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 75.583+/-778.408 χ^2/NDF:8.1/6

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -829.292+/-785.904 χ^2/NDF:11.6/5

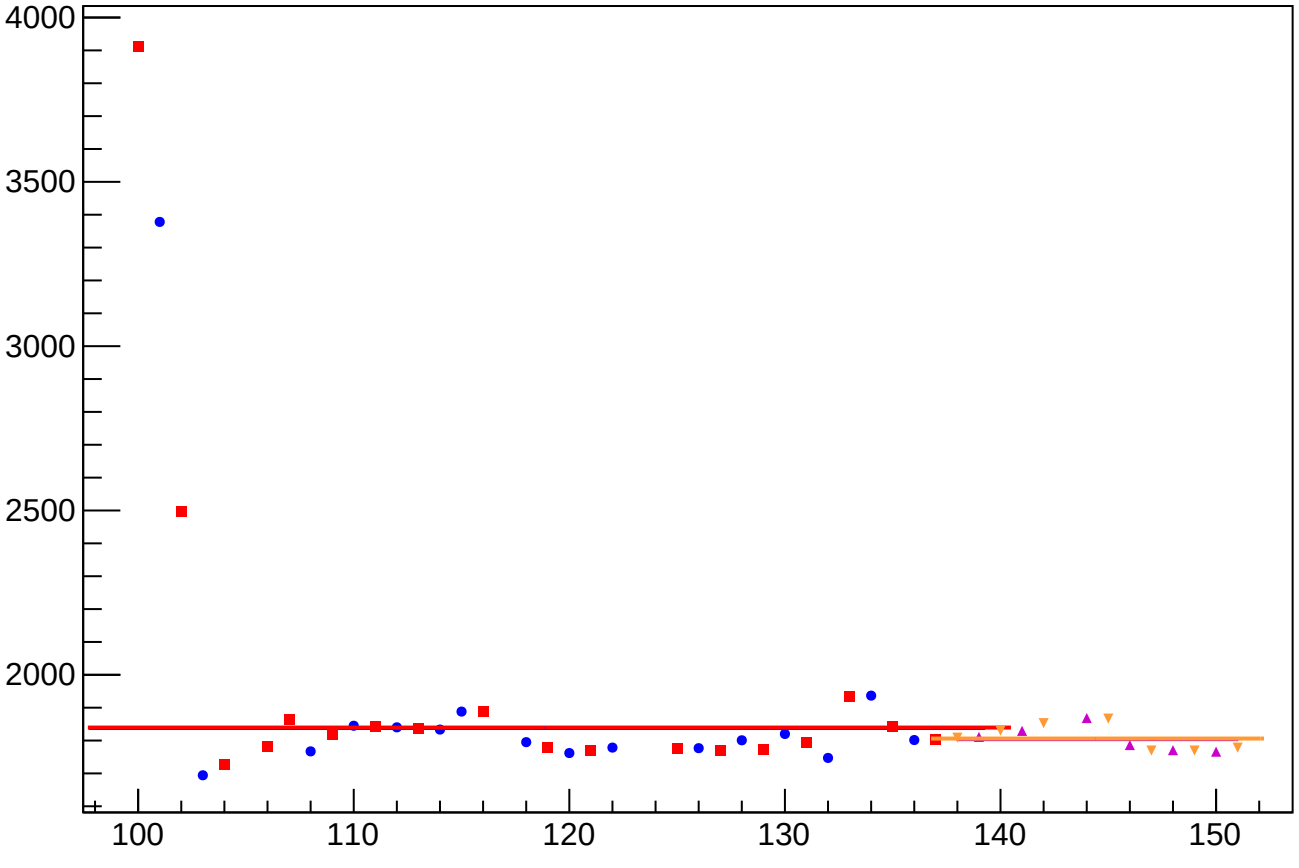
Left: -372.519+/-553.049 χ^2/NDF: 20.3/12

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1119.579+/-518.913 χ^2/NDF:21.4/21

Out: -265.463+/-516.750 χ^2/NDF:19.5/24

All: -690.738+/-366.160 χ^2/NDF: 42.3/46



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1806.087+/-0.550 χ^2/NDF:4395.1/6

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1804.265+/-0.556 χ^2/NDF:4109.1/5

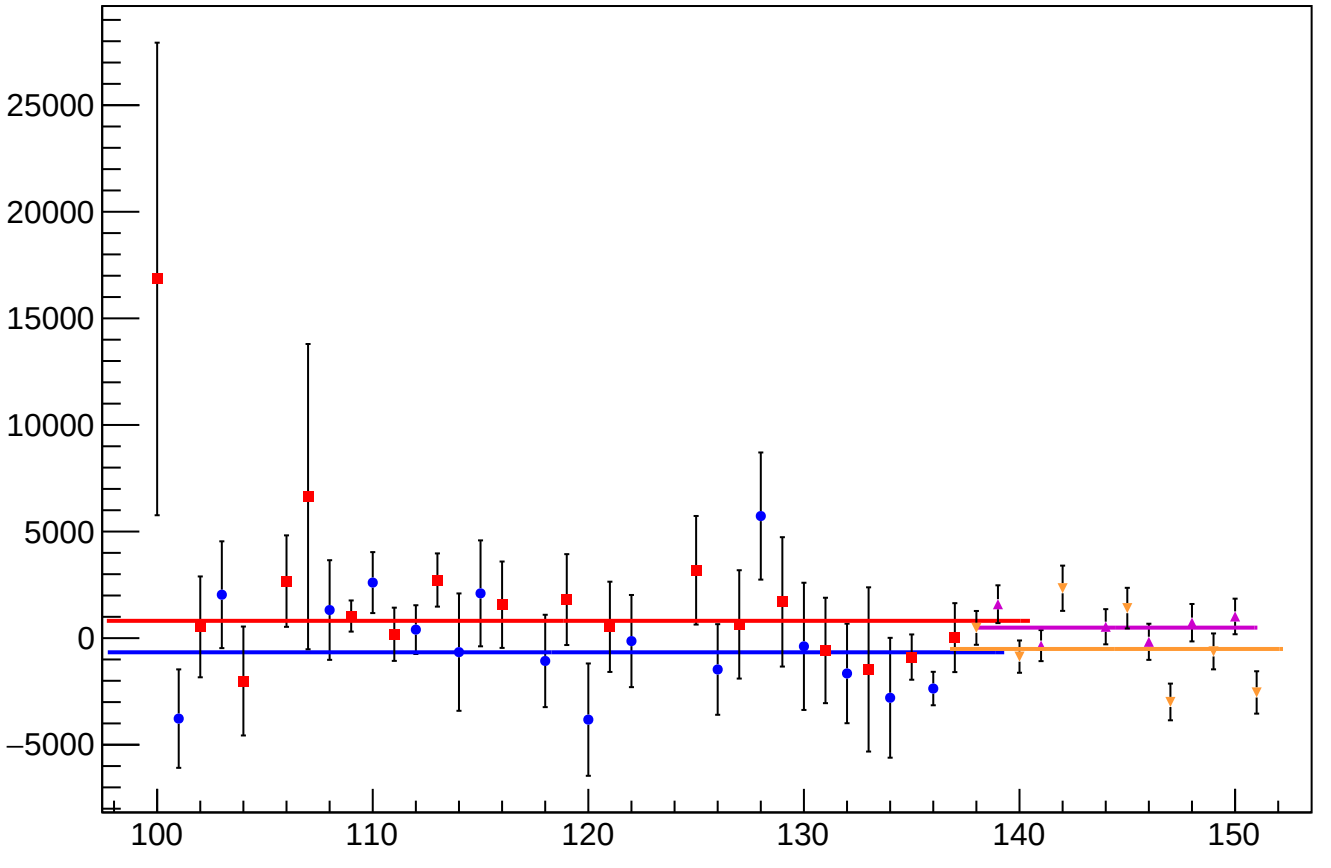
Left: 1805.185+/-0.391 χ^2/NDF: 8509.6/12

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1823.383+/-0.367 χ^2/NDF:298191.3/21

Out: 1824.785+/-0.365 χ^2/NDF:134711.8/24

All: 1824.087+/-0.259 χ^2/NDF: 432910.4/46



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -507.185+/-331.663 χ^2/NDF:25.6/6

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 492.858+/-337.969 χ^2/NDF:4.0/5

Left: -16.580+/-236.719 χ^2/NDF: 34.0/12

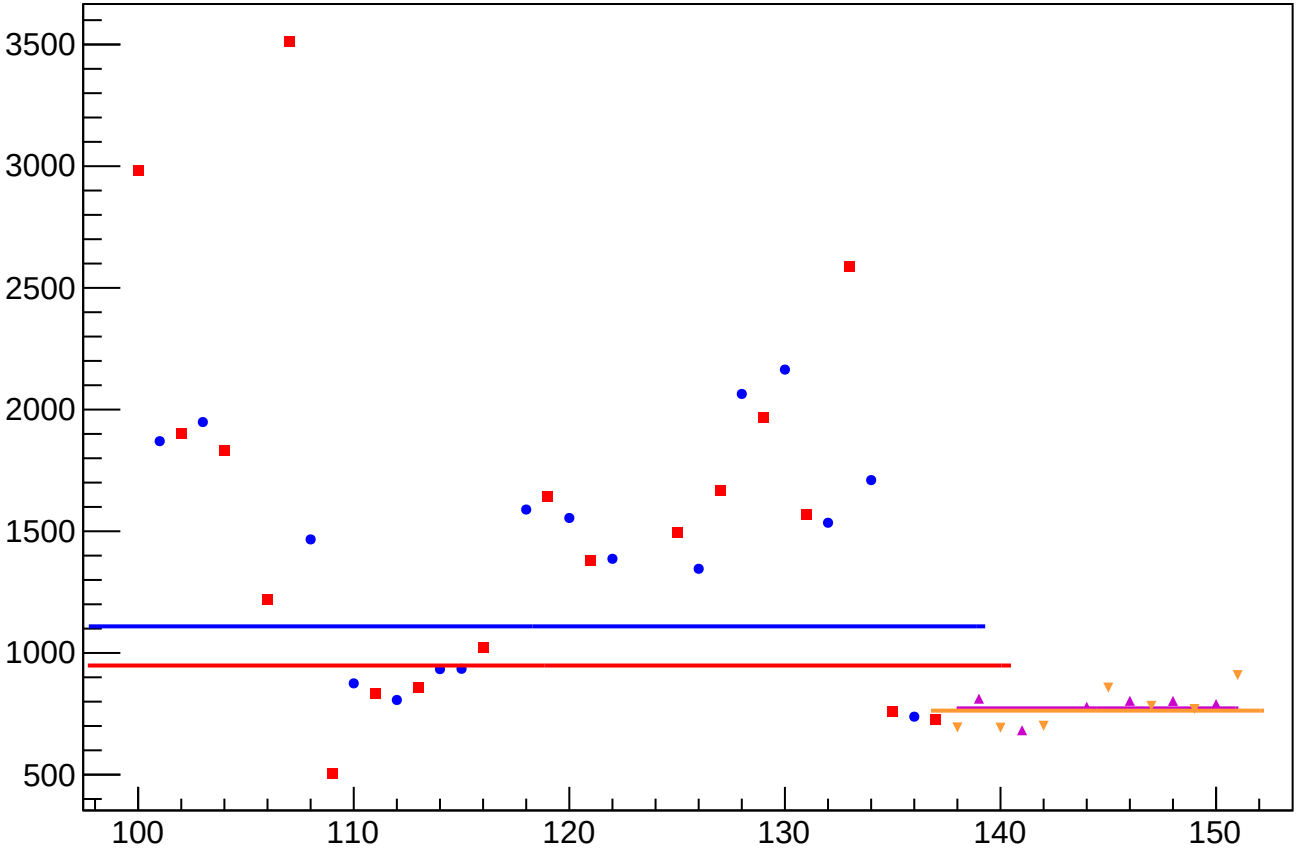
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 70.944+/-269.345 χ^2/NDF:31.0/21

Out: 34.840+/-254.578 χ^2/NDF:44.3/24

All: 51.875+/-185.014 χ^2/NDF: 75.3/46

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 763.047+/-0.235 χ^2/NDF:103059.6/6

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 772.324+/-0.239 χ^2/NDF:40630.4/5

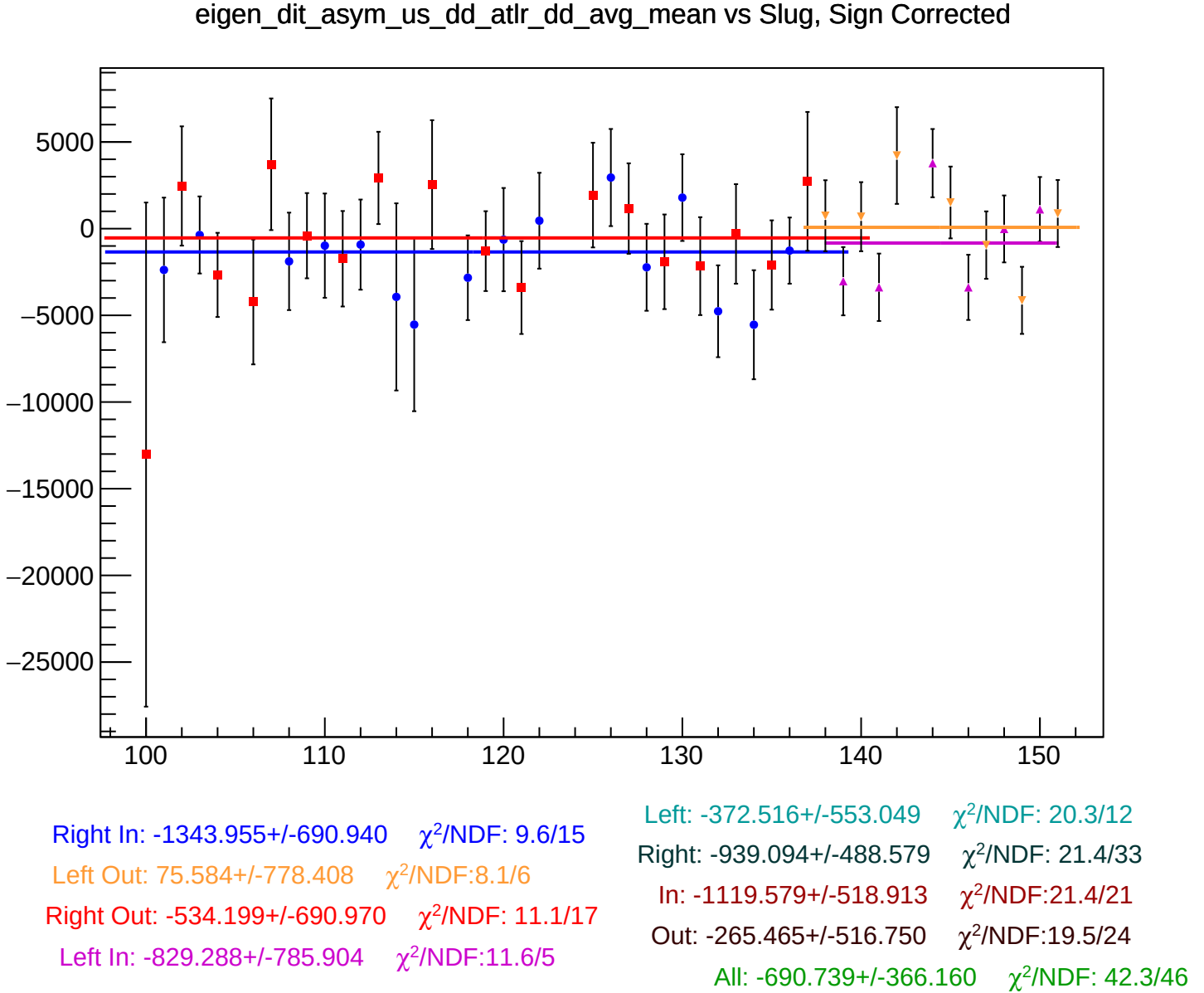
Left: 767.598+/-0.167 χ^2/NDF: 144457.7/12

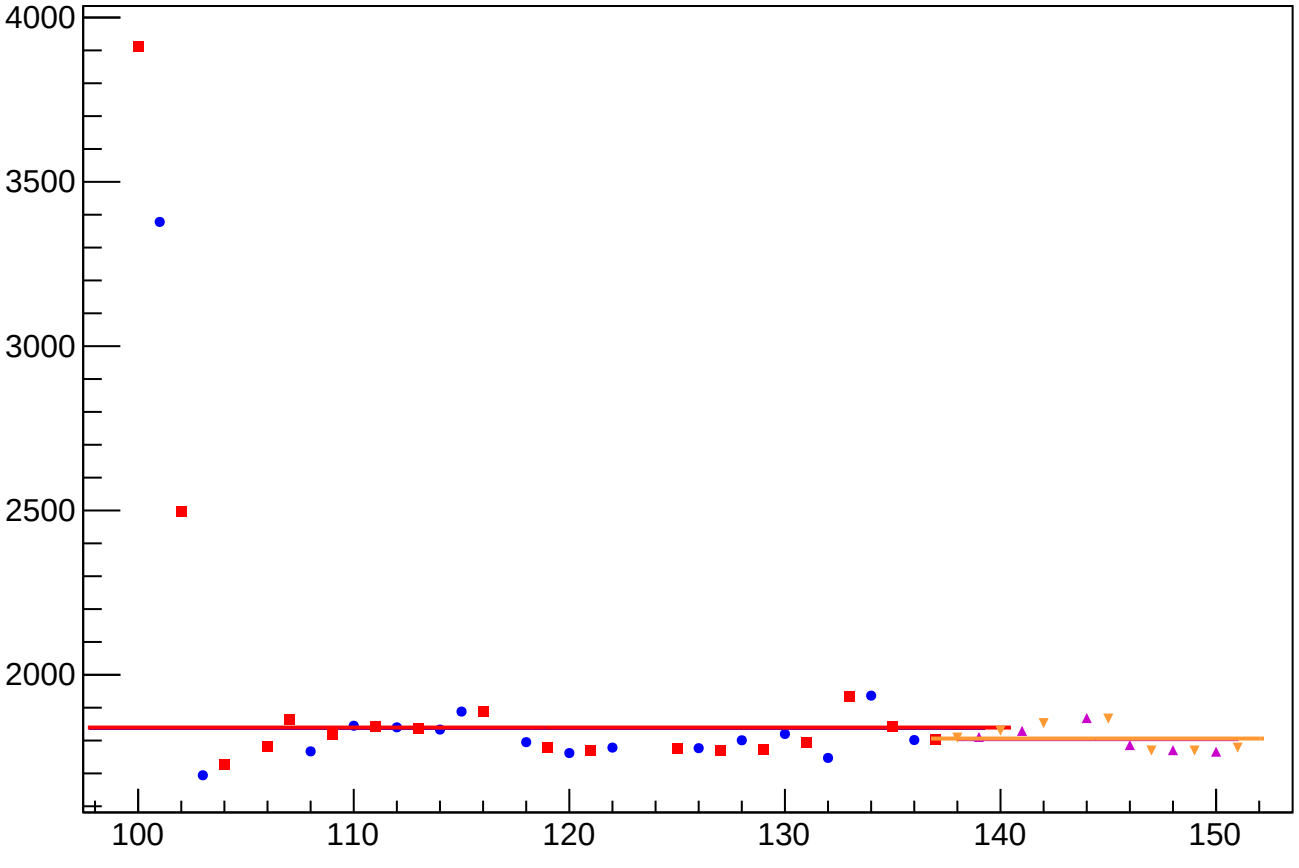
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 895.298+/-0.190 χ^2/NDF:2739714.4/21

Out: 839.209+/-0.180 χ^2/NDF:3413454.3/24

All: 865.674+/-0.131 χ^2/NDF: 6198976.2/46


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: 75.584+/-778.408 χ²/NDF:8.1/6
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -829.288+/-785.904 χ²/NDF:11.6/5
Left: -372.516+/-553.049 χ²/NDF: 20.3/12
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1119.579+/-518.913 χ²/NDF:21.4/21
Out: -265.465+/-516.750 χ²/NDF:19.5/24
All: -690.739+/-366.160 χ²/NDF: 42.3/46



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1806.087+/-0.550 χ^2/NDF:4395.1/6

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1804.265+/-0.556 χ^2/NDF:4109.1/5

Left: 1805.185+/-0.391 χ^2/NDF: 8509.6/12

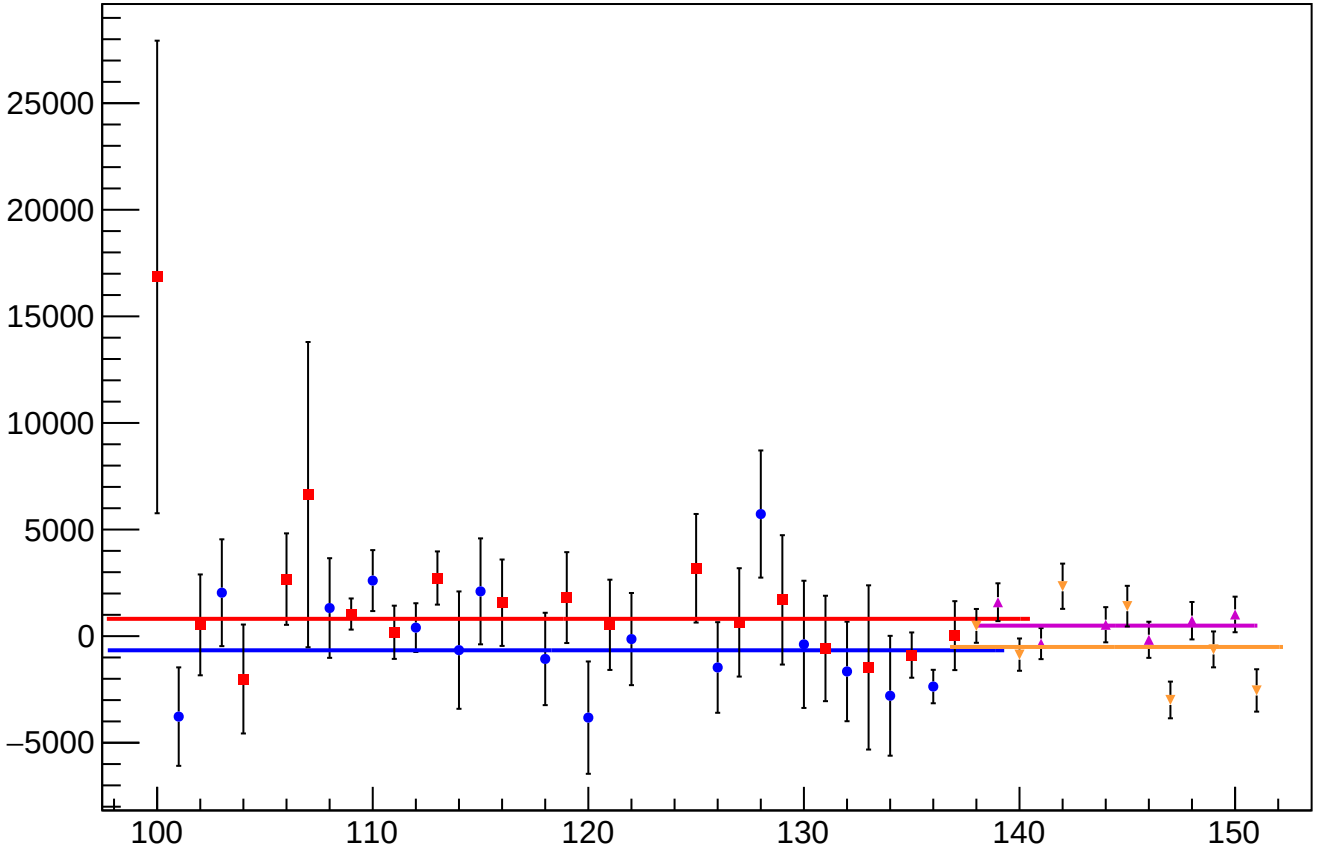
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1823.383+/-0.367 χ^2/NDF:298191.3/21

Out: 1824.785+/-0.365 χ^2/NDF:134711.8/24

All: 1824.087+/-0.259 χ^2/NDF: 432910.5/46

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -507.193+/-331.665 χ^2/NDF:25.6/6

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 492.856+/-337.970 χ^2/NDF:4.0/5

Left: -16.584+/-236.720 χ^2/NDF: 34.0/12

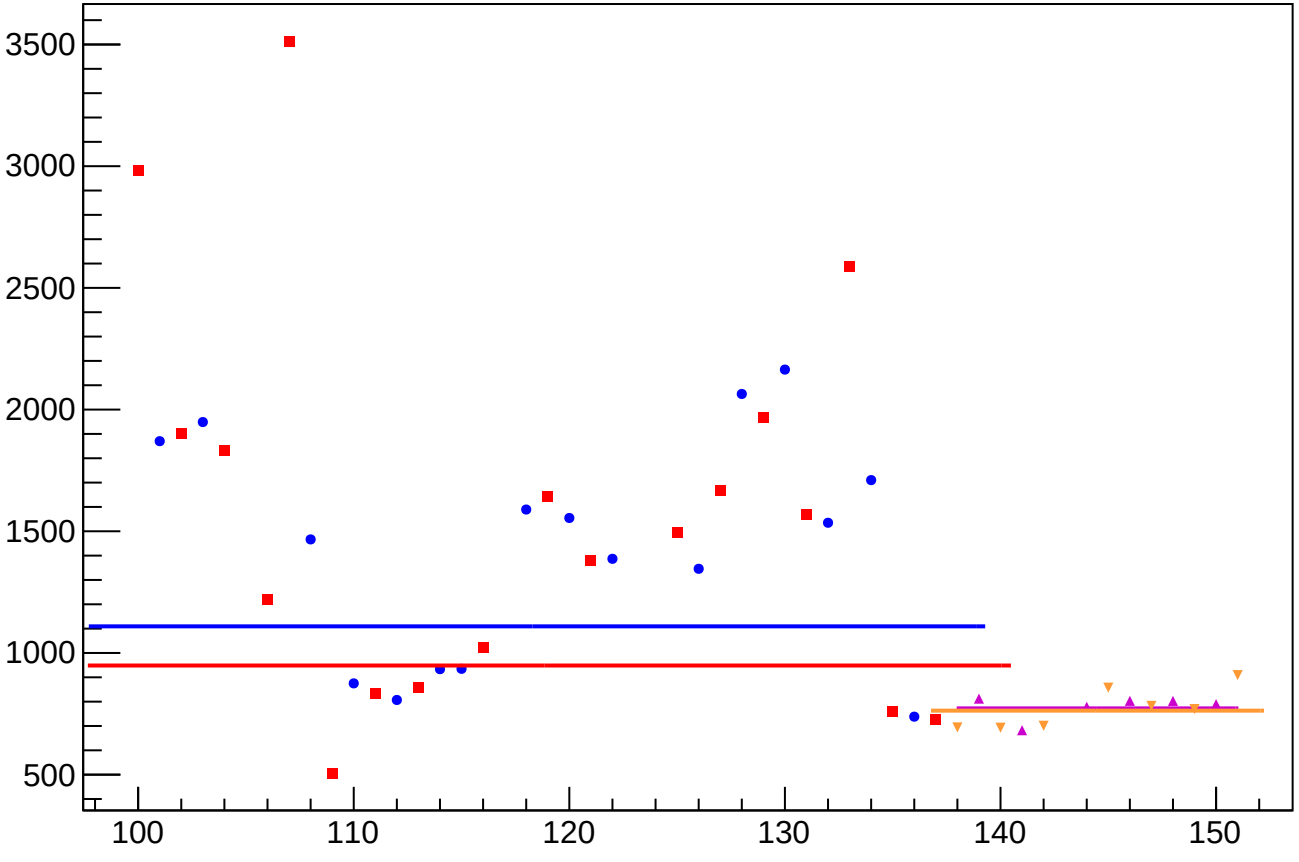
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 70.947+/-269.345 χ^2/NDF:31.0/21

Out: 34.840+/-254.579 χ^2/NDF:44.3/24

All: 51.877+/-185.015 χ^2/NDF: 75.3/46

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 763.051+/-0.235 χ^2/NDF:103050.3/6

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 772.325+/-0.239 χ^2/NDF:40630.6/5

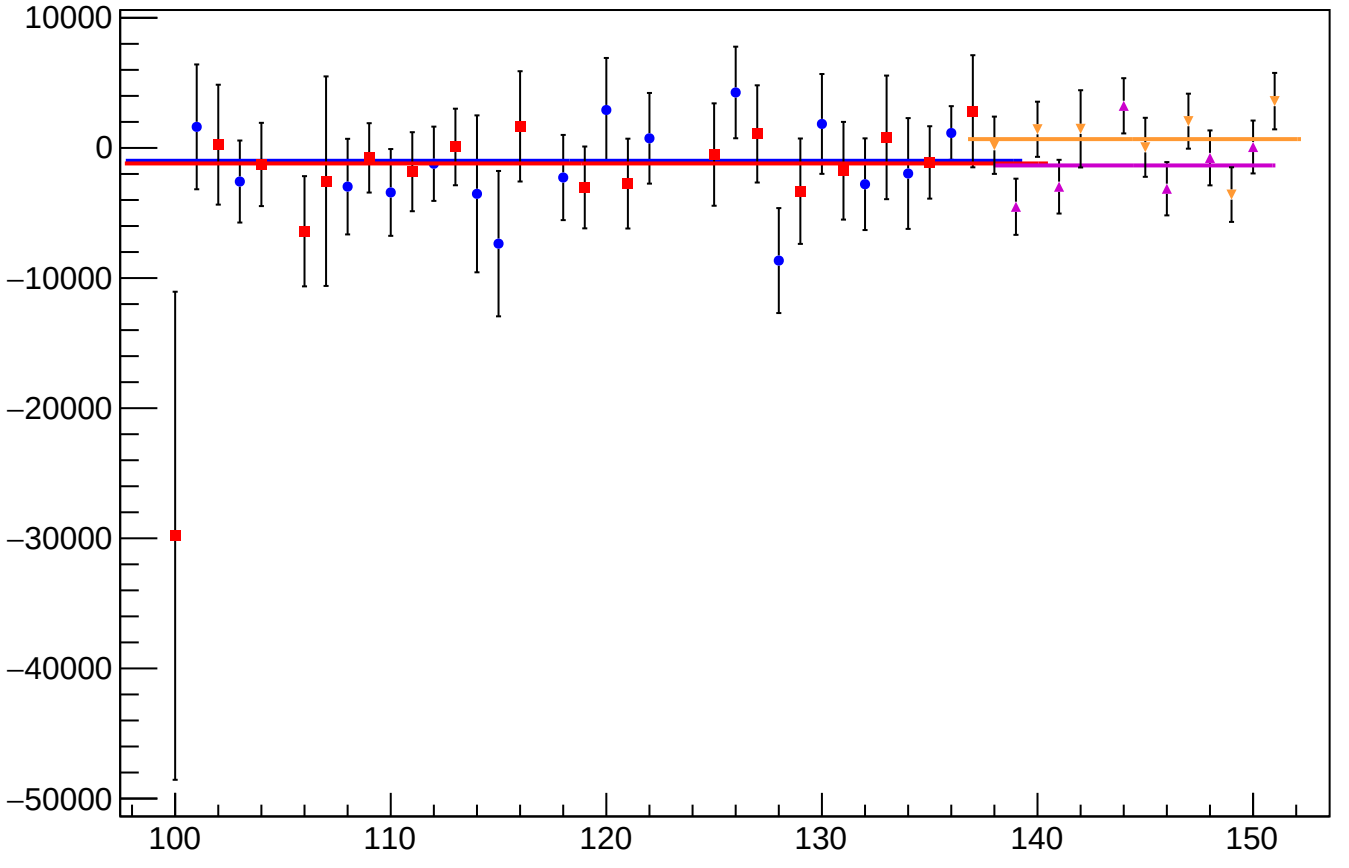
Left: 767.601+/-0.167 χ^2/NDF: 144448.2/12

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 895.300+/-0.190 χ^2/NDF:2739680.5/21

Out: 839.213+/-0.180 χ^2/NDF:3413413.3/24

All: 865.677+/-0.131 χ^2/NDF: 6198898.3/46



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 678.248+/-845.030 χ^2/NDF:6.7/6

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1344.891+/-852.386 χ^2/NDF:8.8/5

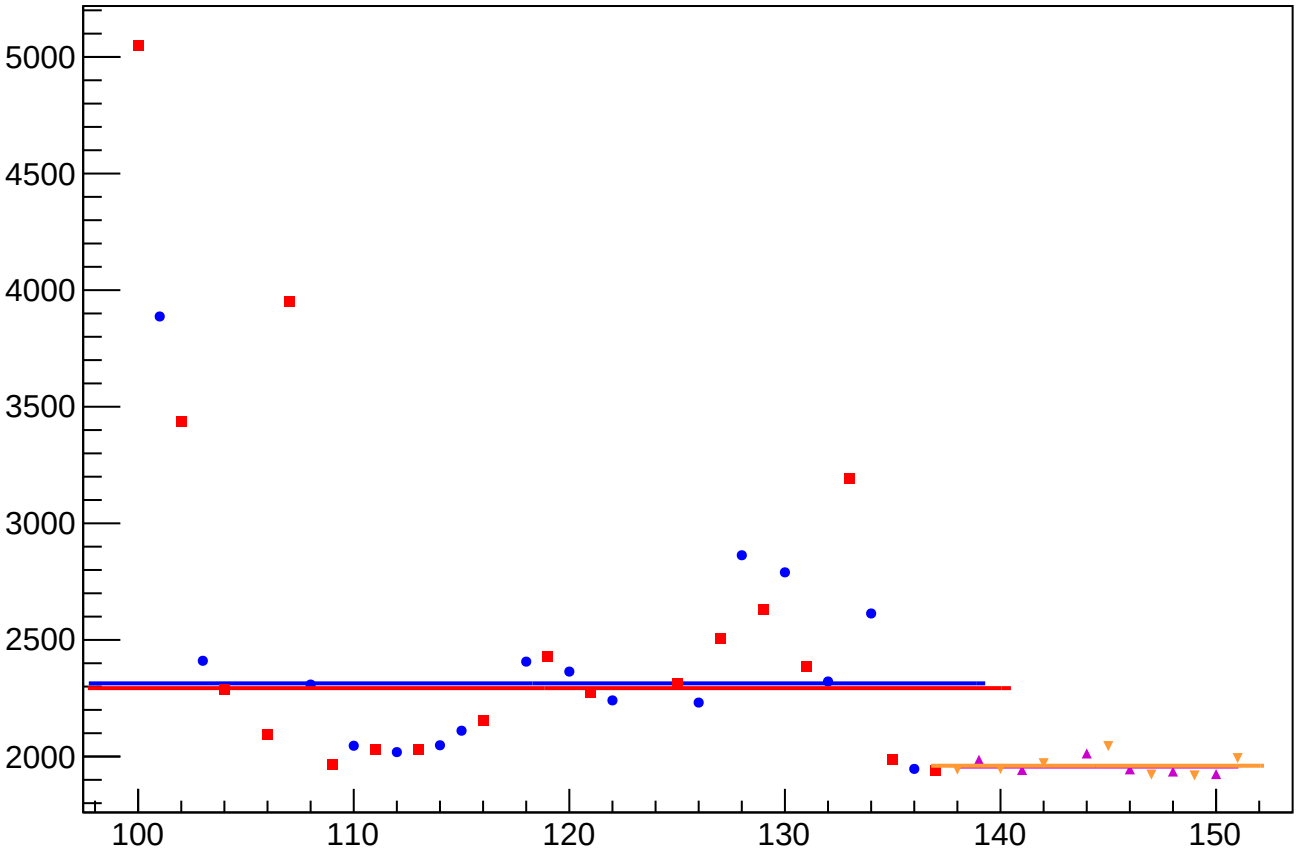
Left: -324.554+/-600.110 χ^2/NDF: 18.3/12

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1170.652+/-610.171 χ^2/NDF:20.9/21

Out: -229.271+/-606.308 χ^2/NDF:16.0/24

All: -696.972+/-430.084 χ^2/NDF: 38.1/46



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1960.540+/-0.598 χ^2/NDF:4865.3/6

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1956.883+/-0.603 χ^2/NDF:2634.5/5

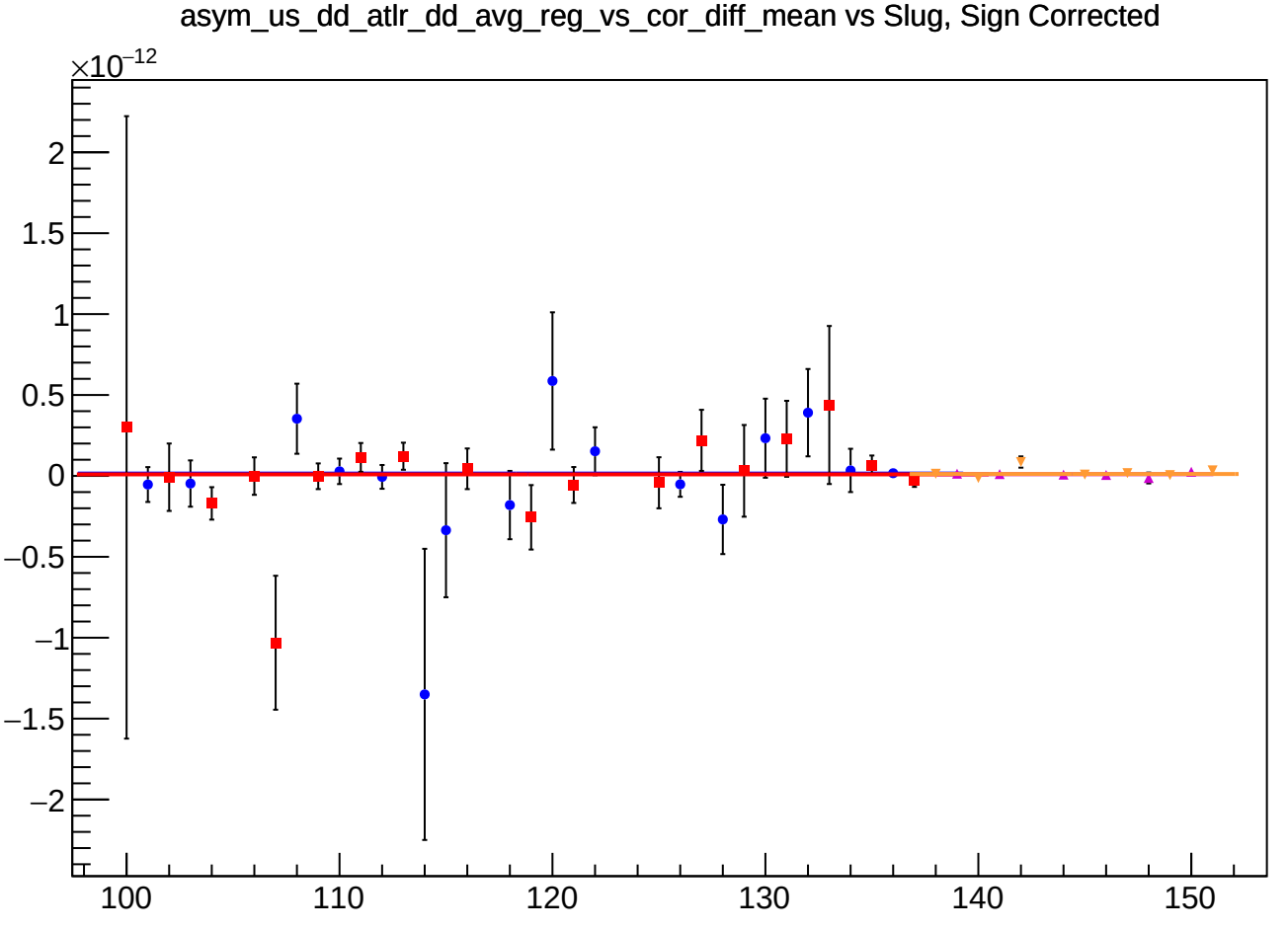
Left: 1958.727+/-0.424 χ^2/NDF: 7518.4/12

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2130.878+/-0.431 χ^2/NDF:576310.0/21

Out: 2121.982+/-0.429 χ^2/NDF:608519.9/24

All: 2126.402+/-0.304 χ^2/NDF: 1185043.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:0.9/5

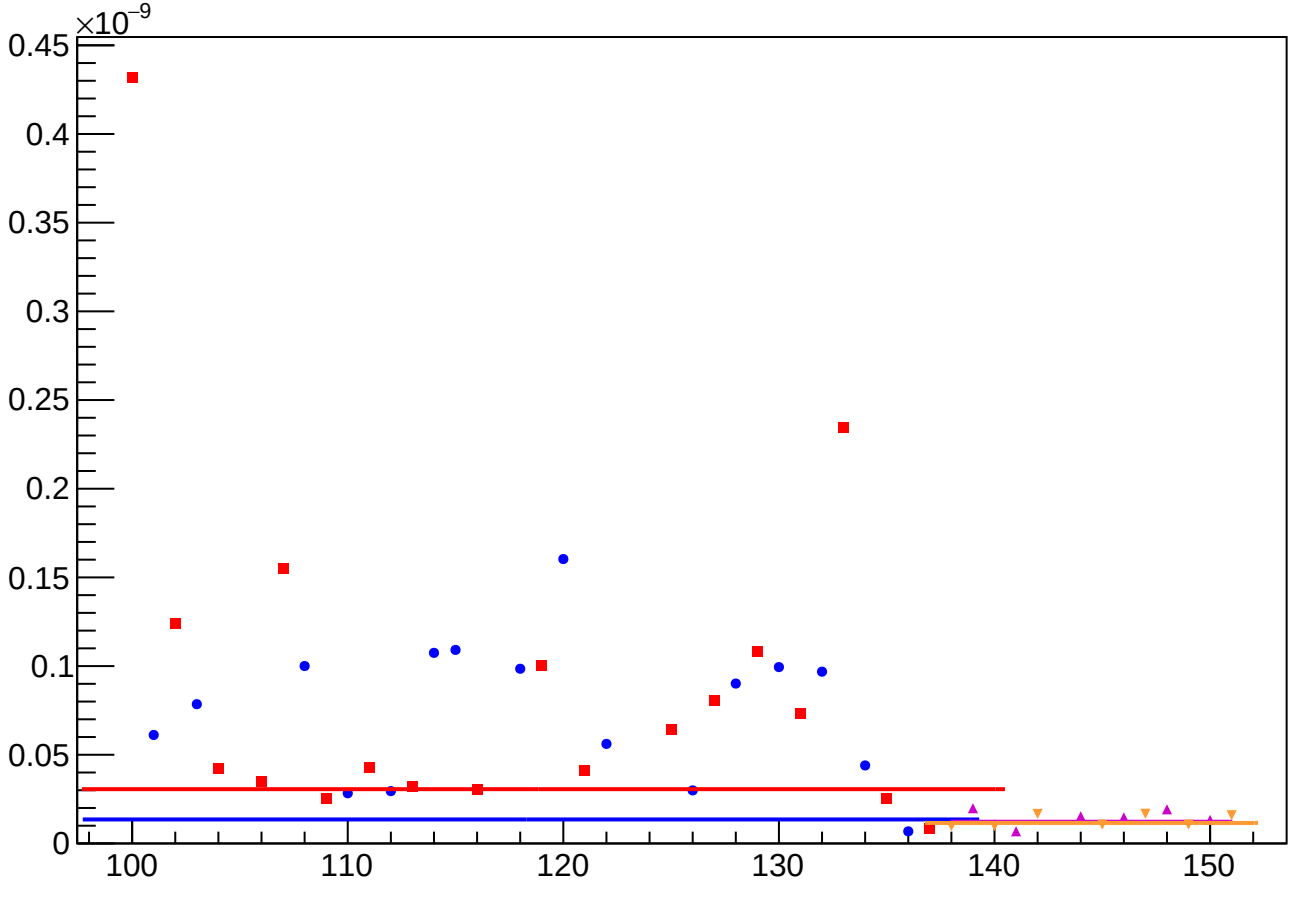
Left: 0.000+/-0.000 χ^2/NDF: 8.1/12

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:16.0/21

Out: 0.000+/-0.000 χ^2/NDF:26.7/24

All: 0.000+/-0.000 χ^2/NDF: 42.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:190324.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:553863.7/5

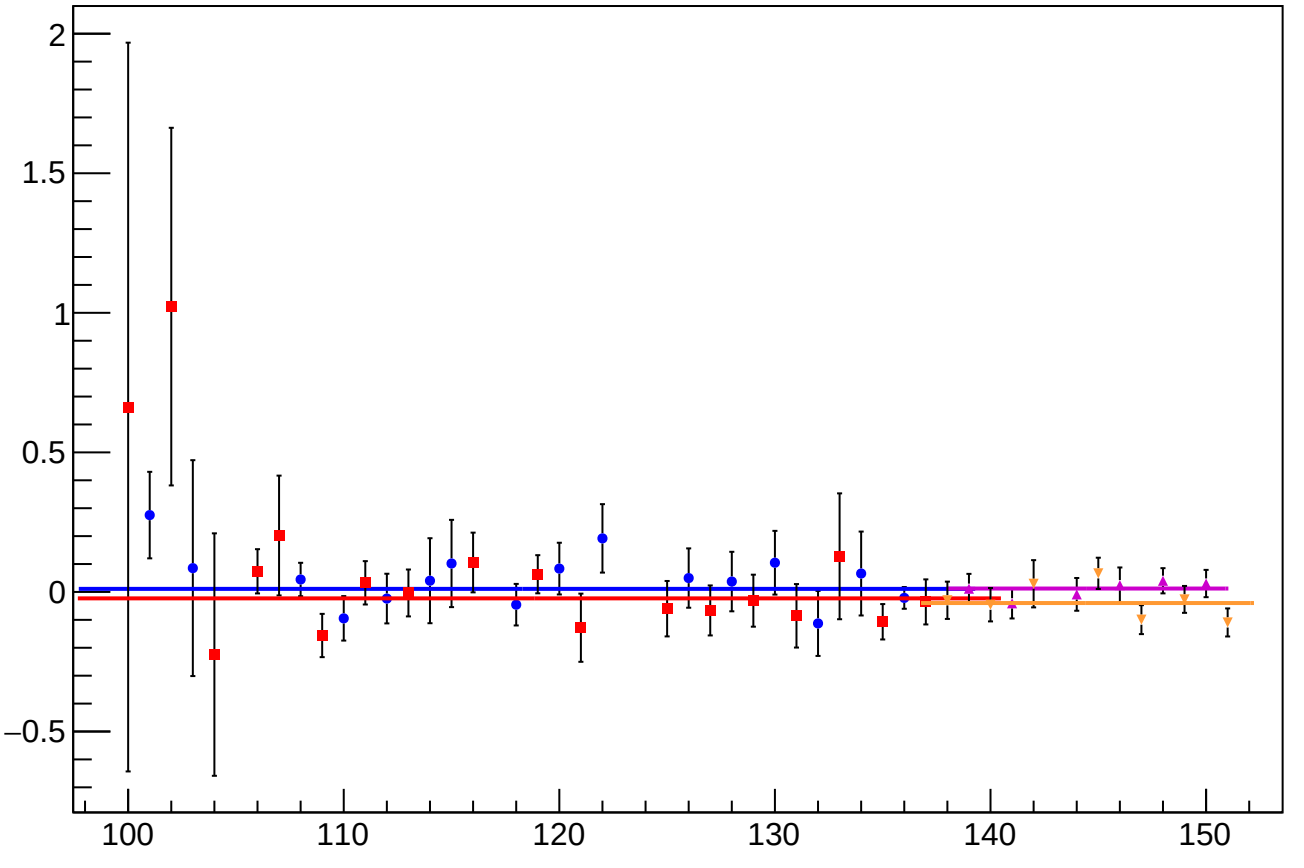
Left: 0.000+/-0.000 χ^2/NDF: 750132.5/12

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:3981638.5/21

Out: 0.000+/-0.000 χ^2/NDF:3646891.3/24

All: 0.000+/-0.000 χ^2/NDF: 7647919.9/46



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.012+/-0.022 χ^2/NDF:1.6/5

Left: -0.014+/-0.015 χ^2/NDF: 12.1/12

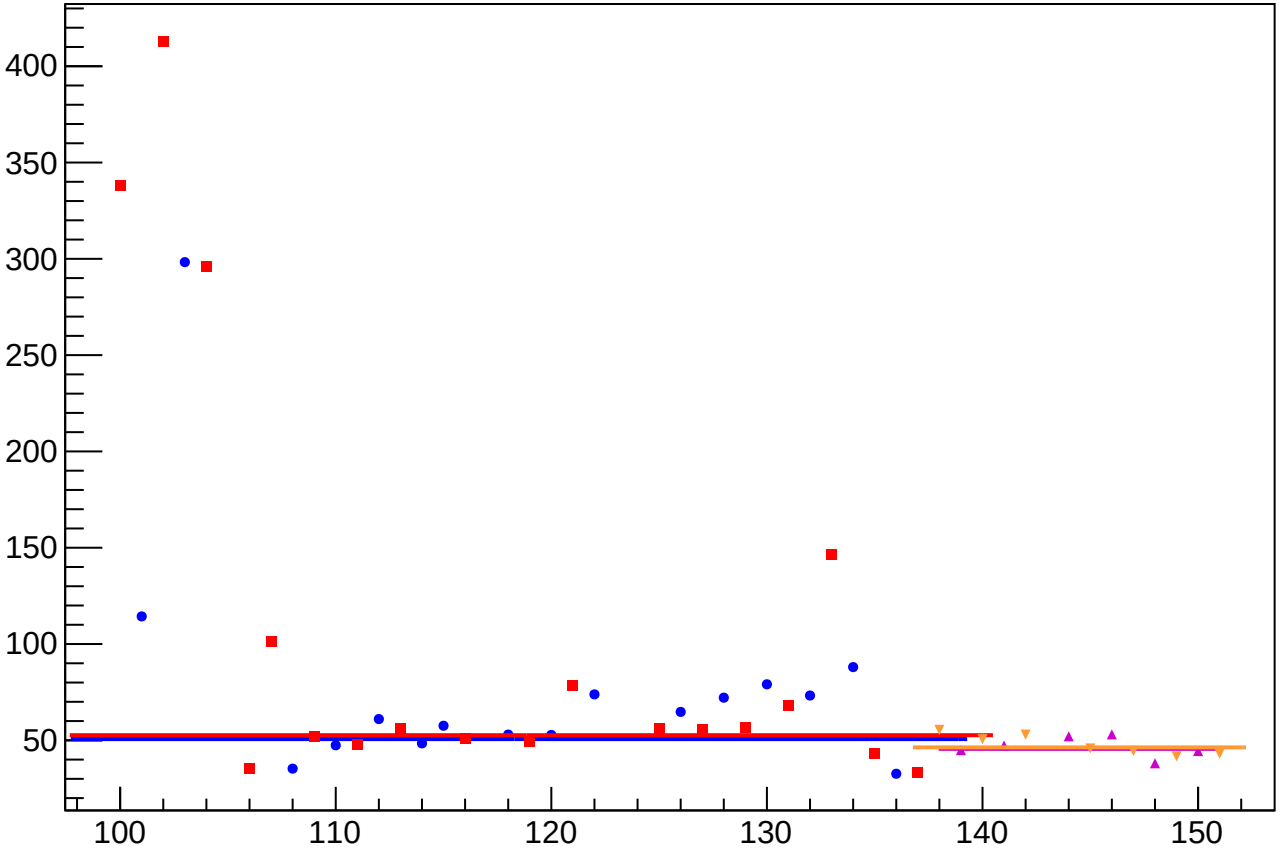
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.015 χ^2/NDF:13.4/21

Out: -0.032+/-0.016 χ^2/NDF:23.8/24

All: -0.010+/-0.011 χ^2/NDF: 41.1/46

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.333+/-0.015 χ^2/NDF:88942.1/6

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.572+/-0.015 χ^2/NDF:111609.6/5

Left: 45.954+/-0.011 χ^2/NDF: 201796.0/12

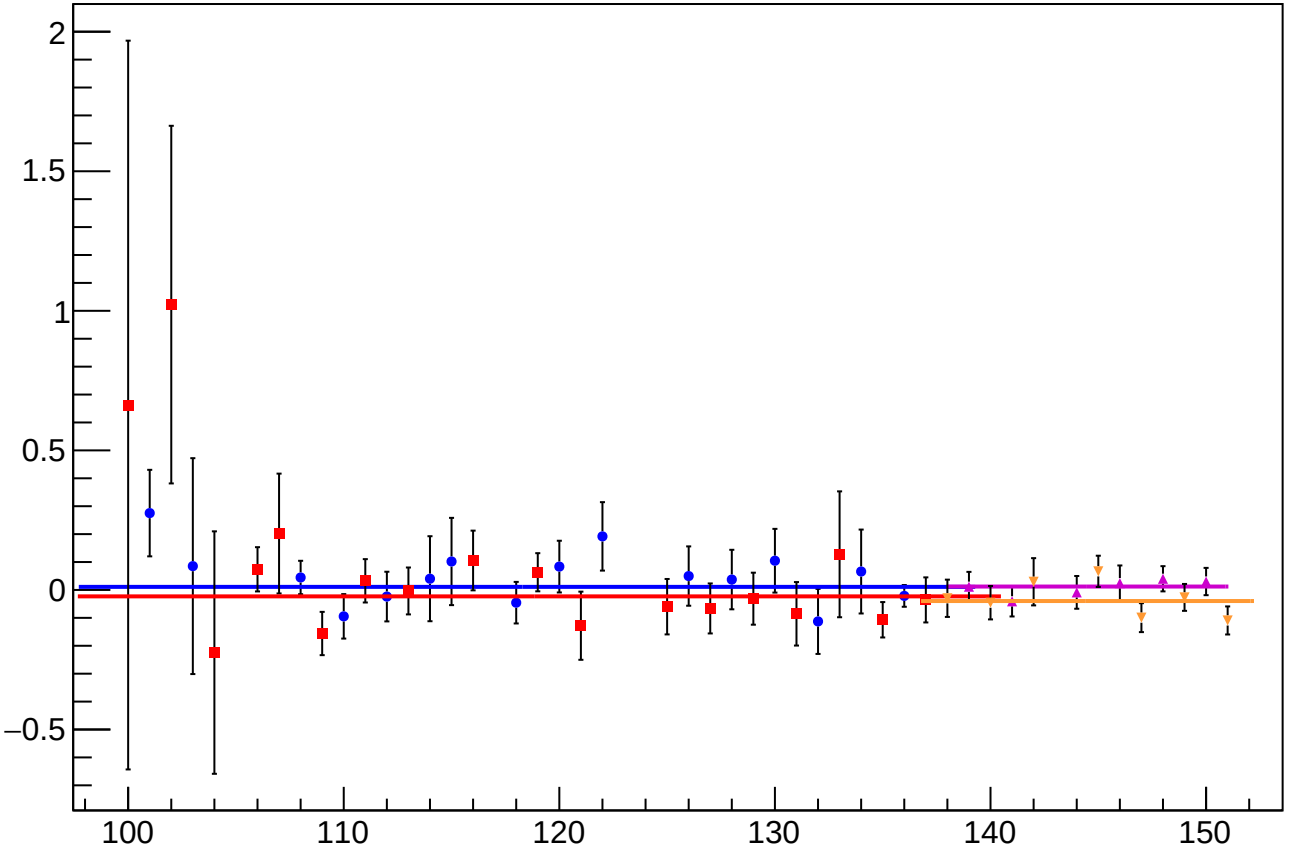
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.078+/-0.011 χ^2/NDF:2432506.8/21

Out: 49.273+/-0.011 χ^2/NDF:2381329.6/24

All: 48.661+/-0.008 χ^2/NDF: 4819740.4/46

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: -0.040+/-0.022 χ^2/NDF:7.6/6

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.012+/-0.022 χ^2/NDF:1.6/5

Left: -0.014+/-0.015 χ^2/NDF: 12.1/12

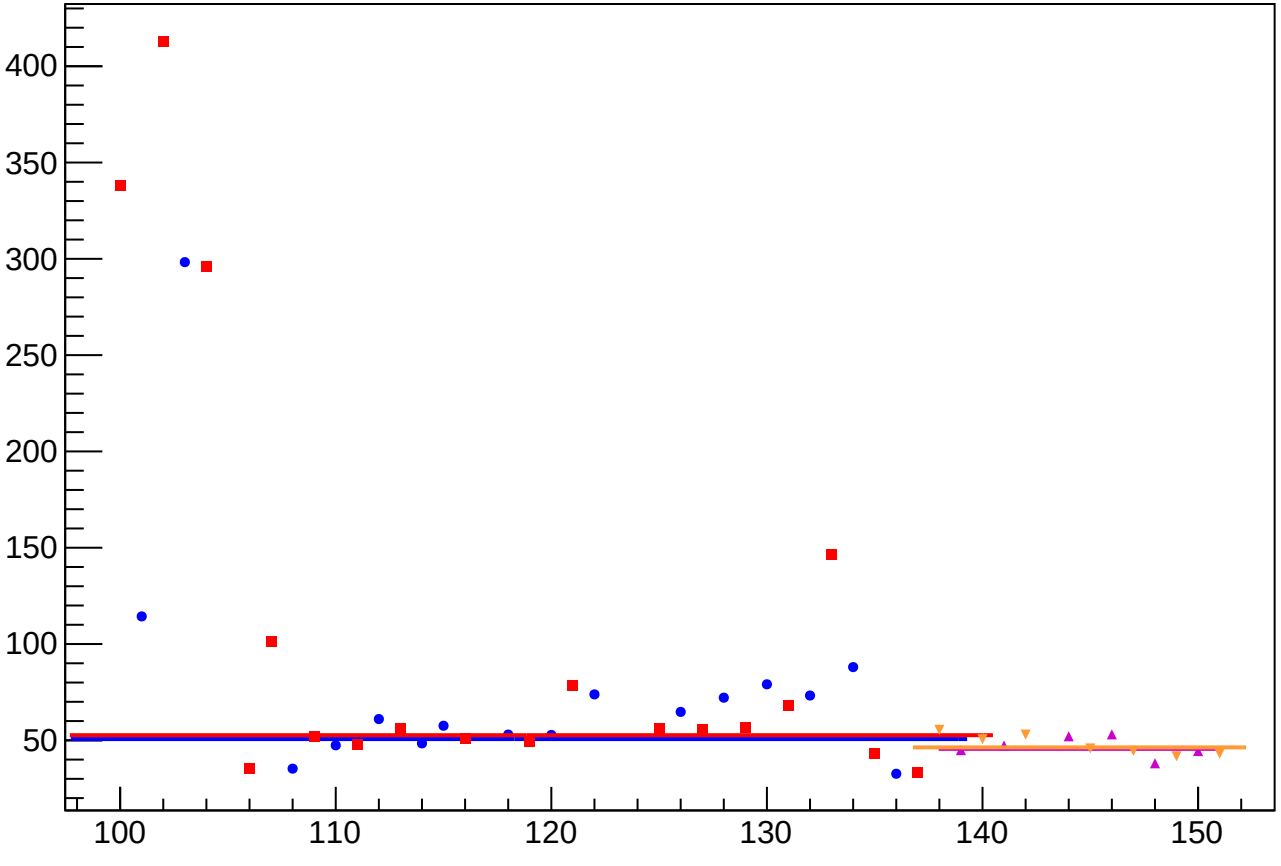
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.015 χ^2/NDF:13.4/21

Out: -0.032+/-0.016 χ^2/NDF:23.8/24

All: -0.010+/-0.011 χ^2/NDF: 41.1/46

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.333+/-0.015 χ^2/NDF:88942.1/6

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.572+/-0.015 χ^2/NDF:111609.6/5

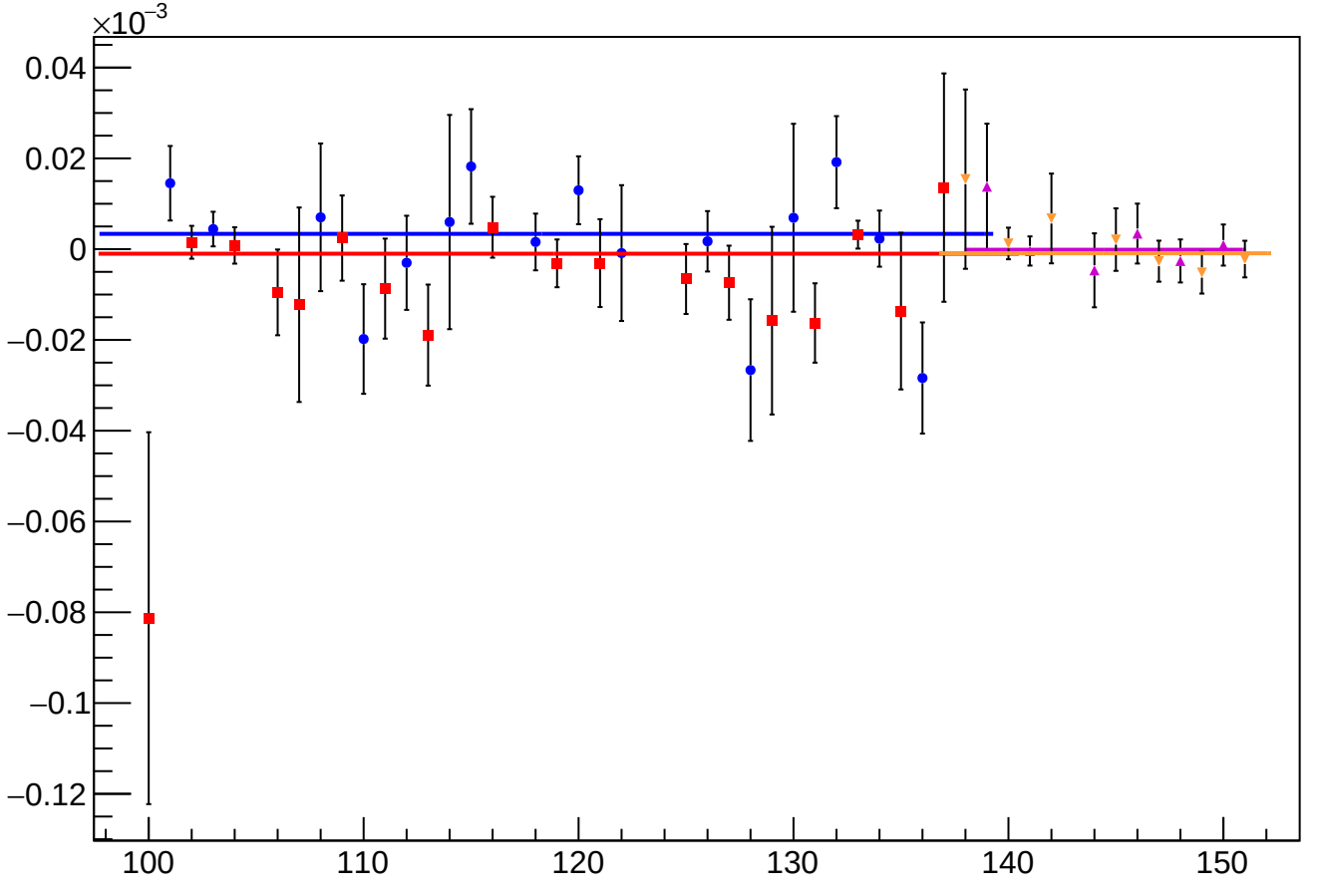
Left: 45.954+/-0.011 χ^2/NDF: 201796.0/12

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.078+/-0.011 χ^2/NDF:2432506.8/21

Out: 49.273+/-0.011 χ^2/NDF:2381329.6/24

All: 48.661+/-0.008 χ^2/NDF: 4819740.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:1.9/5

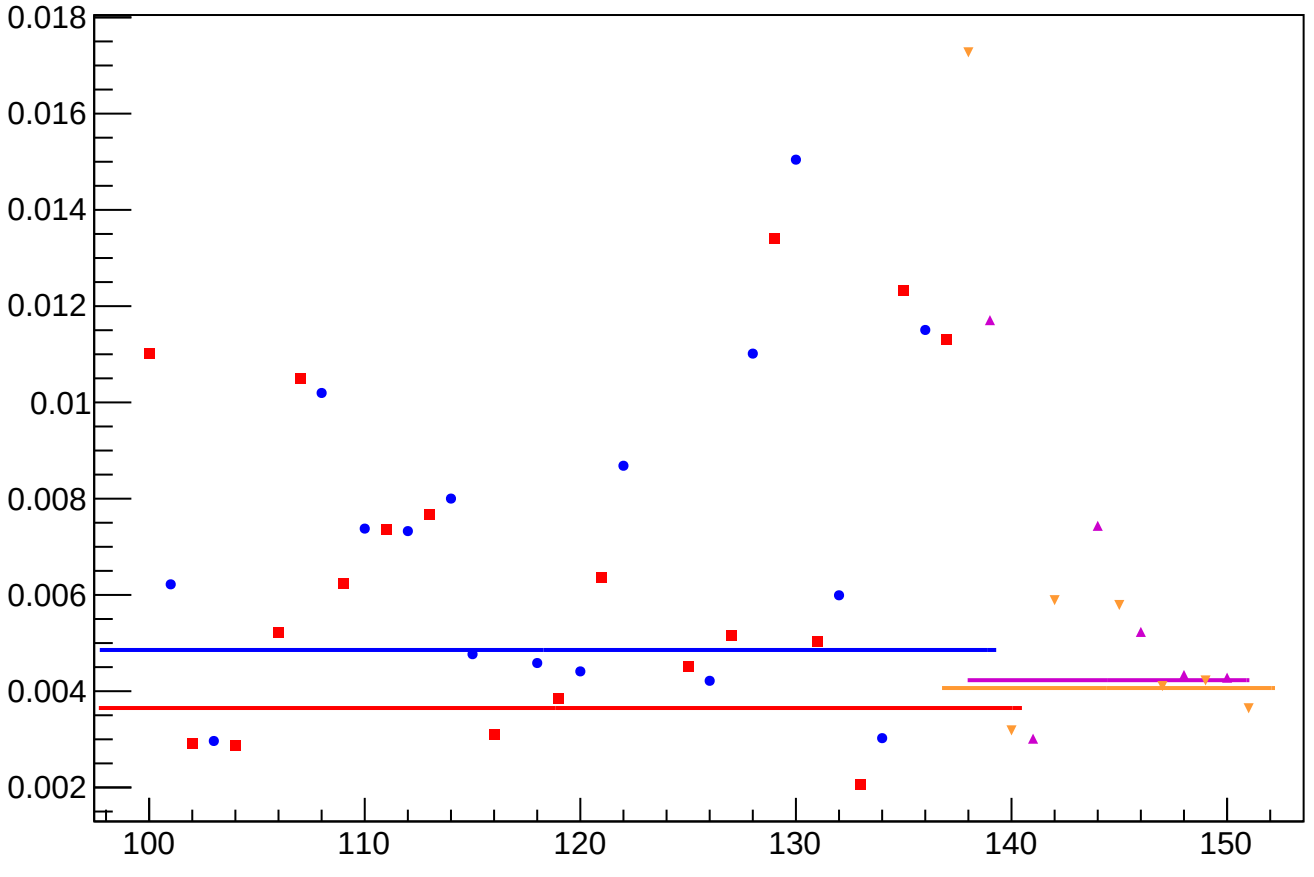
Left: -0.000+/-0.000 χ^2/NDF: 5.0/12

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:25.6/21

Out: -0.000+/-0.000 χ^2/NDF:20.2/24

All: 0.000+/-0.000 χ^2/NDF: 47.6/46



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1239956.6/6

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.004+/-0.000 χ^2/NDF:1224763.2/5

Left: 0.004+/-0.000 χ^2/NDF: 2471429.3/12

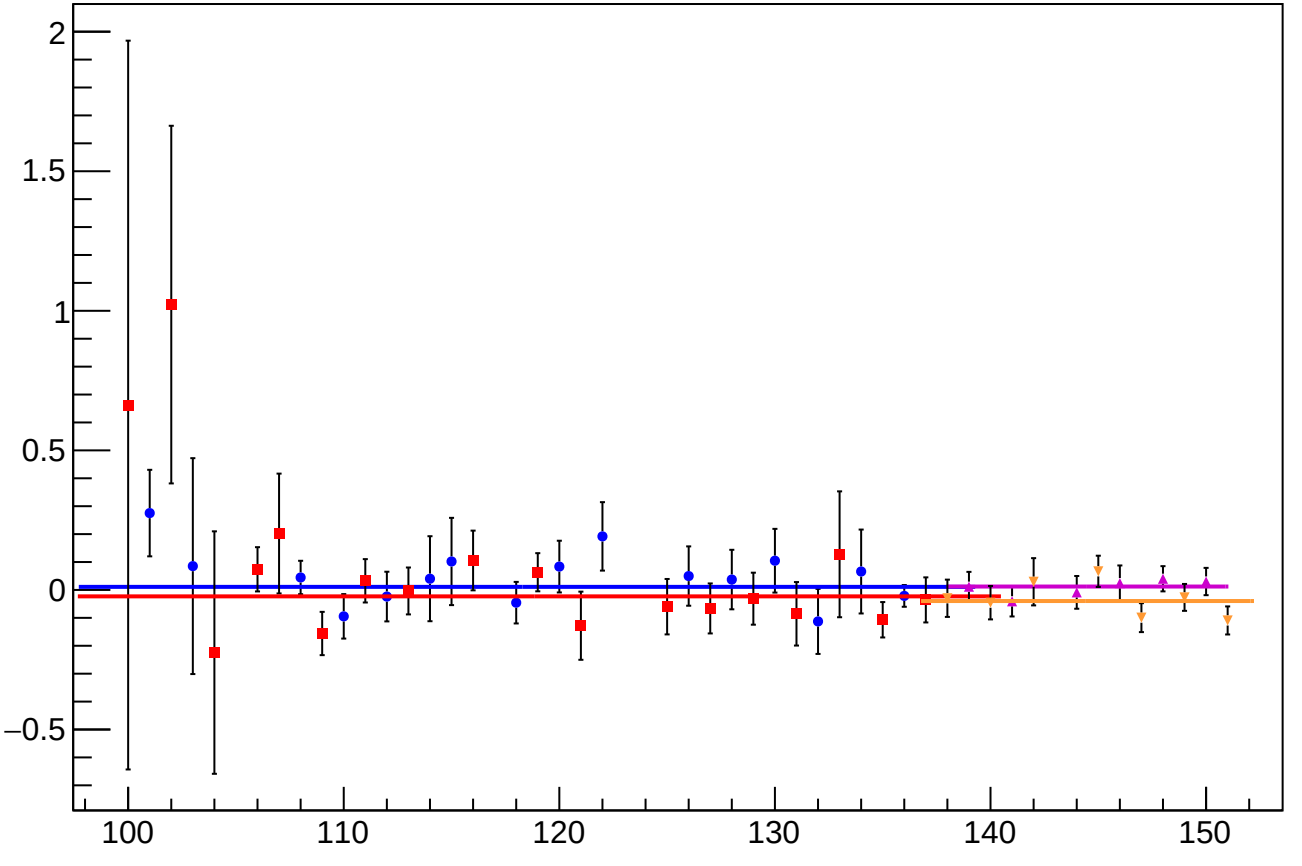
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.005+/-0.000 χ^2/NDF:4061345.7/21

Out: 0.004+/-0.000 χ^2/NDF:4405198.8/24

All: 0.004+/-0.000 χ^2/NDF: 8755931.4/46

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: -0.040+/-0.022 χ^2/NDF:7.6/6

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.012+/-0.022 χ^2/NDF:1.6/5

Left: -0.014+/-0.015 χ^2/NDF: 12.1/12

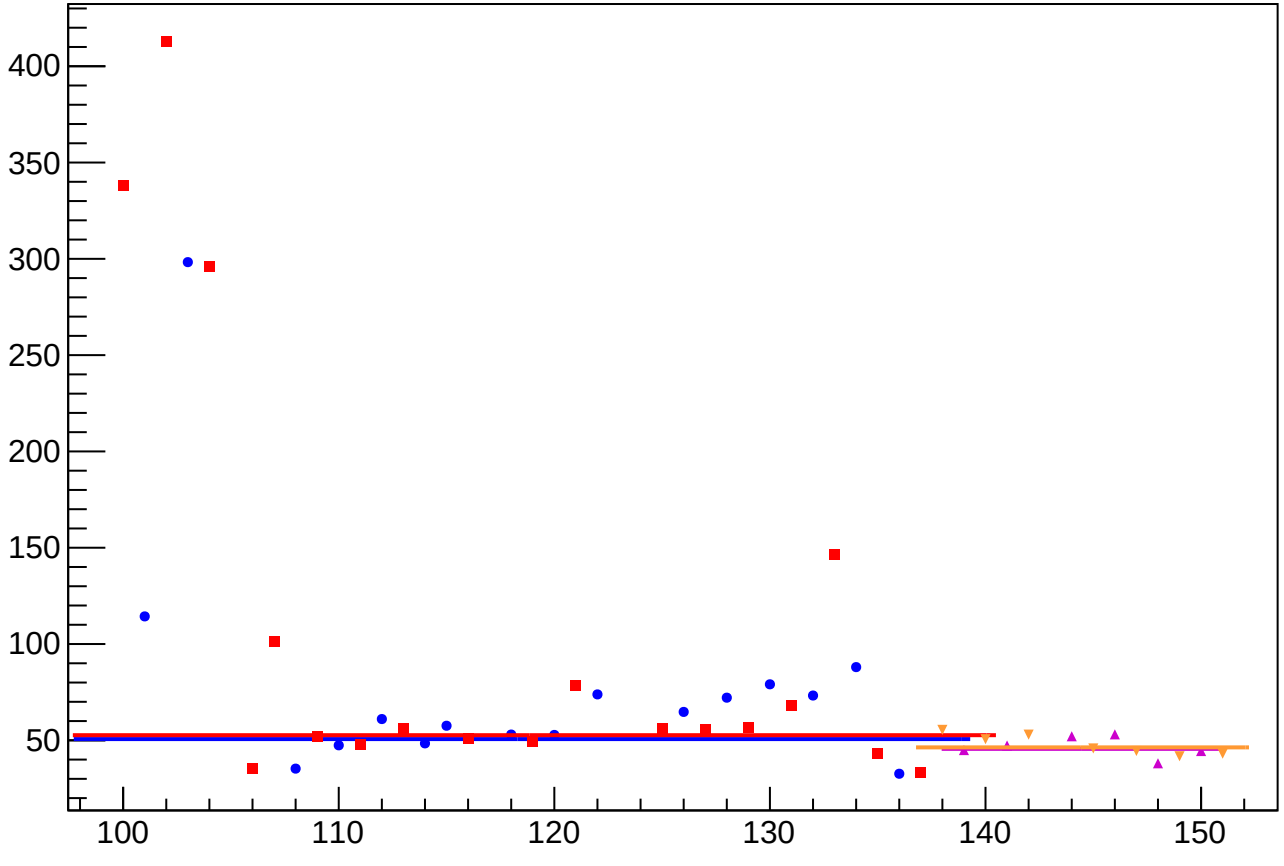
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.015 χ^2/NDF:13.4/21

Out: -0.032+/-0.016 χ^2/NDF:23.8/24

All: -0.010+/-0.011 χ^2/NDF: 41.1/46

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.333+/-0.015 χ^2/NDF:88975.2/6

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.573+/-0.015 χ^2/NDF:111589.0/5

Left: 45.954+/-0.011 χ^2/NDF: 201808.6/12

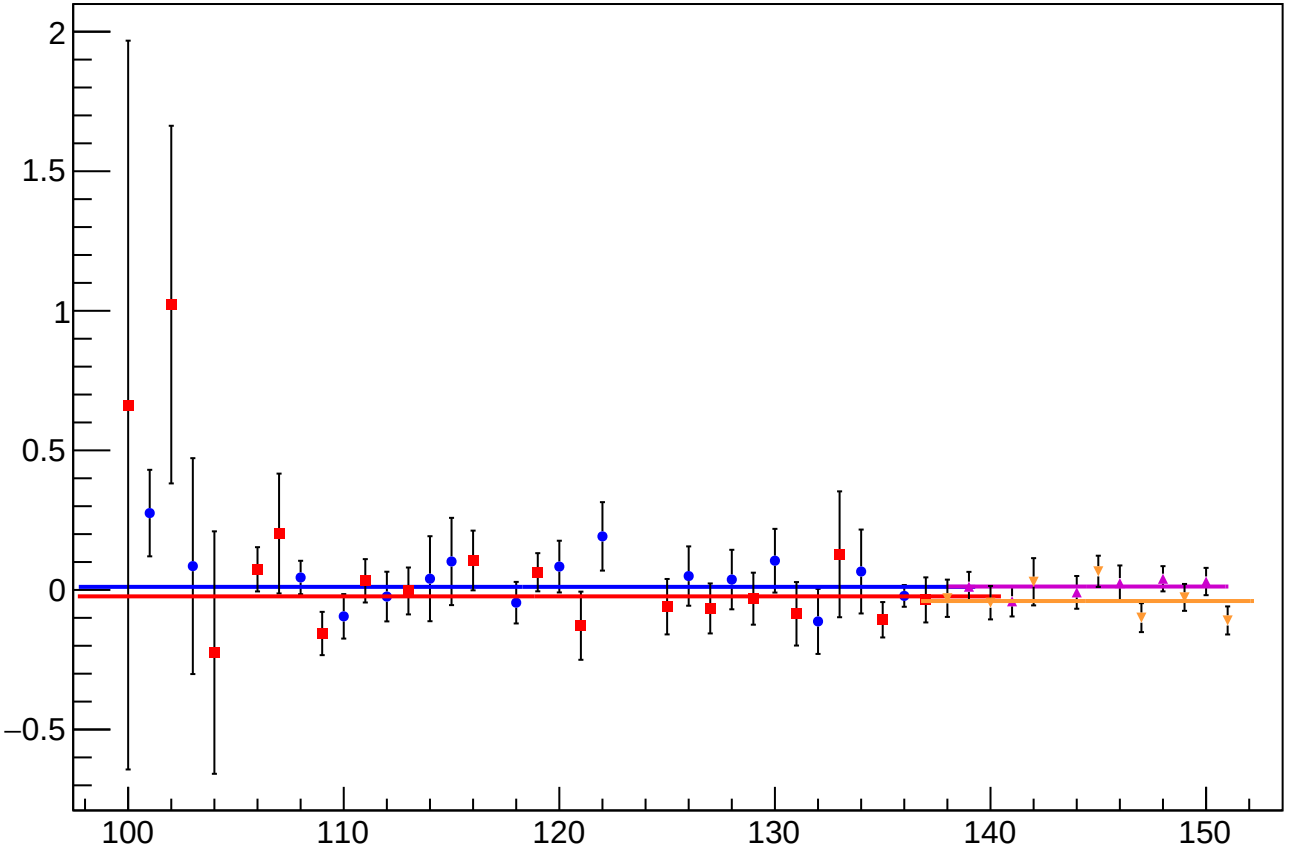
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.078+/-0.011 χ^2/NDF:2432390.0/21

Out: 49.274+/-0.011 χ^2/NDF:2381255.3/24

All: 48.662+/-0.008 χ^2/NDF: 4819550.7/46

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: -0.040+/-0.022 χ^2/NDF:7.6/6

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.012+/-0.022 χ^2/NDF:1.6/5

Left: -0.014+/-0.015 χ^2/NDF: 12.1/12

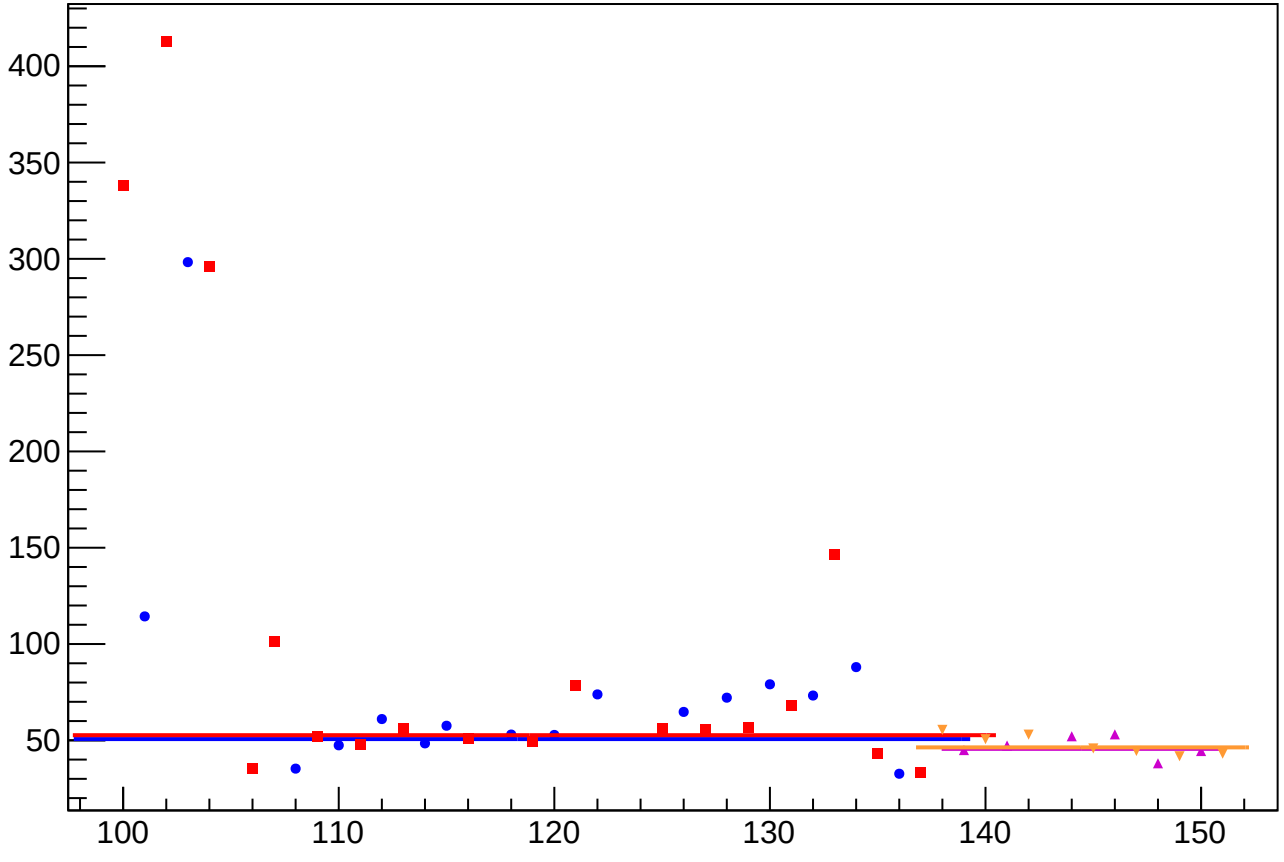
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.015 χ^2/NDF:13.4/21

Out: -0.032+/-0.016 χ^2/NDF:23.8/24

All: -0.010+/-0.011 χ^2/NDF: 41.1/46

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.333+/-0.015 χ^2/NDF:88975.2/6

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.573+/-0.015 χ^2/NDF:111589.0/5

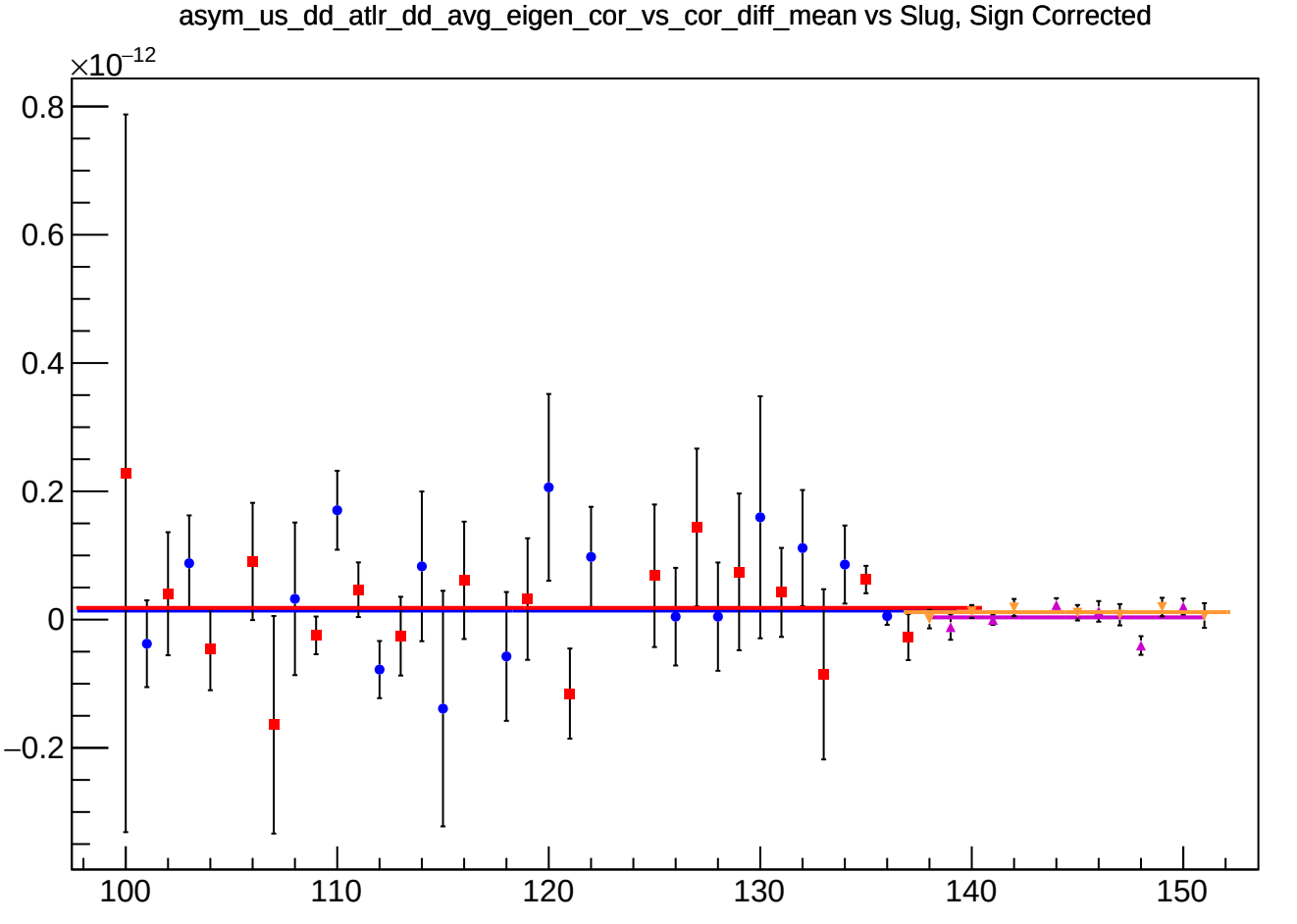
Left: 45.954+/-0.011 χ^2/NDF: 201808.6/12

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.078+/-0.011 χ^2/NDF:2432390.0/21

Out: 49.274+/-0.011 χ^2/NDF:2381255.3/24

All: 48.662+/-0.008 χ^2/NDF: 4819550.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.2/5

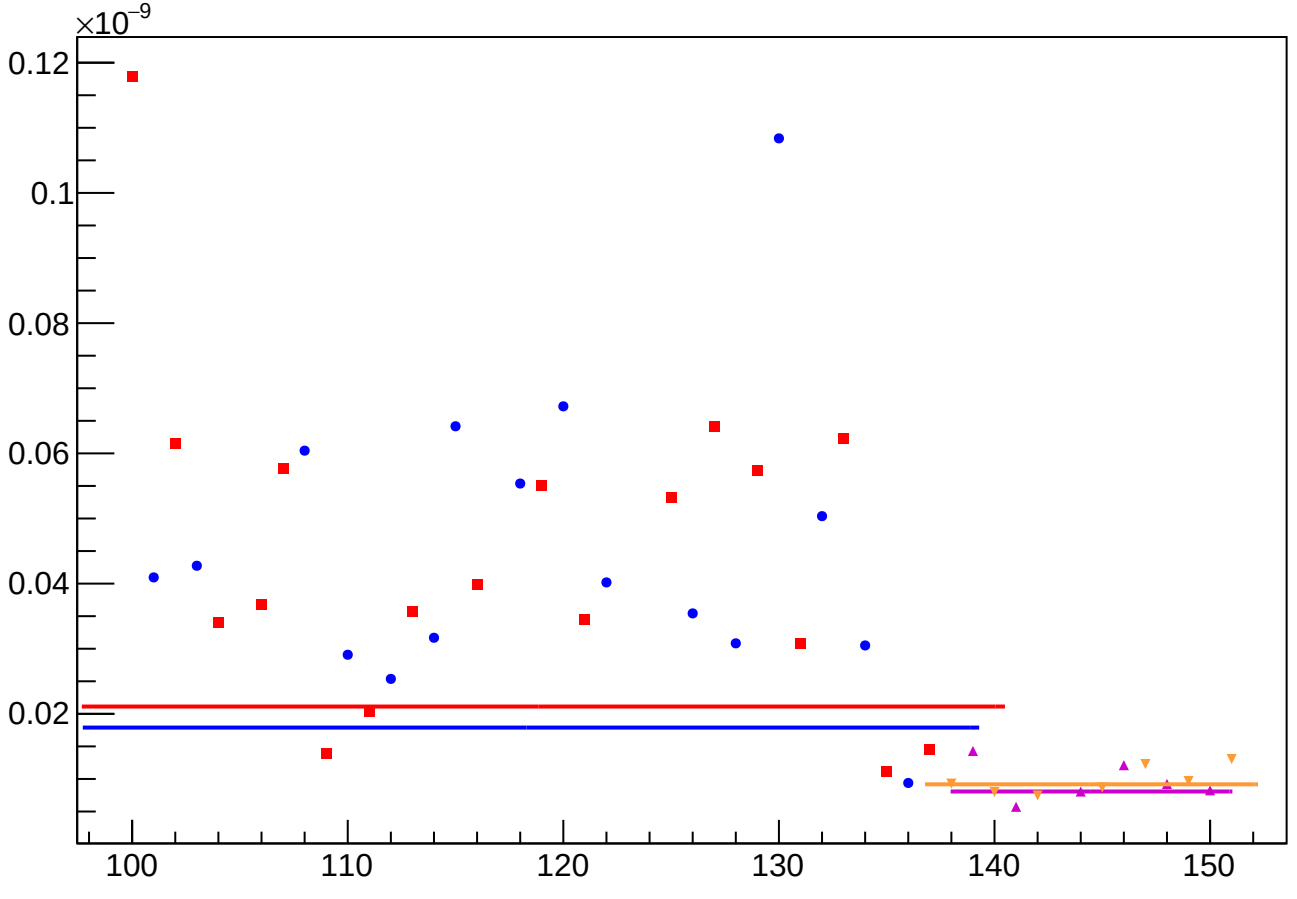
Left: 0.000+/-0.000 χ^2/NDF: 17.9/12

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:36.3/21

Out: 0.000+/-0.000 χ^2/NDF:19.6/24

All: 0.000+/-0.000 χ^2/NDF: 57.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:217282.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:516572.4/5

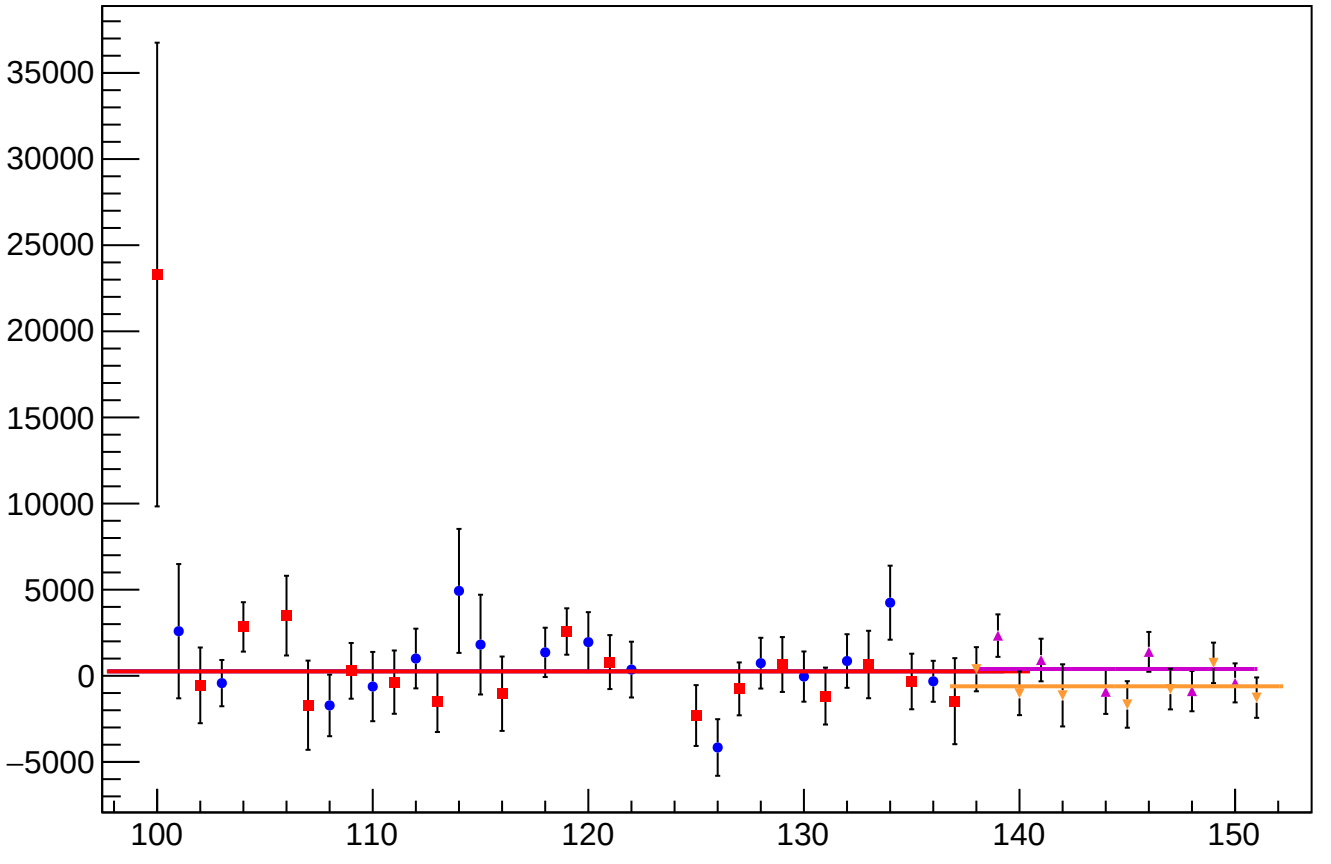
Left: 0.000+/-0.000 χ^2/NDF: 782806.5/12

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5184891.7/21

Out: 0.000+/-0.000 χ^2/NDF:4395797.0/24

All: 0.000+/-0.000 χ^2/NDF: 9658191.7/46



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -609.130+/-484.748 χ^2/NDF:3.1/6

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 395.521+/-489.645 χ^2/NDF:6.2/5

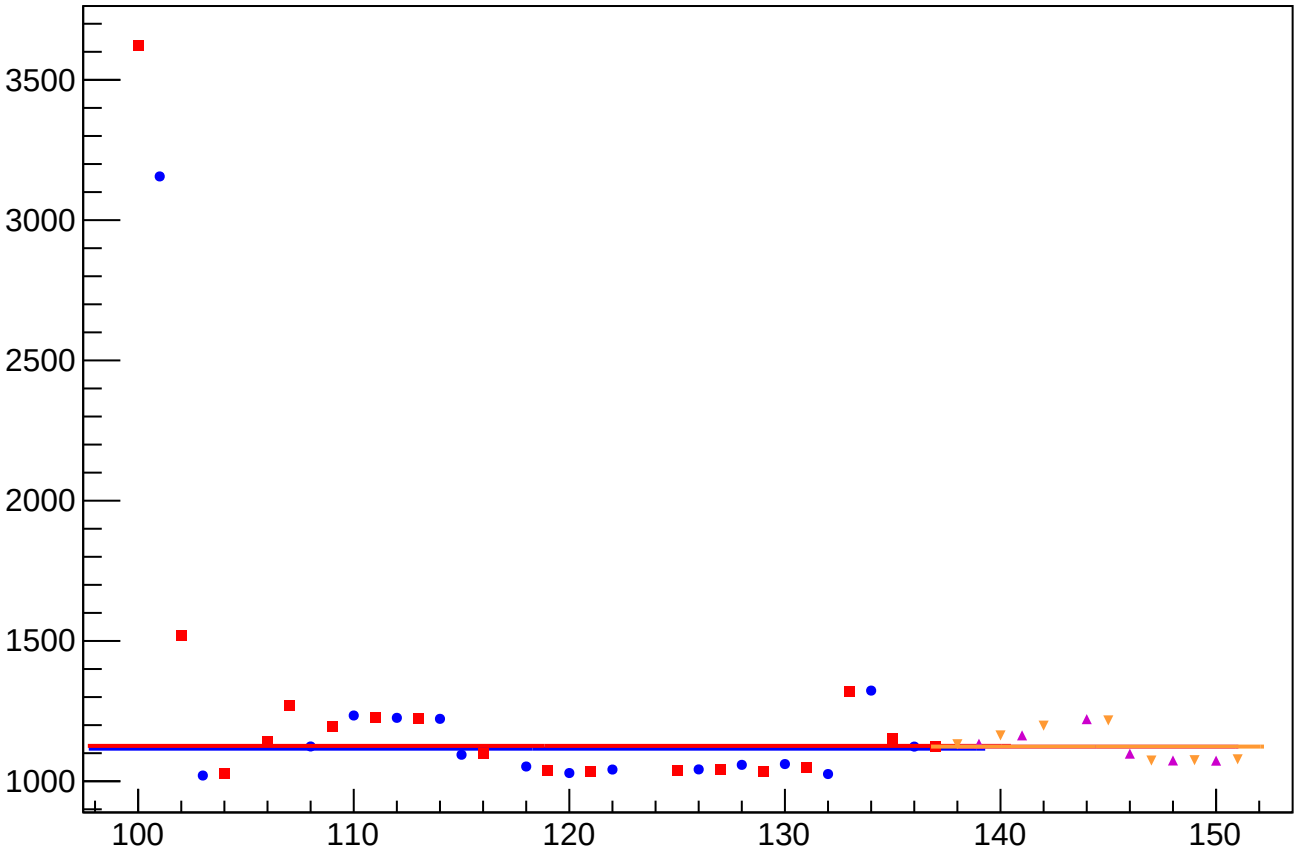
Left: -111.853+/-344.487 χ^2/NDF: 11.3/12

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 318.631+/-320.812 χ^2/NDF:23.1/21

Out: -120.812+/-319.902 χ^2/NDF:22.2/24

All: 98.285+/-226.526 χ^2/NDF: 46.3/46



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1123.535+/-0.343 χ^2/NDF:24963.7/6

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1123.051+/-0.346 χ^2/NDF:22203.2/5

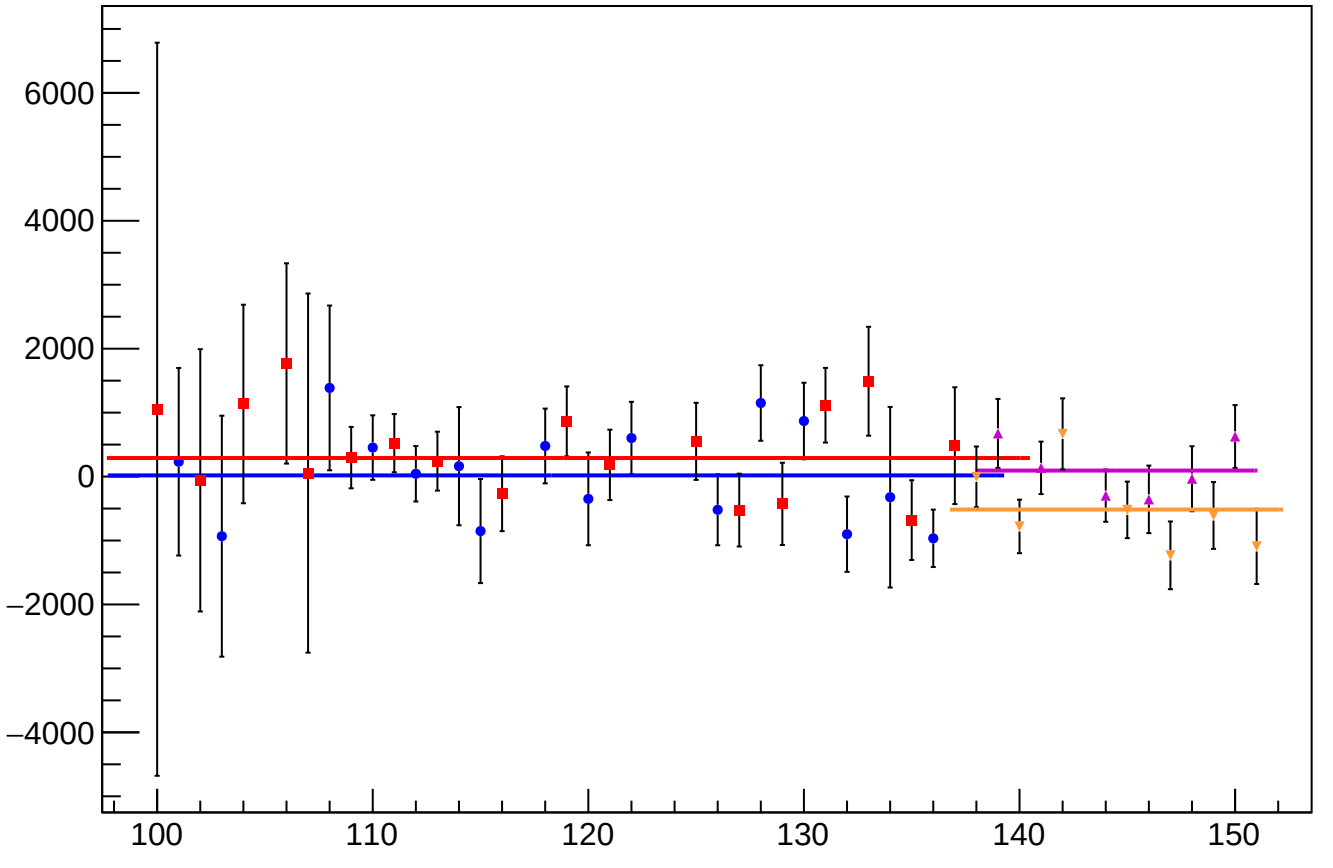
Left: 1123.295+/-0.244 χ^2/NDF: 47167.9/12

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1119.078+/-0.227 χ^2/NDF:645824.8/21

Out: 1124.935+/-0.226 χ^2/NDF:247099.2/24

All: 1122.015+/-0.160 χ^2/NDF: 893258.4/46



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -515.798+/-186.960 χ^2/NDF:8.9/6

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 93.998+/-192.623 χ^2/NDF:4.1/5

Left: -219.995+/-134.158 χ^2/NDF: 18.1/12

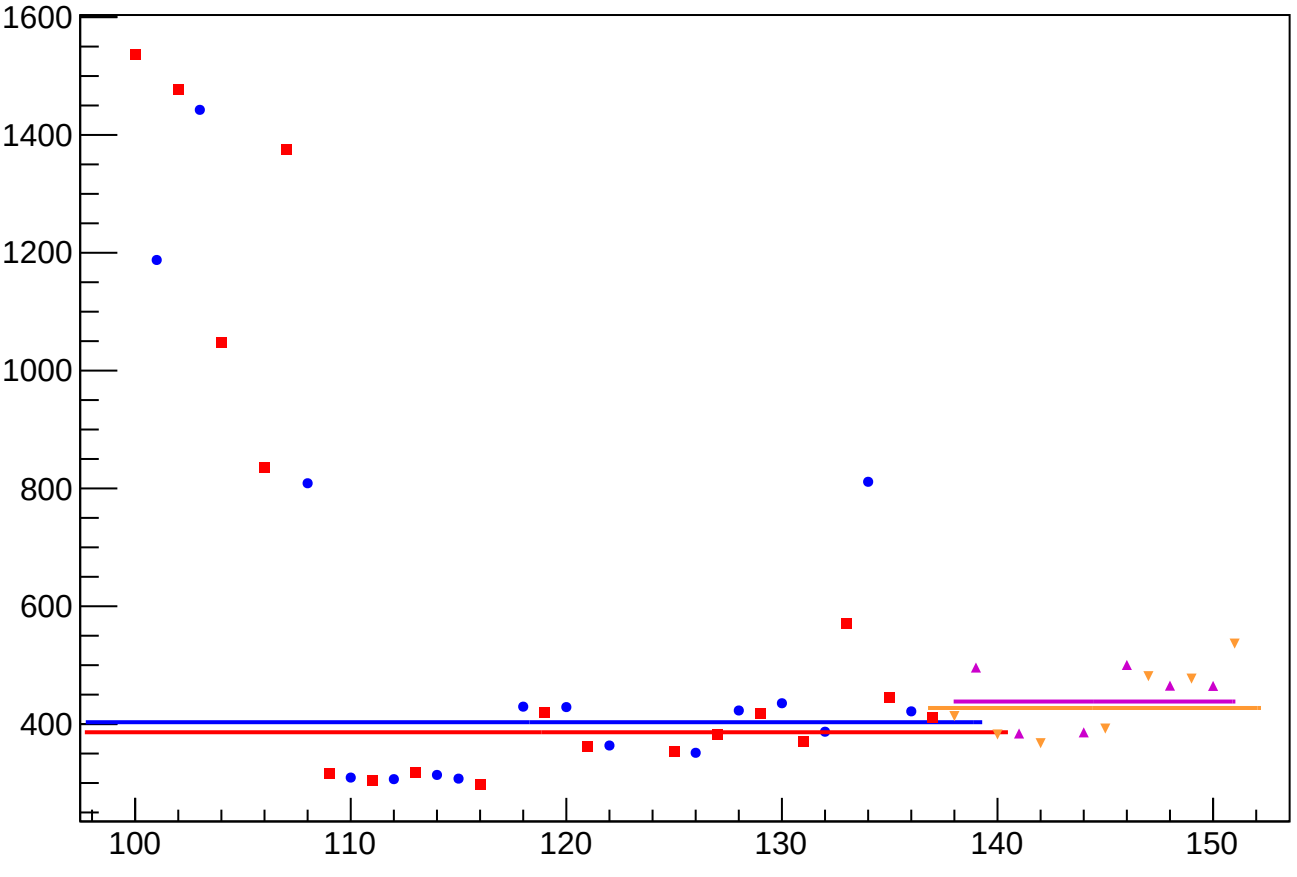
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 49.586+/-123.639 χ^2/NDF:23.3/21

Out: -41.248+/-119.865 χ^2/NDF:33.3/24

All: 2.761+/-86.061 χ^2/NDF: 56.9/46

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: 427.337+/-0.132 χ^2/NDF:168337.1/6

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 438.288+/-0.136 χ^2/NDF:129672.6/5

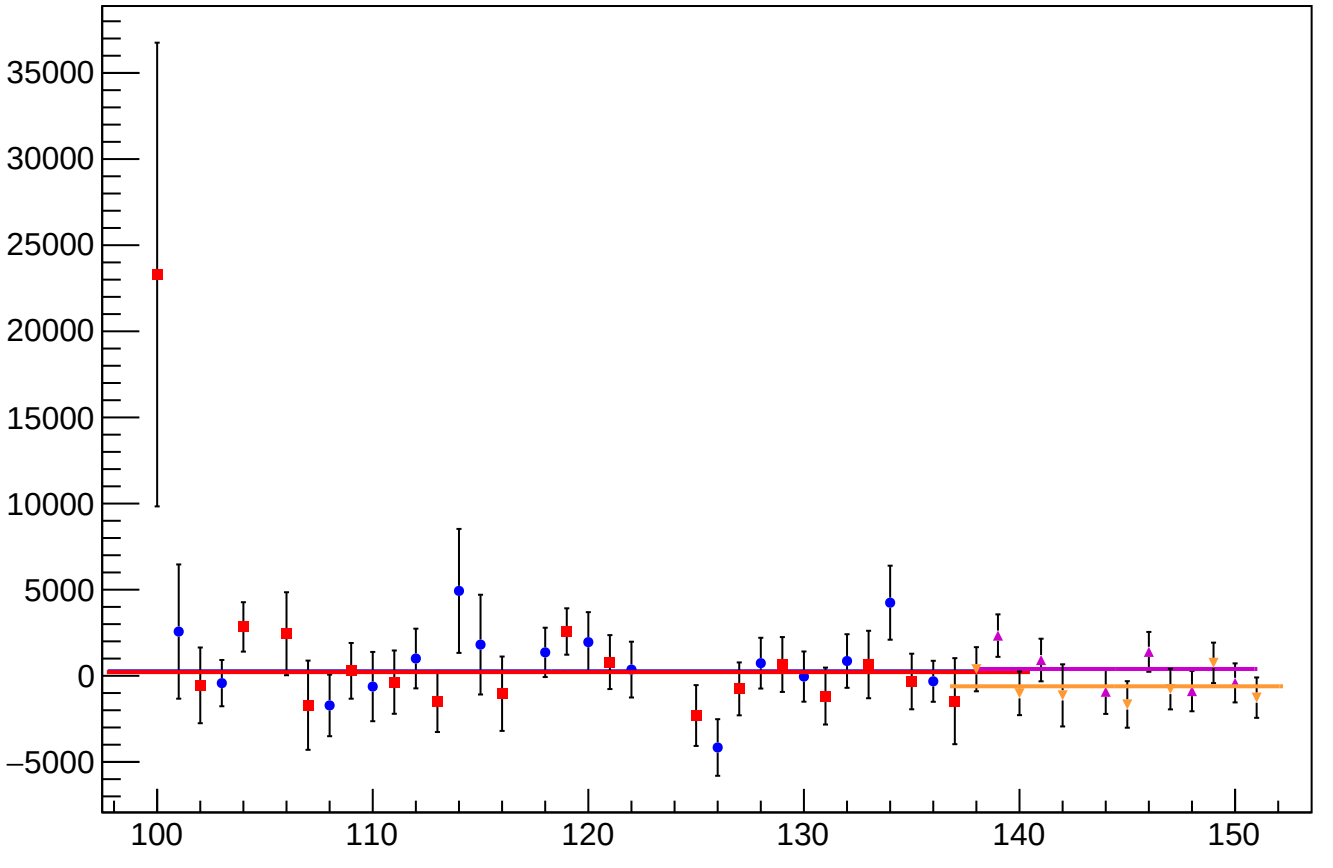
Left: 432.649+/-0.095 χ^2/NDF: 301338.2/12

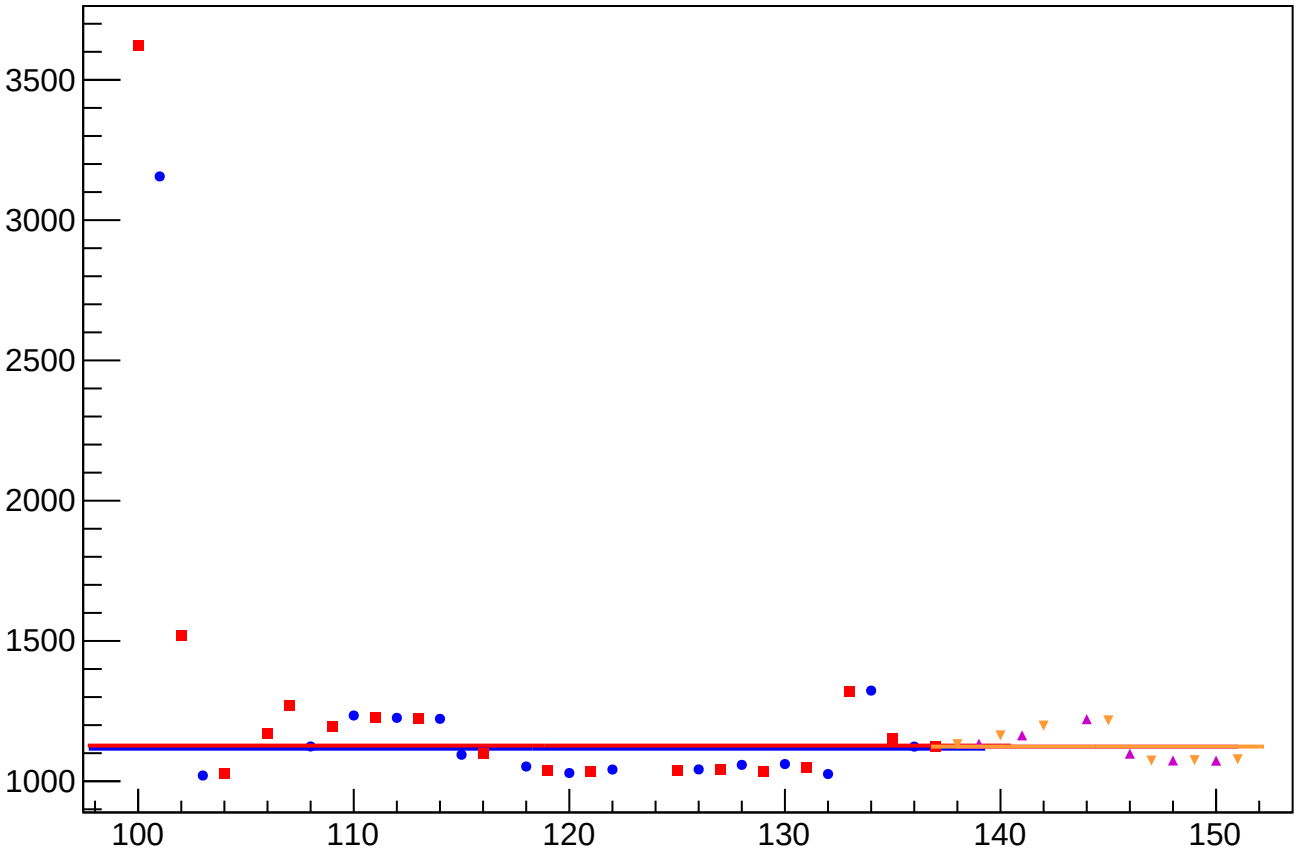
Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 417.652+/-0.087 χ^2/NDF:1977138.9/21

Out: 403.077+/-0.085 χ^2/NDF:1984626.2/24

All: 410.139+/-0.061 χ^2/NDF: 3976093.0/46


cor_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
Right In: 260.415+/-424.657 χ²/NDF: 16.9/15
Left Out: -609.098+/-484.748 χ²/NDF:3.1/6
Right Out: 214.501+/-426.342 χ²/NDF: 16.2/17
Left In: 395.513+/-489.645 χ²/NDF:6.2/5
Left: -111.841+/-344.487 χ²/NDF: 11.3/12
Right: 237.549+/-300.872 χ²/NDF: 33.2/33
In: 318.409+/-320.812 χ²/NDF:23.1/21
Out: -144.717+/-320.138 χ²/NDF:20.9/24
All: 86.359+/-226.610 χ²/NDF: 45.1/46



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1123.535+/-0.343 χ^2/NDF:24963.7/6

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1123.051+/-0.346 χ^2/NDF:22203.2/5

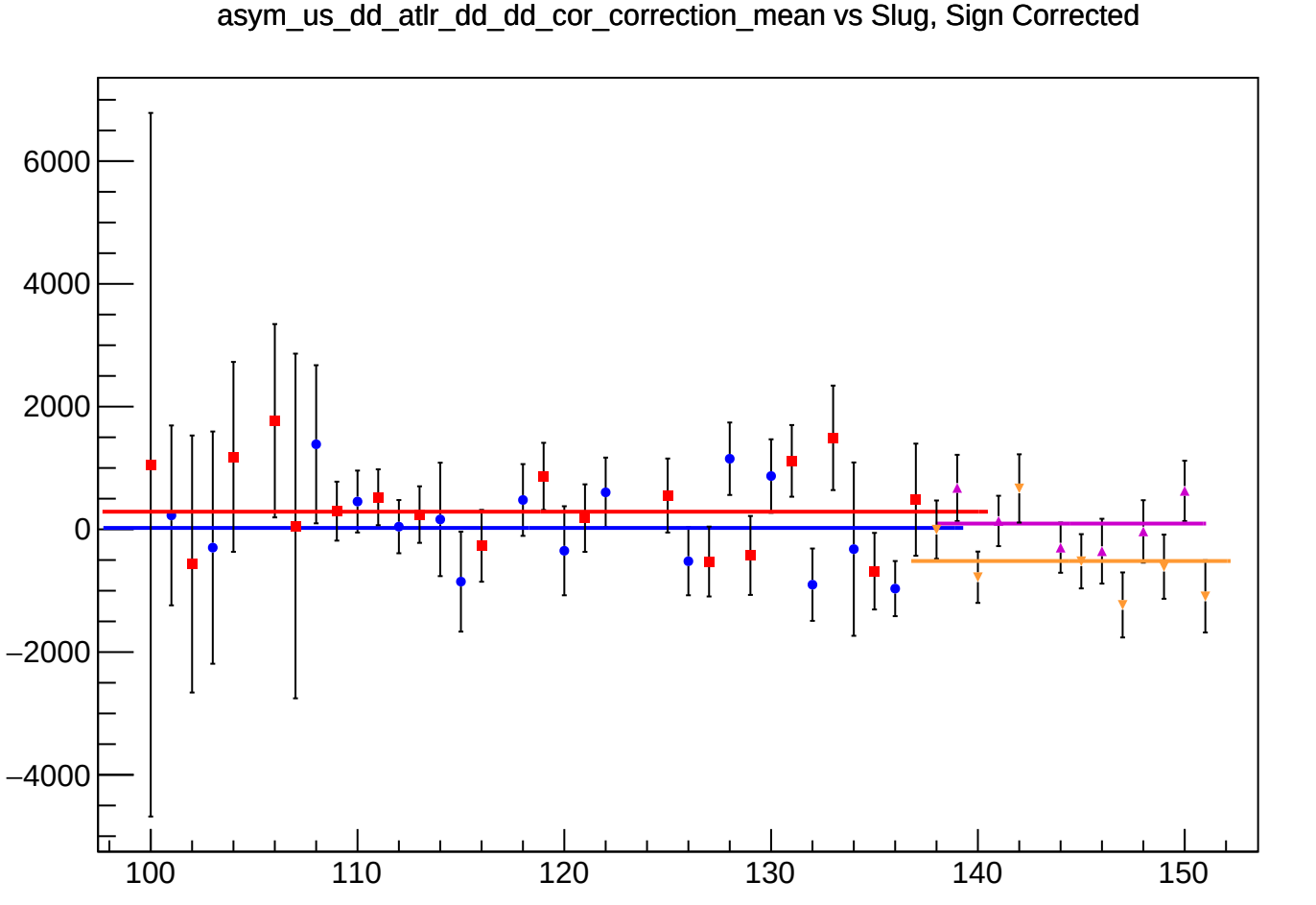
Left: 1123.295+/-0.244 χ^2/NDF: 47167.9/12

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

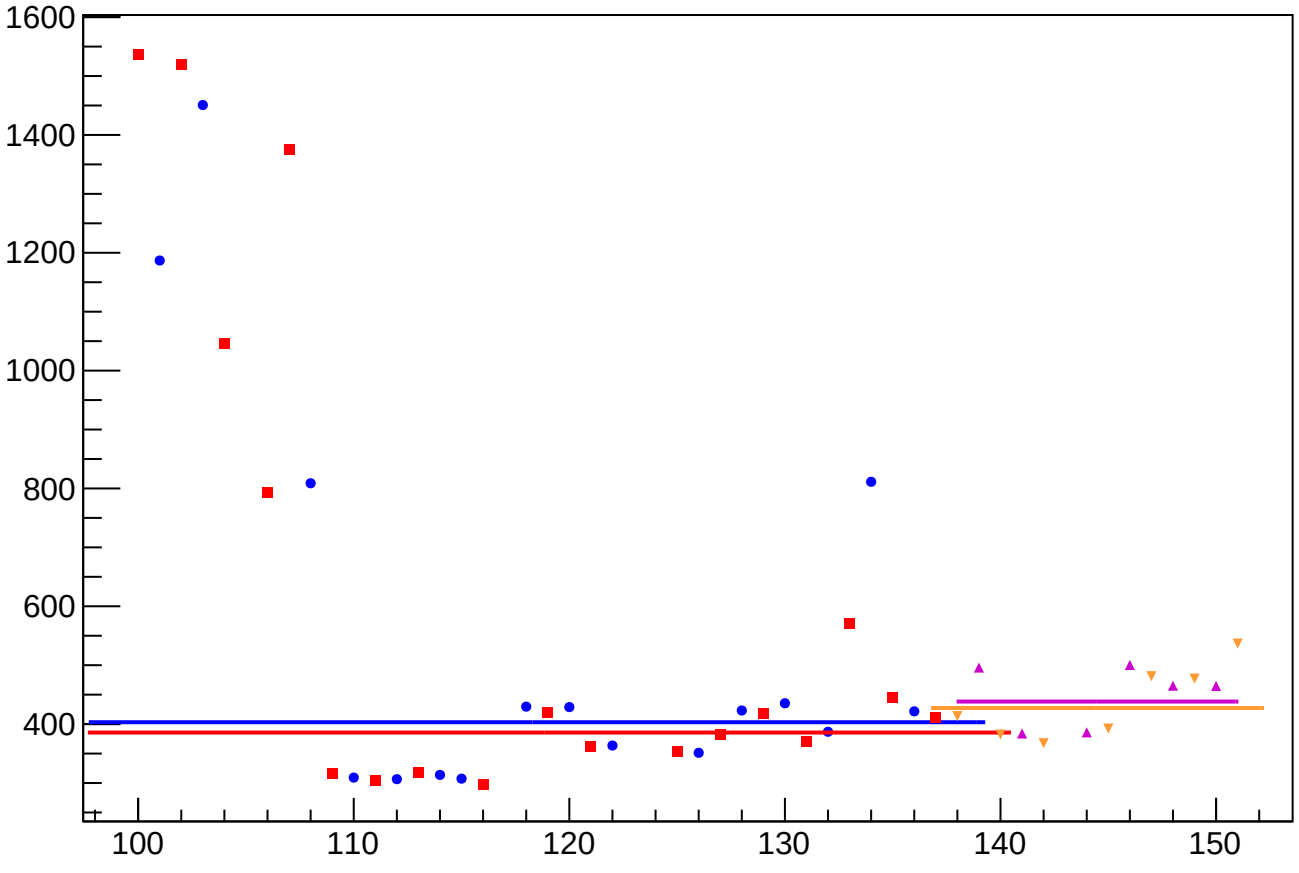
In: 1119.078+/-0.227 χ^2/NDF:645825.9/21

Out: 1125.466+/-0.226 χ^2/NDF:247760.2/24

All: 1122.279+/-0.160 χ^2/NDF: 893983.4/46


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -515.949+/-186.959 χ²/NDF:8.9/6
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: 94.105+/-192.622 χ²/NDF:4.1/5
Left: -220.021+/-134.157 χ²/NDF: 18.1/12
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: 52.250+/-123.639 χ²/NDF:23.1/21
Out: -42.744+/-119.875 χ²/NDF:33.4/24
All: 3.285+/-86.064 χ²/NDF: 56.8/46

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 427.334+/-0.132 χ^2/NDF:168328.5/6

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 438.284+/-0.136 χ^2/NDF:129647.6/5

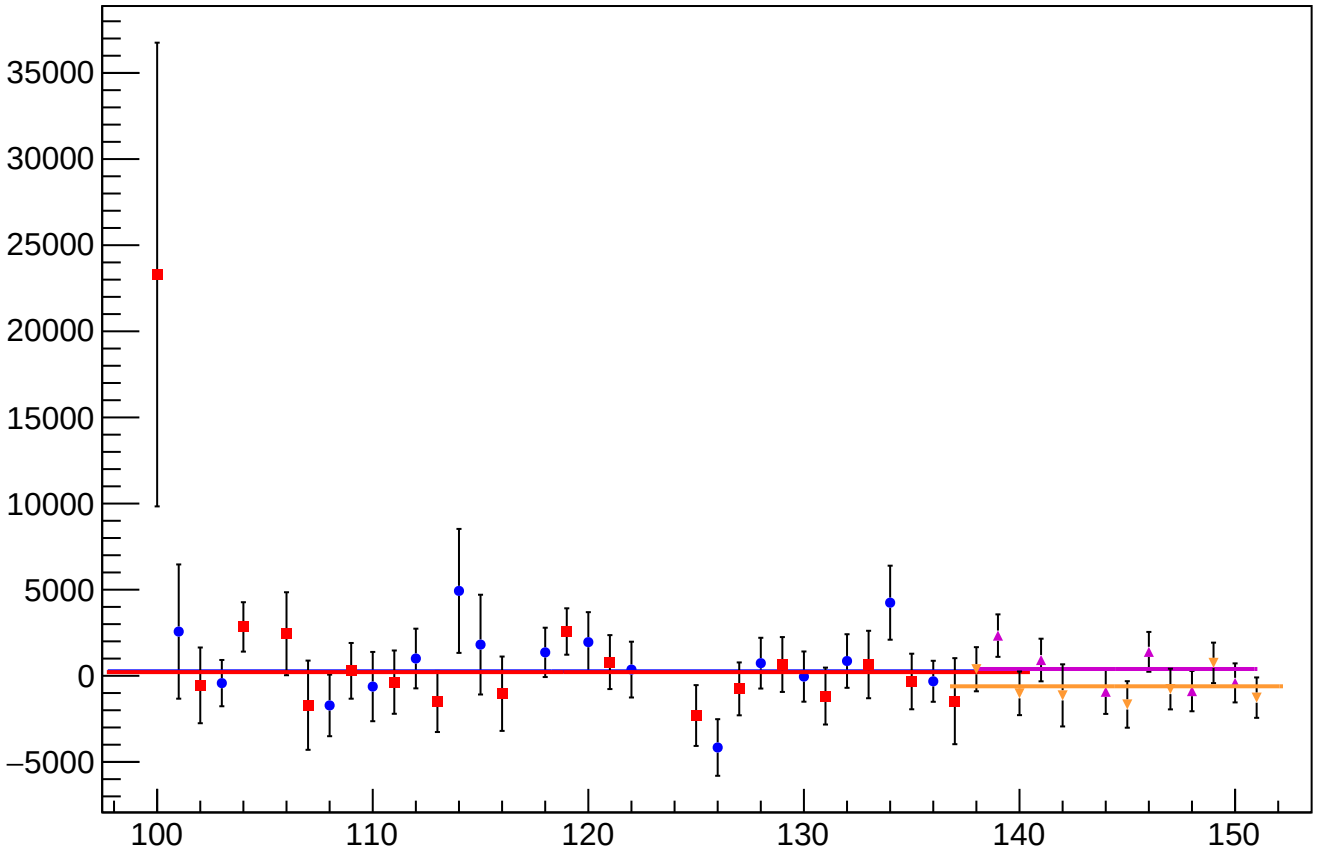
Left: 432.646+/-0.095 χ^2/NDF: 301304.6/12

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 417.644+/-0.087 χ^2/NDF:1980812.2/21

Out: 402.805+/-0.085 χ^2/NDF:1973938.0/24

All: 409.996+/-0.061 χ^2/NDF: 3969599.8/46



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -609.098+/-484.748 χ^2/NDF:3.1/6

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 395.513+/-489.645 χ^2/NDF:6.2/5

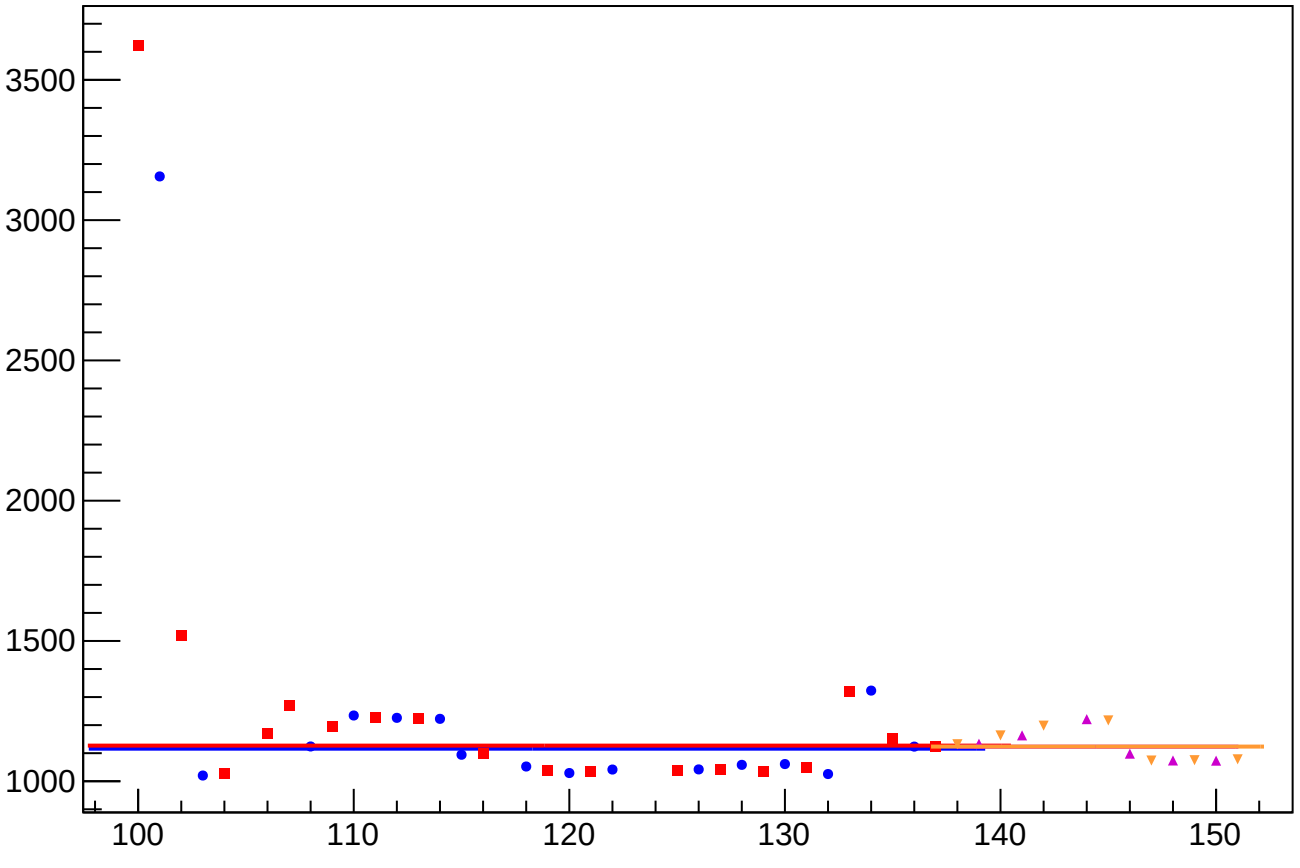
Left: -111.841+/-344.487 χ^2/NDF: 11.3/12

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 318.409+/-320.812 χ^2/NDF:23.1/21

Out: -144.717+/-320.138 χ^2/NDF:20.9/24

All: 86.359+/-226.610 χ^2/NDF: 45.1/46



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1123.535+/-0.343 χ^2/NDF:24963.7/6

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1123.051+/-0.346 χ^2/NDF:22203.2/5

Left: 1123.295+/-0.244 χ^2/NDF: 47167.9/12

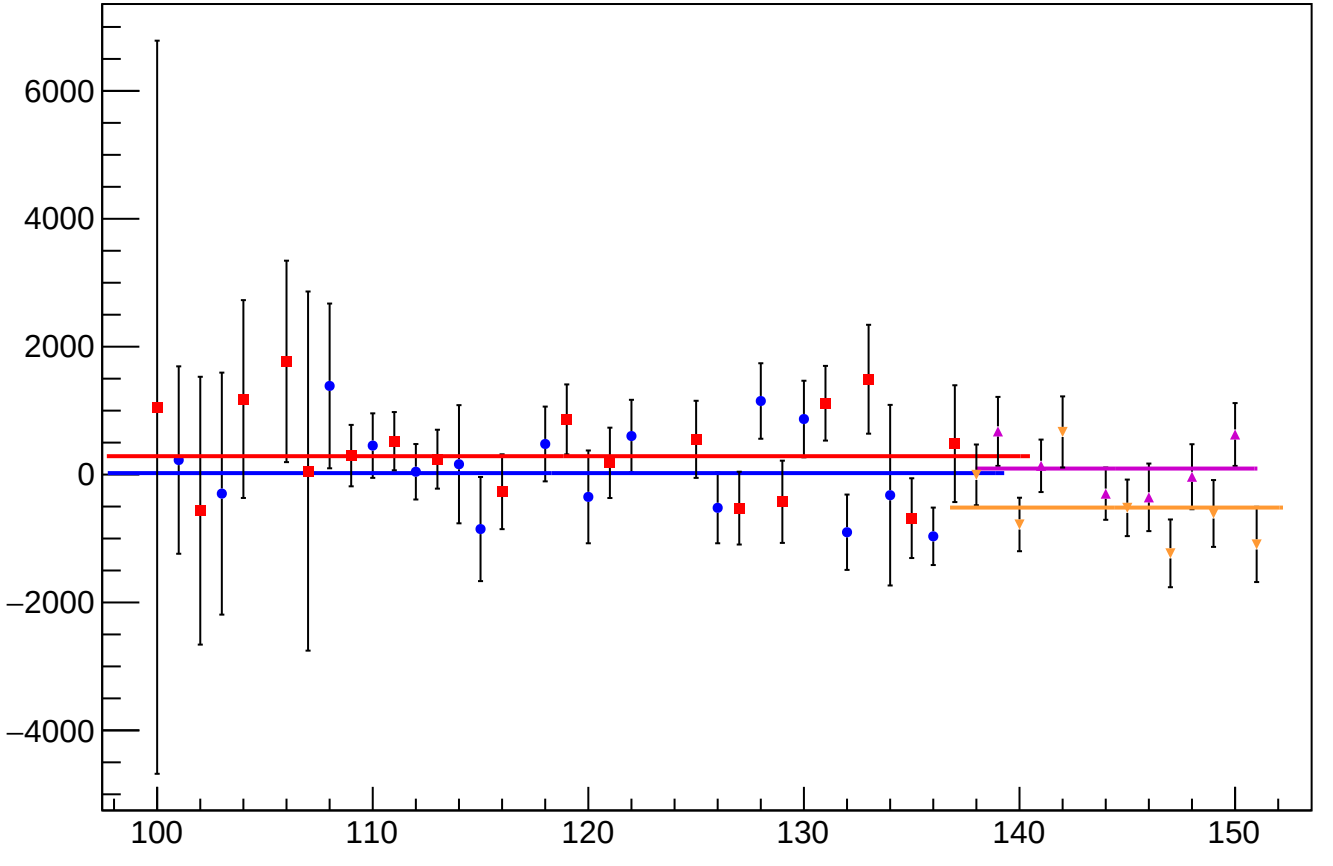
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1119.078+/-0.227 χ^2/NDF:645825.9/21

Out: 1125.466+/-0.226 χ^2/NDF:247760.2/24

All: 1122.279+/-0.160 χ^2/NDF: 893983.4/46

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: -515.949+/-186.959 χ^2/NDF:8.9/6

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 94.105+/-192.622 χ^2/NDF:4.1/5

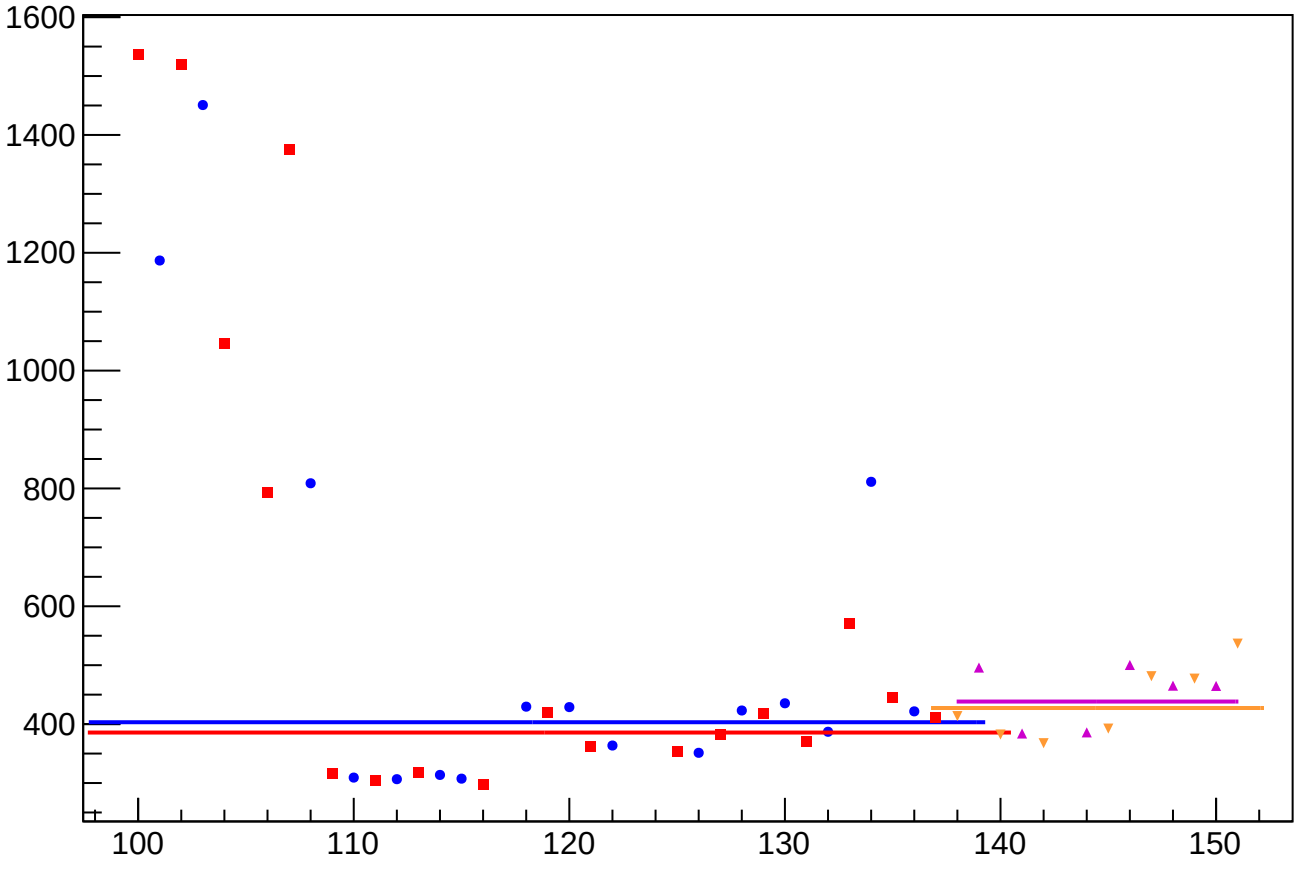
Left: -220.021+/-134.157 χ^2/NDF: 18.1/12

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 52.250+/-123.639 χ^2/NDF:23.1/21

Out: -42.744+/-119.875 χ^2/NDF:33.4/24

All: 3.285+/-86.064 χ^2/NDF: 56.8/46



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 427.334+/-0.132 χ^2/NDF:168328.5/6

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 438.284+/-0.136 χ^2/NDF:129647.6/5

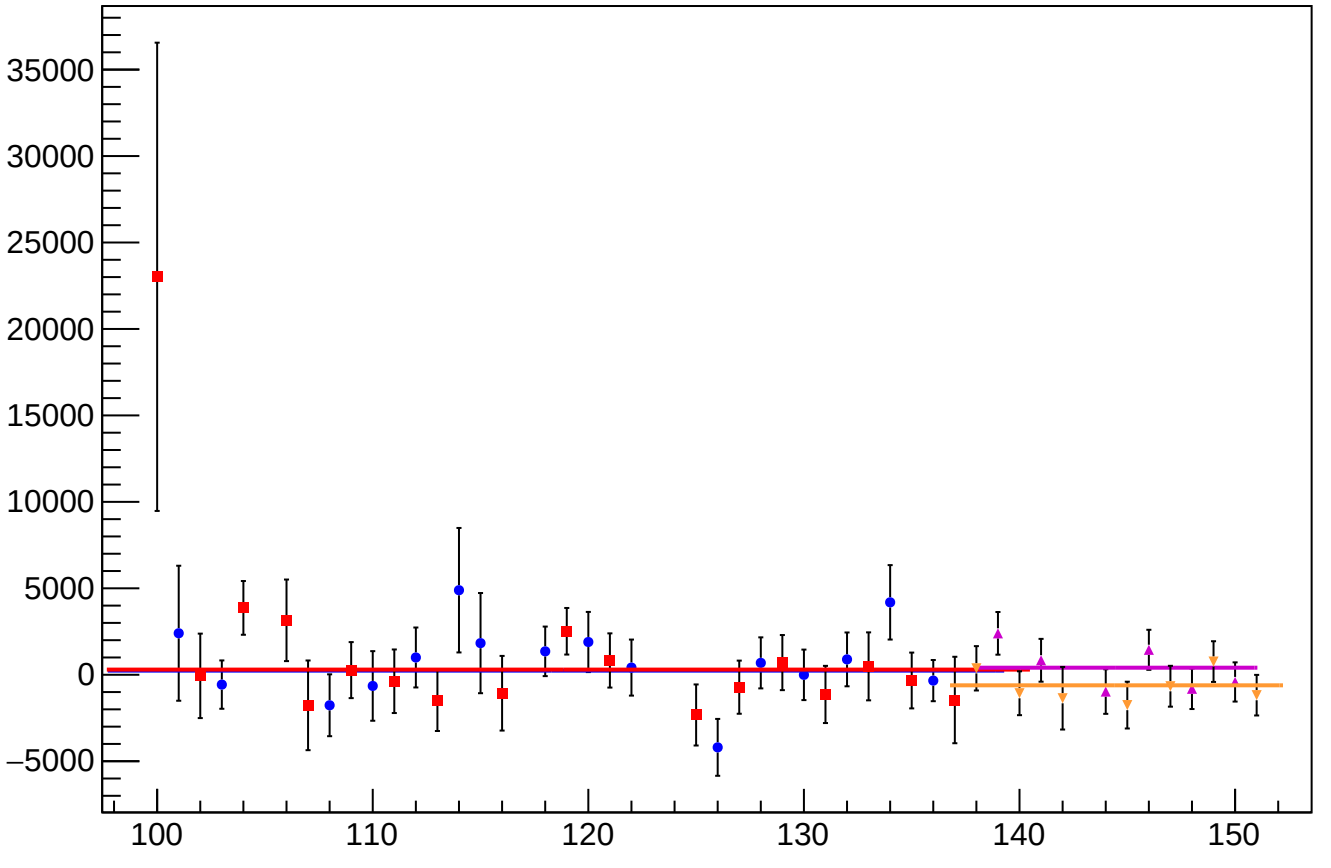
Left: 432.646+/-0.095 χ^2/NDF: 301304.6/12

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 417.644+/-0.087 χ^2/NDF:1980812.2/21

Out: 402.805+/-0.085 χ^2/NDF:1973938.0/24

All: 409.996+/-0.061 χ^2/NDF: 3969599.8/46



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -610.206+/-485.300 χ^2/NDF:3.2/6

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 408.535+/-490.108 χ^2/NDF:6.3/5

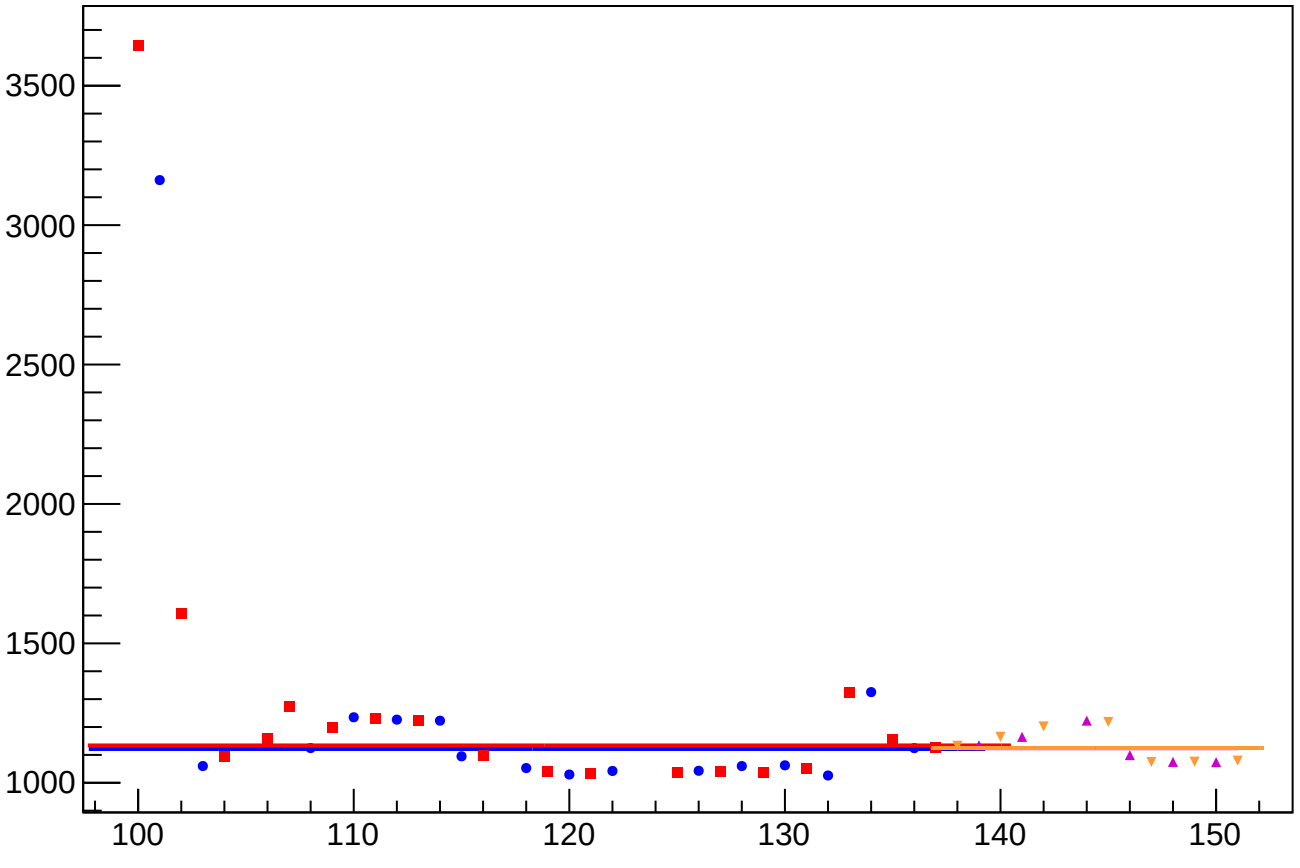
Left: -105.857+/-344.846 χ^2/NDF: 11.7/12

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 313.116+/-321.775 χ^2/NDF:23.3/21

Out: -101.714+/-322.160 χ^2/NDF:23.9/24

All: 105.949+/-227.665 χ^2/NDF: 48.0/46



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1124.776+/-0.343 χ^2/NDF:25369.0/6

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1124.095+/-0.347 χ^2/NDF:22376.8/5

Left: 1124.439+/-0.244 χ^2/NDF: 47747.7/12

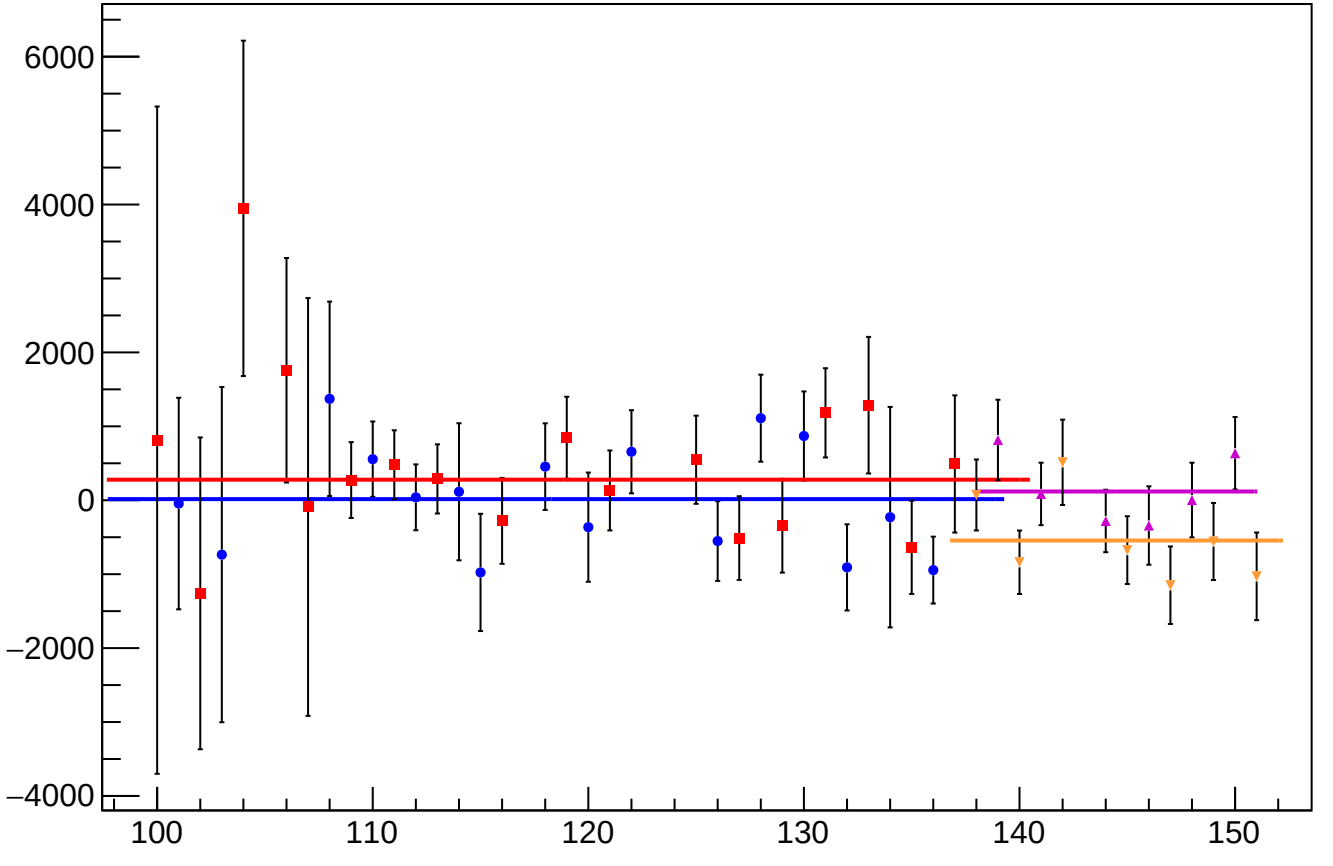
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1122.502+/-0.228 χ^2/NDF:639442.3/21

Out: 1129.896+/-0.228 χ^2/NDF:253224.0/24

All: 1126.194+/-0.161 χ^2/NDF: 893193.7/46

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: -544.595+/-190.000 χ^2/NDF:7.6/6

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 118.226+/-195.303 χ^2/NDF:4.5/5

Left: -222.305+/-136.187 χ^2/NDF: 17.9/12

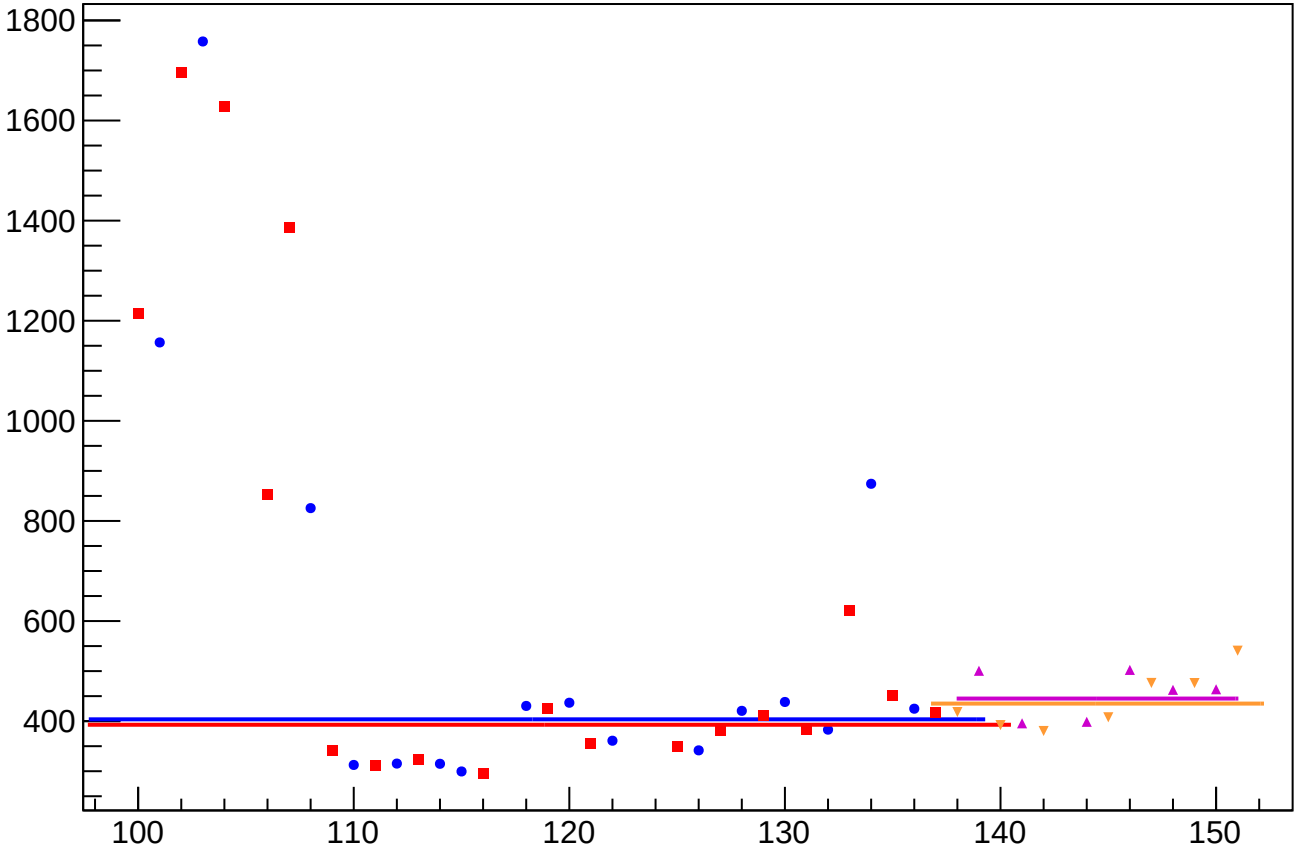
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 57.200+/-124.617 χ^2/NDF:24.2/21

Out: -60.222+/-121.859 χ^2/NDF:33.7/24

All: -2.825+/-87.126 χ^2/NDF: 58.4/46

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: 435.100+/-0.134 χ^2/NDF:136032.6/6

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 445.139+/-0.138 χ^2/NDF:100899.8/5

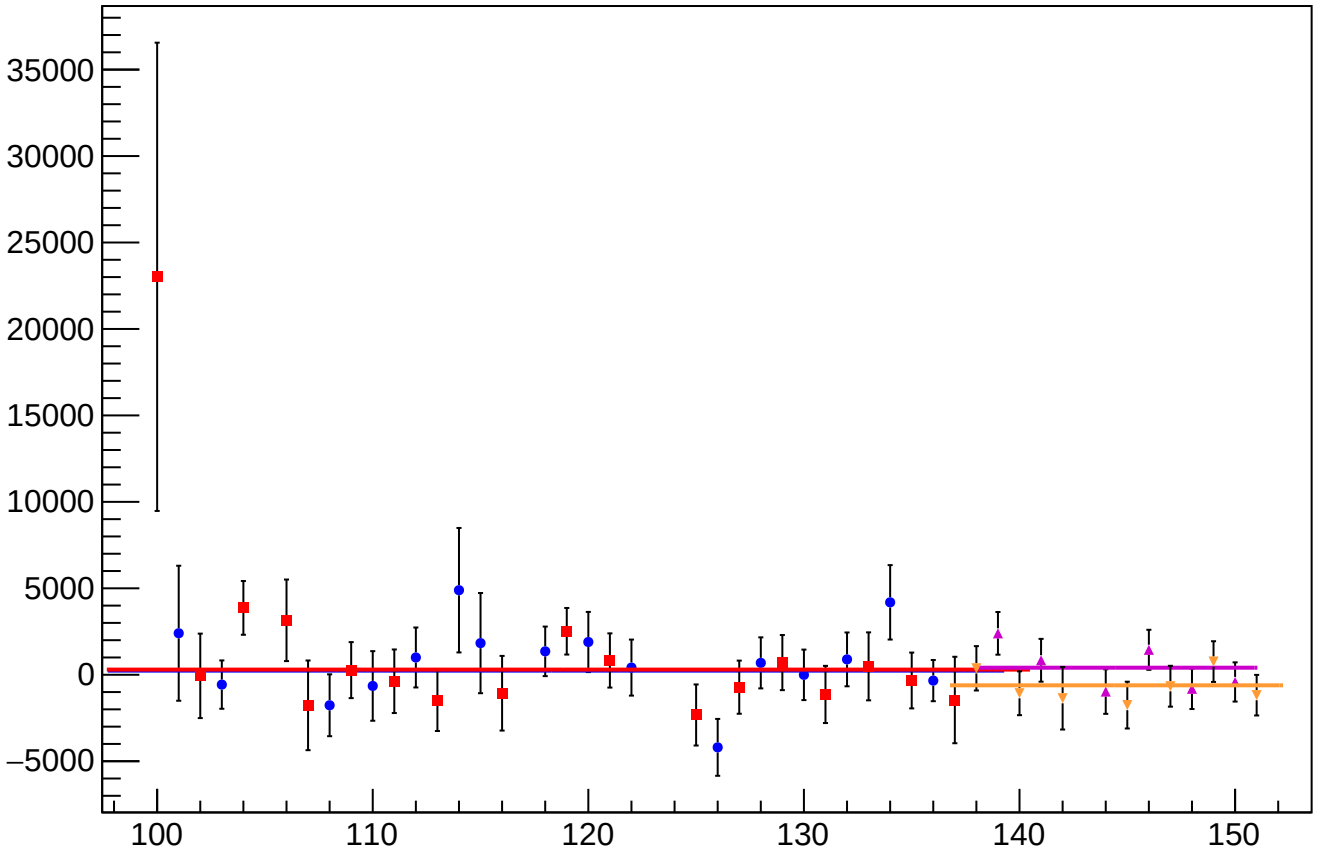
Left: 439.981+/-0.096 χ^2/NDF: 239647.3/12

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 420.545+/-0.088 χ^2/NDF:2083992.1/21

Out: 410.212+/-0.086 χ^2/NDF:2397785.4/24

All: 415.263+/-0.062 χ^2/NDF: 4488806.8/46



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -610.211+/-485.300 χ^2/NDF:3.2/6

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 408.533+/-490.108 χ^2/NDF:6.3/5

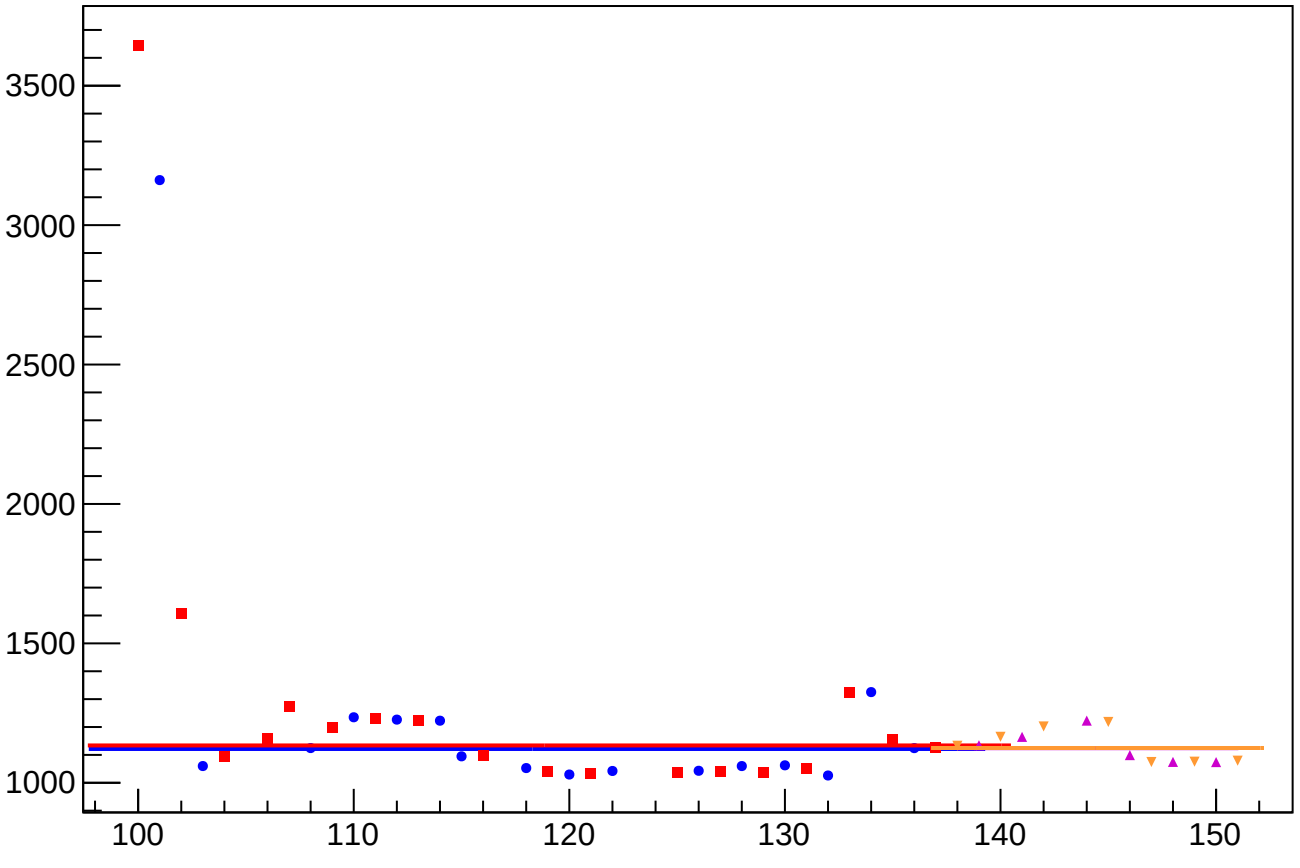
Left: -105.861+/-344.846 χ^2/NDF: 11.7/12

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 313.117+/-321.775 χ^2/NDF:23.3/21

Out: -101.716+/-322.160 χ^2/NDF:23.9/24

All: 105.949+/-227.665 χ^2/NDF: 48.0/46



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1124.776+/-0.343 χ^2/NDF:25369.1/6

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1124.095+/-0.347 χ^2/NDF:22376.8/5

Left: 1124.439+/-0.244 χ^2/NDF: 47747.9/12

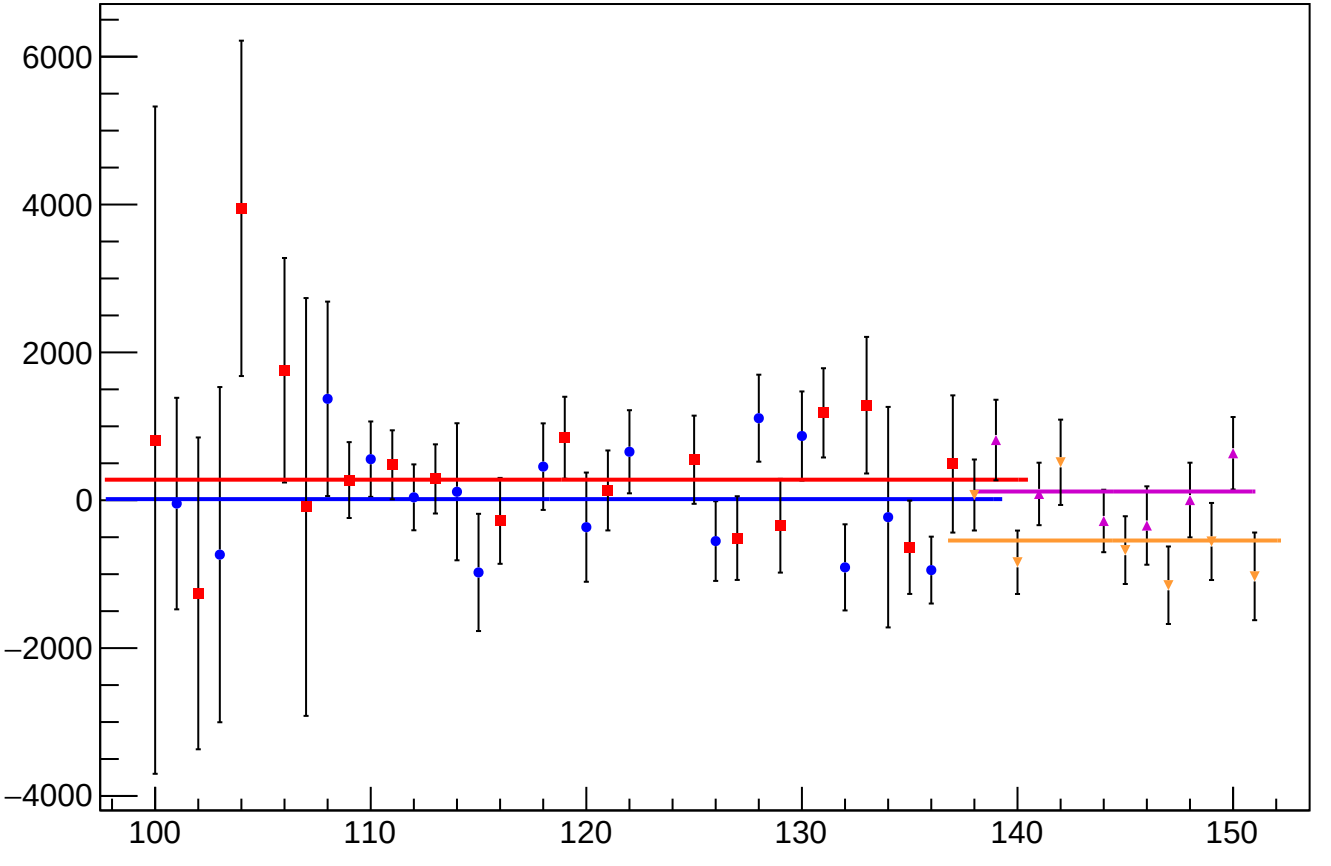
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1122.502+/-0.228 χ^2/NDF:639442.4/21

Out: 1129.896+/-0.228 χ^2/NDF:253224.2/24

All: 1126.194+/-0.161 χ^2/NDF: 893193.9/46

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -544.603+/-190.000 χ^2/NDF:7.6/6

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 118.230+/-195.304 χ^2/NDF:4.5/5

Left: -222.309+/-136.187 χ^2/NDF: 17.9/12

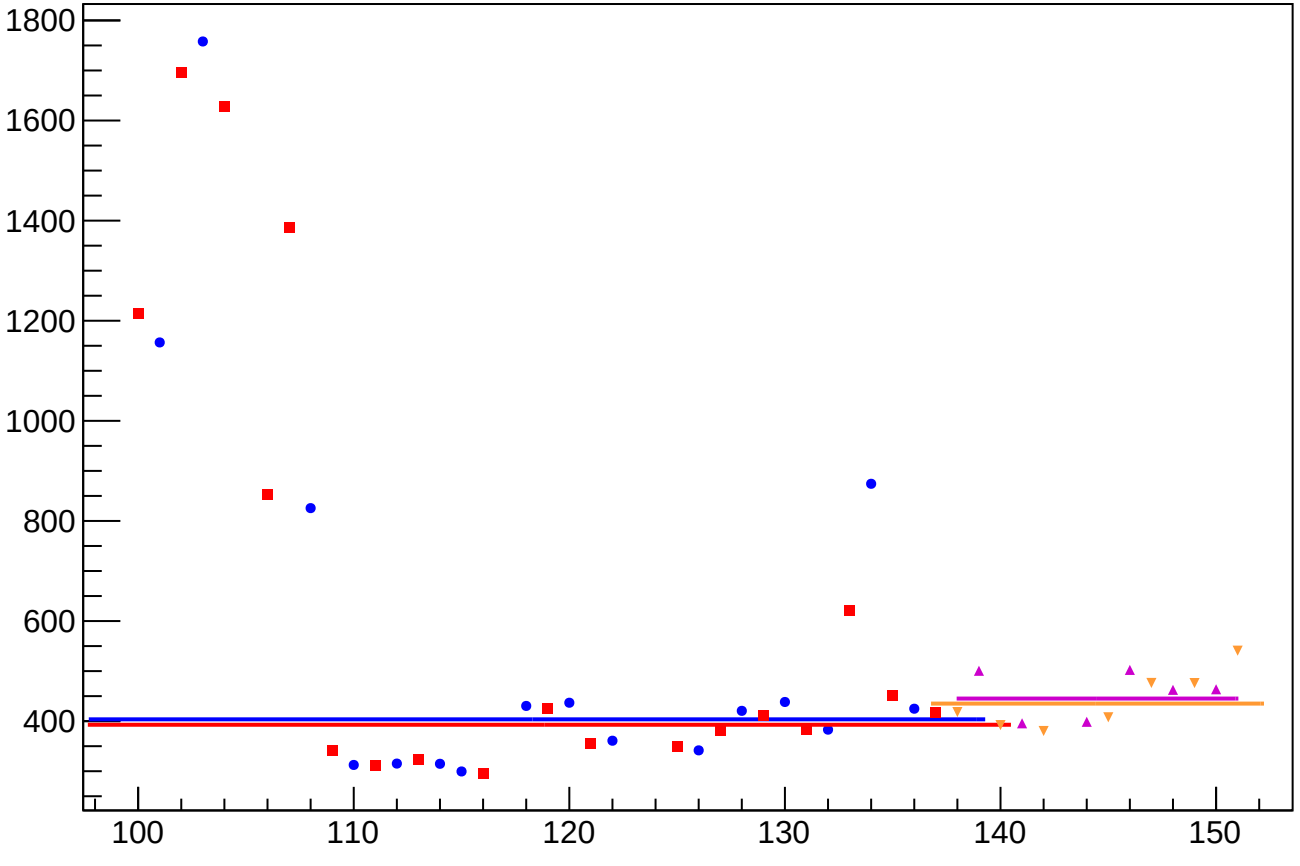
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 57.199+/-124.617 χ^2/NDF:24.2/21

Out: -60.223+/-121.858 χ^2/NDF:33.7/24

All: -2.826+/-87.126 χ^2/NDF: 58.4/46

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 435.100+/-0.134 χ^2/NDF:136032.4/6

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 445.140+/-0.138 χ^2/NDF:100896.0/5

Left: 439.982+/-0.096 χ^2/NDF: 239644.2/12

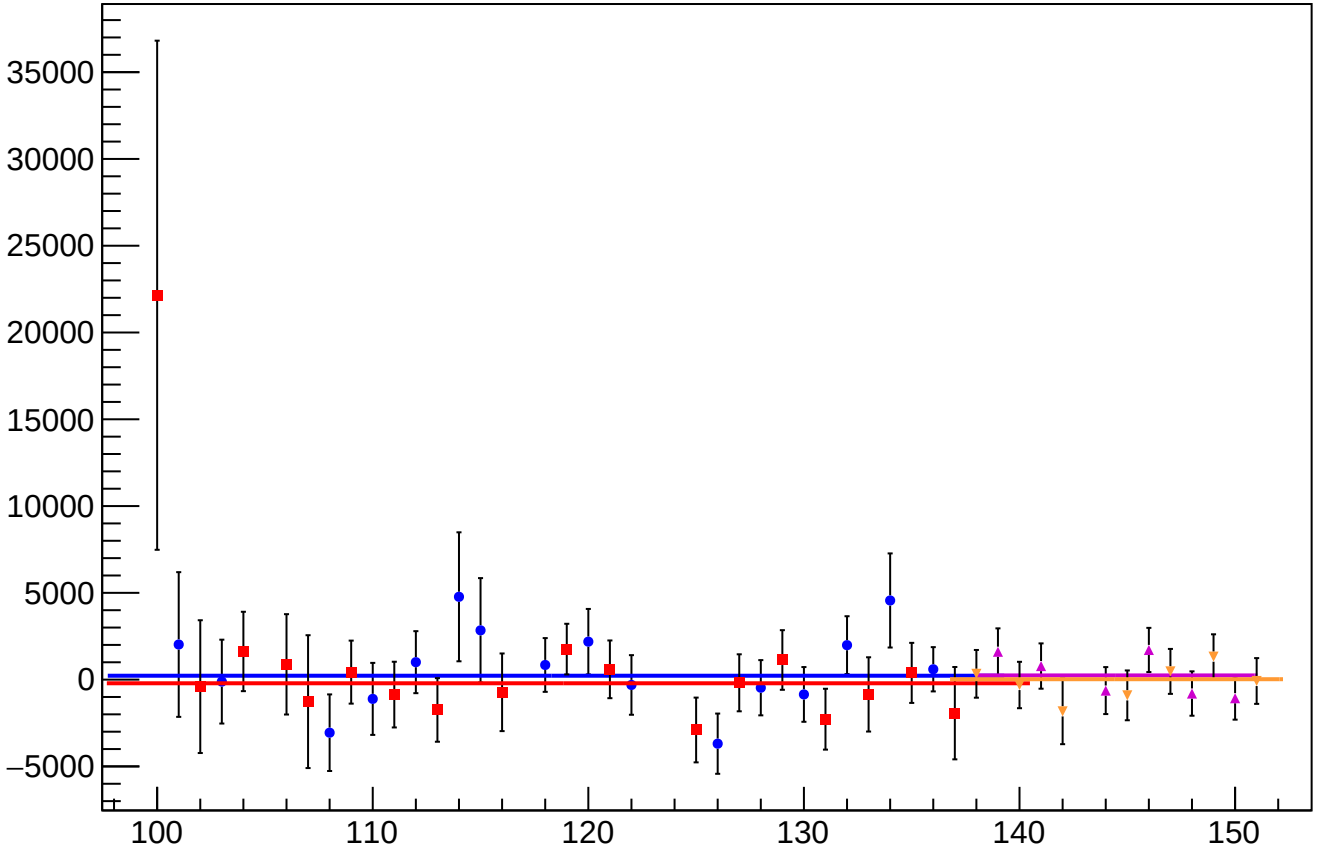
Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 420.544+/-0.088 χ^2/NDF:2083997.0/21

Out: 410.210+/-0.086 χ^2/NDF:2397800.7/24

All: 415.261+/-0.062 χ^2/NDF: 4488828.1/46

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: 24.144+/-524.969 χ^2/NDF:2.6/6

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 242.154+/-529.433 χ^2/NDF:4.7/5

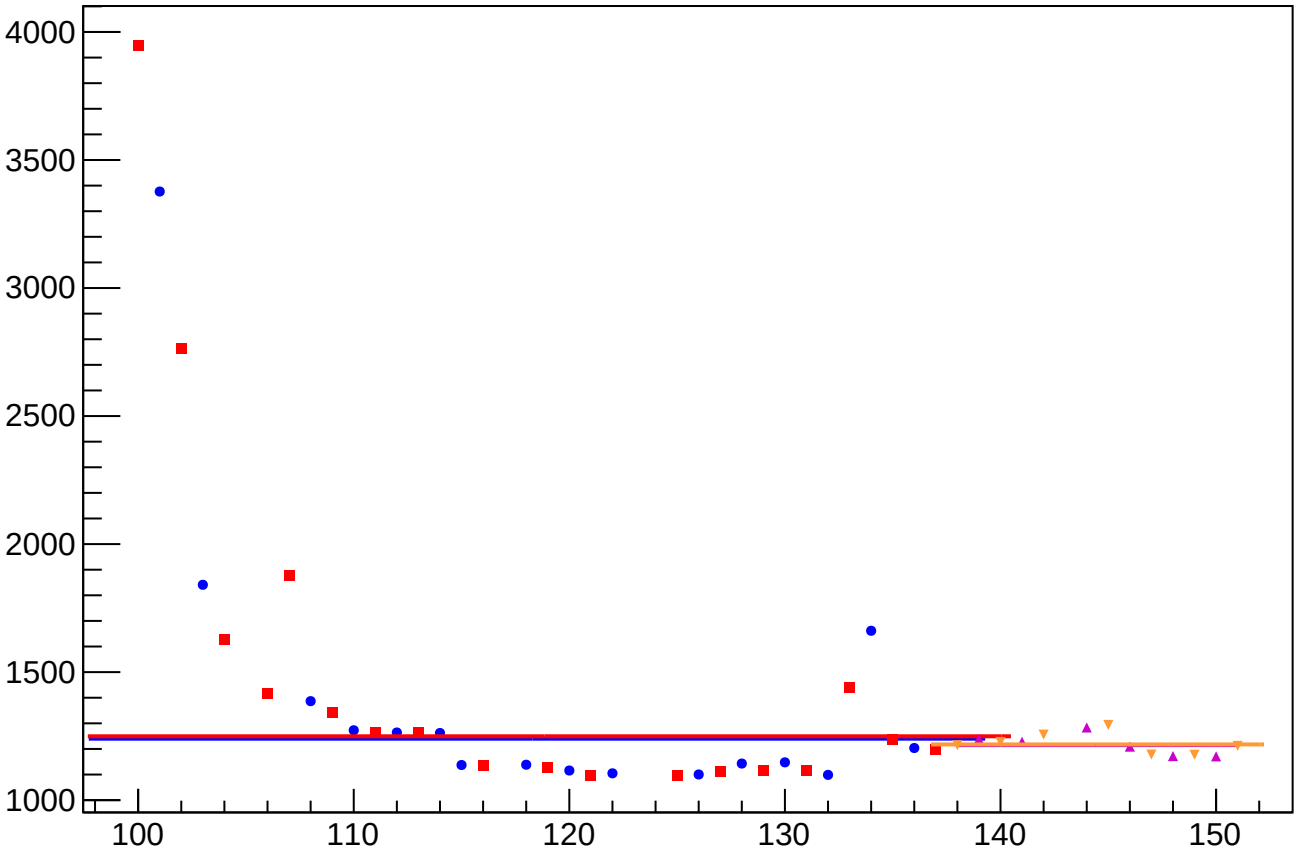
Left: 132.226+/-372.777 χ^2/NDF: 7.5/12

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 232.541+/-353.377 χ^2/NDF:20.9/21

Out: -103.776+/-353.365 χ^2/NDF:13.7/24

All: 64.377+/-249.871 χ^2/NDF: 35.0/46



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1217.628+/-0.371 χ^2/NDF:10429.6/6

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1214.938+/-0.374 χ^2/NDF:10827.8/5

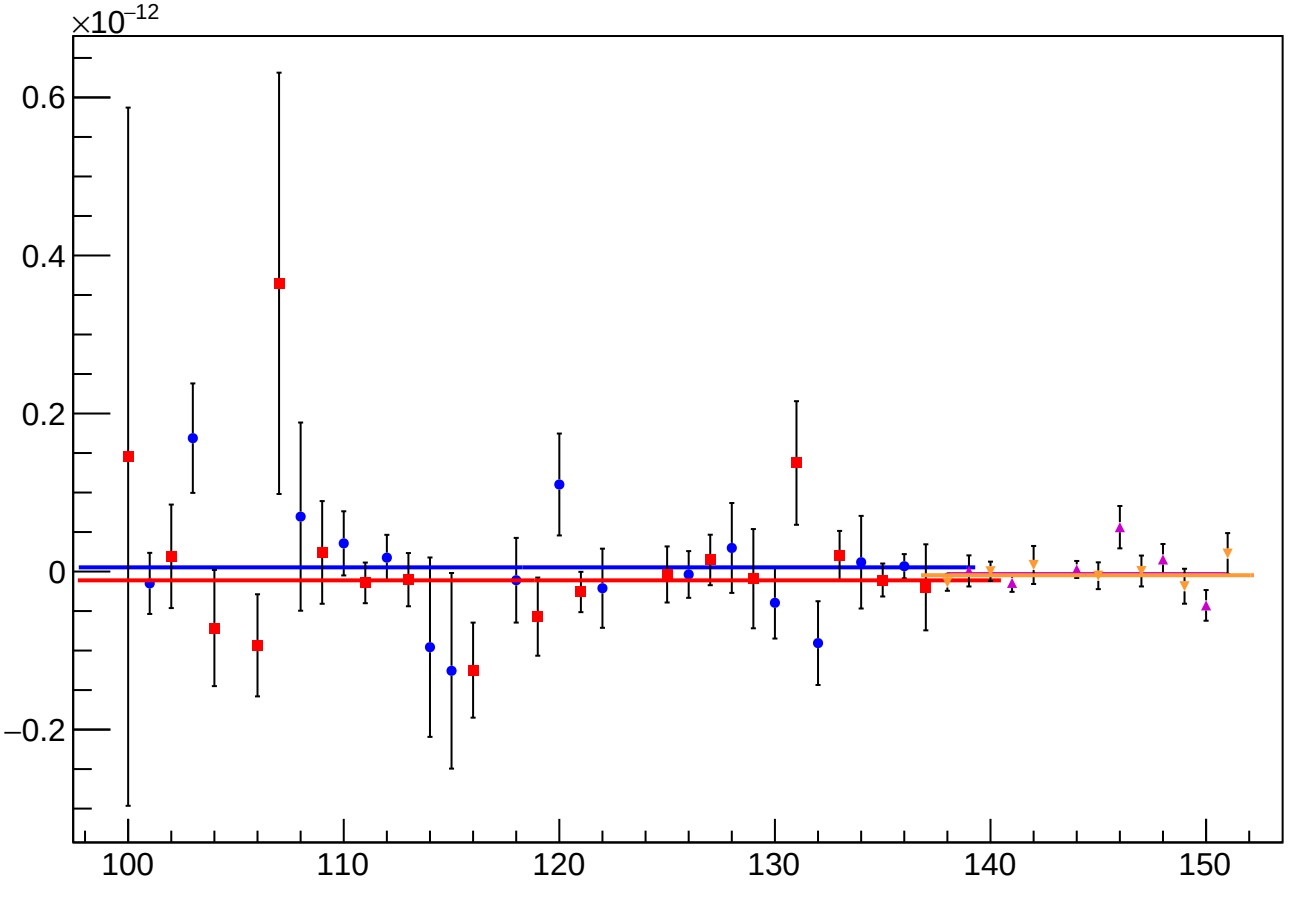
Left: 1216.294+/-0.264 χ^2/NDF: 21283.4/12

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1228.912+/-0.250 χ^2/NDF:796020.4/21

Out: 1235.010+/-0.250 χ^2/NDF:620538.1/24

All: 1231.961+/-0.177 χ^2/NDF: 1416856.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/6

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

Left In: -0.000+/-0.000 χ^2/NDF:11.3/5

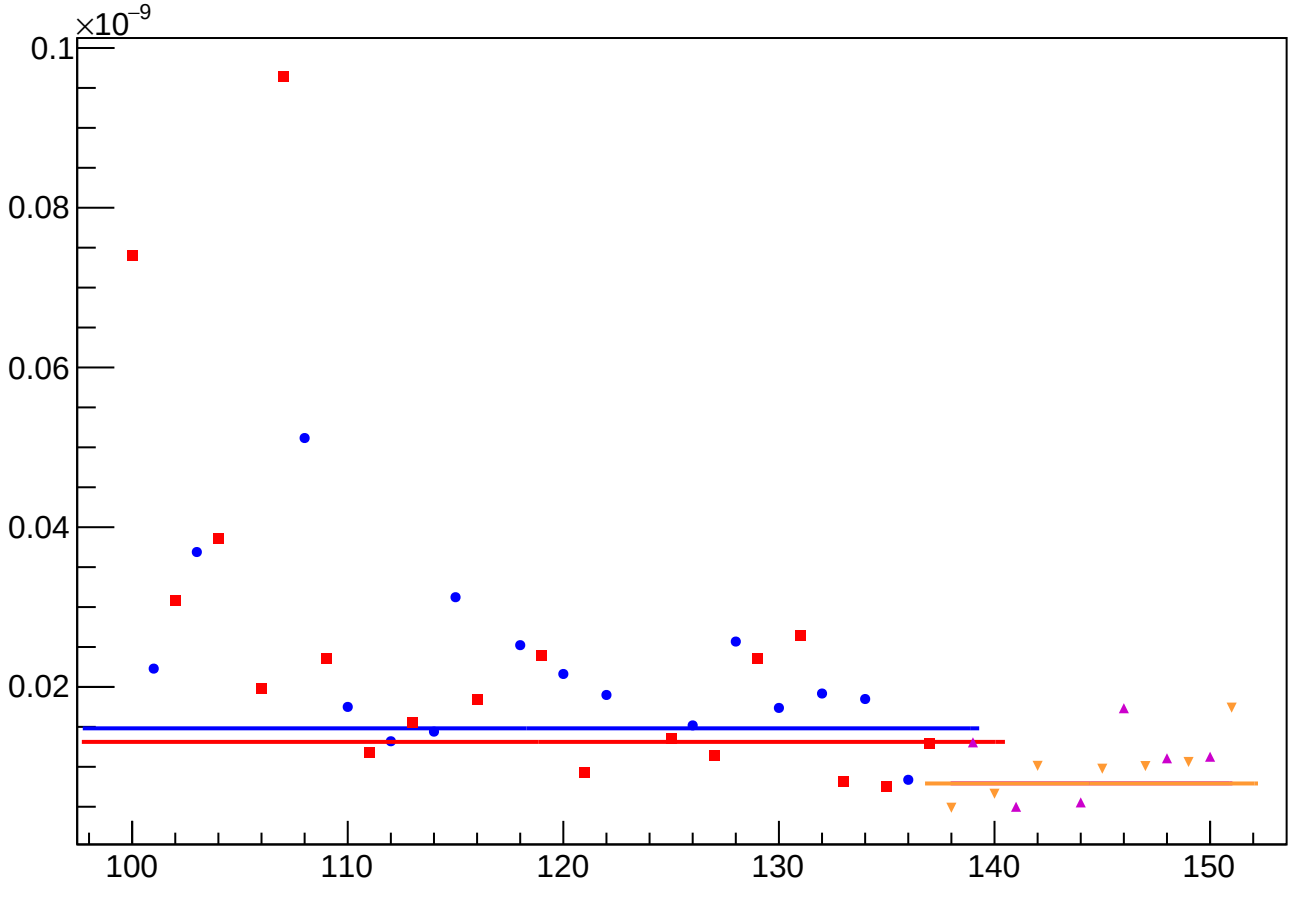
Left: -0.000+/-0.000 χ^2/NDF: 14.1/12

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:28.2/21

Out: -0.000+/-0.000 χ^2/NDF:18.1/24

All: -0.000+/-0.000 χ^2/NDF: 47.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:547813.5/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:724847.9/5

Left: 0.000+/-0.000 χ^2/NDF: 1272668.4/12

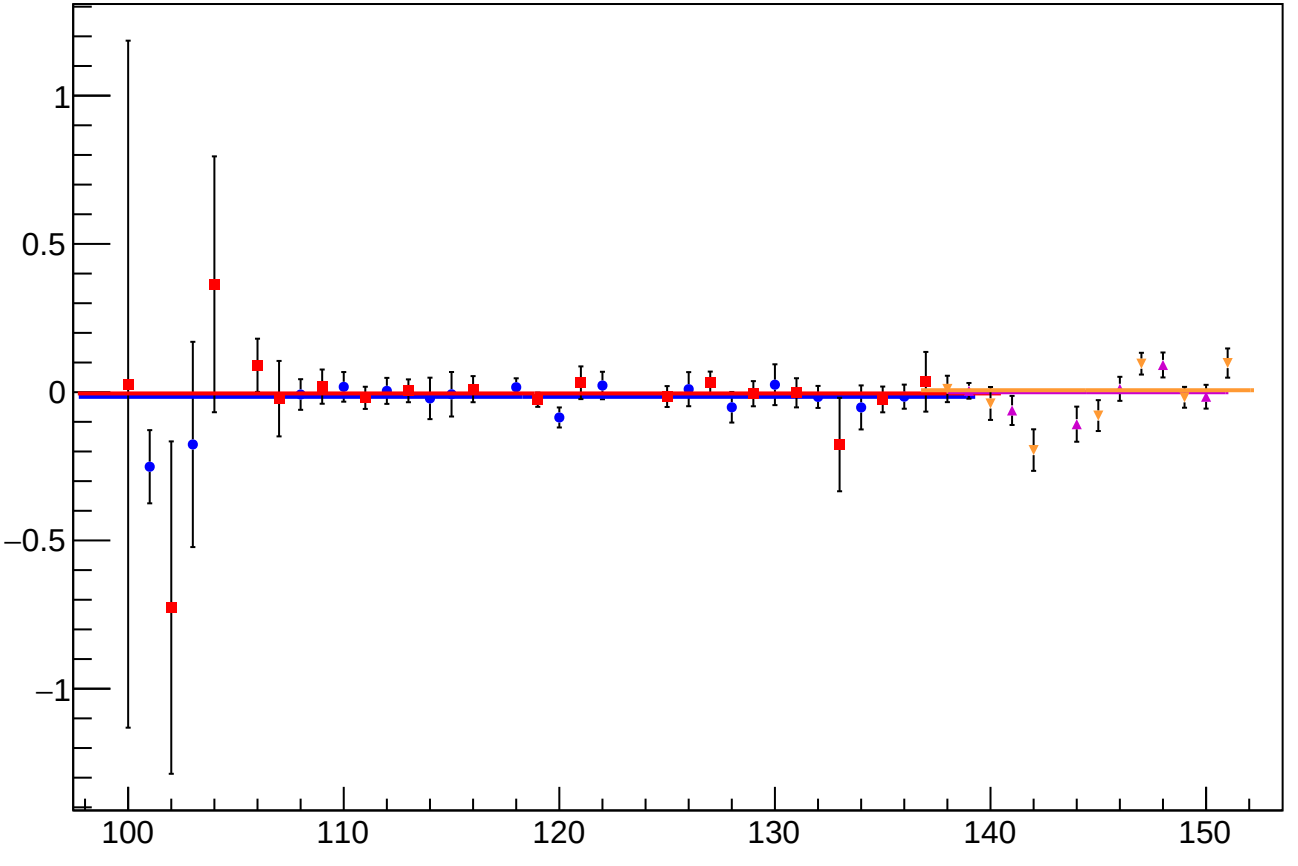
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2524702.6/21

Out: 0.000+/-0.000 χ^2/NDF:2163807.9/24

All: 0.000+/-0.000 χ^2/NDF: 4697869.0/46

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: 0.007+/-0.017 χ^2/NDF:21.5/6

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.000+/-0.016 χ^2/NDF:9.9/5

Left: 0.003+/-0.012 χ^2/NDF: 31.5/12

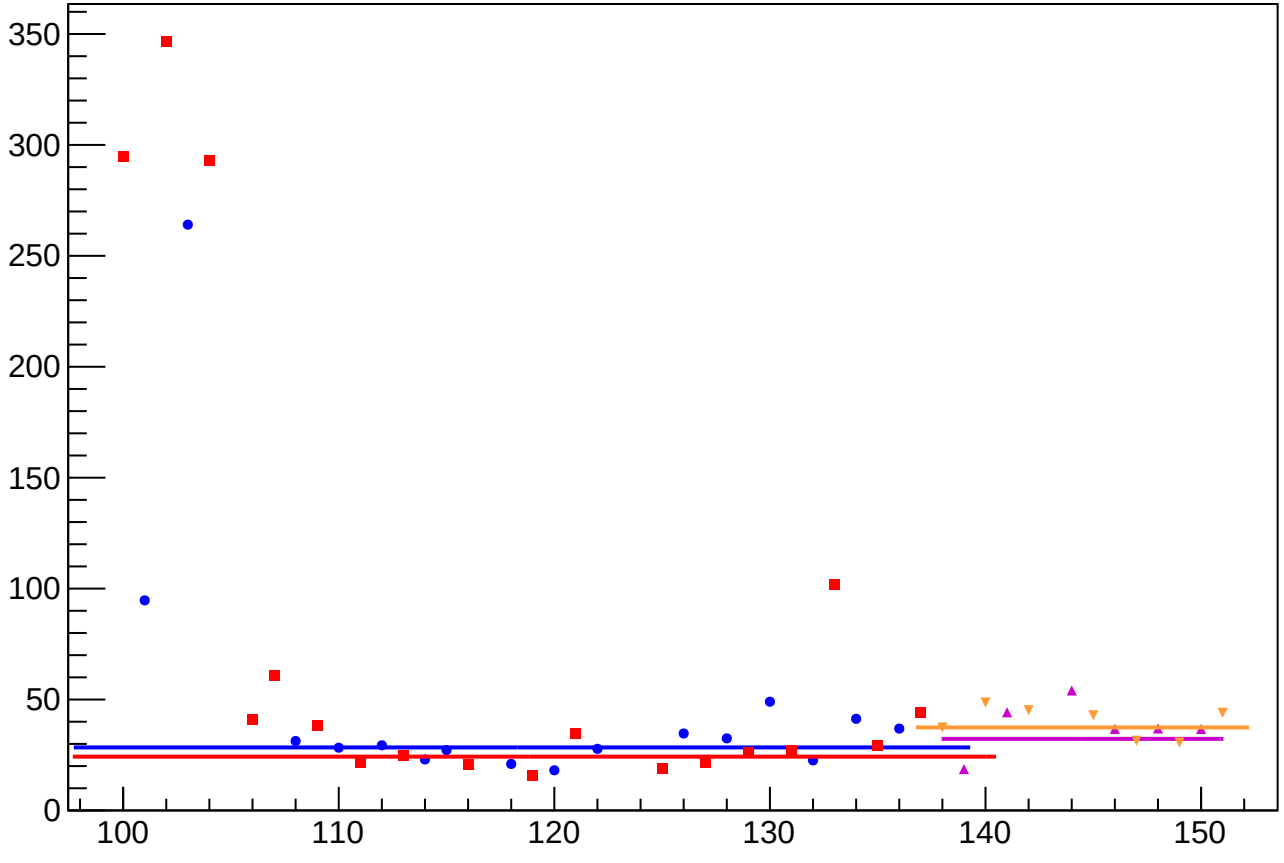
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/21

Out: -0.001+/-0.010 χ^2/NDF:29.6/24

All: -0.005+/-0.007 χ^2/NDF: 52.5/46

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.425+/-0.012 χ^2/NDF:292549.0/6

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 32.273+/-0.011 χ^2/NDF:991952.5/5

Left: 34.653+/-0.008 χ^2/NDF: 1380649.6/12

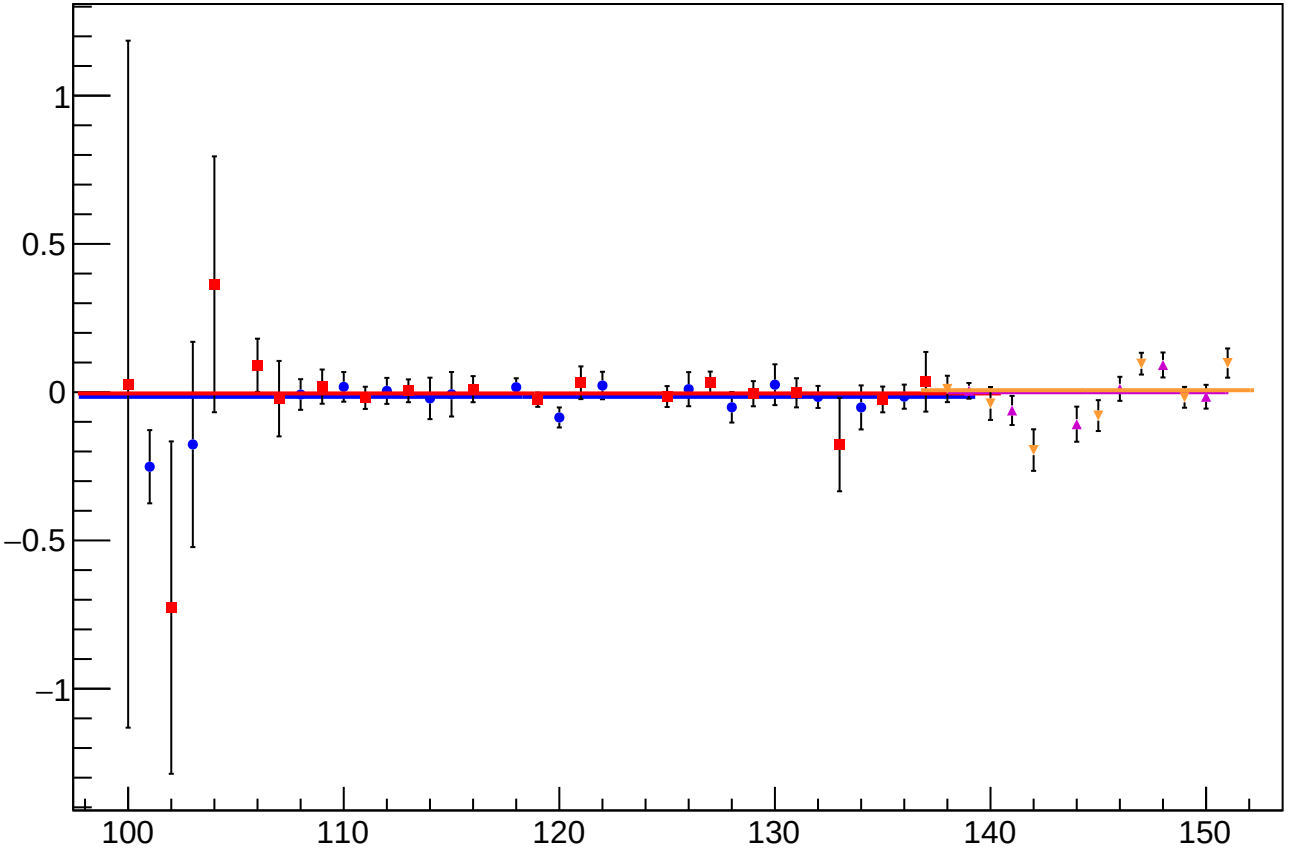
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 29.850+/-0.007 χ^2/NDF:3310971.1/21

Out: 28.282+/-0.007 χ^2/NDF:4016670.8/24

All: 29.048+/-0.005 χ^2/NDF: 7354100.4/46

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: 0.007+/-0.017 χ^2/NDF:21.5/6

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.000+/-0.016 χ^2/NDF:9.9/5

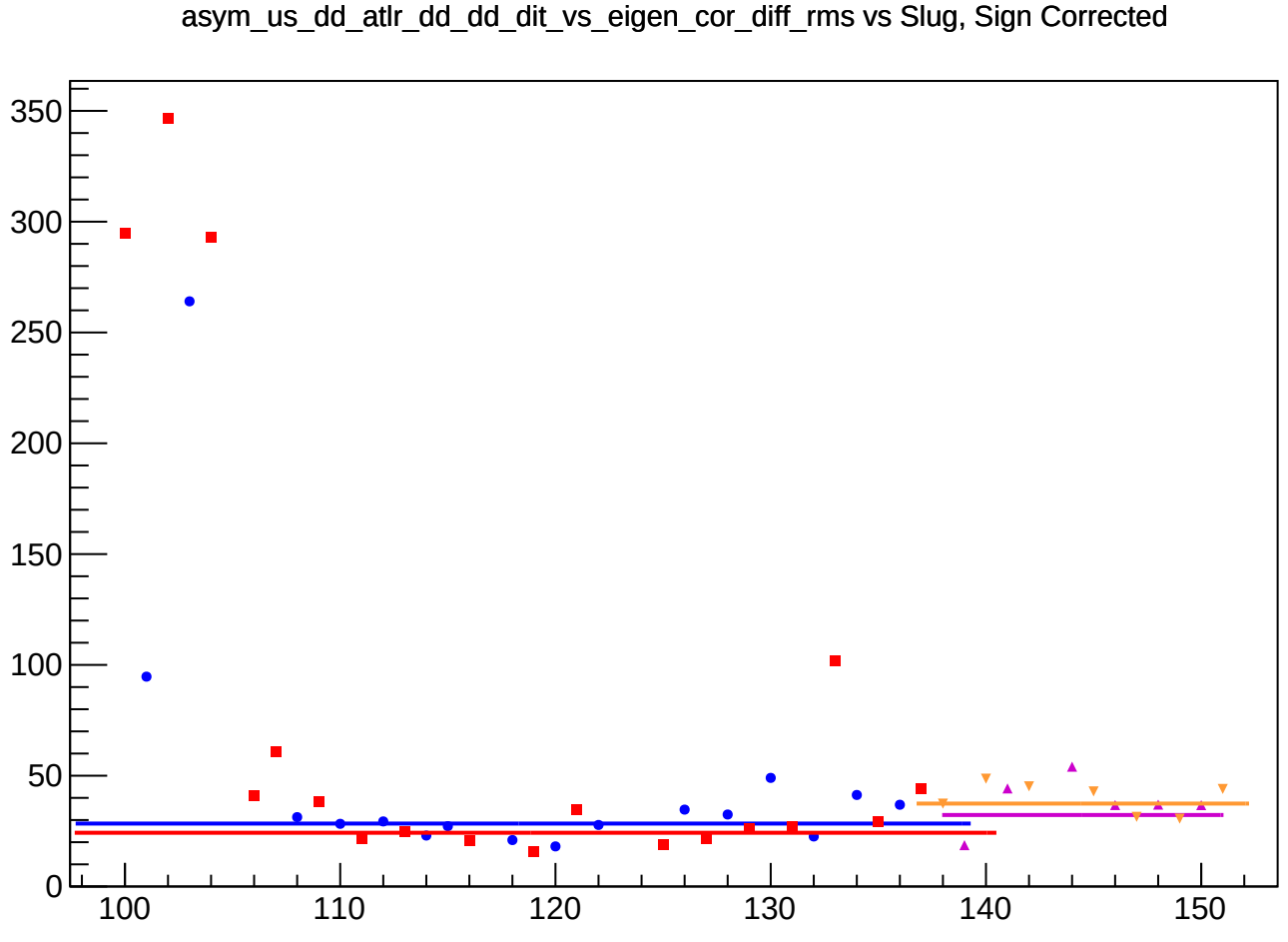
Left: 0.003+/-0.012 χ^2/NDF: 31.5/12

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/21

Out: -0.001+/-0.010 χ^2/NDF:29.6/24

All: -0.005+/-0.007 χ^2/NDF: 52.5/46



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.425+/-0.012 χ^2/NDF:292549.0/6

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 32.273+/-0.011 χ^2/NDF:991952.5/5

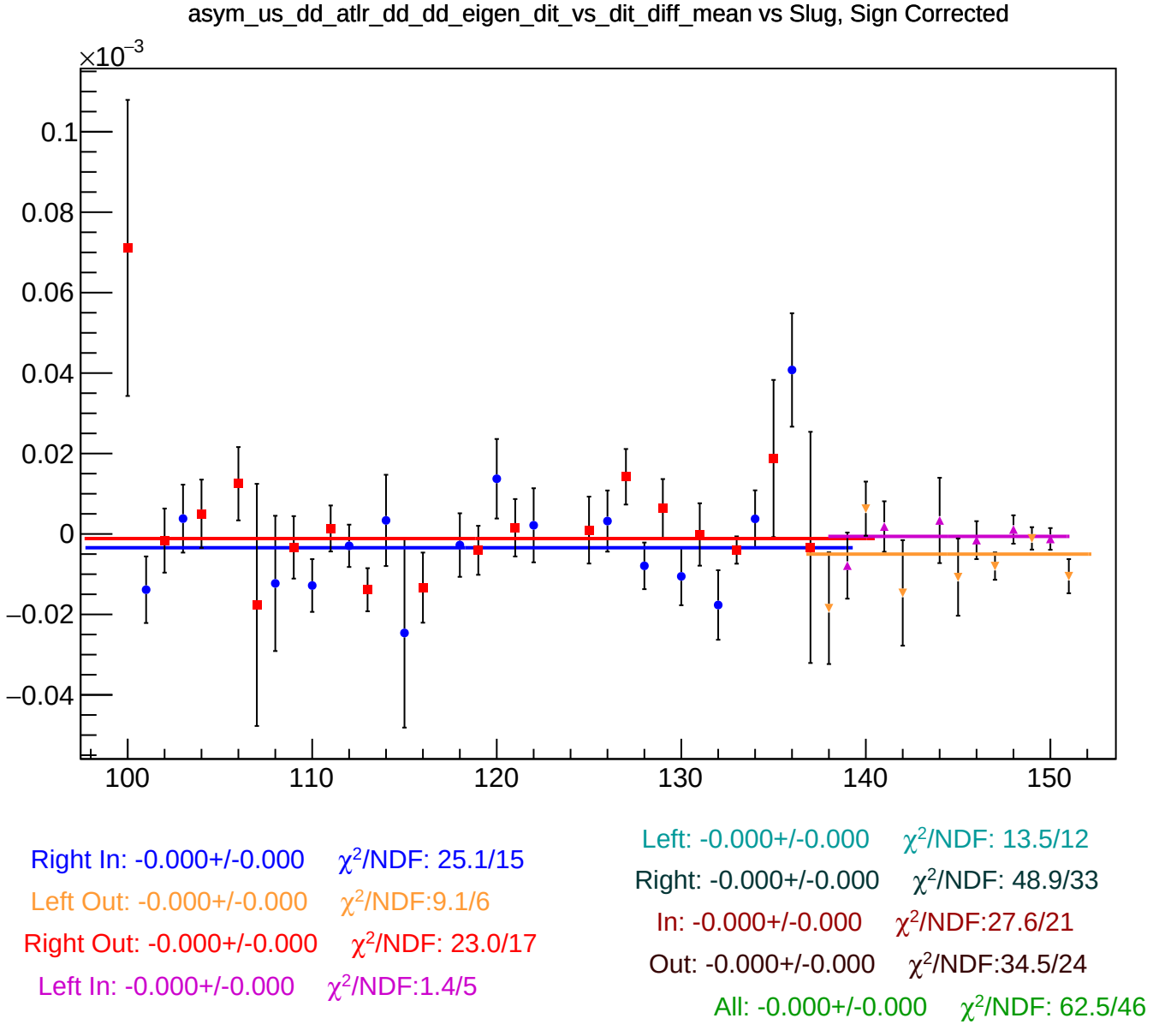
Left: 34.653+/-0.008 χ^2/NDF: 1380649.6/12

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

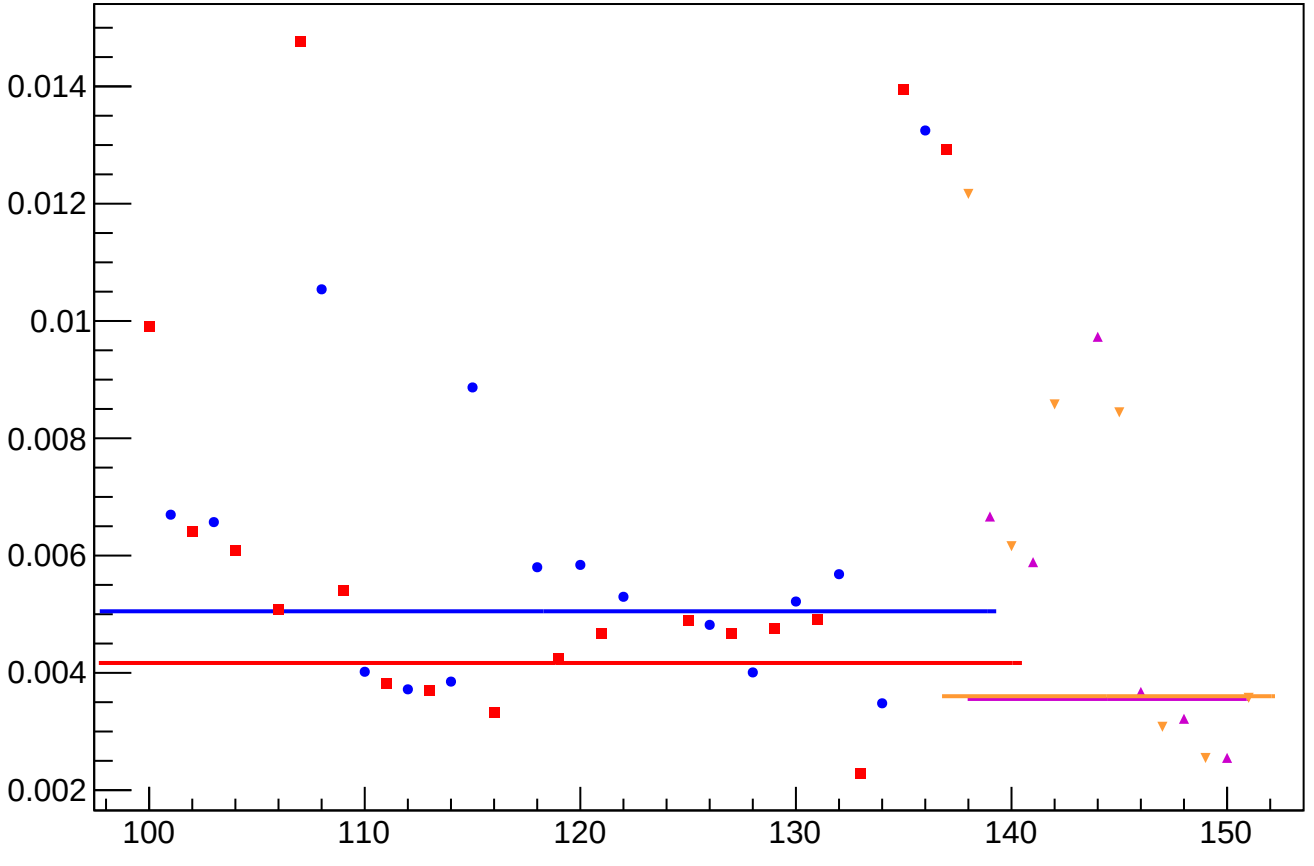
In: 29.850+/-0.007 χ^2/NDF:3310971.1/21

Out: 28.282+/-0.007 χ^2/NDF:4016670.8/24

All: 29.048+/-0.005 χ^2/NDF: 7354100.4/46


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:9.1/6
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:1.4/5
Left: -0.000+/-0.000 χ²/NDF: 13.5/12
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:27.6/21
Out: -0.000+/-0.000 χ²/NDF:34.5/24
All: -0.000+/-0.000 χ²/NDF: 62.5/46

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2178032.6/6

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:1537580.3/5

Left: 0.004+/-0.000 χ^2/NDF: 3716290.2/12

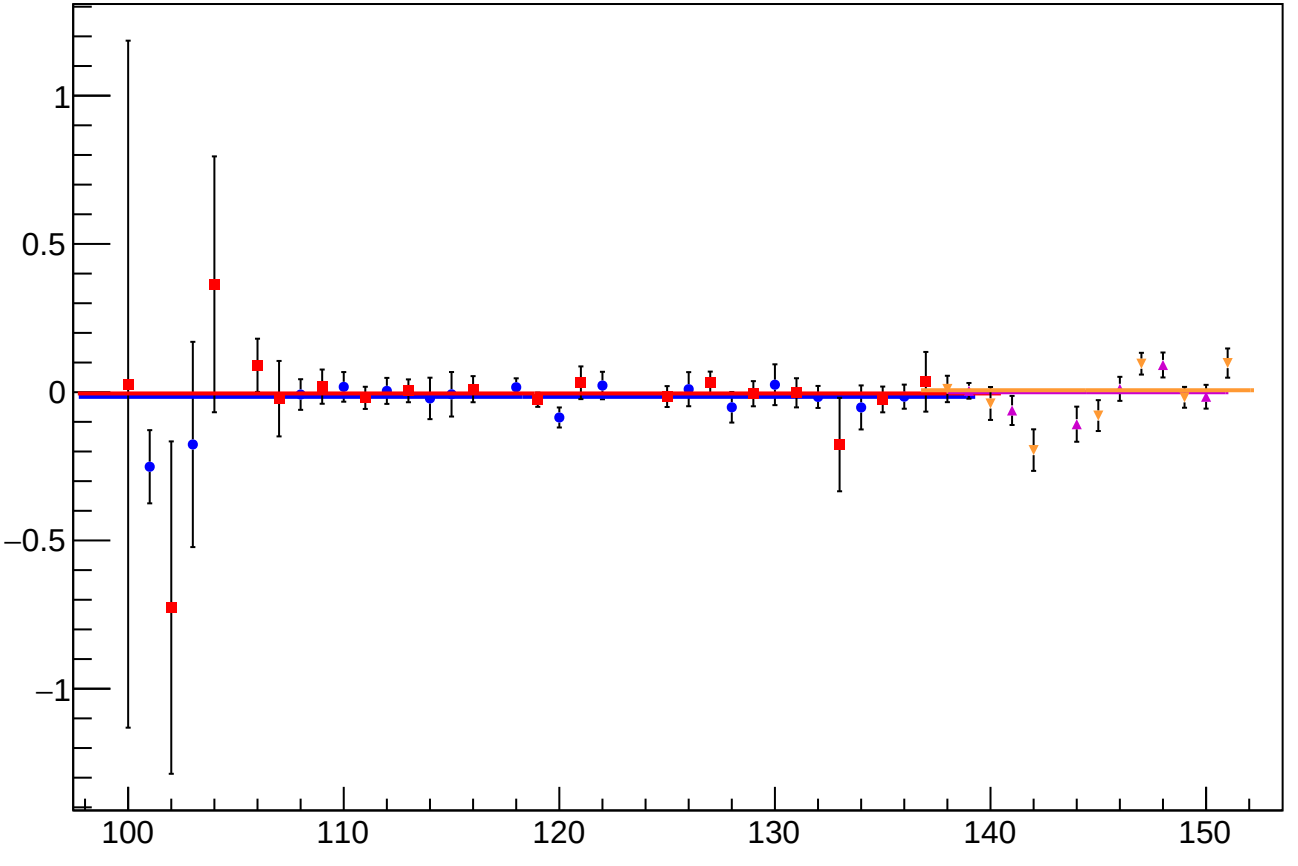
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:3643574.5/21

Out: 0.004+/-0.000 χ^2/NDF:4325959.3/24

All: 0.004+/-0.000 χ^2/NDF: 8028465.6/46

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: 0.007+/-0.017 χ^2/NDF:21.5/6

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.000+/-0.016 χ^2/NDF:9.9/5

Left: 0.003+/-0.012 χ^2/NDF: 31.5/12

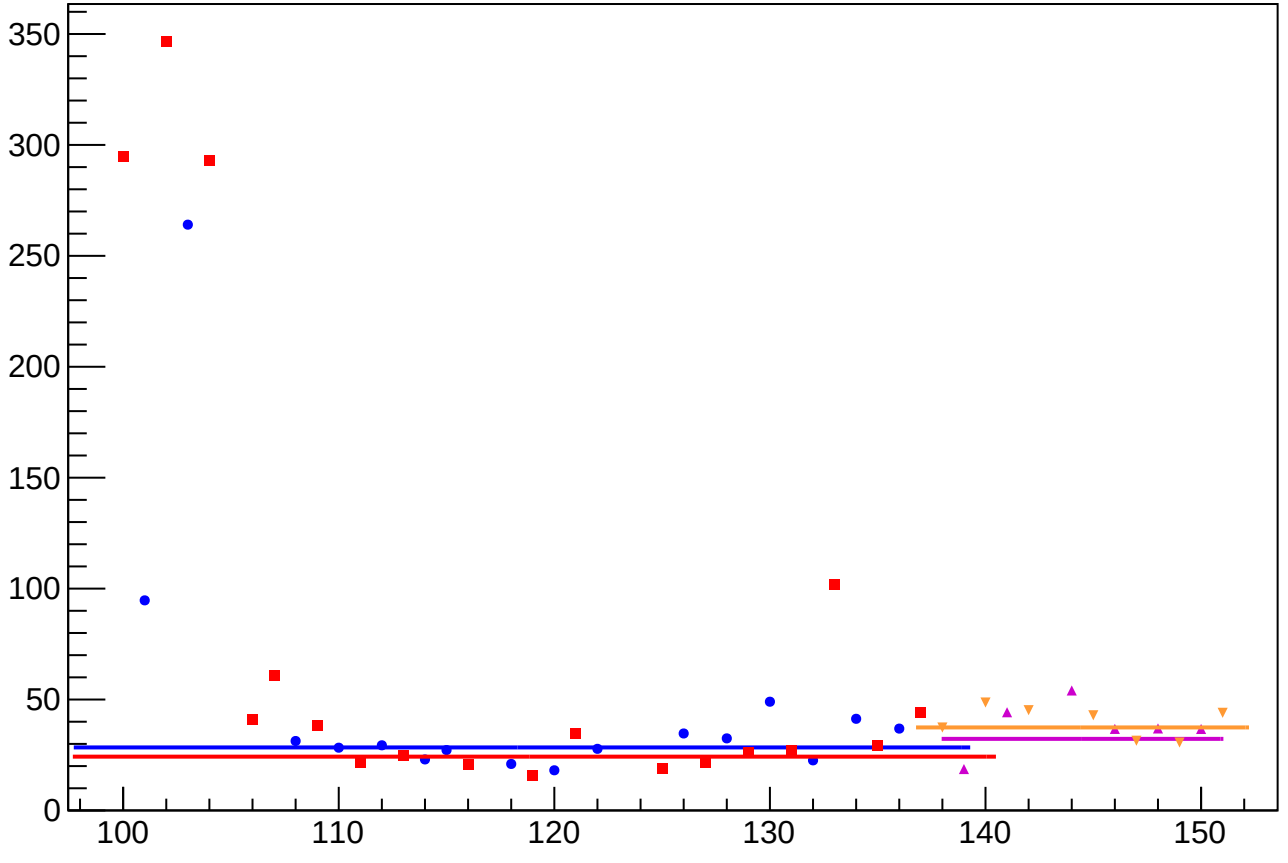
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/21

Out: -0.001+/-0.010 χ^2/NDF:29.6/24

All: -0.005+/-0.007 χ^2/NDF: 52.5/46

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.424+/-0.012 χ^2/NDF:292687.7/6

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 32.270+/-0.011 χ^2/NDF:992241.8/5

Left: 34.651+/-0.008 χ^2/NDF: 1381140.5/12

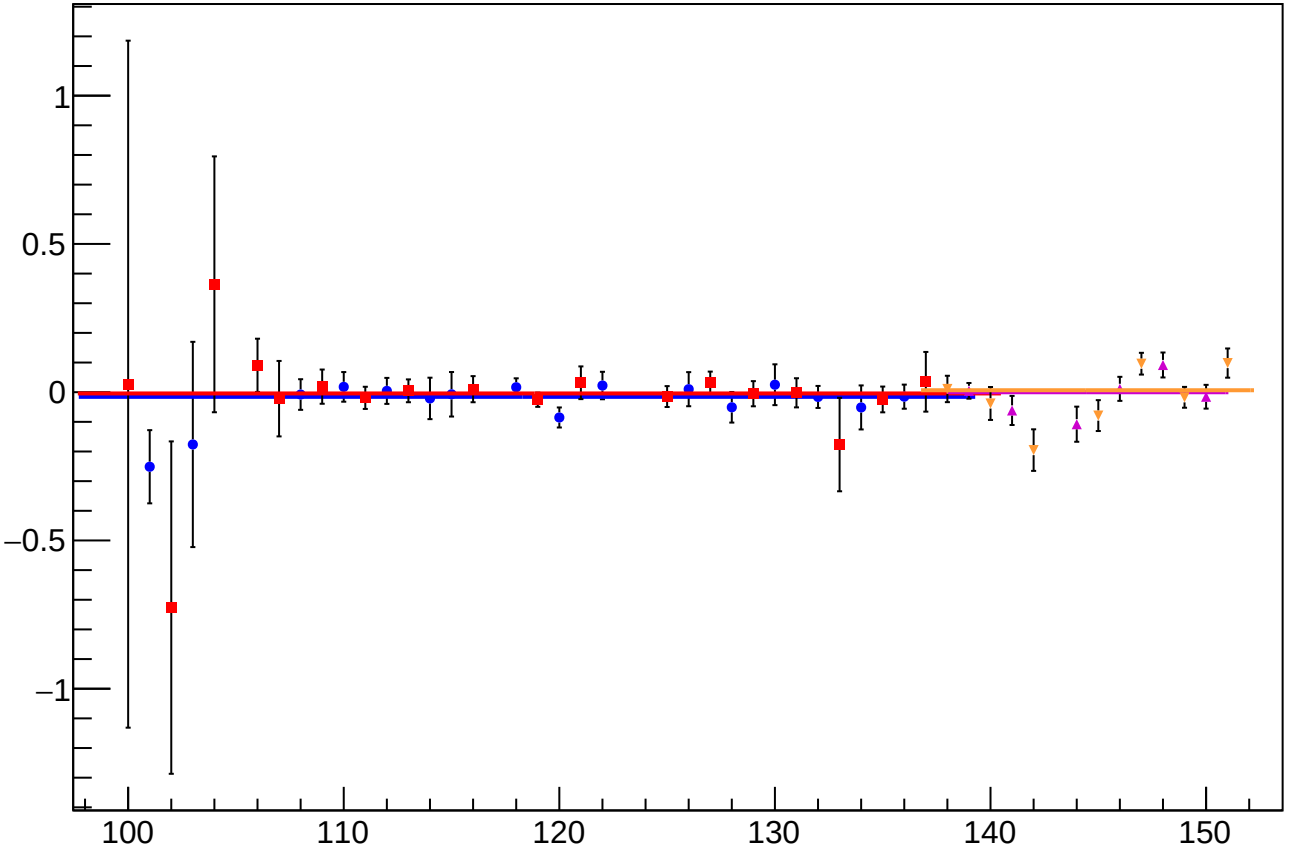
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 29.849+/-0.007 χ^2/NDF:3311186.4/21

Out: 28.280+/-0.007 χ^2/NDF:4017142.6/24

All: 29.047+/-0.005 χ^2/NDF: 7354812.9/46

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: 0.007+/-0.017 χ^2/NDF:21.5/6

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.000+/-0.016 χ^2/NDF:9.9/5

Left: 0.003+/-0.012 χ^2/NDF: 31.5/12

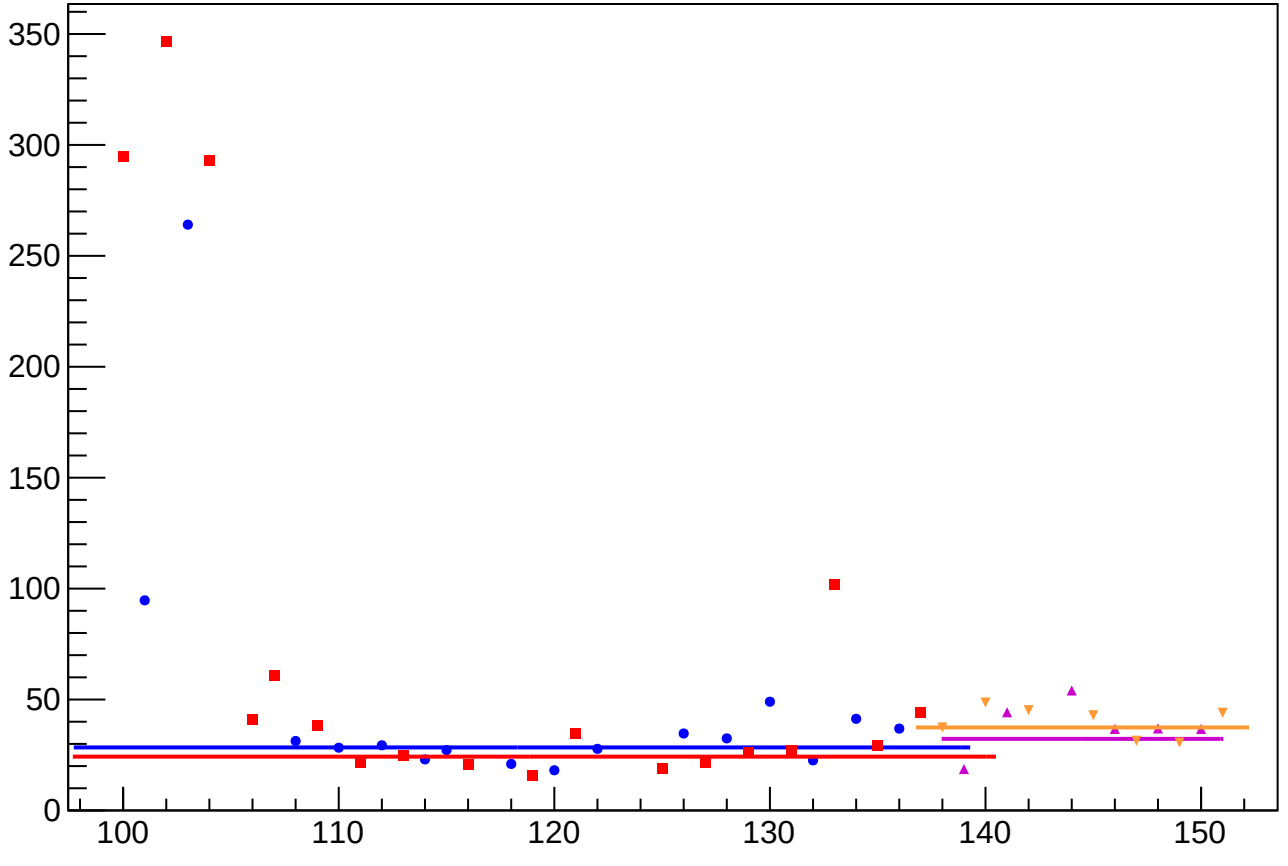
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.010+/-0.010 χ^2/NDF:22.4/21

Out: -0.001+/-0.010 χ^2/NDF:29.6/24

All: -0.005+/-0.007 χ^2/NDF: 52.5/46

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 37.424+/-0.012 χ^2/NDF:292687.7/6

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 32.270+/-0.011 χ^2/NDF:992241.8/5

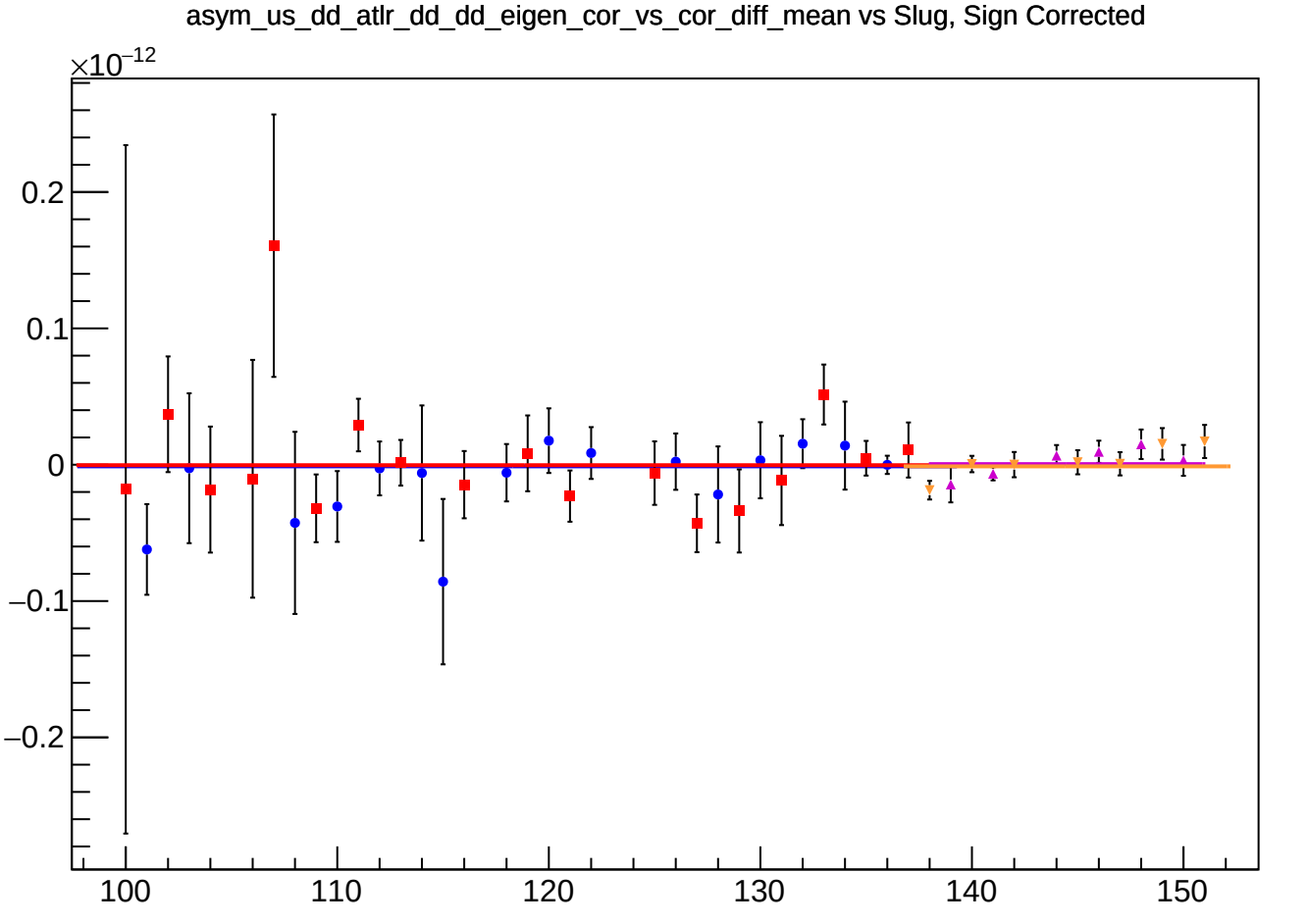
Left: 34.651+/-0.008 χ^2/NDF: 1381140.5/12

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 29.849+/-0.007 χ^2/NDF:3311186.4/21

Out: 28.280+/-0.007 χ^2/NDF:4017142.6/24

All: 29.047+/-0.005 χ^2/NDF: 7354812.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.1/5

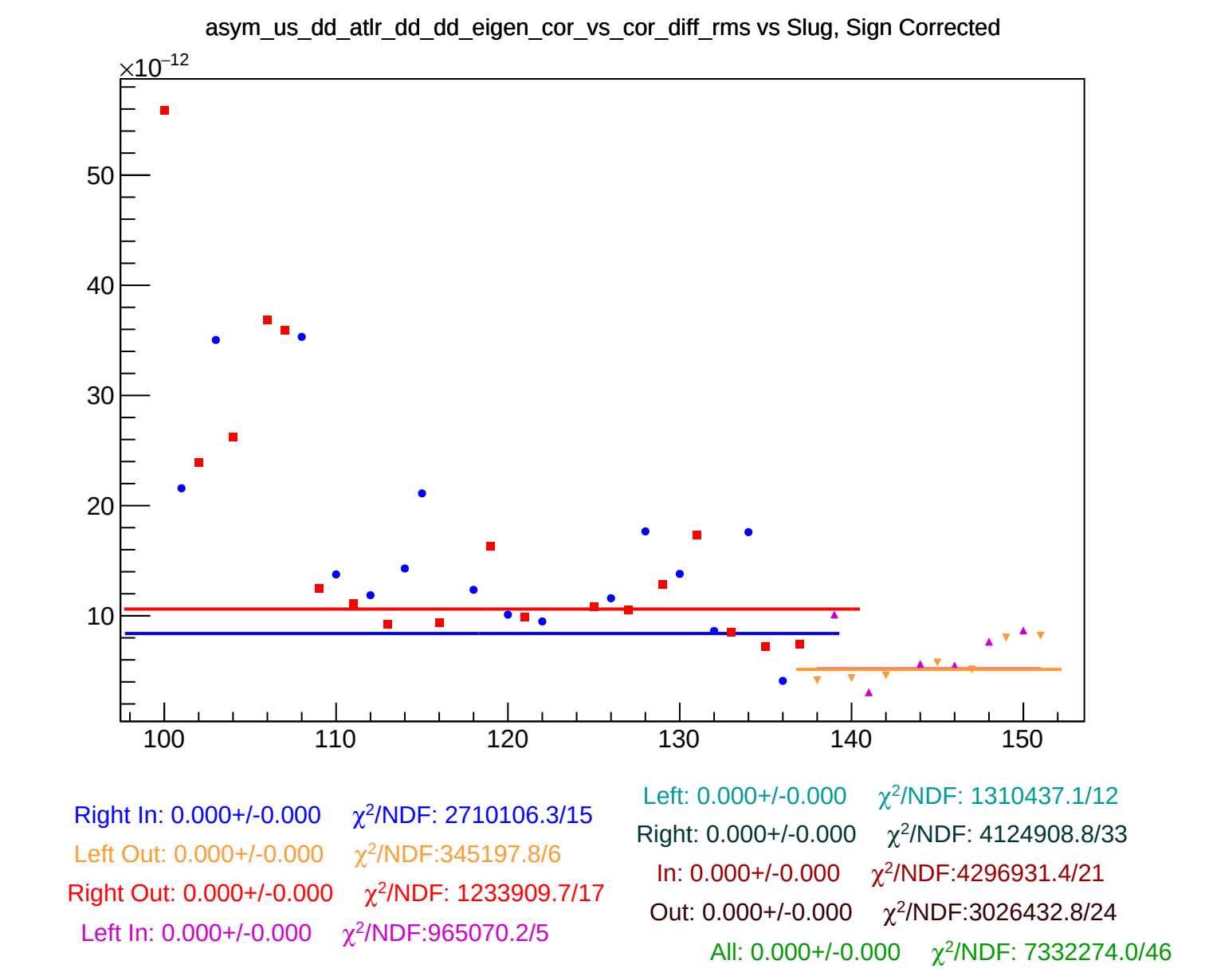
Left: -0.000+/-0.000 χ^2/NDF: 18.3/12

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

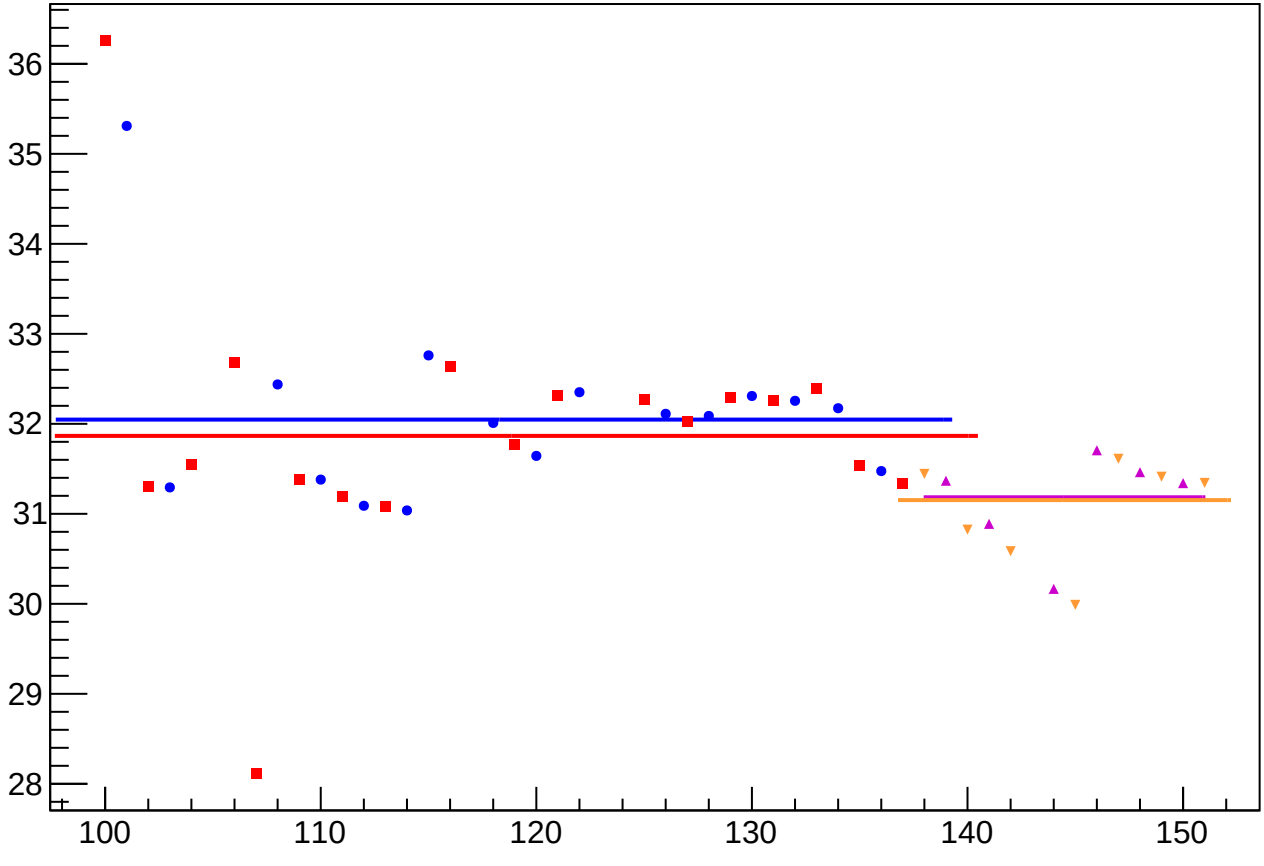
In: -0.000+/-0.000 χ^2/NDF:16.7/21

Out: -0.000+/-0.000 χ^2/NDF:32.2/24

All: -0.000+/-0.000 χ^2/NDF: 48.9/46


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:345197.8/6
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:965070.2/5
Left: 0.000+/-0.000 χ²/NDF: 1310437.1/12
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:4296931.4/21
Out: 0.000+/-0.000 χ²/NDF:3026432.8/24
All: 0.000+/-0.000 χ²/NDF: 7332274.0/46

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.152+/-0.000 χ^2/NDF:183630045.8/6

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.184+/-0.000 χ^2/NDF:171277689.9/5

Left: 31.168+/-0.000 χ^2/NDF: 355258974.0/12

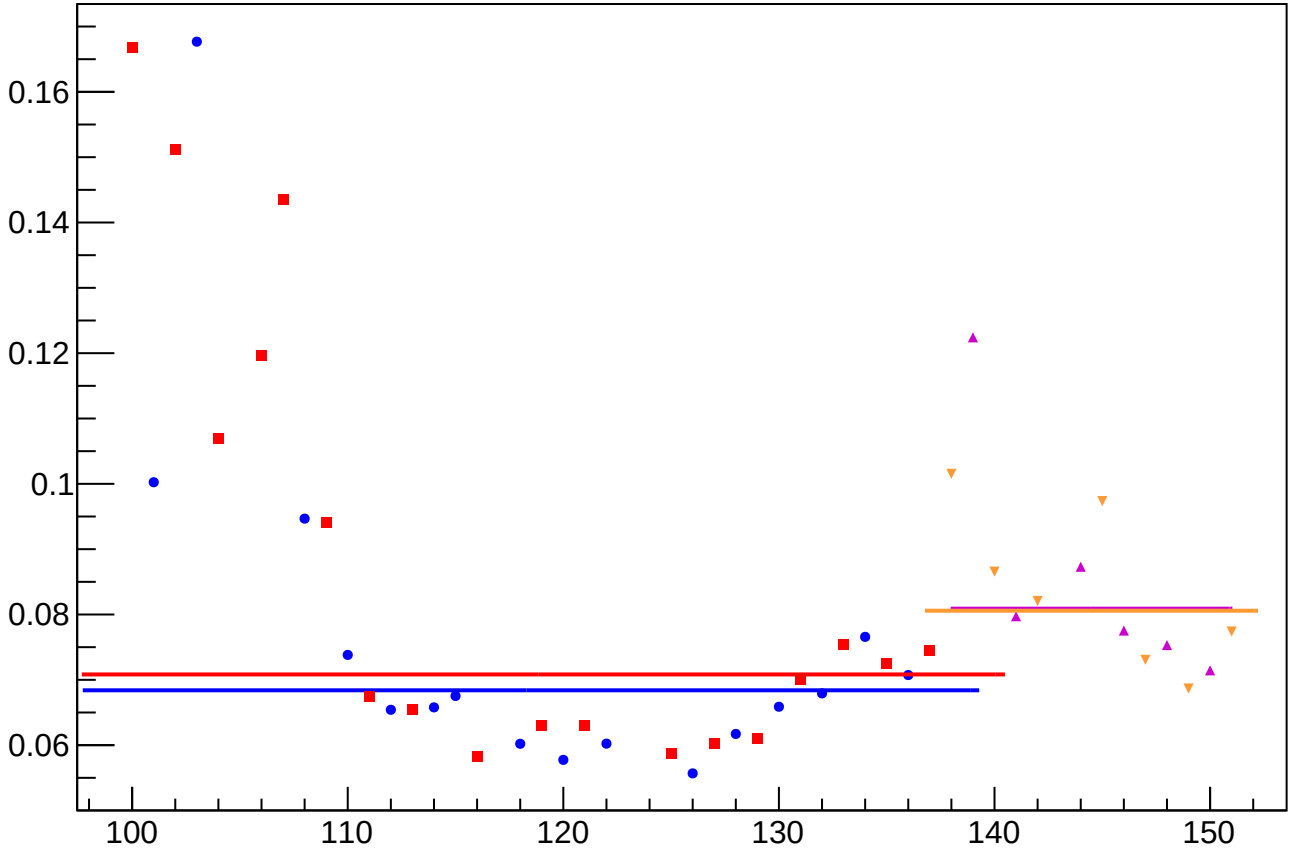
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.750+/-0.000 χ^2/NDF:1413232176.8/21

Out: 31.602+/-0.000 χ^2/NDF:903423429.8/24

All: 31.677+/-0.000 χ^2/NDF: 2338571255.1/4

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.081+/-0.000 χ^2/NDF:176721.0/6

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.081+/-0.000 χ^2/NDF:230337.4/5

Left: 0.081+/-0.000 χ^2/NDF: 407129.7/12

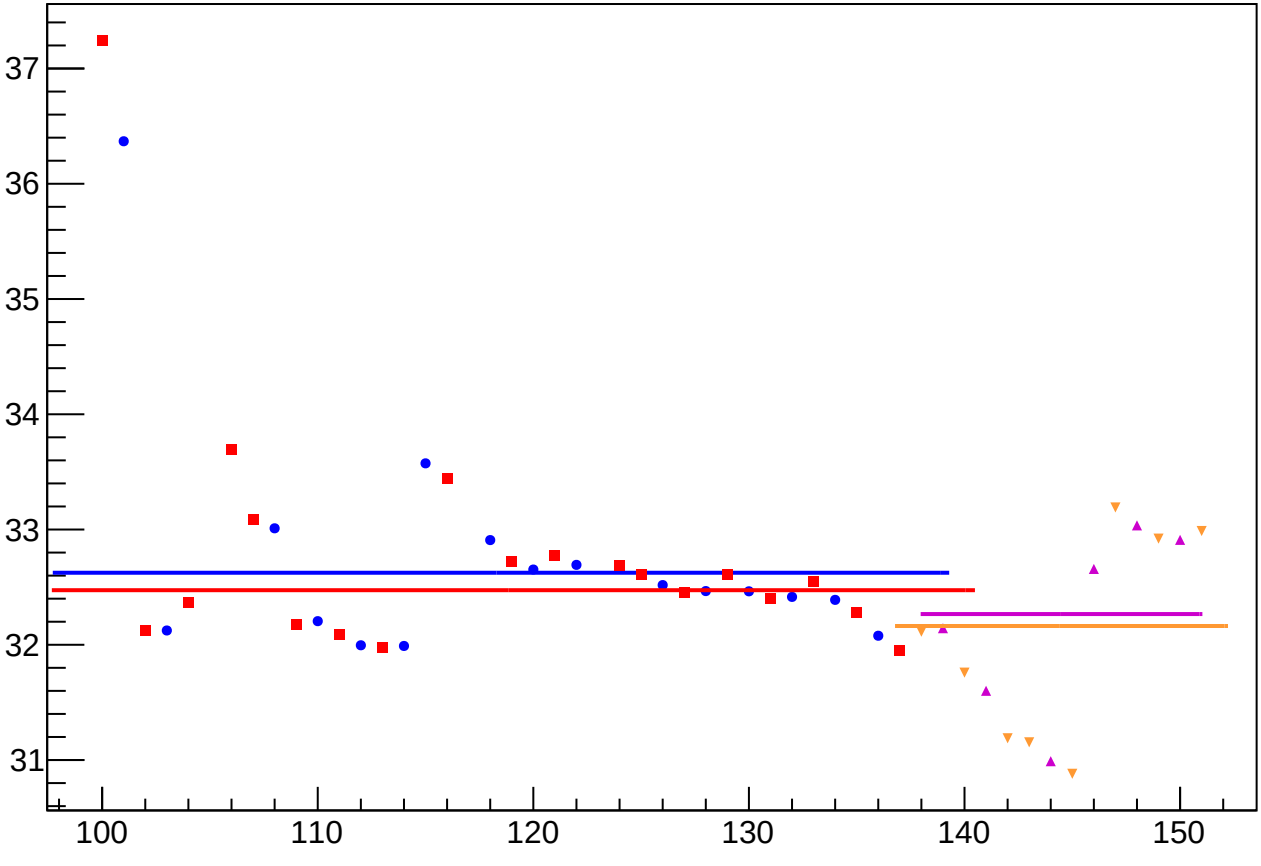
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.073+/-0.000 χ^2/NDF:1077450.4/21

Out: 0.074+/-0.000 χ^2/NDF:1132389.2/24

All: 0.074+/-0.000 χ^2/NDF: 2215857.5/46

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.163+/-0.000 χ^2/NDF:715198324.5/7

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.267+/-0.000 χ^2/NDF:472114506.8/5

Left: 32.211+/-0.000 χ^2/NDF: 1191879299.6/13

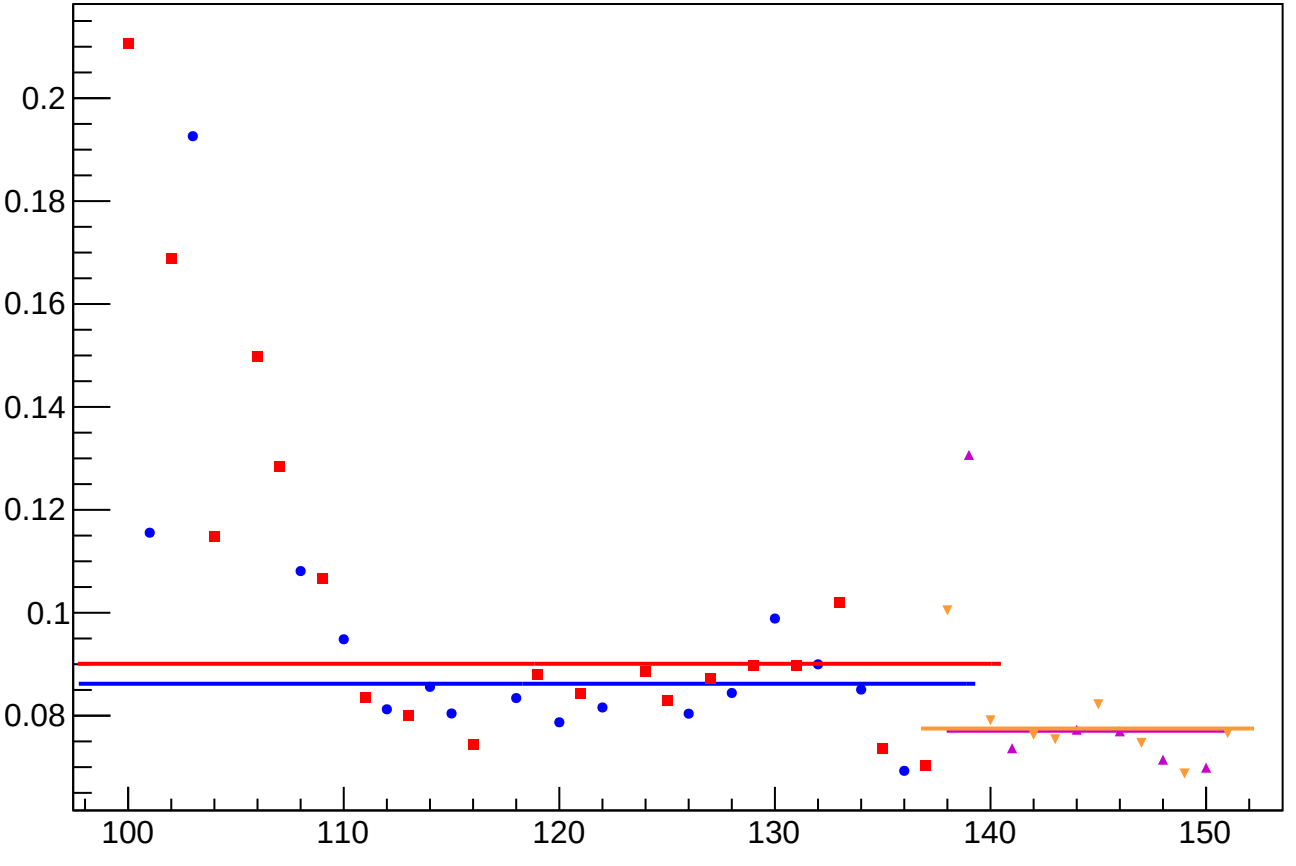
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.452+/-0.000 χ^2/NDF:1263752858.1/21

Out: 32.307+/-0.000 χ^2/NDF:913072797.9/26

All: 32.378+/-0.000 χ^2/NDF: 2194306885.4/4

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:109105.6/7

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.077+/-0.000 χ^2/NDF:305430.5/5

Left: 0.077+/-0.000 χ^2/NDF: 414694.7/13

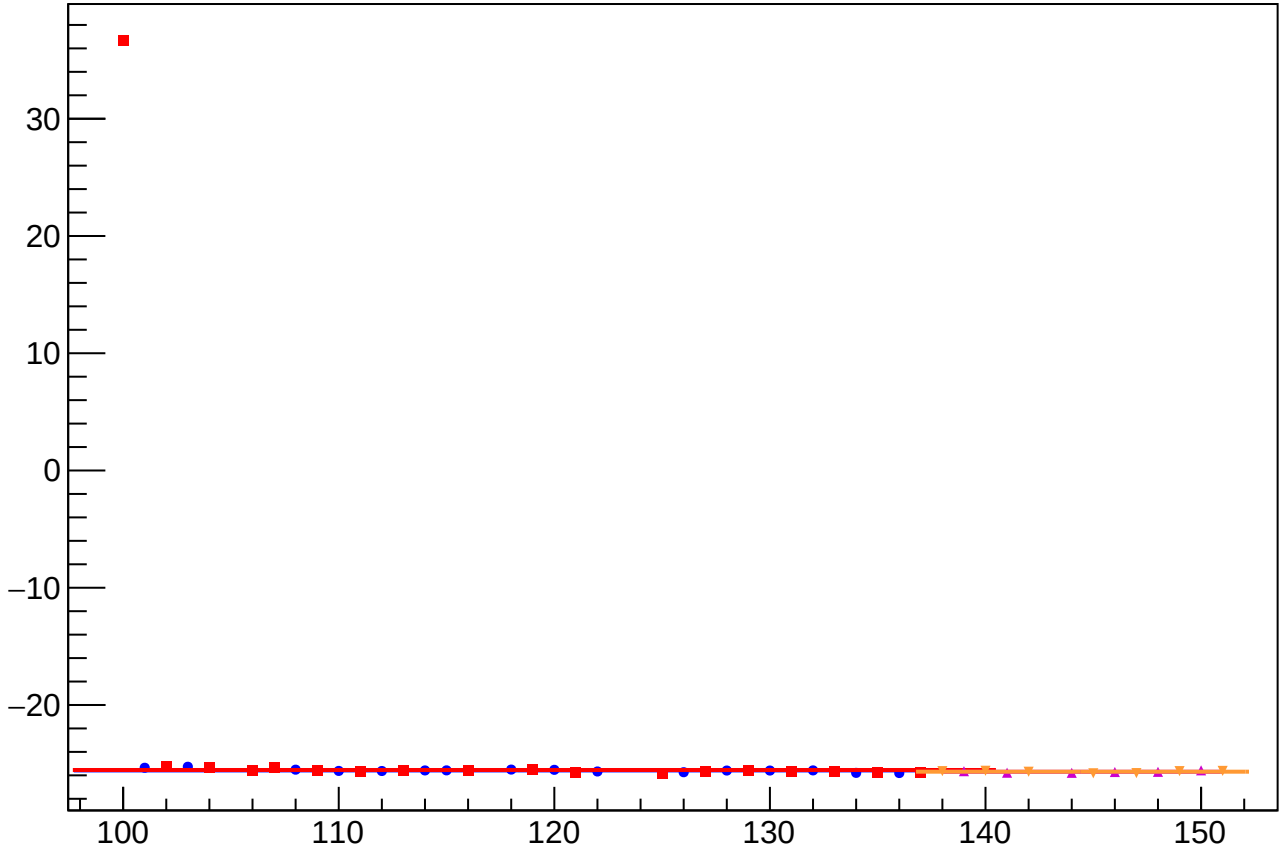
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.082+/-0.000 χ^2/NDF:972294.0/21

Out: 0.083+/-0.000 χ^2/NDF:865618.5/26

All: 0.083+/-0.000 χ^2/NDF: 1841951.9/48

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.688+/-0.000 χ^2/NDF:20338339.5/6

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.698+/-0.000 χ^2/NDF:15619718.5/5

Left: -25.693+/-0.000 χ^2/NDF: 36094451.7/12

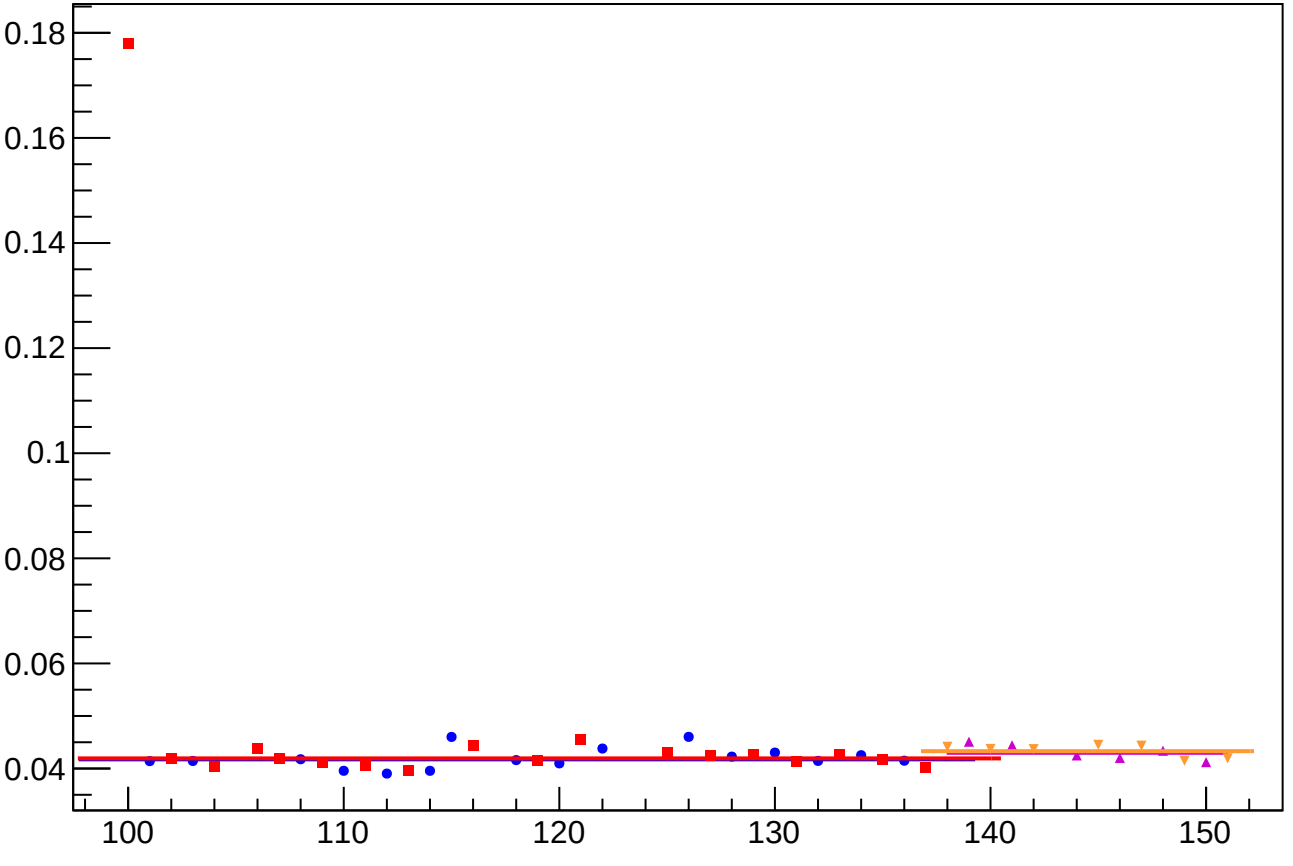
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.627+/-0.000 χ^2/NDF:137662154.1/21

Out: -25.603+/-0.000 χ^2/NDF:8962888540.7/24

All: -25.615+/-0.000 χ^2/NDF: 9102665787.7/

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.043+/-0.000 χ^2/NDF:7789.8/6

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.043+/-0.000 χ^2/NDF:10064.9/5

Left: 0.043+/-0.000 χ^2/NDF: 18127.4/12

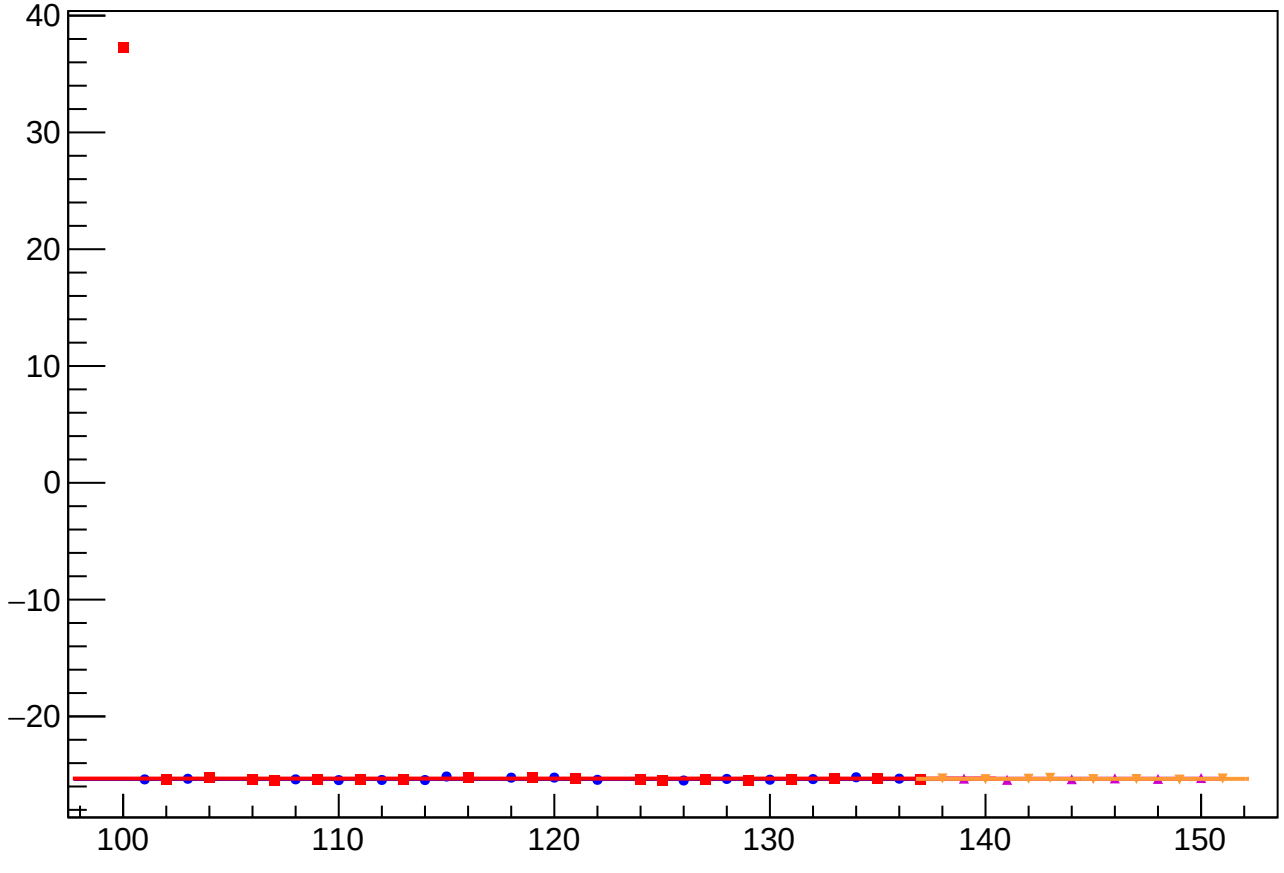
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:35979.6/21

Out: 0.042+/-0.000 χ^2/NDF:114291.0/24

All: 0.042+/-0.000 χ^2/NDF: 150654.4/46

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.345+/-0.000 χ^2/NDF:3720828.7/7

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.338+/-0.000 χ^2/NDF:3798709.4/5

Left: -25.342+/-0.000 χ^2/NDF: 7556987.0/13

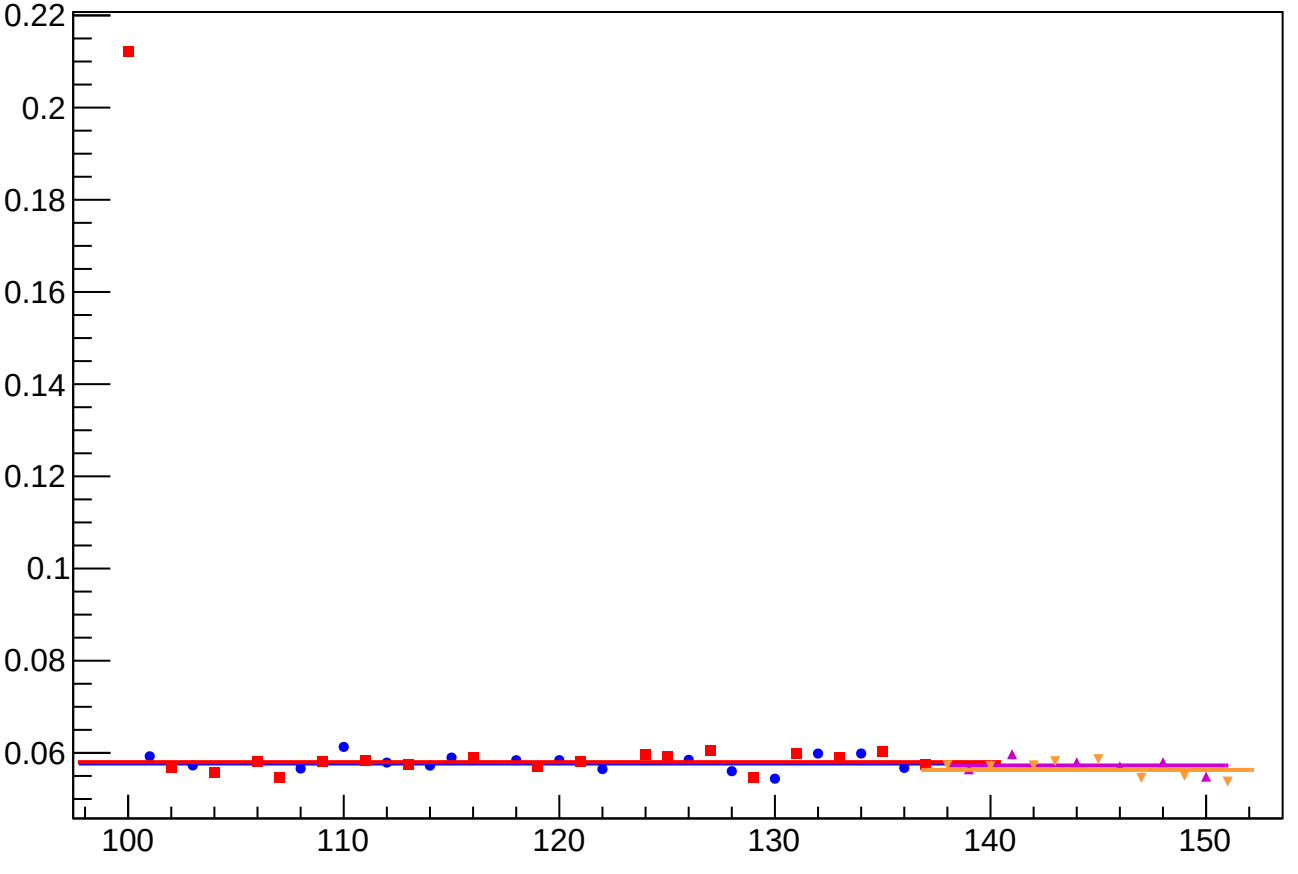
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.351+/-0.000 χ^2/NDF:17511479.3/21

Out: -25.333+/-0.000 χ^2/NDF:6319153743.6/26

All: -25.341+/-0.000 χ^2/NDF: 6337297539.2/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:11261.6/7

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.057+/-0.000 χ^2/NDF:7156.6/5

Left: 0.057+/-0.000 χ^2/NDF: 19975.1/13

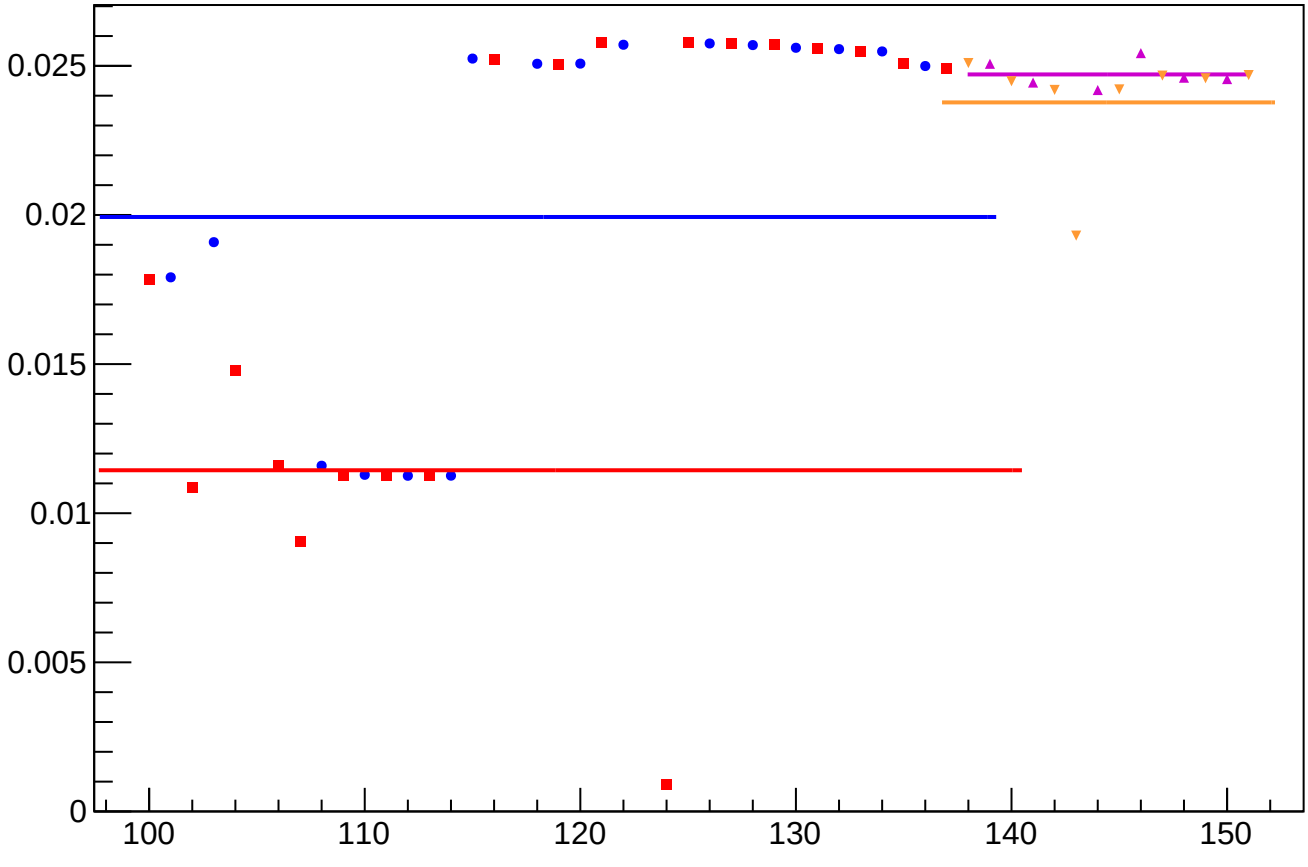
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.058+/-0.000 χ^2/NDF:19251.9/21

Out: 0.057+/-0.000 χ^2/NDF:105636.6/26

All: 0.057+/-0.000 χ^2/NDF: 125249.0/48

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4300405945.4/7

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:152256995.5/5

Left: 0.024+/-0.000 χ^2/NDF: 4904567759.7/13

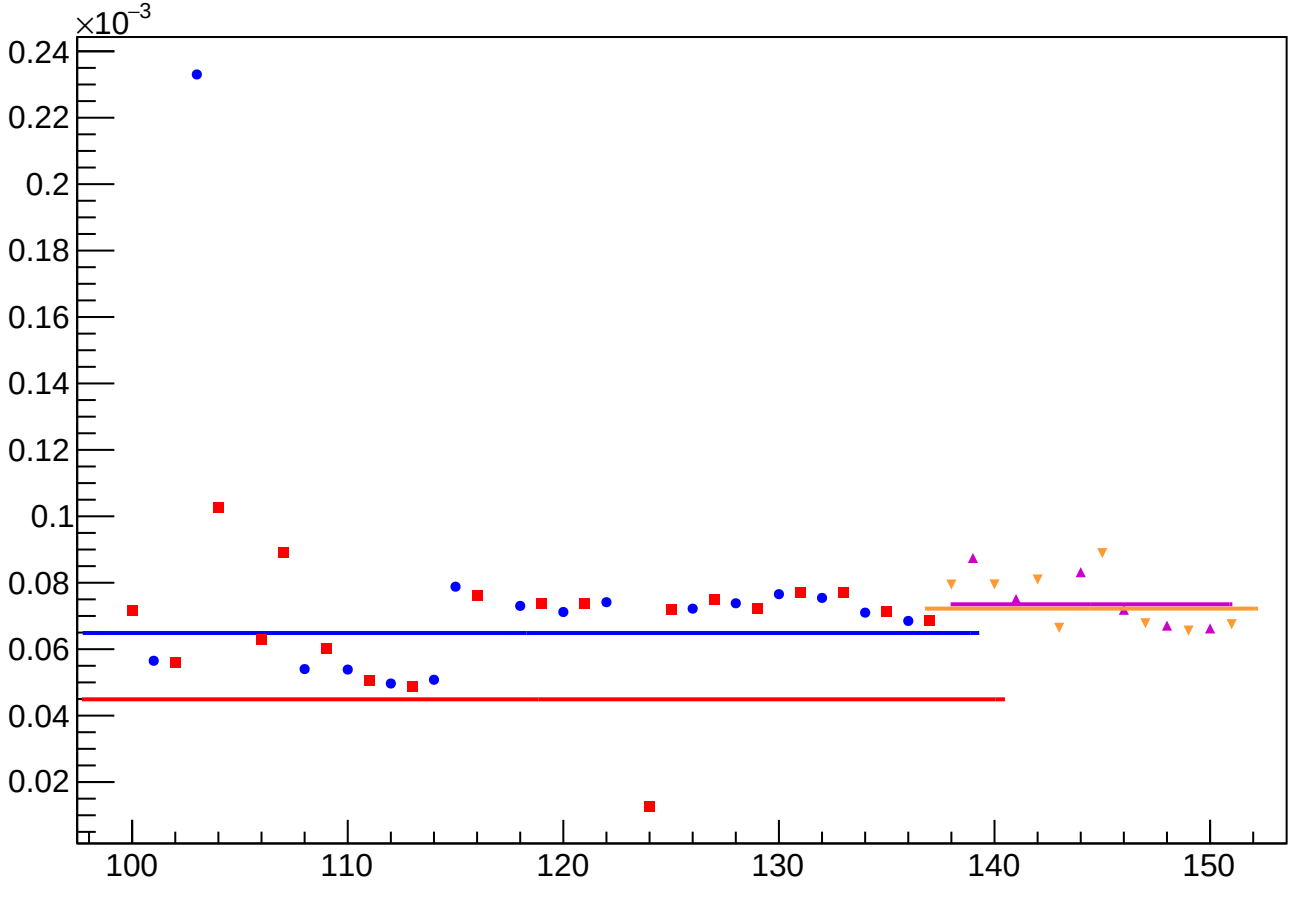
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.022+/-0.000 χ^2/NDF:75971654795.1/21

Out: 0.015+/-0.000 χ^2/NDF:377518881570.7/26

All: 0.018+/-0.000 χ^2/NDF: 515167952204.5

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:134337.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:102577.7/5

Left: 0.000+/-0.000 χ^2/NDF: 238628.5/13

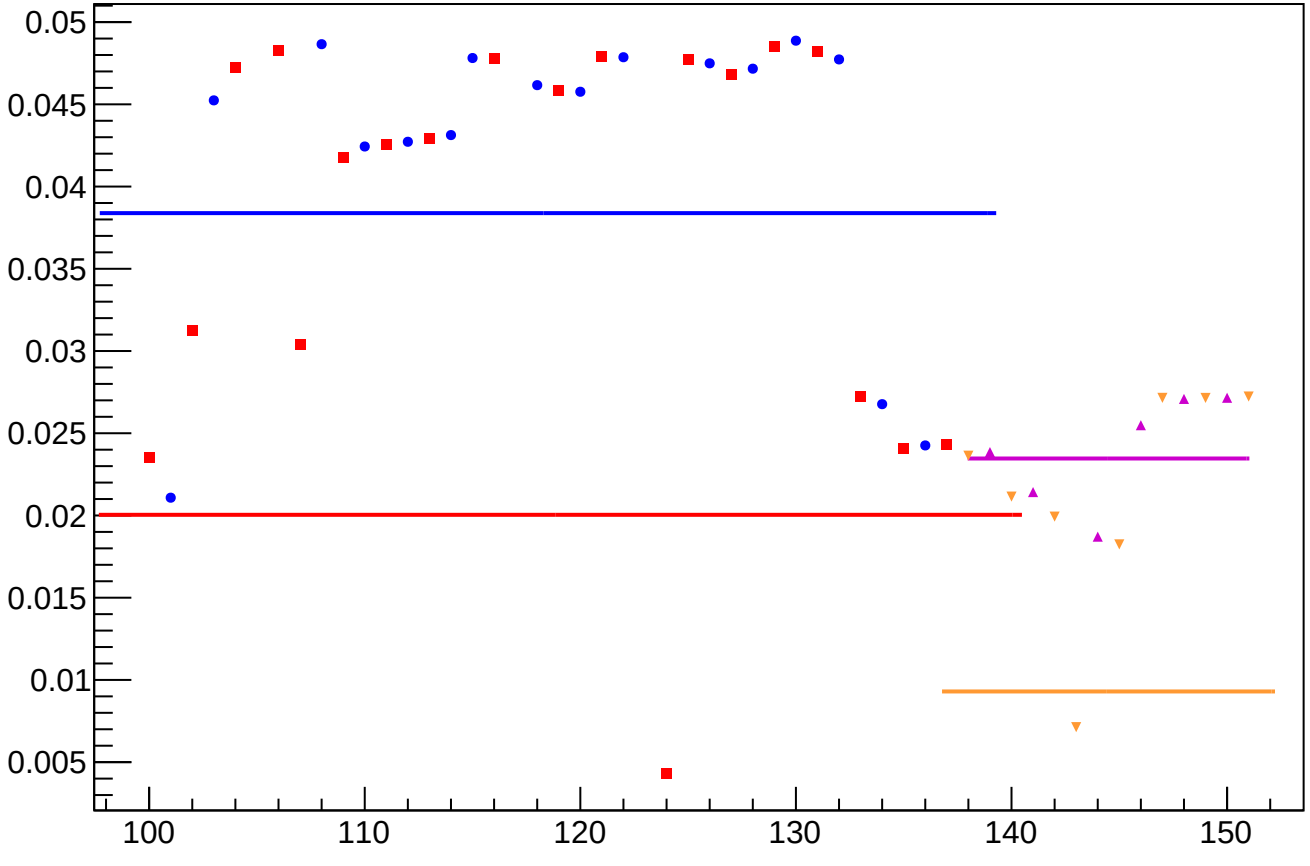
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1006715.3/21

Out: 0.000+/-0.000 χ^2/NDF:5075286.8/26

All: 0.000+/-0.000 χ^2/NDF: 6723843.0/48

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:16315254940.6/7

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.023+/-0.000 χ^2/NDF:746567937.5/5

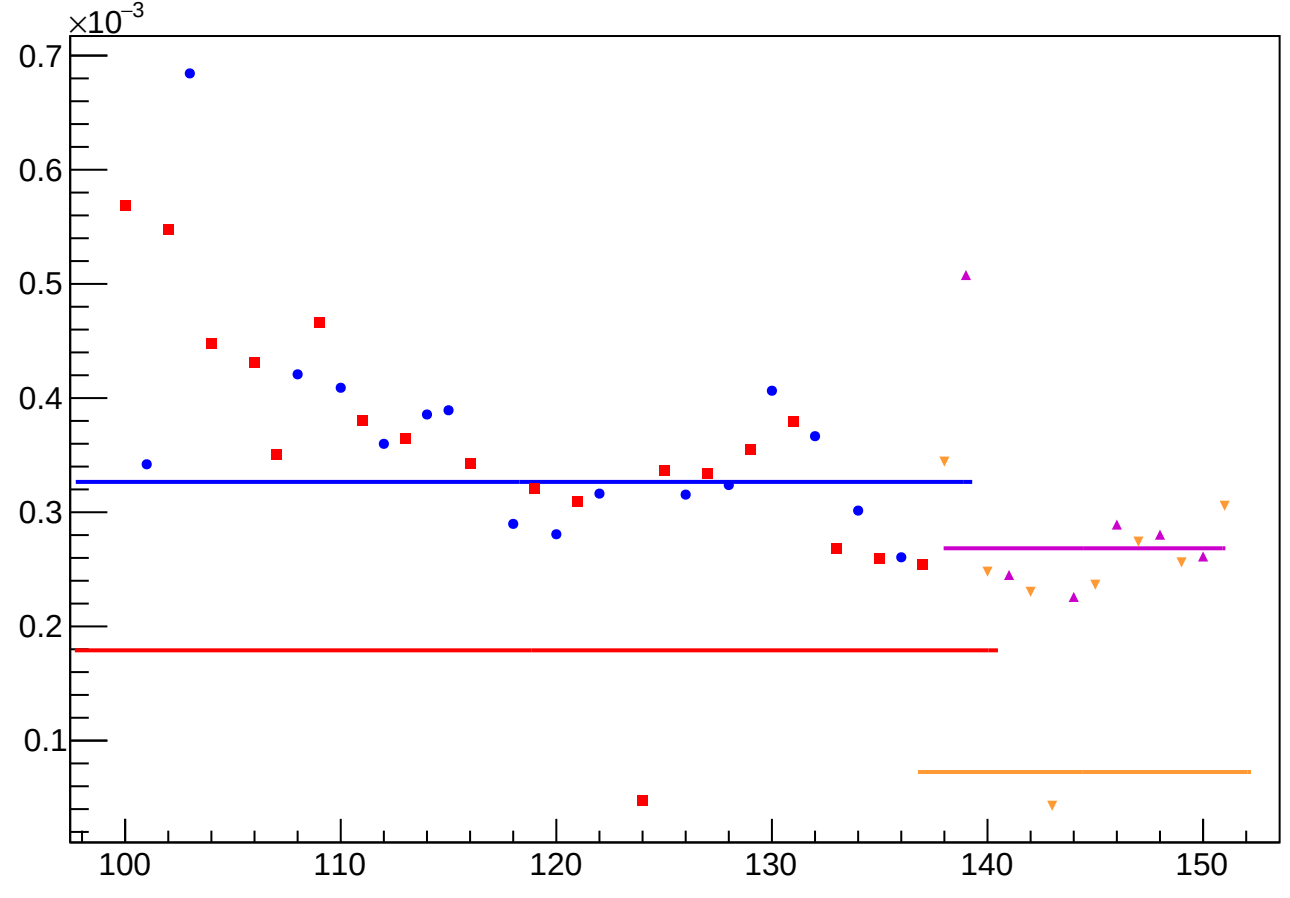
Left: 0.011+/-0.000 χ^2/NDF: 28354079925.5/13

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.031+/-0.000 χ^2/NDF:14639781121.5/21

Out: 0.011+/-0.000 χ^2/NDF:69830195191.6/26

All: 0.015+/-0.000 χ^2/NDF: 122526051932.4



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5868258.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:439563.7/5

Left: 0.000+/-0.000 χ^2/NDF: 10629070.5/13

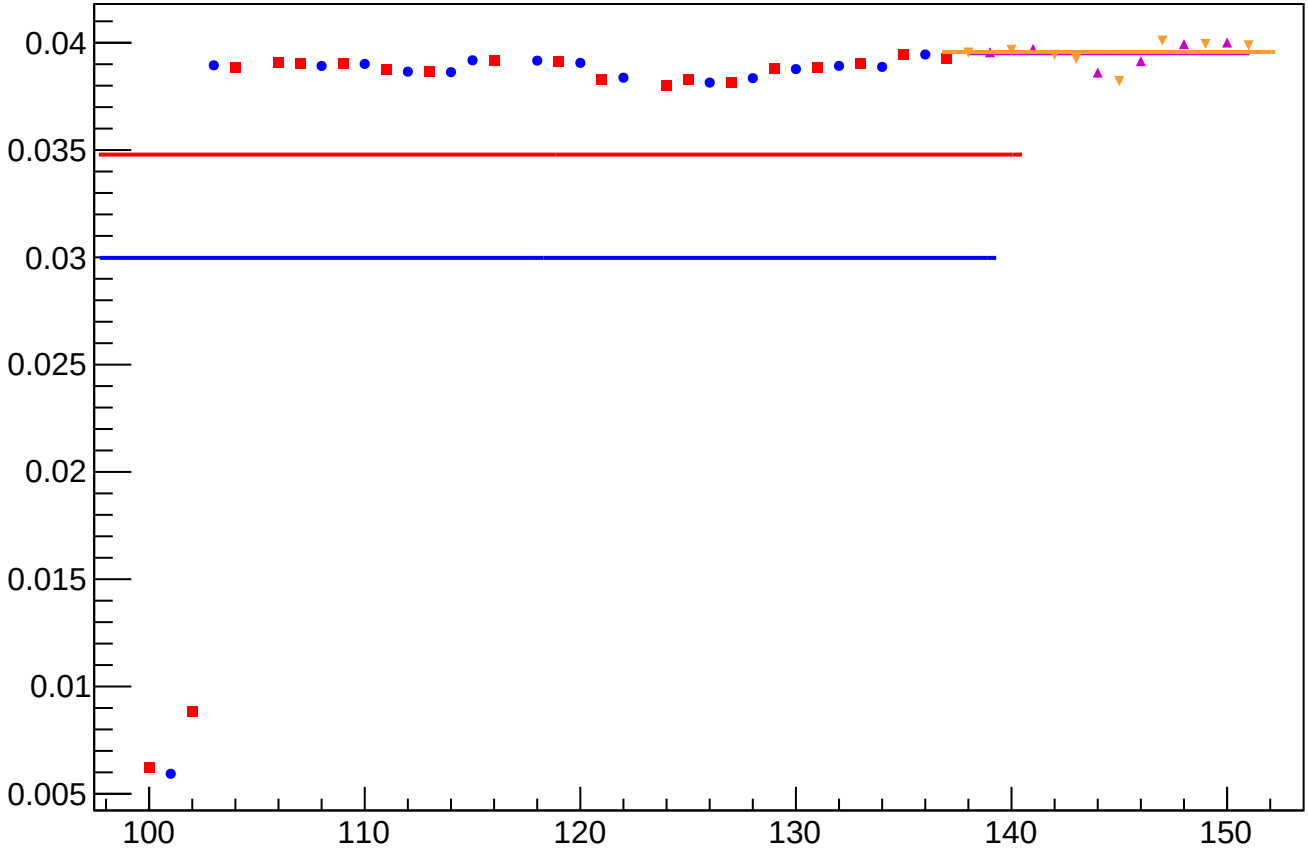
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1228004.5/21

Out: 0.000+/-0.000 χ^2/NDF:13759394.4/26

All: 0.000+/-0.000 χ^2/NDF: 23448491.2/48

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:92071895.4/7

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:63675209.7/5

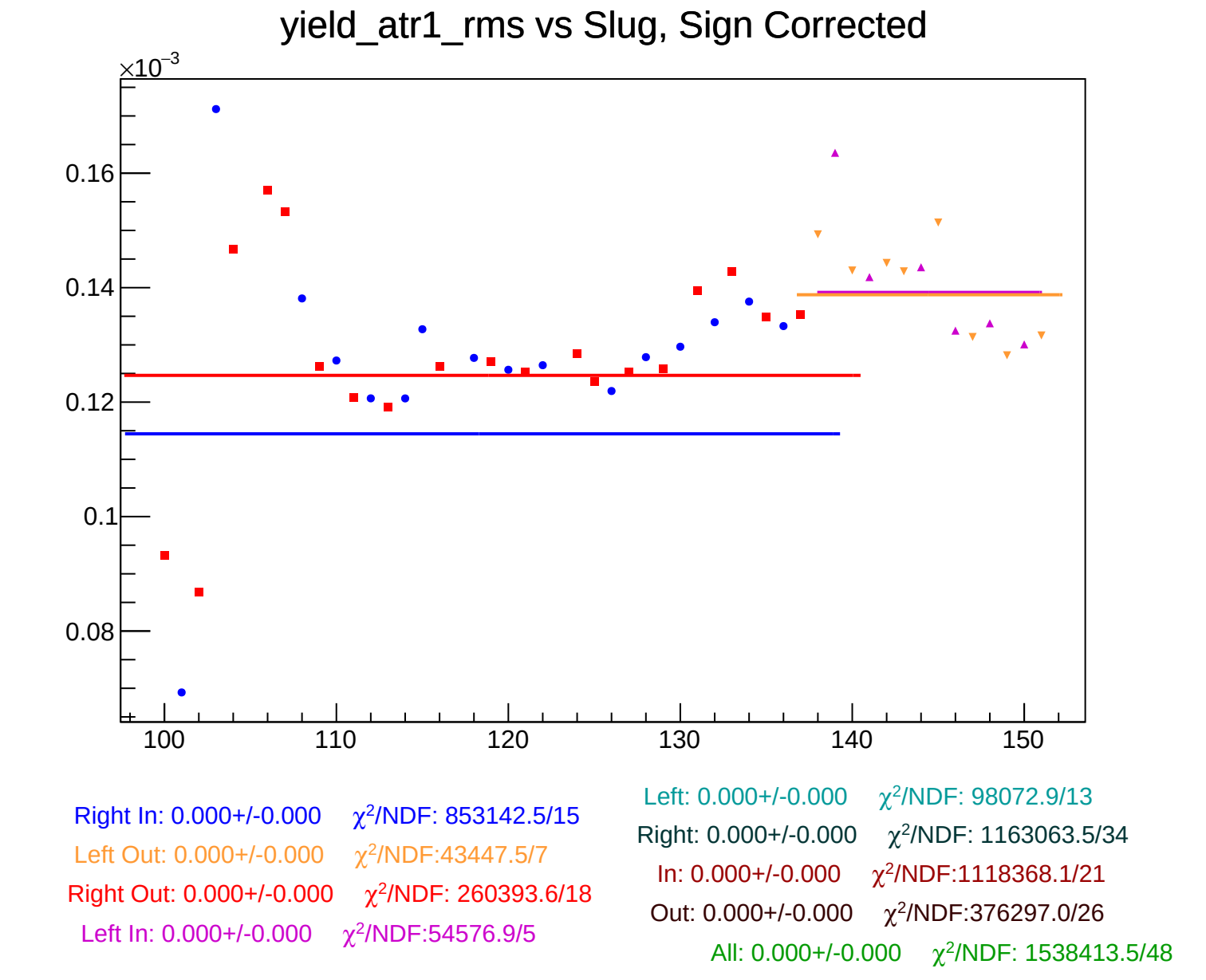
Left: 0.040+/-0.000 χ^2/NDF: 156270342.7/13

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

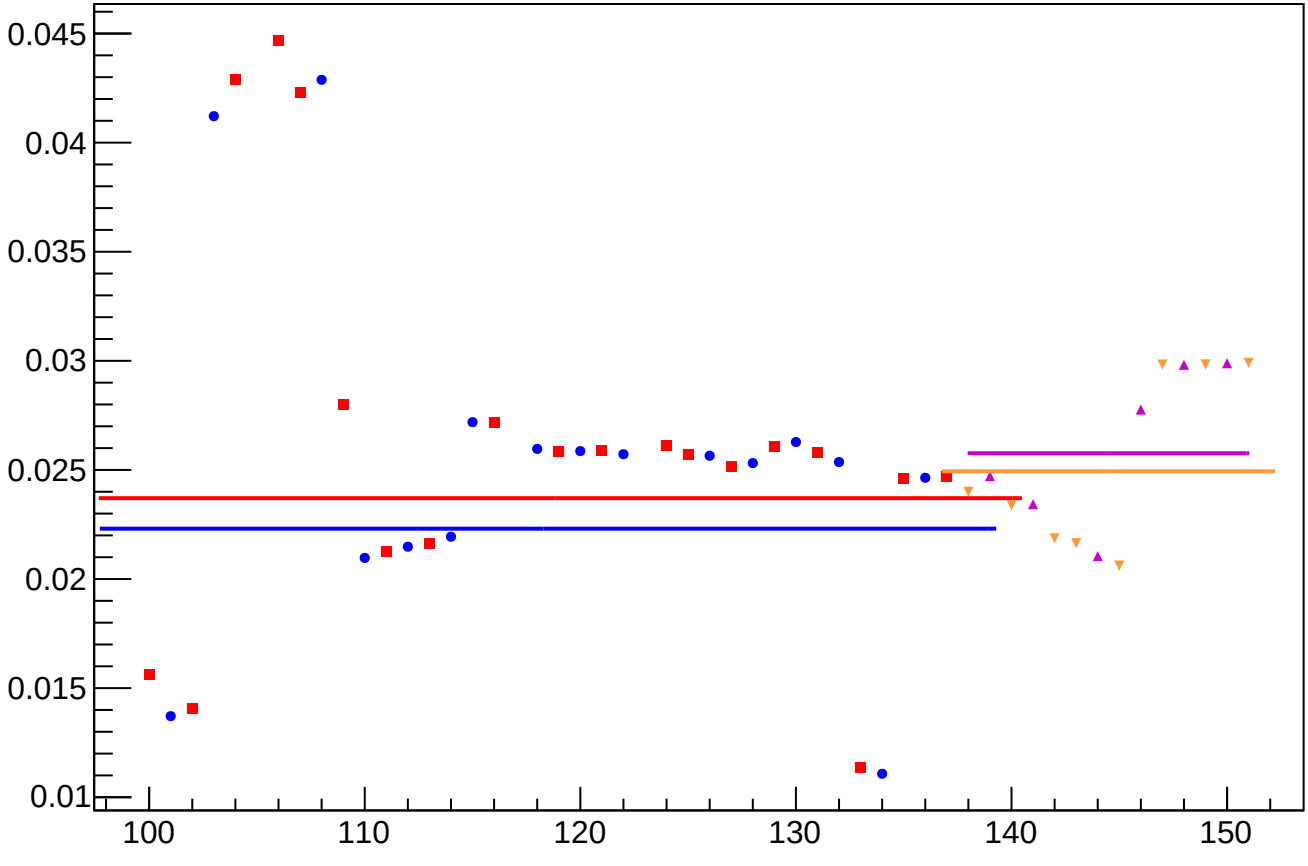
In: 0.033+/-0.000 χ^2/NDF:124012748726.2/21

Out: 0.037+/-0.000 χ^2/NDF:51530527237.2/26

All: 0.035+/-0.000 χ^2/NDF: 180287261335.6


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:43447.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:54576.9/5
Left: 0.000+/-0.000 χ²/NDF: 98072.9/13
Right: 0.000+/-0.000 χ²/NDF: 1163063.5/34
In: 0.000+/-0.000 χ²/NDF:1118368.1/21
Out: 0.000+/-0.000 χ²/NDF:376297.0/26
All: 0.000+/-0.000 χ²/NDF: 1538413.5/48

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.025+/-0.000 χ^2/NDF:1280581923.5/7

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.026+/-0.000 χ^2/NDF:895009043.8/5

Left: 0.025+/-0.000 χ^2/NDF: 2201874327.3/13

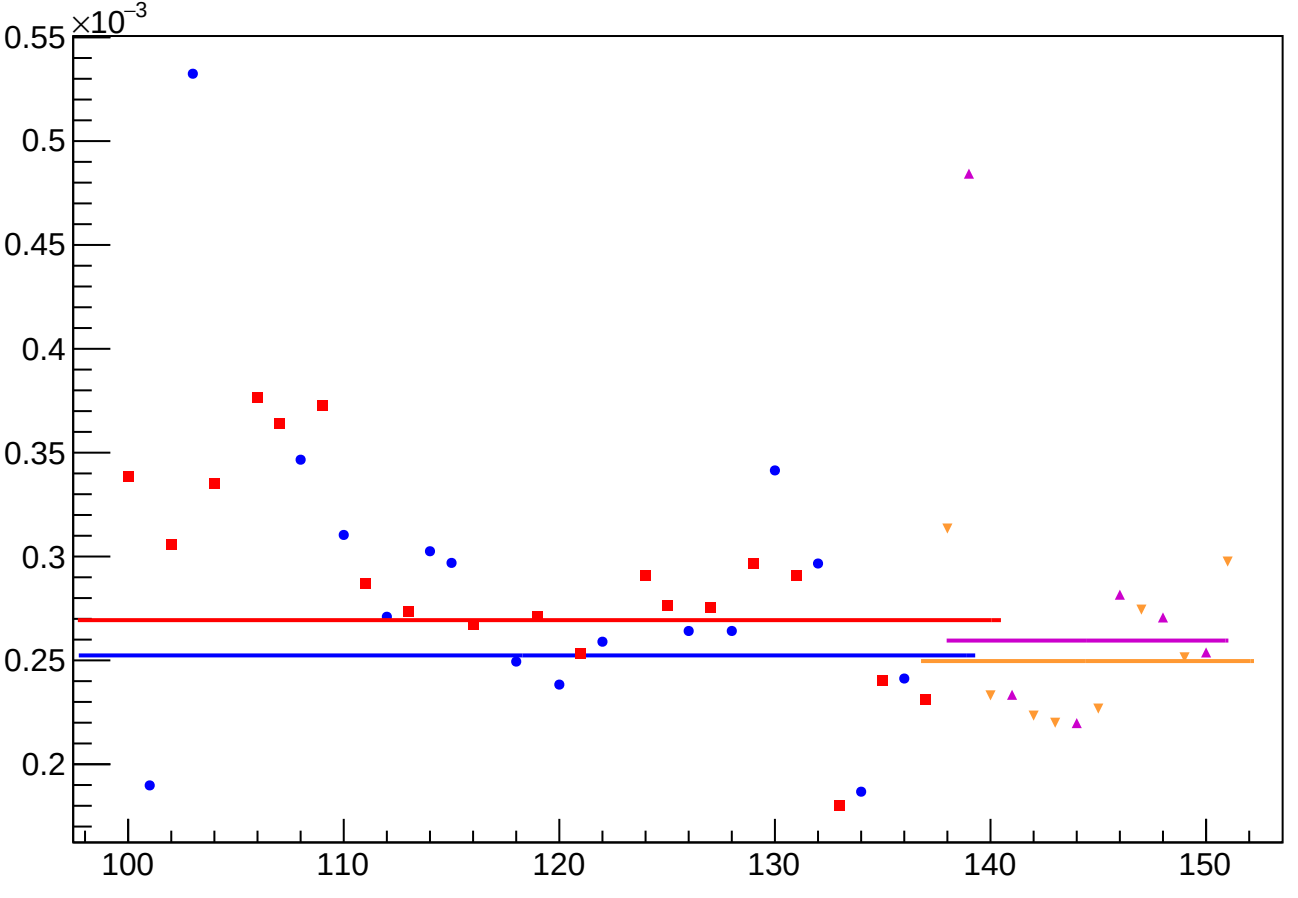
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.024+/-0.000 χ^2/NDF:6390326324.6/21

Out: 0.024+/-0.000 χ^2/NDF:6928925435.7/26

All: 0.024+/-0.000 χ^2/NDF: 13348110135.5/4

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:166687.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:436108.2/5

Left: 0.000+/-0.000 χ^2/NDF: 610243.7/13

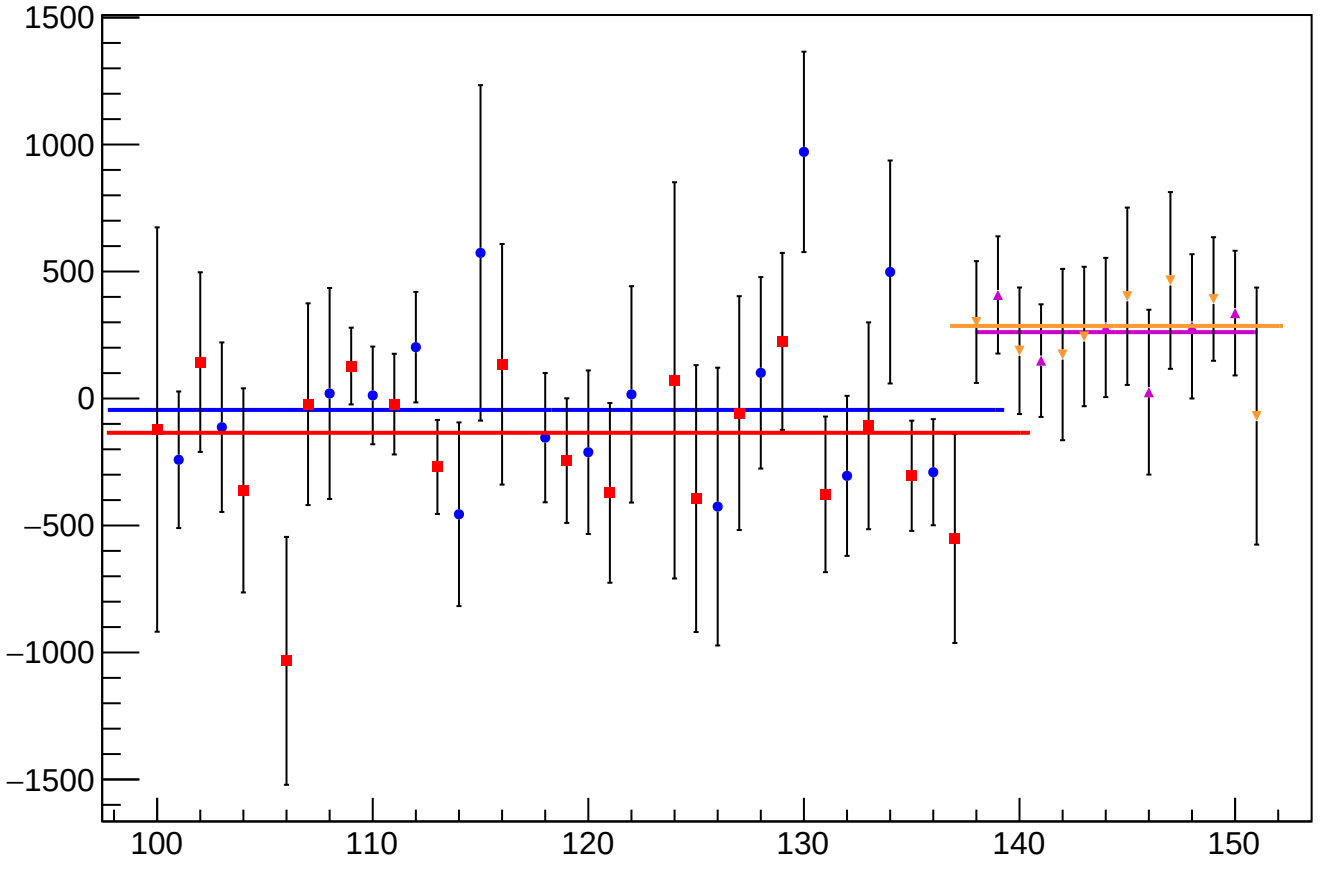
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1148102.9/21

Out: 0.000+/-0.000 χ^2/NDF:647112.6/26

All: 0.000+/-0.000 χ^2/NDF: 1798453.3/48

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: 285.642+/-103.791 χ^2/NDF:1.4/7

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 261.242+/-104.884 χ^2/NDF:1.3/5

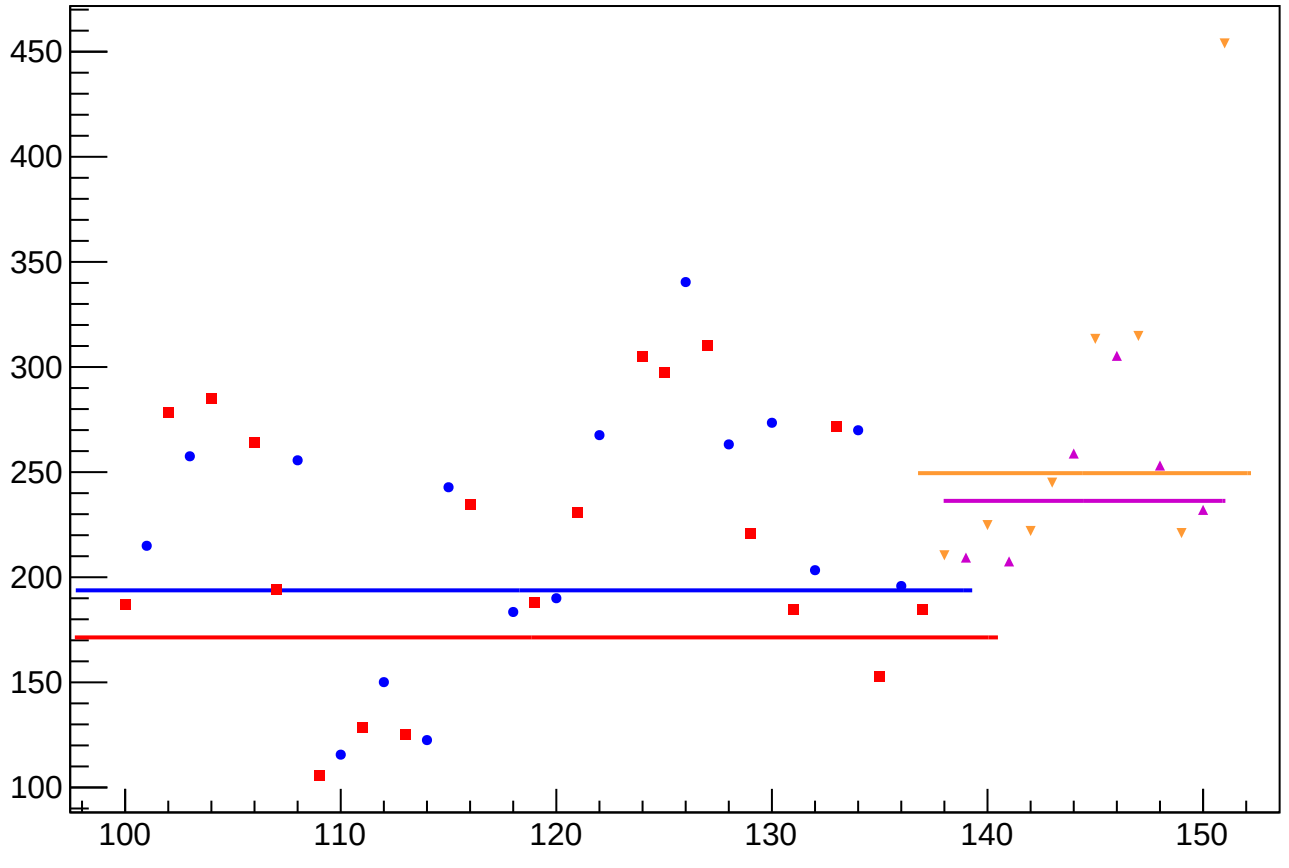
Left: 273.569+/-73.774 χ^2/NDF: 2.7/13

Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 60.850+/-61.647 χ^2/NDF:22.3/21

Out: -8.506+/-56.916 χ^2/NDF:25.8/26

All: 23.409+/-41.818 χ^2/NDF: 48.8/48



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 249.514+/-0.073 χ^2/NDF:577628.3/7

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 236.333+/-0.074 χ^2/NDF:172534.4/5

Left: 242.993+/-0.052 χ^2/NDF: 766120.2/13

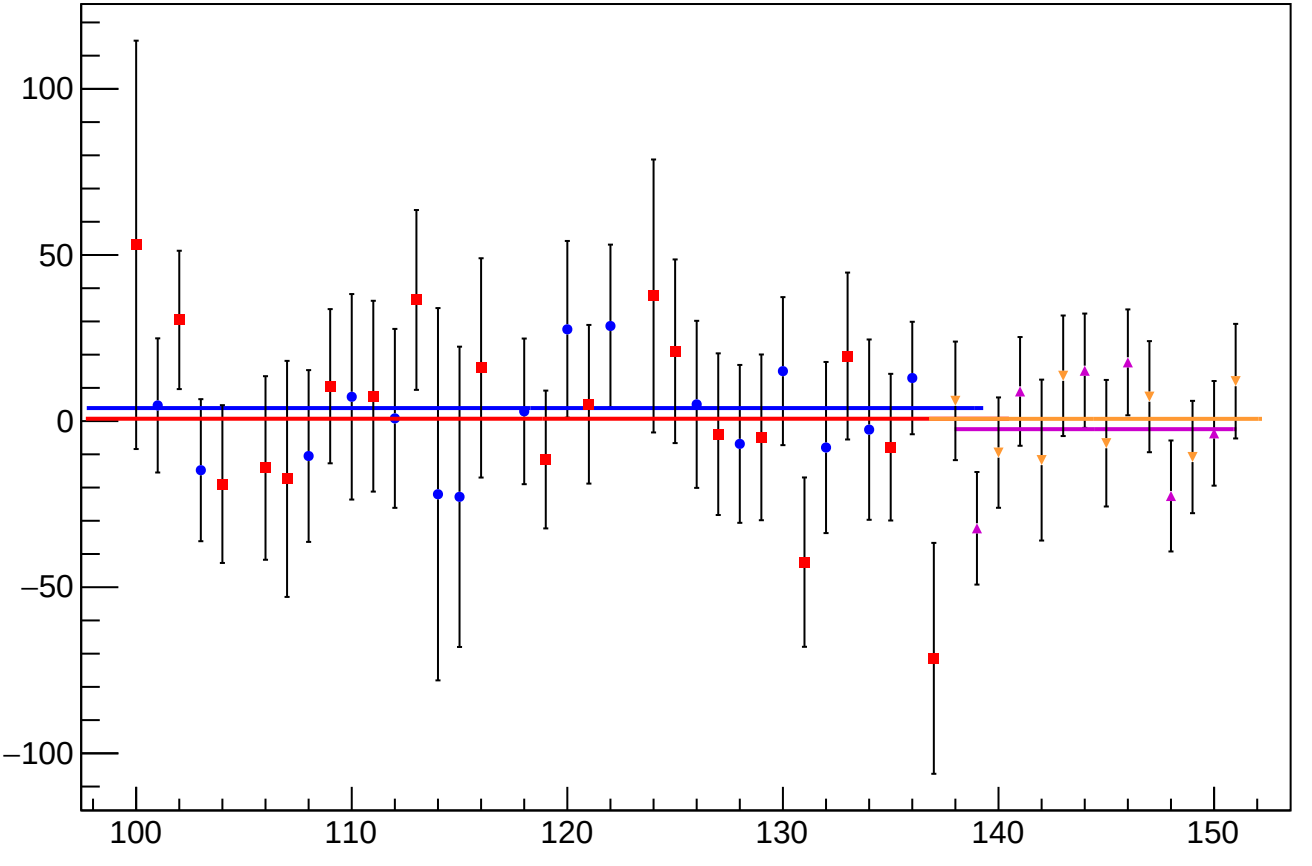
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 208.473+/-0.044 χ^2/NDF:1436238.4/21

Out: 194.877+/-0.040 χ^2/NDF:3028260.3/26

All: 201.133+/-0.030 χ^2/NDF: 4517013.0/48

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: 0.680+/-6.362 χ^2/NDF:2.4/7

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -2.425+/-6.719 χ^2/NDF:7.7/5

Left: -0.788+/-4.620 χ^2/NDF: 10.2/13

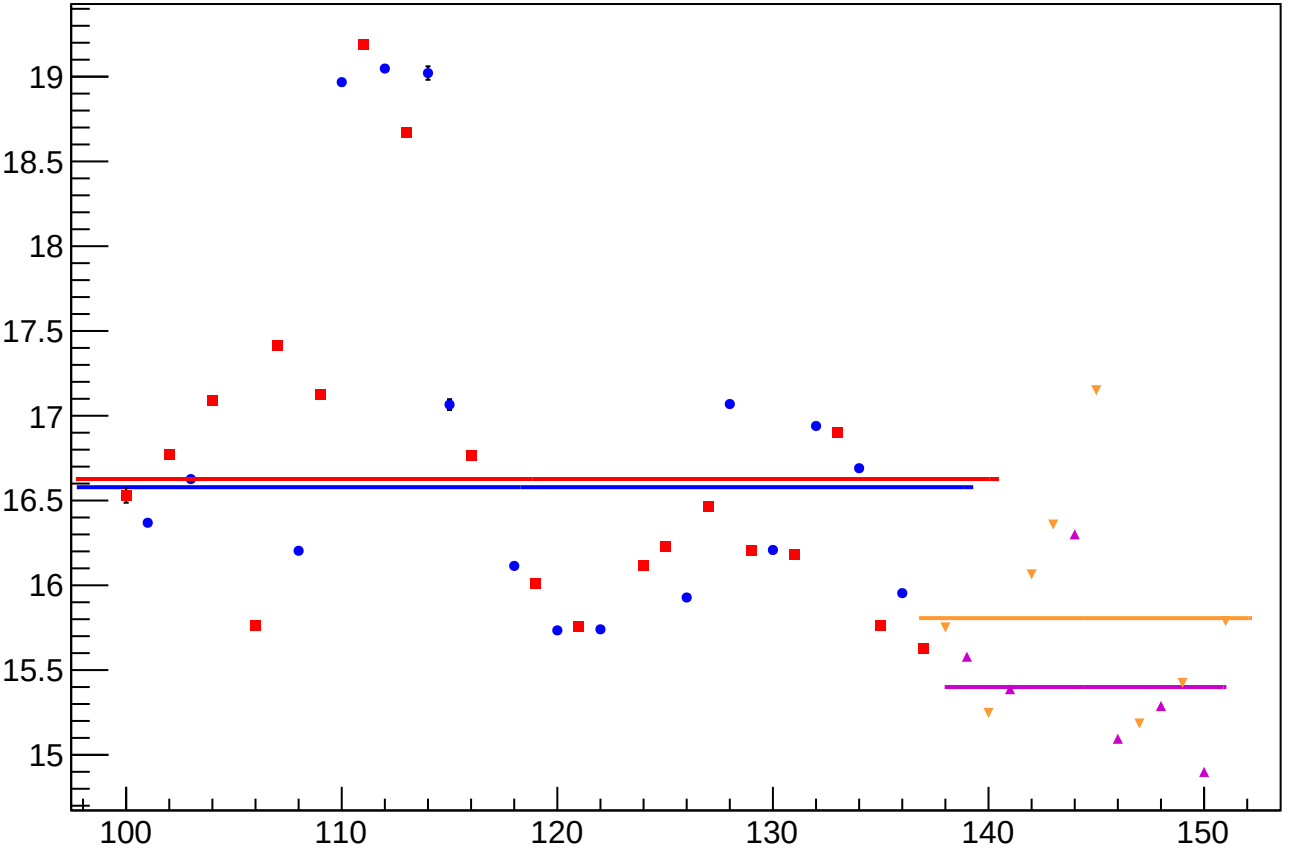
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 1.018+/-4.545 χ^2/NDF:12.7/21

Out: 0.698+/-4.394 χ^2/NDF:18.3/26

All: 0.853+/-3.159 χ^2/NDF: 31.0/48

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: 15.806+/-0.004 χ^2/NDF:18105.0/7

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.400+/-0.005 χ^2/NDF:8548.4/5

Left: 15.614+/-0.003 χ^2/NDF: 30511.3/13

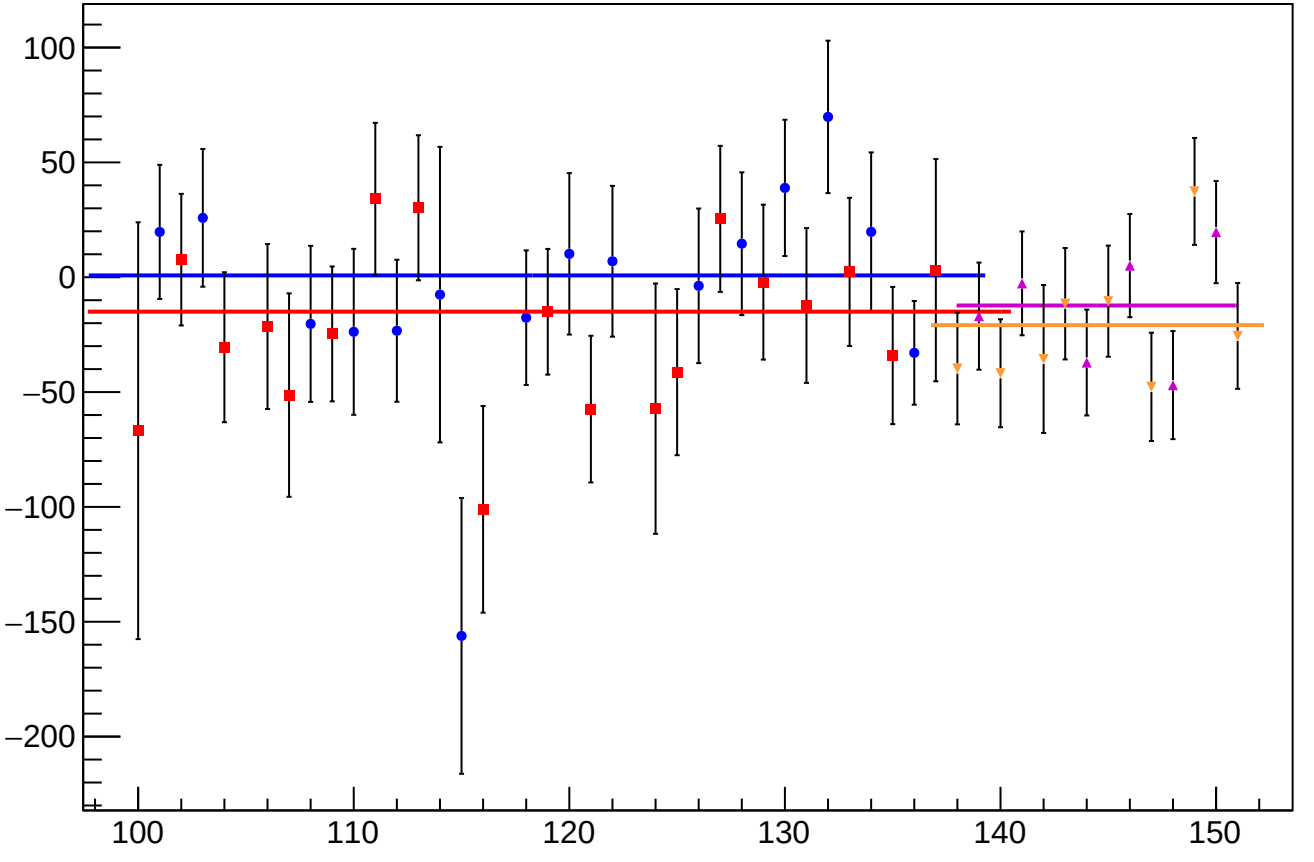
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.039+/-0.003 χ^2/NDF:86499.9/21

Out: 16.235+/-0.003 χ^2/NDF:78960.0/26

All: 16.141+/-0.002 χ^2/NDF: 167385.9/48

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -20.856+/-8.636 χ^2/NDF:9.5/7

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -12.311+/-9.329 χ^2/NDF:6.2/5

Left: -16.913+/-6.338 χ^2/NDF: 16.2/13

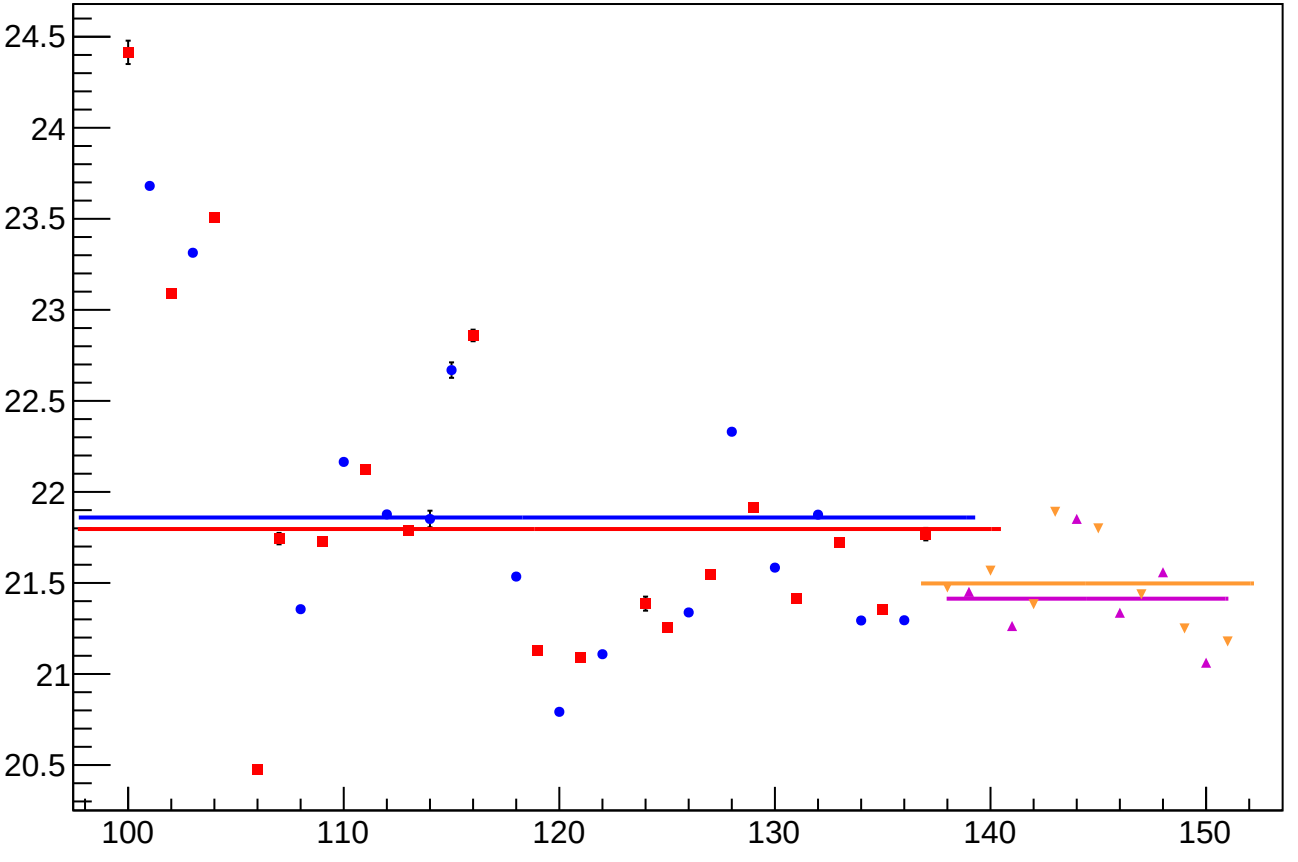
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -4.861+/-6.127 χ^2/NDF:26.0/21

Out: -17.677+/-5.850 χ^2/NDF:25.2/26

All: -11.565+/-4.231 χ^2/NDF: 53.5/48

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: 21.497+/-0.006 χ^2/NDF:1504.9/7

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.414+/-0.007 χ^2/NDF:1417.2/5

Left: 21.459+/-0.004 χ^2/NDF: 3008.8/13

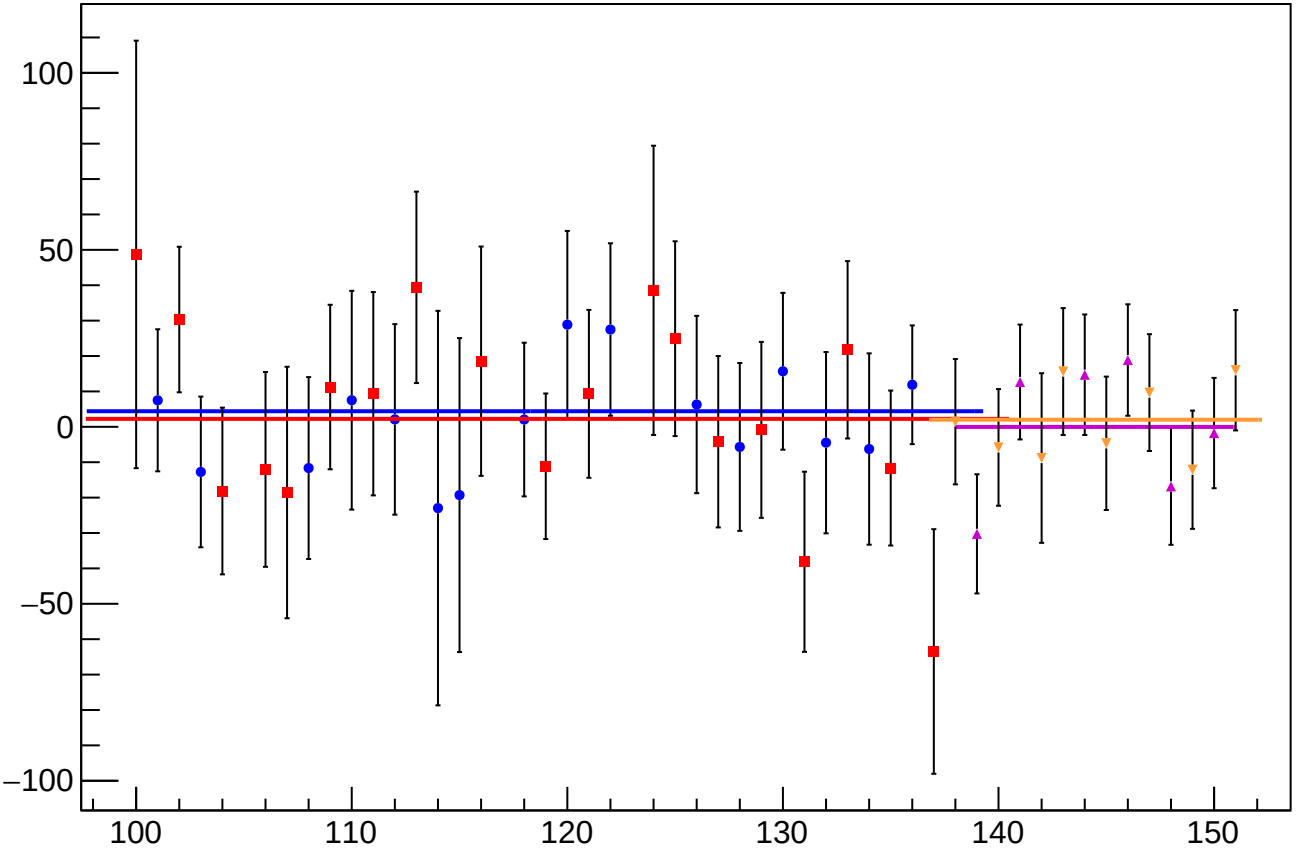
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.667+/-0.004 χ^2/NDF:23483.7/21

Out: 21.659+/-0.004 χ^2/NDF:21662.3/26

All: 21.663+/-0.003 χ^2/NDF: 45147.8/48

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: 2.007+/-6.292 χ^2/NDF:2.7/7

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.032+/-6.652 χ^2/NDF:7.1/5

Left: 1.044+/-4.571 χ^2/NDF: 9.9/13

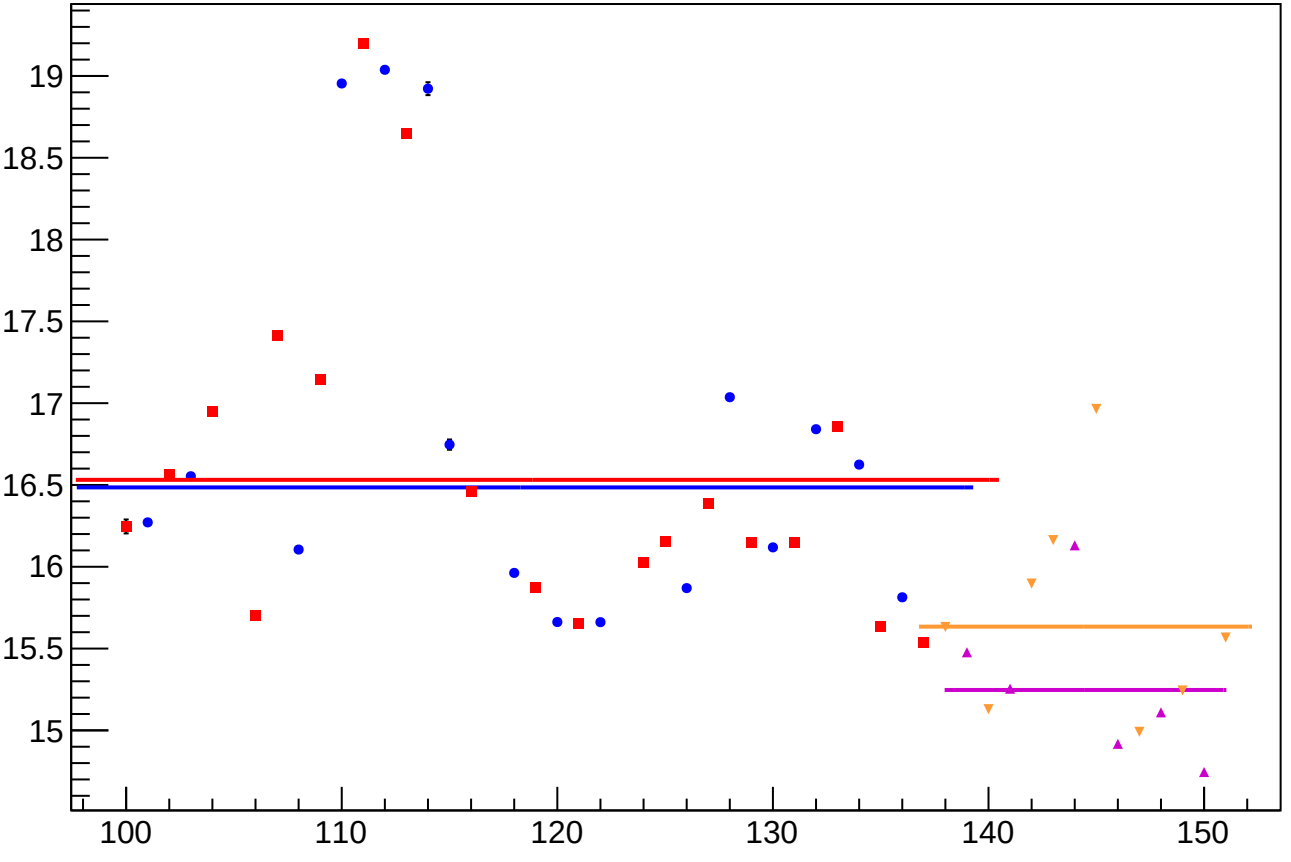
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 2.364+/-4.511 χ^2/NDF:11.6/21

Out: 2.130+/-4.358 χ^2/NDF:18.1/26

All: 2.243+/-3.134 χ^2/NDF: 29.7/48

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: 15.634+/-0.004 χ^2/NDF:17993.1/7

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.247+/-0.005 χ^2/NDF:8849.6/5

Left: 15.451+/-0.003 χ^2/NDF: 30417.6/13

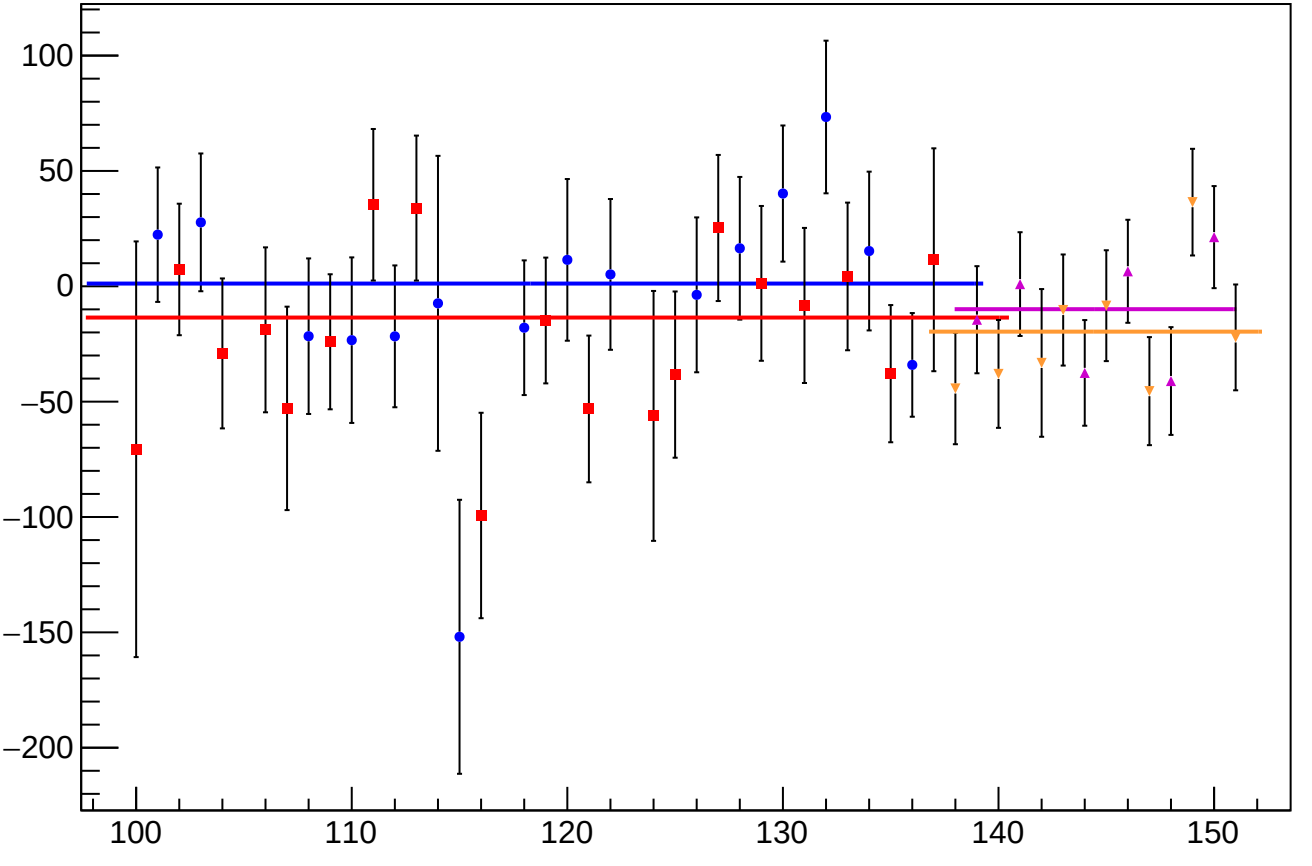
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.916+/-0.003 χ^2/NDF:93464.1/21

Out: 16.101+/-0.003 χ^2/NDF:85622.3/26

All: 16.012+/-0.002 χ^2/NDF: 180827.0/48

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: -19.653+/-8.584 χ^2/NDF:9.3/7

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -9.918+/-9.275 χ^2/NDF:6.0/5

Left: -15.162+/-6.300 χ^2/NDF: 16.0/13

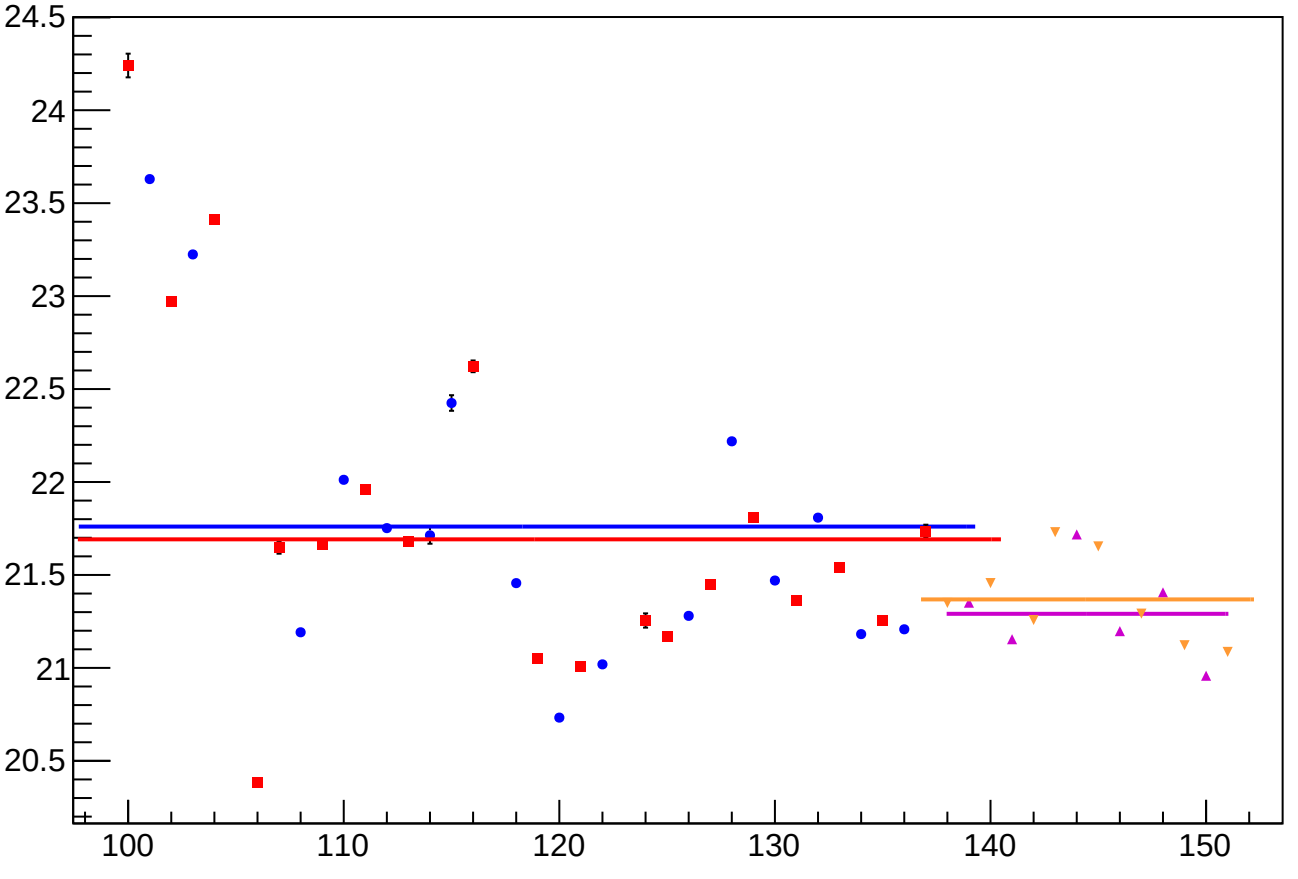
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -3.611+/-6.096 χ^2/NDF:26.3/21

Out: -16.354+/-5.819 χ^2/NDF:25.5/26

All: -10.278+/-4.209 χ^2/NDF: 54.1/48

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: 21.368+/-0.006 χ^2/NDF:1338.3/7

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.291+/-0.007 χ^2/NDF:1319.7/5

Left: 21.333+/-0.004 χ^2/NDF: 2733.2/13

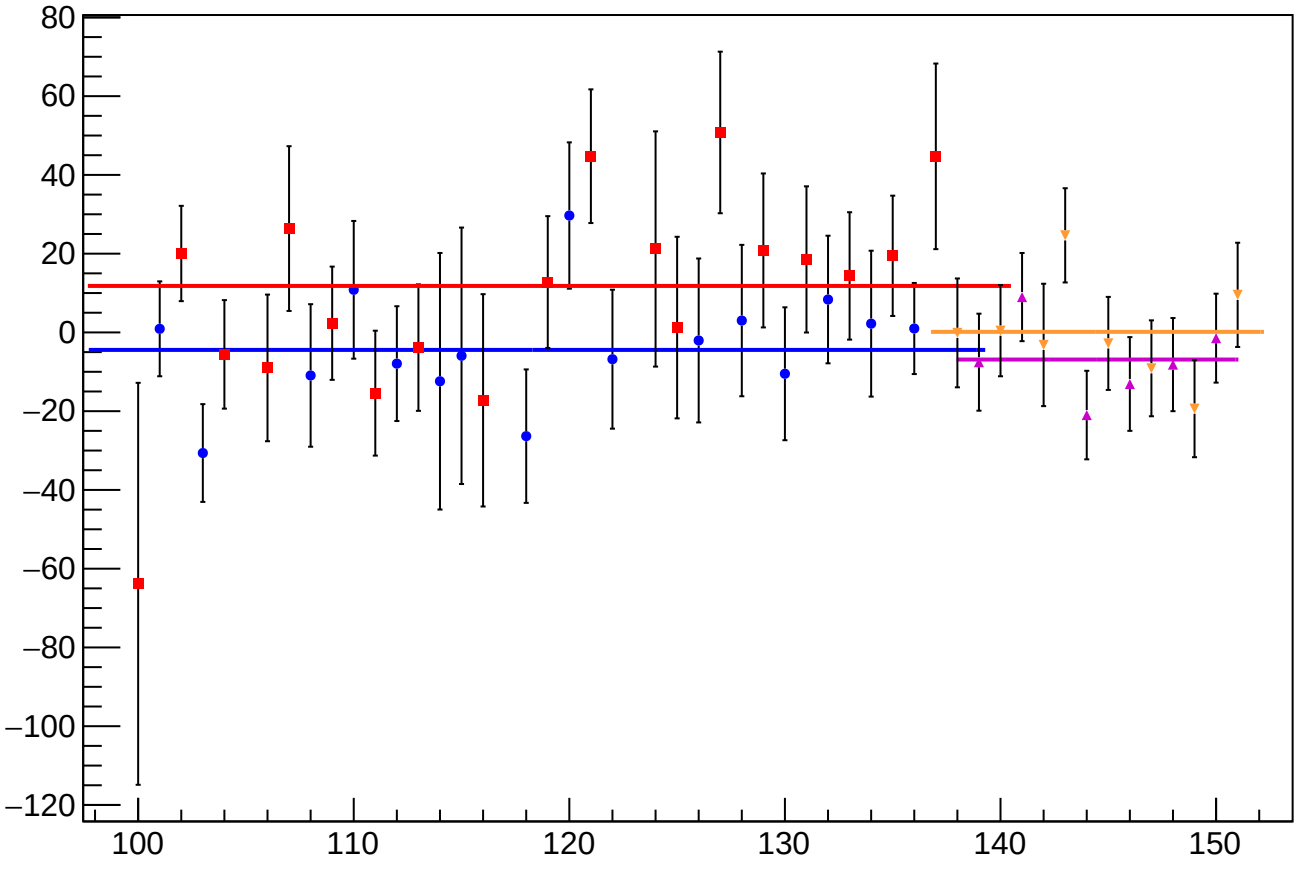
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.558+/-0.004 χ^2/NDF:23974.2/21

Out: 21.543+/-0.004 χ^2/NDF:21200.9/26

All: 21.550+/-0.003 χ^2/NDF: 45180.9/48

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.147+/-4.471 χ^2/NDF:7.9/7

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -6.885+/-4.739 χ^2/NDF:4.1/5

Left: -3.165+/-3.252 χ^2/NDF: 13.2/13

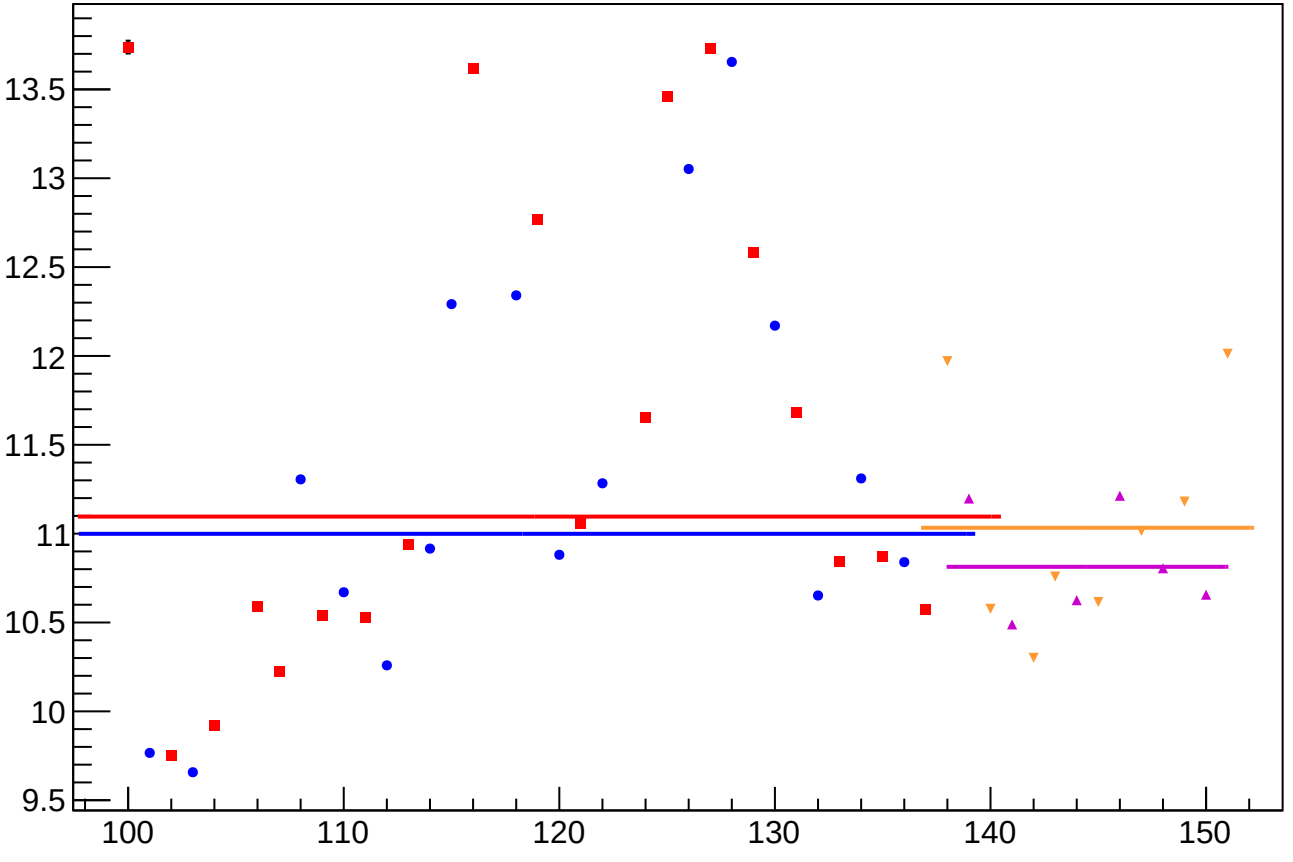
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -5.496+/-3.114 χ^2/NDF:16.2/21

Out: 6.485+/-3.021 χ^2/NDF:33.3/26

All: 0.676+/-2.168 χ^2/NDF: 57.2/48

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.033+/-0.003 χ^2/NDF:31534.5/7

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 10.813+/-0.003 χ^2/NDF:6825.3/5

Left: 10.930+/-0.002 χ^2/NDF: 40633.6/13

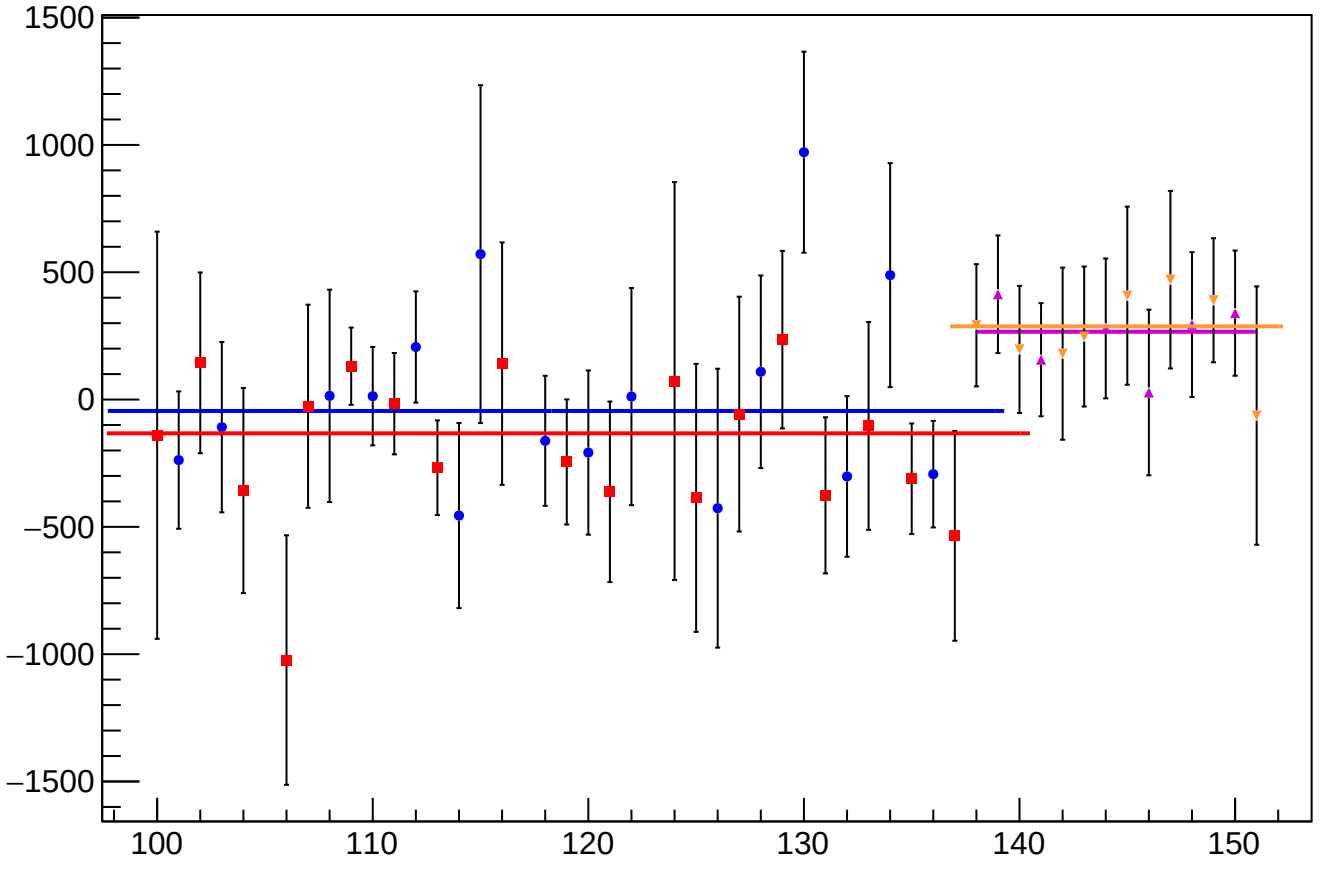
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 10.919+/-0.002 χ^2/NDF:144728.8/21

Out: 11.067+/-0.002 χ^2/NDF:194658.2/26

All: 10.995+/-0.002 χ^2/NDF: 341726.1/48

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: 287.573+/-103.971 χ^2/NDF:1.3/7

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 266.343+/-105.062 χ^2/NDF:1.3/5

Left: 277.069+/-73.901 χ^2/NDF: 2.6/13

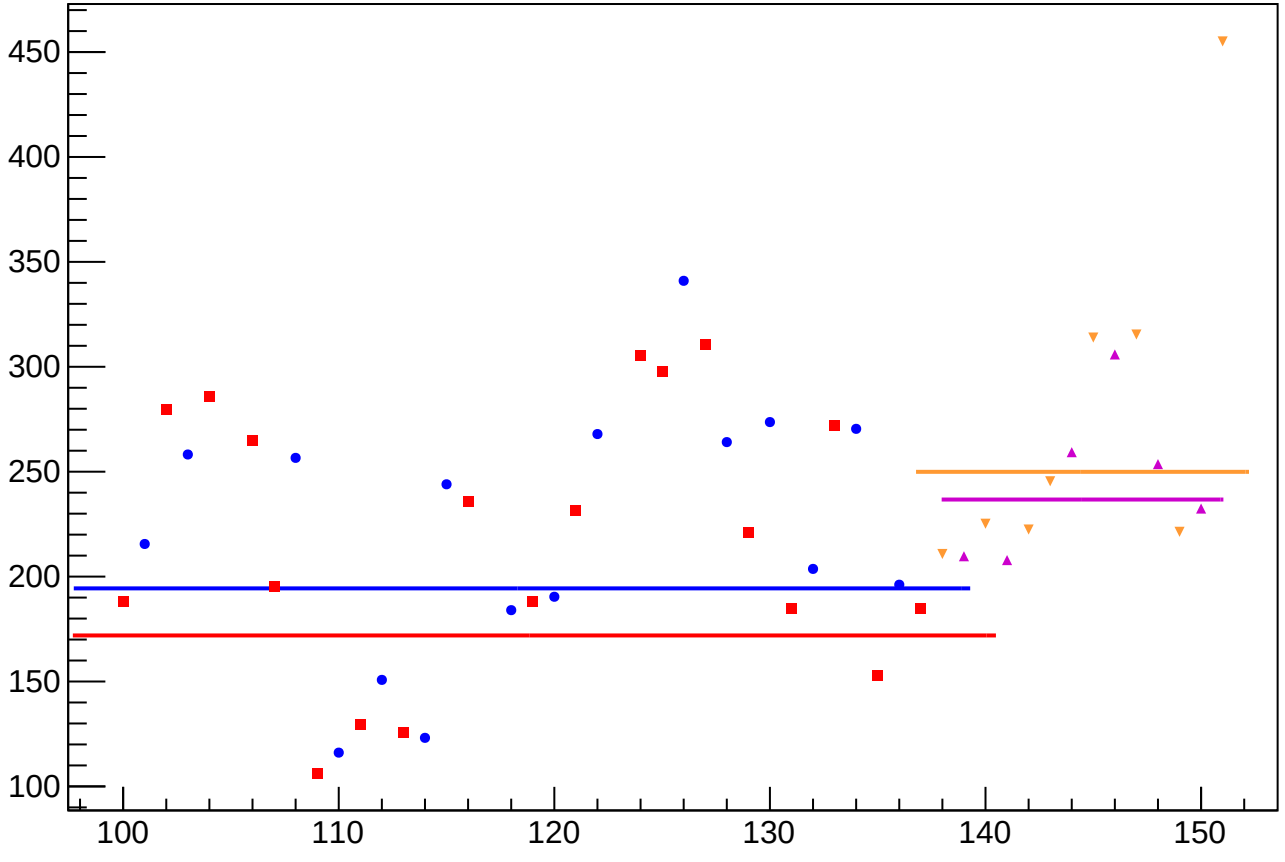
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 62.868+/-61.802 χ^2/NDF:22.4/21

Out: -6.109+/-57.067 χ^2/NDF:25.6/26

All: 25.636+/-41.927 χ^2/NDF: 48.7/48

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: 249.937+/-0.074 χ^2/NDF:578479.8/7

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 236.730+/-0.074 χ^2/NDF:172729.7/5

Left: 243.403+/-0.052 χ^2/NDF: 767177.5/13

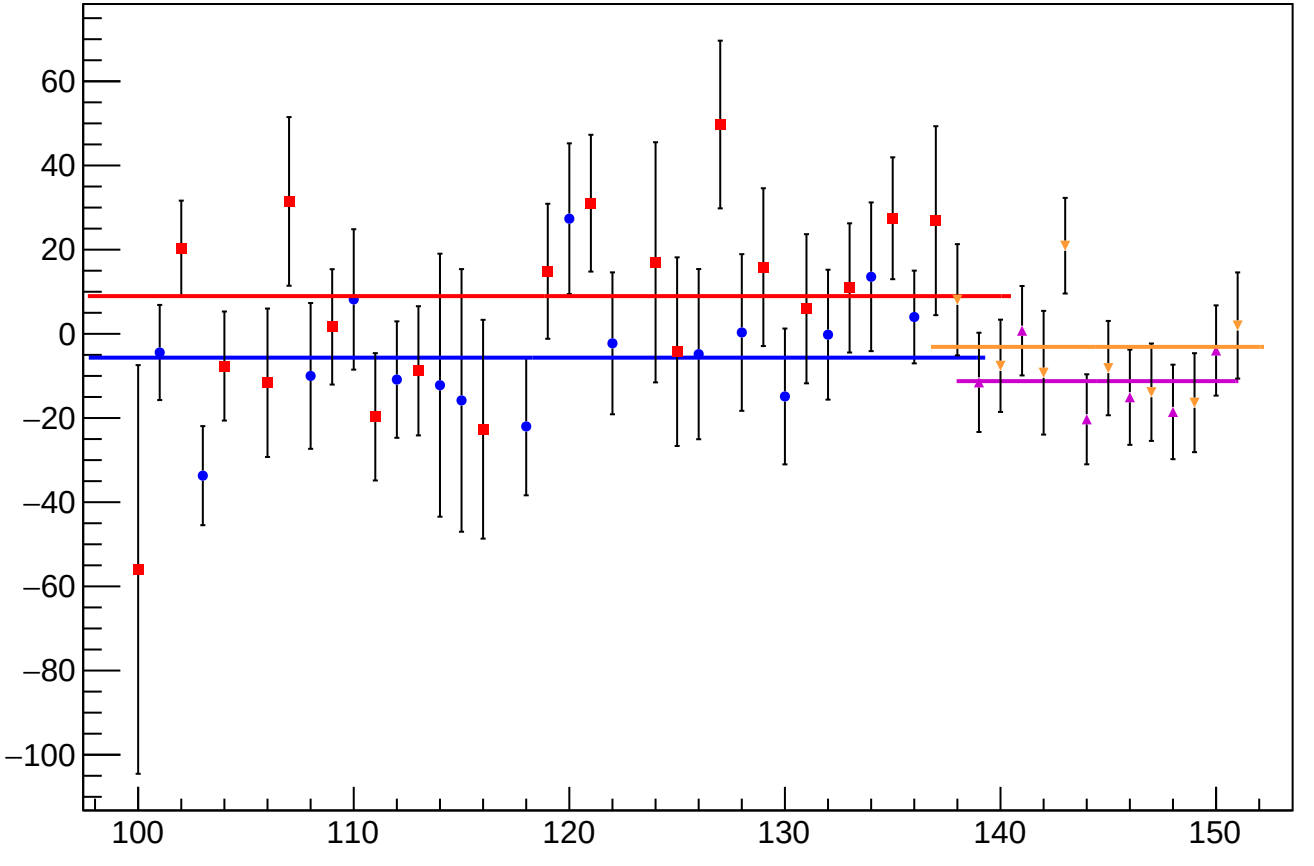
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 209.038+/-0.044 χ^2/NDF:1427223.5/21

Out: 195.444+/-0.040 χ^2/NDF:3016104.3/26

All: 201.700+/-0.030 χ^2/NDF: 4495560.7/48

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.100+/-4.250 χ^2/NDF:8.0/7

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -11.236+/-4.506 χ^2/NDF:3.0/5

Left: -6.930+/-3.092 χ^2/NDF: 12.8/13

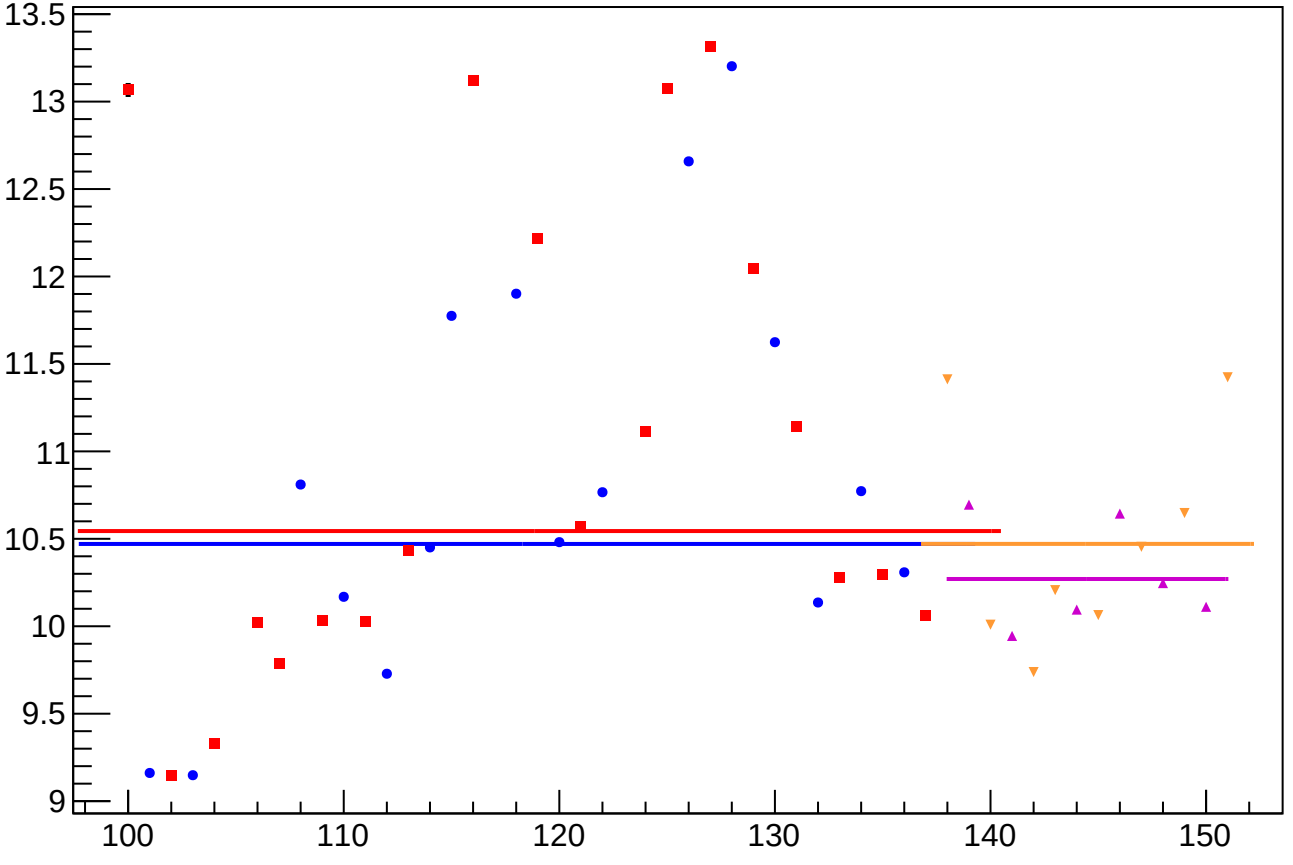
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -8.074+/-2.966 χ^2/NDF:17.5/21

Out: 3.445+/-2.874 χ^2/NDF:35.2/26

All: -2.133+/-2.064 χ^2/NDF: 60.5/48

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: 10.471+/-0.003 χ^2/NDF:34245.4/7

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.270+/-0.003 χ^2/NDF:7646.6/5

Left: 10.376+/-0.002 χ^2/NDF: 43992.1/13

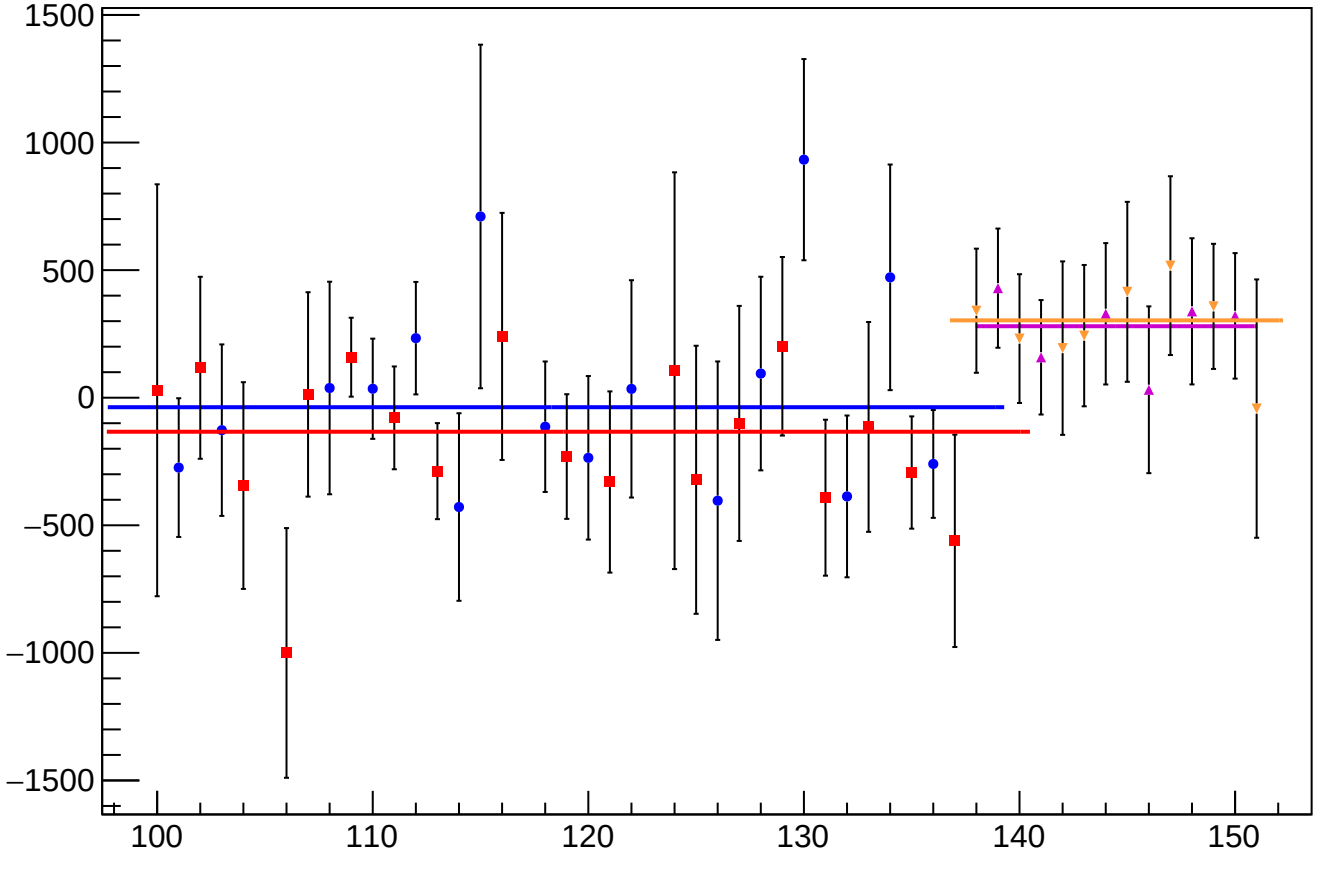
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.384+/-0.002 χ^2/NDF:167253.5/21

Out: 10.511+/-0.002 χ^2/NDF:221349.5/26

All: 10.449+/-0.001 χ^2/NDF: 390494.1/48

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: 303.157+/-104.809 χ^2/NDF:1.2/7

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 280.140+/-105.809 χ^2/NDF:1.4/5

Left: 291.758+/-74.462 χ^2/NDF: 2.7/13

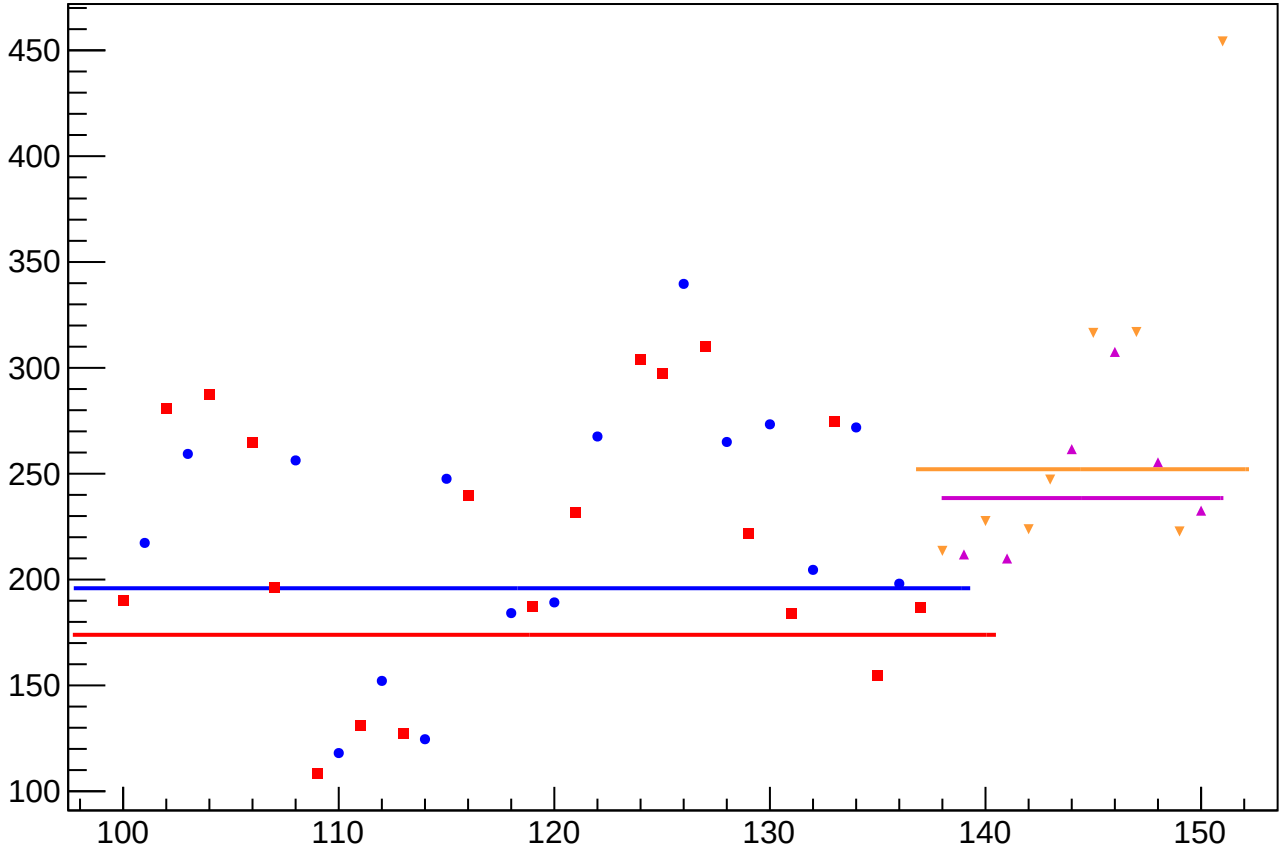
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 72.486+/-62.214 χ^2/NDF:22.9/21

Out: -1.696+/-57.565 χ^2/NDF:26.3/26

All: 32.520+/-42.253 χ^2/NDF: 49.9/48

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: 252.115+/-0.074 χ^2/NDF:566204.4/7

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 238.492+/-0.075 χ^2/NDF:169648.3/5

Left: 245.368+/-0.053 χ^2/NDF: 752586.9/13

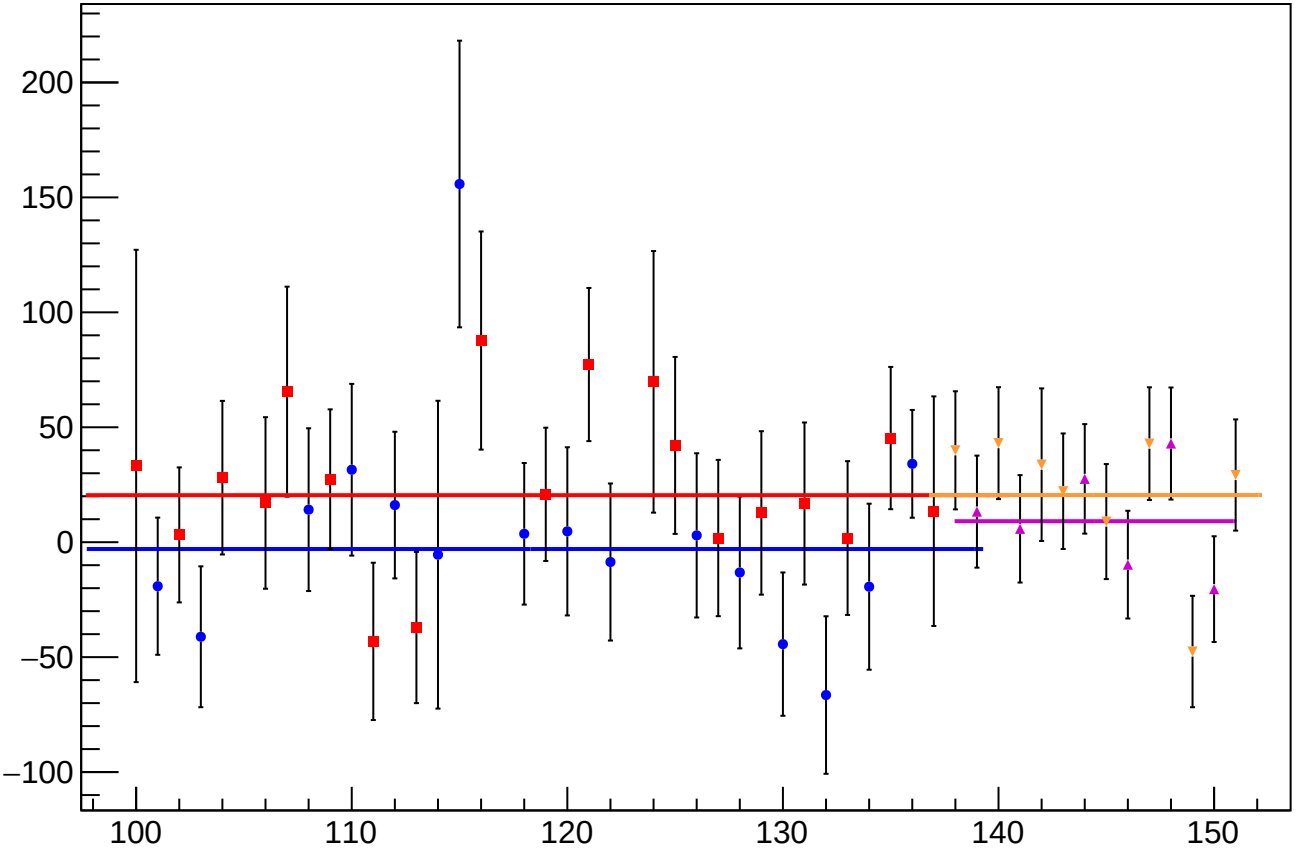
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 210.625+/-0.044 χ^2/NDF:1392694.9/21

Out: 197.496+/-0.041 χ^2/NDF:2943607.1/26

All: 203.552+/-0.030 χ^2/NDF: 4384289.0/48

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 20.516+/-8.992 χ^2/NDF:10.7/7

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 9.139+/-9.680 χ^2/NDF:4.9/5

Left: 15.246+/-6.588 χ^2/NDF: 16.3/13

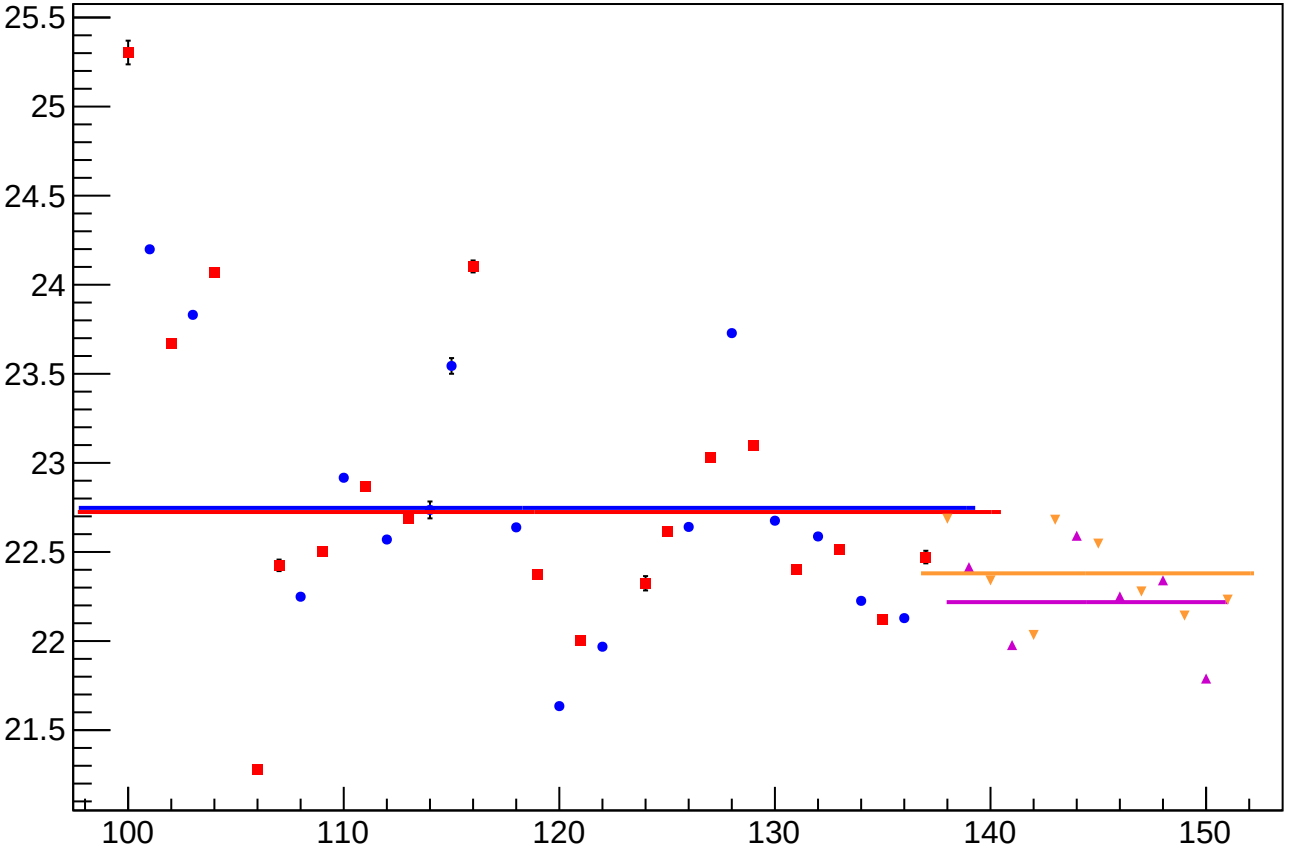
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 2.271+/-6.368 χ^2/NDF:23.7/21

Out: 20.484+/-6.096 χ^2/NDF:25.9/26

All: 11.775+/-4.403 χ^2/NDF: 53.9/48

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: 22.380+/-0.006 χ^2/NDF:1183.1/7

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.219+/-0.007 χ^2/NDF:1581.3/5

Left: 22.305+/-0.005 χ^2/NDF: 3063.2/13

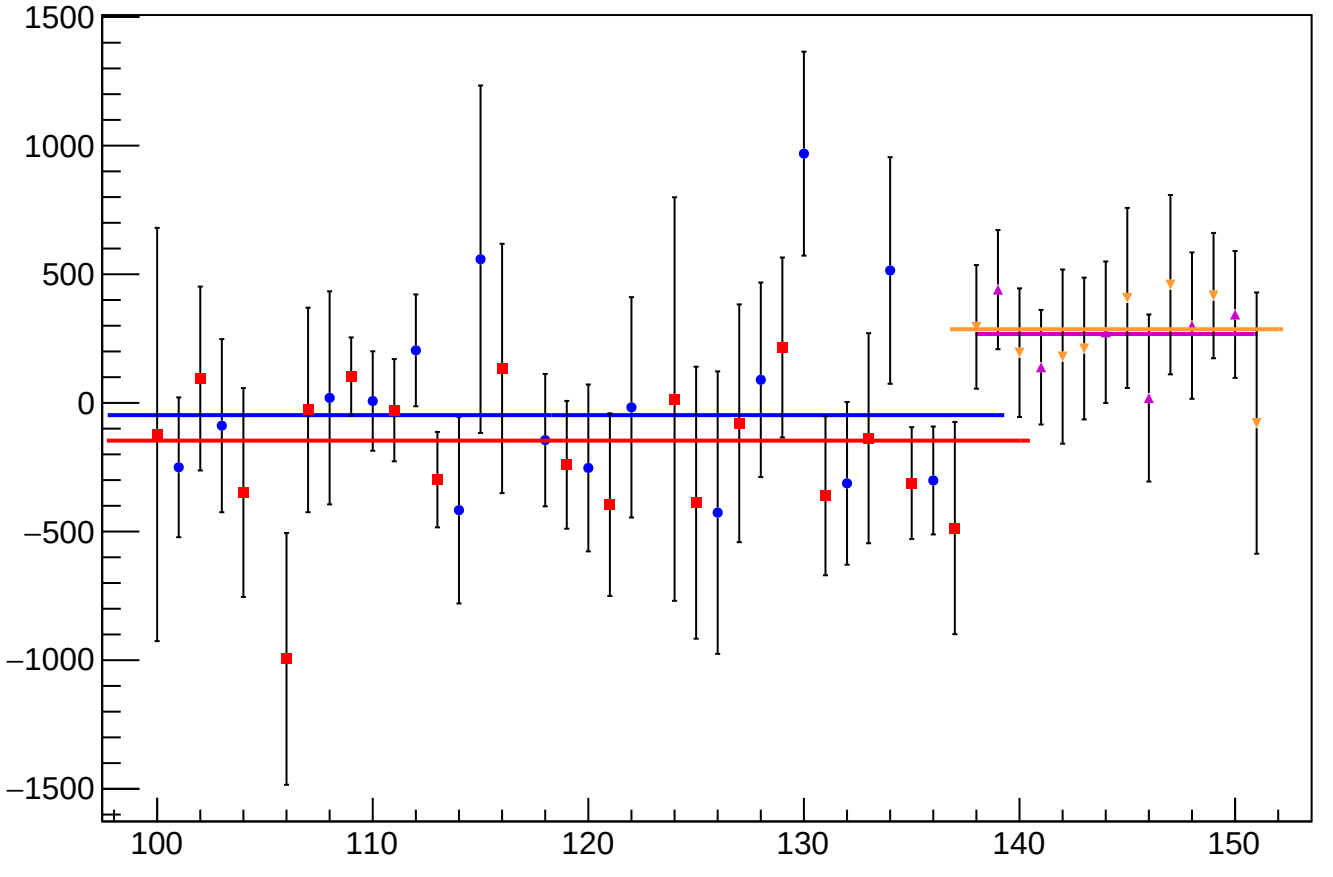
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.519+/-0.005 χ^2/NDF:19592.1/21

Out: 22.566+/-0.004 χ^2/NDF:17257.7/26

All: 22.543+/-0.003 χ^2/NDF: 36907.7/48

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: 286.278+/-104.055 χ^2/NDF:1.5/7

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 267.781+/-105.220 χ^2/NDF:1.6/5

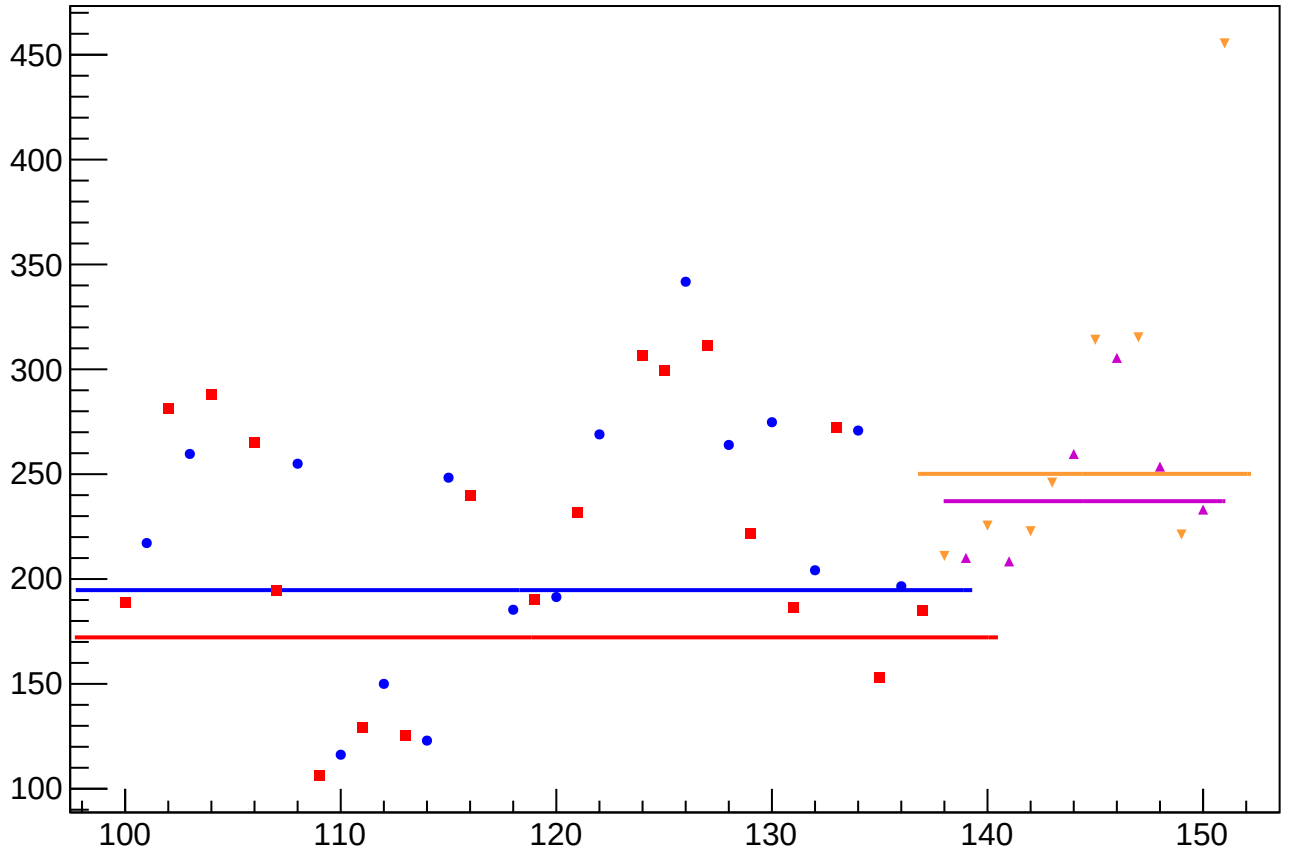
Left: 277.132+/-73.986 χ^2/NDF: 3.1/13

Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 61.644+/-61.912 χ^2/NDF:22.9/21

Out: -15.977+/-57.156 χ^2/NDF:25.1/26

All: 19.738+/-41.996 χ^2/NDF: 48.8/48



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 250.153+/-0.074 χ^2/NDF:577620.0/7

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 237.131+/-0.074 χ^2/NDF:169740.2/5

Left: 243.714+/-0.052 χ^2/NDF: 762846.3/13

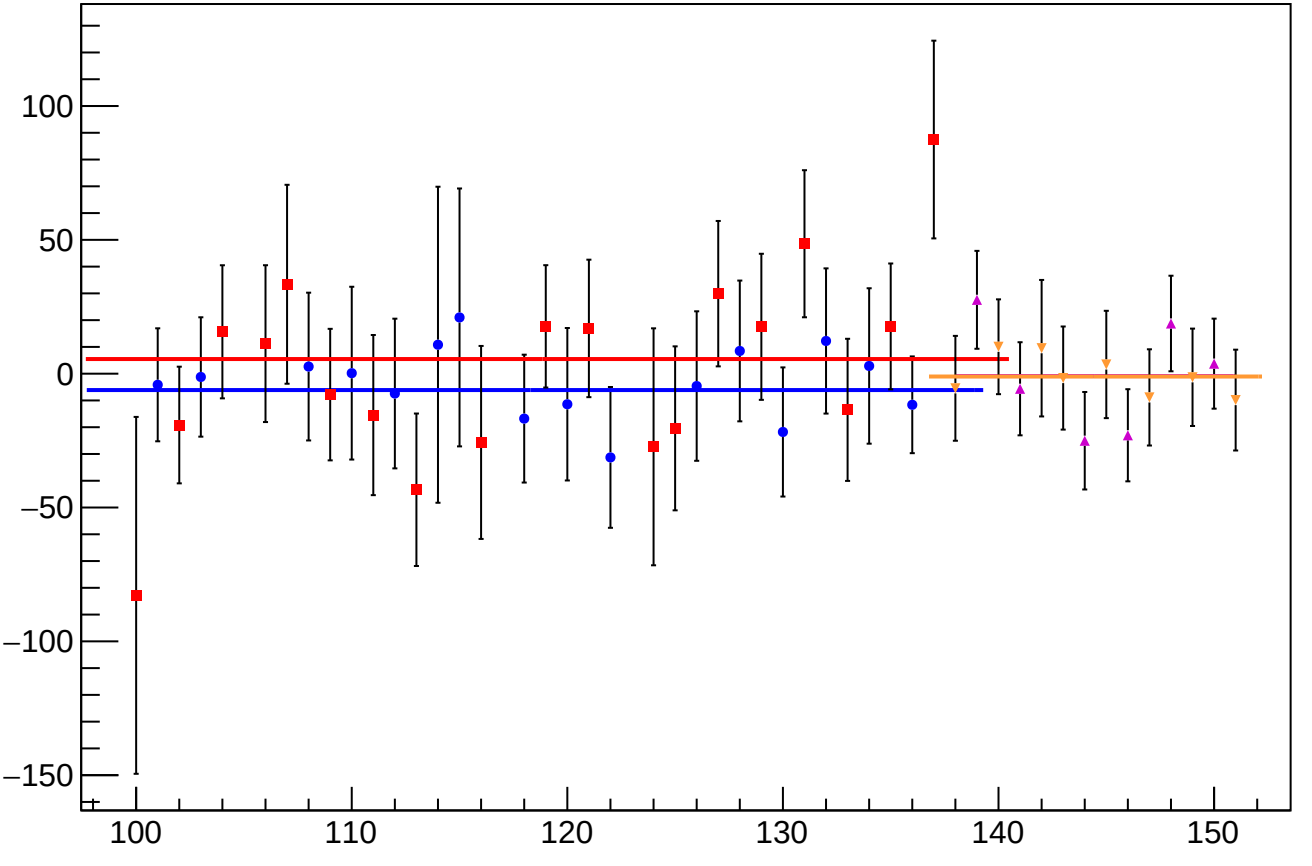
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 209.396+/-0.044 χ^2/NDF:1434581.7/21

Out: 195.709+/-0.040 χ^2/NDF:3032753.9/26

All: 202.007+/-0.030 χ^2/NDF: 4520102.7/48

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -1.058+/-6.828 χ^2/NDF:1.1/7

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -0.892+/-7.187 χ^2/NDF:7.2/5

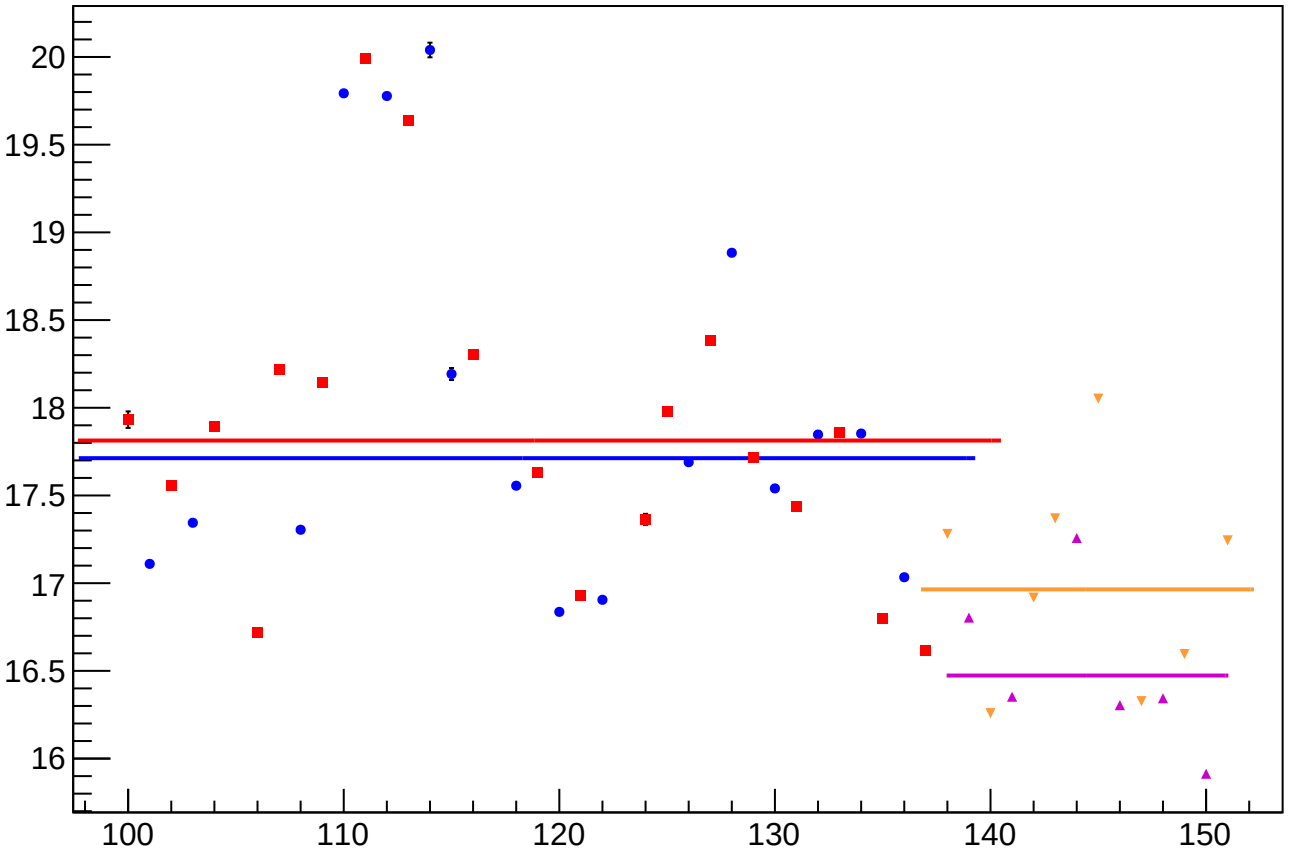
Left: -0.979+/-4.950 χ^2/NDF: 8.3/13

Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -3.731+/-4.858 χ^2/NDF:10.6/21

Out: 2.362+/-4.711 χ^2/NDF:20.7/26

All: -0.591+/-3.382 χ^2/NDF: 32.2/48



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.965+/-0.005 χ^2/NDF:14250.1/7

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.473+/-0.005 χ^2/NDF:6971.4/5

Left: 16.732+/-0.004 χ^2/NDF: 26133.5/13

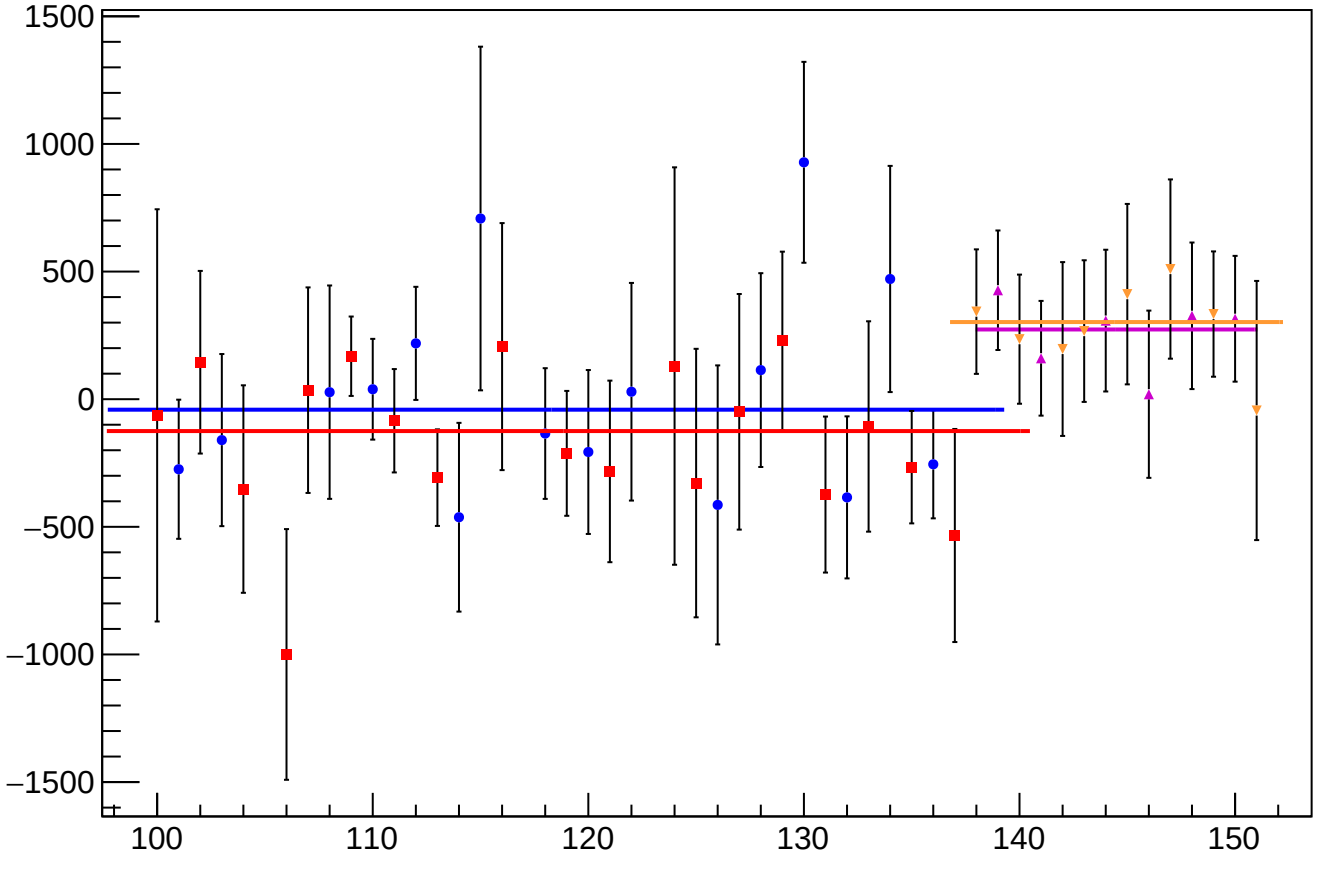
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.146+/-0.003 χ^2/NDF:75250.7/21

Out: 17.409+/-0.003 χ^2/NDF:63150.6/26

All: 17.282+/-0.002 χ^2/NDF: 141418.4/48

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 302.234+/-105.034 χ^2/NDF:1.1/7

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 273.121+/-106.034 χ^2/NDF:1.4/5

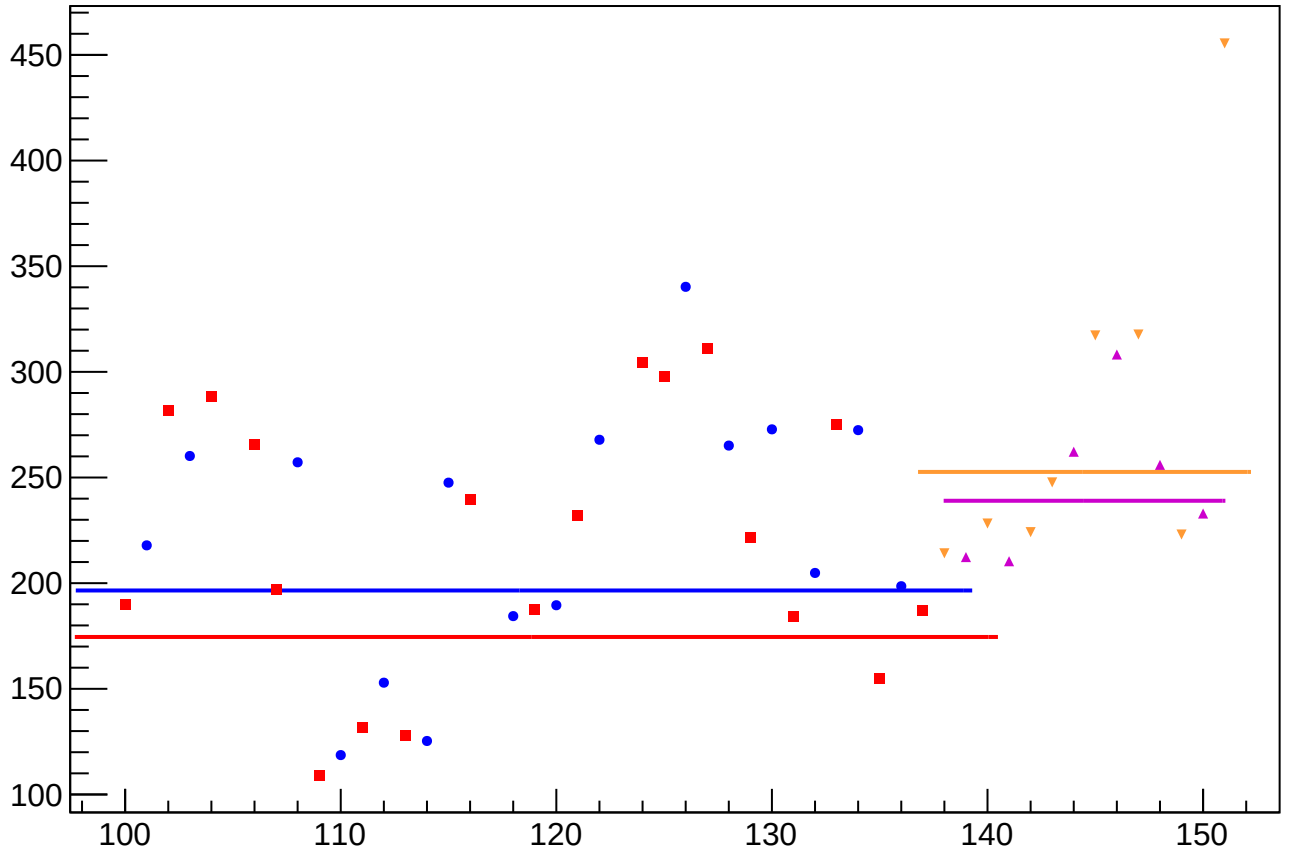
Left: 287.815+/-74.621 χ^2/NDF: 2.5/13

Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 67.637+/-62.379 χ^2/NDF:22.7/21

Out: 4.166+/-57.733 χ^2/NDF:25.6/26

All: 33.450+/-42.371 χ^2/NDF: 48.8/48



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 252.651+/-0.074 χ^2/NDF:566855.4/7

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 238.999+/-0.075 χ^2/NDF:169817.1/5

Left: 245.889+/-0.053 χ^2/NDF: 753406.1/13

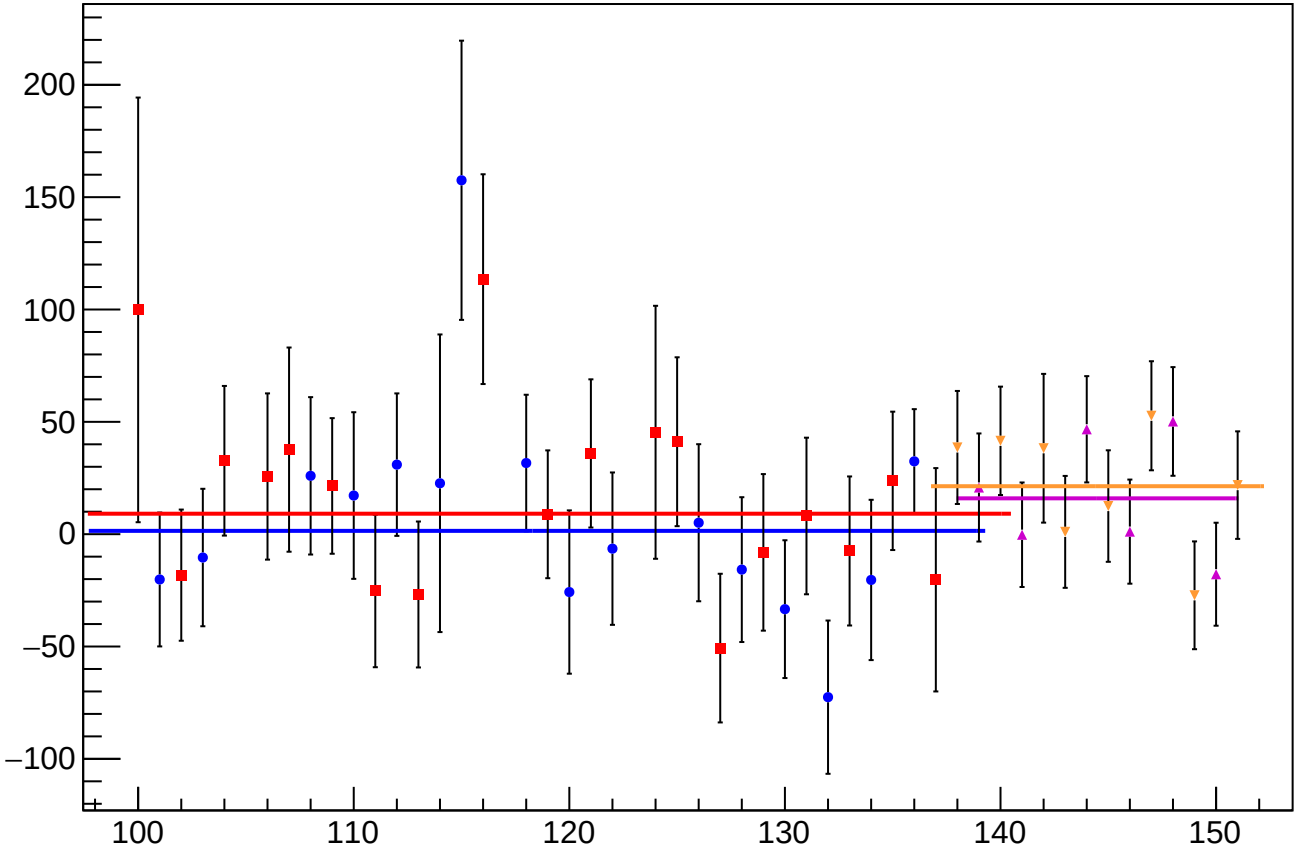
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 211.236+/-0.044 χ^2/NDF:1380263.2/21

Out: 198.139+/-0.041 χ^2/NDF:2927495.5/26

All: 204.181+/-0.030 χ^2/NDF: 4355244.9/48

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 21.350+/-8.899 χ^2/NDF:8.0/7

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 15.950+/-9.604 χ^2/NDF:6.8/5

Left: 18.855+/-6.528 χ^2/NDF: 15.0/13

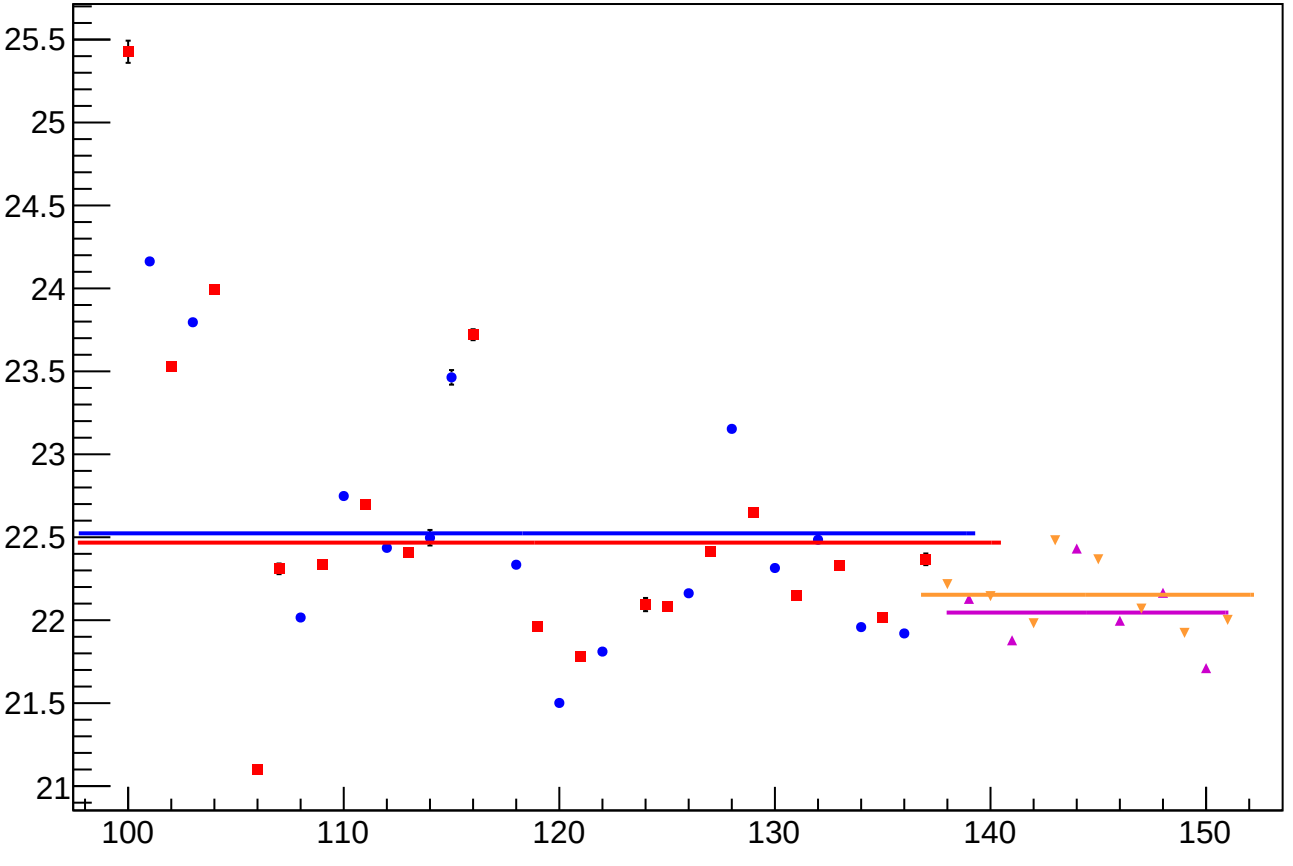
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 7.724+/-6.310 χ^2/NDF:26.8/21

Out: 14.730+/-6.029 χ^2/NDF:25.5/26

All: 11.386+/-4.359 χ^2/NDF: 52.9/48

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: 22.153+/-0.006 χ^2/NDF:850.5/7

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.046+/-0.007 χ^2/NDF:1144.1/5

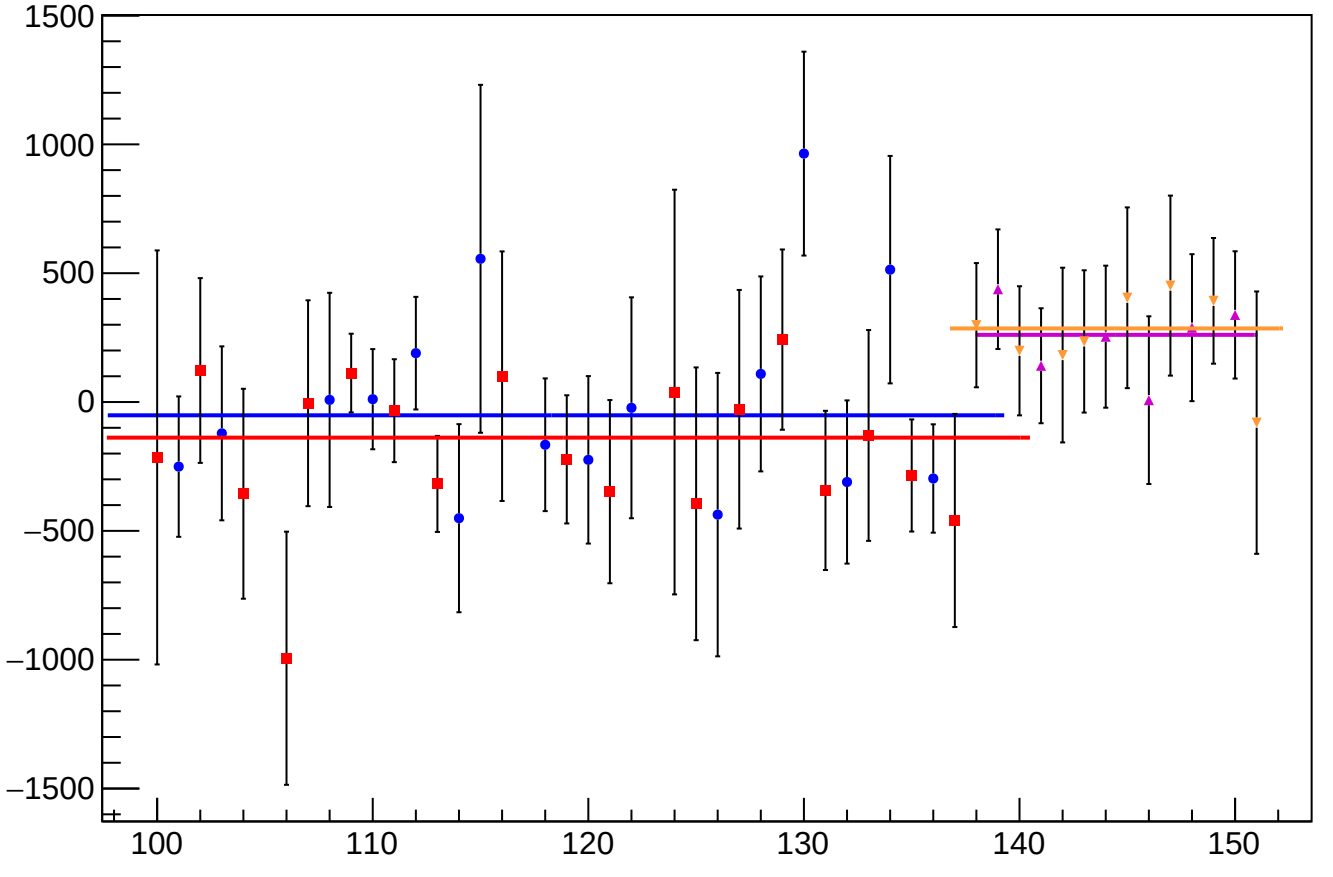
Left: 22.104+/-0.005 χ^2/NDF: 2129.2/13

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.317+/-0.004 χ^2/NDF:19903.3/21

Out: 22.323+/-0.004 χ^2/NDF:17826.0/26

All: 22.320+/-0.003 χ^2/NDF: 37730.2/48



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 285.556+/-104.281 χ^2/NDF:1.3/7

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 260.731+/-105.446 χ^2/NDF:1.6/5

Left: 273.281+/-74.146 χ^2/NDF: 2.9/13

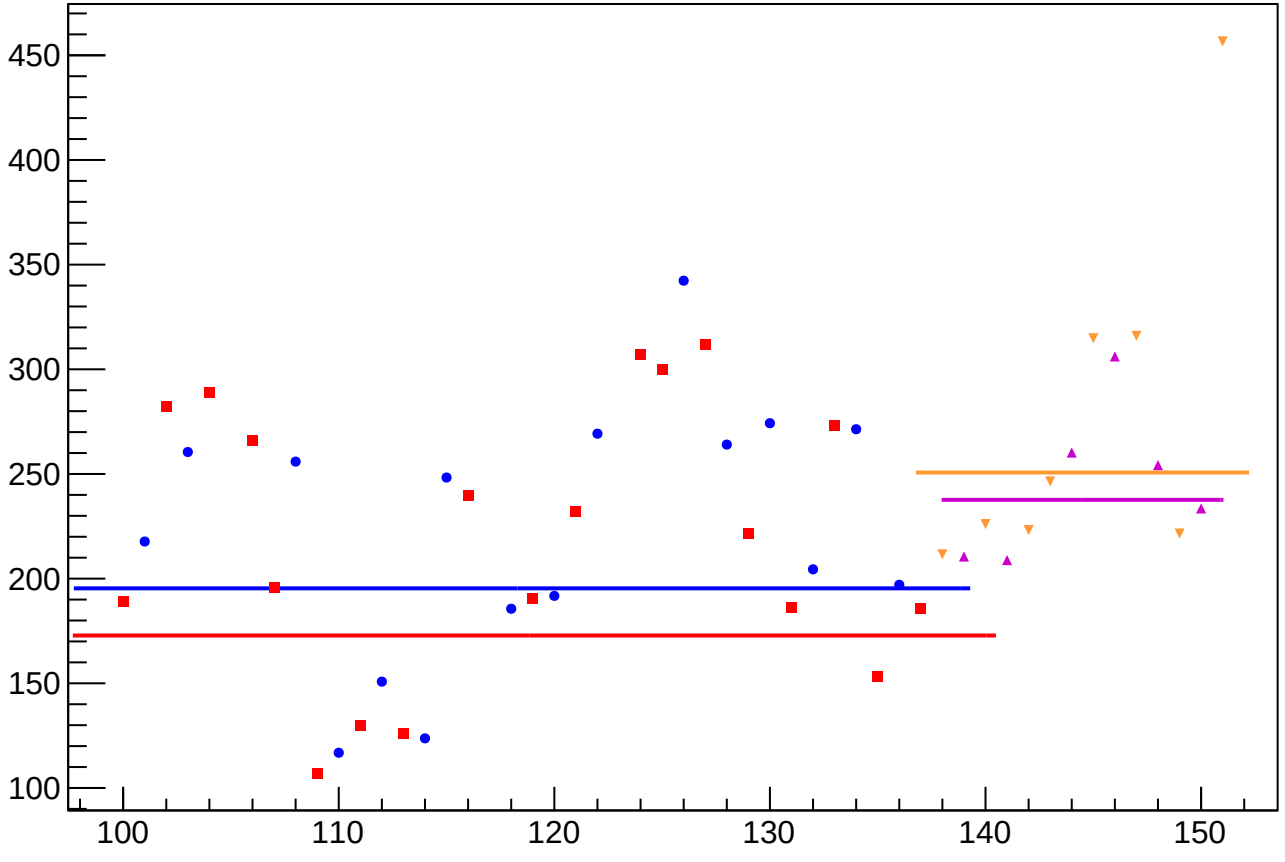
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 56.723+/-62.078 χ^2/NDF:22.7/21

Out: -10.133+/-57.325 χ^2/NDF:24.4/26

All: 20.638+/-42.115 χ^2/NDF: 47.7/48

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 250.689+/-0.074 χ^2/NDF:578215.8/7

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 237.641+/-0.075 χ^2/NDF:169884.4/5

Left: 244.237+/-0.052 χ^2/NDF: 763583.7/13

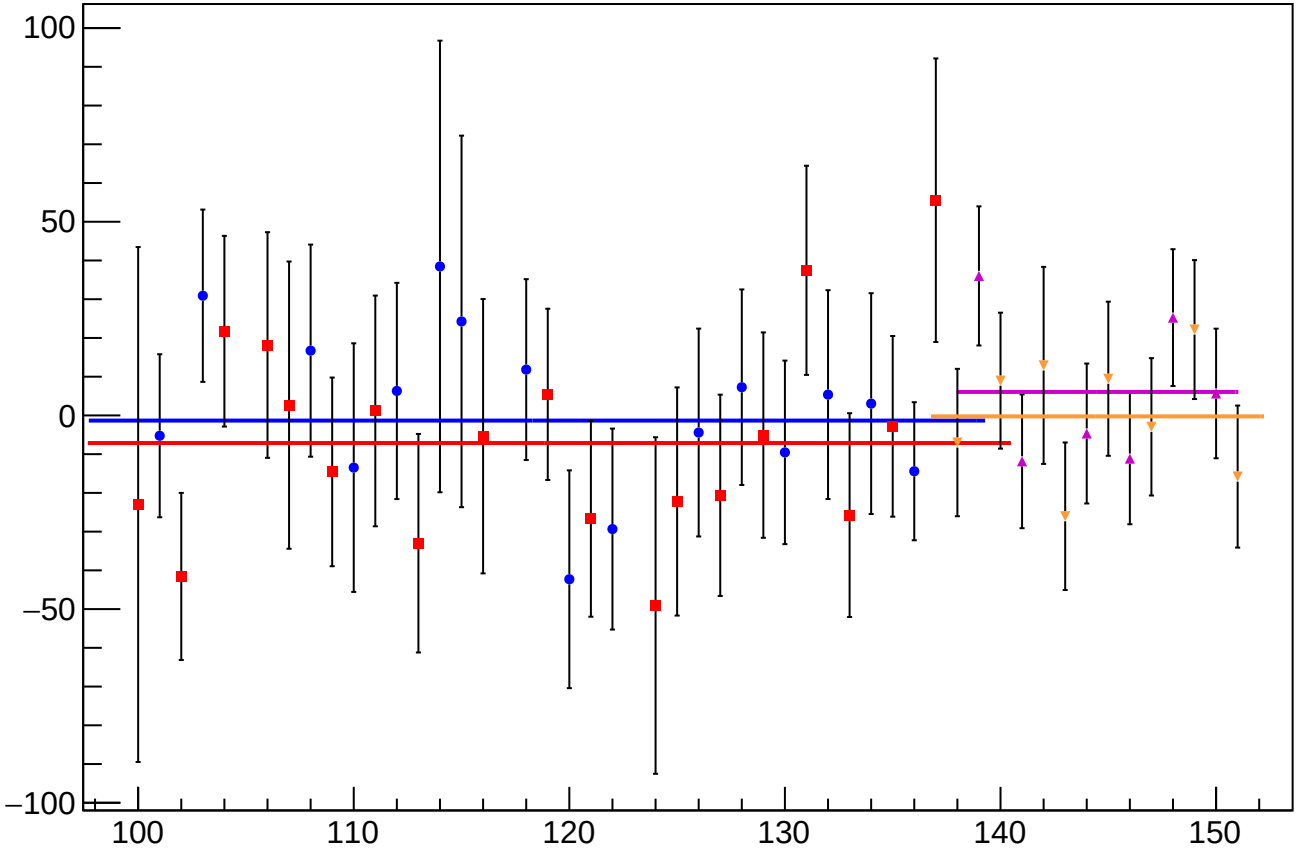
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 210.015+/-0.044 χ^2/NDF:1421412.8/21

Out: 196.363+/-0.041 χ^2/NDF:3015498.6/26

All: 202.647+/-0.030 χ^2/NDF: 4489114.4/48

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.247+/-6.726 χ^2/NDF:5.0/7

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 6.063+/-7.110 χ^2/NDF:6.4/5

Left: 2.733+/-4.886 χ^2/NDF: 11.9/13

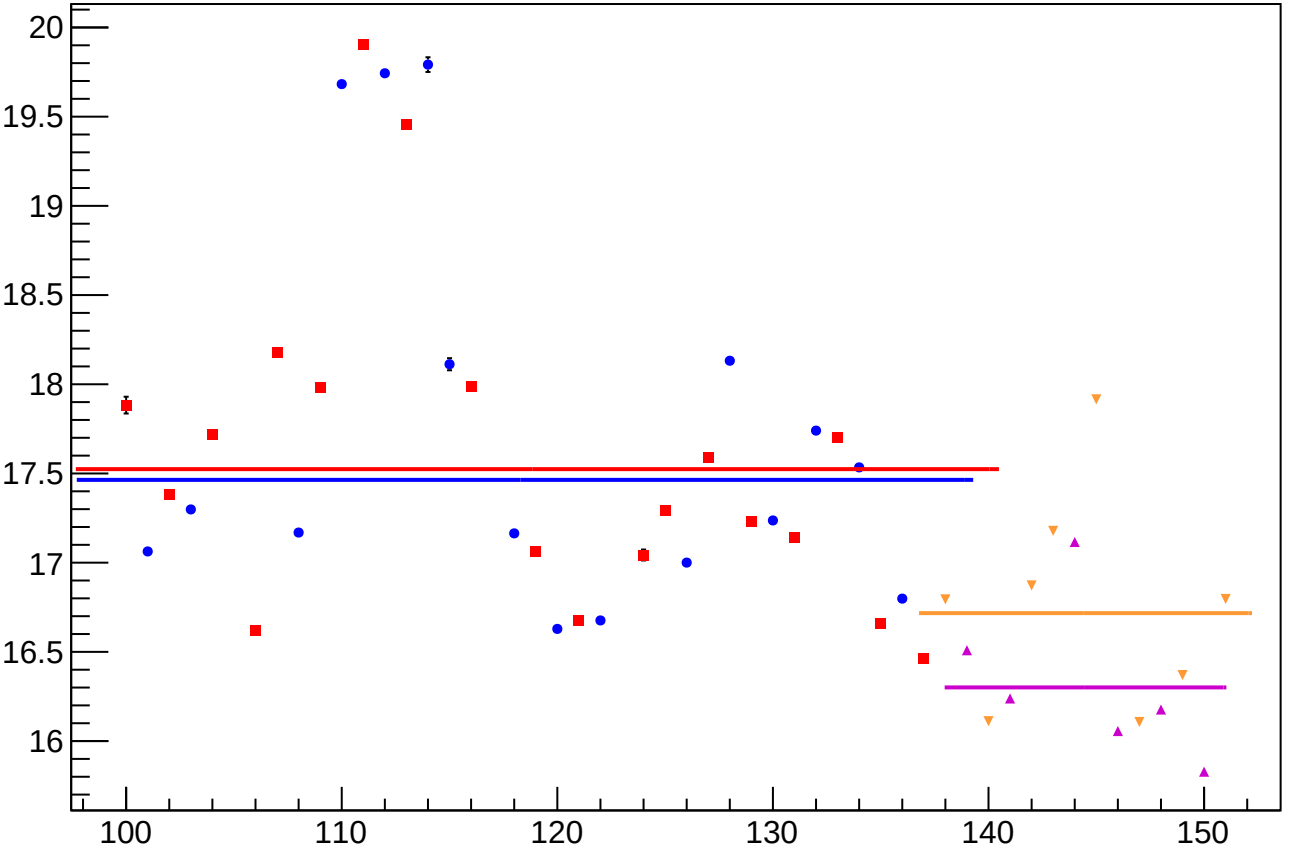
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.034+/-4.797 χ^2/NDF:15.0/21

Out: -3.857+/-4.637 χ^2/NDF:20.0/26

All: -1.011+/-3.334 χ^2/NDF: 35.8/48

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: 16.717+/-0.005 χ^2/NDF:14075.4/7

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.301+/-0.005 χ^2/NDF:6480.4/5

Left: 16.521+/-0.003 χ^2/NDF: 24177.0/13

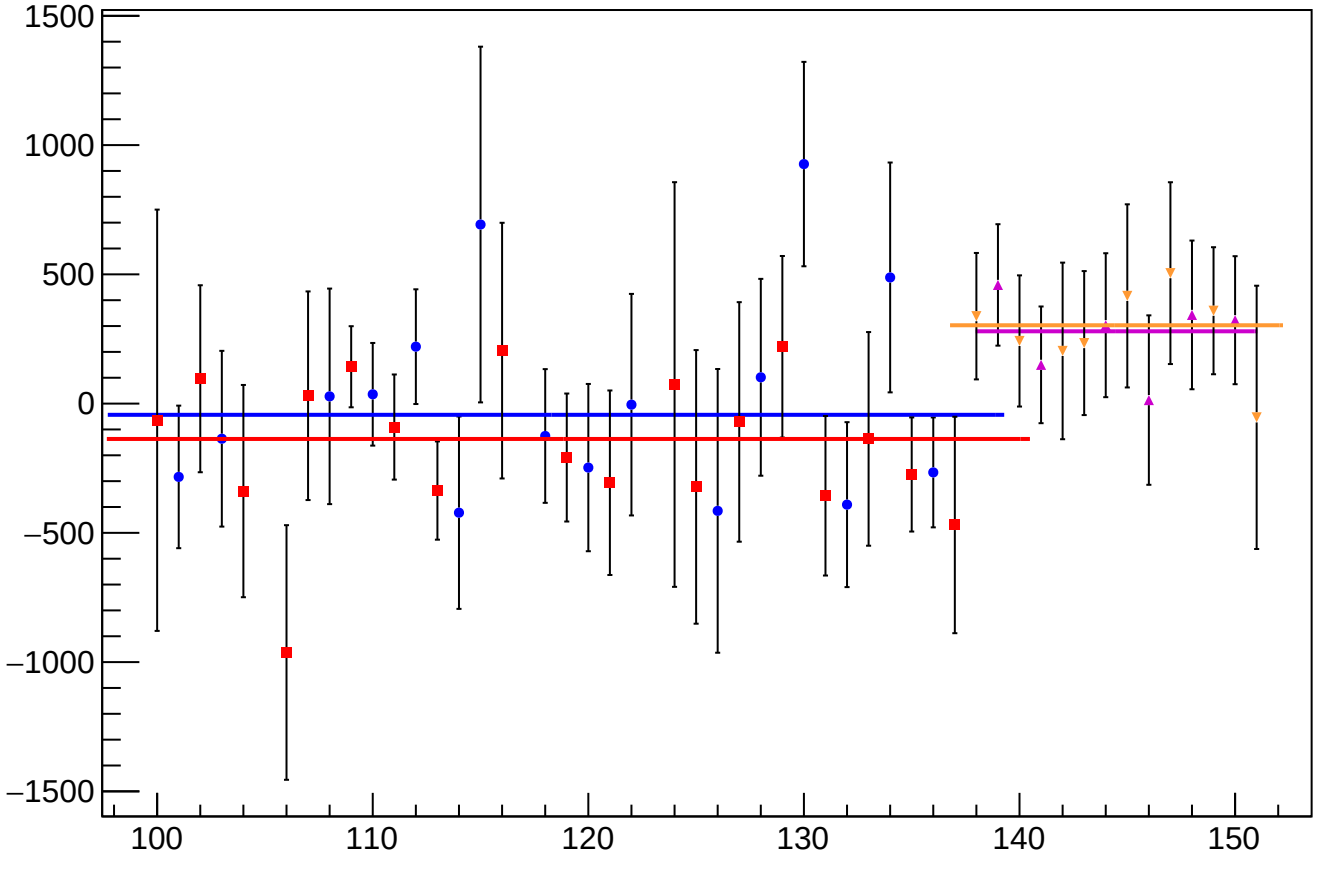
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.935+/-0.003 χ^2/NDF:72306.8/21

Out: 17.141+/-0.003 χ^2/NDF:63910.9/26

All: 17.041+/-0.002 χ^2/NDF: 138125.5/48

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: 303.023+/-105.300 χ^2/NDF:1.2/7

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 279.673+/-106.382 χ^2/NDF:1.7/5

Left: 291.467+/-74.838 χ^2/NDF: 2.9/13

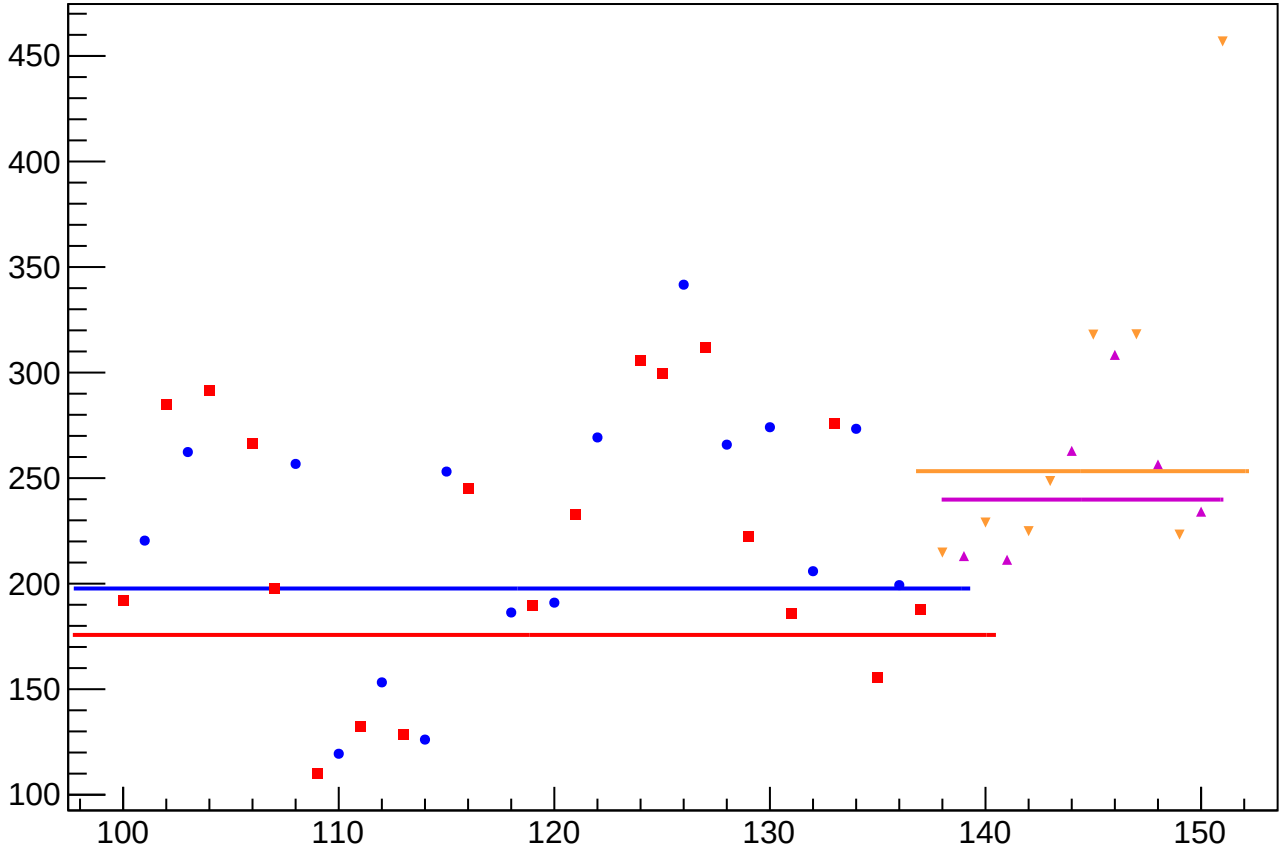
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 68.783+/-62.685 χ^2/NDF:23.1/21

Out: -3.174+/-58.038 χ^2/NDF:24.9/26

All: 30.039+/-42.587 χ^2/NDF: 48.7/48

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: 253.294+/-0.074 χ^2/NDF:566797.9/7

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 239.827+/-0.075 χ^2/NDF:166854.1/5

Left: 246.629+/-0.053 χ^2/NDF: 749842.3/13

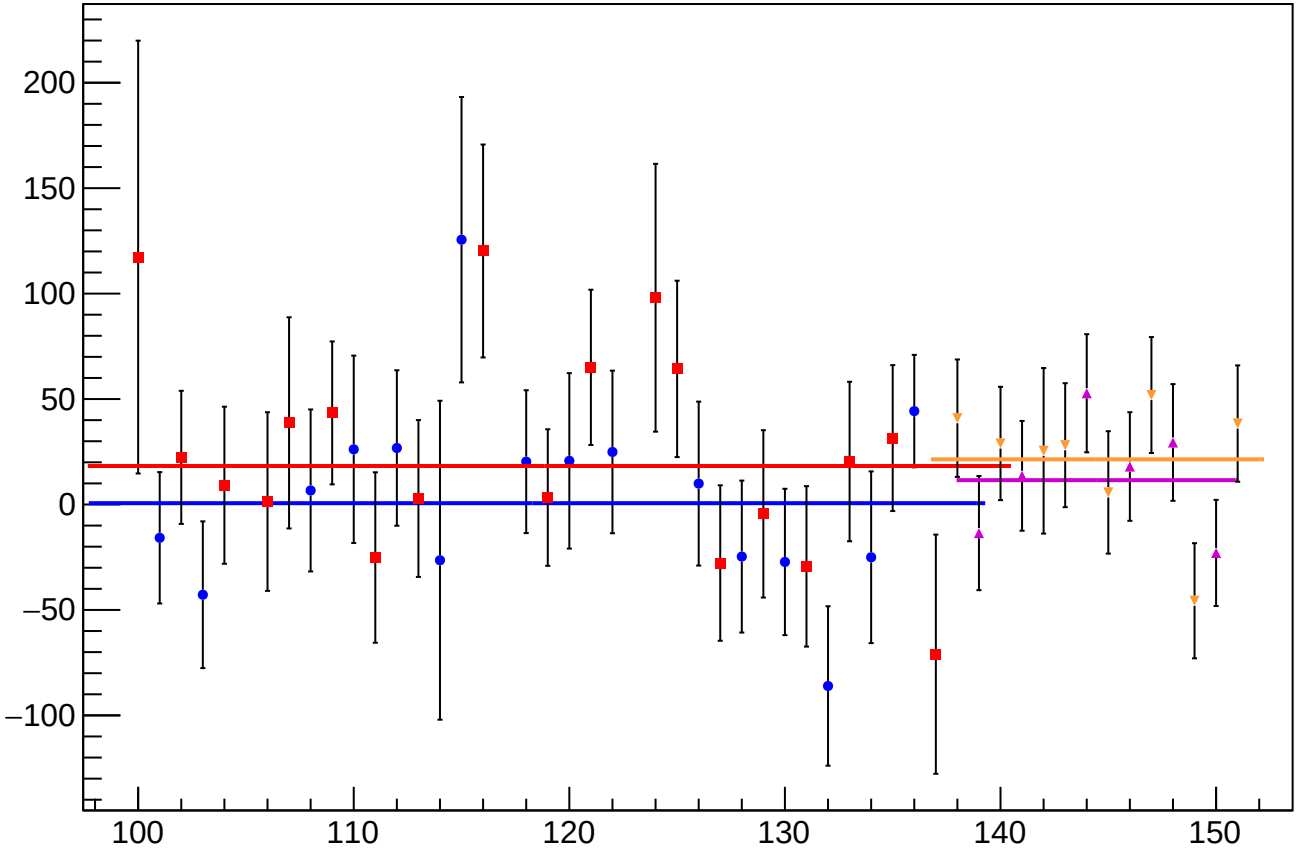
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 212.331+/-0.044 χ^2/NDF:1371837.8/21

Out: 199.283+/-0.041 χ^2/NDF:2913142.2/26

All: 205.305+/-0.030 χ^2/NDF: 4331642.2/48

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: 21.420+/-10.180 χ^2/NDF:8.6/7

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 11.536+/-10.842 χ^2/NDF:5.4/5

Left: 16.789+/-7.421 χ^2/NDF: 14.4/13

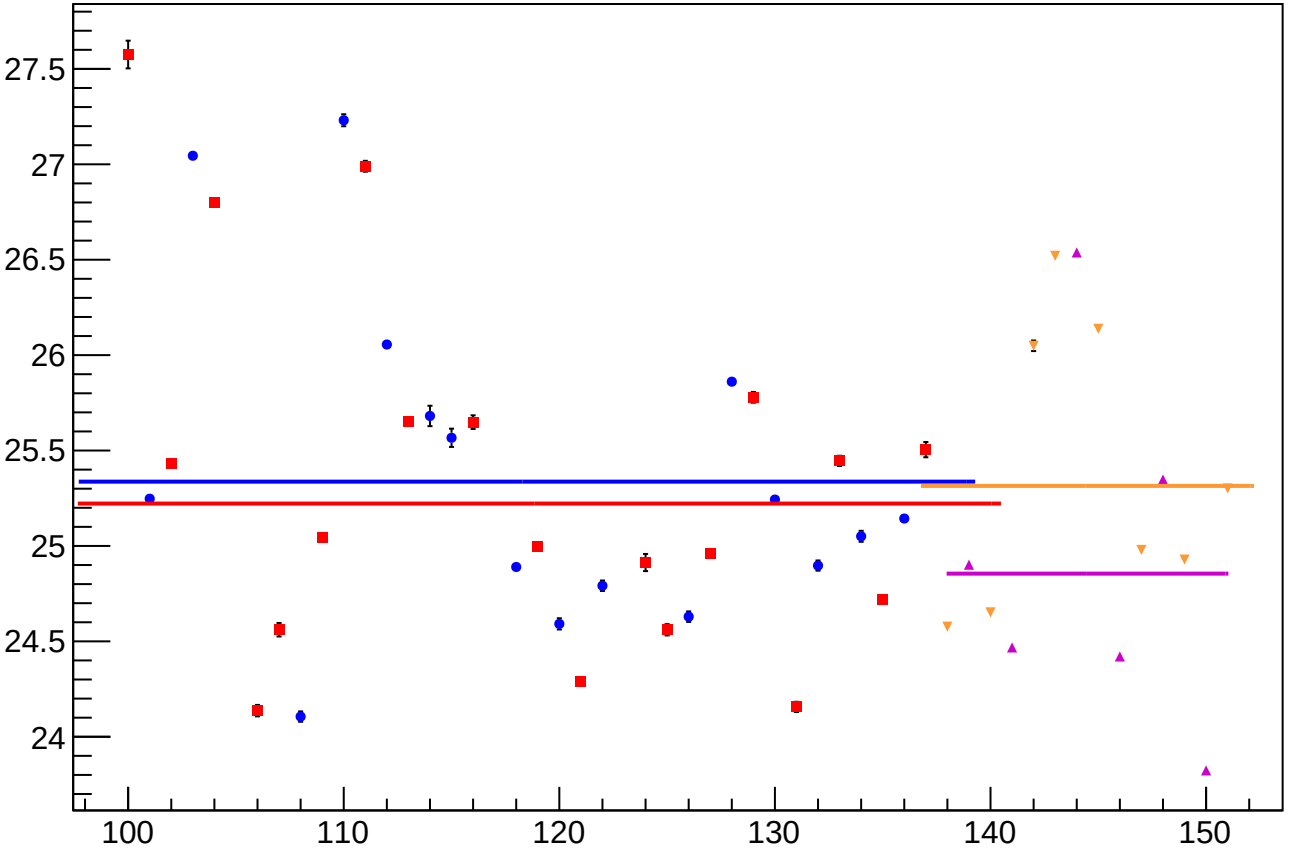
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 5.316+/-7.112 χ^2/NDF:22.7/21

Out: 19.675+/-6.829 χ^2/NDF:26.6/26

All: 12.786+/-4.926 χ^2/NDF: 51.4/48

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: 25.315+/-0.007 χ^2/NDF:8992.9/7

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.855+/-0.008 χ^2/NDF:12233.3/5

Left: 25.099+/-0.005 χ^2/NDF: 23137.0/13

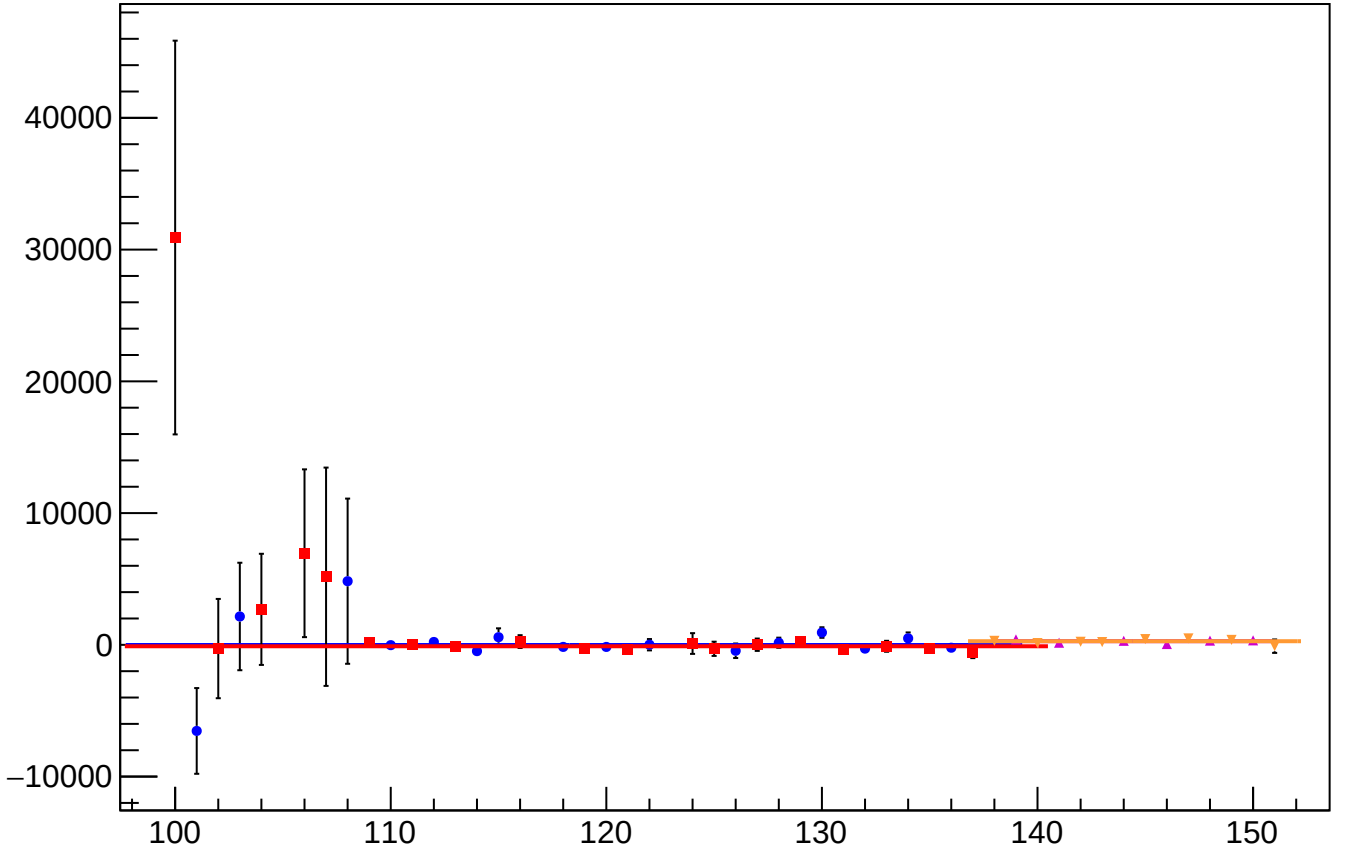
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.130+/-0.005 χ^2/NDF:28801.4/21

Out: 25.264+/-0.005 χ^2/NDF:24308.1/26

All: 25.199+/-0.003 χ^2/NDF: 53479.8/48

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: 274.745+/-106.670 χ^2/NDF:1.7/7

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 278.330+/-107.434 χ^2/NDF:1.1/5

Left: 276.525+/-75.696 χ^2/NDF: 2.8/13

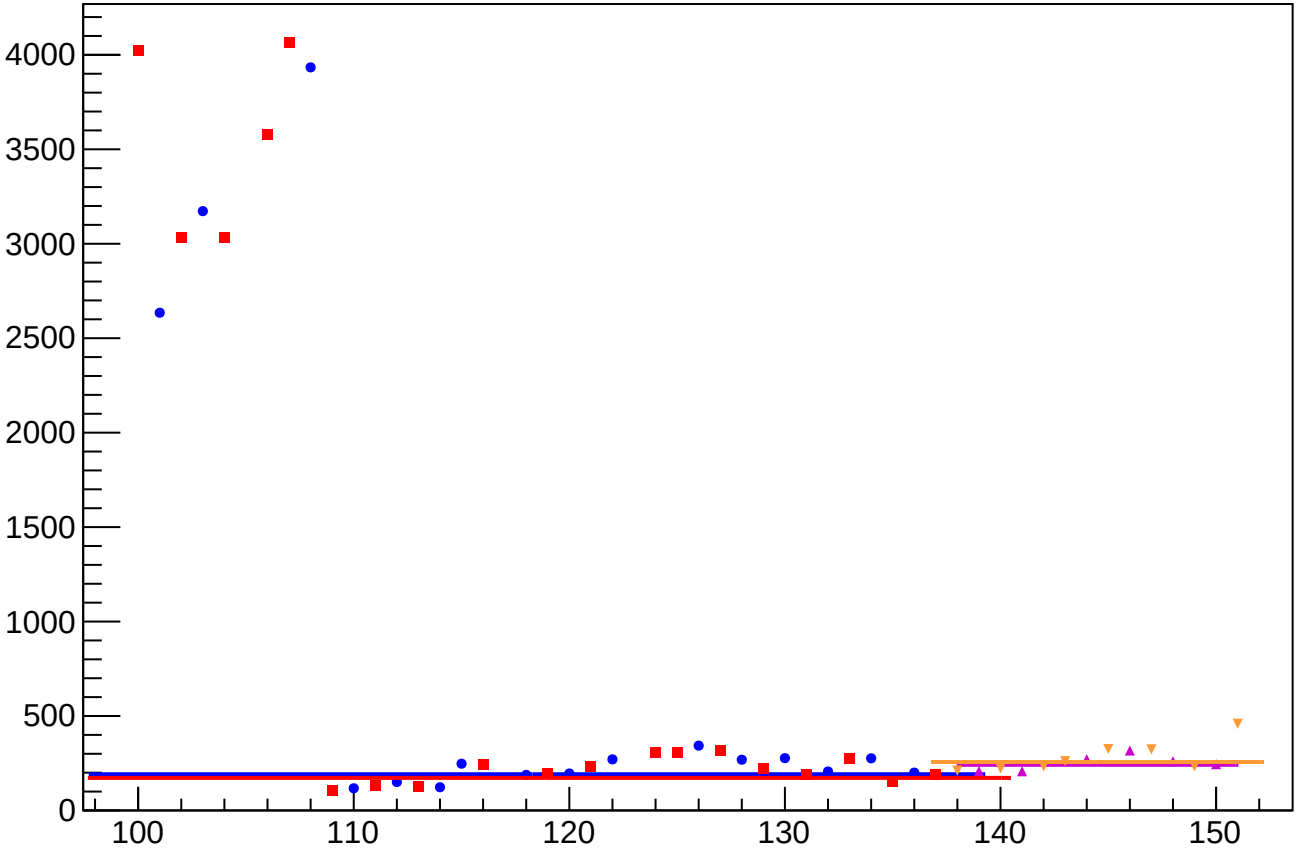
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 97.160+/-66.515 χ^2/NDF:24.0/21

Out: 25.032+/-63.015 χ^2/NDF:24.1/26

All: 59.149+/-45.746 χ^2/NDF: 48.8/48

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: 256.380+/-0.075 χ^2/NDF:591202.1/7

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 241.540+/-0.076 χ^2/NDF:218009.5/5

Left: 249.013+/-0.054 χ^2/NDF: 828428.4/13

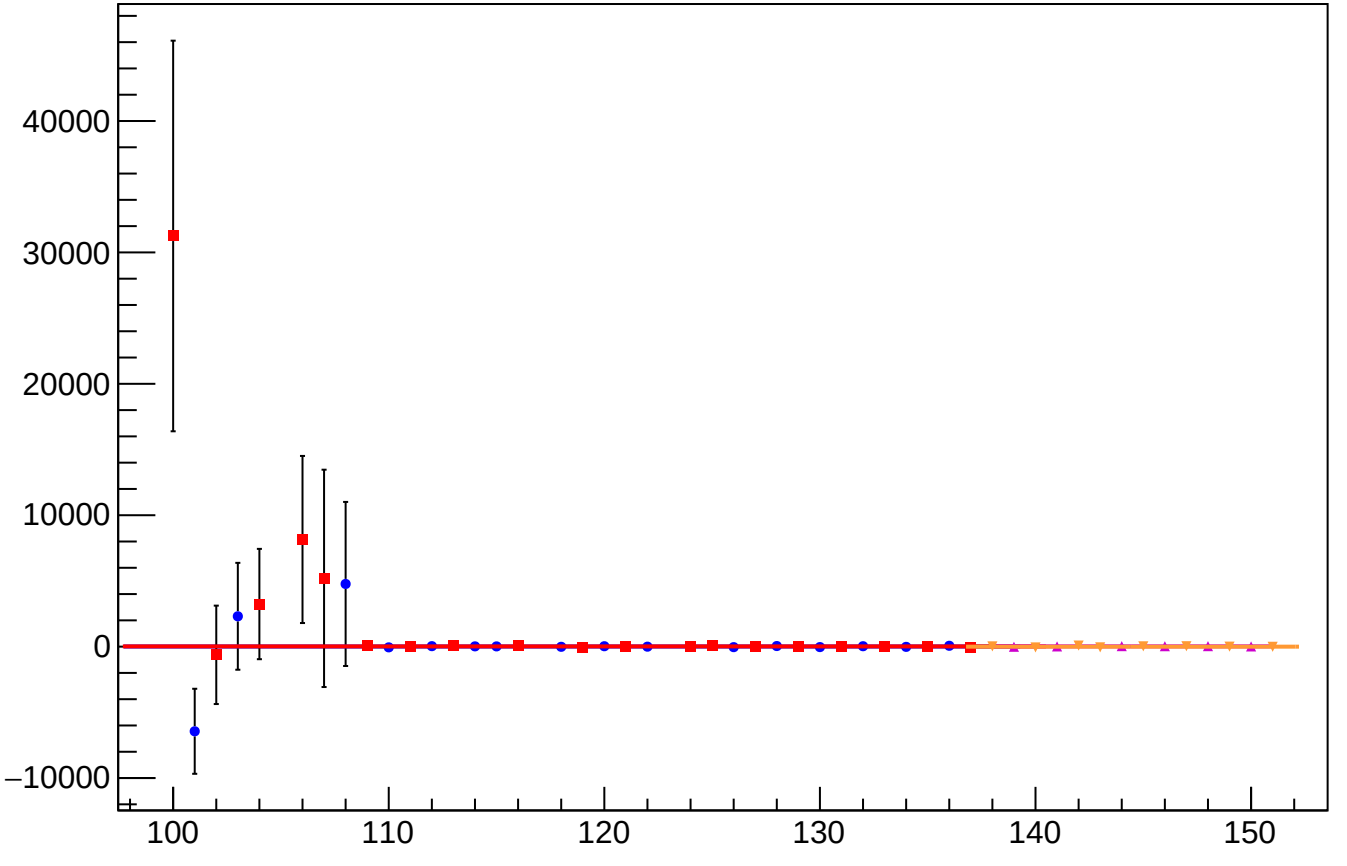
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 210.826+/-0.047 χ^2/NDF:4304874.3/21

Out: 201.748+/-0.045 χ^2/NDF:5700170.3/26

All: 206.042+/-0.032 χ^2/NDF: 10024680.3/48

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -2.136+/-11.830 χ^2/NDF:11.2/7

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 21.576+/-12.778 χ^2/NDF:1.7/5

Left: 8.808+/-8.681 χ^2/NDF: 14.7/13

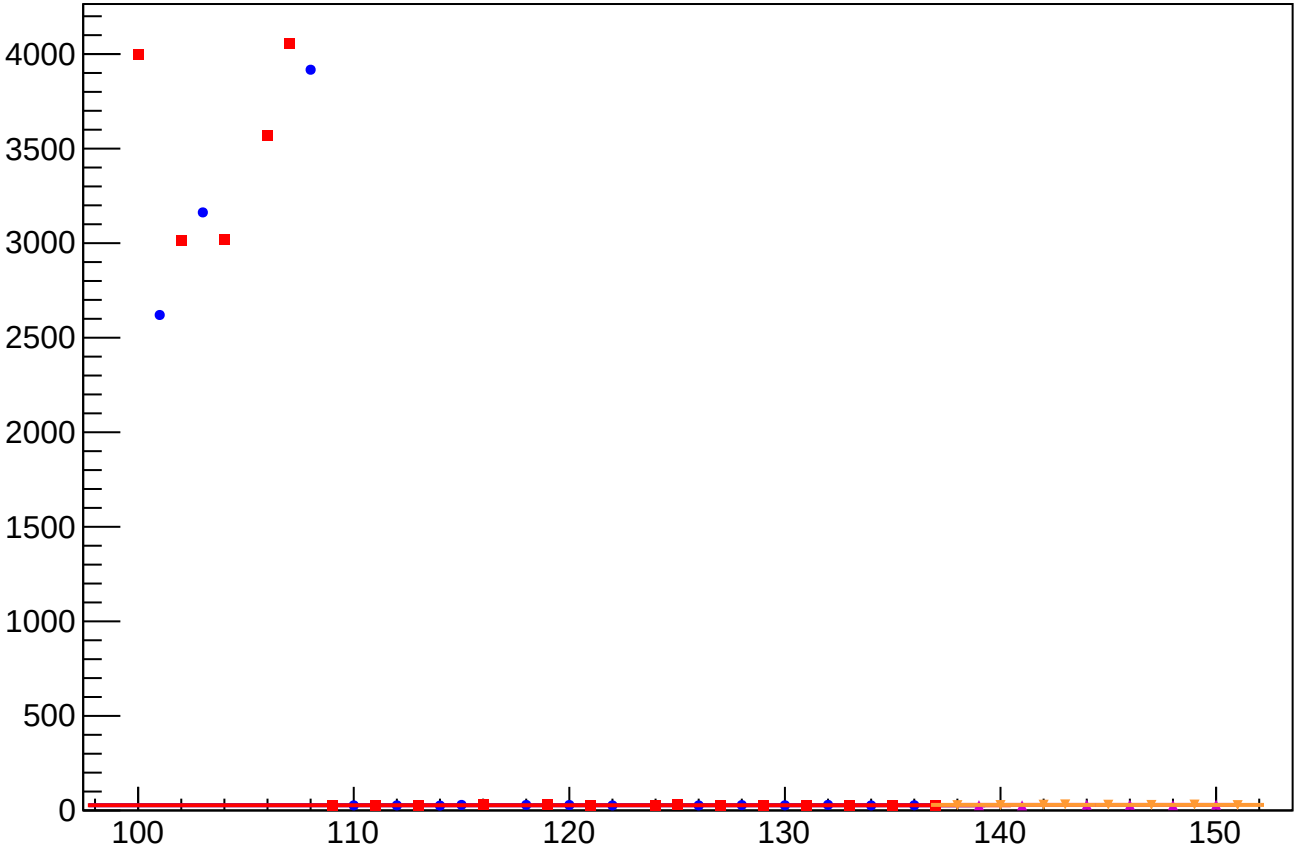
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 15.041+/-8.623 χ^2/NDF:18.2/21

Out: 8.006+/-8.356 χ^2/NDF:37.4/26

All: 11.413+/-6.001 χ^2/NDF: 55.9/48

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: 29.330+/-0.008 χ^2/NDF:26163.4/7

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.240+/-0.009 χ^2/NDF:31221.6/5

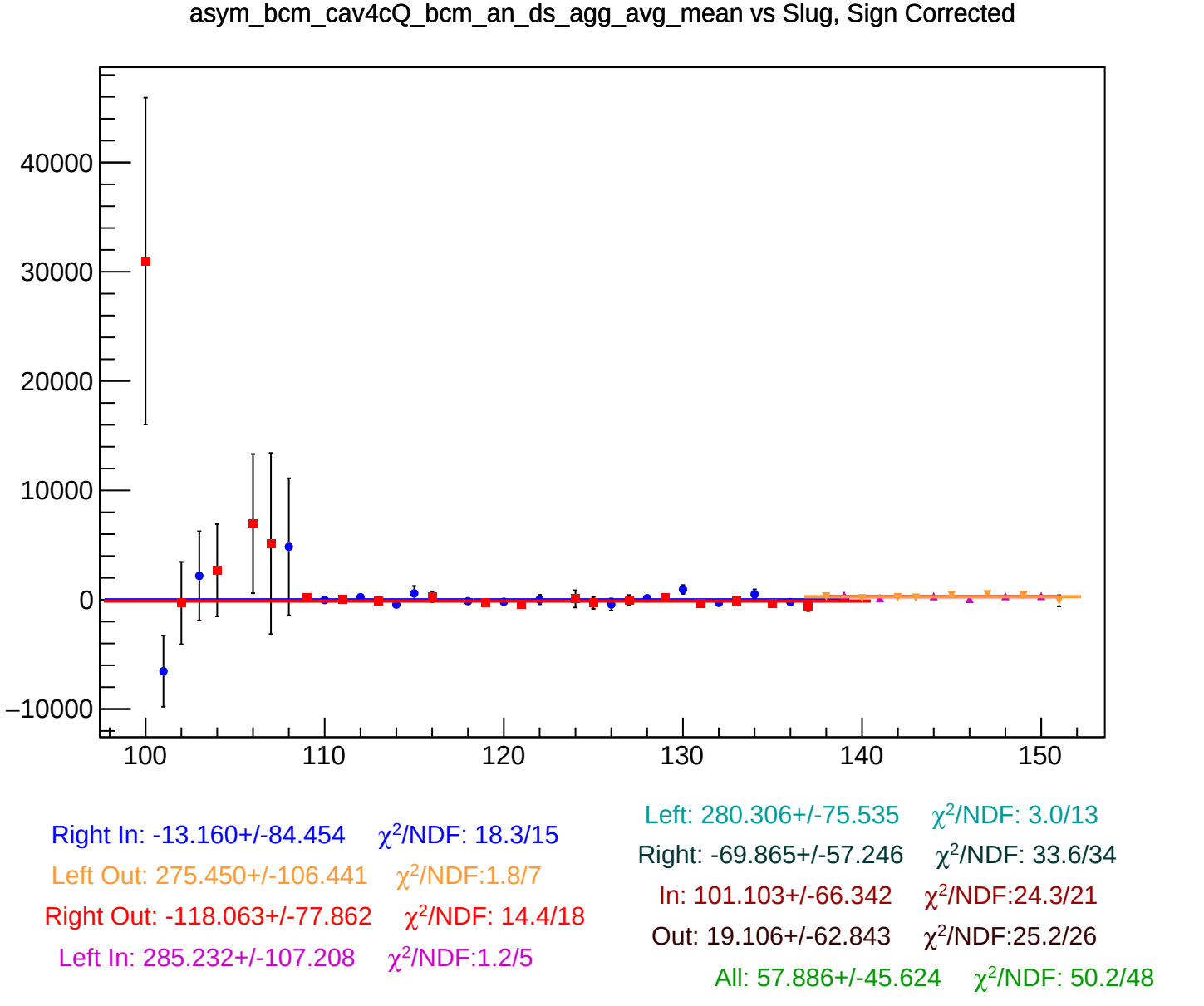
Left: 29.288+/-0.006 χ^2/NDF: 57437.7/13

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

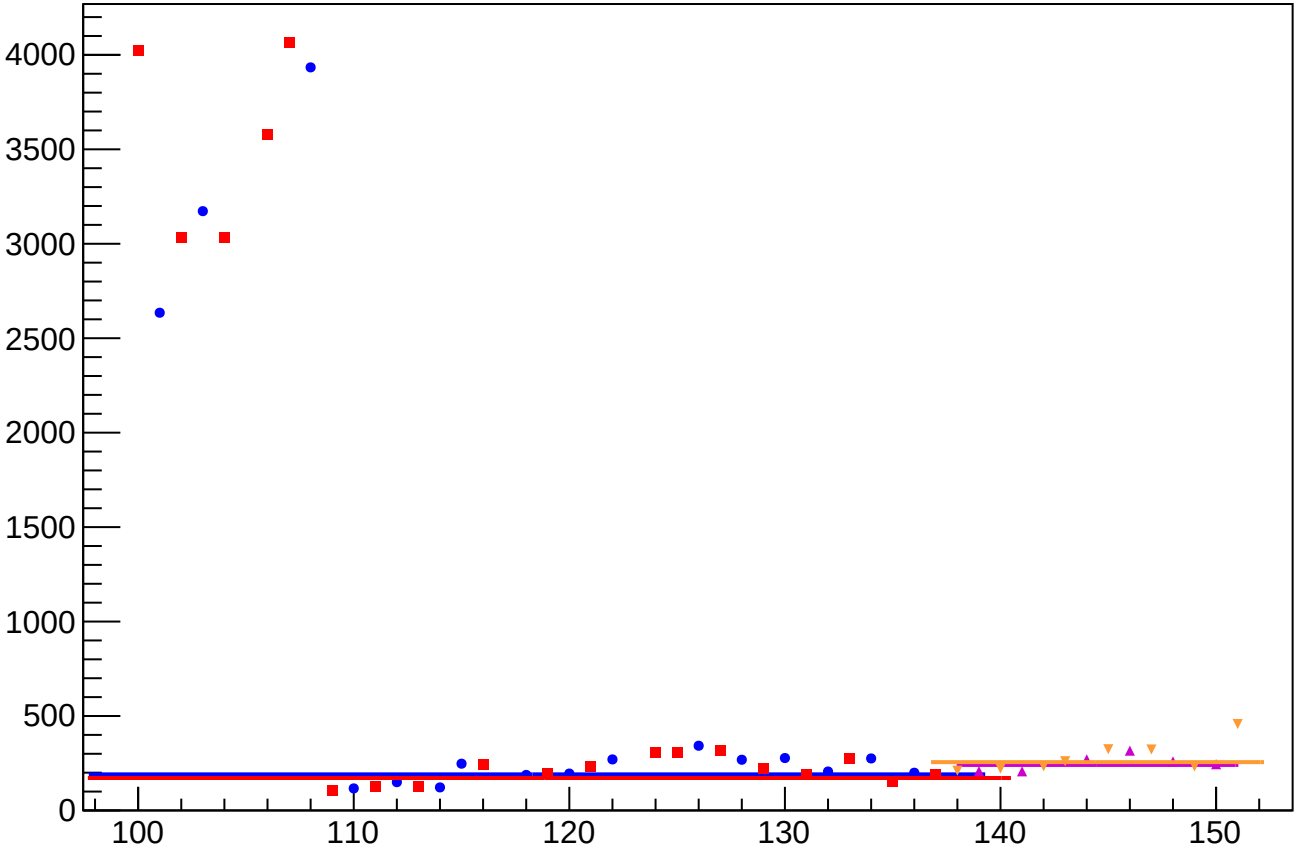
In: 28.370+/-0.006 χ^2/NDF:3313768.1/21

Out: 28.430+/-0.006 χ^2/NDF:3604466.6/26

All: 28.401+/-0.004 χ^2/NDF: 6918285.7/48


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -13.160+/-84.454 χ²/NDF: 18.3/15
Left Out: 275.450+/-106.441 χ²/NDF:1.8/7
Right Out: -118.063+/-77.862 χ²/NDF: 14.4/18
Left In: 285.232+/-107.208 χ²/NDF:1.2/5
Left: 280.306+/-75.535 χ²/NDF: 3.0/13
Right: -69.865+/-57.246 χ²/NDF: 33.6/34
In: 101.103+/-66.342 χ²/NDF:24.3/21
Out: 19.106+/-62.843 χ²/NDF:25.2/26
All: 57.886+/-45.624 χ²/NDF: 50.2/48

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: 255.832+/-0.075 χ^2/NDF:590989.9/7

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 241.031+/-0.076 χ^2/NDF:218013.3/5

Left: 248.485+/-0.053 χ^2/NDF: 828201.7/13

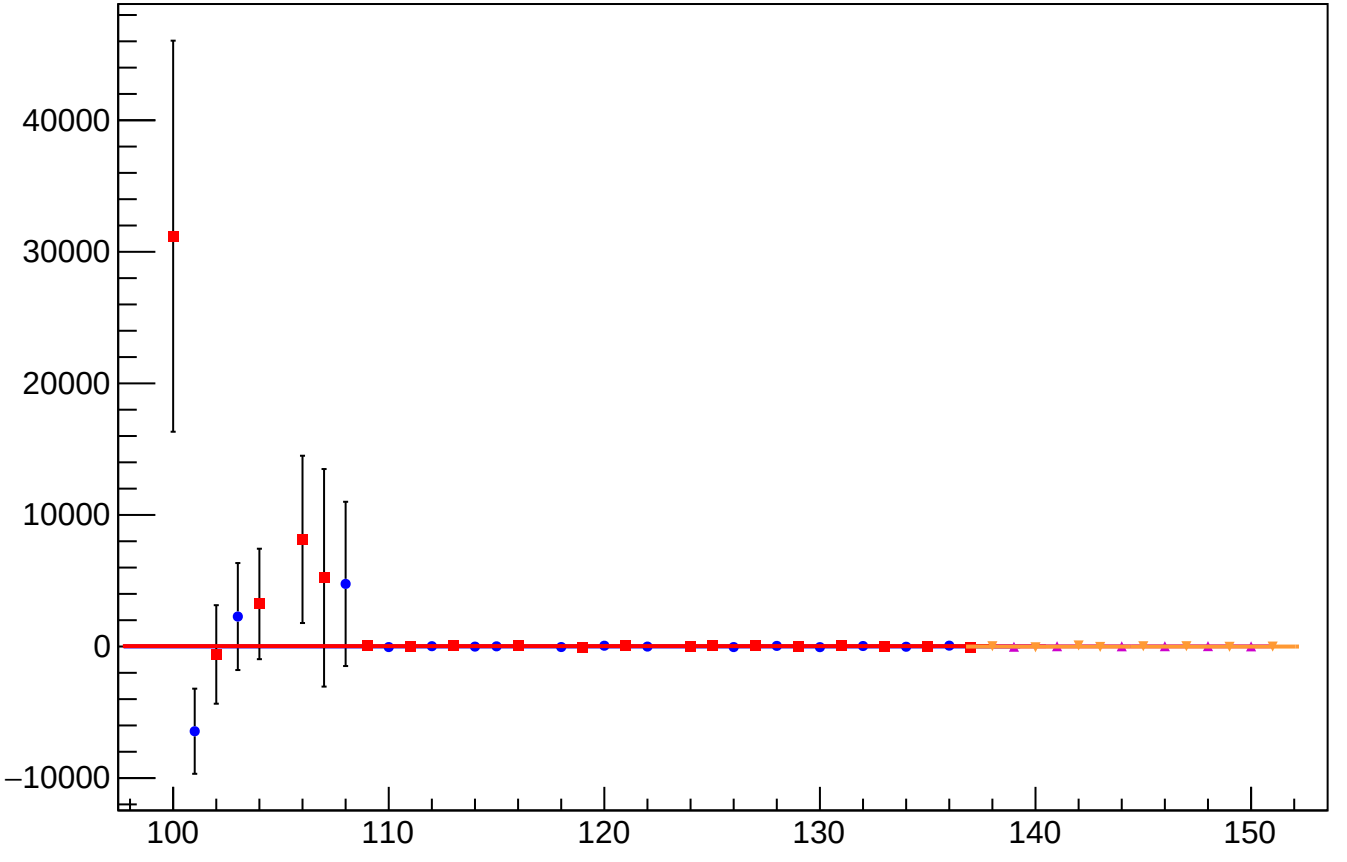
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 210.201+/-0.047 χ^2/NDF:4319986.6/21

Out: 201.115+/-0.044 χ^2/NDF:5717051.1/26

All: 205.412+/-0.032 χ^2/NDF: 10056814.0/48

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: -3.336+/-11.904 χ^2/NDF:9.0/7

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 15.708+/-12.860 χ^2/NDF:1.4/5

Left: 5.452+/-8.736 χ^2/NDF: 11.7/13

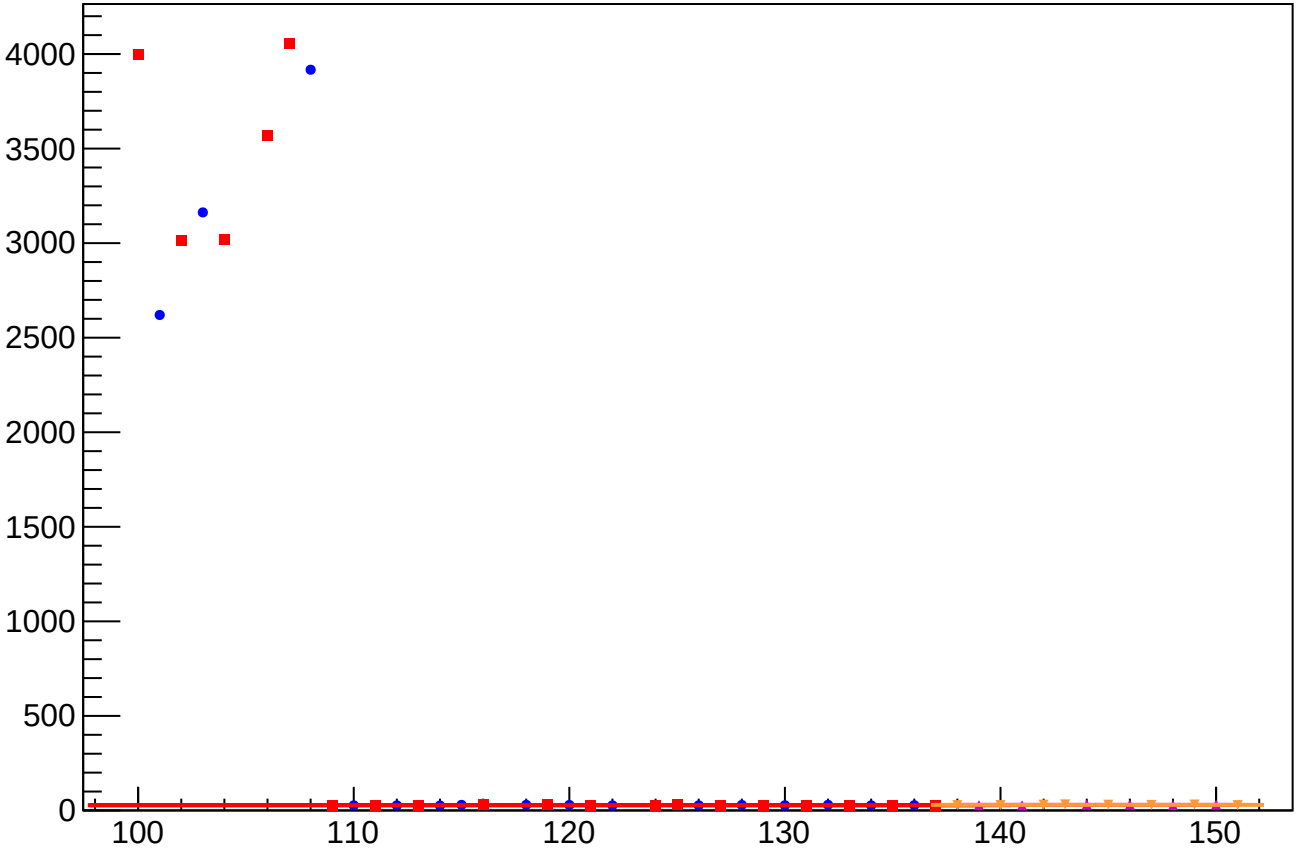
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 10.690+/-8.680 χ^2/NDF:20.0/21

Out: 13.817+/-8.417 χ^2/NDF:33.1/26

All: 12.302+/-6.043 χ^2/NDF: 53.1/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.512+/-0.008 χ^2/NDF:27579.1/7

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.422+/-0.009 χ^2/NDF:33748.4/5

Left: 29.471+/-0.006 χ^2/NDF: 61380.5/13

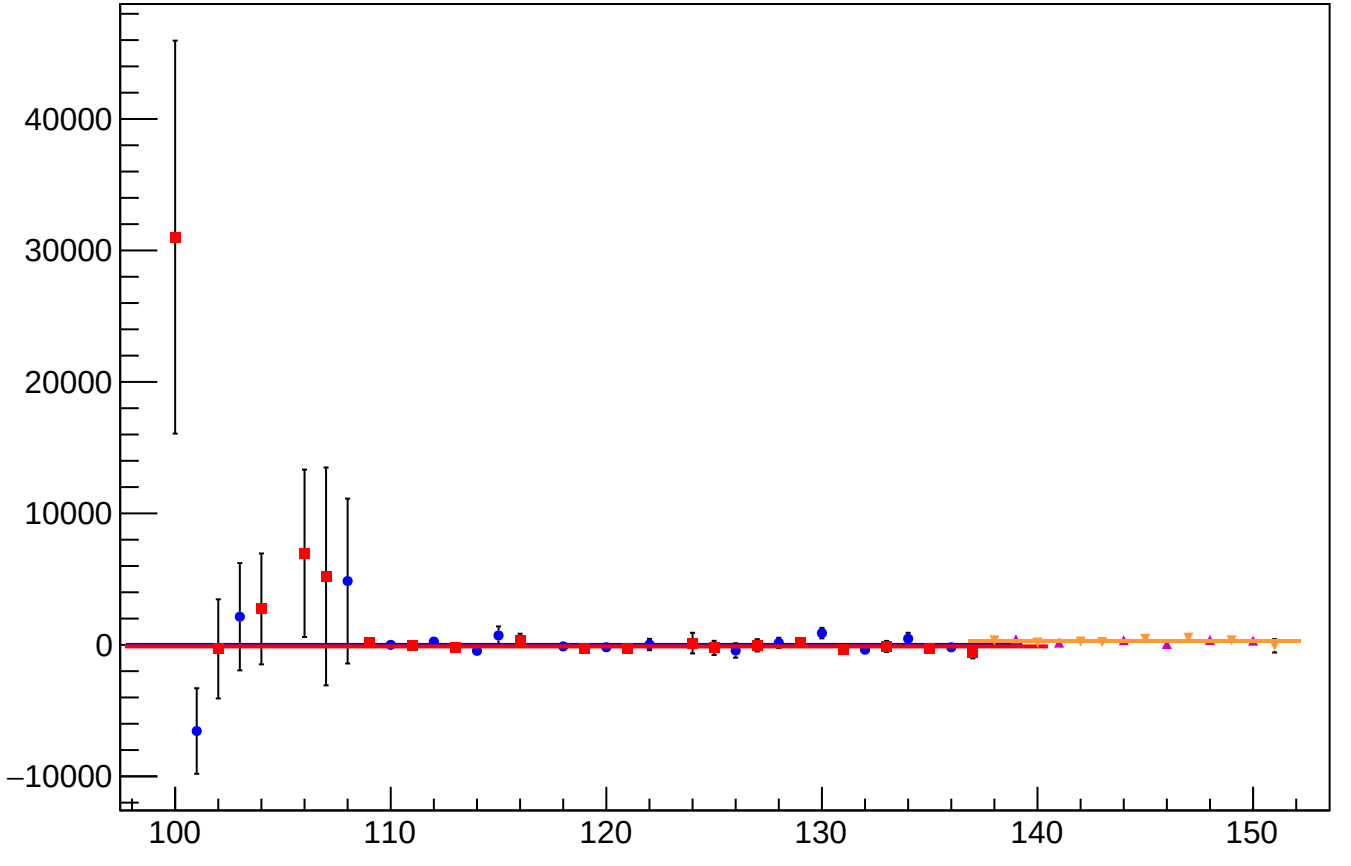
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.552+/-0.006 χ^2/NDF:3316437.8/21

Out: 28.633+/-0.006 χ^2/NDF:3608084.3/26

All: 28.594+/-0.004 χ^2/NDF: 6924610.0/48

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: 293.117+/-107.686 χ^2/NDF:1.6/7

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 297.090+/-108.364 χ^2/NDF:1.2/5

Left: 295.091+/-76.384 χ^2/NDF: 2.8/13

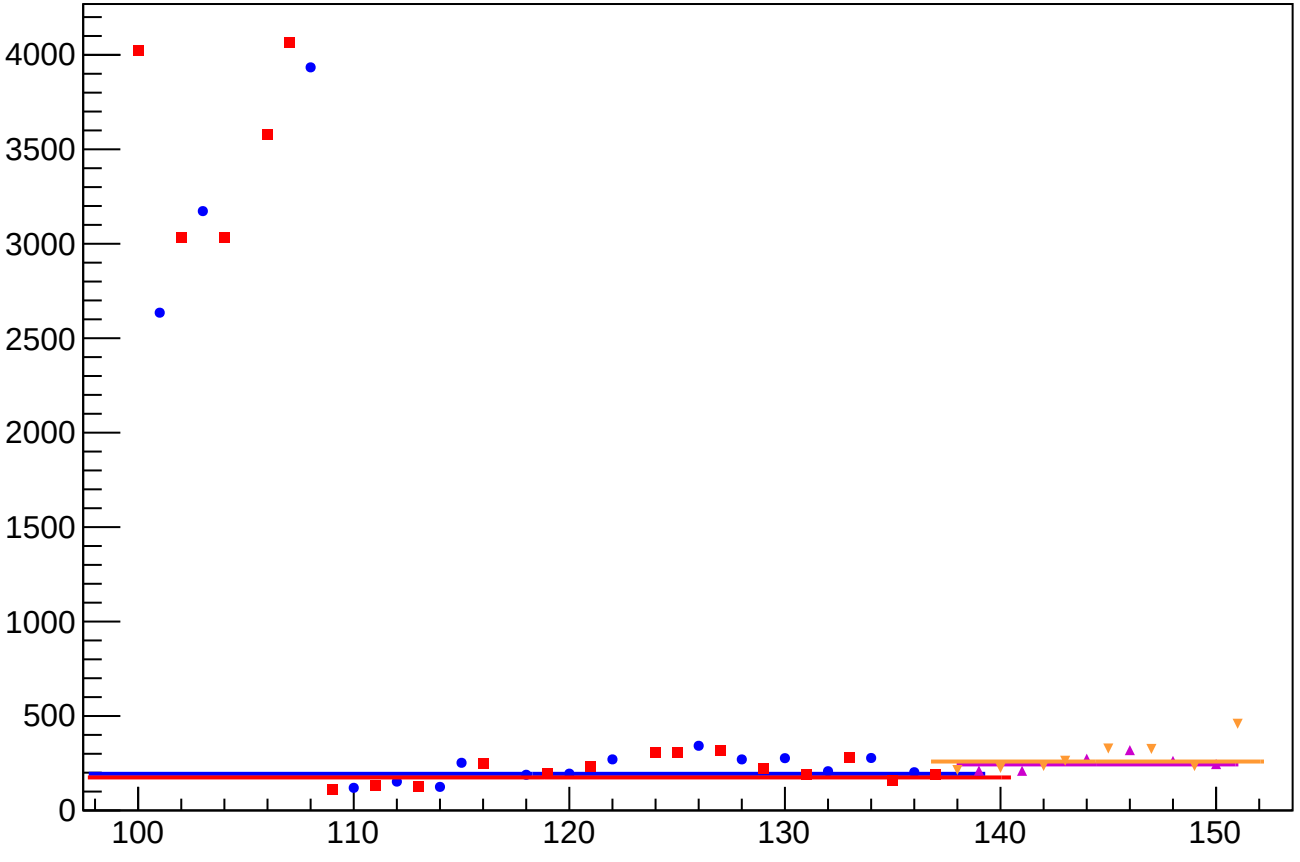
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 112.277+/-67.127 χ^2/NDF:24.2/21

Out: 27.193+/-63.673 χ^2/NDF:24.7/26

All: 67.490+/-46.196 χ^2/NDF: 49.8/48

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: 258.992+/-0.076 χ^2/NDF:578354.8/7

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 243.725+/-0.077 χ^2/NDF:213415.5/5

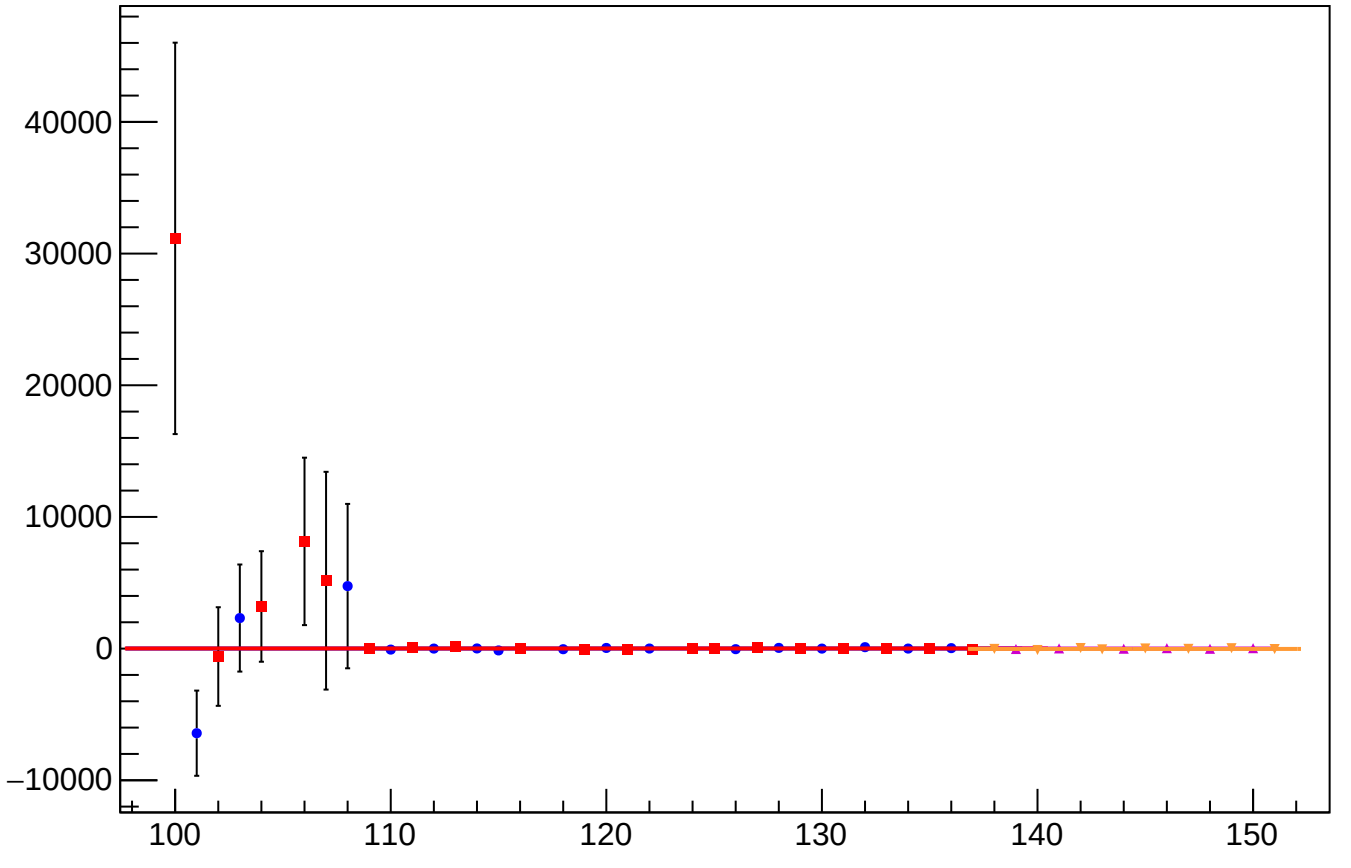
Left: 251.406+/-0.054 χ^2/NDF: 811744.0/13

Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 213.047+/-0.047 χ^2/NDF:4257967.4/21

Out: 204.221+/-0.045 χ^2/NDF:5633170.8/26

All: 208.401+/-0.033 χ^2/NDF: 9909339.6/48



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -25.254+/-14.040 χ^2/NDF:9.8/7

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 5.103+/-15.230 χ^2/NDF:2.4/5

Left: -11.308+/-10.323 χ^2/NDF: 14.3/13

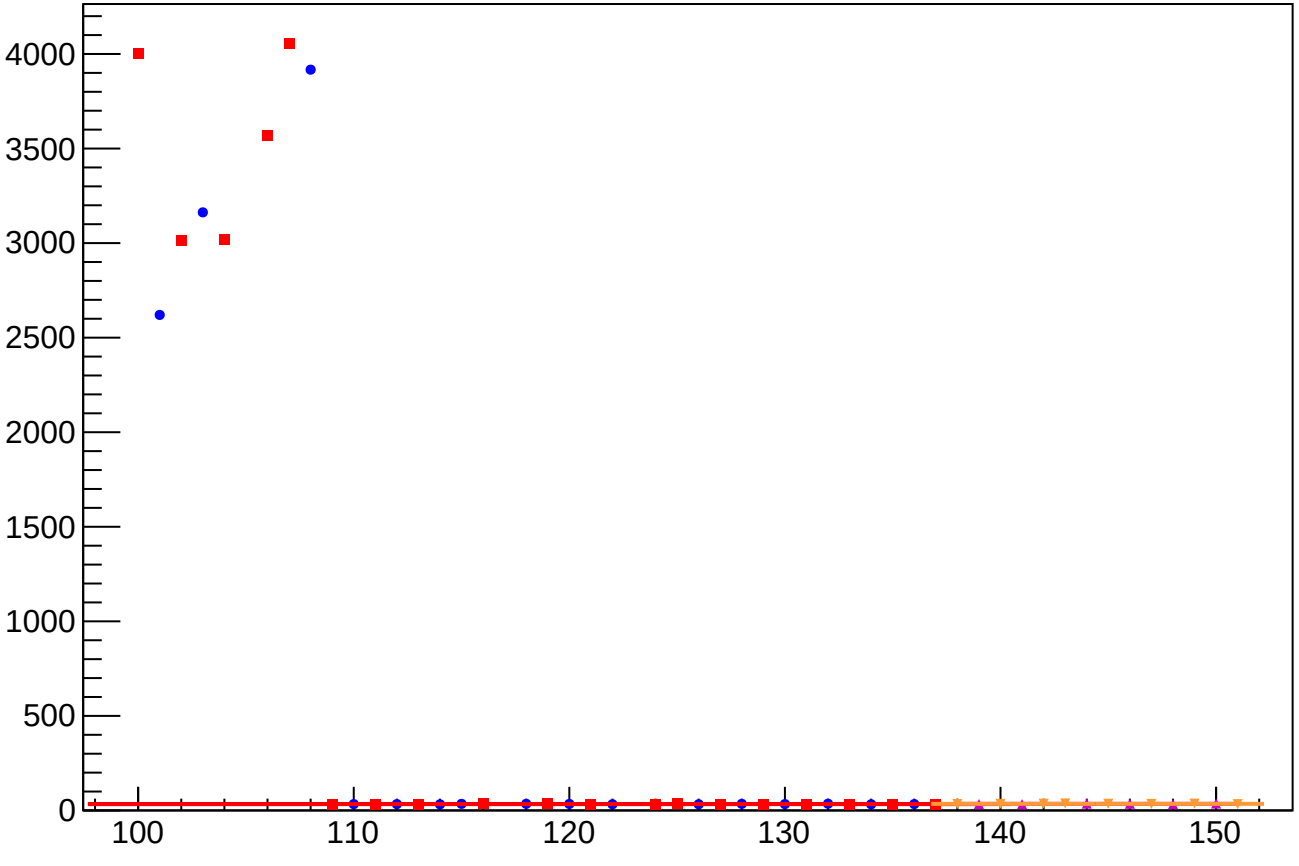
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 5.399+/-10.427 χ^2/NDF:19.9/21

Out: -8.112+/-10.064 χ^2/NDF:36.3/26

All: -1.596+/-7.241 χ^2/NDF: 57.0/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.875+/-0.010 χ^2/NDF:13019.8/7

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.912+/-0.011 χ^2/NDF:11821.6/5

Left: 34.892+/-0.007 χ^2/NDF: 24847.9/13

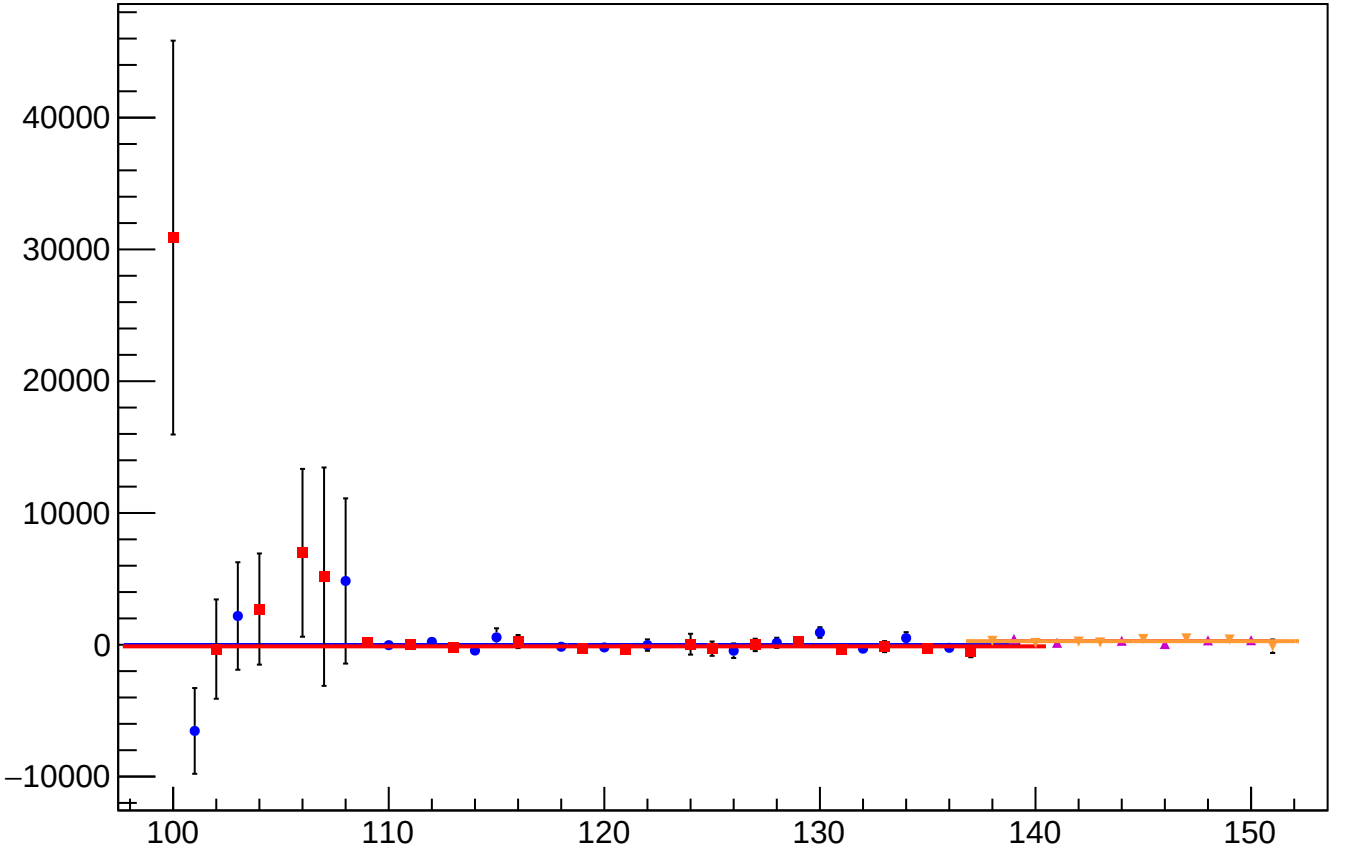
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.374+/-0.007 χ^2/NDF:3260904.5/21

Out: 34.316+/-0.007 χ^2/NDF:3545993.0/26

All: 34.344+/-0.005 χ^2/NDF: 6806929.5/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 275.284+/-106.918 χ^2/NDF:1.8/7

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 285.496+/-107.757 χ^2/NDF:1.4/5

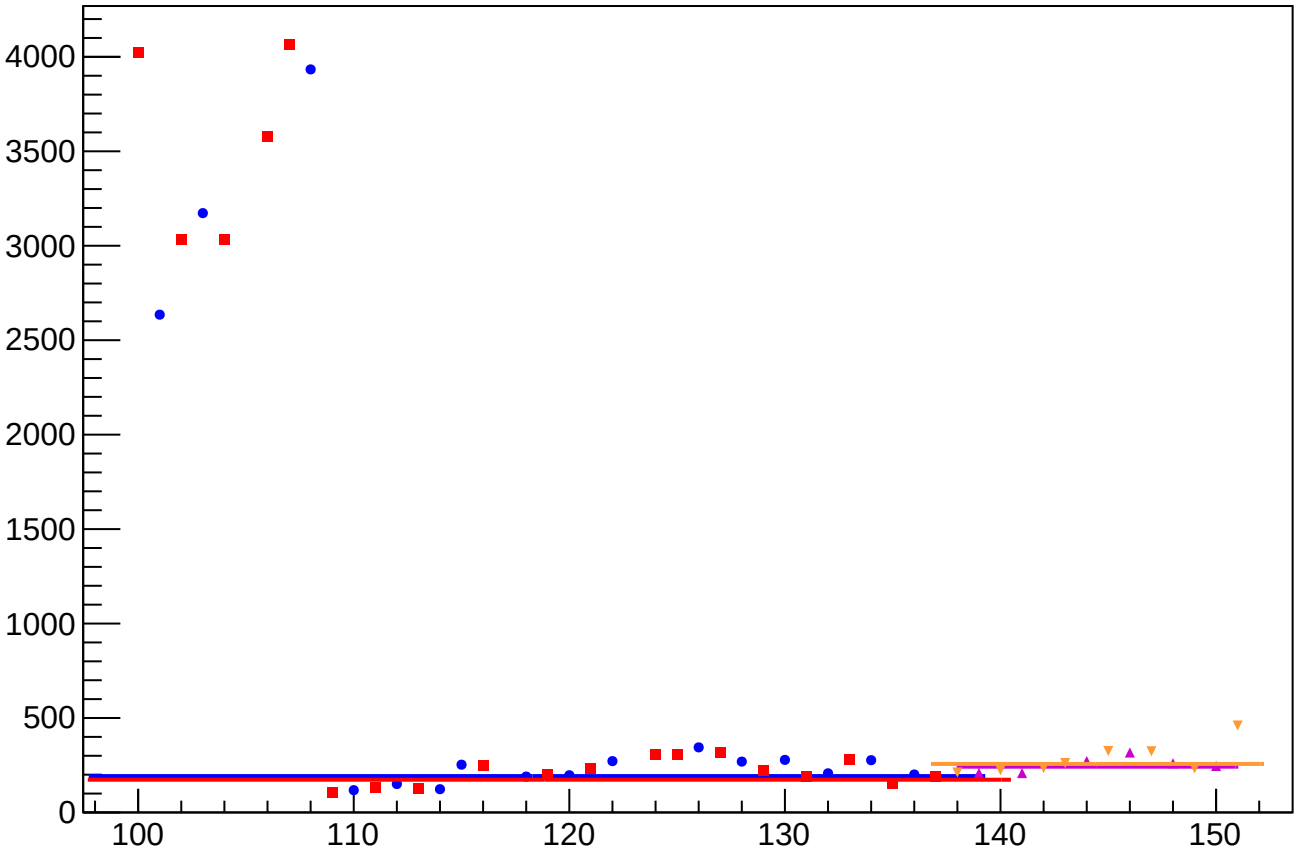
Left: 280.350+/-75.897 χ^2/NDF: 3.2/13

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 97.579+/-66.767 χ^2/NDF:24.5/21

Out: 18.398+/-63.253 χ^2/NDF:24.0/26

All: 55.850+/-45.919 χ^2/NDF: 49.2/48



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 256.976+/-0.076 χ^2/NDF:591333.7/7

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 242.307+/-0.076 χ^2/NDF:215156.2/5

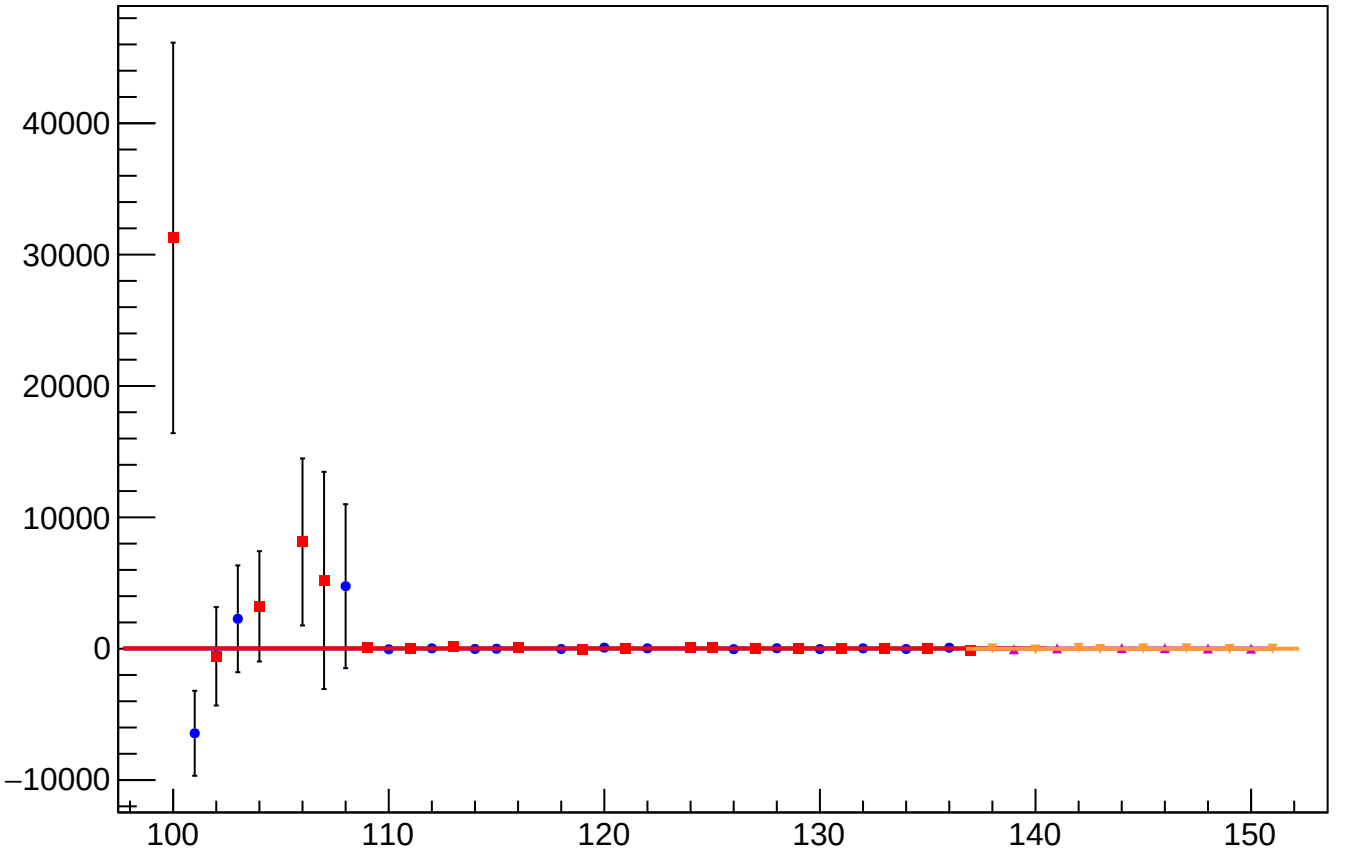
Left: 249.699+/-0.054 χ^2/NDF: 825165.4/13

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 211.659+/-0.047 χ^2/NDF:4300559.2/21

Out: 202.553+/-0.045 χ^2/NDF:5695973.6/26

All: 206.860+/-0.032 χ^2/NDF: 10016137.7/48



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -3.050+/-12.951 χ^2/NDF:7.8/7

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 17.032+/-13.920 χ^2/NDF:4.4/5

Left: 6.268+/-9.482 χ^2/NDF: 13.3/13

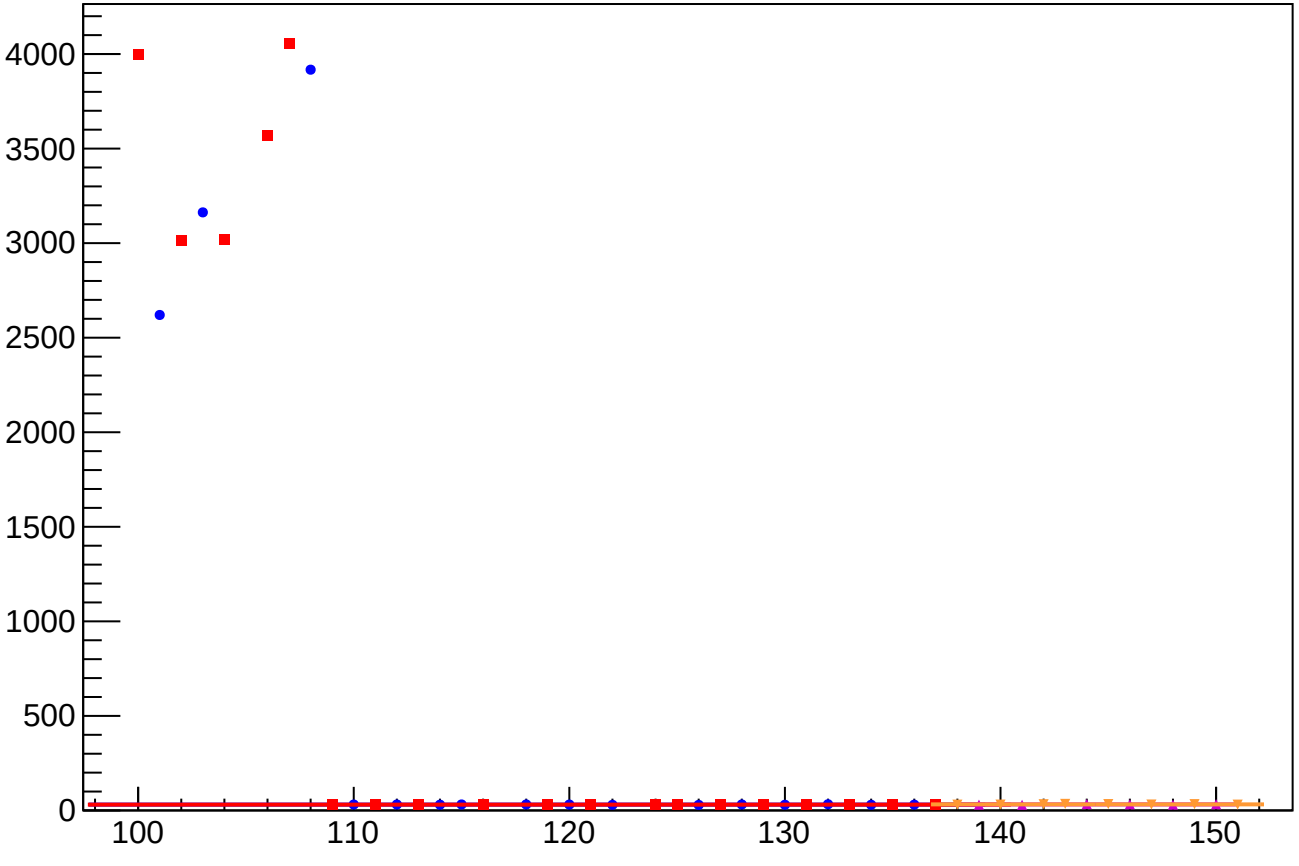
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 15.267+/-9.525 χ^2/NDF:19.9/21

Out: 9.859+/-9.238 χ^2/NDF:38.5/26

All: 12.480+/-6.631 χ^2/NDF: 58.6/48

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: 32.127+/-0.009 χ^2/NDF:24971.7/7

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.886+/-0.010 χ^2/NDF:22049.5/5

Left: 32.015+/-0.007 χ^2/NDF: 47343.1/13

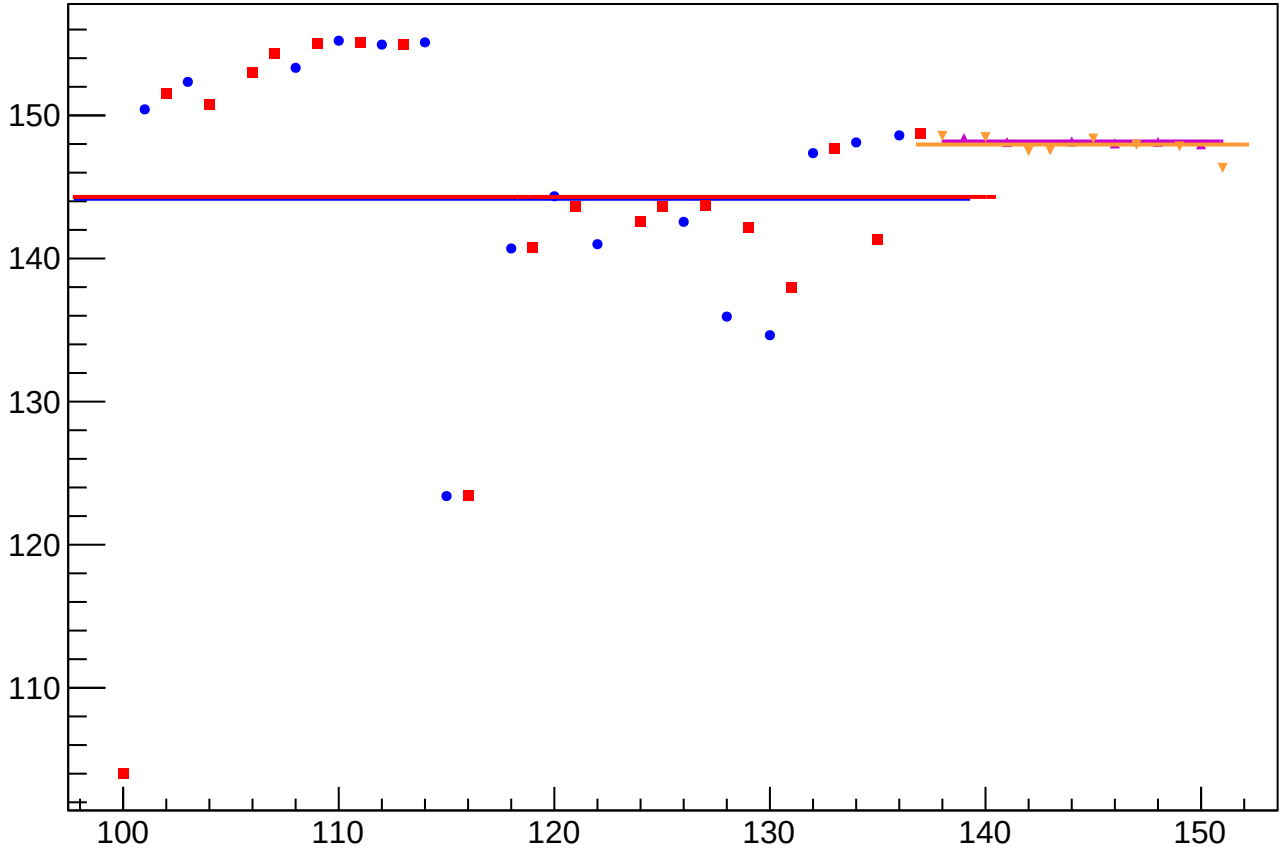
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.377+/-0.007 χ^2/NDF:3279691.0/21

Out: 31.464+/-0.007 χ^2/NDF:3571885.2/26

All: 31.422+/-0.005 χ^2/NDF: 6851662.5/48

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.965+/-0.000 χ^2/NDF:18288178.3/7

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.177+/-0.000 χ^2/NDF:683350.9/5

Left: 148.059+/-0.000 χ^2/NDF: 19944837.9/13

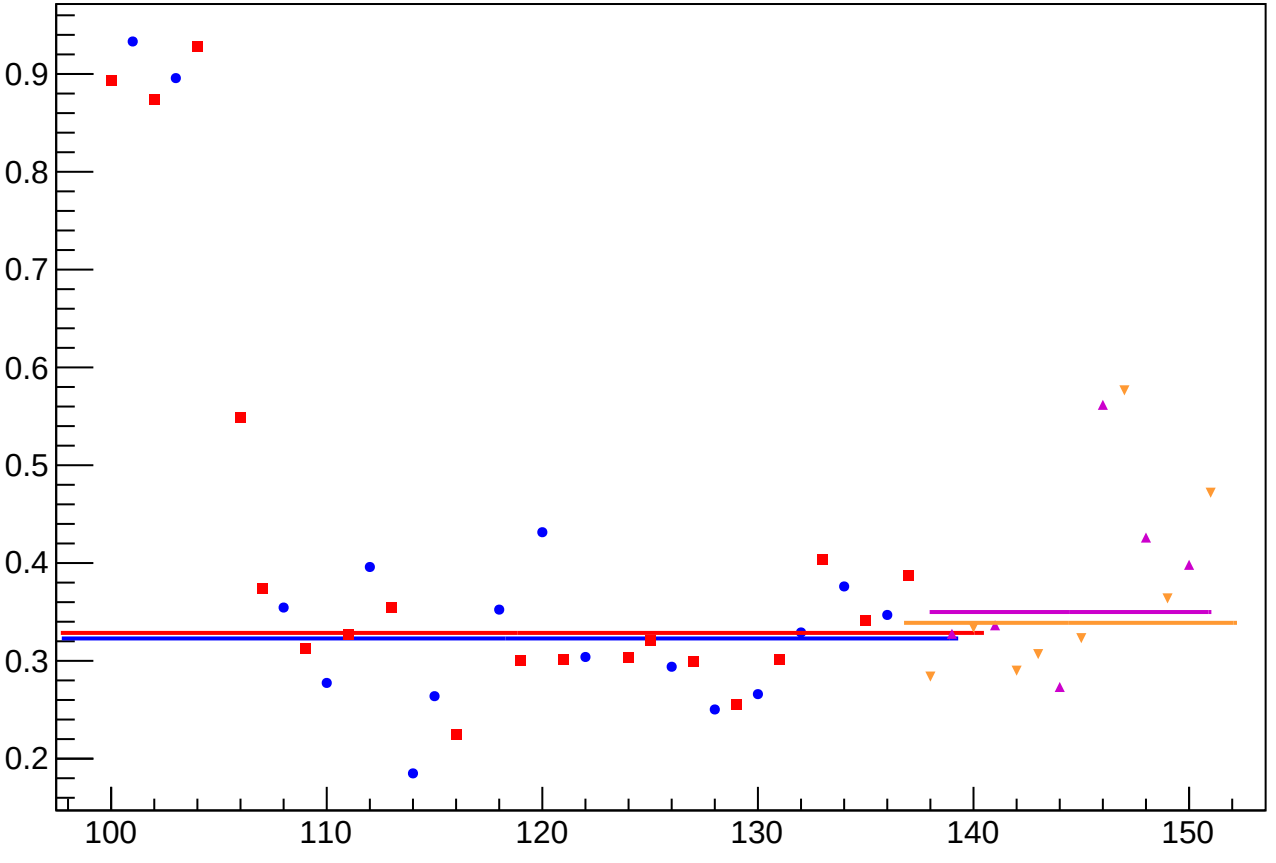
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.805+/-0.000 χ^2/NDF:4097289875.6/21

Out: 146.006+/-0.000 χ^2/NDF:4634516234.9/26

All: 145.910+/-0.000 χ^2/NDF: 8733842901.5

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.339+/-0.000 χ^2/NDF:493448.5/7

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.350+/-0.000 χ^2/NDF:461199.6/5

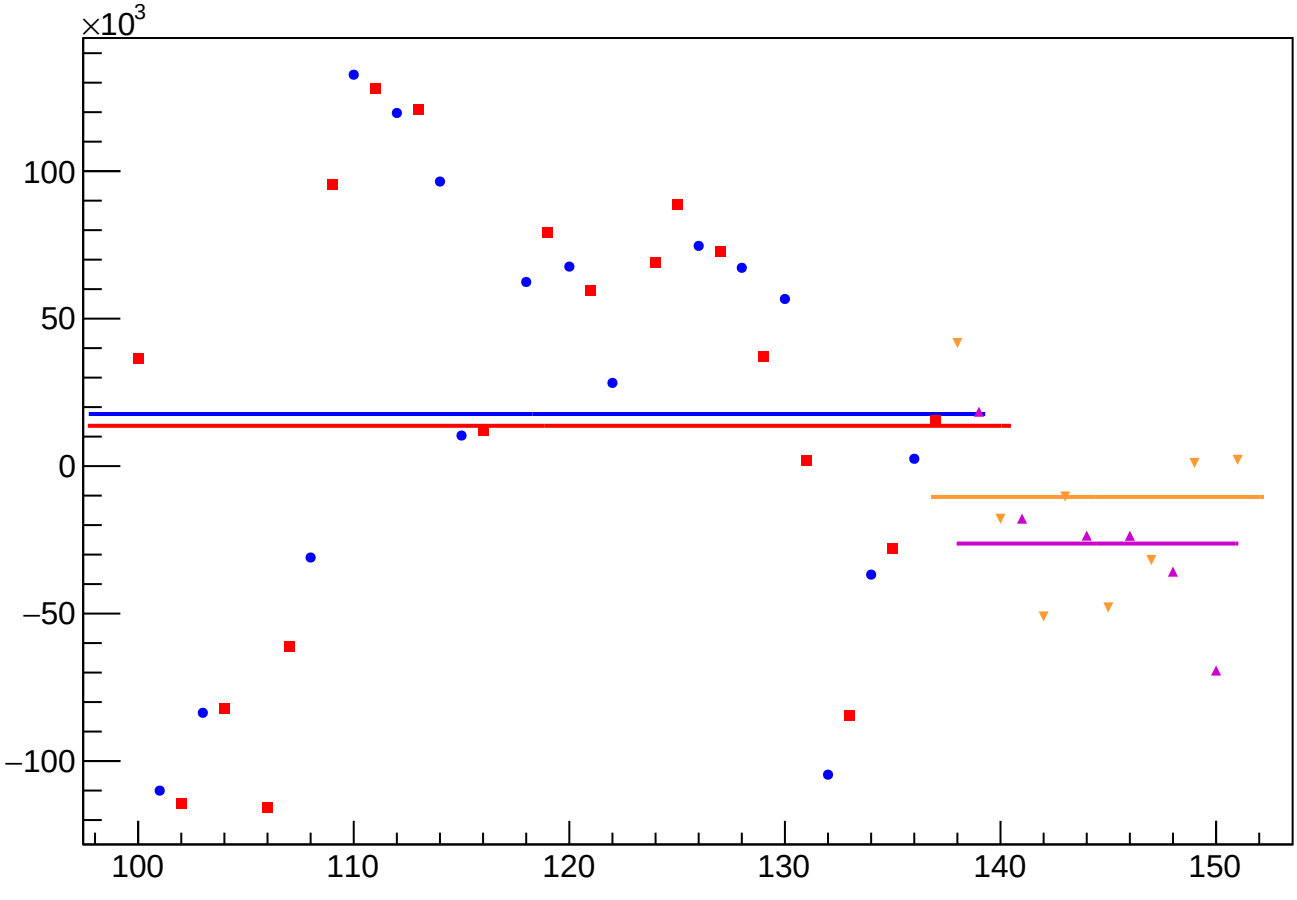
Left: 0.344+/-0.000 χ^2/NDF: 959961.7/13

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.334+/-0.000 χ^2/NDF:1891166.0/21

Out: 0.333+/-0.000 χ^2/NDF:1803169.9/26

All: 0.334+/-0.000 χ^2/NDF: 3694364.8/48



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -10447.498+/-2.047 χ^2/NDF:192009994.5/7

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -26259.815+/-2.248 χ^2/NDF:151907924.7/5

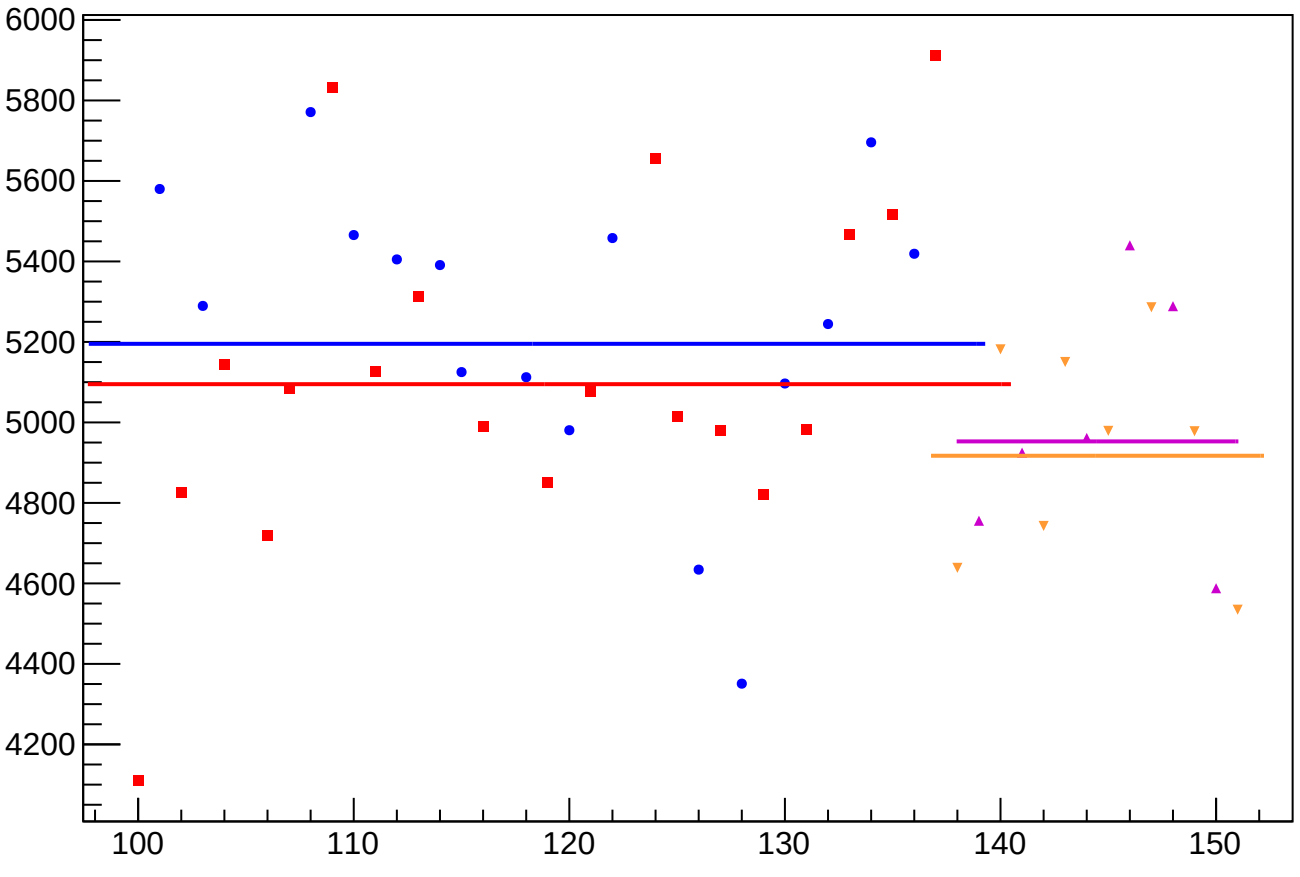
Left: -17616.754+/-1.513 χ^2/NDF: 370970547.8/13

Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -1805.702+/-1.496 χ^2/NDF:1763262801.0/21

Out: 2350.222+/-1.402 χ^2/NDF:2122617036.9/26

All: 407.045+/-1.023 χ^2/NDF: 3889986502.5



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4917.193+/-1.447 χ^2/NDF:33073.8/7

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4952.841+/-1.589 χ^2/NDF:32804.7/5

Left: 4933.356+/-1.070 χ^2/NDF: 66153.4/13

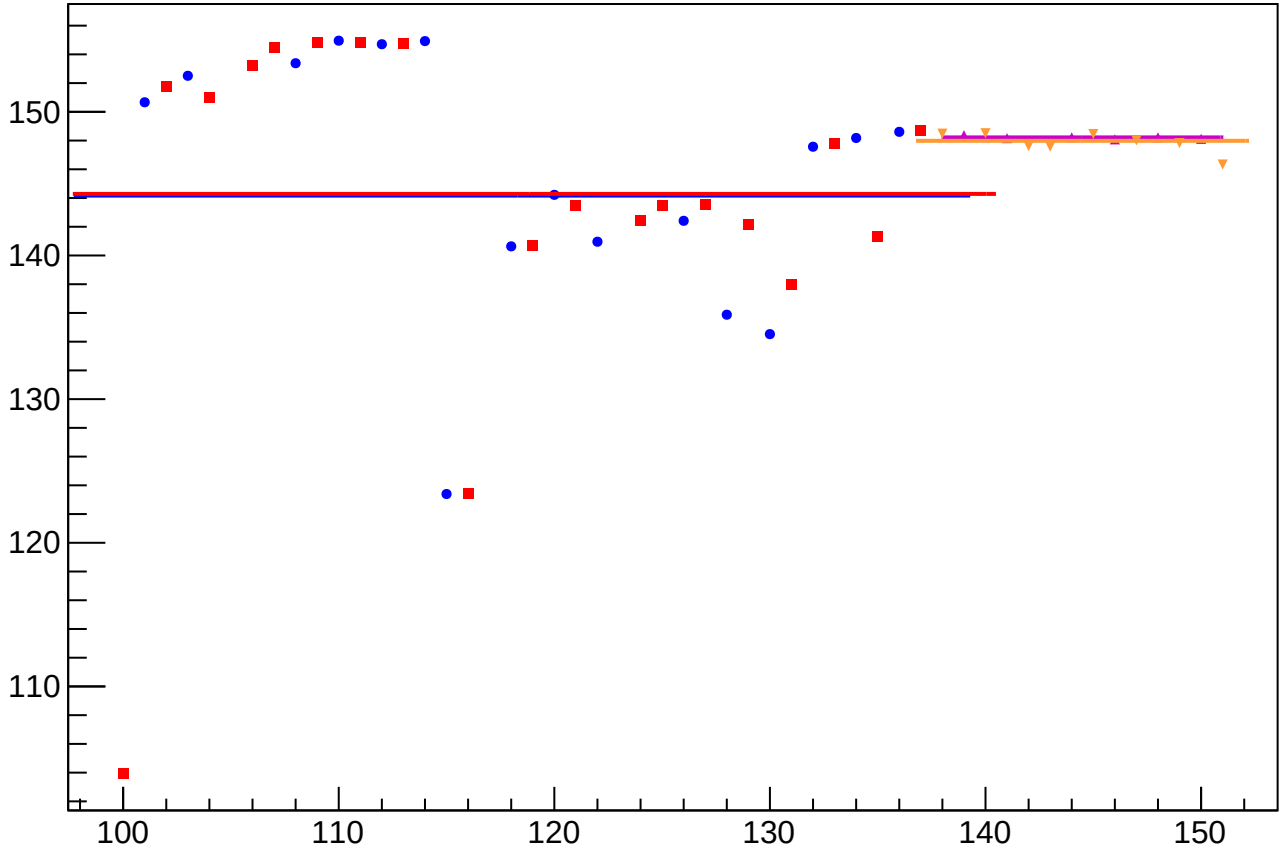
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5087.827+/-1.058 χ^2/NDF:122927.5/21

Out: 5011.584+/-0.992 χ^2/NDF:100198.2/26

All: 5047.233+/-0.724 χ^2/NDF: 225890.1/48

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.983+/-0.000 χ^2/NDF:17755765.7/7

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 148.220+/-0.000 χ^2/NDF:318395.5/5

Left: 148.088+/-0.000 χ^2/NDF: 19305146.9/13

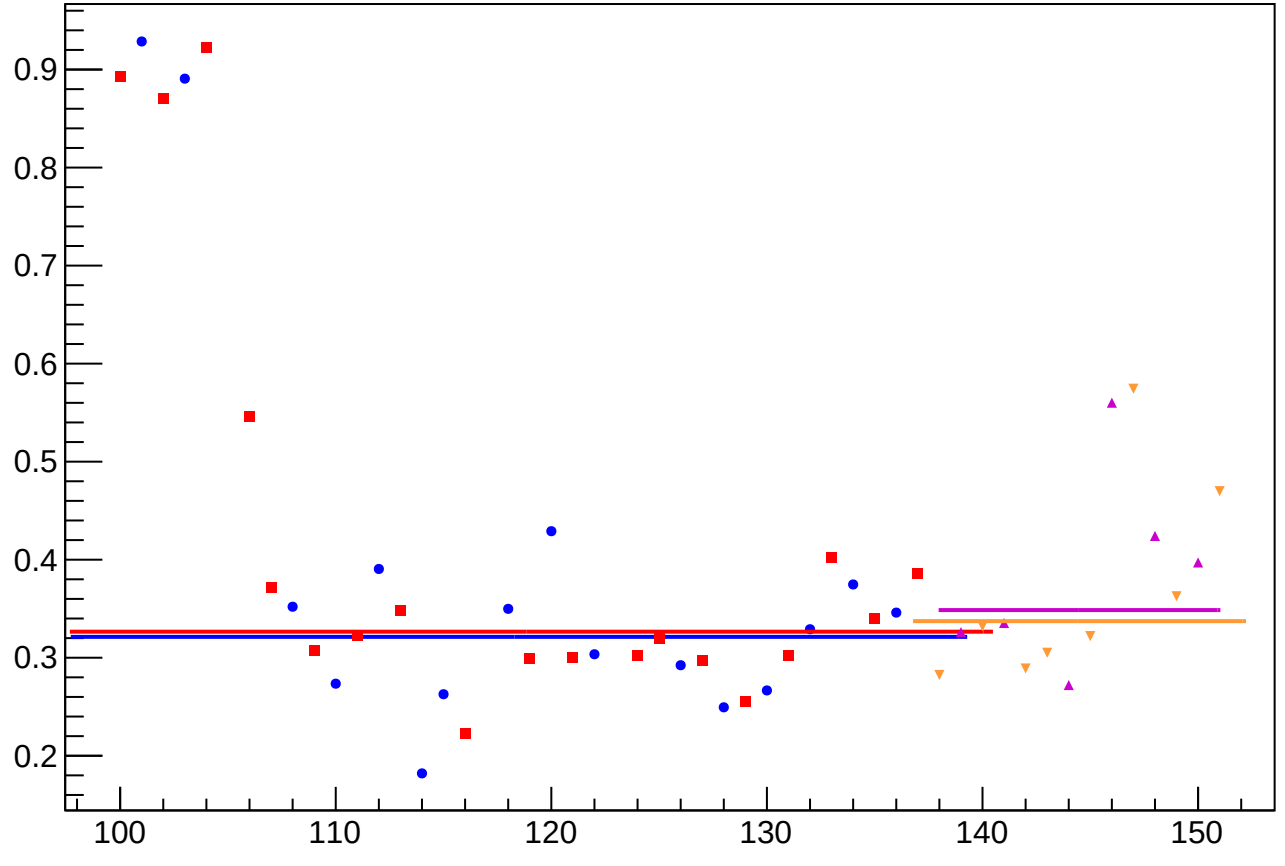
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.817+/-0.000 χ^2/NDF:4149044814.9/21

Out: 146.002+/-0.000 χ^2/NDF:4670347281.0/26

All: 145.914+/-0.000 χ^2/NDF: 8821133407.8

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.337+/-0.000 χ^2/NDF:494922.5/7

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.349+/-0.000 χ^2/NDF:462673.4/5

Left: 0.342+/-0.000 χ^2/NDF: 963201.5/13

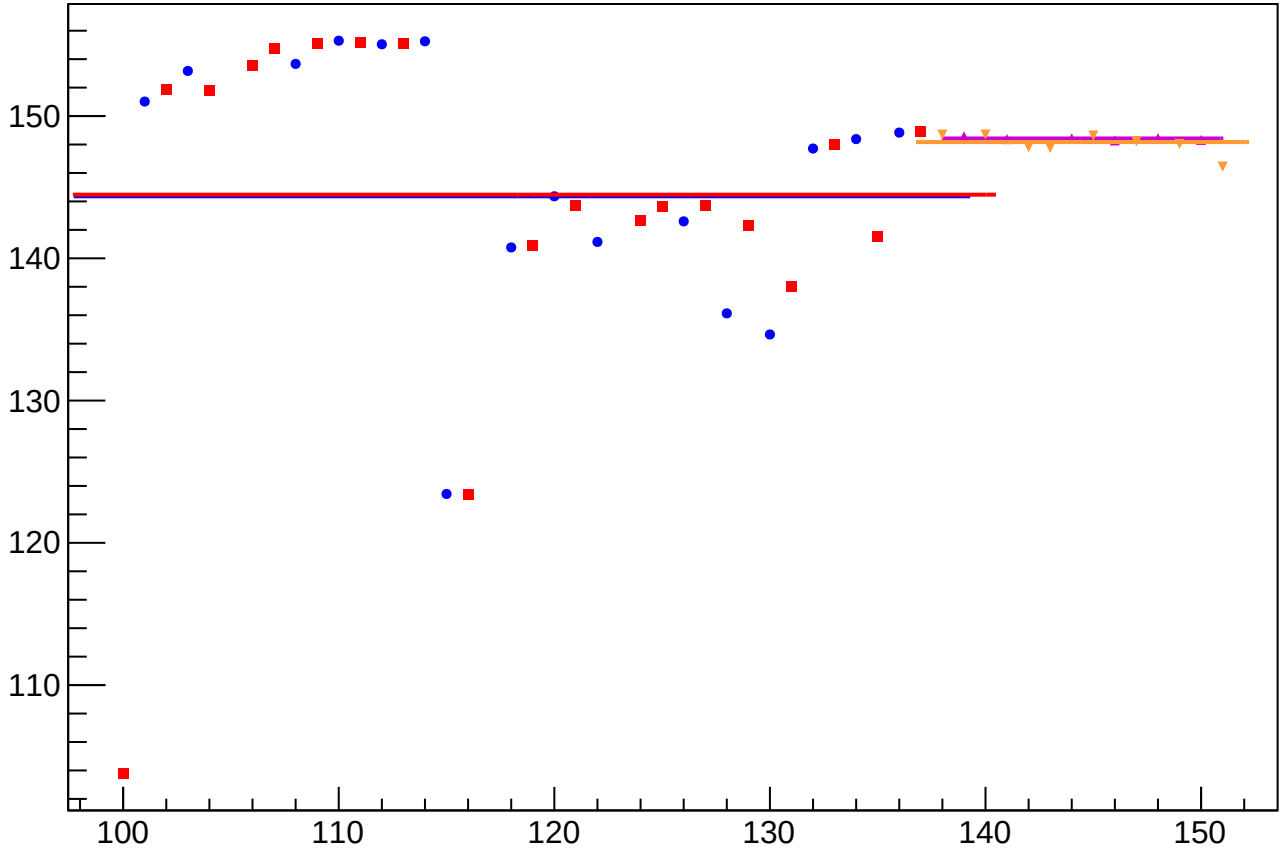
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.332+/-0.000 χ^2/NDF:1893872.1/21

Out: 0.332+/-0.000 χ^2/NDF:1803778.1/26

All: 0.332+/-0.000 χ^2/NDF: 3697722.9/48

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.173+/-0.000 χ^2/NDF:18552086.8/7

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 148.425+/-0.000 χ^2/NDF:303119.8/5

Left: 148.285+/-0.000 χ^2/NDF: 20230187.4/13

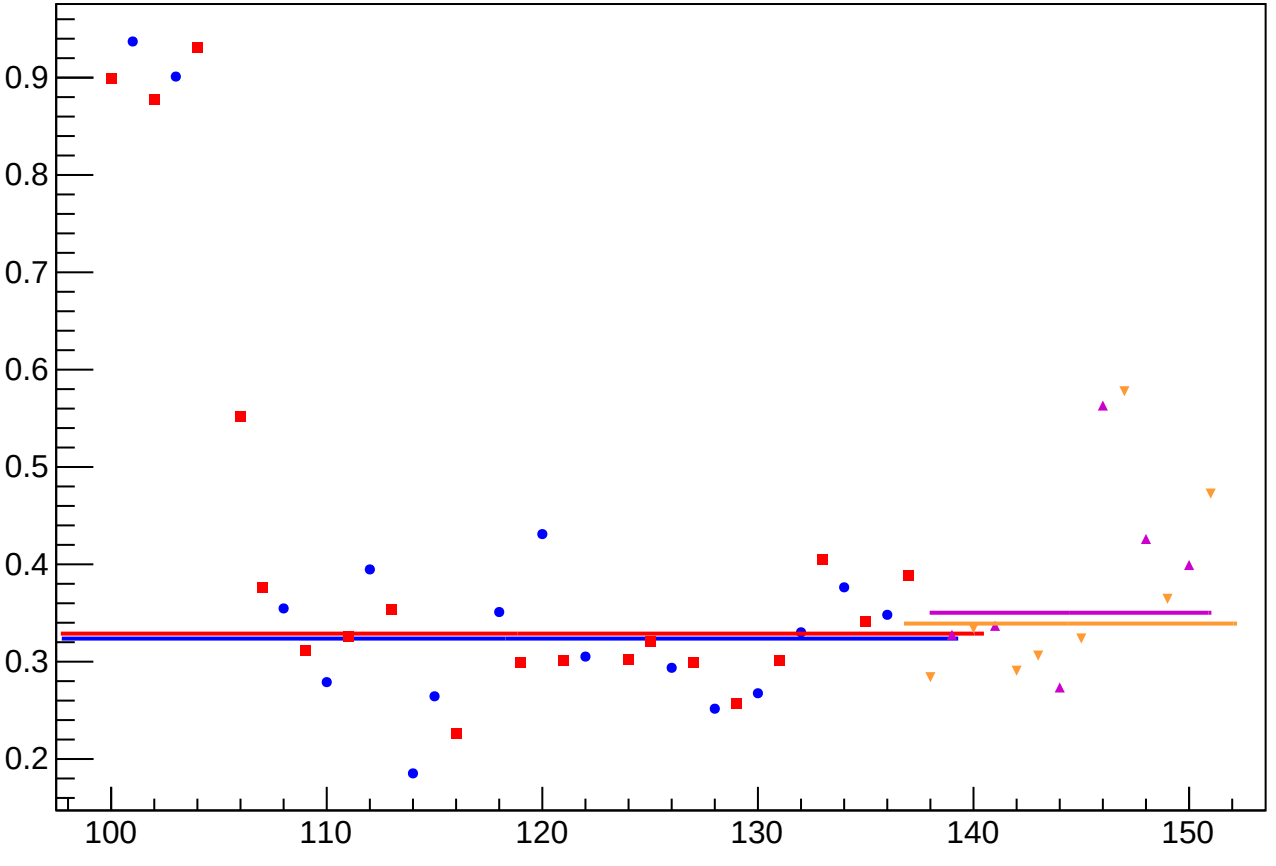
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.017+/-0.000 χ^2/NDF:4141338501.2/21

Out: 146.194+/-0.000 χ^2/NDF:4658912884.8/26

All: 146.110+/-0.000 χ^2/NDF: 8801816841.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.339+/-0.000 χ^2/NDF:495584.2/7

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.350+/-0.000 χ^2/NDF:462825.6/5

Left: 0.344+/-0.000 χ^2/NDF: 963800.9/13

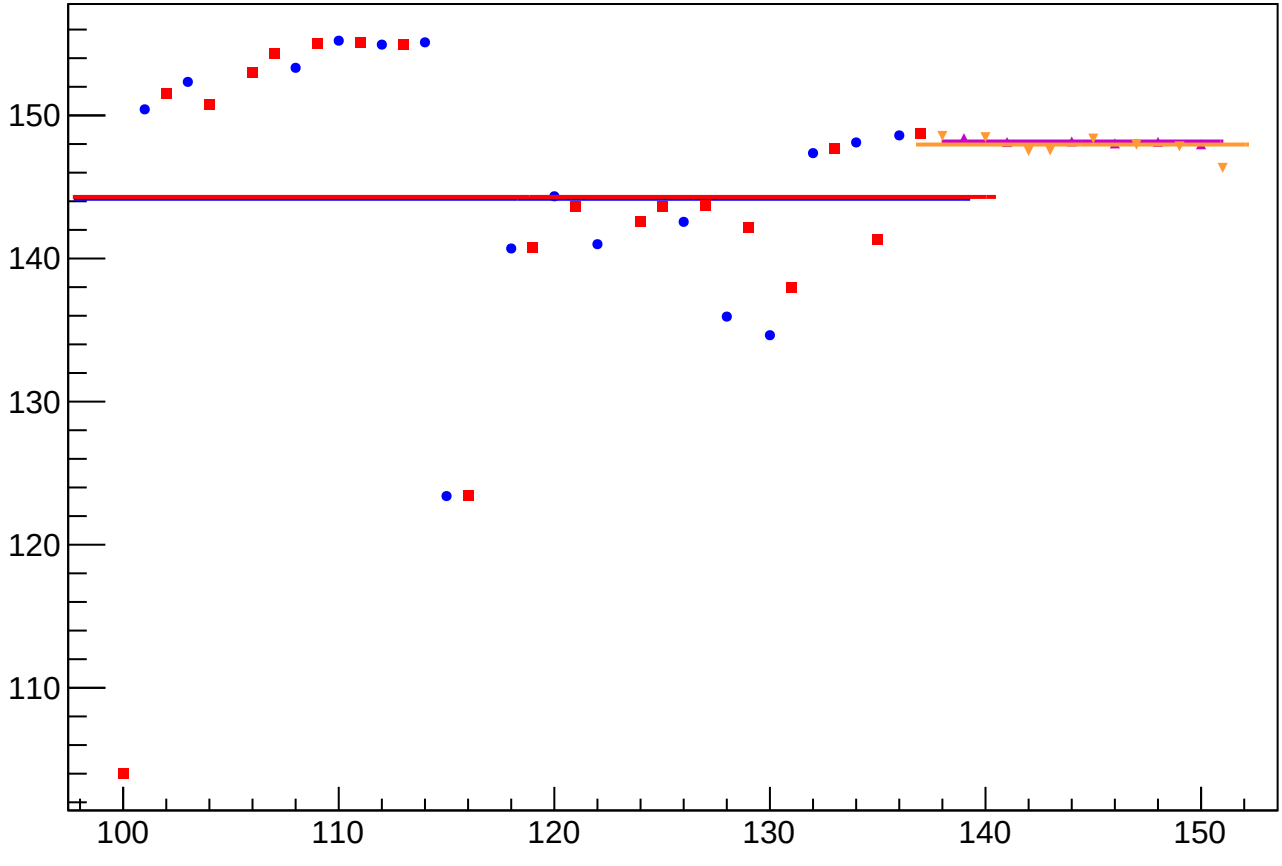
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.335+/-0.000 χ^2/NDF:1887853.8/21

Out: 0.334+/-0.000 χ^2/NDF:1804375.5/26

All: 0.334+/-0.000 χ^2/NDF: 3692315.0/48

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.965+/-0.000 χ^2/NDF:18288178.3/7

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.177+/-0.000 χ^2/NDF:683350.9/5

Left: 148.059+/-0.000 χ^2/NDF: 19944837.9/13

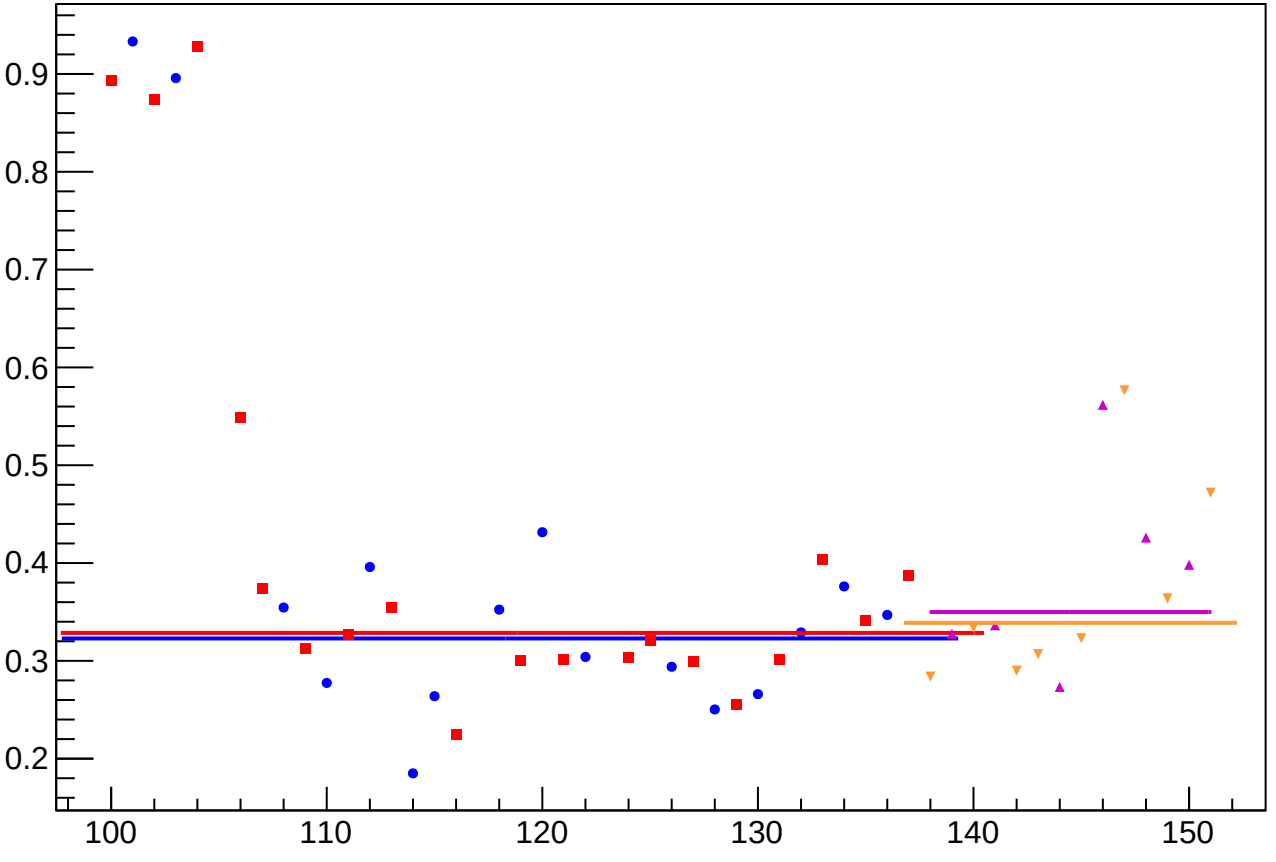
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.805+/-0.000 χ^2/NDF:4097289875.6/21

Out: 146.006+/-0.000 χ^2/NDF:4634516234.9/26

All: 145.910+/-0.000 χ^2/NDF: 8733842901.5

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.339+/-0.000 χ^2/NDF:493448.5/7

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.350+/-0.000 χ^2/NDF:461199.6/5

Left: 0.344+/-0.000 χ^2/NDF: 959961.7/13

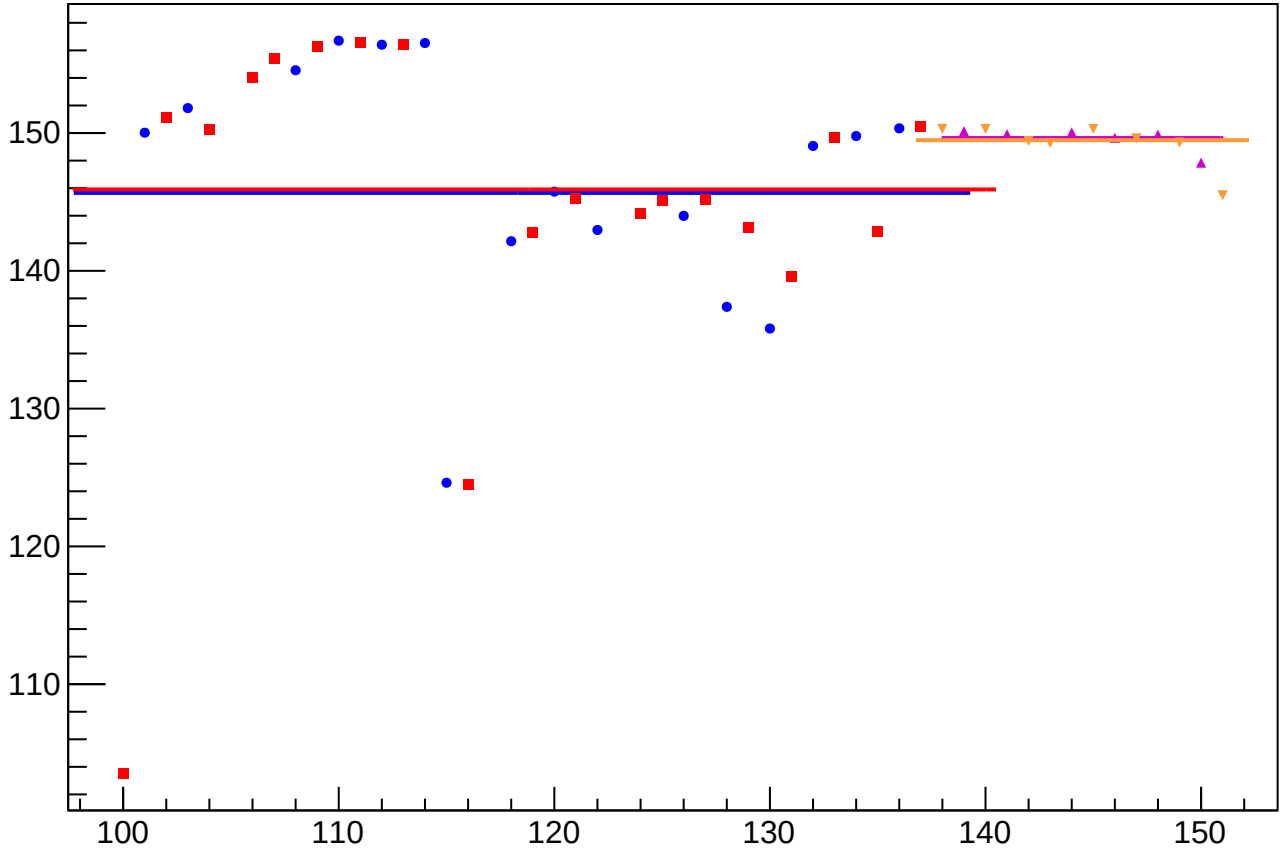
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.334+/-0.000 χ^2/NDF:1891166.0/21

Out: 0.333+/-0.000 χ^2/NDF:1803169.9/26

All: 0.334+/-0.000 χ^2/NDF: 3694364.8/48

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.481+/-0.000 χ^2/NDF:70208291.2/7

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 149.636+/-0.000 χ^2/NDF:21937505.9/5

Left: 149.550+/-0.000 χ^2/NDF: 92604186.0/13

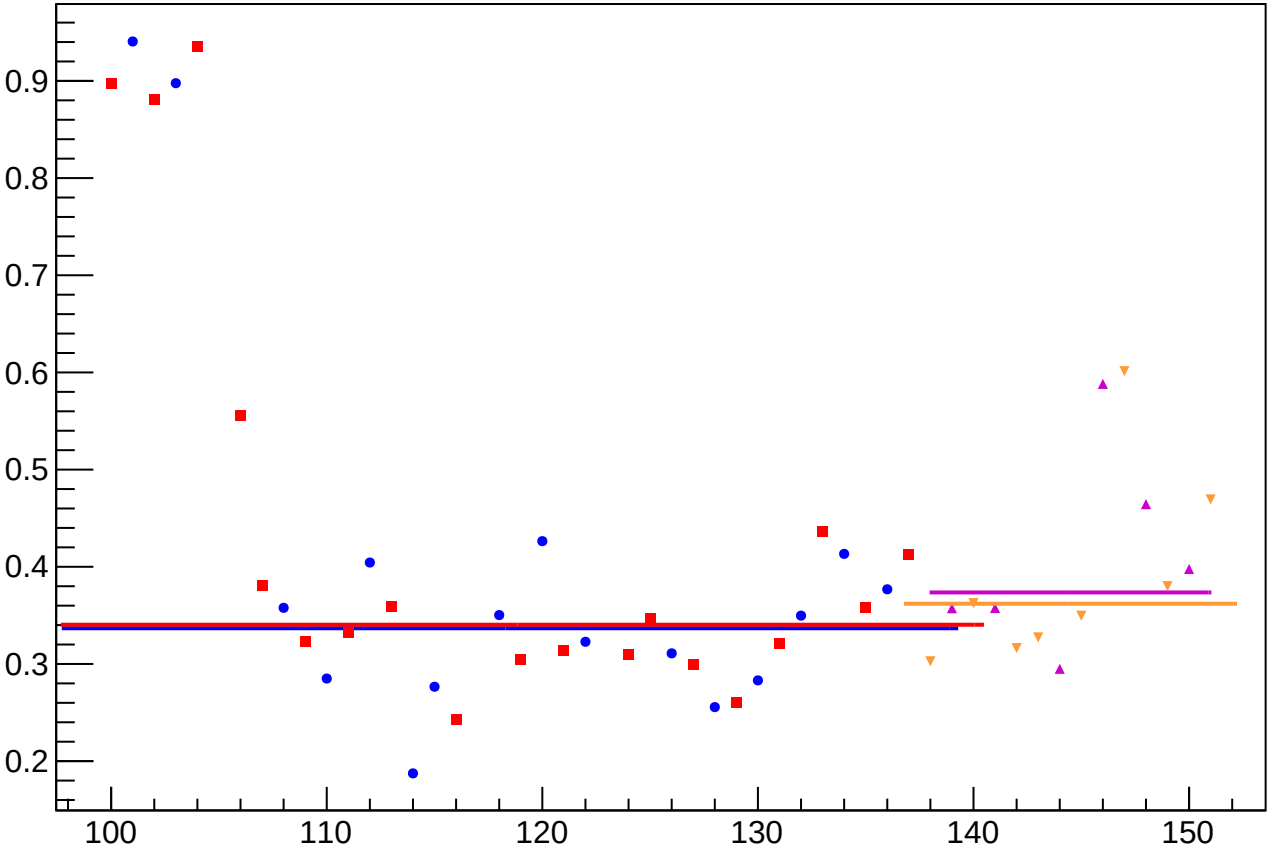
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 147.236+/-0.000 χ^2/NDF:3832937827.4/21

Out: 147.512+/-0.000 χ^2/NDF:4235507989.1/26

All: 147.380+/-0.000 χ^2/NDF: 8071915017.7

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.362+/-0.000 χ^2/NDF:420783.1/7

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.374+/-0.000 χ^2/NDF:418589.2/5

Left: 0.367+/-0.000 χ^2/NDF: 844513.1/13

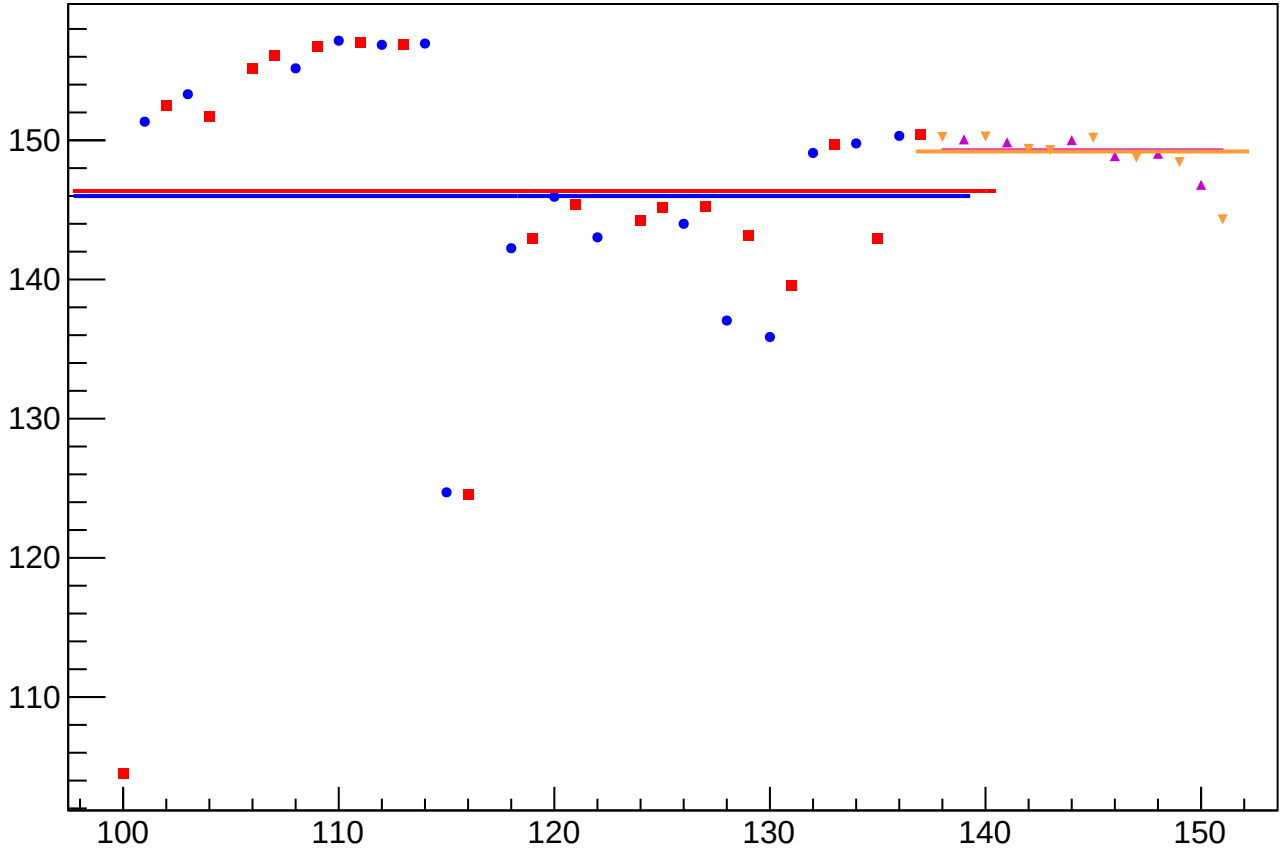
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.351+/-0.000 χ^2/NDF:1845624.4/21

Out: 0.350+/-0.000 χ^2/NDF:1717591.5/26

All: 0.351+/-0.000 χ^2/NDF: 3563362.3/48

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 149.197+/-0.000 χ^2/NDF:109284525.2/7

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 149.275+/-0.000 χ^2/NDF:46390761.7/5

Left: 149.232+/-0.000 χ^2/NDF: 155790002.2/13

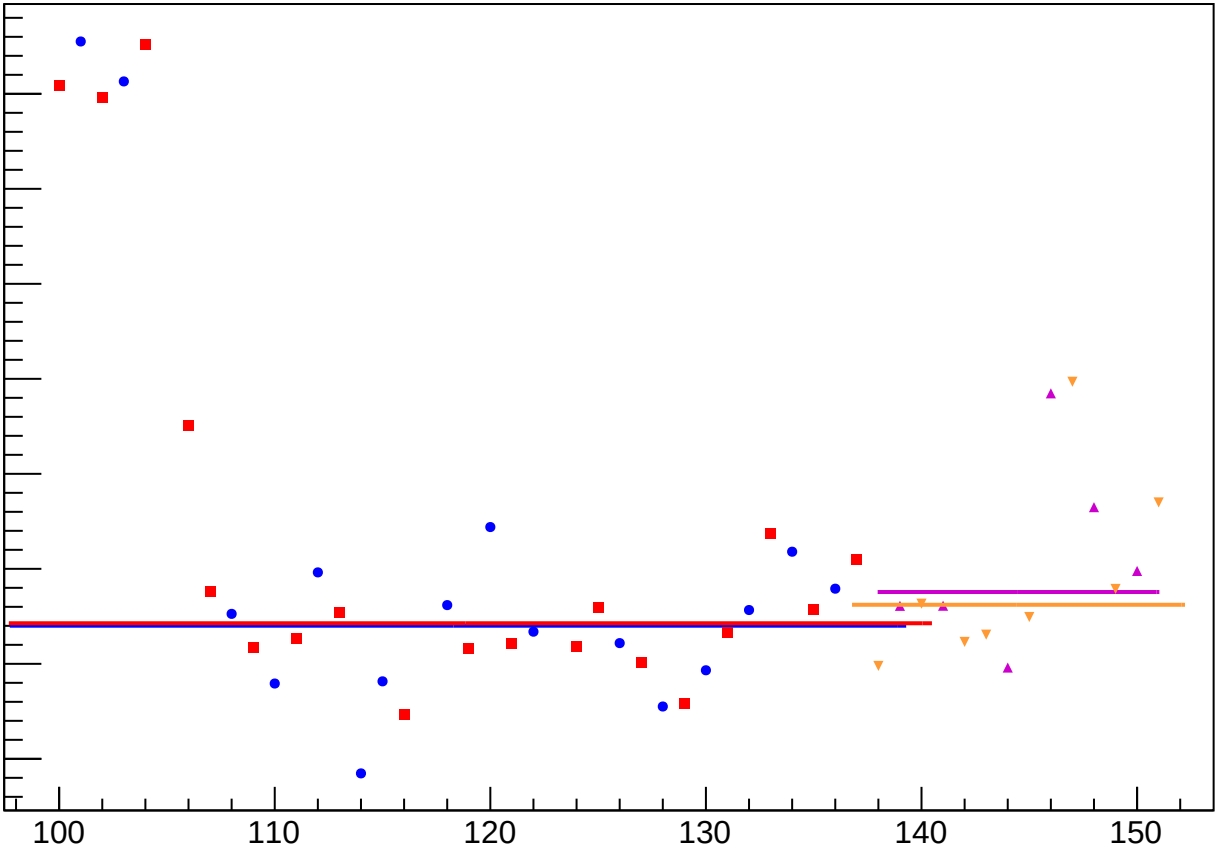
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.304+/-0.000 χ^2/NDF:3888498271.6/21

Out: 147.643+/-0.000 χ^2/NDF:4261008947.3/26

All: 147.482+/-0.000 χ^2/NDF: 8154651681.0

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.362+/-0.000 χ^2/NDF:418165.7/7

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.376+/-0.000 χ^2/NDF:405871.2/5

Left: 0.368+/-0.000 χ^2/NDF: 830881.9/13

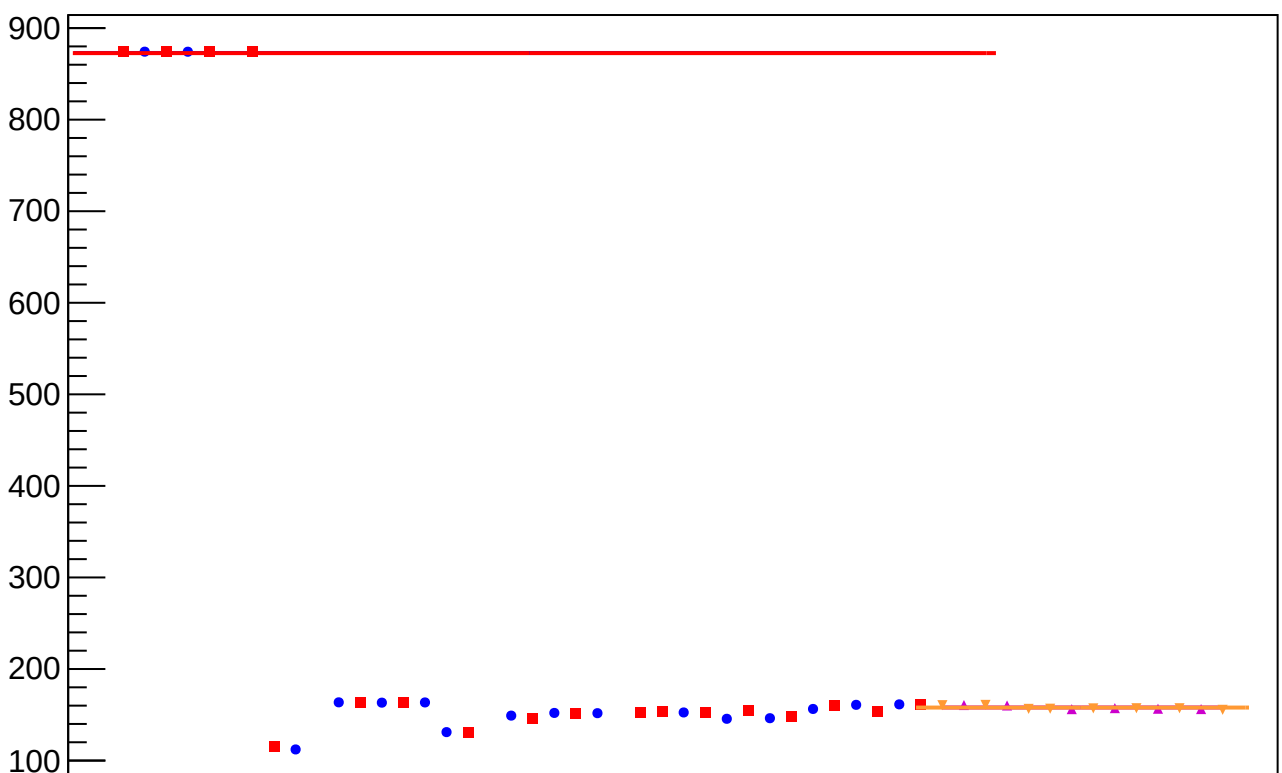
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.354+/-0.000 χ^2/NDF:1850535.2/21

Out: 0.352+/-0.000 χ^2/NDF:1706619.1/26

All: 0.353+/-0.000 χ^2/NDF: 3557857.8/48

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.896+/-0.000 χ^2/NDF:40402732.8/7

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 157.973+/-0.000 χ^2/NDF:31642997.8/5

Left: 157.930+/-0.000 χ^2/NDF: 72072981.2/13

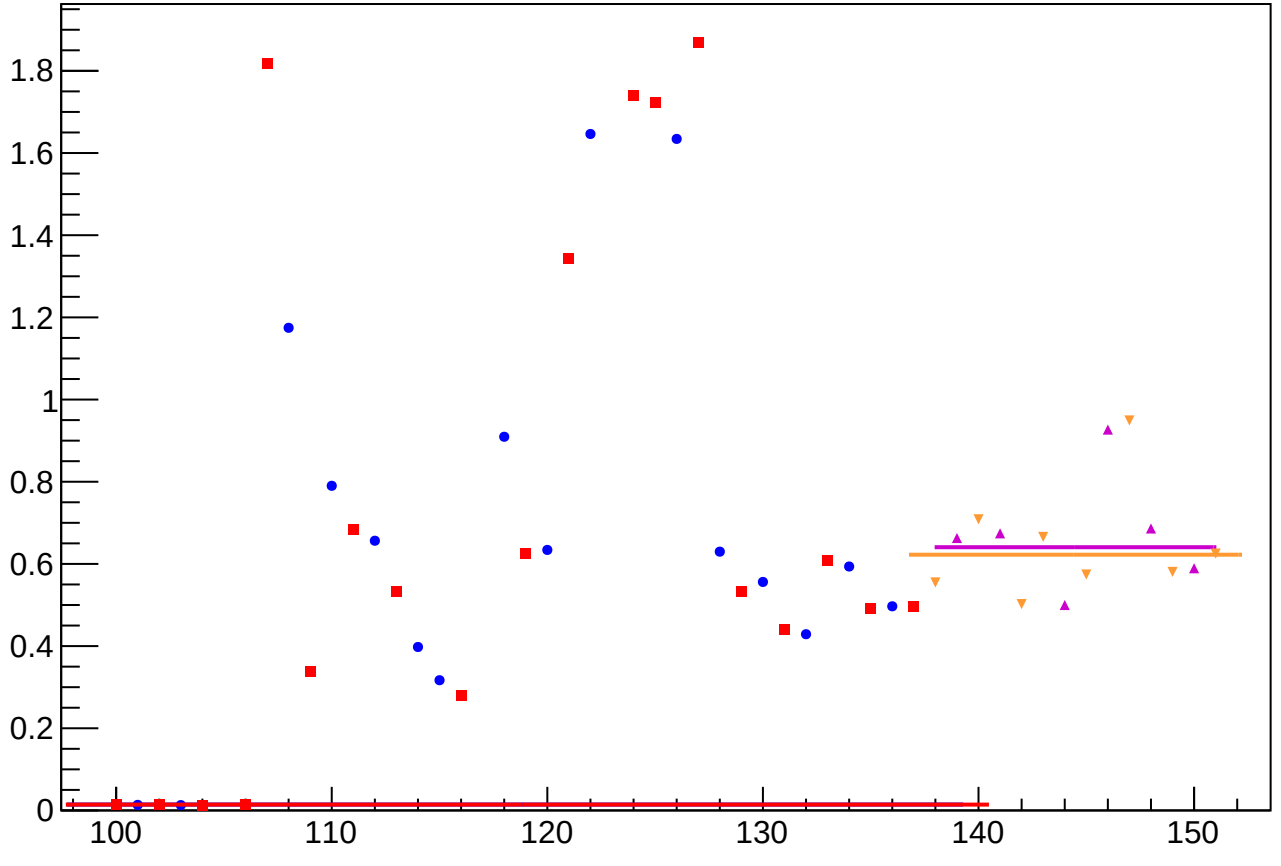
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 872.000+/-0.000 χ^2/NDF:11376562617411.5/2

Out: 871.776+/-0.000 χ^2/NDF:14446183107596.6

All: 871.880+/-0.000 χ^2/NDF: 25822937472

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.622+/-0.000 χ^2/NDF:211137.1/7

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.641+/-0.000 χ^2/NDF:200386.4/5

Left: 0.630+/-0.000 χ^2/NDF: 414570.5/13

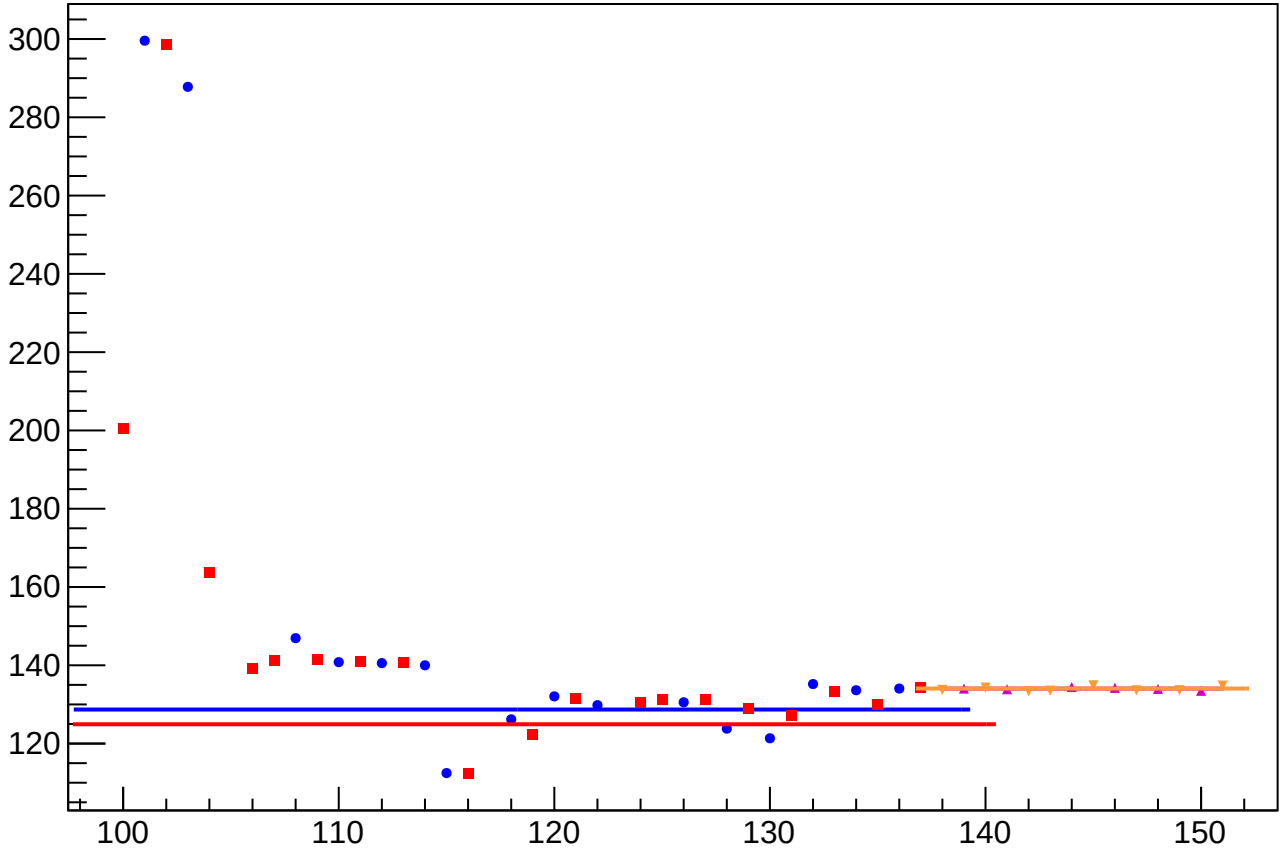
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:16246982.3/21

Out: 0.015+/-0.000 χ^2/NDF:17264282.8/26

All: 0.015+/-0.000 χ^2/NDF: 33511334.7/48

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.068+/-0.000 χ^2/NDF:8801748.5/7

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.050+/-0.000 χ^2/NDF:2021763.5/5

Left: 134.061+/-0.000 χ^2/NDF: 10827032.3/13

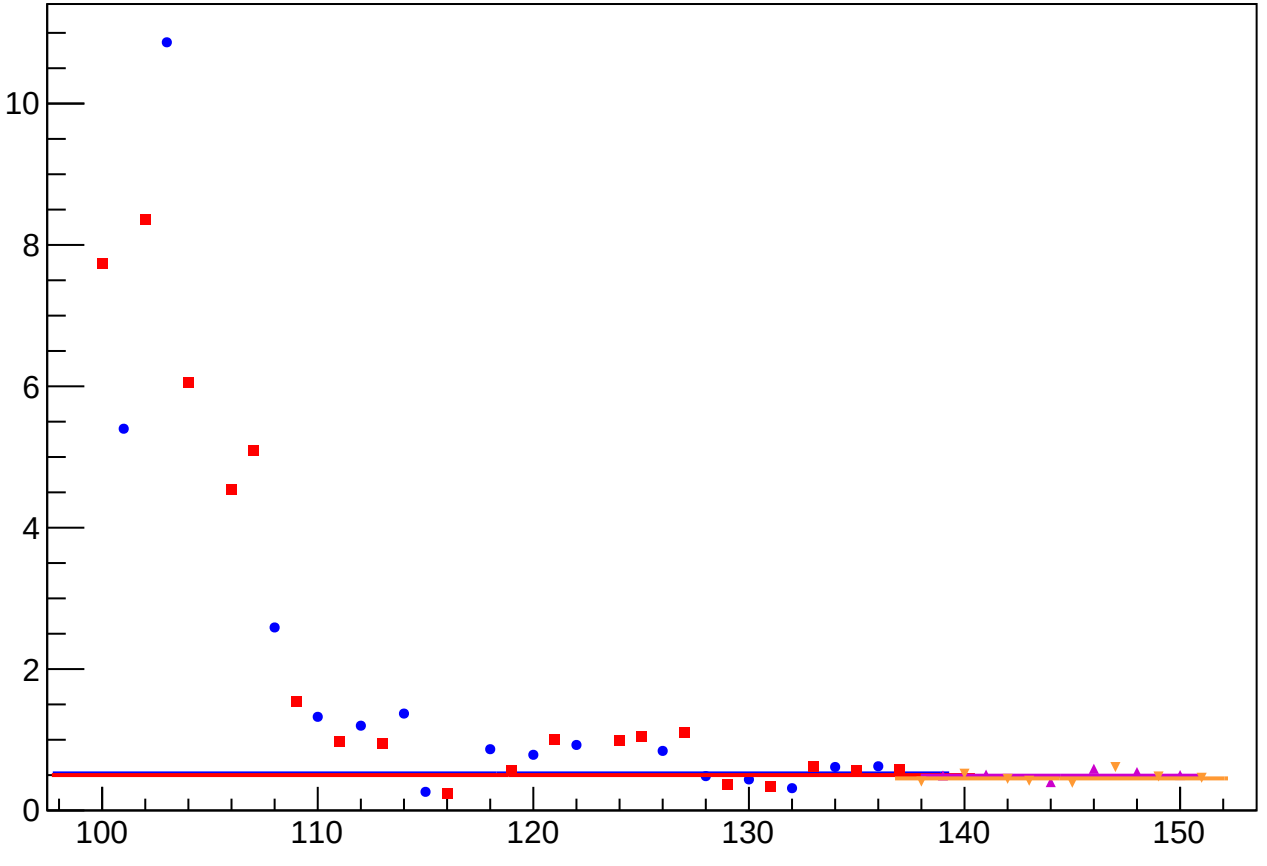
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 131.726+/-0.000 χ^2/NDF:1874490310.2/21

Out: 130.712+/-0.000 χ^2/NDF:2146965564.7/26

All: 131.165+/-0.000 χ^2/NDF: 4038968214.8

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.453+/-0.000 χ^2/NDF:180849.2/7

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.492+/-0.000 χ^2/NDF:142084.8/5

Left: 0.469+/-0.000 χ^2/NDF: 352732.0/13

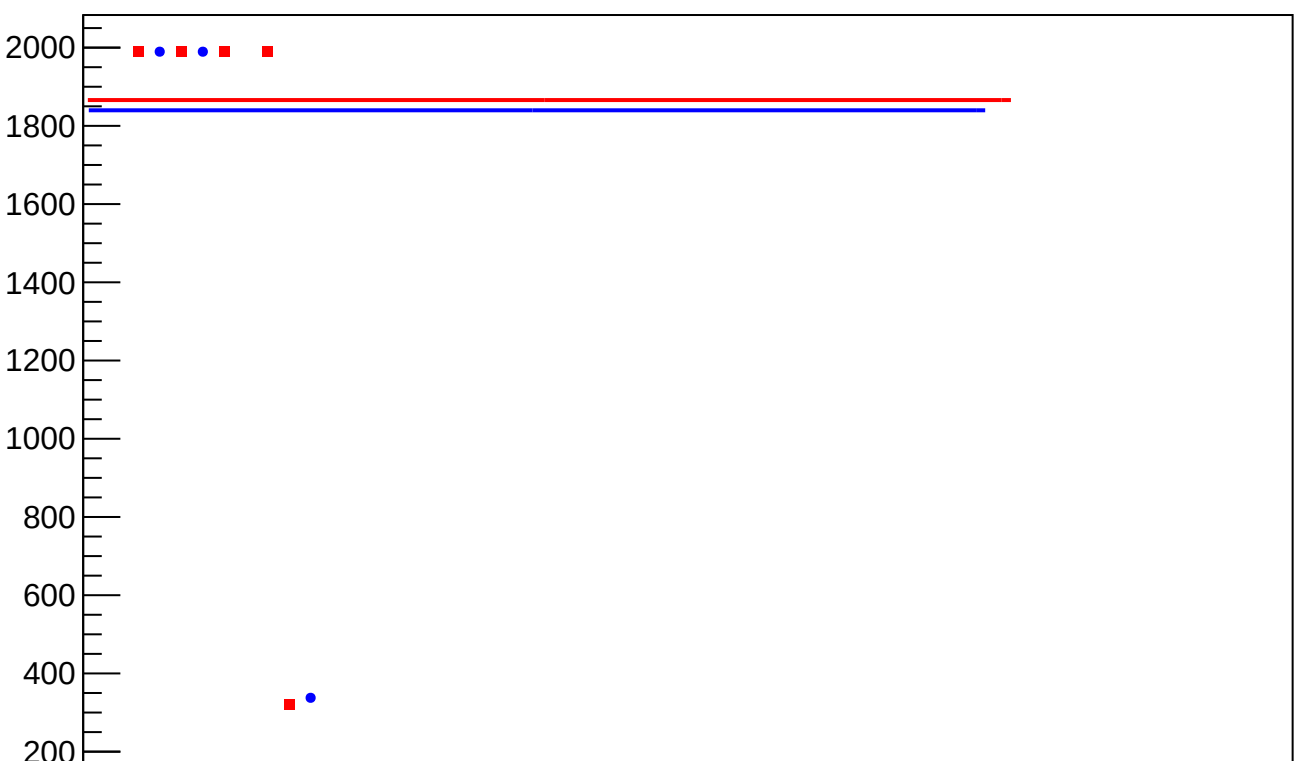
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.506+/-0.000 χ^2/NDF:4296201.5/21

Out: 0.471+/-0.000 χ^2/NDF:5104352.8/26

All: 0.486+/-0.000 χ^2/NDF: 9442479.8/48

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.223+/-0.000 χ^2/NDF:14936468.2/7

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.363+/-0.000 χ^2/NDF:1633226.1/5

Left: 137.285+/-0.000 χ^2/NDF: 16955814.5/13

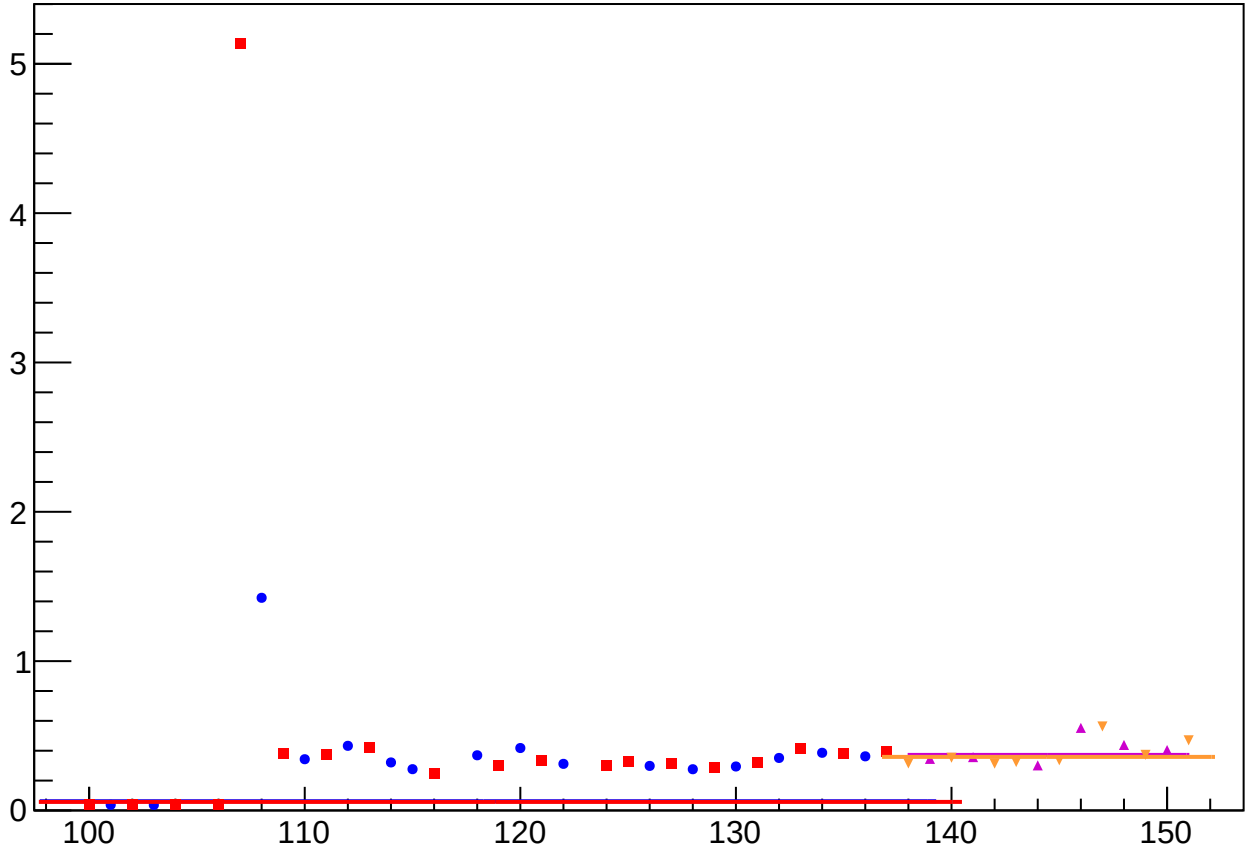
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1740.428+/-0.000 χ^2/NDF:242382412315043.

Out: 1757.559+/-0.000 χ^2/NDF:26757201498953

All: 1749.676+/-0.000 χ^2/NDF: 5100503797

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.359+/-0.000 χ^2/NDF:363463.0/7

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.372+/-0.000 χ^2/NDF:335758.0/5

Left: 0.365+/-0.000 χ^2/NDF: 706189.8/13

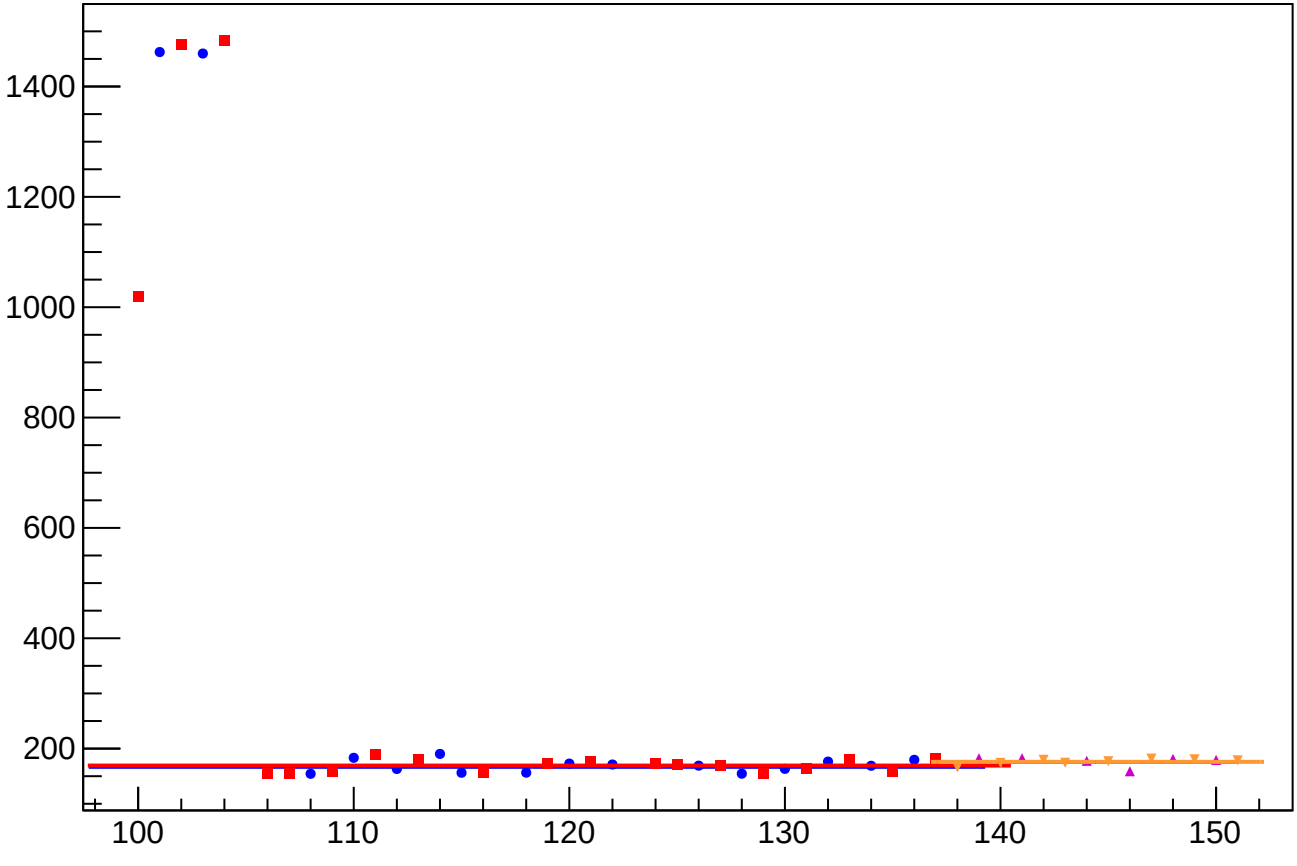
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.080+/-0.000 χ^2/NDF:14914427.6/21

Out: 0.076+/-0.000 χ^2/NDF:15691445.5/26

All: 0.078+/-0.000 χ^2/NDF: 30614769.9/48

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 176.015+/-0.000 χ^2/NDF:139149602.1/7

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 175.743+/-0.000 χ^2/NDF:365073856.5/5

Left: 175.893+/-0.000 χ^2/NDF: 504399877.4/13

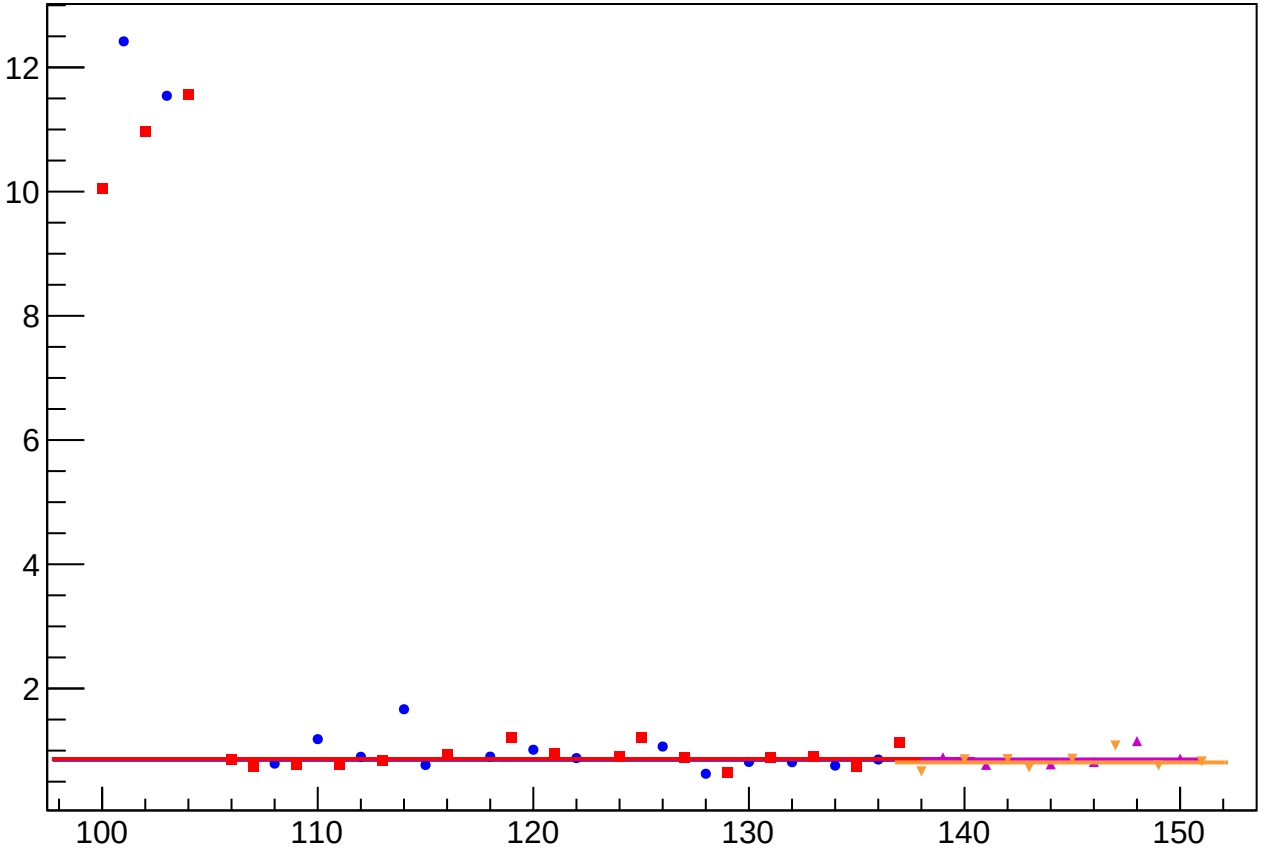
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 170.944+/-0.000 χ^2/NDF:15161528941.0/21

Out: 172.604+/-0.000 χ^2/NDF:16579938208.1/26

All: 171.821+/-0.000 χ^2/NDF: 31755498572.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.810+/-0.000 χ^2/NDF:134700.6/7

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.857+/-0.000 χ^2/NDF:106286.4/5

Left: 0.831+/-0.000 χ^2/NDF: 251780.3/13

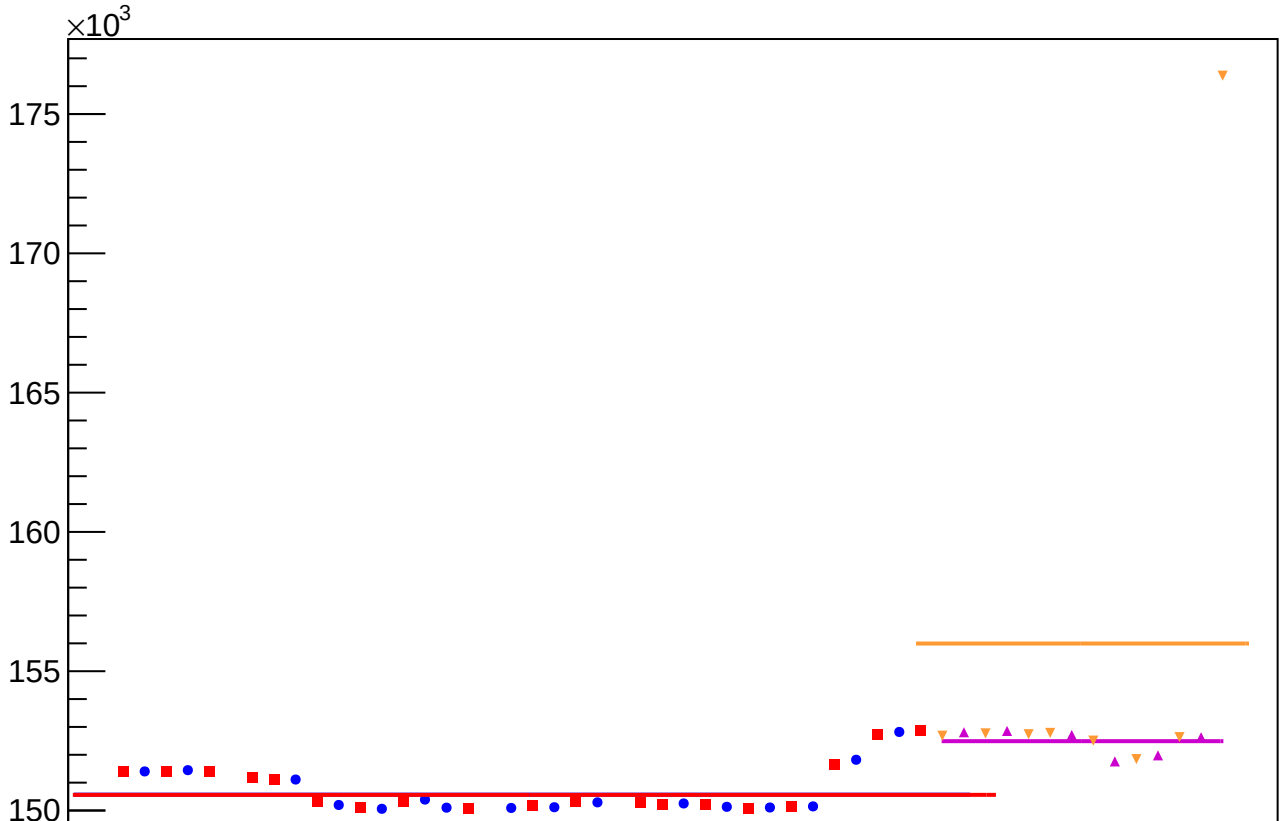
Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.855+/-0.000 χ^2/NDF:2408664.1/21

Out: 0.837+/-0.000 χ^2/NDF:2360084.3/26

All: 0.846+/-0.000 χ^2/NDF: 4771906.7/48

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 155993.916+/-0.071 χ^2/NDF:13933218406.8/7

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152488.696+/-0.080 χ^2/NDF:27152182.9/5

Left: 154443.416+/-0.053 χ^2/NDF: 15039987408.9

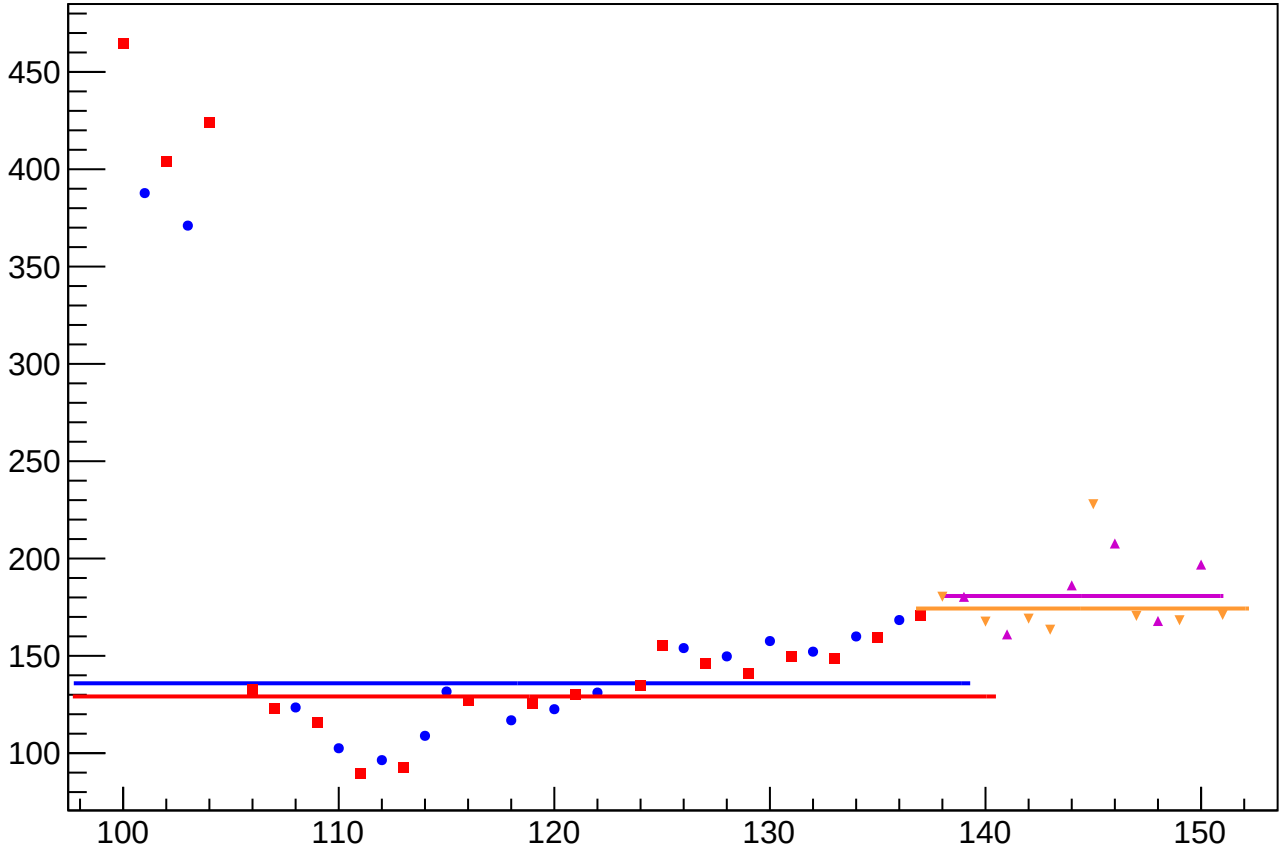
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 151182.463+/-0.045 χ^2/NDF:659496560.1/21

Out: 152411.367+/-0.041 χ^2/NDF:17996668250.8/

All: 151848.588+/-0.030 χ^2/NDF: 19059636

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.314+/-0.050 χ^2/NDF:104939.5/7

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.751+/-0.056 χ^2/NDF:78697.0/5

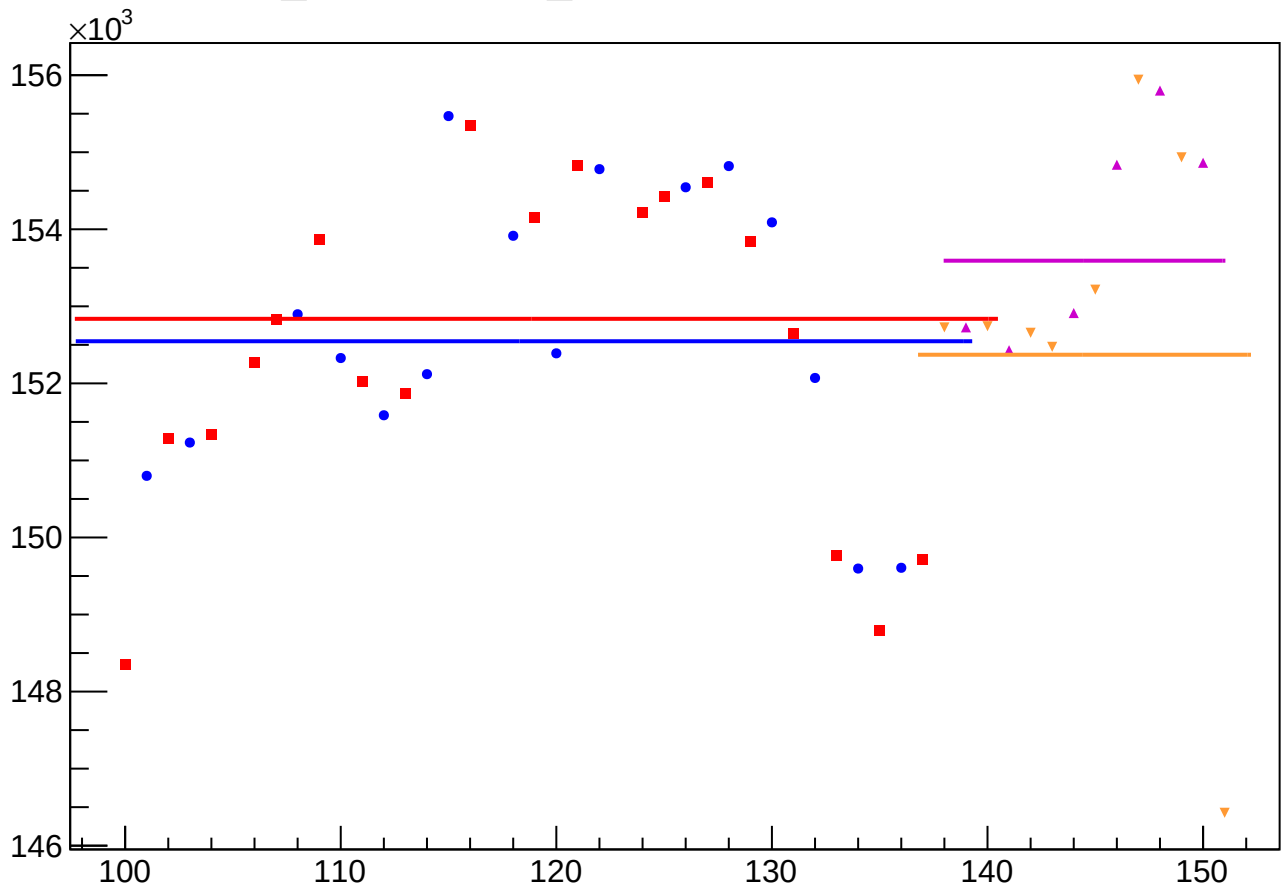
Left: 177.161+/-0.037 χ^2/NDF: 190918.7/13

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 150.236+/-0.032 χ^2/NDF:1926380.0/21

Out: 144.516+/-0.029 χ^2/NDF:2254165.6/26

All: 147.135+/-0.022 χ^2/NDF: 4198028.7/48



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152371.796+/-0.080 χ^2/NDF:1012462009.5/7

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 153592.305+/-0.092 χ^2/NDF:175277289.0/5

Left: 152897.043+/-0.061 χ^2/NDF: 1287341784.1/1

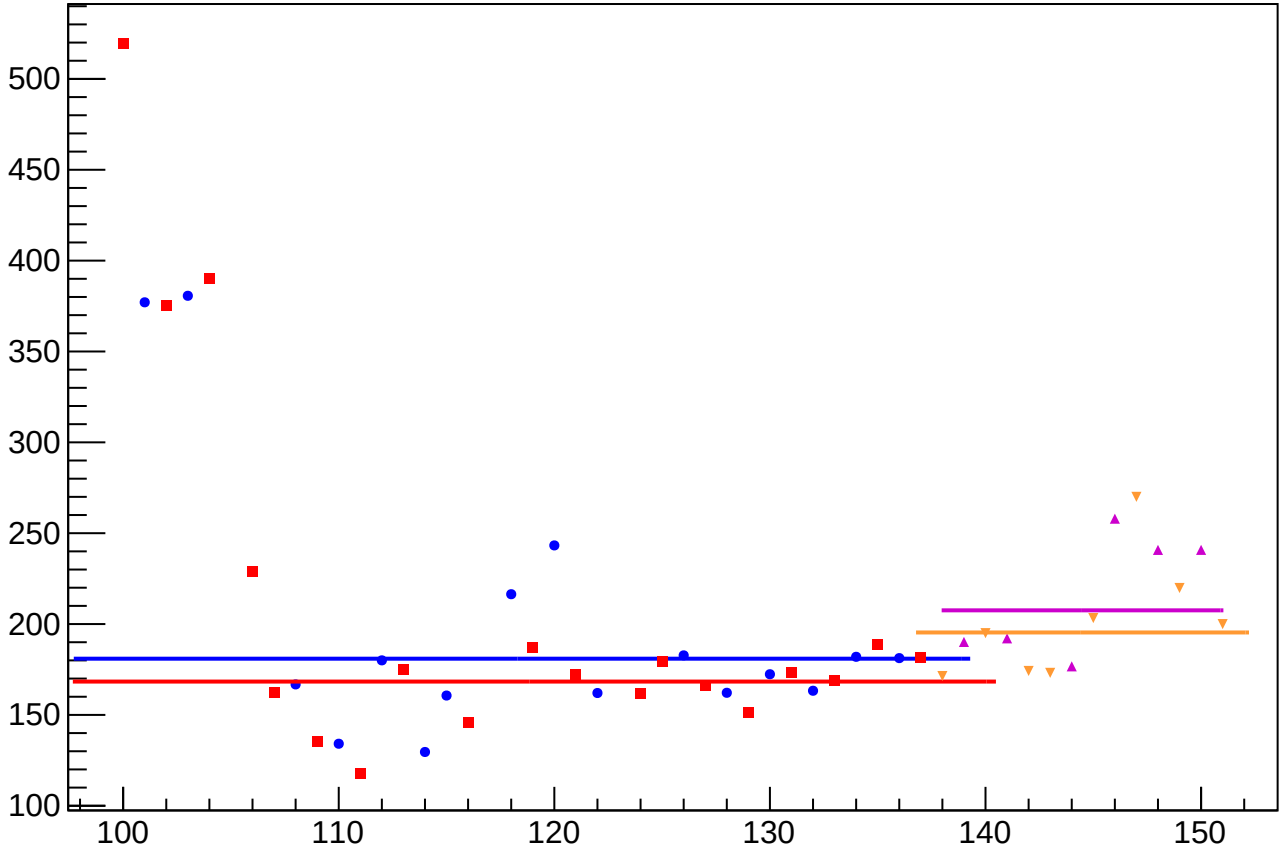
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152946.564+/-0.057 χ^2/NDF:909054141.4/21

Out: 152647.526+/-0.051 χ^2/NDF:1769336500.6/2

All: 152781.082+/-0.038 χ^2/NDF: 26935837

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.372+/-0.057 χ^2/NDF:217147.7/7

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 207.548+/-0.065 χ^2/NDF:210688.8/5

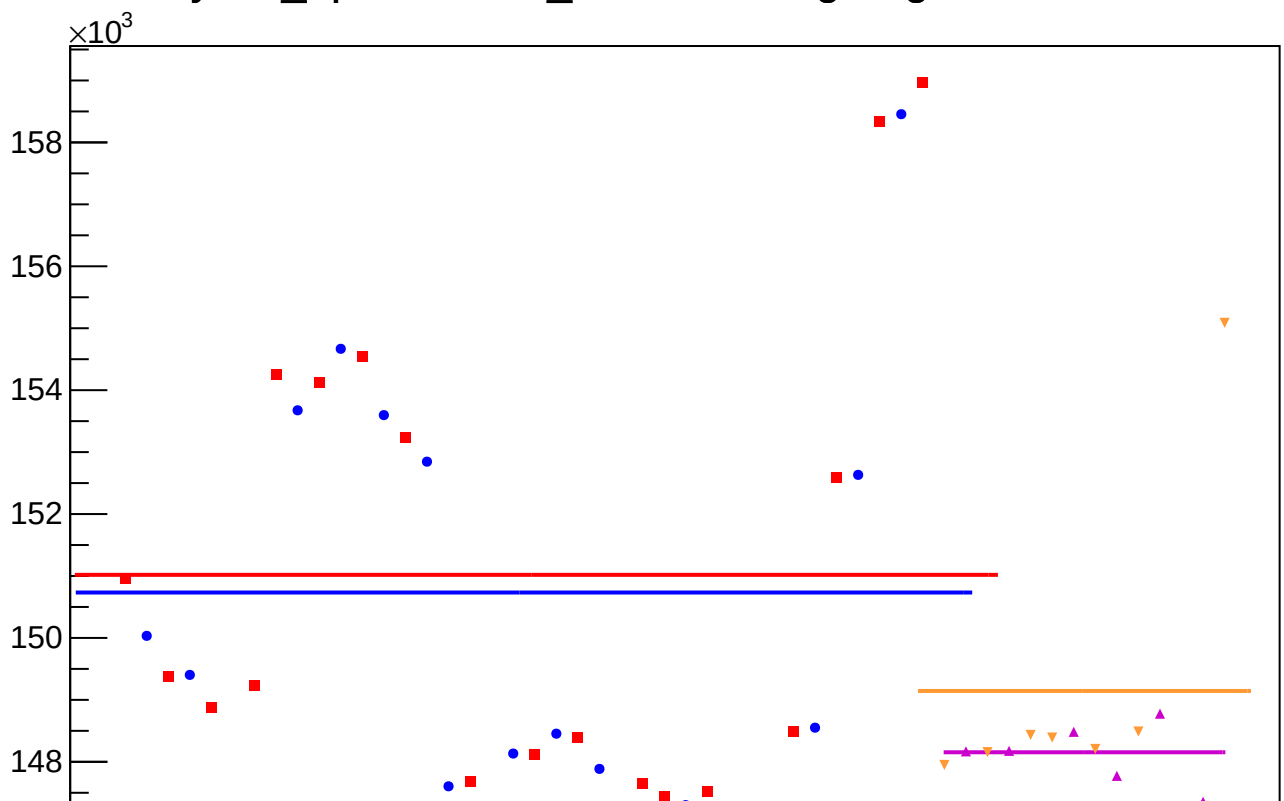
Left: 200.612+/-0.043 χ^2/NDF: 447663.2/13

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 191.112+/-0.040 χ^2/NDF:1221123.8/21

Out: 179.386+/-0.036 χ^2/NDF:1440475.3/26

All: 184.623+/-0.027 χ^2/NDF: 2708319.0/48



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 149143.964+/-0.078 χ^2/NDF:1013935408.6/7

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 148154.207+/-0.089 χ^2/NDF:21436911.0/5

Left: 148713.166+/-0.059 χ^2/NDF: 1104726550.2/1

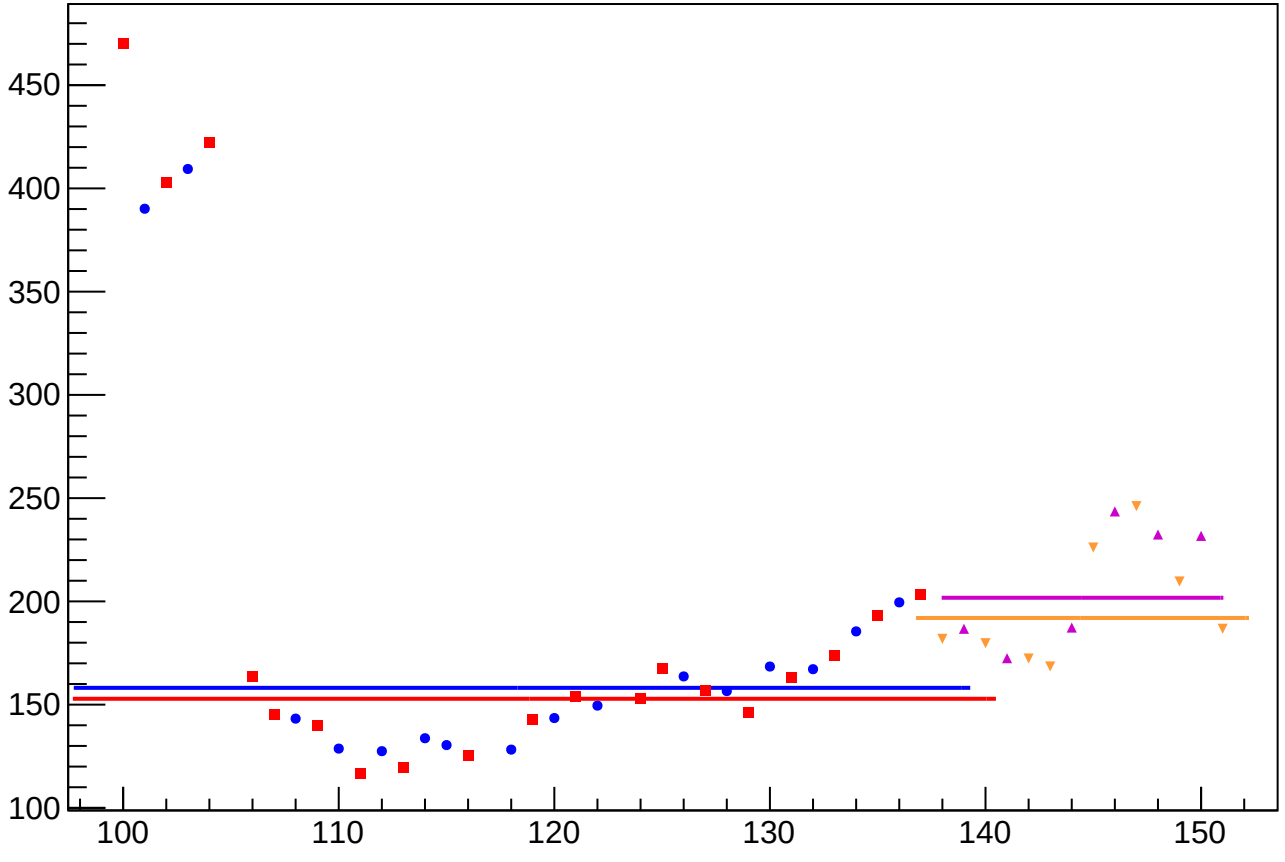
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 149878.245+/-0.051 χ^2/NDF:3862700746.7/21

Out: 150325.407+/-0.048 χ^2/NDF:4660294452.7/2

All: 150118.715+/-0.035 χ^2/NDF: 85636546

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 191.974+/-0.055 χ^2/NDF:183351.9/7

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 201.761+/-0.063 χ^2/NDF:182075.0/5

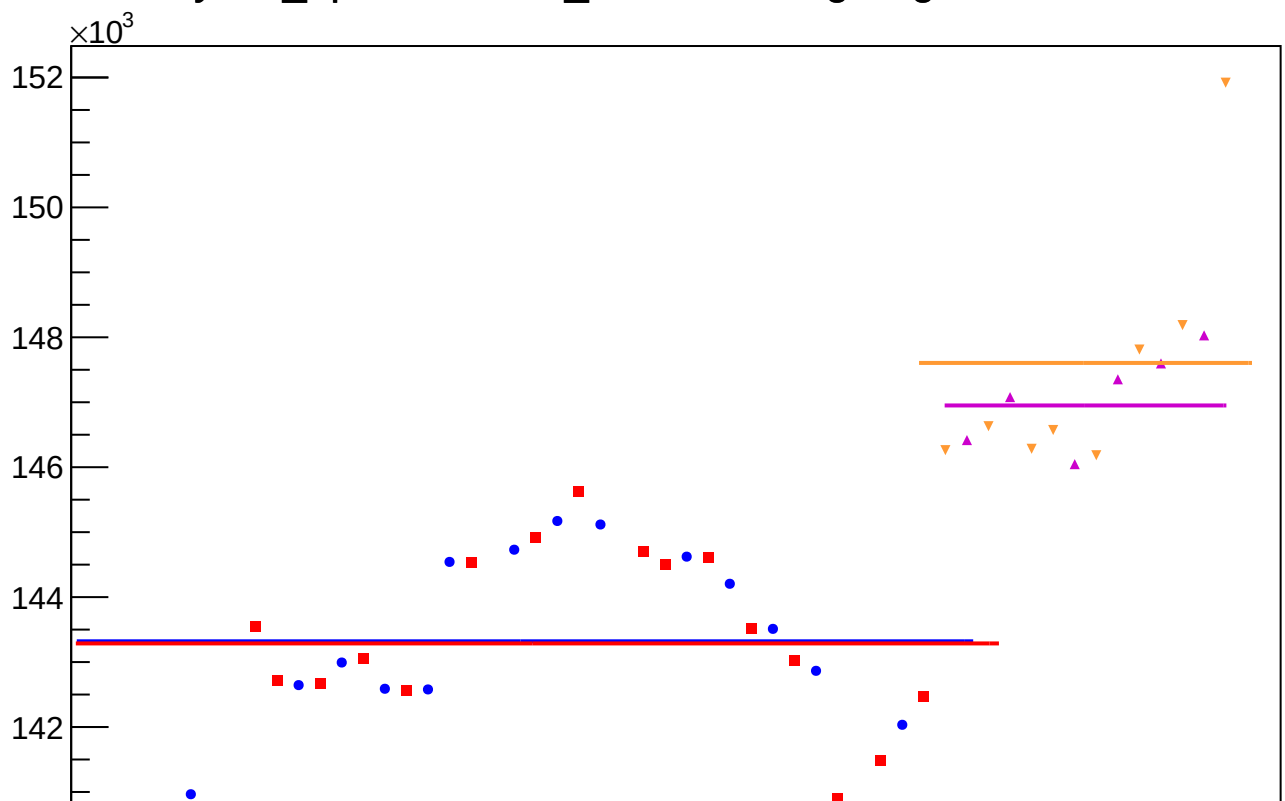
Left: 196.234+/-0.042 χ^2/NDF: 378989.3/13

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 172.600+/-0.036 χ^2/NDF:1696713.1/21

Out: 167.310+/-0.034 χ^2/NDF:1761568.8/26

All: 169.755+/-0.025 χ^2/NDF: 3469663.4/48



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147605.483+/-0.078 χ^2/NDF:655441269.7/7

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 146950.726+/-0.089 χ^2/NDF:55715968.7/5

Left: 147322.922+/-0.059 χ^2/NDF: 741870545.1/13

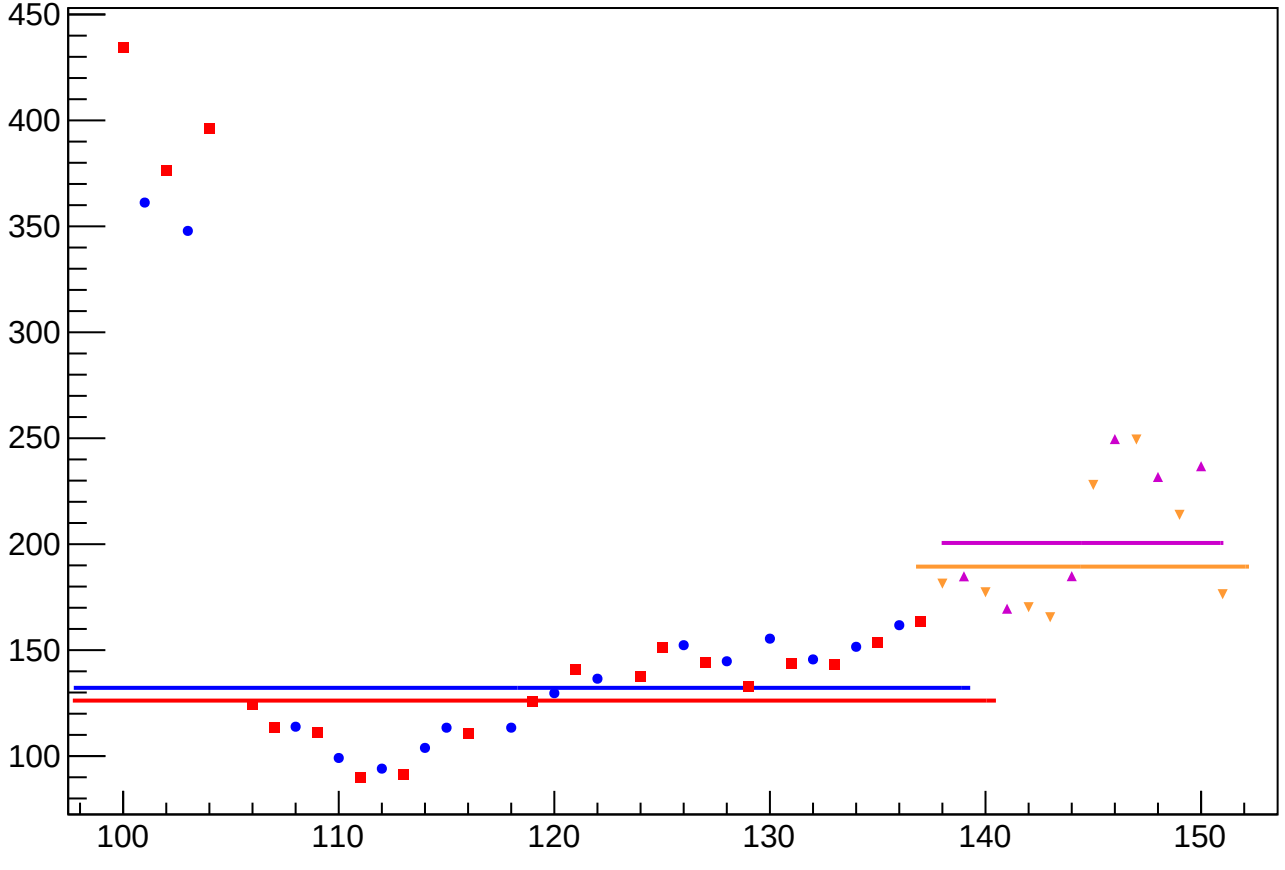
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 144272.312+/-0.046 χ^2/NDF:1840726658.2/21

Out: 144543.074+/-0.042 χ^2/NDF:3471456422.4/2

All: 144419.334+/-0.031 χ^2/NDF: 53313053

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 189.420+/-0.055 χ^2/NDF:225476.3/7

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 200.584+/-0.063 χ^2/NDF:222113.2/5

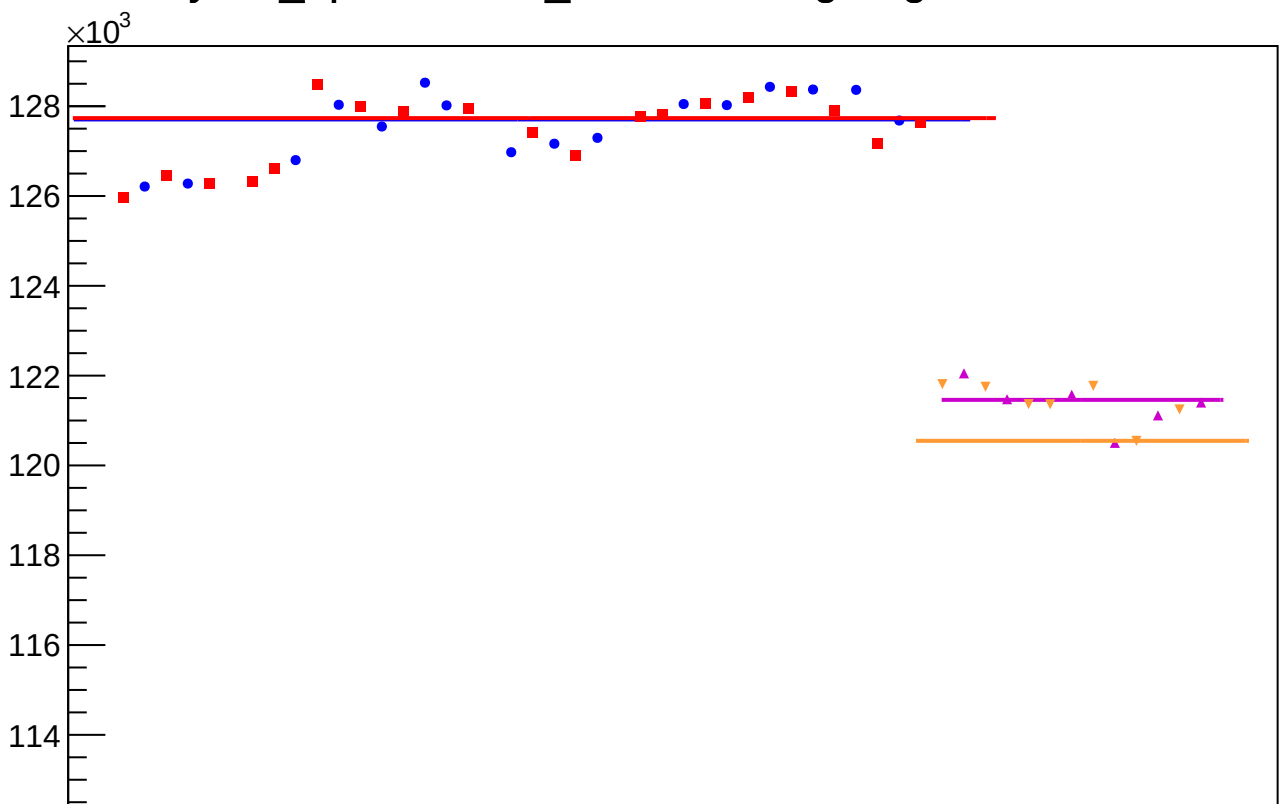
Left: 194.238+/-0.041 χ^2/NDF: 465449.4/13

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 150.145+/-0.032 χ^2/NDF:2470654.9/21

Out: 144.582+/-0.030 χ^2/NDF:2711789.1/26

All: 147.124+/-0.022 χ^2/NDF: 5198584.5/48



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120547.846+/-0.070 χ^2/NDF:1623908156.5/7

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 121460.112+/-0.077 χ^2/NDF:30388265.9/5

Left: 120961.382+/-0.052 χ^2/NDF: 1730984367.2/1

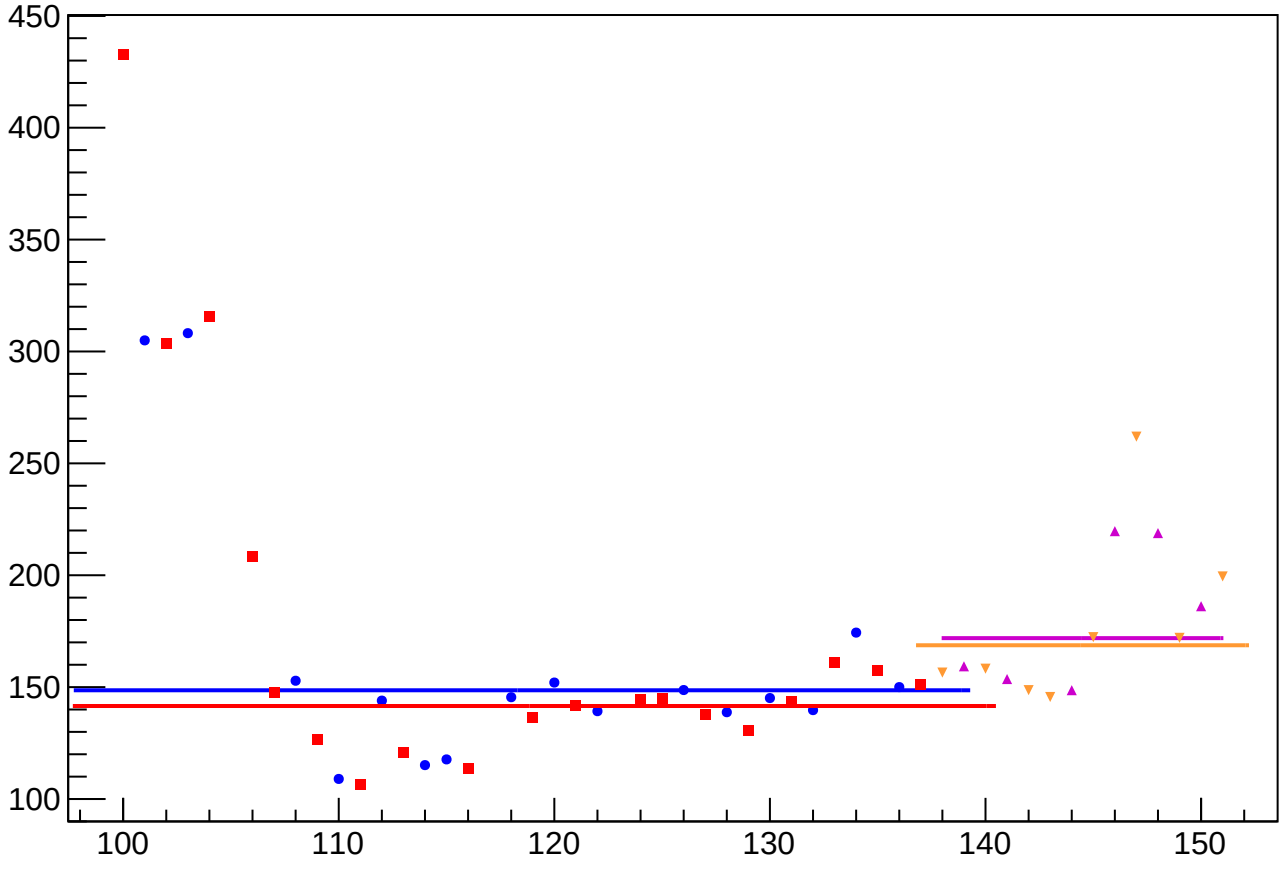
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 125424.800+/-0.047 χ^2/NDF:4308243462.0/21

Out: 125003.387+/-0.043 χ^2/NDF:8242493908.3/2

All: 125198.594+/-0.032 χ^2/NDF: 12594739

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 168.712+/-0.050 χ^2/NDF:316640.5/7

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 171.896+/-0.054 χ^2/NDF:243308.9/5

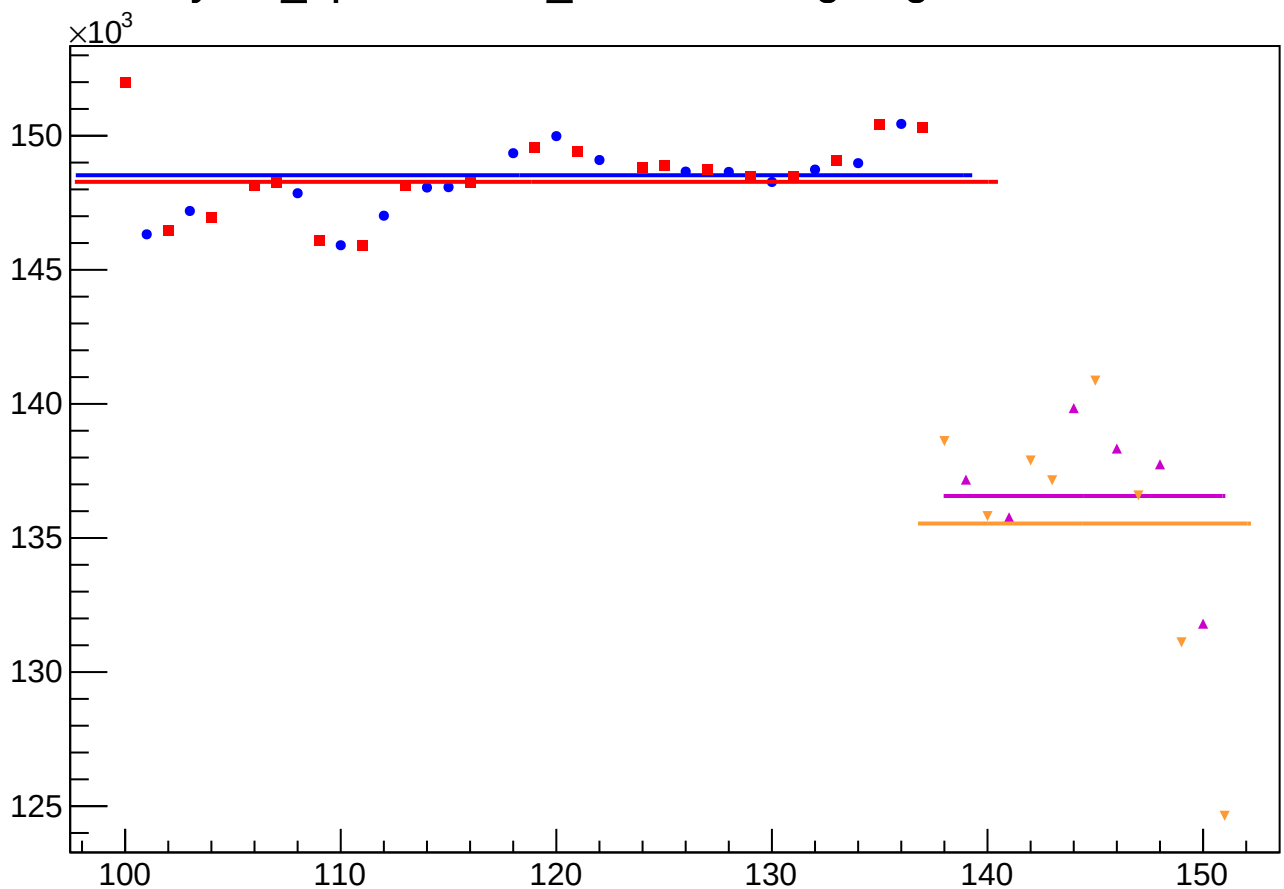
Left: 170.155+/-0.037 χ^2/NDF: 561817.7/13

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 157.102+/-0.033 χ^2/NDF:1187221.4/21

Out: 151.880+/-0.031 χ^2/NDF:1503641.0/26

All: 154.299+/-0.022 χ^2/NDF: 2704374.5/48



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 135539.824+/-0.104 χ^2/NDF:1724070993.6/7

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 136566.588+/-0.114 χ^2/NDF:502383995.4/5

Left: 136005.565+/-0.077 χ^2/NDF: 2270680011.4/1

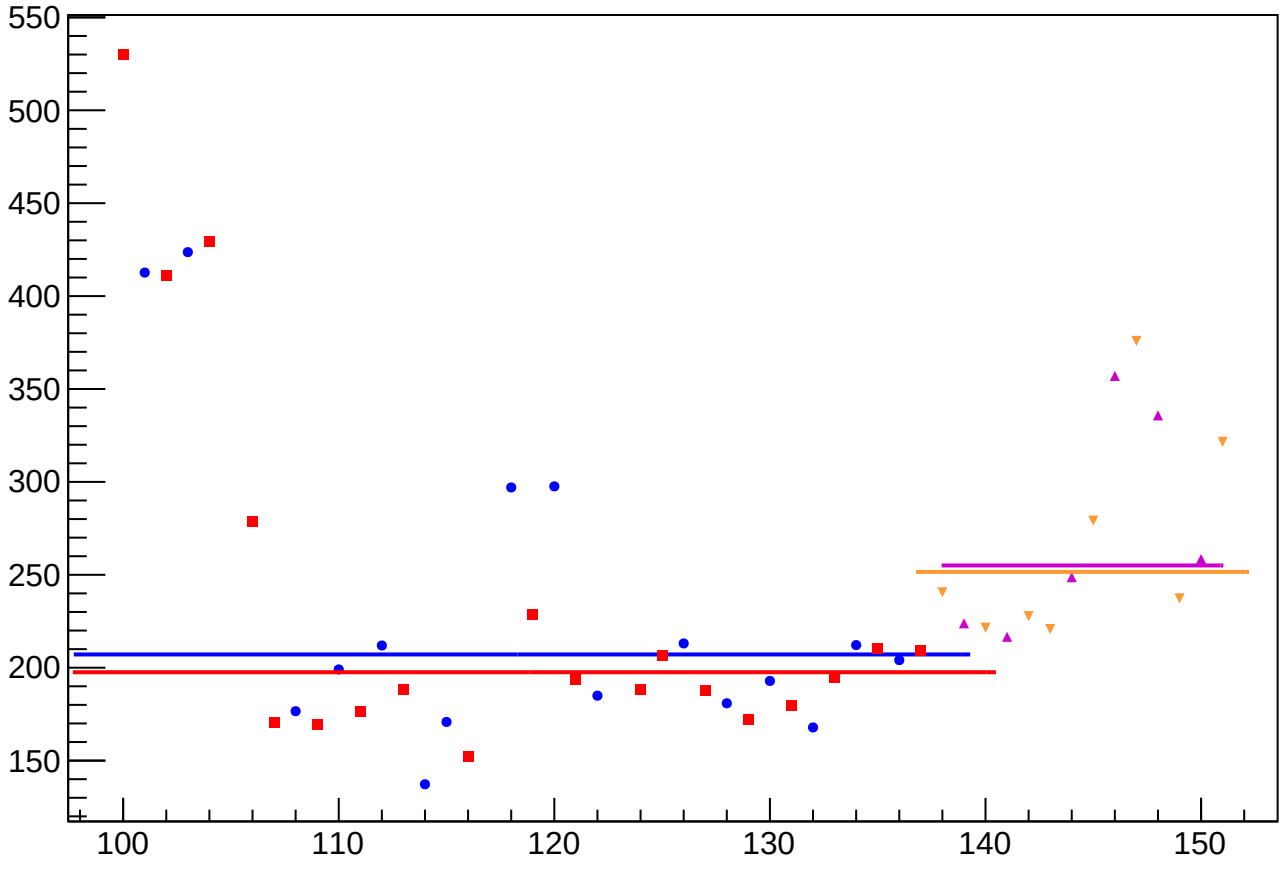
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 144459.203+/-0.067 χ^2/NDF:7959428134.7/21

Out: 143799.413+/-0.062 χ^2/NDF:11751938704.1

All: 144104.209+/-0.045 χ^2/NDF: 19764233

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 251.565+/-0.074 χ^2/NDF:349569.1/7

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 255.038+/-0.081 χ^2/NDF:324530.4/5

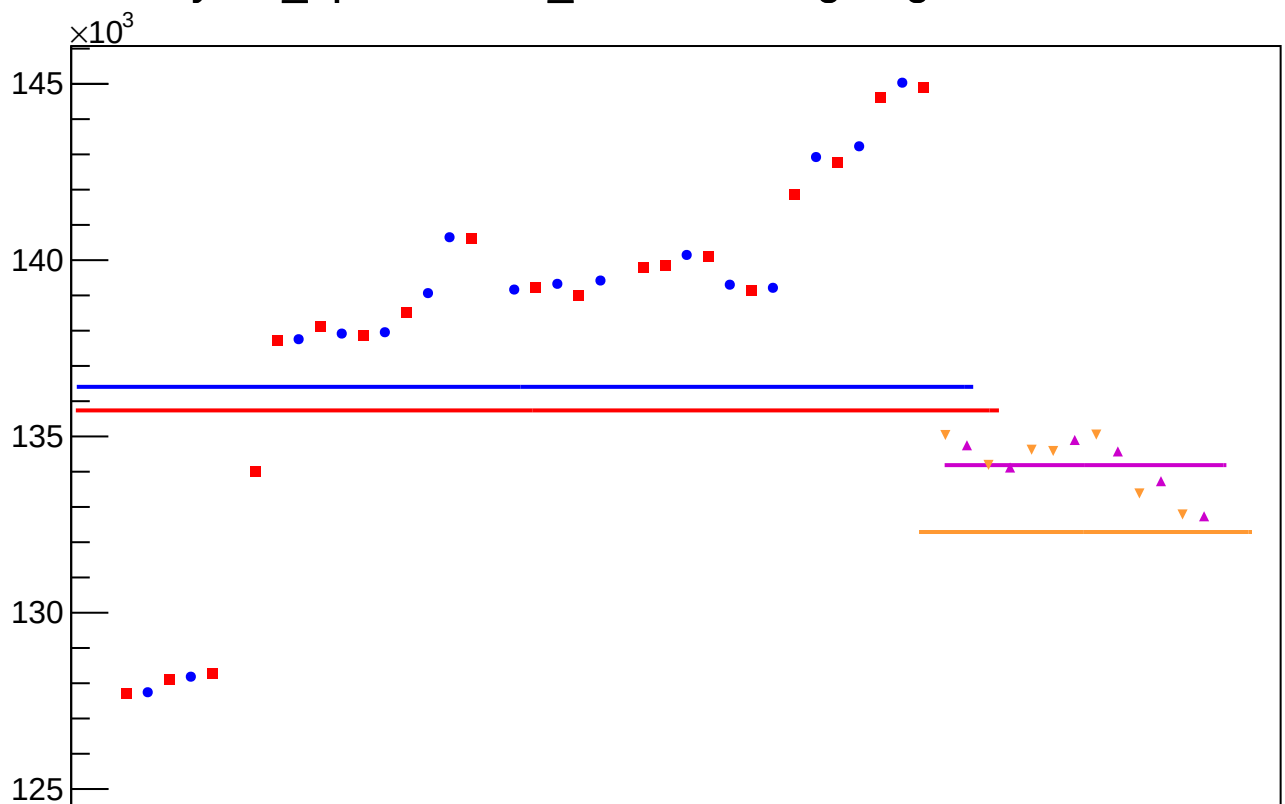
Left: 253.140+/-0.054 χ^2/NDF: 675111.0/13

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 223.429+/-0.047 χ^2/NDF:1529242.5/21

Out: 216.566+/-0.044 χ^2/NDF:1603104.6/26

All: 219.736+/-0.032 χ^2/NDF: 3143786.9/48



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 132289.695+/-0.217 χ^2/NDF:370561284.3/7

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 134186.374+/-0.263 χ^2/NDF:6719316.0/5

Left: 133058.119+/-0.168 χ^2/NDF: 408125369.8/13

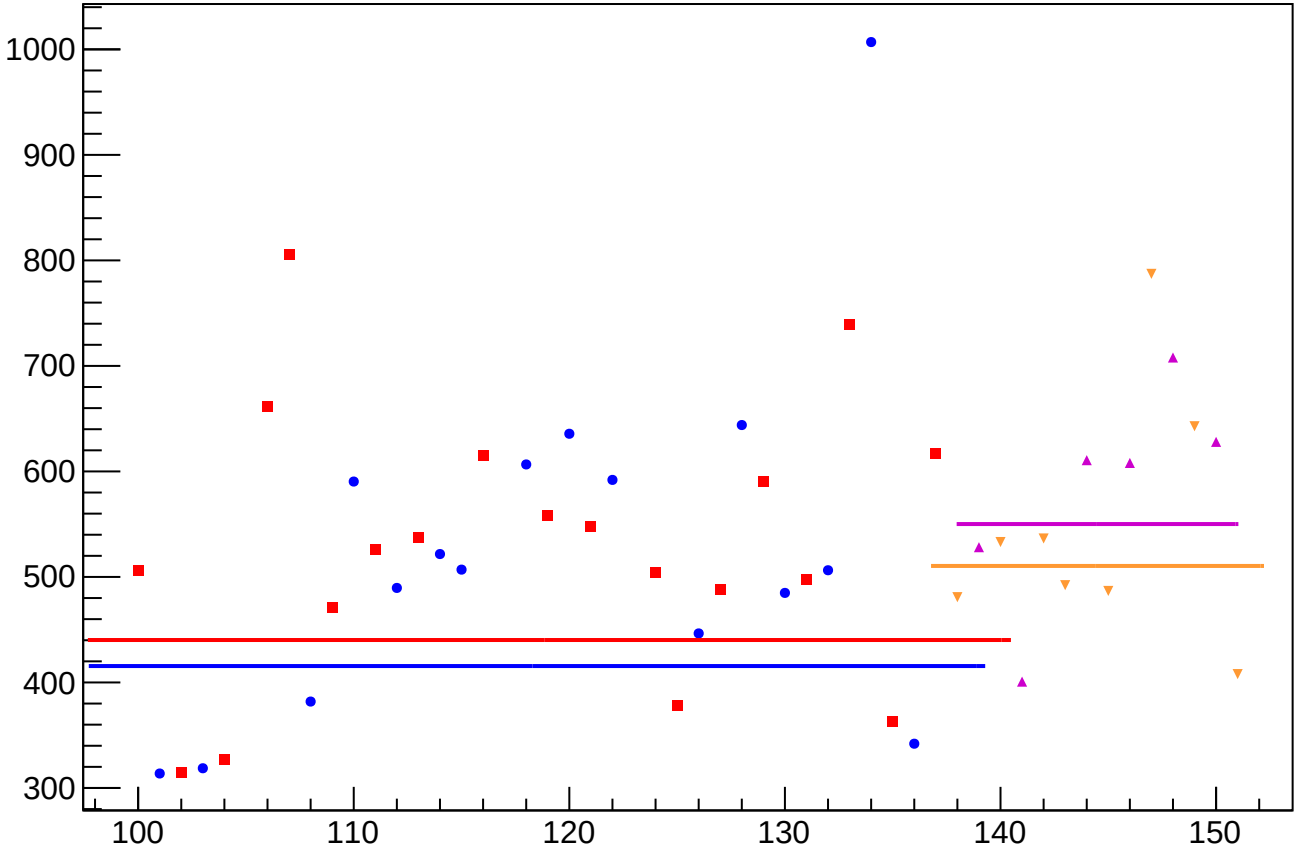
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 135761.666+/-0.142 χ^2/NDF:1634210204.1/21

Out: 134366.519+/-0.137 χ^2/NDF:1696265890.7/2

All: 135039.675+/-0.099 χ^2/NDF: 33804404

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 510.422+/-0.154 χ^2/NDF:357242.9/7

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 550.126+/-0.186 χ^2/NDF:313412.0/5

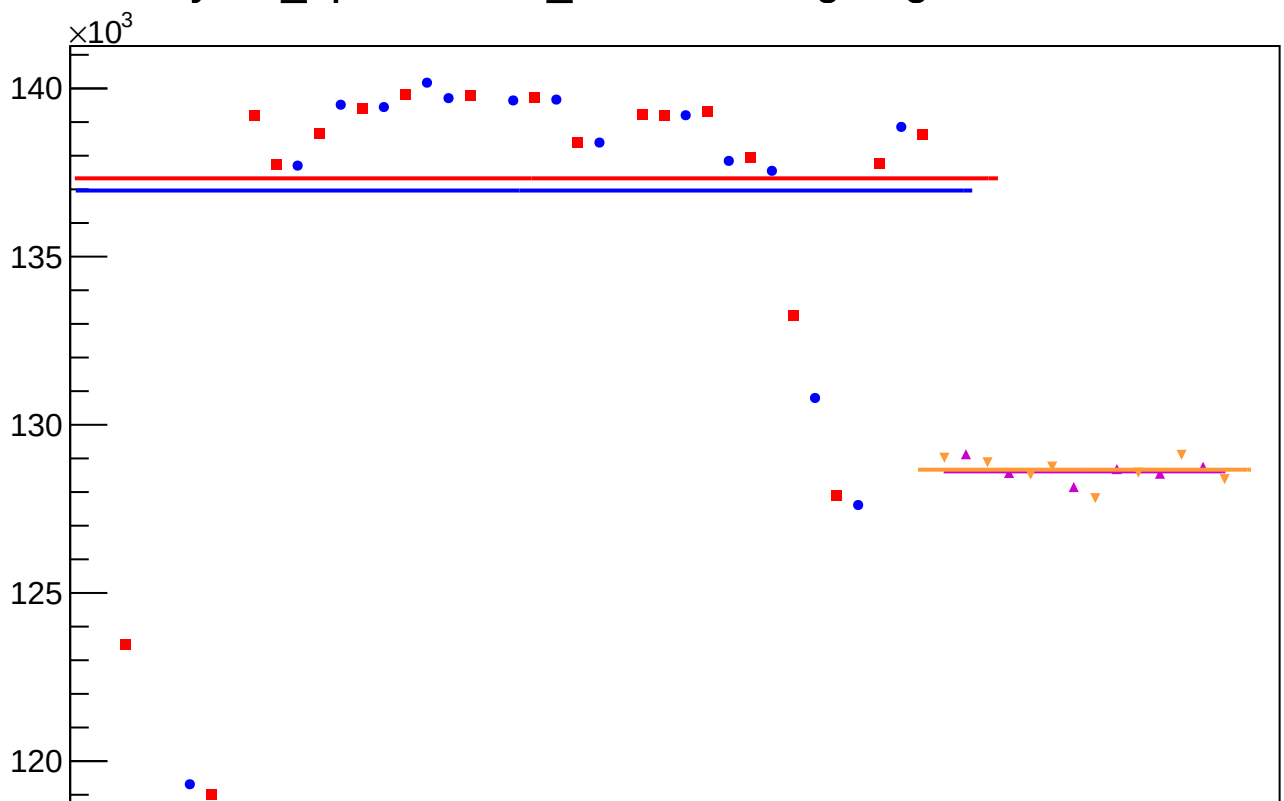
Left: 526.508+/-0.119 χ^2/NDF: 697687.2/13

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 454.654+/-0.100 χ^2/NDF:1715404.4/21

Out: 468.145+/-0.097 χ^2/NDF:1393661.8/26

All: 461.635+/-0.070 χ^2/NDF: 3118410.5/48



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128665.372+/-0.075 χ^2/NDF:27339331.3/7

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 128614.611+/-0.084 χ^2/NDF:14818039.2/5

Left: 128643.005+/-0.056 χ^2/NDF: 42361868.9/13

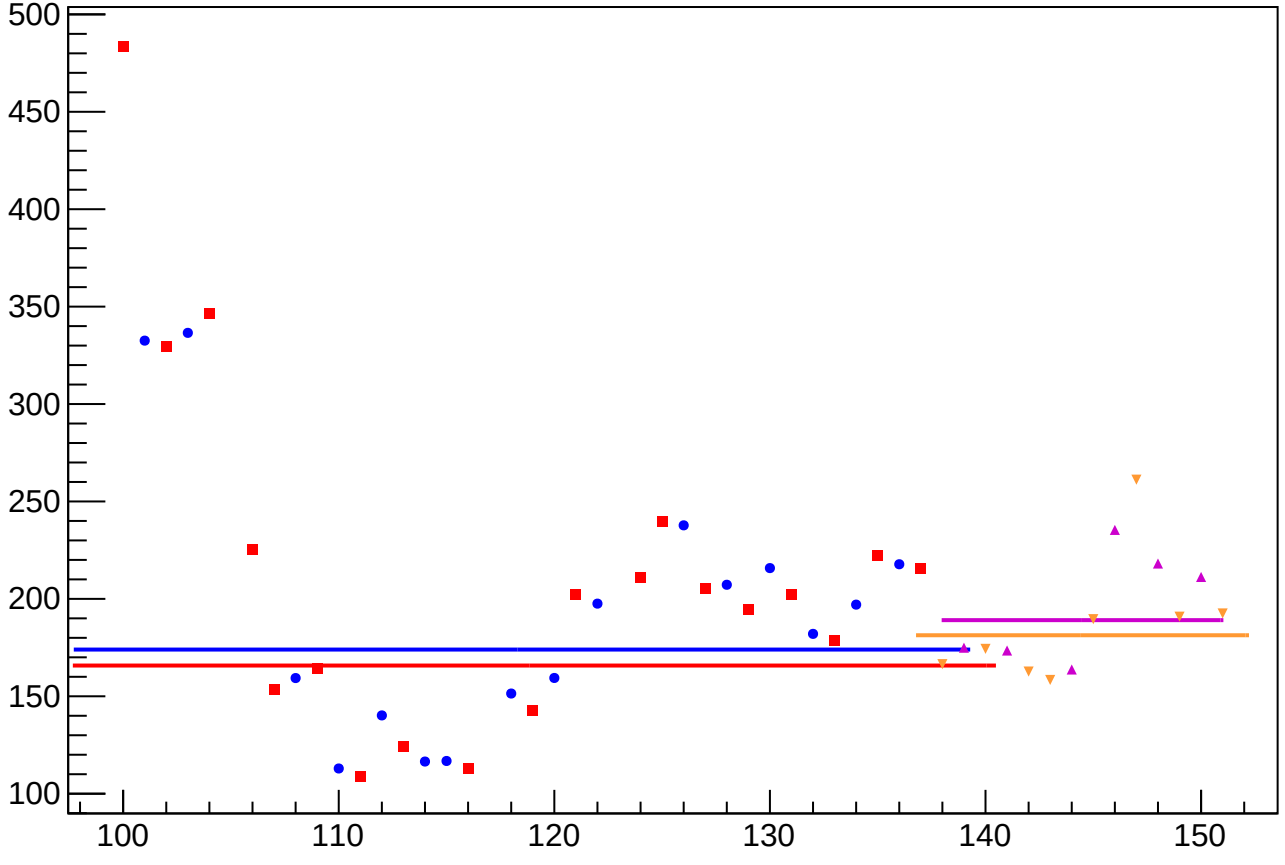
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 133556.176+/-0.054 χ^2/NDF:11677193918.3/2

Out: 133543.256+/-0.049 χ^2/NDF:13375637732.9

All: 133549.166+/-0.036 χ^2/NDF: 25052863

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 181.326+/-0.053 χ^2/NDF:224730.1/7

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 189.079+/-0.059 χ^2/NDF:183505.8/5

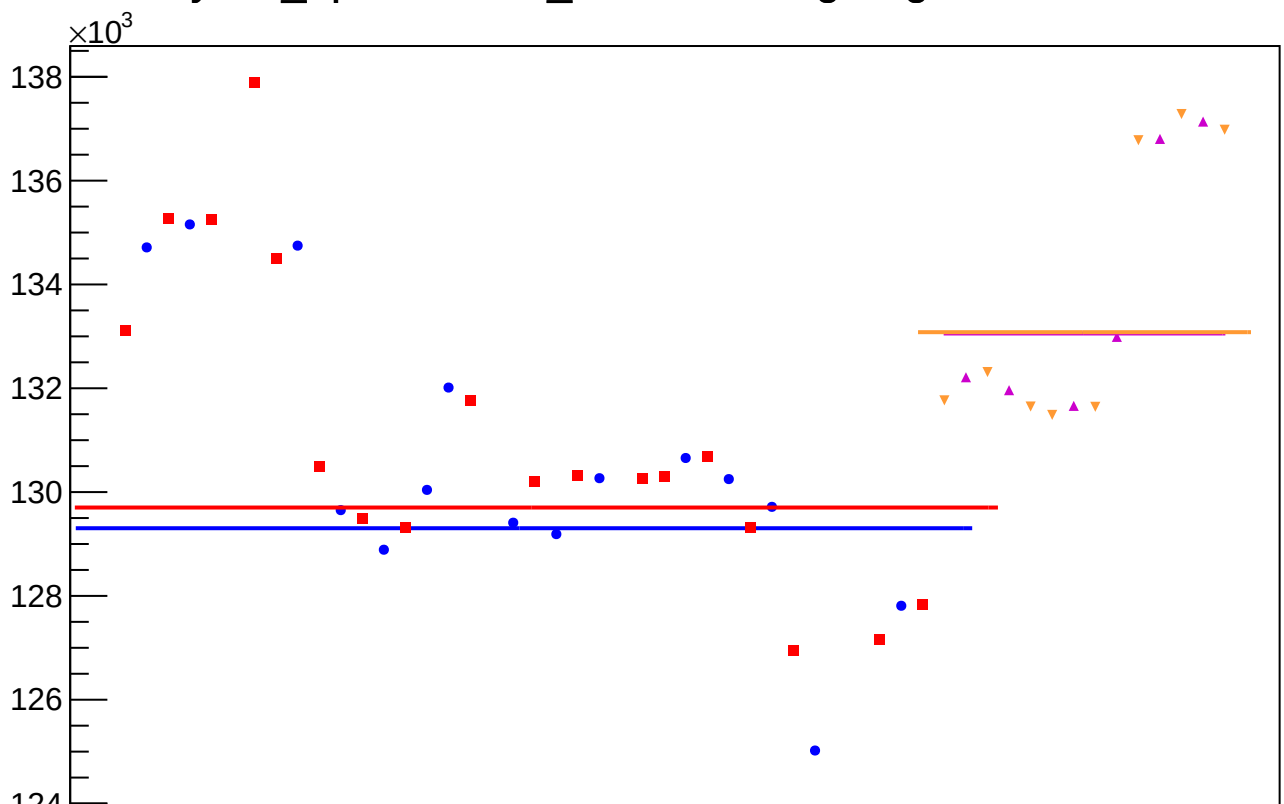
Left: 184.742+/-0.039 χ^2/NDF: 417777.5/13

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 180.145+/-0.038 χ^2/NDF:1410275.8/21

Out: 172.572+/-0.035 χ^2/NDF:1706918.6/26

All: 176.036+/-0.026 χ^2/NDF: 3138825.3/48



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 133080.737+/-0.077 χ^2/NDF:894905095.7/7

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 133055.467+/-0.086 χ^2/NDF:542426365.6/5

Left: 133069.567+/-0.057 χ^2/NDF: 1437379230.2/1

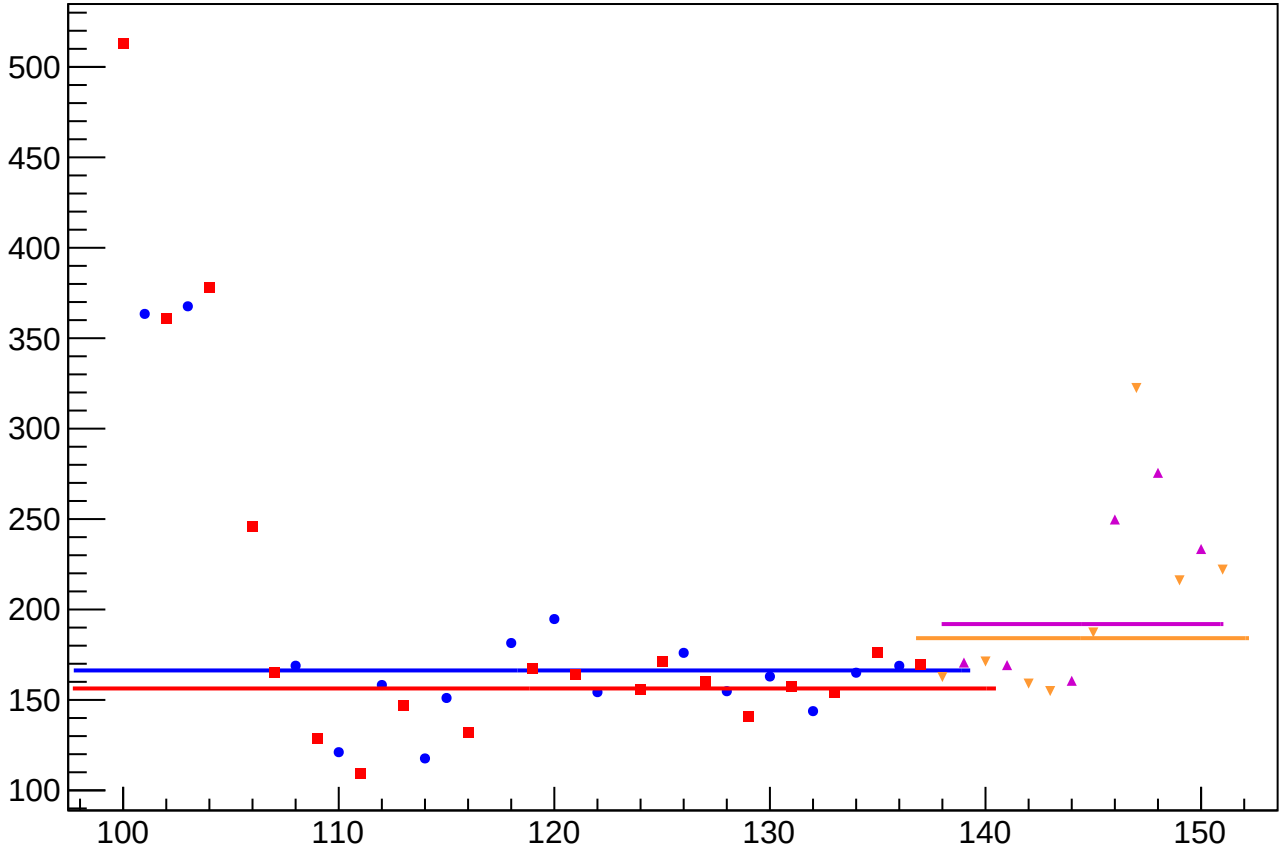
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130692.402+/-0.053 χ^2/NDF:3381253166.1/21

Out: 131022.182+/-0.048 χ^2/NDF:3849629218.6/2

All: 130872.014+/-0.035 χ^2/NDF: 72523394

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 184.151+/-0.054 χ^2/NDF:496201.7/7

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 191.941+/-0.061 χ^2/NDF:422600.6/5

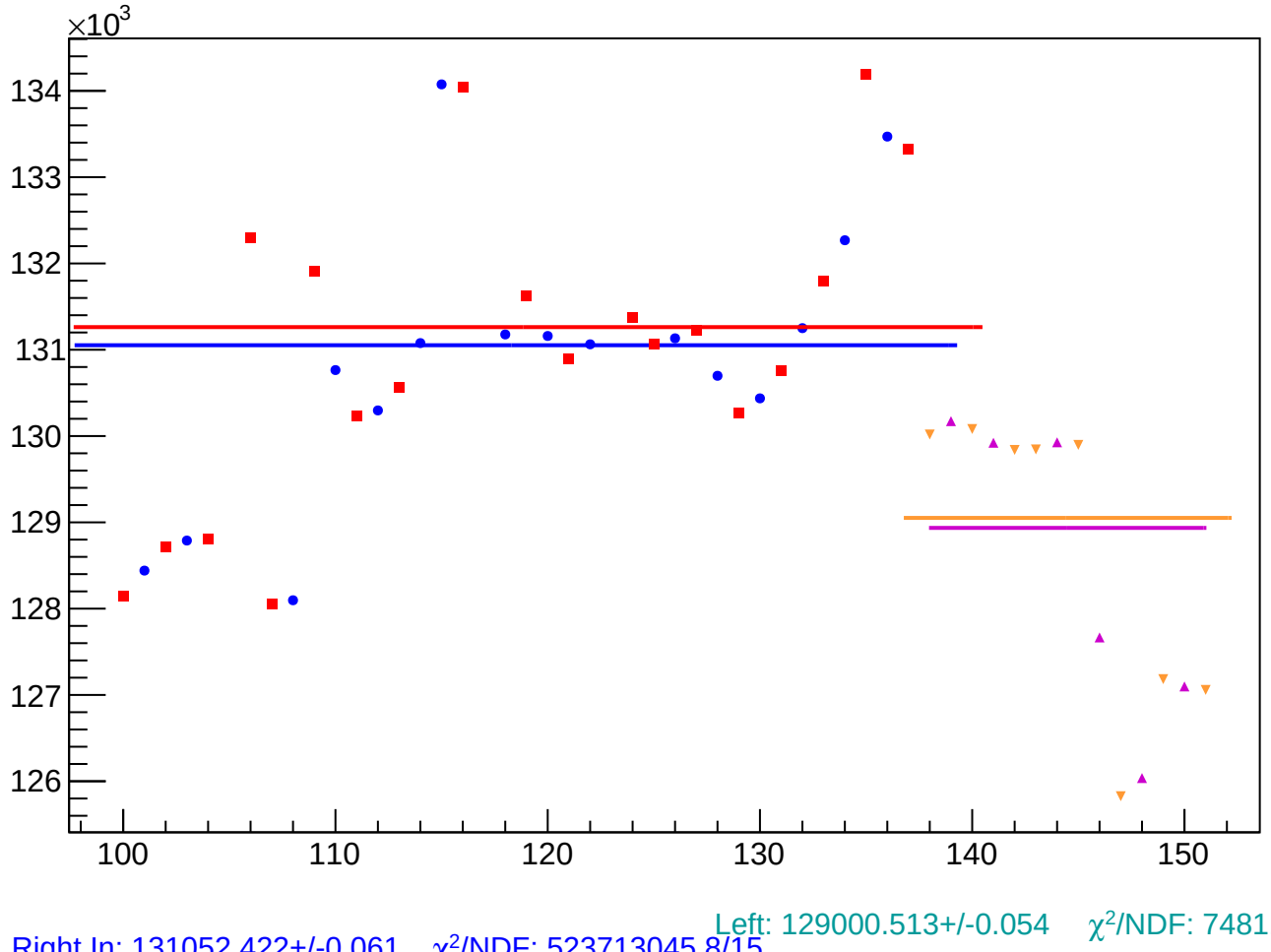
Left: 187.594+/-0.041 χ^2/NDF: 927882.6/13

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 175.792+/-0.037 χ^2/NDF:1471574.8/21

Out: 167.200+/-0.034 χ^2/NDF:1828644.9/26

All: 171.112+/-0.025 χ^2/NDF: 3329346.0/48



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129051.412+/-0.072 χ^2/NDF:397862561.4/7

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128935.603+/-0.081 χ^2/NDF:349106049.1/5

Left: 129000.513+/-0.054 χ^2/NDF: 748116417.1/13

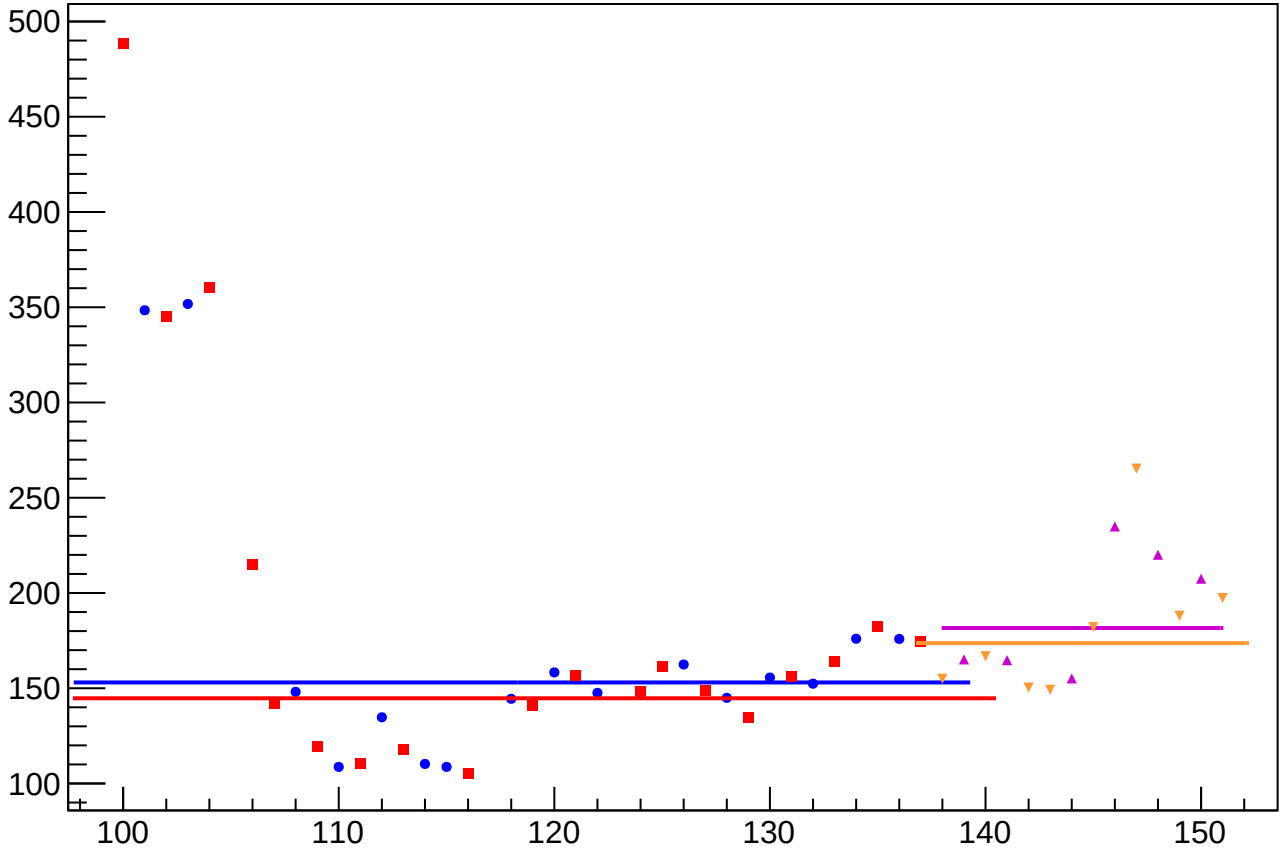
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130291.247+/-0.049 χ^2/NDF:1310990608.5/21

Out: 130411.727+/-0.044 χ^2/NDF:1587757450.9/2

All: 130356.764+/-0.033 χ^2/NDF: 29020998

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 173.707+/-0.051 χ^2/NDF:319996.7/7

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 181.611+/-0.057 χ^2/NDF:253442.9/5

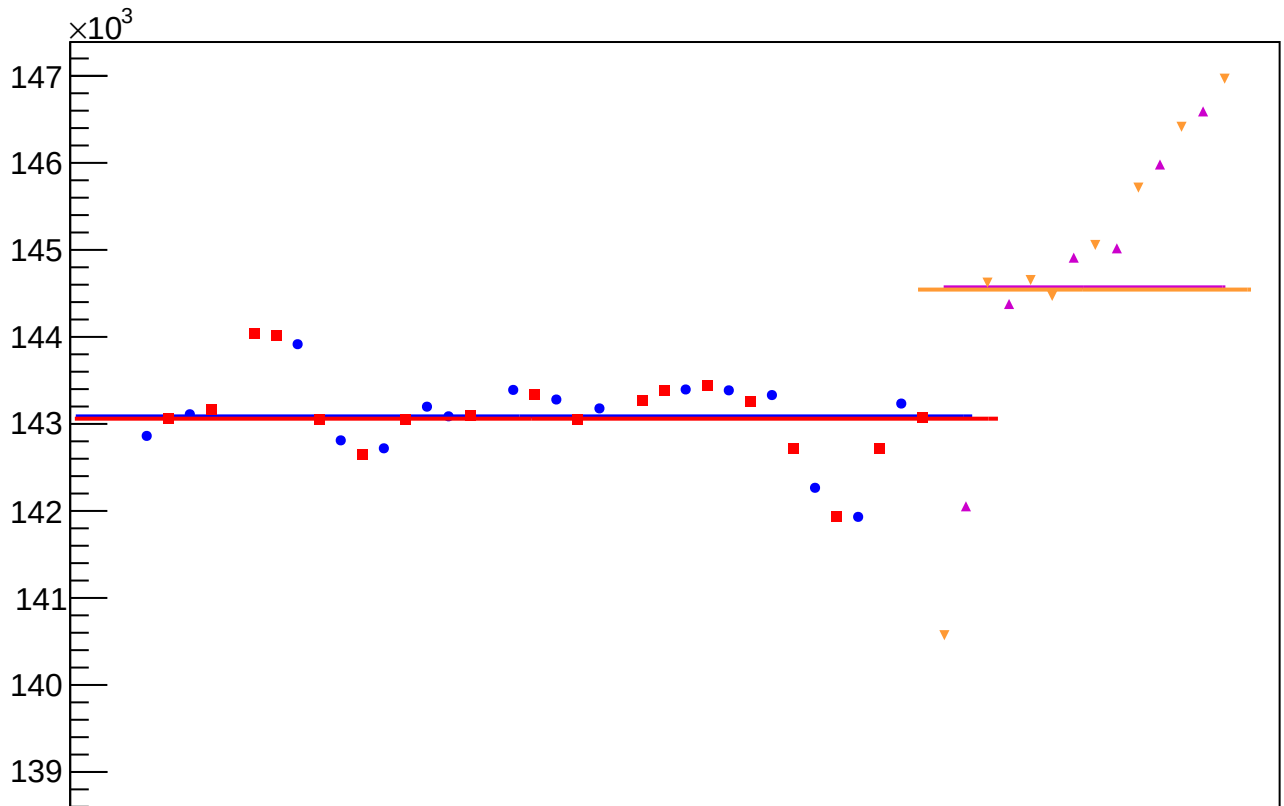
Left: 177.181+/-0.038 χ^2/NDF: 584131.2/13

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 163.315+/-0.034 χ^2/NDF:1472526.0/21

Out: 155.878+/-0.031 χ^2/NDF:1784622.2/26

All: 159.271+/-0.023 χ^2/NDF: 3282693.2/48



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144543.937+/-0.084 χ^2/NDF:538827921.8/7

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144569.426+/-0.094 χ^2/NDF:243828160.7/5

Left: 144555.268+/-0.063 χ^2/NDF: 782696567.1/13

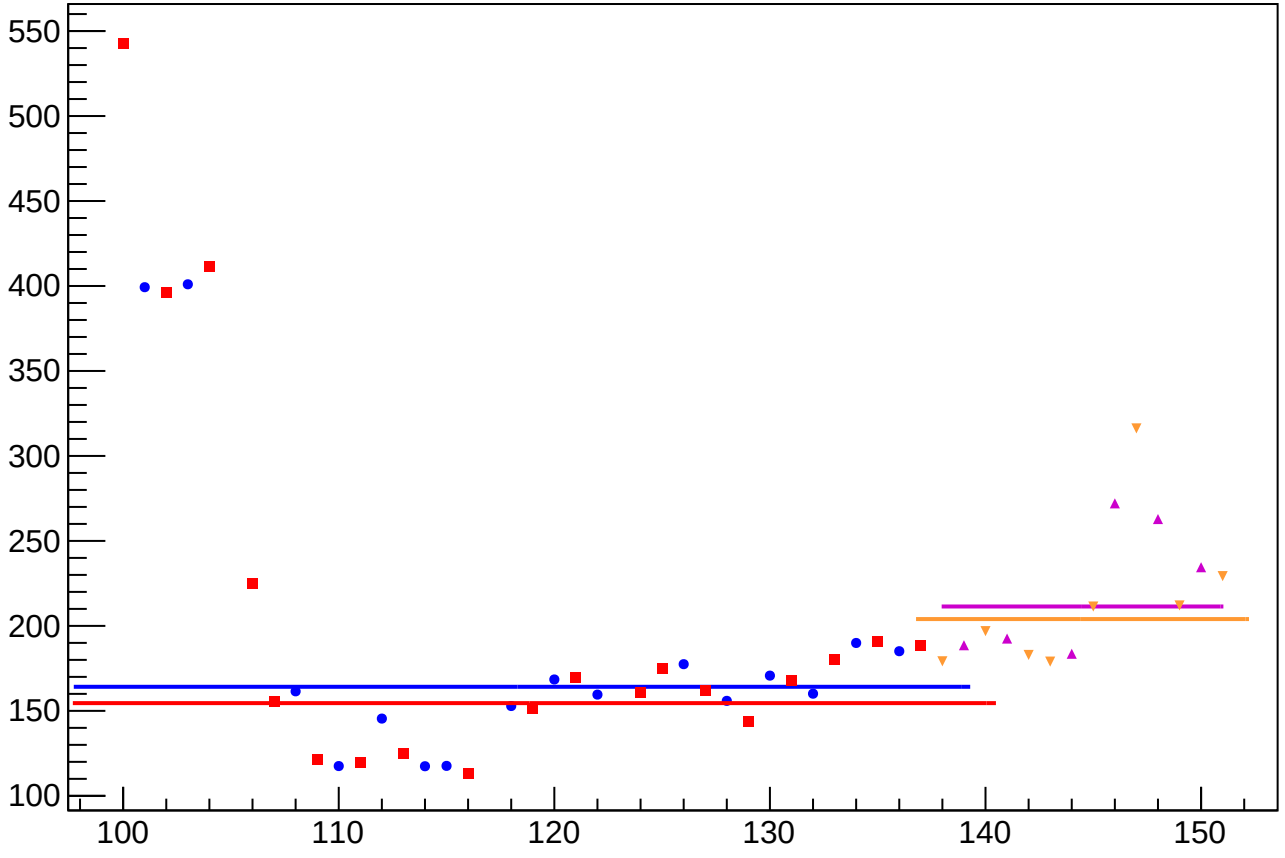
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143564.181+/-0.054 χ^2/NDF:457796777.4/21

Out: 143565.097+/-0.049 χ^2/NDF:794127247.3/26

All: 143564.678+/-0.036 χ^2/NDF: 12519241

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 204.014+/-0.060 χ^2/NDF:303343.5/7

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 211.416+/-0.067 χ^2/NDF:247218.8/5

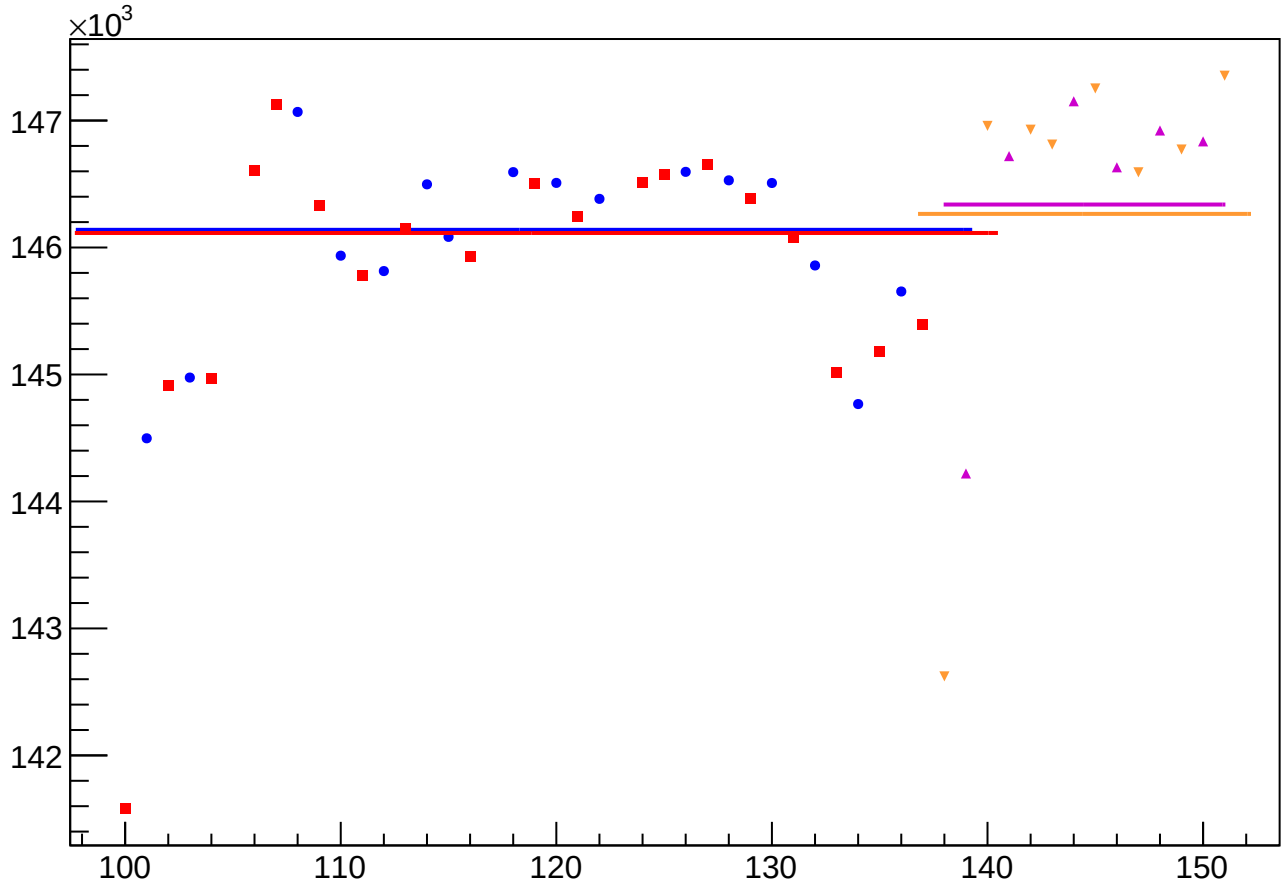
Left: 207.304+/-0.045 χ^2/NDF: 557390.9/13

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 179.387+/-0.038 χ^2/NDF:1716539.3/21

Out: 171.386+/-0.035 χ^2/NDF:2122586.7/26

All: 175.051+/-0.026 χ^2/NDF: 3863292.0/48



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 146264.713+/-0.083 χ^2/NDF:374596675.2/7

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 146338.484+/-0.094 χ^2/NDF:136128671.3/5

Left: 146297.270+/-0.062 χ^2/NDF: 511073037.3/13

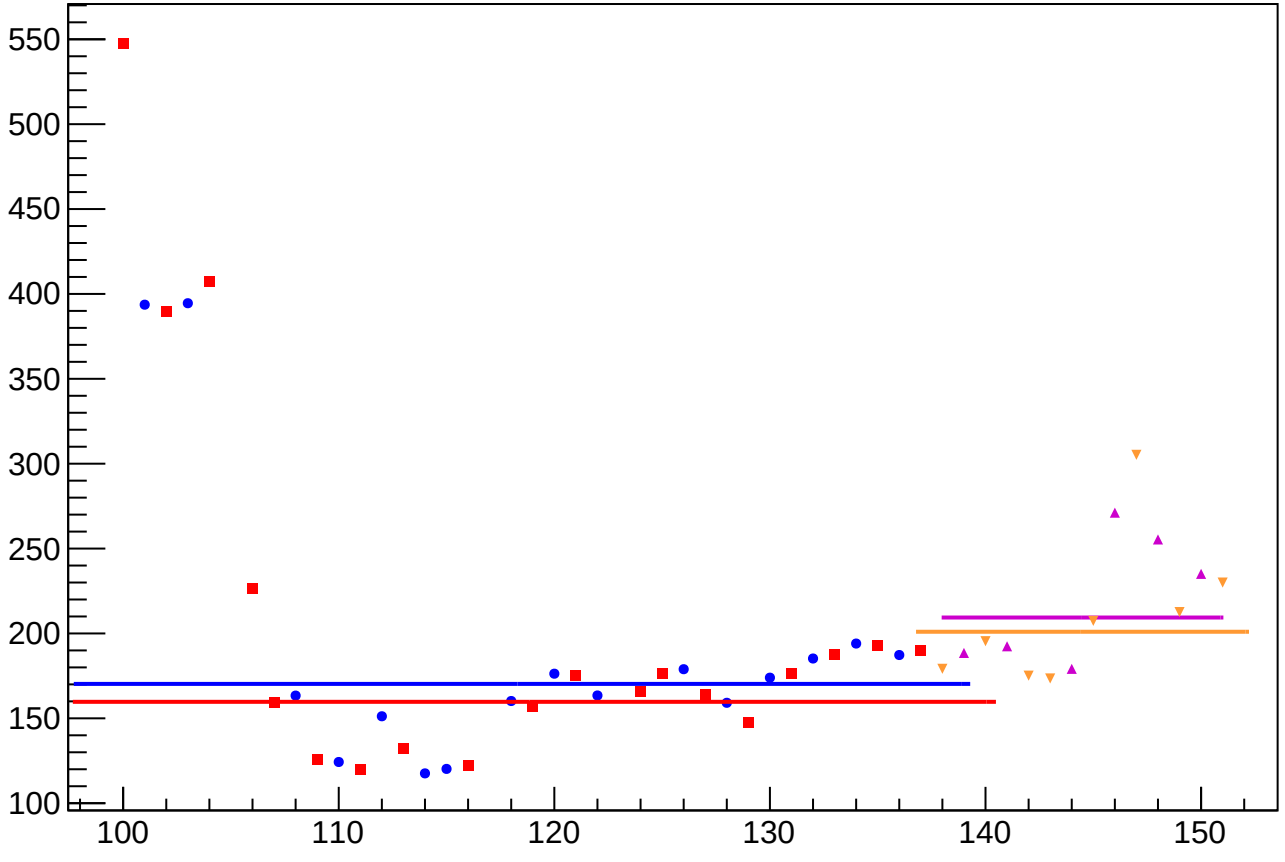
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146207.346+/-0.055 χ^2/NDF:210838500.8/21

Out: 146168.711+/-0.050 χ^2/NDF:449786954.3/26

All: 146186.285+/-0.037 χ^2/NDF: 66089766

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 201.000+/-0.059 χ^2/NDF:305189.2/7

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 209.380+/-0.066 χ^2/NDF:247678.4/5

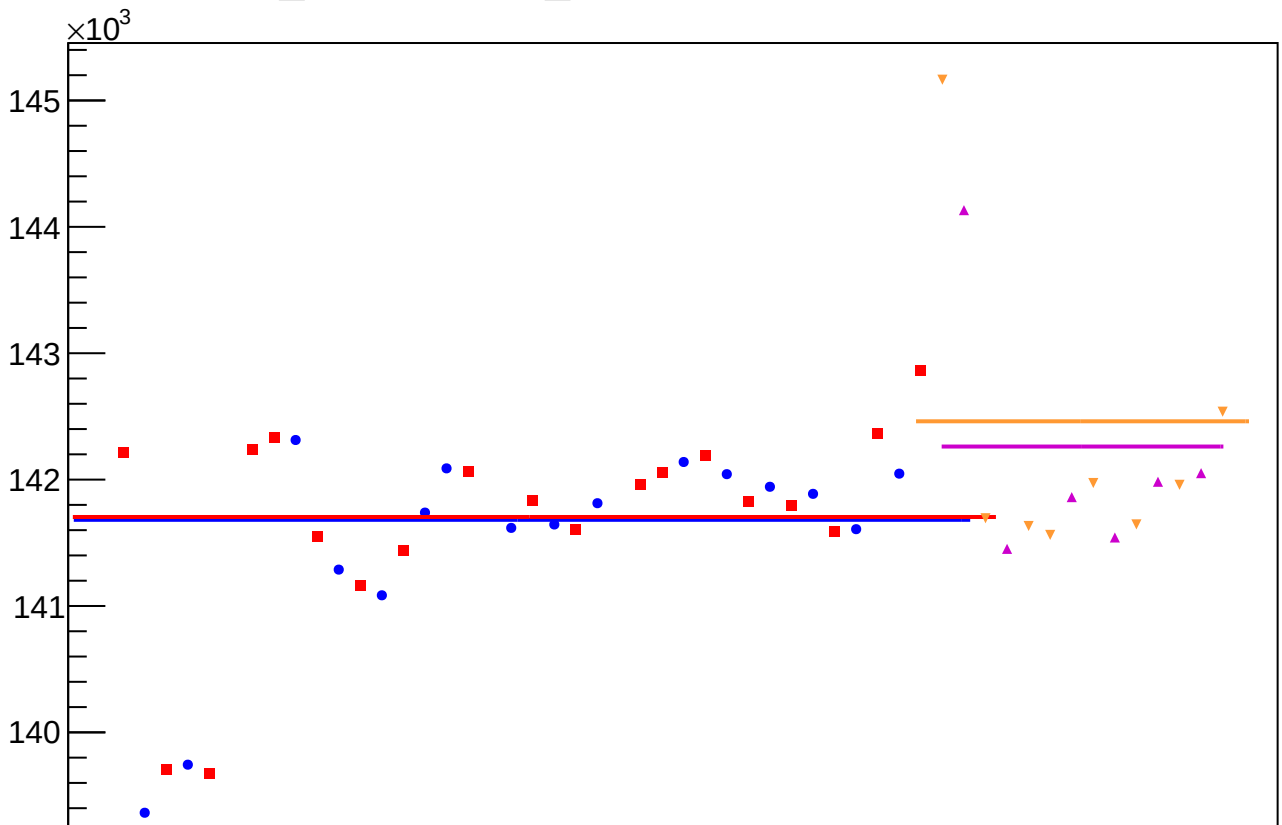
Left: 204.698+/-0.044 χ^2/NDF: 561839.4/13

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 183.645+/-0.039 χ^2/NDF:1535453.0/21

Out: 174.628+/-0.035 χ^2/NDF:1911650.4/26

All: 178.729+/-0.026 χ^2/NDF: 3476757.8/48



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142461.380+/-0.089 χ^2/NDF:204965029.5/7

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 142261.694+/-0.101 χ^2/NDF:93530364.8/5

Left: 142373.269+/-0.067 χ^2/NDF: 300695263.6/13

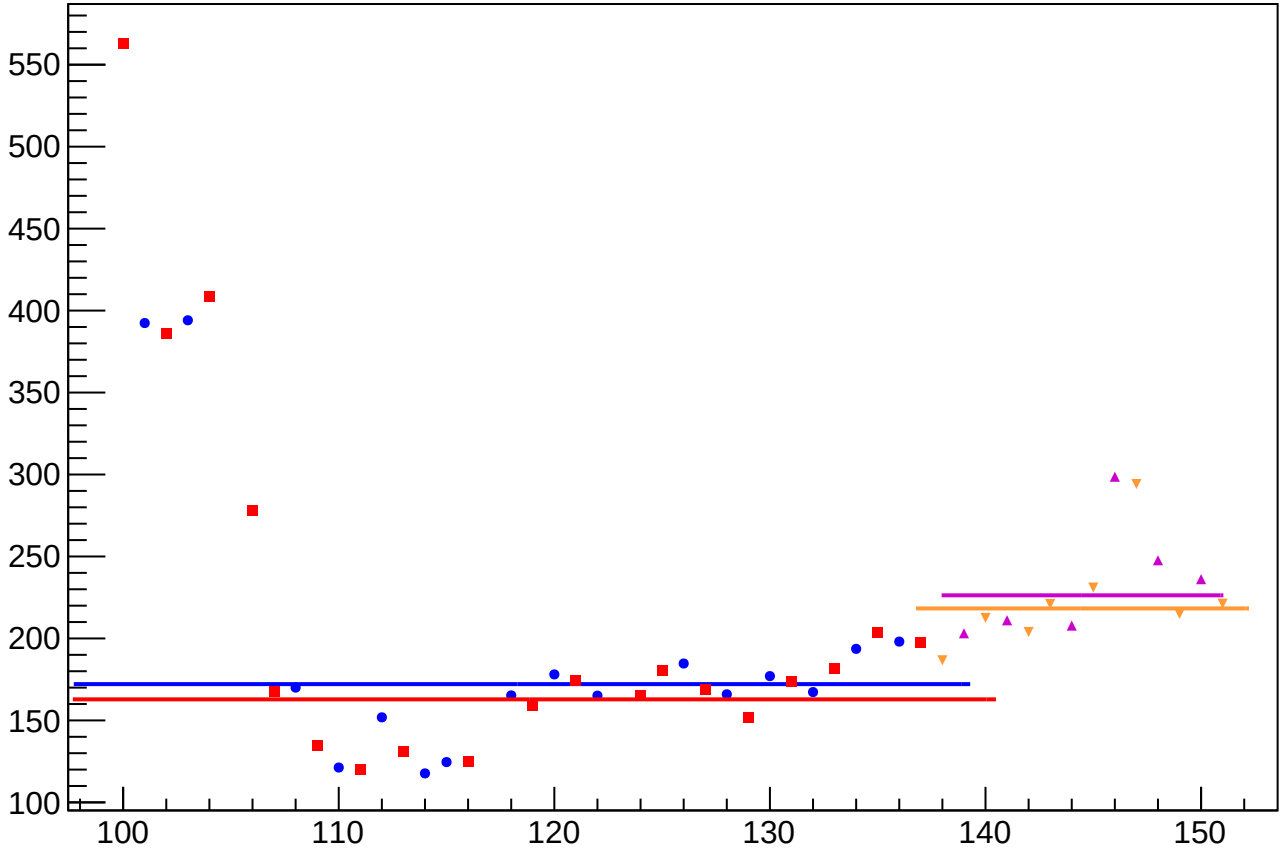
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141864.590+/-0.056 χ^2/NDF:180558609.8/21

Out: 141959.537+/-0.052 χ^2/NDF:318002794.0/26

All: 141916.051+/-0.038 χ^2/NDF: 500092182

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 218.310+/-0.063 χ^2/NDF:164132.8/7

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 226.310+/-0.071 χ^2/NDF:161686.3/5

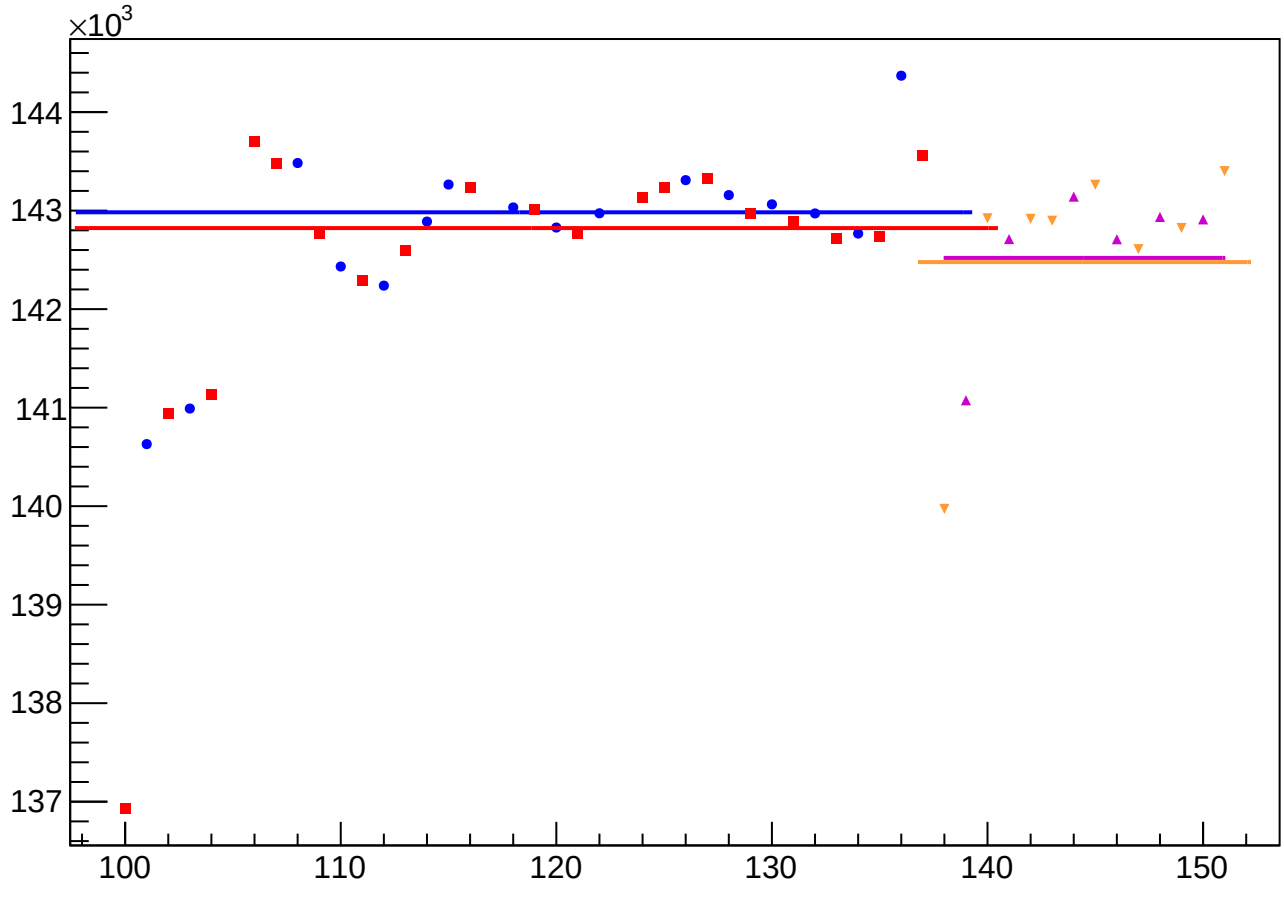
Left: 221.840+/-0.047 χ^2/NDF: 332880.7/13

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 189.211+/-0.040 χ^2/NDF:1627132.1/21

Out: 181.549+/-0.037 χ^2/NDF:1979847.8/26

All: 185.059+/-0.027 χ^2/NDF: 3626916.5/48



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142477.436+/-0.082 χ^2/NDF:199569776.4/7

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142519.907+/-0.092 χ^2/NDF:69293845.3/5

Left: 142496.206+/-0.061 χ^2/NDF: 268983416.8/13

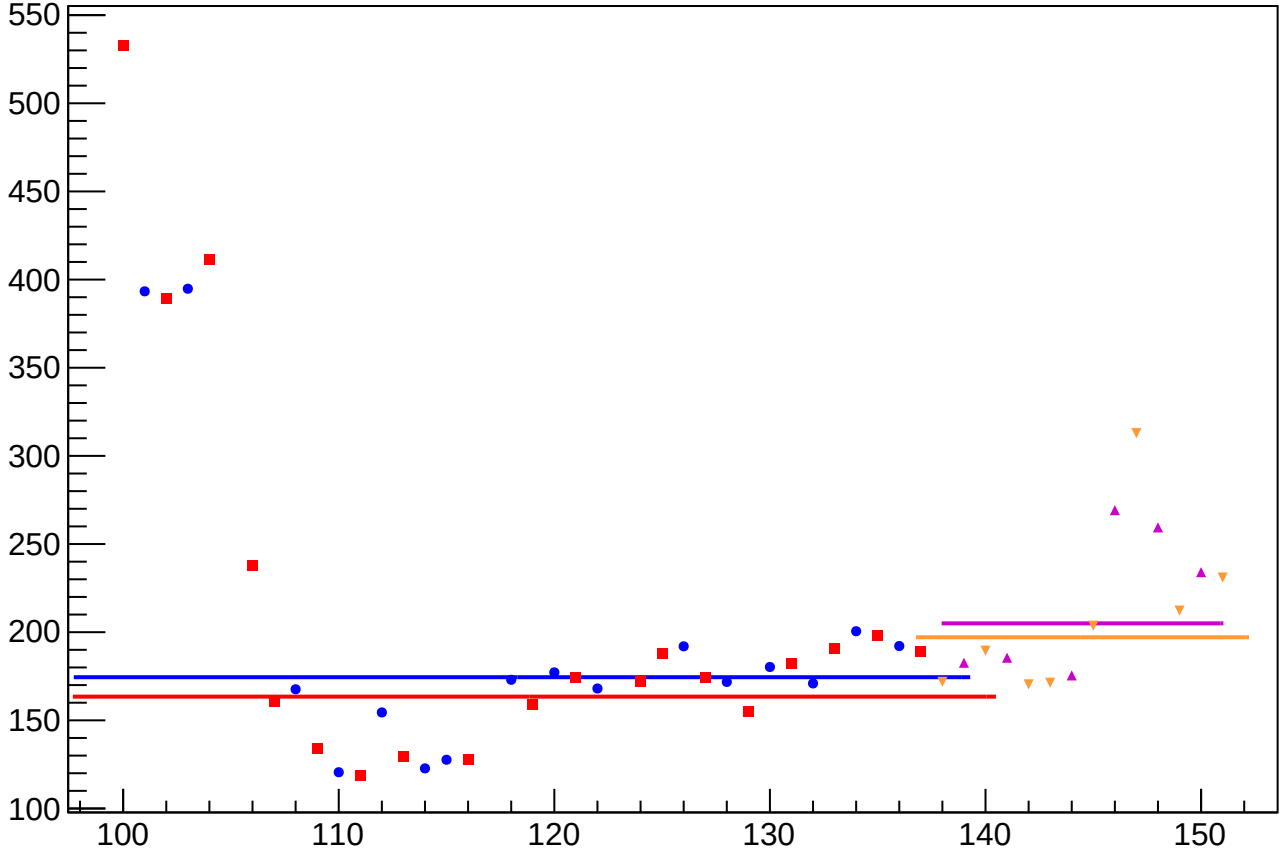
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142815.176+/-0.055 χ^2/NDF:193262633.7/21

Out: 142691.090+/-0.050 χ^2/NDF:274236836.6/26

All: 142747.483+/-0.037 χ^2/NDF: 47025770

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 197.108+/-0.058 χ^2/NDF:361589.3/7

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 205.013+/-0.065 χ^2/NDF:291552.9/5

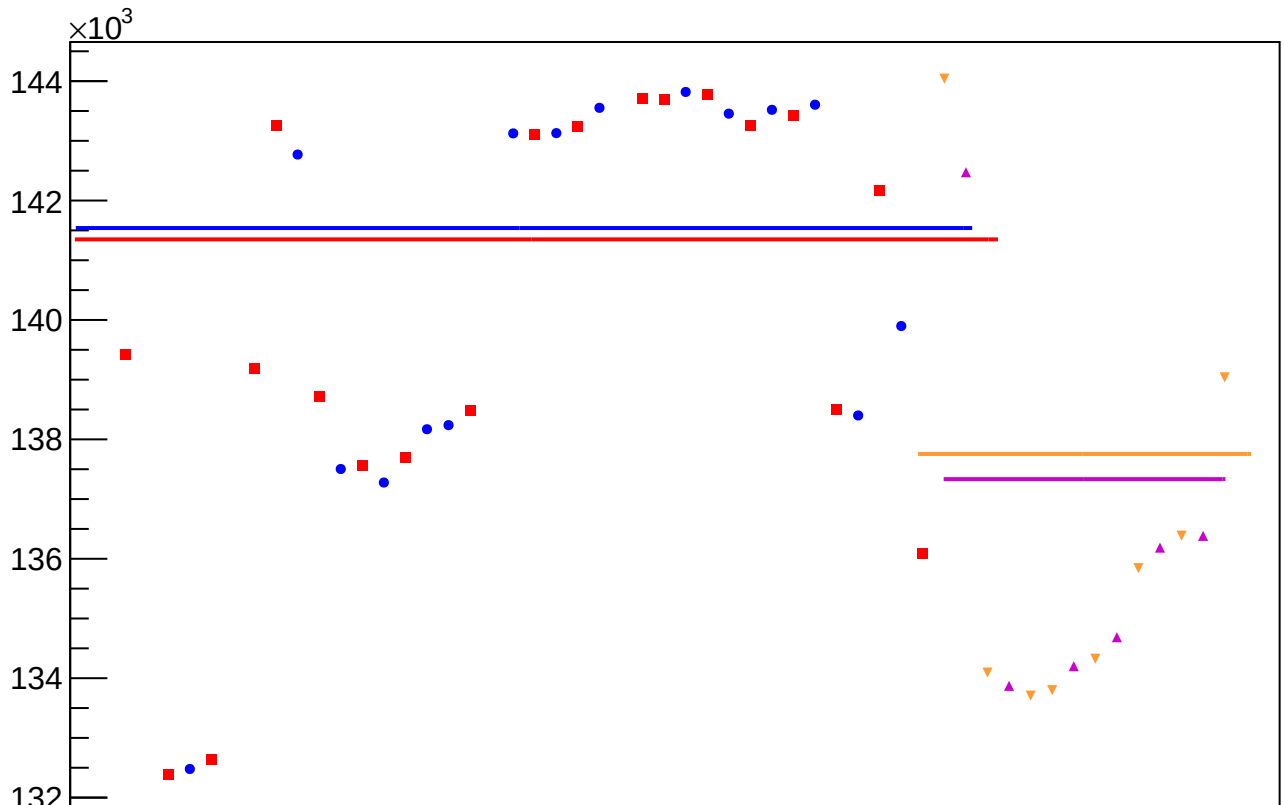
Left: 200.601+/-0.043 χ^2/NDF: 661442.2/13

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 185.537+/-0.039 χ^2/NDF:1482270.9/21

Out: 176.280+/-0.036 χ^2/NDF:1854770.6/26

All: 180.487+/-0.026 χ^2/NDF: 3367739.8/48



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 137755.961+/-0.128 χ^2/NDF:1076115743.4/7

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 137333.923+/-0.140 χ^2/NDF:652535426.0/5

Left: 137563.573+/-0.095 χ^2/NDF: 1733583320.9/1

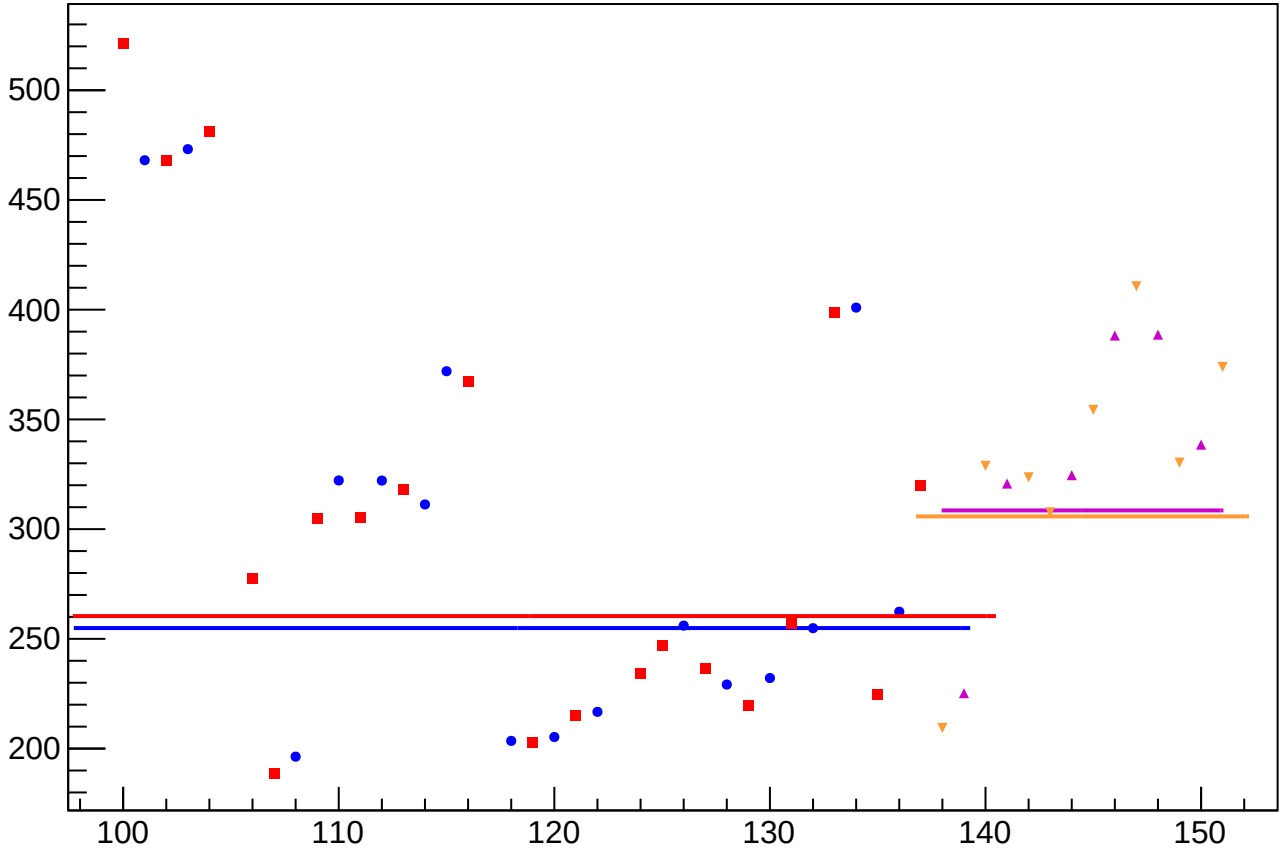
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140105.895+/-0.082 χ^2/NDF:2193517747.1/21

Out: 139973.742+/-0.079 χ^2/NDF:2486894180.7/2

All: 140037.805+/-0.057 χ^2/NDF: 468175523

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.791+/-0.091 χ^2/NDF:526941.7/7

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 308.523+/-0.099 χ^2/NDF:380249.9/5

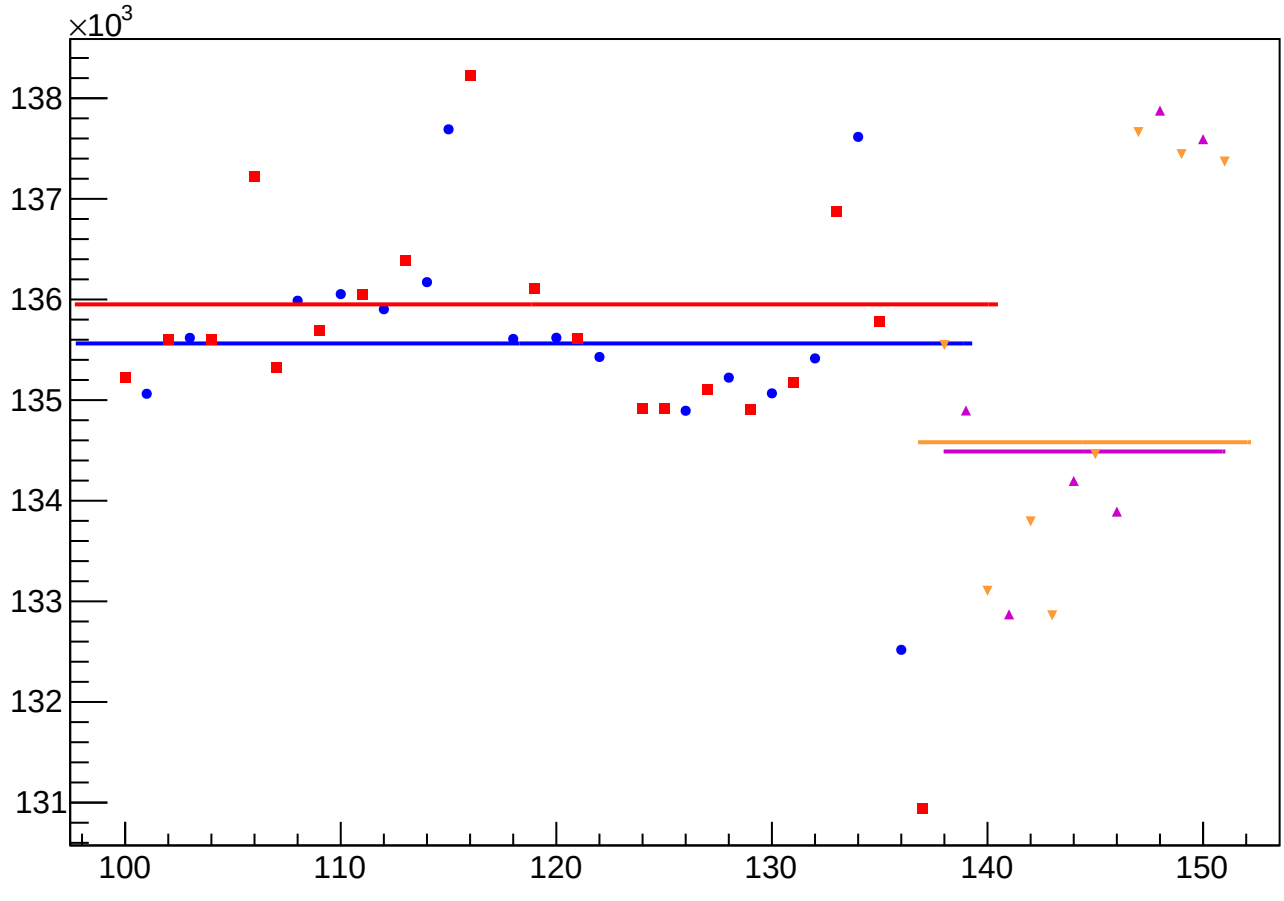
Left: 307.036+/-0.067 χ^2/NDF: 907605.0/13

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 273.191+/-0.058 χ^2/NDF:1522956.1/21

Out: 277.758+/-0.056 χ^2/NDF:1674934.4/26

All: 275.544+/-0.040 χ^2/NDF: 3201098.5/48



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134581.339+/-0.093 χ^2/NDF:306280363.3/7

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134489.306+/-0.105 χ^2/NDF:195184333.4/5

Left: 134540.486+/-0.070 χ^2/NDF: 501894996.5/13

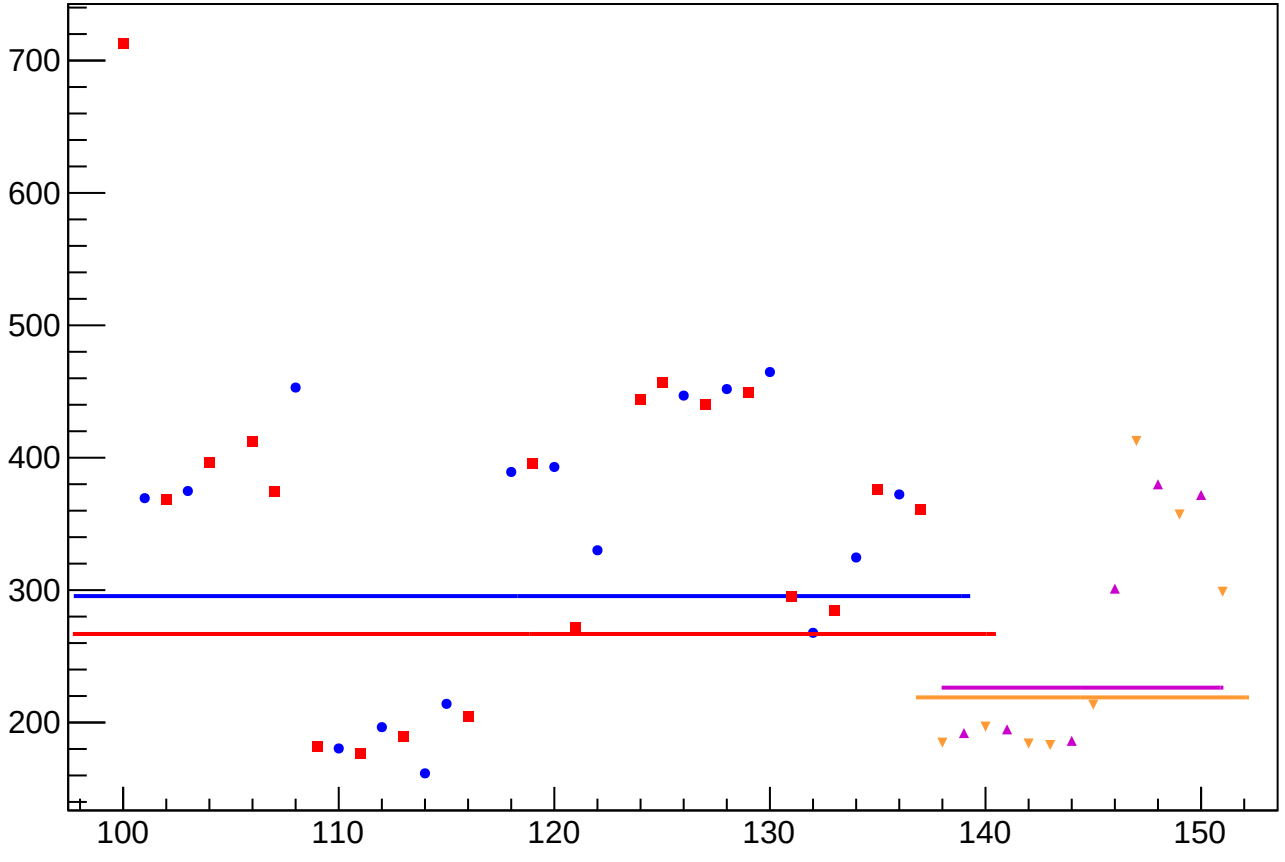
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134960.326+/-0.078 χ^2/NDF:335556393.8/21

Out: 135178.484+/-0.070 χ^2/NDF:491493230.9/26

All: 135081.372+/-0.052 χ^2/NDF: 83134721

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 218.955+/-0.066 χ^2/NDF:885654.6/7

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 226.324+/-0.074 χ^2/NDF:823242.0/5

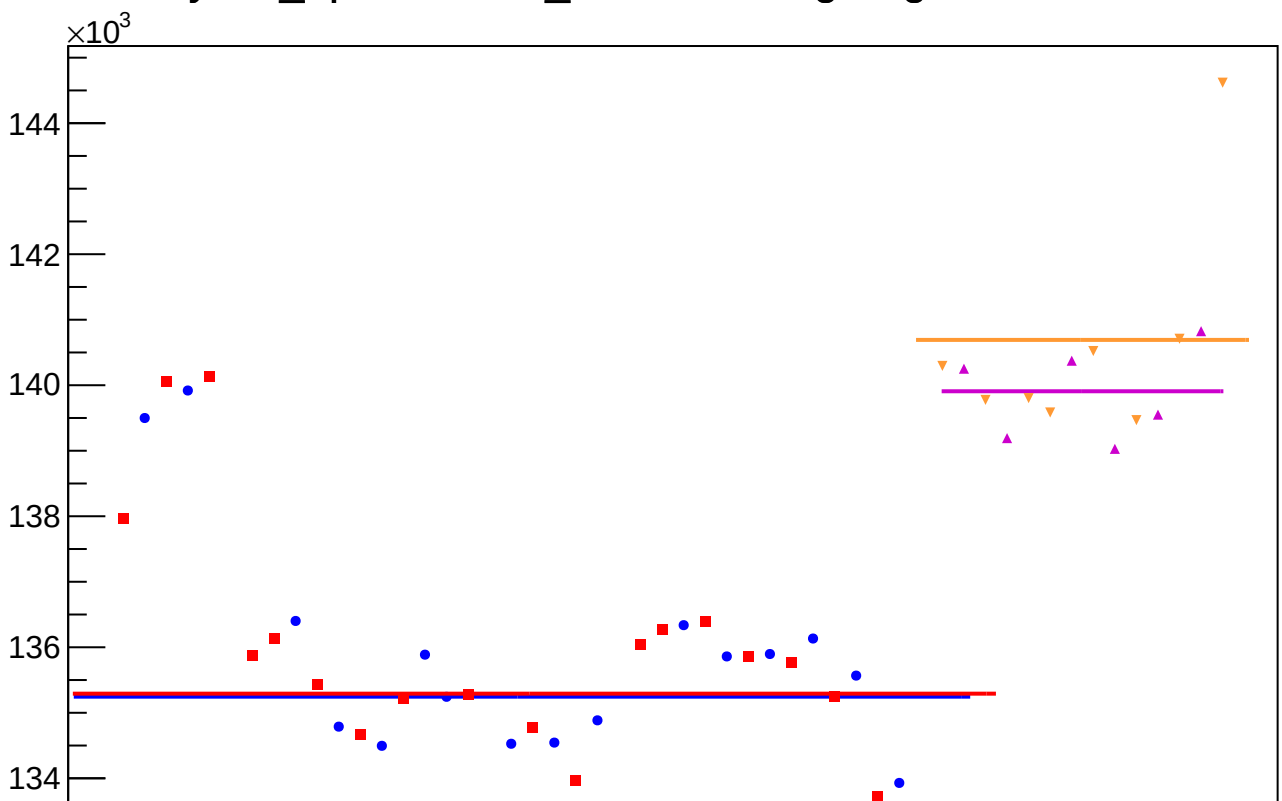
Left: 222.226+/-0.049 χ^2/NDF: 1714413.6/13

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 256.661+/-0.055 χ^2/NDF:2649092.9/21

Out: 239.835+/-0.050 χ^2/NDF:2792689.0/26

All: 247.325+/-0.037 χ^2/NDF: 5492911.2/48



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 140691.817+/-0.079 χ^2/NDF:449723757.8/7

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 139907.846+/-0.090 χ^2/NDF:48292668.8/5

Left: 140352.937+/-0.059 χ^2/NDF: 540883618.7/13

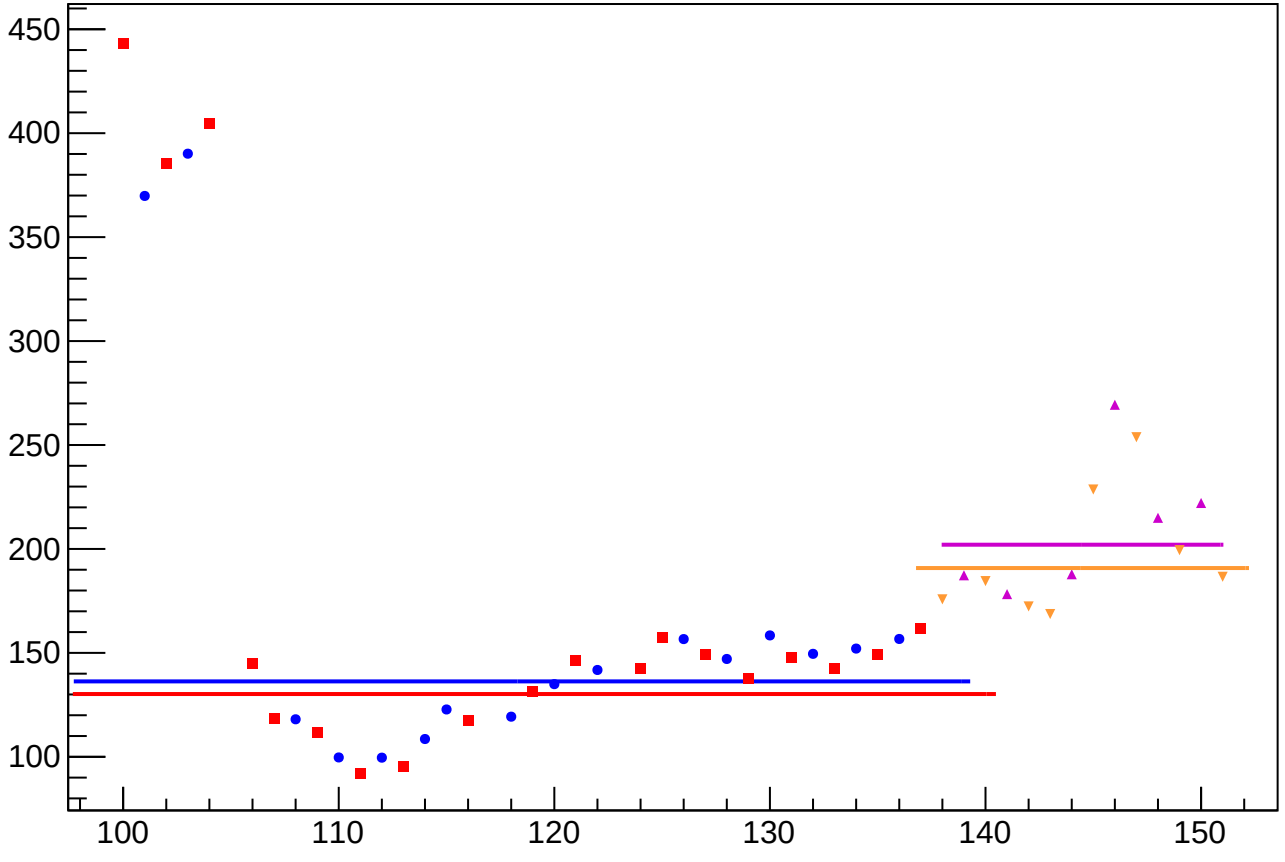
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 136499.944+/-0.047 χ^2/NDF:2388305337.8/21

Out: 136921.194+/-0.043 χ^2/NDF:4116880100.2/2

All: 136727.129+/-0.032 χ^2/NDF: 65489019

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 190.811+/-0.056 χ^2/NDF:192456.8/7

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 202.038+/-0.064 χ^2/NDF:176288.3/5

Left: 195.664+/-0.042 χ^2/NDF: 386328.7/13

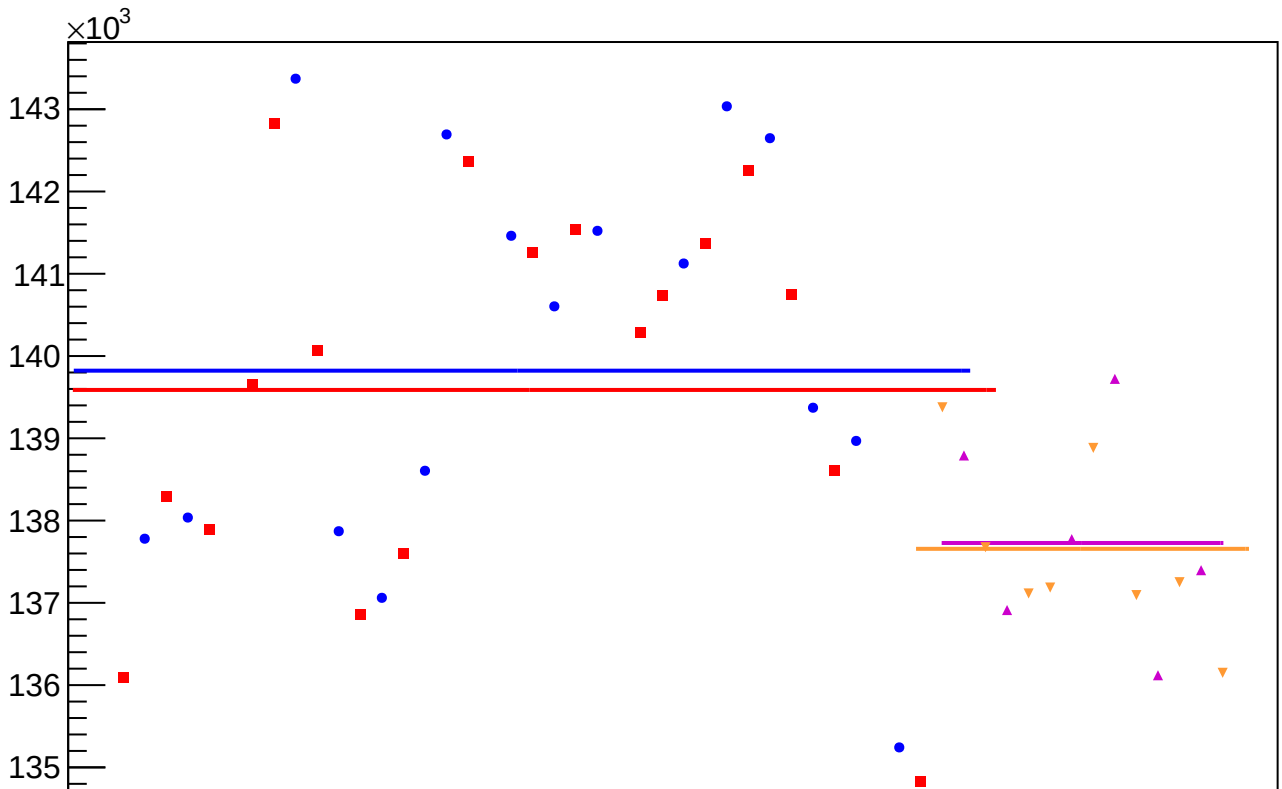
Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 153.968+/-0.033 χ^2/NDF:2336938.8/21

Out: 148.492+/-0.031 χ^2/NDF:2540949.5/26

All: 151.015+/-0.022 χ^2/NDF: 4892664.3/48

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137656.593+/-0.080 χ^2/NDF:164620006.1/7

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137727.649+/-0.091 χ^2/NDF:135131227.7/5

Left: 137687.466+/-0.060 χ^2/NDF: 300097209.9/13

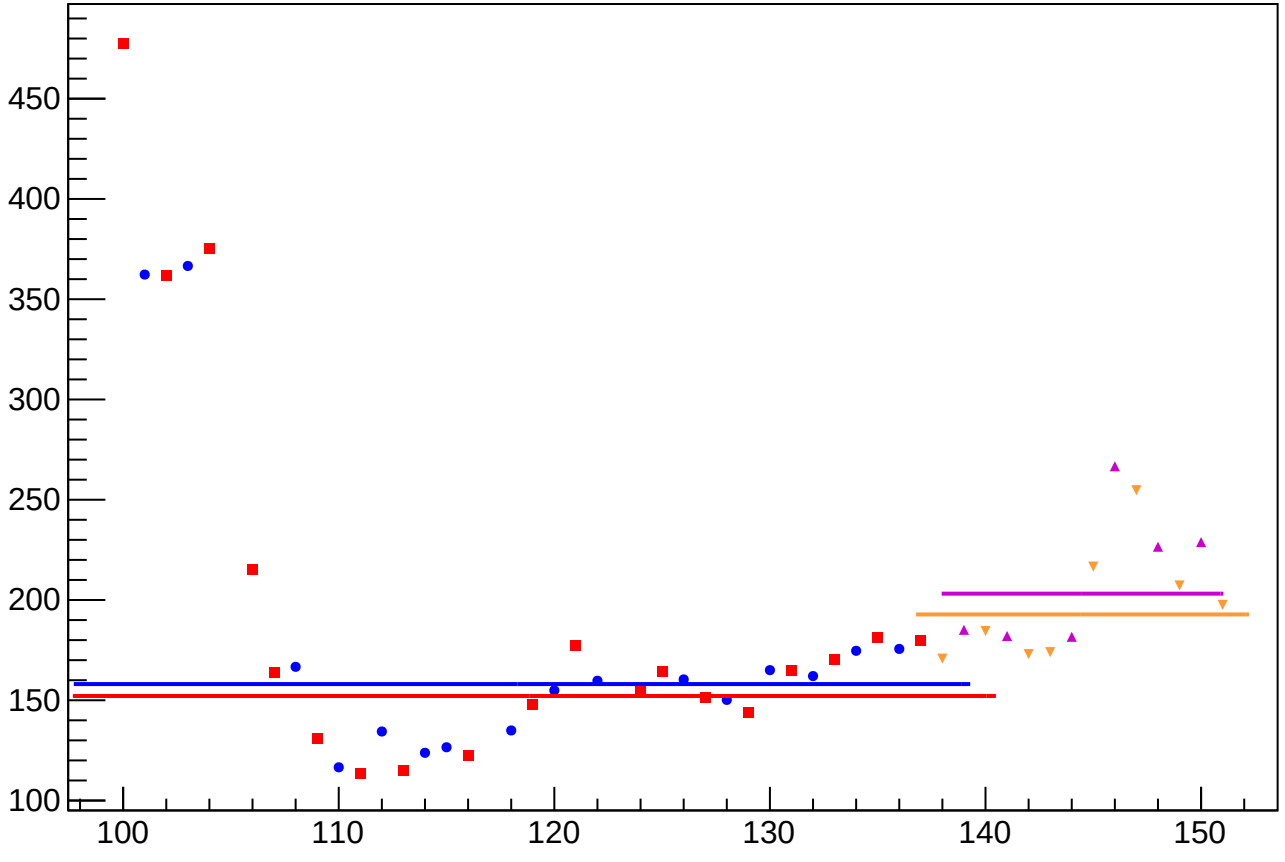
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 139147.901+/-0.052 χ^2/NDF:2158961042.6/21

Out: 138892.530+/-0.048 χ^2/NDF:2024010900.0/2

All: 139010.555+/-0.035 χ^2/NDF: 41961747(

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 192.802+/-0.056 χ^2/NDF:180623.6/7

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 203.161+/-0.064 χ^2/NDF:200780.0/5

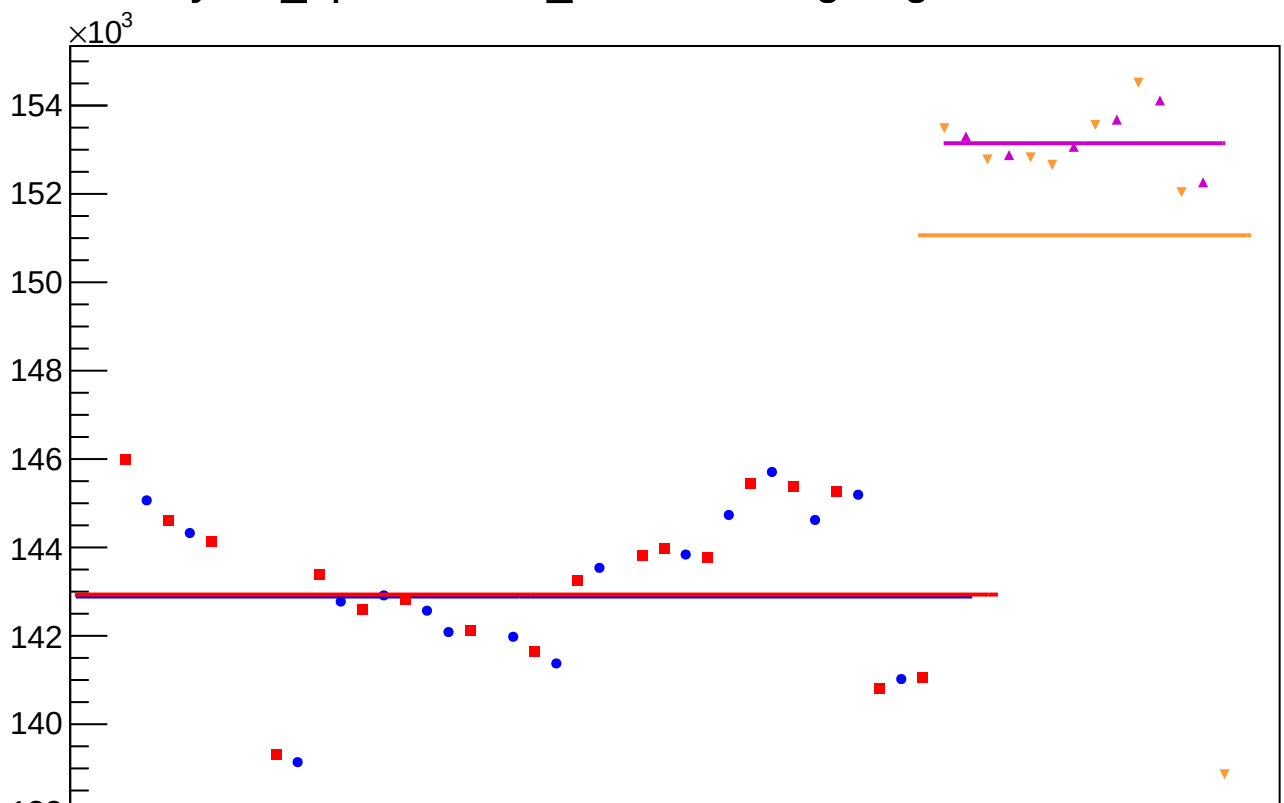
Left: 197.303+/-0.042 χ^2/NDF: 396109.8/13

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 172.591+/-0.036 χ^2/NDF:1552697.3/21

Out: 166.780+/-0.034 χ^2/NDF:1743460.9/26

All: 169.466+/-0.025 χ^2/NDF: 3309834.7/48



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 151064.077+/-0.080 χ^2/NDF:3807317702.6/7

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 153145.754+/-0.091 χ^2/NDF:33717374.9/5

Left: 151970.287+/-0.060 χ^2/NDF: 4136365724.2/1

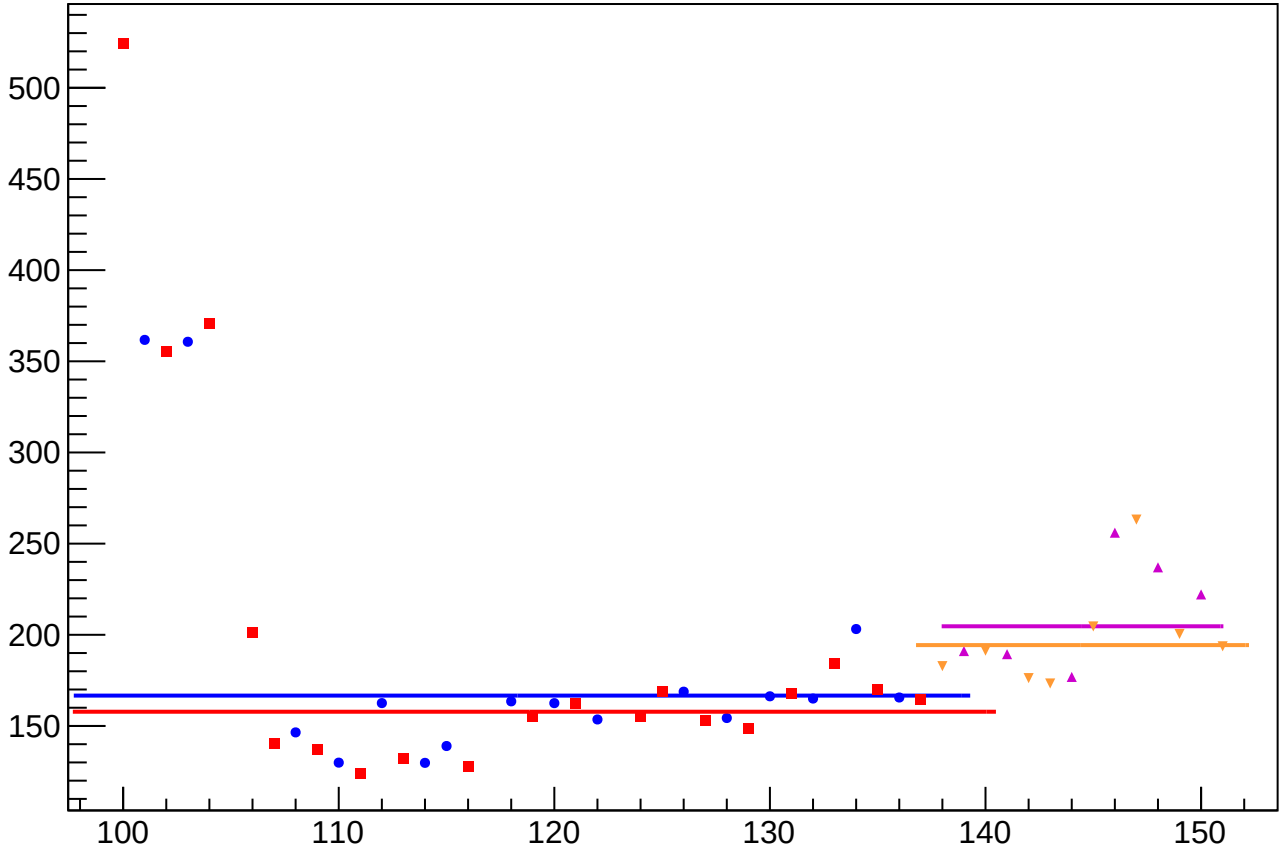
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 146401.390+/-0.053 χ^2/NDF:9145728811.5/21

Out: 145959.860+/-0.049 χ^2/NDF:11091449771.4

All: 146161.161+/-0.036 χ^2/NDF: 20274564

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 194.351+/-0.057 χ^2/NDF:155649.0/7

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 204.671+/-0.064 χ^2/NDF:174101.8/5

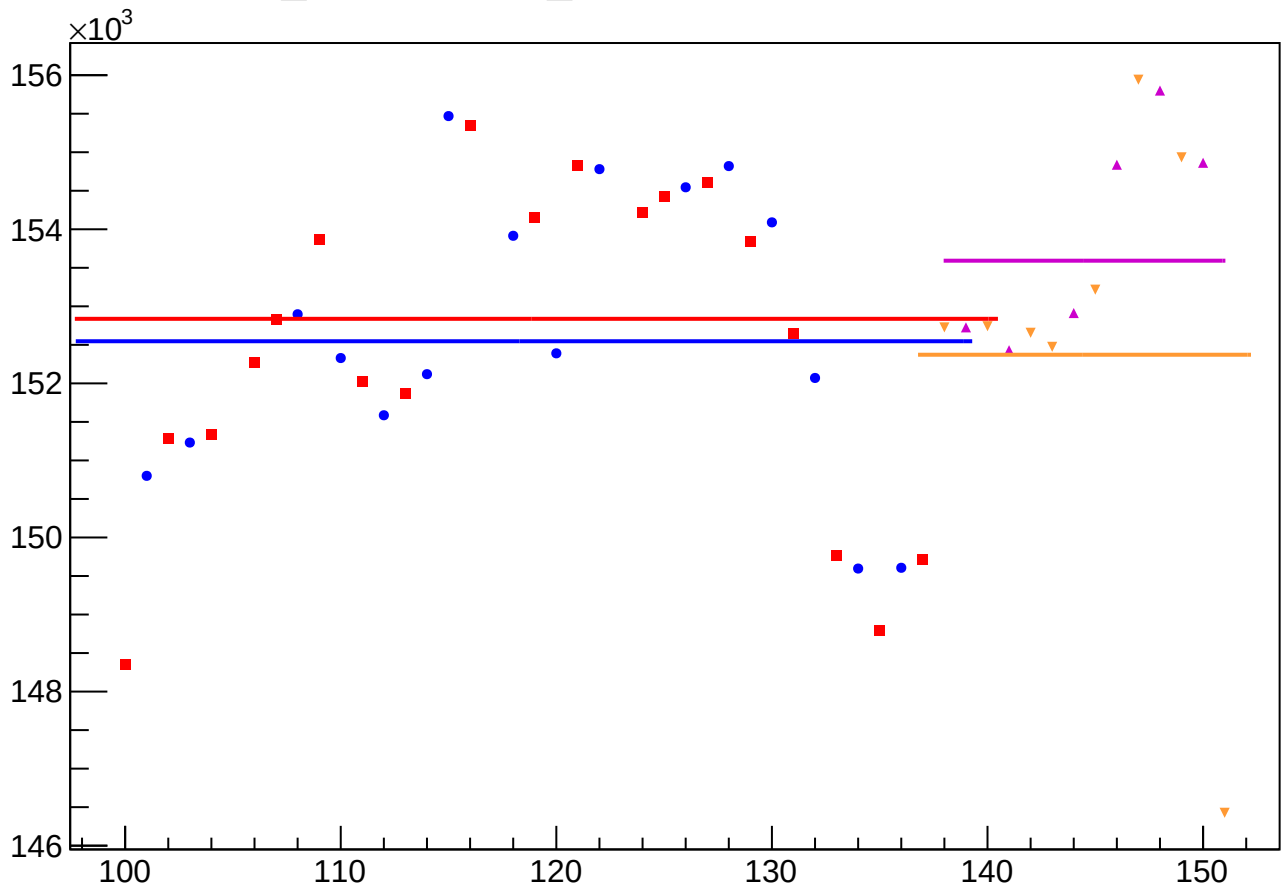
Left: 198.844+/-0.042 χ^2/NDF: 344265.7/13

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 179.673+/-0.038 χ^2/NDF:1267056.9/21

Out: 171.410+/-0.034 χ^2/NDF:1440475.2/26

All: 175.177+/-0.025 χ^2/NDF: 2733723.8/48



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 152371.796+/-0.080 χ^2/NDF:1012462009.5/7

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 153592.305+/-0.092 χ^2/NDF:175277289.0/5

Left: 152897.043+/-0.061 χ^2/NDF: 1287341784.1/1

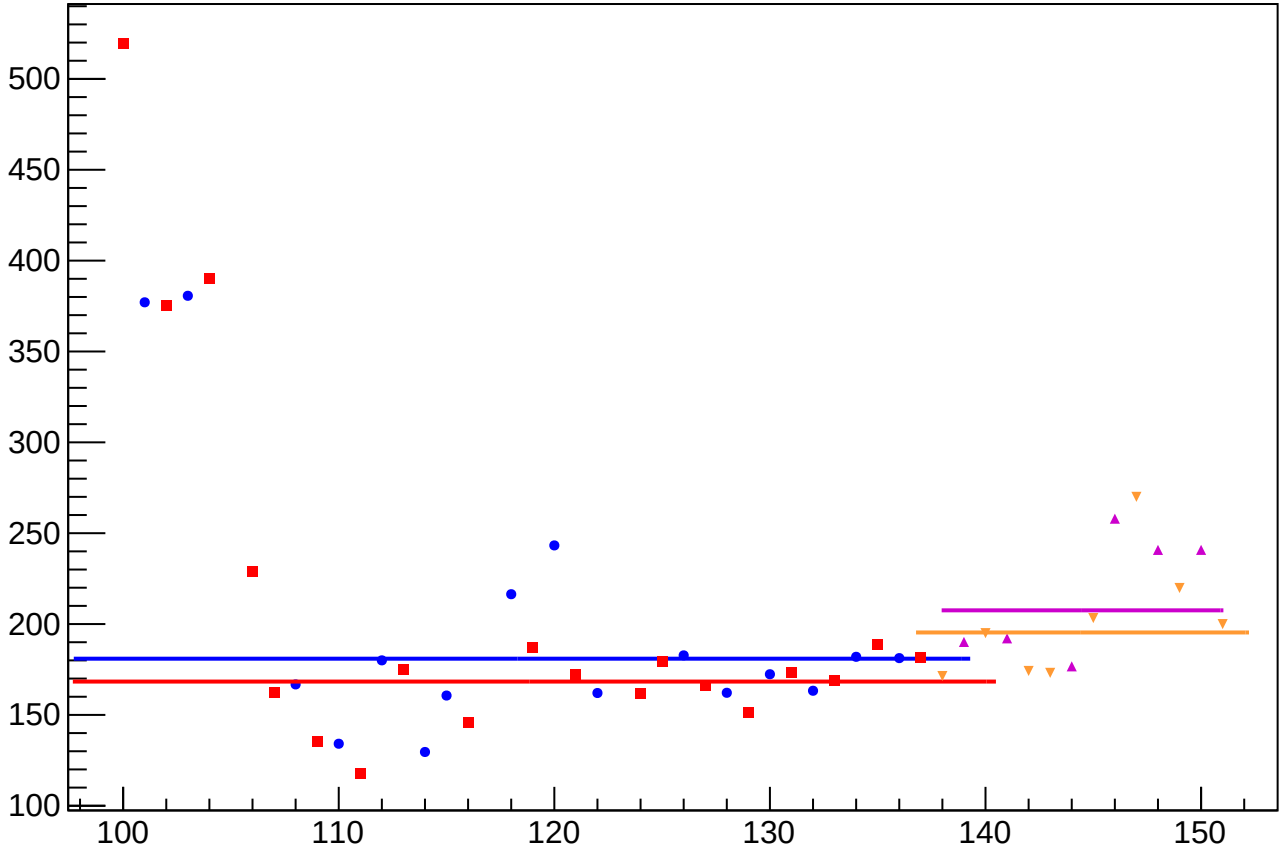
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152946.564+/-0.057 χ^2/NDF:909054141.4/21

Out: 152647.526+/-0.051 χ^2/NDF:1769336500.6/2

All: 152781.082+/-0.038 χ^2/NDF: 26935837

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.372+/-0.057 χ^2/NDF:217147.7/7

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 207.548+/-0.065 χ^2/NDF:210688.8/5

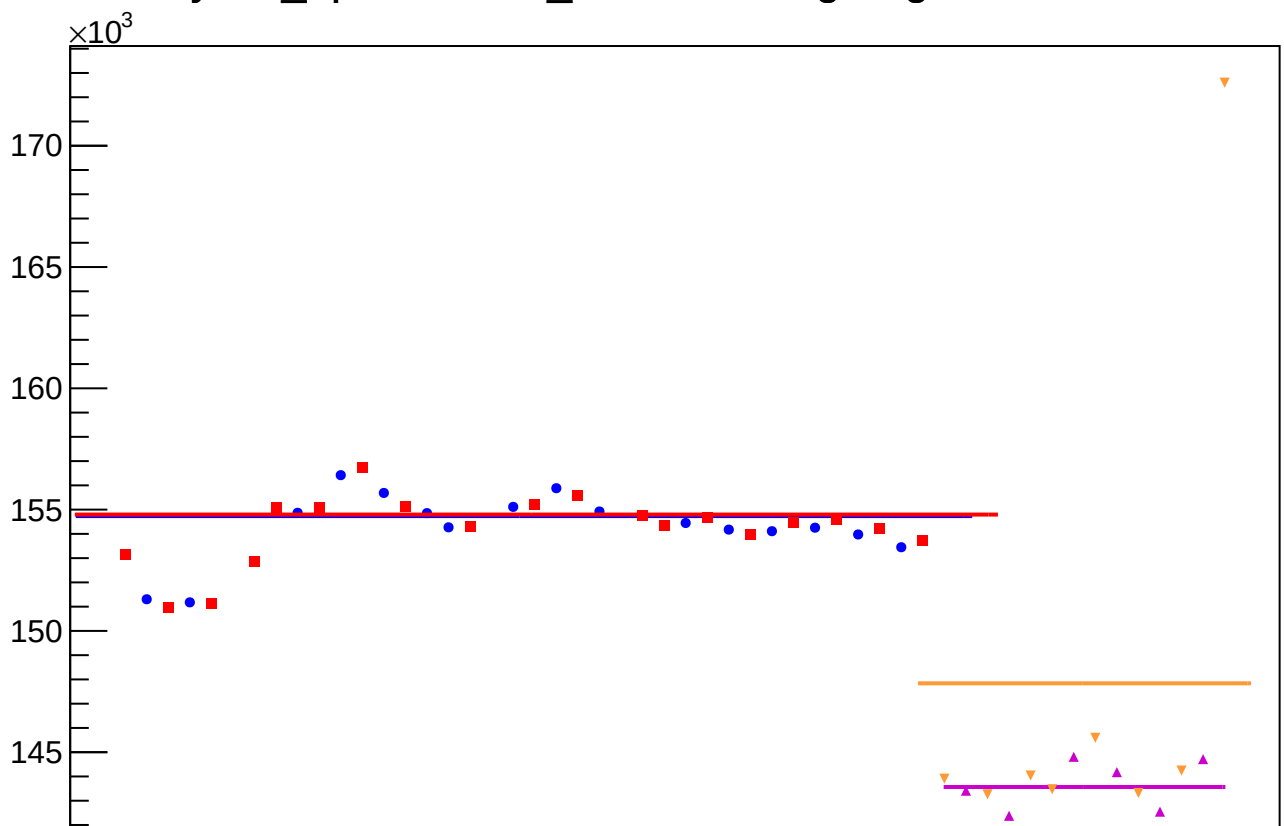
Left: 200.612+/-0.043 χ^2/NDF: 447663.2/13

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 191.112+/-0.040 χ^2/NDF:1221123.8/21

Out: 179.386+/-0.036 χ^2/NDF:1440475.3/26

All: 184.623+/-0.027 χ^2/NDF: 2708319.0/48



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 147839.744+/-0.073 χ^2/NDF:18765146321.0/7

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 143566.302+/-0.081 χ^2/NDF:149857660.0/5

Left: 145940.233+/-0.054 χ^2/NDF: 20454340294.9

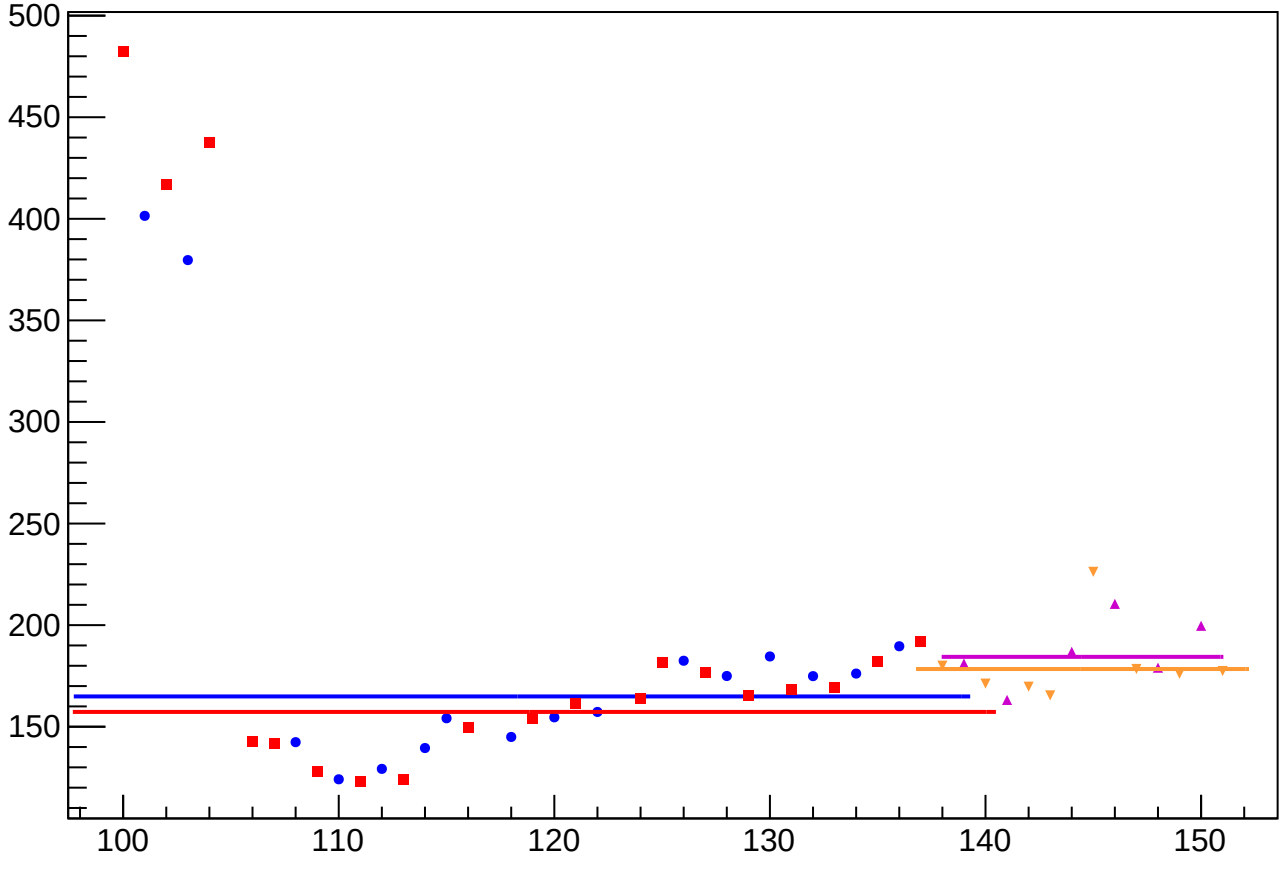
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 150354.913+/-0.051 χ^2/NDF:11927010475.5/2

Out: 151914.511+/-0.047 χ^2/NDF:24444359263.0

All: 151200.063+/-0.034 χ^2/NDF: 36881480

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 178.398+/-0.051 χ^2/NDF:87438.3/7

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 184.392+/-0.057 χ^2/NDF:69102.8/5

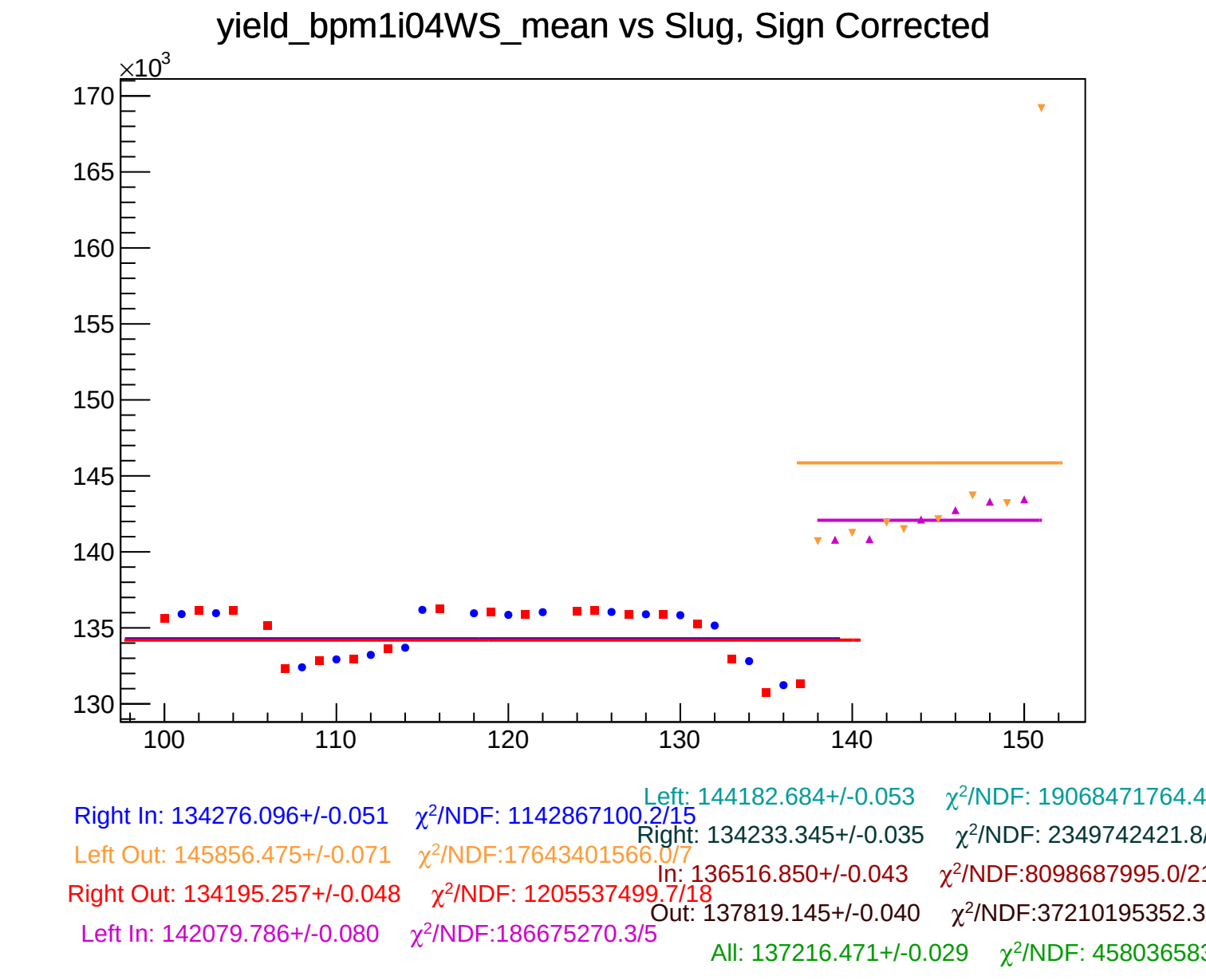
Left: 181.062+/-0.038 χ^2/NDF: 162598.8/13

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

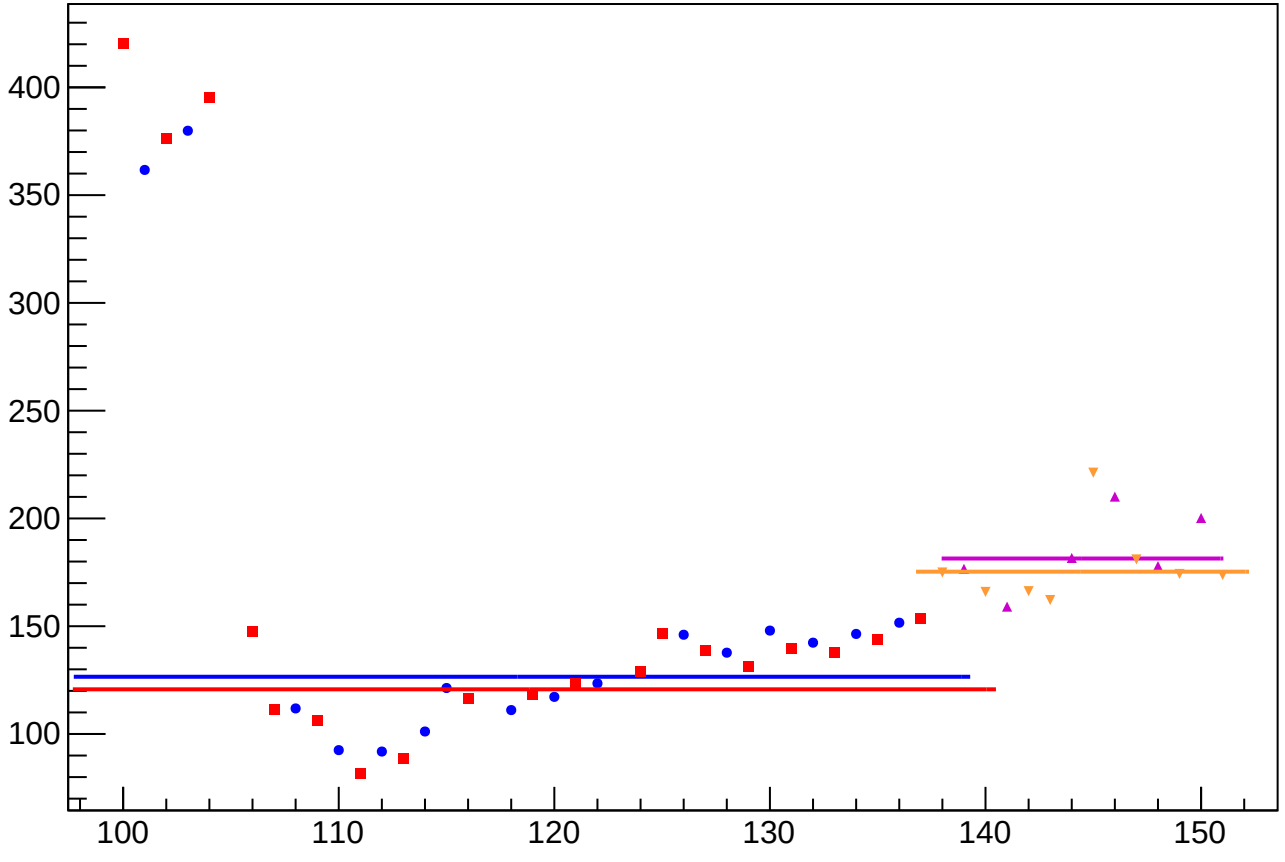
In: 172.546+/-0.036 χ^2/NDF:1211881.1/21

Out: 166.029+/-0.033 χ^2/NDF:1441316.2/26

All: 169.015+/-0.024 χ^2/NDF: 2671012.2/48


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 145856.475+/-0.071 χ²/NDF:17643401566.0/7
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 142079.786+/-0.080 χ²/NDF:186675270.3/5
Left: 144182.684+/-0.053 χ²/NDF: 19068471764.4
Right: 134233.345+/-0.035 χ²/NDF: 2349742421.8/
In: 136516.850+/-0.043 χ²/NDF:8098687995.0/21
Out: 137819.145+/-0.040 χ²/NDF:37210195352.3
All: 137216.471+/-0.029 χ²/NDF: 45803658

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 175.309+/-0.051 χ^2/NDF:89377.1/7

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 181.410+/-0.057 χ^2/NDF:84306.8/5

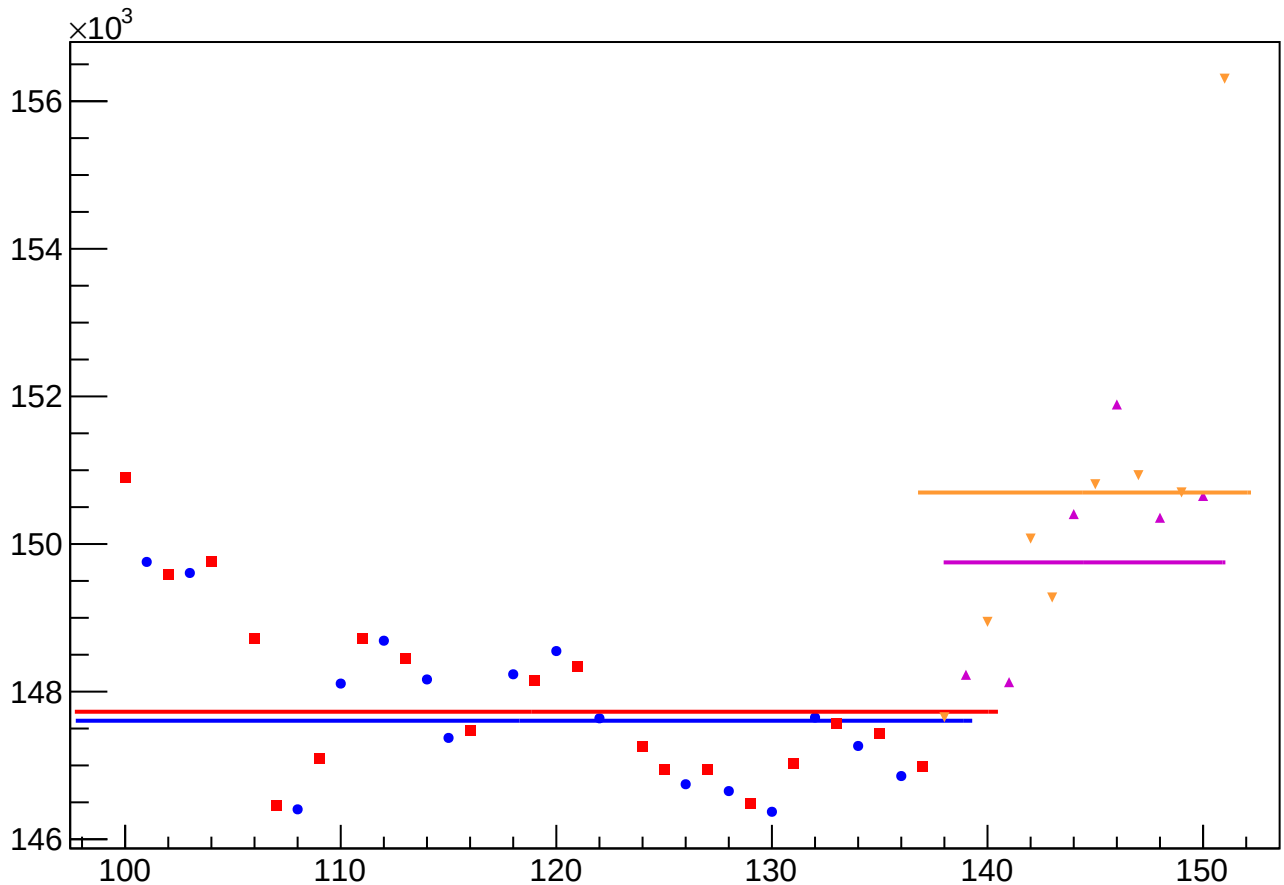
Left: 178.013+/-0.038 χ^2/NDF: 180146.8/13

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

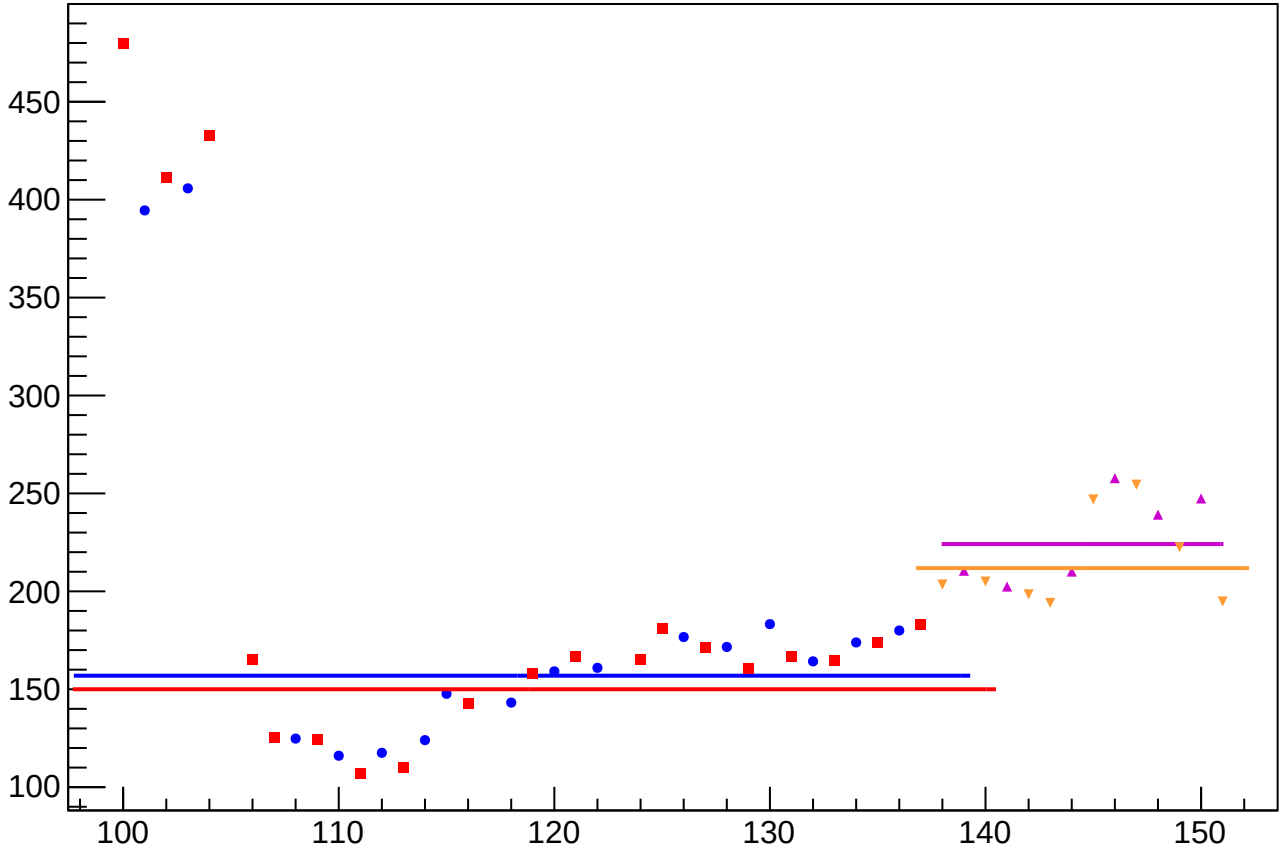
In: 142.303+/-0.030 χ^2/NDF:2230793.2/21

Out: 137.687+/-0.028 χ^2/NDF:2526763.4/26

All: 139.823+/-0.021 χ^2/NDF: 4769992.3/48


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
156
154
152
150
148
146
100
110
120
130
140
150
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 150697.940+/-0.086 χ²/NDF:963681436.6/7
Right Out: 147727.598+/-0.059 χ²/NDF: 194800119.4/18
Left In: 149751.137+/-0.099 χ²/NDF:186462411.5/5
Left: 150287.600+/-0.065 χ²/NDF: 1202245610.1/1
Right: 147670.157+/-0.043 χ²/NDF: 397331184.2/3
In: 148219.010+/-0.053 χ²/NDF:724172266.4/21
Out: 148671.445+/-0.049 χ²/NDF:1965717619.7/2
All: 148463.552+/-0.036 χ²/NDF: 27295862

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 211.869+/-0.061 χ^2/NDF:116544.3/7

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 224.145+/-0.070 χ^2/NDF:87296.9/5

Left: 217.190+/-0.046 χ^2/NDF: 221357.6/13

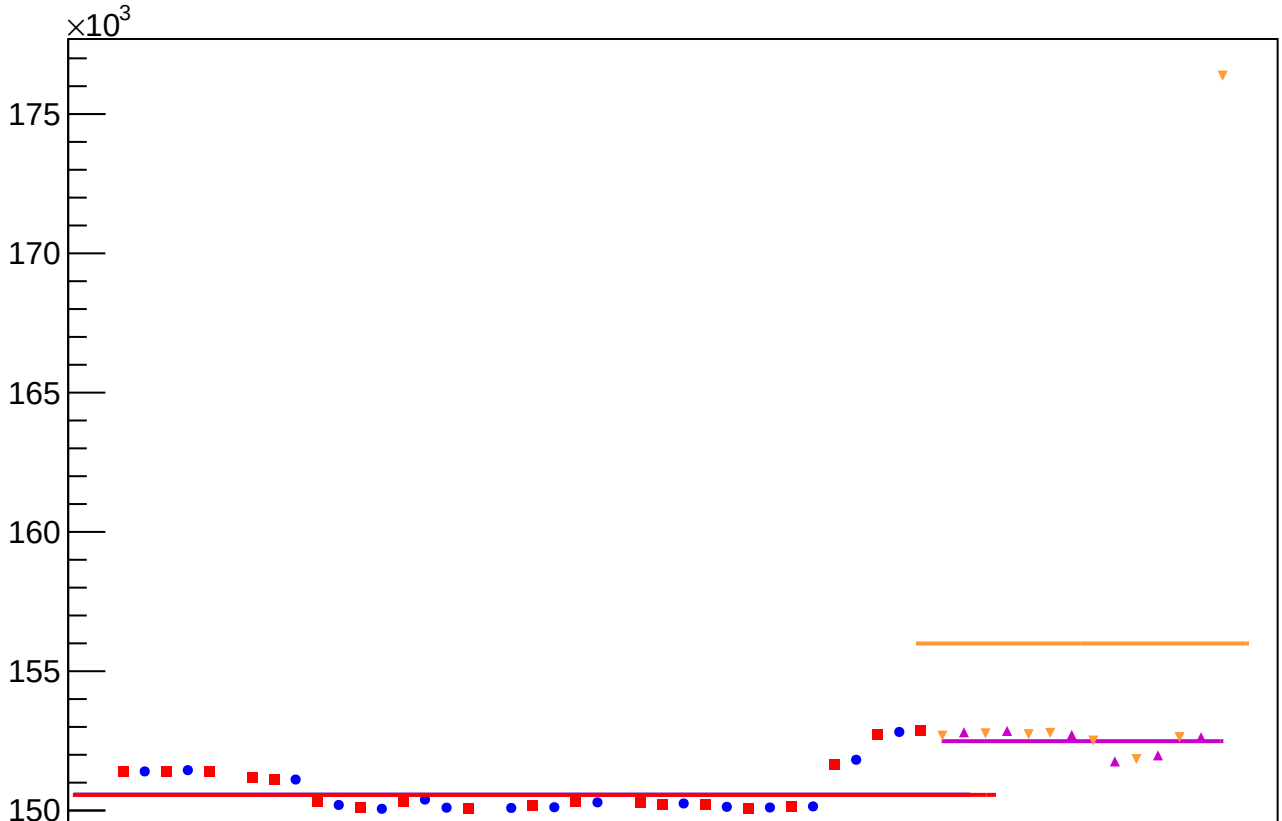
Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 176.145+/-0.037 χ^2/NDF:2014997.0/21

Out: 169.655+/-0.034 χ^2/NDF:2271047.8/26

All: 172.637+/-0.025 χ^2/NDF: 4302377.4/48

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 155993.916+/-0.071 χ^2/NDF:13933218406.8/7

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 152488.696+/-0.080 χ^2/NDF:27152182.9/5

Left: 154443.416+/-0.053 χ^2/NDF: 15039987408.9

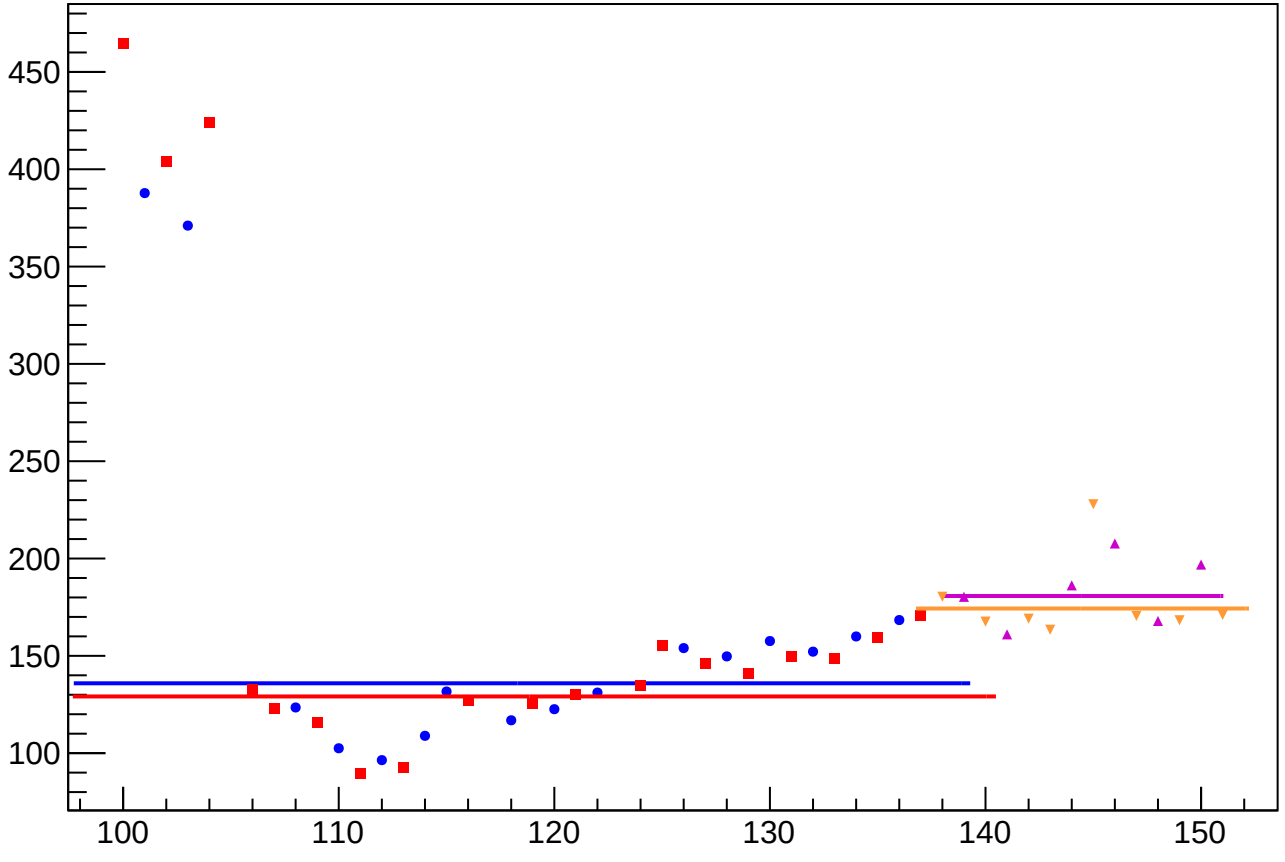
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 151182.463+/-0.045 χ^2/NDF:659496560.1/21

Out: 152411.367+/-0.041 χ^2/NDF:17996668250.8/

All: 151848.588+/-0.030 χ^2/NDF: 19059636

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.314+/-0.050 χ^2/NDF:104939.5/7

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.751+/-0.056 χ^2/NDF:78697.0/5

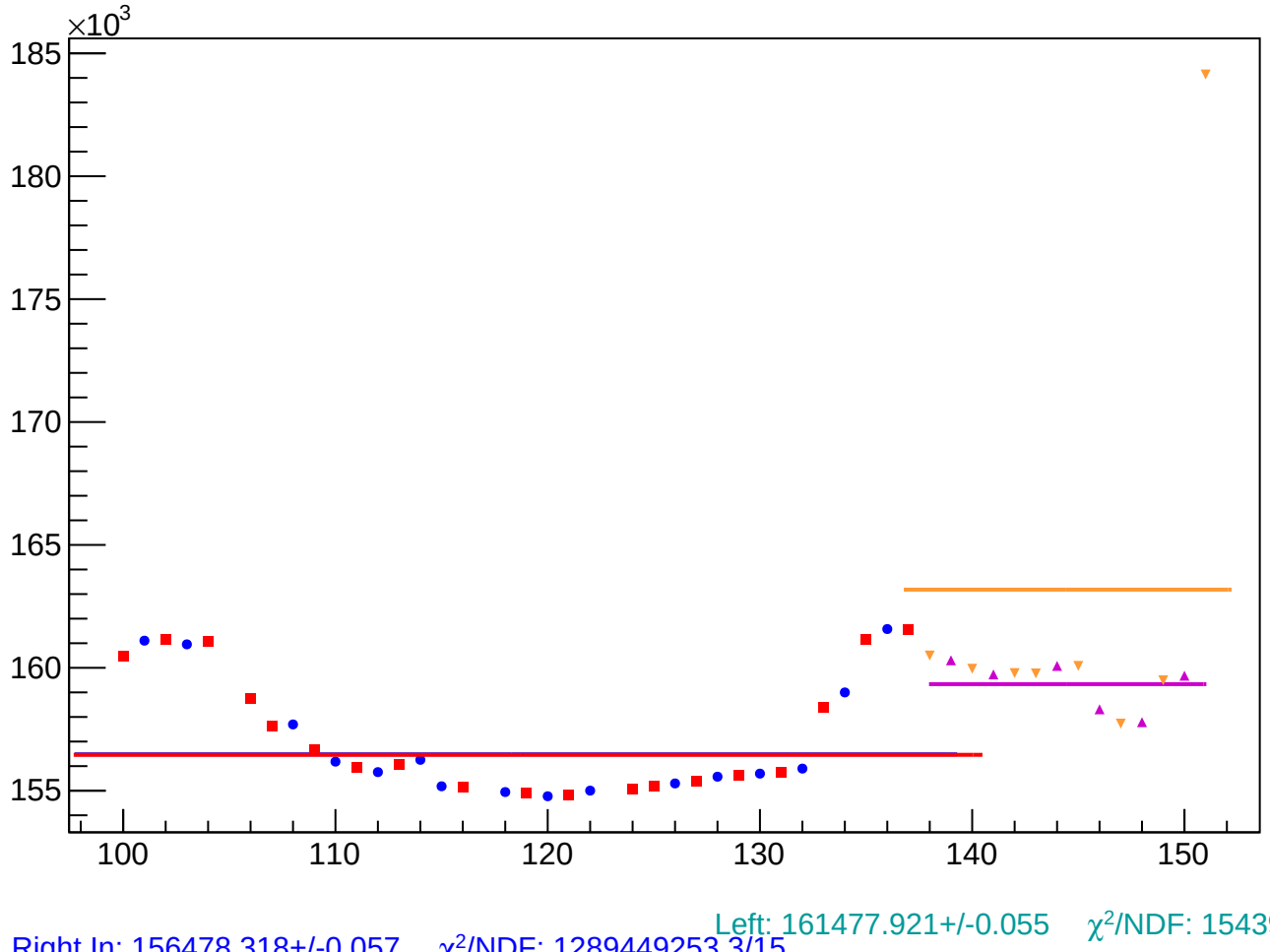
Left: 177.161+/-0.037 χ^2/NDF: 190918.7/13

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

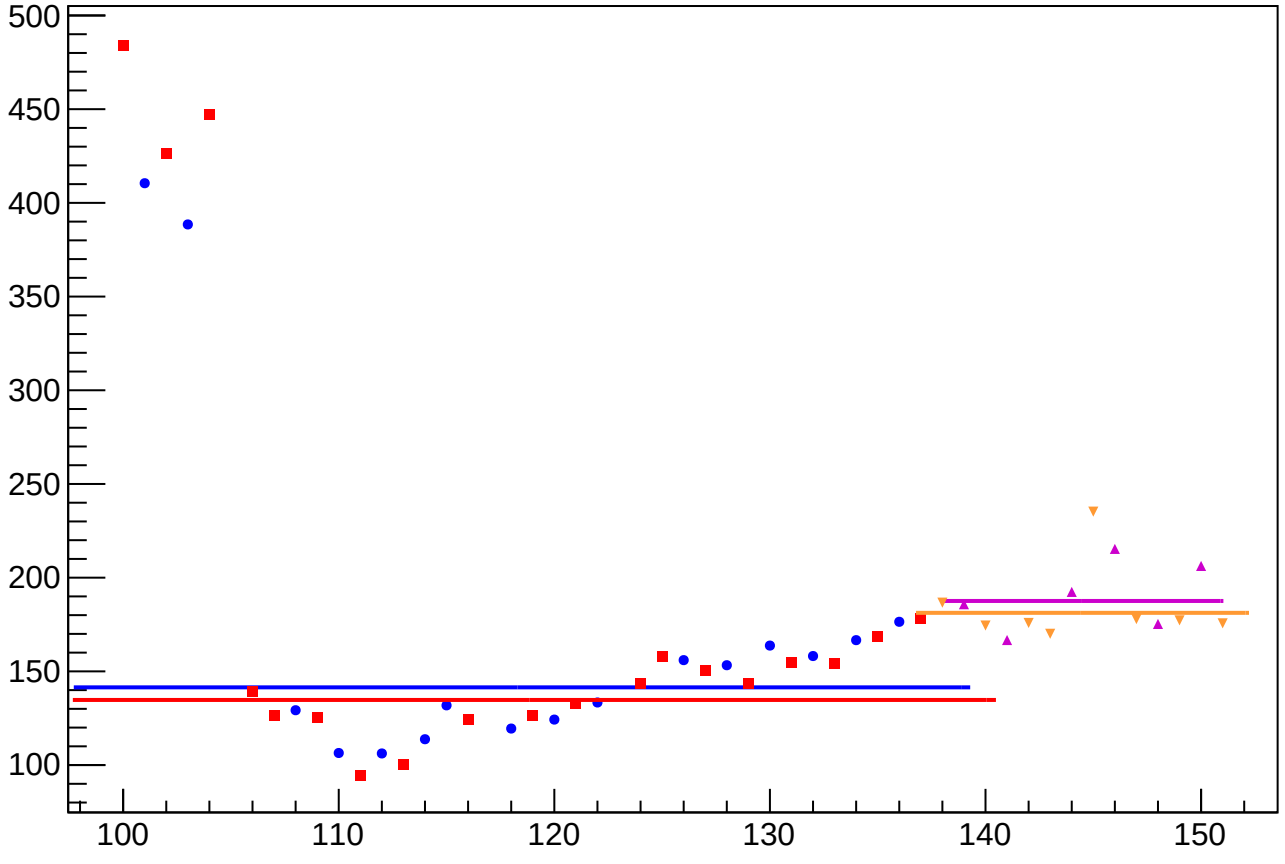
In: 150.236+/-0.032 χ^2/NDF:1926380.0/21

Out: 144.516+/-0.029 χ^2/NDF:2254165.6/26

All: 147.135+/-0.022 χ^2/NDF: 4198028.7/48


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 163180.986+/-0.074 χ²/NDF:14107467724.0/7
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 159336.155+/-0.083 χ²/NDF:127526361.8/5
Left: 161477.921+/-0.055 χ²/NDF: 15439645680.6
Right: 156468.838+/-0.039 χ²/NDF: 2390033091.6
In: 157394.950+/-0.047 χ²/NDF:2228536337.5/21
Out: 158757.449+/-0.043 χ²/NDF:20677151366.2
All: 158132.505+/-0.032 χ²/NDF: 23364025

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 181.233+/-0.052 χ^2/NDF:99576.5/7

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 187.570+/-0.058 χ^2/NDF:80301.5/5

Left: 184.040+/-0.039 χ^2/NDF: 186421.6/13

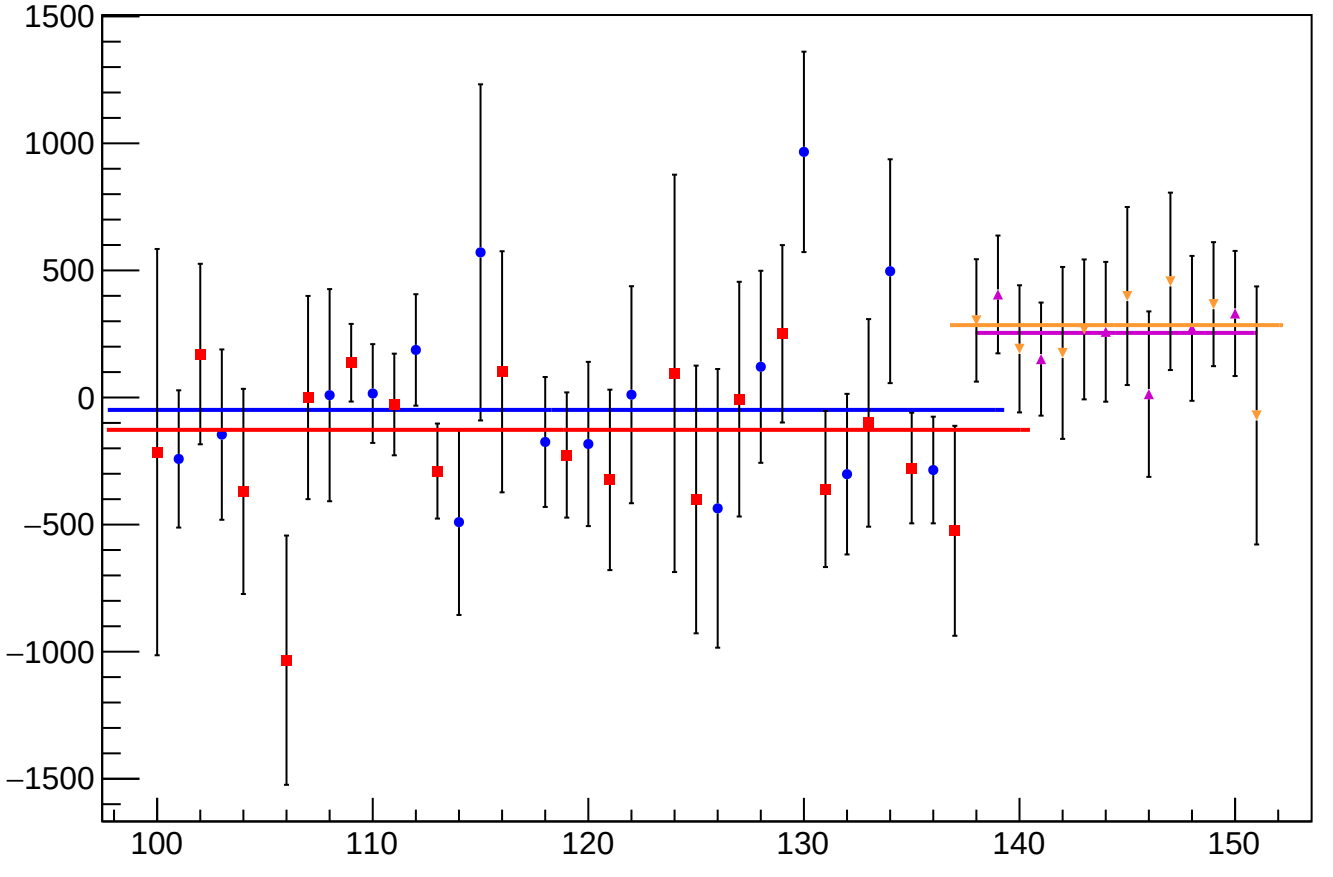
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 156.256+/-0.033 χ^2/NDF:1894586.7/21

Out: 150.634+/-0.030 χ^2/NDF:2202007.8/26

All: 153.213+/-0.022 χ^2/NDF: 4112202.1/48

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.826+/-104.138 χ^2/NDF:1.2/7

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 254.199+/-105.231 χ^2/NDF:1.3/5

Left: 269.672+/-74.020 χ^2/NDF: 2.5/13

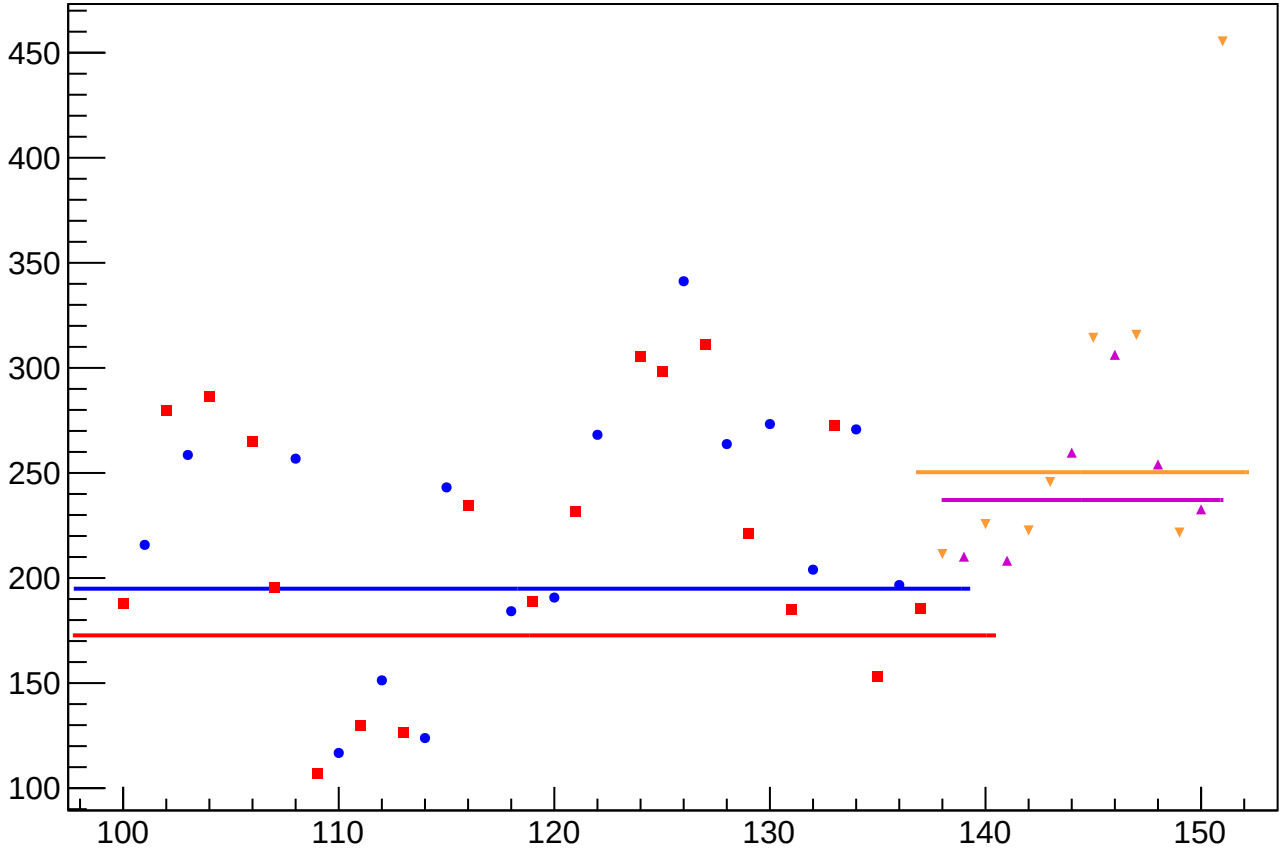
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 56.162+/-61.926 χ^2/NDF:22.1/21

Out: -2.784+/-57.233 χ^2/NDF:25.0/26

All: 24.371+/-42.031 χ^2/NDF: 47.6/48

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 250.368+/-0.074 χ^2/NDF:576528.0/7

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 237.131+/-0.074 χ^2/NDF:172028.9/5

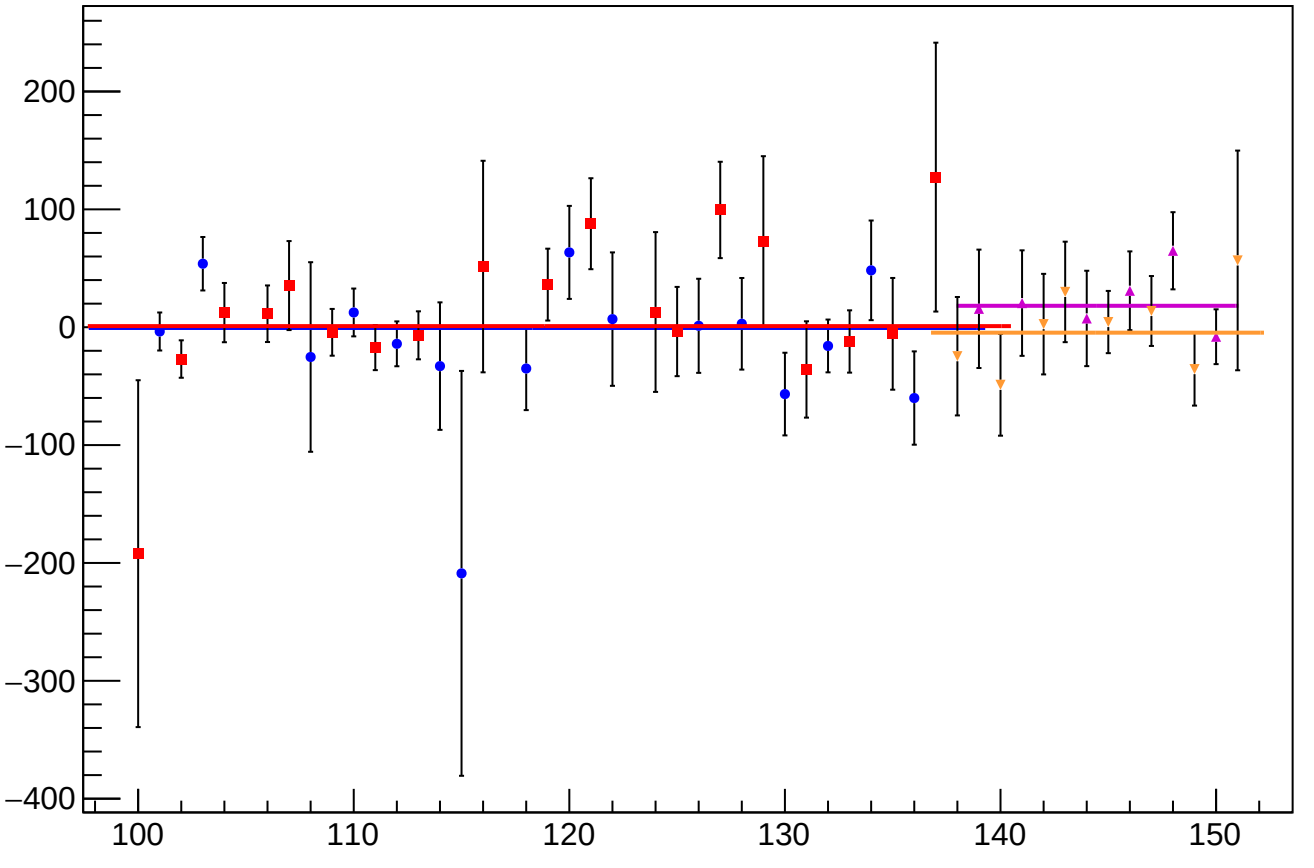
Left: 243.819+/-0.052 χ^2/NDF: 764545.2/13

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 209.539+/-0.044 χ^2/NDF:1411266.7/21

Out: 196.162+/-0.040 χ^2/NDF:2984270.1/26

All: 202.325+/-0.030 χ^2/NDF: 4445875.0/48



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.622+/-13.174 χ^2/NDF:3.8/7

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 18.186+/-13.887 χ^2/NDF:3.5/5

Left: 6.182+/-9.558 χ^2/NDF: 8.8/13

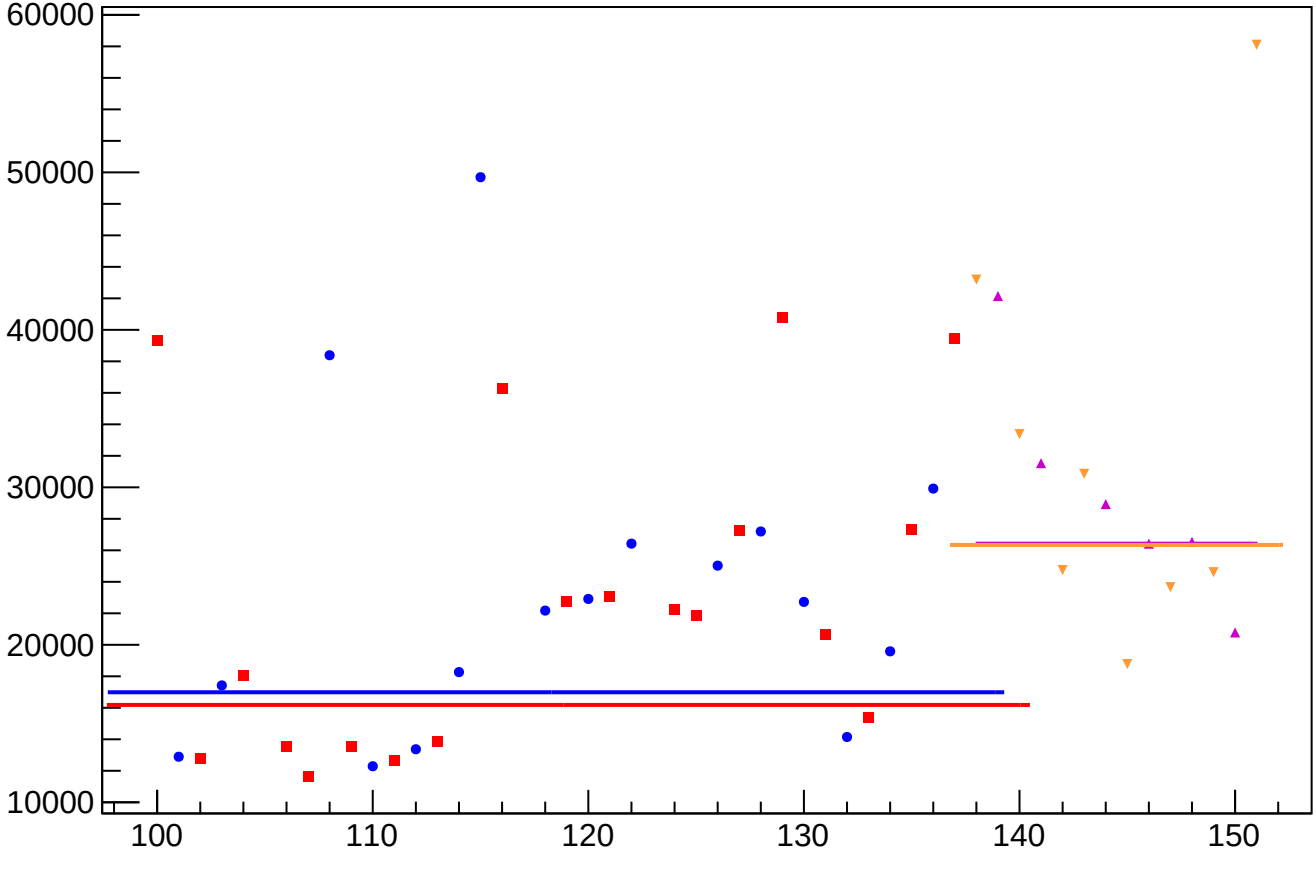
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 3.484+/-6.490 χ^2/NDF:23.8/21

Out: -0.223+/-6.019 χ^2/NDF:27.0/26

All: 1.491+/-4.413 χ^2/NDF: 51.0/48

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 26343.216+/-9.316 χ^2/NDF:722314.7/7

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 26423.582+/-9.820 χ^2/NDF:347489.5/5

Left: 26381.283+/-6.758 χ^2/NDF: 1069839.4/13

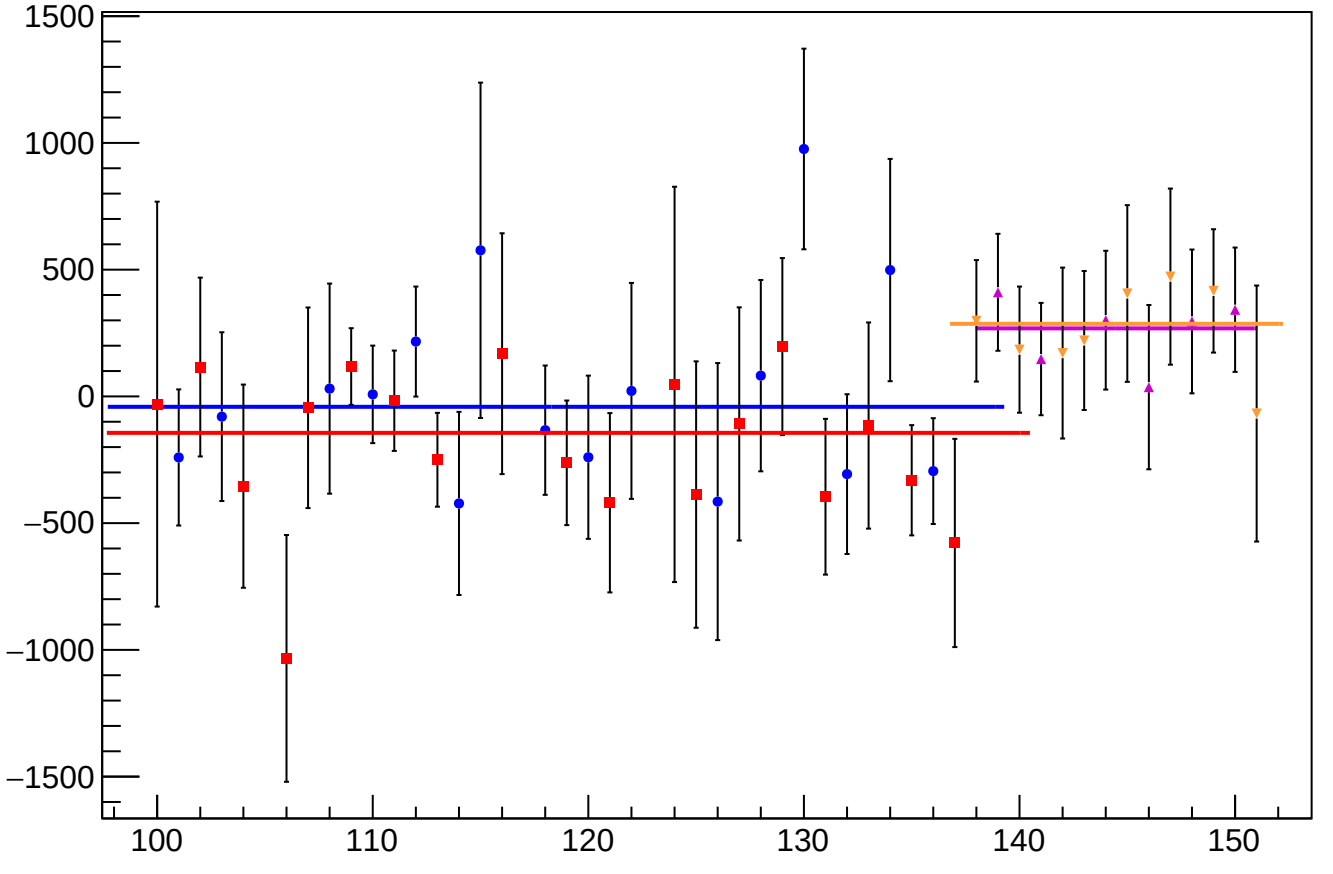
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 19047.232+/-4.589 χ^2/NDF:2263505.4/21

Out: 18303.235+/-4.256 χ^2/NDF:2915238.3/26

All: 18647.310+/-3.121 χ^2/NDF: 5192874.0/4

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 286.354+/-103.703 χ^2/NDF:1.5/7

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 268.324+/-104.790 χ^2/NDF:1.3/5

Left: 277.433+/-73.711 χ^2/NDF: 2.8/13

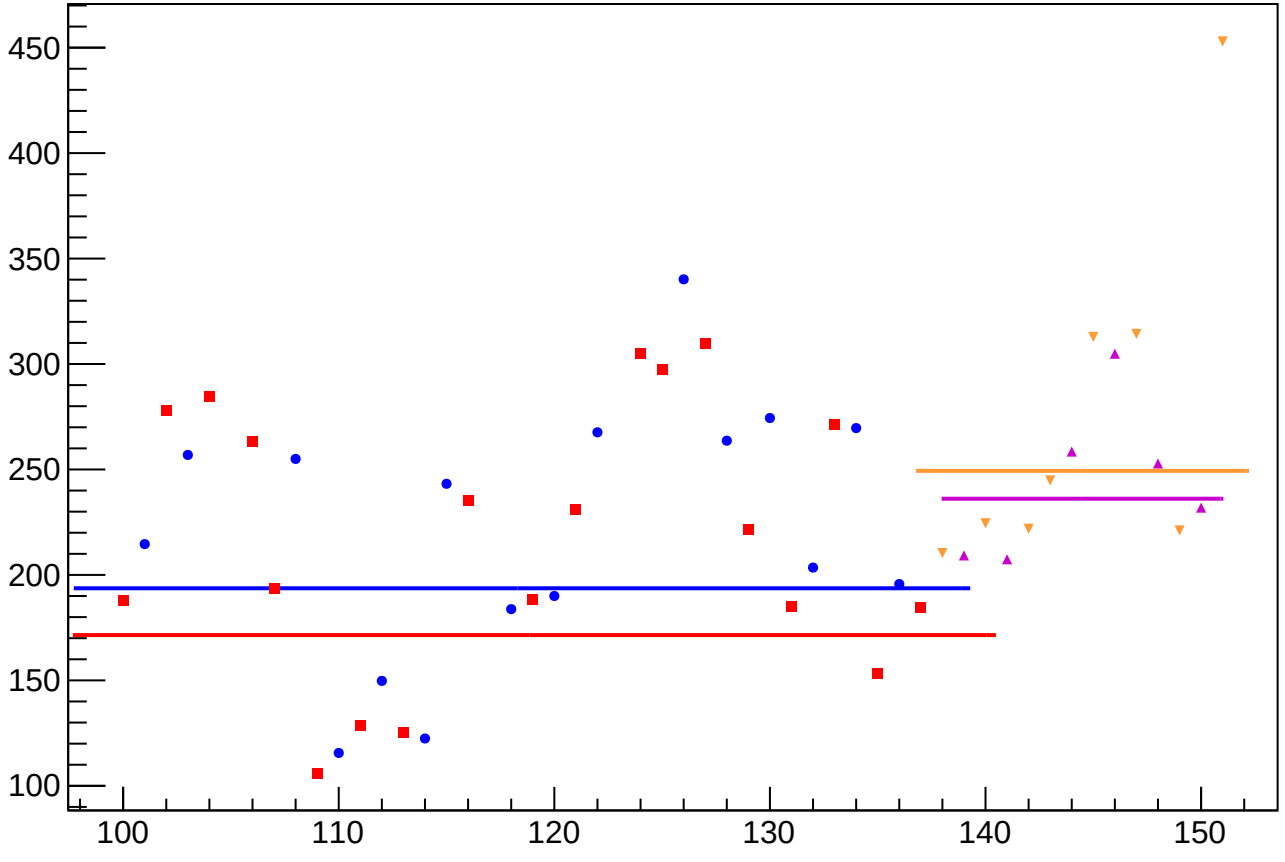
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 65.878+/-61.606 χ^2/NDF:22.5/21

Out: -14.261+/-56.912 χ^2/NDF:26.6/26

All: 22.639+/-41.804 χ^2/NDF: 49.9/48

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 249.339+/-0.073 χ^2/NDF:575025.1/7

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 236.139+/-0.074 χ^2/NDF:171661.7/5

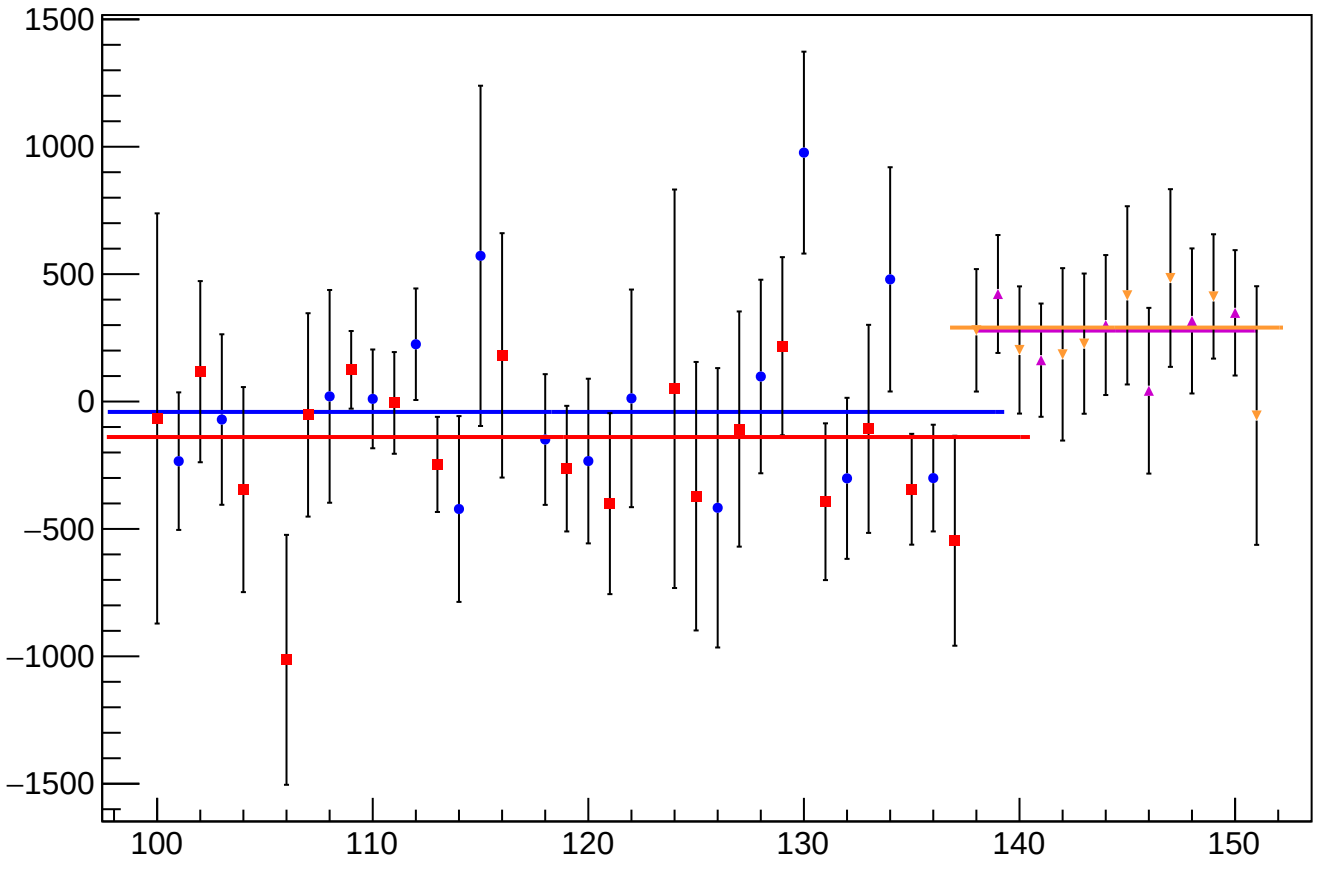
Left: 242.808+/-0.052 χ^2/NDF: 762719.3/13

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 208.349+/-0.044 χ^2/NDF:1436395.5/21

Out: 194.932+/-0.040 χ^2/NDF:3015769.3/26

All: 201.110+/-0.030 χ^2/NDF: 4503342.9/48



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 290.244+/-104.044 χ^2/NDF:1.4/7

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 278.526+/-105.124 χ^2/NDF:1.3/5

Left: 284.445+/-73.949 χ^2/NDF: 2.7/13

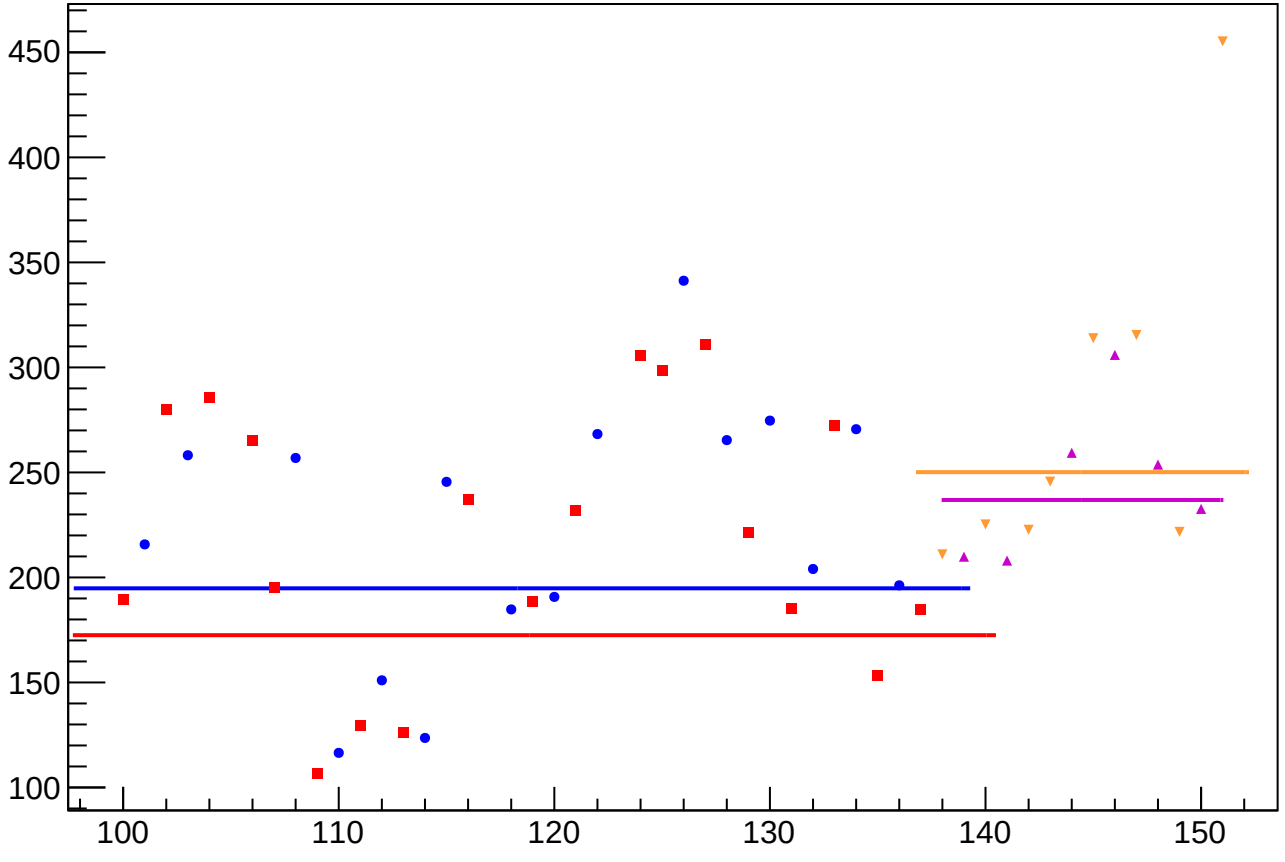
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 69.907+/-61.897 χ^2/NDF:22.7/21

Out: -9.514+/-57.190 χ^2/NDF:26.2/26

All: 27.062+/-42.005 χ^2/NDF: 49.8/48

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 250.132+/-0.074 χ^2/NDF:577005.1/7

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 236.881+/-0.074 χ^2/NDF:172153.9/5

Left: 243.575+/-0.052 χ^2/NDF: 765211.6/13

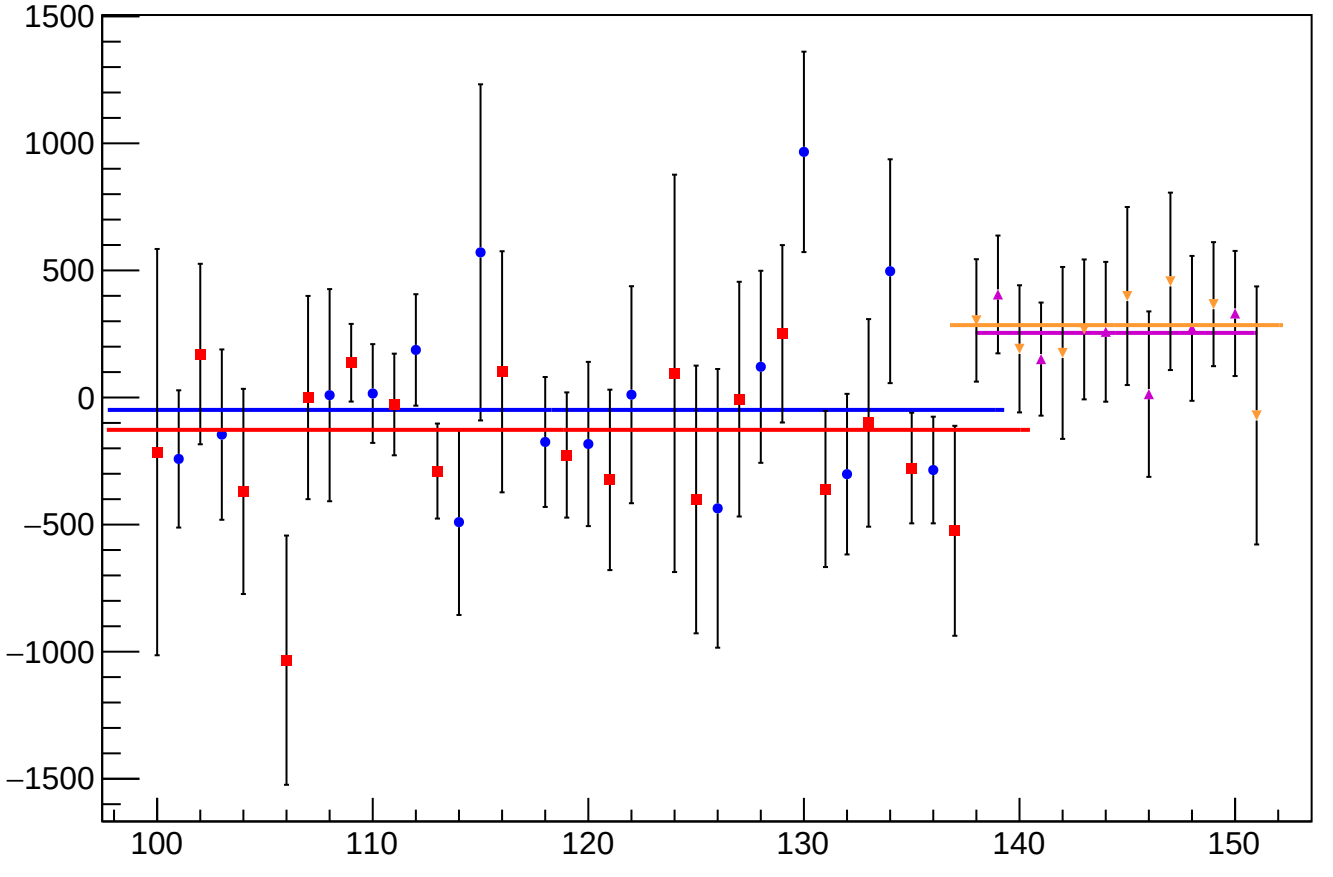
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 209.402+/-0.044 χ^2/NDF:1420428.3/21

Out: 195.960+/-0.040 χ^2/NDF:2995976.1/26

All: 202.150+/-0.030 χ^2/NDF: 4467284.5/48

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 284.826+/-104.138 χ^2/NDF:1.2/7

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 254.199+/-105.231 χ^2/NDF:1.3/5

Left: 269.672+/-74.020 χ^2/NDF: 2.5/13

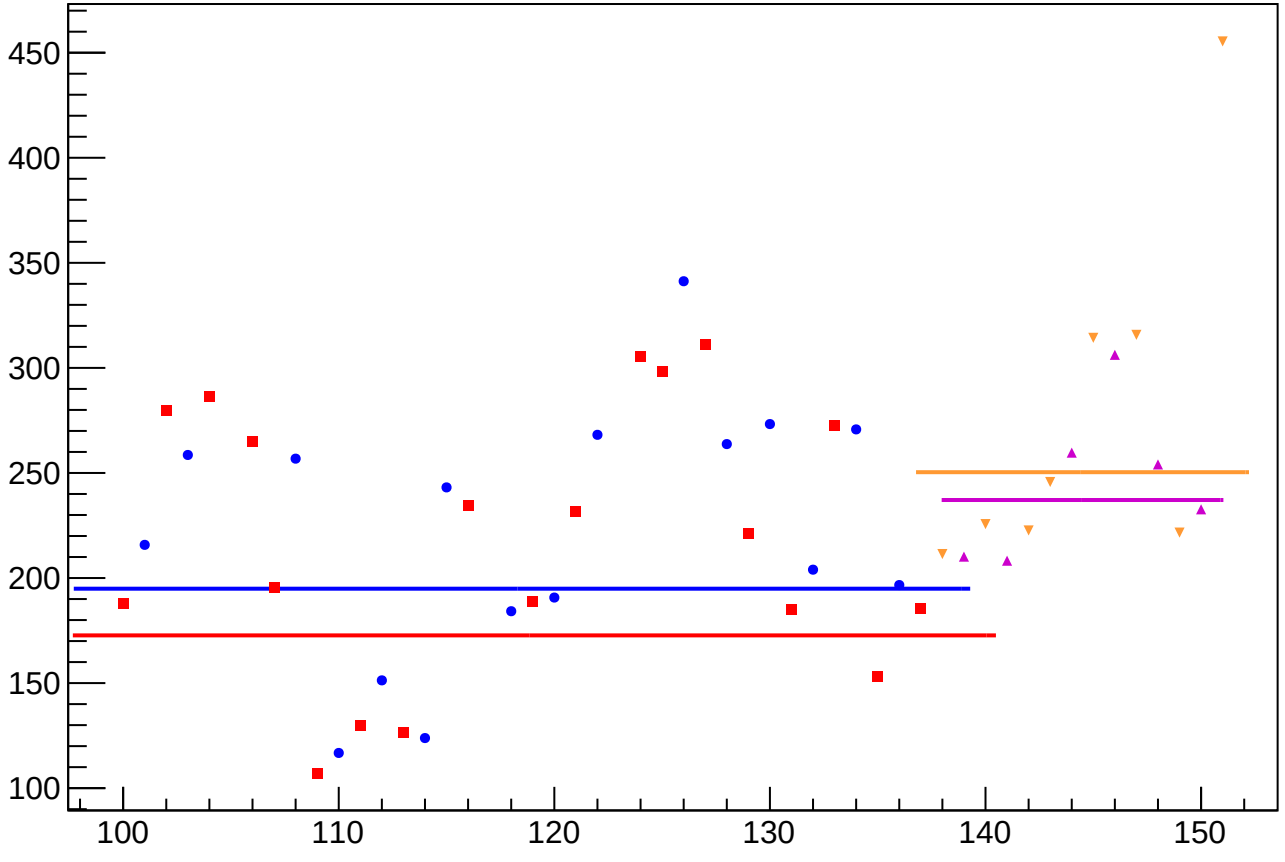
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 56.162+/-61.926 χ^2/NDF:22.1/21

Out: -2.784+/-57.233 χ^2/NDF:25.0/26

All: 24.371+/-42.031 χ^2/NDF: 47.6/48

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 250.368+/-0.074 χ^2/NDF:576528.0/7

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 237.131+/-0.074 χ^2/NDF:172028.9/5

Left: 243.819+/-0.052 χ^2/NDF: 764545.2/13

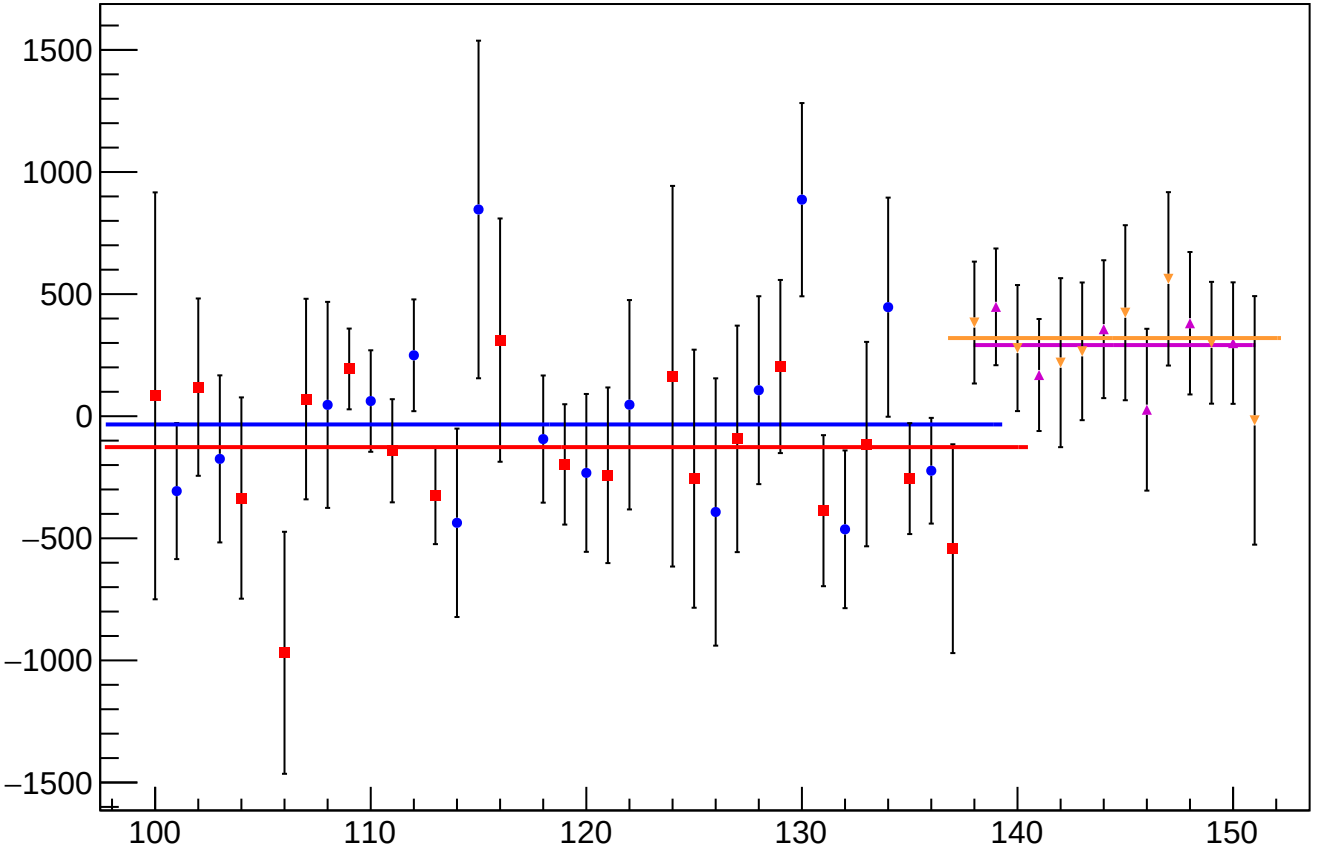
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 209.539+/-0.044 χ^2/NDF:1411266.7/21

Out: 196.162+/-0.040 χ^2/NDF:2984270.1/26

All: 202.325+/-0.030 χ^2/NDF: 4445875.0/48

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 320.031+/-106.815 χ^2/NDF:1.2/7

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 291.311+/-107.789 χ^2/NDF:1.5/5

Left: 305.801+/-75.872 χ^2/NDF: 2.7/13

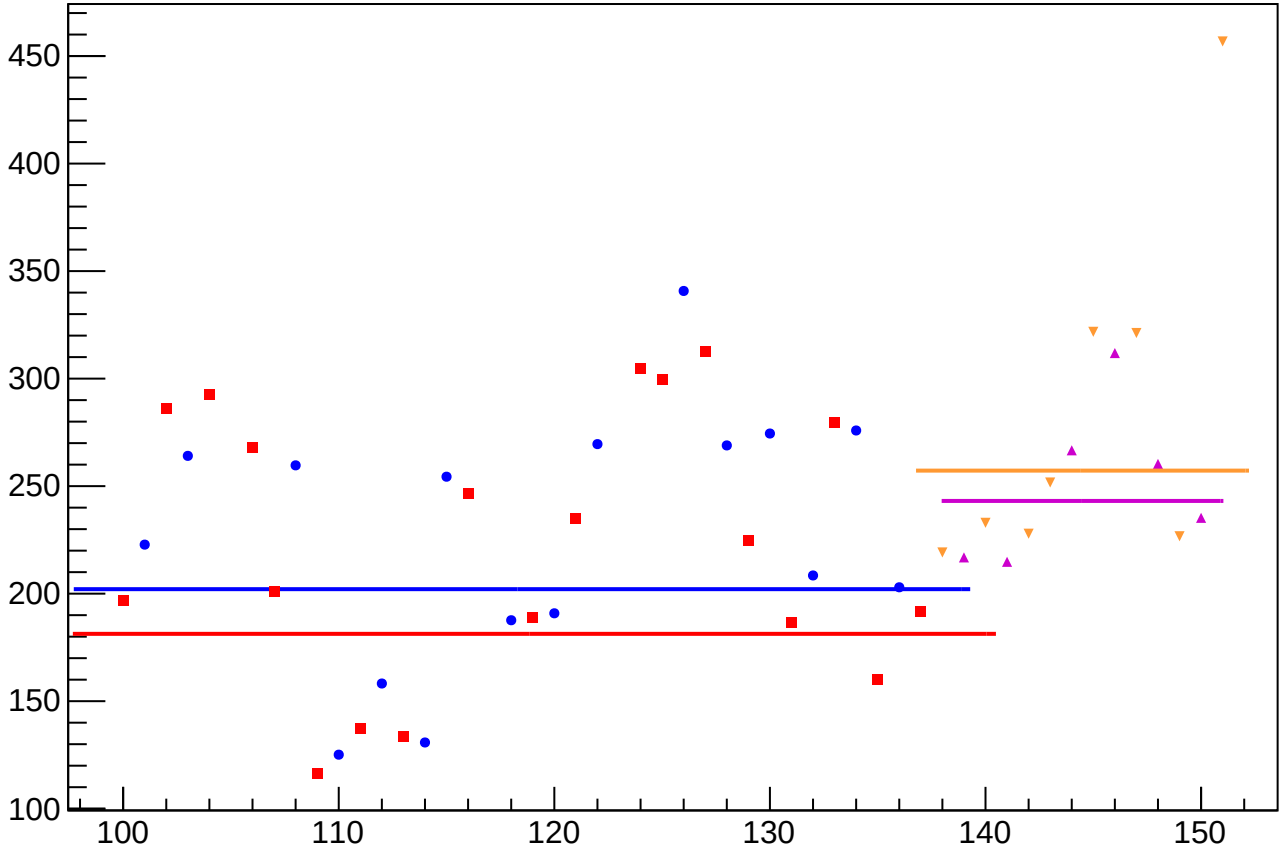
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 79.847+/-63.717 χ^2/NDF:23.2/21

Out: 11.115+/-59.307 χ^2/NDF:26.0/26

All: 43.020+/-43.412 χ^2/NDF: 49.8/48

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 257.221+/-0.076 χ^2/NDF:546684.6/7

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 243.118+/-0.076 χ^2/NDF:163579.5/5

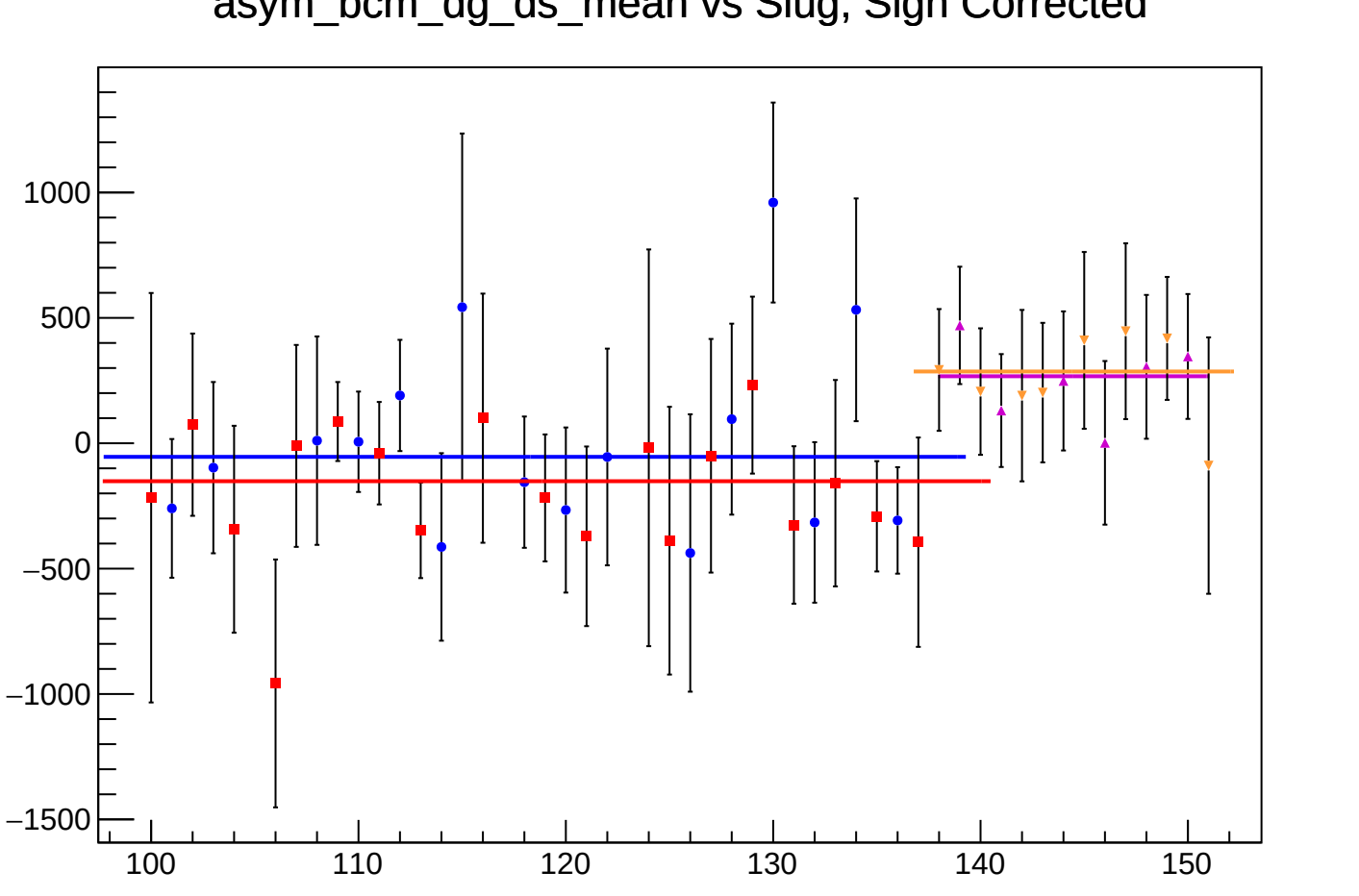
Left: 250.234+/-0.054 χ^2/NDF: 727537.9/13

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 216.426+/-0.045 χ^2/NDF:1262350.3/21

Out: 204.714+/-0.042 χ^2/NDF:2686353.1/26

All: 210.151+/-0.031 χ^2/NDF: 3984913.2/48



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 286.185+/-104.946 χ^2/NDF:1.4/7

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 267.156+/-106.199 χ^2/NDF:1.9/5

Left: 276.783+/-74.647 χ^2/NDF: 3.4/13

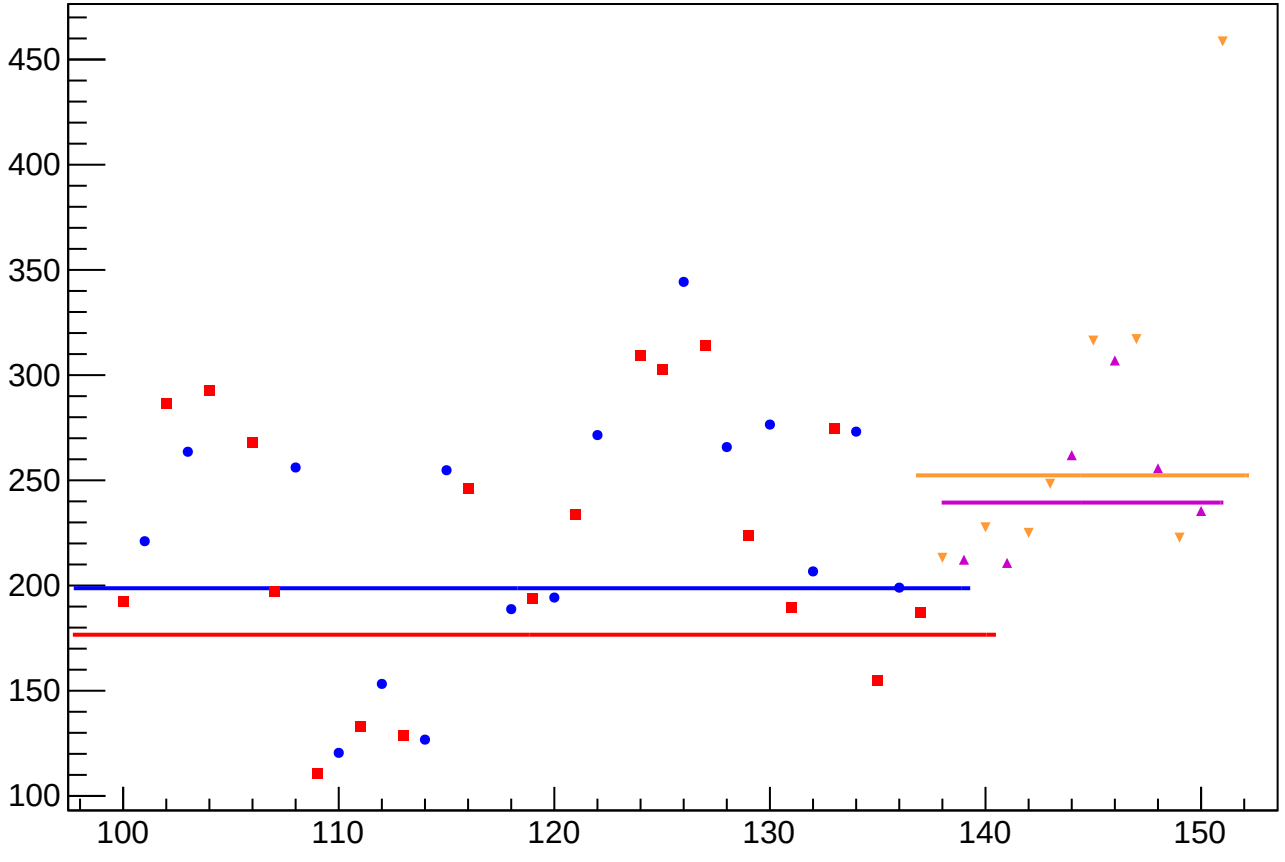
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 58.272+/-62.837 χ^2/NDF:22.9/21

Out: -16.895+/-58.178 χ^2/NDF:23.7/26

All: 17.798+/-42.690 χ^2/NDF: 47.4/48

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 252.360+/-0.074 χ^2/NDF:573358.6/7

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 239.426+/-0.075 χ^2/NDF:165152.0/5

Left: 245.969+/-0.053 χ^2/NDF: 753519.7/13

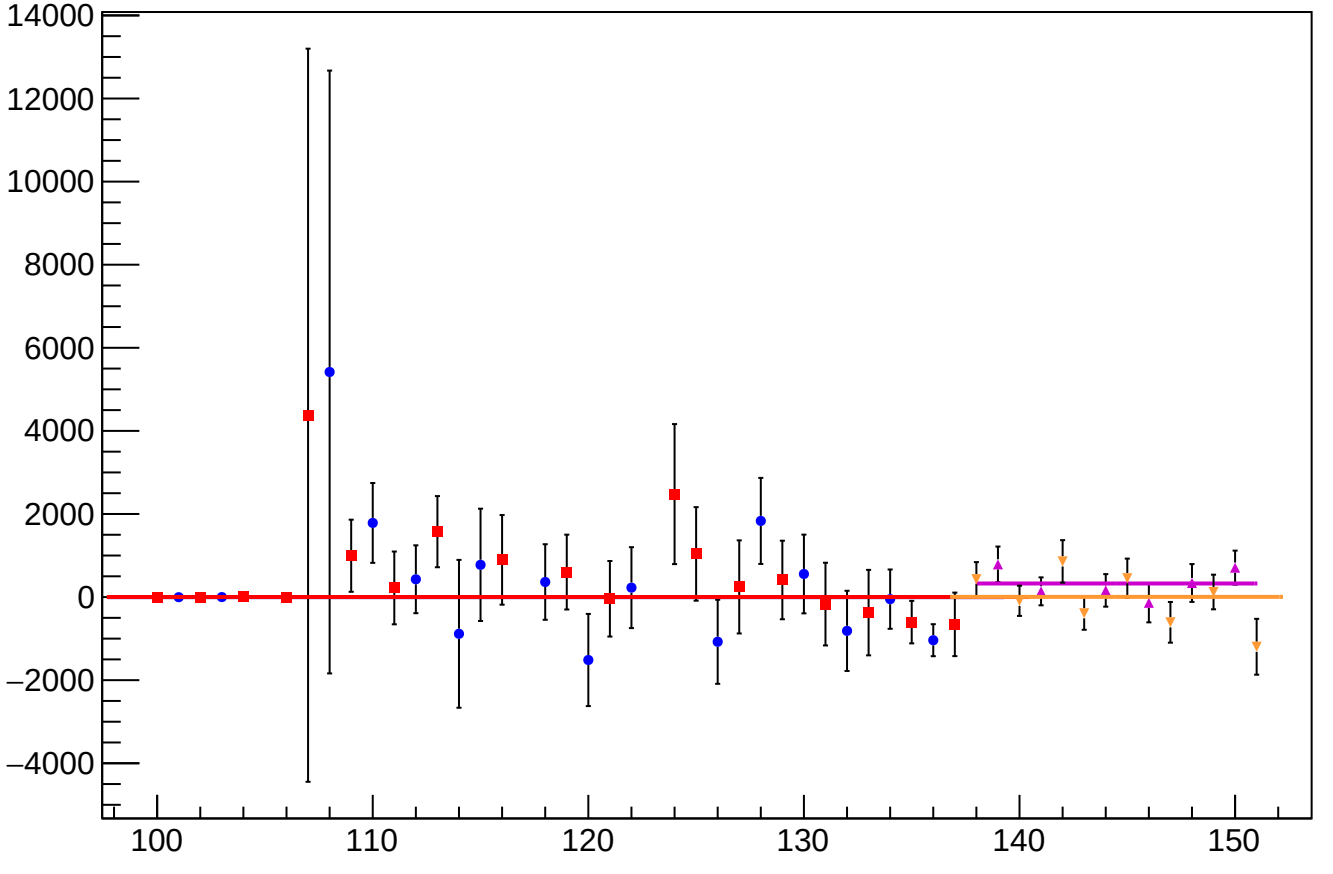
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 212.970+/-0.044 χ^2/NDF:1350195.9/21

Out: 199.897+/-0.041 χ^2/NDF:2890614.4/26

All: 205.931+/-0.030 χ^2/NDF: 4287423.6/48

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: 4.576+/-157.656 χ^2/NDF:10.6/7

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 327.089+/-166.423 χ^2/NDF:3.5/5

Left: 157.114+/-114.454 χ^2/NDF: 16.1/13

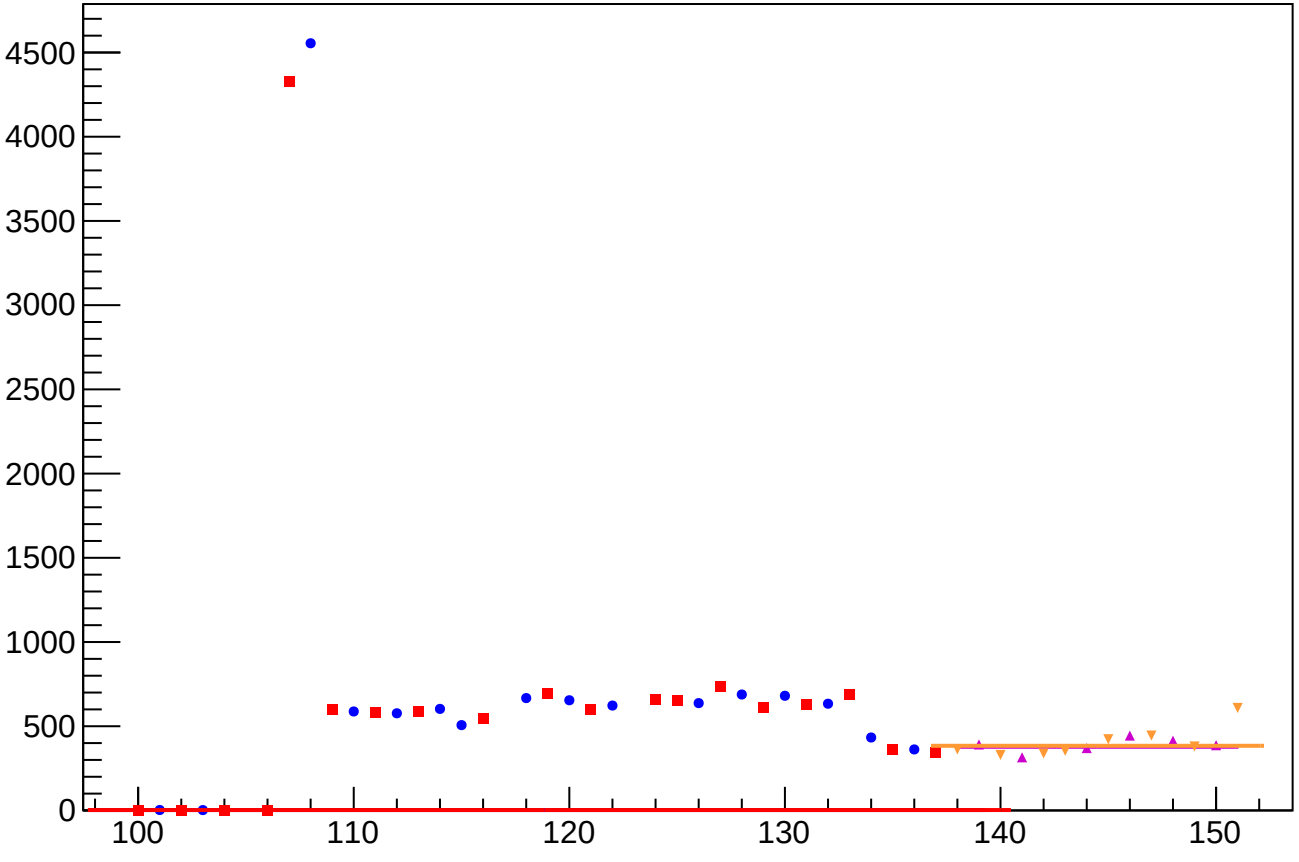
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.183+/-2.171 χ^2/NDF:27.3/21

Out: 1.378+/-2.022 χ^2/NDF:27.5/26

All: 0.188+/-1.480 χ^2/NDF: 55.5/48

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 383.957+/-0.111 χ^2/NDF:344944.4/7

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 378.079+/-0.118 χ^2/NDF:125588.9/5

Left: 381.177+/-0.081 χ^2/NDF: 471848.2/13

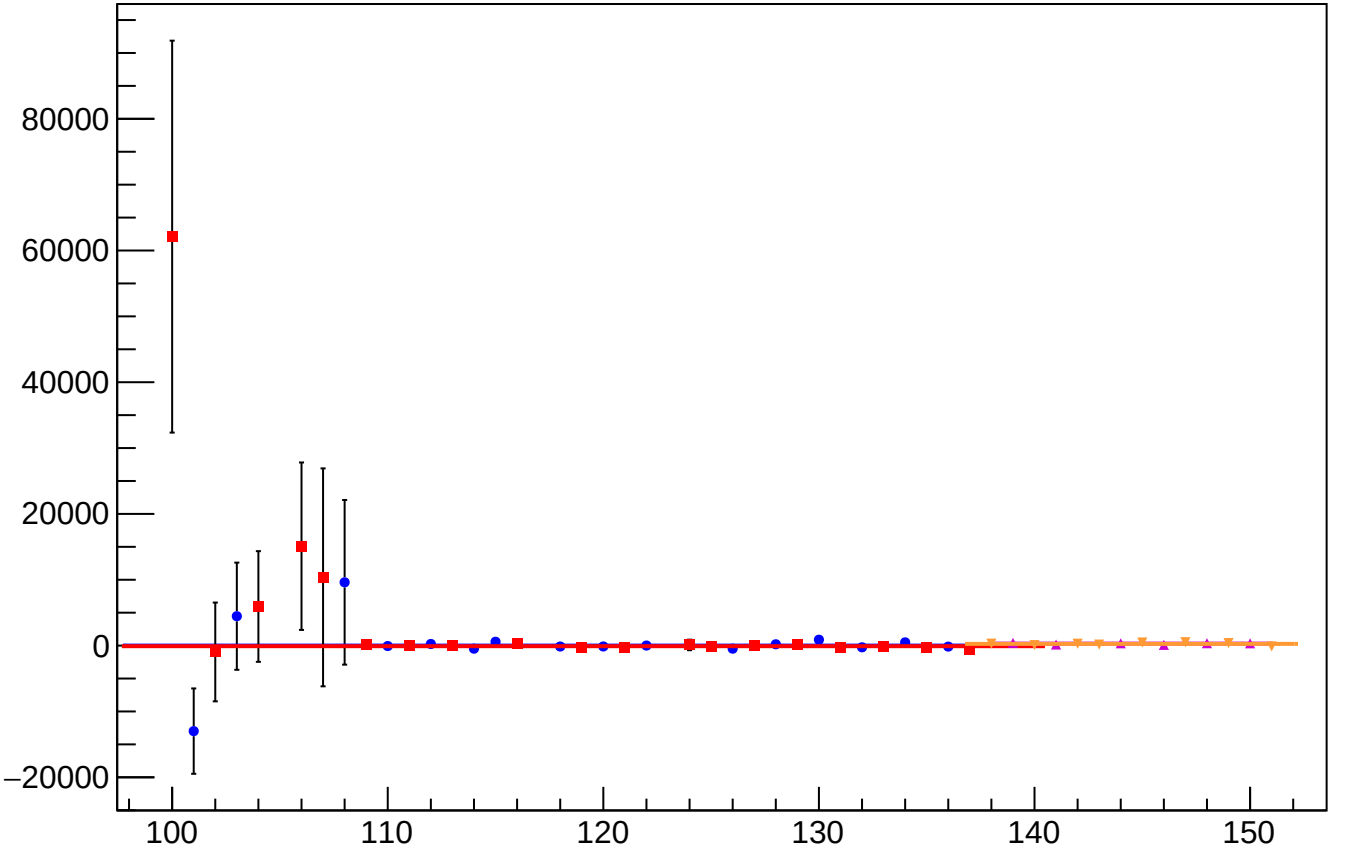
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.541+/-0.002 χ^2/NDF:21937355.5/21

Out: 2.525+/-0.001 χ^2/NDF:23599217.4/26

All: 2.532+/-0.001 χ^2/NDF: 45536628.6/48

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 261.387+/-110.158 χ^2/NDF:2.3/7

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 299.843+/-110.778 χ^2/NDF:1.0/5

Left: 280.507+/-78.112 χ^2/NDF: 3.3/13

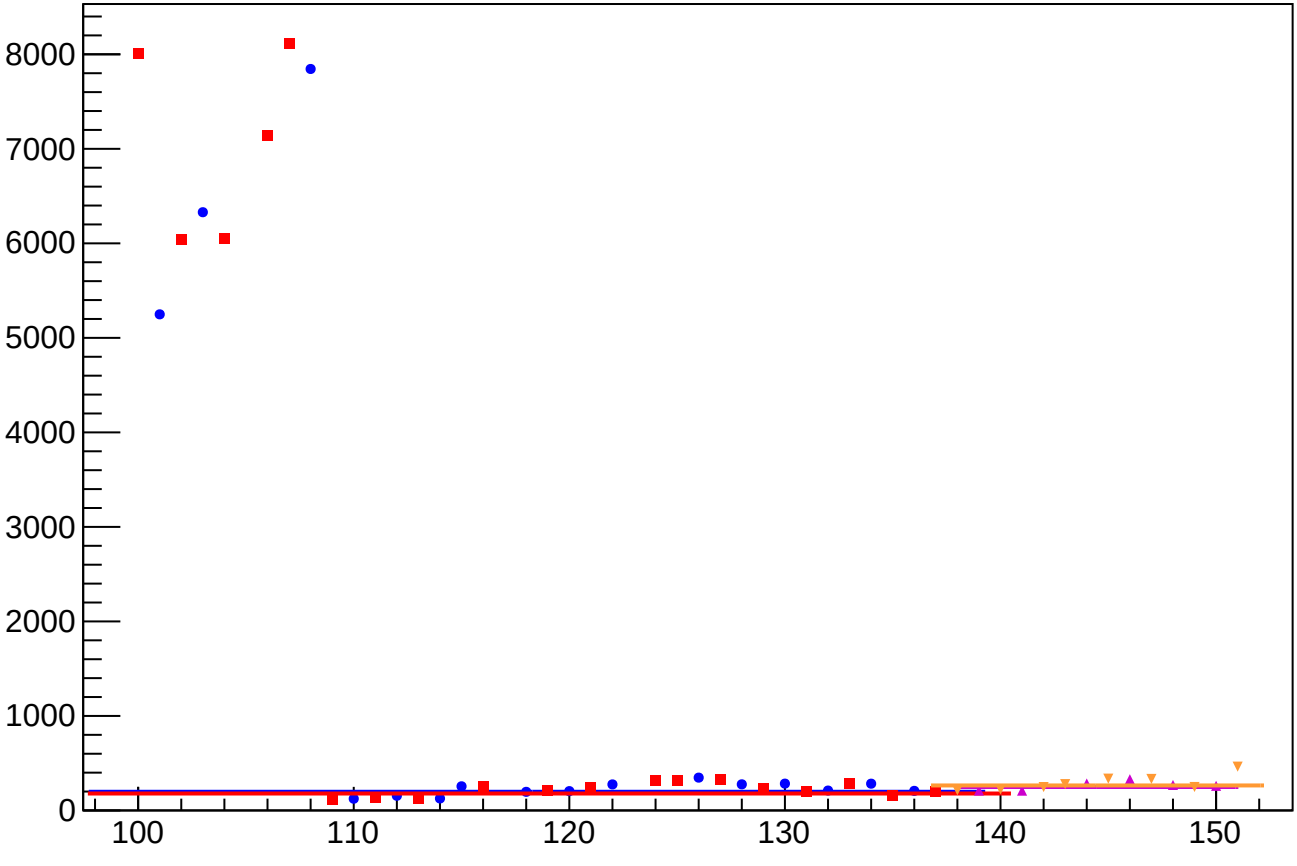
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 116.074+/-68.820 χ^2/NDF:22.3/21

Out: 35.741+/-65.572 χ^2/NDF:23.6/26

All: 73.968+/-47.473 χ^2/NDF: 46.7/48

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 264.584+/-0.078 χ^2/NDF:608277.0/7

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 248.413+/-0.078 χ^2/NDF:265968.8/5

Left: 256.544+/-0.055 χ^2/NDF: 895674.6/13

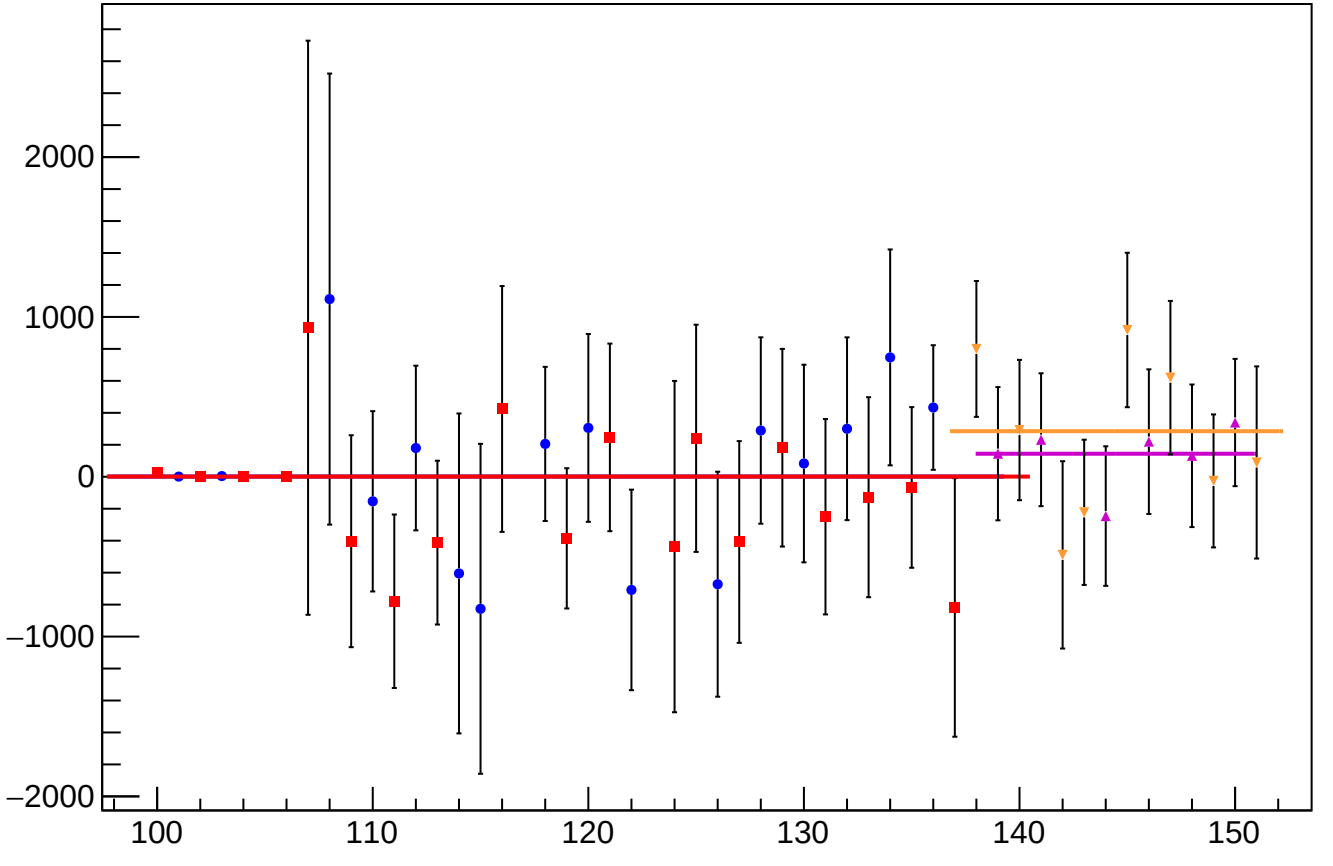
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 217.223+/-0.049 χ^2/NDF:4481354.3/21

Out: 209.486+/-0.046 χ^2/NDF:5801609.6/26

All: 213.168+/-0.034 χ^2/NDF: 10296211.5/48

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 285.086+/-167.505 χ^2/NDF:7.3/7

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 144.000+/-174.056 χ^2/NDF:1.1/5

Left: 217.248+/-120.693 χ^2/NDF: 8.8/13

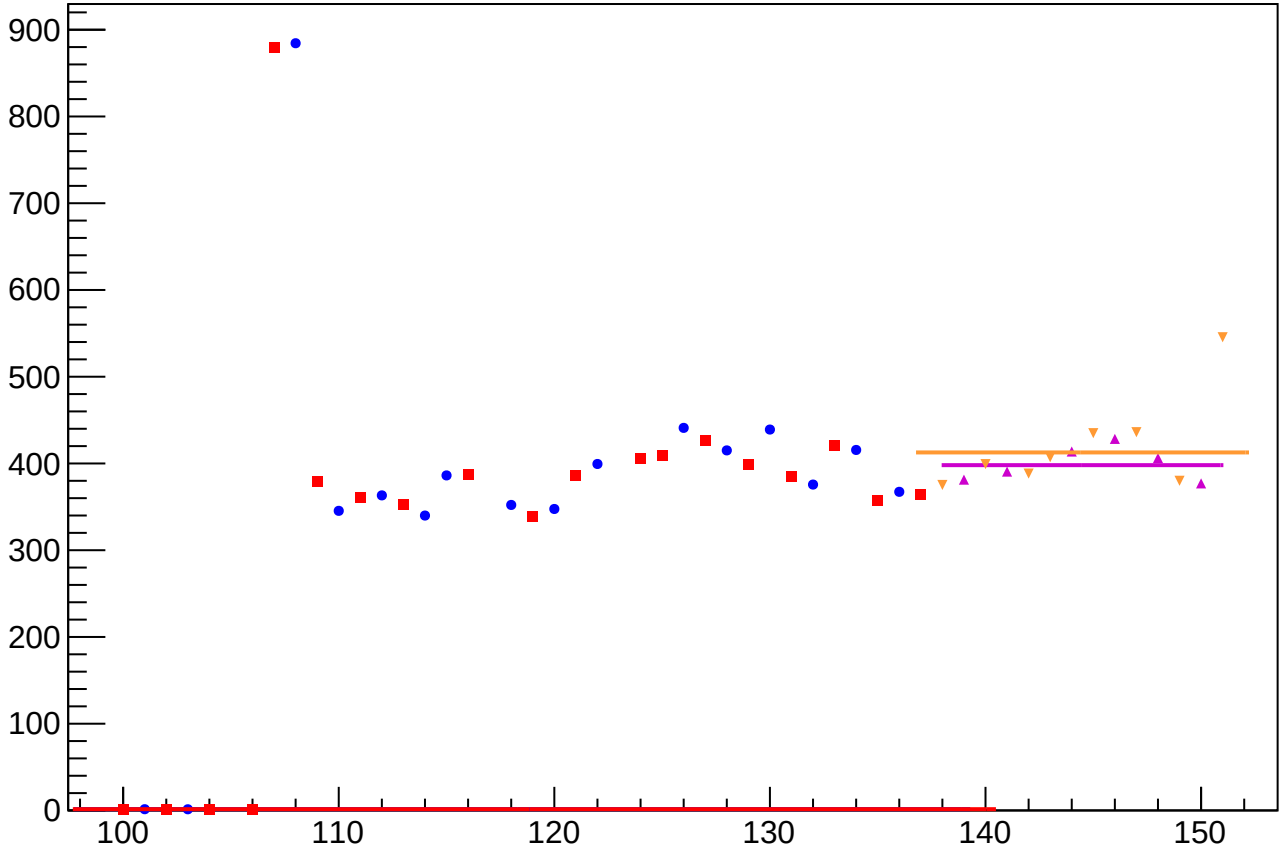
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.469+/-1.660 χ^2/NDF:9.7/21

Out: 1.117+/-1.528 χ^2/NDF:19.4/26

All: 1.278+/-1.124 χ^2/NDF: 29.1/48

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 412.716+/-0.118 χ^2/NDF:140030.1/7

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 398.058+/-0.123 χ^2/NDF:21646.9/5

Left: 405.668+/-0.085 χ^2/NDF: 169041.2/13

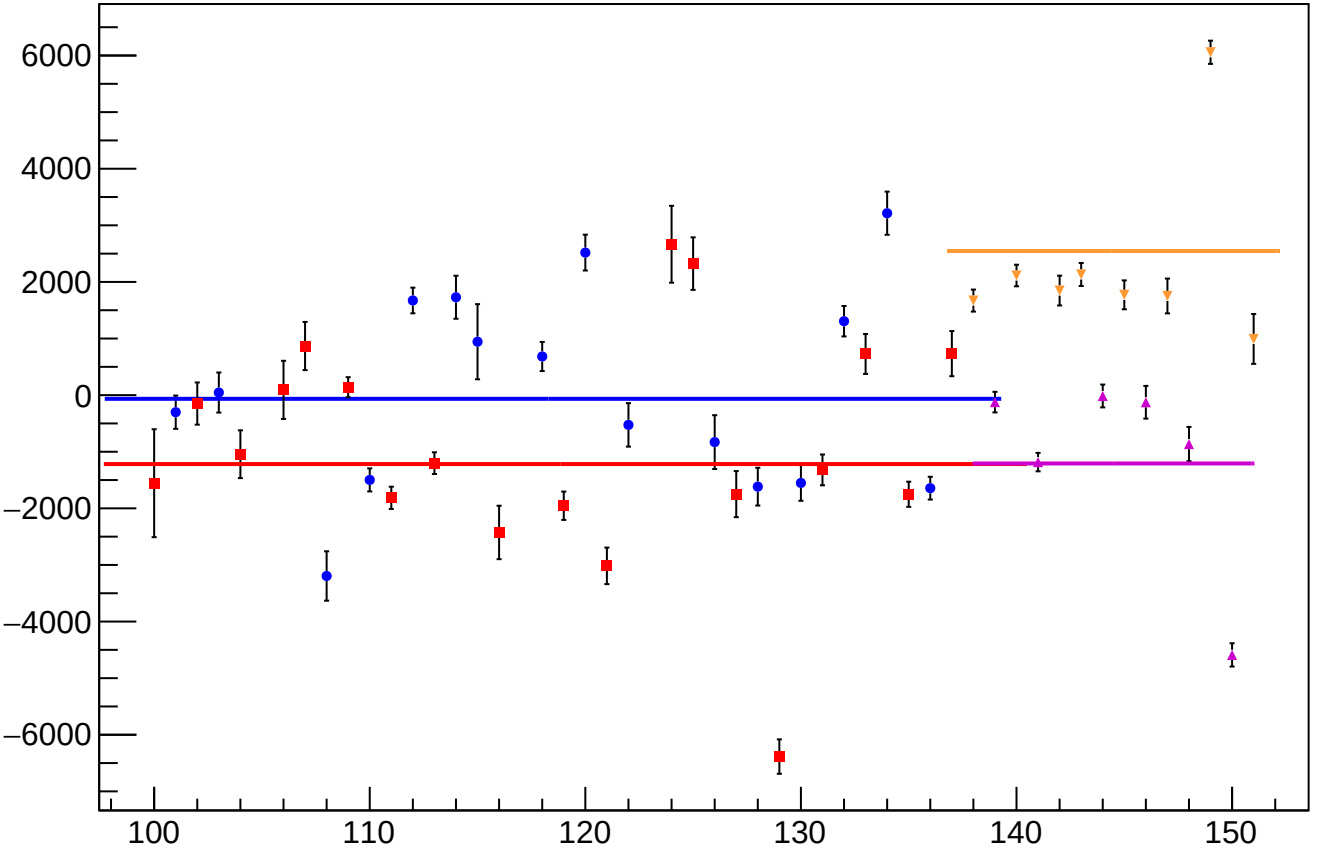
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.506+/-0.001 χ^2/NDF:22139265.1/21

Out: 1.501+/-0.001 χ^2/NDF:23464977.2/26

All: 1.504+/-0.001 χ^2/NDF: 45604251.7/48

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 2545.882+/-82.348 χ^2/NDF:357.8/7

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -1207.285+/-84.829 χ^2/NDF:355.4/5

Left: 724.990+/-59.087 χ^2/NDF: 1720.9/13

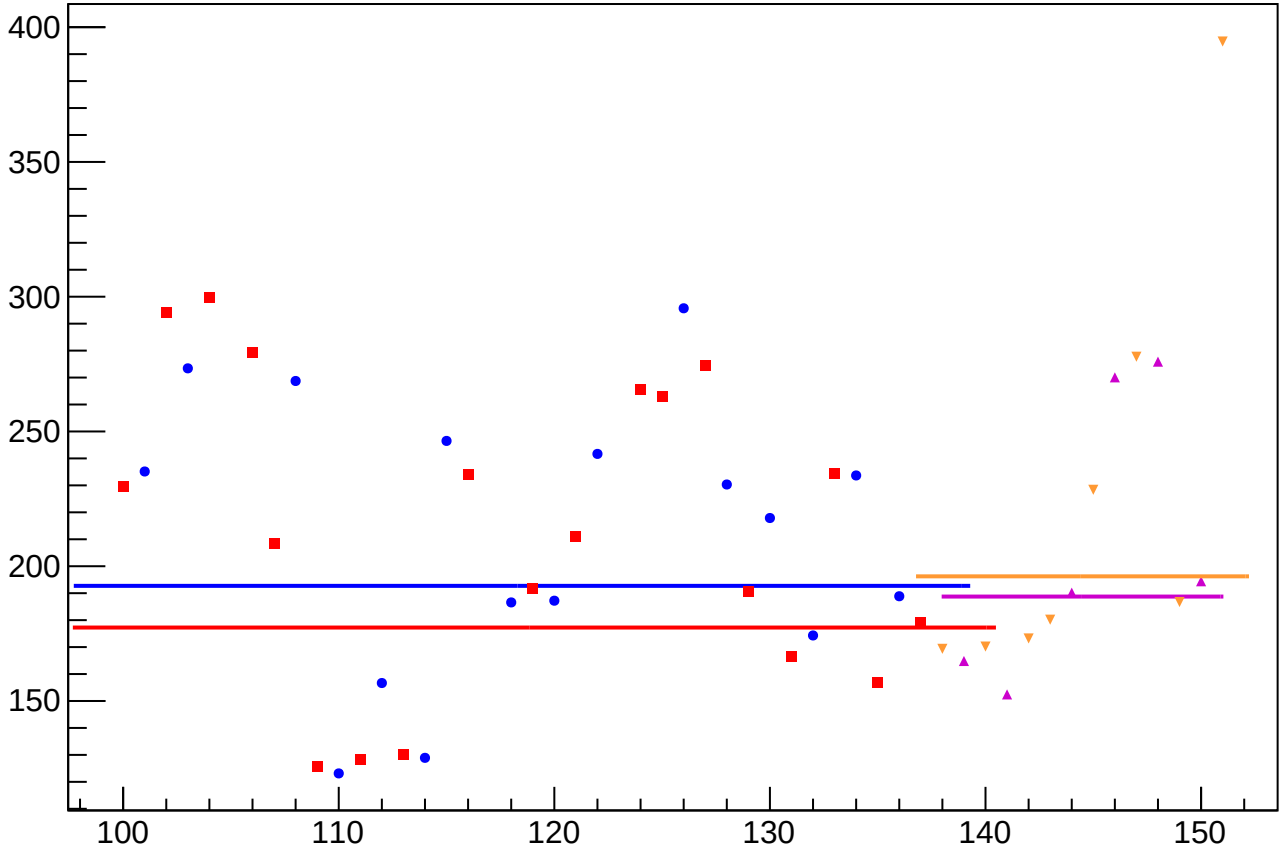
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -565.366+/-56.144 χ^2/NDF:926.7/21

Out: 335.226+/-52.898 χ^2/NDF:2179.3/26

All: -88.285+/-38.501 χ^2/NDF: 3242.4/48

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 196.246+/-0.058 χ^2/NDF:685621.0/7

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 188.745+/-0.060 χ^2/NDF:459109.7/5

Left: 192.607+/-0.042 χ^2/NDF: 1152780.3/13

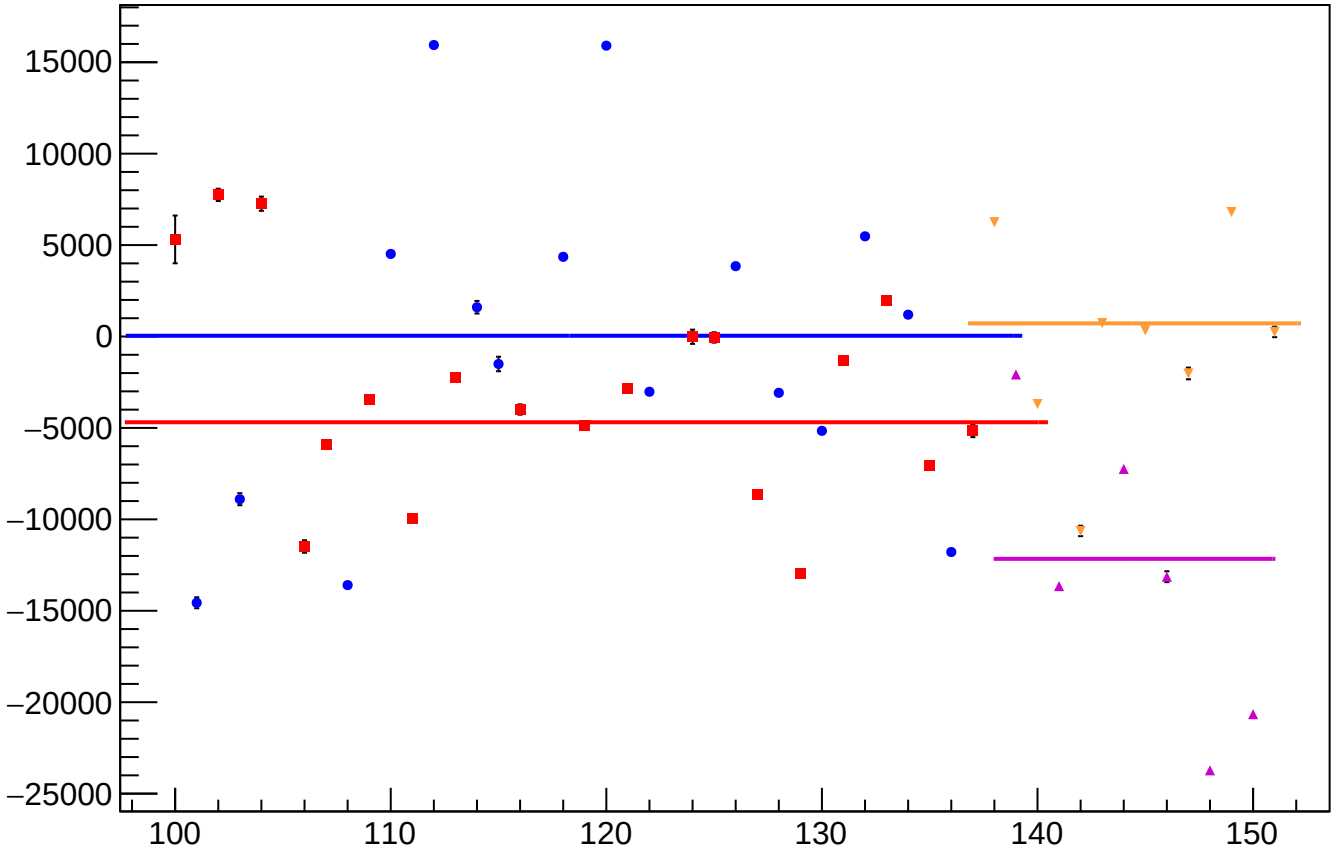
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 190.978+/-0.040 χ^2/NDF:1220722.5/21

Out: 185.089+/-0.037 χ^2/NDF:1974300.2/26

All: 187.859+/-0.027 χ^2/NDF: 3206680.2/48

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 718.868+/-85.754 χ^2/NDF:3648.3/7

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -12158.886+/-91.352 χ^2/NDF:6847.6/5

Left: -5313.357+/-62.522 χ^2/NDF: 21059.4/13

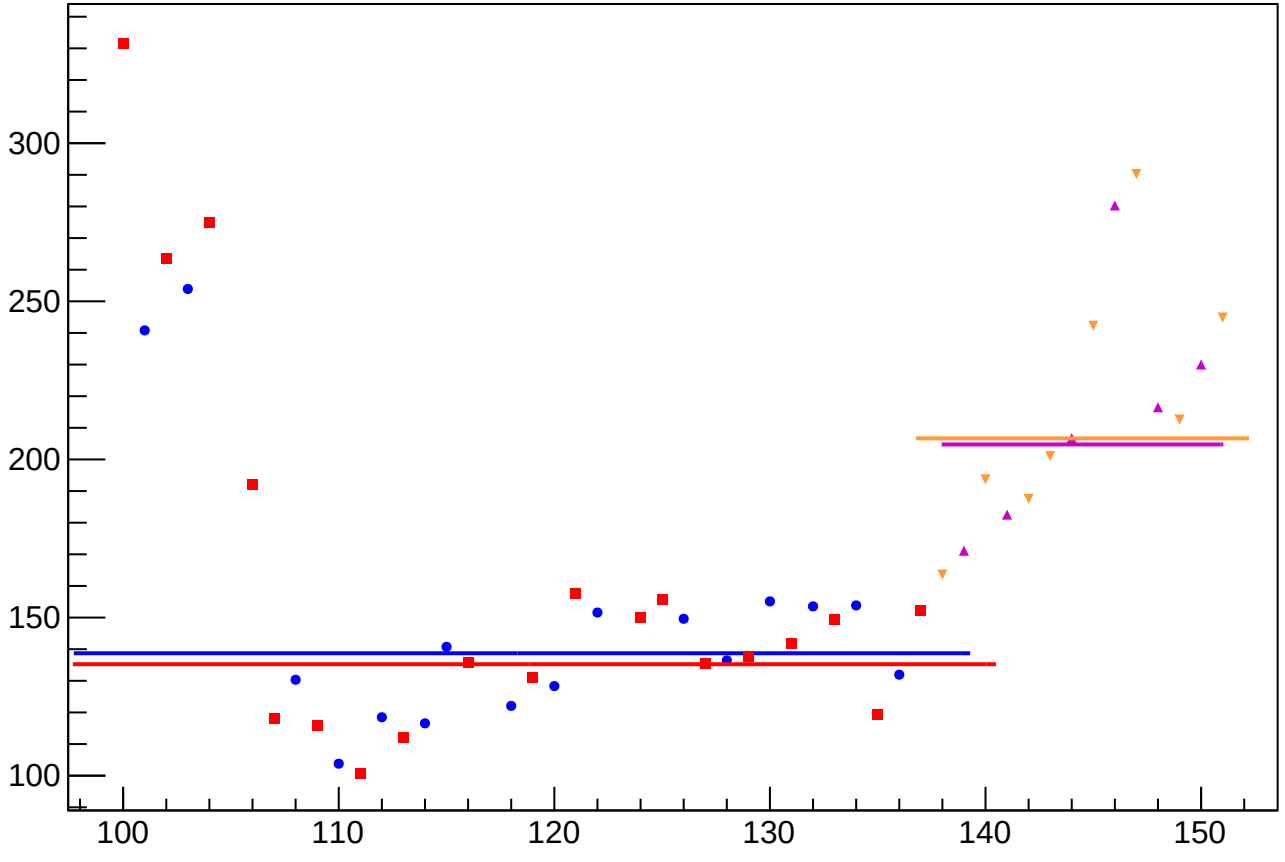
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -3135.369+/-46.612 χ^2/NDF:50825.4/21

Out: -3231.730+/-44.523 χ^2/NDF:14349.6/26

All: -3185.757+/-32.196 χ^2/NDF: 65177.2/48

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 206.661+/-0.061 χ^2/NDF:331759.4/7

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 204.744+/-0.065 χ^2/NDF:245499.5/5

Left: 205.763+/-0.044 χ^2/NDF: 577727.2/13

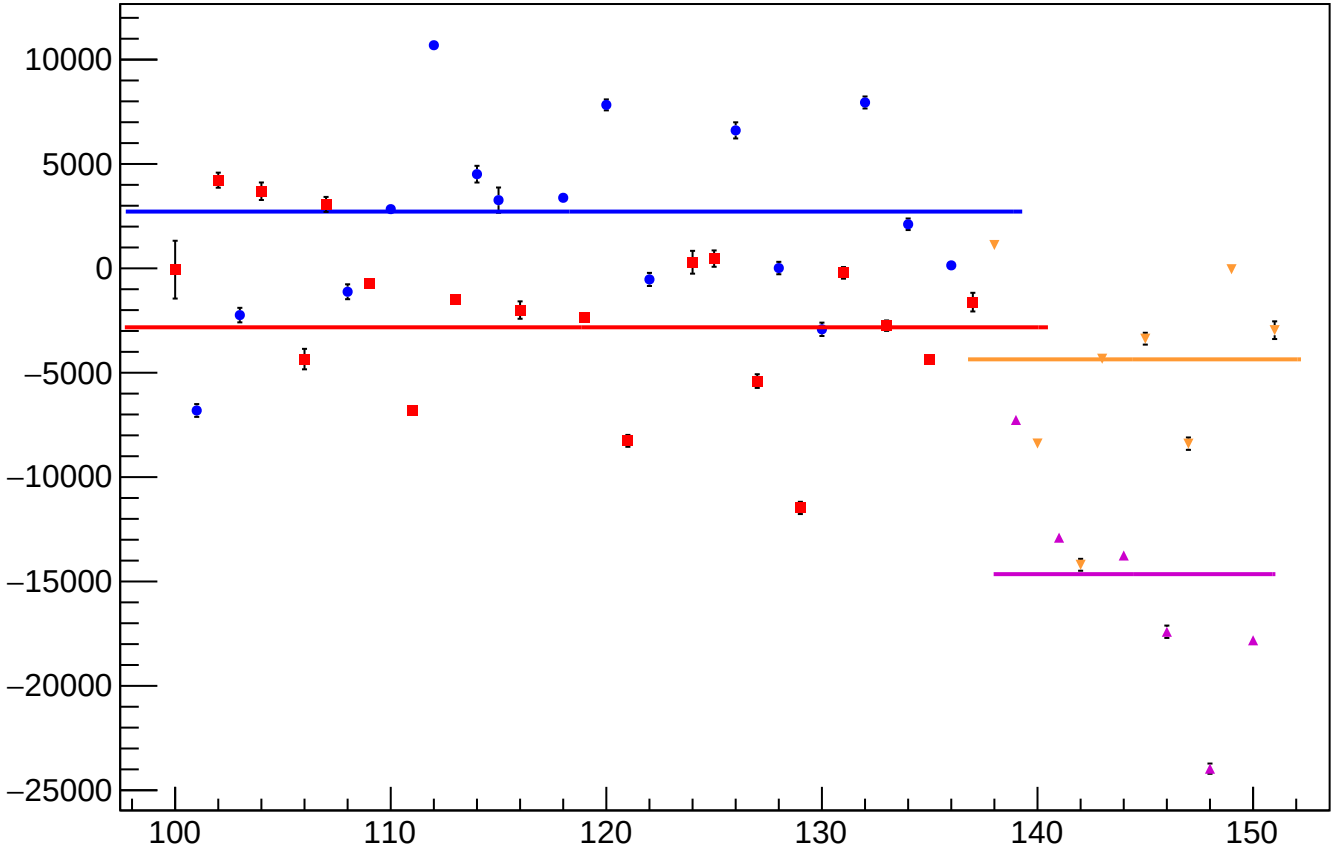
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.904+/-0.033 χ^2/NDF:1676199.4/21

Out: 154.497+/-0.031 χ^2/NDF:2234992.0/26

All: 155.168+/-0.023 χ^2/NDF: 3912144.5/48

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -4358.980+/-88.078 χ^2/NDF:2879.0/7

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -14648.323+/-90.769 χ^2/NDF:3209.9/5

Left: -9348.851+/-63.210 χ^2/NDF: 12707.2/13

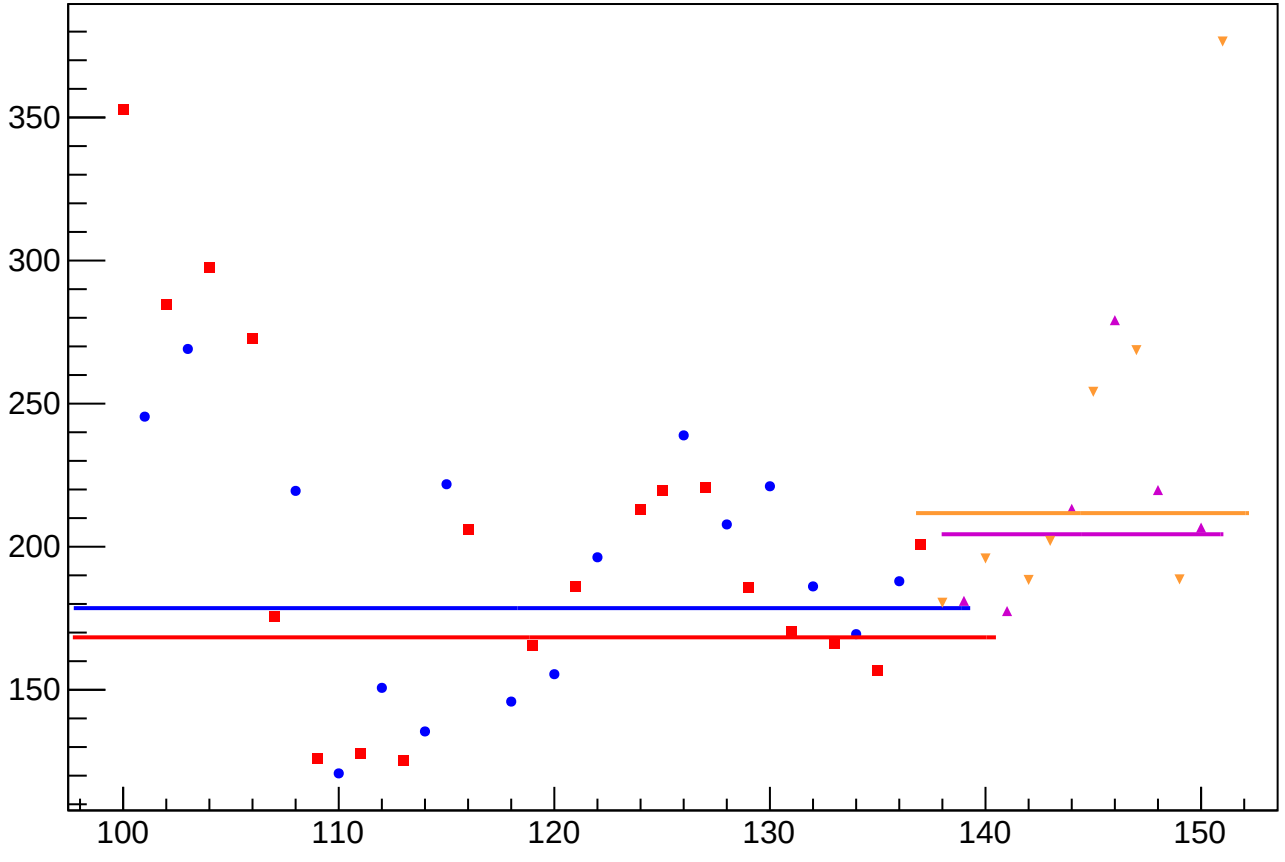
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -3669.695+/-55.055 χ^2/NDF:30482.6/21

Out: -3363.397+/-52.222 χ^2/NDF:6138.8/26

All: -3508.462+/-37.888 χ^2/NDF: 36637.7/48

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 211.743+/-0.062 χ^2/NDF:519493.7/7

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 204.357+/-0.064 χ^2/NDF:206056.2/5

Left: 208.162+/-0.045 χ^2/NDF: 732370.4/13

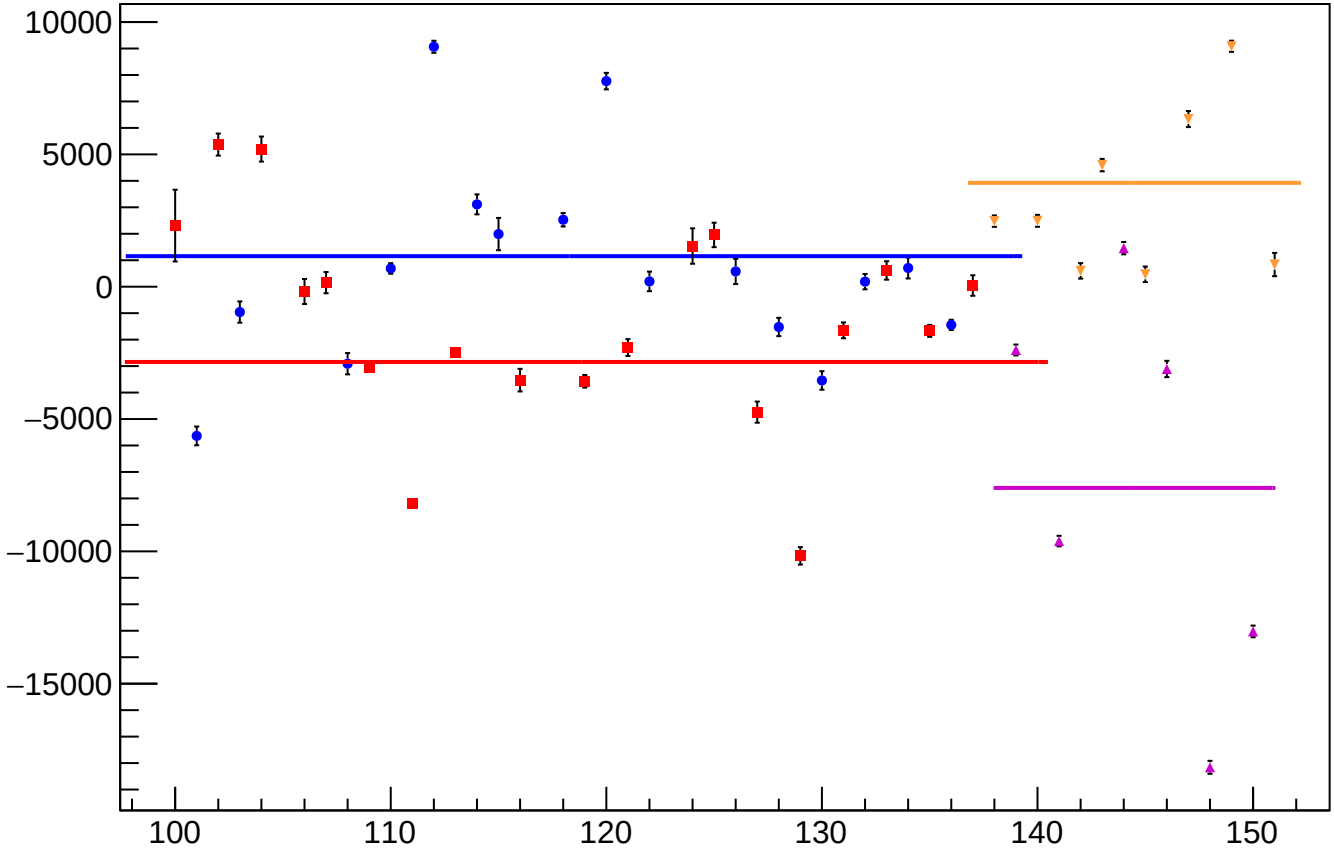
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 188.039+/-0.039 χ^2/NDF:982890.6/21

Out: 183.595+/-0.037 χ^2/NDF:1813999.5/26

All: 185.699+/-0.027 χ^2/NDF: 2803749.9/48

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 3924.430+/-90.916 χ^2/NDF:1071.7/7

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -7603.653+/-93.178 χ^2/NDF:4927.1/5

Left: -1697.978+/-65.073 χ^2/NDF: 13840.3/13

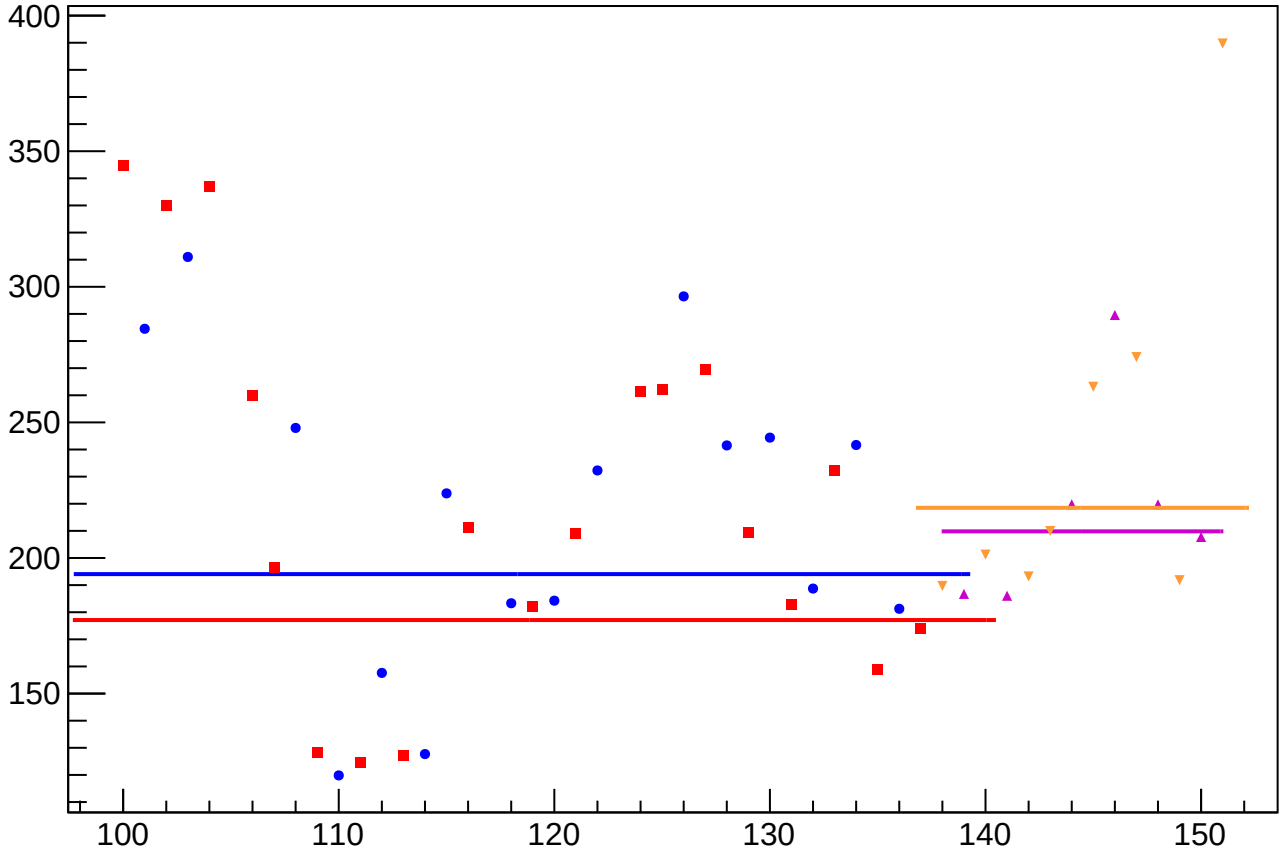
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -2342.367+/-58.874 χ^2/NDF:12889.3/21

Out: -363.897+/-55.033 χ^2/NDF:7036.3/26

All: -1286.502+/-40.204 χ^2/NDF: 20528.3/48

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 218.502+/-0.064 χ^2/NDF:513736.4/7

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 209.821+/-0.066 χ^2/NDF:195042.9/5

Left: 214.268+/-0.046 χ^2/NDF: 717672.2/13

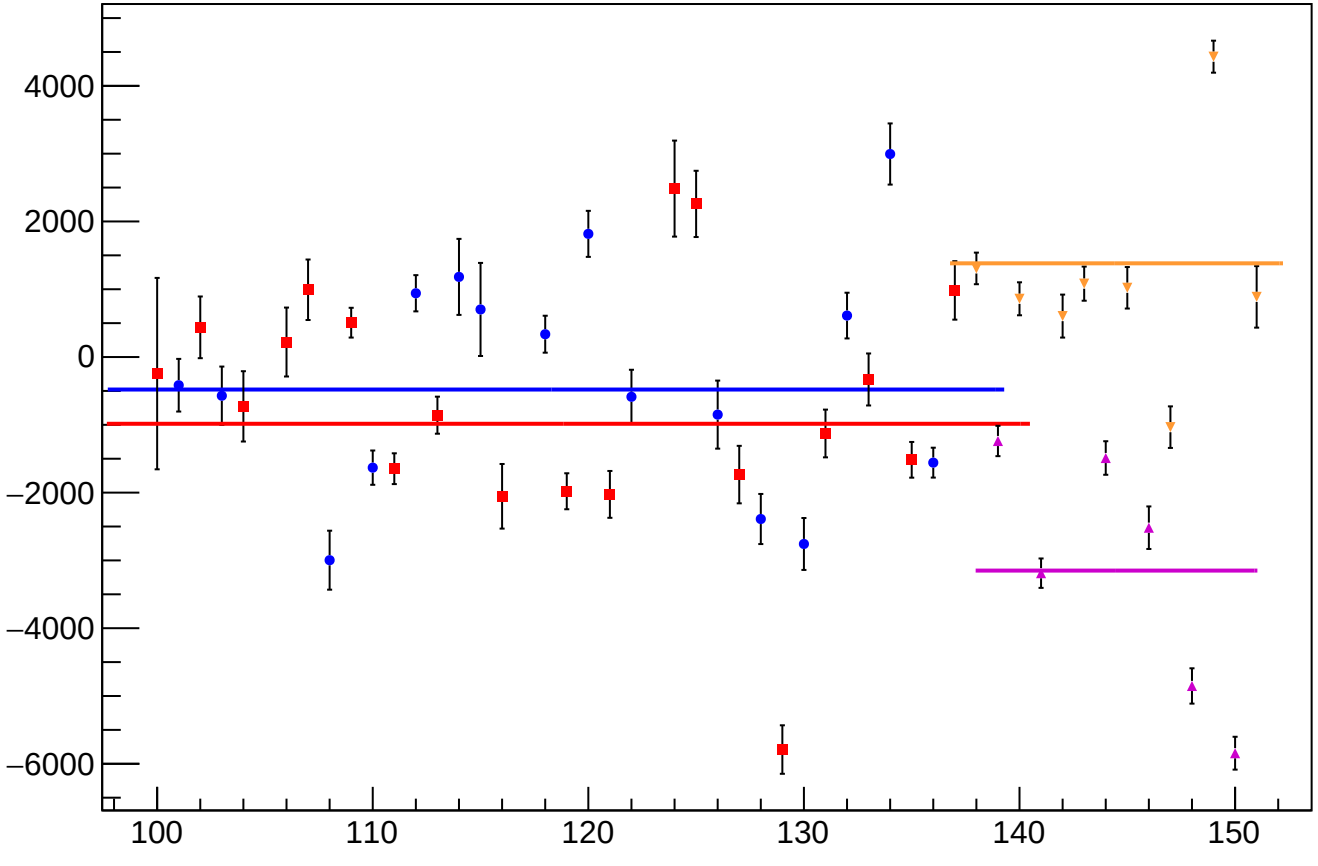
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 200.348+/-0.042 χ^2/NDF:1195236.8/21

Out: 192.280+/-0.039 χ^2/NDF:2135670.2/26

All: 196.042+/-0.028 χ^2/NDF: 3350952.3/48

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1382.392+/-97.528 χ^2/NDF:243.6/7

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -3150.050+/-100.247 χ^2/NDF:288.5/5

Left: -821.526+/-69.904 χ^2/NDF: 1582.2/13

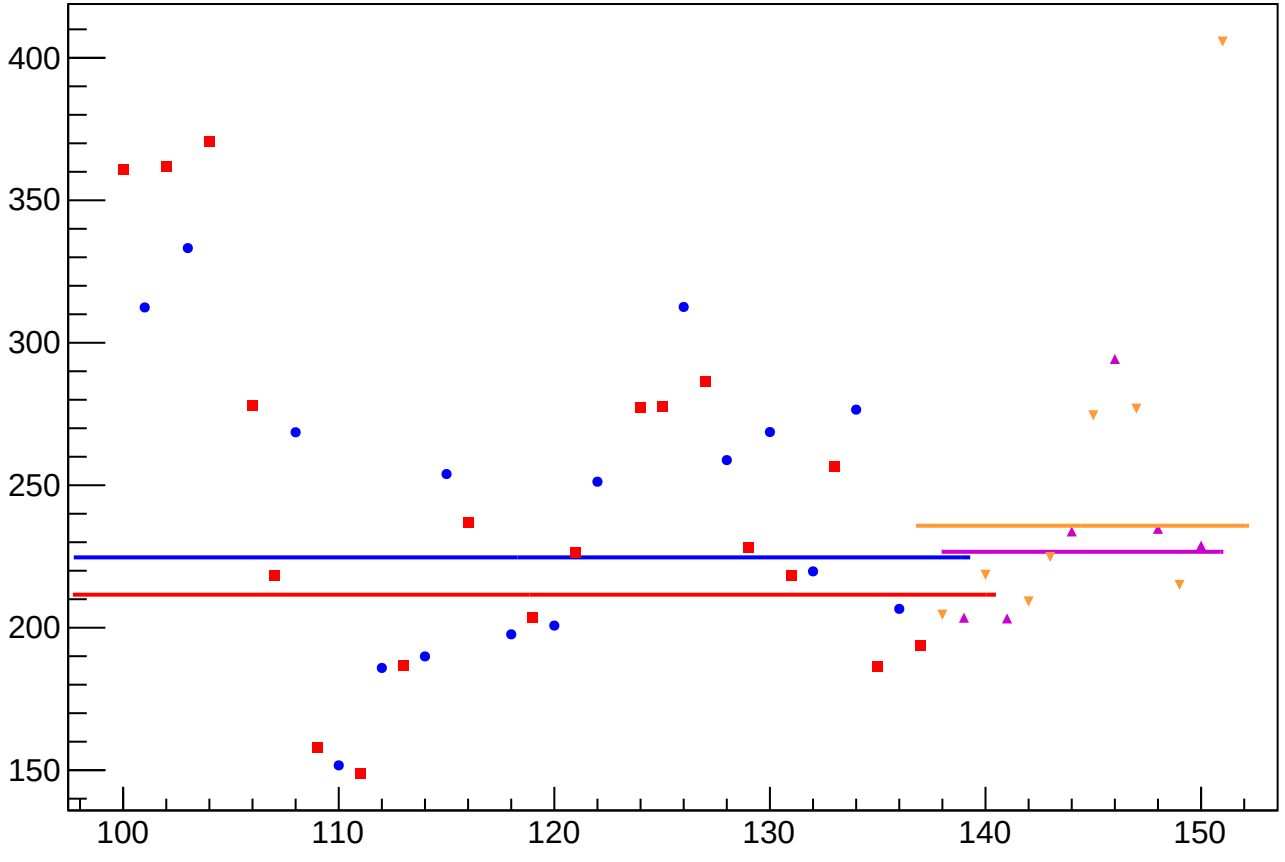
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1621.923+/-65.570 χ^2/NDF:1000.0/21

Out: -19.088+/-62.287 χ^2/NDF:990.4/26

All: -779.372+/-45.160 χ^2/NDF: 2304.6/48

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.789+/-0.069 χ^2/NDF:427627.2/7

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 226.647+/-0.071 χ^2/NDF:141440.4/5

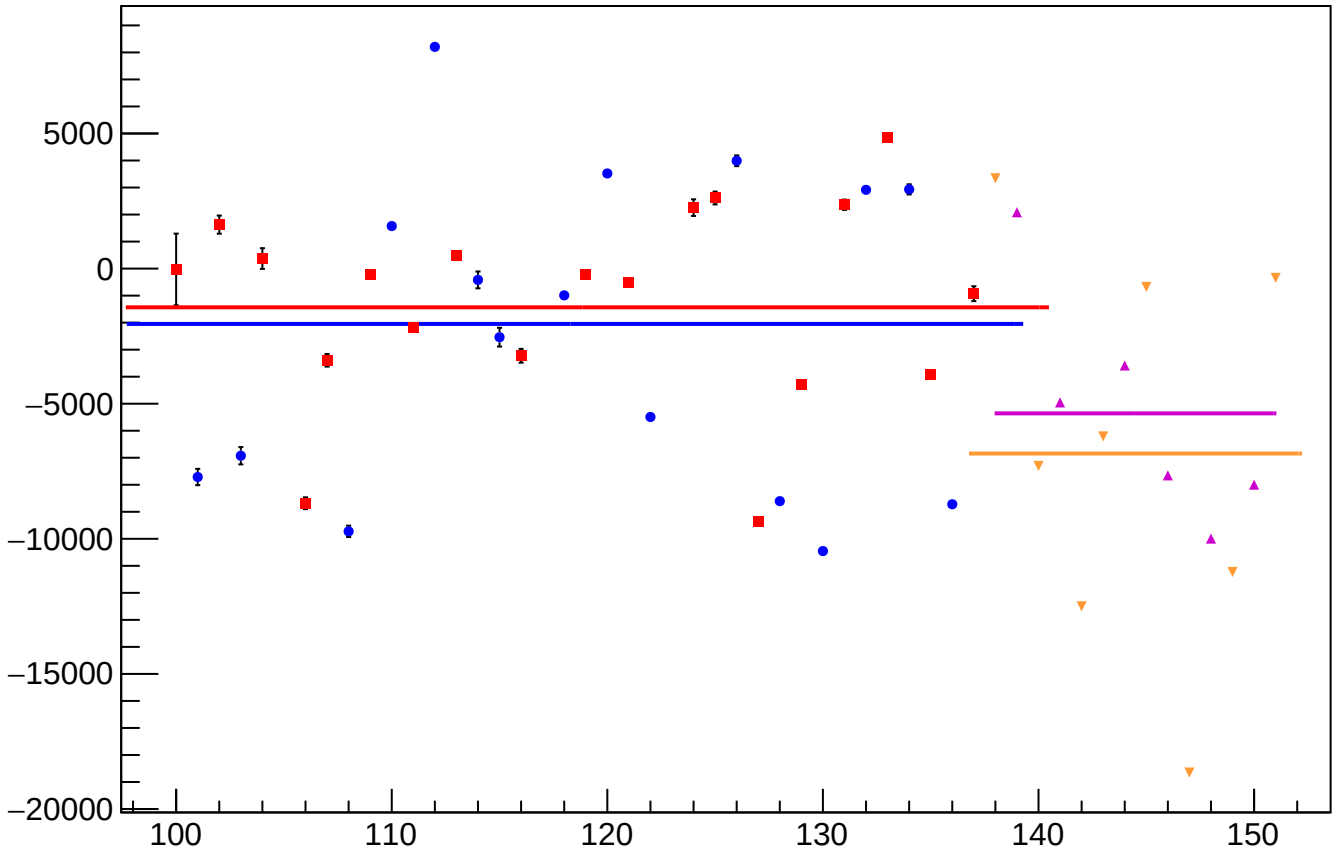
Left: 231.344+/-0.049 χ^2/NDF: 577612.0/13

Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.523+/-0.046 χ^2/NDF:795073.2/21

Out: 221.463+/-0.044 χ^2/NDF:1433406.5/26

All: 223.389+/-0.032 χ^2/NDF: 2232510.3/48



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6843.445+/-45.713 χ^2/NDF:22907.2/7

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5357.407+/-49.971 χ^2/NDF:5925.2/5

Left: -6166.423+/-33.729 χ^2/NDF: 29313.9/13

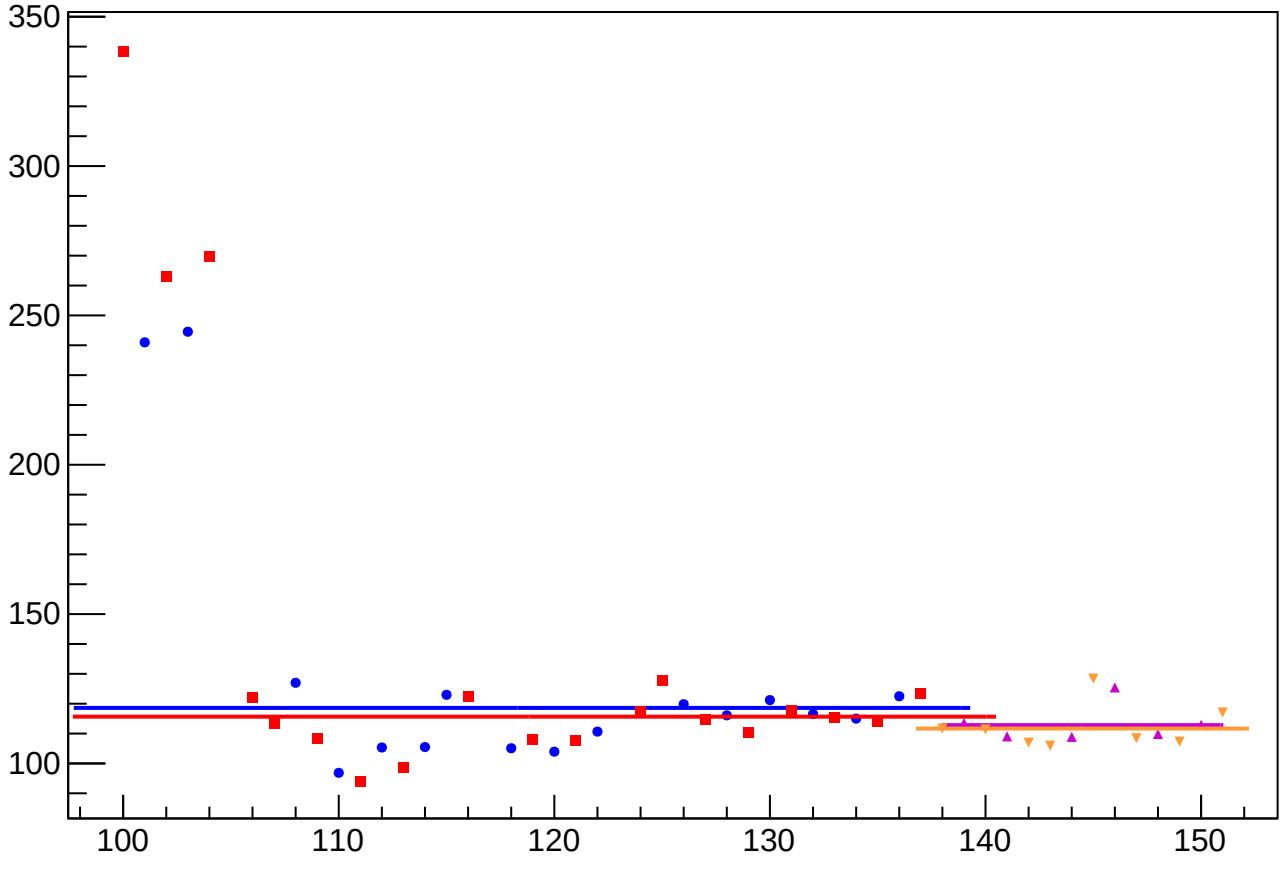
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3591.220+/-34.128 χ^2/NDF:24975.6/21

Out: -4079.291+/-31.971 χ^2/NDF:36451.7/26

All: -3851.171+/-23.332 χ^2/NDF: 61536.2/48

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.677+/-0.032 χ^2/NDF:40557.6/7

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 112.822+/-0.035 χ^2/NDF:23349.4/5

Left: 112.198+/-0.024 χ^2/NDF: 64478.7/13

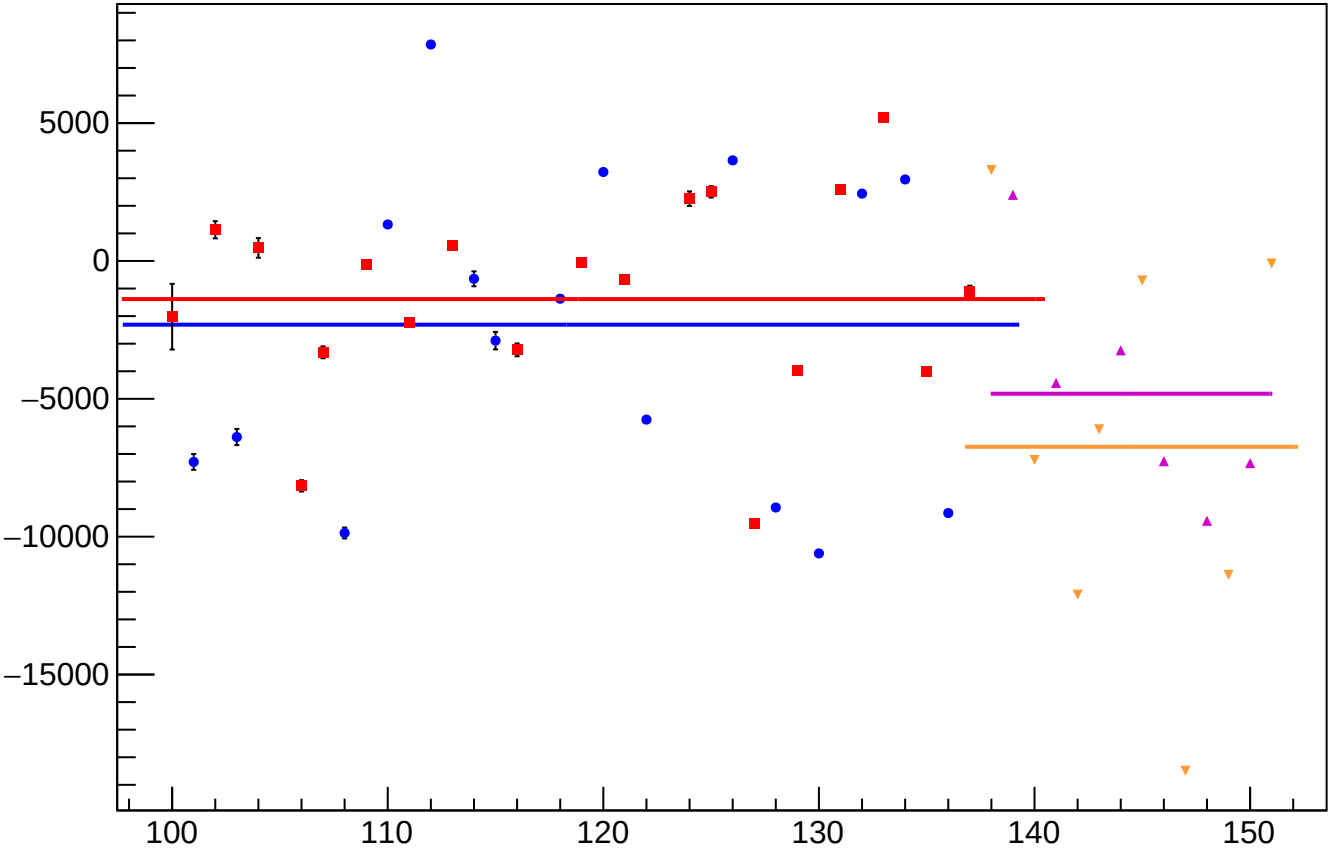
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 115.903+/-0.024 χ^2/NDF:771755.6/21

Out: 113.712+/-0.023 χ^2/NDF:912520.3/26

All: 114.736+/-0.016 χ^2/NDF: 1688666.7/48

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -6738.735+/-41.771 χ^2/NDF:27298.6/7

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -4814.536+/-45.790 χ^2/NDF:6907.8/5

Left: -5864.779+/-30.860 χ^2/NDF: 35170.2/13

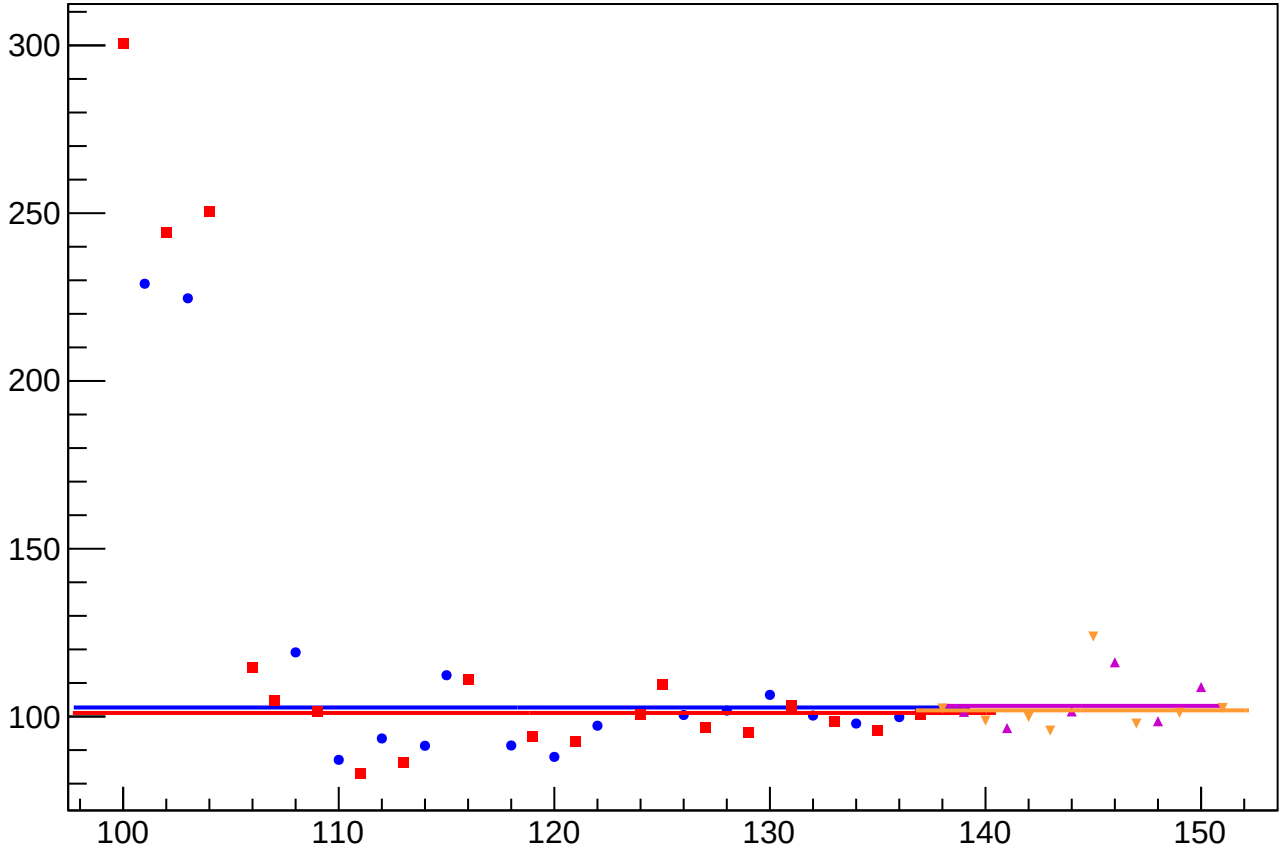
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3416.746+/-30.435 χ^2/NDF:30256.5/21

Out: -3900.197+/-28.639 χ^2/NDF:44591.9/26

All: -3673.153+/-20.857 χ^2/NDF: 74982.2/48

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 101.838+/-0.030 χ^2/NDF:60358.5/7

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 103.174+/-0.032 χ^2/NDF:39102.7/5

Left: 102.445+/-0.022 χ^2/NDF: 100390.6/13

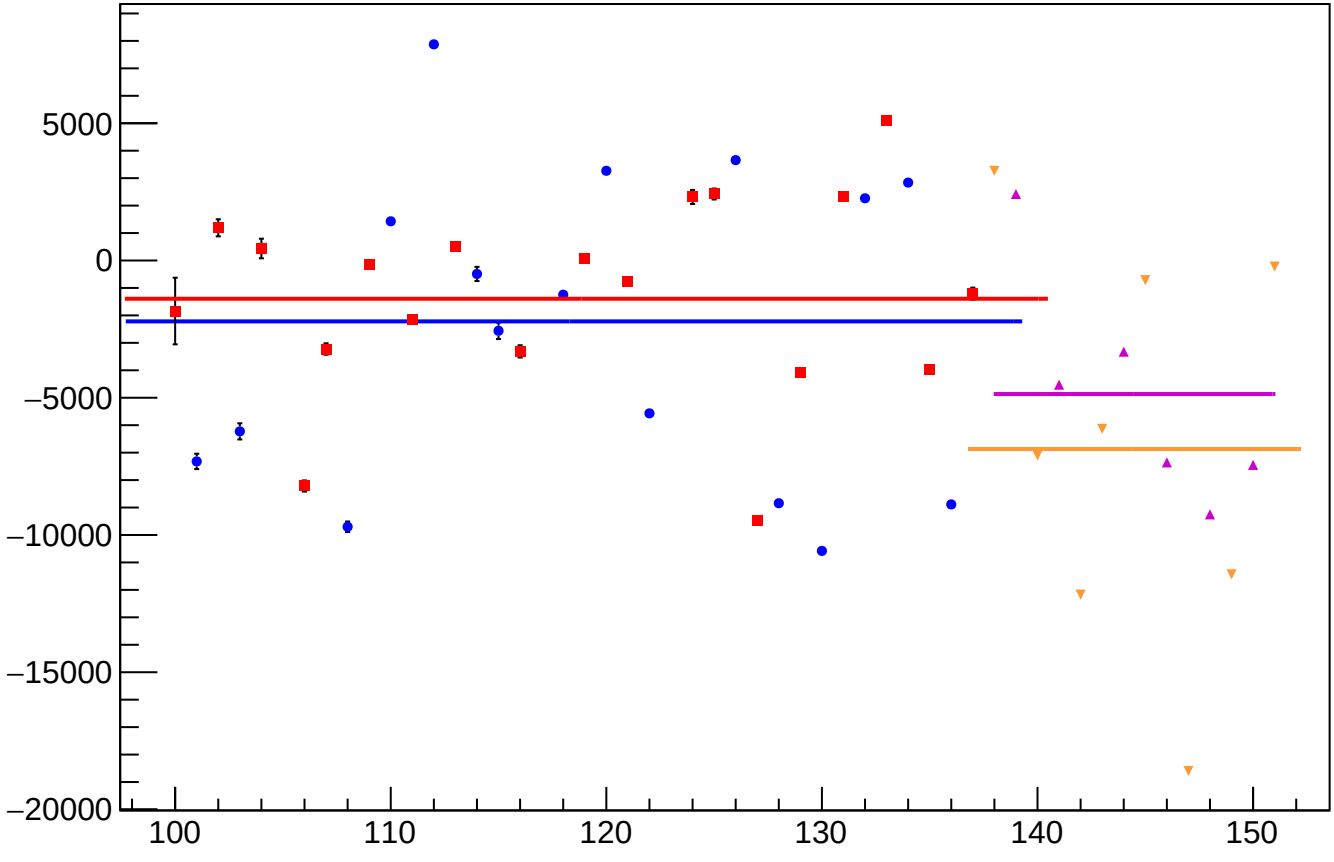
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 102.906+/-0.022 χ^2/NDF:865027.1/21

Out: 101.427+/-0.020 χ^2/NDF:991181.2/26

All: 102.122+/-0.015 χ^2/NDF: 1858711.5/48

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -6867.612+/-40.515 χ^2/NDF:29591.2/7

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4864.626+/-44.296 χ^2/NDF:7319.4/5

Left: -5955.239+/-29.896 χ^2/NDF: 38023.8/13

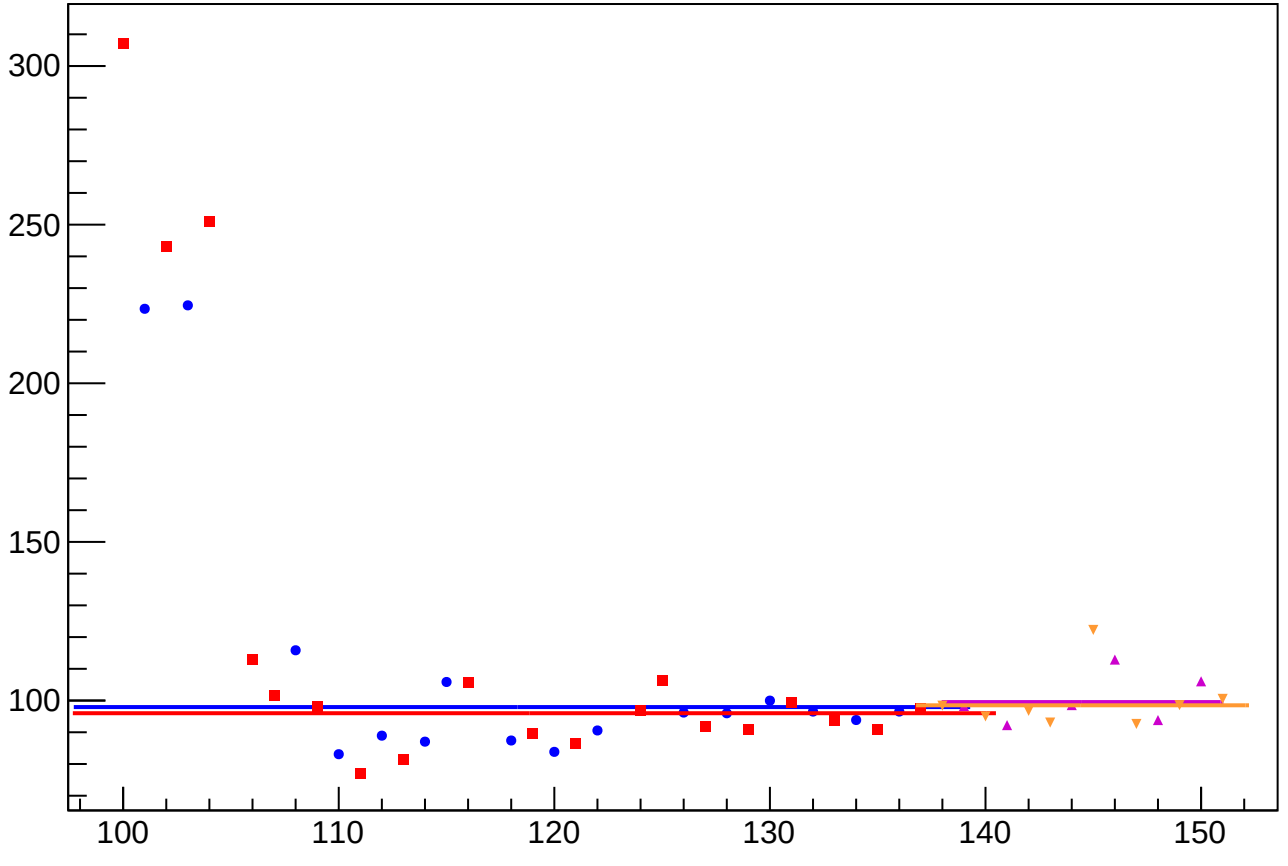
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3375.024+/-29.288 χ^2/NDF:32369.2/21

Out: -3925.099+/-27.552 χ^2/NDF:48555.9/26

All: -3666.842+/-20.068 χ^2/NDF: 81112.3/48

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.501+/-0.029 χ^2/NDF:73766.7/7

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 99.517+/-0.031 χ^2/NDF:48095.7/5

Left: 98.964+/-0.021 χ^2/NDF: 122435.3/13

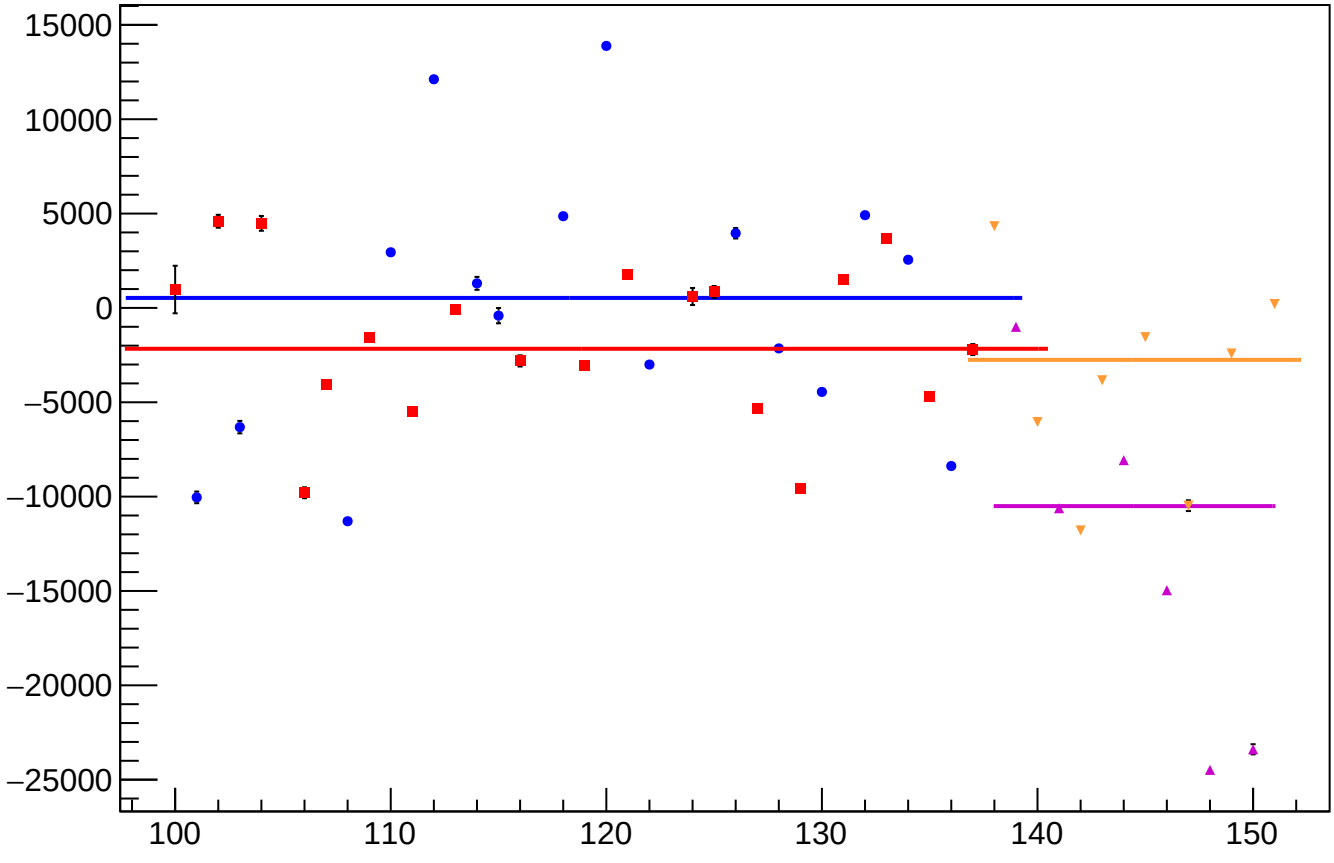
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 98.631+/-0.021 χ^2/NDF:917664.2/21

Out: 97.159+/-0.019 χ^2/NDF:1090134.9/26

All: 97.850+/-0.014 χ^2/NDF: 2010480.2/48

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2751.225+/-68.404 χ^2/NDF:5067.9/7

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -10502.603+/-78.653 χ^2/NDF:9319.8/5

Left: -6089.292+/-51.615 χ^2/NDF: 19917.6/13

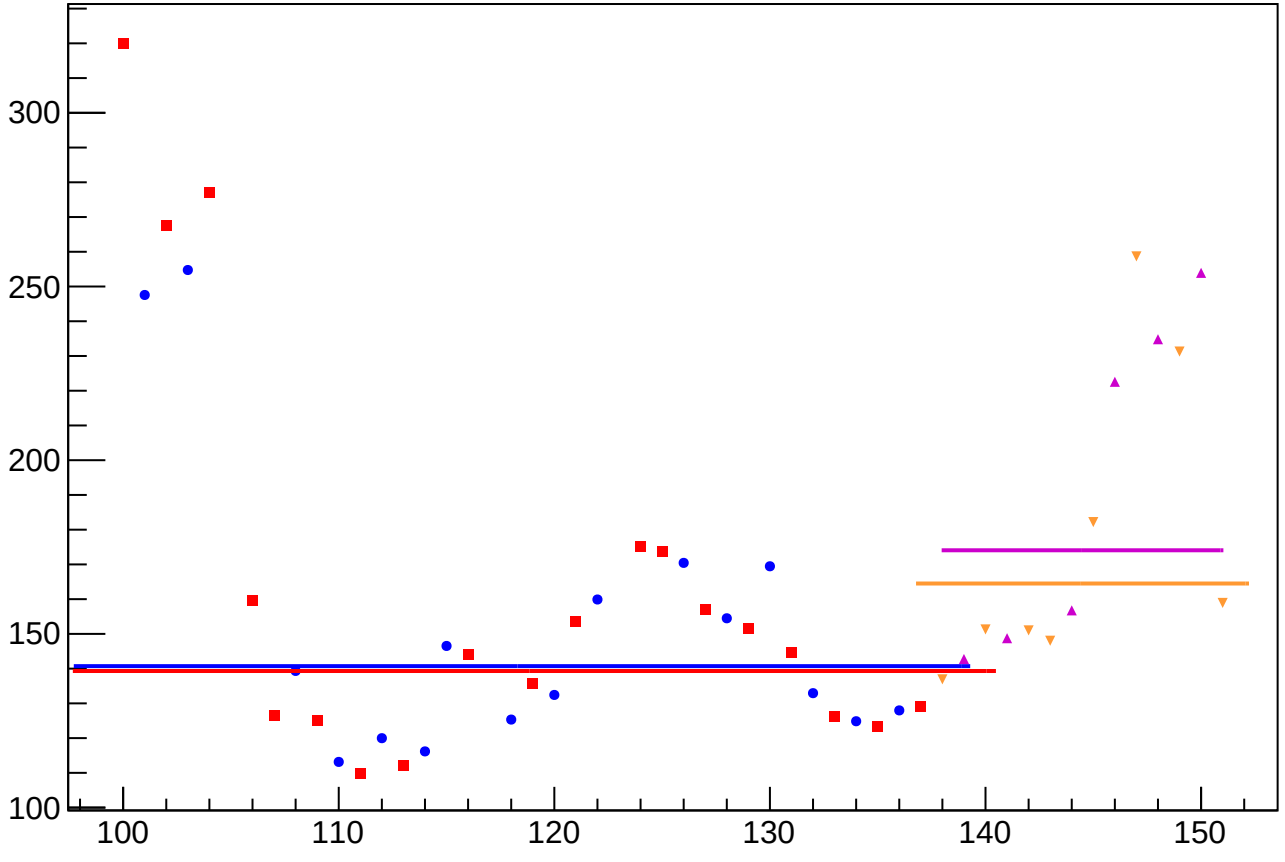
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -3079.875+/-44.993 χ^2/NDF:41145.7/21

Out: -2387.277+/-42.121 χ^2/NDF:10080.7/26

All: -2710.767+/-30.749 χ^2/NDF: 51352.7/48

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 164.502+/-0.048 χ^2/NDF:474069.8/7

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 174.070+/-0.056 χ^2/NDF:519226.9/5

Left: 168.623+/-0.036 χ^2/NDF: 1010146.2/13

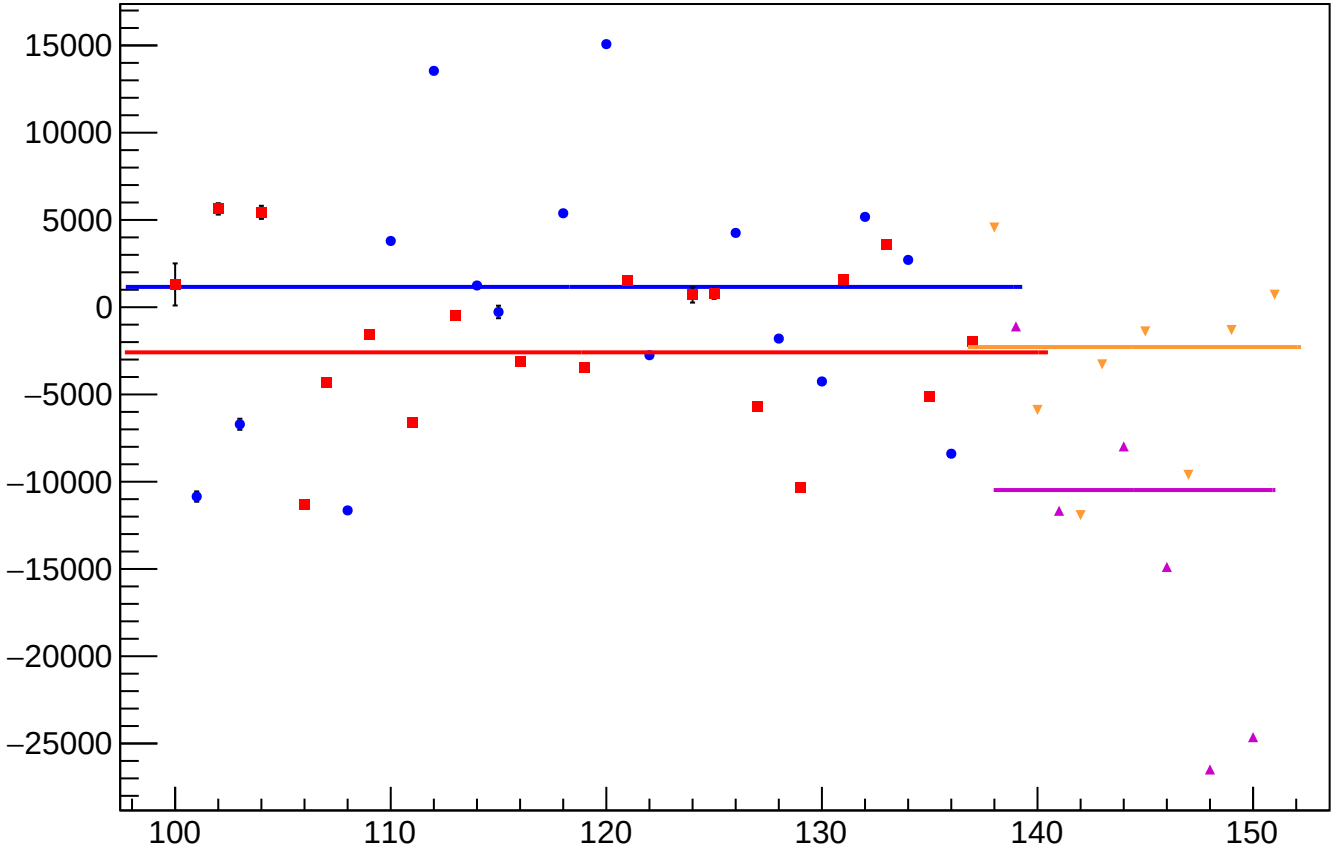
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 151.630+/-0.032 χ^2/NDF:1436824.3/21

Out: 148.867+/-0.030 χ^2/NDF:1444707.1/26

All: 150.157+/-0.022 χ^2/NDF: 2885552.1/48

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2282.983+/-61.500 χ^2/NDF:6537.2/7

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -10477.473+/-70.730 χ^2/NDF:12547.8/5

Left: -5810.996+/-46.410 χ^2/NDF: 26728.7/13

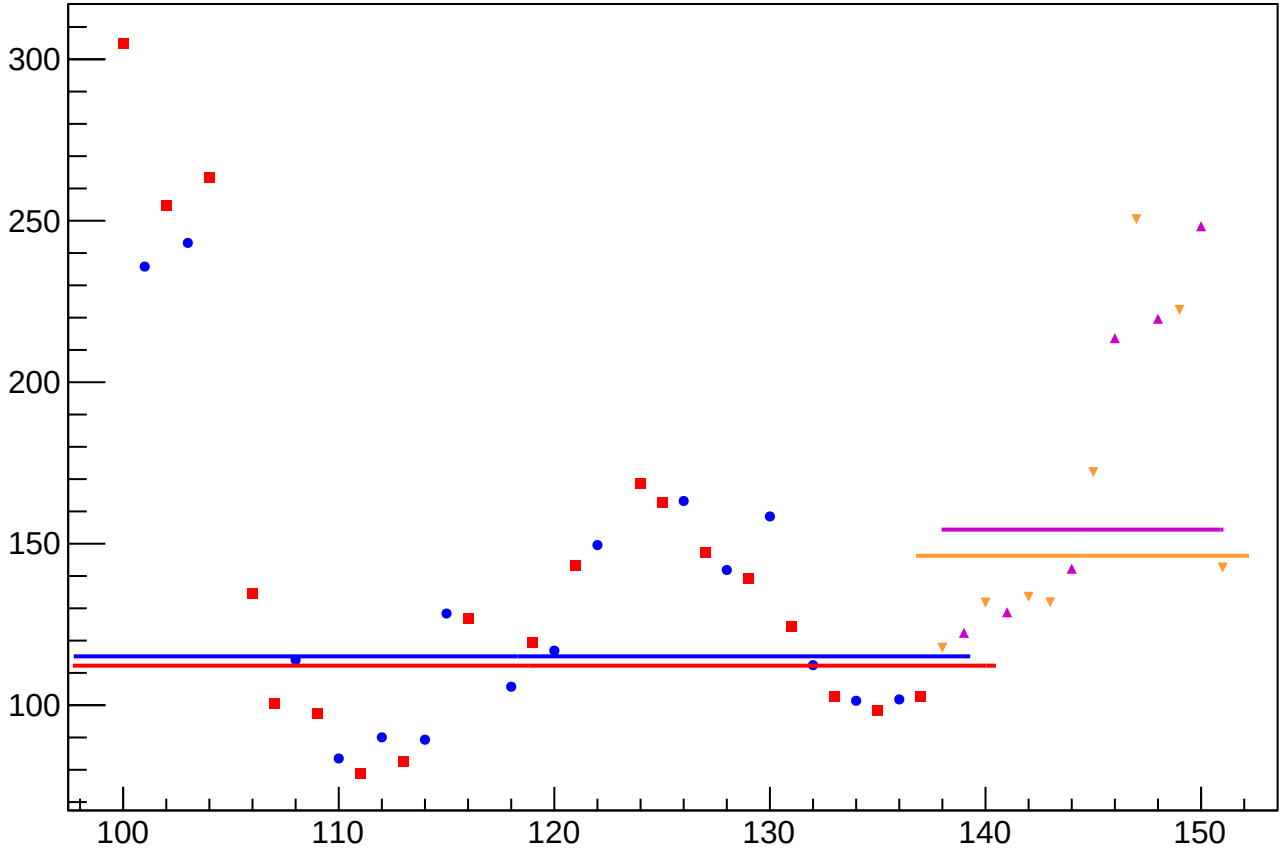
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -2289.682+/-38.521 χ^2/NDF:62353.7/21

Out: -2483.116+/-35.922 χ^2/NDF:14652.9/26

All: -2393.144+/-26.271 χ^2/NDF: 77020.1/48

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 146.263+/-0.043 χ^2/NDF:650260.0/7

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 154.369+/-0.050 χ^2/NDF:723415.8/5

Left: 149.753+/-0.033 χ^2/NDF: 1388636.8/13

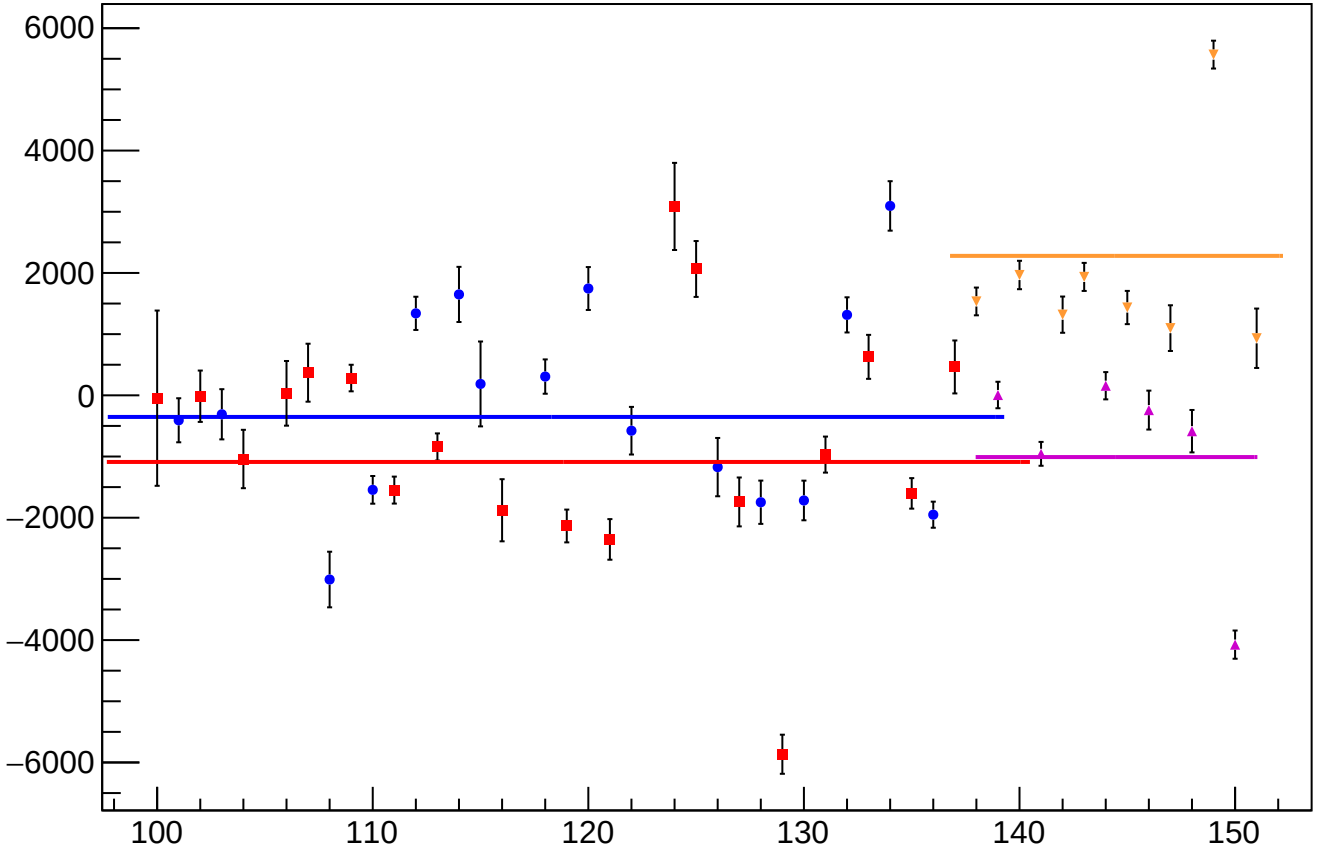
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 126.765+/-0.027 χ^2/NDF:2269474.1/21

Out: 123.848+/-0.025 χ^2/NDF:2381650.8/26

All: 125.205+/-0.019 χ^2/NDF: 4657259.5/48

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 2279.205+/-94.205 χ^2/NDF:261.3/7

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: -1008.859+/-97.680 χ^2/NDF:233.4/5

Left: 694.702+/-67.808 χ^2/NDF: 1081.7/13

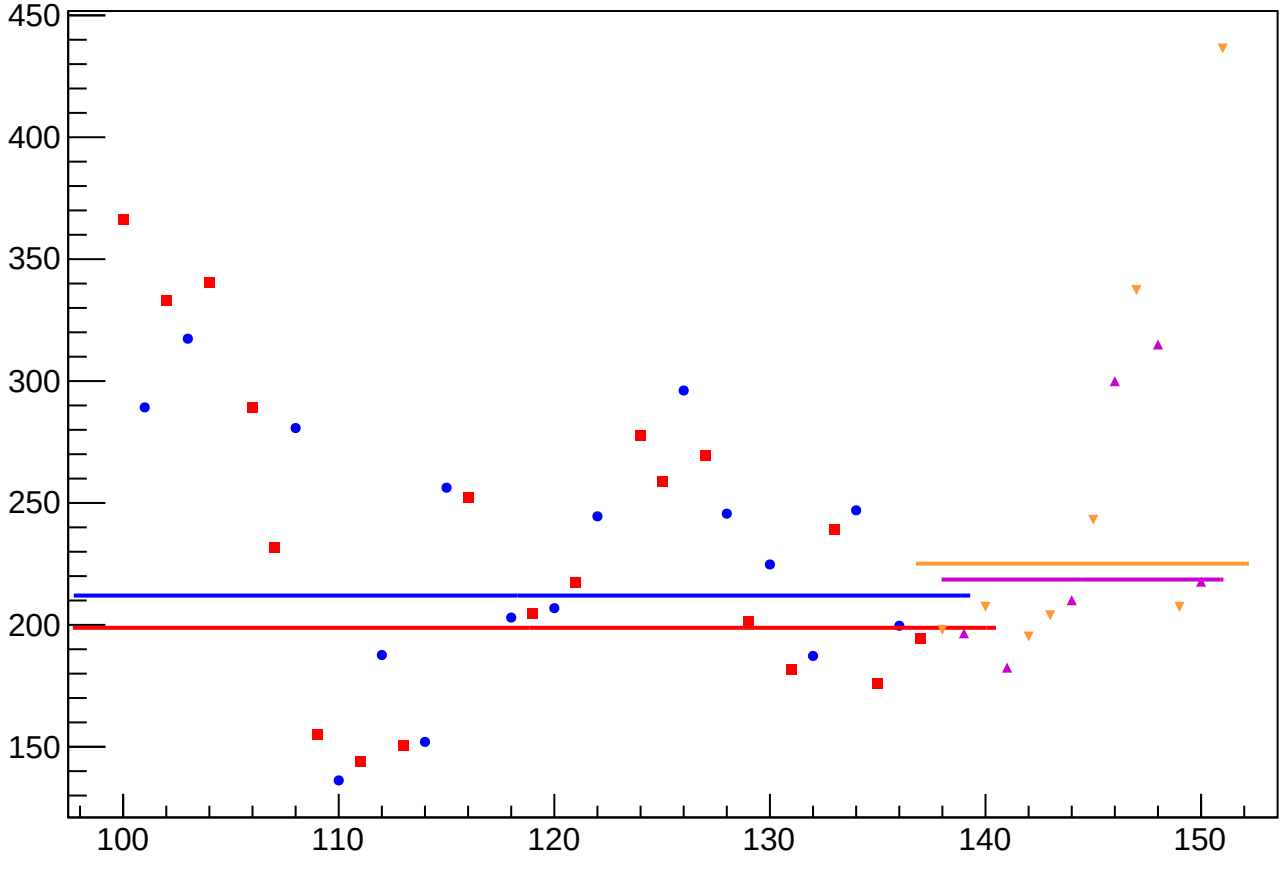
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -624.730+/-62.865 χ^2/NDF:621.6/21

Out: 248.451+/-59.359 χ^2/NDF:1479.1/26

All: -163.115+/-43.159 χ^2/NDF: 2202.7/48

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 225.114+/-0.067 χ^2/NDF:657934.5/7

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 218.596+/-0.069 χ^2/NDF:377794.1/5

Left: 221.973+/-0.048 χ^2/NDF: 1040343.5/13

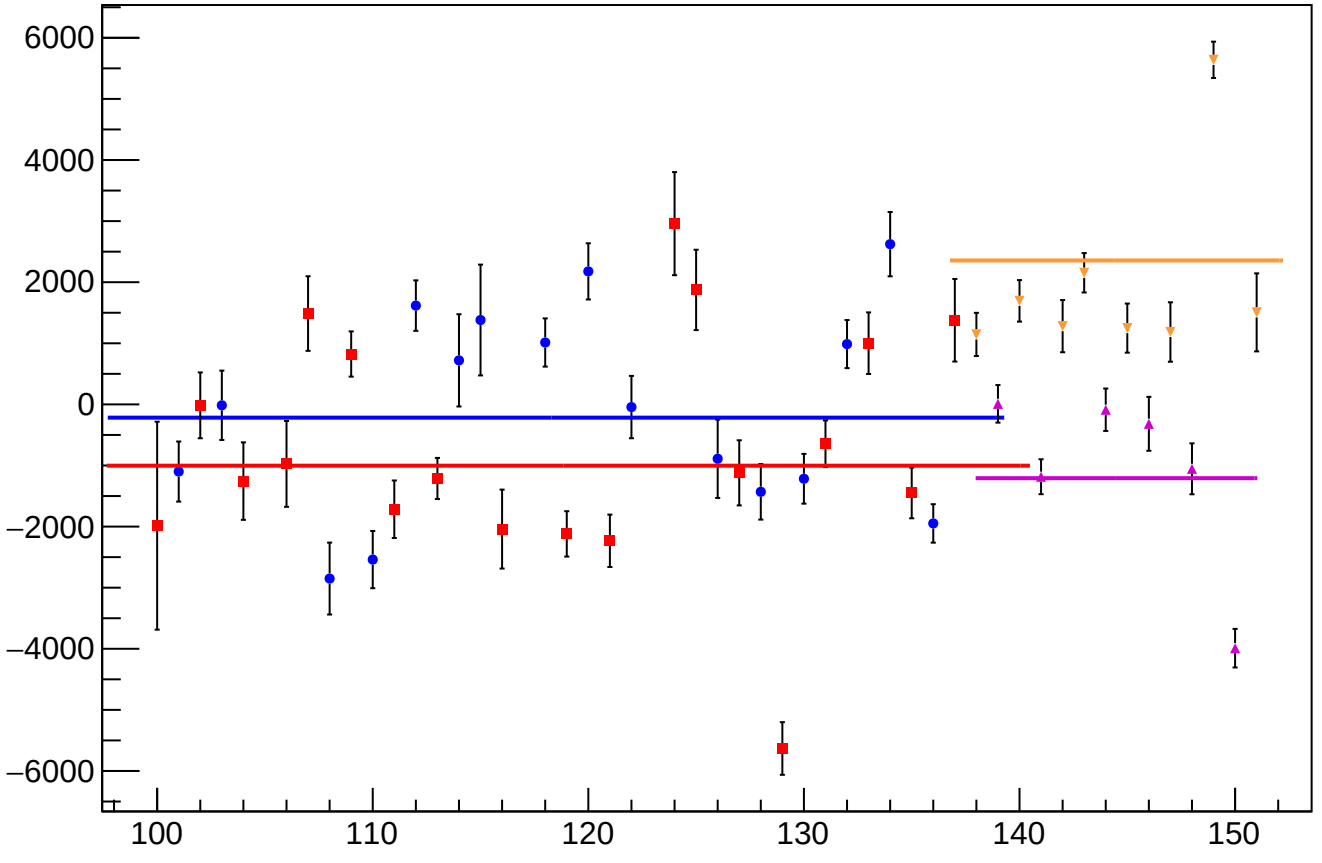
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 214.748+/-0.044 χ^2/NDF:1073449.8/21

Out: 209.253+/-0.042 χ^2/NDF:1726890.7/26

All: 211.843+/-0.031 χ^2/NDF: 2808417.7/48

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 2355.985+/-133.695 χ^2/NDF:159.4/7

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -1207.408+/-138.613 χ^2/NDF:107.9/5

Left: 638.618+/-96.228 χ^2/NDF: 609.6/13

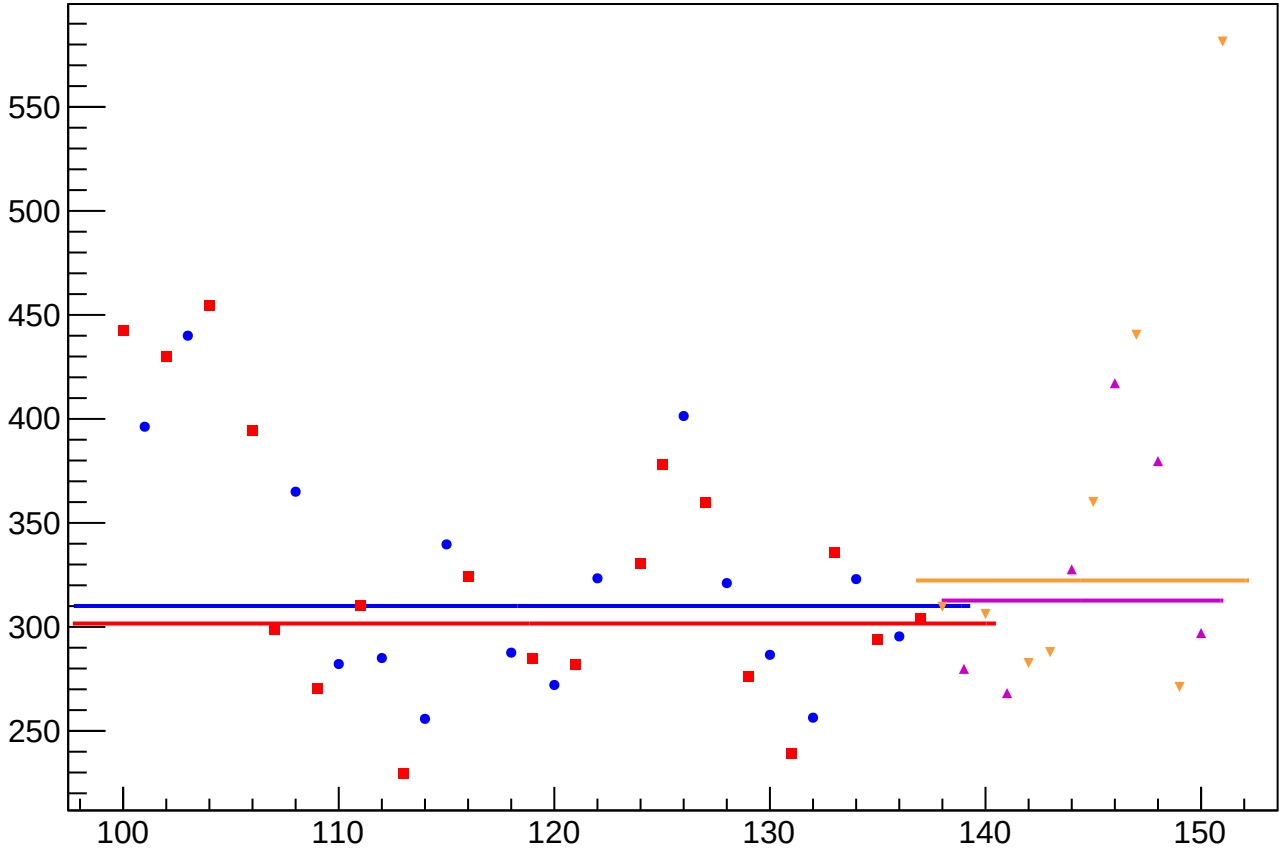
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -632.666+/-89.802 χ^2/NDF:329.7/21

Out: 398.245+/-86.352 χ^2/NDF:781.6/26

All: -97.031+/-62.244 χ^2/NDF: 1179.8/48

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 322.319+/-0.095 χ^2/NDF:571288.3/7

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 312.670+/-0.098 χ^2/NDF:243855.4/5

Left: 317.669+/-0.068 χ^2/NDF: 820164.1/13

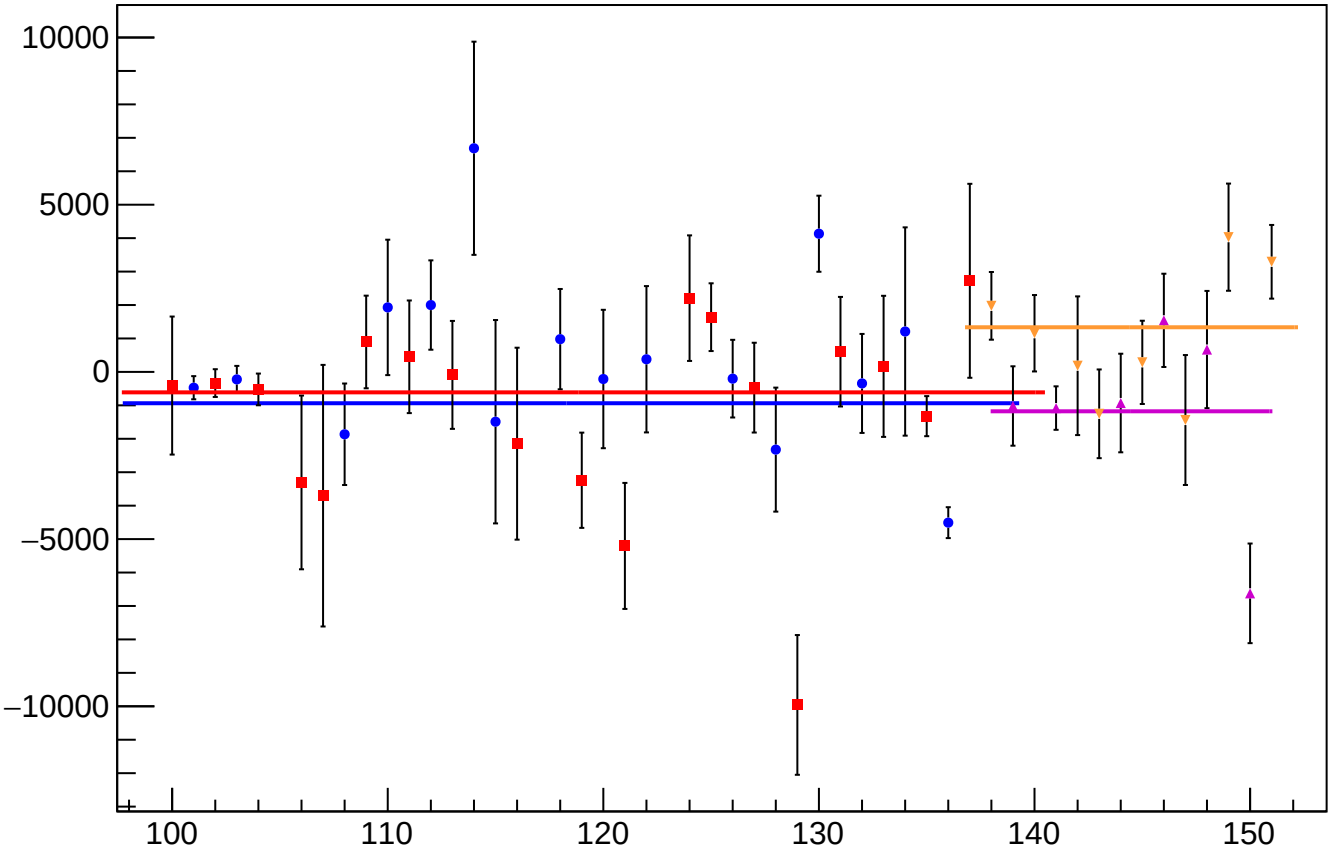
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 311.157+/-0.063 χ^2/NDF:567549.8/21

Out: 310.265+/-0.061 χ^2/NDF:1119071.7/26

All: 310.693+/-0.044 χ^2/NDF: 1686724.0/48

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1334.766+/-462.940 χ^2/NDF:13.3/7

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -1178.056+/-455.176 χ^2/NDF:18.3/5

Left: 57.106+/-324.568 χ^2/NDF: 46.6/13

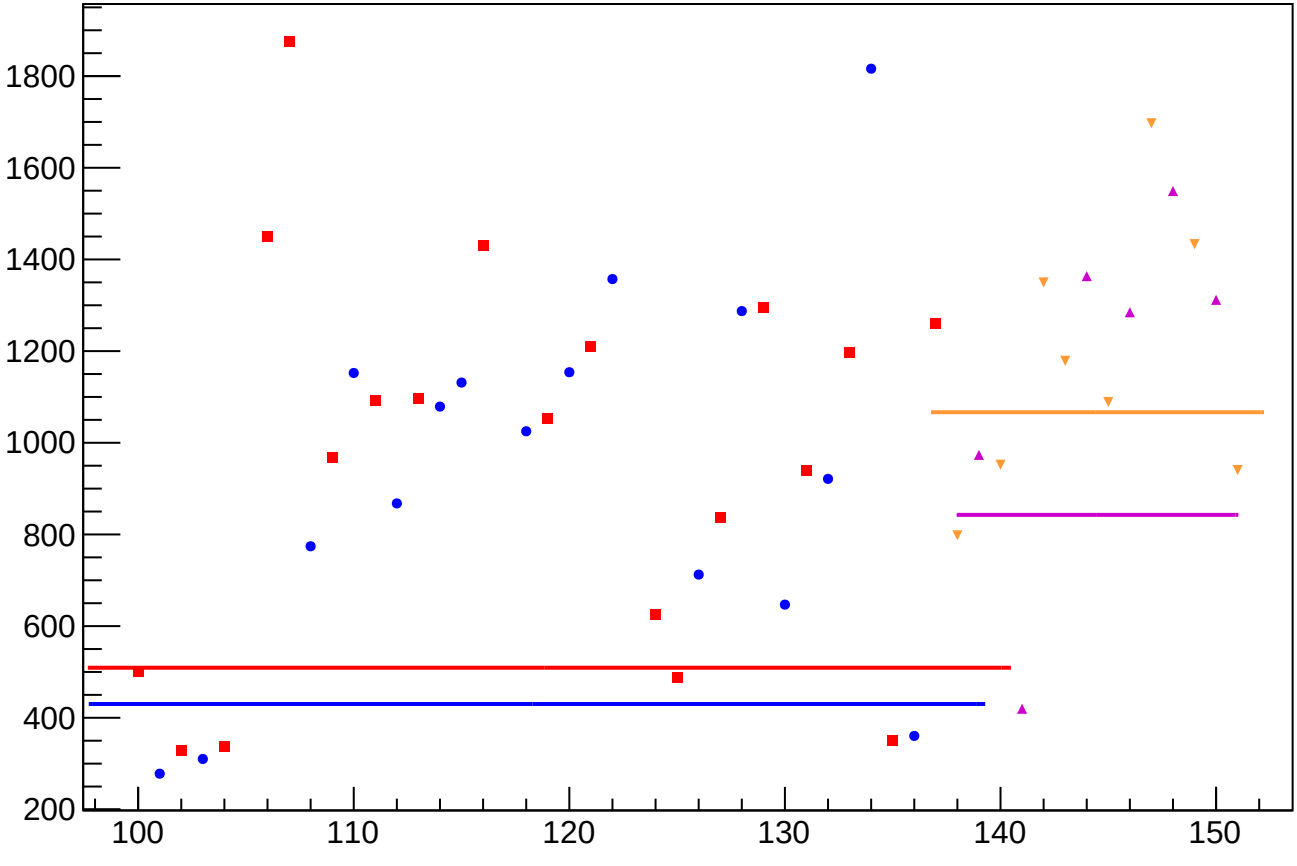
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -977.514+/-186.703 χ^2/NDF:119.8/21

Out: -217.873+/-208.229 χ^2/NDF:71.5/26

All: -638.975+/-139.008 χ^2/NDF: 198.6/48

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1066.653+/-0.327 χ^2/NDF:554694.7/7

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 842.736+/-0.322 χ^2/NDF:1845160.8/5

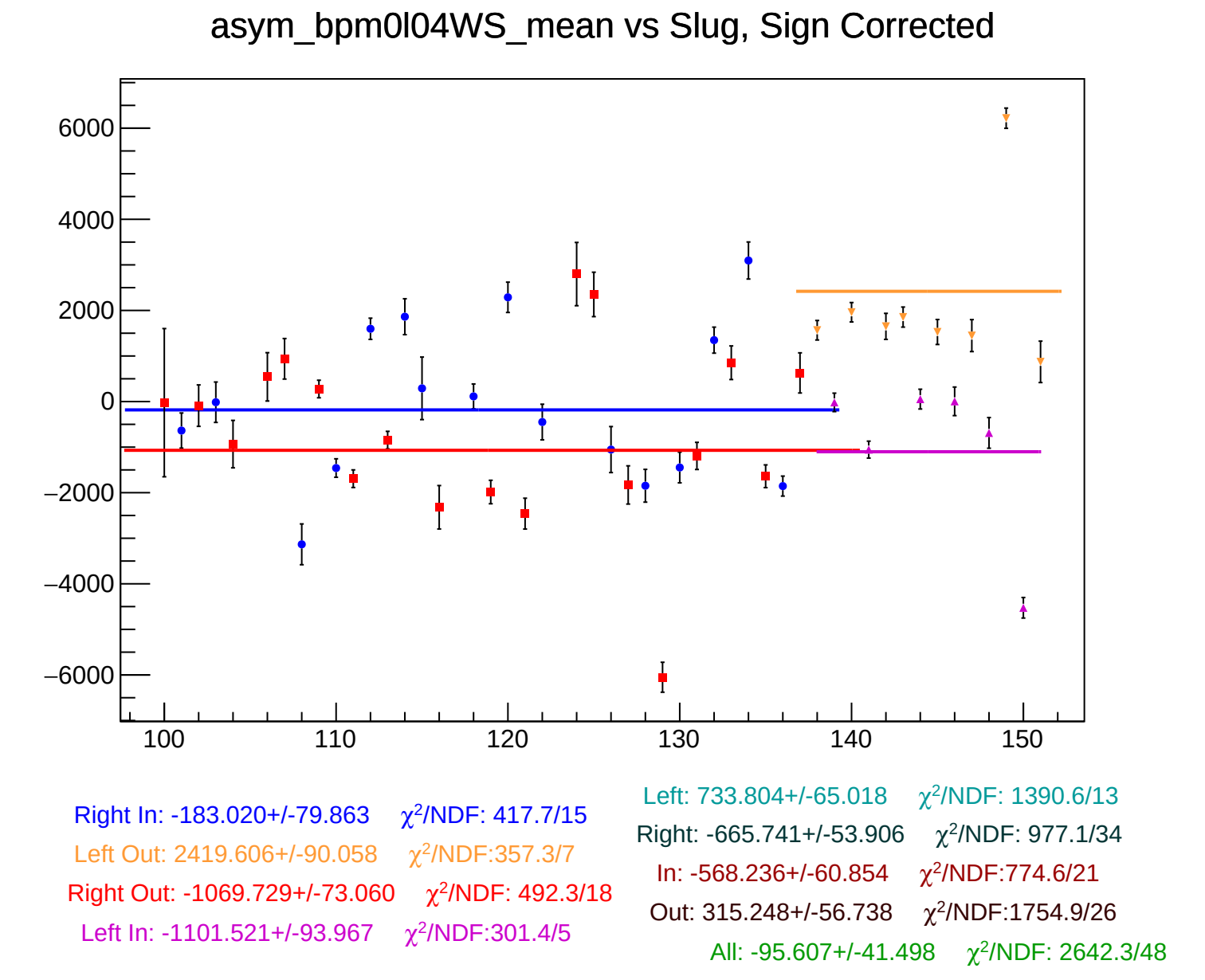
Left: 952.801+/-0.230 χ^2/NDF: 2637762.5/13

Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

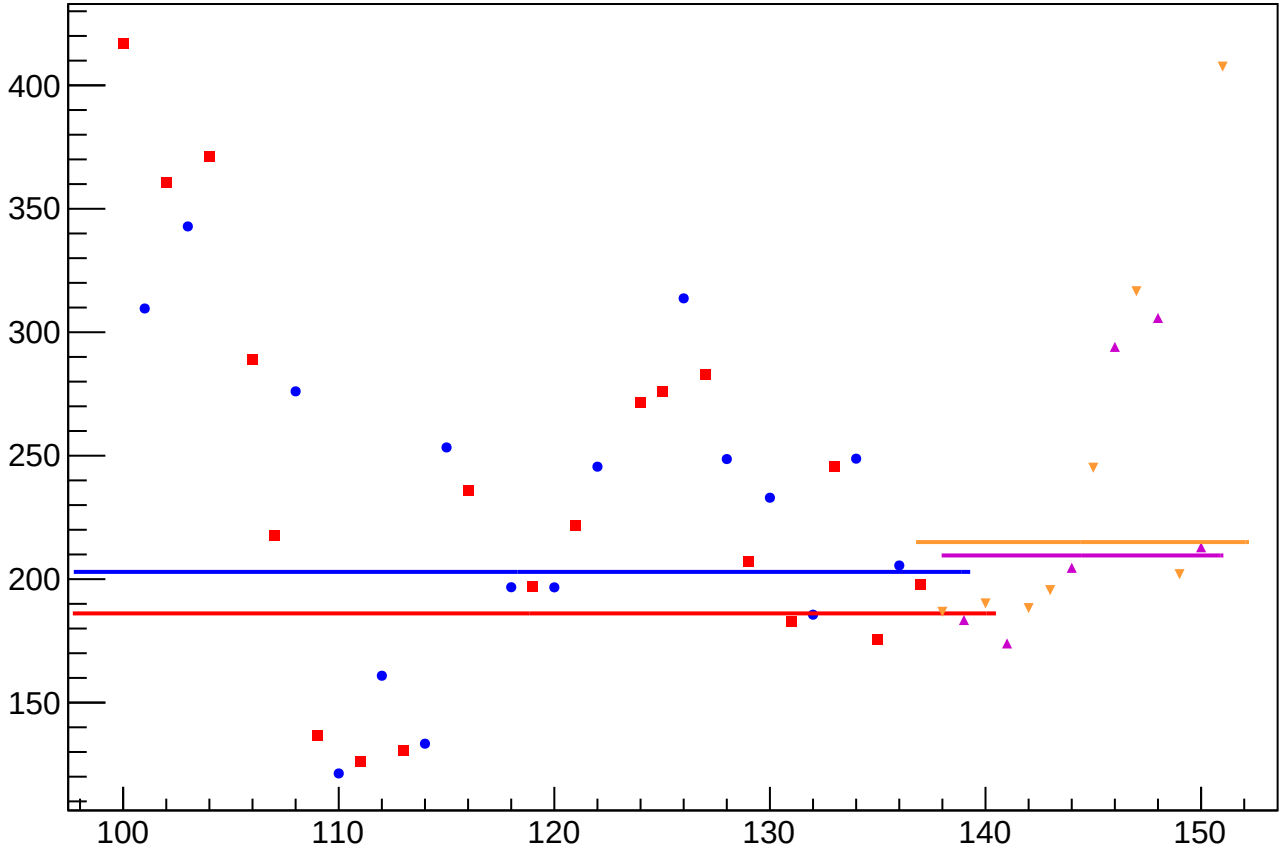
In: 499.533+/-0.132 χ^2/NDF:6734059.2/21

Out: 622.010+/-0.147 χ^2/NDF:6541099.0/26

All: 554.116+/-0.098 χ^2/NDF: 13658725.6/48


asym_bpm0l04WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -183.020+/-79.863 χ²/NDF: 417.7/15
Left Out: 2419.606+/-90.058 χ²/NDF:357.3/7
Right Out: -1069.729+/-73.060 χ²/NDF: 492.3/18
Left In: -1101.521+/-93.967 χ²/NDF:301.4/5
Left: 733.804+/-65.018 χ²/NDF: 1390.6/13
Right: -665.741+/-53.906 χ²/NDF: 977.1/34
In: -568.236+/-60.854 χ²/NDF:774.6/21
Out: 315.248+/-56.738 χ²/NDF:1754.9/26
All: -95.607+/-41.498 χ²/NDF: 2642.3/48

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.022+/-0.064 χ^2/NDF:652938.2/7

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 209.599+/-0.066 χ^2/NDF:417200.8/5

Left: 212.426+/-0.046 χ^2/NDF: 1073610.6/13

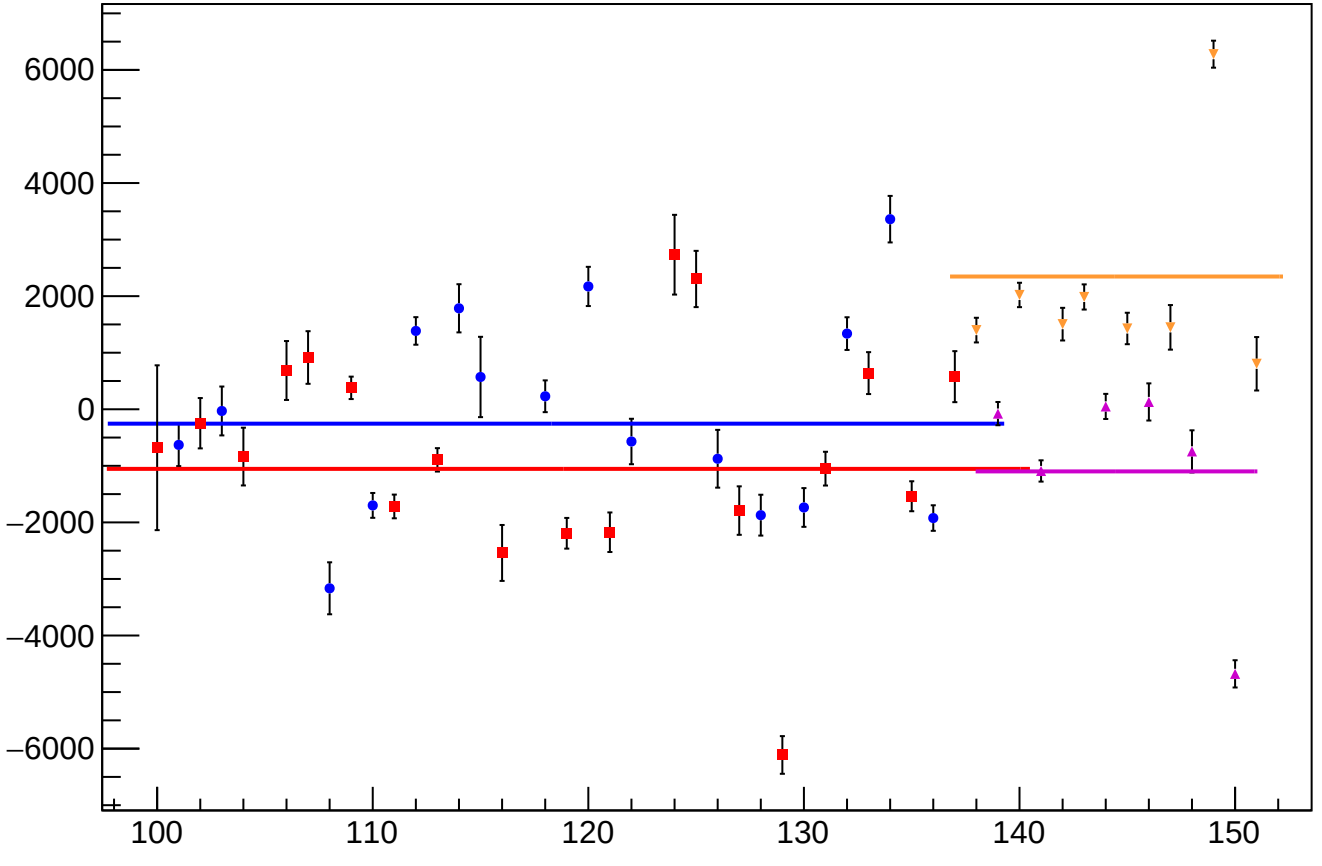
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 205.734+/-0.043 χ^2/NDF:1494889.5/21

Out: 197.597+/-0.040 χ^2/NDF:2258752.5/26

All: 201.381+/-0.029 χ^2/NDF: 3772769.6/48

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 2347.257+/-92.806 χ^2/NDF:330.0/7

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -1098.519+/-97.174 χ^2/NDF:287.1/5

Left: 703.555+/-67.115 χ^2/NDF: 1274.8/13

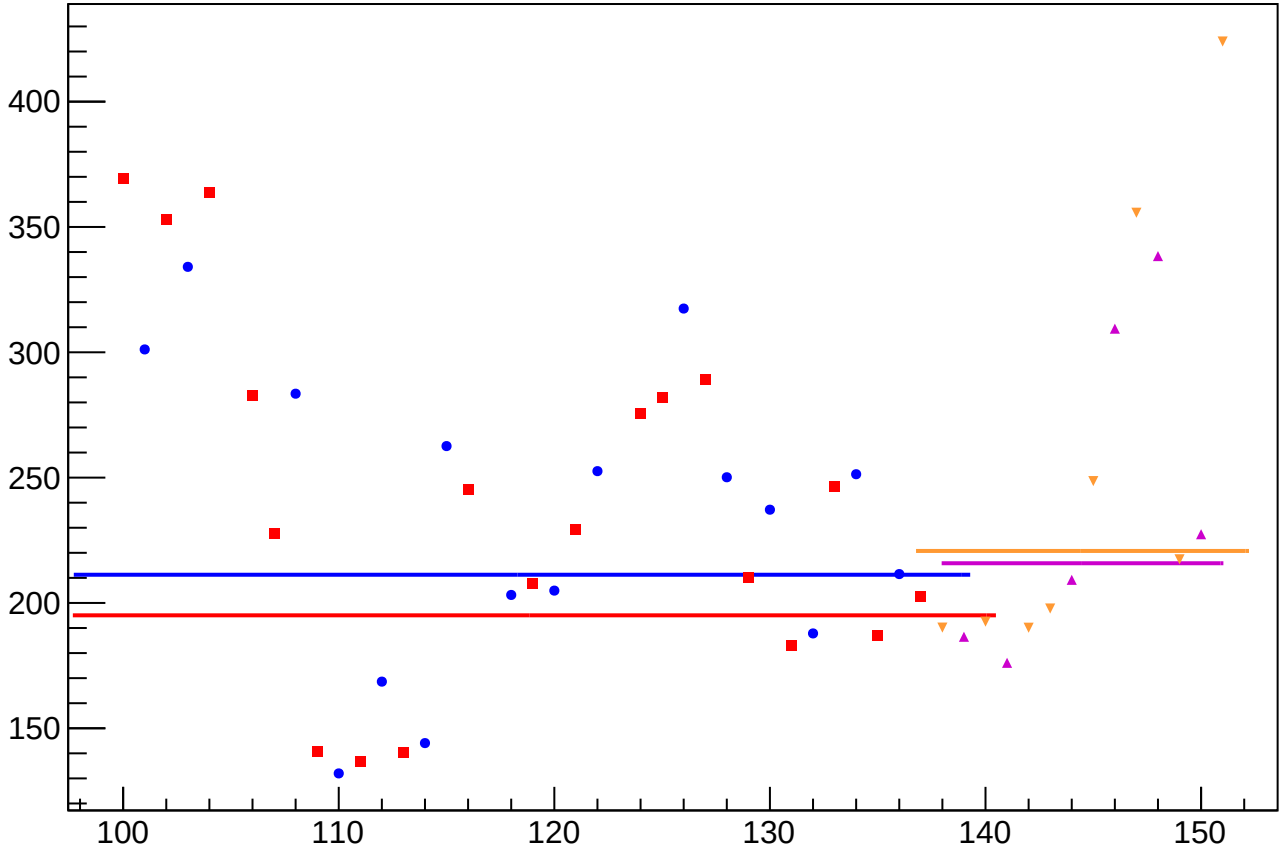
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -607.965+/-62.887 χ^2/NDF:740.2/21

Out: 310.829+/-58.785 χ^2/NDF:1611.8/26

All: -117.633+/-42.944 χ^2/NDF: 2466.0/48

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.745+/-0.066 χ^2/NDF:742309.8/7

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 215.838+/-0.069 χ^2/NDF:514835.0/5

Left: 218.404+/-0.047 χ^2/NDF: 1259811.3/13

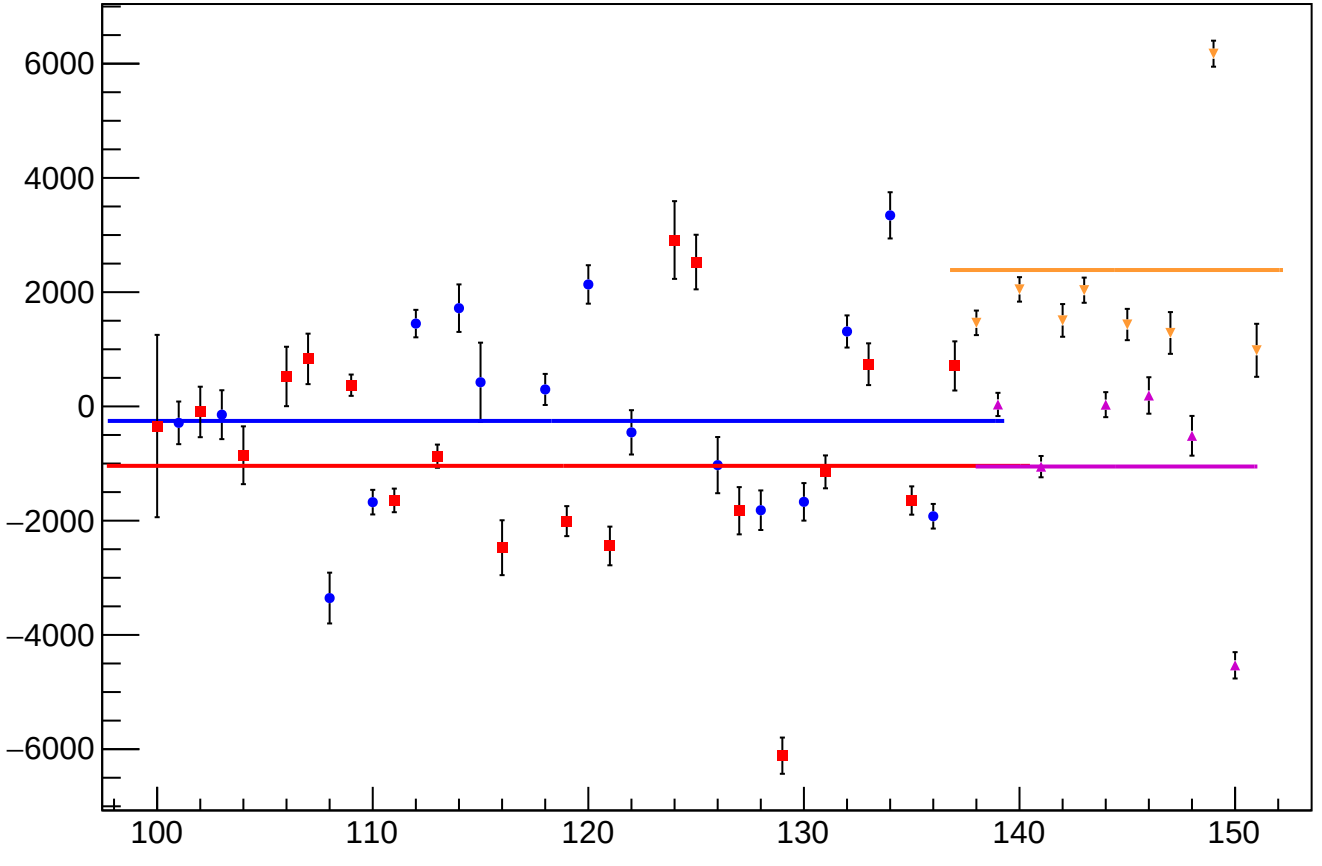
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 213.174+/-0.044 χ^2/NDF:1401786.2/21

Out: 205.366+/-0.042 χ^2/NDF:2118908.0/26

All: 209.007+/-0.030 χ^2/NDF: 3537146.3/48

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 2387.679+/-90.926 χ^2/NDF:339.7/7

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: -1051.971+/-95.042 χ^2/NDF:298.4/5

Left: 743.932+/-65.701 χ^2/NDF: 1322.0/13

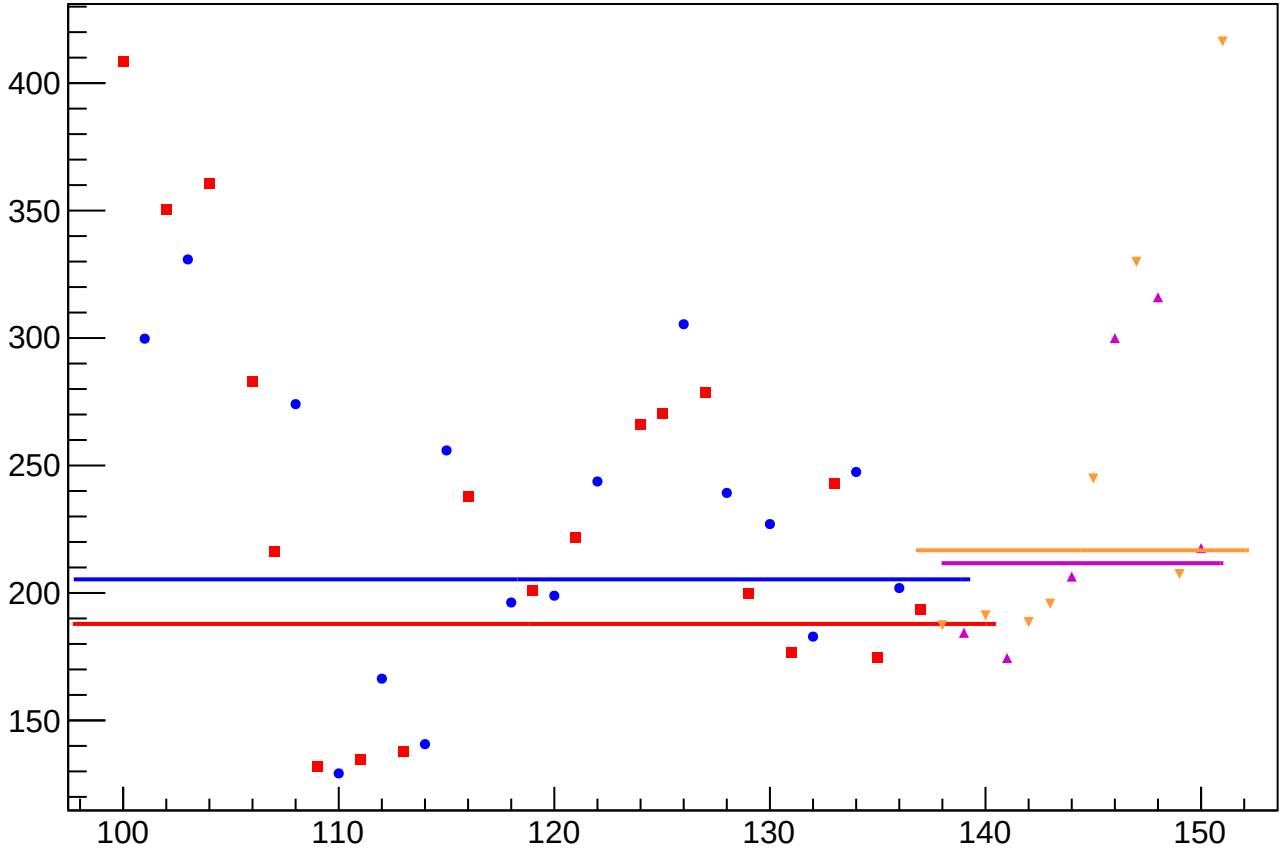
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -586.019+/-61.303 χ^2/NDF:771.7/21

Out: 311.325+/-57.096 χ^2/NDF:1734.0/26

All: -105.498+/-41.781 χ^2/NDF: 2620.4/48

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 216.732+/-0.064 χ^2/NDF:689424.5/7

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 211.685+/-0.067 χ^2/NDF:451114.8/5

Left: 214.320+/-0.046 χ^2/NDF: 1143482.9/13

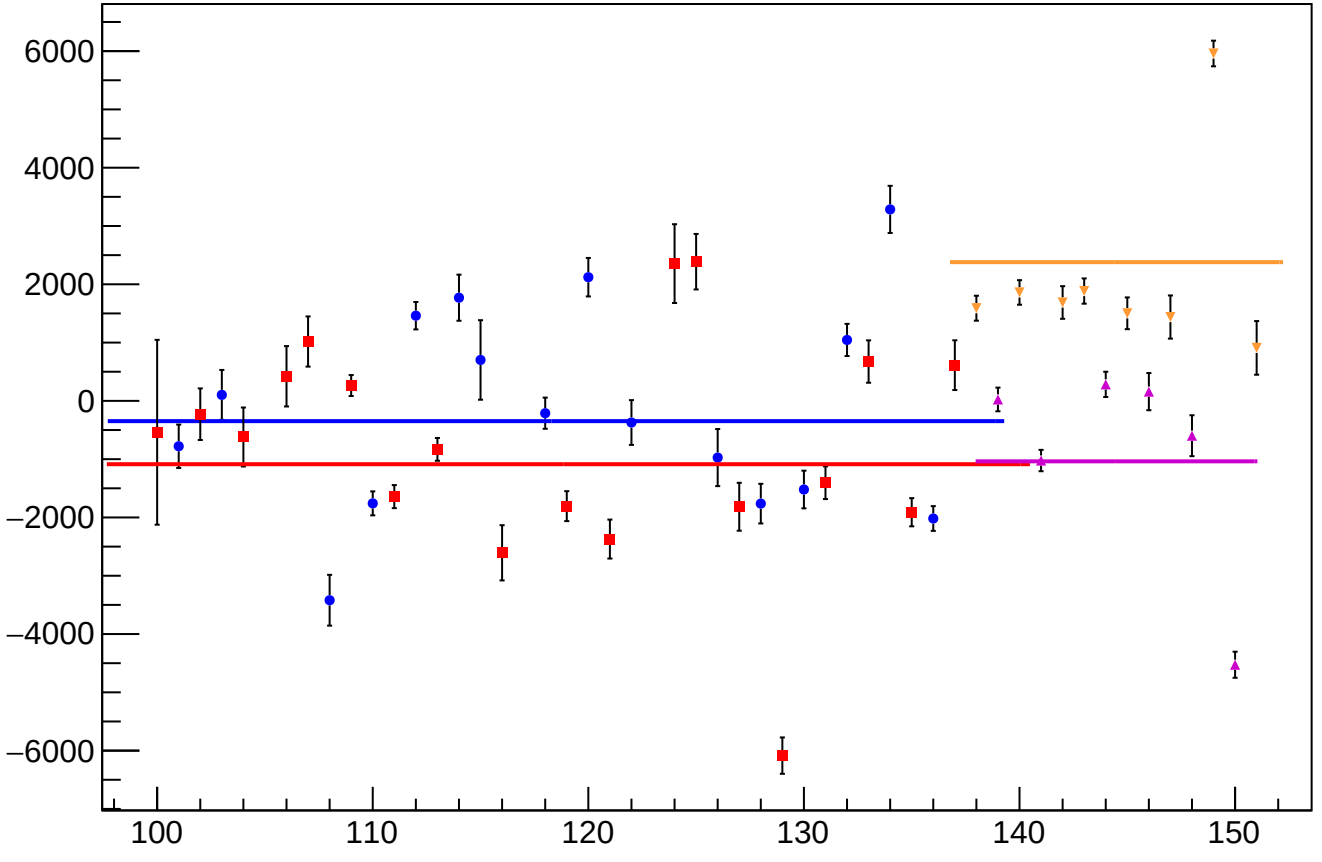
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 207.981+/-0.043 χ^2/NDF:1333717.4/21

Out: 199.237+/-0.040 χ^2/NDF:2148709.6/26

All: 203.299+/-0.030 χ^2/NDF: 3504214.3/48

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 2380.057+/-89.592 χ^2/NDF:323.0/7

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: -1037.141+/-93.943 χ^2/NDF:323.3/5

Left: 752.410+/-64.835 χ^2/NDF: 1339.2/13

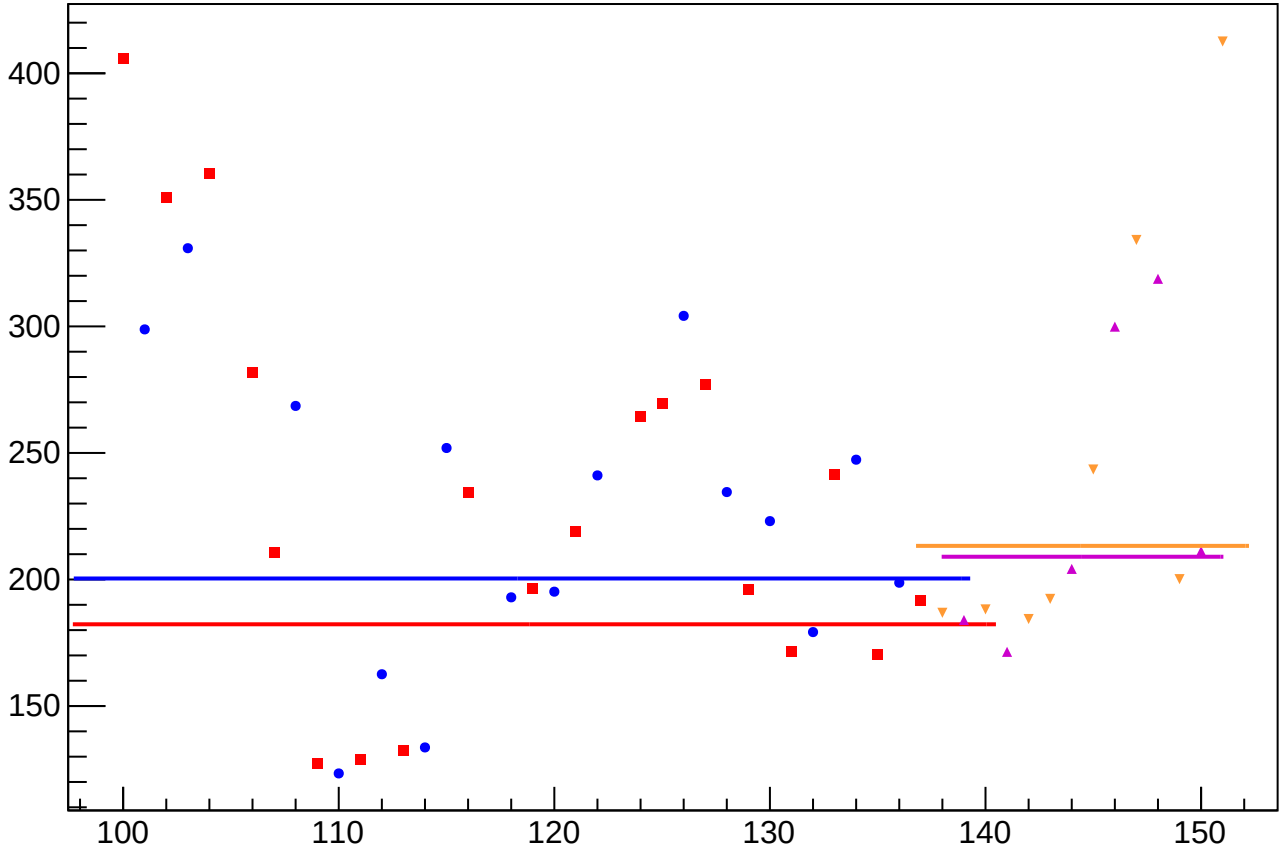
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -631.436+/-60.268 χ^2/NDF:800.8/21

Out: 263.112+/-55.904 χ^2/NDF:1764.5/26

All: -150.602+/-40.986 χ^2/NDF: 2683.7/48

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 213.285+/-0.063 χ^2/NDF:718670.3/7

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 208.992+/-0.066 χ^2/NDF:473891.8/5

Left: 211.240+/-0.046 χ^2/NDF: 1194749.4/13

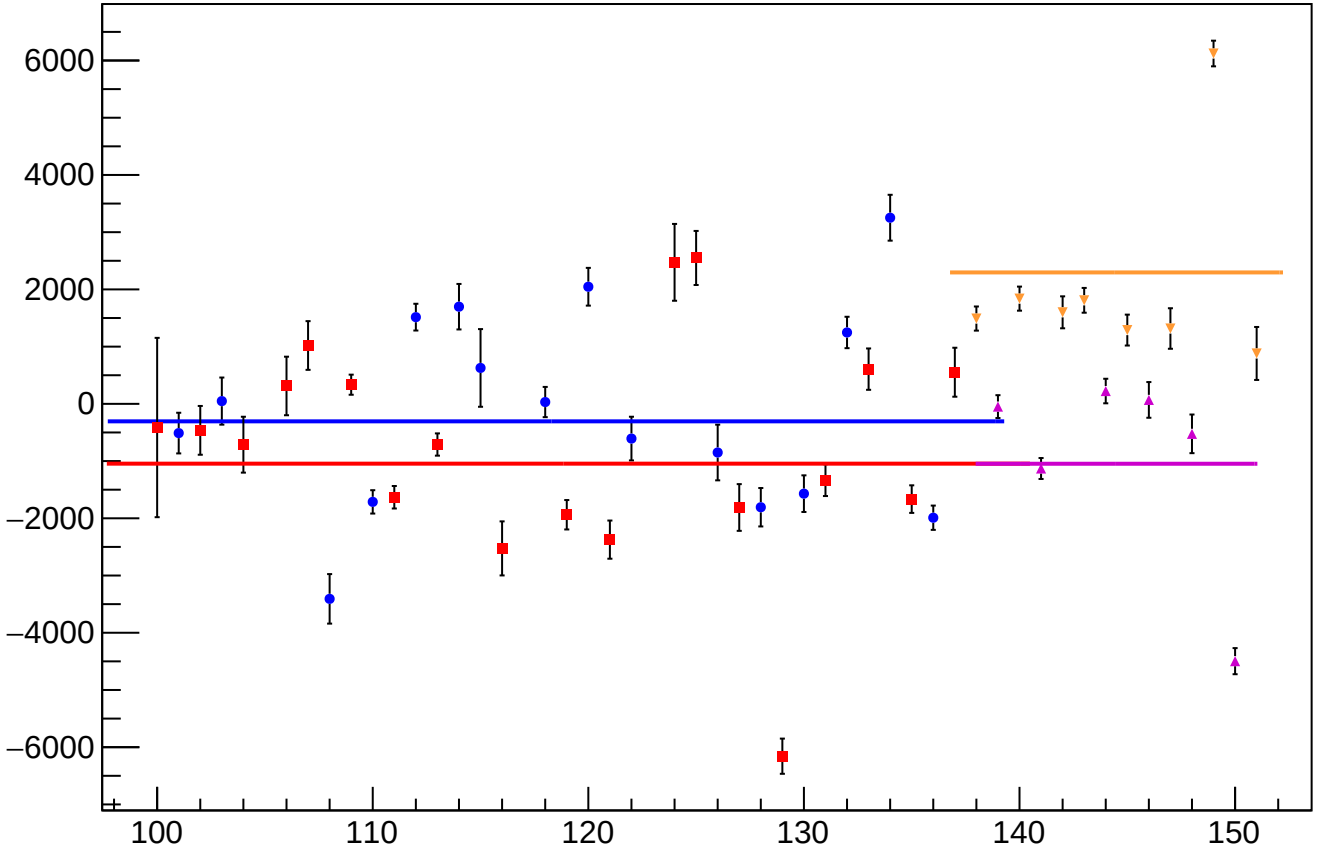
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 203.936+/-0.043 χ^2/NDF:1442740.1/21

Out: 194.365+/-0.040 χ^2/NDF:2311932.6/26

All: 198.791+/-0.029 χ^2/NDF: 3781782.7/48

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 2296.636+/-89.276 χ^2/NDF:352.5/7

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: -1046.716+/-93.285 χ^2/NDF:304.1/5

Left: 698.343+/-64.499 χ^2/NDF: 1327.0/13

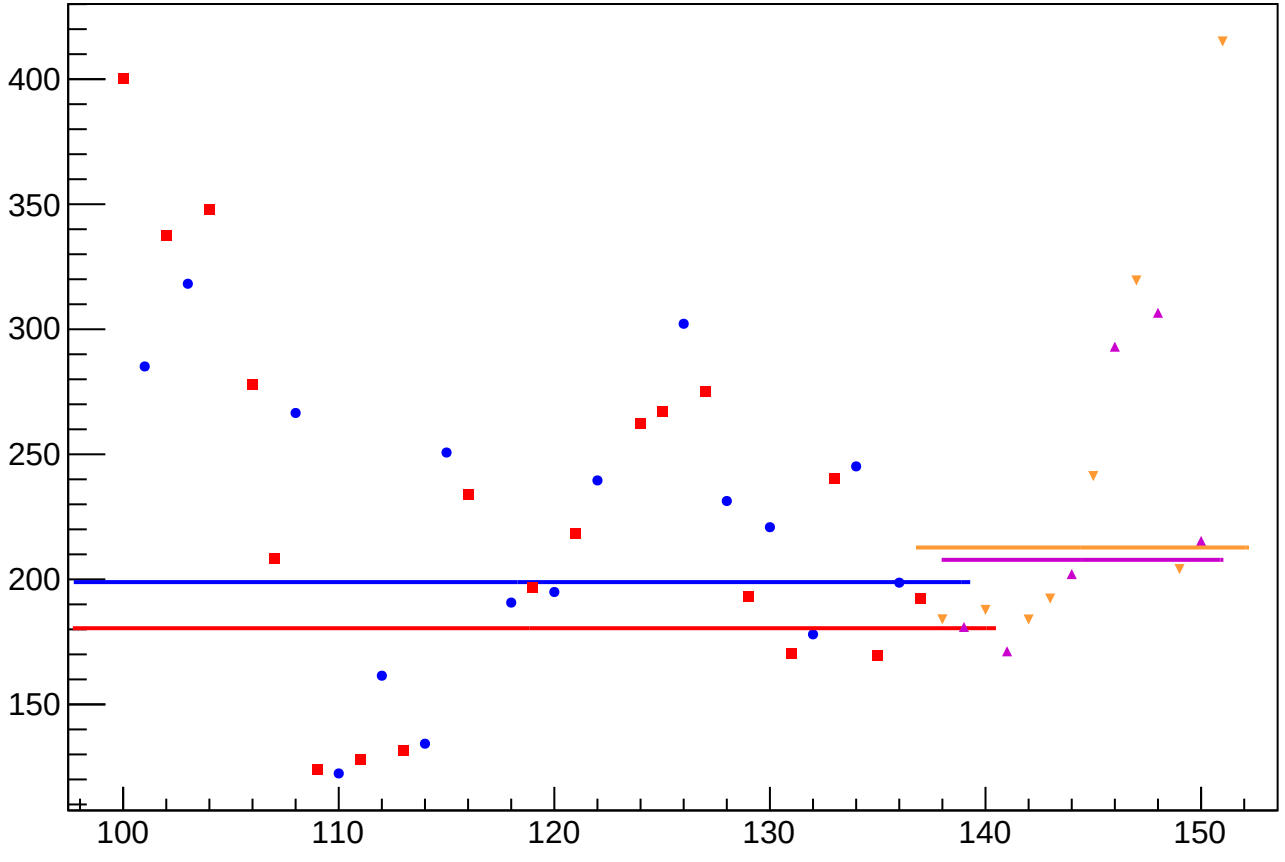
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -609.967+/-59.779 χ^2/NDF:793.1/21

Out: 245.632+/-55.485 χ^2/NDF:1764.6/26

All: -150.335+/-40.667 χ^2/NDF: 2667.8/48

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.739+/-0.063 χ^2/NDF:693561.3/7

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 207.811+/-0.066 χ^2/NDF:440082.5/5

Left: 210.383+/-0.046 χ^2/NDF: 1136557.6/13

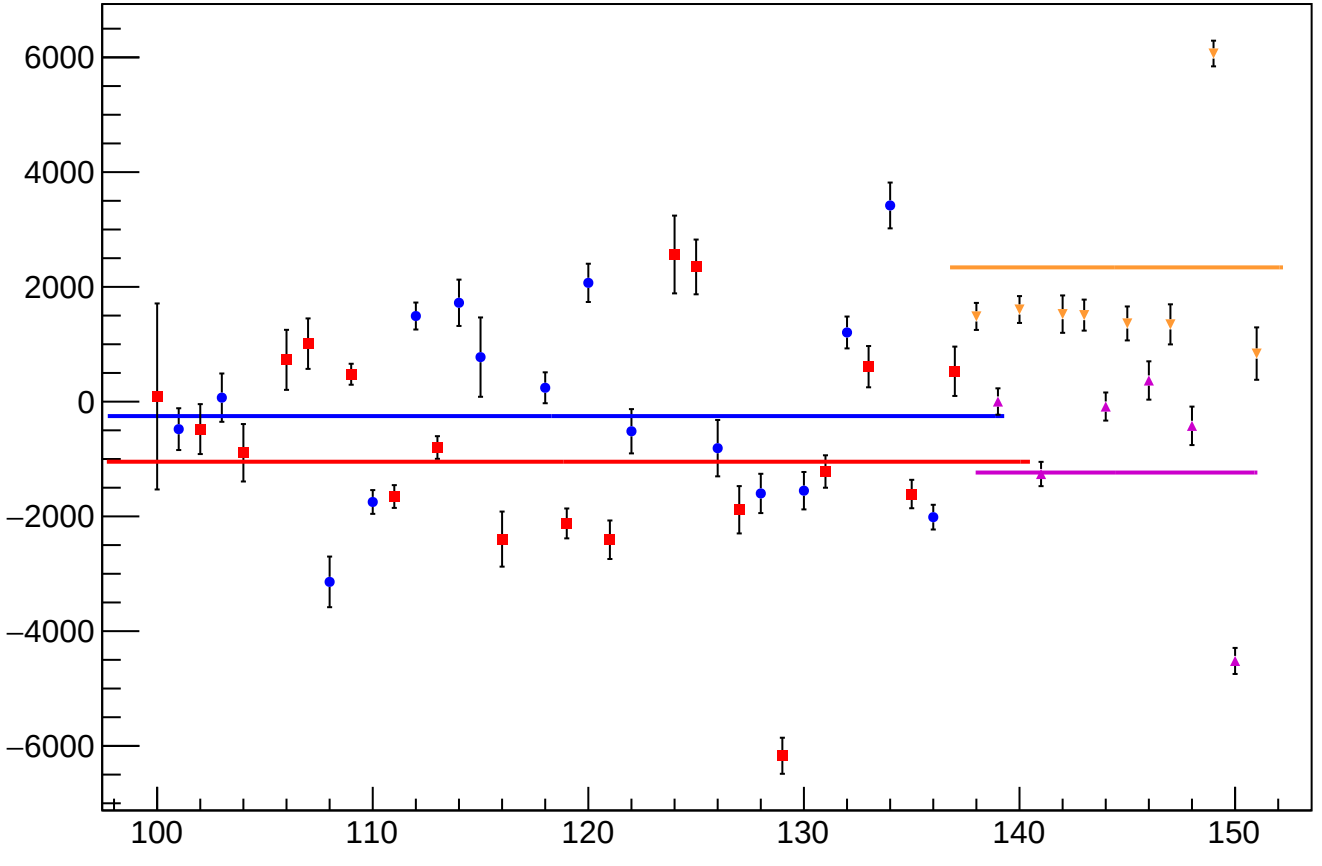
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 202.561+/-0.042 χ^2/NDF:1363596.9/21

Out: 192.936+/-0.039 χ^2/NDF:2288343.5/26

All: 197.390+/-0.029 χ^2/NDF: 3679793.4/48

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 2339.836+/-98.175 χ^2/NDF:345.7/7

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: -1235.719+/-102.493 χ^2/NDF:289.2/5

Left: 628.955+/-70.897 χ^2/NDF: 1269.6/13

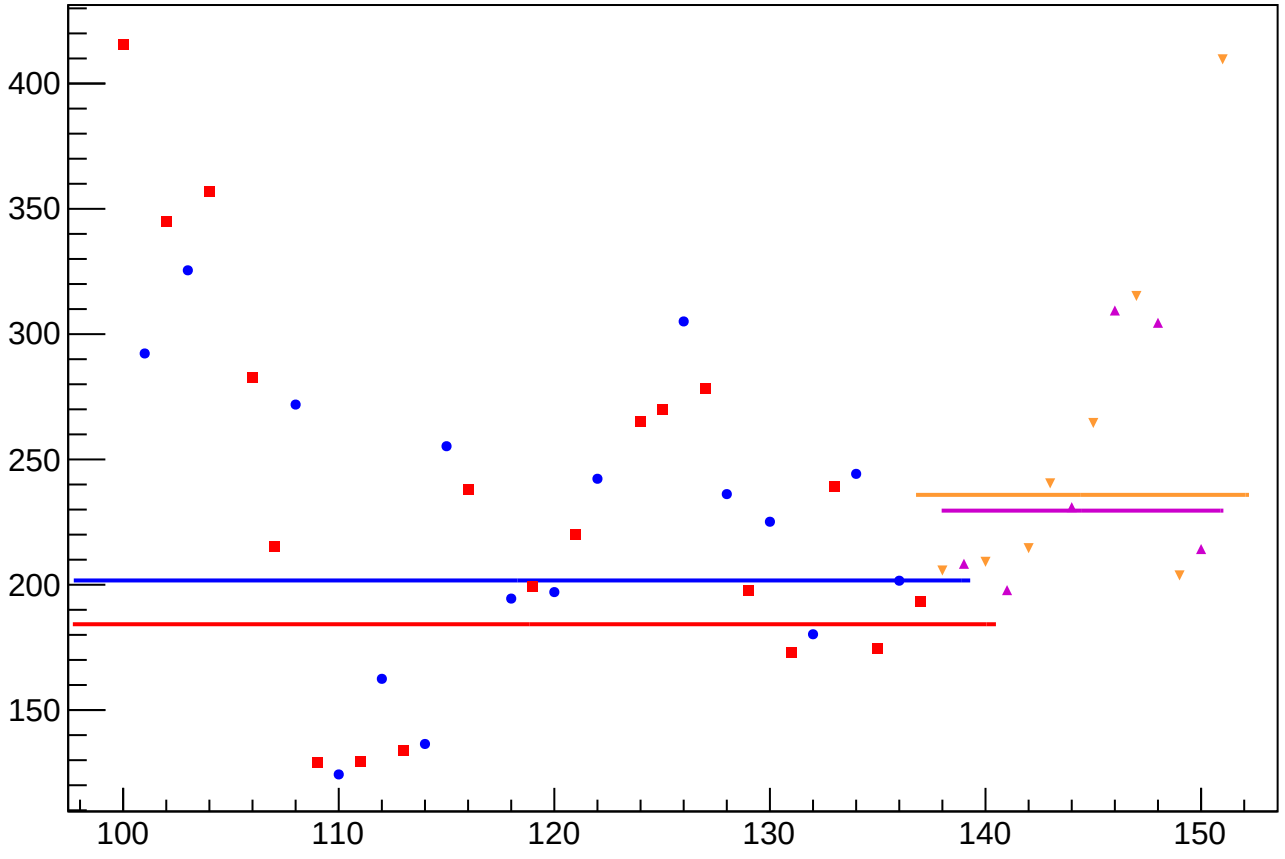
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -618.345+/-62.557 χ^2/NDF:788.2/21

Out: 141.498+/-58.159 χ^2/NDF:1665.0/26

All: -210.777+/-42.595 χ^2/NDF: 2532.3/48

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 235.870+/-0.069 χ^2/NDF:520801.1/7

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 229.577+/-0.072 χ^2/NDF:285530.0/5

Left: 232.859+/-0.050 χ^2/NDF: 810262.8/13

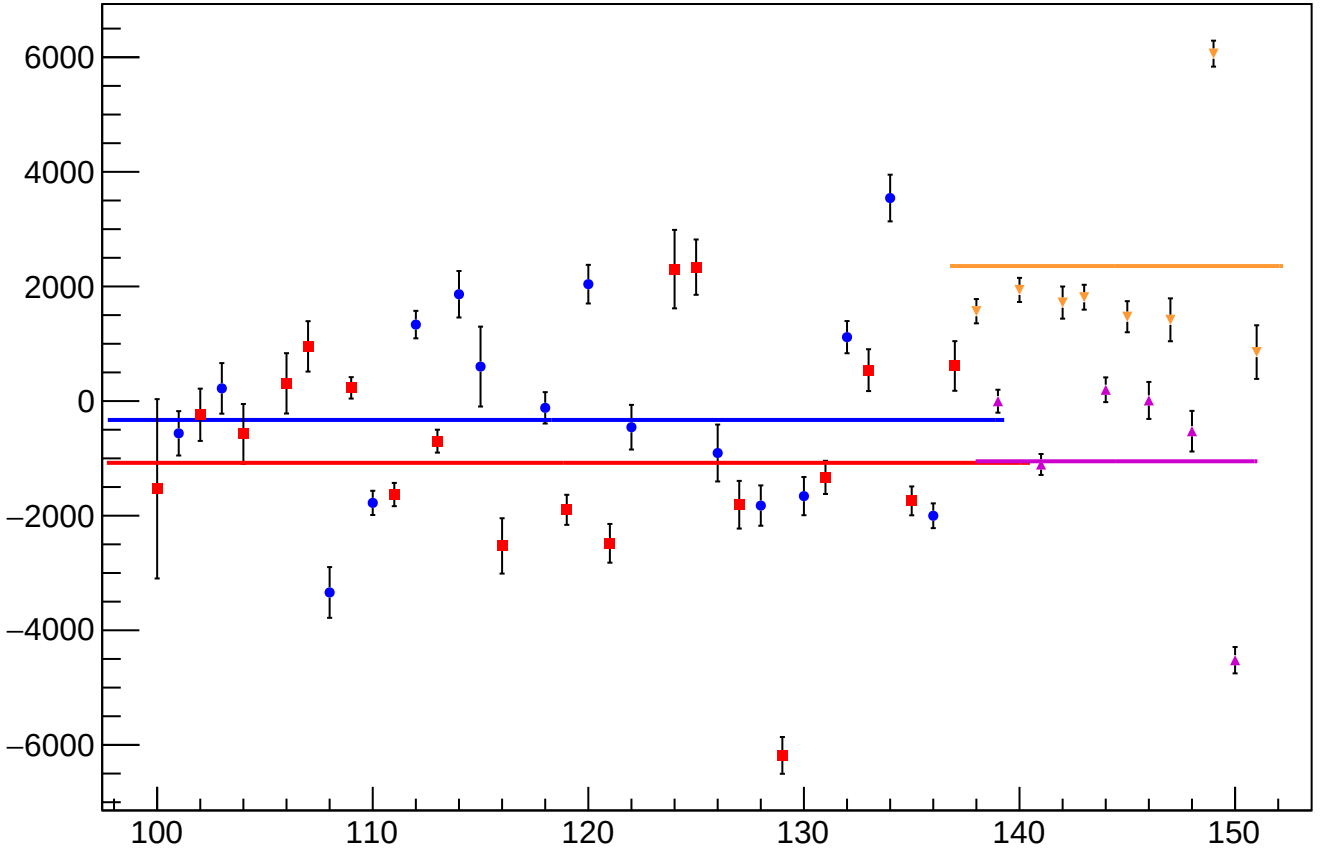
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 212.094+/-0.044 χ^2/NDF:1302489.5/21

Out: 202.362+/-0.041 χ^2/NDF:2283526.7/26

All: 206.874+/-0.030 χ^2/NDF: 3611980.5/48

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 2356.252+/-89.955 χ^2/NDF:323.9/7

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: -1050.687+/-94.176 χ^2/NDF:301.6/5

Left: 730.831+/-65.049 χ^2/NDF: 1309.9/13

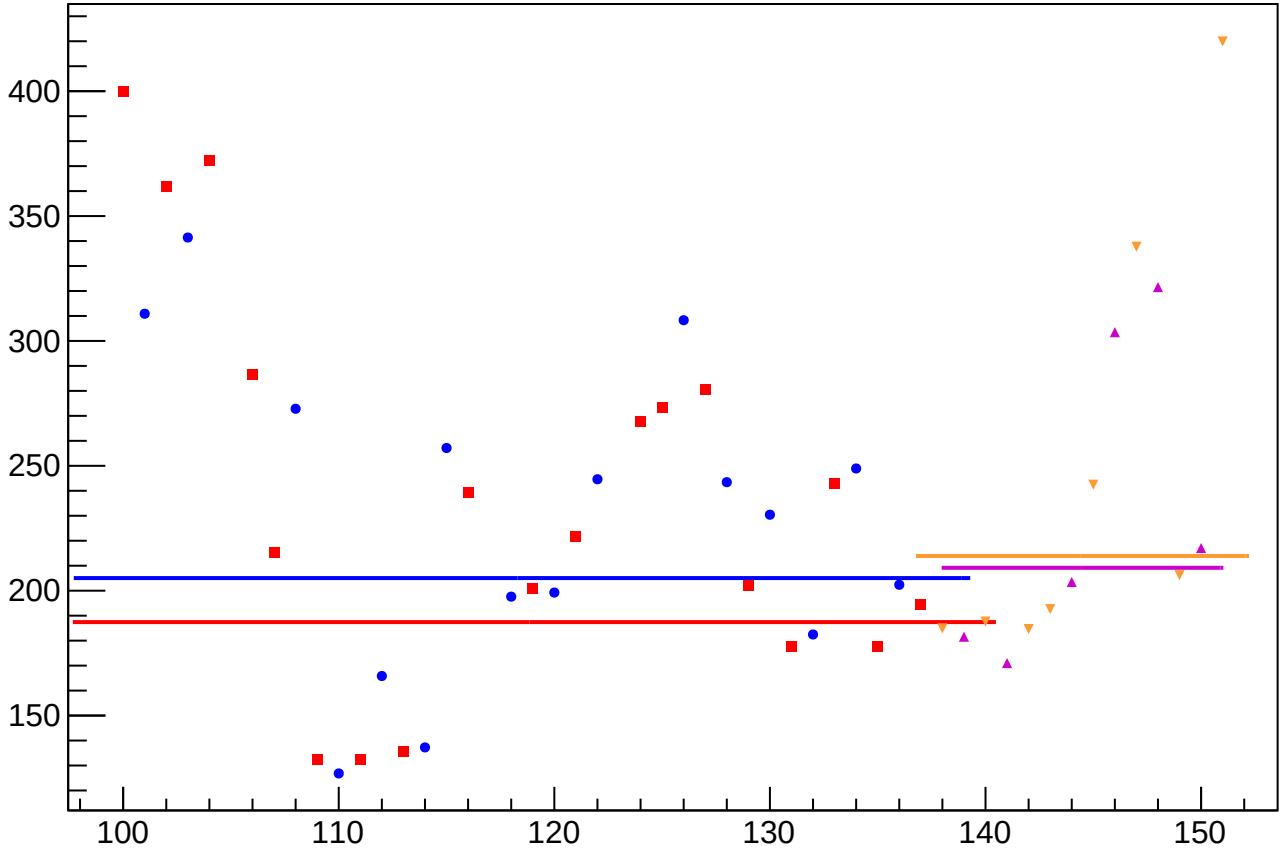
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -633.322+/-61.133 χ^2/NDF:772.0/21

Out: 294.793+/-56.872 χ^2/NDF:1700.7/26

All: -135.798+/-41.640 χ^2/NDF: 2596.3/48

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 213.890+/-0.064 χ^2/NDF:740281.5/7

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 209.170+/-0.067 χ^2/NDF:500815.0/5

Left: 211.638+/-0.046 χ^2/NDF: 1243723.8/13

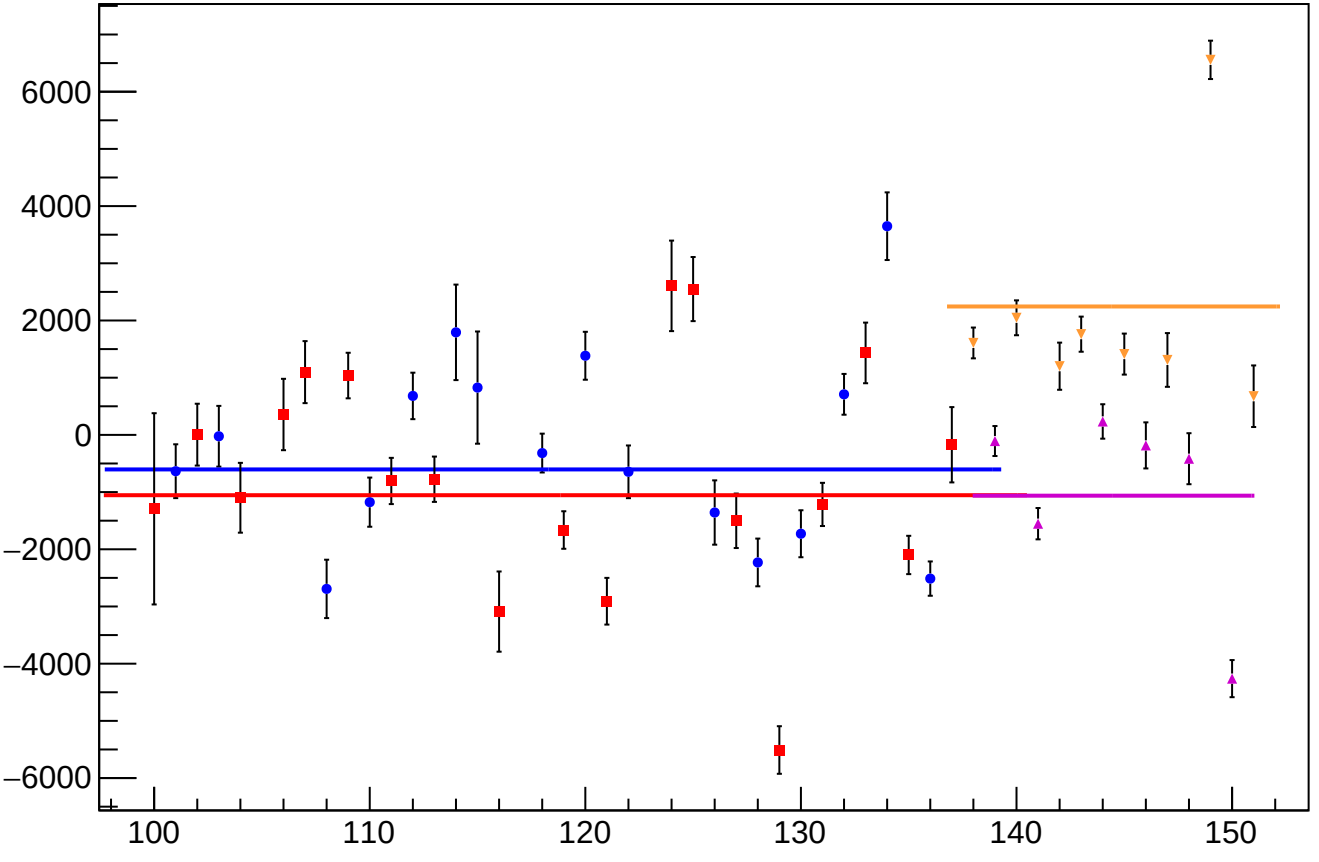
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 206.788+/-0.043 χ^2/NDF:1466078.7/21

Out: 198.007+/-0.040 χ^2/NDF:2254951.6/26

All: 202.081+/-0.029 χ^2/NDF: 3743147.3/48

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 2244.987+/-123.385 χ^2/NDF:198.0/7

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -1062.826+/-129.530 χ^2/NDF:139.1/5

Left: 671.396+/-89.340 χ^2/NDF: 679.0/13

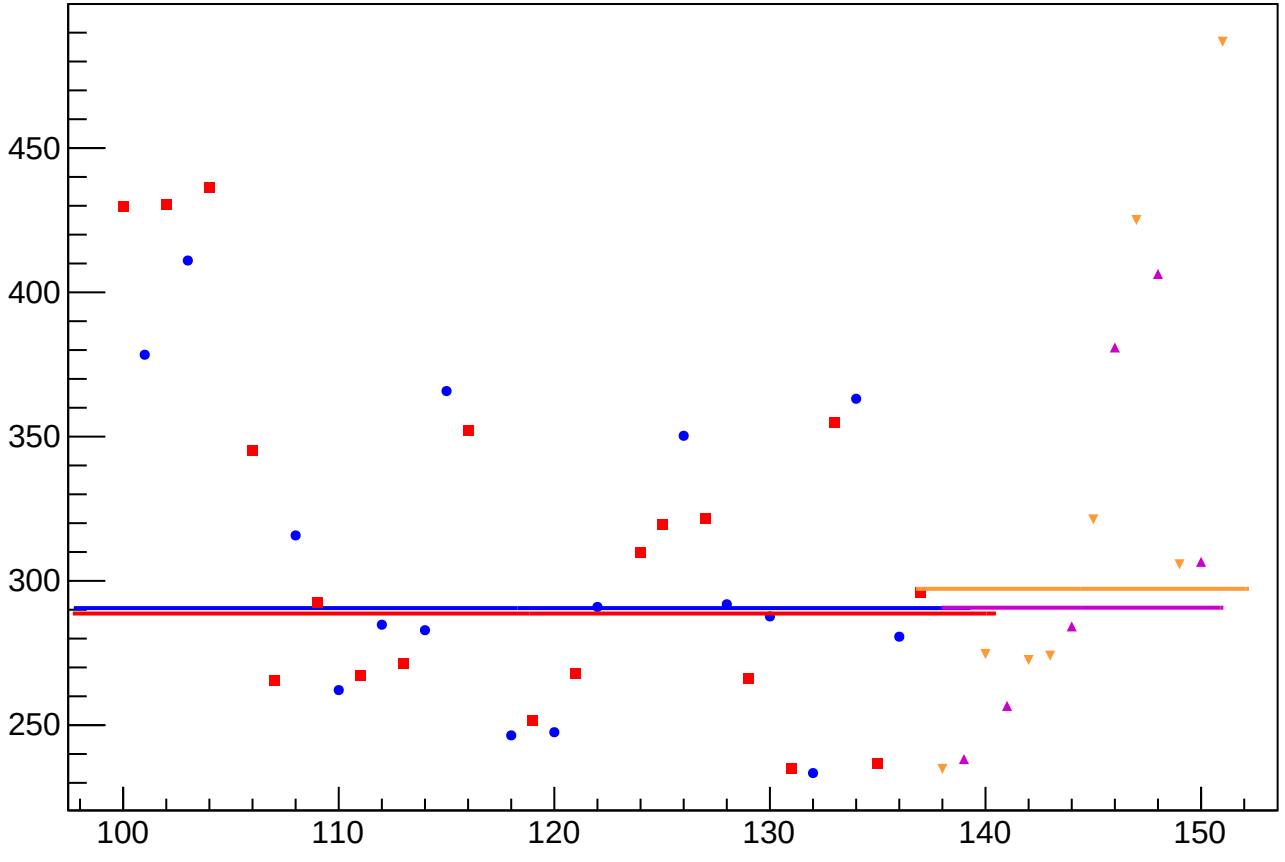
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -797.570+/-84.151 χ^2/NDF:339.9/21

Out: 380.744+/-81.378 χ^2/NDF:899.7/26

All: -188.680+/-58.499 χ^2/NDF: 1340.9/48

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 297.251+/-0.087 χ^2/NDF:543389.3/7

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 290.707+/-0.092 χ^2/NDF:351548.0/5

Left: 294.137+/-0.063 χ^2/NDF: 897613.5/13

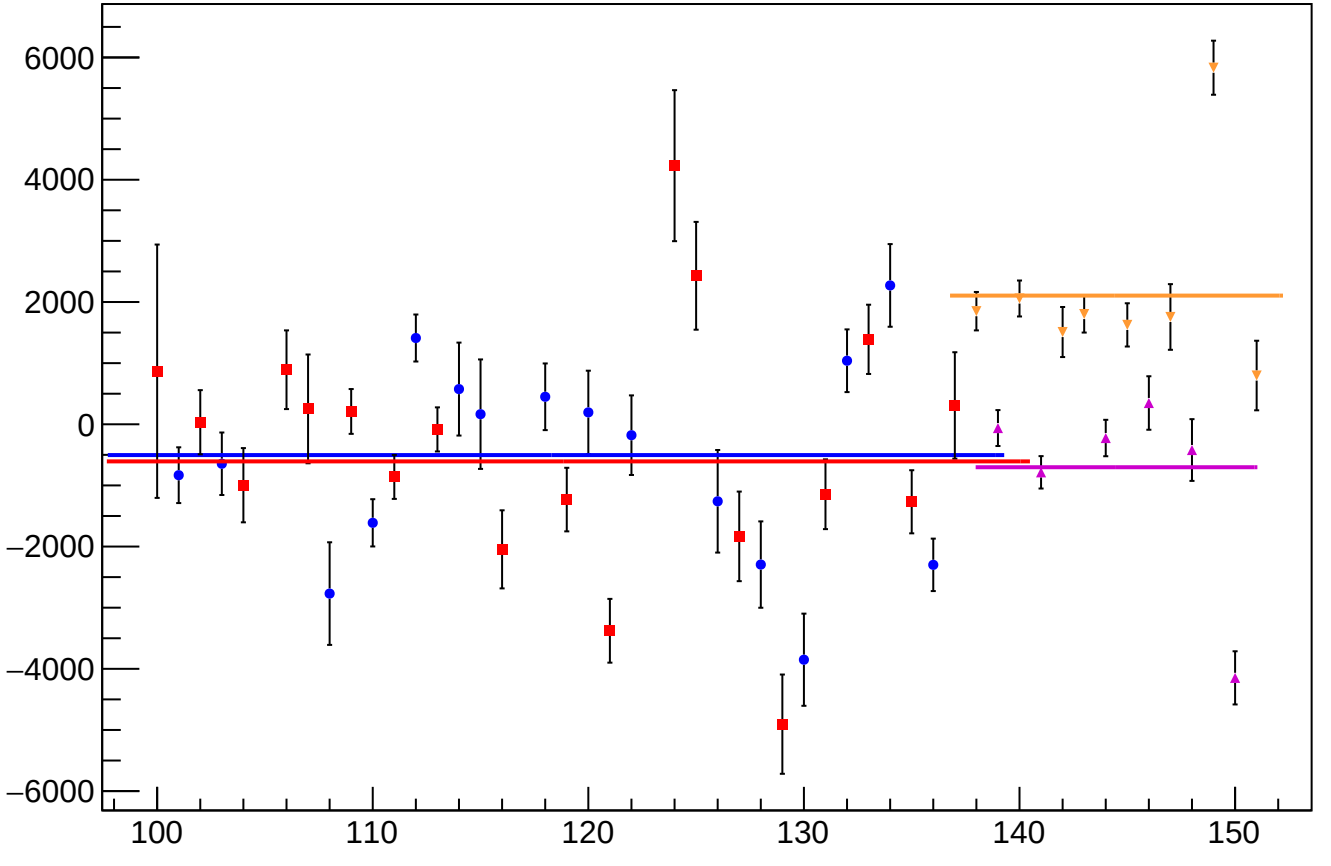
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 290.625+/-0.060 χ^2/NDF:711356.4/21

Out: 292.412+/-0.058 χ^2/NDF:1037928.7/26

All: 291.548+/-0.041 χ^2/NDF: 1749750.7/48

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 2104.974+/-131.067 χ^2/NDF:82.4/7

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -702.449+/-139.311 χ^2/NDF:76.2/5

Left: 786.780+/-95.460 χ^2/NDF: 374.0/13

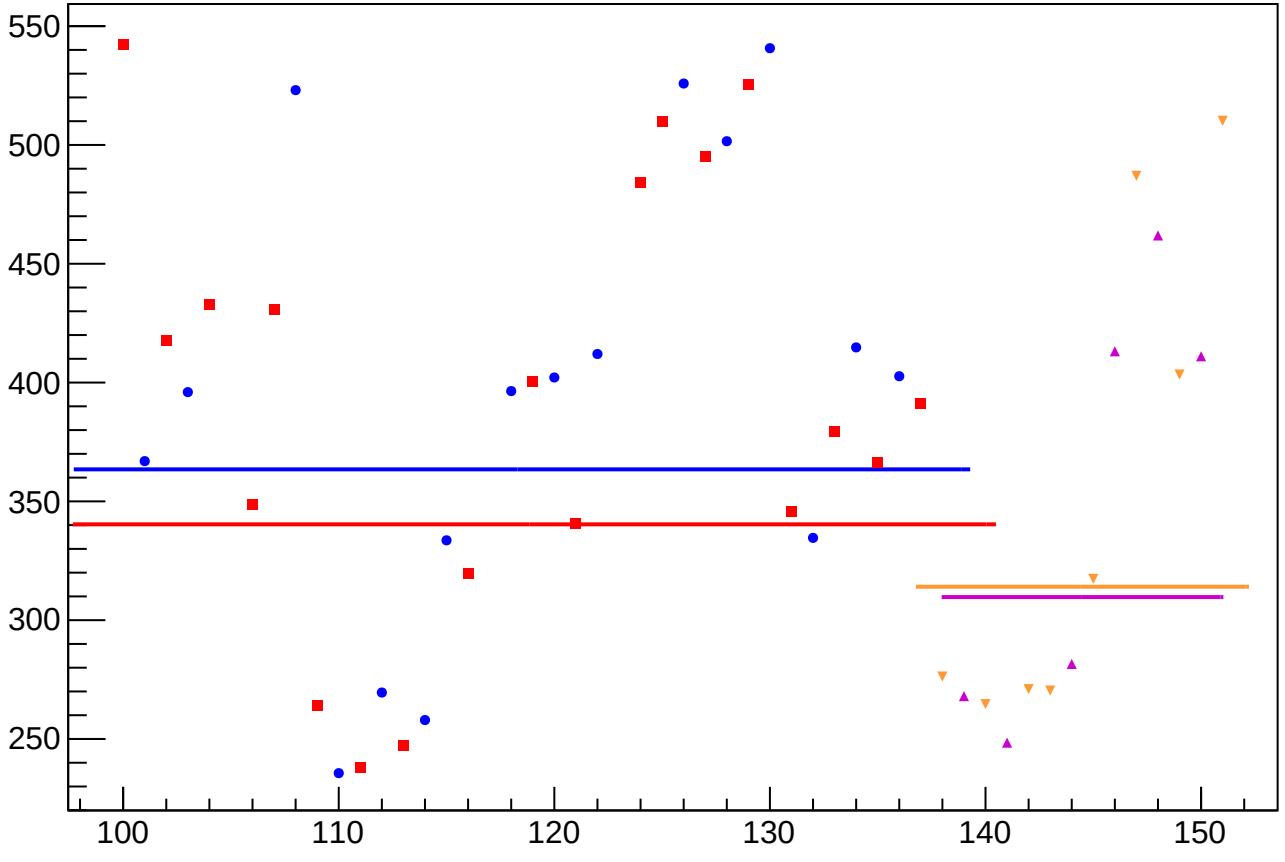
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -603.594+/-98.771 χ^2/NDF:195.5/21

Out: 733.877+/-92.158 χ^2/NDF:423.9/26

All: 111.405+/-67.382 χ^2/NDF: 717.5/48

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 314.075+/-0.093 χ^2/NDF:675646.0/7

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 309.724+/-0.099 χ^2/NDF:567019.0/5

Left: 312.032+/-0.068 χ^2/NDF: 1243700.1/13

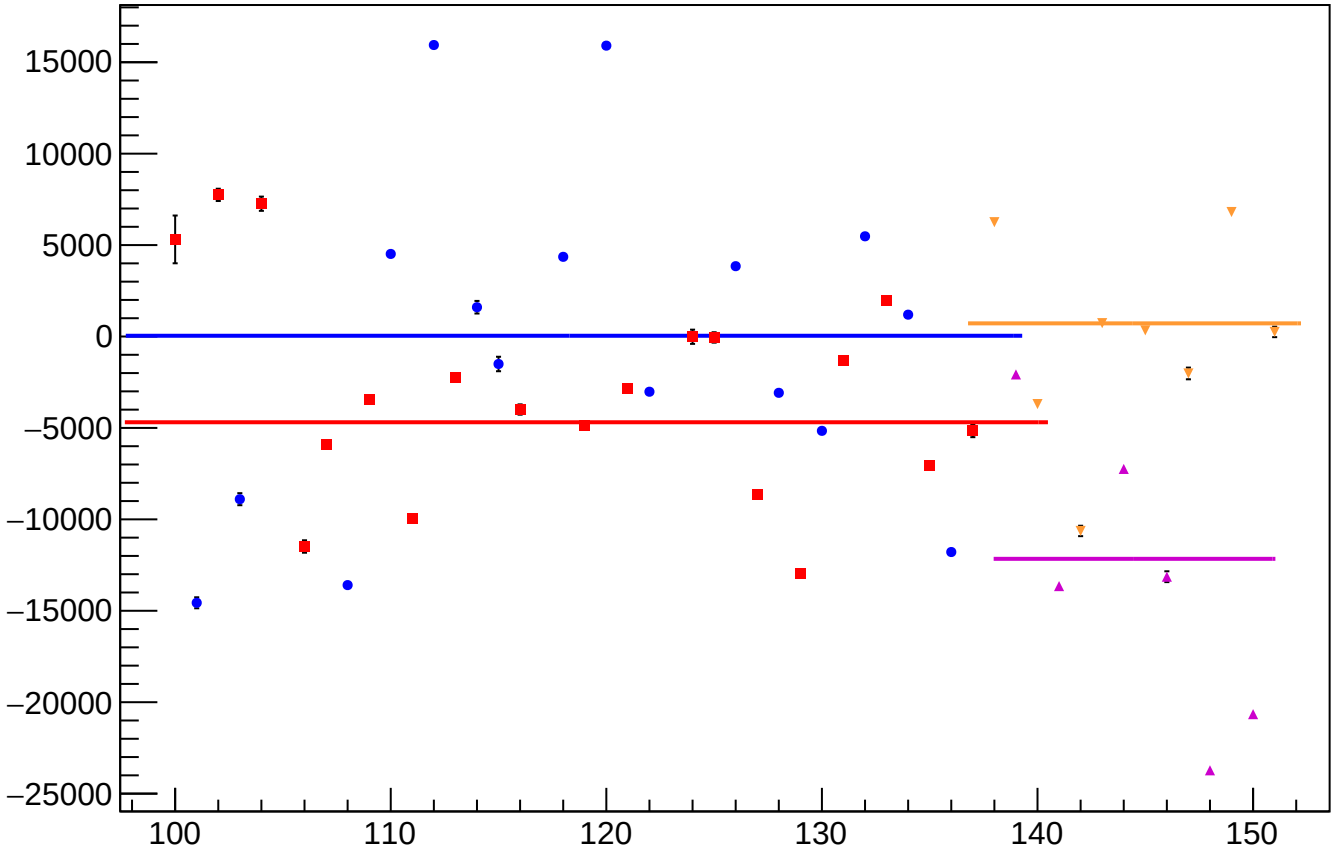
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 336.454+/-0.070 χ^2/NDF:1495965.8/21

Out: 327.350+/-0.065 χ^2/NDF:1572458.8/26

All: 331.587+/-0.048 χ^2/NDF: 3077506.3/48

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: 718.868+/-85.754 χ^2/NDF:3648.3/7

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -12158.886+/-91.352 χ^2/NDF:6847.6/5

Left: -5313.357+/-62.522 χ^2/NDF: 21059.4/13

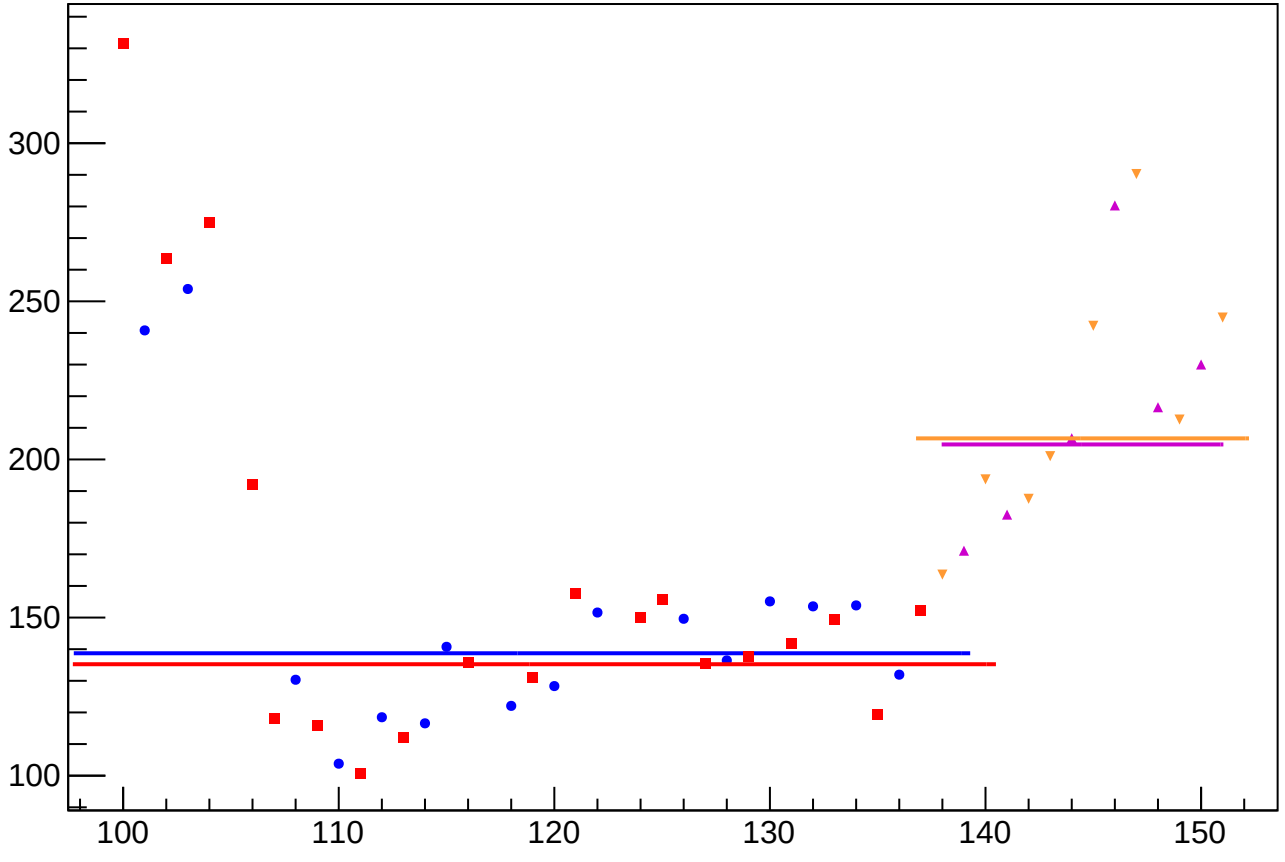
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -3135.369+/-46.612 χ^2/NDF:50825.4/21

Out: -3231.730+/-44.523 χ^2/NDF:14349.6/26

All: -3185.757+/-32.196 χ^2/NDF: 65177.2/48

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 206.661+/-0.061 χ^2/NDF:331759.4/7

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 204.744+/-0.065 χ^2/NDF:245499.5/5

Left: 205.763+/-0.044 χ^2/NDF: 577727.2/13

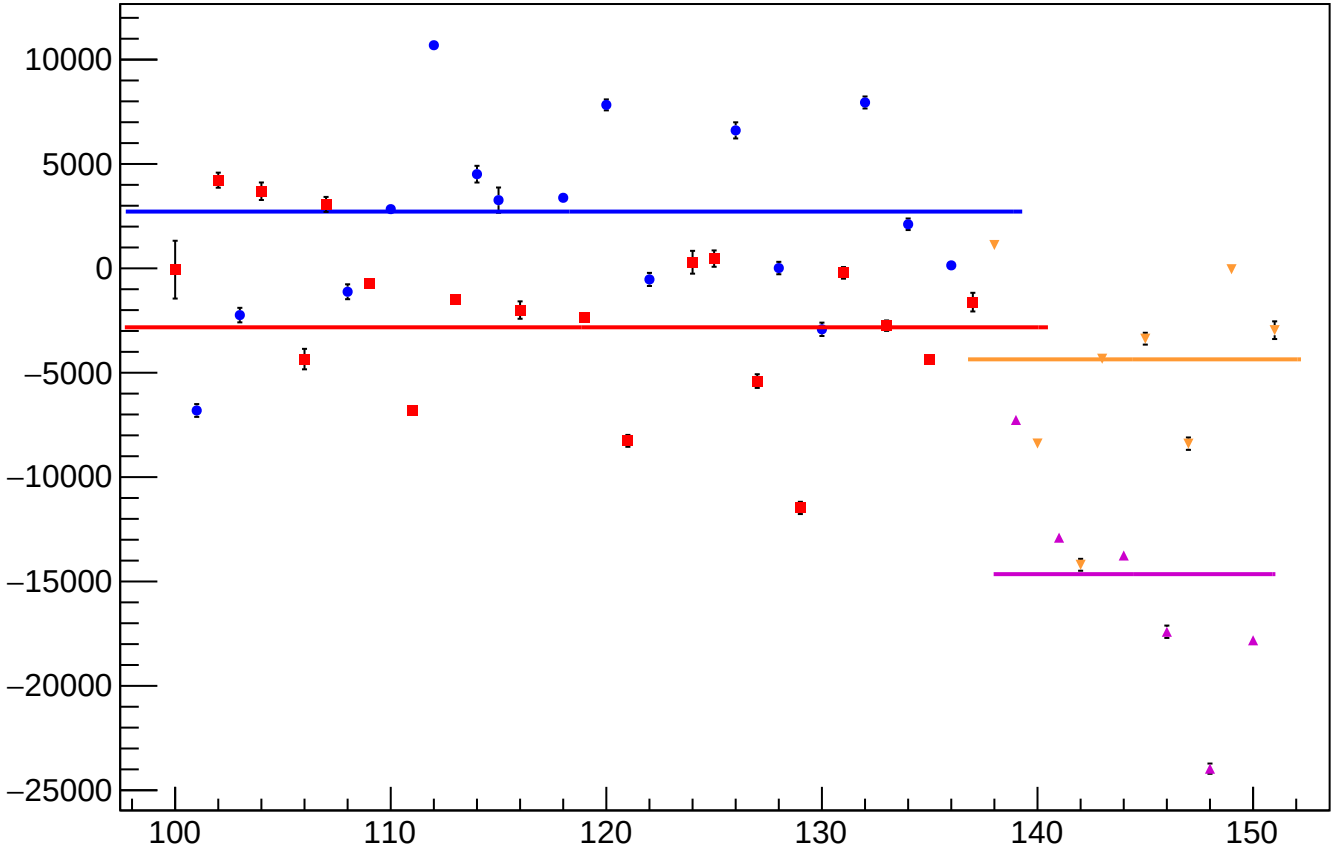
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.904+/-0.033 χ^2/NDF:1676199.4/21

Out: 154.497+/-0.031 χ^2/NDF:2234992.0/26

All: 155.168+/-0.023 χ^2/NDF: 3912144.5/48

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -4358.980+/-88.078 χ^2/NDF:2879.0/7

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -14648.323+/-90.769 χ^2/NDF:3209.9/5

Left: -9348.851+/-63.210 χ^2/NDF: 12707.2/13

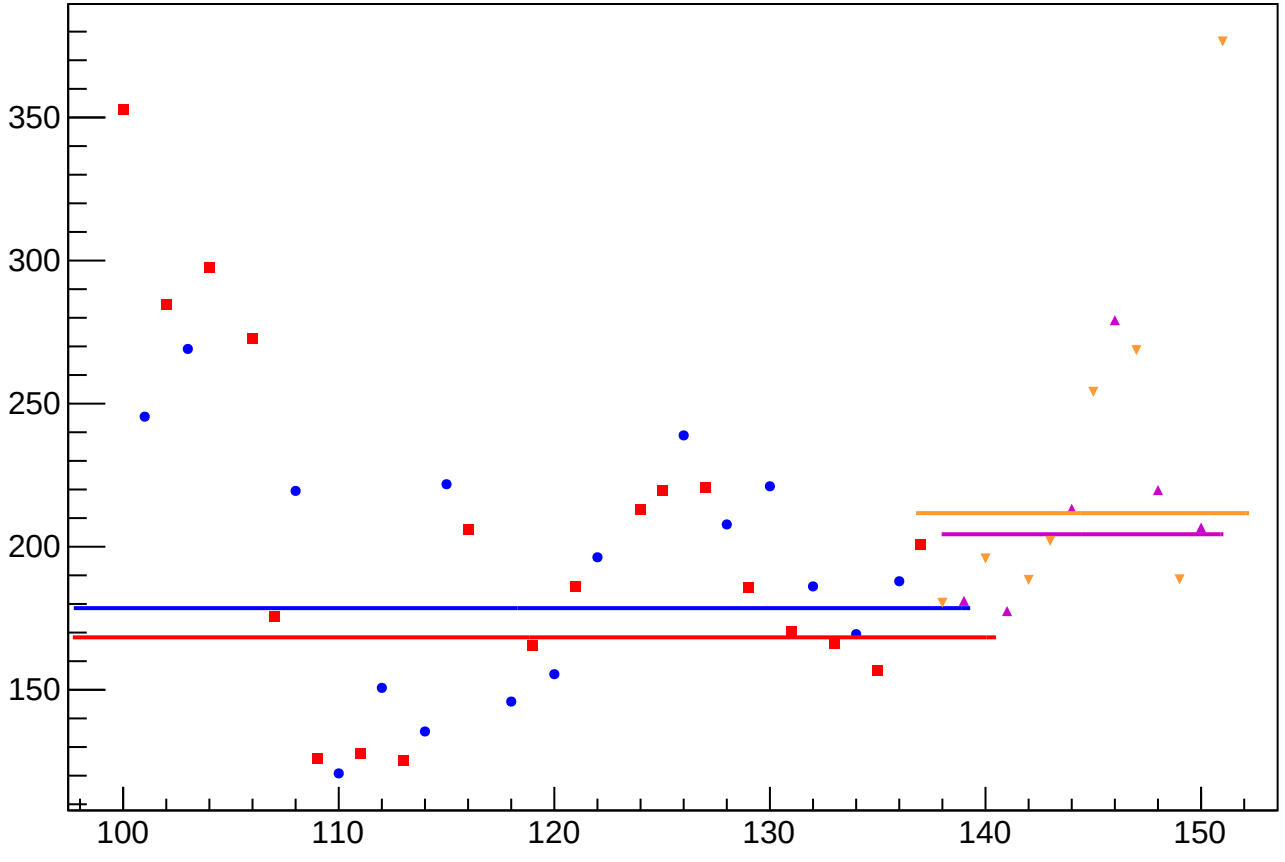
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -3669.695+/-55.055 χ^2/NDF:30482.6/21

Out: -3363.397+/-52.222 χ^2/NDF:6138.8/26

All: -3508.462+/-37.888 χ^2/NDF: 36637.7/48

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 211.743+/-0.062 χ^2/NDF:519493.7/7

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 204.357+/-0.064 χ^2/NDF:206056.2/5

Left: 208.162+/-0.045 χ^2/NDF: 732370.4/13

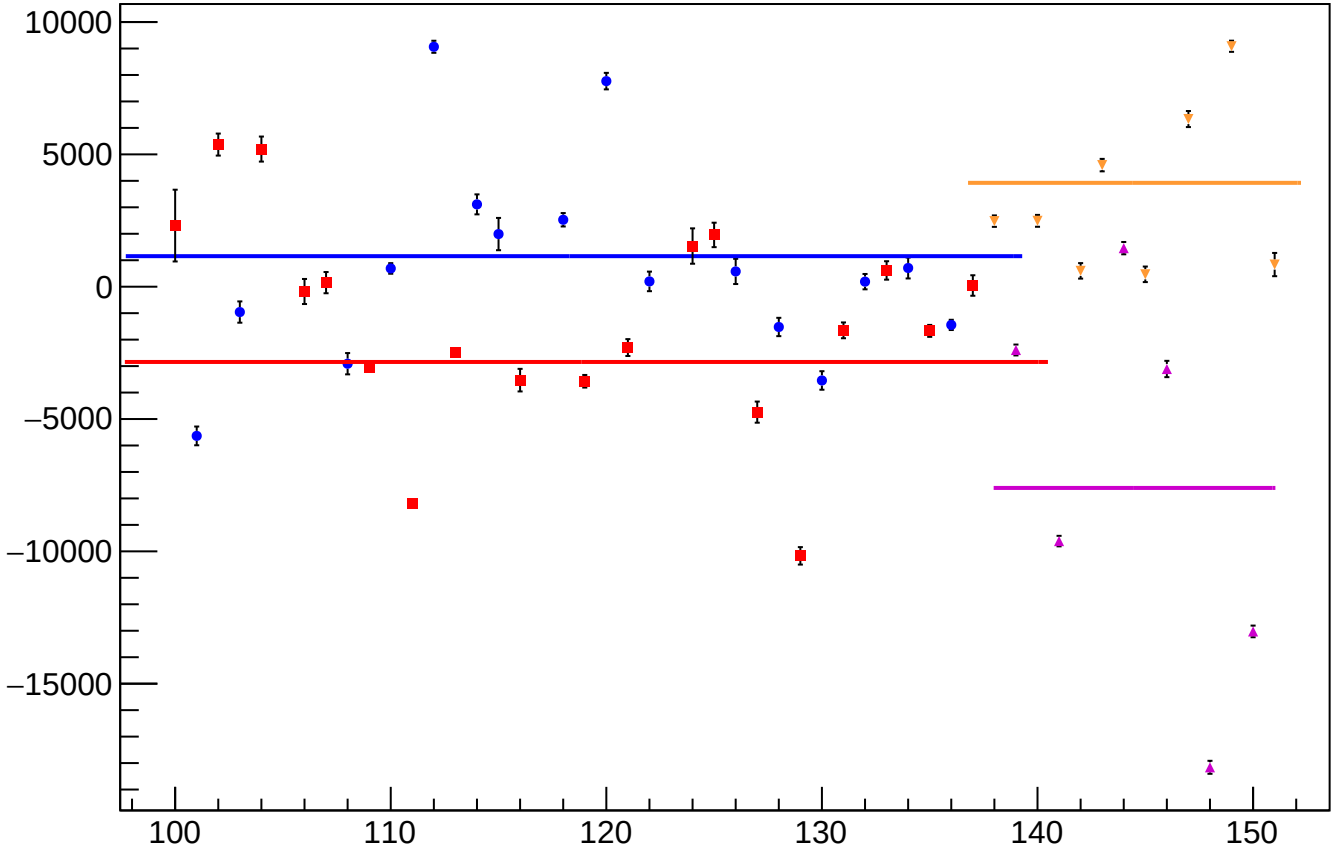
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 188.039+/-0.039 χ^2/NDF:982890.6/21

Out: 183.595+/-0.037 χ^2/NDF:1813999.5/26

All: 185.699+/-0.027 χ^2/NDF: 2803749.9/48

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 3924.430+/-90.916 χ^2/NDF:1071.7/7

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -7603.653+/-93.178 χ^2/NDF:4927.1/5

Left: -1697.978+/-65.073 χ^2/NDF: 13840.3/13

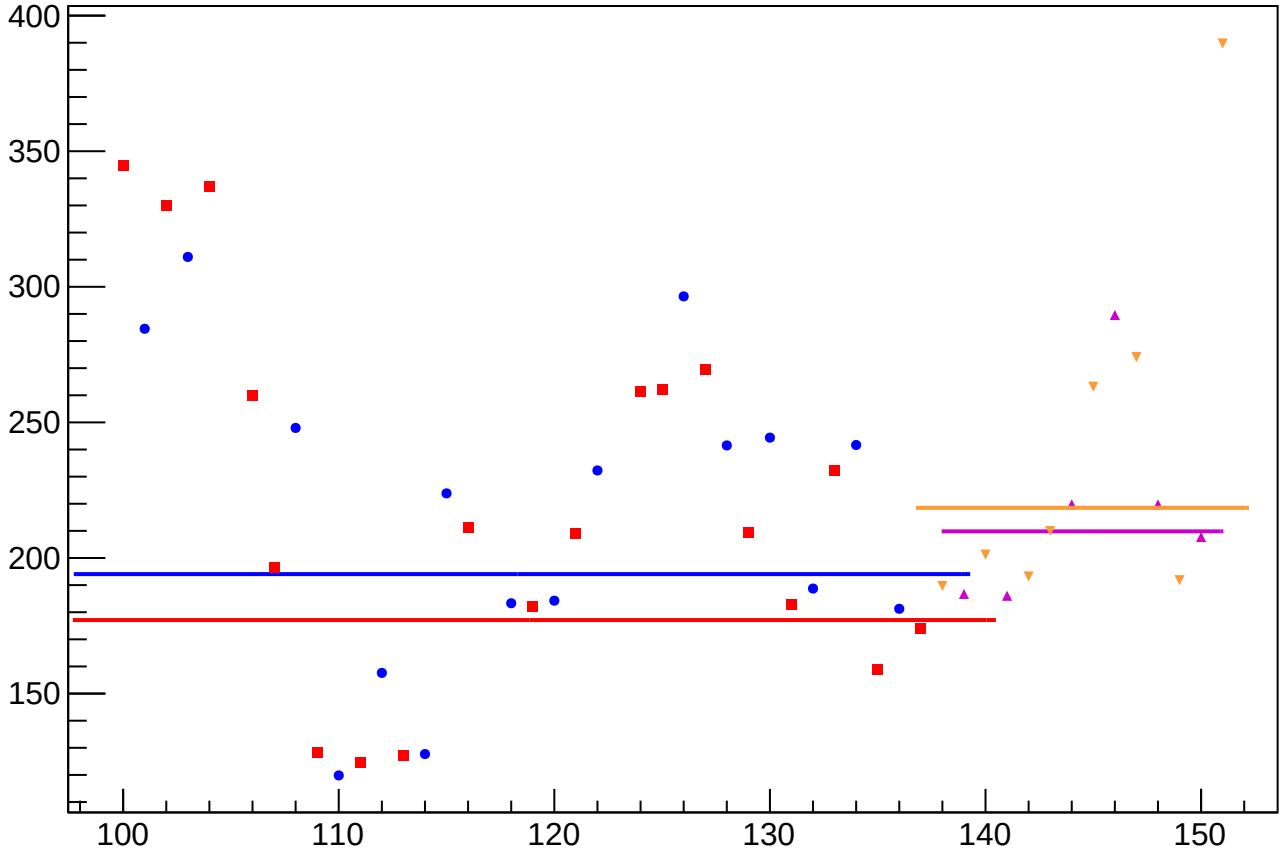
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -2342.367+/-58.874 χ^2/NDF:12889.3/21

Out: -363.897+/-55.033 χ^2/NDF:7036.3/26

All: -1286.502+/-40.204 χ^2/NDF: 20528.3/48

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 218.502+/-0.064 χ^2/NDF:513736.4/7

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 209.821+/-0.066 χ^2/NDF:195042.9/5

Left: 214.268+/-0.046 χ^2/NDF: 717672.2/13

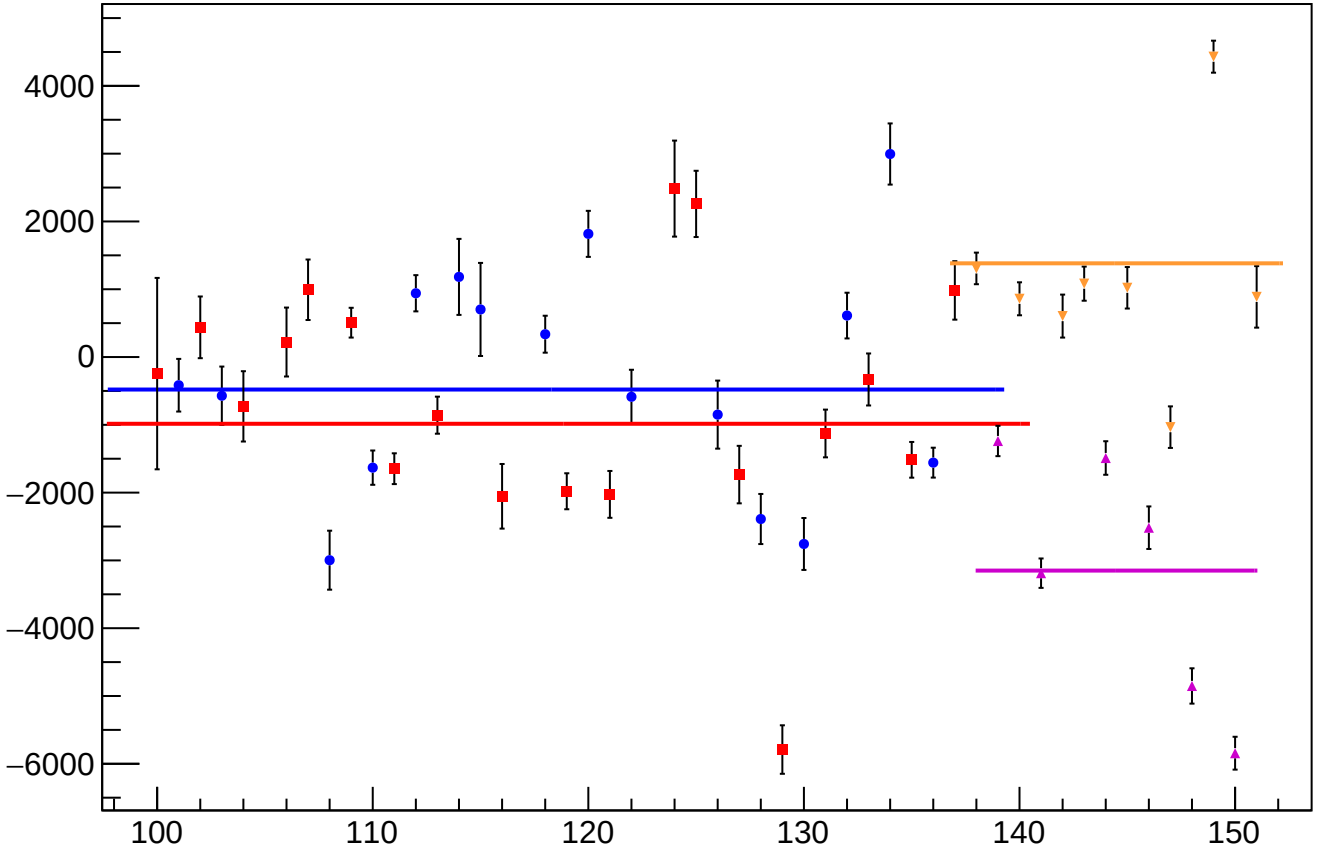
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 200.348+/-0.042 χ^2/NDF:1195236.8/21

Out: 192.280+/-0.039 χ^2/NDF:2135670.2/26

All: 196.042+/-0.028 χ^2/NDF: 3350952.3/48

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 1382.392+/-97.528 χ^2/NDF:243.6/7

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -3150.050+/-100.247 χ^2/NDF:288.5/5

Left: -821.526+/-69.904 χ^2/NDF: 1582.2/13

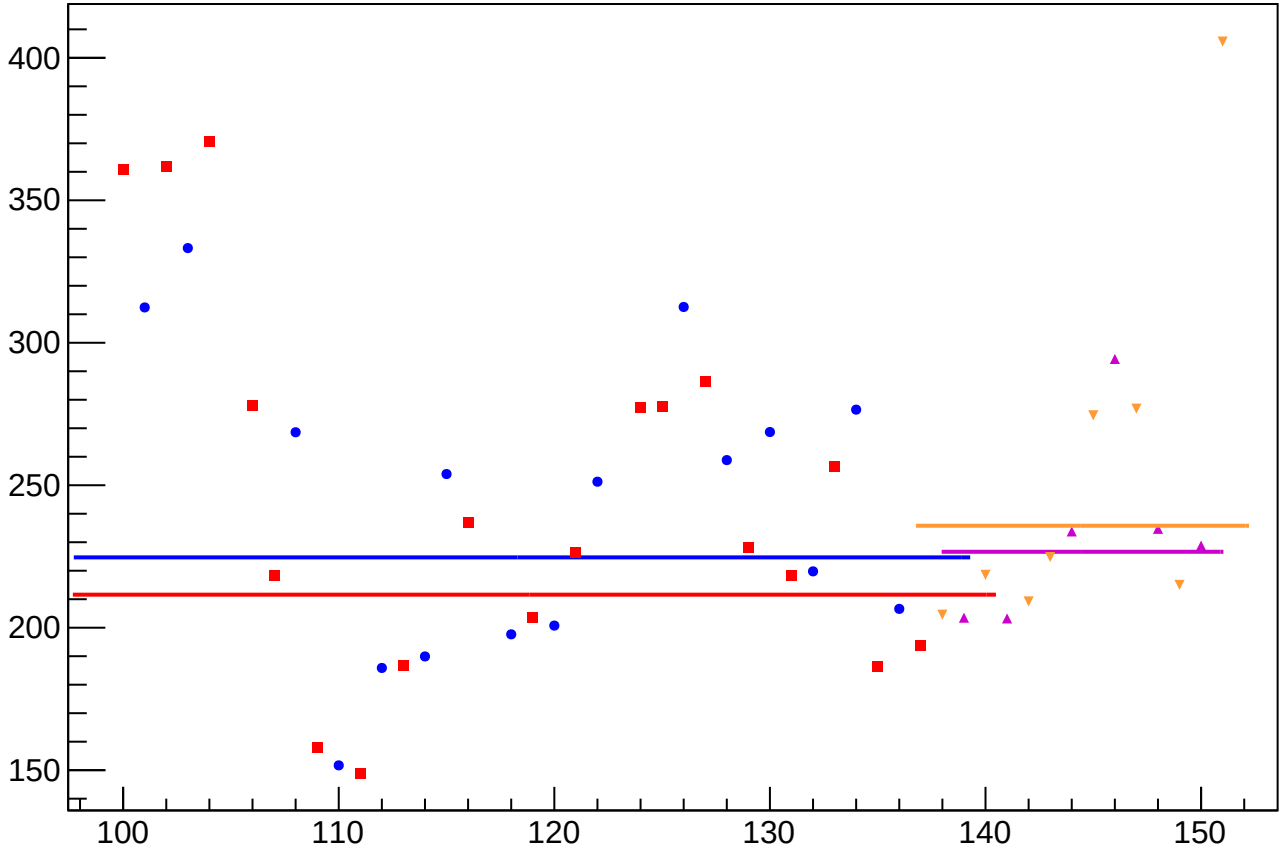
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1621.923+/-65.570 χ^2/NDF:1000.0/21

Out: -19.088+/-62.287 χ^2/NDF:990.4/26

All: -779.372+/-45.160 χ^2/NDF: 2304.6/48

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.789+/-0.069 χ^2/NDF:427627.2/7

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 226.647+/-0.071 χ^2/NDF:141440.4/5

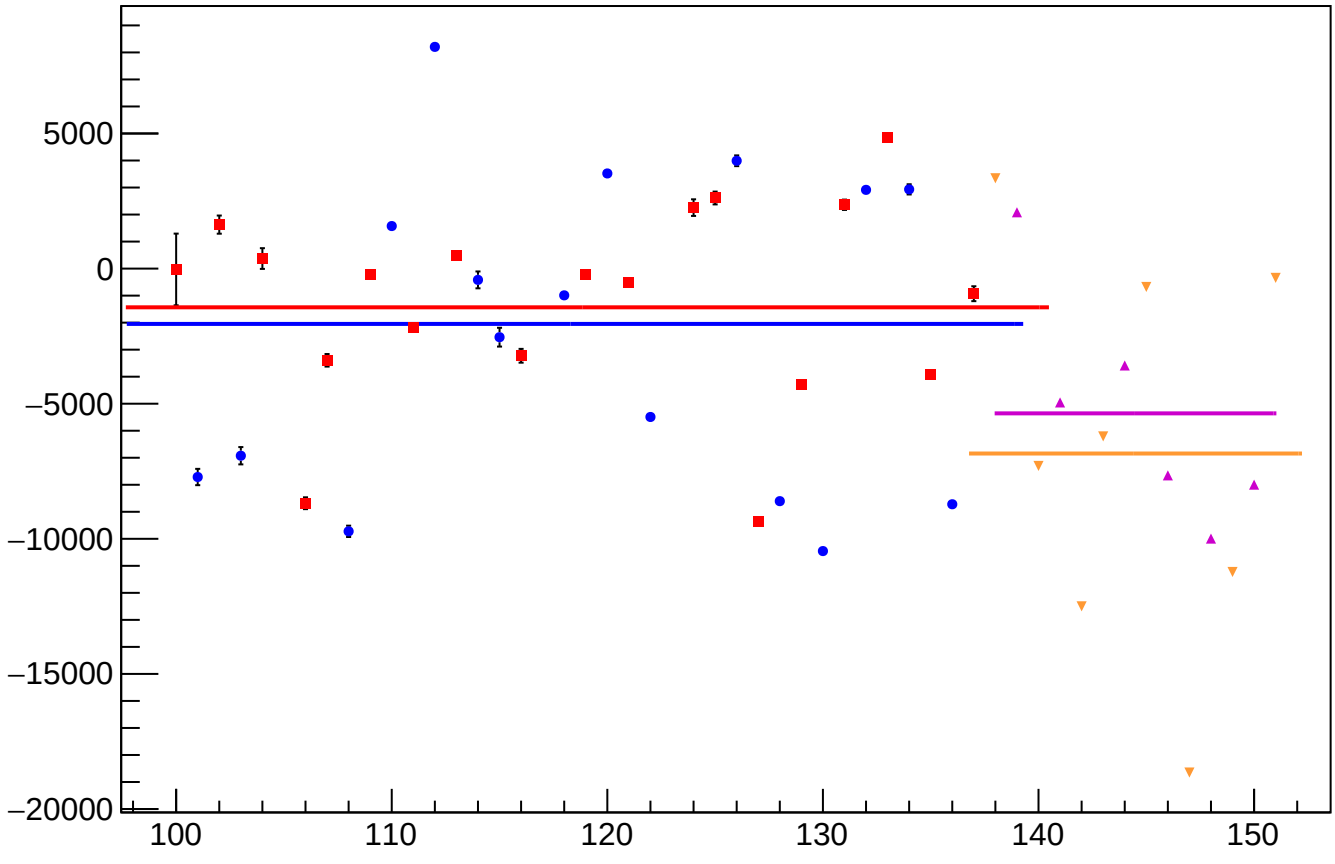
Left: 231.344+/-0.049 χ^2/NDF: 577612.0/13

Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.523+/-0.046 χ^2/NDF:795073.2/21

Out: 221.463+/-0.044 χ^2/NDF:1433406.5/26

All: 223.389+/-0.032 χ^2/NDF: 2232510.3/48



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6843.445+/-45.713 χ^2/NDF:22907.2/7

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5357.407+/-49.971 χ^2/NDF:5925.2/5

Left: -6166.423+/-33.729 χ^2/NDF: 29313.9/13

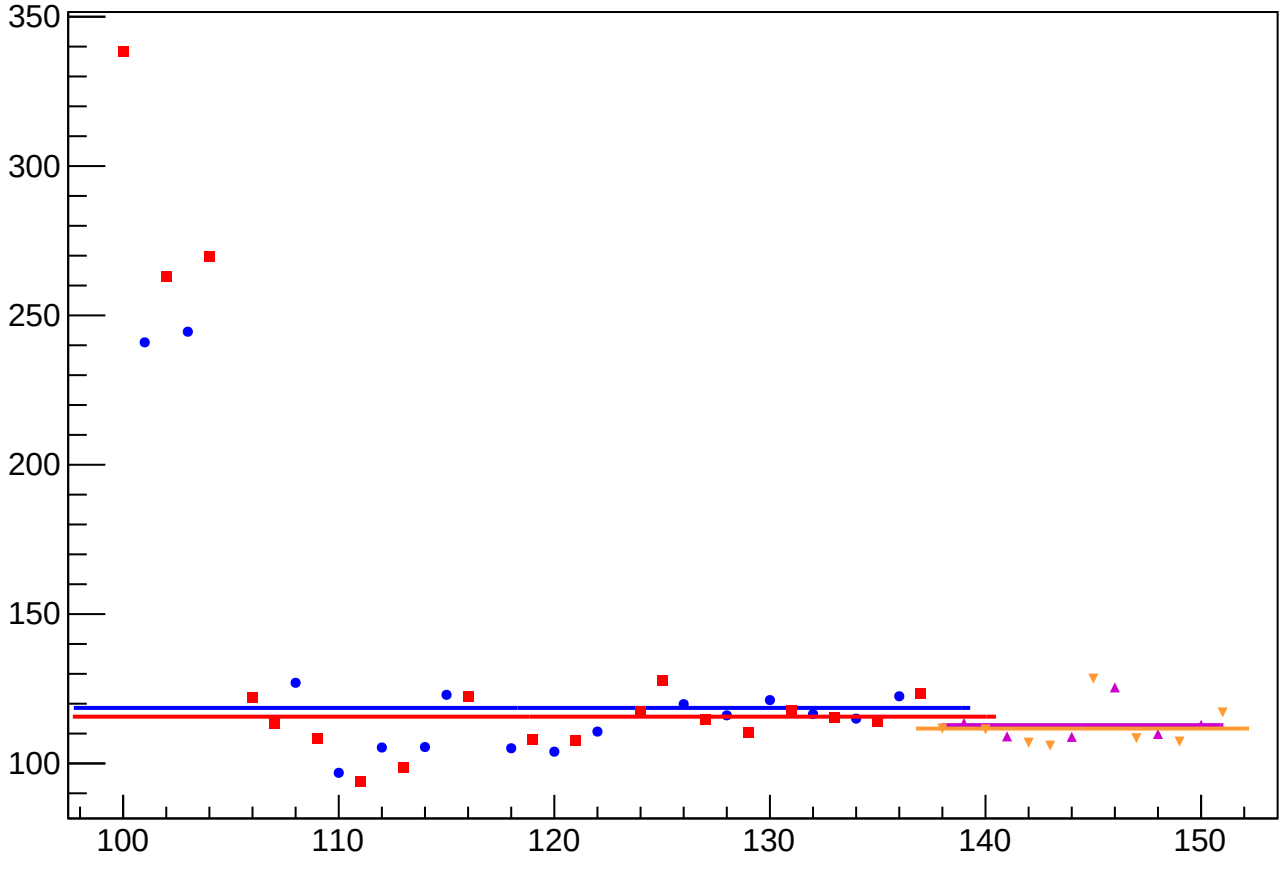
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3591.220+/-34.128 χ^2/NDF:24975.6/21

Out: -4079.291+/-31.971 χ^2/NDF:36451.7/26

All: -3851.171+/-23.332 χ^2/NDF: 61536.2/48

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 111.677+/-0.032 χ^2/NDF:40557.6/7

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 112.822+/-0.035 χ^2/NDF:23349.4/5

Left: 112.198+/-0.024 χ^2/NDF: 64478.7/13

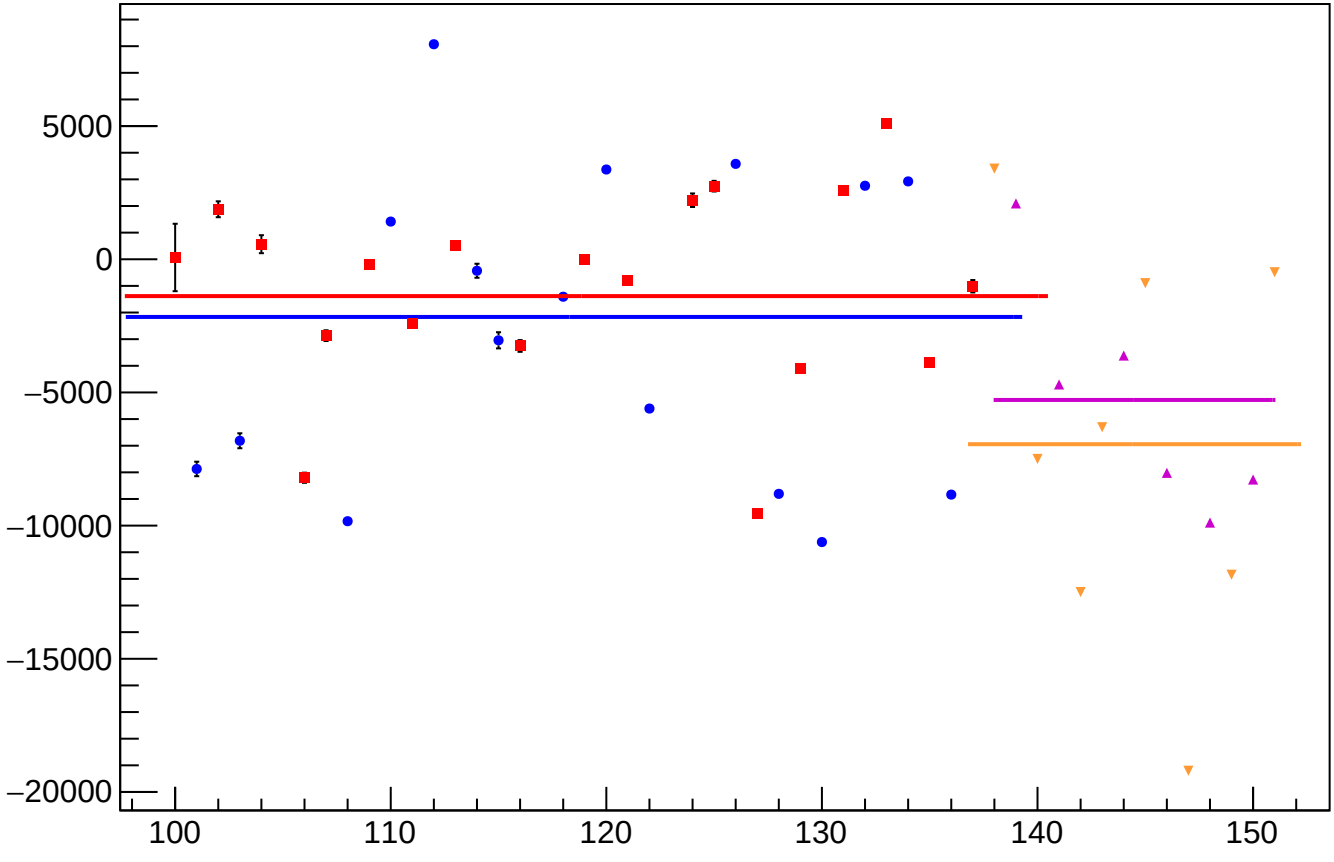
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 115.903+/-0.024 χ^2/NDF:771755.6/21

Out: 113.712+/-0.023 χ^2/NDF:912520.3/26

All: 114.736+/-0.016 χ^2/NDF: 1688666.7/48

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -6943.214+/-42.059 χ^2/NDF:27746.0/7

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5281.825+/-47.055 χ^2/NDF:6975.7/5

Left: -6205.375+/-31.358 χ^2/NDF: 35414.6/13

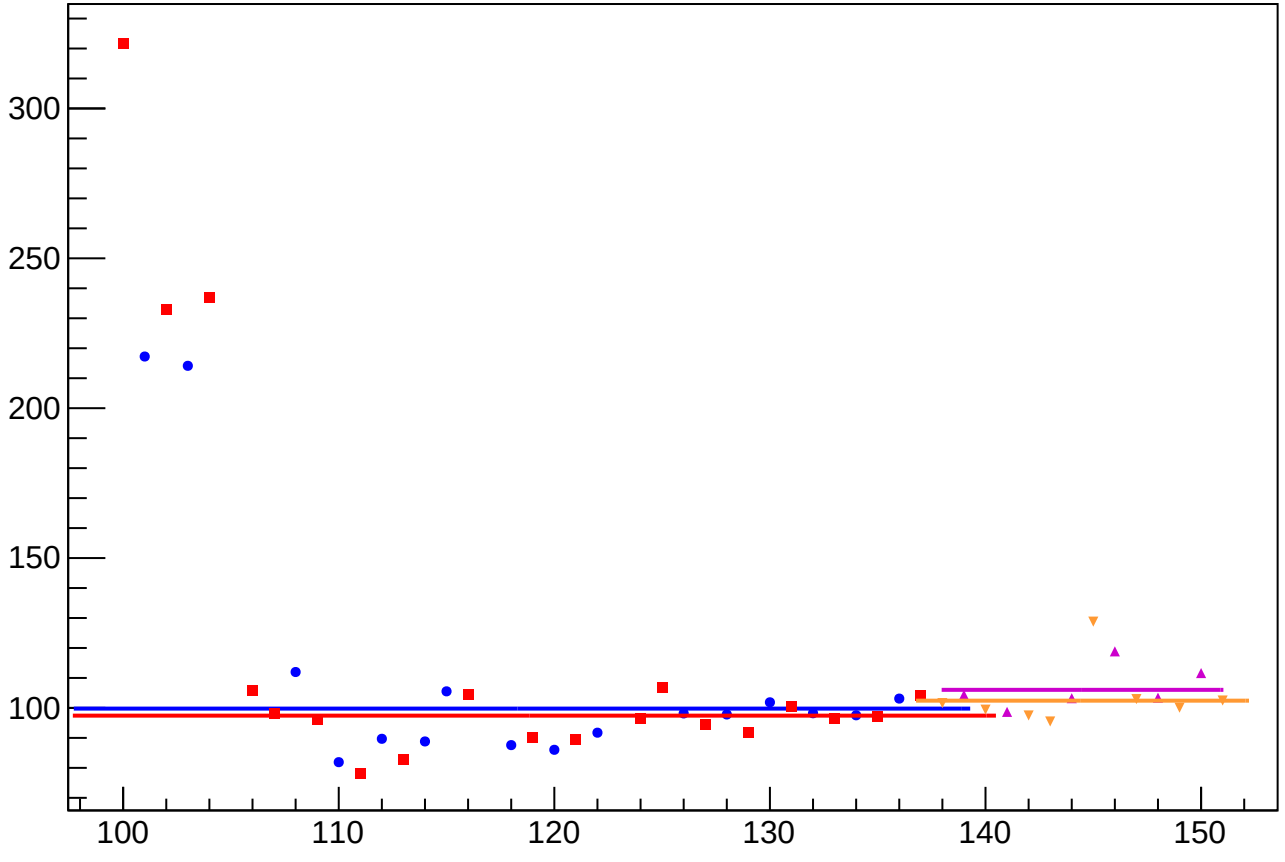
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3458.961+/-30.313 χ^2/NDF:32415.7/21

Out: -3880.224+/-28.186 χ^2/NDF:46522.0/26

All: -3684.886+/-20.642 χ^2/NDF: 79041.3/48

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.423+/-0.030 χ^2/NDF:78670.5/7

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 106.032+/-0.033 χ^2/NDF:37173.7/5

Left: 104.026+/-0.022 χ^2/NDF: 122384.1/13

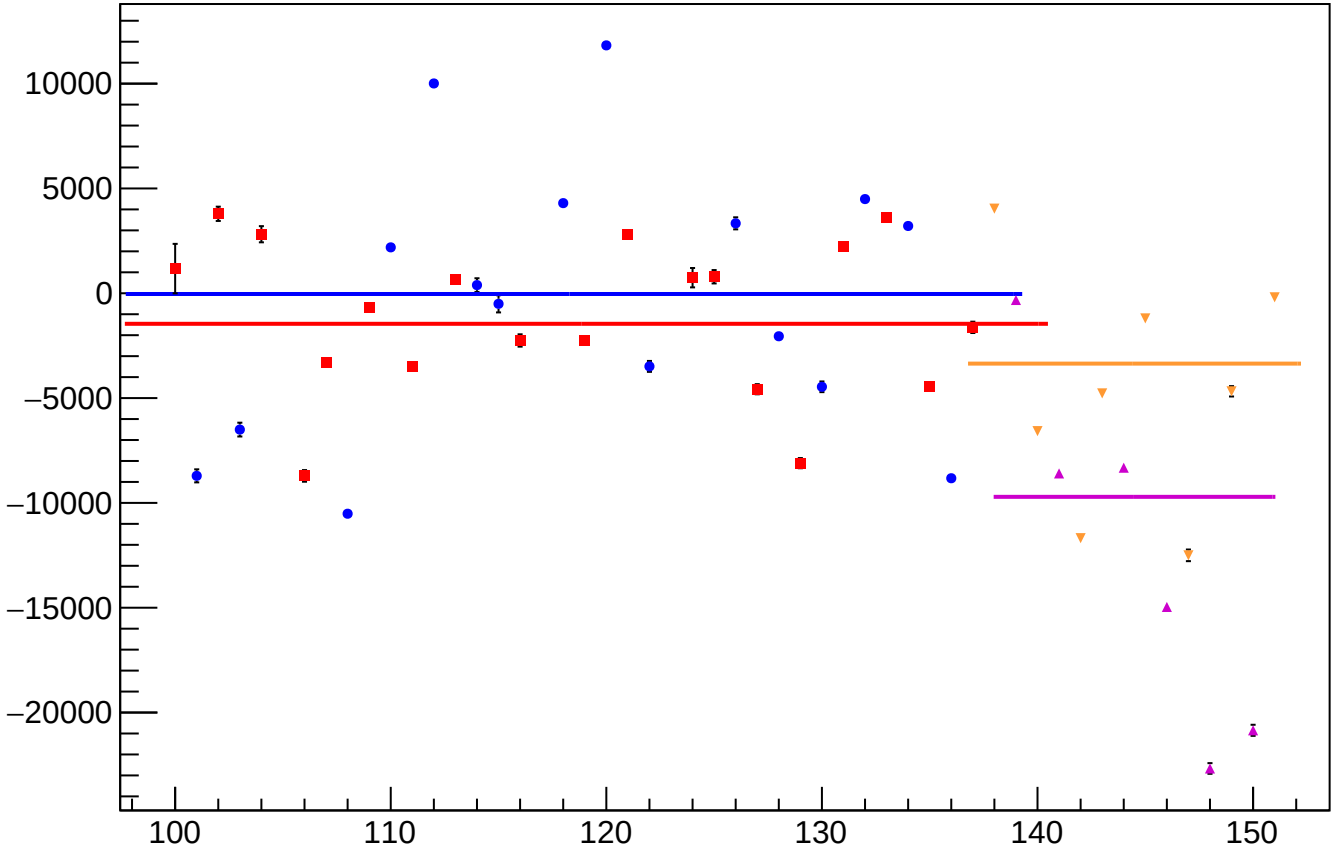
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 102.371+/-0.021 χ^2/NDF:867019.6/21

Out: 99.671+/-0.020 χ^2/NDF:1020263.5/26

All: 100.923+/-0.015 χ^2/NDF: 1895794.4/48

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3355.467+/-68.927 χ^2/NDF:5485.4/7

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -9710.825+/-79.222 χ^2/NDF:8491.5/5

Left: -6093.640+/-52.000 χ^2/NDF: 17639.8/13

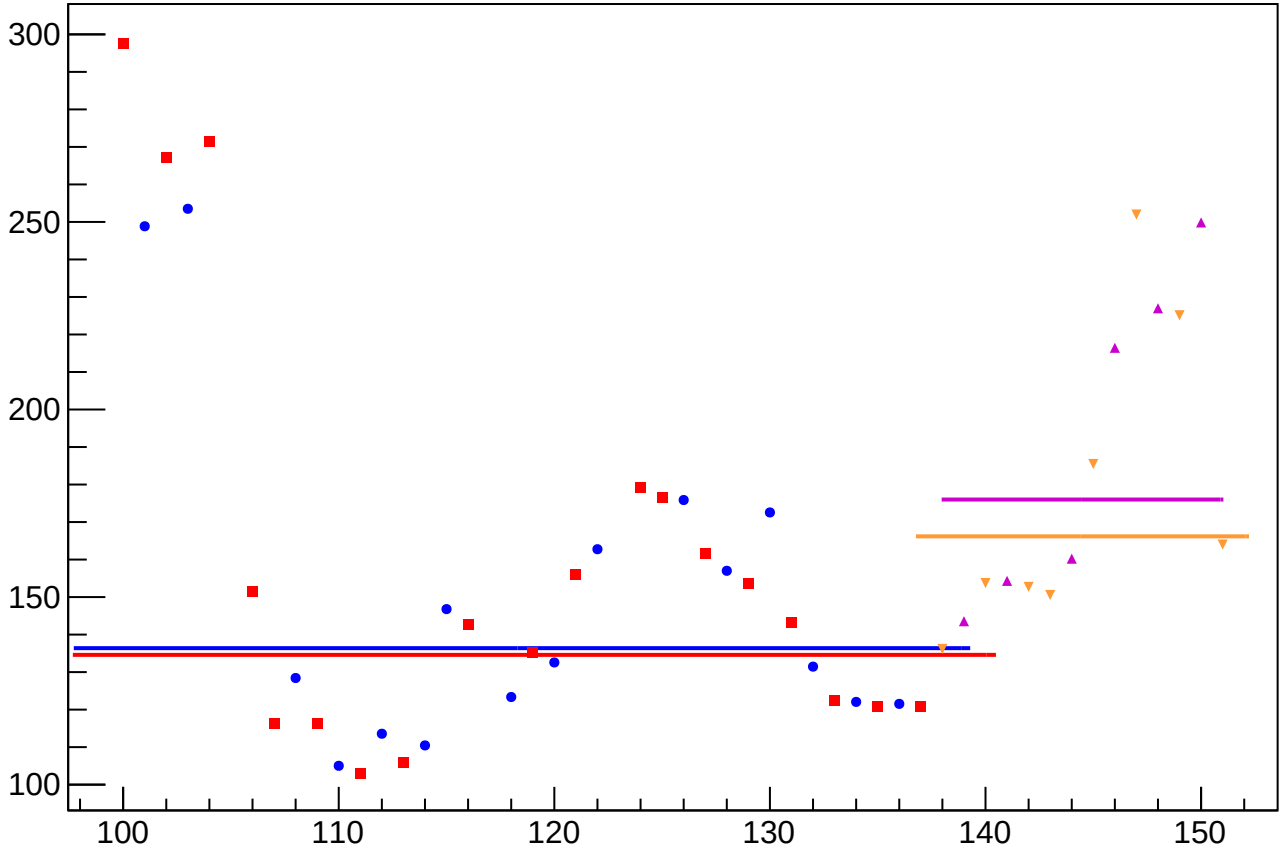
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -3062.650+/-44.317 χ^2/NDF:35544.1/21

Out: -2144.465+/-41.484 χ^2/NDF:10086.4/26

All: -2573.274+/-30.286 χ^2/NDF: 45859.3/48

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 166.185+/-0.049 χ^2/NDF:430726.3/7

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 176.003+/-0.056 χ^2/NDF:433636.8/5

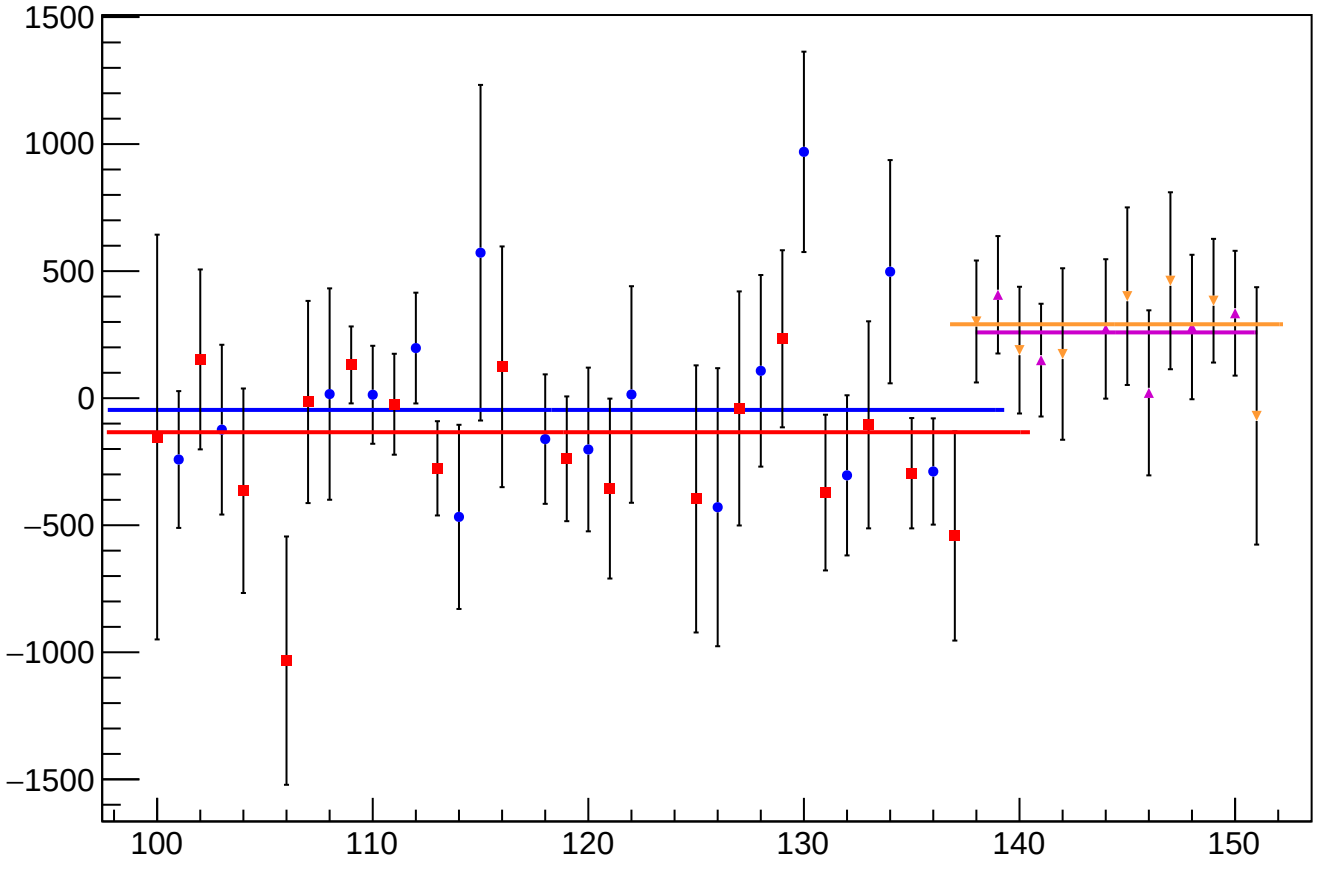
Left: 170.415+/-0.037 χ^2/NDF: 881845.4/13

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 148.782+/-0.031 χ^2/NDF:1574175.6/21

Out: 146.040+/-0.029 χ^2/NDF:1618200.7/26

All: 147.320+/-0.021 χ^2/NDF: 3196455.8/48



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 290.916+/-112.201 χ^2/NDF:1.3/6

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 258.864+/-104.961 χ^2/NDF:1.3/5

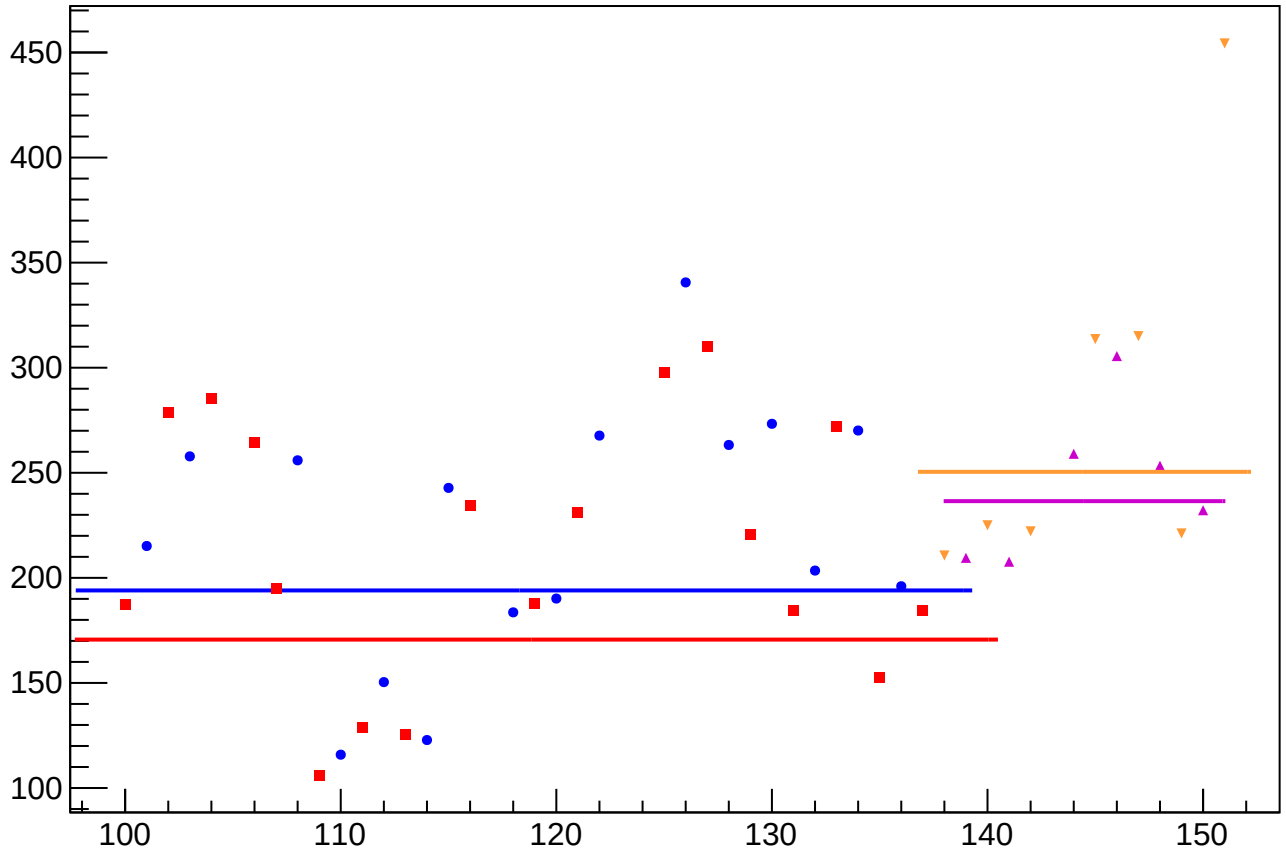
Left: 273.823+/-76.650 χ^2/NDF: 2.6/12

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 59.242+/-61.707 χ^2/NDF:22.3/21

Out: -18.774+/-58.412 χ^2/NDF:24.6/24

All: 18.095+/-42.421 χ^2/NDF: 47.7/46



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 250.457+/-0.079 χ^2/NDF:577031.2/6

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 236.509+/-0.074 χ^2/NDF:172518.1/5

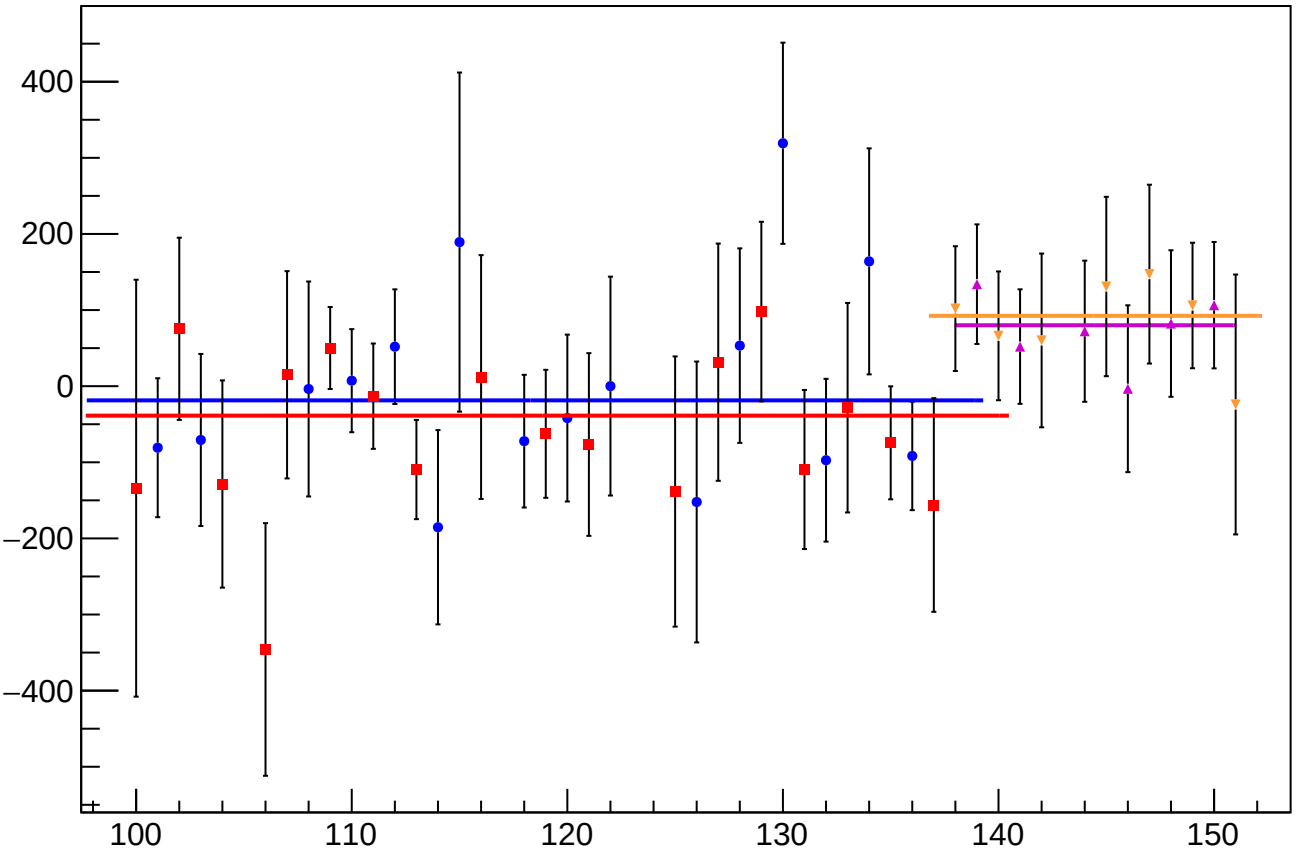
Left: 243.018+/-0.054 χ^2/NDF: 766032.3/12

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 208.704+/-0.044 χ^2/NDF:1430596.5/21

Out: 192.260+/-0.041 χ^2/NDF:2908873.5/24

All: 200.031+/-0.030 χ^2/NDF: 4414371.4/46



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 92.428+/-38.034 χ^2/NDF:1.0/6

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 80.049+/-35.554 χ^2/NDF:1.3/5

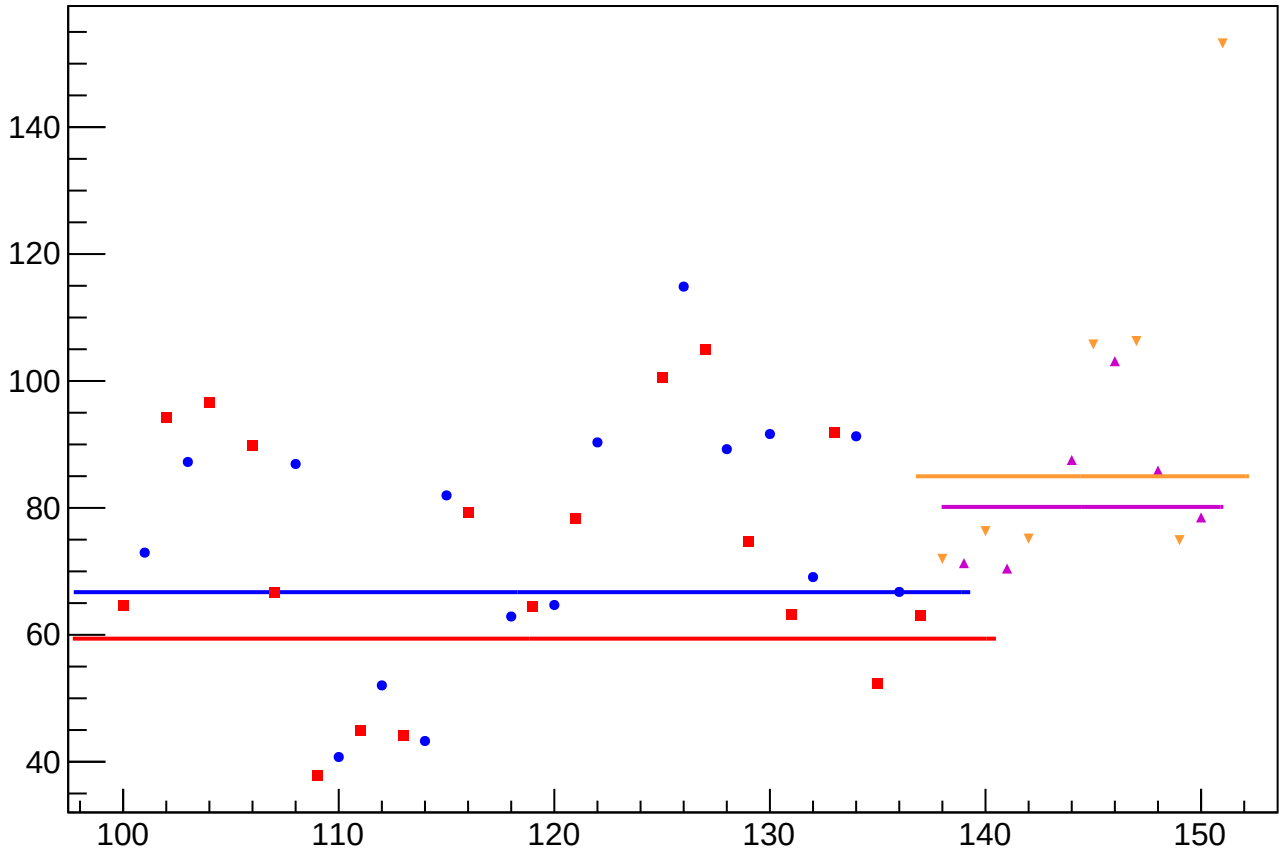
Left: 85.822+/-25.973 χ^2/NDF: 2.4/12

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 15.955+/-21.051 χ^2/NDF:21.5/21

Out: -2.144+/-20.085 χ^2/NDF:22.2/24

All: 6.481+/-14.532 χ^2/NDF: 44.1/46



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 84.982+/-0.027 χ^2/NDF:563081.6/6

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 80.158+/-0.025 χ^2/NDF:167134.1/5

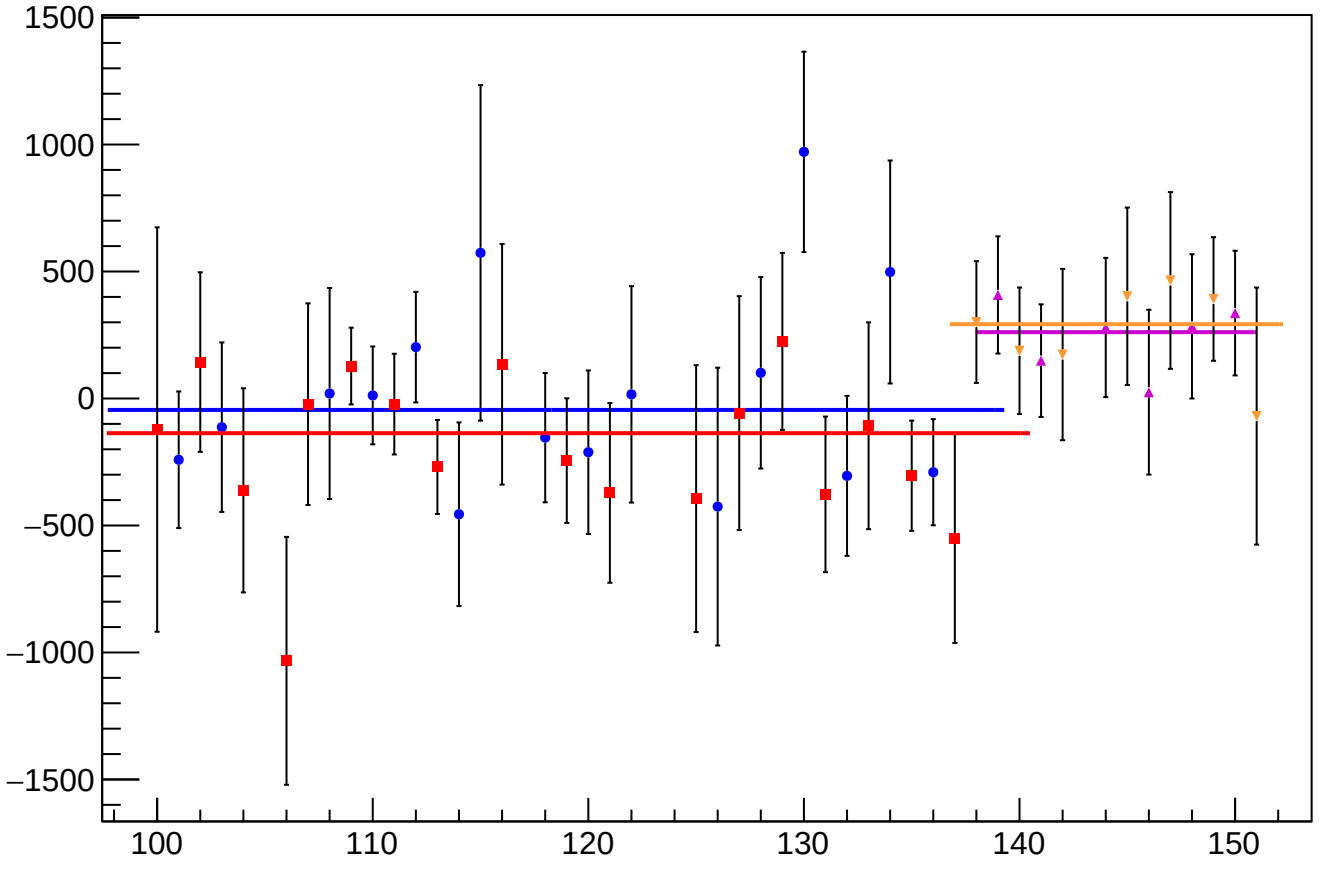
Left: 82.408+/-0.018 χ^2/NDF: 747387.0/12

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 71.434+/-0.015 χ^2/NDF:1299603.8/21

Out: 66.535+/-0.014 χ^2/NDF:2660927.7/24

All: 68.869+/-0.010 χ^2/NDF: 4017239.4/46



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 292.566+/-112.116 χ^2/NDF:1.3/6

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 261.242+/-104.884 χ^2/NDF:1.3/5

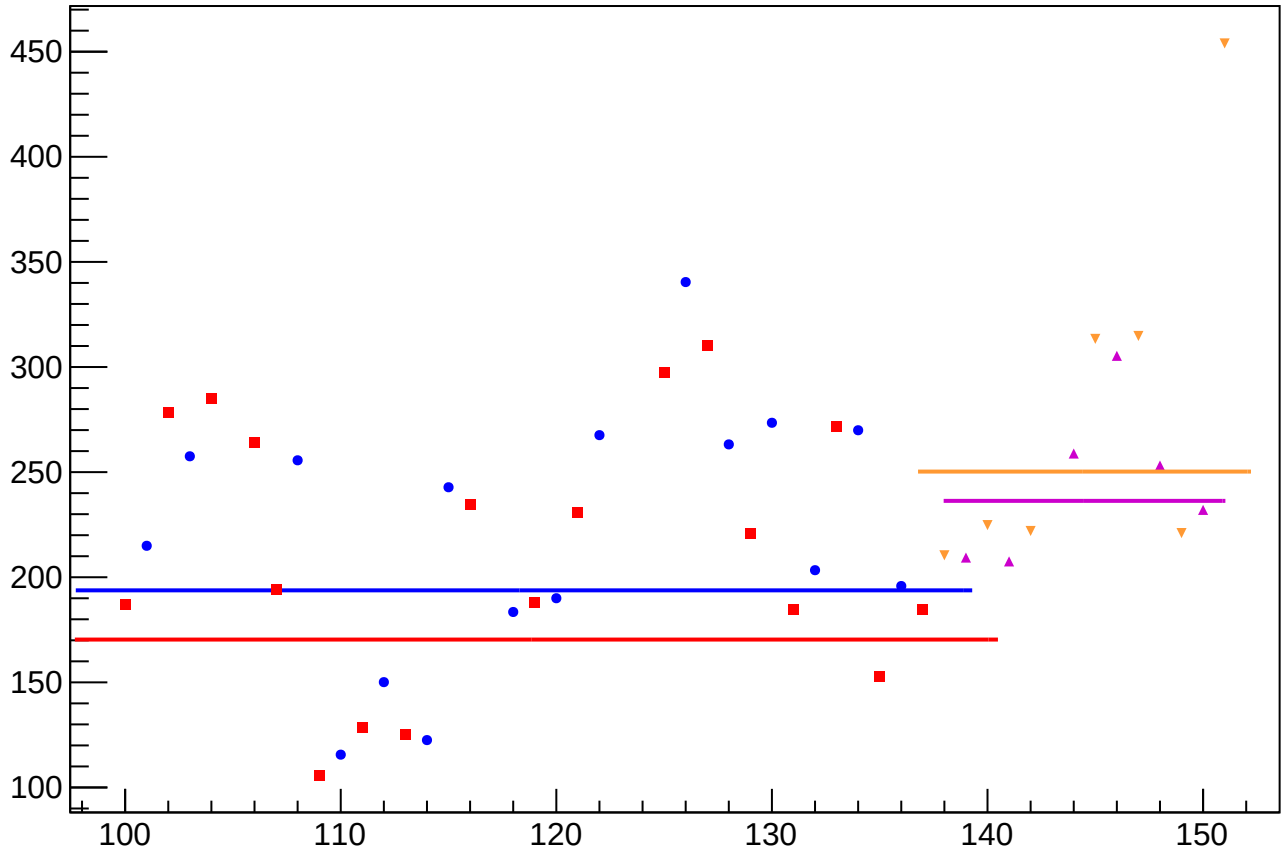
Left: 275.861+/-76.593 χ^2/NDF: 2.7/12

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 60.850+/-61.647 χ^2/NDF:22.3/21

Out: -20.368+/-58.343 χ^2/NDF:24.9/24

All: 18.006+/-42.375 χ^2/NDF: 48.1/46



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 250.267+/-0.079 χ^2/NDF:576997.3/6

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 236.333+/-0.074 χ^2/NDF:172534.4/5

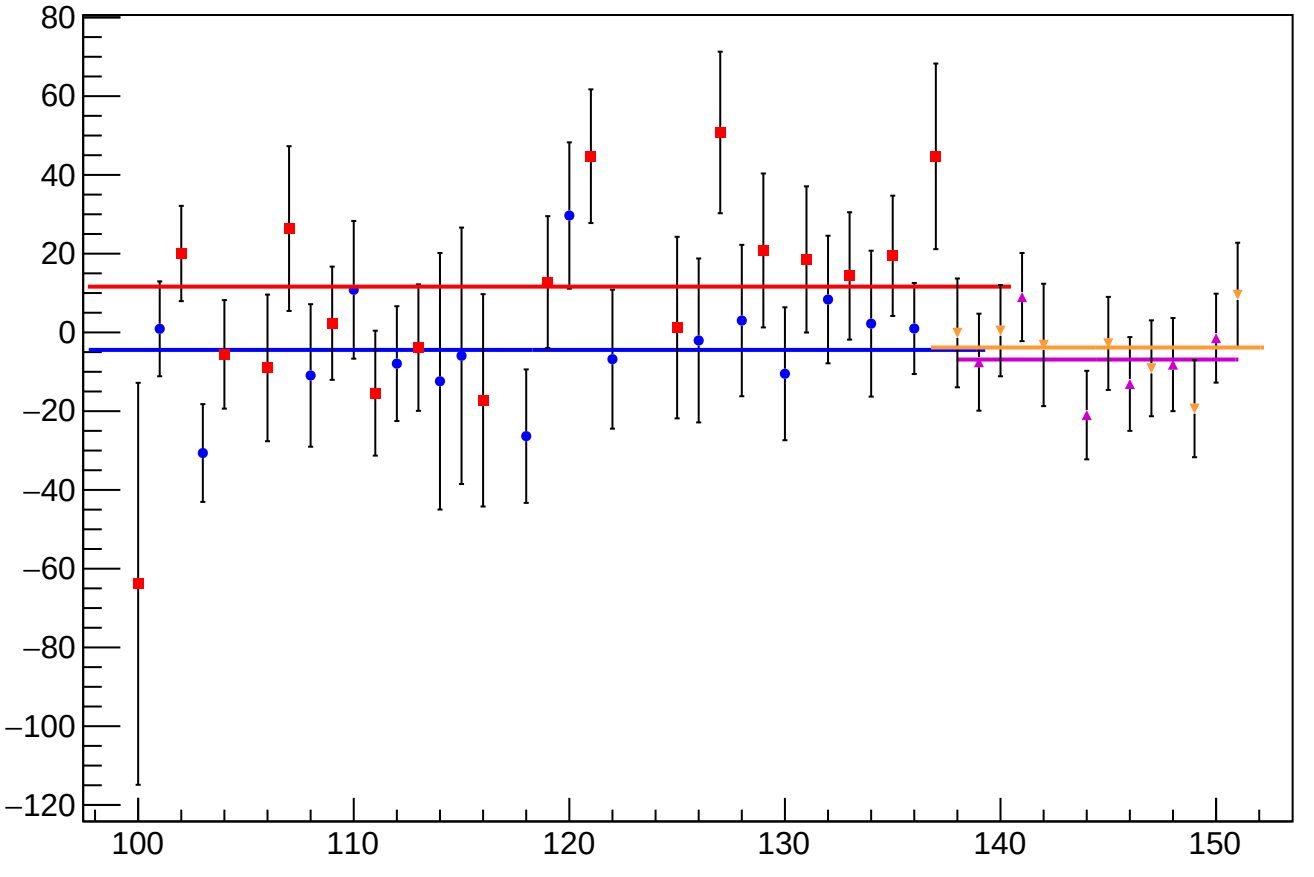
Left: 242.836+/-0.054 χ^2/NDF: 766004.9/12

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 208.473+/-0.044 χ^2/NDF:1436238.4/21

Out: 191.997+/-0.041 χ^2/NDF:2916889.1/24

All: 199.781+/-0.030 χ^2/NDF: 4428488.5/46



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -3.831+/-4.821 χ^2/NDF:3.0/6

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -6.885+/-4.739 χ^2/NDF:4.1/5

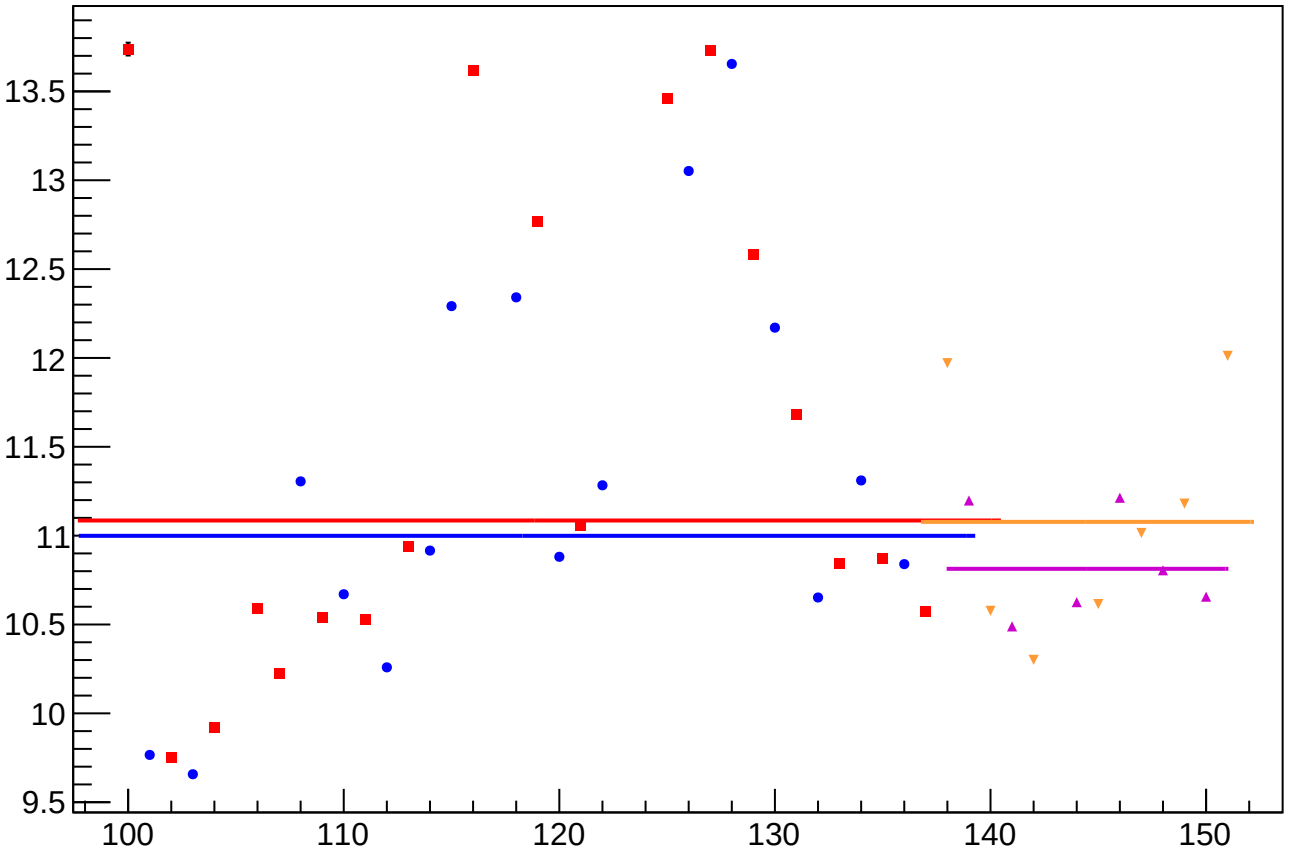
Left: -5.384+/-3.380 χ^2/NDF: 7.3/12

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -5.496+/-3.114 χ^2/NDF:16.2/21

Out: 5.072+/-3.139 χ^2/NDF:30.6/24

All: -0.255+/-2.211 χ^2/NDF: 52.5/46



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.078+/-0.003 χ^2/NDF:30312.1/6

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 10.813+/-0.003 χ^2/NDF:6825.3/5

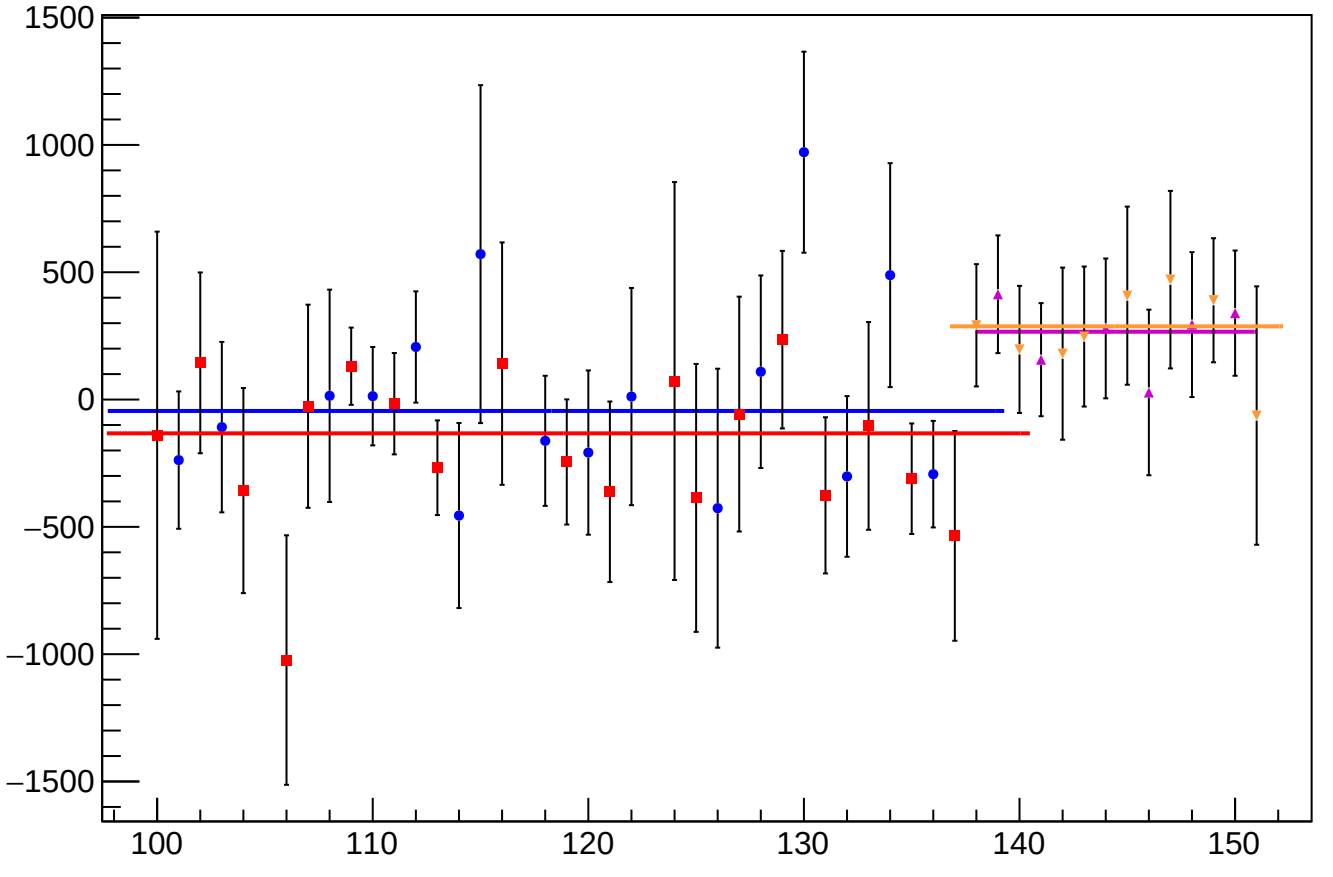
Left: 10.943+/-0.002 χ^2/NDF: 40193.0/12

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 10.919+/-0.002 χ^2/NDF:144728.8/21

Out: 11.082+/-0.002 χ^2/NDF:192519.3/24

All: 11.000+/-0.002 χ^2/NDF: 339971.2/46



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 287.573+/-103.971 χ^2/NDF:1.3/7

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 266.343+/-105.062 χ^2/NDF:1.3/5

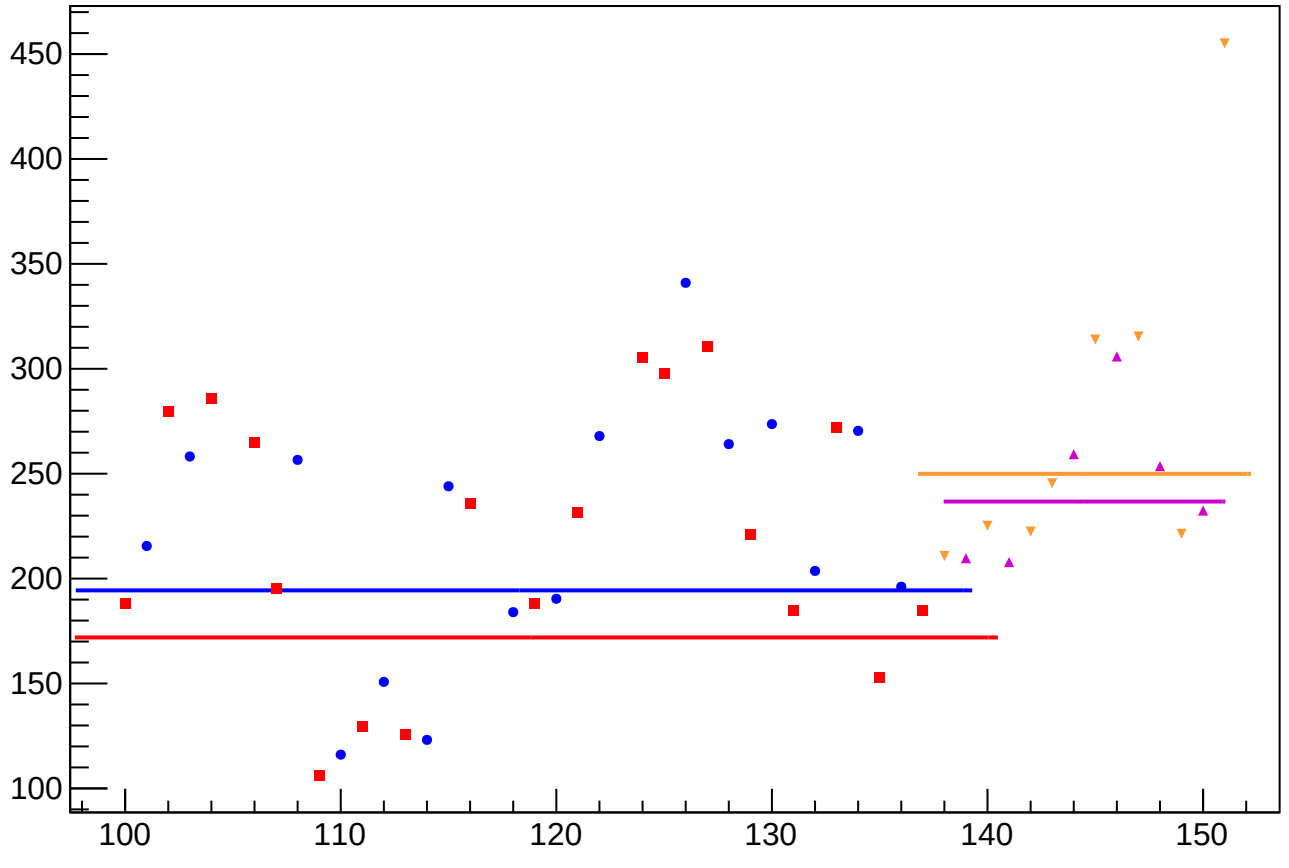
Left: 277.069+/-73.901 χ^2/NDF: 2.6/13

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 62.868+/-61.802 χ^2/NDF:22.4/21

Out: -6.109+/-57.067 χ^2/NDF:25.6/26

All: 25.636+/-41.927 χ^2/NDF: 48.7/48



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 249.937+/-0.074 χ^2/NDF:578479.8/7

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 236.730+/-0.074 χ^2/NDF:172729.7/5

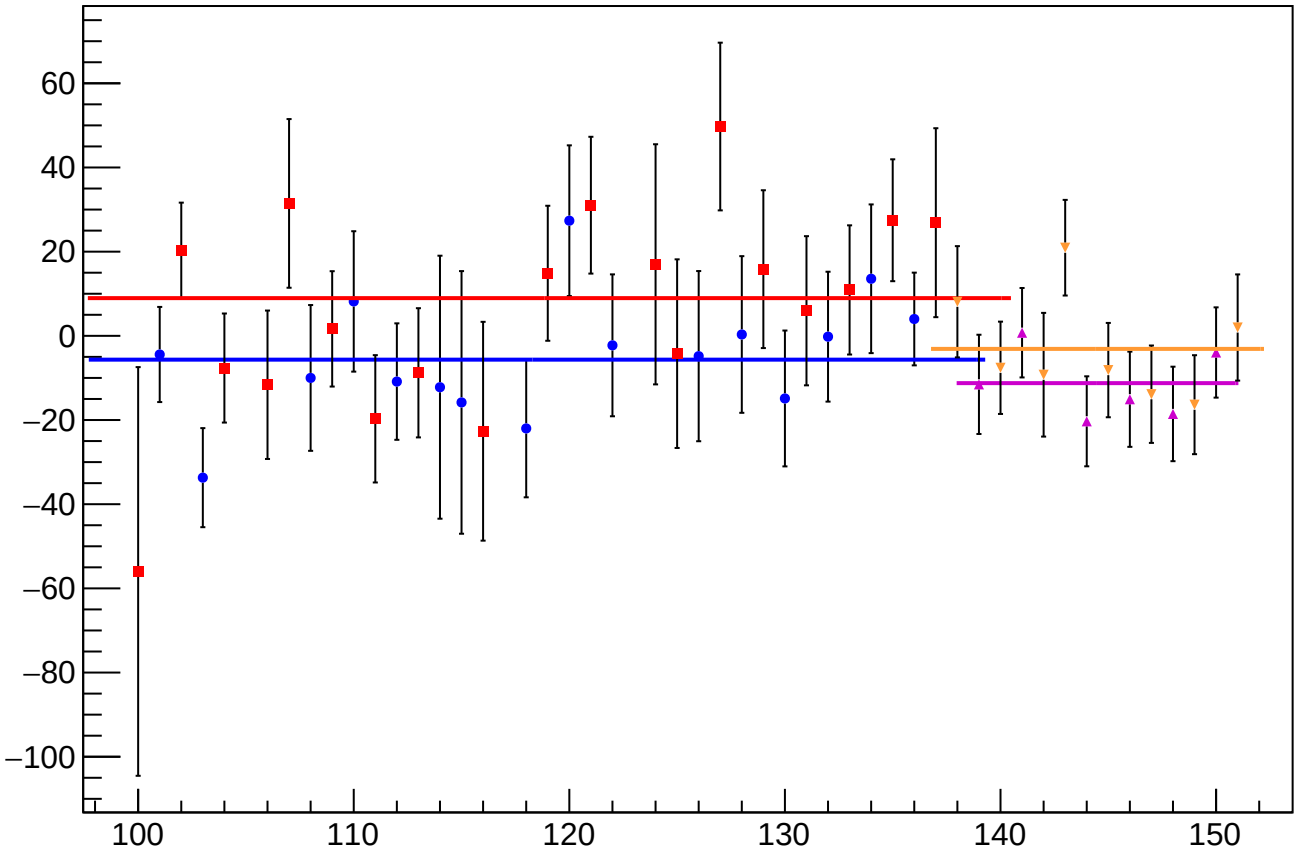
Left: 243.403+/-0.052 χ^2/NDF: 767177.5/13

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 209.038+/-0.044 χ^2/NDF:1427223.5/21

Out: 195.444+/-0.040 χ^2/NDF:3016104.3/26

All: 201.700+/-0.030 χ^2/NDF: 4495560.7/48



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.100+/-4.250 χ^2/NDF:8.0/7

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -11.236+/-4.506 χ^2/NDF:3.0/5

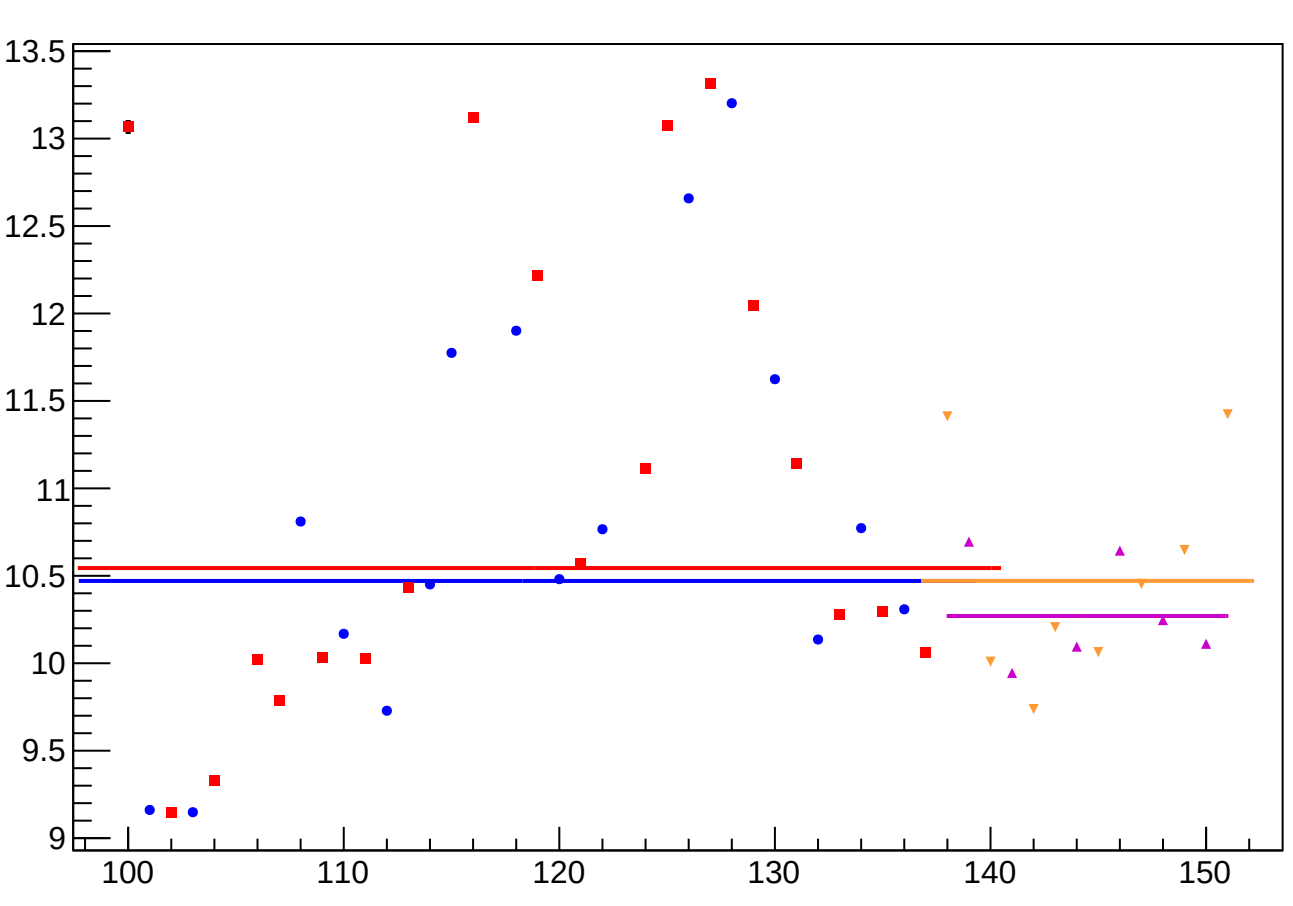
Left: -6.930+/-3.092 χ^2/NDF: 12.8/13

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -8.074+/-2.966 χ^2/NDF:17.5/21

Out: 3.445+/-2.874 χ^2/NDF:35.2/26

All: -2.133+/-2.064 χ^2/NDF: 60.5/48



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.471+/-0.003 χ^2/NDF:34245.4/7

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.270+/-0.003 χ^2/NDF:7646.6/5

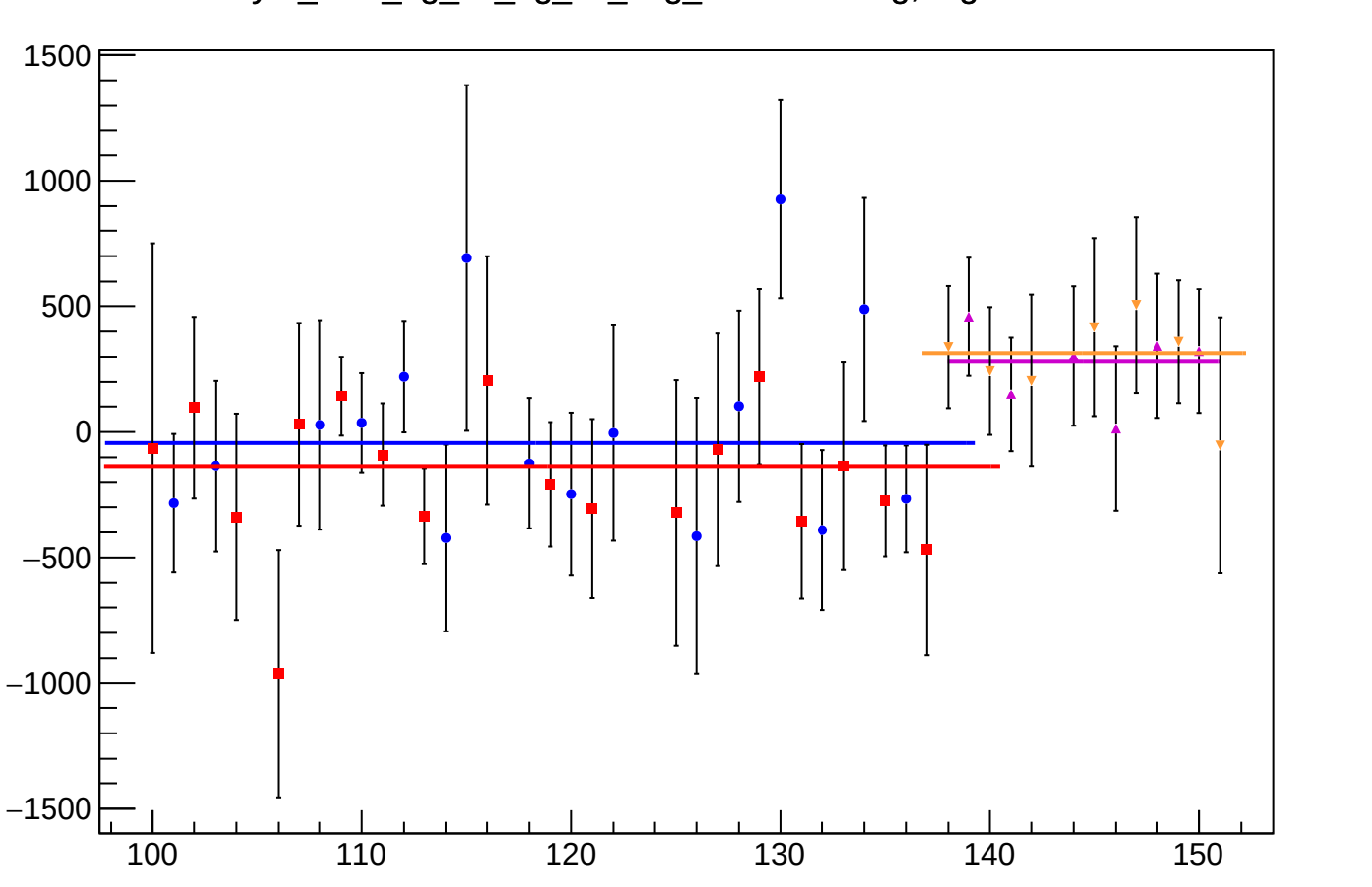
Left: 10.376+/-0.002 χ^2/NDF: 43992.1/13

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.384+/-0.002 χ^2/NDF:167253.5/21

Out: 10.511+/-0.002 χ^2/NDF:221349.5/26

All: 10.449+/-0.001 χ^2/NDF: 390494.1/48



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 314.515+/-113.744 χ^2/NDF:1.1/6

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 279.673+/-106.382 χ^2/NDF:1.7/5

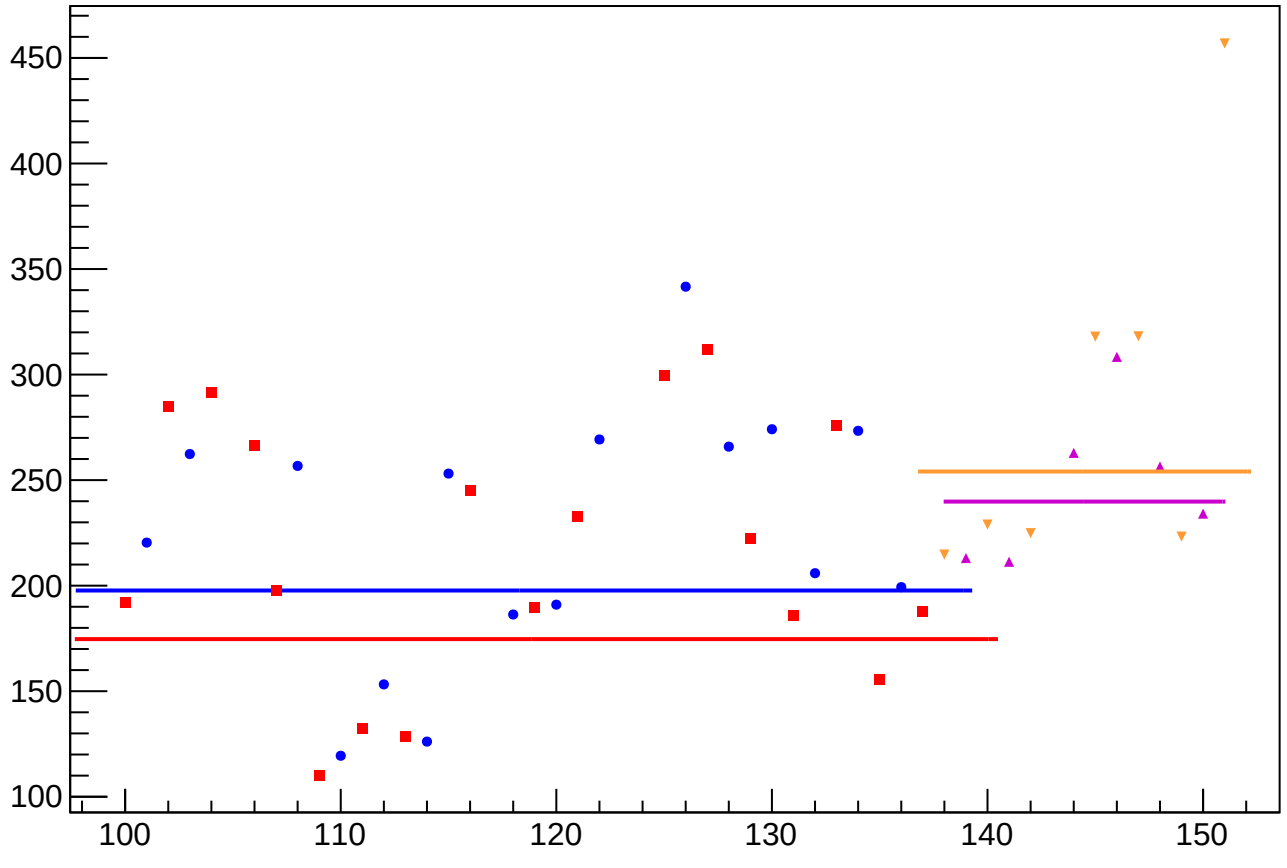
Left: 295.930+/-77.696 χ^2/NDF: 2.8/12

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 68.783+/-62.685 χ^2/NDF:23.1/21

Out: -14.454+/-59.512 χ^2/NDF:24.1/24

All: 25.004+/-43.159 χ^2/NDF: 48.2/46



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 254.076+/-0.080 χ^2/NDF:566137.1/6

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 239.827+/-0.075 χ^2/NDF:166854.1/5

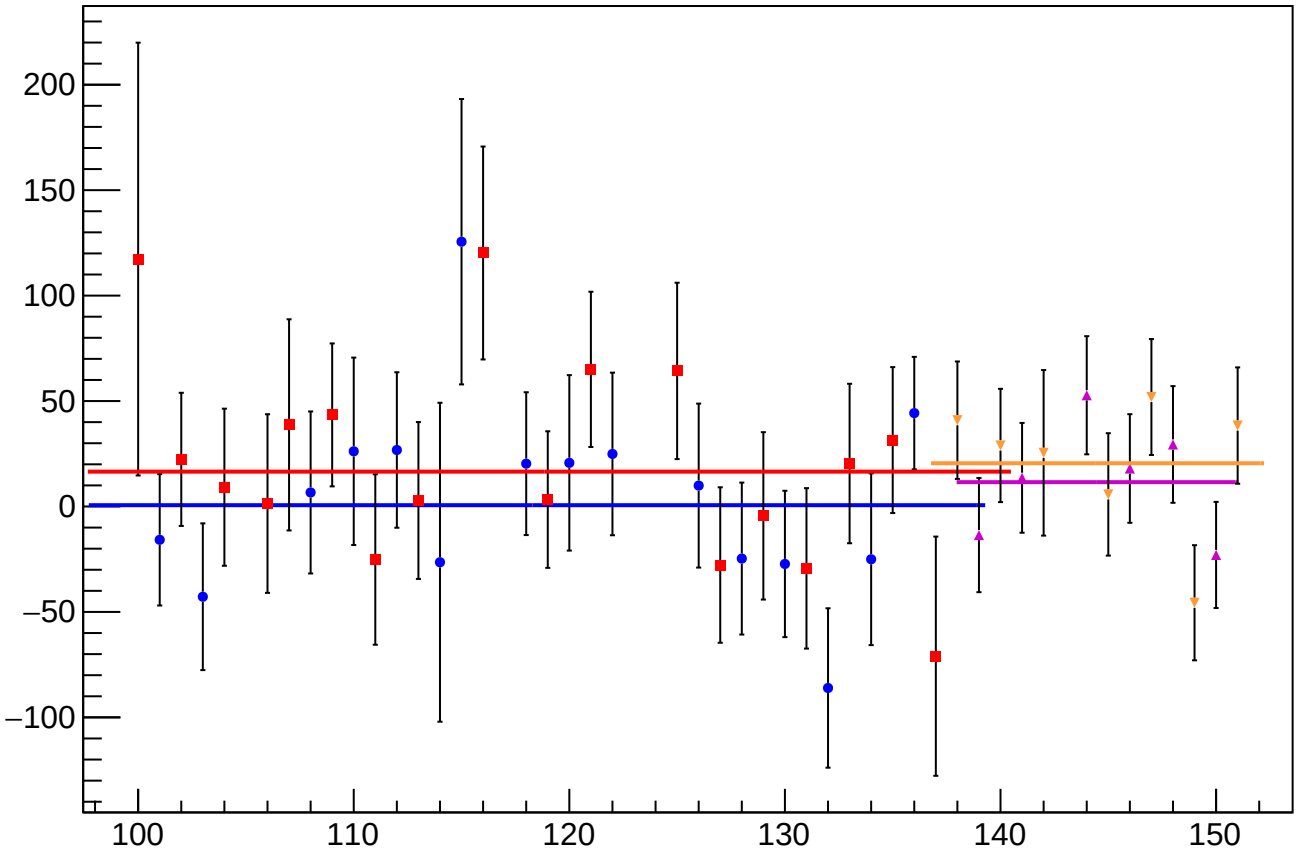
Left: 246.475+/-0.055 χ^2/NDF: 749733.5/12

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 212.331+/-0.044 χ^2/NDF:1371837.8/21

Out: 196.414+/-0.042 χ^2/NDF:2808618.3/24

All: 203.960+/-0.031 χ^2/NDF: 4248282.0/46



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 20.506+/-10.852 χ^2/NDF:8.5/6

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 11.536+/-10.842 χ^2/NDF:5.4/5

Left: 16.017+/-7.670 χ^2/NDF: 14.2/12

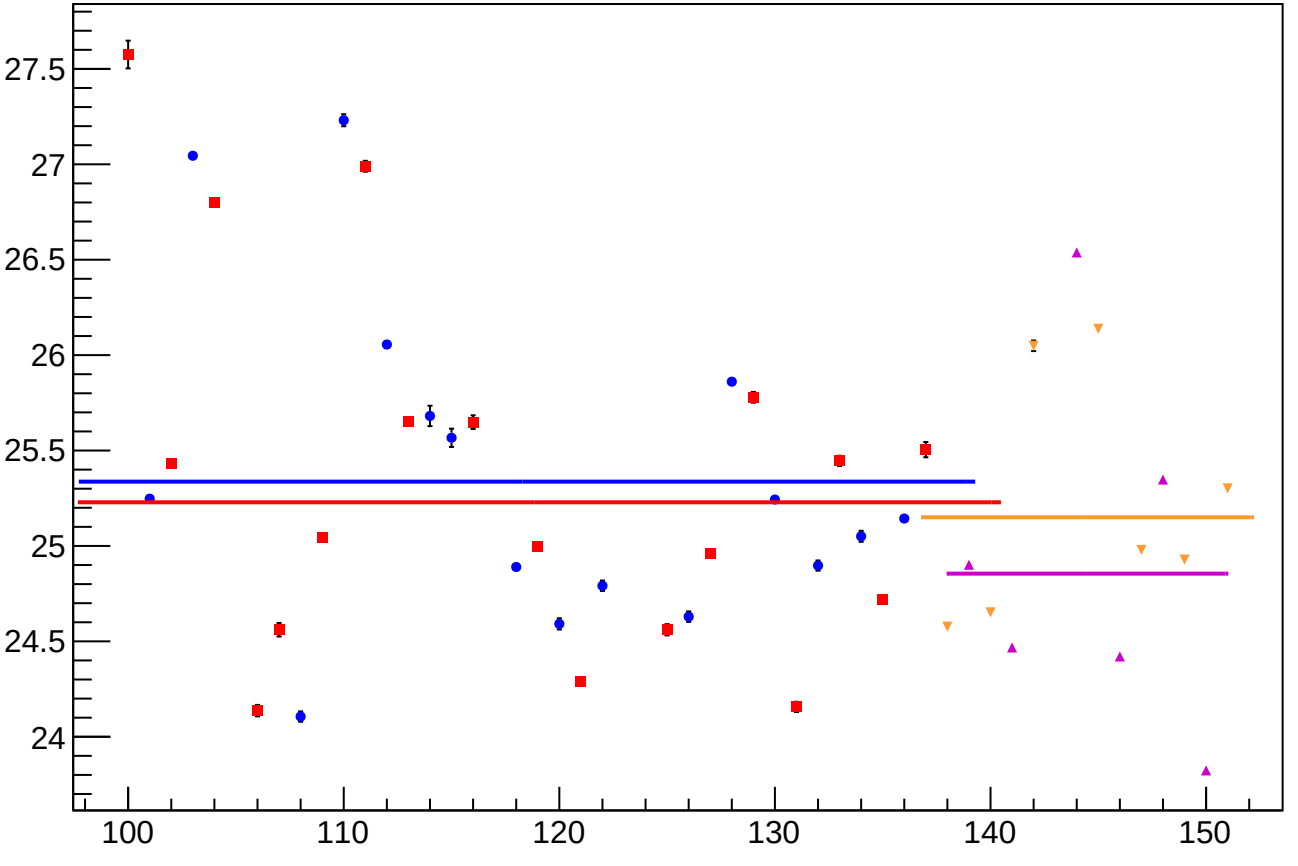
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 5.316+/-7.112 χ^2/NDF:22.7/21

Out: 18.217+/-7.065 χ^2/NDF:25.0/24

All: 11.809+/-5.012 χ^2/NDF: 49.3/46

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: 25.150+/-0.008 χ^2/NDF:5170.0/6

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.855+/-0.008 χ^2/NDF:12233.3/5

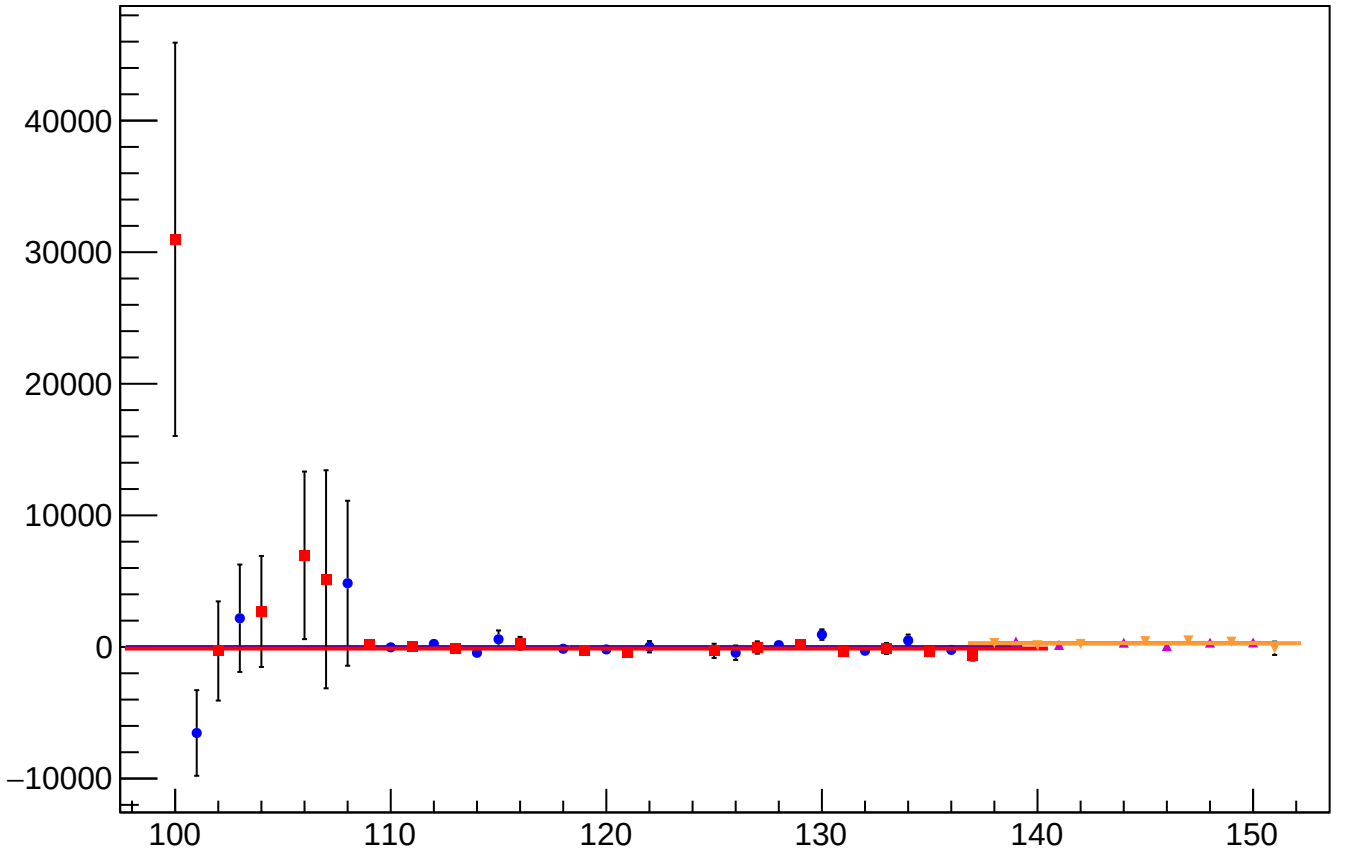
Left: 25.002+/-0.005 χ^2/NDF: 18144.9/12

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.130+/-0.005 χ^2/NDF:28801.4/21

Out: 25.196+/-0.005 χ^2/NDF:20406.3/24

All: 25.163+/-0.004 χ^2/NDF: 49294.2/46



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 289.195+/-114.325 χ^2/NDF:1.7/6

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 285.232+/-107.208 χ^2/NDF:1.2/5

Left: 287.086+/-78.203 χ^2/NDF: 2.9/12

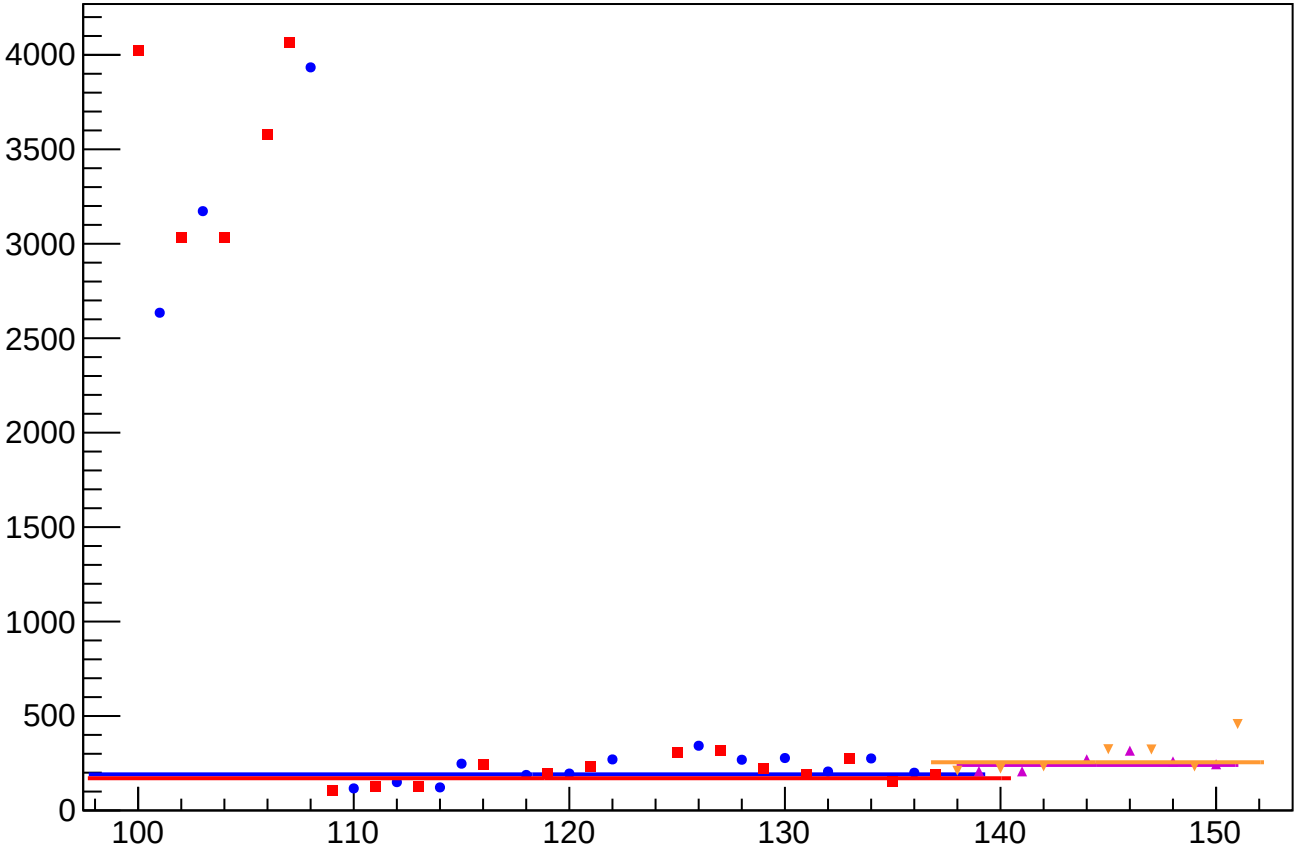
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 101.103+/-66.342 χ^2/NDF:24.3/21

Out: 10.547+/-64.571 χ^2/NDF:24.8/24

All: 54.601+/-46.272 χ^2/NDF: 50.0/46

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 255.131+/-0.081 χ^2/NDF:590423.9/6

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 241.031+/-0.076 χ^2/NDF:218013.3/5

Left: 247.628+/-0.055 χ^2/NDF: 824624.0/12

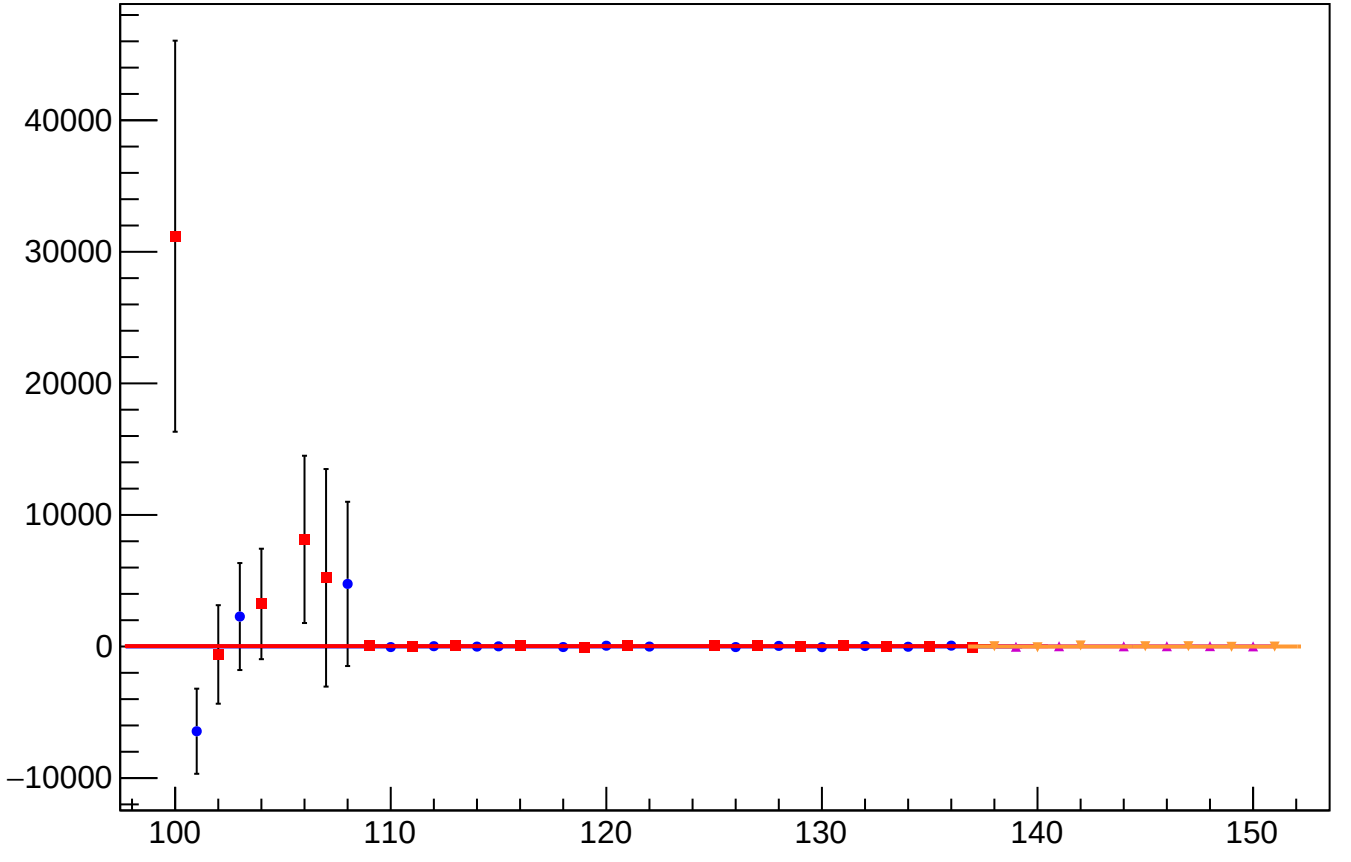
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 210.201+/-0.047 χ^2/NDF:4319986.6/21

Out: 197.493+/-0.046 χ^2/NDF:5591714.6/24

All: 203.676+/-0.033 χ^2/NDF: 9949385.8/46

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: 0.434+/-12.626 χ^2/NDF:8.2/6

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 15.708+/-12.860 χ^2/NDF:1.4/5

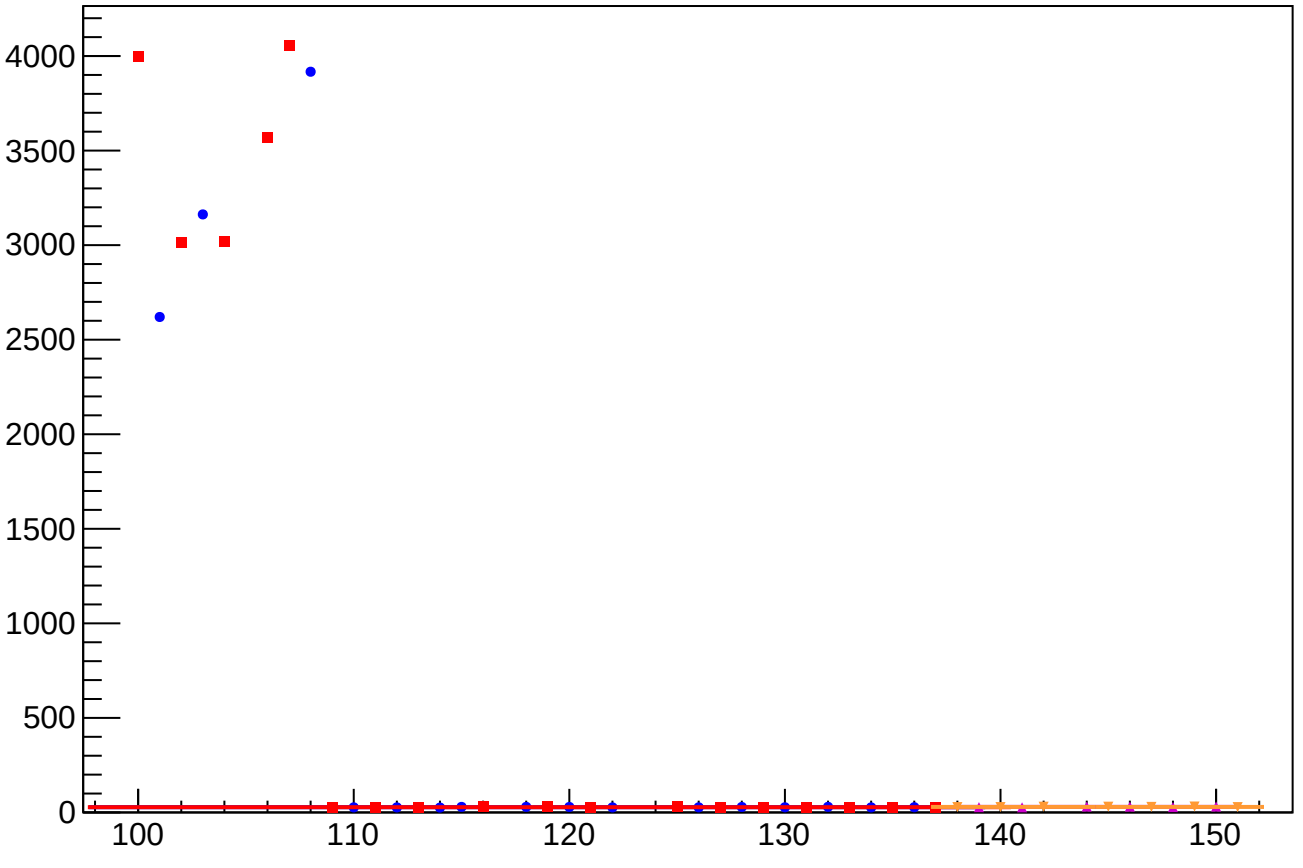
Left: 7.931+/-9.009 χ^2/NDF: 10.4/12

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 10.690+/-8.680 χ^2/NDF:20.0/21

Out: 16.251+/-8.730 χ^2/NDF:31.1/24

All: 13.454+/-6.155 χ^2/NDF: 51.3/46



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.198+/-0.009 χ^2/NDF:16428.7/6

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.422+/-0.009 χ^2/NDF:33748.4/5

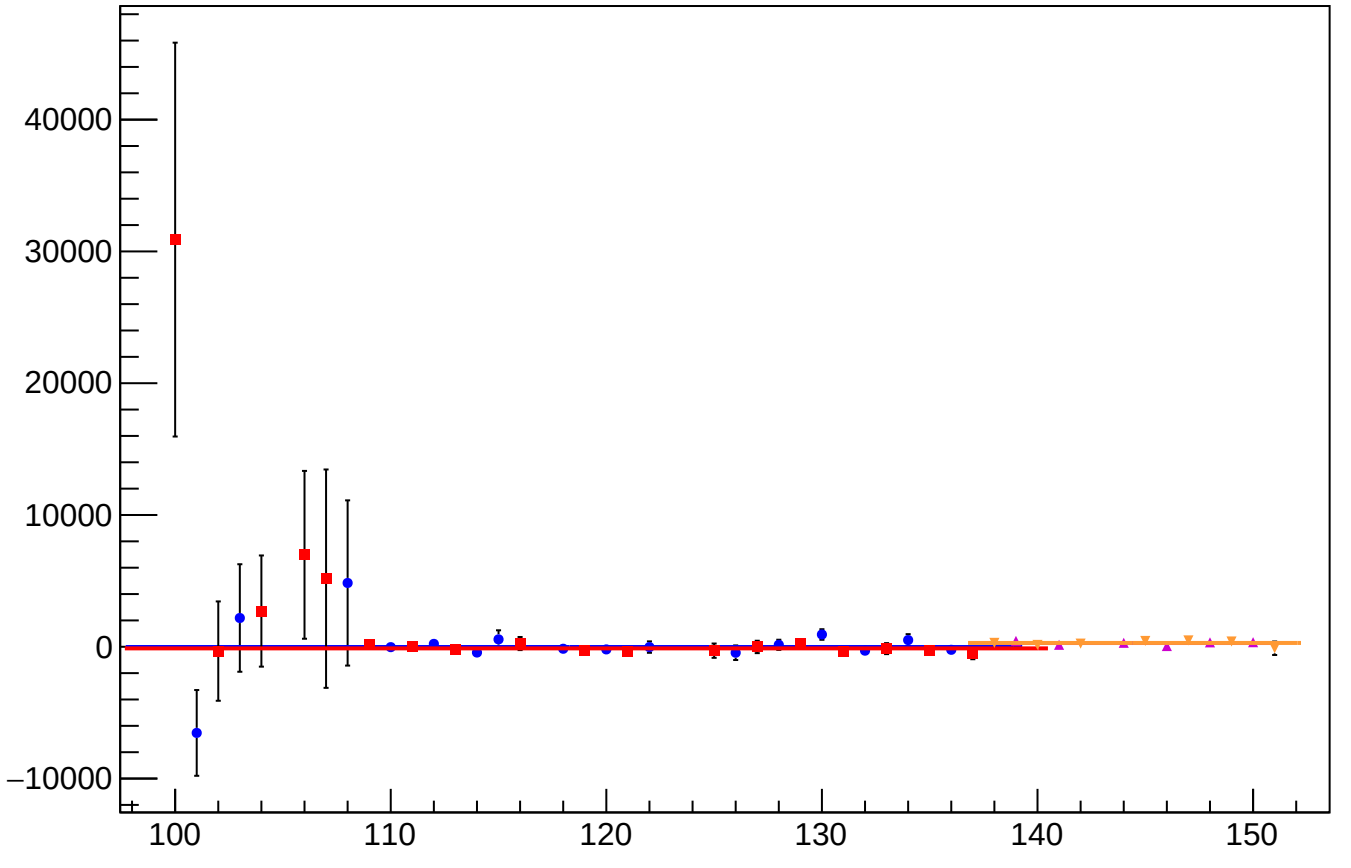
Left: 29.308+/-0.006 χ^2/NDF: 50485.9/12

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.552+/-0.006 χ^2/NDF:3316437.8/21

Out: 28.457+/-0.006 χ^2/NDF:3588027.7/24

All: 28.505+/-0.004 χ^2/NDF: 6904585.7/46



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 290.335+/-114.820 χ^2/NDF:1.7/6

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 285.496+/-107.757 χ^2/NDF:1.4/5

Left: 287.762+/-78.574 χ^2/NDF: 3.1/12

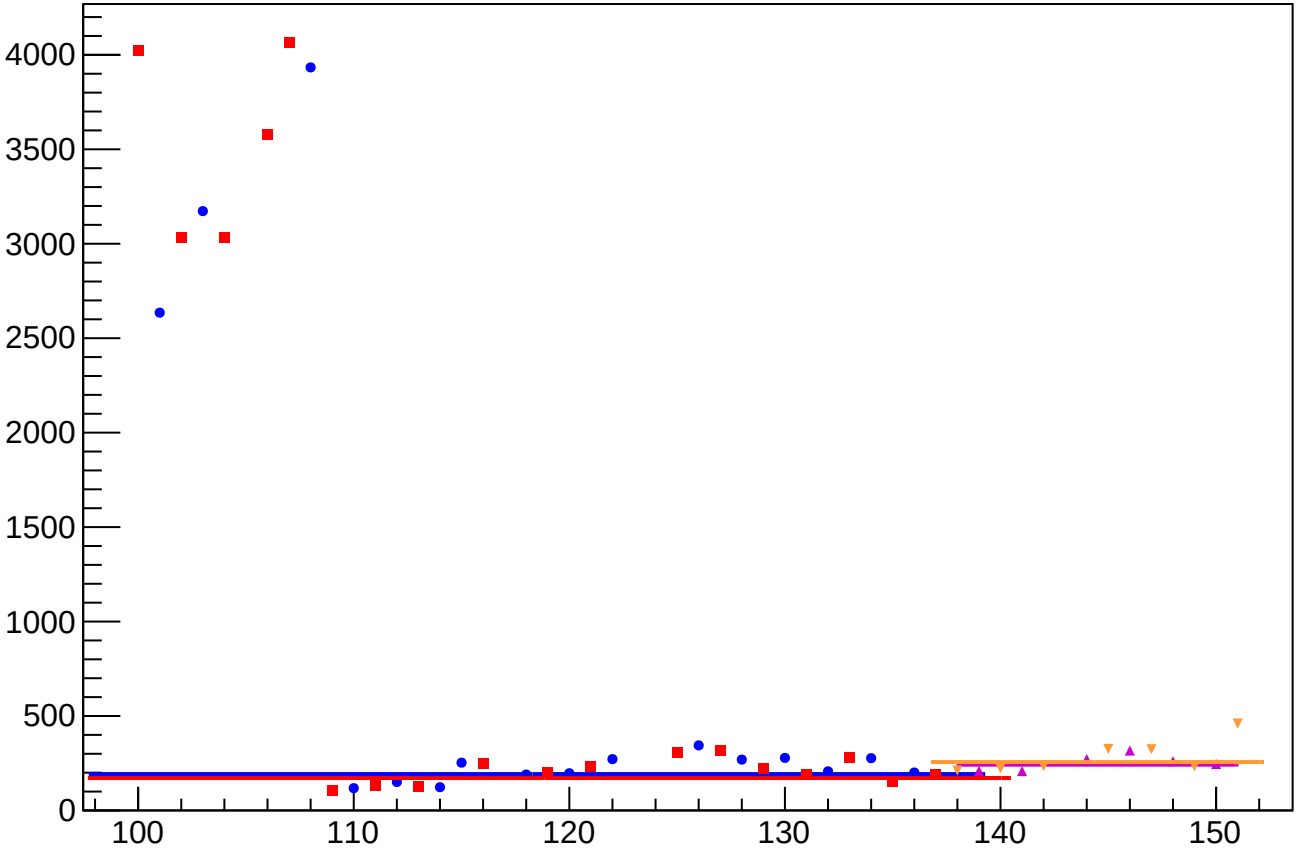
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 97.579+/-66.767 χ^2/NDF:24.5/21

Out: 10.435+/-64.996 χ^2/NDF:23.6/24

All: 52.836+/-46.572 χ^2/NDF: 49.0/46

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 256.234+/-0.081 χ^2/NDF:590705.6/6

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 242.307+/-0.076 χ^2/NDF:215156.2/5

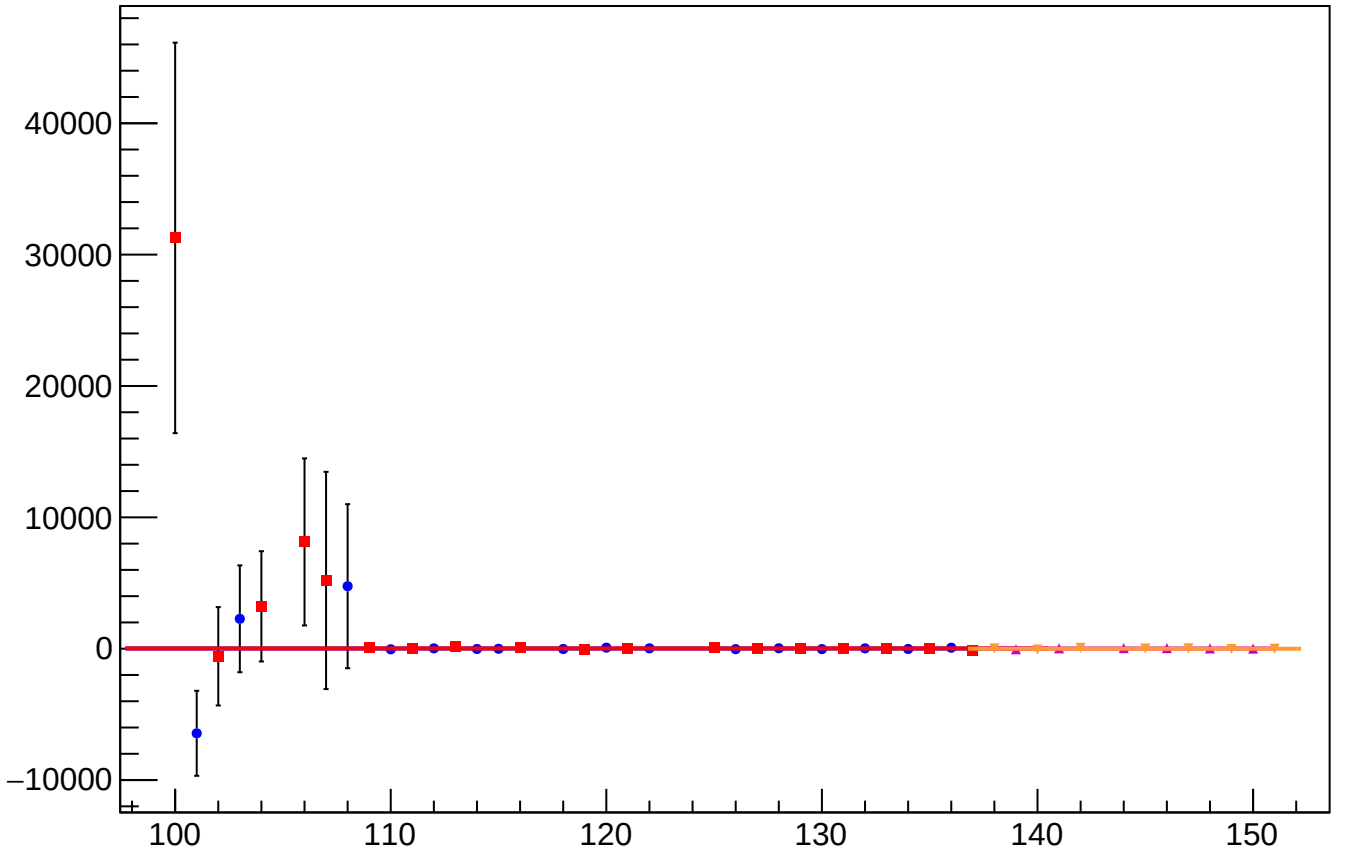
Left: 248.829+/-0.056 χ^2/NDF: 821506.6/12

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 211.659+/-0.047 χ^2/NDF:4300559.2/21

Out: 198.922+/-0.046 χ^2/NDF:5571746.2/24

All: 205.119+/-0.033 χ^2/NDF: 9909672.4/46



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 0.326+/-13.746 χ^2/NDF:7.3/6

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 17.032+/-13.920 χ^2/NDF:4.4/5

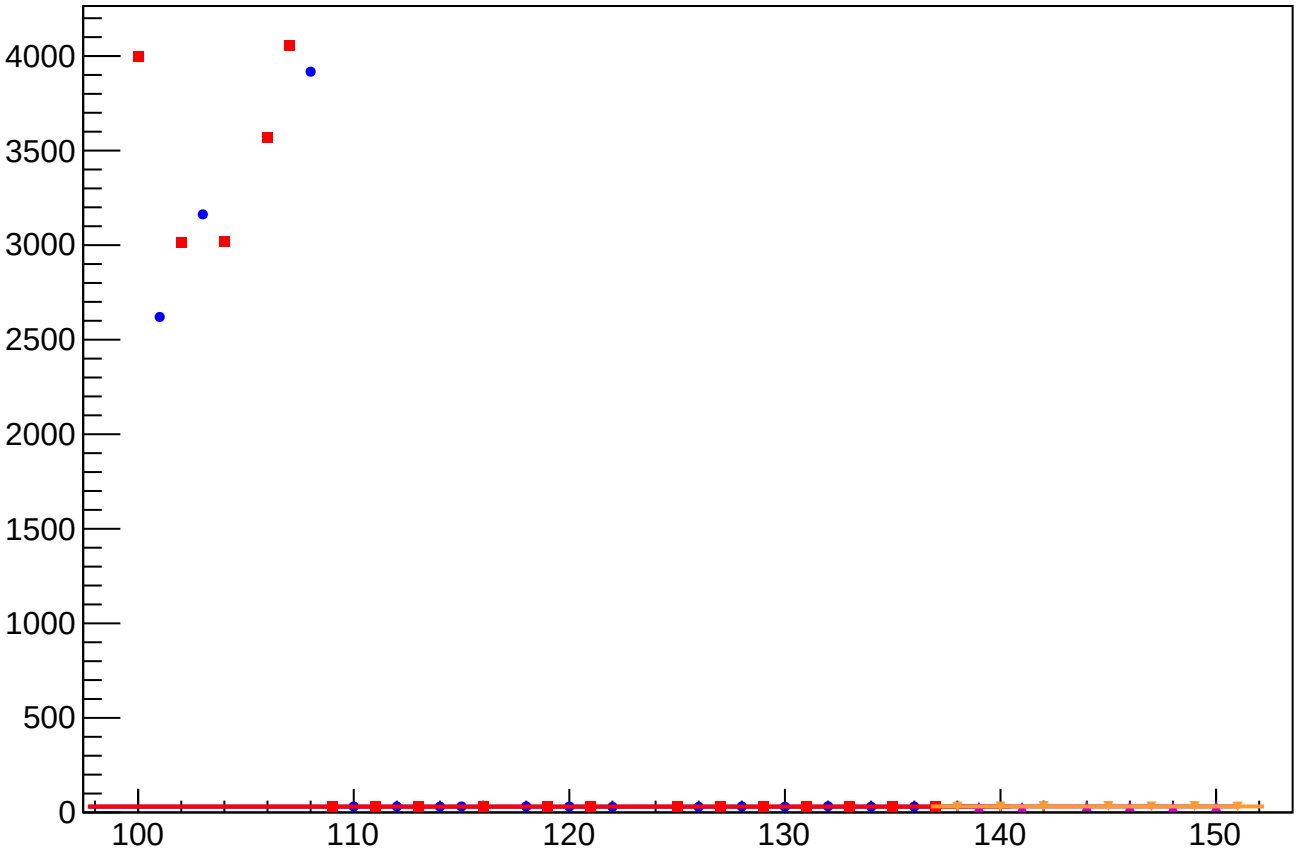
Left: 8.574+/-9.781 χ^2/NDF: 12.4/12

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 15.267+/-9.525 χ^2/NDF:19.9/21

Out: 11.406+/-9.589 χ^2/NDF:36.9/24

All: 13.349+/-6.758 χ^2/NDF: 56.9/46



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.803+/-0.010 χ^2/NDF:15035.3/6

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.886+/-0.010 χ^2/NDF:22049.5/5

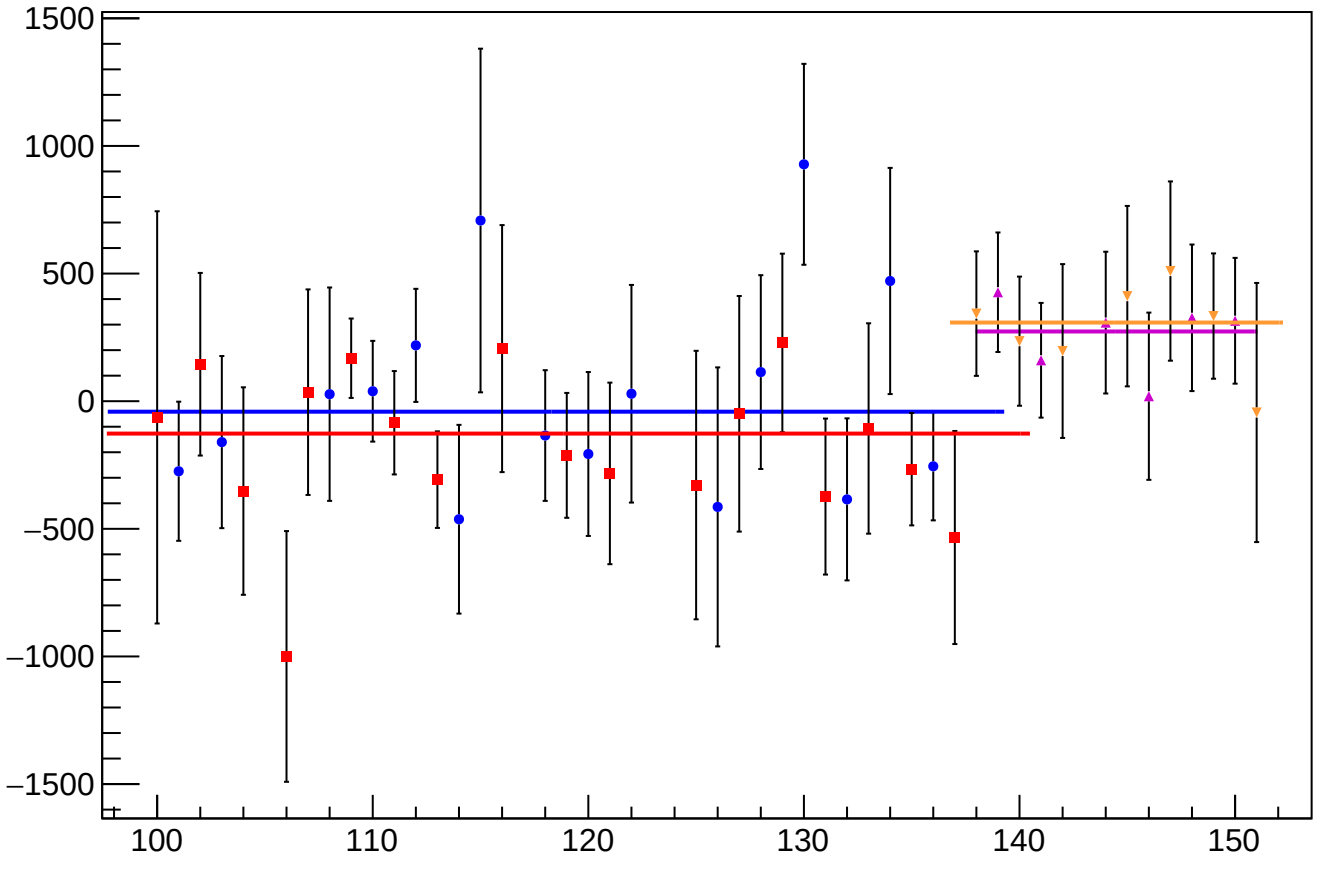
Left: 31.844+/-0.007 χ^2/NDF: 37121.3/12

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.377+/-0.007 χ^2/NDF:3279691.0/21

Out: 31.290+/-0.007 χ^2/NDF:3556412.0/24

All: 31.334+/-0.005 χ^2/NDF: 6836185.6/46



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 308.158+/-113.479 χ^2/NDF:1.1/6

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 273.121+/-106.034 χ^2/NDF:1.4/5

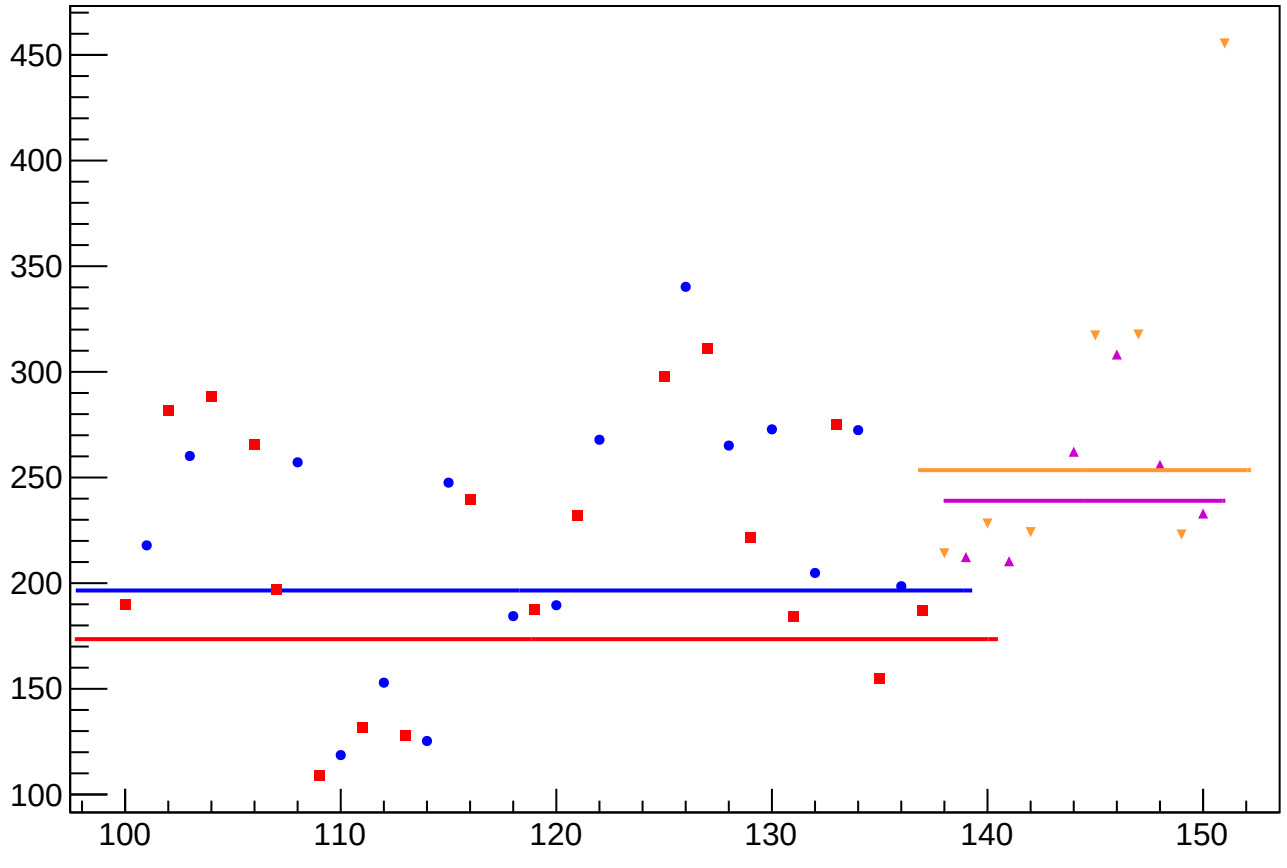
Left: 289.453+/-77.476 χ^2/NDF: 2.5/12

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 67.637+/-62.379 χ^2/NDF:22.7/21

Out: -8.515+/-59.195 χ^2/NDF:24.6/24

All: 27.568+/-42.939 χ^2/NDF: 48.1/46



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 253.481+/-0.080 χ^2/NDF:566108.0/6

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 238.999+/-0.075 χ^2/NDF:169817.1/5

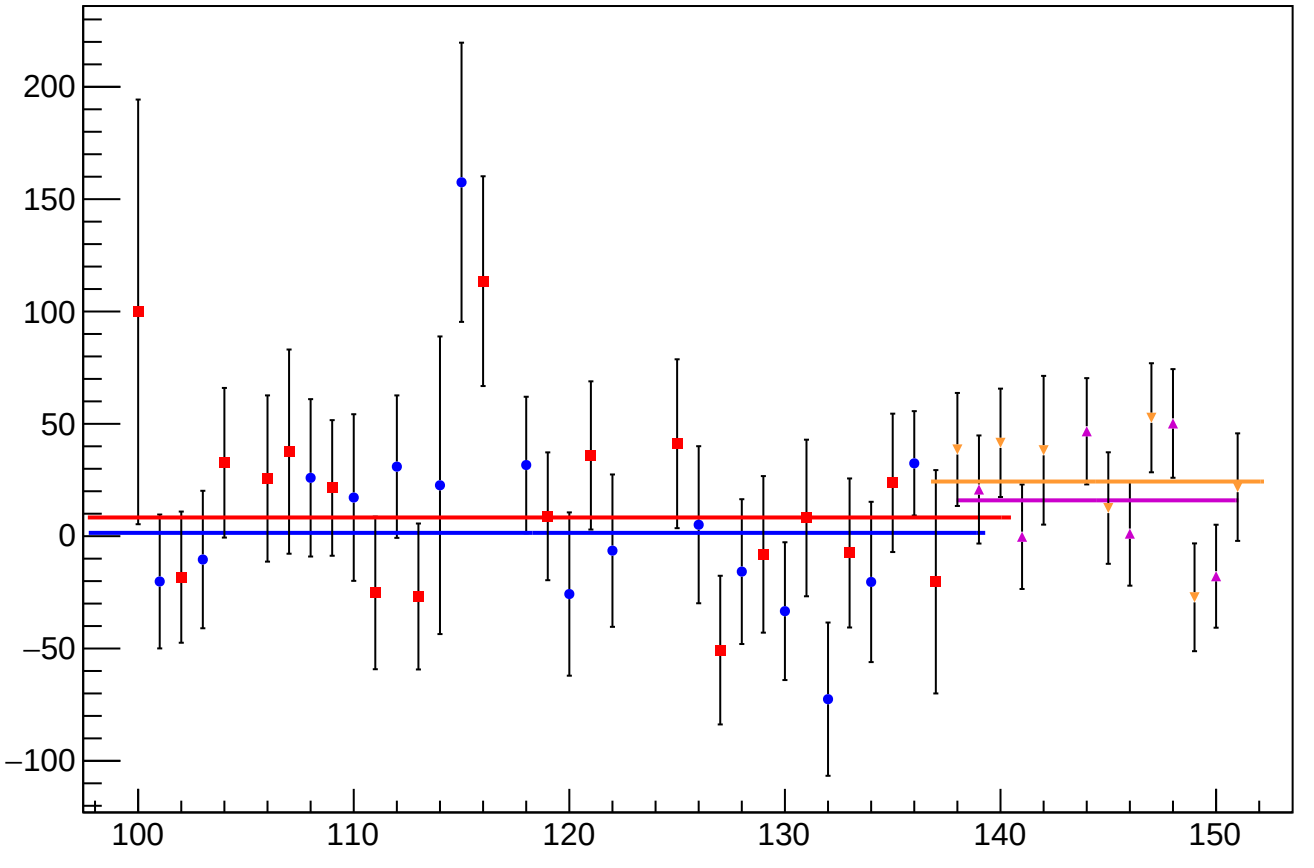
Left: 245.749+/-0.055 χ^2/NDF: 753315.8/12

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 211.236+/-0.044 χ^2/NDF:1380263.2/21

Out: 195.270+/-0.042 χ^2/NDF:2821834.1/24

All: 202.835+/-0.030 χ^2/NDF: 4271034.3/46



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 24.324+/-9.528 χ^2/NDF:7.2/6

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 15.950+/-9.604 χ^2/NDF:6.8/5

Left: 20.170+/-6.764 χ^2/NDF: 14.4/12

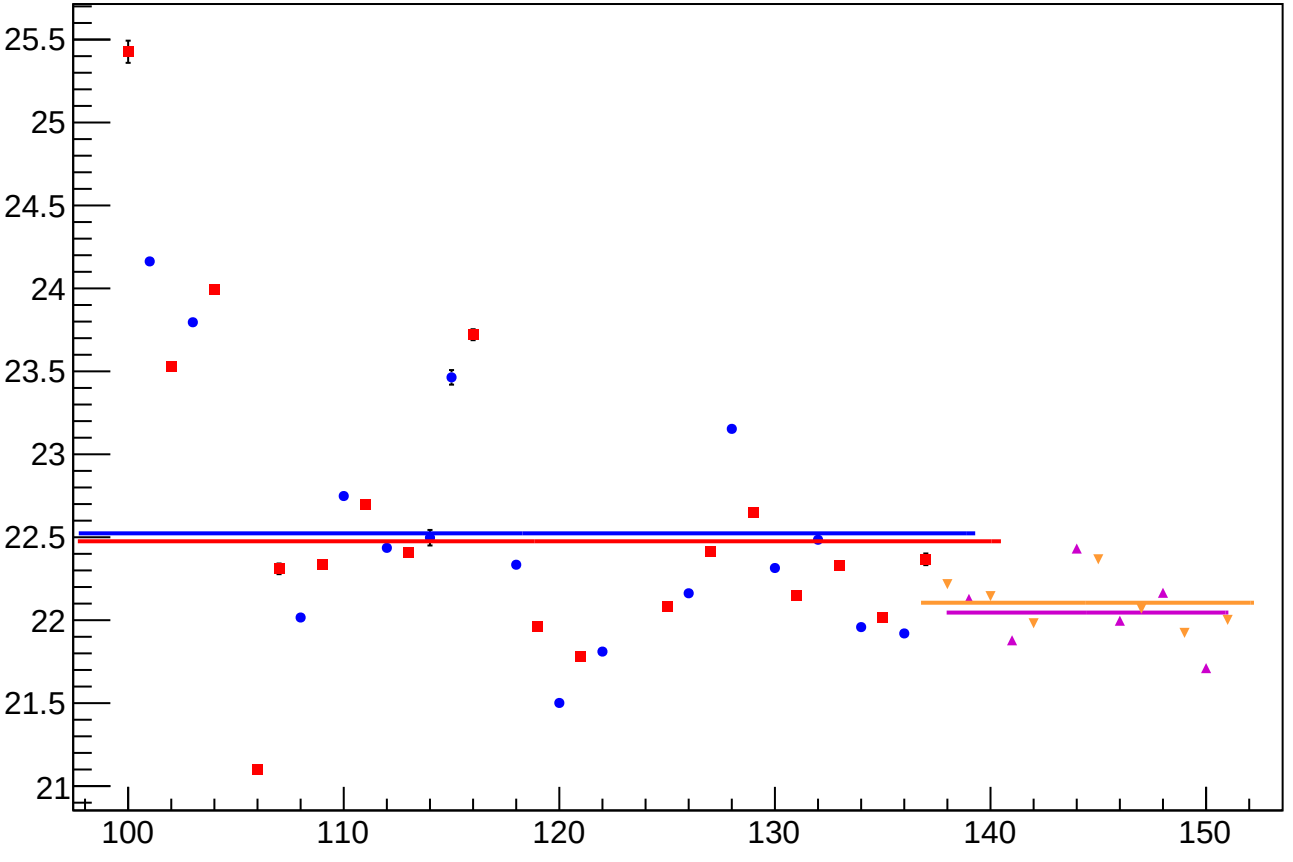
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 7.724+/-6.310 χ^2/NDF:26.8/21

Out: 15.216+/-6.252 χ^2/NDF:24.9/24

All: 11.505+/-4.441 χ^2/NDF: 52.3/46

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: 22.105+/-0.007 χ^2/NDF:452.0/6

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.046+/-0.007 χ^2/NDF:1144.1/5

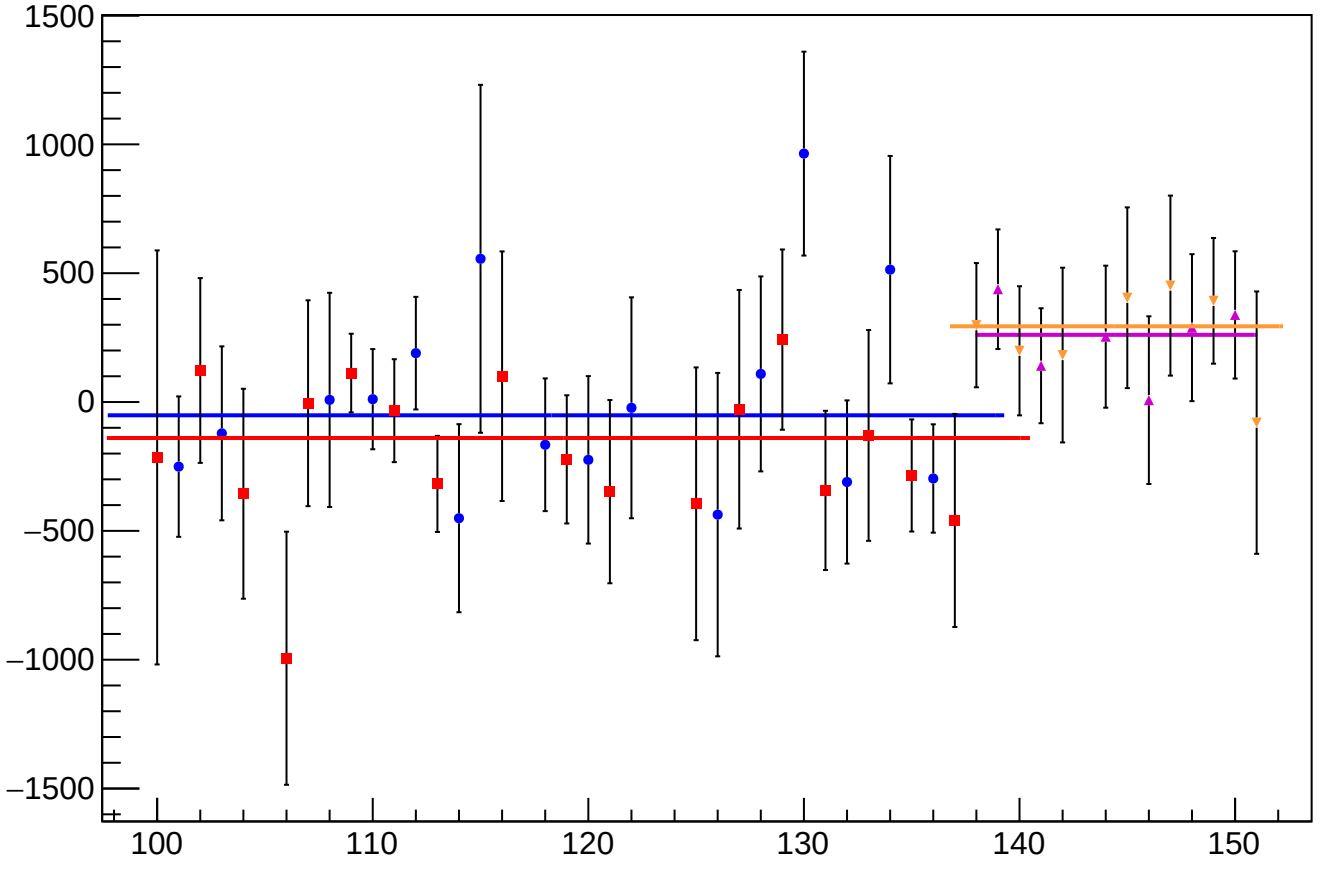
Left: 22.076+/-0.005 χ^2/NDF: 1634.6/12

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.317+/-0.004 χ^2/NDF:19903.3/21

Out: 22.316+/-0.004 χ^2/NDF:17709.4/24

All: 22.317+/-0.003 χ^2/NDF: 37612.7/46



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 293.941+/-112.625 χ^2/NDF:1.3/6

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 260.731+/-105.446 χ^2/NDF:1.6/5

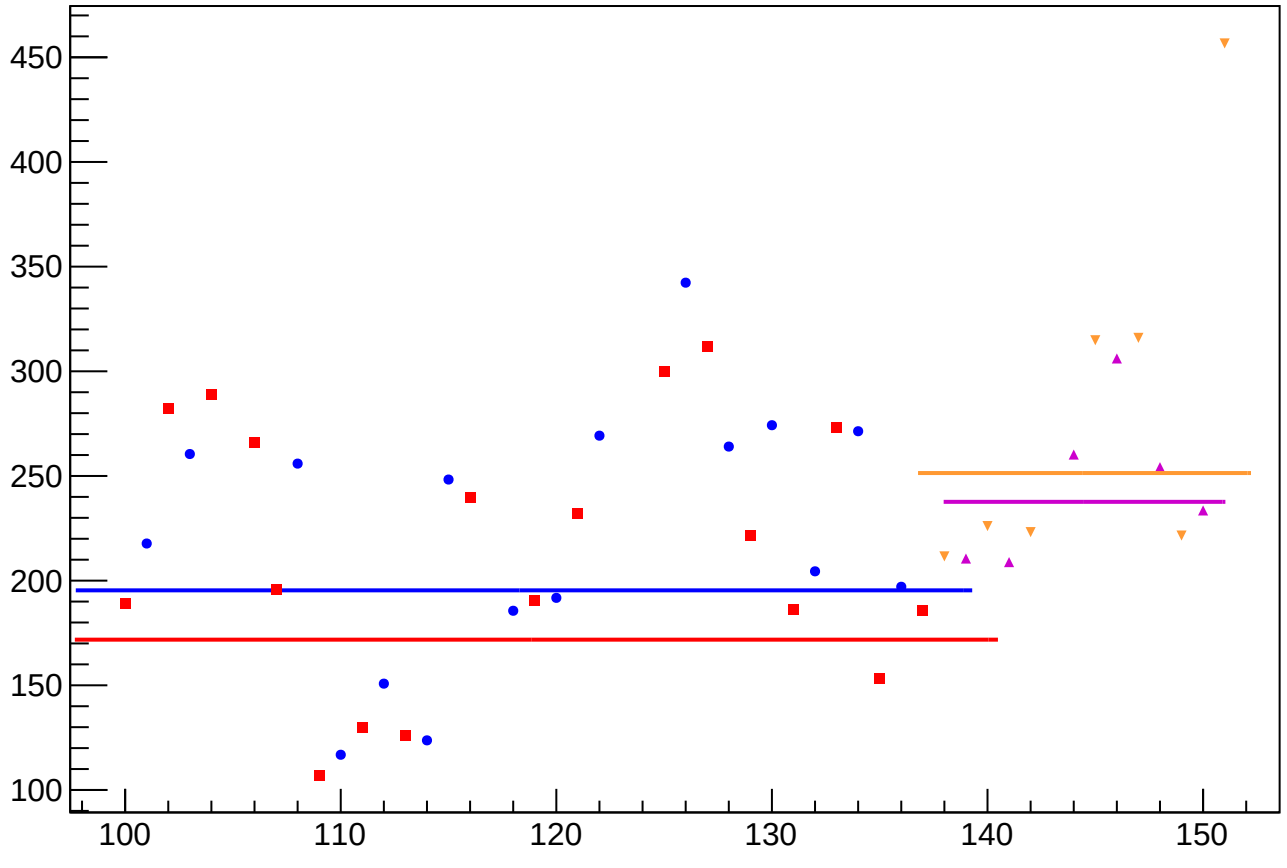
Left: 276.244+/-76.974 χ^2/NDF: 2.9/12

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 56.723+/-62.078 χ^2/NDF:22.7/21

Out: -21.522+/-58.767 χ^2/NDF:23.6/24

All: 15.458+/-42.677 χ^2/NDF: 47.1/46



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 251.398+/-0.080 χ^2/NDF:577660.2/6

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 237.641+/-0.075 χ^2/NDF:169884.4/5

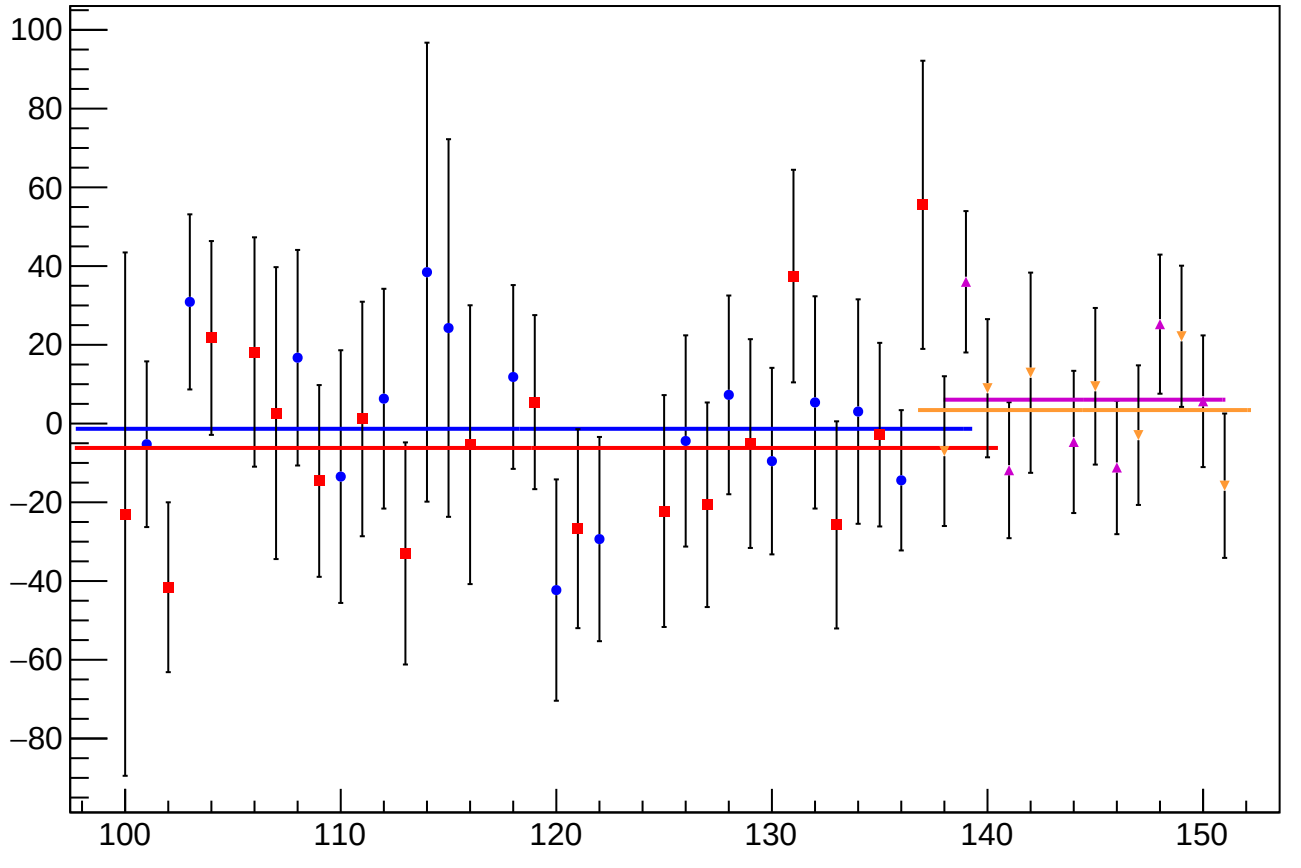
Left: 244.067+/-0.054 χ^2/NDF: 763447.9/12

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 210.015+/-0.044 χ^2/NDF:1421412.8/21

Out: 193.476+/-0.042 χ^2/NDF:2905244.2/24

All: 201.292+/-0.030 χ^2/NDF: 4401528.0/46



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.427+/-7.189 χ^2/NDF:3.0/6

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 6.063+/-7.110 χ^2/NDF:6.4/5

Left: 4.760+/-5.055 χ^2/NDF: 9.4/12

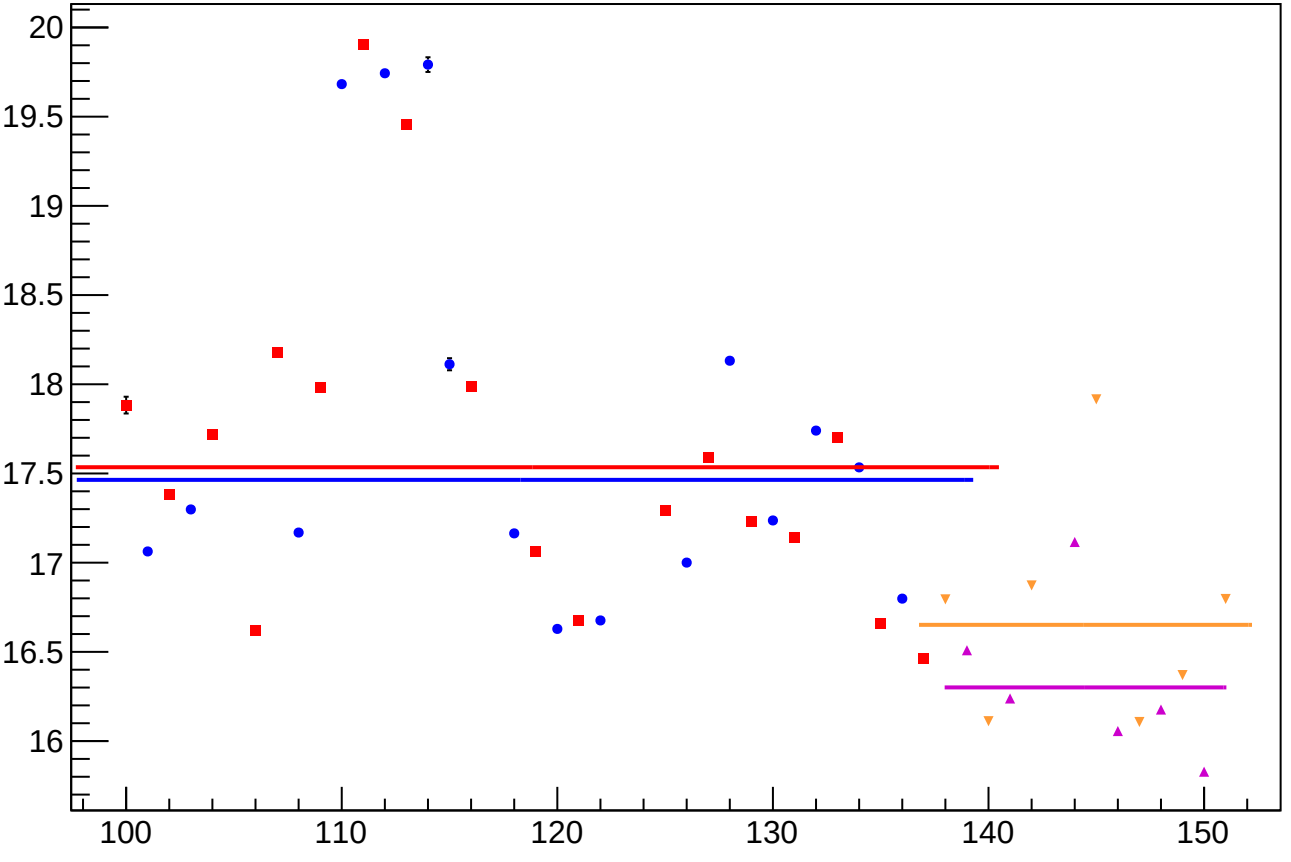
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.034+/-4.797 χ^2/NDF:15.0/21

Out: -1.887+/-4.810 χ^2/NDF:17.4/24

All: 0.079+/-3.397 χ^2/NDF: 32.8/46

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: 16.651+/-0.005 χ^2/NDF:12735.6/6

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.301+/-0.005 χ^2/NDF:6480.4/5

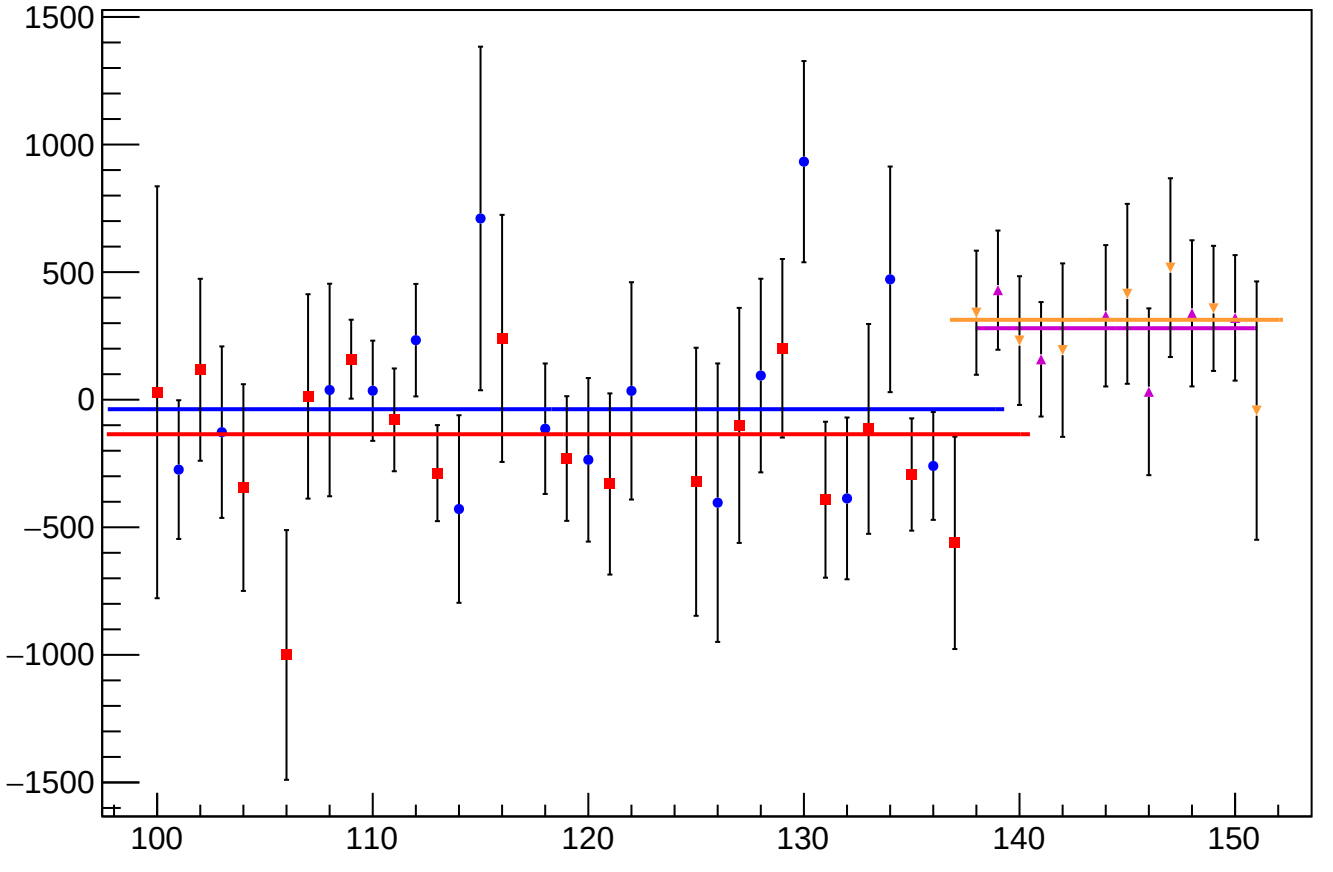
Left: 16.474+/-0.004 χ^2/NDF: 21622.5/12

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.935+/-0.003 χ^2/NDF:72306.8/21

Out: 17.139+/-0.003 χ^2/NDF:63892.8/24

All: 17.037+/-0.002 χ^2/NDF: 138018.3/46



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 313.170+/-113.230 χ^2/NDF:1.2/6

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 280.140+/-105.809 χ^2/NDF:1.4/5

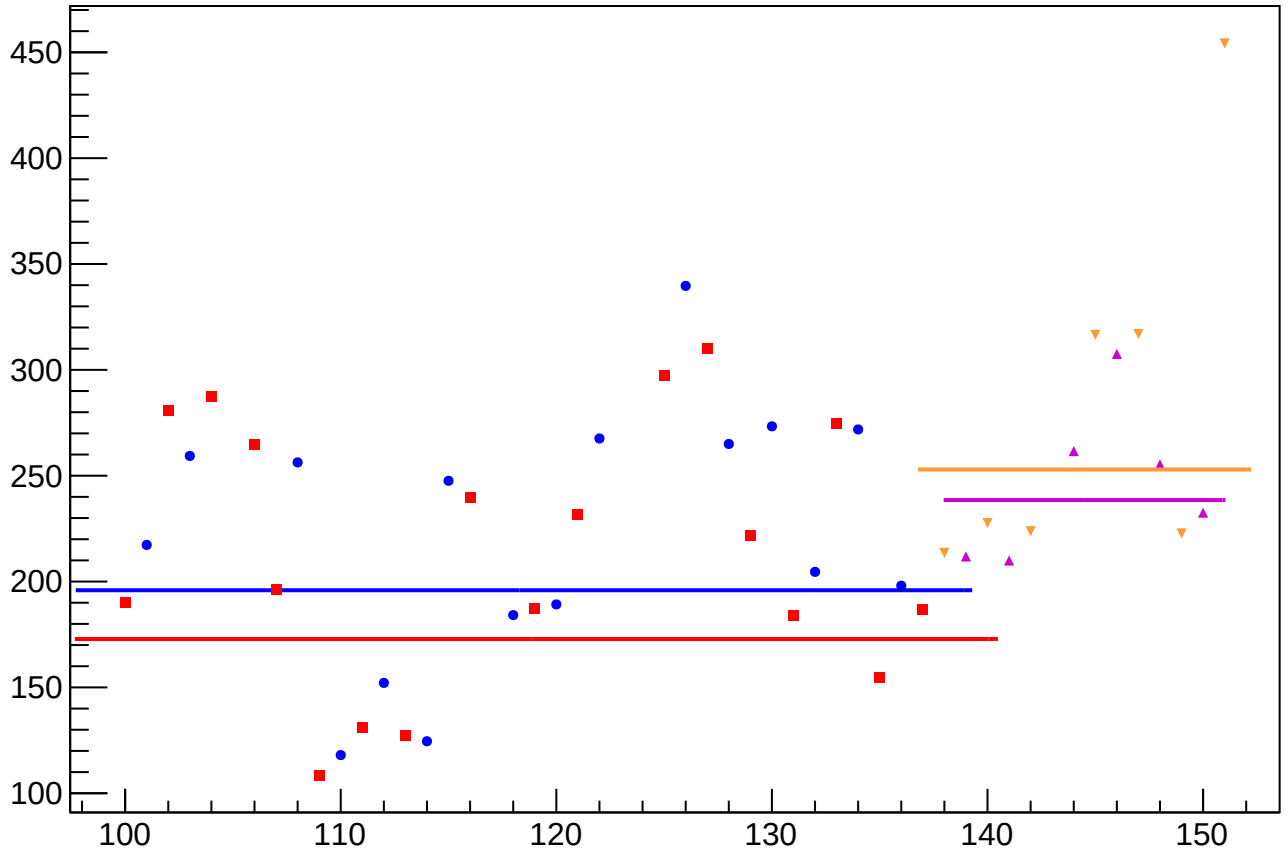
Left: 295.538+/-77.309 χ^2/NDF: 2.6/12

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 72.486+/-62.214 χ^2/NDF:22.9/21

Out: -13.440+/-59.020 χ^2/NDF:25.4/24

All: 27.260+/-42.818 χ^2/NDF: 49.3/46



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 252.932+/-0.080 χ^2/NDF:565477.6/6

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 238.492+/-0.075 χ^2/NDF:169648.3/5

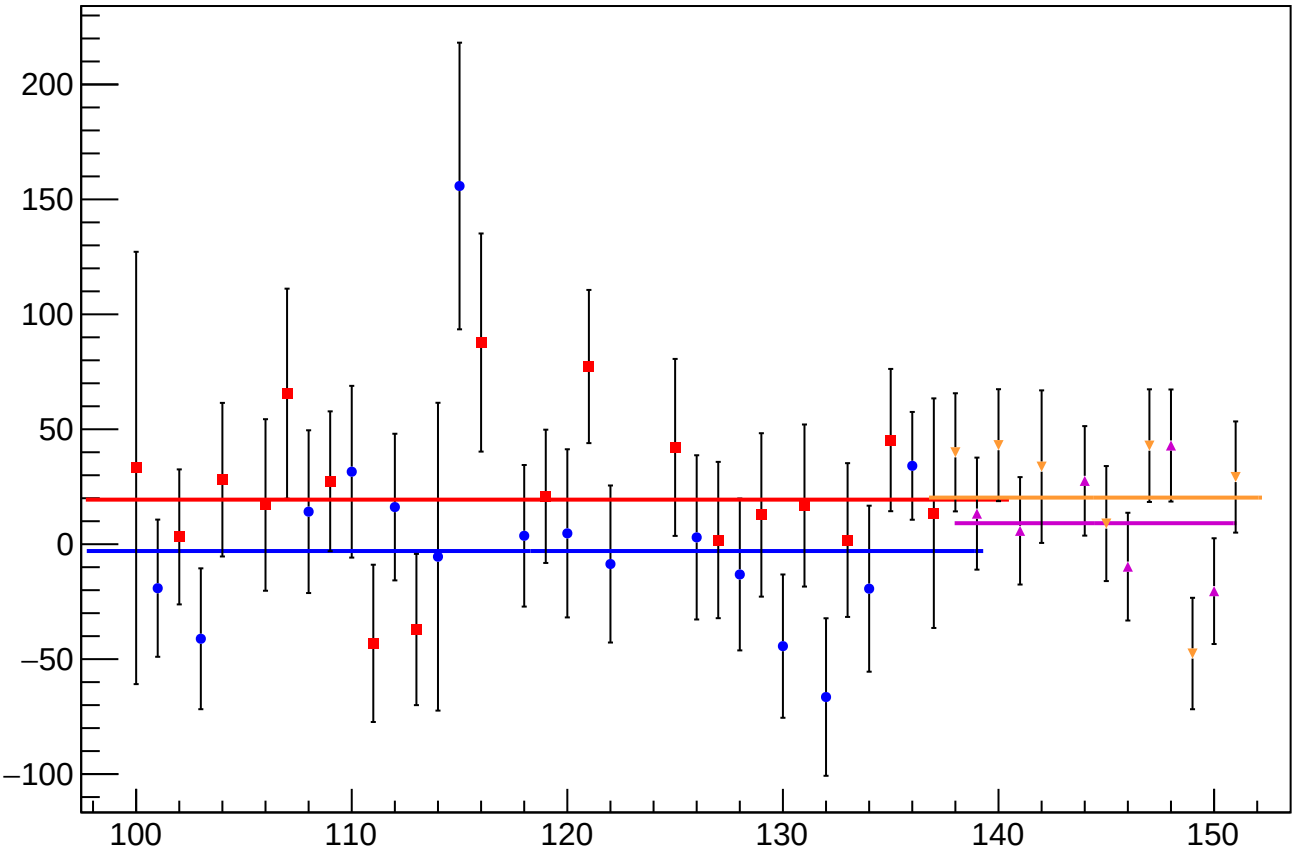
Left: 245.223+/-0.055 χ^2/NDF: 752489.7/12

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 210.625+/-0.044 χ^2/NDF:1392694.9/21

Out: 194.624+/-0.042 χ^2/NDF:2836930.3/24

All: 202.203+/-0.030 χ^2/NDF: 4299255.1/46



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 20.273+/-9.629 χ^2/NDF:10.7/6

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 9.139+/-9.680 χ^2/NDF:4.9/5

Left: 14.735+/-6.827 χ^2/NDF: 16.2/12

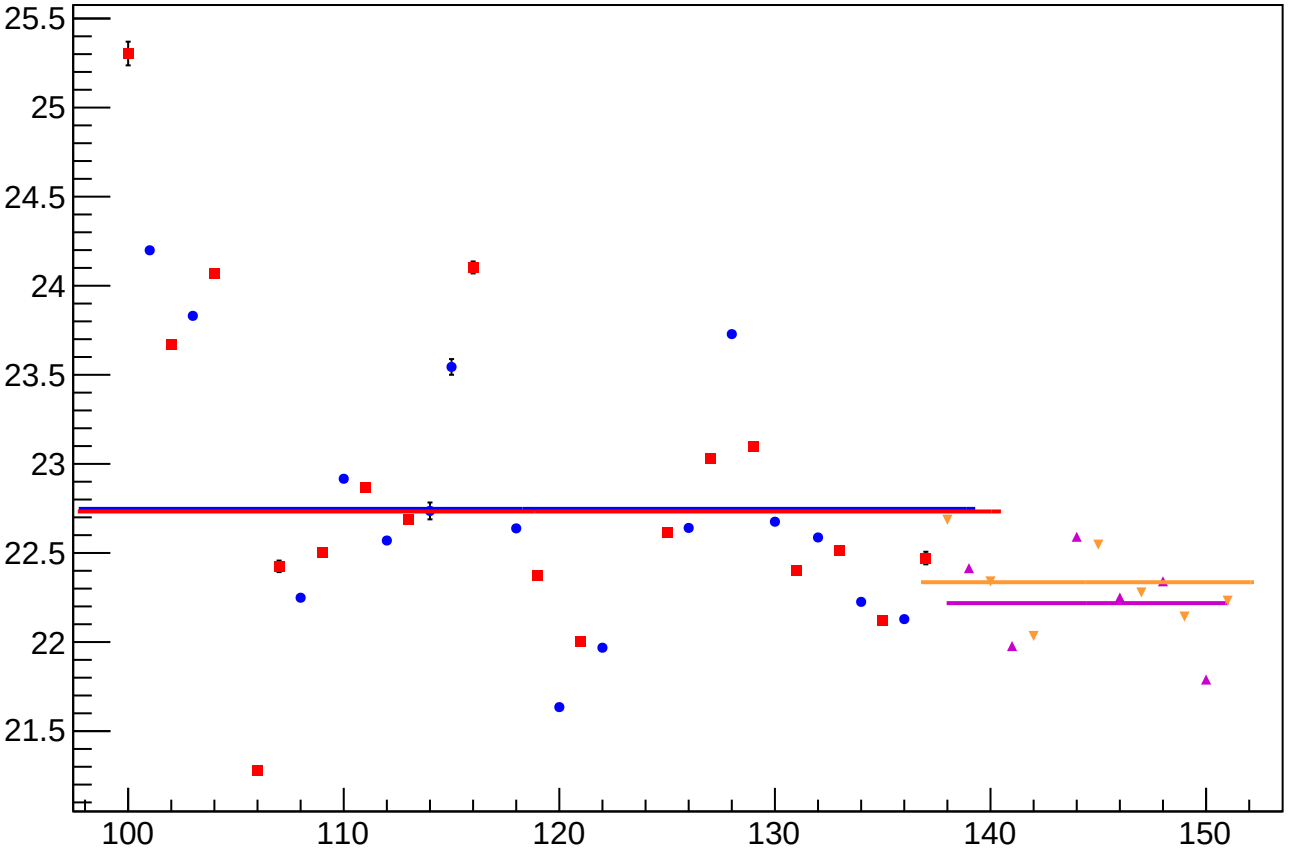
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 2.271+/-6.368 χ^2/NDF:23.7/21

Out: 19.769+/-6.322 χ^2/NDF:25.2/24

All: 11.083+/-4.486 χ^2/NDF: 52.7/46

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: 22.336+/-0.007 χ^2/NDF:854.3/6

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.219+/-0.007 χ^2/NDF:1581.3/5

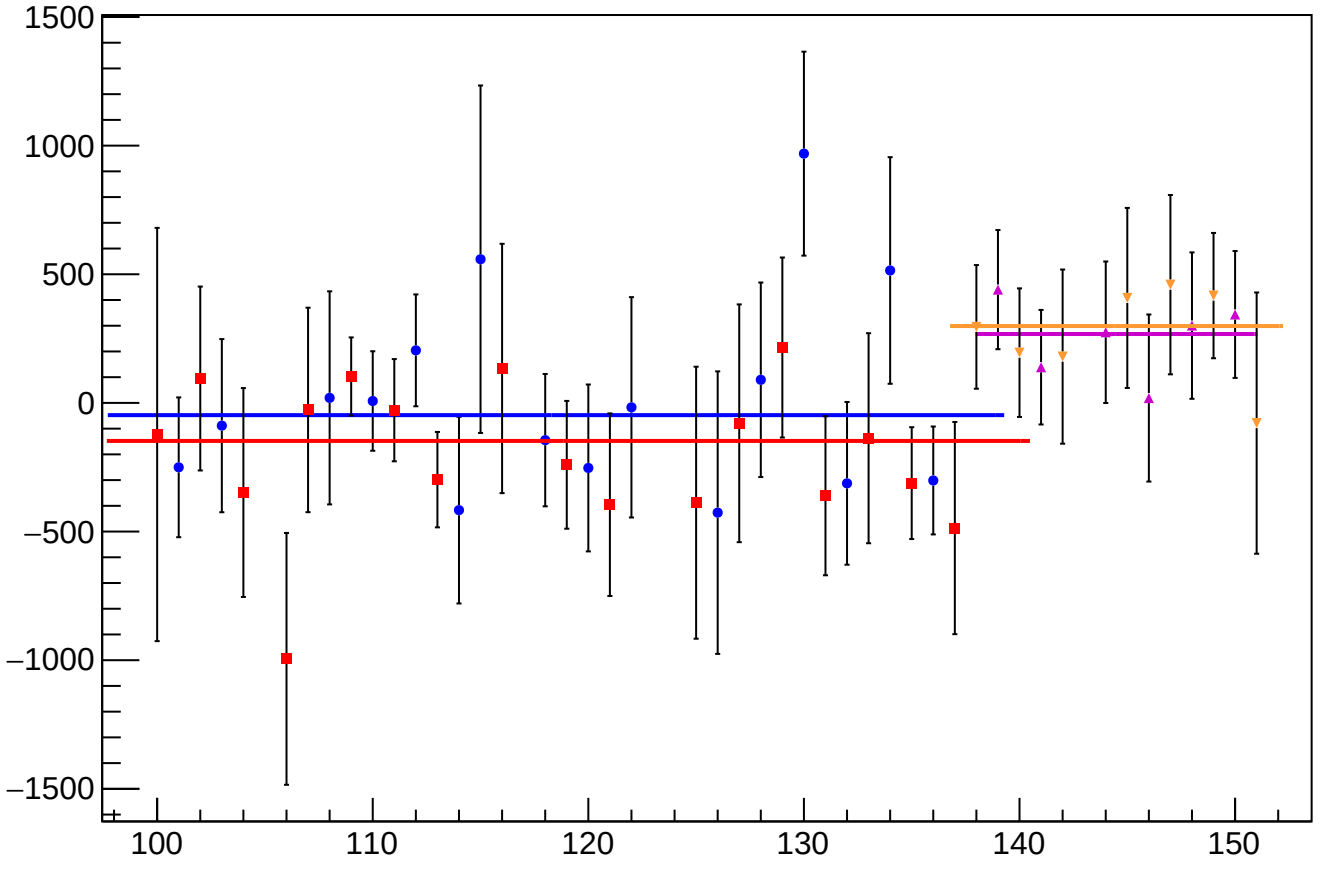
Left: 22.277+/-0.005 χ^2/NDF: 2583.3/12

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.519+/-0.005 χ^2/NDF:19592.1/21

Out: 22.562+/-0.004 χ^2/NDF:17178.9/24

All: 22.540+/-0.003 χ^2/NDF: 36817.2/46



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 298.743+/-112.376 χ^2/NDF:1.4/6

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 267.781+/-105.220 χ^2/NDF:1.6/5

Left: 282.245+/-76.807 χ^2/NDF: 3.0/12

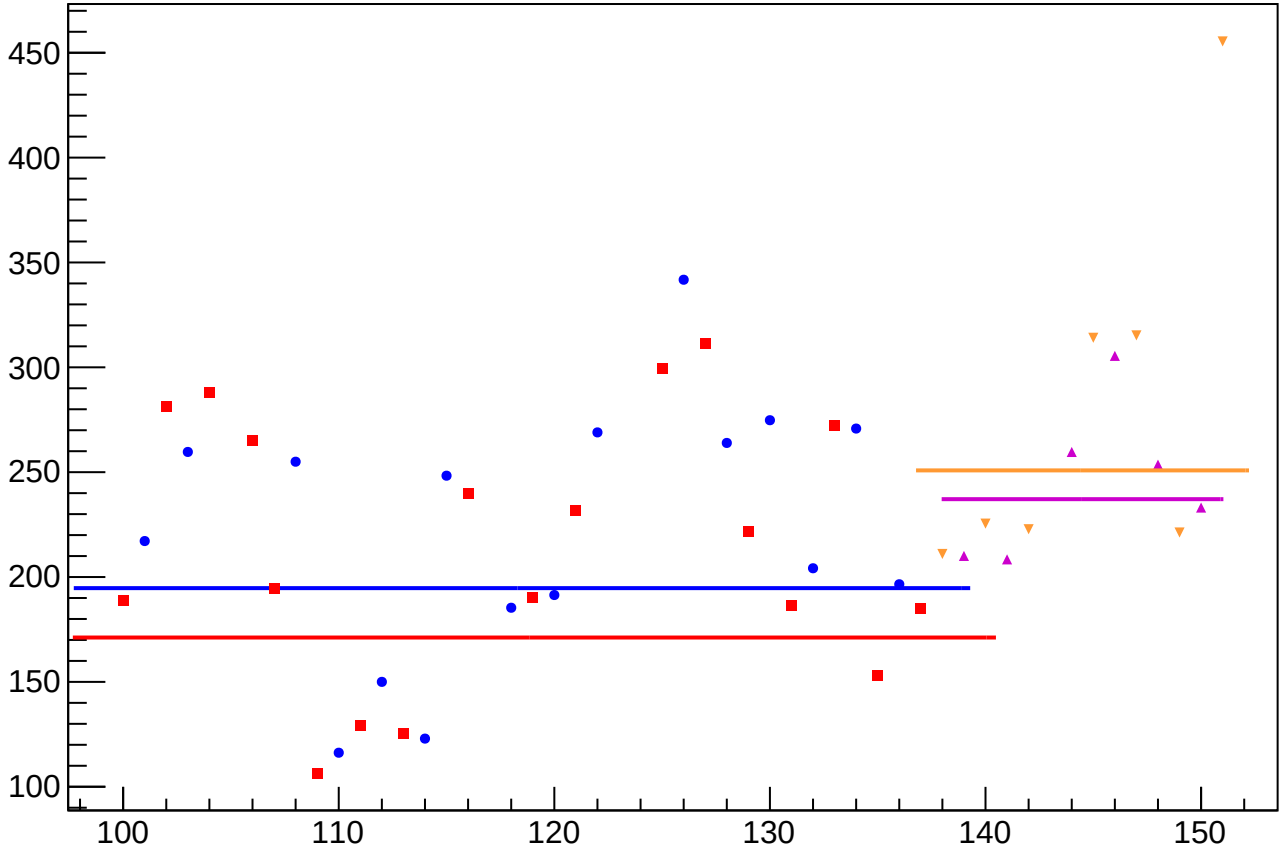
Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 61.644+/-61.912 χ^2/NDF:22.9/21

Out: -26.426+/-58.589 χ^2/NDF:24.4/24

All: 15.182+/-42.555 χ^2/NDF: 48.3/46

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 250.848+/-0.079 χ^2/NDF:577082.4/6

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 237.131+/-0.074 χ^2/NDF:169740.2/5

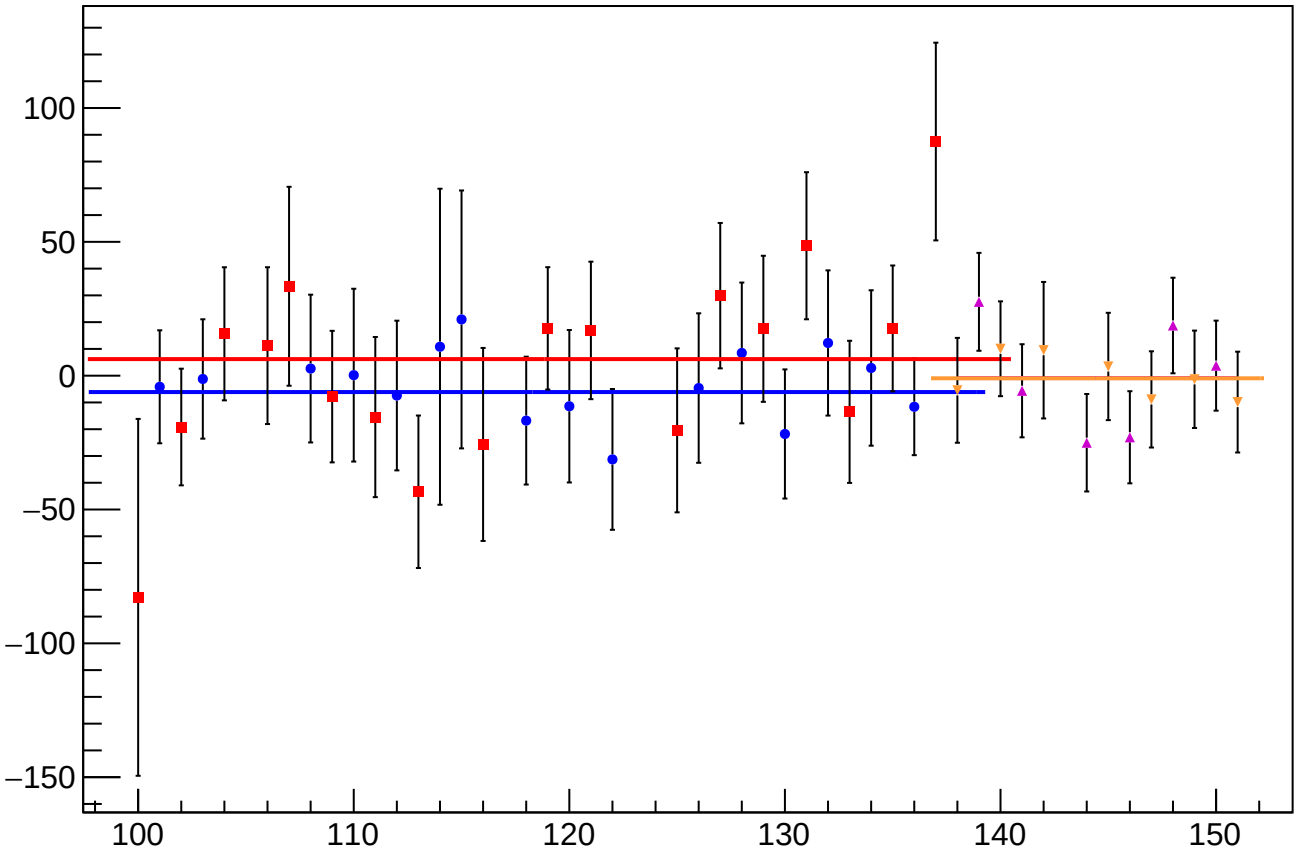
Left: 243.539+/-0.054 χ^2/NDF: 762701.9/12

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 209.396+/-0.044 χ^2/NDF:1434581.7/21

Out: 192.819+/-0.041 χ^2/NDF:2921420.8/24

All: 200.651+/-0.030 χ^2/NDF: 4431645.0/46



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -0.976+/-7.302 χ^2/NDF:1.1/6

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: -0.892+/-7.187 χ^2/NDF:7.2/5

Left: -0.933+/-5.122 χ^2/NDF: 8.3/12

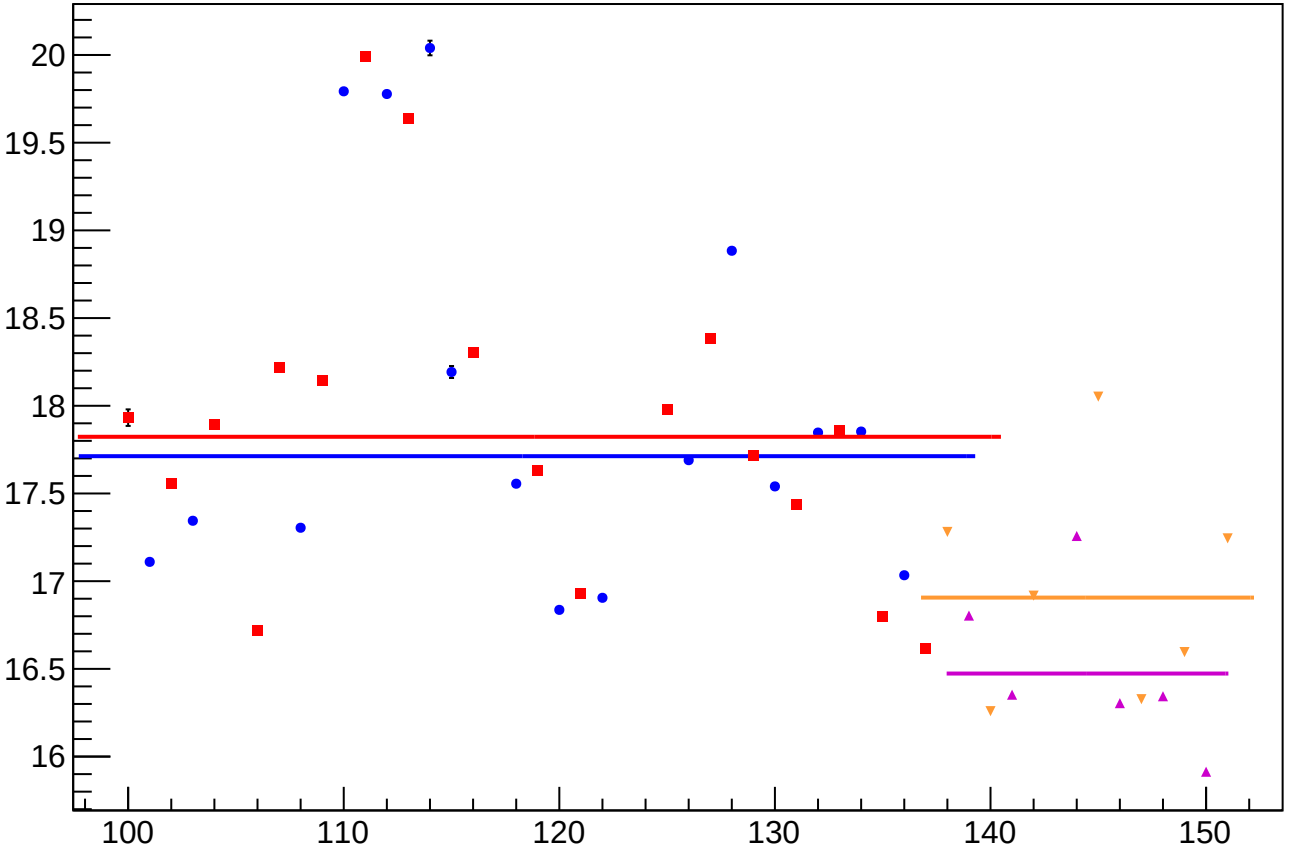
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -3.731+/-4.858 χ^2/NDF:10.6/21

Out: 2.981+/-4.888 χ^2/NDF:20.2/24

All: -0.396+/-3.446 χ^2/NDF: 31.8/46

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.906+/-0.005 χ^2/NDF:13238.3/6

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.473+/-0.005 χ^2/NDF:6971.4/5

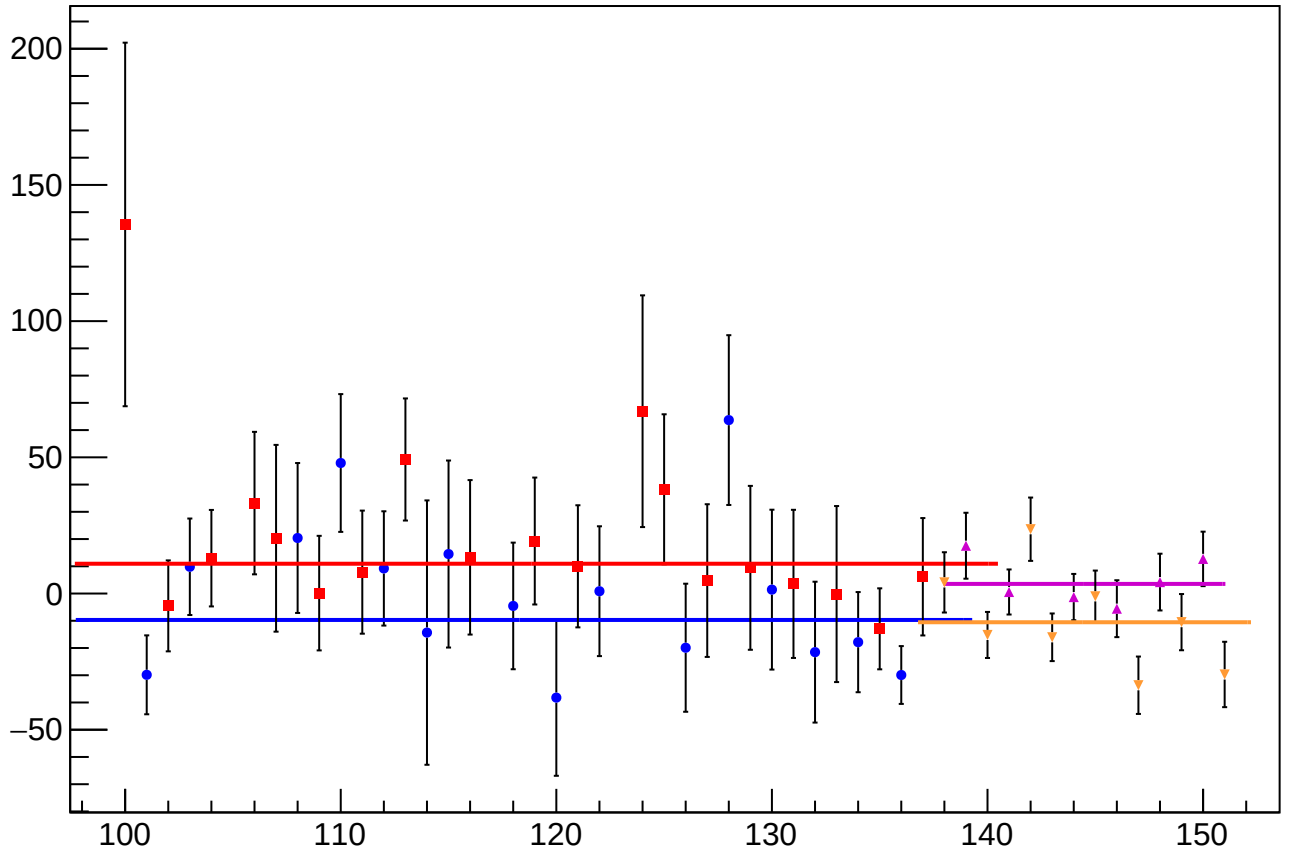
Left: 16.686+/-0.004 χ^2/NDF: 23782.6/12

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.146+/-0.003 χ^2/NDF:75250.7/21

Out: 17.412+/-0.003 χ^2/NDF:63139.3/24

All: 17.279+/-0.002 χ^2/NDF: 141368.0/46



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.543+/-3.554 χ^2/NDF:19.5/7

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 3.532+/-3.963 χ^2/NDF:3.4/5

Left: -4.269+/-2.646 χ^2/NDF: 29.9/13

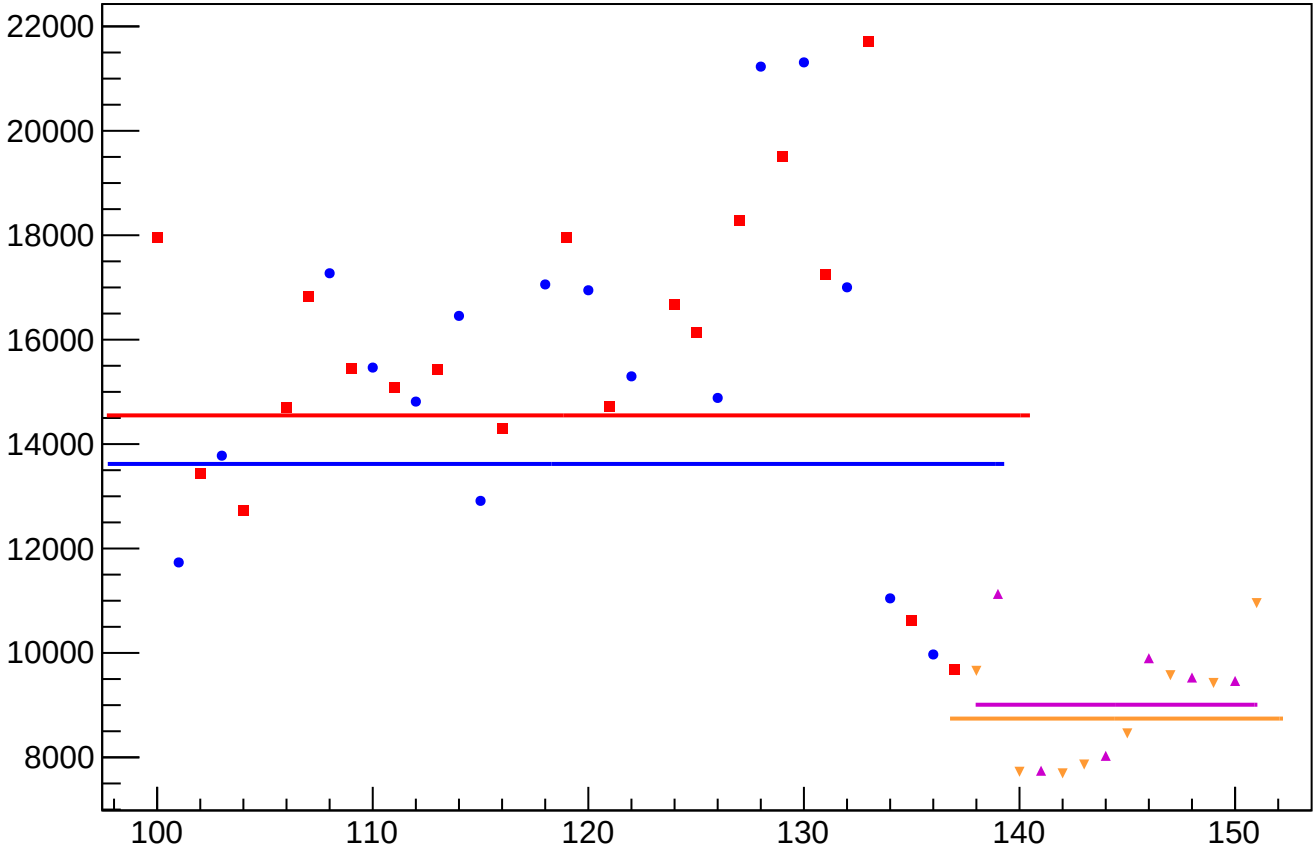
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -1.293+/-3.159 χ^2/NDF:29.5/21

Out: -4.111+/-2.975 χ^2/NDF:44.5/26

All: -2.787+/-2.166 χ^2/NDF: 74.4/48

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8742.673+/-2.513 χ^2/NDF:170136.8/7

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9007.968+/-2.802 χ^2/NDF:158479.3/5

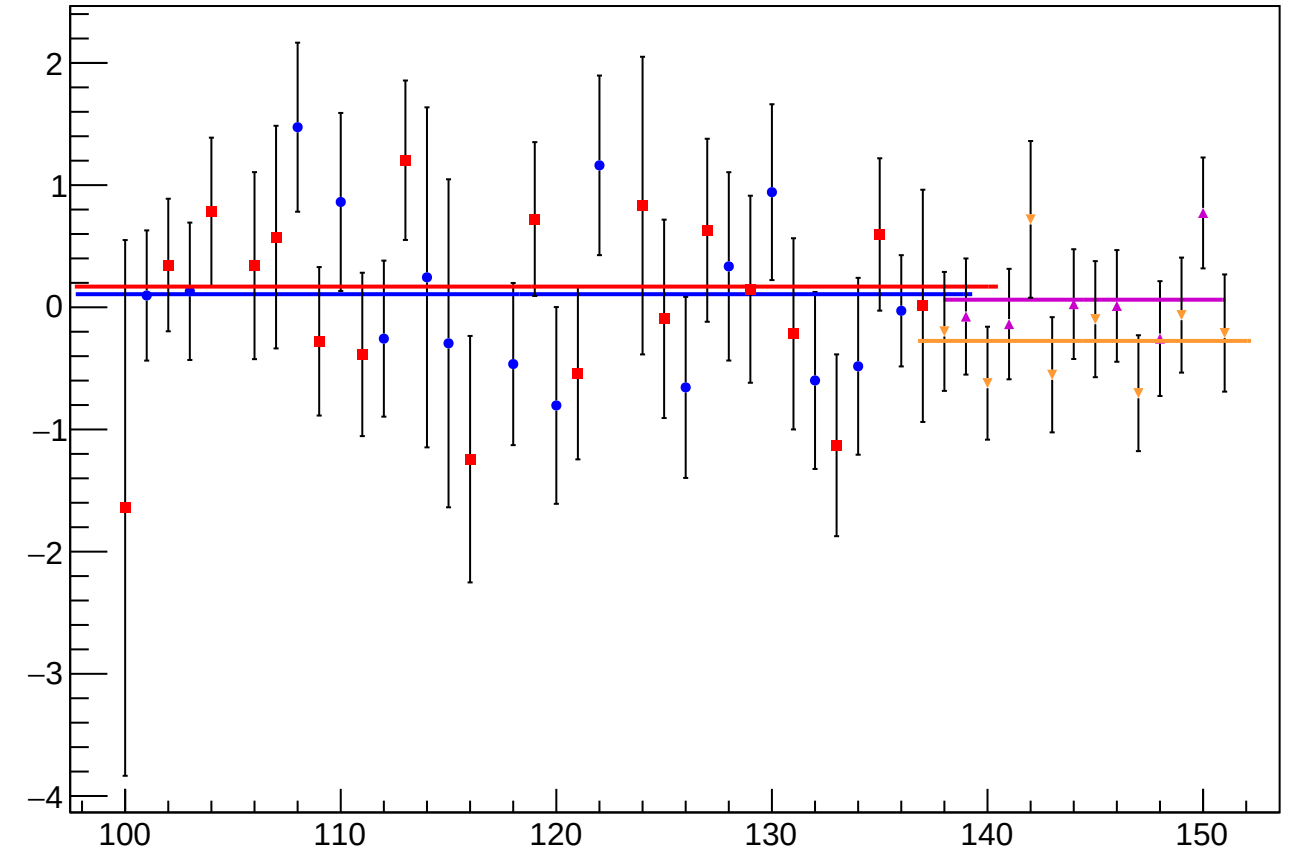
Left: 8860.932+/-1.871 χ^2/NDF: 333584.2/13

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10689.420+/-2.234 χ^2/NDF:1893115.3/21

Out: 10481.369+/-2.103 χ^2/NDF:2324868.8/26

All: 10579.153+/-1.531 χ^2/NDF: 4222582.5/4



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.275+/-0.173 χ^2/NDF:4.5/7

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.062+/-0.187 χ^2/NDF:3.2/5

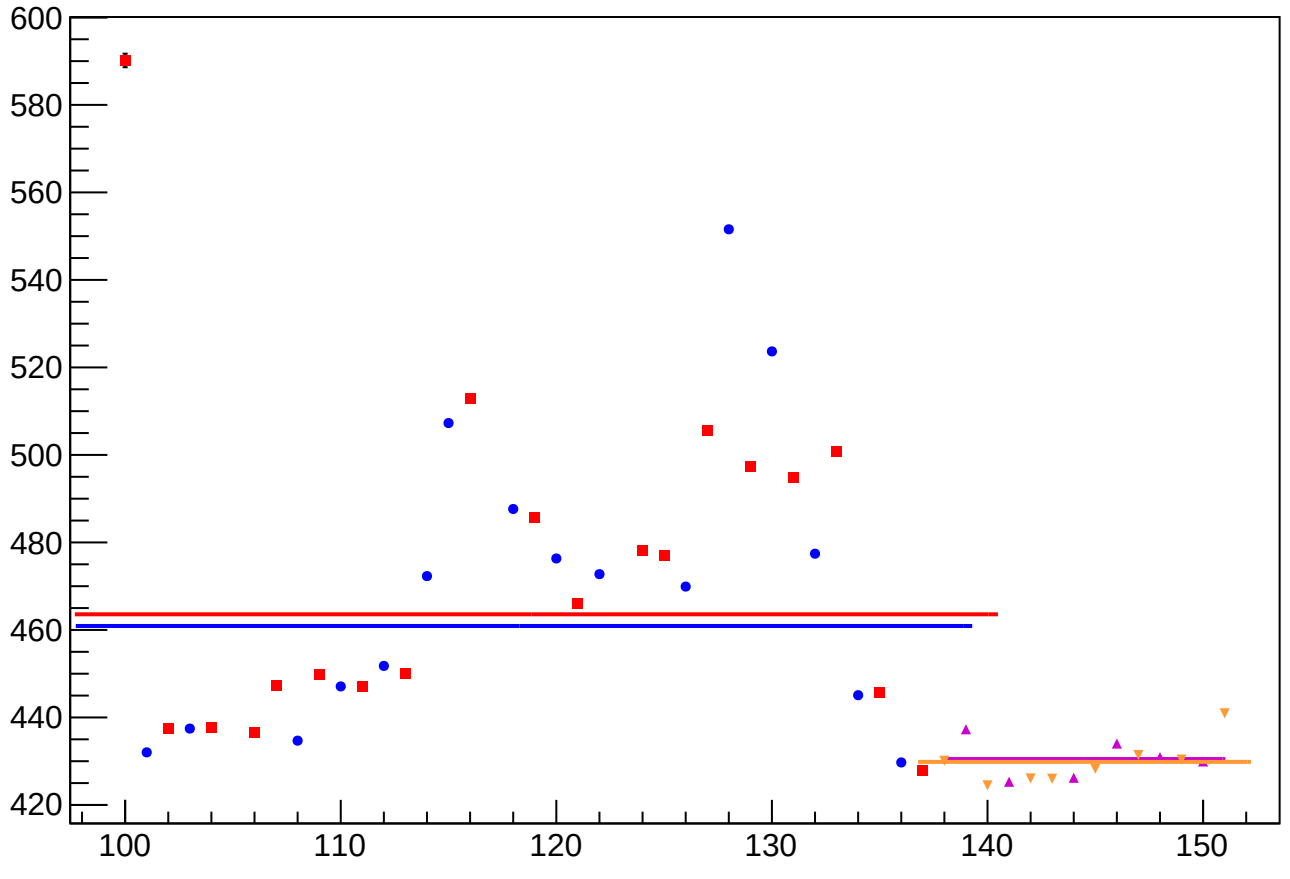
Left: -0.120+/-0.127 χ^2/NDF: 9.5/13

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.087+/-0.127 χ^2/NDF:16.9/21

Out: -0.049+/-0.121 χ^2/NDF:22.0/26

All: 0.016+/-0.087 χ^2/NDF: 39.5/48



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.845+/-0.122 χ^2/NDF:1589.2/7

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.490+/-0.133 χ^2/NDF:979.4/5

Left: 430.141+/-0.090 χ^2/NDF: 2581.4/13

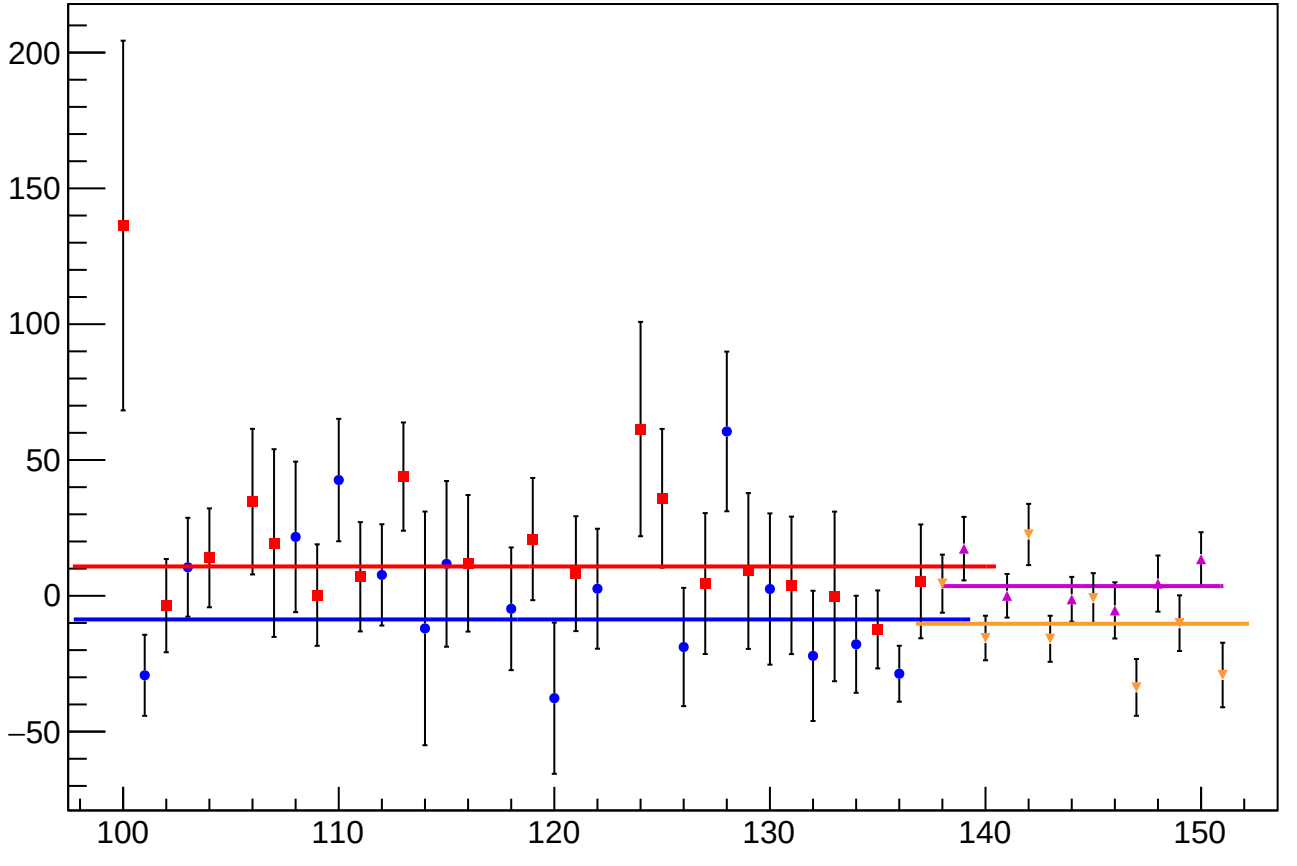
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 447.032+/-0.090 χ^2/NDF:104536.5/21

Out: 447.023+/-0.086 χ^2/NDF:92651.7/26

All: 447.027+/-0.062 χ^2/NDF: 197188.2/48

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.294+/-3.470 χ^2/NDF:19.8/7

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 3.572+/-3.881 χ^2/NDF:3.7/5

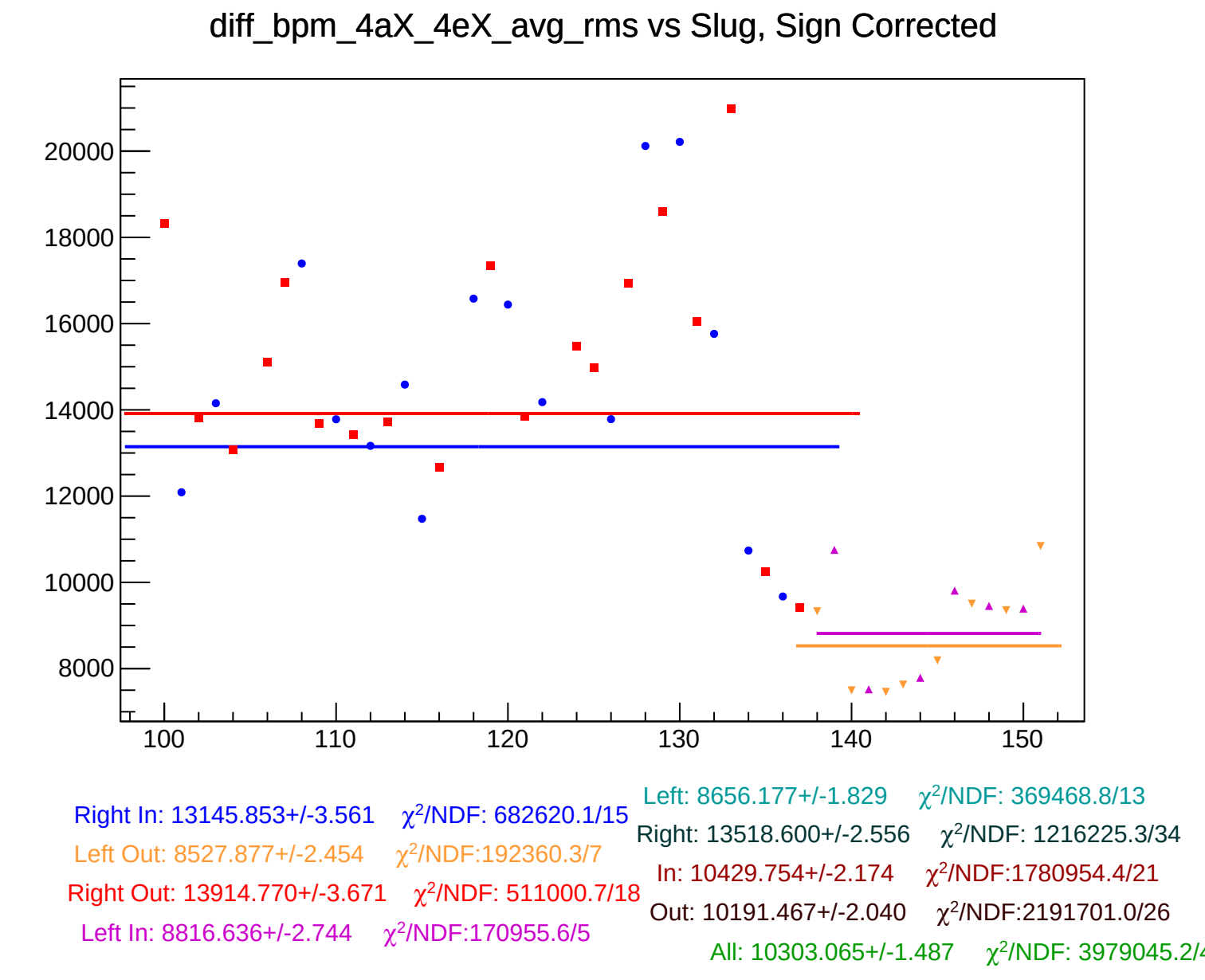
Left: -4.133+/-2.587 χ^2/NDF: 30.6/13

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

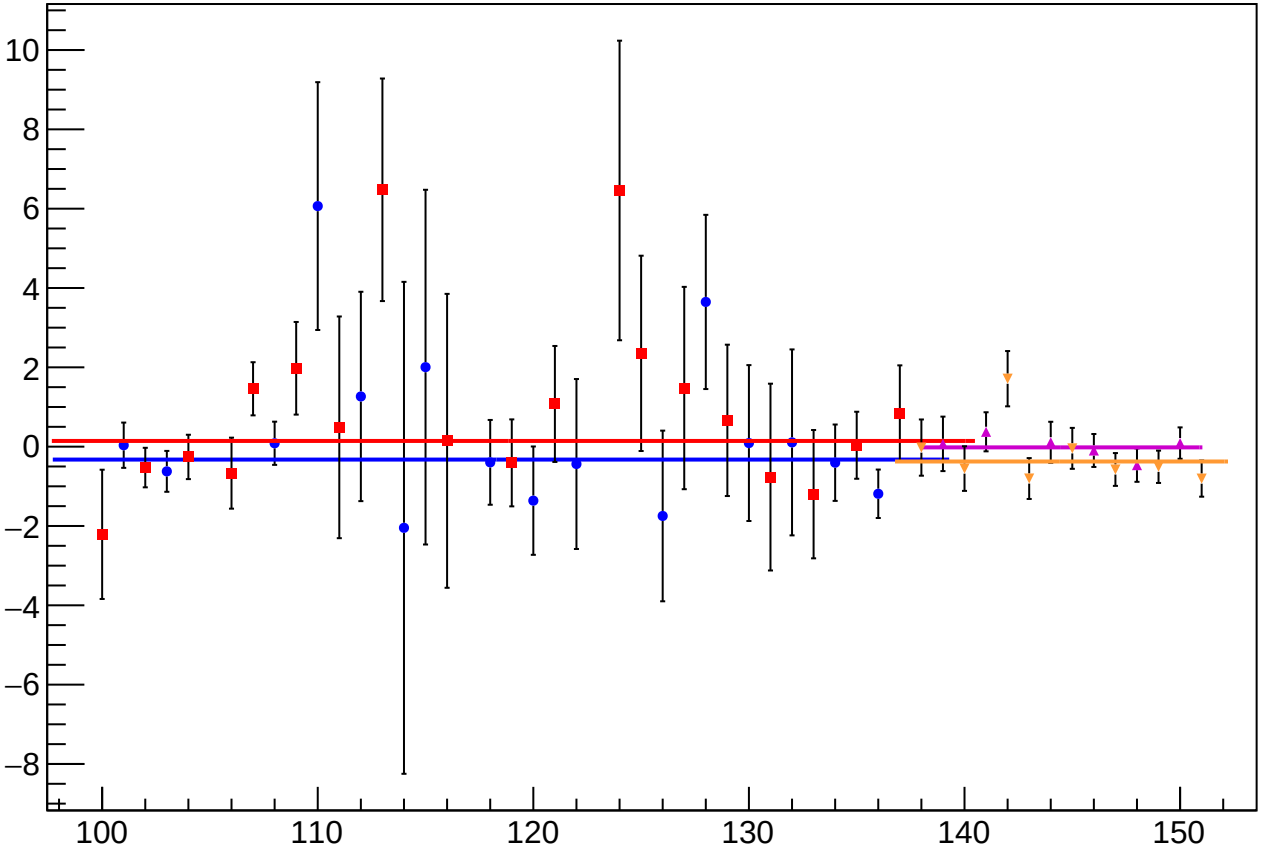
In: -1.003+/-3.074 χ^2/NDF:29.7/21

Out: -3.778+/-2.885 χ^2/NDF:45.1/26

All: -2.478+/-2.104 χ^2/NDF: 75.3/48


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8527.877+/-2.454 χ²/NDF:192360.3/7
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8816.636+/-2.744 χ²/NDF:170955.6/5
Left: 8656.177+/-1.829 χ²/NDF: 369468.8/13
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10429.754+/-2.174 χ²/NDF:1780954.4/21
Out: 10191.467+/-2.040 χ²/NDF:2191701.0/26
All: 10303.065+/-1.487 χ²/NDF: 3979045.2/4

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.374+/-0.178 χ^2/NDF:11.7/7

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: -0.018+/-0.190 χ^2/NDF:2.0/5

Left: -0.207+/-0.130 χ^2/NDF: 15.5/13

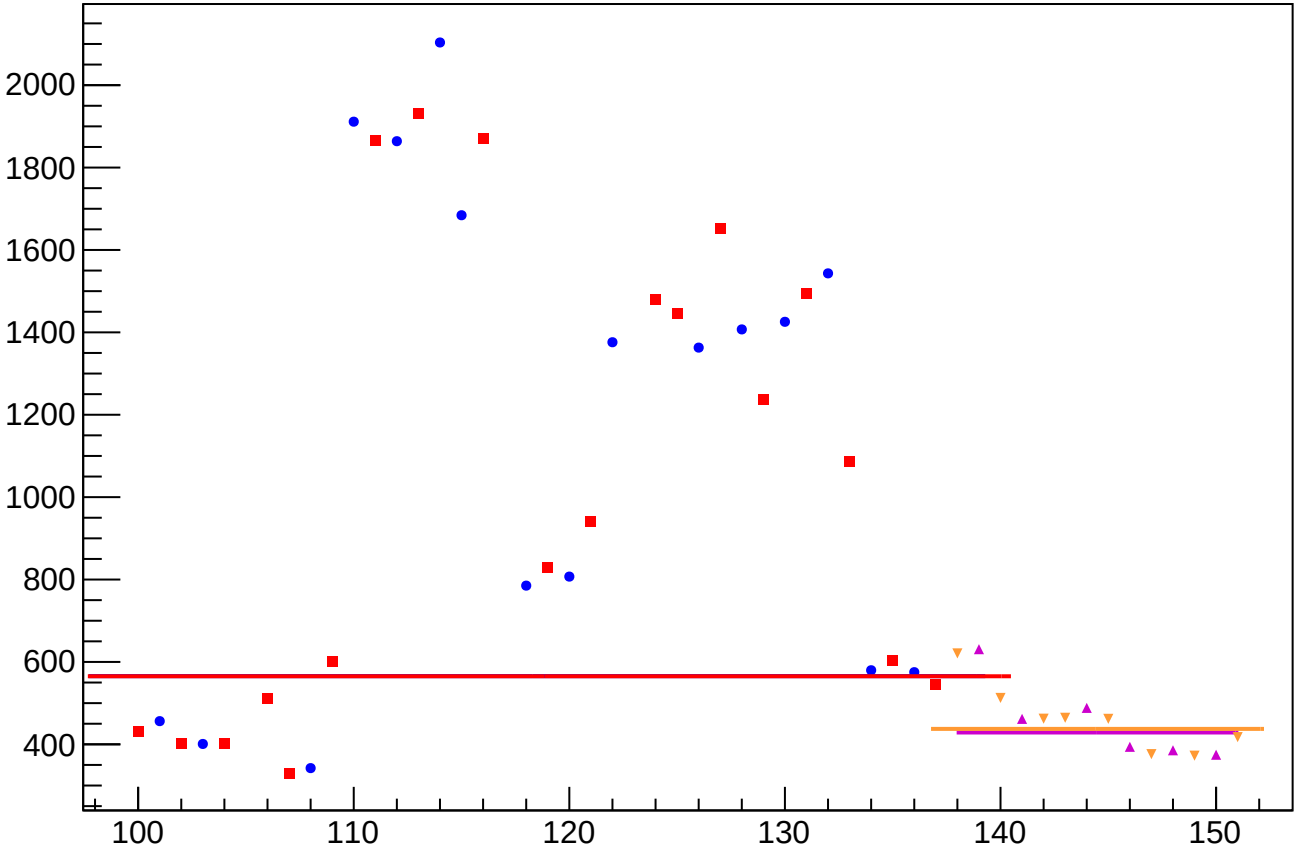
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.134+/-0.150 χ^2/NDF:15.5/21

Out: -0.194+/-0.144 χ^2/NDF:37.1/26

All: -0.165+/-0.104 χ^2/NDF: 52.7/48

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 437.502+/-0.126 χ^2/NDF:280550.8/7

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 428.735+/-0.134 χ^2/NDF:281474.9/5

Left: 433.384+/-0.092 χ^2/NDF: 564293.6/13

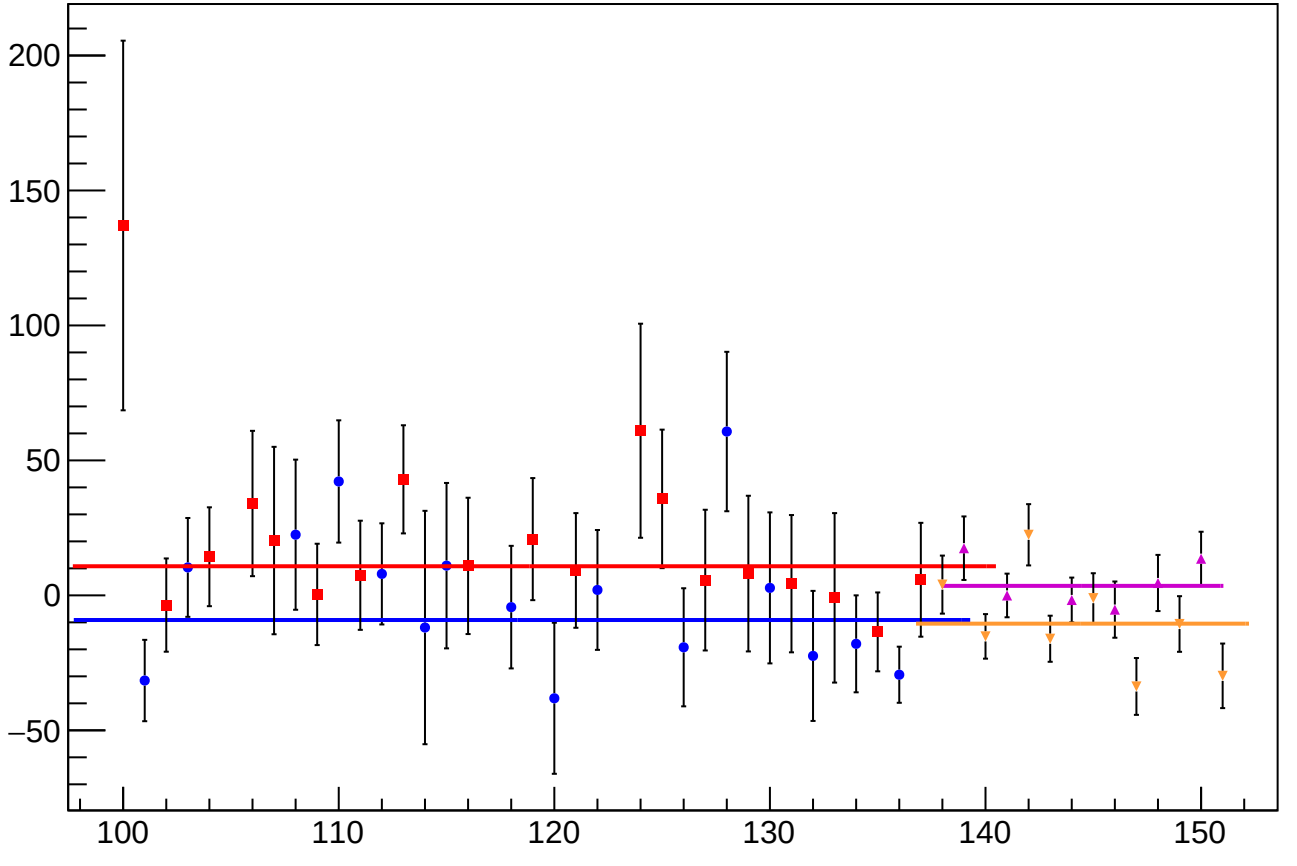
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 480.201+/-0.106 χ^2/NDF:4123731.6/21

Out: 481.916+/-0.102 χ^2/NDF:4208528.9/26

All: 481.092+/-0.073 χ^2/NDF: 8332396.8/48

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.483+/-3.492 χ^2/NDF:19.5/7

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 3.520+/-3.906 χ^2/NDF:3.7/5

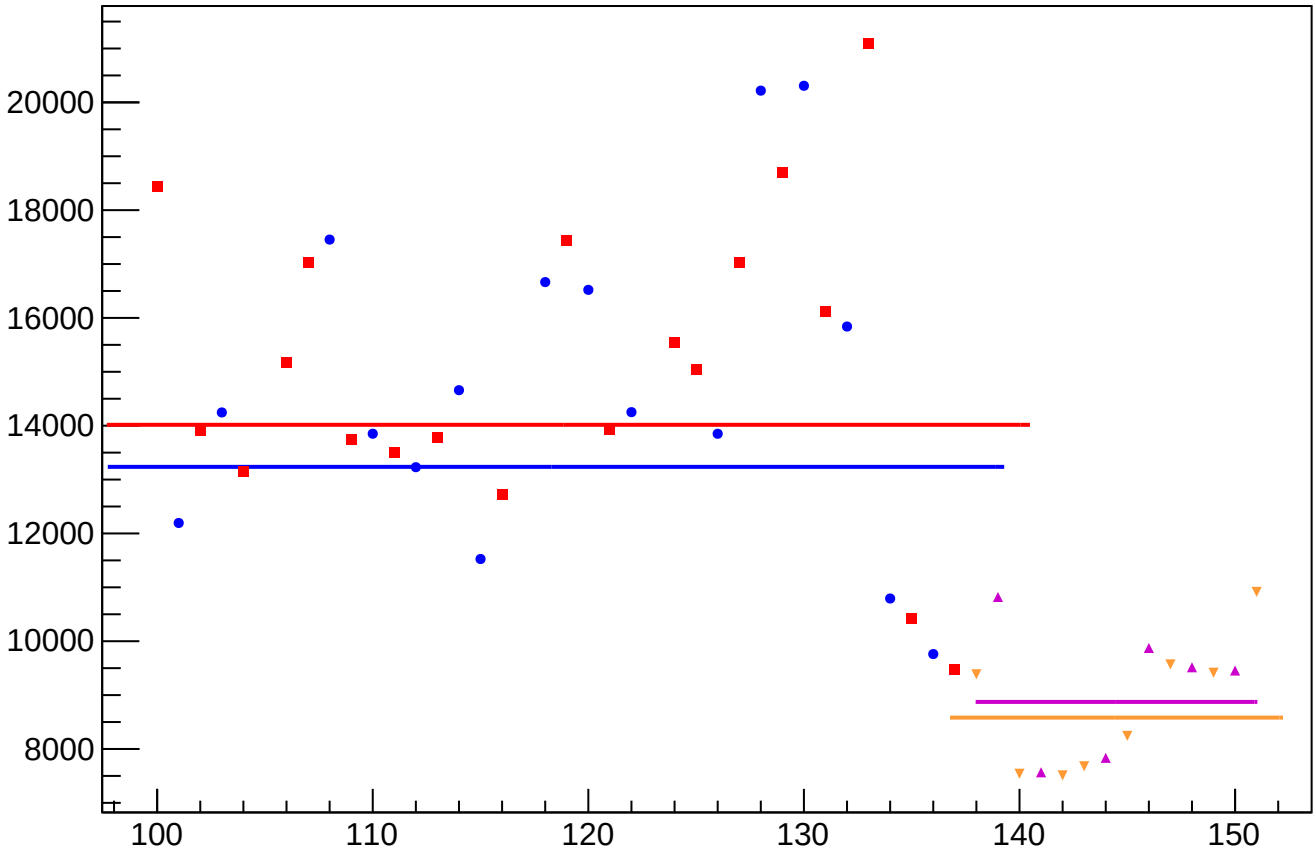
Left: -4.262+/-2.603 χ^2/NDF: 30.4/13

Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -1.193+/-3.094 χ^2/NDF:30.4/21

Out: -3.919+/-2.904 χ^2/NDF:44.7/26

All: -2.642+/-2.117 χ^2/NDF: 75.5/48



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8582.302+/-2.470 χ^2/NDF:192735.9/7

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 8873.422+/-2.762 χ^2/NDF:171274.1/5

Left: 8711.644+/-1.841 χ^2/NDF: 370184.2/13

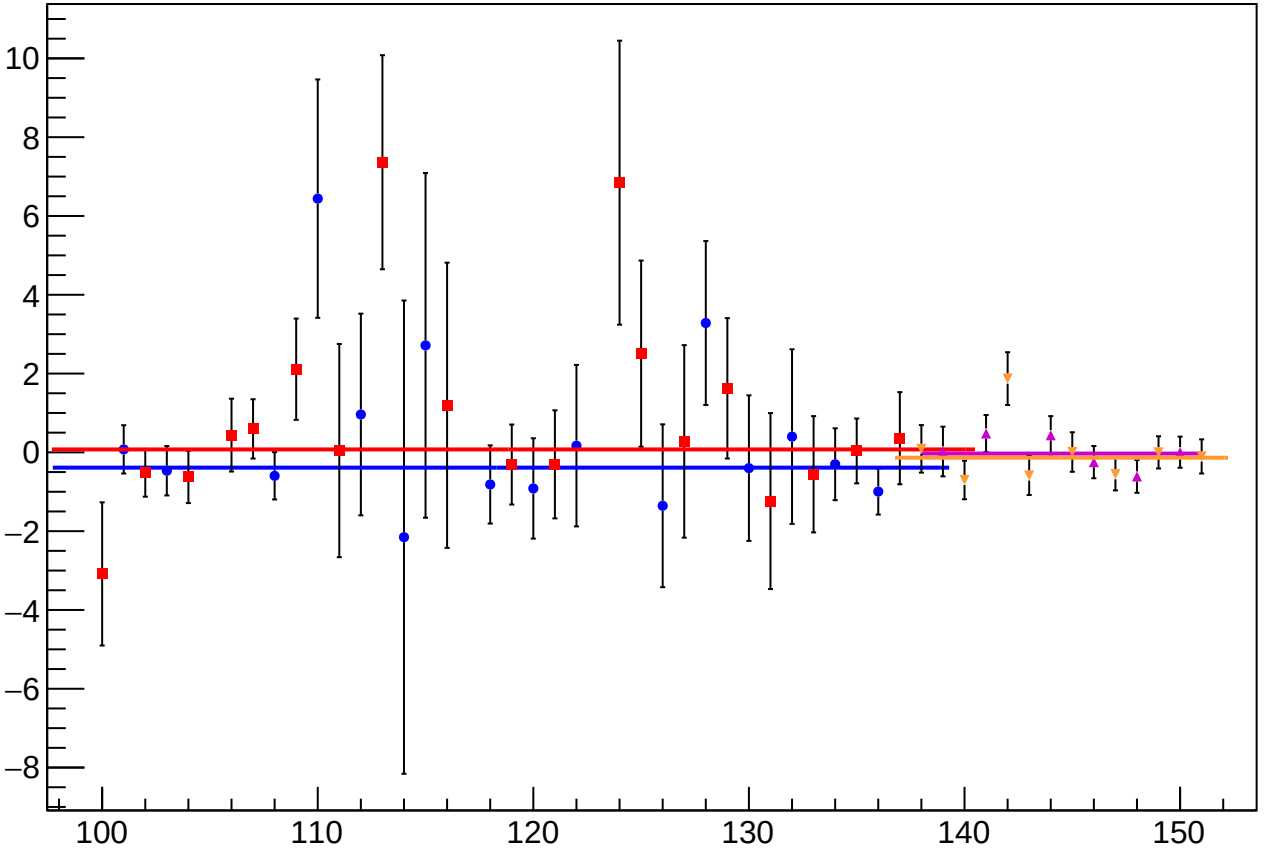
Right: 13613.950+/-2.573 χ^2/NDF: 1195440.4/34

In: 10498.505+/-2.188 χ^2/NDF:1774542.1/21

Out: 10259.188+/-2.053 χ^2/NDF:2185420.8/26

All: 10371.272+/-1.497 χ^2/NDF: 3966324.5/4

diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.136+/-0.170 χ^2/NDF:12.5/7

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: -0.030+/-0.184 χ^2/NDF:4.3/5

Left: -0.087+/-0.125 χ^2/NDF: 17.0/13

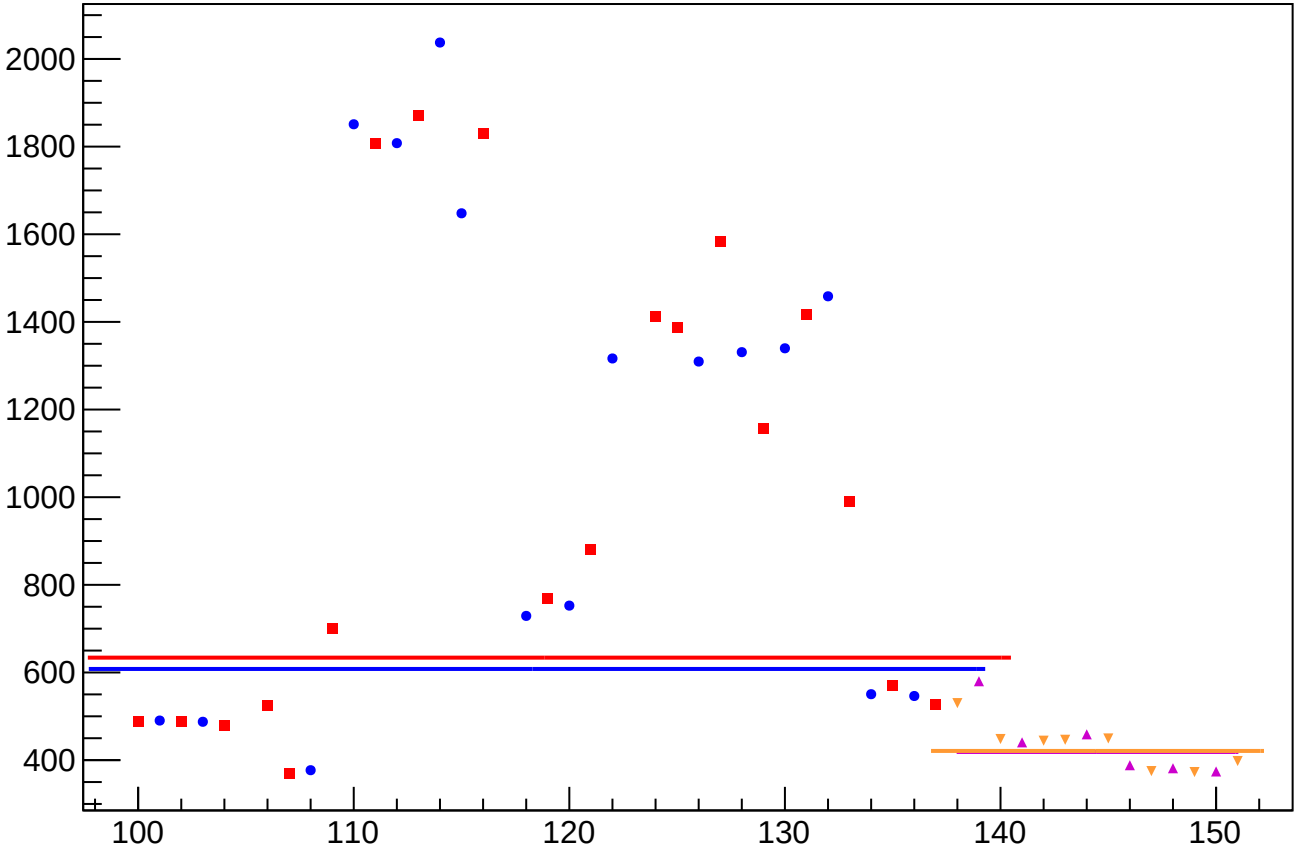
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.152+/-0.149 χ^2/NDF:17.3/21

Out: -0.074+/-0.143 χ^2/NDF:34.7/26

All: -0.112+/-0.103 χ^2/NDF: 52.1/48

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 420.986+/-0.121 χ^2/NDF:144202.0/7

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 418.559+/-0.130 χ^2/NDF:201439.7/5

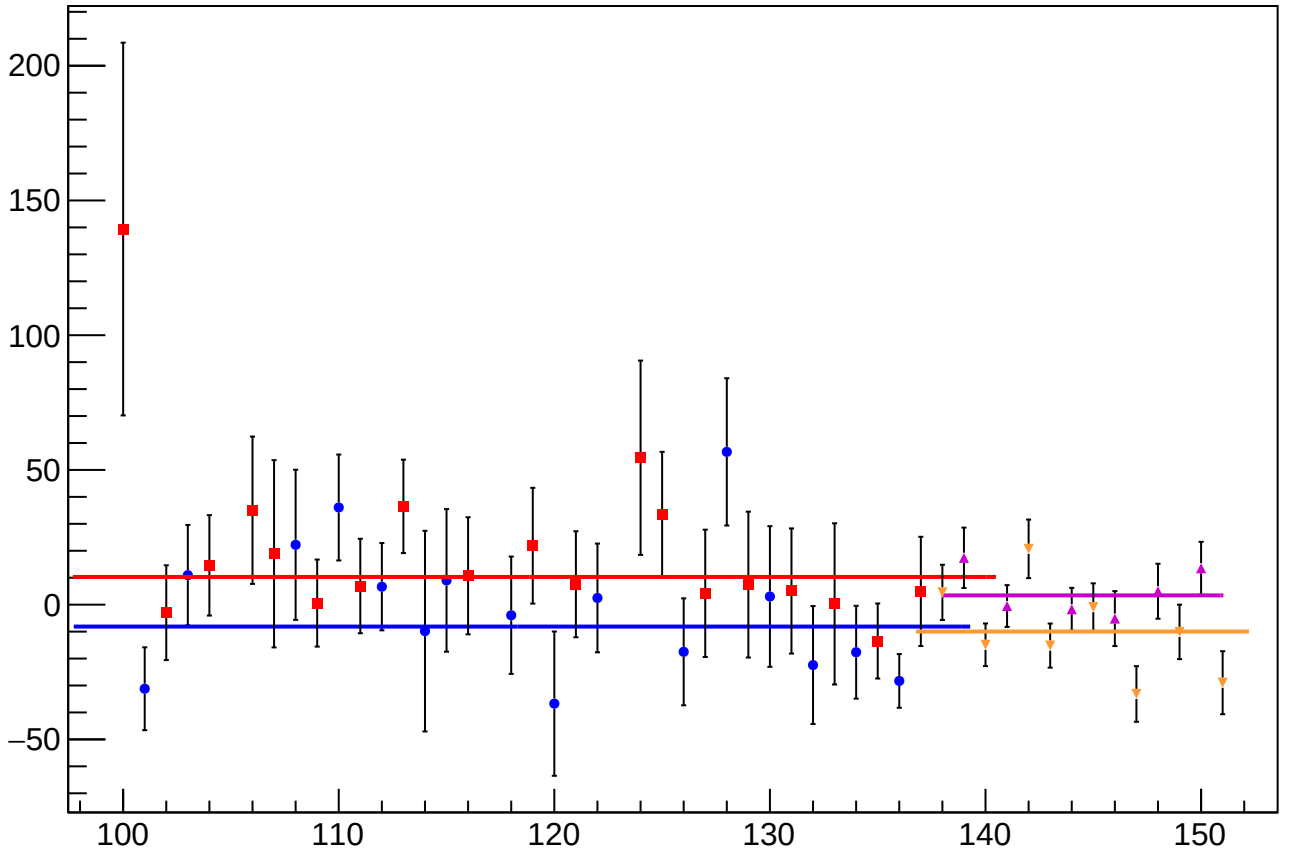
Left: 419.866+/-0.088 χ^2/NDF: 345828.8/13

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 483.300+/-0.106 χ^2/NDF:3777372.8/21

Out: 483.445+/-0.101 χ^2/NDF:3848111.0/26

All: 483.375+/-0.073 χ^2/NDF: 7625484.8/48



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.967+/-3.367 χ^2/NDF:19.5/7

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 3.451+/-3.777 χ^2/NDF:4.0/5

Left: -4.025+/-2.514 χ^2/NDF: 30.5/13

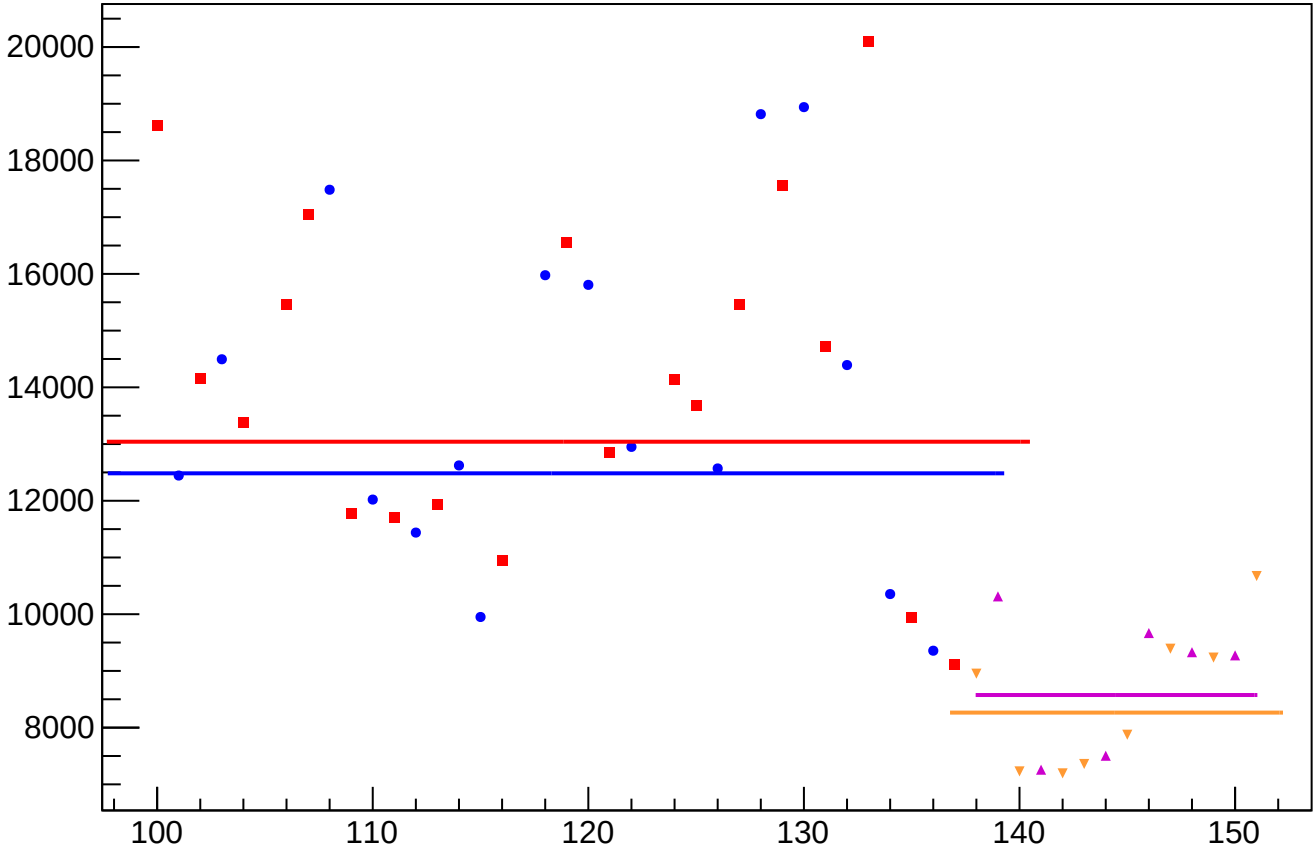
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -1.003+/-2.963 χ^2/NDF:30.8/21

Out: -3.422+/-2.770 χ^2/NDF:44.9/26

All: -2.294+/-2.024 χ^2/NDF: 76.0/48

diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8265.125+/-2.381 χ^2/NDF:218130.9/7

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8575.203+/-2.671 χ^2/NDF:186213.0/5

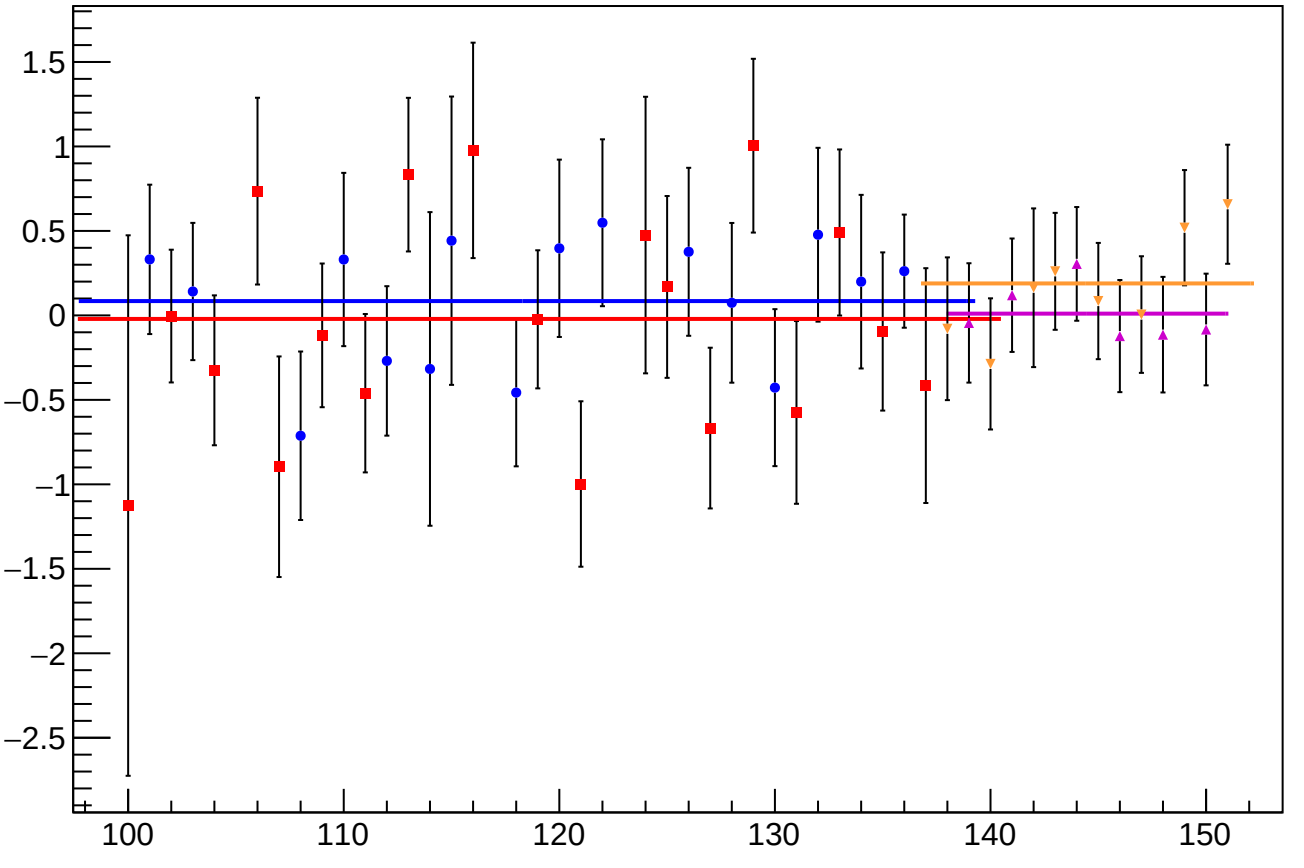
Left: 8402.433+/-1.777 χ^2/NDF: 411853.6/13

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10078.095+/-2.095 χ^2/NDF:1681244.0/21

Out: 9808.520+/-1.959 χ^2/NDF:2062817.0/26

All: 9934.241+/-1.431 χ^2/NDF: 3752892.9/48



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.189+/-0.131 χ^2/NDF:5.0/7

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: 0.010+/-0.138 χ^2/NDF:1.3/5

Left: 0.105+/-0.095 χ^2/NDF: 7.2/13

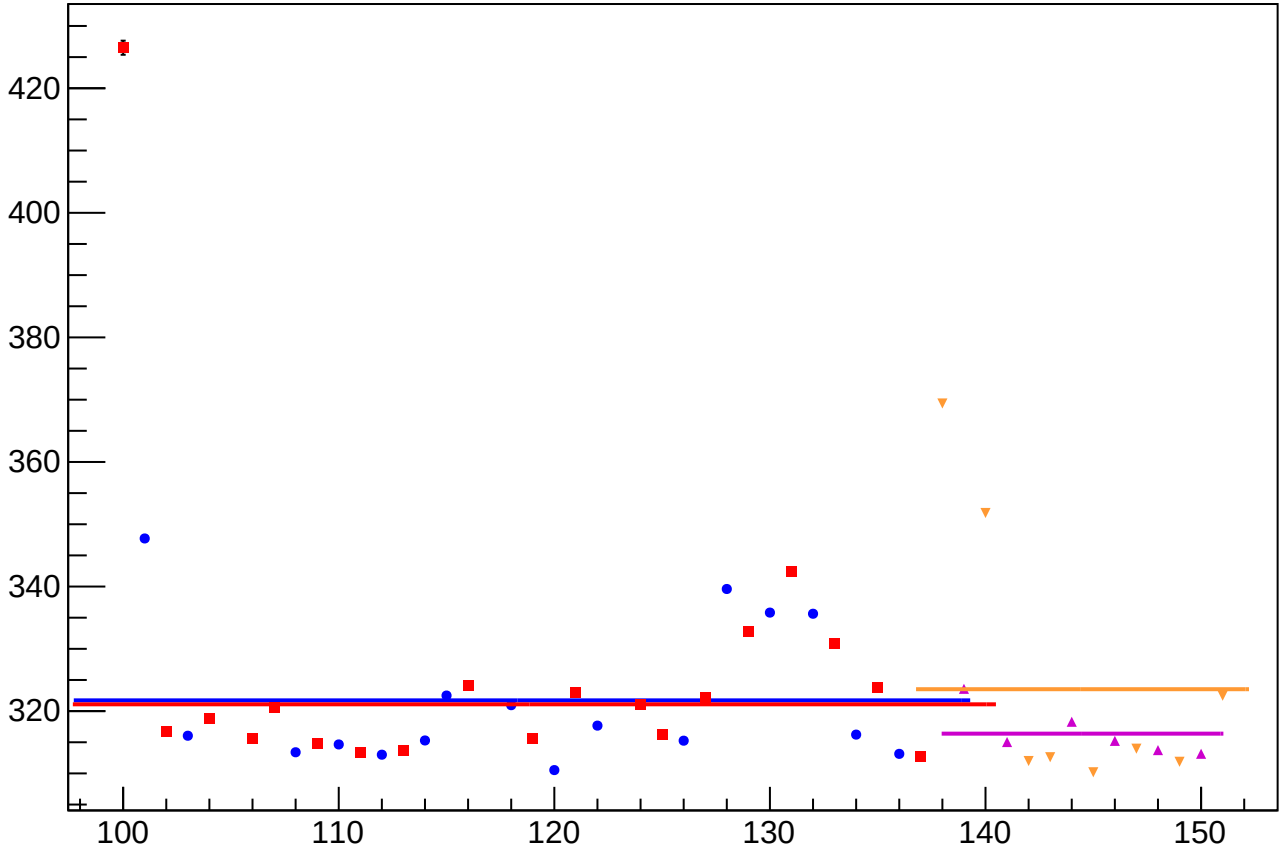
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.053+/-0.091 χ^2/NDF:10.8/21

Out: 0.073+/-0.087 χ^2/NDF:30.8/26

All: 0.063+/-0.063 χ^2/NDF: 41.6/48

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 323.518+/-0.092 χ^2/NDF:44285.8/7

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 316.383+/-0.098 χ^2/NDF:1261.7/5

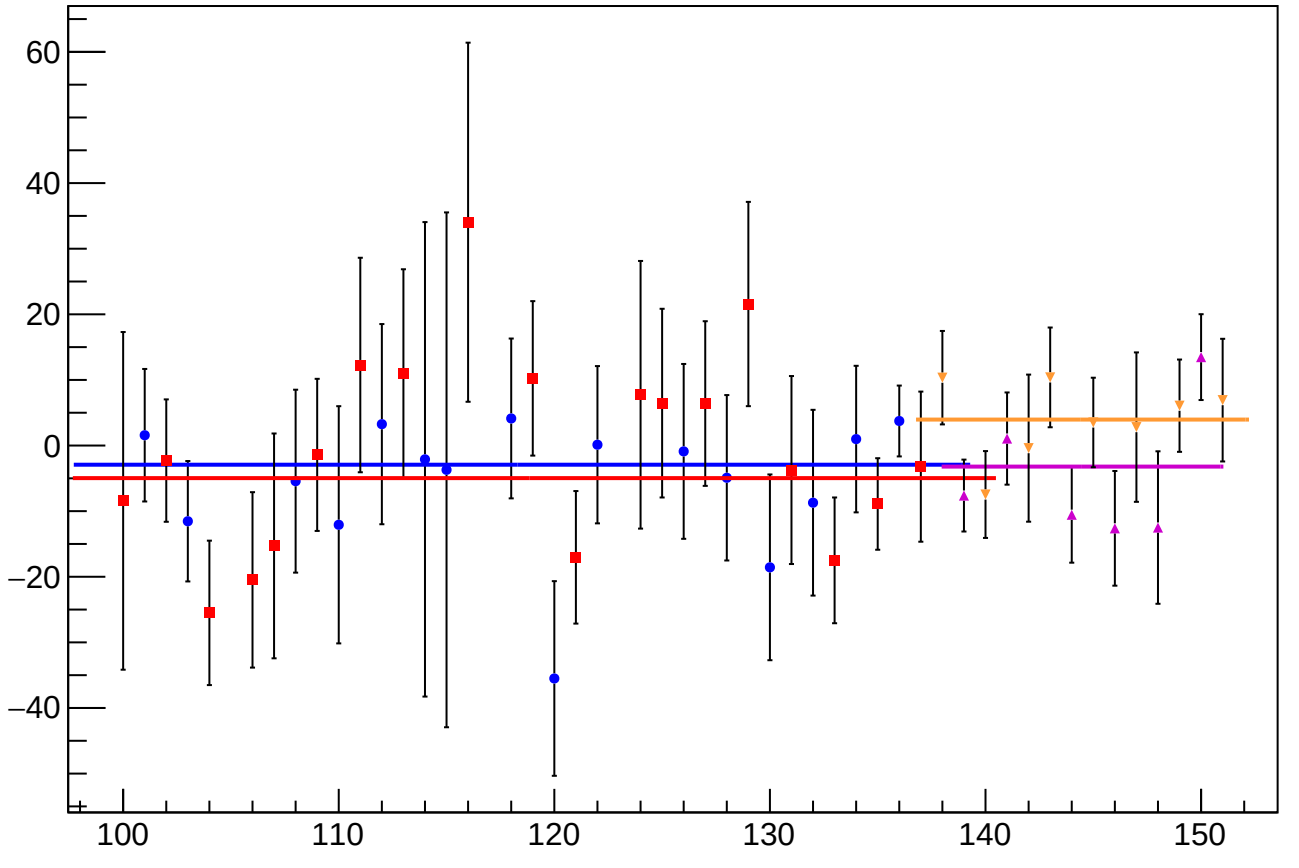
Left: 320.147+/-0.067 χ^2/NDF: 48366.3/13

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 319.423+/-0.064 χ^2/NDF:21181.9/21

Out: 322.177+/-0.062 χ^2/NDF:61246.1/26

All: 320.851+/-0.044 χ^2/NDF: 83385.2/48



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.958+/-2.788 χ^2/NDF:4.9/7

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -3.210+/-2.934 χ^2/NDF:10.3/5

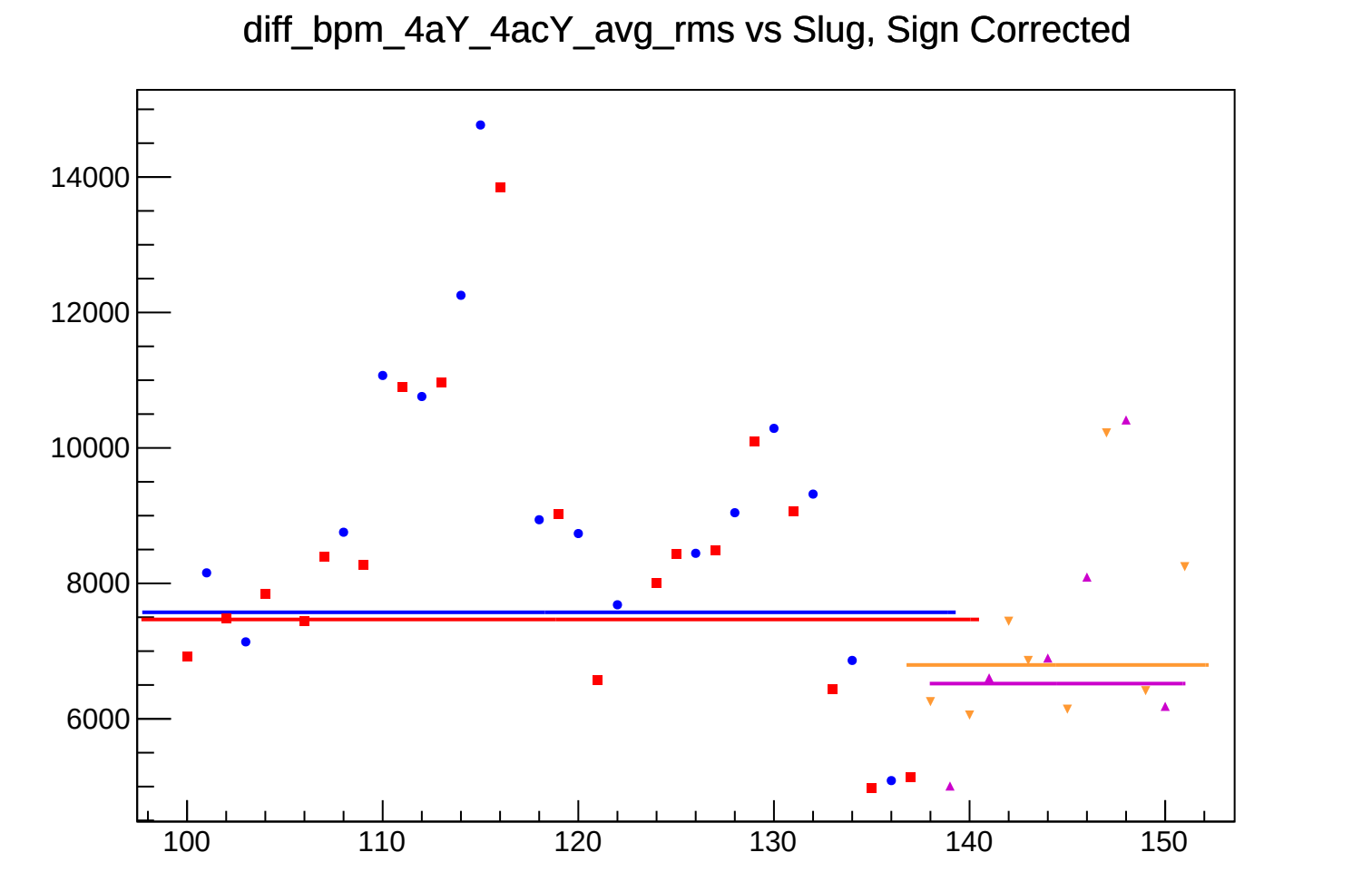
Left: 0.557+/-2.021 χ^2/NDF: 18.3/13

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -3.065+/-2.066 χ^2/NDF:20.2/21

Out: -0.447+/-1.984 χ^2/NDF:29.3/26

All: -1.702+/-1.431 χ^2/NDF: 50.3/48



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6795.713+/-1.971 χ^2/NDF:296774.4/7

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6520.473+/-2.075 χ^2/NDF:452482.7/5

Left: 6665.116+/-1.429 χ^2/NDF: 758506.0/13

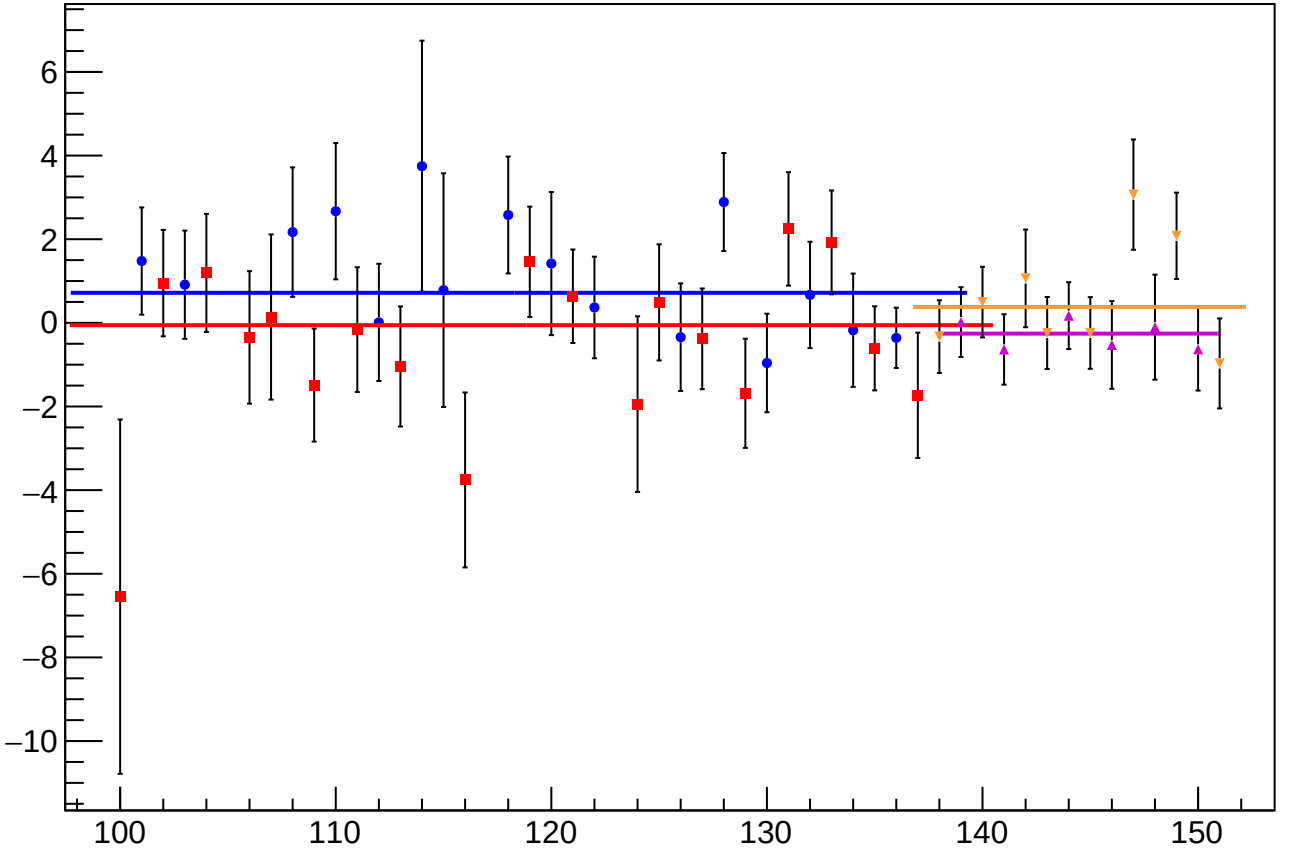
Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 7051.102+/-1.461 χ^2/NDF:1479839.8/21

Out: 7127.291+/-1.403 χ^2/NDF:1182439.4/26

All: 7090.743+/-1.012 χ^2/NDF: 2663694.0/48

diff_bpm_4aY_4acY_dd_mean vs Slug, Sign Corrected



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.381+/-0.342 χ^2/NDF:10.5/7

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.257+/-0.378 χ^2/NDF:0.8/5

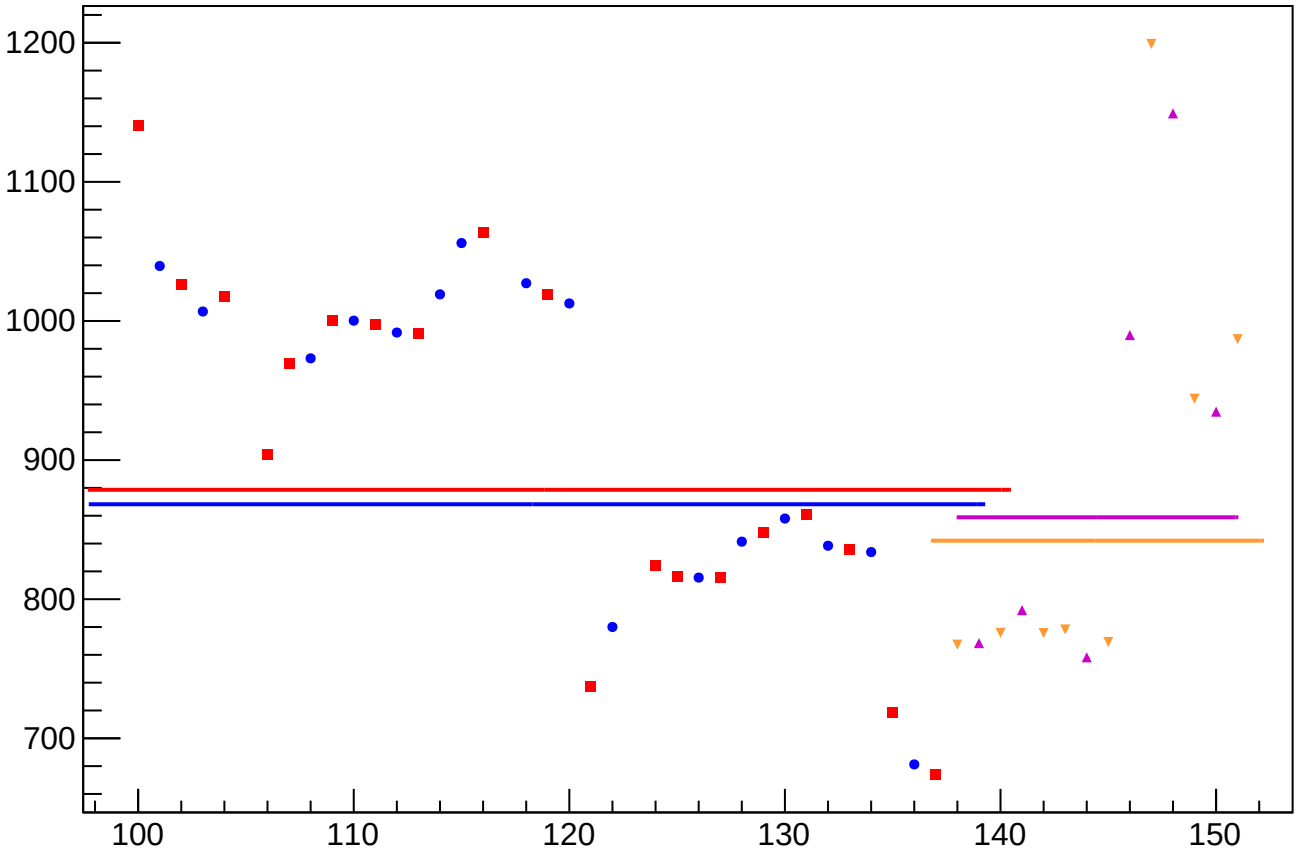
Left: 0.094+/-0.254 χ^2/NDF: 12.9/13

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.303+/-0.247 χ^2/NDF:19.4/21

Out: 0.151+/-0.235 χ^2/NDF:31.2/26

All: 0.223+/-0.170 χ^2/NDF: 50.8/48



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 842.070+/-0.242 χ^2/NDF:261368.4/7

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 858.881+/-0.268 χ^2/NDF:217735.8/5

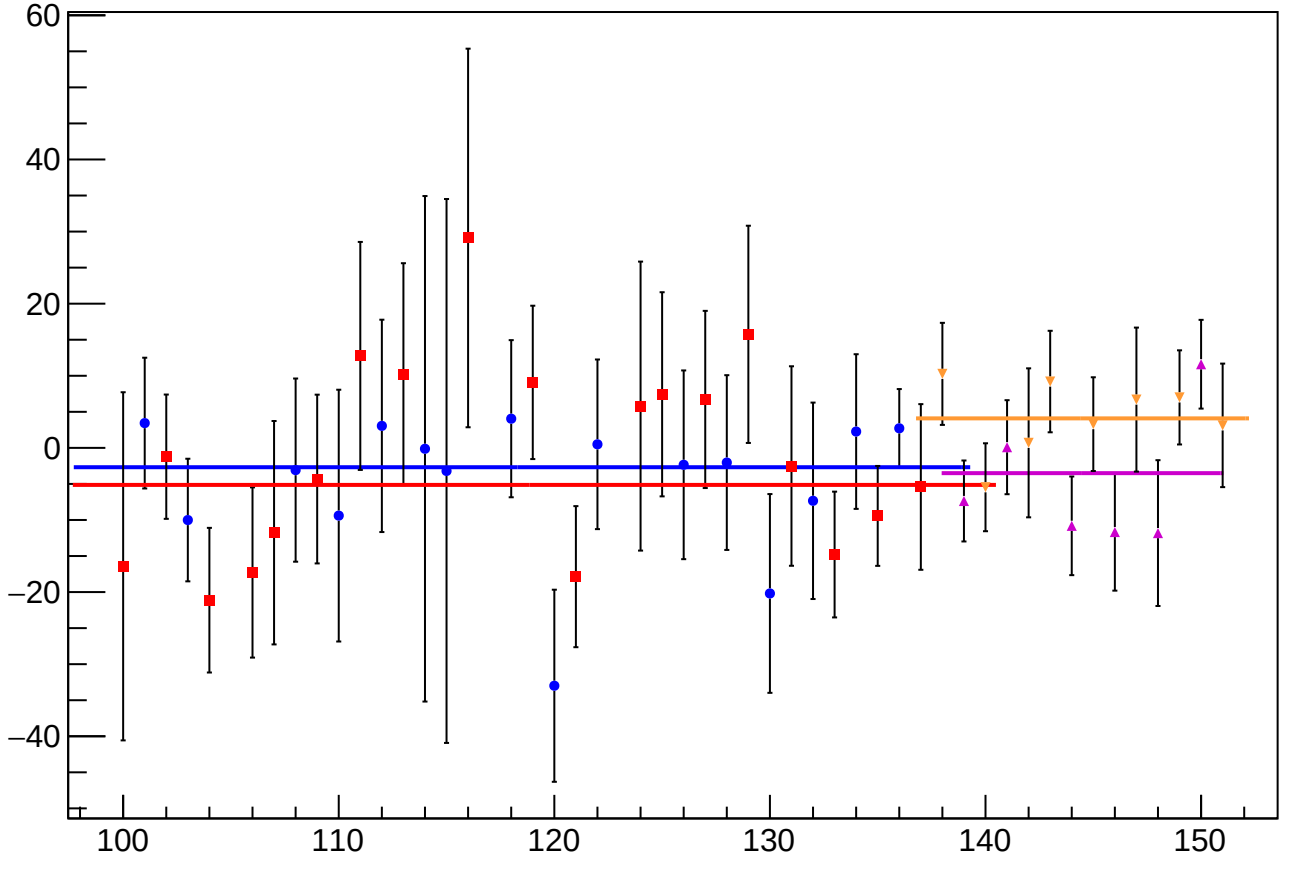
Left: 849.627+/-0.179 χ^2/NDF: 481276.3/13

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 864.262+/-0.175 χ^2/NDF:520849.6/21

Out: 861.390+/-0.166 χ^2/NDF:545983.8/26

All: 862.755+/-0.120 χ^2/NDF: 1066975.3/48



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.091+/-2.607 χ^2/NDF:4.1/7

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -3.505+/-2.796 χ^2/NDF:9.6/5

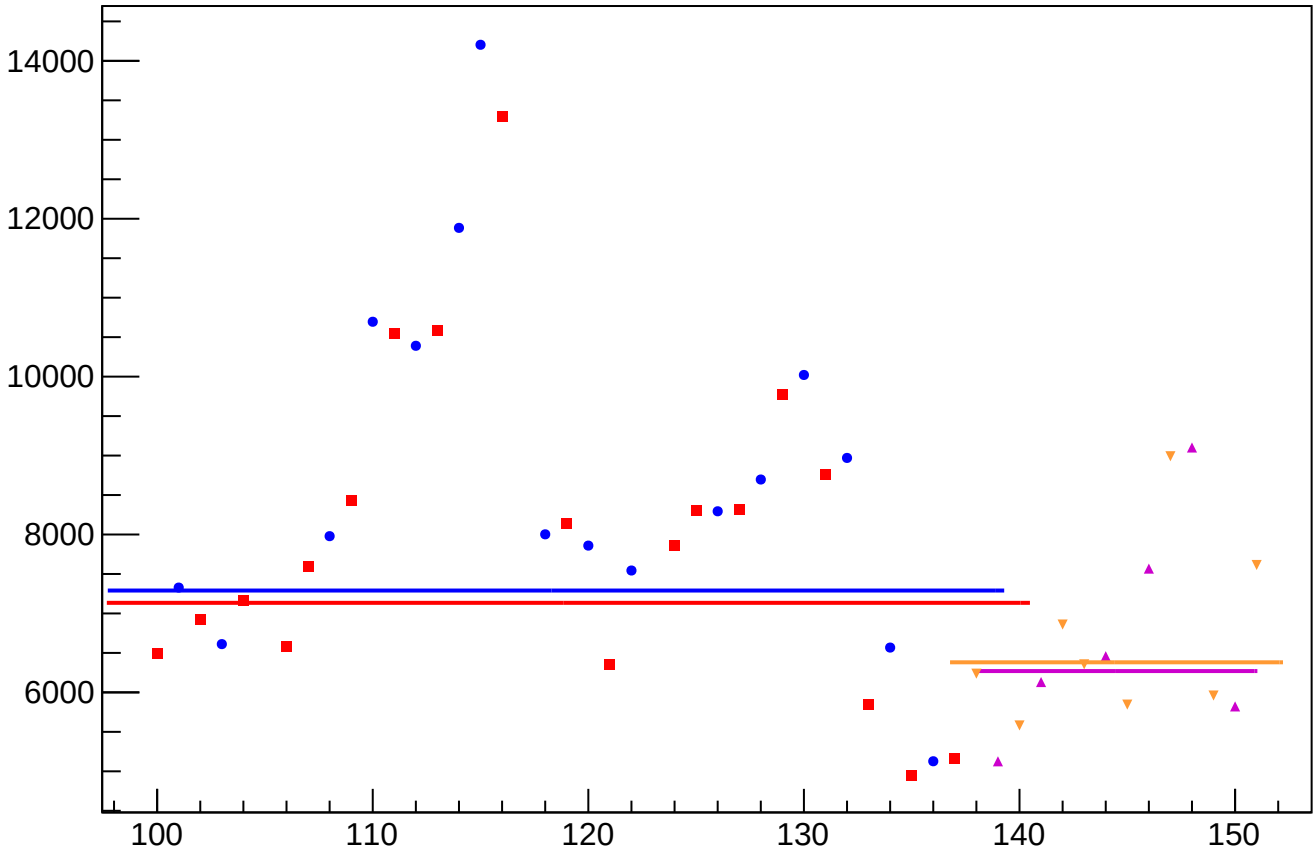
Left: 0.559+/-1.907 χ^2/NDF: 17.7/13

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -3.093+/-1.974 χ^2/NDF:19.7/21

Out: -0.374+/-1.873 χ^2/NDF:27.5/26

All: -1.662+/-1.359 χ^2/NDF: 48.2/48



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6381.011+/-1.843 χ^2/NDF:239482.4/7

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6270.124+/-1.977 χ^2/NDF:303840.8/5

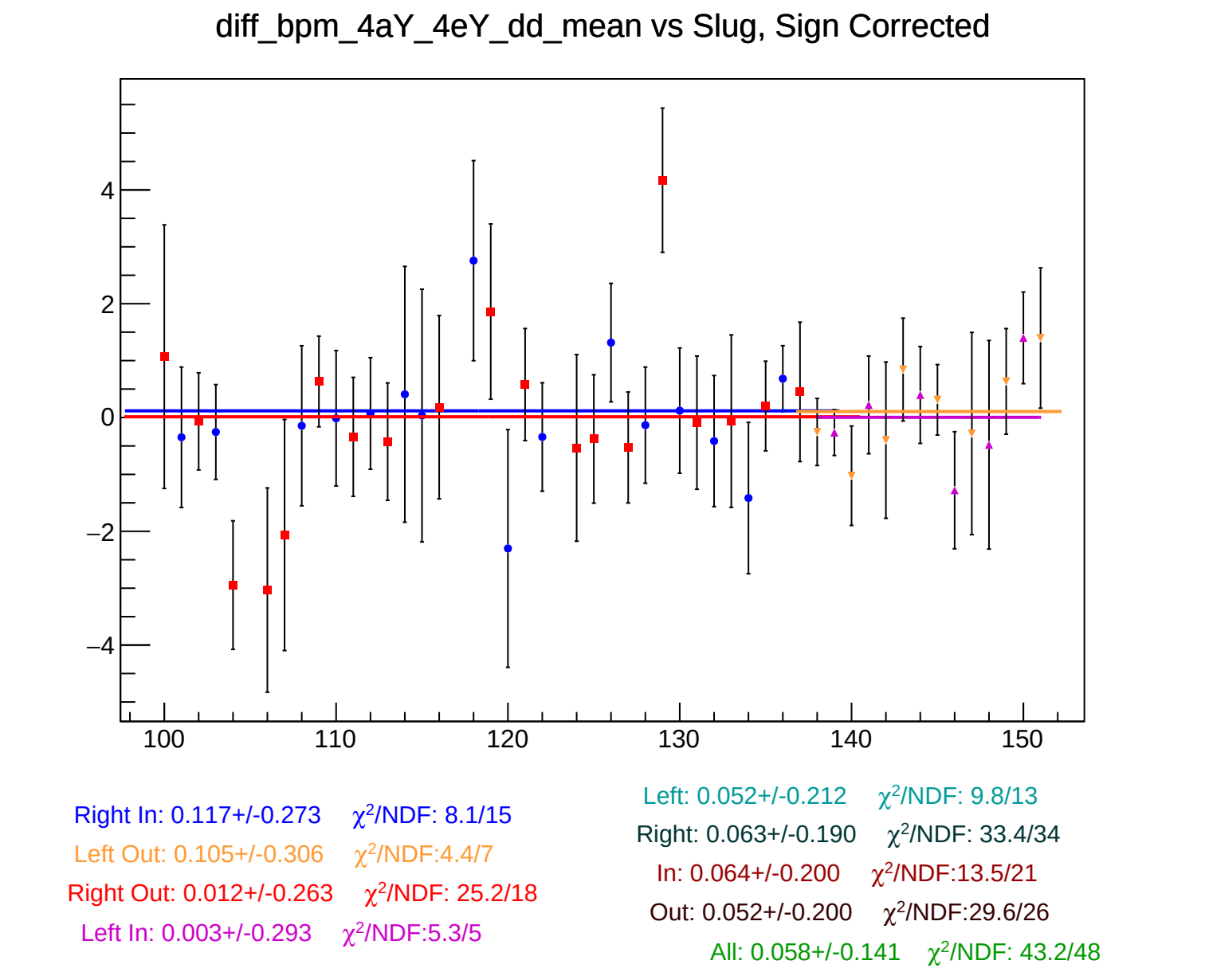
Left: 6329.450+/-1.348 χ^2/NDF: 545006.4/13

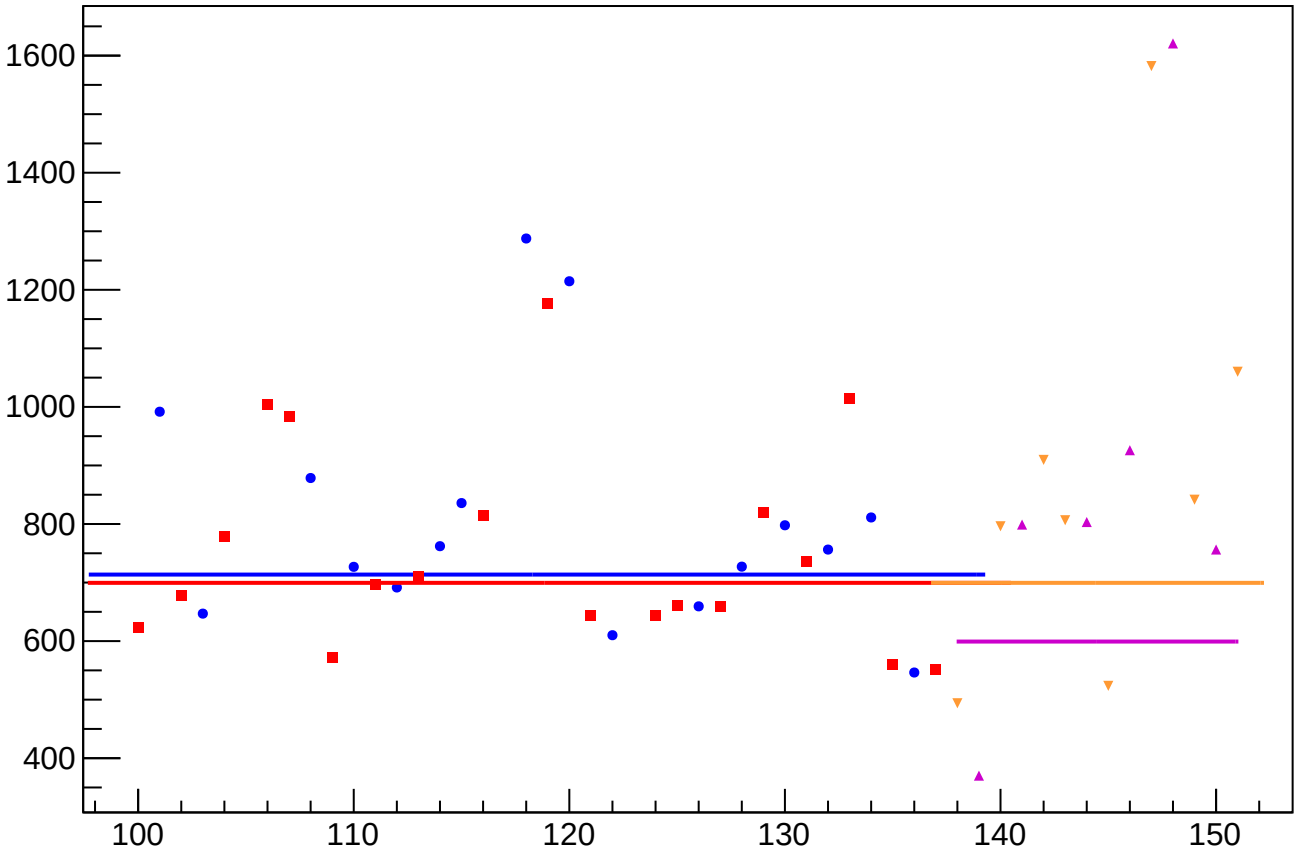
Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6781.595+/-1.396 χ^2/NDF:1207852.1/21

Out: 6745.572+/-1.324 χ^2/NDF:1113124.6/26

All: 6762.632+/-0.961 χ^2/NDF: 2321327.2/48


diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected
4
2
0
−2
−4
100
110
120
130
140
150
Right In: 0.117+/-0.273 χ²/NDF: 8.1/15
Left Out: 0.105+/-0.306 χ²/NDF:4.4/7
Right Out: 0.012+/-0.263 χ²/NDF: 25.2/18
Left In: 0.003+/-0.293 χ²/NDF:5.3/5
Left: 0.052+/-0.212 χ²/NDF: 9.8/13
Right: 0.063+/-0.190 χ²/NDF: 33.4/34
In: 0.064+/-0.200 χ²/NDF:13.5/21
Out: 0.052+/-0.200 χ²/NDF:29.6/26
All: 0.058+/-0.141 χ²/NDF: 43.2/48



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 699.501+/-0.216 χ^2/NDF:1215043.8/7

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 599.216+/-0.207 χ^2/NDF:1767891.4/5

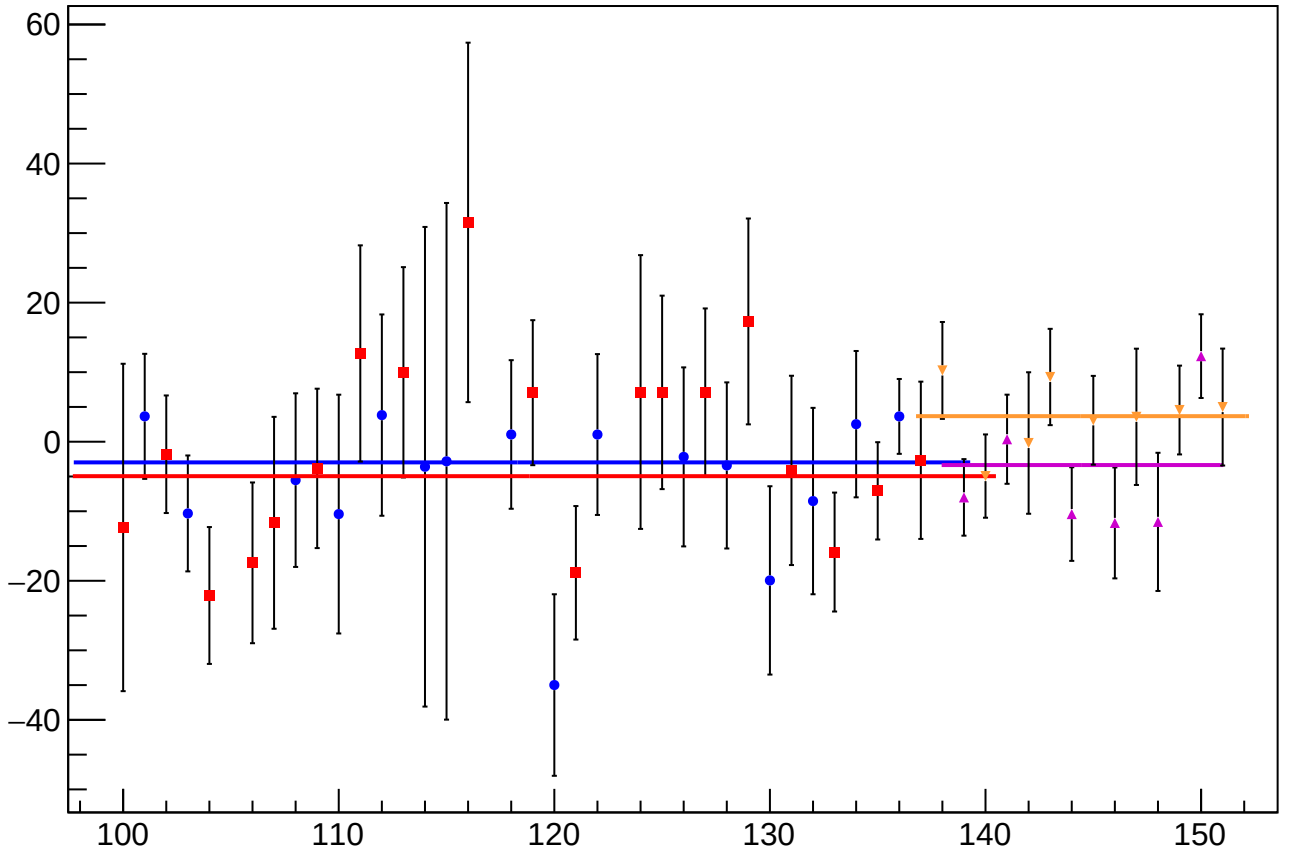
Left: 647.146+/-0.150 χ^2/NDF: 3095115.5/13

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 660.374+/-0.141 χ^2/NDF:2630500.9/21

Out: 699.502+/-0.141 χ^2/NDF:1790803.7/26

All: 679.956+/-0.100 χ^2/NDF: 4459722.6/48



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.675+/-2.560 χ^2/NDF:3.8/7

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -3.356+/-2.743 χ^2/NDF:10.7/5

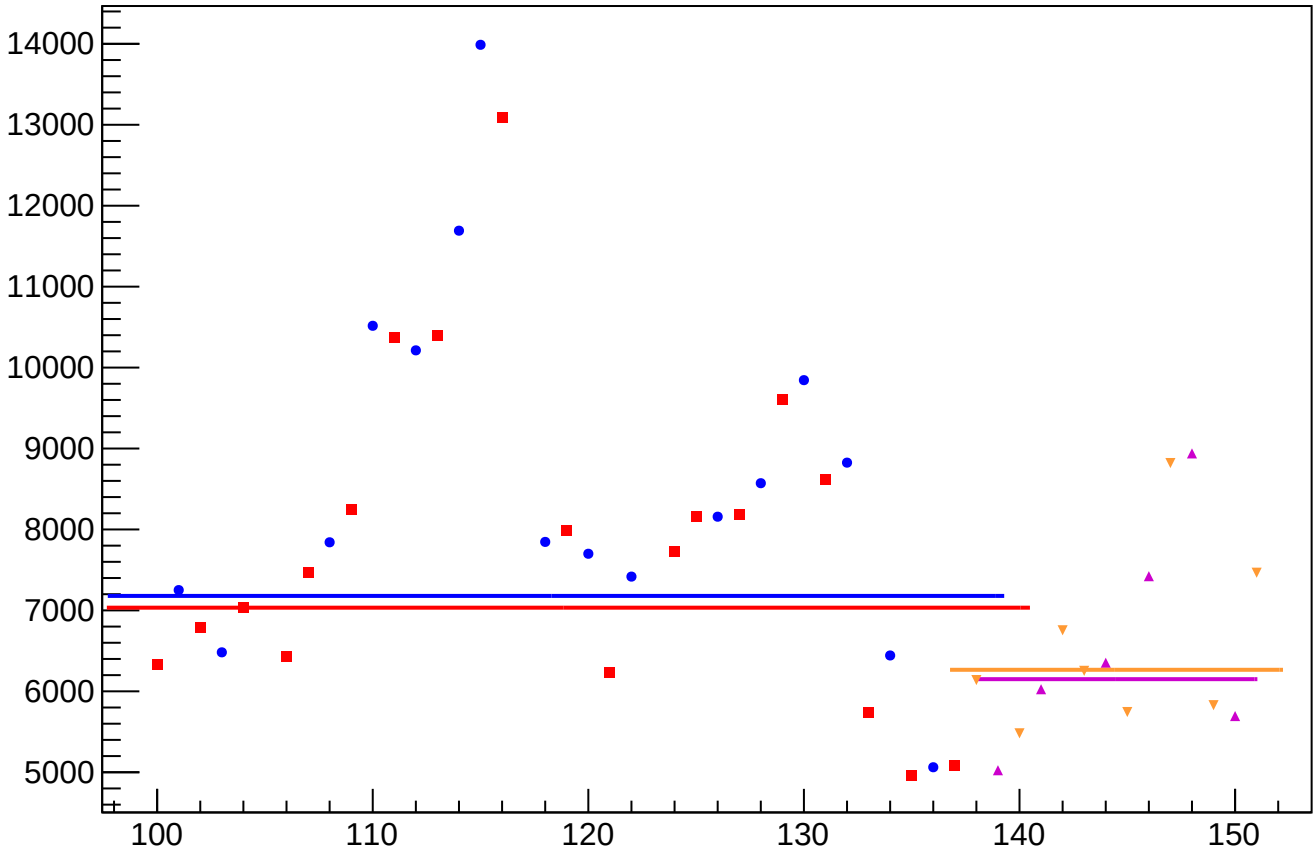
Left: 0.402+/-1.872 χ^2/NDF: 18.0/13

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -3.165+/-1.941 χ^2/NDF:22.3/21

Out: -0.486+/-1.842 χ^2/NDF:27.8/26

All: -1.756+/-1.336 χ^2/NDF: 51.0/48



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6266.081+/-1.810 χ^2/NDF:238934.3/7

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6150.283+/-1.940 χ^2/NDF:306151.9/5

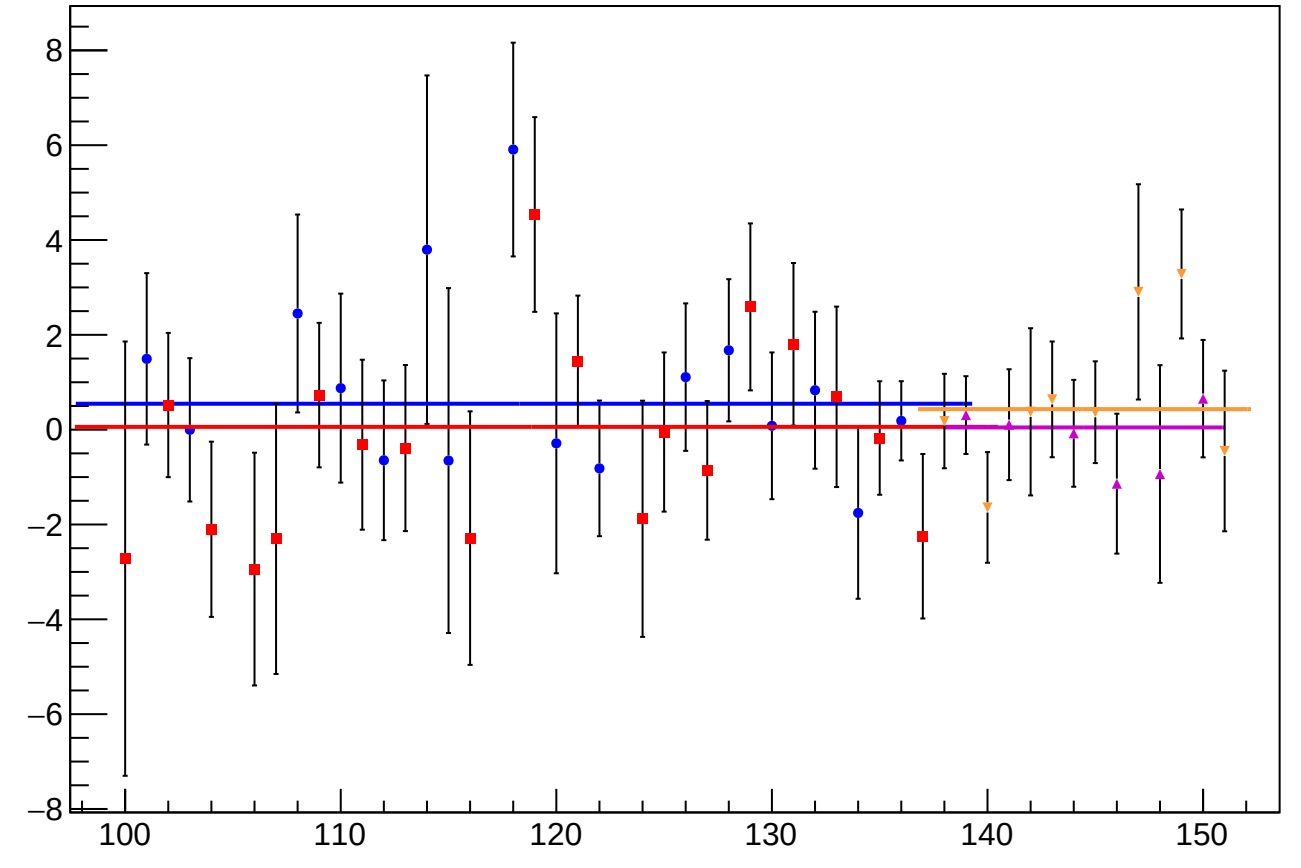
Left: 6212.180+/-1.323 χ^2/NDF: 546990.9/13

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6664.103+/-1.372 χ^2/NDF:1208542.4/21

Out: 6636.098+/-1.303 χ^2/NDF:1091983.4/26

All: 6649.371+/-0.945 χ^2/NDF: 2300744.8/48



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.434+/-0.462 χ^2/NDF:9.1/7

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.047+/-0.482 χ^2/NDF:1.2/5

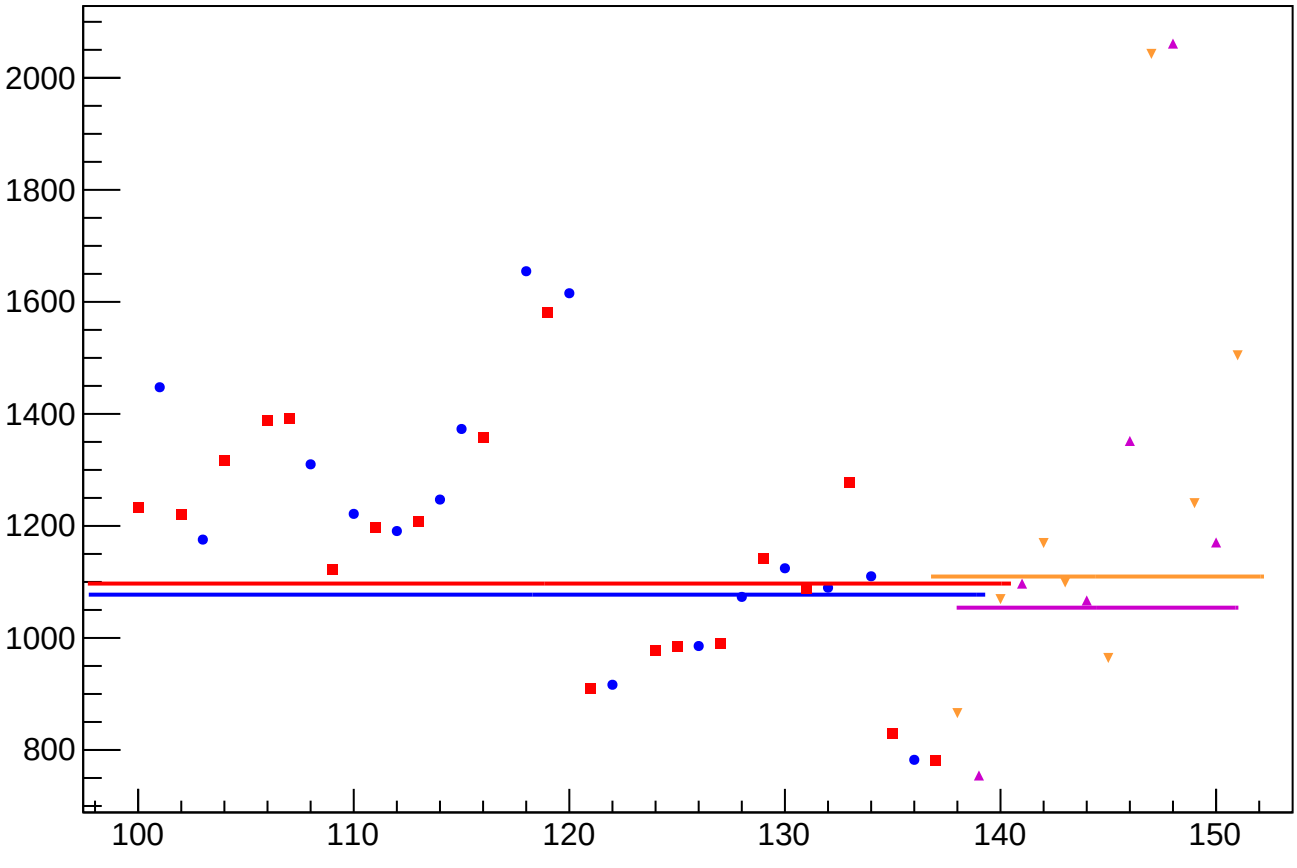
Left: 0.248+/-0.333 χ^2/NDF: 10.6/13

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.336+/-0.313 χ^2/NDF:13.7/21

Out: 0.224+/-0.306 χ^2/NDF:26.3/26

All: 0.279+/-0.219 χ^2/NDF: 40.1/48



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1109.666+/-0.327 χ^2/NDF:626533.4/7

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1054.058+/-0.341 χ^2/NDF:754095.5/5

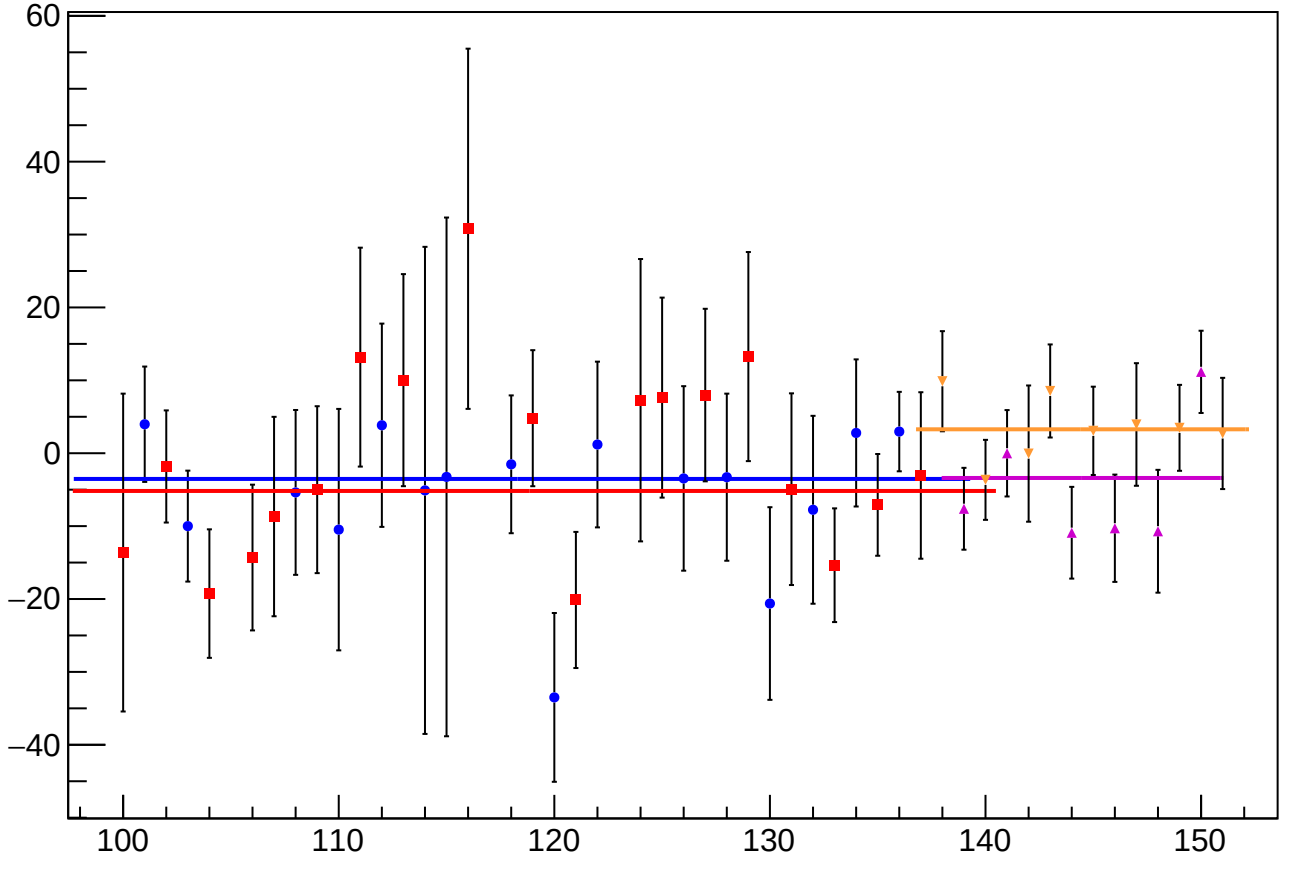
Left: 1083.033+/-0.236 χ^2/NDF: 1394508.5/13

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1067.518+/-0.221 χ^2/NDF:1403312.7/21

Out: 1102.624+/-0.216 χ^2/NDF:1111733.0/26

All: 1085.439+/-0.155 χ^2/NDF: 2527917.8/48



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.282+/-2.372 χ^2/NDF:3.3/7

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -3.395+/-2.587 χ^2/NDF:10.6/5

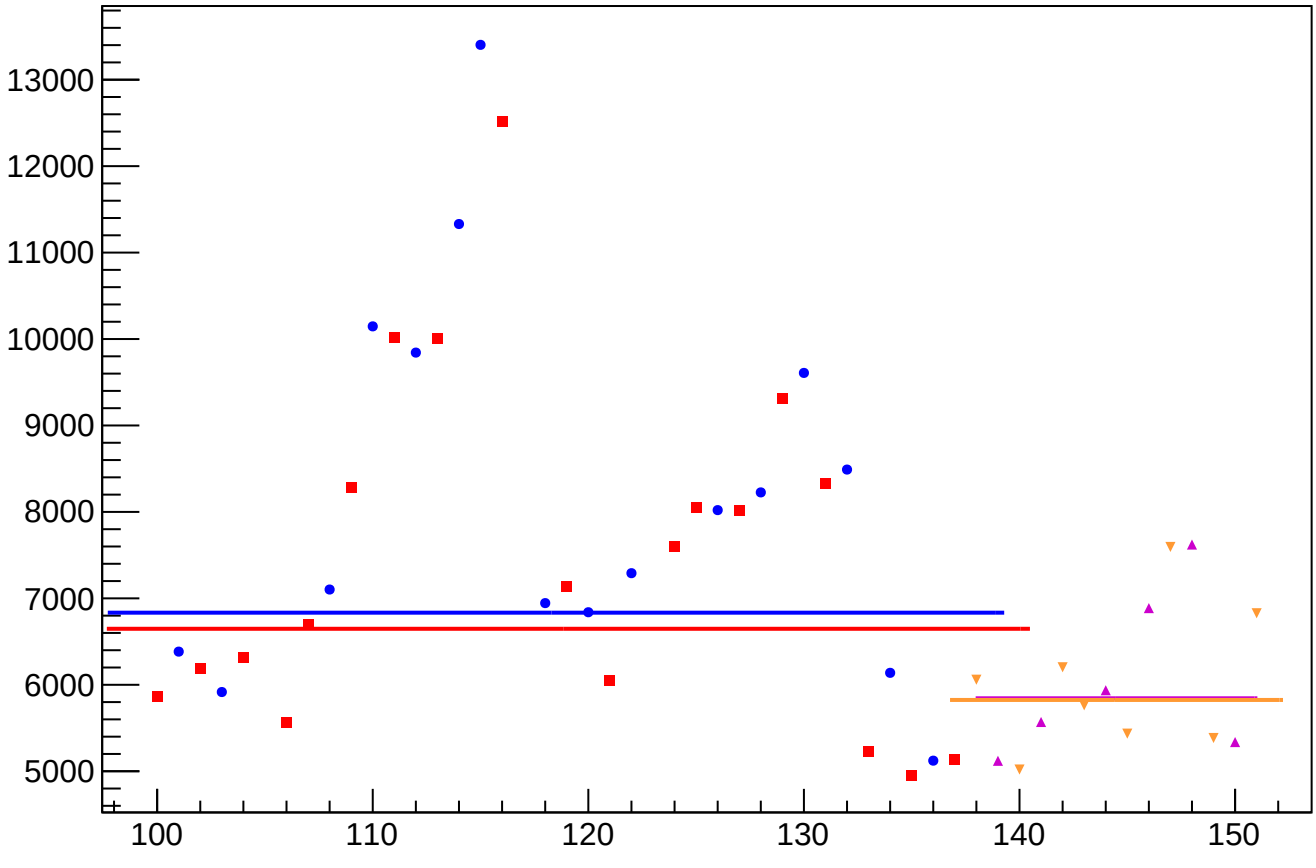
Left: 0.233+/-1.748 χ^2/NDF: 17.6/13

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -3.461+/-1.837 χ^2/NDF:23.2/21

Out: -0.711+/-1.723 χ^2/NDF:27.5/26

All: -1.999+/-1.257 χ^2/NDF: 52.0/48



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5824.710+/-1.677 χ^2/NDF:191381.2/7

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5844.017+/-1.829 χ^2/NDF:183297.3/5

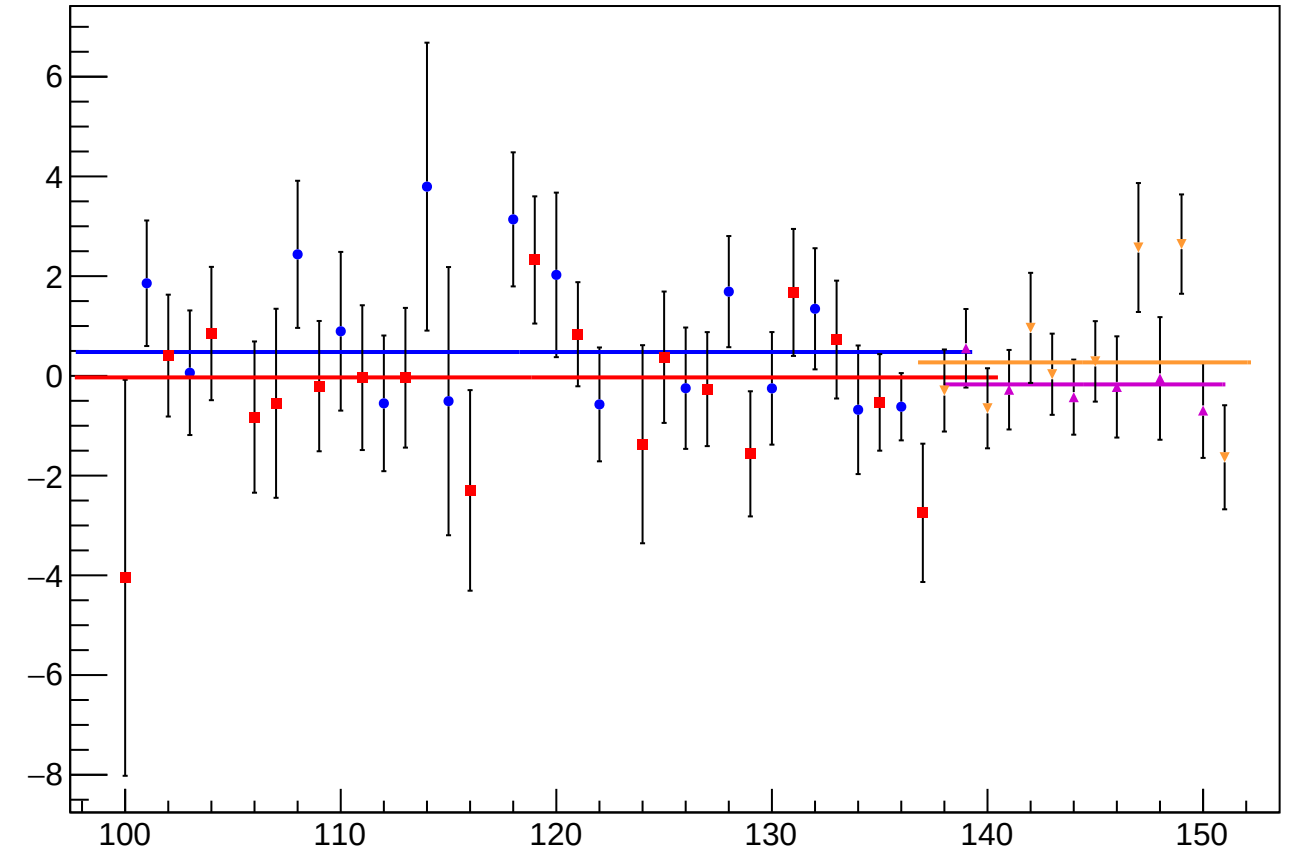
Left: 5833.528+/-1.236 χ^2/NDF: 374739.0/13

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6335.144+/-1.299 χ^2/NDF:1021371.5/21

Out: 6213.430+/-1.219 χ^2/NDF:1090245.9/26

All: 6270.414+/-0.889 χ^2/NDF: 2116288.3/48



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.271+/-0.326 χ^2/NDF:14.4/7

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.171+/-0.361 χ^2/NDF:1.3/5

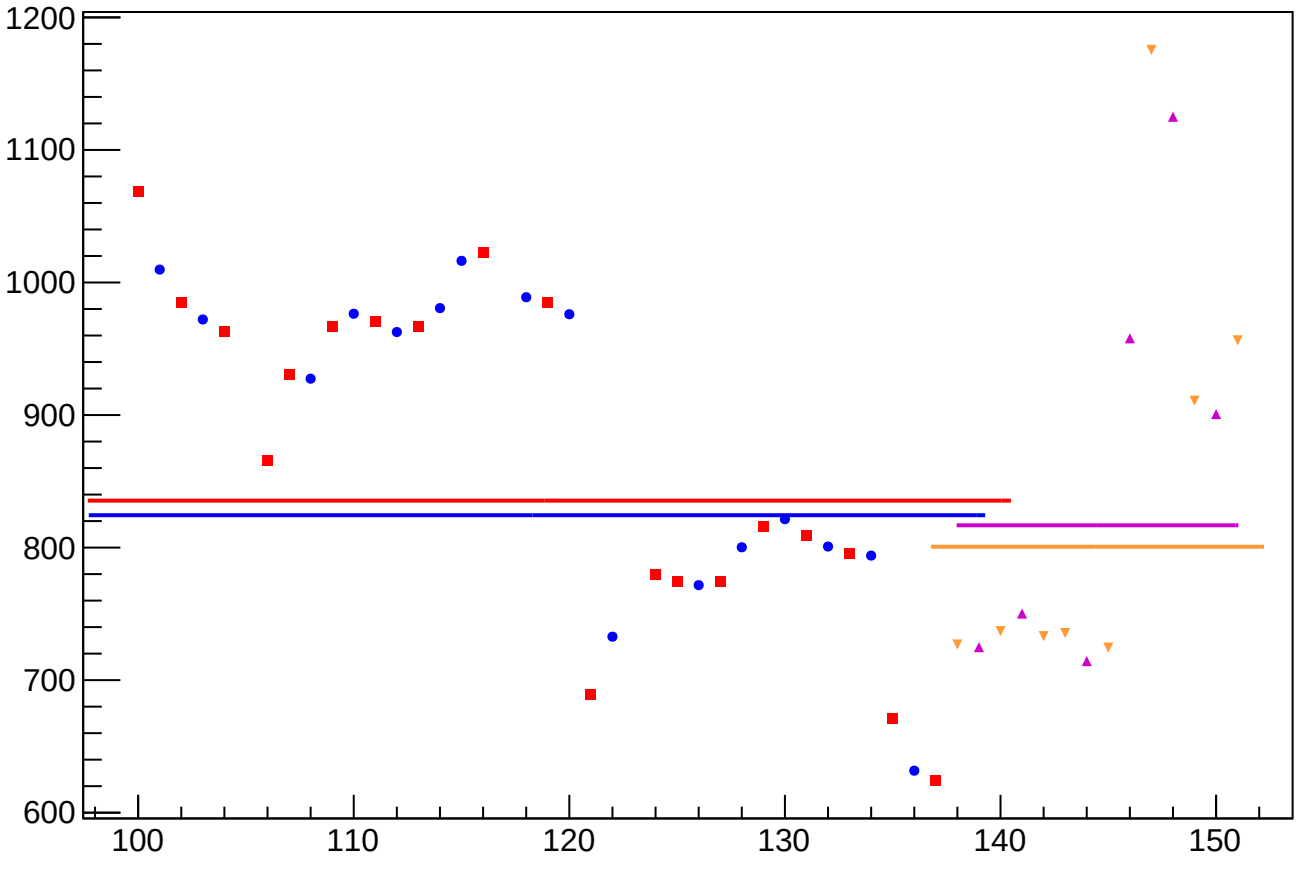
Left: 0.072+/-0.242 χ^2/NDF: 16.6/13

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.202+/-0.235 χ^2/NDF:19.9/21

Out: 0.112+/-0.224 χ^2/NDF:30.6/26

All: 0.155+/-0.162 χ^2/NDF: 50.5/48



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 800.641+/-0.230 χ^2/NDF:303768.3/7

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 816.819+/-0.255 χ^2/NDF:258106.2/5

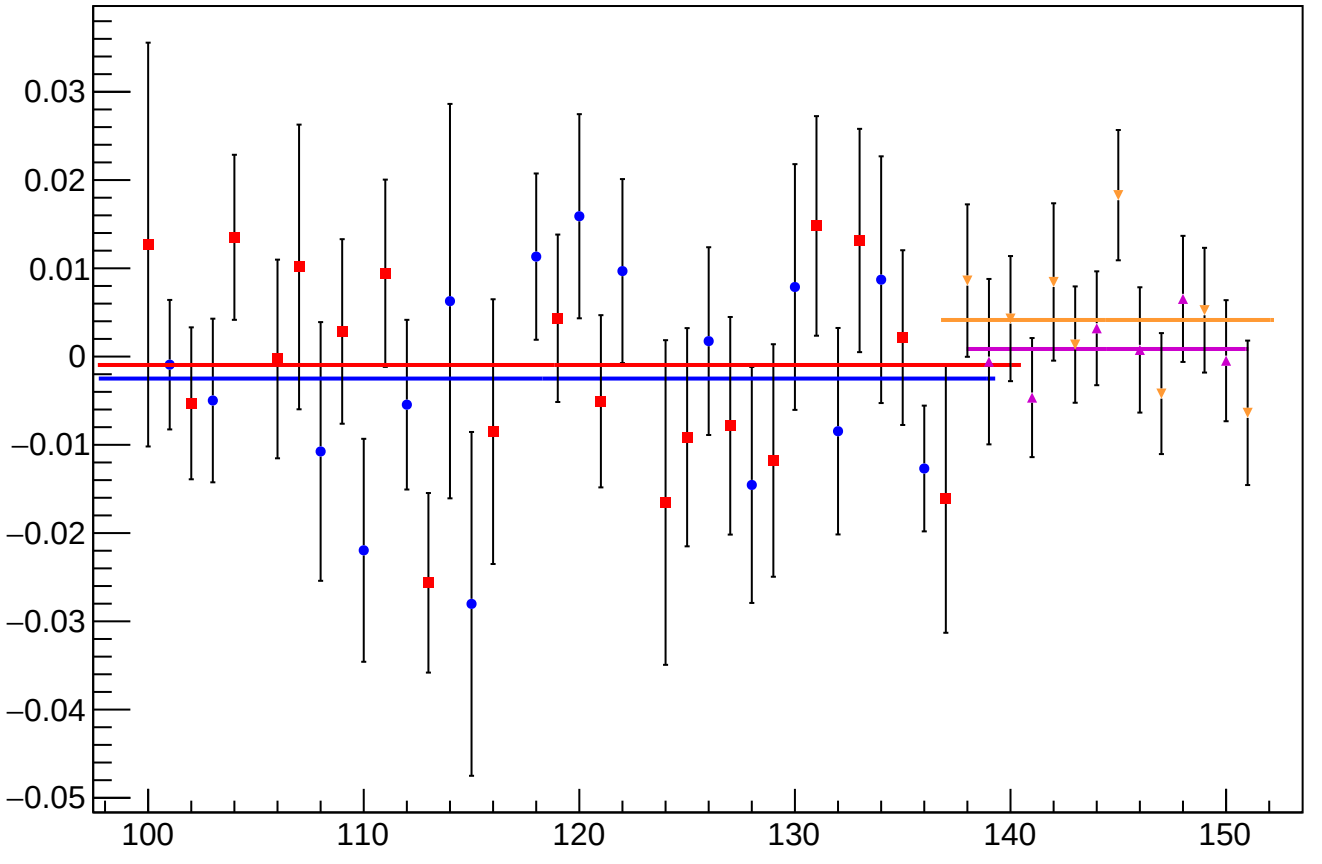
Left: 807.911+/-0.171 χ^2/NDF: 564089.7/13

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 821.188+/-0.166 χ^2/NDF:624079.0/21

Out: 818.989+/-0.158 χ^2/NDF:635094.2/26

All: 820.034+/-0.115 χ^2/NDF: 1259264.7/48



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.004+/-0.003 χ^2/NDF:7.5/7

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.003 χ^2/NDF:1.5/5

Left: 0.003+/-0.002 χ^2/NDF: 9.7/13

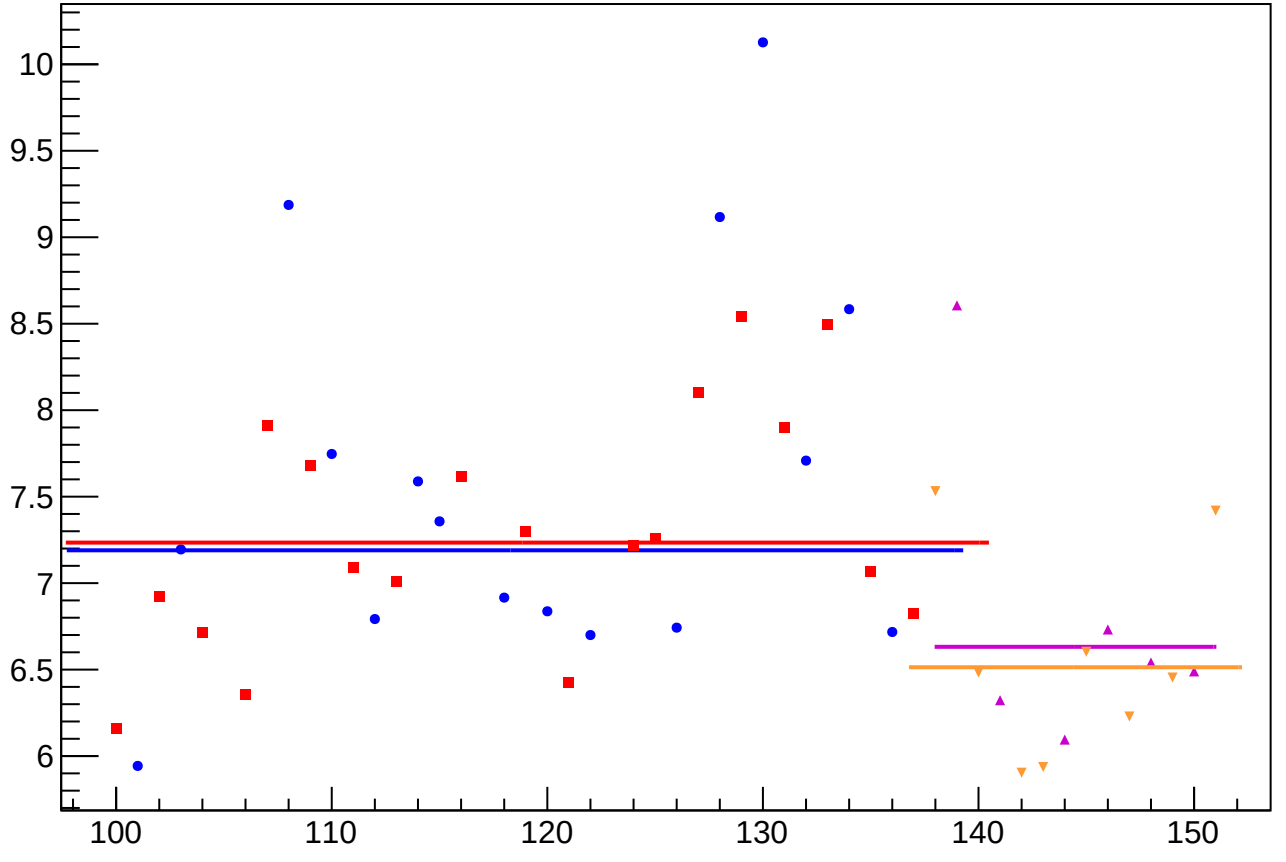
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:17.5/21

Out: 0.002+/-0.002 χ^2/NDF:26.7/26

All: 0.000+/-0.001 χ^2/NDF: 45.0/48

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.514+/-0.002 χ^2/NDF:80901.4/7

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.632+/-0.002 χ^2/NDF:108352.4/5

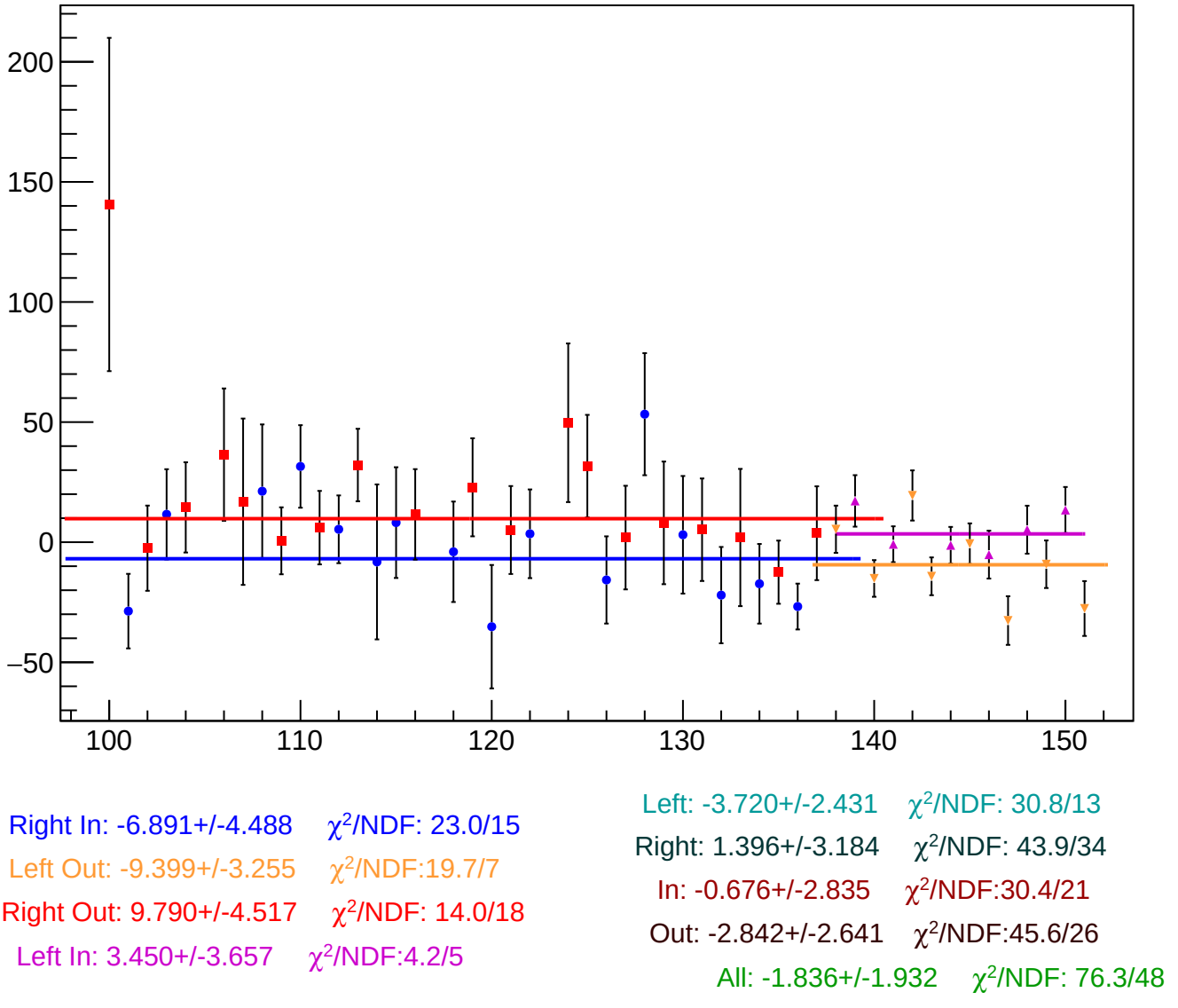
Left: 6.567+/-0.001 χ^2/NDF: 191064.9/13

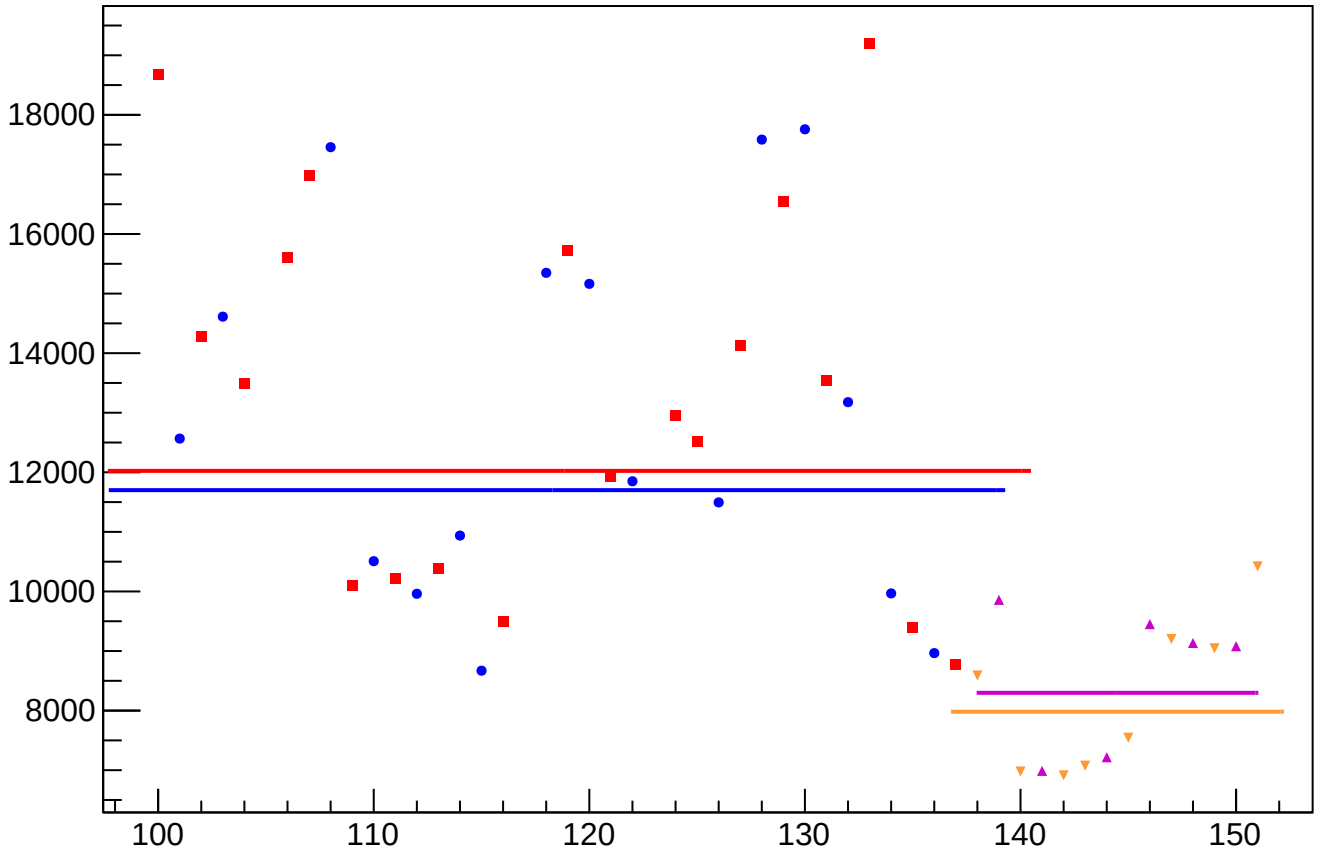
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 6.931+/-0.001 χ^2/NDF:425380.9/21

Out: 6.871+/-0.001 χ^2/NDF:261194.1/26

All: 6.899+/-0.001 χ^2/NDF: 687522.6/48


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -9.399+/-3.255 χ²/NDF:19.7/7
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 3.450+/-3.657 χ²/NDF:4.2/5
Left: -3.720+/-2.431 χ²/NDF: 30.8/13
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: -0.676+/-2.835 χ²/NDF:30.4/21
Out: -2.842+/-2.641 χ²/NDF:45.6/26
All: -1.836+/-1.932 χ²/NDF: 76.3/48



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 7981.432+/-2.301 χ^2/NDF:238411.6/7

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8298.771+/-2.586 χ^2/NDF:198185.9/5

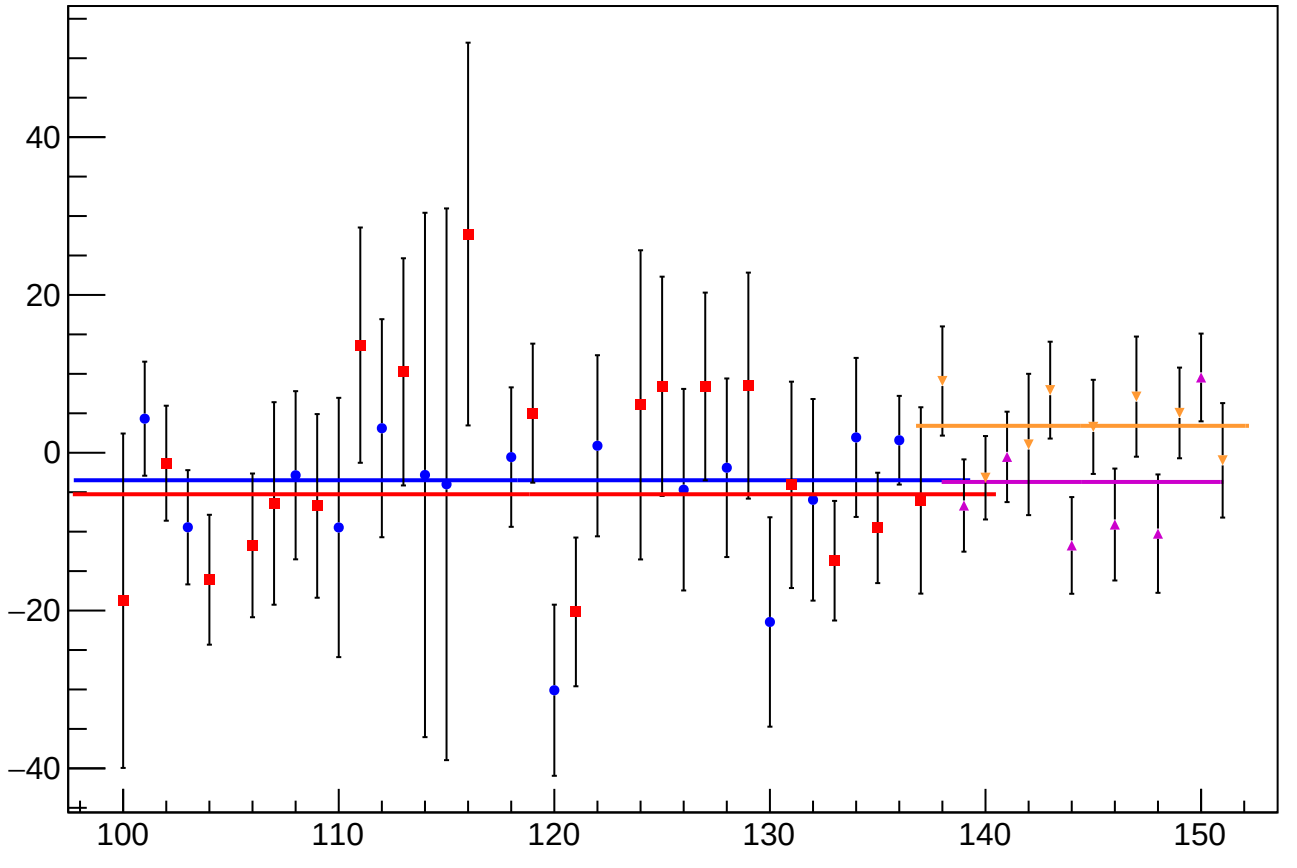
Left: 8121.674+/-1.719 χ^2/NDF: 445000.1/13

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9656.260+/-2.005 χ^2/NDF:1628819.4/21

Out: 9362.919+/-1.867 χ^2/NDF:1977700.1/26

All: 9499.178+/-1.366 χ^2/NDF: 3617983.5/48



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.413+/-2.292 χ^2/NDF:3.5/7

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -3.701+/-2.529 χ^2/NDF:9.3/5

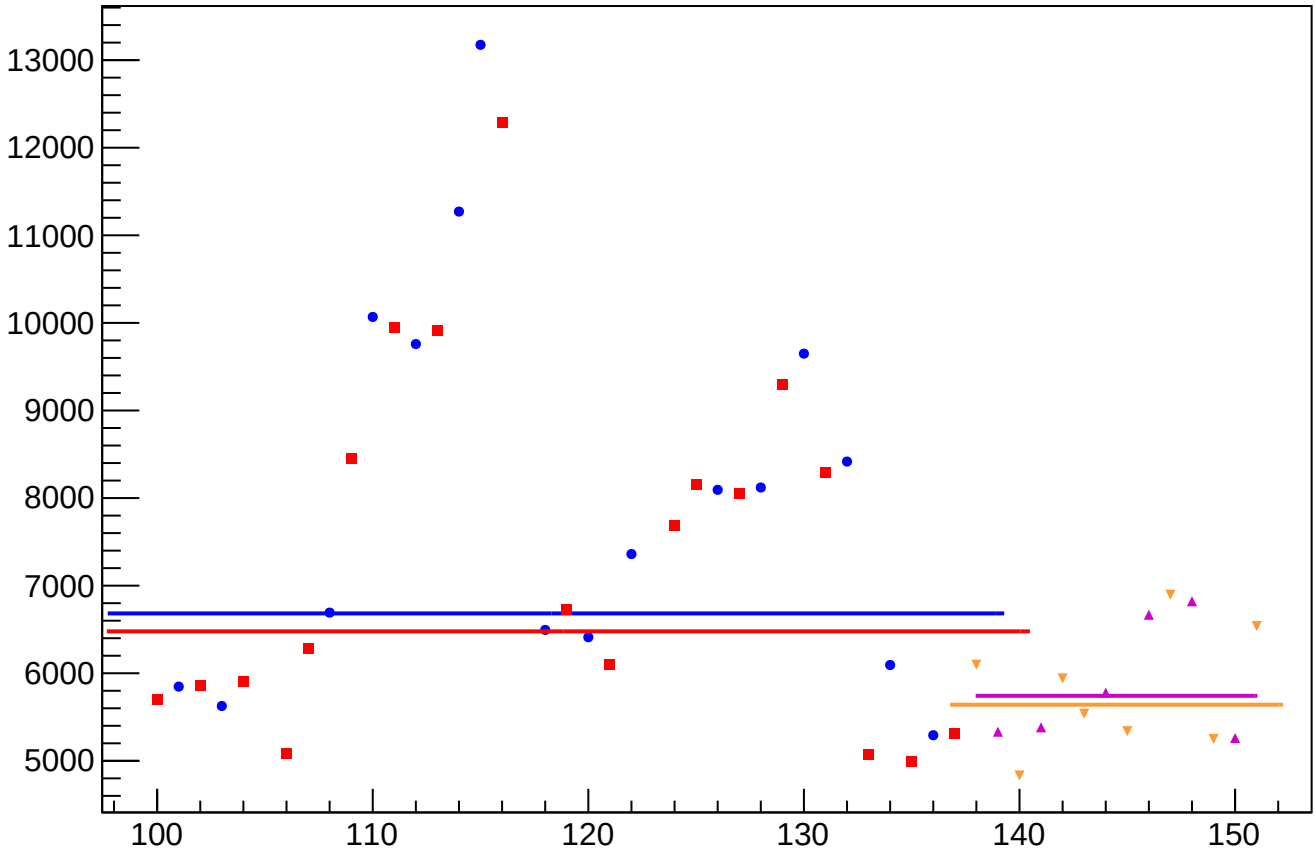
Left: 0.205+/-1.698 χ^2/NDF: 17.2/13

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -3.594+/-1.796 χ^2/NDF:20.8/21

Out: -0.642+/-1.673 χ^2/NDF:26.8/26

All: -2.013+/-1.224 χ^2/NDF: 49.1/48



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5640.848+/-1.621 χ^2/NDF:157637.3/7

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5742.548+/-1.788 χ^2/NDF:108268.9/5

Left: 5686.714+/-1.201 χ^2/NDF: 267681.5/13

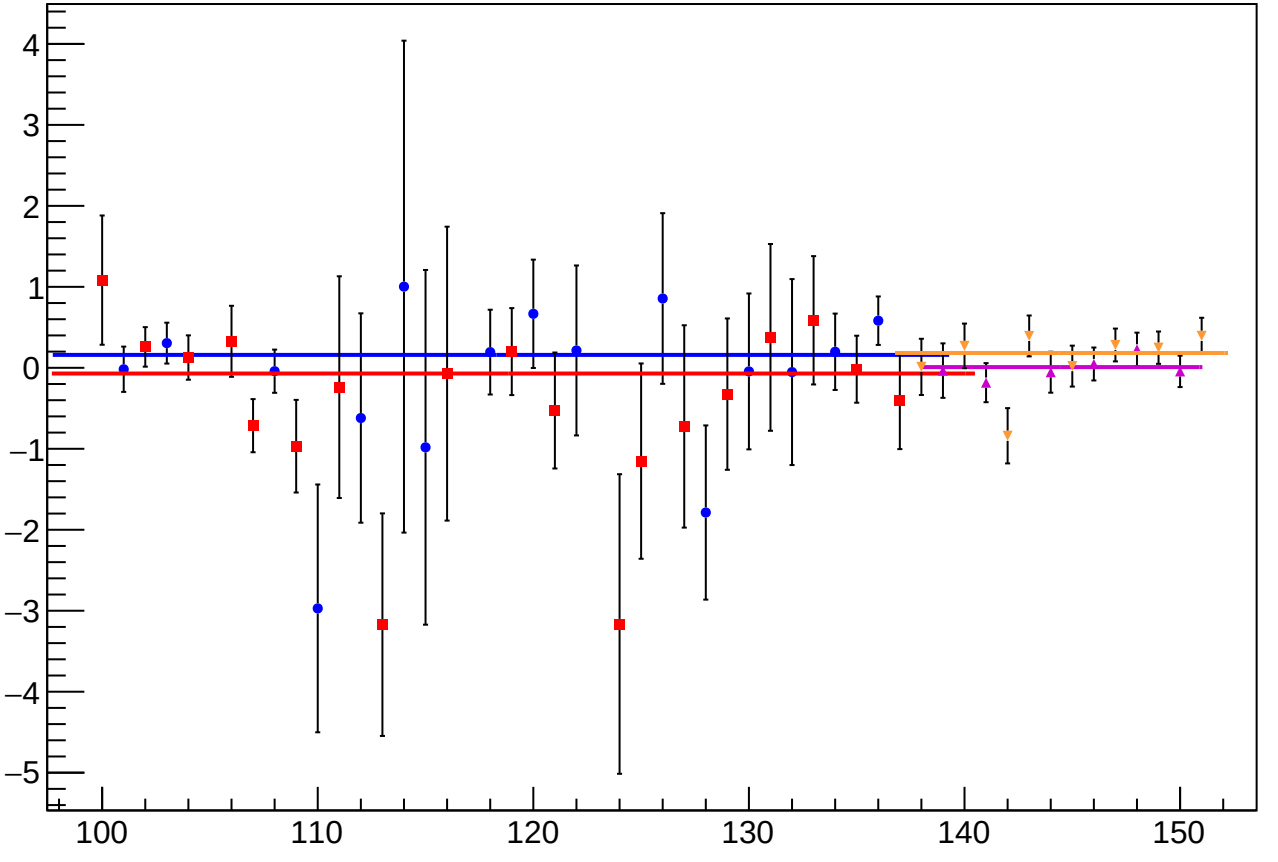
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6208.976+/-1.270 χ^2/NDF:937618.4/21

Out: 6032.298+/-1.183 χ^2/NDF:1121613.1/26

All: 6114.385+/-0.865 χ^2/NDF: 2069598.5/48

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.183+/-0.087 χ^2/NDF:11.7/7

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: 0.009+/-0.093 χ^2/NDF:2.0/5

Left: 0.101+/-0.064 χ^2/NDF: 15.5/13

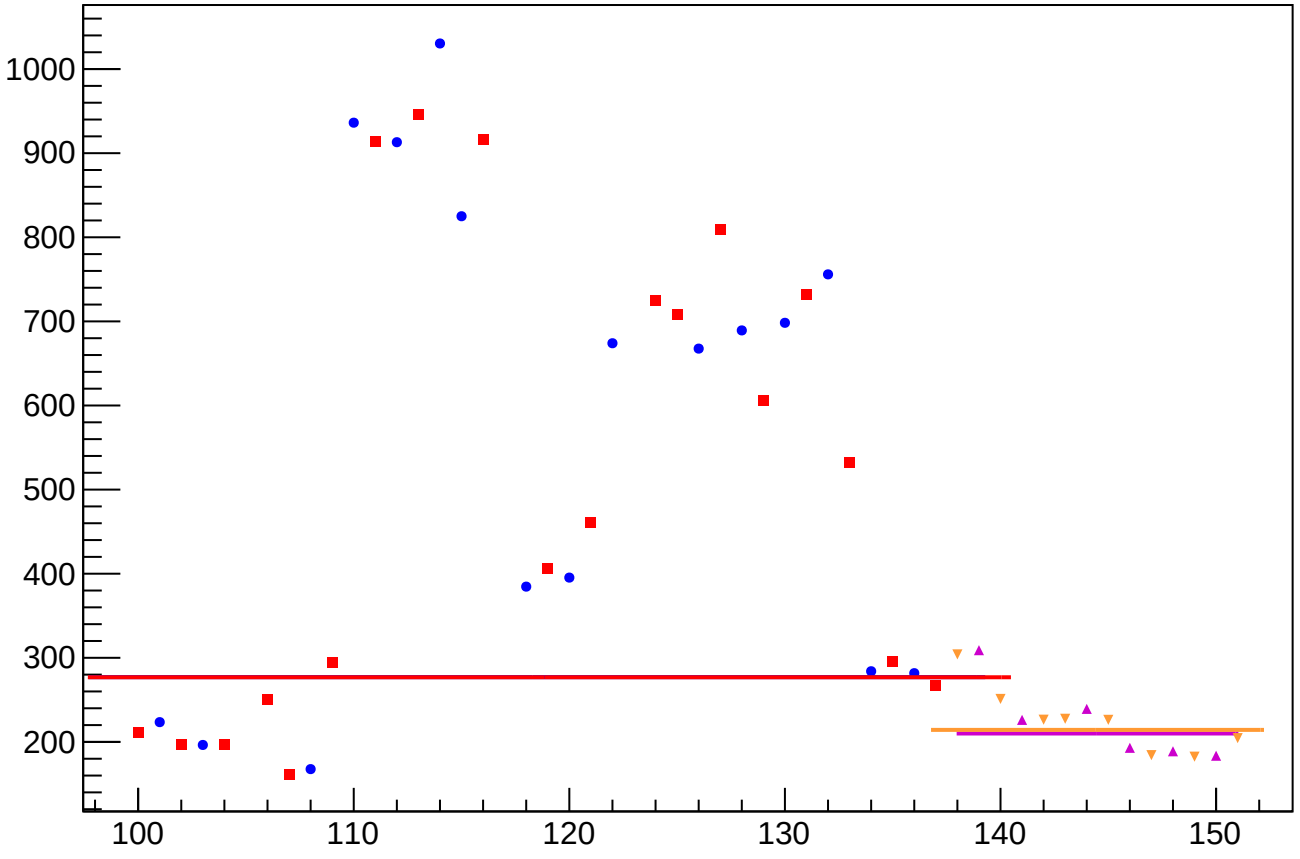
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.066+/-0.073 χ^2/NDF:15.5/21

Out: 0.095+/-0.071 χ^2/NDF:37.1/26

All: 0.081+/-0.051 χ^2/NDF: 52.7/48

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 214.304+/-0.062 χ^2/NDF:280550.8/7

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 210.010+/-0.066 χ^2/NDF:281474.9/5

Left: 212.287+/-0.045 χ^2/NDF: 564293.6/13

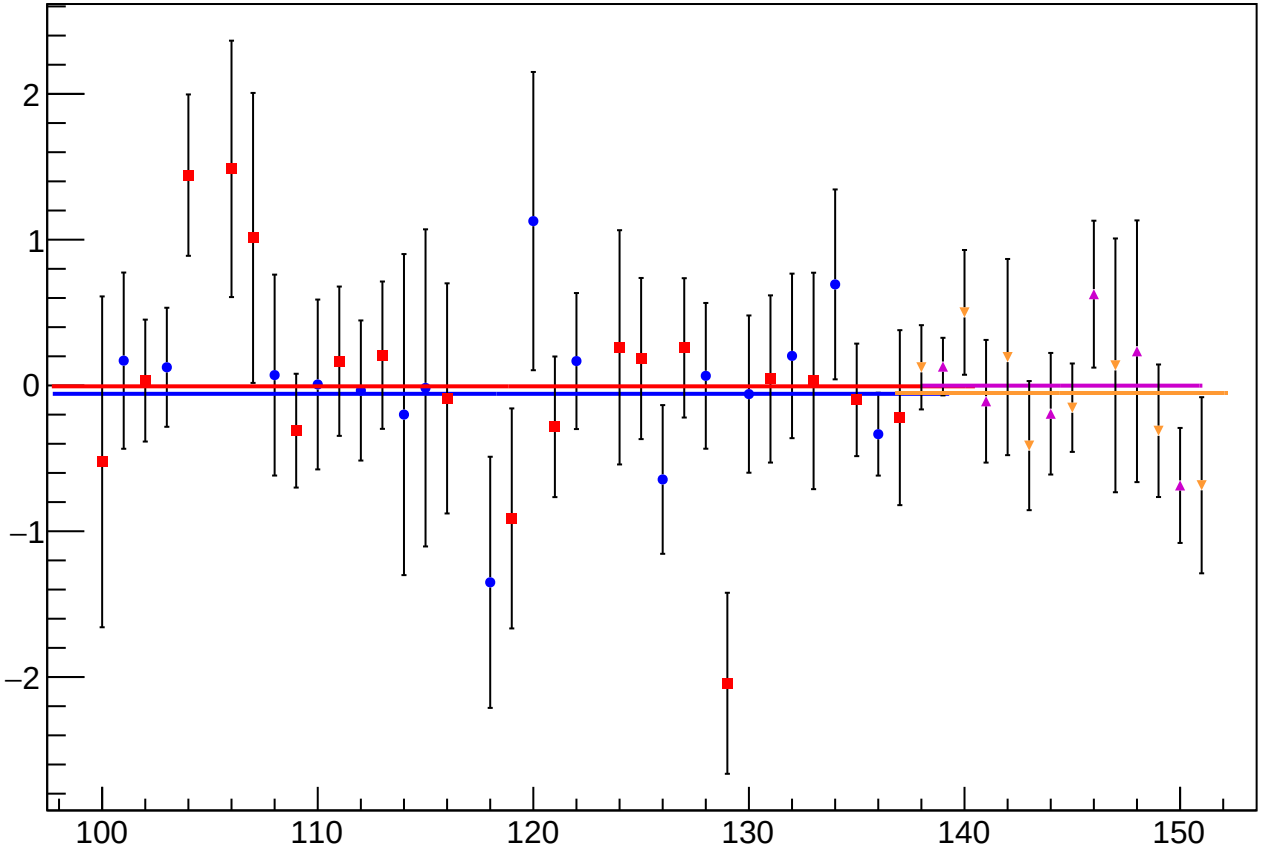
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 235.220+/-0.052 χ^2/NDF:4123731.6/21

Out: 236.060+/-0.050 χ^2/NDF:4208528.9/26

All: 235.656+/-0.036 χ^2/NDF: 8332396.8/48

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: -0.052+/-0.150 χ^2/NDF:4.4/7

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.001+/-0.143 χ^2/NDF:5.3/5

Left: -0.025+/-0.104 χ^2/NDF: 9.8/13

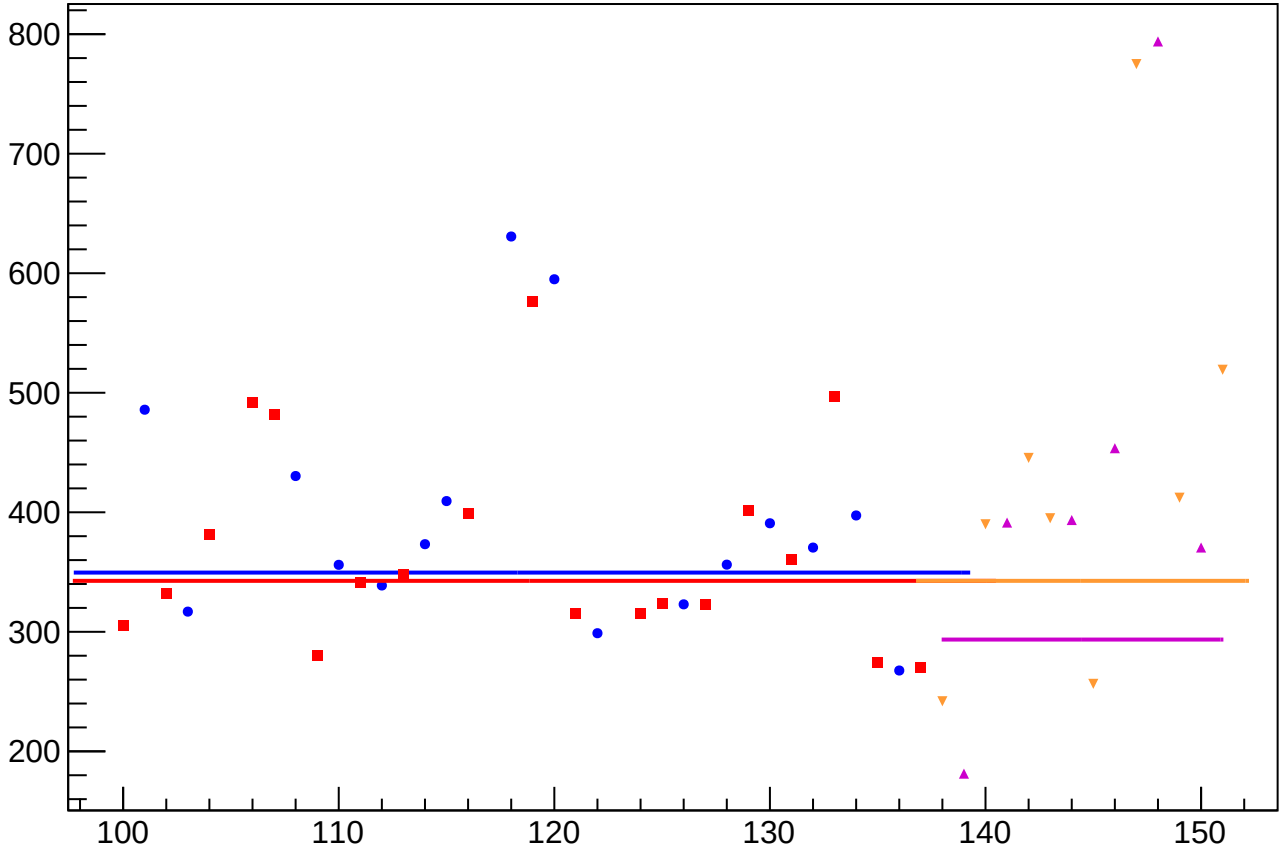
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.031+/-0.098 χ^2/NDF:13.5/21

Out: -0.025+/-0.098 χ^2/NDF:29.6/26

All: -0.028+/-0.069 χ^2/NDF: 43.2/48

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 342.641+/-0.106 χ^2/NDF:1215043.8/7

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 293.517+/-0.101 χ^2/NDF:1767891.4/5

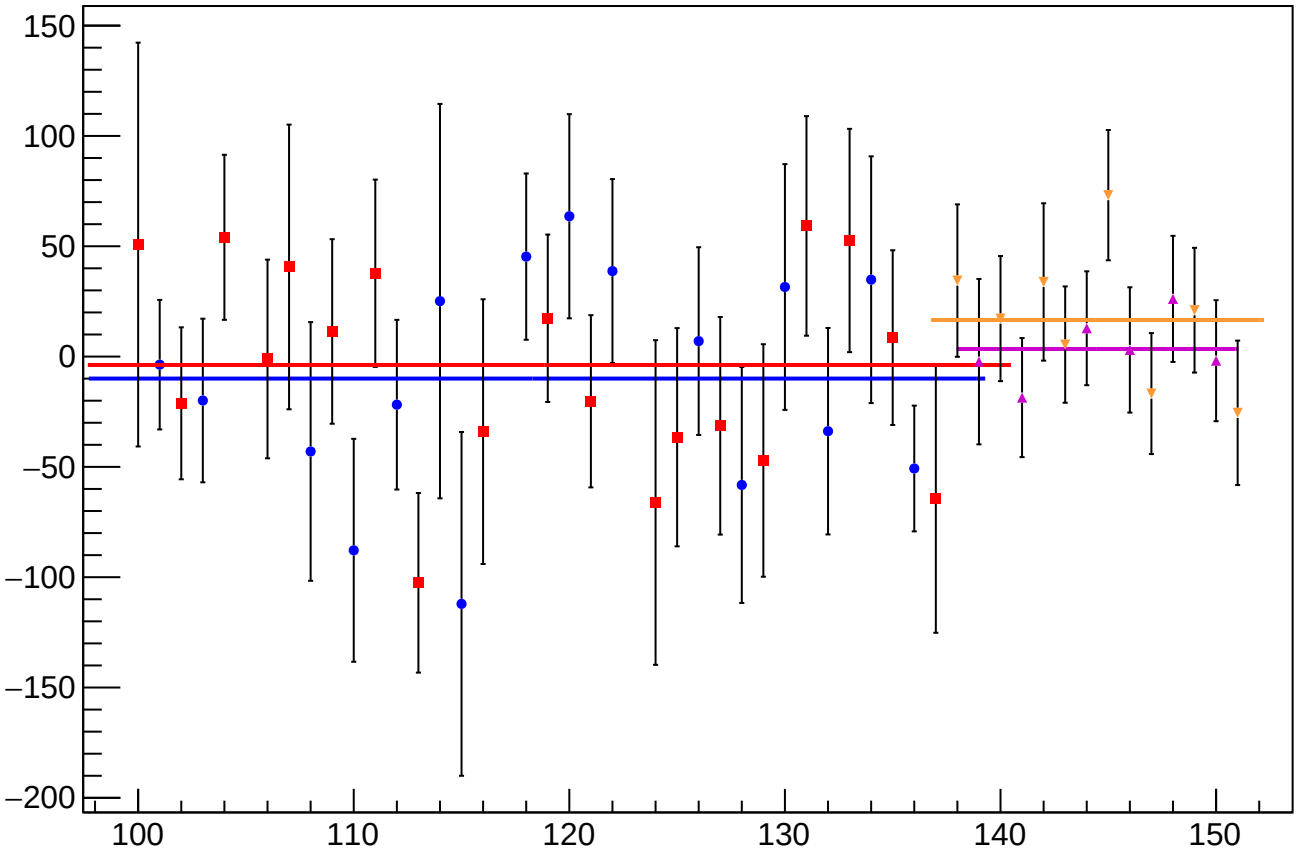
Left: 316.995+/-0.073 χ^2/NDF: 3095115.5/13

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 323.475+/-0.069 χ^2/NDF:2630500.9/21

Out: 342.641+/-0.069 χ^2/NDF:1790803.7/26

All: 333.067+/-0.049 χ^2/NDF: 4459722.6/48



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 16.585+/-10.559 χ^2/NDF:7.5/7

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.436+/-11.641 χ^2/NDF:1.5/5

Left: 10.650+/-7.821 χ^2/NDF: 9.7/13

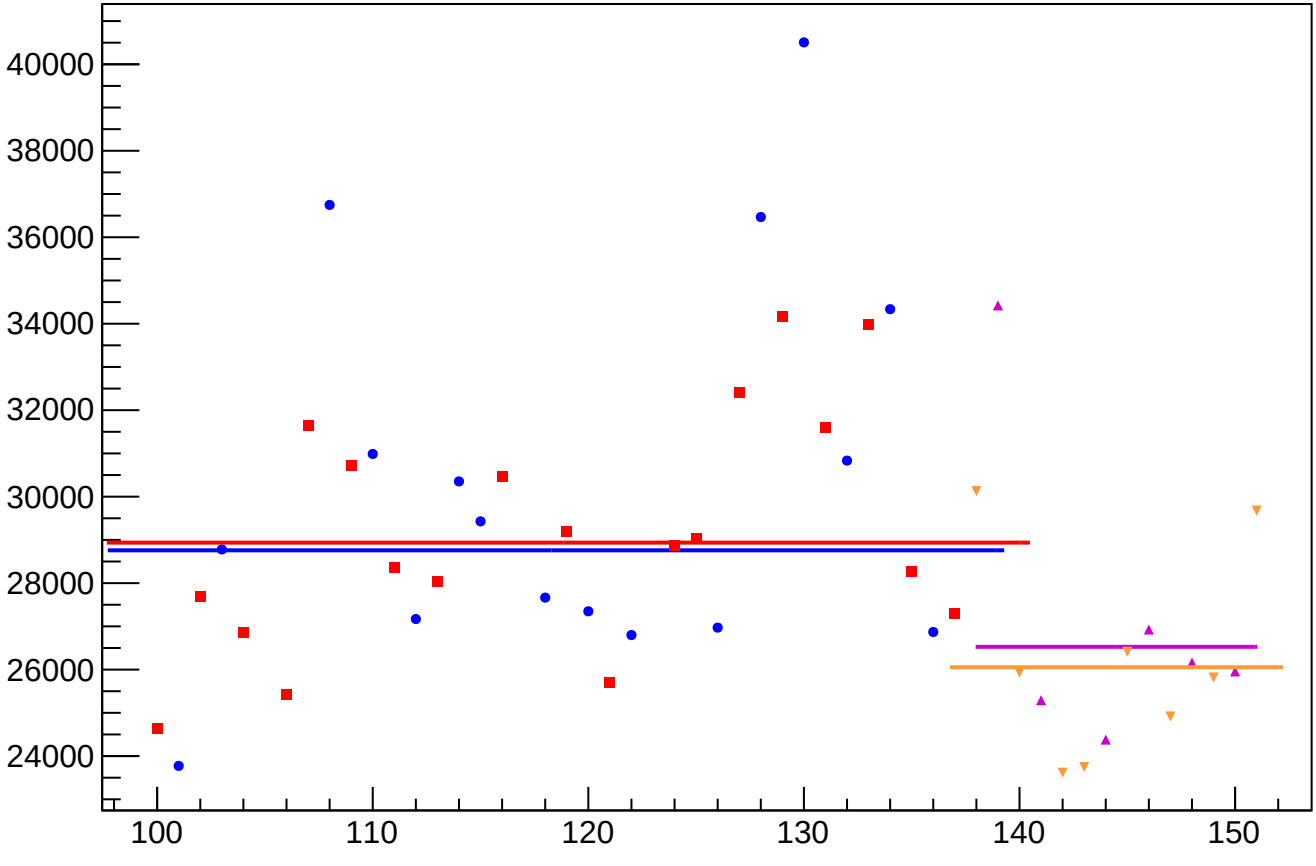
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.746+/-7.932 χ^2/NDF:17.5/21

Out: 6.460+/-7.494 χ^2/NDF:26.7/26

All: 1.647+/-5.447 χ^2/NDF: 45.0/48

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26054.212+/-7.466 χ^2/NDF:80901.4/7

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26527.155+/-8.232 χ^2/NDF:108352.4/5

Left: 26267.686+/-5.530 χ^2/NDF: 191064.9/13

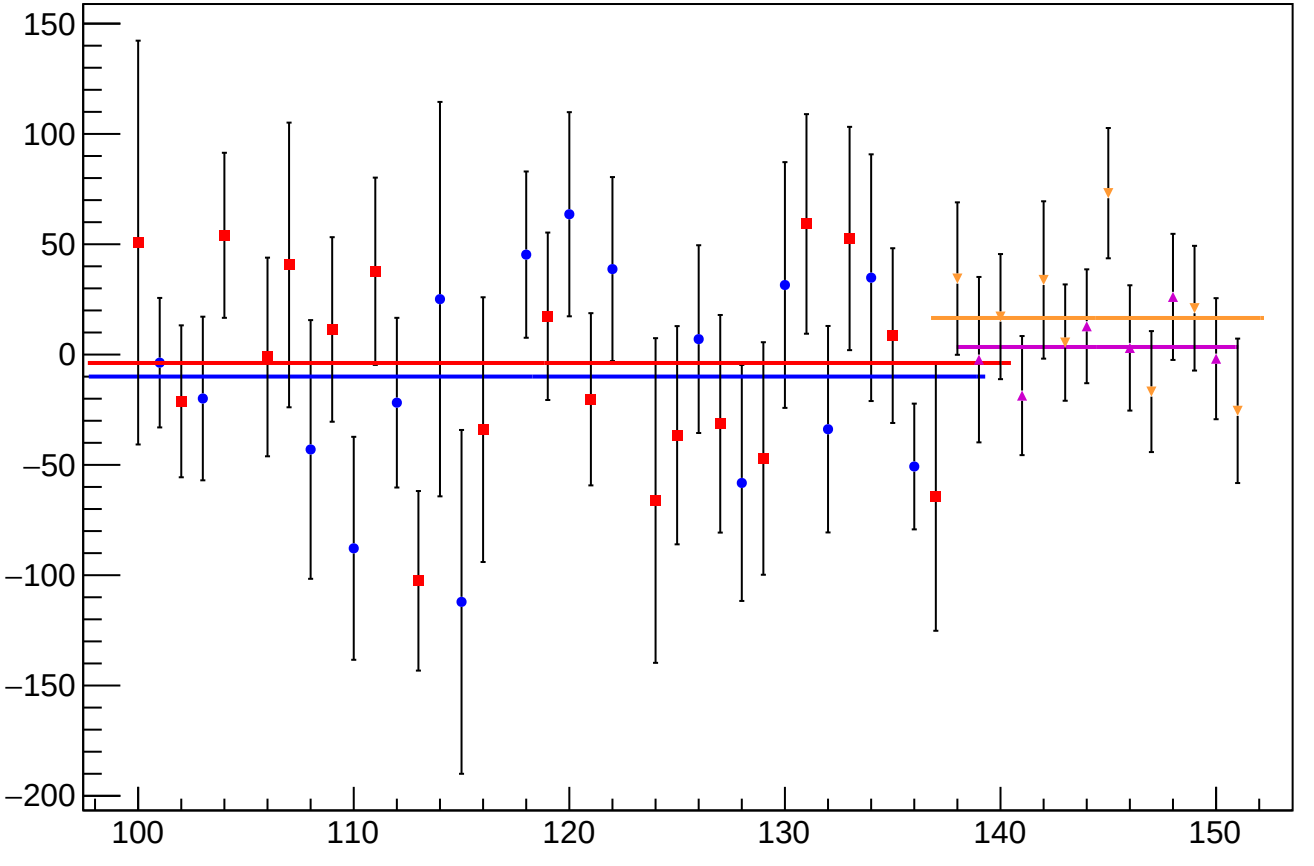
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 27722.948+/-5.609 χ^2/NDF:425380.9/21

Out: 27485.436+/-5.299 χ^2/NDF:261194.1/26

All: 27597.451+/-3.852 χ^2/NDF: 687522.6/48

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 16.585+/-10.559 χ^2/NDF:7.5/7

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.436+/-11.641 χ^2/NDF:1.5/5

Left: 10.650+/-7.821 χ^2/NDF: 9.7/13

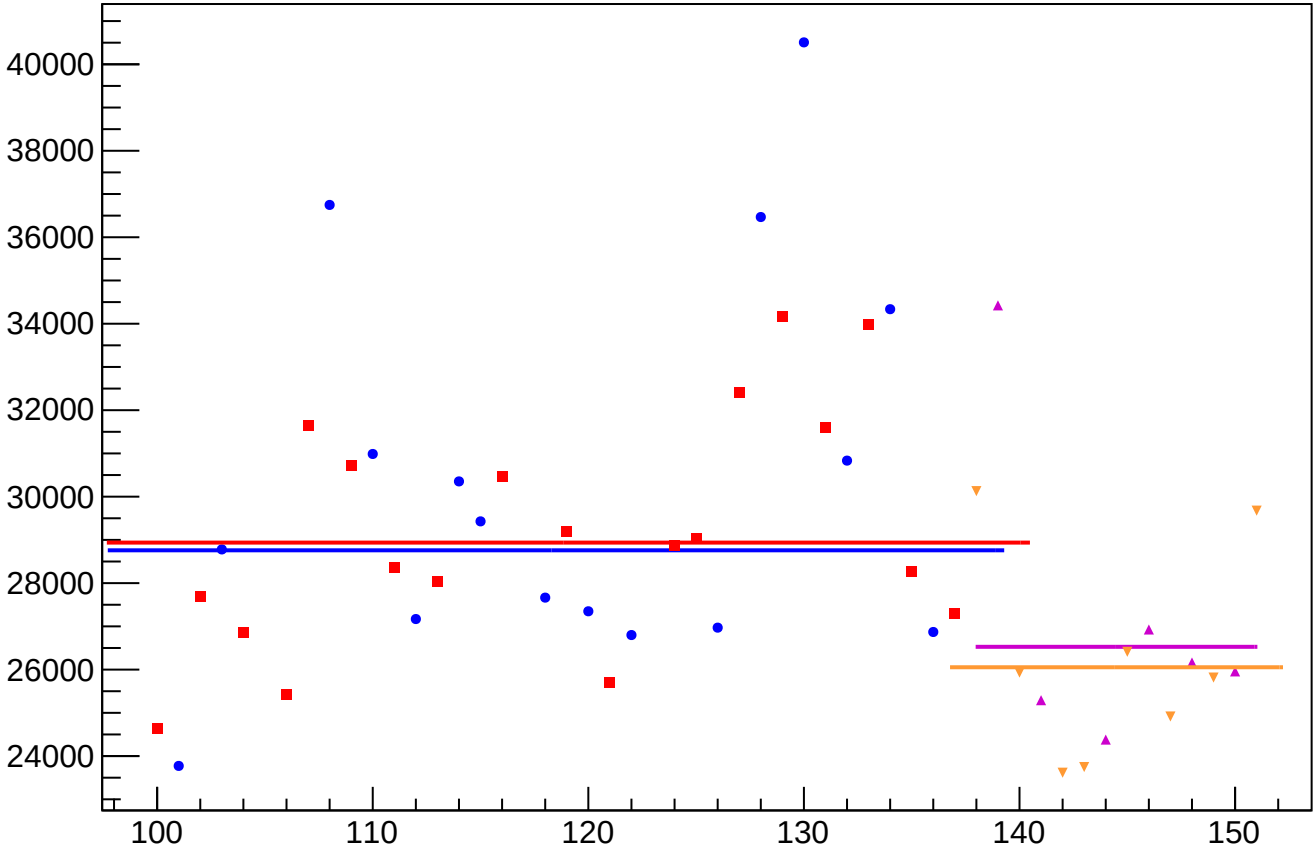
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.746+/-7.932 χ^2/NDF:17.5/21

Out: 6.460+/-7.494 χ^2/NDF:26.7/26

All: 1.647+/-5.447 χ^2/NDF: 45.0/48

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26054.212+/-7.466 χ^2/NDF:80901.4/7

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26527.155+/-8.232 χ^2/NDF:108352.4/5

Left: 26267.686+/-5.530 χ^2/NDF: 191064.9/13

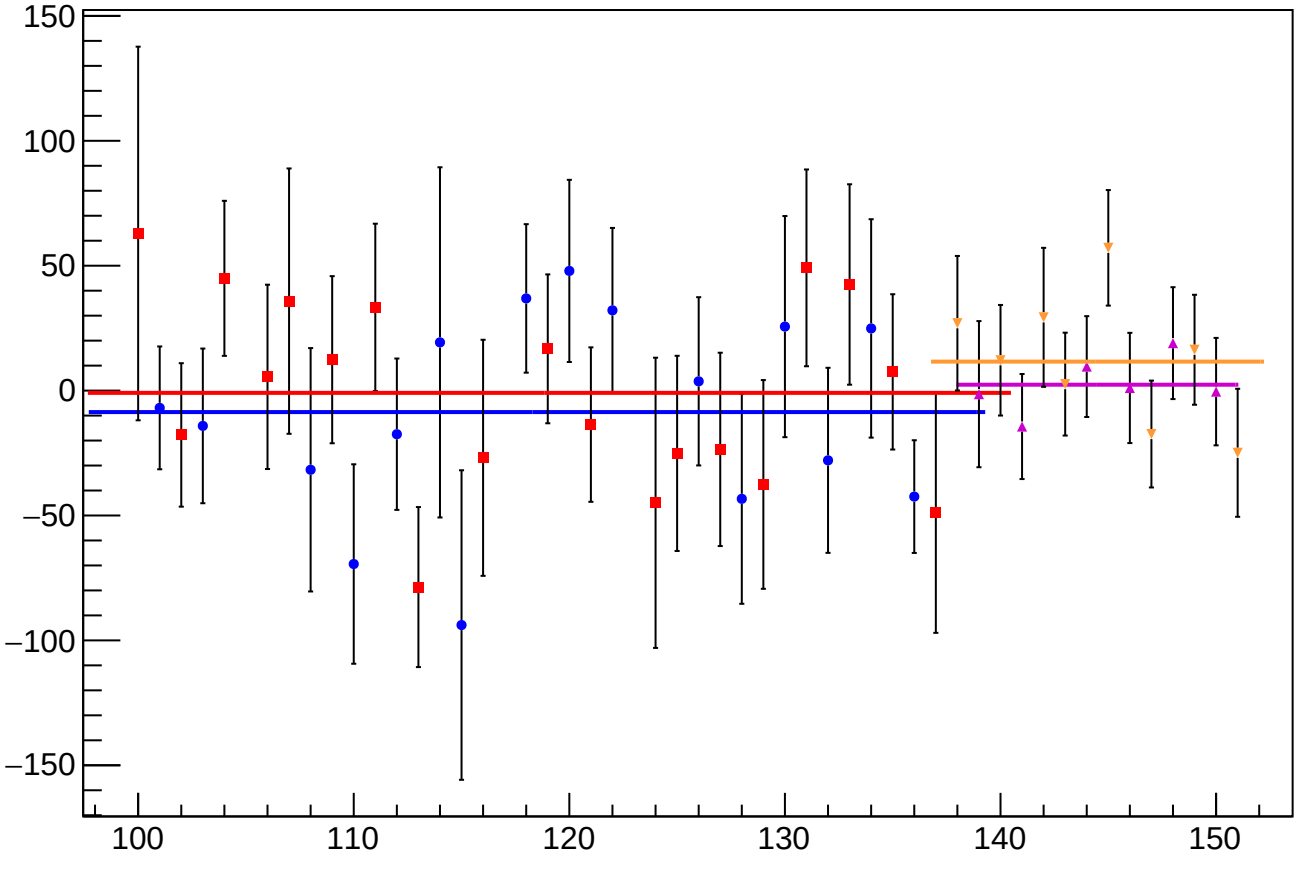
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 27722.948+/-5.609 χ^2/NDF:425380.9/21

Out: 27485.436+/-5.299 χ^2/NDF:261194.1/26

All: 27597.451+/-3.852 χ^2/NDF: 687522.6/48

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 11.600+/-8.244 χ^2/NDF:8.7/7

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 2.360+/-9.094 χ^2/NDF:1.4/5

Left: 7.432+/-6.108 χ^2/NDF: 10.6/13

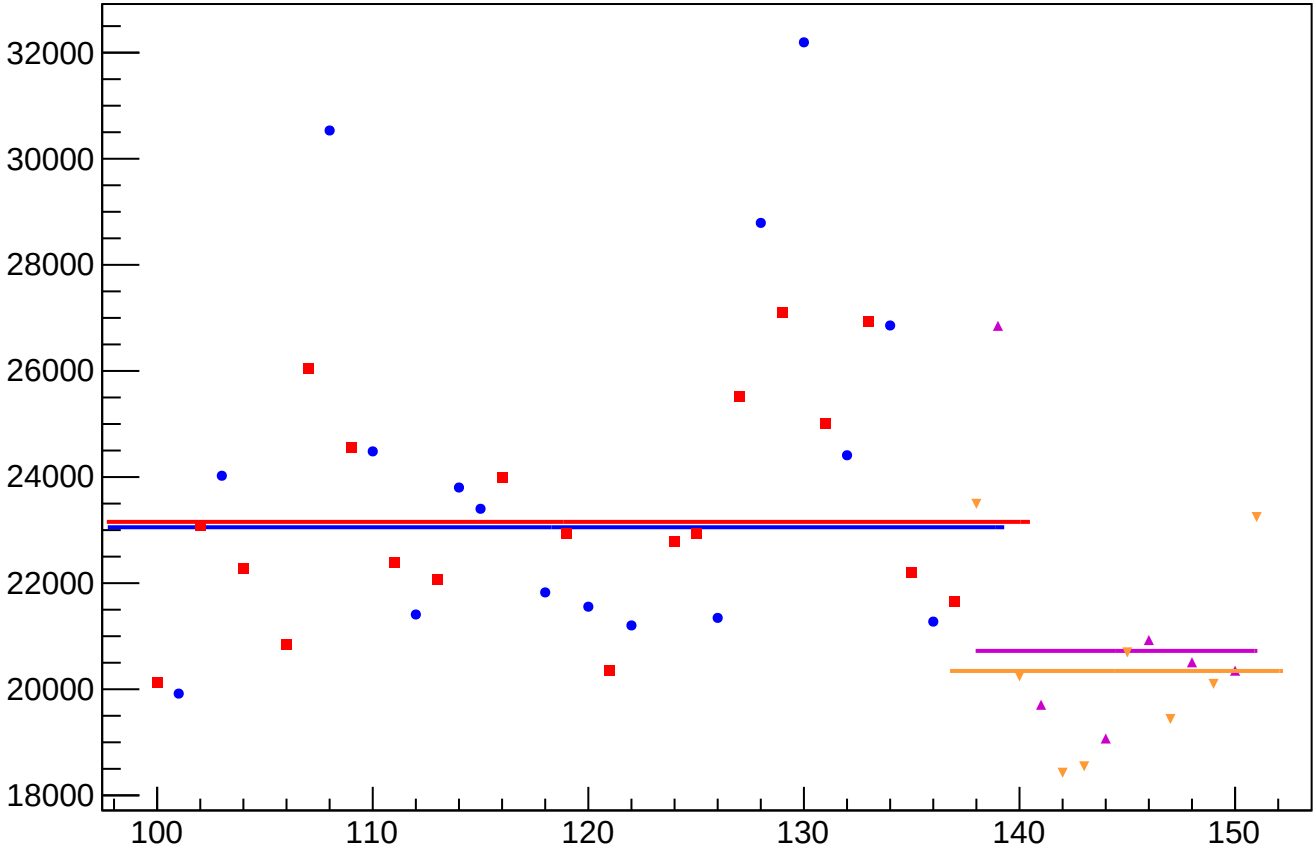
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -3.375+/-6.278 χ^2/NDF:17.6/21

Out: 5.543+/-5.920 χ^2/NDF:27.4/26

All: 1.346+/-4.307 χ^2/NDF: 46.1/48

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20345.123+/-5.830 χ^2/NDF:82085.0/7

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 20723.213+/-6.430 χ^2/NDF:106765.1/5

Left: 20515.692+/-4.319 χ^2/NDF: 190747.7/13

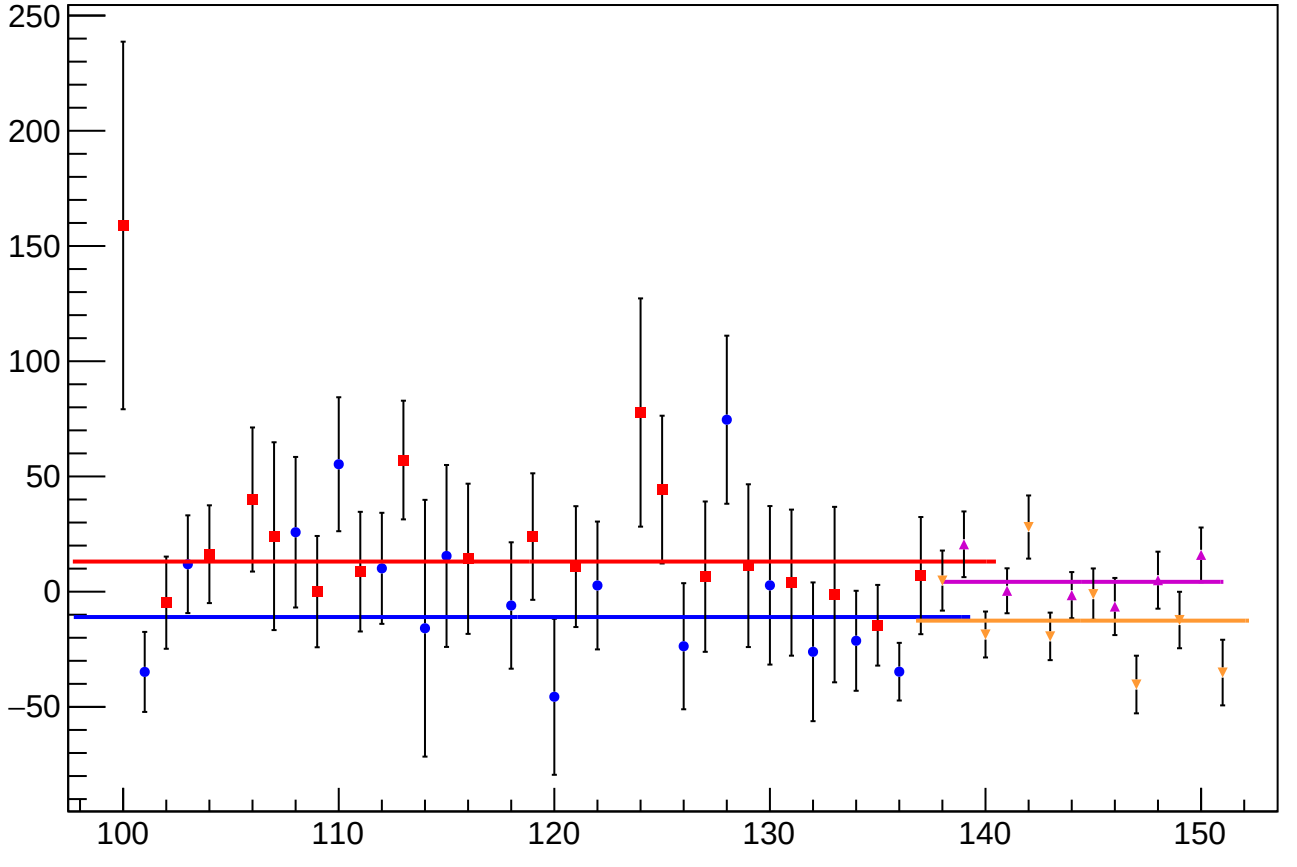
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 21942.989+/-4.439 χ^2/NDF:436966.9/21

Out: 21706.335+/-4.186 χ^2/NDF:288533.7/26

All: 21817.716+/-3.046 χ^2/NDF: 727004.8/48

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.571+/-4.199 χ^2/NDF:19.8/7

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 4.267+/-4.686 χ^2/NDF:3.5/5

Left: -5.073+/-3.127 χ^2/NDF: 30.5/13

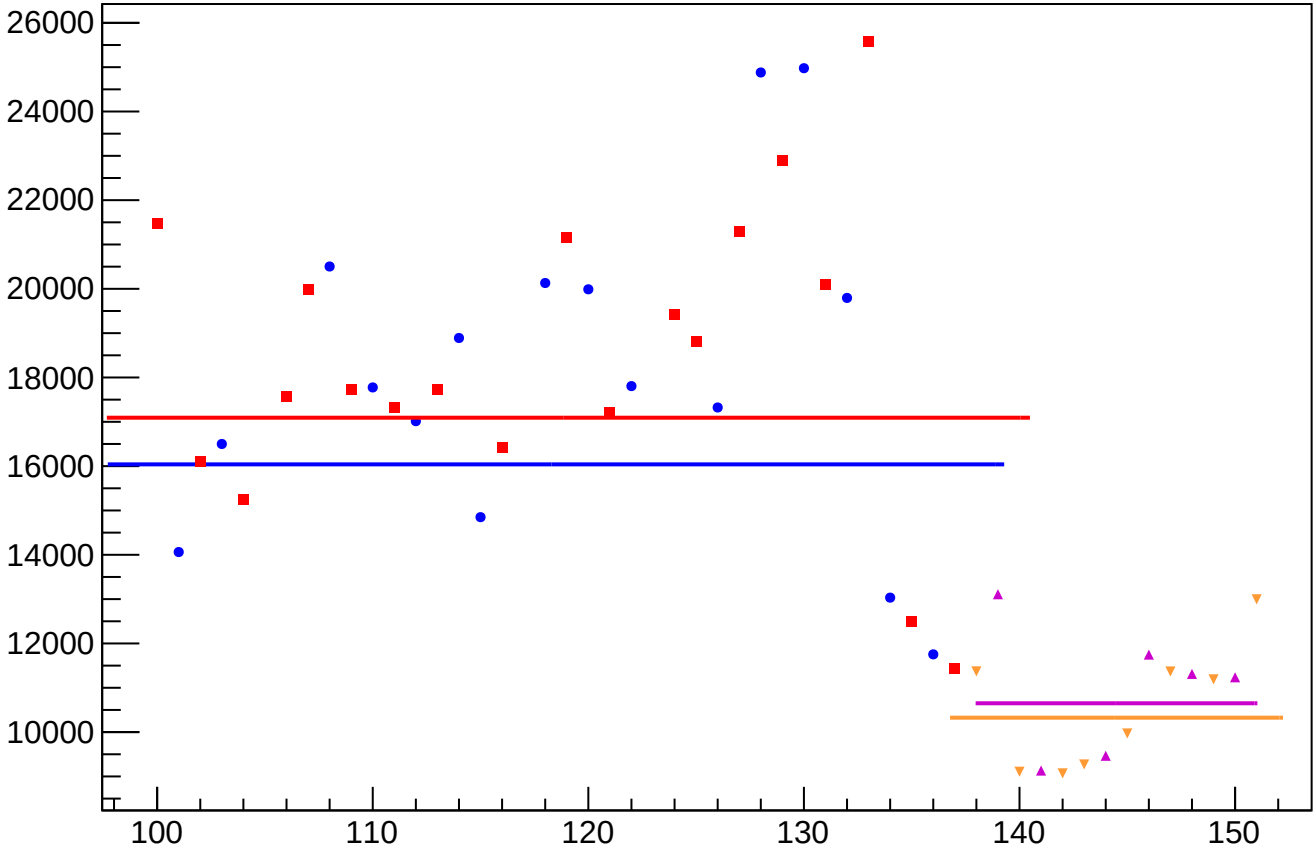
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -1.336+/-3.728 χ^2/NDF:29.4/21

Out: -4.825+/-3.508 χ^2/NDF:45.0/26

All: -3.187+/-2.555 χ^2/NDF: 74.9/48

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10325.414+/-2.969 χ^2/NDF:176768.2/7

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10650.449+/-3.314 χ^2/NDF:162256.7/5

Left: 10470.150+/-2.211 χ^2/NDF: 344362.3/13

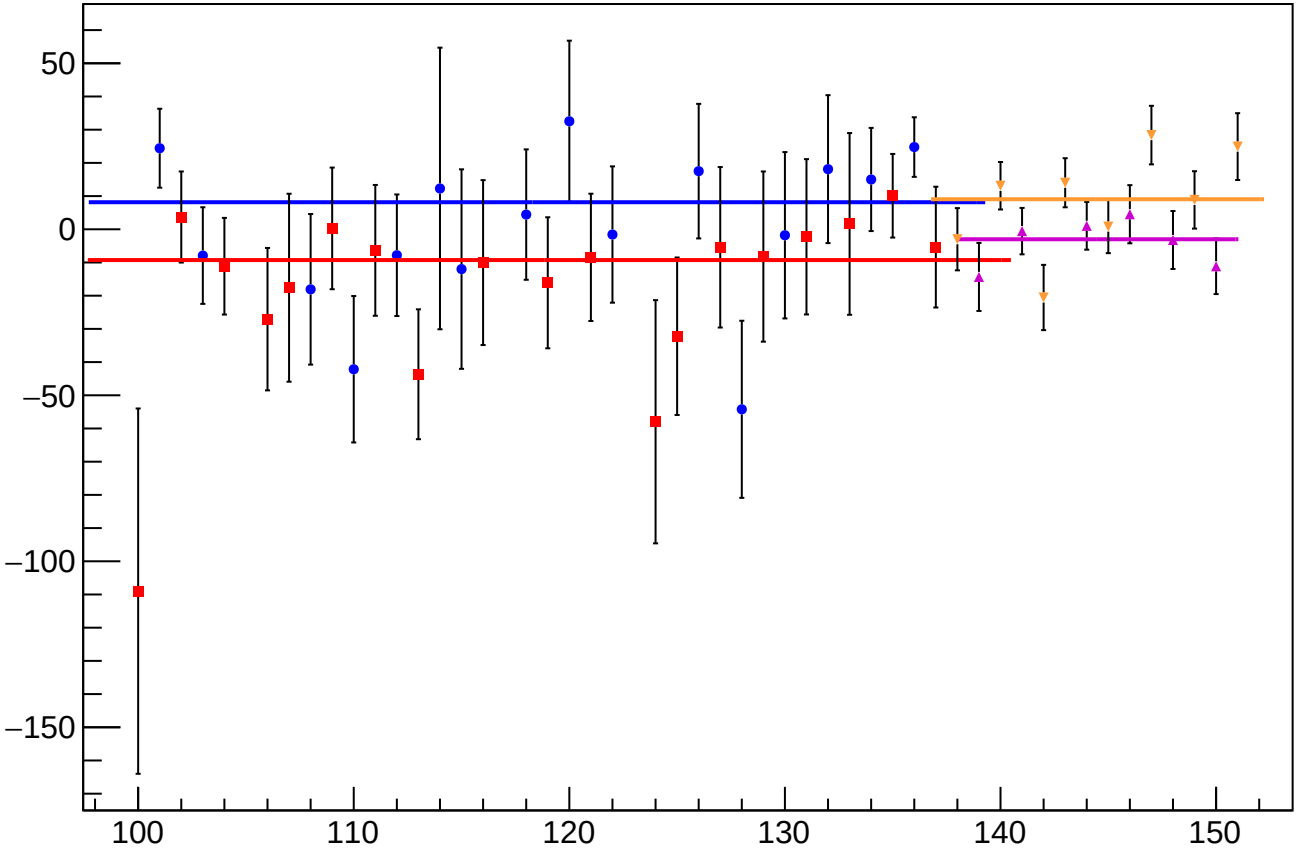
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12628.216+/-2.636 χ^2/NDF:1855743.9/21

Out: 12369.647+/-2.480 χ^2/NDF:2281729.3/26

All: 12491.046+/-1.806 χ^2/NDF: 4142576.0/4

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 9.055+/-2.997 χ^2/NDF:19.8/7

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -3.001+/-3.338 χ^2/NDF:3.4/5

Left: 3.674+/-2.230 χ^2/NDF: 30.4/13

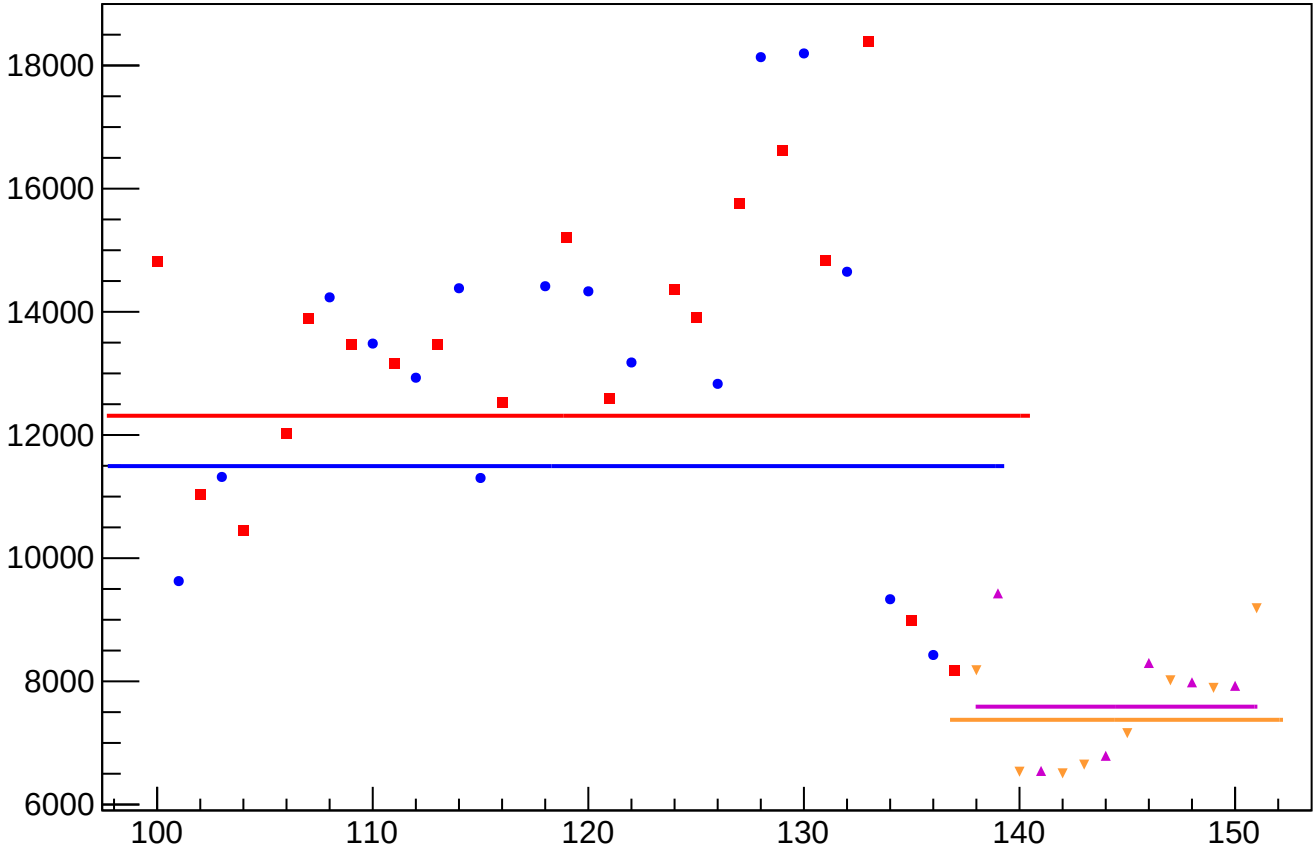
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 1.045+/-2.664 χ^2/NDF:29.2/21

Out: 3.606+/-2.512 χ^2/NDF:44.8/26

All: 2.401+/-1.828 χ^2/NDF: 74.5/48

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7375.668+/-2.119 χ^2/NDF:161551.8/7

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7588.991+/-2.360 χ^2/NDF:154104.3/5

Left: 7470.885+/-1.577 χ^2/NDF: 320178.9/13

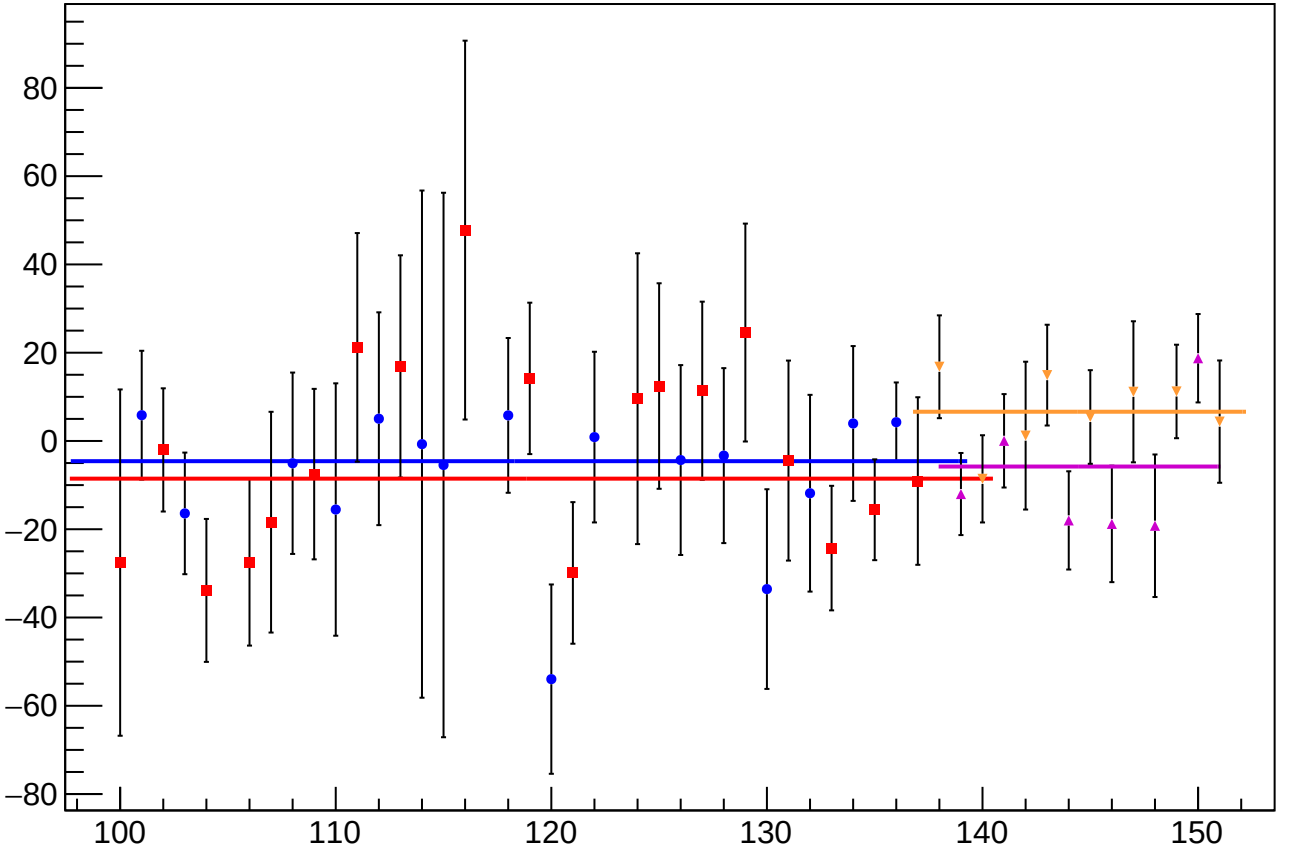
Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 9006.369+/-1.884 χ^2/NDF:1937930.1/21

Out: 8843.582+/-1.776 χ^2/NDF:2373967.2/26

All: 8920.198+/-1.292 χ^2/NDF: 4315849.7/48

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.625+/-4.234 χ^2/NDF:4.1/7

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -5.793+/-4.559 χ^2/NDF:9.6/5

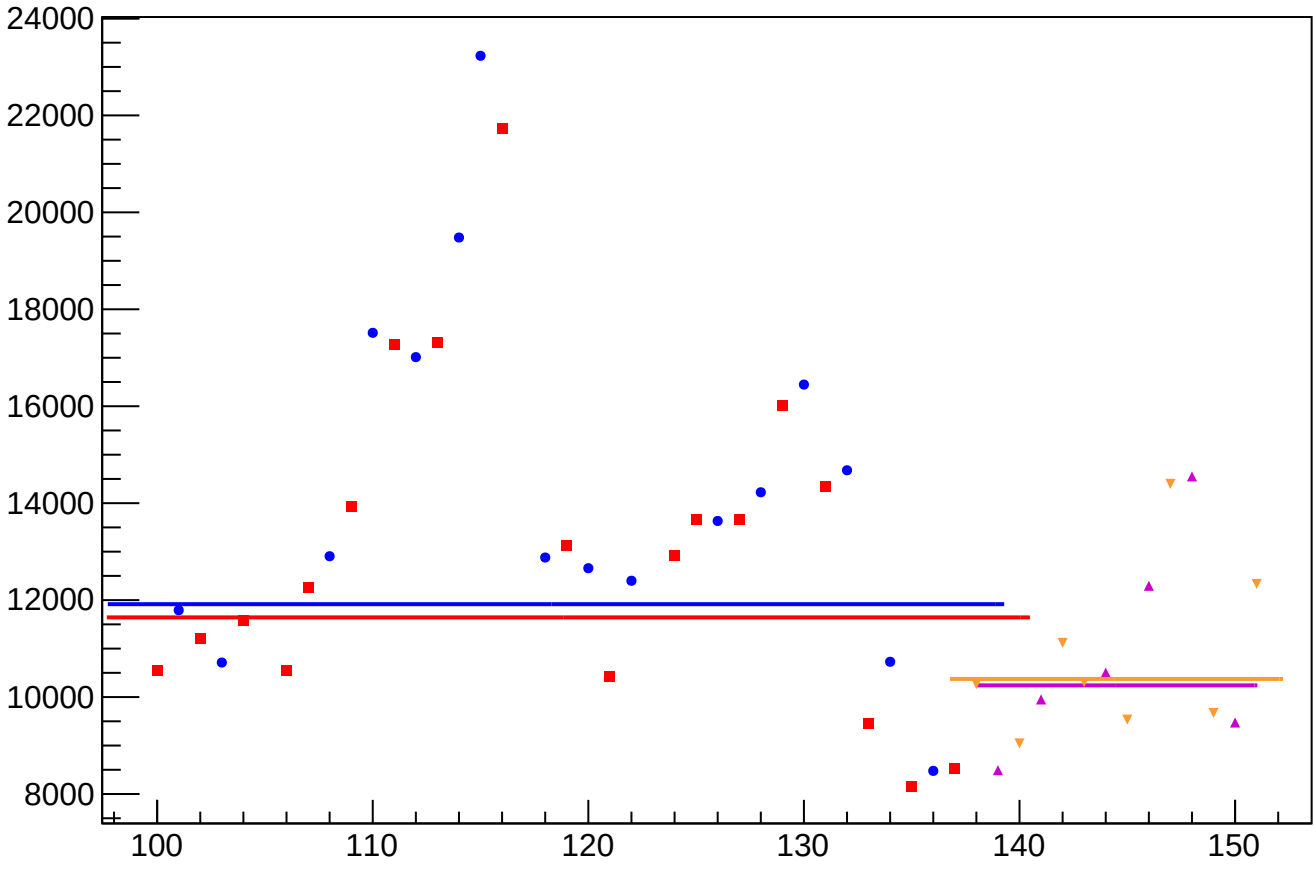
Left: 0.874+/-3.103 χ^2/NDF: 17.7/13

Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -5.185+/-3.222 χ^2/NDF:19.9/21

Out: -0.679+/-3.048 χ^2/NDF:27.4/26

All: -2.807+/-2.214 χ^2/NDF: 48.4/48



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10373.983+/-2.994 χ^2/NDF:228584.5/7

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10241.886+/-3.224 χ^2/NDF:276071.8/5

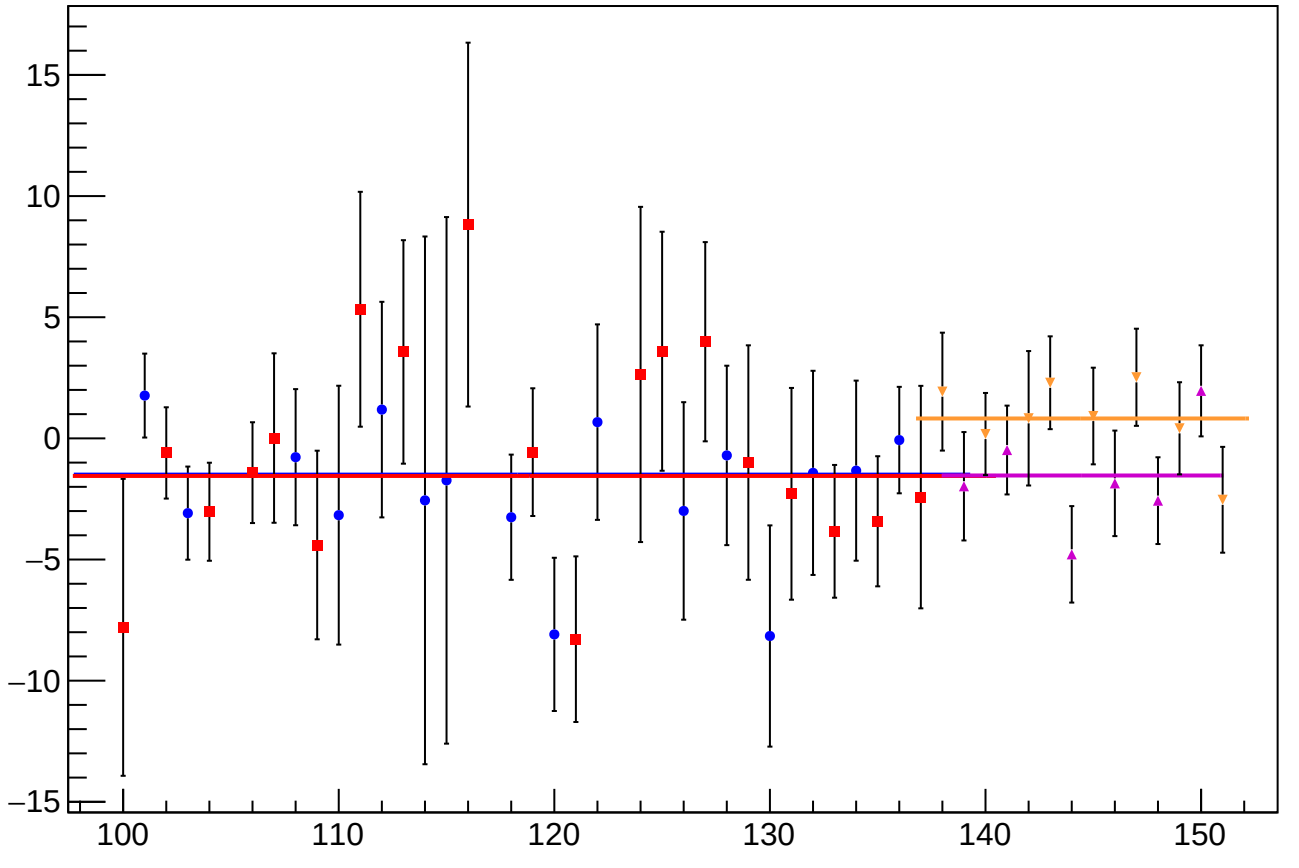
Left: 10312.808+/-2.194 χ^2/NDF: 505557.7/13

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11080.059+/-2.278 χ^2/NDF:1160889.6/21

Out: 10985.558+/-2.156 χ^2/NDF:1105559.8/26

All: 11030.194+/-1.566 χ^2/NDF: 2267357.2/4



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 0.821+/-0.724 χ^2/NDF:4.1/7

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.532+/-0.802 χ^2/NDF:6.9/5

Left: -0.237+/-0.537 χ^2/NDF: 15.7/13

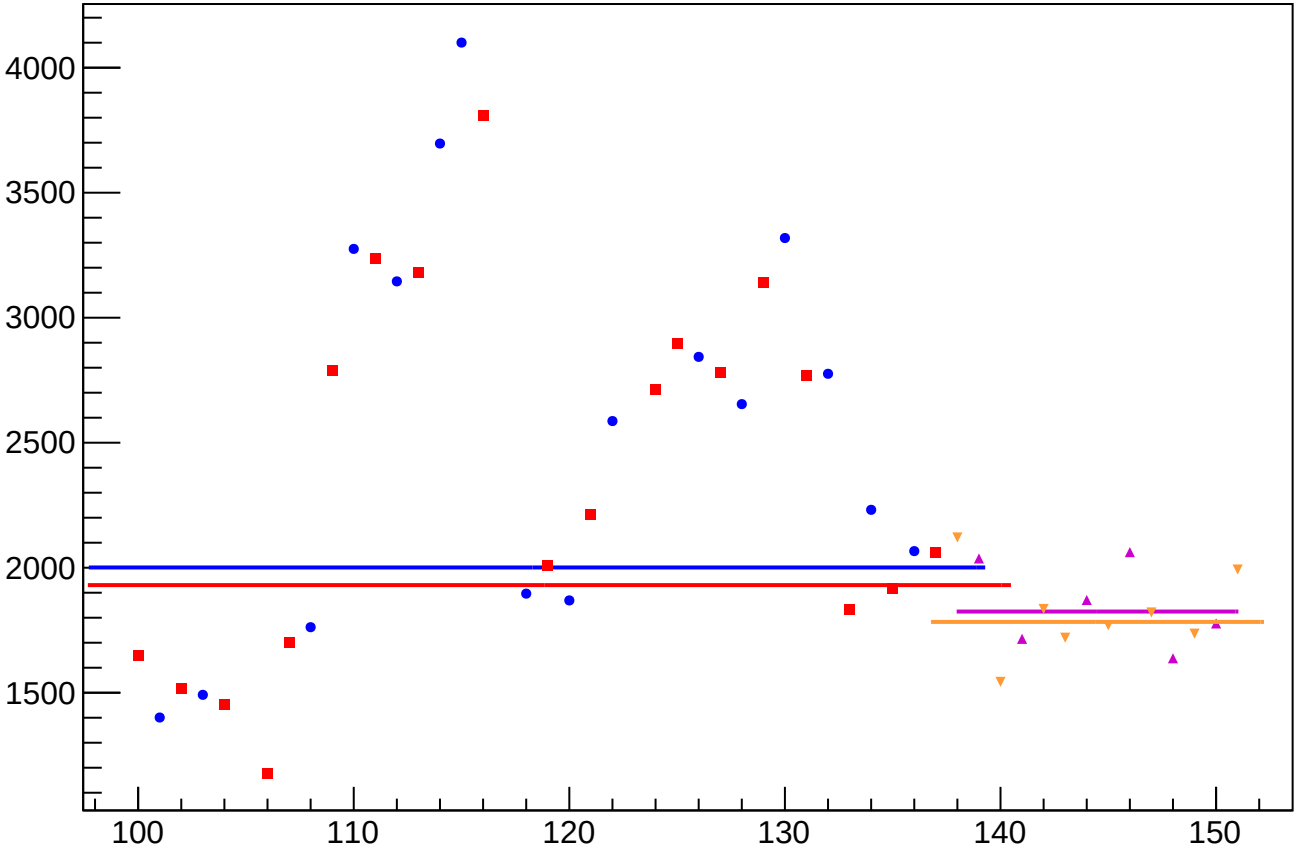
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.514+/-0.558 χ^2/NDF:19.4/21

Out: -0.332+/-0.519 χ^2/NDF:25.6/26

All: -0.880+/-0.380 χ^2/NDF: 47.4/48

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1783.265+/-0.512 χ^2/NDF:101859.2/7

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1824.679+/-0.567 χ^2/NDF:73101.8/5

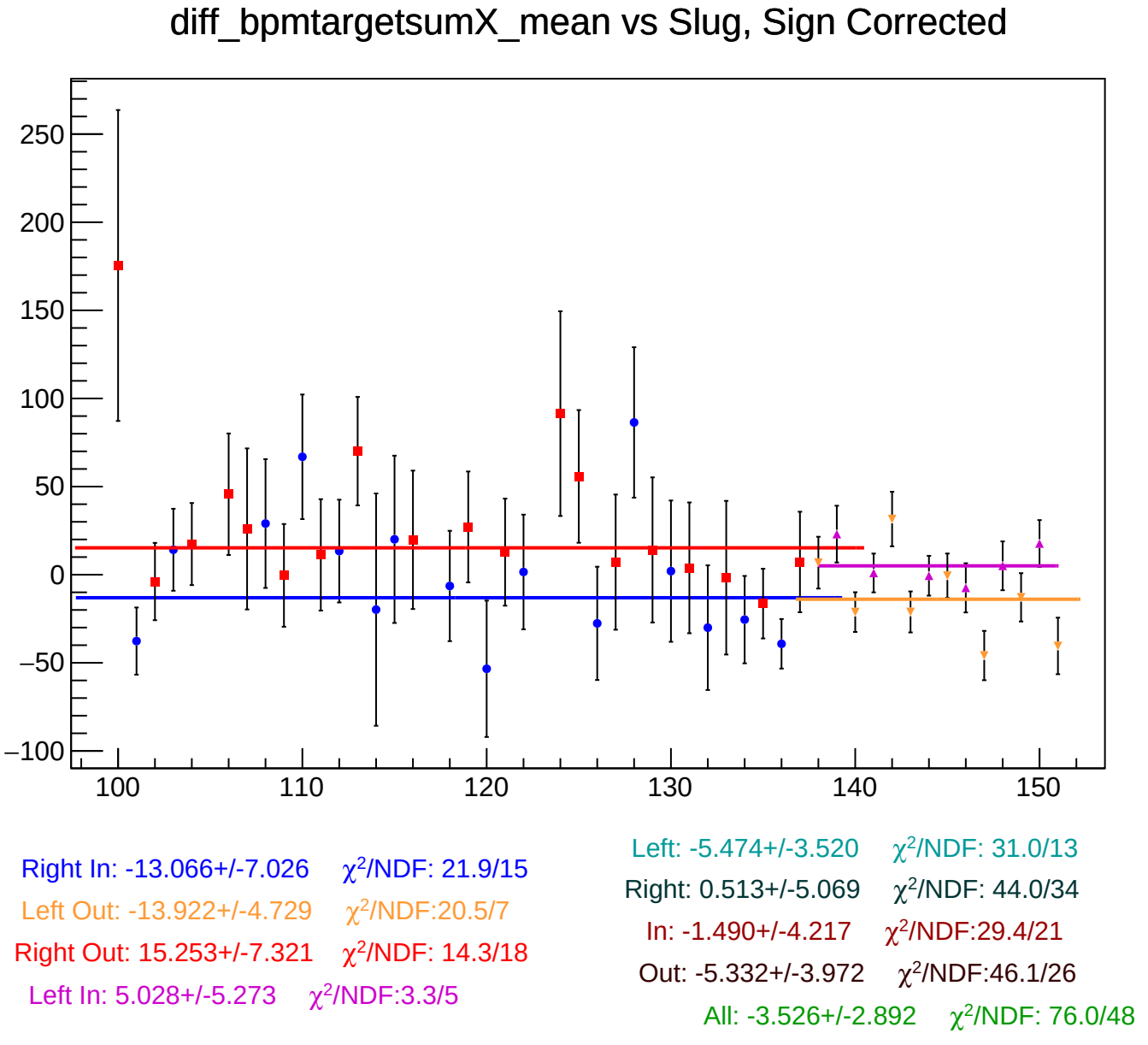
Left: 1801.880+/-0.380 χ^2/NDF: 177899.0/13

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

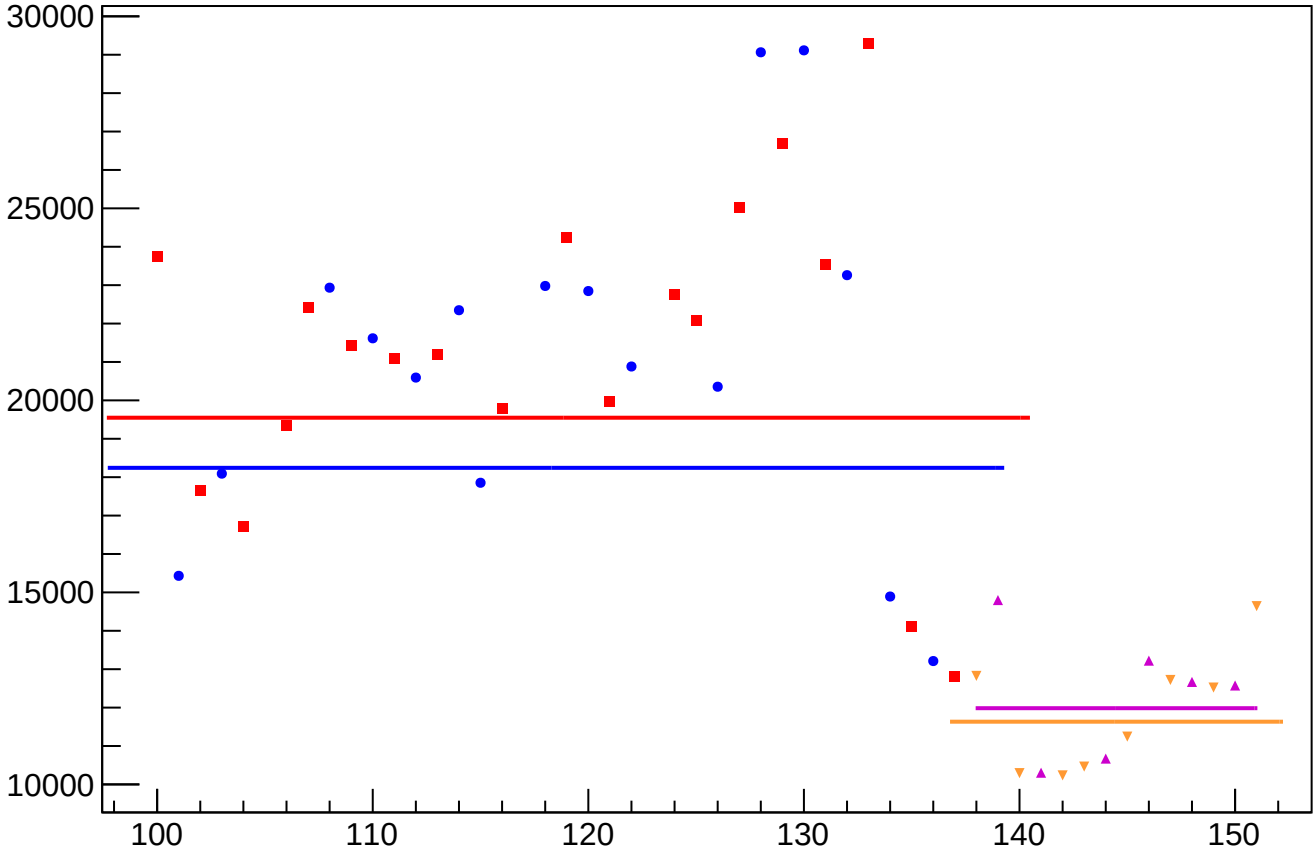
In: 1915.459+/-0.395 χ^2/NDF:1312691.2/21

Out: 1854.836+/-0.367 χ^2/NDF:1545553.9/26

All: 1882.944+/-0.269 χ^2/NDF: 2870887.8/48


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -13.922+/-4.729 χ²/NDF:20.5/7
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 5.028+/-5.273 χ²/NDF:3.3/5
Left: -5.474+/-3.520 χ²/NDF: 31.0/13
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -1.490+/-4.217 χ²/NDF:29.4/21
Out: -5.332+/-3.972 χ²/NDF:46.1/26
All: -3.526+/-2.892 χ²/NDF: 76.0/48

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11633.126+/-3.344 χ^2/NDF:170703.7/7

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11984.534+/-3.728 χ^2/NDF:159377.1/5

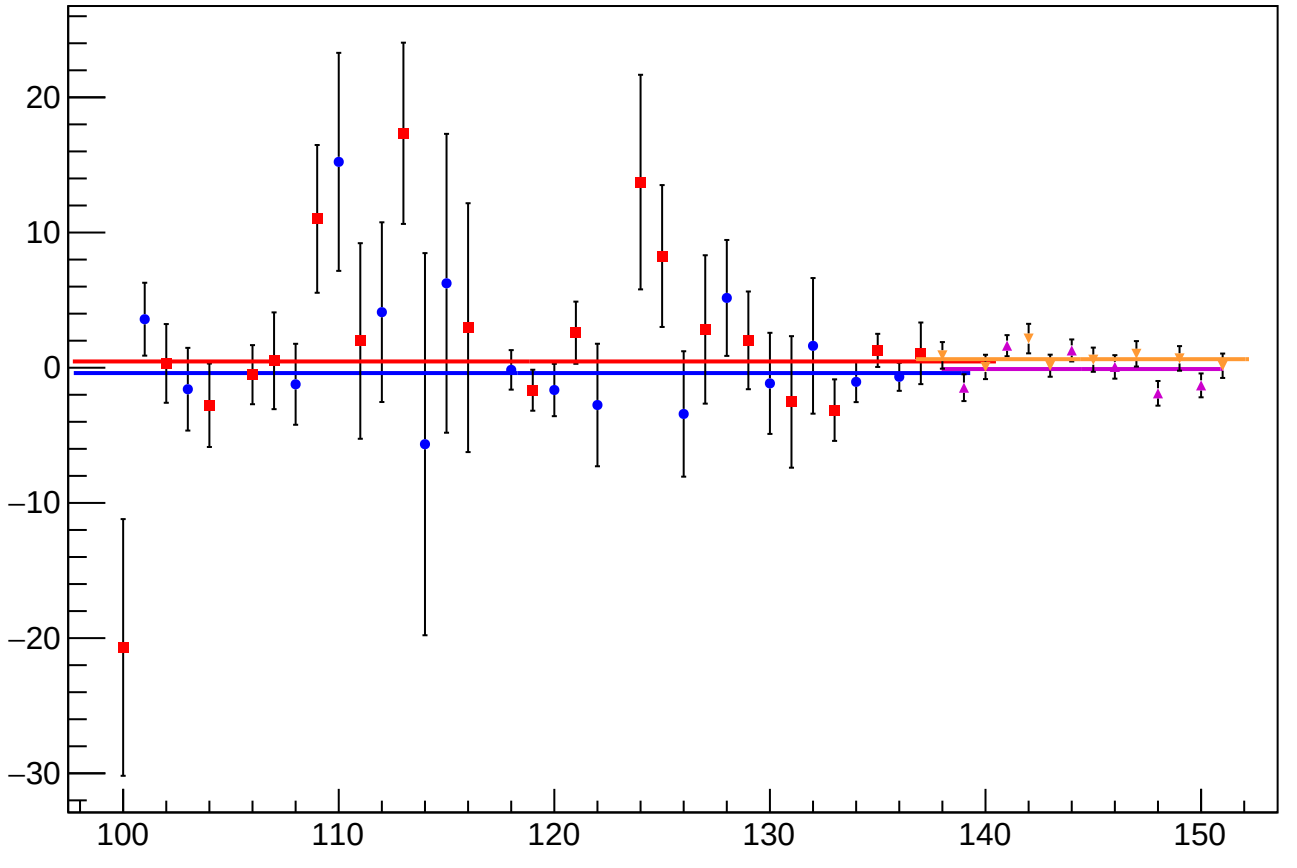
Left: 11789.787+/-2.489 χ^2/NDF: 335004.1/13

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14239.240+/-2.982 χ^2/NDF:1994432.3/21

Out: 13963.611+/-2.809 χ^2/NDF:2442115.3/26

All: 14093.188+/-2.045 χ^2/NDF: 4441074.5/4



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.633+/-0.326 χ^2/NDF:3.3/7

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.097+/-0.354 χ^2/NDF:15.5/5

Left: 0.298+/-0.240 χ^2/NDF: 21.0/13

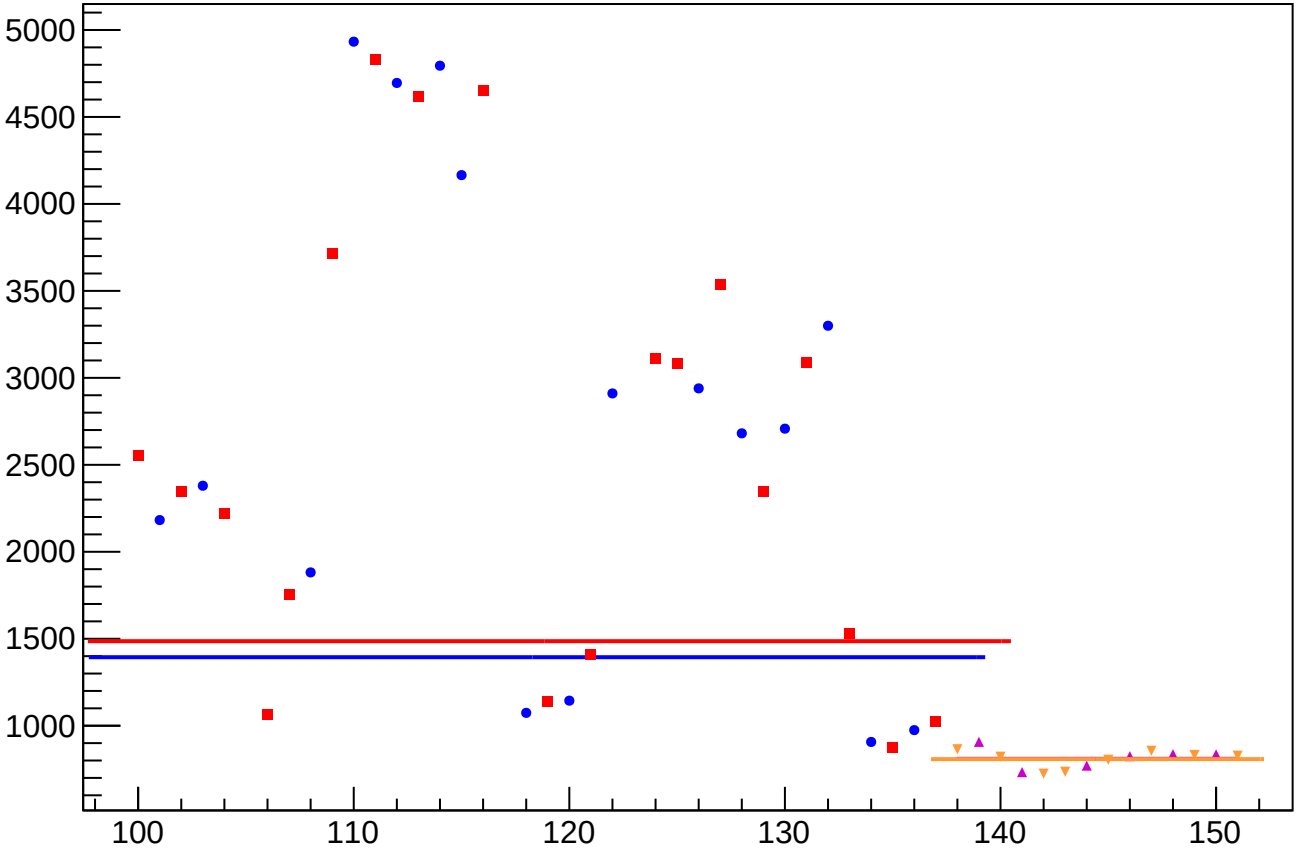
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.174+/-0.305 χ^2/NDF:26.1/21

Out: 0.598+/-0.290 χ^2/NDF:31.4/26

All: 0.232+/-0.210 χ^2/NDF: 60.8/48

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 807.887+/-0.230 χ^2/NDF:42218.5/7

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 809.787+/-0.250 χ^2/NDF:47192.0/5

Left: 808.758+/-0.170 χ^2/NDF: 89441.7/13

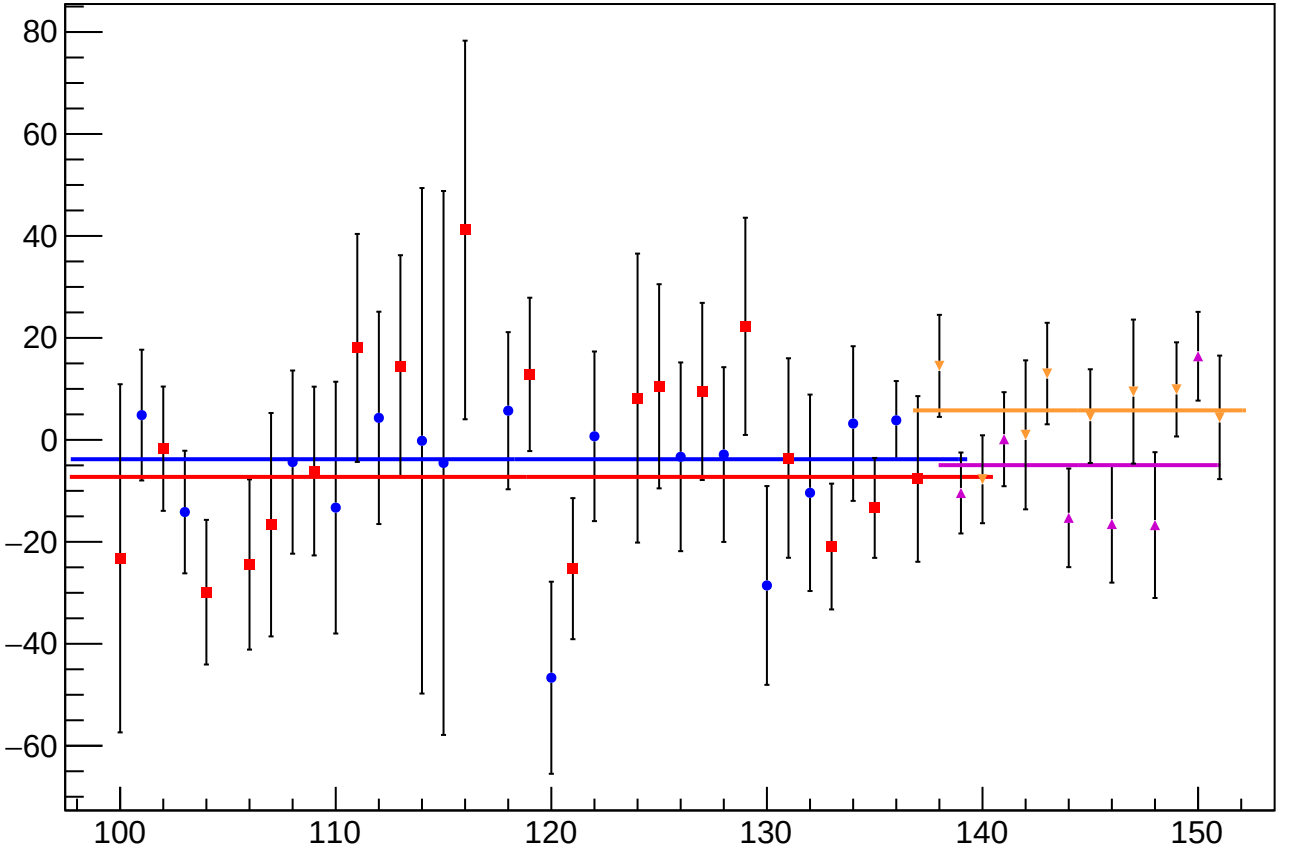
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 960.624+/-0.216 χ^2/NDF:4833655.0/21

Out: 949.630+/-0.205 χ^2/NDF:5251324.0/26

All: 954.847+/-0.149 χ^2/NDF: 10086344.7/48

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.786+/-3.686 χ^2/NDF:4.1/7

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -4.957+/-3.954 χ^2/NDF:9.6/5

Left: 0.790+/-2.696 χ^2/NDF: 17.7/13

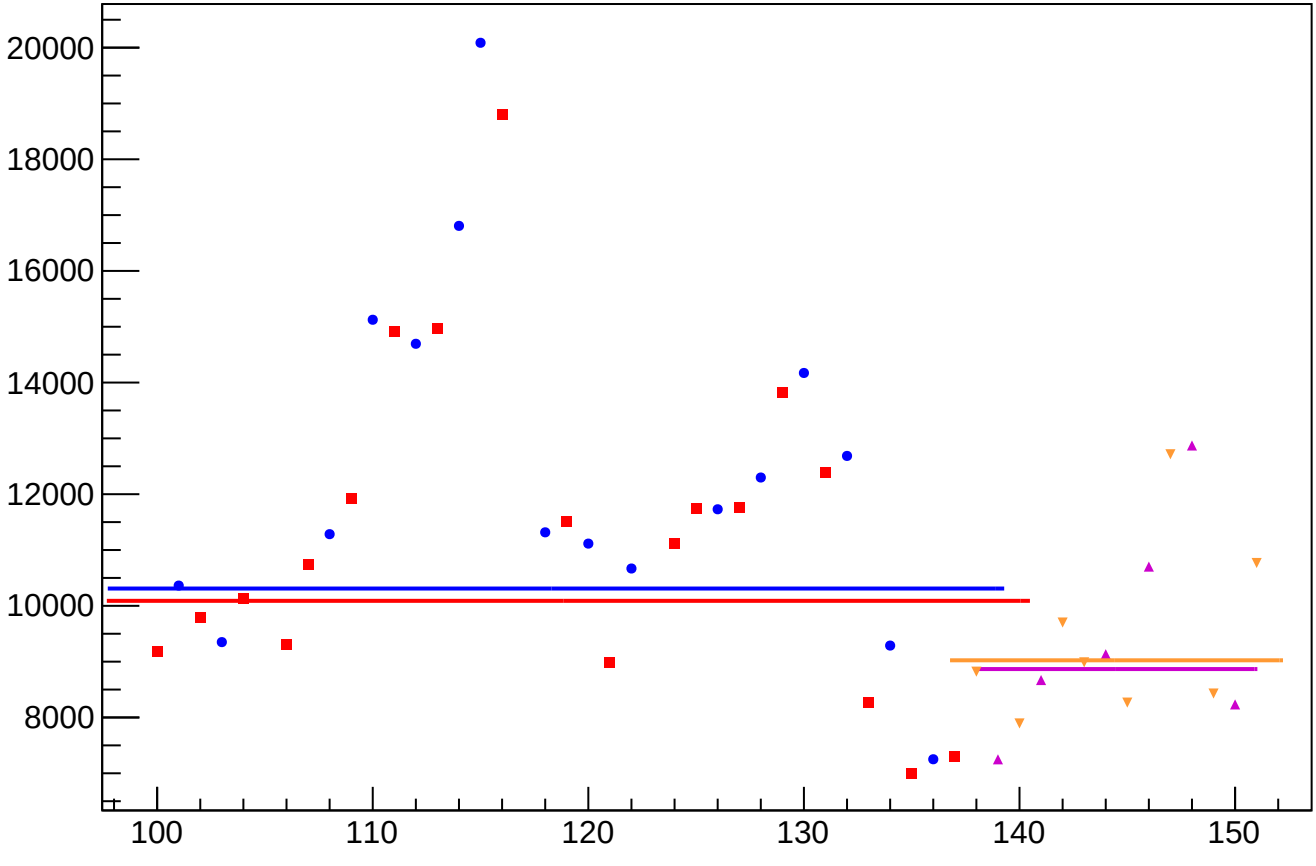
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -4.374+/-2.792 χ^2/NDF:19.7/21

Out: -0.529+/-2.648 χ^2/NDF:27.5/26

All: -2.350+/-1.921 χ^2/NDF: 48.2/48

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9024.116+/-2.607 χ^2/NDF:239482.4/7

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8867.297+/-2.796 χ^2/NDF:303840.8/5

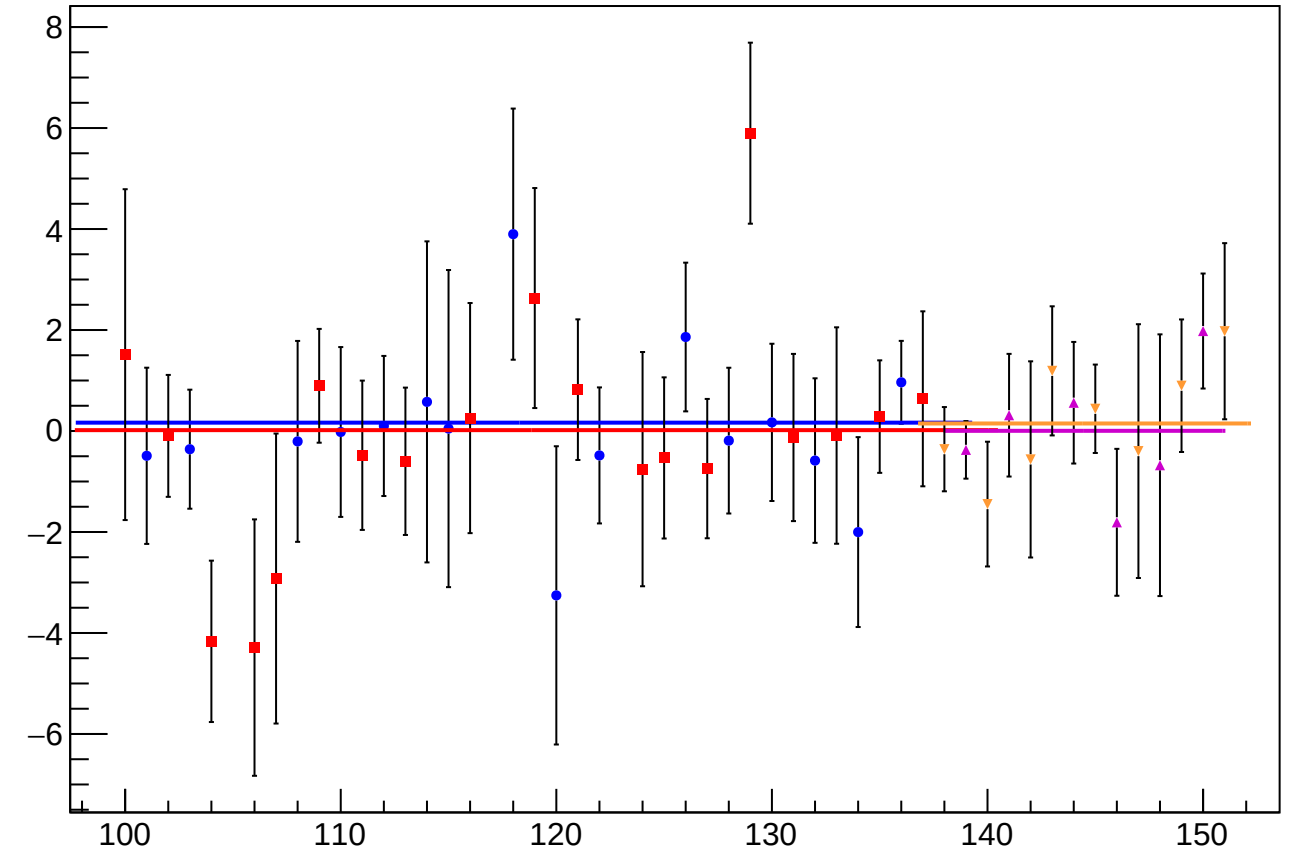
Left: 8951.197+/-1.907 χ^2/NDF: 545006.4/13

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

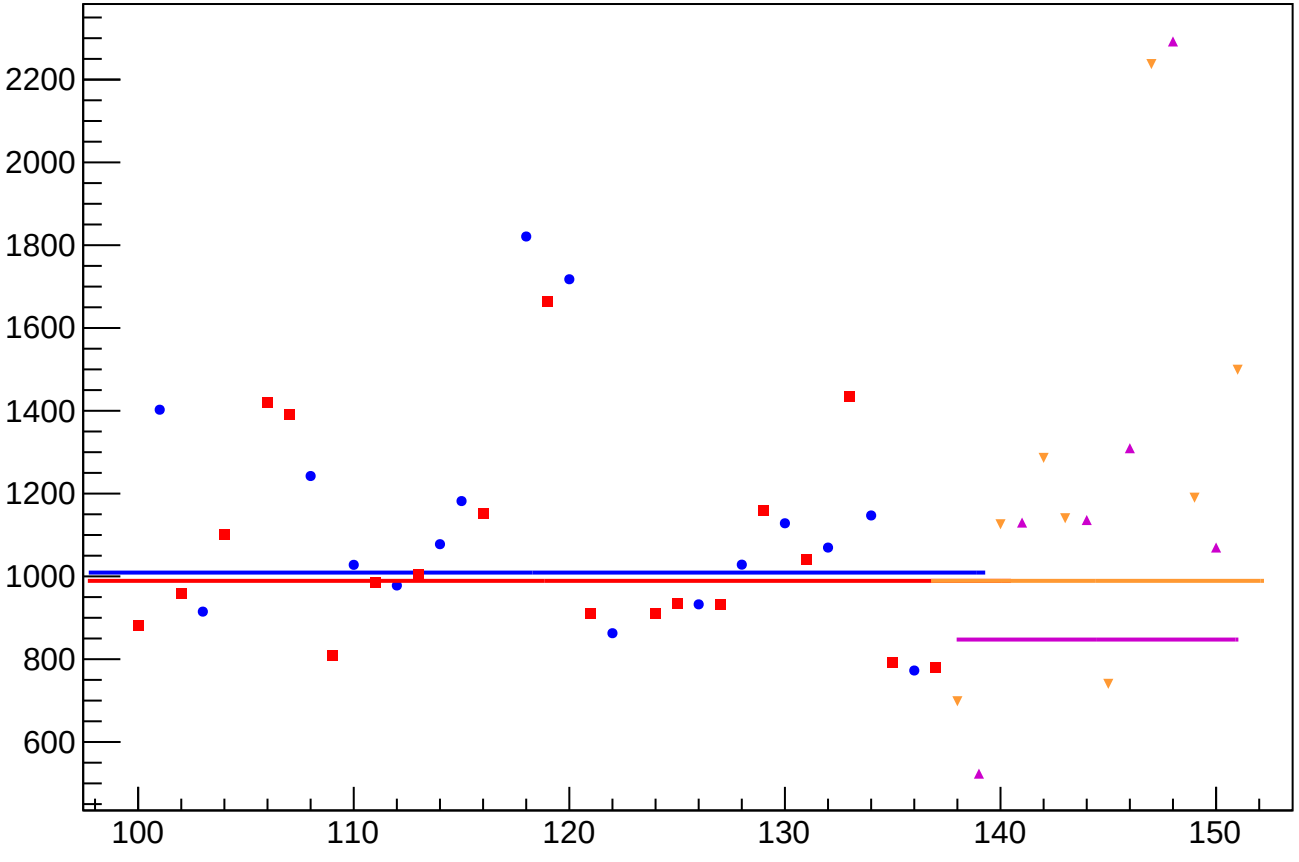
In: 9590.627+/-1.974 χ^2/NDF:1207852.1/21

Out: 9539.682+/-1.873 χ^2/NDF:1113124.6/26

All: 9563.809+/-1.359 χ^2/NDF: 2321327.2/48


diff_bpmtargetdiffY_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.165+/-0.386 χ²/NDF: 8.1/15
Left Out: 0.149+/-0.433 χ²/NDF:4.4/7
Right Out: 0.017+/-0.372 χ²/NDF: 25.2/18
Left In: 0.004+/-0.414 χ²/NDF:5.3/5
Left: 0.073+/-0.299 χ²/NDF: 9.8/13
Right: 0.089+/-0.268 χ²/NDF: 33.4/34
In: 0.090+/-0.282 χ²/NDF:13.5/21
Out: 0.073+/-0.282 χ²/NDF:29.6/26
All: 0.082+/-0.200 χ²/NDF: 43.2/48

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 989.244+/-0.306 χ^2/NDF:1215043.8/7

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 847.419+/-0.293 χ^2/NDF:1767891.4/5

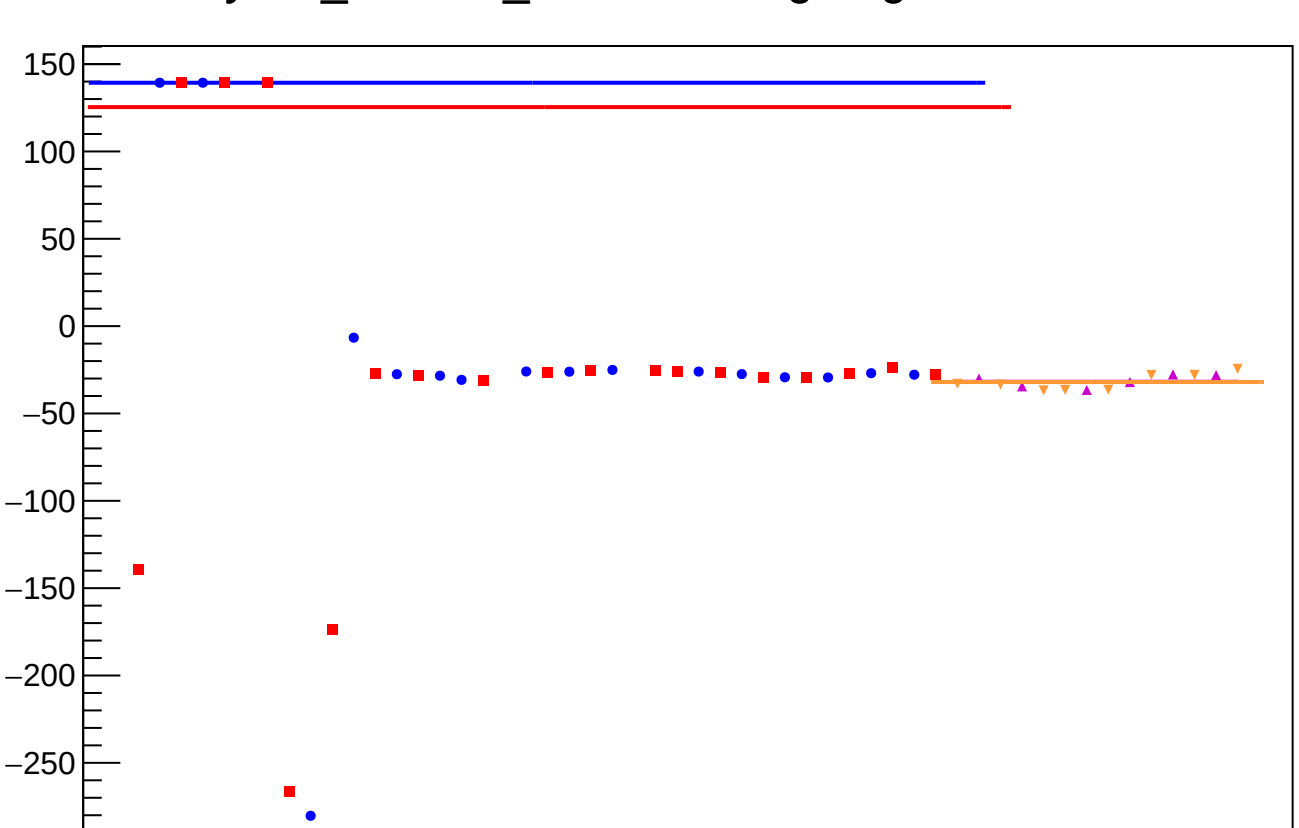
Left: 915.202+/-0.212 χ^2/NDF: 3095115.5/13

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 933.911+/-0.200 χ^2/NDF:2630500.9/21

Out: 989.245+/-0.200 χ^2/NDF:1790803.7/26

All: 961.604+/-0.141 χ^2/NDF: 4459722.6/48



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.994+/-0.001 χ^2/NDF:68771226.0/7

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -31.833+/-0.001 χ^2/NDF:30649047.6/5

Left: -31.926+/-0.000 χ^2/NDF: 99454523.4/13

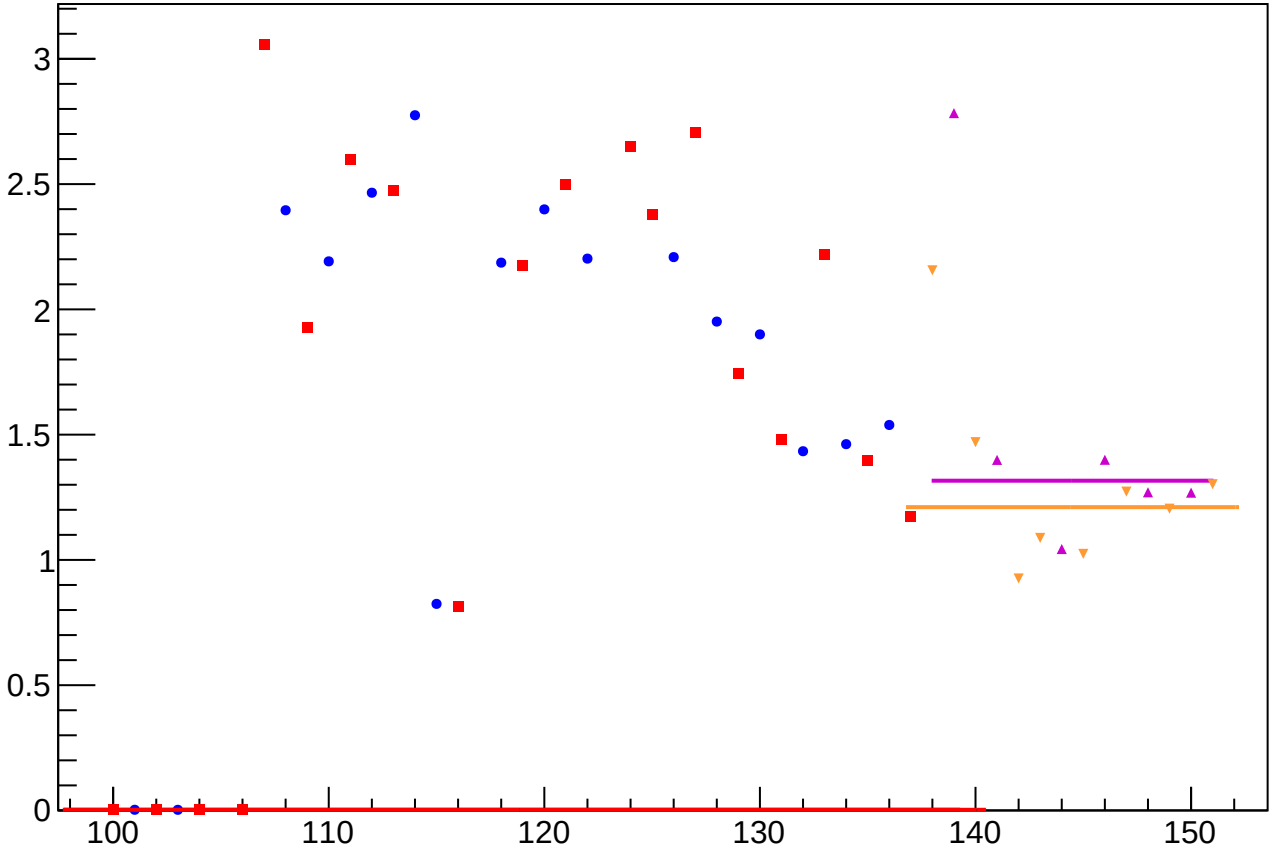
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.335+/-0.000 χ^2/NDF:114210364541.7/21

Out: 125.389+/-0.000 χ^2/NDF:774250954208610.

All: 131.816+/-0.000 χ^2/NDF: 793150672053

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.211+/-0.000 χ^2/NDF:407552.8/7

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.316+/-0.000 χ^2/NDF:561265.1/5

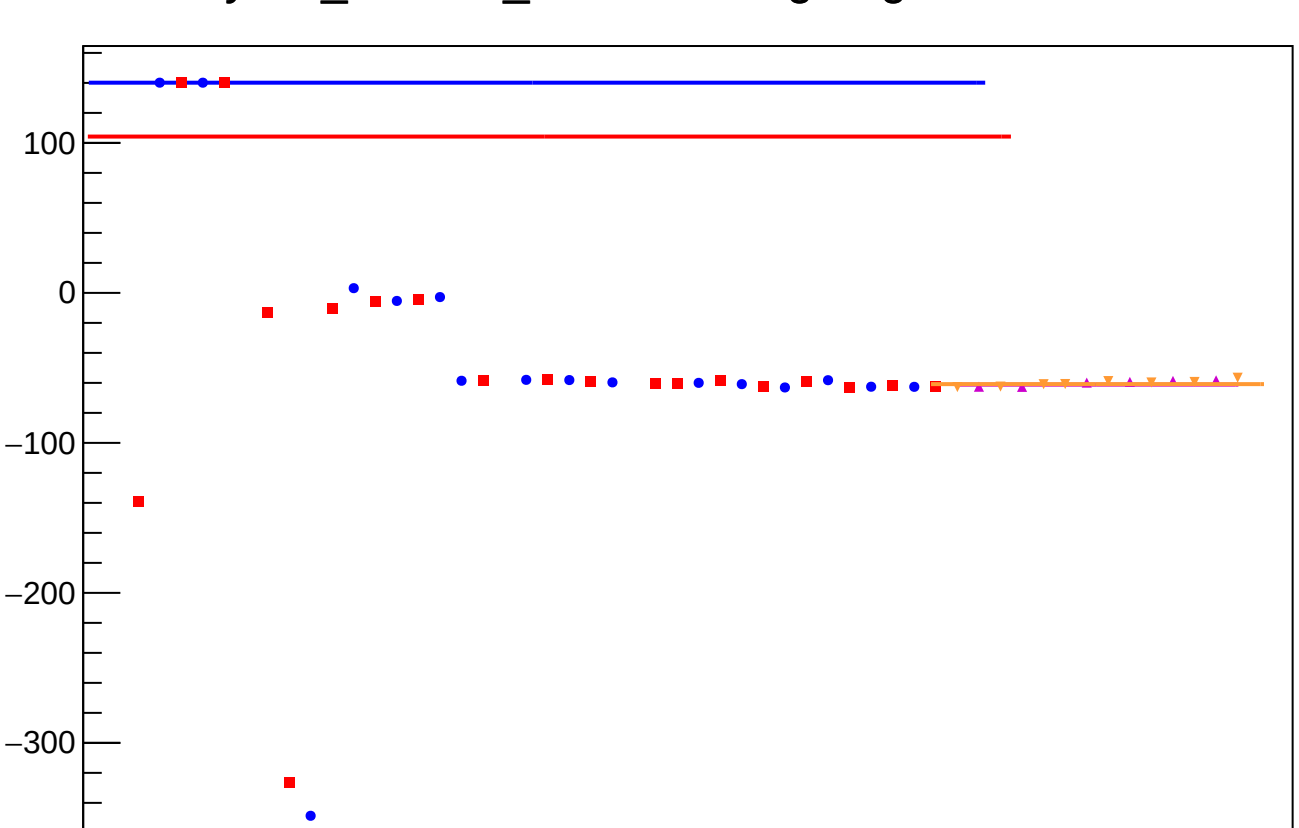
Left: 1.255+/-0.000 χ^2/NDF: 998352.3/13

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:18028535.0/21

Out: 0.003+/-0.000 χ^2/NDF:19303121.6/26

All: 0.003+/-0.000 χ^2/NDF: 37331824.8/48



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -60.827+/-0.000 χ^2/NDF:32000889.5/7

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -61.171+/-0.000 χ^2/NDF:20604476.7/5

Left: -60.983+/-0.000 χ^2/NDF: 53019622.9/13

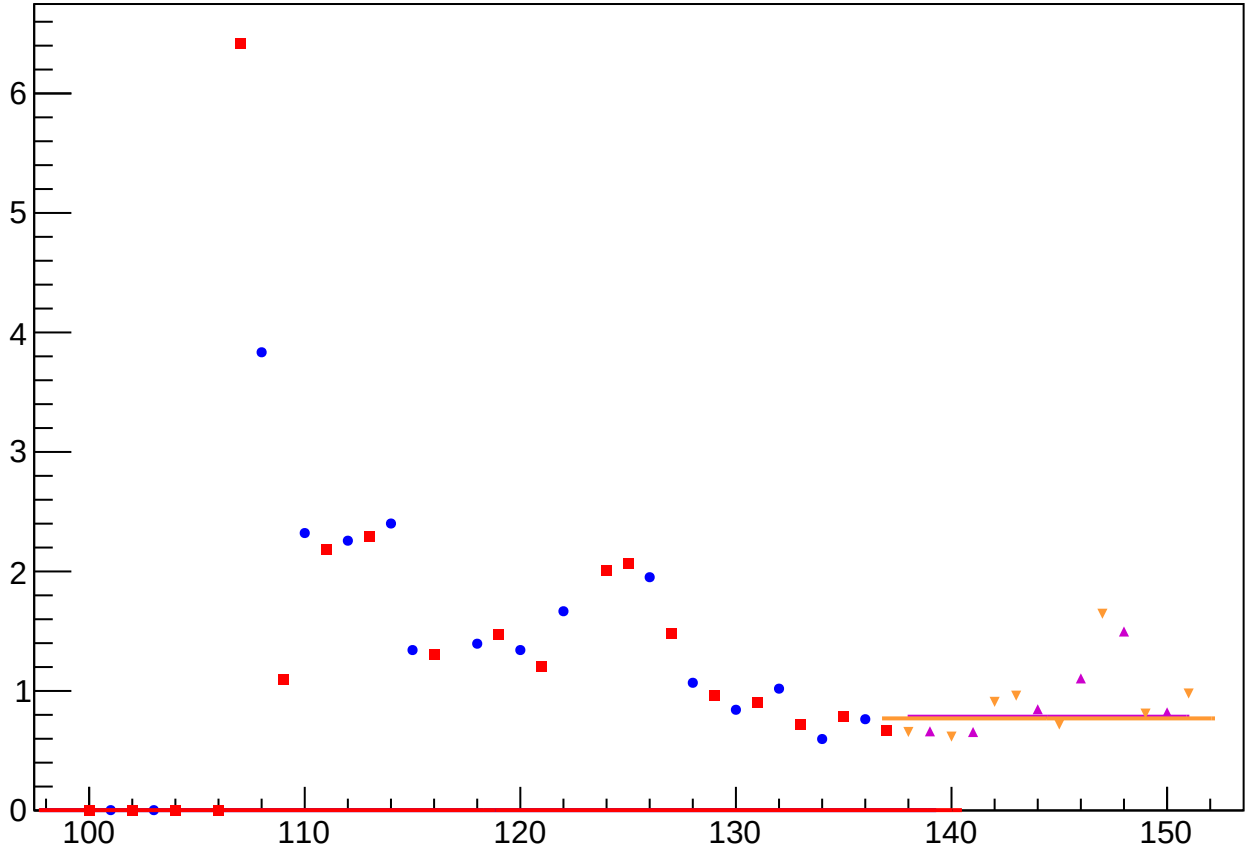
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.136+/-0.000 χ^2/NDF:447408269089.8/21

Out: 104.218+/-0.000 χ^2/NDF:125761315123031

All: 120.825+/-0.000 χ^2/NDF: 13813640913

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.770+/-0.000 χ^2/NDF:675267.4/7

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.785+/-0.000 χ^2/NDF:554176.5/5

Left: 0.777+/-0.000 χ^2/NDF: 1230864.8/13

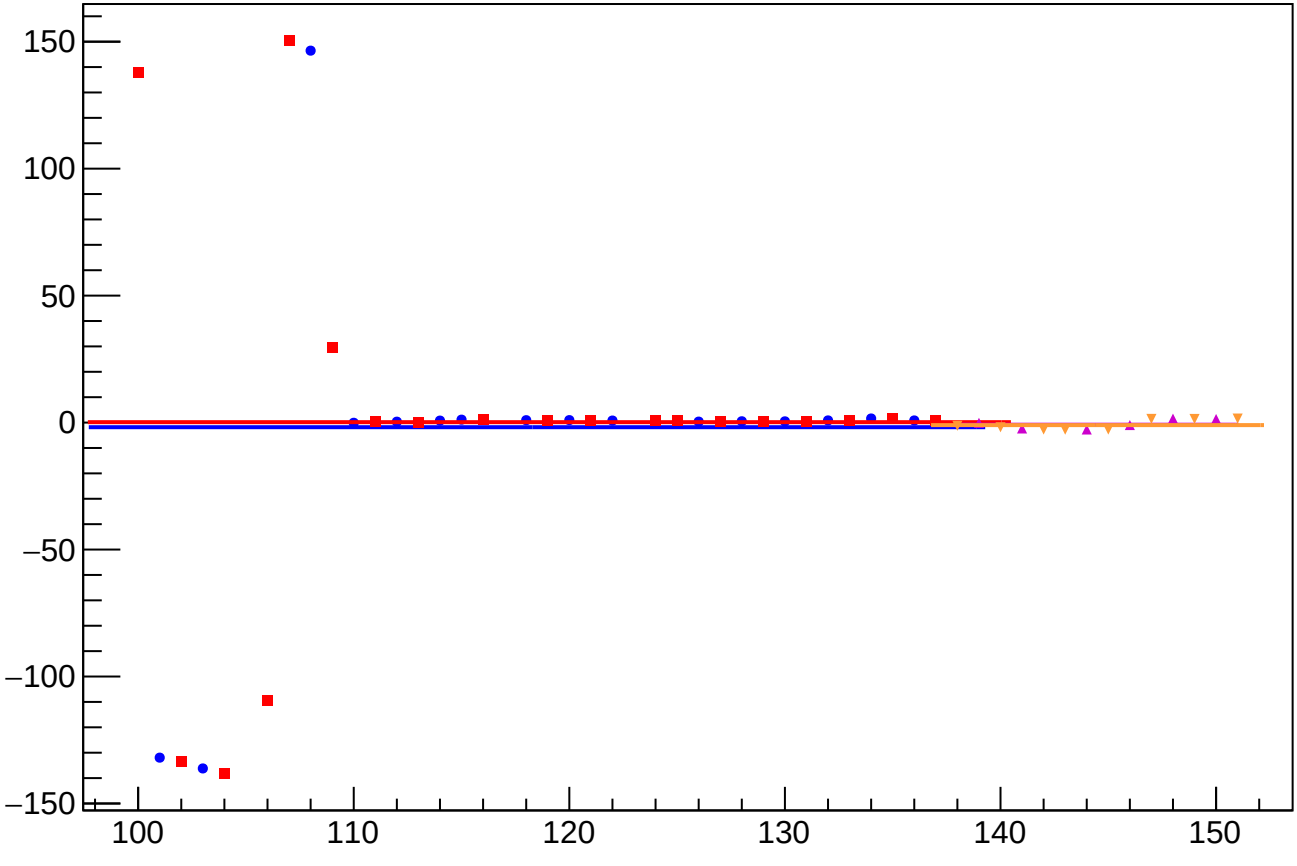
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:18973821.8/21

Out: 0.003+/-0.000 χ^2/NDF:20080712.6/26

All: 0.003+/-0.000 χ^2/NDF: 39054733.8/48

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.993+/-0.000 χ^2/NDF:64392342.9/7

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -0.827+/-0.000 χ^2/NDF:41108641.2/5

Left: -0.922+/-0.000 χ^2/NDF: 105707450.1/13

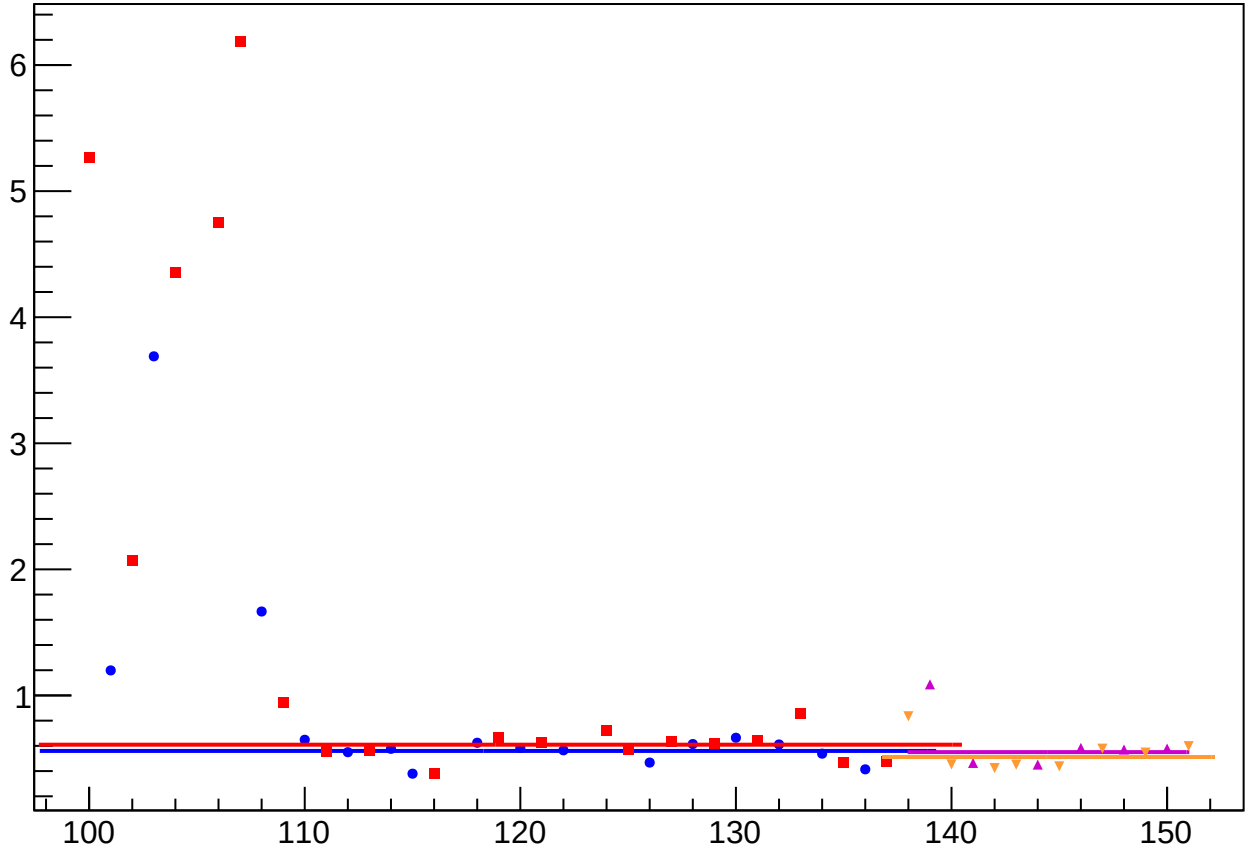
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.372+/-0.000 χ^2/NDF:9935404858.3/21

Out: -0.492+/-0.000 χ^2/NDF:3685818422.7/26

All: -0.920+/-0.000 χ^2/NDF: 13632881228.4/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.512+/-0.000 χ^2/NDF:351390.9/7

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.550+/-0.000 χ^2/NDF:524808.2/5

Left: 0.528+/-0.000 χ^2/NDF: 898939.3/13

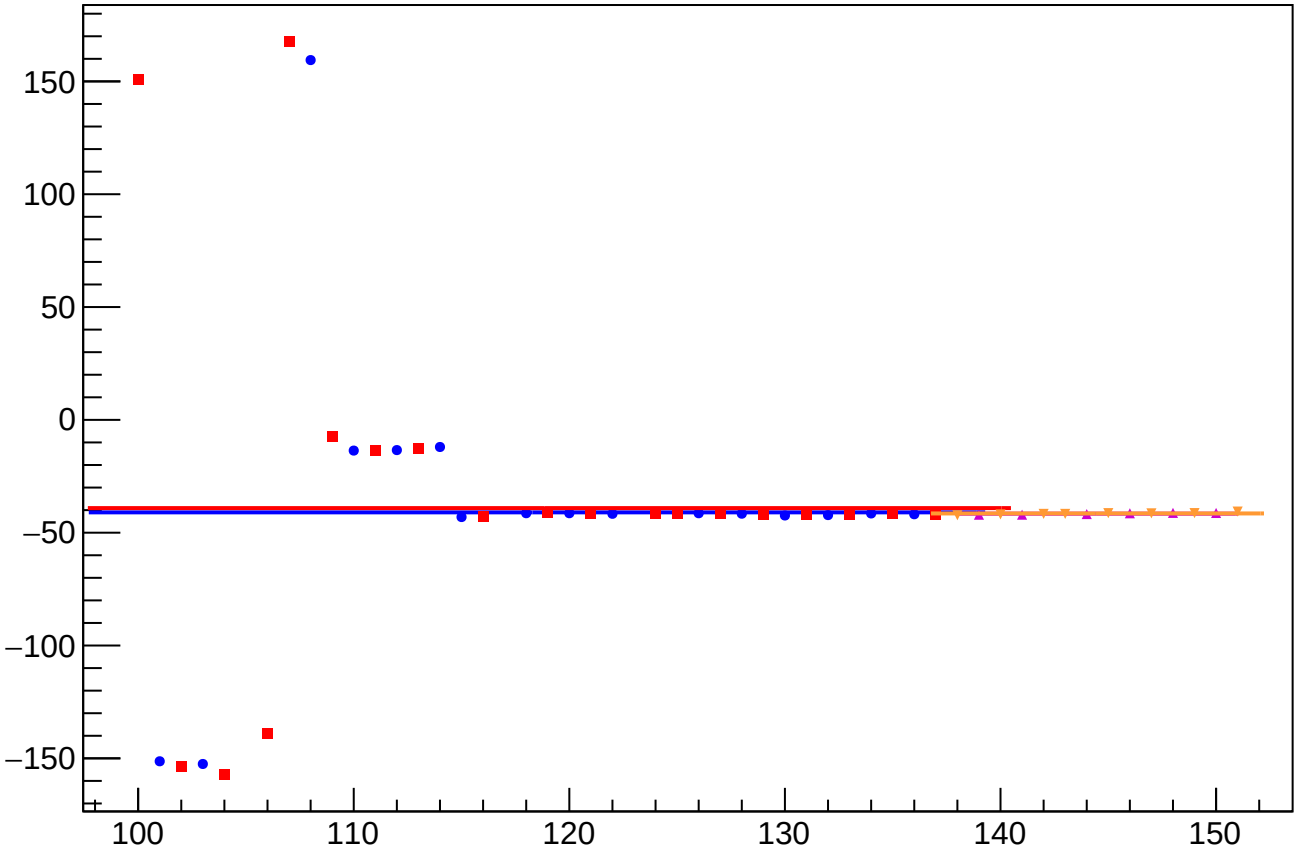
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.556+/-0.000 χ^2/NDF:2124536.7/21

Out: 0.554+/-0.000 χ^2/NDF:2972700.8/26

All: 0.555+/-0.000 χ^2/NDF: 5097329.5/48

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.470+/-0.000 χ^2/NDF:6474893.4/7

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.577+/-0.000 χ^2/NDF:3080904.4/5

Left: -41.516+/-0.000 χ^2/NDF: 9765584.9/13

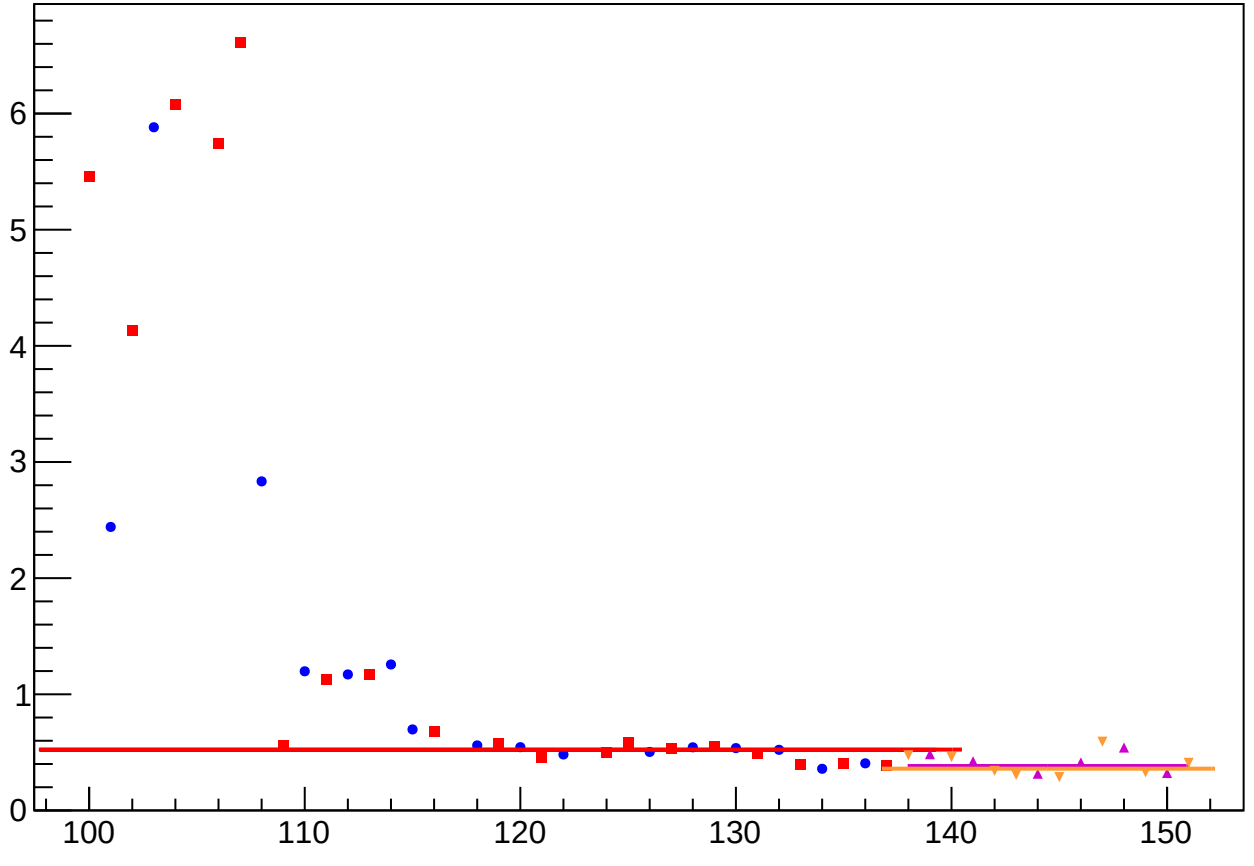
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.361+/-0.000 χ^2/NDF:3456775261.1/21

Out: -40.767+/-0.000 χ^2/NDF:2557266743.7/26

All: -41.037+/-0.000 χ^2/NDF: 6023735330.4/

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:584961.8/7

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.383+/-0.000 χ^2/NDF:362353.3/5

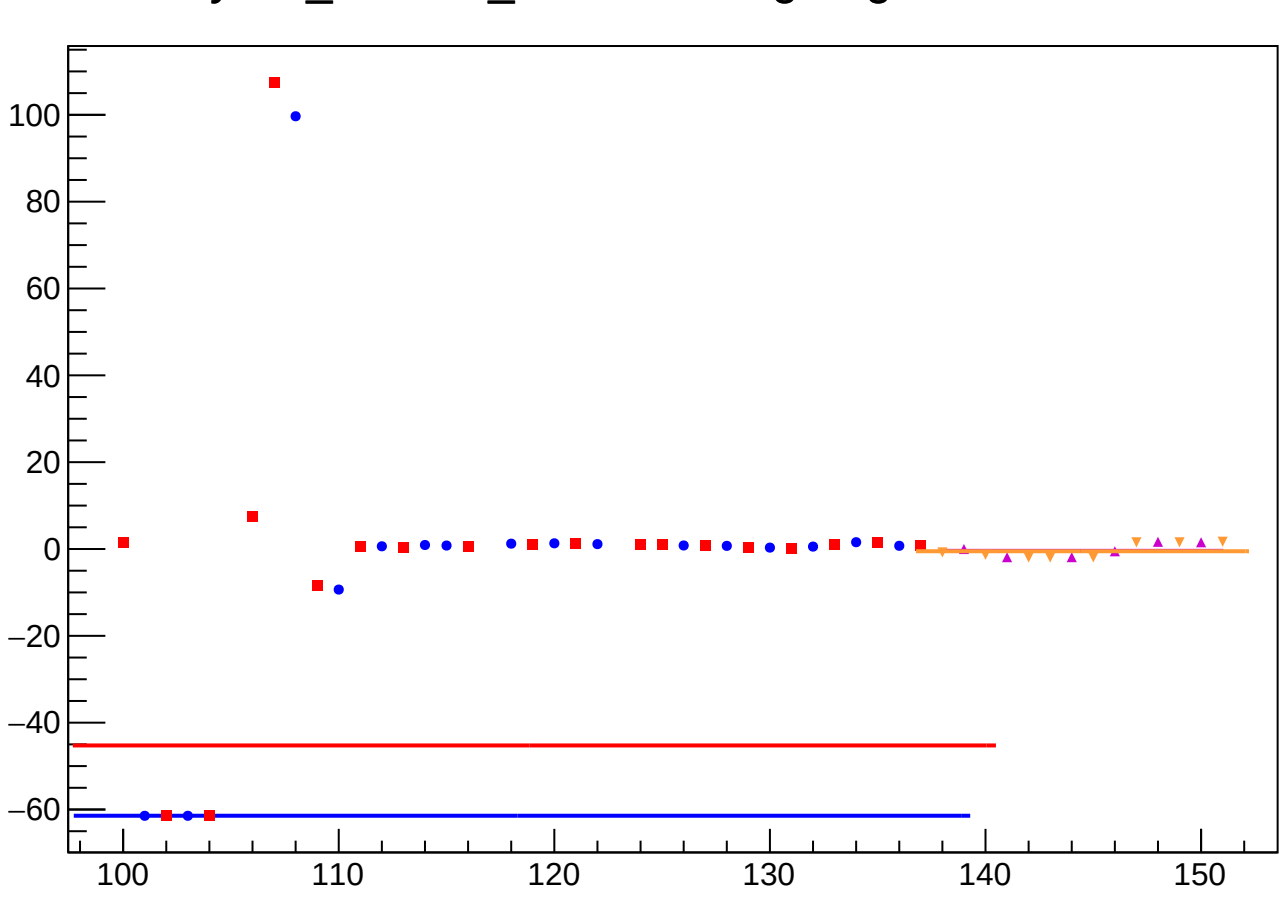
Left: 0.370+/-0.000 χ^2/NDF: 966312.1/13

Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

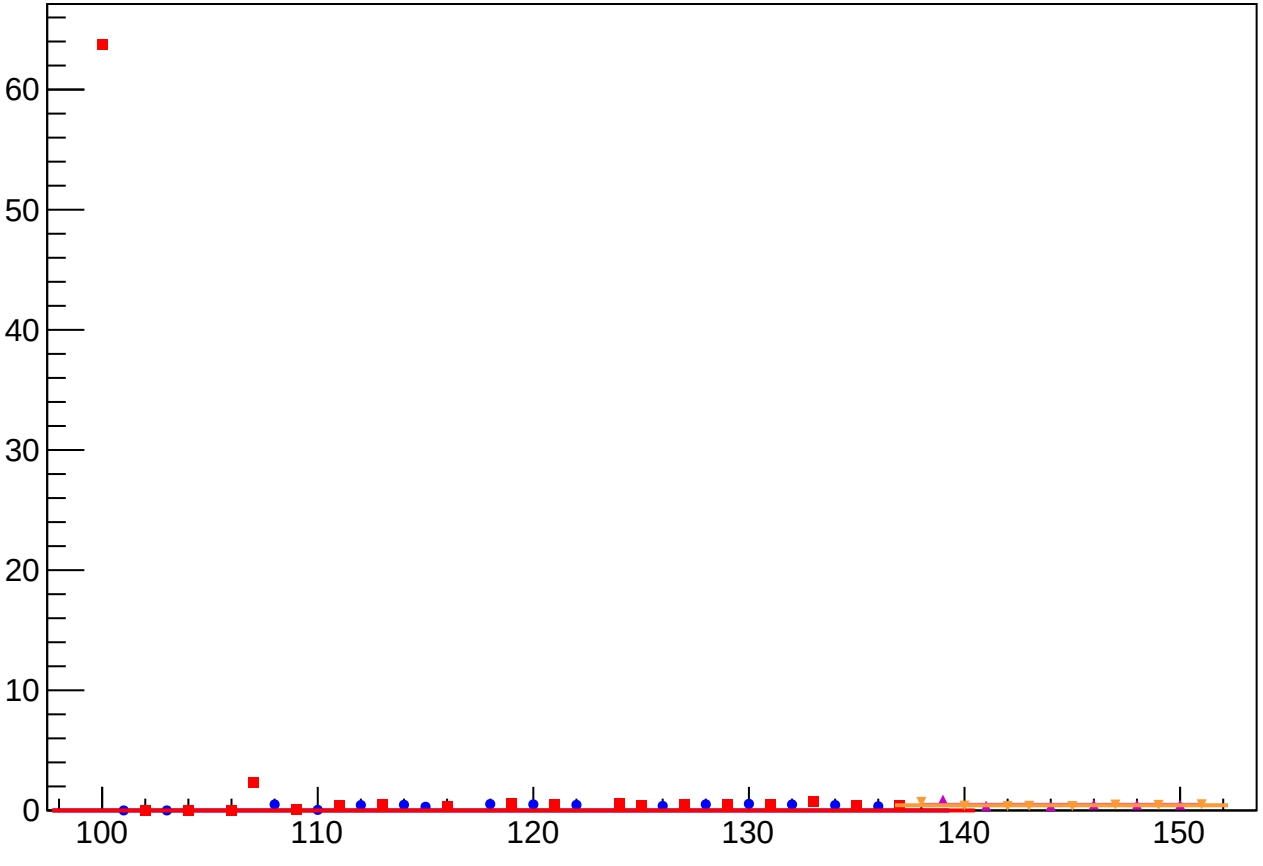
In: 0.434+/-0.000 χ^2/NDF:3766750.3/21

Out: 0.408+/-0.000 χ^2/NDF:4528910.6/26

All: 0.420+/-0.000 χ^2/NDF: 8330403.3/48


yield_cav4dX_mean vs Slug, Sign Corrected
100
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: -61.436+/-0.000 χ²/NDF: 273496278670.9/15
Left Out: -0.512+/-0.000 χ²/NDF:64196486.3/7
Right Out: -45.245+/-0.000 χ²/NDF: 357870328061478.0/18
Left In: -0.425+/-0.000 χ²/NDF:43850802.3/5
Left: -0.474+/-0.000 χ²/NDF: 108128855.2/13
Right: -52.749+/-0.000 χ²/NDF: 409121918007227
In: -61.433+/-0.000 χ²/NDF:343333785473.7/21
Out: -45.242+/-0.000 χ²/NDF:357919601282415.3
All: -52.746+/-0.000 χ²/NDF: 409240463575

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.434+/-0.000 χ^2/NDF:352373.1/7

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.462+/-0.000 χ^2/NDF:518496.8/5

Left: 0.446+/-0.000 χ^2/NDF: 888025.8/13

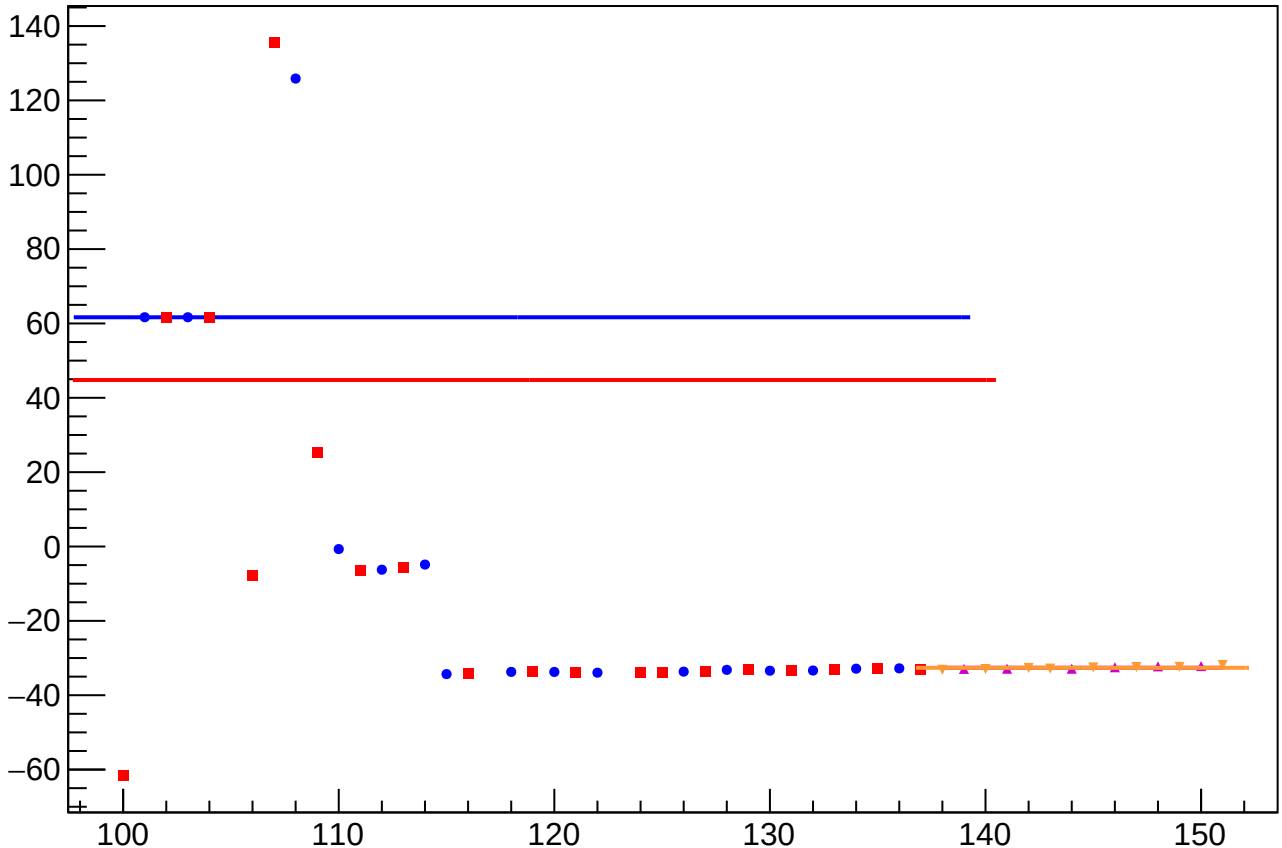
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:17629293.5/21

Out: 0.001+/-0.000 χ^2/NDF:18883974.5/26

All: 0.001+/-0.000 χ^2/NDF: 36513268.3/48

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.624+/-0.000 χ^2/NDF:7750855.1/7

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.614+/-0.000 χ^2/NDF:5324967.9/5

Left: -32.619+/-0.000 χ^2/NDF: 13078561.1/13

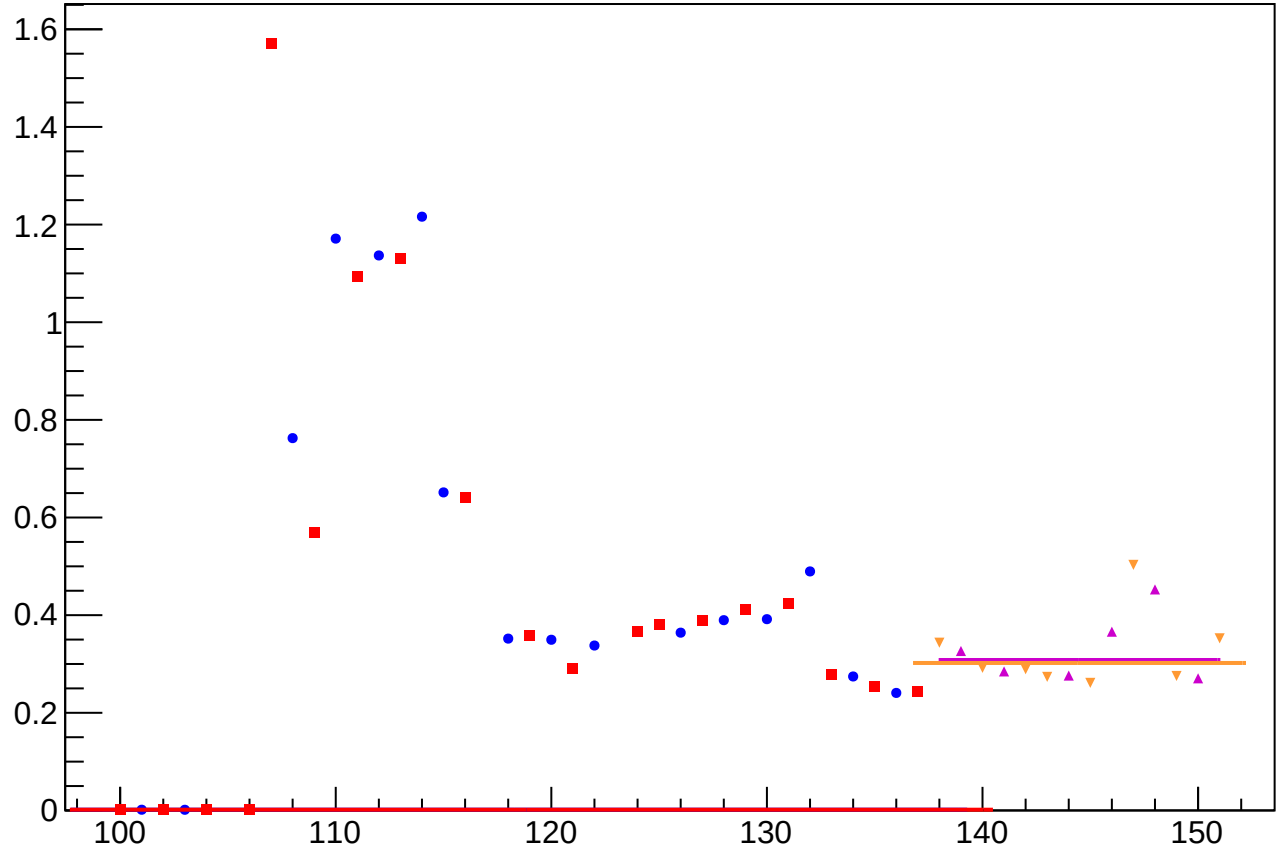
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.648+/-0.000 χ^2/NDF:825875488867.2/21

Out: 44.773+/-0.000 χ^2/NDF:366469972787693.2

All: 52.675+/-0.000 χ^2/NDF: 418397458836

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:382858.4/7

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.308+/-0.000 χ^2/NDF:275559.9/5

Left: 0.305+/-0.000 χ^2/NDF: 660506.1/13

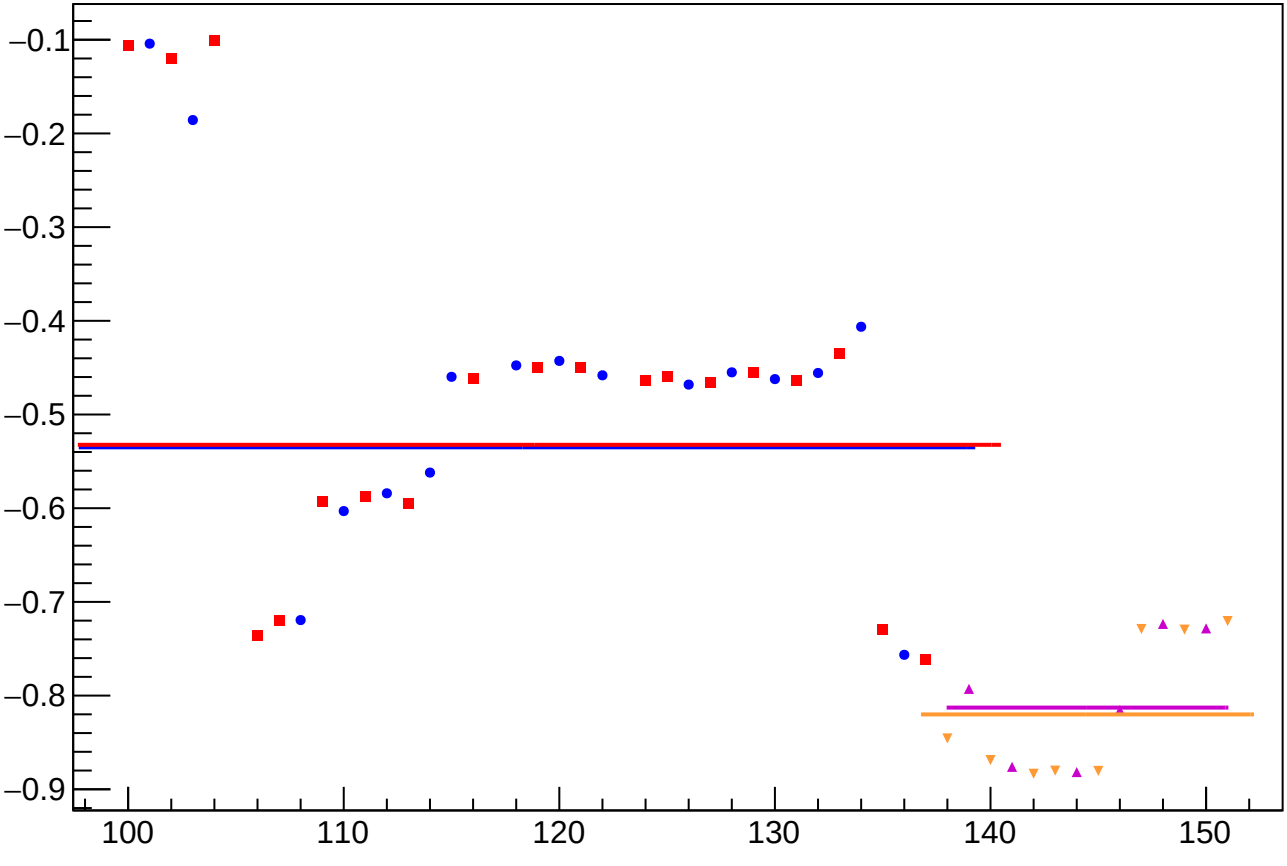
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:20957836.2/21

Out: 0.002+/-0.000 χ^2/NDF:22253774.7/26

All: 0.002+/-0.000 χ^2/NDF: 43211774.4/48

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.820+/-0.000 χ^2/NDF:68521598.8/7

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.813+/-0.000 χ^2/NDF:45308375.3/5

Left: -0.817+/-0.000 χ^2/NDF: 114131016.9/13

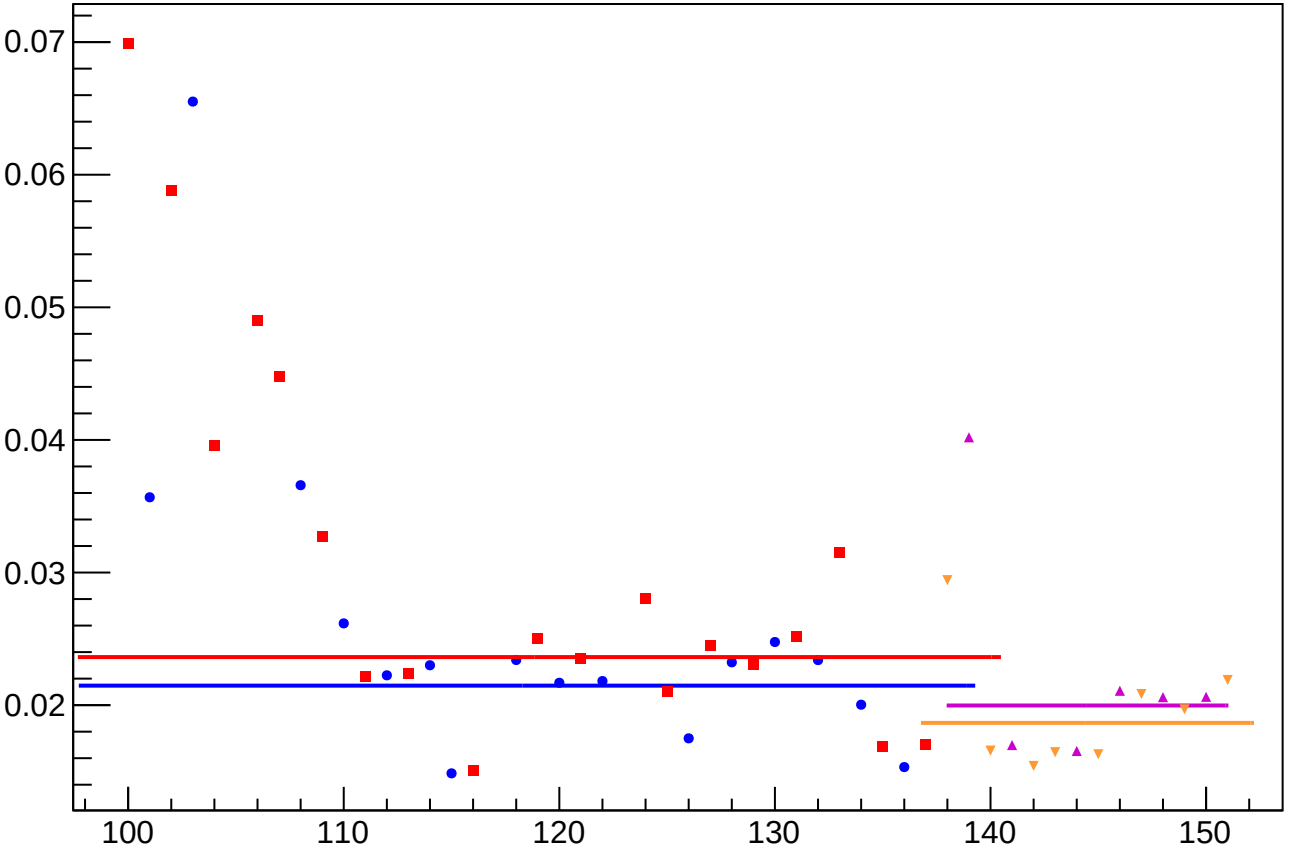
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.663+/-0.000 χ^2/NDF:761033413.9/21

Out: -0.696+/-0.000 χ^2/NDF:753532572.7/26

All: -0.680+/-0.000 χ^2/NDF: 1526492516.8/4

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:312172.0/7

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:526521.5/5

Left: 0.019+/-0.000 χ^2/NDF: 858242.5/13

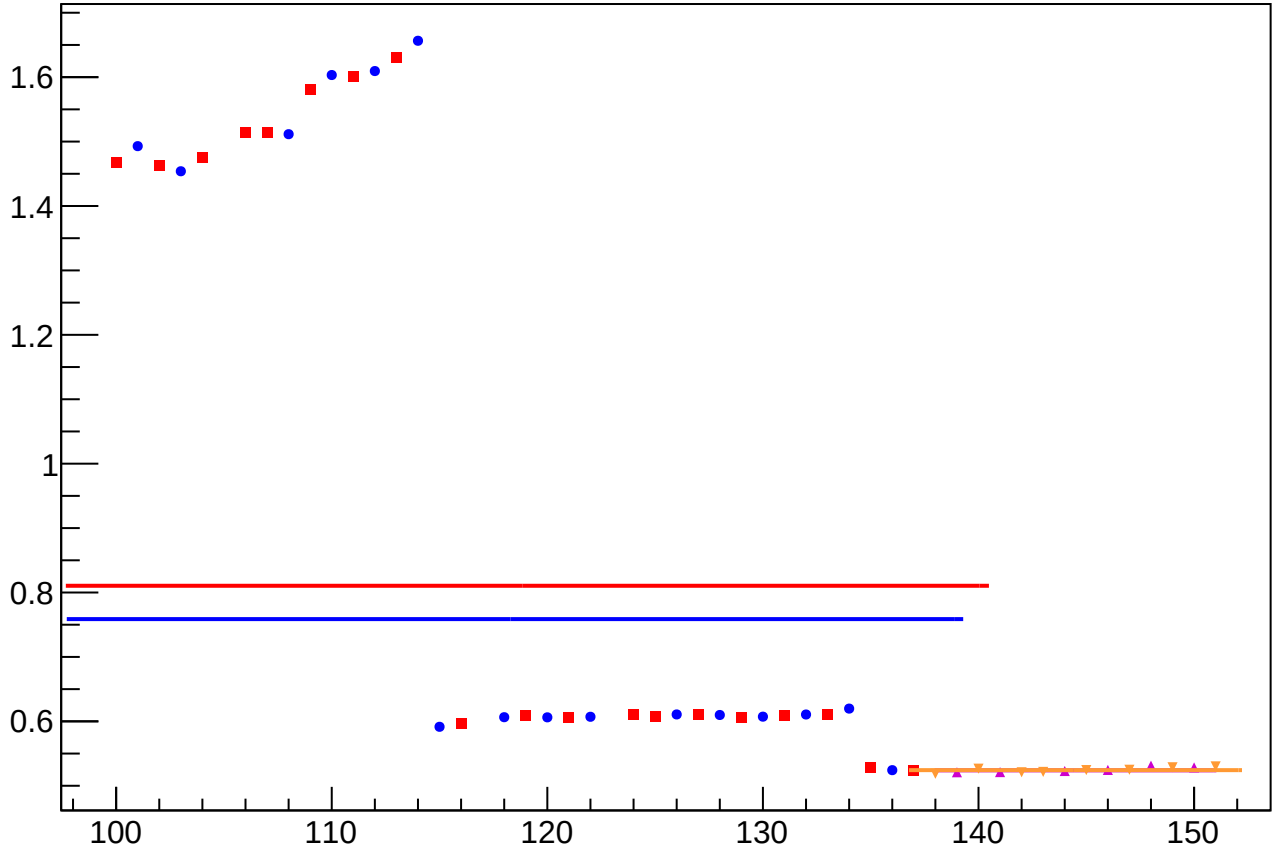
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1704636.1/21

Out: 0.021+/-0.000 χ^2/NDF:1869566.3/26

All: 0.021+/-0.000 χ^2/NDF: 3574213.6/48

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.524+/-0.000 χ^2/NDF:494279.0/7

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.524+/-0.000 χ^2/NDF:326084.2/5

Left: 0.524+/-0.000 χ^2/NDF: 822332.1/13

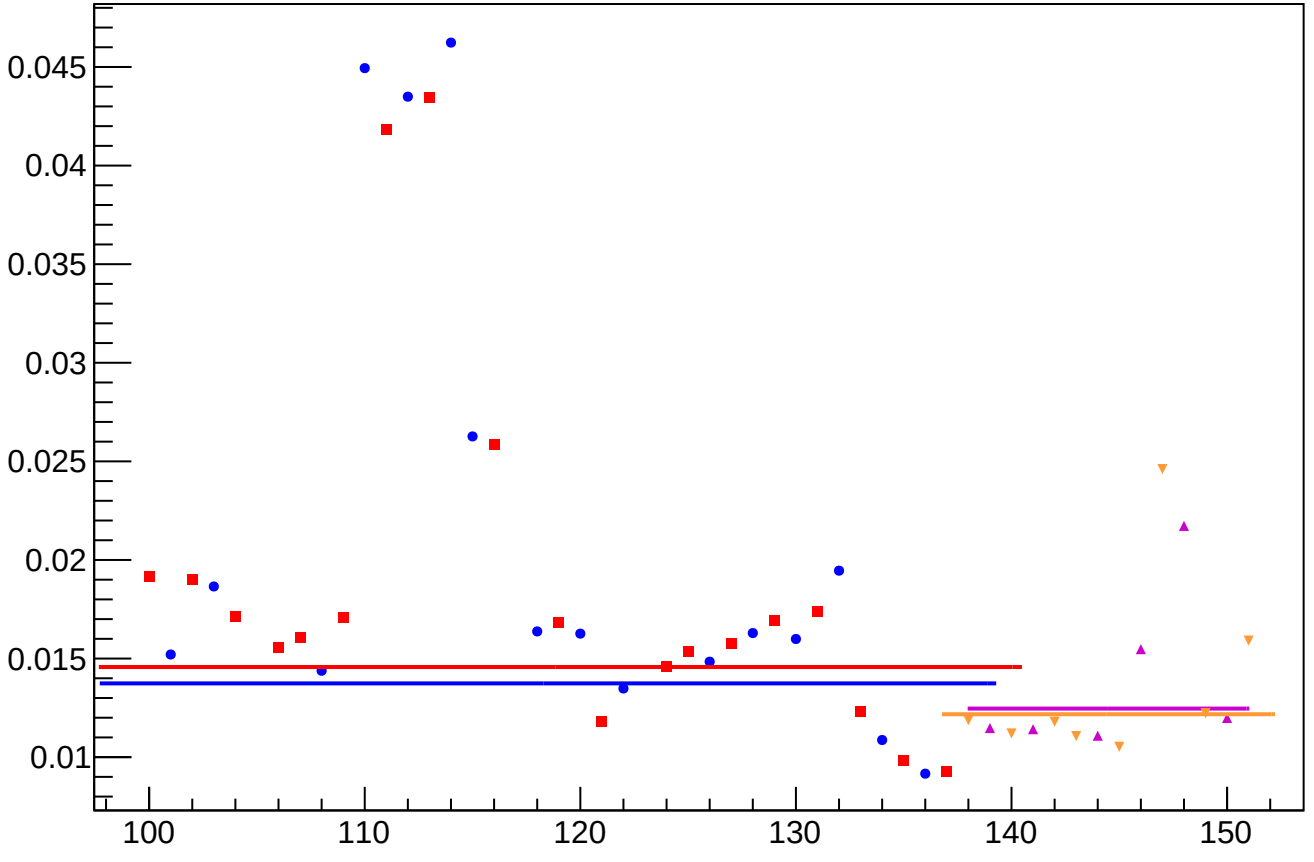
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.642+/-0.000 χ^2/NDF:5166260046.3/21

Out: 0.649+/-0.000 χ^2/NDF:6128206888.2/26

All: 0.646+/-0.000 χ^2/NDF: 11295883053.5/4

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:558950.4/7

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:402239.9/5

Left: 0.012+/-0.000 χ^2/NDF: 963995.3/13

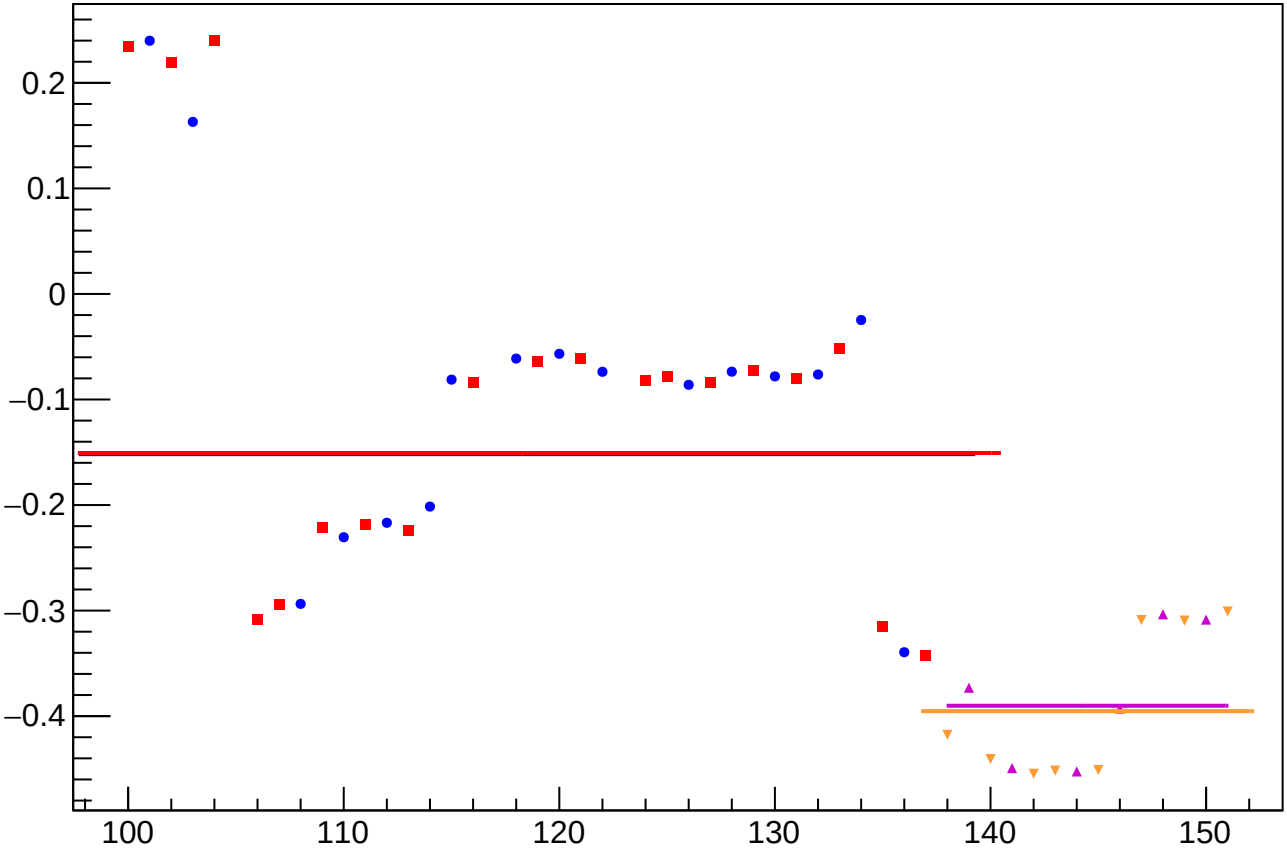
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2103043.0/21

Out: 0.013+/-0.000 χ^2/NDF:2204227.4/26

All: 0.013+/-0.000 χ^2/NDF: 4308090.2/48

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.395+/-0.000 χ^2/NDF:66991833.4/7

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.390+/-0.000 χ^2/NDF:45334481.2/5

Left: -0.393+/-0.000 χ^2/NDF: 112491194.9/13

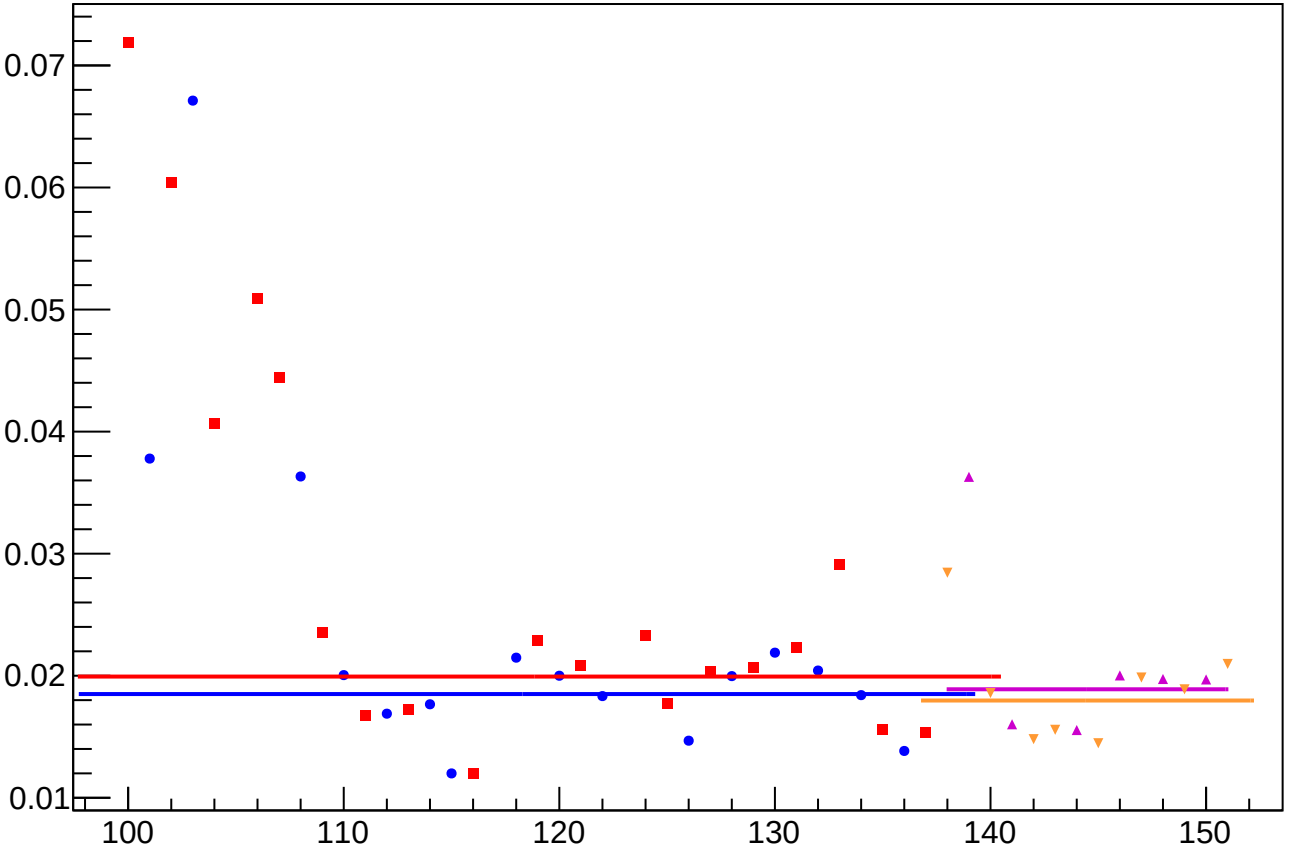
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.253+/-0.000 χ^2/NDF:692496398.2/21

Out: -0.276+/-0.000 χ^2/NDF:687457321.6/26

All: -0.265+/-0.000 χ^2/NDF: 1387645941.0/4

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:349682.3/7

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:497501.8/5

Left: 0.018+/-0.000 χ^2/NDF: 857943.8/13

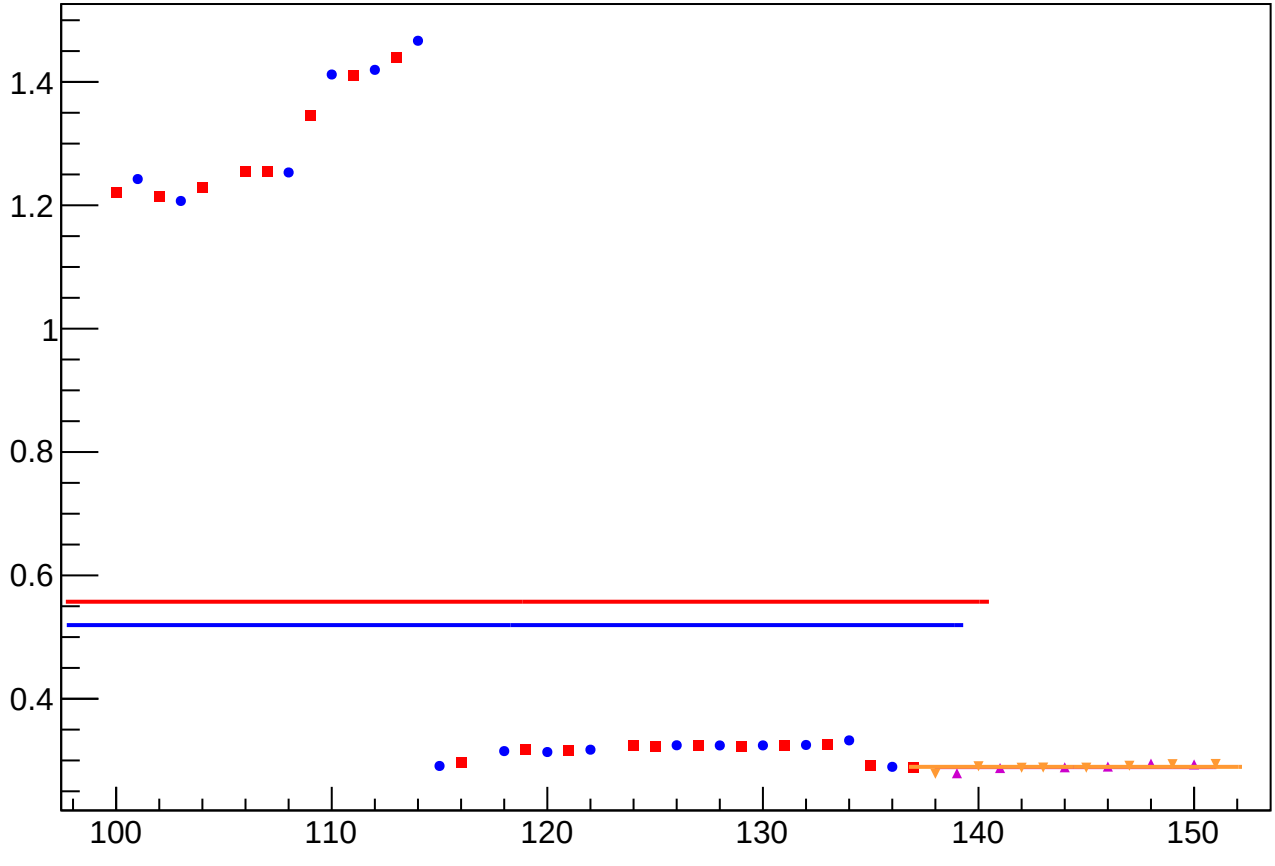
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1871859.8/21

Out: 0.019+/-0.000 χ^2/NDF:1951457.4/26

All: 0.019+/-0.000 χ^2/NDF: 3825163.9/48

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.290+/-0.000 χ^2/NDF:830641.5/7

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.289+/-0.000 χ^2/NDF:835374.2/5

Left: 0.289+/-0.000 χ^2/NDF: 1670053.3/13

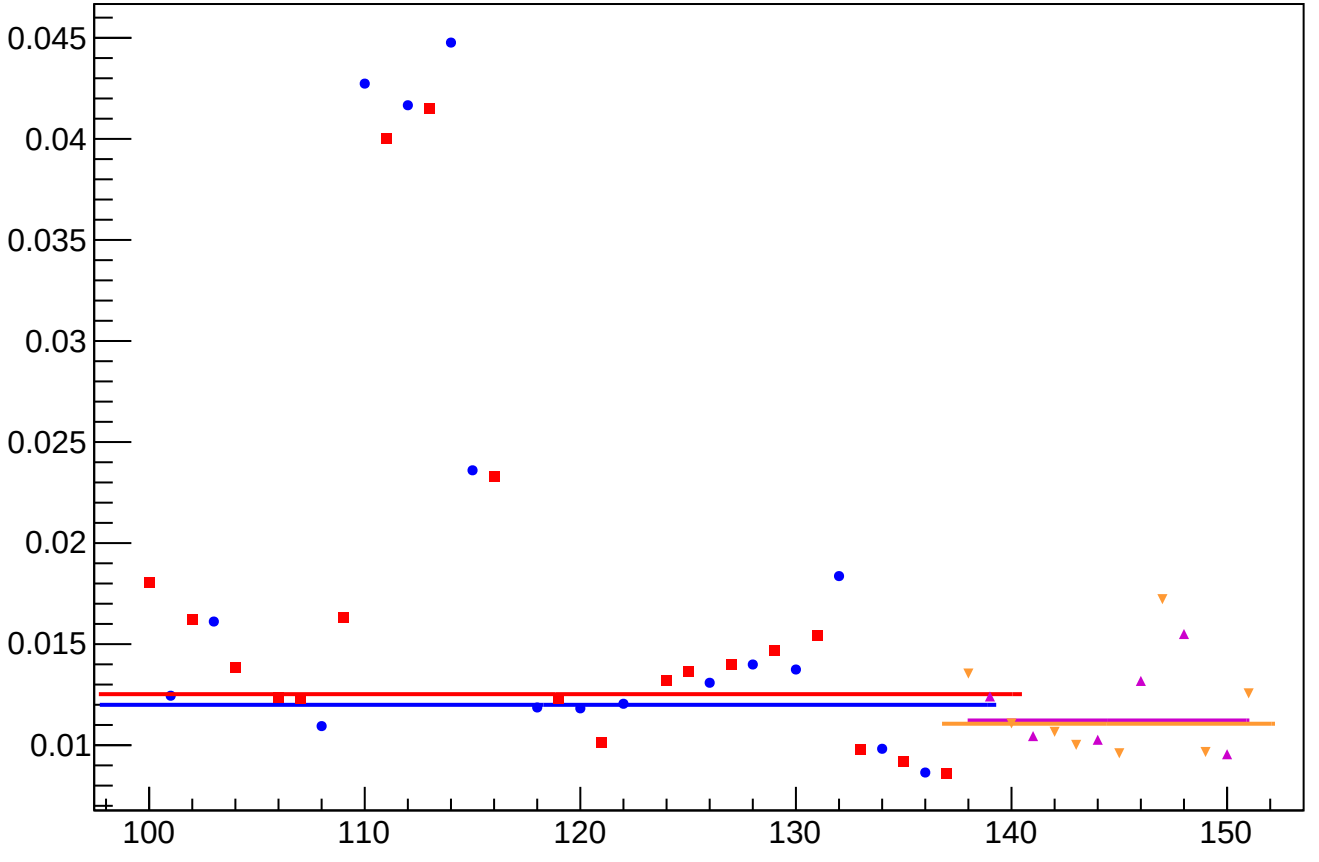
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.408+/-0.000 χ^2/NDF:7381970472.9/21

Out: 0.411+/-0.000 χ^2/NDF:8271805702.7/26

All: 0.410+/-0.000 χ^2/NDF: 15654242473.7/4

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:366311.5/7

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:250307.4/5

Left: 0.011+/-0.000 χ^2/NDF: 617718.9/13

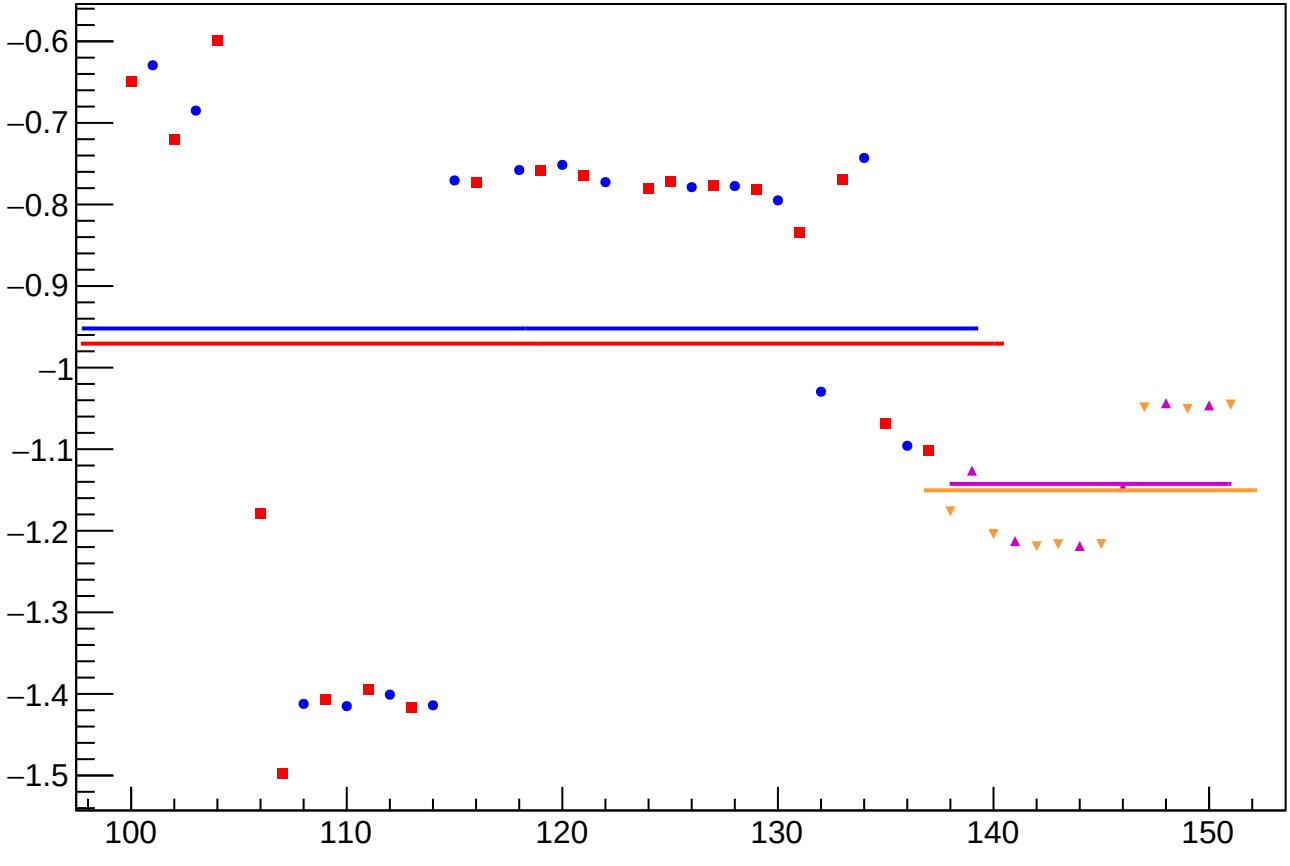
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1765949.5/21

Out: 0.012+/-0.000 χ^2/NDF:1891681.1/26

All: 0.012+/-0.000 χ^2/NDF: 3658543.6/48

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.150+/-0.000 χ^2/NDF:85582939.5/7

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.142+/-0.000 χ^2/NDF:59117119.4/5

Left: -1.147+/-0.000 χ^2/NDF: 145072083.7/13

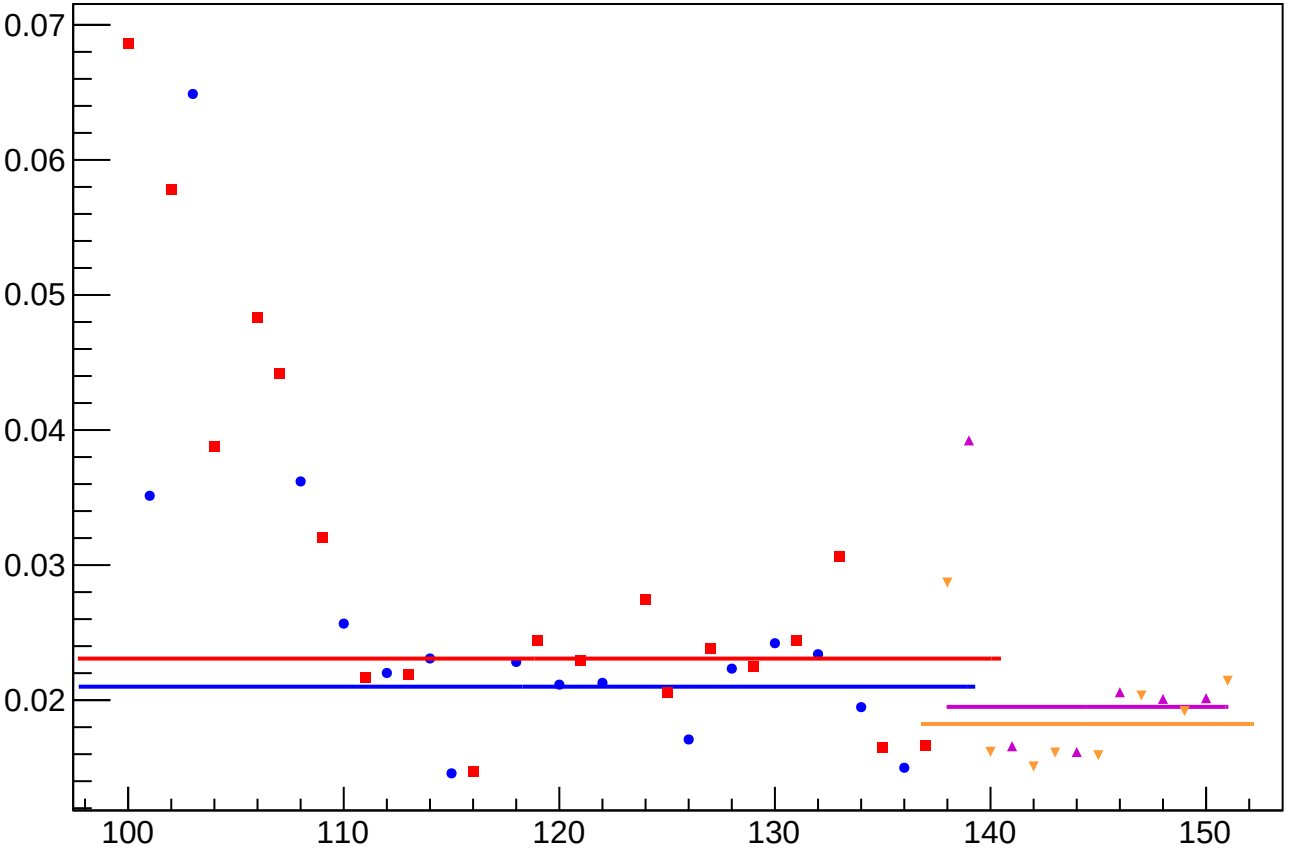
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.040+/-0.000 χ^2/NDF:962806077.9/21

Out: -1.073+/-0.000 χ^2/NDF:992427295.8/26

All: -1.057+/-0.000 χ^2/NDF: 1967791591.1/4

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:310483.1/7

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.020+/-0.000 χ^2/NDF:525669.1/5

Left: 0.019+/-0.000 χ^2/NDF: 855254.4/13

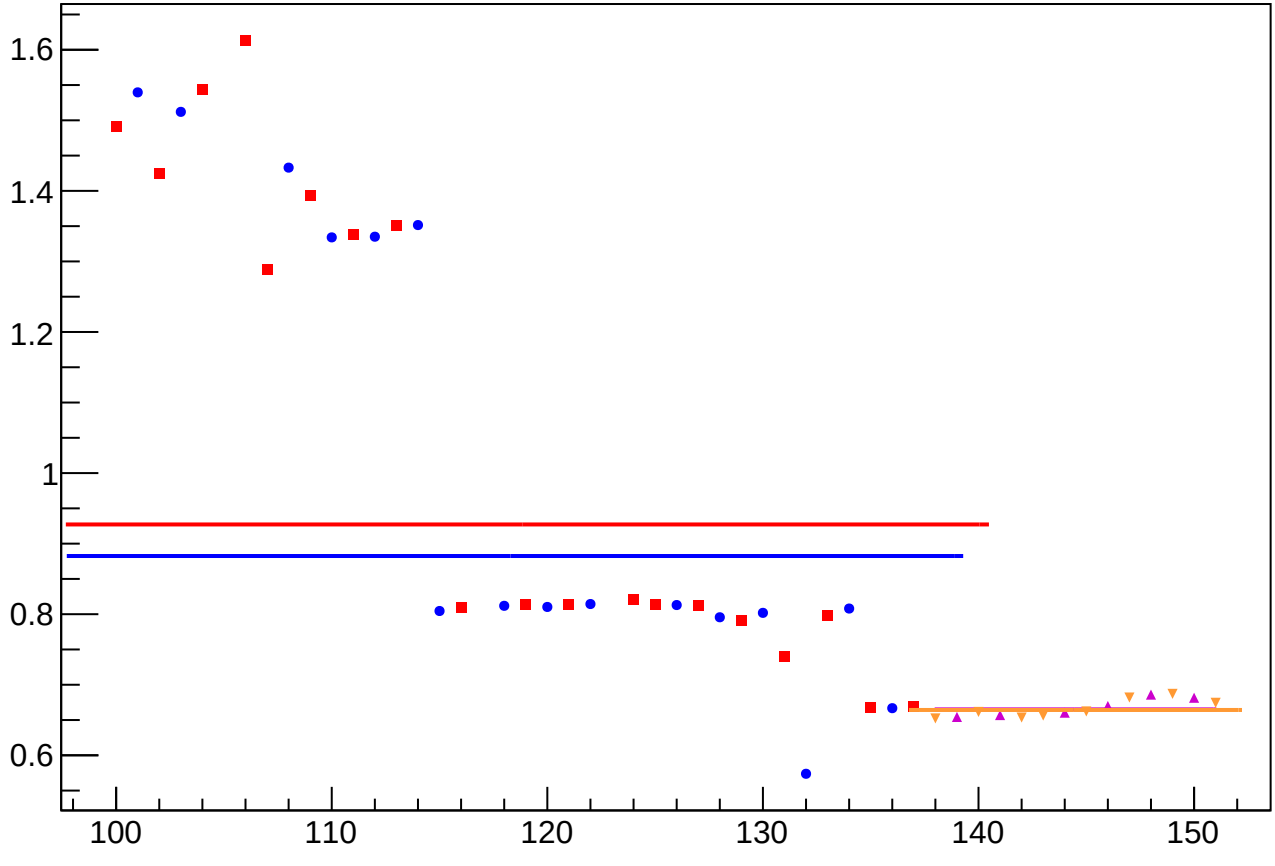
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1717804.6/21

Out: 0.020+/-0.000 χ^2/NDF:1870481.3/26

All: 0.020+/-0.000 χ^2/NDF: 3588290.8/48

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.664+/-0.000 χ^2/NDF:5161812.0/7

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.665+/-0.000 χ^2/NDF:3750860.7/5

Left: 0.665+/-0.000 χ^2/NDF: 8924866.6/13

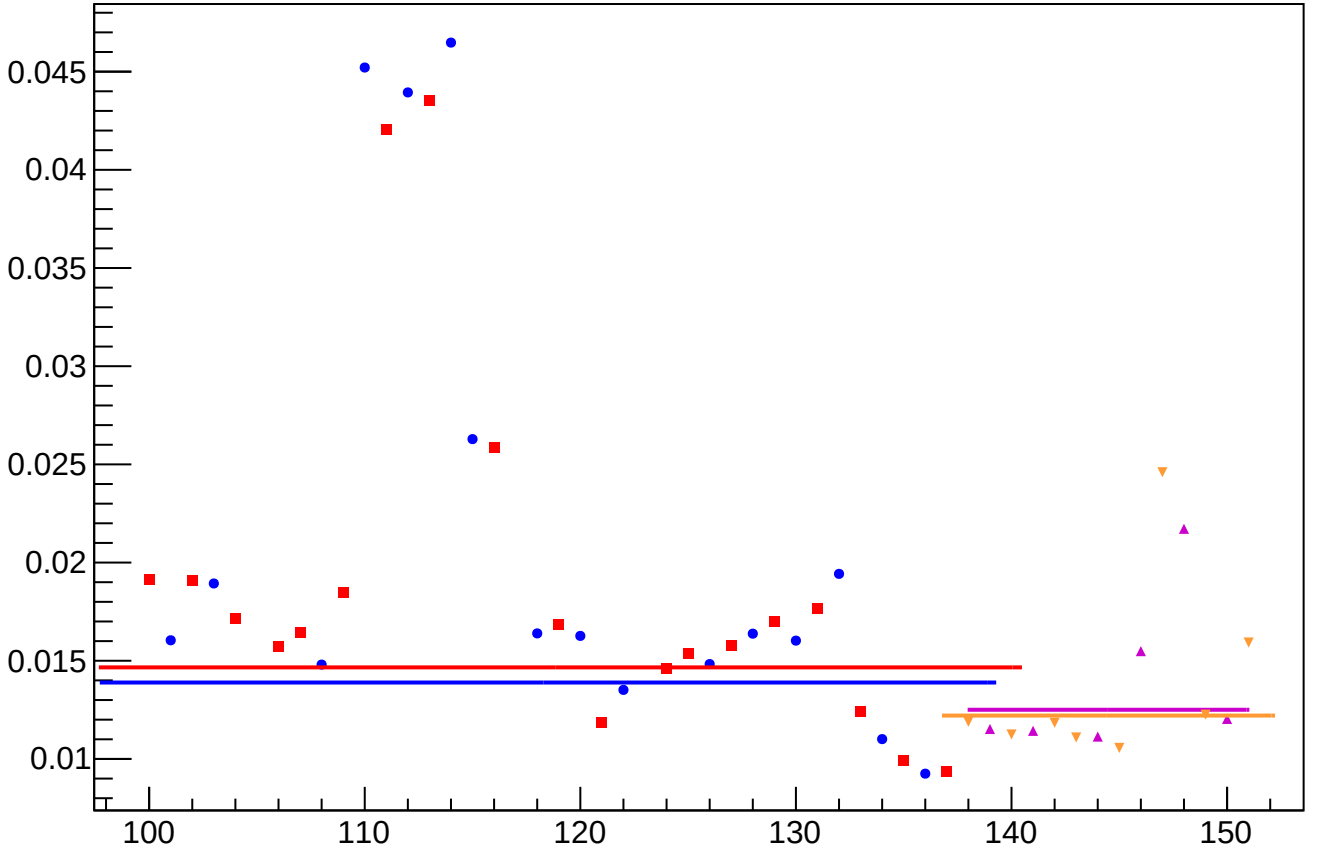
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.774+/-0.000 χ^2/NDF:3514550866.9/21

Out: 0.778+/-0.000 χ^2/NDF:3900532303.8/26

All: 0.776+/-0.000 χ^2/NDF: 7415688614.0/48

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:554565.5/7

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.013+/-0.000 χ^2/NDF:397851.2/5

Left: 0.012+/-0.000 χ^2/NDF: 955361.7/13

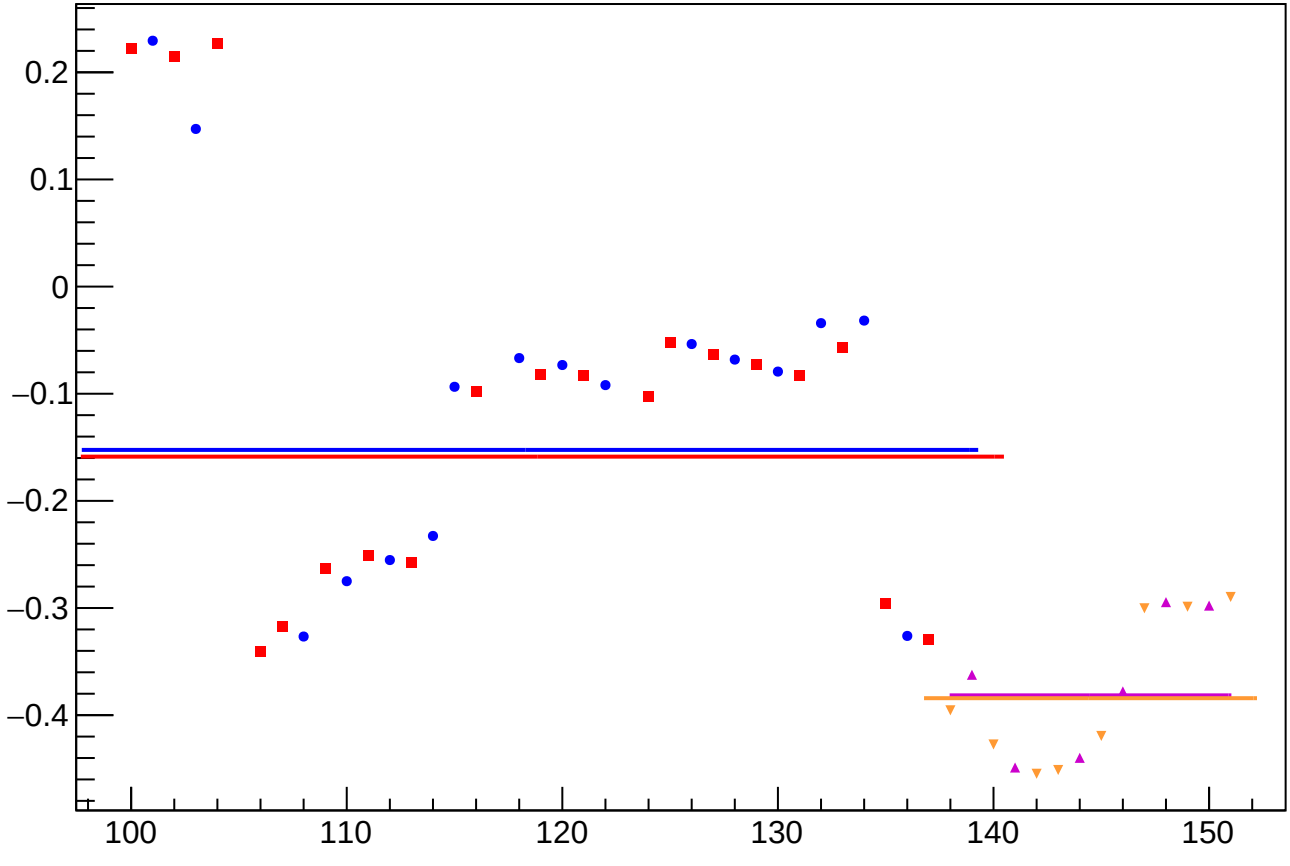
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2103748.6/21

Out: 0.013+/-0.000 χ^2/NDF:2218681.0/26

All: 0.013+/-0.000 χ^2/NDF: 4322777.8/48

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.384+/-0.000 χ^2/NDF:64816671.3/7

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.382+/-0.000 χ^2/NDF:46571706.4/5

Left: -0.383+/-0.000 χ^2/NDF: 111432342.7/13

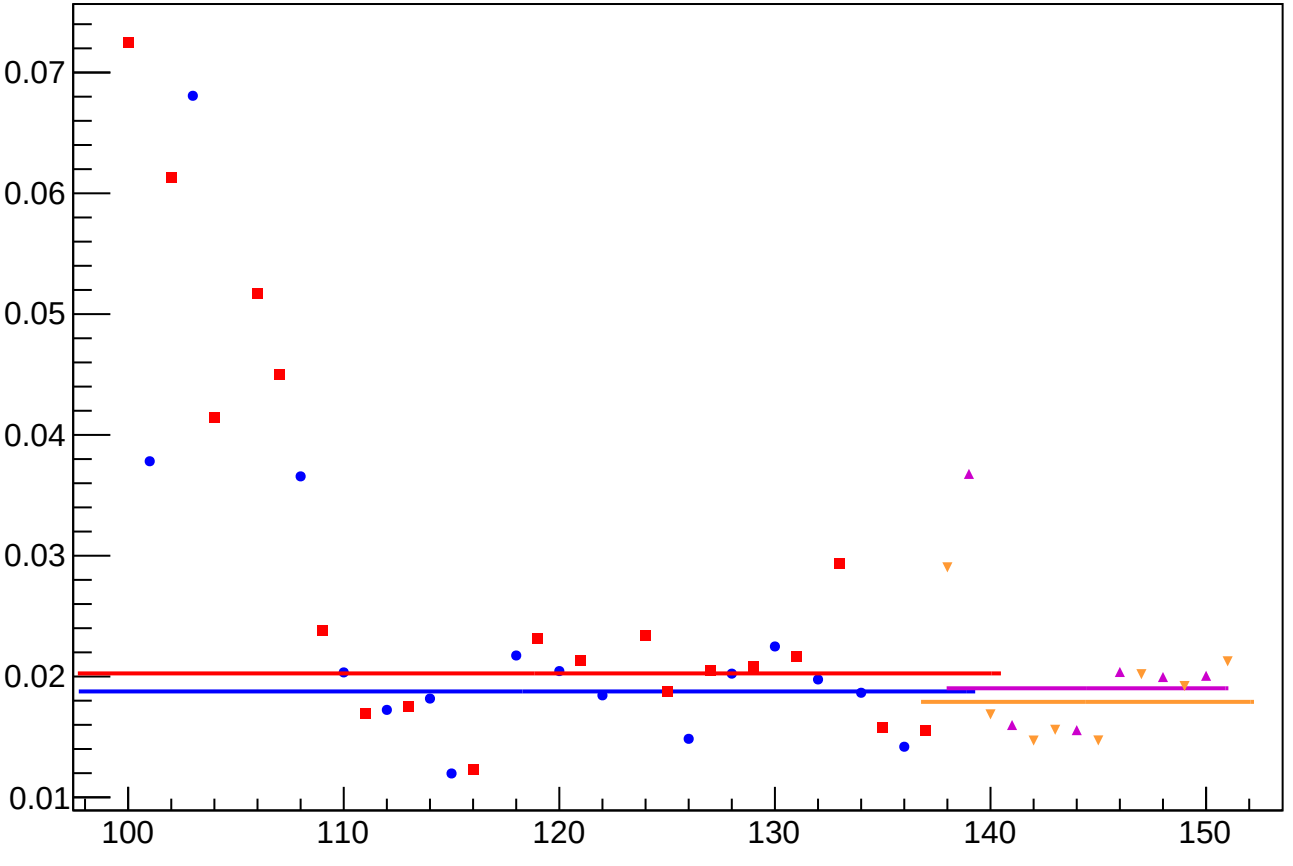
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.250+/-0.000 χ^2/NDF:655659362.1/21

Out: -0.276+/-0.000 χ^2/NDF:612025020.3/26

All: -0.263+/-0.000 χ^2/NDF: 1277026706.8/4

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:371245.4/7

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:514923.4/5

Left: 0.018+/-0.000 χ^2/NDF: 902033.7/13

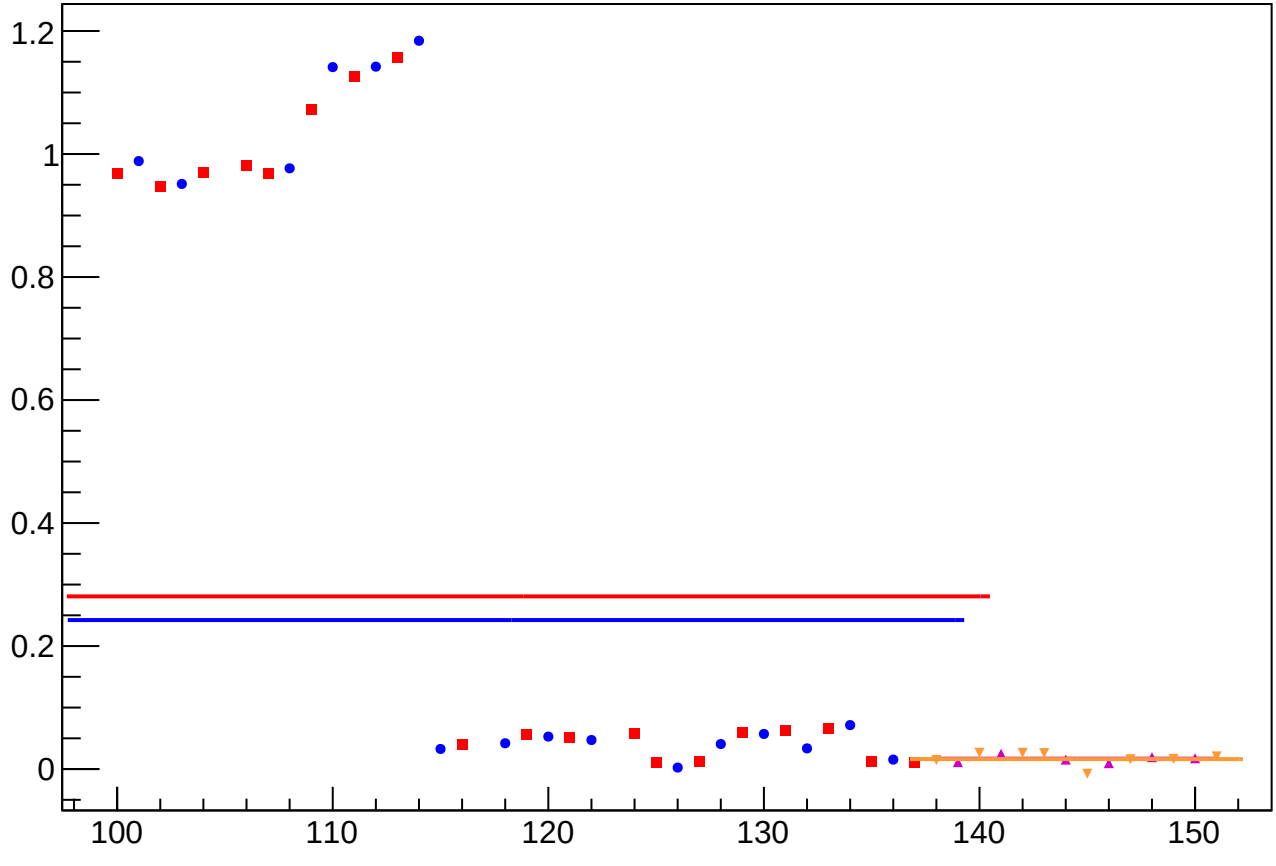
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1865207.4/21

Out: 0.019+/-0.000 χ^2/NDF:1977579.6/26

All: 0.019+/-0.000 χ^2/NDF: 3843418.9/48

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:6884984.2/7

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.017+/-0.000 χ^2/NDF:981582.2/5

Left: 0.017+/-0.000 χ^2/NDF: 7877085.1/13

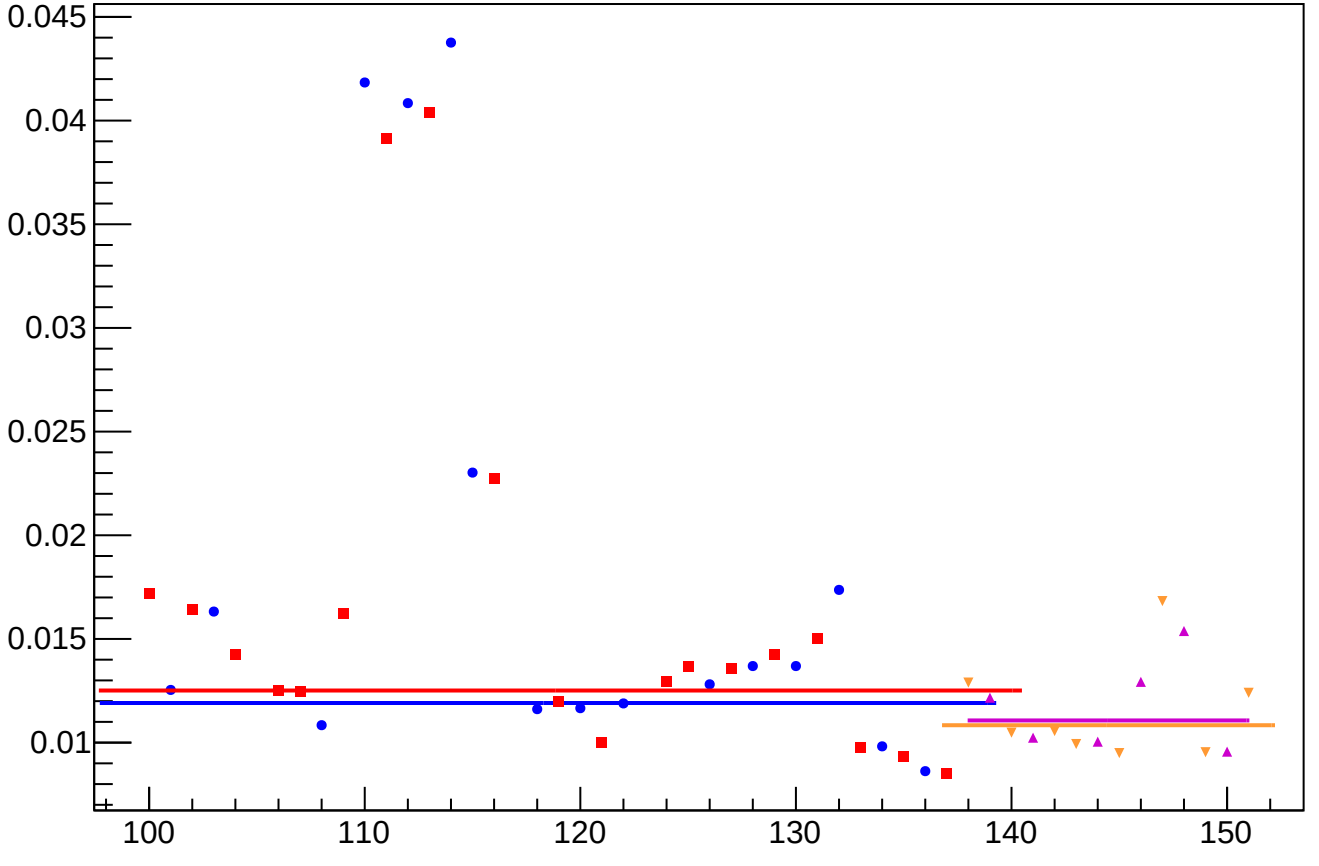
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.133+/-0.000 χ^2/NDF:7549061711.4/21

Out: 0.134+/-0.000 χ^2/NDF:8284922716.4/26

All: 0.133+/-0.000 χ^2/NDF: 15834078426.3/4

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:342792.6/7

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:245273.6/5

Left: 0.011+/-0.000 χ^2/NDF: 590409.4/13

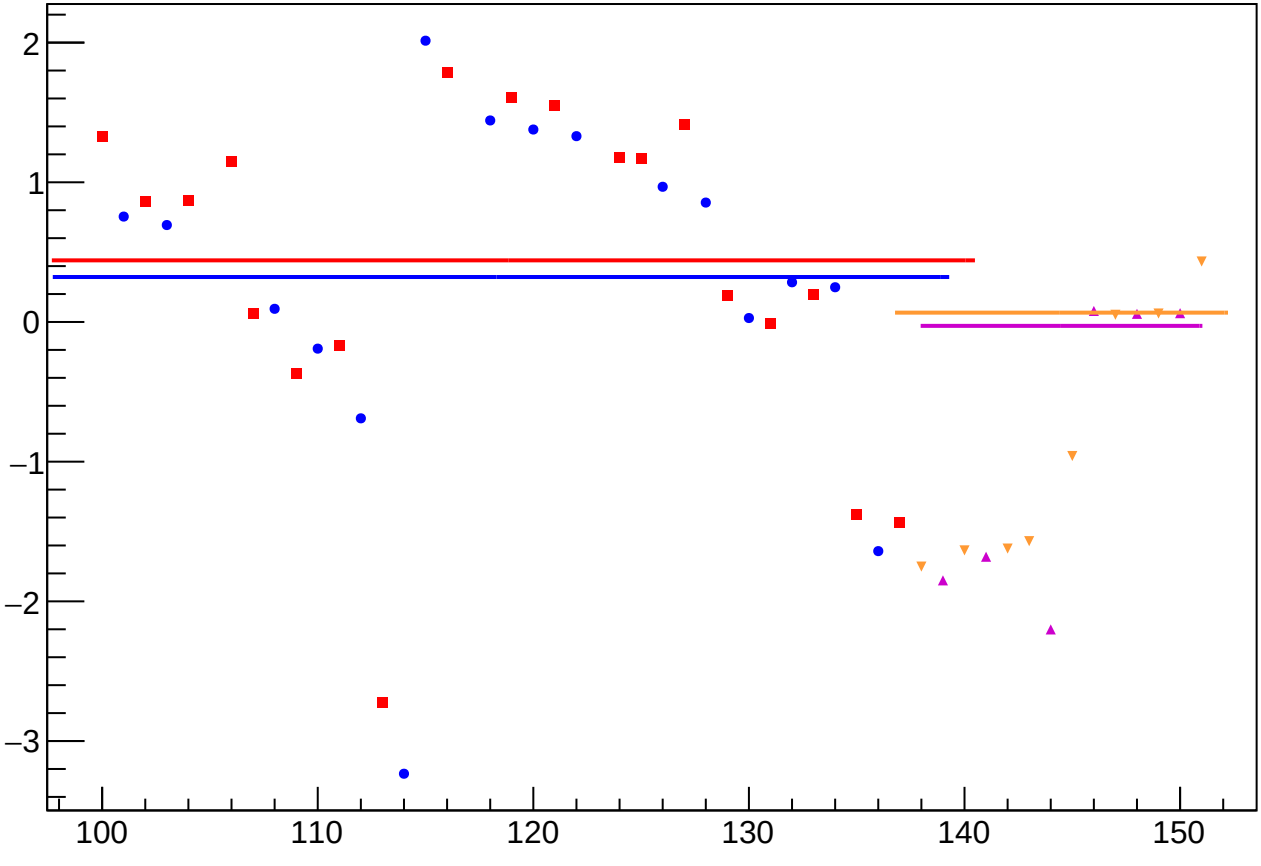
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.012+/-0.000 χ^2/NDF:1733671.8/21

Out: 0.012+/-0.000 χ^2/NDF:1857015.7/26

All: 0.012+/-0.000 χ^2/NDF: 3591274.7/48

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.067+/-0.000 χ^2/NDF:1523865058.0/7

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: -0.028+/-0.000 χ^2/NDF:1637716657.3/5

Left: 0.019+/-0.000 χ^2/NDF: 3200528537.2/13

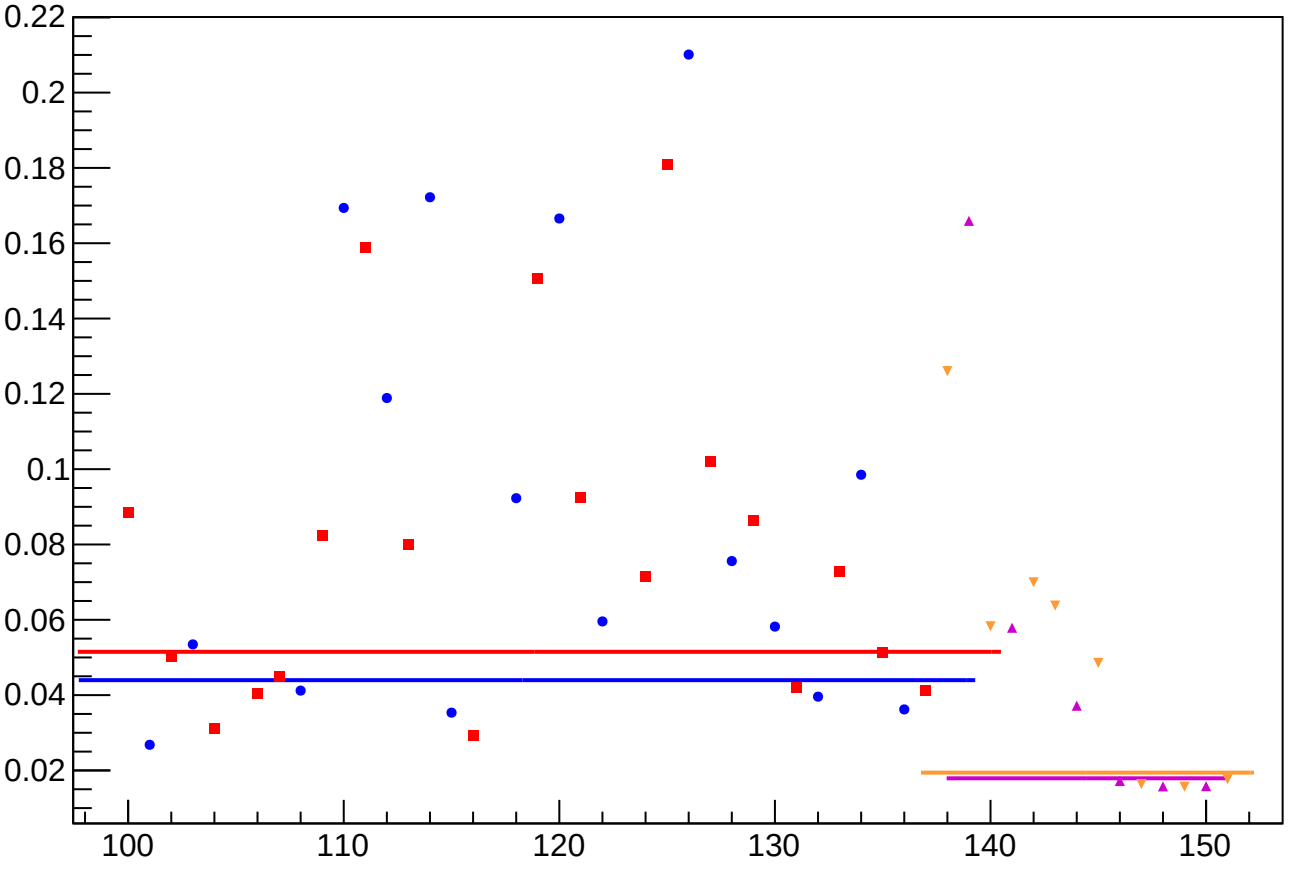
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.037+/-0.000 χ^2/NDF:3500421958.4/21

Out: 0.127+/-0.000 χ^2/NDF:3514264847.3/26

All: 0.081+/-0.000 χ^2/NDF: 7056861326.9/48

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:2583808.7/7

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.018+/-0.000 χ^2/NDF:1917348.9/5

Left: 0.019+/-0.000 χ^2/NDF: 4520953.9/13

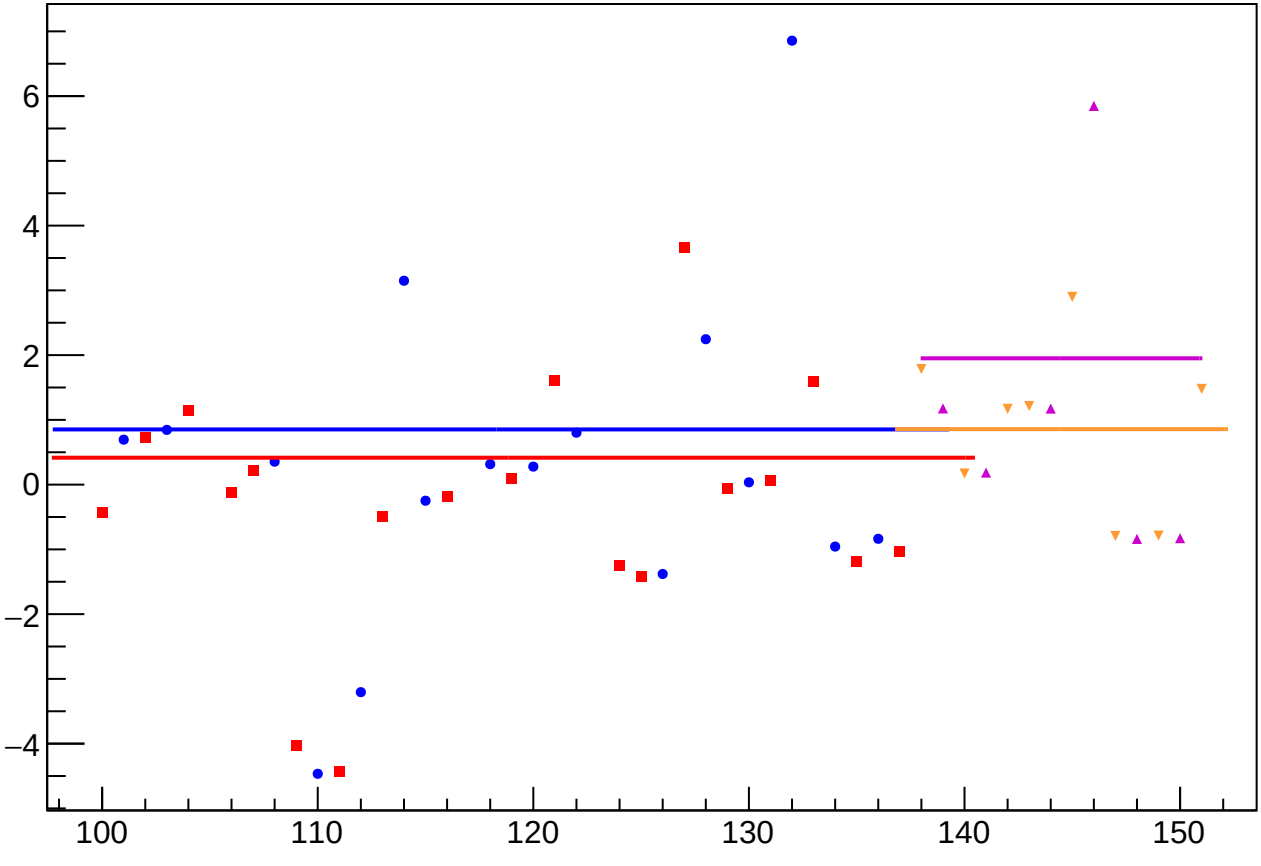
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.023+/-0.000 χ^2/NDF:6900895.7/21

Out: 0.025+/-0.000 χ^2/NDF:7798501.2/26

All: 0.024+/-0.000 χ^2/NDF: 14733517.3/48

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.857+/-0.000 χ^2/NDF:28975626907.7/7

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 1.951+/-0.000 χ^2/NDF:113071547959.5/5

Left: 1.387+/-0.000 χ^2/NDF: 148705302289.2/13

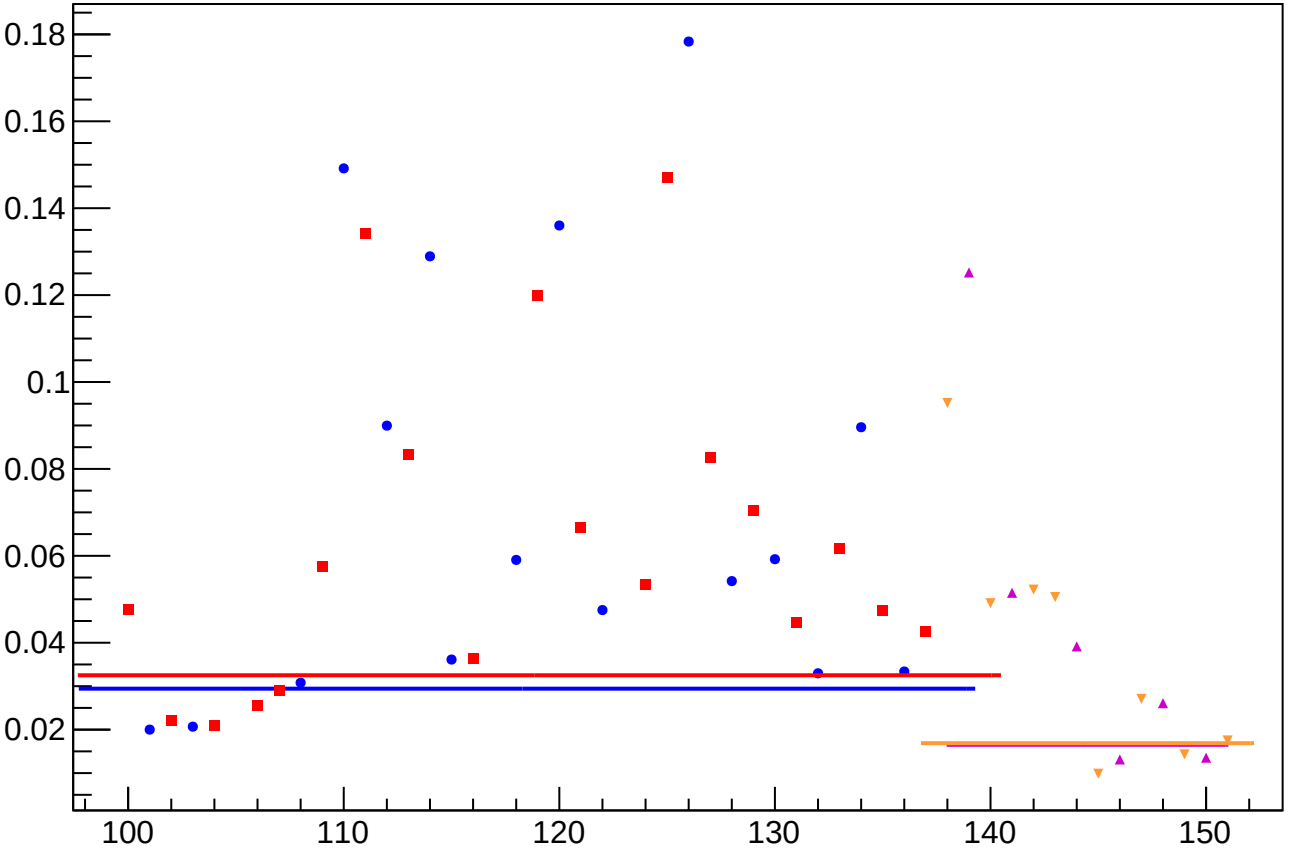
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 1.640+/-0.000 χ^2/NDF:128332571564.9/21

Out: 0.745+/-0.000 χ^2/NDF:34663586286.9/26

All: 1.188+/-0.000 χ^2/NDF: 169094523268.7

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.017+/-0.000 χ^2/NDF:2541290.9/7

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.017+/-0.000 χ^2/NDF:2287174.6/5

Left: 0.017+/-0.000 χ^2/NDF: 4830094.3/13

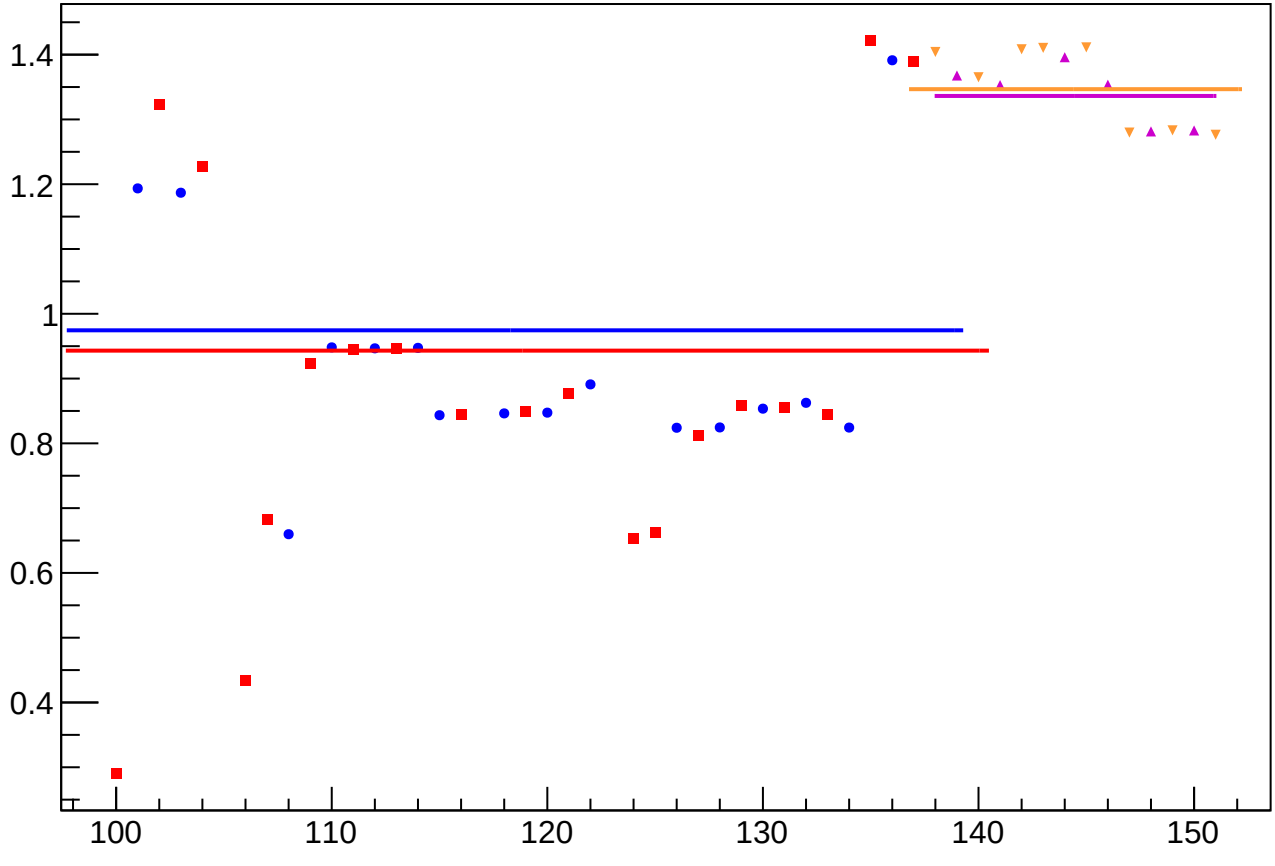
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.020+/-0.000 χ^2/NDF:6500338.3/21

Out: 0.021+/-0.000 χ^2/NDF:7279312.3/26

All: 0.021+/-0.000 χ^2/NDF: 13786996.5/48

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.347+/-0.000 χ^2/NDF:125453711.0/7

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.336+/-0.000 χ^2/NDF:56805977.5/5

Left: 1.342+/-0.000 χ^2/NDF: 183963176.9/13

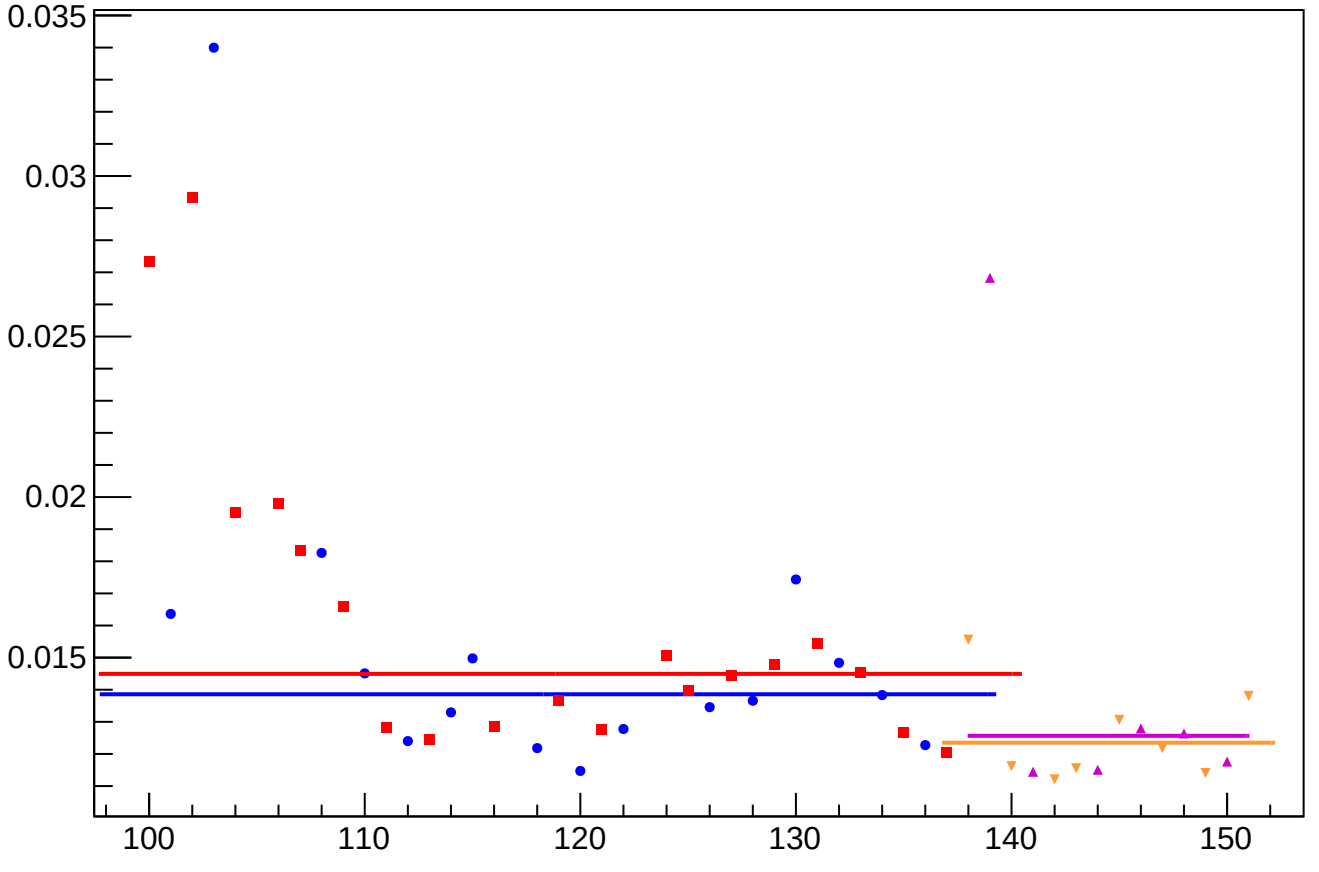
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.143+/-0.000 χ^2/NDF:3493277718.8/21

Out: 1.157+/-0.000 χ^2/NDF:4432374543.0/26

All: 1.150+/-0.000 χ^2/NDF: 7931560656.2/48

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:105548.9/7

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:493319.4/5

Left: 0.012+/-0.000 χ^2/NDF: 600290.0/13

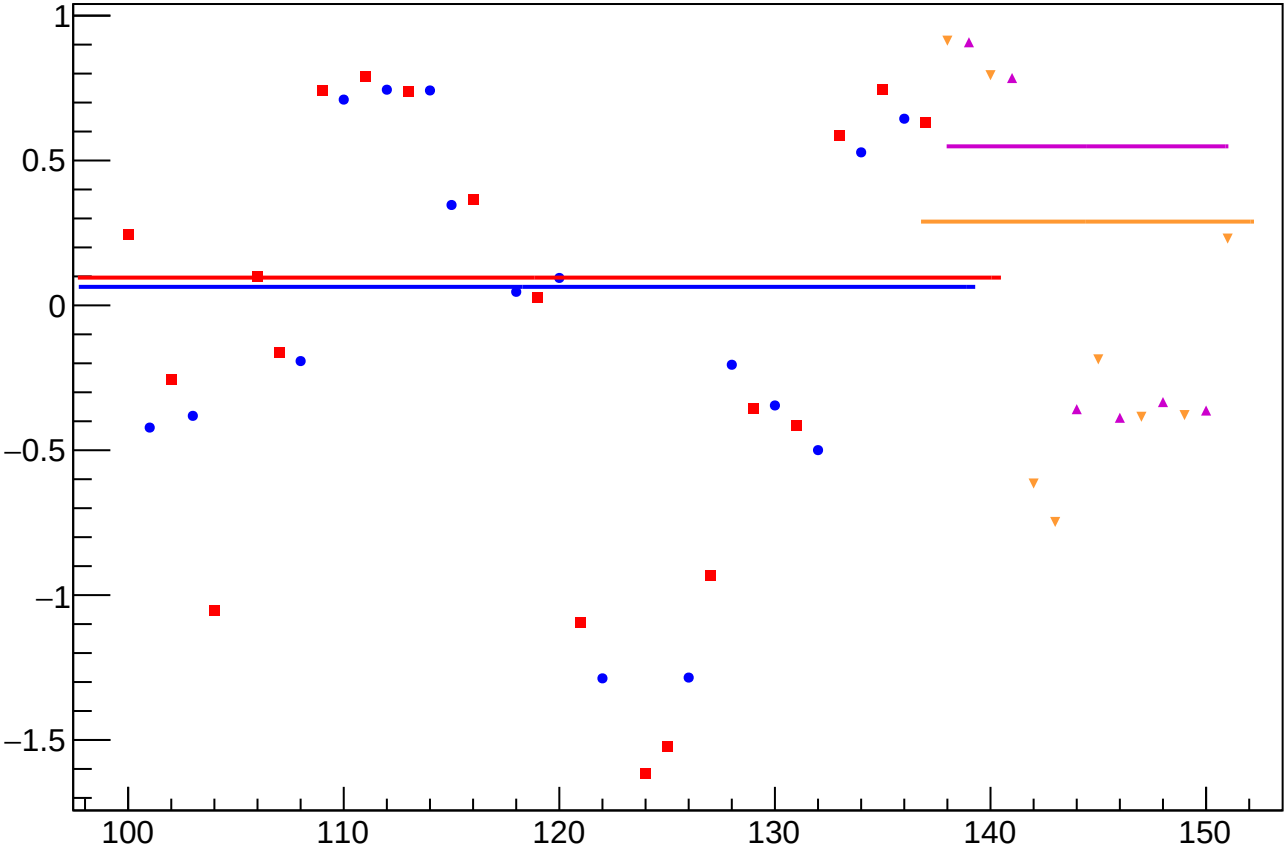
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.013+/-0.000 χ^2/NDF:1144000.9/21

Out: 0.013+/-0.000 χ^2/NDF:798533.5/26

All: 0.013+/-0.000 χ^2/NDF: 1943193.2/48

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.289+/-0.000 χ^2/NDF:19240146875.8/7

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.549+/-0.000 χ^2/NDF:14166290794.3/5

Left: 0.418+/-0.000 χ^2/NDF: 34943439772.0/13

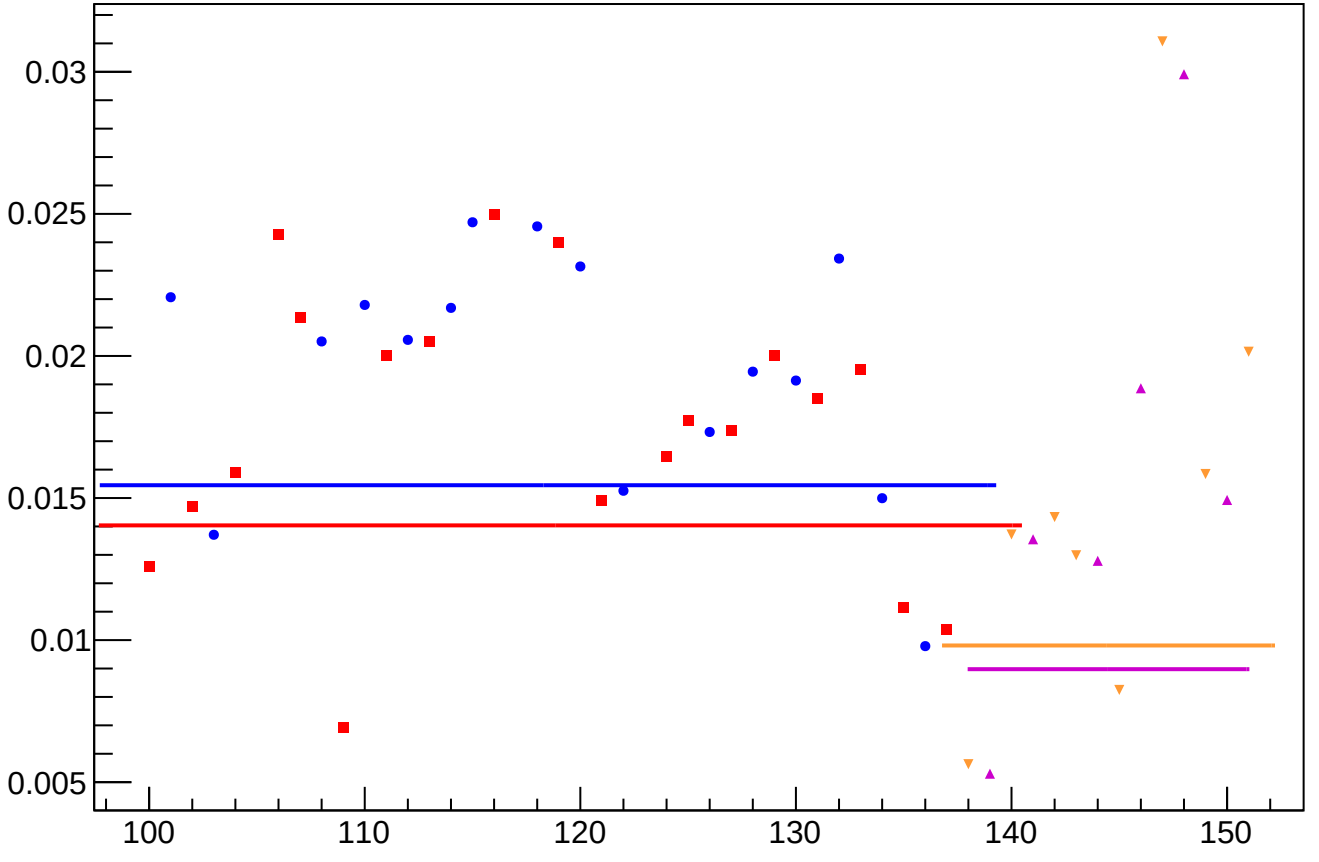
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.375+/-0.000 χ^2/NDF:29003222836.8/21

Out: 0.213+/-0.000 χ^2/NDF:37700734911.2/26

All: 0.291+/-0.000 χ^2/NDF: 67664633710.5/4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2403266.9/7

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.009+/-0.000 χ^2/NDF:2586843.8/5

Left: 0.009+/-0.000 χ^2/NDF: 5021798.6/13

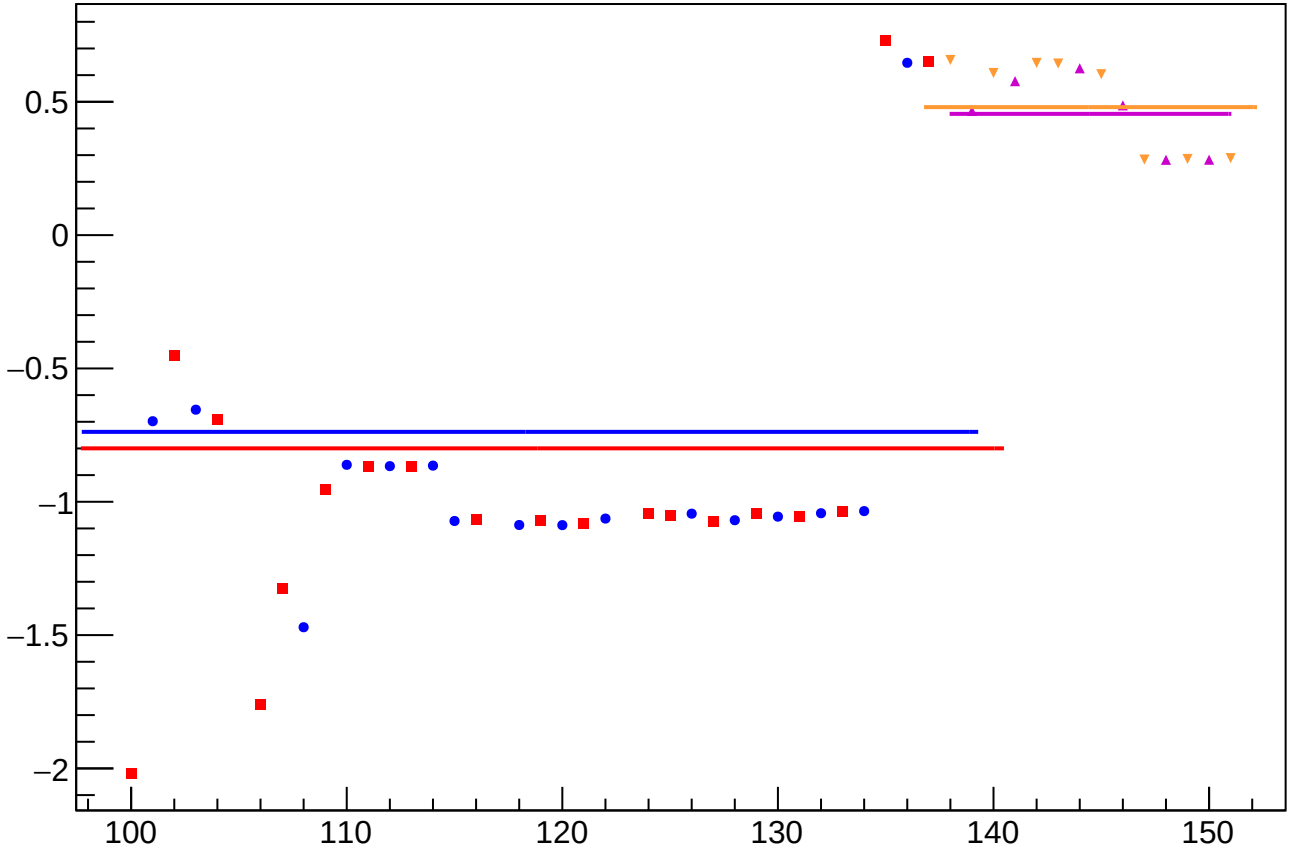
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.011+/-0.000 χ^2/NDF:5235091.2/21

Out: 0.011+/-0.000 χ^2/NDF:4736172.9/26

All: 0.011+/-0.000 χ^2/NDF: 9973653.0/48

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.480+/-0.000 χ^2/NDF:153137574.0/7

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.455+/-0.000 χ^2/NDF:90136678.1/5

Left: 0.469+/-0.000 χ^2/NDF: 244796100.6/13

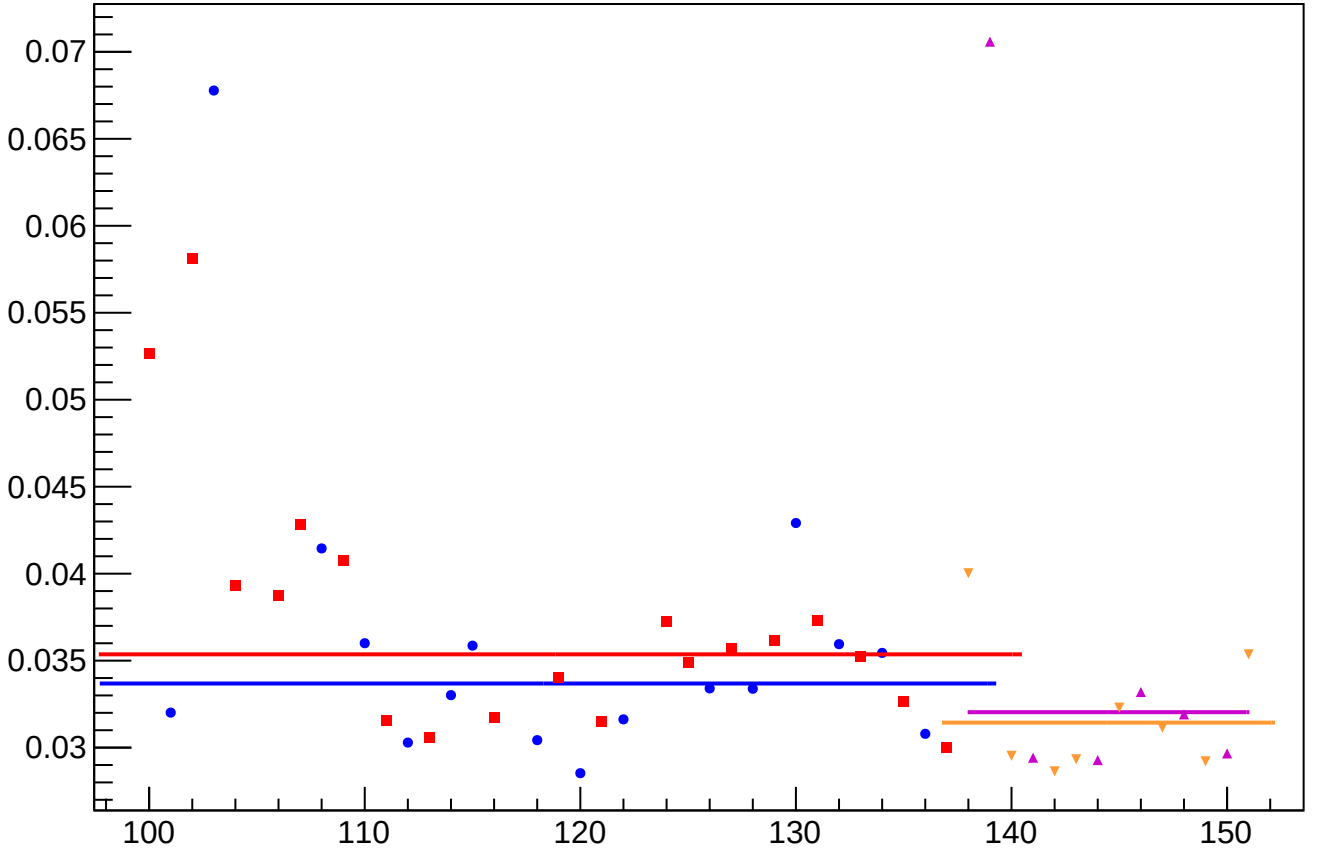
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.215+/-0.000 χ^2/NDF:5623779668.8/21

Out: -0.153+/-0.000 χ^2/NDF:6315001727.7/26

All: -0.183+/-0.000 χ^2/NDF: 11958372112.0/

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:107558.2/7

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.032+/-0.000 χ^2/NDF:519919.5/5

Left: 0.032+/-0.000 χ^2/NDF: 629191.9/13

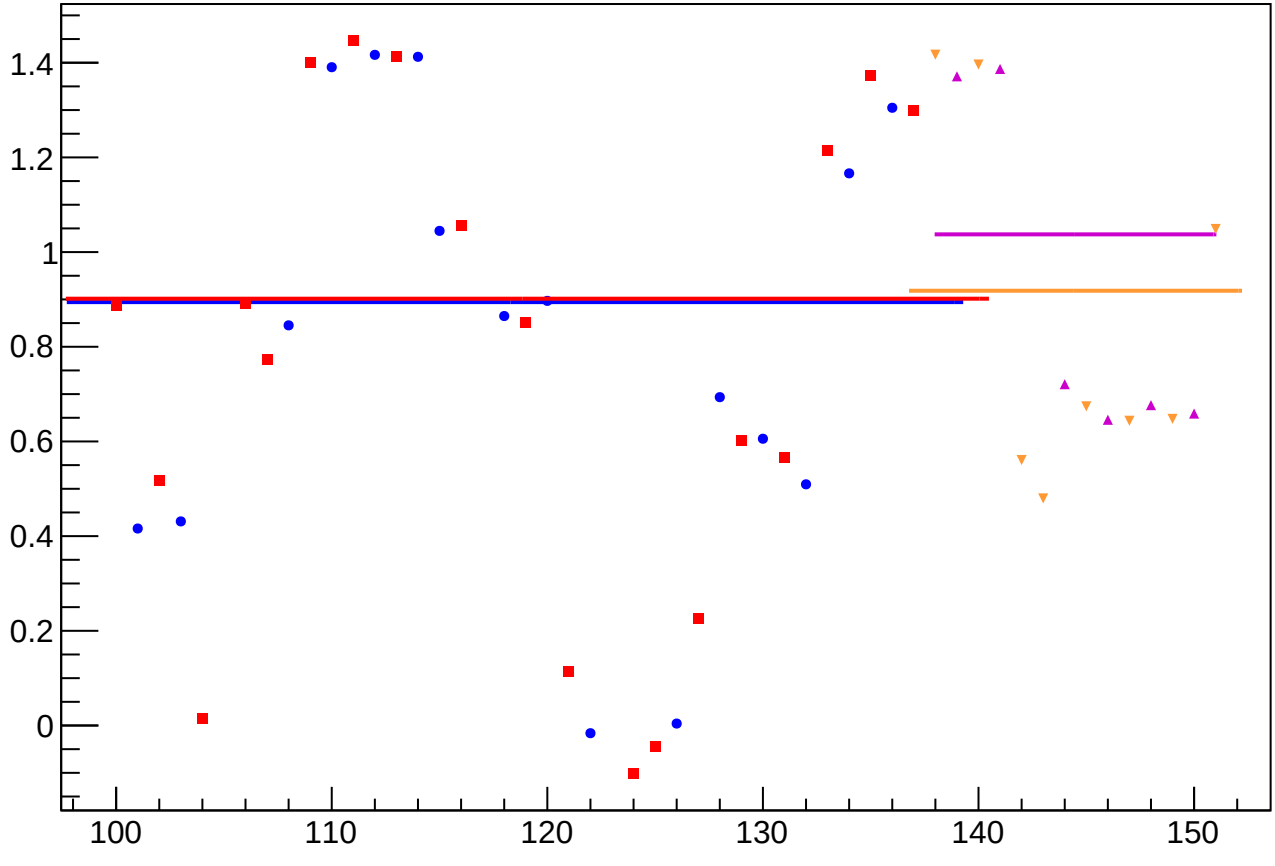
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:953362.5/21

Out: 0.033+/-0.000 χ^2/NDF:484402.6/26

All: 0.033+/-0.000 χ^2/NDF: 1439525.4/48

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 0.918+/-0.000 χ^2/NDF:10067046679.3/7

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.037+/-0.000 χ^2/NDF:6814475528.4/5

Left: 0.973+/-0.000 χ^2/NDF: 17319122787.1/13

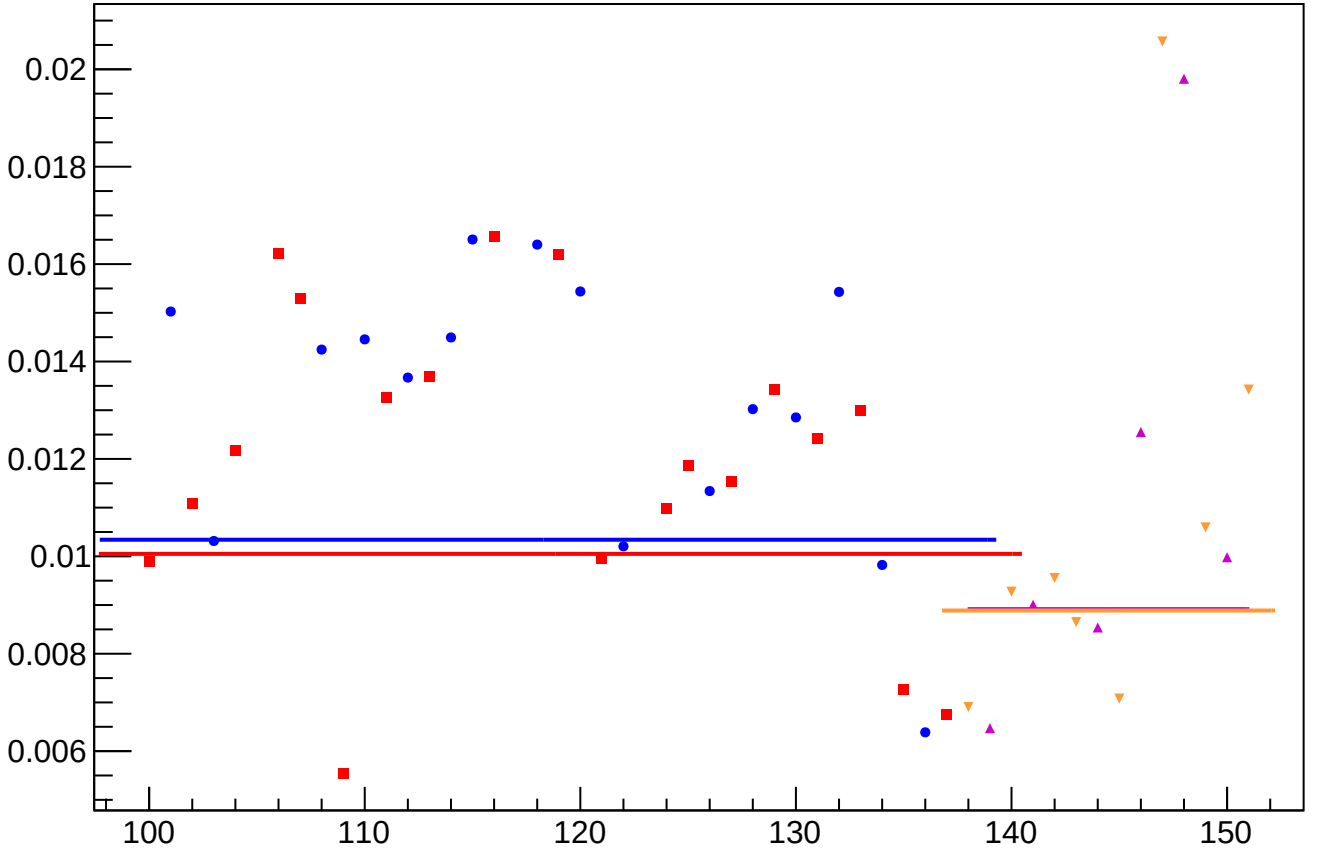
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 0.966+/-0.000 χ^2/NDF:20139857538.9/21

Out: 0.910+/-0.000 χ^2/NDF:27969118787.0/26

All: 0.937+/-0.000 χ^2/NDF: 48296542845.1/4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:955500.7/7

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:853254.0/5

Left: 0.009+/-0.000 χ^2/NDF: 1808807.8/13

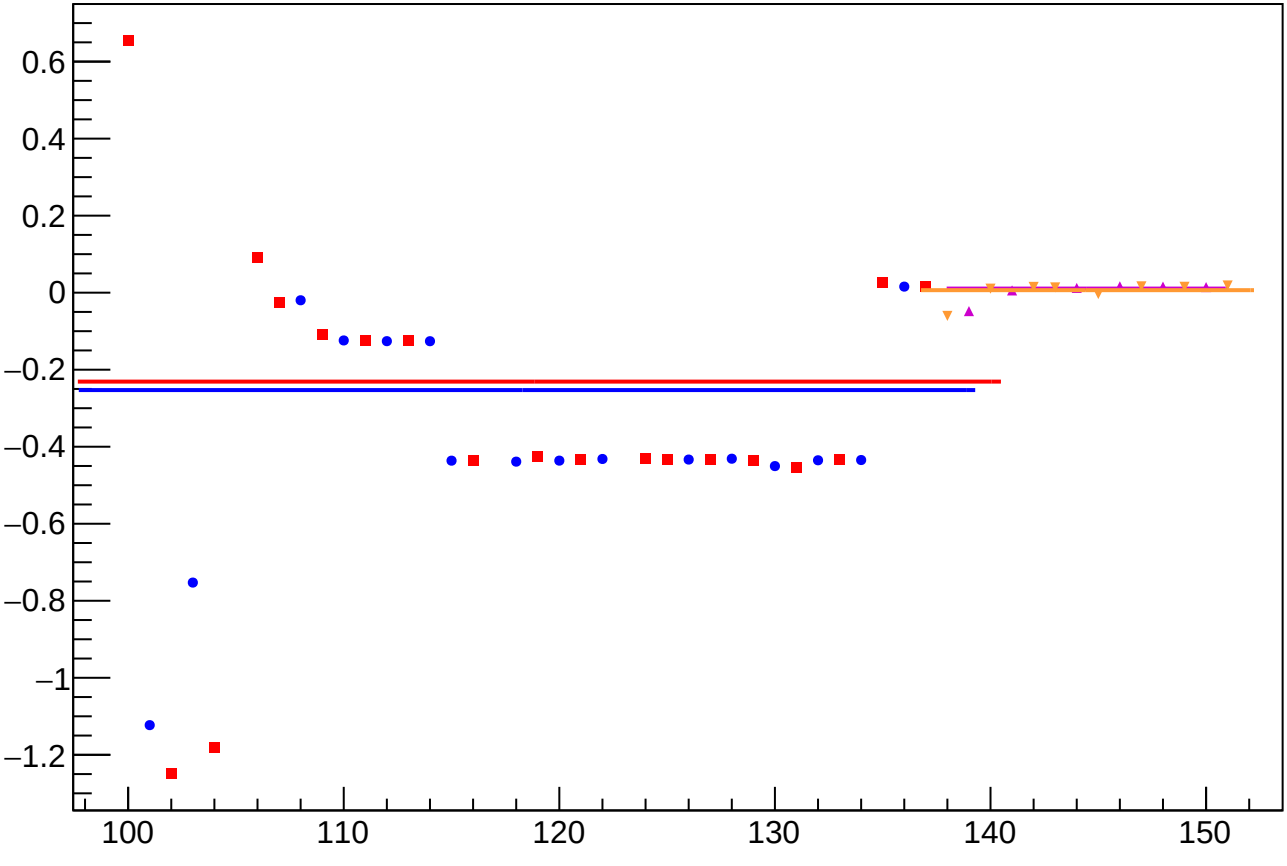
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2317736.8/21

Out: 0.009+/-0.000 χ^2/NDF:2378708.5/26

All: 0.010+/-0.000 χ^2/NDF: 4700713.1/48

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:20018471.1/7

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.011+/-0.000 χ^2/NDF:4728699.1/5

Left: 0.008+/-0.000 χ^2/NDF: 25125672.1/13

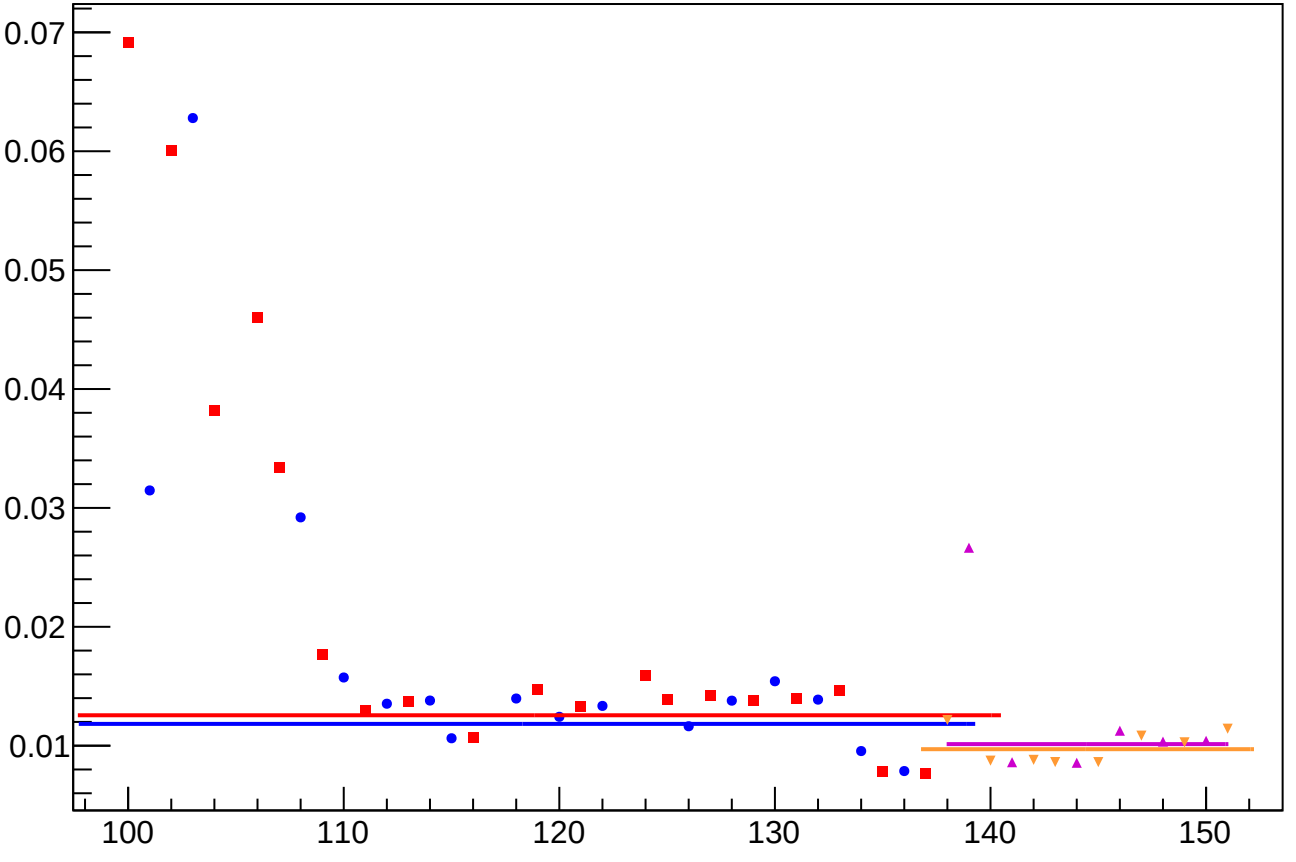
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.115+/-0.000 χ^2/NDF:3324637439.6/21

Out: -0.084+/-0.000 χ^2/NDF:2936437796.6/26

All: -0.098+/-0.000 χ^2/NDF: 6297946191.1/4

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:159193.2/7

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:744889.0/5

Left: 0.010+/-0.000 χ^2/NDF: 912221.6/13

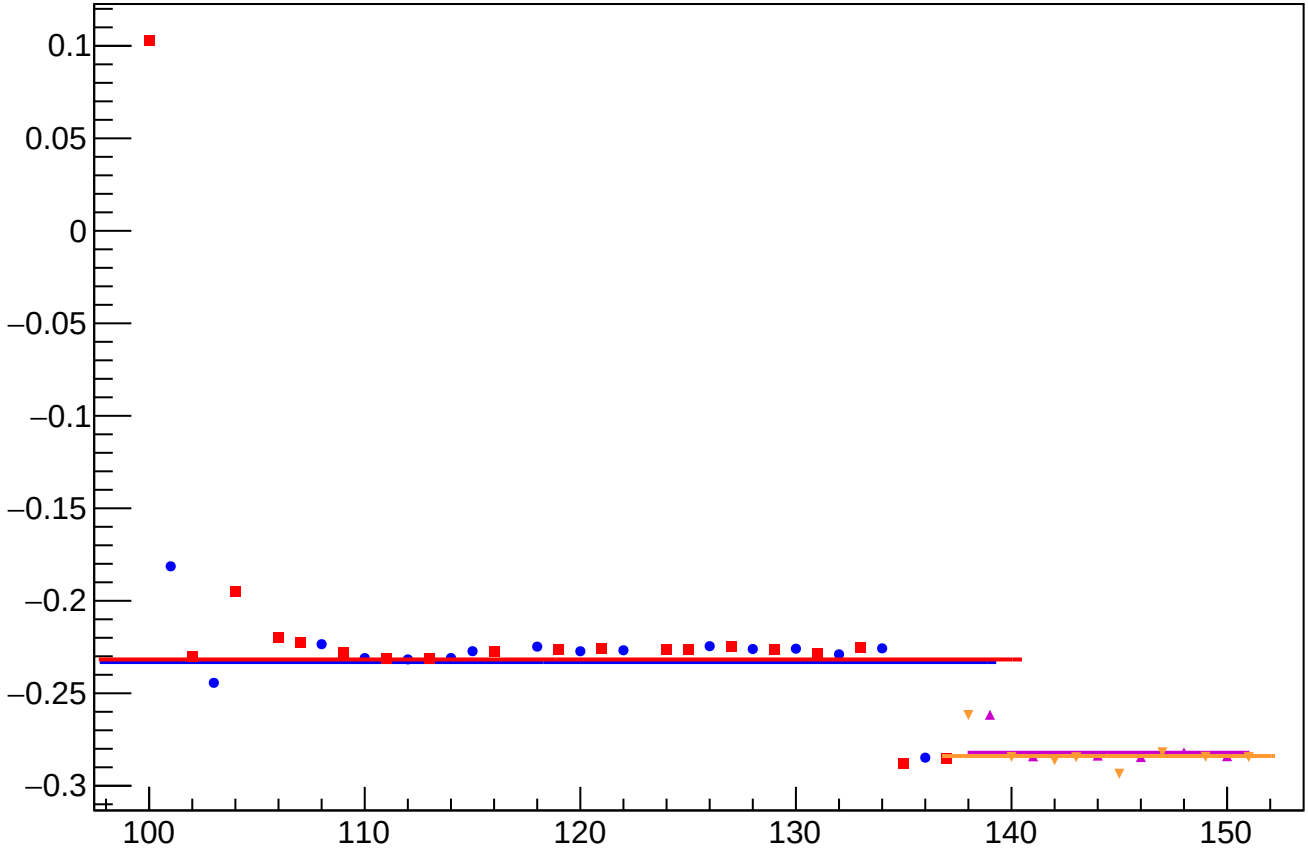
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2795207.3/21

Out: 0.011+/-0.000 χ^2/NDF:2696554.6/26

All: 0.011+/-0.000 χ^2/NDF: 5493480.8/48

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:14471835.9/7

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6112844.6/5

Left: -0.283+/-0.000 χ^2/NDF: 20903206.8/13

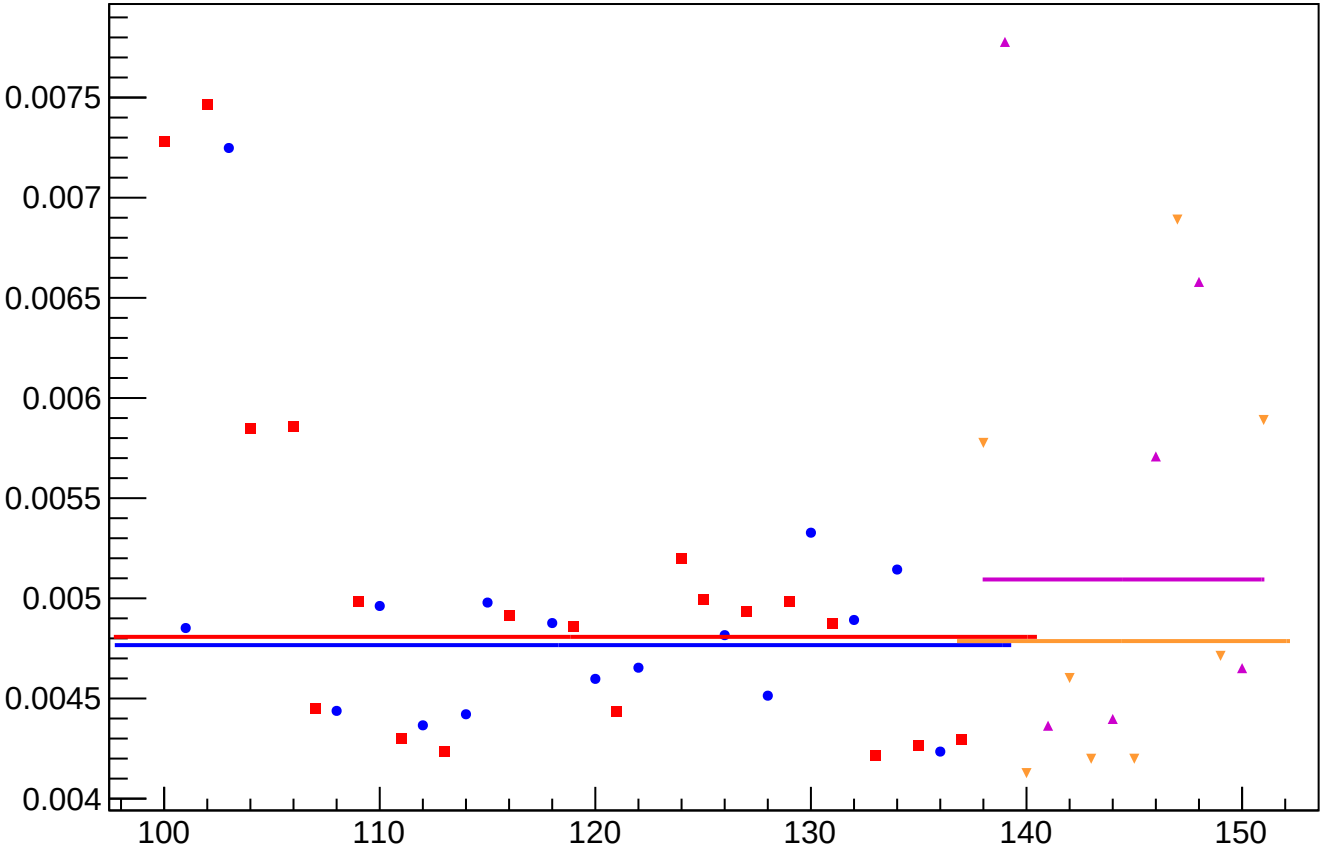
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.252+/-0.000 χ^2/NDF:471149895.1/21

Out: -0.256+/-0.000 χ^2/NDF:661906850.8/26

All: -0.254+/-0.000 χ^2/NDF: 1135709024.0/4

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:346228.8/7

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:392667.3/5

Left: 0.005+/-0.000 χ^2/NDF: 758537.8/13

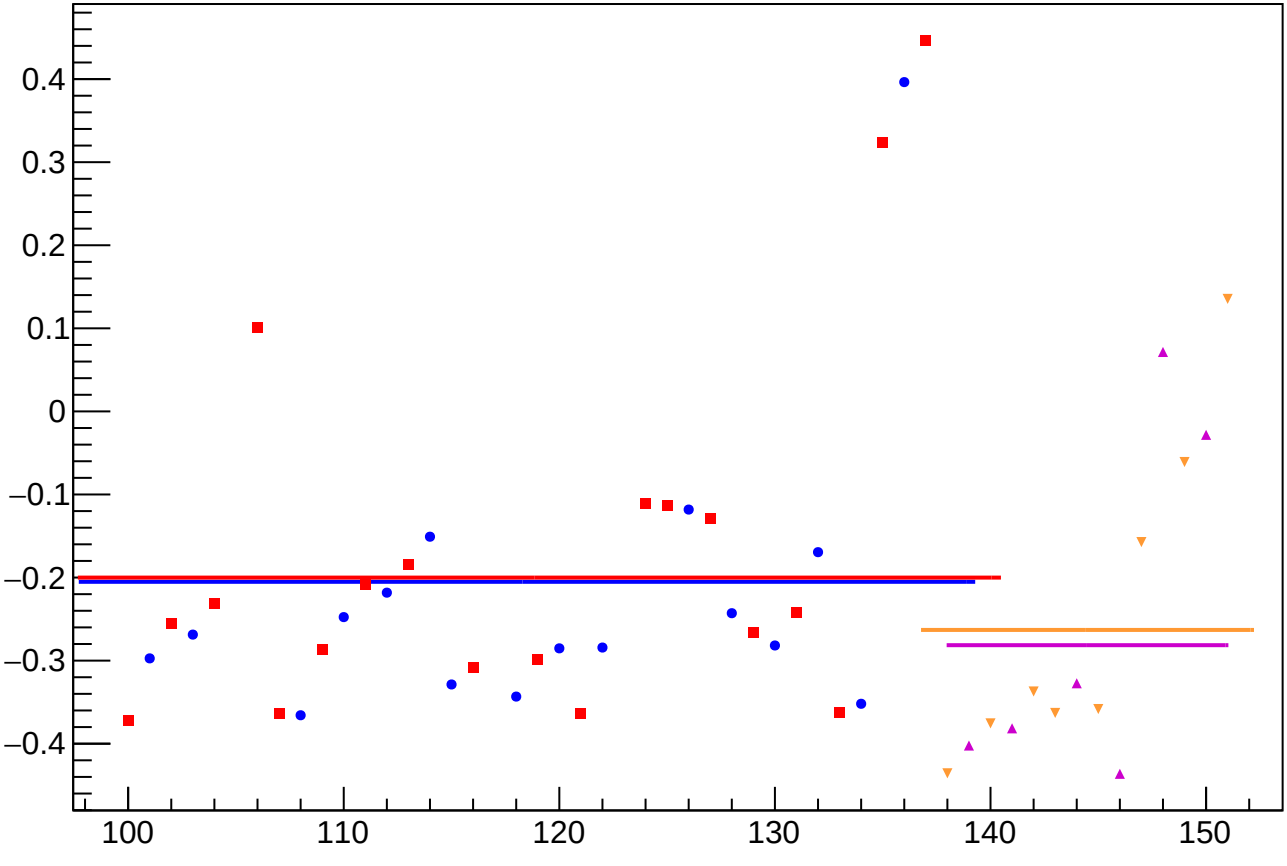
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:608175.0/21

Out: 0.005+/-0.000 χ^2/NDF:640084.4/26

All: 0.005+/-0.000 χ^2/NDF: 1252855.1/48

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.263+/-0.000 χ^2/NDF:6565107567.8/7

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.281+/-0.000 χ^2/NDF:4640753168.9/5

Left: -0.271+/-0.000 χ^2/NDF: 11234432420.3/13

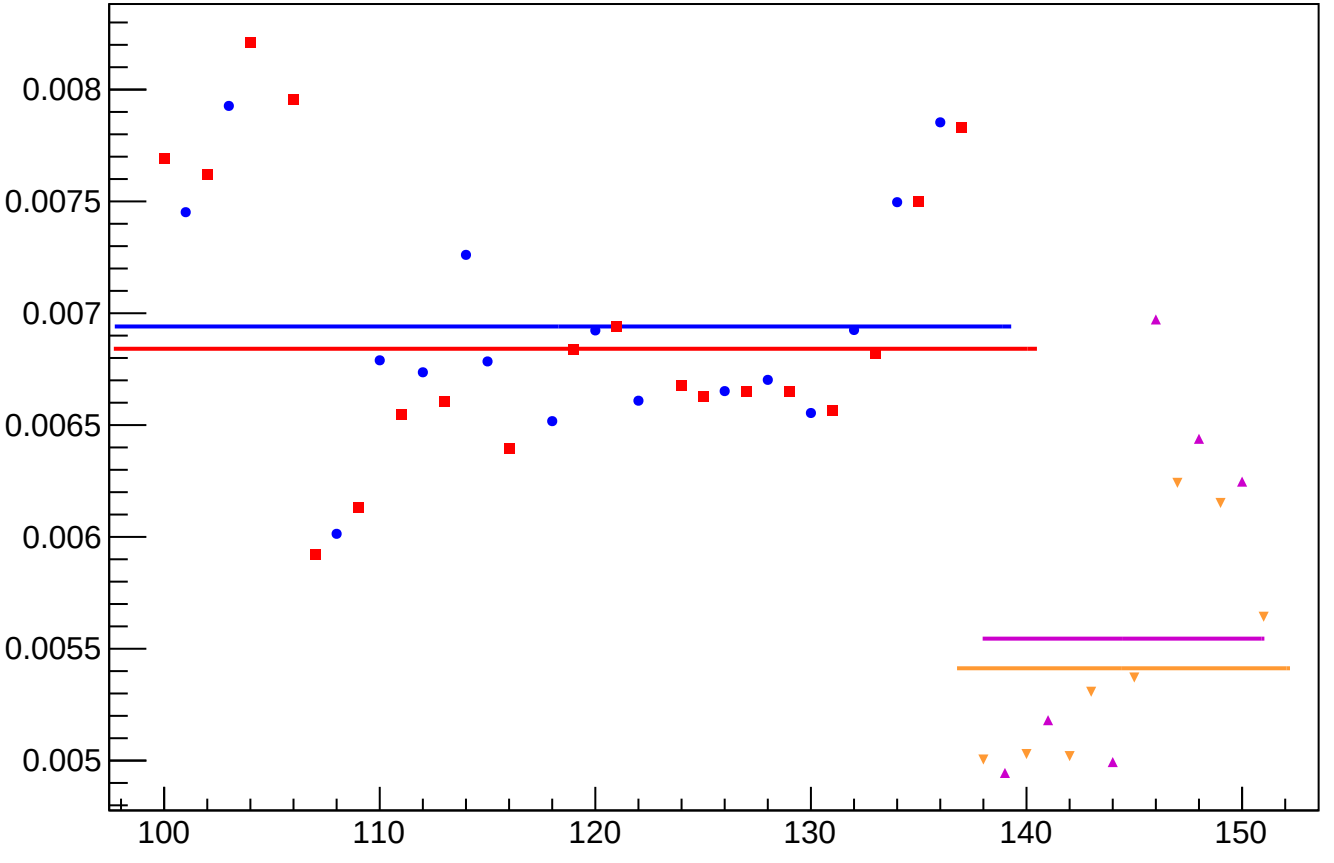
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.244+/-0.000 χ^2/NDF:11262859740.3/21

Out: -0.235+/-0.000 χ^2/NDF:12154578304.4/26

All: -0.239+/-0.000 χ^2/NDF: 23430277780.4/

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:74463.7/7

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:160903.4/5

Left: 0.005+/-0.000 χ^2/NDF: 238343.0/13

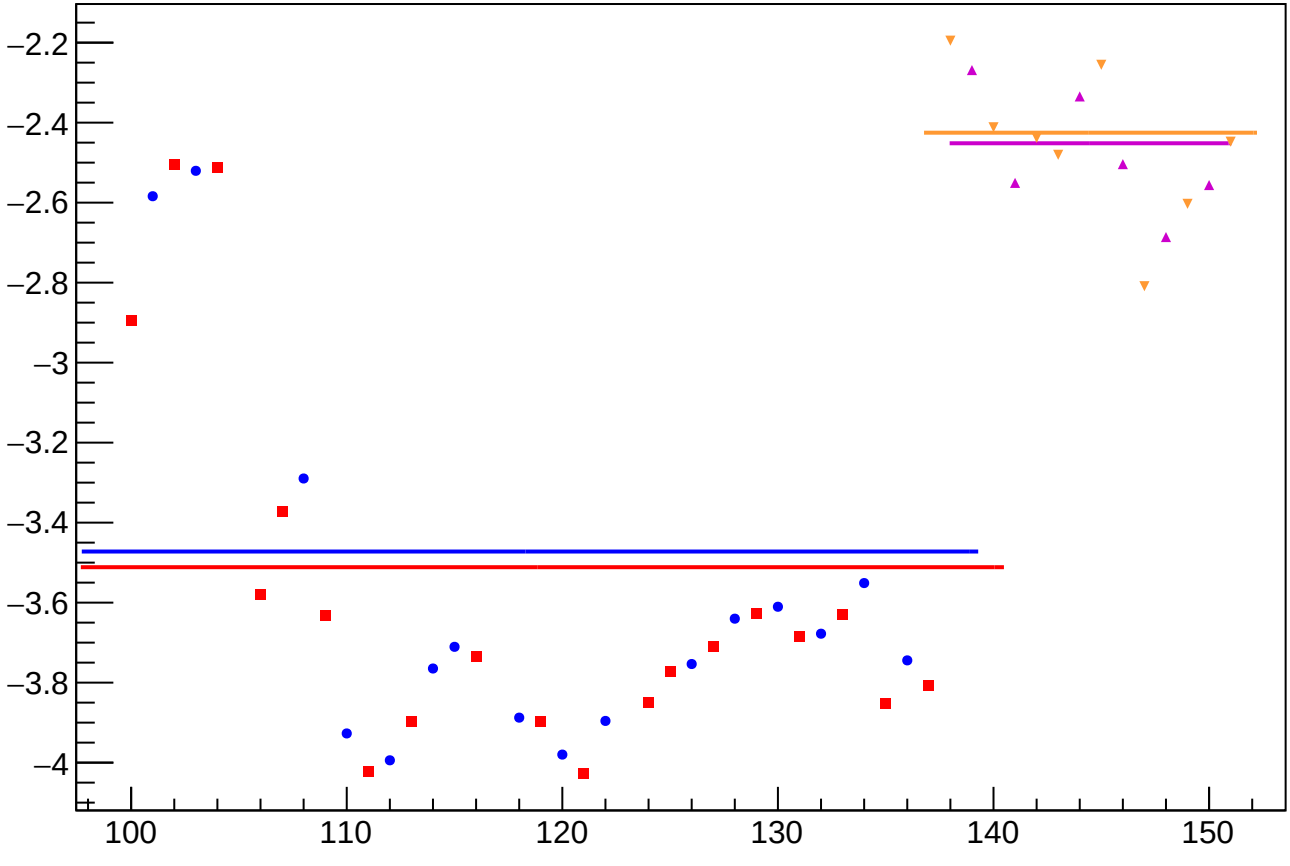
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:535706.0/21

Out: 0.006+/-0.000 χ^2/NDF:523395.0/26

All: 0.006+/-0.000 χ^2/NDF: 1069669.1/48

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.425+/-0.000 χ^2/NDF:1364391617.3/7

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.452+/-0.000 χ^2/NDF:767816914.9/5

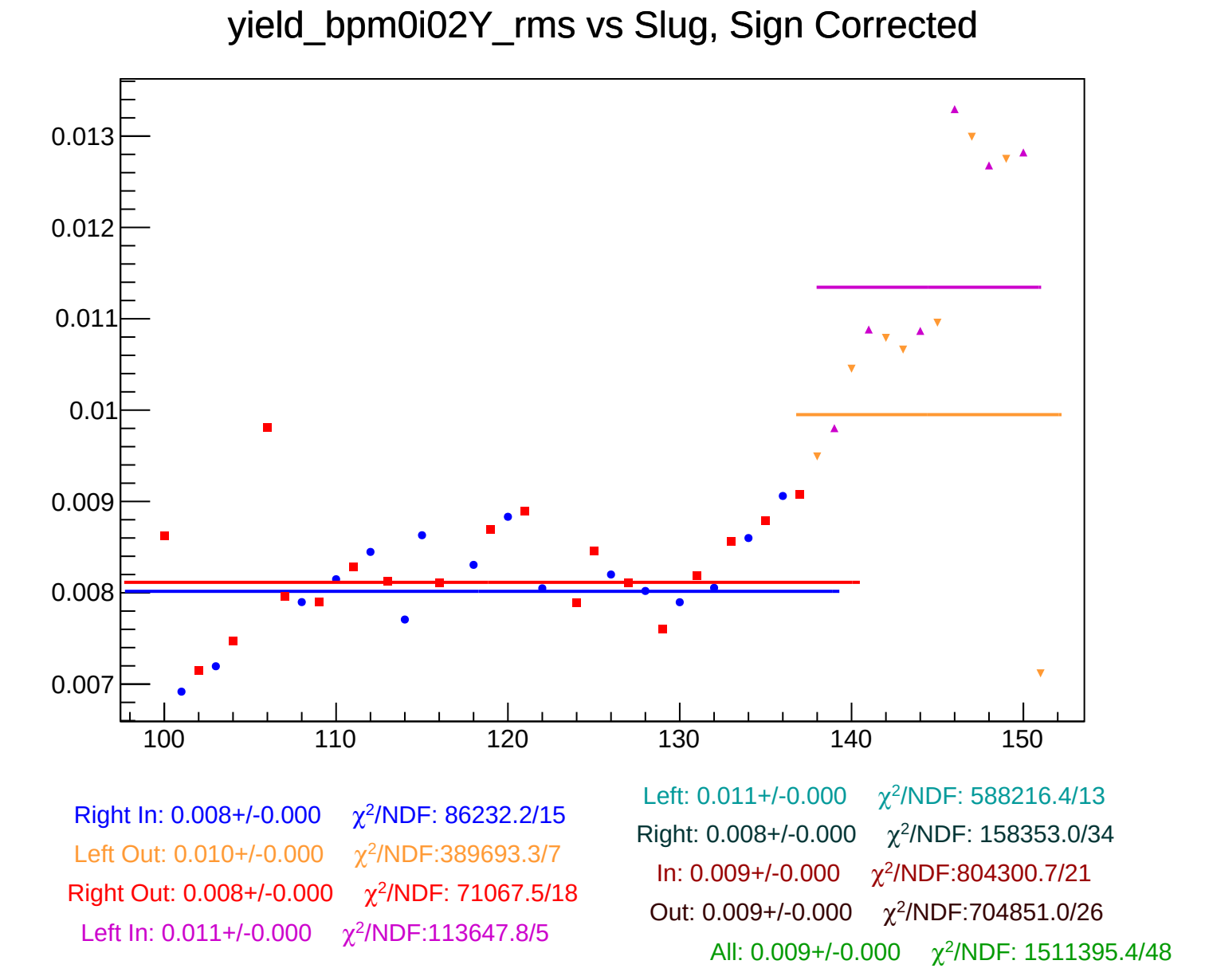
Left: -2.436+/-0.000 χ^2/NDF: 2147463736.9/13

Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

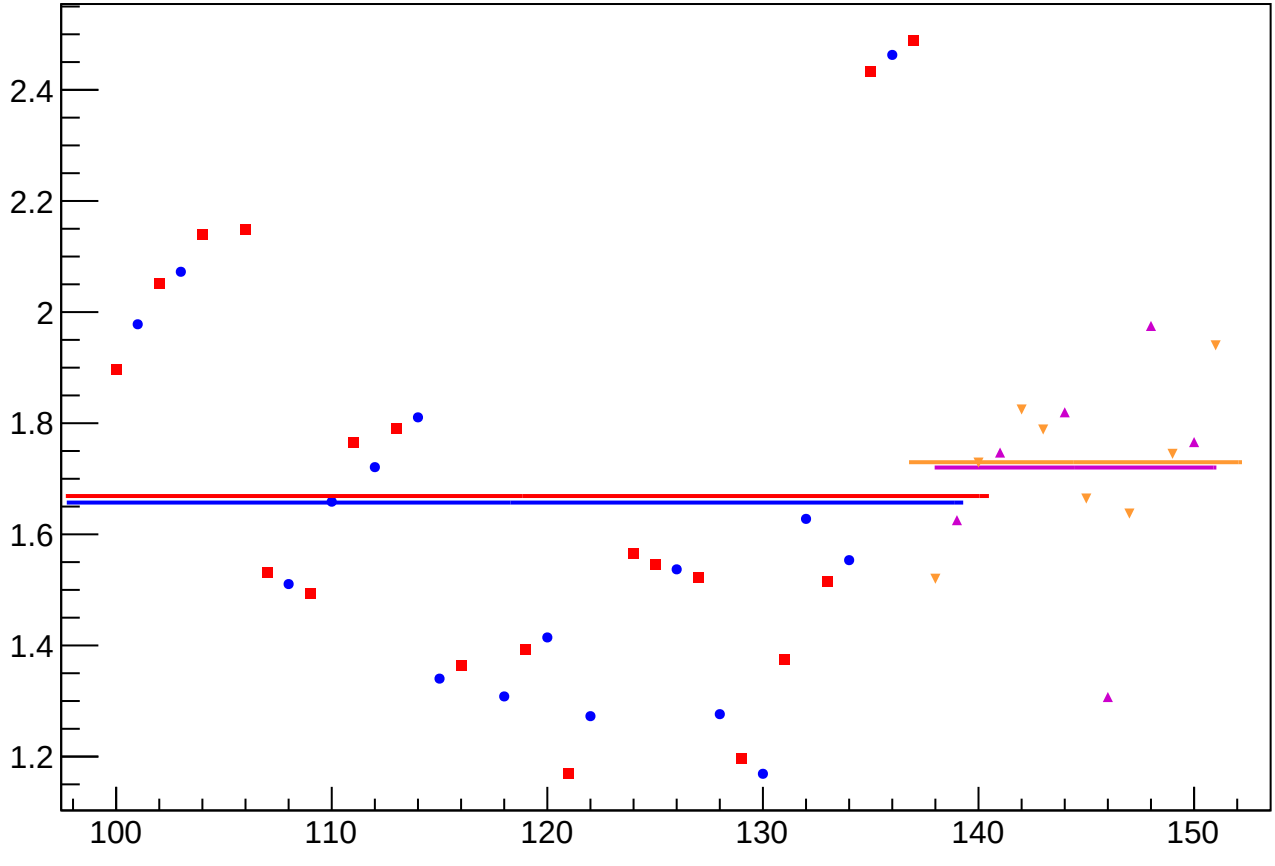
In: -3.216+/-0.000 χ^2/NDF:58765424132.9/21

Out: -3.147+/-0.000 χ^2/NDF:73810240590.0/26

All: -3.180+/-0.000 χ^2/NDF: 132940057323.1


yield_bpm0i02Y_rms vs Slug, Sign Corrected
0.013
0.012
0.011
0.01
0.009
0.008
0.007
100
110
120
130
140
150
Right In: 0.008+/-0.000 χ²/NDF: 86232.2/15
Left Out: 0.010+/-0.000 χ²/NDF:389693.3/7
Right Out: 0.008+/-0.000 χ²/NDF: 71067.5/18
Left In: 0.011+/-0.000 χ²/NDF:113647.8/5
Left: 0.011+/-0.000 χ²/NDF: 588216.4/13
Right: 0.008+/-0.000 χ²/NDF: 158353.0/34
In: 0.009+/-0.000 χ²/NDF:804300.7/21
Out: 0.009+/-0.000 χ²/NDF:704851.0/26
All: 0.009+/-0.000 χ²/NDF: 1511395.4/48

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.730+/-0.000 χ^2/NDF:693422507.0/7

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.720+/-0.000 χ^2/NDF:1093452032.2/5

Left: 1.726+/-0.000 χ^2/NDF: 1788629255.9/13

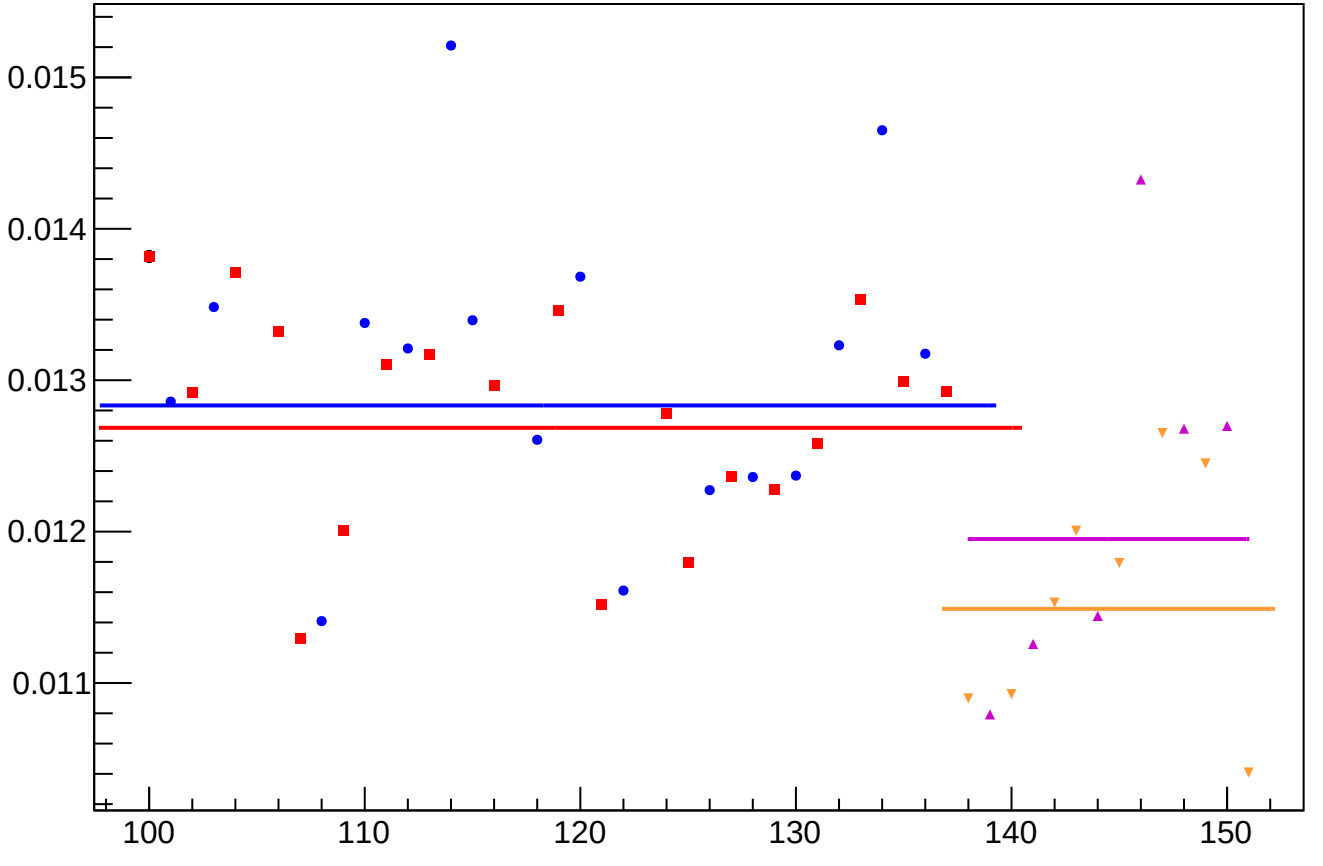
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.685+/-0.000 χ^2/NDF:7834960317.8/21

Out: 1.699+/-0.000 χ^2/NDF:7133232561.2/26

All: 1.693+/-0.000 χ^2/NDF: 14976084810.3/4

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:50826.3/7

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:82692.3/5

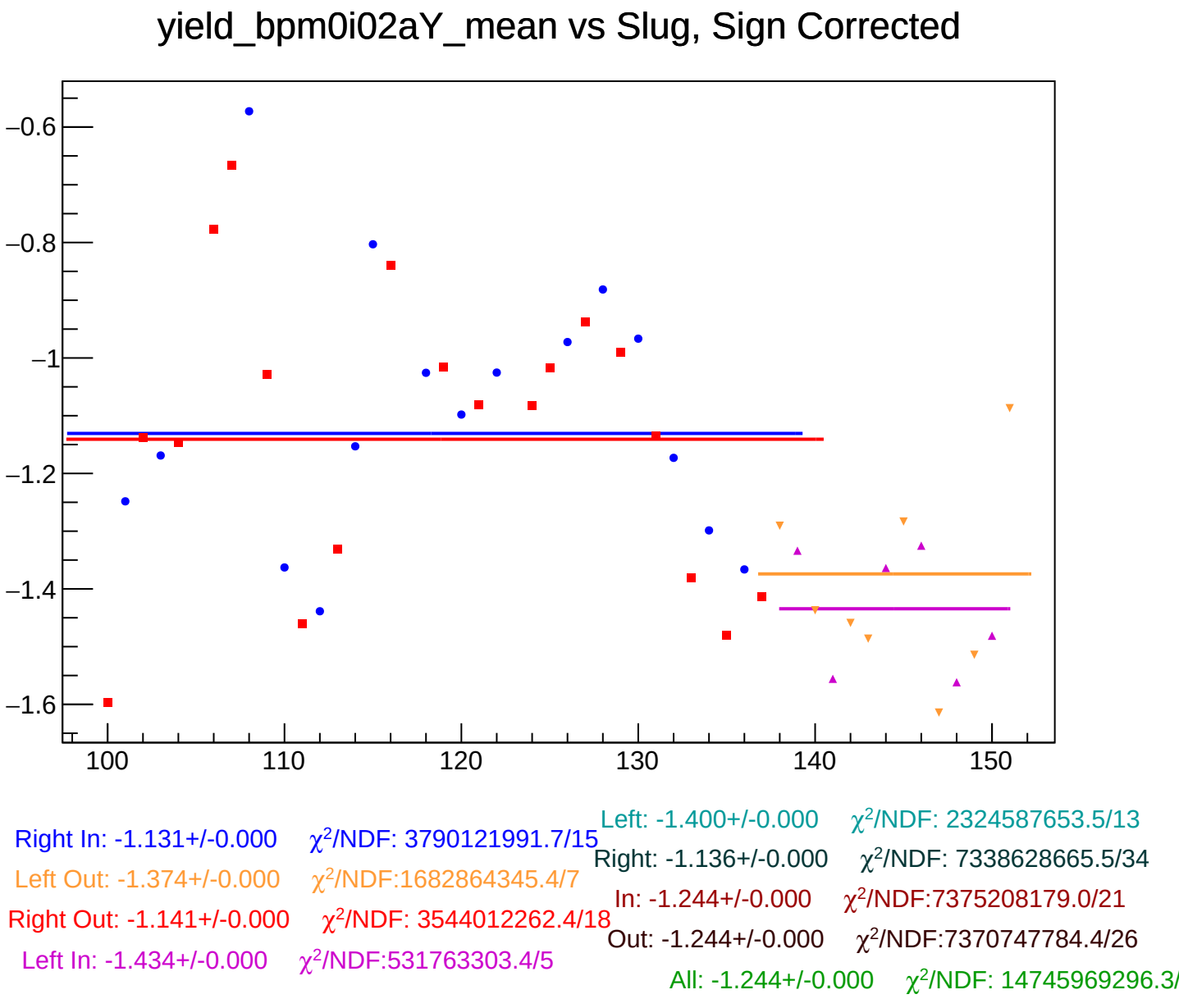
Left: 0.012+/-0.000 χ^2/NDF: 141669.7/13

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

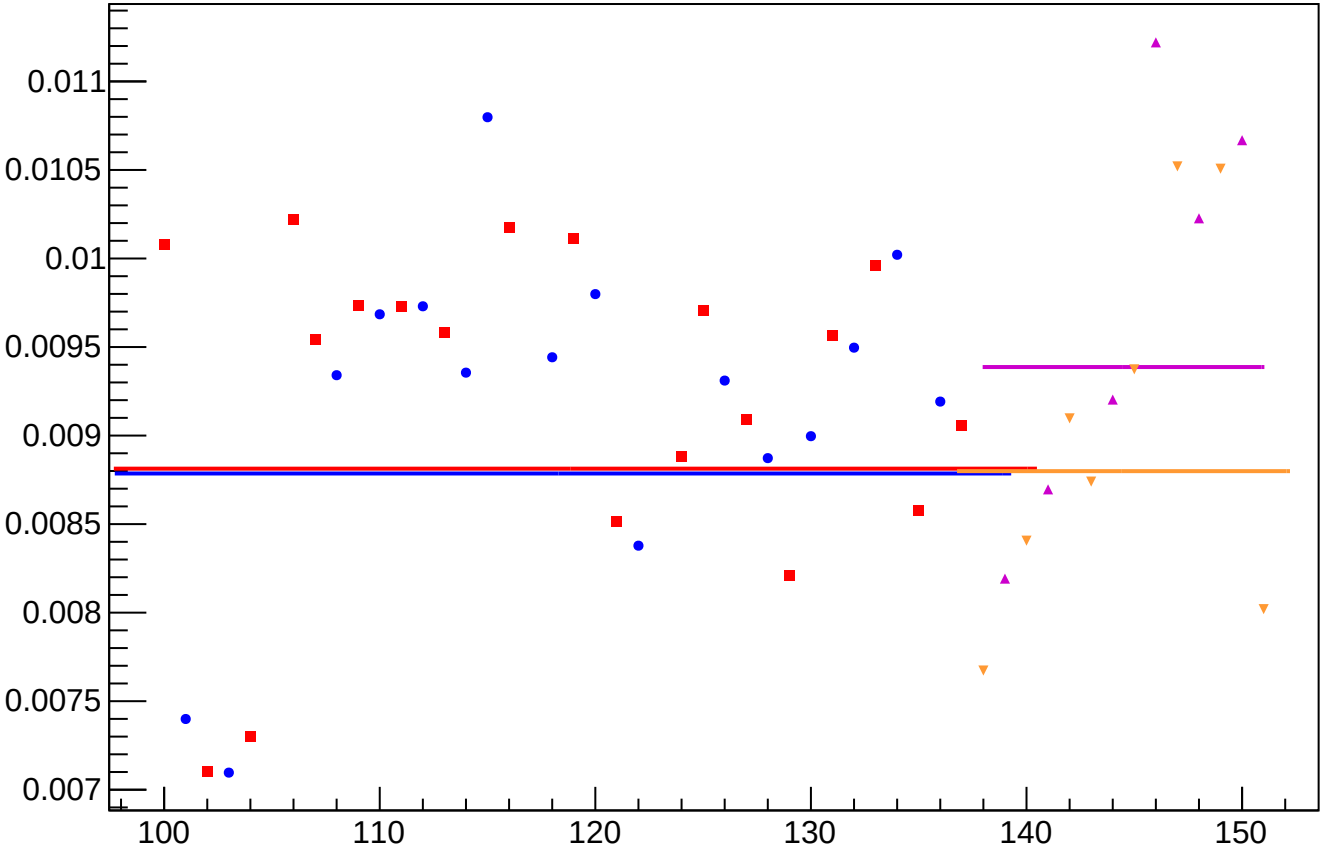
In: 0.012+/-0.000 χ^2/NDF:164718.5/21

Out: 0.012+/-0.000 χ^2/NDF:157550.0/26

All: 0.012+/-0.000 χ^2/NDF: 332181.9/48


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.374+/-0.000 χ²/NDF:1682864345.4/7
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.434+/-0.000 χ²/NDF:531763303.4/5
Left: -1.400+/-0.000 χ²/NDF: 2324587653.5/13
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.244+/-0.000 χ²/NDF:7375208179.0/21
Out: -1.244+/-0.000 χ²/NDF:7370747784.4/26
All: -1.244+/-0.000 χ²/NDF: 14745969296.3/

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:127968.8/7

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:115563.8/5

Left: 0.009+/-0.000 χ^2/NDF: 264406.0/13

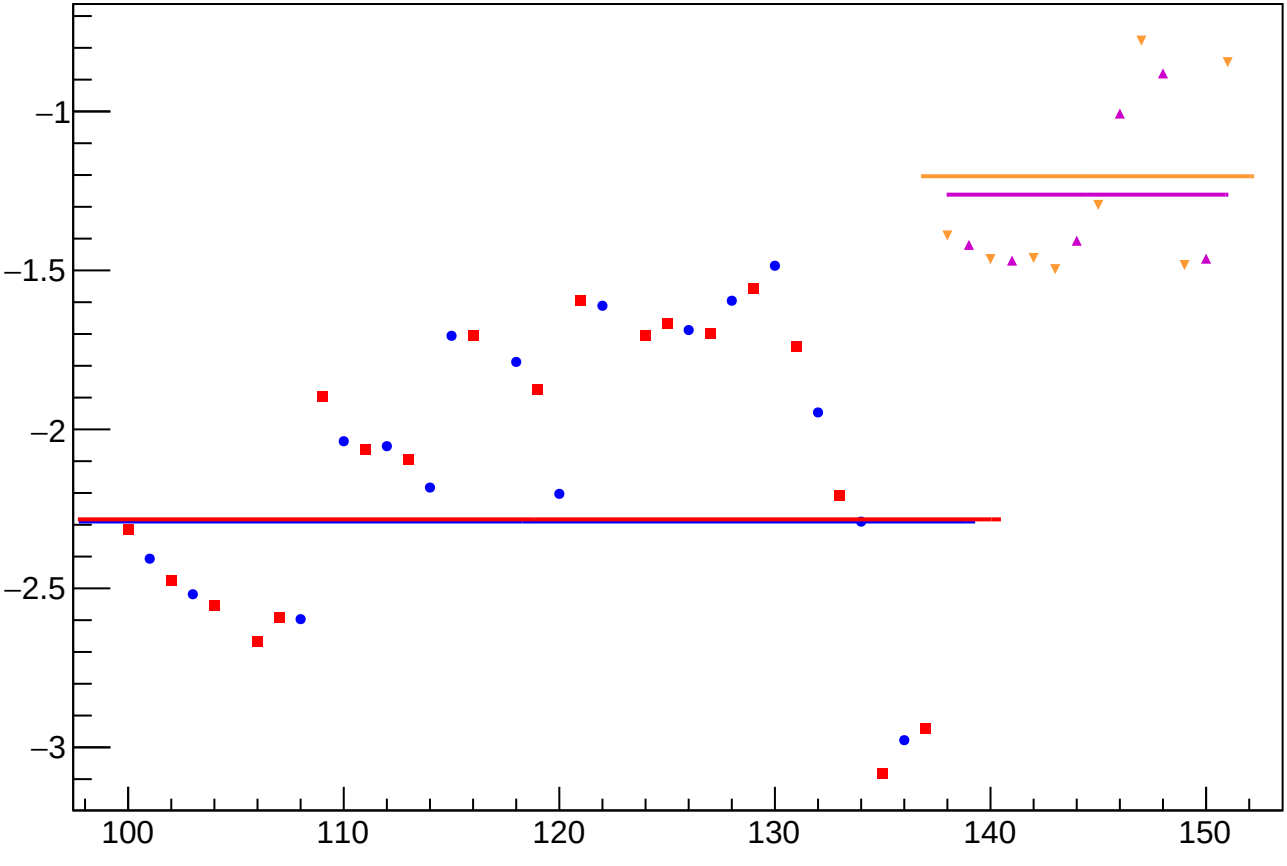
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:312971.0/21

Out: 0.009+/-0.000 χ^2/NDF:332427.6/26

All: 0.009+/-0.000 χ^2/NDF: 651603.4/48

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.204+/-0.000 χ^2/NDF:7801520275.0/7

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -1.262+/-0.000 χ^2/NDF:3847798512.0/5

Left: -1.229+/-0.000 χ^2/NDF: 11771625111.9/13

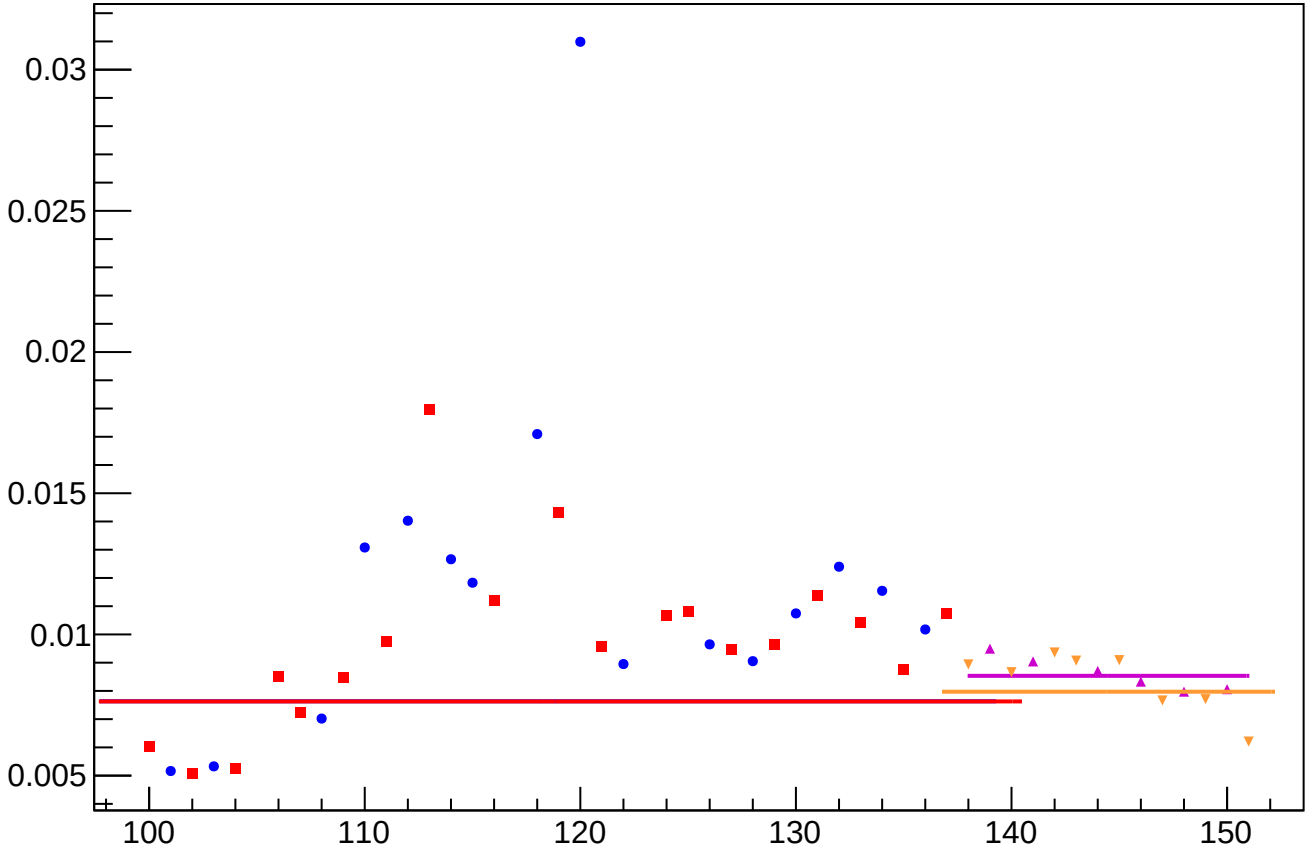
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.851+/-0.000 χ^2/NDF:58381749716.6/21

Out: -1.777+/-0.000 χ^2/NDF:76865043617.5/26

All: -1.811+/-0.000 χ^2/NDF: 135704287162.9

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:205693.1/7

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.009+/-0.000 χ^2/NDF:35181.1/5

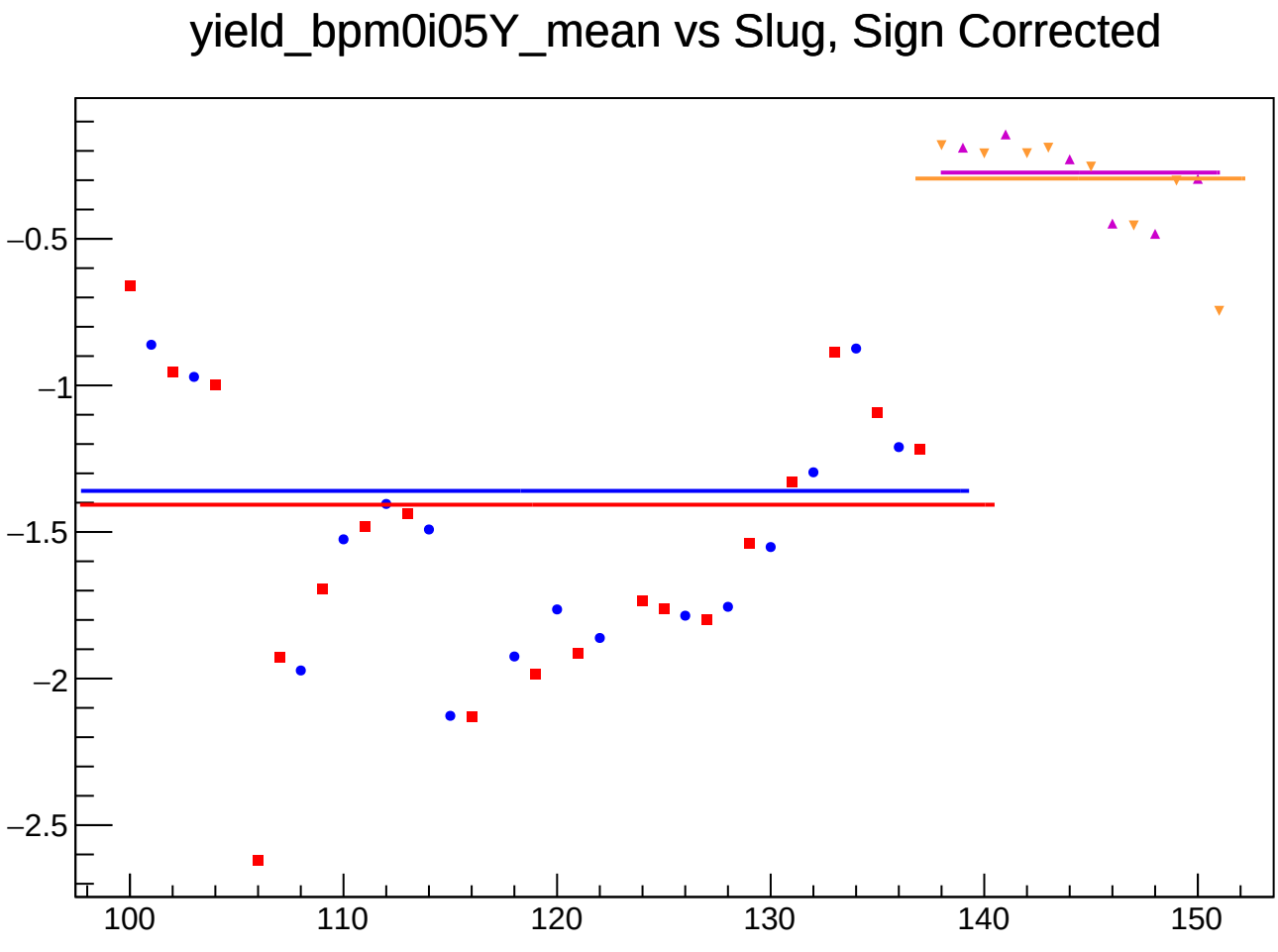
Left: 0.008+/-0.000 χ^2/NDF: 264042.1/13

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1806438.8/21

Out: 0.008+/-0.000 χ^2/NDF:1534031.8/26

All: 0.008+/-0.000 χ^2/NDF: 3349036.9/48



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.294+/-0.000 χ^2/NDF:7212936922.3/7

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.274+/-0.000 χ^2/NDF:2921164582.7/5

Left: -0.285+/-0.000 χ^2/NDF: 10187155245.3/13

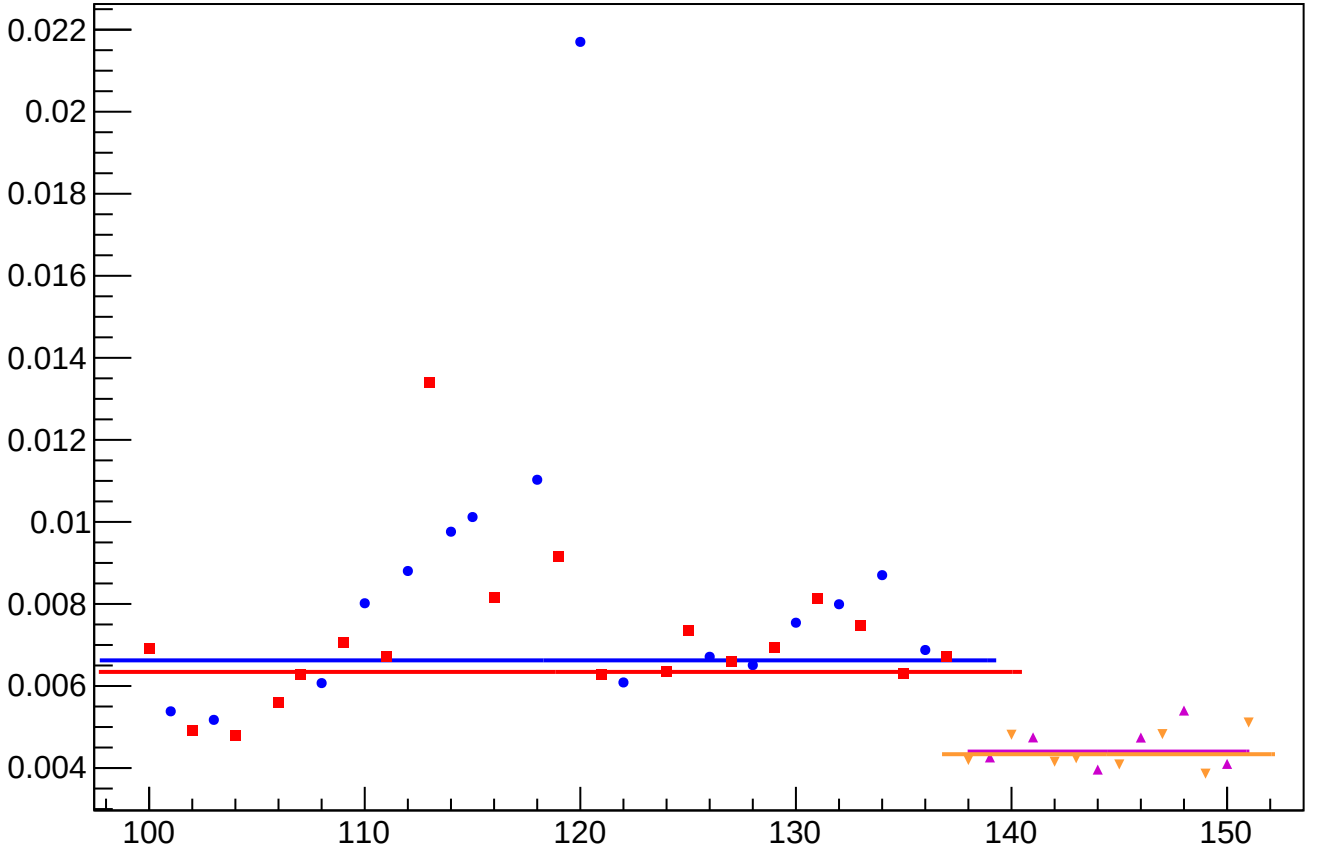
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.666+/-0.000 χ^2/NDF:123725055931.1/21

Out: -0.683+/-0.000 χ^2/NDF:159488318826.2/26

All: -0.676+/-0.000 χ^2/NDF: 283270217462.0

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:88390.9/7

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:88300.5/5

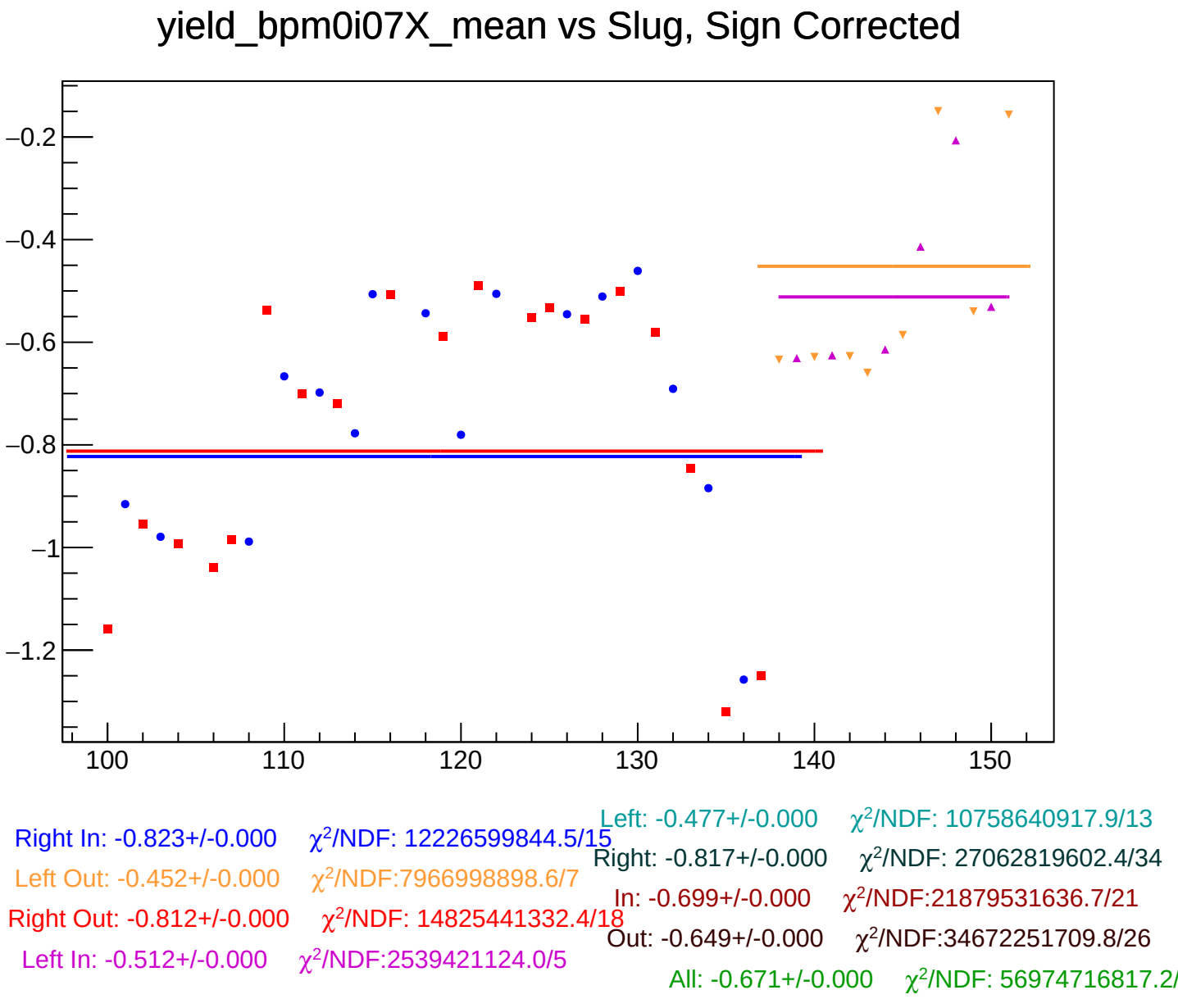
Left: 0.004+/-0.000 χ^2/NDF: 177746.8/13

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

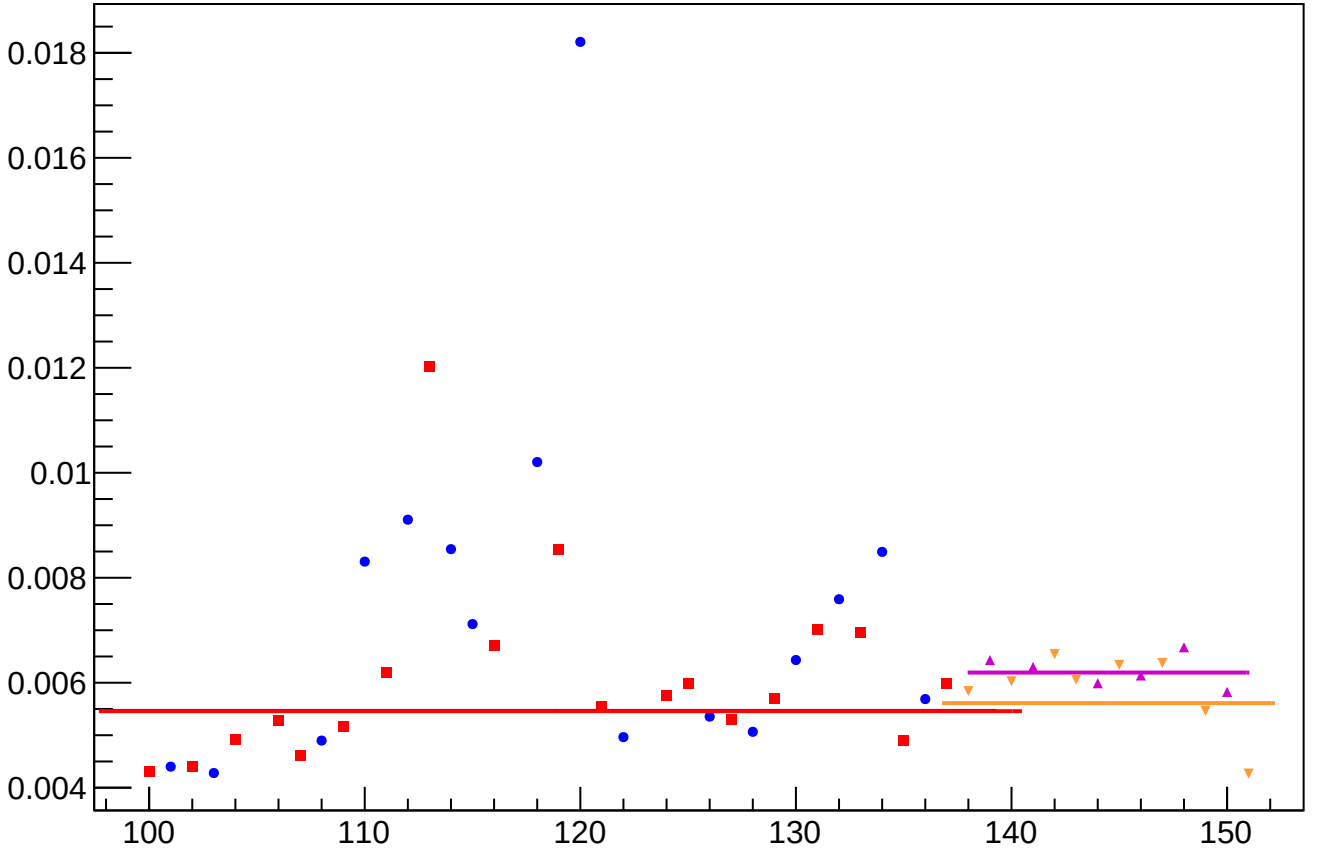
In: 0.005+/-0.000 χ^2/NDF:1614859.1/21

Out: 0.005+/-0.000 χ^2/NDF:1413742.1/26

All: 0.005+/-0.000 χ^2/NDF: 3039595.0/48


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.452+/-0.000 χ²/NDF:7966998898.6/7
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.512+/-0.000 χ²/NDF:2539421124.0/5
Left: -0.477+/-0.000 χ²/NDF: 10758640917.9/13
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.699+/-0.000 χ²/NDF:21879531636.7/21
Out: -0.649+/-0.000 χ²/NDF:34672251709.8/26
All: -0.671+/-0.000 χ²/NDF: 56974716817.2/

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:215842.0/7

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.006+/-0.000 χ^2/NDF:18913.3/5

Left: 0.006+/-0.000 χ^2/NDF: 282597.2/13

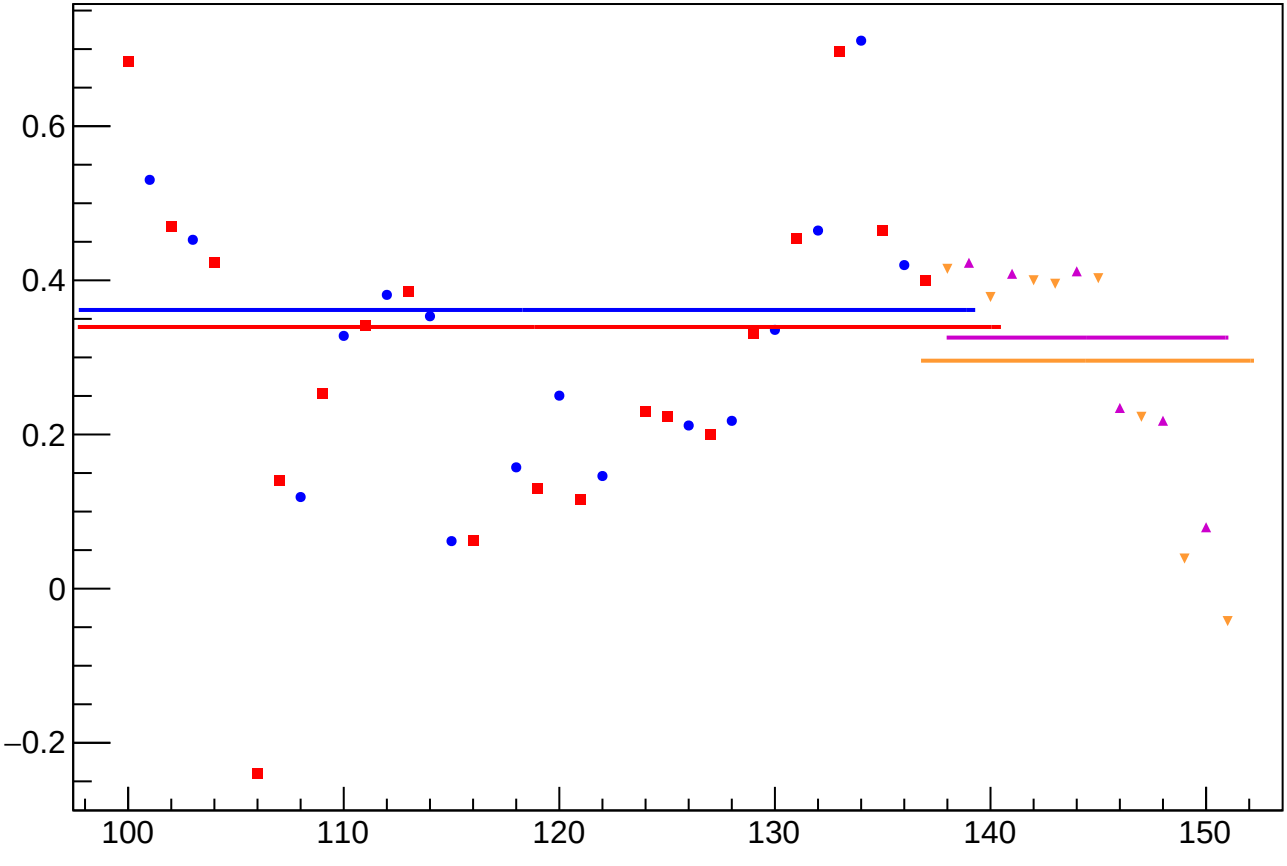
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.006+/-0.000 χ^2/NDF:1058868.8/21

Out: 0.006+/-0.000 χ^2/NDF:727954.9/26

All: 0.006+/-0.000 χ^2/NDF: 1803947.9/48

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.296+/-0.000 χ^2/NDF:7674415138.2/7

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.326+/-0.000 χ^2/NDF:2673351380.7/5

Left: 0.309+/-0.000 χ^2/NDF: 10454399720.0/13

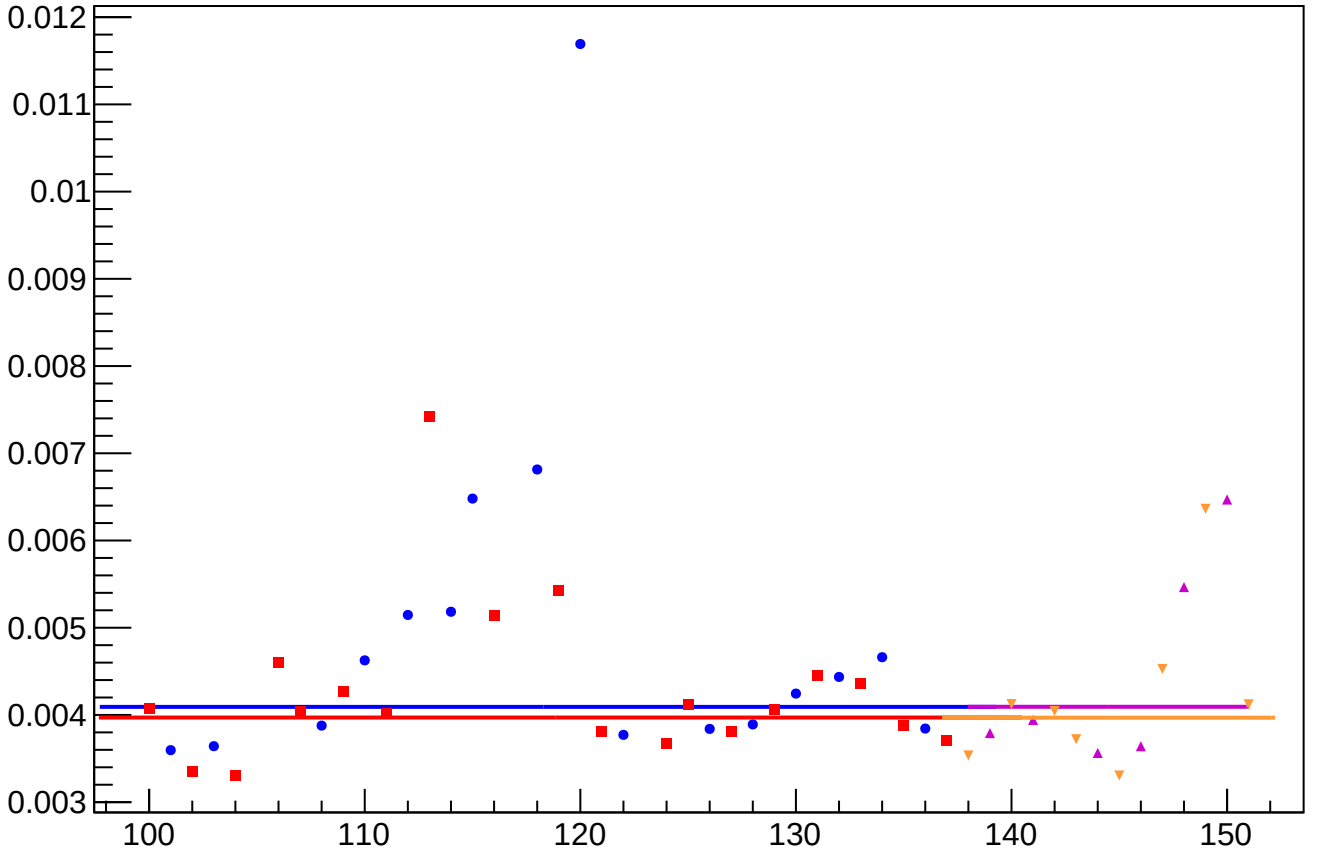
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.348+/-0.000 χ^2/NDF:11622522202.7/21

Out: 0.322+/-0.000 χ^2/NDF:20055076301.6/26

All: 0.334+/-0.000 χ^2/NDF: 31892339092.1/4

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:273626.9/7

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:325089.8/5

Left: 0.004+/-0.000 χ^2/NDF: 602435.6/13

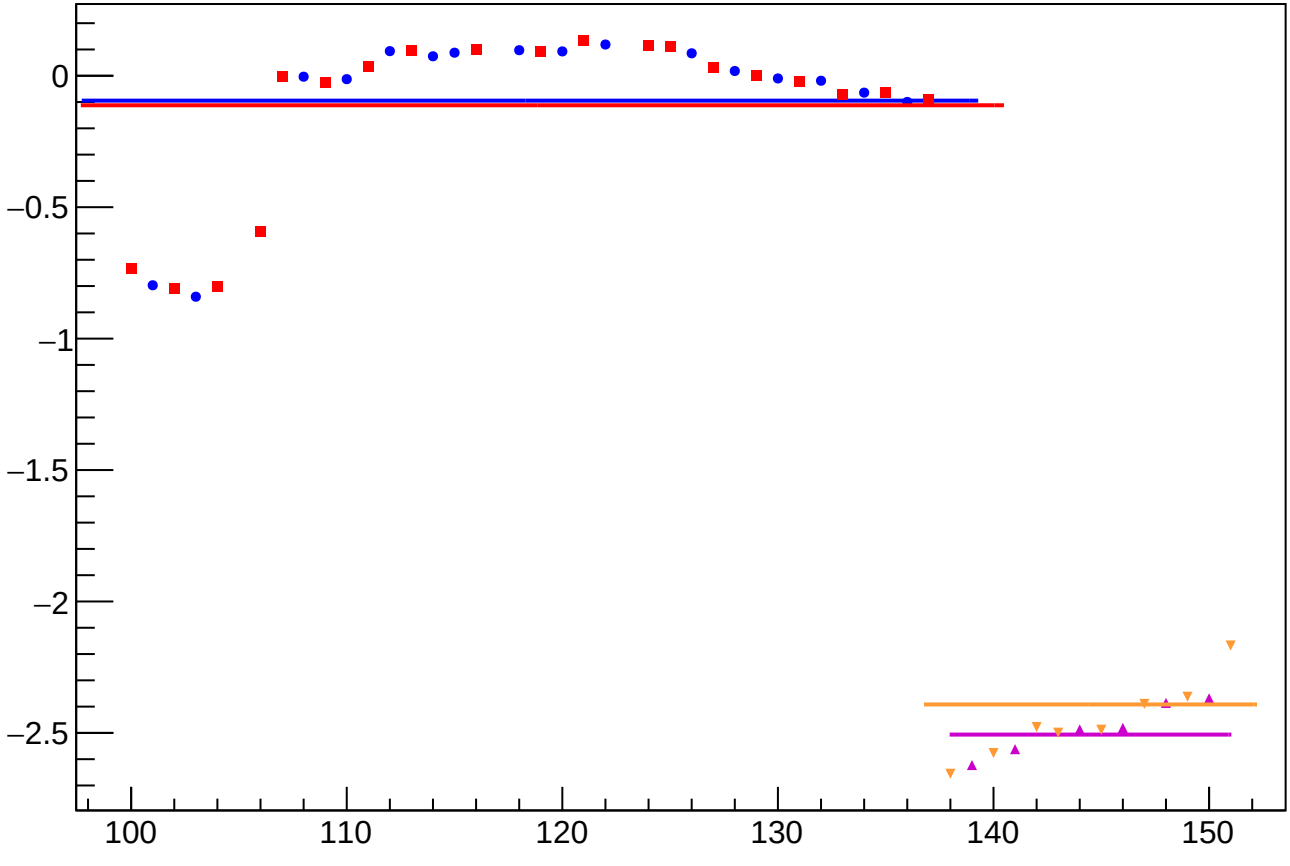
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:816838.5/21

Out: 0.004+/-0.000 χ^2/NDF:587329.1/26

All: 0.004+/-0.000 χ^2/NDF: 1413638.8/48

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.392+/-0.000 χ^2/NDF:1200565053.1/7

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.506+/-0.000 χ^2/NDF:158902530.6/5

Left: -2.435+/-0.000 χ^2/NDF: 1540391811.5/13

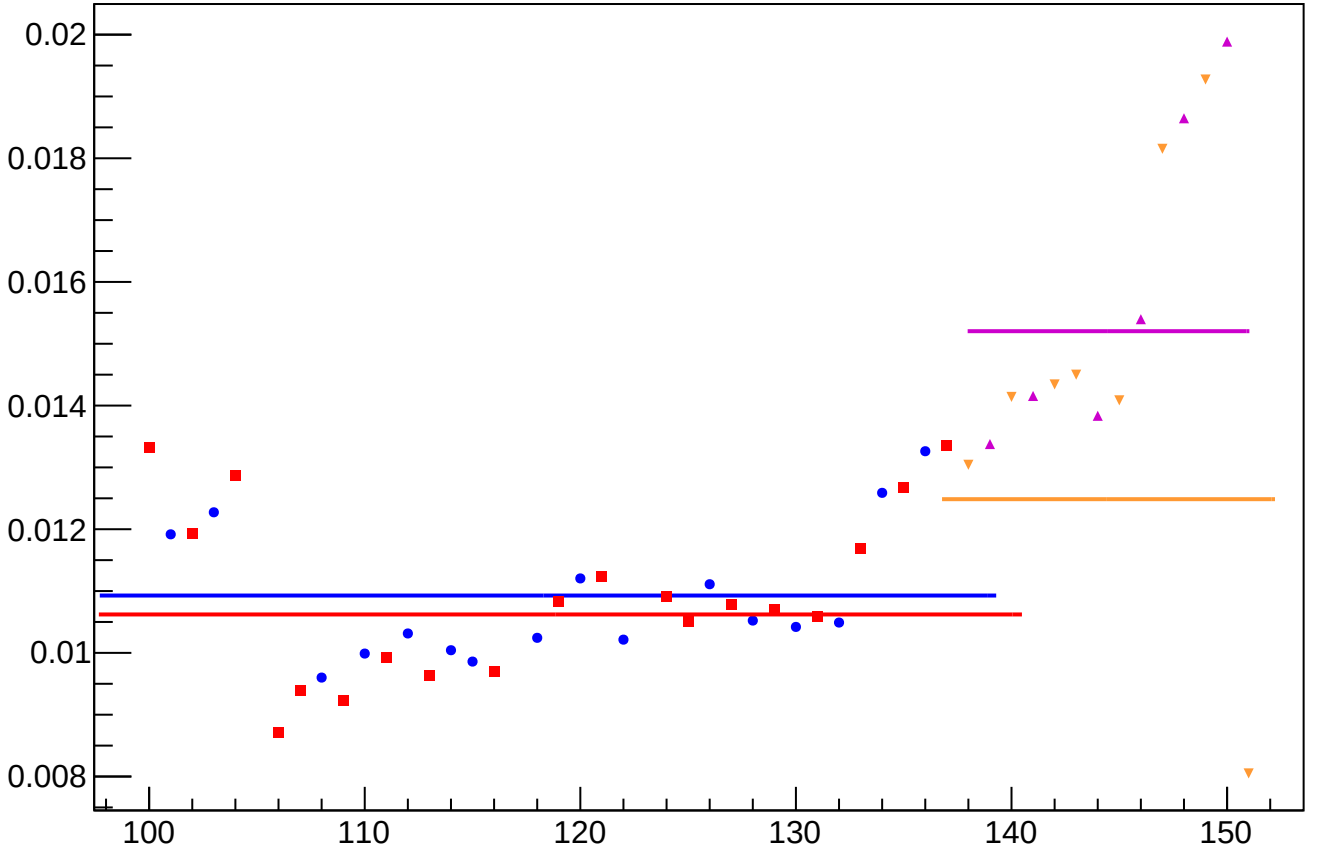
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.748+/-0.000 χ^2/NDF:99704668469.3/21

Out: -0.926+/-0.000 χ^2/NDF:128567950668.2/26

All: -0.847+/-0.000 χ^2/NDF: 229698390430.3

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:963303.7/7

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.015+/-0.000 χ^2/NDF:214835.3/5

Left: 0.014+/-0.000 χ^2/NDF: 1381404.8/13

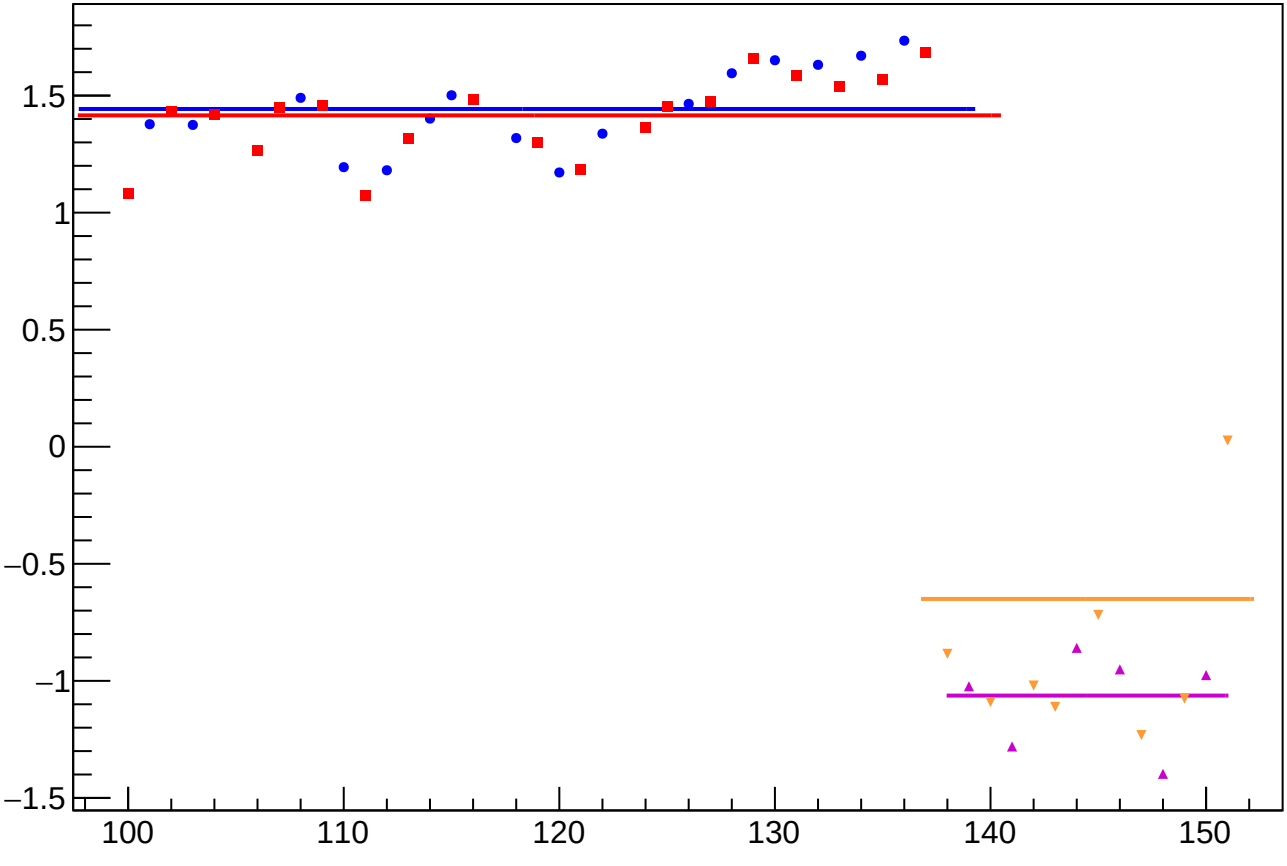
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.012+/-0.000 χ^2/NDF:942575.0/21

Out: 0.011+/-0.000 χ^2/NDF:1315986.4/26

All: 0.012+/-0.000 χ^2/NDF: 2316550.3/48

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.650+/-0.000 χ^2/NDF:17667374659.9/7

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.063+/-0.000 χ^2/NDF:1428201878.7/5

Left: -0.809+/-0.000 χ^2/NDF: 23590733098.4/13

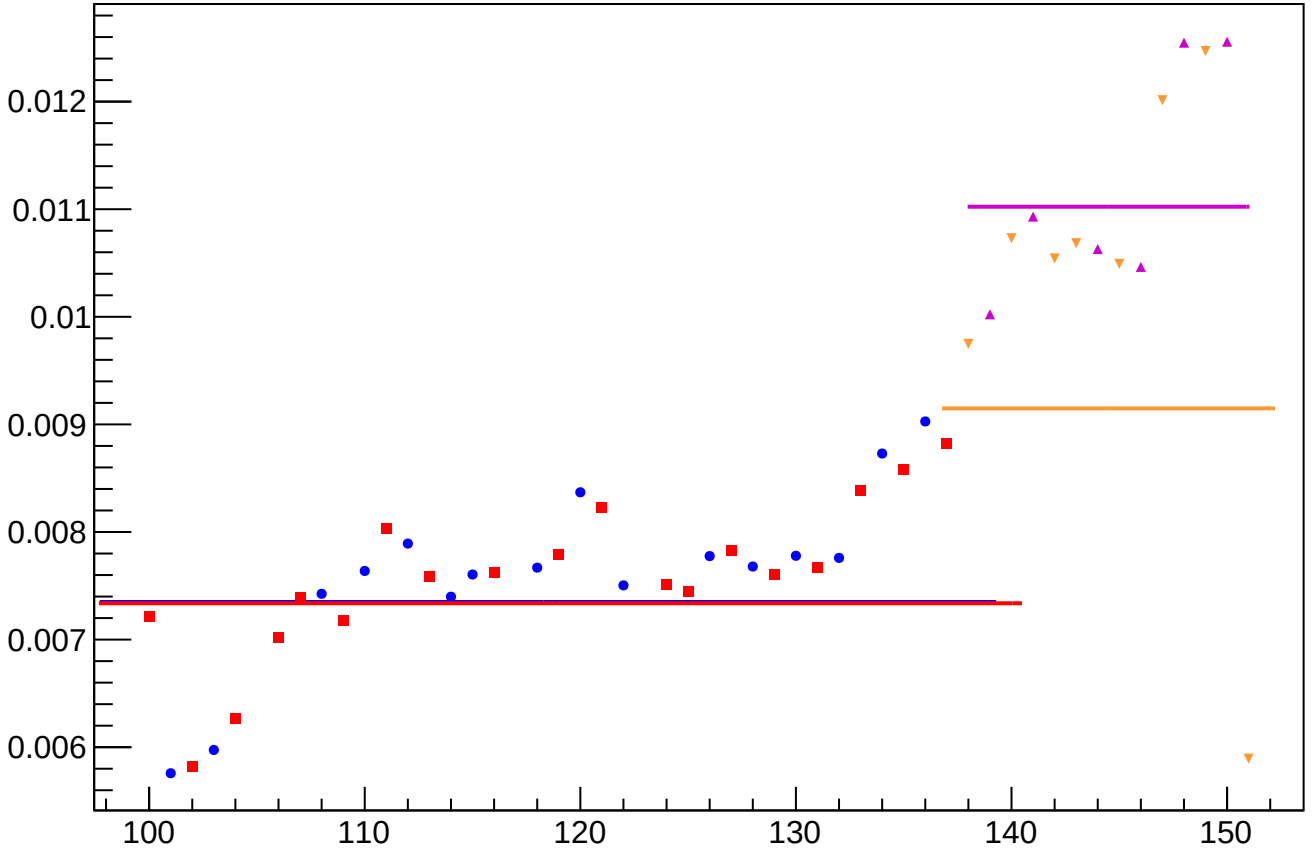
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.825+/-0.000 χ^2/NDF:207805958093.1/21

Out: 0.726+/-0.000 χ^2/NDF:215397071489.5/26

All: 0.771+/-0.000 χ^2/NDF: 424112988530.2

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:830572.3/7

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.011+/-0.000 χ^2/NDF:75797.7/5

Left: 0.010+/-0.000 χ^2/NDF: 1091668.4/13

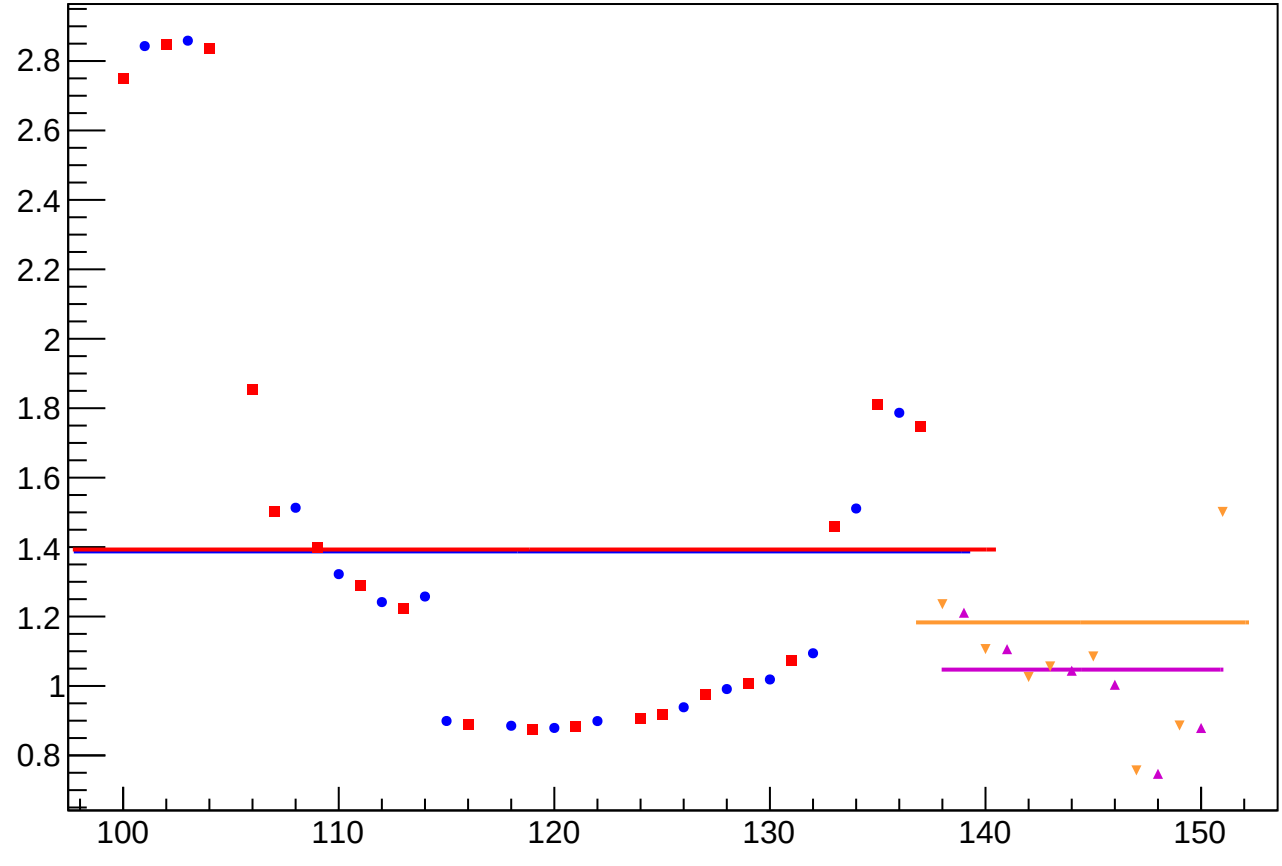
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1218004.2/21

Out: 0.008+/-0.000 χ^2/NDF:1325793.7/26

All: 0.008+/-0.000 χ^2/NDF: 2562339.8/48

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.183+/-0.000 χ^2/NDF:4262287217.0/7

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.047+/-0.000 χ^2/NDF:1124506947.8/5

Left: 1.129+/-0.000 χ^2/NDF: 6014934969.9/13

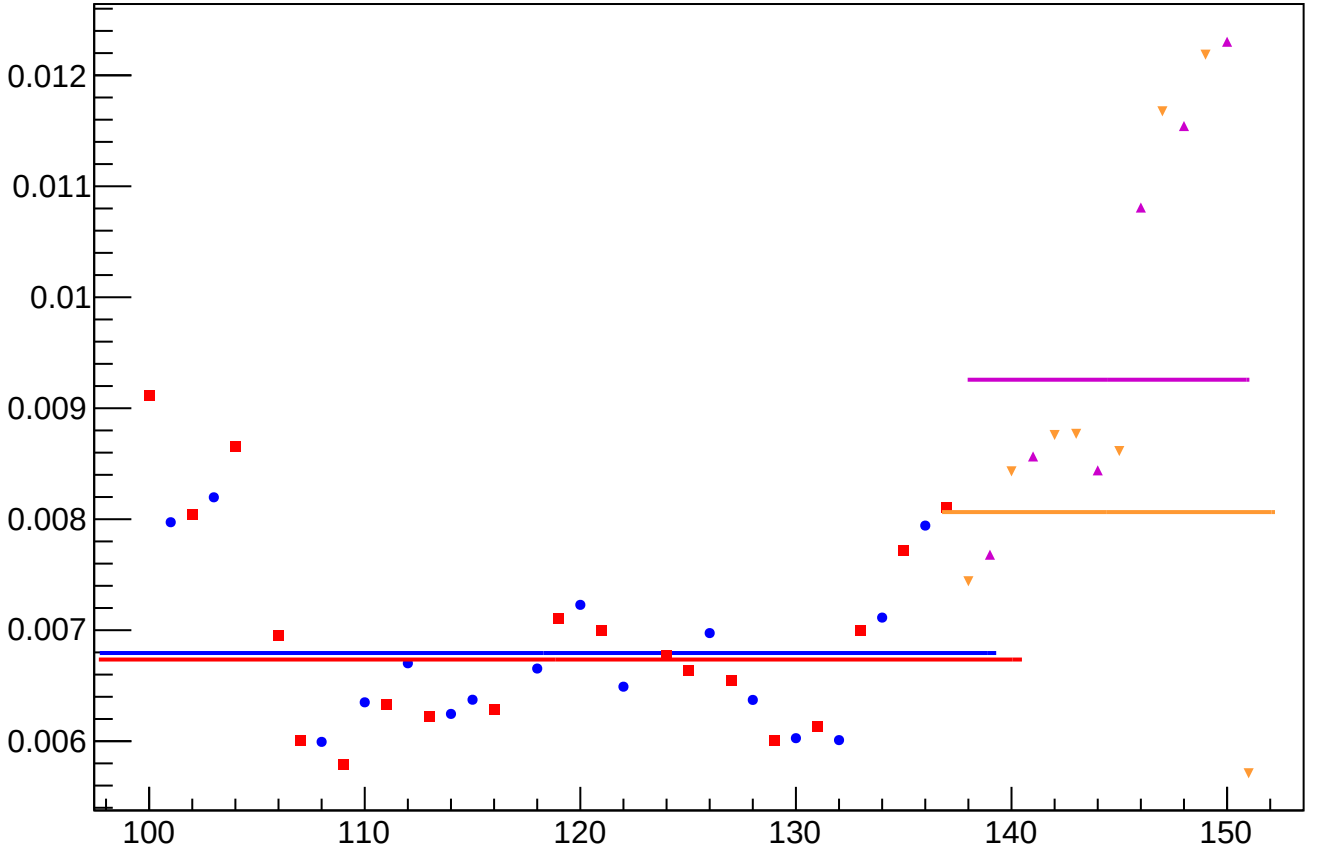
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.296+/-0.000 χ^2/NDF:64531815498.1/21

Out: 1.321+/-0.000 χ^2/NDF:62087392479.6/26

All: 1.309+/-0.000 χ^2/NDF: 126688661194.8

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:605841.0/7

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.009+/-0.000 χ^2/NDF:294590.2/5

Left: 0.009+/-0.000 χ^2/NDF: 997073.7/13

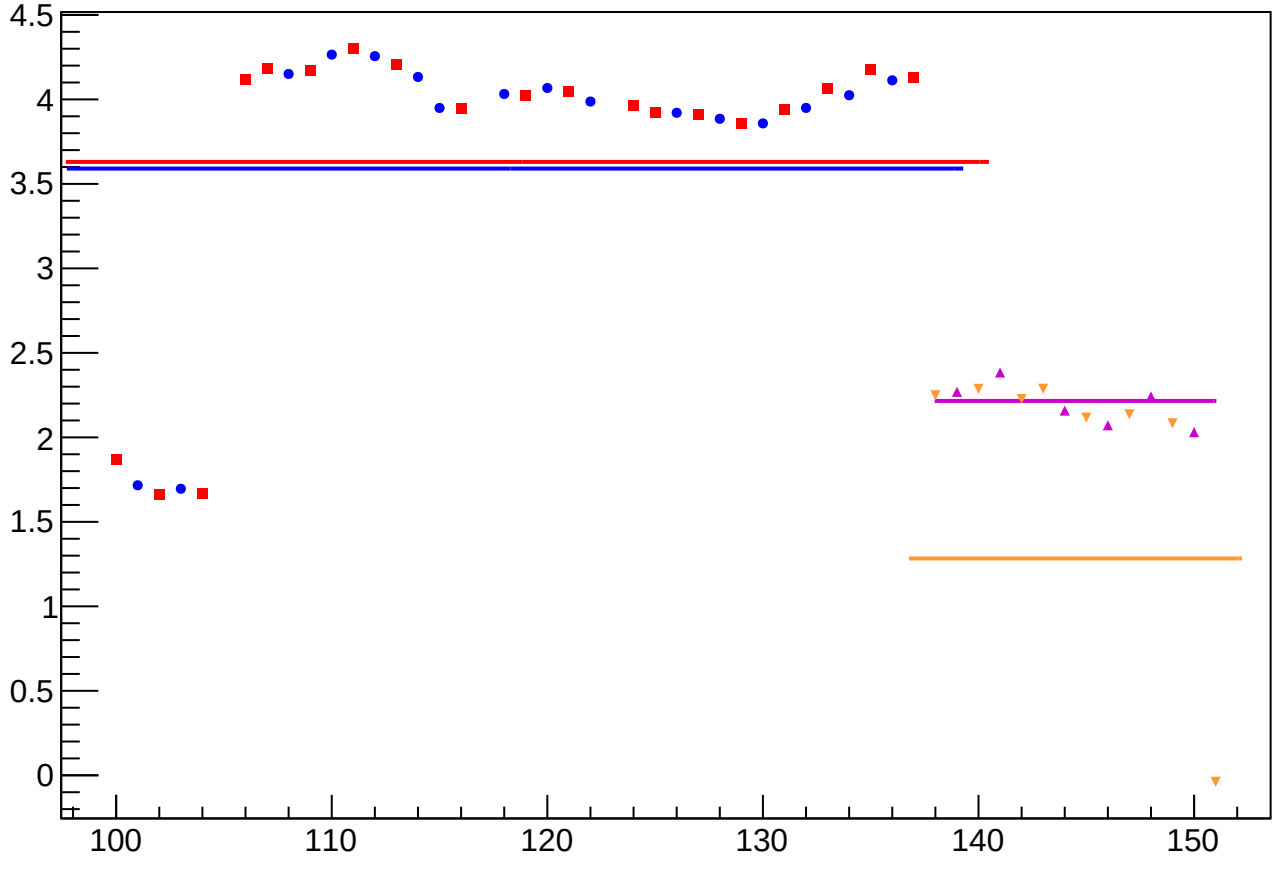
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:960636.7/21

Out: 0.007+/-0.000 χ^2/NDF:1001316.6/26

All: 0.007+/-0.000 χ^2/NDF: 1977734.9/48

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 1.283+/-0.000 χ^2/NDF:168426603532.3/7

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 2.216+/-0.000 χ^2/NDF:988998103.0/5

Left: 1.606+/-0.000 χ^2/NDF: 210364905440.4/13

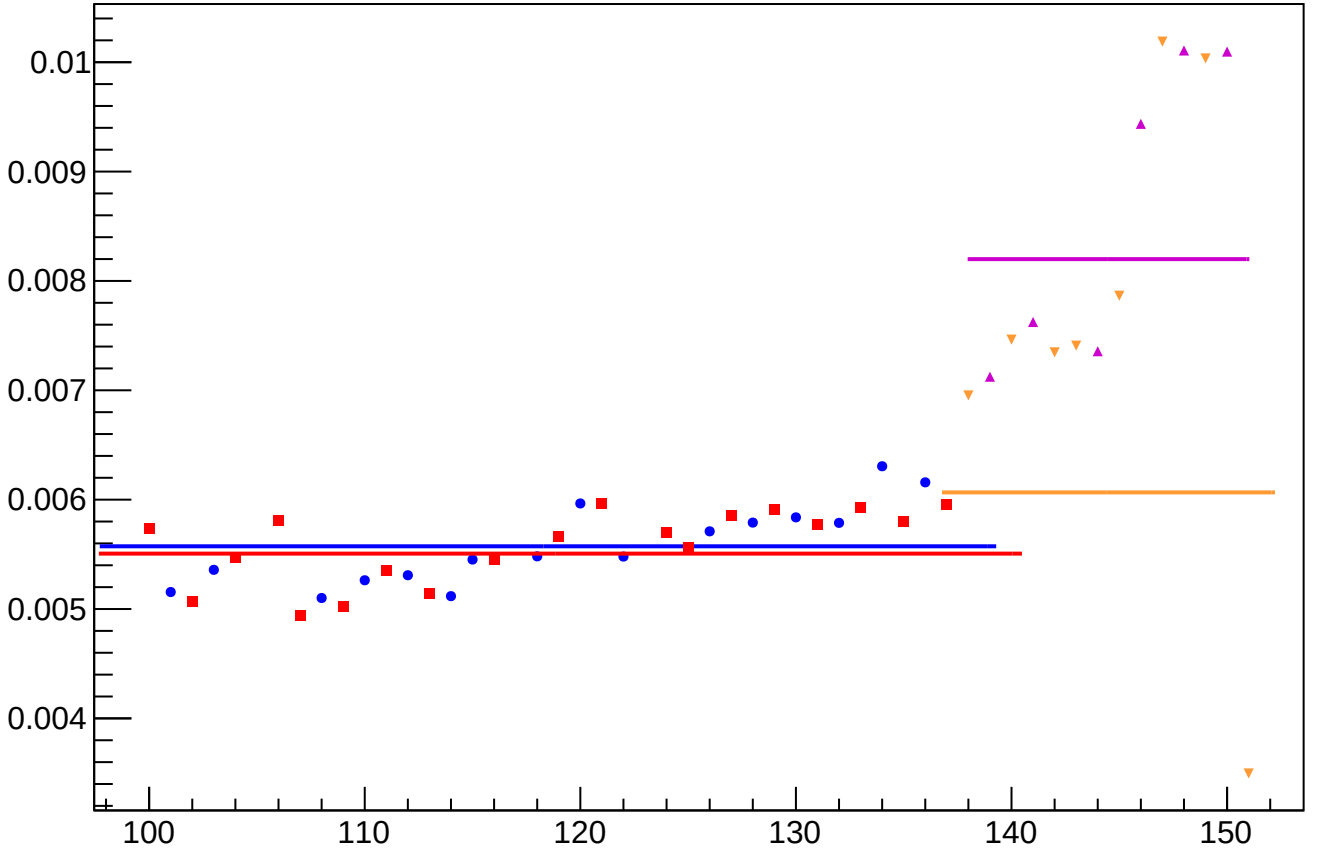
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 3.264+/-0.000 χ^2/NDF:306942385193.8/21

Out: 2.782+/-0.000 χ^2/NDF:860286781417.9/26

All: 2.997+/-0.000 χ^2/NDF: 1206162375031.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:1458243.4/7

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.008+/-0.000 χ^2/NDF:209878.9/5

Left: 0.007+/-0.000 χ^2/NDF: 2096840.7/13

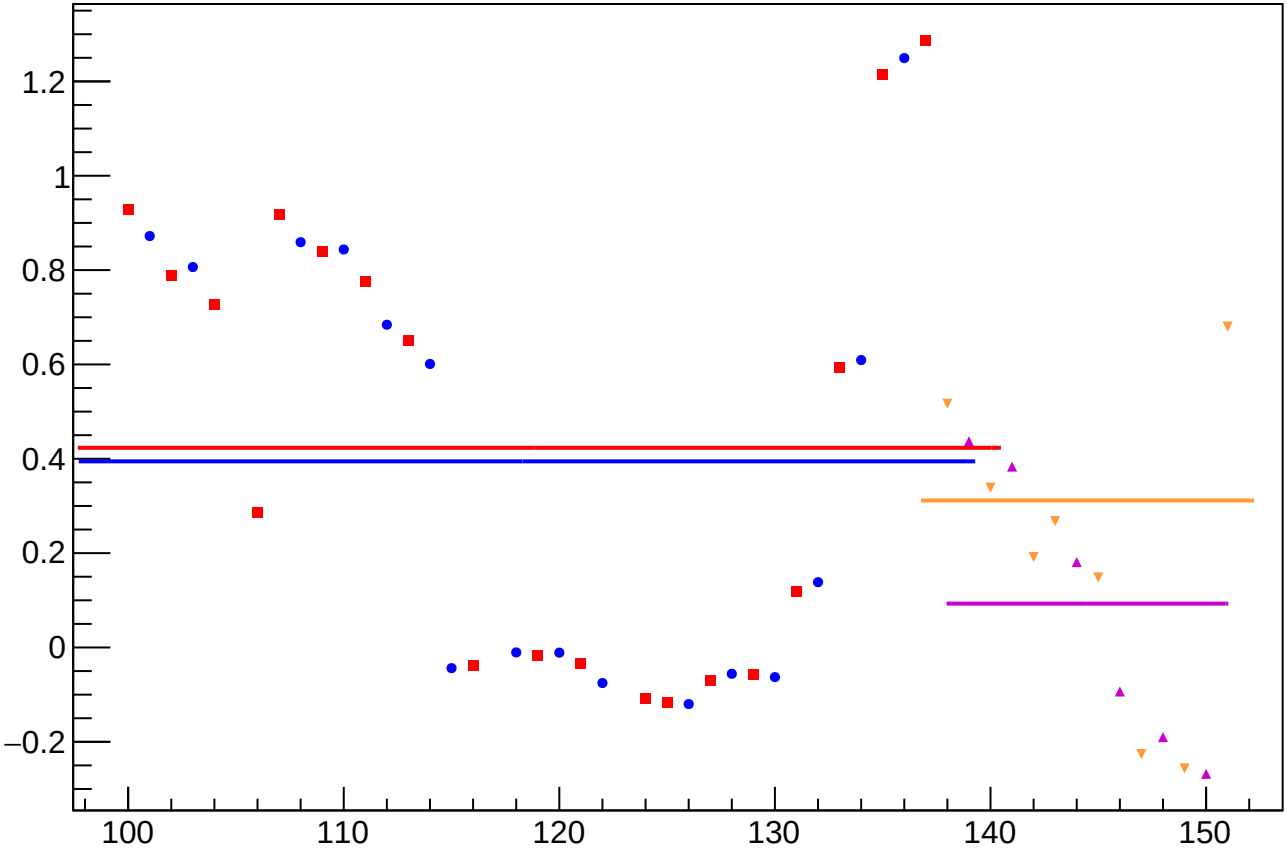
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:1025820.5/21

Out: 0.006+/-0.000 χ^2/NDF:1570177.7/26

All: 0.006+/-0.000 χ^2/NDF: 2676378.7/48

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.312+/-0.000 χ^2/NDF:3077159028.0/7

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.093+/-0.000 χ^2/NDF:1360008429.7/5

Left: 0.224+/-0.000 χ^2/NDF: 4980058582.2/13

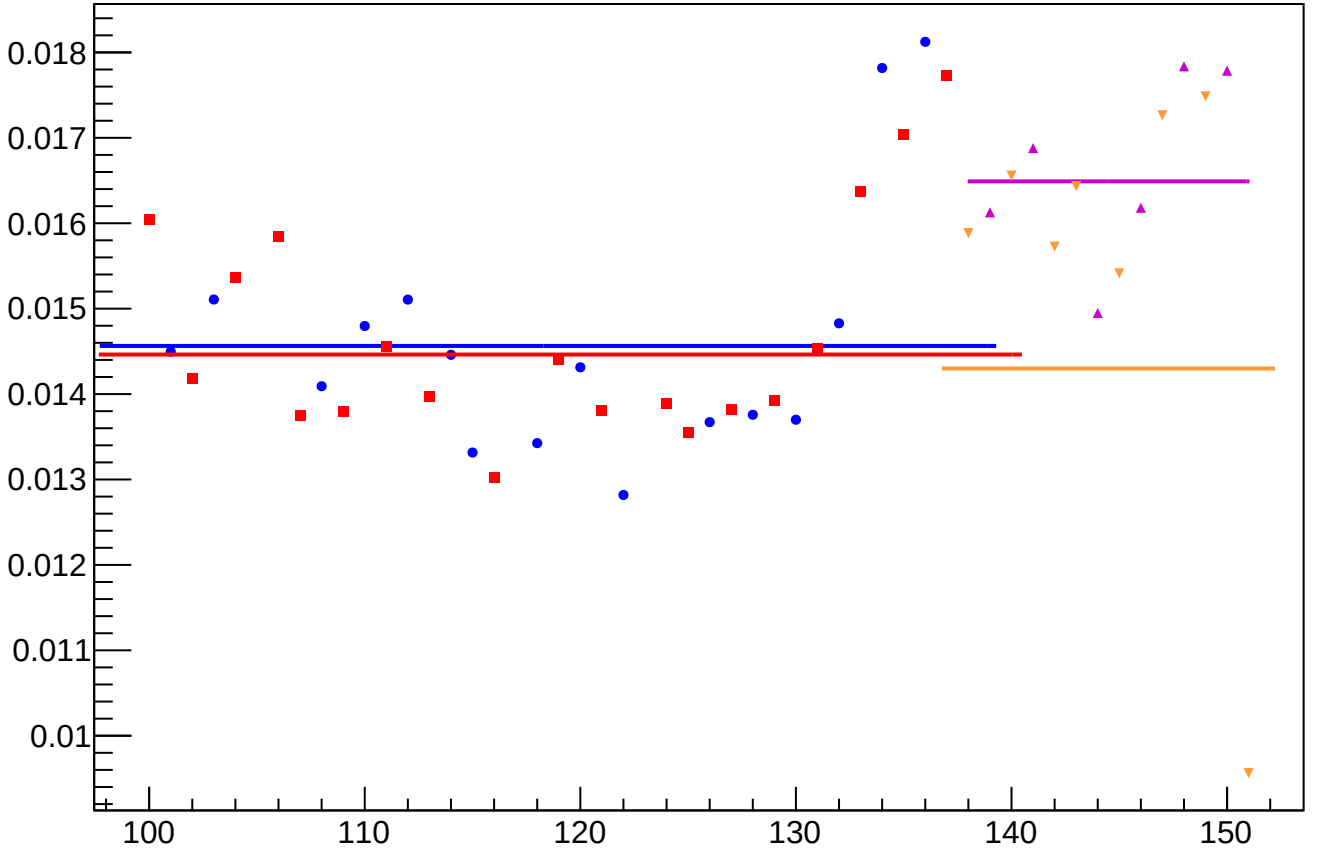
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.285+/-0.000 χ^2/NDF:9874706274.5/21

Out: 0.373+/-0.000 χ^2/NDF:10175535129.4/26

All: 0.333+/-0.000 χ^2/NDF: 20272141396.0/4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.014+/-0.000 χ^2/NDF:578941.8/7

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.016+/-0.000 χ^2/NDF:40097.9/5

Left: 0.015+/-0.000 χ^2/NDF: 727952.9/13

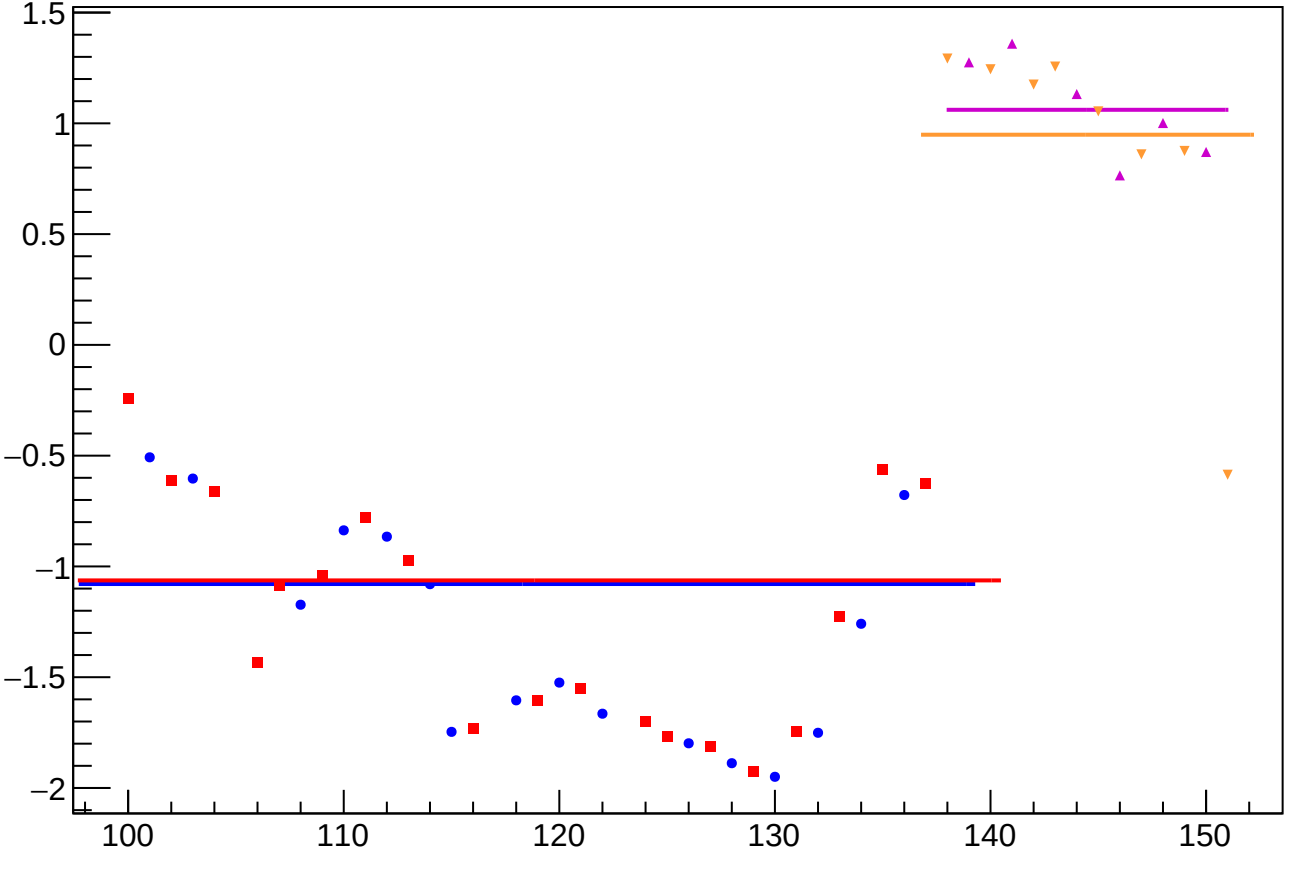
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.015+/-0.000 χ^2/NDF:263193.6/21

Out: 0.014+/-0.000 χ^2/NDF:657164.3/26

All: 0.015+/-0.000 χ^2/NDF: 963843.3/48

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.949+/-0.000 χ^2/NDF:95981333132.3/7

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.061+/-0.000 χ^2/NDF:12296206606.5/5

Left: 1.000+/-0.000 χ^2/NDF: 110458578995.5/13

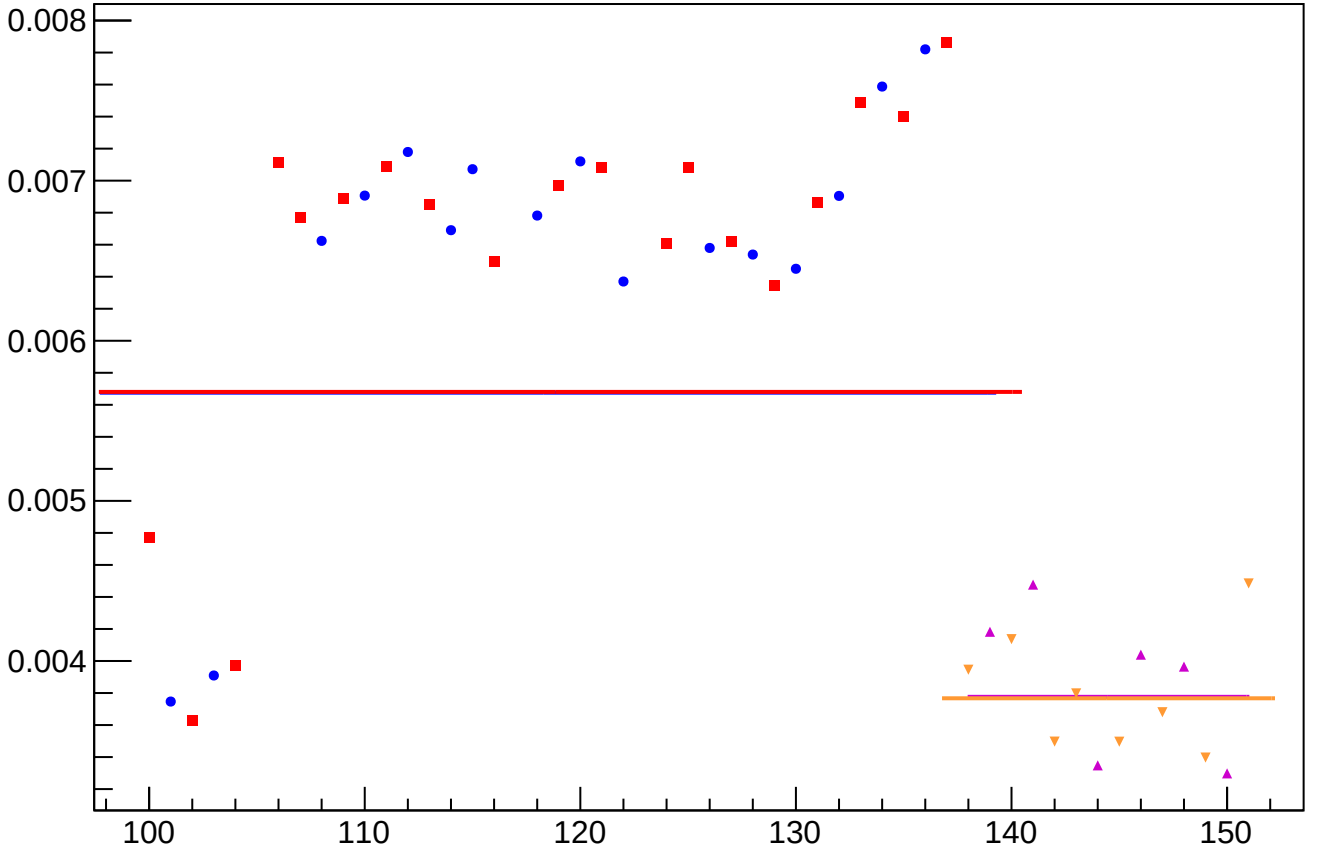
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.237+/-0.000 χ^2/NDF:628856152840.0/21

Out: 0.256+/-0.000 χ^2/NDF:676127261153.2/26

All: 0.247+/-0.000 χ^2/NDF: 1305082179664.

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:80913.3/7

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:124354.1/5

Left: 0.004+/-0.000 χ^2/NDF: 205295.8/13

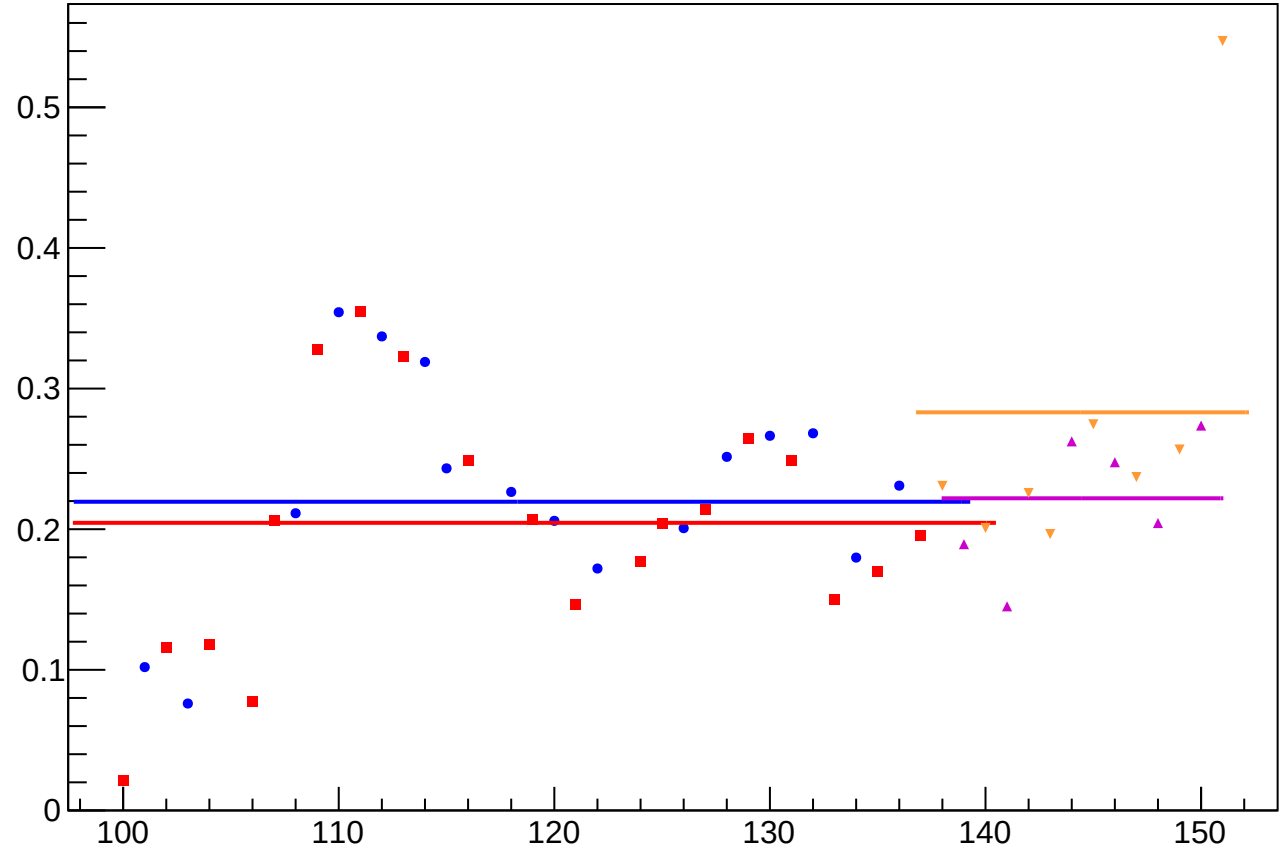
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.005+/-0.000 χ^2/NDF:1946503.0/21

Out: 0.004+/-0.000 χ^2/NDF:2020943.7/26

All: 0.004+/-0.000 χ^2/NDF: 3971085.2/48

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.283+/-0.000 χ^2/NDF:45318005122.5/7

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.222+/-0.000 χ^2/NDF:5406249404.9/5

Left: 0.256+/-0.000 χ^2/NDF: 55974389457.2/13

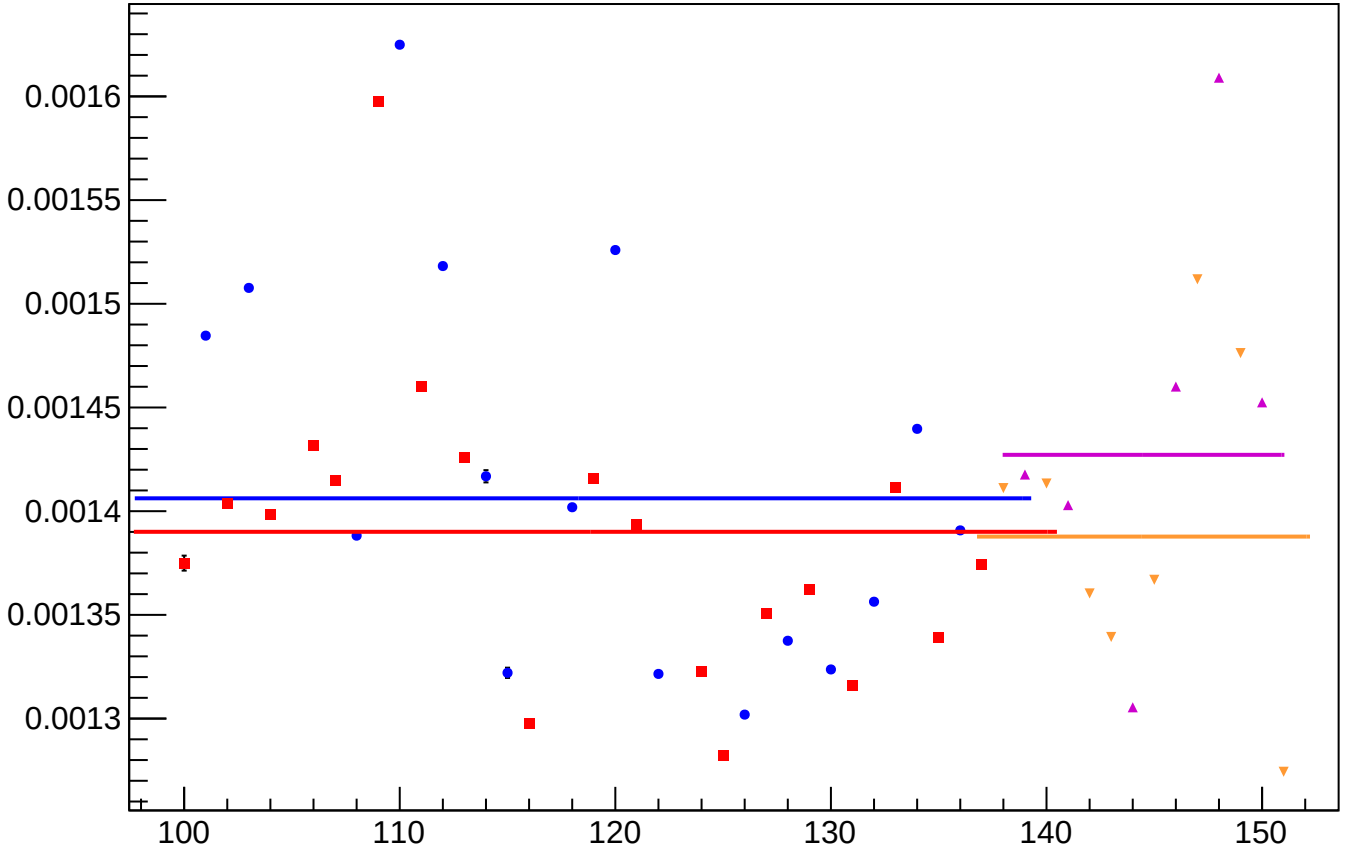
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.221+/-0.000 χ^2/NDF:22144817686.8/21

Out: 0.240+/-0.000 χ^2/NDF:78296275789.3/26

All: 0.231+/-0.000 χ^2/NDF: 101703395570.4

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:33785.7/7

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:37596.6/5

Left: 0.001+/-0.000 χ^2/NDF: 75747.5/13

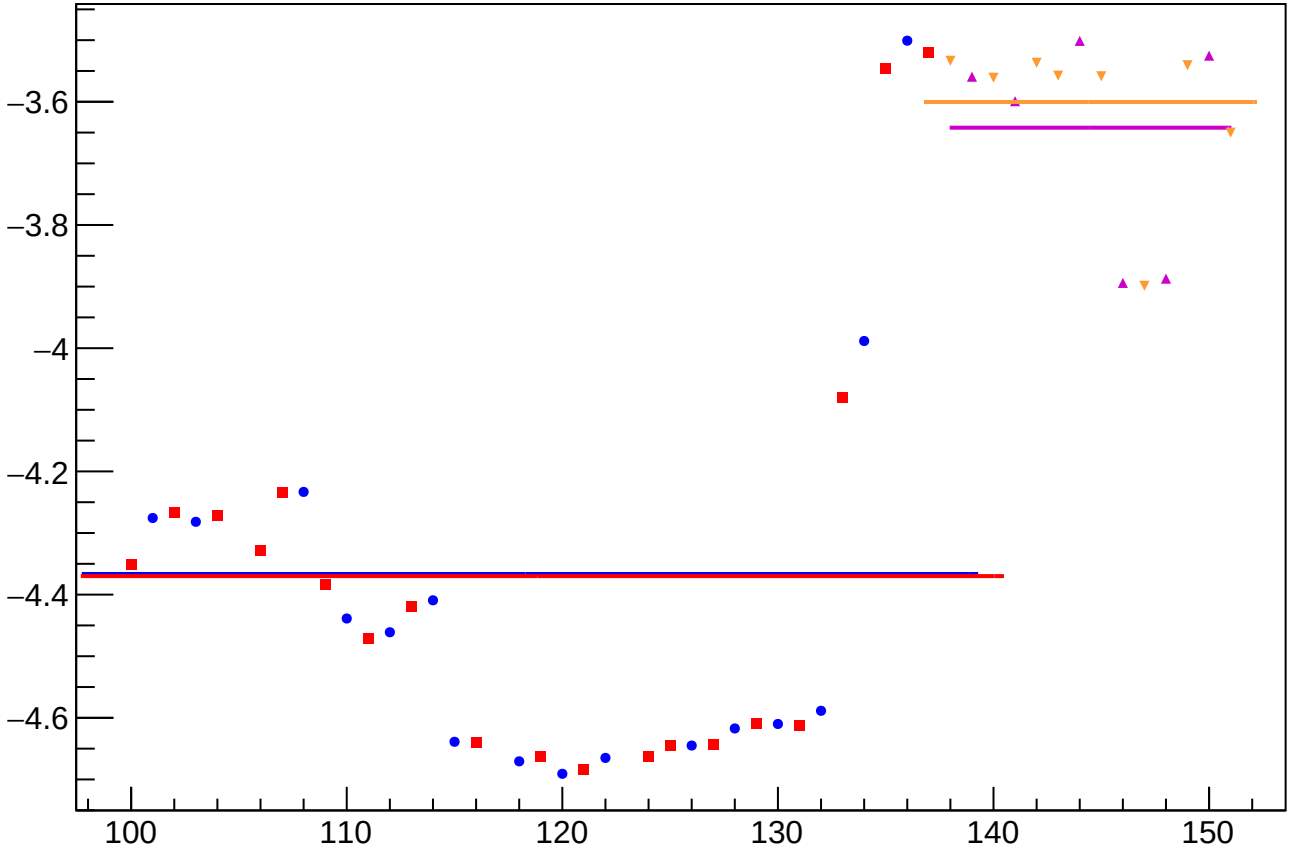
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:87087.1/21

Out: 0.001+/-0.000 χ^2/NDF:68590.9/26

All: 0.001+/-0.000 χ^2/NDF: 160035.8/48

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.600+/-0.000 χ^2/NDF:18589739286.6/7

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.642+/-0.000 χ^2/NDF:32344239790.4/5

Left: -3.618+/-0.000 χ^2/NDF: 52259400526.6/13

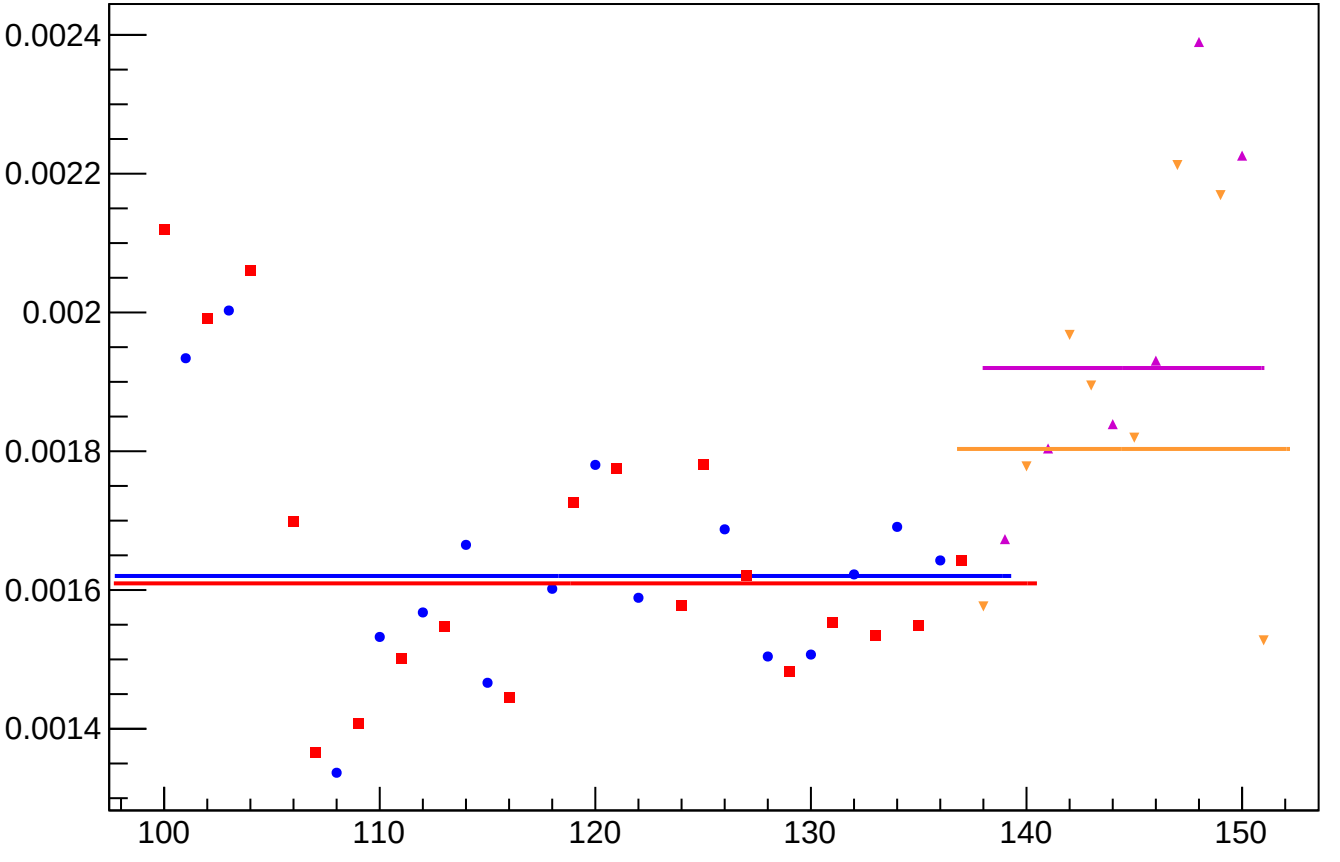
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.122+/-0.000 χ^2/NDF:849796500856.9/21

Out: -4.068+/-0.000 χ^2/NDF:952891854421.7/26

All: -4.093+/-0.000 χ^2/NDF: 1808732447327

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:192719.9/7

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:140217.6/5

Left: 0.002+/-0.000 χ^2/NDF: 353678.9/13

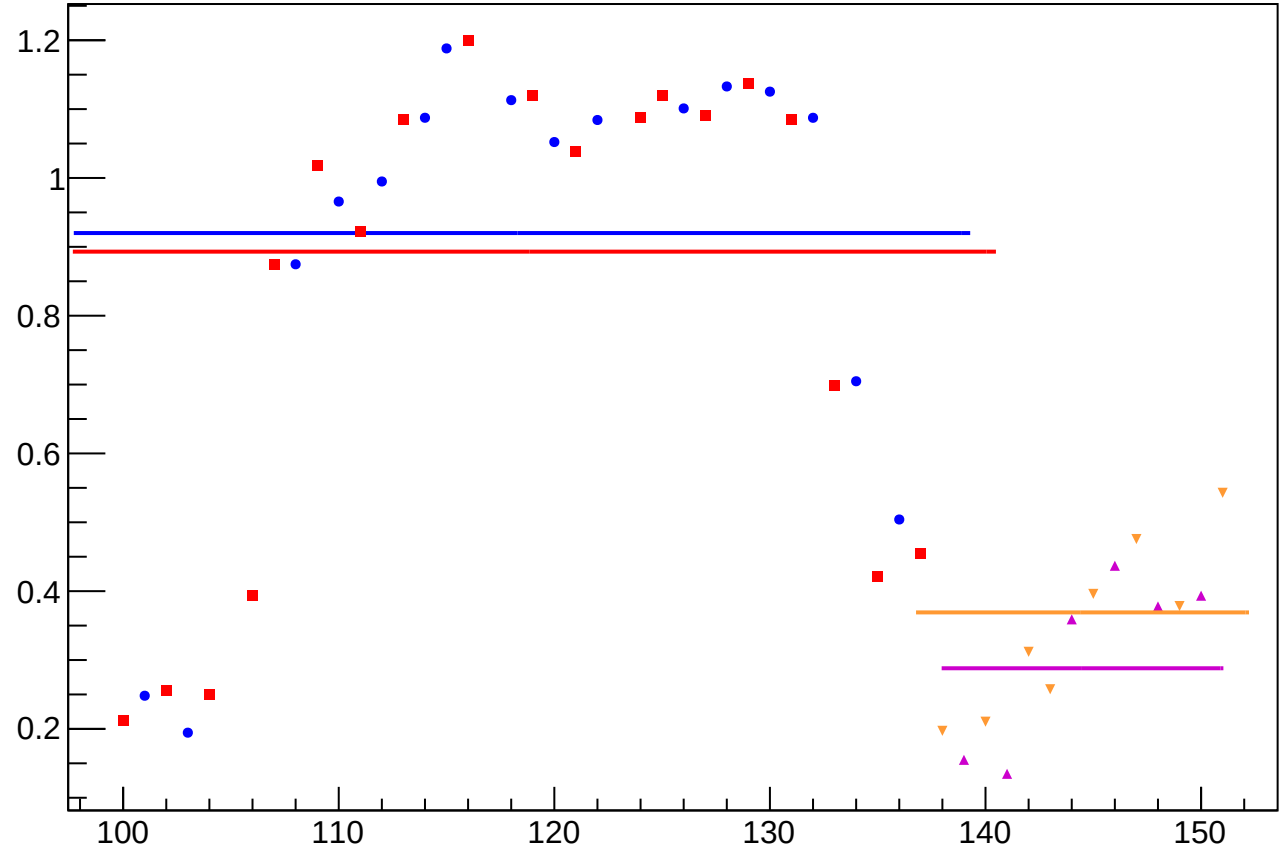
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:439411.8/21

Out: 0.002+/-0.000 χ^2/NDF:458554.3/26

All: 0.002+/-0.000 χ^2/NDF: 903429.8/48

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.369+/-0.000 χ^2/NDF:1576802509.8/7

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.288+/-0.000 χ^2/NDF:863473597.6/5

Left: 0.337+/-0.000 χ^2/NDF: 2662664644.8/13

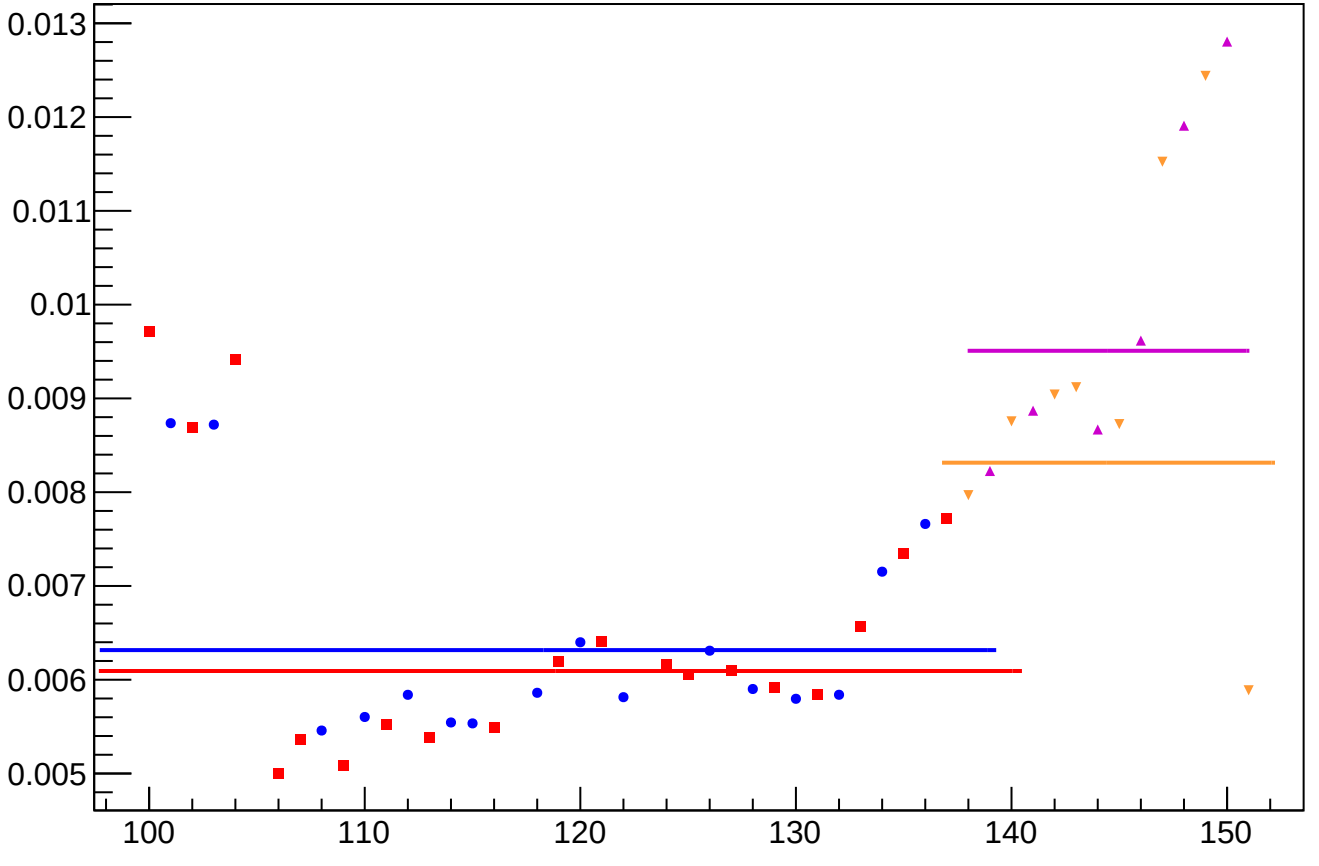
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.766+/-0.000 χ^2/NDF:32489777183.9/21

Out: 0.735+/-0.000 χ^2/NDF:35379059609.4/26

All: 0.749+/-0.000 χ^2/NDF: 67993166152.7/4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:623844.9/7

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.010+/-0.000 χ^2/NDF:252863.8/5

Left: 0.009+/-0.000 χ^2/NDF: 972953.1/13

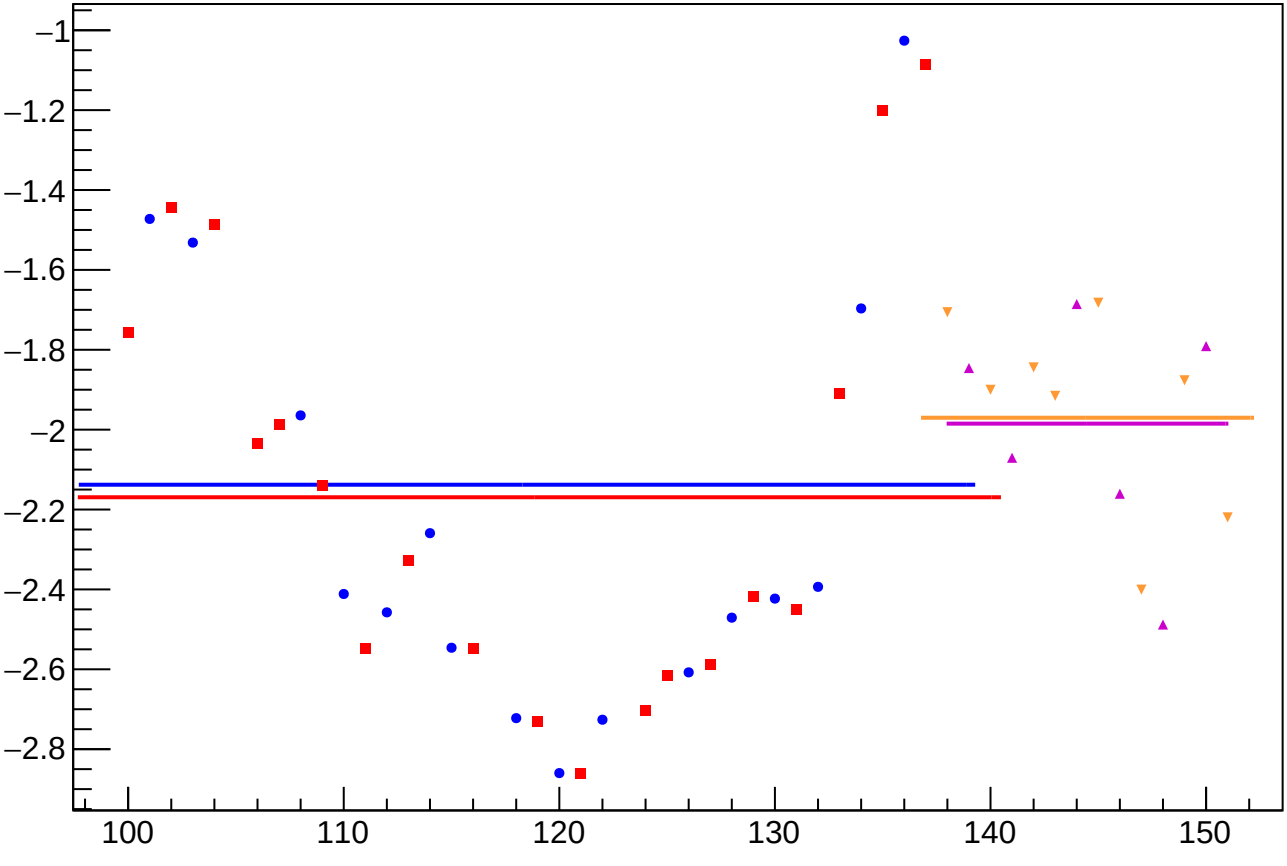
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1458825.3/21

Out: 0.007+/-0.000 χ^2/NDF:1640915.2/26

All: 0.007+/-0.000 χ^2/NDF: 3127209.0/48

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -1.970+/-0.000 χ^2/NDF:6345744615.2/7

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -1.985+/-0.000 χ^2/NDF:4893494264.8/5

Left: -1.976+/-0.000 χ^2/NDF: 11249427296.7/13

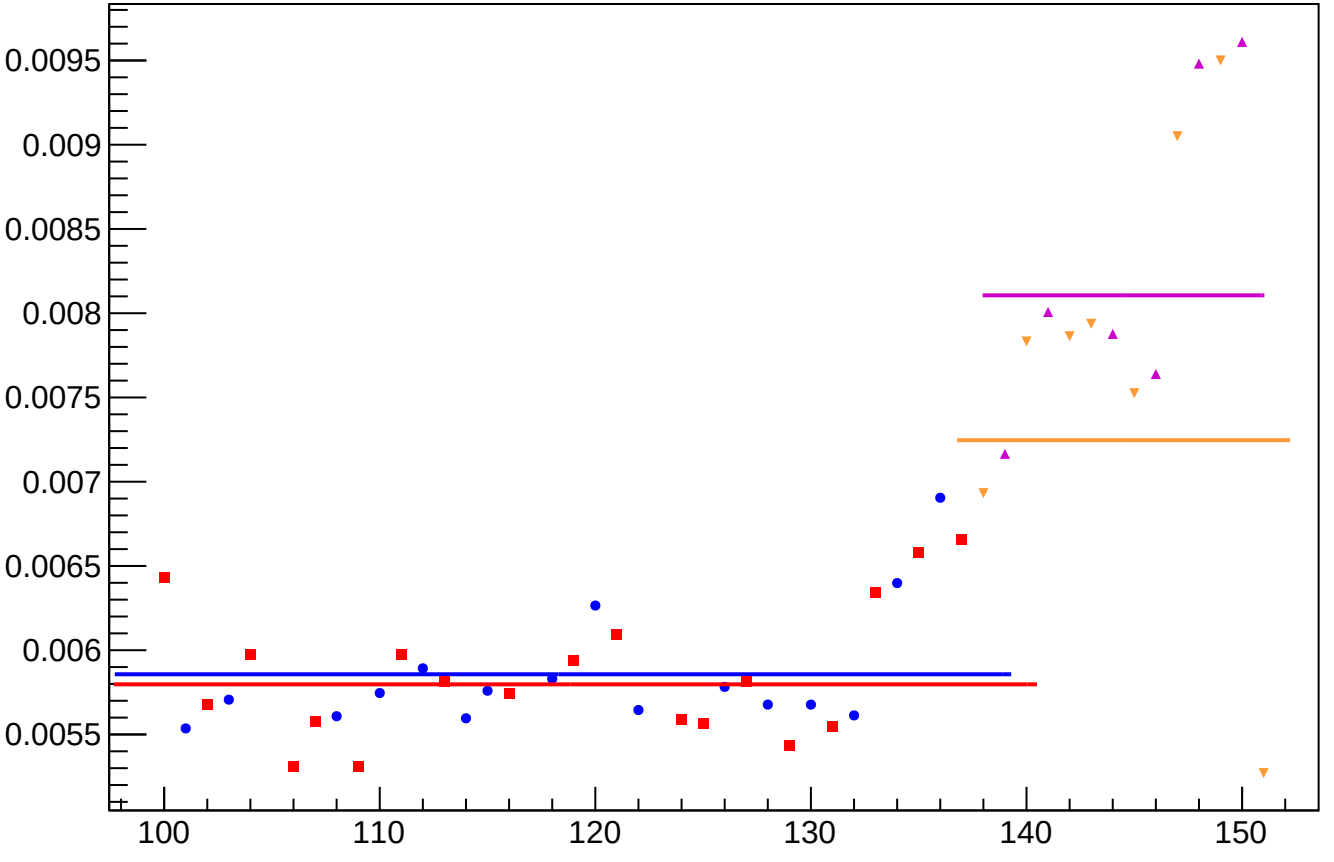
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.096+/-0.000 χ^2/NDF:71901697070.4/21

Out: -2.102+/-0.000 χ^2/NDF:66731088465.2/26

All: -2.099+/-0.000 χ^2/NDF: 138638109889.4

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:425972.8/7

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.008+/-0.000 χ^2/NDF:116451.6/5

Left: 0.008+/-0.000 χ^2/NDF: 611209.0/13

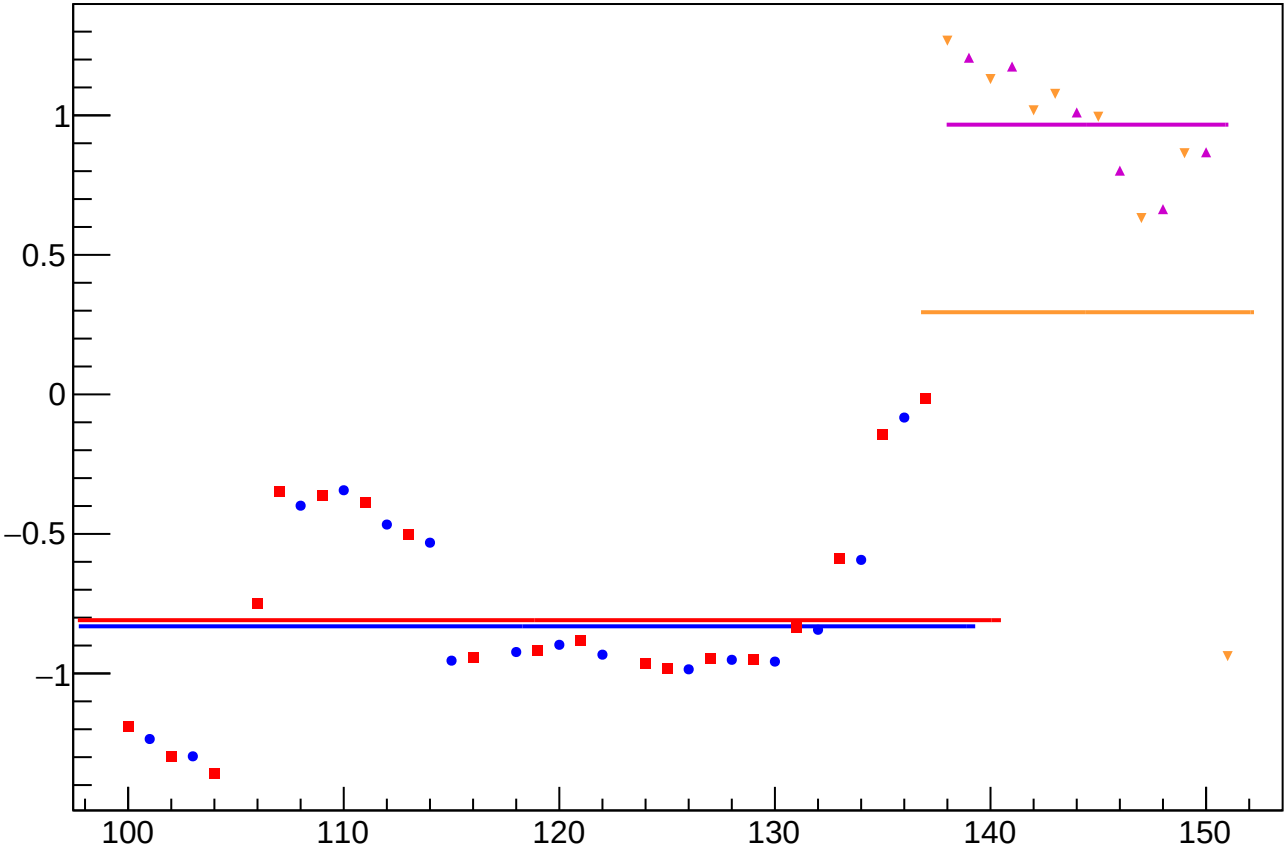
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:758511.6/21

Out: 0.006+/-0.000 χ^2/NDF:797643.6/26

All: 0.006+/-0.000 χ^2/NDF: 1566753.0/48

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 0.294+/-0.000 χ^2/NDF:45596873960.7/7

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: 0.967+/-0.000 χ^2/NDF:1107841146.7/5

Left: 0.550+/-0.000 χ^2/NDF: 55428597584.5/13

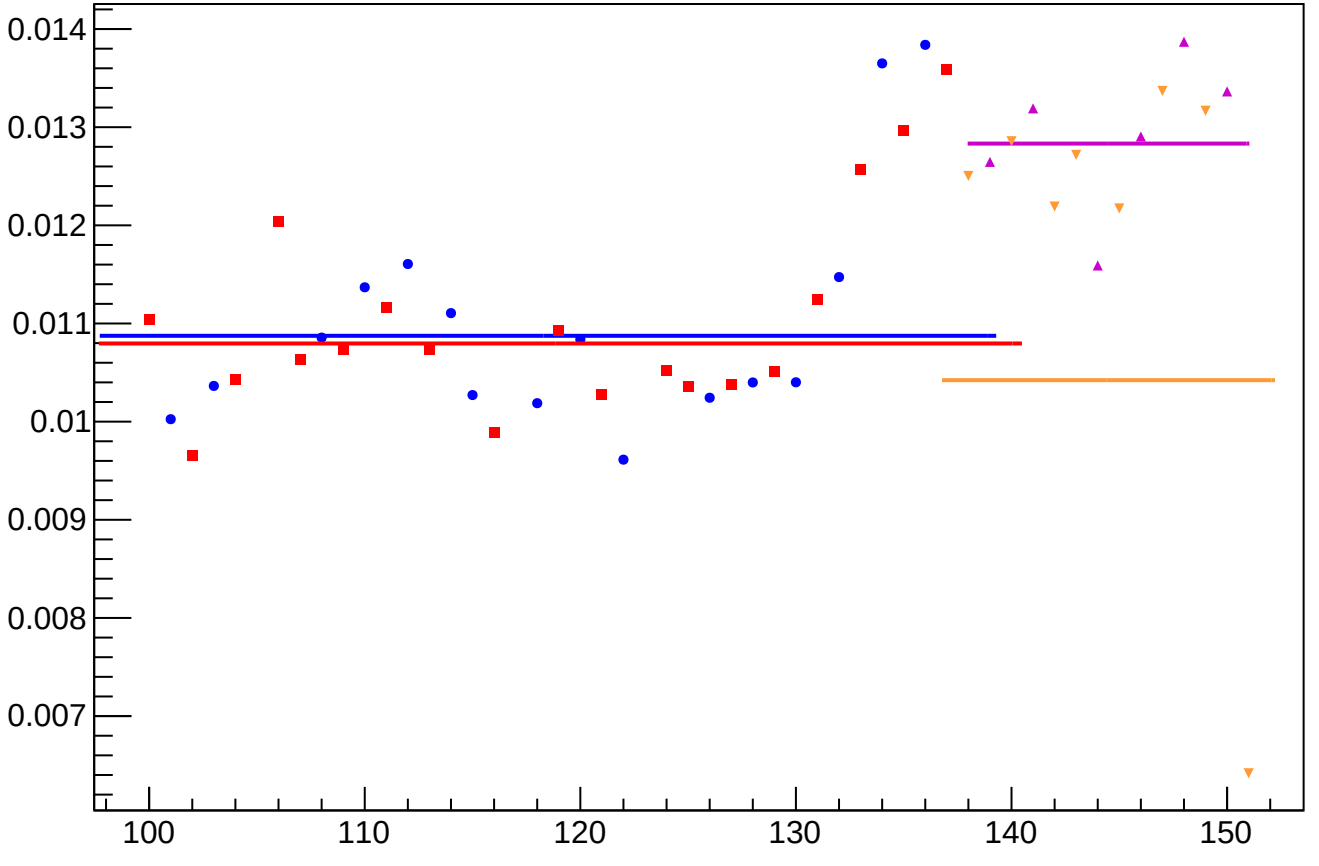
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.214+/-0.000 χ^2/NDF:74258951663.5/21

Out: -0.312+/-0.000 χ^2/NDF:87782254284.5/26

All: -0.268+/-0.000 χ^2/NDF: 162523957956.

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:949689.3/7

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.013+/-0.000 χ^2/NDF:33935.4/5

Left: 0.011+/-0.000 χ^2/NDF: 1208042.3/13

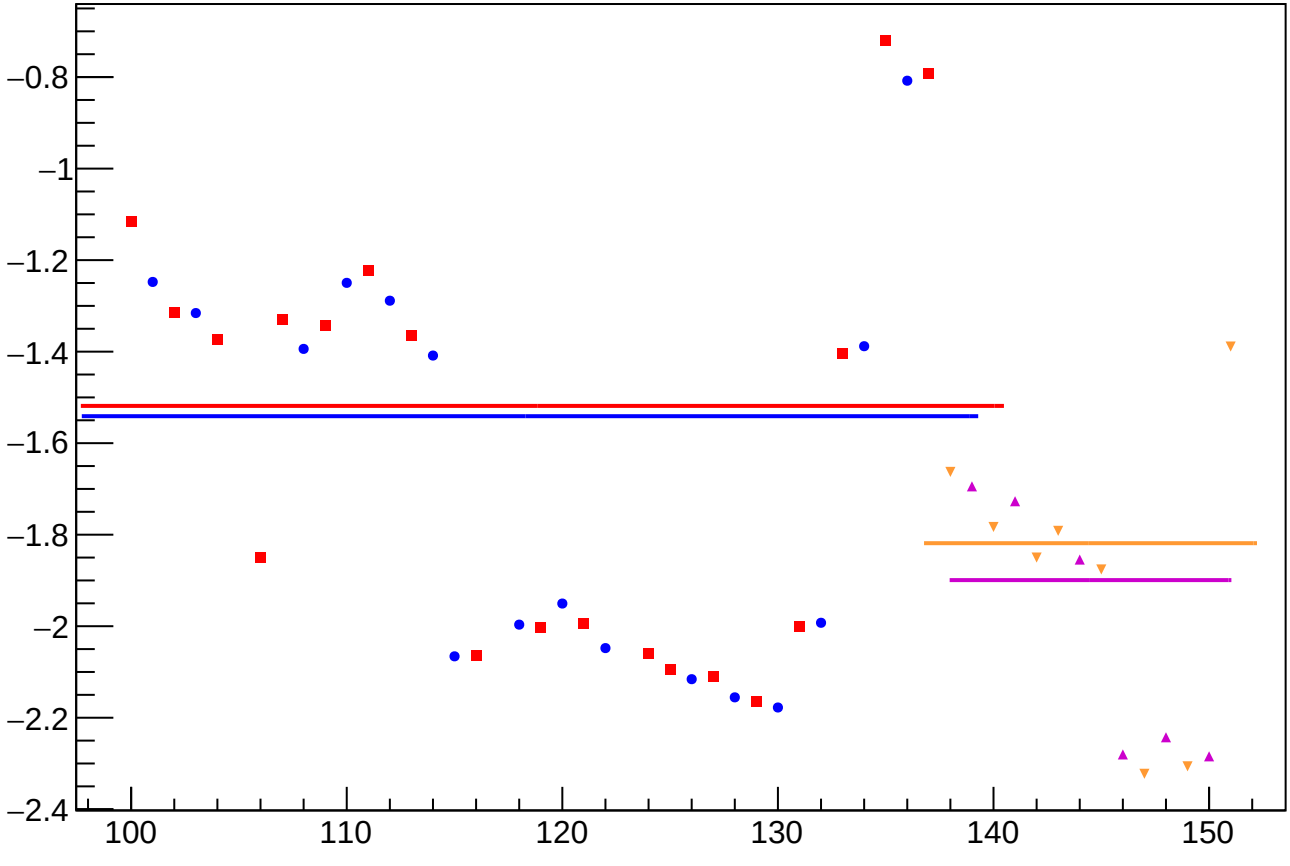
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.012+/-0.000 χ^2/NDF:348284.8/21

Out: 0.011+/-0.000 χ^2/NDF:1056623.5/26

All: 0.011+/-0.000 χ^2/NDF: 1489891.2/48

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:30479726346.5/7

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -1.899+/-0.000 χ^2/NDF:21795328564.9/5

Left: -1.853+/-0.000 χ^2/NDF: 53666765838.0/13

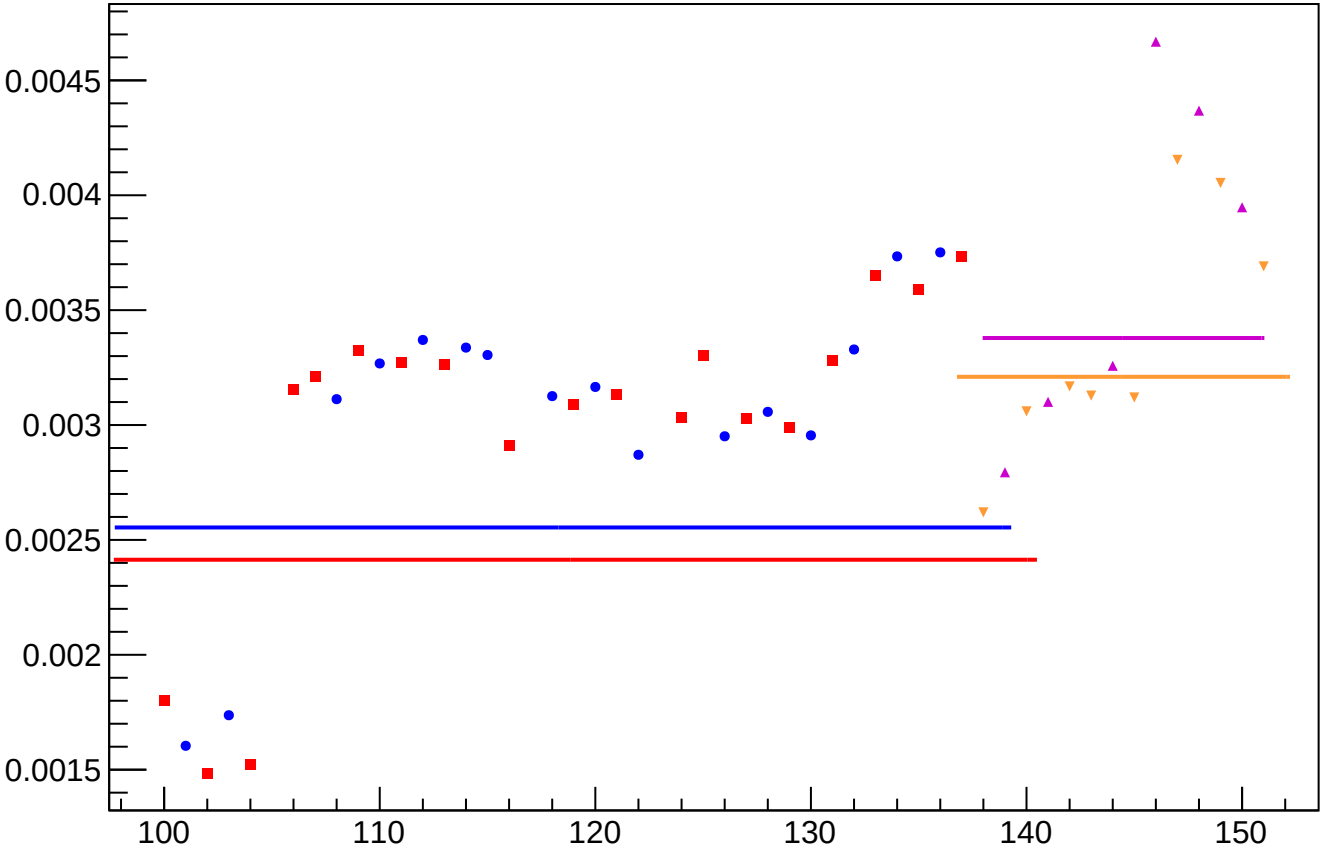
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.644+/-0.000 χ^2/NDF:218396371013.3/21

Out: -1.617+/-0.000 χ^2/NDF:205736106154.3/26

All: -1.630+/-0.000 χ^2/NDF: 424619934620.1

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:224359.2/7

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:269290.9/5

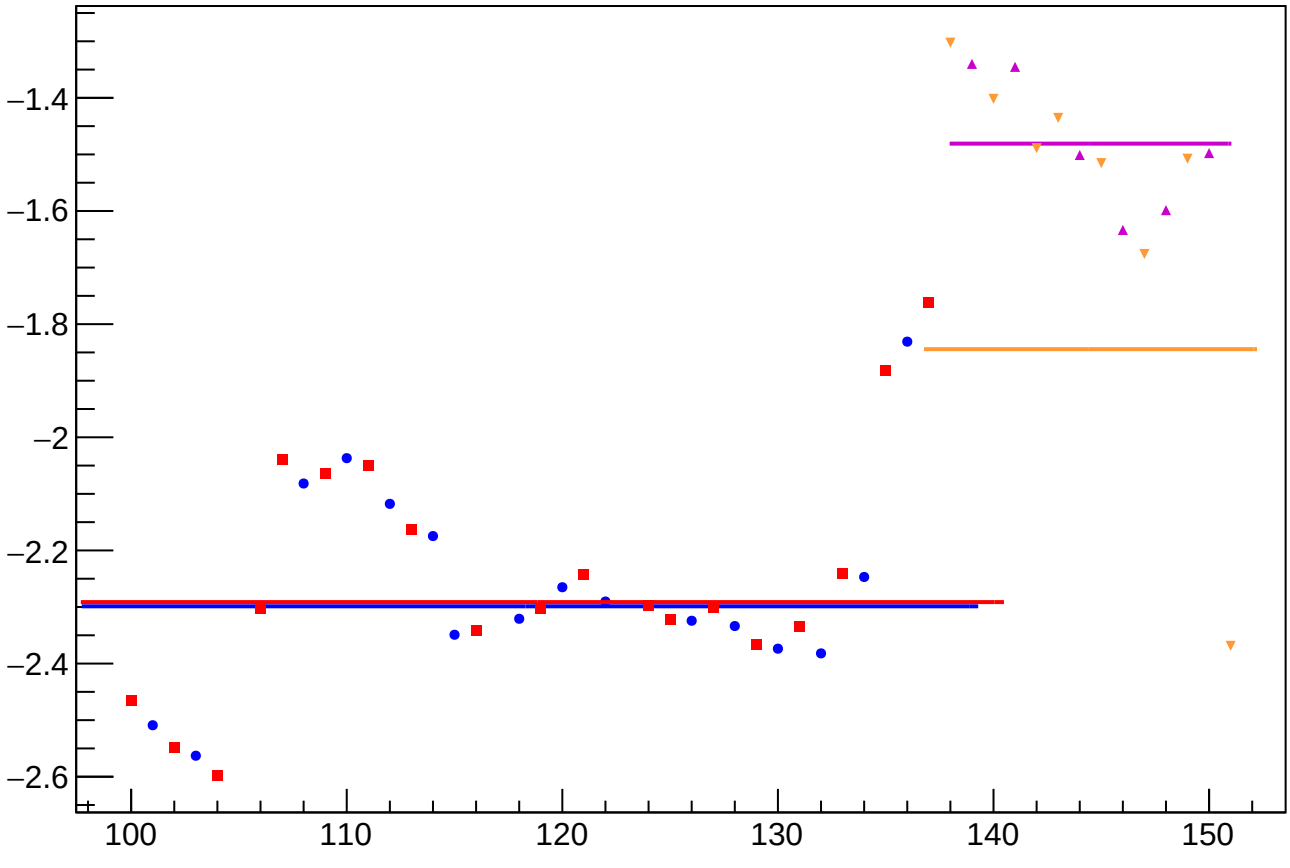
Left: 0.003+/-0.000 χ^2/NDF: 505844.0/13

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

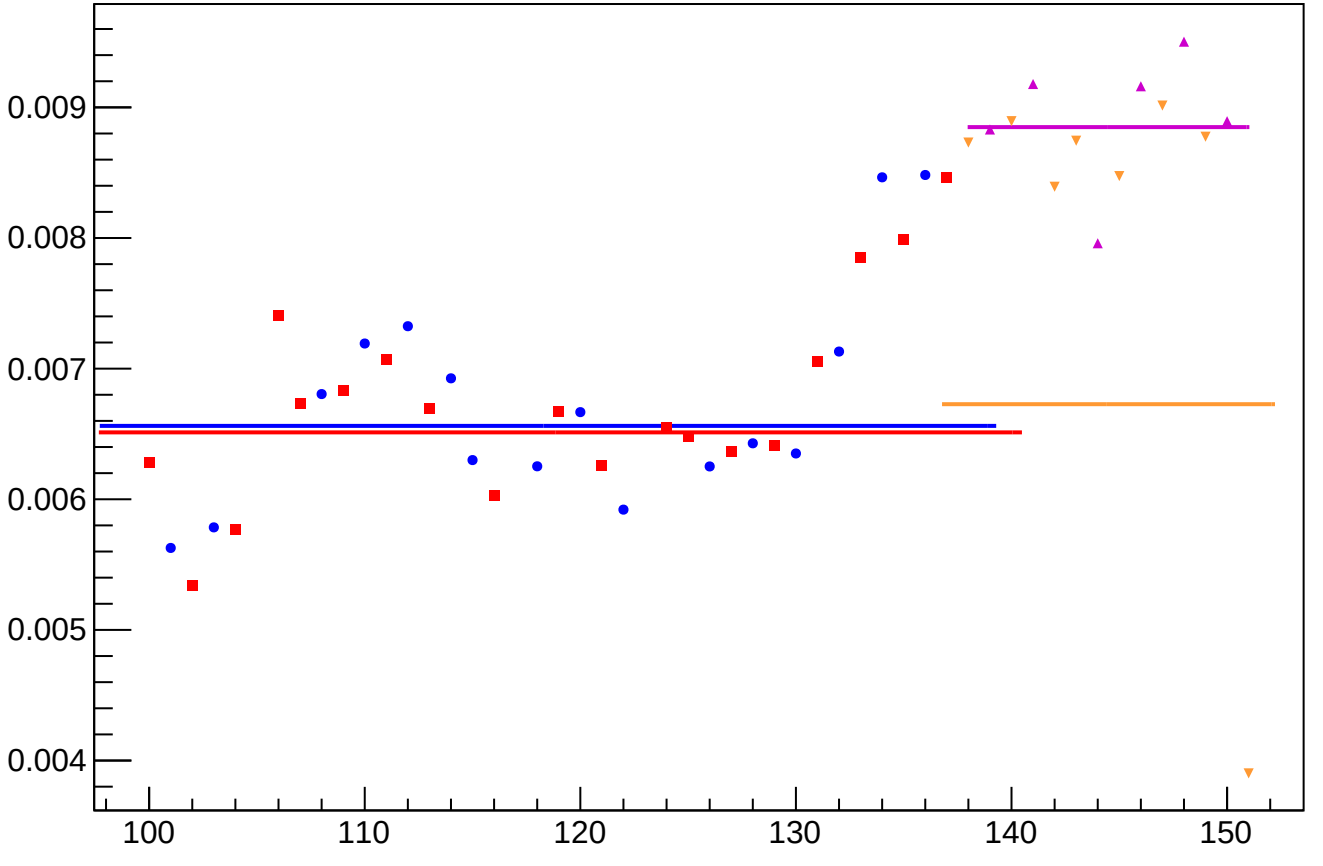
In: 0.003+/-0.000 χ^2/NDF:1804047.4/21

Out: 0.003+/-0.000 χ^2/NDF:2196226.2/26

All: 0.003+/-0.000 χ^2/NDF: 4018691.1/48


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.844+/-0.000 χ²/NDF:23254075671.1/7
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.481+/-0.000 χ²/NDF:754421023.9/5
Left: -1.715+/-0.000 χ²/NDF: 29431479384.8/13
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.066+/-0.000 χ²/NDF:37455264916.3/21
Out: -2.109+/-0.000 χ²/NDF:43722282415.9/26
All: -2.090+/-0.000 χ²/NDF: 81407818188.6/

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:1310367.7/7

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.009+/-0.000 χ^2/NDF:33454.8/5

Left: 0.007+/-0.000 χ^2/NDF: 1713463.3/13

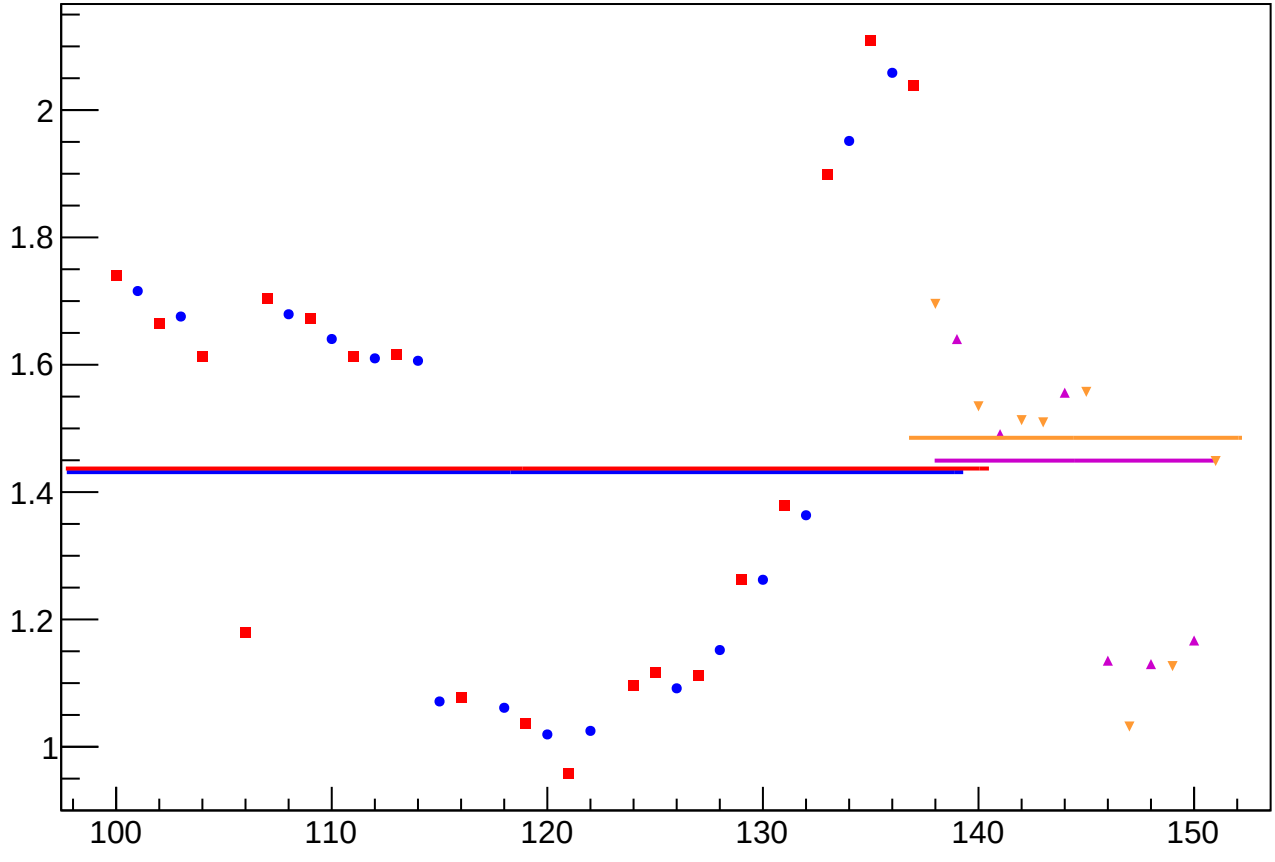
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.007+/-0.000 χ^2/NDF:733499.0/21

Out: 0.007+/-0.000 χ^2/NDF:1501682.8/26

All: 0.007+/-0.000 χ^2/NDF: 2328955.1/48

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.485+/-0.000 χ^2/NDF:6556991041.4/7

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.449+/-0.000 χ^2/NDF:5683145528.1/5

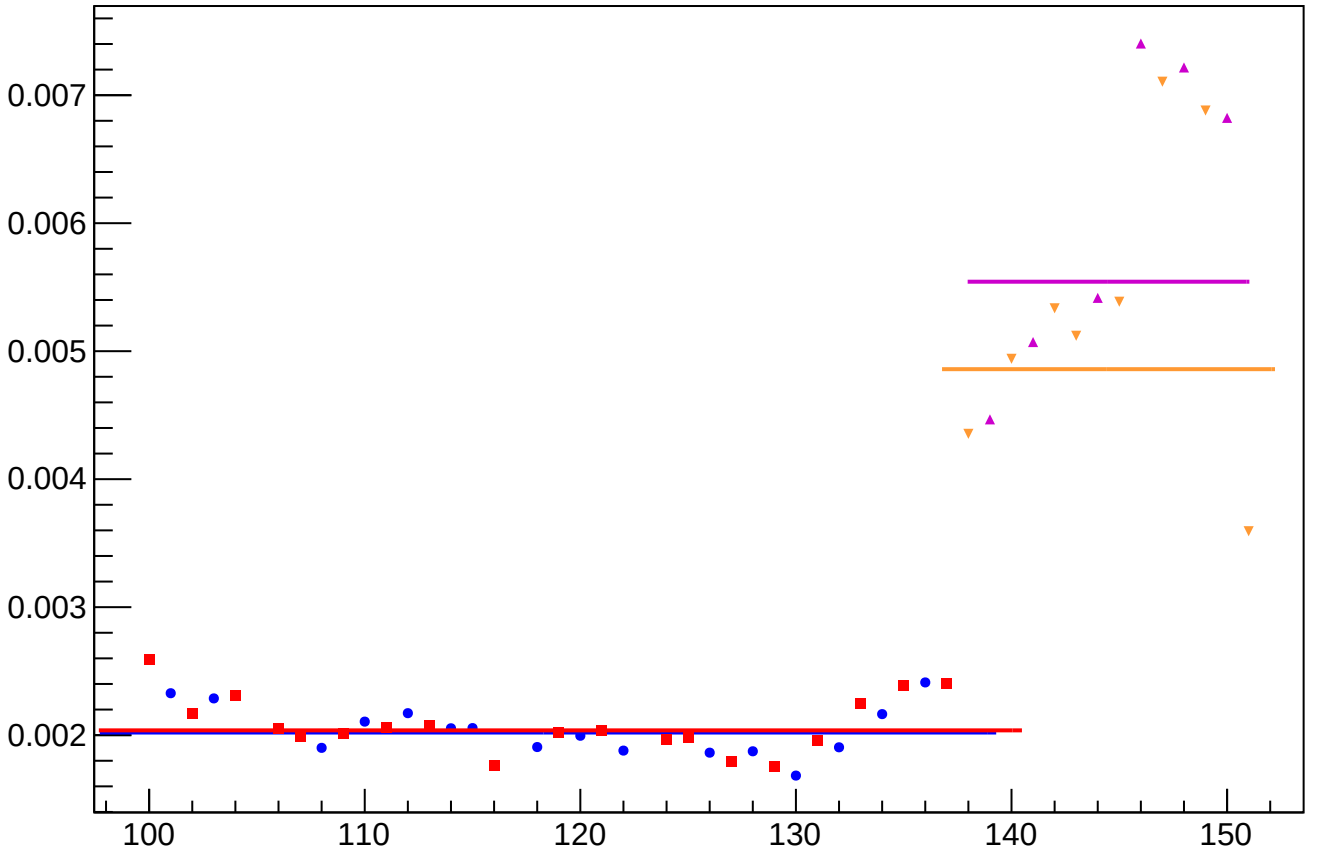
Left: 1.471+/-0.000 χ^2/NDF: 12352959743.0/13

Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.433+/-0.000 χ^2/NDF:194907598894.9/21

Out: 1.443+/-0.000 χ^2/NDF:189032821901.5/26

All: 1.438+/-0.000 χ^2/NDF: 384030803914.5



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:461668.4/7

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.006+/-0.000 χ^2/NDF:319129.0/5

Left: 0.005+/-0.000 χ^2/NDF: 862897.1/13

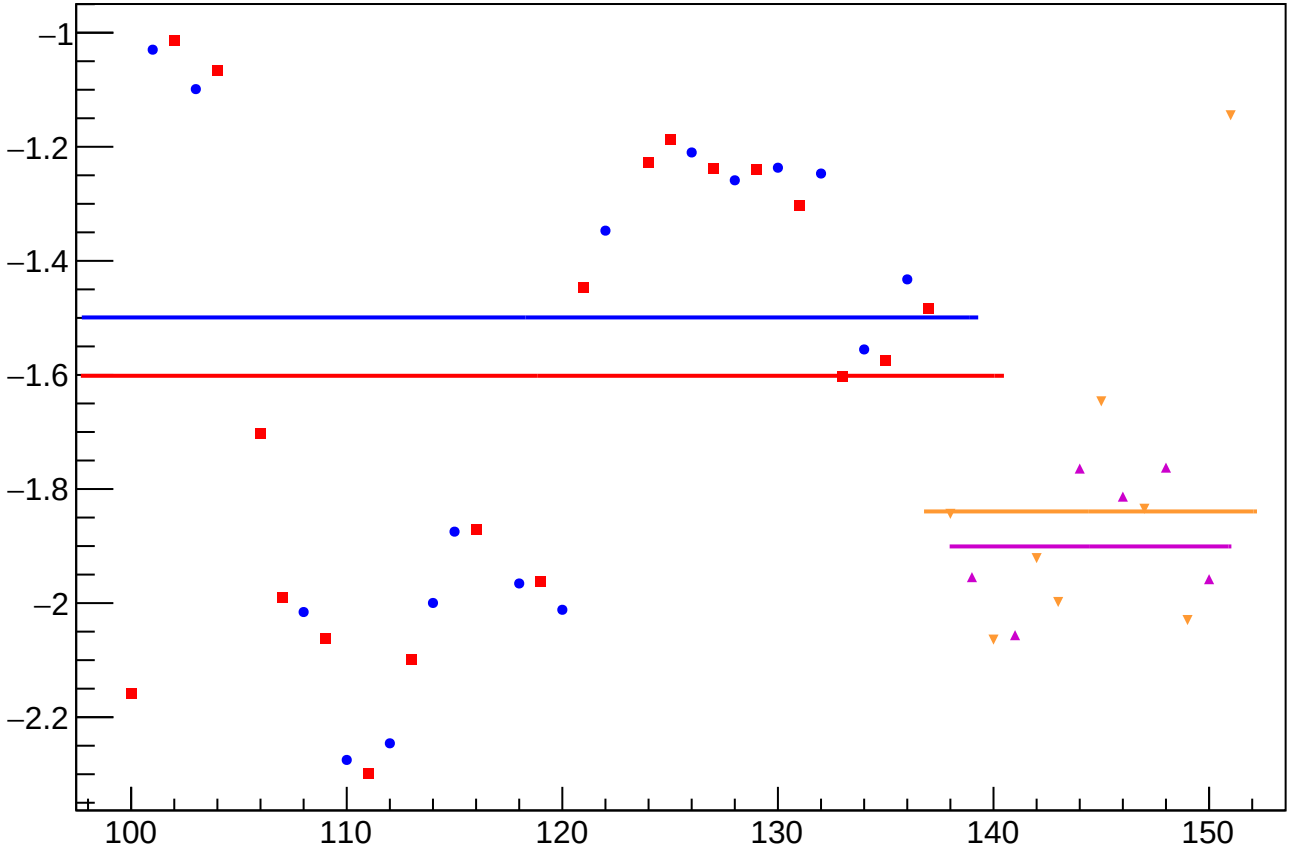
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:3780960.9/21

Out: 0.002+/-0.000 χ^2/NDF:3697414.7/26

All: 0.002+/-0.000 χ^2/NDF: 7486558.6/48

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.839+/-0.000 χ^2/NDF:11255762271.3/7

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.901+/-0.000 χ^2/NDF:1687874411.3/5

Left: -1.867+/-0.000 χ^2/NDF: 13212022373.6/13

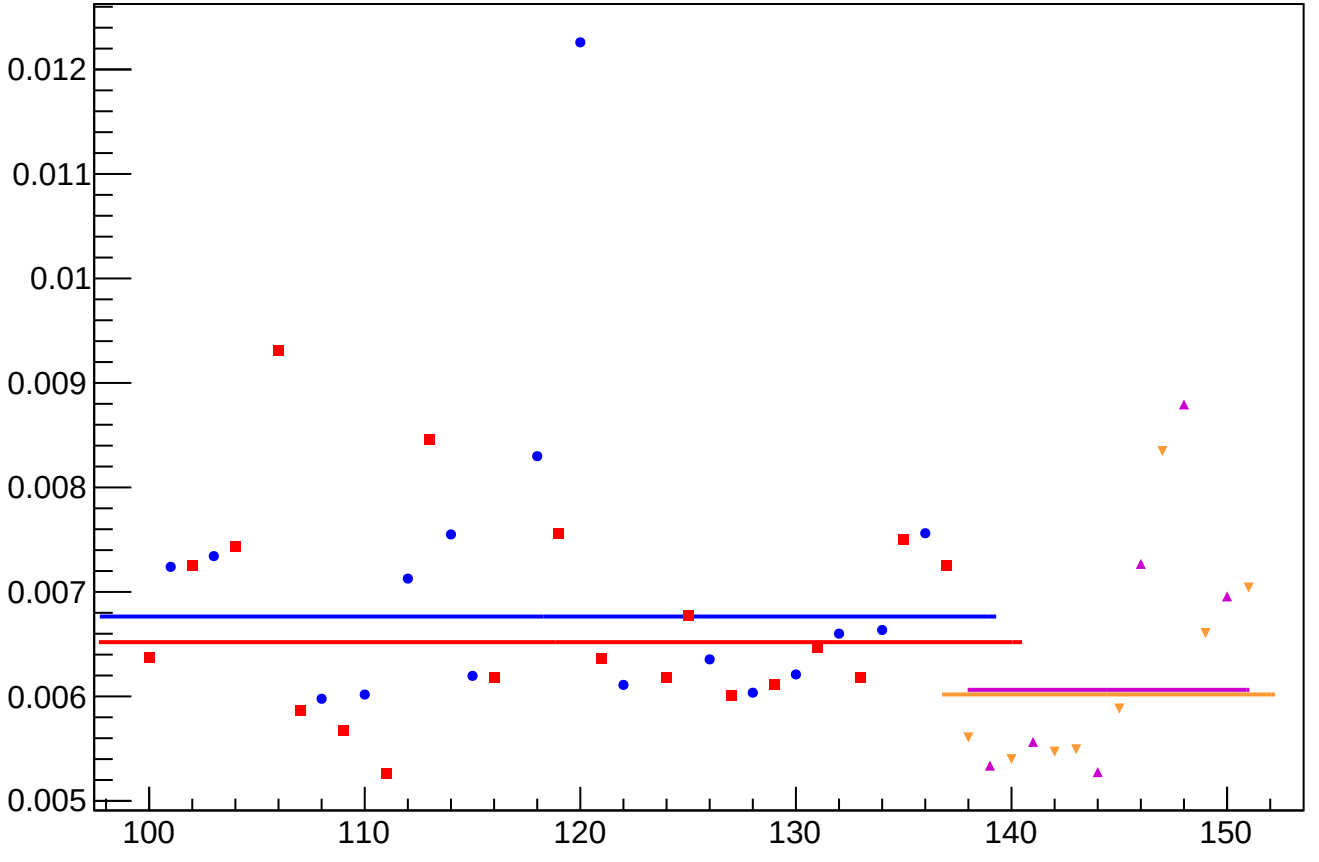
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.691+/-0.000 χ^2/NDF:35516549259.2/21

Out: -1.719+/-0.000 χ^2/NDF:44125192227.8/26

All: -1.706+/-0.000 χ^2/NDF: 79761798361.7/

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:215578.9/7

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:295689.2/5

Left: 0.006+/-0.000 χ^2/NDF: 511548.2/13

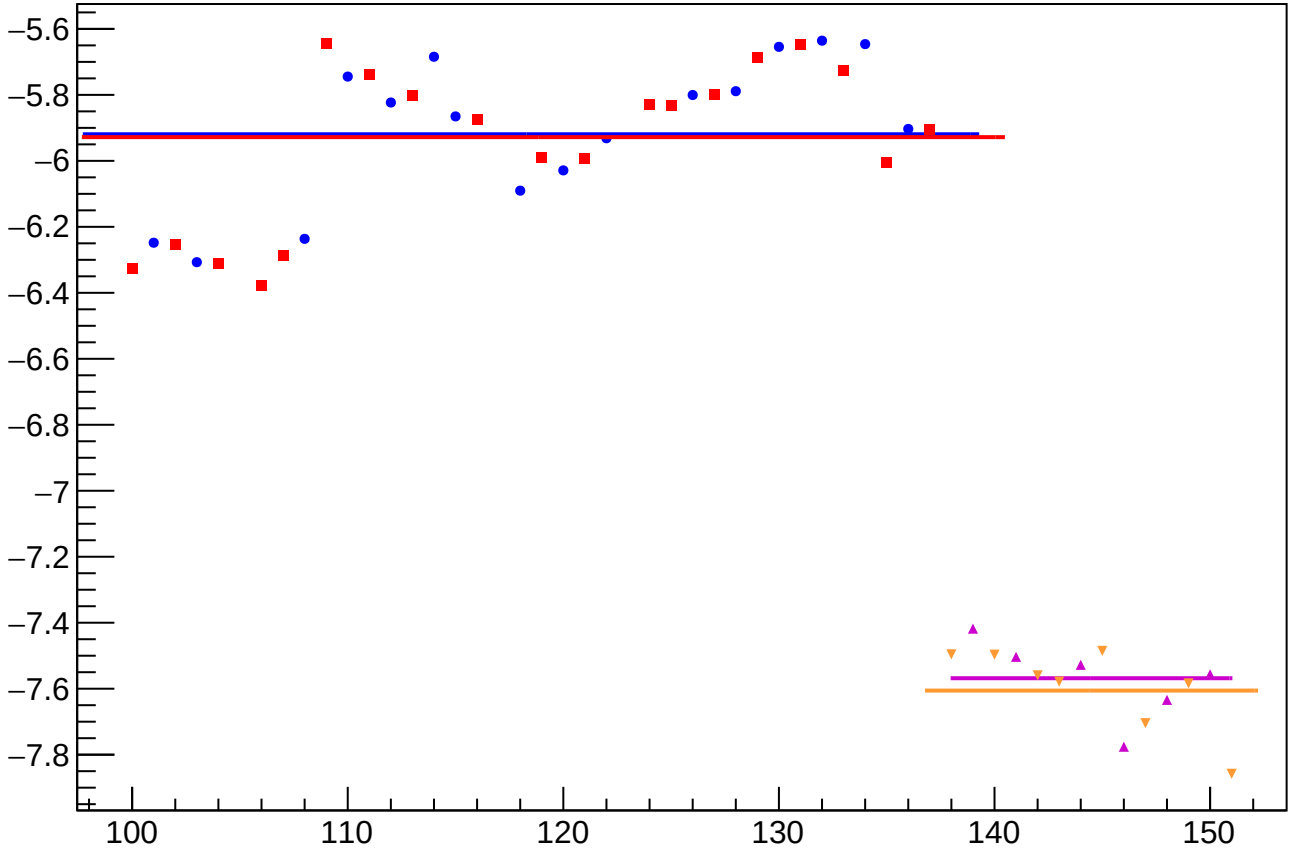
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.006+/-0.000 χ^2/NDF:600822.8/21

Out: 0.006+/-0.000 χ^2/NDF:501291.1/26

All: 0.006+/-0.000 χ^2/NDF: 1109500.8/48

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.606+/-0.000 χ^2/NDF:811925200.1/7

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.568+/-0.000 χ^2/NDF:526495091.2/5

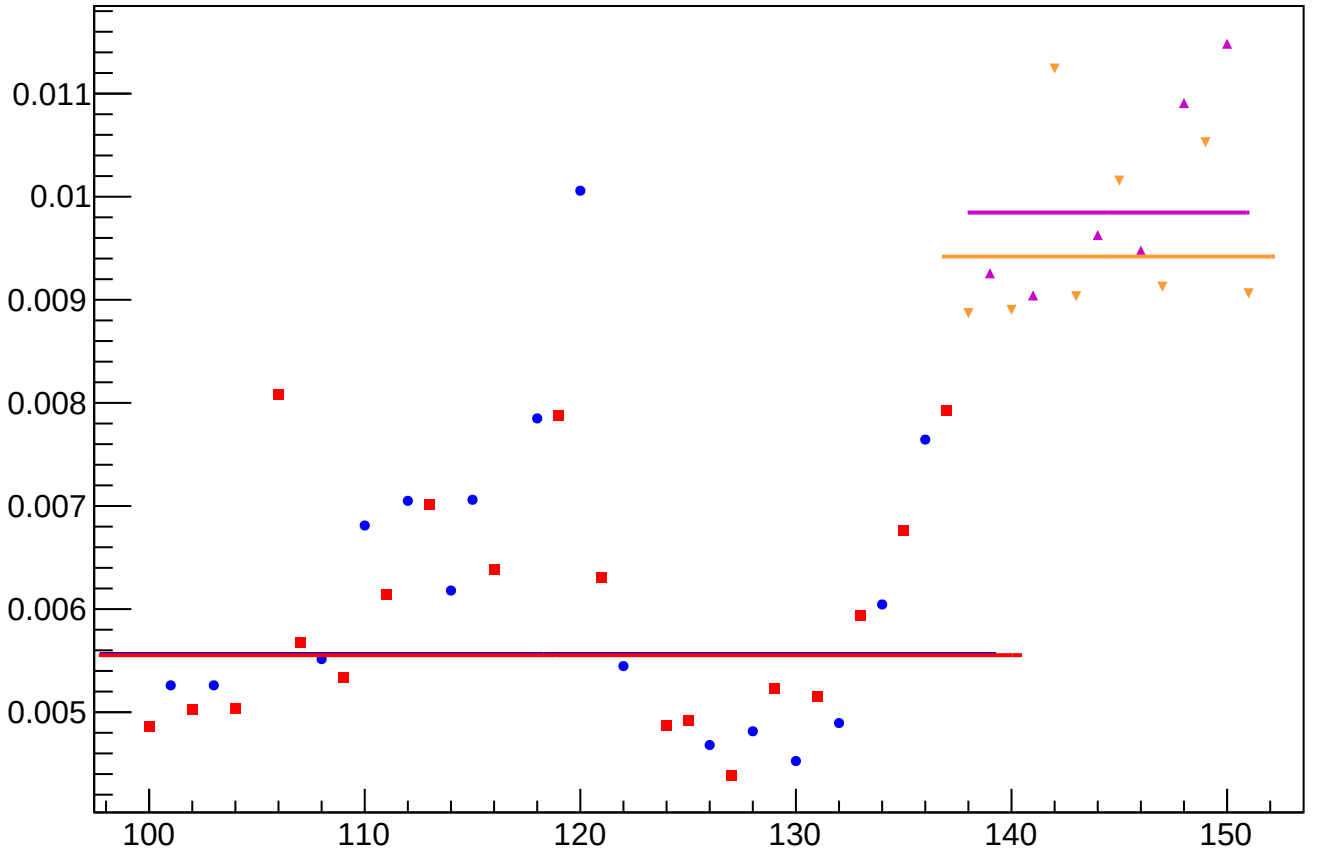
Left: -7.589+/-0.000 χ^2/NDF: 1368715651.9/13

Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.190+/-0.000 χ^2/NDF:100736237351.8/21

Out: -6.244+/-0.000 χ^2/NDF:124929671524.2/26

All: -6.218+/-0.000 χ^2/NDF: 226019058004.5



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:49021.7/7

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:56352.1/5

Left: 0.010+/-0.000 χ^2/NDF: 113271.9/13

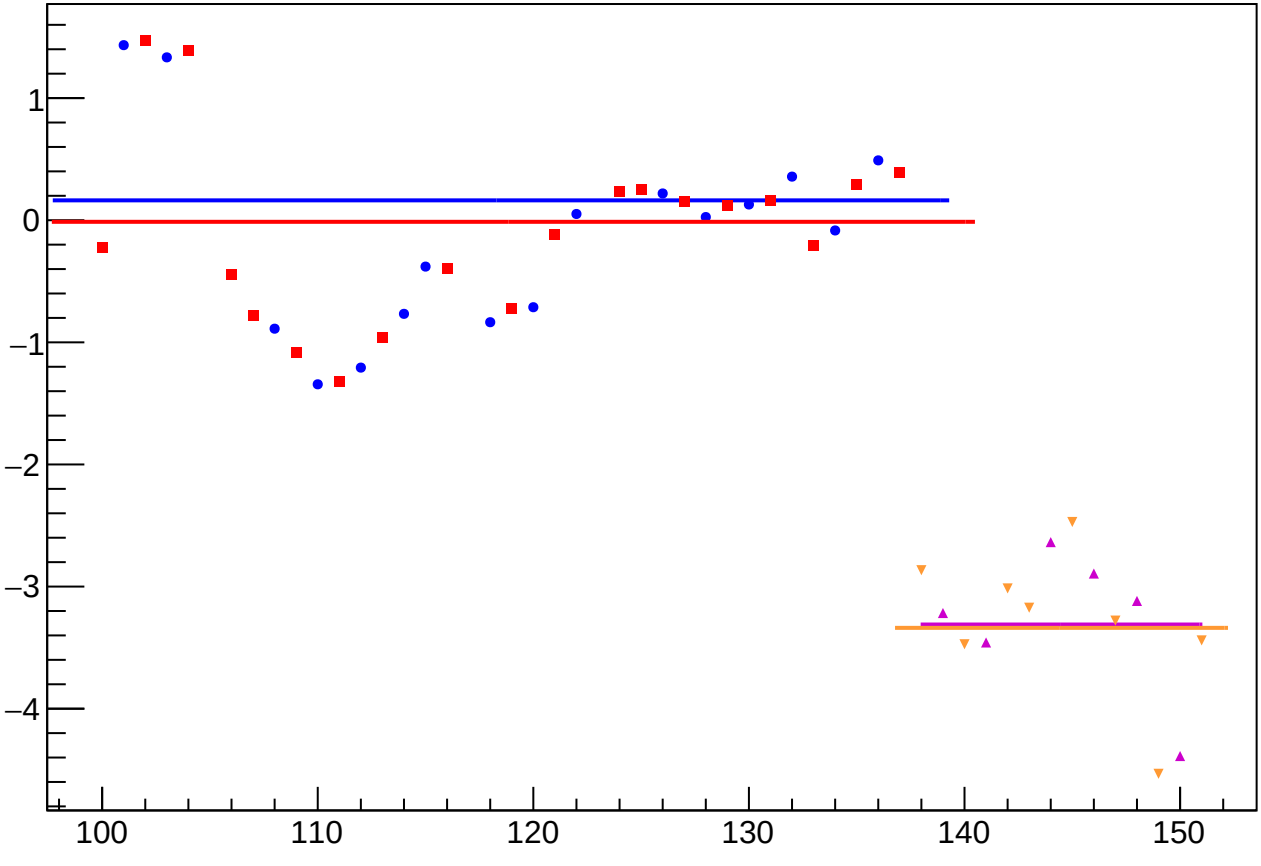
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:1745230.7/21

Out: 0.006+/-0.000 χ^2/NDF:1597776.3/26

All: 0.006+/-0.000 χ^2/NDF: 3343046.7/48

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.338+/-0.000 χ^2/NDF:6196932535.6/7

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.311+/-0.000 χ^2/NDF:4518174156.1/5

Left: -3.326+/-0.000 χ^2/NDF: 10720672452.7/13

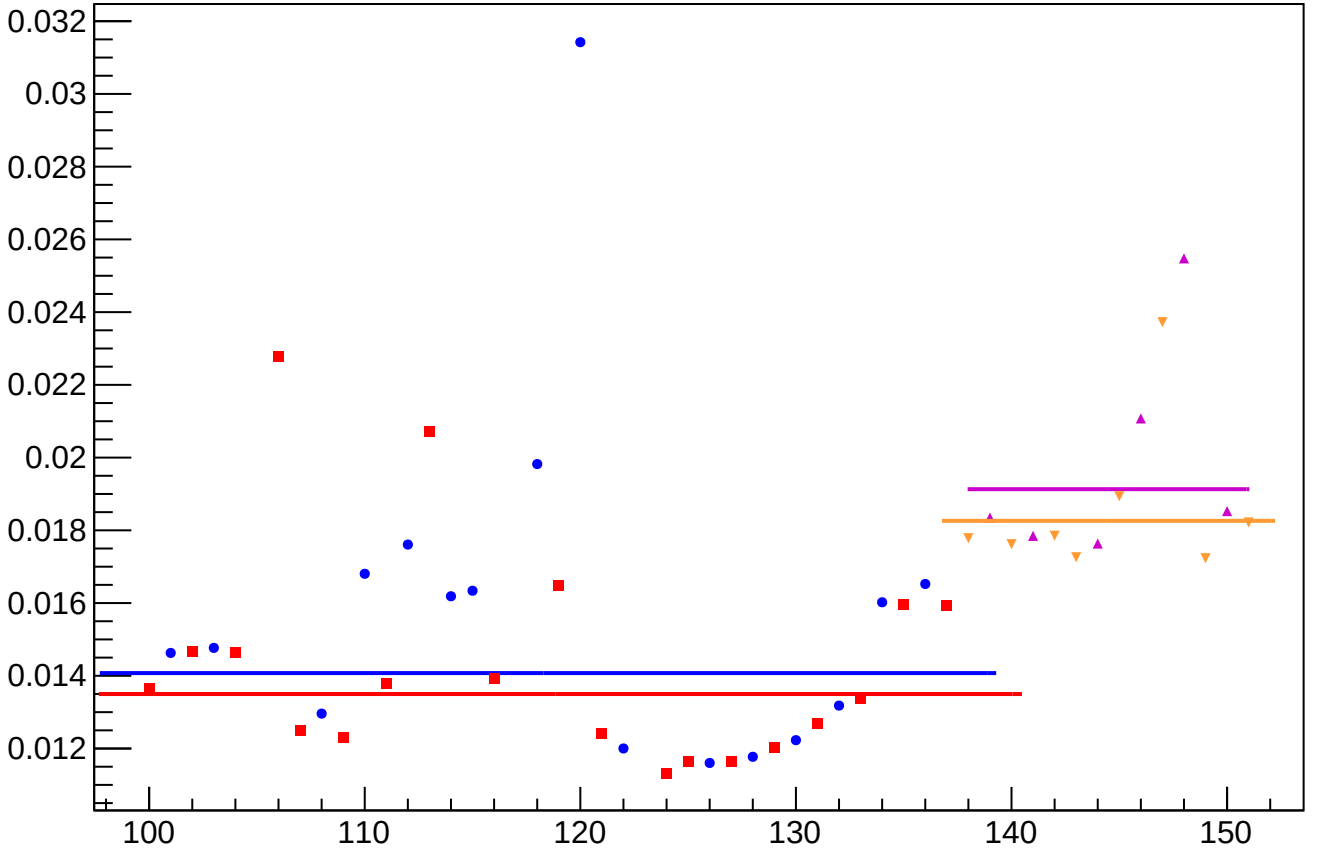
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -0.852+/-0.000 χ^2/NDF:134681066760.9/21

Out: -1.063+/-0.000 χ^2/NDF:158501625474.0/26

All: -0.968+/-0.000 χ^2/NDF: 294276425562.8

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:95681.4/7

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.019+/-0.000 χ^2/NDF:132257.5/5

Left: 0.019+/-0.000 χ^2/NDF: 239215.4/13

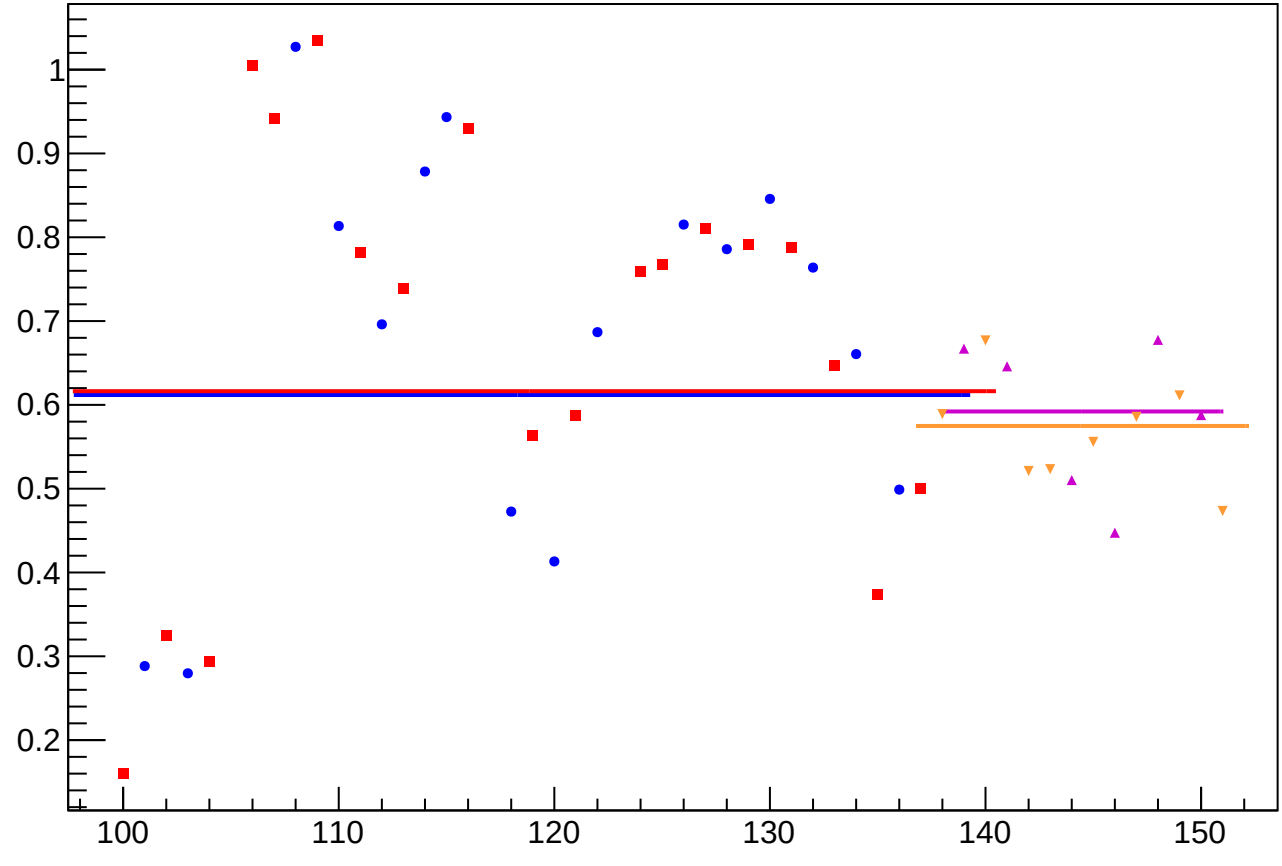
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1073418.6/21

Out: 0.015+/-0.000 χ^2/NDF:943089.5/26

All: 0.015+/-0.000 χ^2/NDF: 2031366.6/48

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.575+/-0.000 χ^2/NDF:276687290.4/7

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.592+/-0.000 χ^2/NDF:406846282.0/5

Left: 0.583+/-0.000 χ^2/NDF: 693364537.1/13

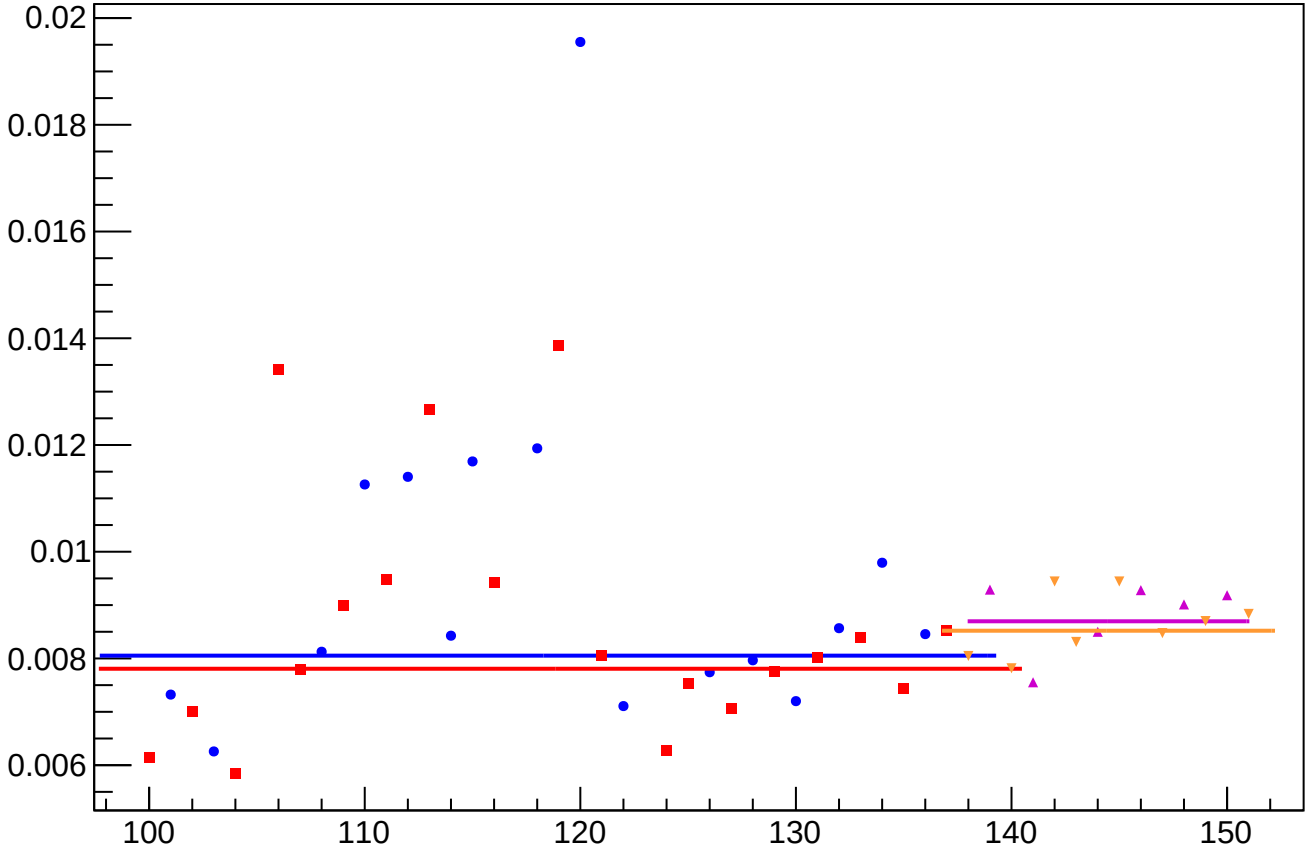
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.604+/-0.000 χ^2/NDF:6060044011.7/21

Out: 0.599+/-0.000 χ^2/NDF:6770019211.6/26

All: 0.602+/-0.000 χ^2/NDF: 12831887160.6/4

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:39564.8/7

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:54592.6/5

Left: 0.009+/-0.000 χ^2/NDF: 96207.5/13

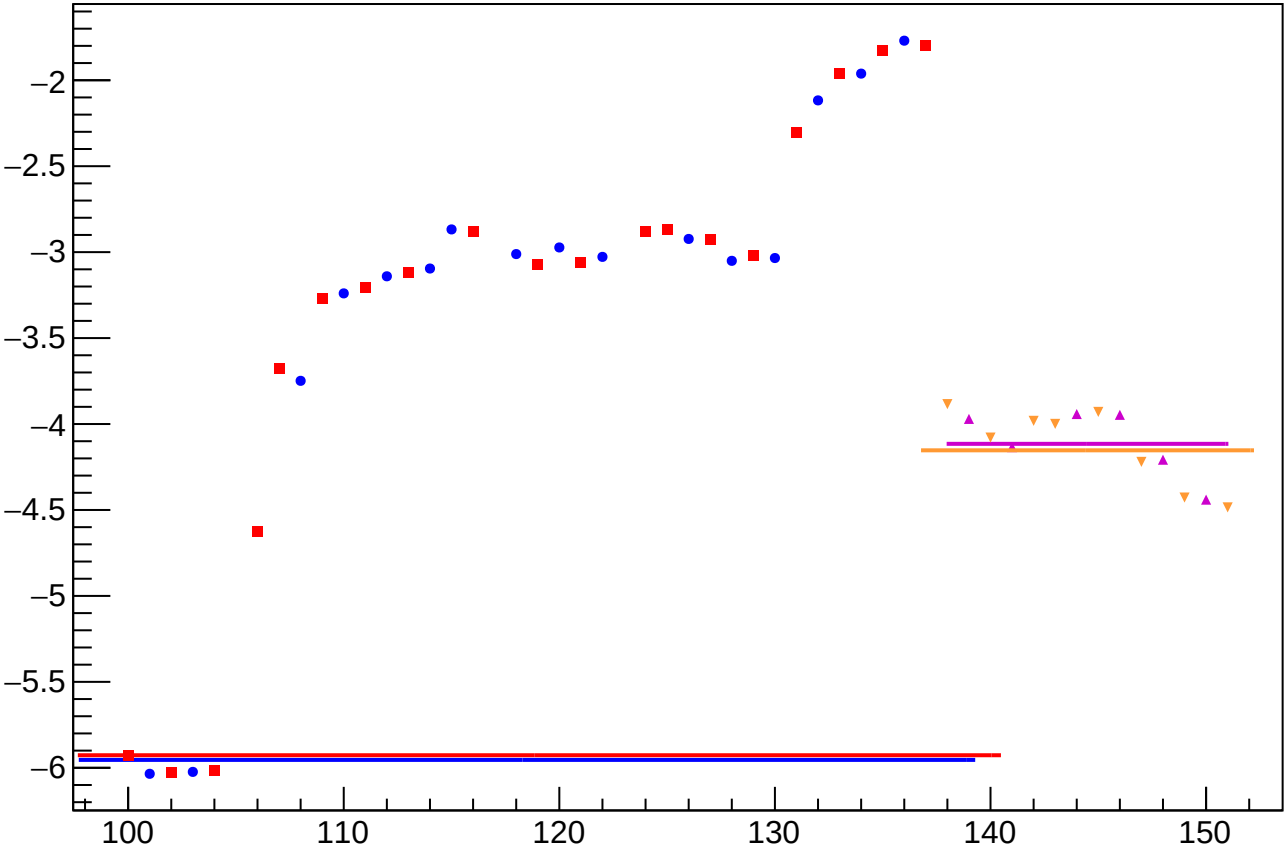
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:683379.8/21

Out: 0.008+/-0.000 χ^2/NDF:670254.1/26

All: 0.008+/-0.000 χ^2/NDF: 1360636.4/48

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.153+/-0.000 χ^2/NDF:49331014.1/7

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.115+/-0.000 χ^2/NDF:14584023.6/5

Left: -4.132+/-0.000 χ^2/NDF: 64577065.4/13

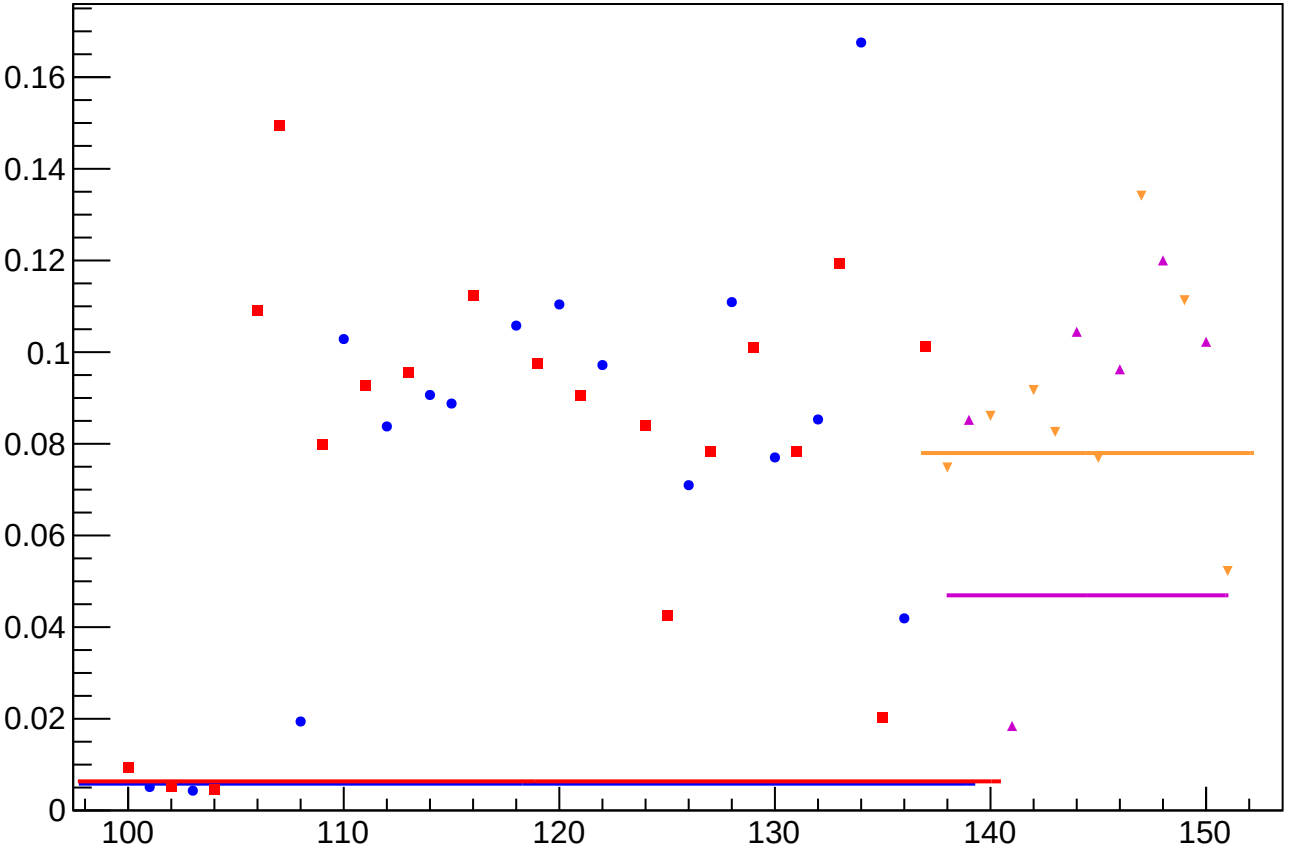
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.917+/-0.000 χ^2/NDF:16591679433.3/21

Out: -5.893+/-0.000 χ^2/NDF:16545598265.4/26

All: -5.906+/-0.000 χ^2/NDF: 33151826498.8/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.078+/-0.000 χ^2/NDF:721337.0/7

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.047+/-0.000 χ^2/NDF:3239883.2/5

Left: 0.061+/-0.000 χ^2/NDF: 4856869.9/13

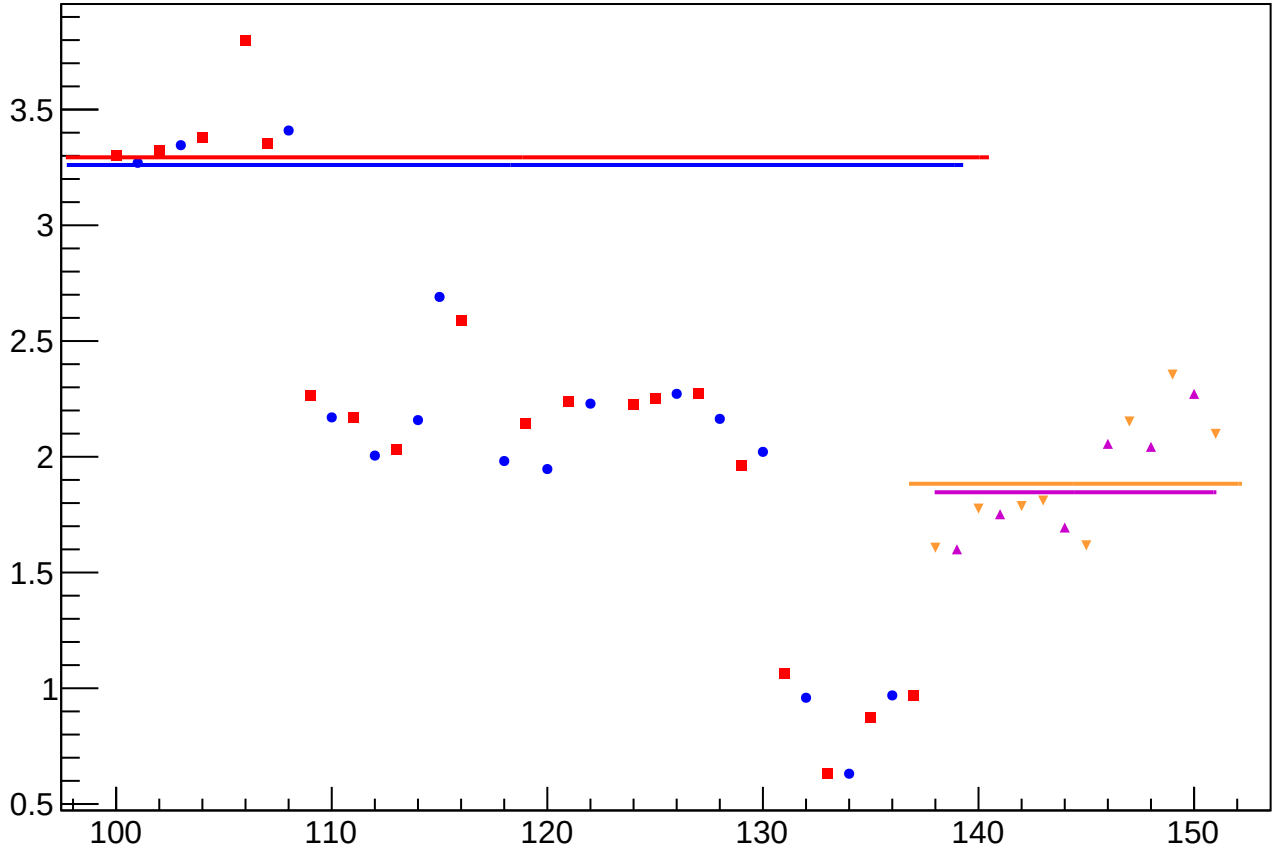
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:15414482.2/21

Out: 0.008+/-0.000 χ^2/NDF:17867596.9/26

All: 0.007+/-0.000 χ^2/NDF: 33335883.9/48

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.883+/-0.000 χ^2/NDF:40836950.9/7

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.847+/-0.000 χ^2/NDF:24928120.7/5

Left: 1.867+/-0.000 χ^2/NDF: 66194488.9/13

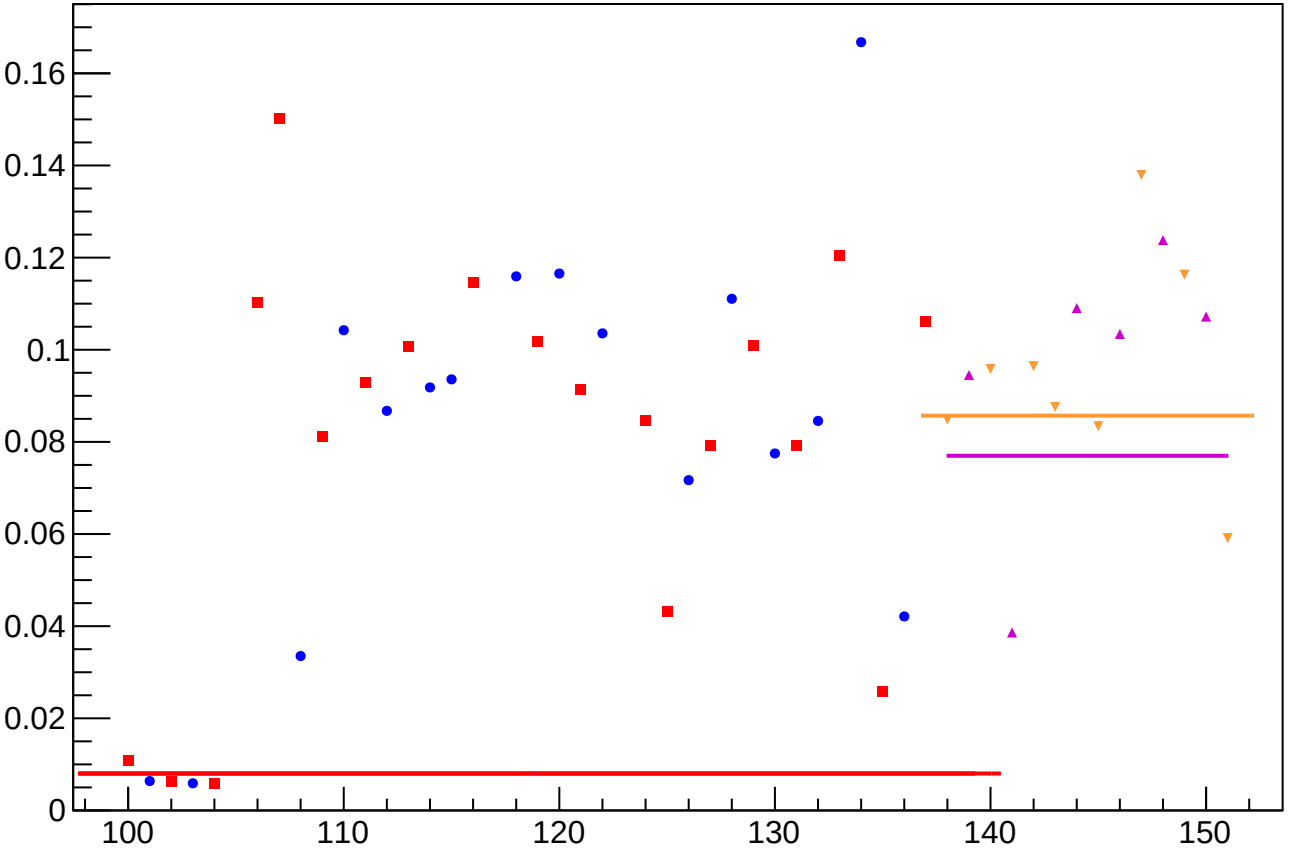
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.235+/-0.000 χ^2/NDF:4171627704.4/21

Out: 3.260+/-0.000 χ^2/NDF:4658525217.6/26

All: 3.247+/-0.000 χ^2/NDF: 8840380814.2/48

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.086+/-0.000 χ^2/NDF:594511.3/7

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.077+/-0.000 χ^2/NDF:1353010.9/5

Left: 0.082+/-0.000 χ^2/NDF: 1995814.4/13

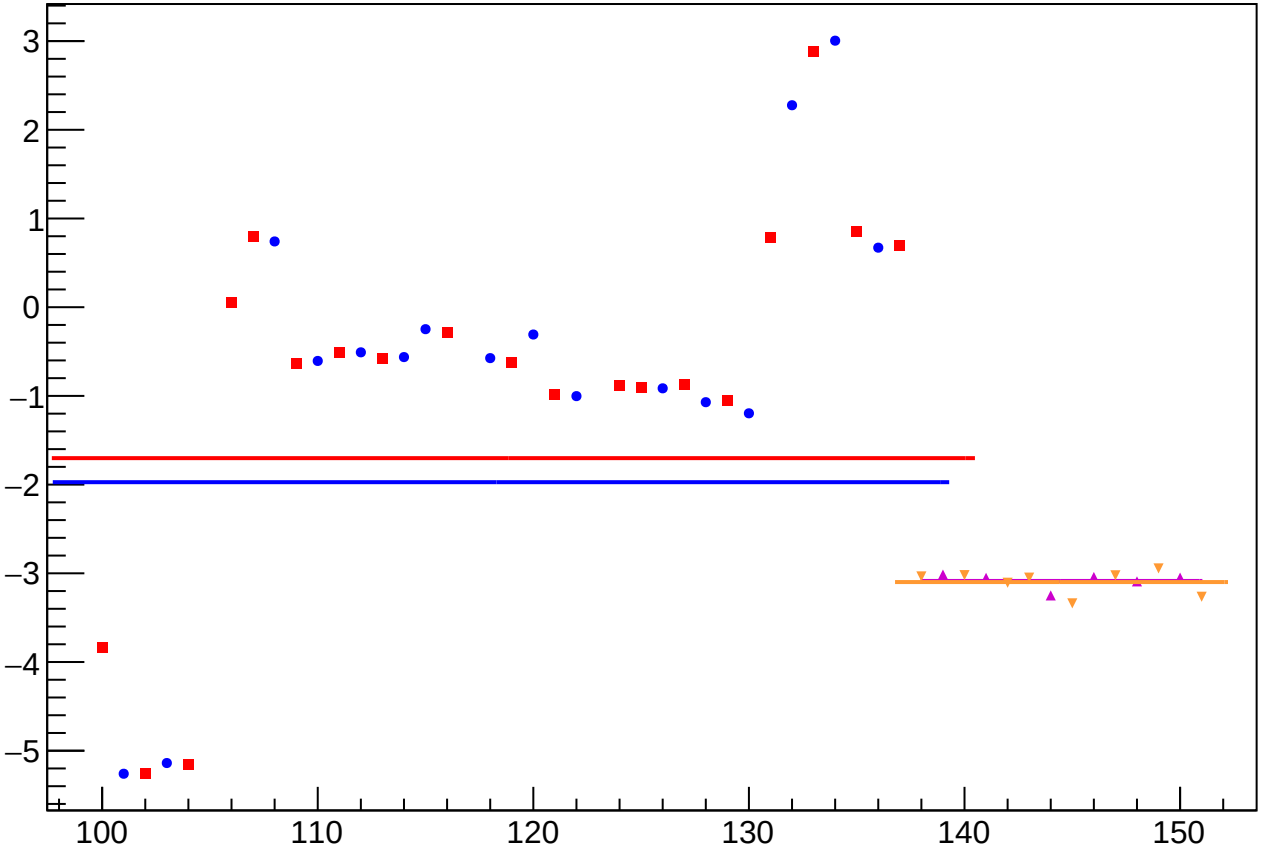
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.009+/-0.000 χ^2/NDF:15180384.6/21

Out: 0.010+/-0.000 χ^2/NDF:17473290.4/26

All: 0.010+/-0.000 χ^2/NDF: 32663535.5/48

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.099+/-0.000 χ^2/NDF:1531798291.0/7

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -3.086+/-0.000 χ^2/NDF:522469992.3/5

Left: -3.093+/-0.000 χ^2/NDF: 2060757630.5/13

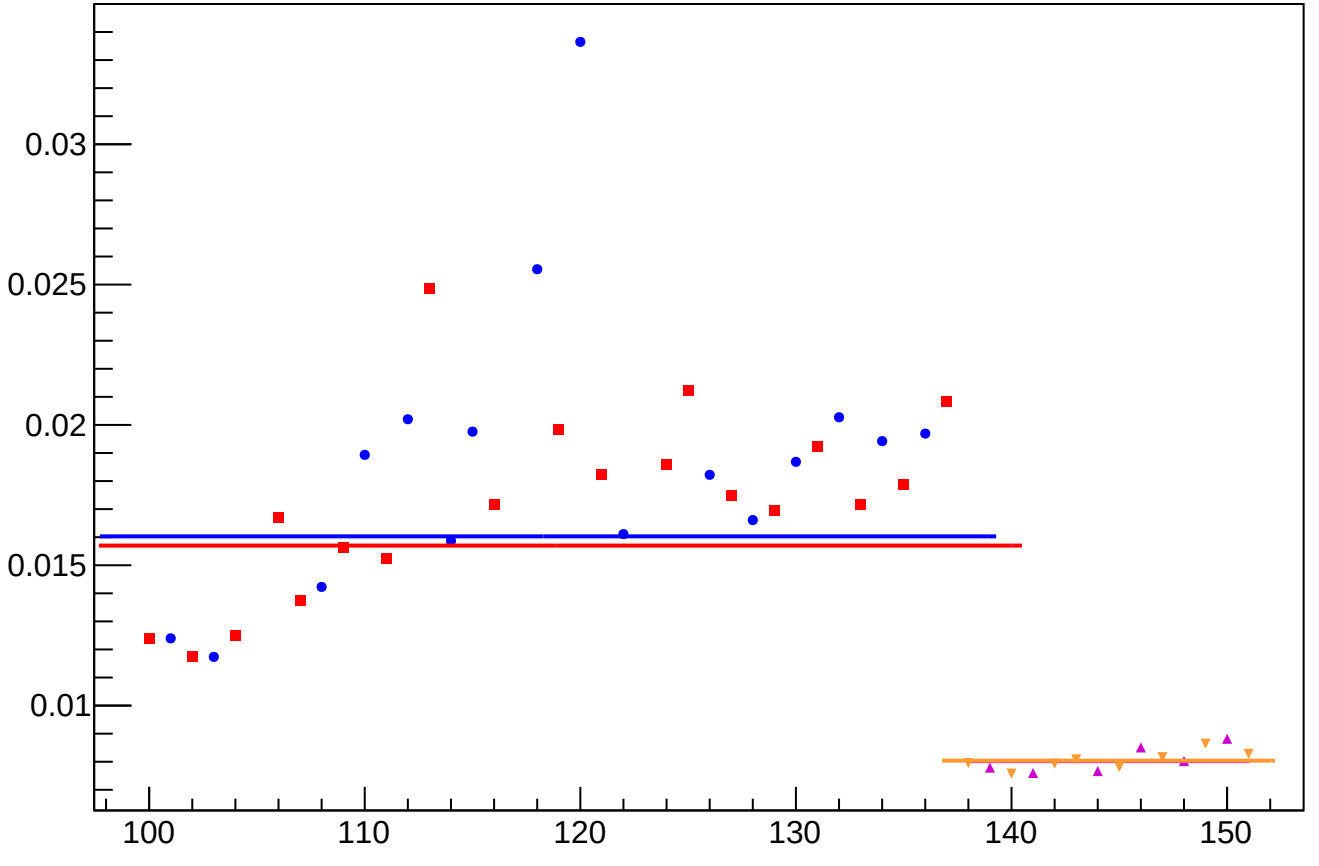
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.836+/-0.000 χ^2/NDF:184283077369.0/21

Out: -2.791+/-0.000 χ^2/NDF:209000309290.0/26

All: -2.812+/-0.000 χ^2/NDF: 393394962131.5

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:17291.8/7

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:30123.8/5

Left: 0.008+/-0.000 χ^2/NDF: 47442.4/13

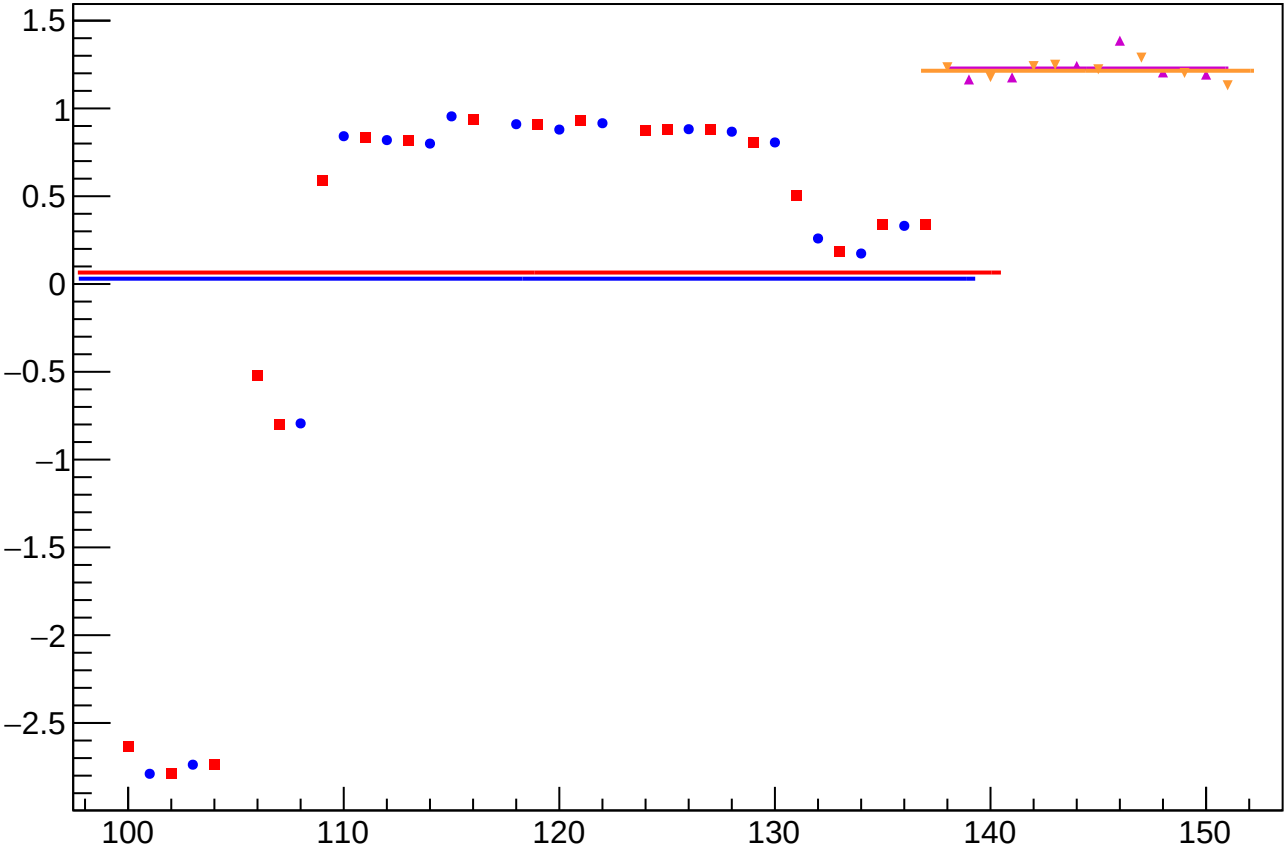
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:3019875.9/21

Out: 0.010+/-0.000 χ^2/NDF:2887186.8/26

All: 0.010+/-0.000 χ^2/NDF: 5907984.8/48

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 1.215+/-0.000 χ^2/NDF:188299195.8/7

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 1.227+/-0.000 χ^2/NDF:356249713.7/5

Left: 1.220+/-0.000 χ^2/NDF: 550300190.7/13

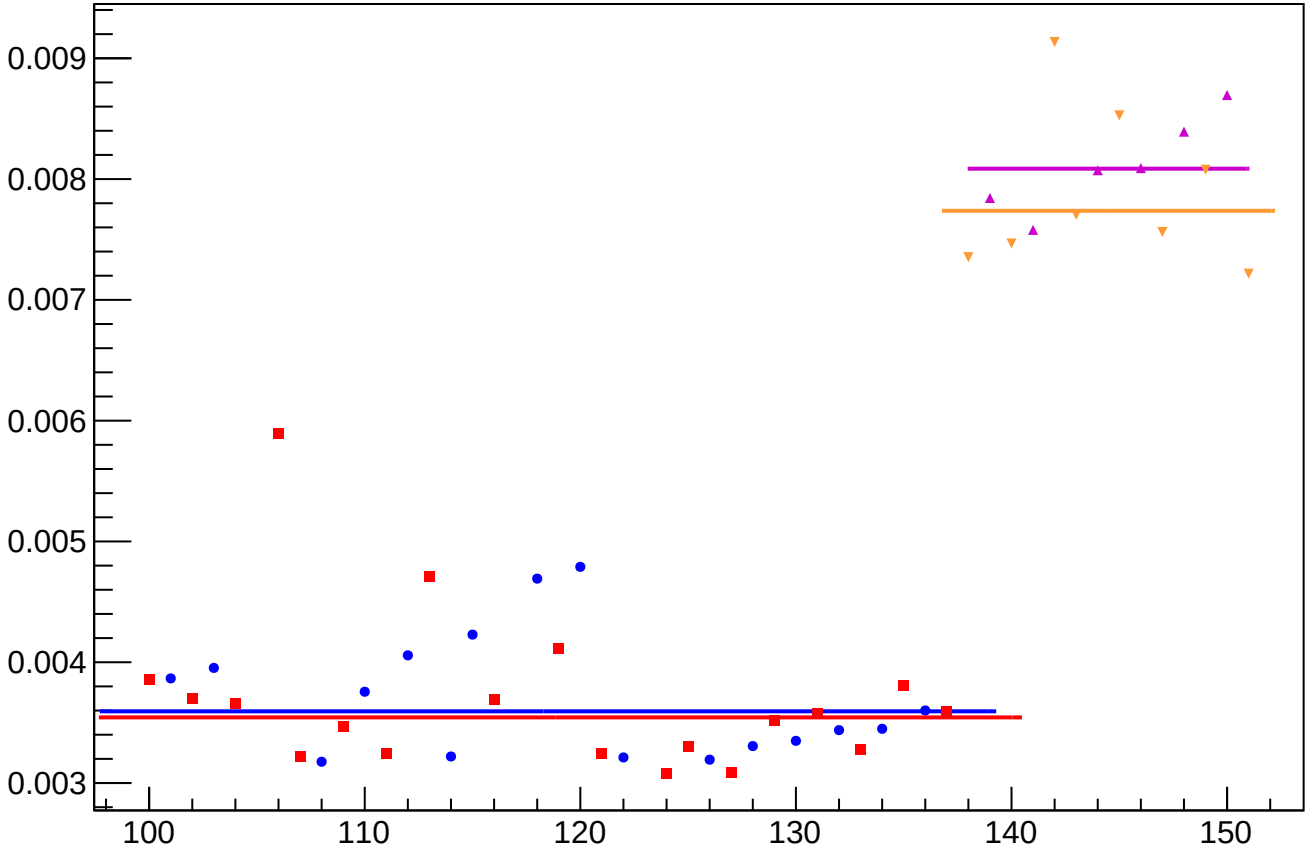
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.162+/-0.000 χ^2/NDF:934089717906.0/21

Out: 0.210+/-0.000 χ^2/NDF:1028594281867.5/26

All: 0.187+/-0.000 χ^2/NDF: 1963388378928.

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:42847.7/7

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:16549.5/5

Left: 0.008+/-0.000 χ^2/NDF: 68087.1/13

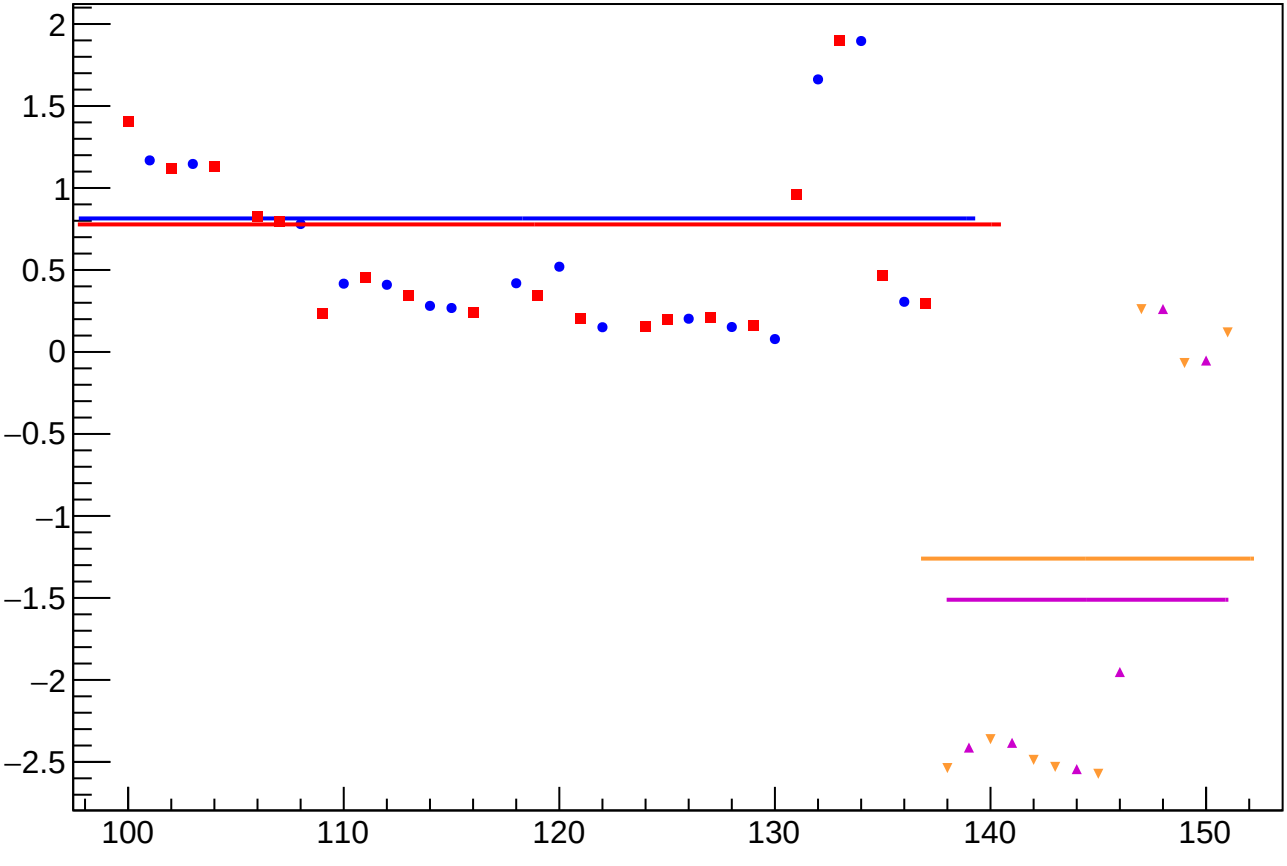
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:2508231.5/21

Out: 0.004+/-0.000 χ^2/NDF:2742566.4/26

All: 0.004+/-0.000 χ^2/NDF: 5250970.4/48

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -1.260+/-0.000 χ^2/NDF:186163090718.9/7

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -1.511+/-0.000 χ^2/NDF:112566689601.5/5

Left: -1.371+/-0.000 χ^2/NDF: 301818621041.1/13

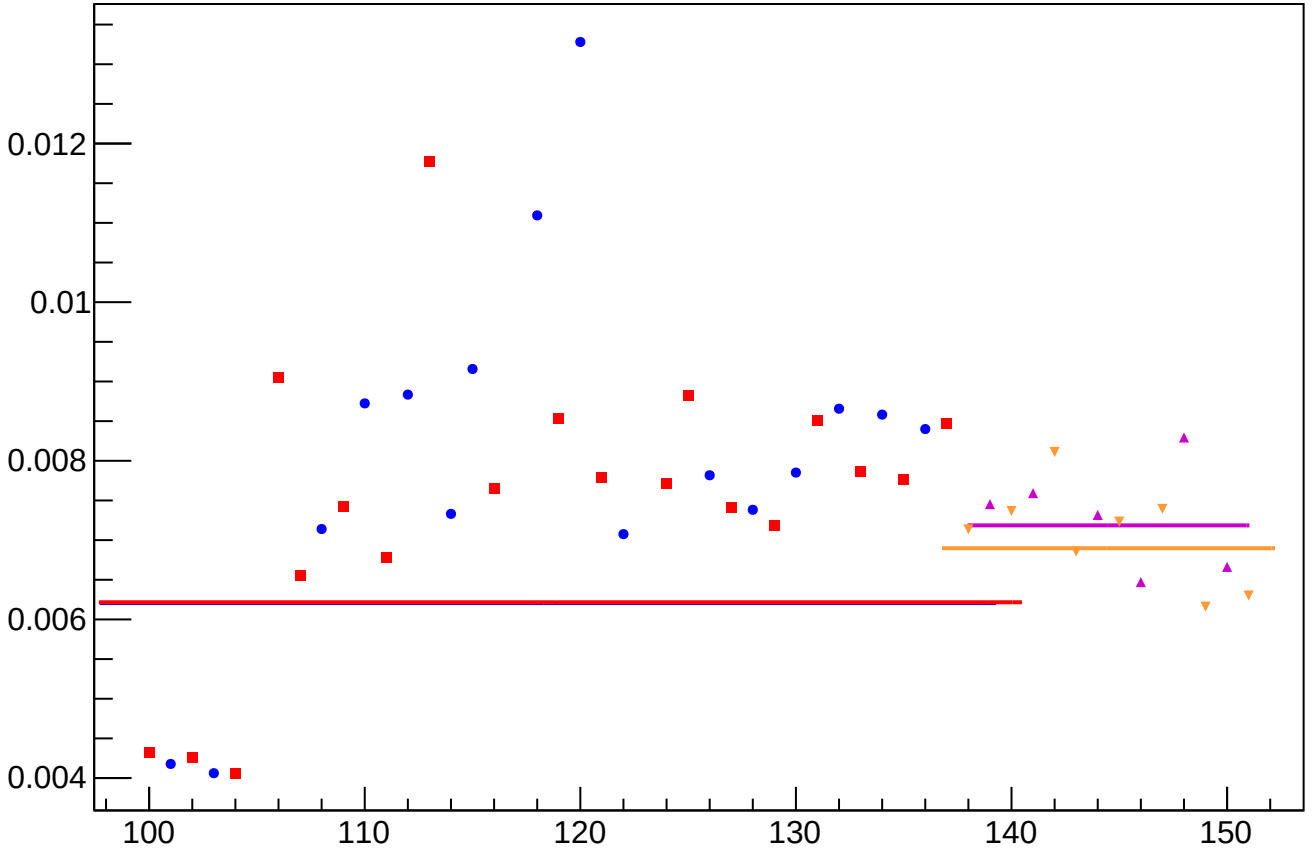
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: -0.067+/-0.000 χ^2/NDF:443812377975.2/21

Out: -0.070+/-0.000 χ^2/NDF:489377323413.7/26

All: -0.069+/-0.000 χ^2/NDF: 933190640157.9

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:68611.3/7

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:63105.1/5

Left: 0.007+/-0.000 χ^2/NDF: 139864.6/13

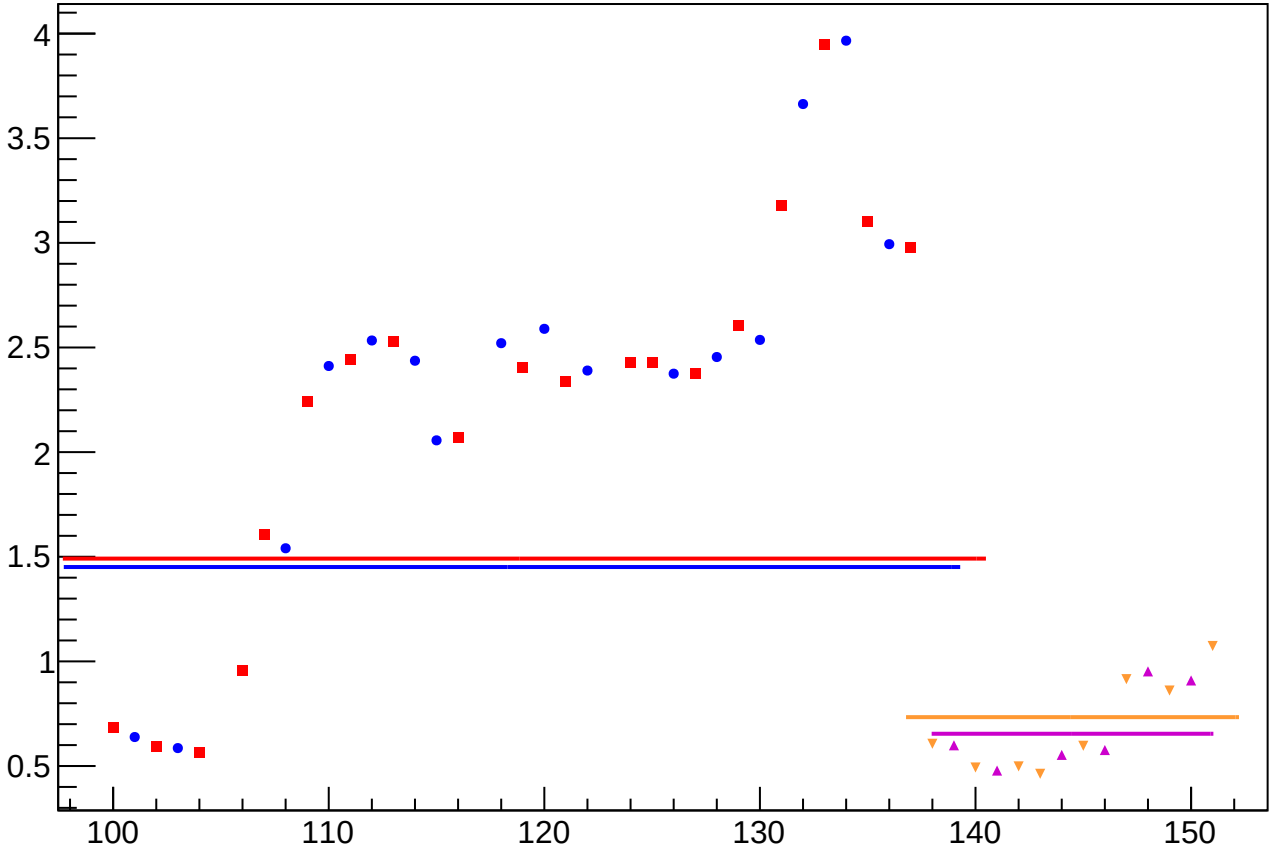
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.007+/-0.000 χ^2/NDF:1592043.5/21

Out: 0.006+/-0.000 χ^2/NDF:1289781.0/26

All: 0.007+/-0.000 χ^2/NDF: 2883322.0/48

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 0.734+/-0.000 χ^2/NDF:5708413397.4/7

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 0.654+/-0.000 χ^2/NDF:2333950166.5/5

Left: 0.700+/-0.000 χ^2/NDF: 8327273530.0/13

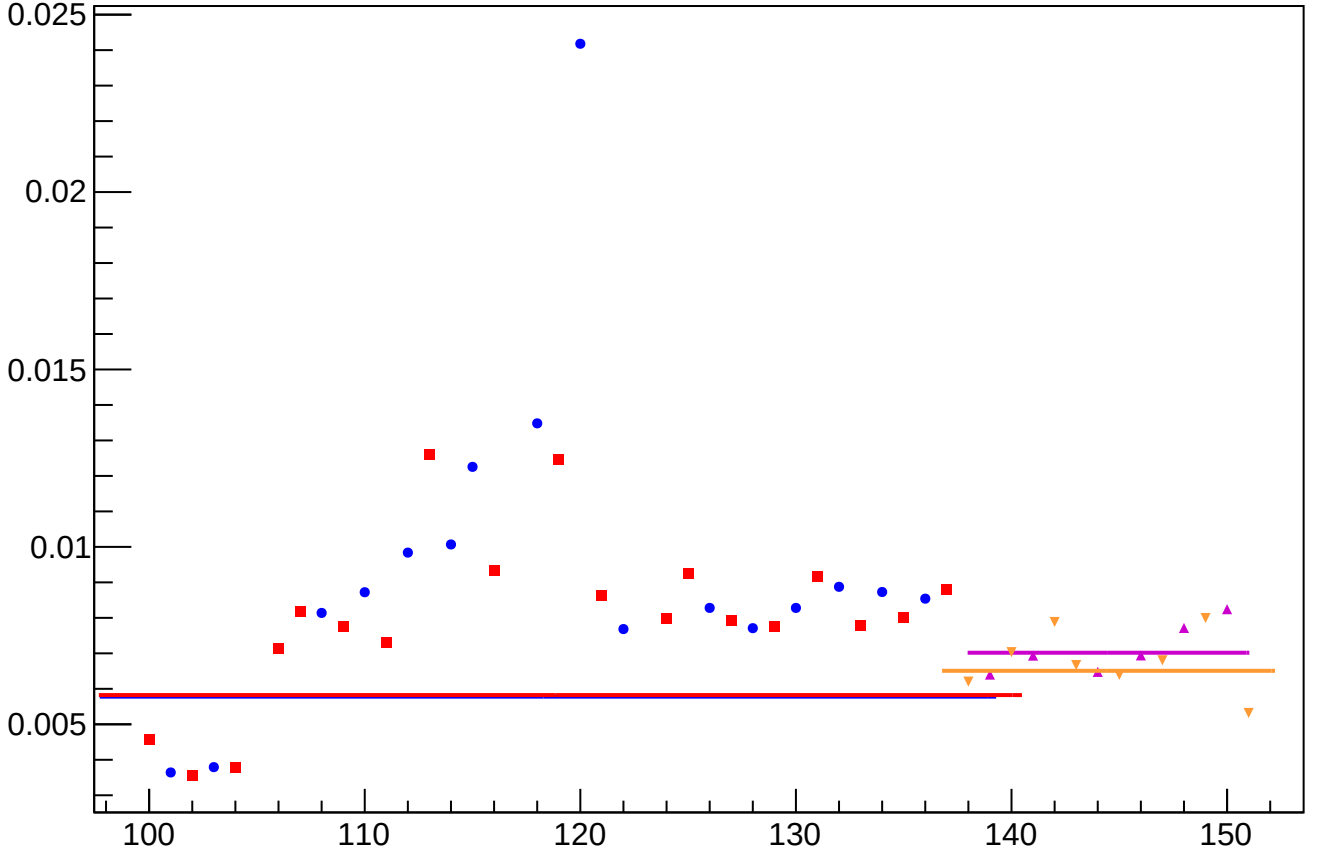
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.175+/-0.000 χ^2/NDF:204843674180.9/21

Out: 1.191+/-0.000 χ^2/NDF:229318765708.1/26

All: 1.184+/-0.000 χ^2/NDF: 434193425369.7

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:140526.9/7

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.007+/-0.000 χ^2/NDF:61983.7/5

Left: 0.007+/-0.000 χ^2/NDF: 226022.4/13

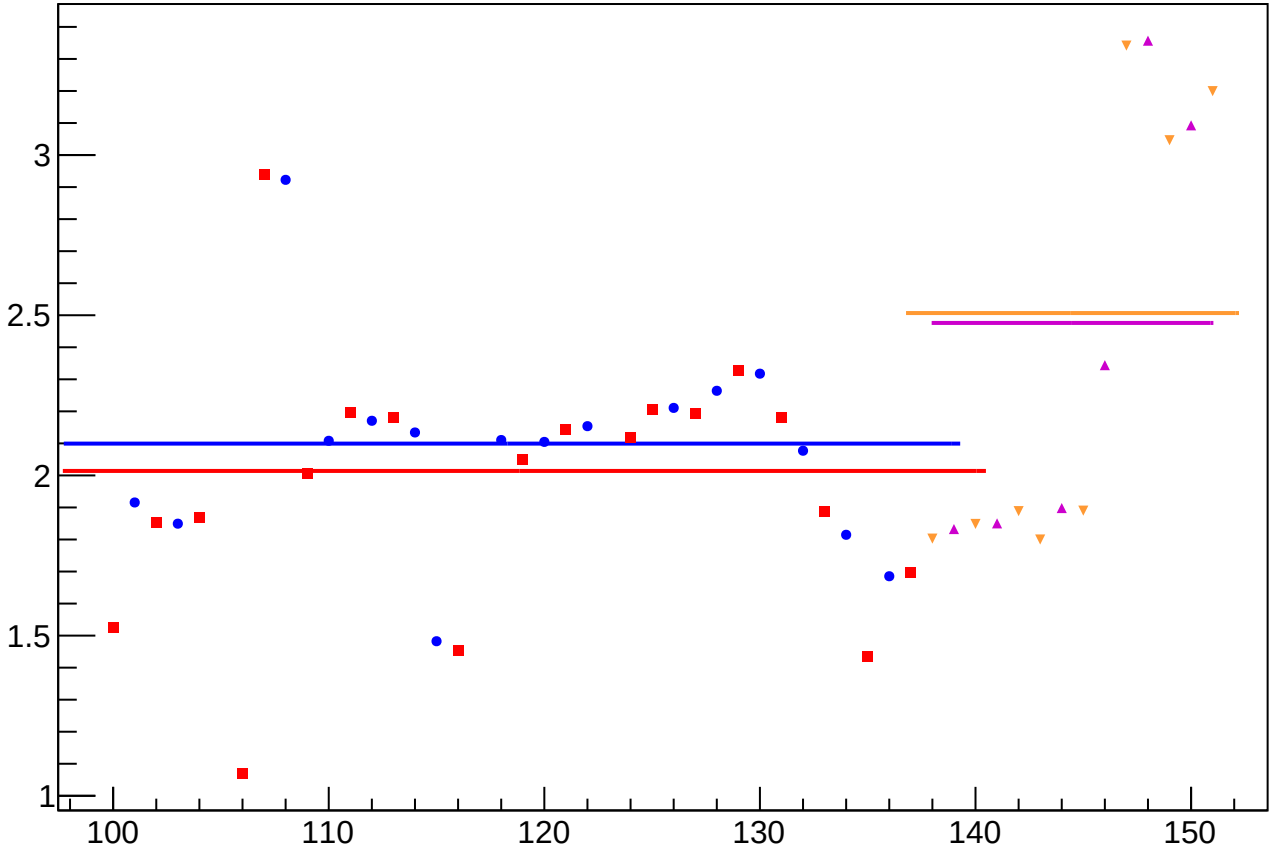
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2434323.5/21

Out: 0.006+/-0.000 χ^2/NDF:2156008.9/26

All: 0.006+/-0.000 χ^2/NDF: 4593514.7/48

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.507+/-0.000 χ^2/NDF:38225478327.7/7

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.476+/-0.000 χ^2/NDF:26975847513.0/5

Left: 2.493+/-0.000 χ^2/NDF: 65237140078.9/13

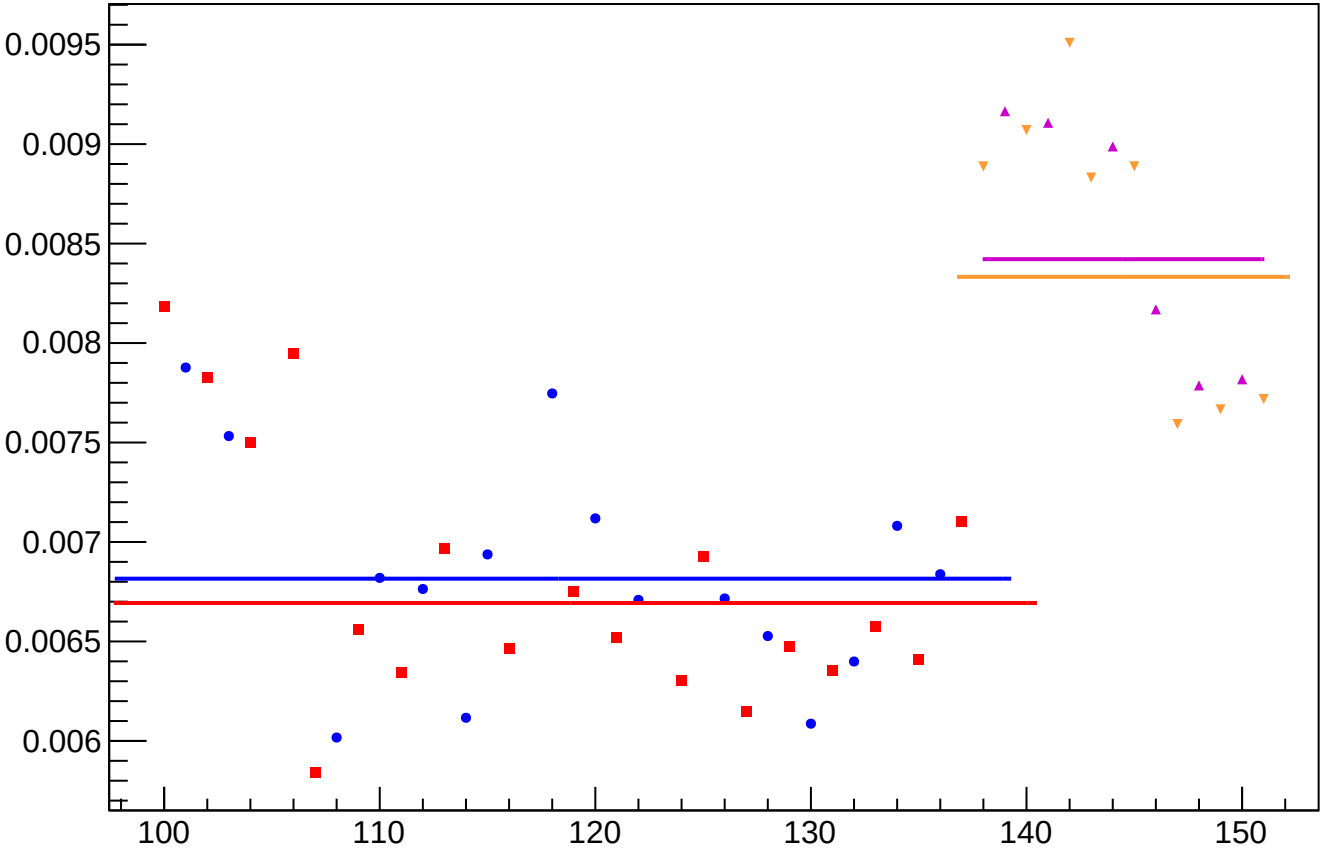
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.220+/-0.000 χ^2/NDF:47594133241.6/21

Out: 2.181+/-0.000 χ^2/NDF:70985318222.7/26

All: 2.200+/-0.000 χ^2/NDF: 118751873040.9

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:75279.6/7

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:48768.0/5

Left: 0.008+/-0.000 χ^2/NDF: 124642.3/13

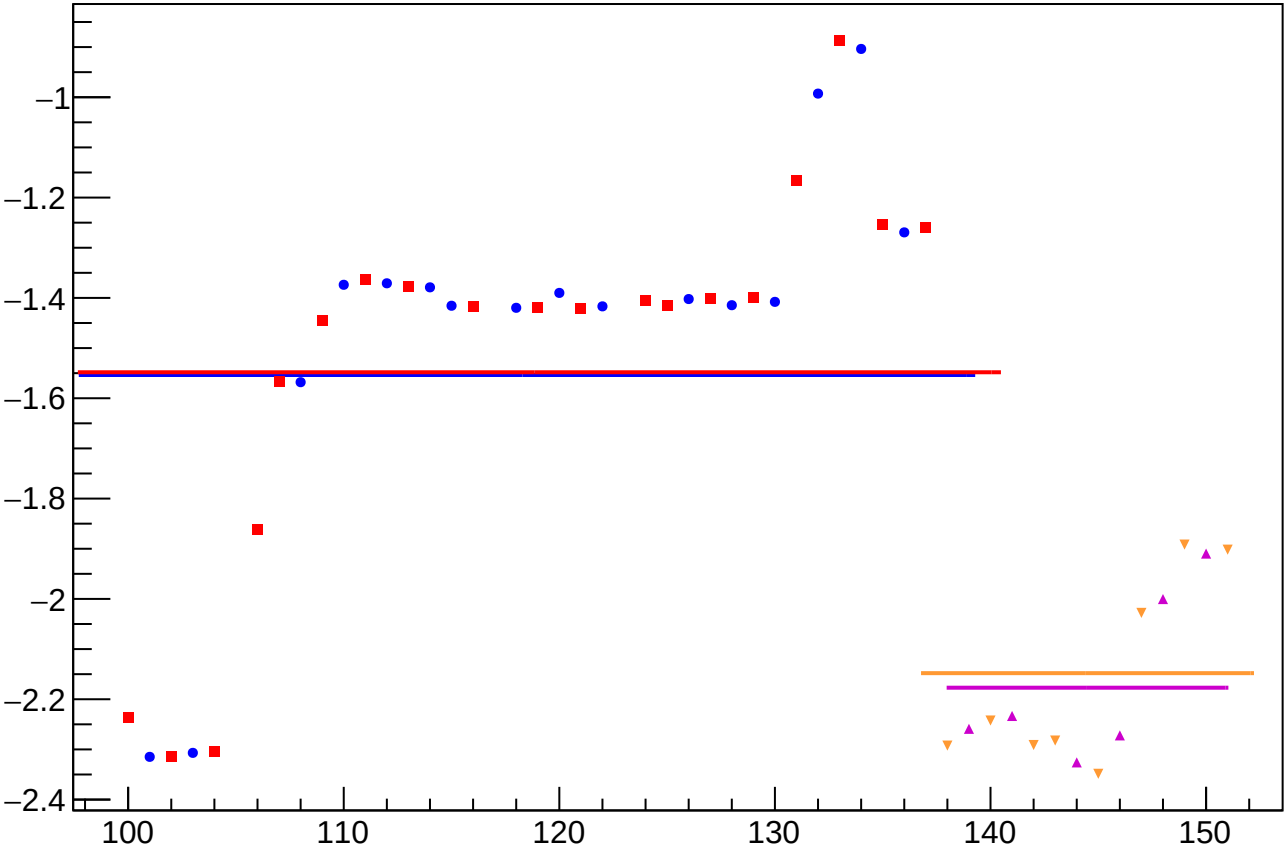
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:378816.7/21

Out: 0.007+/-0.000 χ^2/NDF:454044.5/26

All: 0.007+/-0.000 χ^2/NDF: 834362.2/48

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -2.148+/-0.000 χ^2/NDF:16721699371.7/7

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -2.177+/-0.000 χ^2/NDF:10061350047.7/5

Left: -2.161+/-0.000 χ^2/NDF: 26984009960.3/13

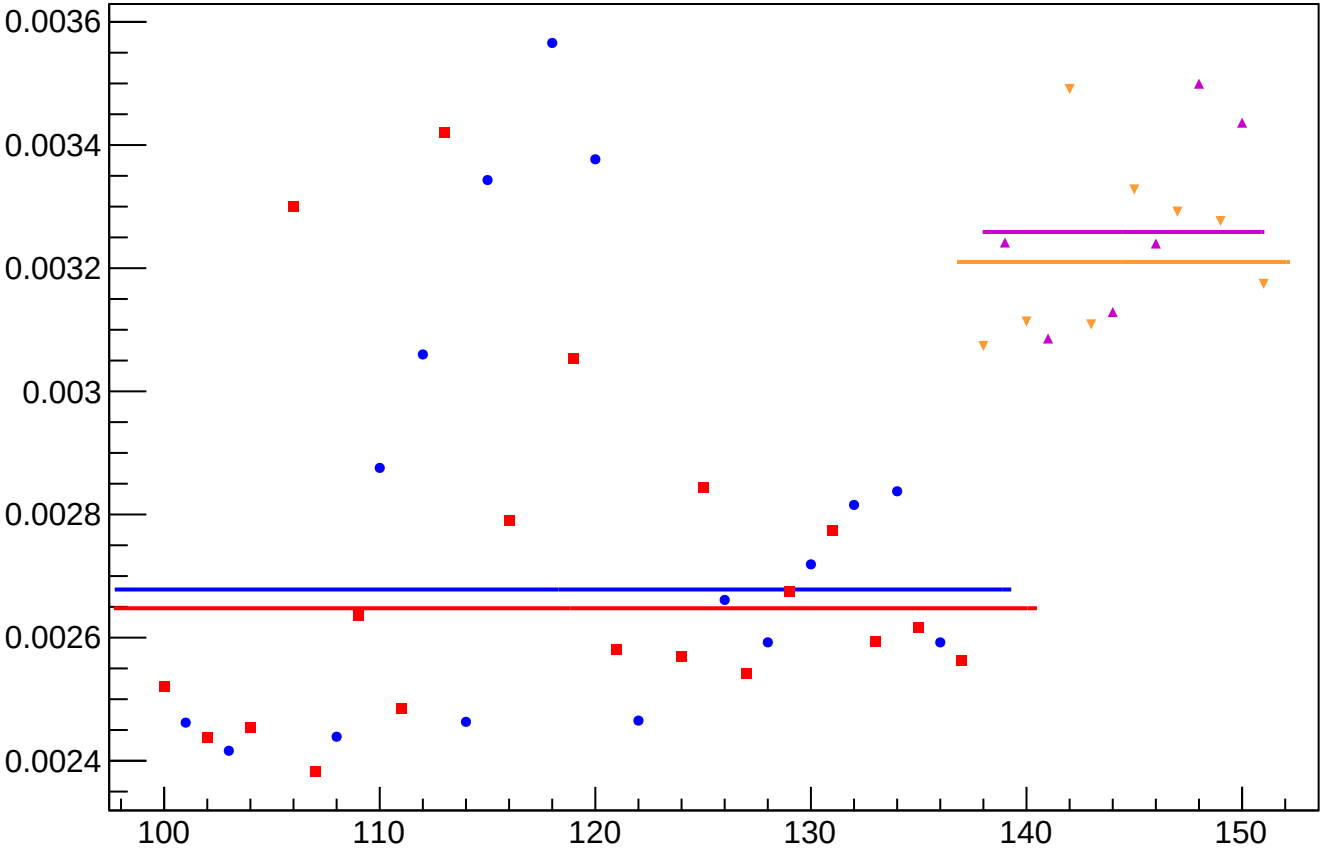
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.753+/-0.000 χ^2/NDF:301300521843.6/21

Out: -1.754+/-0.000 χ^2/NDF:315307165643.0/26

All: -1.754+/-0.000 χ^2/NDF: 616610474869.0

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:14073.9/7

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:19414.9/5

Left: 0.003+/-0.000 χ^2/NDF: 34624.0/13

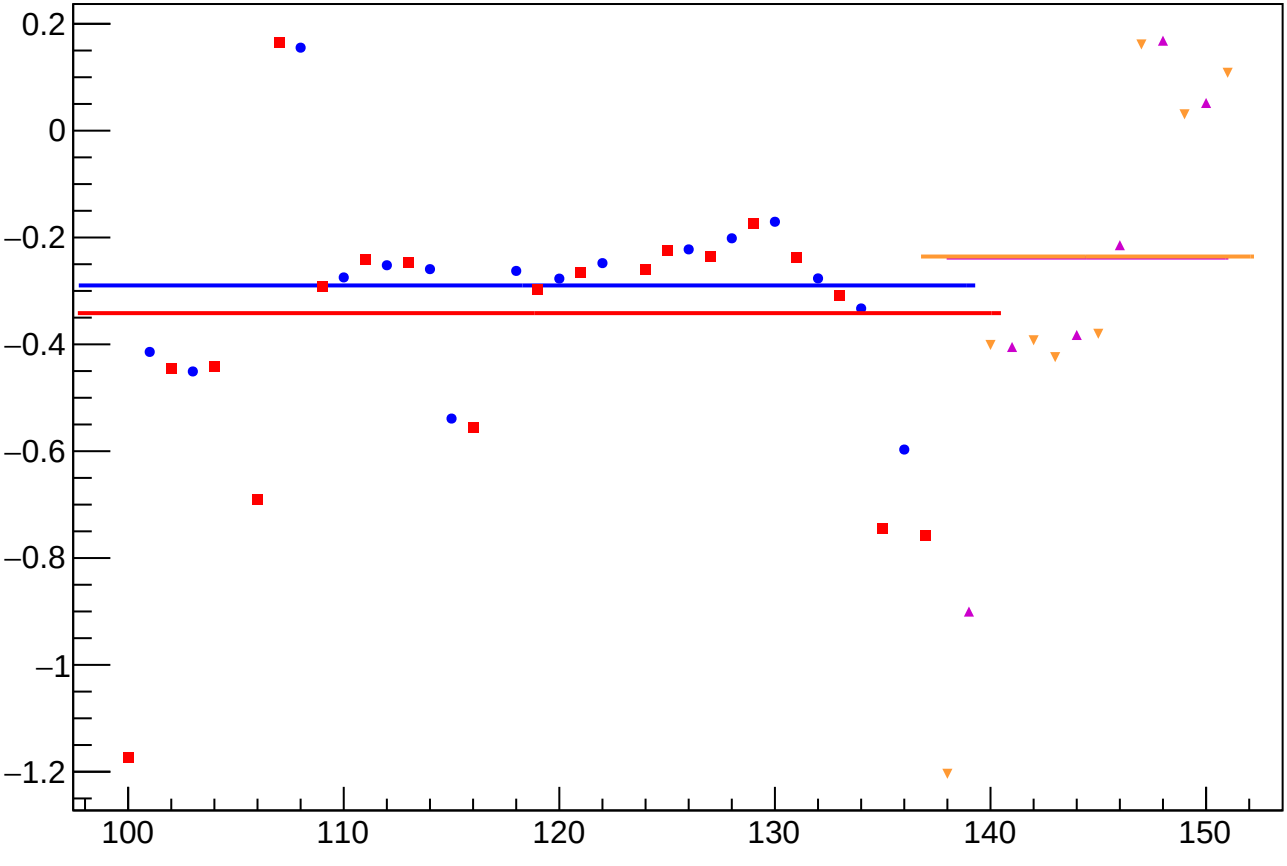
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:378703.8/21

Out: 0.003+/-0.000 χ^2/NDF:347983.8/26

All: 0.003+/-0.000 χ^2/NDF: 727408.4/48

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.236+/-0.000 χ^2/NDF:5031722916.7/7

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.238+/-0.000 χ^2/NDF:2952167222.5/5

Left: -0.237+/-0.000 χ^2/NDF: 7983944319.4/13

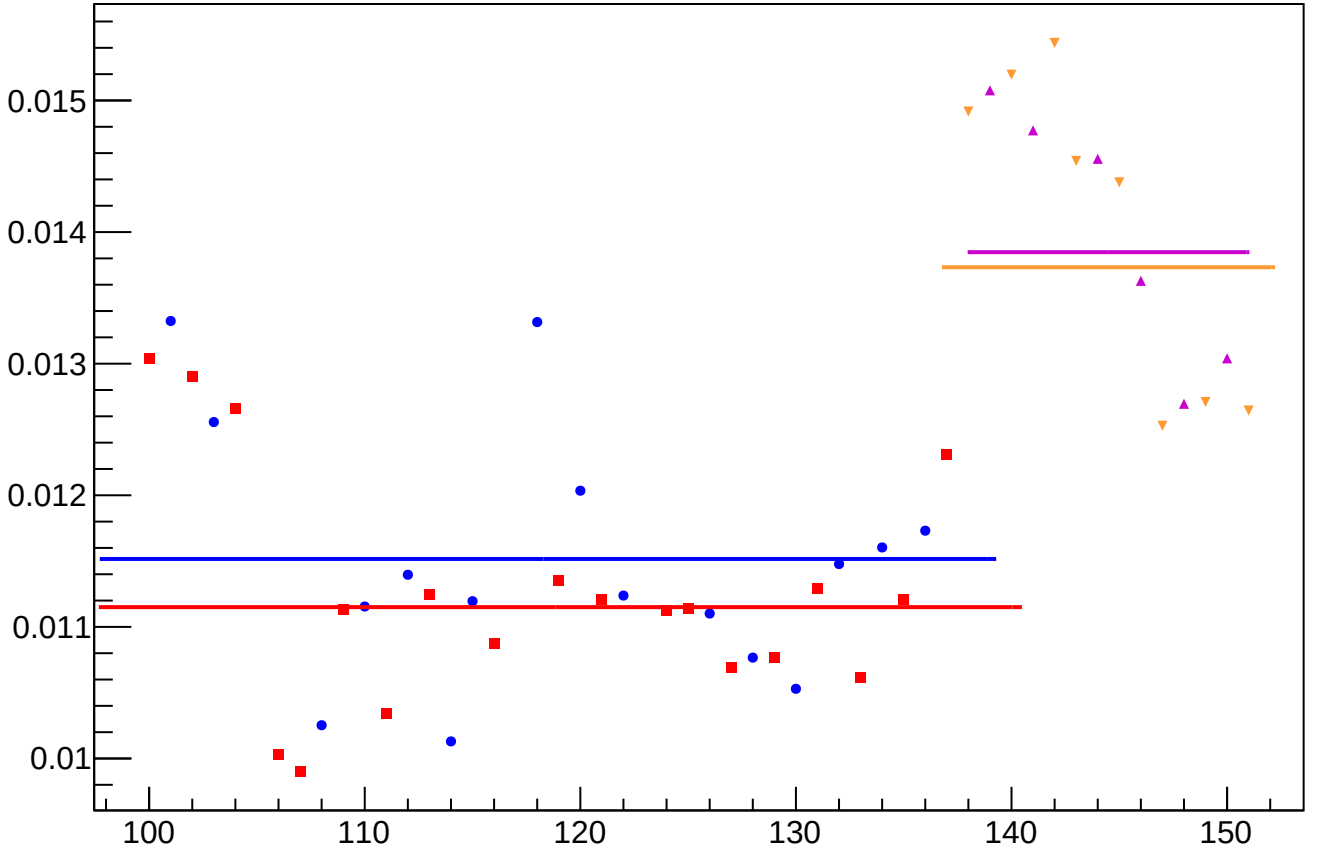
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.273+/-0.000 χ^2/NDF:4643860727.9/21

Out: -0.305+/-0.000 χ^2/NDF:7864927819.6/26

All: -0.290+/-0.000 χ^2/NDF: 12553138754.9/

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:77310.9/7

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.014+/-0.000 χ^2/NDF:40871.4/5

Left: 0.014+/-0.000 χ^2/NDF: 118545.8/13

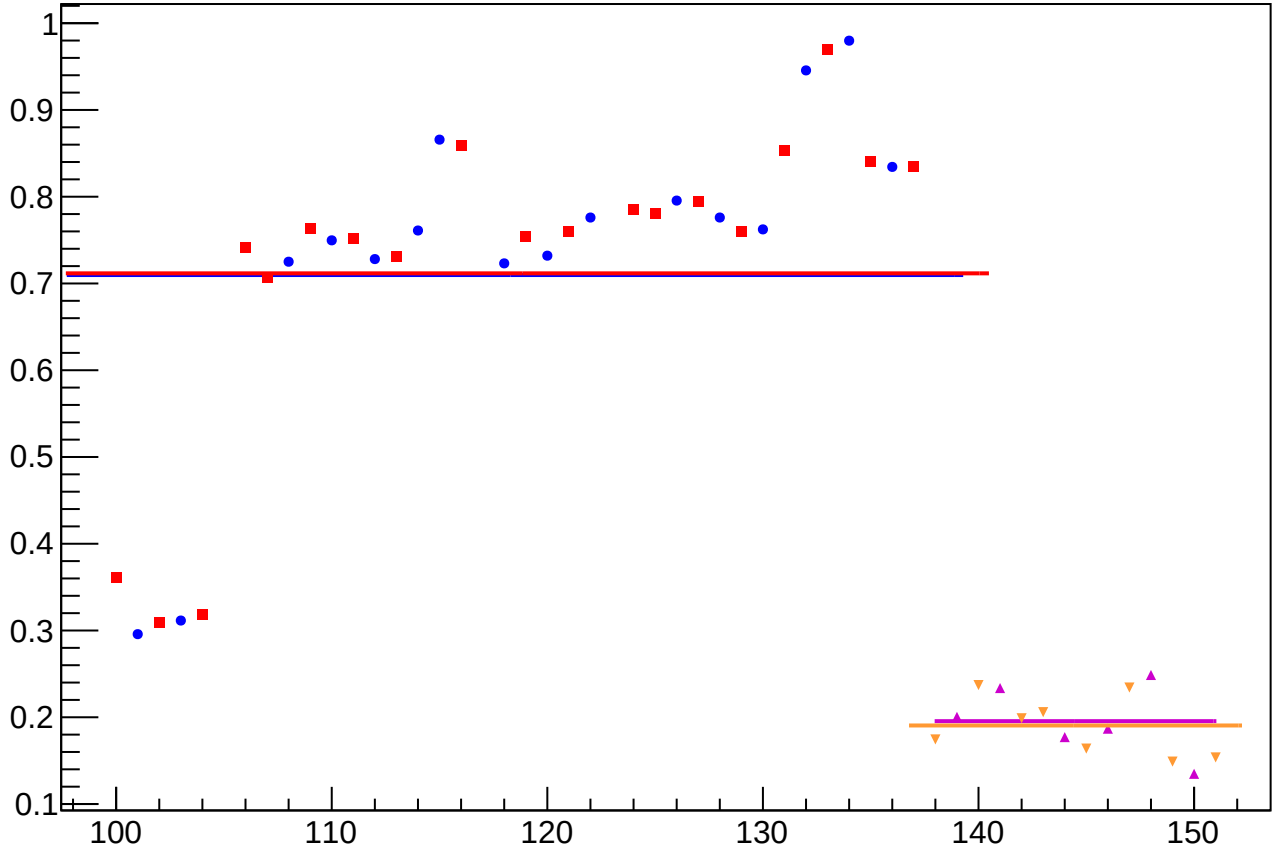
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:311128.1/21

Out: 0.012+/-0.000 χ^2/NDF:413914.4/26

All: 0.012+/-0.000 χ^2/NDF: 730151.5/48

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.191+/-0.000 χ^2/NDF:1512795148.0/7

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.196+/-0.000 χ^2/NDF:1571479312.9/5

Left: 0.193+/-0.000 χ^2/NDF: 3099596056.9/13

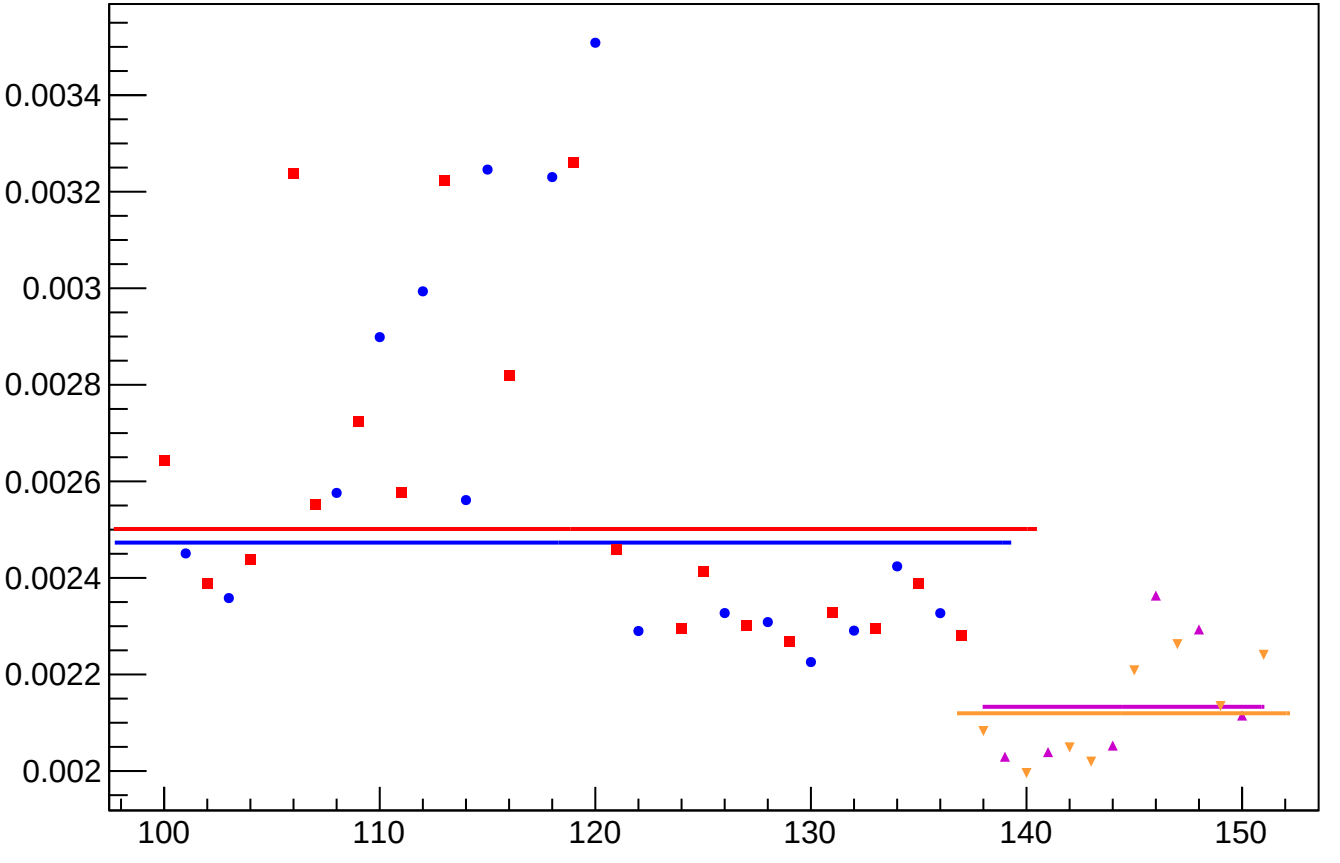
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.450+/-0.000 χ^2/NDF:199551847485.4/21

Out: 0.427+/-0.000 χ^2/NDF:212691761127.0/26

All: 0.438+/-0.000 χ^2/NDF: 412872540132.7

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:25915.1/7

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:35741.6/5

Left: 0.002+/-0.000 χ^2/NDF: 61880.8/13

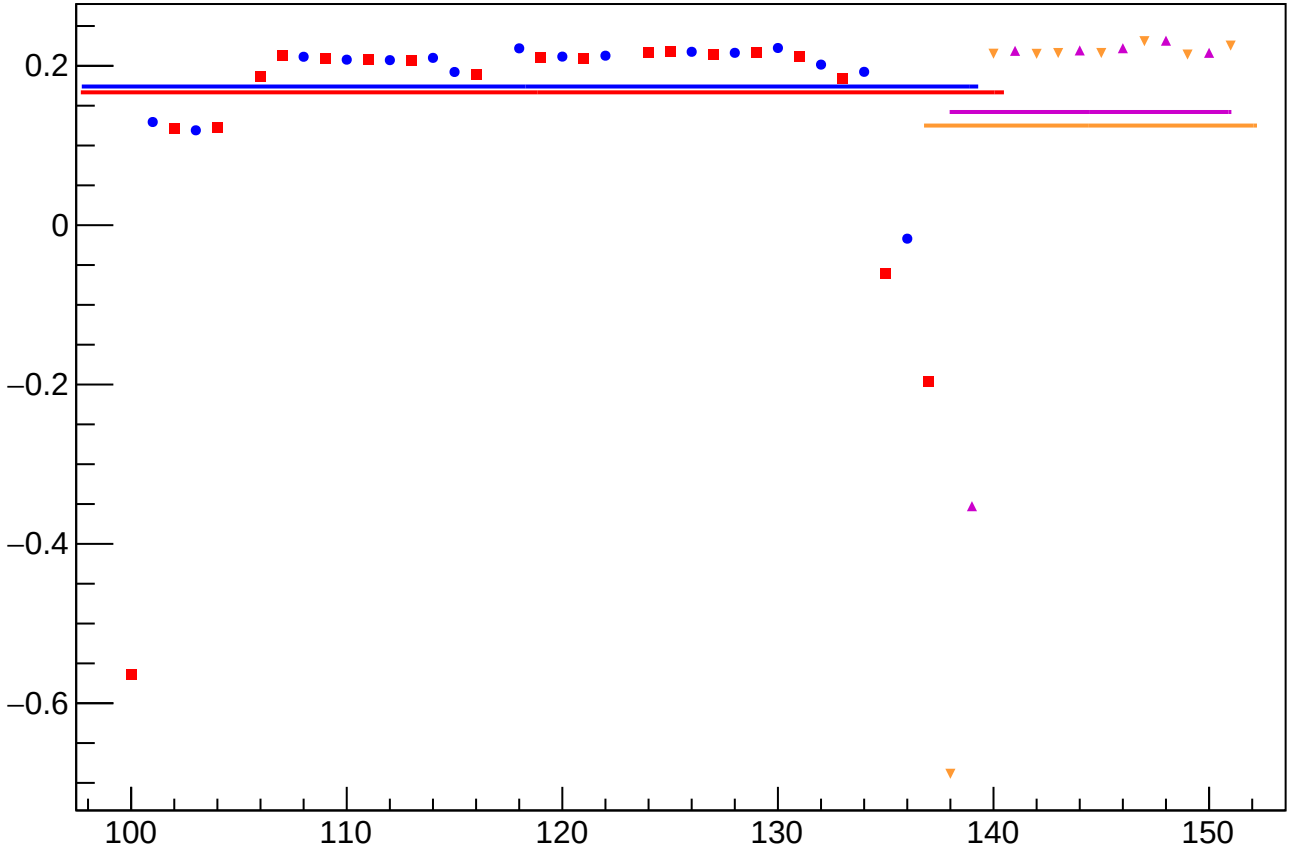
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:374222.4/21

Out: 0.002+/-0.000 χ^2/NDF:382616.4/26

All: 0.002+/-0.000 χ^2/NDF: 757014.3/48

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.125+/-0.000 χ^2/NDF:2878619373.6/7

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.142+/-0.000 χ^2/NDF:1233226102.1/5

Left: 0.133+/-0.000 χ^2/NDF: 4116768313.2/13

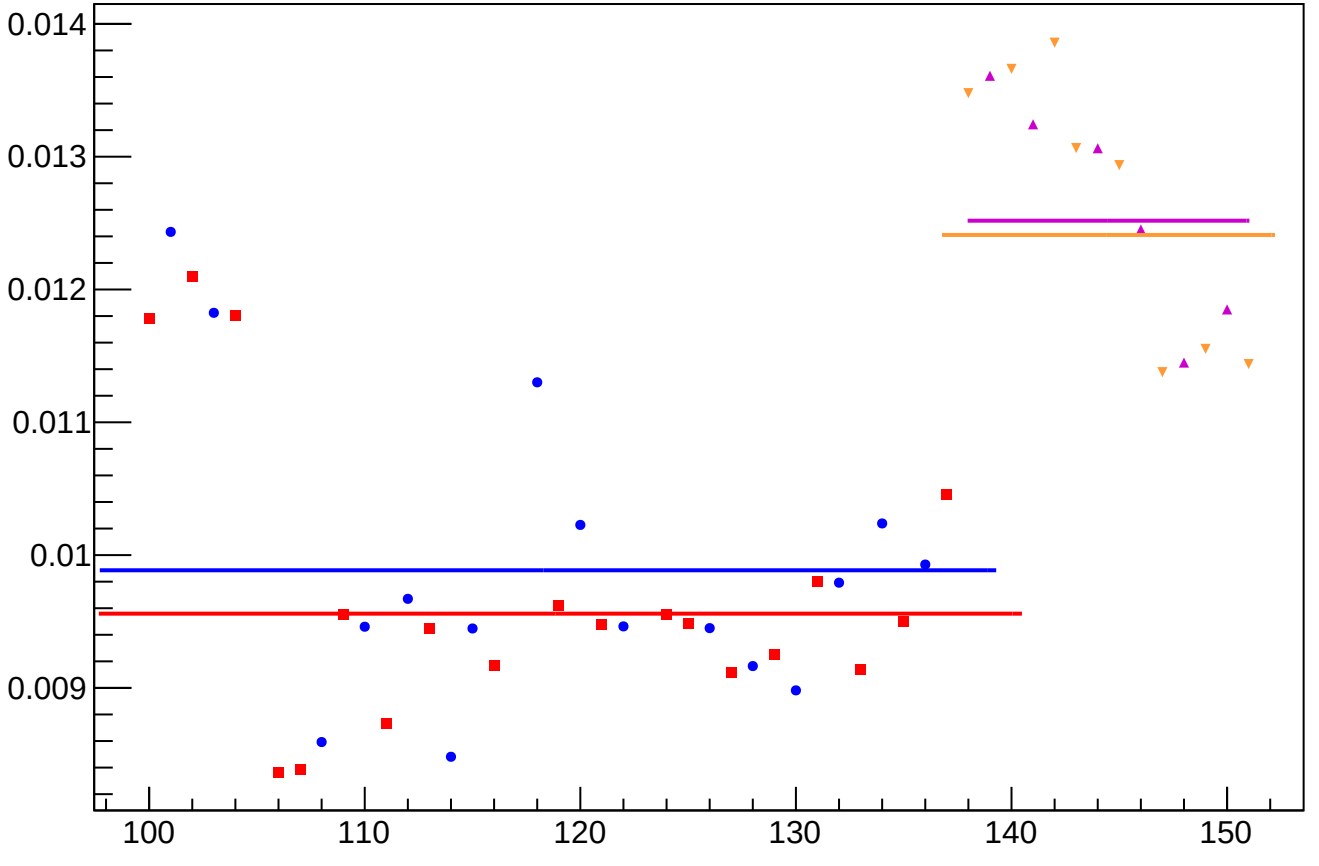
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.164+/-0.000 χ^2/NDF:1657272742.5/21

Out: 0.153+/-0.000 χ^2/NDF:3816688383.6/26

All: 0.158+/-0.000 χ^2/NDF: 5480328947.9/48

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:70247.3/7

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.013+/-0.000 χ^2/NDF:37318.3/5

Left: 0.012+/-0.000 χ^2/NDF: 107956.6/13

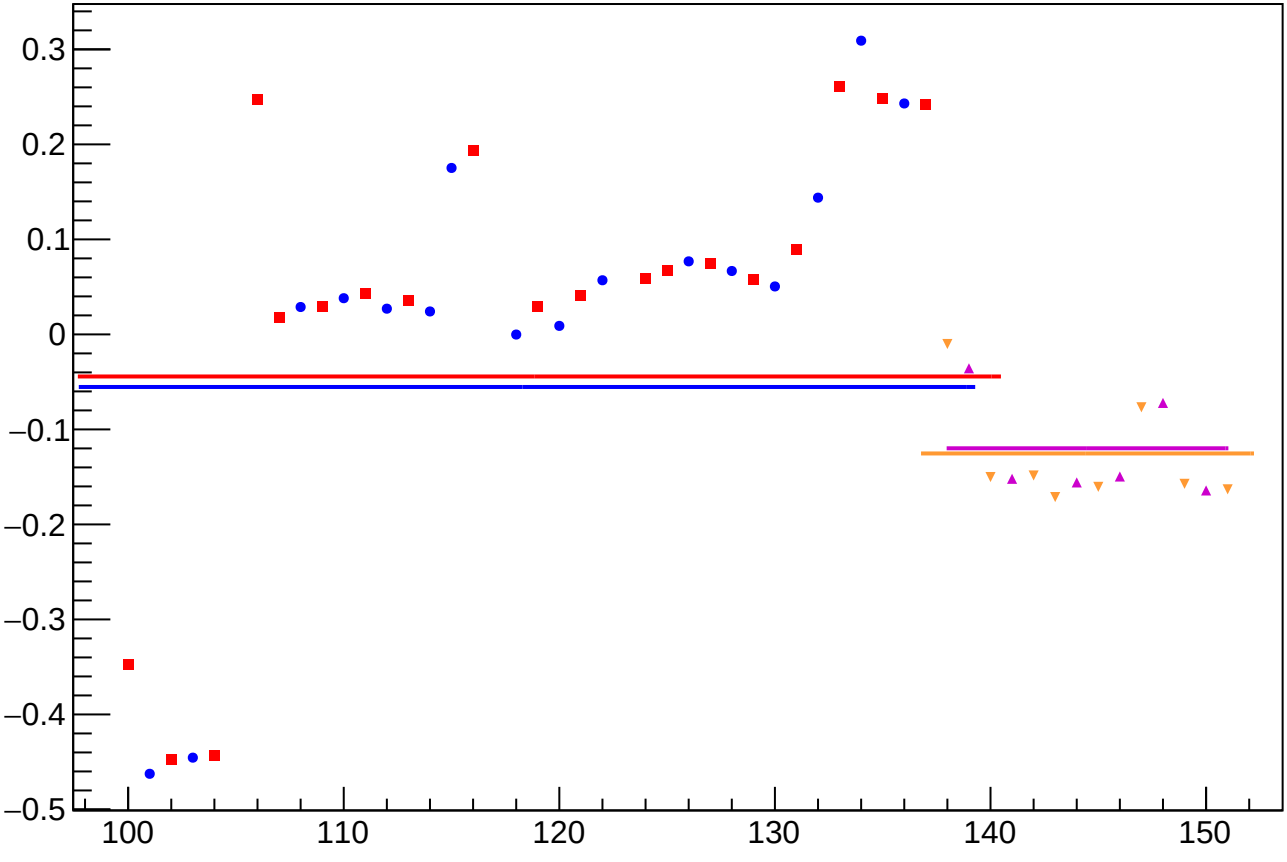
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:485373.4/21

Out: 0.010+/-0.000 χ^2/NDF:617672.9/26

All: 0.011+/-0.000 χ^2/NDF: 1108387.5/48

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.125+/-0.000 χ^2/NDF:1977465066.9/7

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.120+/-0.000 χ^2/NDF:1304634468.8/5

Left: -0.123+/-0.000 χ^2/NDF: 3290295064.5/13

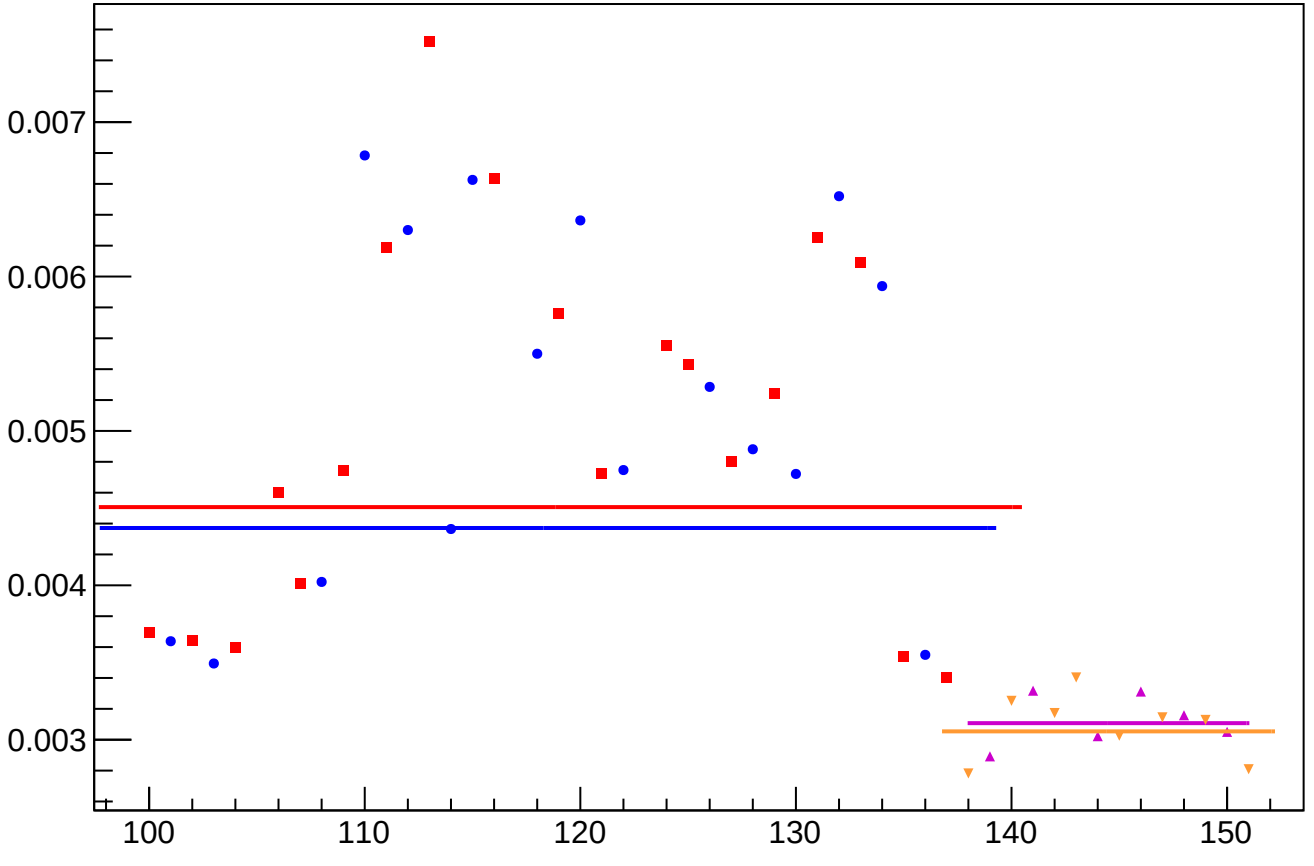
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.095+/-0.000 χ^2/NDF:26200703596.5/21

Out: -0.098+/-0.000 χ^2/NDF:25478575249.3/26

All: -0.096+/-0.000 χ^2/NDF: 51683163961.5/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:50535.9/7

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:23721.0/5

Left: 0.003+/-0.000 χ^2/NDF: 75829.7/13

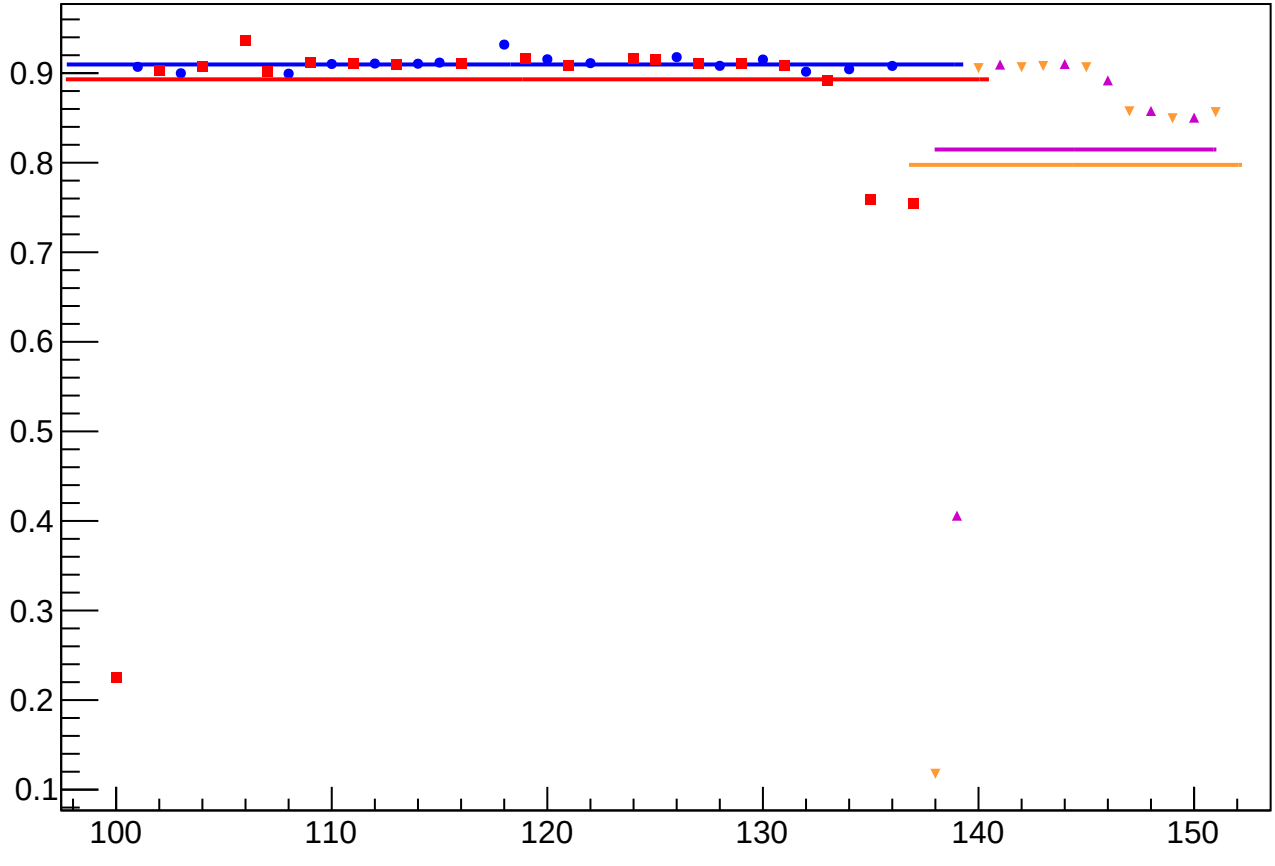
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.004+/-0.000 χ^2/NDF:1308765.5/21

Out: 0.004+/-0.000 χ^2/NDF:1632511.0/26

All: 0.004+/-0.000 χ^2/NDF: 2943520.8/48

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.798+/-0.000 χ^2/NDF:2212920834.5/7

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.815+/-0.000 χ^2/NDF:934311040.6/5

Left: 0.805+/-0.000 χ^2/NDF: 3152583716.8/13

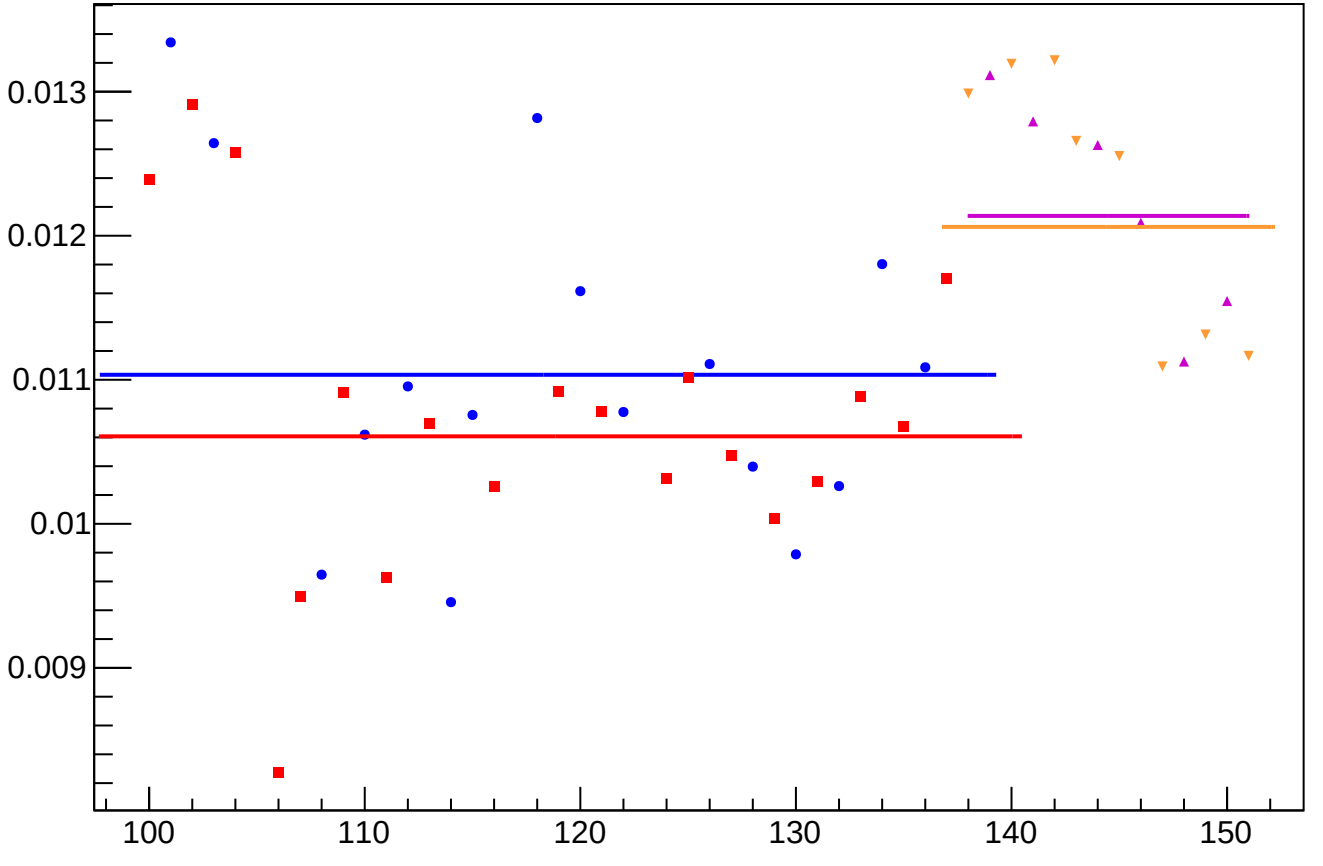
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.874+/-0.000 χ^2/NDF:1126995982.7/21

Out: 0.856+/-0.000 χ^2/NDF:2764730741.9/26

All: 0.865+/-0.000 χ^2/NDF: 3907003659.5/48

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:60166.3/7

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:33539.8/5

Left: 0.012+/-0.000 χ^2/NDF: 93919.1/13

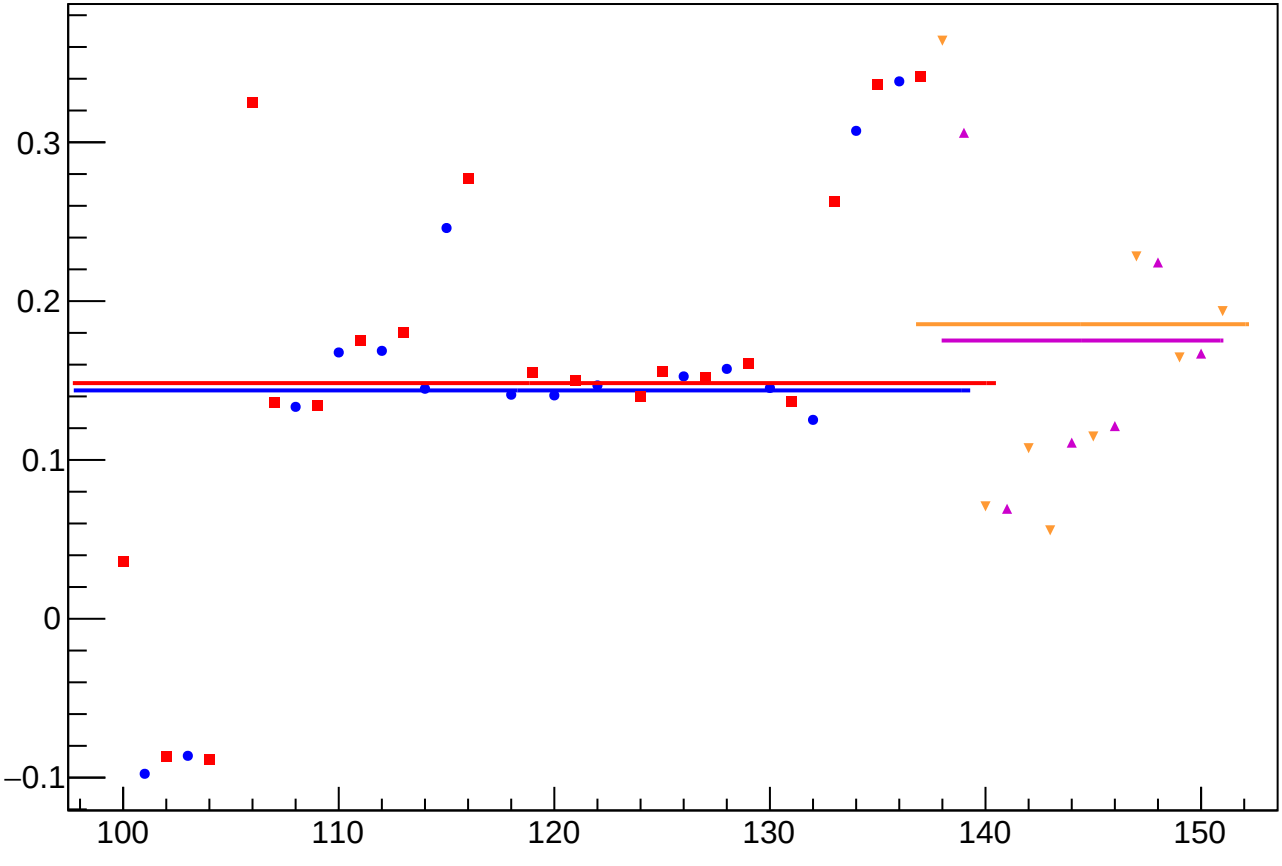
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:215060.4/21

Out: 0.011+/-0.000 χ^2/NDF:307887.4/26

All: 0.011+/-0.000 χ^2/NDF: 530574.4/48

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.185+/-0.000 χ^2/NDF:4098353668.5/7

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.175+/-0.000 χ^2/NDF:2121297031.3/5

Left: 0.181+/-0.000 χ^2/NDF: 6238694815.1/13

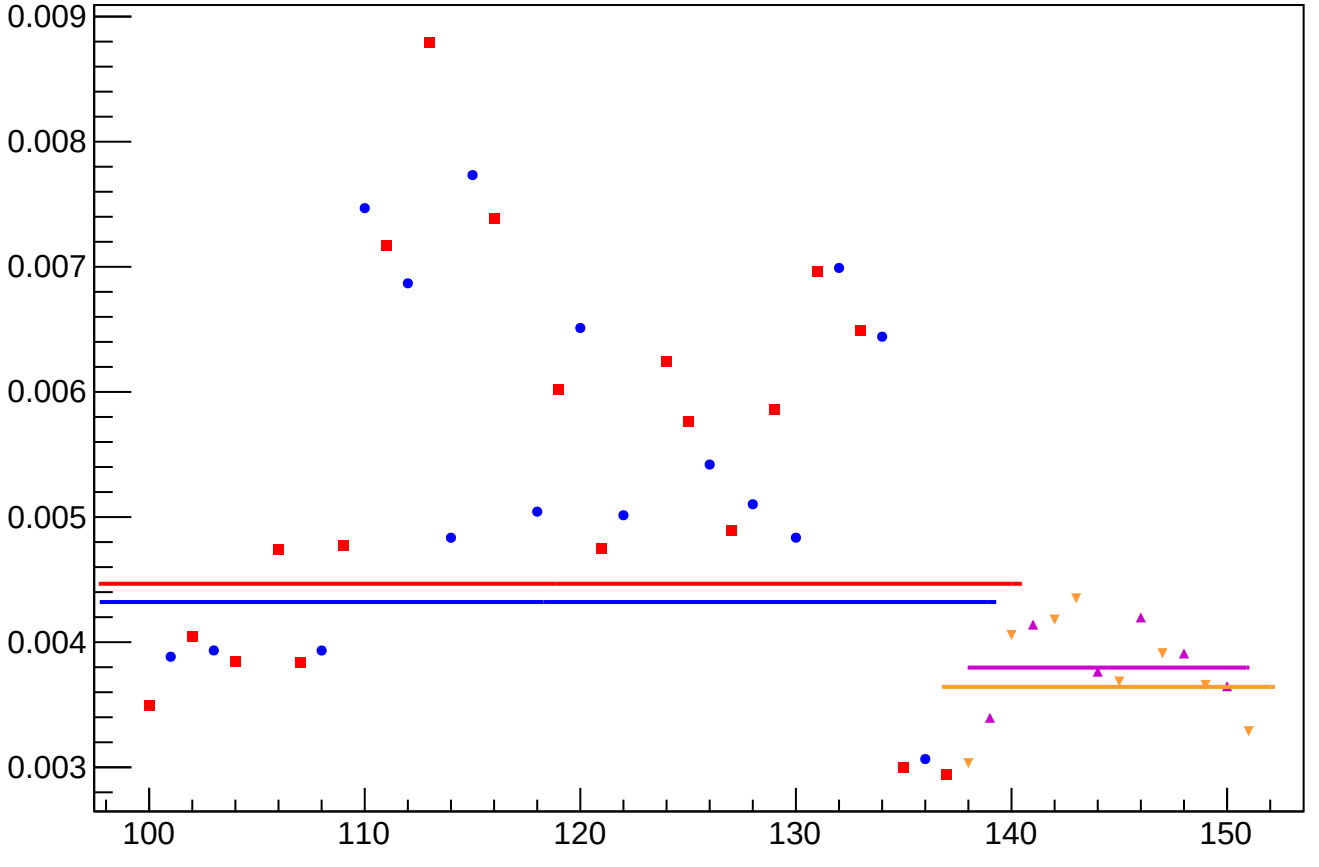
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.160+/-0.000 χ^2/NDF:10143748759.0/21

Out: 0.170+/-0.000 χ^2/NDF:11463991182.2/26

All: 0.165+/-0.000 χ^2/NDF: 21640964744.2/4

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:145972.3/7

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:49679.6/5

Left: 0.004+/-0.000 χ^2/NDF: 204241.0/13

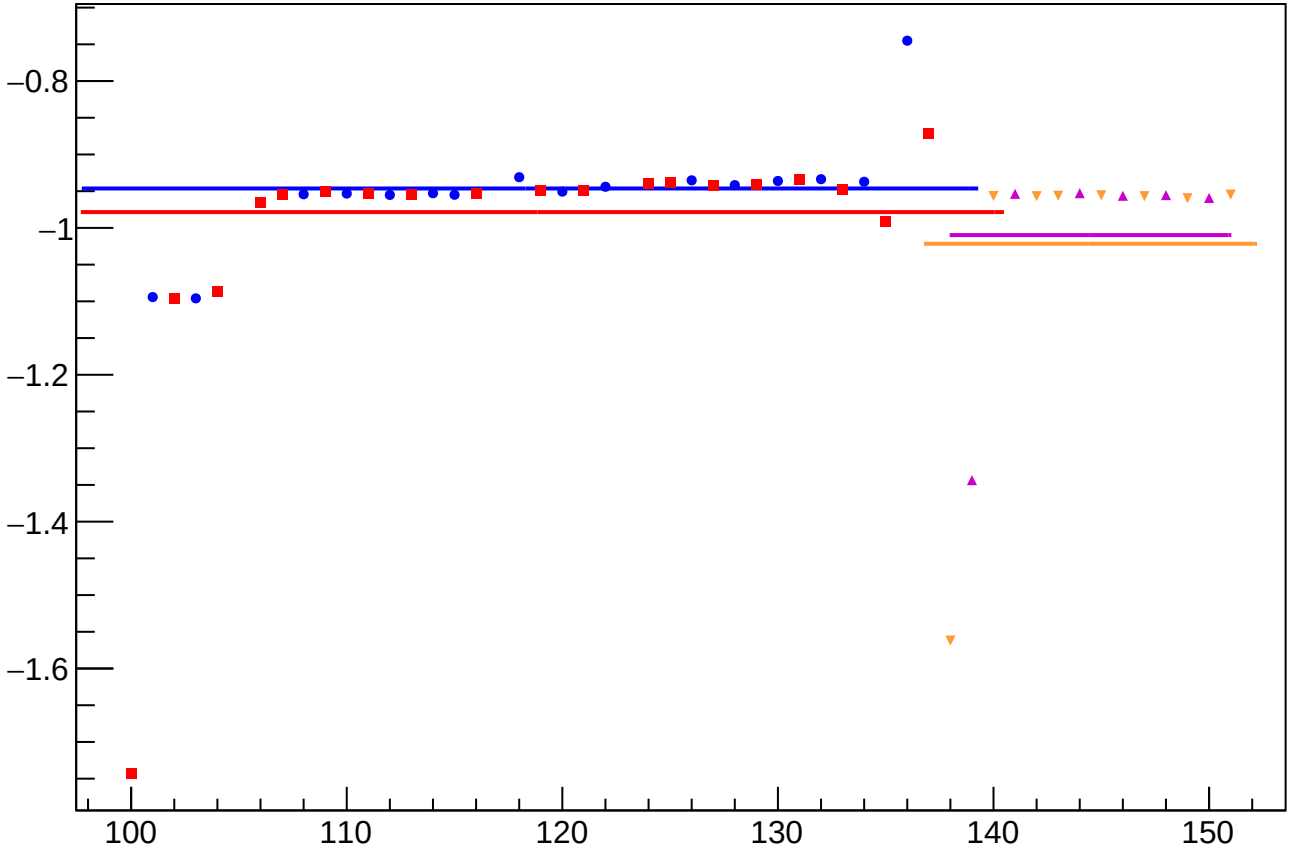
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1014371.5/21

Out: 0.004+/-0.000 χ^2/NDF:1466056.0/26

All: 0.004+/-0.000 χ^2/NDF: 2483072.7/48

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.022+/-0.000 χ^2/NDF:1785167885.0/7

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.010+/-0.000 χ^2/NDF:777284003.5/5

Left: -1.016+/-0.000 χ^2/NDF: 2565716294.8/13

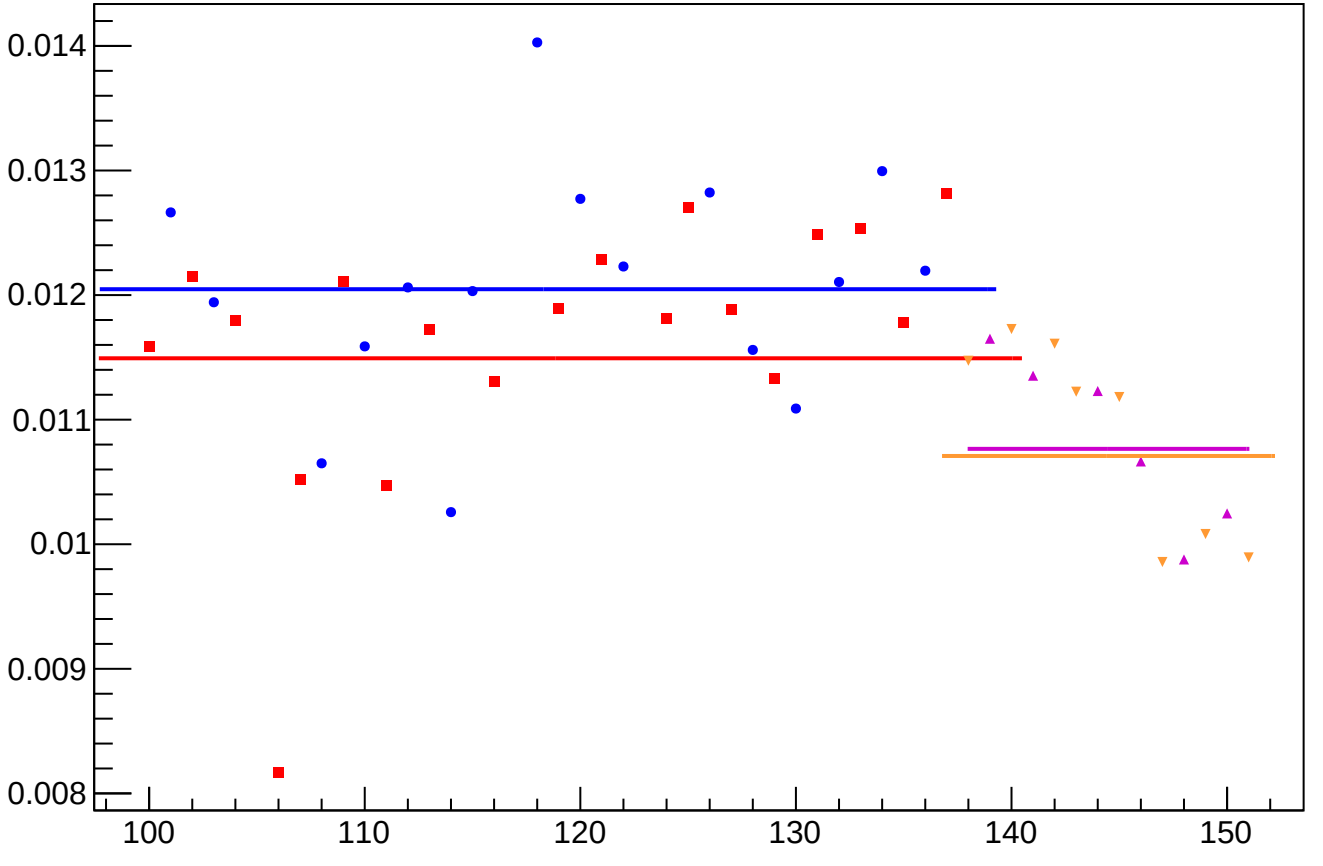
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.976+/-0.000 χ^2/NDF:1272456817.0/21

Out: -0.999+/-0.000 χ^2/NDF:2295088262.8/26

All: -0.989+/-0.000 χ^2/NDF: 3592864855.7/4

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:58252.0/7

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:34281.2/5

Left: 0.011+/-0.000 χ^2/NDF: 92685.5/13

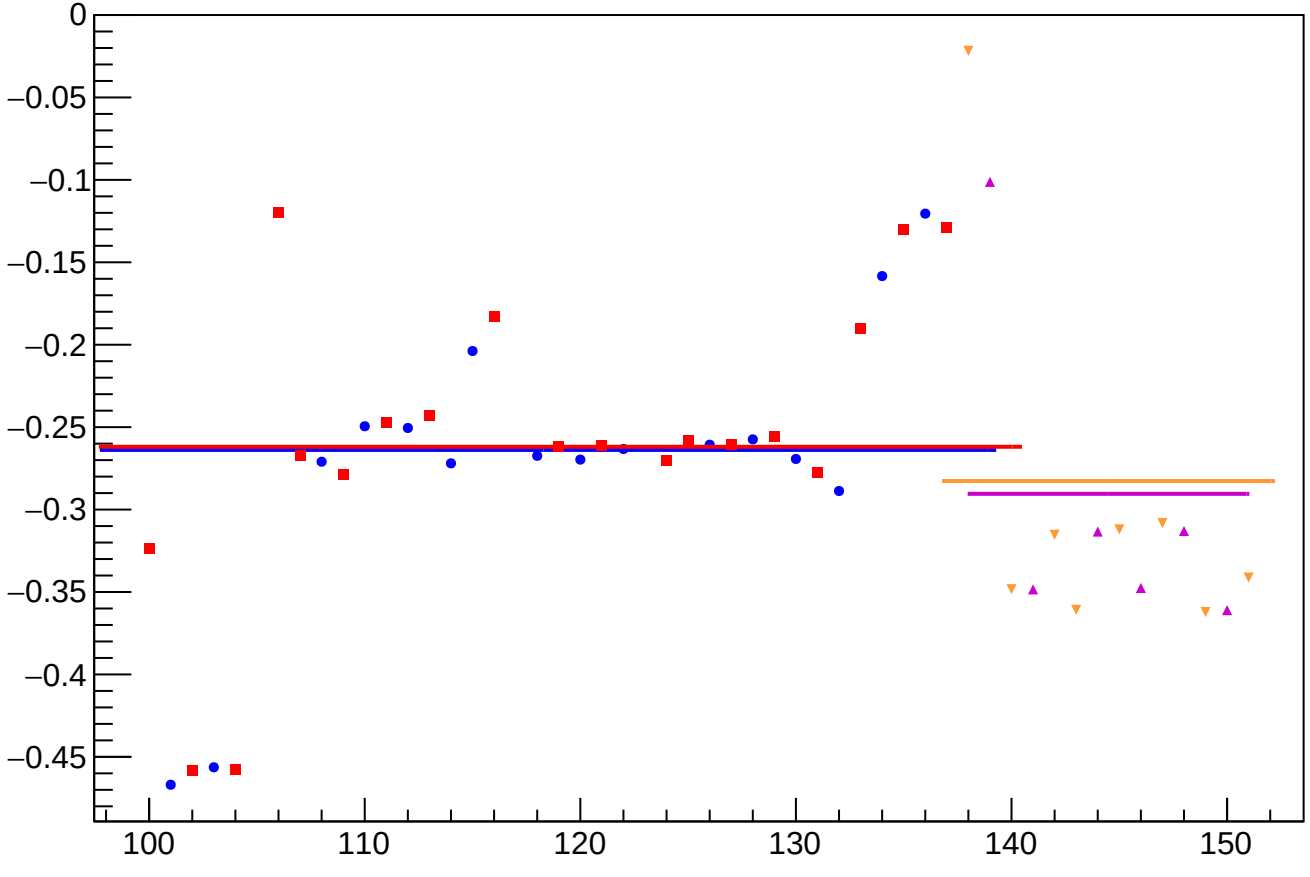
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:170743.5/21

Out: 0.011+/-0.000 χ^2/NDF:241831.0/26

All: 0.011+/-0.000 χ^2/NDF: 422790.3/48

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:4595188526.3/7

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.290+/-0.000 χ^2/NDF:2237453620.8/5

Left: -0.286+/-0.000 χ^2/NDF: 6841090998.6/13

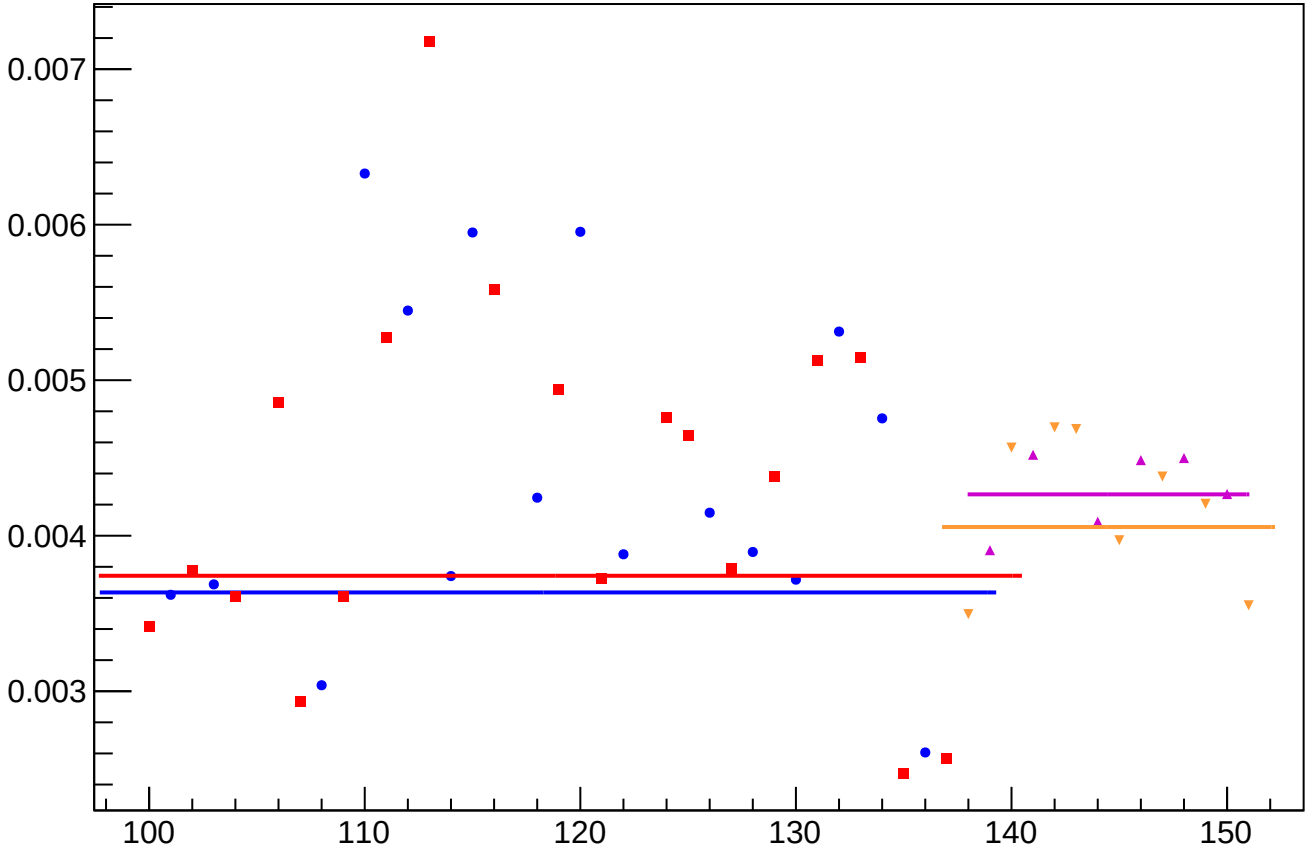
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.273+/-0.000 χ^2/NDF:8456170884.3/21

Out: -0.271+/-0.000 χ^2/NDF:9925023504.8/26

All: -0.272+/-0.000 χ^2/NDF: 18383758621.8/

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:131782.3/7

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:27626.3/5

Left: 0.004+/-0.000 χ^2/NDF: 171820.5/13

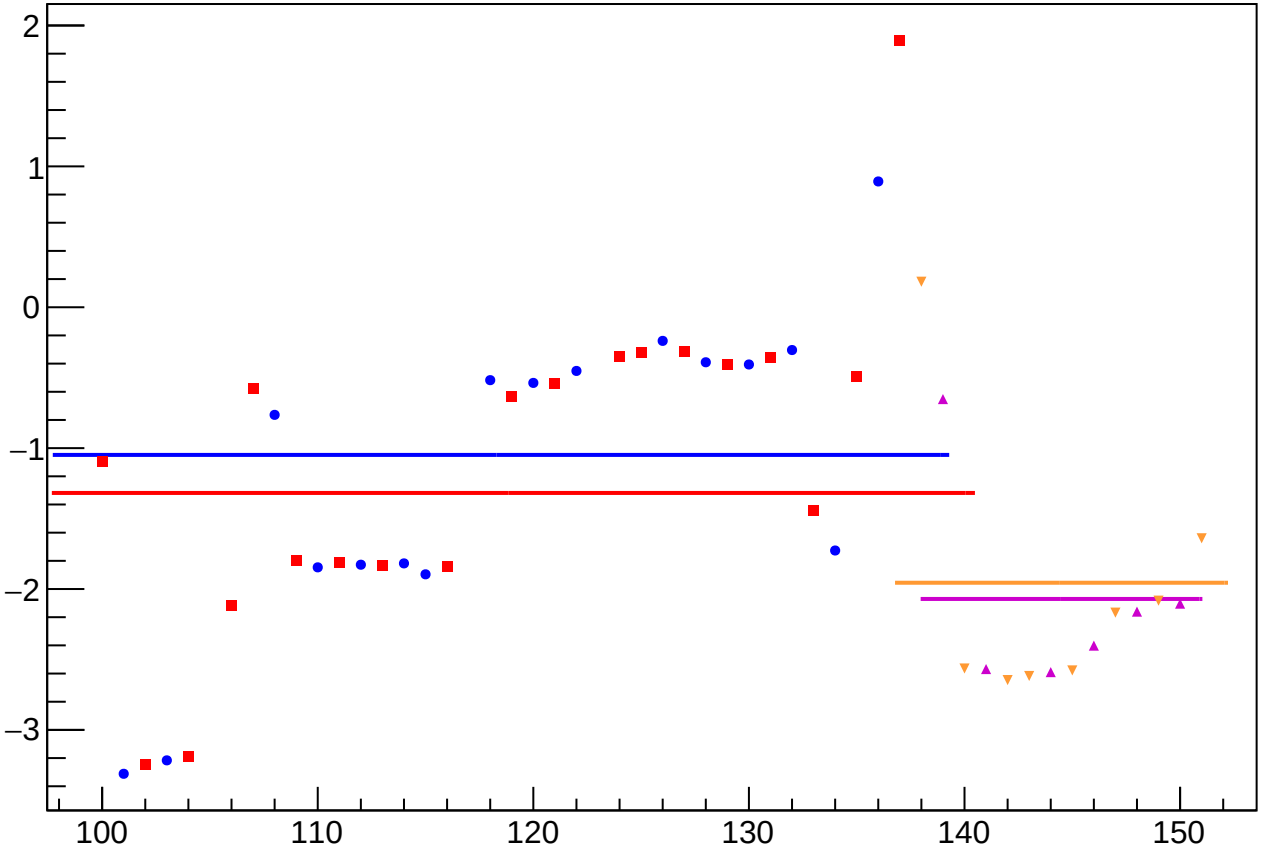
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:882405.6/21

Out: 0.004+/-0.000 χ^2/NDF:1062177.1/26

All: 0.004+/-0.000 χ^2/NDF: 1944694.9/48

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.955+/-0.000 χ^2/NDF:910982290.4/7

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -2.070+/-0.000 χ^2/NDF:409582070.5/5

Left: -2.008+/-0.000 χ^2/NDF: 1327118211.0/13

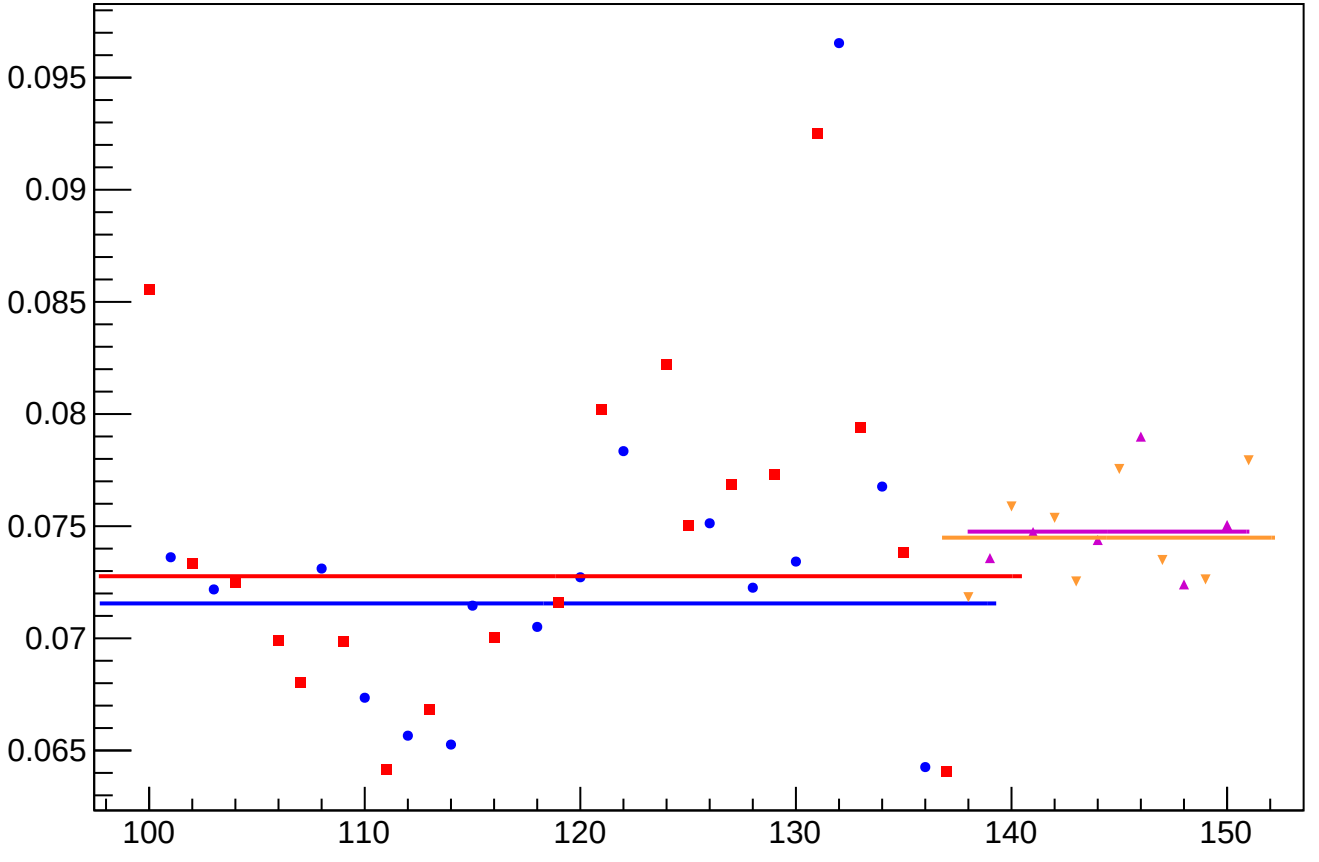
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.456+/-0.000 χ^2/NDF:3328157888.2/21

Out: -1.599+/-0.000 χ^2/NDF:3004930181.5/26

All: -1.531+/-0.000 χ^2/NDF: 6357272017.9/4

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:10984.5/7

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:6994.2/5

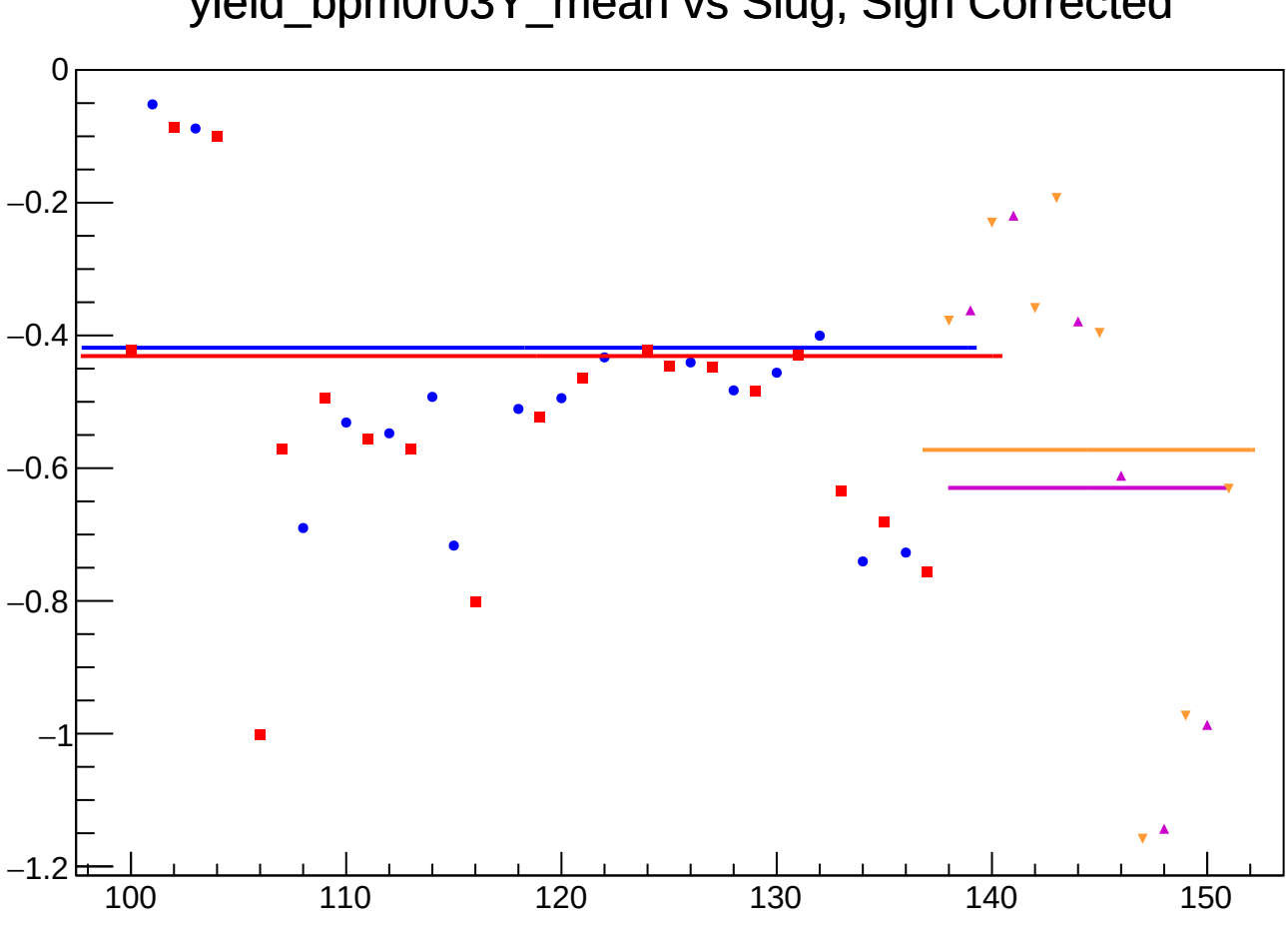
Left: 0.075+/-0.000 χ^2/NDF: 18050.4/13

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:119442.9/21

Out: 0.074+/-0.000 χ^2/NDF:111438.0/26

All: 0.073+/-0.000 χ^2/NDF: 232018.2/48



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.572+/-0.000 χ^2/NDF:8162243103.4/7

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.630+/-0.000 χ^2/NDF:7609077912.5/5

Left: -0.598+/-0.000 χ^2/NDF: 15884161939.3/13

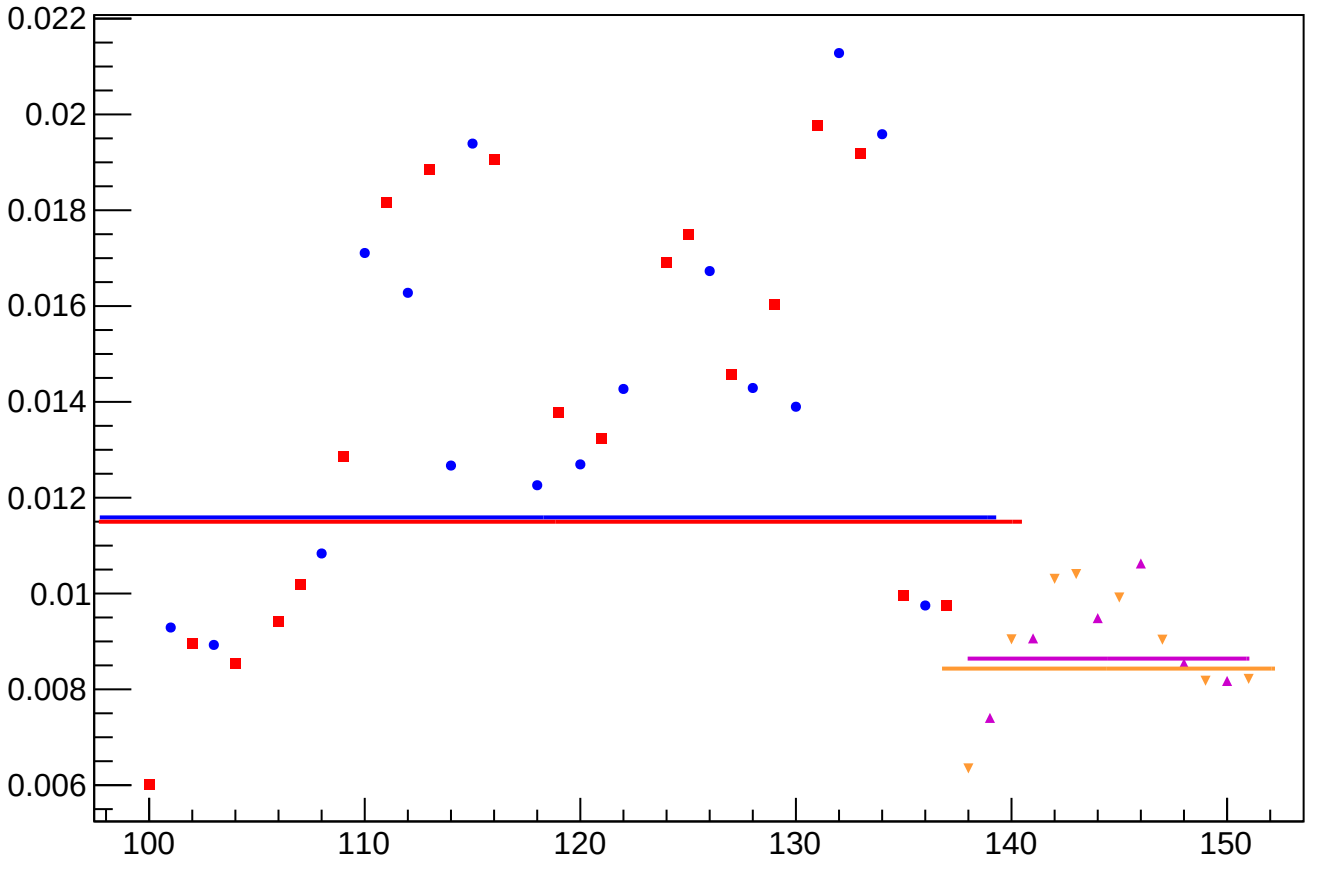
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.542+/-0.000 χ^2/NDF:11839663077.5/21

Out: -0.520+/-0.000 χ^2/NDF:11927761480.4/26

All: -0.530+/-0.000 χ^2/NDF: 23796173747.1/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:276566.1/7

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.009+/-0.000 χ^2/NDF:117030.8/5

Left: 0.009+/-0.000 χ^2/NDF: 396585.7/13

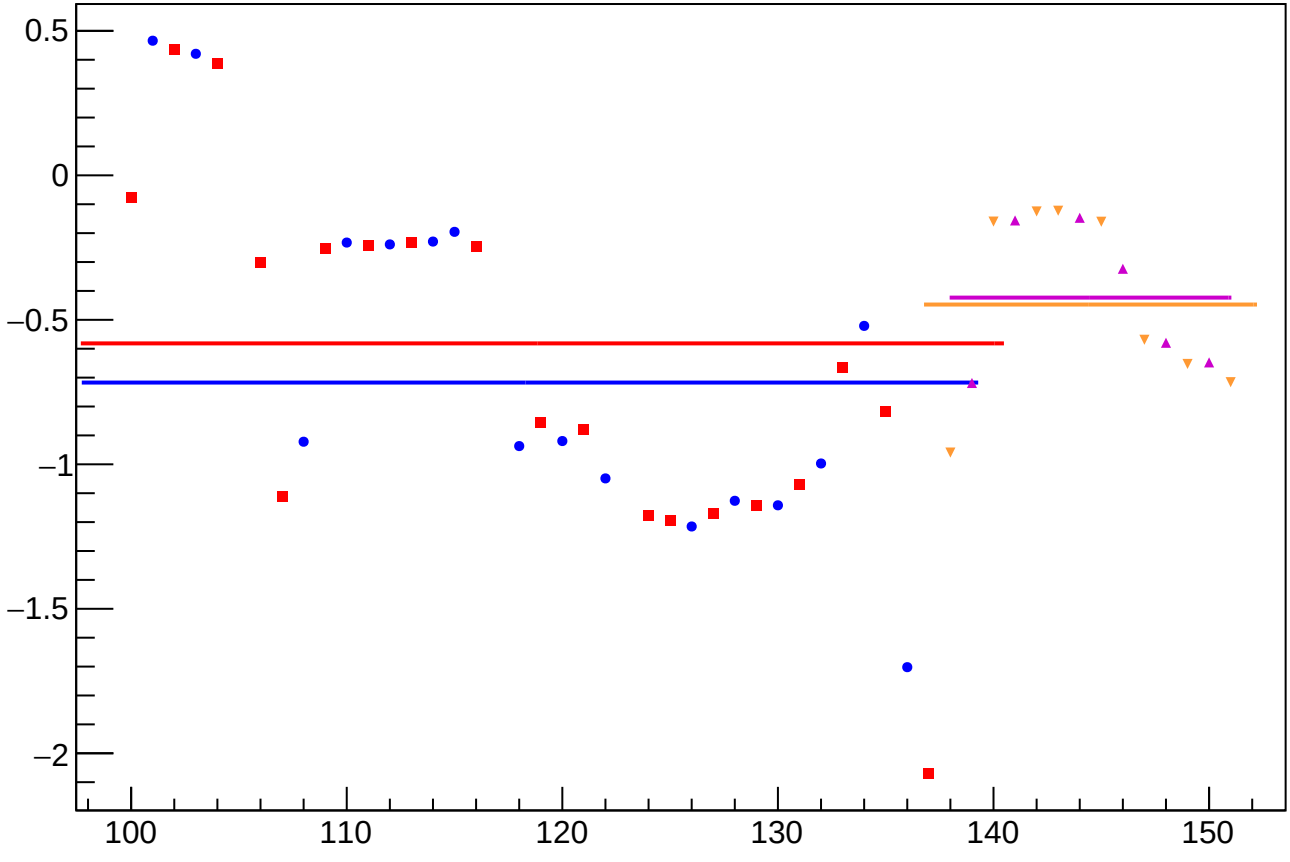
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.010+/-0.000 χ^2/NDF:1354640.7/21

Out: 0.010+/-0.000 χ^2/NDF:1976427.4/26

All: 0.010+/-0.000 χ^2/NDF: 3340406.8/48

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.447+/-0.000 χ^2/NDF:82733456.0/7

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.423+/-0.000 χ^2/NDF:40016525.3/5

Left: -0.436+/-0.000 χ^2/NDF: 122978713.0/13

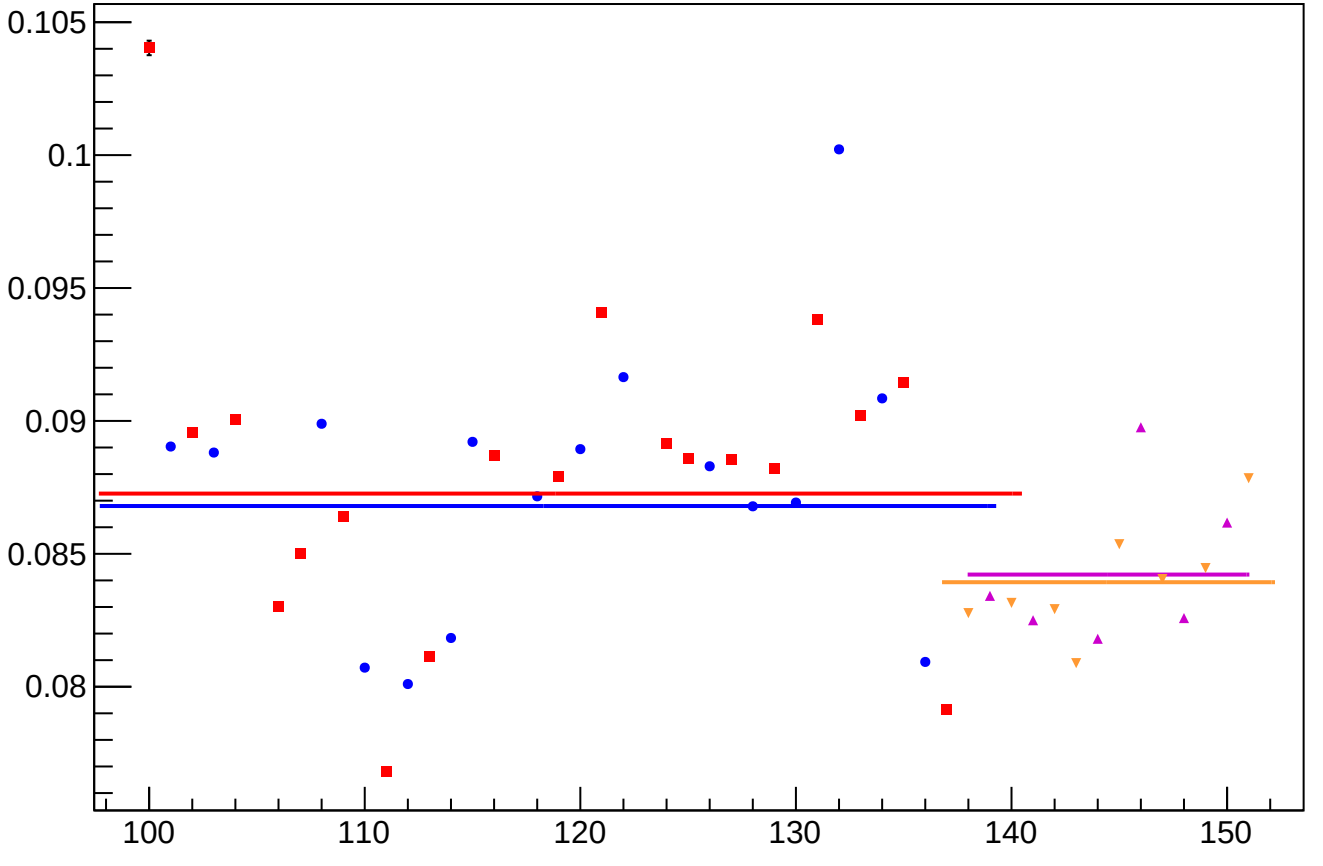
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.589+/-0.000 χ^2/NDF:513248261.3/21

Out: -0.518+/-0.000 χ^2/NDF:433124357.7/26

All: -0.552+/-0.000 χ^2/NDF: 950815779.5/48

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.084+/-0.000 χ^2/NDF:6714.1/7

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.084+/-0.000 χ^2/NDF:10728.7/5

Left: 0.084+/-0.000 χ^2/NDF: 17508.6/13

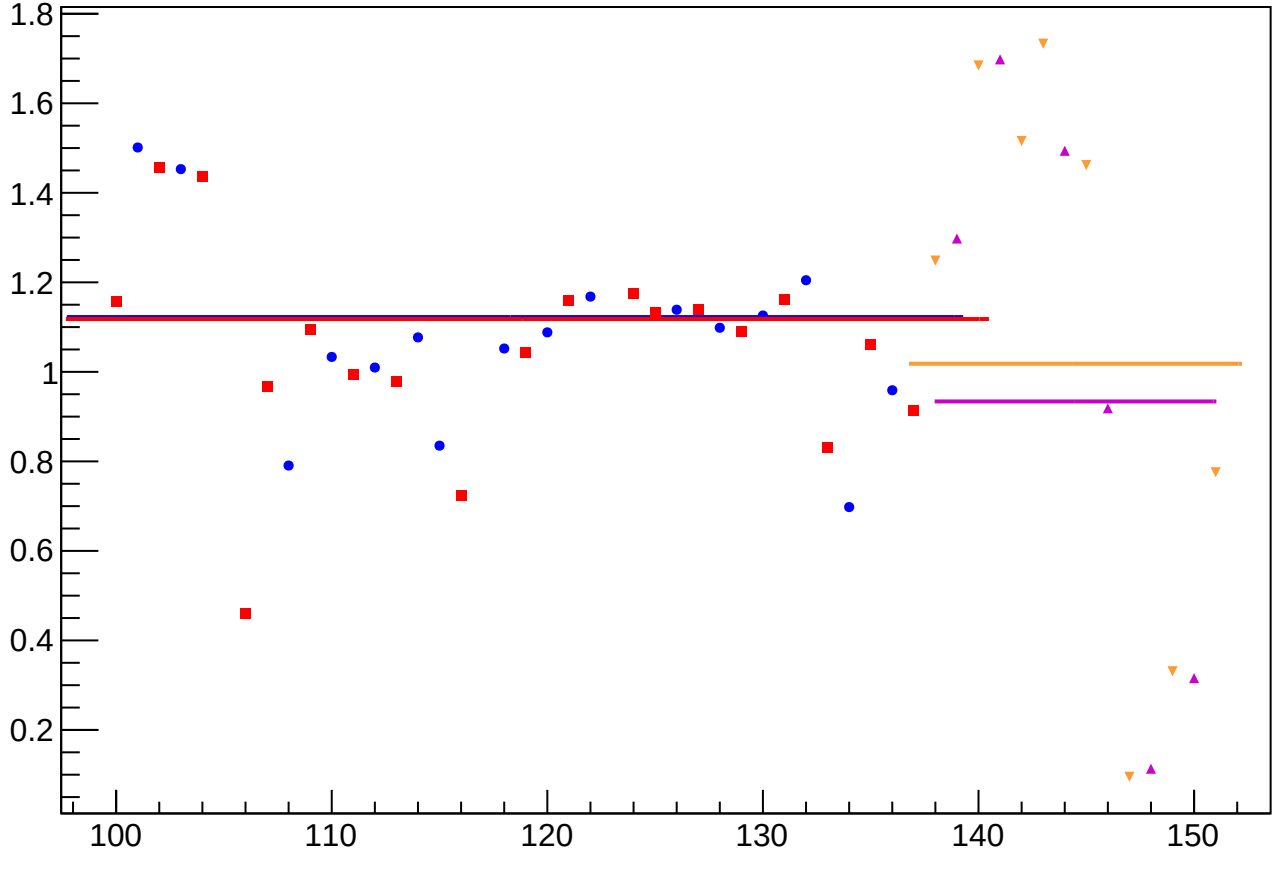
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:59816.2/21

Out: 0.086+/-0.000 χ^2/NDF:63121.1/26

All: 0.086+/-0.000 χ^2/NDF: 122937.9/48

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 1.018+/-0.000 χ^2/NDF:17550577407.2/7

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.934+/-0.000 χ^2/NDF:15707281639.5/5

Left: 0.980+/-0.000 χ^2/NDF: 33432111626.0/13

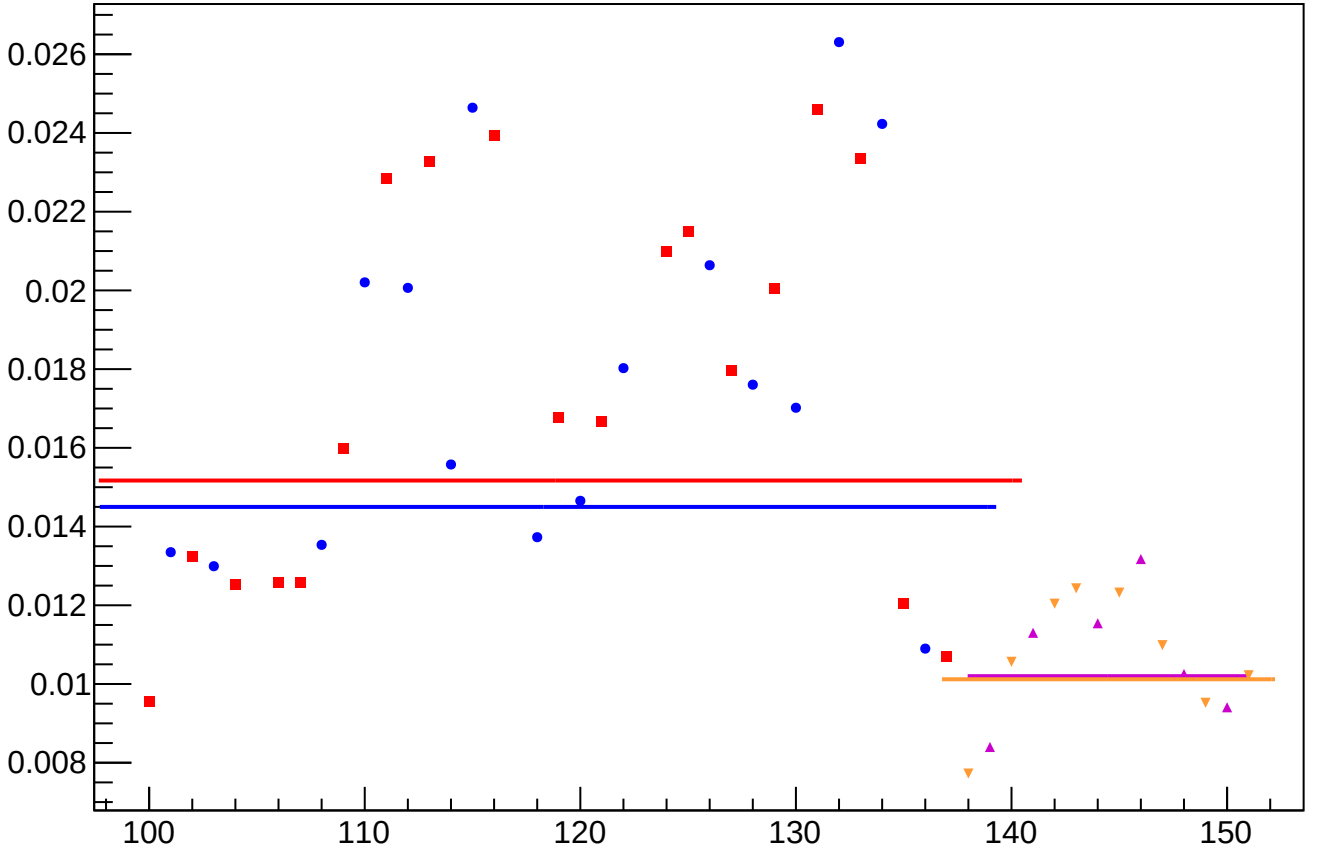
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 1.007+/-0.000 χ^2/NDF:17780464082.1/21

Out: 1.051+/-0.000 χ^2/NDF:19298736471.4/26

All: 1.030+/-0.000 χ^2/NDF: 37155095855.8/4

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:278430.7/7

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.010+/-0.000 χ^2/NDF:198007.7/5

Left: 0.010+/-0.000 χ^2/NDF: 476739.0/13

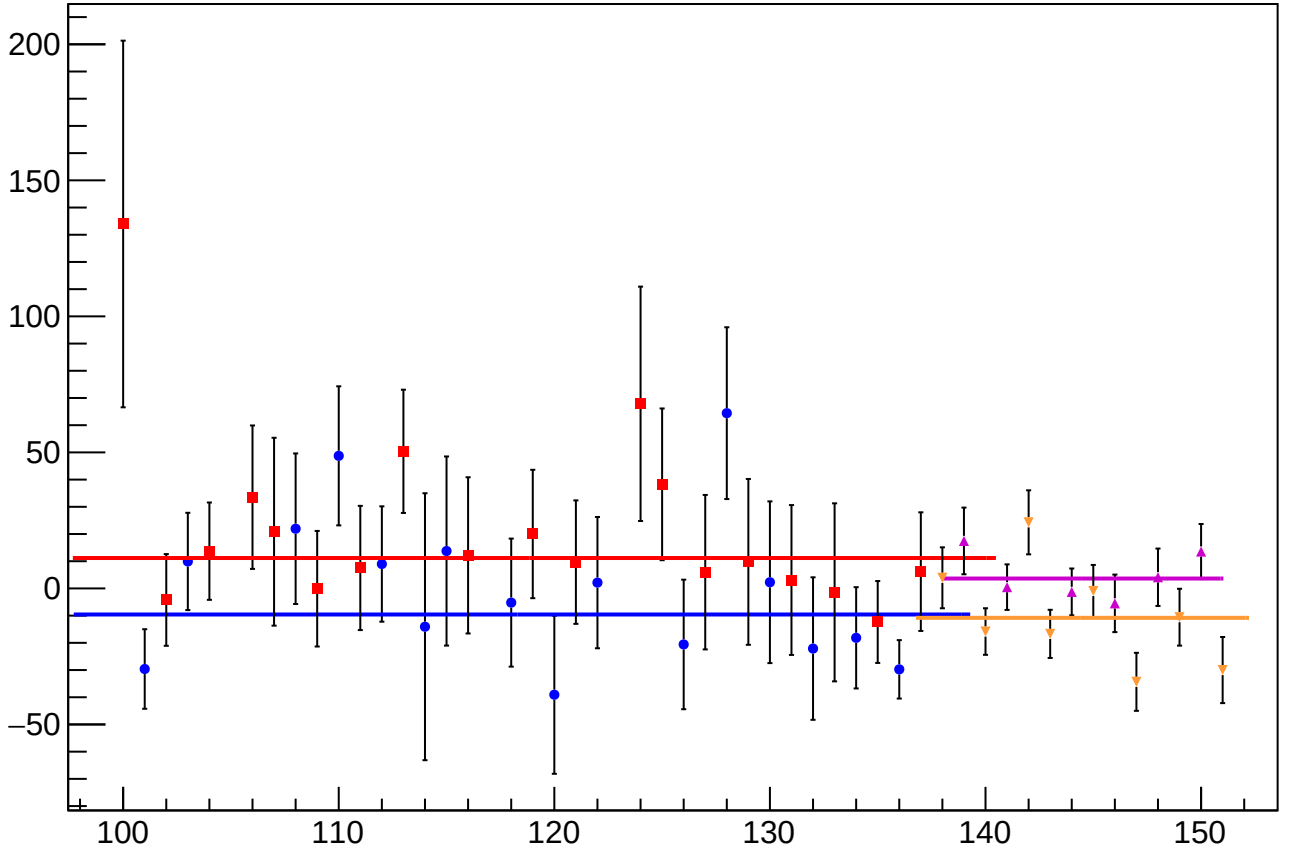
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.012+/-0.000 χ^2/NDF:1552597.4/21

Out: 0.012+/-0.000 χ^2/NDF:2052368.5/26

All: 0.012+/-0.000 χ^2/NDF: 3605340.2/48

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.812+/-3.597 χ^2/NDF:19.8/7

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 3.634+/-4.012 χ^2/NDF:3.4/5

Left: -4.373+/-2.678 χ^2/NDF: 30.5/13

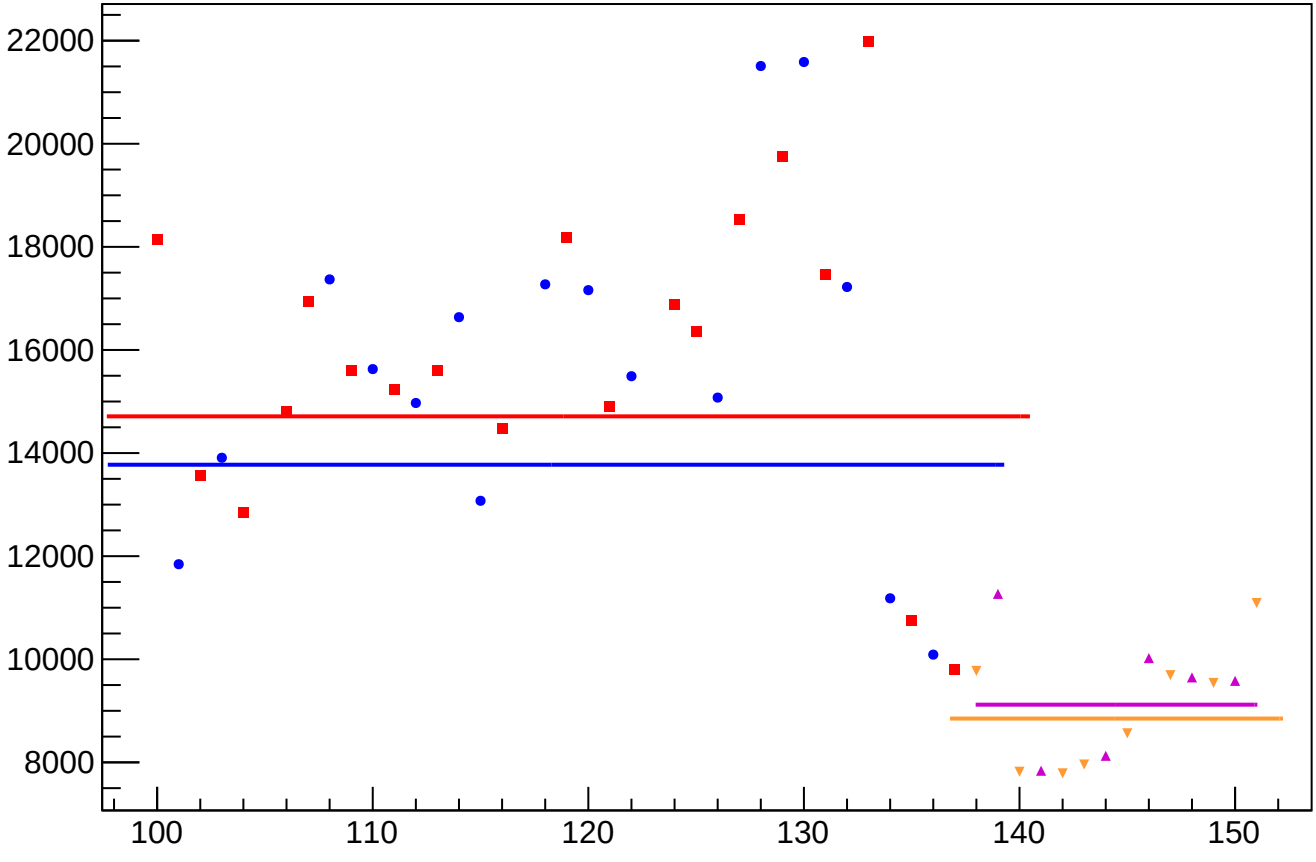
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -1.190+/-3.197 χ^2/NDF:29.3/21

Out: -4.219+/-3.010 χ^2/NDF:44.9/26

All: -2.795+/-2.191 χ^2/NDF: 74.7/48

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8849.817+/-2.544 χ^2/NDF:170341.0/7

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9119.114+/-2.837 χ^2/NDF:158768.6/5

Left: 8969.850+/-1.894 χ^2/NDF: 334104.9/13

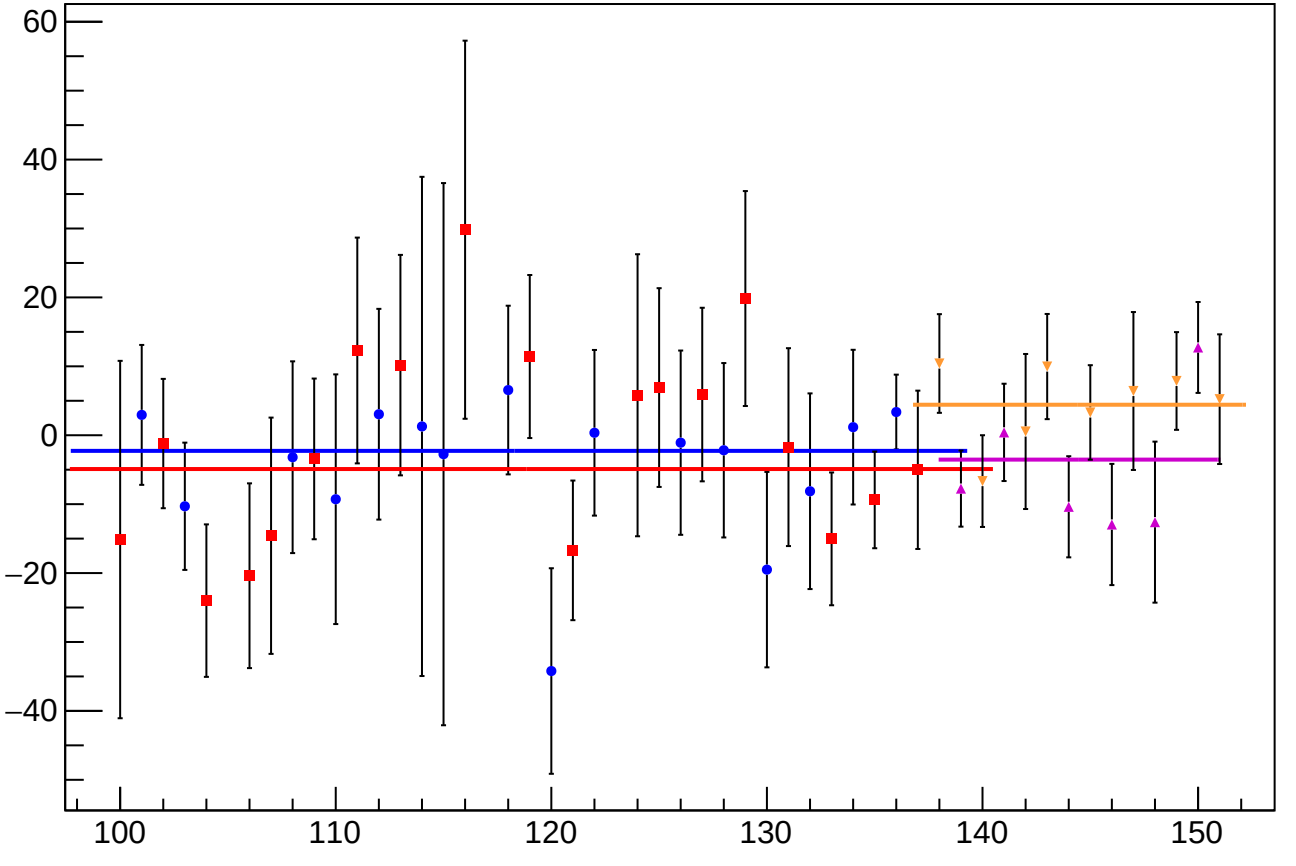
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10818.391+/-2.260 χ^2/NDF:1889312.4/21

Out: 10607.683+/-2.129 χ^2/NDF:2320180.4/26

All: 10706.713+/-1.550 χ^2/NDF: 4214098.4/4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.427+/-2.804 χ^2/NDF:4.4/7

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -3.536+/-2.953 χ^2/NDF:9.6/5

Left: 0.652+/-2.033 χ^2/NDF: 17.8/13

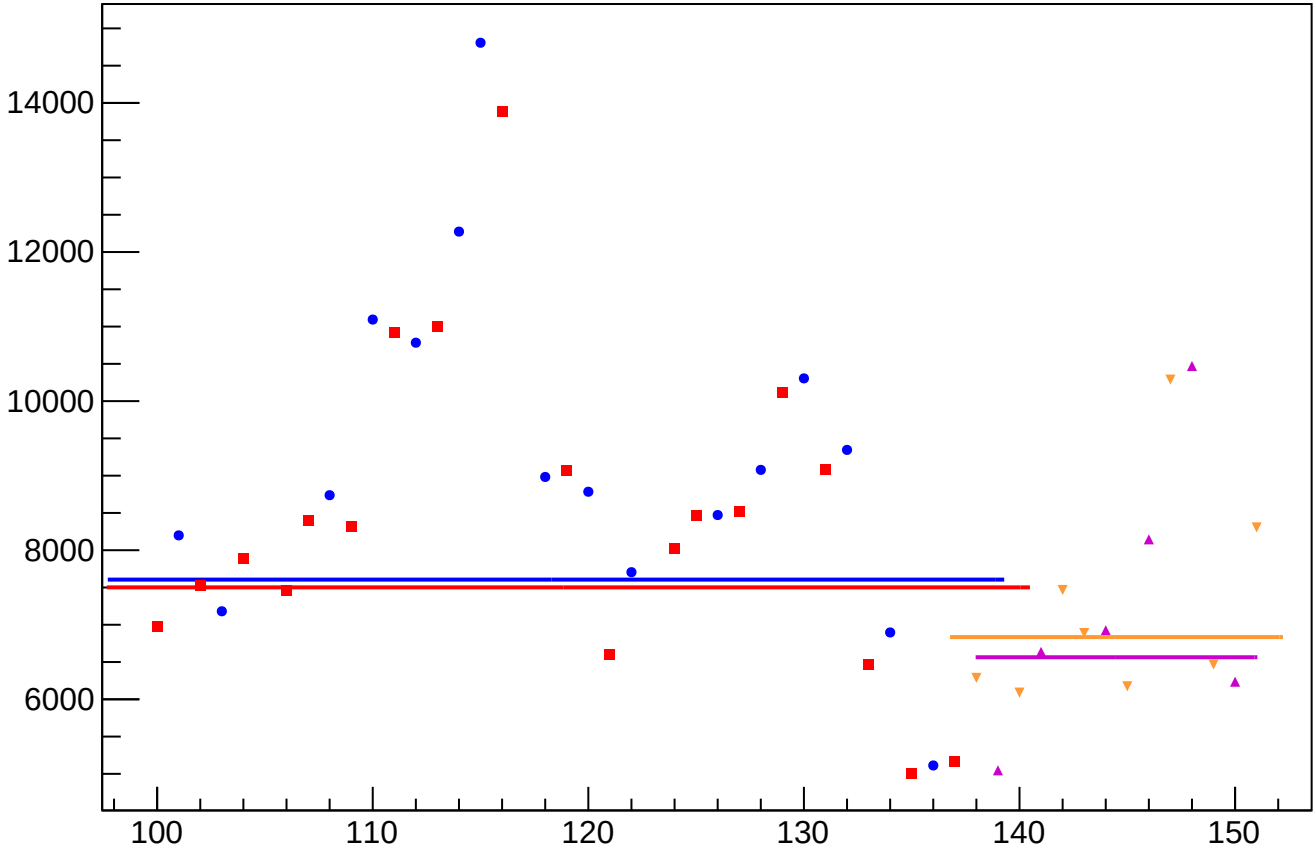
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.895+/-2.077 χ^2/NDF:19.0/21

Out: -0.185+/-1.994 χ^2/NDF:27.5/26

All: -1.485+/-1.438 χ^2/NDF: 47.3/48

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6834.607+/-1.982 χ^2/NDF:297676.1/7

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6564.110+/-2.088 χ^2/NDF:449390.8/5

Left: 6706.365+/-1.438 χ^2/NDF: 755893.1/13

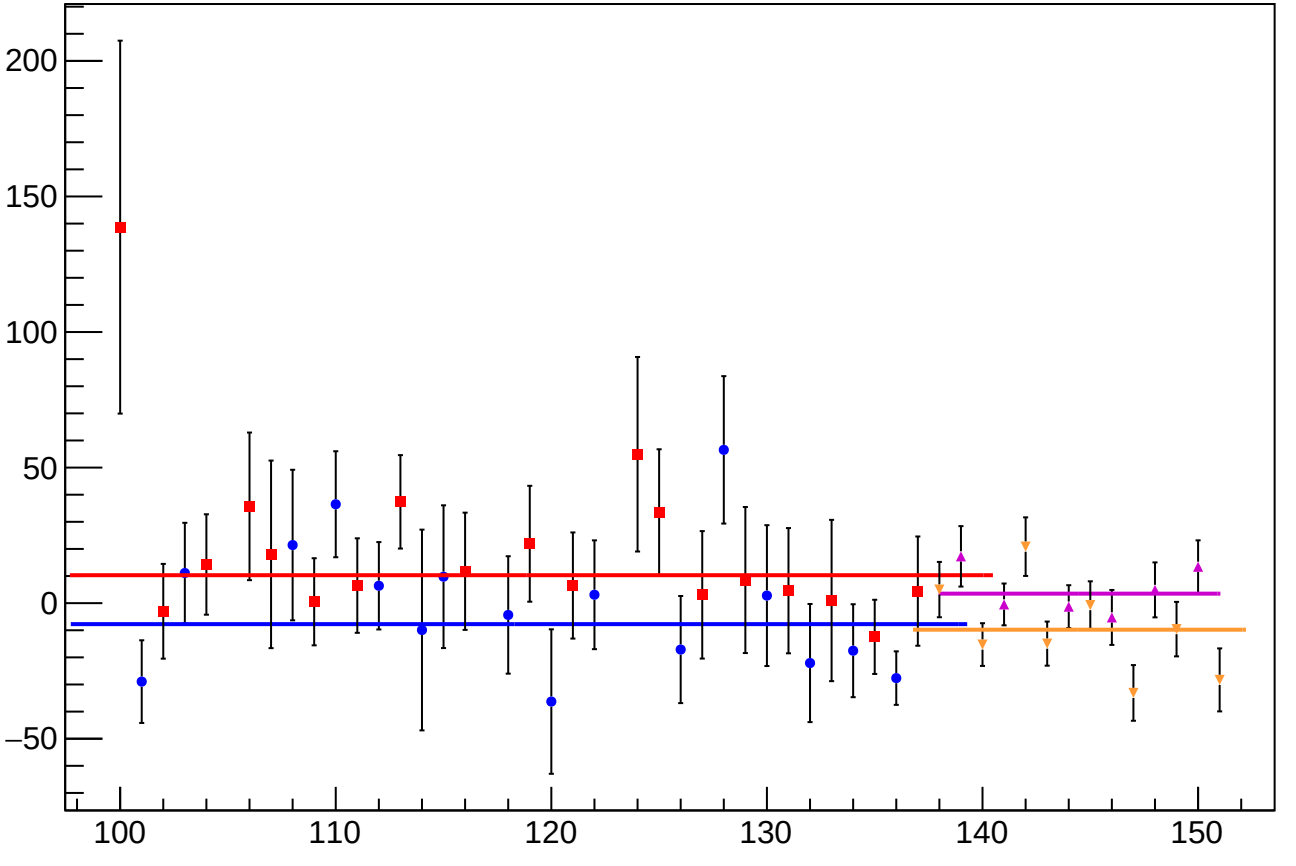
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 7090.368+/-1.469 χ^2/NDF:1466615.8/21

Out: 7164.247+/-1.410 χ^2/NDF:1177169.8/26

All: 7128.817+/-1.017 χ^2/NDF: 2645102.5/48

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -9.790+/-3.348 χ^2/NDF:19.8/7

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 3.506+/-3.755 χ^2/NDF:4.0/5

Left: -3.901+/-2.499 χ^2/NDF: 30.7/13

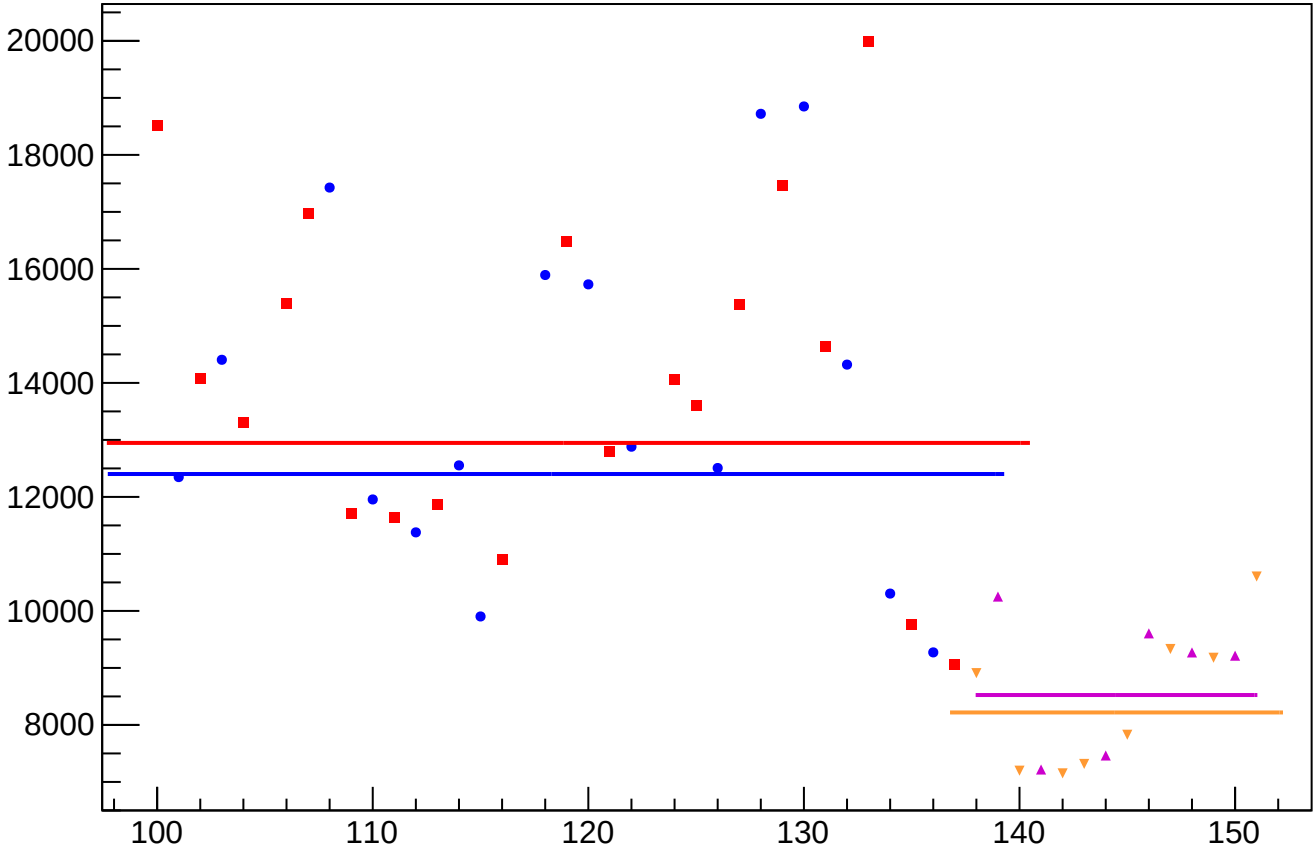
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -0.821+/-2.945 χ^2/NDF:30.1/21

Out: -3.284+/-2.754 χ^2/NDF:45.4/26

All: -2.136+/-2.011 χ^2/NDF: 75.8/48

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8218.926+/-2.368 χ^2/NDF:216976.1/7

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8524.731+/-2.655 χ^2/NDF:185262.3/5

Left: 8354.384+/-1.767 χ^2/NDF: 409628.3/13

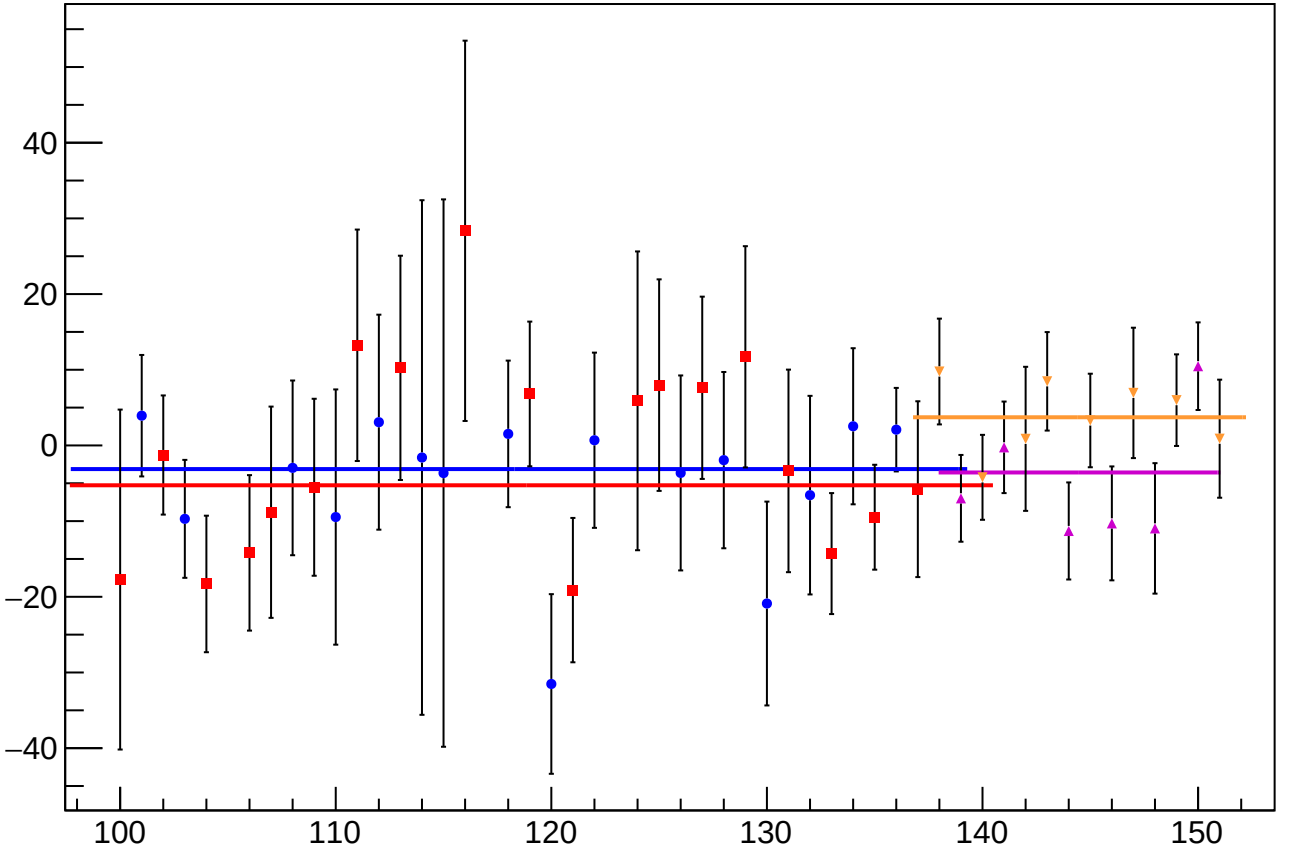
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10016.412+/-2.083 χ^2/NDF:1683985.5/21

Out: 9749.489+/-1.947 χ^2/NDF:2063230.6/26

All: 9873.984+/-1.422 χ^2/NDF: 3755981.8/48

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.722+/-2.423 χ^2/NDF:3.8/7

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -3.572+/-2.644 χ^2/NDF:9.5/5

Left: 0.392+/-1.787 χ^2/NDF: 17.5/13

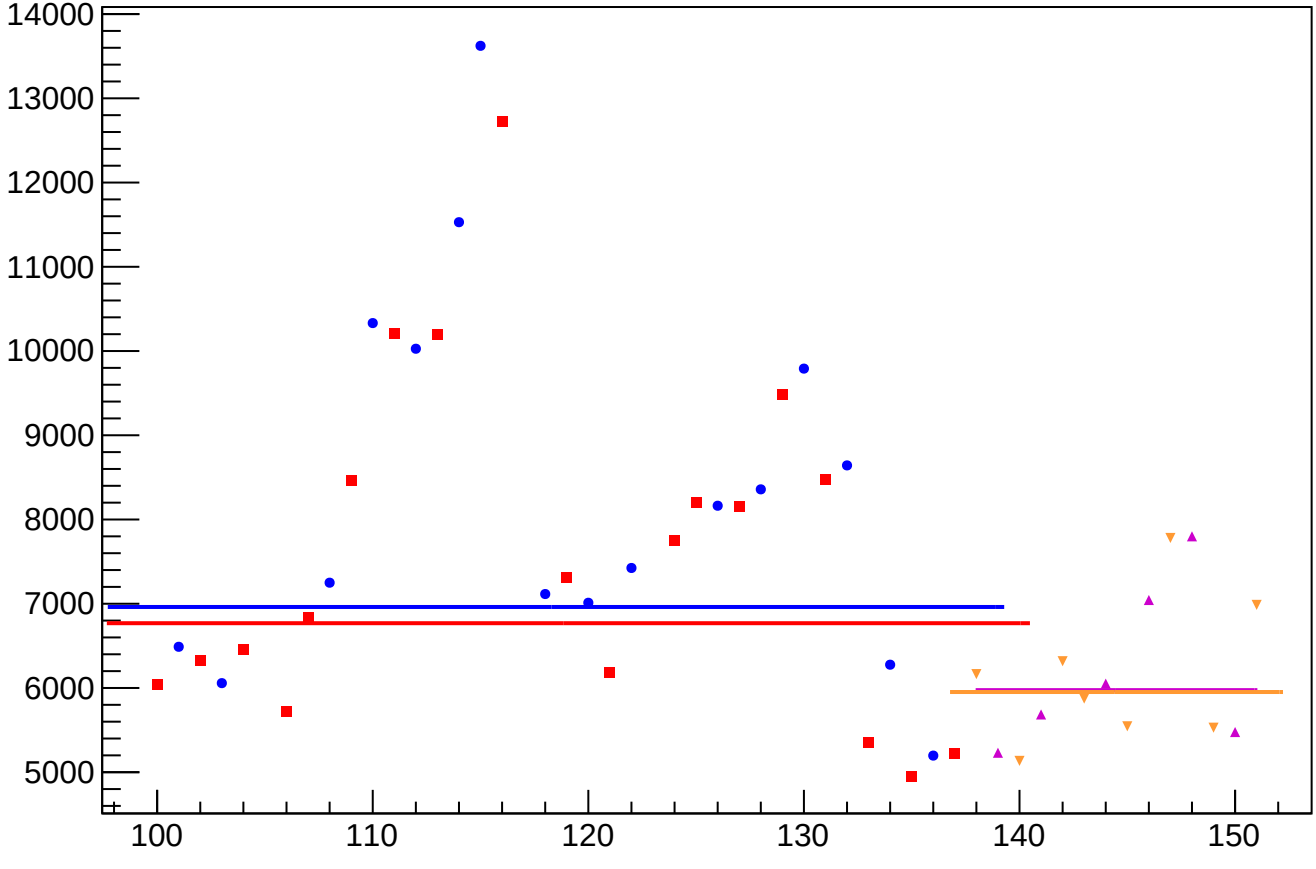
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -3.349+/-1.874 χ^2/NDF:20.4/21

Out: -0.538+/-1.758 χ^2/NDF:27.2/26

All: -1.854+/-1.282 χ^2/NDF: 48.8/48

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 5952.134+/-1.714 χ^2/NDF:191331.8/7

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 5974.407+/-1.870 χ^2/NDF:183407.9/5

Left: 5962.302+/-1.263 χ^2/NDF: 374816.8/13

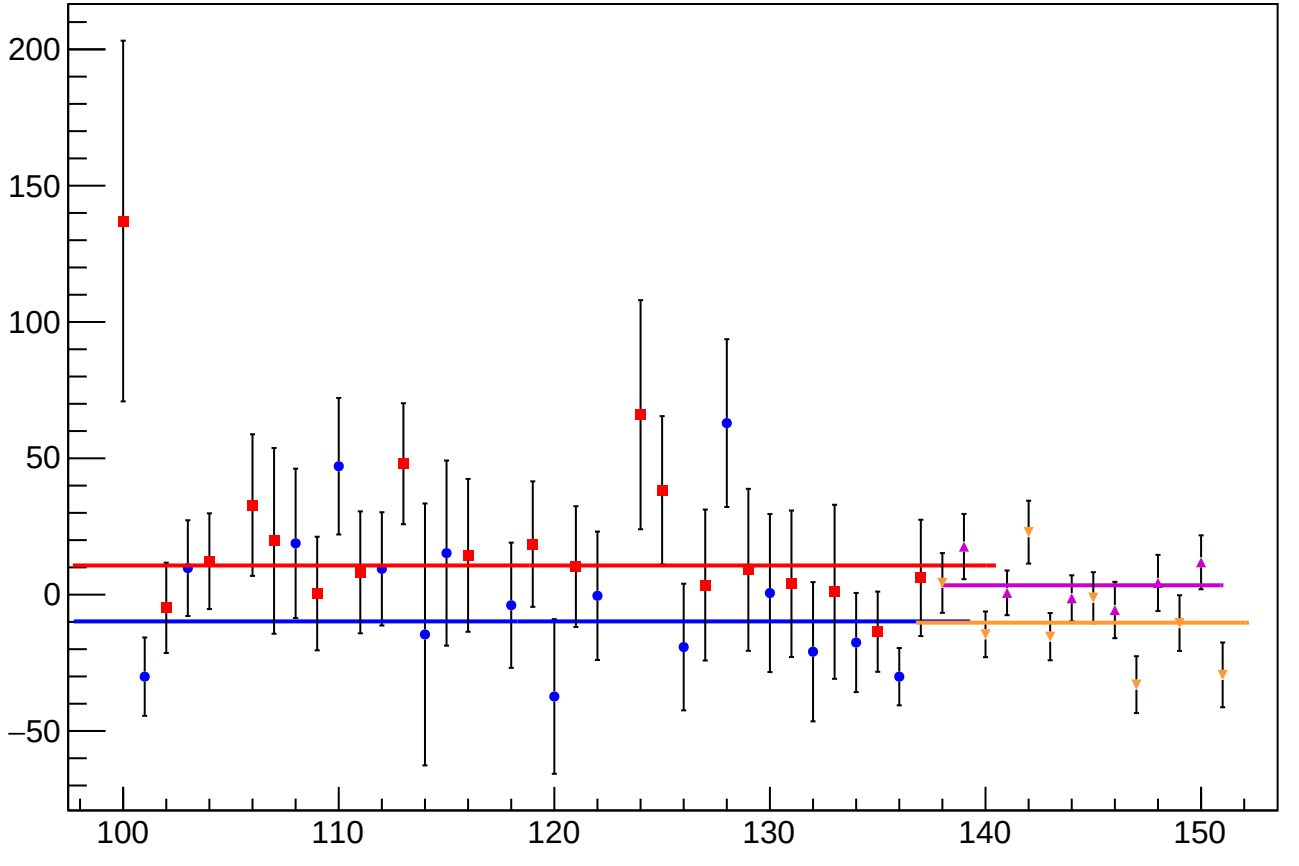
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6465.854+/-1.325 χ^2/NDF:1018606.2/21

Out: 6339.296+/-1.243 χ^2/NDF:1097137.9/26

All: 6398.533+/-0.906 χ^2/NDF: 2120597.6/48

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.278+/-3.519 χ^2/NDF:19.0/7

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 3.432+/-3.923 χ^2/NDF:3.3/5

Left: -4.165+/-2.619 χ^2/NDF: 29.1/13

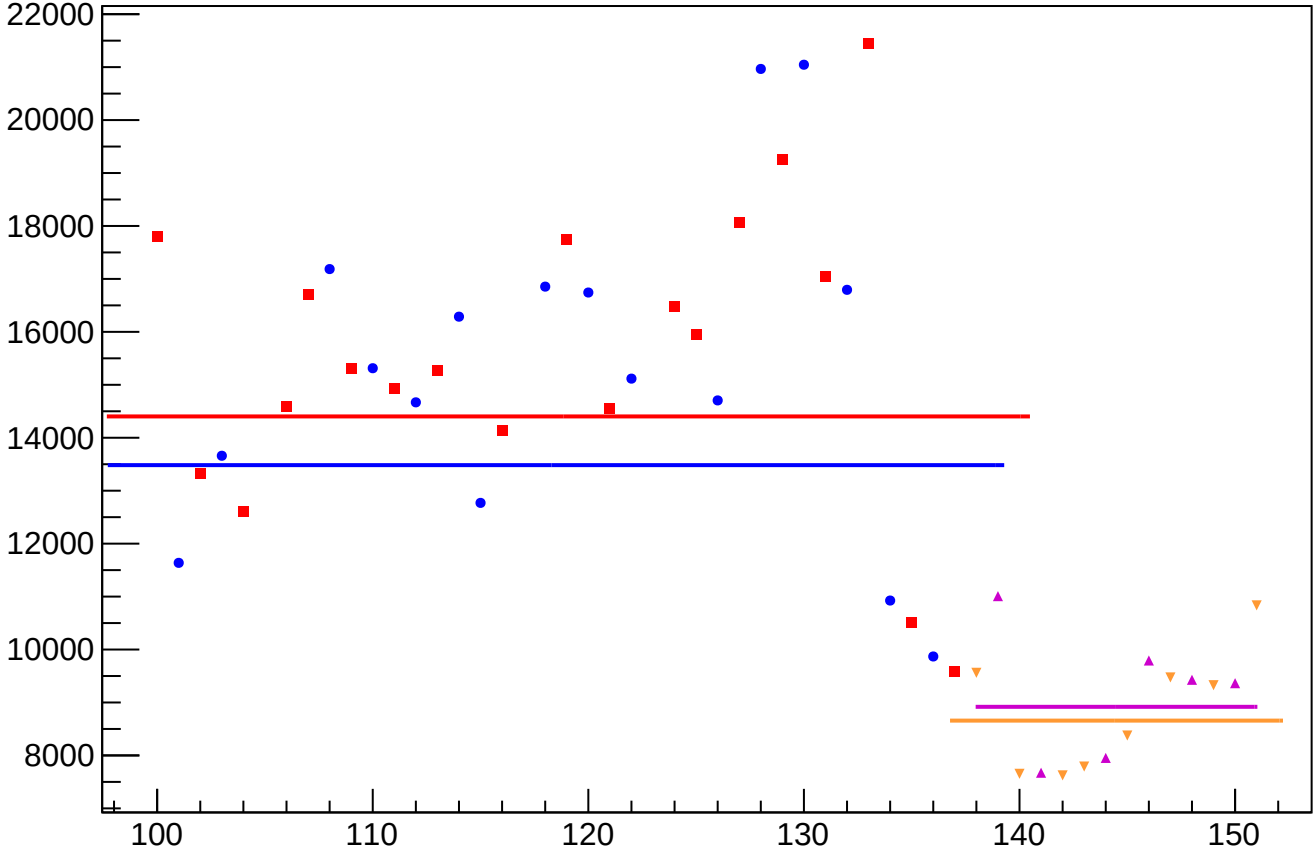
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.396+/-3.127 χ^2/NDF:29.5/21

Out: -3.993+/-2.945 χ^2/NDF:44.0/26

All: -2.772+/-2.144 χ^2/NDF: 73.9/48

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8657.723+/-2.488 χ^2/NDF:168442.7/7

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8918.180+/-2.774 χ^2/NDF:156728.7/5

Left: 8773.856+/-1.852 χ^2/NDF: 330056.9/13

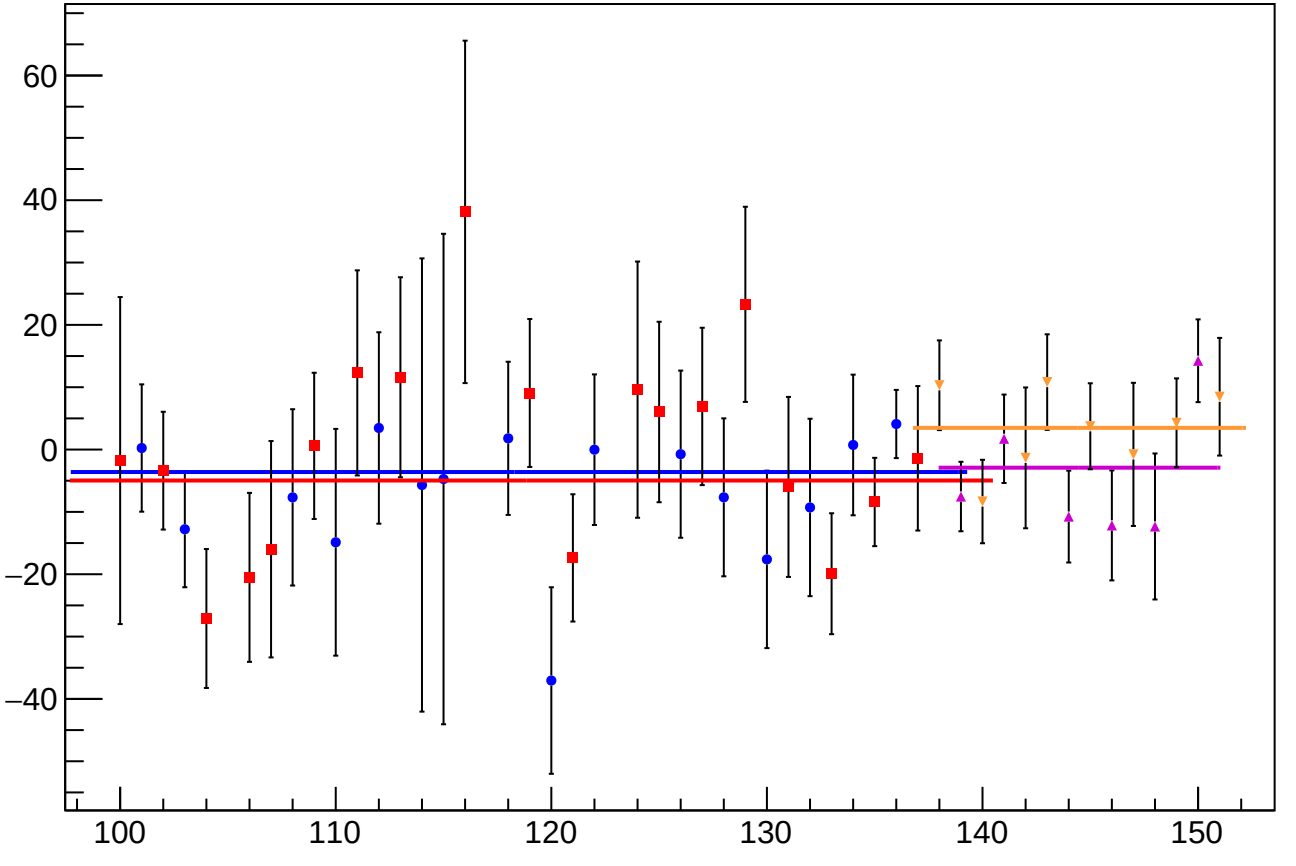
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10582.677+/-2.211 χ^2/NDF:1887931.3/21

Out: 10378.776+/-2.082 χ^2/NDF:2317867.8/26

All: 10474.626+/-1.516 χ^2/NDF: 4210305.9/4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.482+/-2.817 χ^2/NDF:5.5/7

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -2.907+/-2.970 χ^2/NDF:10.7/5

Left: 0.456+/-2.044 χ^2/NDF: 18.7/13

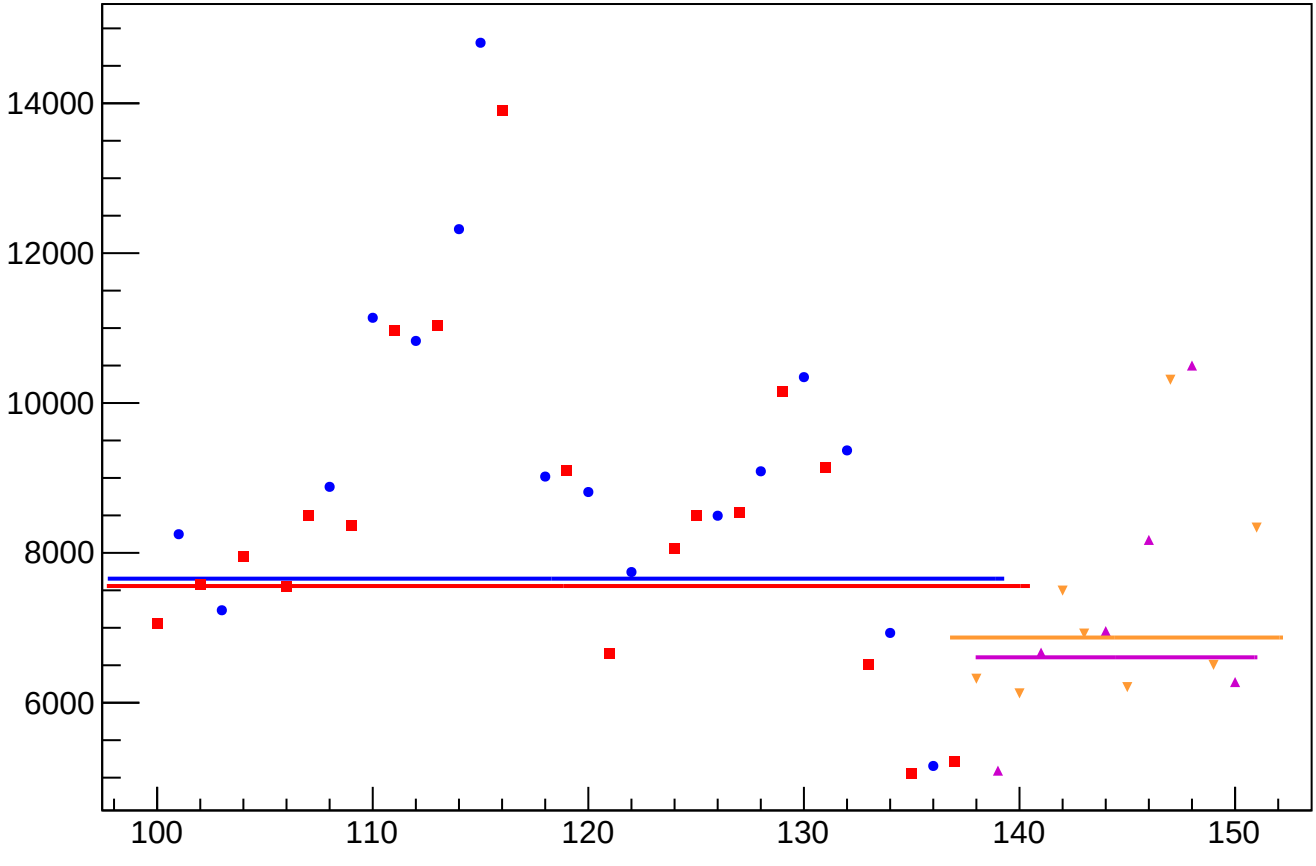
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -3.260+/-2.089 χ^2/NDF:21.2/21

Out: -0.685+/-2.006 χ^2/NDF:31.4/26

All: -1.920+/-1.447 χ^2/NDF: 53.3/48

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6870.194+/-1.992 χ^2/NDF:294301.9/7

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6606.114+/-2.100 χ^2/NDF:441326.9/5

Left: 6745.115+/-1.445 χ^2/NDF: 743951.0/13

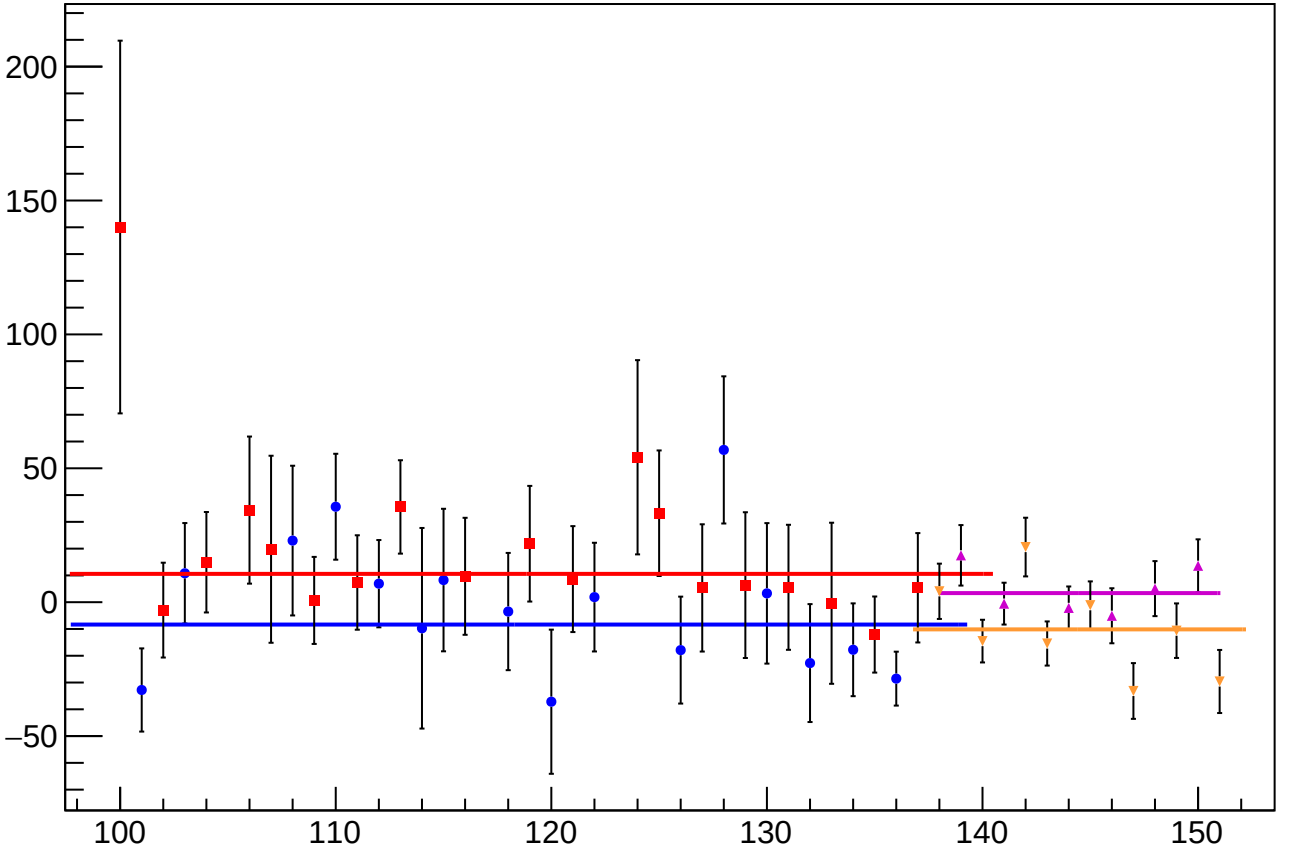
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7136.339+/-1.477 χ^2/NDF:1447287.3/21

Out: 7209.244+/-1.418 χ^2/NDF:1162874.8/26

All: 7174.285+/-1.023 χ^2/NDF: 2611429.4/48

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.154+/-3.392 χ^2/NDF:19.1/7

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 3.397+/-3.805 χ^2/NDF:4.1/5

Left: -4.153+/-2.532 χ^2/NDF: 30.3/13

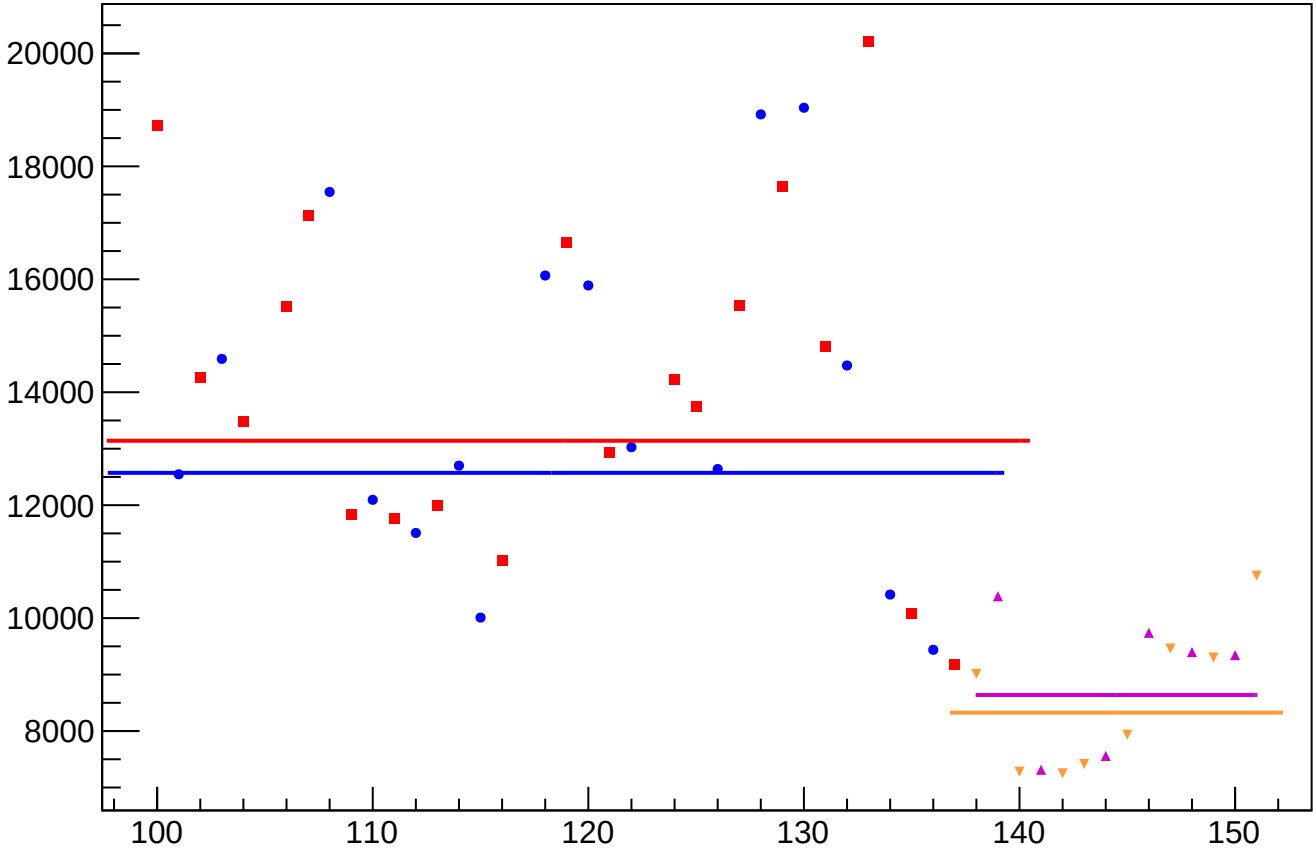
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -1.121+/-2.985 χ^2/NDF:31.0/21

Out: -3.459+/-2.791 χ^2/NDF:44.1/26

All: -2.368+/-2.039 χ^2/NDF: 75.4/48

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8326.574+/-2.399 χ^2/NDF:217797.8/7

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8638.818+/-2.691 χ^2/NDF:185951.6/5

Left: 8464.843+/-1.790 χ^2/NDF: 411252.9/13

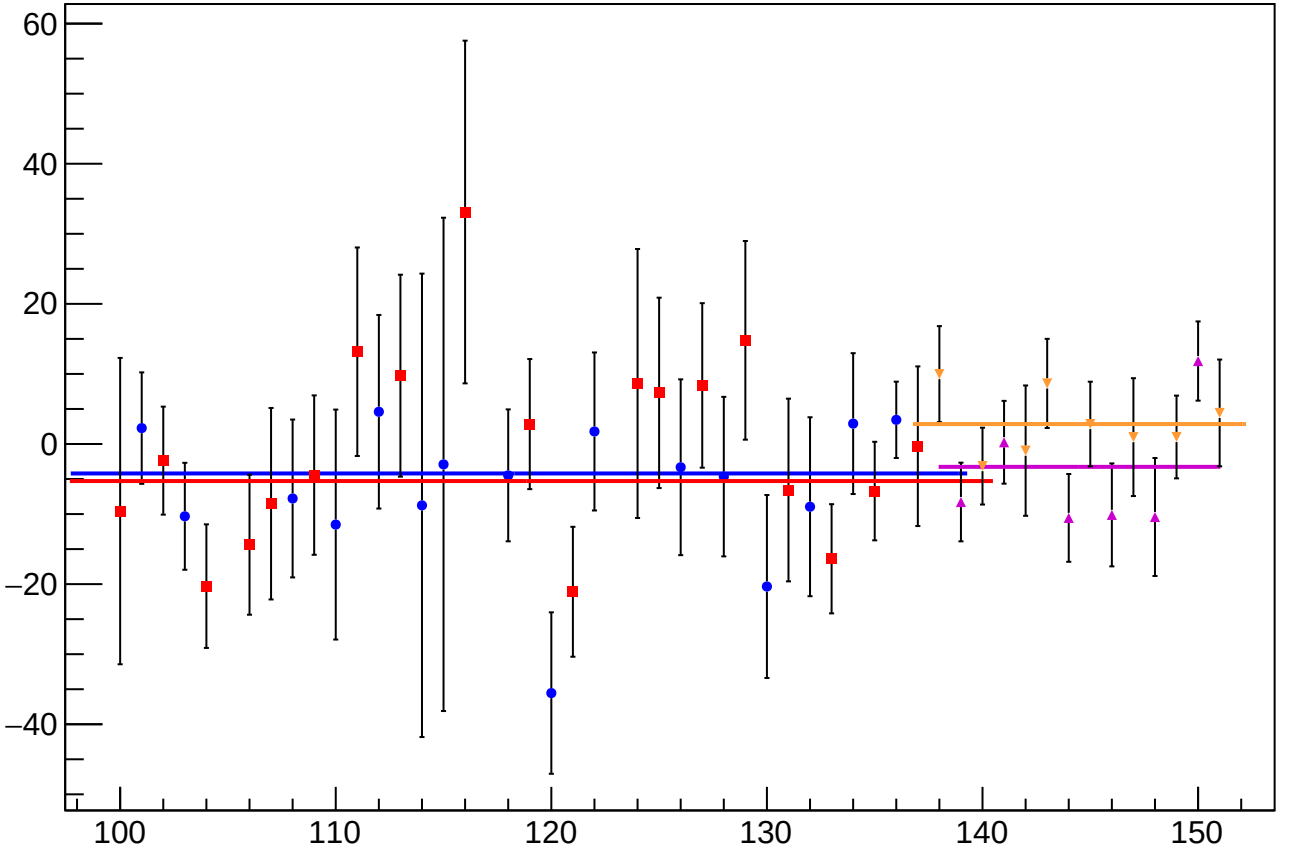
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10151.598+/-2.111 χ^2/NDF:1672965.8/21

Out: 9881.825+/-1.974 χ^2/NDF:2053924.8/26

All: 10007.659+/-1.442 χ^2/NDF: 3735605.7/4

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 2.845+/-2.368 χ^2/NDF:3.5/7

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -3.262+/-2.584 χ^2/NDF:11.2/5

Left: 0.057+/-1.746 χ^2/NDF: 17.7/13

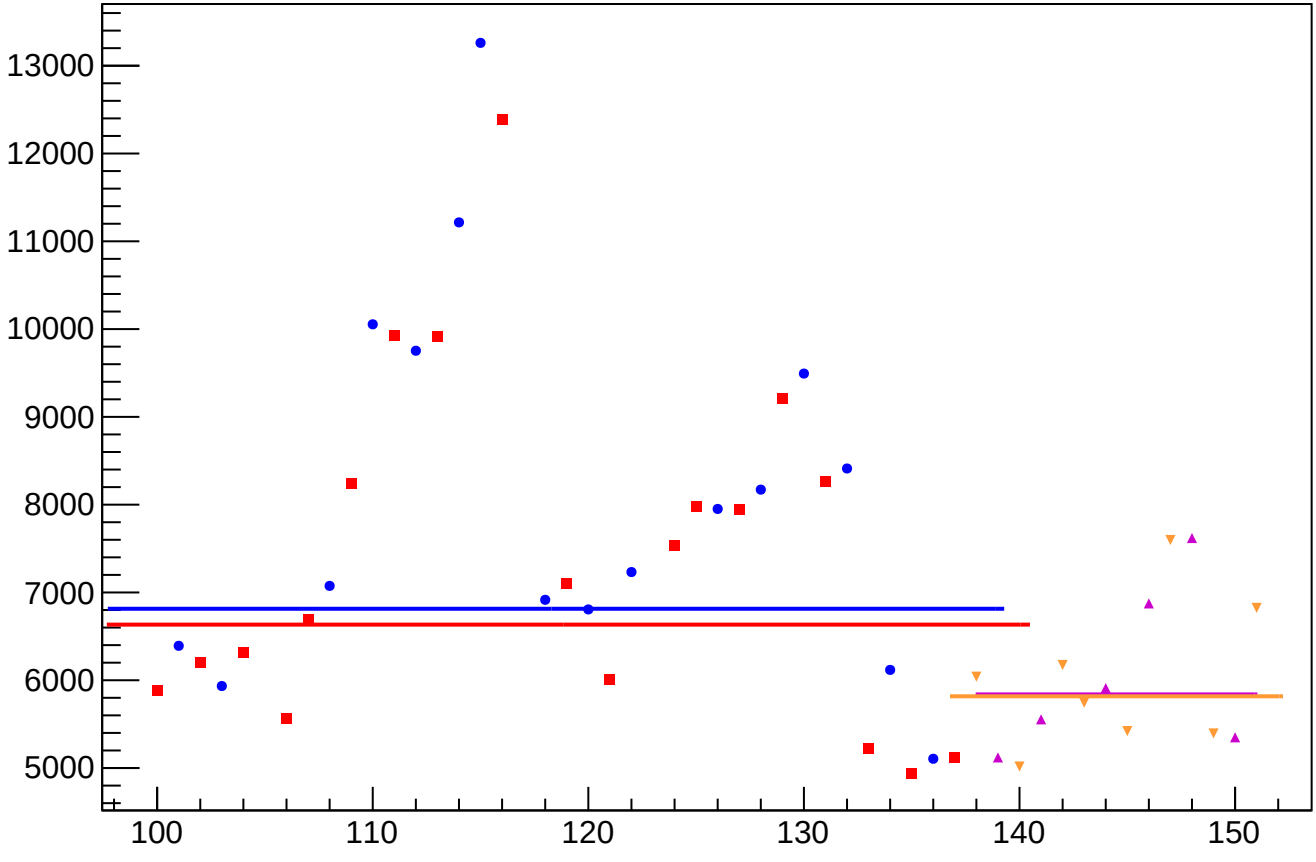
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -3.730+/-1.833 χ^2/NDF:25.2/21

Out: -0.998+/-1.720 χ^2/NDF:28.8/26

All: -2.278+/-1.254 χ^2/NDF: 55.1/48

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5817.177+/-1.675 χ^2/NDF:191351.3/7

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5838.663+/-1.827 χ^2/NDF:181854.4/5

Left: 5826.987+/-1.235 χ^2/NDF: 373280.8/13

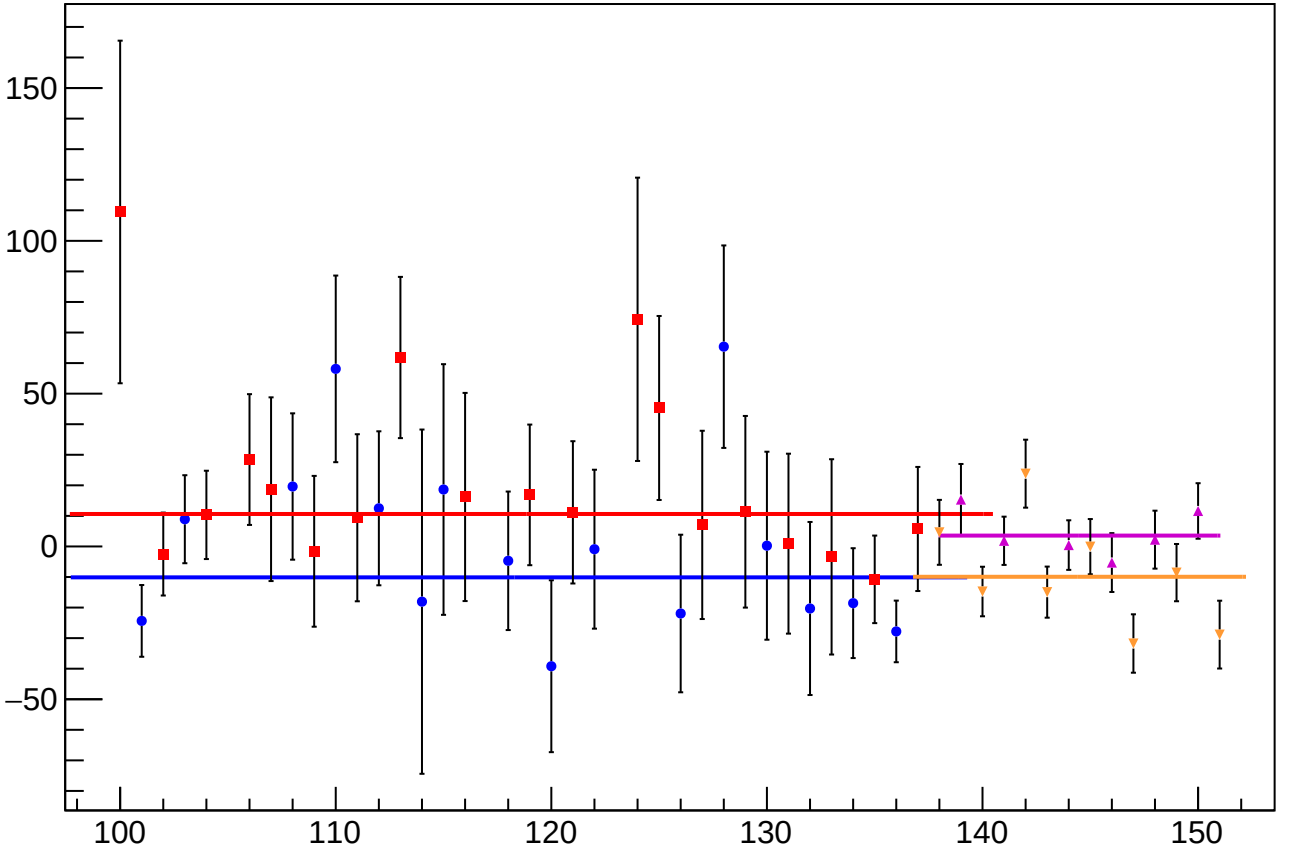
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6323.378+/-1.296 χ^2/NDF:997606.4/21

Out: 6203.064+/-1.216 χ^2/NDF:1067036.0/26

All: 6259.403+/-0.887 χ^2/NDF: 2069224.7/48

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.925+/-3.349 χ^2/NDF:21.1/7

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 3.554+/-3.711 χ^2/NDF:2.9/5

Left: -3.875+/-2.486 χ^2/NDF: 31.3/13

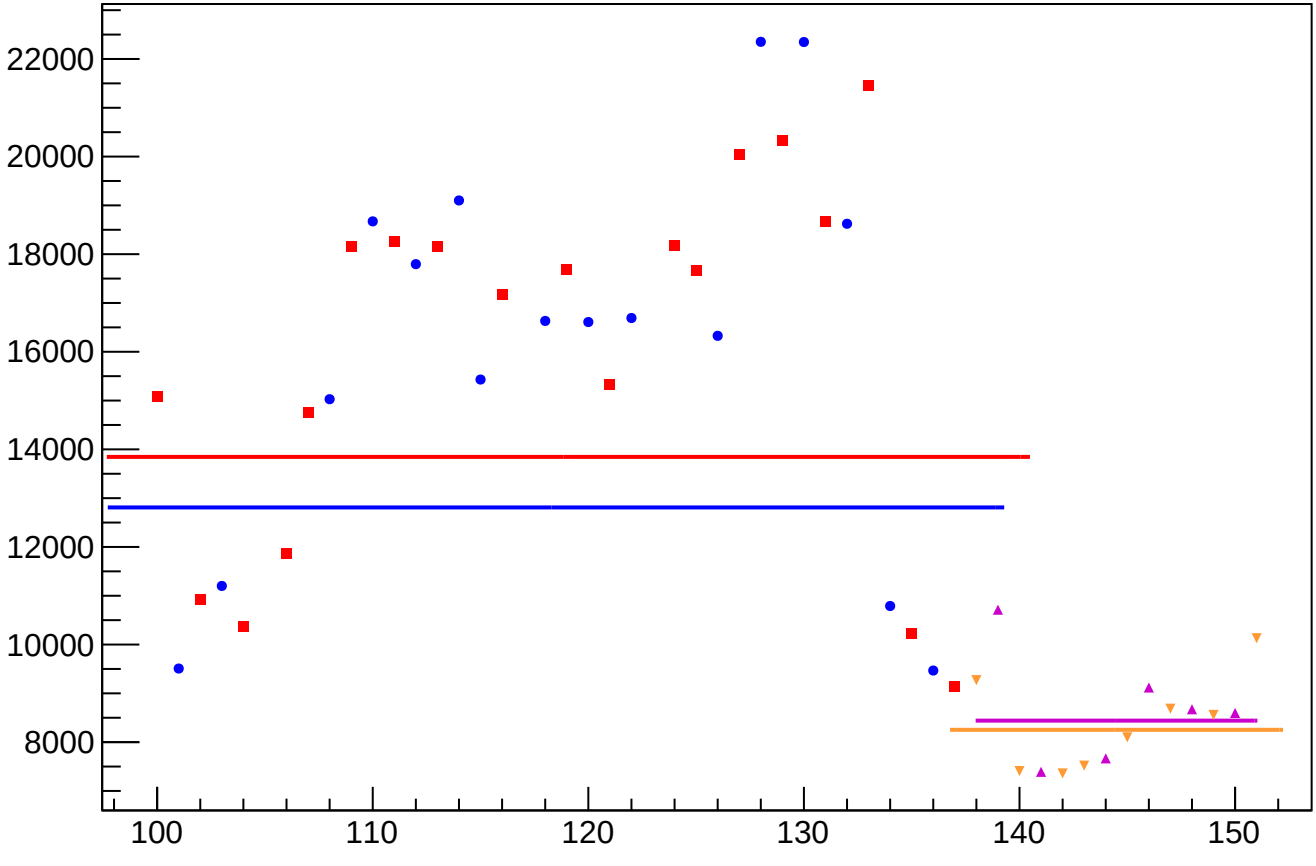
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -1.278+/-2.983 χ^2/NDF:28.9/21

Out: -4.025+/-2.827 χ^2/NDF:46.7/26

All: -2.726+/-2.052 χ^2/NDF: 76.1/48

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8252.757+/-2.368 χ^2/NDF:132466.7/7

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8441.003+/-2.624 χ^2/NDF:141386.6/5

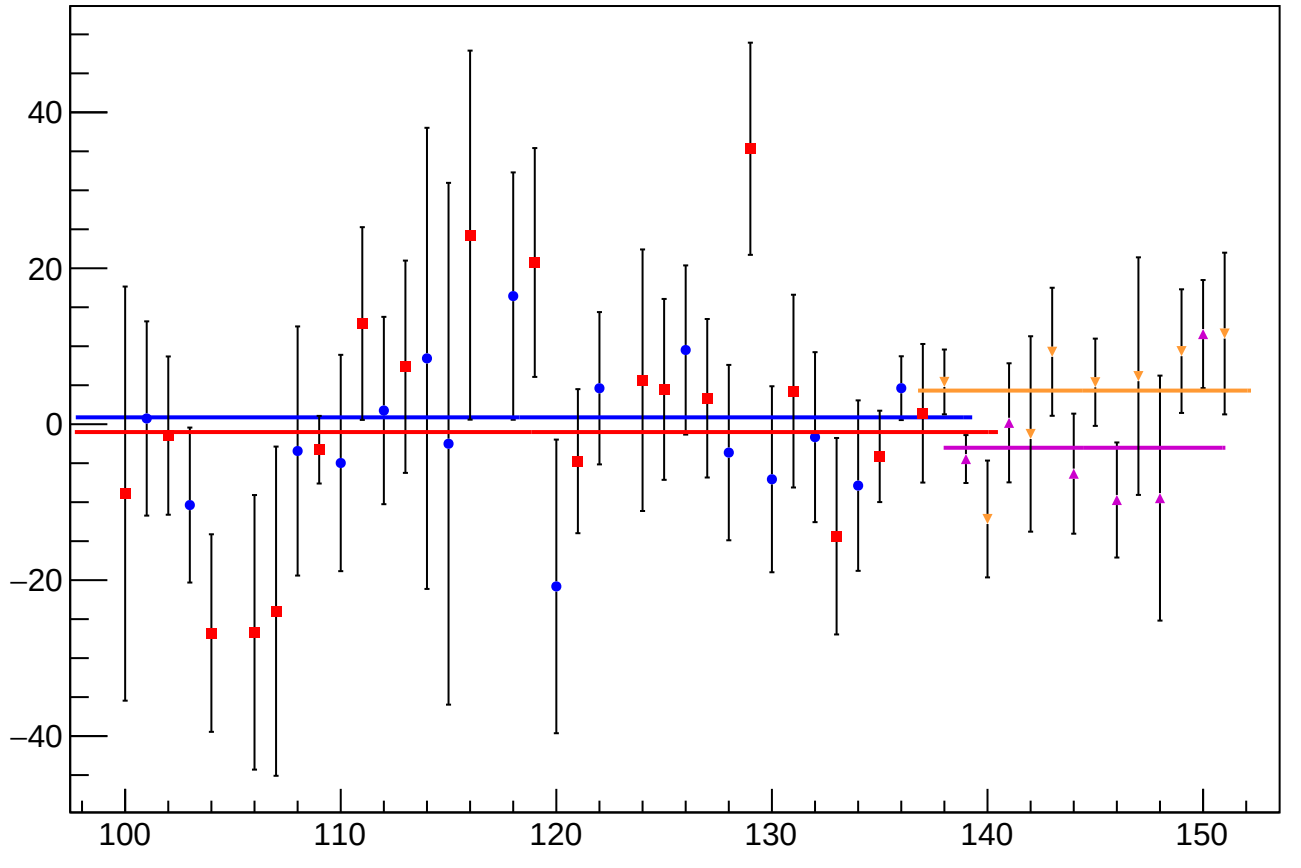
Left: 8337.253+/-1.758 χ^2/NDF: 276690.0/13

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9985.836+/-2.110 χ^2/NDF:2369951.9/21

Out: 9858.585+/-1.999 χ^2/NDF:2830768.3/26

All: 9918.797+/-1.451 χ^2/NDF: 5202637.0/48



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 4.313+/-2.513 χ^2/NDF:6.4/7

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -3.020+/-2.337 χ^2/NDF:6.0/5

Left: 0.381+/-1.711 χ^2/NDF: 17.0/13

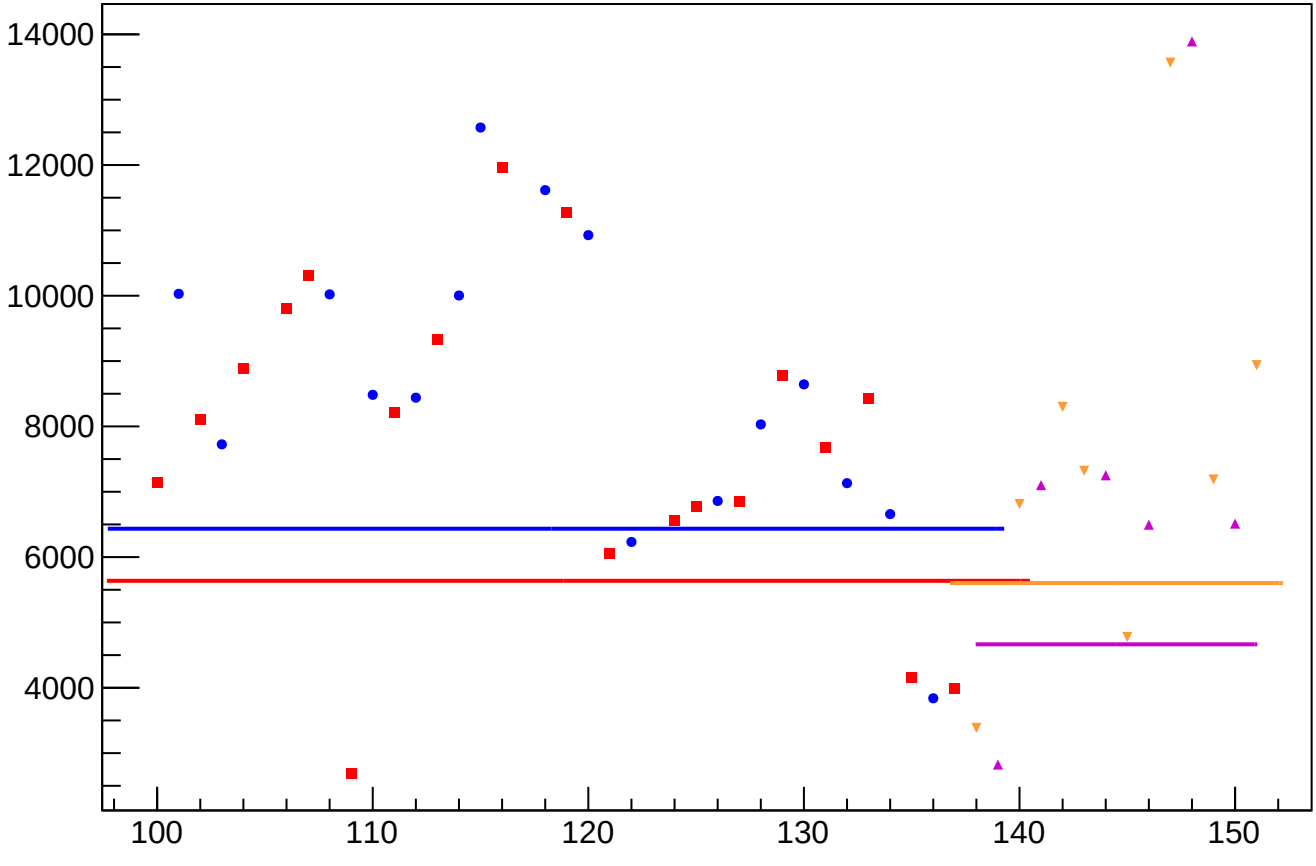
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.252+/-1.728 χ^2/NDF:14.1/21

Out: 1.435+/-1.702 χ^2/NDF:31.2/26

All: 0.112+/-1.212 χ^2/NDF: 46.5/48

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5602.519+/-1.777 χ^2/NDF:1678119.2/7

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4665.155+/-1.652 χ^2/NDF:2101608.1/5

Left: 5099.828+/-1.210 χ^2/NDF: 3928994.6/13

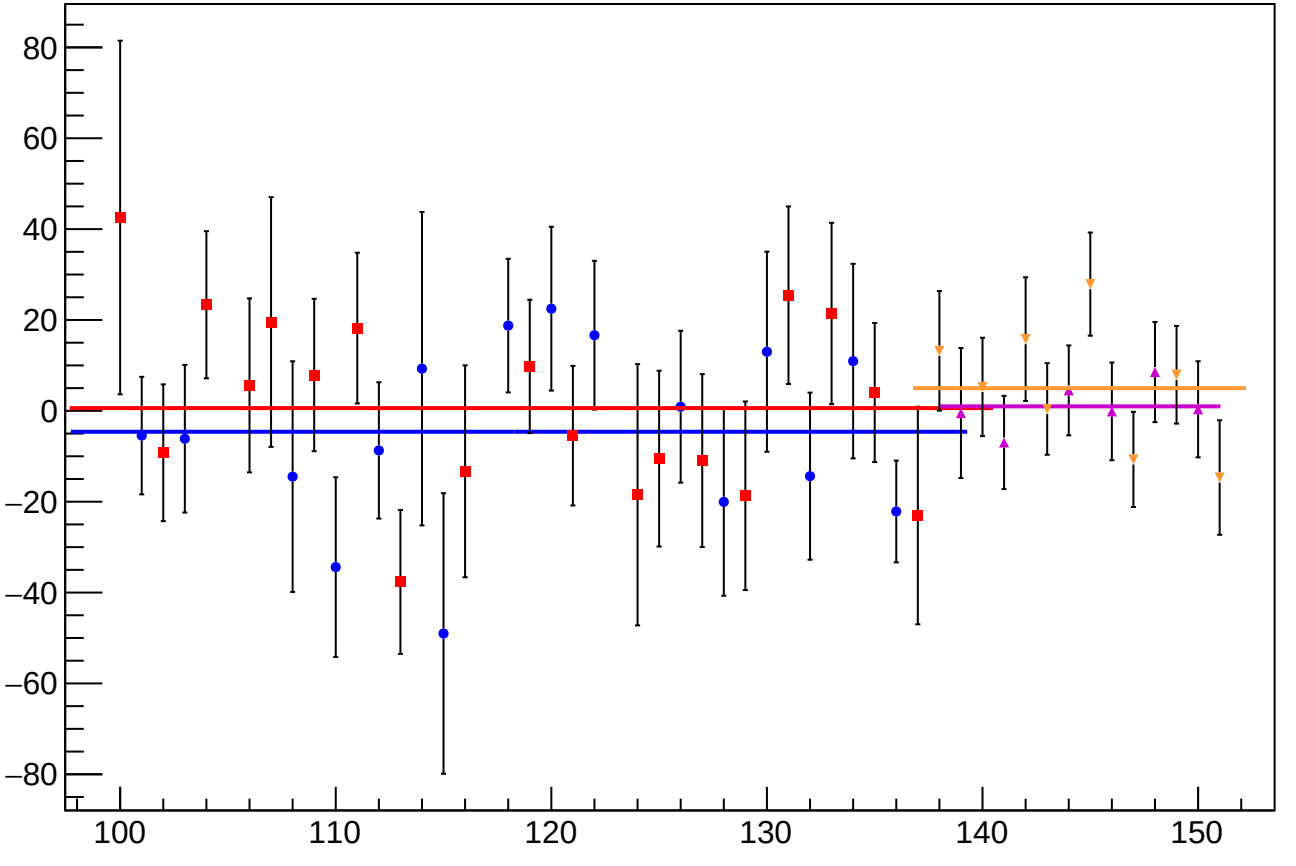
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5467.187+/-1.222 χ^2/NDF:4372108.7/21

Out: 5621.363+/-1.204 χ^2/NDF:4258340.7/26

All: 5545.423+/-0.857 χ^2/NDF: 8638531.9/48

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 4.984+/-4.037 χ^2/NDF:10.0/7

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 0.986+/-4.454 χ^2/NDF:1.2/5

Left: 3.181+/-2.991 χ^2/NDF: 11.7/13

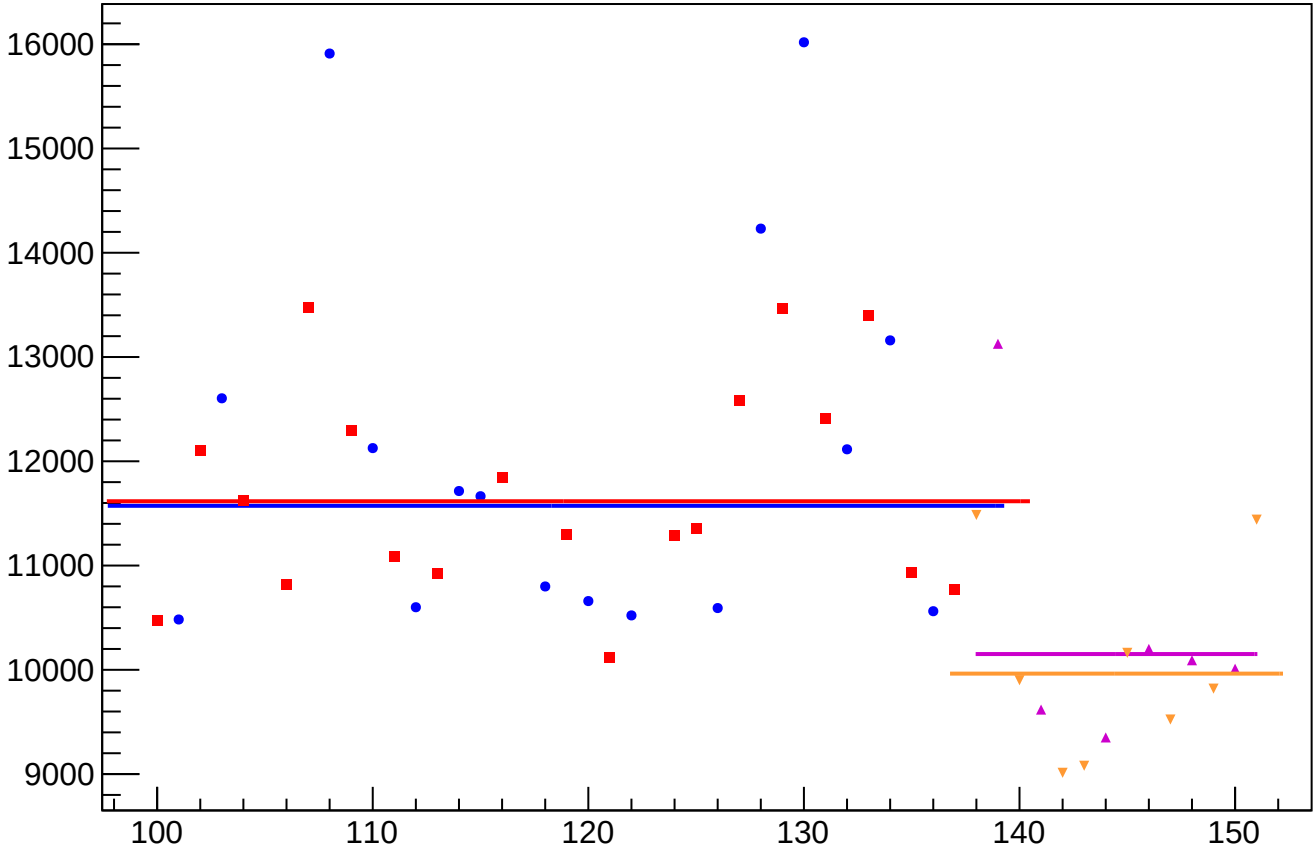
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -1.871+/-3.114 χ^2/NDF:17.8/21

Out: 2.913+/-2.932 χ^2/NDF:28.5/26

All: 0.665+/-2.135 χ^2/NDF: 47.6/48

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 9963.494+/-2.855 χ^2/NDF:83902.6/7

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 10151.248+/-3.150 χ^2/NDF:105436.2/5

Left: 10048.164+/-2.115 χ^2/NDF: 191289.7/13

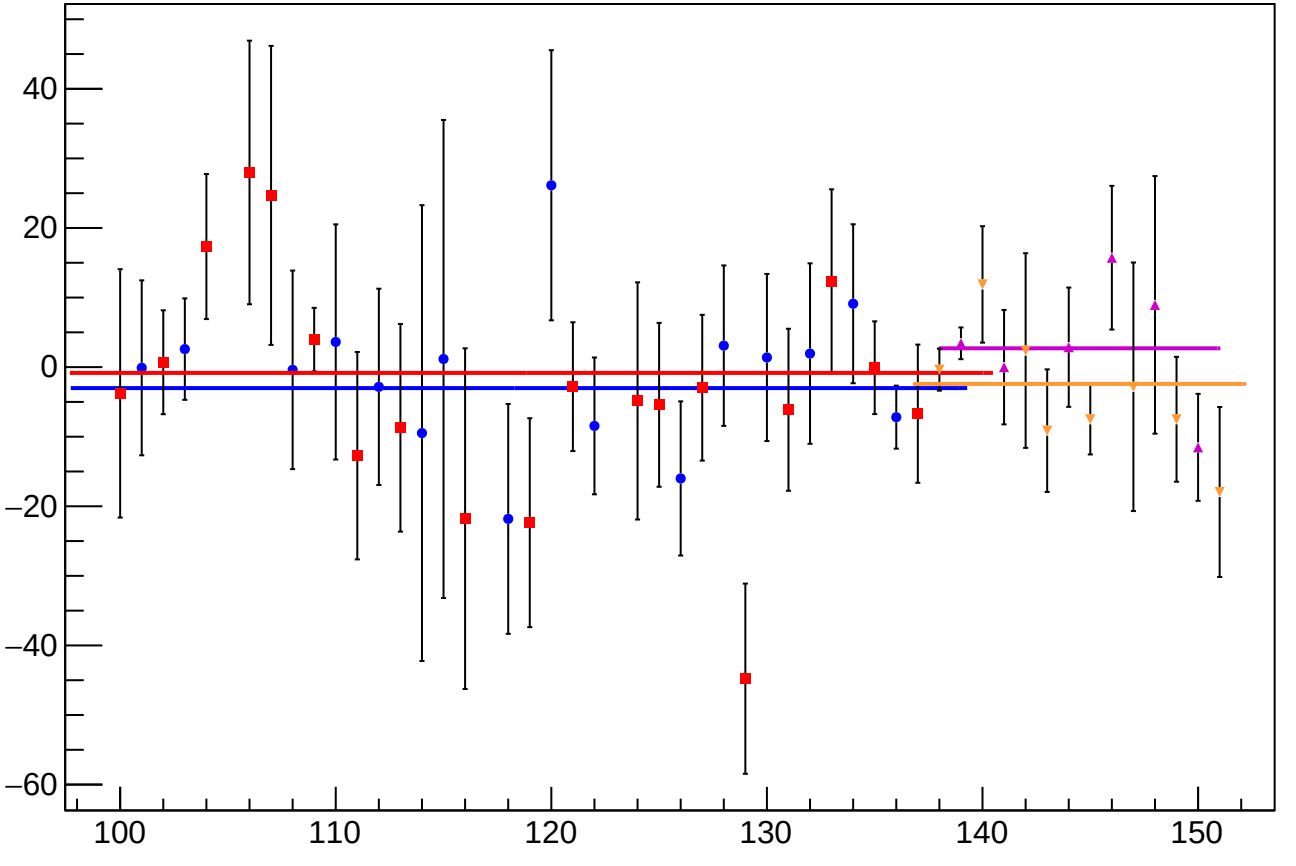
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 10878.240+/-2.202 χ^2/NDF:469696.2/21

Out: 10744.463+/-2.073 χ^2/NDF:335522.5/26

All: 10807.339+/-1.510 χ^2/NDF: 807175.0/48

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -2.413+/-2.217 χ^2/NDF:7.0/7

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 2.704+/-2.000 χ^2/NDF:5.3/5

Left: 0.408+/-1.485 χ^2/NDF: 15.3/13

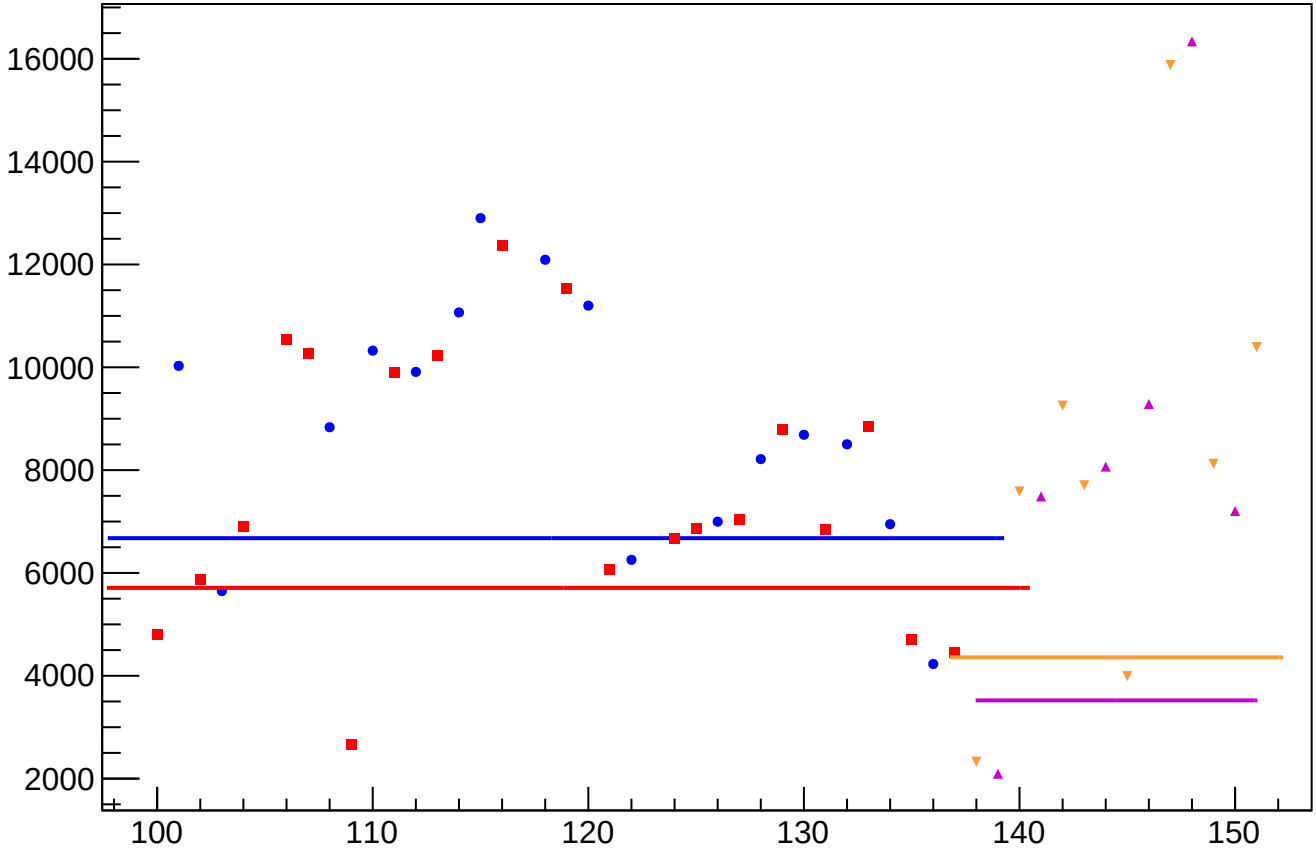
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.633+/-1.597 χ^2/NDF:17.0/21

Out: -1.669+/-1.613 χ^2/NDF:31.1/26

All: -0.507+/-1.135 χ^2/NDF: 49.1/48

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4359.287+/-1.567 χ^2/NDF:3419674.8/7

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 3521.605+/-1.414 χ^2/NDF:3852679.5/5

Left: 3897.550+/-1.050 χ^2/NDF: 7429790.0/13

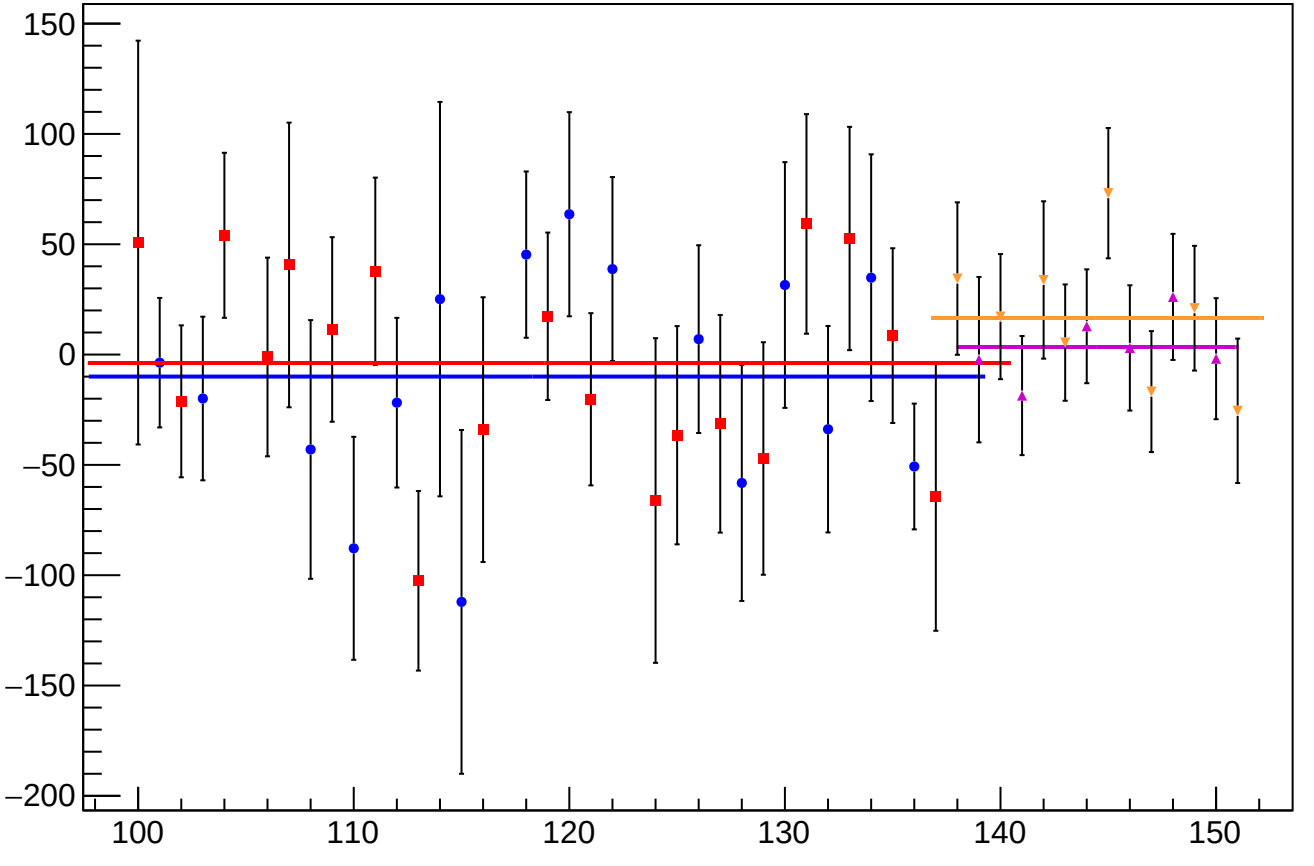
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4664.587+/-1.129 χ^2/NDF:7228485.8/21

Out: 4994.696+/-1.141 χ^2/NDF:6070004.8/26

All: 4828.028+/-0.803 χ^2/NDF: 13340782.9/4

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 16.585+/-10.559 χ^2/NDF:7.5/7

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.436+/-11.641 χ^2/NDF:1.5/5

Left: 10.650+/-7.821 χ^2/NDF: 9.7/13

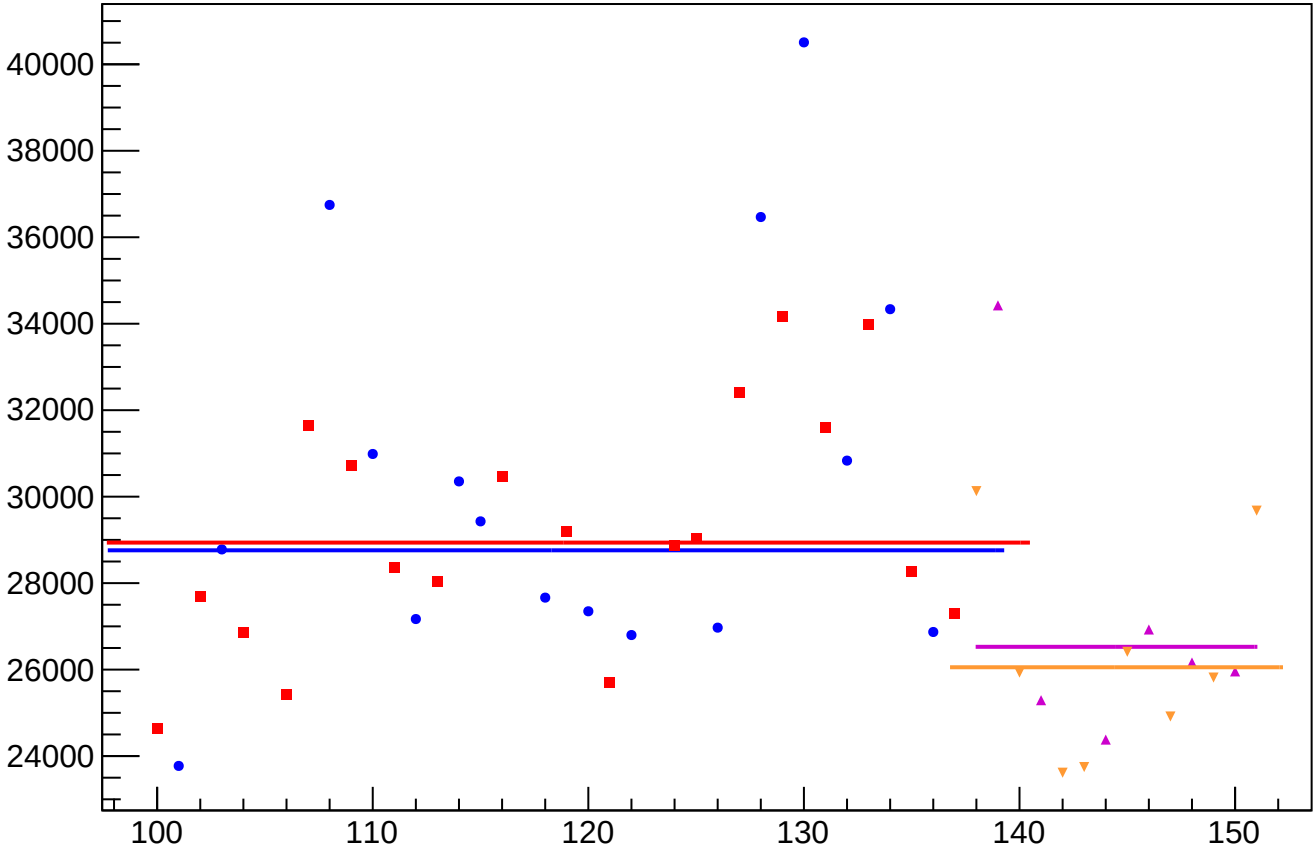
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.746+/-7.932 χ^2/NDF:17.5/21

Out: 6.460+/-7.494 χ^2/NDF:26.7/26

All: 1.647+/-5.447 χ^2/NDF: 45.0/48

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26054.212+/-7.466 χ^2/NDF:80901.4/7

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 26527.155+/-8.232 χ^2/NDF:108352.4/5

Left: 26267.686+/-5.530 χ^2/NDF: 191064.9/13

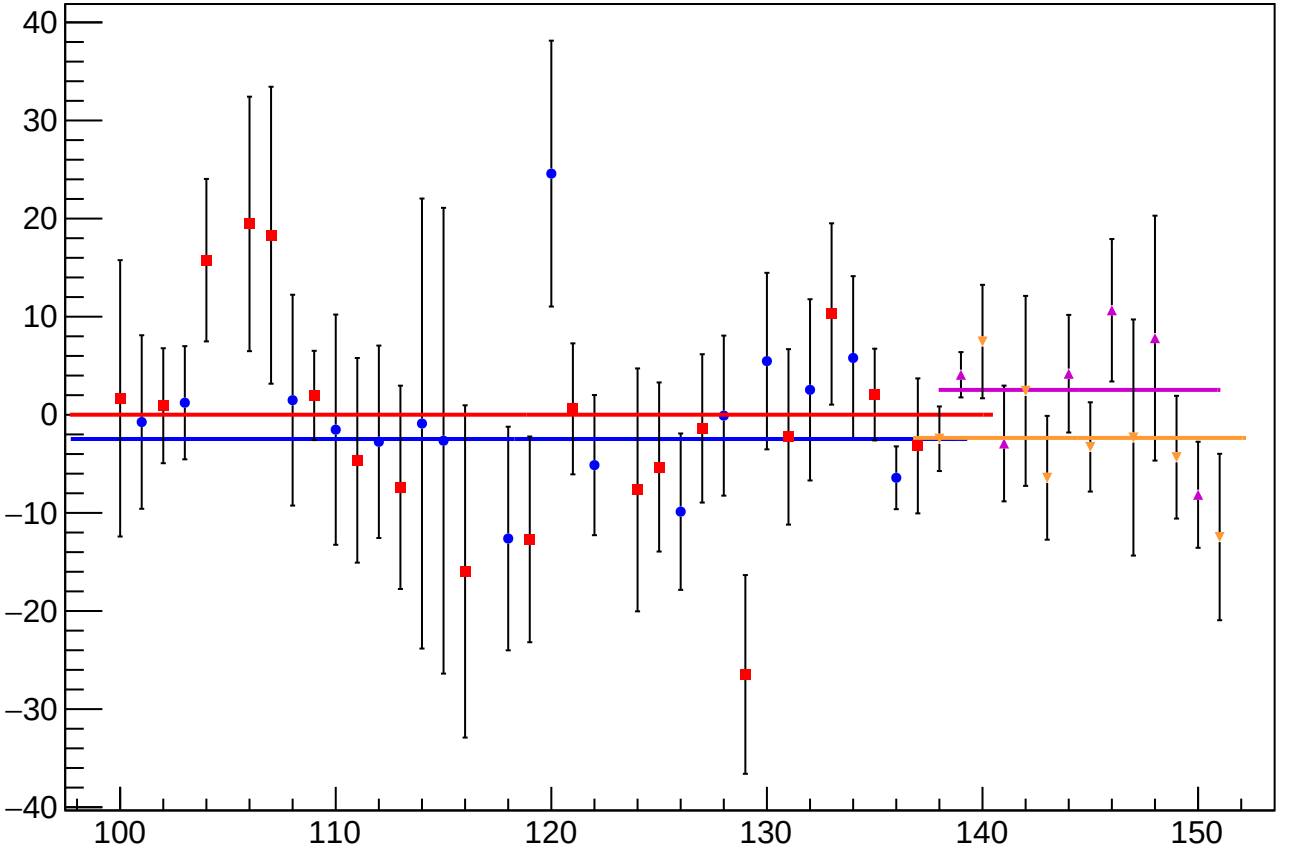
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 27722.948+/-5.609 χ^2/NDF:425380.9/21

Out: 27485.436+/-5.299 χ^2/NDF:261194.1/26

All: 27597.451+/-3.852 χ^2/NDF: 687522.6/48

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -2.356+/-1.990 χ^2/NDF:5.1/7

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.539+/-1.814 χ^2/NDF:6.7/5

Left: 0.317+/-1.341 χ^2/NDF: 15.1/13

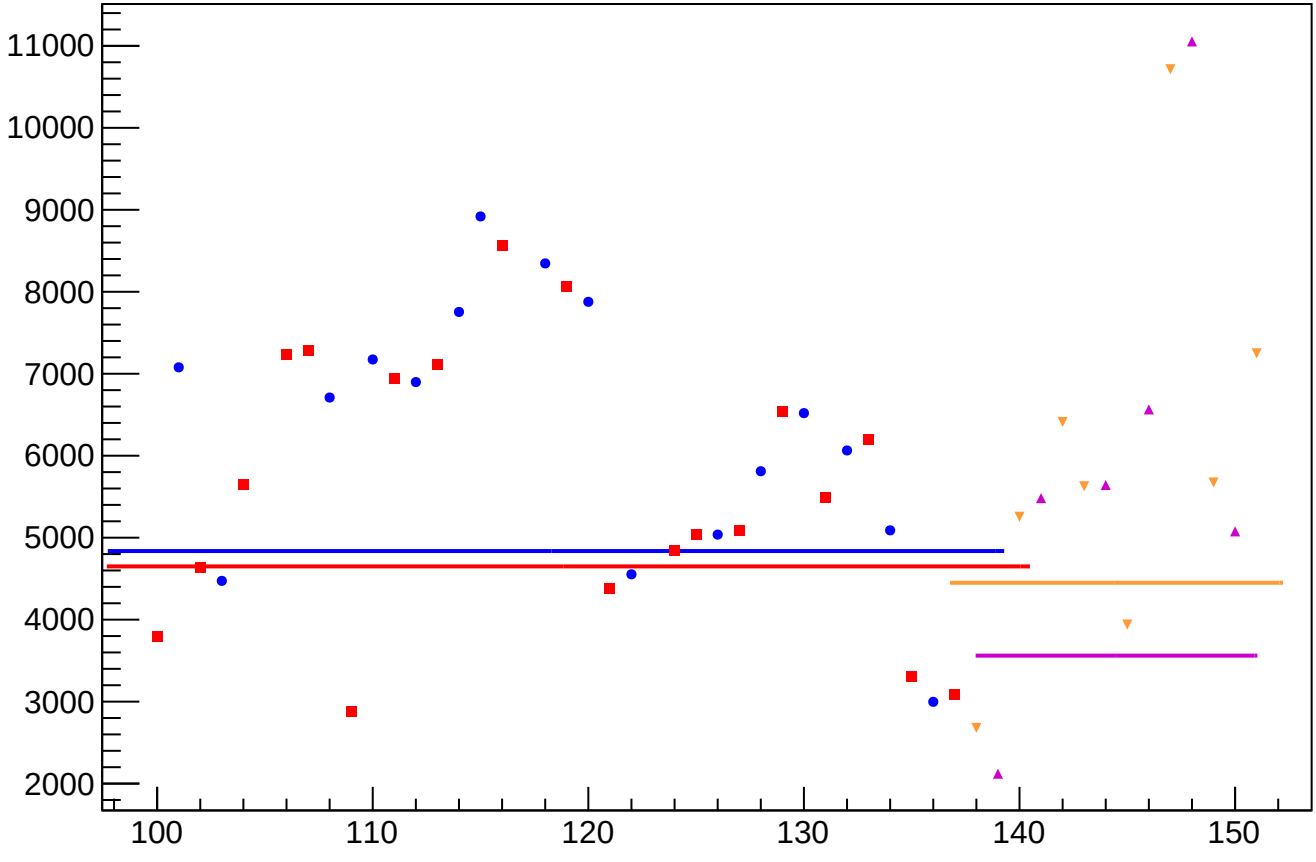
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.172+/-1.317 χ^2/NDF:20.4/21

Out: -1.073+/-1.346 χ^2/NDF:25.8/26

All: -0.437+/-0.942 χ^2/NDF: 46.6/48

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4450.218+/-1.407 χ^2/NDF:1629897.9/7

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 3561.252+/-1.283 χ^2/NDF:2452254.5/5

Left: 3964.813+/-0.948 χ^2/NDF: 4300122.4/13

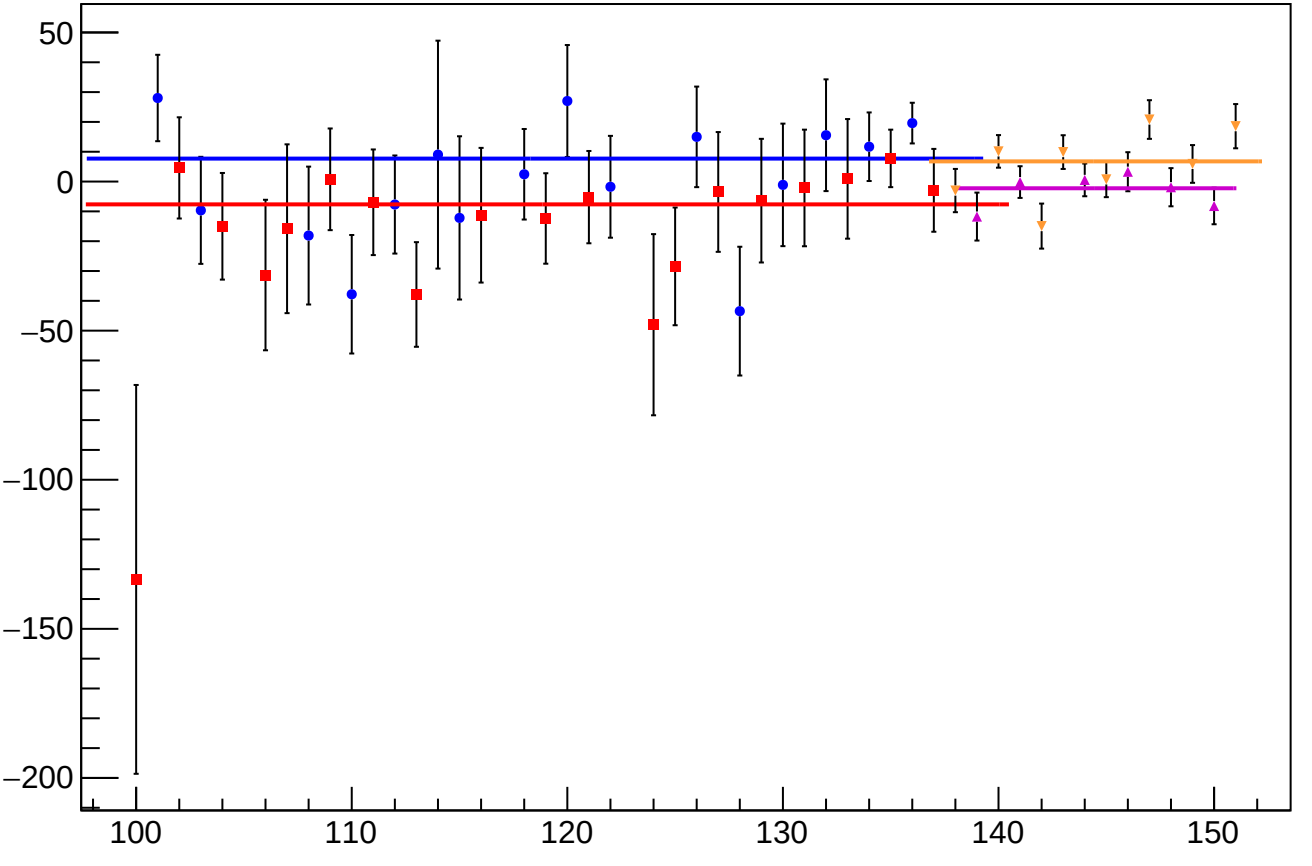
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4164.582+/-0.931 χ^2/NDF:4467736.6/21

Out: 4558.344+/-0.952 χ^2/NDF:3075337.1/26

All: 4357.185+/-0.666 χ^2/NDF: 7630485.8/48

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.768+/-2.257 χ^2/NDF:19.0/7

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -2.251+/-2.512 χ^2/NDF:3.5/5

Left: 2.740+/-1.679 χ^2/NDF: 29.6/13

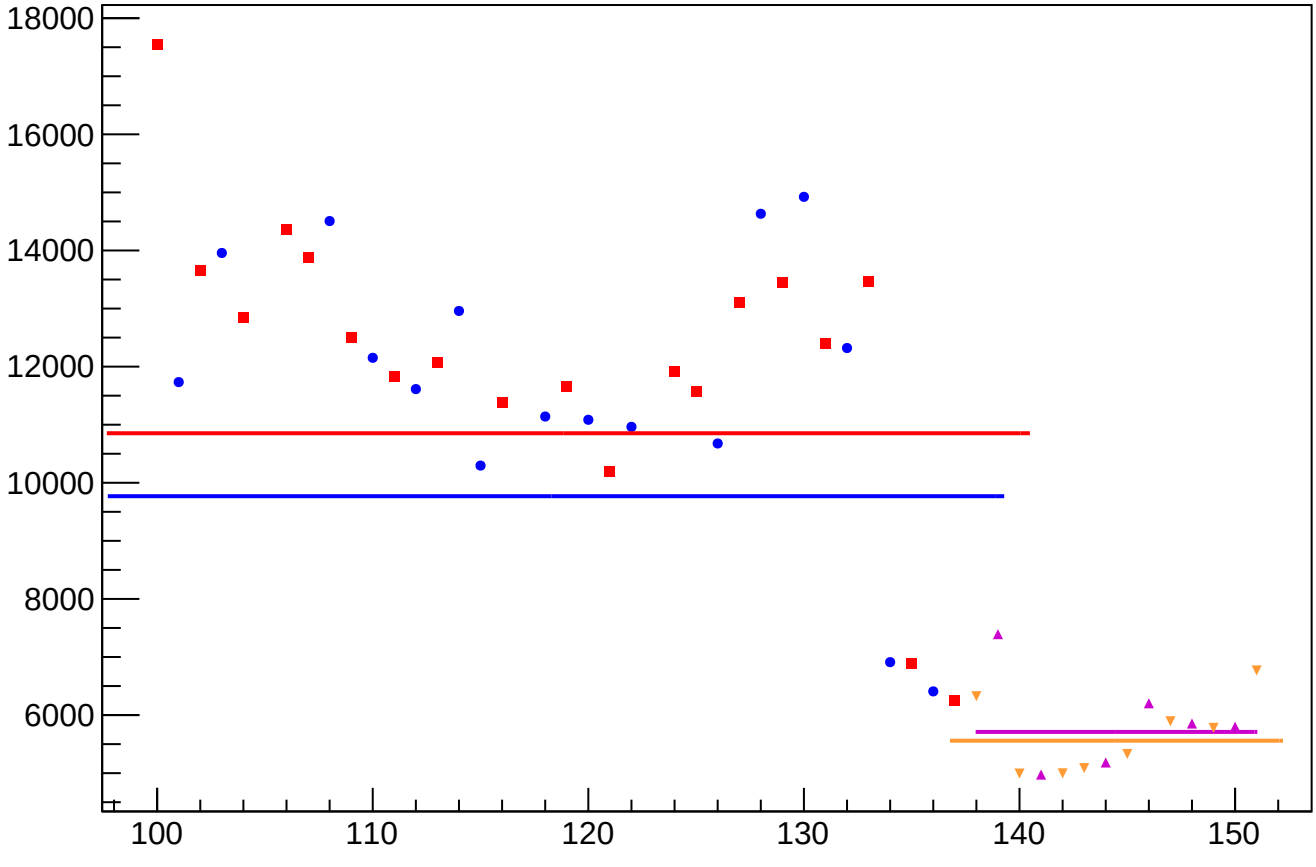
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.753+/-2.099 χ^2/NDF:29.8/21

Out: 3.415+/-1.977 χ^2/NDF:43.1/26

All: 2.163+/-1.439 χ^2/NDF: 73.8/48

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5558.805+/-1.596 χ^2/NDF:132606.5/7

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5710.112+/-1.776 χ^2/NDF:157137.6/5

Left: 5626.378+/-1.187 χ^2/NDF: 293759.4/13

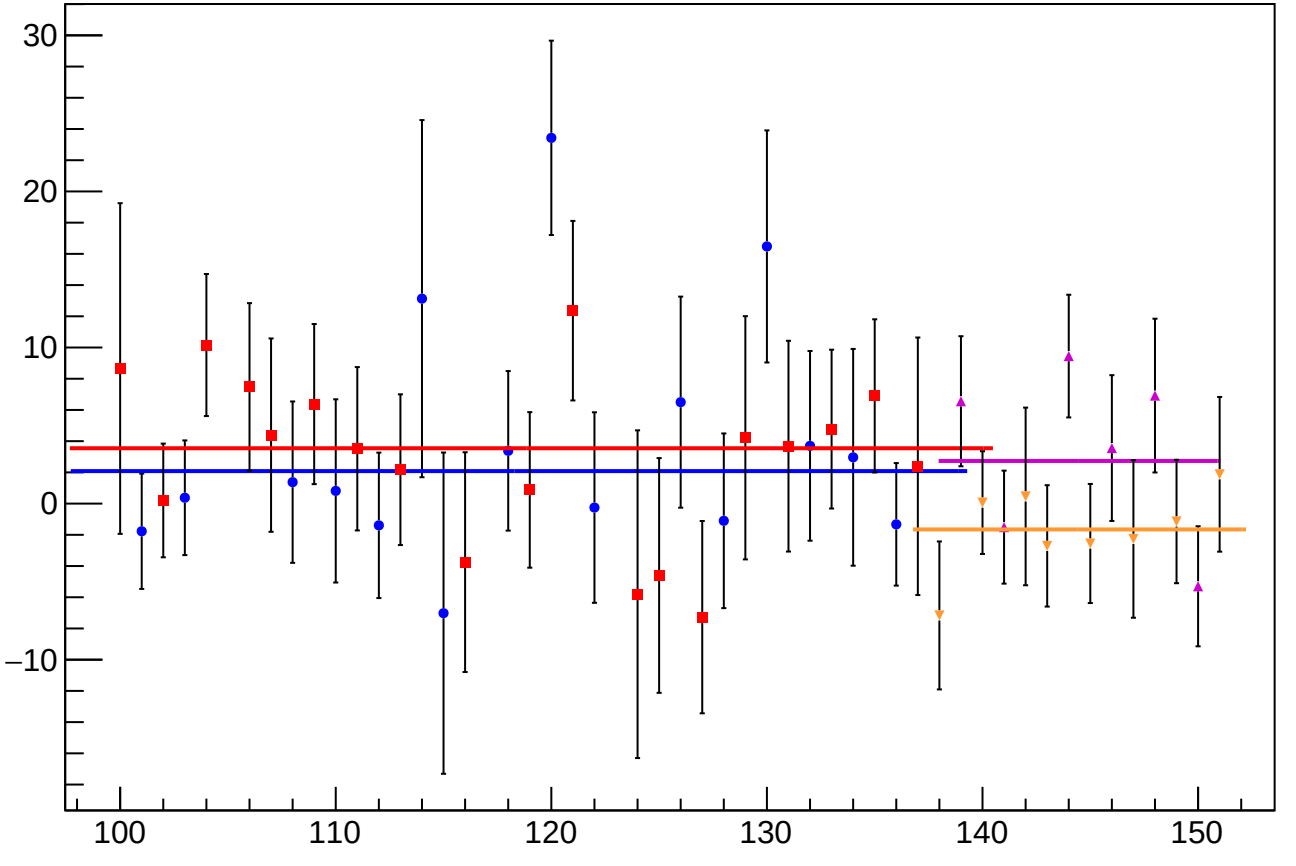
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6935.515+/-1.484 χ^2/NDF:2947078.8/21

Out: 6790.106+/-1.398 χ^2/NDF:3567227.9/26

All: 6858.463+/-1.018 χ^2/NDF: 6519393.5/48

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -1.656+/-1.497 χ^2/NDF:2.4/7

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 2.732+/-1.682 χ^2/NDF:10.2/5

Left: 0.283+/-1.118 χ^2/NDF: 16.5/13

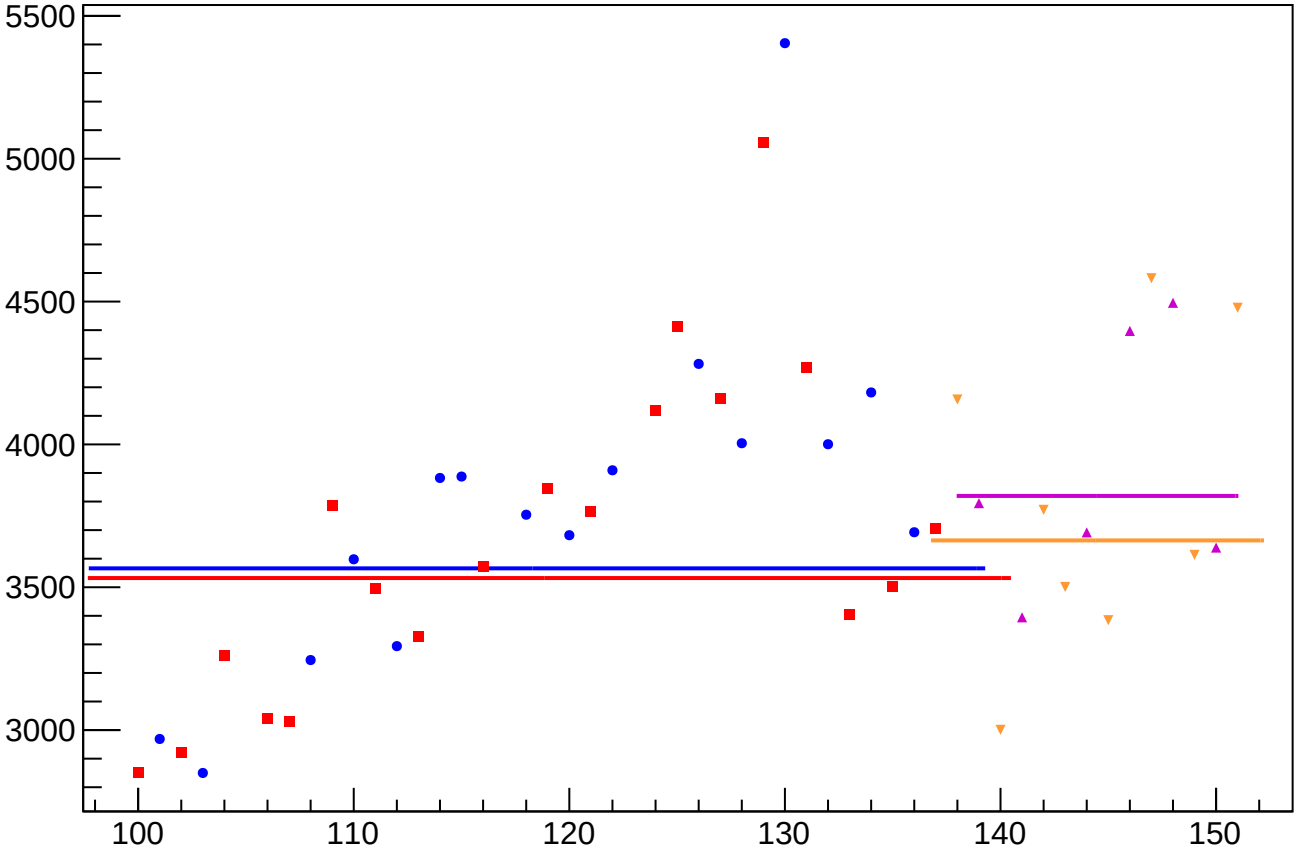
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.335+/-1.051 χ^2/NDF:31.3/21

Out: 1.301+/-0.983 χ^2/NDF:22.7/26

All: 1.784+/-0.718 χ^2/NDF: 54.6/48

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3663.953+/-1.058 χ^2/NDF:238199.9/7

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3819.656+/-1.190 χ^2/NDF:102453.0/5

Left: 3732.746+/-0.791 χ^2/NDF: 350216.0/13

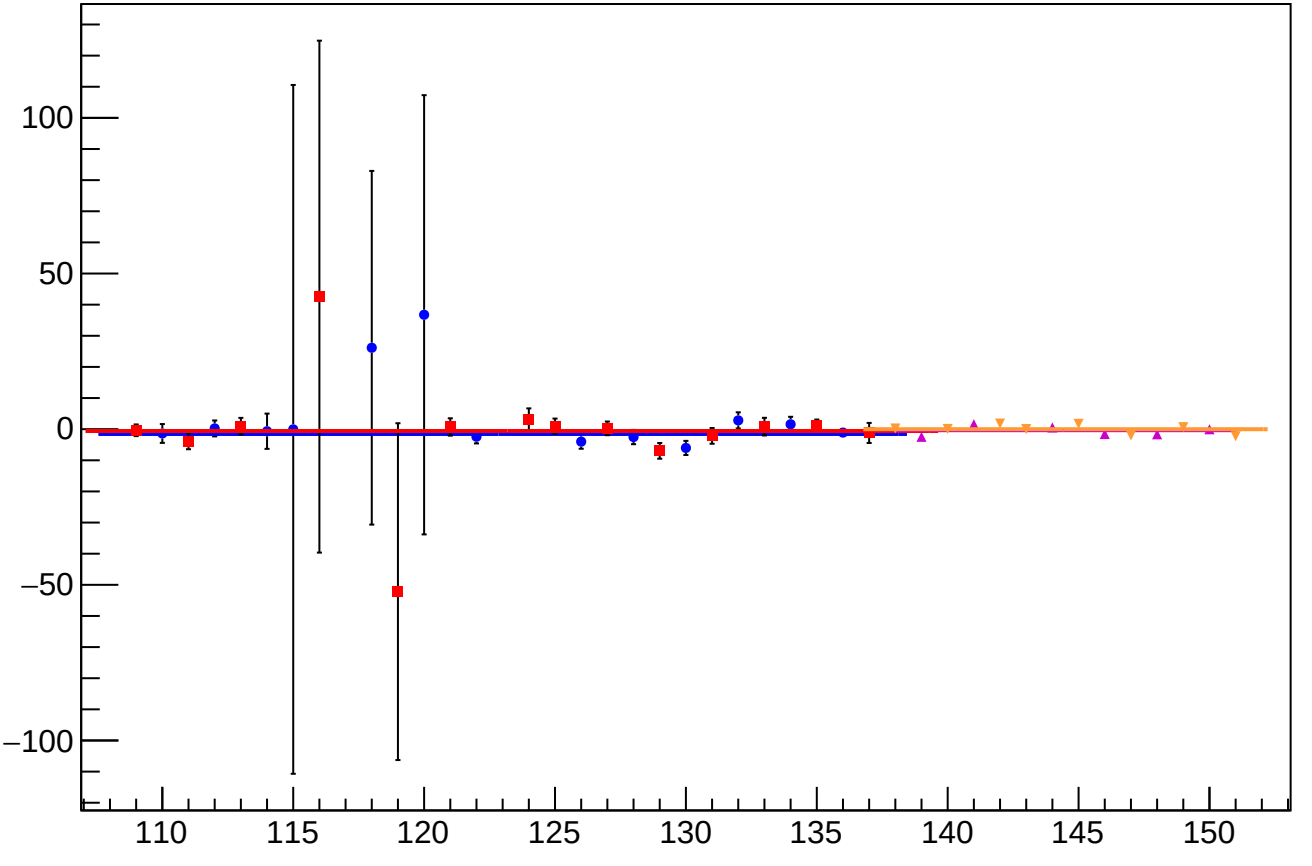
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3665.033+/-0.743 χ^2/NDF:471259.3/21

Out: 3589.056+/-0.695 χ^2/NDF:525703.7/26

All: 3624.529+/-0.508 χ^2/NDF: 1002538.2/48

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.010+/-0.410 χ^2/NDF:11.1/7

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.325+/-0.447 χ^2/NDF:10.0/5

Left: -0.154+/-0.302 χ^2/NDF: 21.3/13

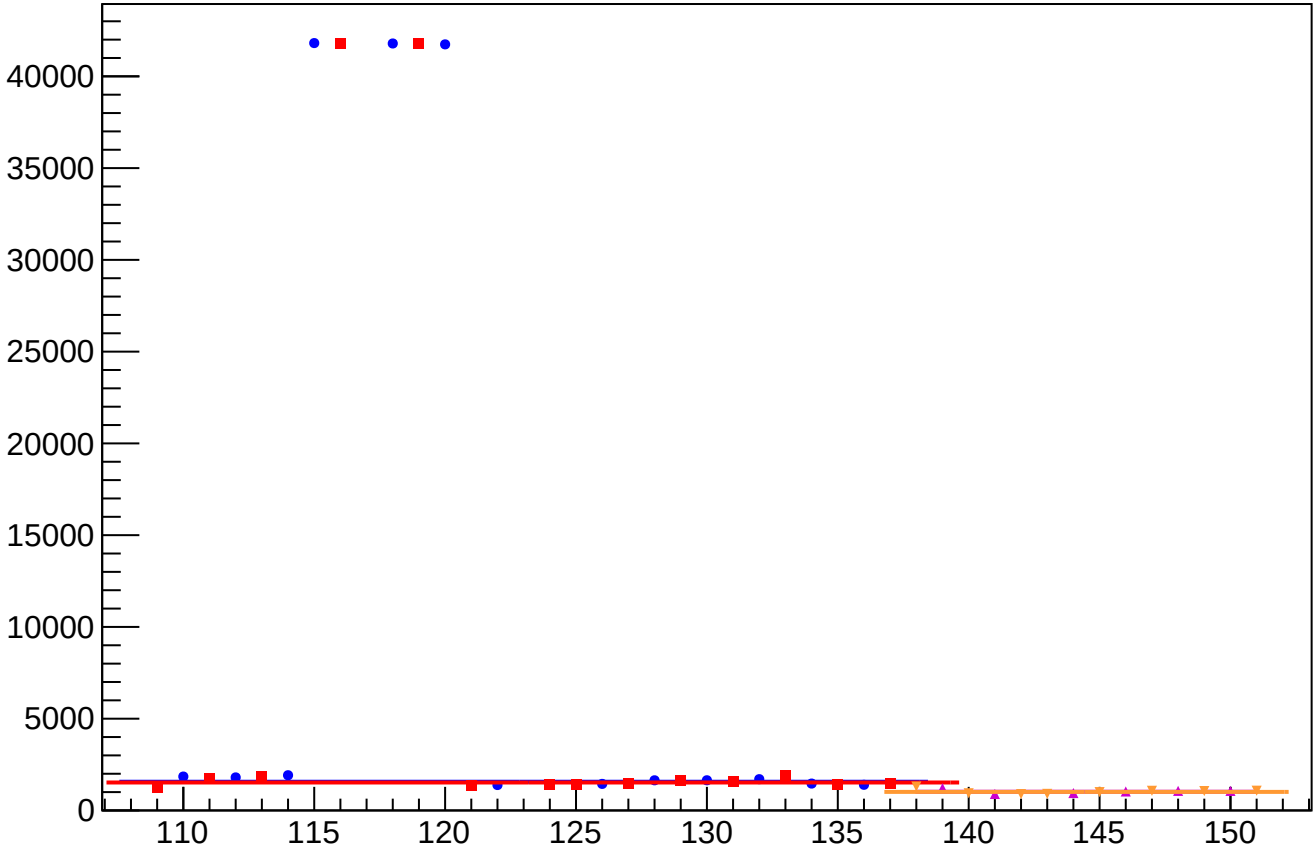
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.654+/-0.382 χ^2/NDF:23.0/18

Out: -0.152+/-0.356 χ^2/NDF:24.3/21

All: -0.385+/-0.260 χ^2/NDF: 48.2/40

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1011.168+/-0.290 χ^2/NDF:140774.4/7

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1018.565+/-0.316 χ^2/NDF:93153.2/5

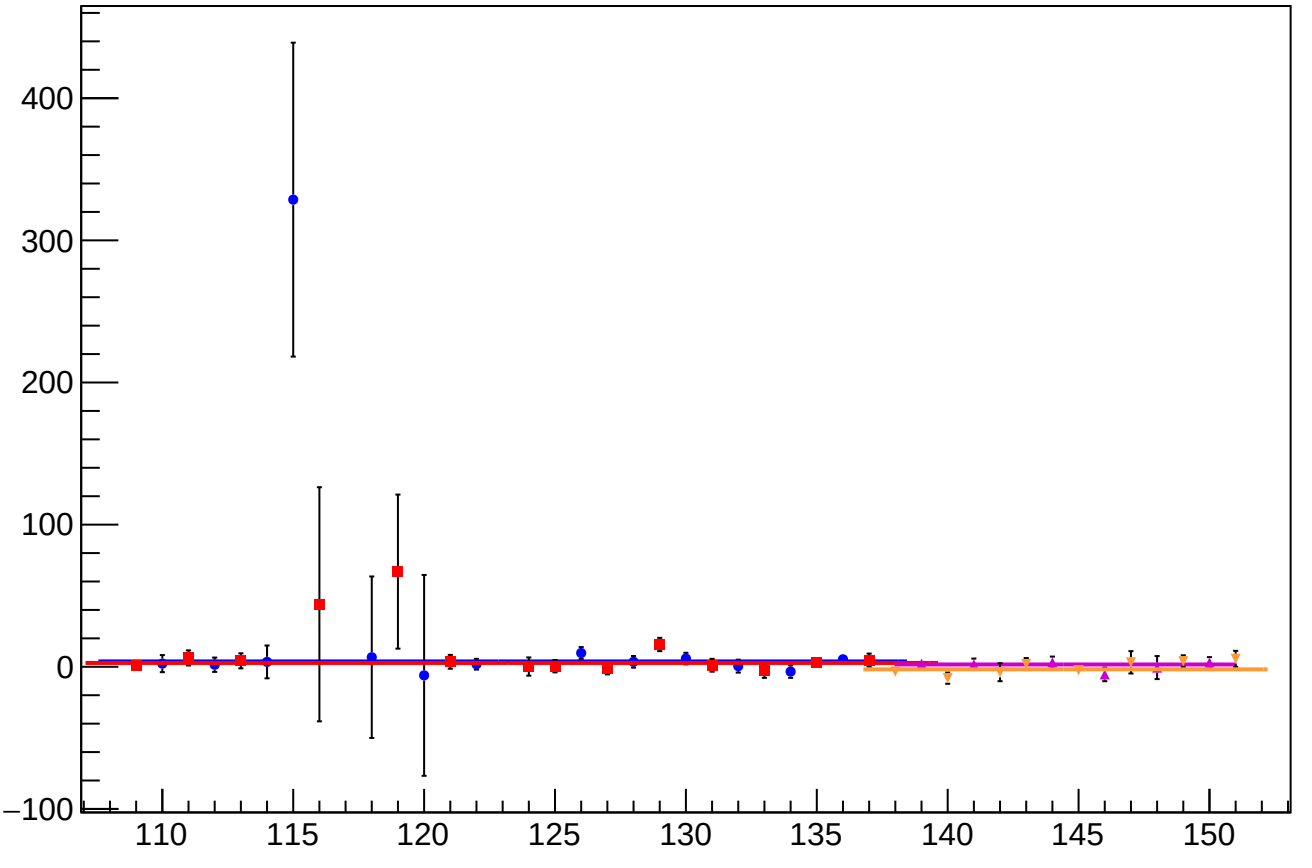
Left: 1014.543+/-0.214 χ^2/NDF: 234224.9/13

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1166.762+/-0.270 χ^2/NDF:2918373.3/18

Out: 1137.367+/-0.252 χ^2/NDF:2650474.4/21

All: 1151.031+/-0.184 χ^2/NDF: 5575191.6/40



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.801+/-1.334 χ^2/NDF:7.9/7

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 1.630+/-1.446 χ^2/NDF:2.6/5

Left: -0.225+/-0.981 χ^2/NDF: 13.5/13

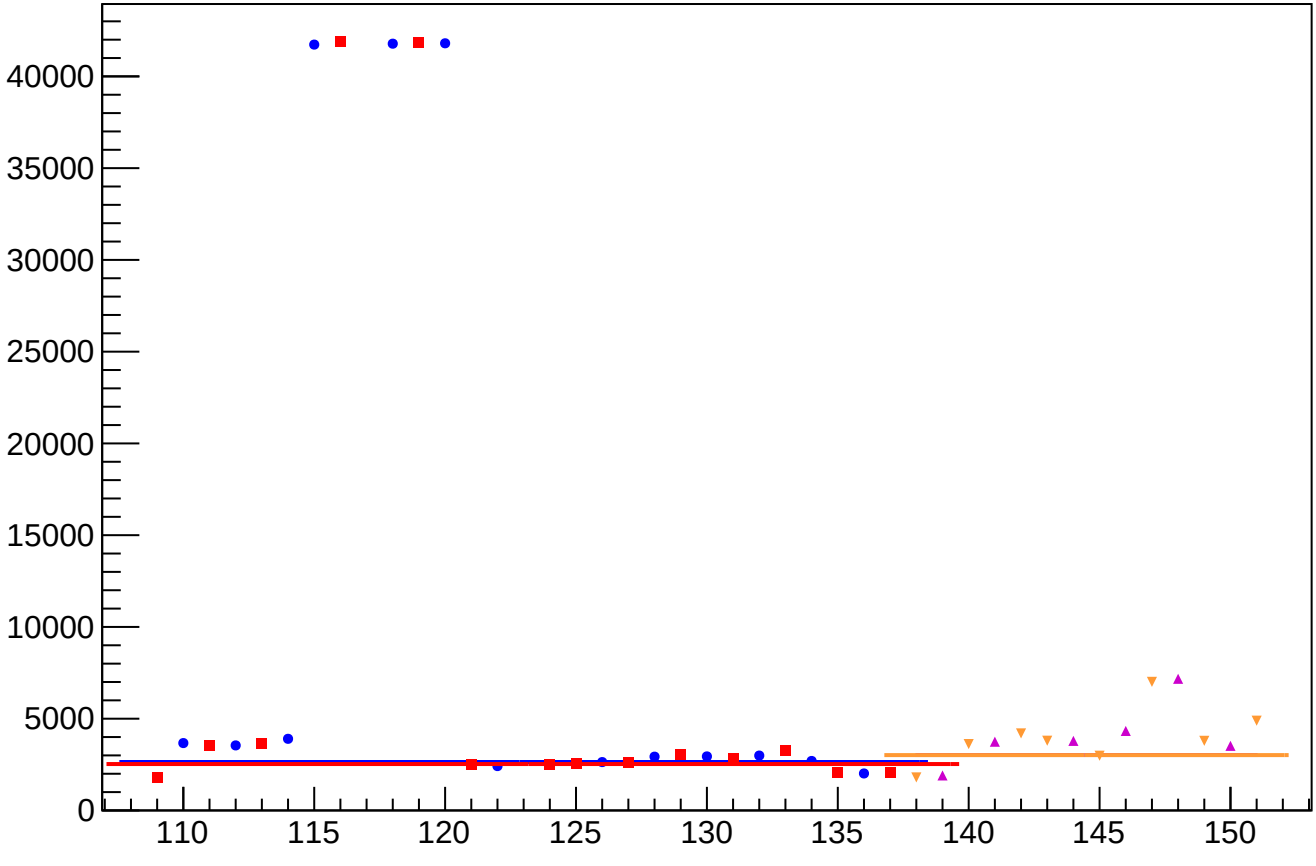
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.860+/-0.945 χ^2/NDF:19.0/18

Out: 0.671+/-0.897 χ^2/NDF:27.8/21

All: 1.708+/-0.650 χ^2/NDF: 49.6/40

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3016.419+/-0.943 χ^2/NDF:1663829.1/7

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3021.015+/-1.023 χ^2/NDF:1405514.0/5

Left: 3018.531+/-0.693 χ^2/NDF: 3069354.1/13

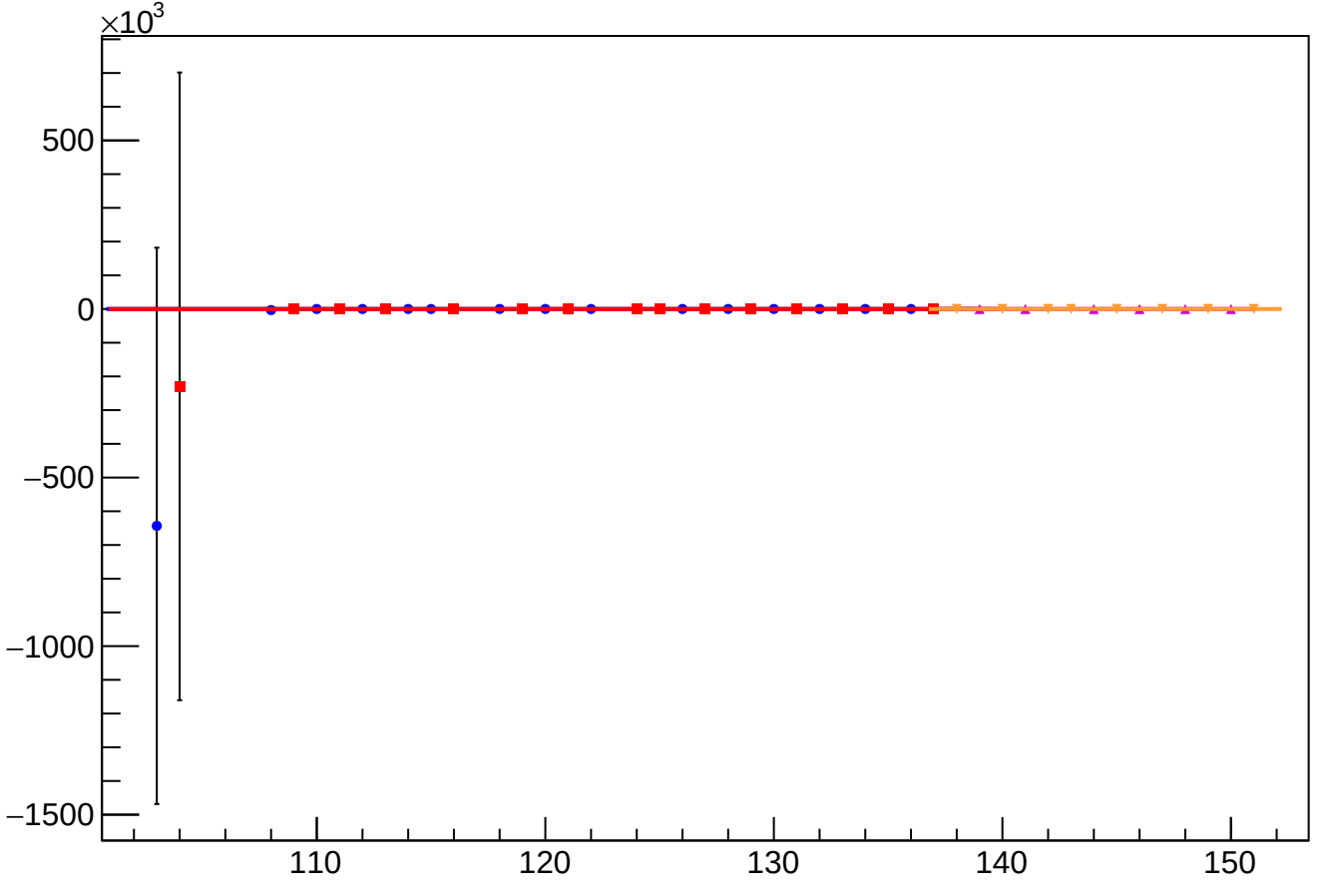
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2802.616+/-0.668 χ^2/NDF:3658468.8/18

Out: 2749.252+/-0.634 χ^2/NDF:3760165.6/21

All: 2774.529+/-0.460 χ^2/NDF: 7421990.8/40

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.487+/-0.626 χ^2/NDF:18.2/7

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.836+/-0.690 χ^2/NDF:1.2/5

Left: -0.439+/-0.464 χ^2/NDF: 25.6/13

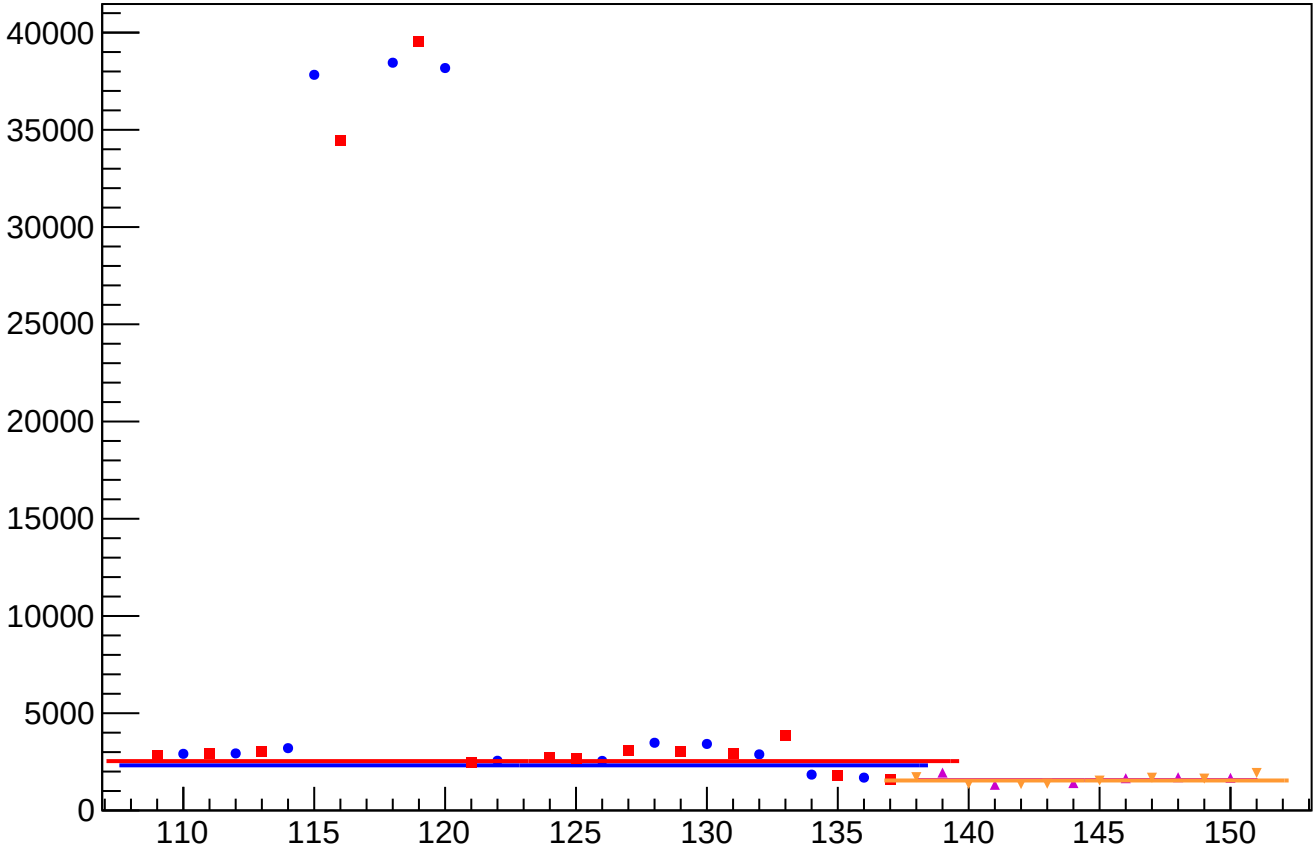
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.276+/-0.588 χ^2/NDF:22.3/20

Out: -0.612+/-0.556 χ^2/NDF:42.0/22

All: -0.193+/-0.404 χ^2/NDF: 65.5/43

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1541.094+/-0.442 χ^2/NDF:170065.9/7

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1566.154+/-0.488 χ^2/NDF:172569.6/5

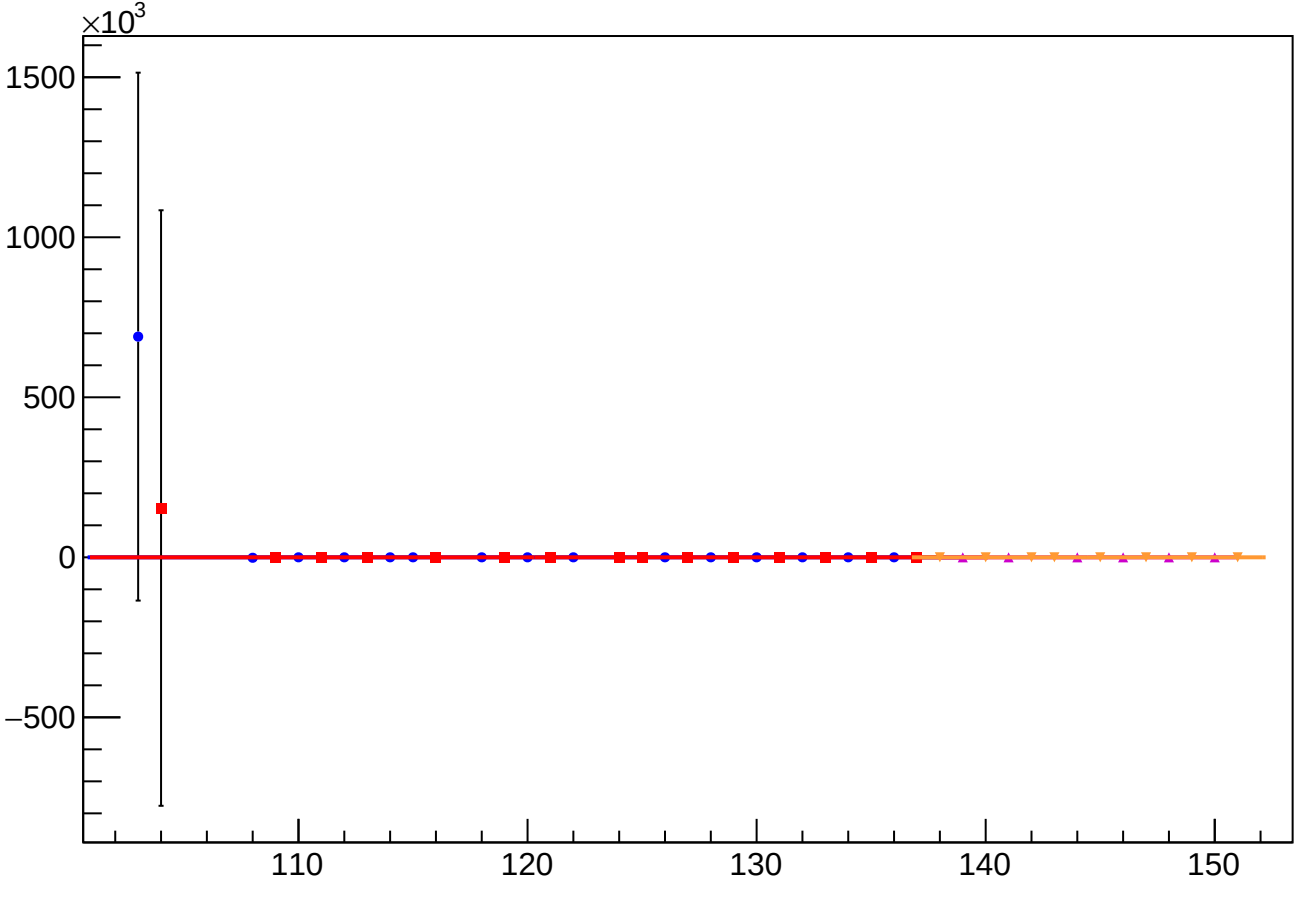
Left: 1552.398+/-0.328 χ^2/NDF: 344082.8/13

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1772.350+/-0.416 χ^2/NDF:3287009.9/18

Out: 1751.028+/-0.393 χ^2/NDF:3276982.2/21

All: 1761.085+/-0.286 χ^2/NDF: 6565379.9/40



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.623+/-0.899 χ^2/NDF:10.4/7

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.223+/-0.881 χ^2/NDF:2.6/5

Left: -0.420+/-0.629 χ^2/NDF: 13.1/13

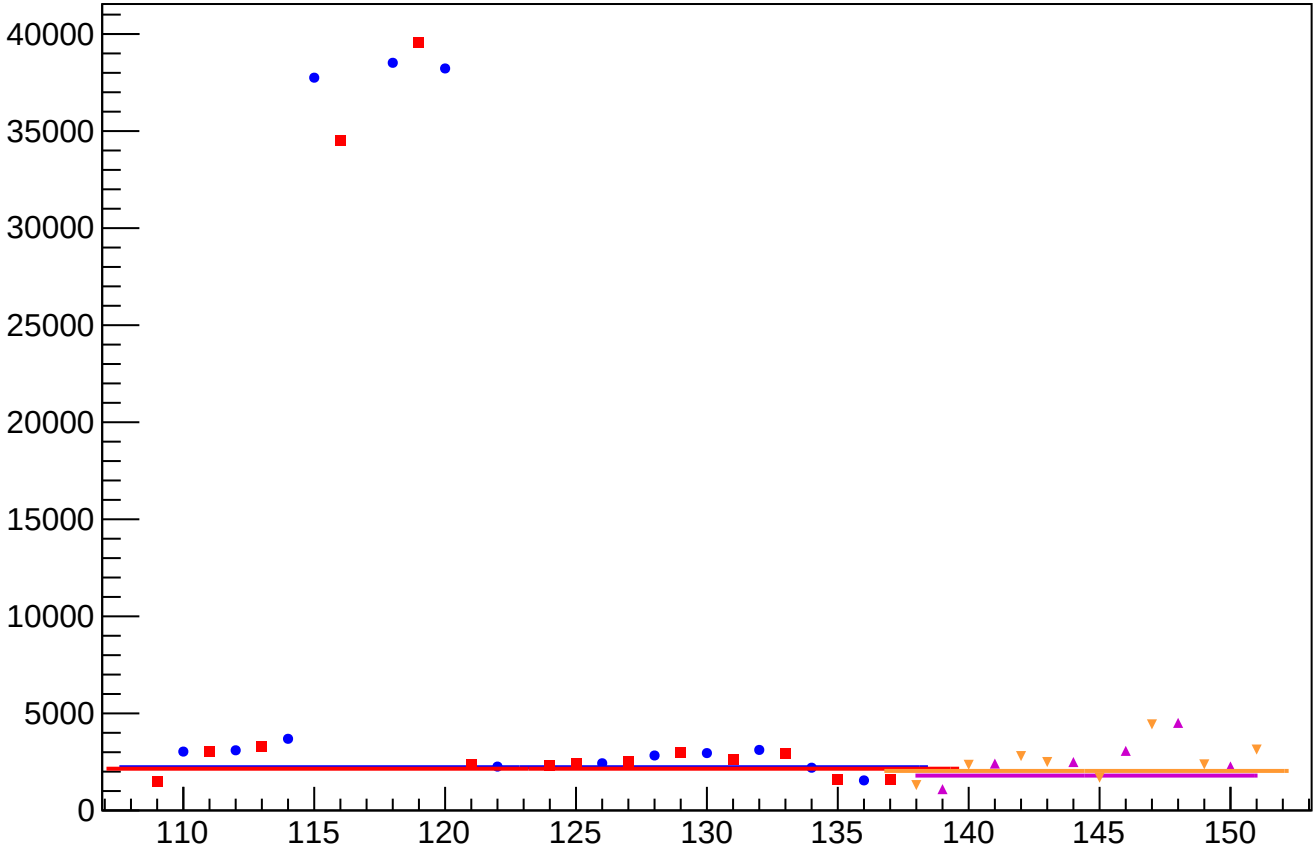
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.552+/-0.682 χ^2/NDF:9.5/20

Out: 0.439+/-0.683 χ^2/NDF:29.0/22

All: 0.495+/-0.483 χ^2/NDF: 38.5/43

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2036.412+/-0.635 χ^2/NDF:1308009.4/7

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1795.725+/-0.623 χ^2/NDF:1865388.5/5

Left: 1913.718+/-0.445 χ^2/NDF: 3246526.6/13

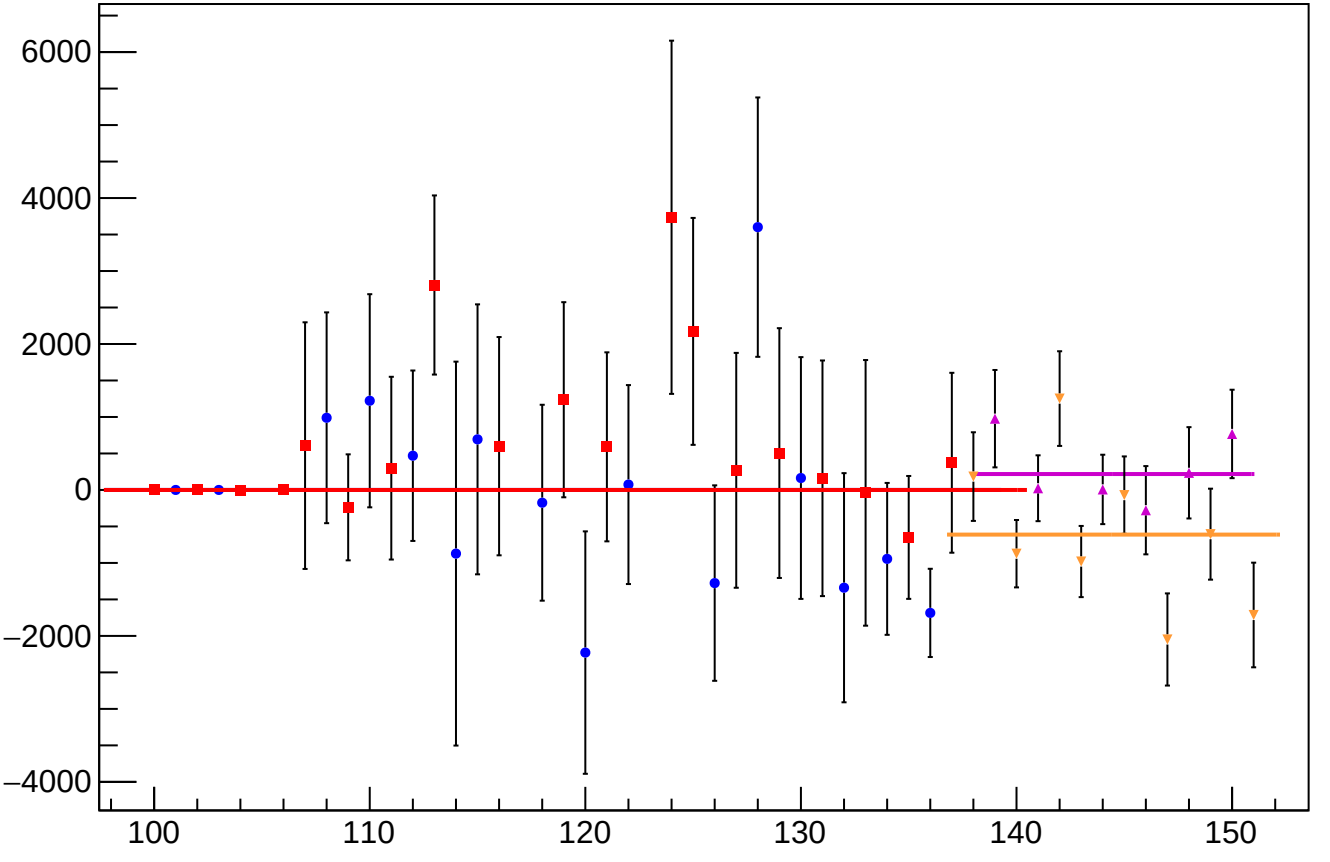
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1968.787+/-0.482 χ^2/NDF:4579841.5/18

Out: 2084.703+/-0.483 χ^2/NDF:3553015.3/21

All: 2026.632+/-0.341 χ^2/NDF: 8161696.9/40

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -611.749+/-201.748 χ^2/NDF:19.4/7

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 218.126+/-225.895 χ^2/NDF:3.2/5

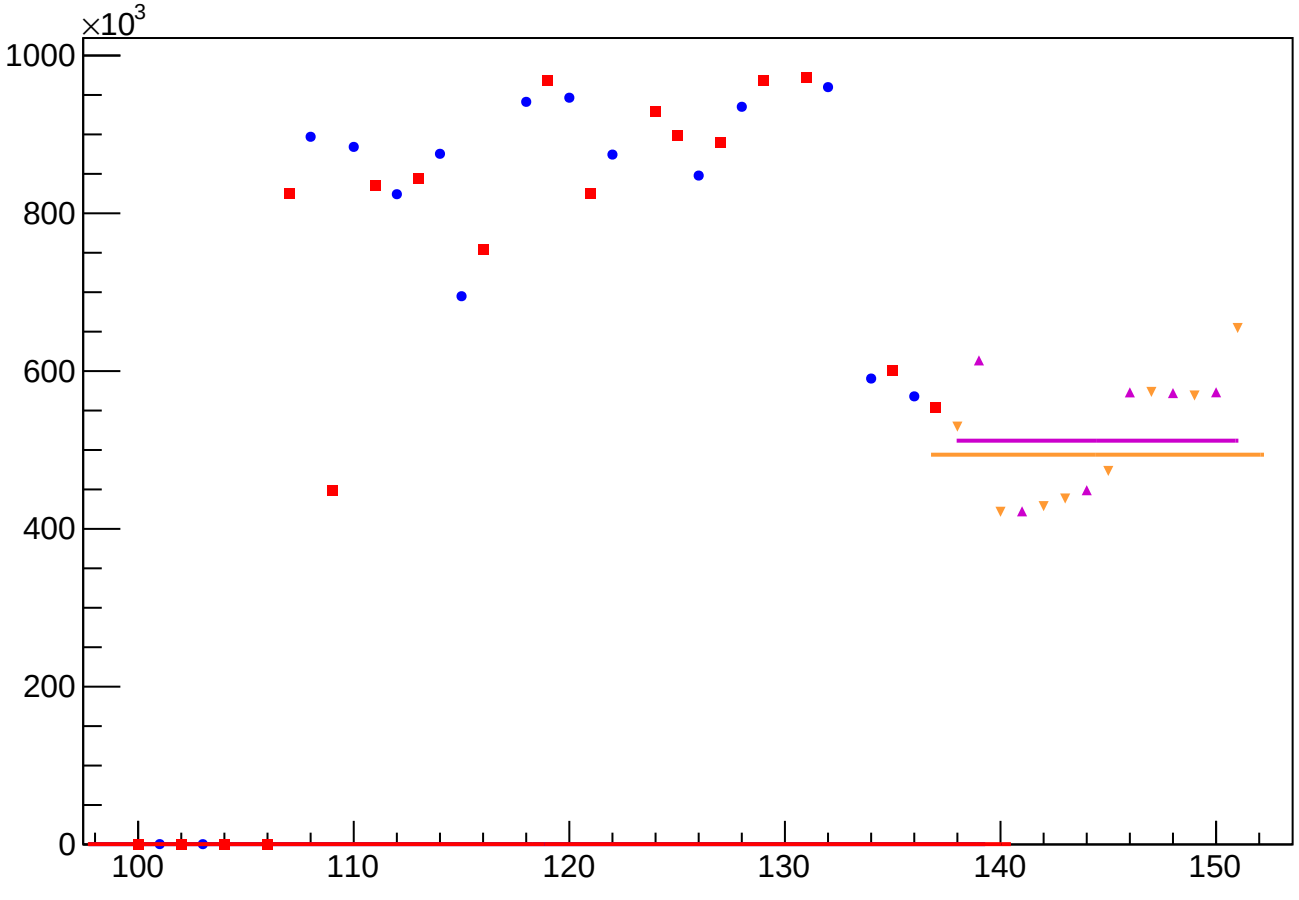
Left: -243.522+/-150.473 χ^2/NDF: 30.1/13

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:21.8/21

Out: -0.097+/-0.328 χ^2/NDF:44.1/26

All: 0.065+/-0.241 χ^2/NDF: 66.4/48



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 494040.559+/-142.658 χ^2/NDF:266263.4/7

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 511804.017+/-159.732 χ^2/NDF:219816.8/5

Left: 501922.453+/-106.401 χ^2/NDF: 492959.9/13

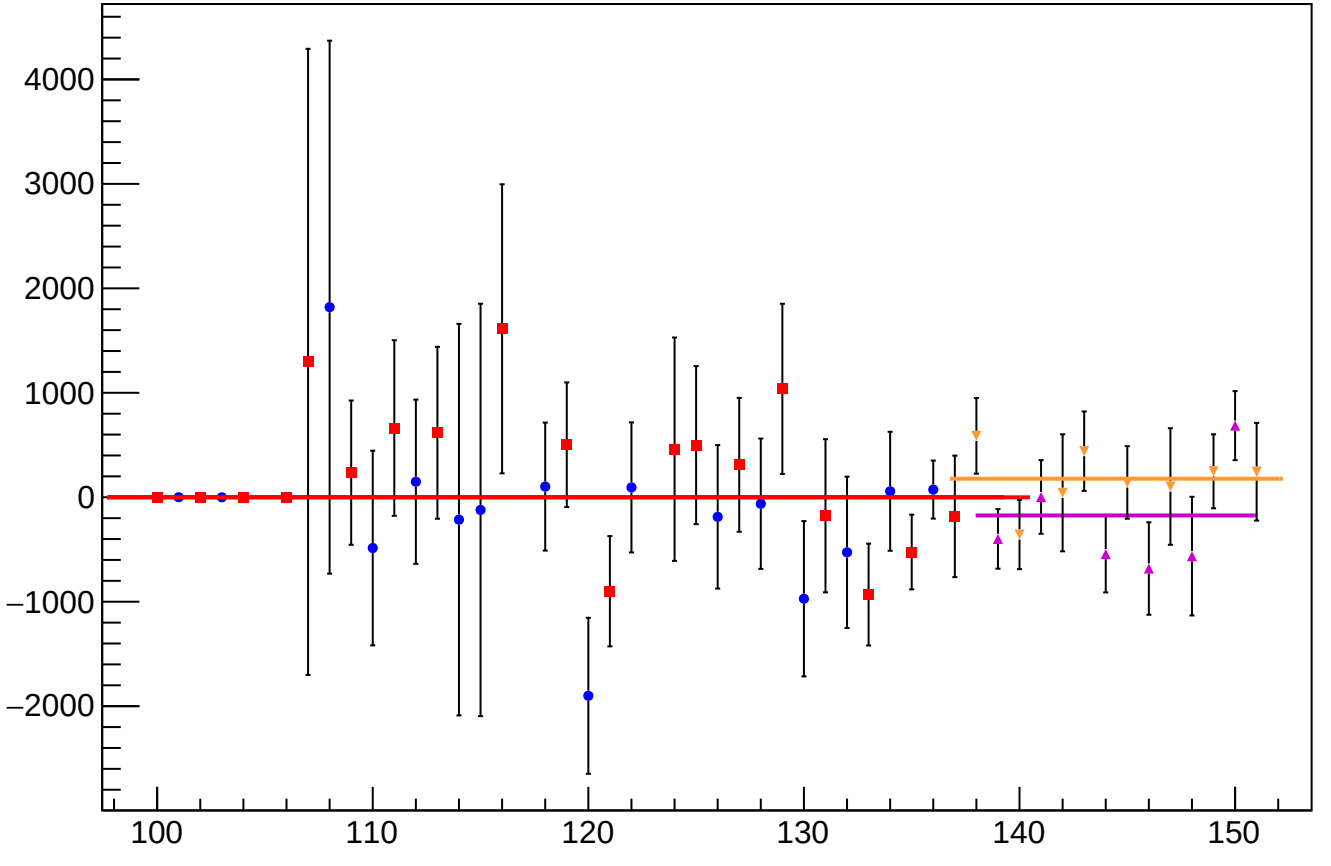
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 400.149+/-0.251 χ^2/NDF:18962123.9/20

Out: 394.543+/-0.232 χ^2/NDF:19888931.8/25

All: 397.118+/-0.170 χ^2/NDF: 38851324.4/46

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 177.630+/-140.233 χ^2/NDF:4.5/7

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -174.195+/-148.887 χ^2/NDF:10.4/5

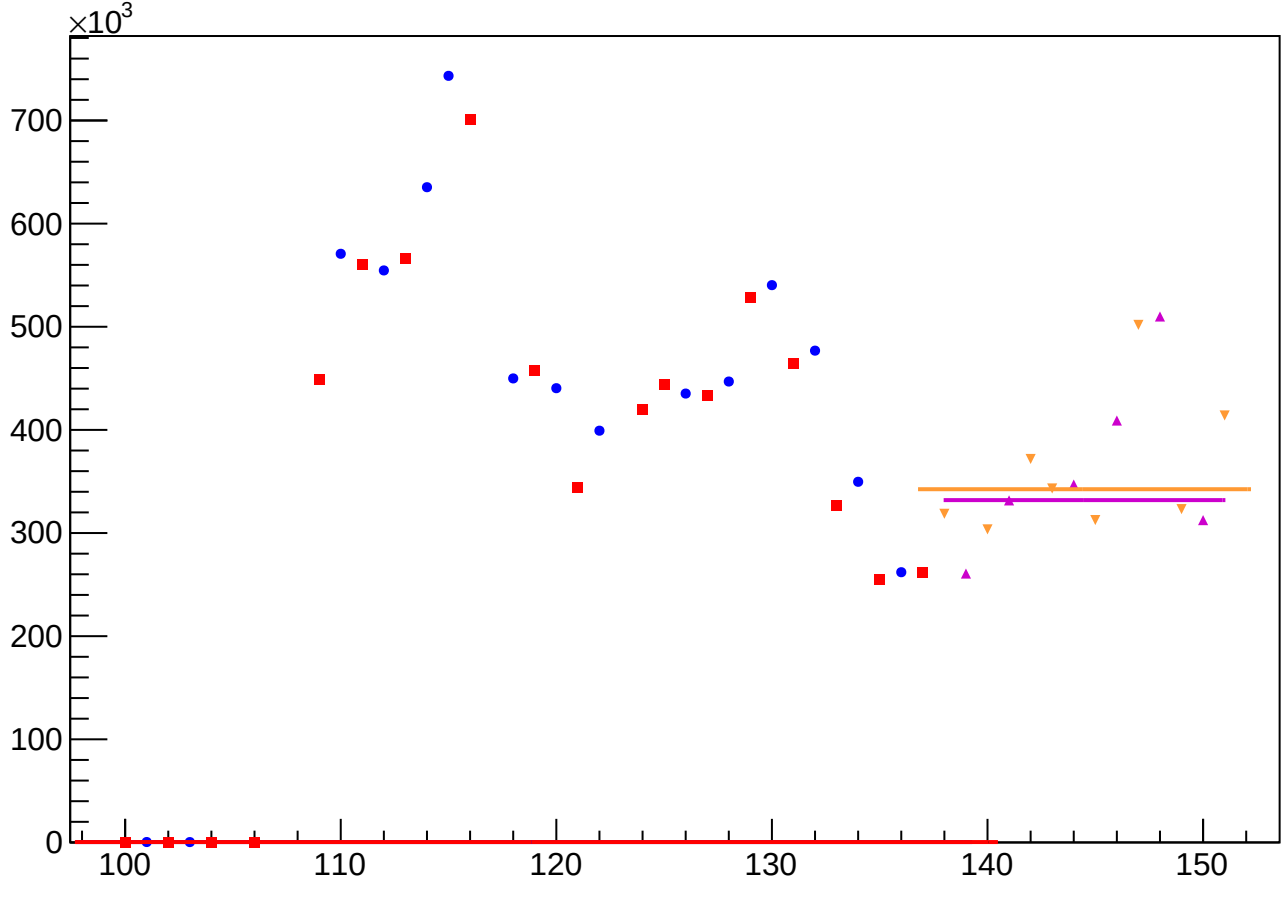
Left: 12.238+/-102.082 χ^2/NDF: 17.9/13

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:22.3/21

Out: -0.598+/-0.324 χ^2/NDF:21.1/26

All: -0.330+/-0.237 χ^2/NDF: 44.9/48



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 342486.905+/-99.160 χ^2/NDF:272170.4/7

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 331920.015+/-105.297 χ^2/NDF:392292.6/5

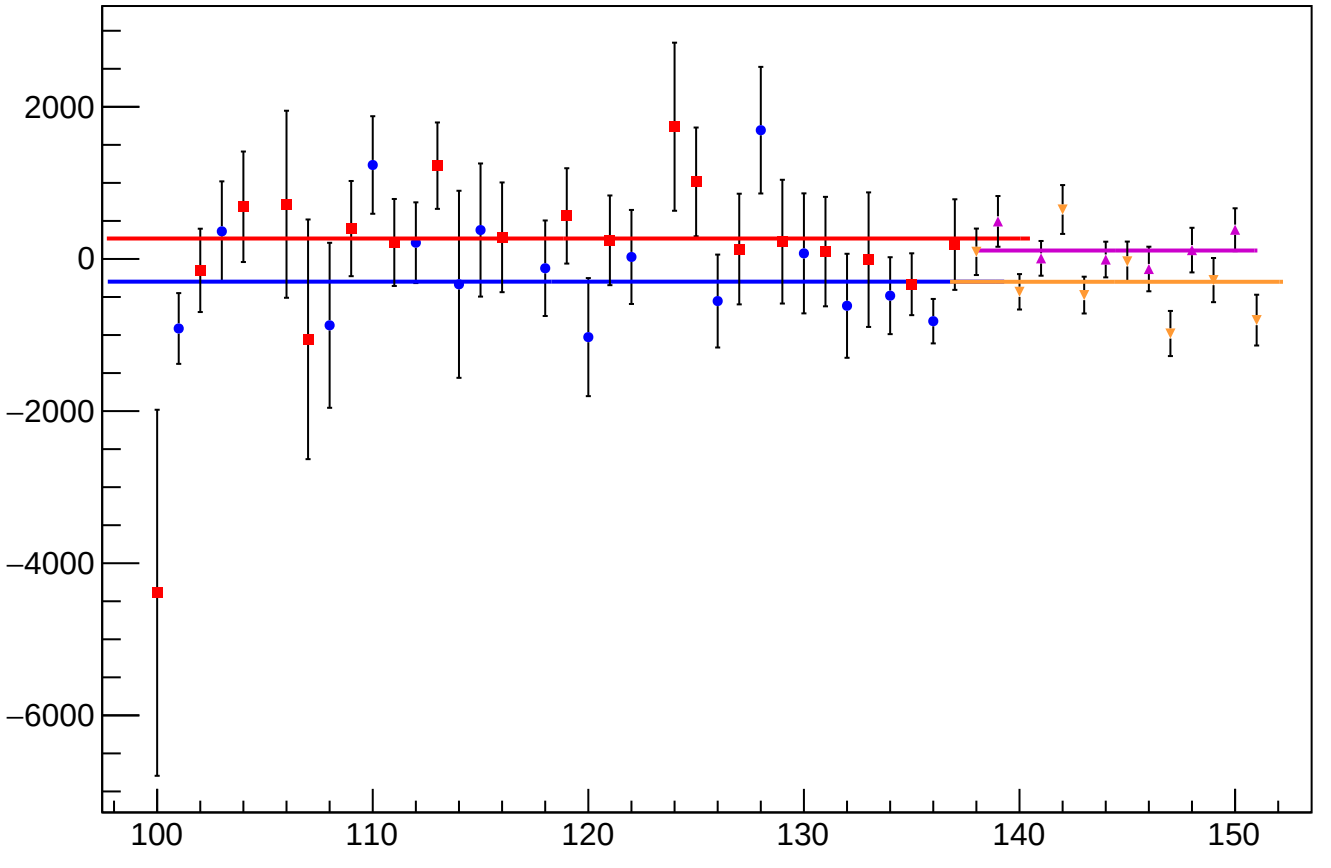
Left: 337520.336+/-72.189 χ^2/NDF: 669800.4/13

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 392.077+/-0.245 χ^2/NDF:21437725.4/20

Out: 389.808+/-0.229 χ^2/NDF:23248709.0/25

All: 390.864+/-0.167 χ^2/NDF: 44686480.1/46



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -299.996+/-98.576 χ^2/NDF:19.9/7

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 111.015+/-110.275 χ^2/NDF:3.4/5

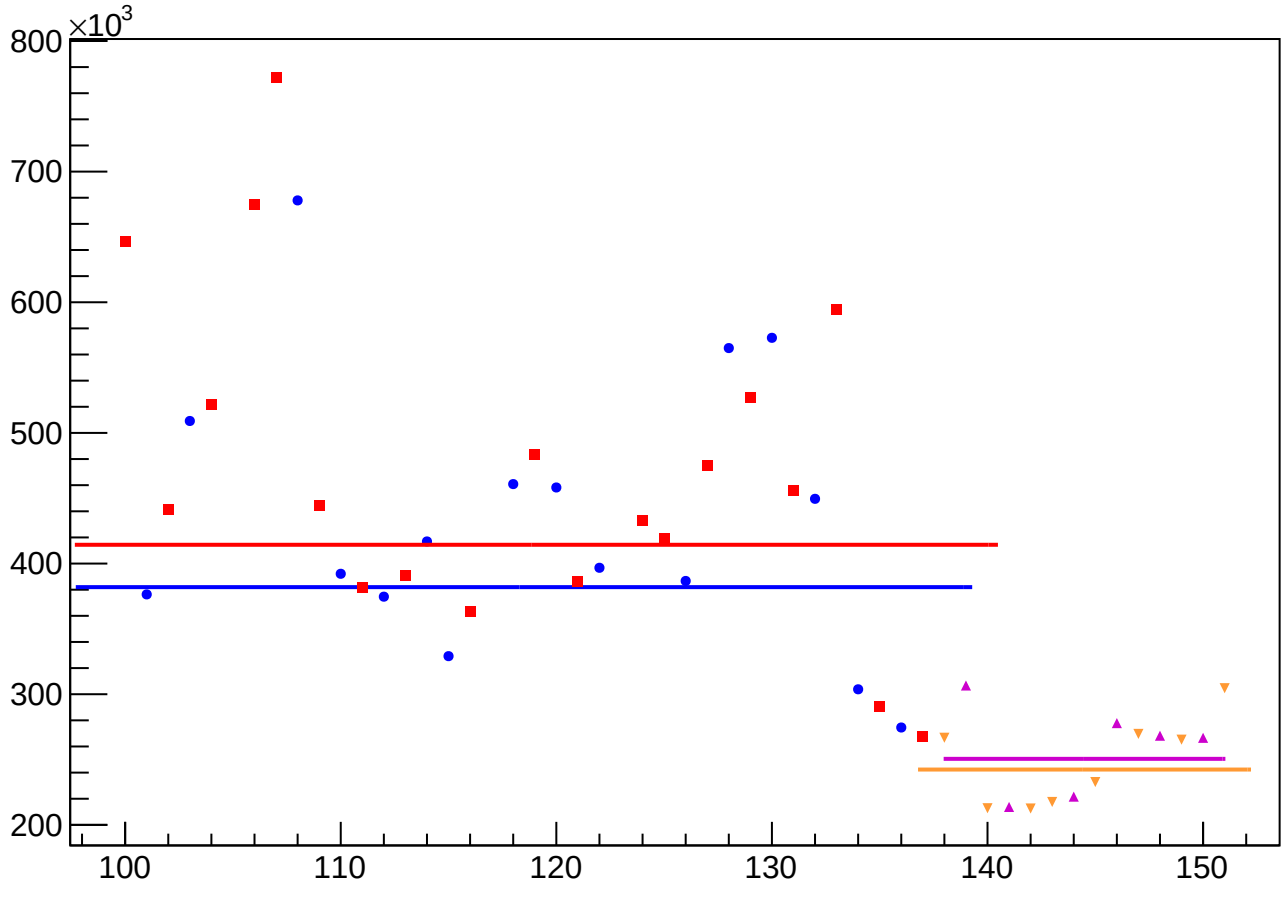
Left: -117.442+/-73.493 χ^2/NDF: 31.0/13

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -35.898+/-88.292 χ^2/NDF:29.5/21

Out: -138.524+/-83.421 χ^2/NDF:43.2/26

All: -90.120+/-60.637 χ^2/NDF: 73.4/48



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 242346.408+/-69.704 χ^2/NDF:184882.6/7

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 250535.892+/-77.976 χ^2/NDF:170321.0/5

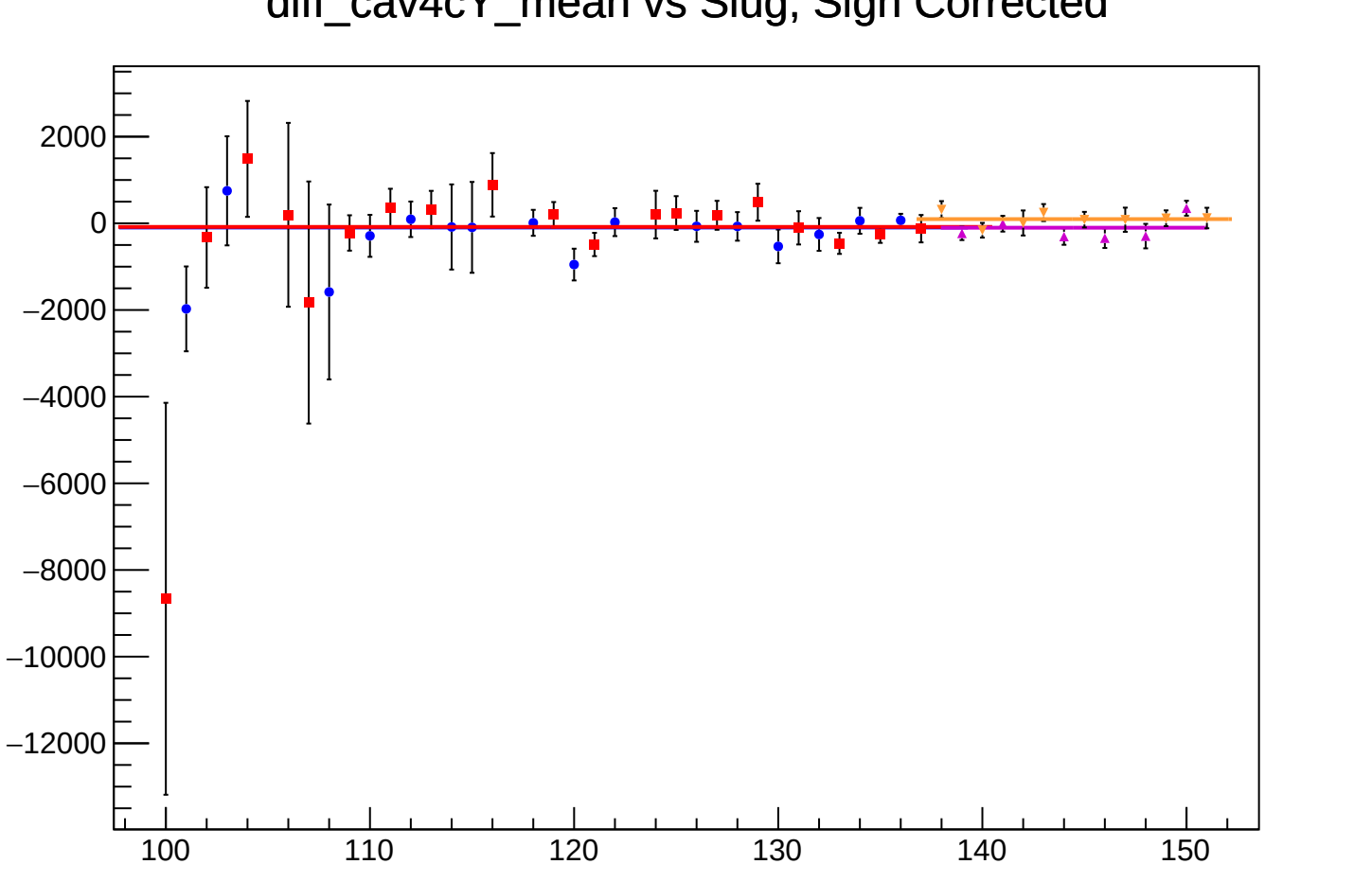
Left: 245983.836+/-51.967 χ^2/NDF: 361334.7/13

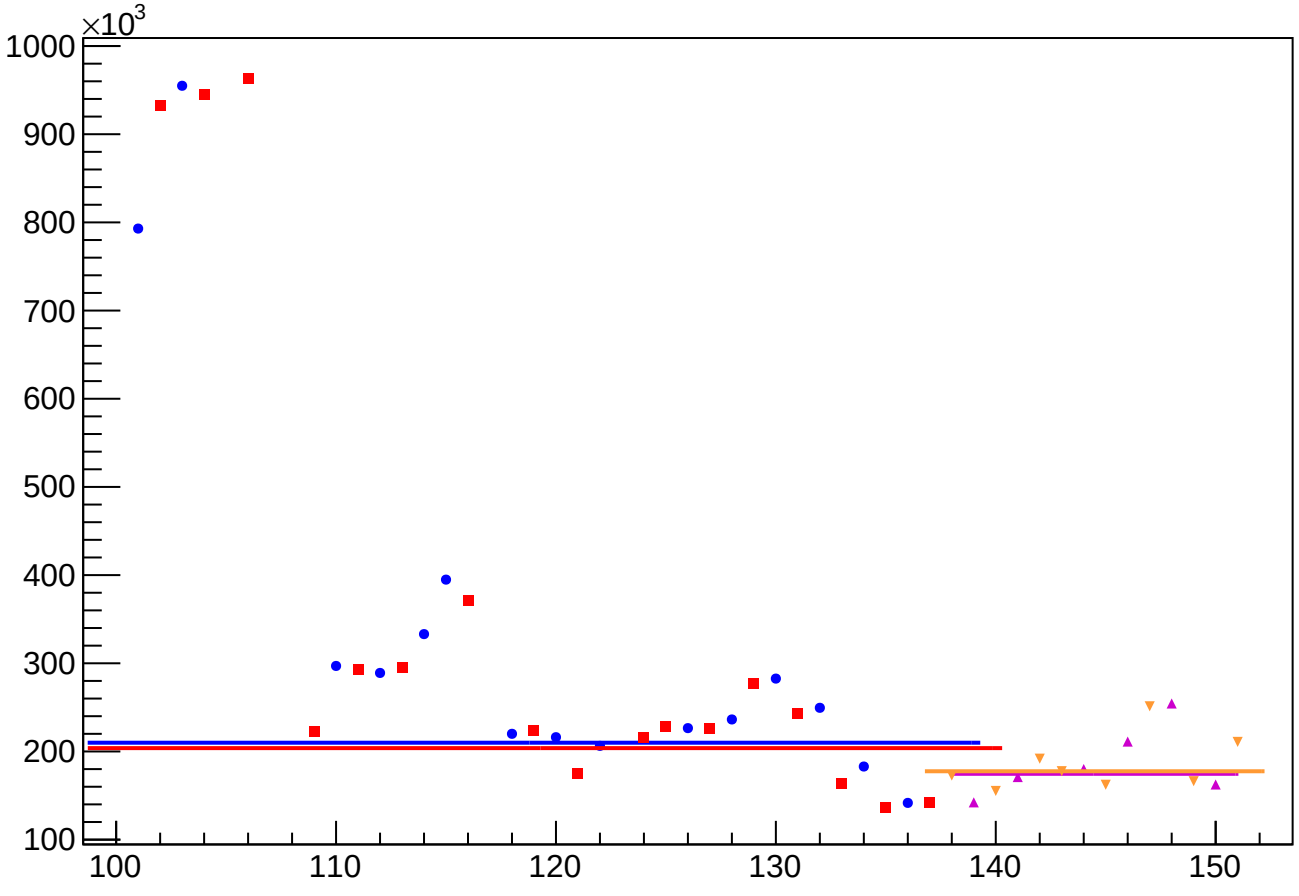
Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 297700.620+/-62.436 χ^2/NDF:2026220.2/21

Out: 291157.650+/-58.992 χ^2/NDF:2673254.7/26

All: 294243.713+/-42.879 χ^2/NDF: 4705277.


diff_cav4cY_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: -95.850+/-88.267 χ²/NDF: 13.7/15
Left Out: 97.574+/-72.516 χ²/NDF:4.3/7
Right Out: -82.750+/-87.316 χ²/NDF: 19.1/18
Left In: -101.347+/-77.913 χ²/NDF:10.5/5
Left: 5.241+/-53.082 χ²/NDF: 18.3/13
Right: -89.229+/-62.075 χ²/NDF: 32.8/34
In: -98.940+/-58.412 χ²/NDF:24.2/21
Out: 23.967+/-55.786 χ²/NDF:25.9/26
All: -34.662+/-40.343 χ²/NDF: 52.4/48



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177548.577+/-51.277 χ^2/NDF:241609.8/7

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 174672.446+/-55.093 χ^2/NDF:309907.4/5

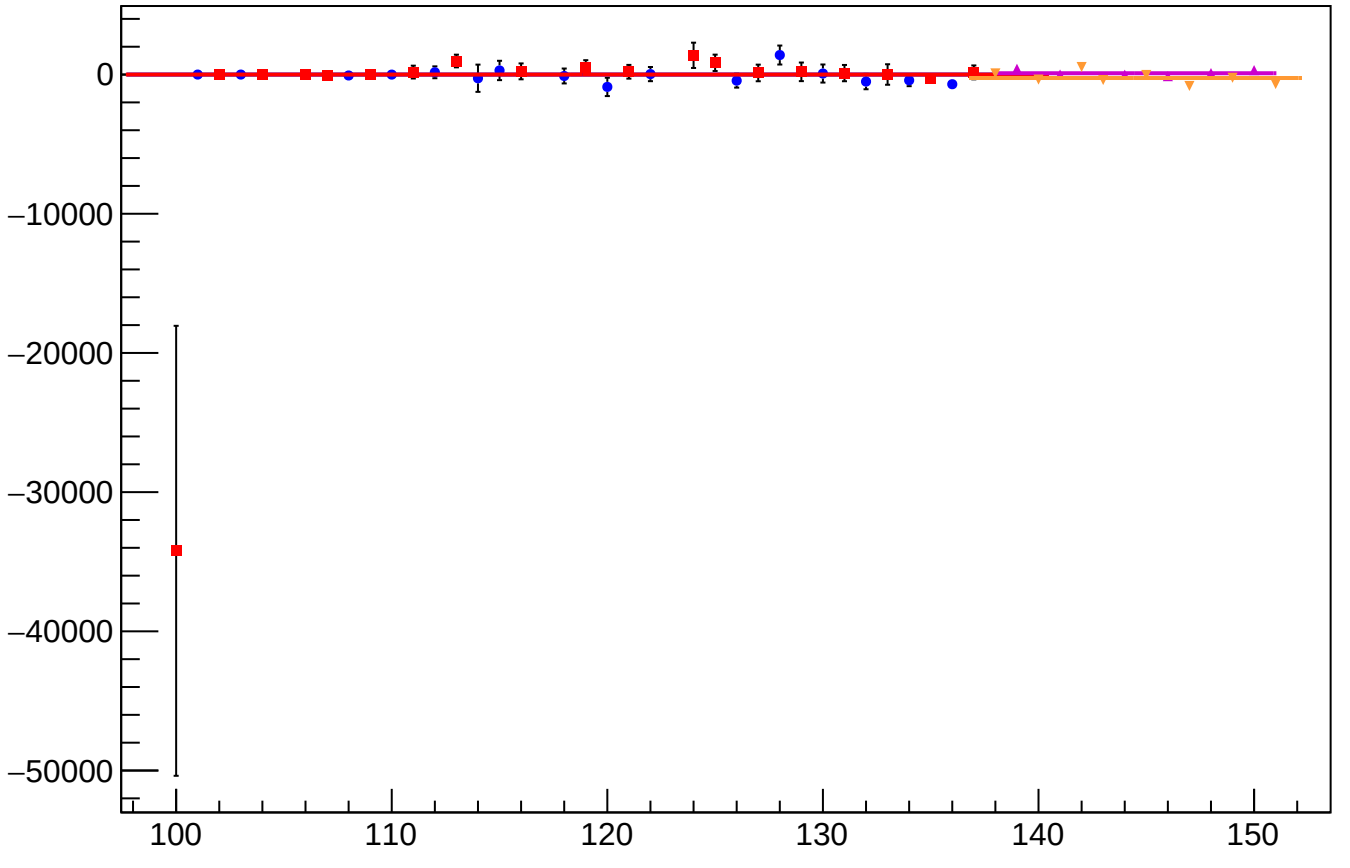
Left: 176213.565+/-37.535 χ^2/NDF: 552977.5/13

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 190082.546+/-41.335 χ^2/NDF:2448804.8/20

Out: 188230.169+/-39.487 χ^2/NDF:2418707.4/24

All: 189114.011+/-28.552 χ^2/NDF: 4868562.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -247.520+/-82.341 χ^2/NDF:20.0/7

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 94.541+/-92.185 χ^2/NDF:3.5/5

Left: -95.723+/-61.410 χ^2/NDF: 31.1/13

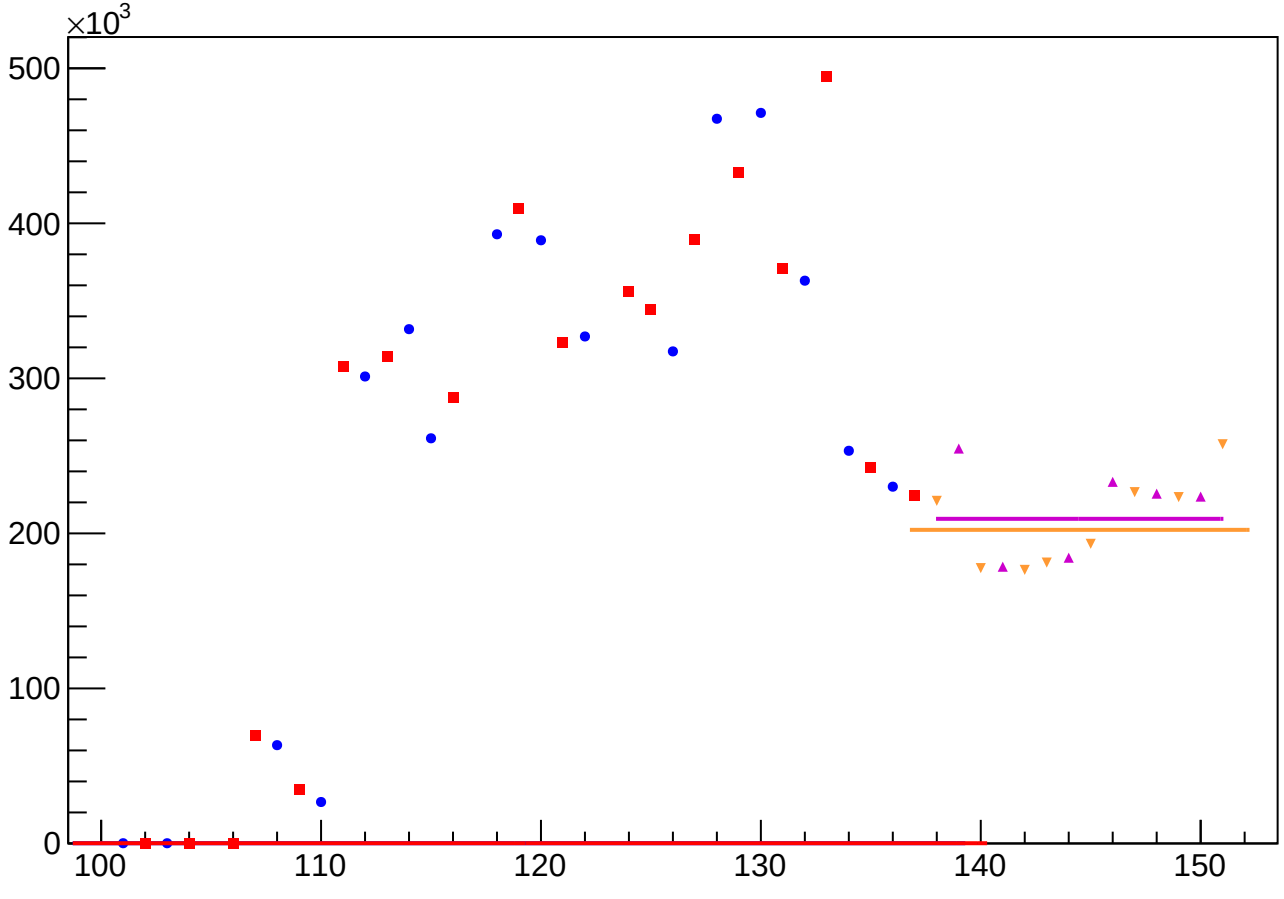
Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:22.7/21

Out: 0.354+/-0.160 χ^2/NDF:45.5/26

All: 0.174+/-0.117 χ^2/NDF: 70.9/48

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 202289.830+/-58.224 χ^2/NDF:197876.6/7

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 209399.514+/-65.185 χ^2/NDF:173939.5/5

Left: 205444.899+/-43.424 χ^2/NDF: 378433.1/13

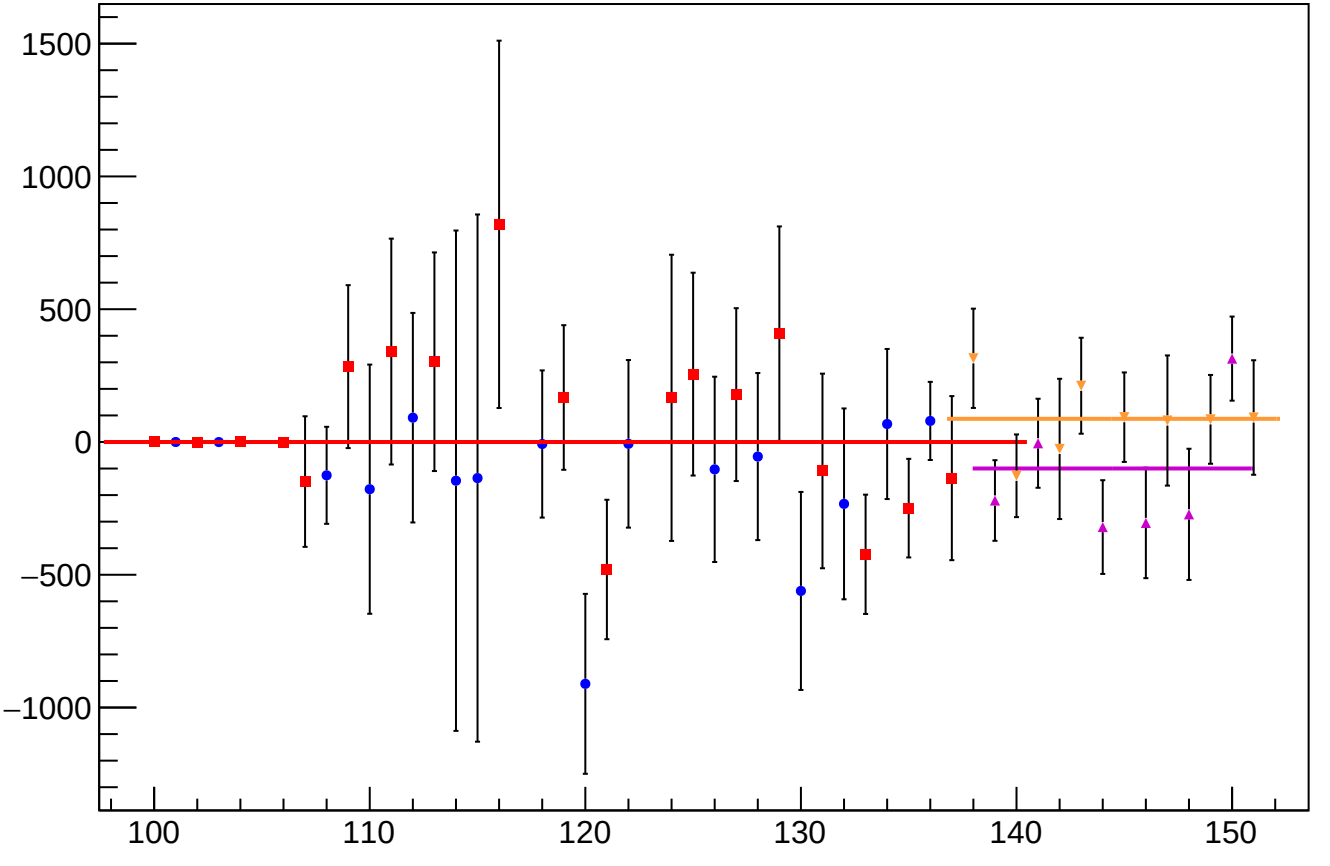
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.823+/-0.122 χ^2/NDF:21780640.5/21

Out: 150.143+/-0.113 χ^2/NDF:23539913.4/25

All: 149.995+/-0.083 χ^2/NDF: 45320557.6/47

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 87.264+/-66.820 χ^2/NDF:4.0/7

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -99.802+/-72.450 χ^2/NDF:10.8/5

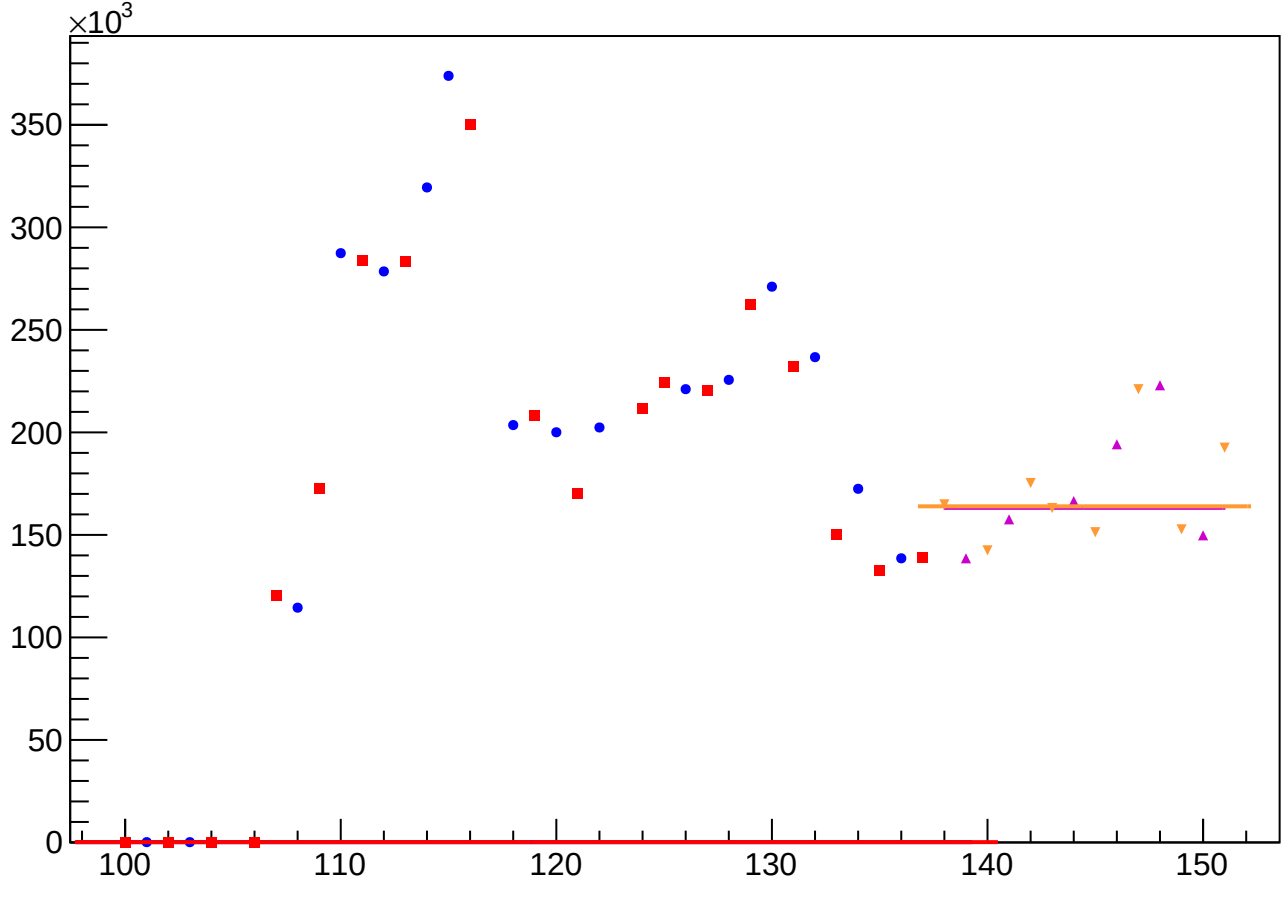
Left: 1.280+/-49.119 χ^2/NDF: 18.5/13

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:23.9/21

Out: -0.125+/-0.166 χ^2/NDF:21.0/26

All: -0.099+/-0.121 χ^2/NDF: 45.0/48



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 163939.881+/-47.249 χ^2/NDF:205873.0/7

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 163204.670+/-51.230 χ^2/NDF:231397.9/5

Left: 163601.947+/-34.732 χ^2/NDF: 437382.2/13

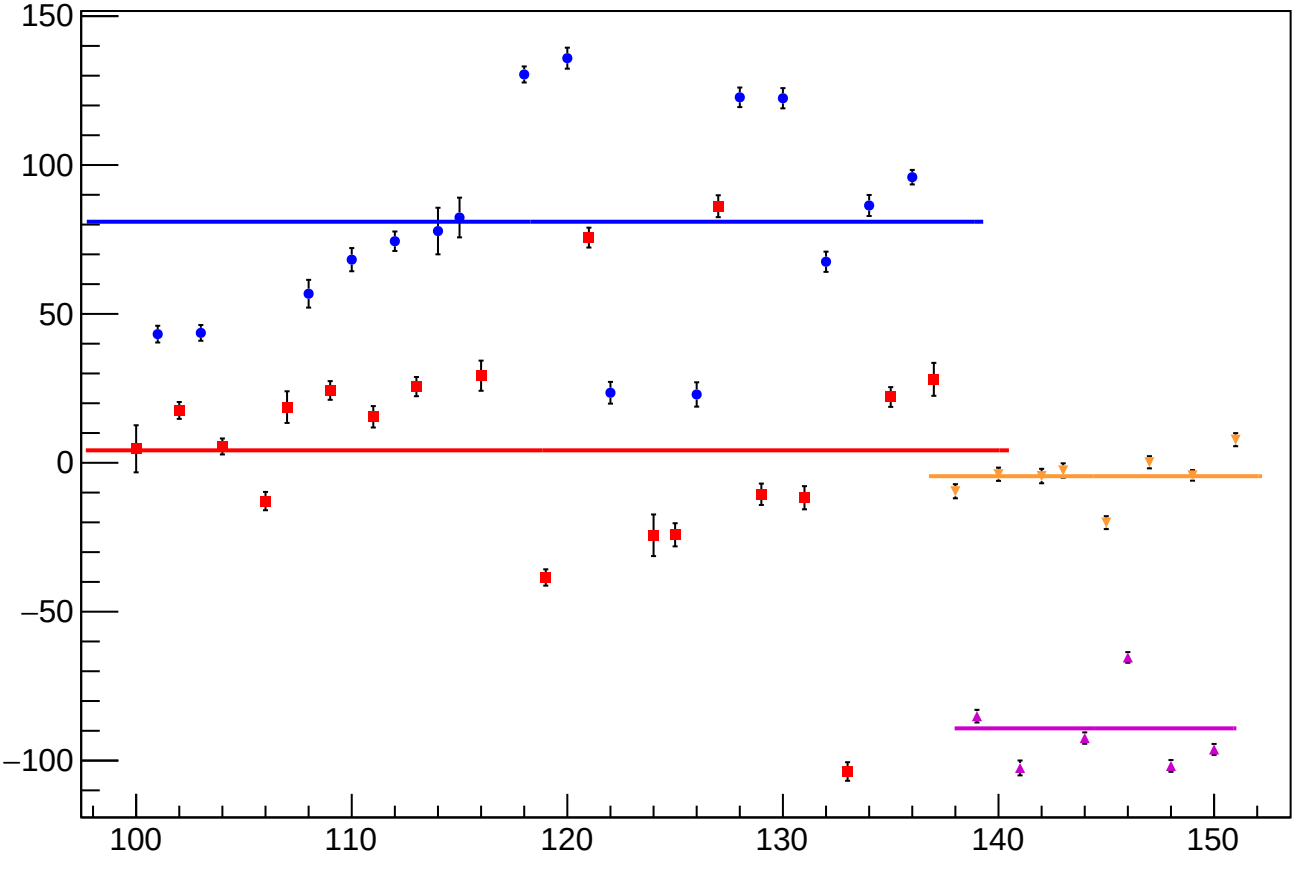
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 154.436+/-0.125 χ^2/NDF:22266108.4/21

Out: 157.174+/-0.118 χ^2/NDF:23552647.5/26

All: 155.891+/-0.086 χ^2/NDF: 45819009.6/48

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -4.501+/-0.768 χ^2/NDF:93.2/7

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -89.179+/-0.812 χ^2/NDF:267.0/5

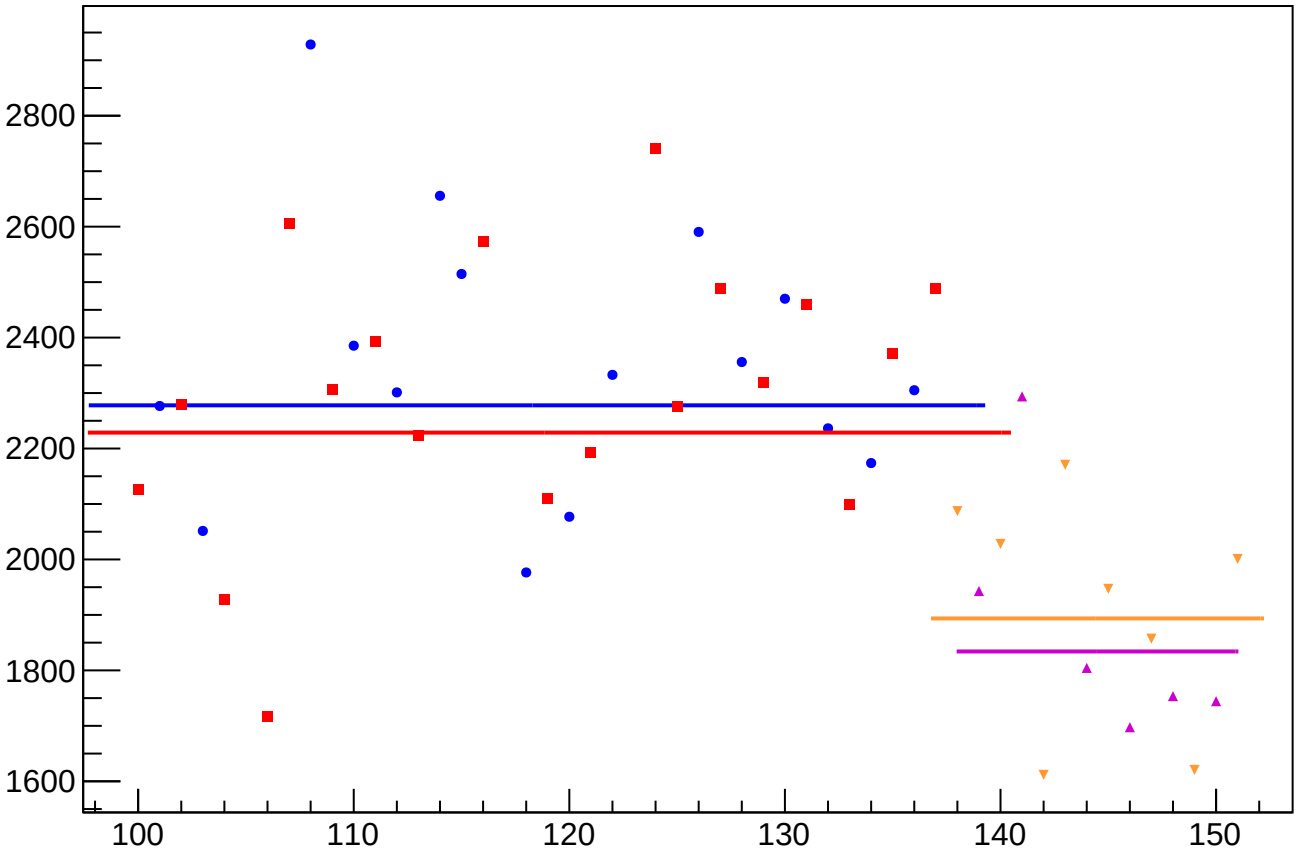
Left: -44.475+/-0.558 χ^2/NDF: 6095.9/13

Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -8.104+/-0.588 χ^2/NDF:22981.1/21

Out: -0.442+/-0.561 χ^2/NDF:2872.6/26

All: -4.092+/-0.406 χ^2/NDF: 25942.6/48



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1893.651+/-0.543 χ^2/NDF:127759.7/7

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1834.094+/-0.574 χ^2/NDF:93019.8/5

Left: 1865.536+/-0.395 χ^2/NDF: 226454.1/13

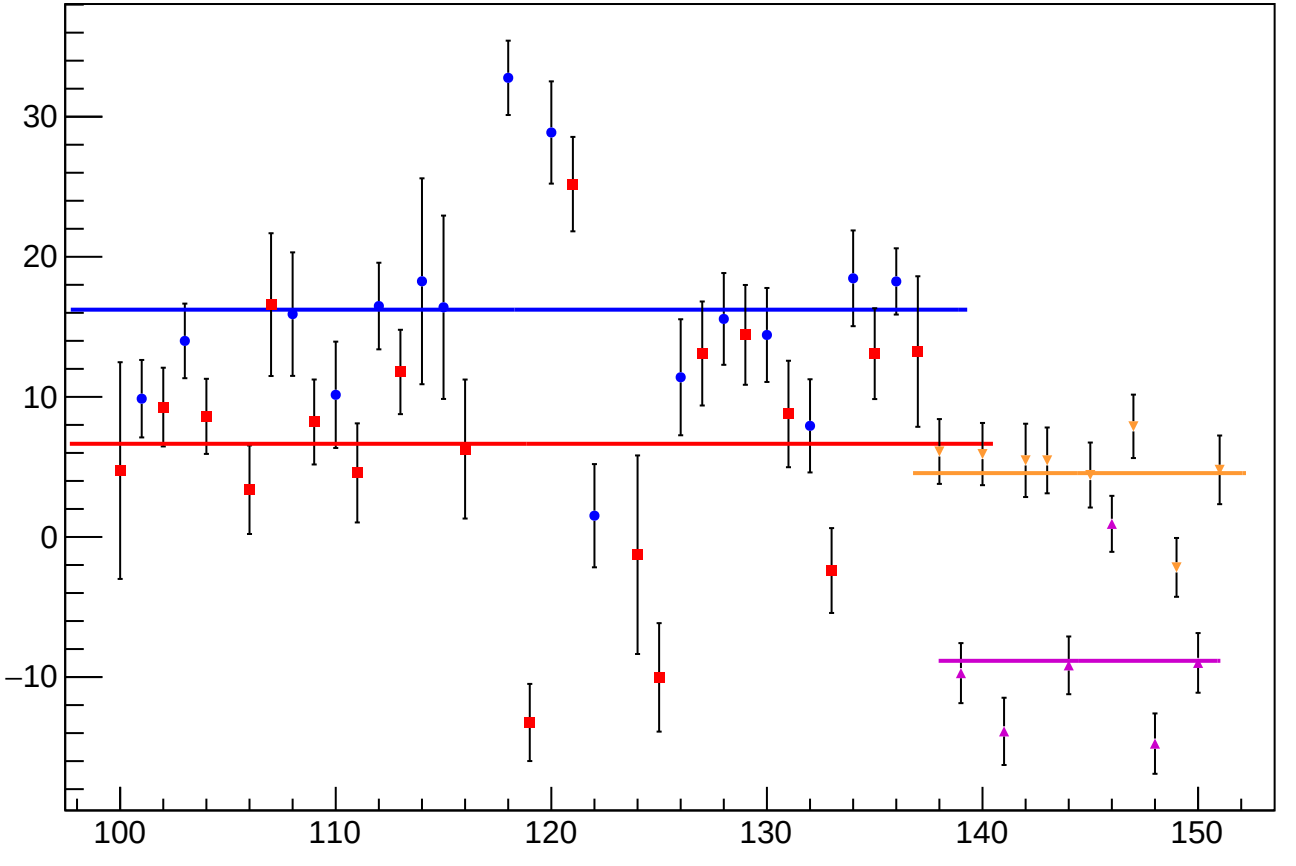
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2045.569+/-0.416 χ^2/NDF:493182.7/21

Out: 2050.238+/-0.396 χ^2/NDF:456684.5/26

All: 2048.013+/-0.287 χ^2/NDF: 949933.3/48

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.559+/-0.819 χ^2/NDF:13.5/7

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -8.840+/-0.873 χ^2/NDF:36.1/5

Left: -1.715+/-0.597 χ^2/NDF: 175.0/13

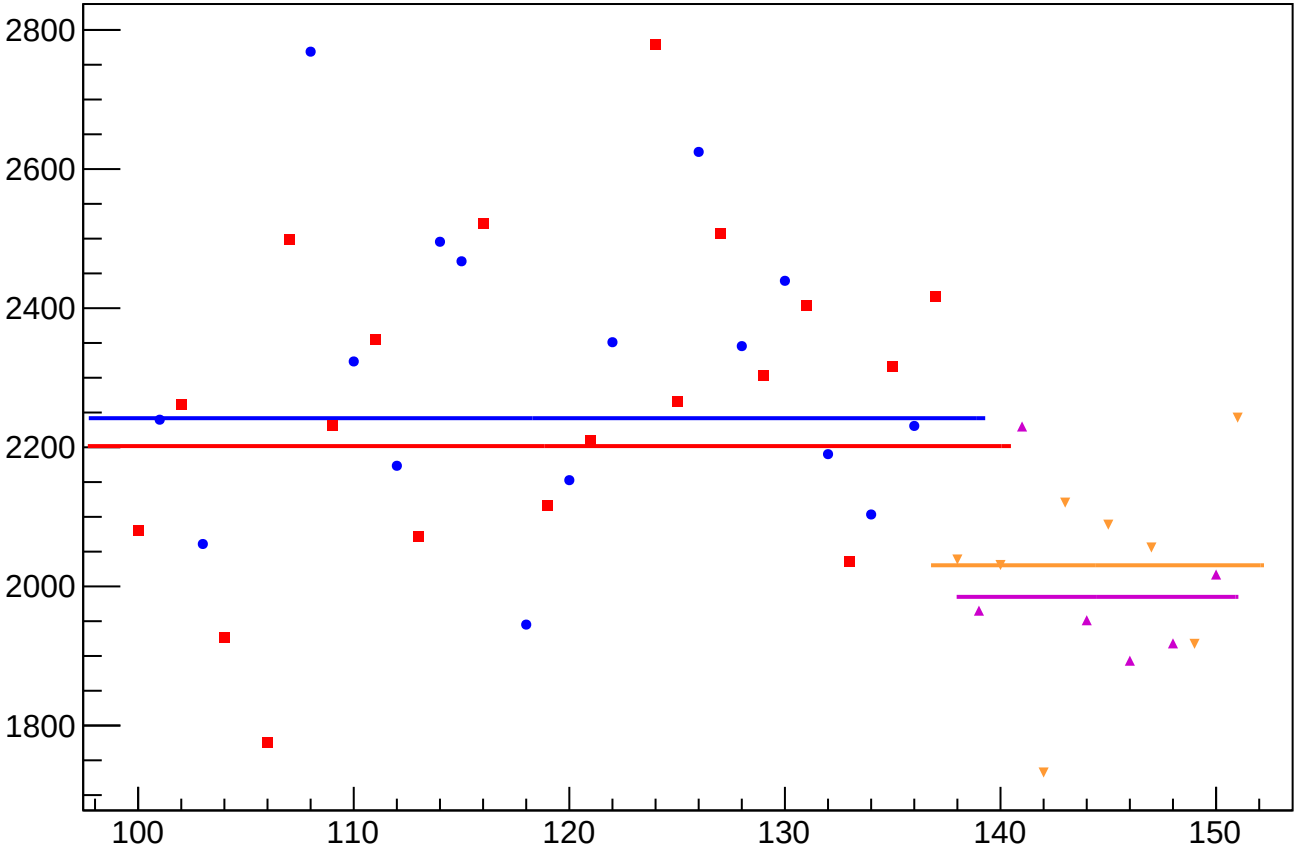
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.207+/-0.604 χ^2/NDF:550.0/21

Out: 5.618+/-0.576 χ^2/NDF:151.4/26

All: 4.947+/-0.417 χ^2/NDF: 704.3/48

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2030.391+/-0.579 χ^2/NDF:51210.6/7

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 1984.993+/-0.617 χ^2/NDF:28133.9/5

Left: 2009.133+/-0.422 χ^2/NDF: 82222.5/13

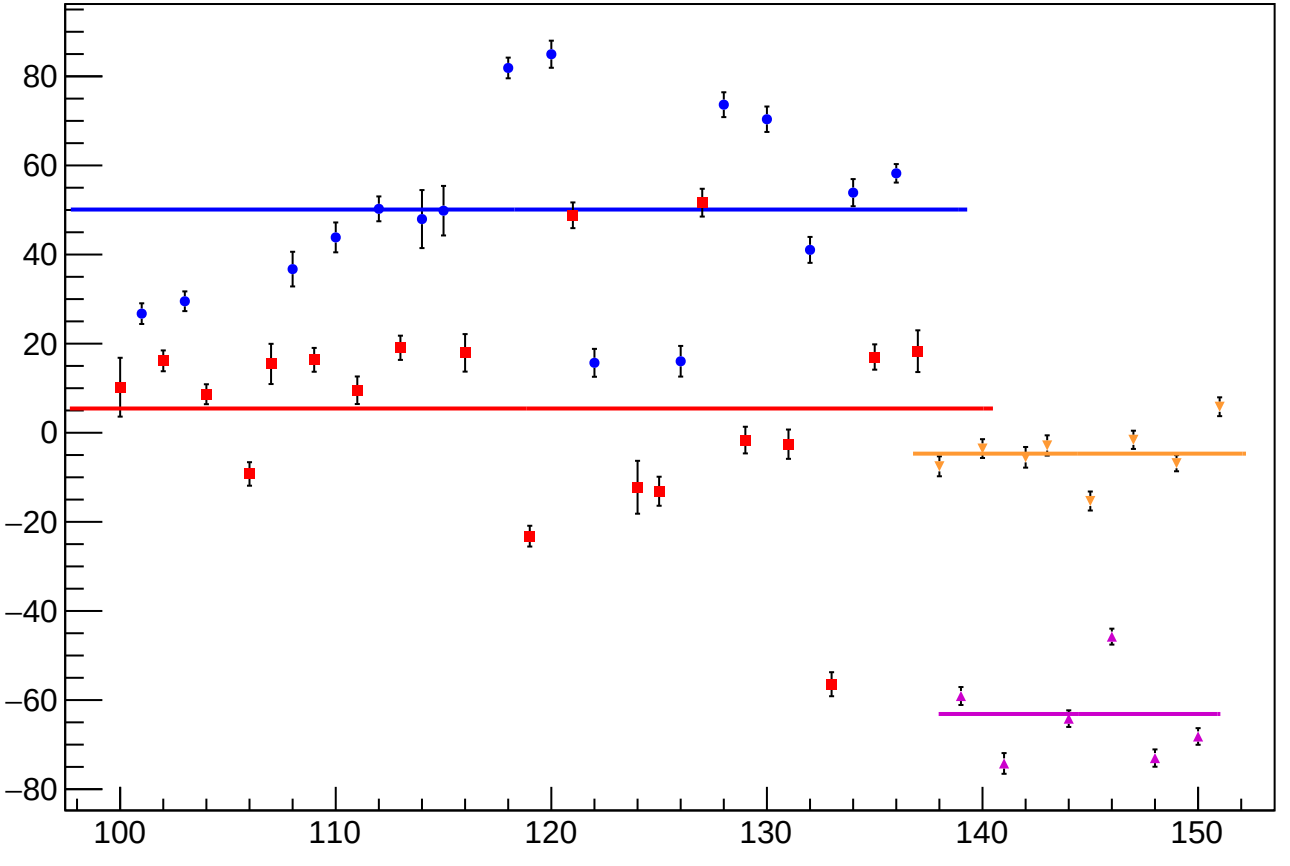
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2118.688+/-0.427 χ^2/NDF:220580.3/21

Out: 2117.077+/-0.407 χ^2/NDF:225390.2/26

All: 2117.844+/-0.295 χ^2/NDF: 445978.0/48

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -4.688+/-0.747 χ^2/NDF:56.1/7

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -63.122+/-0.795 χ^2/NDF:154.6/5

Left: -32.111+/-0.545 χ^2/NDF: 3079.1/13

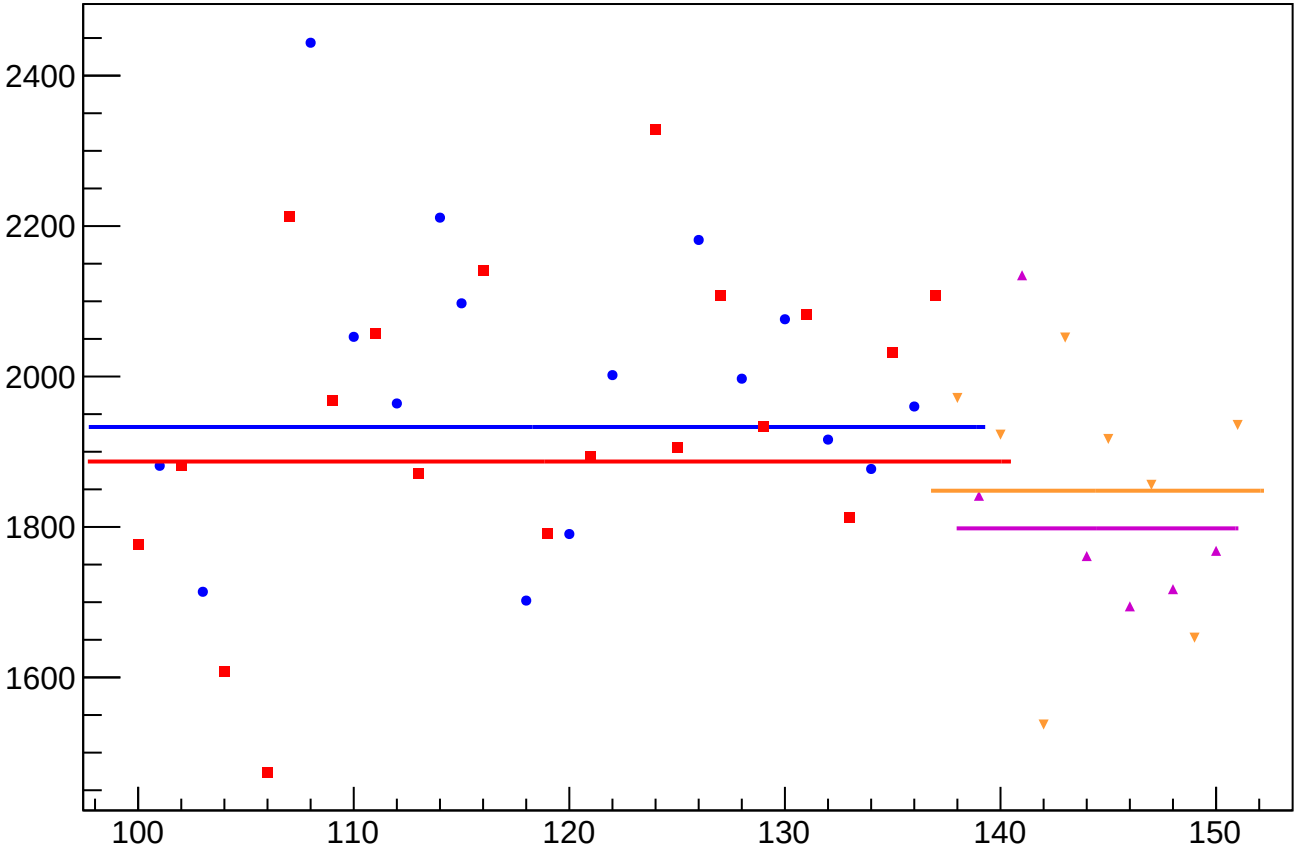
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -1.096+/-0.534 χ^2/NDF:12159.6/21

Out: 0.751+/-0.509 χ^2/NDF:1466.3/26

All: -0.127+/-0.368 χ^2/NDF: 13632.2/48

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1848.194+/-0.529 χ^2/NDF:89281.1/7

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1798.143+/-0.562 χ^2/NDF:54281.9/5

Left: 1824.705+/-0.385 χ^2/NDF: 147771.9/13

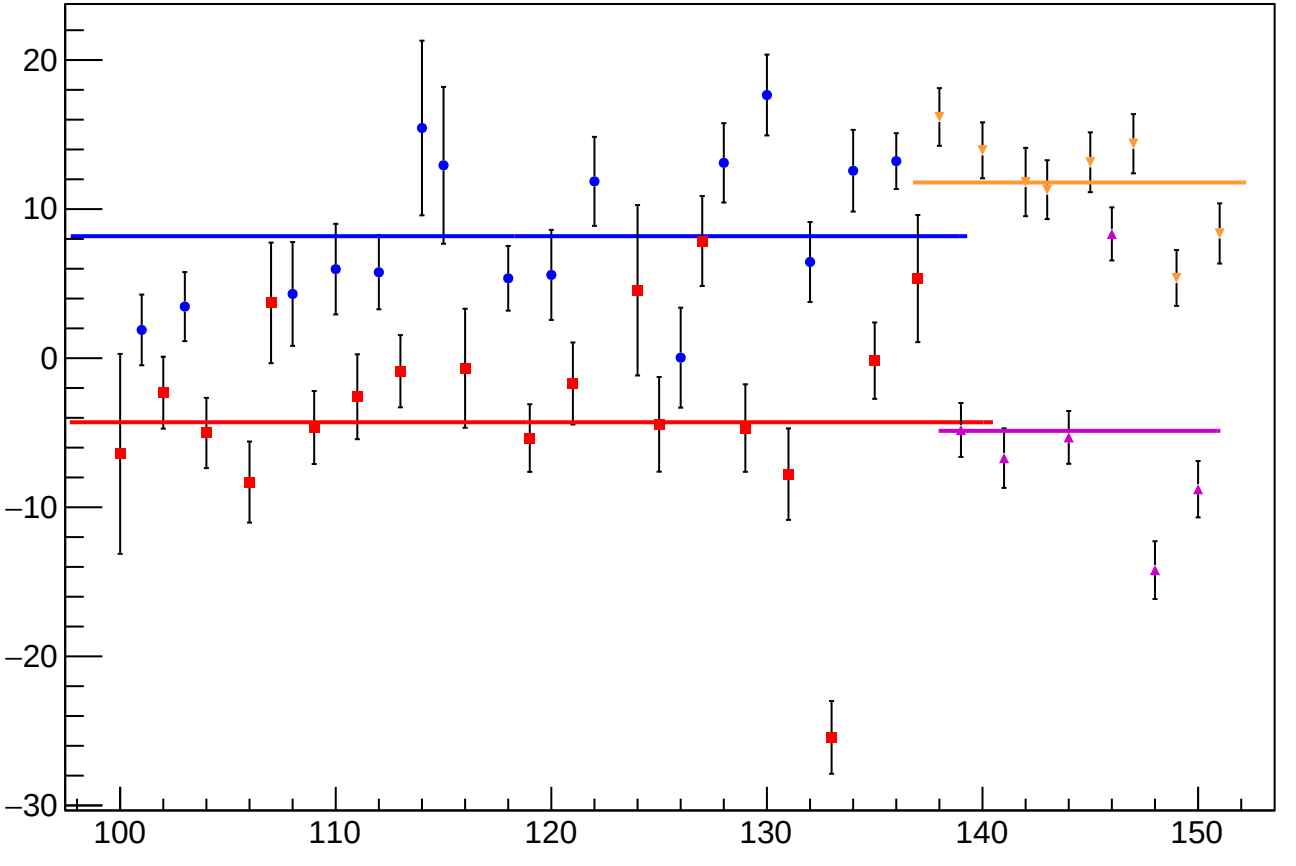
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1871.967+/-0.378 χ^2/NDF:191744.8/21

Out: 1869.029+/-0.360 χ^2/NDF:241922.6/26

All: 1870.426+/-0.261 χ^2/NDF: 433699.1/48

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.785+/-0.702 χ^2/NDF:23.3/7

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -4.875+/-0.759 χ^2/NDF:83.4/5

Left: 4.107+/-0.515 χ^2/NDF: 366.5/13

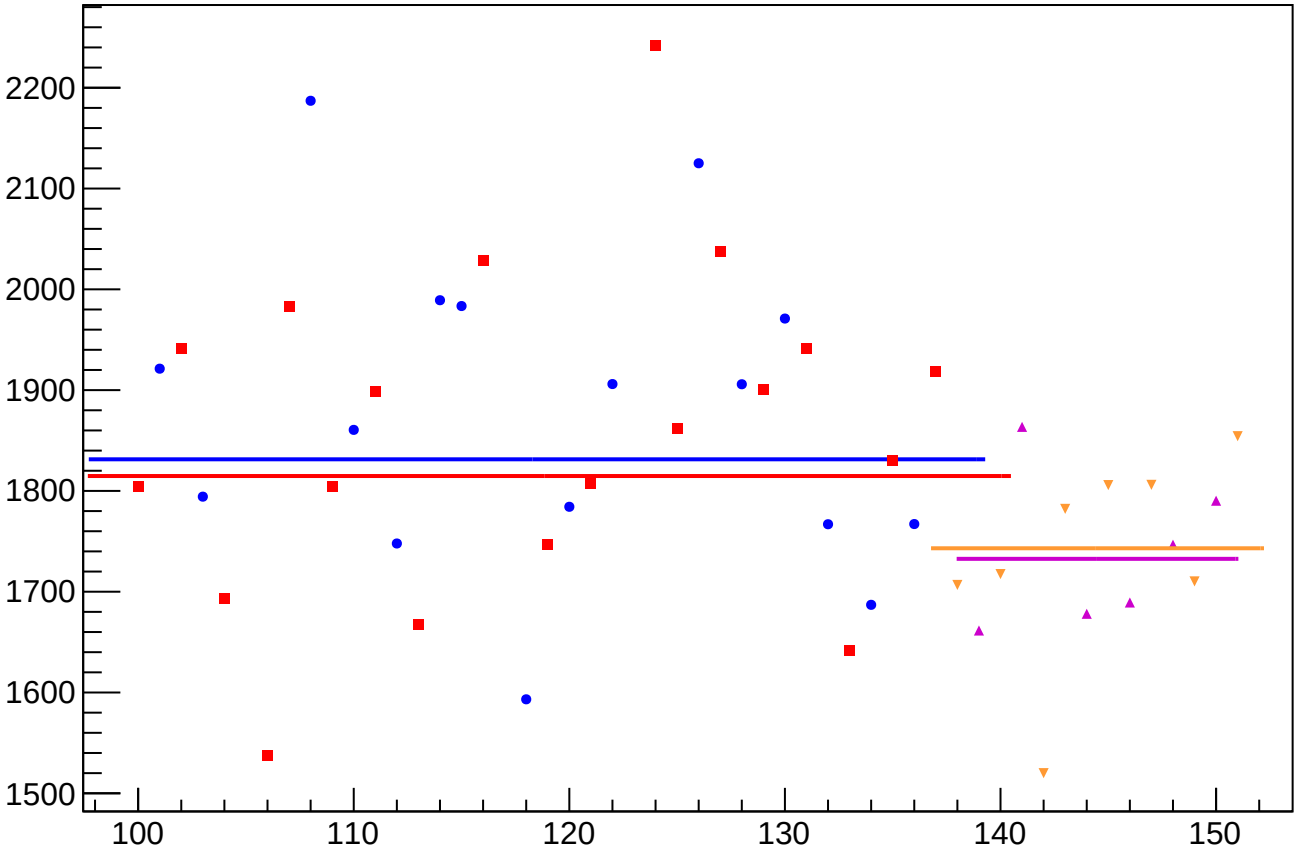
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.334+/-0.508 χ^2/NDF:298.8/21

Out: 3.318+/-0.483 χ^2/NDF:413.8/26

All: 2.851+/-0.350 χ^2/NDF: 714.6/48

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1743.094+/-0.496 χ^2/NDF:31464.6/7

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1732.609+/-0.537 χ^2/NDF:16730.1/5

Left: 1738.262+/-0.364 χ^2/NDF: 48400.5/13

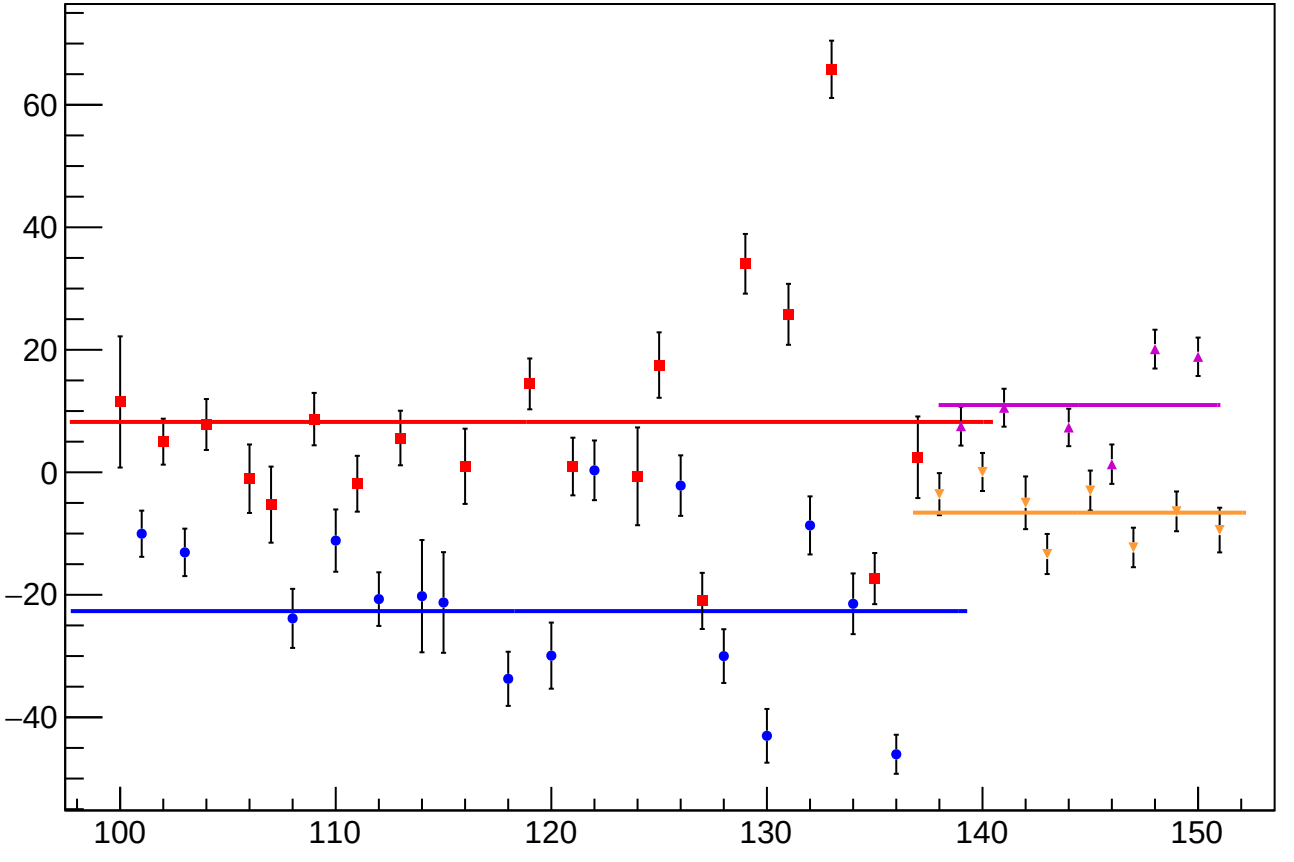
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1787.129+/-0.359 χ^2/NDF:122344.5/21

Out: 1780.832+/-0.341 χ^2/NDF:133191.2/26

All: 1783.821+/-0.247 χ^2/NDF: 255697.2/48

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -6.588+/-1.199 χ^2/NDF:14.7/7

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 10.982+/-1.282 χ^2/NDF:26.2/5

Left: 1.609+/-0.876 χ^2/NDF: 141.0/13

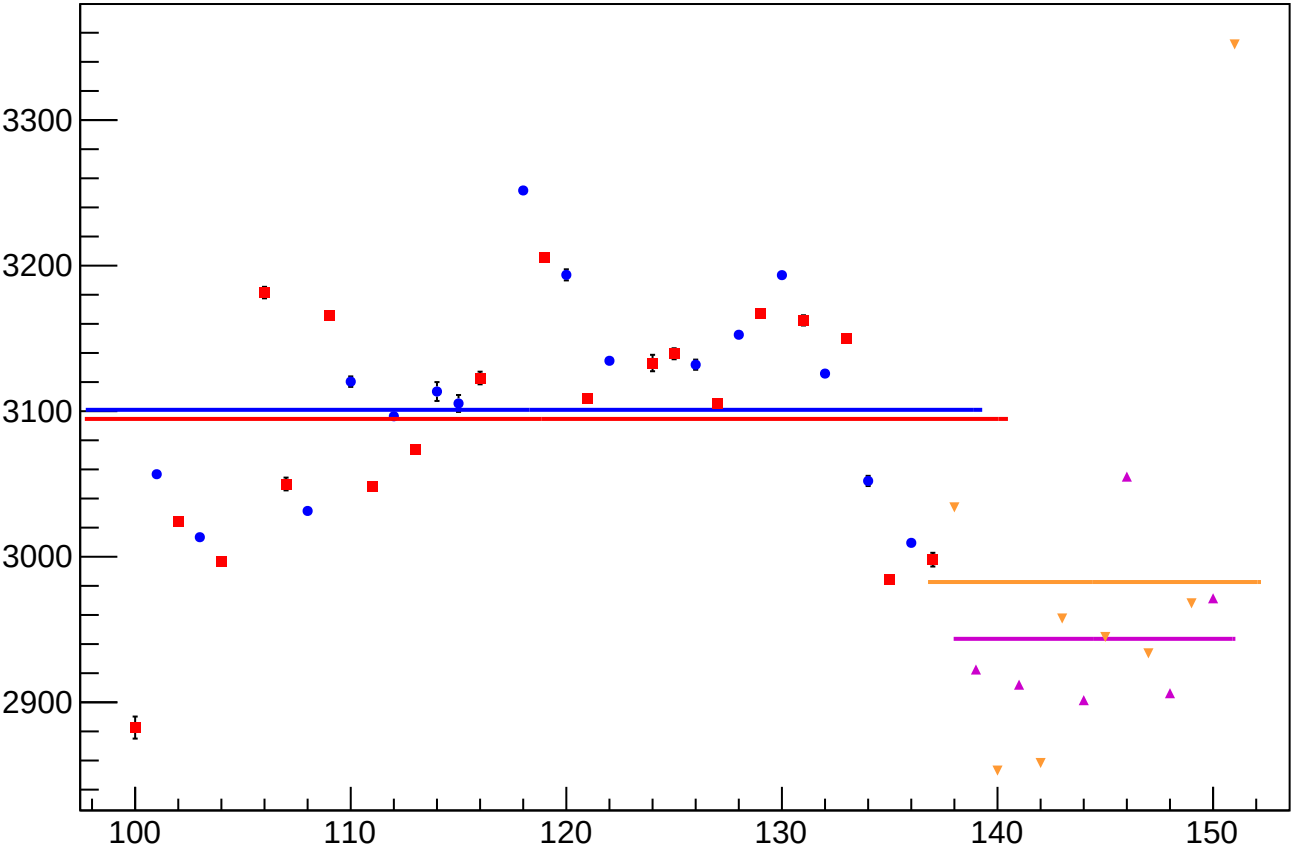
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -7.638+/-0.857 χ^2/NDF:564.4/21

Out: 1.265+/-0.822 χ^2/NDF:390.4/26

All: -3.001+/-0.593 χ^2/NDF: 1011.0/48

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 2982.637+/-0.848 χ^2/NDF:26984.4/7

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 2943.605+/-0.907 χ^2/NDF:3510.3/5

Left: 2964.427+/-0.619 χ^2/NDF: 31483.1/13

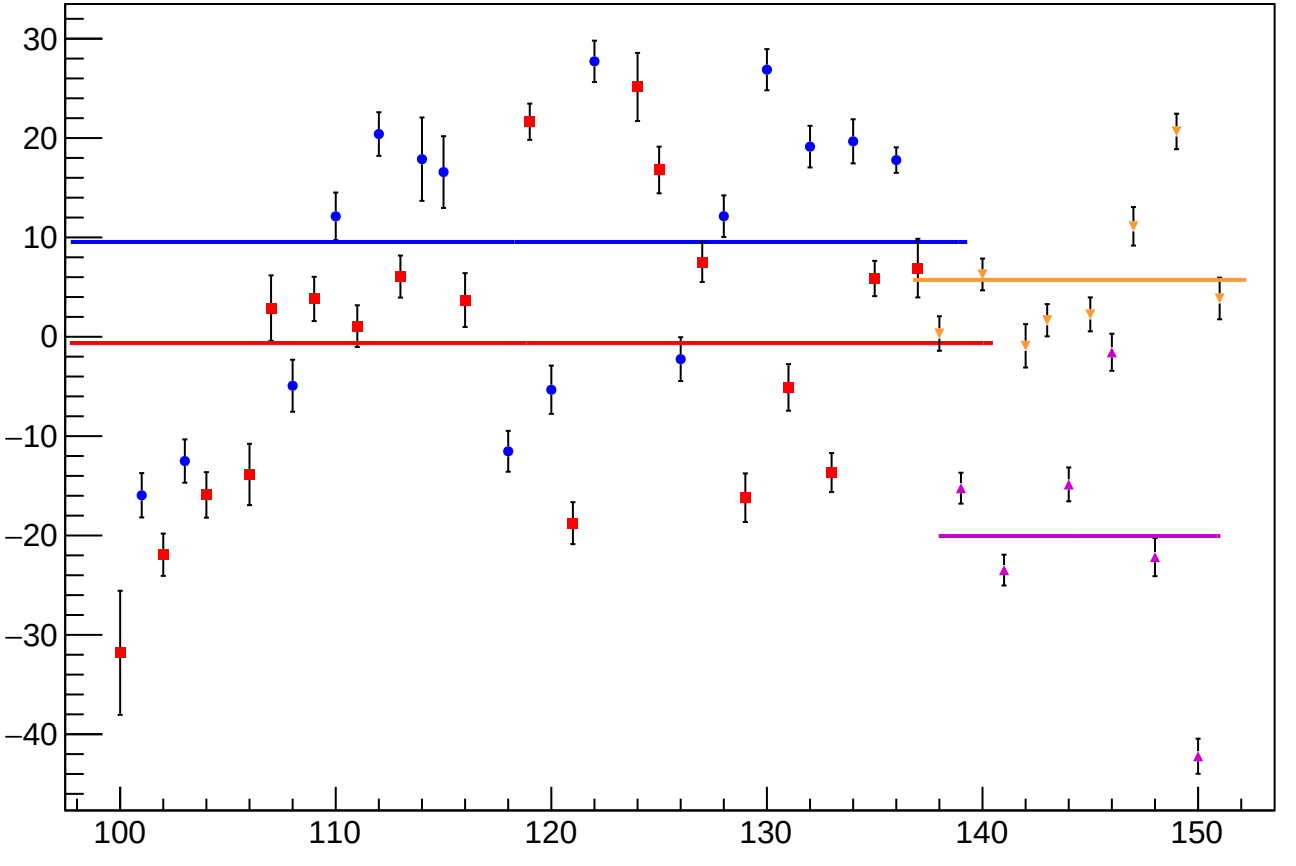
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3030.676+/-0.606 χ^2/NDF:28066.2/21

Out: 3042.048+/-0.581 χ^2/NDF:44827.1/26

All: 3036.599+/-0.419 χ^2/NDF: 73076.8/48

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.726+/-0.637 χ^2/NDF:107.9/7

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -20.056+/-0.698 χ^2/NDF:280.5/5

Left: -5.994+/-0.471 χ^2/NDF: 1132.4/13

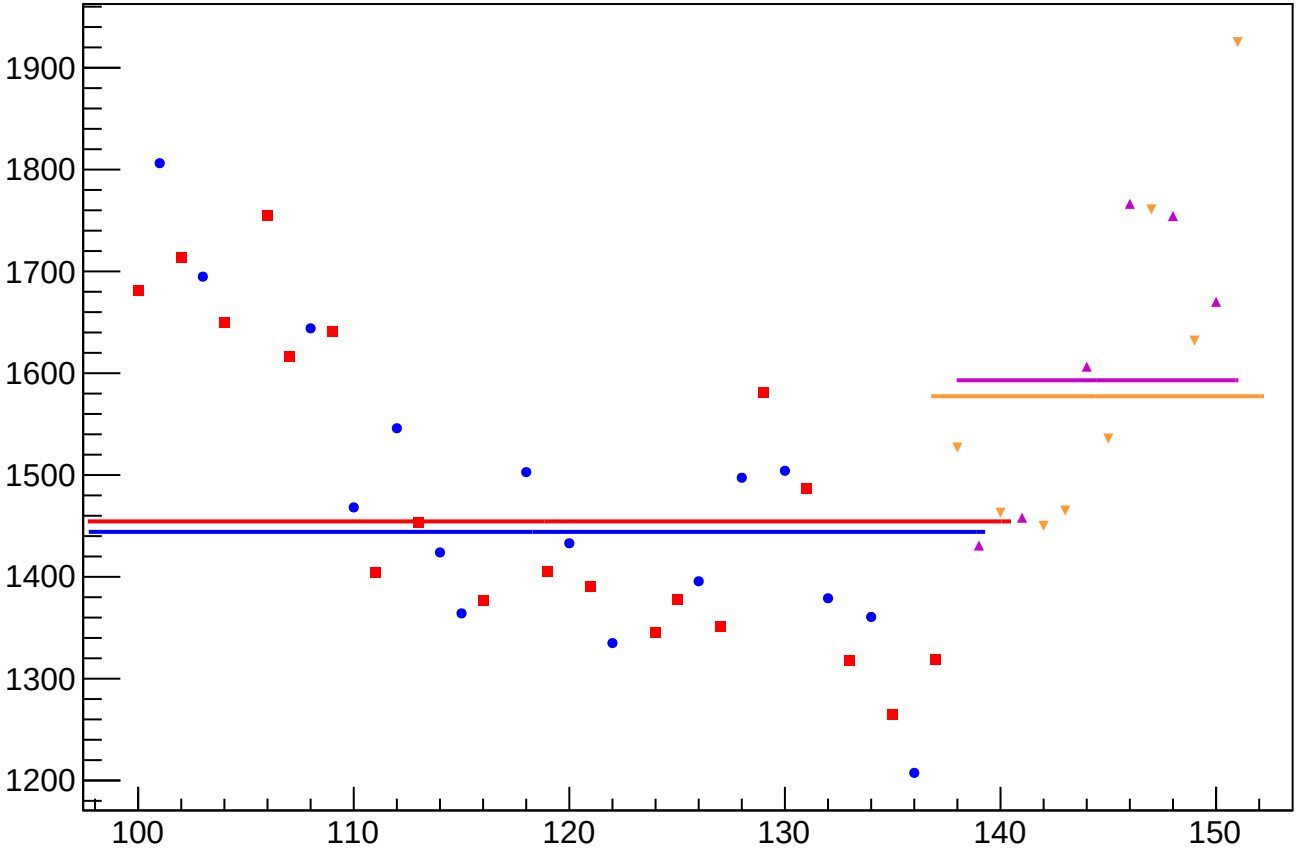
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.574+/-0.428 χ^2/NDF:2101.8/21

Out: 1.998+/-0.409 χ^2/NDF:832.0/26

All: 0.291+/-0.296 χ^2/NDF: 2970.2/48

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1577.387+/-0.451 χ^2/NDF:104301.7/7

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1593.052+/-0.494 χ^2/NDF:72249.0/5

Left: 1584.508+/-0.333 χ^2/NDF: 177100.0/13

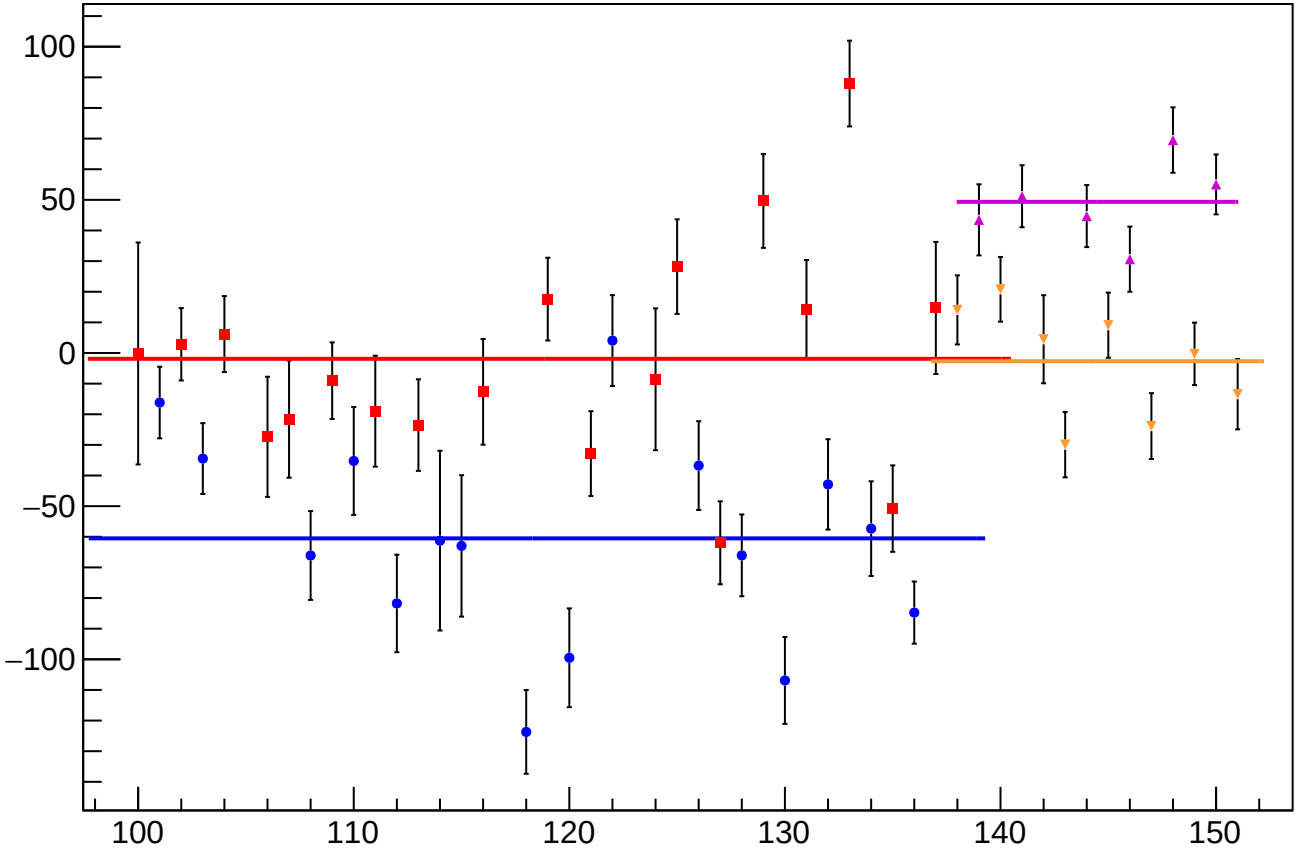
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1500.090+/-0.302 χ^2/NDF:309199.6/21

Out: 1505.188+/-0.289 χ^2/NDF:290780.8/26

All: 1502.751+/-0.209 χ^2/NDF: 600128.7/48

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -2.677+/-3.919 χ^2/NDF:19.9/7

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 49.349+/-4.264 χ^2/NDF:7.5/5

Left: 21.142+/-2.885 χ^2/NDF: 108.1/13

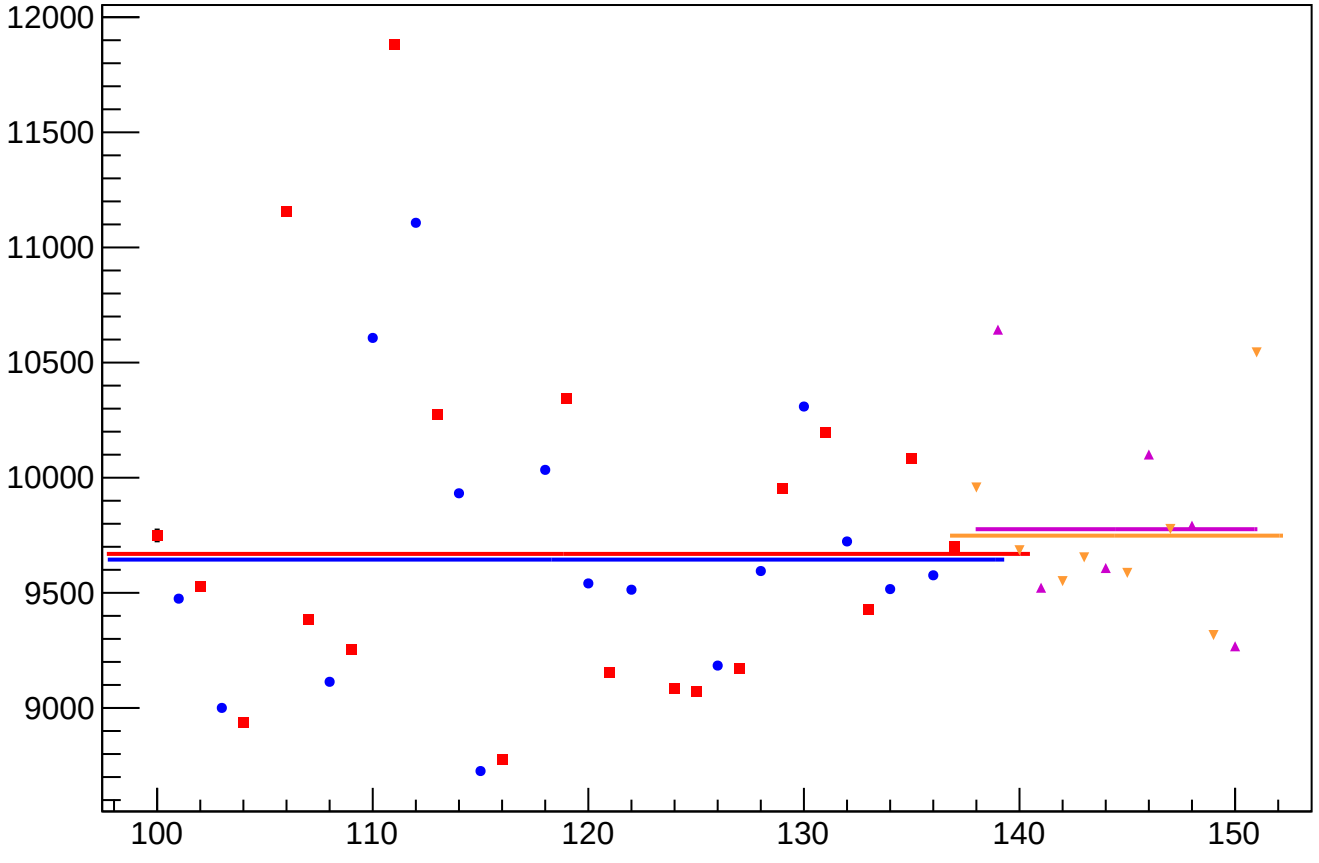
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -14.854+/-2.749 χ^2/NDF:485.7/21

Out: -2.246+/-2.628 χ^2/NDF:123.8/26

All: -8.266+/-1.900 χ^2/NDF: 620.5/48

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 9748.444+/-2.771 χ^2/NDF:14979.7/7

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 9776.421+/-3.015 χ^2/NDF:20230.5/5

Left: 9761.252+/-2.040 χ^2/NDF: 35256.8/13

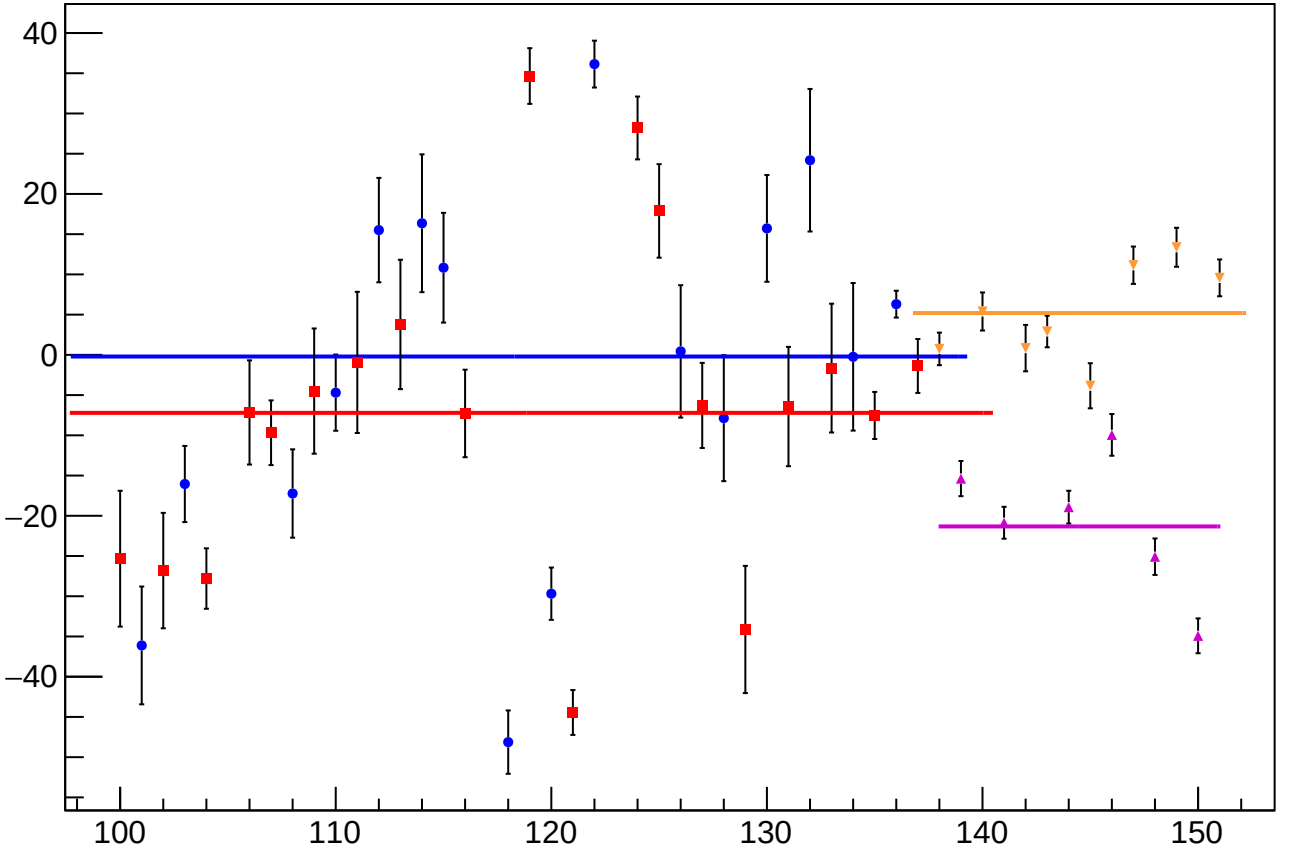
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9699.268+/-1.944 χ^2/NDF:65452.4/21

Out: 9704.807+/-1.858 χ^2/NDF:95308.6/26

All: 9702.162+/-1.343 χ^2/NDF: 160765.2/48

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.200+/-0.823 χ^2/NDF:40.5/7

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -21.325+/-0.890 χ^2/NDF:70.3/5

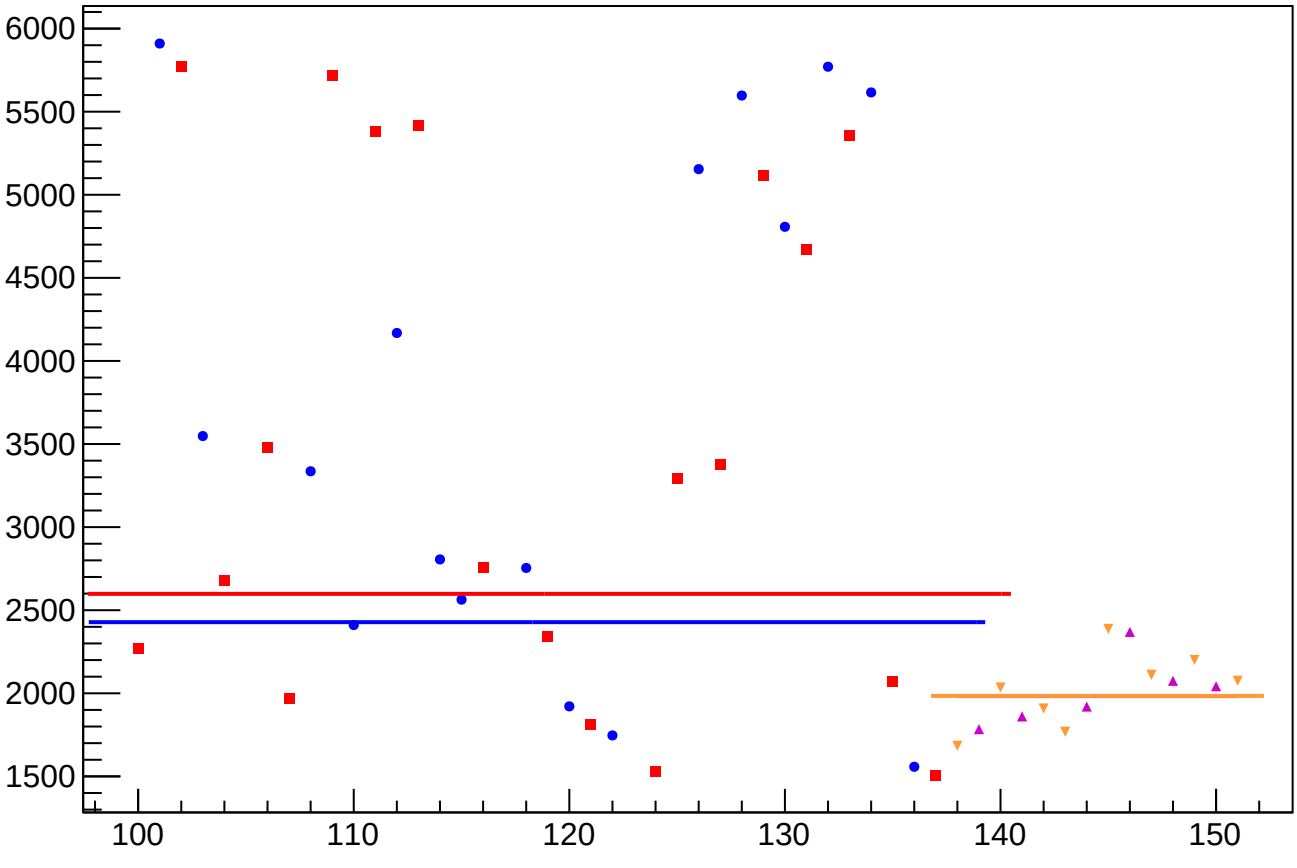
Left: -7.022+/-0.604 χ^2/NDF: 589.4/13

Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -12.446+/-0.678 χ^2/NDF:780.6/21

Out: 0.608+/-0.653 χ^2/NDF:610.2/26

All: -5.677+/-0.470 χ^2/NDF: 1583.1/48



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 1984.266+/-0.582 χ^2/NDF:136975.3/7

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 1983.235+/-0.630 χ^2/NDF:75299.0/5

Left: 1983.791+/-0.427 χ^2/NDF: 212275.8/13

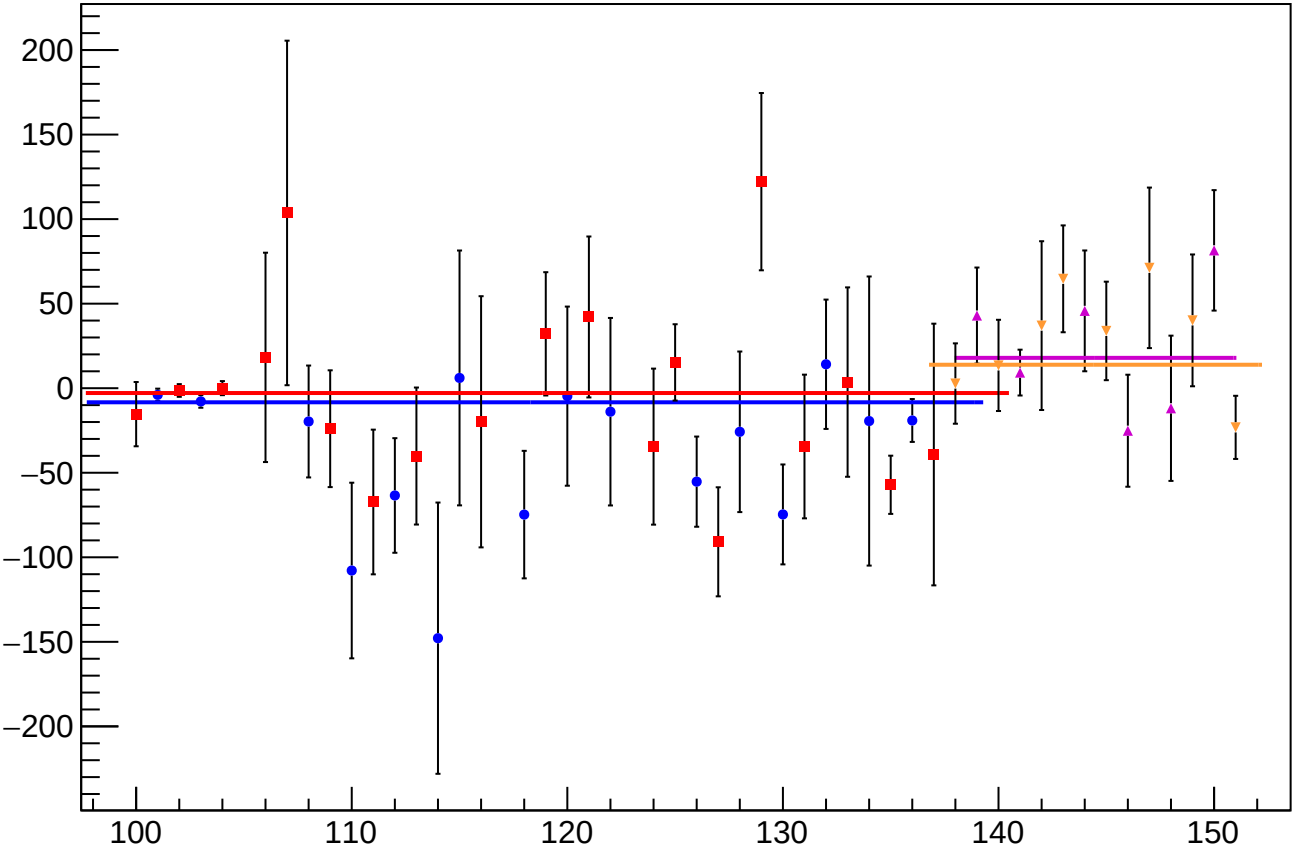
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2170.253+/-0.479 χ^2/NDF:3100548.1/21

Out: 2211.544+/-0.462 χ^2/NDF:3063998.6/26

All: 2191.662+/-0.333 χ^2/NDF: 6168395.1/48

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 13.879+/-10.156 χ^2/NDF:9.3/7

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 17.948+/-10.148 χ^2/NDF:7.2/5

Left: 15.915+/-7.178 χ^2/NDF: 16.6/13

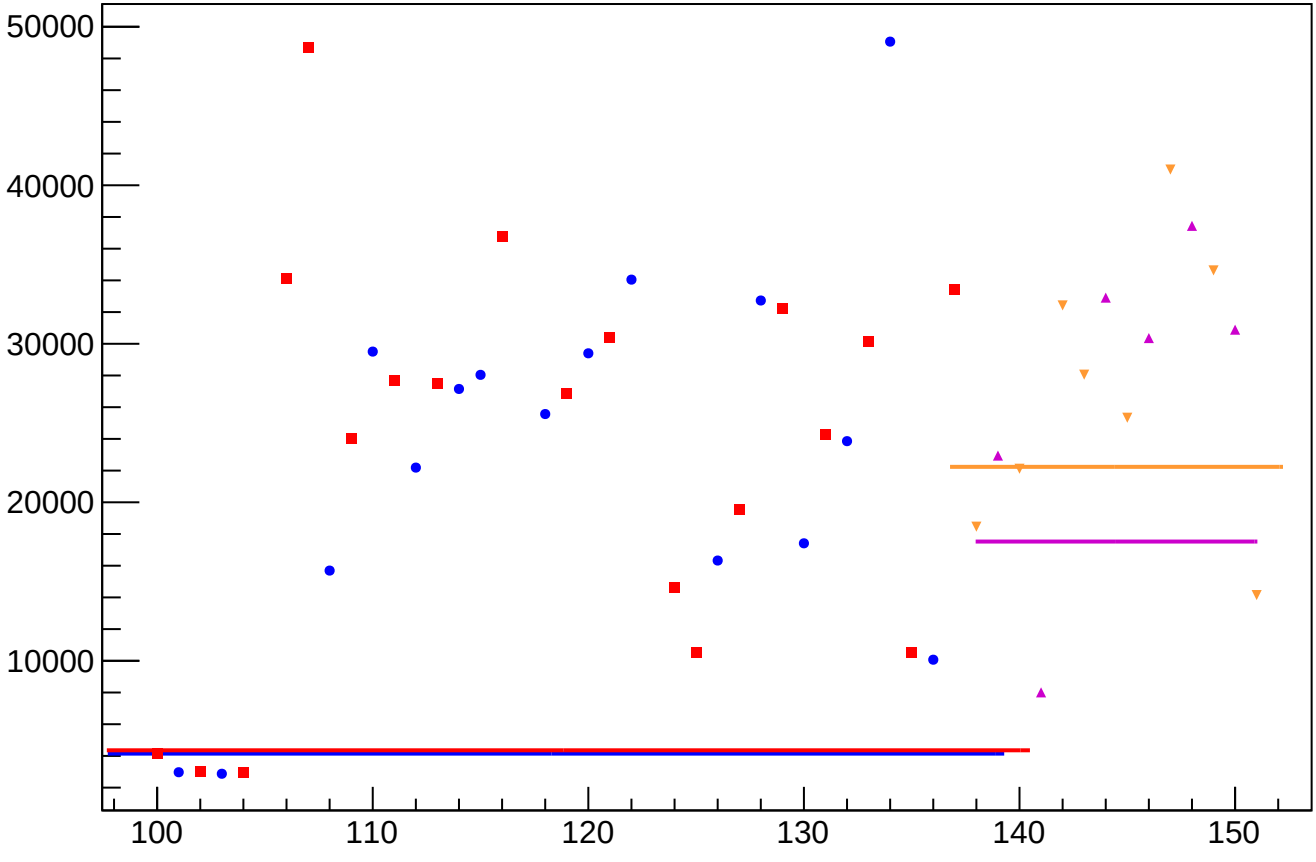
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.829+/-2.427 χ^2/NDF:36.9/21

Out: -1.790+/-2.555 χ^2/NDF:44.5/26

All: -4.439+/-1.759 χ^2/NDF: 83.4/48

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 22236.587+/-7.181 χ^2/NDF:1113884.6/7

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 17523.557+/-7.175 χ^2/NDF:2442035.4/5

Left: 19878.174+/-5.076 χ^2/NDF: 3771461.2/13

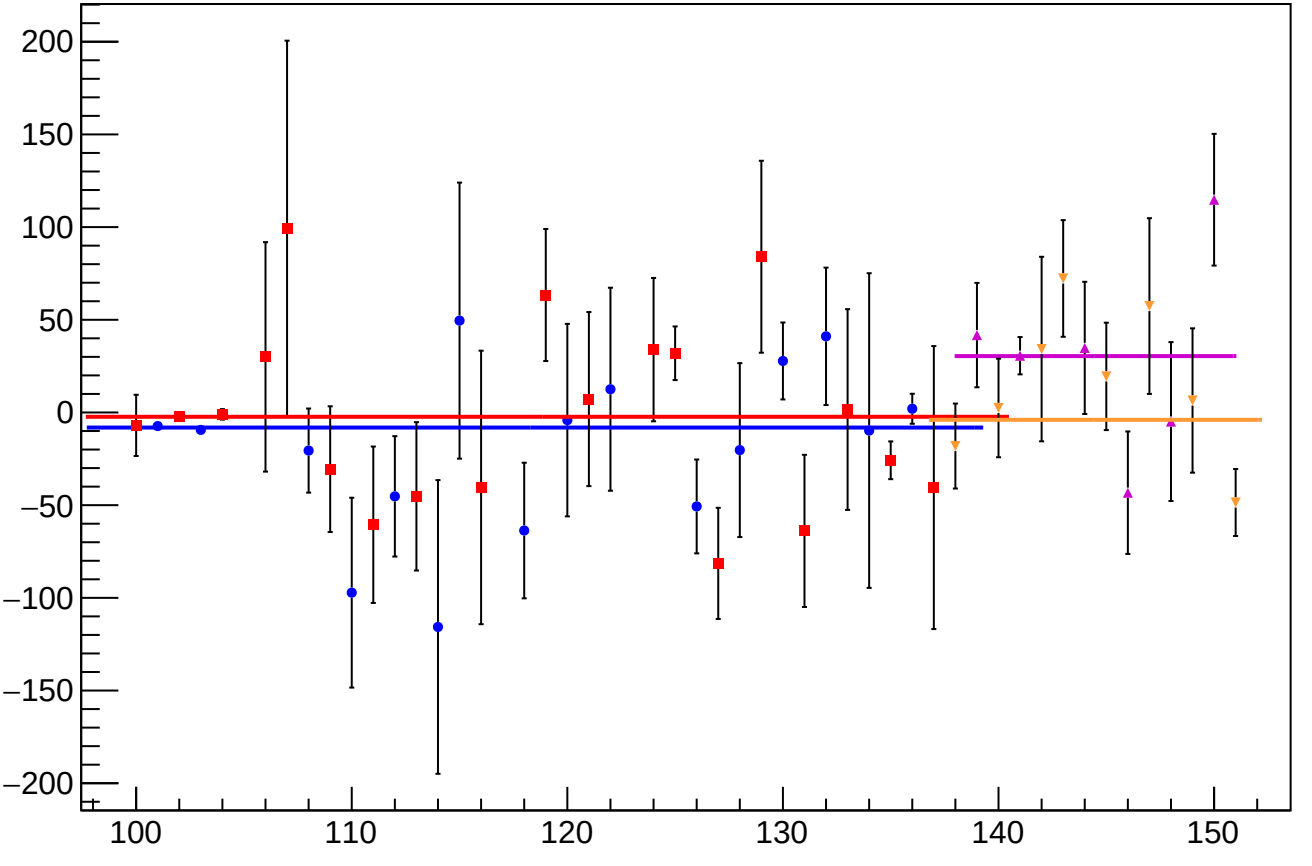
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 4910.946+/-1.716 χ^2/NDF:12556153.0/21

Out: 5485.990+/-1.806 χ^2/NDF:14547098.2/26

All: 5183.720+/-1.244 χ^2/NDF: 27156517.3/4

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -3.958+/-9.955 χ^2/NDF:15.4/7

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 30.409+/-8.399 χ^2/NDF:11.5/5

Left: 16.118+/-6.420 χ^2/NDF: 33.8/13

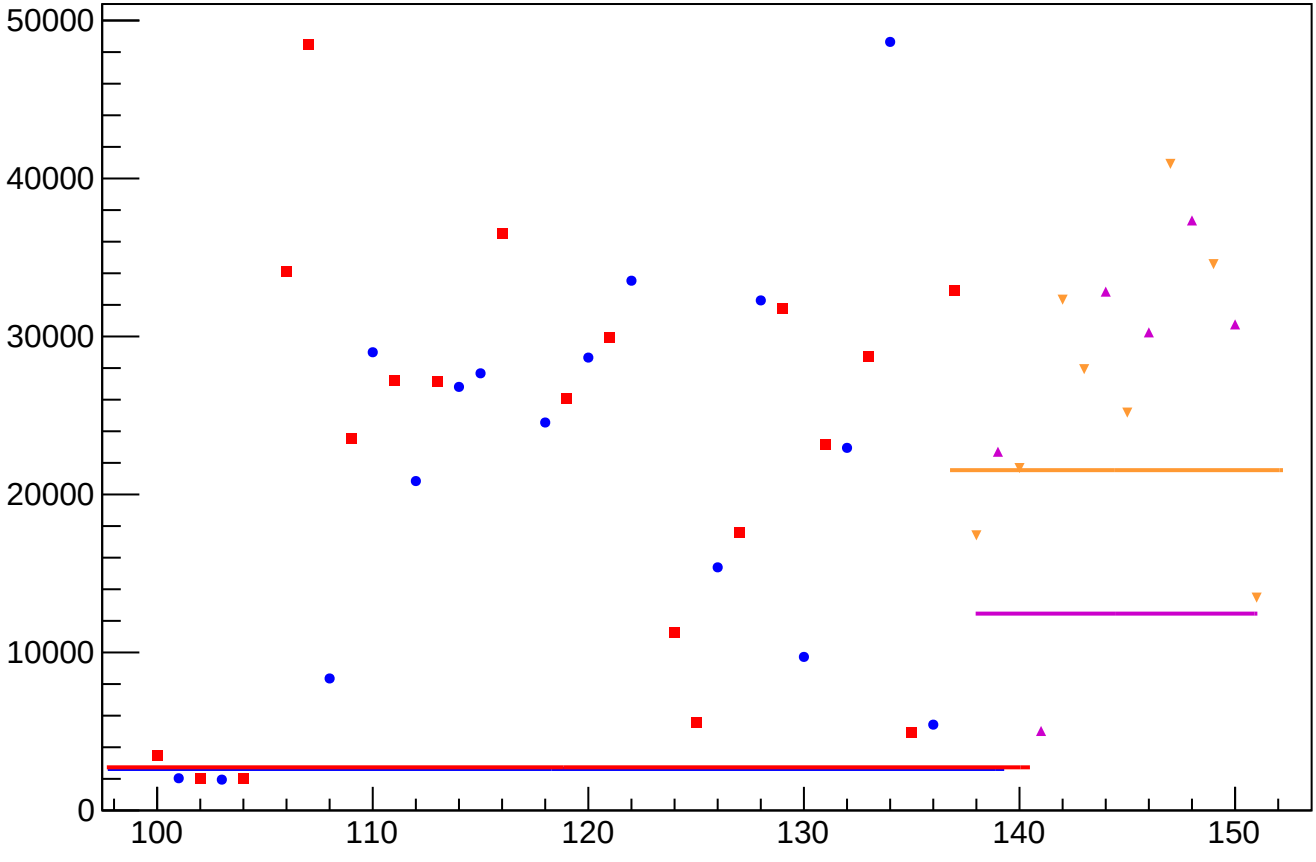
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.581+/-1.685 χ^2/NDF:50.8/21

Out: -2.378+/-1.792 χ^2/NDF:48.5/26

All: -4.608+/-1.228 χ^2/NDF: 102.2/48

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 21538.947+/-7.039 χ^2/NDF:1230684.5/7

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 12458.652+/-5.939 χ^2/NDF:3794092.8/5

Left: 16234.539+/-4.539 χ^2/NDF: 5996774.1/13

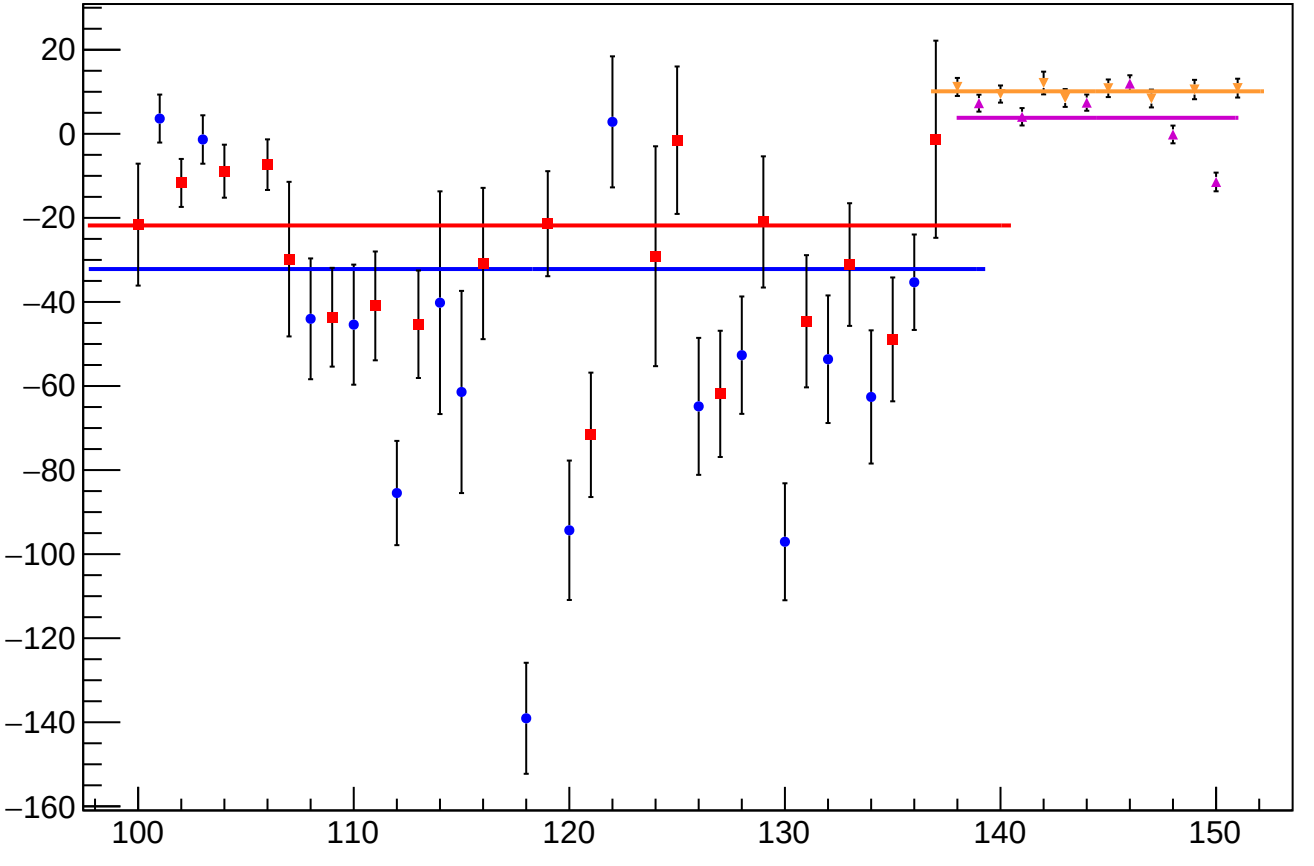
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3022.319+/-1.192 χ^2/NDF:13205249.3/21

Out: 3339.615+/-1.267 χ^2/NDF:16124511.4/26

All: 3171.257+/-0.868 χ^2/NDF: 29363033.9/4

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.114+/-0.777 χ^2/NDF:2.4/7

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.811+/-0.836 χ^2/NDF:74.4/5

Left: 7.191+/-0.569 χ^2/NDF: 107.2/13

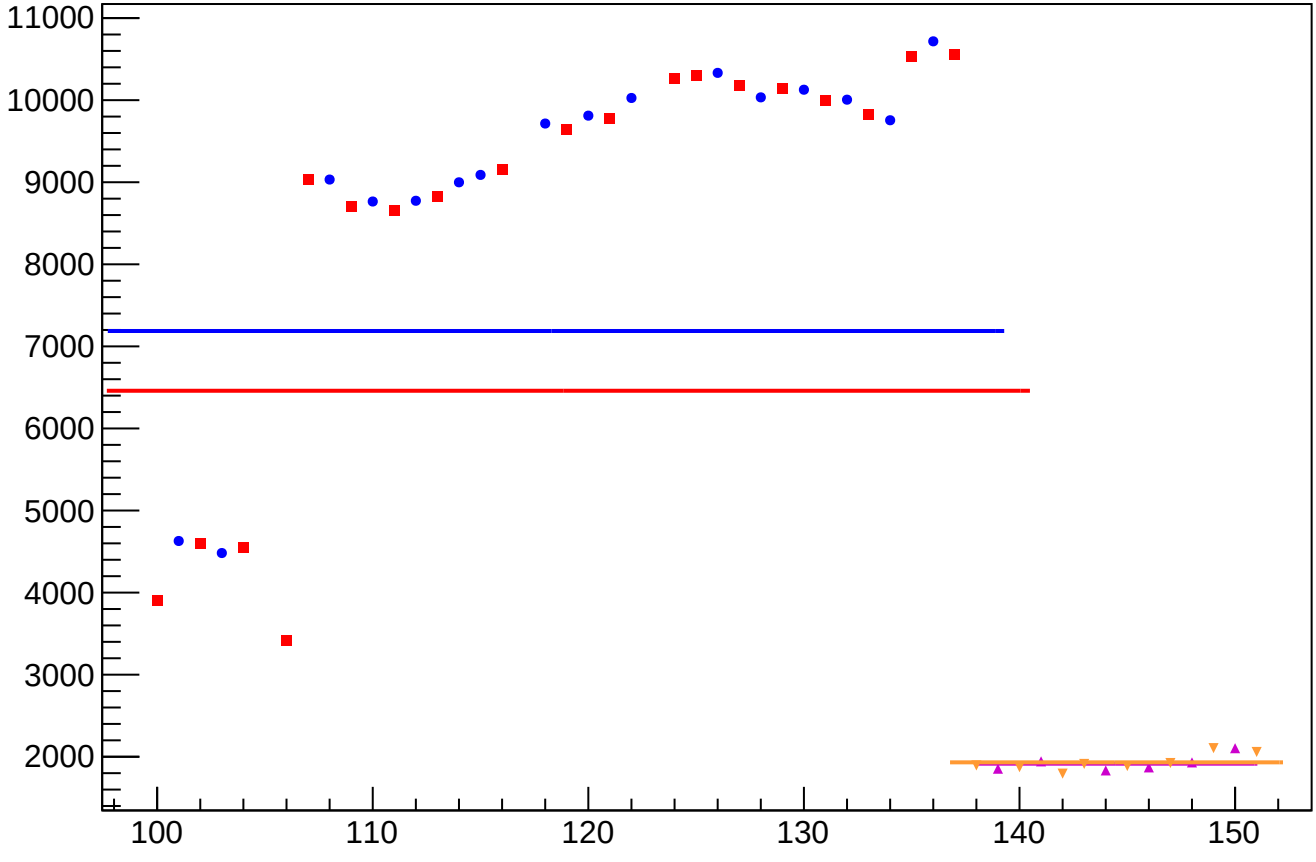
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 0.947+/-0.802 χ^2/NDF:429.7/21

Out: 7.416+/-0.744 χ^2/NDF:194.0/26

All: 4.425+/-0.545 χ^2/NDF: 658.7/48

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1931.803+/-0.549 χ^2/NDF:26296.6/7

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1915.412+/-0.591 χ^2/NDF:21386.0/5

Left: 1924.201+/-0.402 χ^2/NDF: 48095.3/13

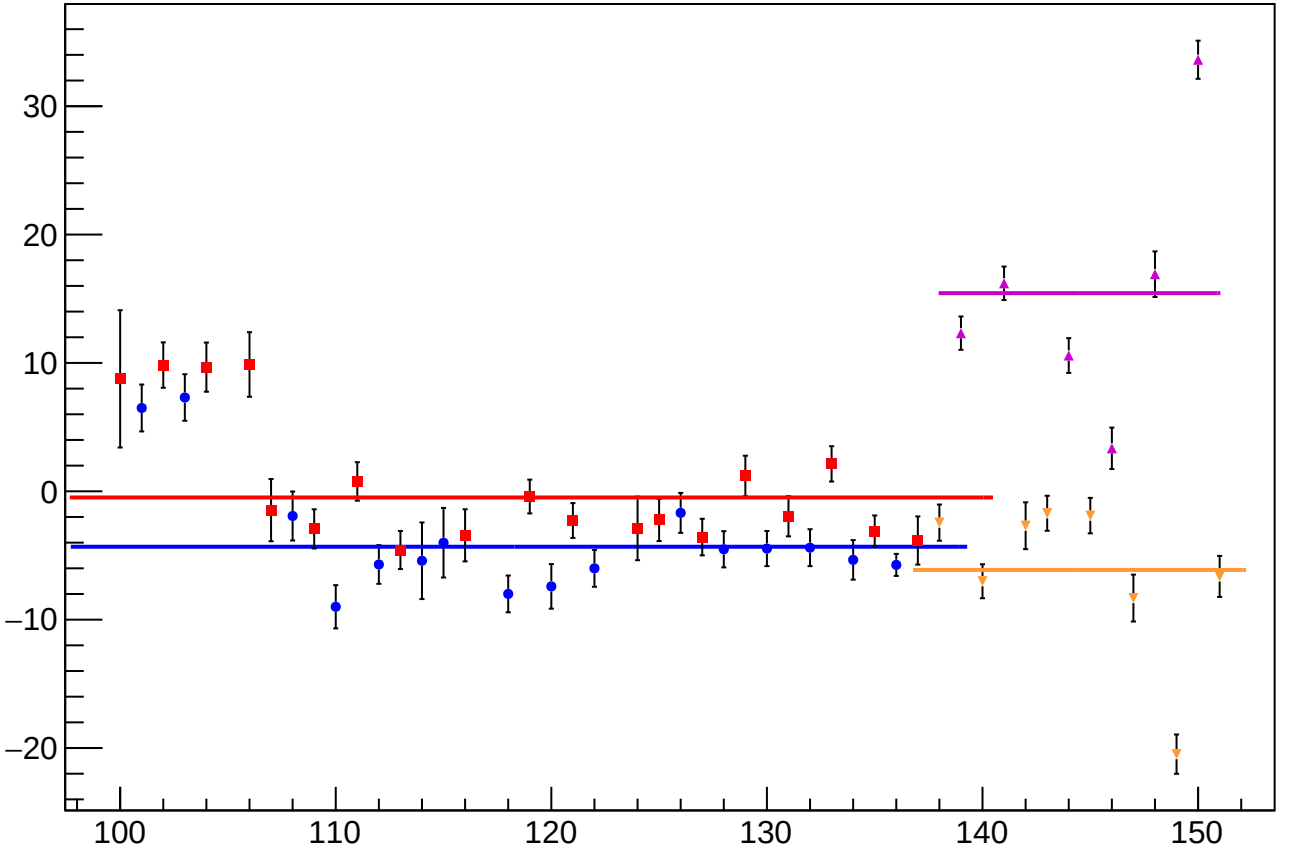
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2334.939+/-0.567 χ^2/NDF:8063026.3/21

Out: 2314.501+/-0.526 χ^2/NDF:8041467.9/26

All: 2323.952+/-0.385 χ^2/NDF: 16105193.0/4

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -6.125+/-0.530 χ^2/NDF:120.1/7

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 15.437+/-0.589 χ^2/NDF:225.8/5

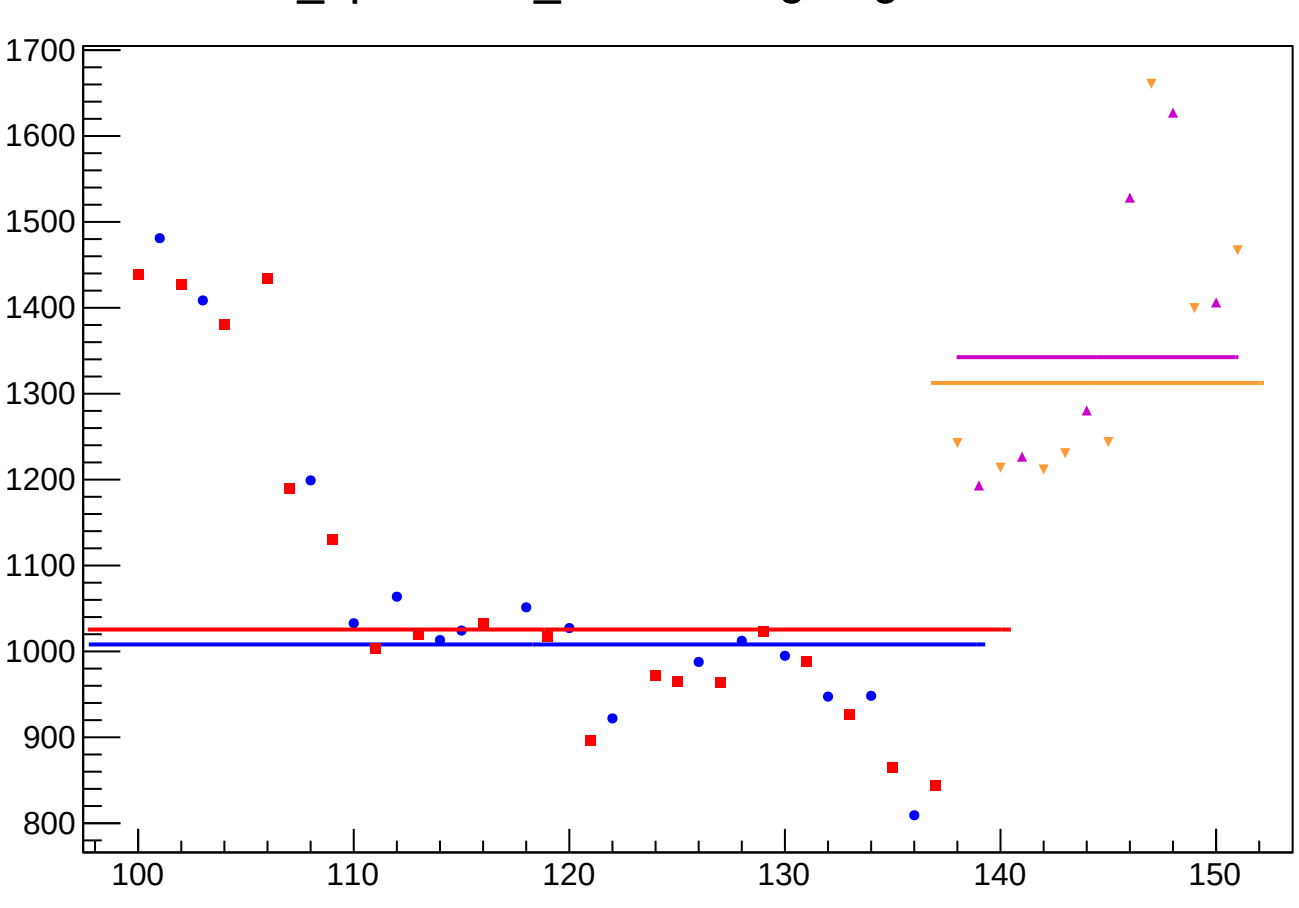
Left: 3.531+/-0.394 χ^2/NDF: 1086.1/13

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.483+/-0.319 χ^2/NDF:1124.3/21

Out: -2.387+/-0.308 χ^2/NDF:312.3/26

All: -0.520+/-0.222 χ^2/NDF: 1512.7/48



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1312.551+/-0.375 χ^2/NDF:132209.6/7

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1342.557+/-0.416 χ^2/NDF:128081.8/5

Left: 1325.988+/-0.279 χ^2/NDF: 263158.1/13

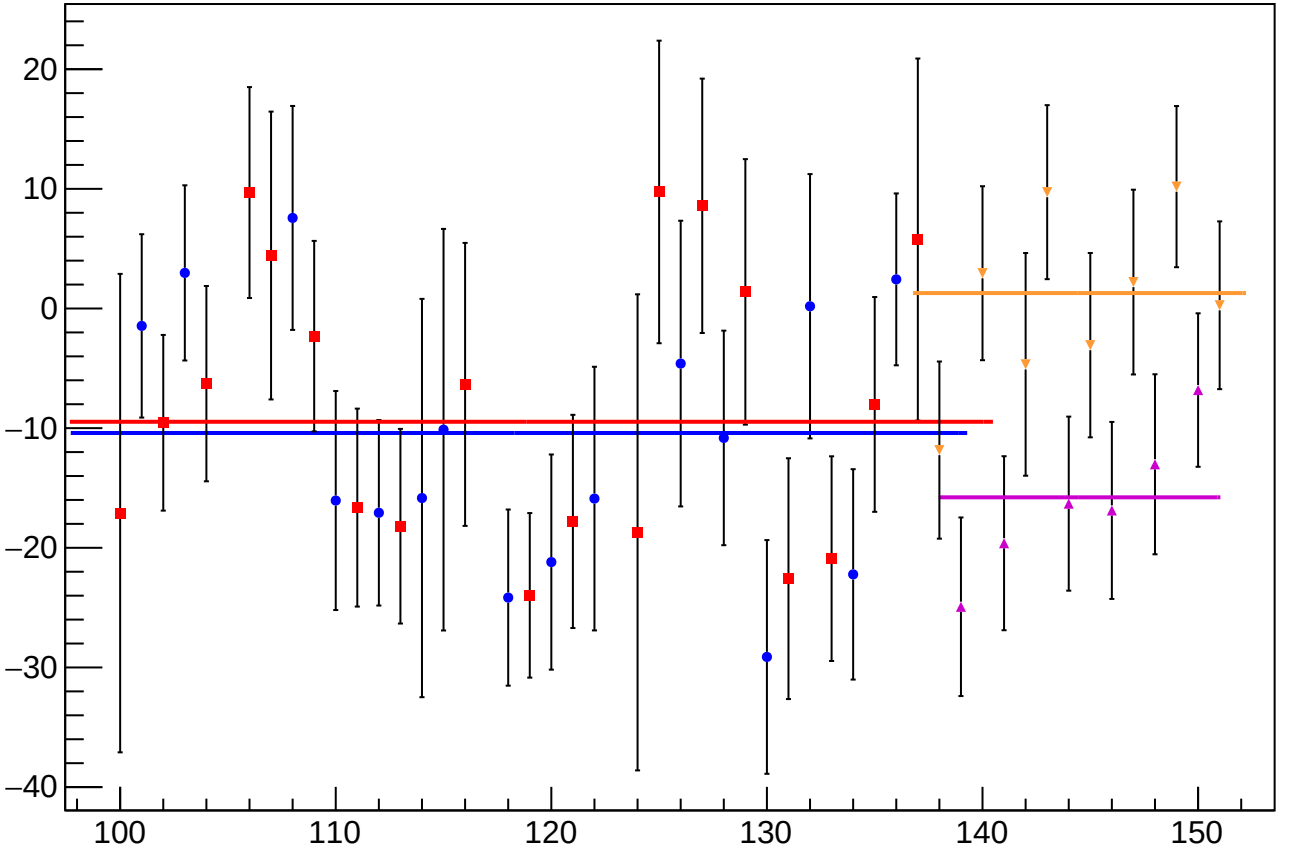
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1106.329+/-0.226 χ^2/NDF:962474.1/21

Out: 1122.407+/-0.218 χ^2/NDF:866292.0/26

All: 1114.649+/-0.157 χ^2/NDF: 1831392.5/48

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: 1.290+/-2.638 χ^2/NDF:7.0/7

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -15.781+/-2.936 χ^2/NDF:3.9/5

Left: -6.338+/-1.962 χ^2/NDF: 29.7/13

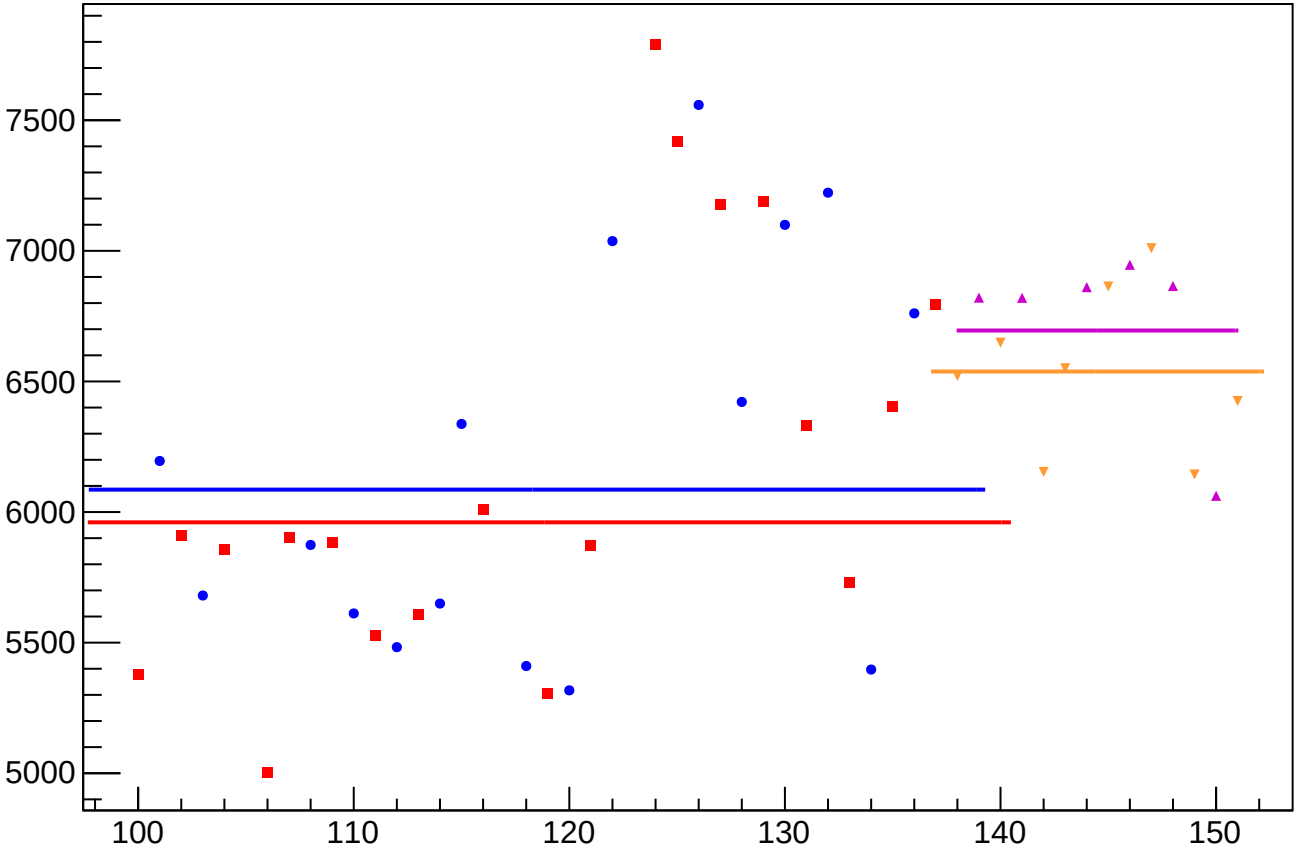
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.427+/-1.801 χ^2/NDF:30.6/21

Out: -5.077+/-1.686 χ^2/NDF:42.2/26

All: -8.509+/-1.231 χ^2/NDF: 81.7/48

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6537.973+/-1.866 χ^2/NDF:22310.3/7

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6695.008+/-2.076 χ^2/NDF:25015.5/5

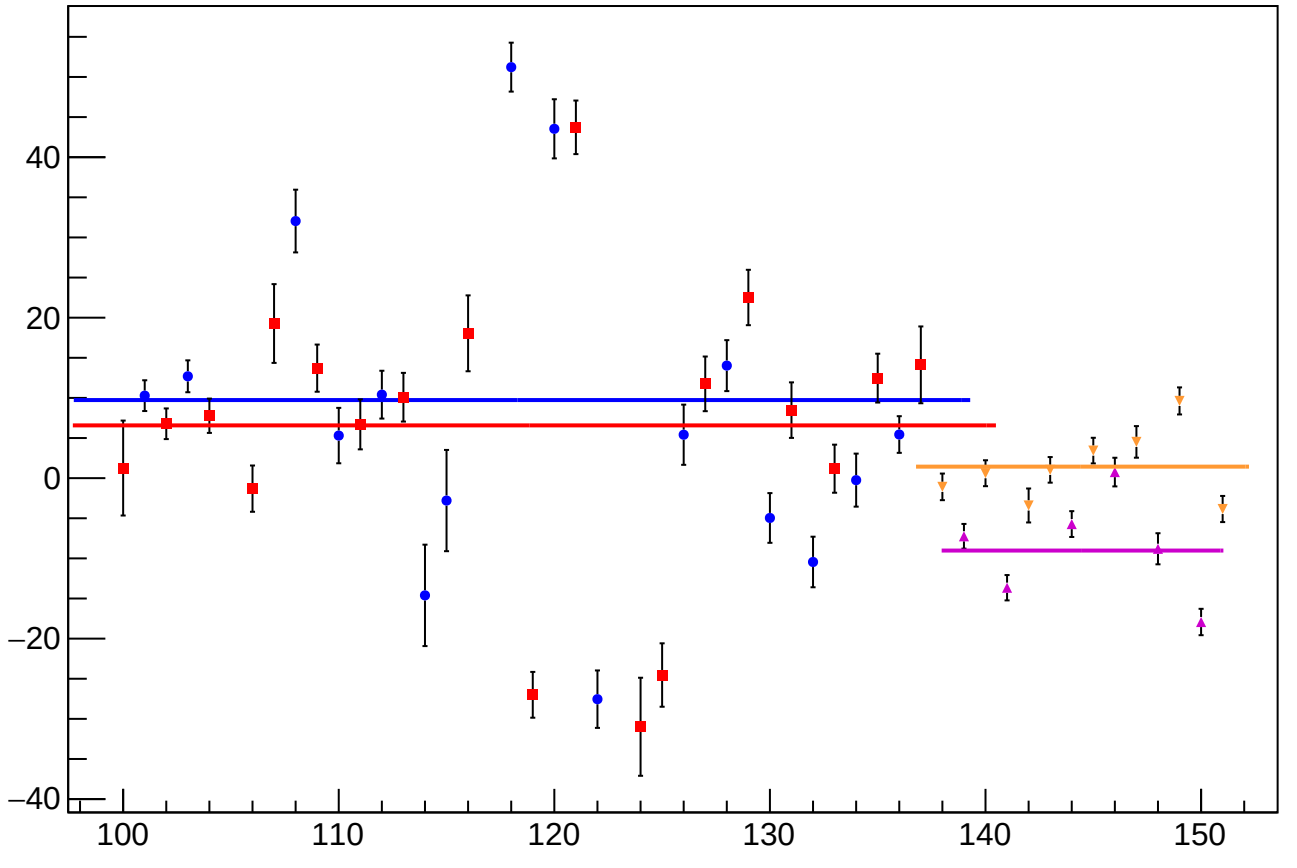
Left: 6608.139+/-1.388 χ^2/NDF: 50491.3/13

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6315.049+/-1.273 χ^2/NDF:257842.1/21

Out: 6196.240+/-1.192 χ^2/NDF:241766.4/26

All: 6251.724+/-0.870 χ^2/NDF: 504249.0/48



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.435+/-0.604 χ^2/NDF:46.0/7

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -9.024+/-0.680 χ^2/NDF:73.6/5

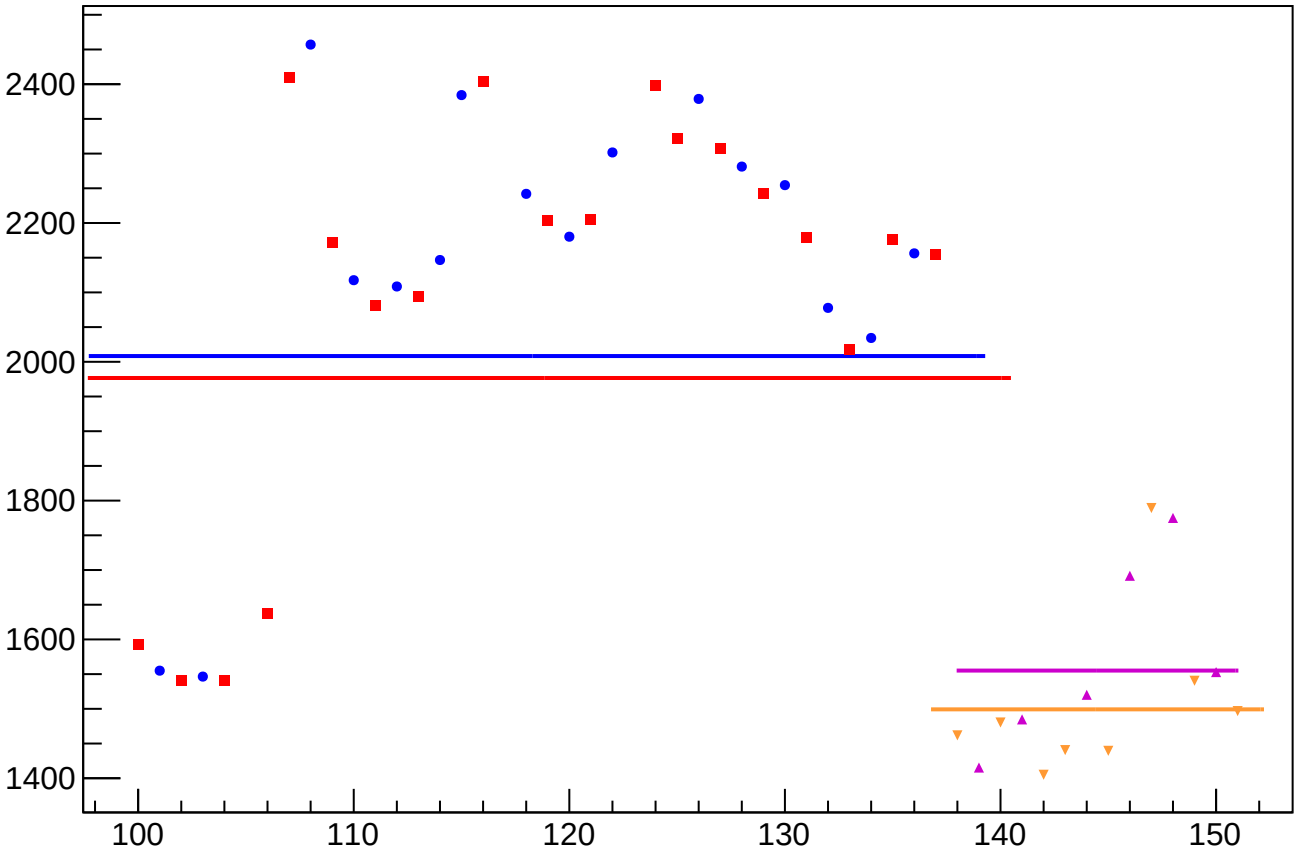
Left: -3.174+/-0.452 χ^2/NDF: 251.7/13

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -0.617+/-0.505 χ^2/NDF:926.6/21

Out: 3.523+/-0.465 χ^2/NDF:499.2/26

All: 1.623+/-0.342 χ^2/NDF: 1462.0/48



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1499.240+/-0.427 χ^2/NDF:55369.2/7

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1555.118+/-0.481 χ^2/NDF:58867.7/5

Left: 1523.868+/-0.319 χ^2/NDF: 121780.7/13

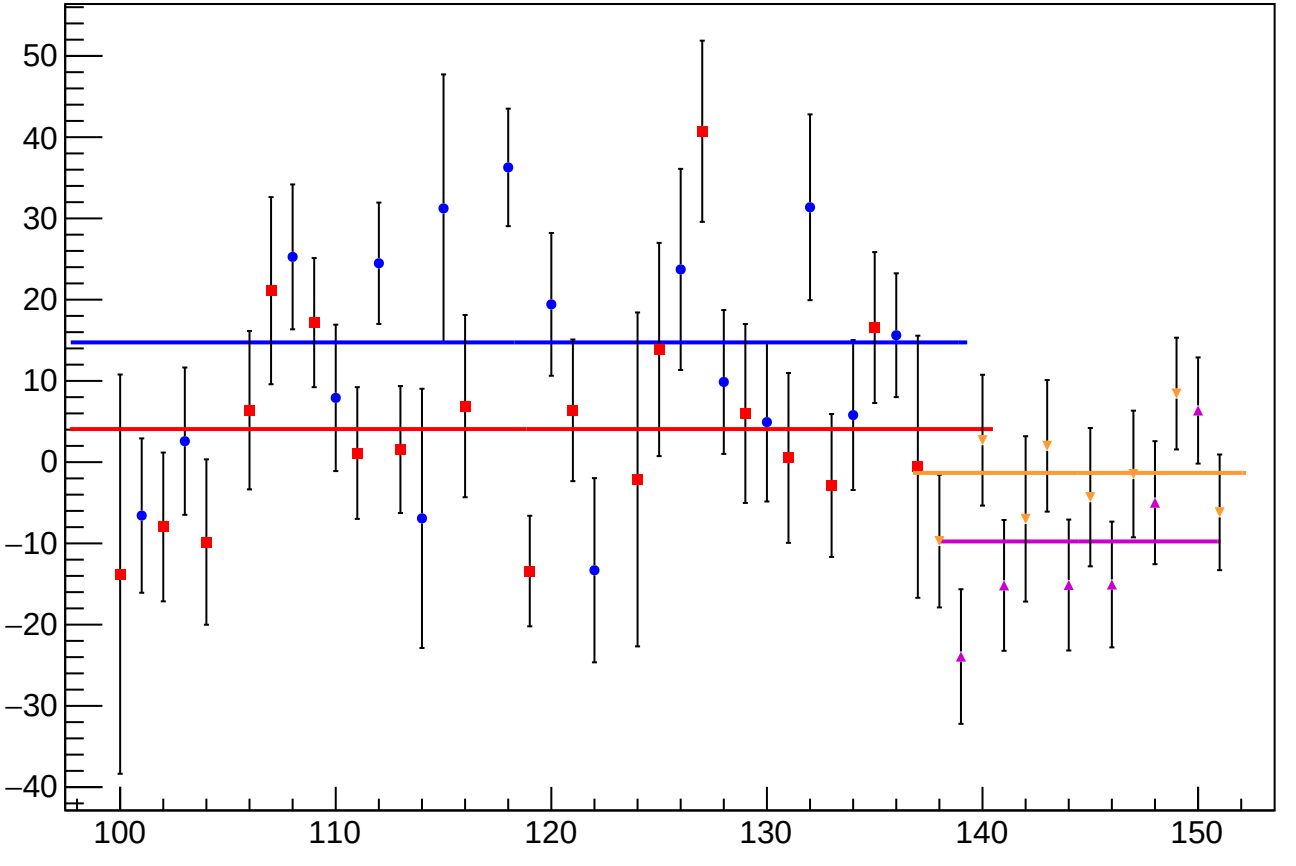
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1758.241+/-0.357 χ^2/NDF:800928.2/21

Out: 1693.165+/-0.329 χ^2/NDF:928295.8/26

All: 1723.029+/-0.242 χ^2/NDF: 1747165.3/48

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -1.324+/-2.812 χ^2/NDF:4.4/7

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -9.760+/-3.117 χ^2/NDF:10.8/5

Left: -5.110+/-2.088 χ^2/NDF: 19.2/13

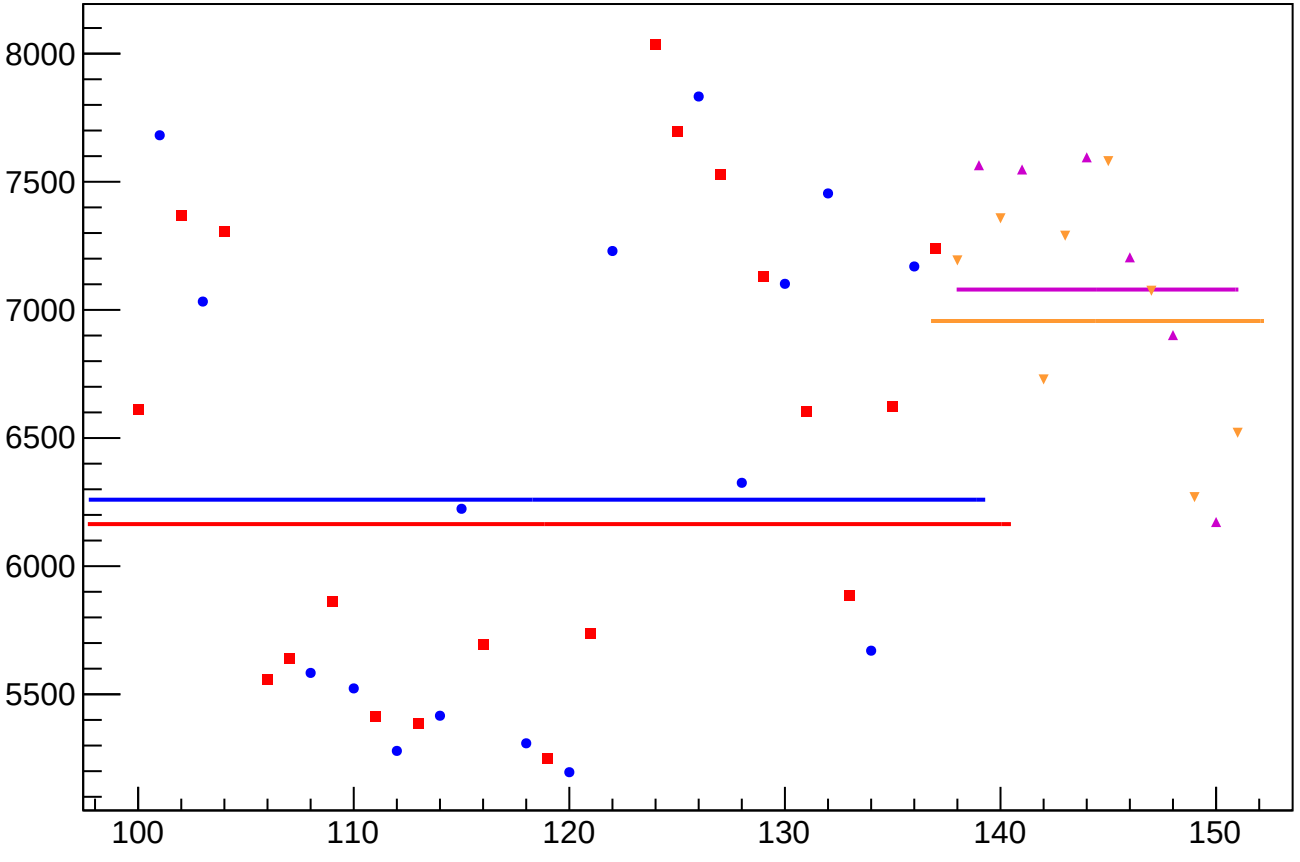
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 5.822+/-1.880 χ^2/NDF:83.6/21

Out: 1.939+/-1.768 χ^2/NDF:36.8/26

All: 3.761+/-1.288 χ^2/NDF: 122.6/48

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6956.730+/-1.988 χ^2/NDF:49701.6/7

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 7079.412+/-2.204 χ^2/NDF:62009.3/5

Left: 7011.785+/-1.476 χ^2/NDF: 113419.2/13

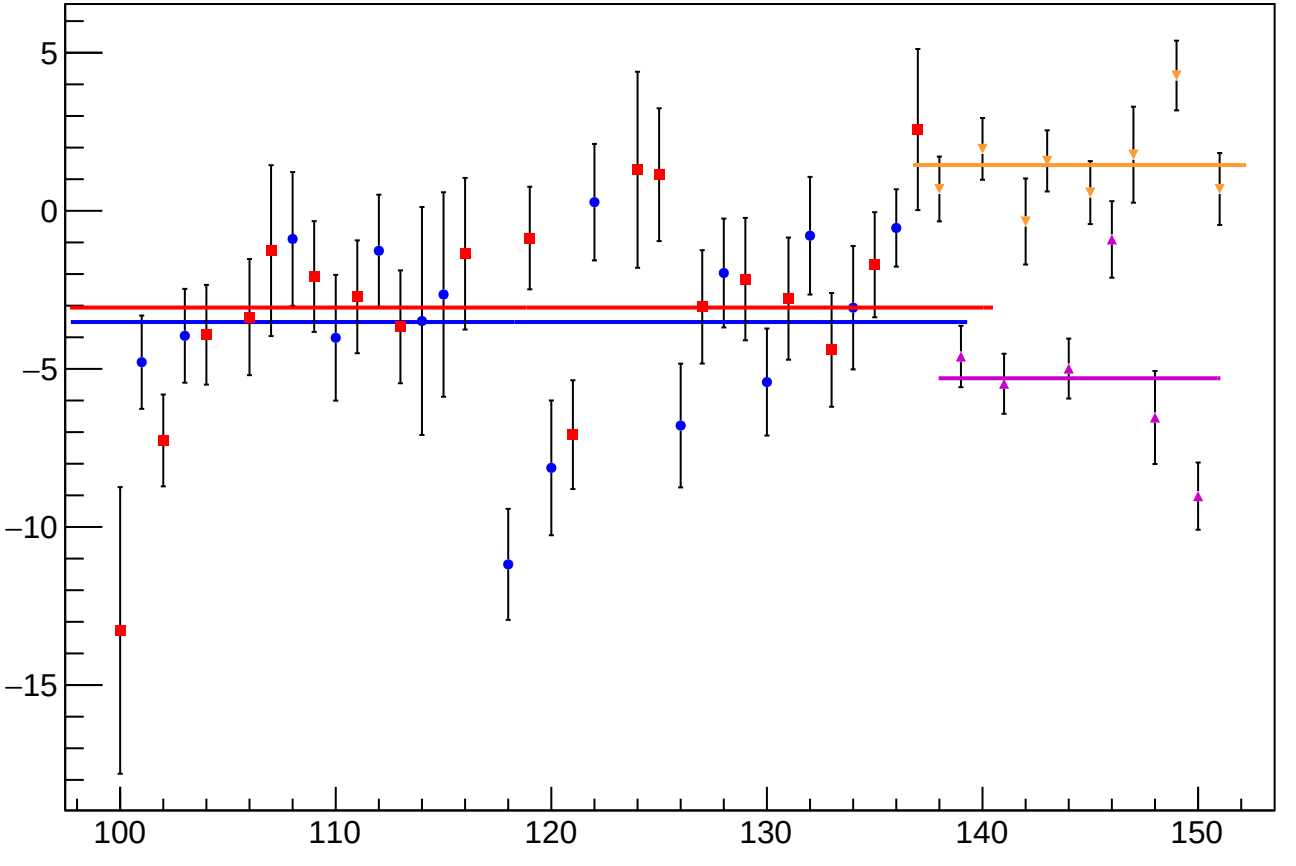
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6557.870+/-1.330 χ^2/NDF:458674.0/21

Out: 6477.476+/-1.250 χ^2/NDF:410833.7/26

All: 6515.204+/-0.911 χ^2/NDF: 871448.2/48

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.447+/-0.388 χ^2/NDF:10.4/7

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -5.296+/-0.434 χ^2/NDF:26.8/5

Left: -1.547+/-0.289 χ^2/NDF: 171.5/13

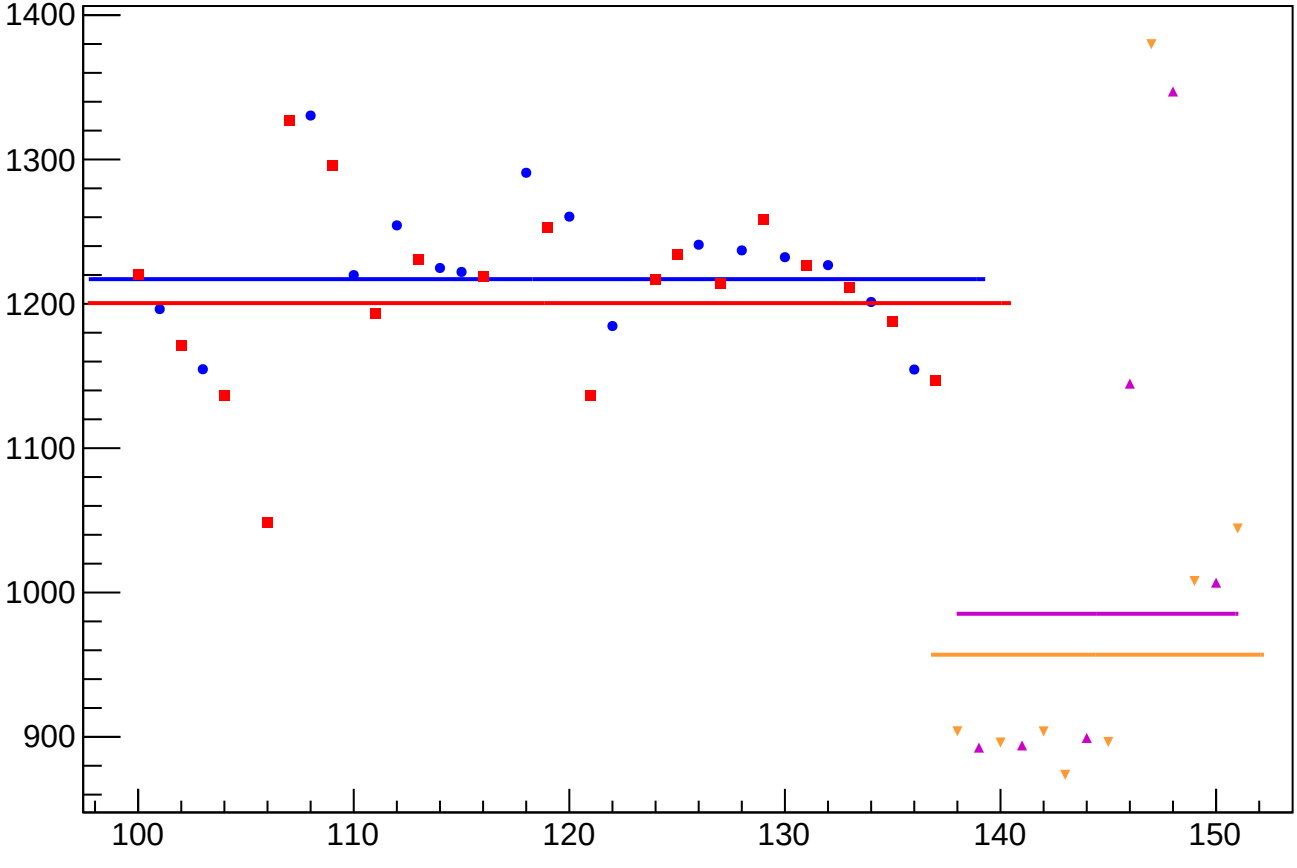
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -4.444+/-0.313 χ^2/NDF:79.9/21

Out: -0.531+/-0.290 χ^2/NDF:104.5/26

All: -2.341+/-0.213 χ^2/NDF: 268.4/48

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 956.929+/-0.274 χ^2/NDF:209723.5/7

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 985.290+/-0.307 χ^2/NDF:209710.2/5

Left: 969.523+/-0.204 χ^2/NDF: 424183.9/13

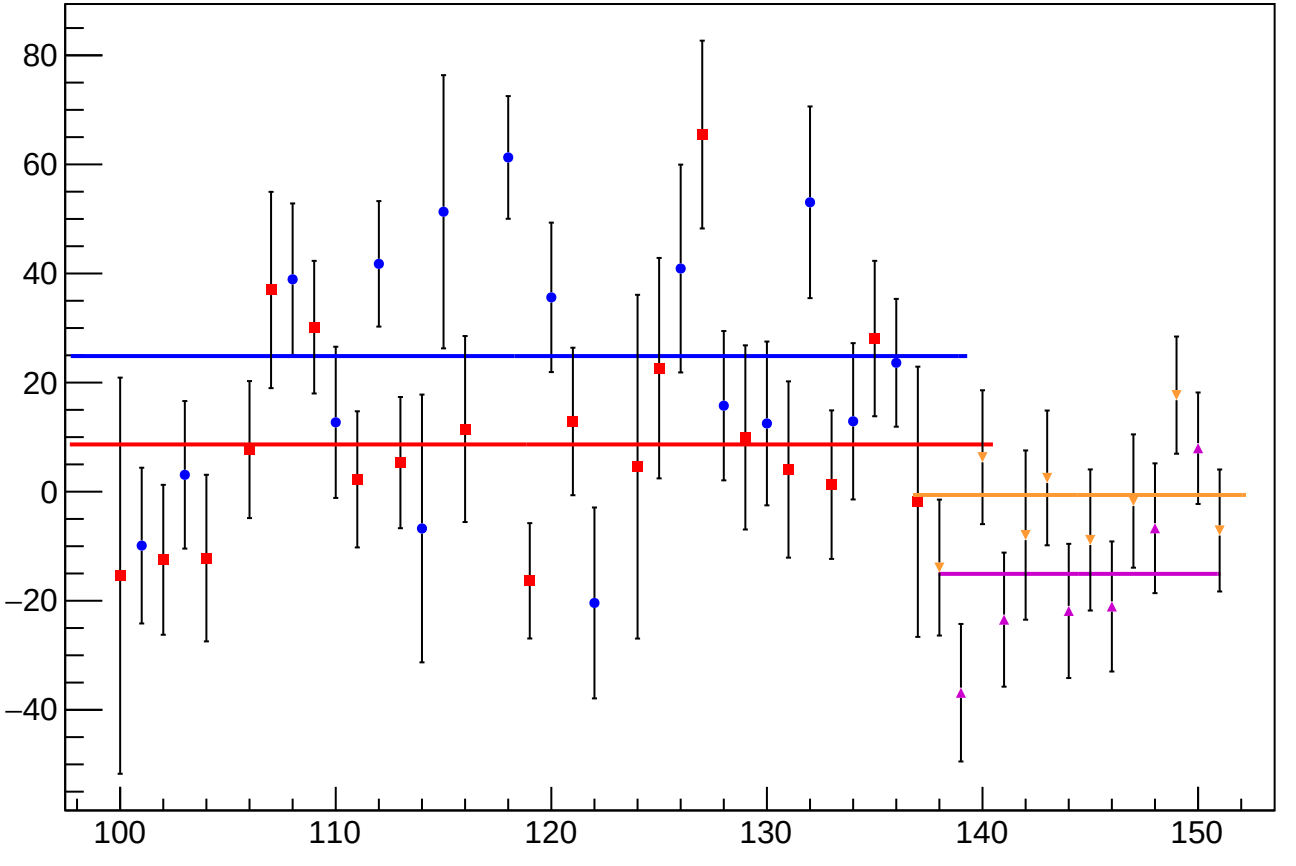
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1096.351+/-0.221 χ^2/NDF:504890.9/21

Out: 1063.869+/-0.205 χ^2/NDF:593766.9/26

All: 1078.890+/-0.151 χ^2/NDF: 1110225.6/48

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -0.606+/-4.339 χ^2/NDF:5.4/7

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -15.069+/-4.812 χ^2/NDF:9.6/5

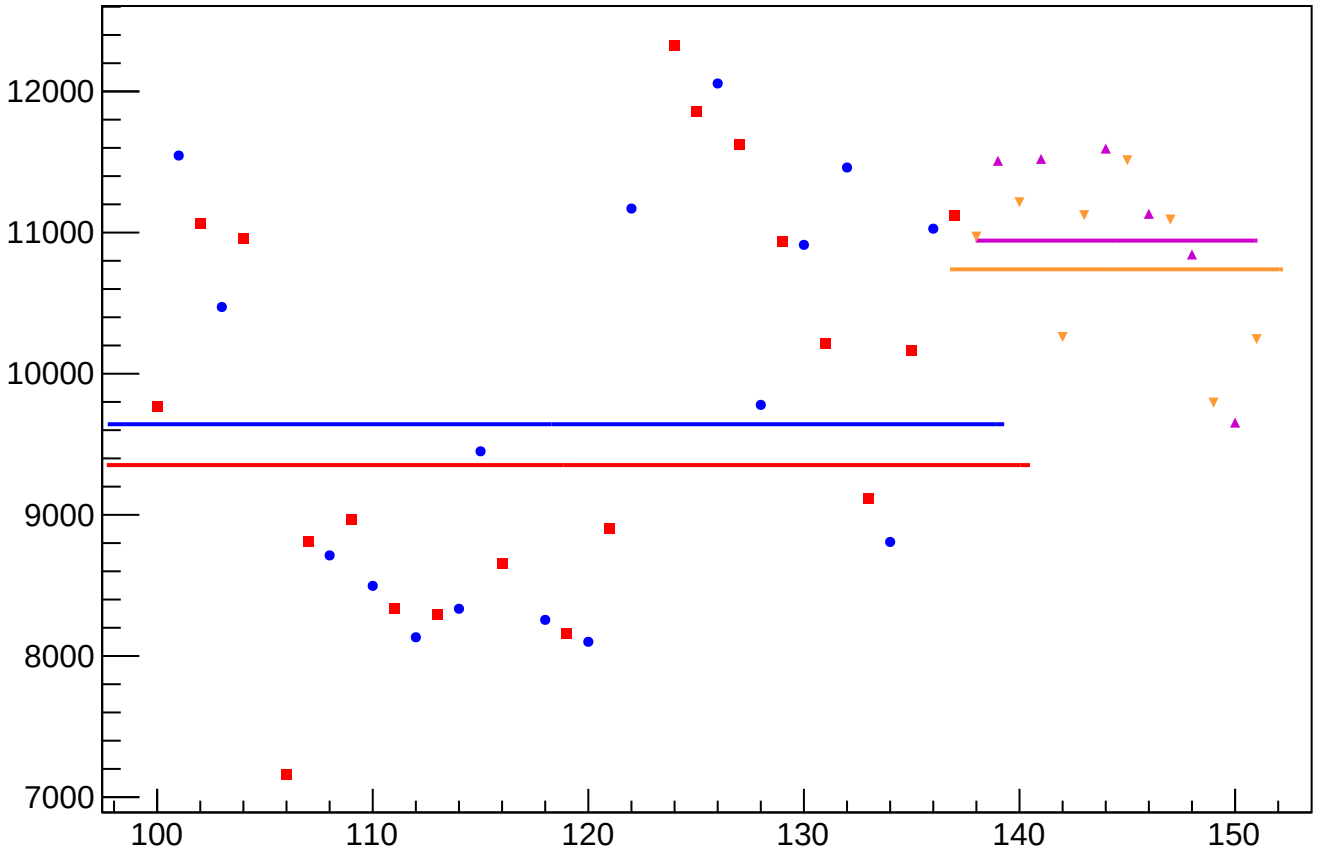
Left: -7.092+/-3.222 χ^2/NDF: 20.0/13

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 10.388+/-2.897 χ^2/NDF:91.6/21

Out: 5.065+/-2.702 χ^2/NDF:38.3/26

All: 7.542+/-1.976 χ^2/NDF: 131.8/48



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10739.633+/-3.068 χ^2/NDF:35710.3/7

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 10943.080+/-3.402 χ^2/NDF:46560.5/5

Left: 10830.868+/-2.278 χ^2/NDF: 84242.9/13

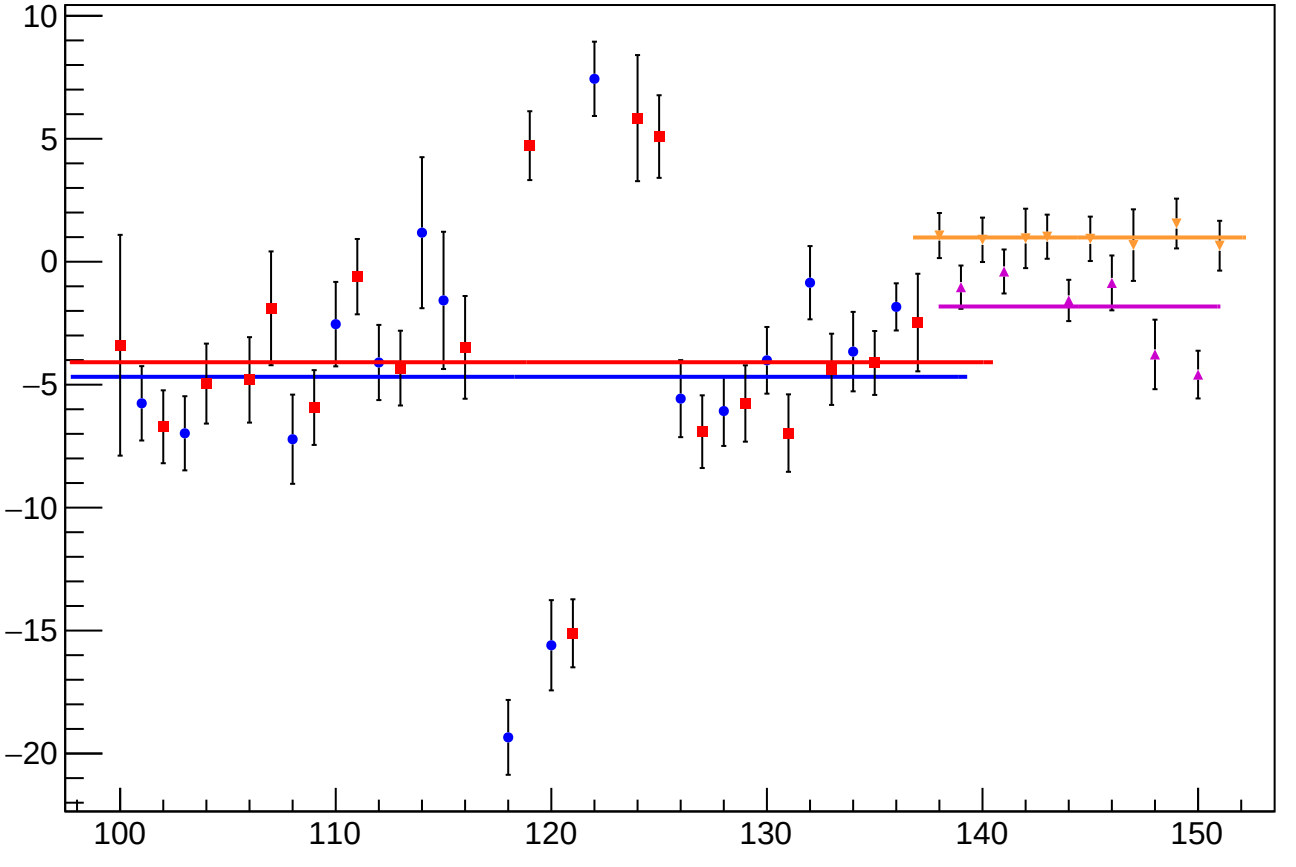
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10113.623+/-2.048 χ^2/NDF:419438.2/21

Out: 9890.537+/-1.911 χ^2/NDF:462627.3/26

All: 9994.332+/-1.397 χ^2/NDF: 888408.1/48

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.986+/-0.354 χ^2/NDF:0.5/7

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.821+/-0.398 χ^2/NDF:14.2/5

Left: -0.254+/-0.264 χ^2/NDF: 42.5/13

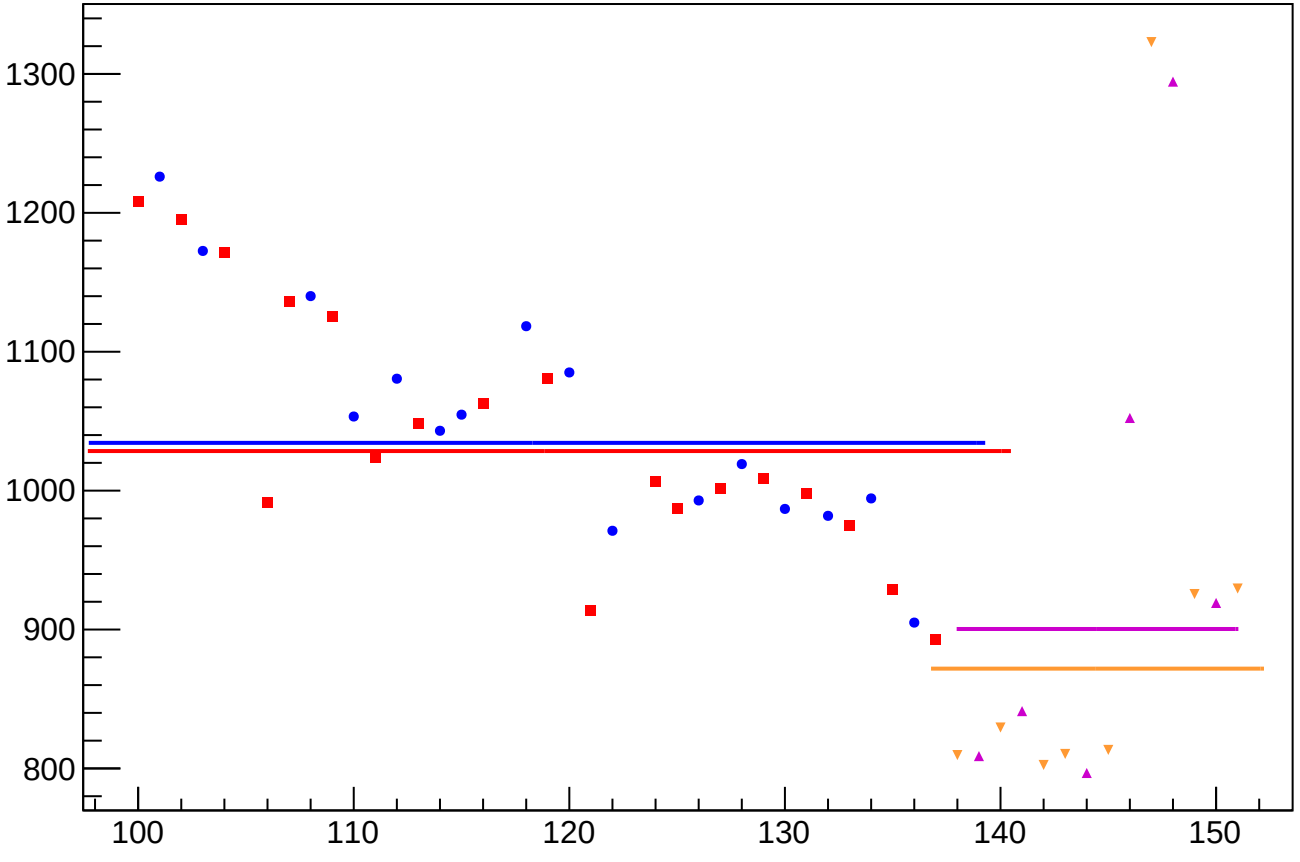
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.294+/-0.277 χ^2/NDF:262.0/21

Out: -1.393+/-0.258 χ^2/NDF:265.0/26

All: -2.276+/-0.189 χ^2/NDF: 552.3/48

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 871.855+/-0.250 χ^2/NDF:242234.7/7

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 900.396+/-0.281 χ^2/NDF:254228.6/5

Left: 884.467+/-0.187 χ^2/NDF: 502216.6/13

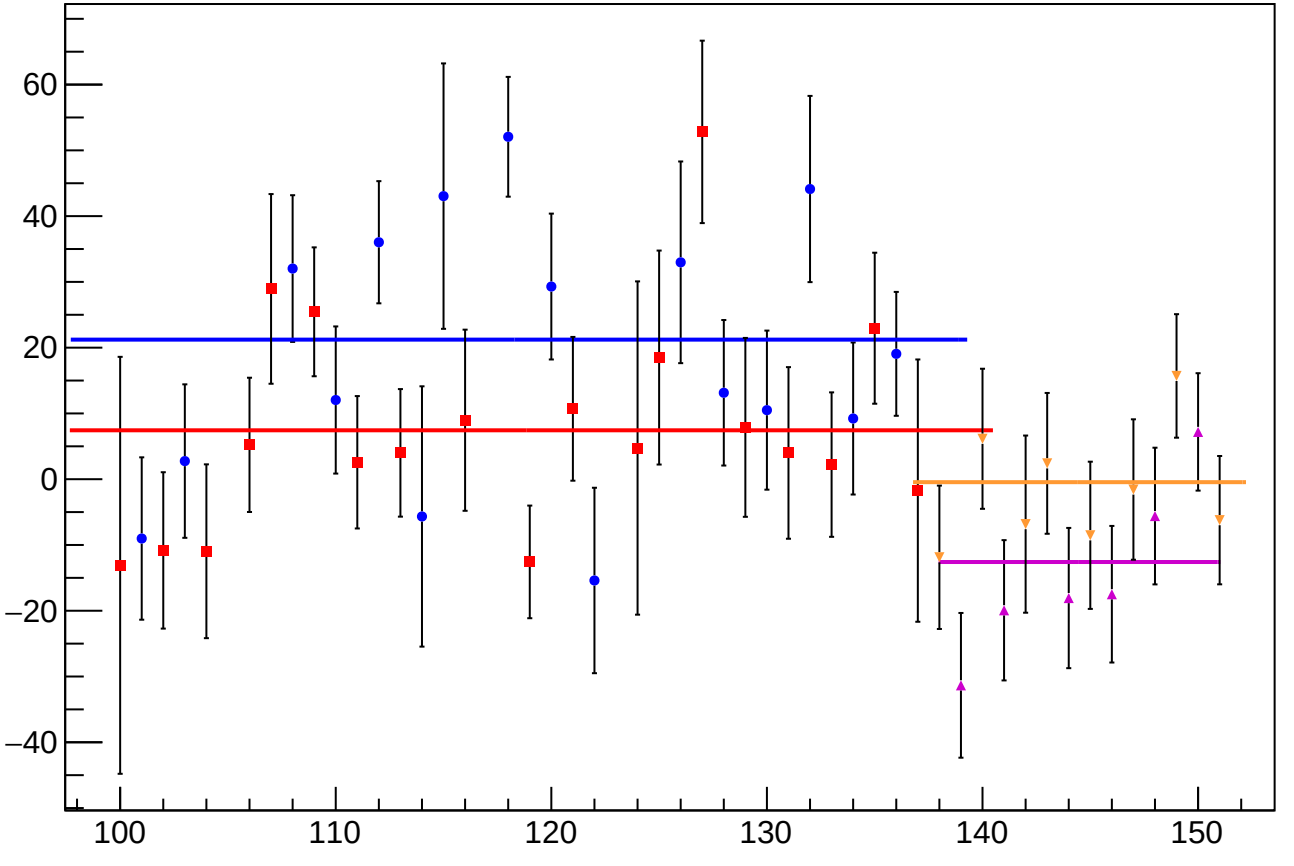
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 969.409+/-0.196 χ^2/NDF:484549.3/21

Out: 945.323+/-0.182 χ^2/NDF:527803.8/26

All: 956.507+/-0.133 χ^2/NDF: 1020462.1/48

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -0.451+/-3.778 χ^2/NDF:5.6/7

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -12.591+/-4.191 χ^2/NDF:9.2/5

Left: -5.892+/-2.806 χ^2/NDF: 19.5/13

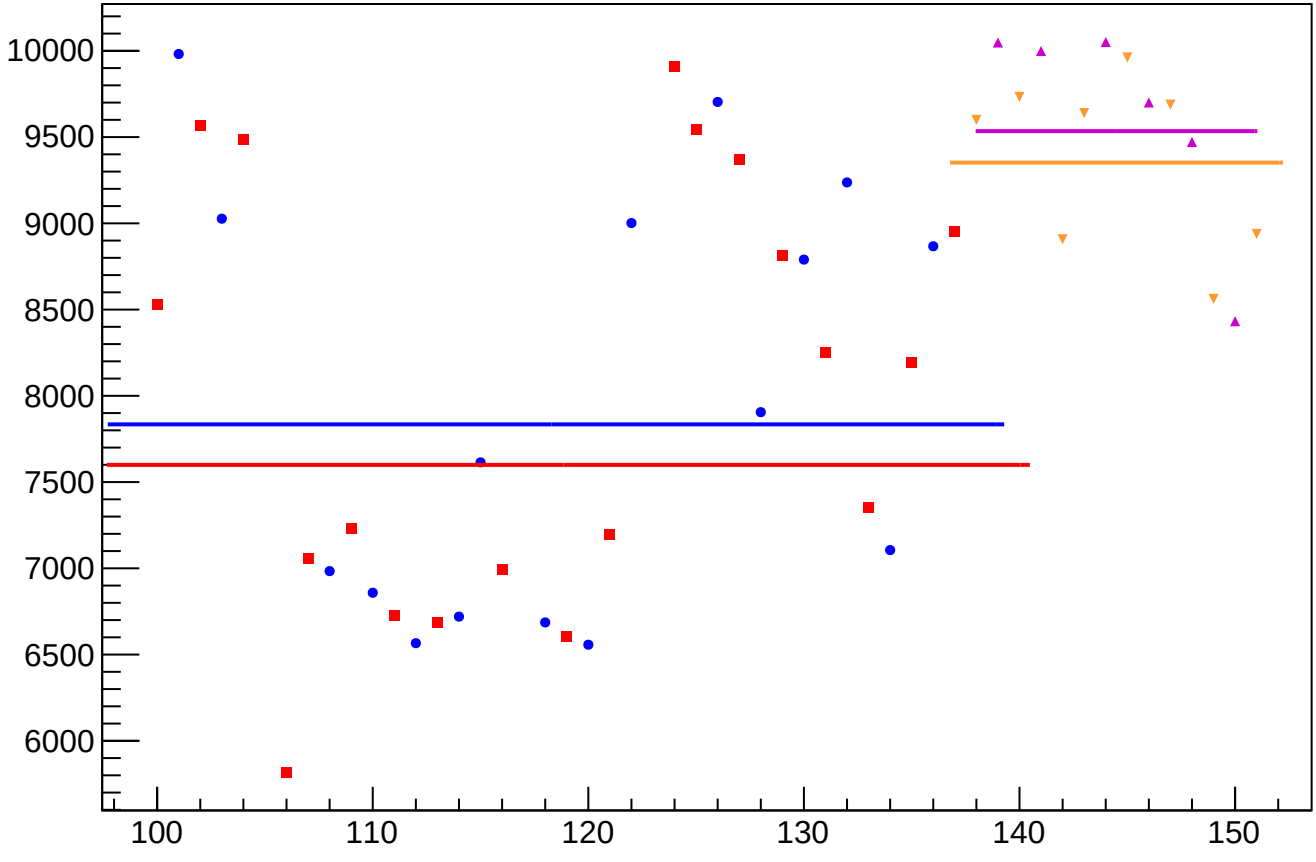
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 10.011+/-2.413 χ^2/NDF:92.8/21

Out: 4.626+/-2.255 χ^2/NDF:38.2/26

All: 7.135+/-1.648 χ^2/NDF: 133.7/48

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9352.083+/-2.671 χ^2/NDF:32874.7/7

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 9534.681+/-2.964 χ^2/NDF:43922.3/5

Left: 9433.932+/-1.984 χ^2/NDF: 78891.7/13

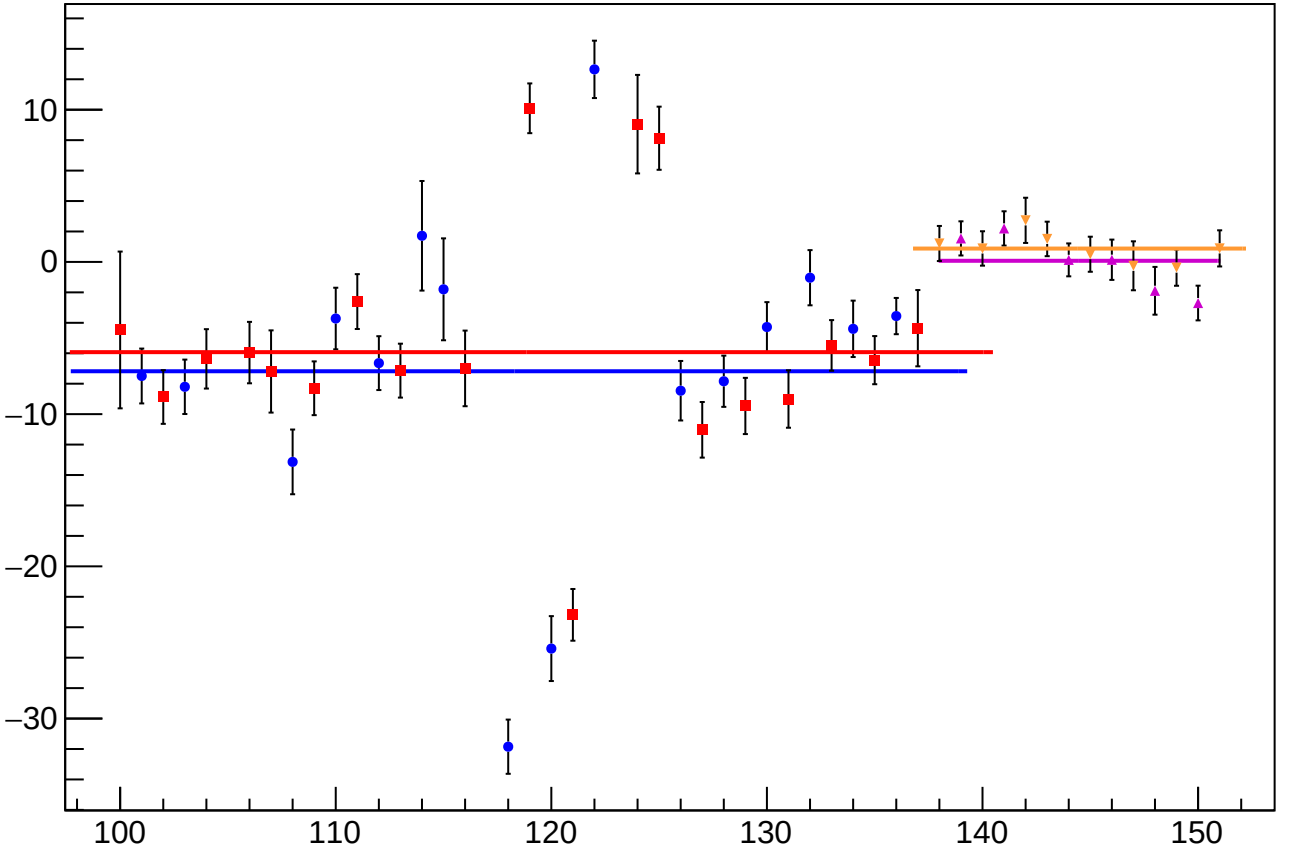
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8398.318+/-1.706 χ^2/NDF:581985.1/21

Out: 8224.066+/-1.594 χ^2/NDF:654213.6/26

All: 8305.281+/-1.165 χ^2/NDF: 1241766.0/48

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.878+/-0.434 χ^2/NDF:3.7/7

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.074+/-0.489 χ^2/NDF:12.8/5

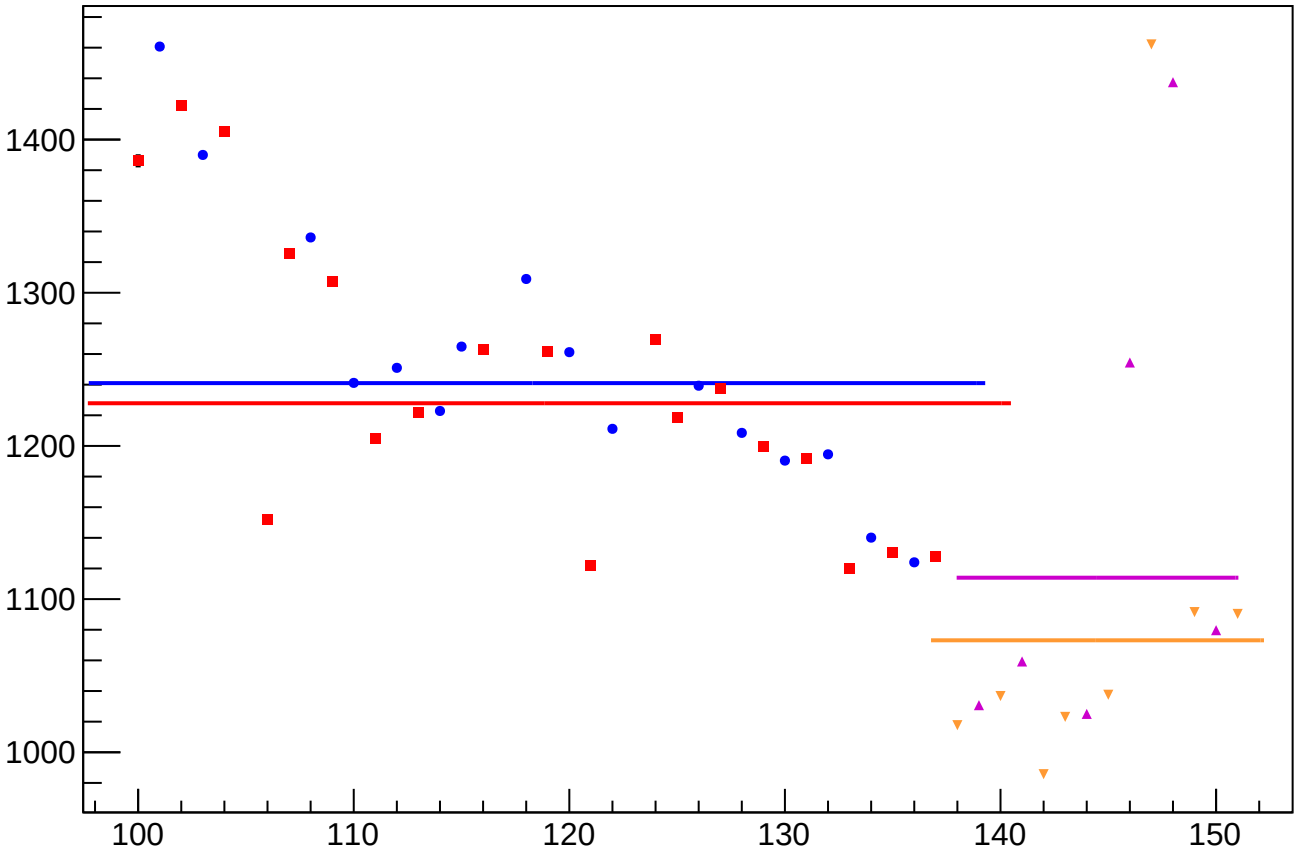
Left: 0.524+/-0.324 χ^2/NDF: 18.0/13

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -3.756+/-0.336 χ^2/NDF:551.4/21

Out: -2.404+/-0.312 χ^2/NDF:412.9/26

All: -3.030+/-0.229 χ^2/NDF: 972.9/48



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1073.104+/-0.307 χ^2/NDF:137365.6/7

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1113.977+/-0.346 χ^2/NDF:138607.2/5

Left: 1091.098+/-0.229 χ^2/NDF: 283797.9/13

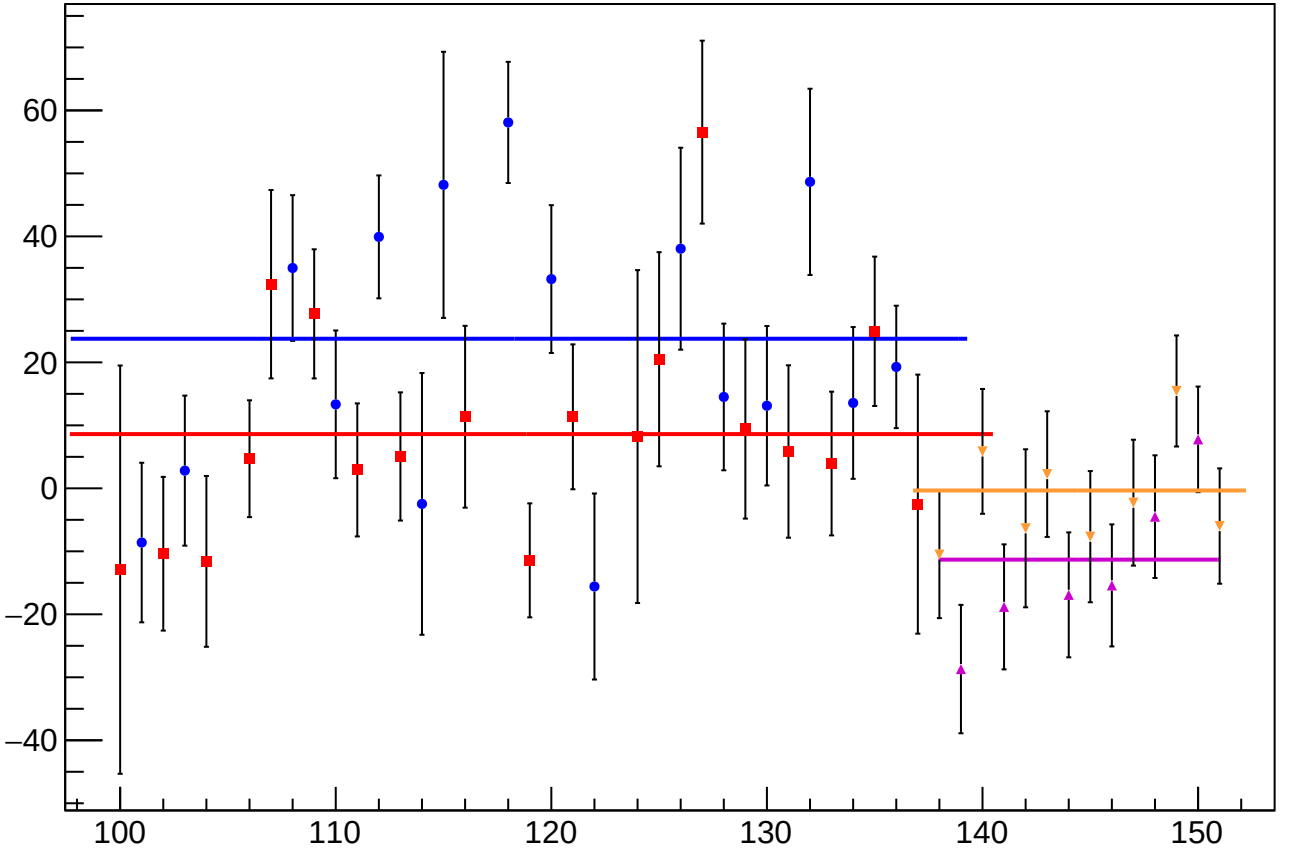
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1181.034+/-0.238 χ^2/NDF:290543.8/21

Out: 1147.751+/-0.221 χ^2/NDF:342615.6/26

All: 1163.163+/-0.162 χ^2/NDF: 643702.1/48

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -0.340+/-3.526 χ^2/NDF:5.8/7

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -11.321+/-3.911 χ^2/NDF:9.7/5

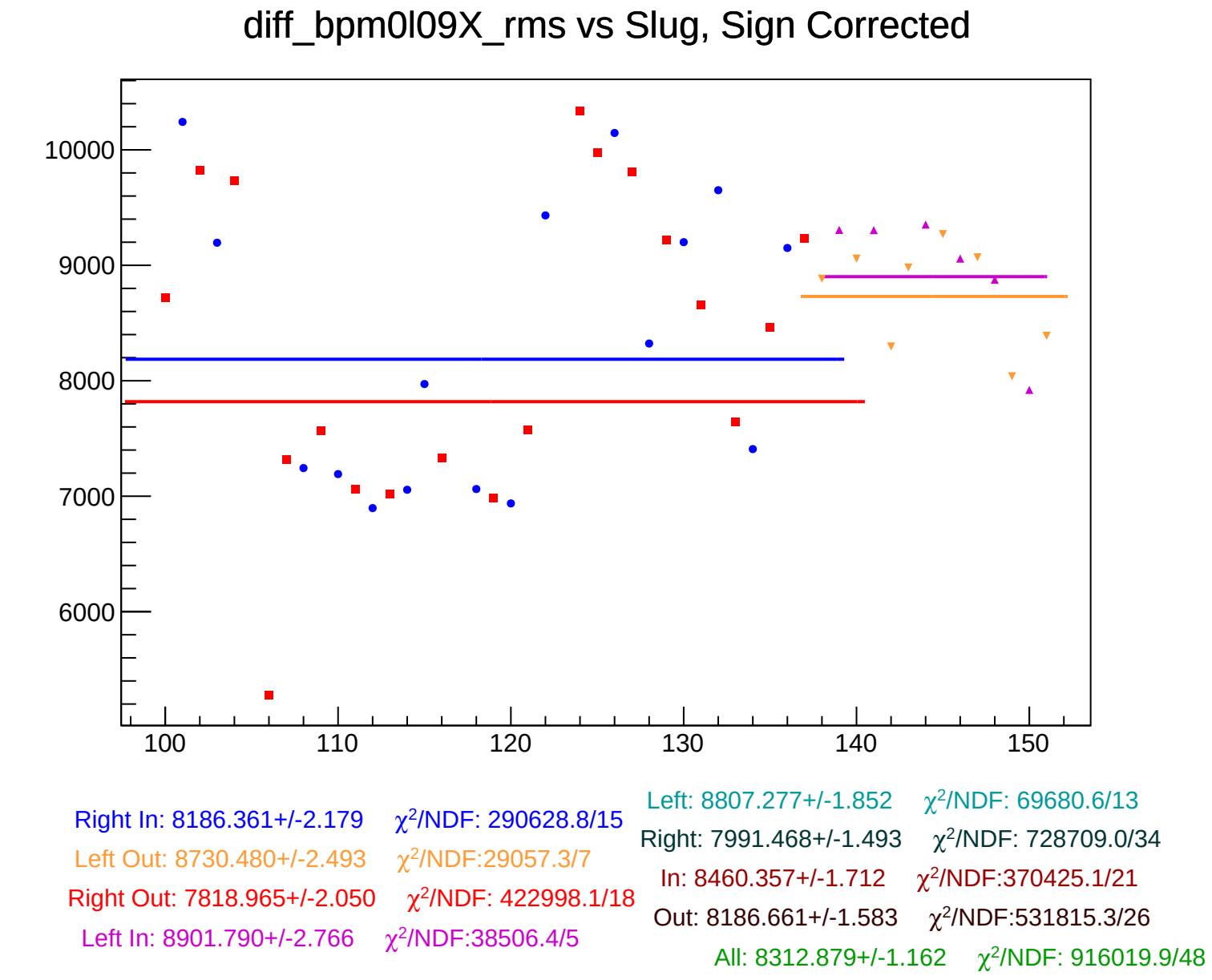
Left: -5.263+/-2.619 χ^2/NDF: 19.8/13

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

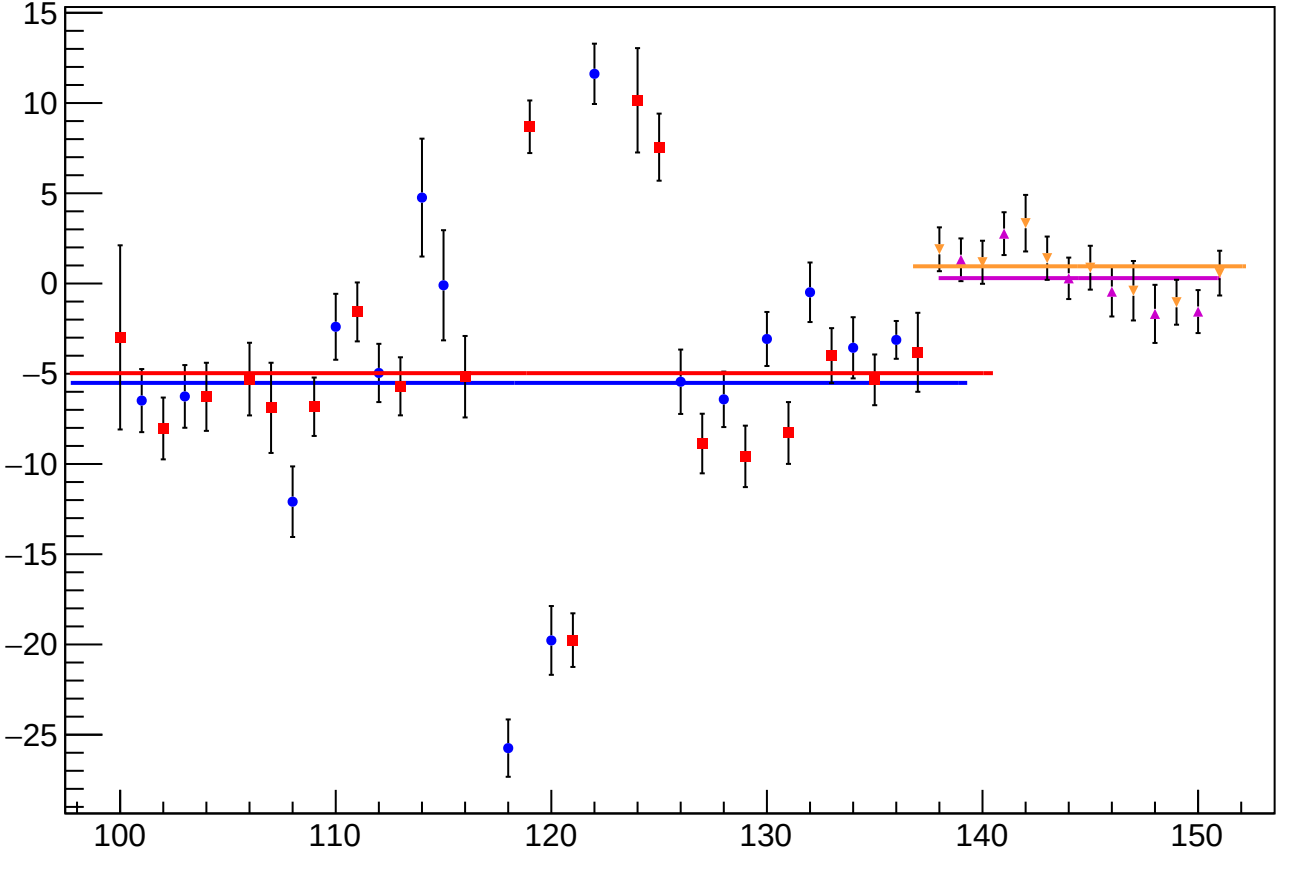
In: 10.318+/-2.420 χ^2/NDF:102.7/21

Out: 4.999+/-2.239 χ^2/NDF:40.1/26

All: 7.452+/-1.644 χ^2/NDF: 145.4/48


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8730.480+/-2.493 χ²/NDF:29057.3/7
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8901.790+/-2.766 χ²/NDF:38506.4/5
Left: 8807.277+/-1.852 χ²/NDF: 69680.6/13
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8460.357+/-1.712 χ²/NDF:370425.1/21
Out: 8186.661+/-1.583 χ²/NDF:531815.3/26
All: 8312.879+/-1.162 χ²/NDF: 916019.9/48

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.953+/-0.455 χ^2/NDF:6.4/7

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.299+/-0.513 χ^2/NDF:9.3/5

Left: 0.665+/-0.340 χ^2/NDF: 16.6/13

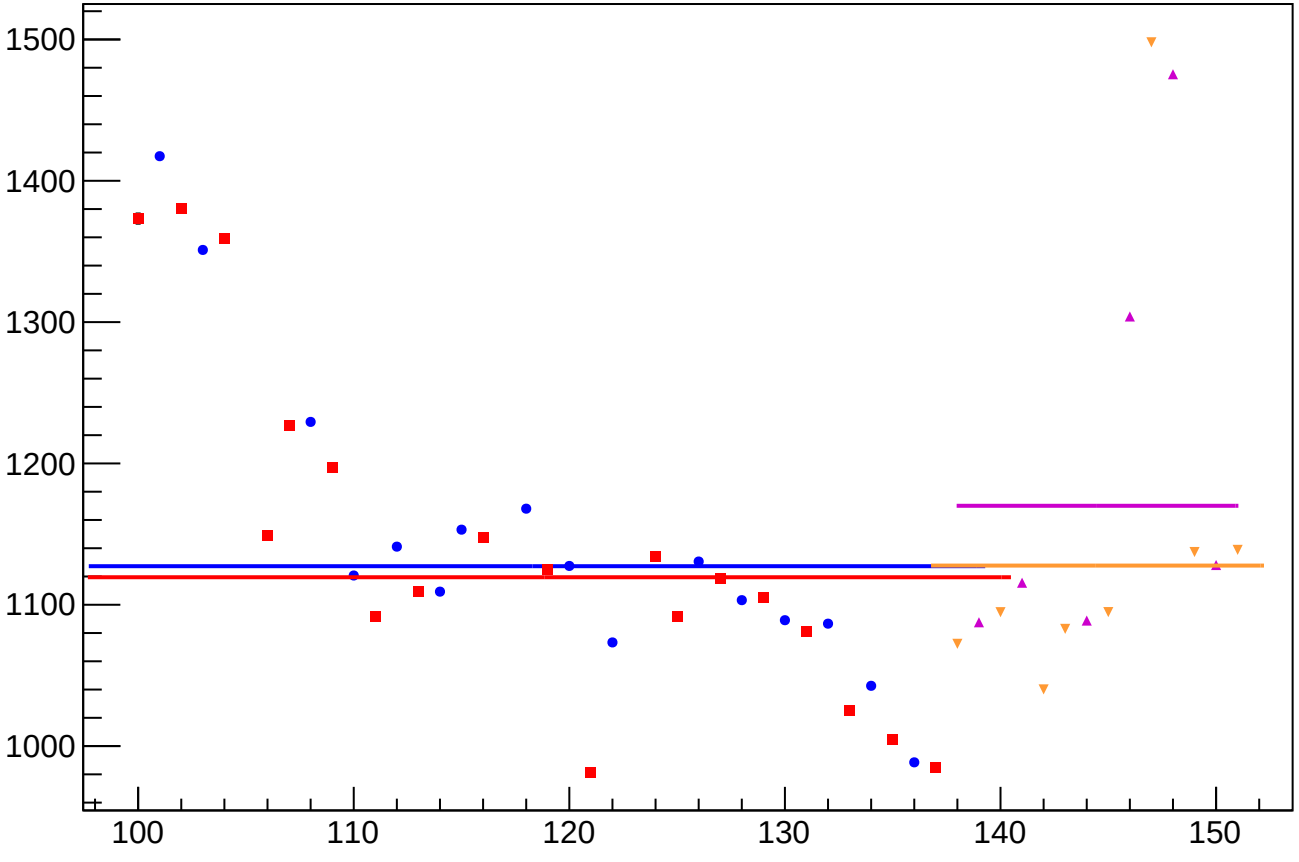
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -3.170+/-0.325 χ^2/NDF:455.6/21

Out: -2.313+/-0.305 χ^2/NDF:387.1/26

All: -2.714+/-0.222 χ^2/NDF: 846.4/48

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1127.728+/-0.322 χ^2/NDF:117497.4/7

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1170.036+/-0.363 χ^2/NDF:117309.1/5

Left: 1146.372+/-0.241 χ^2/NDF: 242418.5/13

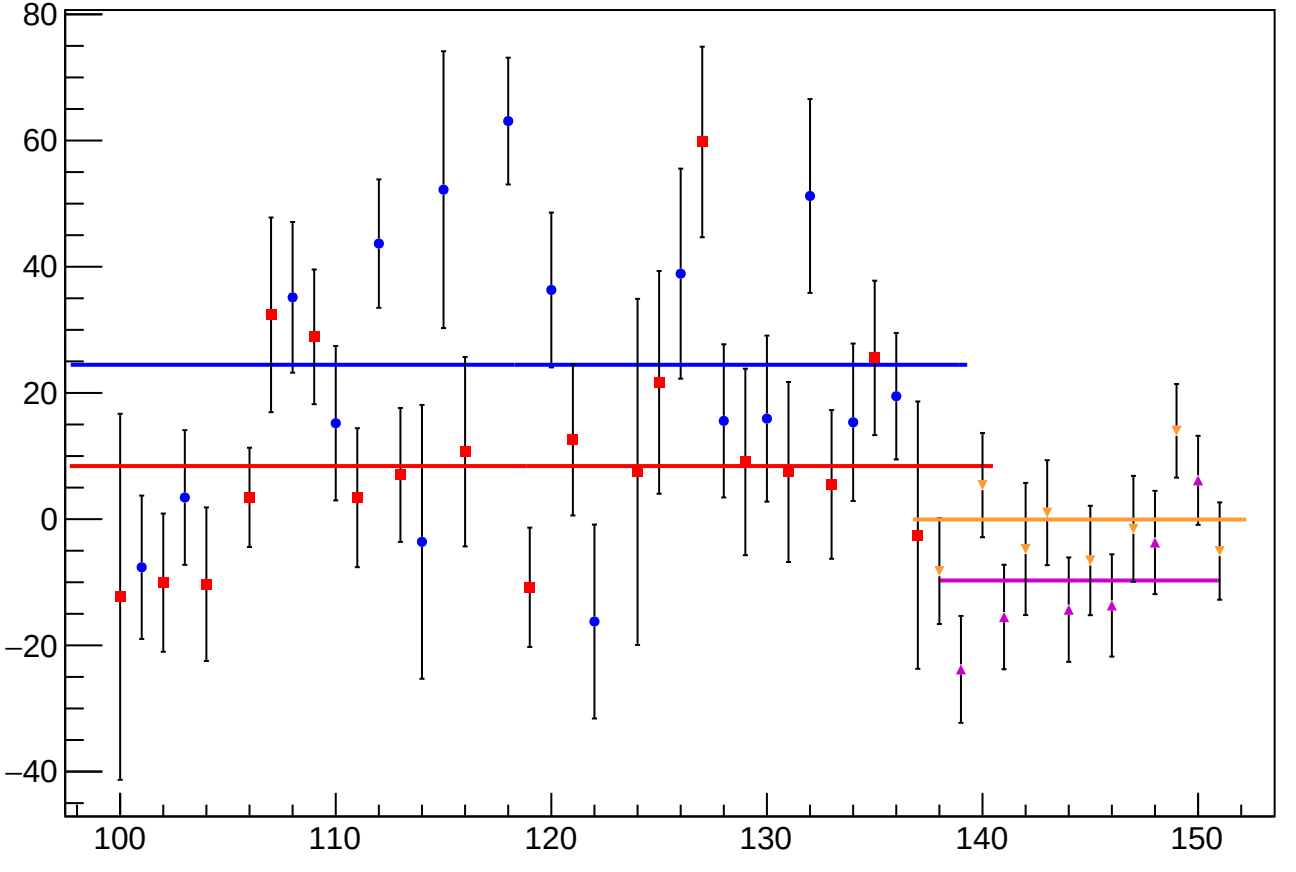
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1144.491+/-0.230 χ^2/NDF:266227.2/21

Out: 1123.173+/-0.216 χ^2/NDF:258596.2/26

All: 1133.138+/-0.157 χ^2/NDF: 529396.4/48

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -0.054+/-2.949 χ^2/NDF:6.2/7

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -9.720+/-3.273 χ^2/NDF:9.4/5

Left: -4.386+/-2.191 χ^2/NDF: 20.4/13

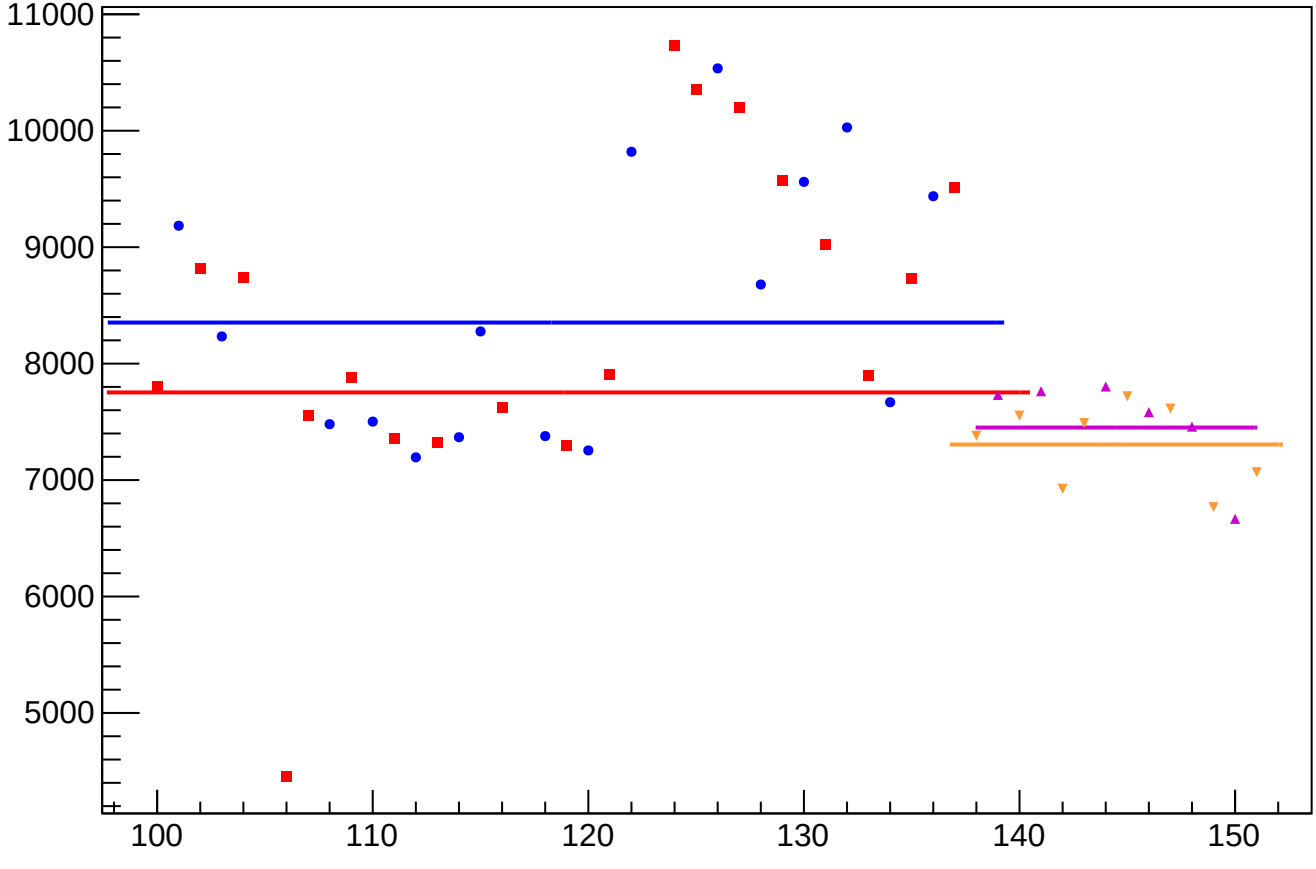
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 8.098+/-2.264 χ^2/NDF:114.6/21

Out: 4.264+/-2.065 χ^2/NDF:41.5/26

All: 6.005+/-1.526 χ^2/NDF: 157.7/48

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7305.341+/-2.086 χ^2/NDF:25284.2/7

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7451.040+/-2.314 χ^2/NDF:33862.6/5

Left: 7370.645+/-1.549 χ^2/NDF: 61334.3/13

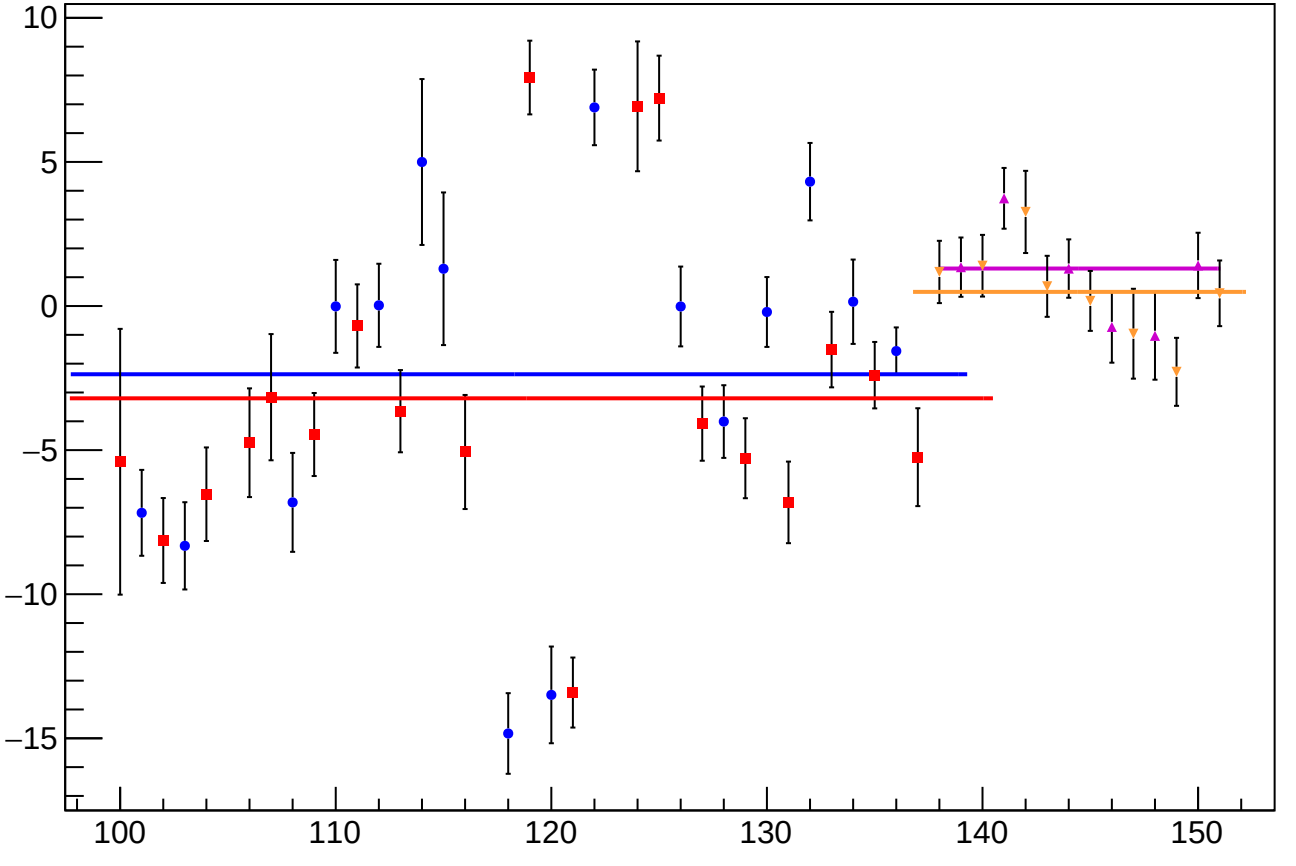
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7921.077+/-1.601 χ^2/NDF:333428.9/21

Out: 7533.484+/-1.460 χ^2/NDF:636820.2/26

All: 7709.438+/-1.079 χ^2/NDF: 1002249.0/48

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.491+/-0.410 χ^2/NDF:11.4/7

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.301+/-0.462 χ^2/NDF:10.4/5

Left: 0.848+/-0.307 χ^2/NDF: 23.5/13

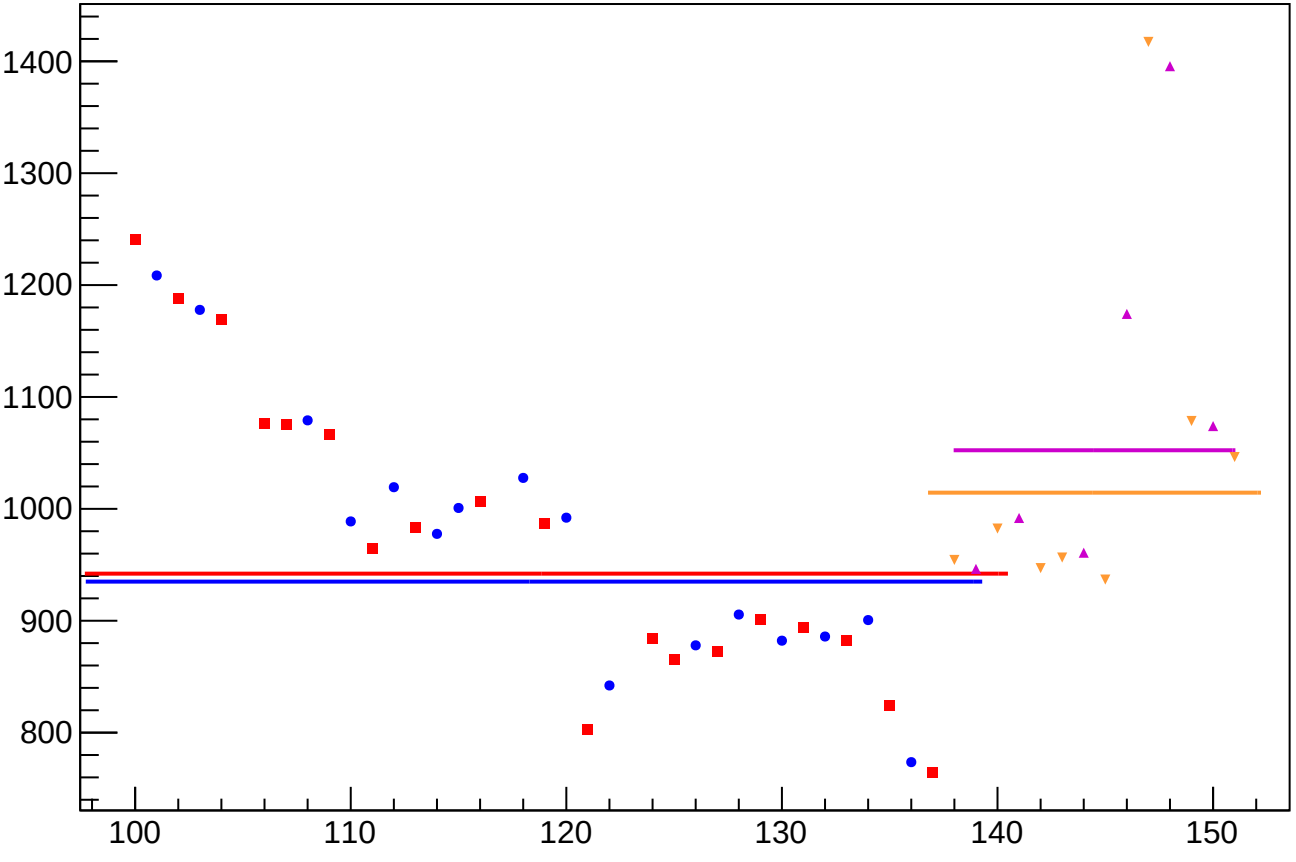
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -1.029+/-0.279 χ^2/NDF:305.9/21

Out: -1.666+/-0.265 χ^2/NDF:309.3/26

All: -1.365+/-0.192 χ^2/NDF: 617.9/48

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1014.478+/-0.290 χ^2/NDF:170604.7/7

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1052.370+/-0.327 χ^2/NDF:165715.7/5

Left: 1031.170+/-0.217 χ^2/NDF: 343832.0/13

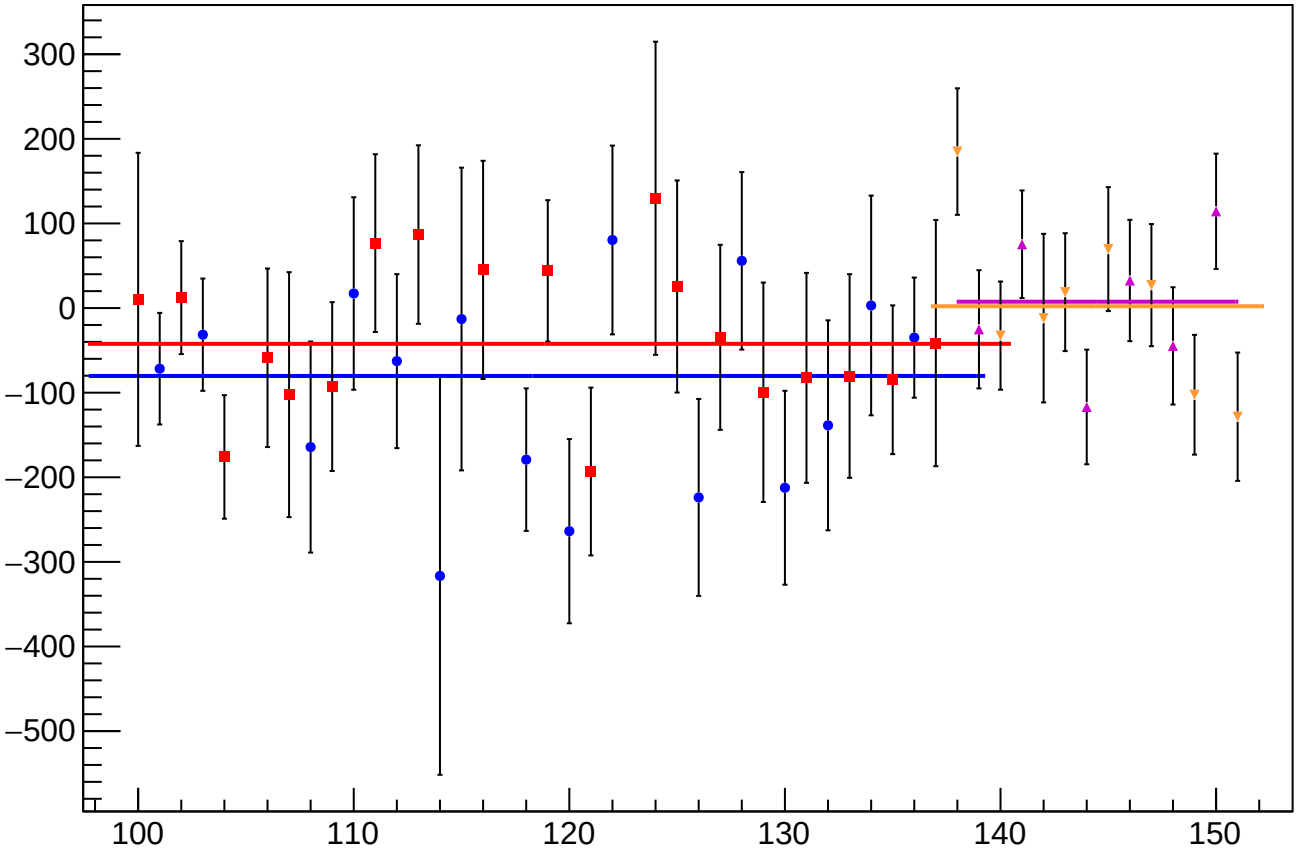
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 977.796+/-0.198 χ^2/NDF:501942.6/21

Out: 972.209+/-0.187 χ^2/NDF:439395.6/26

All: 974.853+/-0.136 χ^2/NDF: 941759.8/48

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 2.150+/-25.970 χ^2/NDF:12.5/7

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 7.524+/-27.859 χ^2/NDF:7.9/5

Left: 4.649+/-18.996 χ^2/NDF: 20.4/13

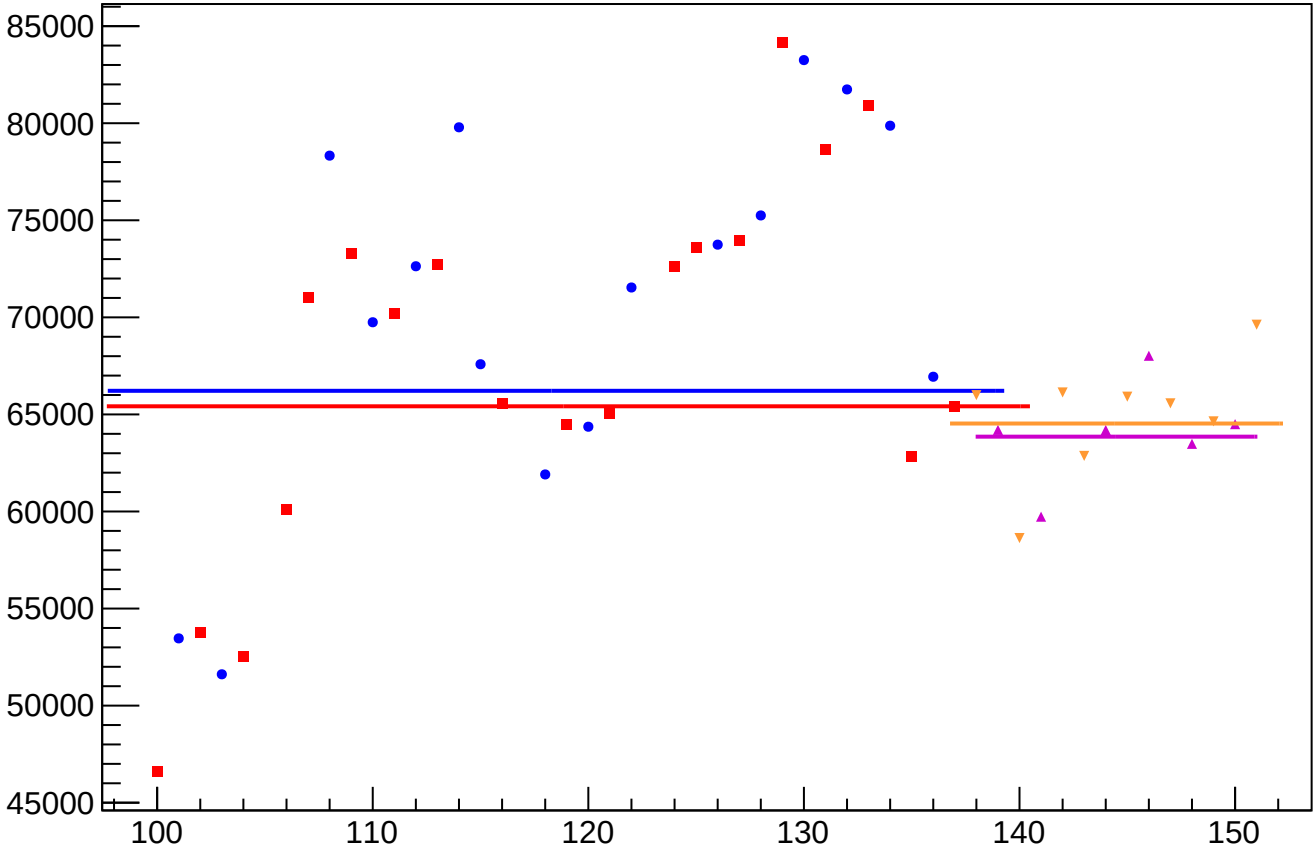
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -41.255+/-18.569 χ^2/NDF:28.2/21

Out: -21.673+/-17.683 χ^2/NDF:27.0/26

All: -30.985+/-12.806 χ^2/NDF: 55.8/48

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 64531.106+/-18.364 χ^2/NDF:29620.3/7

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 63854.427+/-19.699 χ^2/NDF:15501.1/5

Left: 64216.483+/-13.432 χ^2/NDF: 45752.7/13

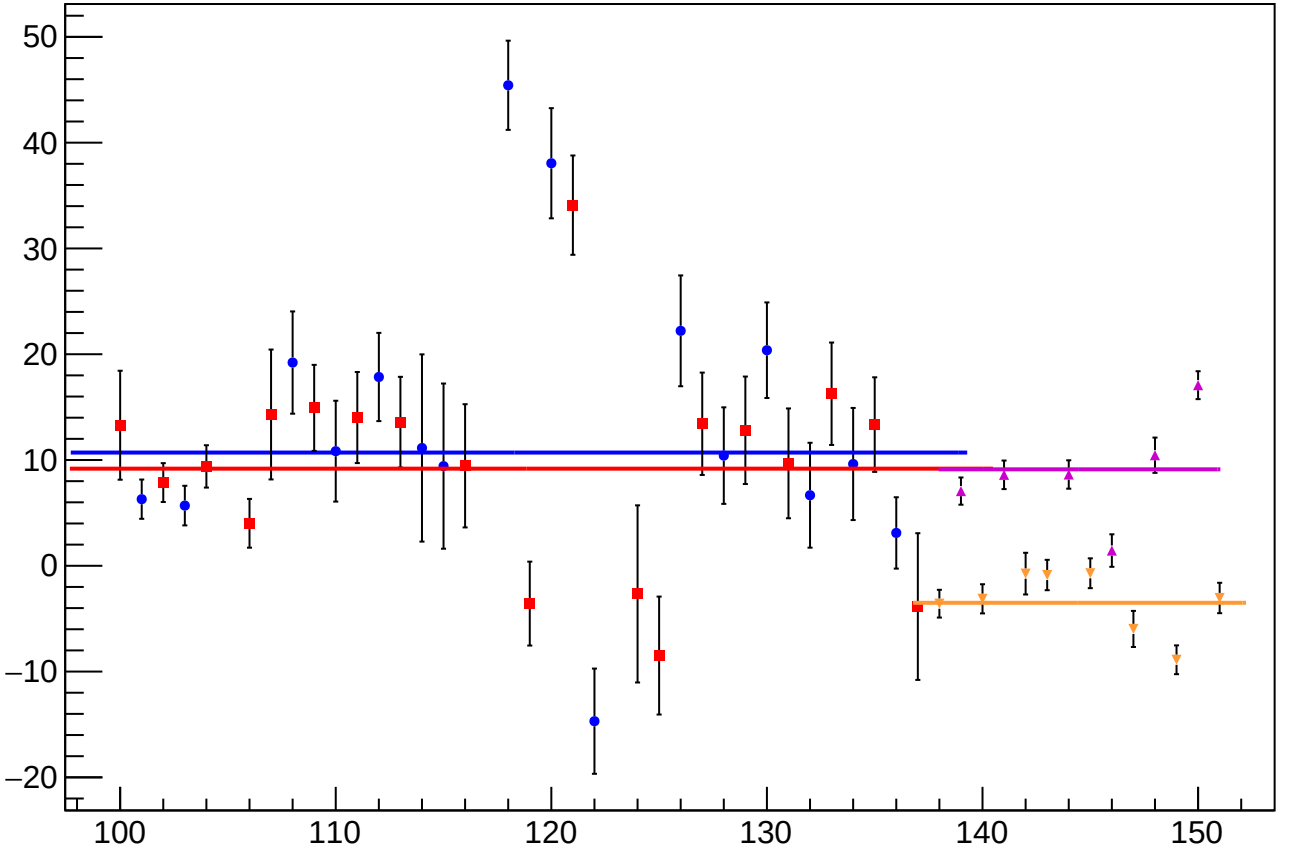
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65166.893+/-13.130 χ^2/NDF:361866.1/21

Out: 65007.102+/-12.504 χ^2/NDF:335428.8/26

All: 65083.095+/-9.055 χ^2/NDF: 697372.6/48

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.498+/-0.519 χ^2/NDF:27.2/7

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 9.120+/-0.571 χ^2/NDF:64.8/5

Left: 2.203+/-0.384 χ^2/NDF: 359.5/13

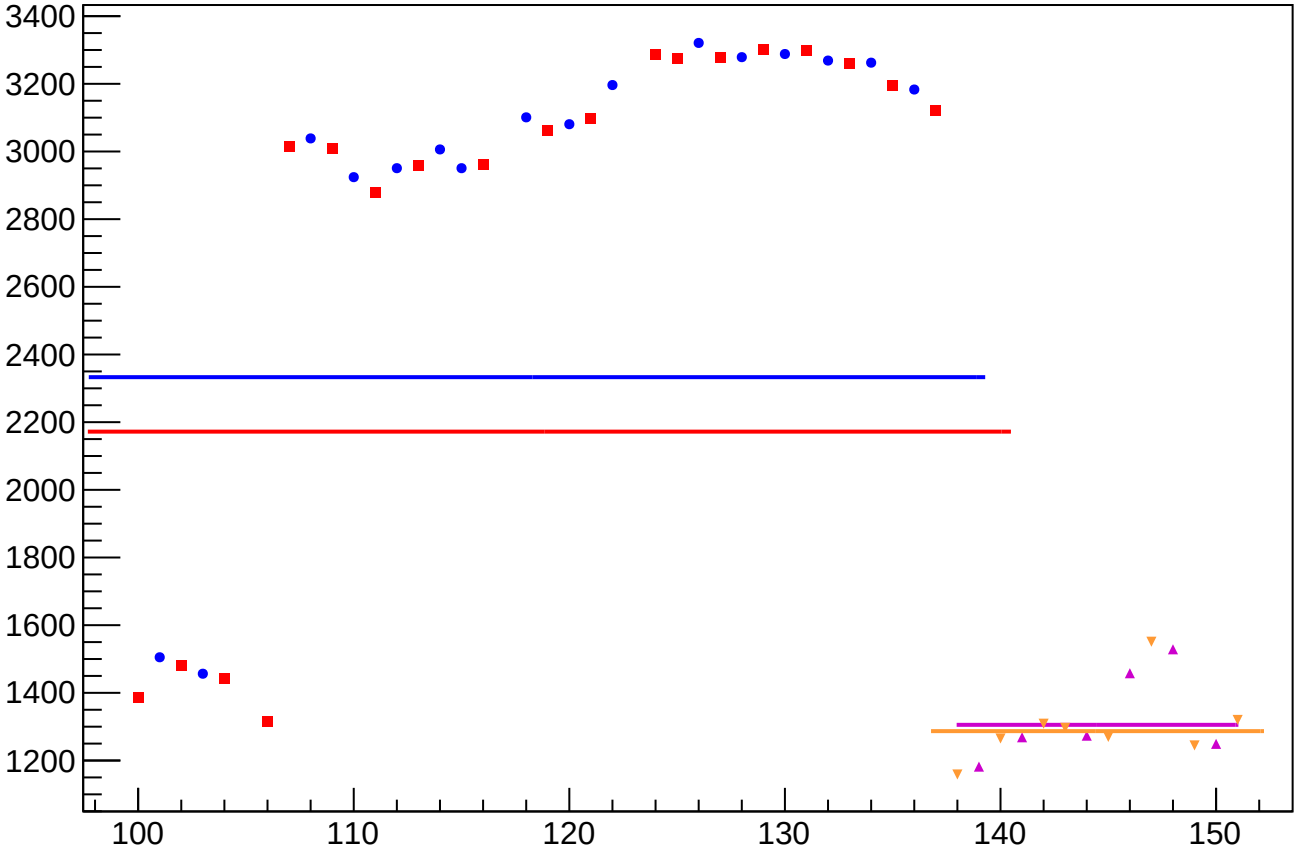
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 9.560+/-0.485 χ^2/NDF:222.5/21

Out: -0.060+/-0.443 χ^2/NDF:258.9/26

All: 4.309+/-0.327 χ^2/NDF: 695.8/48

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1286.832+/-0.367 χ^2/NDF:71151.1/7

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1305.465+/-0.404 χ^2/NDF:80182.4/5

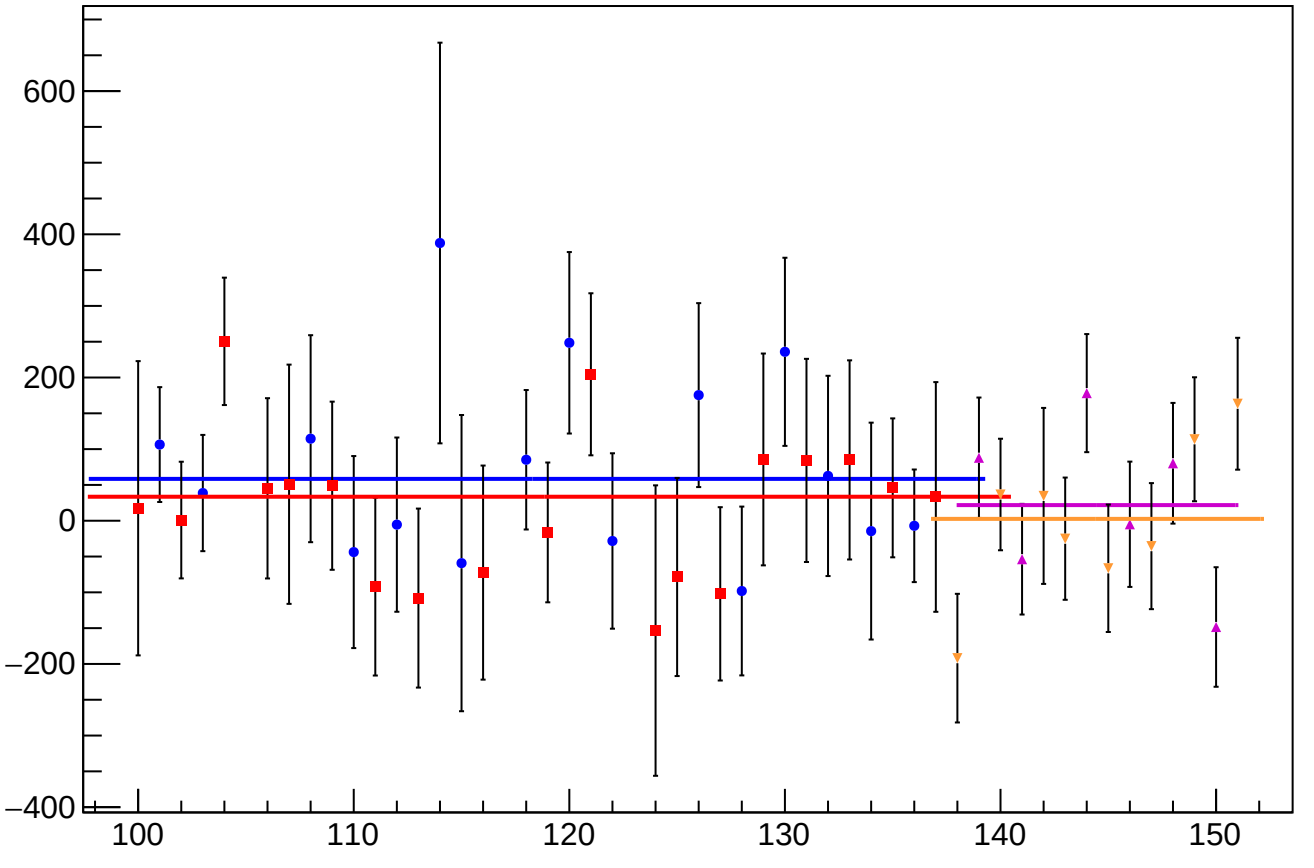
Left: 1295.251+/-0.271 χ^2/NDF: 152500.2/13

Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1591.094+/-0.343 χ^2/NDF:3530884.3/21

Out: 1526.857+/-0.313 χ^2/NDF:3635813.0/26

All: 1556.029+/-0.231 χ^2/NDF: 7185822.2/48



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: 2.598+/-31.637 χ^2/NDF:10.5/7

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 21.827+/-33.886 χ^2/NDF:9.9/5

Left: 11.553+/-23.125 χ^2/NDF: 20.6/13

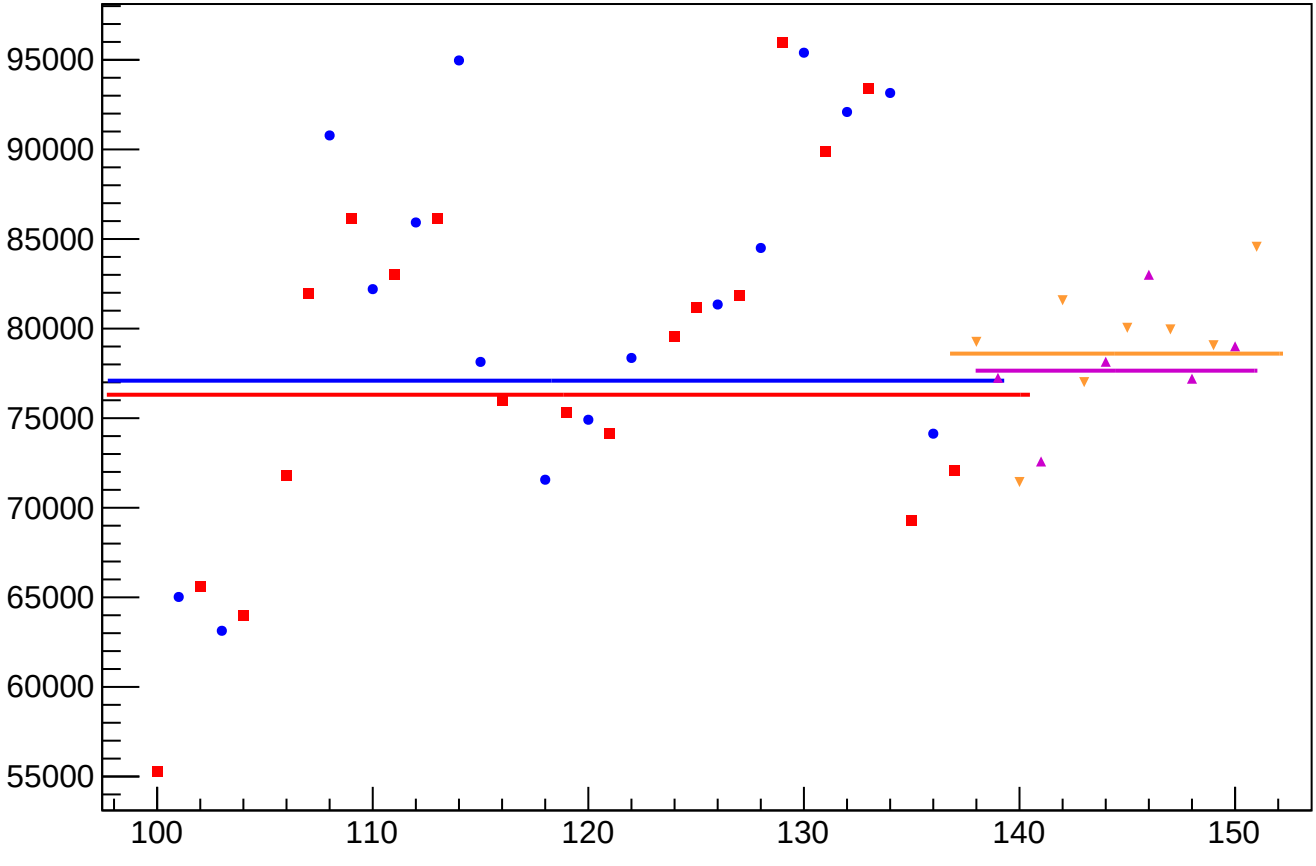
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 43.015+/-21.997 χ^2/NDF:21.9/21

Out: 19.881+/-21.012 χ^2/NDF:25.7/26

All: 30.918+/-15.194 χ^2/NDF: 48.2/48

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 78603.659+/-22.371 χ^2/NDF:28356.8/7

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 77651.684+/-23.961 χ^2/NDF:16791.9/5

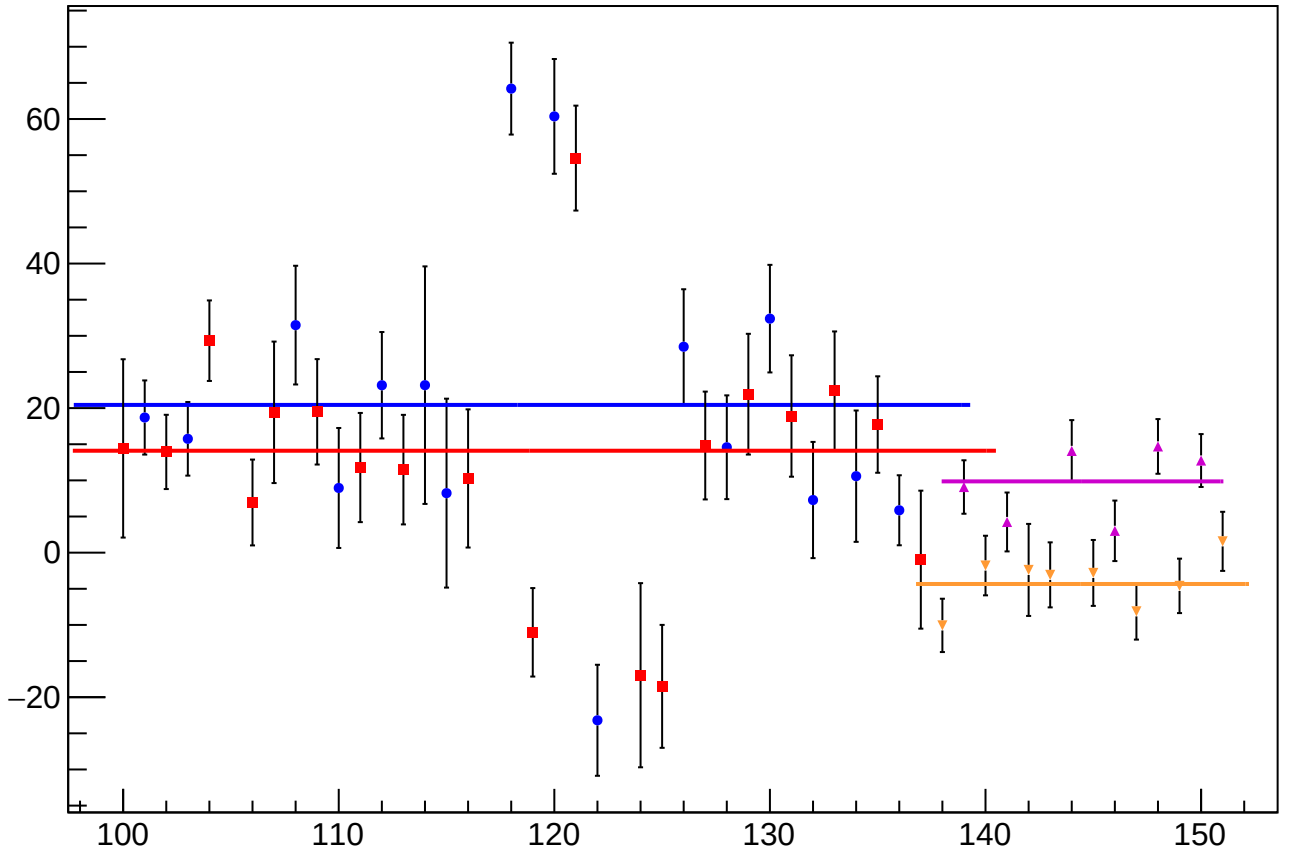
Left: 78160.299+/-16.352 χ^2/NDF: 45992.1/13

Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 77328.494+/-15.554 χ^2/NDF:265649.1/21

Out: 77320.991+/-14.858 χ^2/NDF:268671.9/26

All: 77324.571+/-10.744 χ^2/NDF: 534321.1/4



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.335+/-1.490 χ^2/NDF:6.1/7

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 9.861+/-1.601 χ^2/NDF:7.8/5

Left: 2.254+/-1.091 χ^2/NDF: 56.1/13

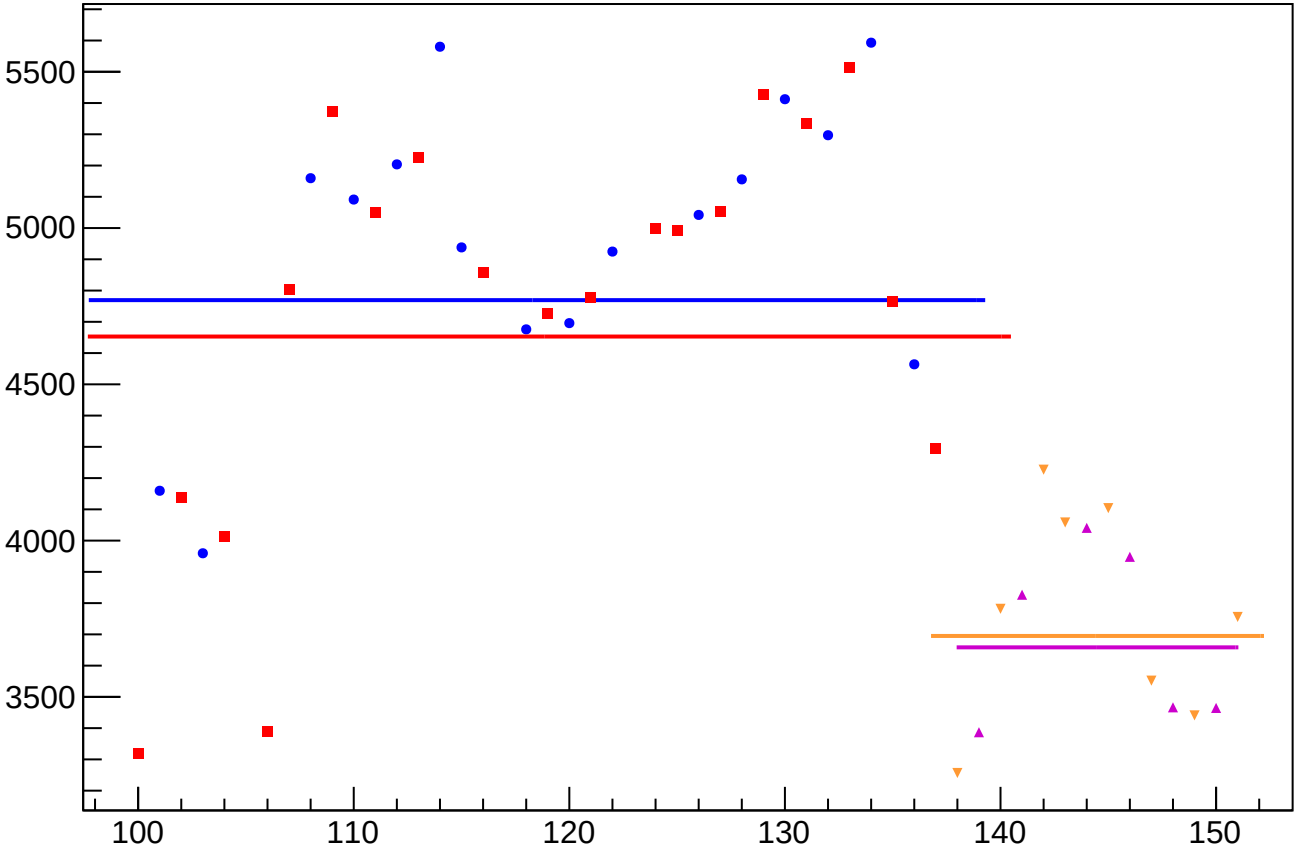
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 14.588+/-1.191 χ^2/NDF:155.2/21

Out: 3.605+/-1.125 χ^2/NDF:155.8/26

All: 8.781+/-0.818 χ^2/NDF: 355.9/48

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3694.950+/-1.054 χ^2/NDF:84414.6/7

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3658.469+/-1.132 χ^2/NDF:50622.3/5

Left: 3678.017+/-0.771 χ^2/NDF: 135593.2/13

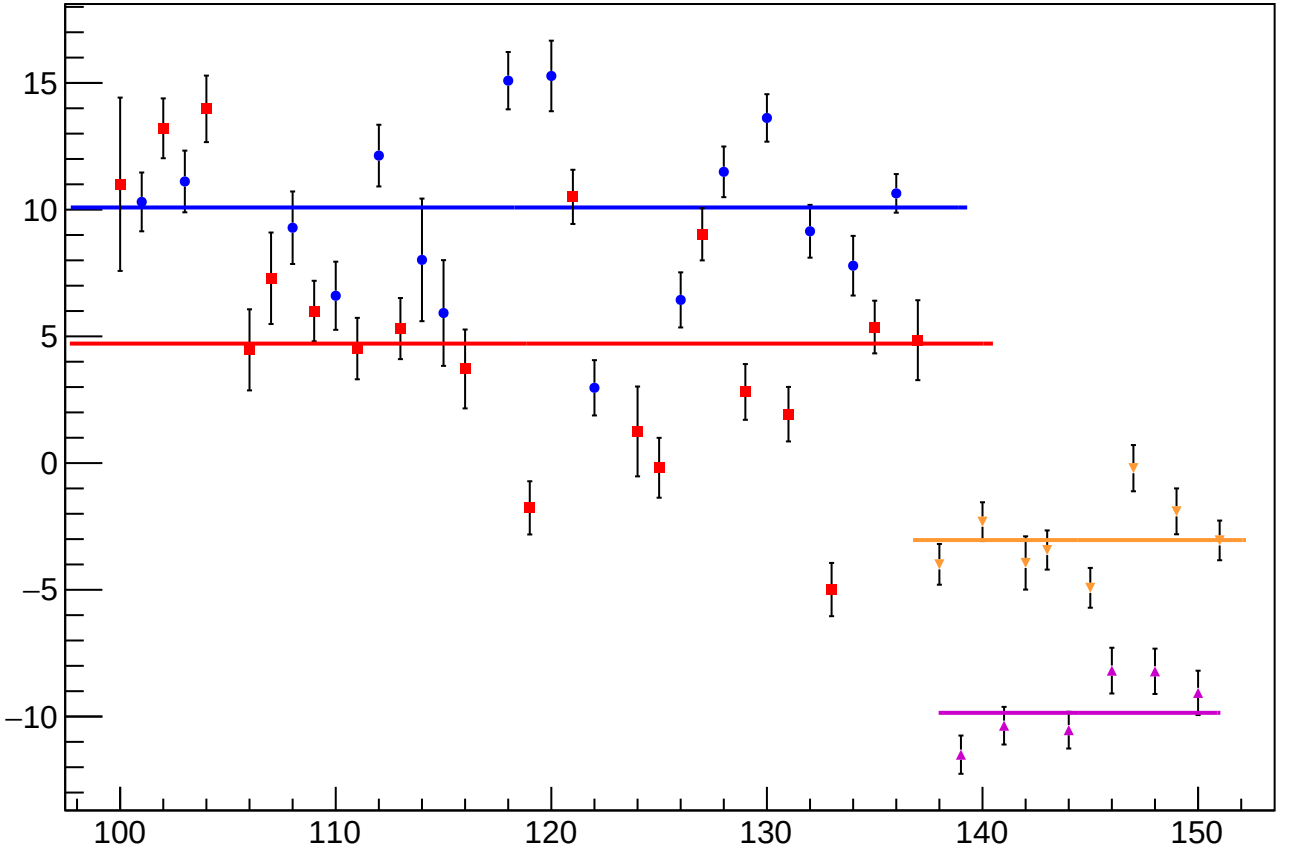
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4154.781+/-0.842 χ^2/NDF:632331.3/21

Out: 4107.532+/-0.795 χ^2/NDF:705395.5/26

All: 4129.800+/-0.578 χ^2/NDF: 1339390.8/48

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.037+/-0.295 χ^2/NDF:20.3/7

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -9.854+/-0.329 χ^2/NDF:13.7/5

Left: -6.077+/-0.219 χ^2/NDF: 272.3/13

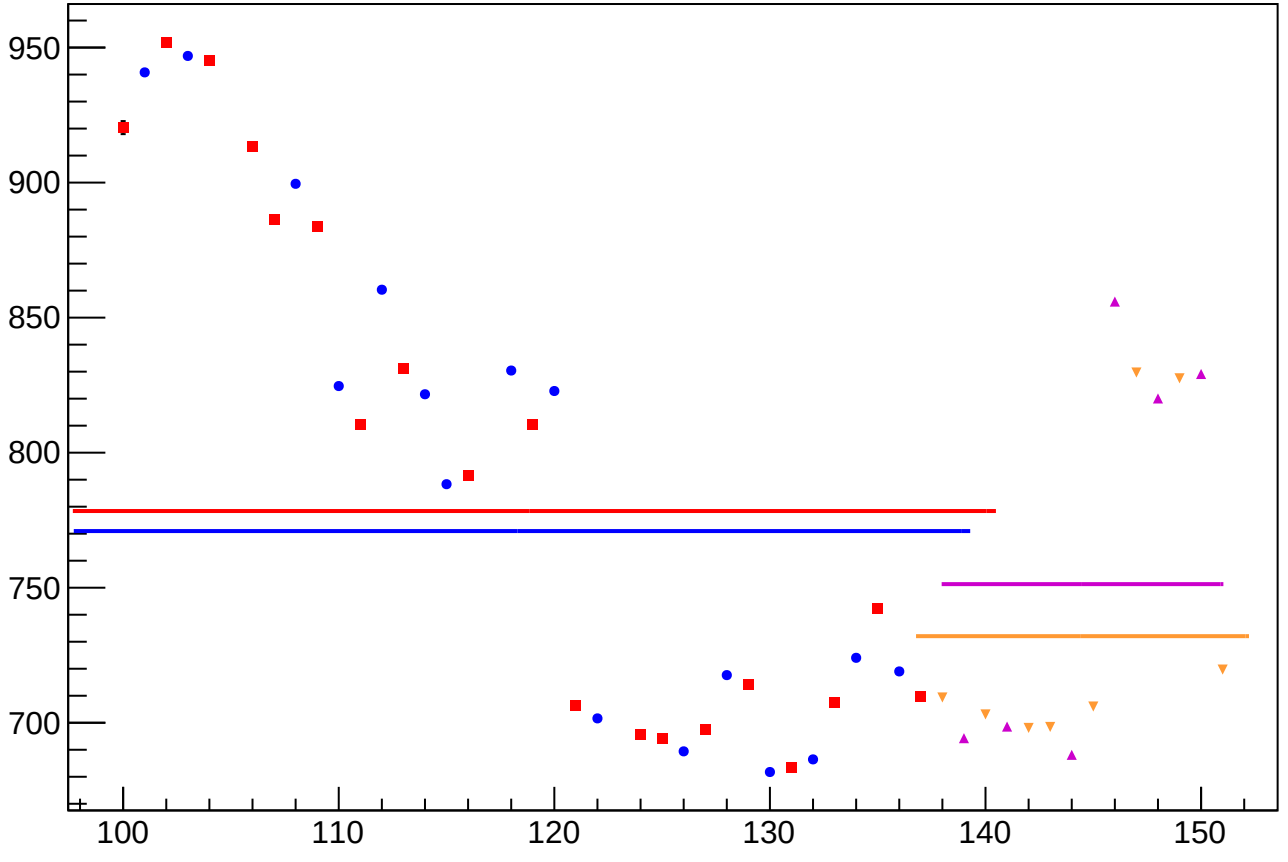
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.414+/-0.217 χ^2/NDF:2217.2/21

Out: 0.960+/-0.205 χ^2/NDF:687.0/26

All: 1.175+/-0.149 χ^2/NDF: 2906.5/48

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 732.057+/-0.208 χ^2/NDF:58177.7/7

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 751.328+/-0.232 χ^2/NDF:91213.9/5

Left: 740.649+/-0.155 χ^2/NDF: 153200.6/13

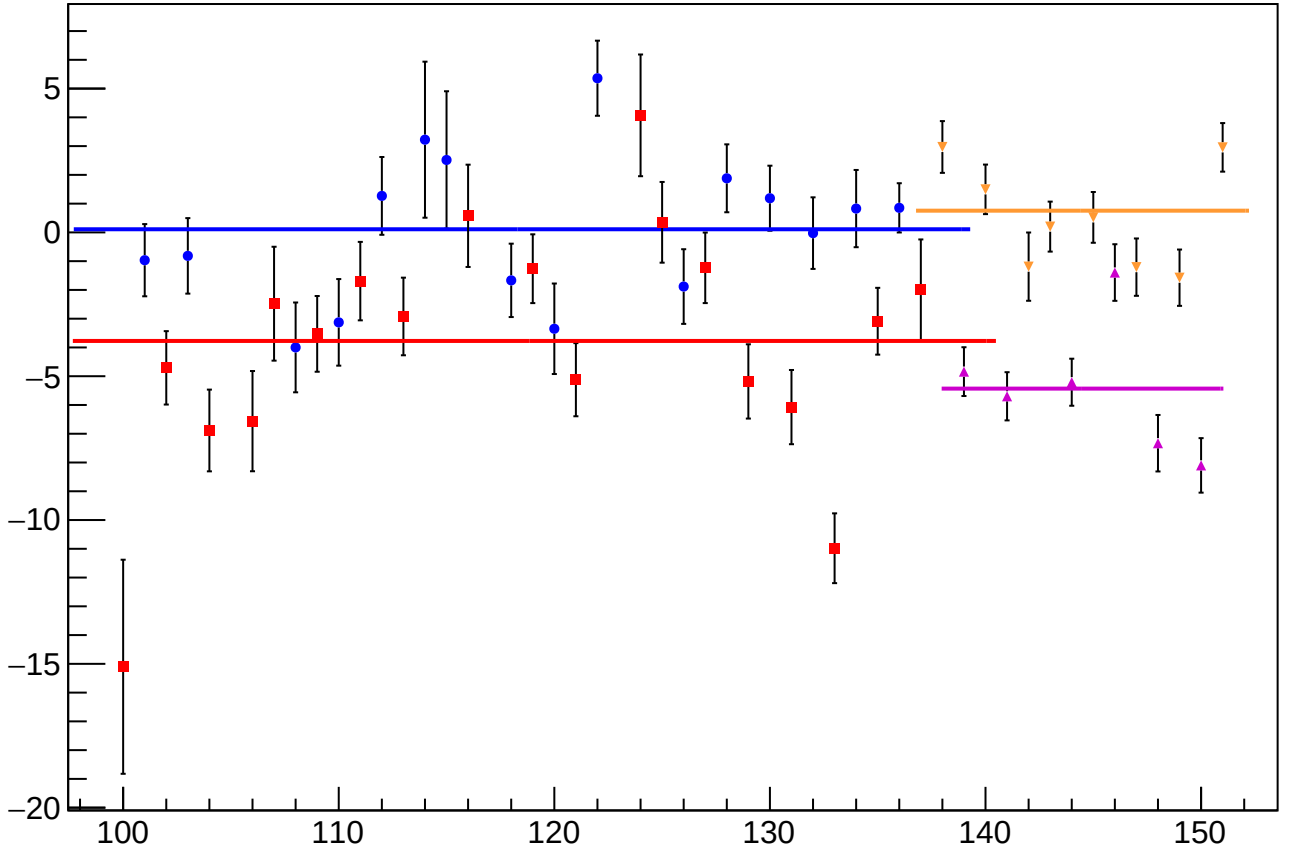
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 762.429+/-0.153 χ^2/NDF:288162.7/21

Out: 755.951+/-0.145 χ^2/NDF:280192.2/26

All: 759.012+/-0.105 χ^2/NDF: 569297.1/48

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.755+/-0.327 χ^2/NDF:26.3/7

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -5.431+/-0.365 χ^2/NDF:29.2/5

Left: -1.997+/-0.244 χ^2/NDF: 214.7/13

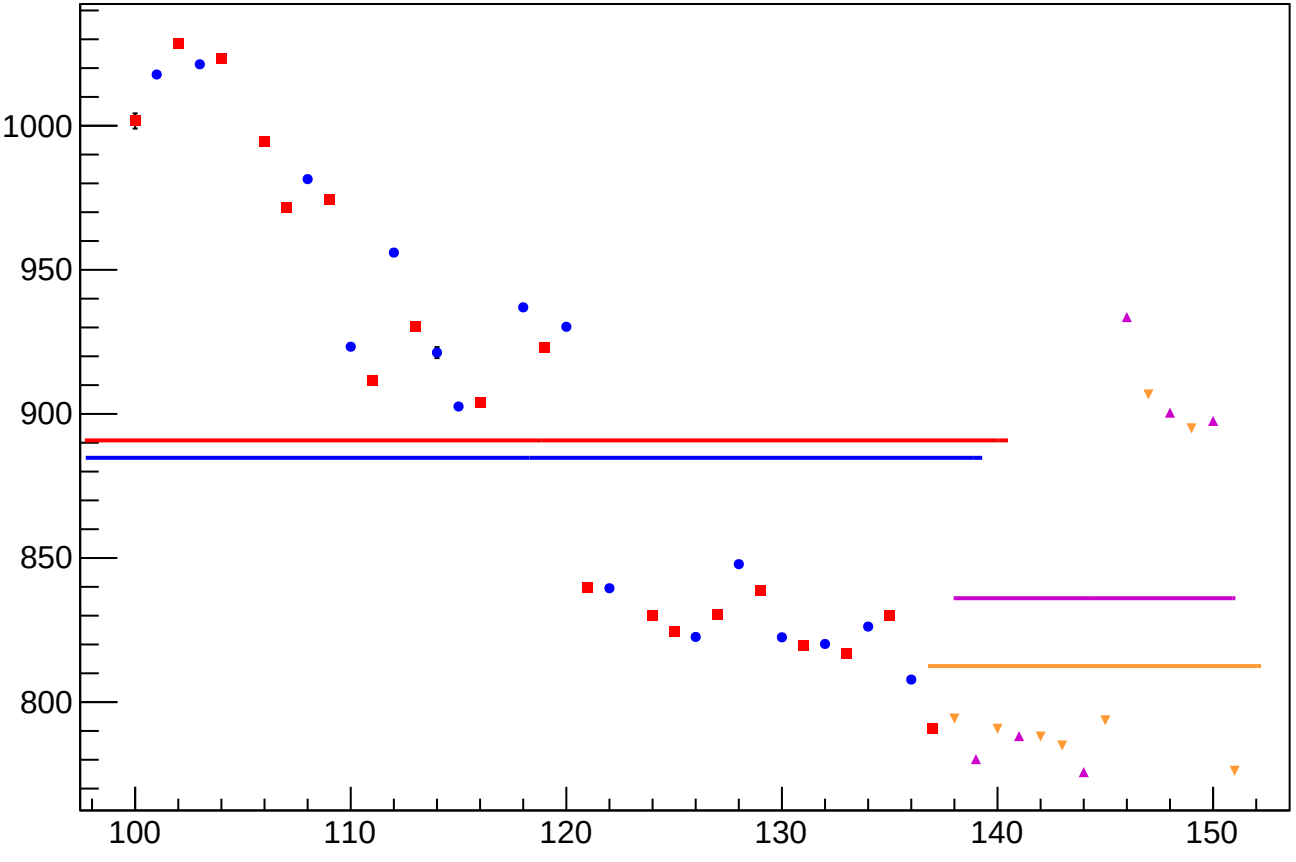
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -2.380+/-0.245 χ^2/NDF:201.2/21

Out: -1.516+/-0.231 χ^2/NDF:222.1/26

All: -1.922+/-0.168 χ^2/NDF: 429.9/48

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 812.512+/-0.231 χ^2/NDF:41646.4/7

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 836.057+/-0.258 χ^2/NDF:62777.1/5

Left: 822.986+/-0.172 χ^2/NDF: 109036.4/13

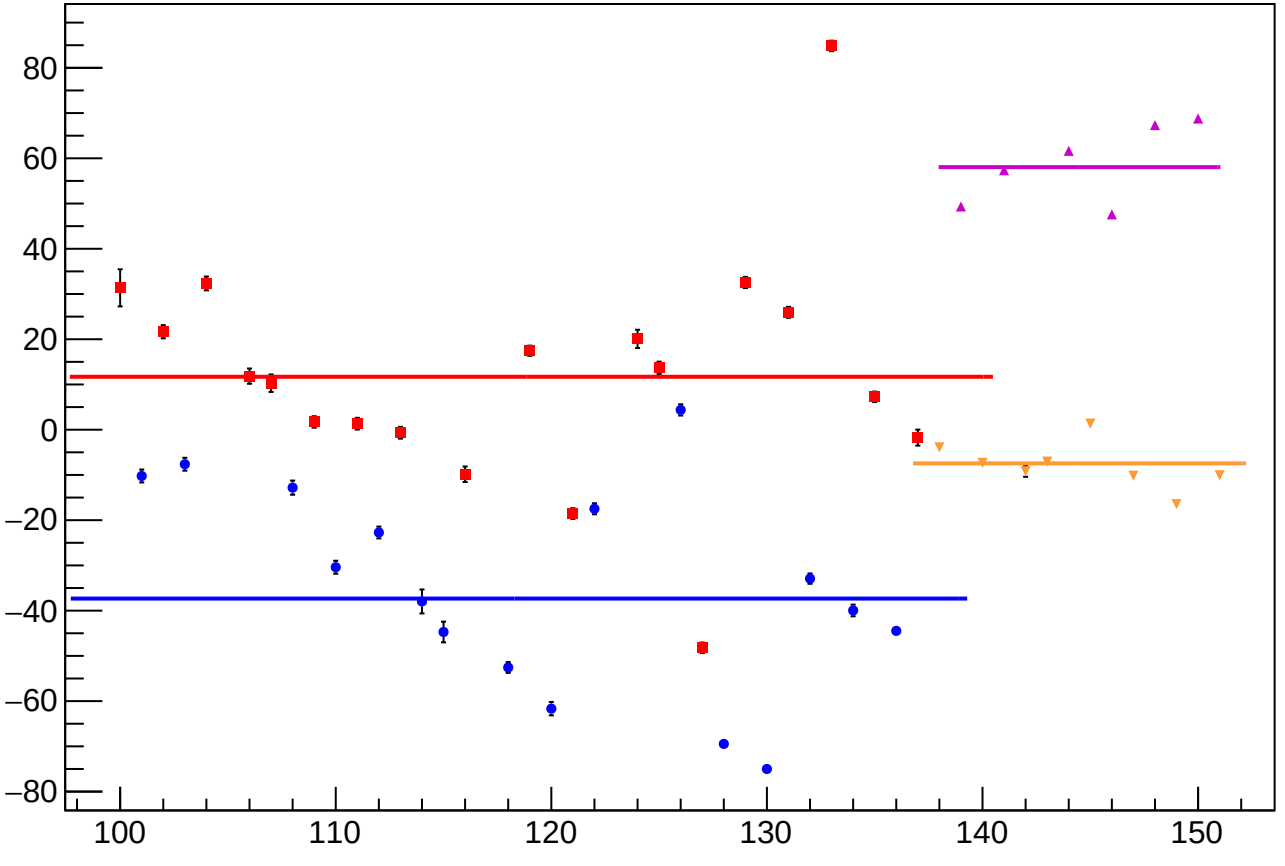
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 862.888+/-0.173 χ^2/NDF:186863.1/21

Out: 851.775+/-0.163 χ^2/NDF:206918.2/26

All: 857.006+/-0.119 χ^2/NDF: 395962.6/48

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -7.440+/-0.334 χ^2/NDF:202.1/7

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 58.052+/-0.378 χ^2/NDF:425.0/5

Left: 21.261+/-0.250 χ^2/NDF: 17469.2/13

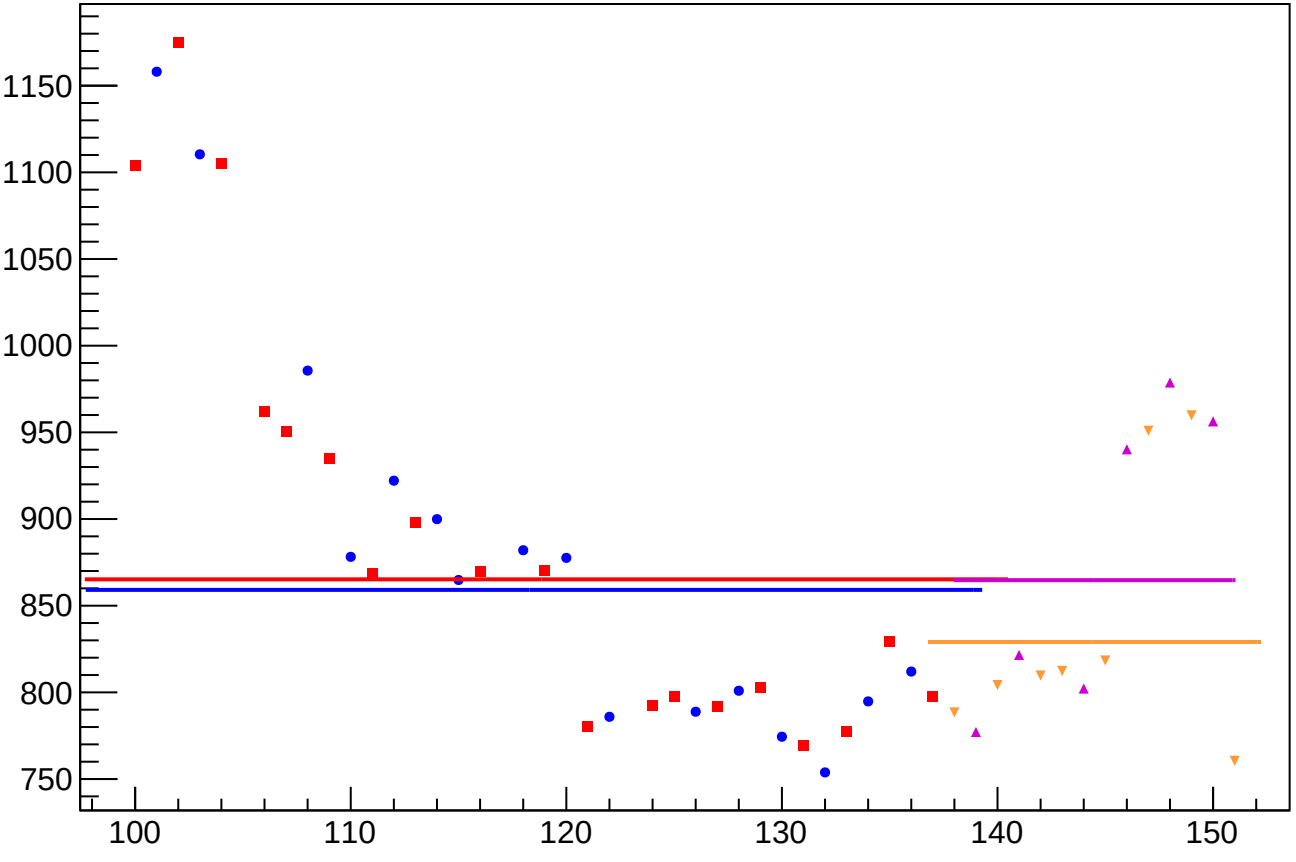
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 2.711+/-0.245 χ^2/NDF:42505.6/21

Out: 2.607+/-0.230 χ^2/NDF:10389.4/26

All: 2.656+/-0.168 χ^2/NDF: 52895.1/48

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 829.074+/-0.236 χ^2/NDF:79127.4/7

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 864.735+/-0.267 χ^2/NDF:88216.6/5

Left: 844.702+/-0.177 χ^2/NDF: 177331.1/13

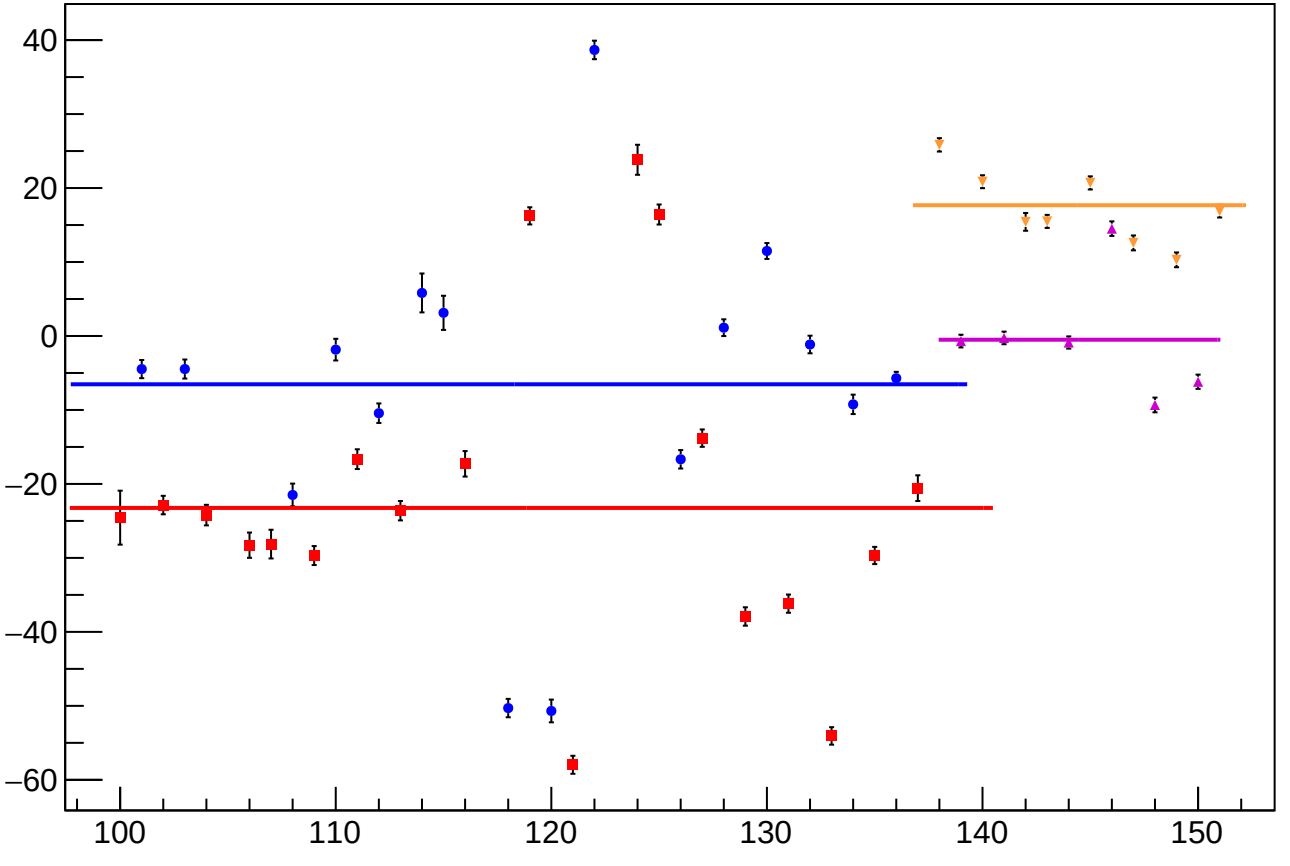
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 861.481+/-0.173 χ^2/NDF:317181.8/21

Out: 848.039+/-0.163 χ^2/NDF:315078.5/26

All: 854.343+/-0.119 χ^2/NDF: 635455.4/48

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 17.679+/-0.332 χ^2/NDF:196.3/7

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -0.505+/-0.370 χ^2/NDF:344.9/5

Left: 9.584+/-0.247 χ^2/NDF: 1879.2/13

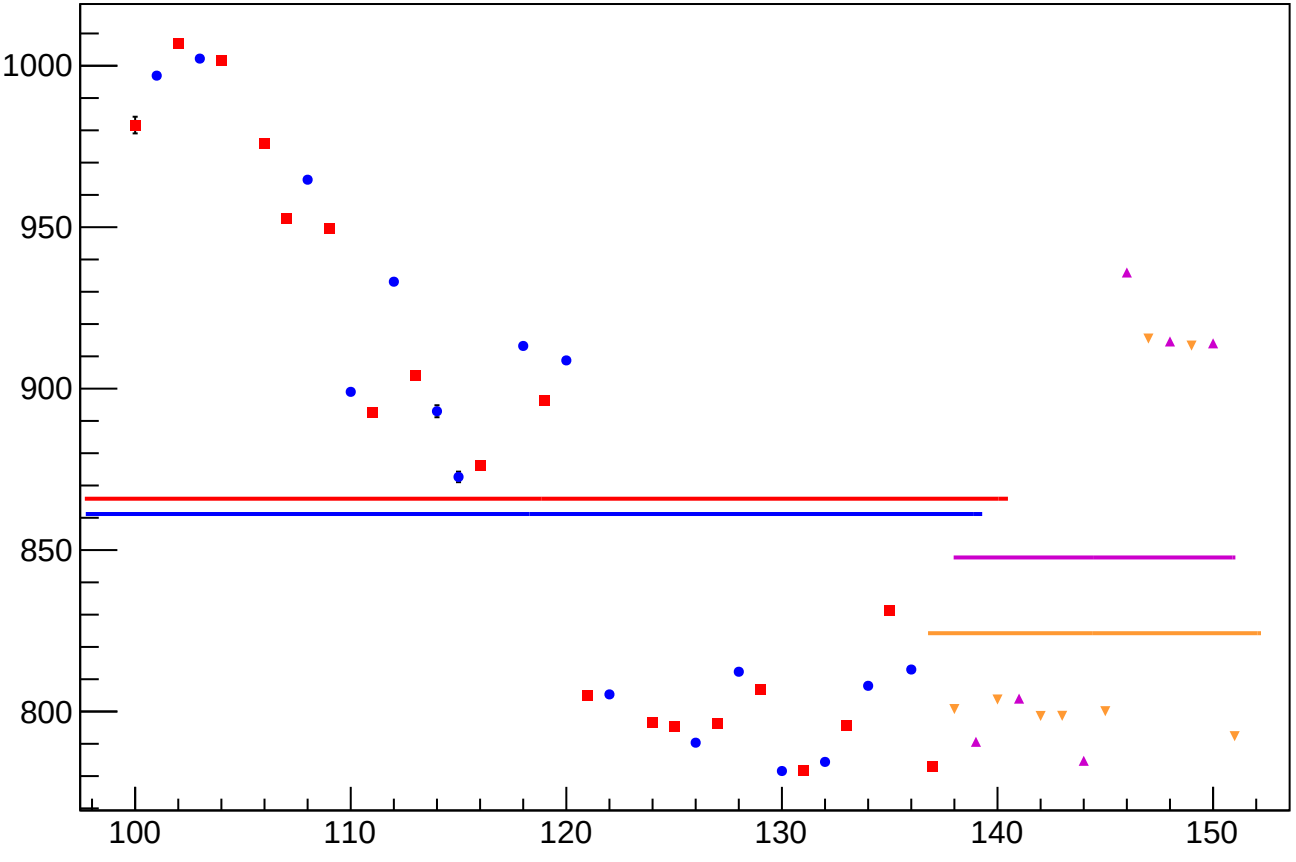
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -3.942+/-0.243 χ^2/NDF:4442.0/21

Out: -3.706+/-0.229 χ^2/NDF:12621.4/26

All: -3.818+/-0.167 χ^2/NDF: 17063.8/48

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 824.253+/-0.235 χ^2/NDF:41580.7/7

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 847.711+/-0.262 χ^2/NDF:60116.6/5

Left: 834.695+/-0.175 χ^2/NDF: 106150.3/13

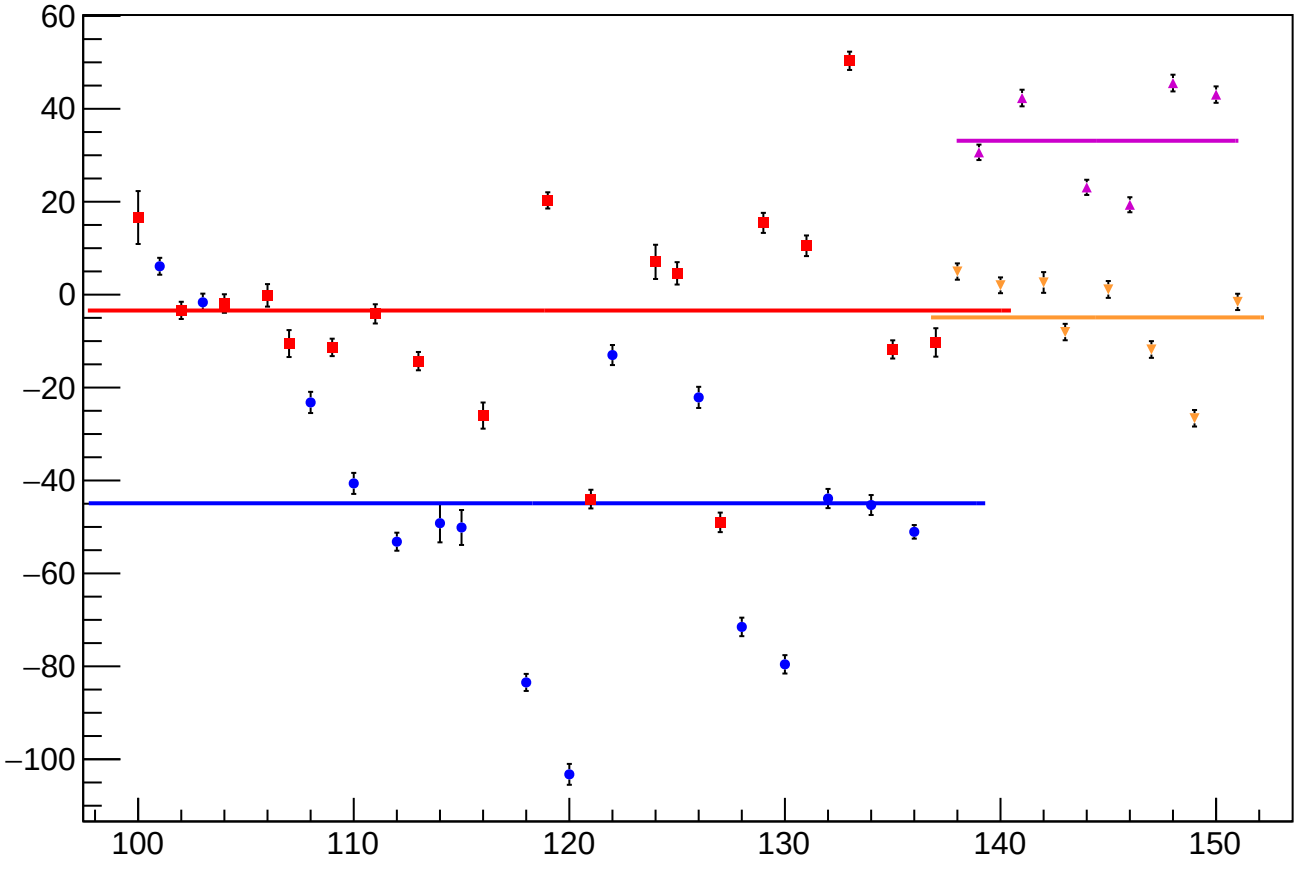
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 855.391+/-0.172 χ^2/NDF:175154.0/21

Out: 846.021+/-0.162 χ^2/NDF:176482.5/26

All: 850.439+/-0.118 χ^2/NDF: 353213.0/48

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -4.898+/-0.639 χ^2/NDF:241.2/7

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 33.122+/-0.697 χ^2/NDF:217.7/5

Left: 12.471+/-0.471 χ^2/NDF: 2075.2/13

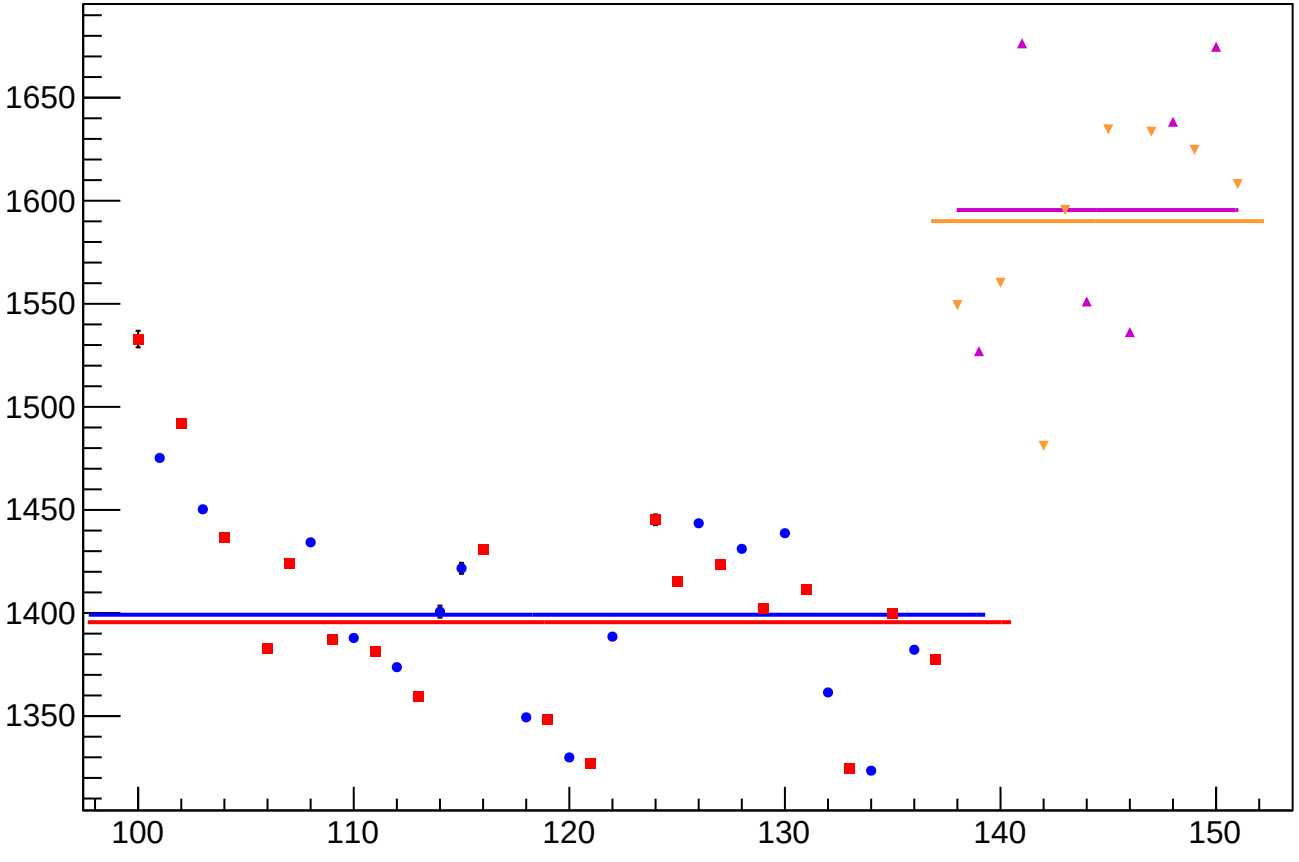
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -17.010+/-0.417 χ^2/NDF:11647.8/21

Out: -3.992+/-0.398 χ^2/NDF:2346.7/26

All: -10.206+/-0.288 χ^2/NDF: 14504.6/48

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1590.119+/-0.452 χ^2/NDF:9826.8/7

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1595.489+/-0.493 χ^2/NDF:16785.5/5

Left: 1592.572+/-0.333 χ^2/NDF: 26676.8/13

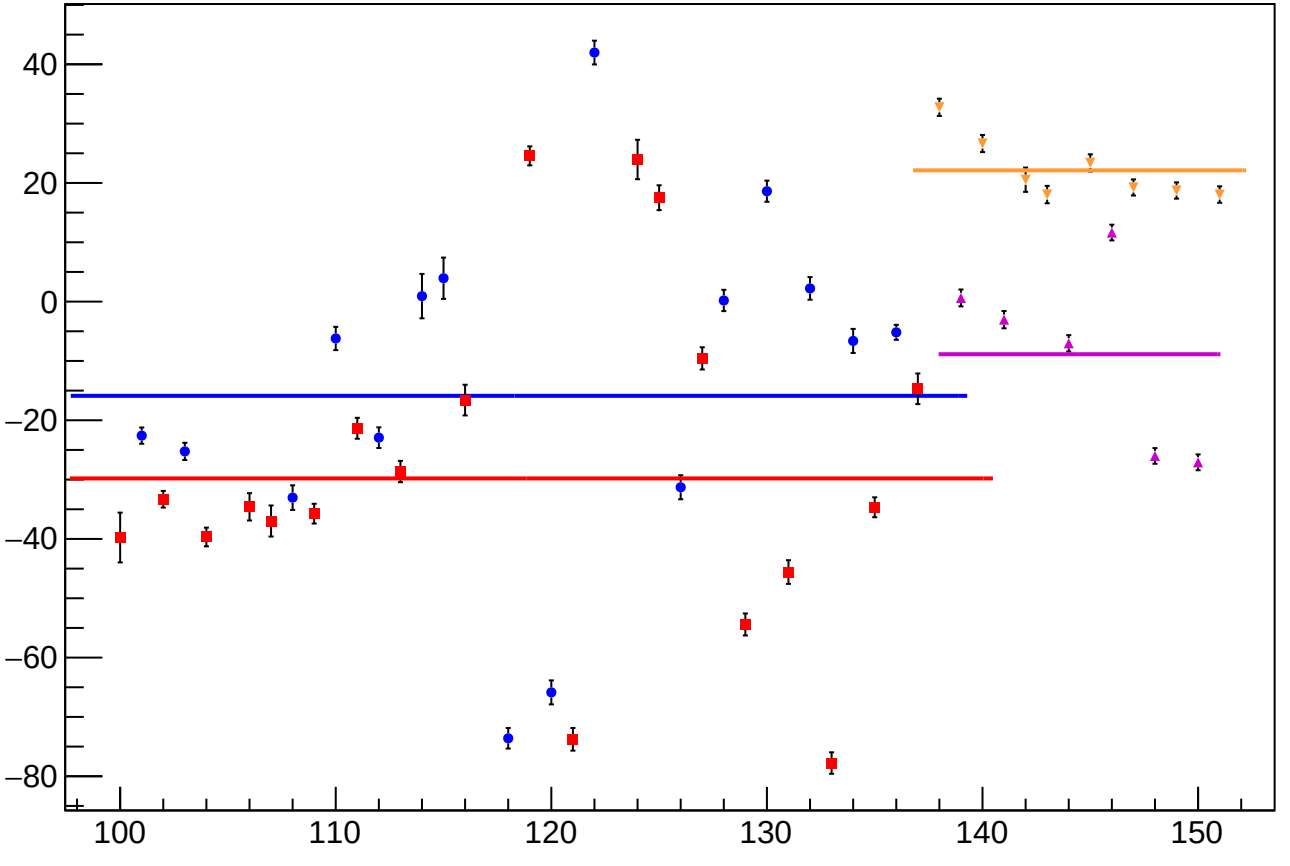
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1469.357+/-0.295 χ^2/NDF:133581.9/21

Out: 1471.075+/-0.282 χ^2/NDF:139445.1/26

All: 1470.255+/-0.204 χ^2/NDF: 273044.7/48

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 22.124+/-0.518 χ^2/NDF:91.6/7

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -8.869+/-0.559 χ^2/NDF:657.4/5

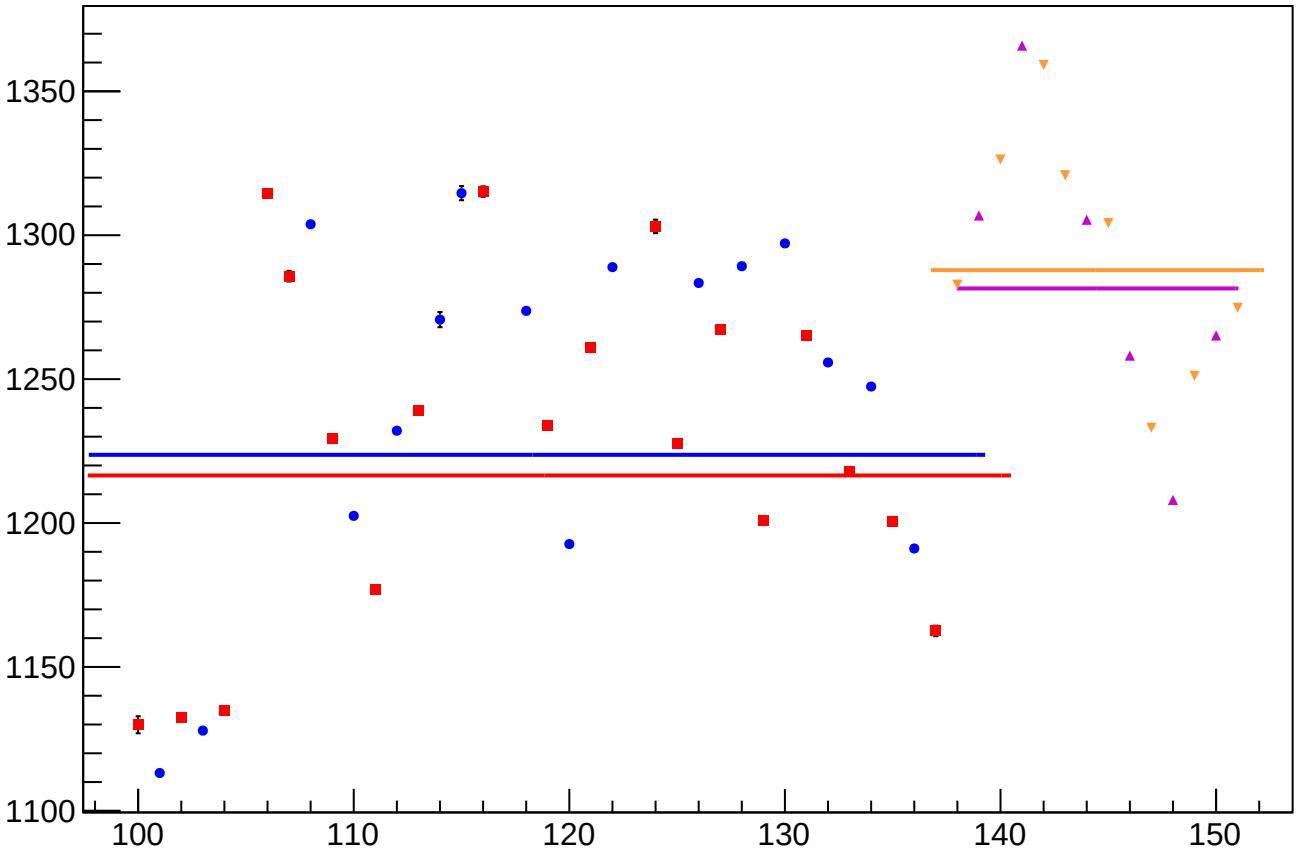
Left: 7.821+/-0.380 χ^2/NDF: 2403.3/13

Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -13.084+/-0.353 χ^2/NDF:4229.7/21

Out: -7.771+/-0.337 χ^2/NDF:9565.8/26

All: -10.306+/-0.244 χ^2/NDF: 13913.9/48



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1287.881+/-0.366 χ^2/NDF:10011.3/7

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1281.506+/-0.395 χ^2/NDF:15069.0/5

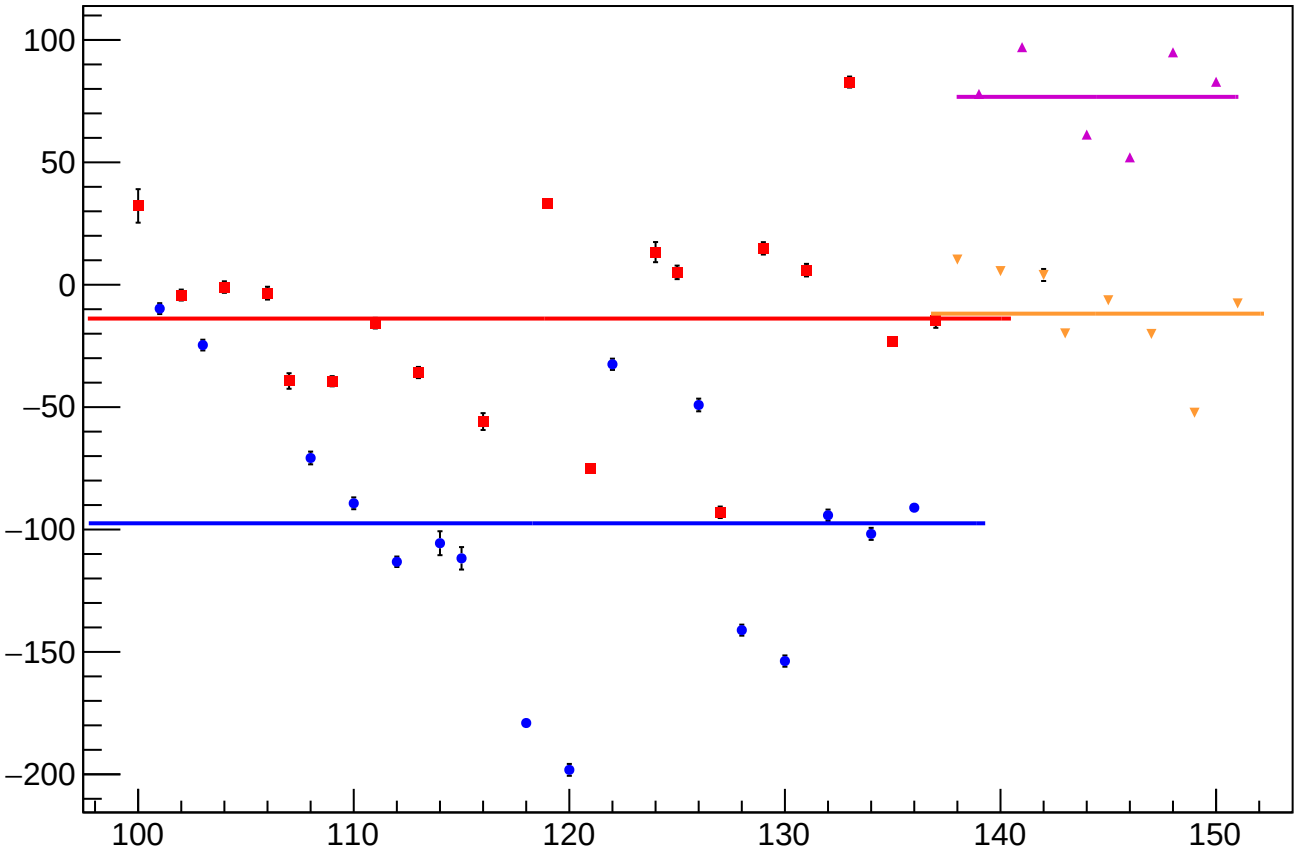
Left: 1284.939+/-0.269 χ^2/NDF: 25220.3/13

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1246.744+/-0.250 χ^2/NDF:68806.7/21

Out: 1246.802+/-0.238 χ^2/NDF:61267.4/26

All: 1246.775+/-0.172 χ^2/NDF: 130074.1/48



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -11.811+/-0.654 χ^2/NDF:852.5/7

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 76.758+/-0.708 χ^2/NDF:549.1/5

Left: 28.966+/-0.480 χ^2/NDF: 9850.7/13

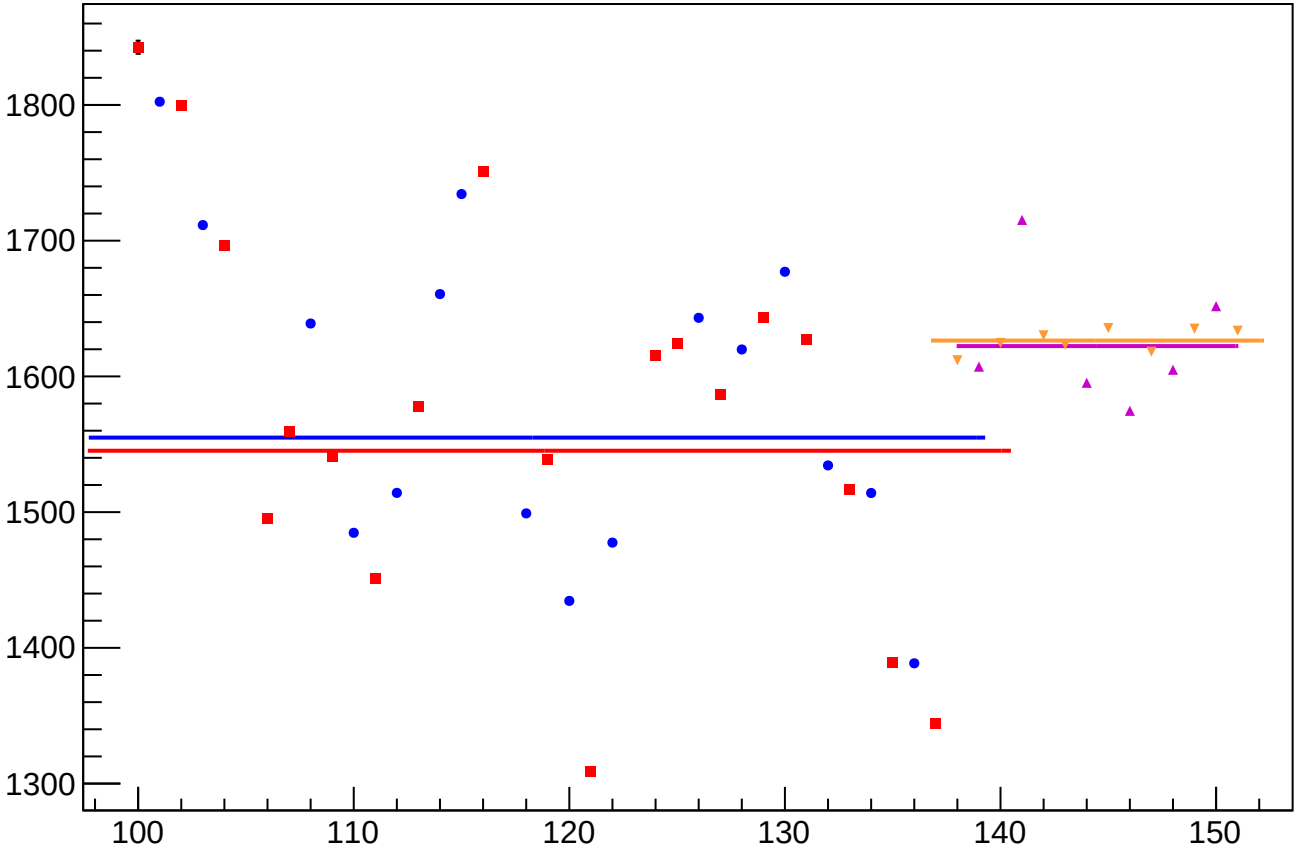
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -27.553+/-0.448 χ^2/NDF:45122.1/21

Out: -12.958+/-0.428 χ^2/NDF:6210.0/26

All: -19.913+/-0.310 χ^2/NDF: 51886.9/48

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1626.417+/-0.462 χ^2/NDF:314.2/7

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1622.336+/-0.500 χ^2/NDF:8248.3/5

Left: 1624.538+/-0.340 χ^2/NDF: 8598.3/13

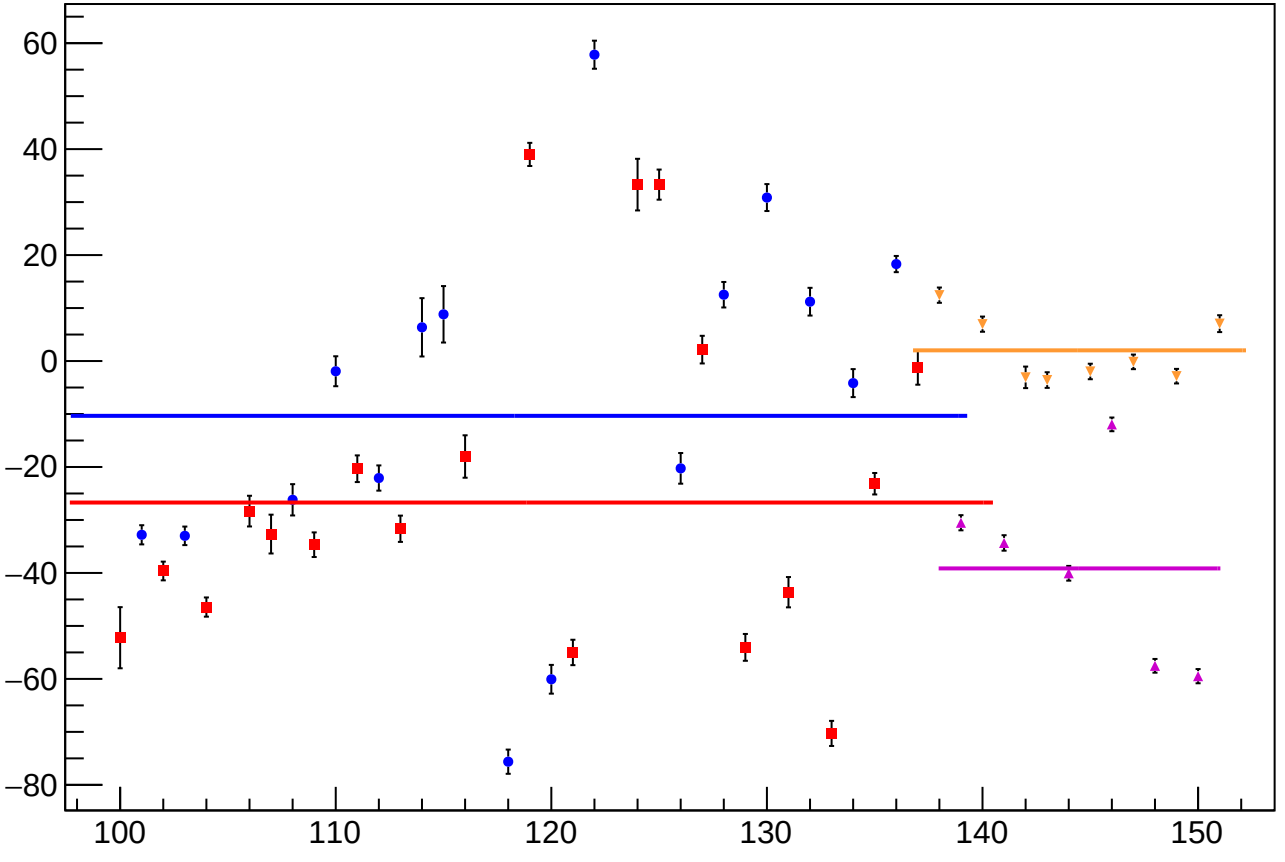
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1581.963+/-0.317 χ^2/NDF:107035.8/21

Out: 1579.992+/-0.302 χ^2/NDF:126736.8/26

All: 1580.931+/-0.219 χ^2/NDF: 233792.9/48

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.017+/-0.528 χ^2/NDF:117.2/7

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -39.145+/-0.557 χ^2/NDF:919.3/5

Left: -17.453+/-0.383 χ^2/NDF: 3909.5/13

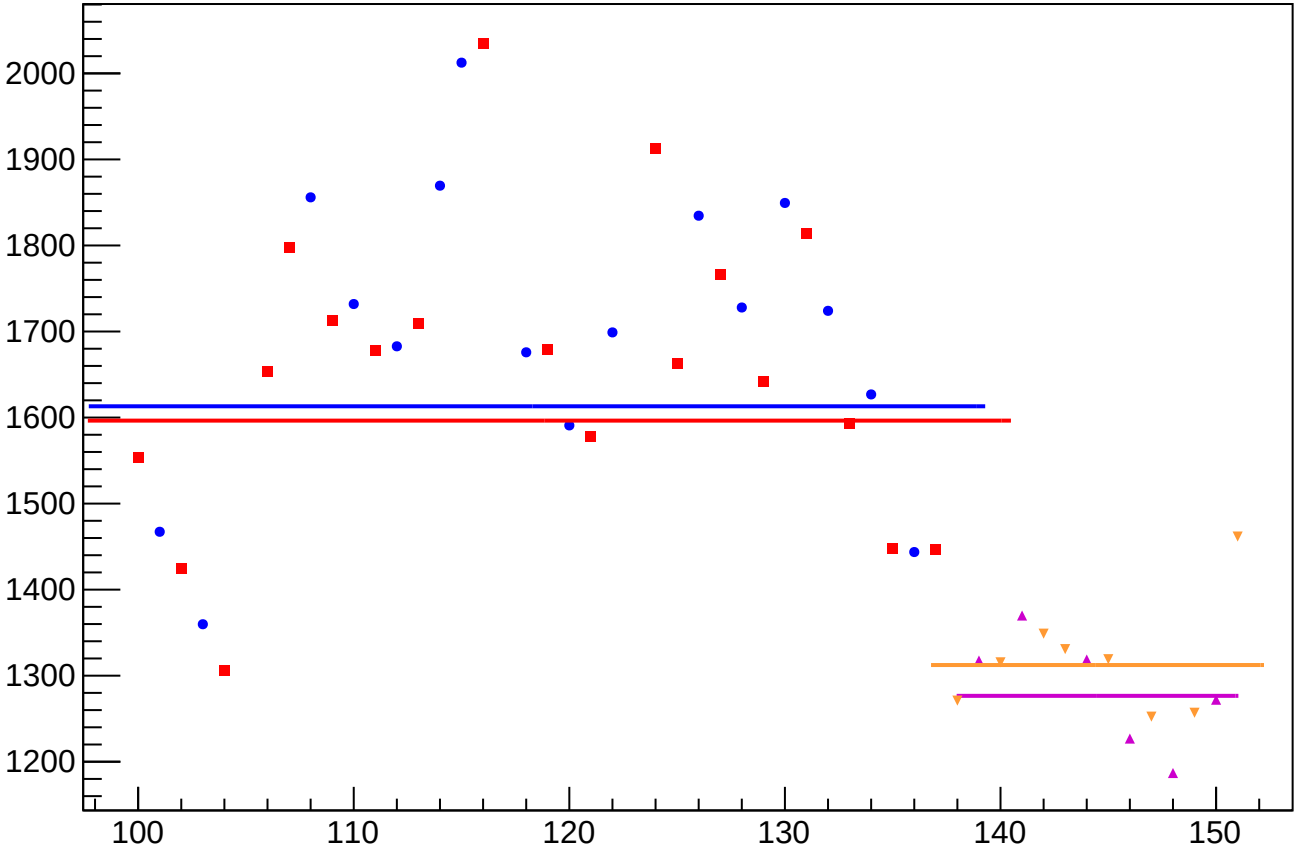
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -25.876+/-0.409 χ^2/NDF:5155.9/21

Out: -10.850+/-0.392 χ^2/NDF:3983.0/26

All: -18.045+/-0.283 χ^2/NDF: 9841.0/48

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1312.375+/-0.373 χ^2/NDF:27269.1/7

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1276.565+/-0.394 χ^2/NDF:24173.0/5

Left: 1295.437+/-0.271 χ^2/NDF: 55791.2/13

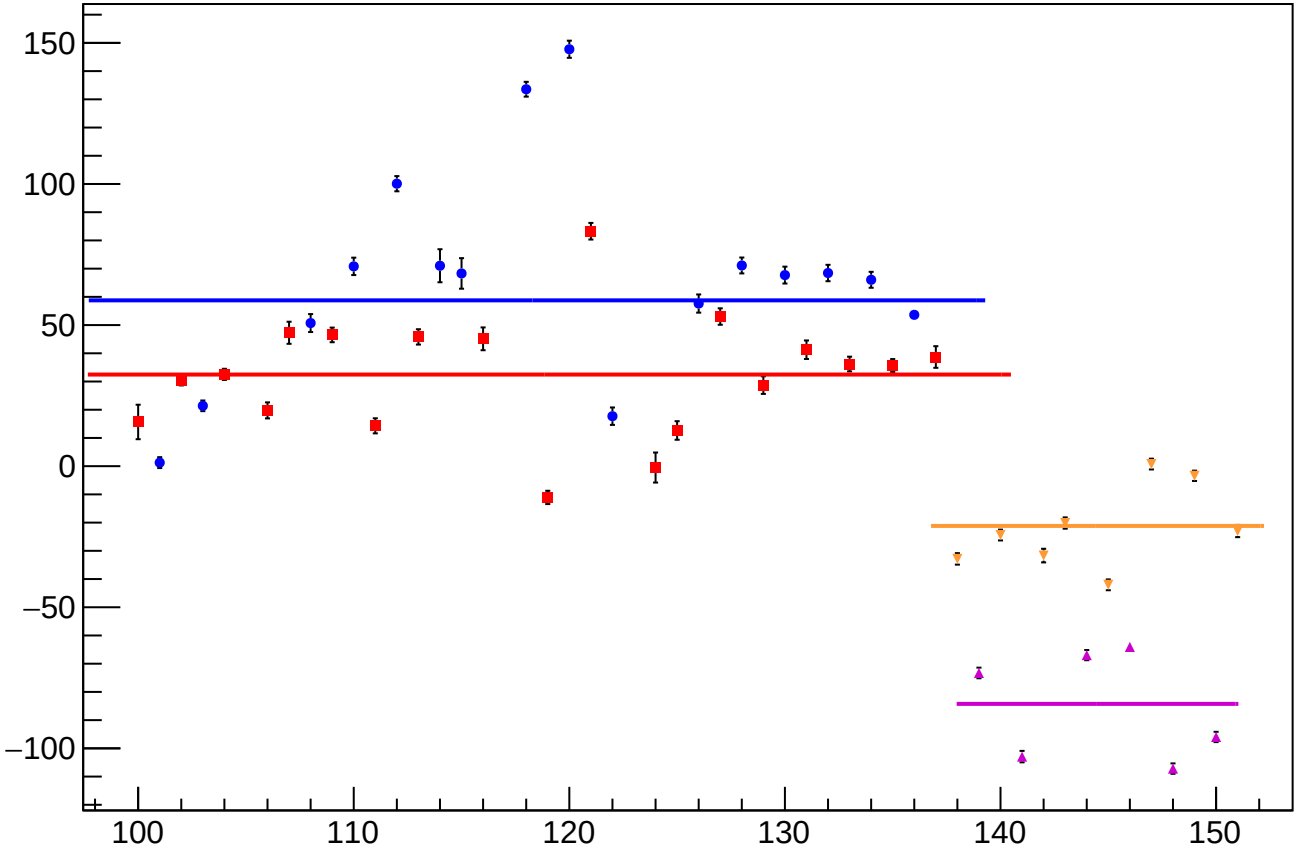
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1431.613+/-0.289 χ^2/NDF:514663.3/21

Out: 1439.614+/-0.277 χ^2/NDF:447132.4/26

All: 1435.783+/-0.200 χ^2/NDF: 962193.8/48

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -21.171+/-0.709 χ^2/NDF:398.9/7

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -84.240+/-0.757 χ^2/NDF:536.5/5

Left: -50.659+/-0.517 χ^2/NDF: 4633.4/13

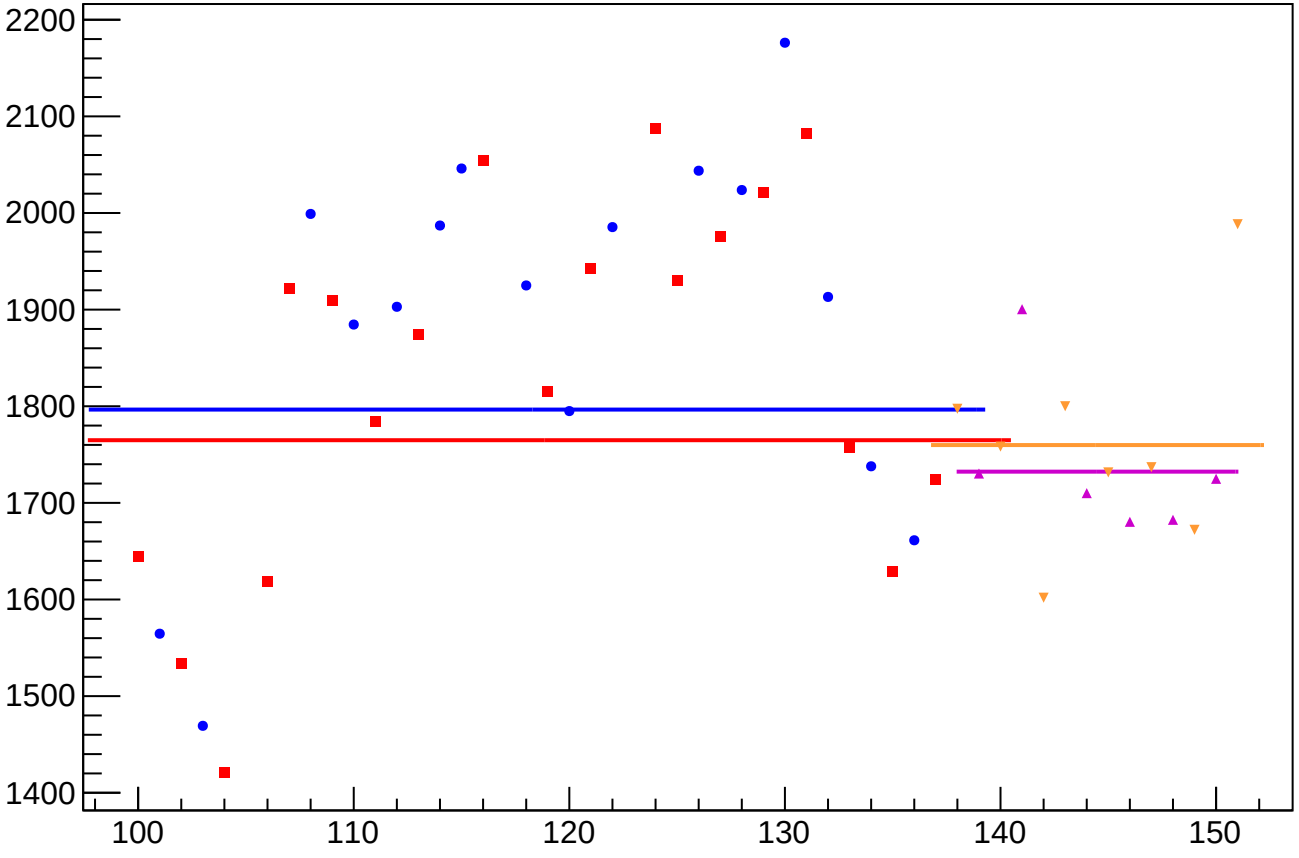
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -4.331+/-0.503 χ^2/NDF:23932.2/21

Out: 8.041+/-0.479 χ^2/NDF:4445.5/26

All: 2.159+/-0.347 χ^2/NDF: 28695.5/48

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1759.828+/-0.501 χ^2/NDF:37551.0/7

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1732.311+/-0.535 χ^2/NDF:17238.3/5

Left: 1746.963+/-0.366 χ^2/NDF: 56197.2/13

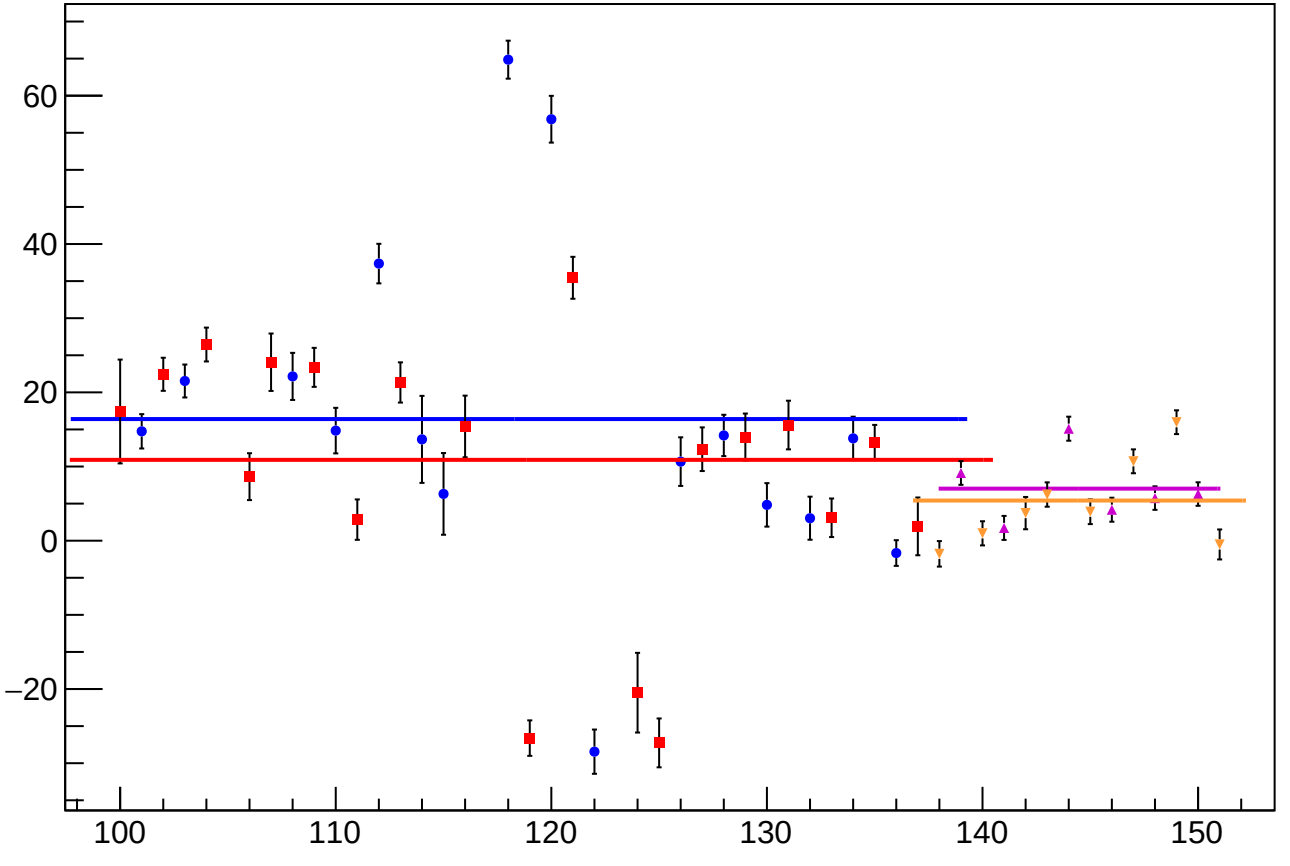
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1768.210+/-0.355 χ^2/NDF:218464.1/21

Out: 1762.569+/-0.338 χ^2/NDF:227593.7/26

All: 1765.251+/-0.245 χ^2/NDF: 446190.0/48

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 5.414+/-0.612 χ^2/NDF:89.2/7

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.019+/-0.655 χ^2/NDF:41.3/5

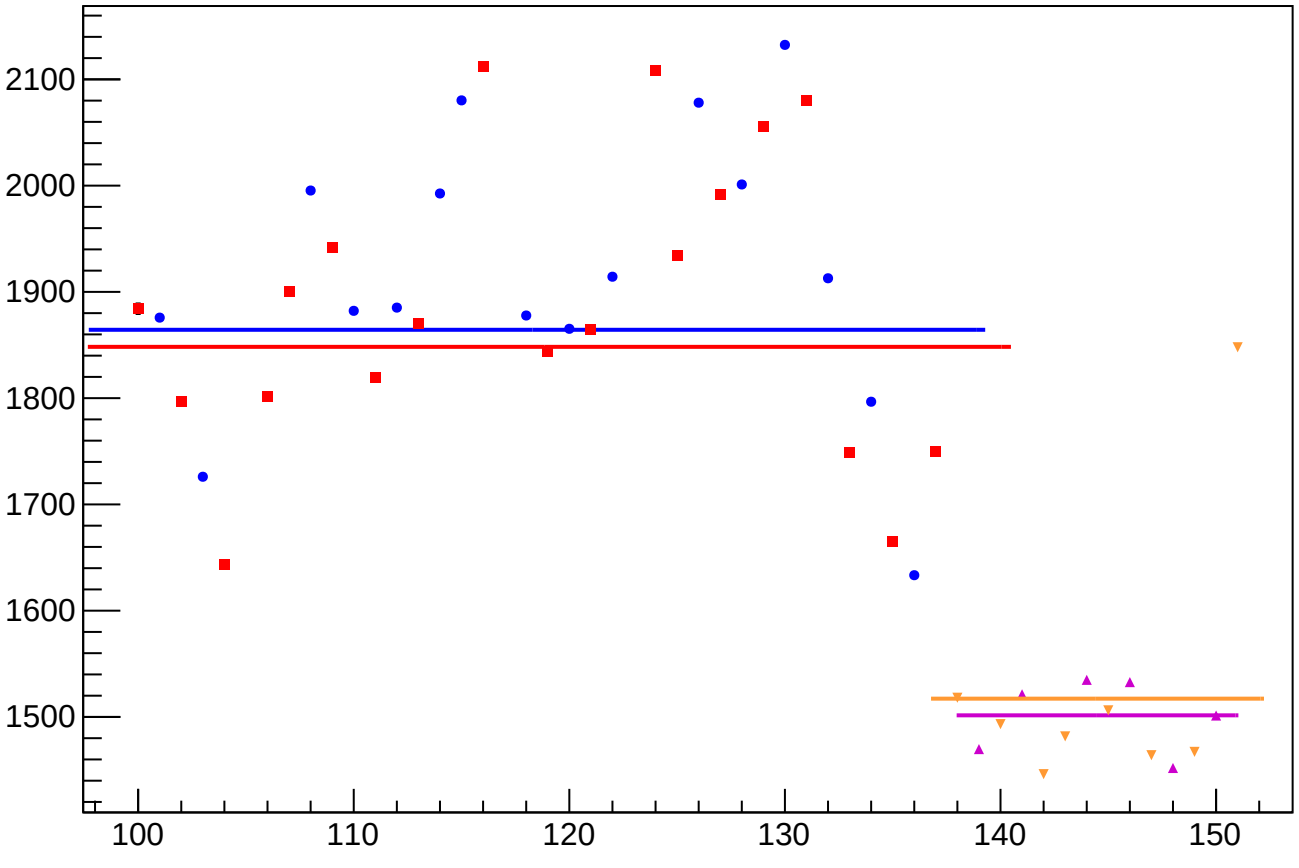
Left: 6.162+/-0.447 χ^2/NDF: 133.6/13

Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 11.431+/-0.477 χ^2/NDF:1110.7/21

Out: 7.882+/-0.454 χ^2/NDF:767.1/26

All: 9.568+/-0.329 χ^2/NDF: 1906.9/48



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1517.209+/-0.432 χ^2/NDF:61181.8/7

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1501.515+/-0.463 χ^2/NDF:4642.2/5

Left: 1509.898+/-0.316 χ^2/NDF: 66437.7/13

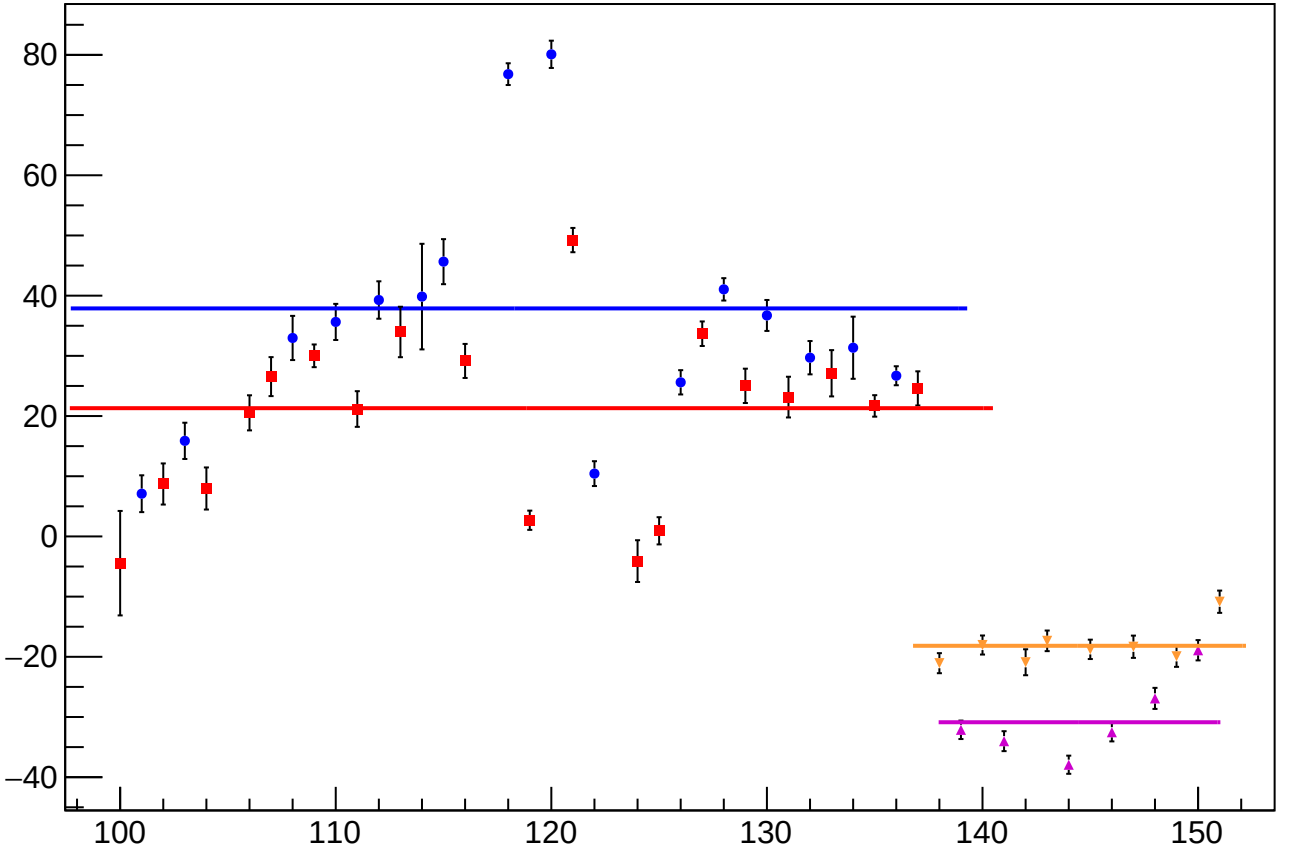
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1672.149+/-0.337 χ^2/NDF:376694.3/21

Out: 1666.148+/-0.321 χ^2/NDF:399851.0/26

All: 1669.000+/-0.232 χ^2/NDF: 776711.7/48

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.169+/-0.619 χ^2/NDF:21.7/7

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -30.870+/-0.654 χ^2/NDF:82.8/5

Left: -24.172+/-0.449 χ^2/NDF: 303.6/13

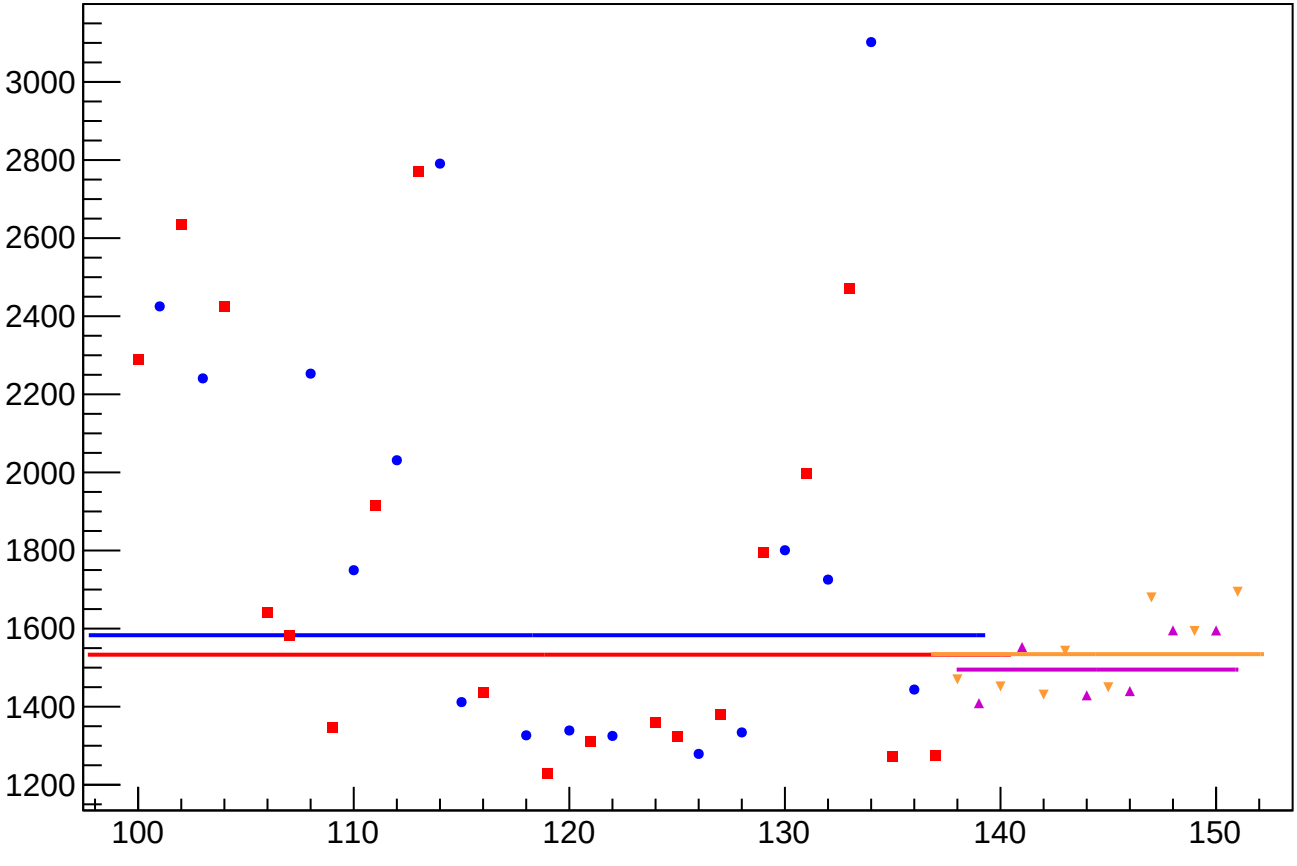
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 5.190+/-0.451 χ^2/NDF:7135.0/21

Out: 2.411+/-0.428 χ^2/NDF:2725.8/26

All: 3.729+/-0.310 χ^2/NDF: 9880.8/48

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1534.546+/-0.438 χ^2/NDF:48247.6/7

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1494.996+/-0.462 χ^2/NDF:28849.4/5

Left: 1515.853+/-0.318 χ^2/NDF: 80958.3/13

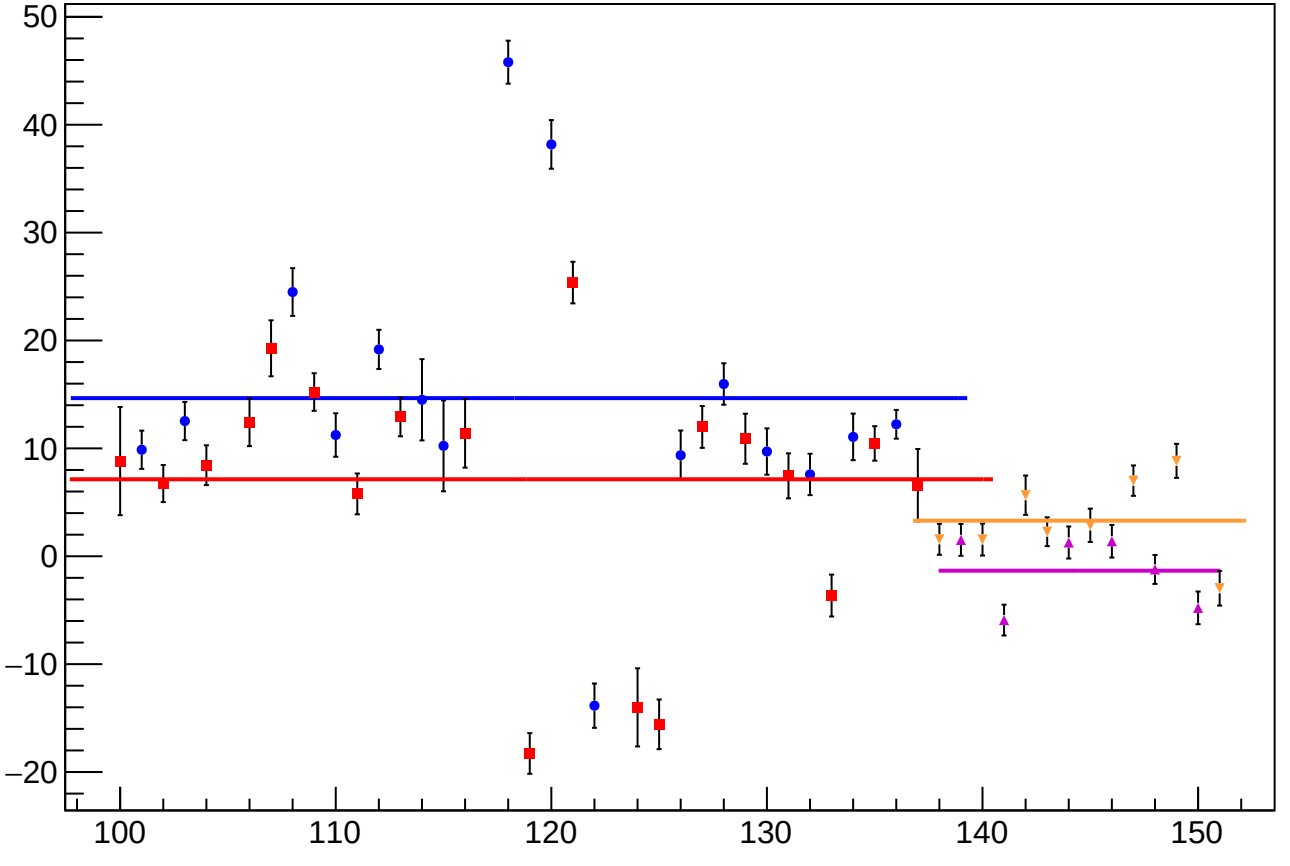
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1541.181+/-0.319 χ^2/NDF:835557.9/21

Out: 1533.839+/-0.303 χ^2/NDF:999030.0/26

All: 1537.321+/-0.219 χ^2/NDF: 1834866.9/48

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.301+/-0.534 χ^2/NDF:39.6/7

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.337+/-0.594 χ^2/NDF:25.5/5

Left: 1.230+/-0.397 χ^2/NDF: 98.9/13

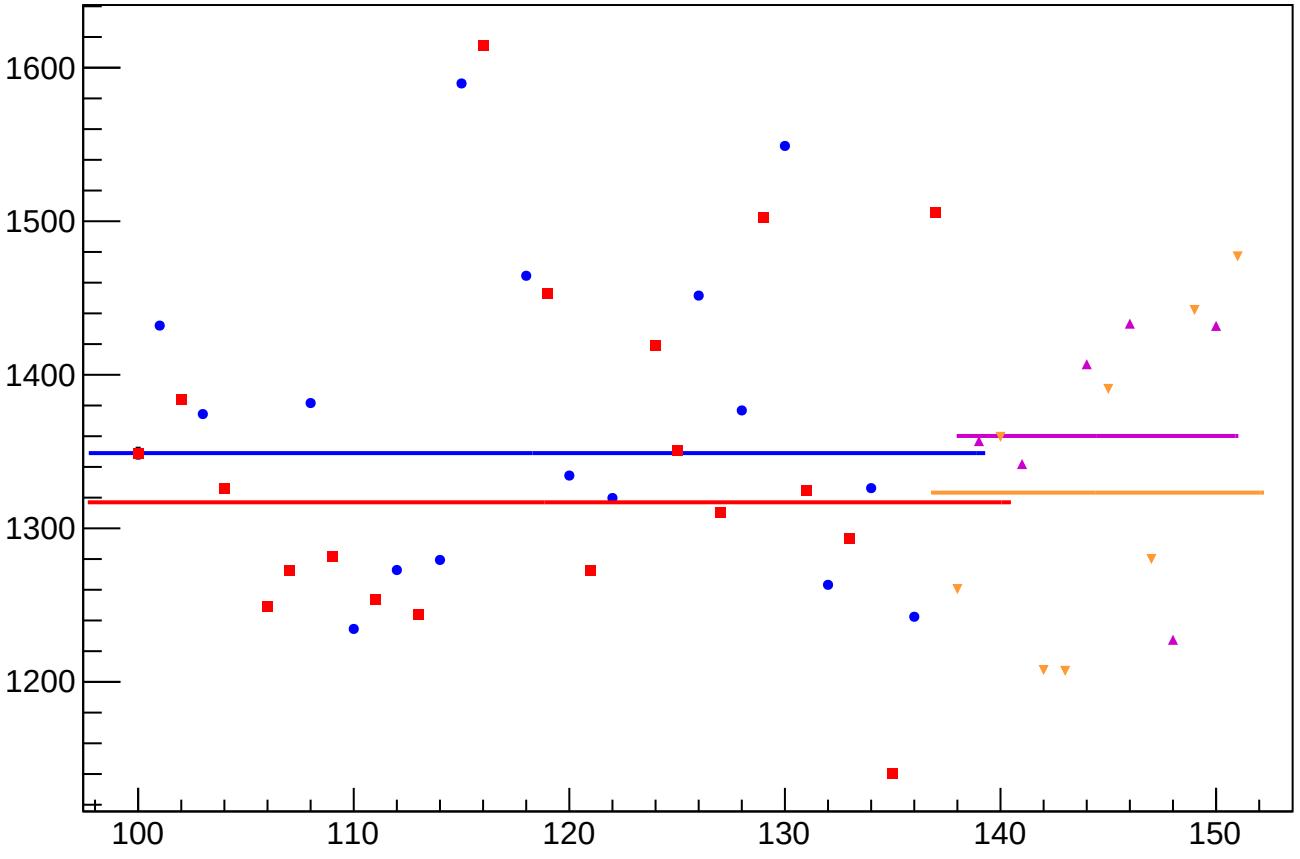
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 7.960+/-0.385 χ^2/NDF:1061.3/21

Out: 5.408+/-0.358 χ^2/NDF:577.4/26

All: 6.593+/-0.262 χ^2/NDF: 1662.2/48

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1323.264+/-0.377 χ^2/NDF:63493.8/7

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1360.166+/-0.420 χ^2/NDF:31066.7/5

Left: 1339.739+/-0.281 χ^2/NDF: 98828.0/13

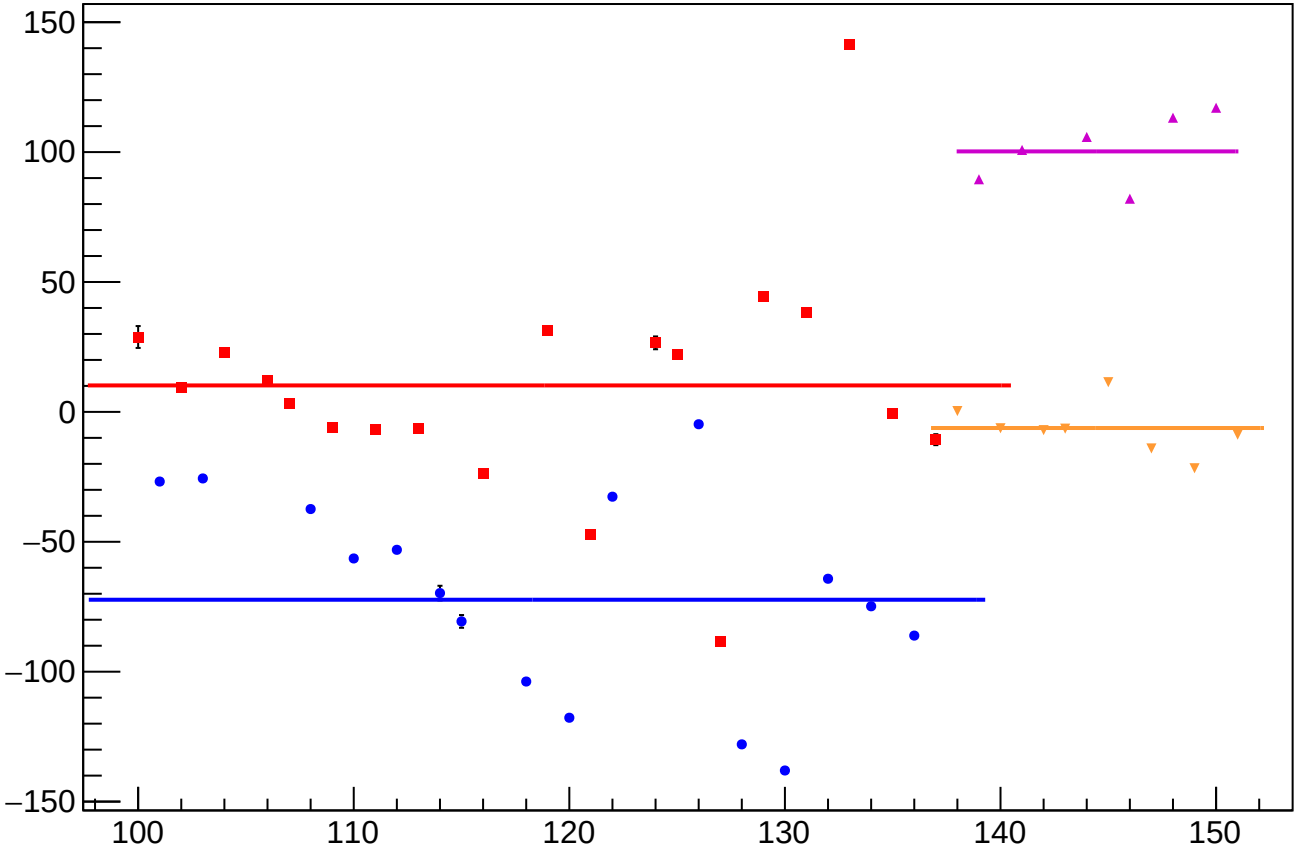
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1353.676+/-0.272 χ^2/NDF:99860.6/21

Out: 1319.800+/-0.253 χ^2/NDF:150520.8/26

All: 1335.535+/-0.185 χ^2/NDF: 258689.8/48

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -6.203+/-0.366 χ^2/NDF:569.1/7

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 100.264+/-0.424 χ^2/NDF:825.8/5

Left: 39.290+/-0.277 χ^2/NDF: 37547.5/13

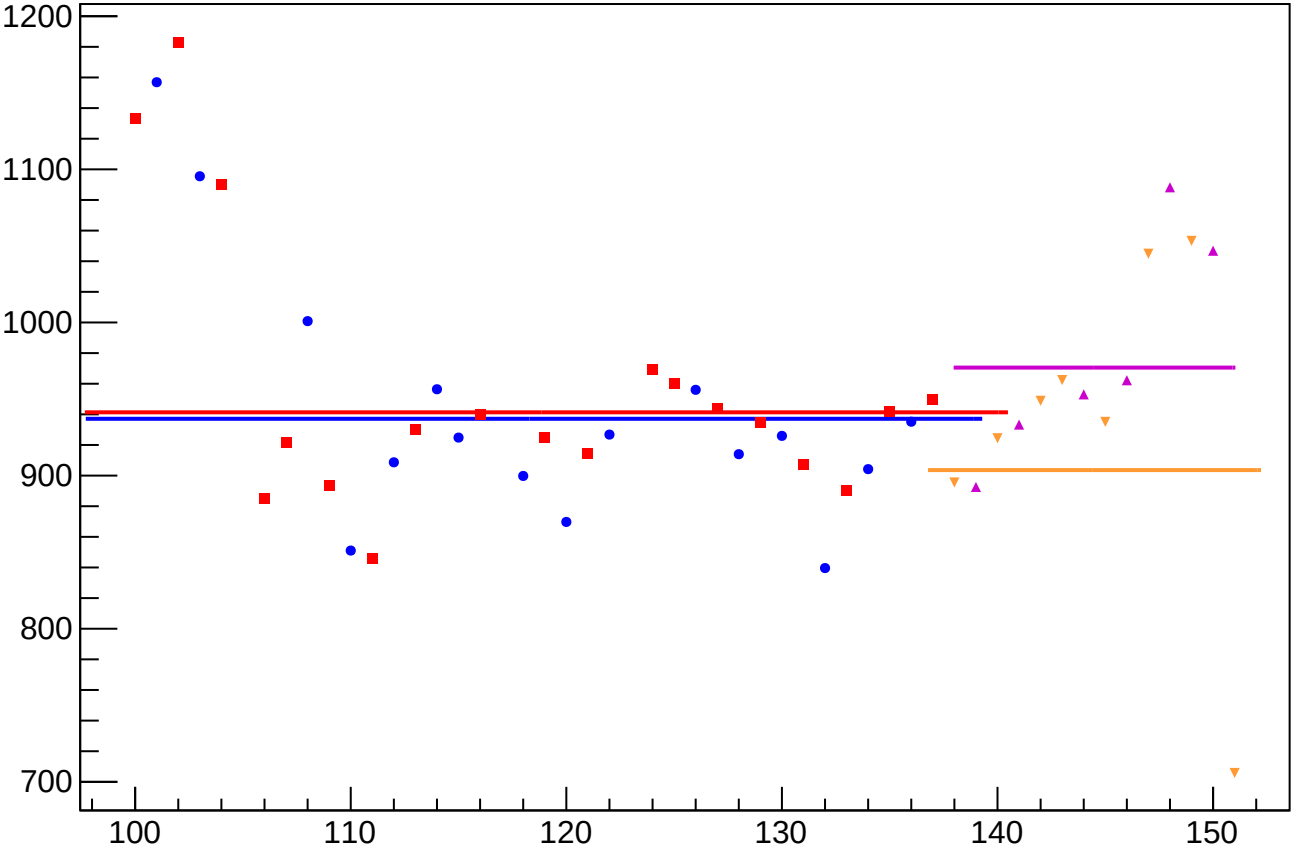
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: -2.450+/-0.270 χ^2/NDF:111692.0/21

Out: 2.488+/-0.251 χ^2/NDF:20678.2/26

All: 0.197+/-0.184 χ^2/NDF: 132550.0/48

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 903.609+/-0.259 χ^2/NDF:207632.3/7

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 970.530+/-0.300 χ^2/NDF:45663.4/5

Left: 932.204+/-0.196 χ^2/NDF: 281863.2/13

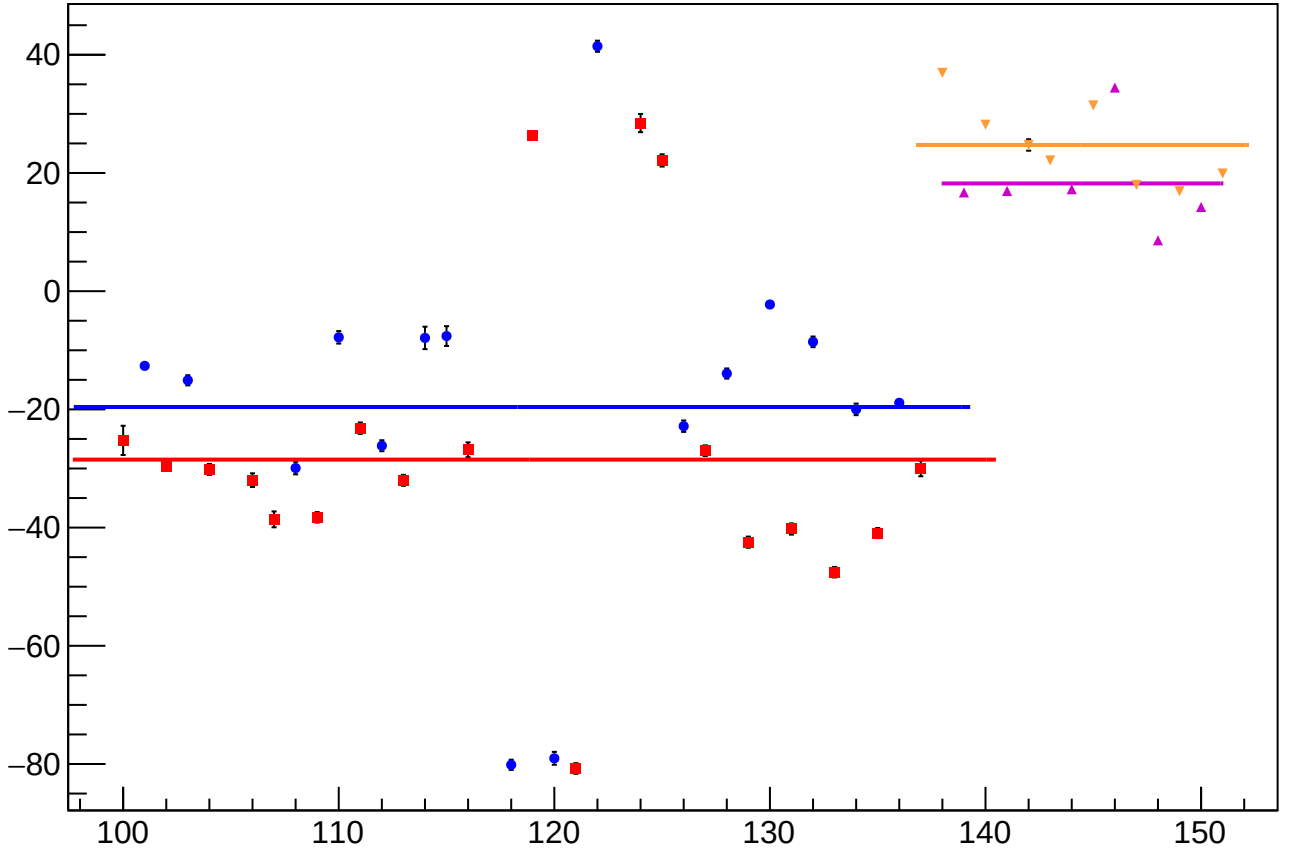
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 950.631+/-0.191 χ^2/NDF:157733.9/21

Out: 923.605+/-0.177 χ^2/NDF:319921.9/26

All: 936.147+/-0.130 χ^2/NDF: 488426.4/48

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.742+/-0.257 χ^2/NDF:661.1/7

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 18.231+/-0.293 χ^2/NDF:692.7/5

Left: 21.918+/-0.193 χ^2/NDF: 1632.7/13

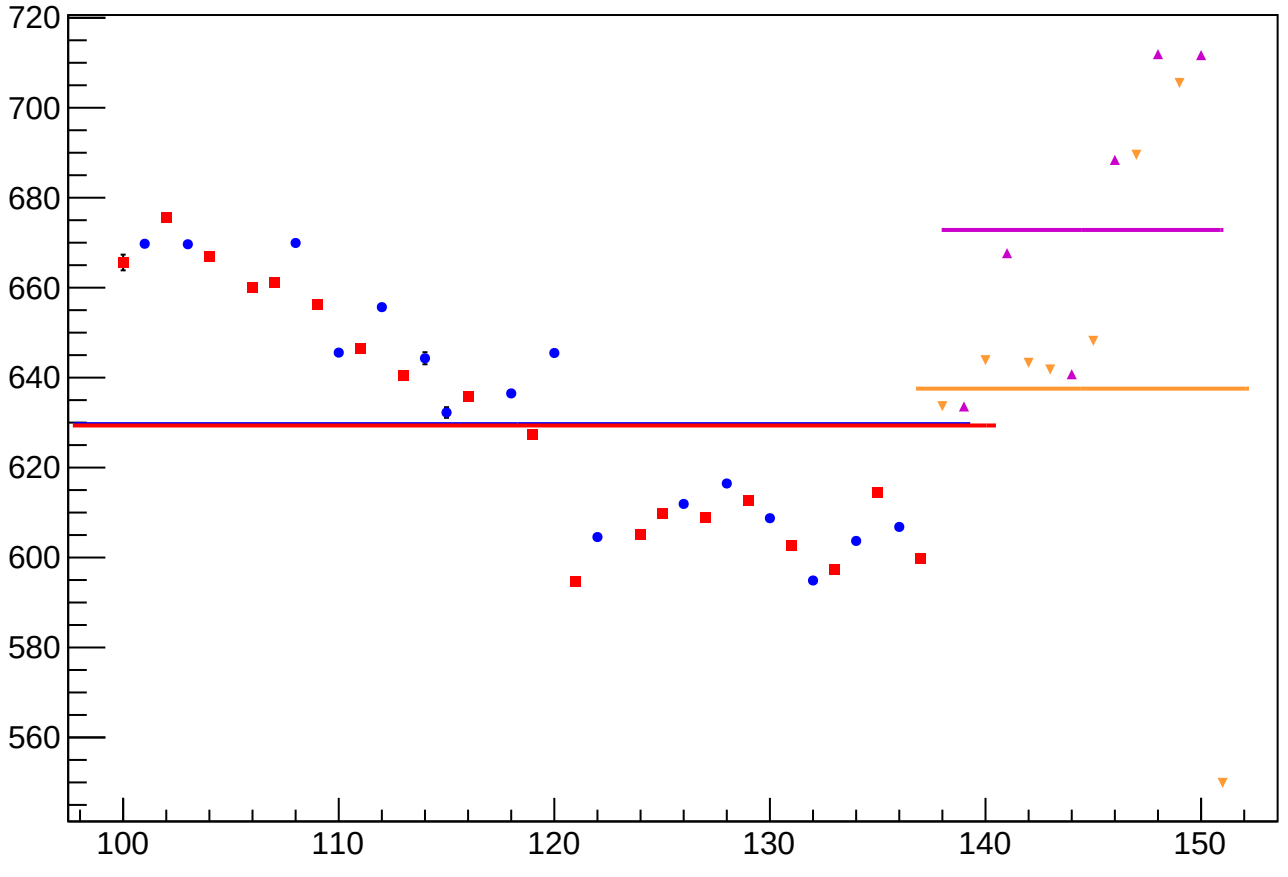
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -4.883+/-0.183 χ^2/NDF:24023.1/21

Out: -4.831+/-0.171 χ^2/NDF:37516.2/26

All: -4.855+/-0.125 χ^2/NDF: 61539.4/48

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 637.551+/-0.182 χ^2/NDF:68658.0/7

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 672.833+/-0.207 χ^2/NDF:22461.1/5

Left: 652.854+/-0.137 χ^2/NDF: 107502.2/13

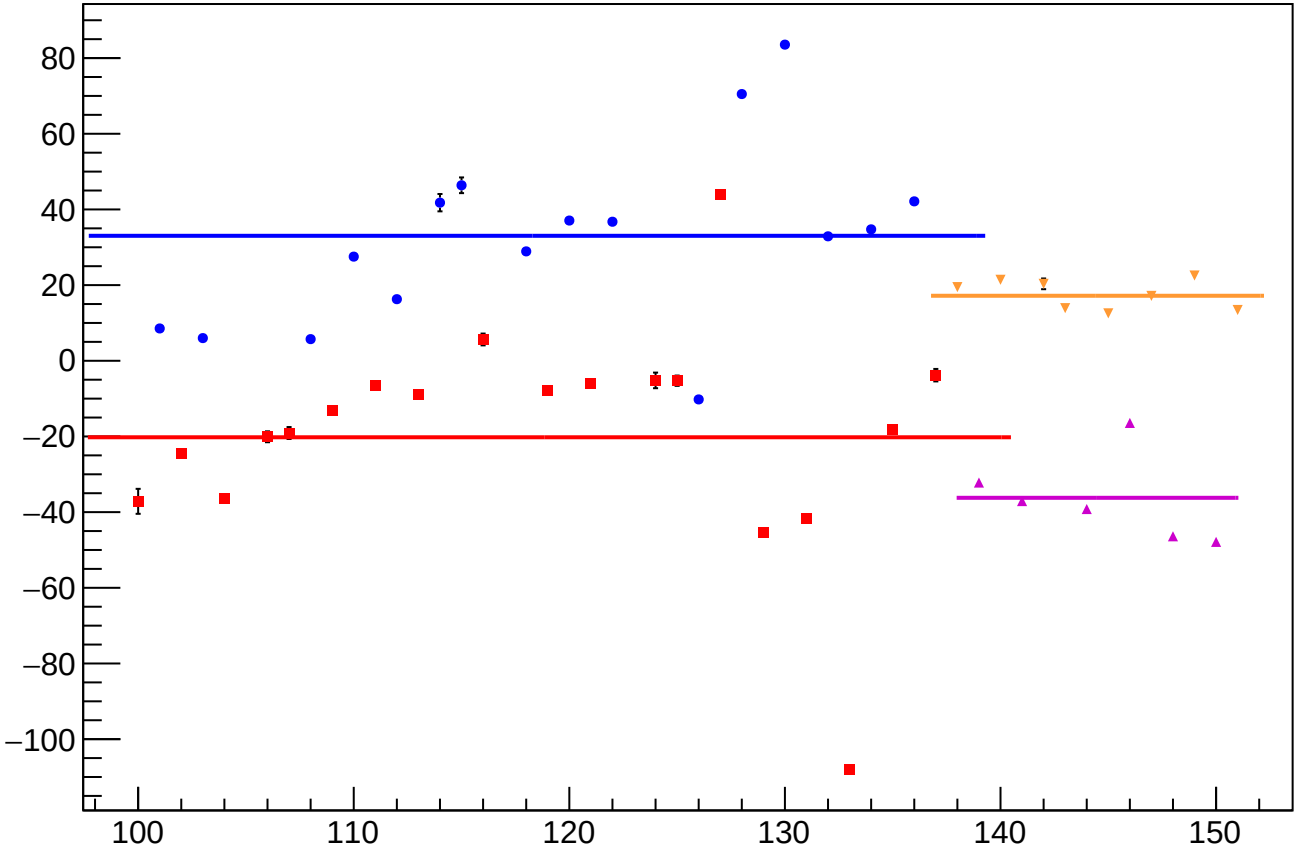
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 646.453+/-0.129 χ^2/NDF:74246.2/21

Out: 633.002+/-0.121 χ^2/NDF:96579.6/26

All: 639.281+/-0.088 χ^2/NDF: 176591.1/48

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.185+/-0.387 χ^2/NDF:91.2/7

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -36.212+/-0.437 χ^2/NDF:552.8/5

Left: -6.284+/-0.290 χ^2/NDF: 8998.2/13

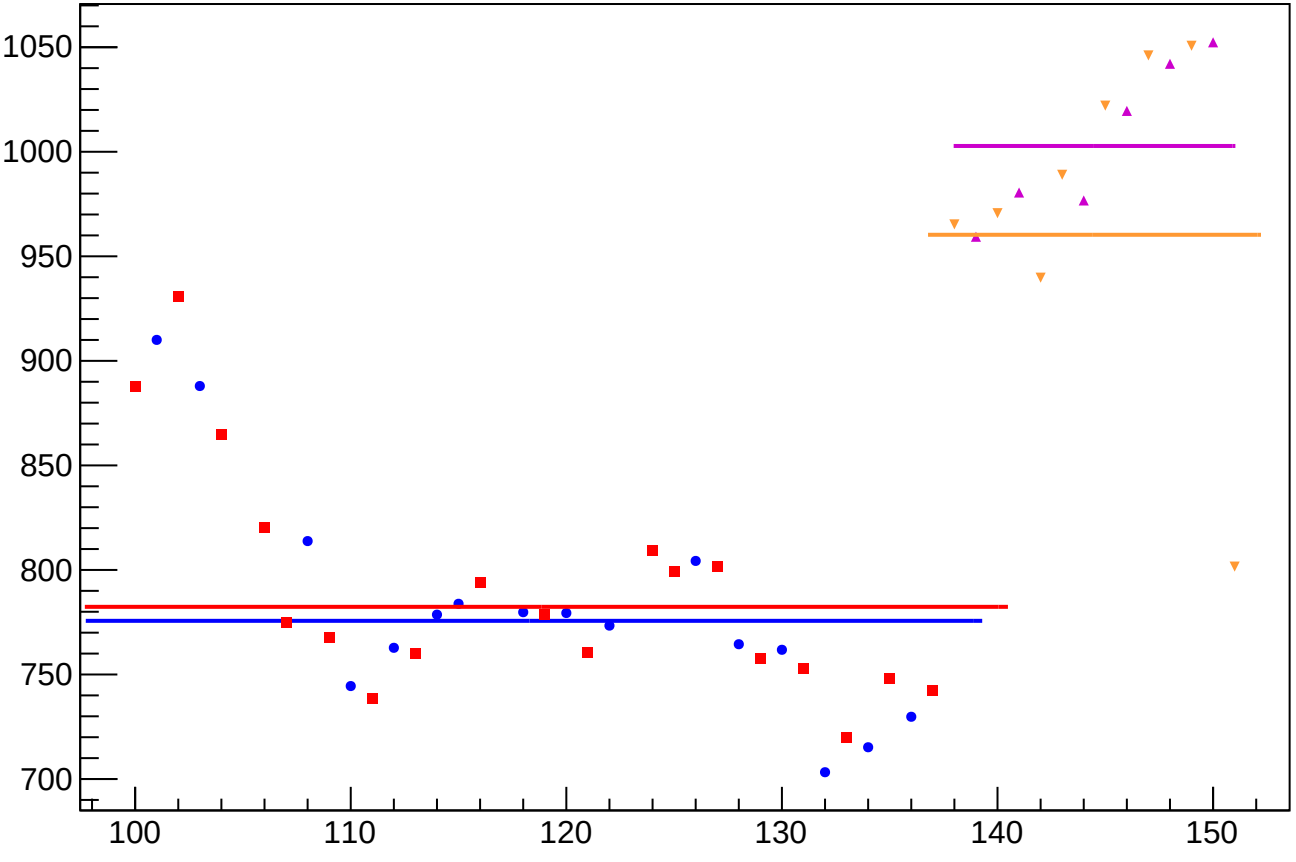
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 11.997+/-0.241 χ^2/NDF:24704.3/21

Out: -7.020+/-0.230 χ^2/NDF:17996.0/26

All: 2.044+/-0.166 χ^2/NDF: 45957.5/48

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 960.300+/-0.274 χ^2/NDF:97592.6/7

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 1002.776+/-0.309 χ^2/NDF:12504.2/5

Left: 978.969+/-0.205 χ^2/NDF: 120669.2/13

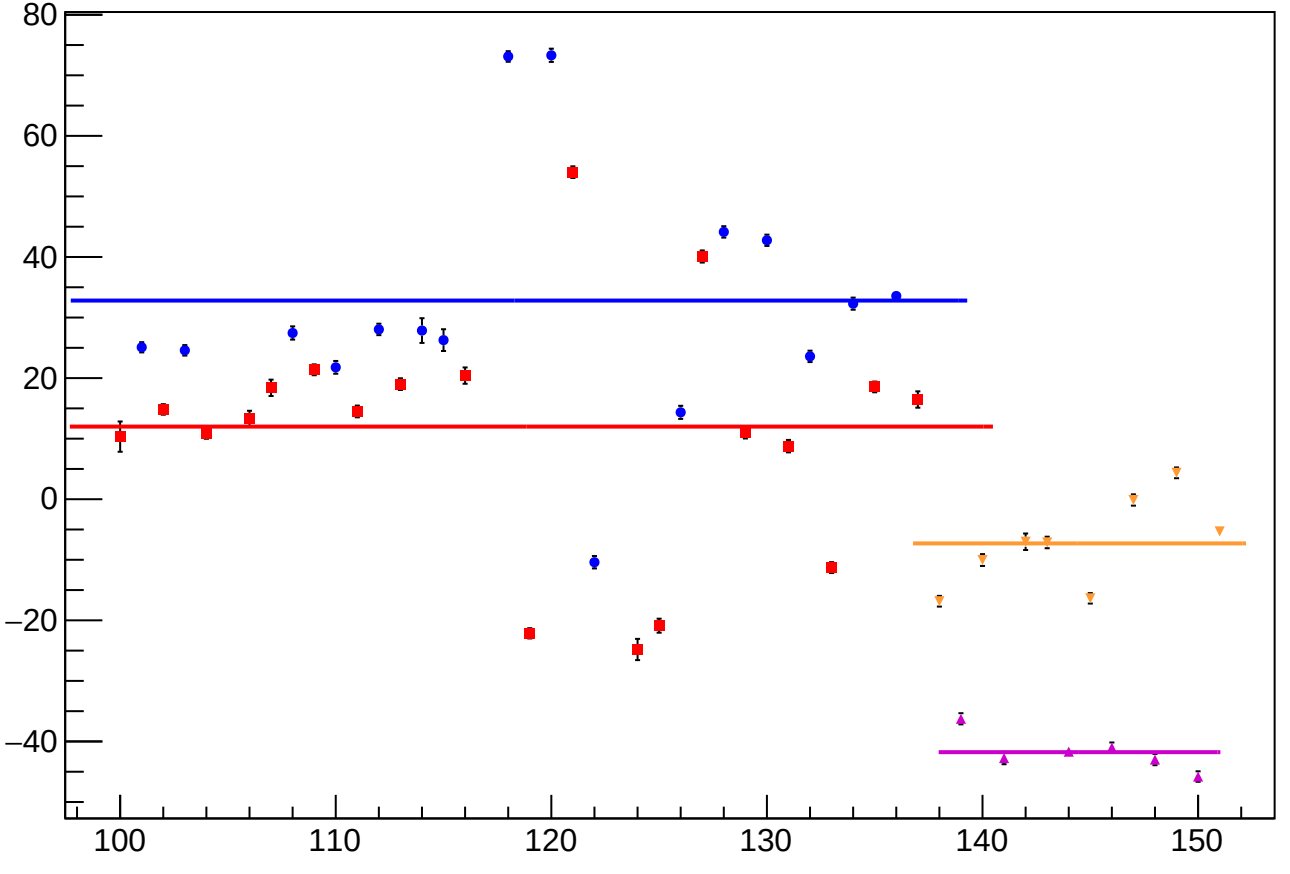
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 844.658+/-0.170 χ^2/NDF:462622.9/21

Out: 845.137+/-0.163 χ^2/NDF:435381.4/26

All: 844.908+/-0.118 χ^2/NDF: 898008.5/48

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.296+/-0.320 χ^2/NDF:473.2/7

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -41.768+/-0.363 χ^2/NDF:60.8/5

Left: -22.335+/-0.240 χ^2/NDF: 5611.8/13

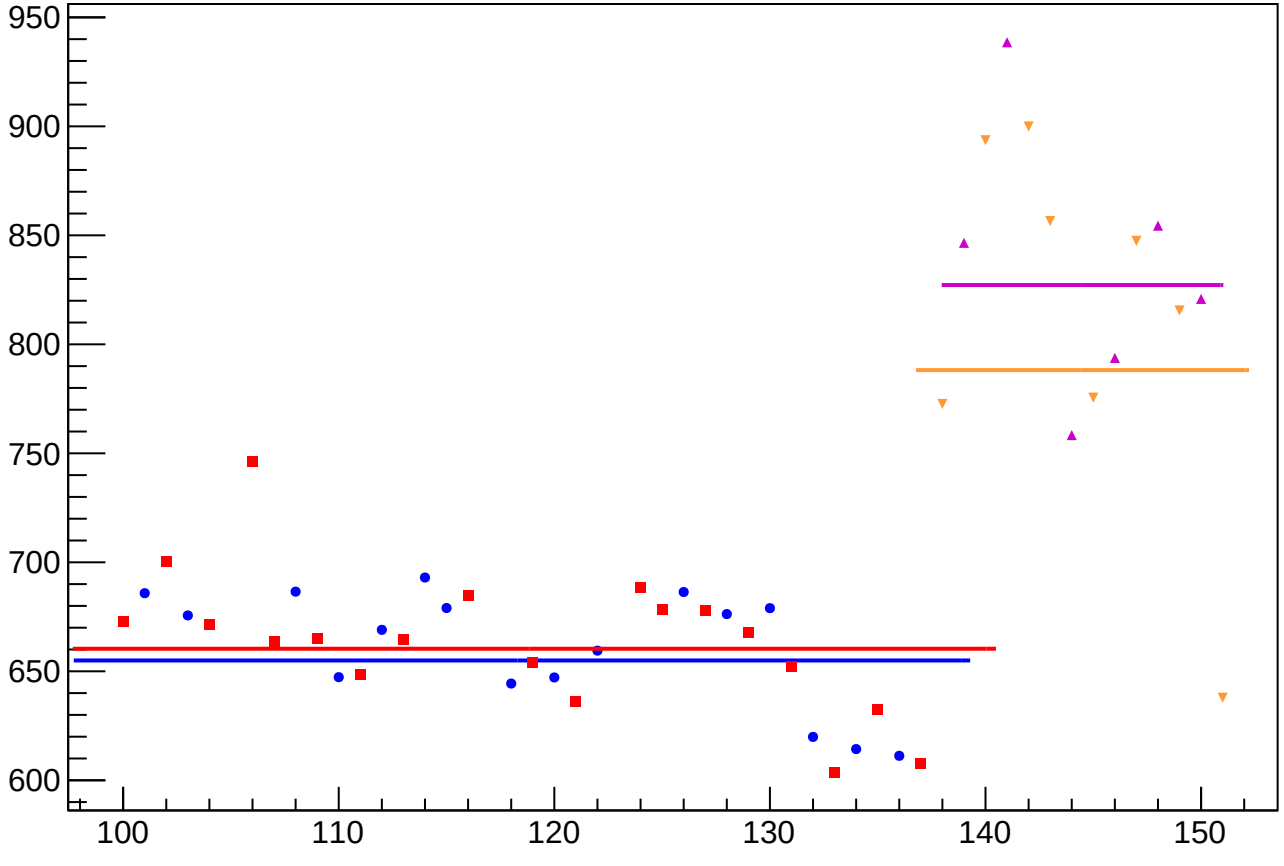
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 9.678+/-0.202 χ^2/NDF:35400.8/21

Out: 4.994+/-0.192 χ^2/NDF:9355.1/26

All: 7.220+/-0.139 χ^2/NDF: 45037.3/48

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 788.170+/-0.226 χ^2/NDF:151929.6/7

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 827.199+/-0.257 χ^2/NDF:44303.7/5

Left: 805.197+/-0.170 χ^2/NDF: 209251.3/13

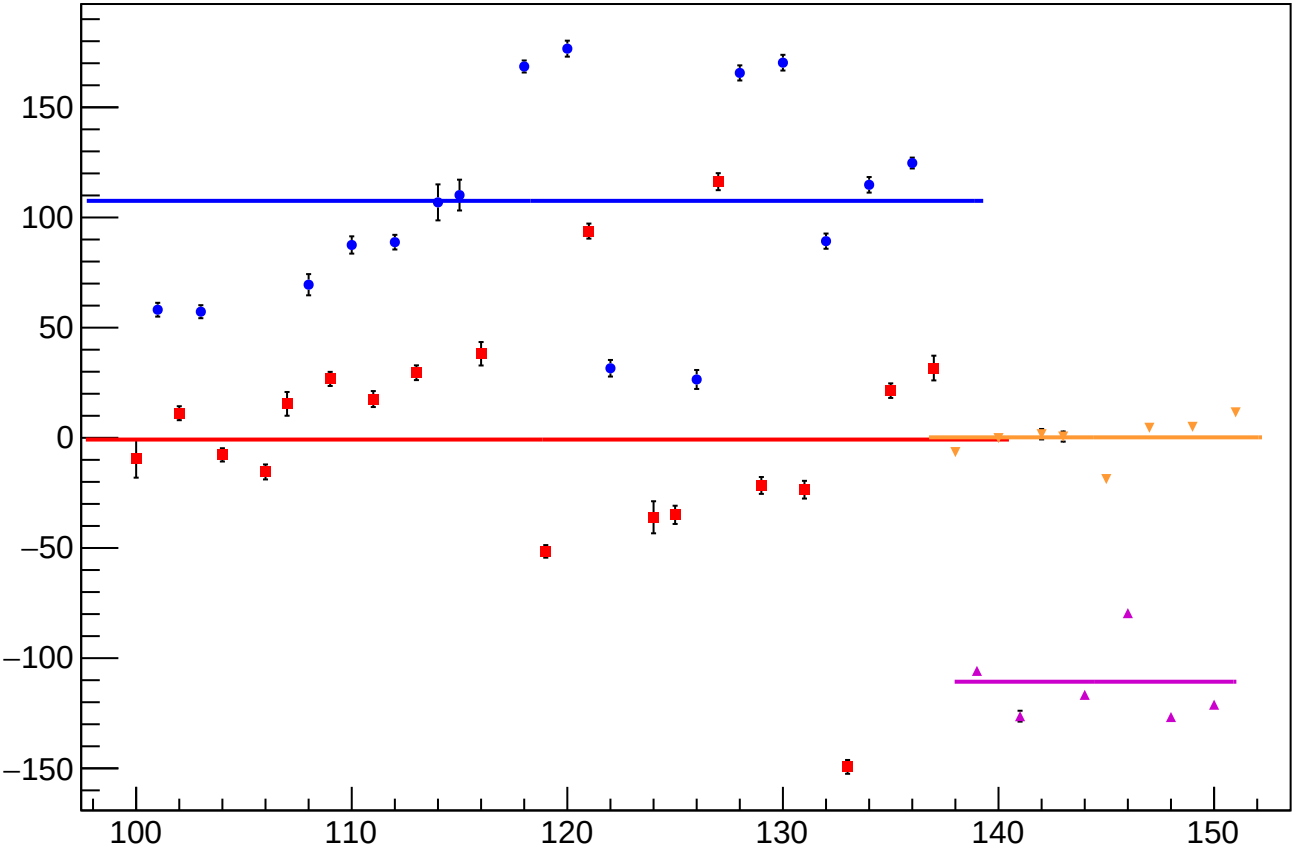
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 708.380+/-0.143 χ^2/NDF:381290.4/21

Out: 706.733+/-0.136 χ^2/NDF:386257.3/26

All: 707.516+/-0.099 χ^2/NDF: 767617.3/48

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 0.213+/-0.712 χ^2/NDF:149.0/7

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -110.693+/-0.755 χ^2/NDF:537.8/5

Left: -52.045+/-0.518 χ^2/NDF: 12104.1/13

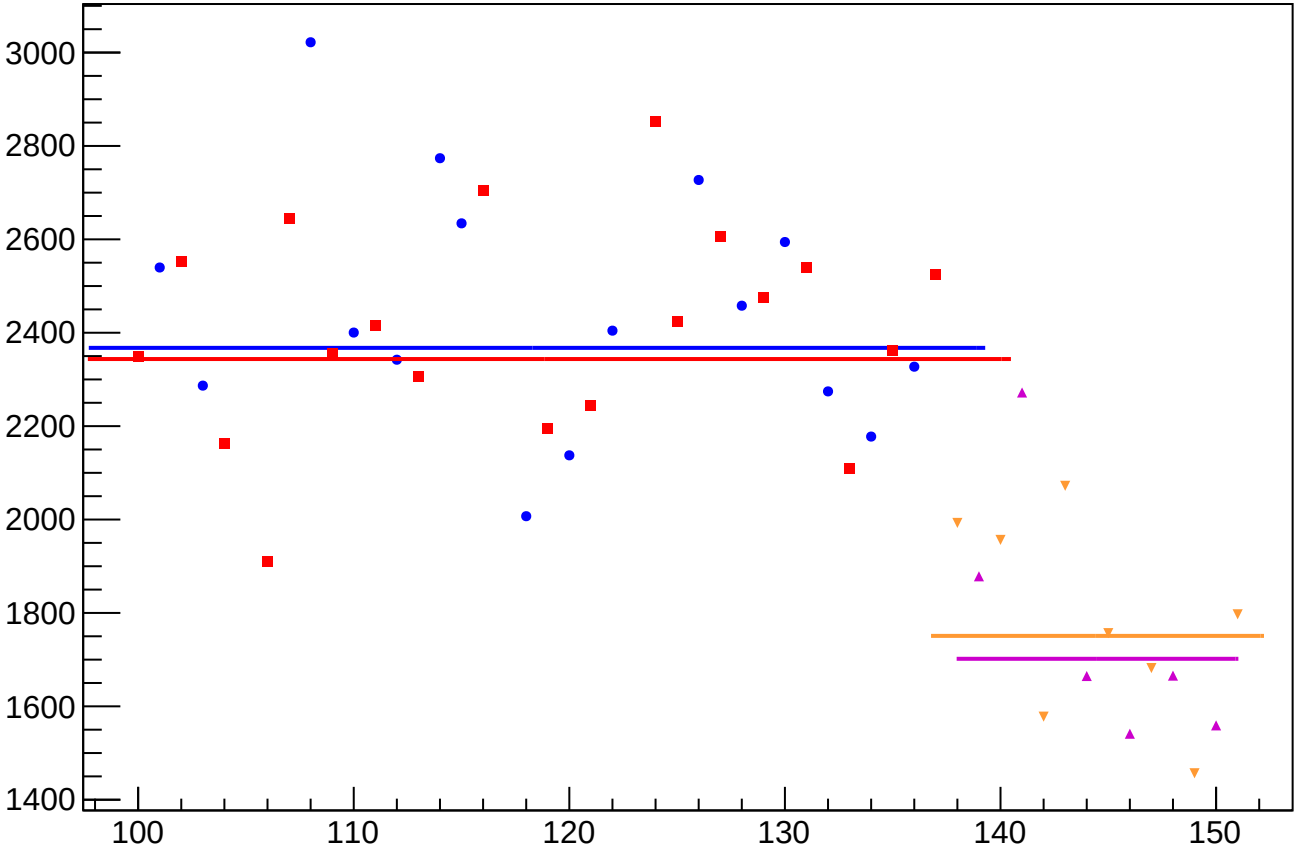
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -18.836+/-0.574 χ^2/NDF:38682.8/21

Out: -0.194+/-0.549 χ^2/NDF:4913.7/26

All: -9.092+/-0.397 χ^2/NDF: 44147.1/48

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1750.866+/-0.504 χ^2/NDF:162318.4/7

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1701.793+/-0.534 χ^2/NDF:157689.0/5

Left: 1727.743+/-0.366 χ^2/NDF: 324478.1/13

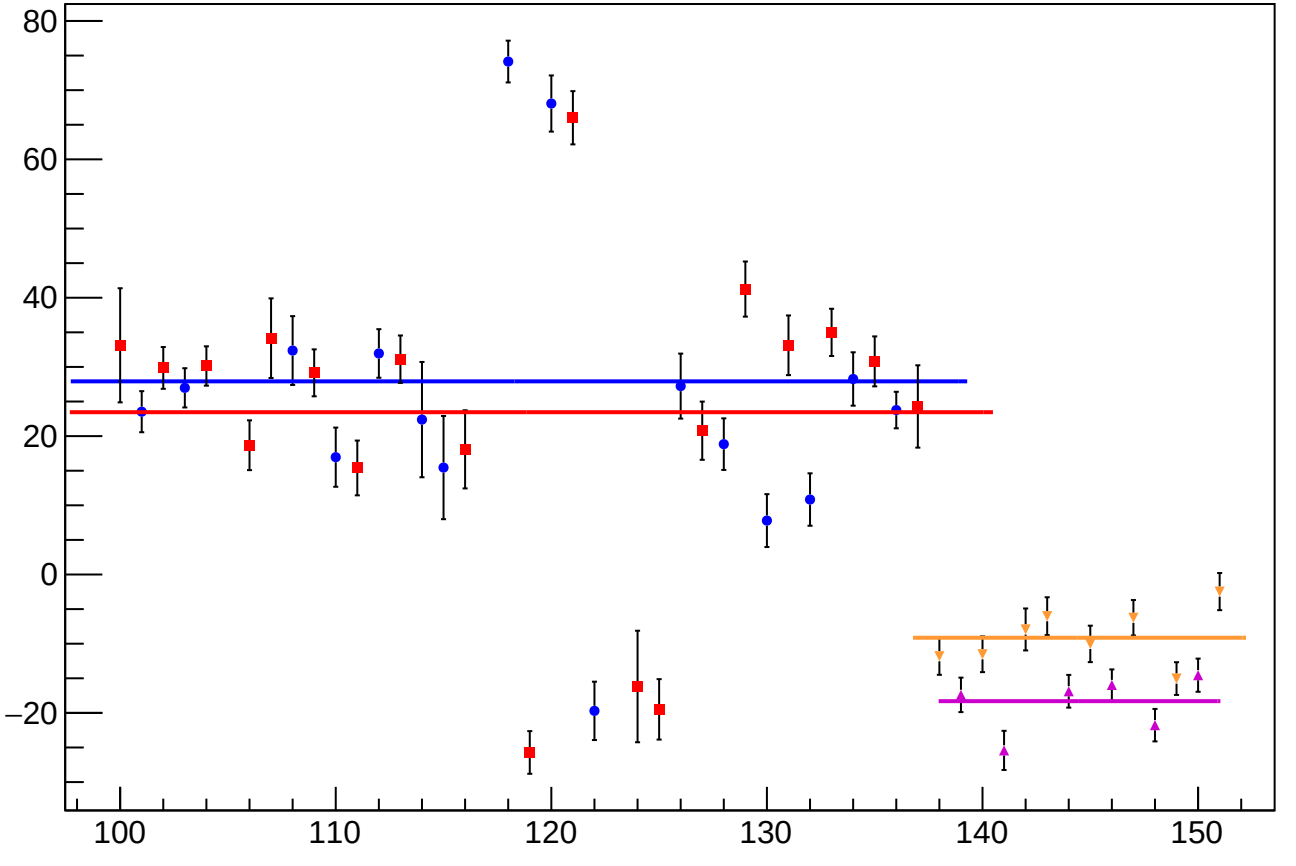
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 1982.044+/-0.406 χ^2/NDF:939552.4/21

Out: 1991.881+/-0.388 χ^2/NDF:837537.2/26

All: 1987.186+/-0.281 χ^2/NDF: 1777396.3/48

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.137+/-0.934 χ^2/NDF:17.1/7

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -18.304+/-0.991 χ^2/NDF:12.6/5

Left: -13.452+/-0.680 χ^2/NDF: 75.0/13

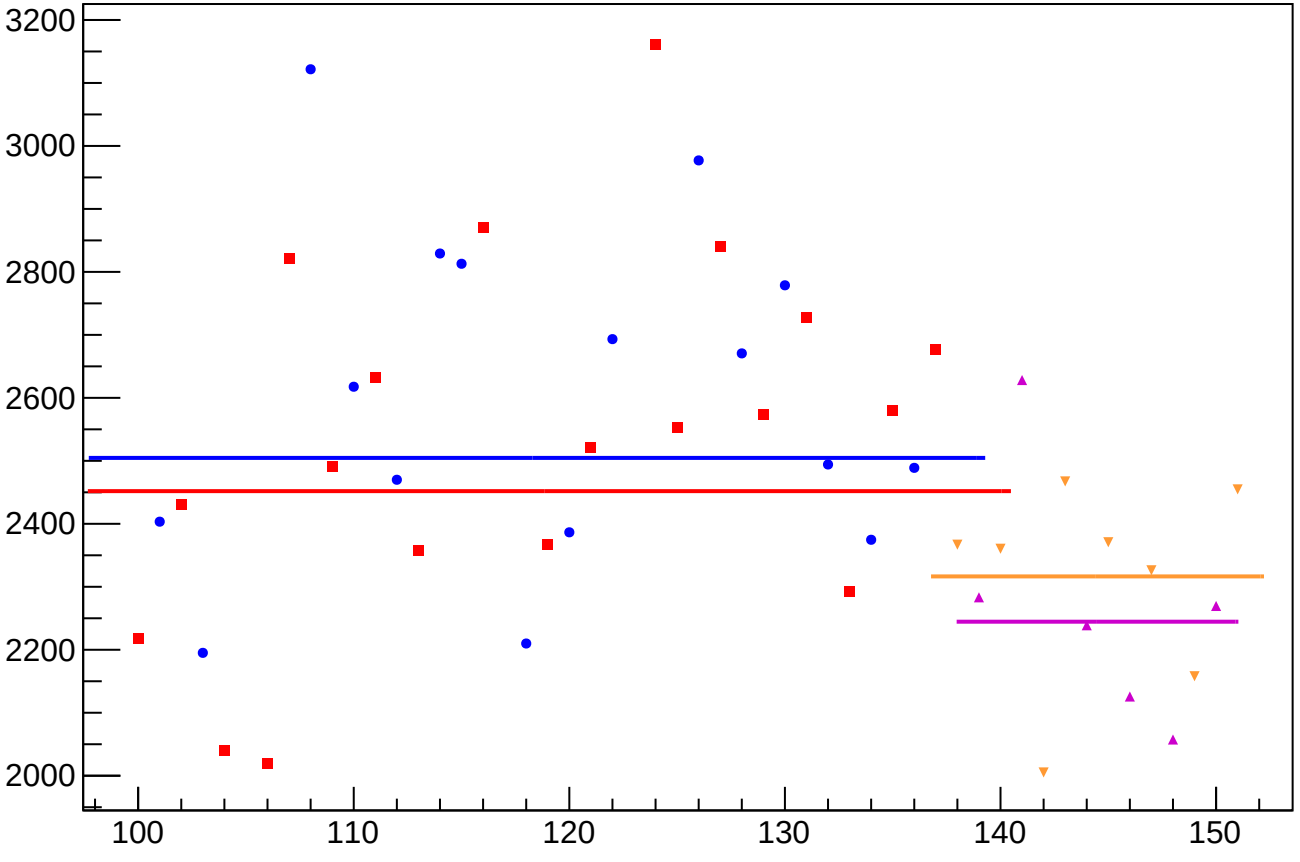
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.098+/-0.681 χ^2/NDF:1692.4/21

Out: 7.722+/-0.649 χ^2/NDF:1214.5/26

All: 6.949+/-0.470 χ^2/NDF: 2909.9/48

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2316.476+/-0.661 χ^2/NDF:43640.1/7

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2244.568+/-0.701 χ^2/NDF:55812.7/5

Left: 2282.626+/-0.481 χ^2/NDF: 105029.7/13

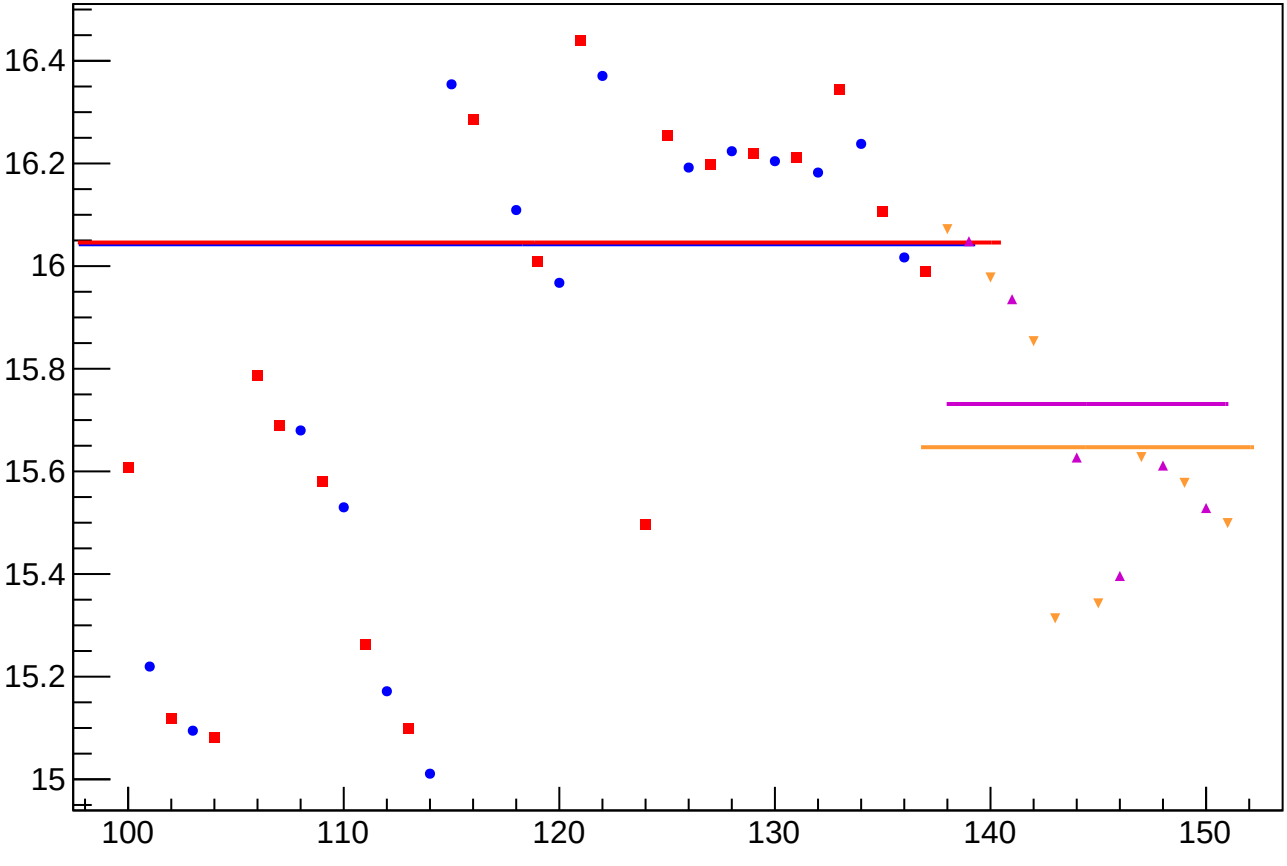
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2381.881+/-0.481 χ^2/NDF:255188.6/21

Out: 2386.513+/-0.459 χ^2/NDF:218604.4/26

All: 2384.307+/-0.332 χ^2/NDF: 473841.5/48

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.647+/-0.000 χ^2/NDF:4381803847.2/7

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.731+/-0.000 χ^2/NDF:1910424604.3/5

Left: 15.683+/-0.000 χ^2/NDF: 6445639172.0/13

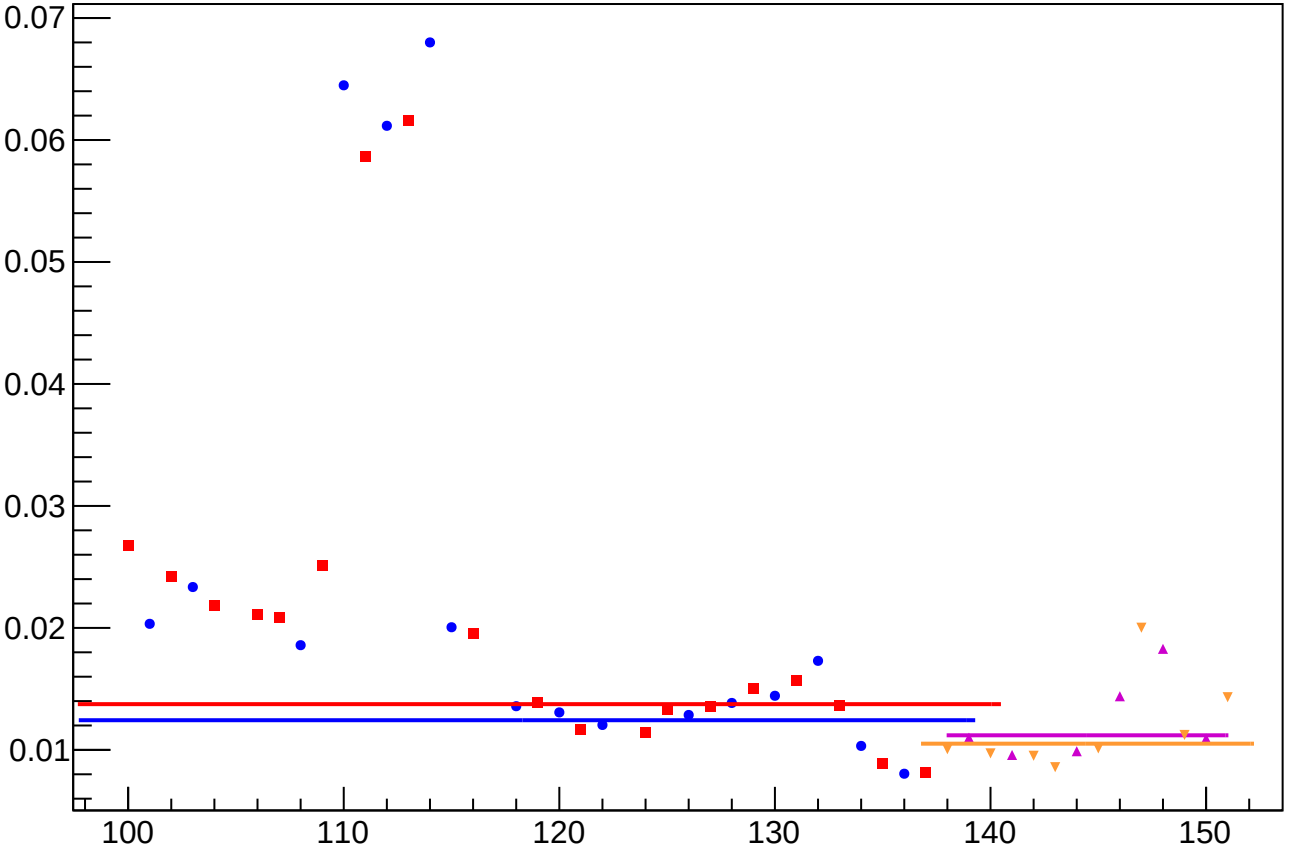
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.882+/-0.000 χ^2/NDF:6530214517.9/21

Out: 15.796+/-0.000 χ^2/NDF:10929749942.0/26

All: 15.837+/-0.000 χ^2/NDF: 17742522984.7

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:579026.6/7

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:395274.1/5

Left: 0.011+/-0.000 χ^2/NDF: 994712.6/13

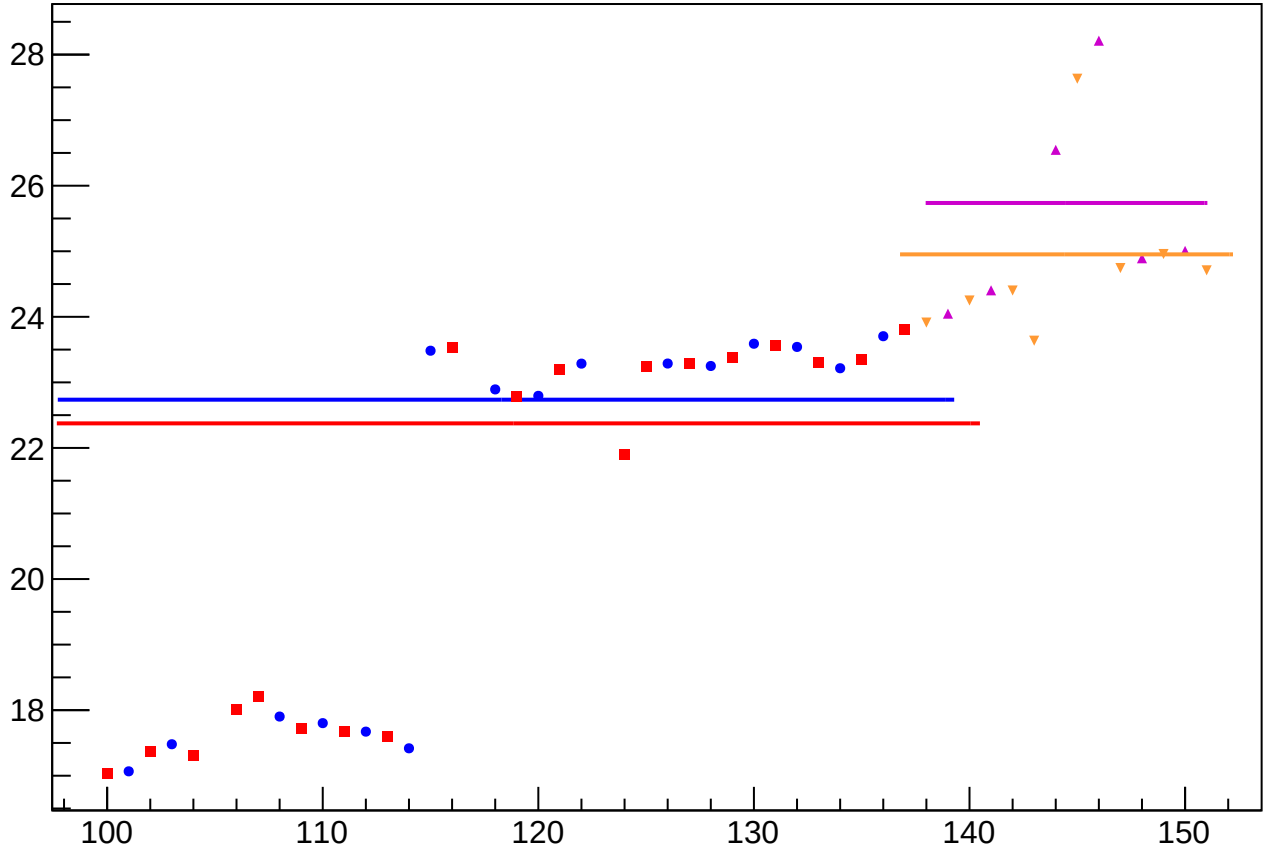
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2768246.5/21

Out: 0.012+/-0.000 χ^2/NDF:3205245.7/26

All: 0.012+/-0.000 χ^2/NDF: 5973905.2/48

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.953+/-0.000 χ^2/NDF:762642326.4/7

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.737+/-0.000 χ^2/NDF:600506978.0/5

Left: 25.295+/-0.000 χ^2/NDF: 1471656047.8/13

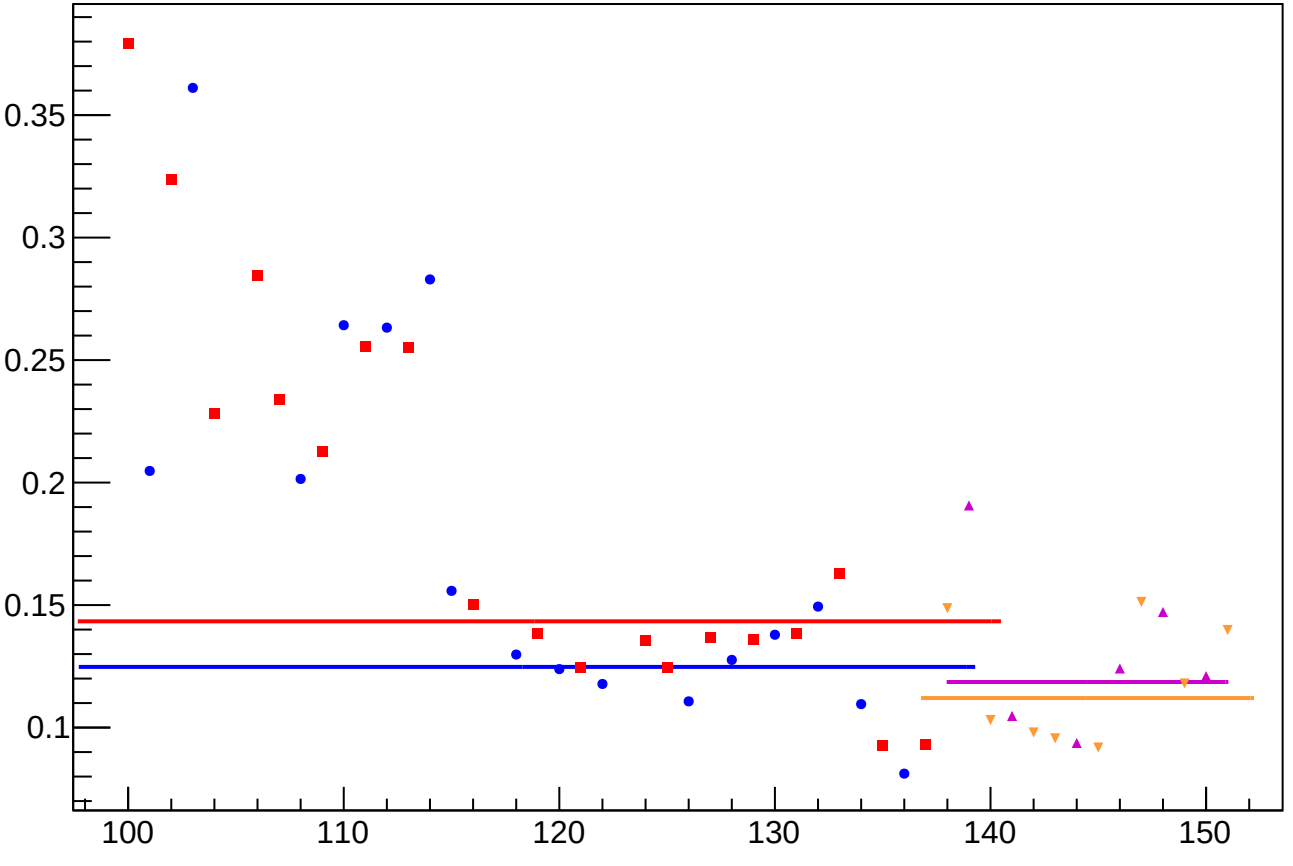
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.167+/-0.000 χ^2/NDF:3296260985.3/21

Out: 23.900+/-0.000 χ^2/NDF:3077347773.0/26

All: 24.031+/-0.000 χ^2/NDF: 6397514503.7/4

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.112+/-0.000 χ^2/NDF:376773.8/7

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.119+/-0.000 χ^2/NDF:430712.6/5

Left: 0.115+/-0.000 χ^2/NDF: 822687.2/13

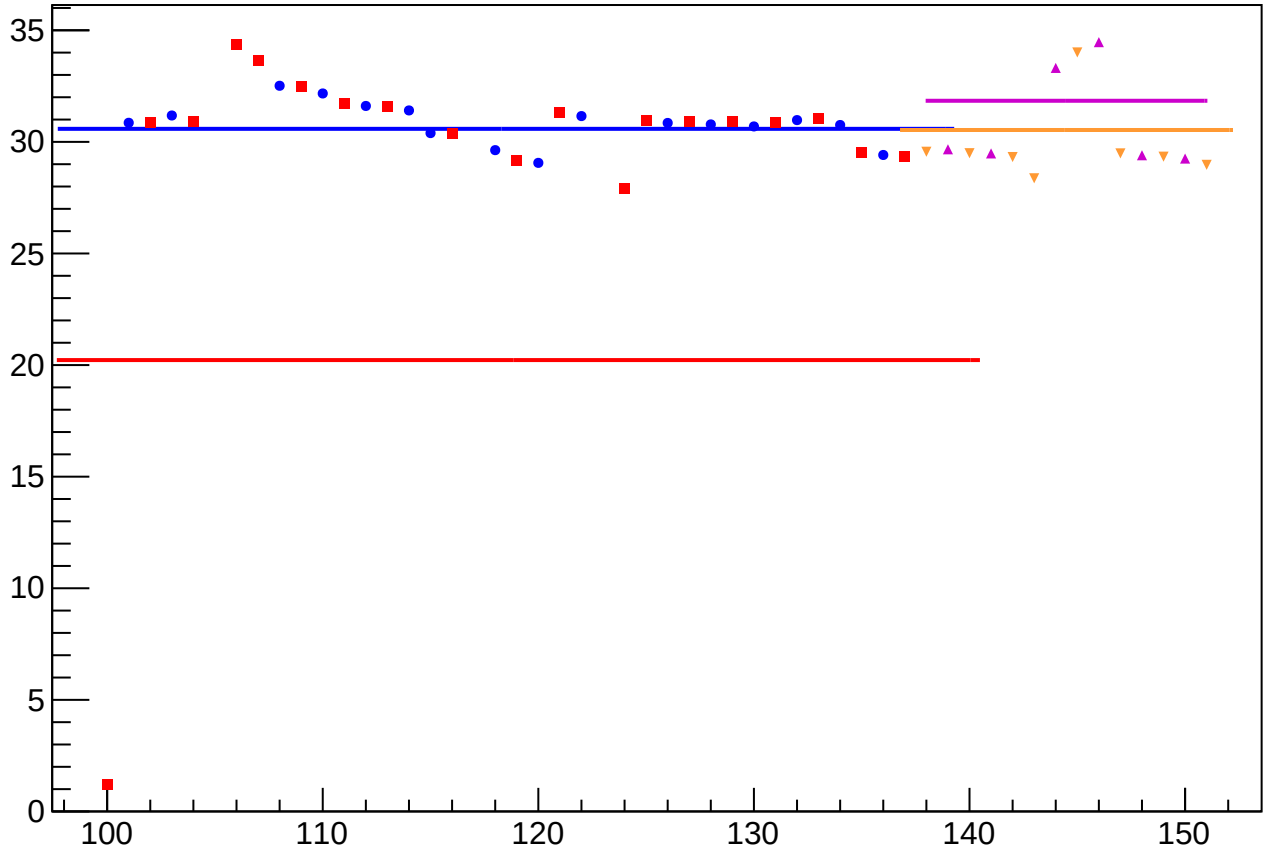
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.122+/-0.000 χ^2/NDF:2192947.5/21

Out: 0.125+/-0.000 χ^2/NDF:2271342.3/26

All: 0.123+/-0.000 χ^2/NDF: 4470368.1/48

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.533+/-0.000 χ^2/NDF:4830039441.8/7

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.842+/-0.000 χ^2/NDF:4834593178.8/5

Left: 31.172+/-0.000 χ^2/NDF: 10497949571.4/13

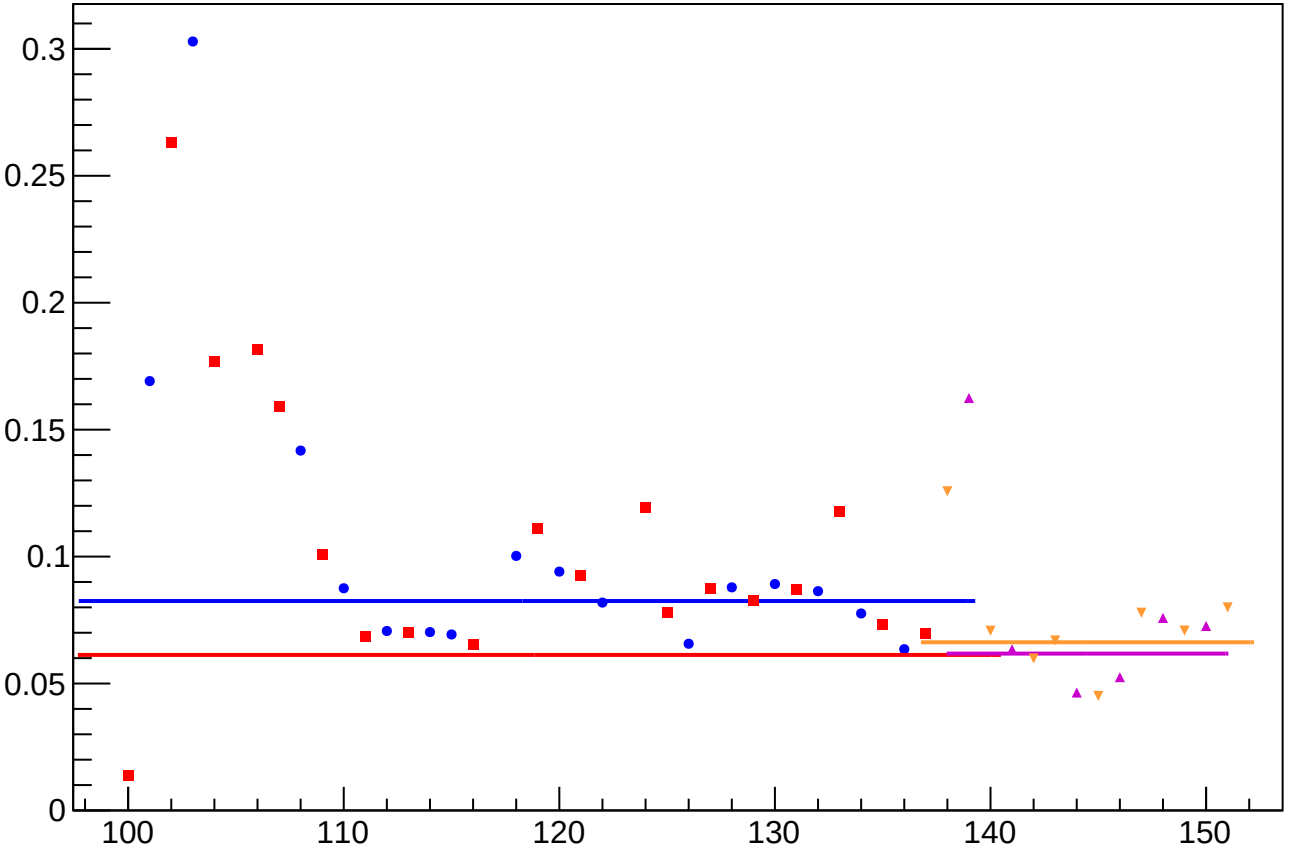
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.278+/-0.000 χ^2/NDF:6161381114.4/21

Out: 25.149+/-0.000 χ^2/NDF:281340640786.6/26

All: 27.924+/-0.000 χ^2/NDF: 322931553610.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.066+/-0.000 χ^2/NDF:629617.0/7

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.062+/-0.000 χ^2/NDF:889589.8/5

Left: 0.064+/-0.000 χ^2/NDF: 1538527.0/13

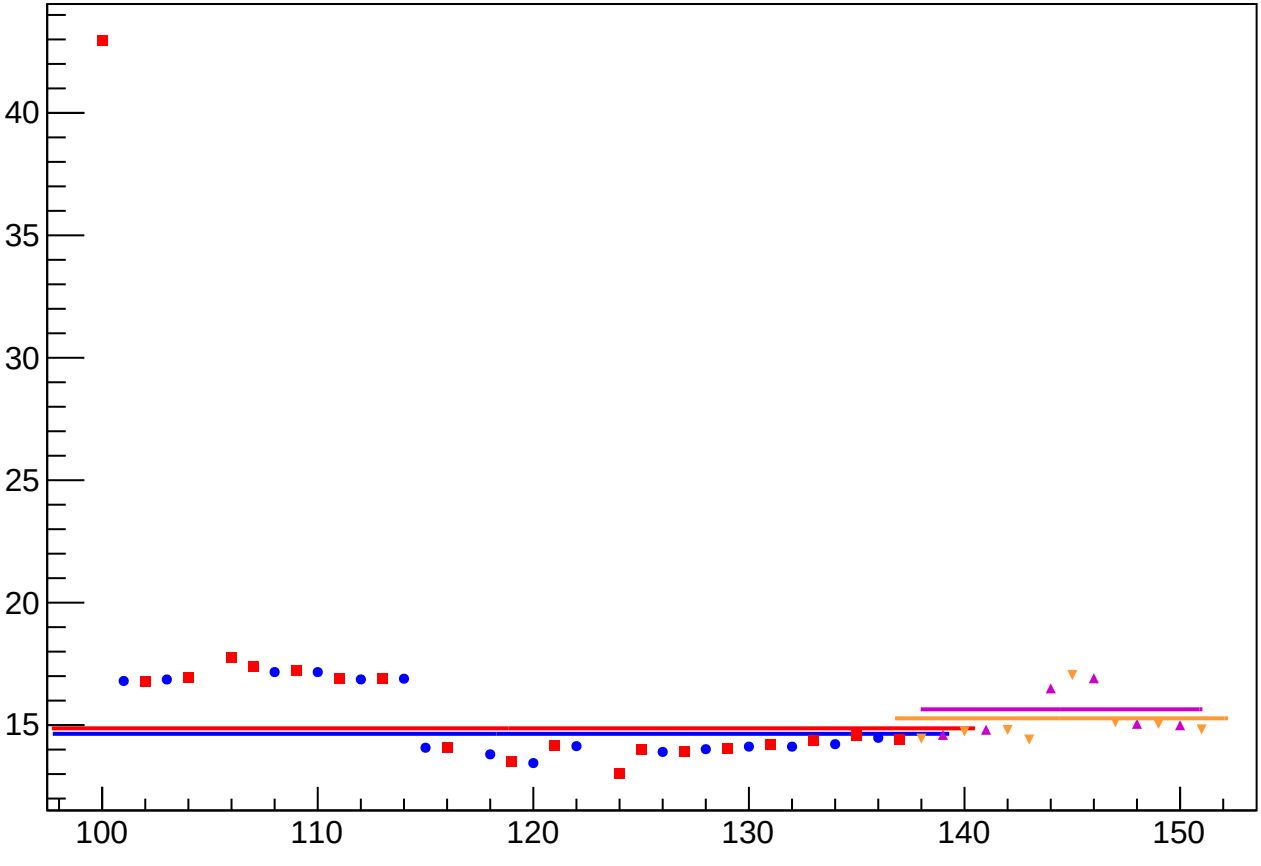
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2516697.3/21

Out: 0.064+/-0.000 χ^2/NDF:4669789.6/26

All: 0.067+/-0.000 χ^2/NDF: 7290977.3/48

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.276+/-0.000 χ^2/NDF:943776557.2/7

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.645+/-0.000 χ^2/NDF:663724810.8/5

Left: 15.441+/-0.000 χ^2/NDF: 1670892028.4/13

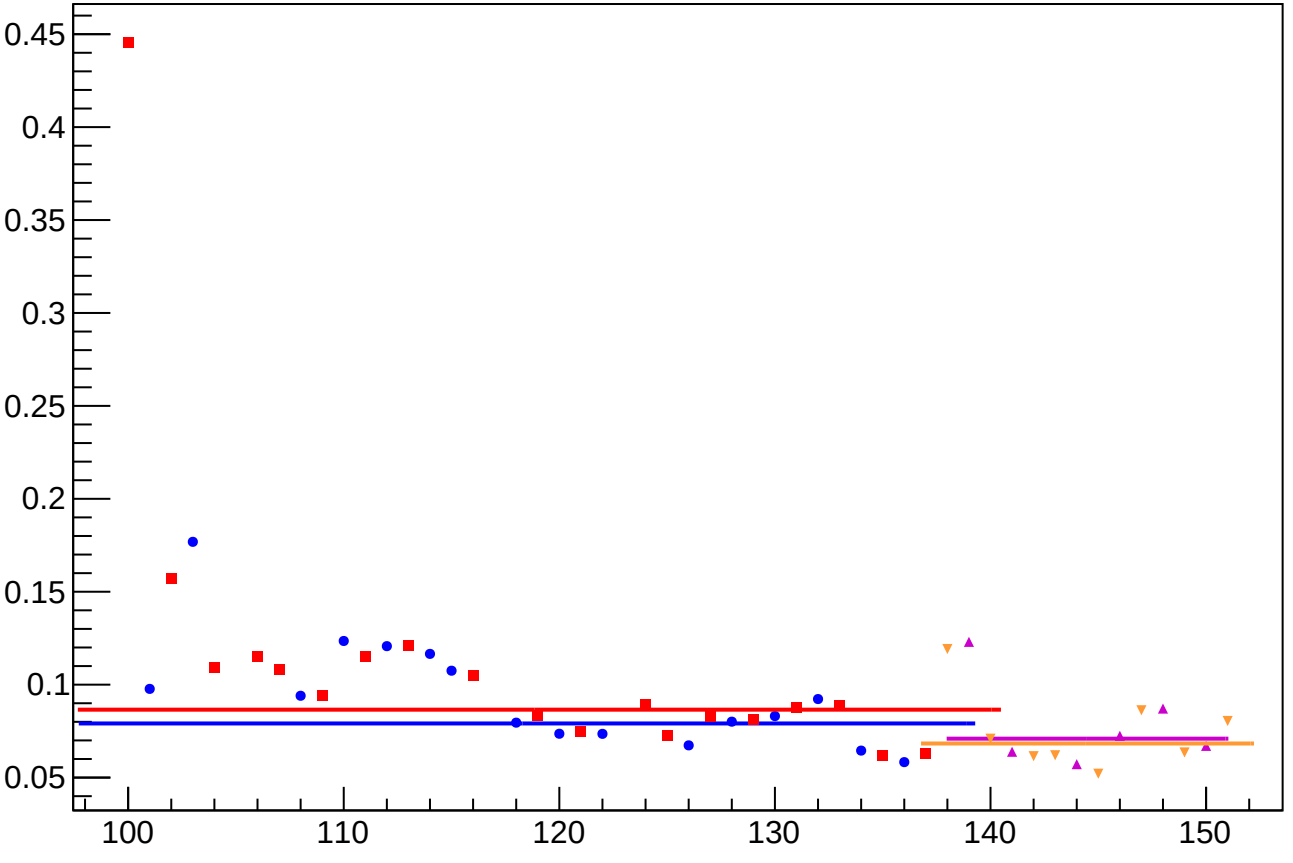
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.117+/-0.000 χ^2/NDF:2301734052.8/21

Out: 15.096+/-0.000 χ^2/NDF:2749922004.3/26

All: 15.106+/-0.000 χ^2/NDF: 5052077295.7/4

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:508538.9/7

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.071+/-0.000 χ^2/NDF:446474.3/5

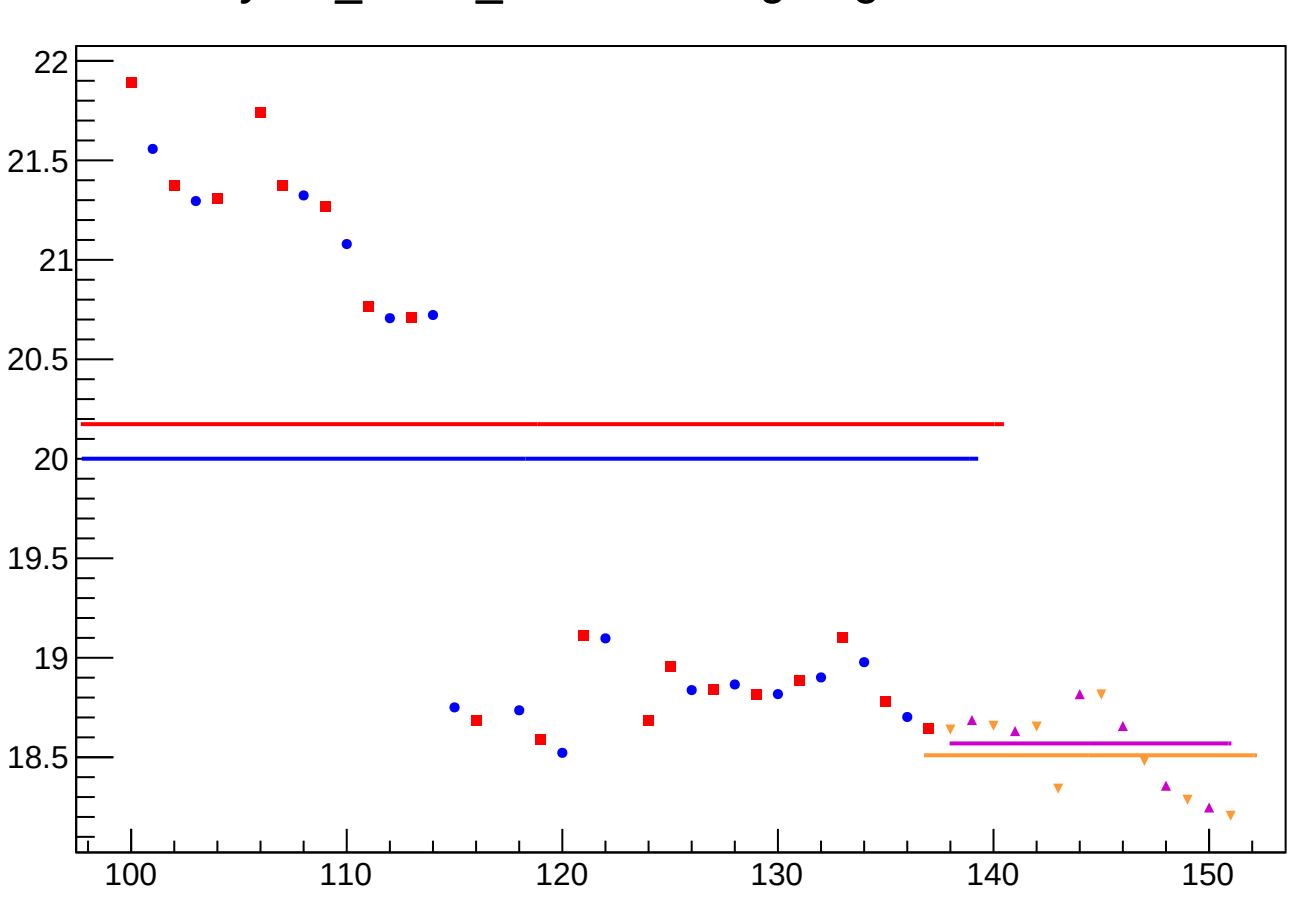
Left: 0.070+/-0.000 χ^2/NDF: 961322.0/13

Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.075+/-0.000 χ^2/NDF:1424020.4/21

Out: 0.076+/-0.000 χ^2/NDF:1605702.8/26

All: 0.076+/-0.000 χ^2/NDF: 3031984.2/48



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.510+/-0.000 χ^2/NDF:242221796.5/7

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.569+/-0.000 χ^2/NDF:191956946.1/5

Left: 18.537+/-0.000 χ^2/NDF: 442392247.9/13

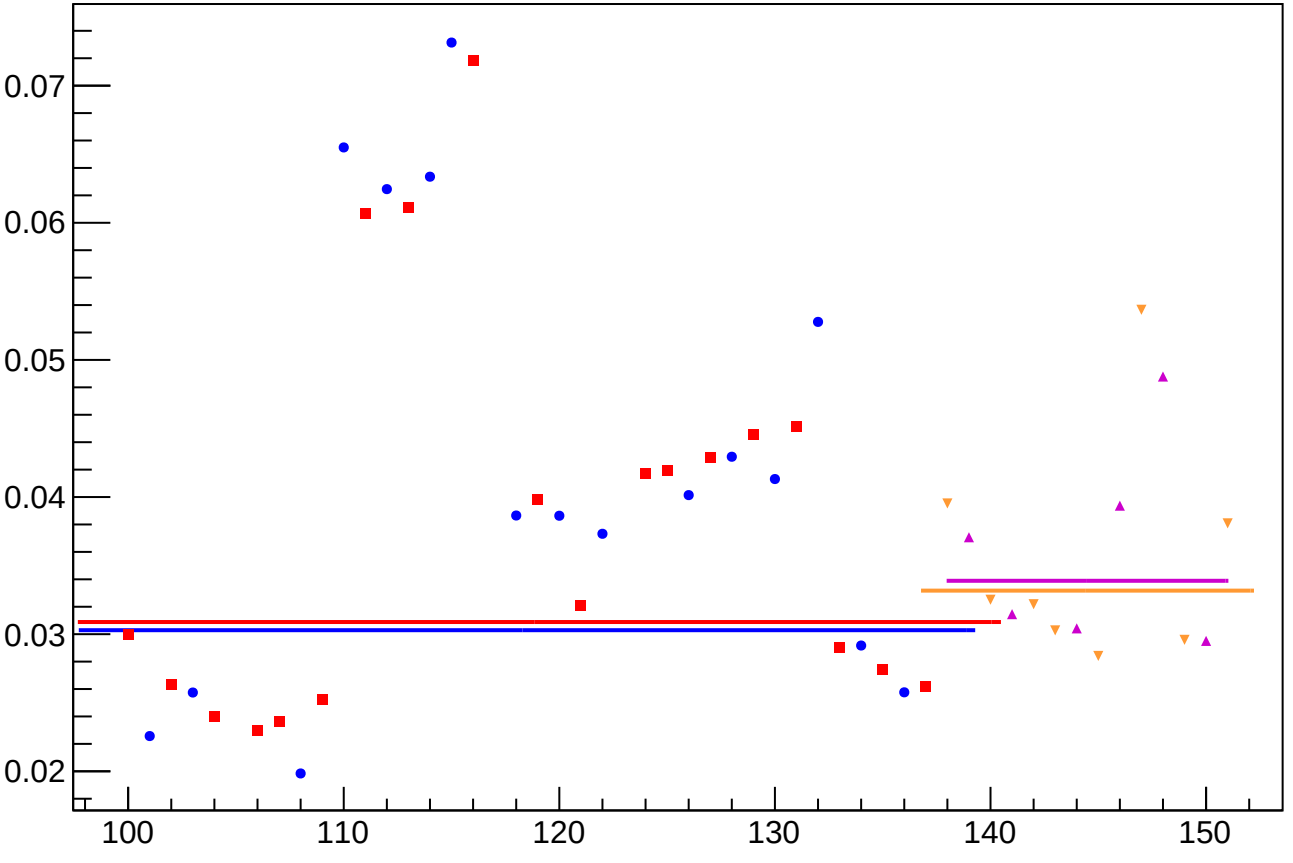
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.436+/-0.000 χ^2/NDF:16317516812.8/21

Out: 19.437+/-0.000 χ^2/NDF:18661071196.8/26

All: 19.437+/-0.000 χ^2/NDF: 34978594210.4

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:381020.9/7

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.034+/-0.000 χ^2/NDF:261581.4/5

Left: 0.033+/-0.000 χ^2/NDF: 644994.6/13

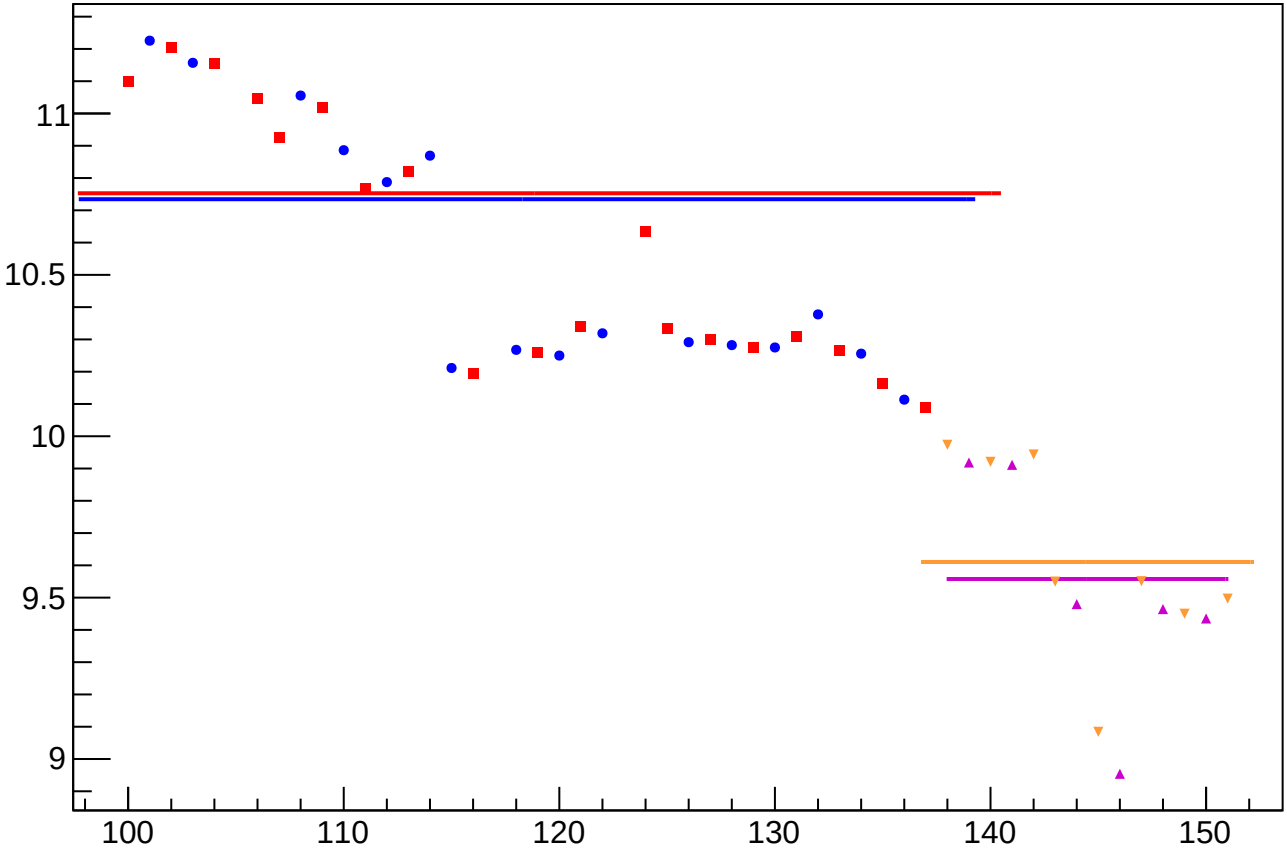
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.032+/-0.000 χ^2/NDF:1775461.1/21

Out: 0.032+/-0.000 χ^2/NDF:1616008.1/26

All: 0.032+/-0.000 χ^2/NDF: 3391872.5/48

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.610+/-0.000 χ^2/NDF:1157118018.8/7

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.558+/-0.000 χ^2/NDF:948531738.4/5

Left: 9.588+/-0.000 χ^2/NDF: 2122323812.3/13

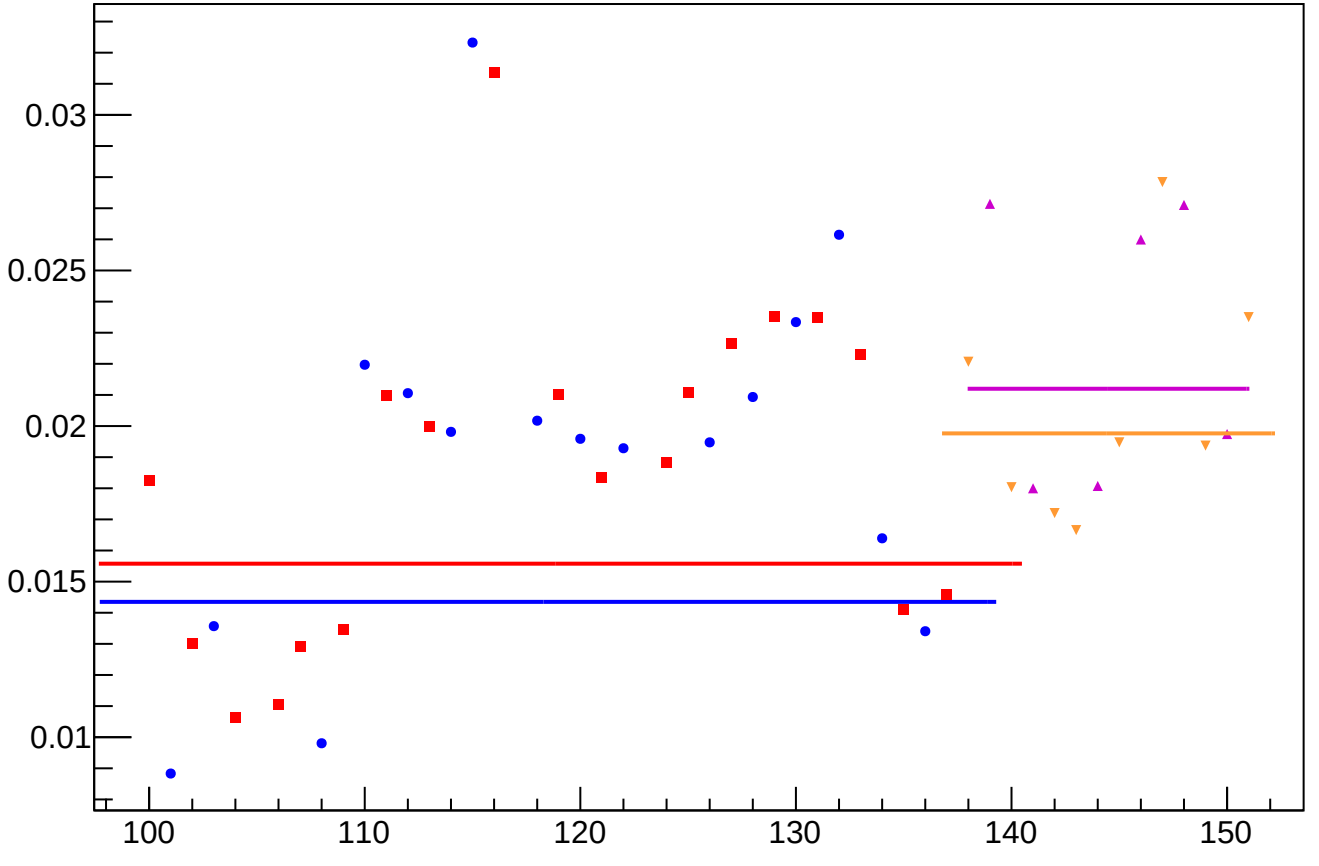
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.411+/-0.000 χ^2/NDF:17340286333.1/21

Out: 10.347+/-0.000 χ^2/NDF:17334438094.9/26

All: 10.378+/-0.000 χ^2/NDF: 34754461677.8

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:271571.1/7

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.021+/-0.000 χ^2/NDF:317283.8/5

Left: 0.020+/-0.000 χ^2/NDF: 613568.0/13

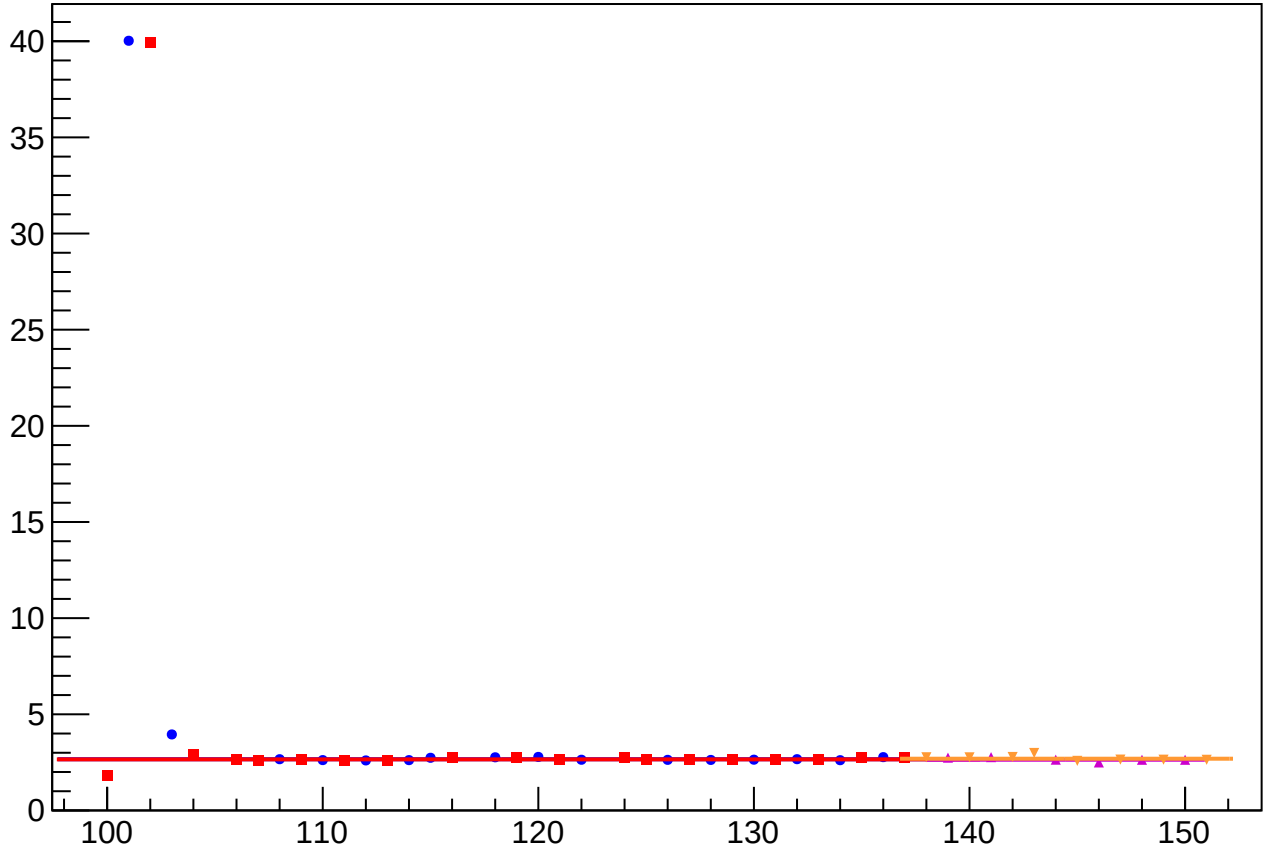
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.016+/-0.000 χ^2/NDF:2511456.0/21

Out: 0.017+/-0.000 χ^2/NDF:1661506.4/26

All: 0.017+/-0.000 χ^2/NDF: 4199857.2/48

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.690+/-0.000 χ^2/NDF:15023544235.5/7

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.637+/-0.000 χ^2/NDF:7319081884.5/5

Left: 2.665+/-0.000 χ^2/NDF: 23648945078.2/13

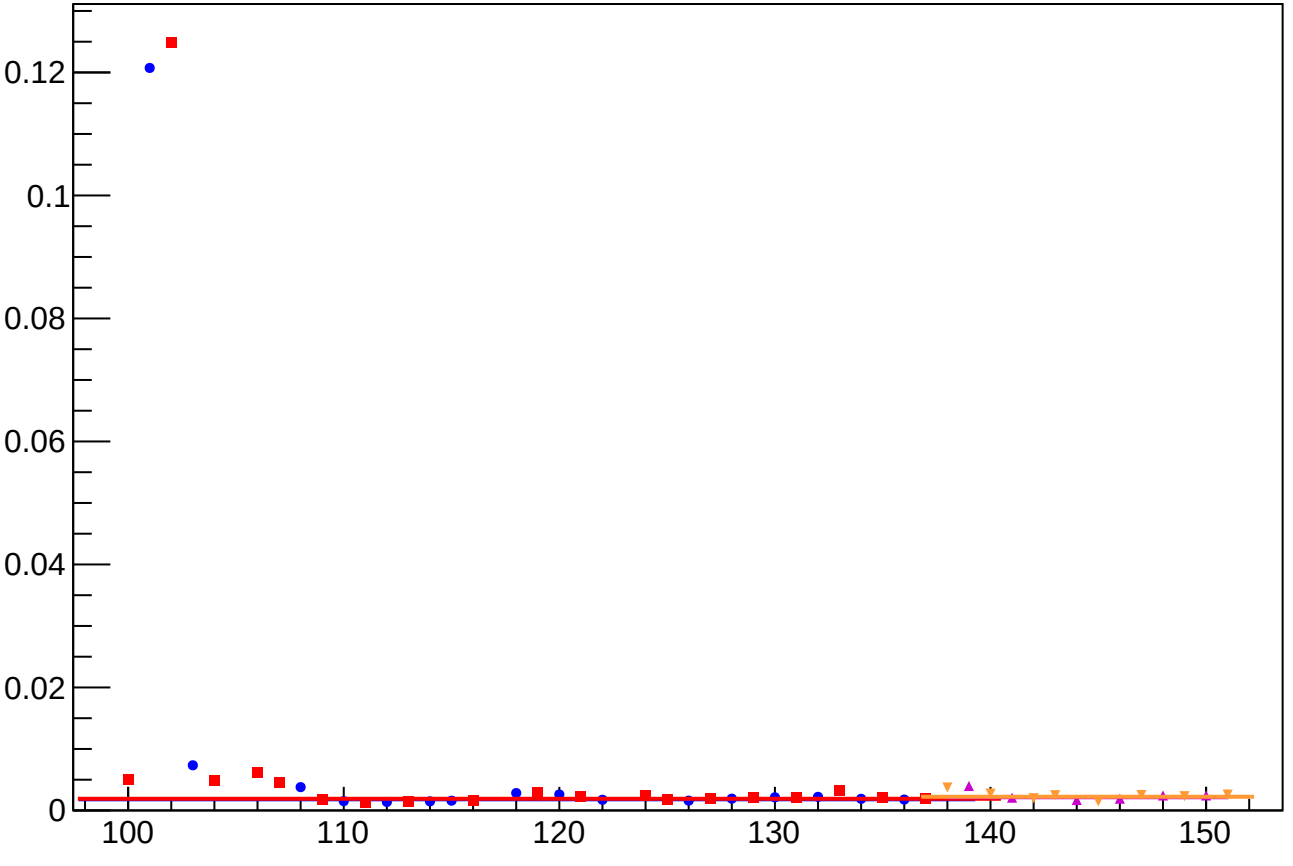
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.654+/-0.000 χ^2/NDF:75551106163.4/21

Out: 2.670+/-0.000 χ^2/NDF:80732058284.3/26

All: 2.662+/-0.000 χ^2/NDF: 156605898226.1

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:647486.4/7

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:498232.5/5

Left: 0.002+/-0.000 χ^2/NDF: 1151949.5/13

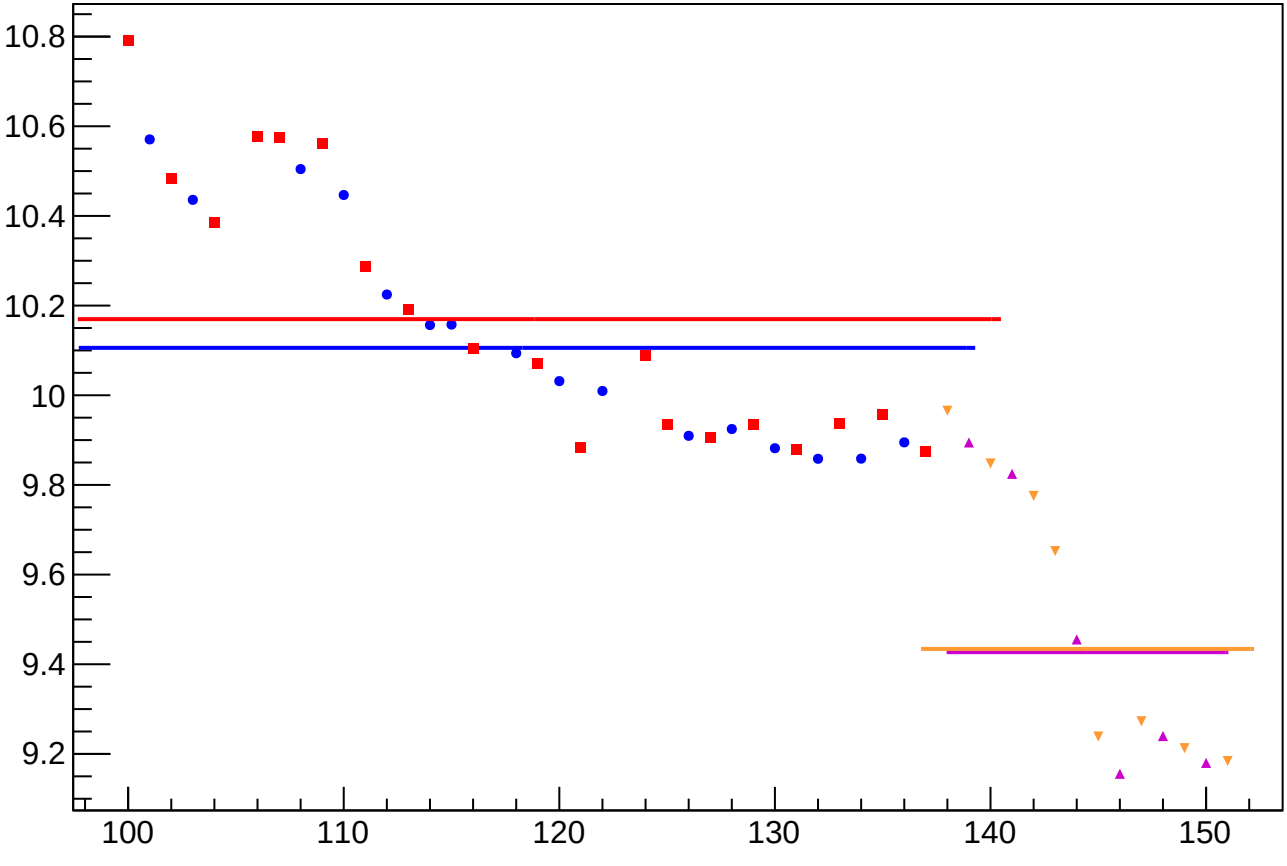
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2442484.2/21

Out: 0.002+/-0.000 χ^2/NDF:3296560.1/26

All: 0.002+/-0.000 χ^2/NDF: 5758716.3/48

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.434+/-0.000 χ^2/NDF:8348054839.3/7

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.427+/-0.000 χ^2/NDF:6987237089.7/5

Left: 9.431+/-0.000 χ^2/NDF: 15338077100.6/13

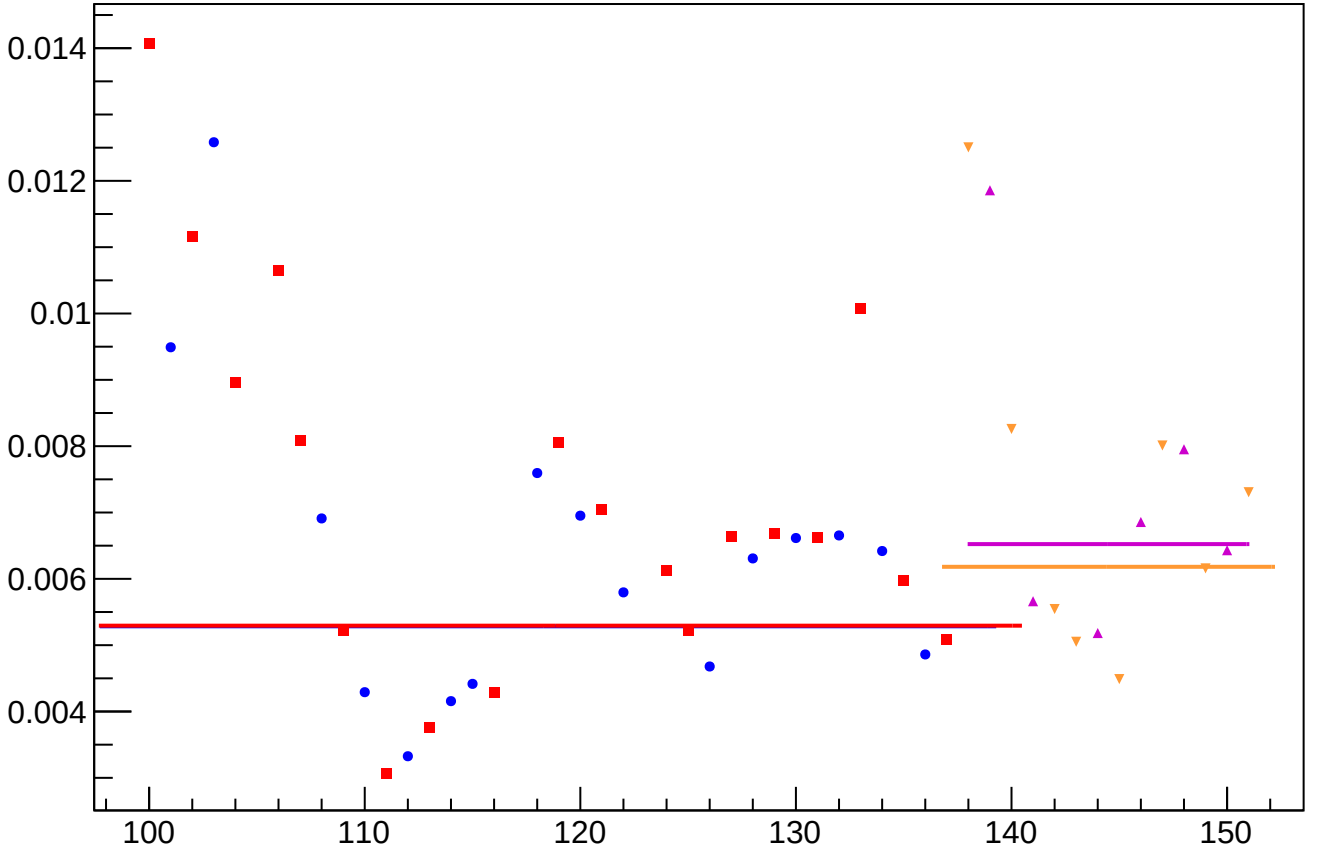
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.882+/-0.000 χ^2/NDF:45535162189.1/21

Out: 9.890+/-0.000 χ^2/NDF:57976632529.0/26

All: 9.886+/-0.000 χ^2/NDF: 103522744904.0

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:779988.6/7

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.007+/-0.000 χ^2/NDF:485884.6/5

Left: 0.006+/-0.000 χ^2/NDF: 1278351.2/13

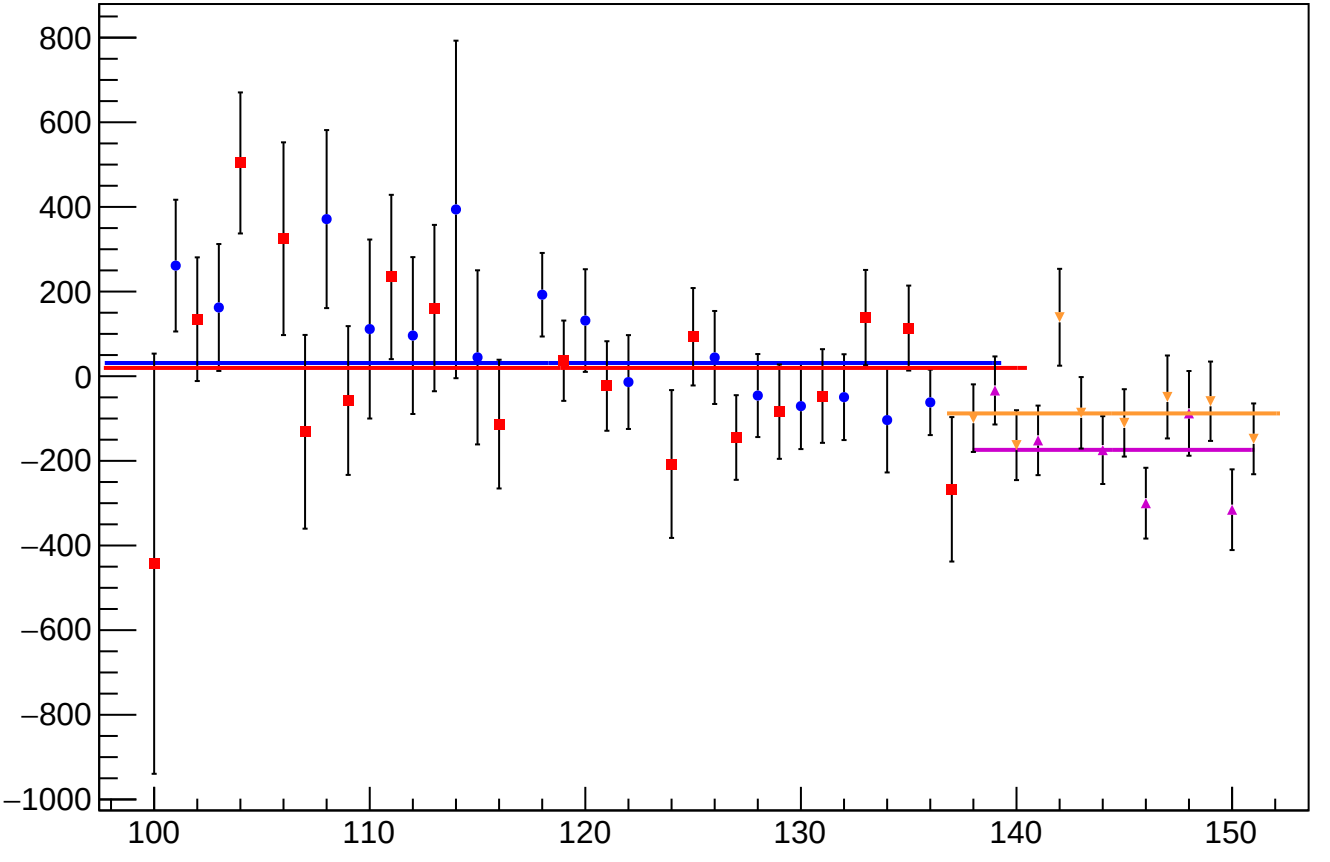
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:1956147.0/21

Out: 0.006+/-0.000 χ^2/NDF:2690124.2/26

All: 0.006+/-0.000 χ^2/NDF: 4647443.0/48

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -87.921+/-31.026 χ^2/NDF:5.6/7

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -174.023+/-35.110 χ^2/NDF:8.3/5

Left: -125.676+/-23.249 χ^2/NDF: 17.3/13

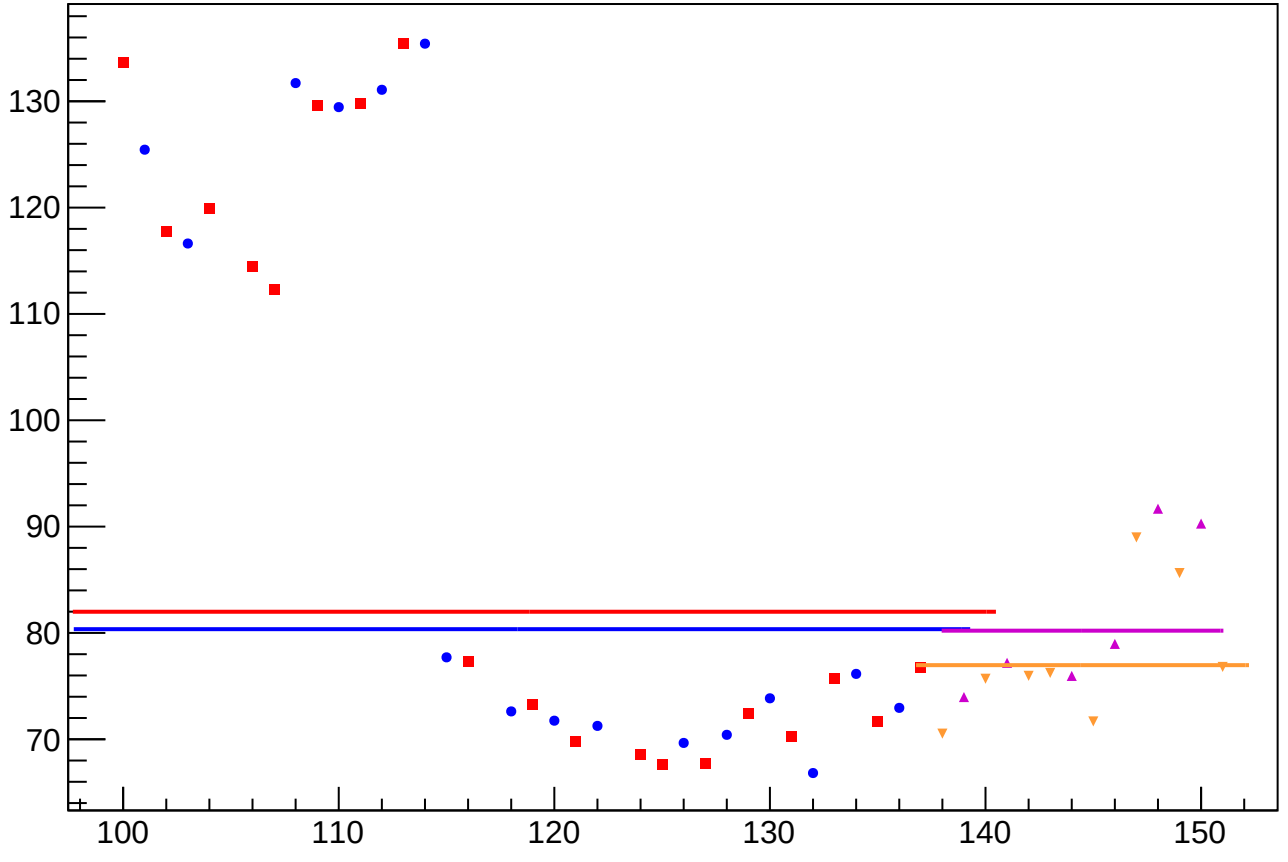
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -57.977+/-23.148 χ^2/NDF:42.7/21

Out: -34.231+/-21.950 χ^2/NDF:37.5/26

All: -45.474+/-15.928 χ^2/NDF: 80.8/48

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 76.970+/-0.022 χ^2/NDF:69766.6/7

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 80.213+/-0.025 χ^2/NDF:69425.8/5

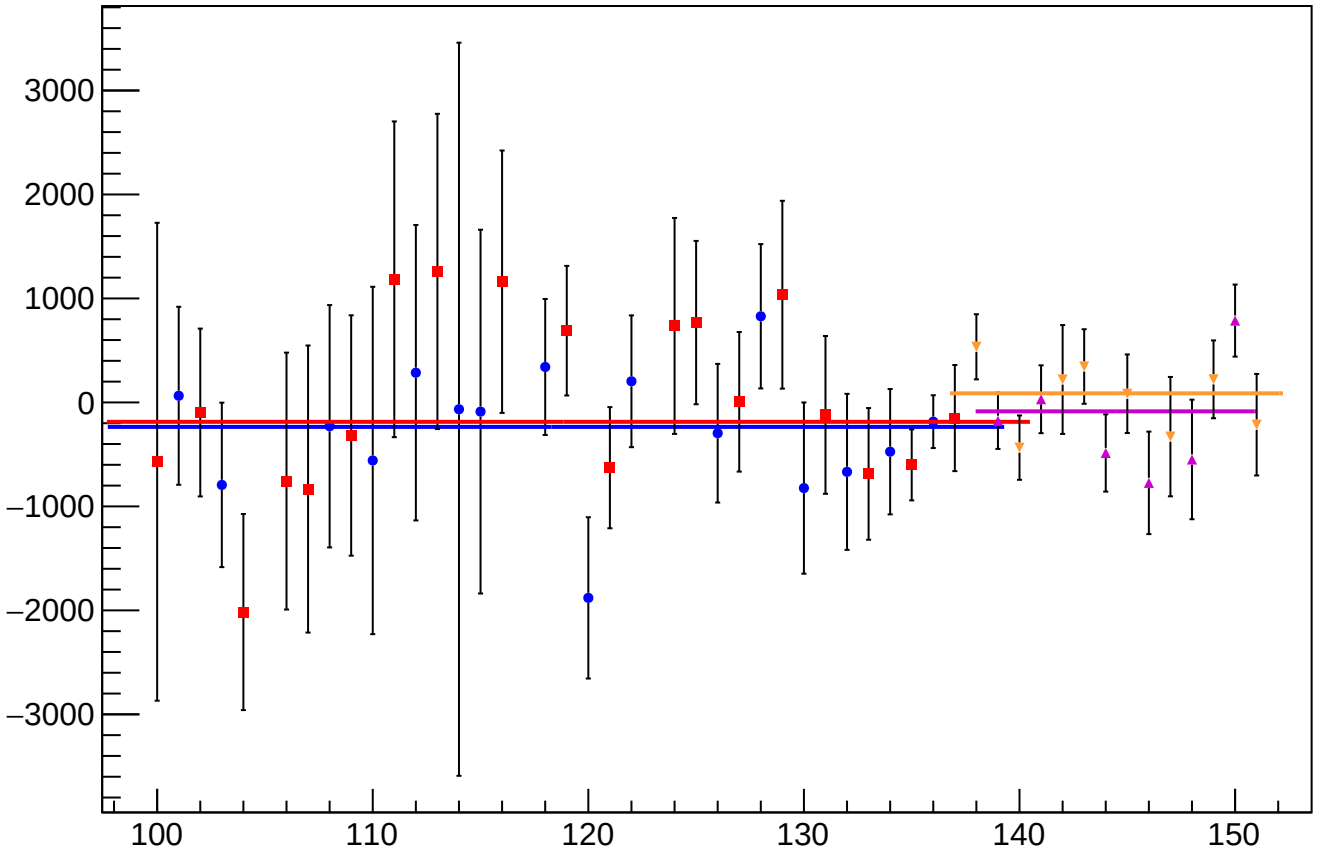
Left: 78.392+/-0.016 χ^2/NDF: 148771.3/13

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.293+/-0.016 χ^2/NDF:909483.6/21

Out: 79.479+/-0.016 χ^2/NDF:1028284.9/26

All: 79.864+/-0.011 χ^2/NDF: 1939069.8/48



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.527+/-136.797 χ^2/NDF:6.5/7

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -85.898+/-147.857 χ^2/NDF:10.3/5

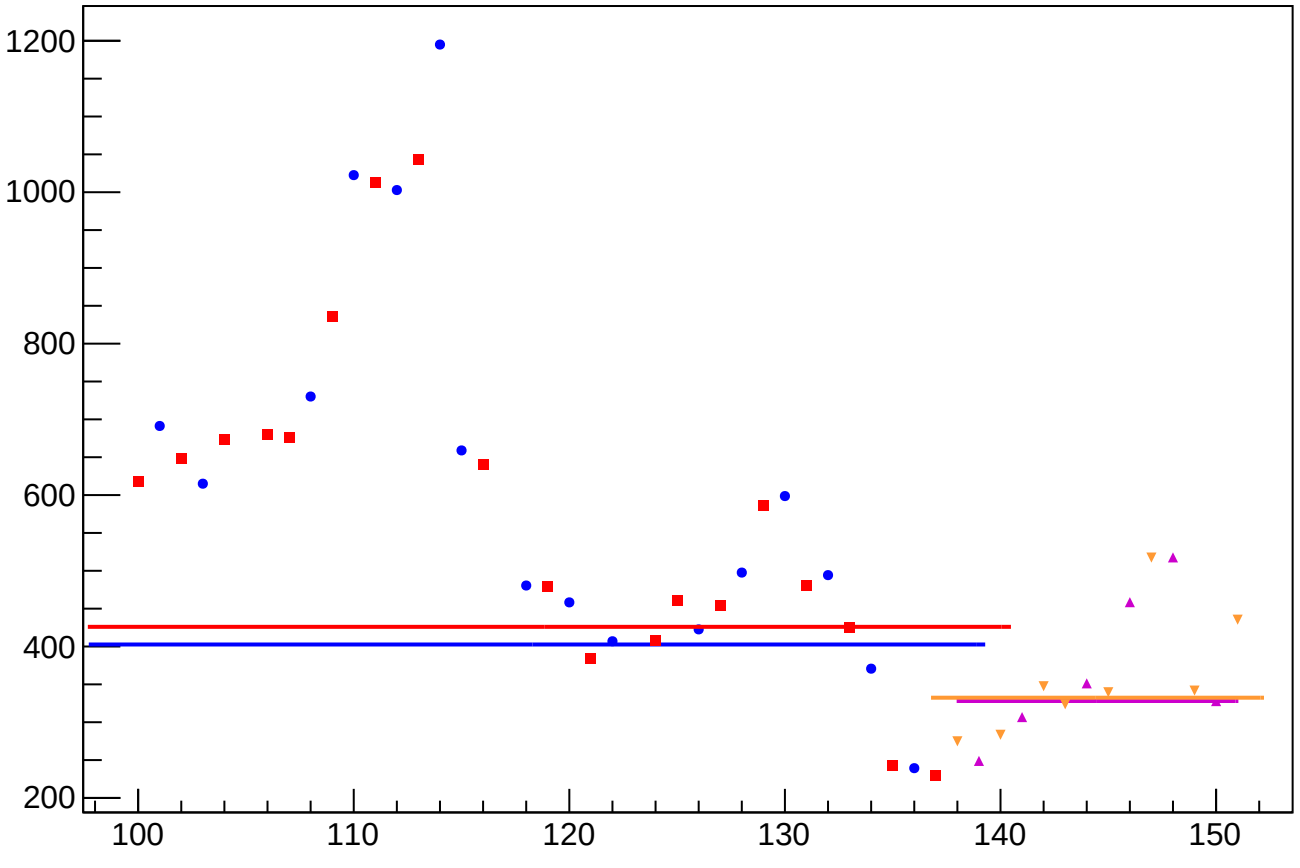
Left: 7.543+/-100.413 χ^2/NDF: 17.6/13

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -153.091+/-109.745 χ^2/NDF:20.7/21

Out: -19.917+/-106.673 χ^2/NDF:24.0/26

All: -84.614+/-76.492 χ^2/NDF: 45.5/48



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 332.384+/-0.097 χ^2/NDF:419523.3/7

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 328.038+/-0.105 χ^2/NDF:545092.4/5

Left: 330.379+/-0.071 χ^2/NDF: 965546.4/13

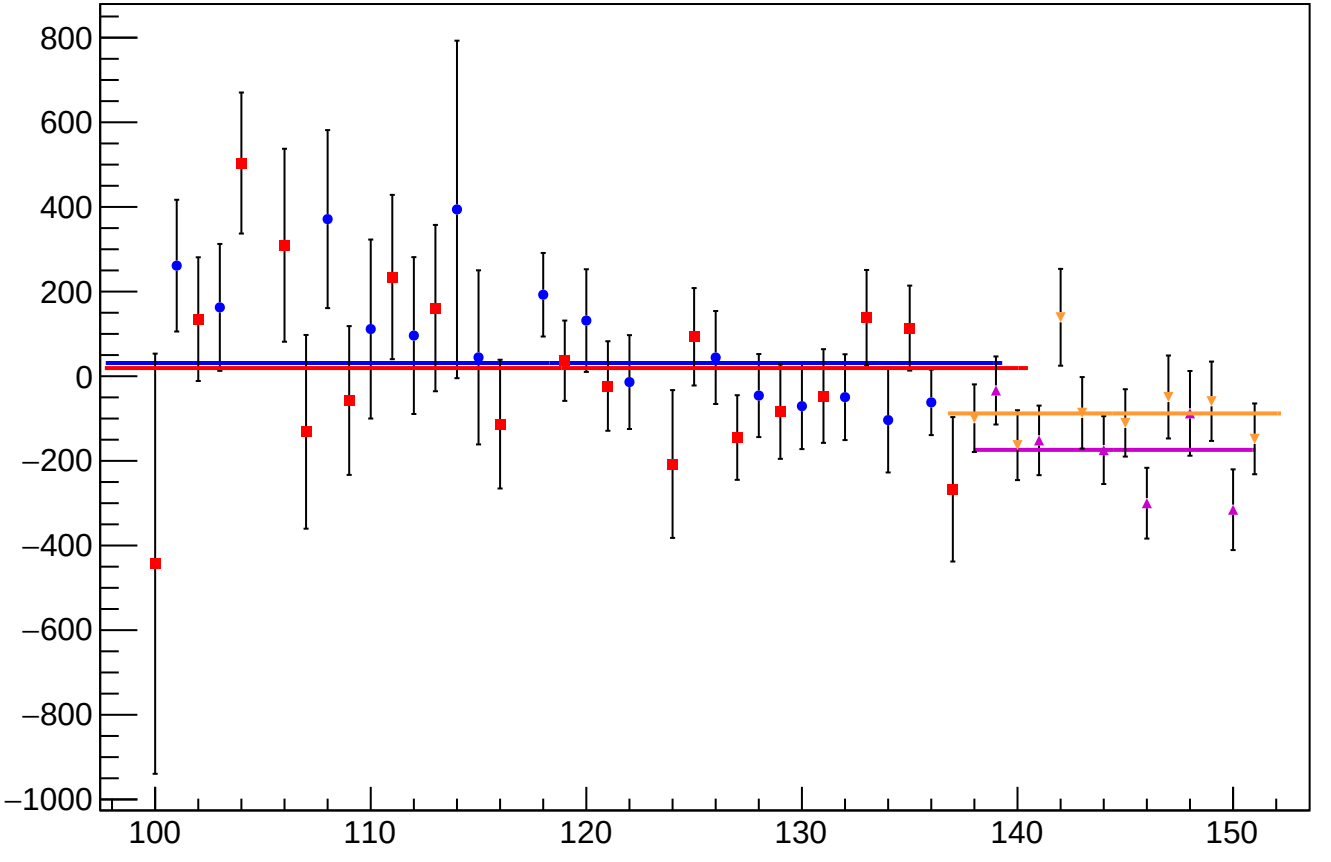
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 361.549+/-0.078 χ^2/NDF:3133943.8/21

Out: 369.066+/-0.075 χ^2/NDF:3155256.4/26

All: 365.414+/-0.054 χ^2/NDF: 6294025.5/48

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -87.922+/-31.026 χ^2/NDF:5.6/7

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -174.024+/-35.110 χ^2/NDF:8.3/5

Left: -125.676+/-23.249 χ^2/NDF: 17.3/13

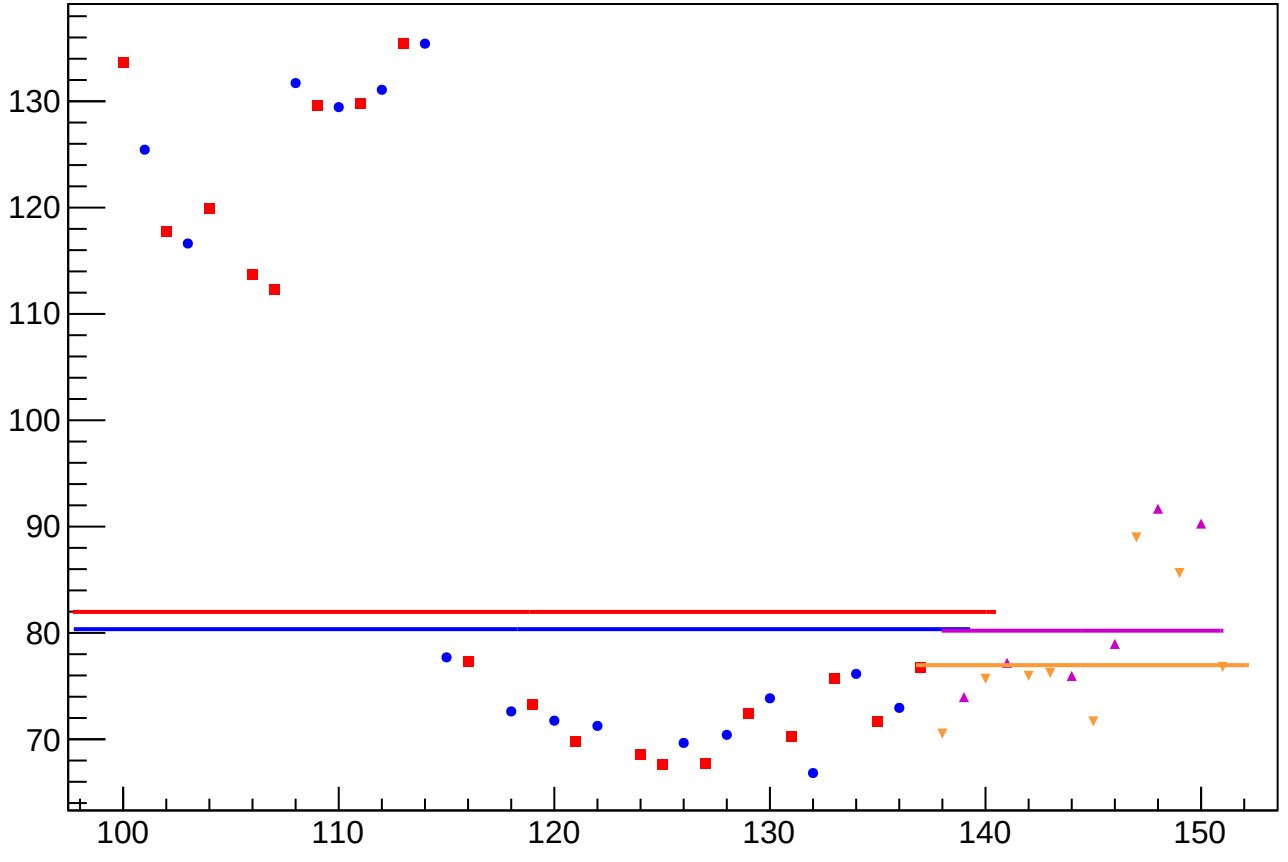
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -57.972+/-23.148 χ^2/NDF:42.7/21

Out: -34.378+/-21.950 χ^2/NDF:37.3/26

All: -45.549+/-15.928 χ^2/NDF: 80.6/48

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 76.970+/-0.022 χ^2/NDF:69766.6/7

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.213+/-0.025 χ^2/NDF:69425.8/5

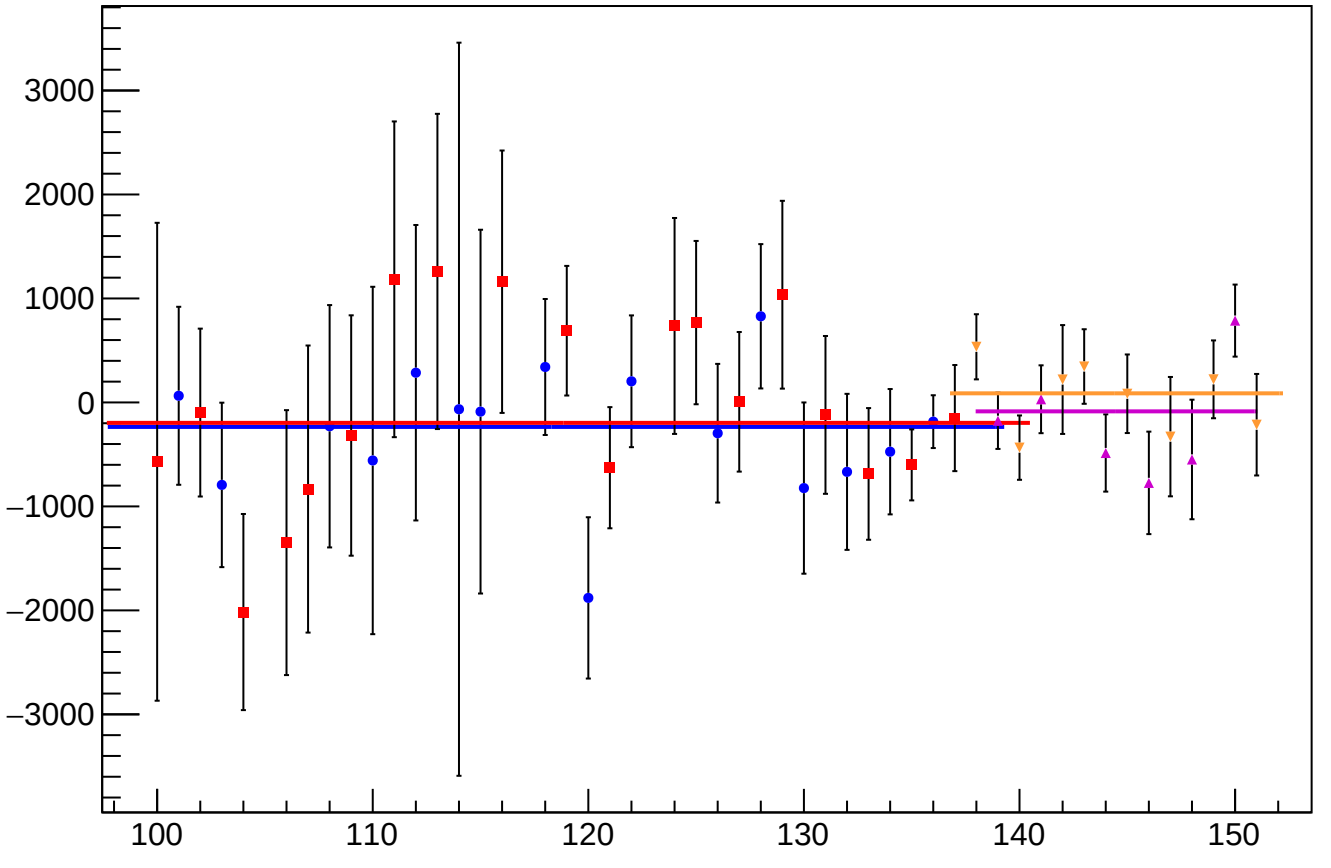
Left: 78.392+/-0.016 χ^2/NDF: 148771.3/13

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.293+/-0.016 χ^2/NDF:909483.8/21

Out: 79.471+/-0.016 χ^2/NDF:1026256.4/26

All: 79.860+/-0.011 χ^2/NDF: 1937065.8/48



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.525+/-136.797 χ^2/NDF:6.5/7

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -85.900+/-147.857 χ^2/NDF:10.3/5

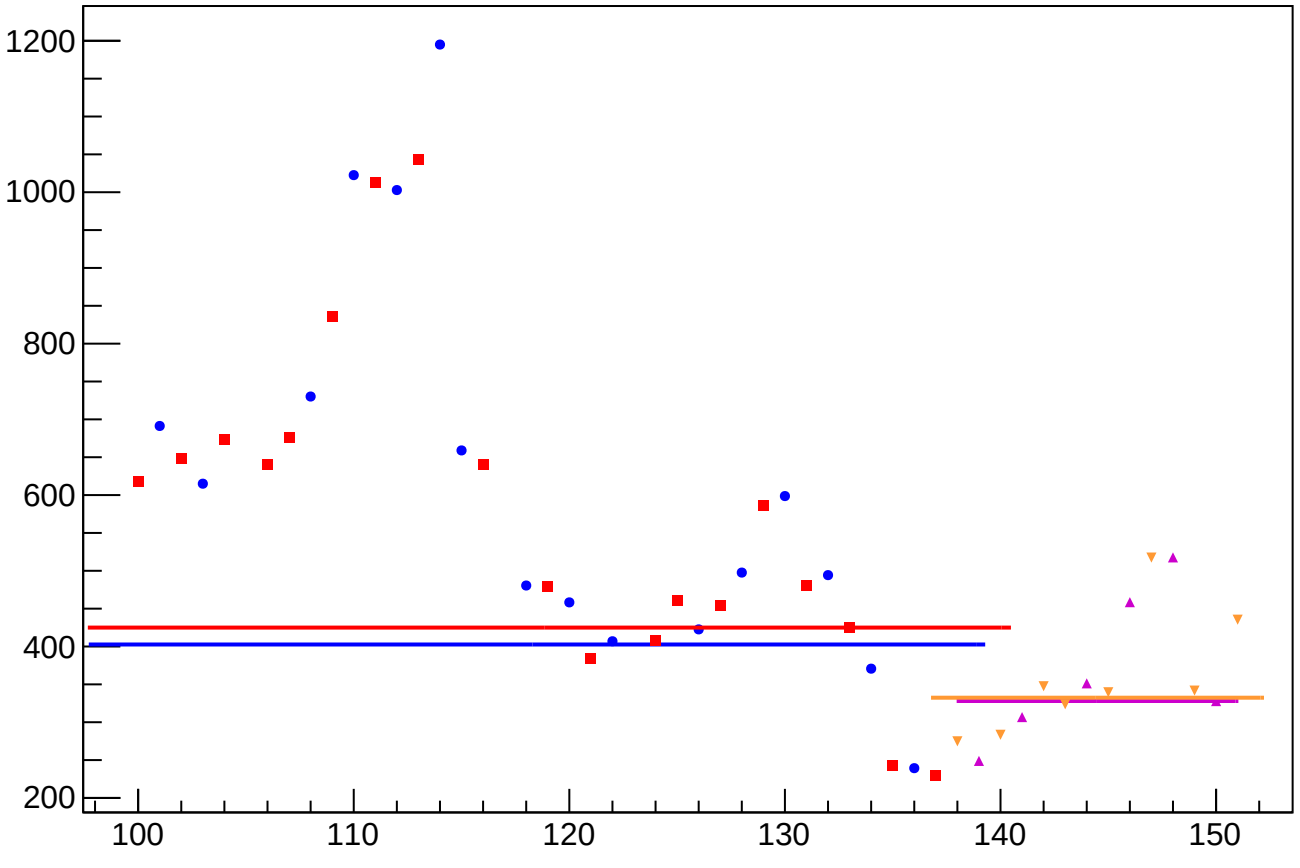
Left: 7.541+/-100.413 χ^2/NDF: 17.6/13

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -153.092+/-109.745 χ^2/NDF:20.7/21

Out: -23.744+/-106.697 χ^2/NDF:24.8/26

All: -86.597+/-76.501 χ^2/NDF: 46.2/48



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.383+/-0.097 χ^2/NDF:419528.5/7

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.038+/-0.105 χ^2/NDF:545092.9/5

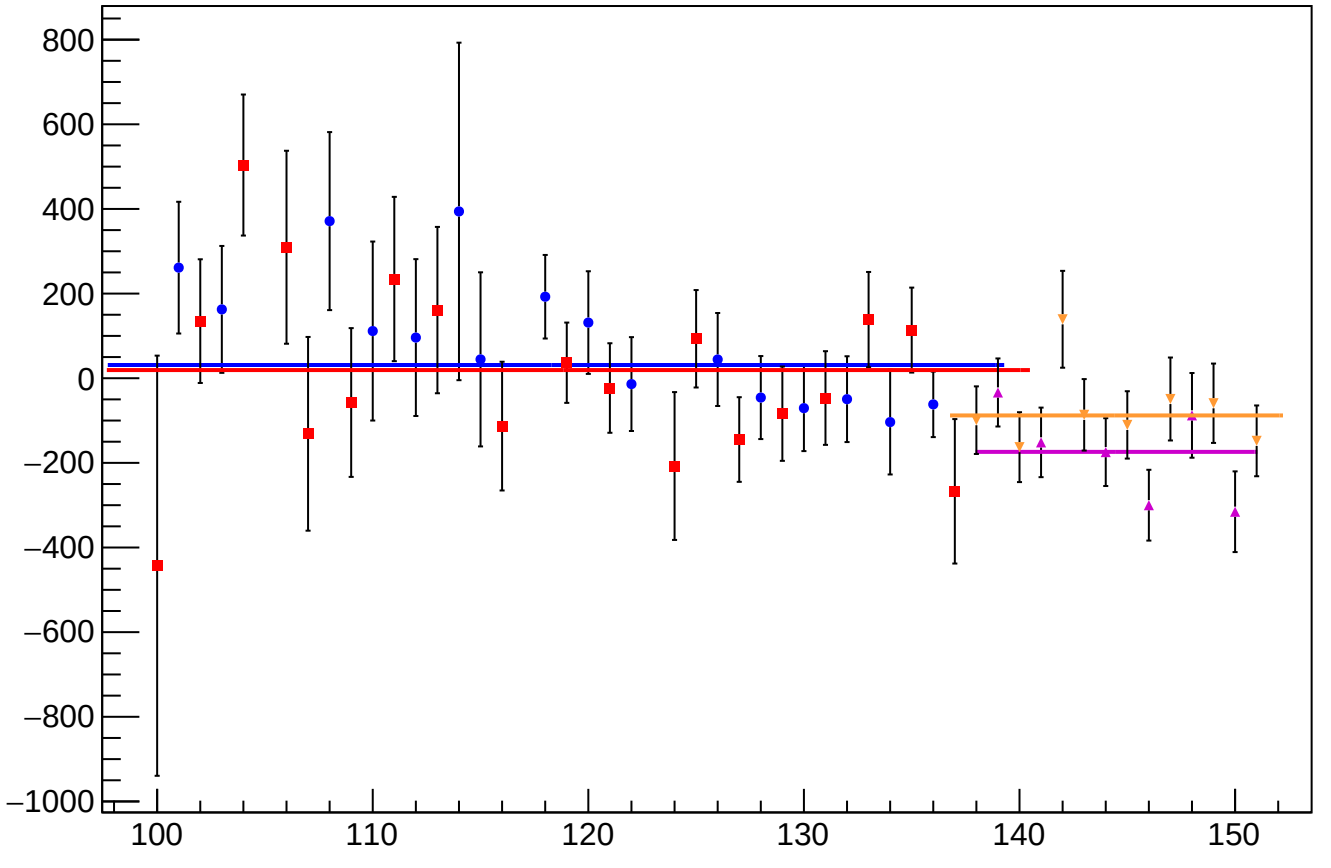
Left: 330.379+/-0.071 χ^2/NDF: 965552.0/13

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 361.549+/-0.078 χ^2/NDF:3133940.2/21

Out: 368.652+/-0.075 χ^2/NDF:3119509.9/26

All: 365.200+/-0.054 χ^2/NDF: 6257757.2/48



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -87.922+/-31.026 χ^2/NDF:5.6/7

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -174.024+/-35.110 χ^2/NDF:8.3/5

Left: -125.676+/-23.249 χ^2/NDF: 17.3/13

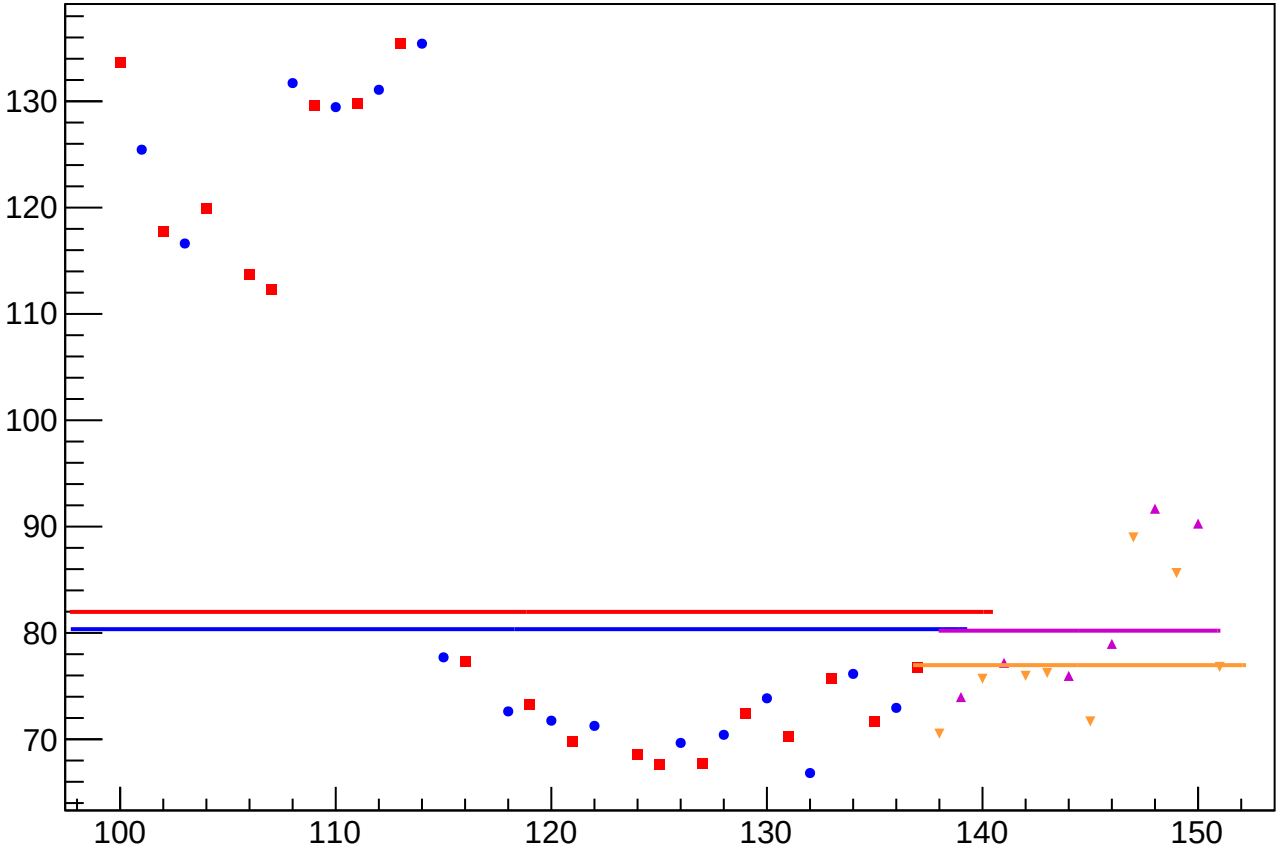
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -57.972+/-23.148 χ^2/NDF:42.7/21

Out: -34.378+/-21.950 χ^2/NDF:37.3/26

All: -45.549+/-15.928 χ^2/NDF: 80.6/48

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 76.970+/-0.022 χ^2/NDF:69766.6/7

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.213+/-0.025 χ^2/NDF:69425.8/5

Left: 78.392+/-0.016 χ^2/NDF: 148771.3/13

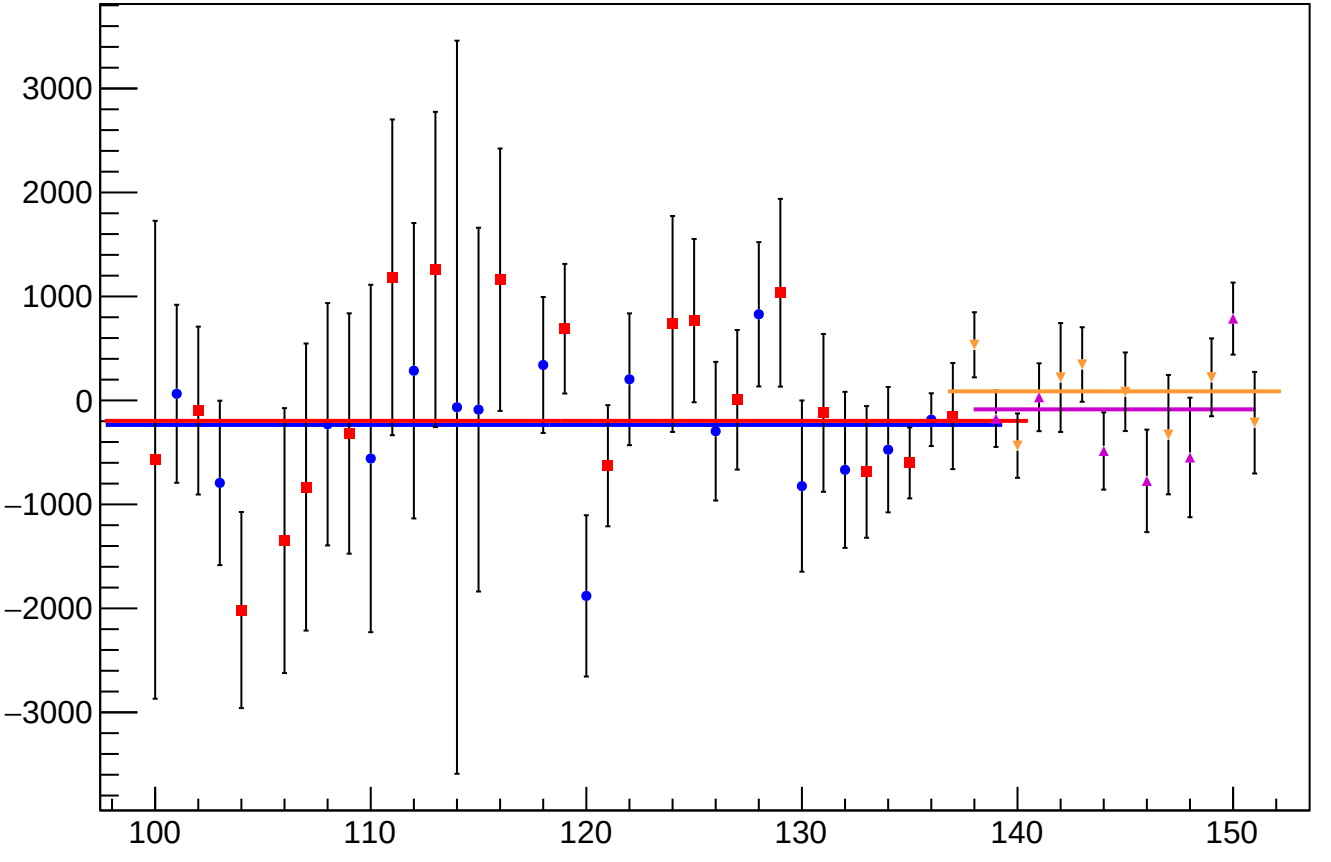
Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.293+/-0.016 χ^2/NDF:909483.8/21

Out: 79.471+/-0.016 χ^2/NDF:1026256.4/26

All: 79.860+/-0.011 χ^2/NDF: 1937065.8/48

asym_sam1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.525+/-136.797 χ^2/NDF:6.5/7

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -85.900+/-147.857 χ^2/NDF:10.3/5

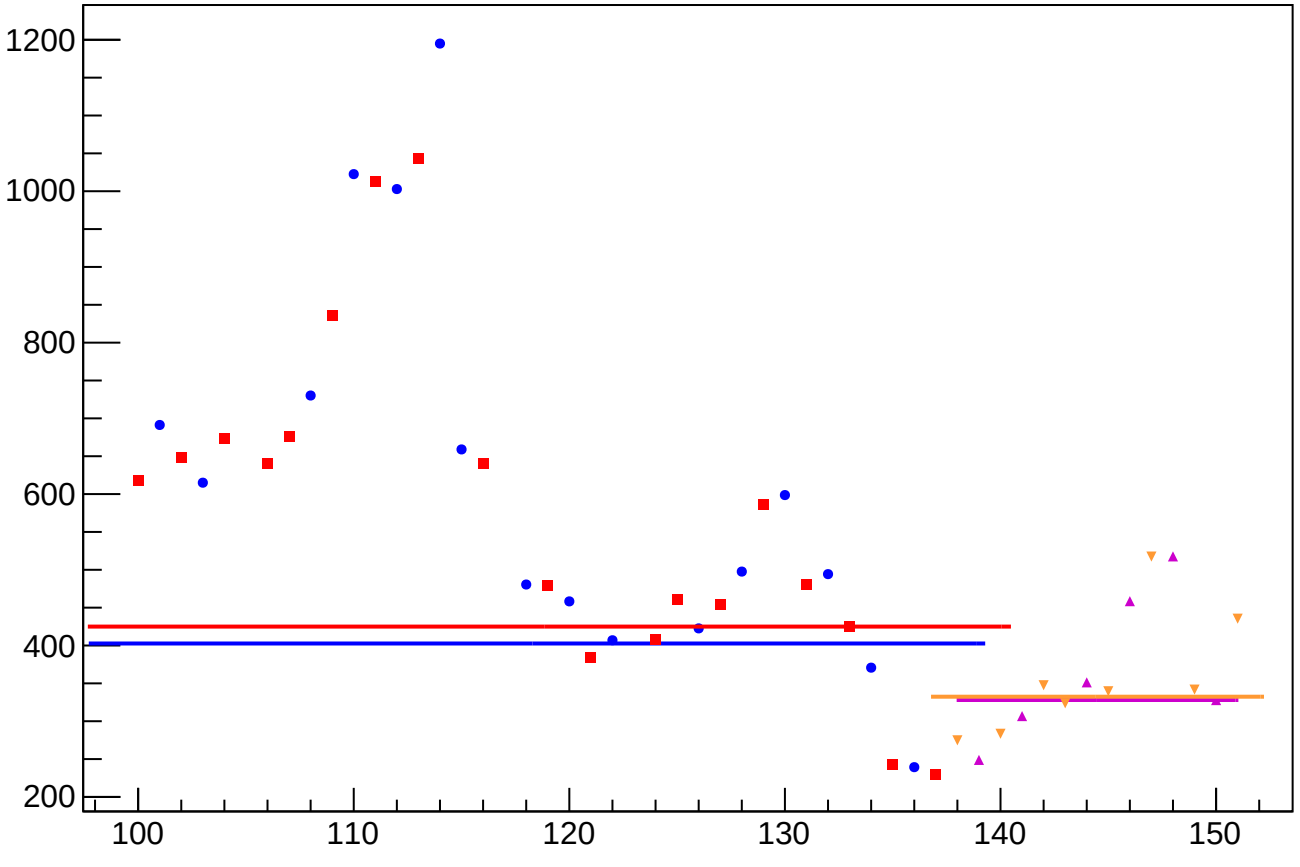
Left: 7.541+/-100.413 χ^2/NDF: 17.6/13

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -153.092+/-109.745 χ^2/NDF:20.7/21

Out: -23.744+/-106.697 χ^2/NDF:24.8/26

All: -86.597+/-76.501 χ^2/NDF: 46.2/48



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.383+/-0.097 χ^2/NDF:419528.5/7

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.038+/-0.105 χ^2/NDF:545092.9/5

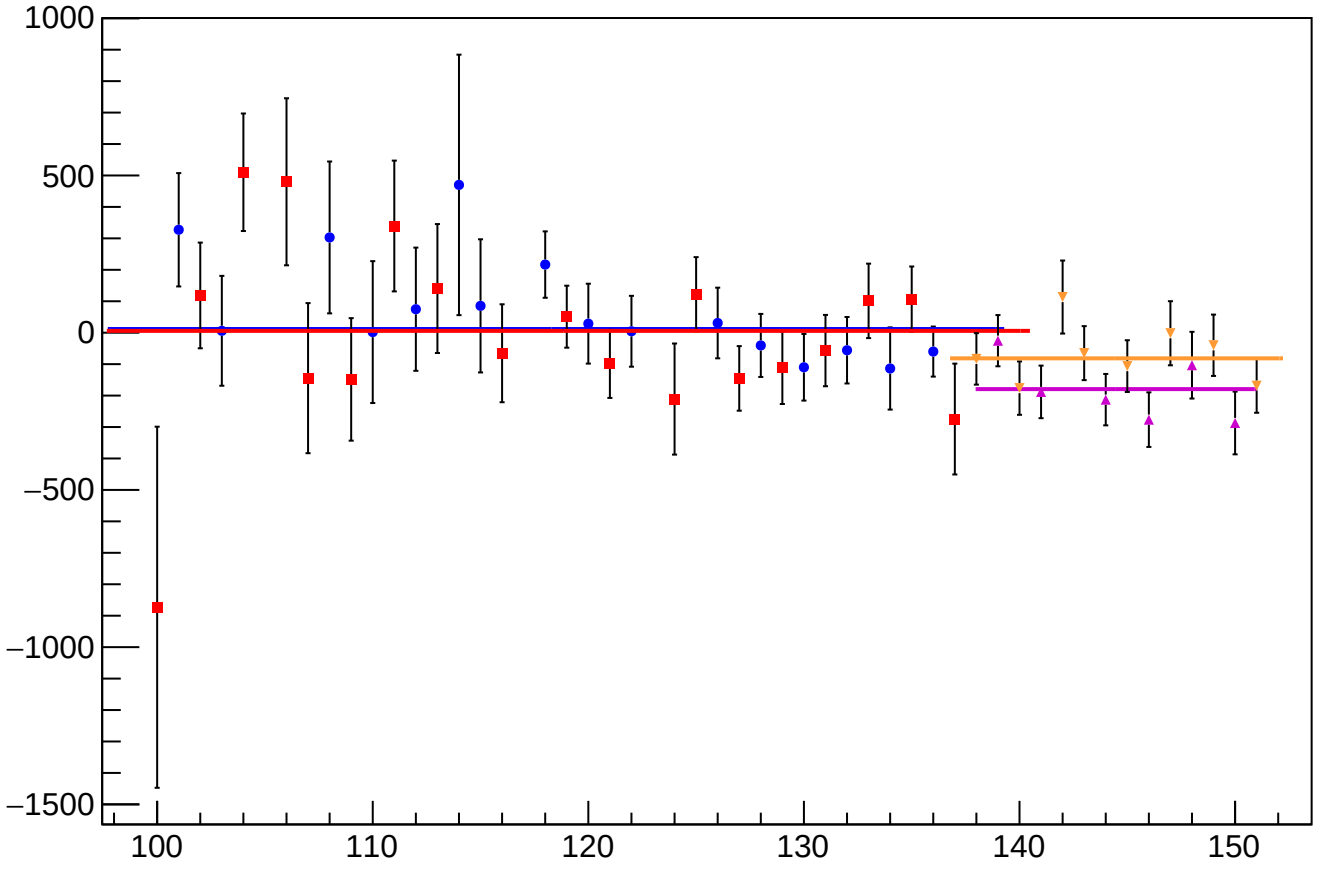
Left: 330.379+/-0.071 χ^2/NDF: 965552.0/13

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 361.549+/-0.078 χ^2/NDF:3133940.2/21

Out: 368.652+/-0.075 χ^2/NDF:3119509.9/26

All: 365.200+/-0.054 χ^2/NDF: 6257757.2/48



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -81.571+/-31.913 χ^2/NDF:6.0/7

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -179.389+/-36.141 χ^2/NDF:6.7/5

Left: -124.426+/-23.922 χ^2/NDF: 16.8/13

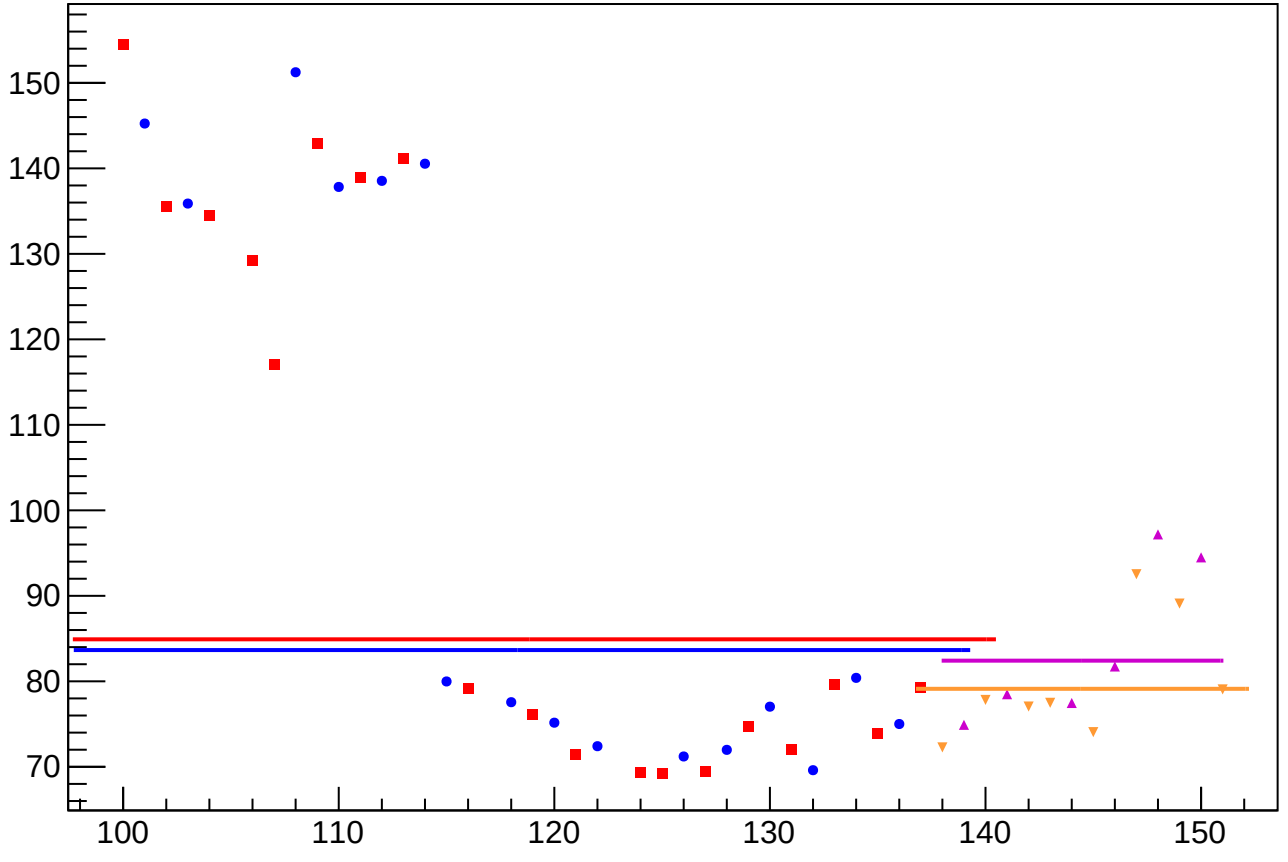
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -73.172+/-24.082 χ^2/NDF:35.7/21

Out: -38.597+/-22.751 χ^2/NDF:38.5/26

All: -54.903+/-16.538 χ^2/NDF: 75.3/48

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.124+/-0.023 χ^2/NDF:78911.6/7

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.417+/-0.026 χ^2/NDF:96911.6/5

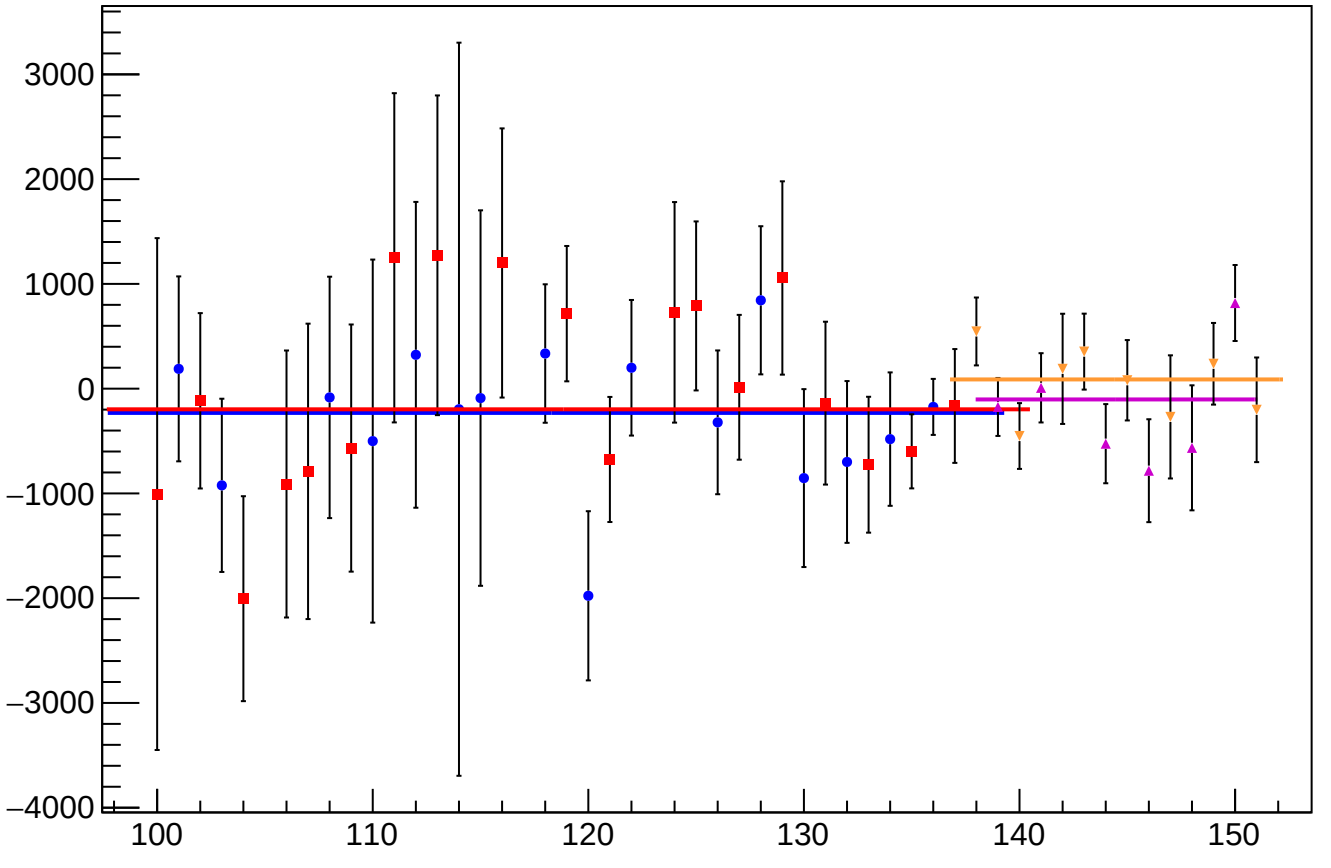
Left: 80.567+/-0.017 χ^2/NDF: 185151.0/13

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 83.107+/-0.017 χ^2/NDF:1133014.9/21

Out: 81.971+/-0.016 χ^2/NDF:1232938.4/26

All: 82.507+/-0.012 χ^2/NDF: 2368302.9/48



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 88.064+/-139.789 χ^2/NDF:6.4/7

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -102.950+/-151.144 χ^2/NDF:10.4/5

Left: 0.001+/-102.625 χ^2/NDF: 17.6/13

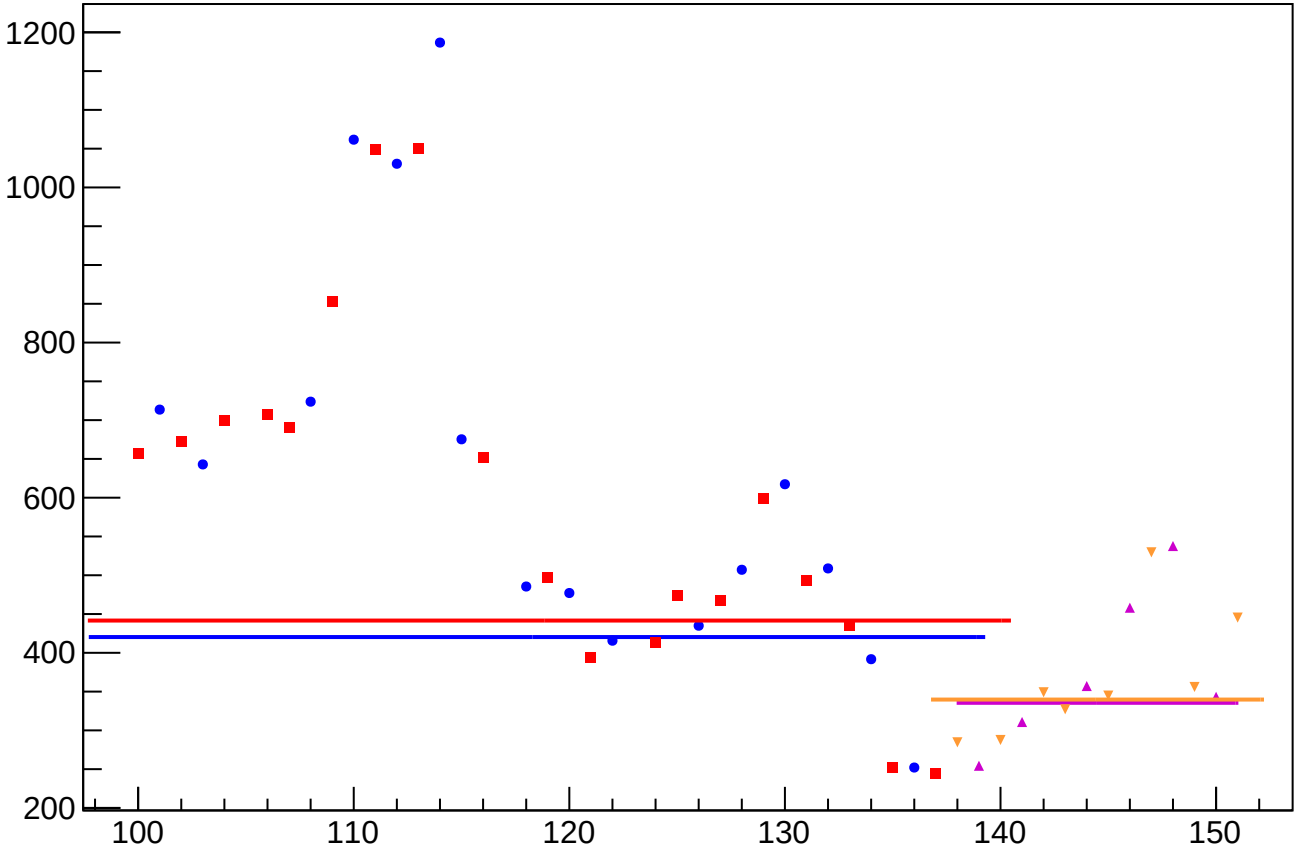
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -159.613+/-112.995 χ^2/NDF:21.1/21

Out: -22.214+/-109.485 χ^2/NDF:23.9/26

All: -88.746+/-78.629 χ^2/NDF: 45.8/48

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 339.730+/-0.099 χ^2/NDF:418027.3/7

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 335.548+/-0.107 χ^2/NDF:544925.5/5

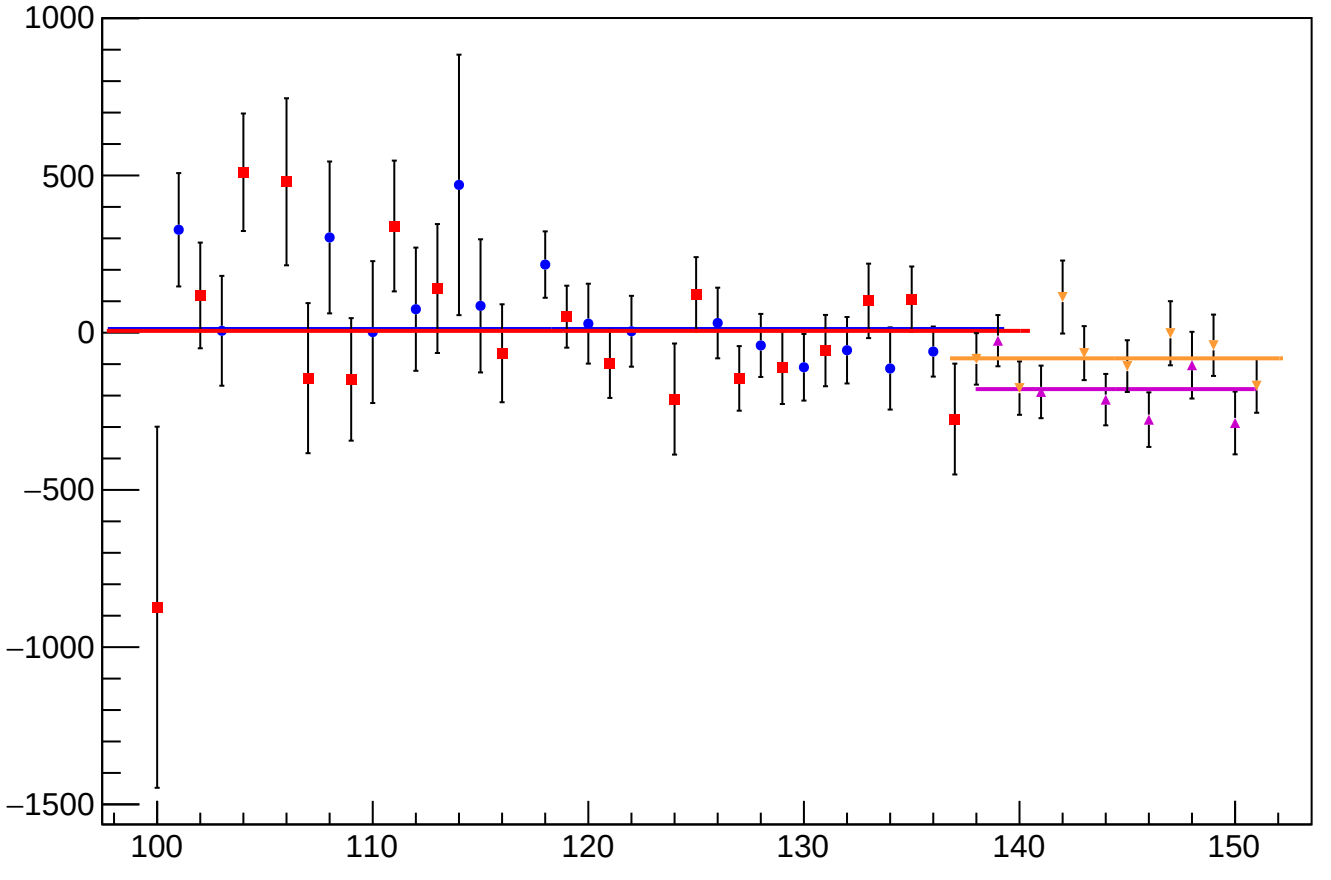
Left: 337.802+/-0.073 χ^2/NDF: 963778.2/13

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 372.945+/-0.080 χ^2/NDF:3077116.9/21

Out: 379.109+/-0.077 χ^2/NDF:3136189.6/26

All: 376.124+/-0.056 χ^2/NDF: 6216376.3/48



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -81.572+/-31.913 χ^2/NDF:6.0/7

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -179.389+/-36.141 χ^2/NDF:6.7/5

Left: -124.427+/-23.922 χ^2/NDF: 16.8/13

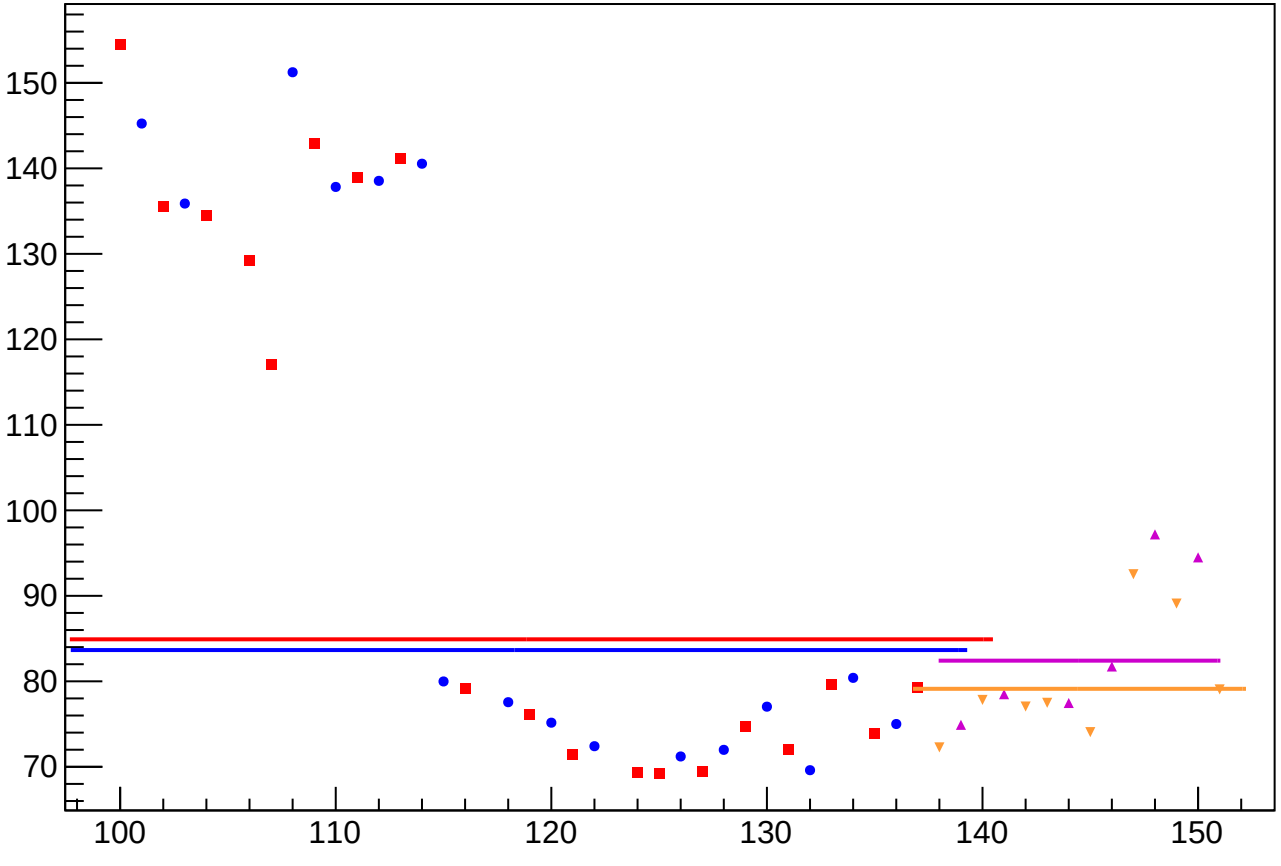
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -73.171+/-24.082 χ^2/NDF:35.7/21

Out: -38.598+/-22.751 χ^2/NDF:38.5/26

All: -54.903+/-16.538 χ^2/NDF: 75.3/48

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.124+/-0.023 χ^2/NDF:78911.1/7

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.417+/-0.026 χ^2/NDF:96910.9/5

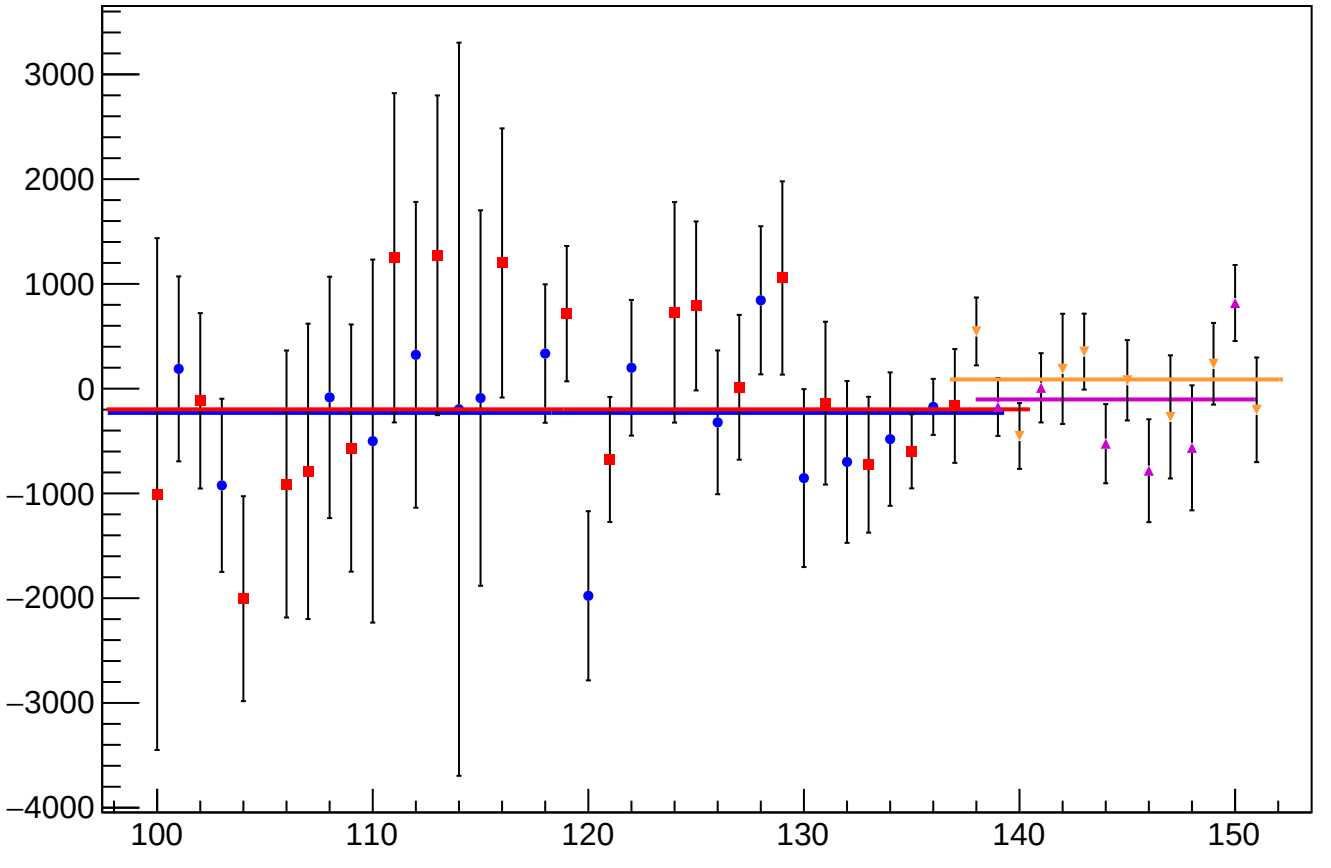
Left: 80.567+/-0.017 χ^2/NDF: 185149.8/13

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 83.106+/-0.017 χ^2/NDF:1133013.5/21

Out: 81.971+/-0.016 χ^2/NDF:1232936.3/26

All: 82.506+/-0.012 χ^2/NDF: 2368299.4/48



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 88.063+/-139.788 χ^2/NDF:6.4/7

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -102.950+/-151.144 χ^2/NDF:10.4/5

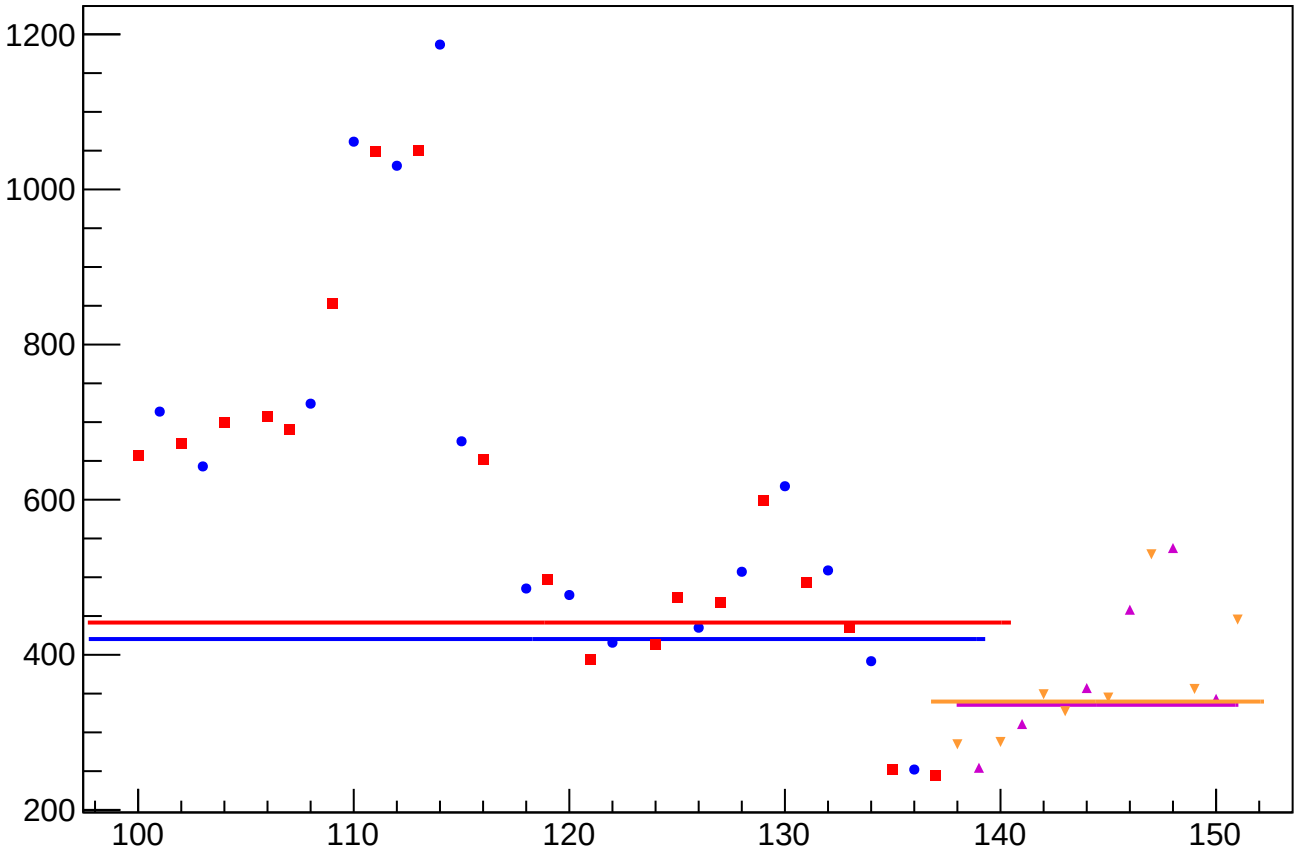
Left: 0.001+/-102.625 χ^2/NDF: 17.6/13

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -159.612+/-112.994 χ^2/NDF:21.1/21

Out: -22.215+/-109.484 χ^2/NDF:23.9/26

All: -88.746+/-78.629 χ^2/NDF: 45.8/48



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 339.730+/-0.099 χ^2/NDF:418027.0/7

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 335.547+/-0.107 χ^2/NDF:544926.1/5

Left: 337.801+/-0.073 χ^2/NDF: 963778.4/13

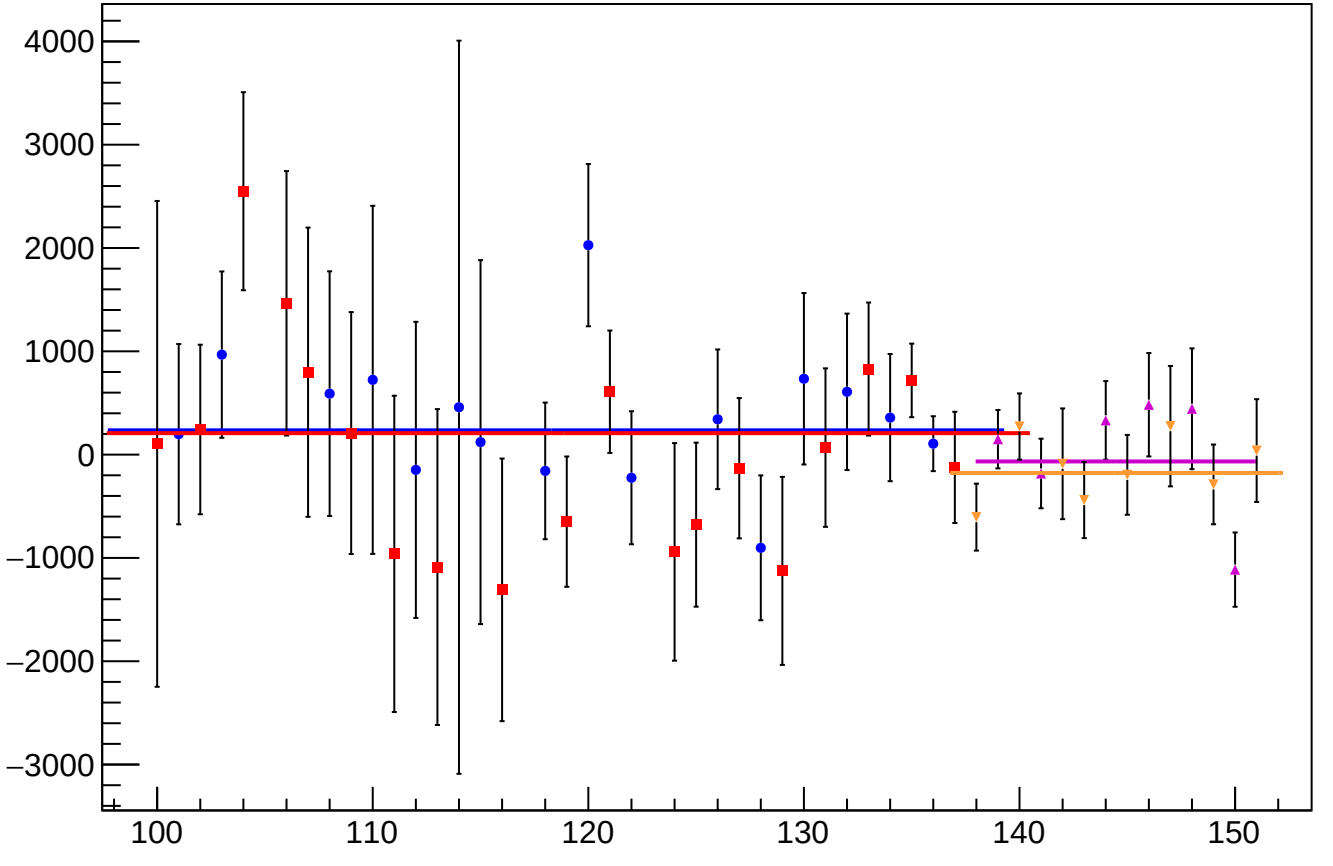
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 372.945+/-0.080 χ^2/NDF:3077120.6/21

Out: 379.109+/-0.077 χ^2/NDF:3136192.9/26

All: 376.124+/-0.056 χ^2/NDF: 6216383.4/48

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -177.015+/-140.716 χ^2/NDF:5.1/7

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -66.064+/-152.662 χ^2/NDF:12.2/5

Left: -126.050+/-103.467 χ^2/NDF: 17.6/13

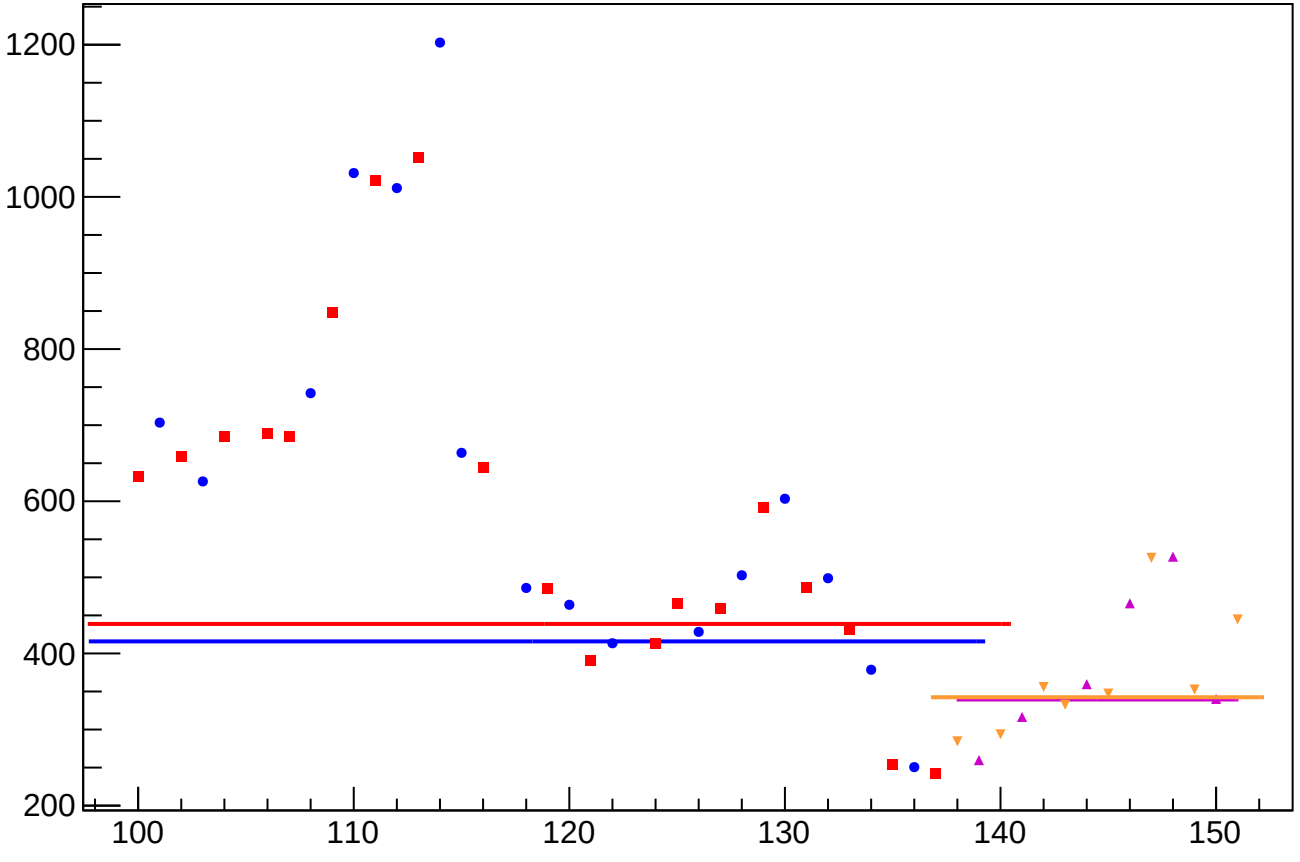
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 69.948+/-113.043 χ^2/NDF:24.7/21

Out: -25.557+/-109.591 χ^2/NDF:28.4/26

All: 20.715+/-78.685 χ^2/NDF: 53.5/48

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 342.427+/-0.100 χ^2/NDF:396583.3/7

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.472+/-0.108 χ^2/NDF:507512.6/5

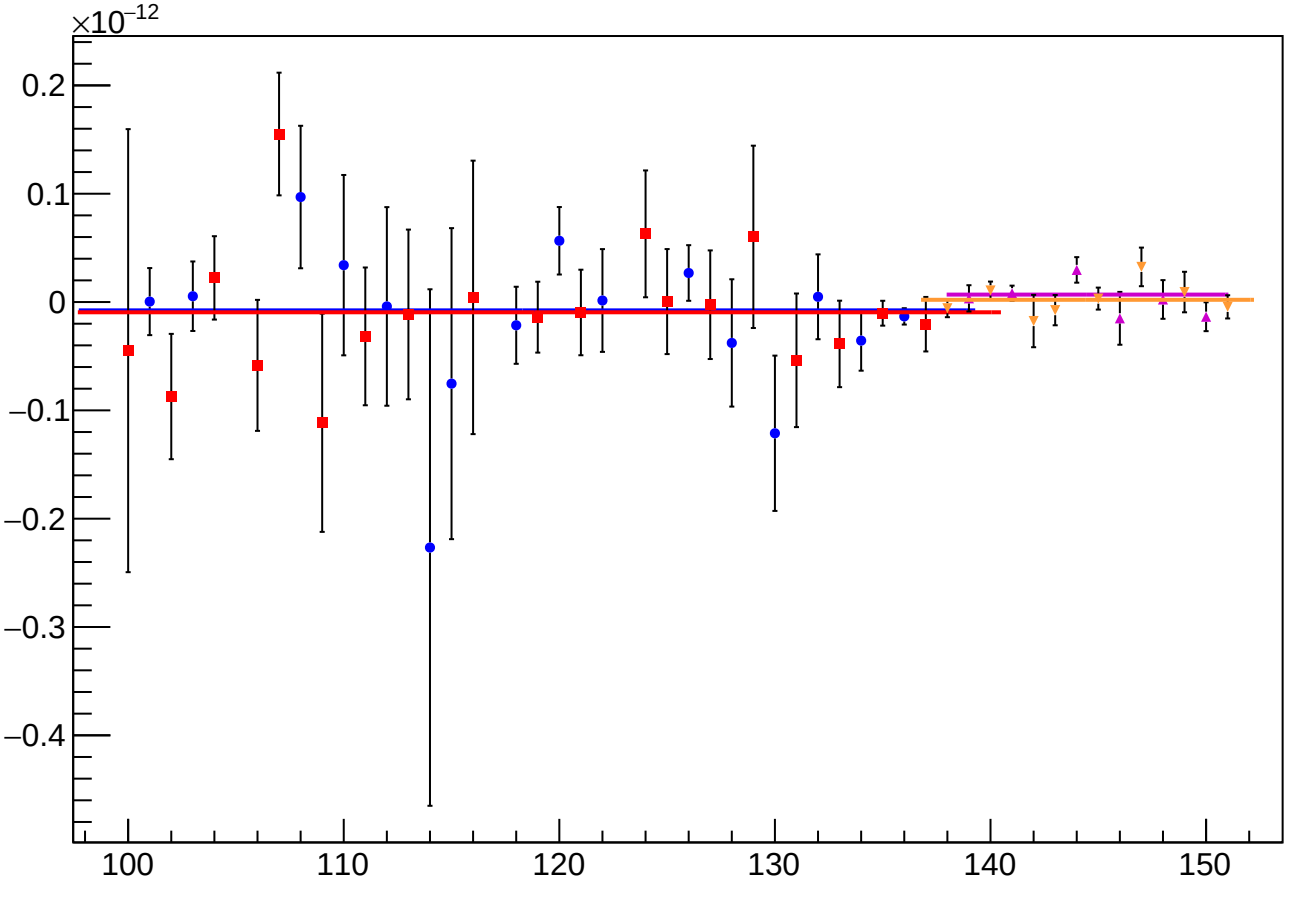
Left: 341.070+/-0.073 χ^2/NDF: 904501.1/13

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 373.967+/-0.080 χ^2/NDF:2957523.1/21

Out: 380.334+/-0.077 χ^2/NDF:3000252.1/26

All: 377.249+/-0.056 χ^2/NDF: 5961046.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.1/5

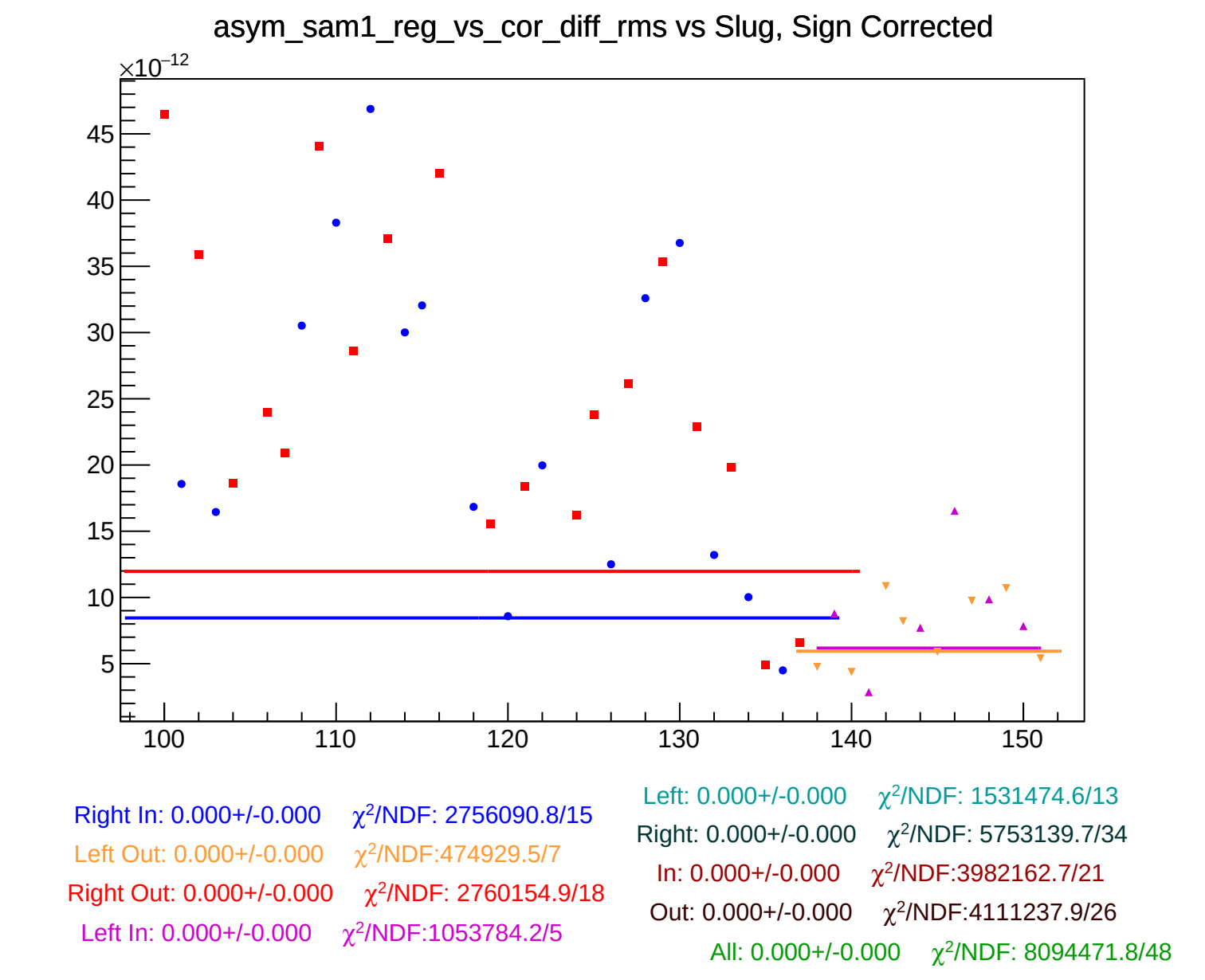
Left: 0.000+/-0.000 χ^2/NDF: 14.2/13

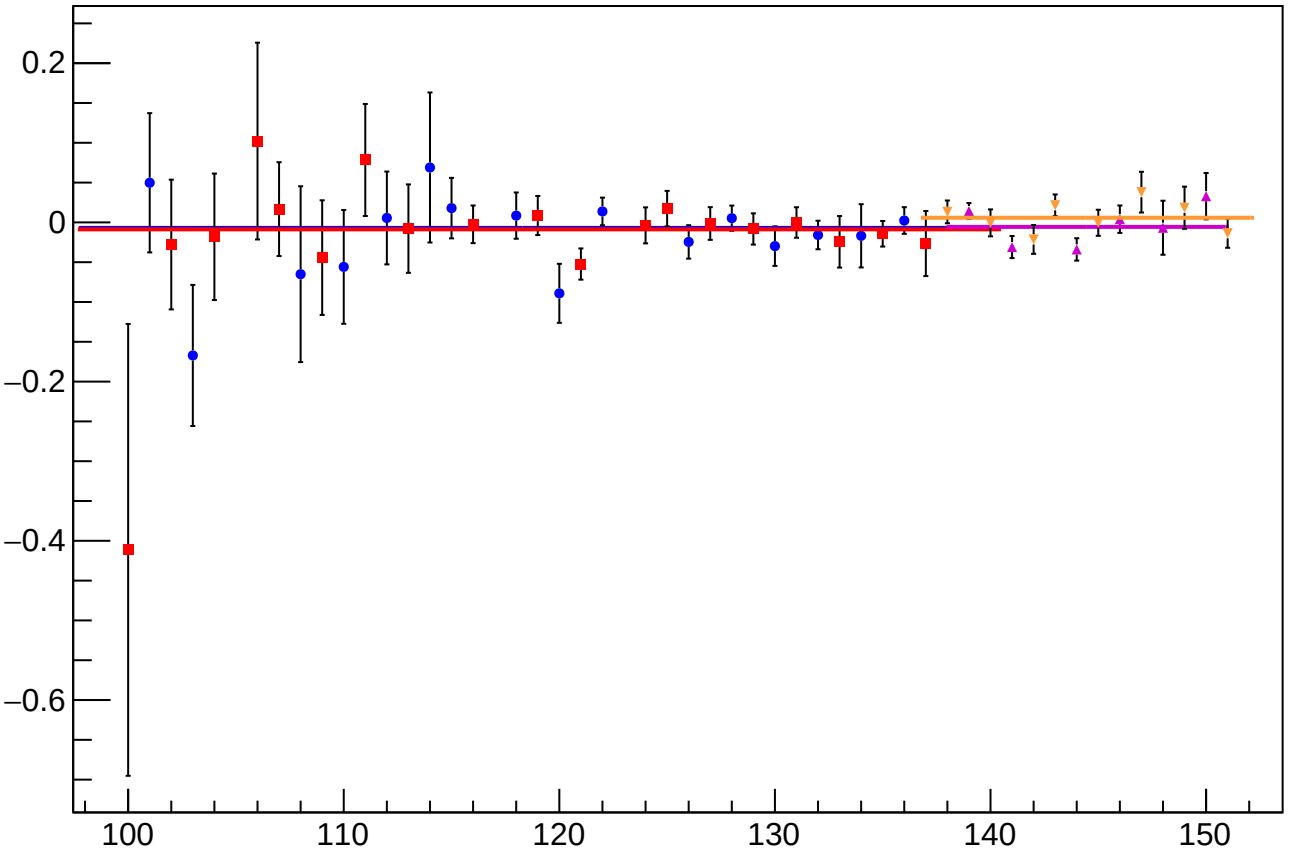
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.3/21

Out: -0.000+/-0.000 χ^2/NDF:24.5/26

All: 0.000+/-0.000 χ^2/NDF: 49.9/48


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:474929.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1053784.2/5
Left: 0.000+/-0.000 χ²/NDF: 1531474.6/13
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:3982162.7/21
Out: 0.000+/-0.000 χ²/NDF:4111237.9/26
All: 0.000+/-0.000 χ²/NDF: 8094471.8/48



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.006 χ^2/NDF:7.1/7

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.006 χ^2/NDF:13.4/5

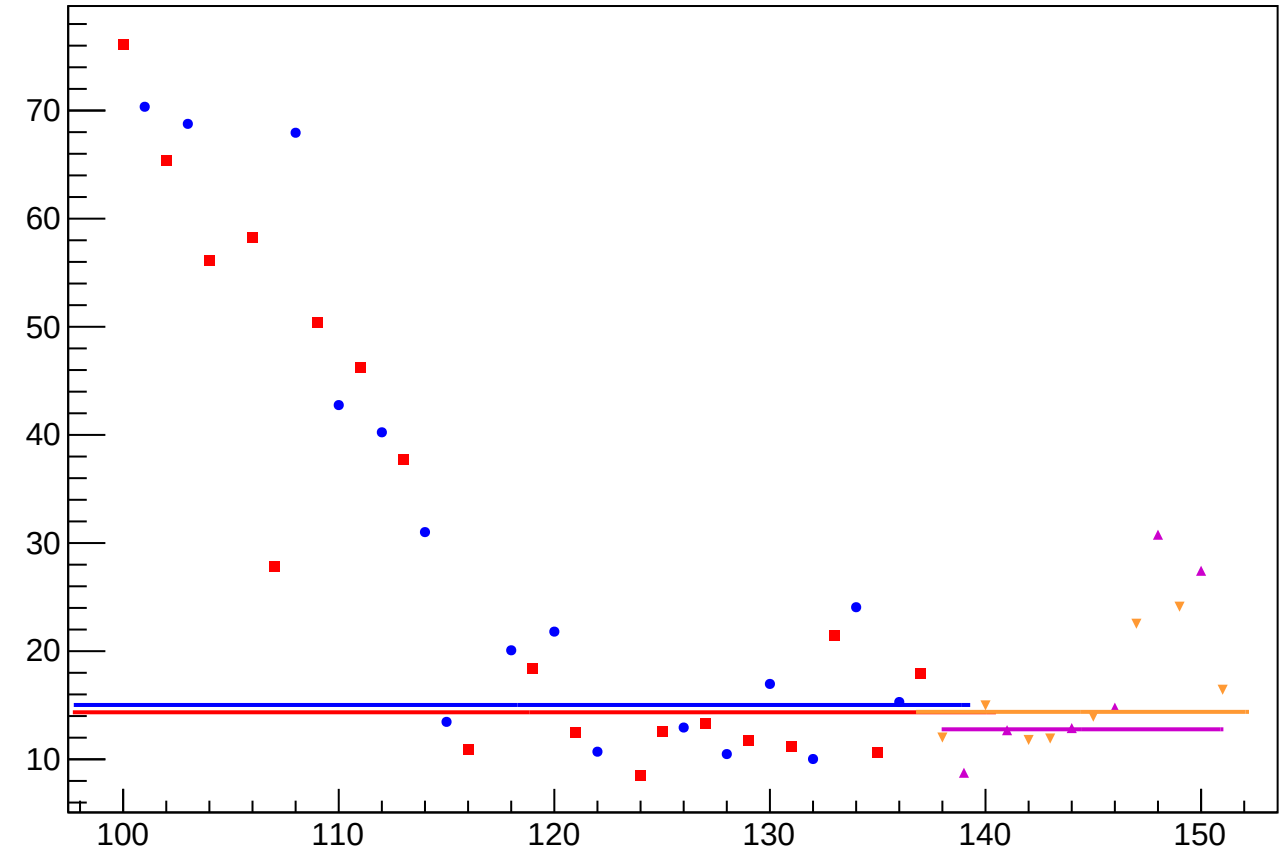
Left: 0.000+/-0.004 χ^2/NDF: 22.2/13

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.005 χ^2/NDF:28.3/21

Out: -0.001+/-0.004 χ^2/NDF:22.4/26

All: -0.004+/-0.003 χ^2/NDF: 51.4/48



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.388+/-0.004 χ^2/NDF:663686.5/7

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 12.774+/-0.004 χ^2/NDF:1416962.4/5

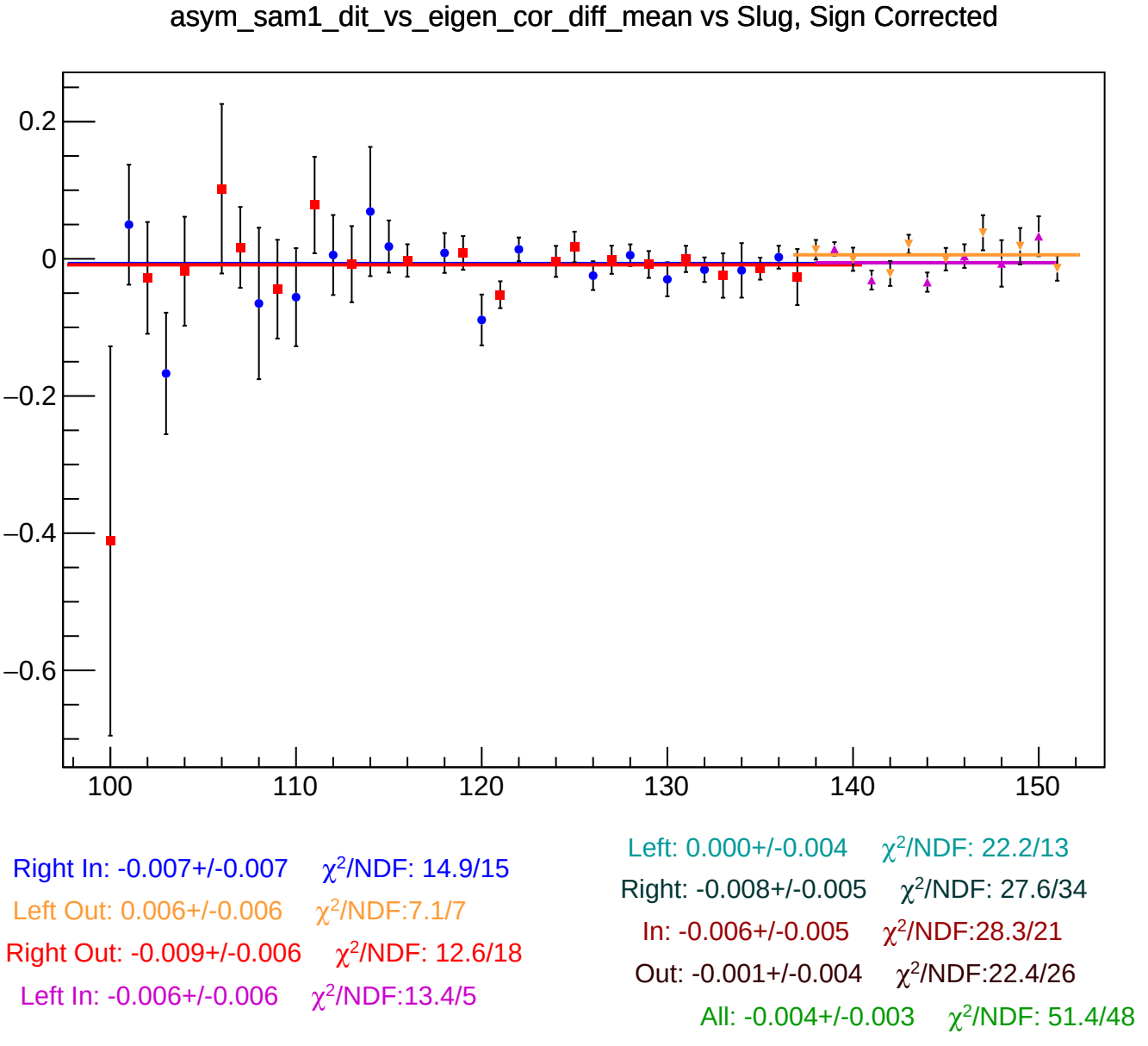
Left: 13.596+/-0.003 χ^2/NDF: 2148473.9/13

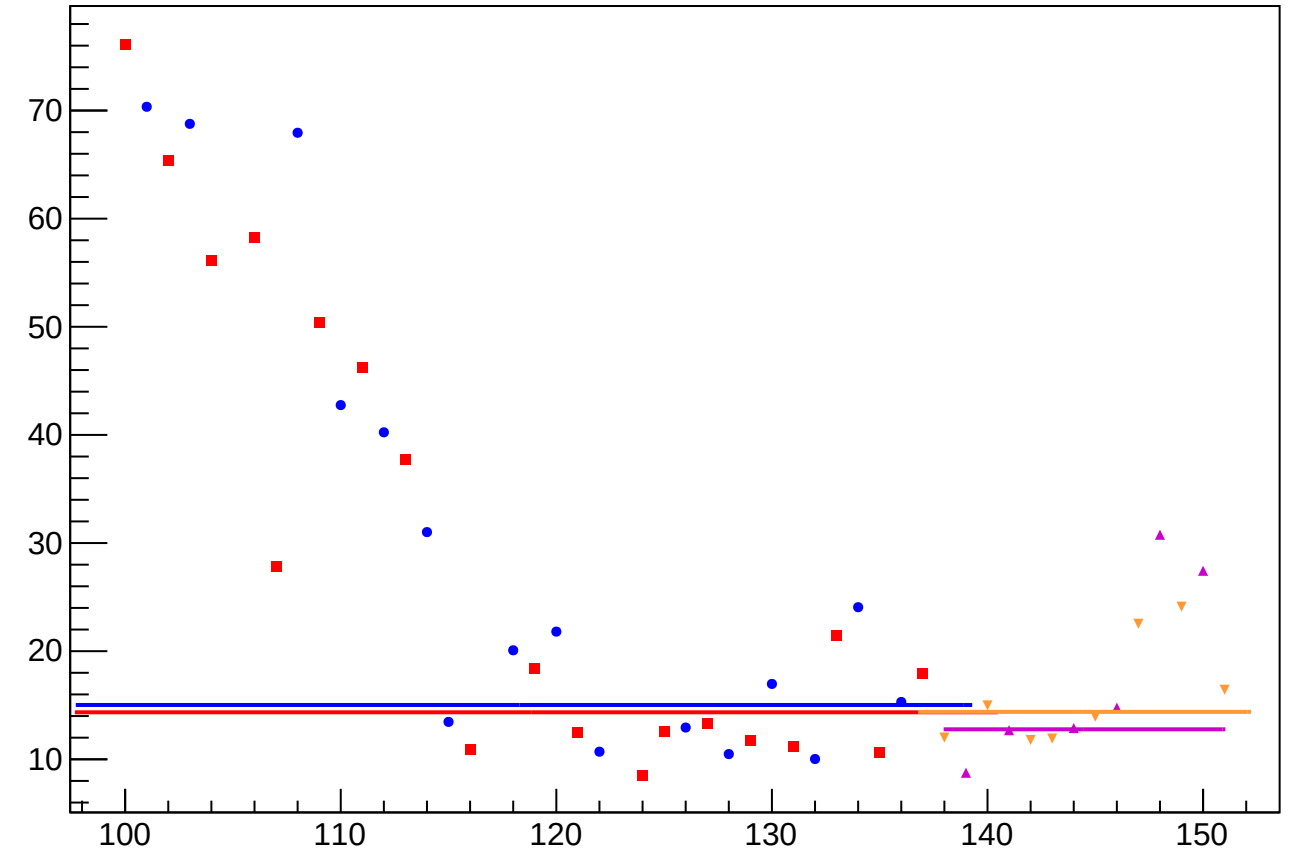
Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.817+/-0.003 χ^2/NDF:4975313.4/21

Out: 14.369+/-0.003 χ^2/NDF:4292742.2/26

All: 14.102+/-0.002 χ^2/NDF: 9283086.4/48


asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.006+/-0.006 χ²/NDF:7.1/7
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.006+/-0.006 χ²/NDF:13.4/5
Left: 0.000+/-0.004 χ²/NDF: 22.2/13
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.006+/-0.005 χ²/NDF:28.3/21
Out: -0.001+/-0.004 χ²/NDF:22.4/26
All: -0.004+/-0.003 χ²/NDF: 51.4/48



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.388+/-0.004 χ^2/NDF:663686.5/7

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 12.774+/-0.004 χ^2/NDF:1416962.4/5

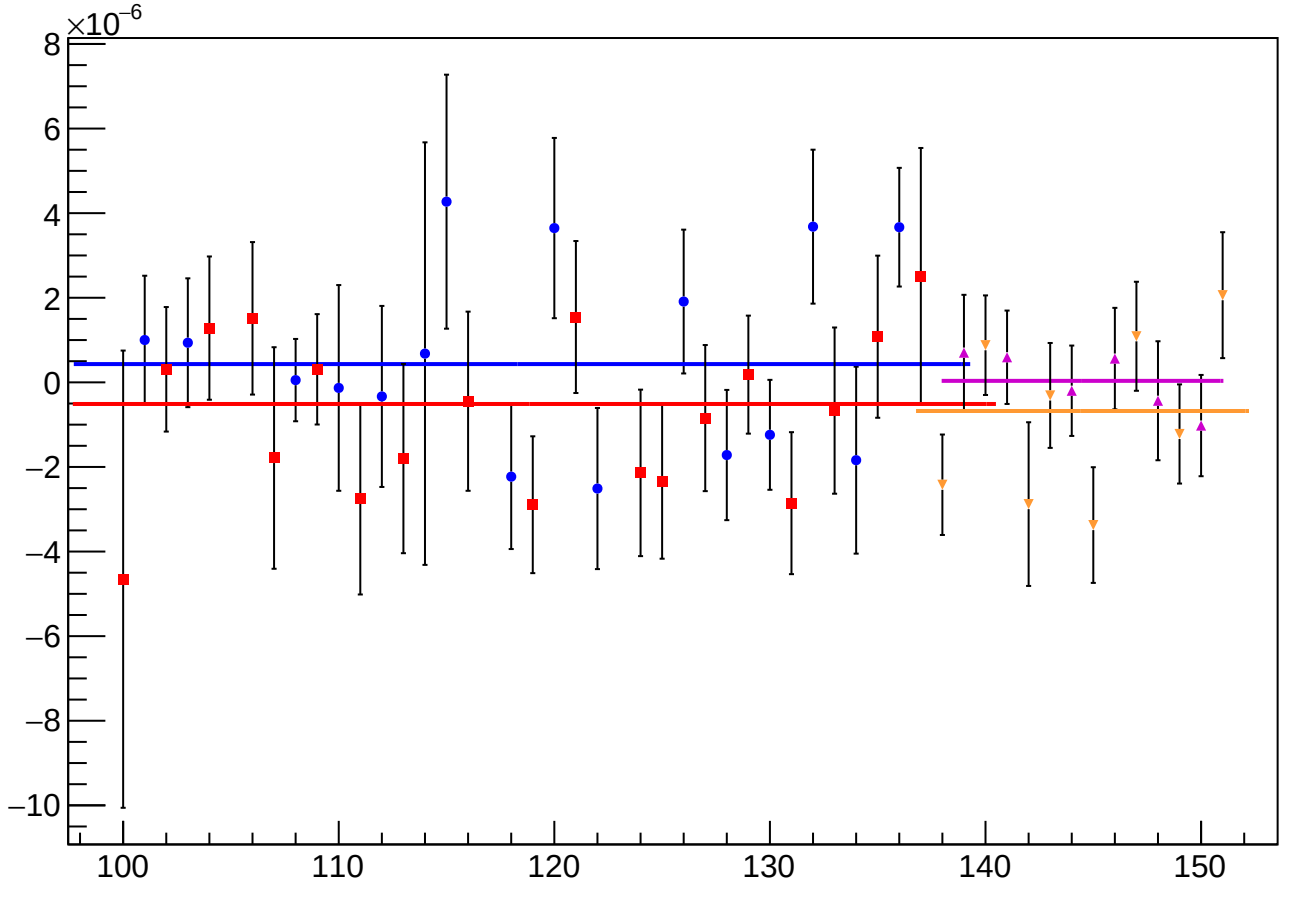
Left: 13.596+/-0.003 χ^2/NDF: 2148473.9/13

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.817+/-0.003 χ^2/NDF:4975313.4/21

Out: 14.369+/-0.003 χ^2/NDF:4292742.2/26

All: 14.102+/-0.002 χ^2/NDF: 9283086.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/5

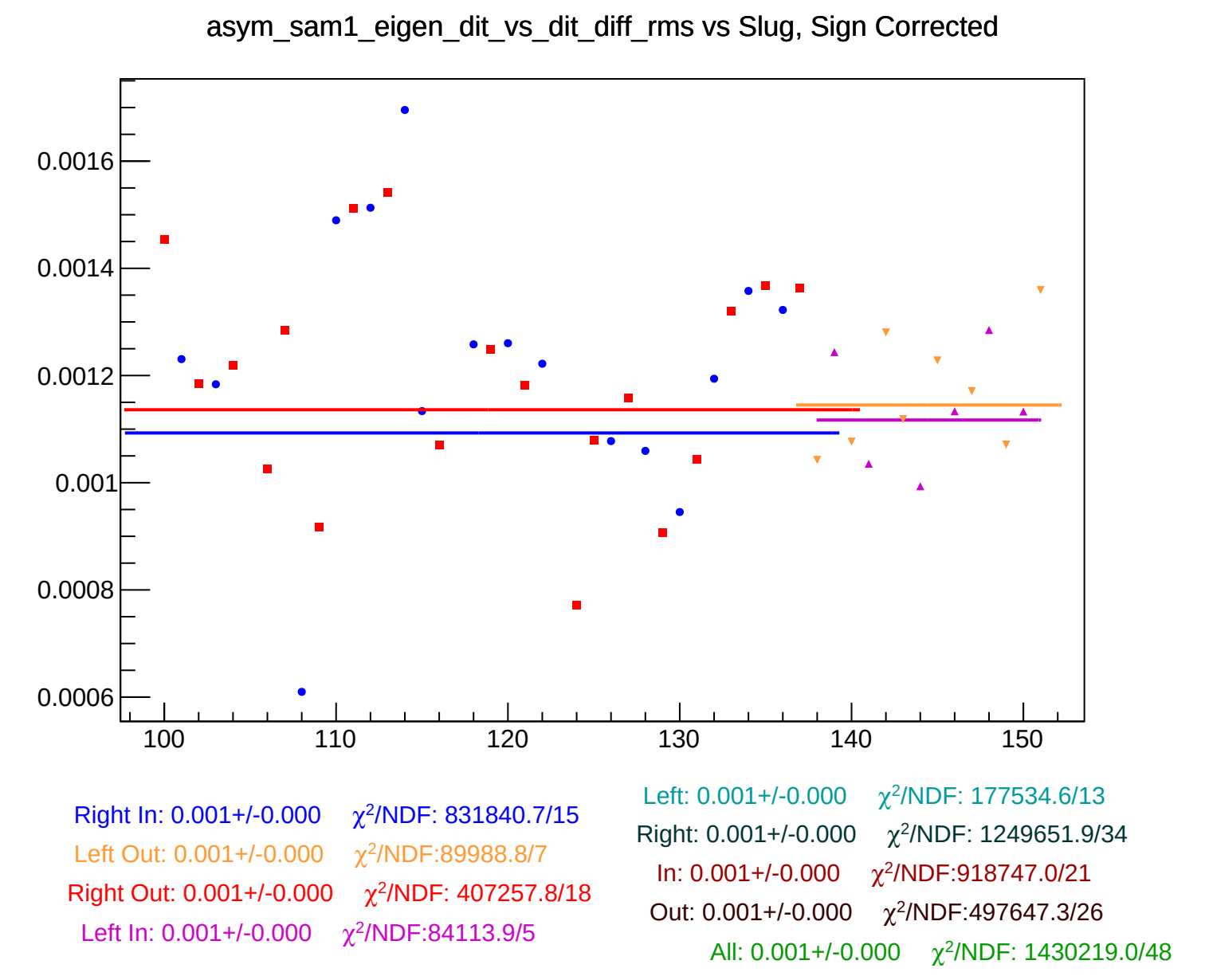
Left: -0.000+/-0.000 χ^2/NDF: 17.4/13

Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:25.2/21

Out: -0.000+/-0.000 χ^2/NDF:29.0/26

All: -0.000+/-0.000 χ^2/NDF: 57.9/48


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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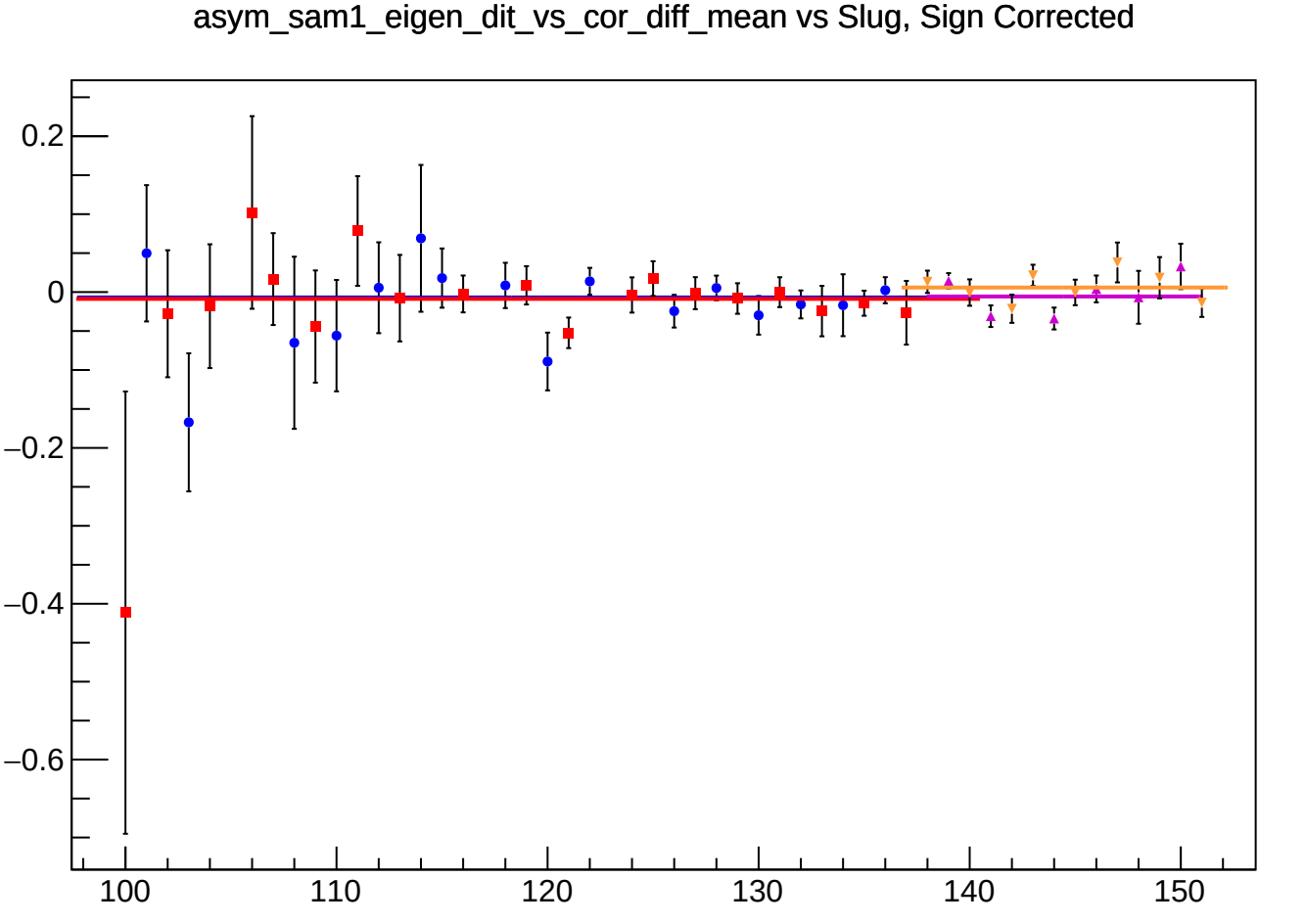
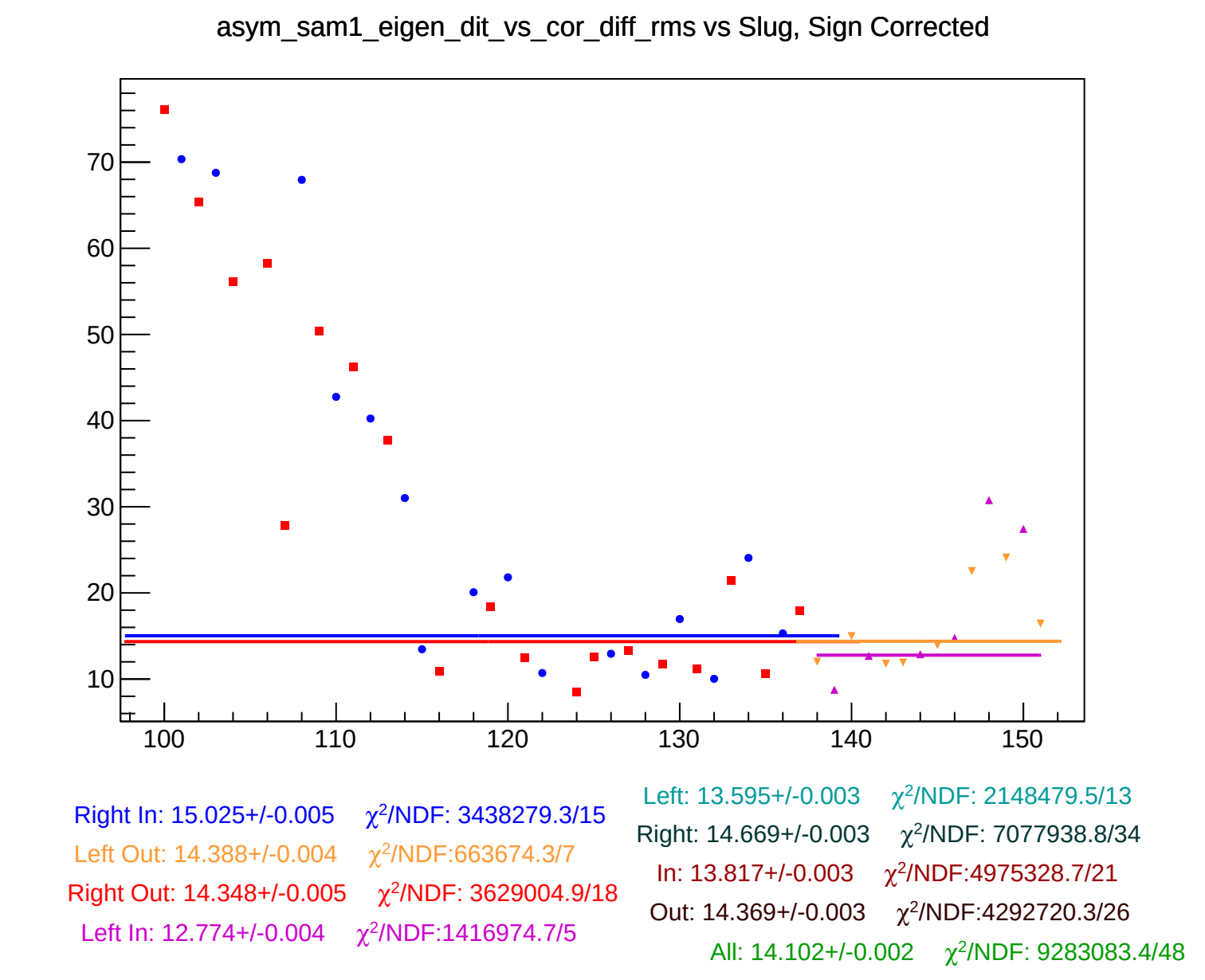
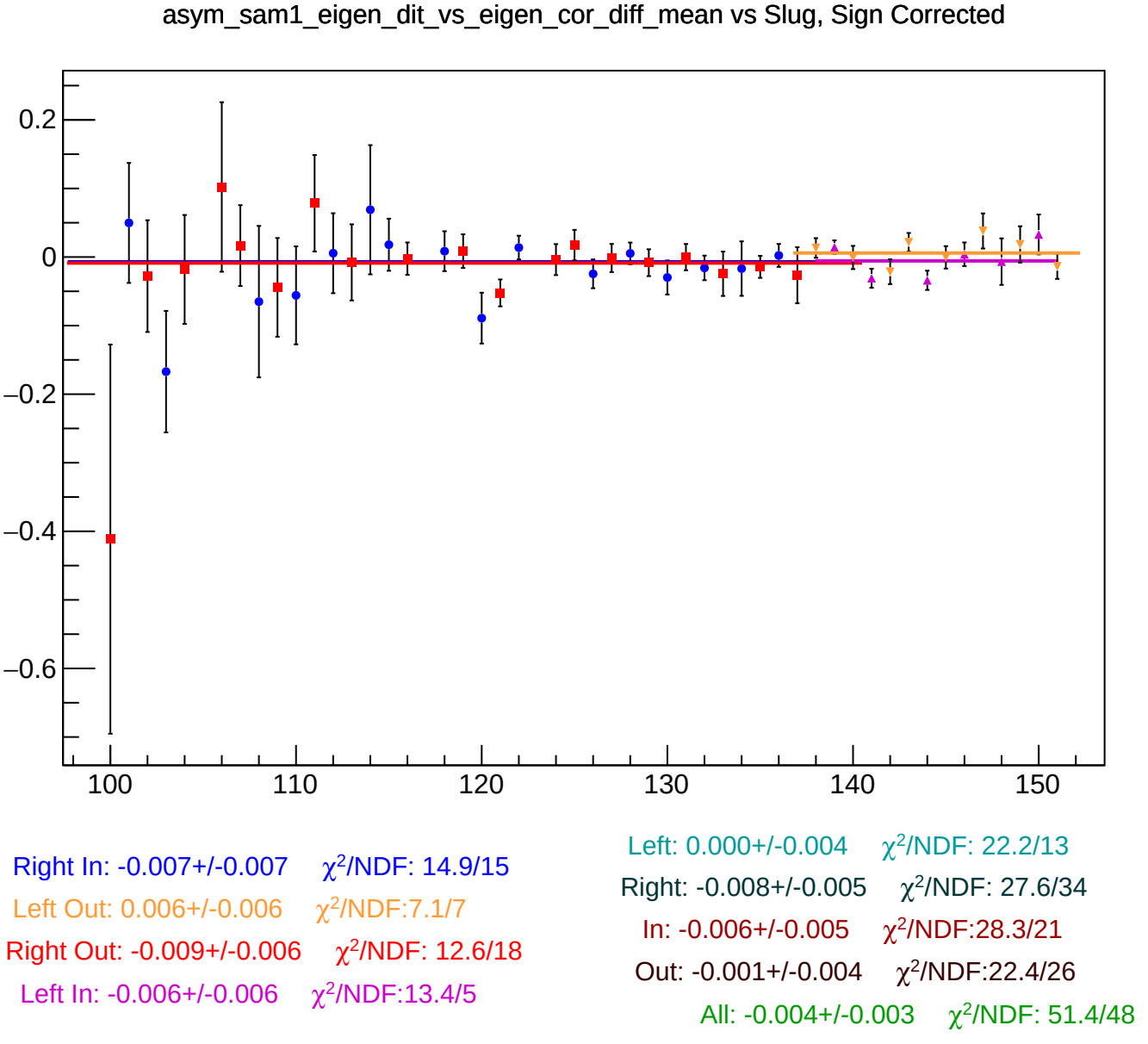
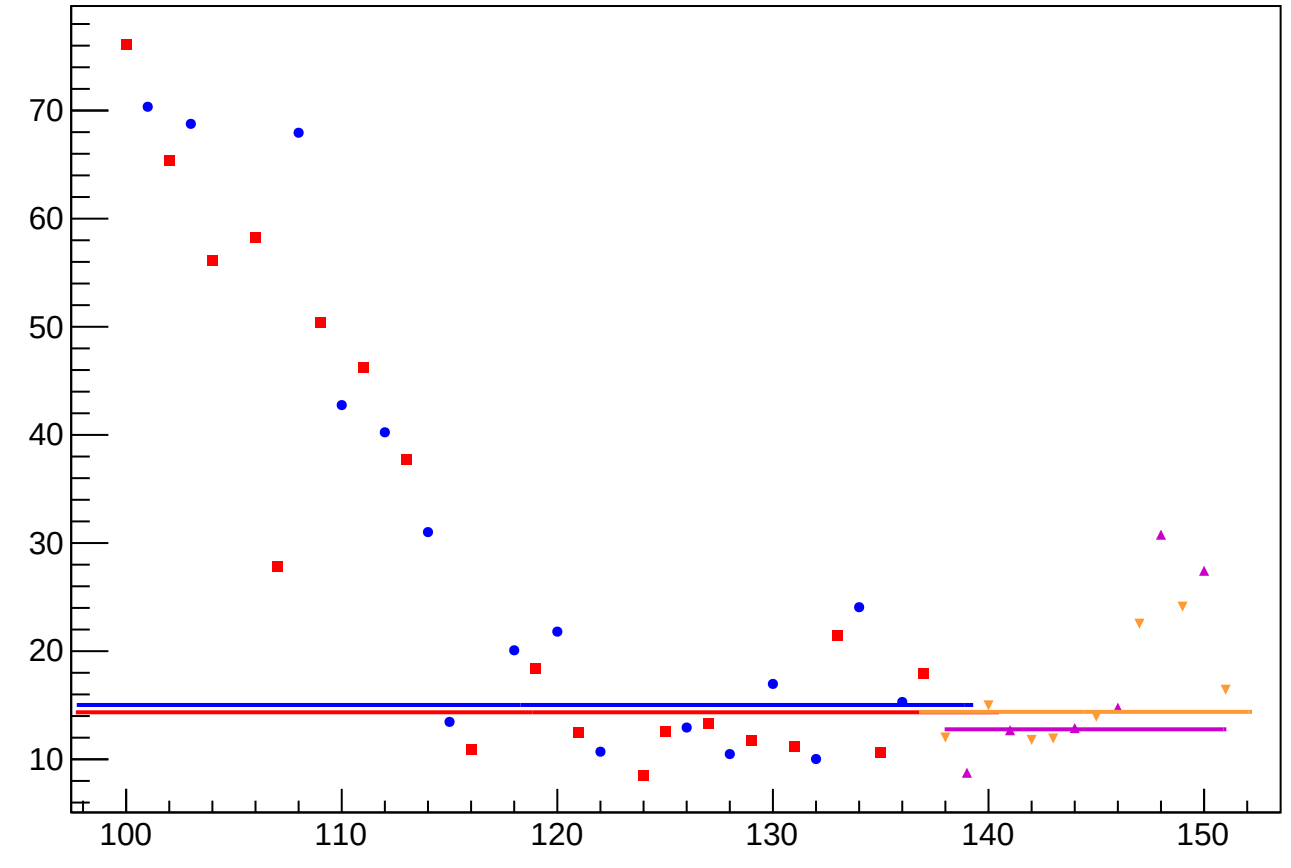
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:89988.8/7
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:84113.9/5
Left: 0.001+/-0.000 χ²/NDF: 177534.6/13
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:918747.0/21
Out: 0.001+/-0.000 χ²/NDF:497647.3/26
All: 0.001+/-0.000 χ²/NDF: 1430219.0/48


asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.006+/-0.006 χ²/NDF:7.1/7
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.006+/-0.006 χ²/NDF:13.4/5
Left: 0.000+/-0.004 χ²/NDF: 22.2/13
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.006+/-0.005 χ²/NDF:28.3/21
Out: -0.001+/-0.004 χ²/NDF:22.4/26
All: -0.004+/-0.003 χ²/NDF: 51.4/48


asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 15.025+/-0.005 χ²/NDF: 3438279.3/15
Left Out: 14.388+/-0.004 χ²/NDF:663674.3/7
Right Out: 14.348+/-0.005 χ²/NDF: 3629004.9/18
Left In: 12.774+/-0.004 χ²/NDF:1416974.7/5
Left: 13.595+/-0.003 χ²/NDF: 2148479.5/13
Right: 14.669+/-0.003 χ²/NDF: 7077938.8/34
In: 13.817+/-0.003 χ²/NDF:4975328.7/21
Out: 14.369+/-0.003 χ²/NDF:4292720.3/26
All: 14.102+/-0.002 χ²/NDF: 9283083.4/48


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.006+/-0.006 χ²/NDF:7.1/7
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.006+/-0.006 χ²/NDF:13.4/5
Left: 0.000+/-0.004 χ²/NDF: 22.2/13
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.006+/-0.005 χ²/NDF:28.3/21
Out: -0.001+/-0.004 χ²/NDF:22.4/26
All: -0.004+/-0.003 χ²/NDF: 51.4/48



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.388+/-0.004 χ^2/NDF:663674.3/7

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 12.774+/-0.004 χ^2/NDF:1416974.7/5

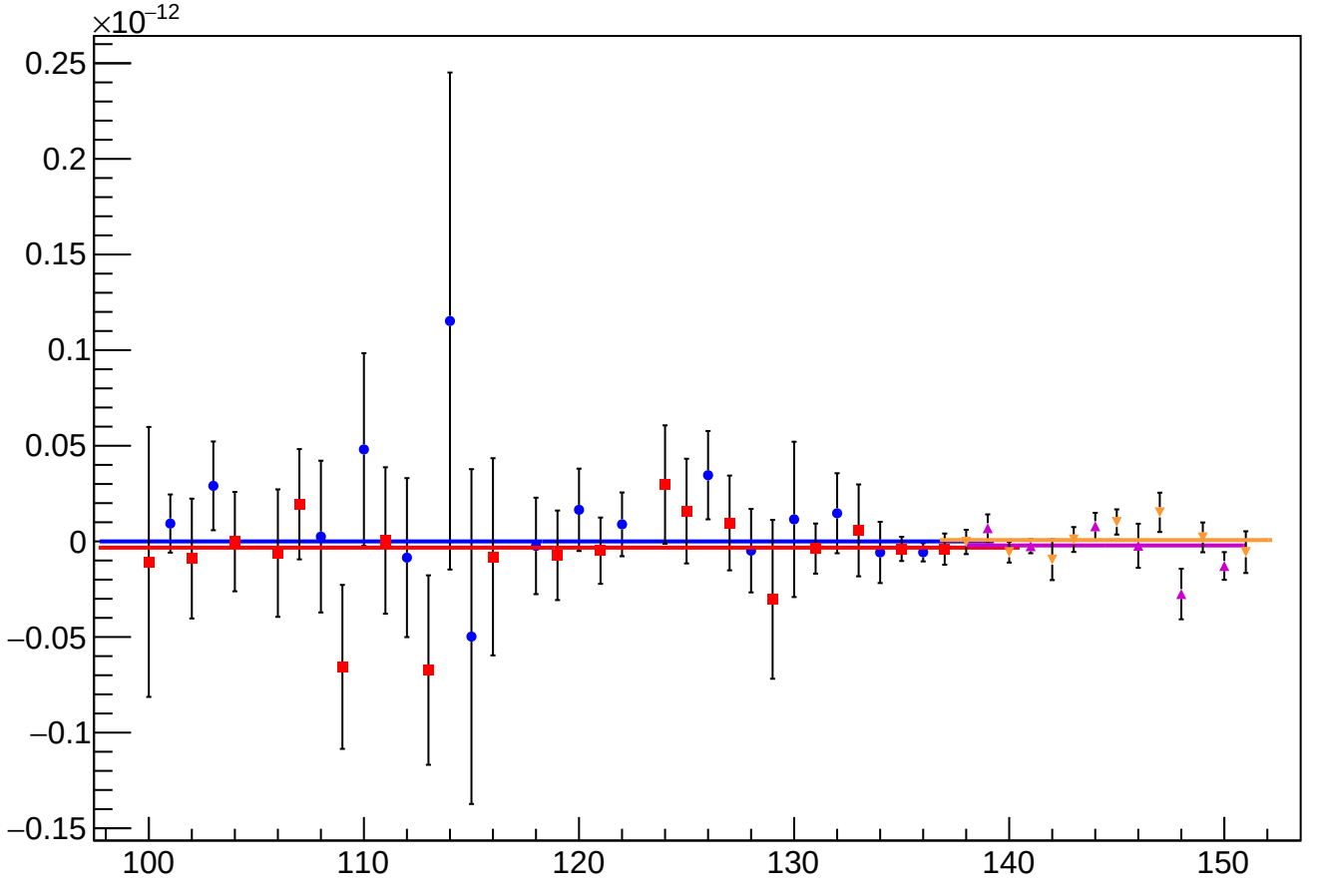
Left: 13.595+/-0.003 χ^2/NDF: 2148479.5/13

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.817+/-0.003 χ^2/NDF:4975328.7/21

Out: 14.369+/-0.003 χ^2/NDF:4292720.3/26

All: 14.102+/-0.002 χ^2/NDF: 9283083.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.5/5

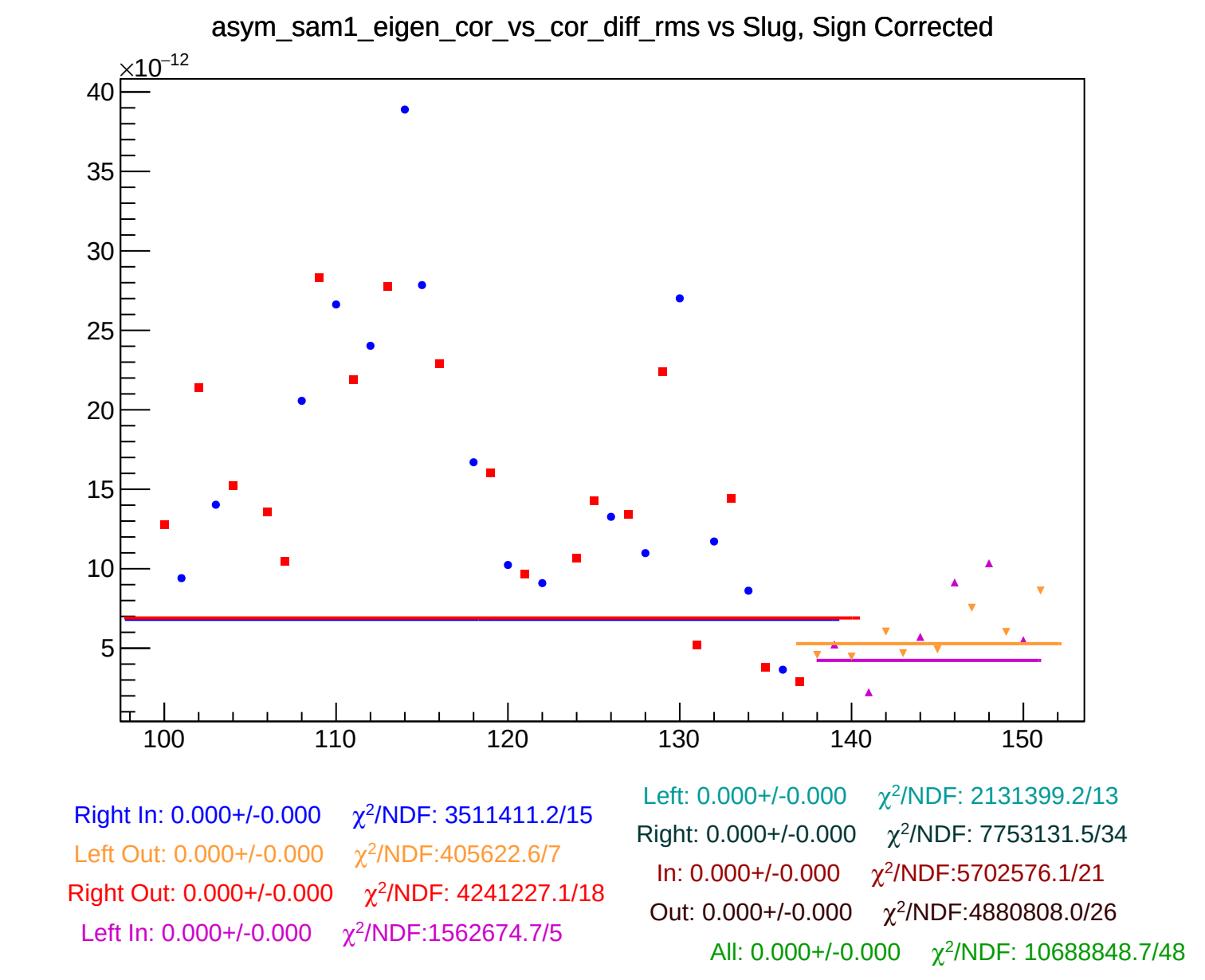
Left: -0.000+/-0.000 χ^2/NDF: 16.8/13

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:19.0/21

Out: -0.000+/-0.000 χ^2/NDF:14.4/26

All: -0.000+/-0.000 χ^2/NDF: 33.6/48


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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35
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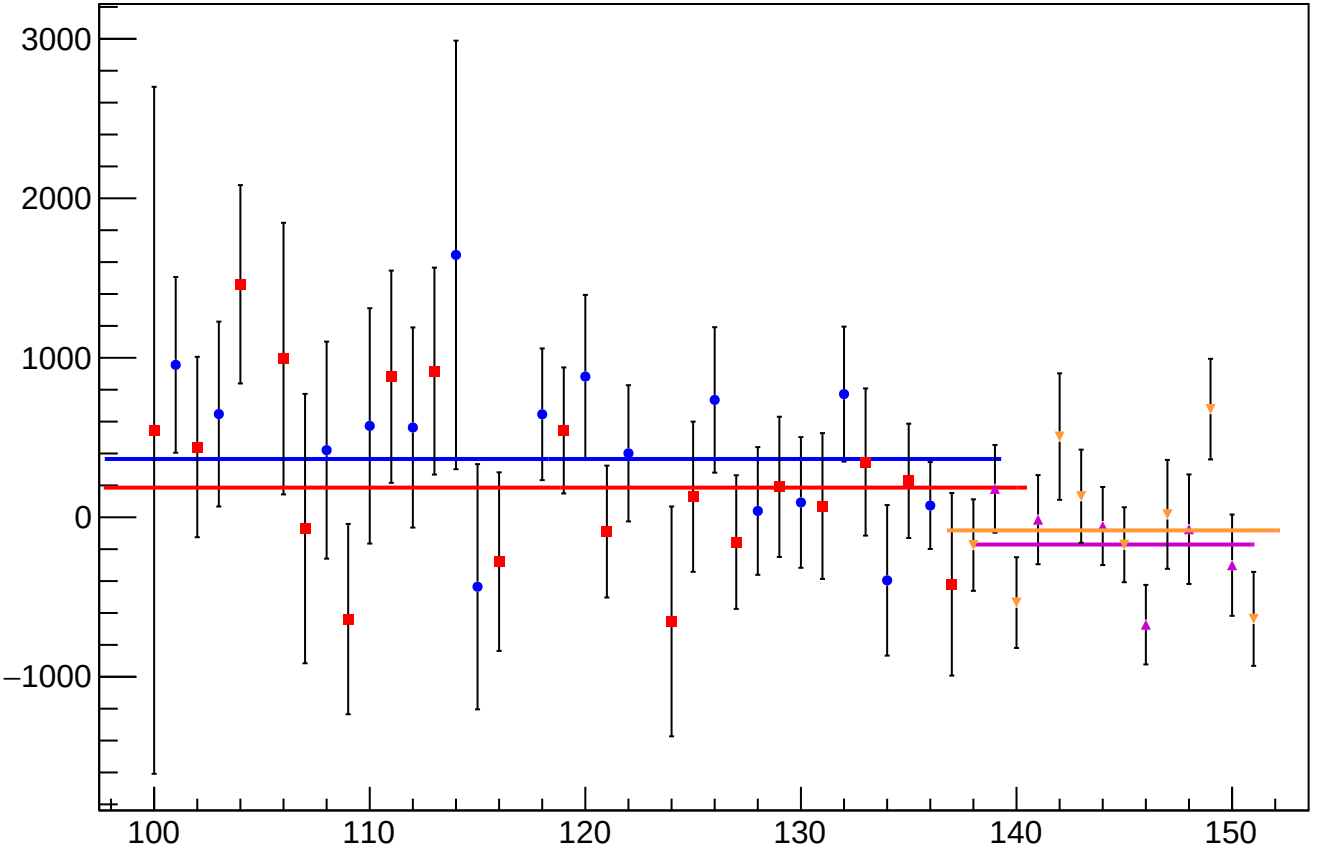
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:405622.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:1562674.7/5
Left: 0.000+/-0.000 χ²/NDF: 2131399.2/13
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5702576.1/21
Out: 0.000+/-0.000 χ²/NDF:4880808.0/26
All: 0.000+/-0.000 χ²/NDF: 10688848.7/48

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -82.019+/-104.918 χ^2/NDF:15.0/7

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -170.789+/-113.818 χ^2/NDF:6.5/5

Left: -122.798+/-77.143 χ^2/NDF: 21.7/13

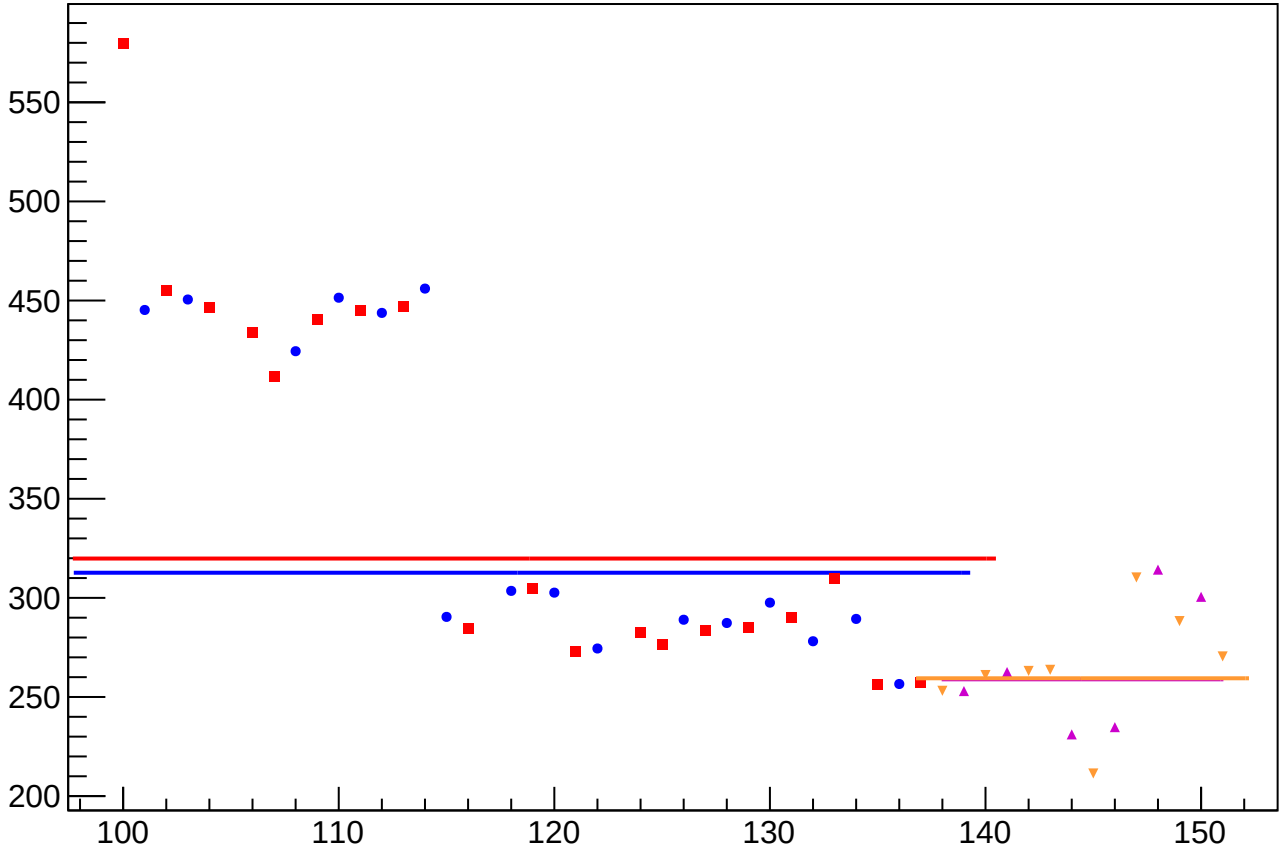
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 85.730+/-82.210 χ^2/NDF:28.6/21

Out: 33.955+/-79.039 χ^2/NDF:32.8/26

All: 58.825+/-56.977 χ^2/NDF: 61.6/48

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 259.433+/-0.074 χ^2/NDF:149131.5/7

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 258.908+/-0.080 χ^2/NDF:132027.1/5

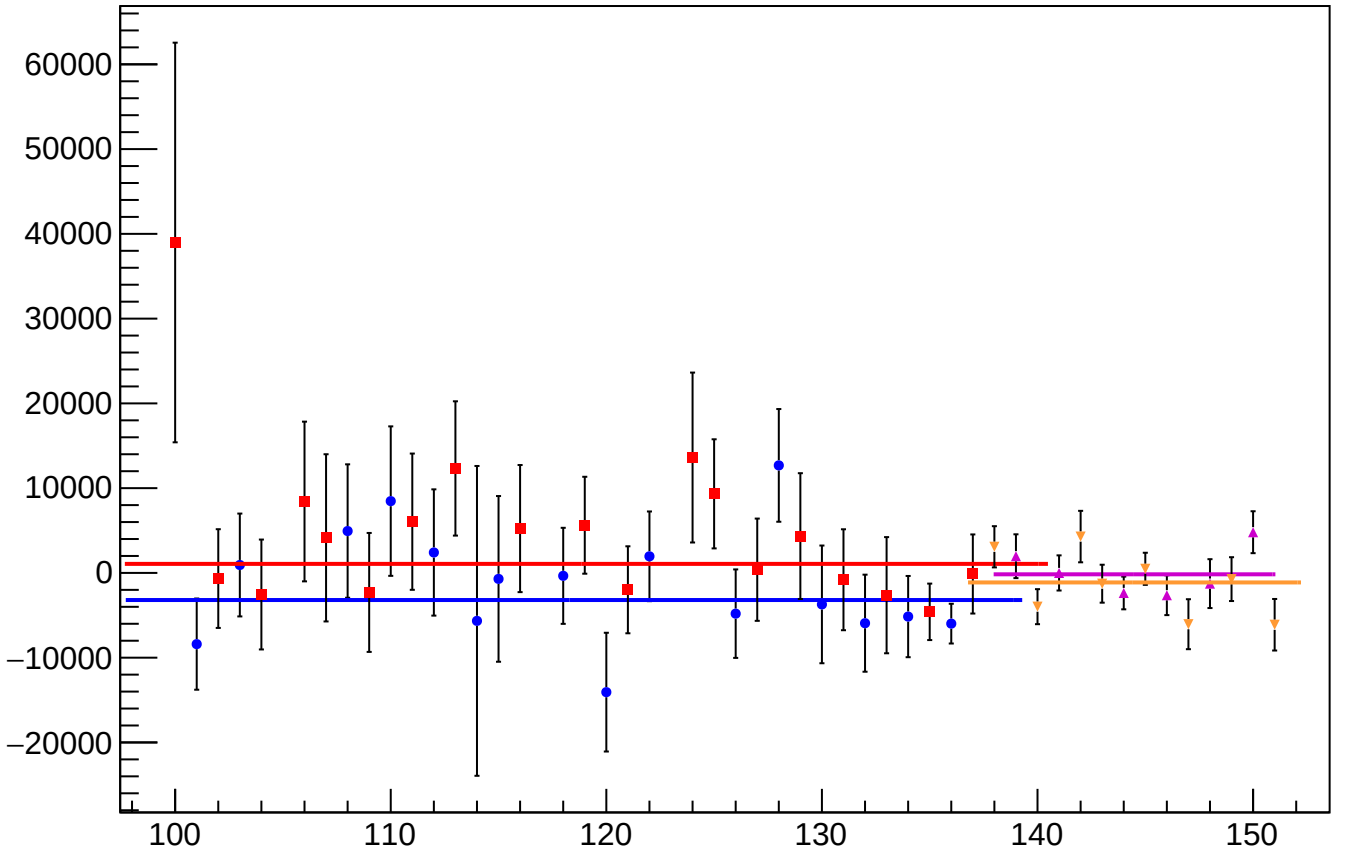
Left: 259.192+/-0.055 χ^2/NDF: 281181.6/13

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 284.628+/-0.058 χ^2/NDF:947762.3/21

Out: 285.558+/-0.056 χ^2/NDF:1133740.1/26

All: 285.111+/-0.040 χ^2/NDF: 2081635.5/48



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1124.091+/-856.435 χ^2/NDF:14.3/7

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -164.119+/-946.602 χ^2/NDF:7.3/5

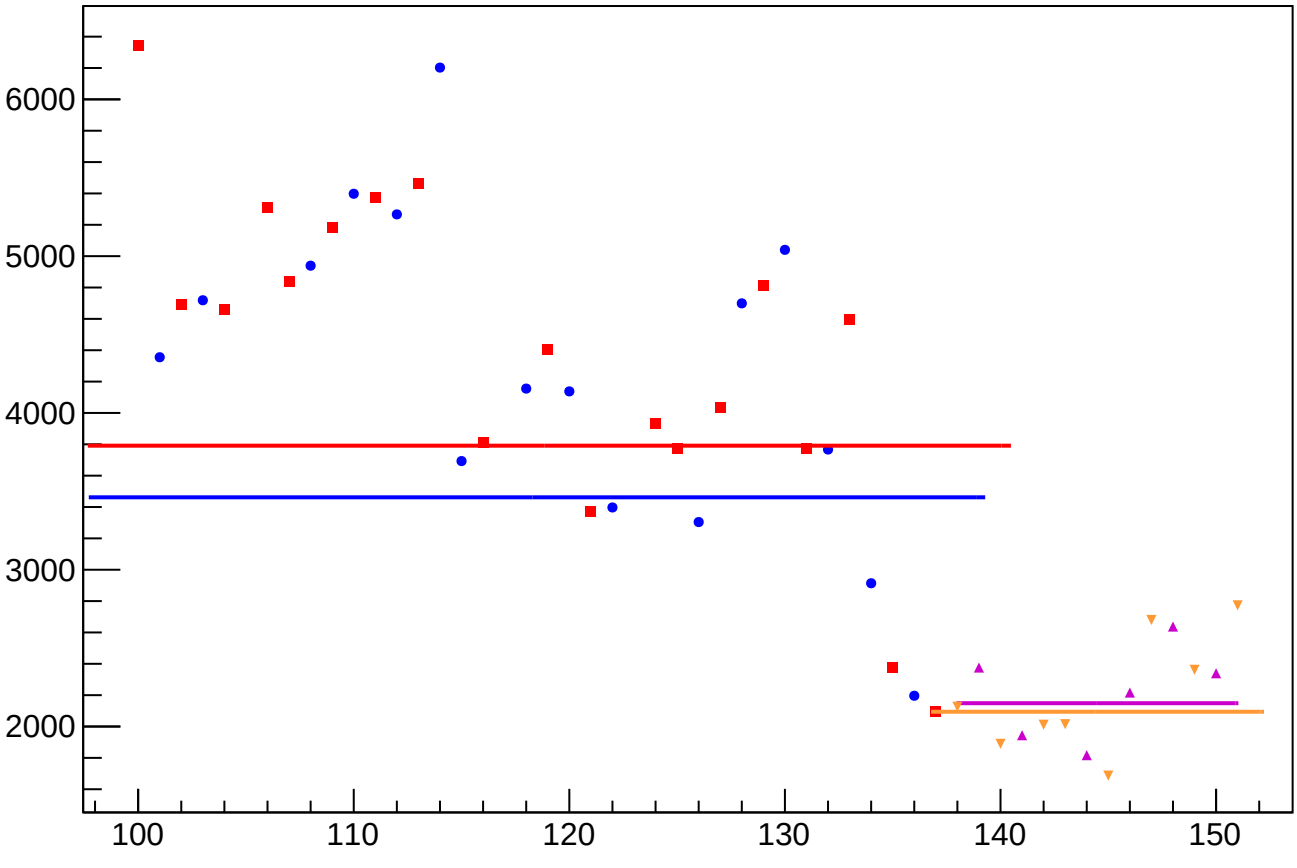
Left: -691.992+/-635.082 χ^2/NDF: 22.2/13

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1160.573+/-775.774 χ^2/NDF:26.7/21

Out: -553.792+/-736.531 χ^2/NDF:30.4/26

All: -841.447+/-534.141 χ^2/NDF: 57.5/48



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2094.255+/-0.606 χ^2/NDF:316314.6/7

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2148.779+/-0.669 χ^2/NDF:164998.5/5

Left: 2118.797+/-0.449 χ^2/NDF: 484961.9/13

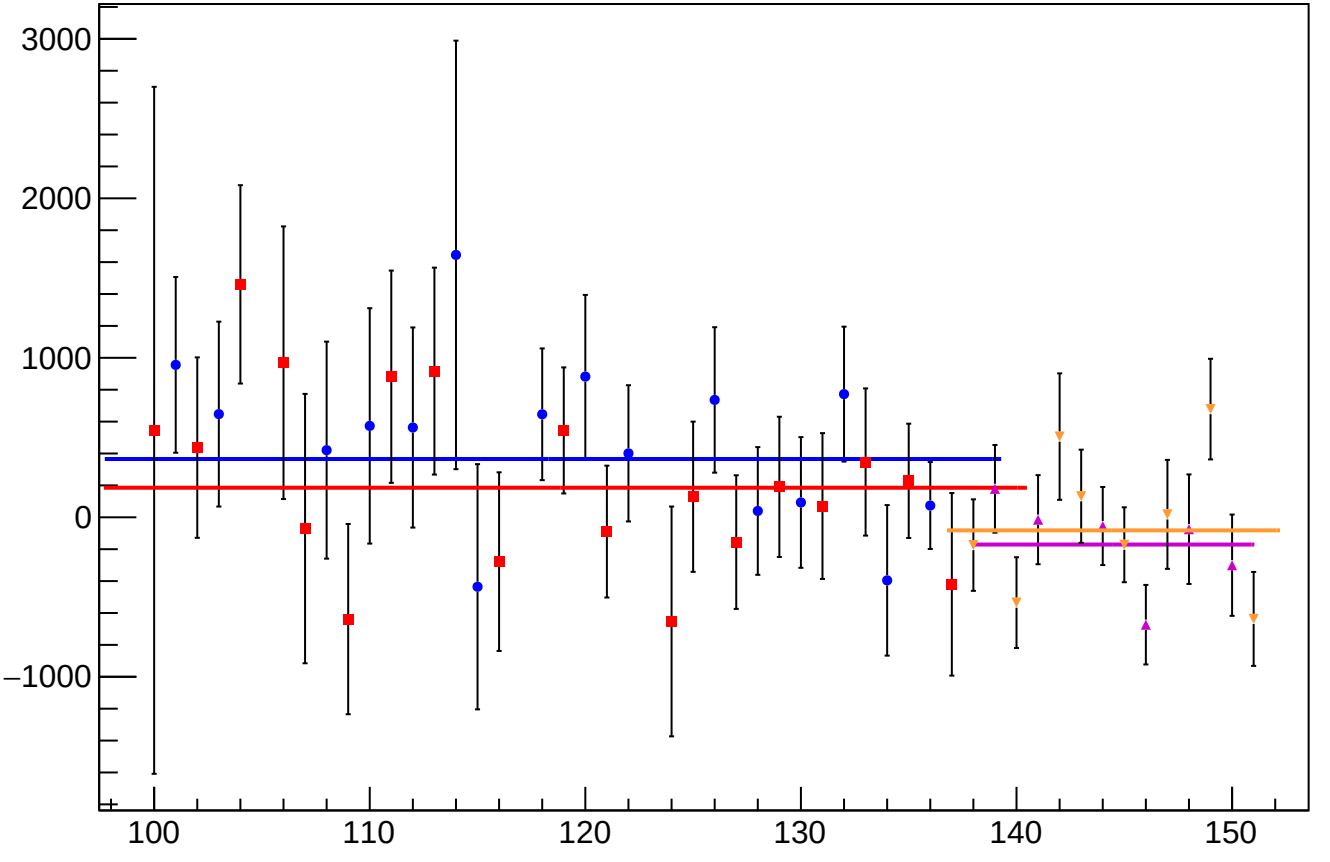
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2579.967+/-0.549 χ^2/NDF:2738368.9/21

Out: 2536.153+/-0.521 χ^2/NDF:3516786.8/26

All: 2556.924+/-0.378 χ^2/NDF: 6258510.8/48

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -82.016+/-104.918 χ^2/NDF:15.0/7

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -170.786+/-113.818 χ^2/NDF:6.5/5

Left: -122.795+/-77.143 χ^2/NDF: 21.7/13

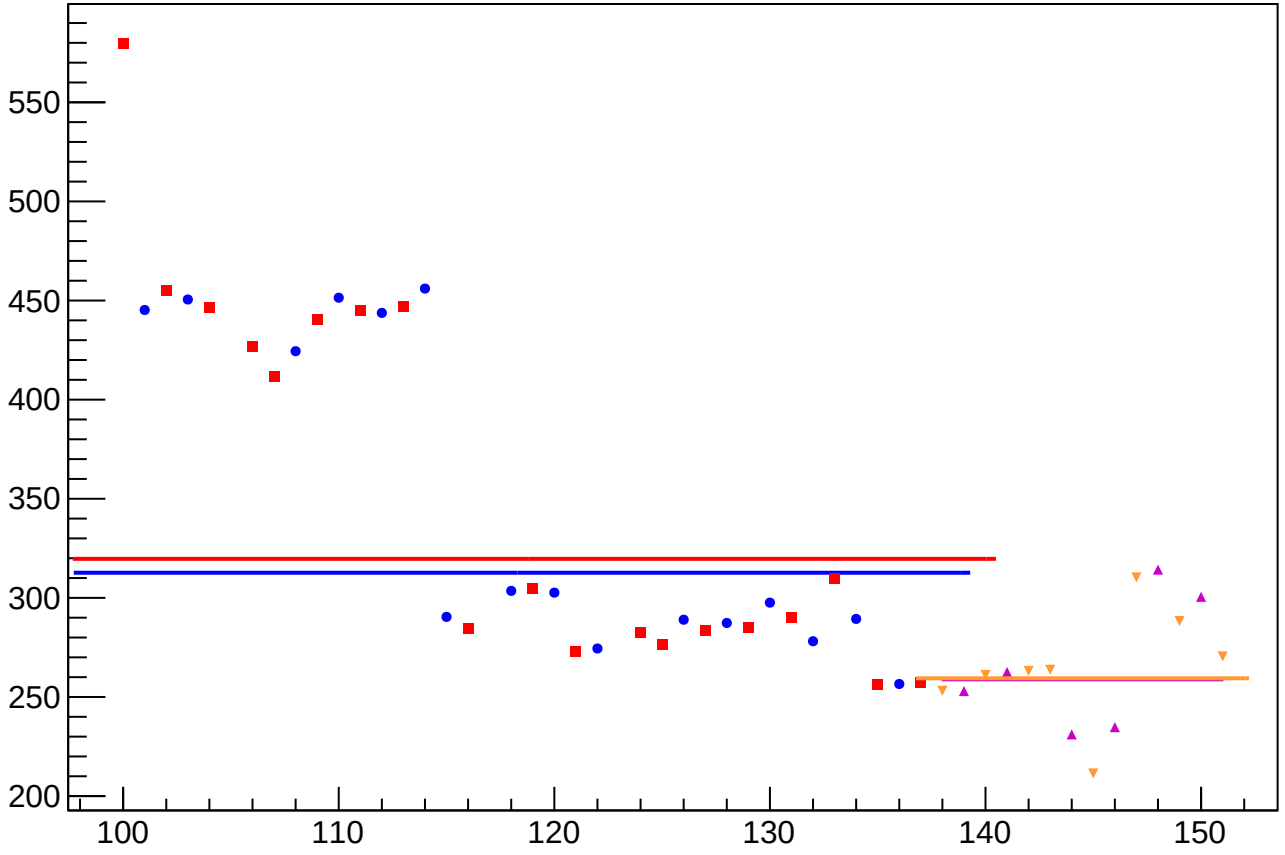
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 85.724+/-82.211 χ^2/NDF:28.6/21

Out: 33.594+/-79.042 χ^2/NDF:32.7/26

All: 58.635+/-56.978 χ^2/NDF: 61.5/48

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.433+/-0.074 χ^2/NDF:149131.5/7

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.908+/-0.080 χ^2/NDF:132027.1/5

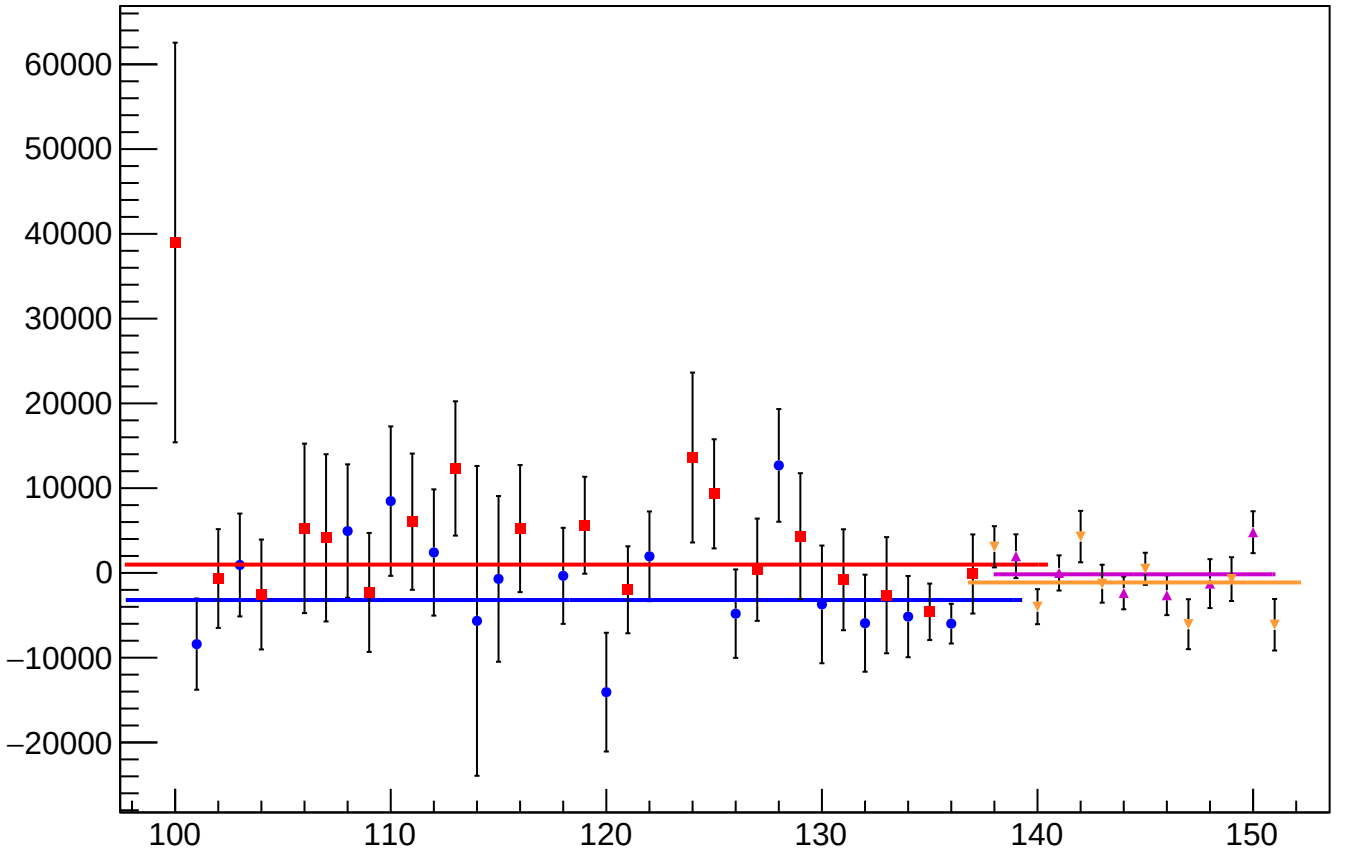
Left: 259.192+/-0.055 χ^2/NDF: 281181.6/13

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 284.628+/-0.058 χ^2/NDF:947763.9/21

Out: 285.491+/-0.056 χ^2/NDF:1128141.6/26

All: 285.076+/-0.040 χ^2/NDF: 2076020.2/48



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1124.084+/-856.435 χ^2/NDF:14.3/7

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -164.103+/-946.602 χ^2/NDF:7.3/5

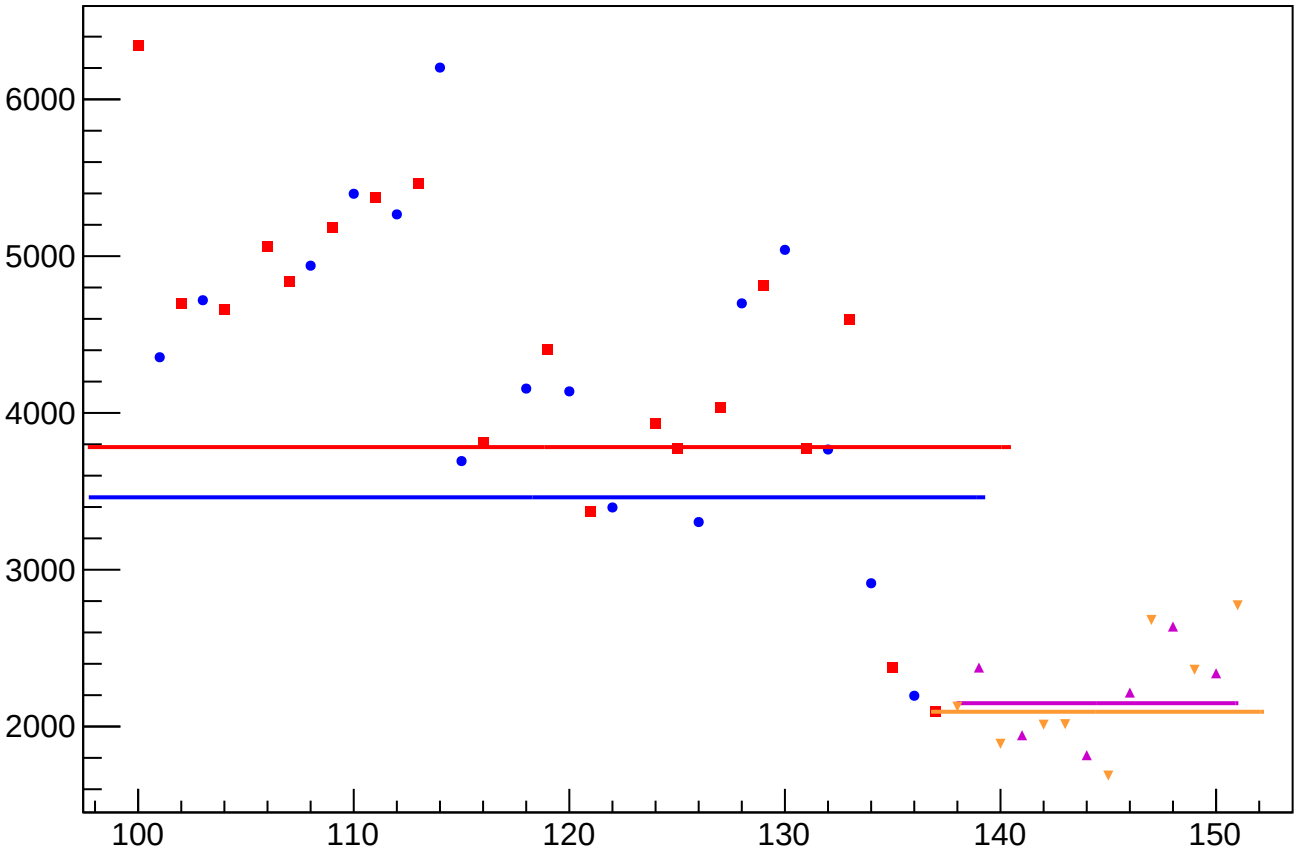
Left: -691.981+/-635.082 χ^2/NDF: 22.2/13

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1160.537+/-775.774 χ^2/NDF:26.7/21

Out: -577.009+/-736.788 χ^2/NDF:29.8/26

All: -853.743+/-534.239 χ^2/NDF: 56.9/48



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2094.254+/-0.606 χ^2/NDF:316315.3/7

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2148.780+/-0.669 χ^2/NDF:164999.0/5

Left: 2118.797+/-0.449 χ^2/NDF: 484963.3/13

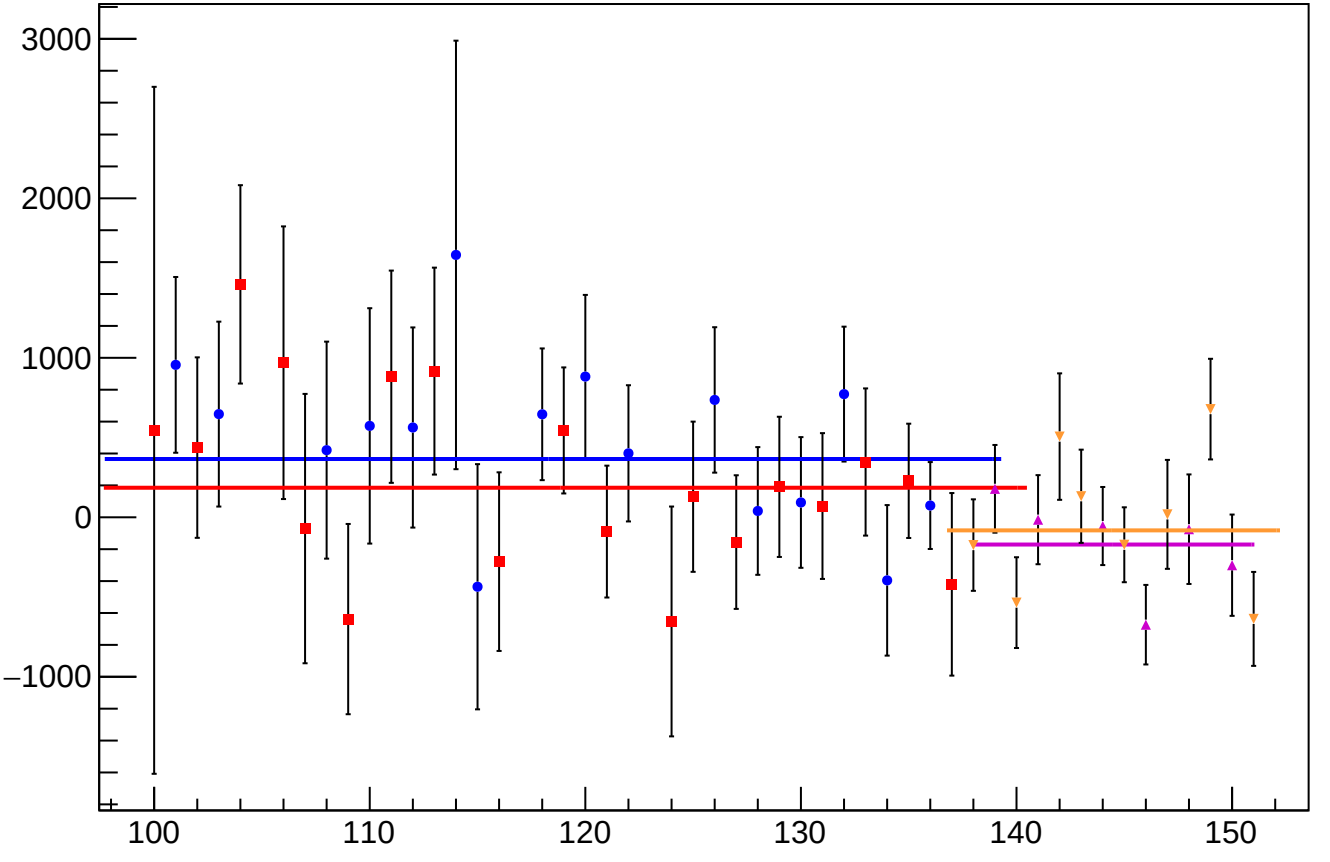
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2579.968+/-0.549 χ^2/NDF:2738388.9/21

Out: 2532.929+/-0.521 χ^2/NDF:3471656.5/26

All: 2555.237+/-0.378 χ^2/NDF: 6213911.4/48

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -82.016+/-104.918 χ^2/NDF:15.0/7

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -170.786+/-113.818 χ^2/NDF:6.5/5

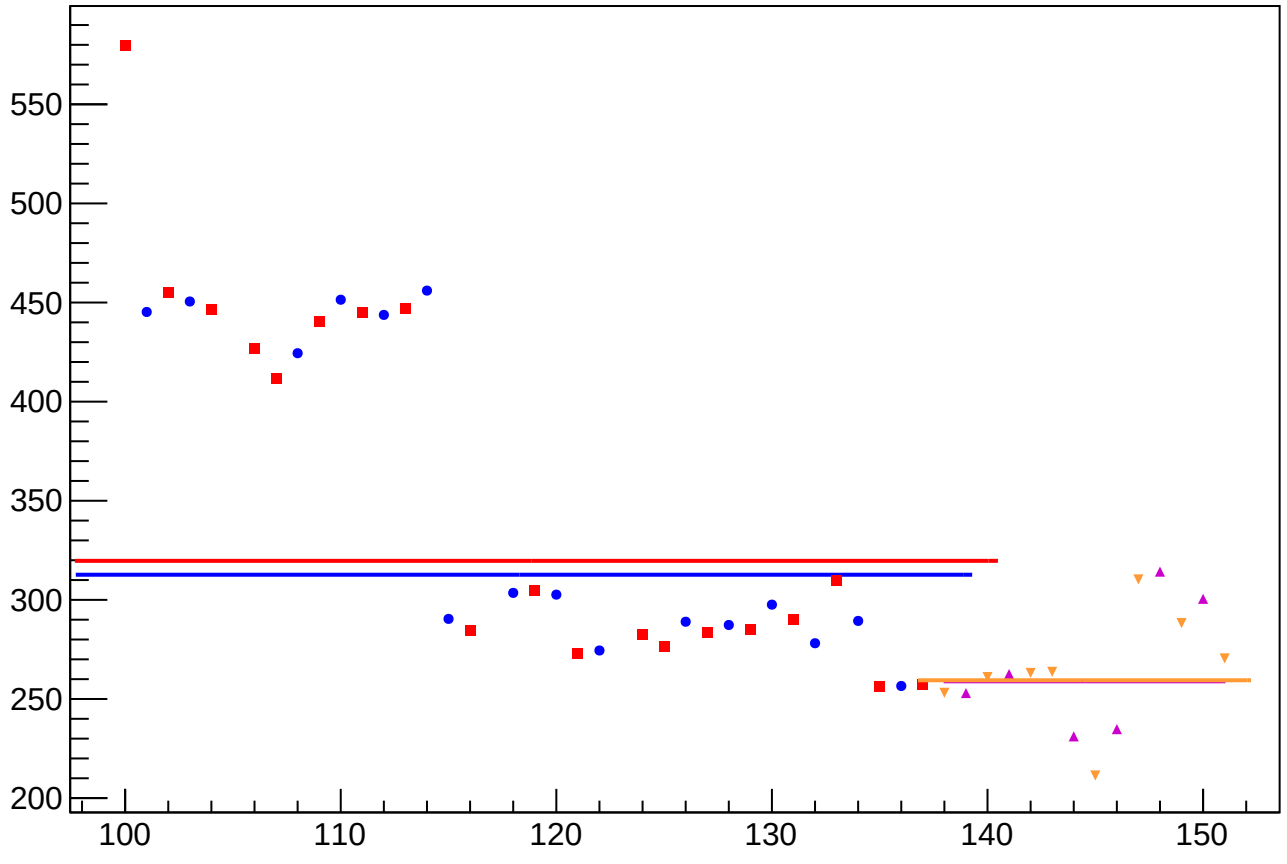
Left: -122.795+/-77.143 χ^2/NDF: 21.7/13

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 85.724+/-82.211 χ^2/NDF:28.6/21

Out: 33.594+/-79.042 χ^2/NDF:32.7/26

All: 58.635+/-56.978 χ^2/NDF: 61.5/48



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 259.433+/-0.074 χ^2/NDF:149131.5/7

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 258.908+/-0.080 χ^2/NDF:132027.1/5

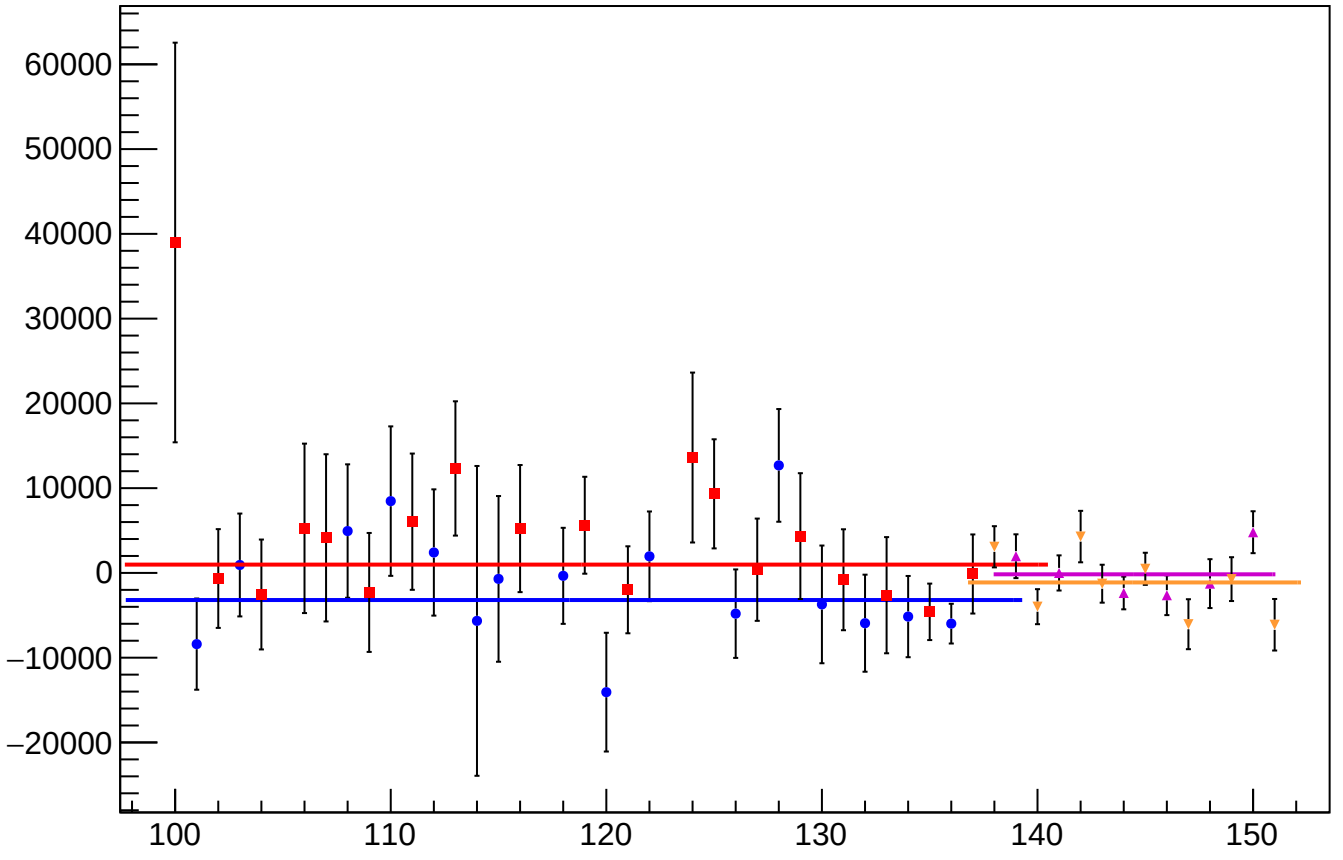
Left: 259.192+/-0.055 χ^2/NDF: 281181.6/13

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 284.628+/-0.058 χ^2/NDF:947763.9/21

Out: 285.491+/-0.056 χ^2/NDF:1128141.6/26

All: 285.076+/-0.040 χ^2/NDF: 2076020.2/48



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1124.084+/-856.435 χ^2/NDF:14.3/7

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -164.103+/-946.602 χ^2/NDF:7.3/5

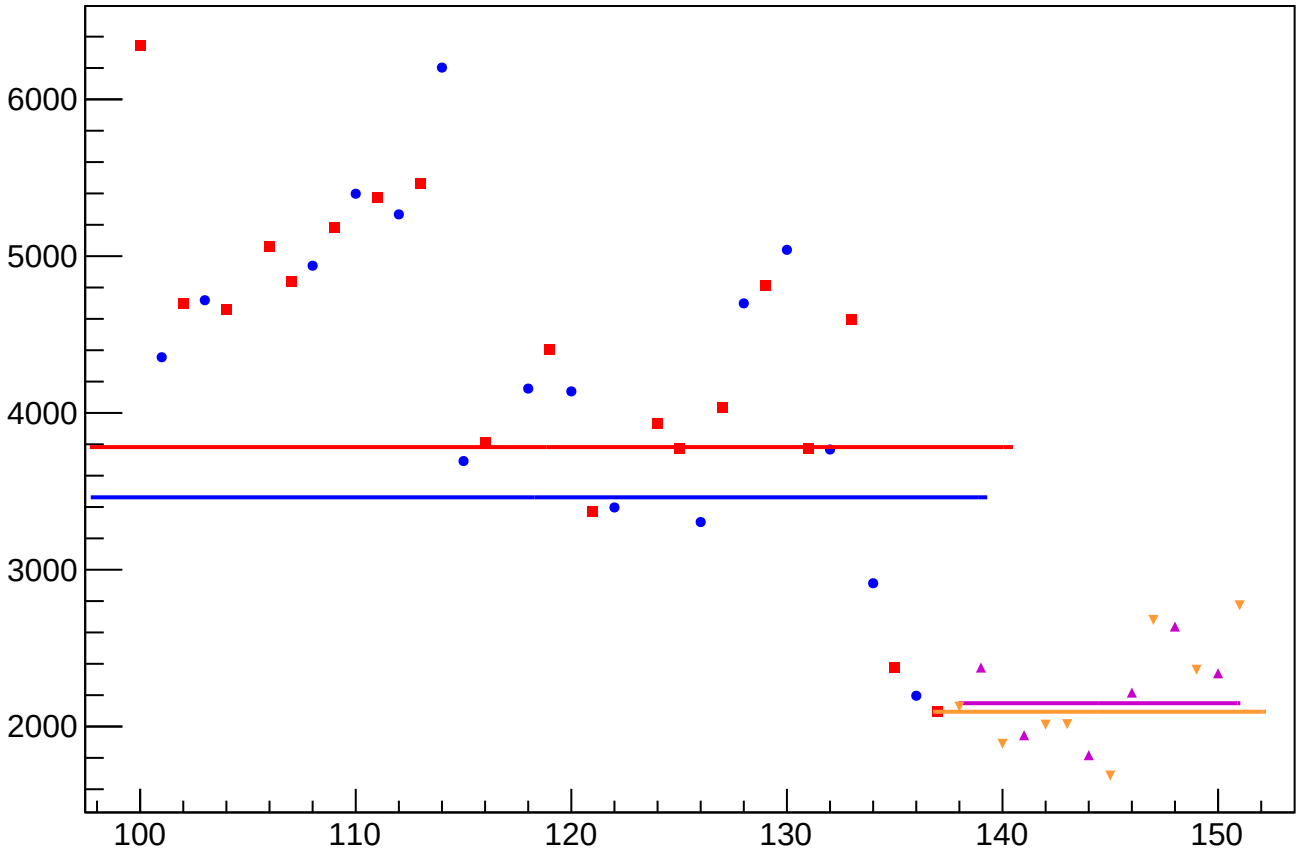
Left: -691.981+/-635.082 χ^2/NDF: 22.2/13

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1160.537+/-775.774 χ^2/NDF:26.7/21

Out: -577.009+/-736.788 χ^2/NDF:29.8/26

All: -853.743+/-534.239 χ^2/NDF: 56.9/48



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2094.254+/-0.606 χ^2/NDF:316315.3/7

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2148.780+/-0.669 χ^2/NDF:164999.0/5

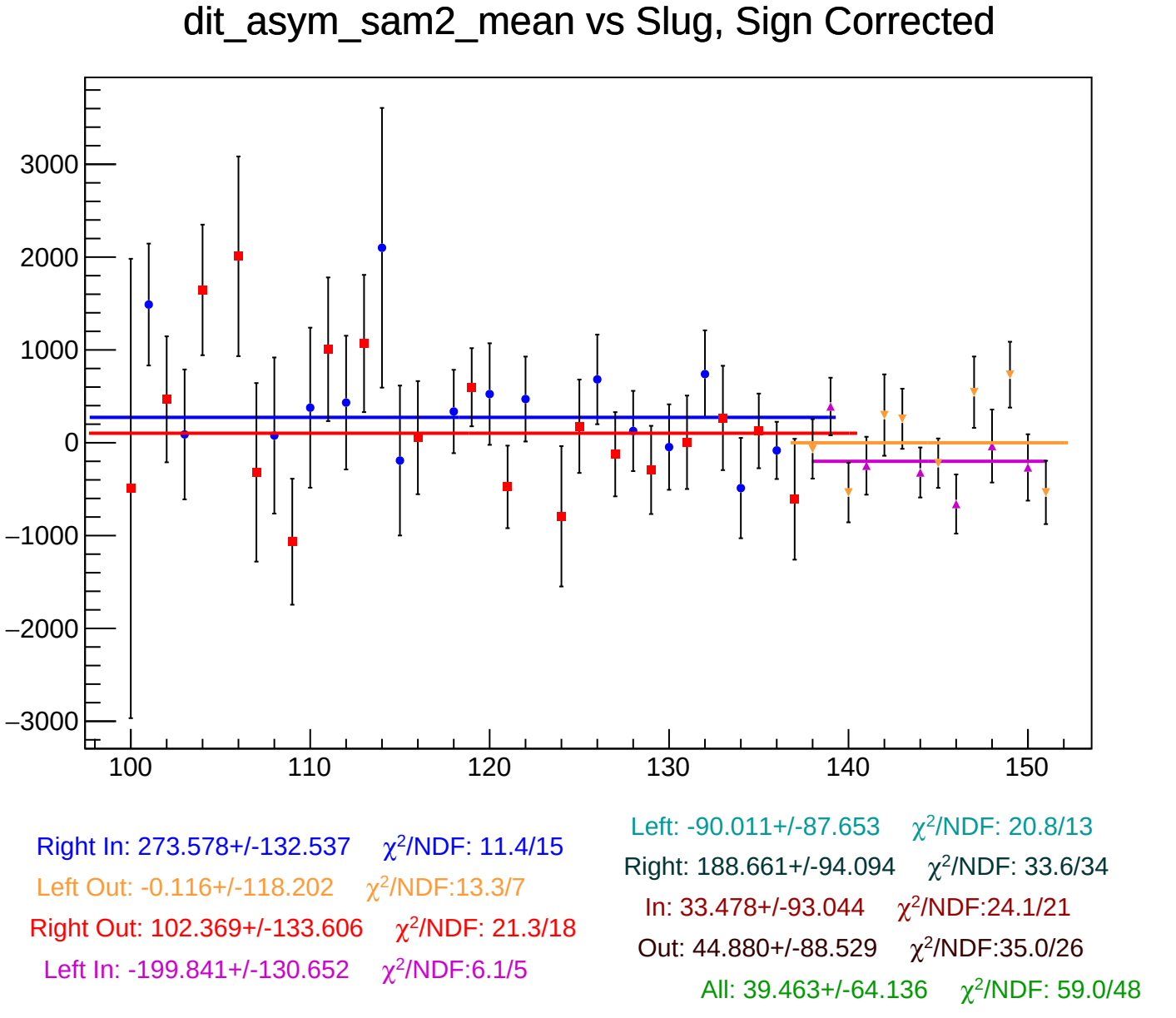
Left: 2118.797+/-0.449 χ^2/NDF: 484963.3/13

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

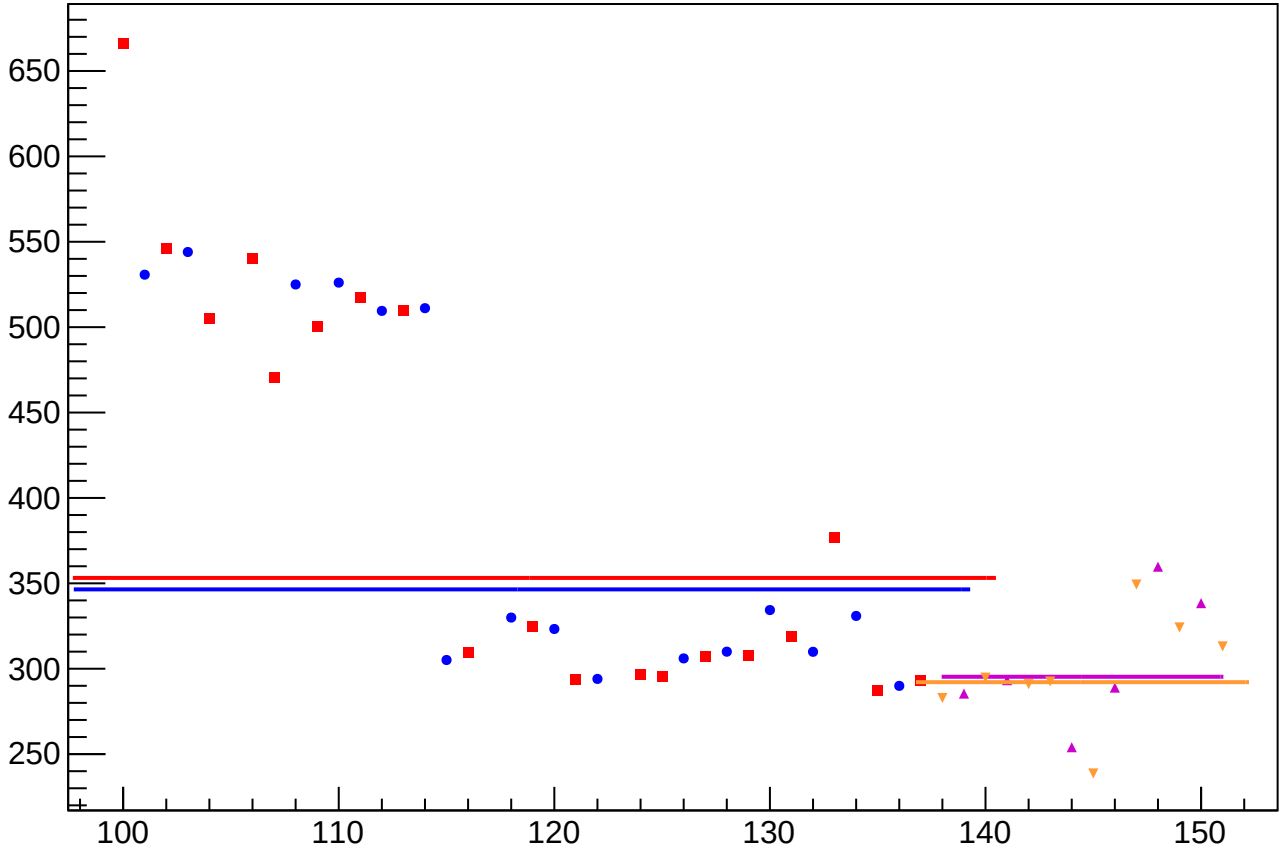
In: 2579.968+/-0.549 χ^2/NDF:2738388.9/21

Out: 2532.929+/-0.521 χ^2/NDF:3471656.5/26

All: 2555.237+/-0.378 χ^2/NDF: 6213911.4/48


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
Right In: 273.578+/-132.537 χ²/NDF: 11.4/15
Left Out: -0.116+/-118.202 χ²/NDF:13.3/7
Right Out: 102.369+/-133.606 χ²/NDF: 21.3/18
Left In: -199.841+/-130.652 χ²/NDF:6.1/5
Left: -90.011+/-87.653 χ²/NDF: 20.8/13
Right: 188.661+/-94.094 χ²/NDF: 33.6/34
In: 33.478+/-93.044 χ²/NDF:24.1/21
Out: 44.880+/-88.529 χ²/NDF:35.0/26
All: 39.463+/-64.136 χ²/NDF: 59.0/48

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 292.123+/-0.084 χ^2/NDF:150608.1/7

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 295.295+/-0.092 χ^2/NDF:132699.7/5

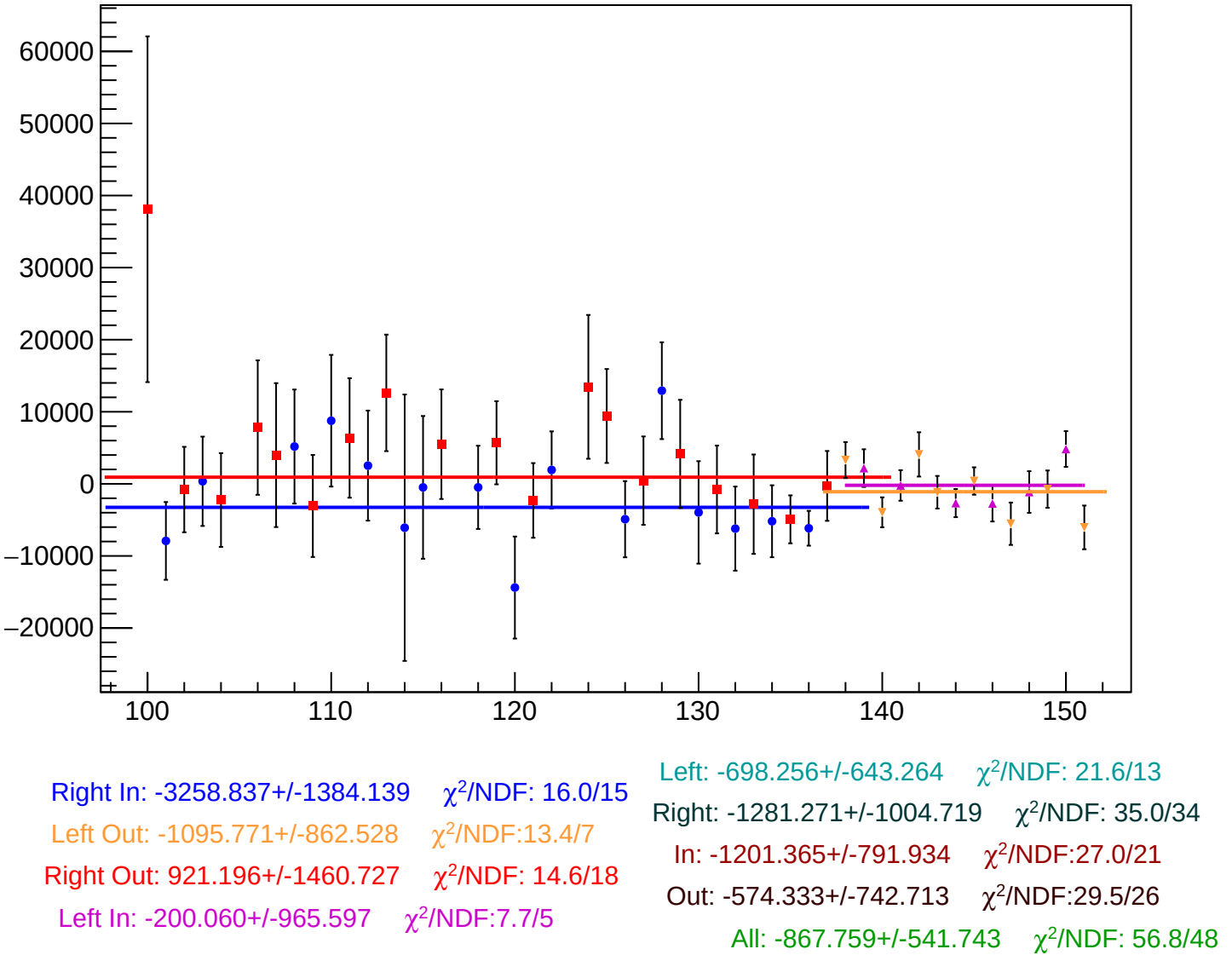
Left: 293.551+/-0.062 χ^2/NDF: 283955.7/13

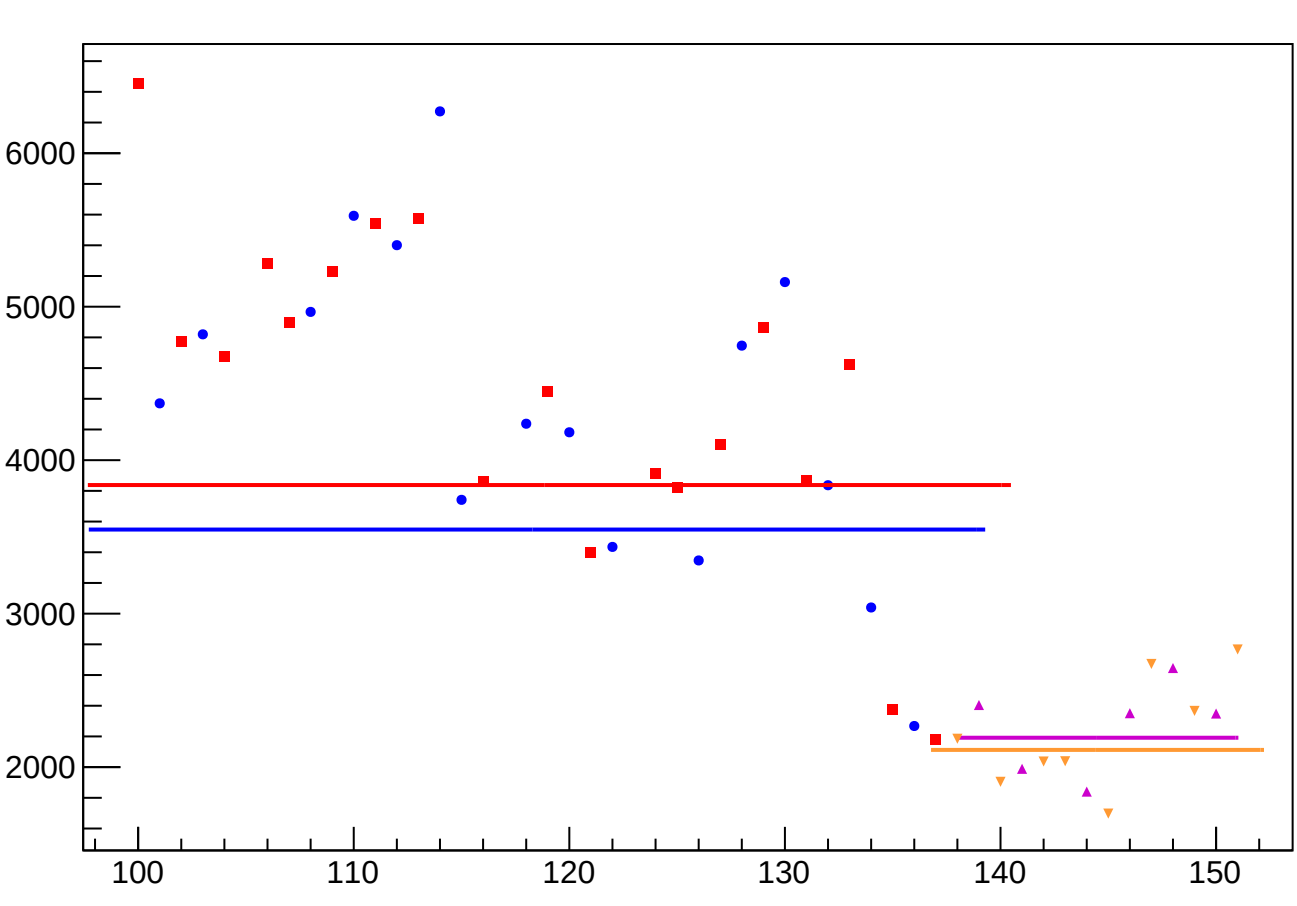
Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 320.508+/-0.066 χ^2/NDF:1052598.2/21

Out: 318.929+/-0.063 χ^2/NDF:1251250.5/26

All: 319.680+/-0.045 χ^2/NDF: 2304151.0/48


asym_sam2_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -3258.837+/-1384.139 χ²/NDF: 16.0/15
Left Out: -1095.771+/-862.528 χ²/NDF:13.4/7
Right Out: 921.196+/-1460.727 χ²/NDF: 14.6/18
Left In: -200.060+/-965.597 χ²/NDF:7.7/5
Left: -698.256+/-643.264 χ²/NDF: 21.6/13
Right: -1281.271+/-1004.719 χ²/NDF: 35.0/34
In: -1201.365+/-791.934 χ²/NDF:27.0/21
Out: -574.333+/-742.713 χ²/NDF:29.5/26
All: -867.759+/-541.743 χ²/NDF: 56.8/48



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2112.204+/-0.610 χ^2/NDF:305500.0/7

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2191.502+/-0.683 χ^2/NDF:161609.4/5

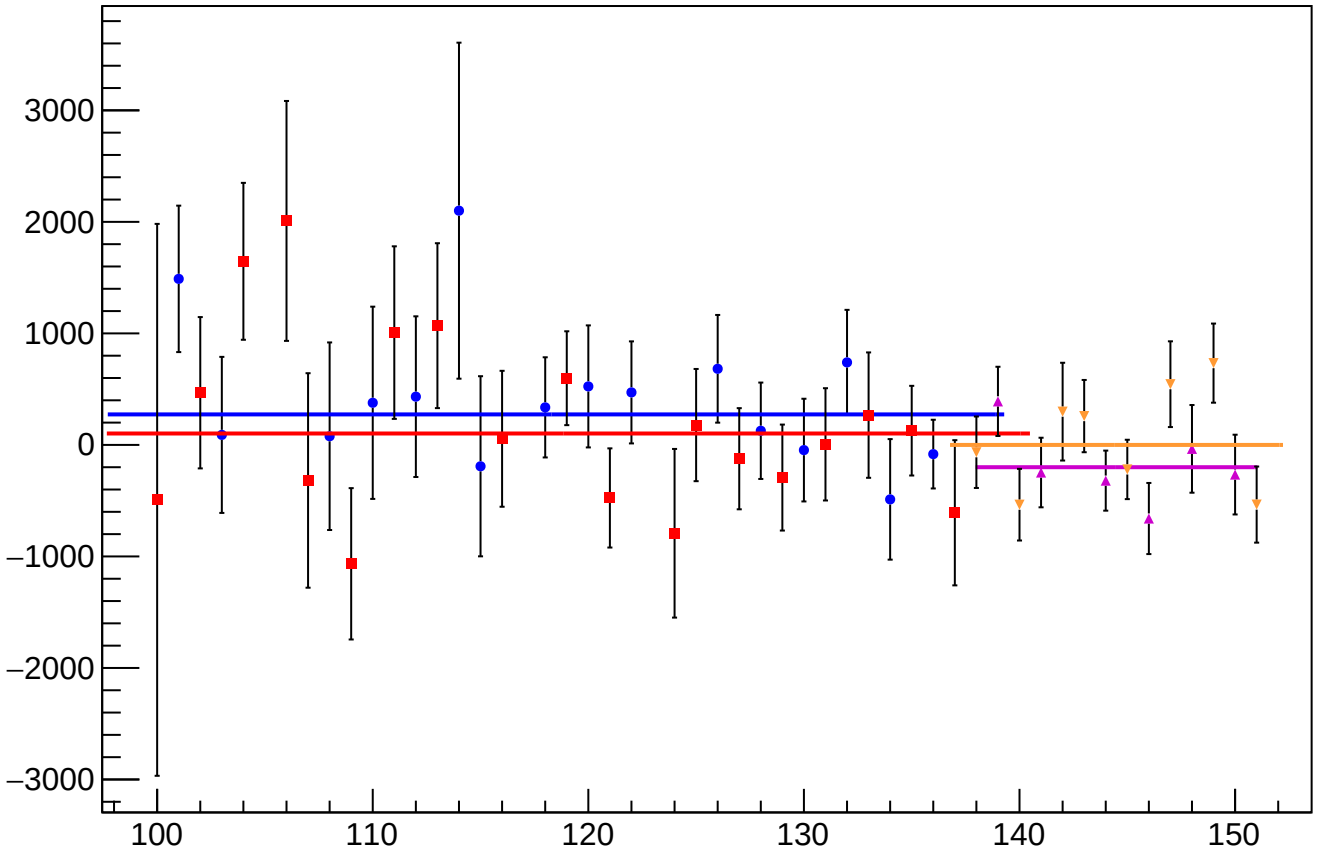
Left: 2147.396+/-0.455 χ^2/NDF: 474611.8/13

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2635.548+/-0.560 χ^2/NDF:2712133.3/21

Out: 2558.359+/-0.525 χ^2/NDF:3531242.2/26

All: 2594.480+/-0.383 χ^2/NDF: 6253484.5/48



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -0.120+/-118.202 χ^2/NDF:13.3/7

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -199.843+/-130.652 χ^2/NDF:6.1/5

Left: -90.014+/-87.653 χ^2/NDF: 20.8/13

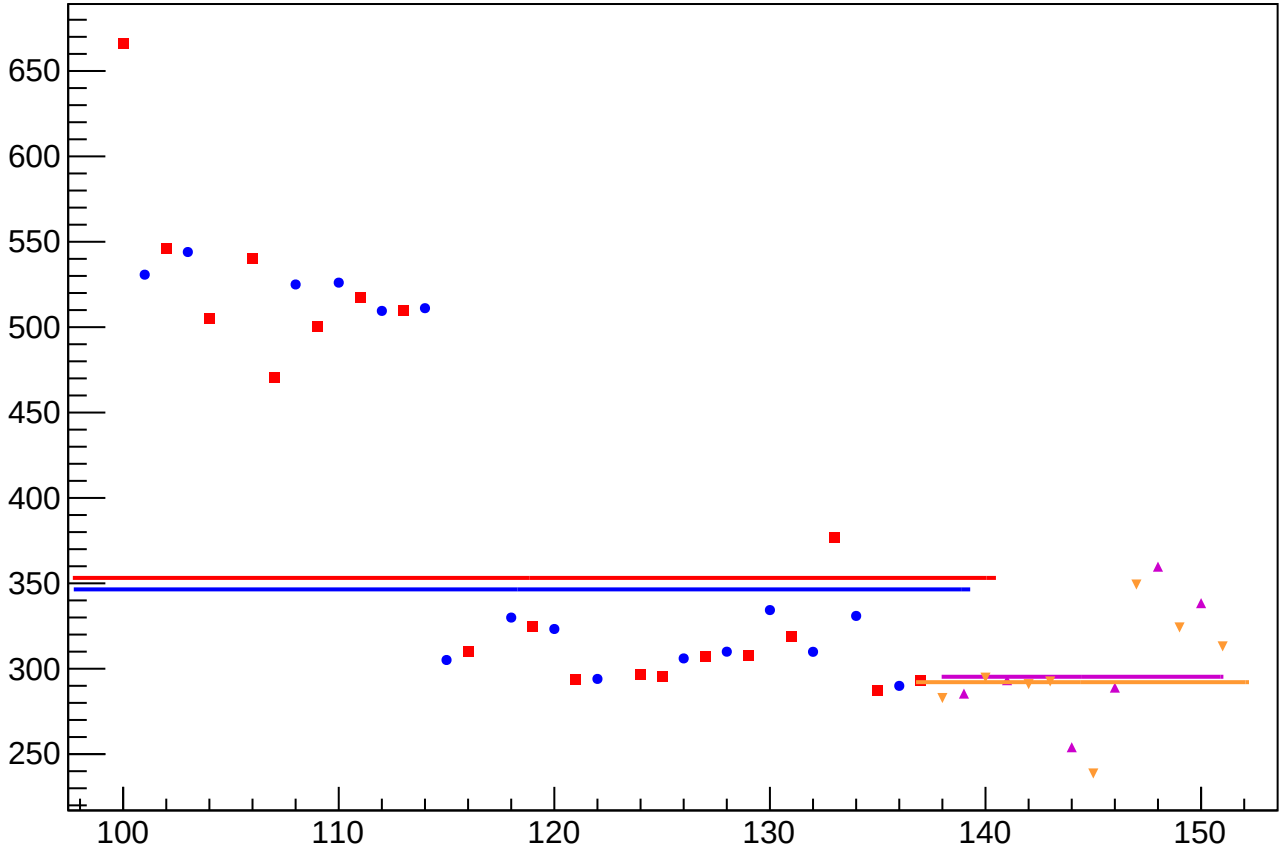
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 33.480+/-93.044 χ^2/NDF:24.1/21

Out: 44.878+/-88.529 χ^2/NDF:35.0/26

All: 39.462+/-64.136 χ^2/NDF: 59.0/48

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 292.124+/-0.084 χ^2/NDF:150611.1/7

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 295.295+/-0.092 χ^2/NDF:132700.9/5

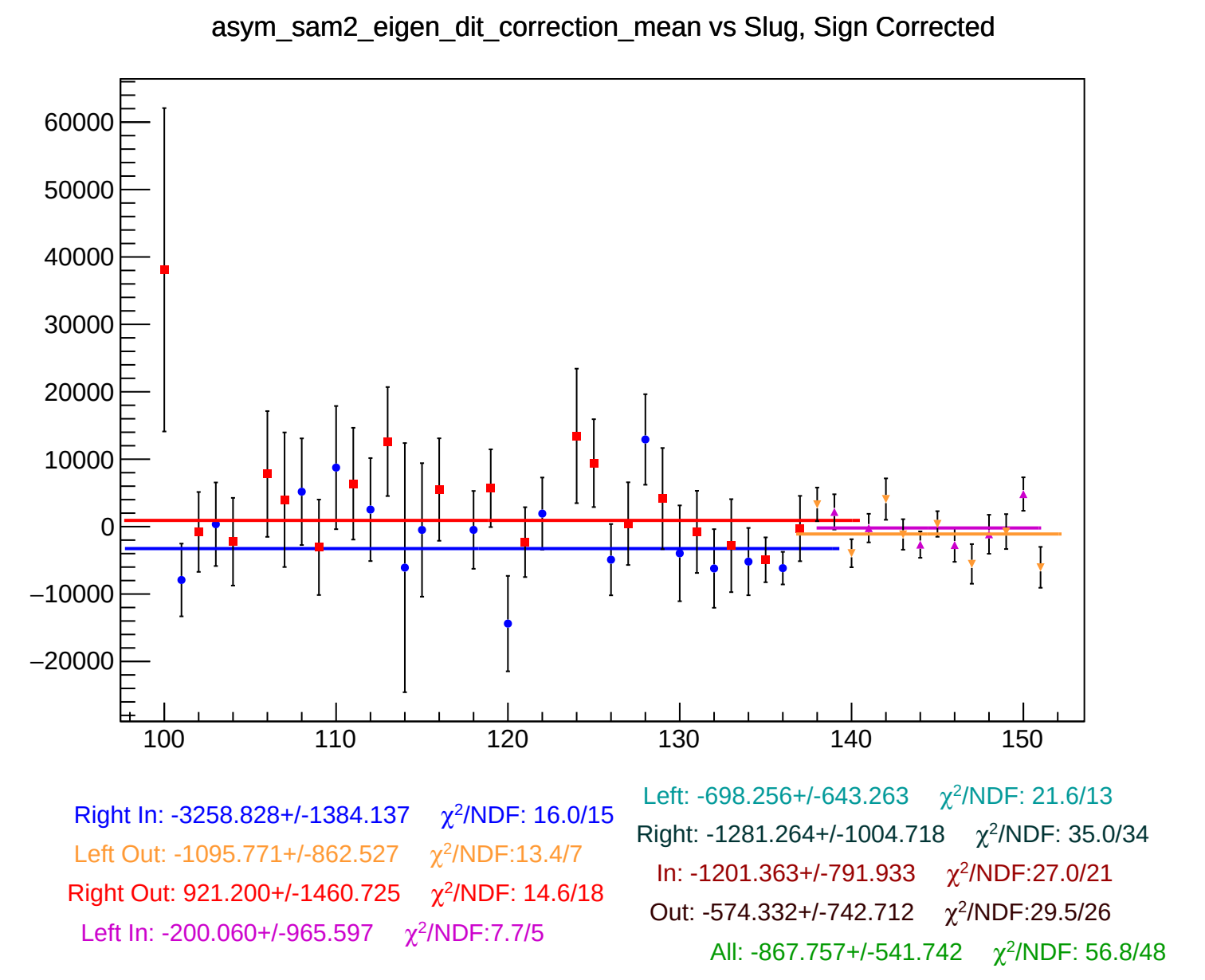
Left: 293.551+/-0.062 χ^2/NDF: 283959.9/13

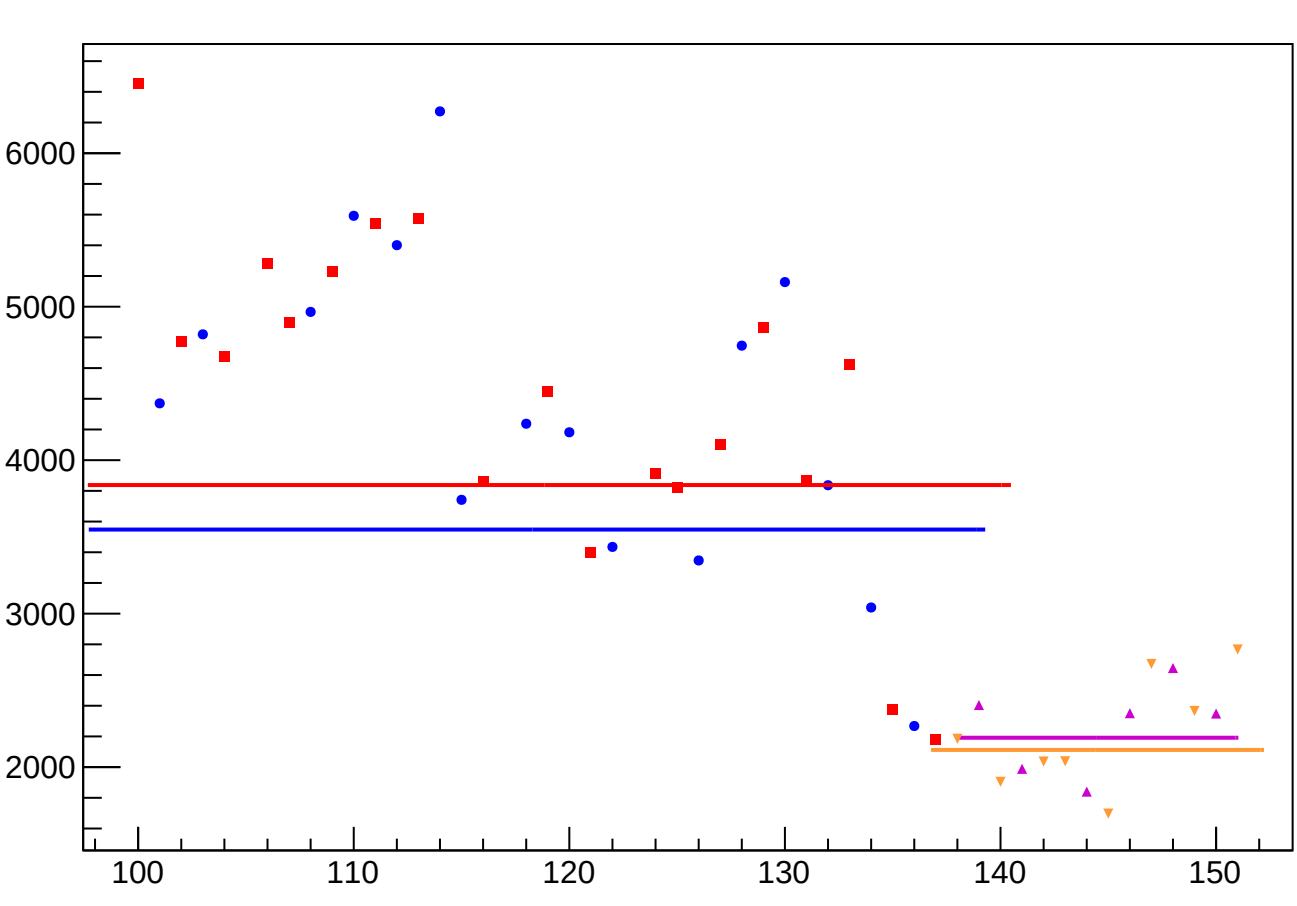
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 320.507+/-0.066 χ^2/NDF:1052580.2/21

Out: 318.929+/-0.063 χ^2/NDF:1251233.2/26

All: 319.679+/-0.045 χ^2/NDF: 2304115.4/48


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -1095.771+/-862.527 χ²/NDF:13.4/7
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: -200.060+/-965.597 χ²/NDF:7.7/5
Left: -698.256+/-643.263 χ²/NDF: 21.6/13
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -1201.363+/-791.933 χ²/NDF:27.0/21
Out: -574.332+/-742.712 χ²/NDF:29.5/26
All: -867.757+/-541.742 χ²/NDF: 56.8/48



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2112.201+/-0.610 χ^2/NDF:305503.7/7

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2191.500+/-0.683 χ^2/NDF:161608.4/5

Left: 2147.394+/-0.455 χ^2/NDF: 474614.7/13

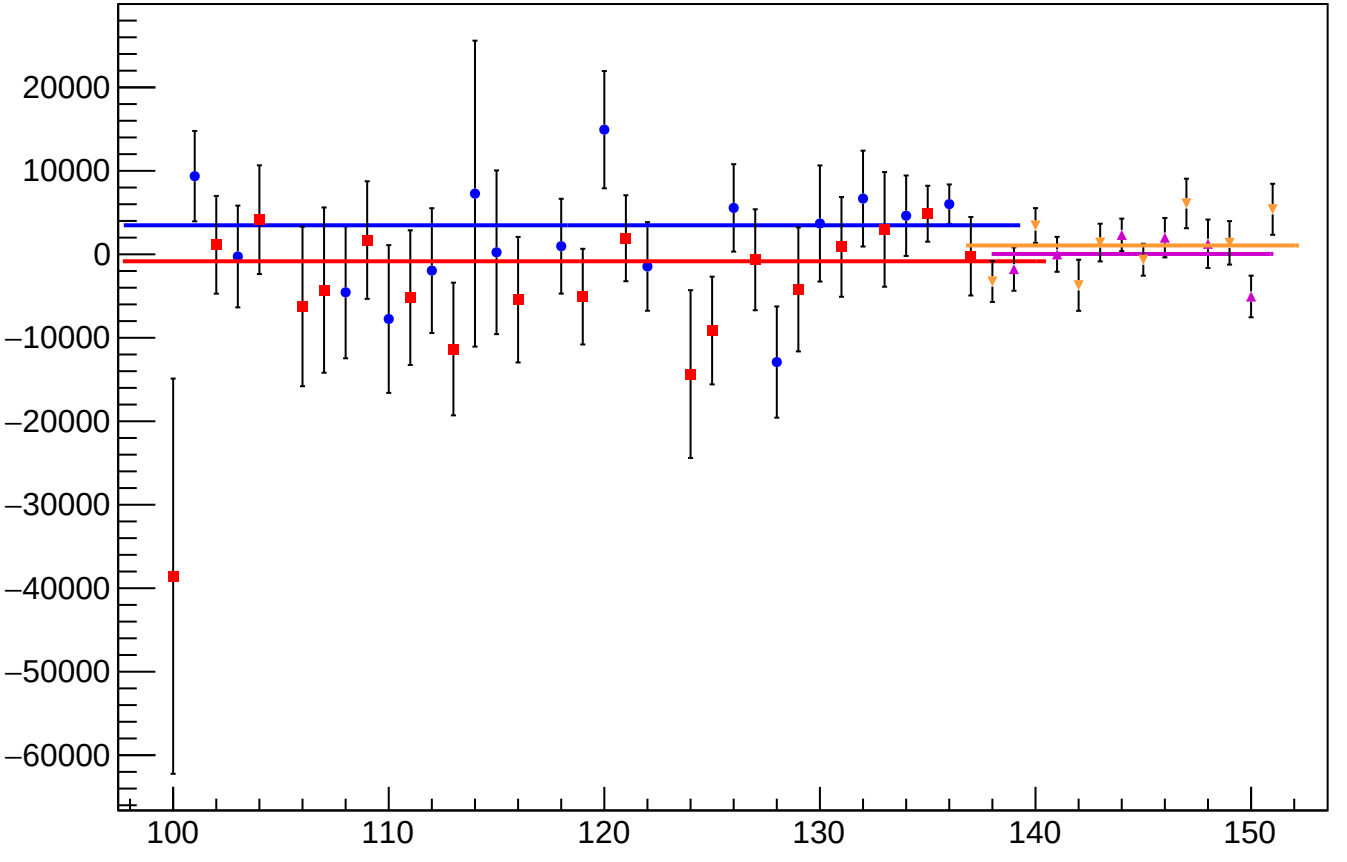
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2635.546+/-0.560 χ^2/NDF:2712118.6/21

Out: 2558.356+/-0.525 χ^2/NDF:3531236.8/26

All: 2594.478+/-0.383 χ^2/NDF: 6253464.7/48

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1062.015+/-863.218 χ^2/NDF:12.6/7

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 43.351+/-953.783 χ^2/NDF:6.9/5

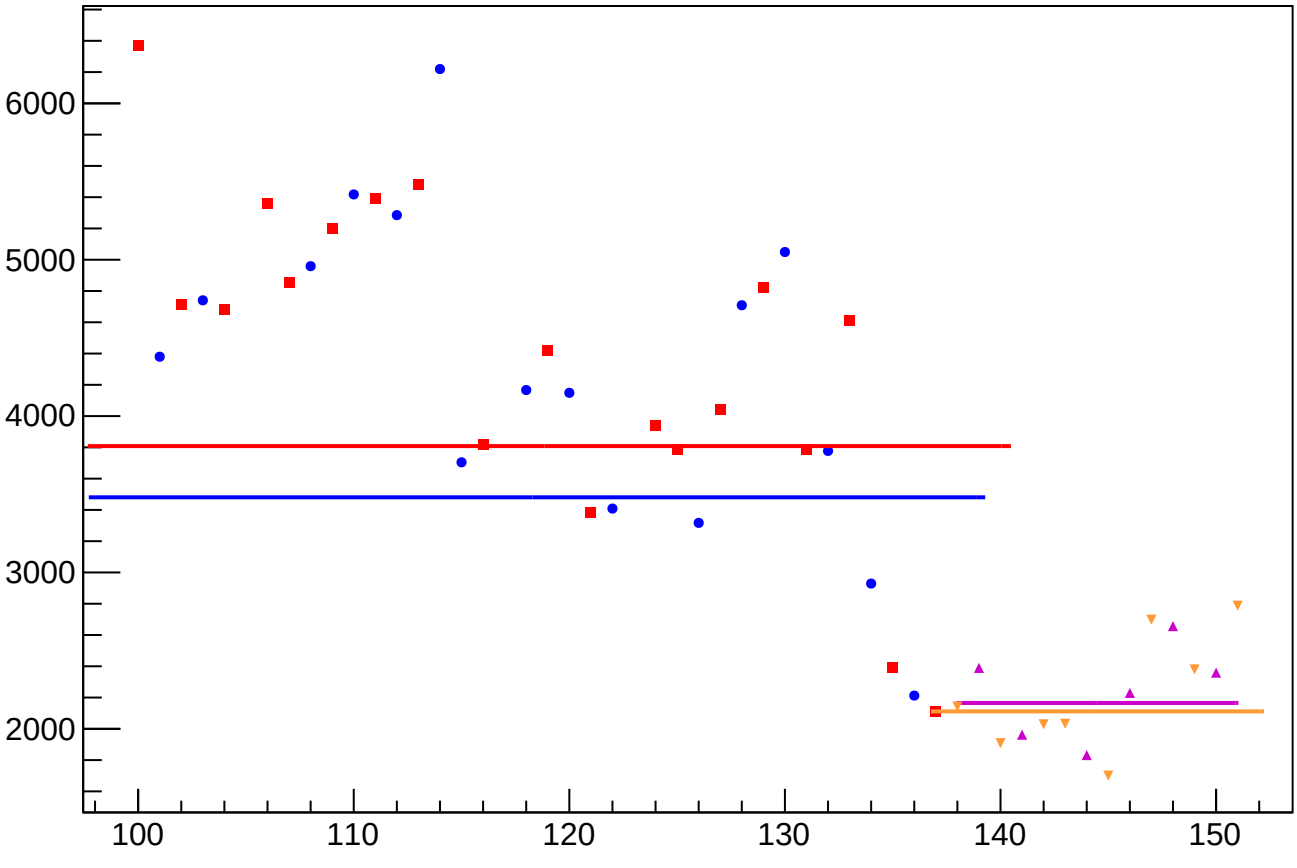
Left: 603.330+/-640.016 χ^2/NDF: 20.1/13

Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1175.430+/-780.955 χ^2/NDF:27.5/21

Out: 566.077+/-741.683 χ^2/NDF:27.9/26

All: 855.047+/-537.797 χ^2/NDF: 55.7/48



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2111.378+/-0.610 χ^2/NDF:312785.0/7

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2165.363+/-0.674 χ^2/NDF:163198.4/5

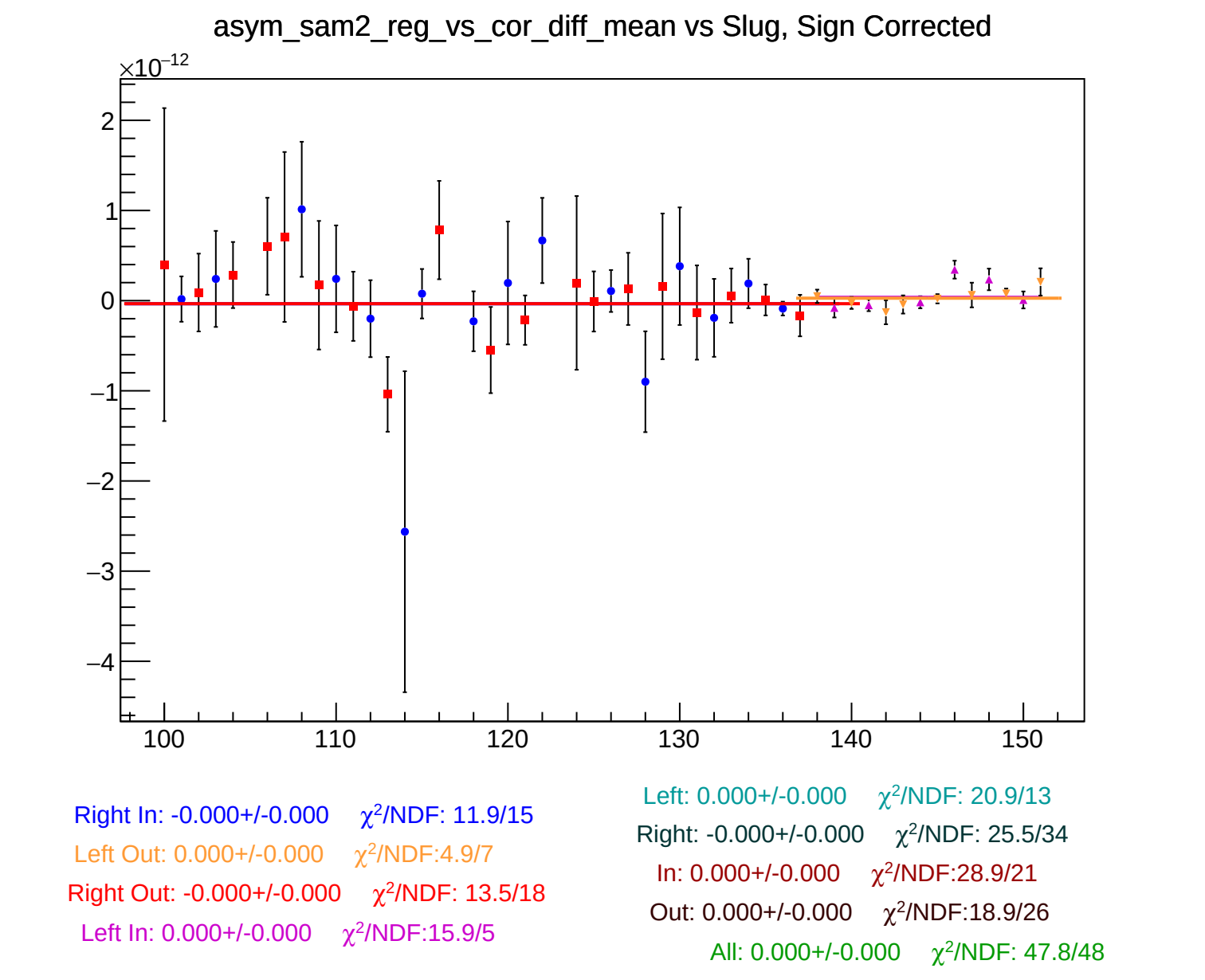
Left: 2135.686+/-0.453 χ^2/NDF: 479505.6/13

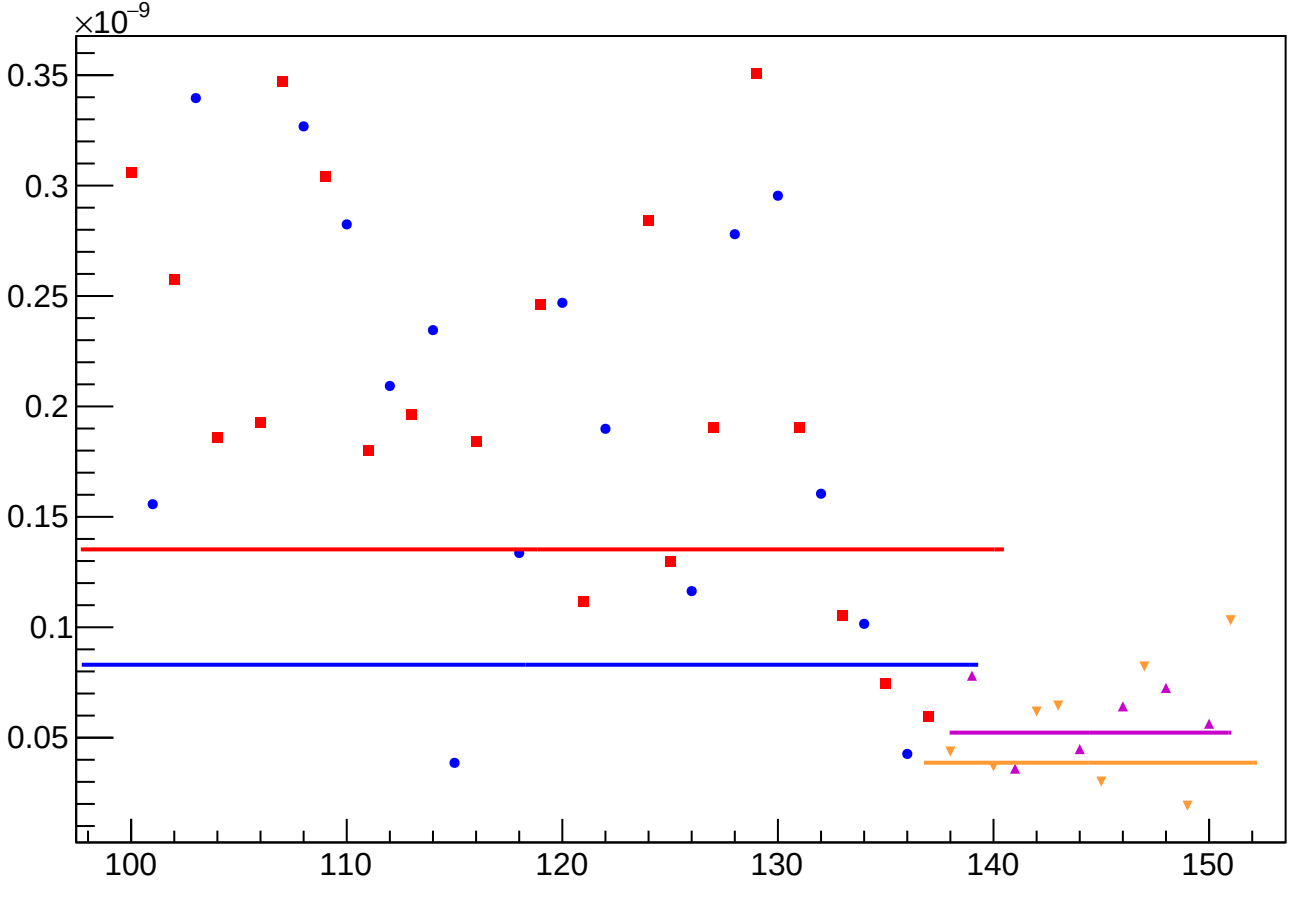
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2598.812+/-0.552 χ^2/NDF:2713153.9/21

Out: 2555.533+/-0.524 χ^2/NDF:3483122.3/26

All: 2576.057+/-0.380 χ^2/NDF: 6199505.7/48


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:4.9/7
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:15.9/5
Left: 0.000+/-0.000 χ²/NDF: 20.9/13
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:28.9/21
Out: 0.000+/-0.000 χ²/NDF:18.9/26
All: 0.000+/-0.000 χ²/NDF: 47.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1070790.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:350076.6/5

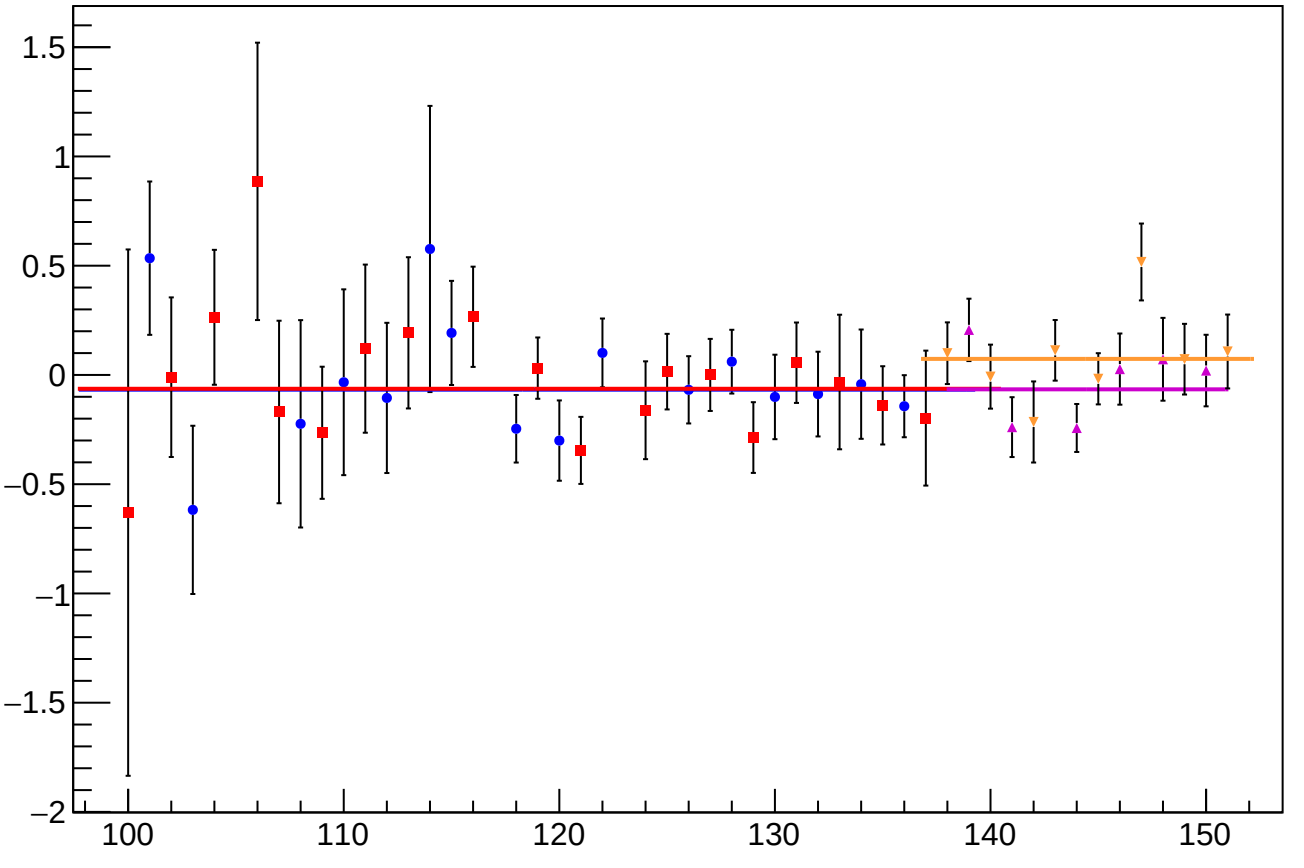
Left: 0.000+/-0.000 χ^2/NDF: 1610923.5/13

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3438626.0/21

Out: 0.000+/-0.000 χ^2/NDF:4825908.6/26

All: 0.000+/-0.000 χ^2/NDF: 8459209.0/48



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.066+/-0.059 χ^2/NDF:8.9/5

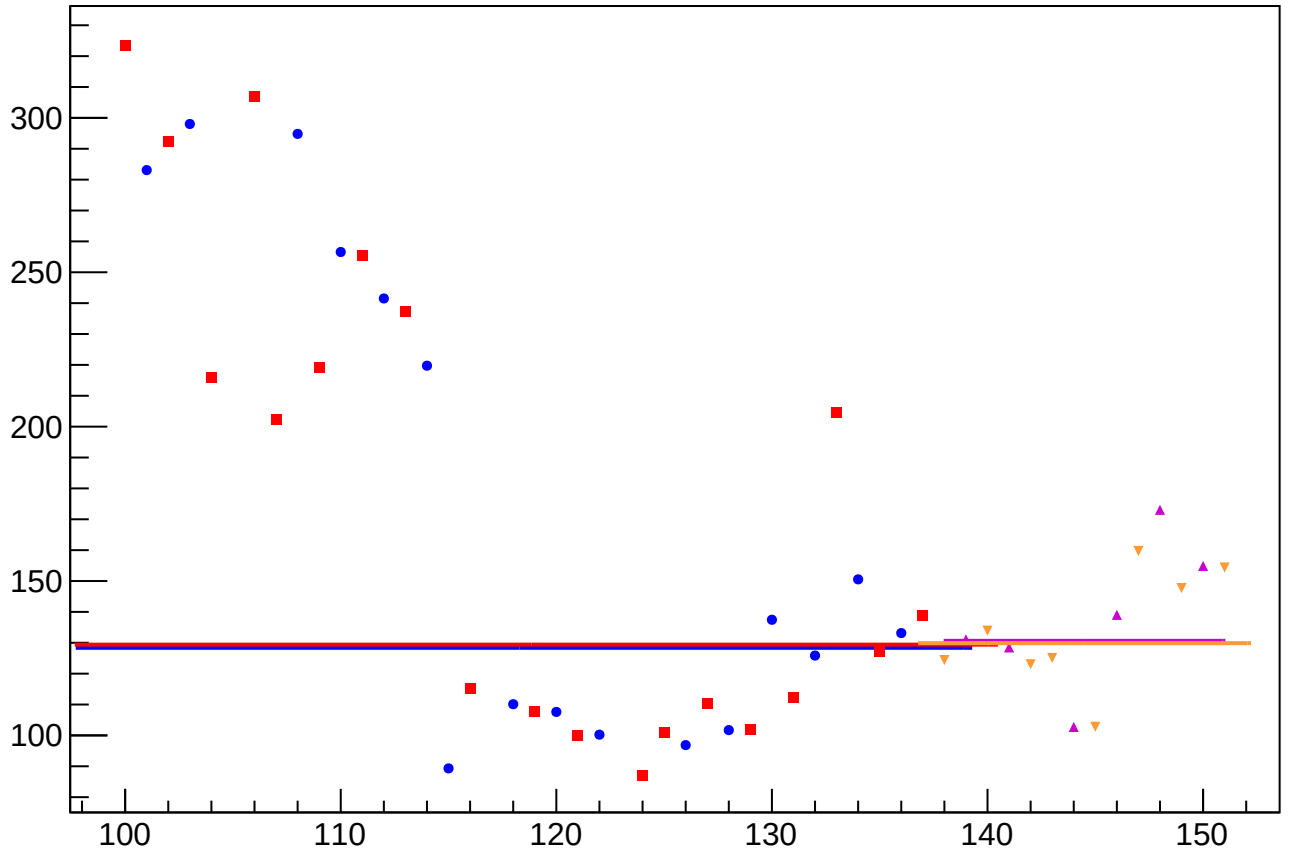
Left: 0.011+/-0.039 χ^2/NDF: 21.9/13

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.067+/-0.039 χ^2/NDF:21.4/21

Out: 0.003+/-0.037 χ^2/NDF:27.3/26

All: -0.030+/-0.027 χ^2/NDF: 50.4/48



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.871+/-0.037 χ^2/NDF:240432.9/7

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.631+/-0.042 χ^2/NDF:279021.0/5

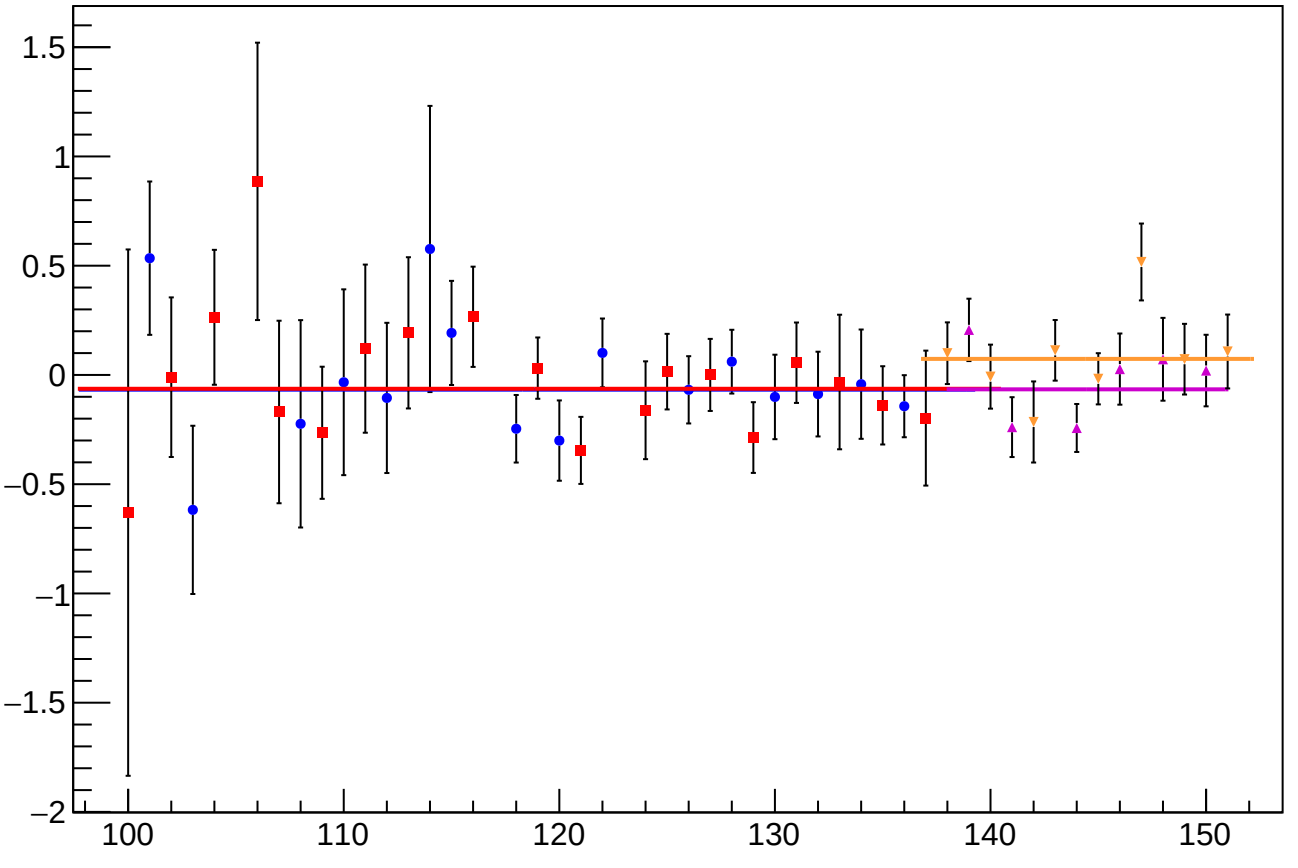
Left: 130.211+/-0.028 χ^2/NDF: 519637.9/13

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.361+/-0.027 χ^2/NDF:2085747.9/21

Out: 129.629+/-0.026 χ^2/NDF:2128786.0/26

All: 129.502+/-0.019 χ^2/NDF: 4214583.9/48



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.066+/-0.059 χ^2/NDF:8.9/5

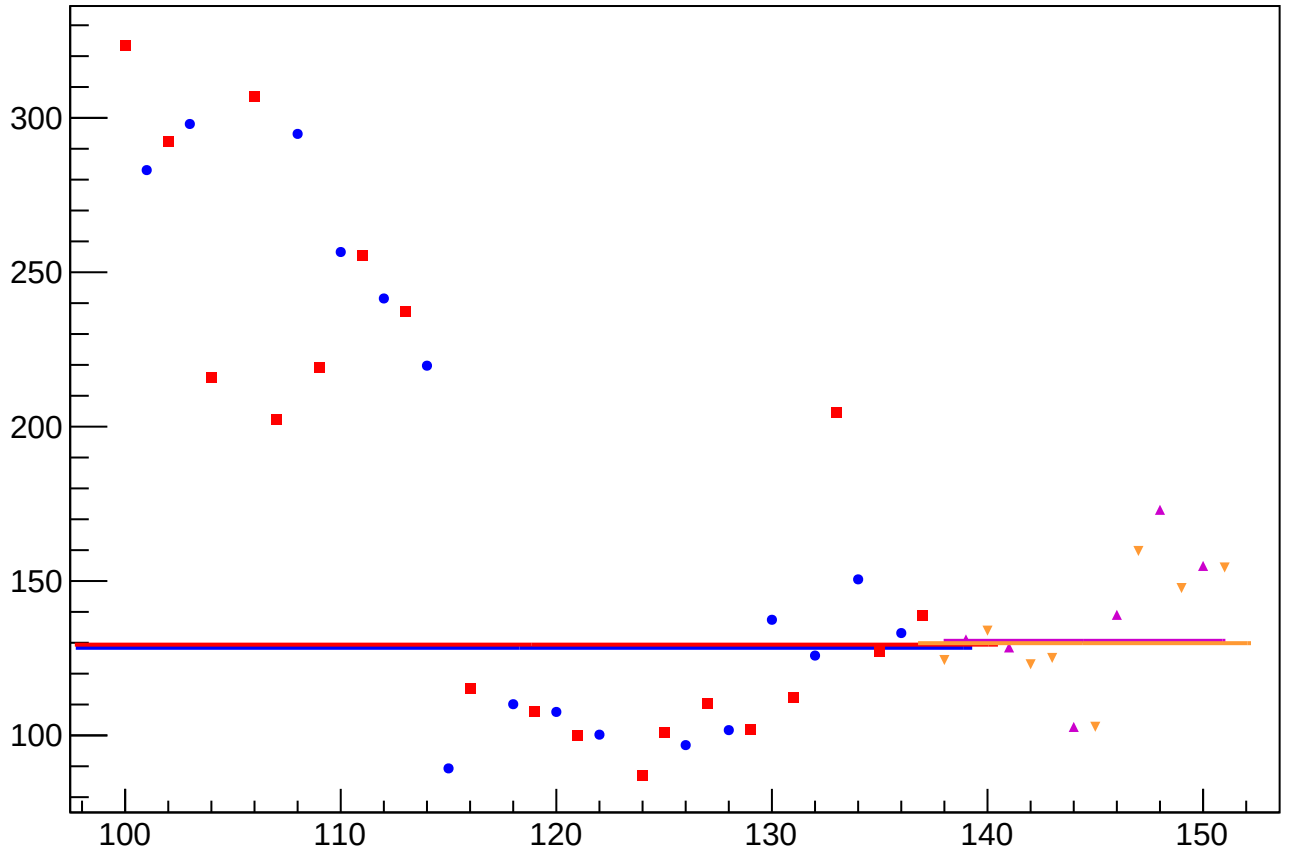
Left: 0.011+/-0.039 χ^2/NDF: 21.9/13

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.067+/-0.039 χ^2/NDF:21.4/21

Out: 0.003+/-0.037 χ^2/NDF:27.3/26

All: -0.030+/-0.027 χ^2/NDF: 50.4/48



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.871+/-0.037 χ^2/NDF:240432.9/7

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.631+/-0.042 χ^2/NDF:279021.0/5

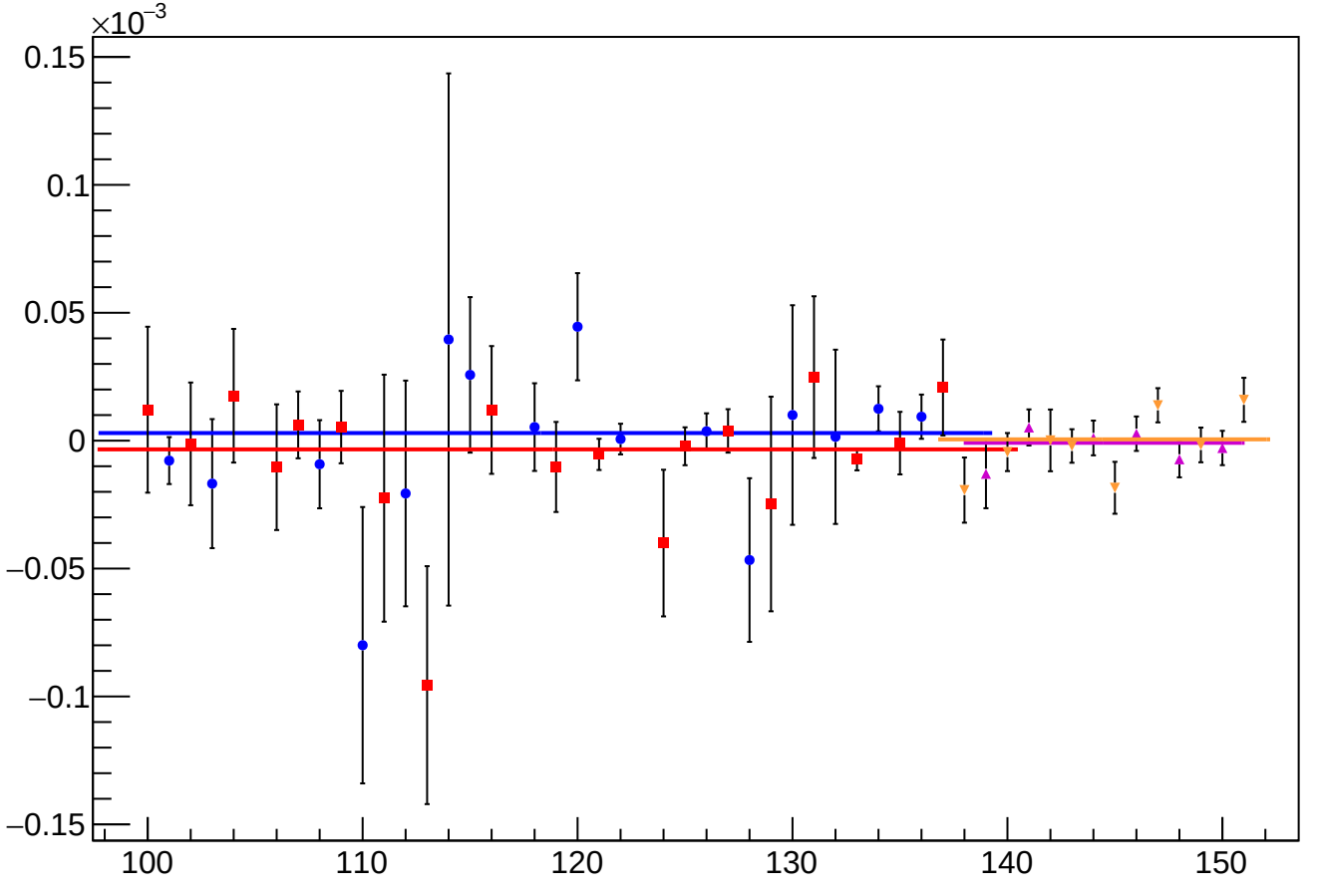
Left: 130.211+/-0.028 χ^2/NDF: 519637.9/13

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.361+/-0.027 χ^2/NDF:2085747.9/21

Out: 129.629+/-0.026 χ^2/NDF:2128786.0/26

All: 129.502+/-0.019 χ^2/NDF: 4214583.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/5

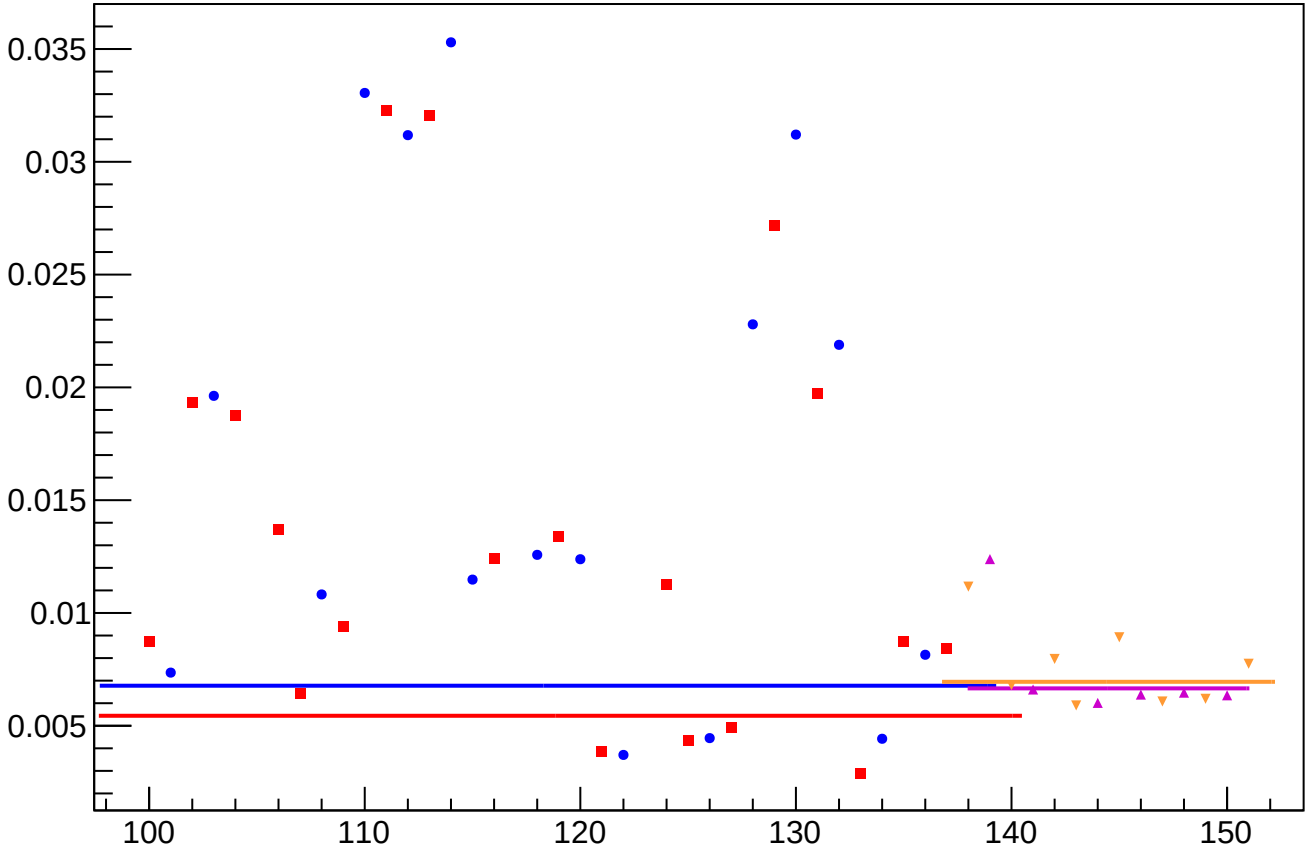
Left: -0.000+/-0.000 χ^2/NDF: 16.7/13

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:17.7/21

Out: -0.000+/-0.000 χ^2/NDF:27.4/26

All: -0.000+/-0.000 χ^2/NDF: 45.9/48



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:437113.5/7

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:388810.2/5

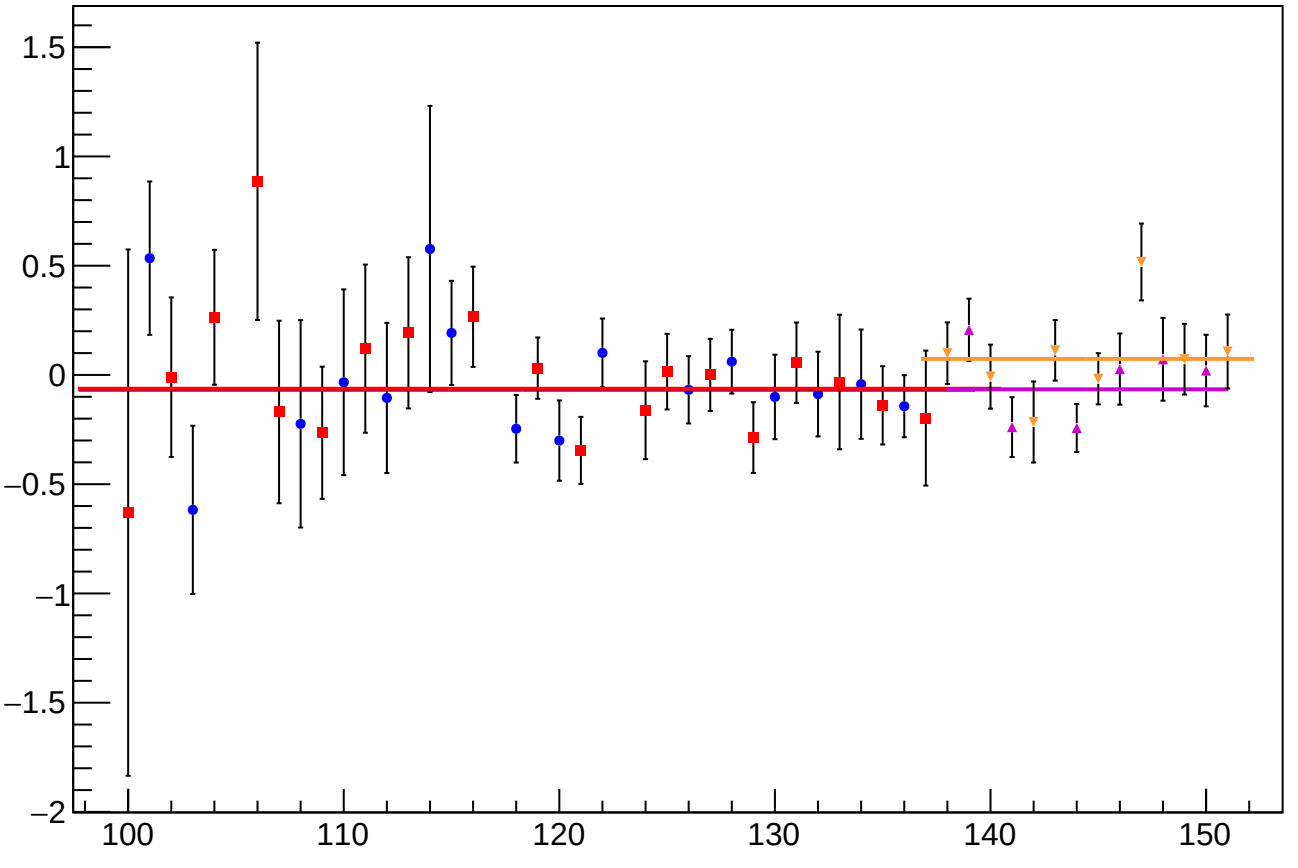
Left: 0.007+/-0.000 χ^2/NDF: 835852.0/13

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5162578.0/21

Out: 0.006+/-0.000 χ^2/NDF:6312930.6/26

All: 0.006+/-0.000 χ^2/NDF: 11558997.1/48



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.073+/-0.053 χ^2/NDF:9.8/7

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.066+/-0.059 χ^2/NDF:8.9/5

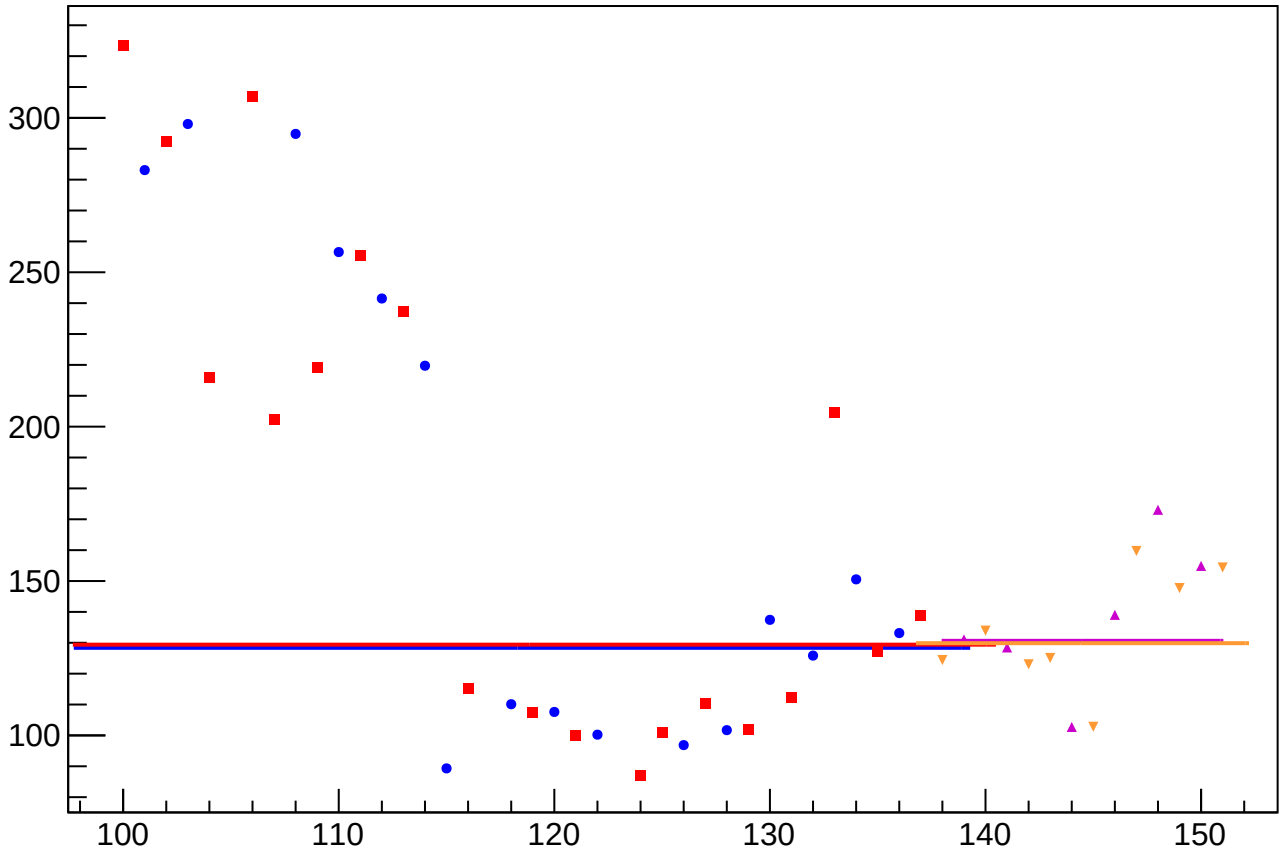
Left: 0.011+/-0.039 χ^2/NDF: 21.9/13

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.067+/-0.039 χ^2/NDF:21.4/21

Out: 0.003+/-0.037 χ^2/NDF:27.3/26

All: -0.030+/-0.027 χ^2/NDF: 50.4/48



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.871+/-0.037 χ^2/NDF:240451.7/7

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.631+/-0.042 χ^2/NDF:279021.3/5

Left: 130.211+/-0.028 χ^2/NDF: 519657.0/13

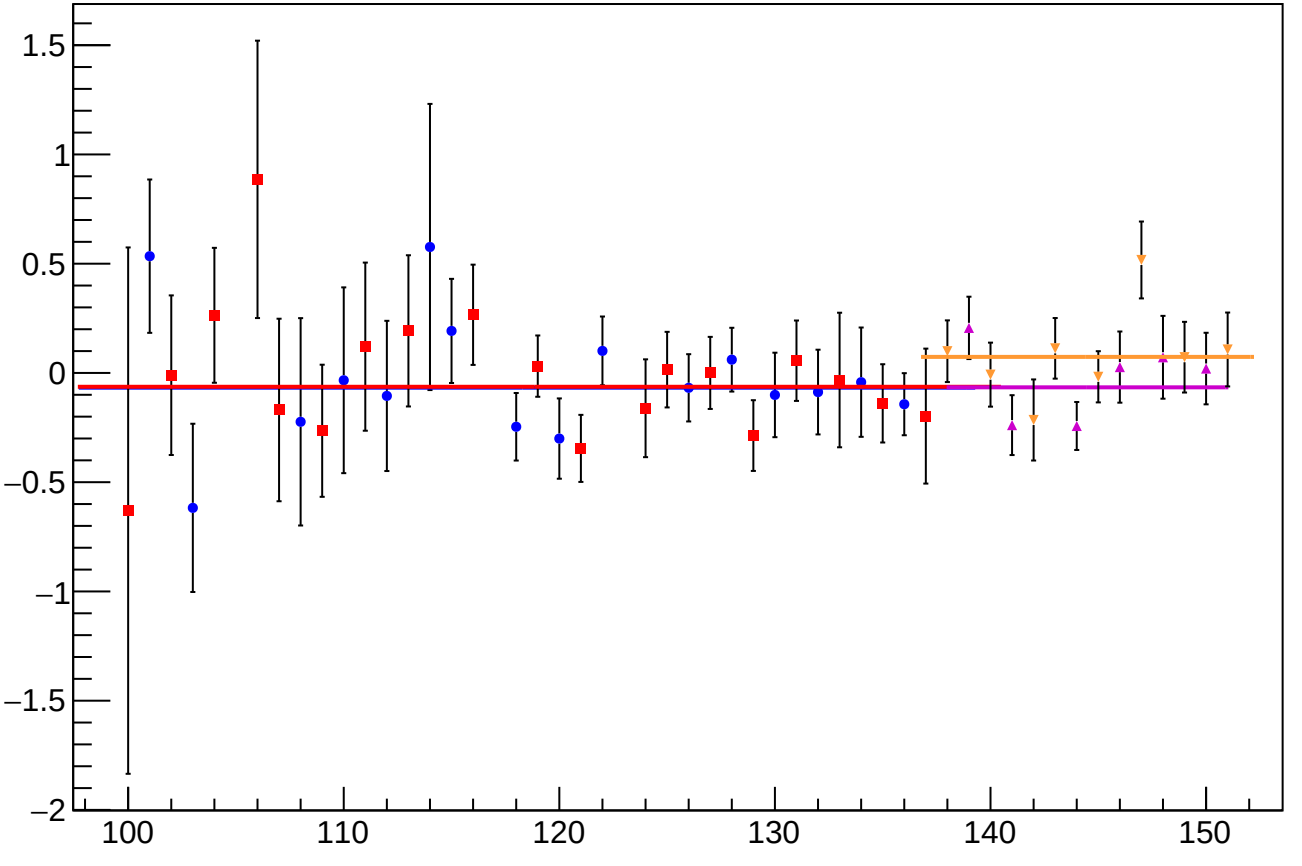
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.359+/-0.027 χ^2/NDF:2085700.8/21

Out: 129.627+/-0.026 χ^2/NDF:2128807.2/26

All: 129.500+/-0.019 χ^2/NDF: 4214558.0/48

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: 0.073+/-0.053 χ^2/NDF:9.8/7

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.066+/-0.059 χ^2/NDF:8.9/5

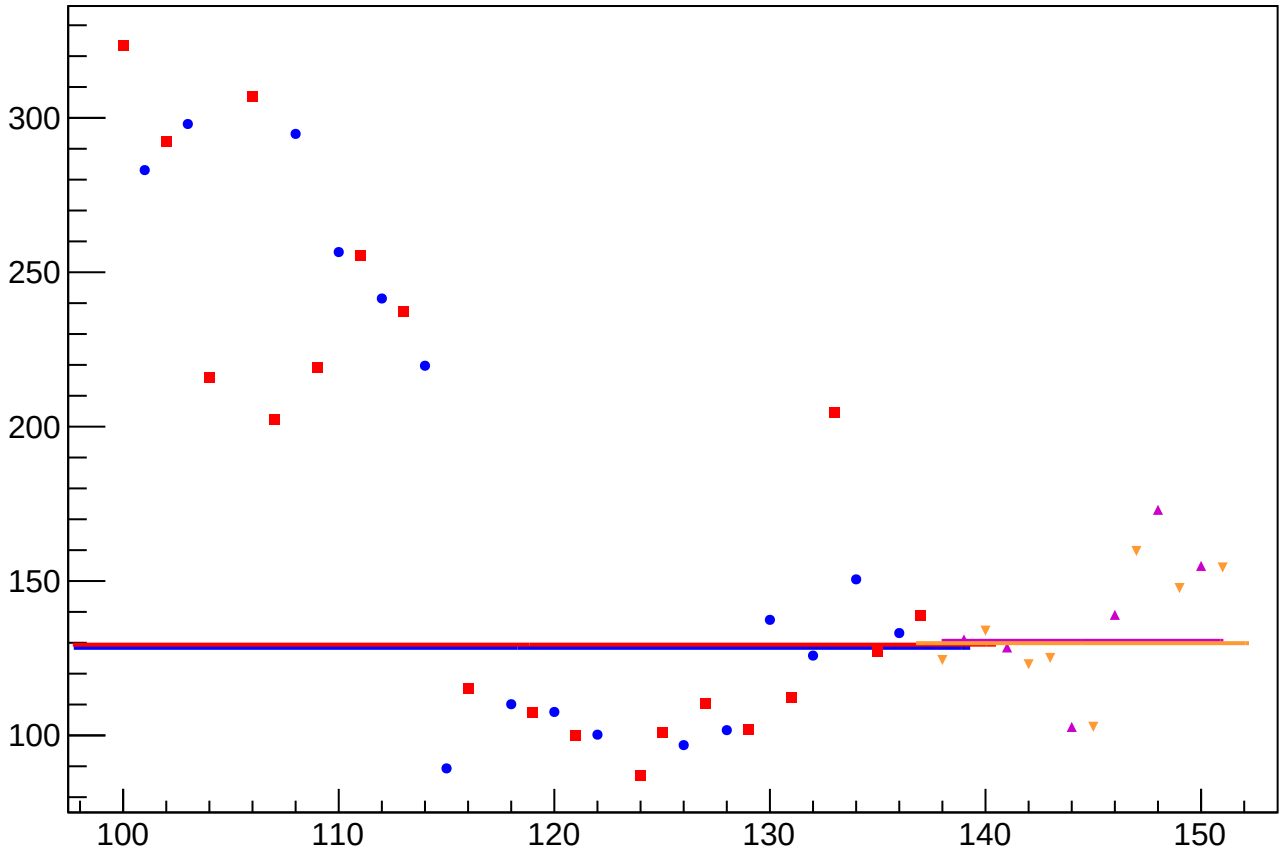
Left: 0.011+/-0.039 χ^2/NDF: 21.9/13

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.067+/-0.039 χ^2/NDF:21.4/21

Out: 0.003+/-0.037 χ^2/NDF:27.3/26

All: -0.030+/-0.027 χ^2/NDF: 50.4/48



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.871+/-0.037 χ^2/NDF:240451.7/7

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.631+/-0.042 χ^2/NDF:279021.3/5

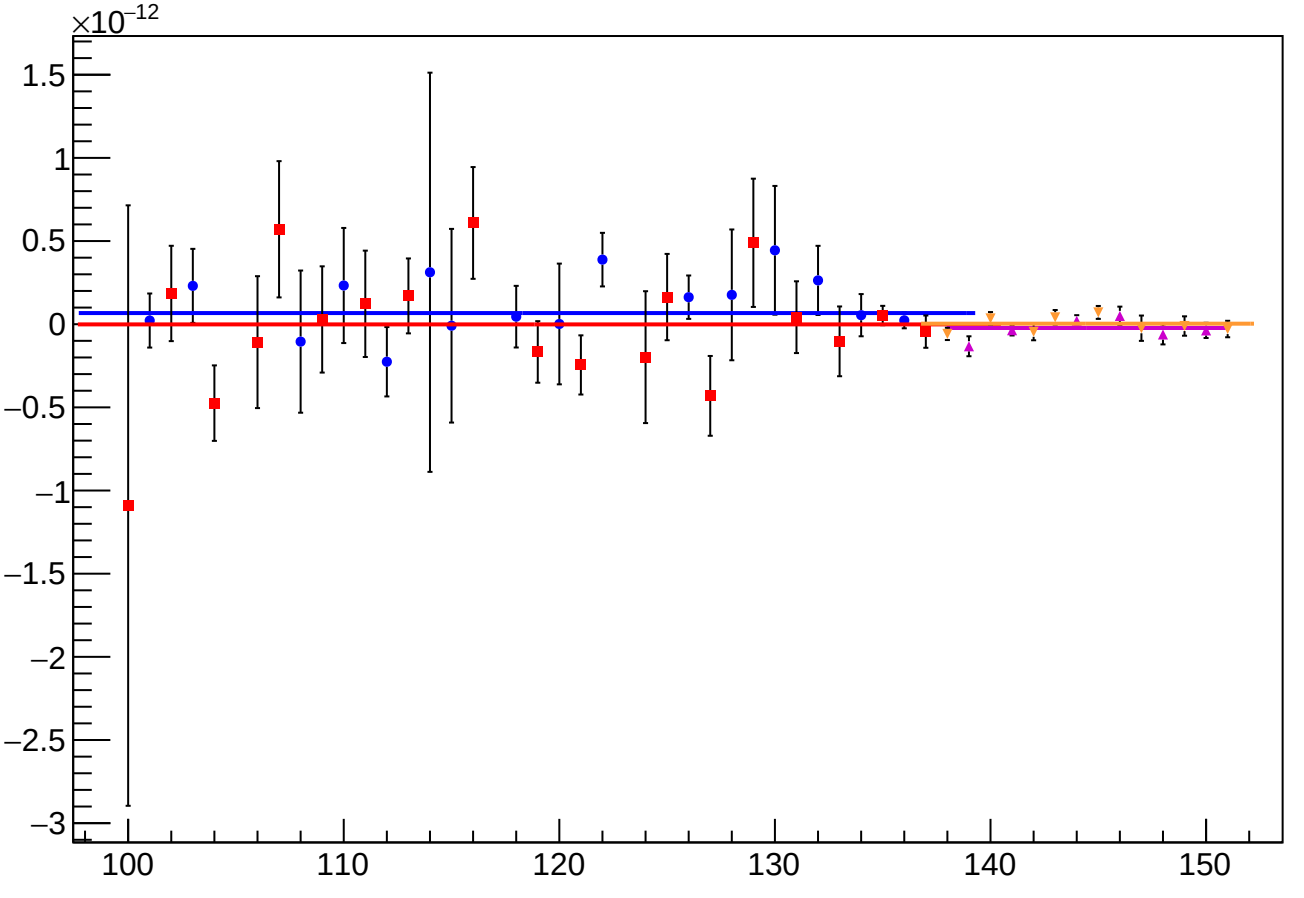
Left: 130.211+/-0.028 χ^2/NDF: 519657.0/13

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.359+/-0.027 χ^2/NDF:2085700.8/21

Out: 129.627+/-0.026 χ^2/NDF:2128807.2/26

All: 129.500+/-0.019 χ^2/NDF: 4214558.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/5

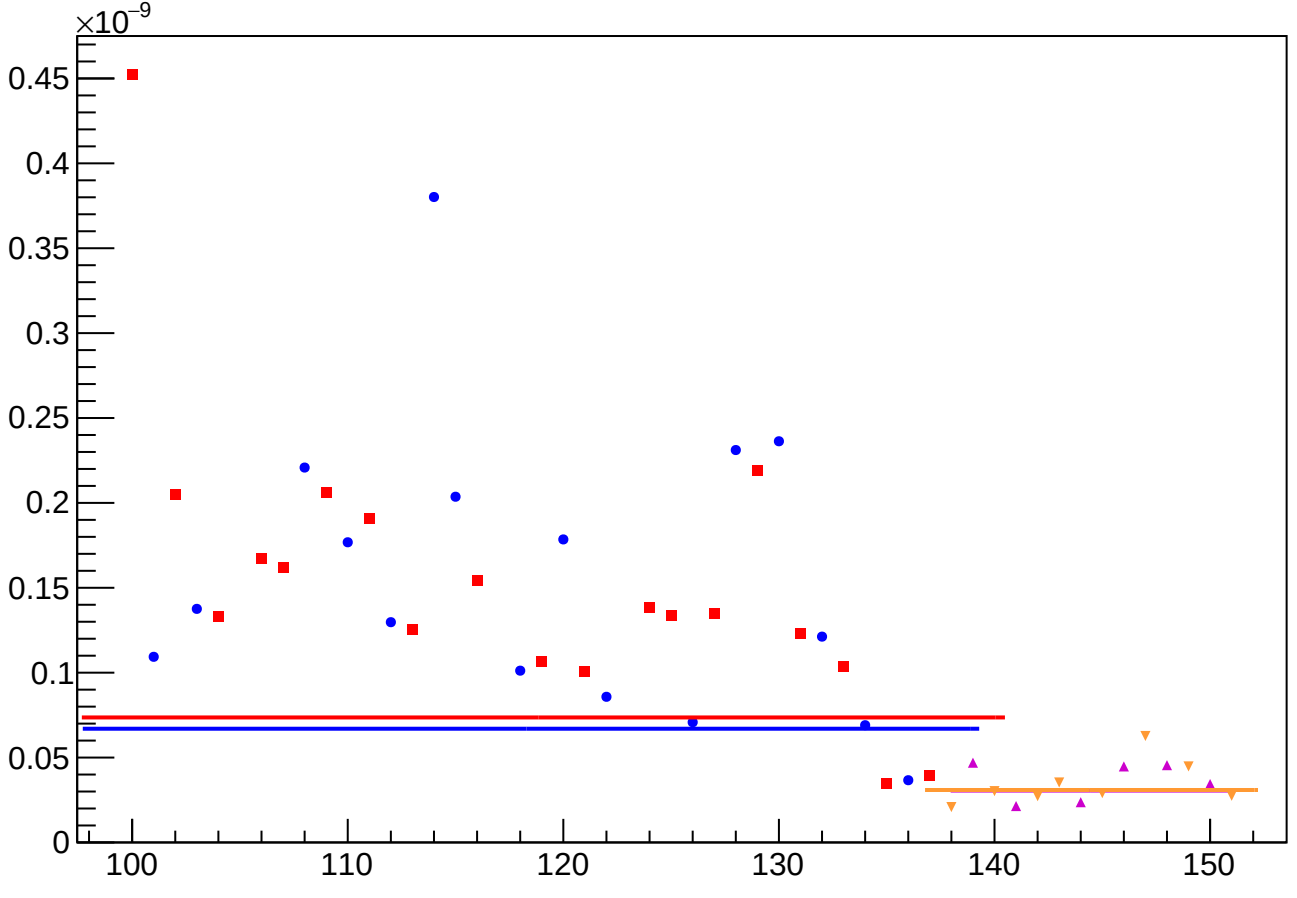
Left: -0.000+/-0.000 χ^2/NDF: 17.3/13

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:22.8/21

Out: 0.000+/-0.000 χ^2/NDF:29.4/26

All: -0.000+/-0.000 χ^2/NDF: 52.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:656015.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:668426.4/5

Left: 0.000+/-0.000 χ^2/NDF: 1324852.3/13

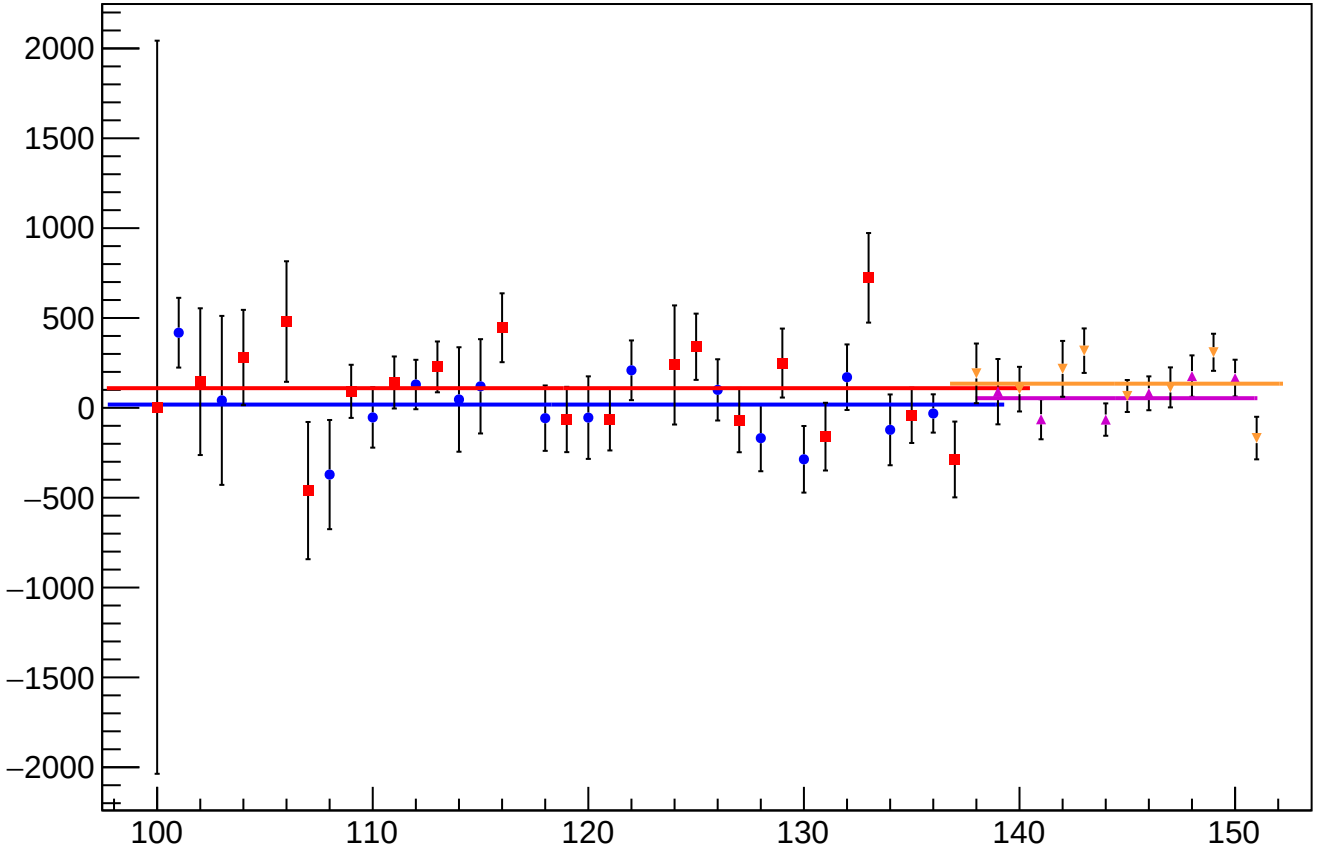
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5495046.3/21

Out: 0.000+/-0.000 χ^2/NDF:6326082.2/26

All: 0.000+/-0.000 χ^2/NDF: 11822181.8/48

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 134.482+/-41.533 χ^2/NDF:12.7/7

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 53.721+/-43.964 χ^2/NDF:5.3/5

Left: 96.396+/-30.191 χ^2/NDF: 19.8/13

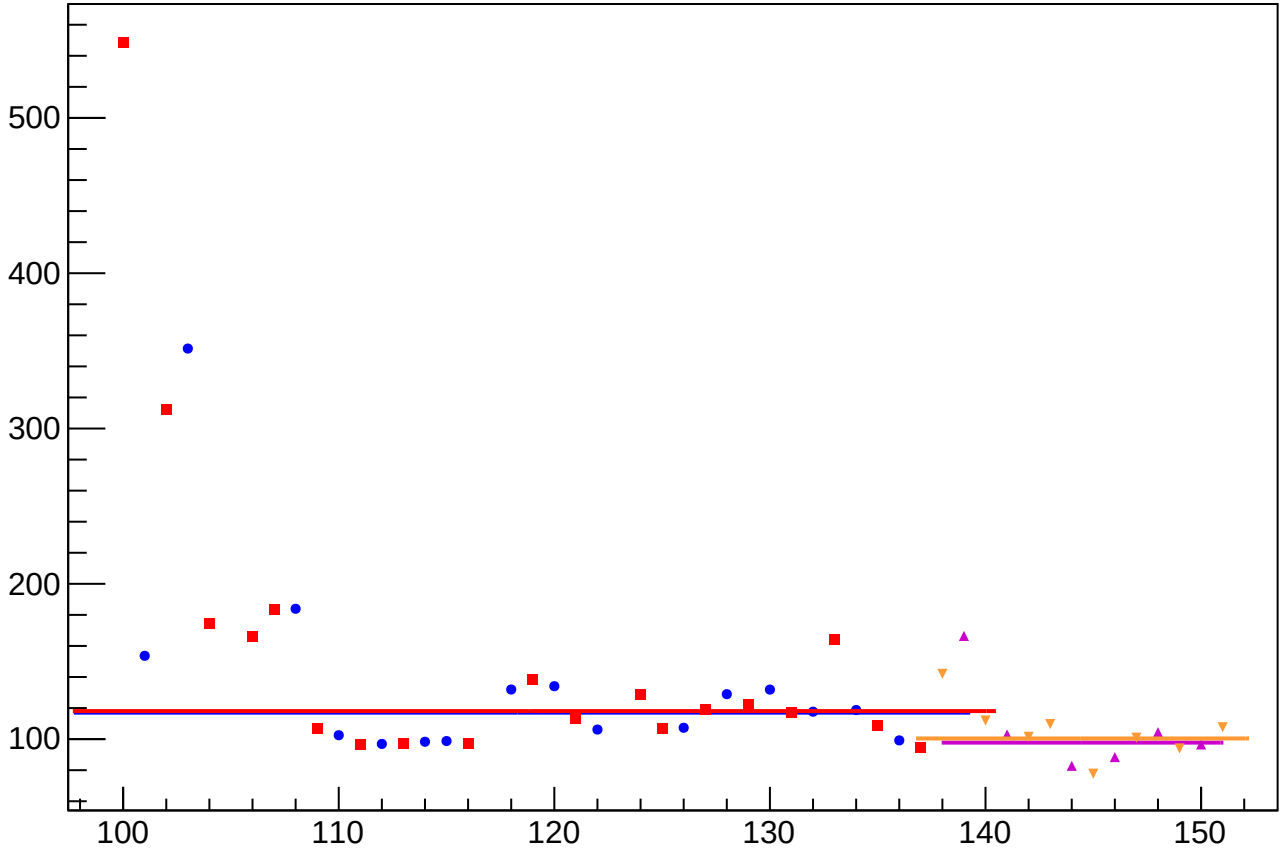
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 36.651+/-31.685 χ^2/NDF:19.5/21

Out: 123.185+/-30.774 χ^2/NDF:38.3/26

All: 81.180+/-22.075 χ^2/NDF: 61.6/48

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.430+/-0.029 χ^2/NDF:299405.1/7

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.760+/-0.031 χ^2/NDF:371853.0/5

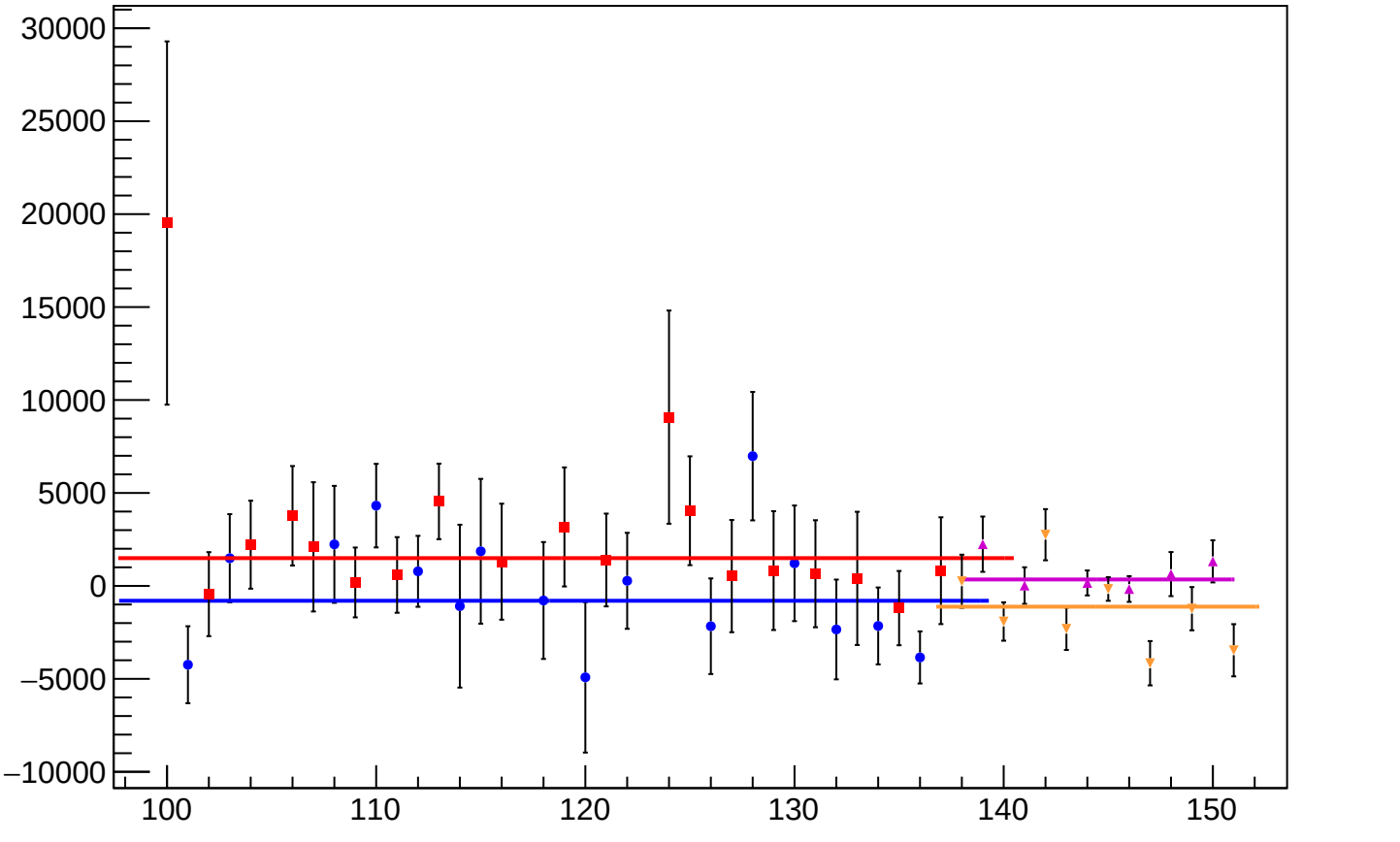
Left: 99.171+/-0.021 χ^2/NDF: 675154.6/13

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 107.037+/-0.022 χ^2/NDF:1415532.8/21

Out: 108.380+/-0.022 χ^2/NDF:1452631.4/26

All: 107.728+/-0.016 χ^2/NDF: 2870012.3/48



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1117.973+/-373.825 χ^2/NDF:22.1/7

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 346.614+/-370.793 χ^2/NDF:3.2/5

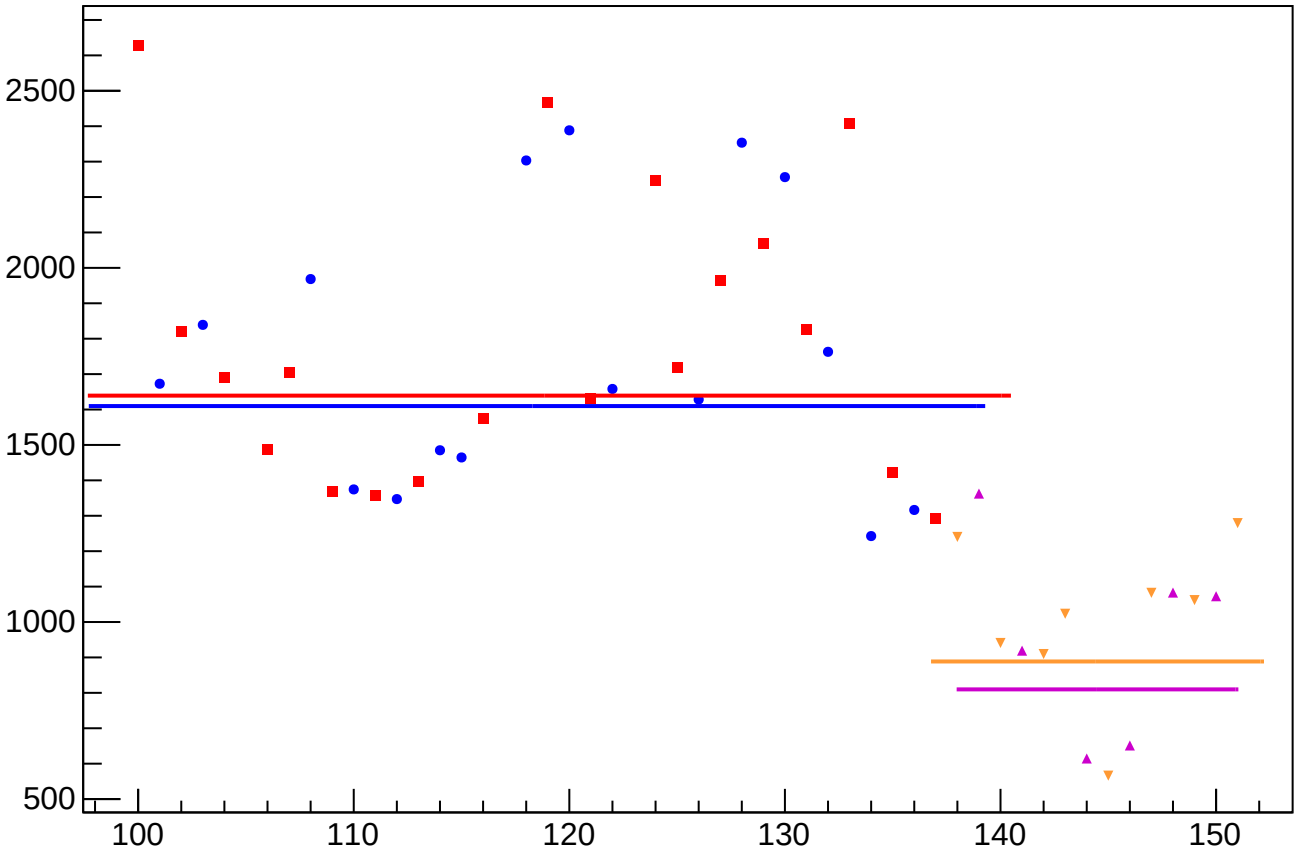
Left: -379.717+/-263.256 χ^2/NDF: 33.0/13

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 41.895+/-317.682 χ^2/NDF:29.1/21

Out: -410.112+/-319.174 χ^2/NDF:48.2/26

All: -183.050+/-225.161 χ^2/NDF: 78.4/48



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 888.567+/-0.264 χ^2/NDF:922112.2/7

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 809.753+/-0.262 χ^2/NDF:788368.4/5

Left: 848.839+/-0.186 χ^2/NDF: 1755292.3/13

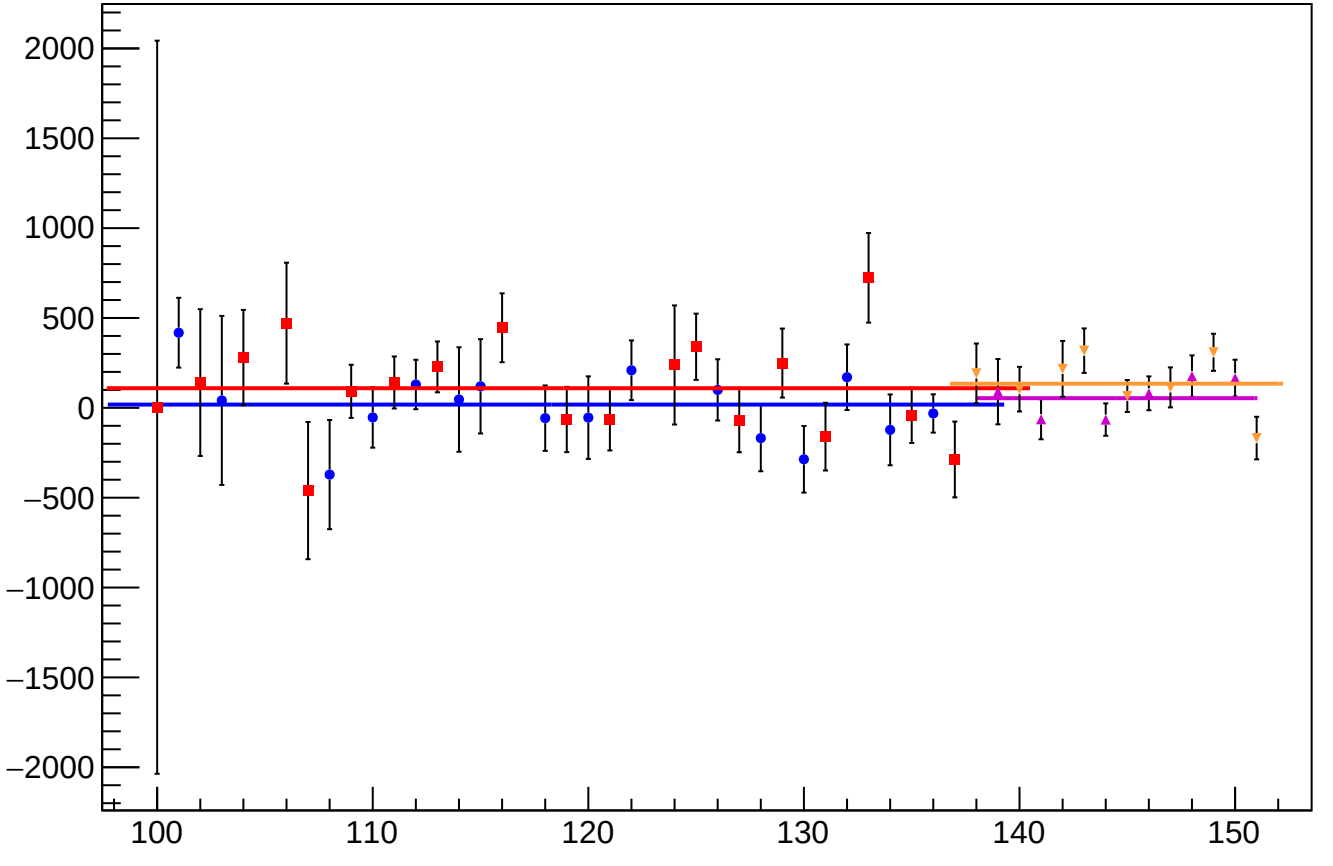
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1022.526+/-0.225 χ^2/NDF:3883714.8/21

Out: 1092.012+/-0.226 χ^2/NDF:3628004.3/26

All: 1057.106+/-0.159 χ^2/NDF: 7559337.1/48

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 134.489+/-41.533 χ^2/NDF:12.7/7

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 53.722+/-43.964 χ^2/NDF:5.3/5

Left: 96.401+/-30.191 χ^2/NDF: 19.8/13

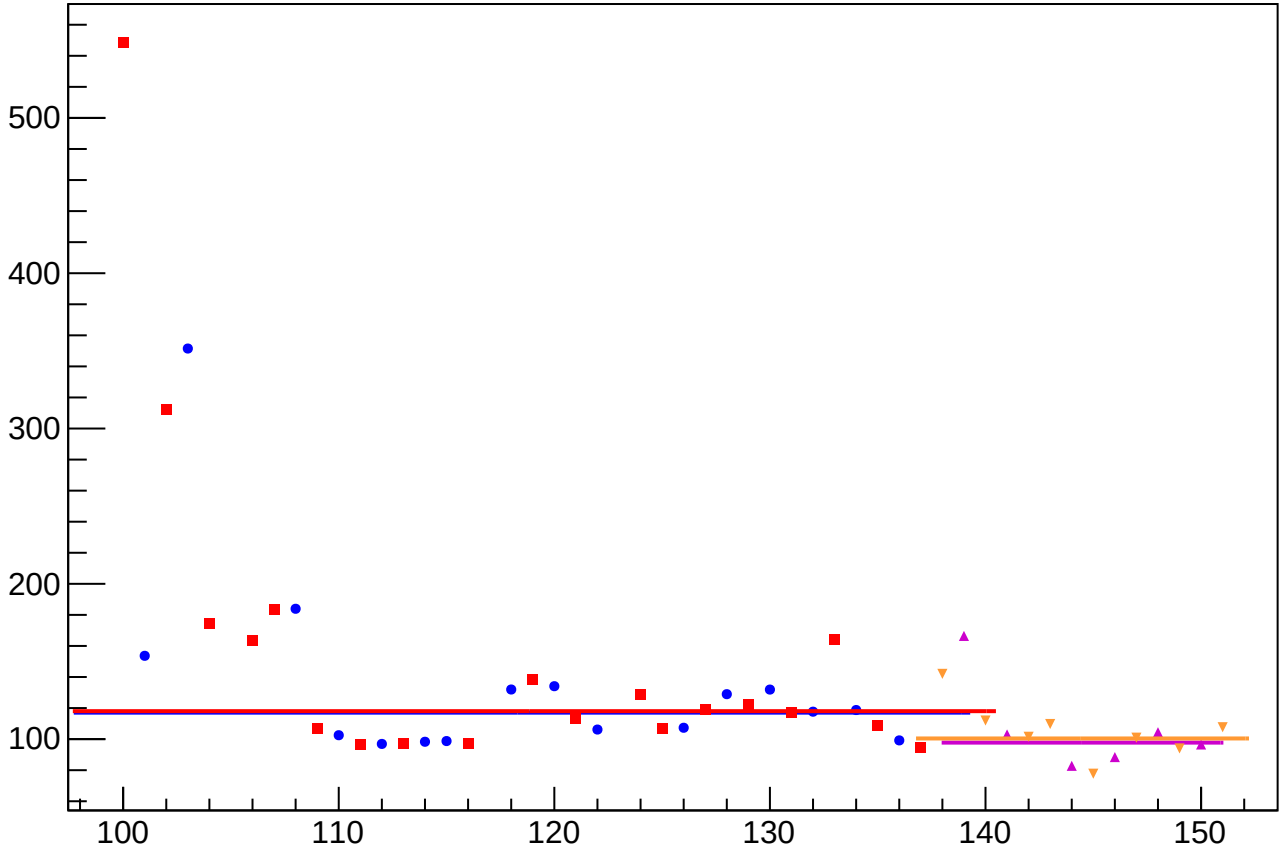
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 36.646+/-31.685 χ^2/NDF:19.5/21

Out: 123.063+/-30.775 χ^2/NDF:38.3/26

All: 81.113+/-22.076 χ^2/NDF: 61.6/48

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.430+/-0.029 χ^2/NDF:299405.1/7

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.760+/-0.031 χ^2/NDF:371853.0/5

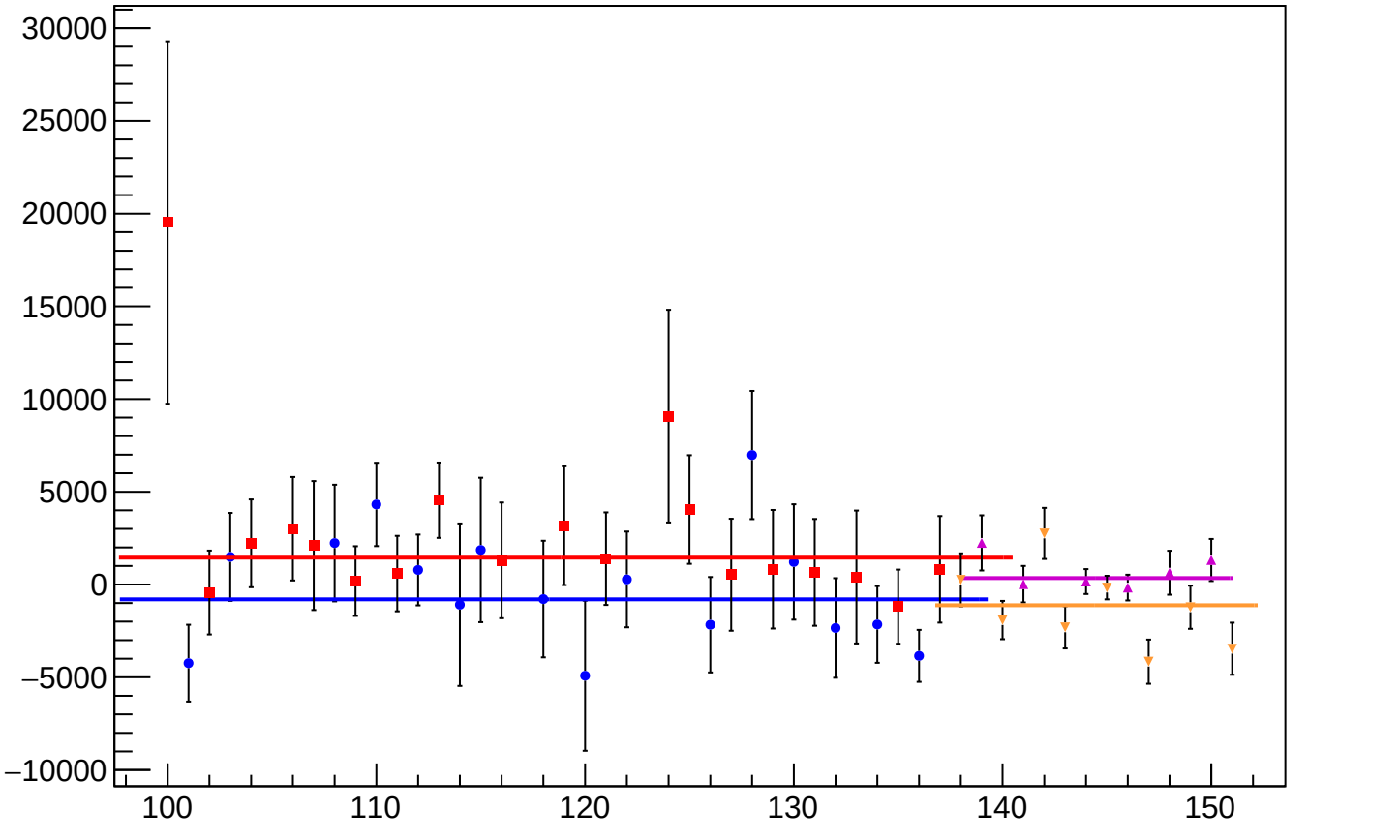
Left: 99.171+/-0.021 χ^2/NDF: 675154.6/13

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 107.037+/-0.022 χ^2/NDF:1415534.7/21

Out: 108.356+/-0.022 χ^2/NDF:1447472.3/26

All: 107.716+/-0.016 χ^2/NDF: 2864789.8/48



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1117.965+/-373.825 χ^2/NDF:22.1/7

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 346.623+/-370.793 χ^2/NDF:3.2/5

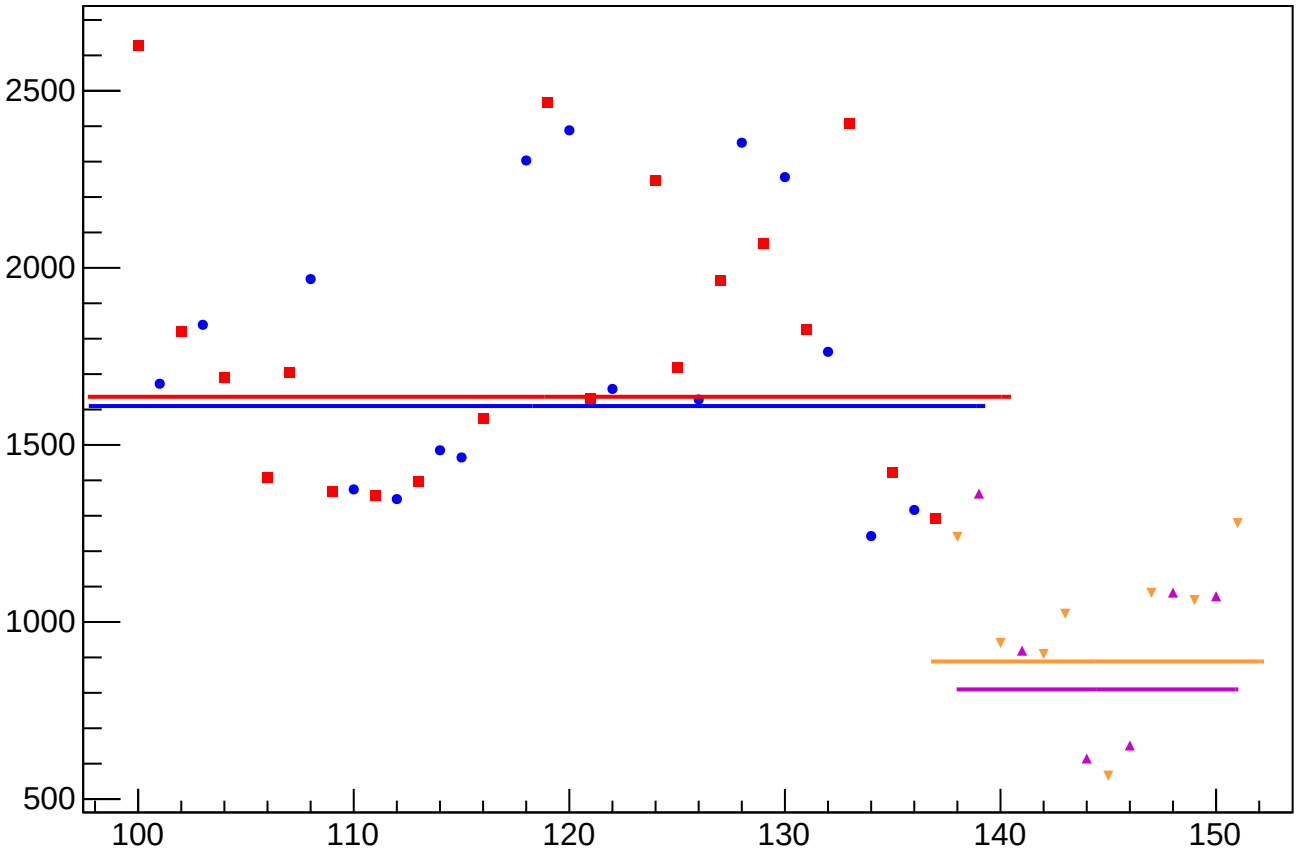
Left: -379.708+/-263.256 χ^2/NDF: 33.0/13

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 41.909+/-317.683 χ^2/NDF:29.1/21

Out: -424.650+/-319.363 χ^2/NDF:47.3/26

All: -190.140+/-225.227 χ^2/NDF: 77.5/48



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 888.566+/-0.264 χ^2/NDF:922113.2/7

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 809.752+/-0.262 χ^2/NDF:788371.1/5

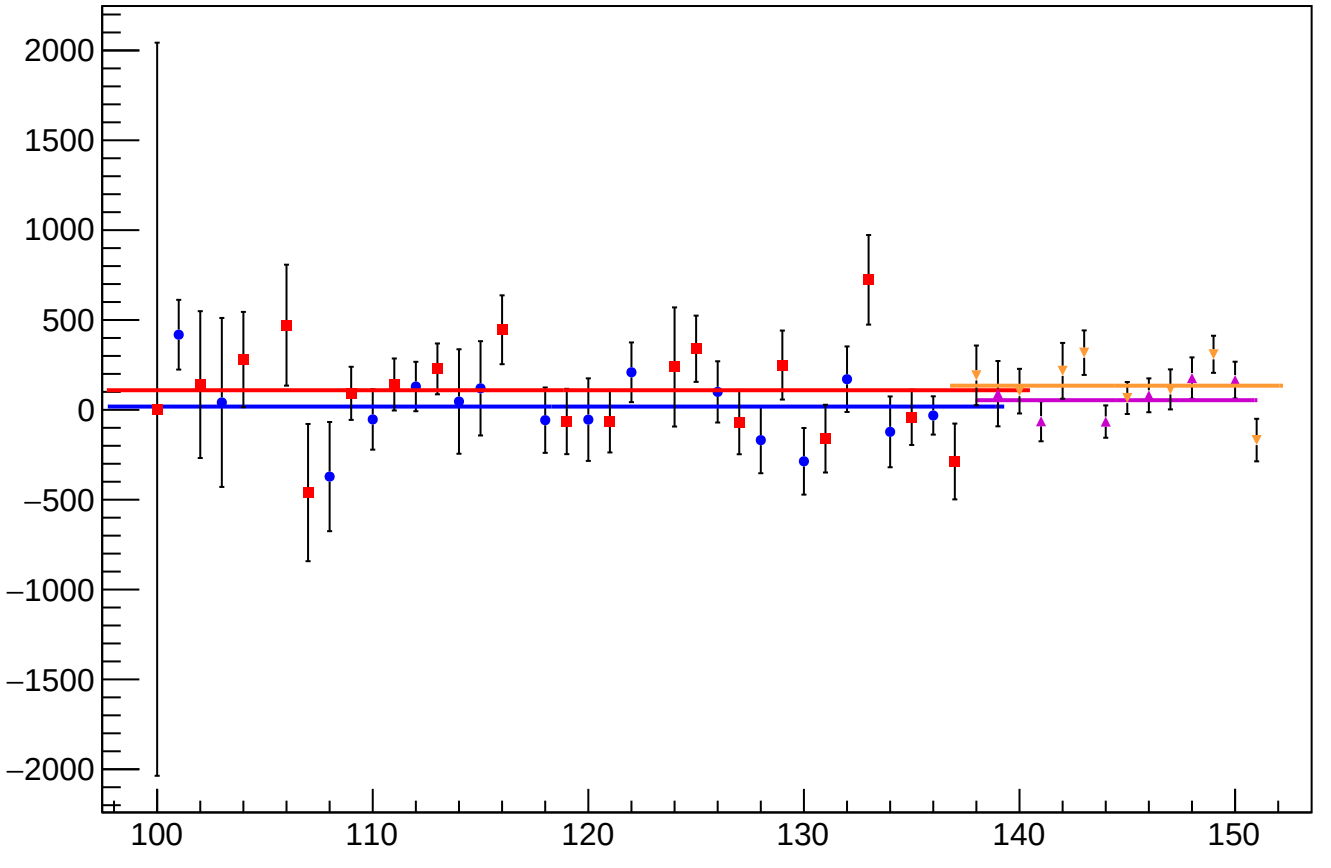
Left: 848.838+/-0.186 χ^2/NDF: 1755296.0/13

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1022.526+/-0.225 χ^2/NDF:3883779.4/21

Out: 1090.498+/-0.226 χ^2/NDF:3610146.8/26

All: 1056.333+/-0.159 χ^2/NDF: 7539465.3/48



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 134.489+/-41.533 χ^2/NDF:12.7/7

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 53.722+/-43.964 χ^2/NDF:5.3/5

Left: 96.401+/-30.191 χ^2/NDF: 19.8/13

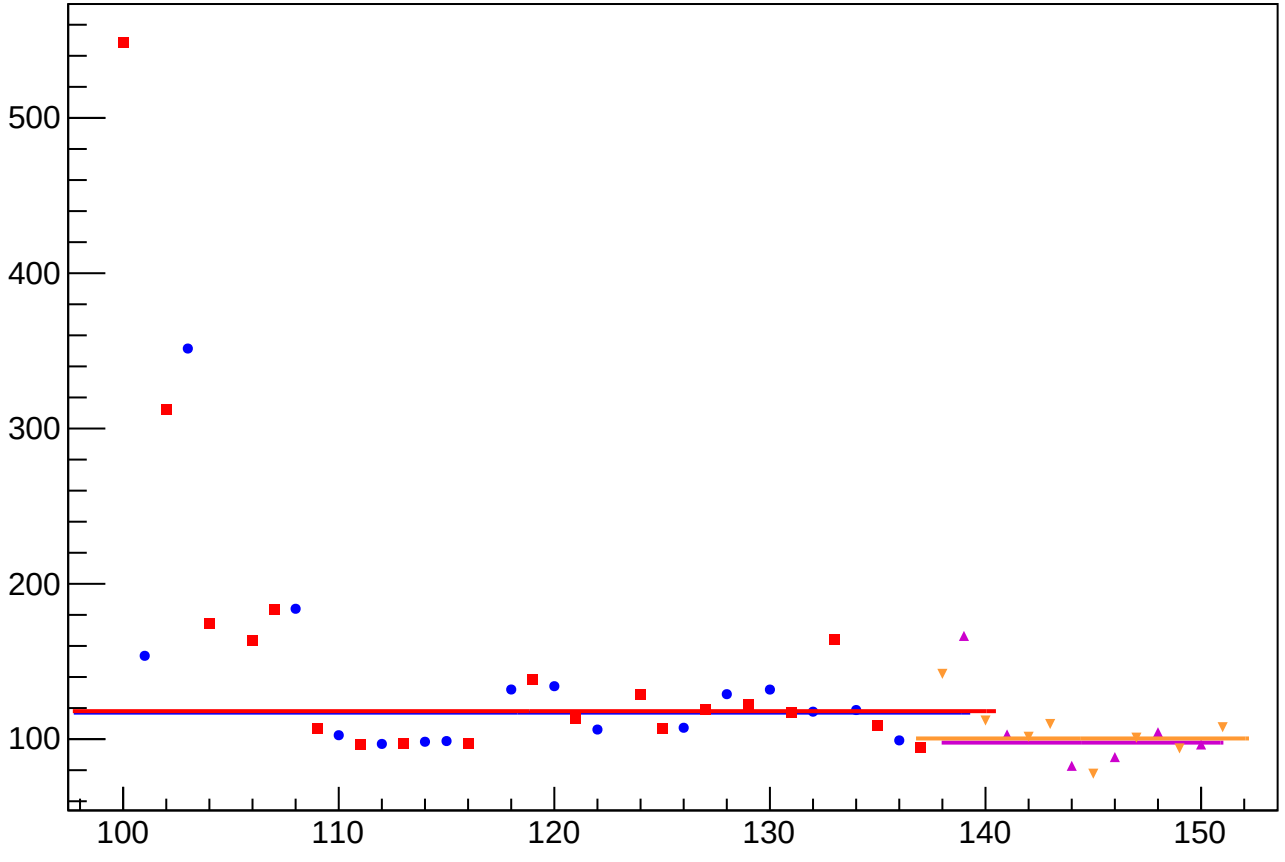
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 36.646+/-31.685 χ^2/NDF:19.5/21

Out: 123.063+/-30.775 χ^2/NDF:38.3/26

All: 81.113+/-22.076 χ^2/NDF: 61.6/48

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.430+/-0.029 χ^2/NDF:299405.1/7

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.760+/-0.031 χ^2/NDF:371853.0/5

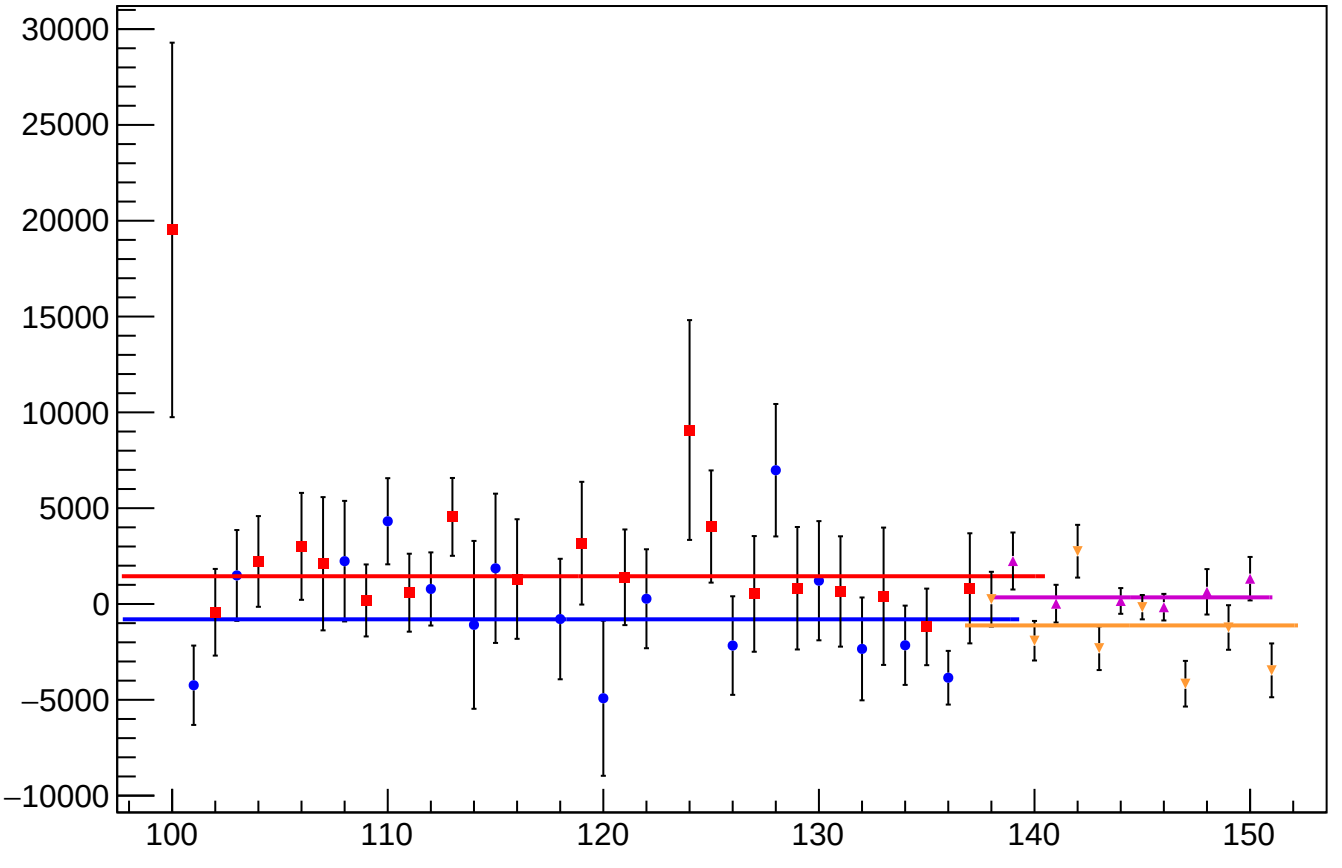
Left: 99.171+/-0.021 χ^2/NDF: 675154.6/13

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 107.037+/-0.022 χ^2/NDF:1415534.7/21

Out: 108.356+/-0.022 χ^2/NDF:1447472.3/26

All: 107.716+/-0.016 χ^2/NDF: 2864789.8/48



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1117.965+/-373.825 χ^2/NDF:22.1/7

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 346.623+/-370.793 χ^2/NDF:3.2/5

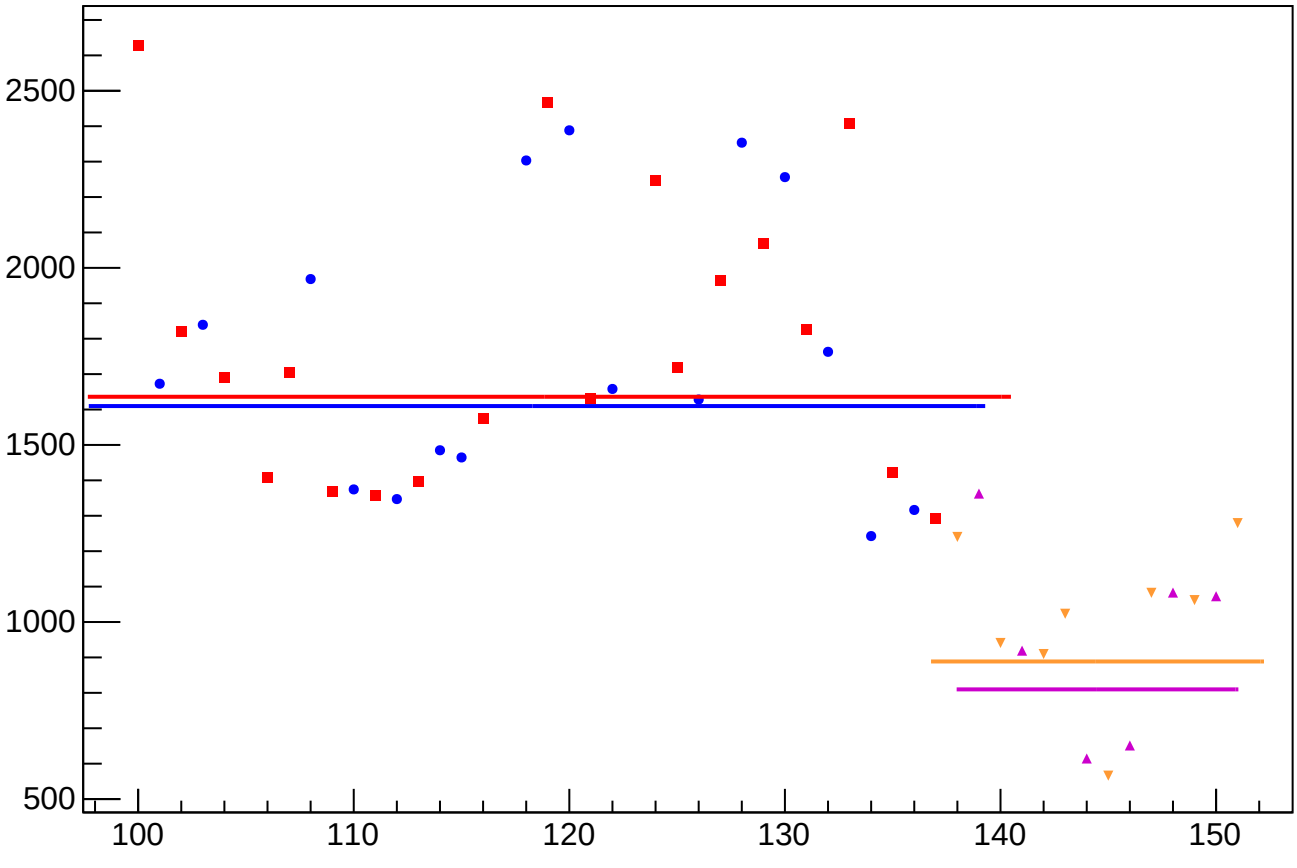
Left: -379.708+/-263.256 χ^2/NDF: 33.0/13

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 41.909+/-317.683 χ^2/NDF:29.1/21

Out: -424.650+/-319.363 χ^2/NDF:47.3/26

All: -190.140+/-225.227 χ^2/NDF: 77.5/48



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 888.566+/-0.264 χ^2/NDF:922113.2/7

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 809.752+/-0.262 χ^2/NDF:788371.1/5

Left: 848.838+/-0.186 χ^2/NDF: 1755296.0/13

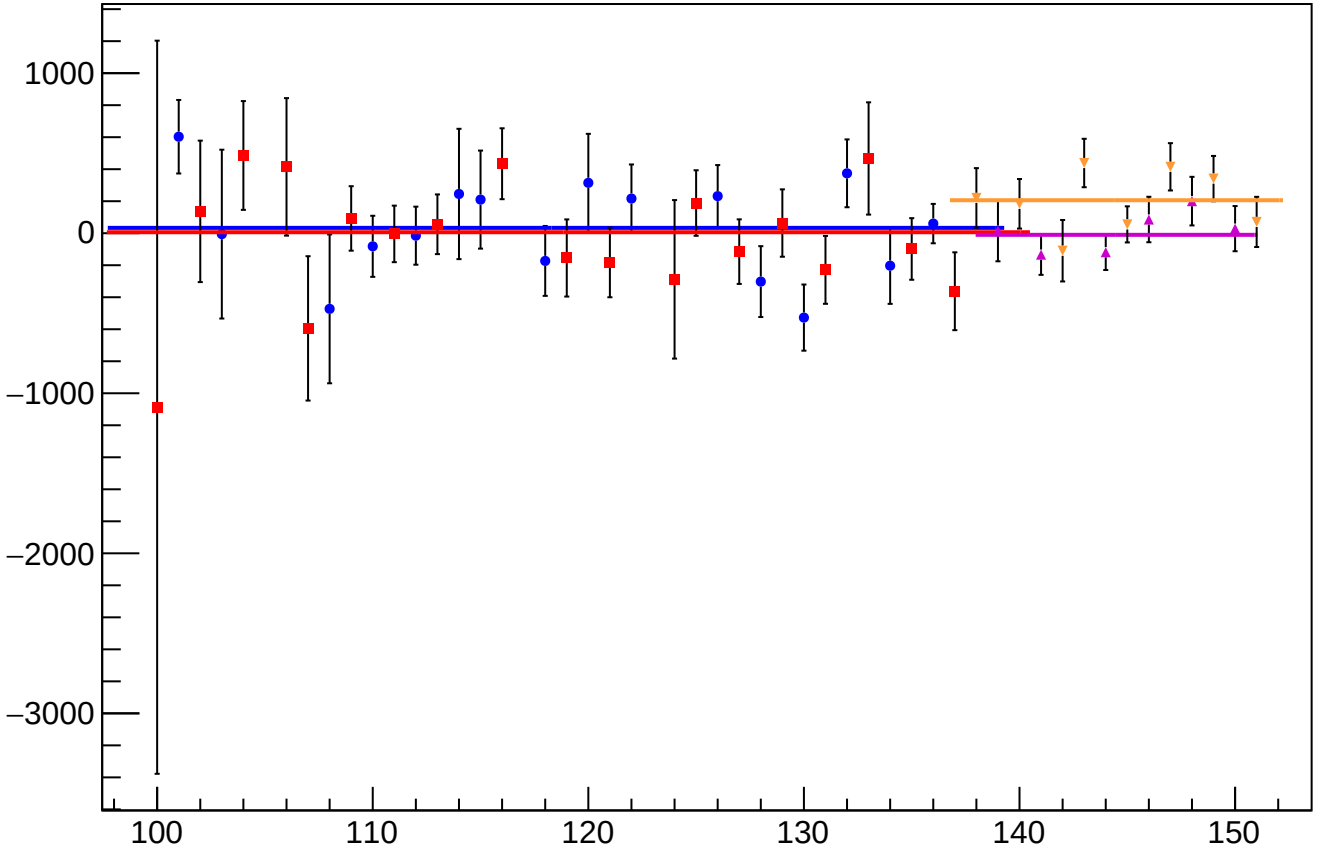
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1022.526+/-0.225 χ^2/NDF:3883779.4/21

Out: 1090.498+/-0.226 χ^2/NDF:3610146.8/26

All: 1056.333+/-0.159 χ^2/NDF: 7539465.3/48

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 206.108+/-52.979 χ^2/NDF:10.5/7

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: -10.057+/-56.442 χ^2/NDF:4.4/5

Left: 104.860+/-38.628 χ^2/NDF: 22.7/13

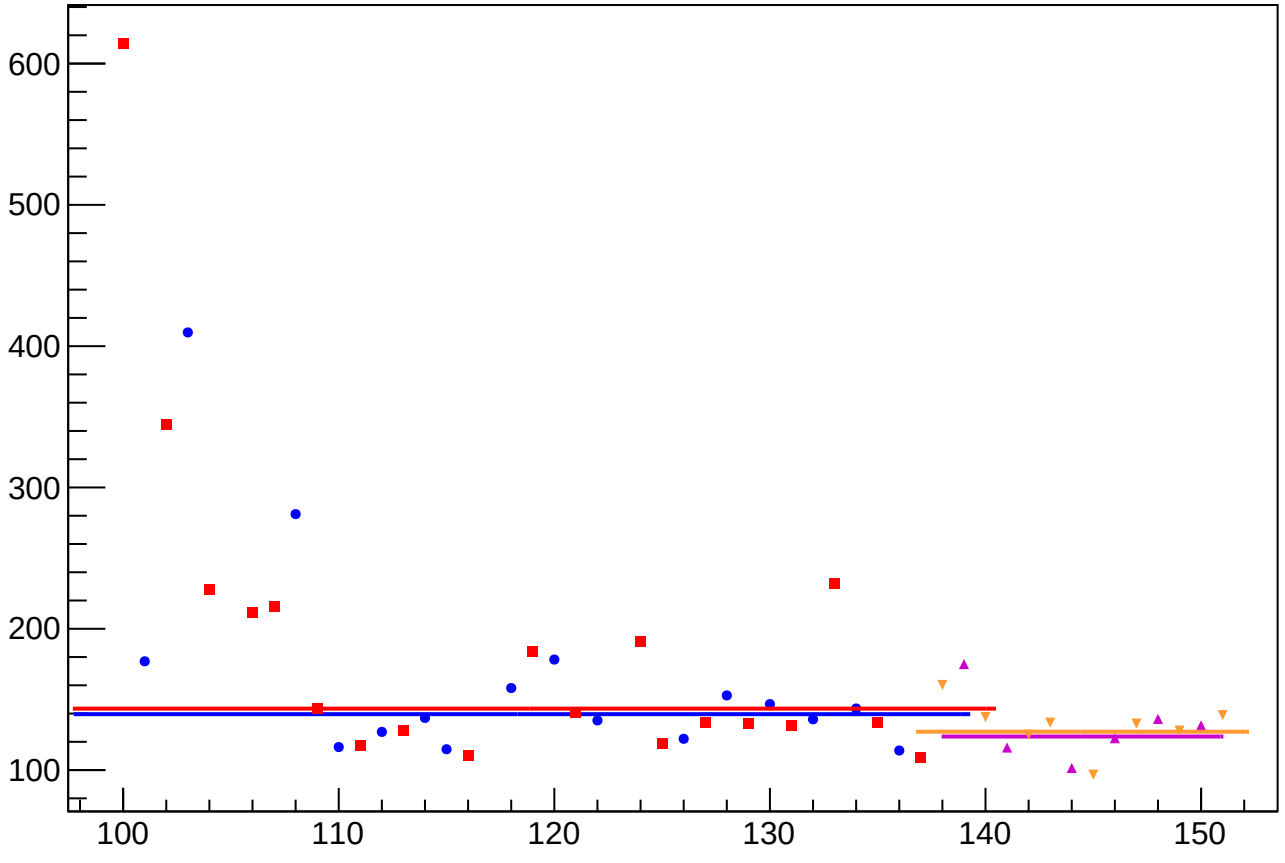
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 12.307+/-39.357 χ^2/NDF:29.9/21

Out: 111.807+/-38.515 χ^2/NDF:34.6/26

All: 63.133+/-27.527 χ^2/NDF: 67.7/48

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 127.155+/-0.037 χ^2/NDF:235819.9/7

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 123.744+/-0.040 χ^2/NDF:251247.5/5

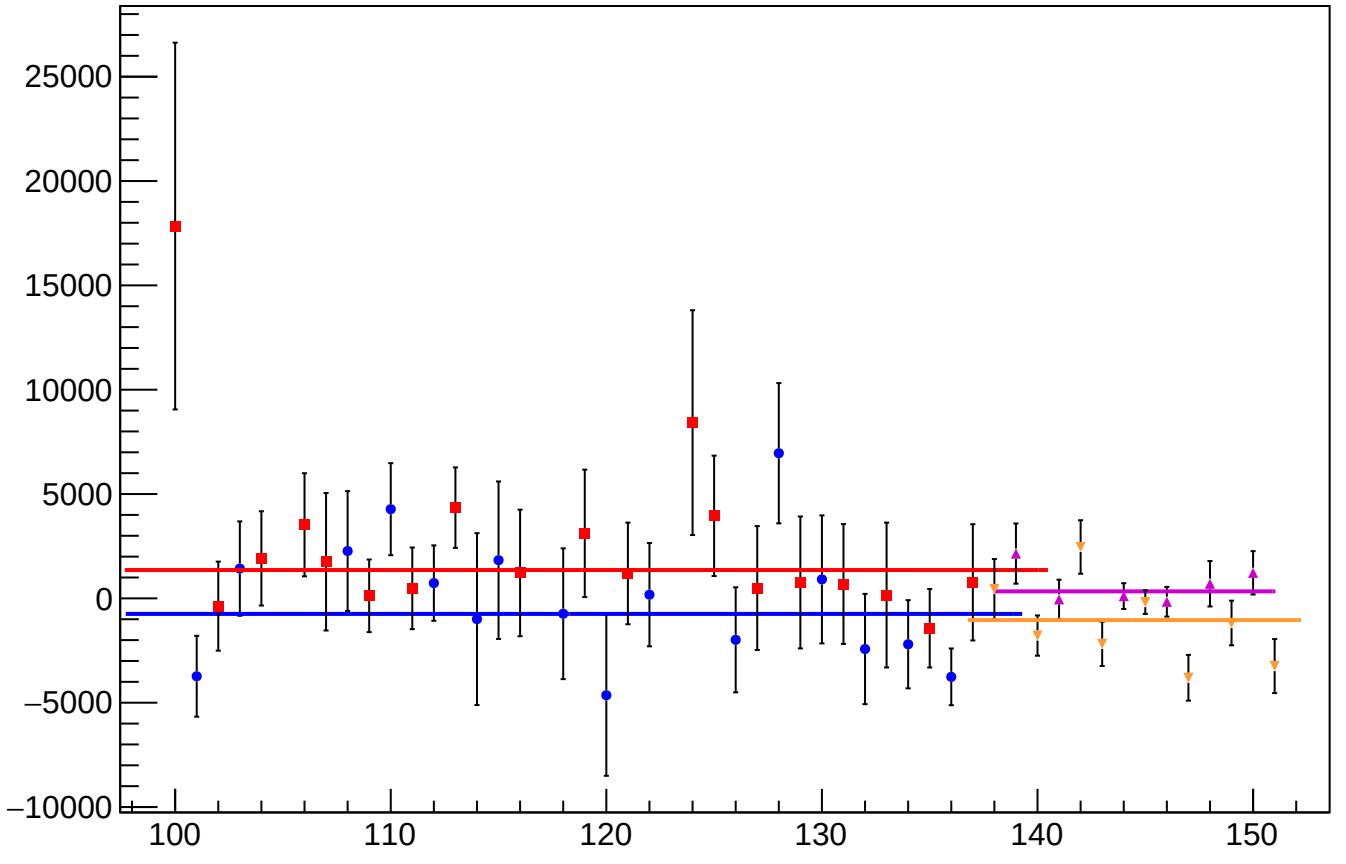
Left: 125.557+/-0.027 χ^2/NDF: 490949.5/13

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 131.873+/-0.028 χ^2/NDF:1308731.5/21

Out: 134.852+/-0.027 χ^2/NDF:1442025.6/26

All: 133.395+/-0.019 χ^2/NDF: 2756608.3/48



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1040.427+/-343.401 χ^2/NDF:21.9/7

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 335.445+/-354.194 χ^2/NDF:3.2/5

Left: -373.772+/-246.549 χ^2/NDF: 32.9/13

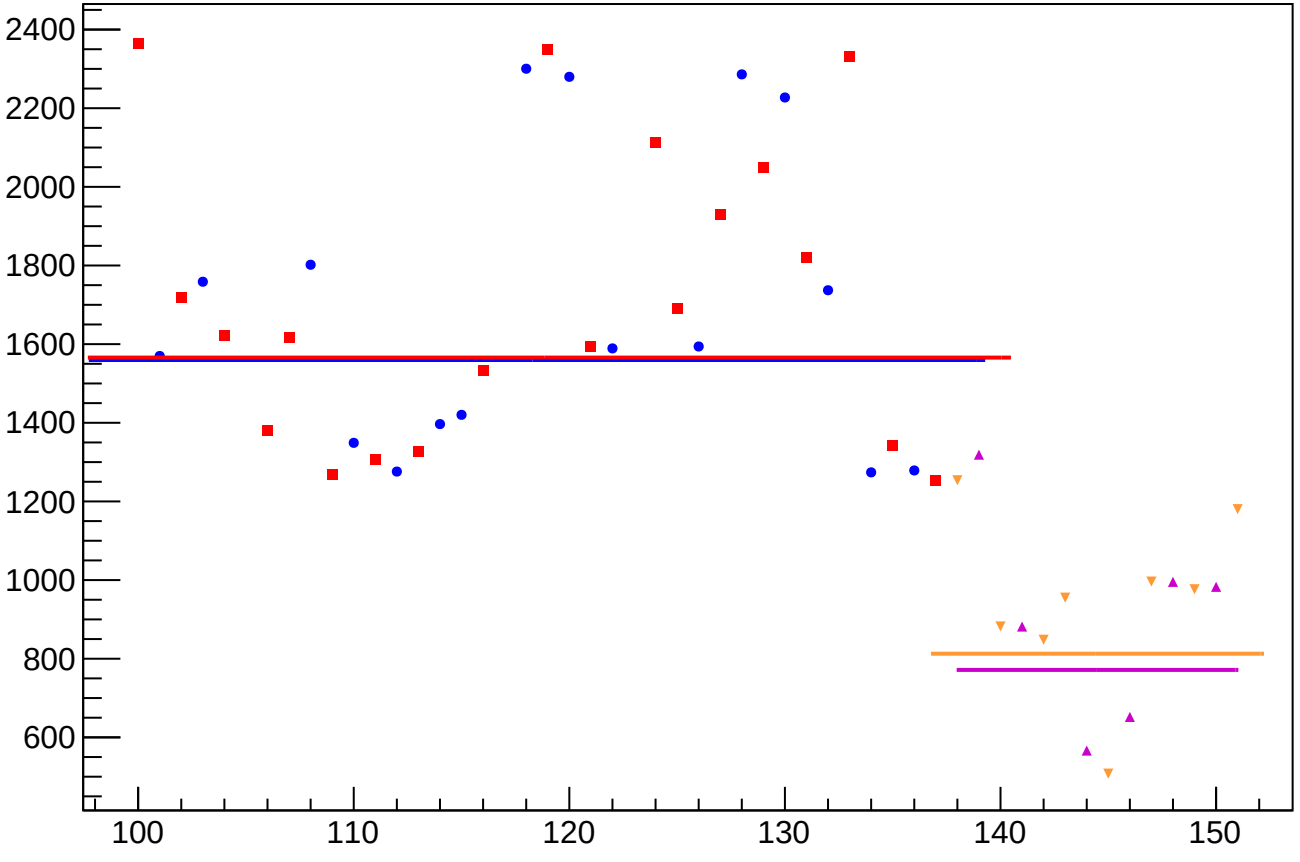
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 53.402+/-304.458 χ^2/NDF:29.1/21

Out: -427.065+/-296.252 χ^2/NDF:47.9/26

All: -193.394+/-212.324 χ^2/NDF: 78.3/48

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 812.781+/-0.243 χ^2/NDF:1081808.5/7

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 771.567+/-0.250 χ^2/NDF:760057.7/5

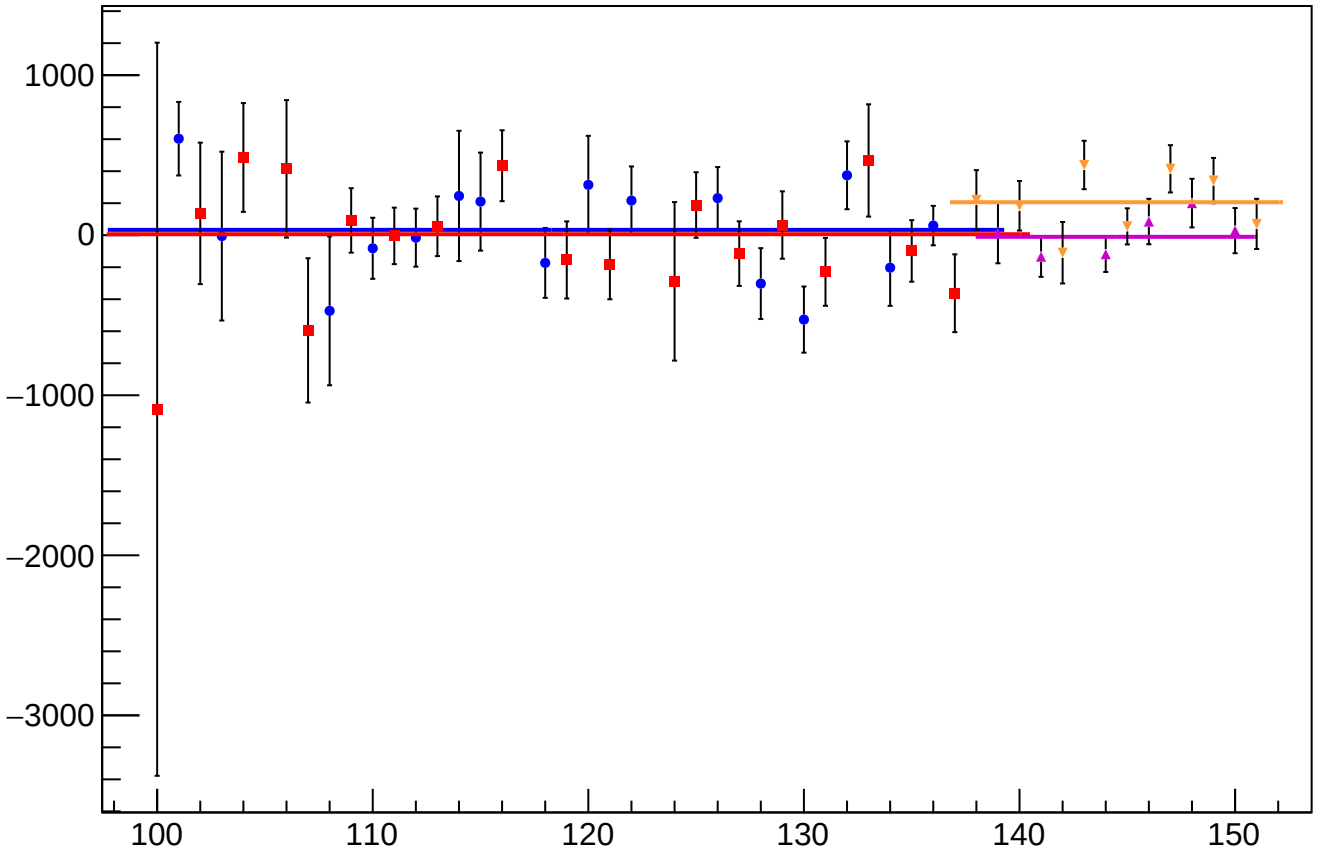
Left: 792.812+/-0.174 χ^2/NDF: 1855825.2/13

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 977.373+/-0.215 χ^2/NDF:3950258.2/21

Out: 1005.367+/-0.209 χ^2/NDF:4105228.6/26

All: 991.752+/-0.150 χ^2/NDF: 8064171.8/48



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 206.109+/-52.980 χ^2/NDF:10.5/7

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: -10.057+/-56.442 χ^2/NDF:4.4/5

Left: 104.859+/-38.628 χ^2/NDF: 22.7/13

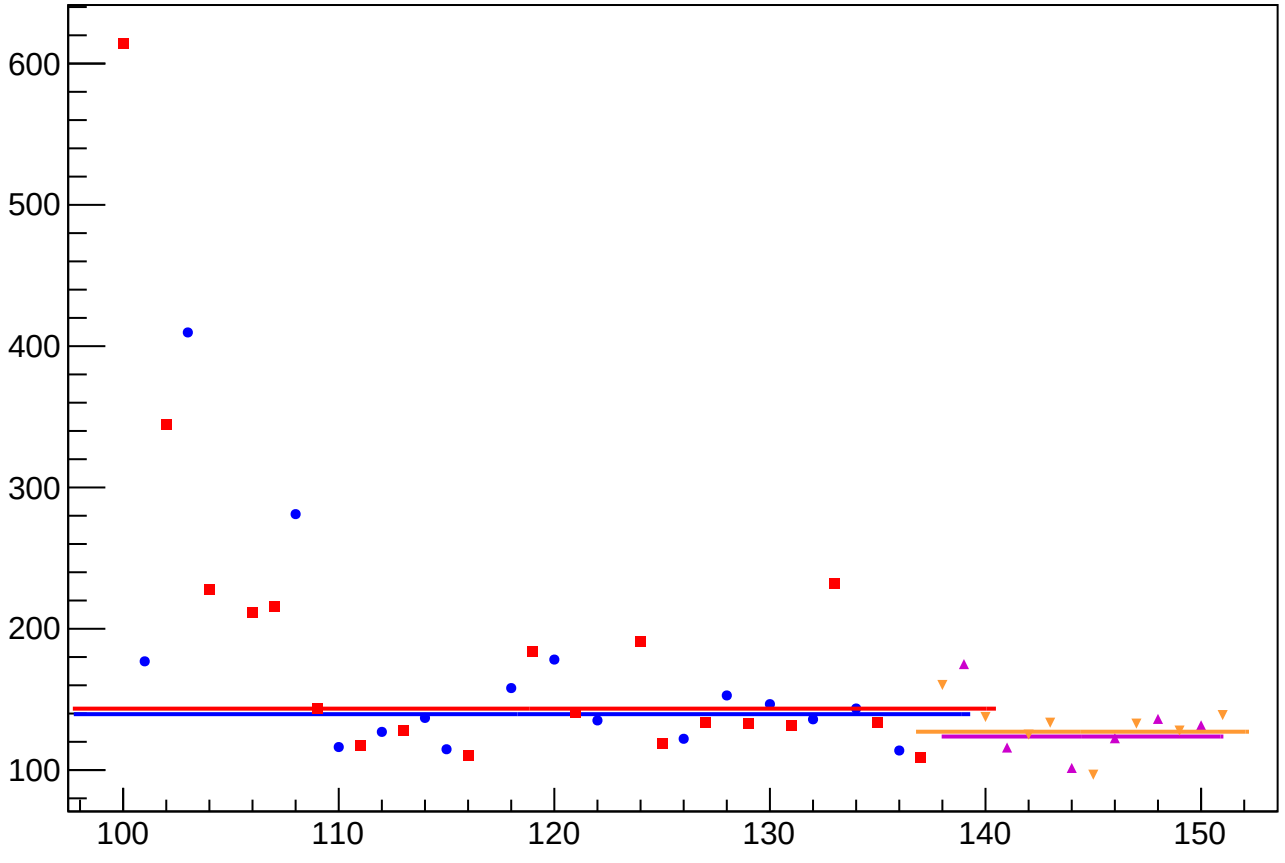
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 12.306+/-39.357 χ^2/NDF:29.9/21

Out: 111.805+/-38.515 χ^2/NDF:34.6/26

All: 63.131+/-27.527 χ^2/NDF: 67.7/48

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 127.155+/-0.037 χ^2/NDF:235826.4/7

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 123.745+/-0.040 χ^2/NDF:251246.8/5

Left: 125.558+/-0.027 χ^2/NDF: 490955.9/13

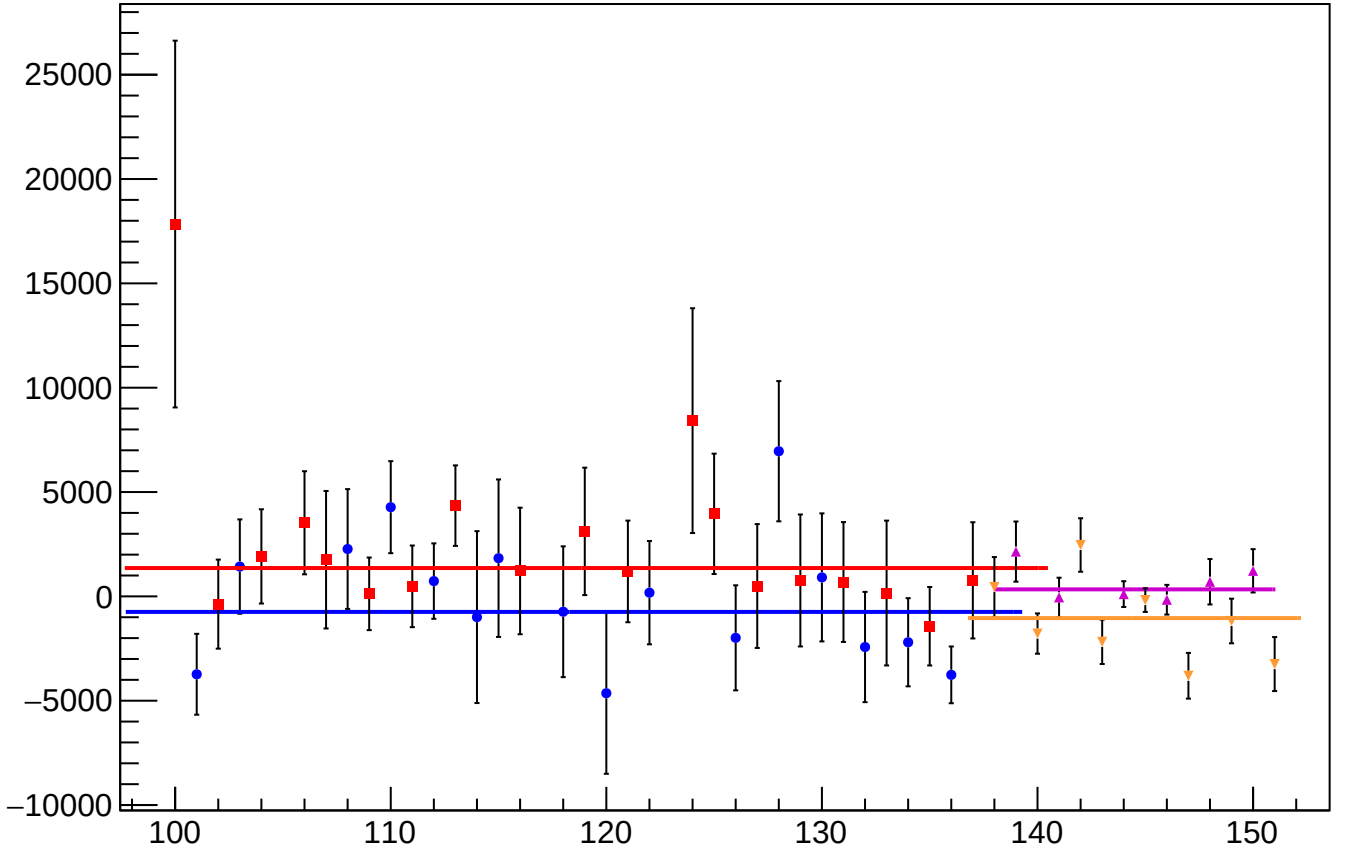
Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 131.874+/-0.028 χ^2/NDF:1308732.1/21

Out: 134.852+/-0.027 χ^2/NDF:1442035.7/26

All: 133.395+/-0.019 χ^2/NDF: 2756620.0/48

asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1040.430+/-343.401 χ^2/NDF:21.9/7

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 335.444+/-354.193 χ^2/NDF:3.2/5

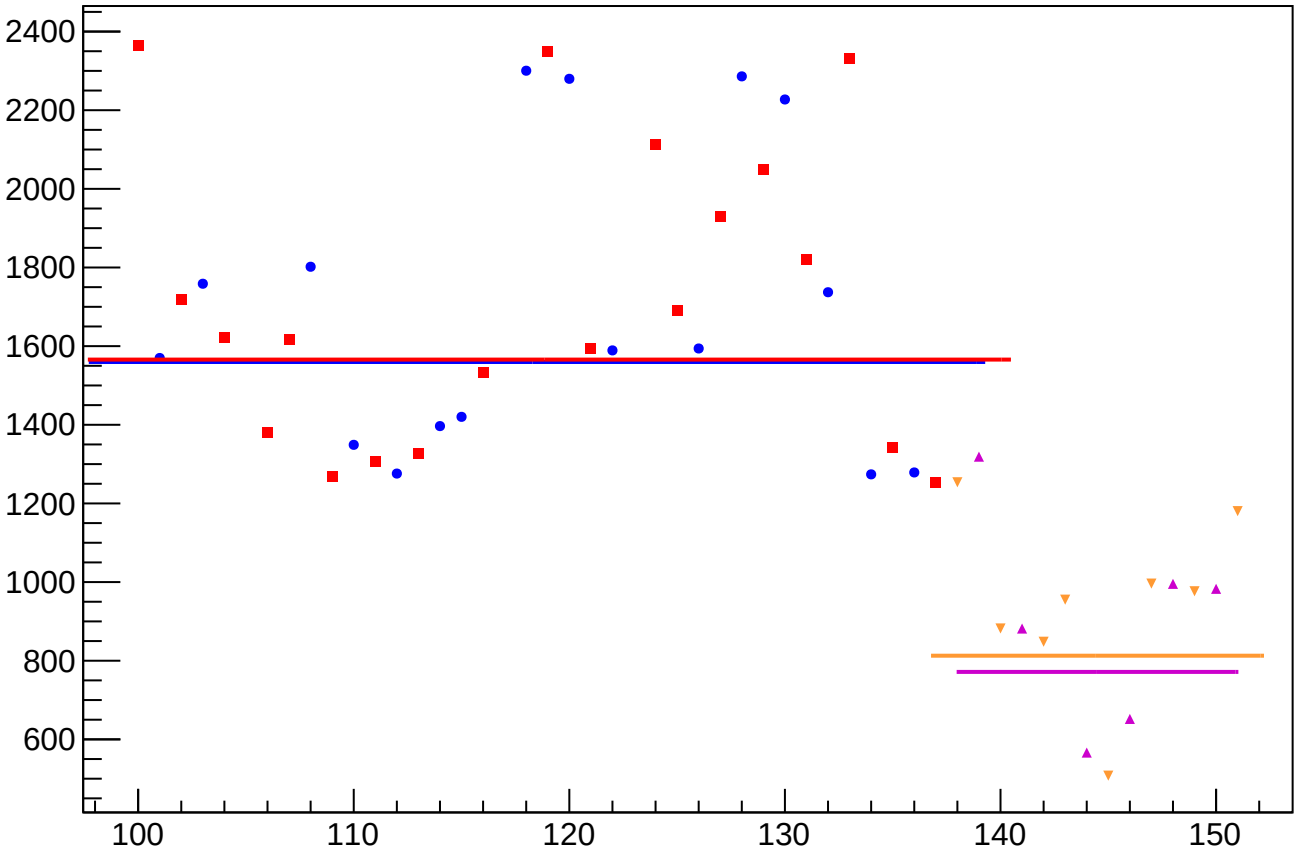
Left: -373.773+/-246.548 χ^2/NDF: 32.9/13

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 53.402+/-304.458 χ^2/NDF:29.1/21

Out: -427.067+/-296.252 χ^2/NDF:47.9/26

All: -193.394+/-212.324 χ^2/NDF: 78.3/48



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 812.781+/-0.243 χ^2/NDF:1081808.0/7

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 771.566+/-0.250 χ^2/NDF:760058.7/5

Left: 792.811+/-0.174 χ^2/NDF: 1855825.6/13

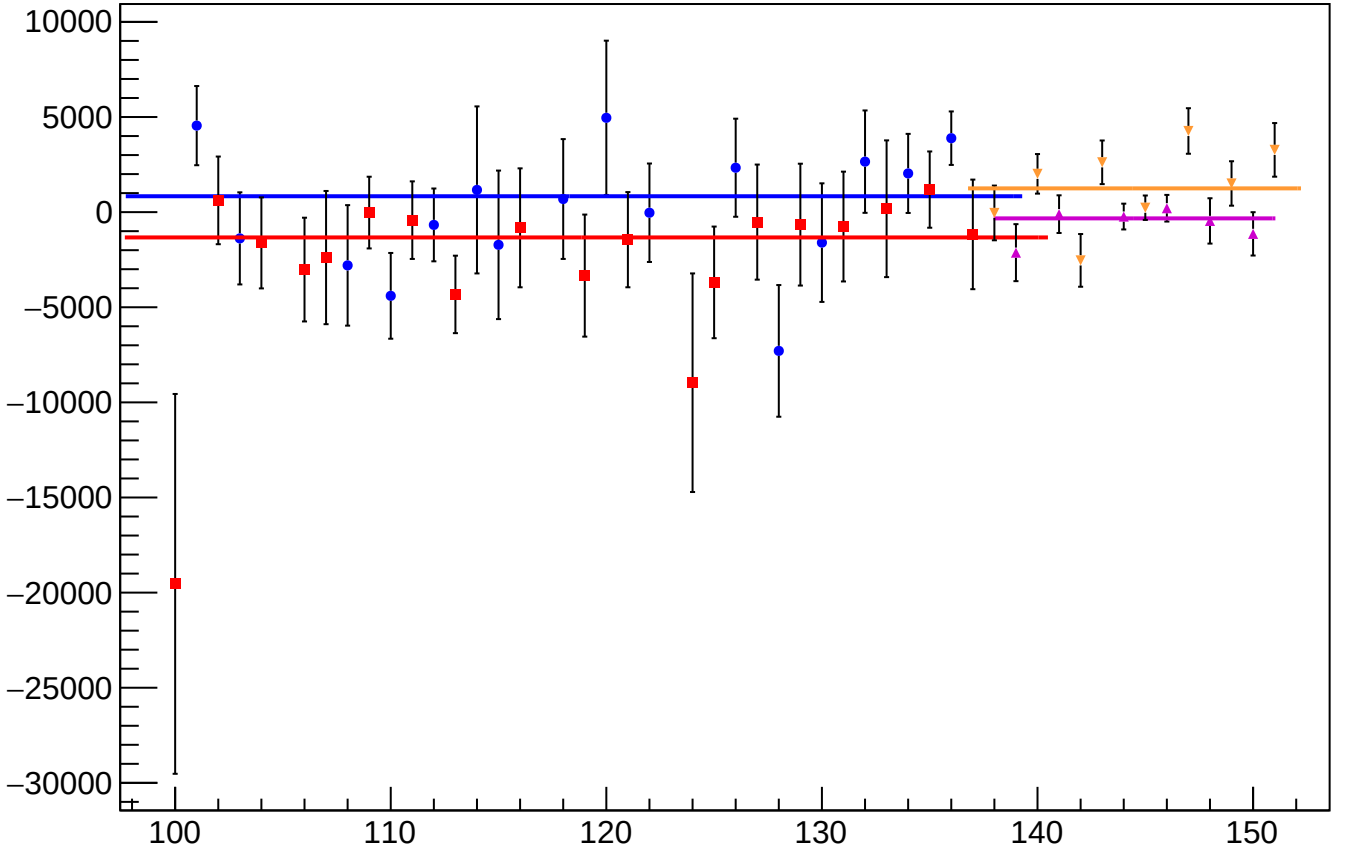
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 977.372+/-0.215 χ^2/NDF:3950258.7/21

Out: 1005.366+/-0.209 χ^2/NDF:4105223.8/26

All: 991.751+/-0.150 χ^2/NDF: 8064167.4/48

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1248.946+/-376.574 χ^2/NDF:21.2/7

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -328.180+/-373.822 χ^2/NDF:2.6/5

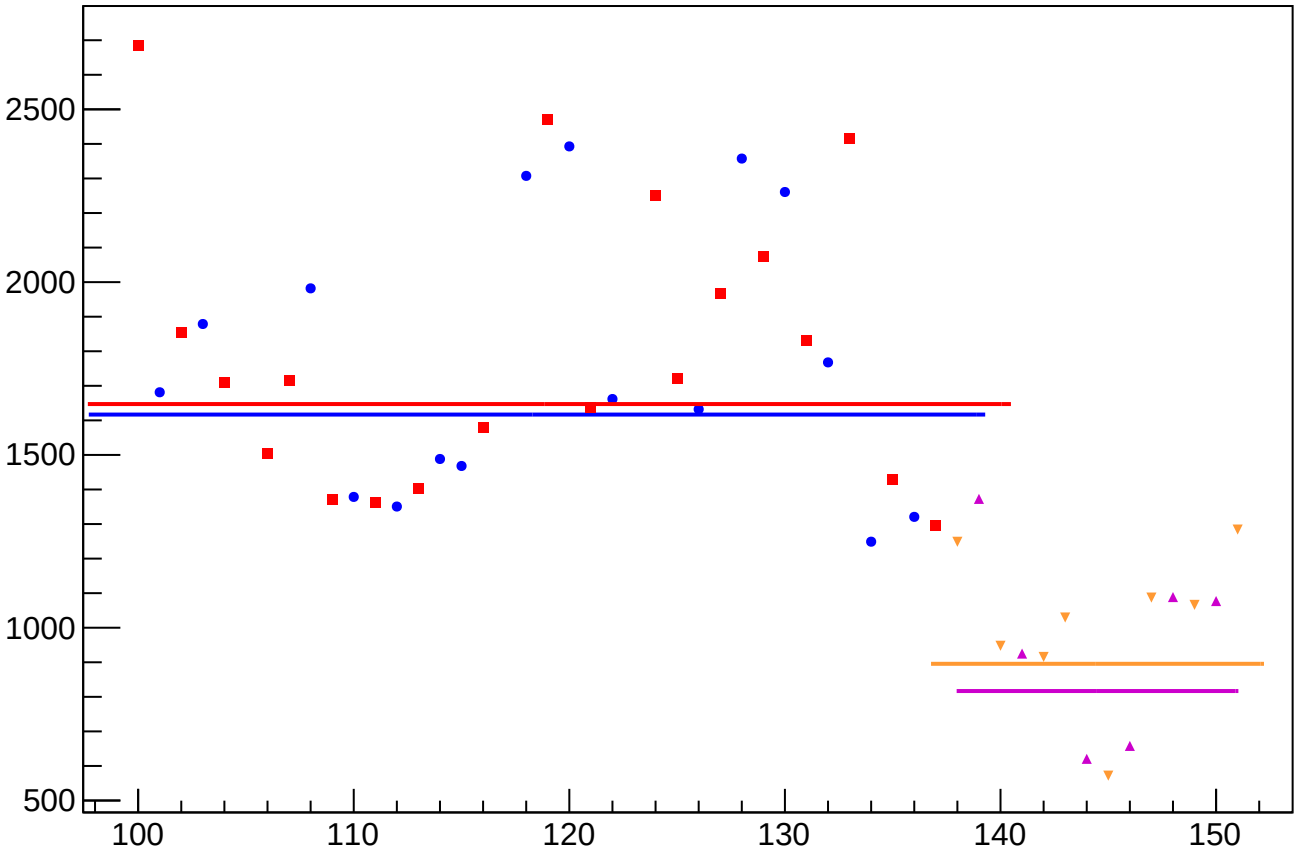
Left: 454.599+/-265.299 χ^2/NDF: 32.7/13

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -17.033+/-319.965 χ^2/NDF:30.1/21

Out: 548.188+/-321.354 χ^2/NDF:46.1/26

All: 264.353+/-226.739 χ^2/NDF: 77.7/48



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 895.585+/-0.266 χ^2/NDF:907489.0/7

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 816.806+/-0.264 χ^2/NDF:778440.4/5

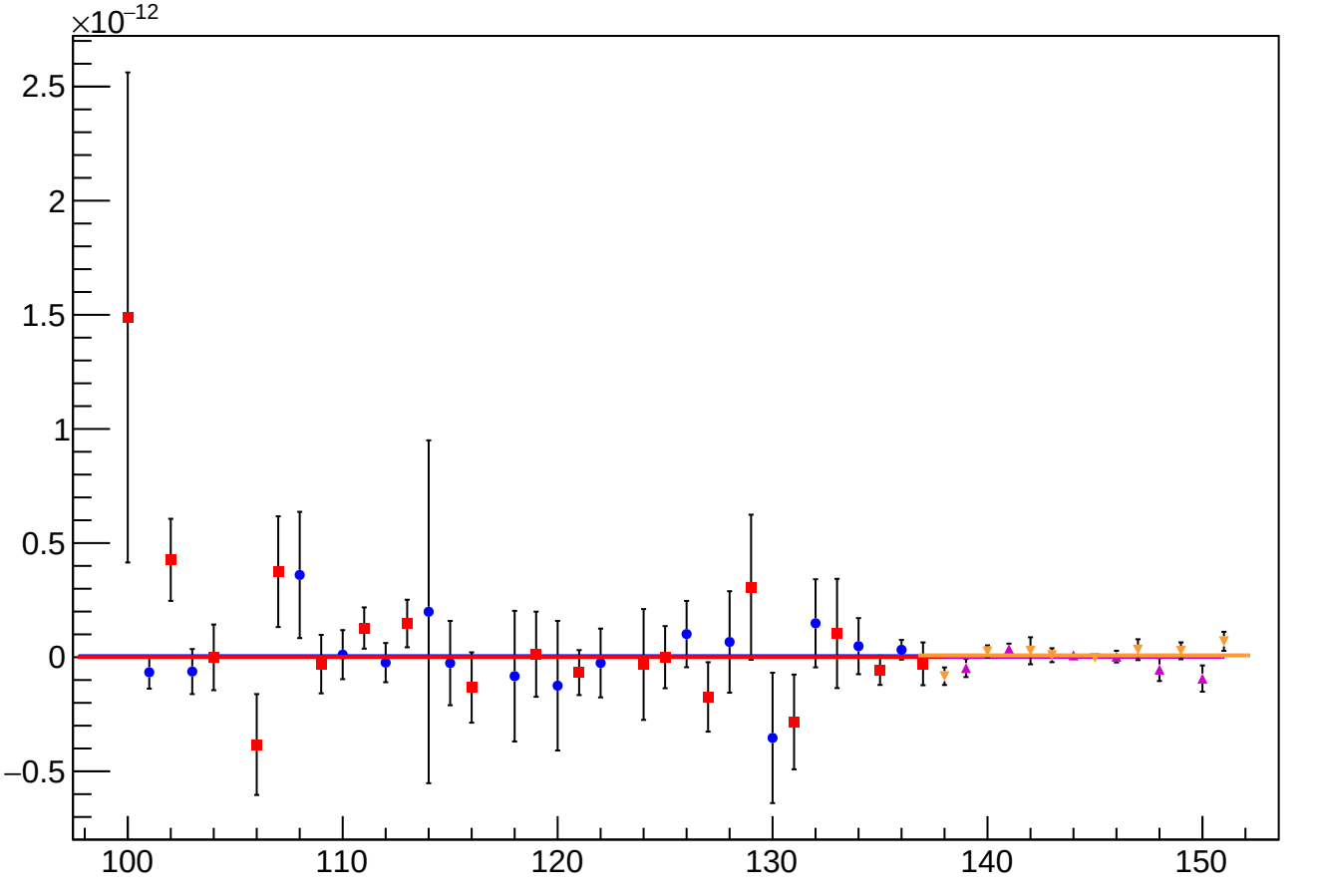
Left: 855.906+/-0.188 χ^2/NDF: 1730015.4/13

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1030.711+/-0.226 χ^2/NDF:3849845.4/21

Out: 1099.860+/-0.227 χ^2/NDF:3596836.3/26

All: 1065.136+/-0.160 χ^2/NDF: 7493184.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/5

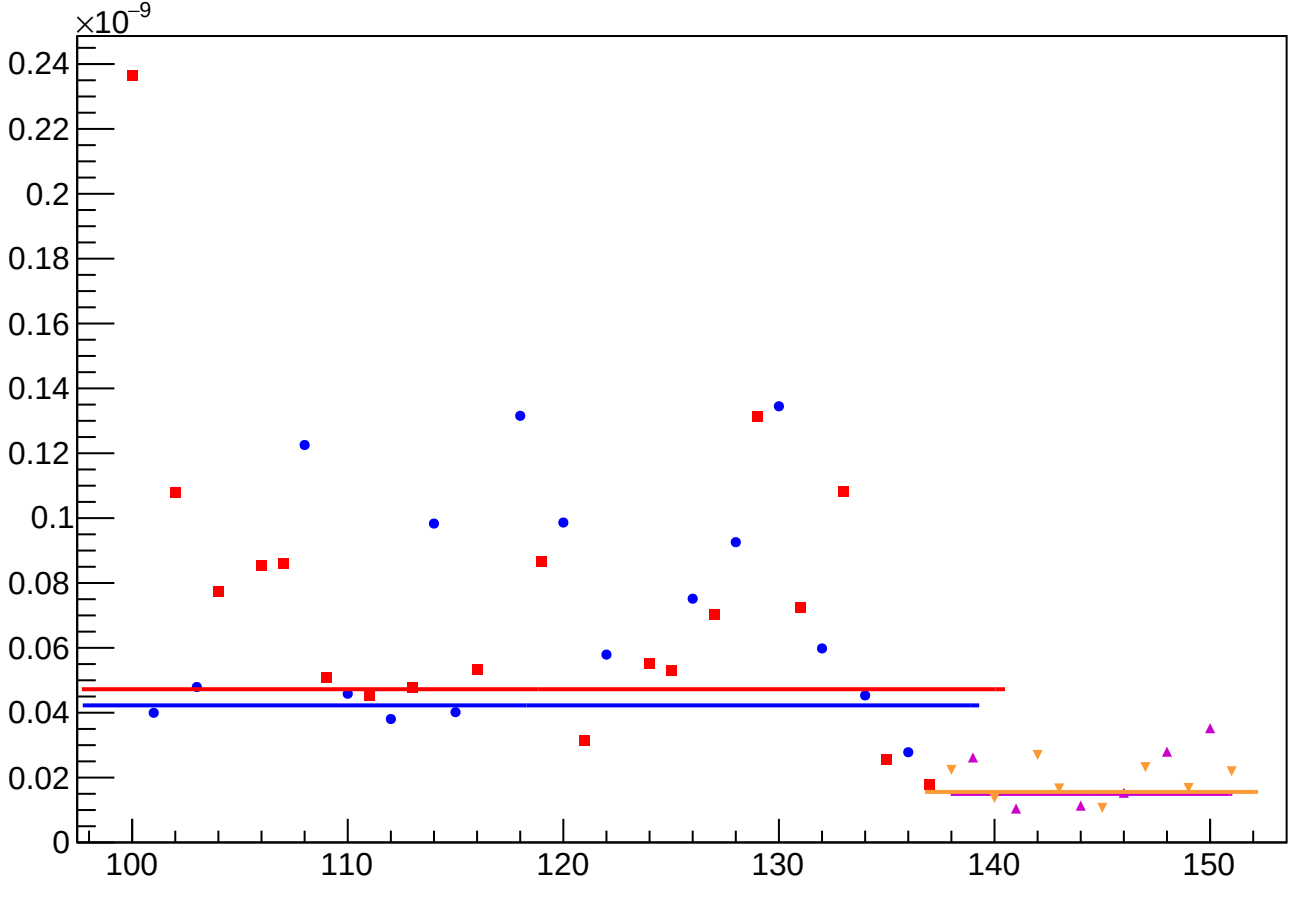
Left: 0.000+/-0.000 χ^2/NDF: 17.1/13

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:14.6/21

Out: 0.000+/-0.000 χ^2/NDF:32.7/26

All: 0.000+/-0.000 χ^2/NDF: 47.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:395439.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:697145.0/5

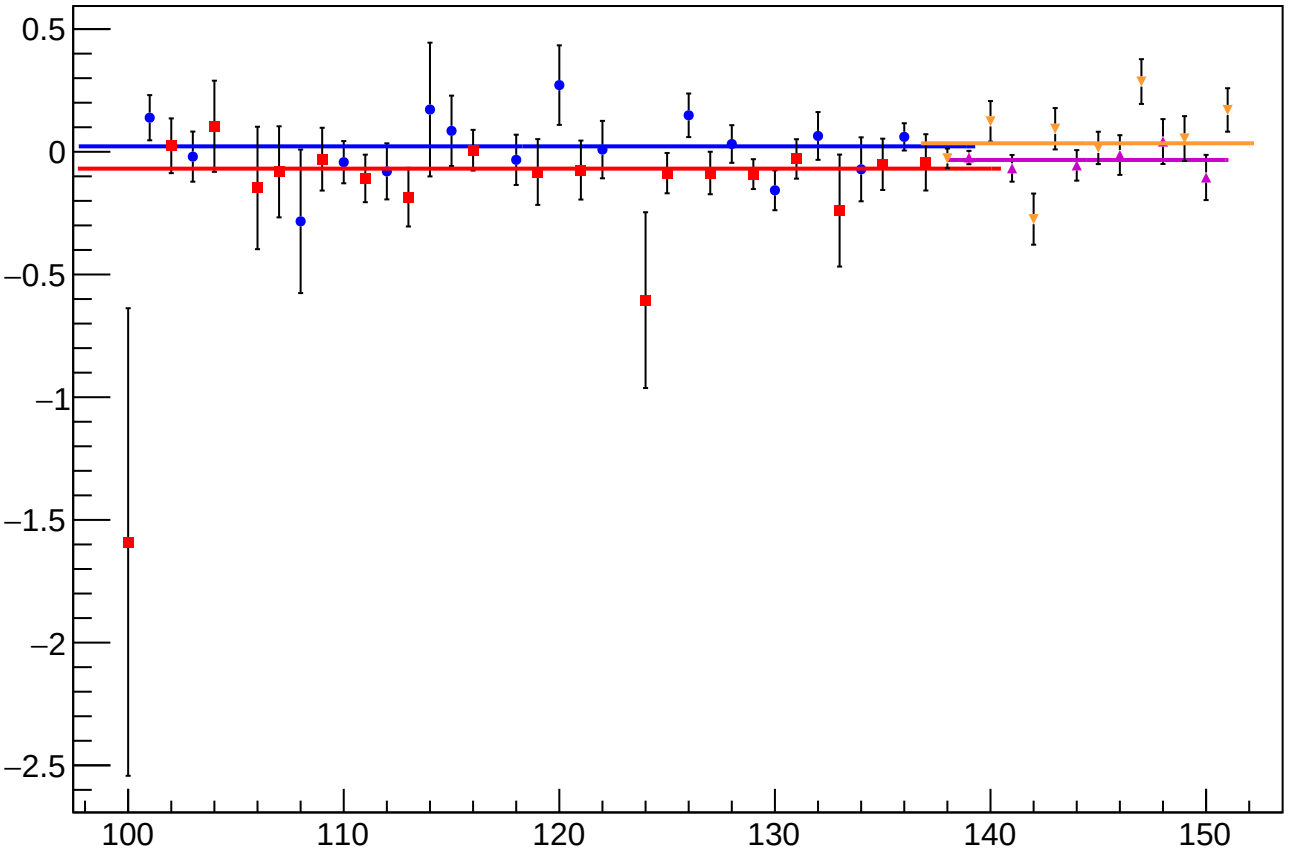
Left: 0.000+/-0.000 χ^2/NDF: 1095609.4/13

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:3553632.2/21

Out: 0.000+/-0.000 χ^2/NDF:3733088.1/26

All: 0.000+/-0.000 χ^2/NDF: 7287392.0/48



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.033+/-0.021 χ^2/NDF:2.0/5

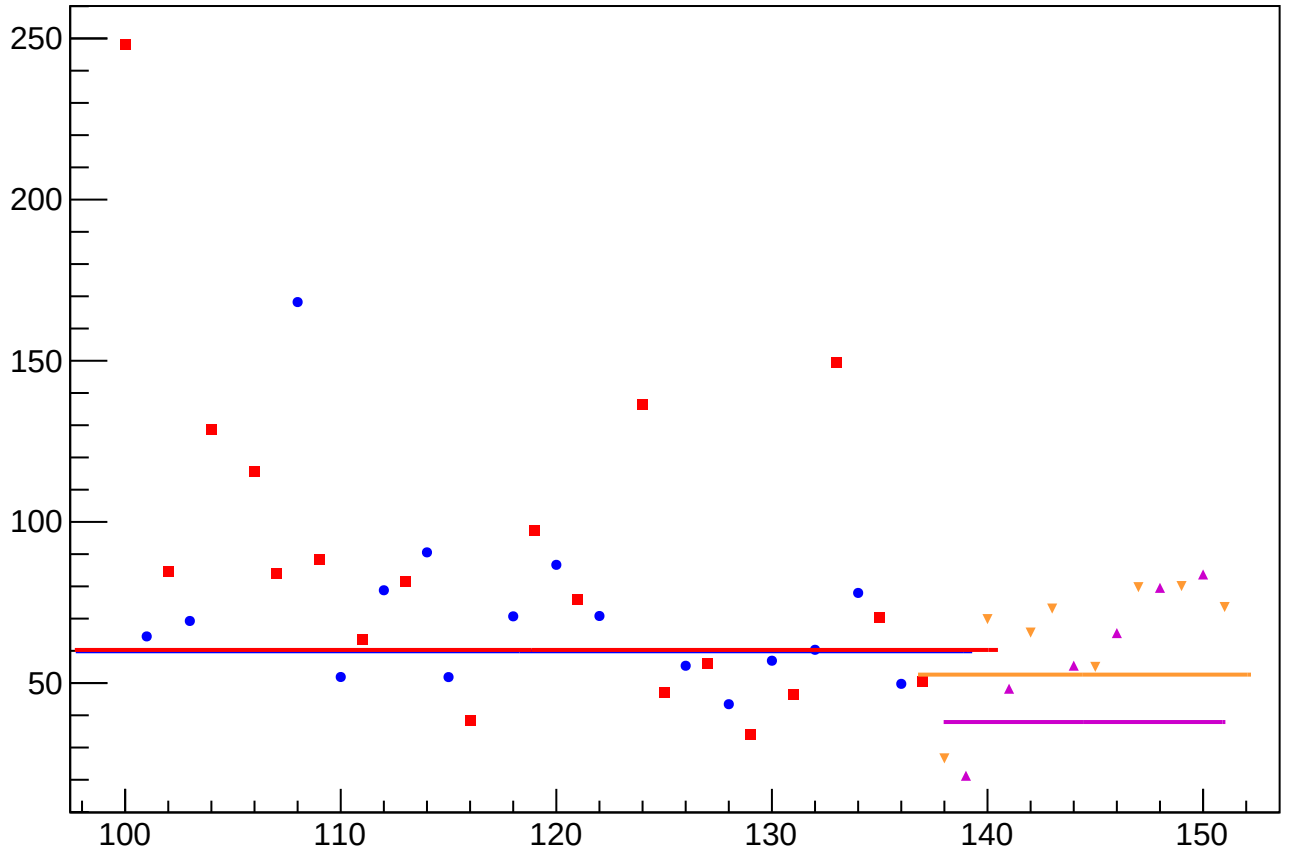
Left: -0.006+/-0.016 χ^2/NDF: 29.3/13

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.010+/-0.016 χ^2/NDF:20.5/21

Out: -0.016+/-0.018 χ^2/NDF:40.9/26

All: -0.013+/-0.012 χ^2/NDF: 61.5/48



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.624+/-0.018 χ^2/NDF:1560227.5/7

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 37.913+/-0.015 χ^2/NDF:2125325.4/5

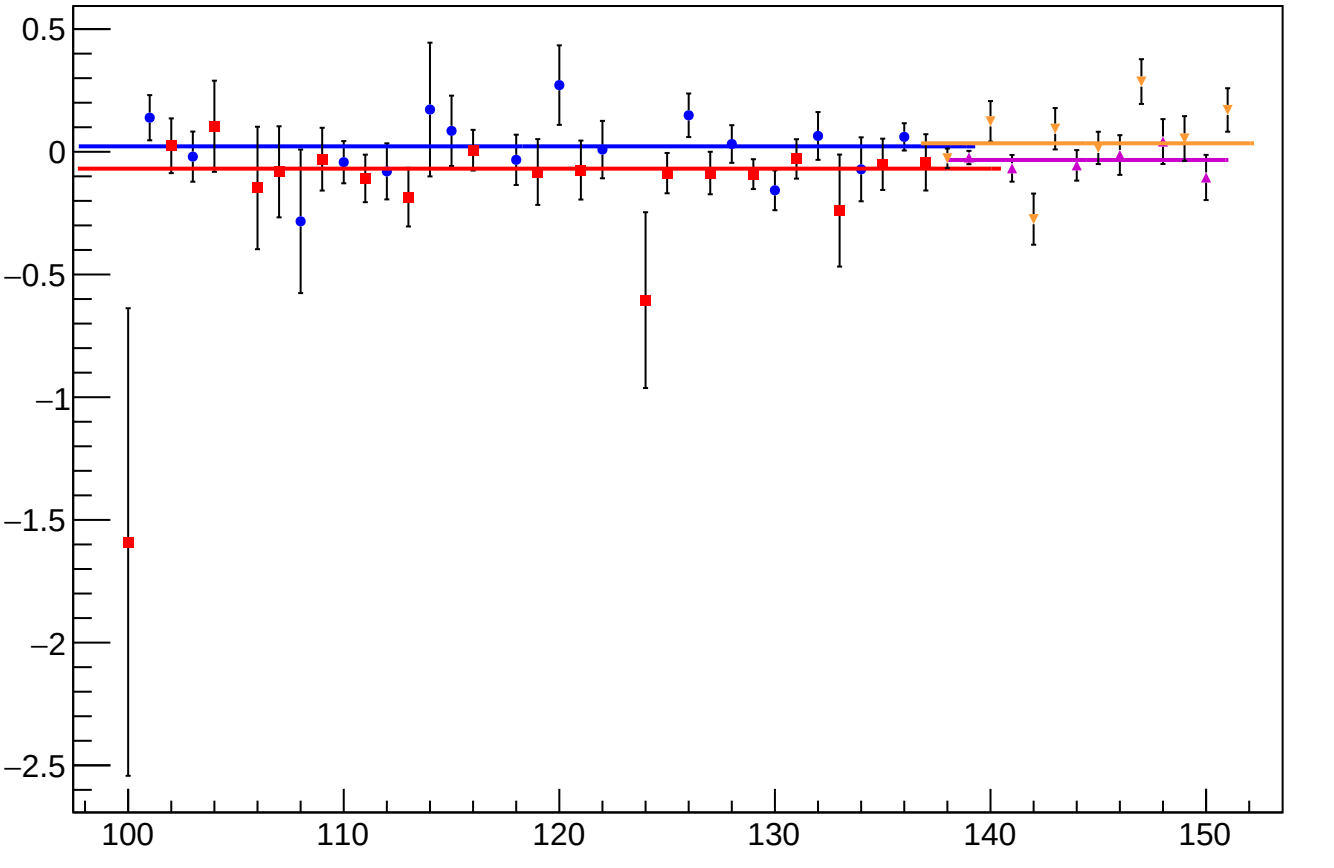
Left: 43.897+/-0.011 χ^2/NDF: 4098137.9/13

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 46.960+/-0.011 χ^2/NDF:3755159.7/21

Out: 56.400+/-0.013 χ^2/NDF:3630354.2/26

All: 51.143+/-0.008 χ^2/NDF: 7700339.4/48



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.033+/-0.021 χ^2/NDF:2.0/5

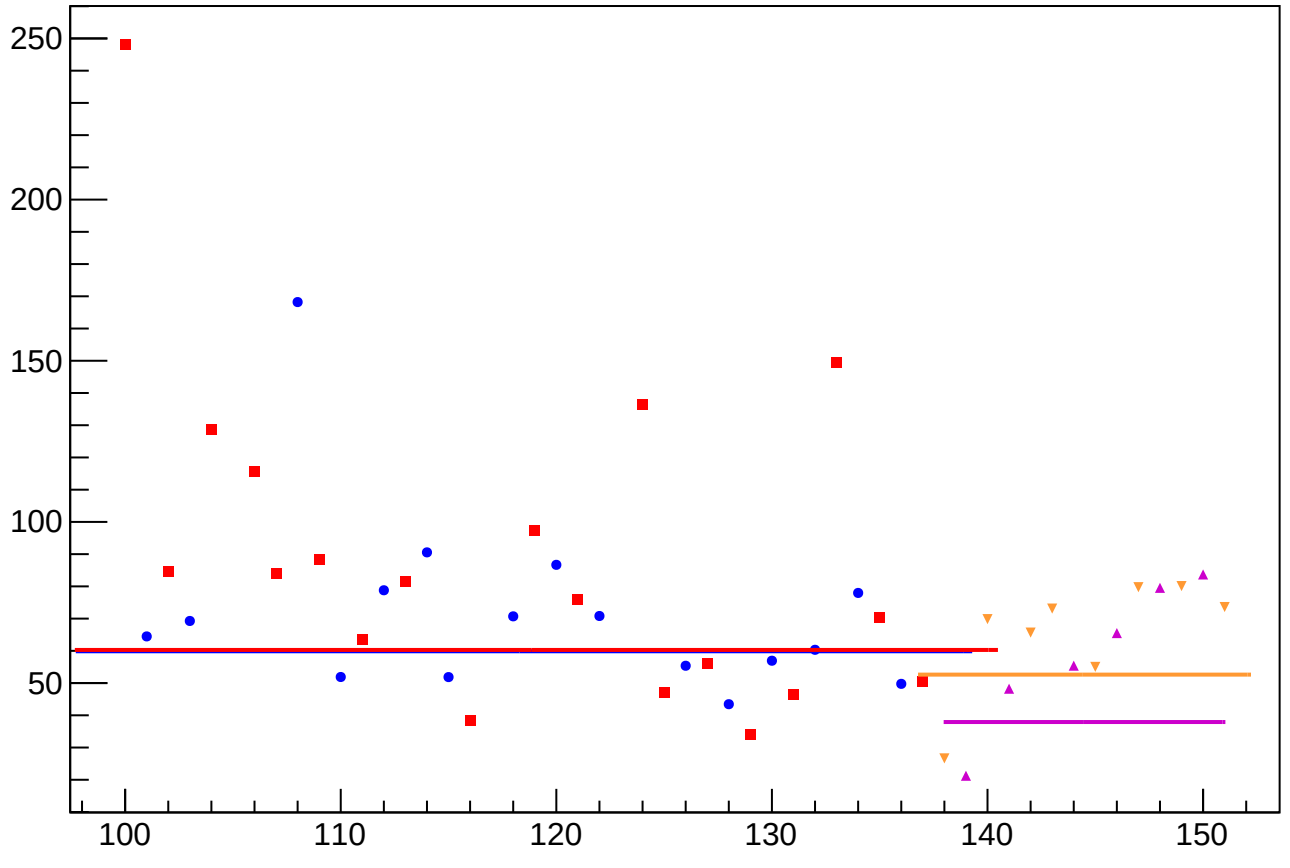
Left: -0.006+/-0.016 χ^2/NDF: 29.3/13

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.010+/-0.016 χ^2/NDF:20.5/21

Out: -0.016+/-0.018 χ^2/NDF:40.9/26

All: -0.013+/-0.012 χ^2/NDF: 61.5/48



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.624+/-0.018 χ^2/NDF:1560227.5/7

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 37.913+/-0.015 χ^2/NDF:2125325.4/5

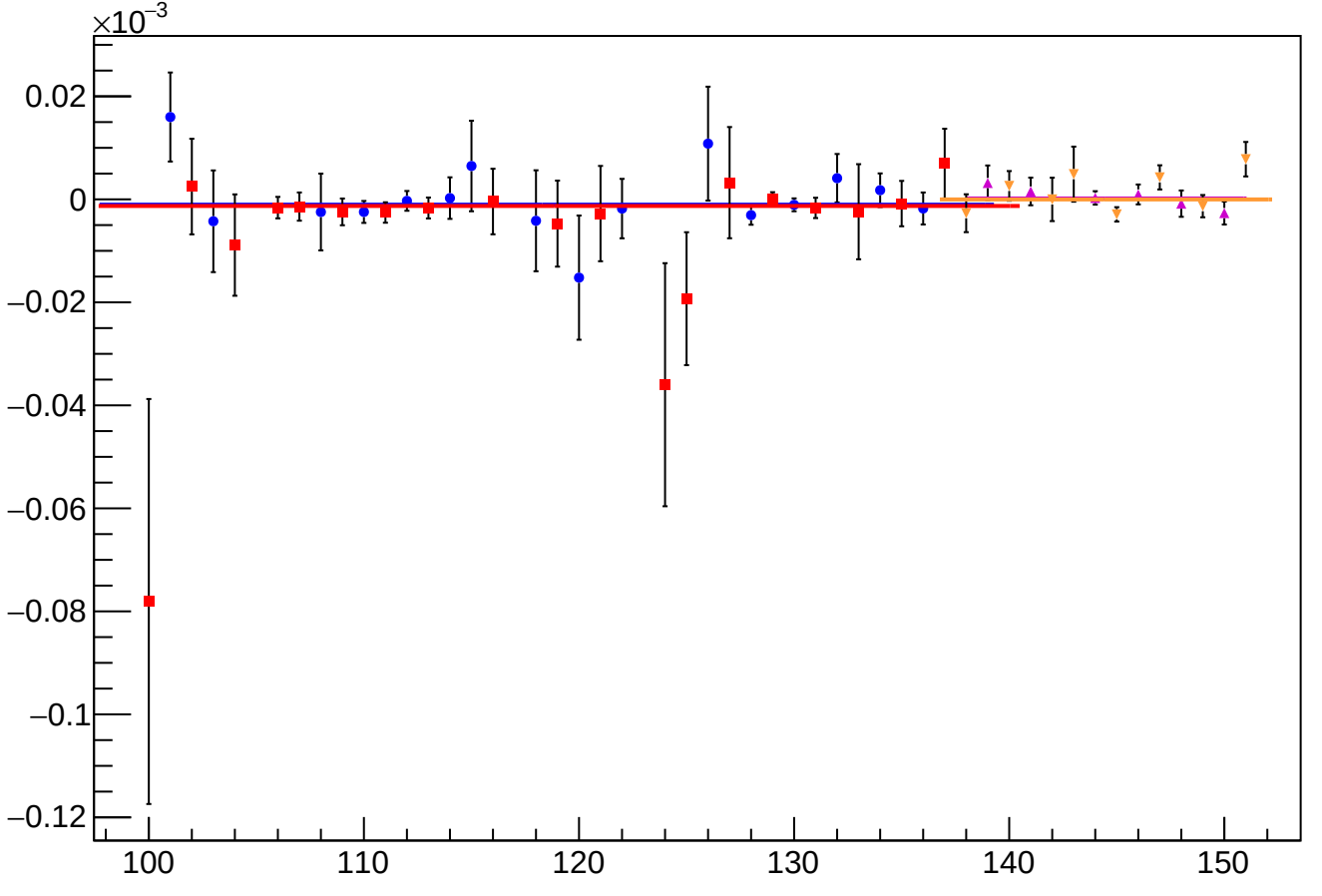
Left: 43.897+/-0.011 χ^2/NDF: 4098137.9/13

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 46.960+/-0.011 χ^2/NDF:3755159.7/21

Out: 56.400+/-0.013 χ^2/NDF:3630354.2/26

All: 51.143+/-0.008 χ^2/NDF: 7700339.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/5

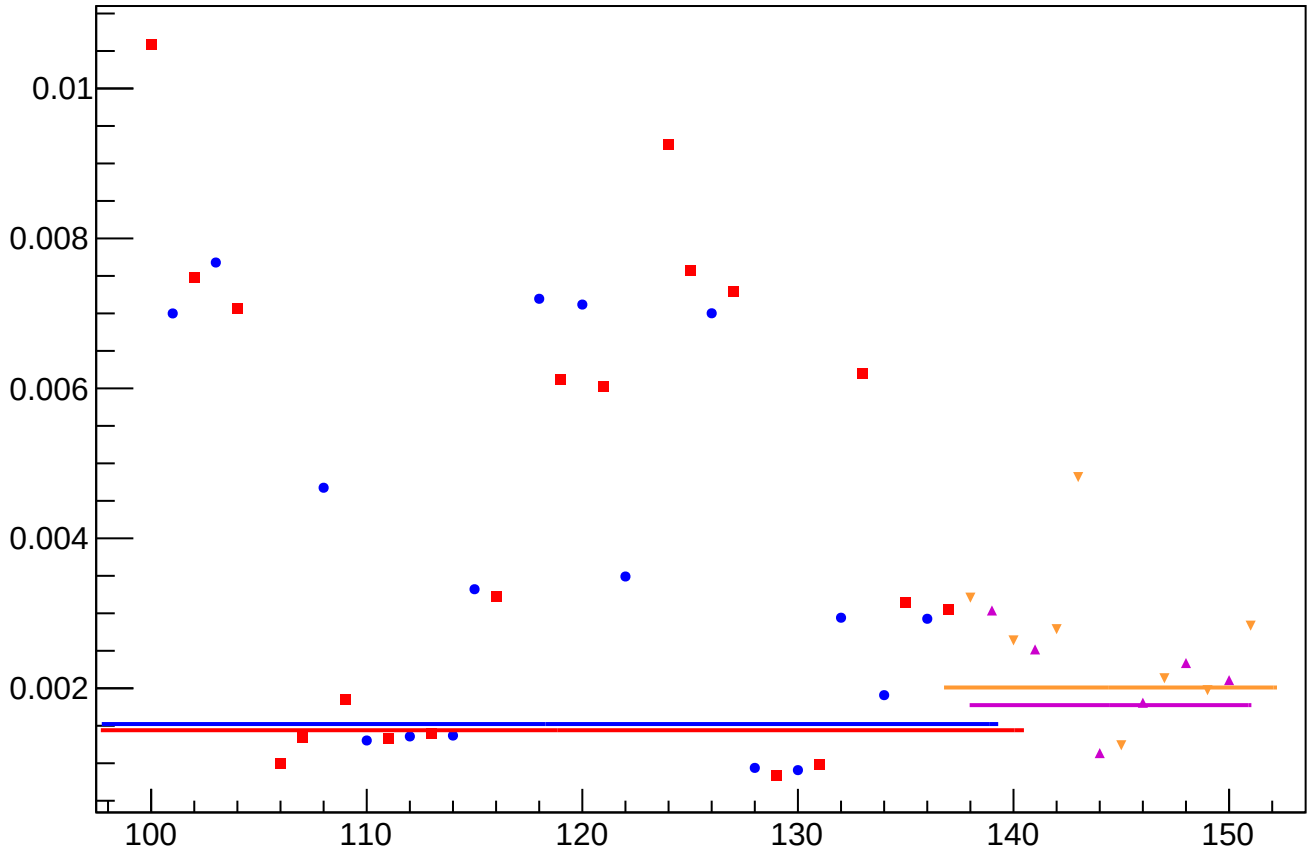
Left: 0.000+/-0.000 χ^2/NDF: 18.7/13

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:15.4/21

Out: -0.000+/-0.000 χ^2/NDF:29.4/26

All: -0.000+/-0.000 χ^2/NDF: 44.9/48



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1661783.0/7

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1052212.8/5

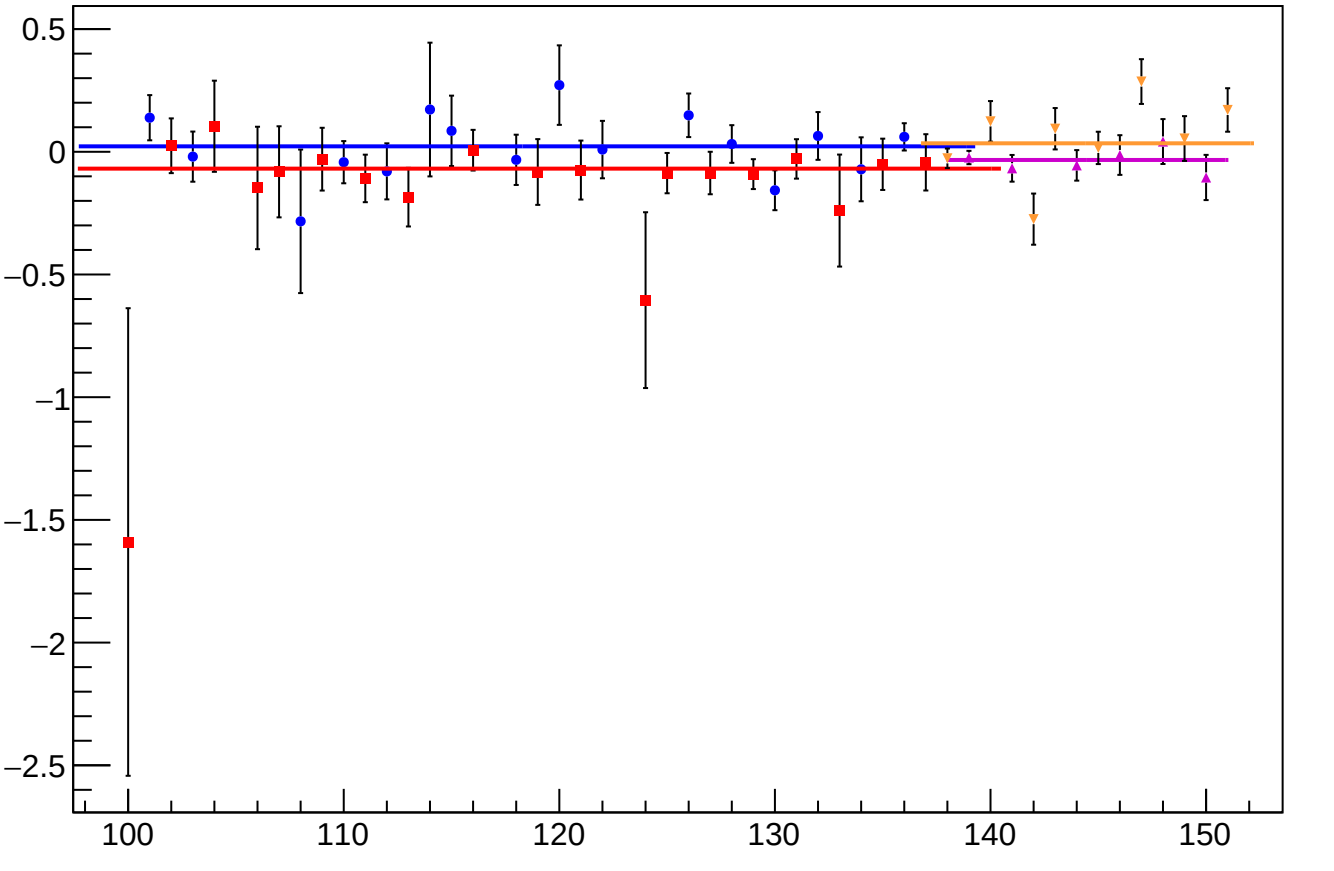
Left: 0.002+/-0.000 χ^2/NDF: 2788966.6/13

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:6337505.0/21

Out: 0.002+/-0.000 χ^2/NDF:7963133.5/26

All: 0.002+/-0.000 χ^2/NDF: 14302941.2/48



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.033+/-0.021 χ^2/NDF:2.0/5

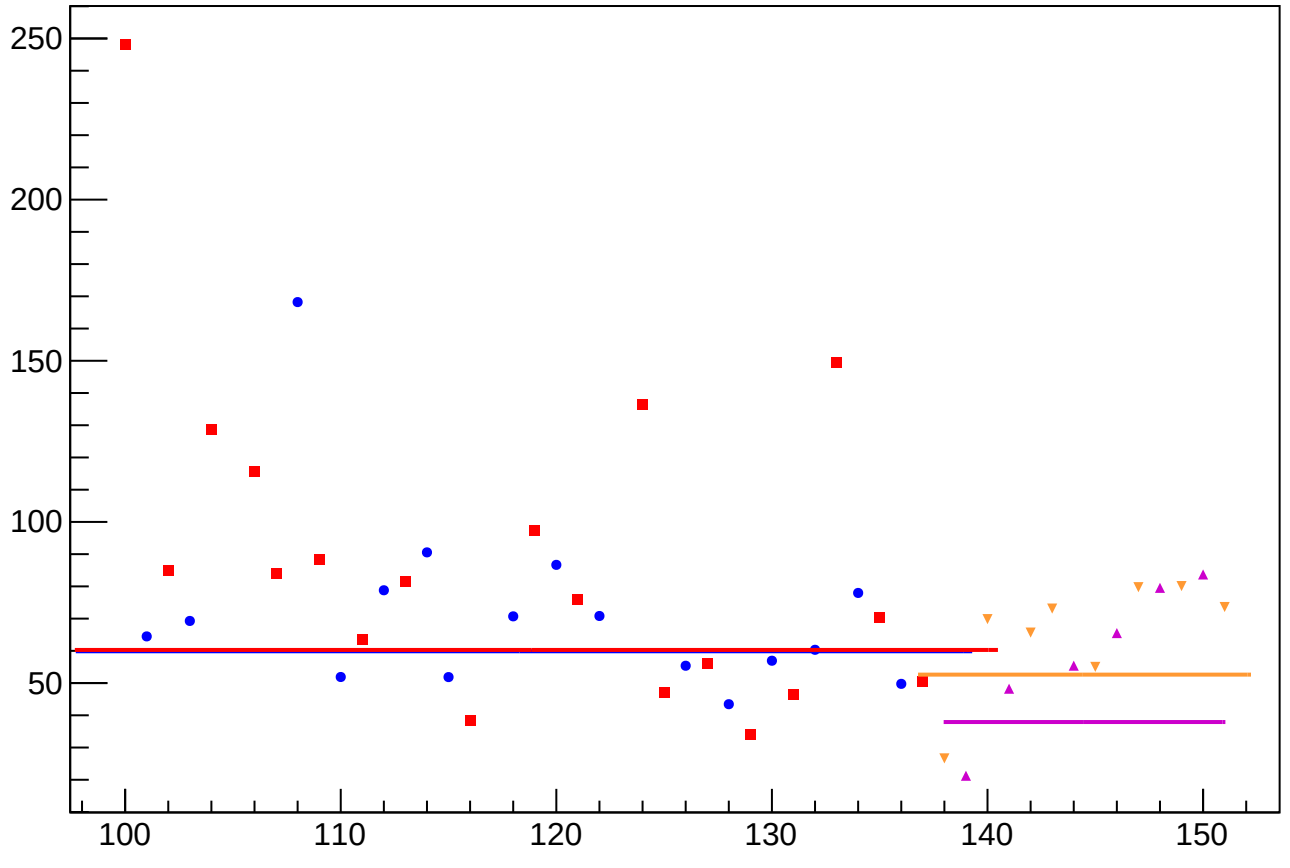
Left: -0.006+/-0.016 χ^2/NDF: 29.3/13

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.010+/-0.016 χ^2/NDF:20.5/21

Out: -0.016+/-0.018 χ^2/NDF:41.0/26

All: -0.013+/-0.012 χ^2/NDF: 61.5/48



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.622+/-0.018 χ^2/NDF:1560554.7/7

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 37.912+/-0.015 χ^2/NDF:2125552.0/5

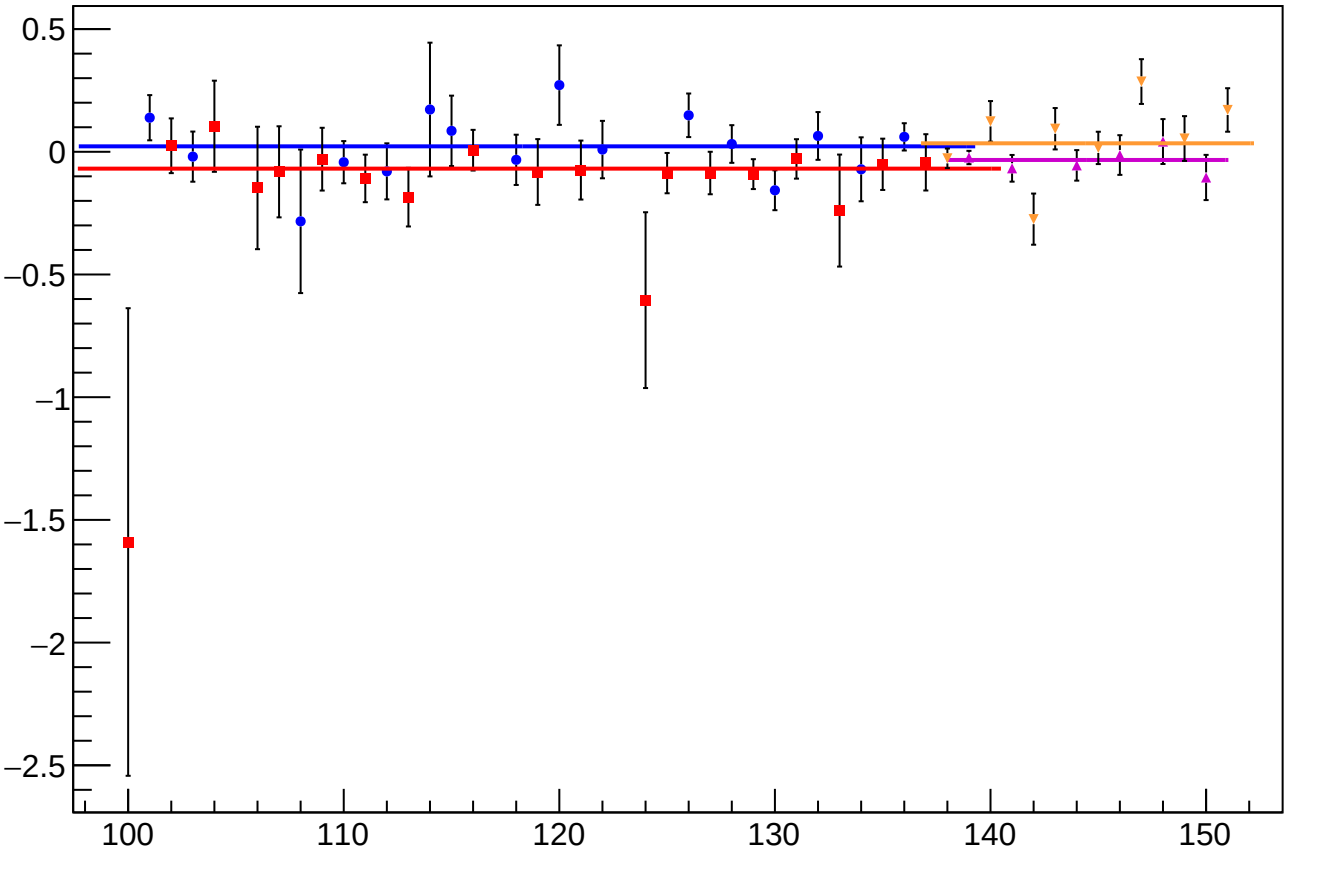
Left: 43.896+/-0.011 χ^2/NDF: 4098711.3/13

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 46.959+/-0.011 χ^2/NDF:3755632.8/21

Out: 56.400+/-0.013 χ^2/NDF:3630799.8/26

All: 51.143+/-0.008 χ^2/NDF: 7701289.7/48



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.035+/-0.025 χ^2/NDF:22.9/7

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.033+/-0.021 χ^2/NDF:2.0/5

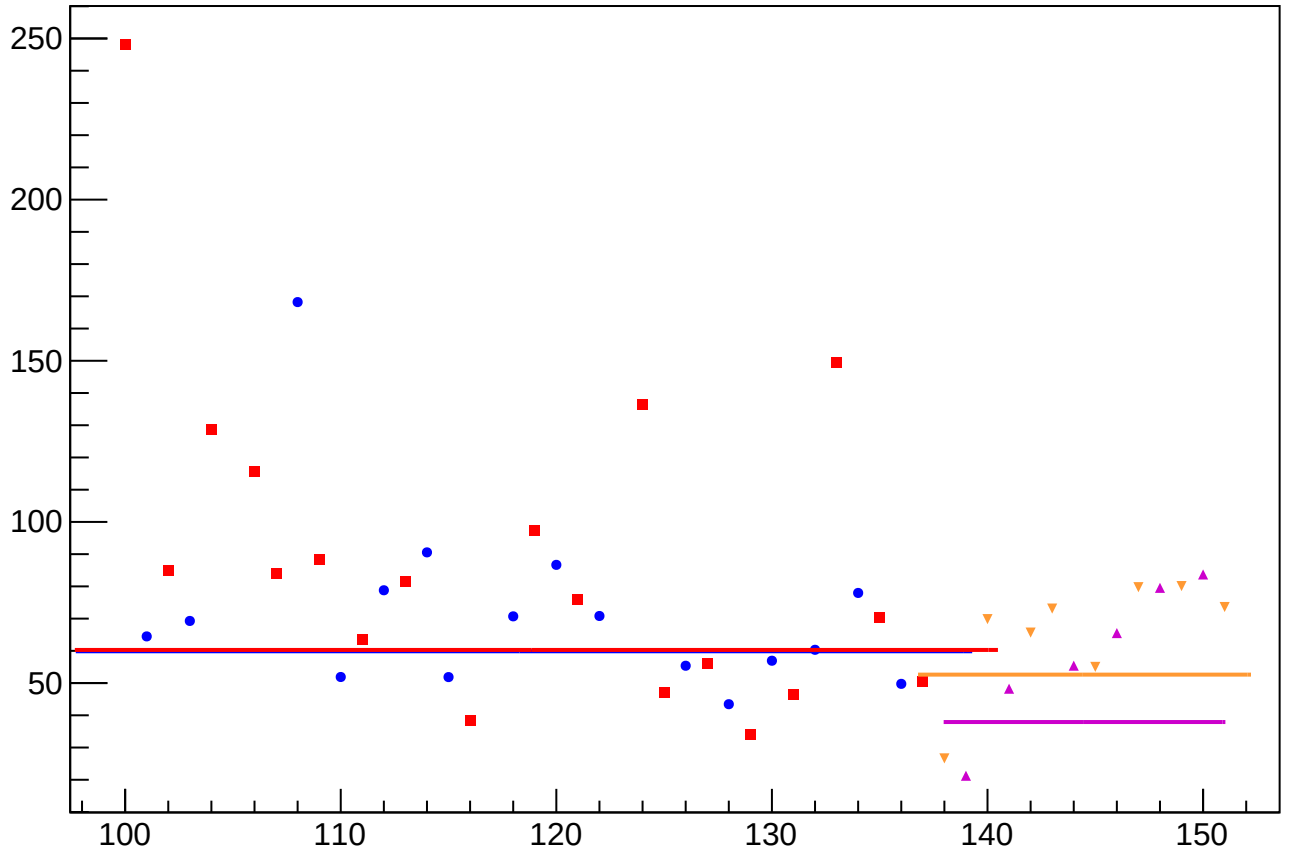
Left: -0.006+/-0.016 χ^2/NDF: 29.3/13

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.010+/-0.016 χ^2/NDF:20.5/21

Out: -0.016+/-0.018 χ^2/NDF:41.0/26

All: -0.013+/-0.012 χ^2/NDF: 61.5/48



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.622+/-0.018 χ^2/NDF:1560554.7/7

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 37.912+/-0.015 χ^2/NDF:2125552.0/5

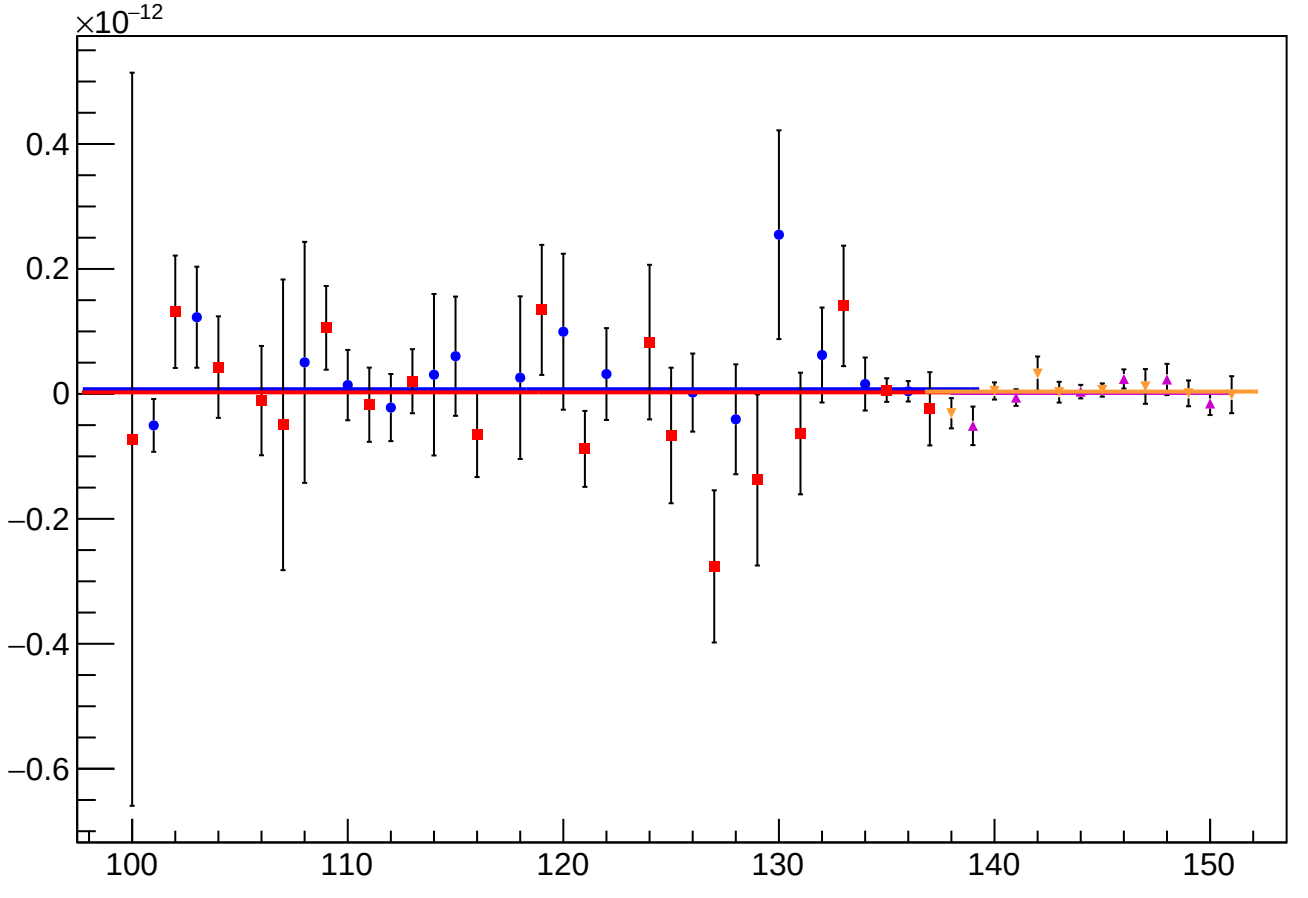
Left: 43.896+/-0.011 χ^2/NDF: 4098711.3/13

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 46.959+/-0.011 χ^2/NDF:3755632.8/21

Out: 56.400+/-0.013 χ^2/NDF:3630799.8/26

All: 51.143+/-0.008 χ^2/NDF: 7701289.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/5

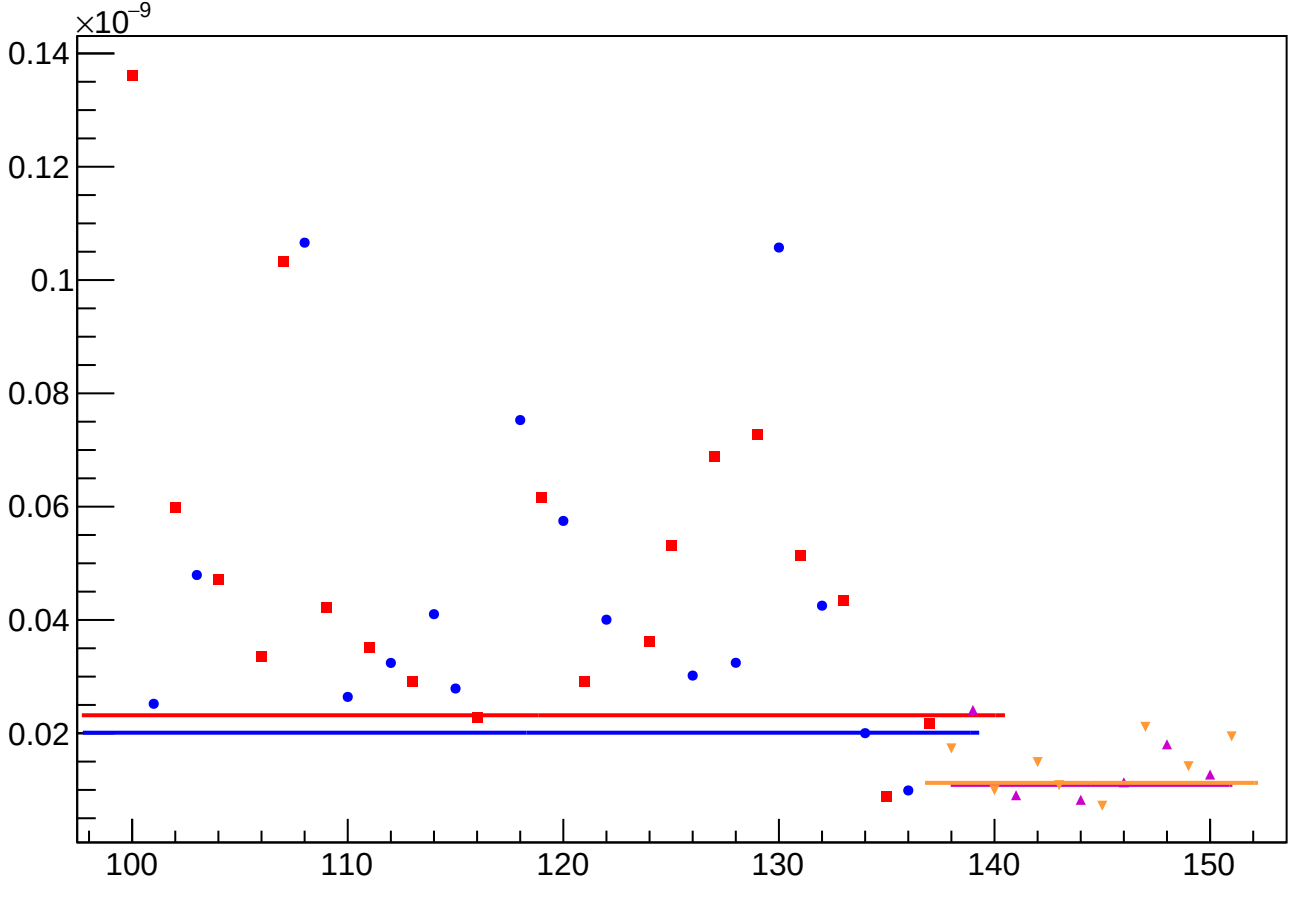
Left: 0.000+/-0.000 χ^2/NDF: 10.4/13

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:15.5/21

Out: 0.000+/-0.000 χ^2/NDF:23.0/26

All: 0.000+/-0.000 χ^2/NDF: 38.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:917584.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:708480.8/5

Left: 0.000+/-0.000 χ^2/NDF: 1629263.7/13

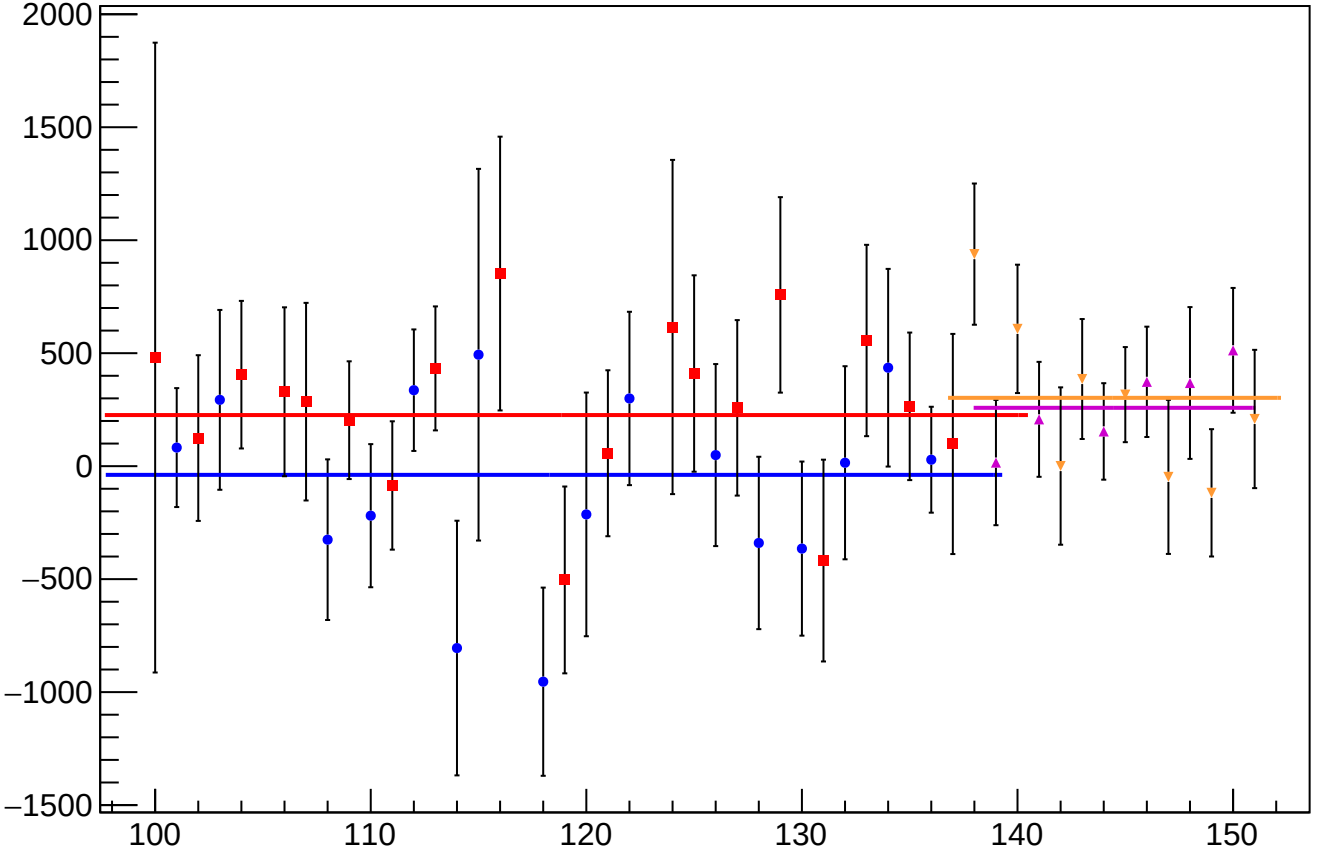
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4726481.5/21

Out: 0.000+/-0.000 χ^2/NDF:5730831.5/26

All: 0.000+/-0.000 χ^2/NDF: 10462985.6/48

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 302.377+/-100.240 χ^2/NDF:9.5/7

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 258.229+/-105.903 χ^2/NDF:2.2/5

Left: 281.515+/-72.800 χ^2/NDF: 11.8/13

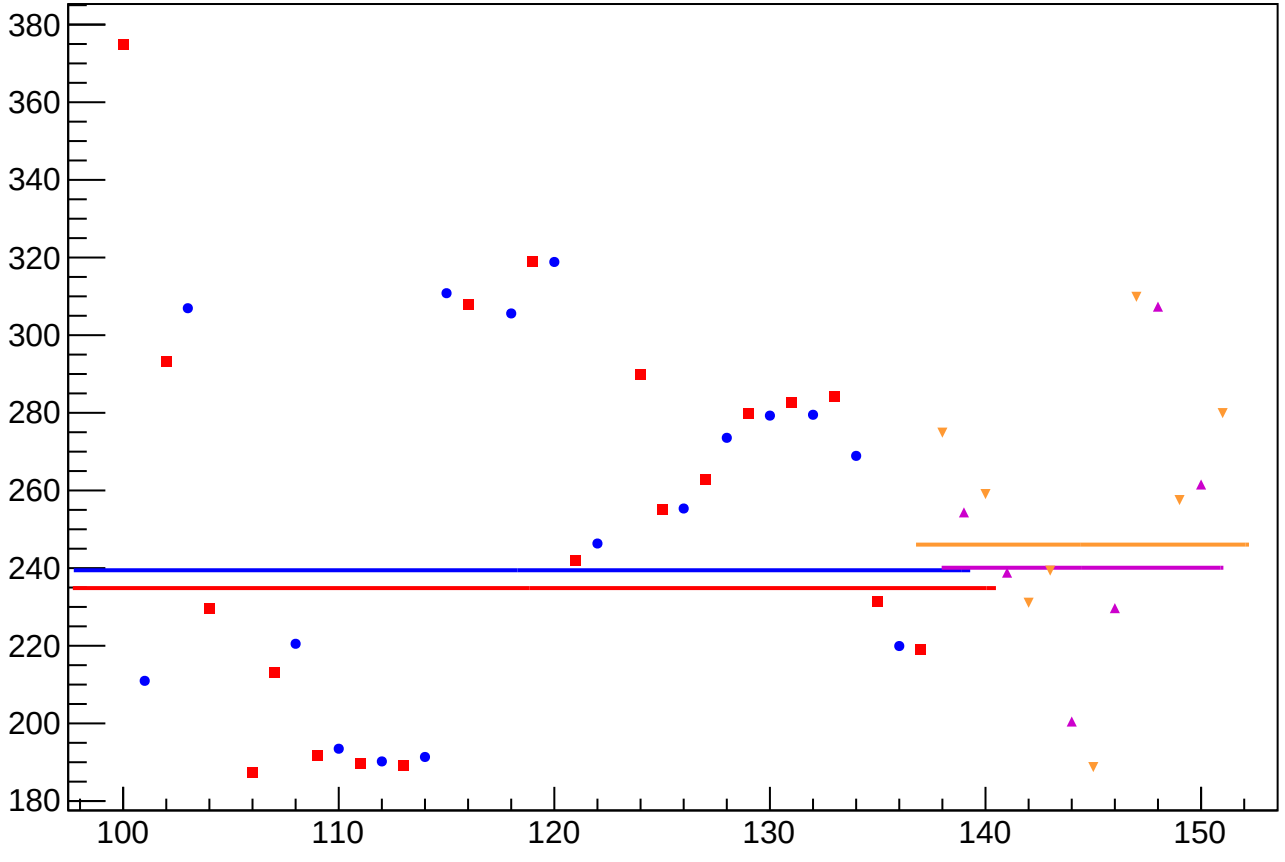
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 86.927+/-68.853 χ^2/NDF:21.2/21

Out: 259.298+/-66.093 χ^2/NDF:21.3/26

All: 176.636+/-47.680 χ^2/NDF: 45.8/48

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 246.054+/-0.071 χ^2/NDF:272391.7/7

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 240.095+/-0.075 χ^2/NDF:170038.2/5

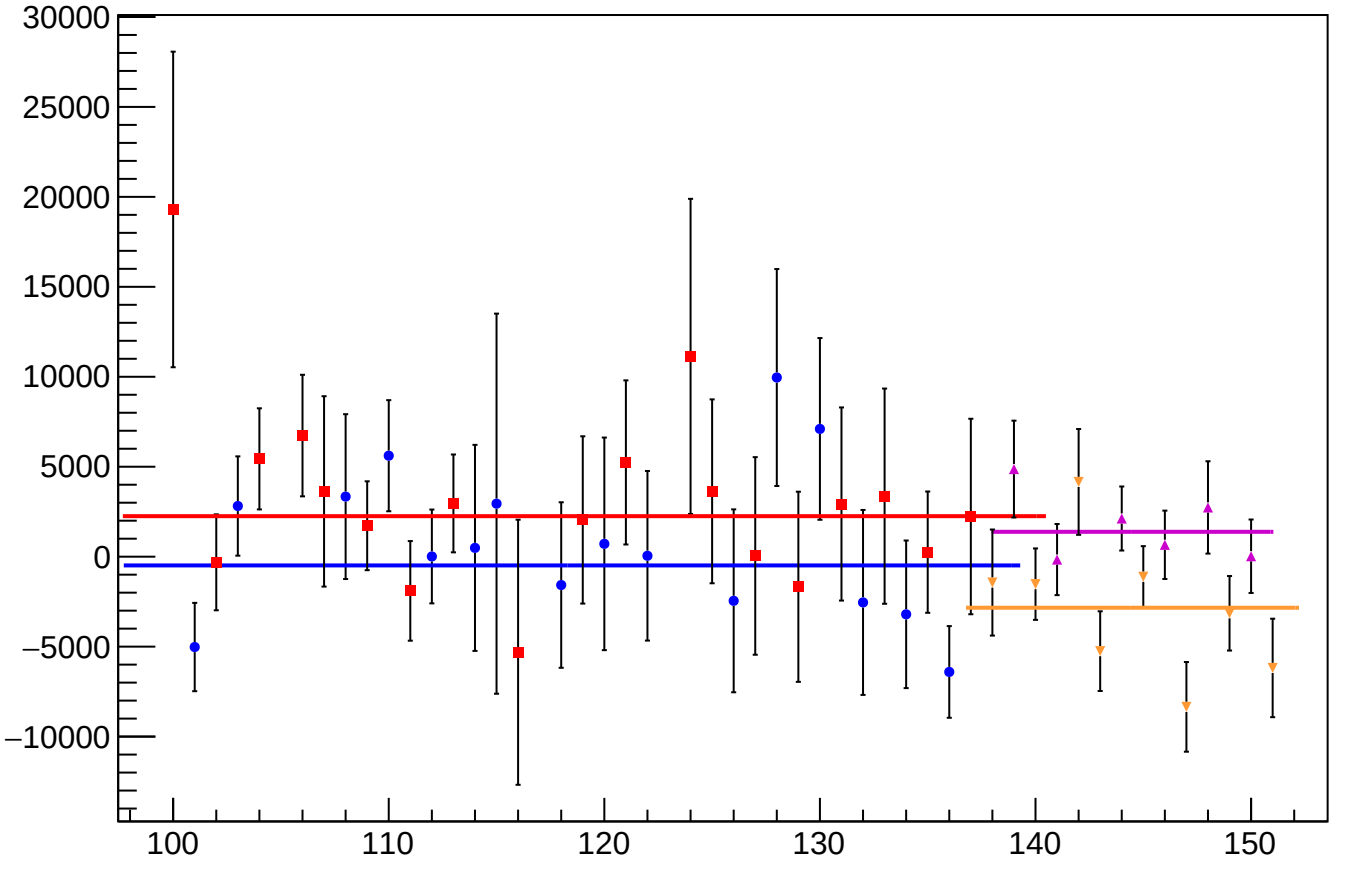
Left: 243.238+/-0.051 χ^2/NDF: 445769.8/13

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 239.722+/-0.049 χ^2/NDF:571037.0/21

Out: 239.723+/-0.047 χ^2/NDF:768220.0/26

All: 239.723+/-0.034 χ^2/NDF: 1339256.9/48



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2837.256+/-800.115 χ^2/NDF:14.9/7

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1382.529+/-851.604 χ^2/NDF:3.3/5

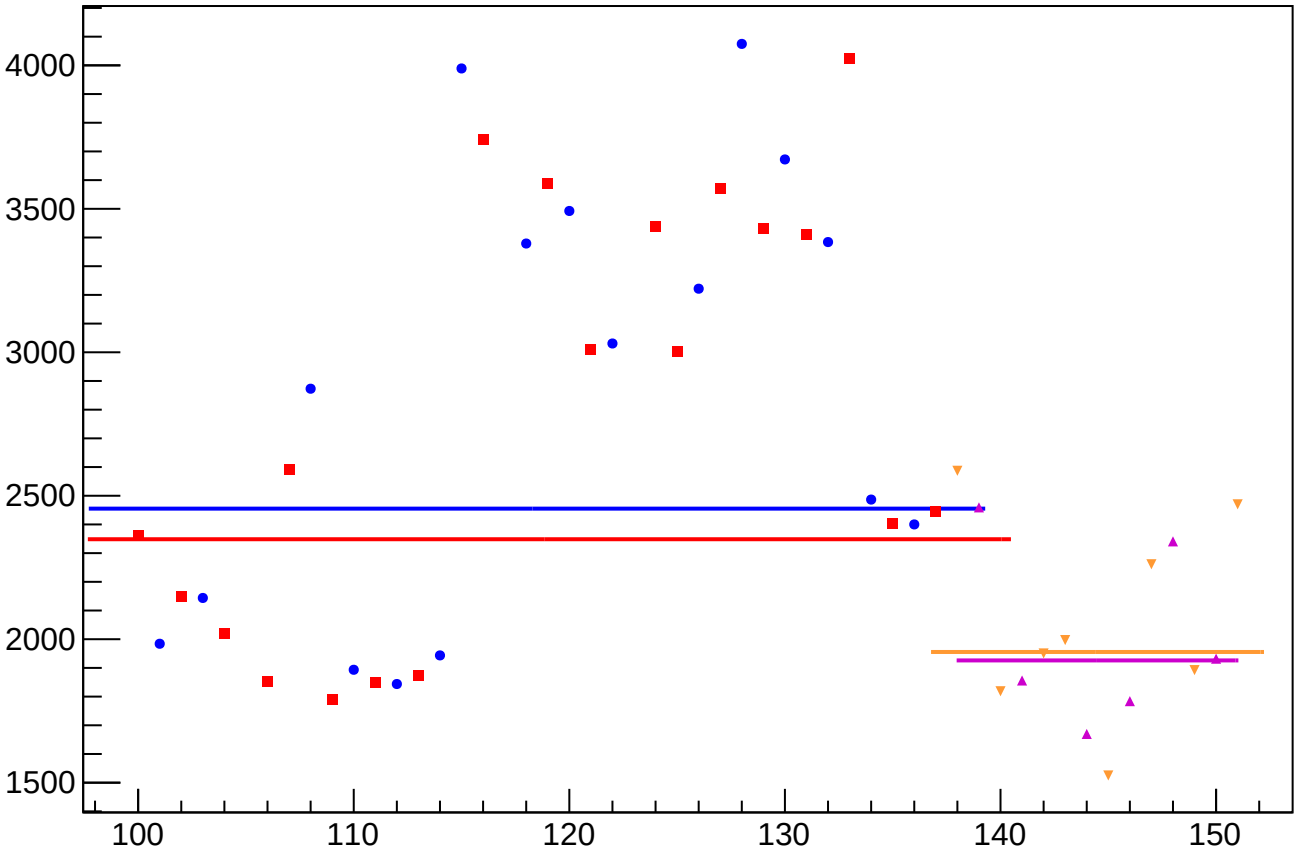
Left: -858.778+/-583.120 χ^2/NDF: 31.3/13

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 547.569+/-633.361 χ^2/NDF:26.6/21

Out: -574.328+/-596.257 χ^2/NDF:46.8/26

All: -47.202+/-434.142 χ^2/NDF: 75.1/48



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1955.533+/-0.566 χ^2/NDF:332848.5/7

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1926.091+/-0.602 χ^2/NDF:186021.5/5

Left: 1941.729+/-0.412 χ^2/NDF: 520139.7/13

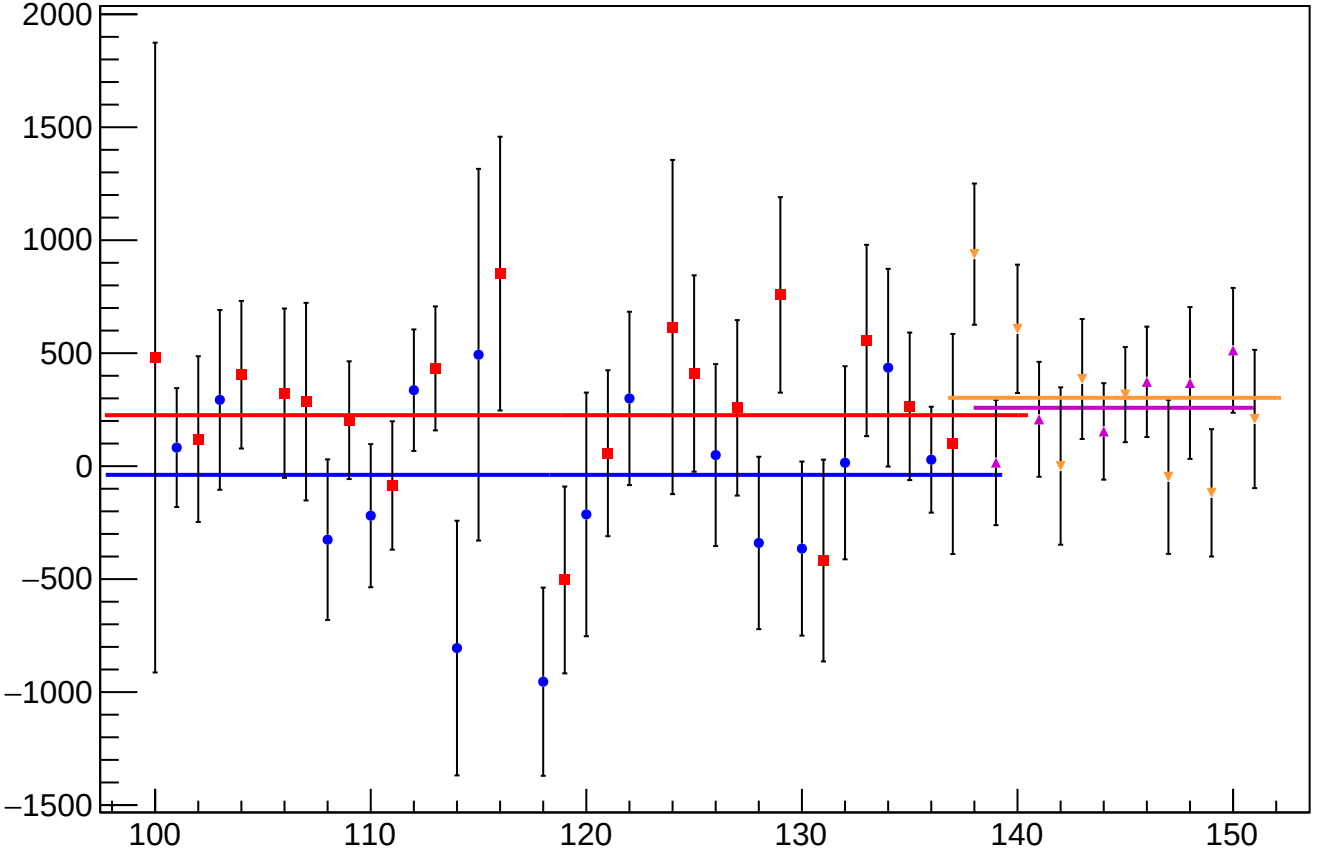
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2162.491+/-0.448 χ^2/NDF:1425290.3/21

Out: 2130.245+/-0.422 χ^2/NDF:1599728.6/26

All: 2145.395+/-0.307 χ^2/NDF: 3027767.3/48

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 302.400+/-100.240 χ^2/NDF:9.5/7

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 258.240+/-105.903 χ^2/NDF:2.2/5

Left: 281.532+/-72.800 χ^2/NDF: 11.8/13

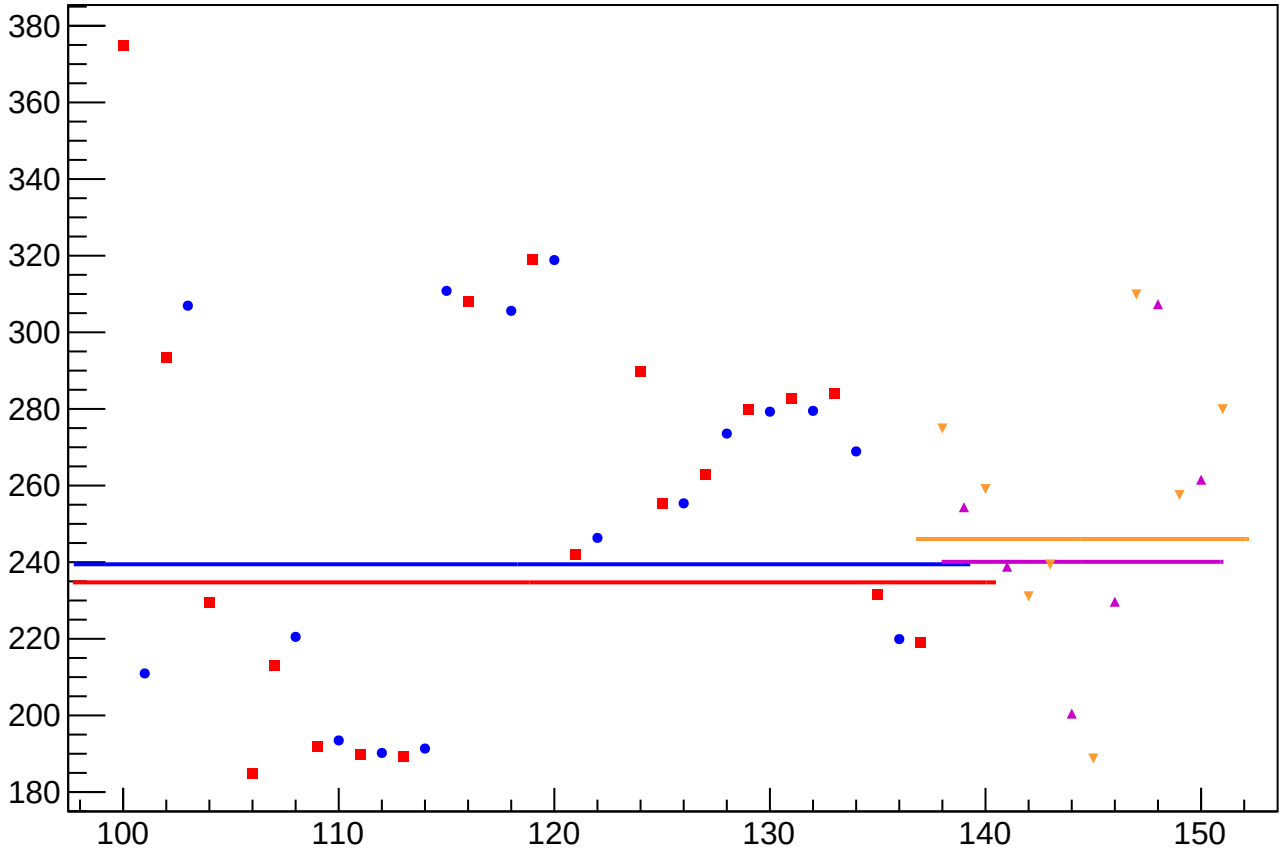
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 86.919+/-68.853 χ^2/NDF:21.2/21

Out: 258.945+/-66.099 χ^2/NDF:21.3/26

All: 176.441+/-47.683 χ^2/NDF: 45.8/48

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 246.054+/-0.071 χ^2/NDF:272391.7/7

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 240.095+/-0.075 χ^2/NDF:170038.2/5

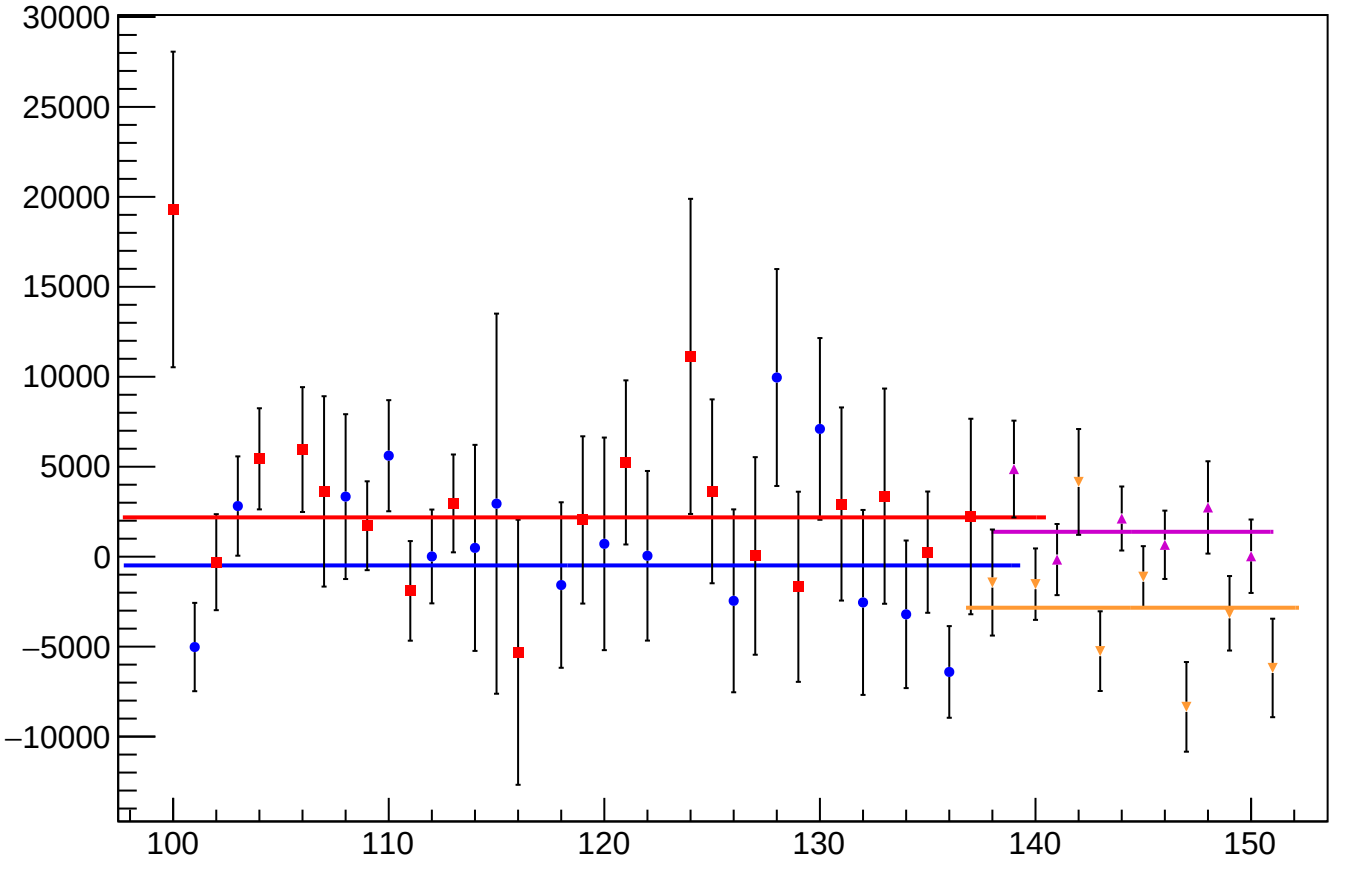
Left: 243.238+/-0.051 χ^2/NDF: 445769.8/13

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 239.722+/-0.049 χ^2/NDF:571039.4/21

Out: 239.656+/-0.047 χ^2/NDF:772049.5/26

All: 239.688+/-0.034 χ^2/NDF: 1343089.8/48



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2837.234+/-800.115 χ^2/NDF:14.9/7

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1382.554+/-851.604 χ^2/NDF:3.3/5

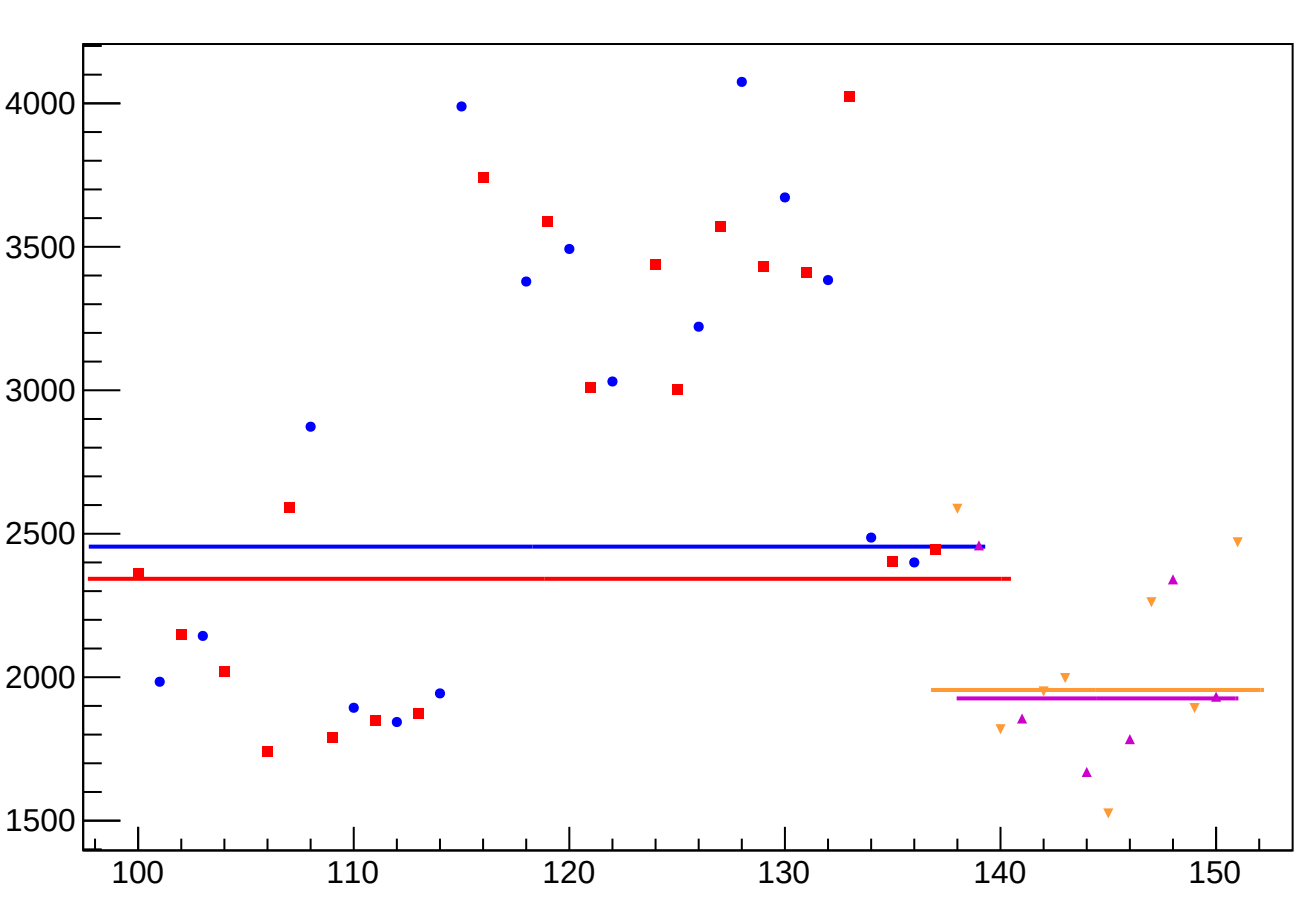
Left: -858.756+/-583.120 χ^2/NDF: 31.3/13

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 547.514+/-633.363 χ^2/NDF:26.6/21

Out: -608.823+/-596.757 χ^2/NDF:45.7/26

All: -65.034+/-434.336 χ^2/NDF: 74.0/48



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1955.533+/-0.566 χ^2/NDF:332851.1/7

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1926.092+/-0.602 χ^2/NDF:186019.7/5

Left: 1941.729+/-0.412 χ^2/NDF: 520140.4/13

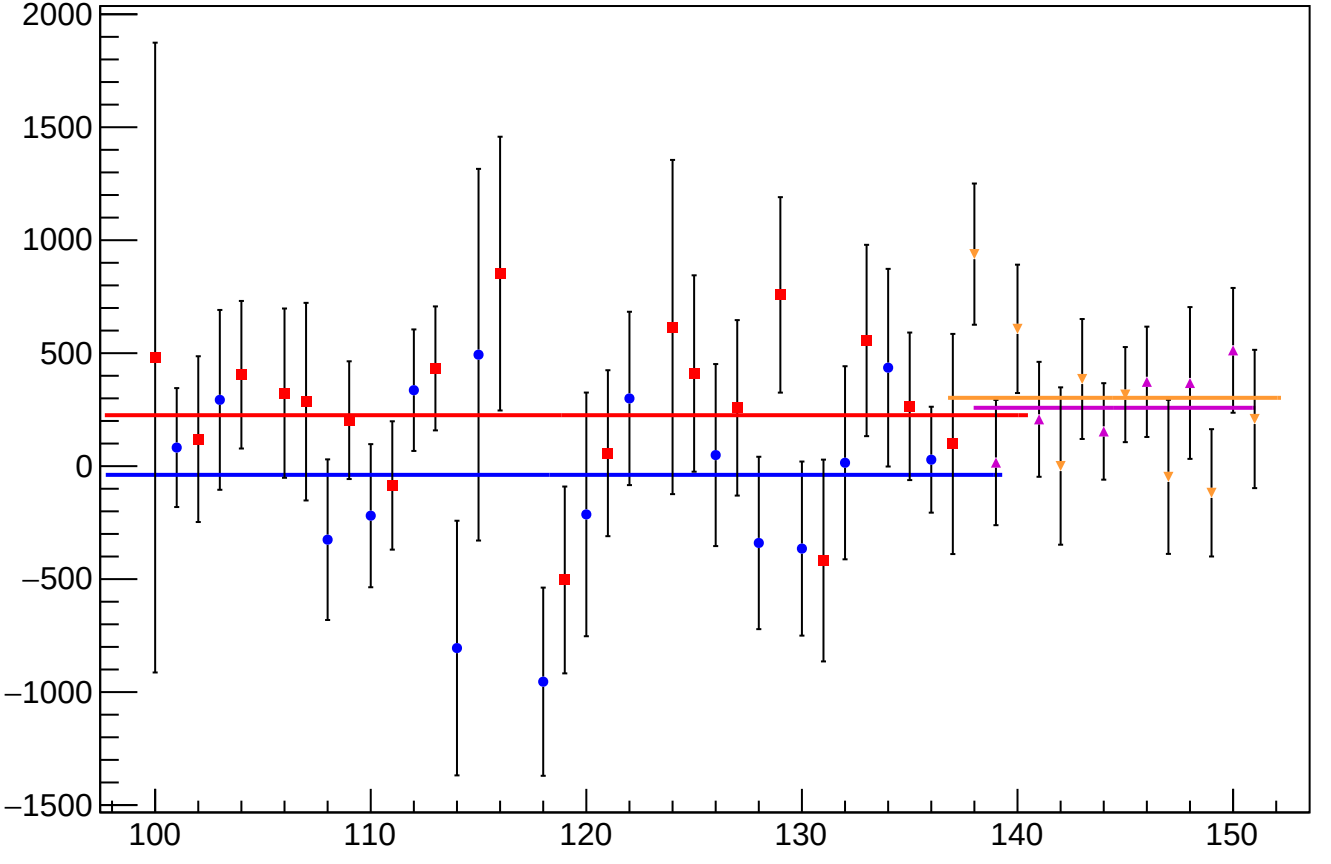
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2162.500+/-0.448 χ^2/NDF:1425284.3/21

Out: 2127.441+/-0.422 χ^2/NDF:1611308.2/26

All: 2143.928+/-0.307 χ^2/NDF: 3039838.7/48

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 302.400+/-100.240 χ^2/NDF:9.5/7

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 258.240+/-105.903 χ^2/NDF:2.2/5

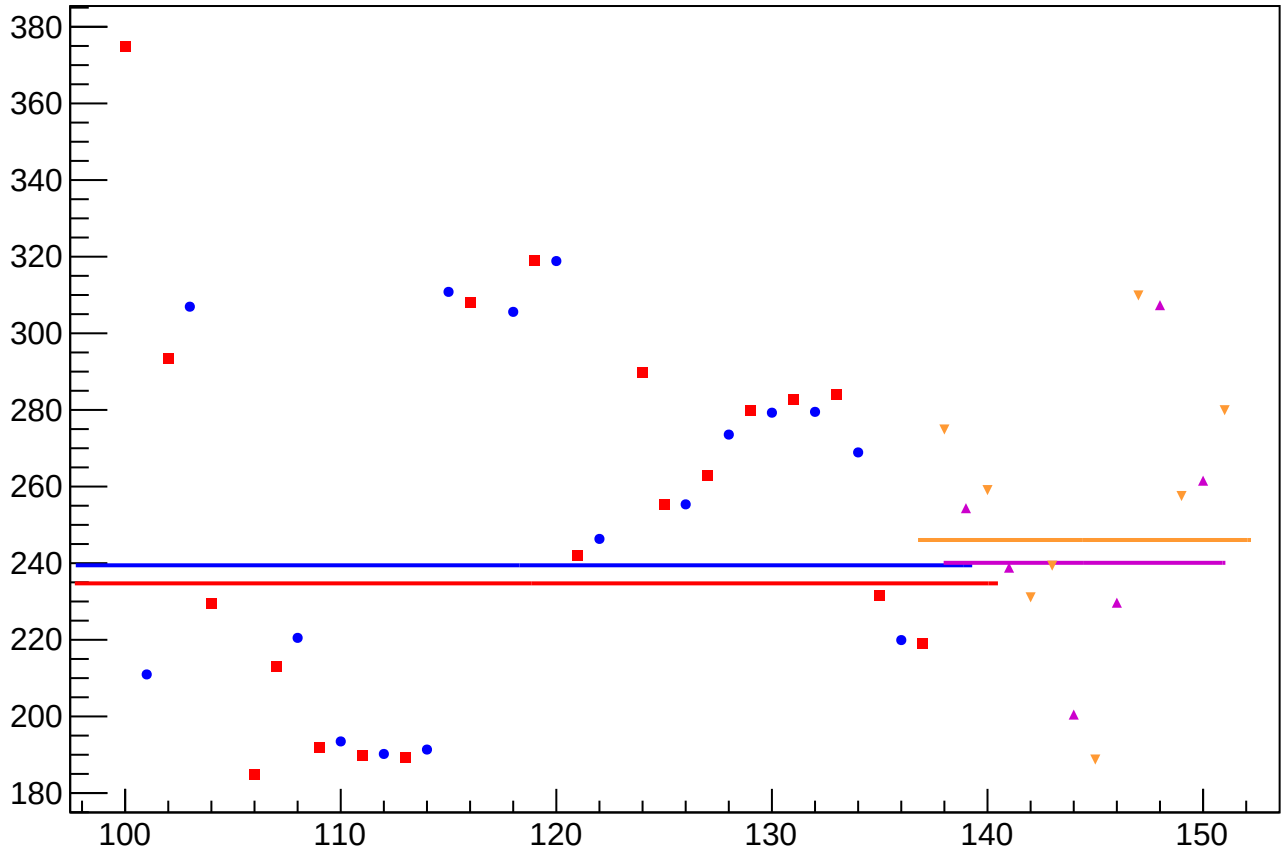
Left: 281.532+/-72.800 χ^2/NDF: 11.8/13

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 86.919+/-68.853 χ^2/NDF:21.2/21

Out: 258.945+/-66.099 χ^2/NDF:21.3/26

All: 176.441+/-47.683 χ^2/NDF: 45.8/48



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 246.054+/-0.071 χ^2/NDF:272391.7/7

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 240.095+/-0.075 χ^2/NDF:170038.2/5

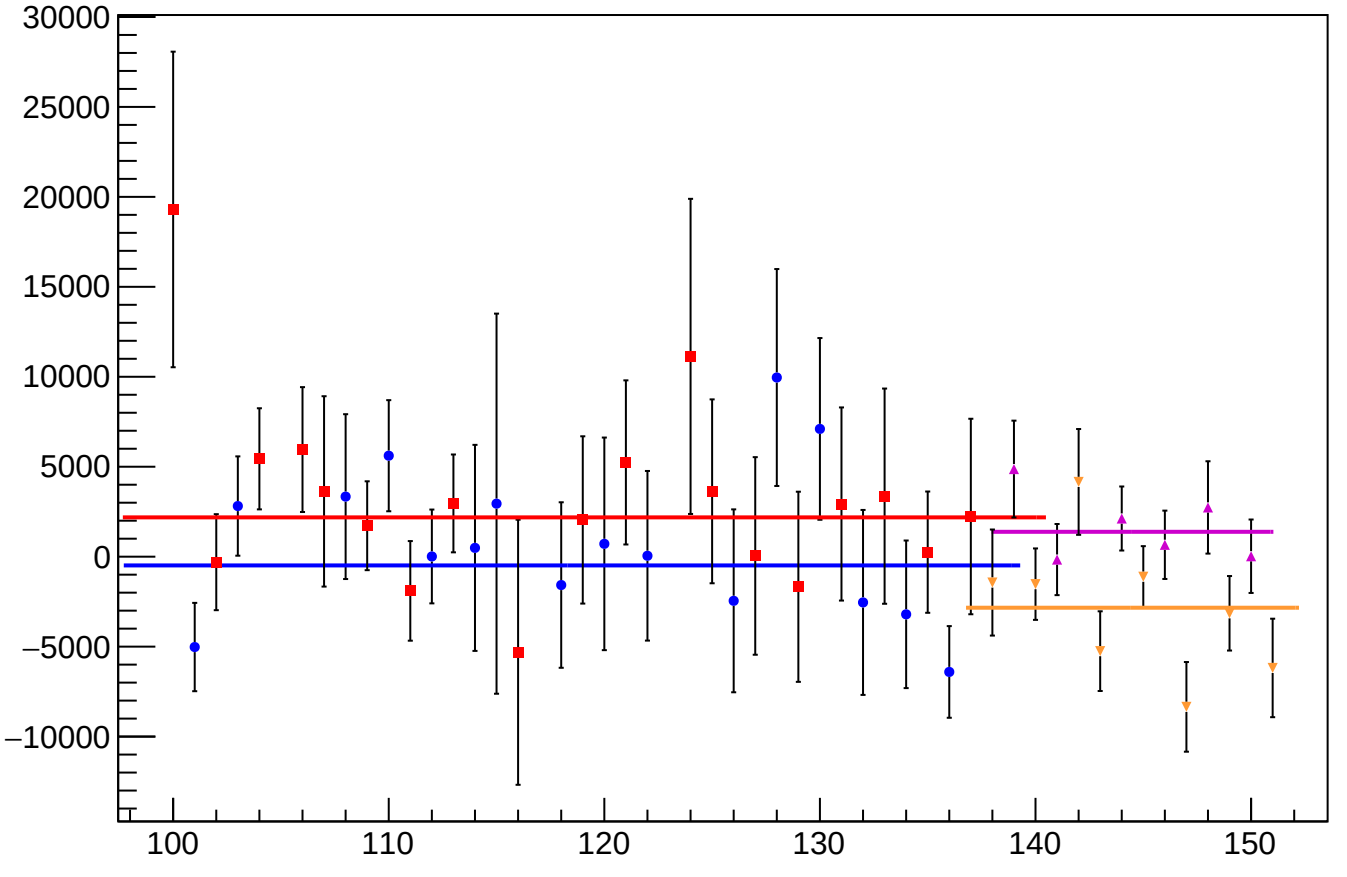
Left: 243.238+/-0.051 χ^2/NDF: 445769.8/13

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 239.722+/-0.049 χ^2/NDF:571039.4/21

Out: 239.656+/-0.047 χ^2/NDF:772049.5/26

All: 239.688+/-0.034 χ^2/NDF: 1343089.8/48



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2837.234+/-800.115 χ^2/NDF:14.9/7

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1382.554+/-851.604 χ^2/NDF:3.3/5

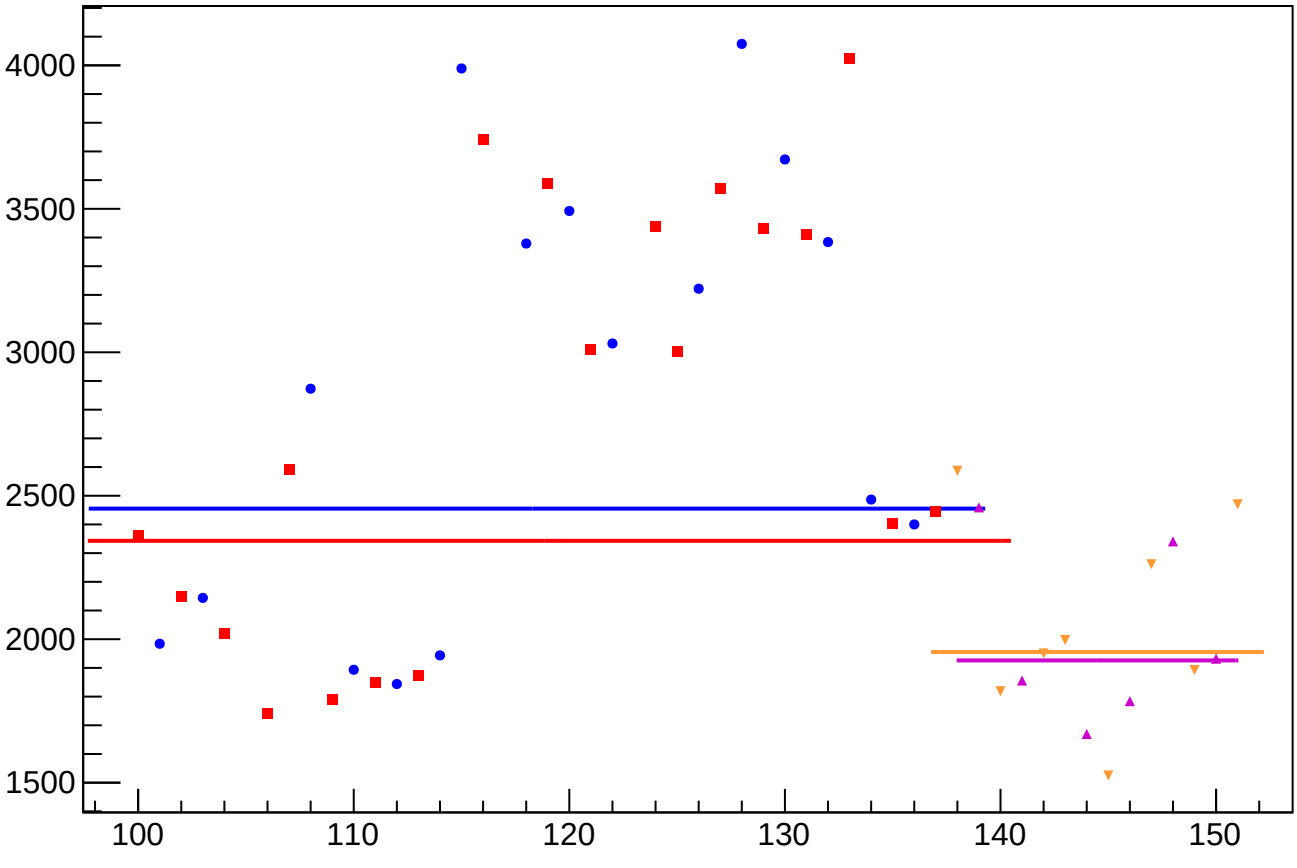
Left: -858.756+/-583.120 χ^2/NDF: 31.3/13

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 547.514+/-633.363 χ^2/NDF:26.6/21

Out: -608.823+/-596.757 χ^2/NDF:45.7/26

All: -65.034+/-434.336 χ^2/NDF: 74.0/48



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1955.533+/-0.566 χ^2/NDF:332851.1/7

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1926.092+/-0.602 χ^2/NDF:186019.7/5

Left: 1941.729+/-0.412 χ^2/NDF: 520140.4/13

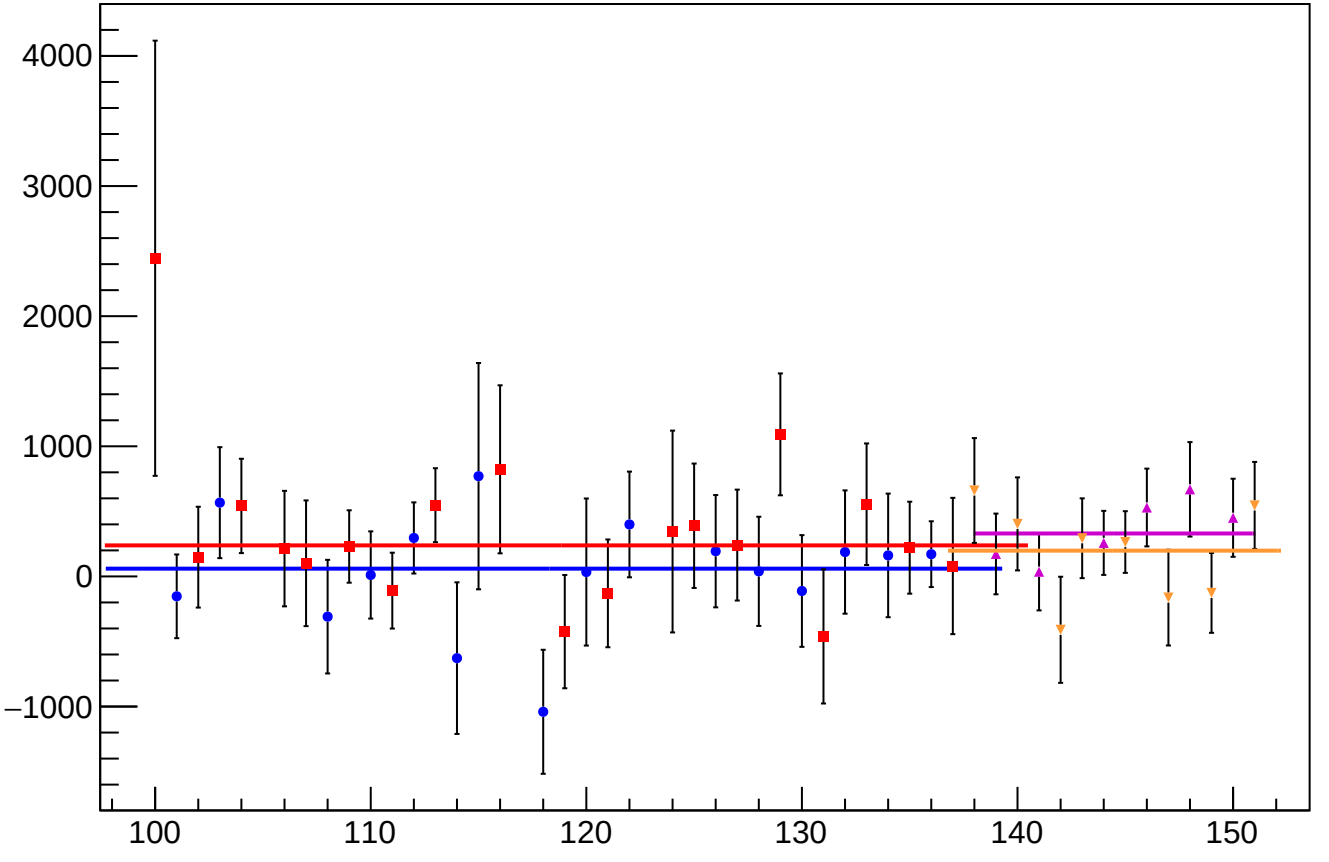
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2162.500+/-0.448 χ^2/NDF:1425284.3/21

Out: 2127.441+/-0.422 χ^2/NDF:1611308.2/26

All: 2143.928+/-0.307 χ^2/NDF: 3039838.7/48

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 197.990+/-115.170 χ^2/NDF:7.2/7

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 330.090+/-121.152 χ^2/NDF:2.8/5

Left: 260.698+/-83.472 χ^2/NDF: 10.6/13

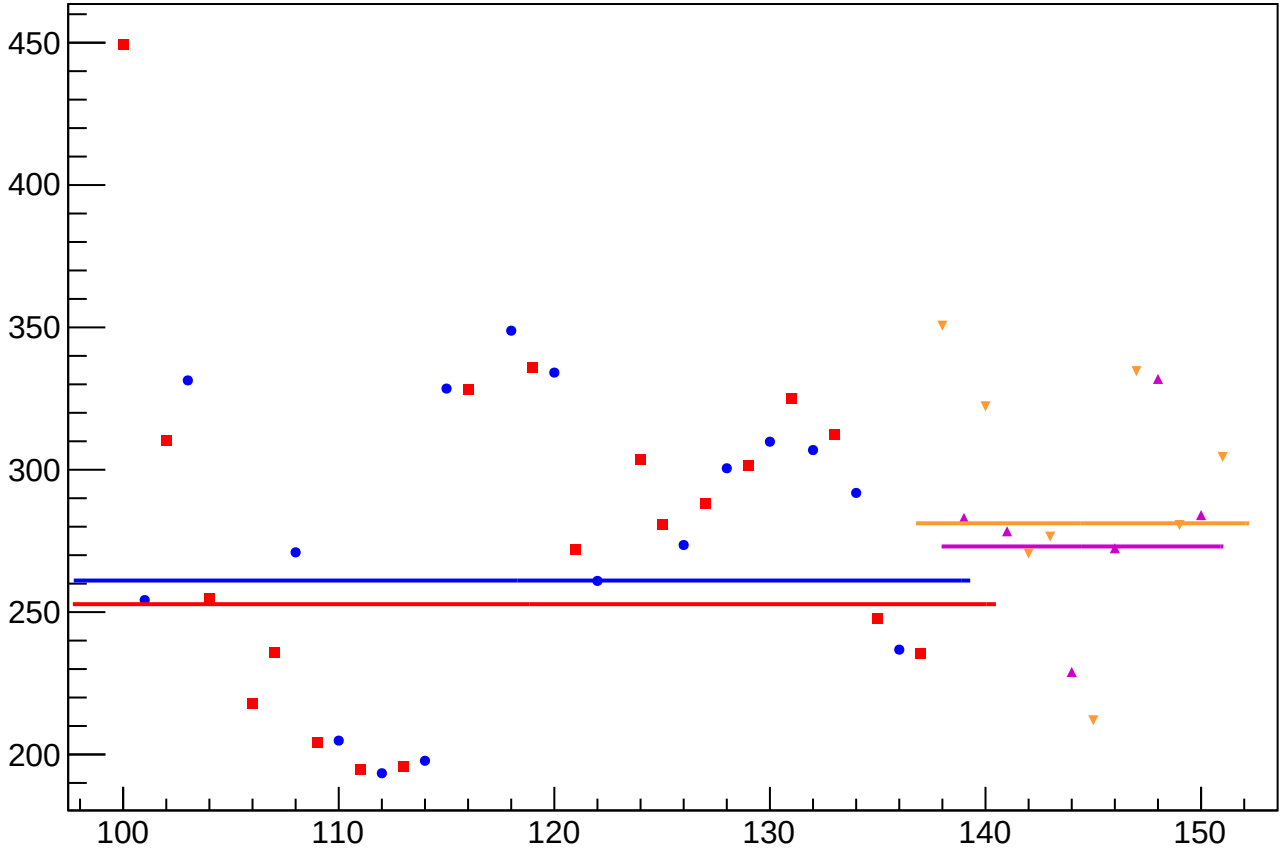
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 168.278+/-76.767 χ^2/NDF:17.8/21

Out: 222.094+/-73.314 χ^2/NDF:22.2/26

All: 196.424+/-53.019 χ^2/NDF: 40.3/48

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 281.190+/-0.081 χ^2/NDF:309999.6/7

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 273.058+/-0.086 χ^2/NDF:122208.7/5

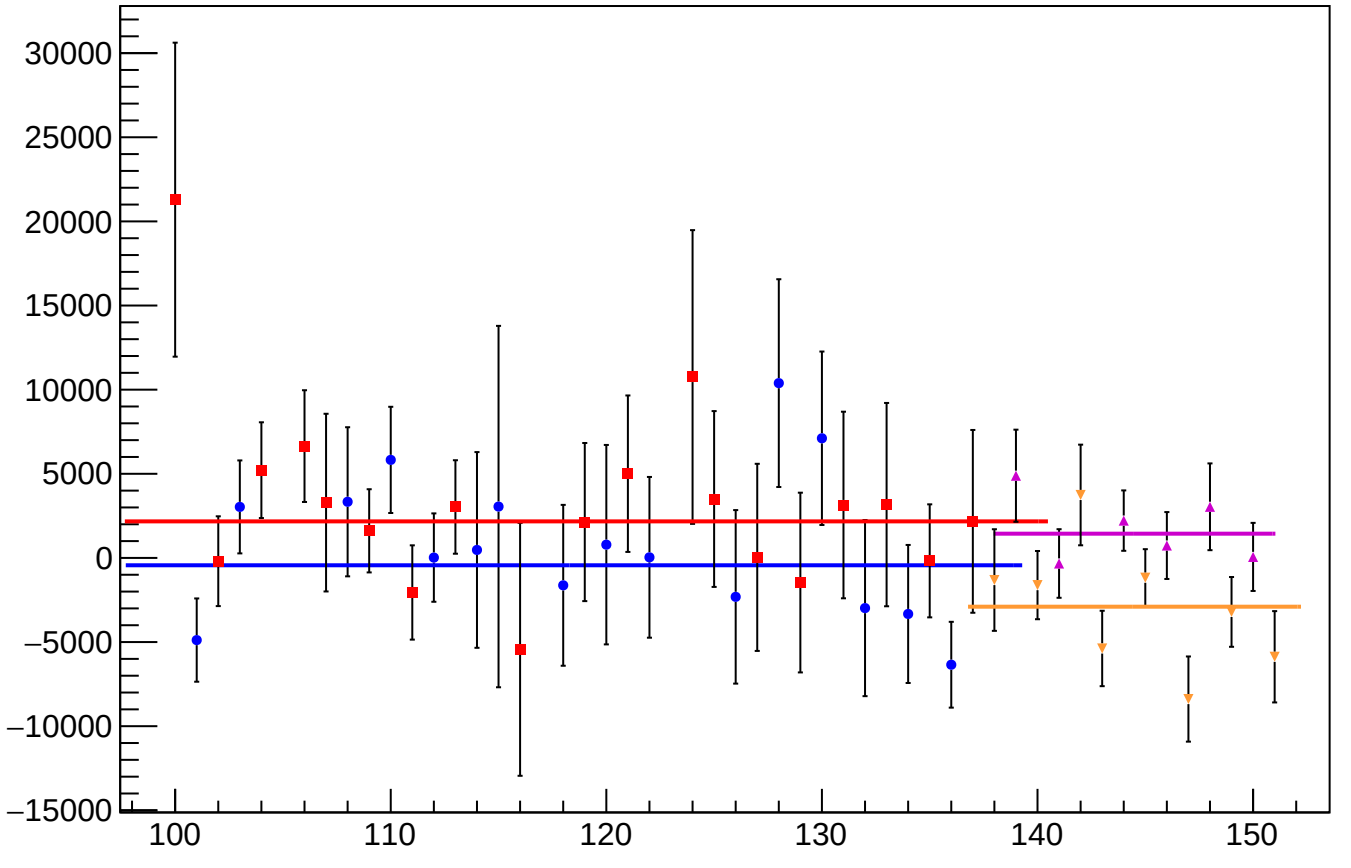
Left: 277.329+/-0.059 χ^2/NDF: 436941.8/13

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 265.894+/-0.054 χ^2/NDF:596553.3/21

Out: 264.296+/-0.052 χ^2/NDF:919638.3/26

All: 265.059+/-0.037 χ^2/NDF: 1516644.8/48



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2898.386+/-806.702 χ^2/NDF:13.8/7

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1440.624+/-866.303 χ^2/NDF:3.5/5

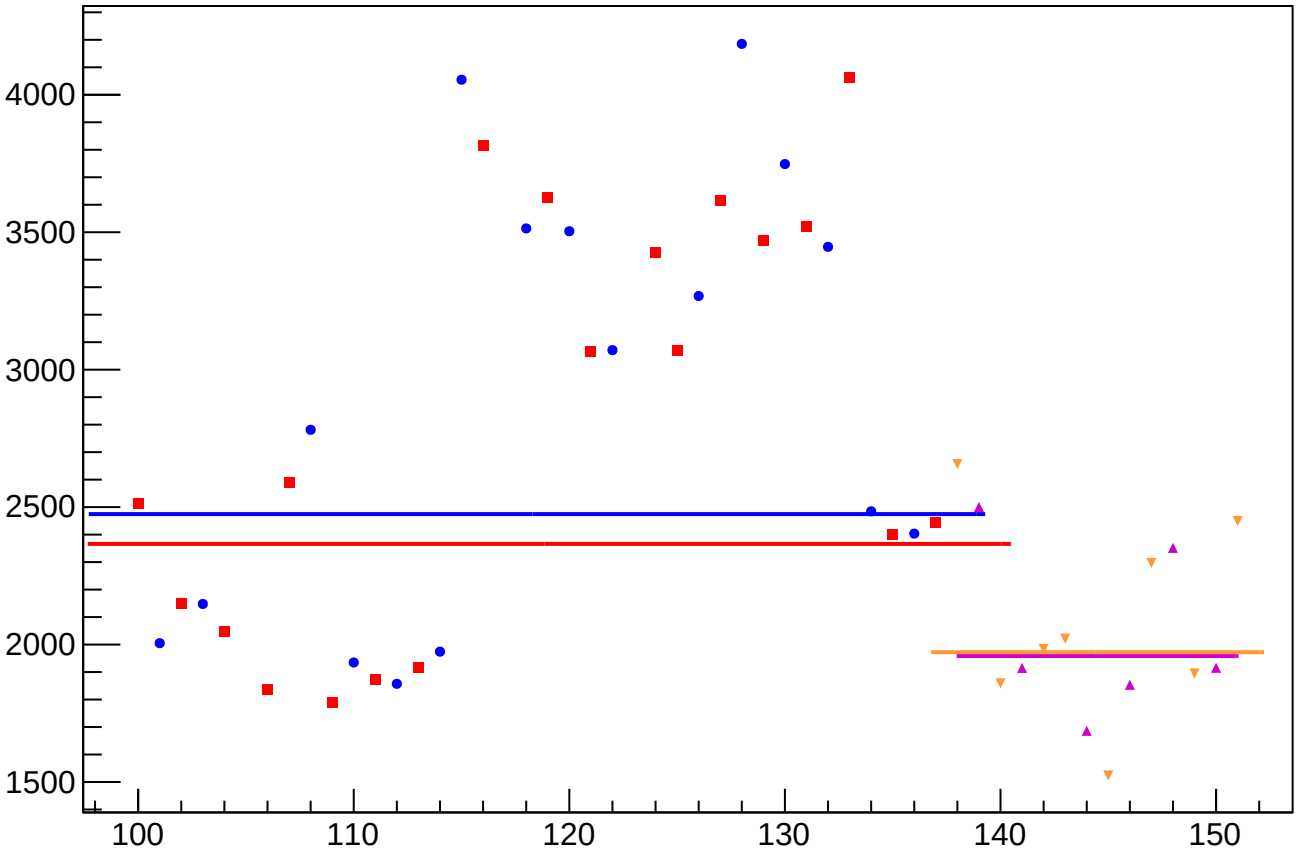
Left: -883.262+/-590.371 χ^2/NDF: 30.7/13

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 593.287+/-641.681 χ^2/NDF:26.8/21

Out: -642.567+/-601.038 χ^2/NDF:45.4/26

All: -65.016+/-438.663 χ^2/NDF: 74.2/48



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 1972.260+/-0.570 χ^2/NDF:347487.3/7

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 1958.232+/-0.613 χ^2/NDF:178418.4/5

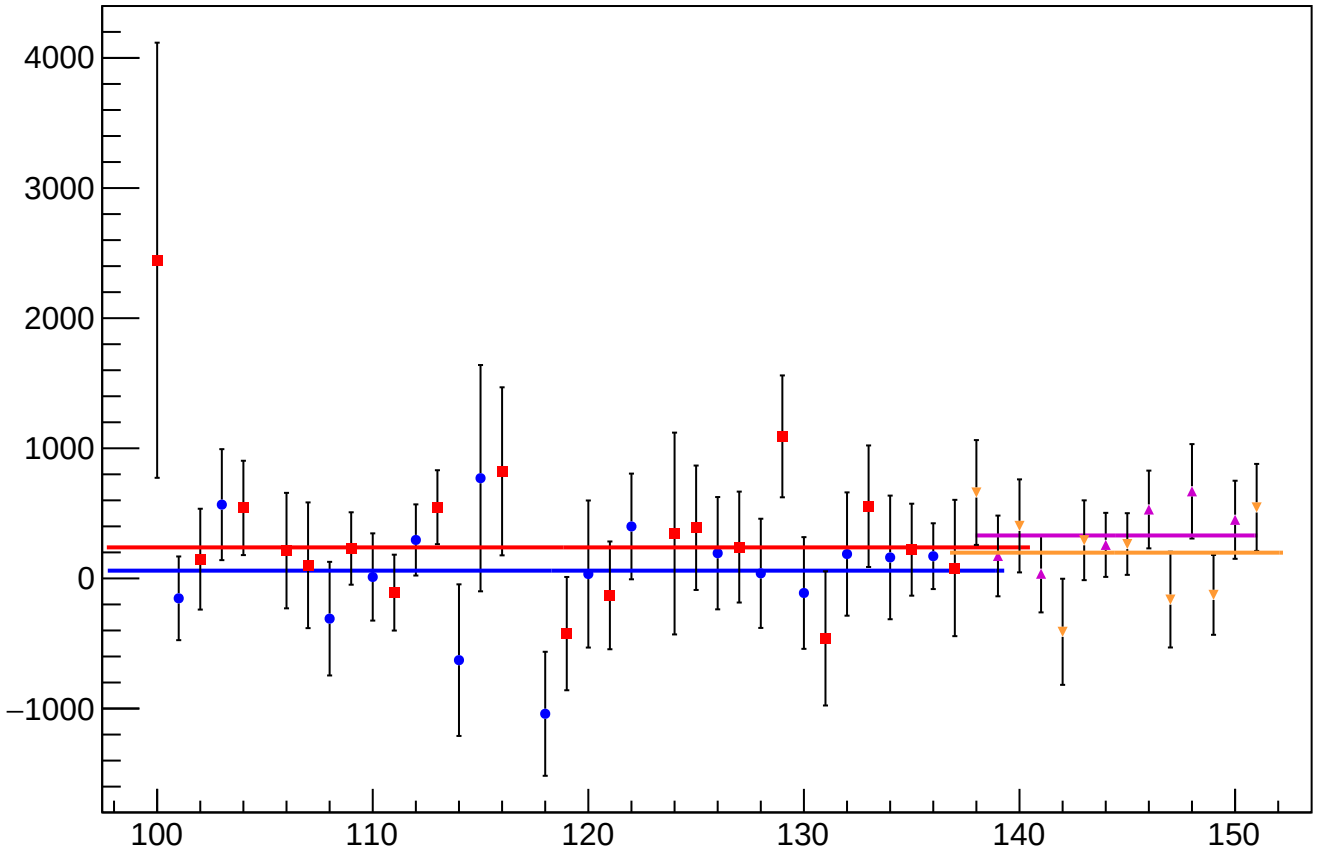
Left: 1965.745+/-0.417 χ^2/NDF: 526186.6/13

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2191.303+/-0.454 χ^2/NDF:1415411.1/21

Out: 2147.531+/-0.425 χ^2/NDF:1636872.1/26

All: 2167.987+/-0.310 χ^2/NDF: 3057240.4/48



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 197.990+/-115.170 χ^2/NDF:7.2/7

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 330.092+/-121.152 χ^2/NDF:2.8/5

Left: 260.699+/-83.472 χ^2/NDF: 10.6/13

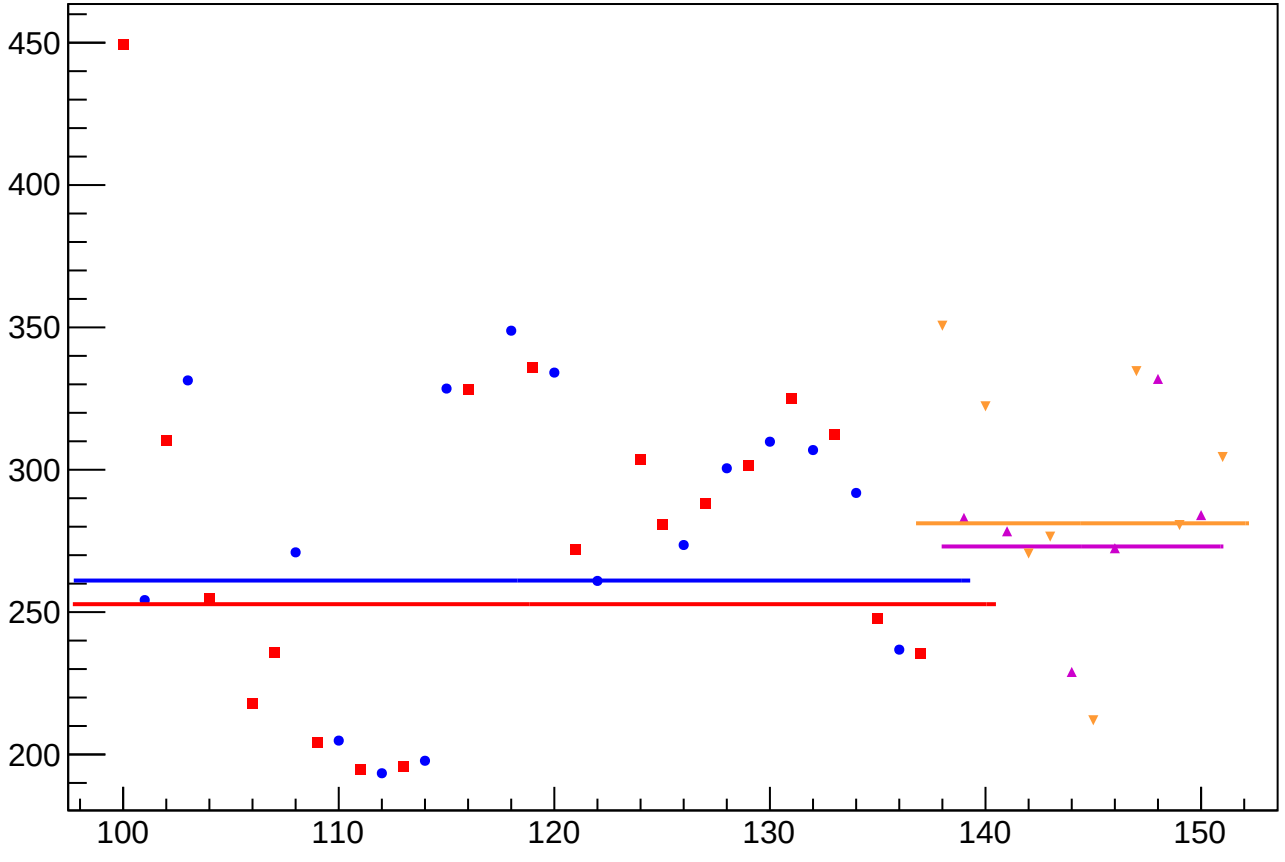
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 168.282+/-76.767 χ^2/NDF:17.8/21

Out: 222.093+/-73.314 χ^2/NDF:22.2/26

All: 196.425+/-53.019 χ^2/NDF: 40.3/48

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 281.190+/-0.081 χ^2/NDF:309994.7/7

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 273.058+/-0.086 χ^2/NDF:122206.6/5

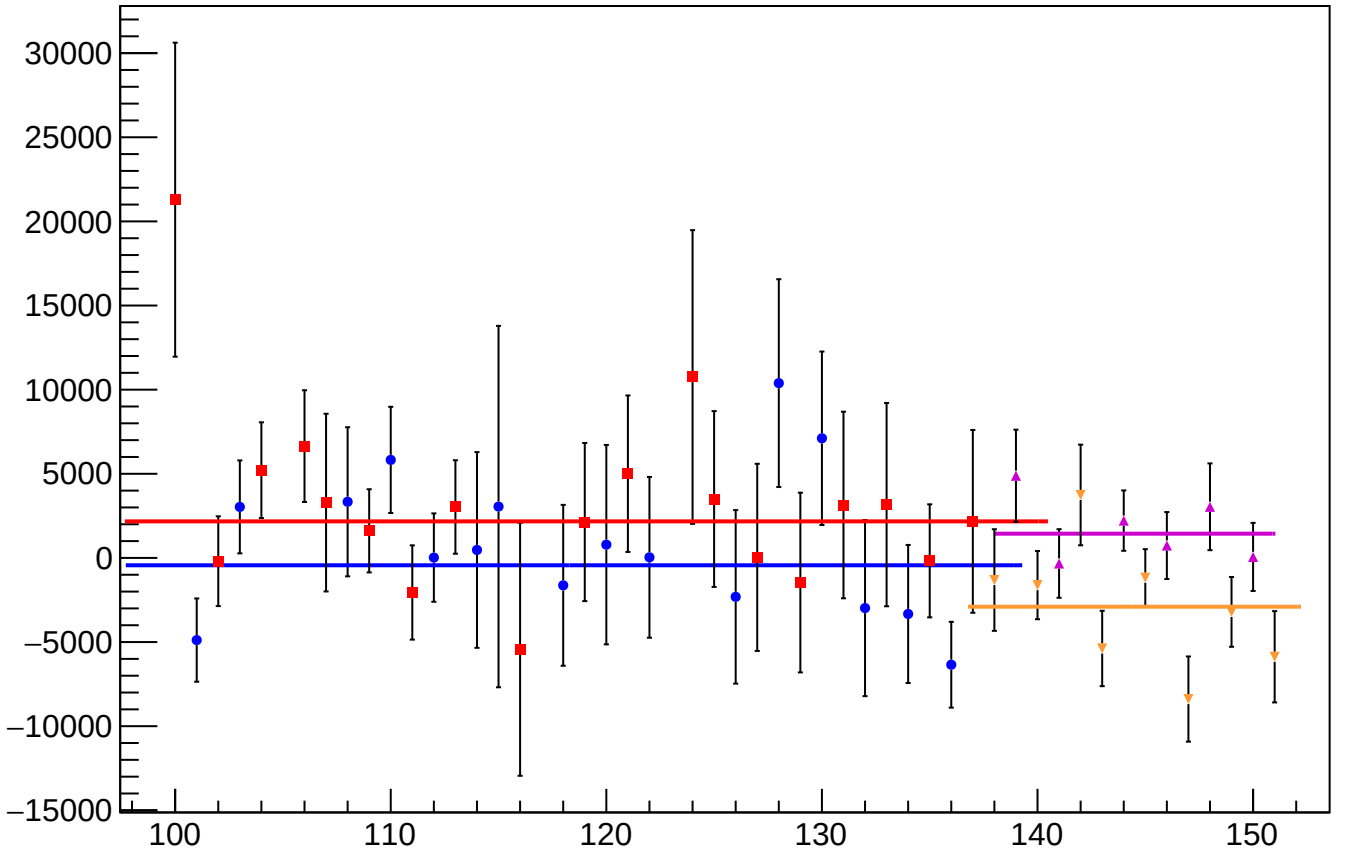
Left: 277.330+/-0.059 χ^2/NDF: 436934.8/13

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 265.895+/-0.054 χ^2/NDF:596554.9/21

Out: 264.297+/-0.052 χ^2/NDF:919638.9/26

All: 265.059+/-0.037 χ^2/NDF: 1516647.0/48



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2898.382+/-806.701 χ^2/NDF:13.8/7

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1440.625+/-866.303 χ^2/NDF:3.5/5

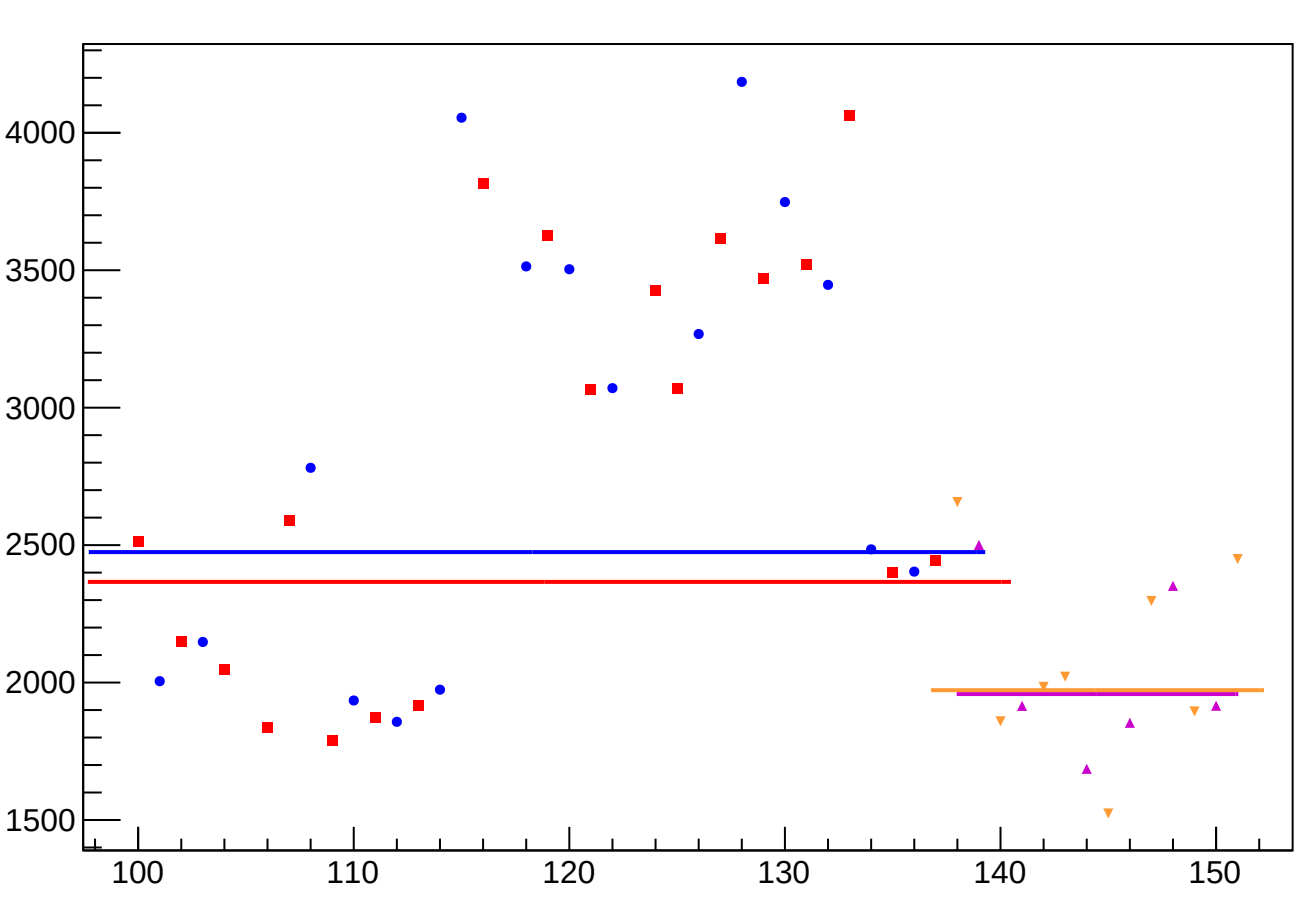
Left: -883.262+/-590.371 χ^2/NDF: 30.7/13

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 593.287+/-641.681 χ^2/NDF:26.8/21

Out: -642.567+/-601.037 χ^2/NDF:45.4/26

All: -65.016+/-438.663 χ^2/NDF: 74.2/48



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 1972.258+/-0.570 χ^2/NDF:347490.3/7

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 1958.232+/-0.613 χ^2/NDF:178418.8/5

Left: 1965.744+/-0.417 χ^2/NDF: 526189.9/13

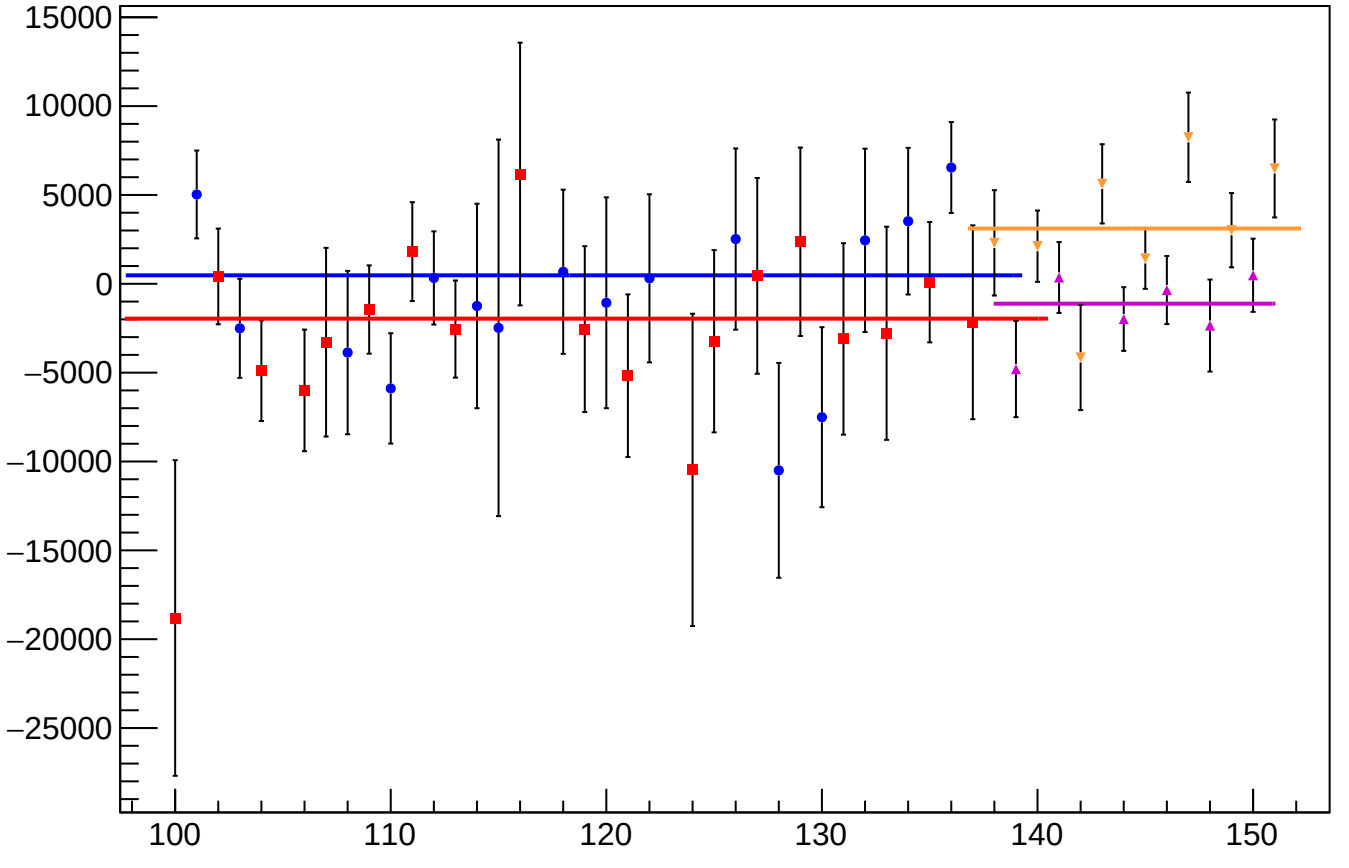
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2191.302+/-0.454 χ^2/NDF:1415413.3/21

Out: 2147.529+/-0.425 χ^2/NDF:1636878.3/26

All: 2167.985+/-0.310 χ^2/NDF: 3057249.1/48

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3112.095+/-806.706 χ^2/NDF:14.2/7

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -1117.322+/-858.462 χ^2/NDF:3.6/5

Left: 1128.716+/-587.873 χ^2/NDF: 30.7/13

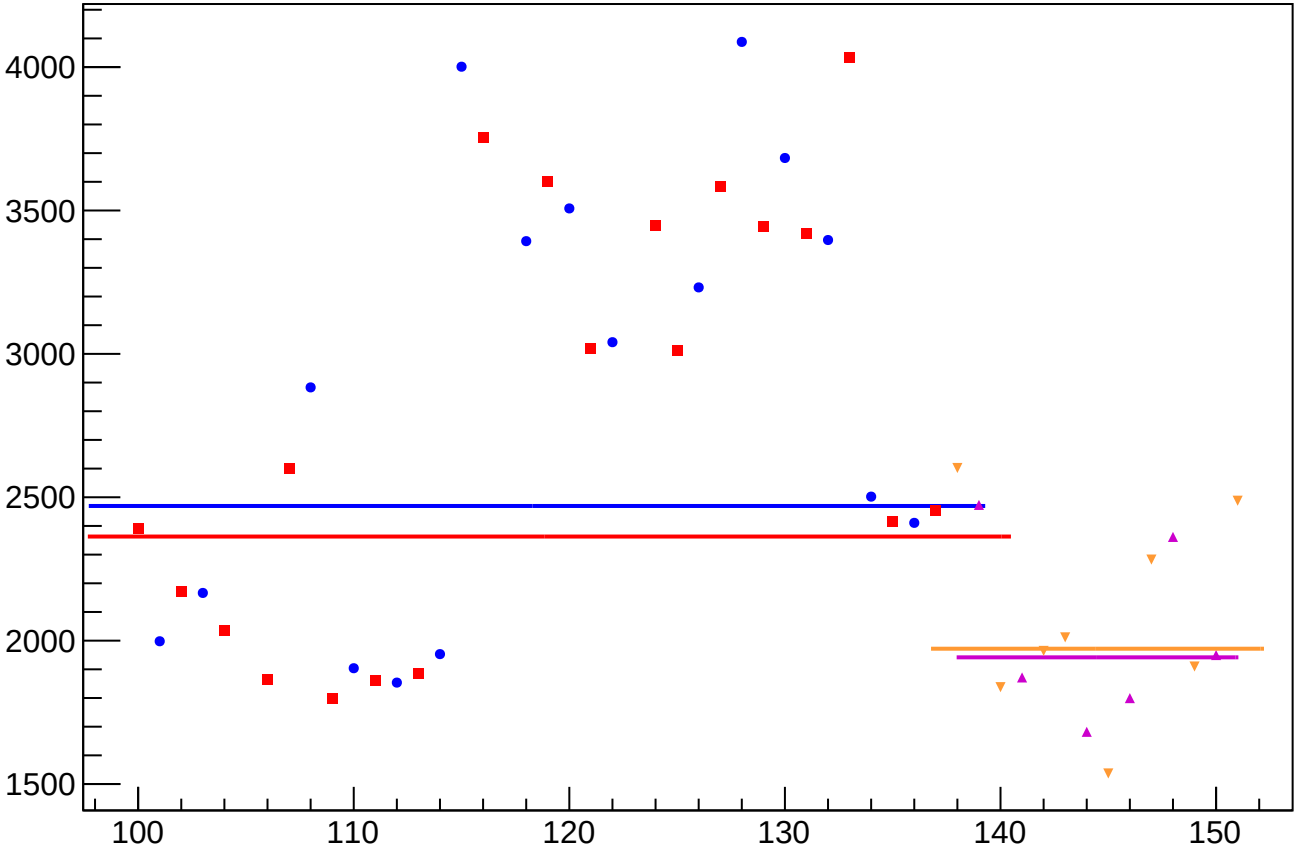
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -402.808+/-637.762 χ^2/NDF:27.3/21

Out: 851.875+/-600.623 χ^2/NDF:44.7/26

All: 262.127+/-437.245 χ^2/NDF: 74.0/48

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 1971.903+/-0.570 χ^2/NDF:331352.9/7

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 1941.785+/-0.607 χ^2/NDF:185307.7/5

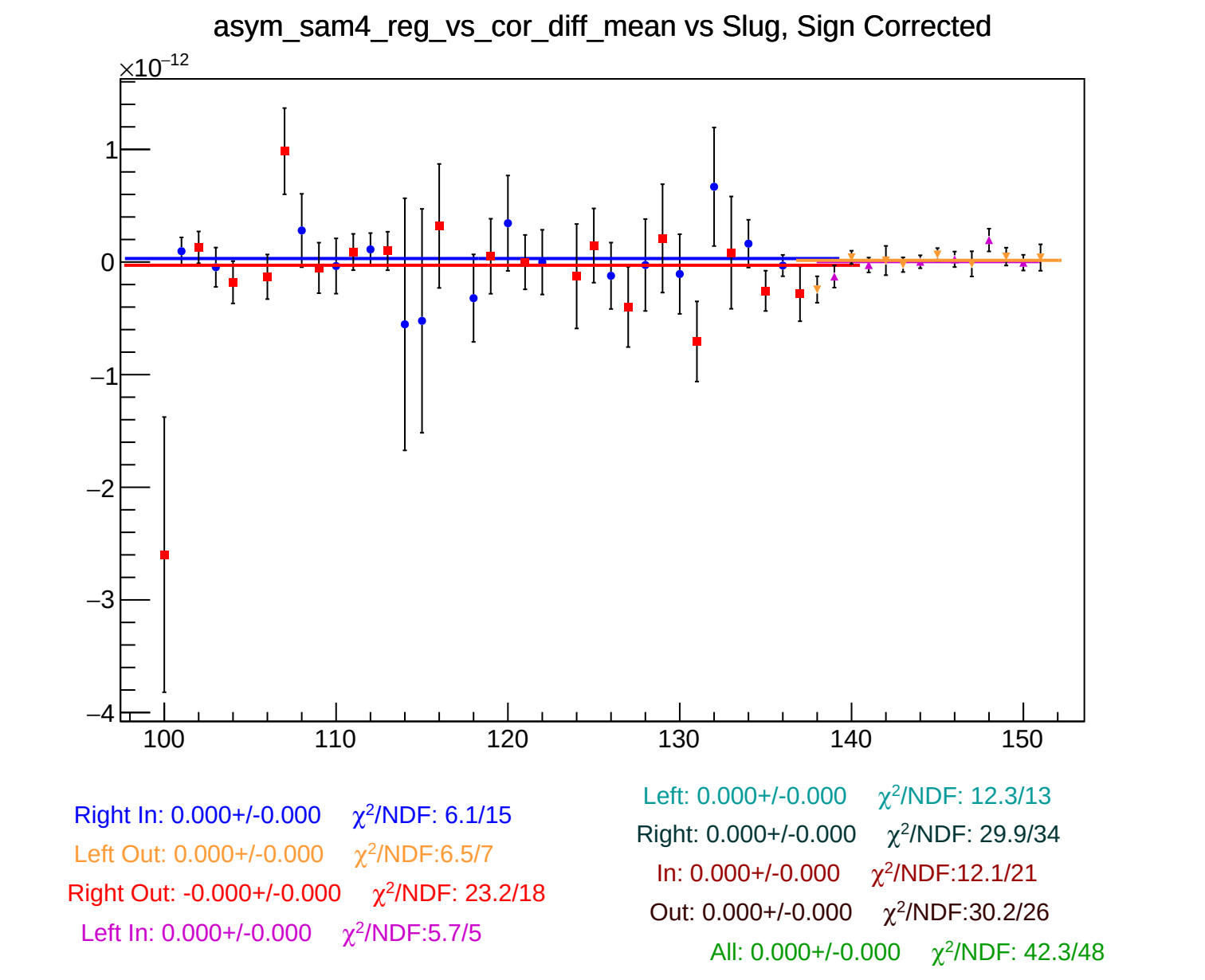
Left: 1957.779+/-0.416 χ^2/NDF: 517968.0/13

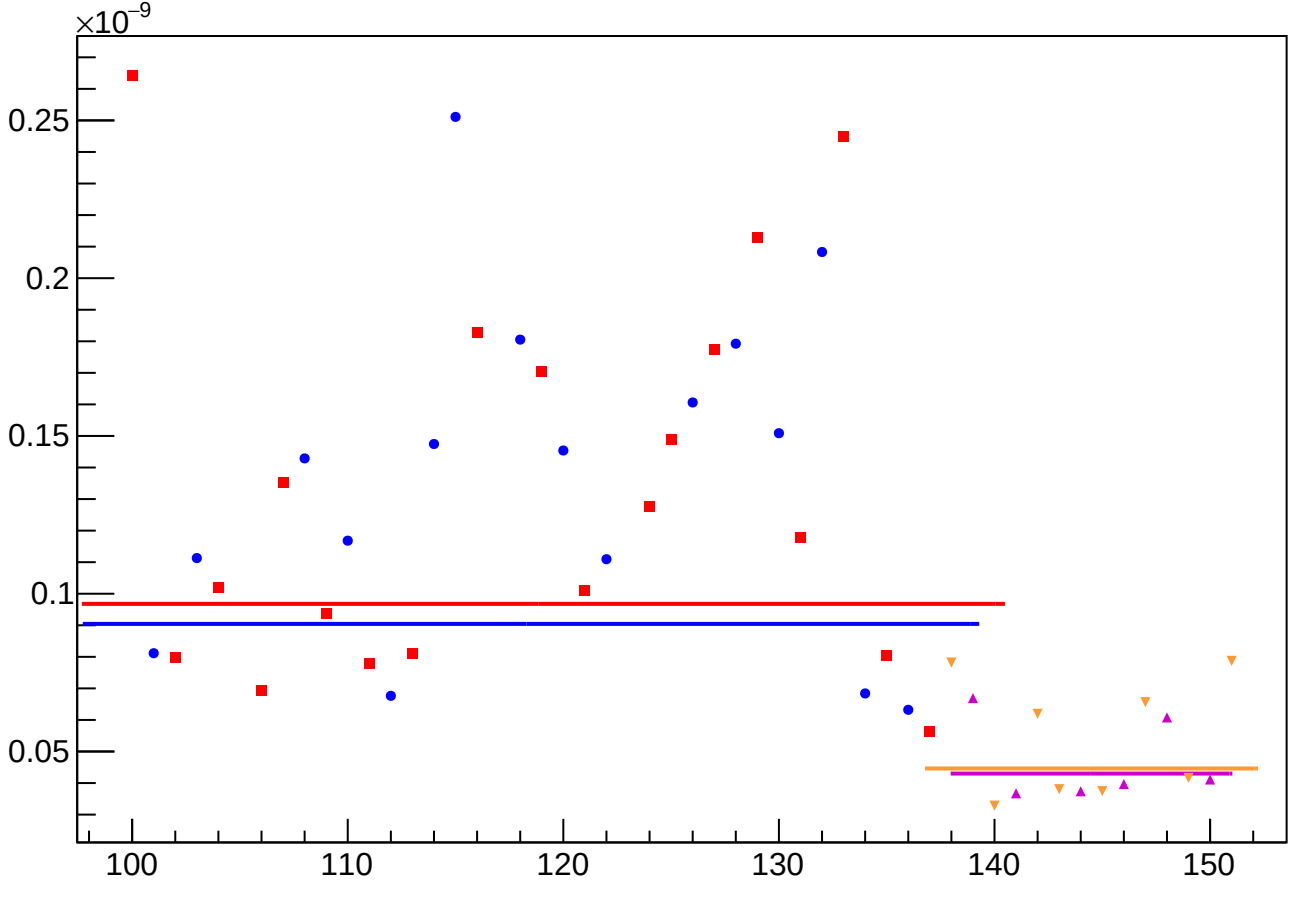
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2178.306+/-0.451 χ^2/NDF:1410310.1/21

Out: 2146.224+/-0.425 χ^2/NDF:1584248.9/26

All: 2161.304+/-0.309 χ^2/NDF: 2997241.2/48


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:6.5/7
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: 0.000+/-0.000 χ²/NDF:5.7/5
Left: 0.000+/-0.000 χ²/NDF: 12.3/13
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: 0.000+/-0.000 χ²/NDF:12.1/21
Out: 0.000+/-0.000 χ²/NDF:30.2/26
All: 0.000+/-0.000 χ²/NDF: 42.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:573960.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:224433.8/5

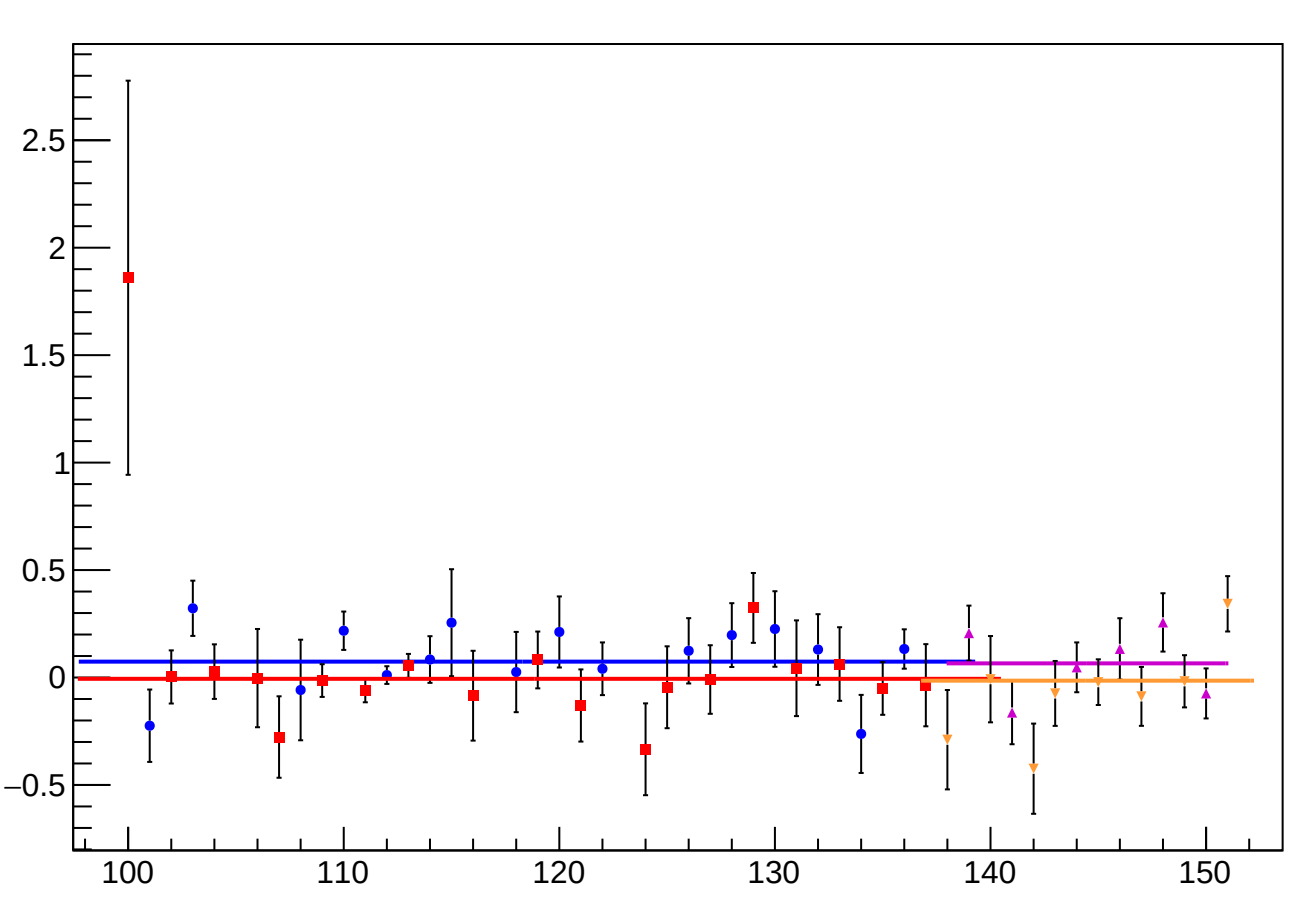
Left: 0.000+/-0.000 χ^2/NDF: 801540.0/13

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2391091.8/21

Out: 0.000+/-0.000 χ^2/NDF:2816816.4/26

All: 0.000+/-0.000 χ^2/NDF: 5208785.7/48



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.053 χ^2/NDF:7.3/5

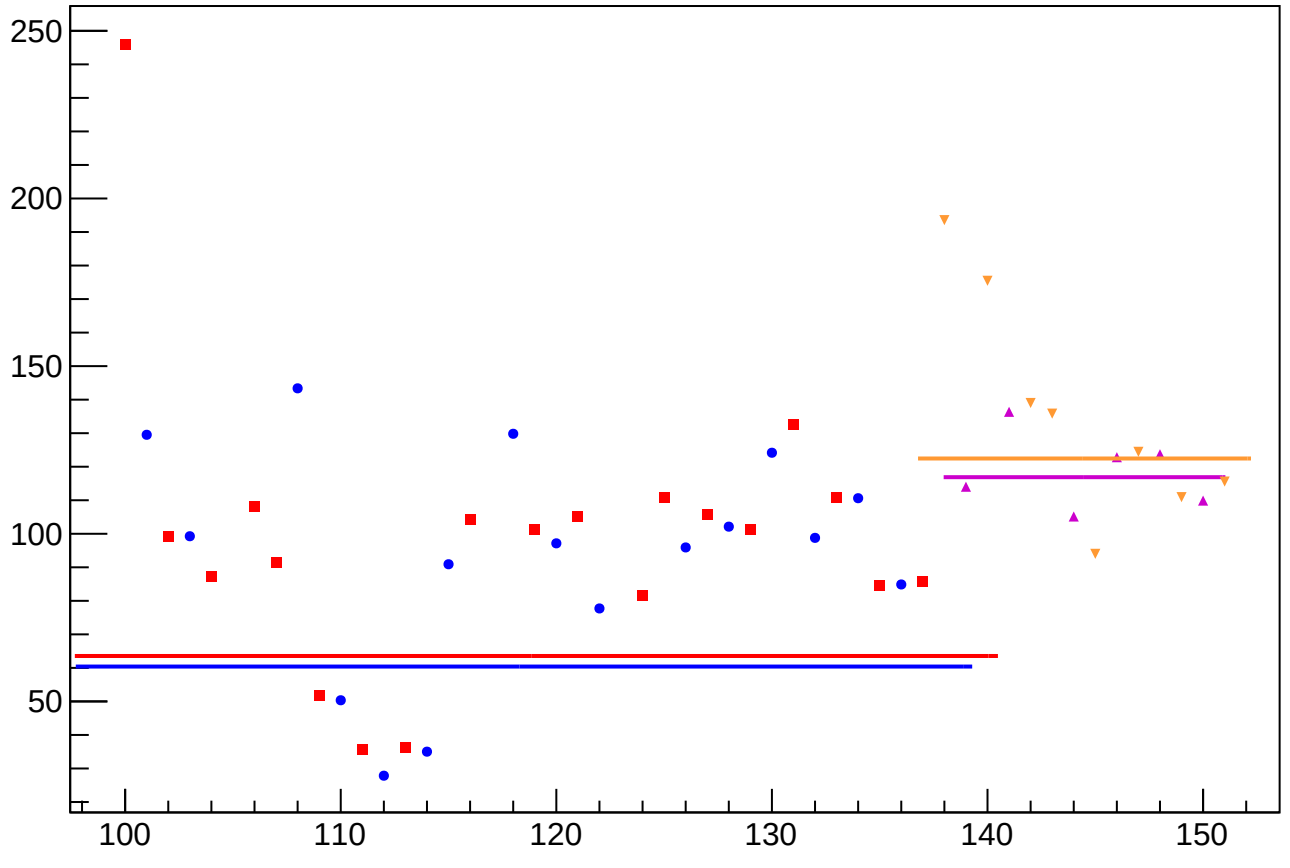
Left: 0.024+/-0.037 χ^2/NDF: 21.9/13

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.024 χ^2/NDF:26.3/21

Out: -0.008+/-0.024 χ^2/NDF:29.8/26

All: 0.032+/-0.017 χ^2/NDF: 61.7/48



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.453+/-0.036 χ^2/NDF:523771.1/7

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.880+/-0.037 χ^2/NDF:72220.4/5

Left: 119.746+/-0.026 χ^2/NDF: 607446.8/13

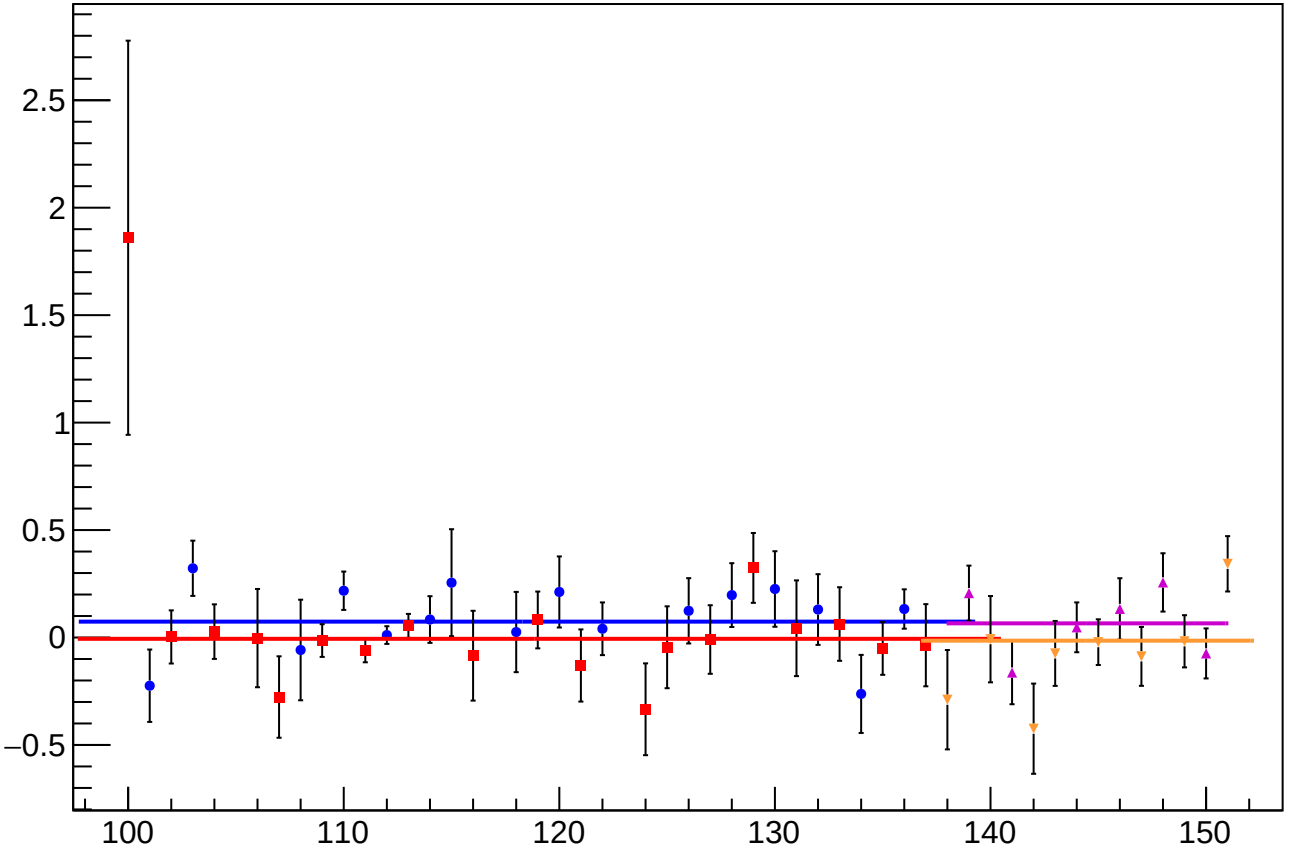
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 72.115+/-0.017 χ^2/NDF:5423834.0/21

Out: 76.199+/-0.017 χ^2/NDF:5247759.4/26

All: 74.181+/-0.012 χ^2/NDF: 10700766.0/48

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: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.053 χ^2/NDF:7.3/5

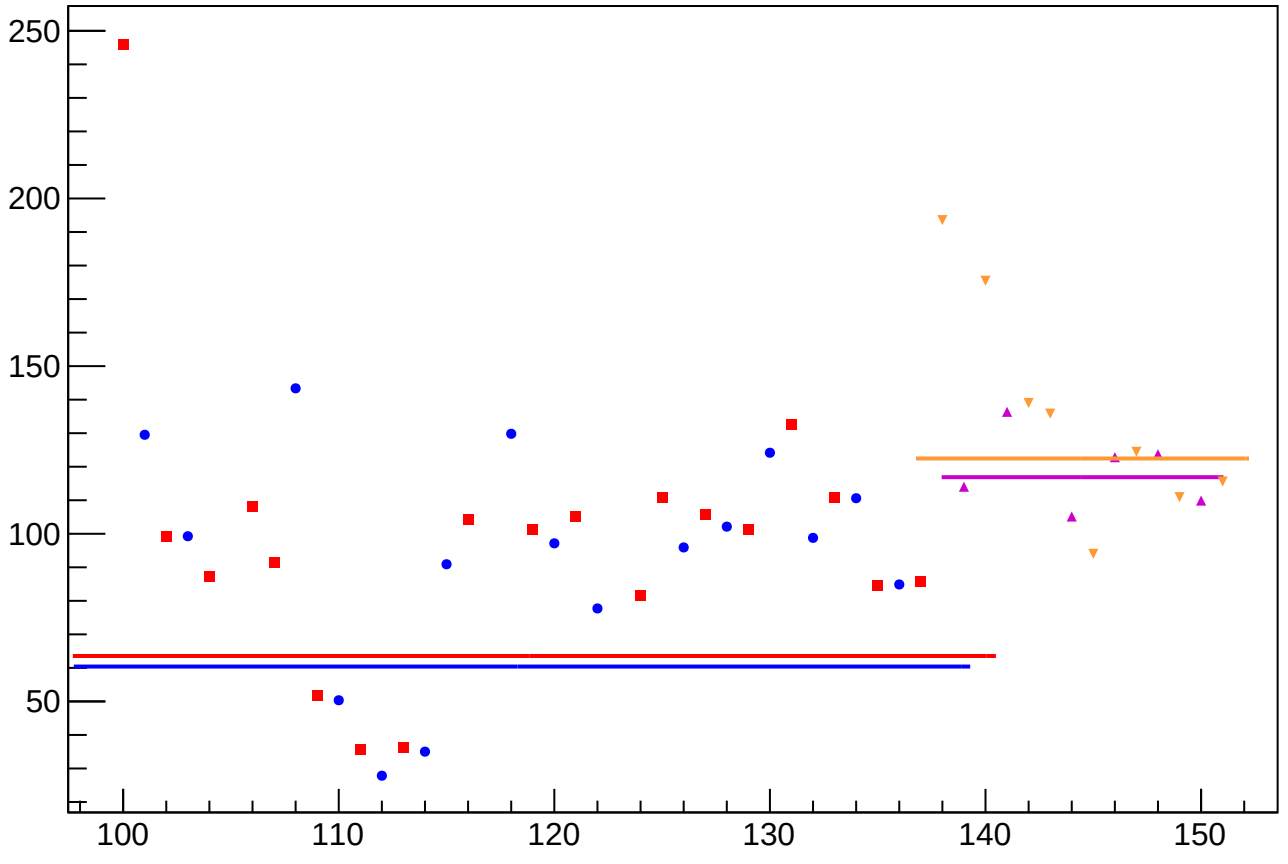
Left: 0.024+/-0.037 χ^2/NDF: 21.9/13

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.024 χ^2/NDF:26.3/21

Out: -0.008+/-0.024 χ^2/NDF:29.8/26

All: 0.032+/-0.017 χ^2/NDF: 61.7/48



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.453+/-0.036 χ^2/NDF:523771.1/7

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.880+/-0.037 χ^2/NDF:72220.4/5

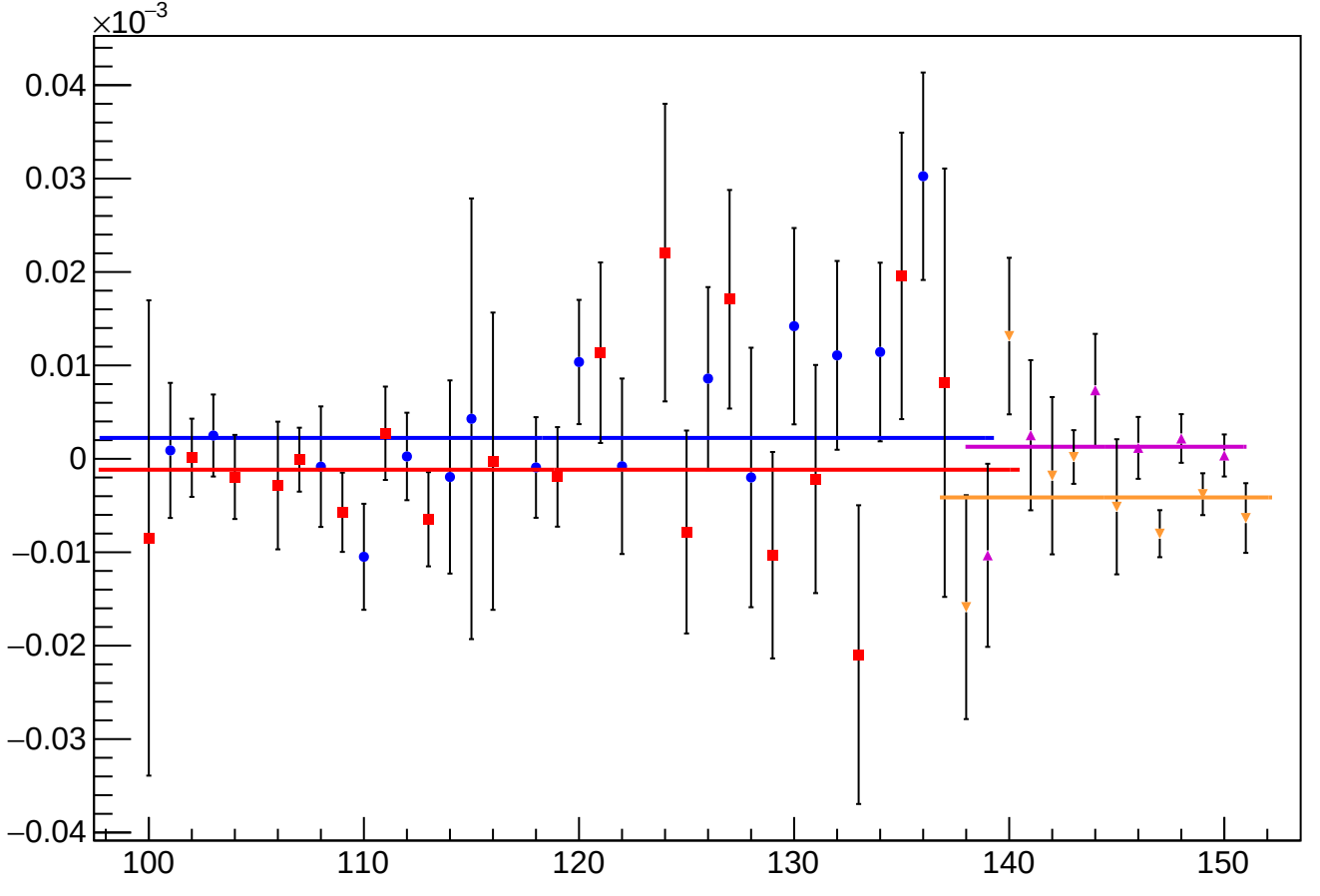
Left: 119.746+/-0.026 χ^2/NDF: 607446.8/13

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 72.115+/-0.017 χ^2/NDF:5423834.0/21

Out: 76.199+/-0.017 χ^2/NDF:5247759.4/26

All: 74.181+/-0.012 χ^2/NDF: 10700766.0/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/5

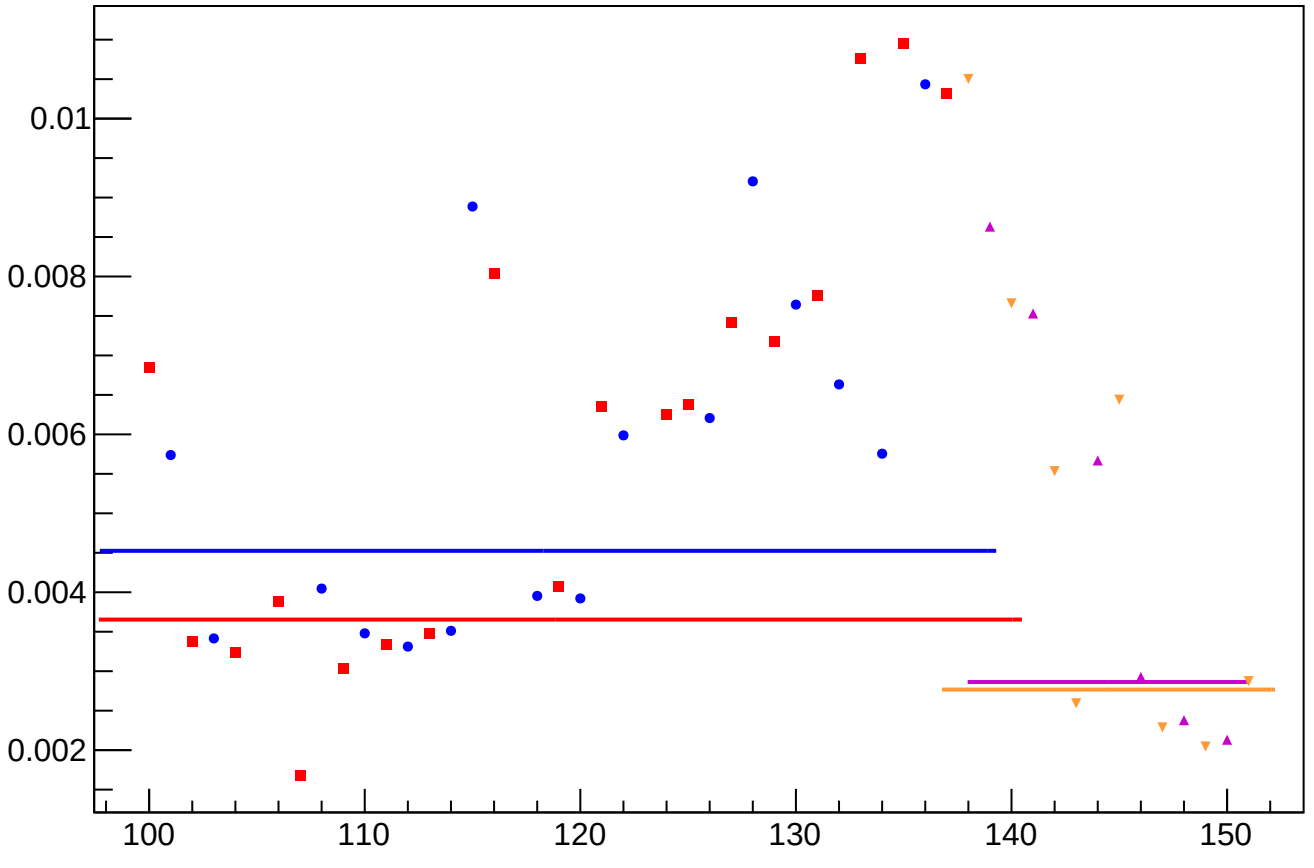
Left: -0.000+/-0.000 χ^2/NDF: 21.0/13

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:20.3/21

Out: -0.000+/-0.000 χ^2/NDF:26.7/26

All: -0.000+/-0.000 χ^2/NDF: 56.3/48



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:2535980.2/7

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:2081554.5/5

Left: 0.003+/-0.000 χ^2/NDF: 4622501.5/13

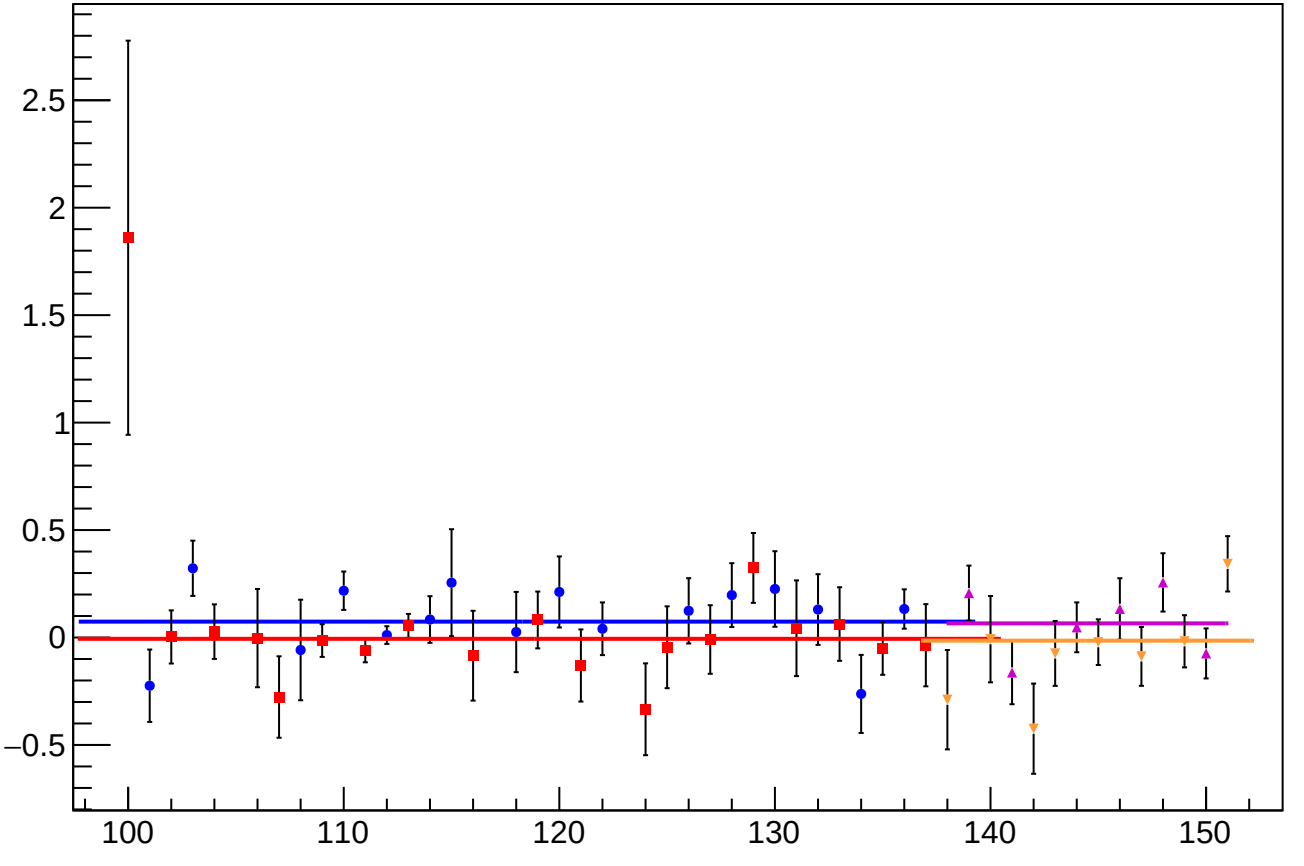
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:4840512.2/21

Out: 0.003+/-0.000 χ^2/NDF:5872363.9/26

All: 0.003+/-0.000 χ^2/NDF: 10828839.0/48

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: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.053 χ^2/NDF:7.3/5

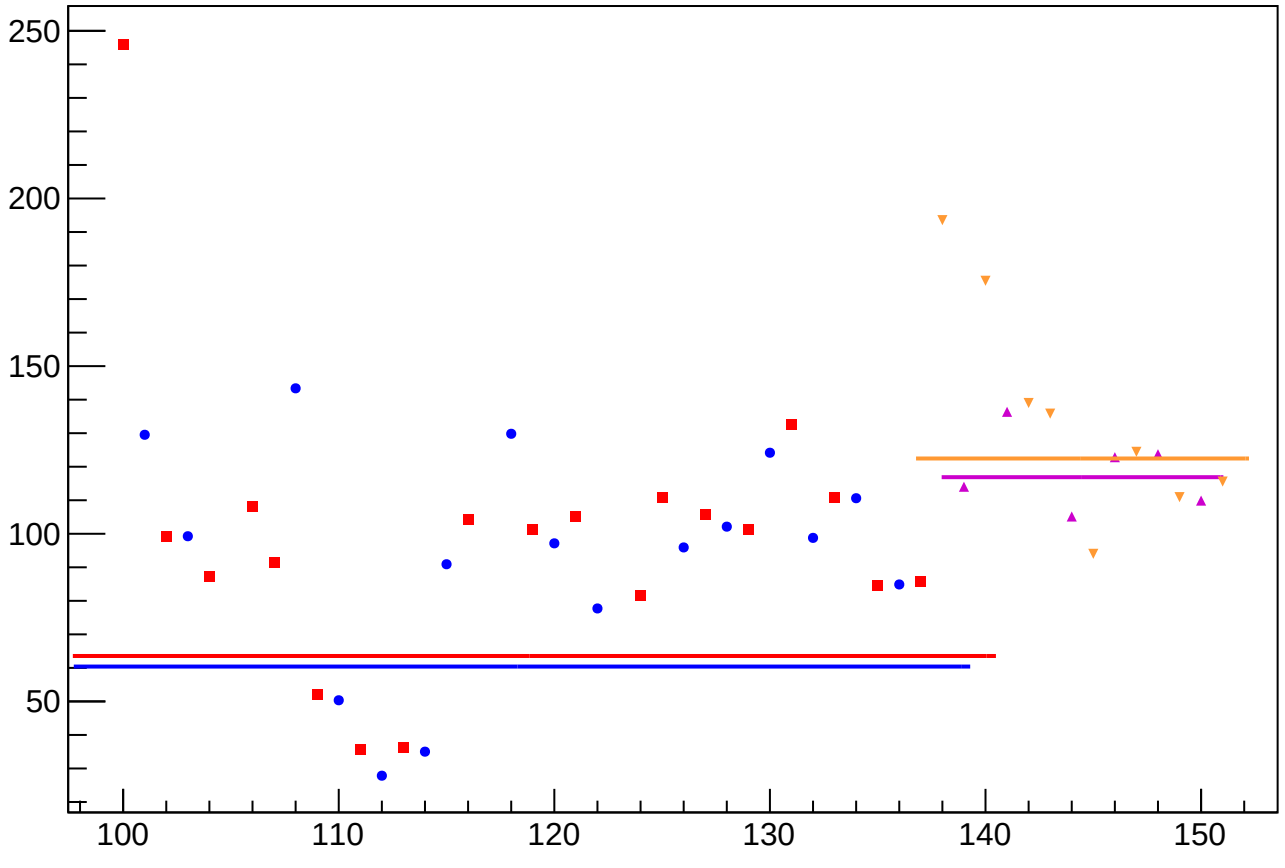
Left: 0.024+/-0.037 χ^2/NDF: 21.9/13

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.024 χ^2/NDF:26.3/21

Out: -0.008+/-0.024 χ^2/NDF:29.8/26

All: 0.032+/-0.017 χ^2/NDF: 61.7/48



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 122.454+/-0.036 χ^2/NDF:523745.5/7

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.881+/-0.037 χ^2/NDF:72222.9/5

Left: 119.747+/-0.026 χ^2/NDF: 607425.4/13

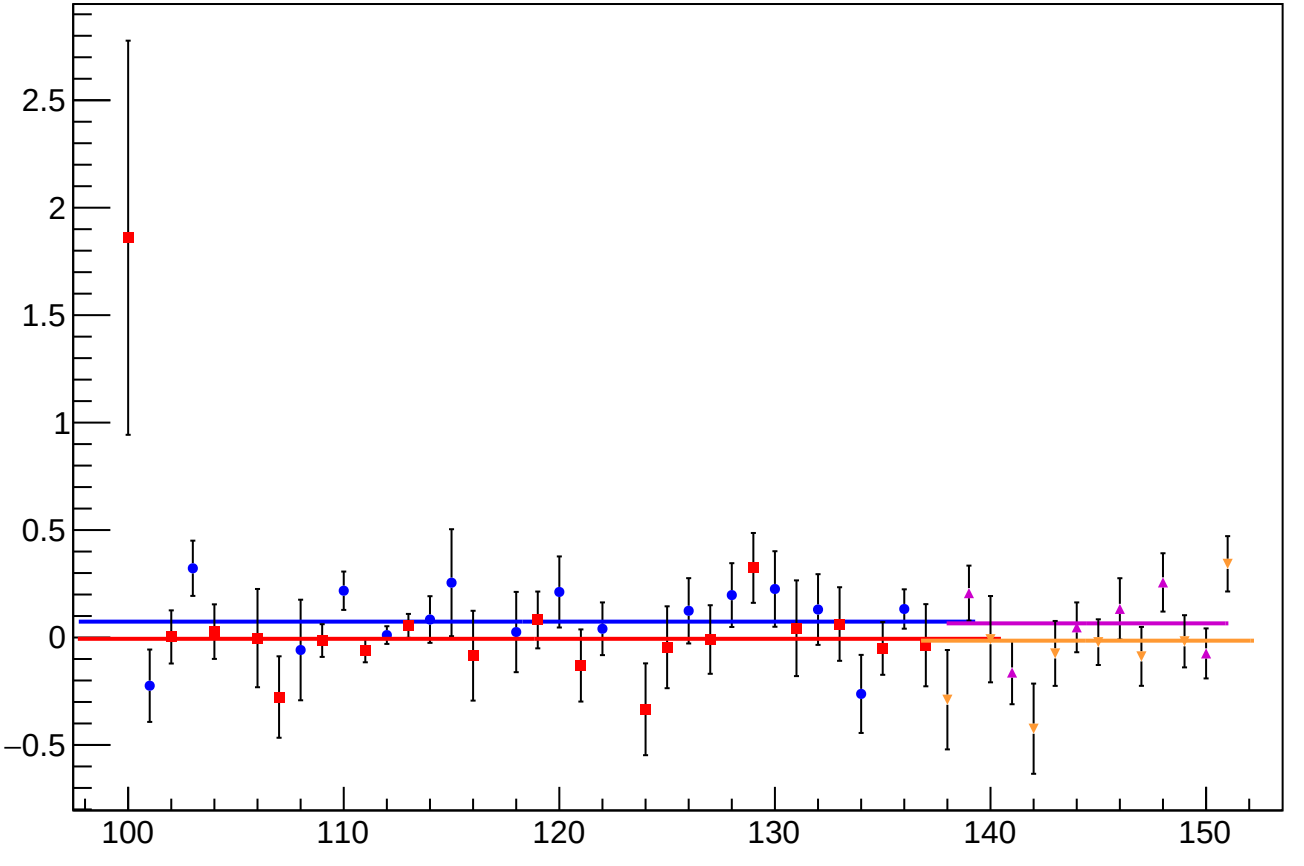
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 72.113+/-0.017 χ^2/NDF:5424276.5/21

Out: 76.198+/-0.017 χ^2/NDF:5248203.4/26

All: 74.179+/-0.012 χ^2/NDF: 10701658.1/48

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: -0.015+/-0.051 χ^2/NDF:13.4/7

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.066+/-0.053 χ^2/NDF:7.3/5

Left: 0.024+/-0.037 χ^2/NDF: 21.9/13

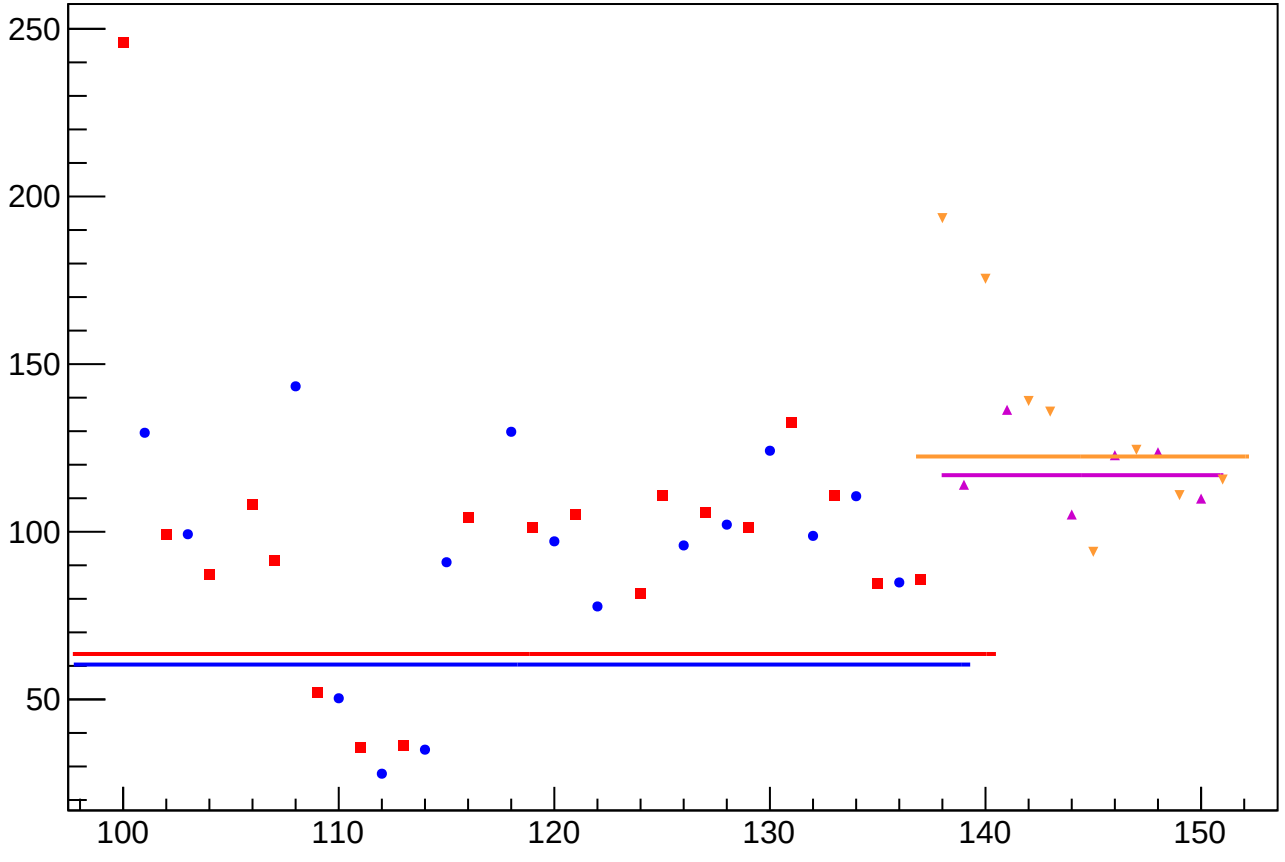
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.072+/-0.024 χ^2/NDF:26.3/21

Out: -0.008+/-0.024 χ^2/NDF:29.8/26

All: 0.032+/-0.017 χ^2/NDF: 61.7/48

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 122.454+/-0.036 χ^2/NDF:523745.5/7

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.881+/-0.037 χ^2/NDF:72222.9/5

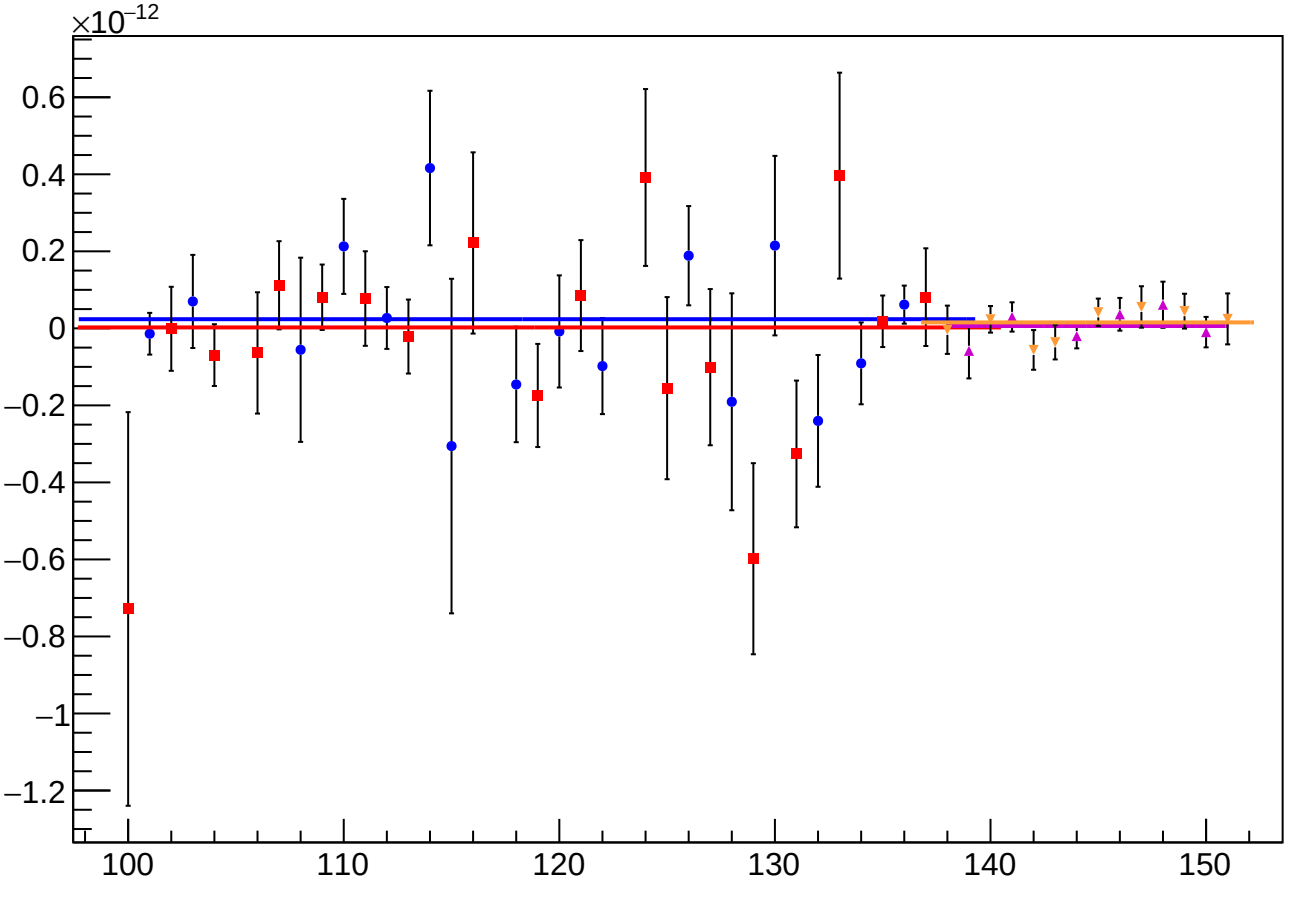
Left: 119.747+/-0.026 χ^2/NDF: 607425.4/13

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 72.113+/-0.017 χ^2/NDF:5424276.5/21

Out: 76.198+/-0.017 χ^2/NDF:5248203.4/26

All: 74.179+/-0.012 χ^2/NDF: 10701658.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/5

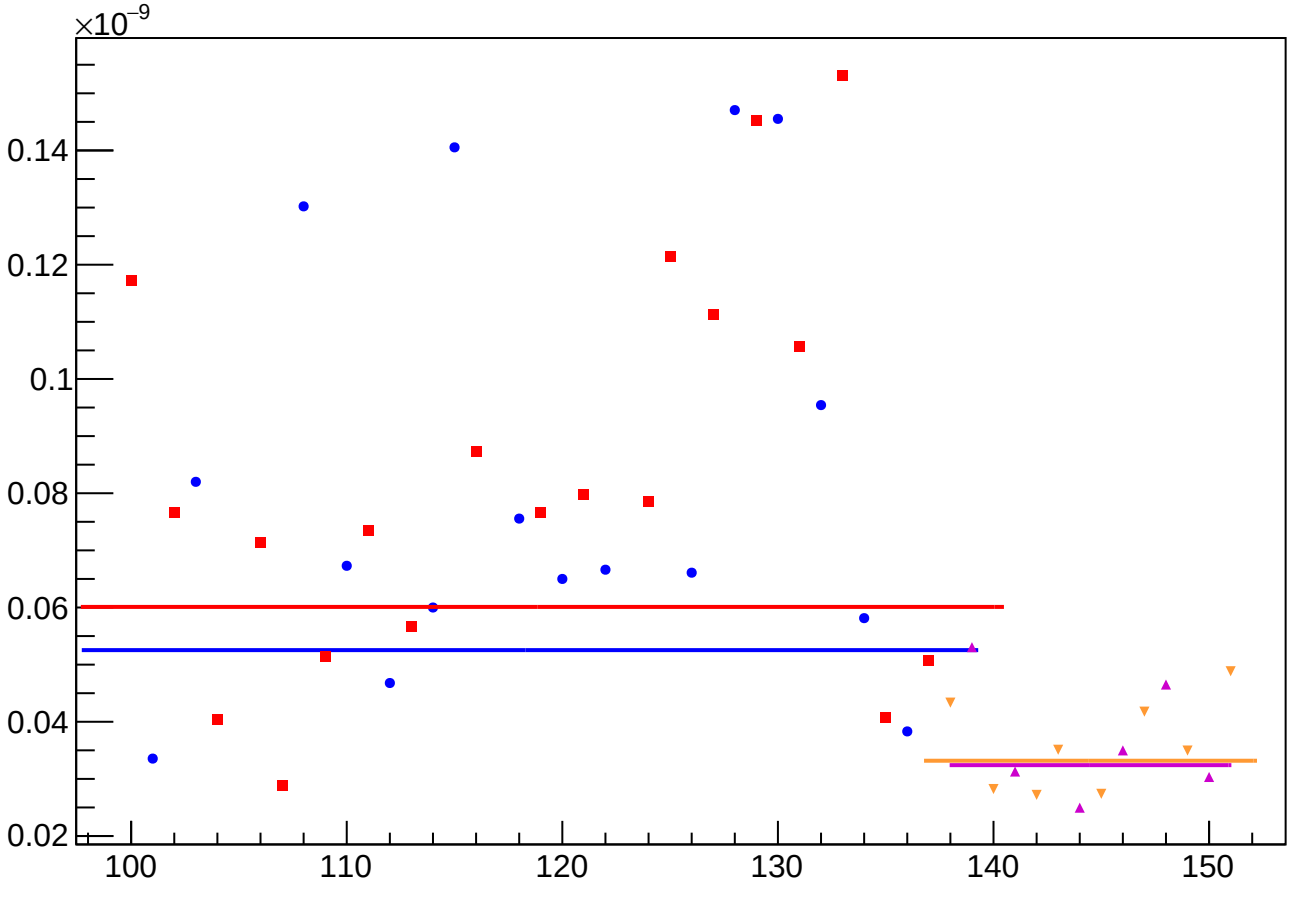
Left: 0.000+/-0.000 χ^2/NDF: 8.5/13

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:20.5/21

Out: 0.000+/-0.000 χ^2/NDF:28.3/26

All: 0.000+/-0.000 χ^2/NDF: 48.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:343311.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:400760.6/5

Left: 0.000+/-0.000 χ^2/NDF: 746205.7/13

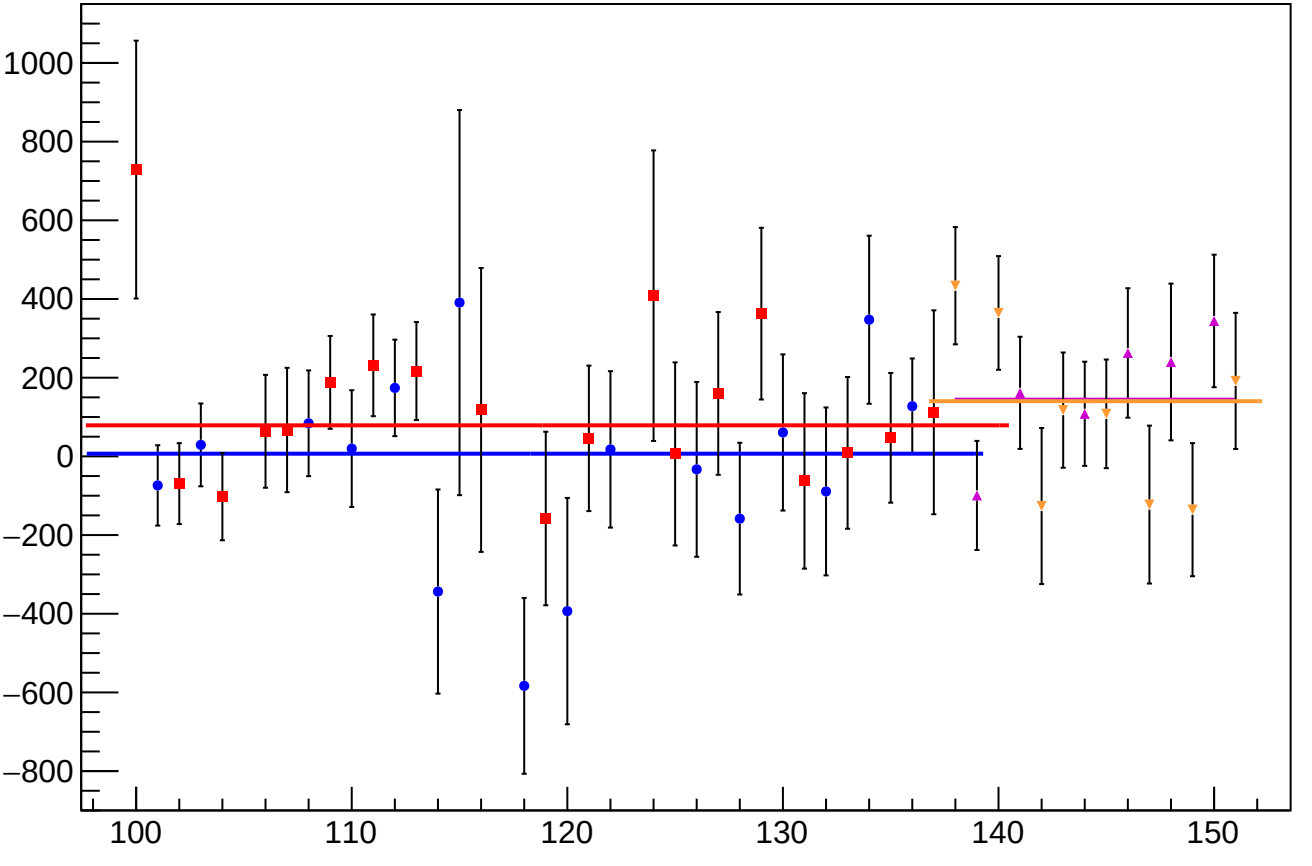
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:2872275.1/21

Out: 0.000+/-0.000 χ^2/NDF:3206051.0/26

All: 0.000+/-0.000 χ^2/NDF: 6084142.6/48

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 140.270+/-56.740 χ^2/NDF:12.6/7

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 144.105+/-62.544 χ^2/NDF:5.3/5

Left: 142.002+/-42.024 χ^2/NDF: 18.0/13

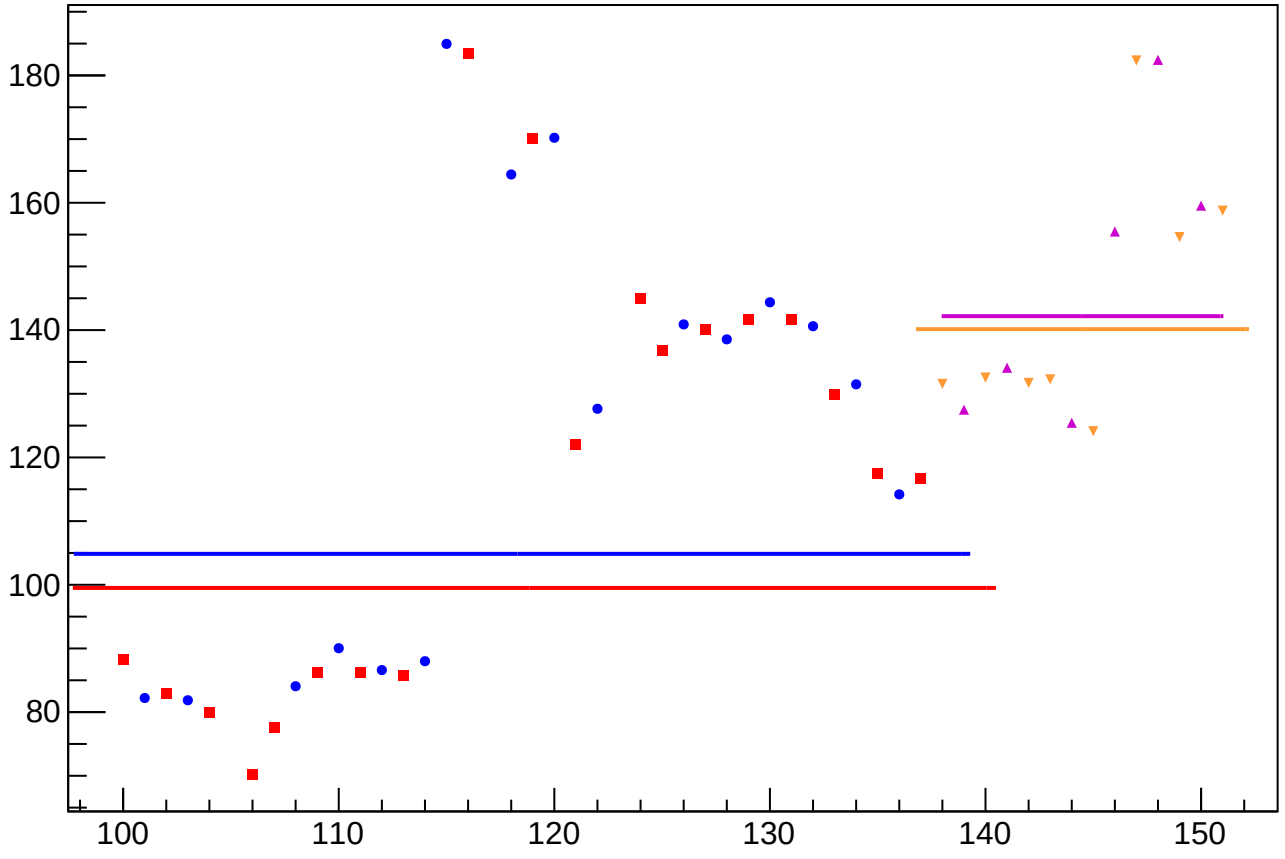
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 47.164+/-33.908 χ^2/NDF:27.5/21

Out: 97.826+/-31.519 χ^2/NDF:30.1/26

All: 74.342+/-23.086 χ^2/NDF: 58.8/48

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 140.152+/-0.040 χ^2/NDF:174737.7/7

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 142.187+/-0.044 χ^2/NDF:176810.5/5

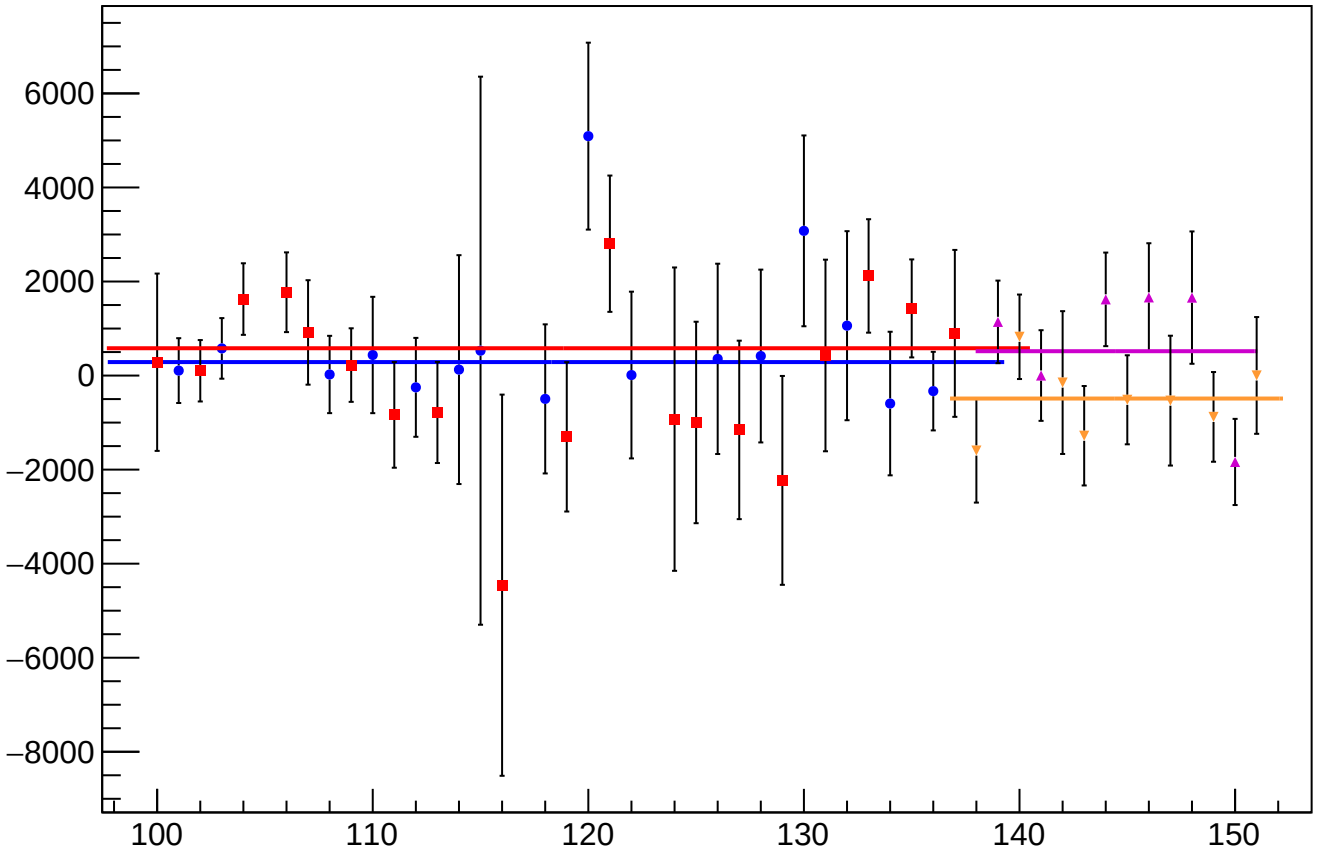
Left: 141.071+/-0.030 χ^2/NDF: 352709.1/13

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 115.831+/-0.024 χ^2/NDF:1611028.5/21

Out: 112.050+/-0.022 χ^2/NDF:1923341.8/26

All: 113.803+/-0.016 χ^2/NDF: 3547711.5/48



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -488.389+/-384.282 χ^2/NDF:4.1/7

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 518.160+/-413.954 χ^2/NDF:10.3/5

Left: -22.479+/-281.635 χ^2/NDF: 17.5/13

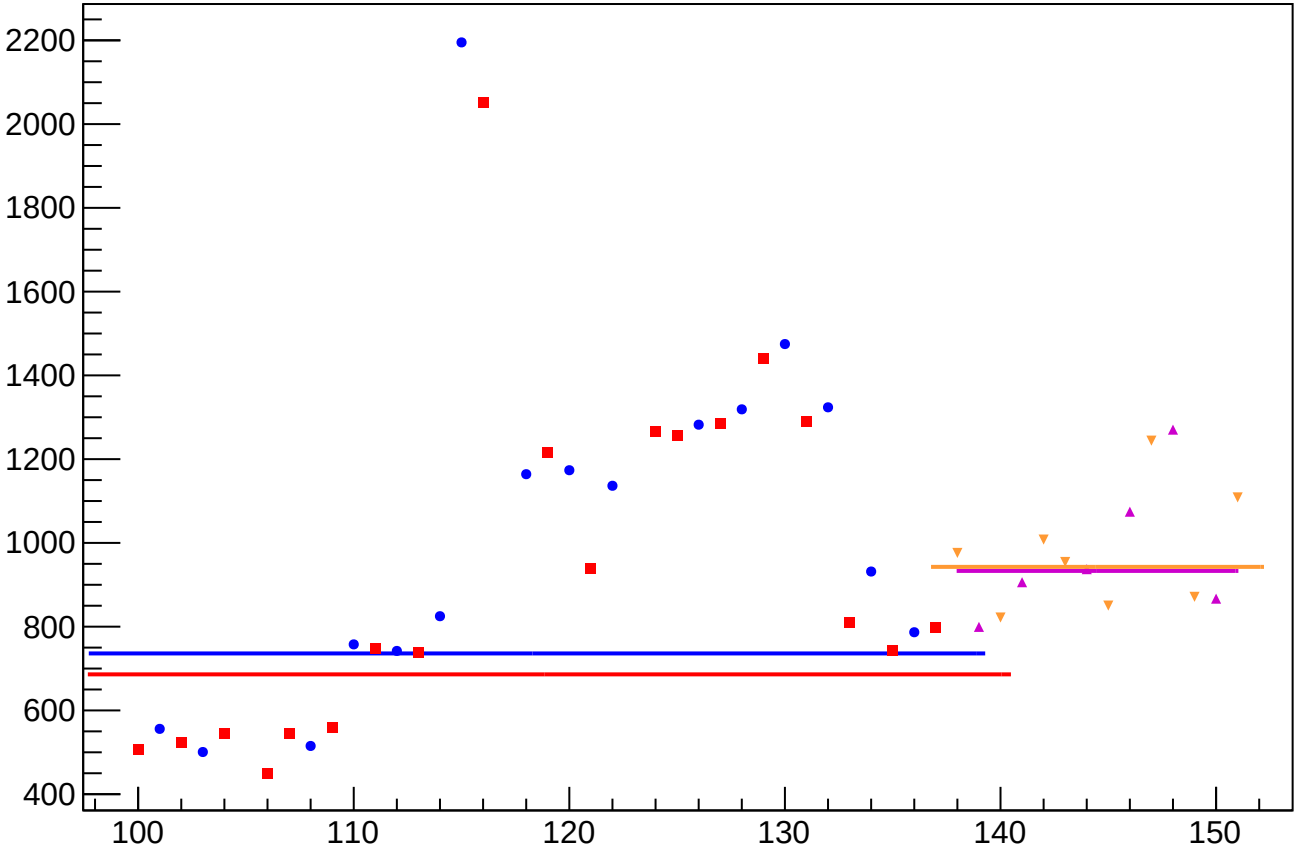
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 364.265+/-239.412 χ^2/NDF:20.2/21

Out: 228.103+/-220.798 χ^2/NDF:28.0/26

All: 290.685+/-162.310 χ^2/NDF: 48.4/48

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 942.777+/-0.272 χ^2/NDF:203281.3/7

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 933.123+/-0.293 χ^2/NDF:203520.1/5

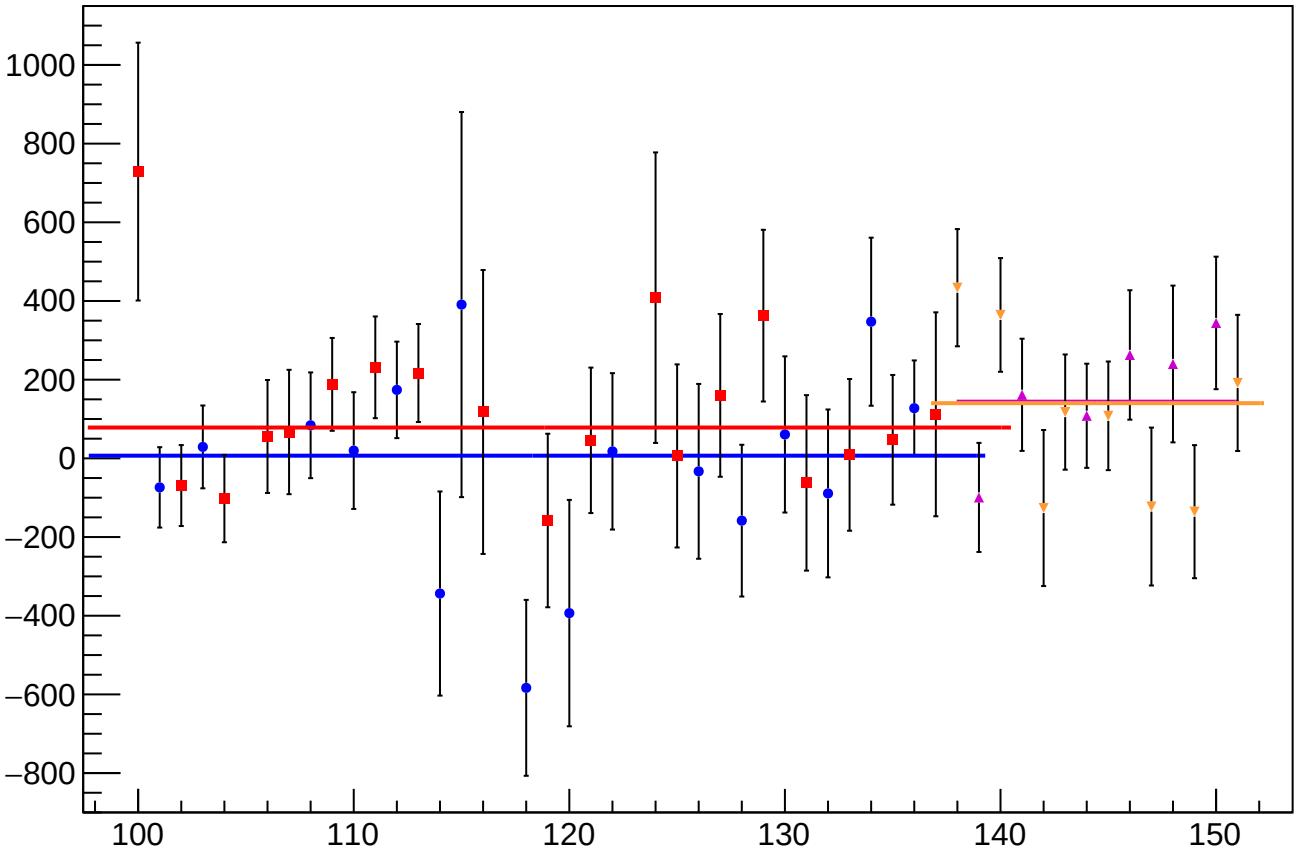
Left: 938.308+/-0.199 χ^2/NDF: 407385.6/13

Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 801.992+/-0.169 χ^2/NDF:2349584.2/21

Out: 770.843+/-0.156 χ^2/NDF:2620130.1/26

All: 785.160+/-0.115 χ^2/NDF: 4988008.7/48



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 140.275+/-56.740 χ^2/NDF:12.6/7

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 144.107+/-62.544 χ^2/NDF:5.3/5

Left: 142.005+/-42.024 χ^2/NDF: 18.0/13

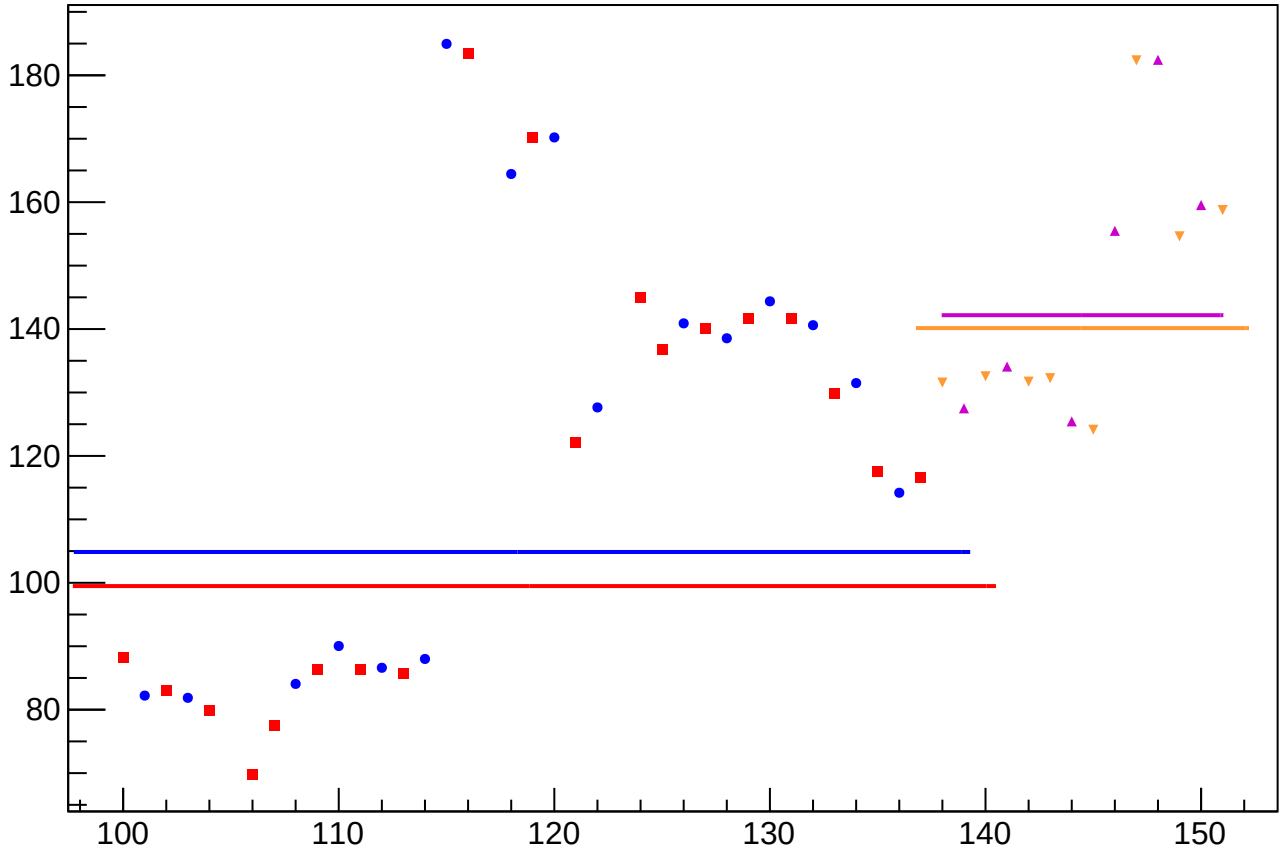
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 47.157+/-33.908 χ^2/NDF:27.5/21

Out: 97.459+/-31.521 χ^2/NDF:30.2/26

All: 74.141+/-23.086 χ^2/NDF: 58.9/48

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 140.152+/-0.040 χ^2/NDF:174737.7/7

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 142.187+/-0.044 χ^2/NDF:176810.5/5

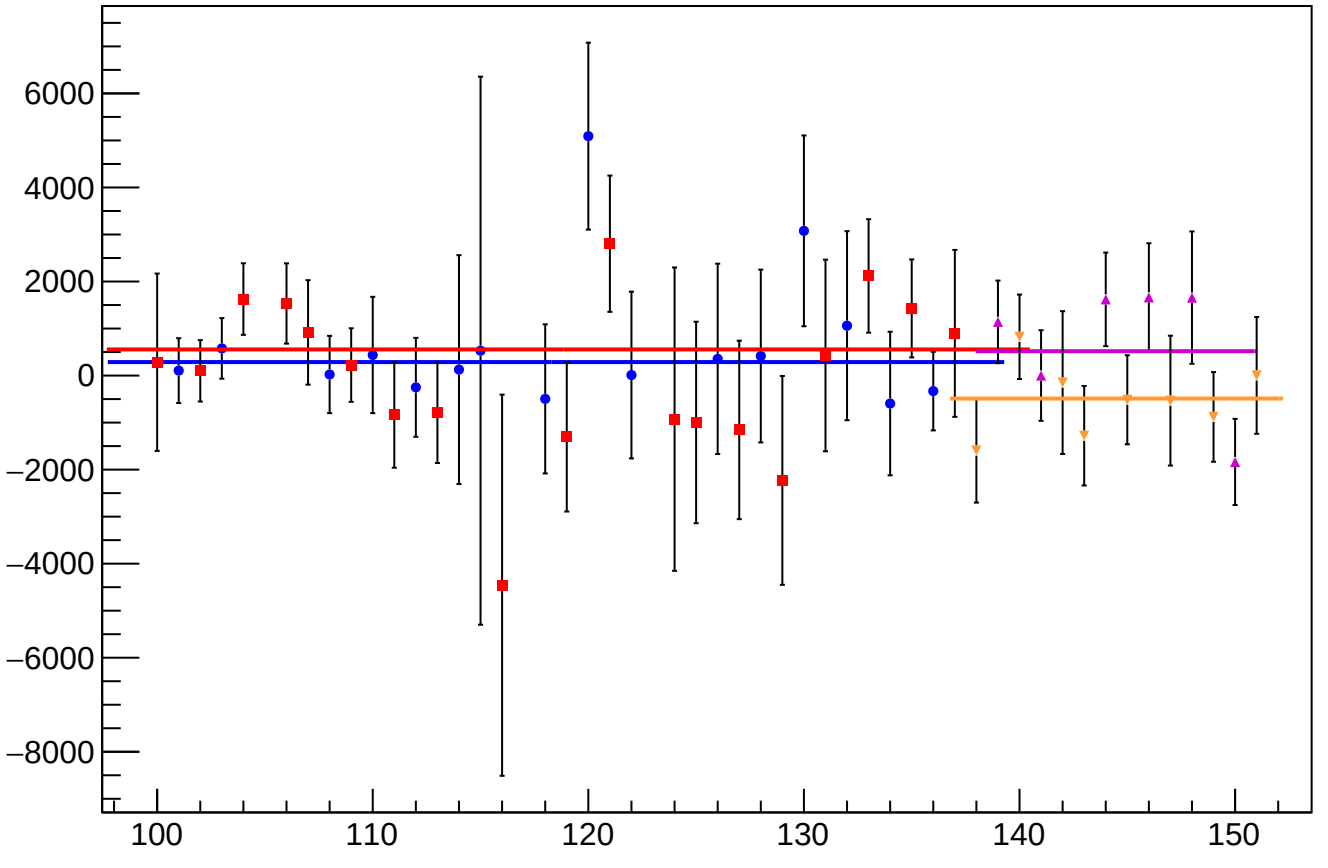
Left: 141.071+/-0.030 χ^2/NDF: 352709.1/13

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 115.831+/-0.024 χ^2/NDF:1611027.4/21

Out: 112.035+/-0.022 χ^2/NDF:1926331.9/26

All: 113.794+/-0.016 χ^2/NDF: 3550808.0/48



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -488.385+/-384.282 χ^2/NDF:4.1/7

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 518.153+/-413.954 χ^2/NDF:10.3/5

Left: -22.480+/-281.635 χ^2/NDF: 17.5/13

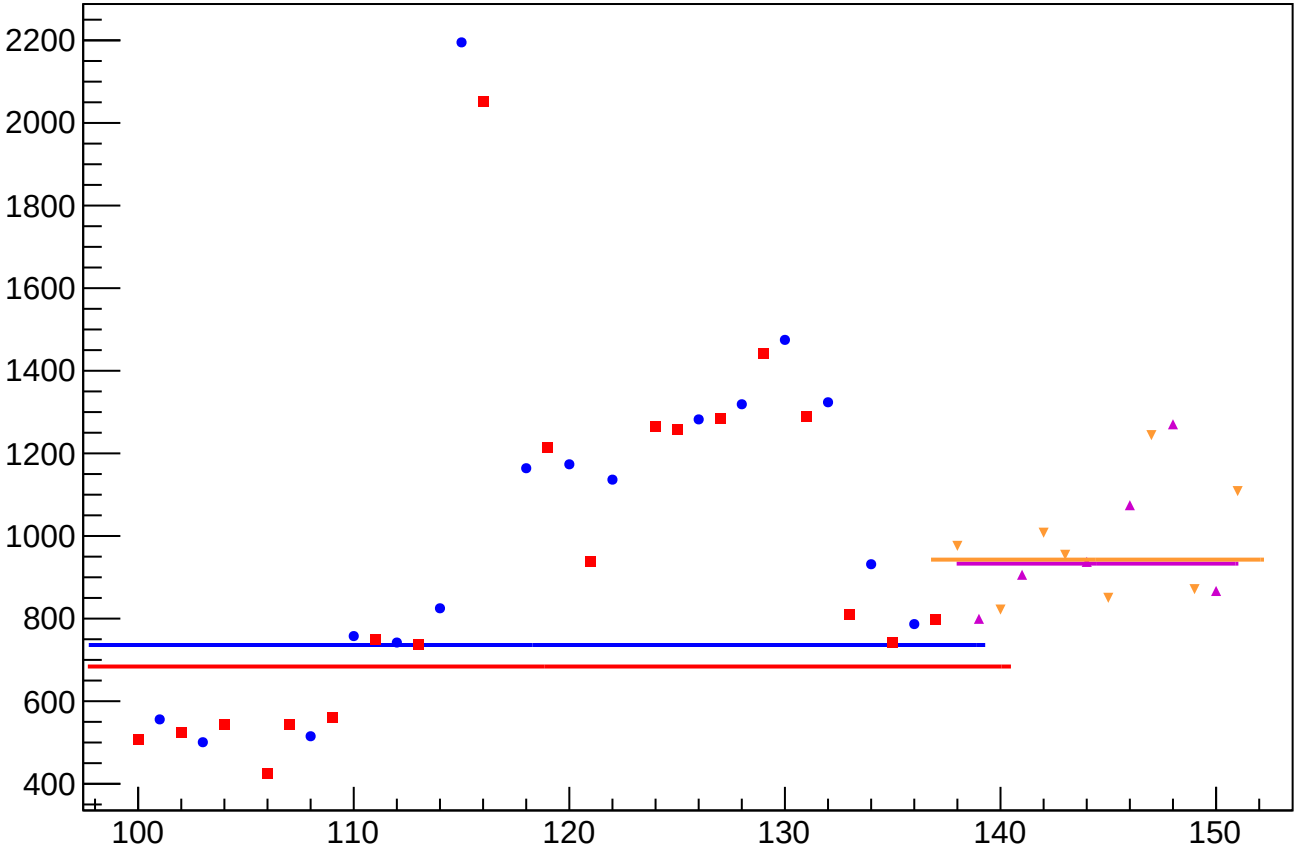
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 364.264+/-239.412 χ^2/NDF:20.2/21

Out: 210.529+/-220.896 χ^2/NDF:27.0/26

All: 281.223+/-162.349 χ^2/NDF: 47.4/48

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 942.777+/-0.272 χ^2/NDF:203280.9/7

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 933.124+/-0.293 χ^2/NDF:203520.1/5

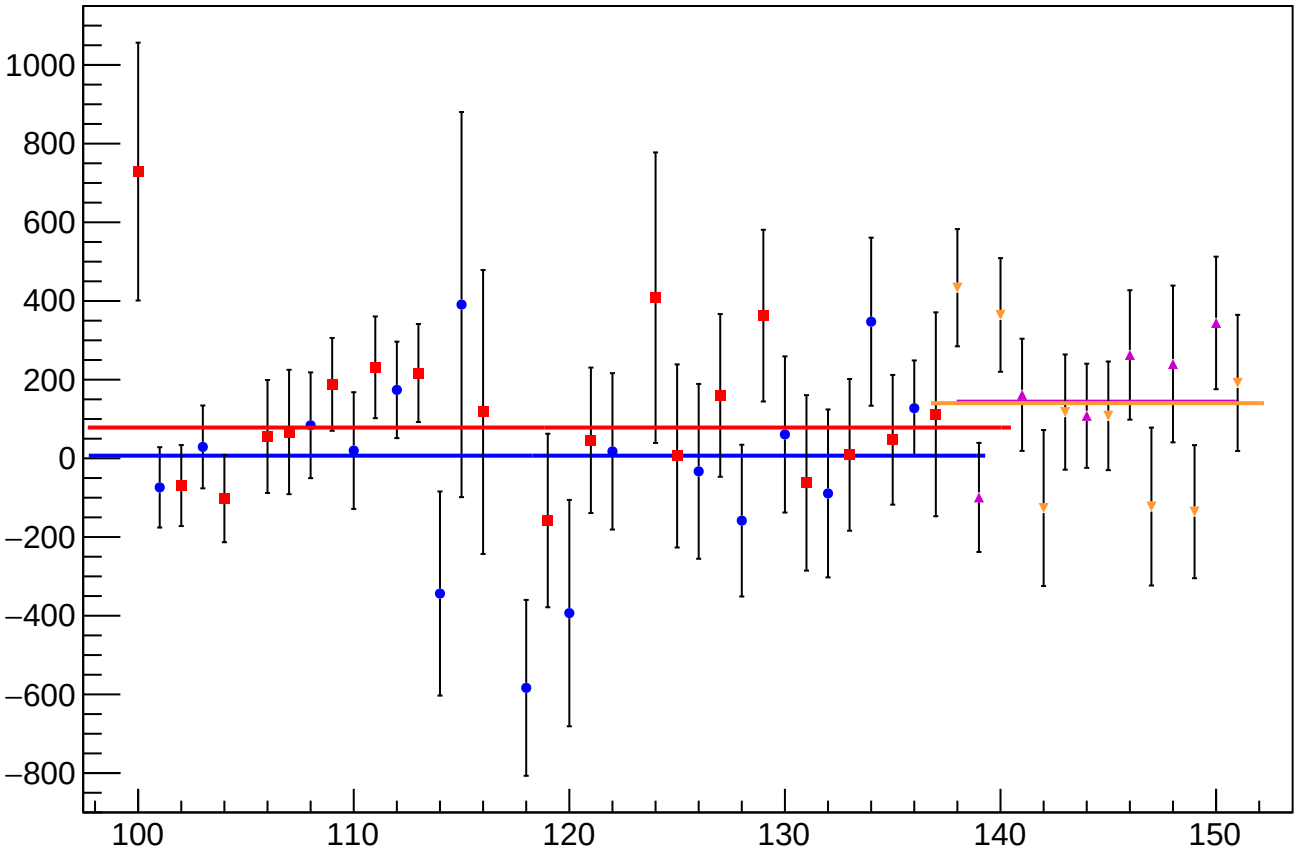
Left: 938.309+/-0.199 χ^2/NDF: 407385.2/13

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 801.992+/-0.169 χ^2/NDF:2349588.4/21

Out: 769.494+/-0.156 χ^2/NDF:2661041.2/26

All: 784.438+/-0.115 χ^2/NDF: 5030535.0/48



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 140.275+/-56.740 χ^2/NDF:12.6/7

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 144.107+/-62.544 χ^2/NDF:5.3/5

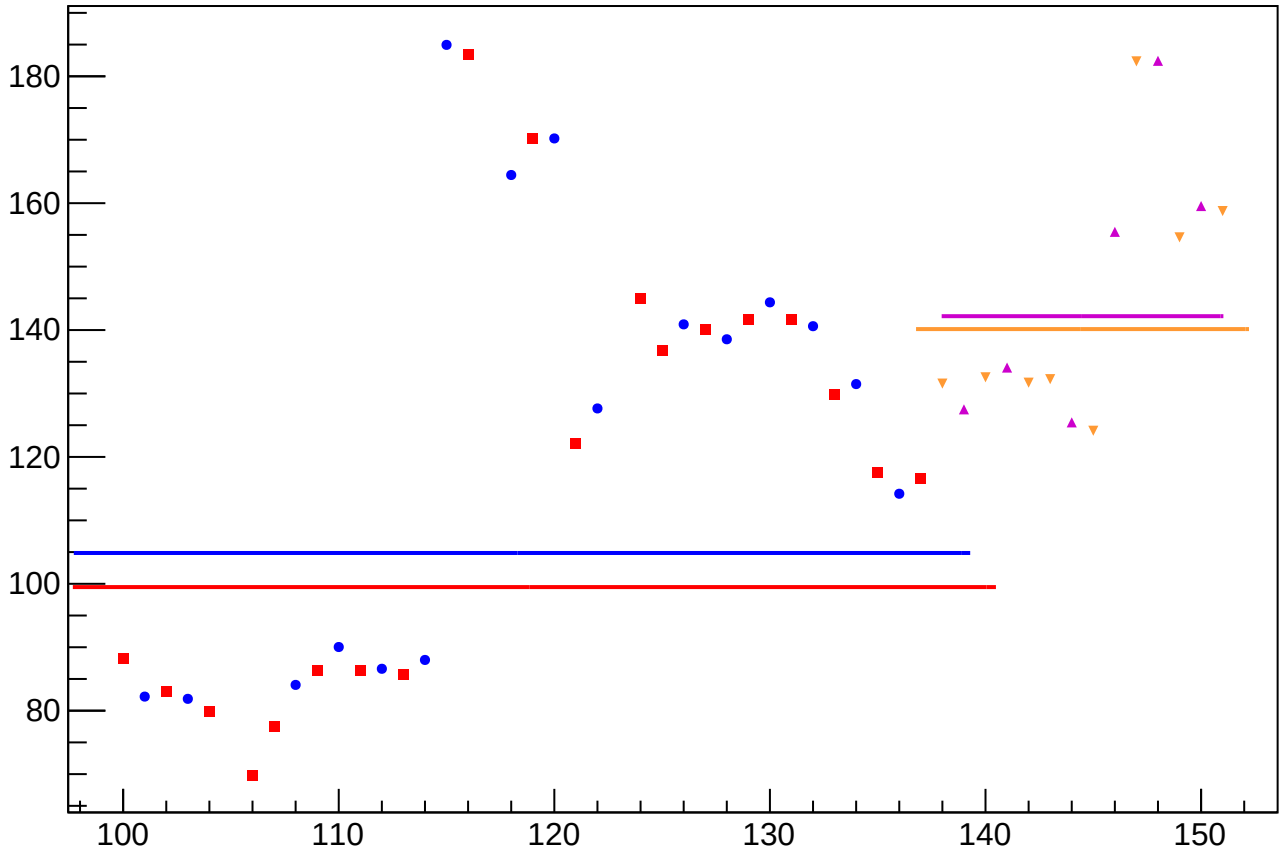
Left: 142.005+/-42.024 χ^2/NDF: 18.0/13

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 47.157+/-33.908 χ^2/NDF:27.5/21

Out: 97.459+/-31.521 χ^2/NDF:30.2/26

All: 74.141+/-23.086 χ^2/NDF: 58.9/48



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 140.152+/-0.040 χ^2/NDF:174737.7/7

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 142.187+/-0.044 χ^2/NDF:176810.5/5

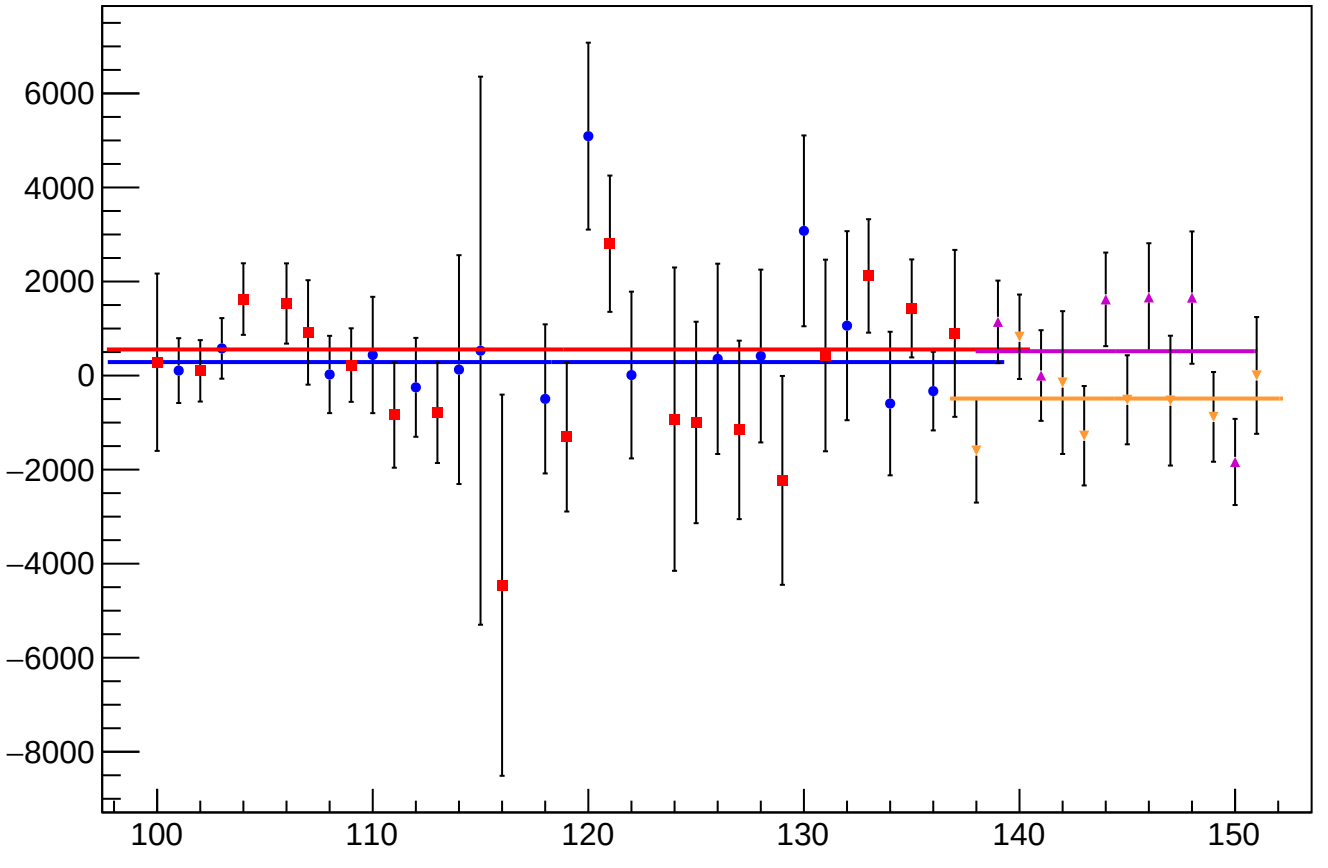
Left: 141.071+/-0.030 χ^2/NDF: 352709.1/13

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 115.831+/-0.024 χ^2/NDF:1611027.4/21

Out: 112.035+/-0.022 χ^2/NDF:1926331.9/26

All: 113.794+/-0.016 χ^2/NDF: 3550808.0/48



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -488.385+/-384.282 χ^2/NDF:4.1/7

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 518.153+/-413.954 χ^2/NDF:10.3/5

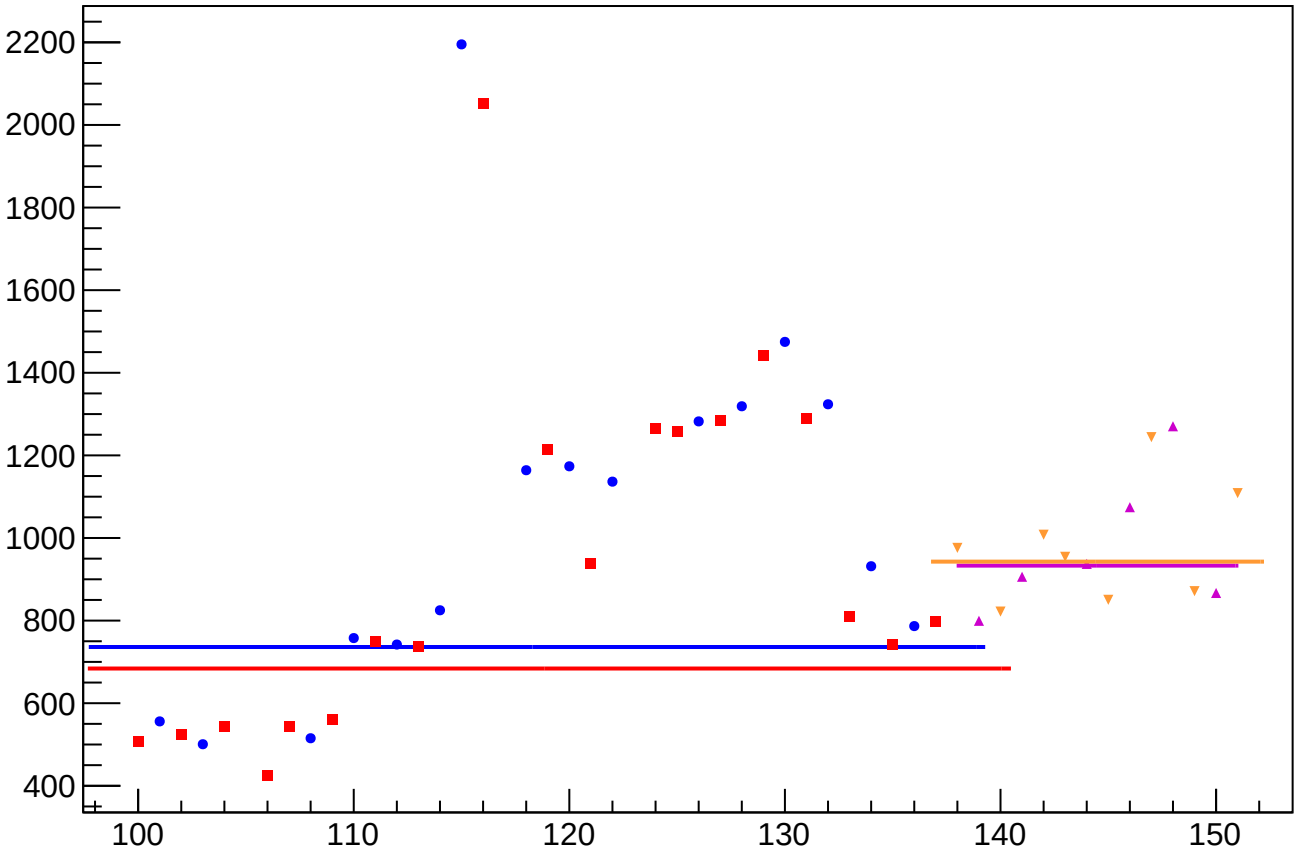
Left: -22.480+/-281.635 χ^2/NDF: 17.5/13

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 364.264+/-239.412 χ^2/NDF:20.2/21

Out: 210.529+/-220.896 χ^2/NDF:27.0/26

All: 281.223+/-162.349 χ^2/NDF: 47.4/48



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 942.777+/-0.272 χ^2/NDF:203280.9/7

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 933.124+/-0.293 χ^2/NDF:203520.1/5

Left: 938.309+/-0.199 χ^2/NDF: 407385.2/13

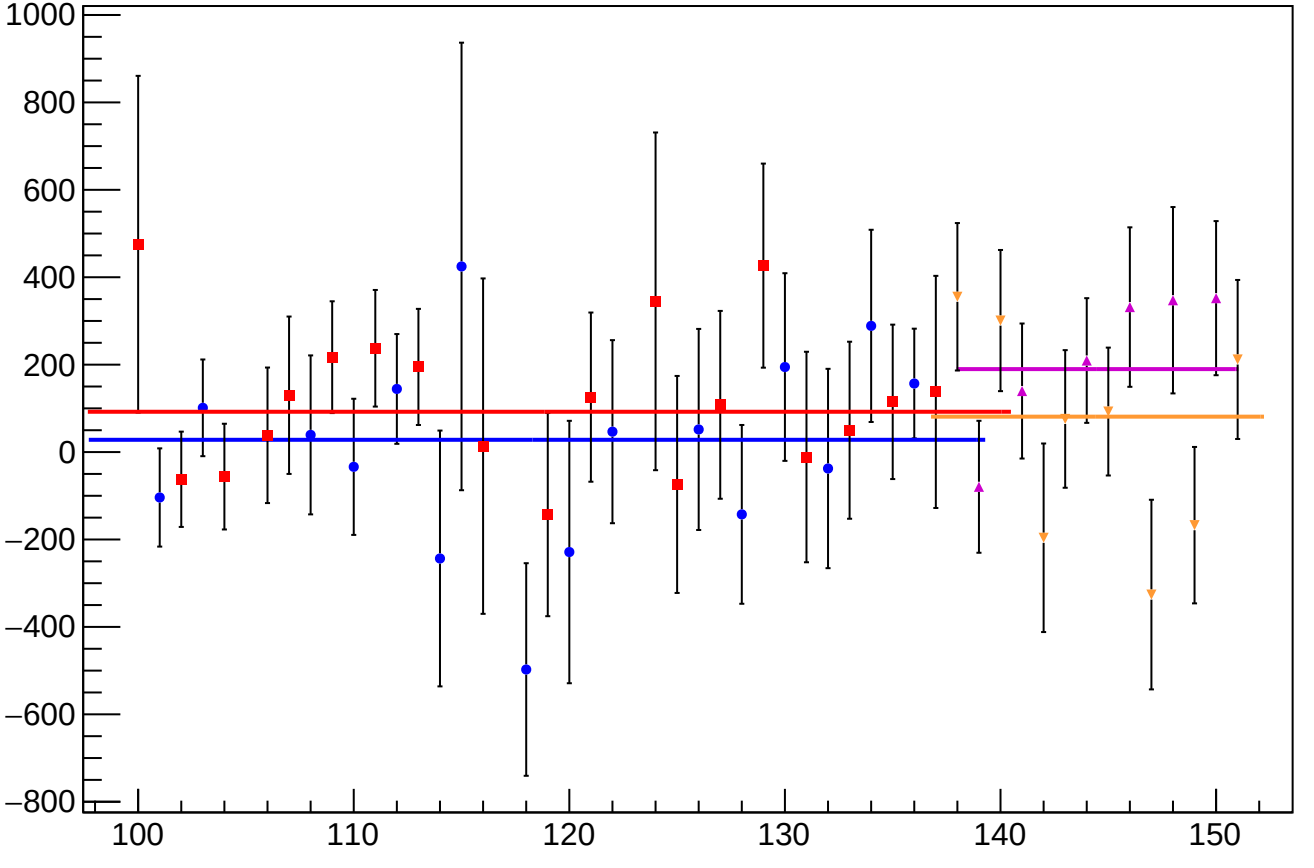
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 801.992+/-0.169 χ^2/NDF:2349588.4/21

Out: 769.494+/-0.156 χ^2/NDF:2661041.2/26

All: 784.438+/-0.115 χ^2/NDF: 5030535.0/48

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.037+/-61.457 χ^2/NDF:12.1/7

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 189.830+/-67.547 χ^2/NDF:5.3/5

Left: 130.309+/-45.458 χ^2/NDF: 18.8/13

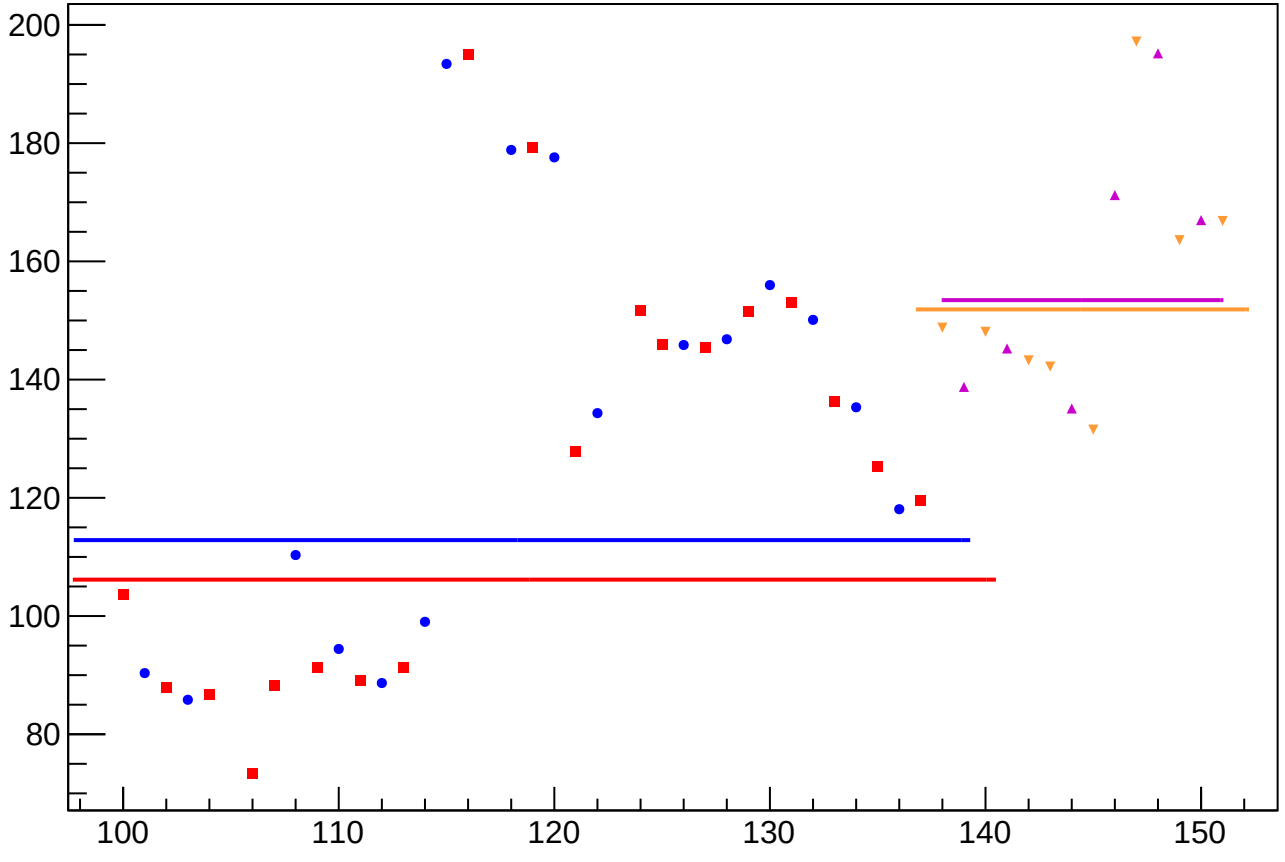
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 75.412+/-36.536 χ^2/NDF:22.9/21

Out: 88.848+/-33.840 χ^2/NDF:23.8/26

All: 82.644+/-24.827 χ^2/NDF: 46.8/48

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 151.874+/-0.043 χ^2/NDF:160521.7/7

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 153.445+/-0.048 χ^2/NDF:165018.7/5

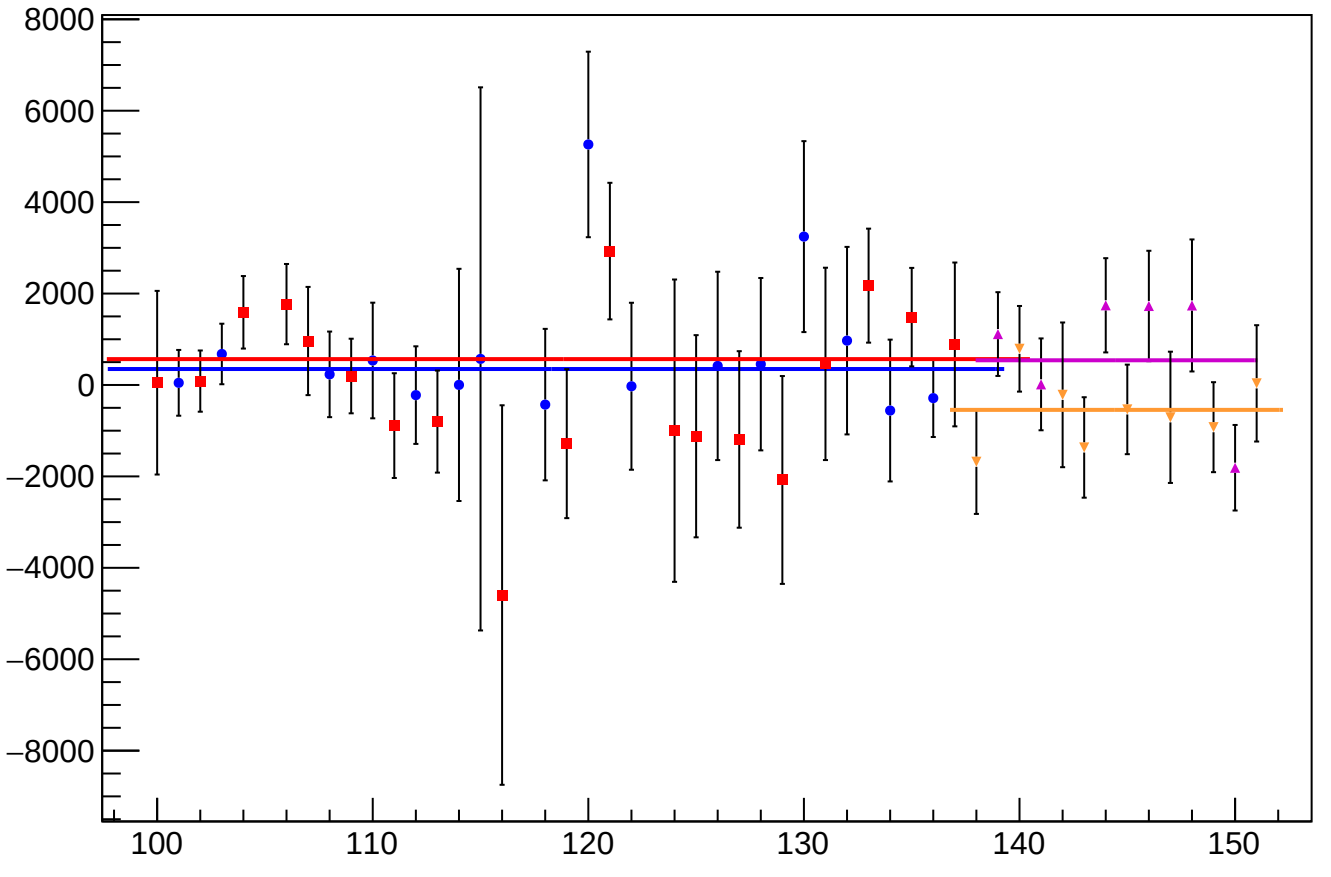
Left: 152.586+/-0.032 χ^2/NDF: 326131.8/13

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 124.721+/-0.026 χ^2/NDF:1548450.2/21

Out: 120.019+/-0.024 χ^2/NDF:1933809.1/26

All: 122.190+/-0.018 χ^2/NDF: 3500091.1/48



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -544.653+/-398.048 χ^2/NDF:4.0/7

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 540.227+/-429.159 χ^2/NDF:10.0/5

Left: -42.958+/-291.842 χ^2/NDF: 17.4/13

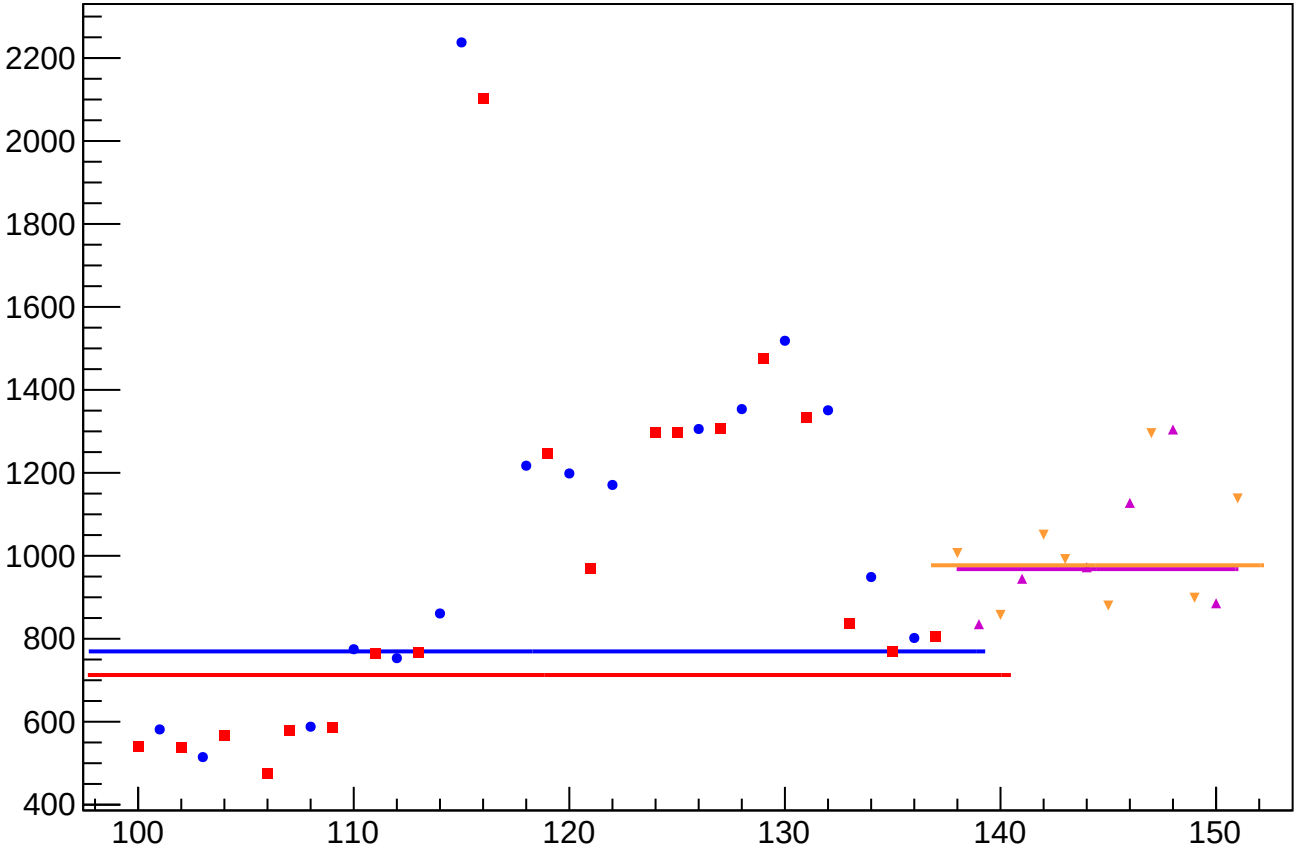
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 413.339+/-248.788 χ^2/NDF:19.9/21

Out: 199.740+/-228.587 χ^2/NDF:27.5/26

All: 297.517+/-168.325 χ^2/NDF: 47.9/48

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 977.170+/-0.281 χ^2/NDF:201422.0/7

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 967.948+/-0.303 χ^2/NDF:202193.7/5

Left: 972.906+/-0.206 χ^2/NDF: 404112.2/13

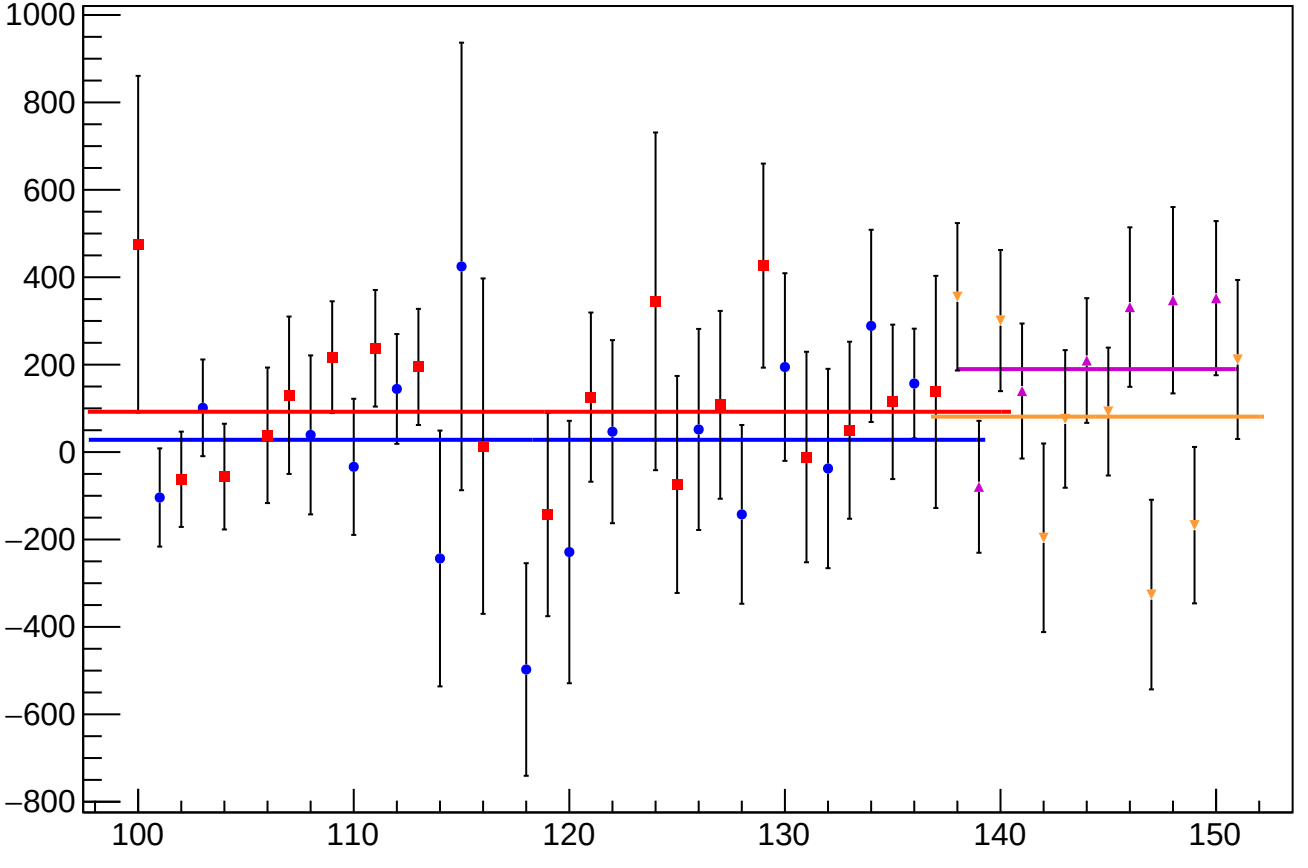
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 836.229+/-0.176 χ^2/NDF:2225898.2/21

Out: 799.871+/-0.162 χ^2/NDF:2560704.4/26

All: 816.514+/-0.119 χ^2/NDF: 4809765.0/48

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.038+/-61.457 χ^2/NDF:12.1/7

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 189.832+/-67.548 χ^2/NDF:5.3/5

Left: 130.310+/-45.458 χ^2/NDF: 18.8/13

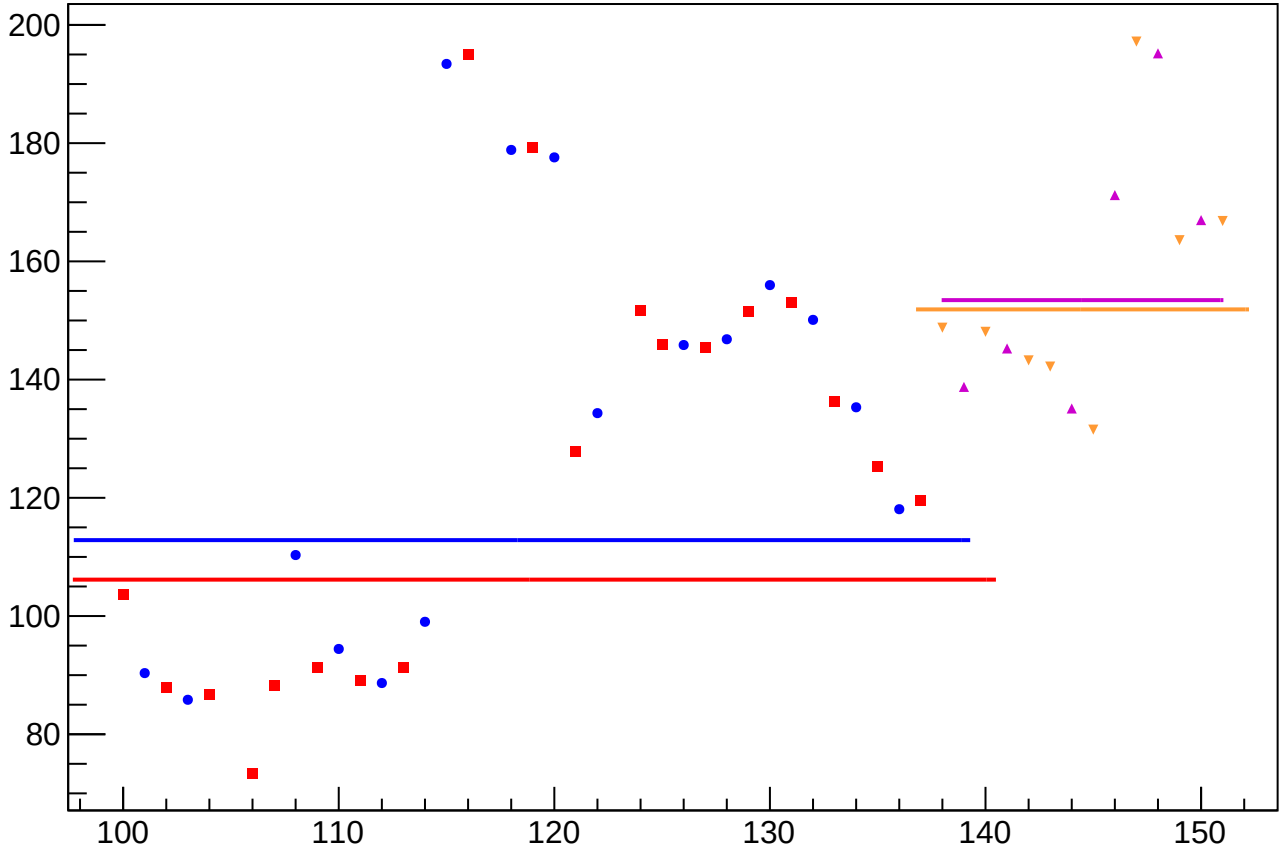
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 75.412+/-36.536 χ^2/NDF:22.9/21

Out: 88.849+/-33.840 χ^2/NDF:23.8/26

All: 82.644+/-24.827 χ^2/NDF: 46.8/48

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 151.875+/-0.043 χ^2/NDF:160524.1/7

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 153.445+/-0.048 χ^2/NDF:165018.7/5

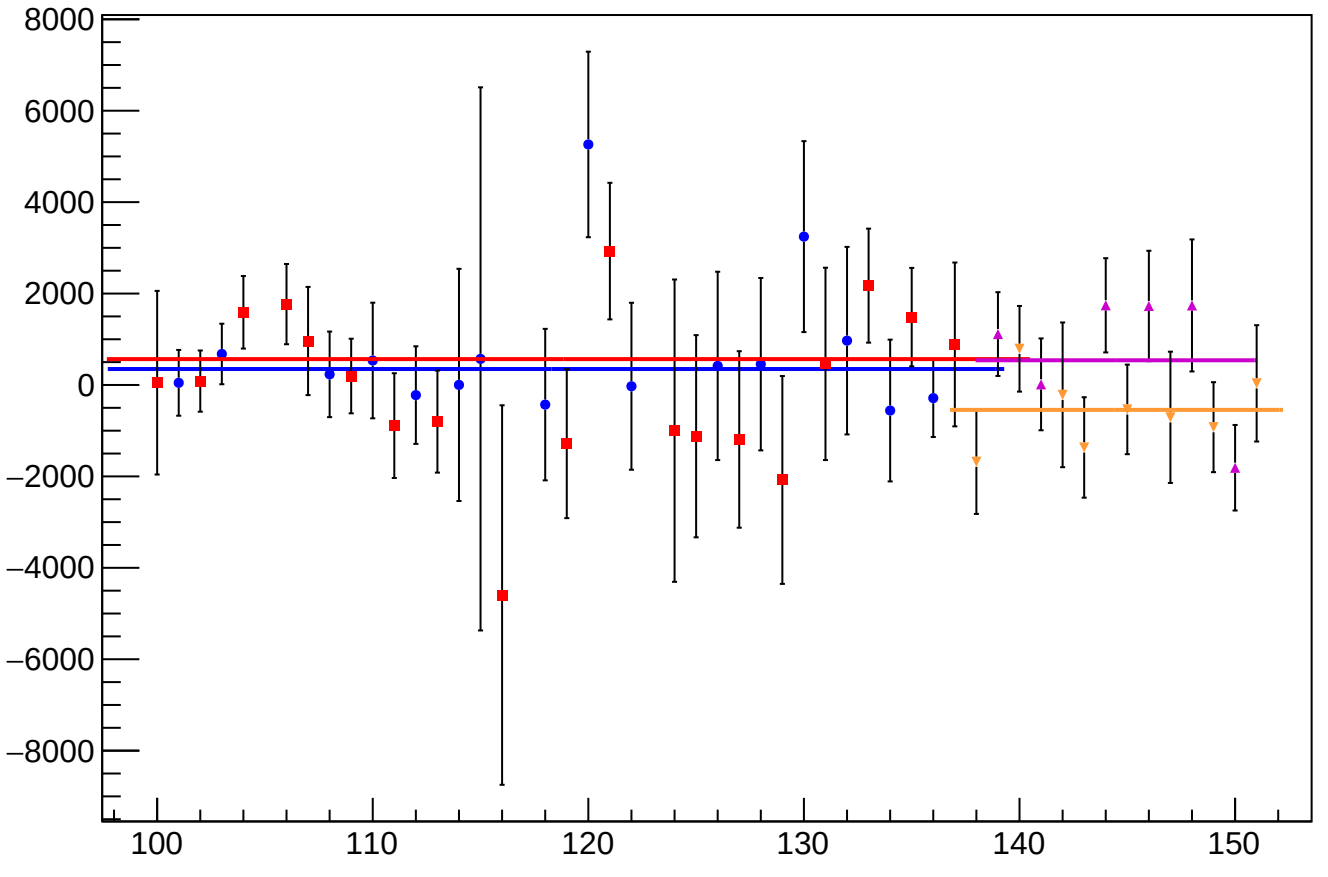
Left: 152.586+/-0.032 χ^2/NDF: 326134.5/13

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 124.721+/-0.026 χ^2/NDF:1548463.8/21

Out: 120.019+/-0.024 χ^2/NDF:1933815.9/26

All: 122.190+/-0.018 χ^2/NDF: 3500111.4/48



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -544.653+/-398.048 χ^2/NDF:4.0/7

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 540.229+/-429.160 χ^2/NDF:10.0/5

Left: -42.957+/-291.842 χ^2/NDF: 17.4/13

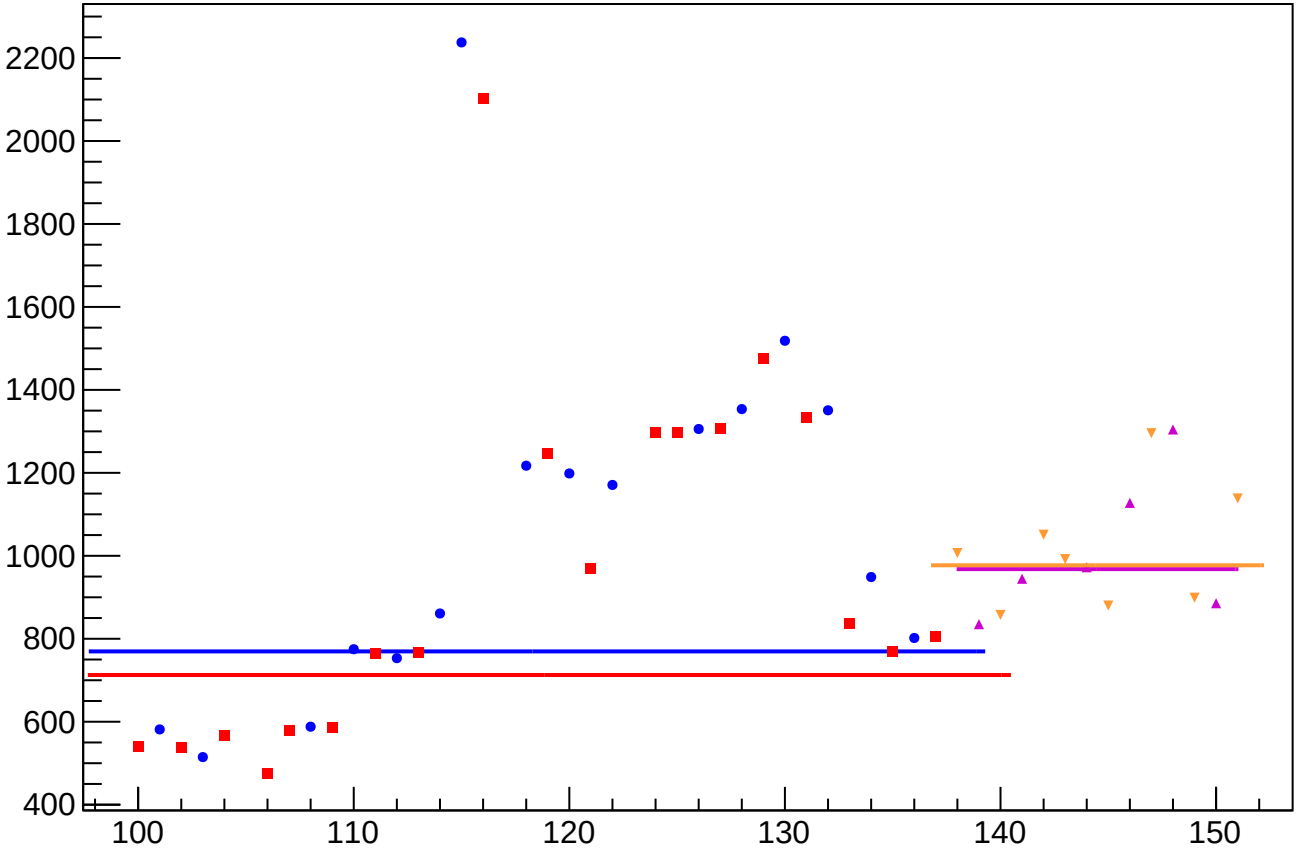
Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 413.339+/-248.788 χ^2/NDF:19.9/21

Out: 199.742+/-228.587 χ^2/NDF:27.5/26

All: 297.517+/-168.325 χ^2/NDF: 47.9/48

asym_sam5_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 977.172+/-0.281 χ^2/NDF:201421.7/7

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 967.950+/-0.303 χ^2/NDF:202193.6/5

Left: 972.908+/-0.206 χ^2/NDF: 404111.7/13

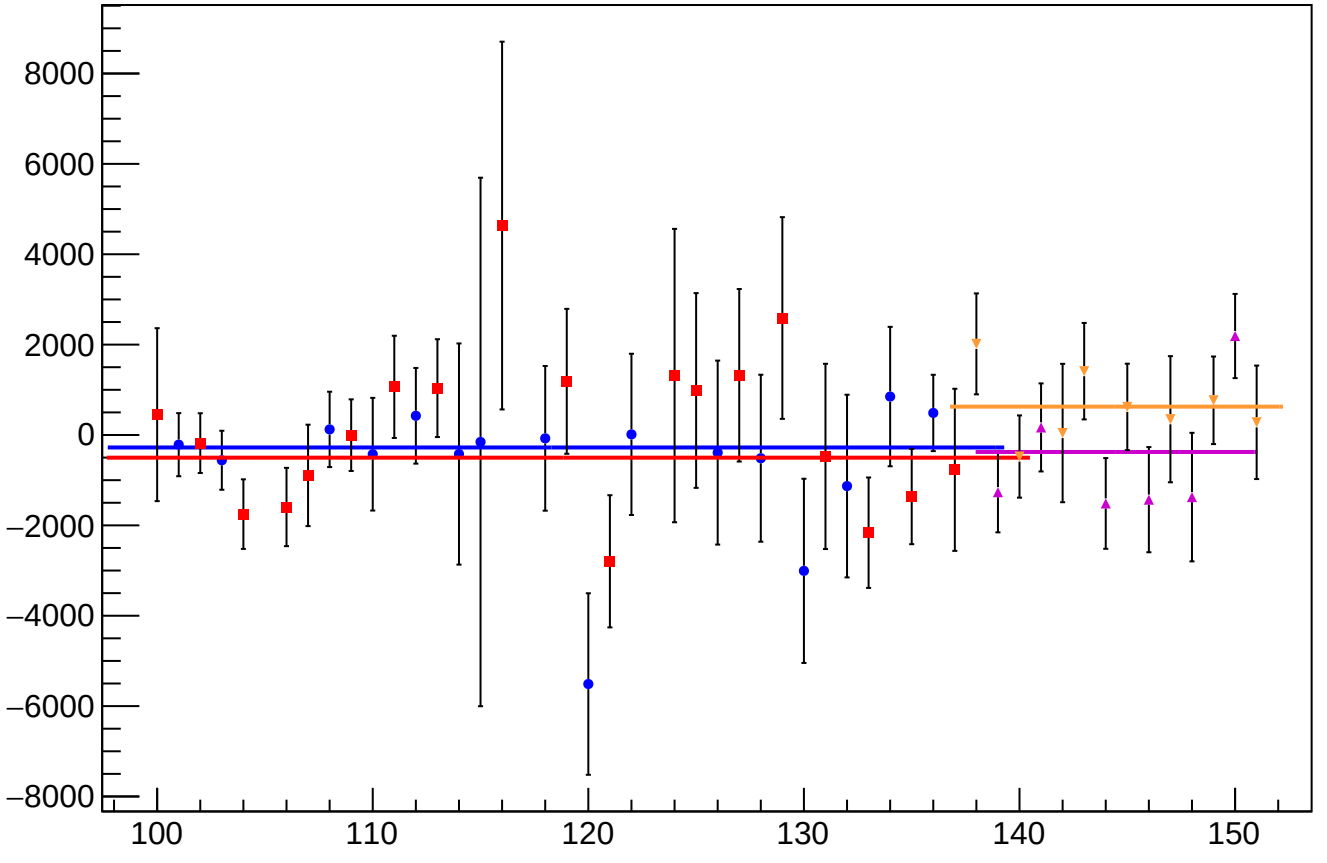
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 836.229+/-0.176 χ^2/NDF:2225904.0/21

Out: 799.870+/-0.162 χ^2/NDF:2560709.4/26

All: 816.514+/-0.119 χ^2/NDF: 4809776.0/48

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 627.405+/-388.731 χ^2/NDF:3.8/7

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -375.870+/-419.044 χ^2/NDF:11.5/5

Left: 163.365+/-284.989 χ^2/NDF: 18.4/13

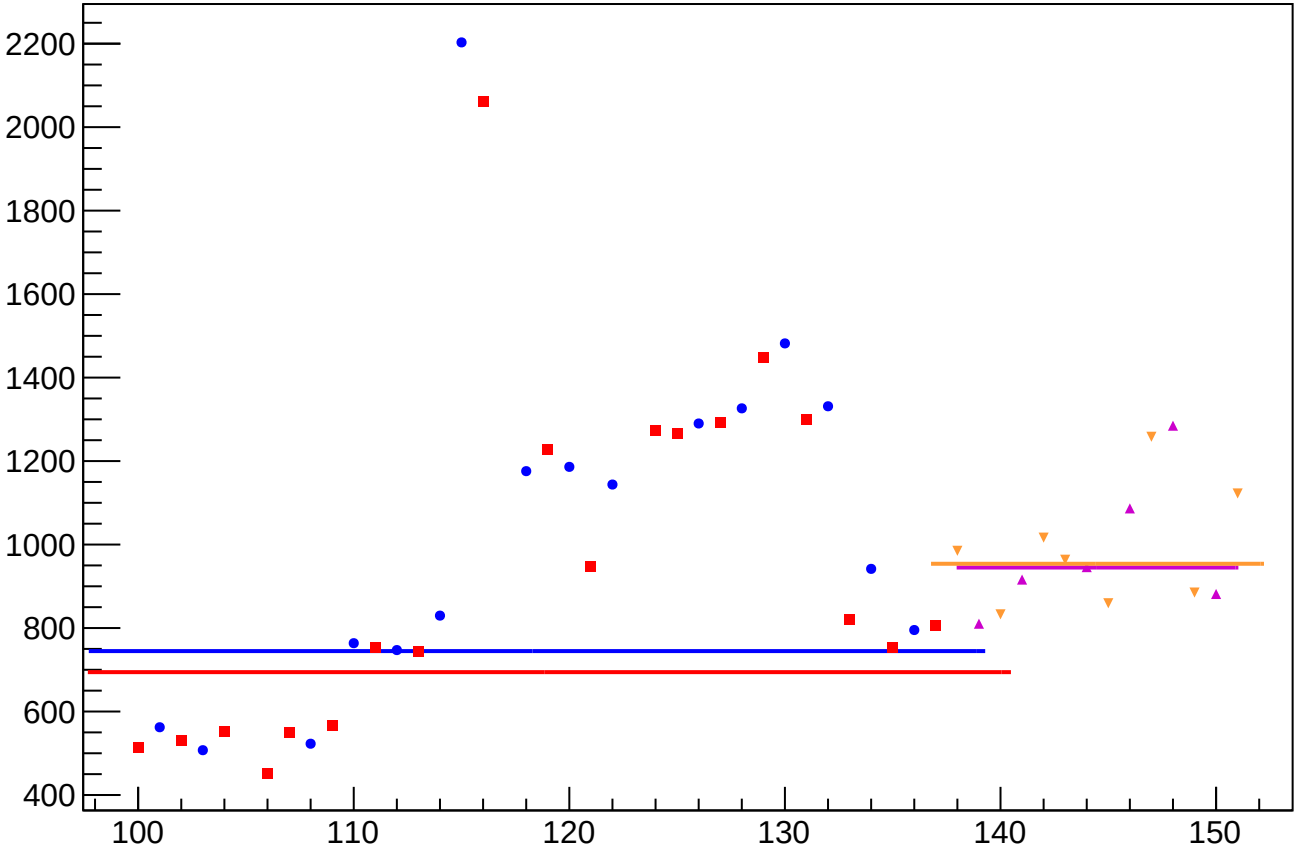
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -309.482+/-242.153 χ^2/NDF:22.6/21

Out: -128.965+/-223.405 χ^2/NDF:30.0/26

All: -211.966+/-164.199 χ^2/NDF: 52.9/48

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 953.985+/-0.275 χ^2/NDF:201181.3/7

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 944.970+/-0.296 χ^2/NDF:200612.5/5

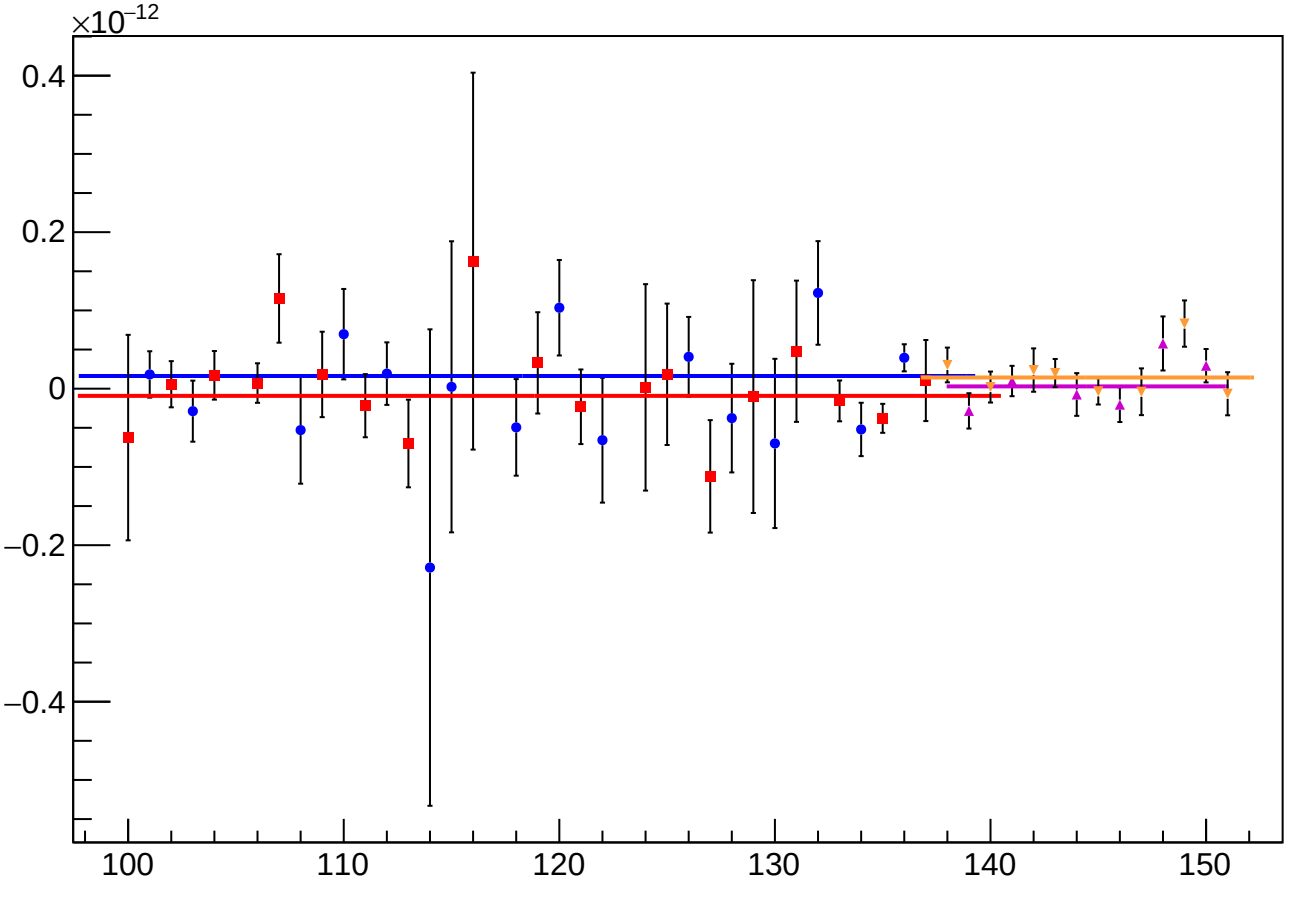
Left: 949.816+/-0.202 χ^2/NDF: 402291.4/13

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 811.632+/-0.171 χ^2/NDF:2327185.9/21

Out: 780.102+/-0.158 χ^2/NDF:2602448.7/26

All: 794.599+/-0.116 χ^2/NDF: 4947950.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/5

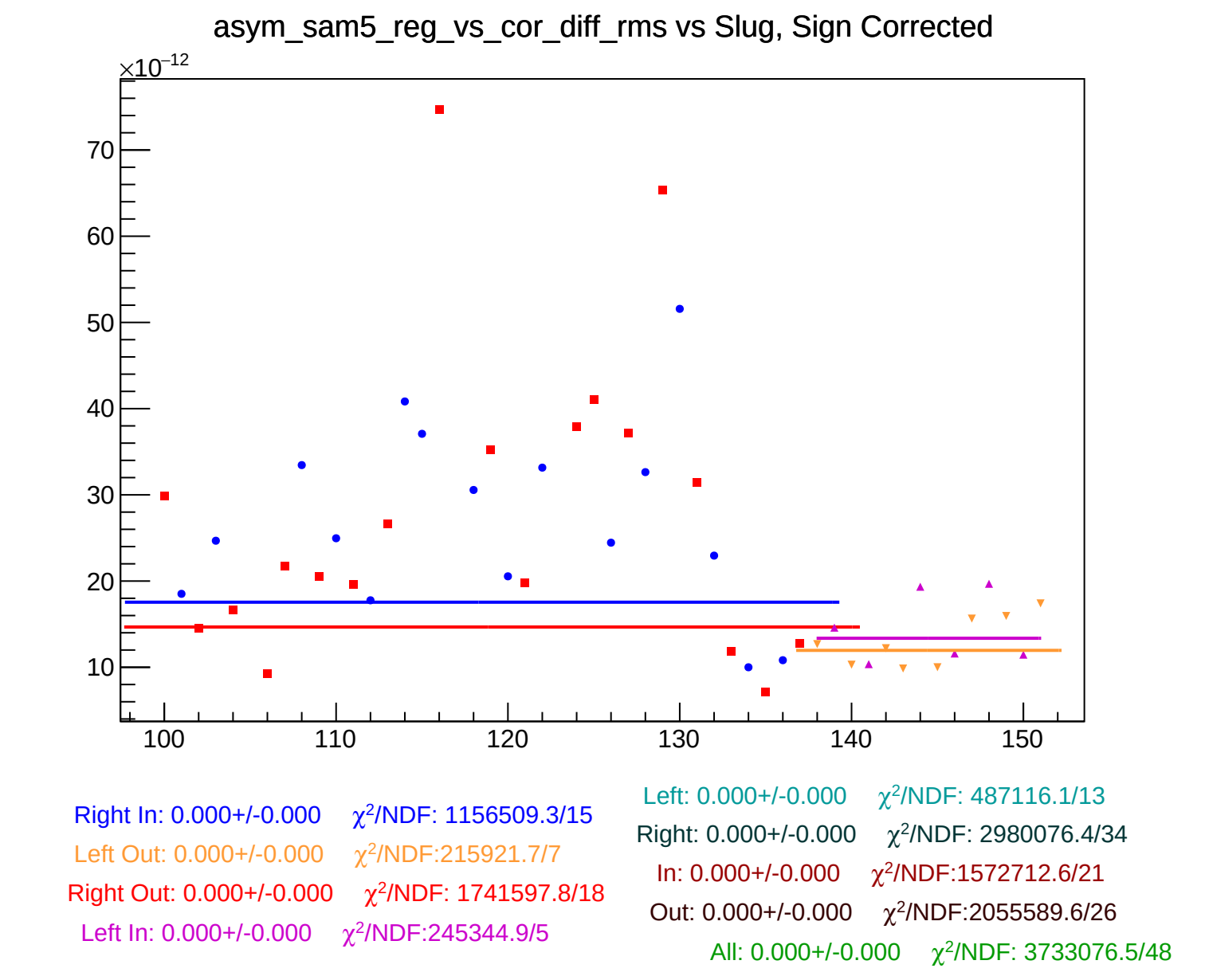
Left: 0.000+/-0.000 χ^2/NDF: 16.8/13

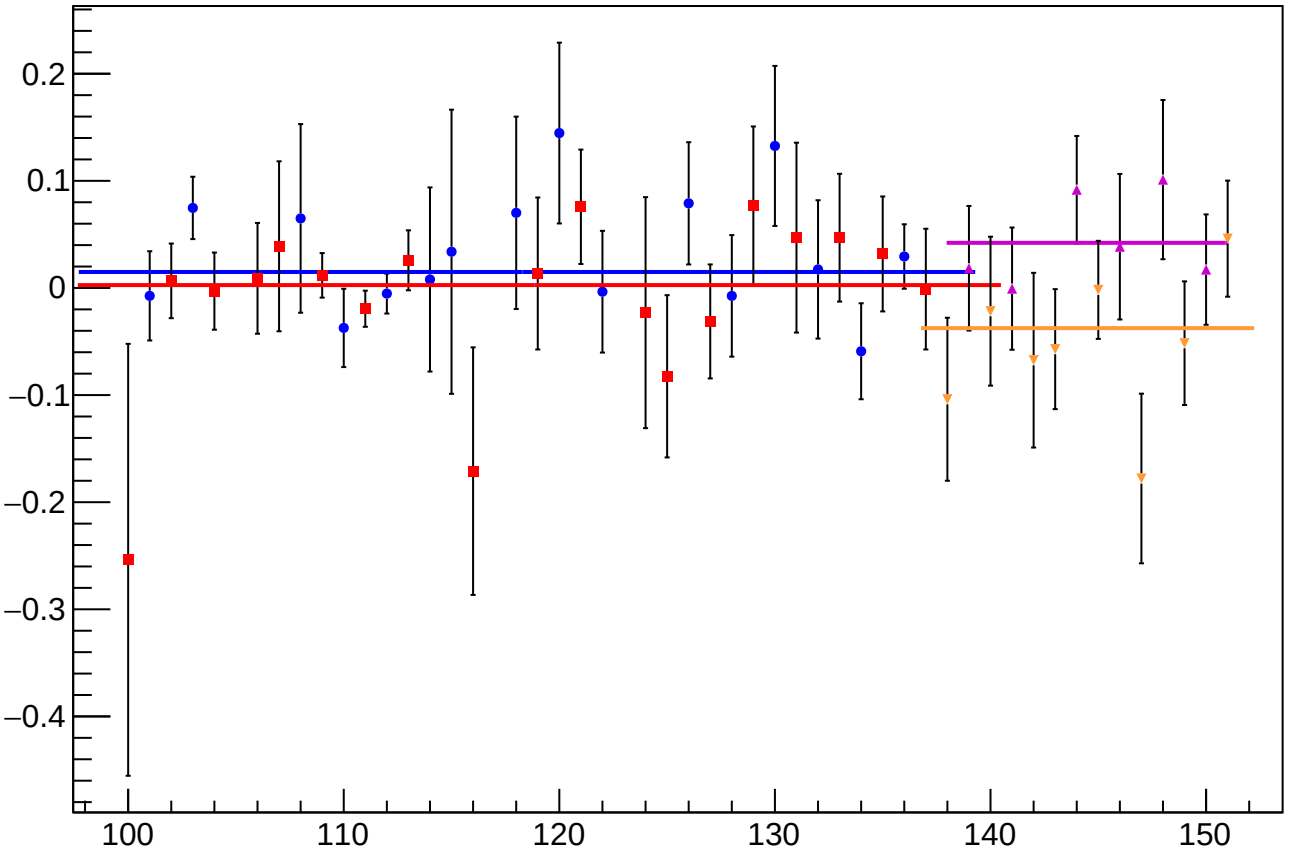
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:26.2/21

Out: 0.000+/-0.000 χ^2/NDF:26.4/26

All: 0.000+/-0.000 χ^2/NDF: 52.8/48


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:215921.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:245344.9/5
Left: 0.000+/-0.000 χ²/NDF: 487116.1/13
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1572712.6/21
Out: 0.000+/-0.000 χ²/NDF:2055589.6/26
All: 0.000+/-0.000 χ²/NDF: 3733076.5/48



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.022 χ^2/NDF:7.3/7

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.024 χ^2/NDF:2.6/5

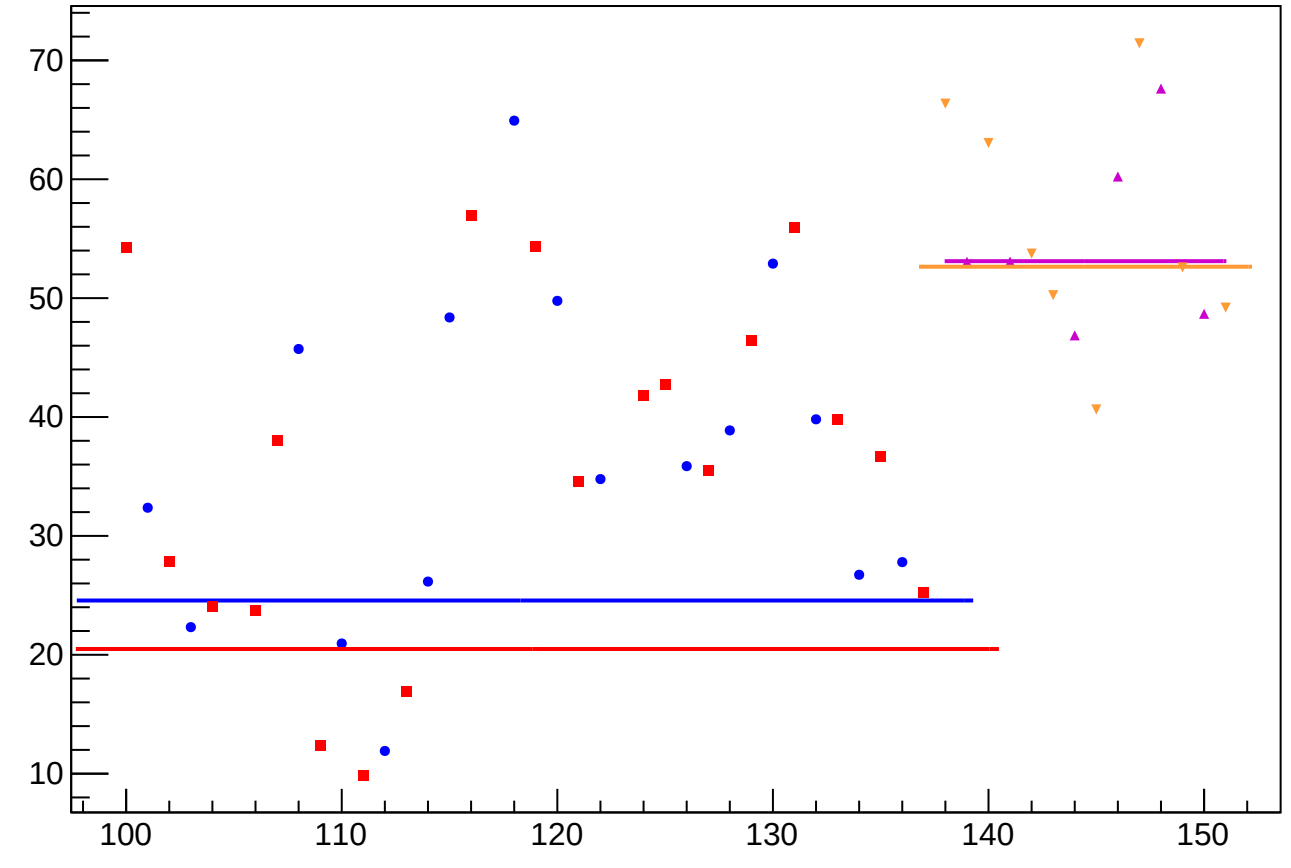
Left: -0.001+/-0.016 χ^2/NDF: 16.0/13

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.019+/-0.010 χ^2/NDF:21.4/21

Out: -0.003+/-0.008 χ^2/NDF:22.6/26

All: 0.006+/-0.006 χ^2/NDF: 47.2/48



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372106.9/7

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.110+/-0.017 χ^2/NDF:143937.0/5

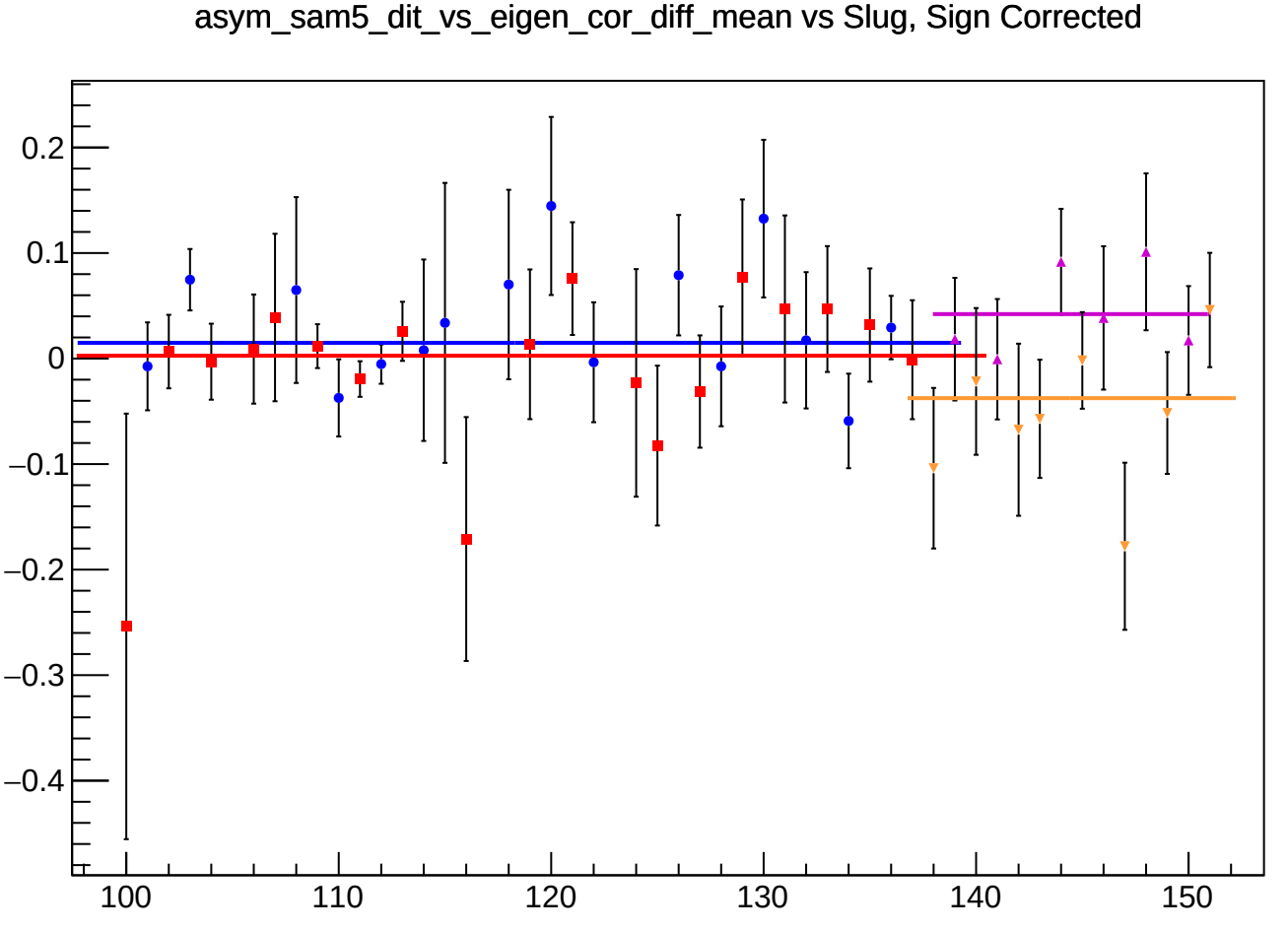
Left: 52.855+/-0.011 χ^2/NDF: 516466.4/13

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 29.302+/-0.007 χ^2/NDF:5040344.6/21

Out: 25.416+/-0.006 χ^2/NDF:7679607.5/26

All: 27.108+/-0.005 χ^2/NDF: 12902308.9/48



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.022 χ^2/NDF:7.3/7

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.024 χ^2/NDF:2.6/5

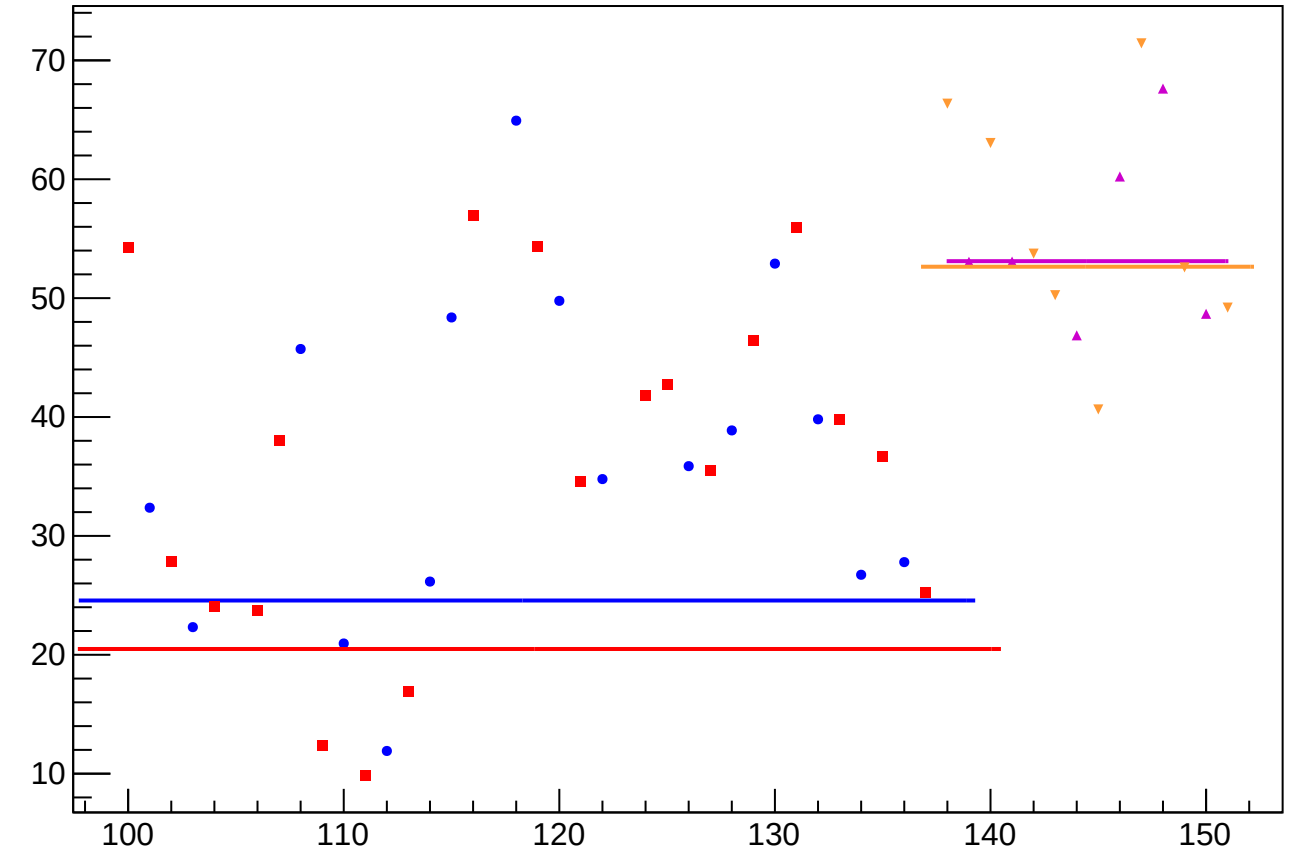
Left: -0.001+/-0.016 χ^2/NDF: 16.0/13

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.019+/-0.010 χ^2/NDF:21.4/21

Out: -0.003+/-0.008 χ^2/NDF:22.6/26

All: 0.006+/-0.006 χ^2/NDF: 47.2/48



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372106.9/7

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 53.110+/-0.017 χ^2/NDF:143937.0/5

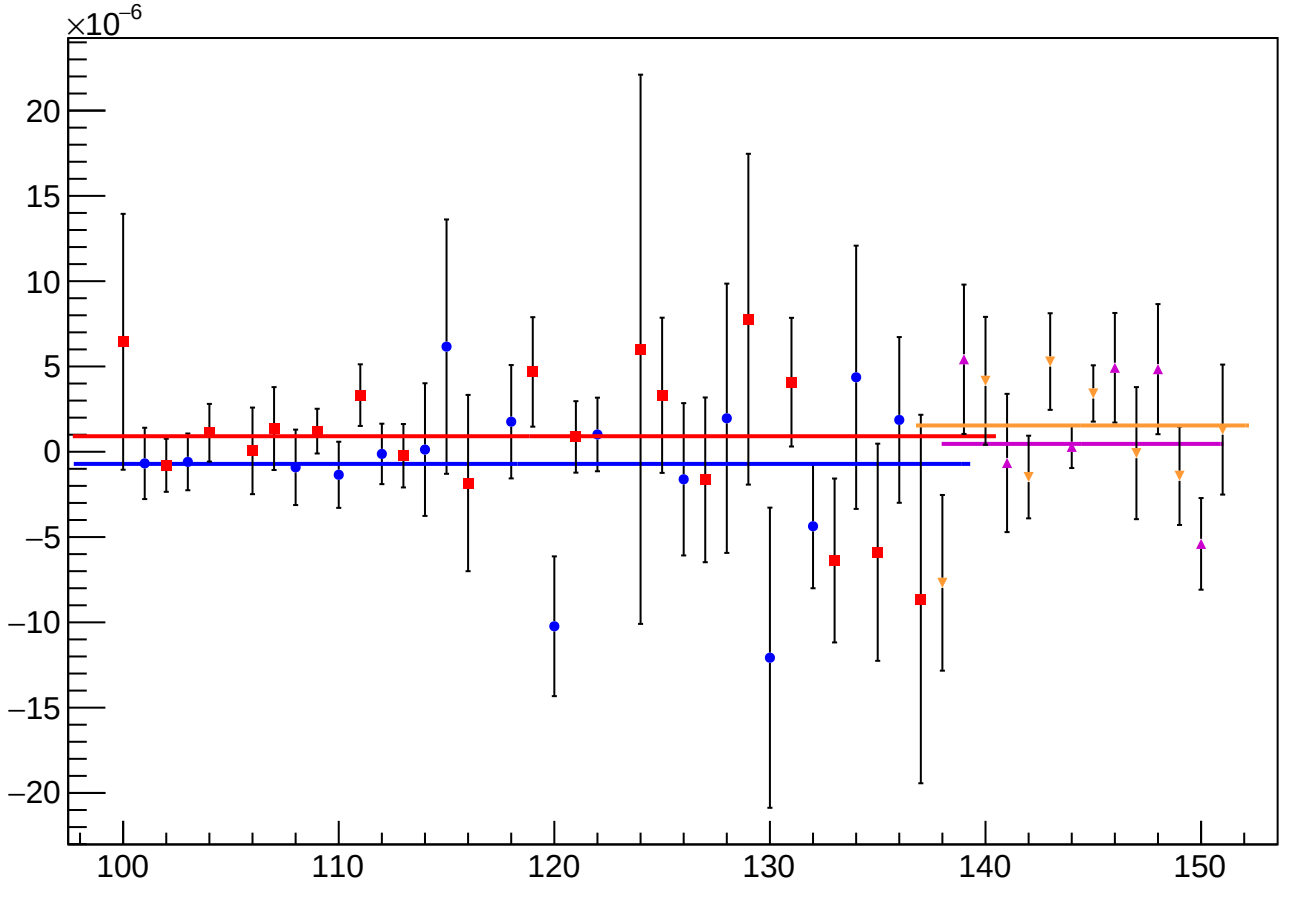
Left: 52.855+/-0.011 χ^2/NDF: 516466.4/13

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 29.302+/-0.007 χ^2/NDF:5040344.6/21

Out: 25.416+/-0.006 χ^2/NDF:7679607.5/26

All: 27.108+/-0.005 χ^2/NDF: 12902308.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/5

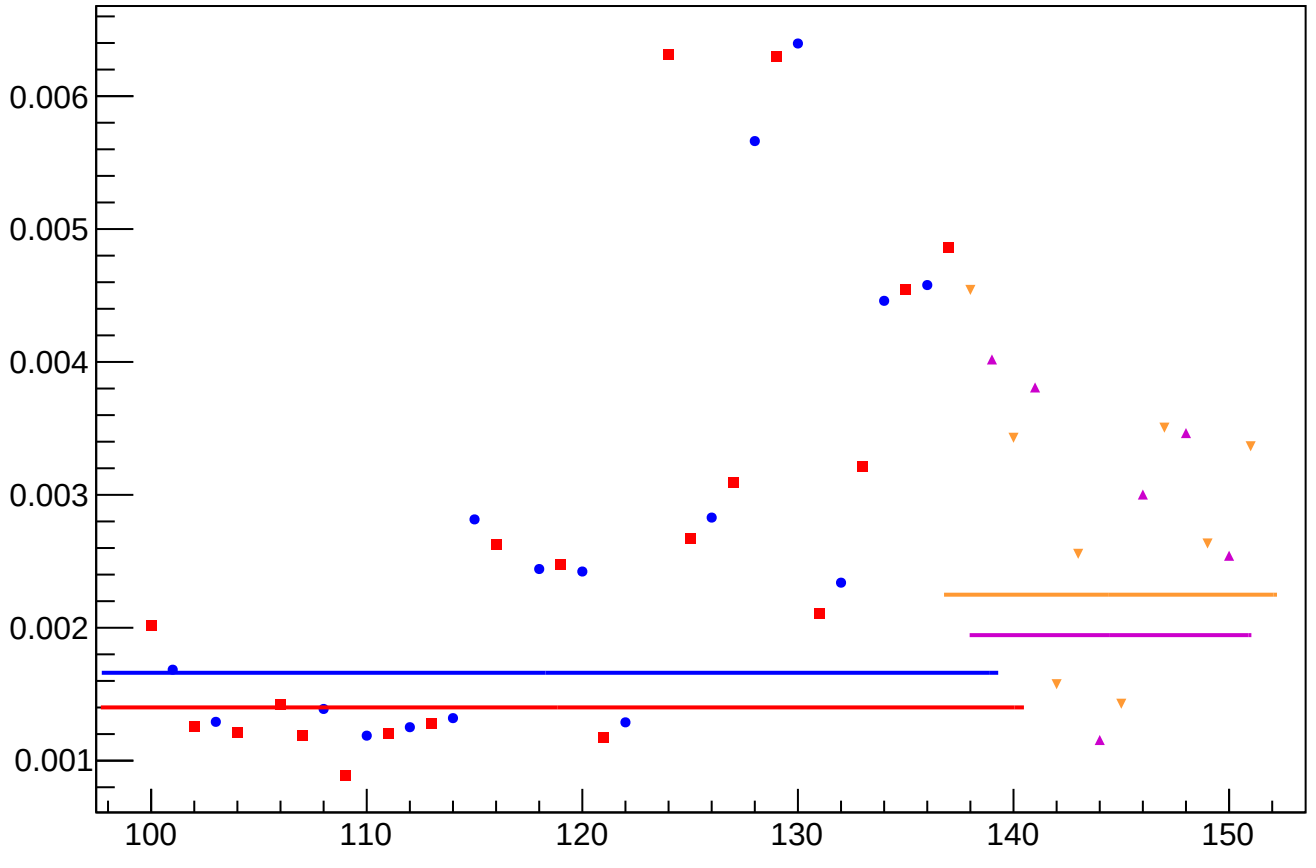
Left: 0.000+/-0.000 χ^2/NDF: 19.5/13

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:21.6/21

Out: 0.000+/-0.000 χ^2/NDF:21.7/26

All: 0.000+/-0.000 χ^2/NDF: 46.6/48



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1685727.6/7

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:2313648.1/5

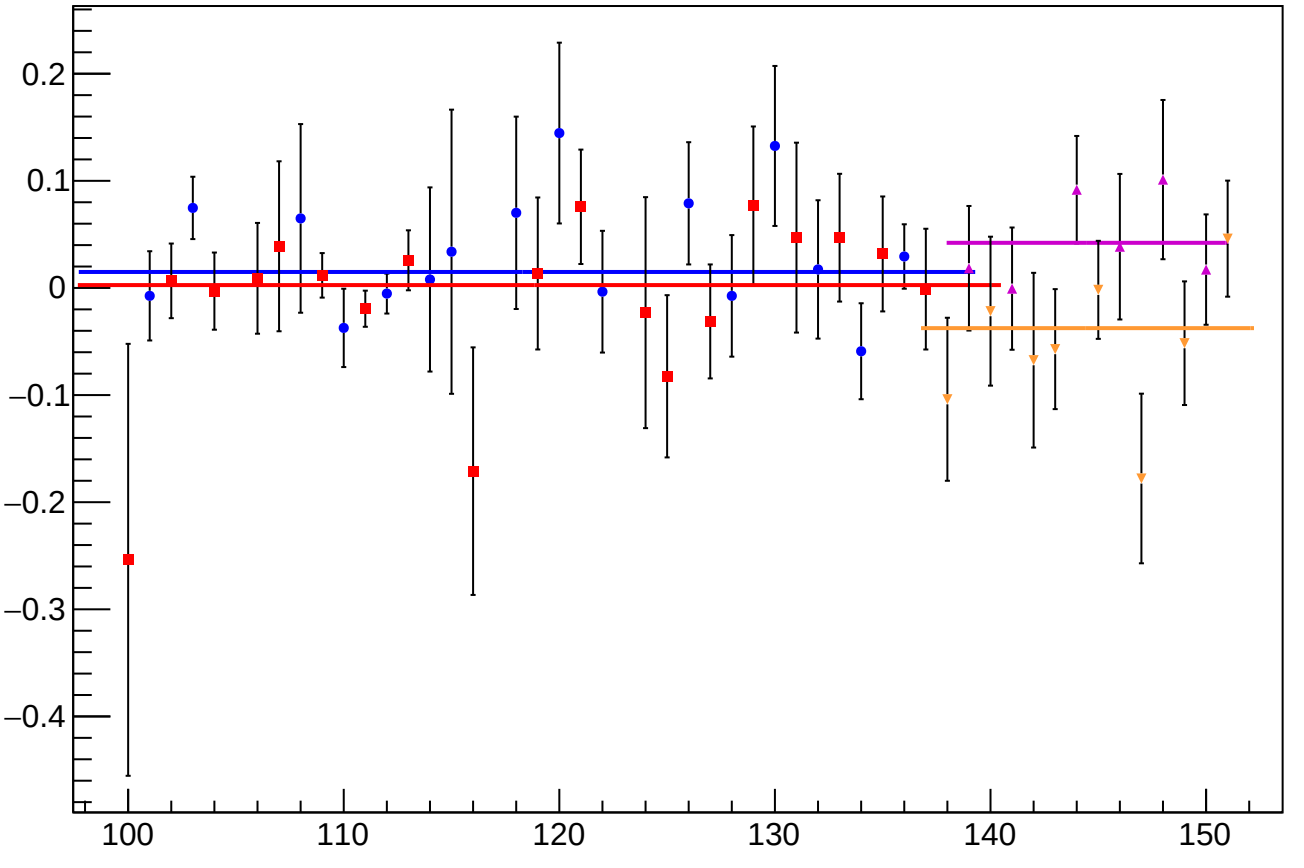
Left: 0.002+/-0.000 χ^2/NDF: 4096257.9/13

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:5368089.4/21

Out: 0.002+/-0.000 χ^2/NDF:5692206.2/26

All: 0.002+/-0.000 χ^2/NDF: 11124210.5/48



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.022 χ^2/NDF:7.3/7

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.024 χ^2/NDF:2.6/5

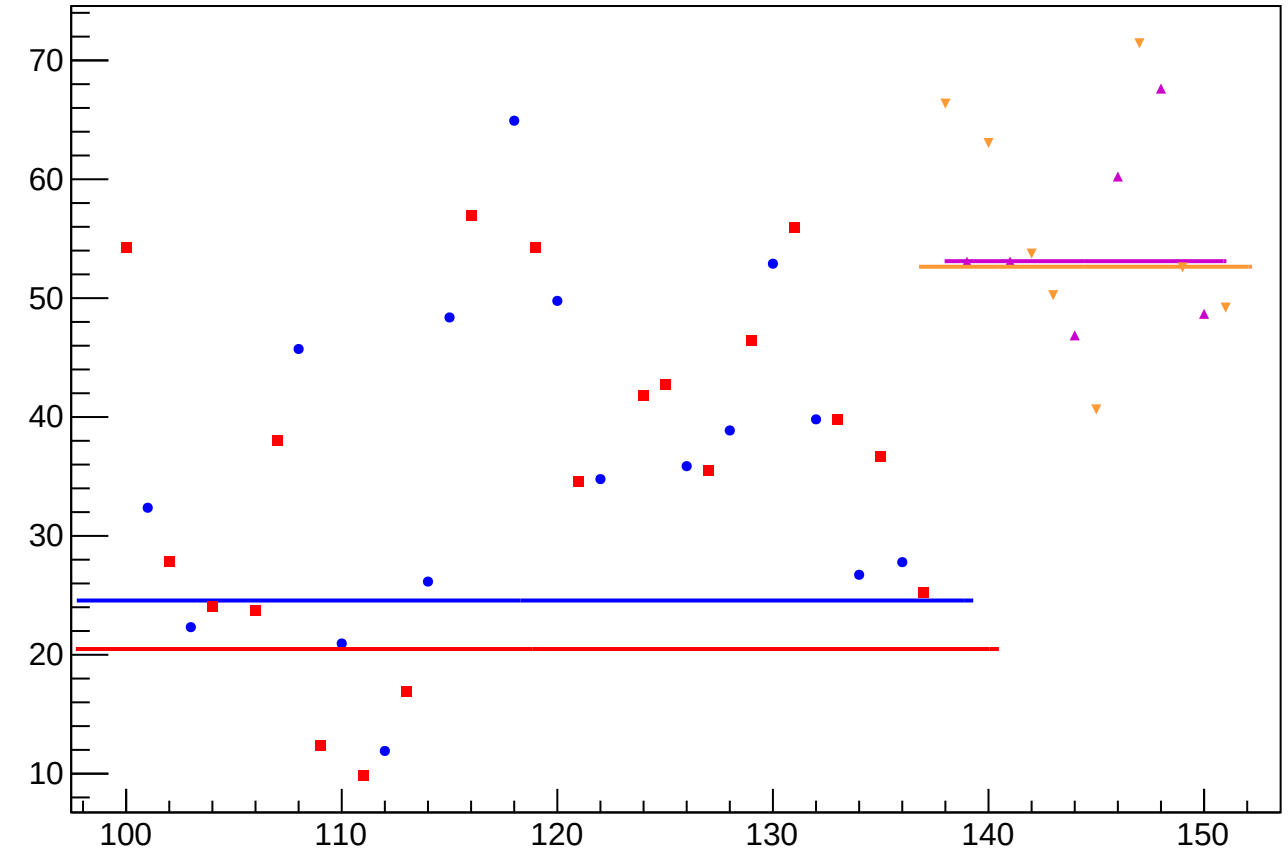
Left: -0.001+/-0.016 χ^2/NDF: 16.0/13

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.019+/-0.010 χ^2/NDF:21.4/21

Out: -0.003+/-0.008 χ^2/NDF:22.6/26

All: 0.006+/-0.006 χ^2/NDF: 47.2/48



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.643+/-0.015 χ^2/NDF:372164.4/7

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 53.111+/-0.017 χ^2/NDF:143953.6/5

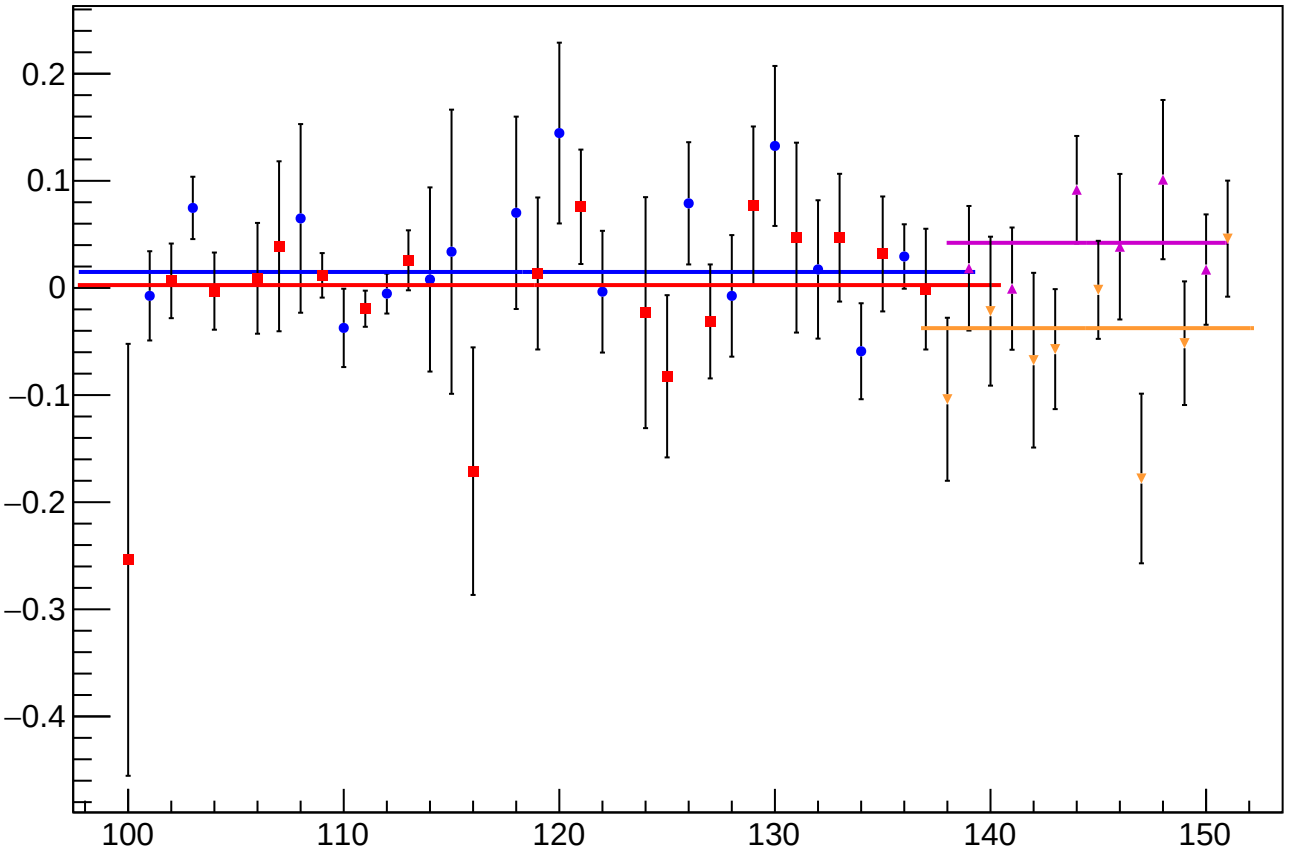
Left: 52.856+/-0.011 χ^2/NDF: 516542.4/13

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 29.301+/-0.007 χ^2/NDF:5040493.7/21

Out: 25.416+/-0.006 χ^2/NDF:7679789.9/26

All: 27.107+/-0.005 χ^2/NDF: 12902654.2/48



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.022 χ^2/NDF:7.3/7

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.024 χ^2/NDF:2.6/5

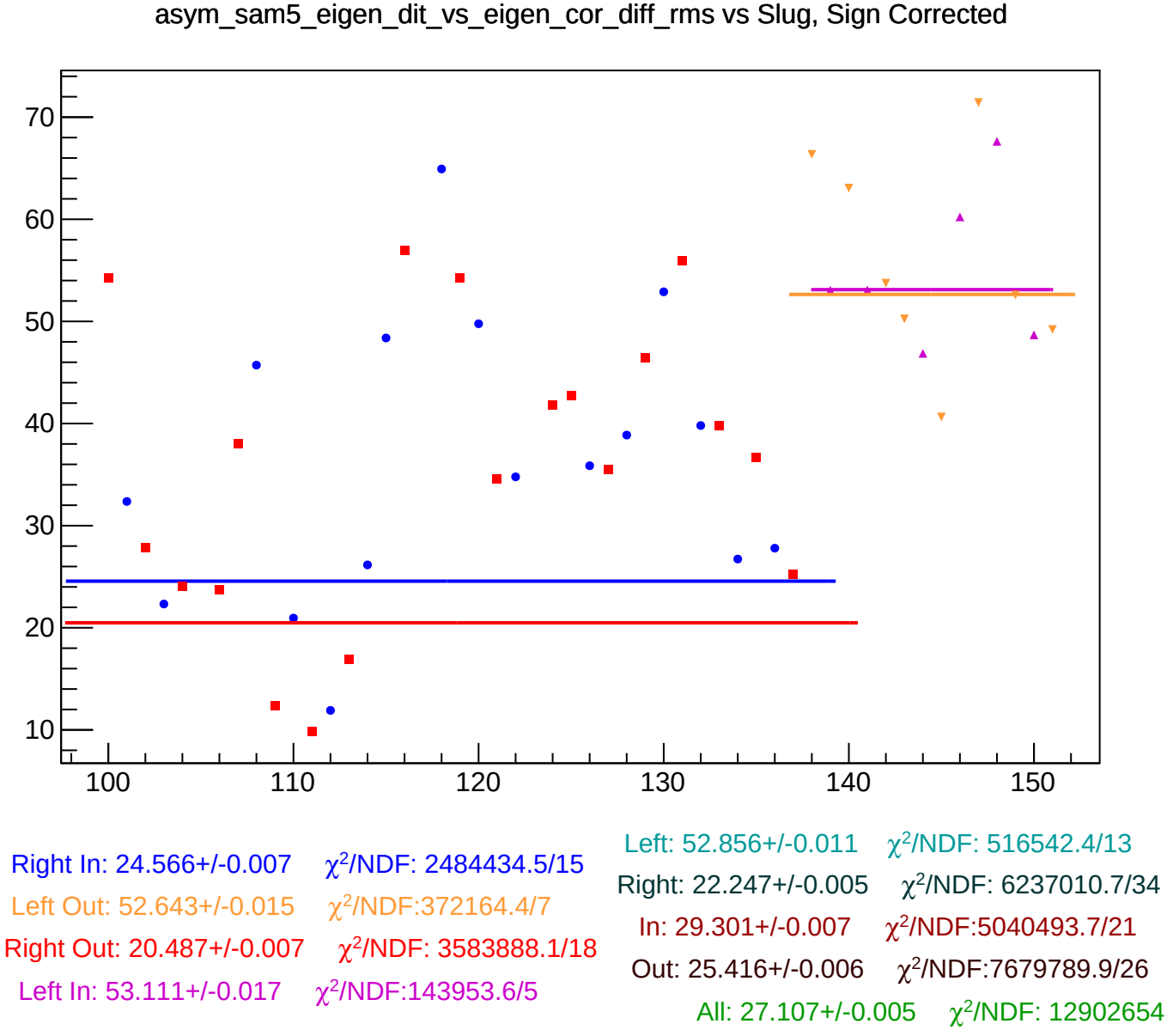
Left: -0.001+/-0.016 χ^2/NDF: 16.0/13

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.019+/-0.010 χ^2/NDF:21.4/21

Out: -0.003+/-0.008 χ^2/NDF:22.6/26

All: 0.006+/-0.006 χ^2/NDF: 47.2/48


asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
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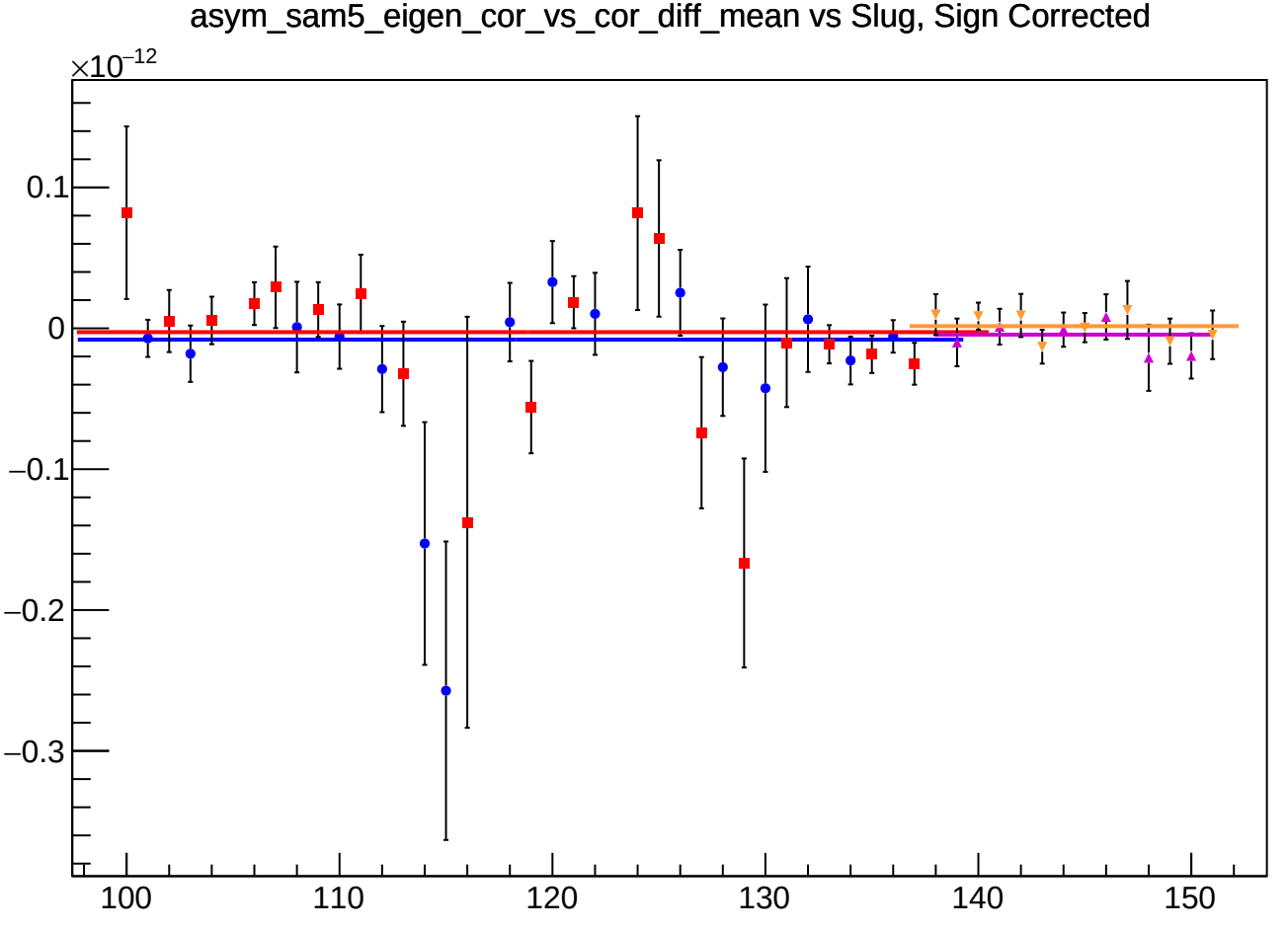
20
10
100
110
120
130
140
150
Right In: 24.566+/-0.007 χ²/NDF: 2484434.5/15
Left Out: 52.643+/-0.015 χ²/NDF:372164.4/7
Right Out: 20.487+/-0.007 χ²/NDF: 3583888.1/18
Left In: 53.111+/-0.017 χ²/NDF:143953.6/5
Left: 52.856+/-0.011 χ²/NDF: 516542.4/13
Right: 22.247+/-0.005 χ²/NDF: 6237010.7/34
In: 29.301+/-0.007 χ²/NDF:5040493.7/21
Out: 25.416+/-0.006 χ²/NDF:7679789.9/26
All: 27.107+/-0.005 χ²/NDF: 12902654.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/5

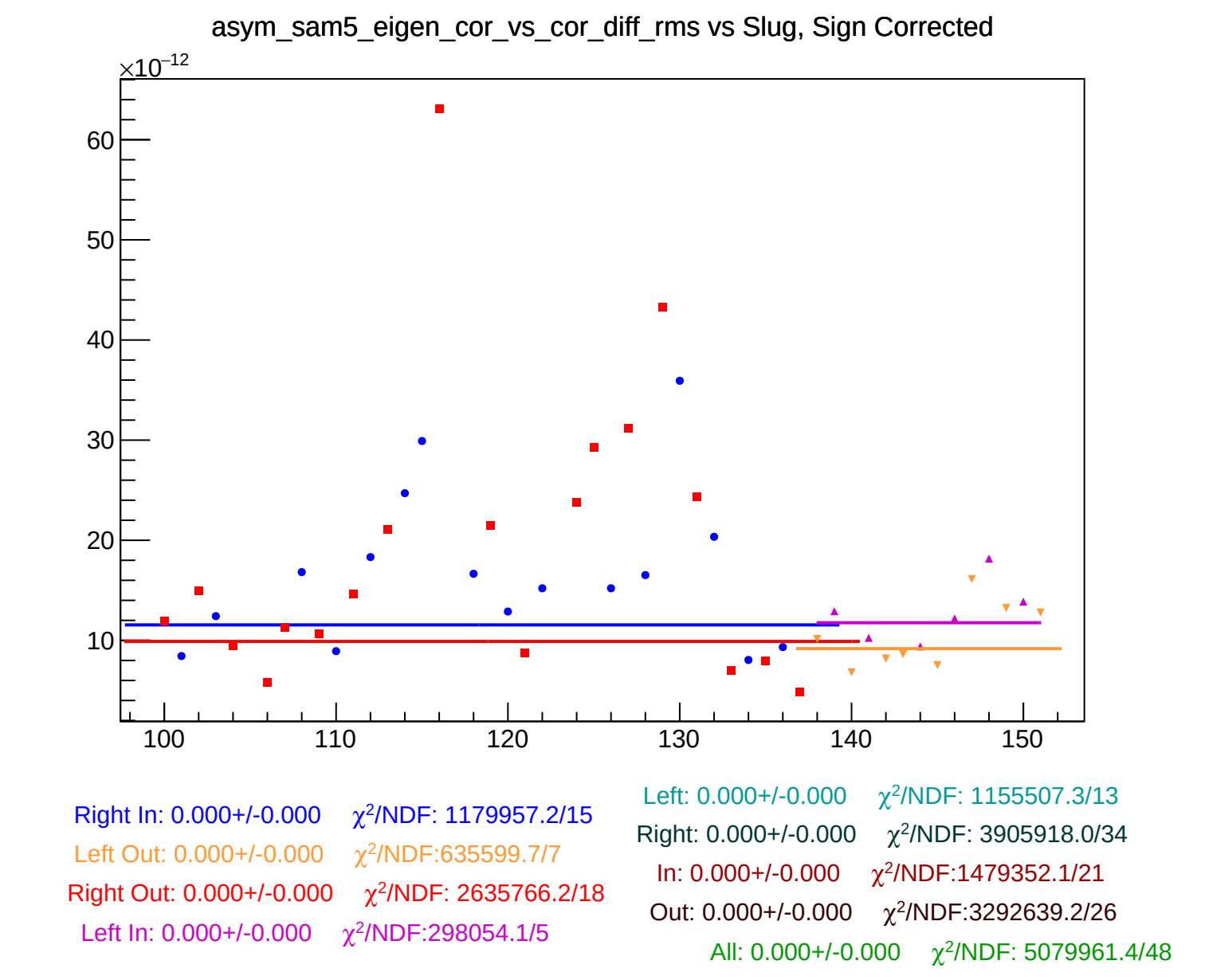
Left: -0.000+/-0.000 χ^2/NDF: 6.4/13

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:17.1/21

Out: -0.000+/-0.000 χ^2/NDF:29.9/26

All: -0.000+/-0.000 χ^2/NDF: 48.2/48


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
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20
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100
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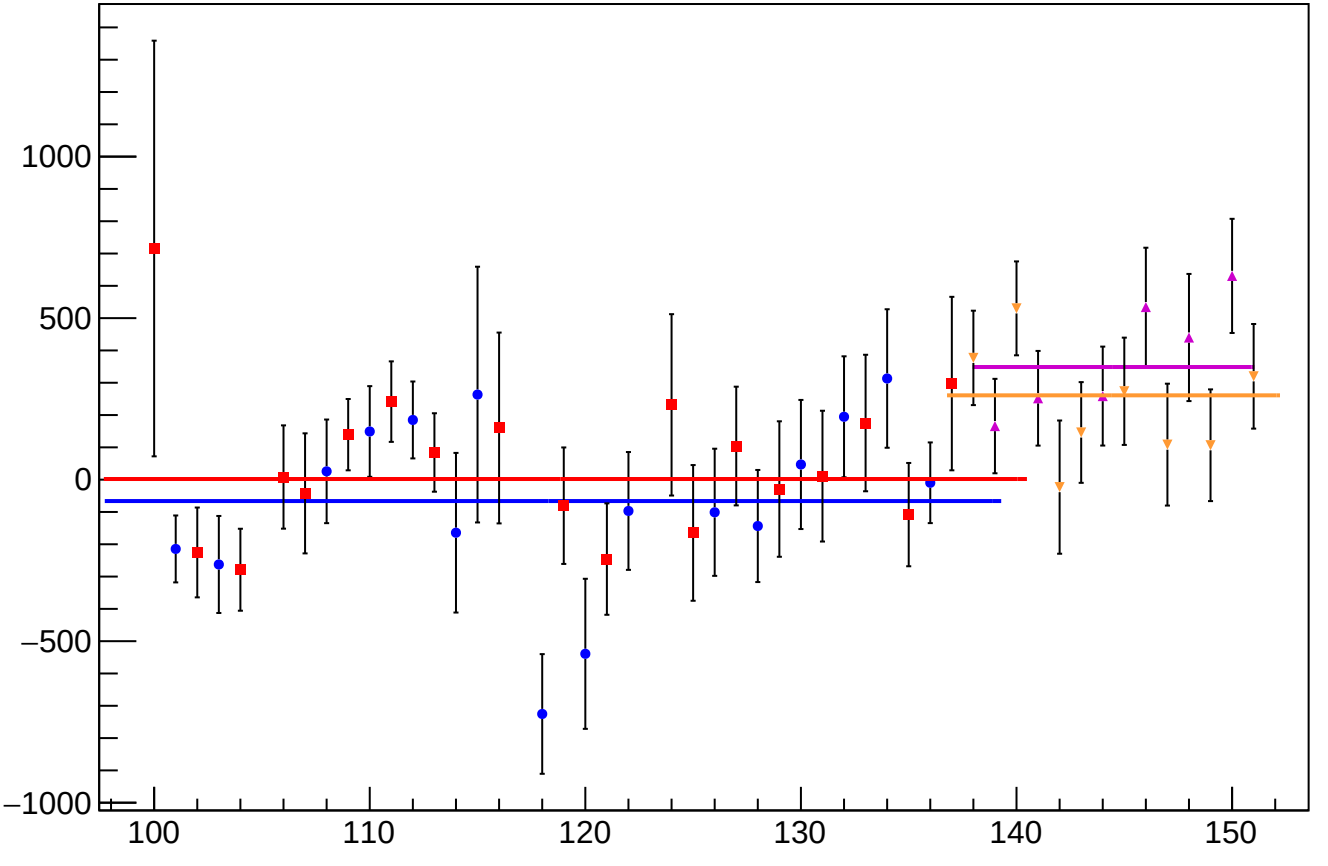
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:635599.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:298054.1/5
Left: 0.000+/-0.000 χ²/NDF: 1155507.3/13
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1479352.1/21
Out: 0.000+/-0.000 χ²/NDF:3292639.2/26
All: 0.000+/-0.000 χ²/NDF: 5079961.4/48

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 261.041+/-58.245 χ^2/NDF:8.1/7

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 348.714+/-66.889 χ^2/NDF:6.1/5

Left: 298.851+/-43.926 χ^2/NDF: 15.2/13

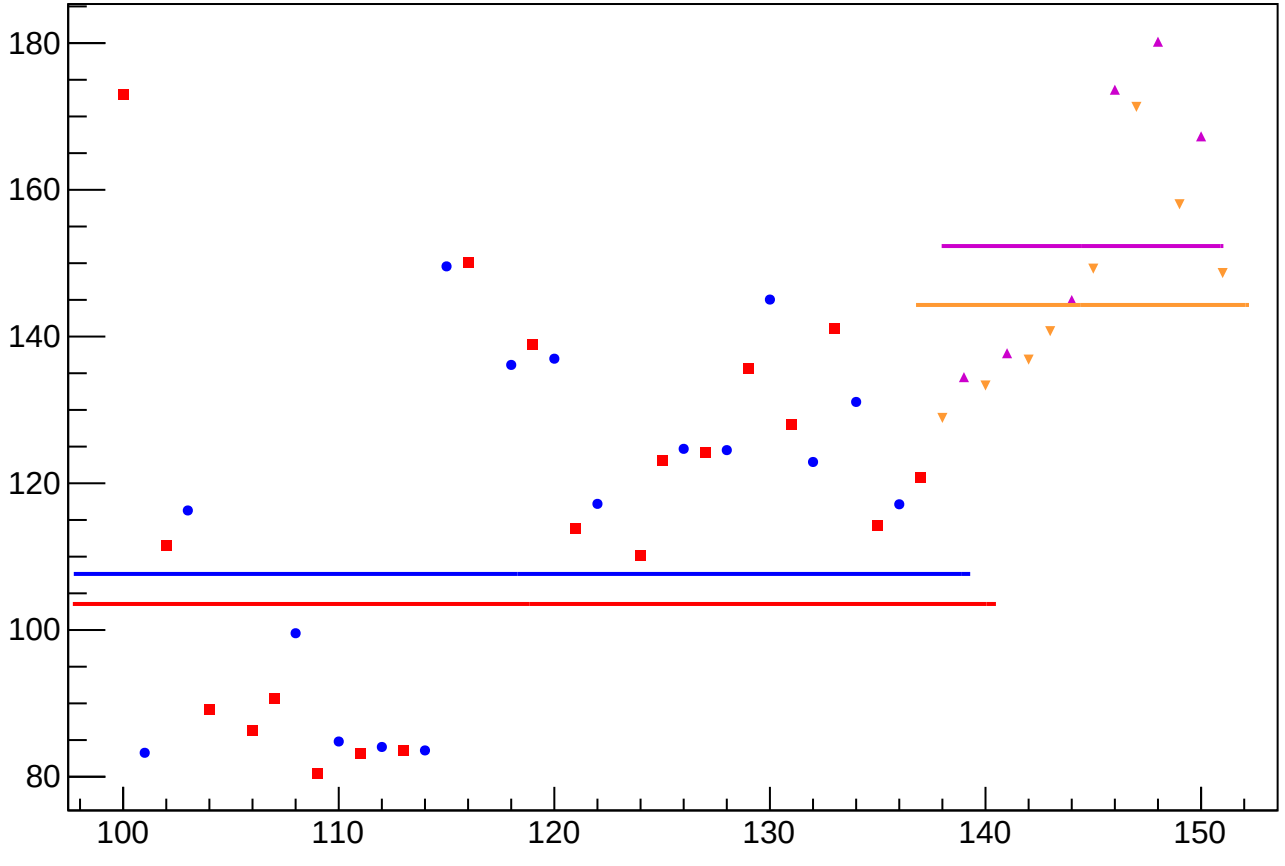
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 46.841+/-34.917 χ^2/NDF:68.5/21

Out: 81.819+/-32.330 χ^2/NDF:42.9/26

All: 65.674+/-23.722 χ^2/NDF: 112.0/48

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 144.307+/-0.041 χ^2/NDF:94060.0/7

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 152.337+/-0.047 χ^2/NDF:135696.4/5

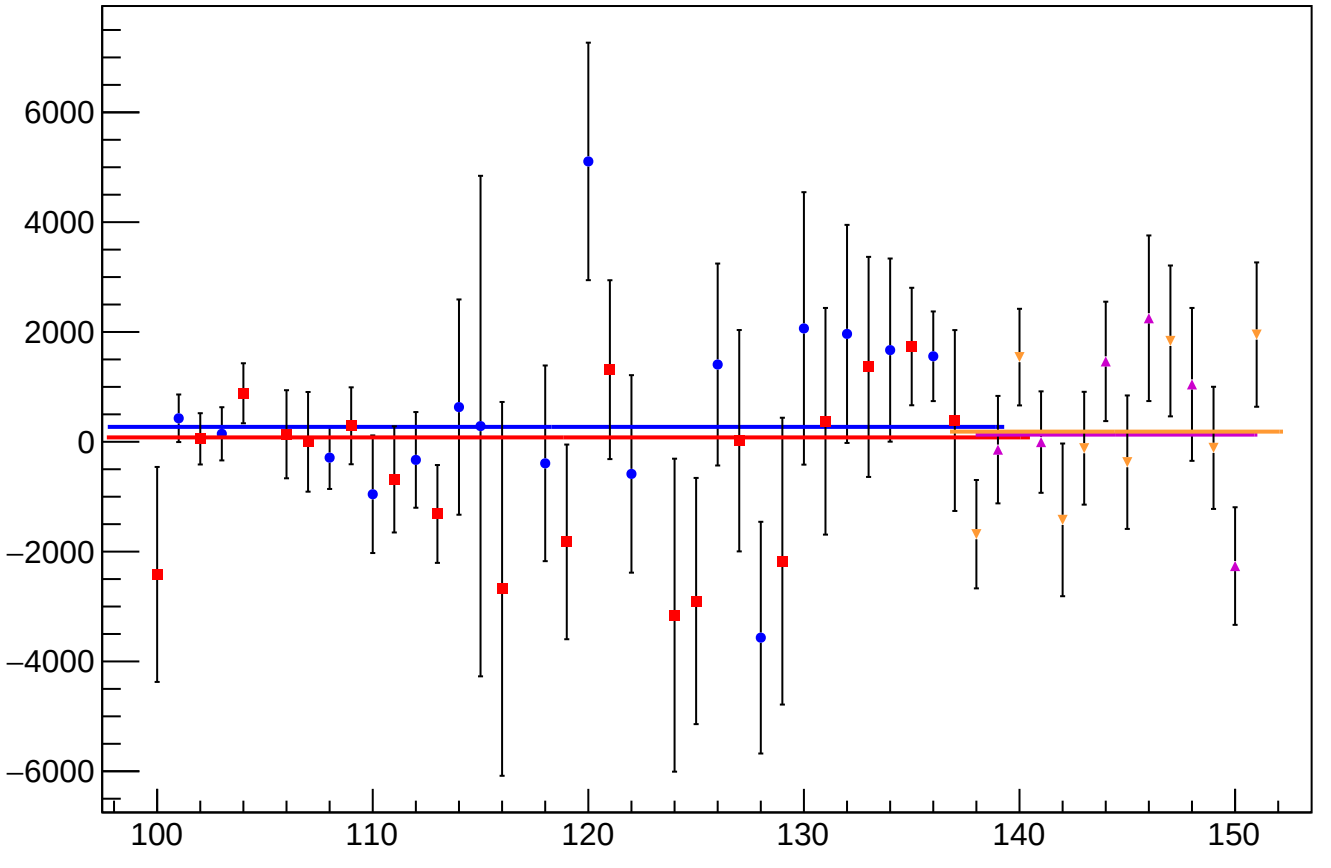
Left: 147.770+/-0.031 χ^2/NDF: 246150.5/13

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 119.823+/-0.025 χ^2/NDF:1318112.2/21

Out: 116.107+/-0.023 χ^2/NDF:1389002.3/26

All: 117.822+/-0.017 χ^2/NDF: 2719312.6/48



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 185.367+/-396.002 χ^2/NDF:10.9/7

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 130.730+/-452.252 χ^2/NDF:9.0/5

Left: 161.656+/-297.930 χ^2/NDF: 19.9/13

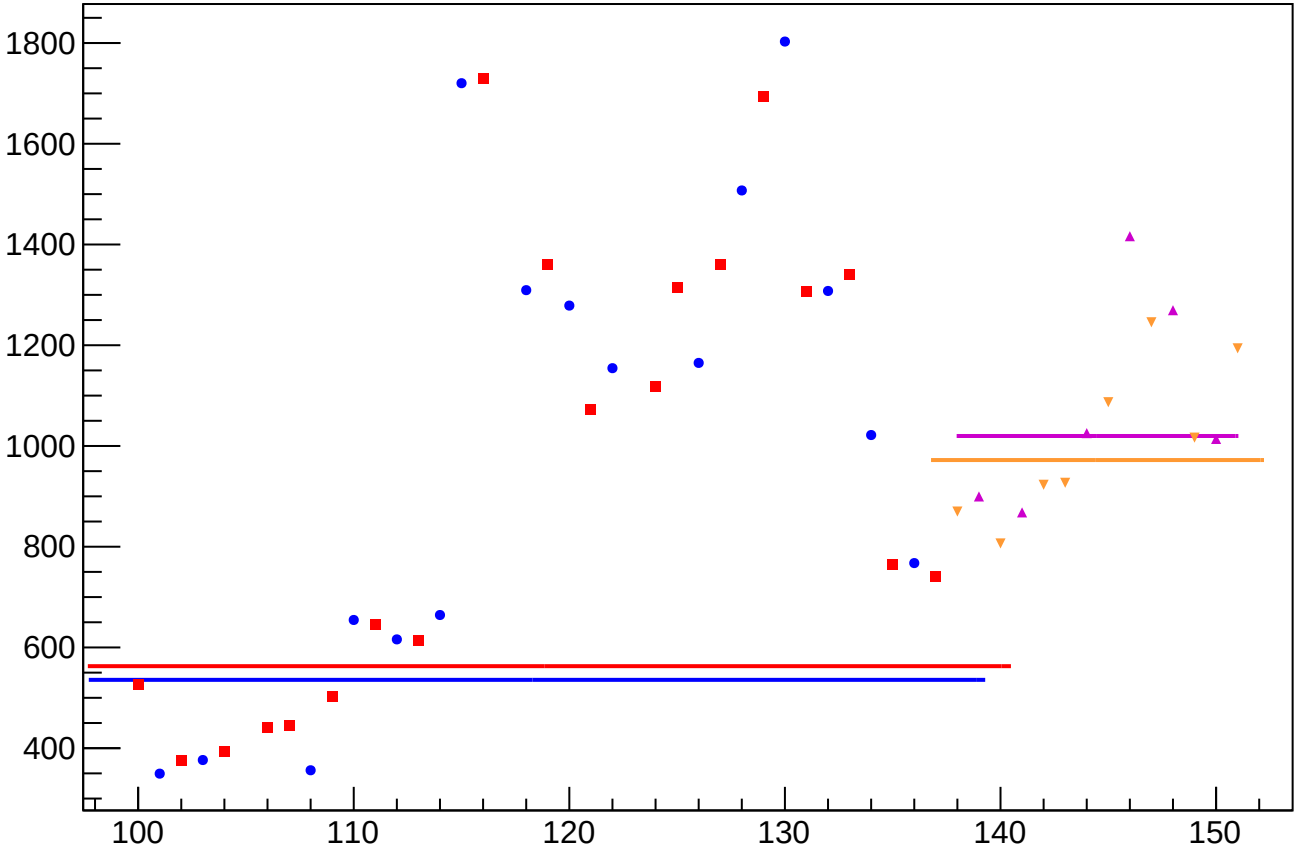
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 242.444+/-205.480 χ^2/NDF:25.6/21

Out: 107.021+/-200.276 χ^2/NDF:27.0/26

All: 172.996+/-143.421 χ^2/NDF: 52.8/48

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 972.058+/-0.280 χ^2/NDF:255931.7/7

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1019.820+/-0.320 χ^2/NDF:286805.5/5

Left: 992.786+/-0.211 χ^2/NDF: 555363.2/13

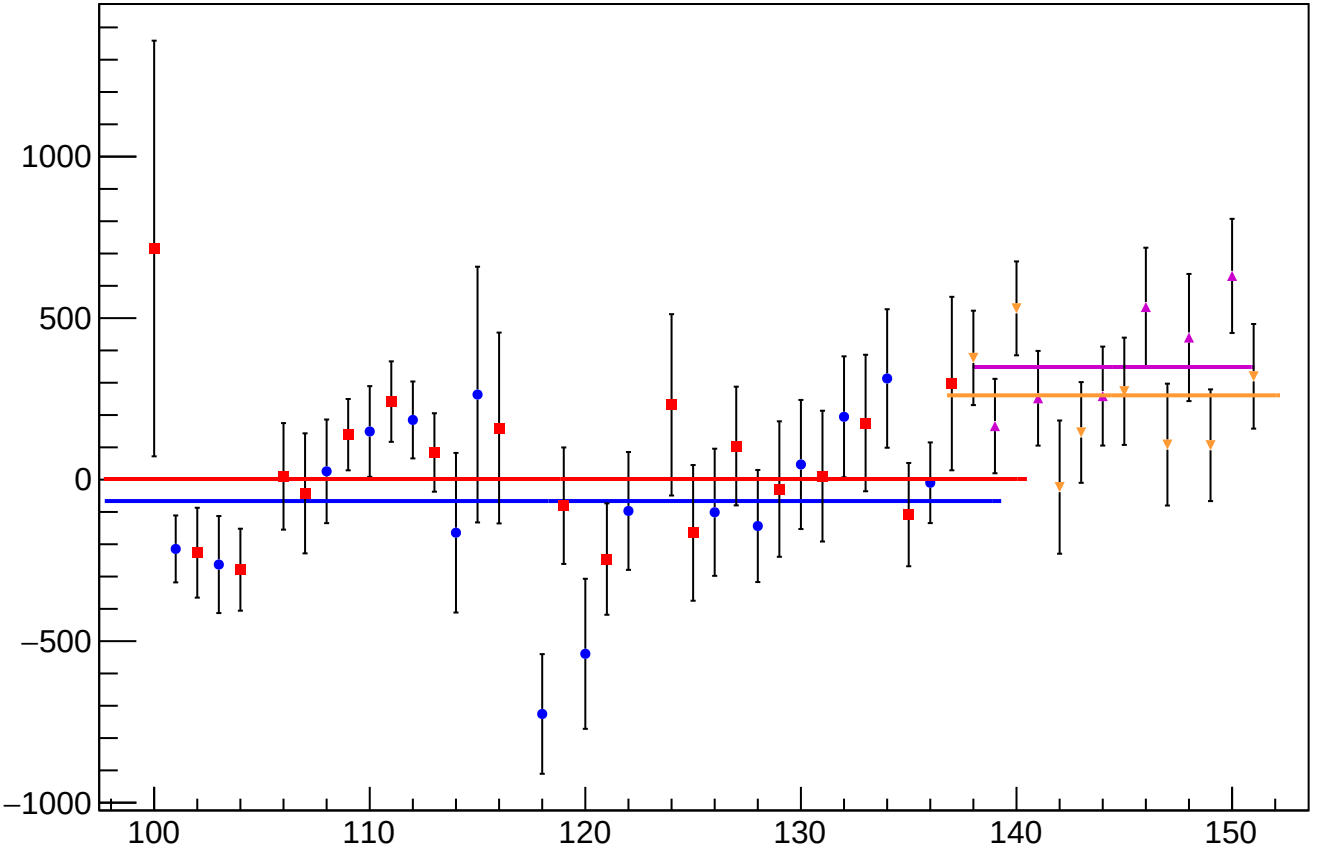
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 635.625+/-0.145 χ^2/NDF:5738015.6/21

Out: 667.512+/-0.142 χ^2/NDF:4956379.7/26

All: 651.977+/-0.101 χ^2/NDF: 10719095.7/48

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 261.047+/-58.245 χ^2/NDF:8.1/7

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 348.712+/-66.889 χ^2/NDF:6.1/5

Left: 298.853+/-43.926 χ^2/NDF: 15.2/13

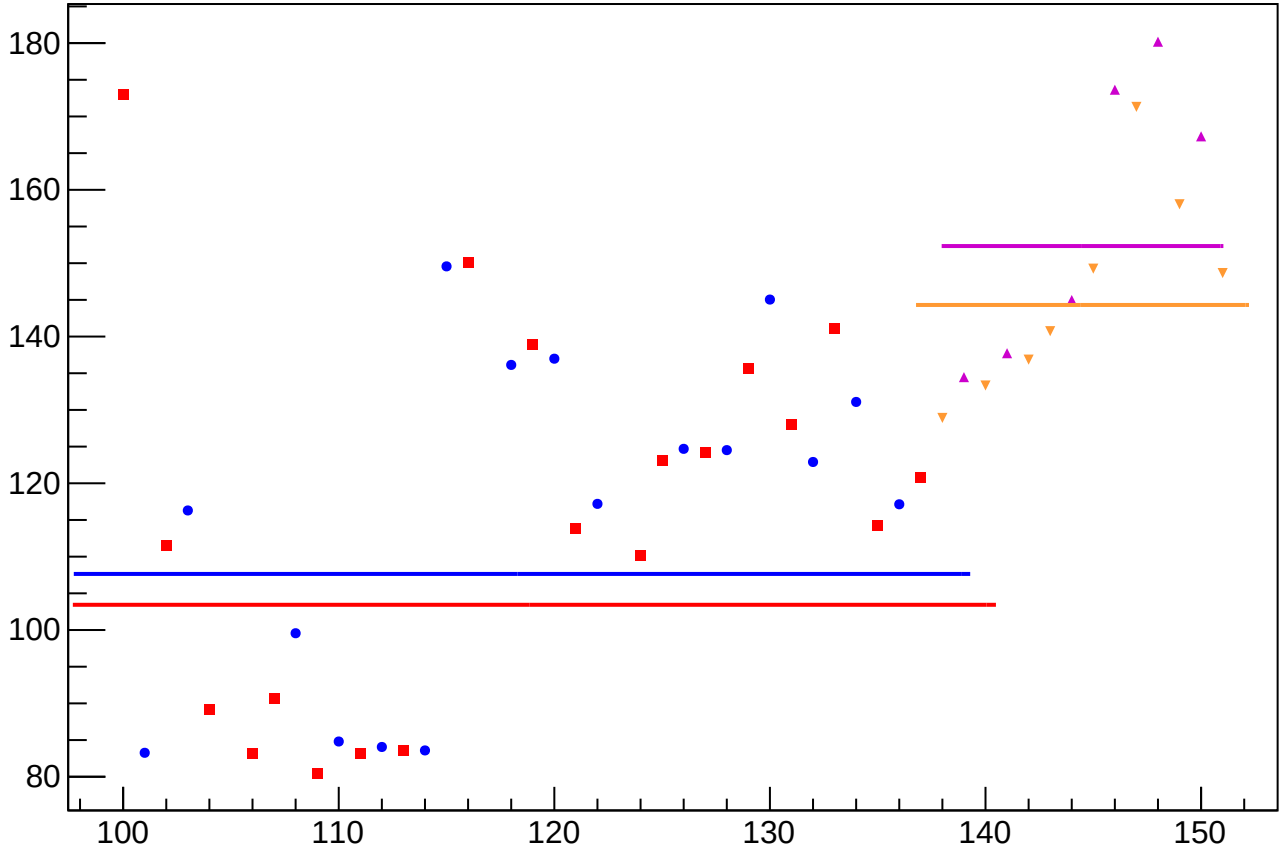
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 46.822+/-34.917 χ^2/NDF:68.5/21

Out: 82.052+/-32.370 χ^2/NDF:42.9/26

All: 65.768+/-23.738 χ^2/NDF: 112.0/48

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 144.307+/-0.041 χ^2/NDF:94060.0/7

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 152.337+/-0.047 χ^2/NDF:135696.4/5

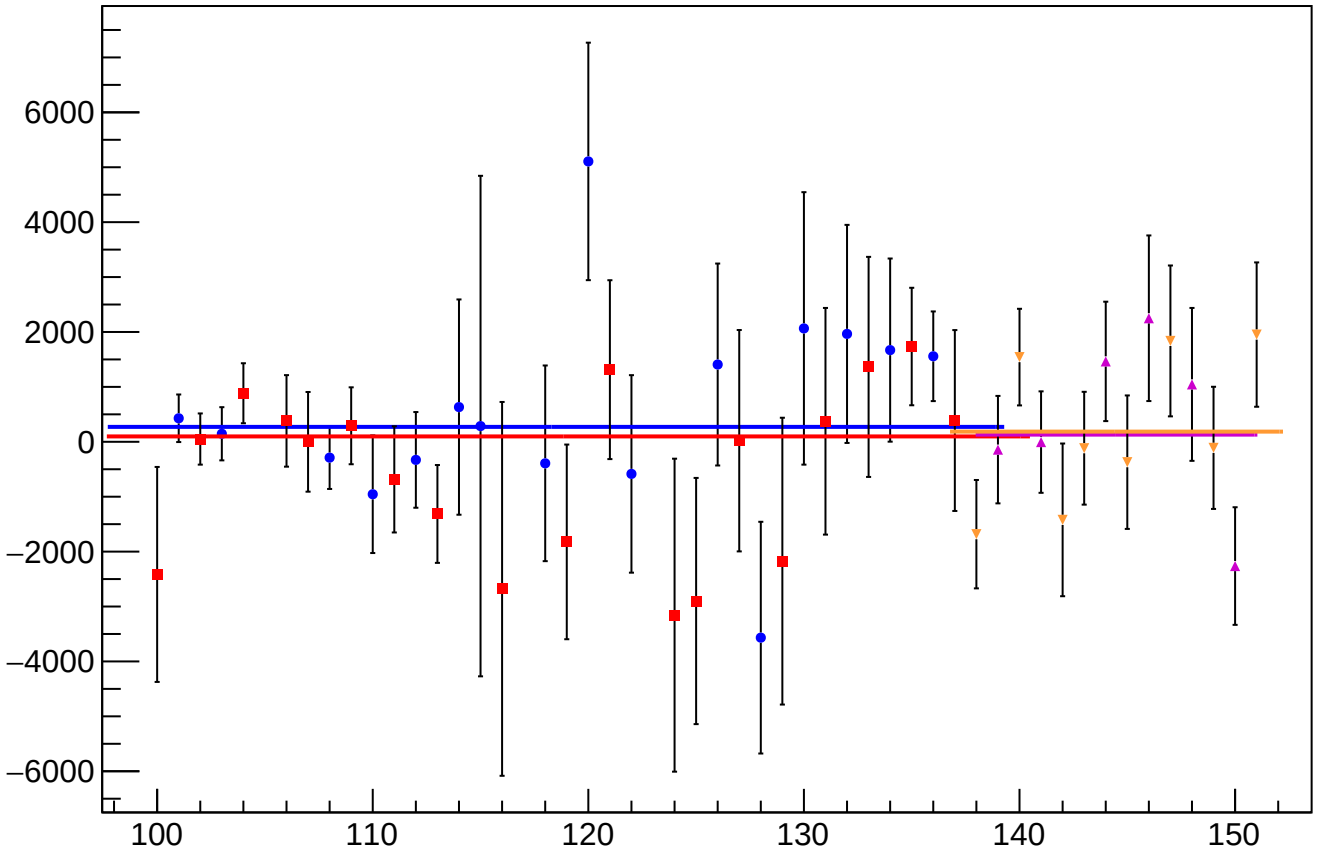
Left: 147.770+/-0.031 χ^2/NDF: 246150.5/13

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 119.823+/-0.025 χ^2/NDF:1318111.8/21

Out: 116.061+/-0.023 χ^2/NDF:1399380.8/26

All: 117.800+/-0.017 χ^2/NDF: 2729981.0/48



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 185.377+/-396.002 χ^2/NDF:10.9/7

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 130.716+/-452.252 χ^2/NDF:9.0/5

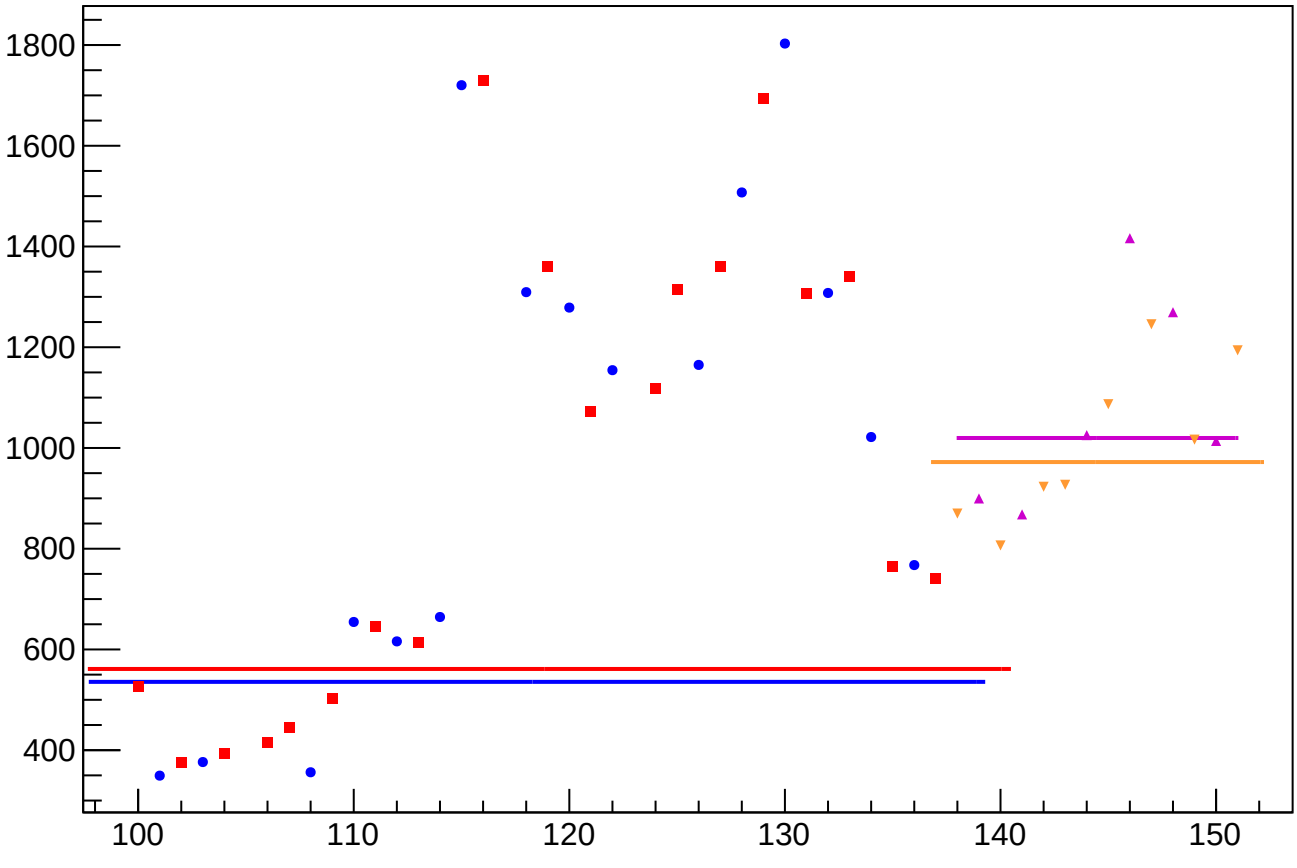
Left: 161.655+/-297.930 χ^2/NDF: 19.9/13

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 242.554+/-205.475 χ^2/NDF:25.6/21

Out: 120.325+/-200.678 χ^2/NDF:27.1/26

All: 179.996+/-143.567 χ^2/NDF: 52.8/48



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.058+/-0.280 χ^2/NDF:255931.6/7

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1019.820+/-0.320 χ^2/NDF:286805.8/5

Left: 992.786+/-0.211 χ^2/NDF: 555363.6/13

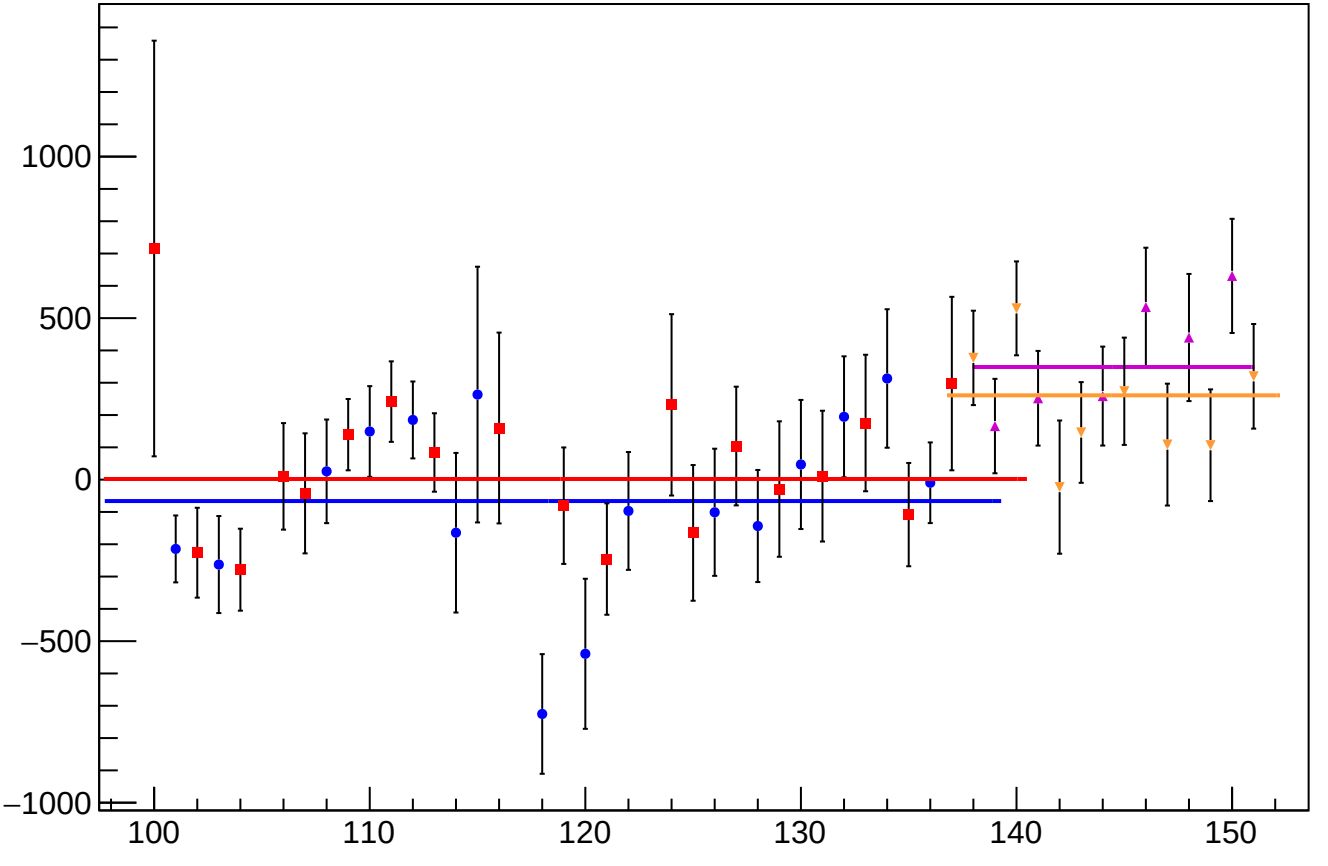
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 635.603+/-0.145 χ^2/NDF:5738403.1/21

Out: 666.762+/-0.142 χ^2/NDF:4986157.1/26

All: 651.550+/-0.102 χ^2/NDF: 10748100.1/48

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 261.047+/-58.245 χ^2/NDF:8.1/7

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 348.712+/-66.889 χ^2/NDF:6.1/5

Left: 298.853+/-43.926 χ^2/NDF: 15.2/13

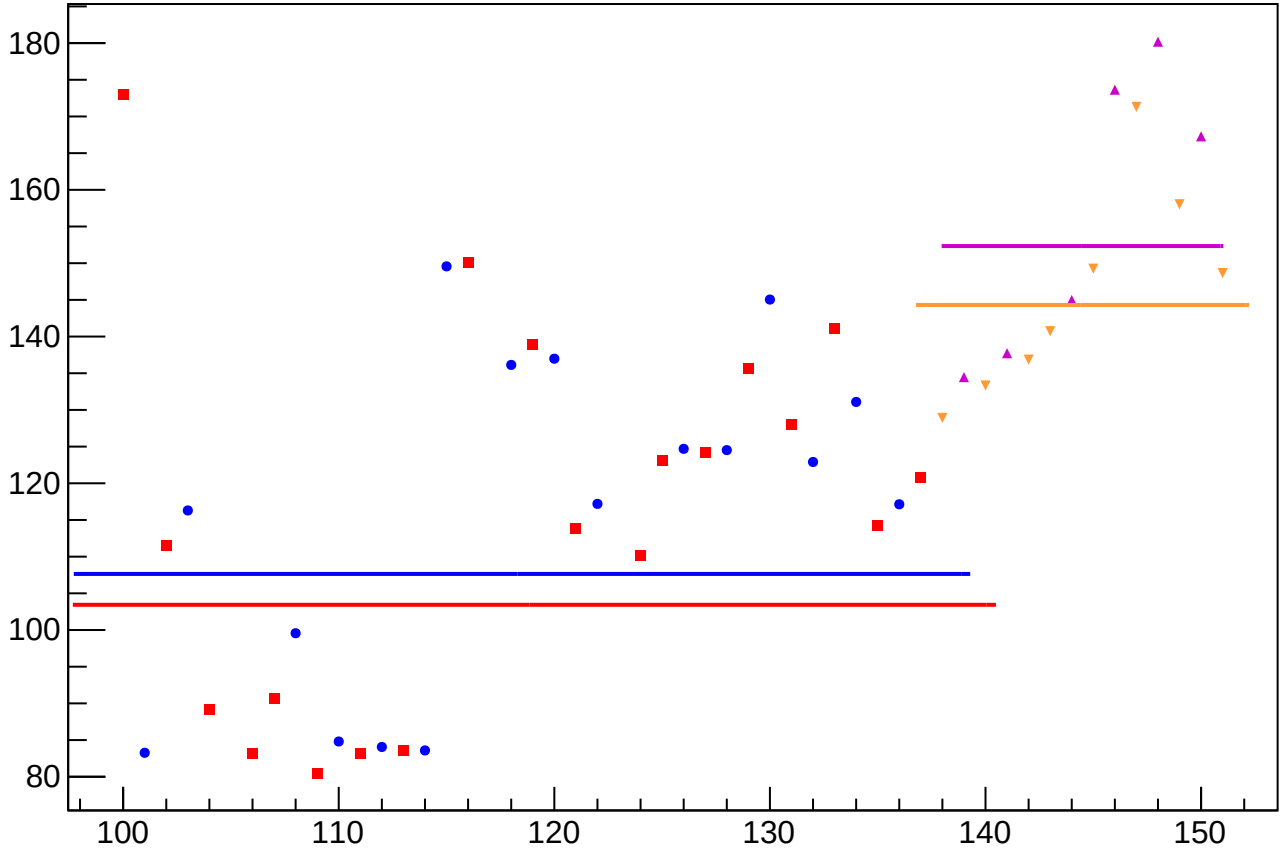
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 46.822+/-34.917 χ^2/NDF:68.5/21

Out: 82.052+/-32.370 χ^2/NDF:42.9/26

All: 65.768+/-23.738 χ^2/NDF: 112.0/48

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 144.307+/-0.041 χ^2/NDF:94060.0/7

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 152.337+/-0.047 χ^2/NDF:135696.4/5

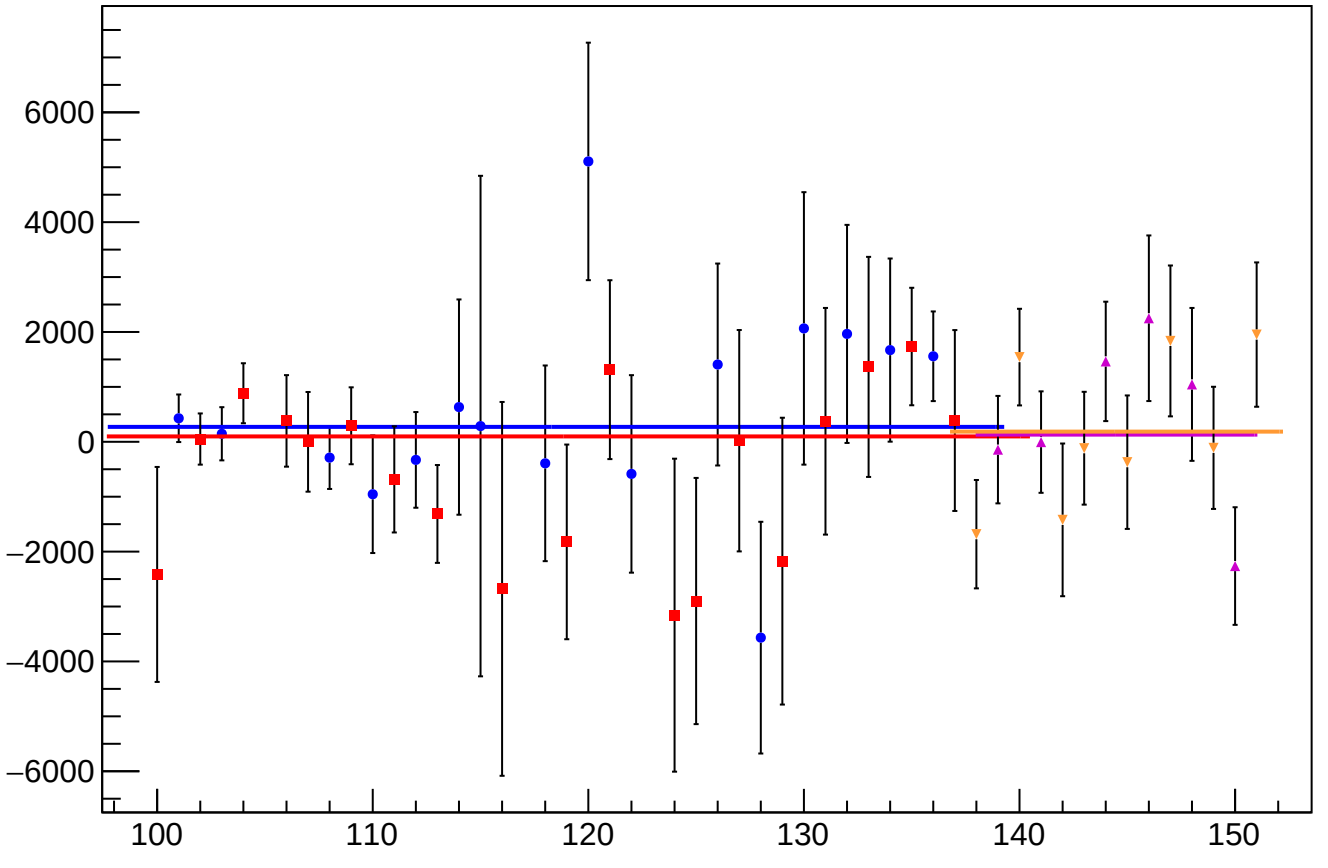
Left: 147.770+/-0.031 χ^2/NDF: 246150.5/13

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 119.823+/-0.025 χ^2/NDF:1318111.8/21

Out: 116.061+/-0.023 χ^2/NDF:1399380.8/26

All: 117.800+/-0.017 χ^2/NDF: 2729981.0/48



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 185.377+/-396.002 χ^2/NDF:10.9/7

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 130.716+/-452.252 χ^2/NDF:9.0/5

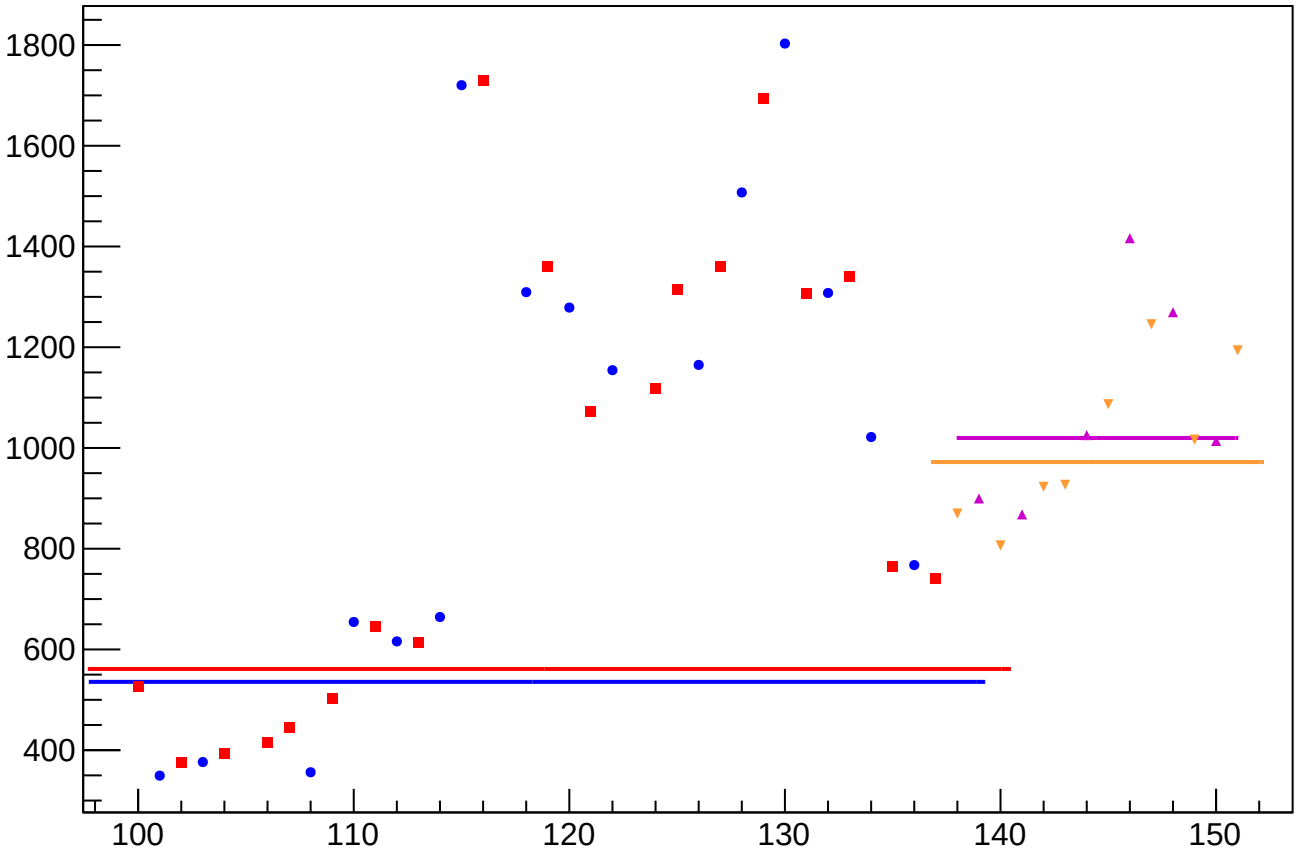
Left: 161.655+/-297.930 χ^2/NDF: 19.9/13

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 242.554+/-205.475 χ^2/NDF:25.6/21

Out: 120.325+/-200.678 χ^2/NDF:27.1/26

All: 179.996+/-143.567 χ^2/NDF: 52.8/48



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.058+/-0.280 χ^2/NDF:255931.6/7

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1019.820+/-0.320 χ^2/NDF:286805.8/5

Left: 992.786+/-0.211 χ^2/NDF: 555363.6/13

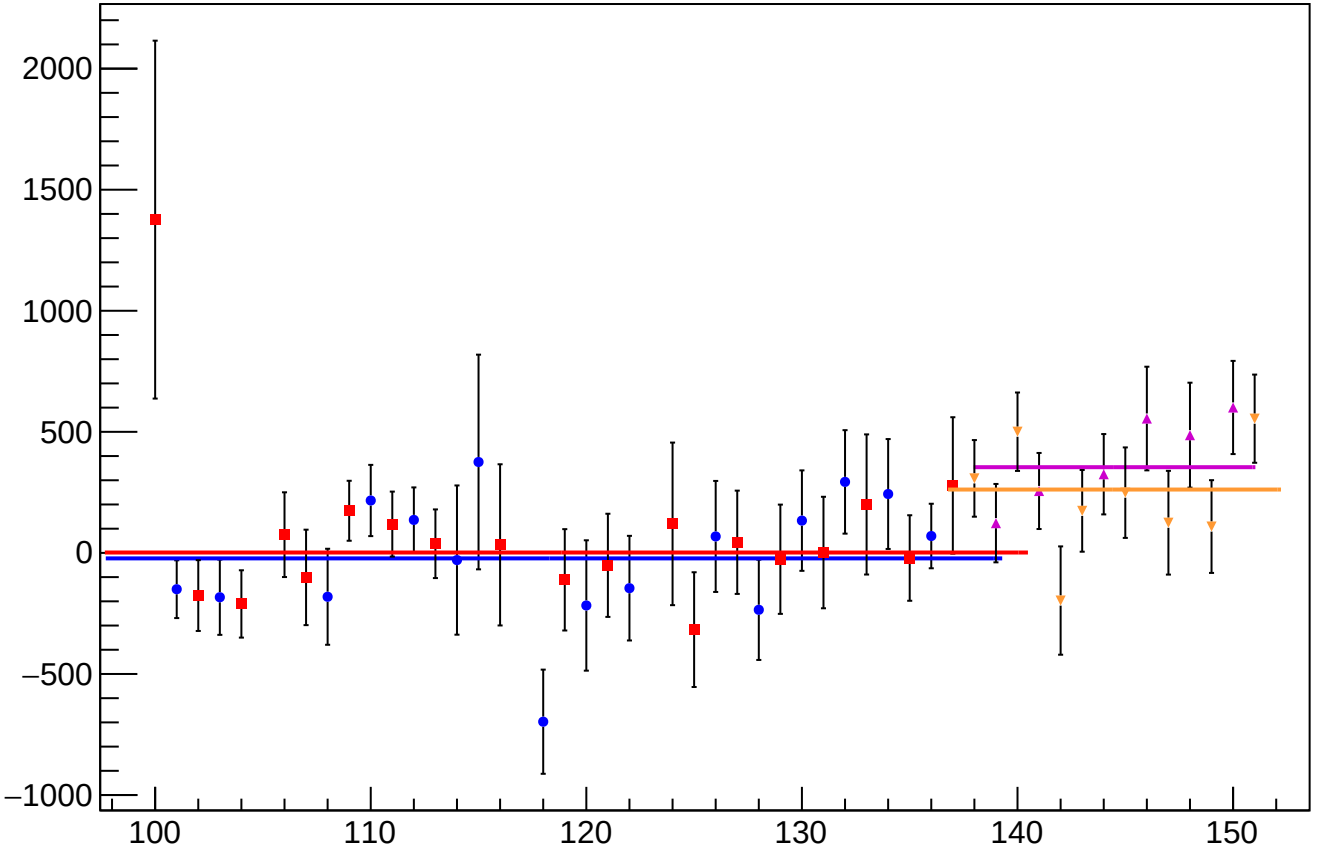
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 635.603+/-0.145 χ^2/NDF:5738403.1/21

Out: 666.762+/-0.142 χ^2/NDF:4986157.1/26

All: 651.550+/-0.102 χ^2/NDF: 10748100.1/48

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 261.682+/-64.409 χ^2/NDF:10.4/7

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 354.018+/-73.489 χ^2/NDF:5.4/5

Left: 301.796+/-48.438 χ^2/NDF: 16.6/13

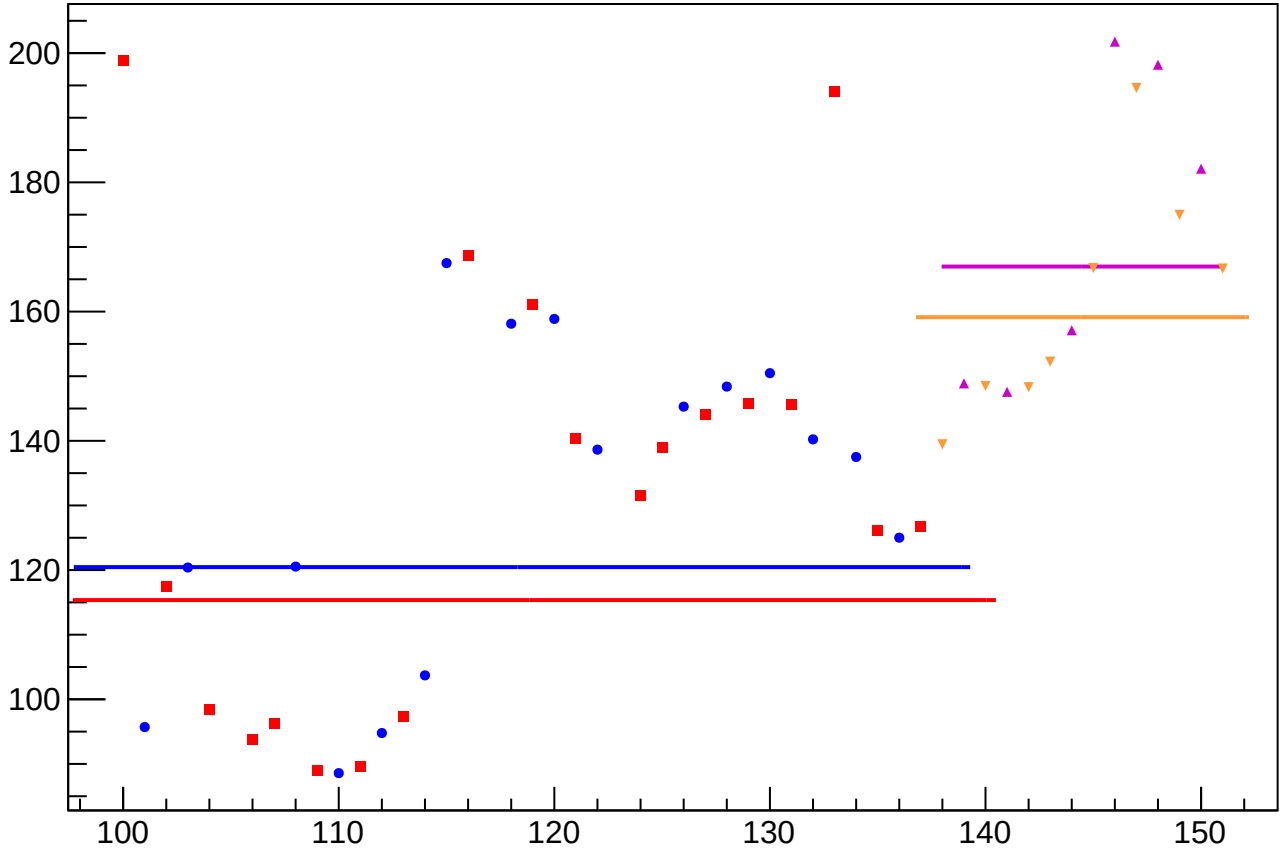
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 83.062+/-38.935 χ^2/NDF:48.4/21

Out: 83.232+/-36.085 χ^2/NDF:35.8/26

All: 83.153+/-26.466 χ^2/NDF: 84.3/48

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 159.132+/-0.046 χ^2/NDF:122837.5/7

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 166.970+/-0.052 χ^2/NDF:169339.4/5

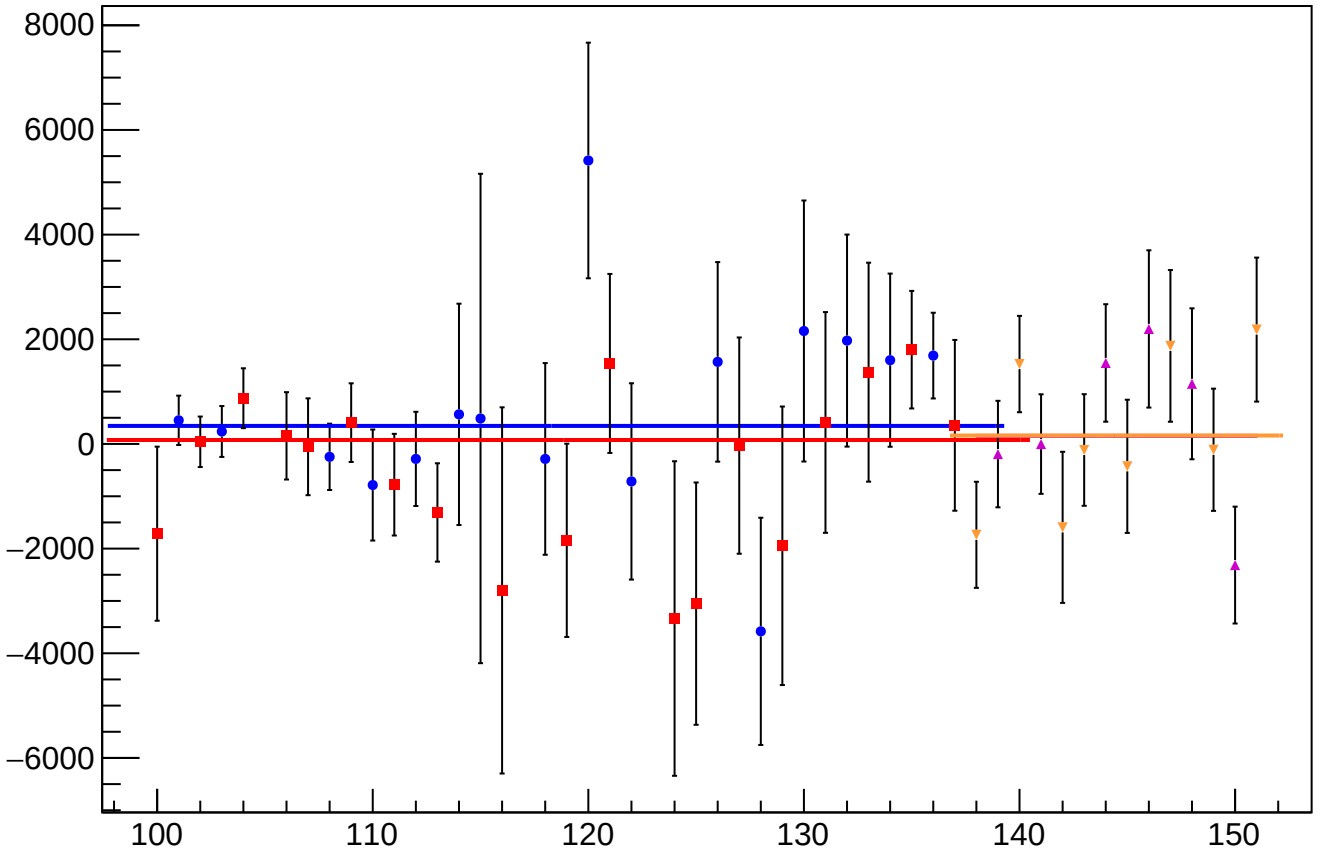
Left: 162.537+/-0.034 χ^2/NDF: 305044.7/13

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 133.514+/-0.028 χ^2/NDF:1275943.8/21

Out: 129.097+/-0.026 χ^2/NDF:1523946.1/26

All: 131.138+/-0.019 χ^2/NDF: 2813740.7/48



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 160.984+/-412.818 χ^2/NDF:11.1/7

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 154.084+/-466.755 χ^2/NDF:8.9/5

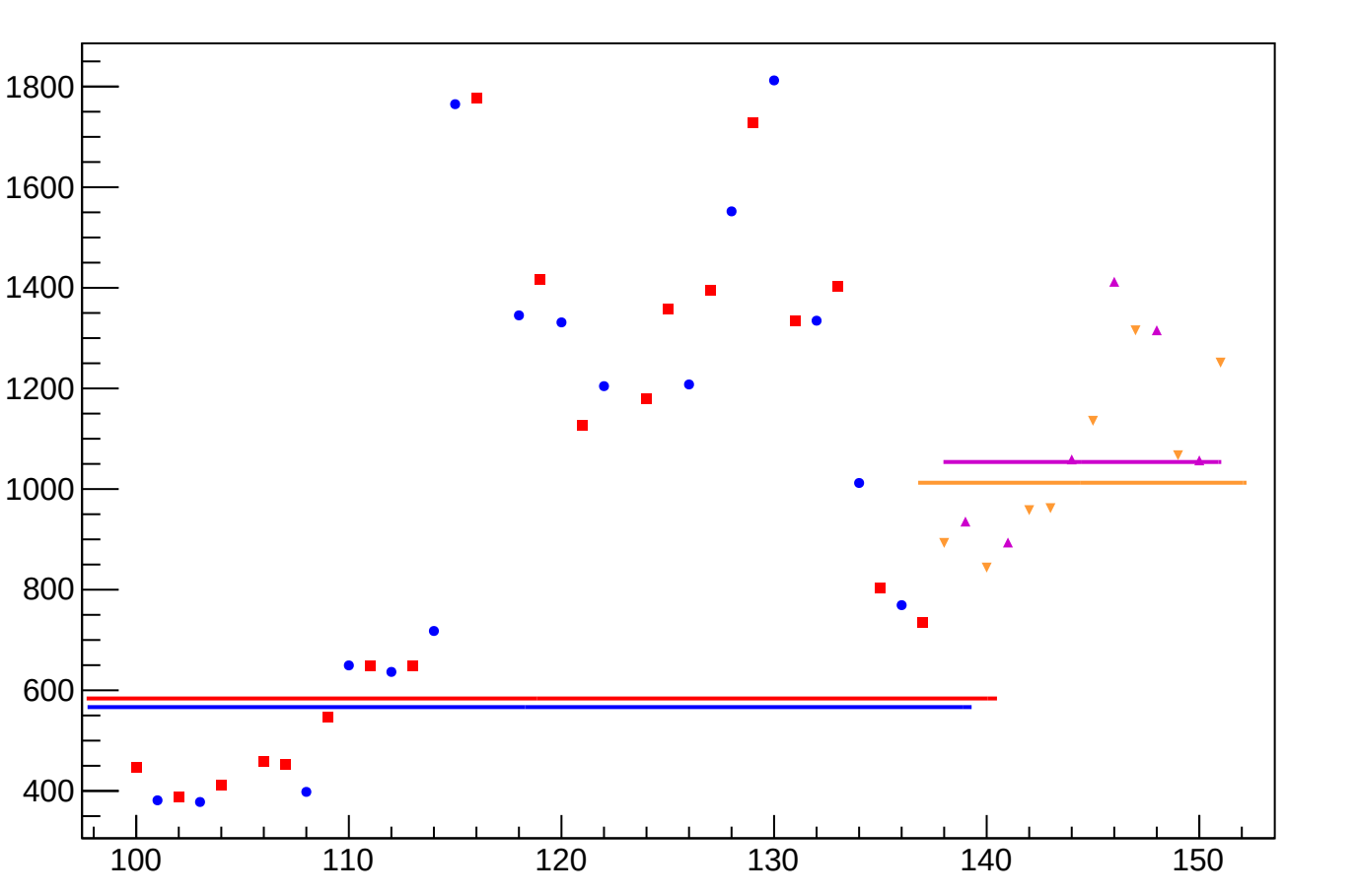
Left: 157.956+/-309.226 χ^2/NDF: 20.0/13

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 304.231+/-214.513 χ^2/NDF:25.3/21

Out: 97.109+/-207.793 χ^2/NDF:26.4/26

All: 197.376+/-149.251 χ^2/NDF: 52.1/48



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1012.582+/-0.292 χ^2/NDF:272971.5/7

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1053.828+/-0.330 χ^2/NDF:263258.9/5

Left: 1030.685+/-0.219 χ^2/NDF: 544993.3/13

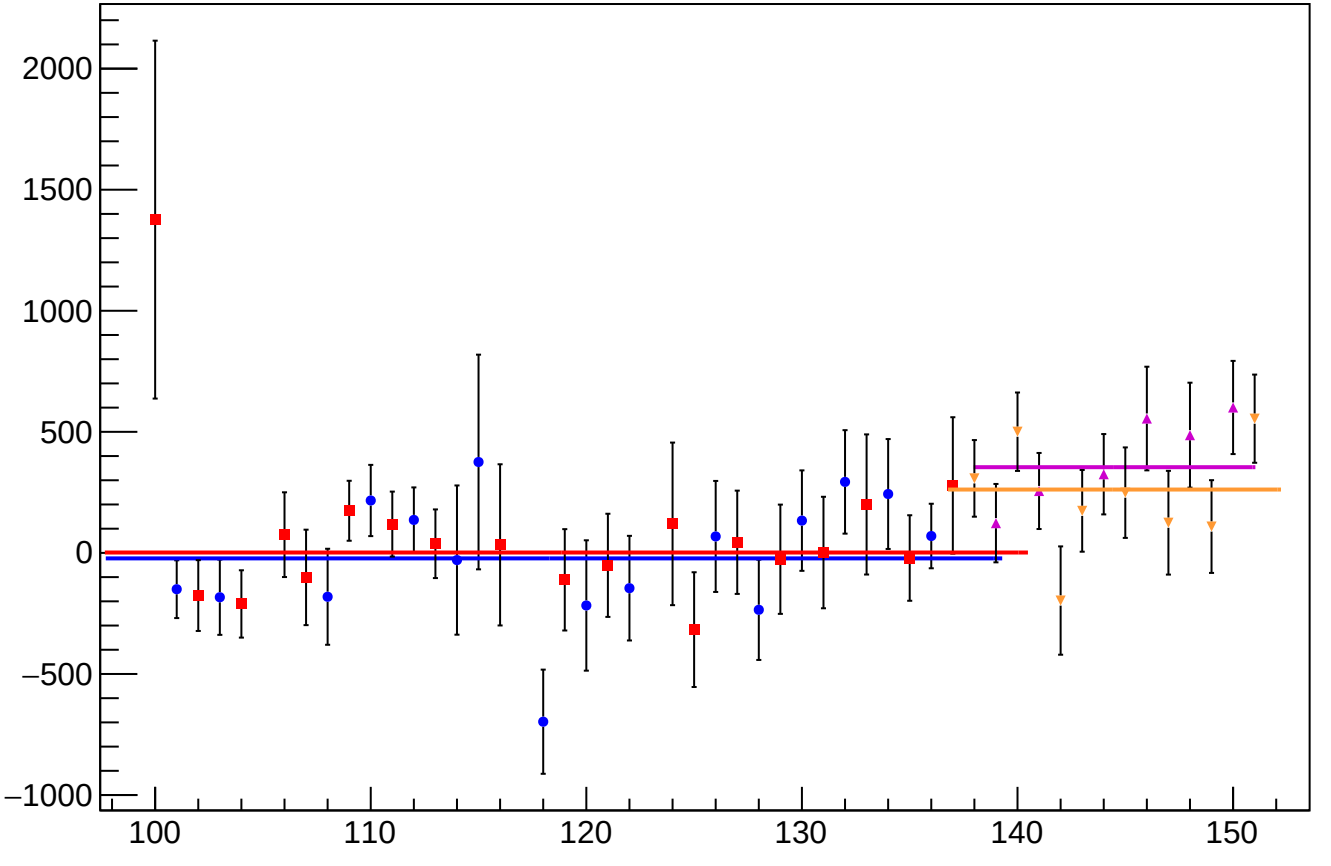
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 669.513+/-0.152 χ^2/NDF:5414670.3/21

Out: 692.434+/-0.147 χ^2/NDF:4991527.7/26

All: 681.338+/-0.106 χ^2/NDF: 10417978.1/48

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 261.684+/-64.409 χ^2/NDF:10.4/7

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 354.017+/-73.489 χ^2/NDF:5.4/5

Left: 301.797+/-48.438 χ^2/NDF: 16.6/13

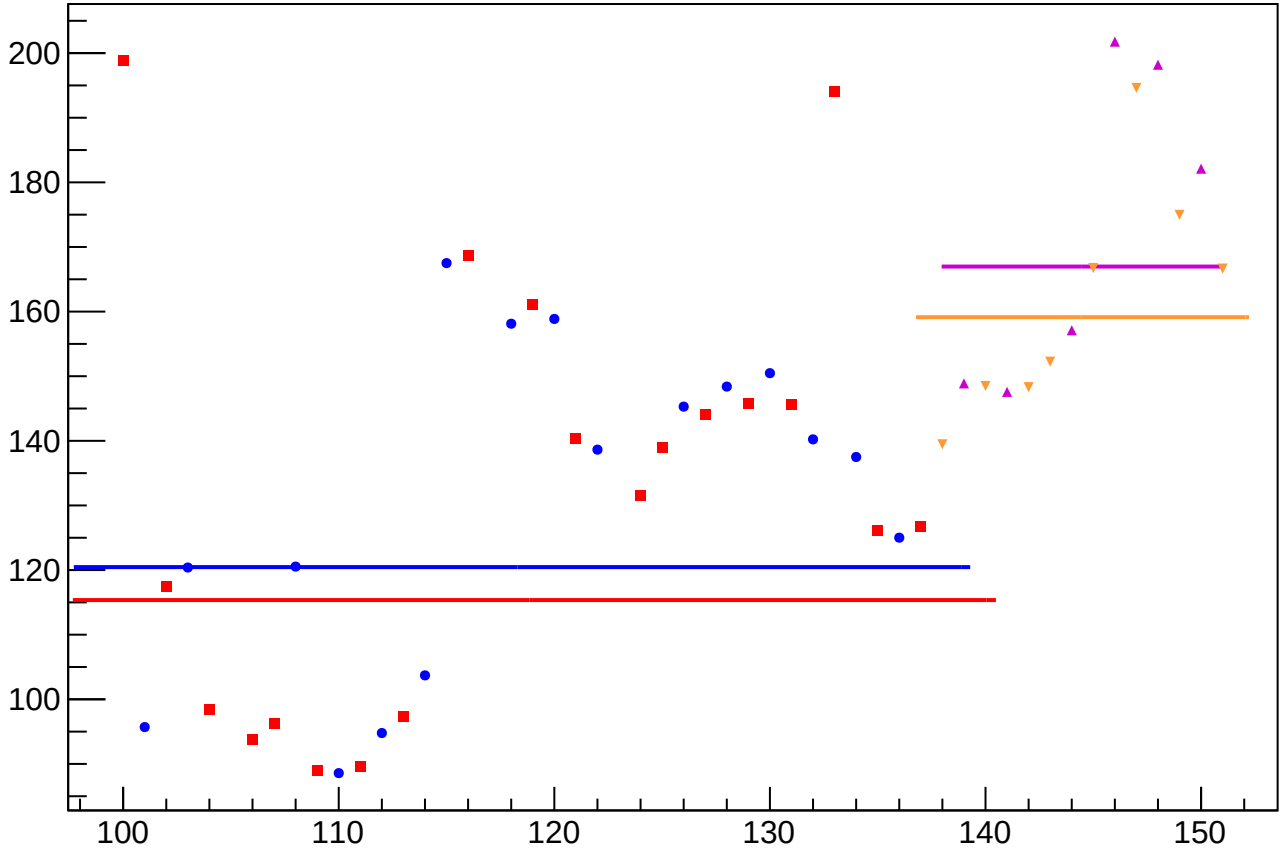
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 83.060+/-38.935 χ^2/NDF:48.4/21

Out: 83.234+/-36.084 χ^2/NDF:35.8/26

All: 83.154+/-26.466 χ^2/NDF: 84.3/48

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 159.132+/-0.046 χ^2/NDF:122836.3/7

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 166.970+/-0.052 χ^2/NDF:169339.6/5

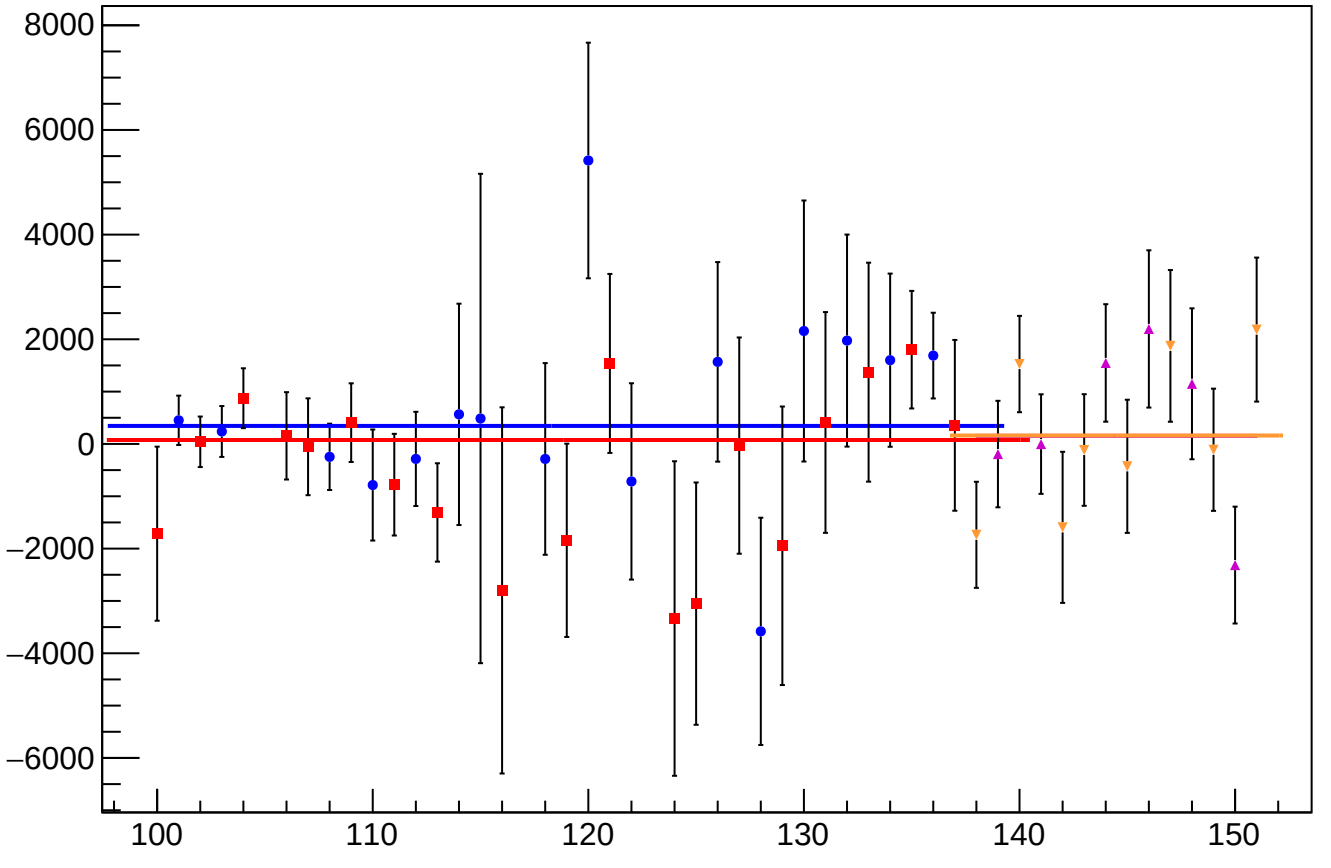
Left: 162.537+/-0.034 χ^2/NDF: 305043.9/13

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 133.514+/-0.028 χ^2/NDF:1275950.3/21

Out: 129.096+/-0.026 χ^2/NDF:1523943.9/26

All: 131.138+/-0.019 χ^2/NDF: 2813744.6/48



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 160.988+/-412.817 χ^2/NDF:11.1/7

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 154.083+/-466.755 χ^2/NDF:8.9/5

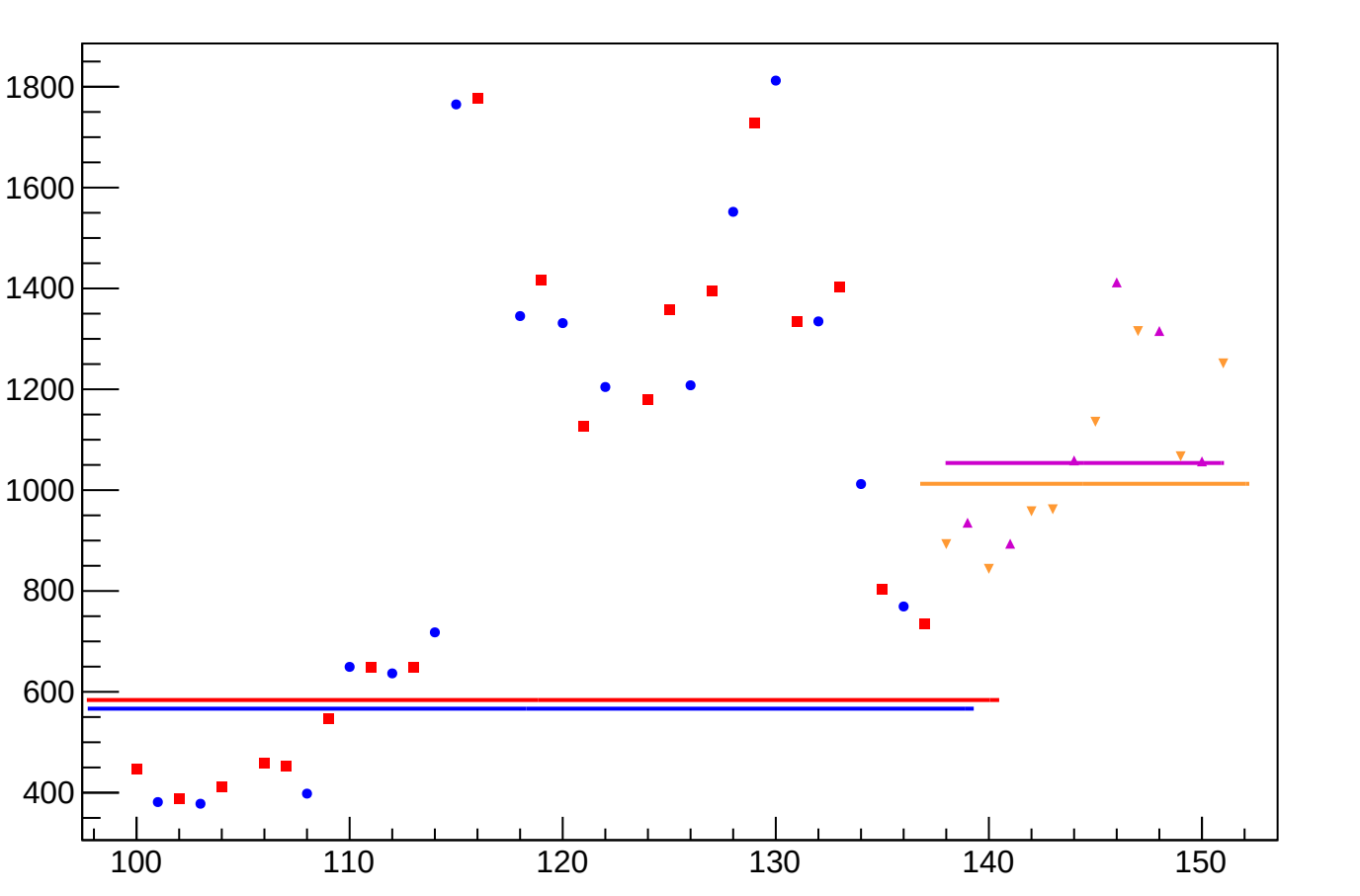
Left: 157.957+/-309.225 χ^2/NDF: 20.0/13

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 304.230+/-214.512 χ^2/NDF:25.3/21

Out: 97.111+/-207.793 χ^2/NDF:26.4/26

All: 197.376+/-149.251 χ^2/NDF: 52.1/48



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1012.581+/-0.292 χ^2/NDF:272971.9/7

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1053.827+/-0.330 χ^2/NDF:263259.4/5

Left: 1030.684+/-0.219 χ^2/NDF: 544994.4/13

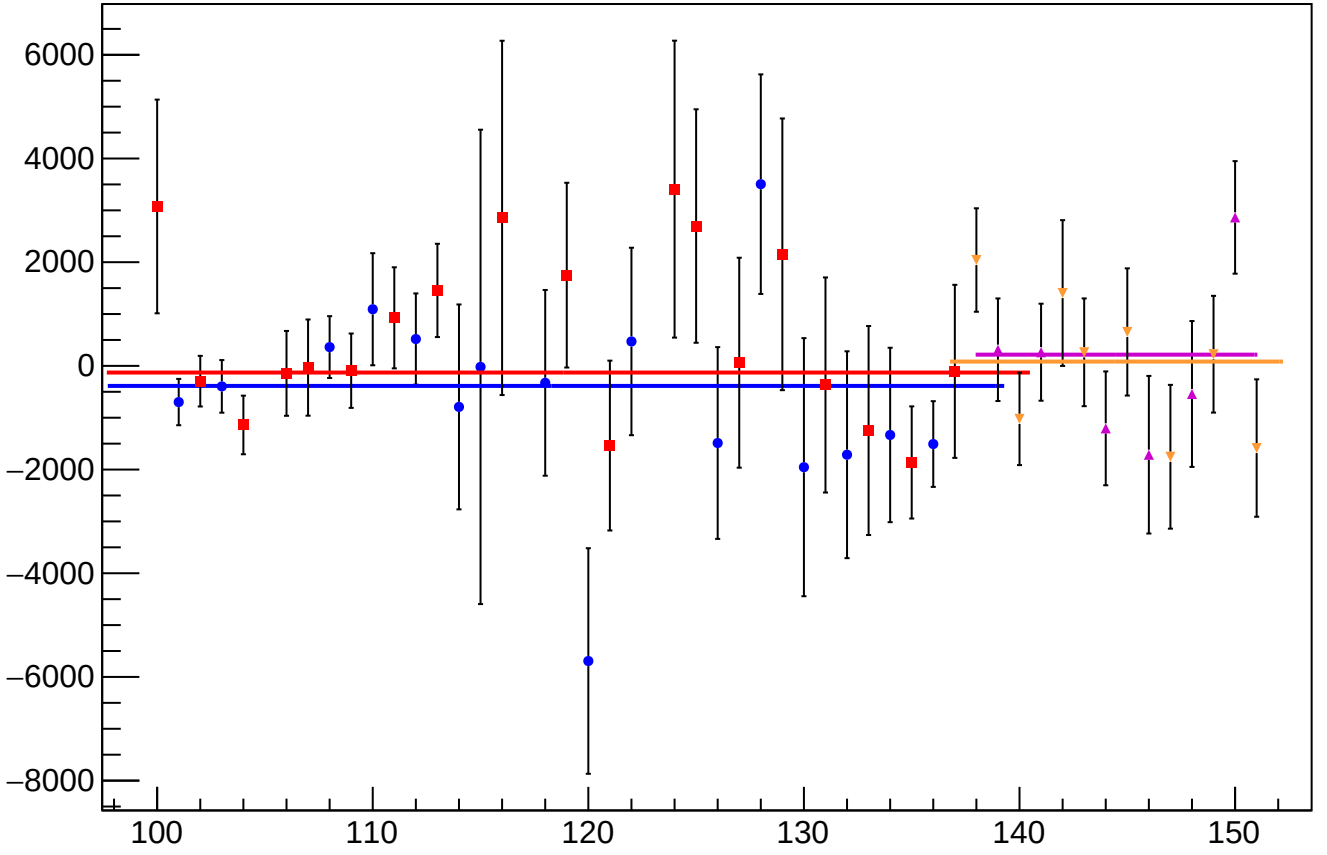
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 669.512+/-0.152 χ^2/NDF:5414677.3/21

Out: 692.433+/-0.147 χ^2/NDF:4991526.9/26

All: 681.338+/-0.106 χ^2/NDF: 10417984.5/48

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 82.947+/-400.450 χ^2/NDF:9.9/7

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 216.546+/-457.400 χ^2/NDF:9.5/5

Left: 140.916+/-301.296 χ^2/NDF: 19.5/13

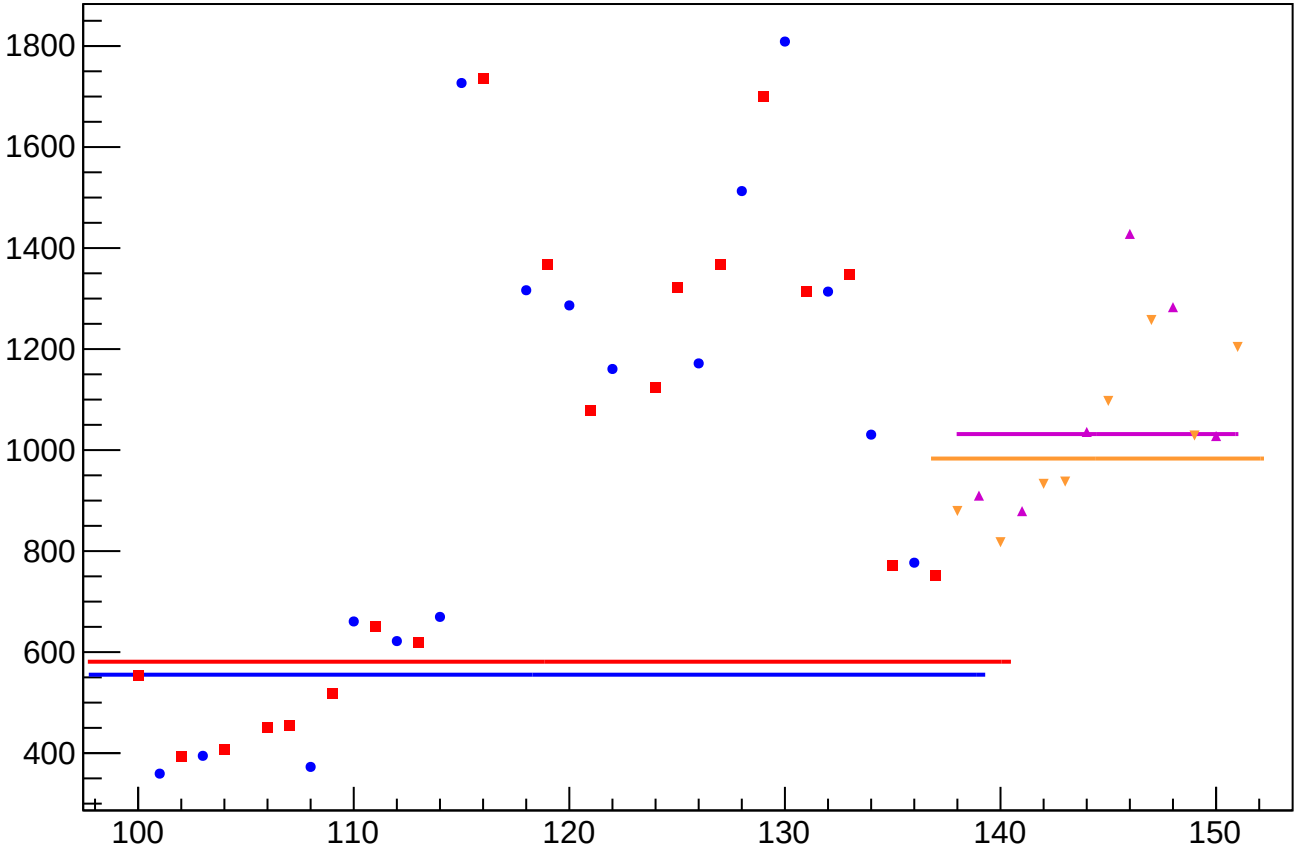
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -258.436+/-210.797 χ^2/NDF:28.9/21

Out: -73.285+/-204.746 χ^2/NDF:29.5/26

All: -163.165+/-146.870 χ^2/NDF: 58.7/48

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 983.255+/-0.283 χ^2/NDF:251447.4/7

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1031.712+/-0.323 χ^2/NDF:283363.5/5

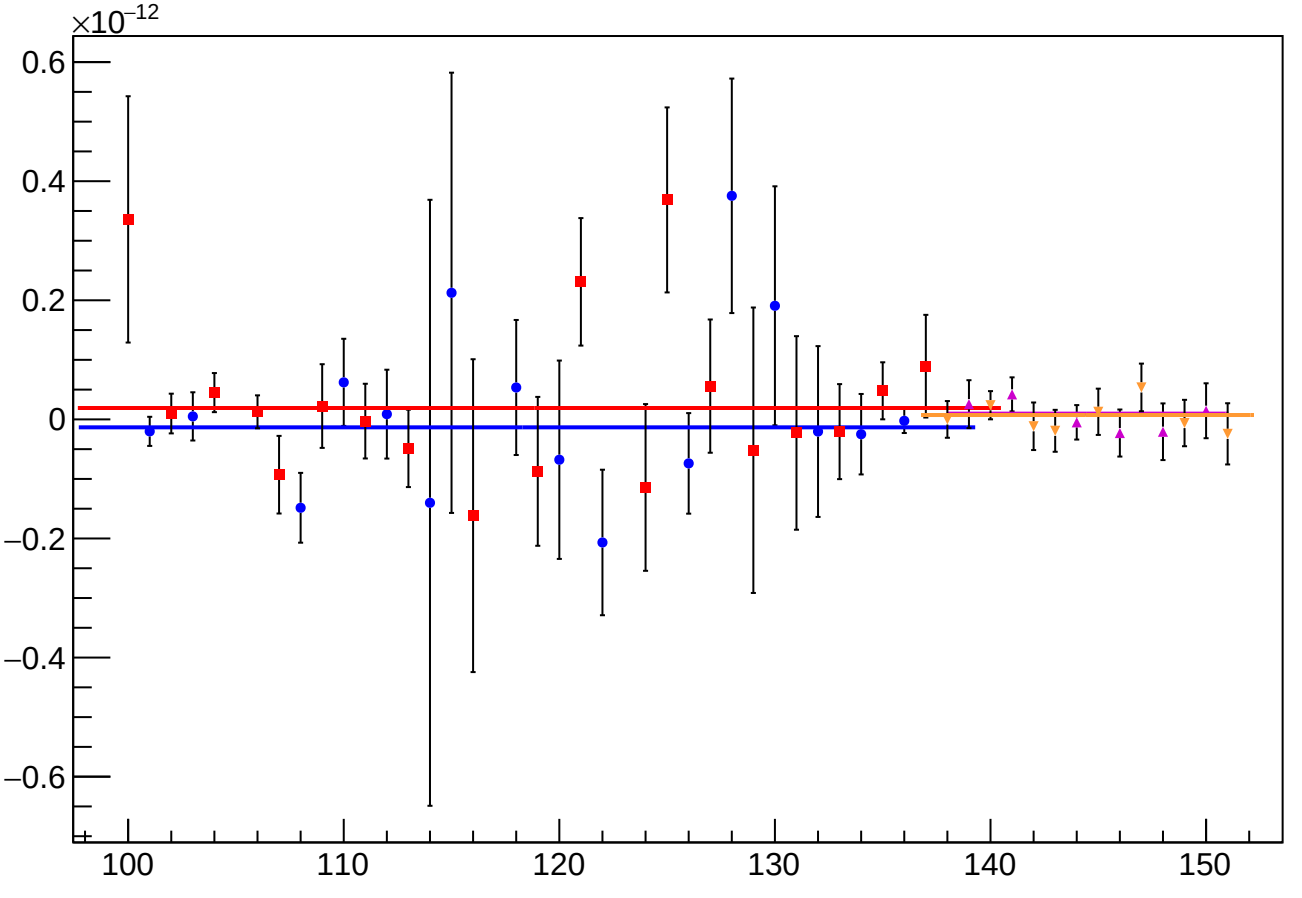
Left: 1004.280+/-0.213 χ^2/NDF: 547517.6/13

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 656.479+/-0.149 χ^2/NDF:5474839.4/21

Out: 686.153+/-0.145 χ^2/NDF:4725550.0/26

All: 671.748+/-0.104 χ^2/NDF: 10220782.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/5

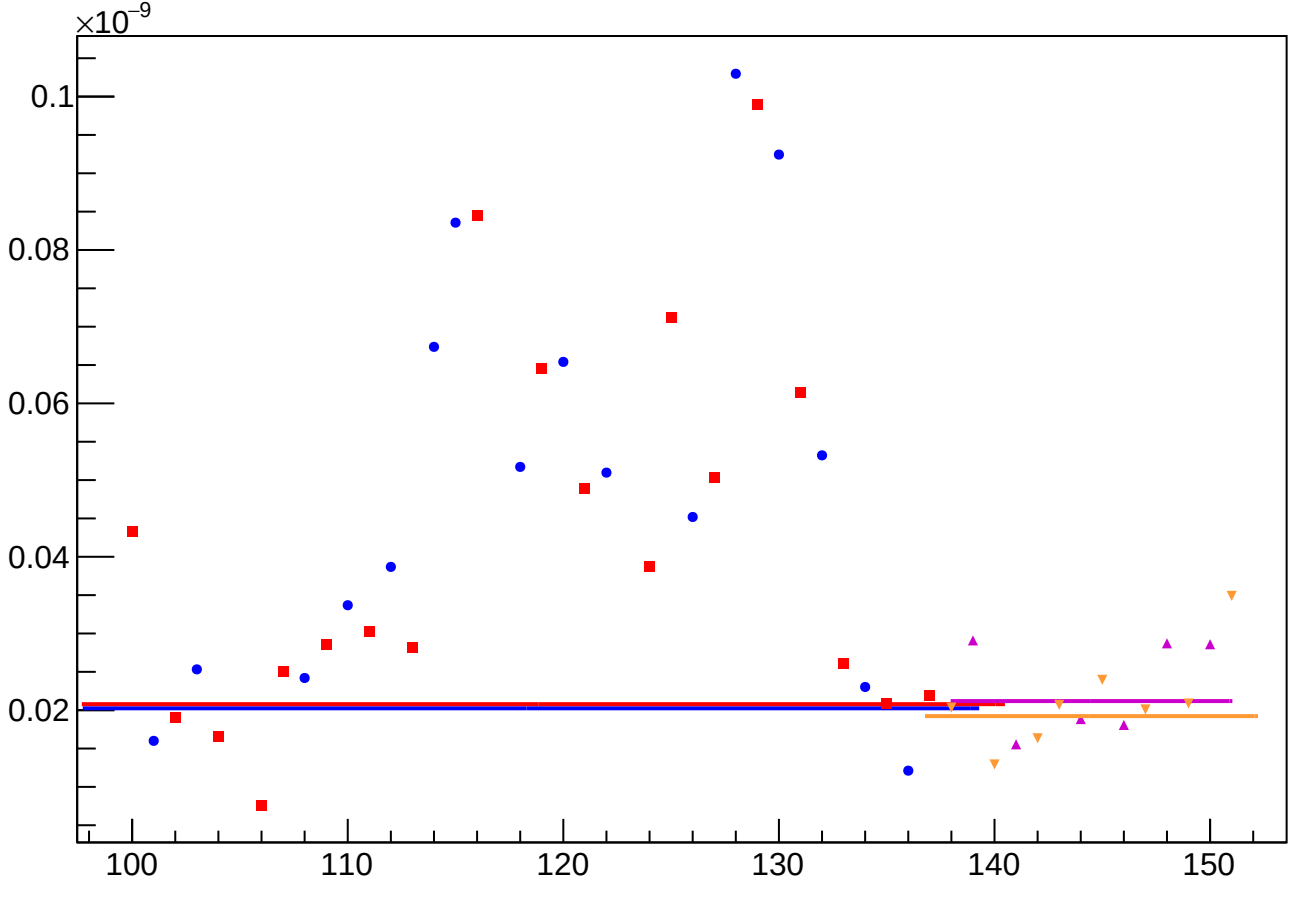
Left: 0.000+/-0.000 χ^2/NDF: 6.0/13

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:20.1/21

Out: 0.000+/-0.000 χ^2/NDF:23.5/26

All: 0.000+/-0.000 χ^2/NDF: 45.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:378459.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:282479.6/5

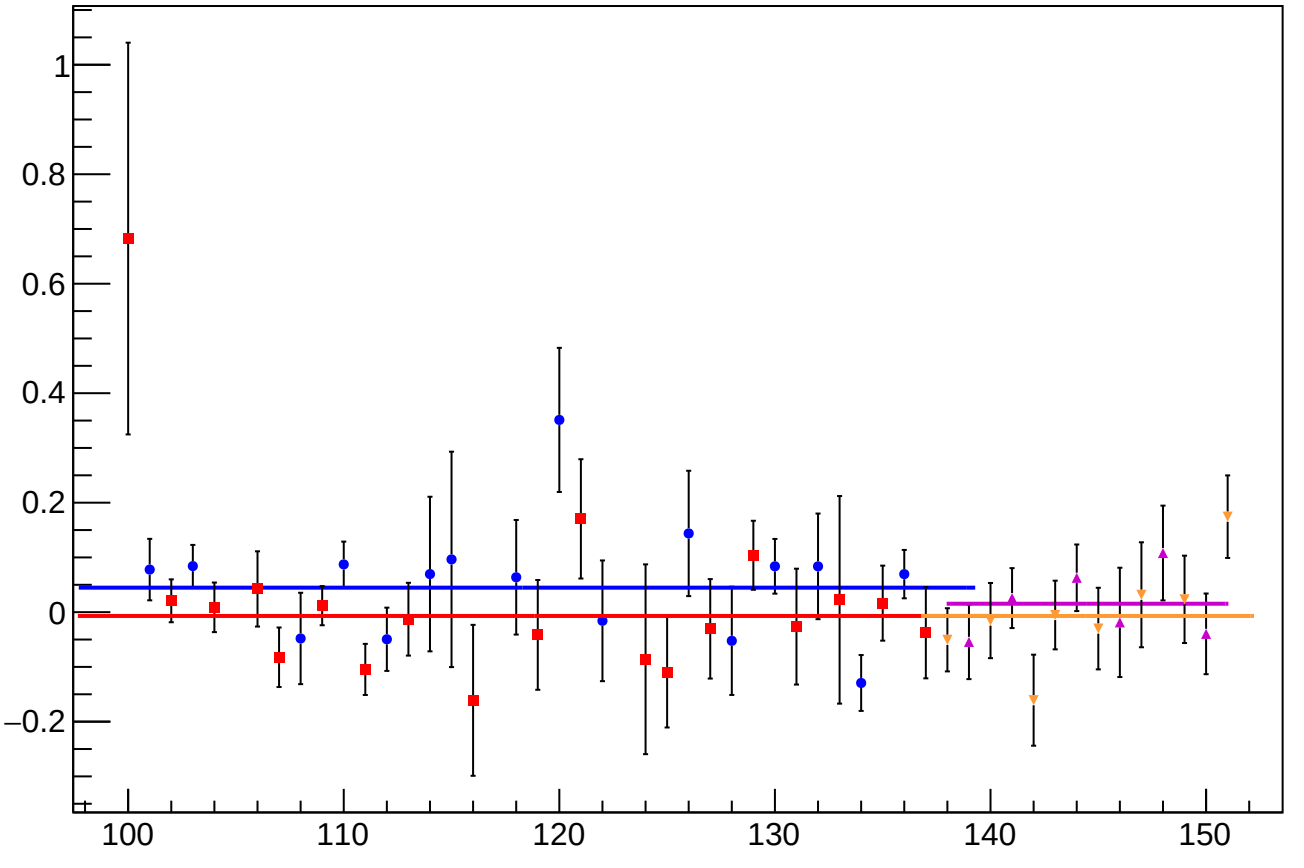
Left: 0.000+/-0.000 χ^2/NDF: 681750.2/13

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2291770.4/21

Out: 0.000+/-0.000 χ^2/NDF:2248482.8/26

All: 0.000+/-0.000 χ^2/NDF: 4546358.7/48



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.007+/-0.026 χ^2/NDF:10.2/7

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.015+/-0.028 χ^2/NDF:3.5/5

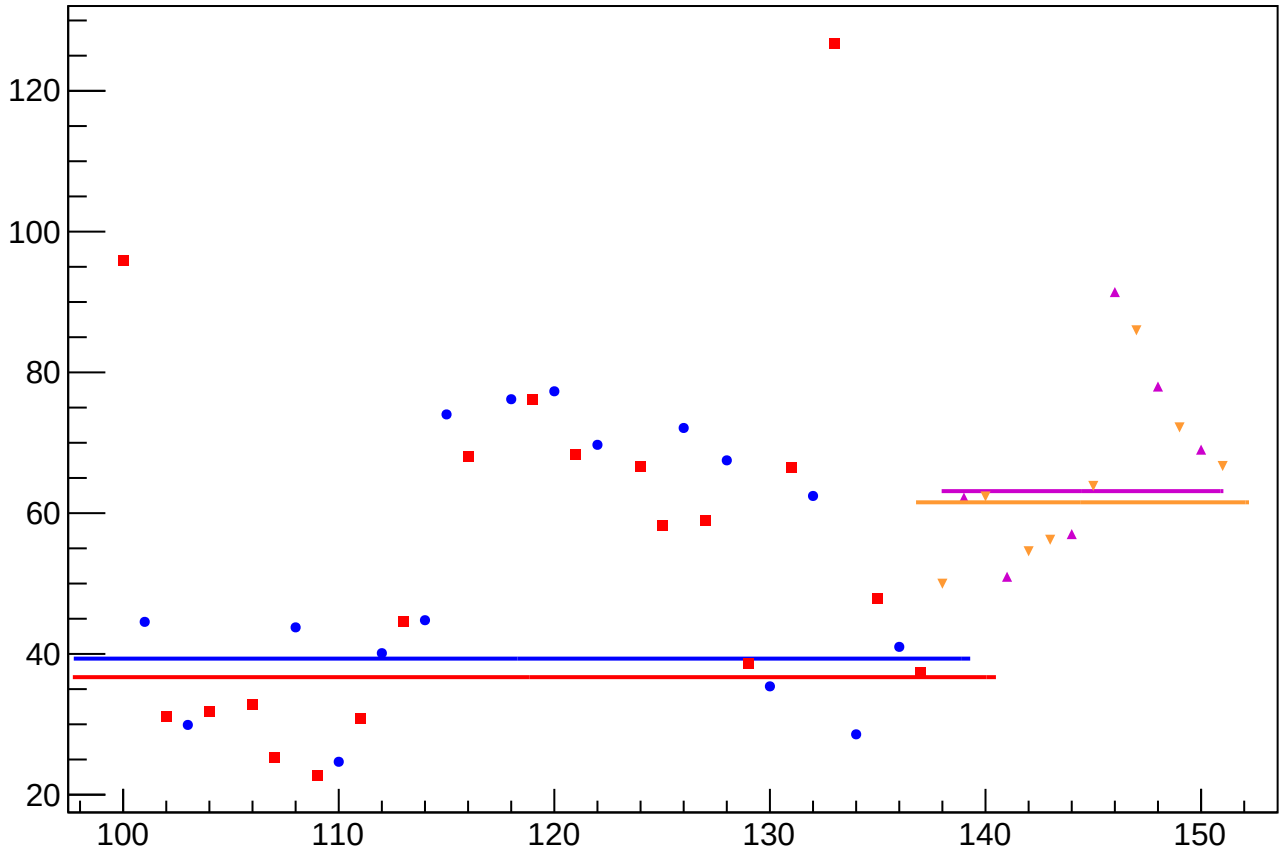
Left: 0.003+/-0.019 χ^2/NDF: 14.1/13

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.038+/-0.014 χ^2/NDF:30.9/21

Out: -0.007+/-0.013 χ^2/NDF:30.4/26

All: 0.014+/-0.010 χ^2/NDF: 66.8/48



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 61.541+/-0.018 χ^2/NDF:285803.3/7

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 63.130+/-0.020 χ^2/NDF:351403.4/5

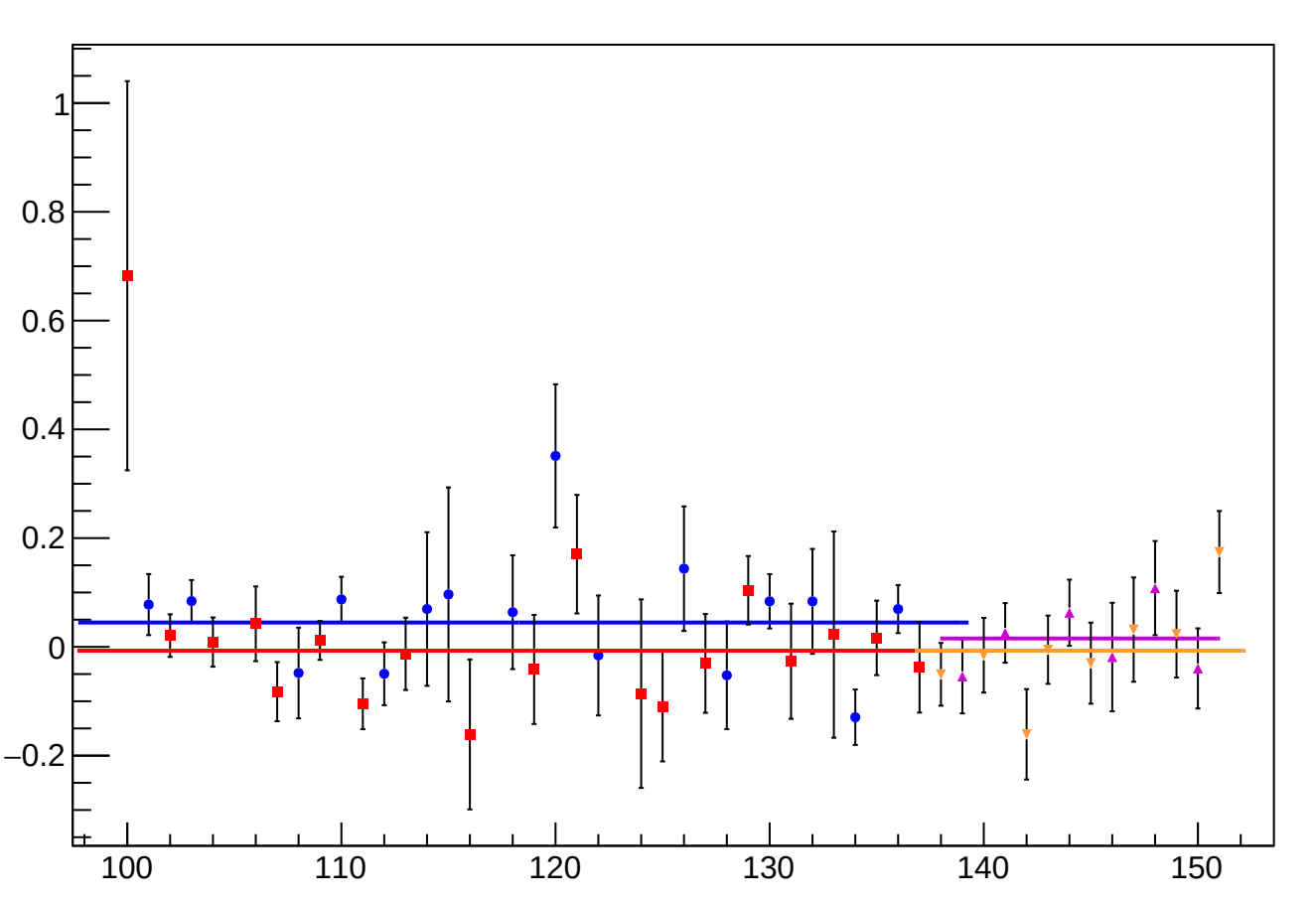
Left: 62.251+/-0.013 χ^2/NDF: 640666.3/13

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.073+/-0.010 χ^2/NDF:2981749.5/21

Out: 43.140+/-0.009 χ^2/NDF:3783744.1/26

All: 44.038+/-0.007 χ^2/NDF: 6786029.2/48



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.007+/-0.026 χ^2/NDF:10.2/7

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.015+/-0.028 χ^2/NDF:3.5/5

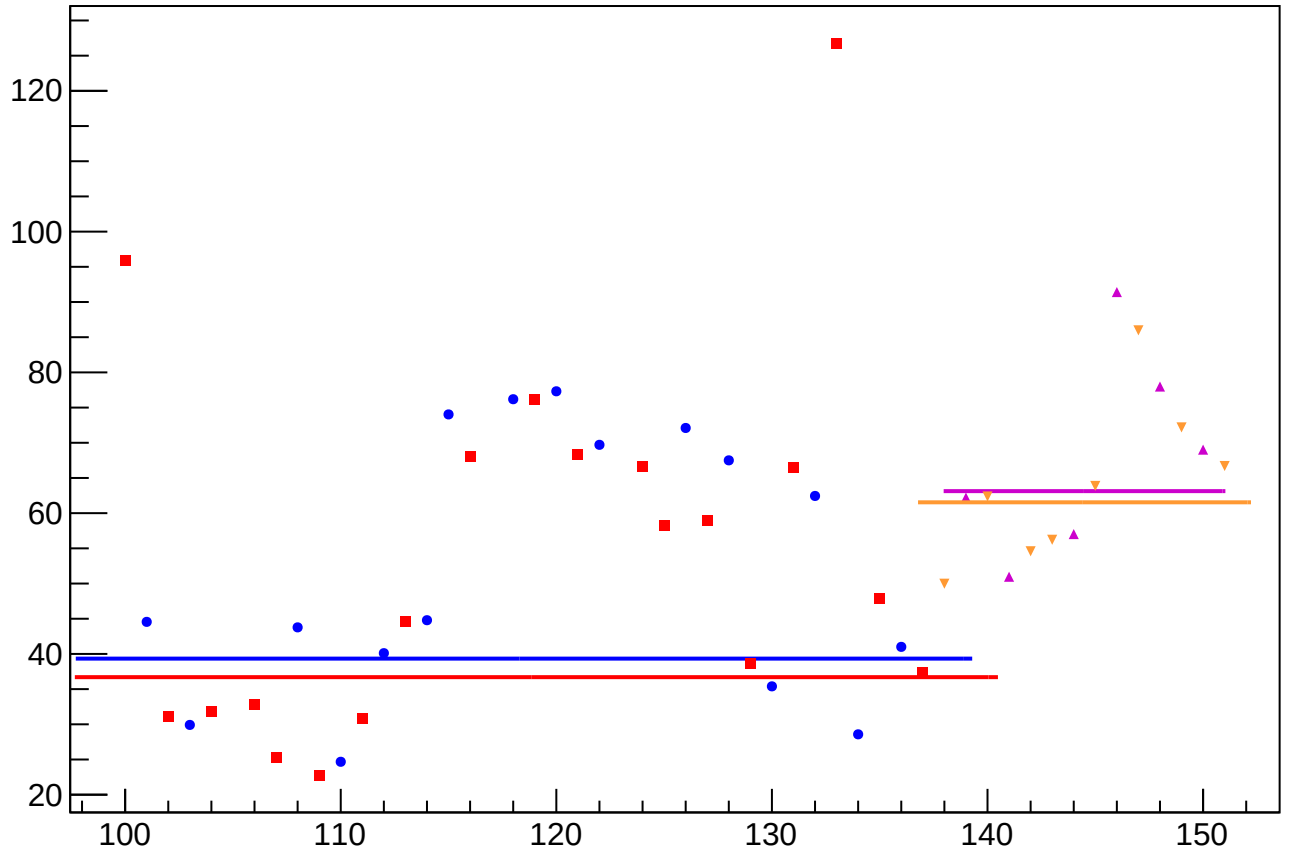
Left: 0.003+/-0.019 χ^2/NDF: 14.1/13

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.038+/-0.014 χ^2/NDF:30.9/21

Out: -0.007+/-0.013 χ^2/NDF:30.4/26

All: 0.014+/-0.010 χ^2/NDF: 66.8/48



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 61.541+/-0.018 χ^2/NDF:285803.3/7

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 63.130+/-0.020 χ^2/NDF:351403.4/5

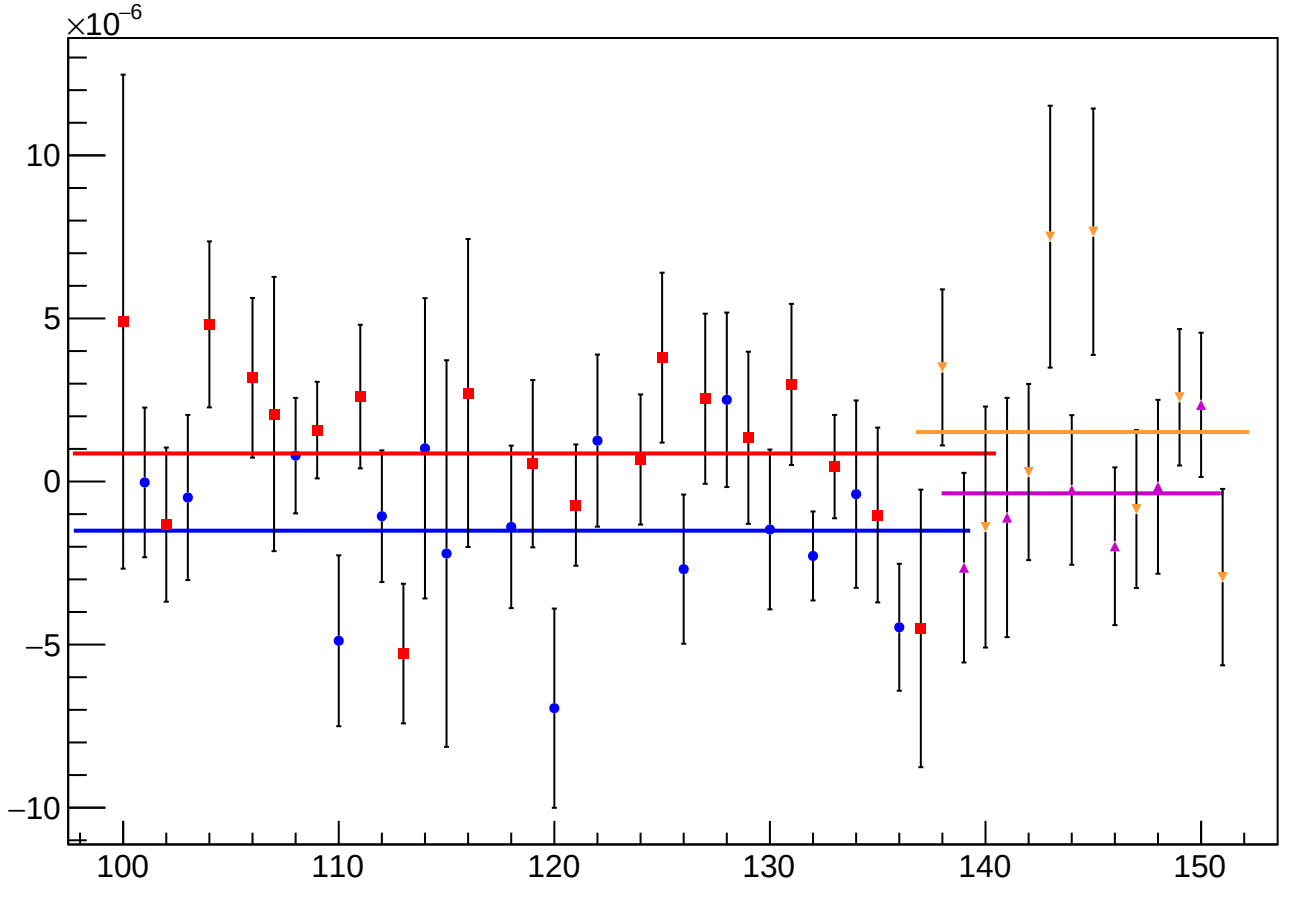
Left: 62.251+/-0.013 χ^2/NDF: 640666.3/13

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.073+/-0.010 χ^2/NDF:2981749.5/21

Out: 43.140+/-0.009 χ^2/NDF:3783744.1/26

All: 44.038+/-0.007 χ^2/NDF: 6786029.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/5

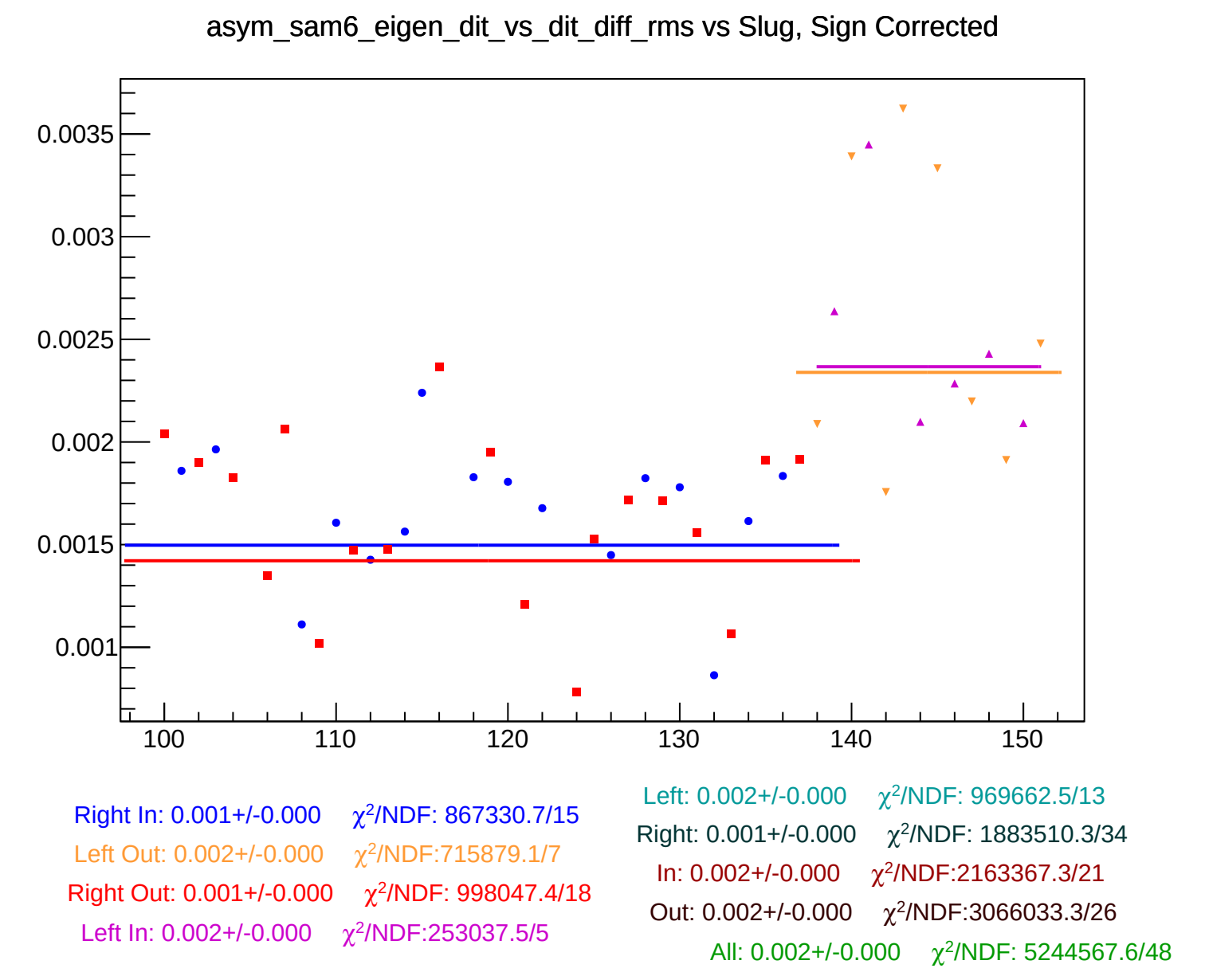
Left: 0.000+/-0.000 χ^2/NDF: 14.6/13

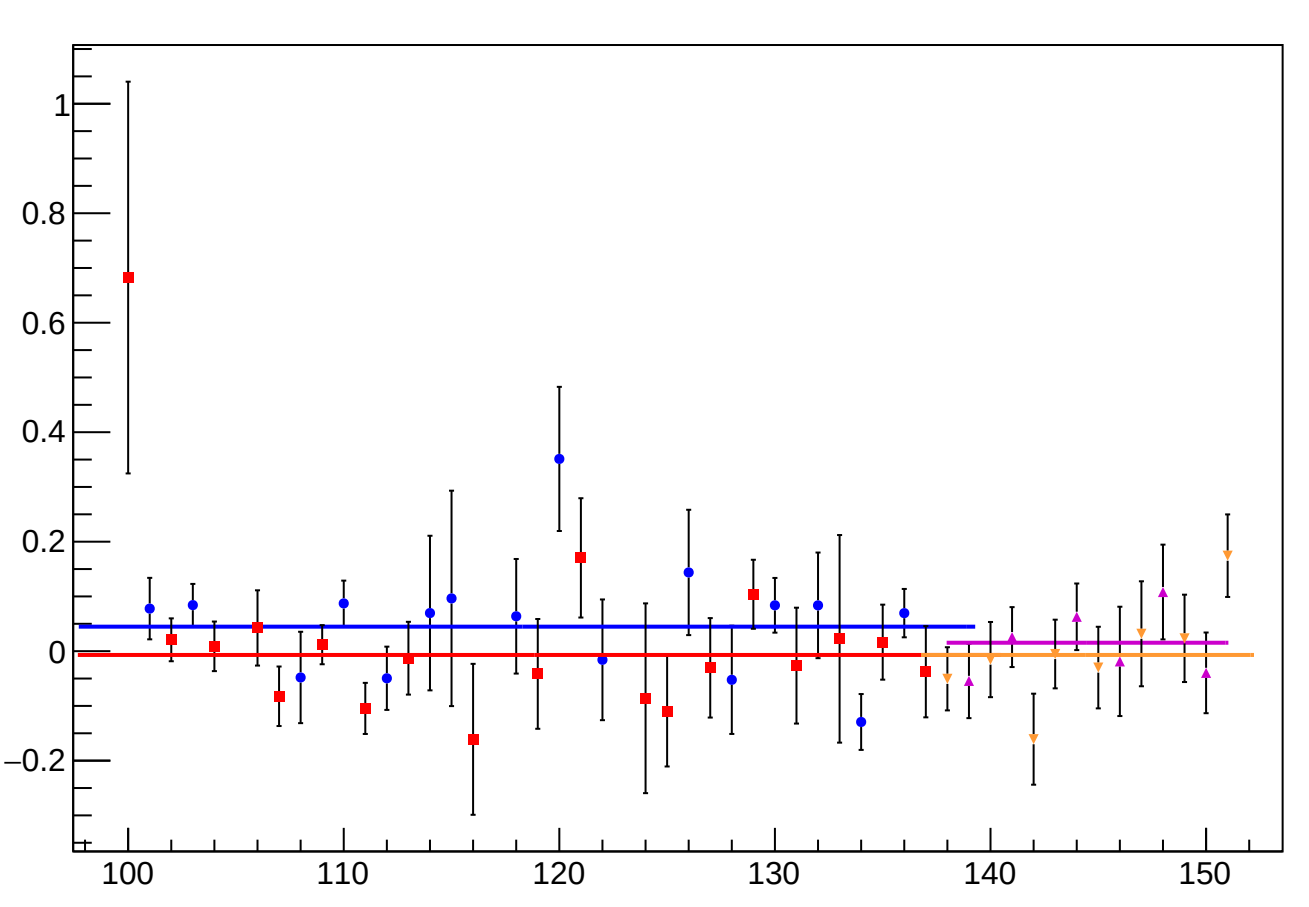
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:17.4/21

Out: 0.000+/-0.000 χ^2/NDF:29.8/26

All: -0.000+/-0.000 χ^2/NDF: 57.7/48


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:715879.1/7
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.002+/-0.000 χ²/NDF:253037.5/5
Left: 0.002+/-0.000 χ²/NDF: 969662.5/13
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:2163367.3/21
Out: 0.002+/-0.000 χ²/NDF:3066033.3/26
All: 0.002+/-0.000 χ²/NDF: 5244567.6/48



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: -0.007+/-0.026 χ^2/NDF:10.2/7

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.015+/-0.028 χ^2/NDF:3.5/5

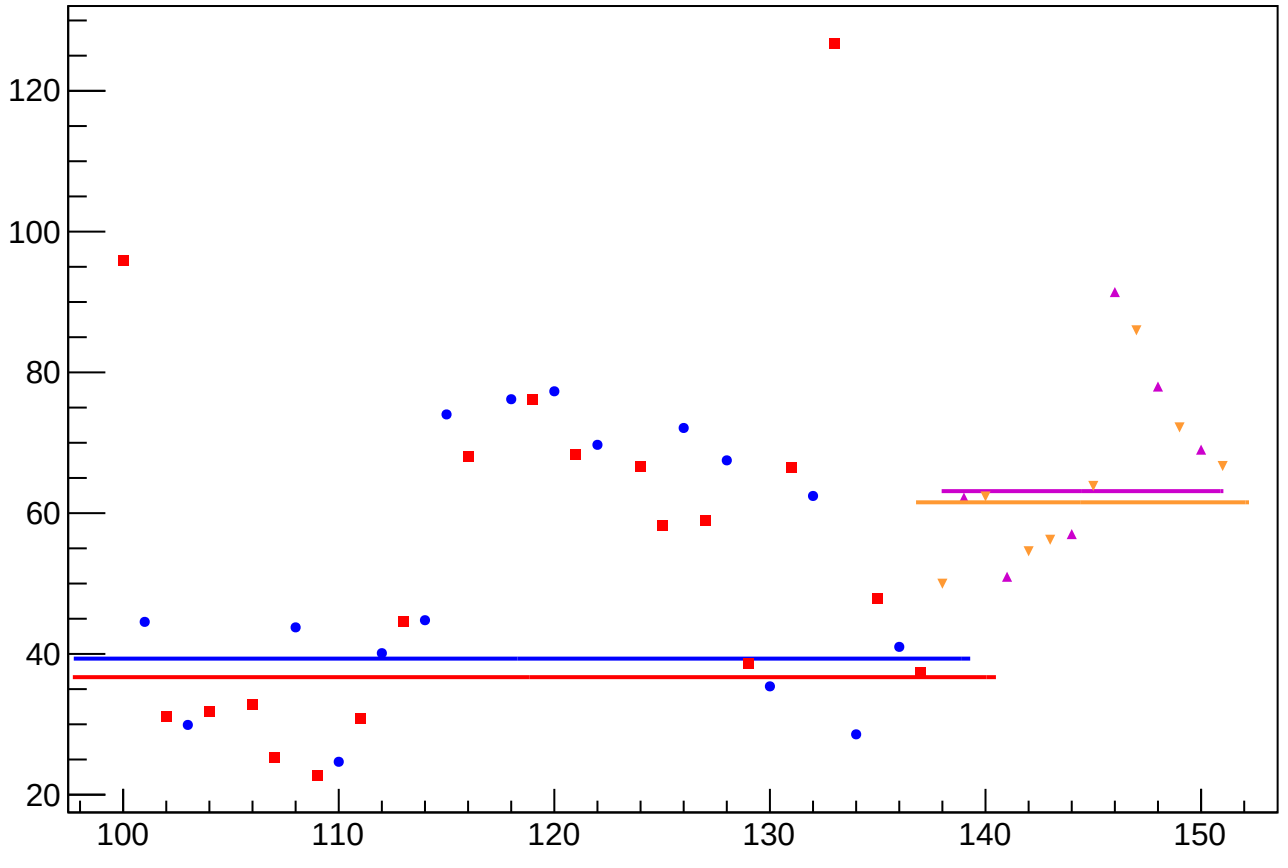
Left: 0.003+/-0.019 χ^2/NDF: 14.1/13

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.038+/-0.014 χ^2/NDF:30.9/21

Out: -0.007+/-0.013 χ^2/NDF:30.4/26

All: 0.014+/-0.010 χ^2/NDF: 66.8/48



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 61.540+/-0.018 χ^2/NDF:285793.3/7

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 63.129+/-0.020 χ^2/NDF:351413.6/5

Left: 62.250+/-0.013 χ^2/NDF: 640666.5/13

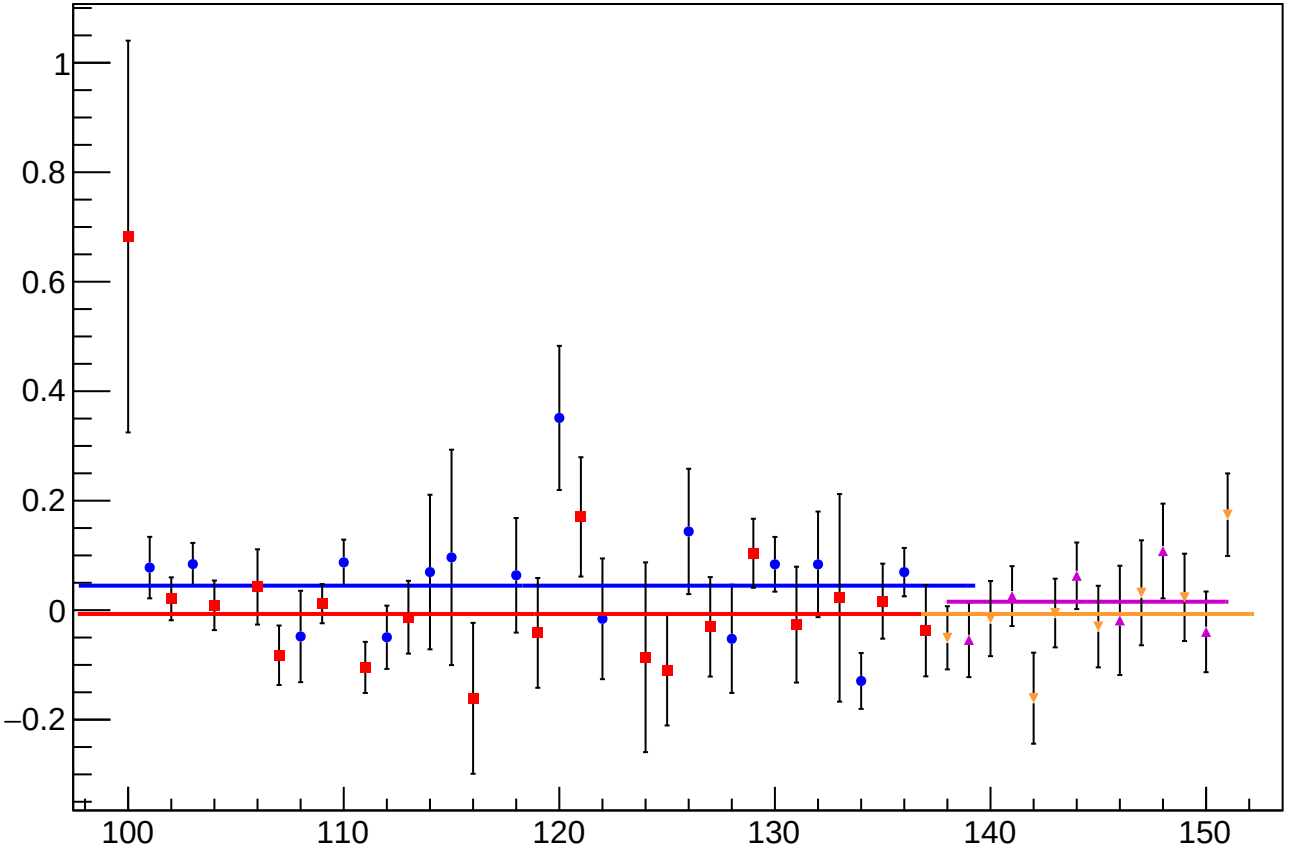
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.072+/-0.010 χ^2/NDF:2981788.6/21

Out: 43.139+/-0.009 χ^2/NDF:3783708.6/26

All: 44.037+/-0.007 χ^2/NDF: 6786027.5/48

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: -0.007+/-0.026 χ^2/NDF:10.2/7

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.015+/-0.028 χ^2/NDF:3.5/5

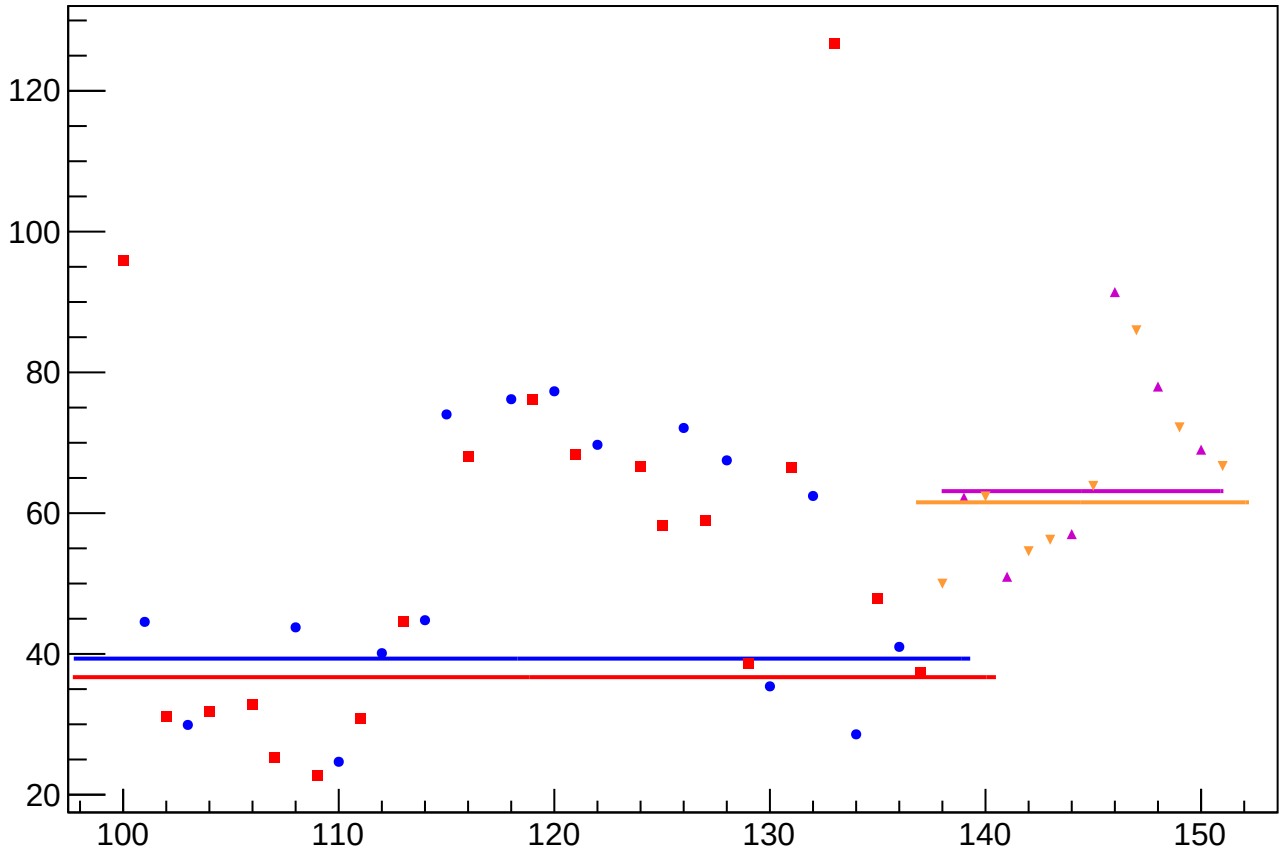
Left: 0.003+/-0.019 χ^2/NDF: 14.1/13

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.038+/-0.014 χ^2/NDF:30.9/21

Out: -0.007+/-0.013 χ^2/NDF:30.4/26

All: 0.014+/-0.010 χ^2/NDF: 66.8/48



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 61.540+/-0.018 χ^2/NDF:285793.3/7

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 63.129+/-0.020 χ^2/NDF:351413.6/5

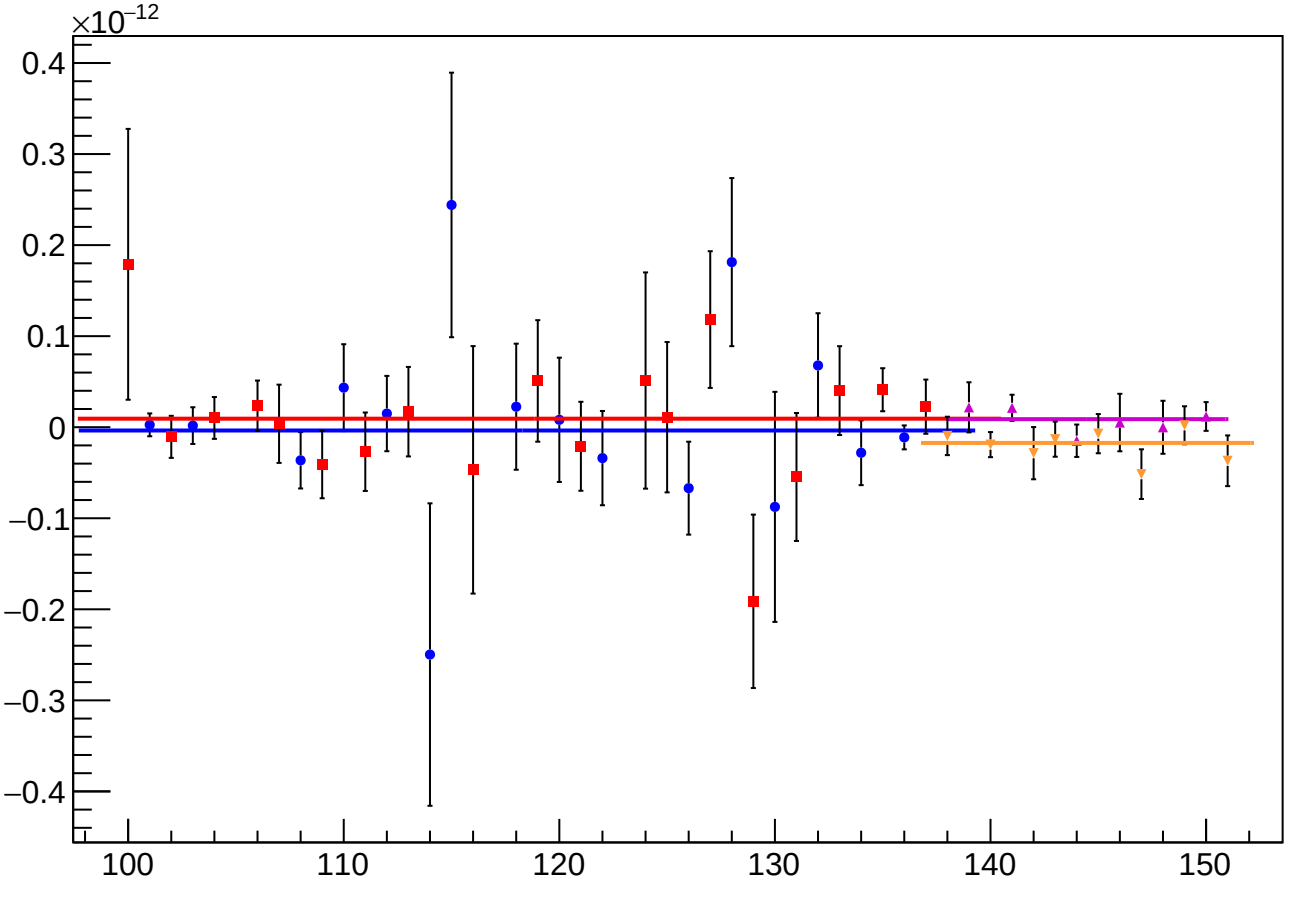
Left: 62.250+/-0.013 χ^2/NDF: 640666.5/13

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.072+/-0.010 χ^2/NDF:2981788.6/21

Out: 43.139+/-0.009 χ^2/NDF:3783708.6/26

All: 44.037+/-0.007 χ^2/NDF: 6786027.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/5

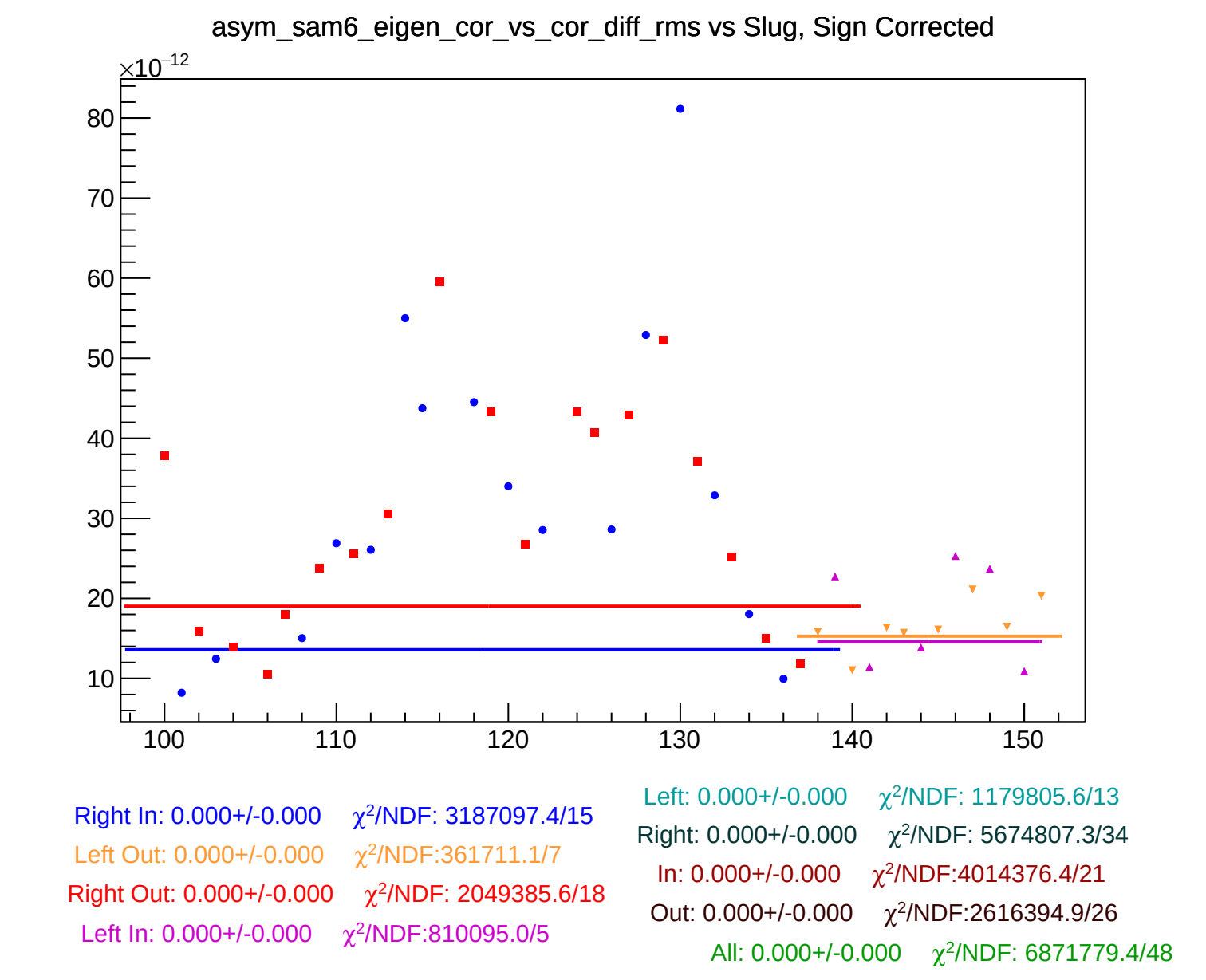
Left: -0.000+/-0.000 χ^2/NDF: 12.2/13

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

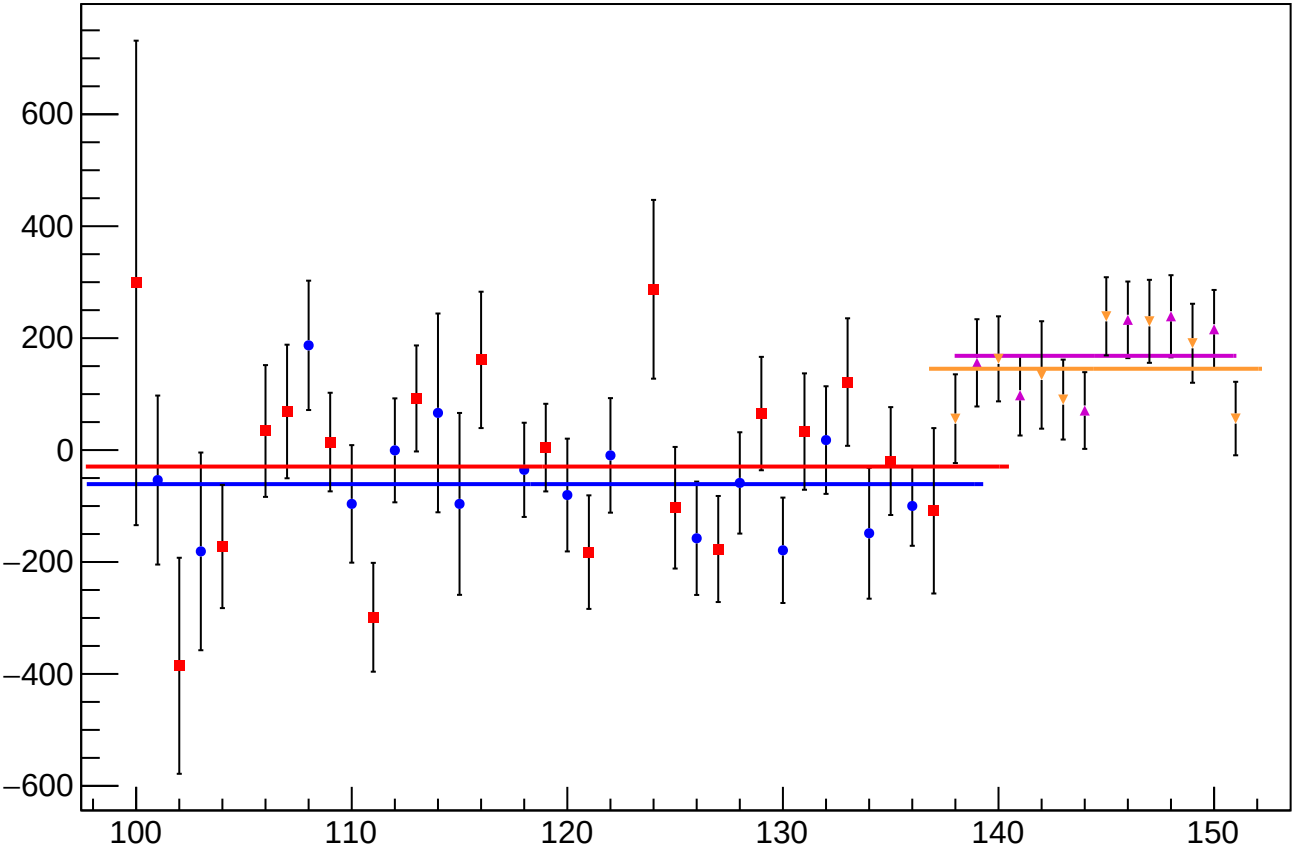
In: 0.000+/-0.000 χ^2/NDF:20.8/21

Out: -0.000+/-0.000 χ^2/NDF:24.4/26

All: -0.000+/-0.000 χ^2/NDF: 46.5/48


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:361711.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:810095.0/5
Left: 0.000+/-0.000 χ²/NDF: 1179805.6/13
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4014376.4/21
Out: 0.000+/-0.000 χ²/NDF:2616394.9/26
All: 0.000+/-0.000 χ²/NDF: 6871779.4/48

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 145.297+/-26.203 χ^2/NDF:7.3/7

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 168.408+/-29.203 χ^2/NDF:5.3/5

Left: 155.605+/-19.503 χ^2/NDF: 12.9/13

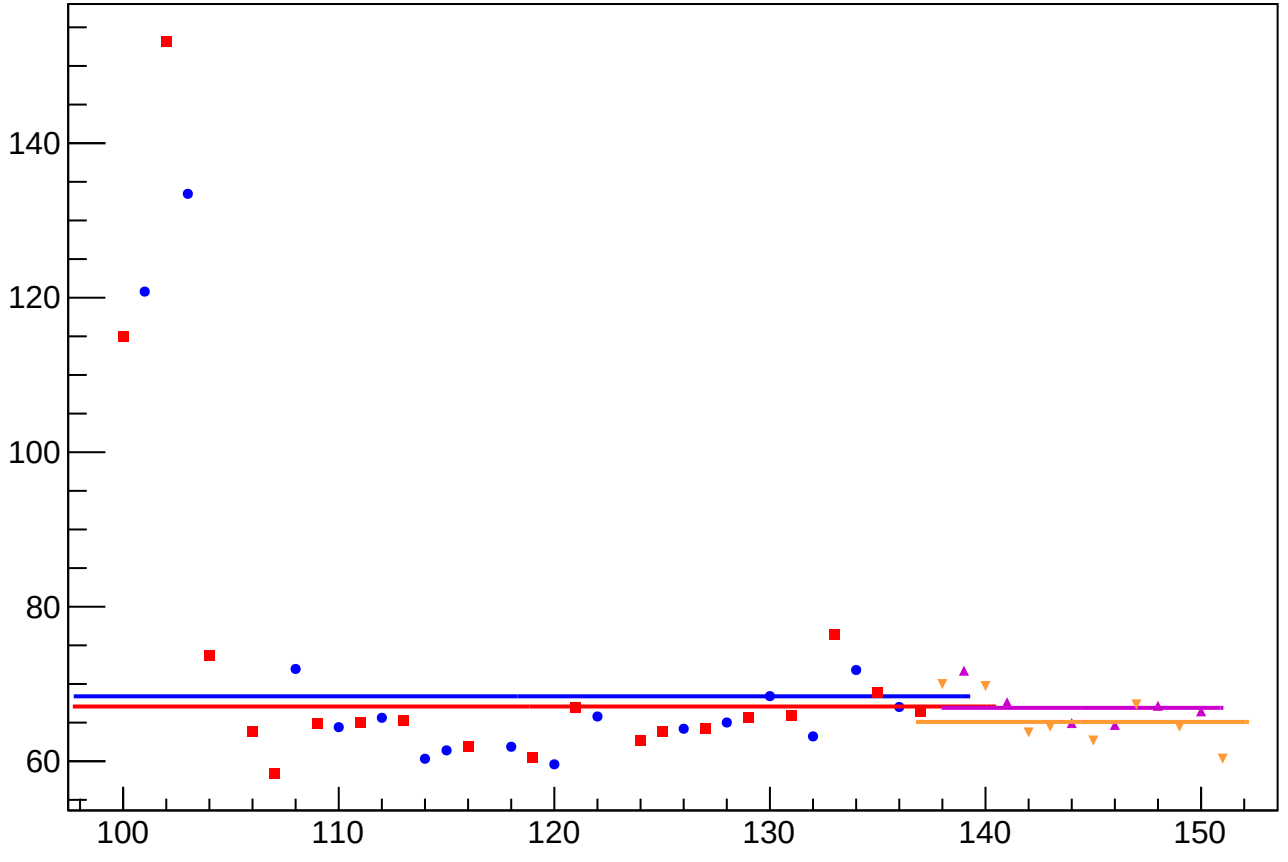
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 40.758+/-19.441 χ^2/NDF:50.2/21

Out: 54.185+/-18.128 χ^2/NDF:61.7/26

All: 47.940+/-13.258 χ^2/NDF: 112.1/48

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 65.090+/-0.019 χ^2/NDF:30524.2/7

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 66.912+/-0.021 χ^2/NDF:11653.7/5

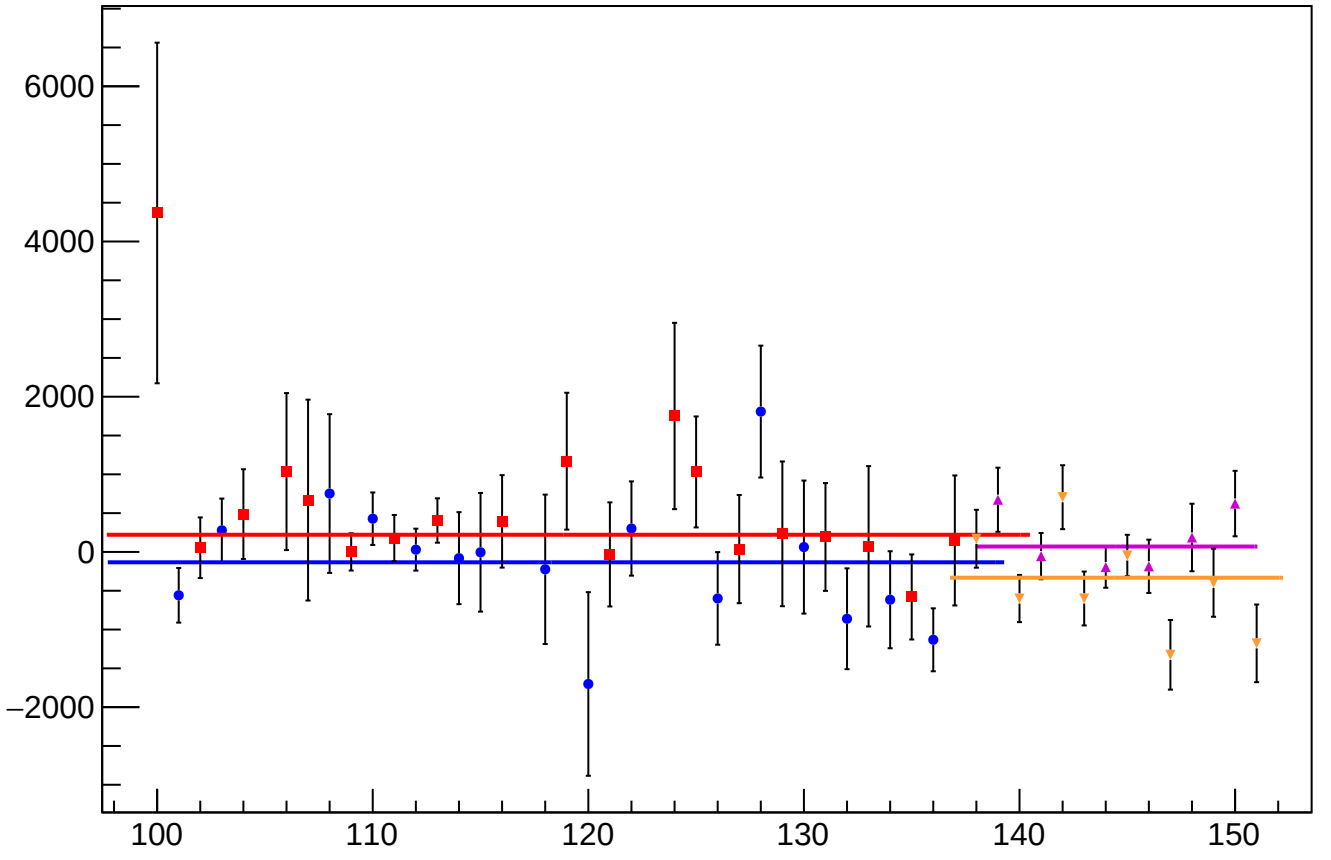
Left: 65.903+/-0.014 χ^2/NDF: 46488.8/13

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 67.742+/-0.014 χ^2/NDF:584116.8/21

Out: 66.131+/-0.013 χ^2/NDF:518388.2/26

All: 66.880+/-0.009 χ^2/NDF: 1109856.8/48



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -332.087+/-128.593 χ^2/NDF:18.5/7

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 69.620+/-140.634 χ^2/NDF:5.6/5

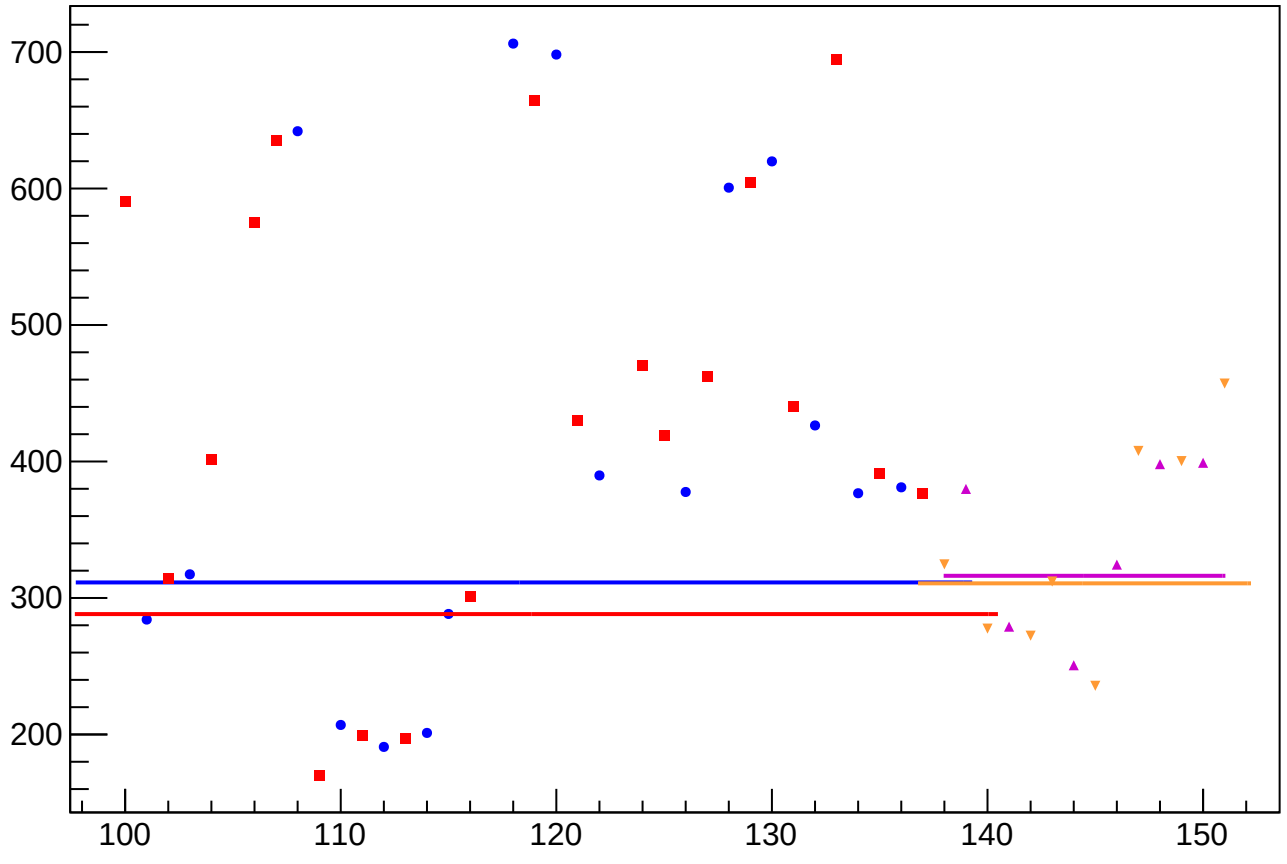
Left: -149.165+/-94.901 χ^2/NDF: 28.5/13

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -43.182+/-93.804 χ^2/NDF:29.3/21

Out: -31.146+/-86.856 χ^2/NDF:41.1/26

All: -36.702+/-63.731 χ^2/NDF: 70.3/48



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 310.722+/-0.091 χ^2/NDF:550997.3/7

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 316.253+/-0.099 χ^2/NDF:348525.0/5

Left: 313.240+/-0.067 χ^2/NDF: 901207.1/13

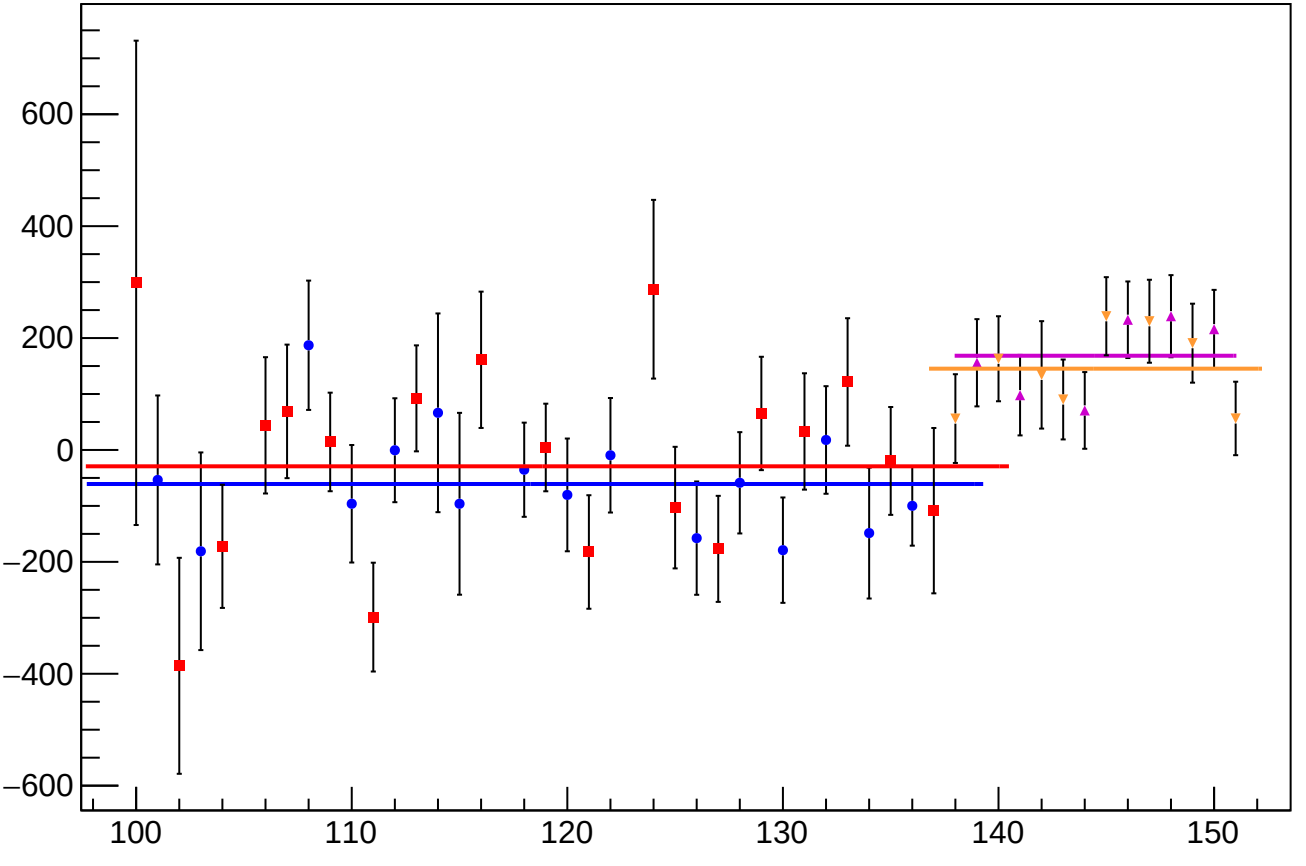
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 313.551+/-0.066 χ^2/NDF:2473652.0/21

Out: 298.477+/-0.061 χ^2/NDF:3299723.8/26

All: 305.435+/-0.045 χ^2/NDF: 5801183.0/48

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 145.298+/-26.203 χ^2/NDF:7.3/7

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 168.406+/-29.203 χ^2/NDF:5.3/5

Left: 155.605+/-19.503 χ^2/NDF: 12.9/13

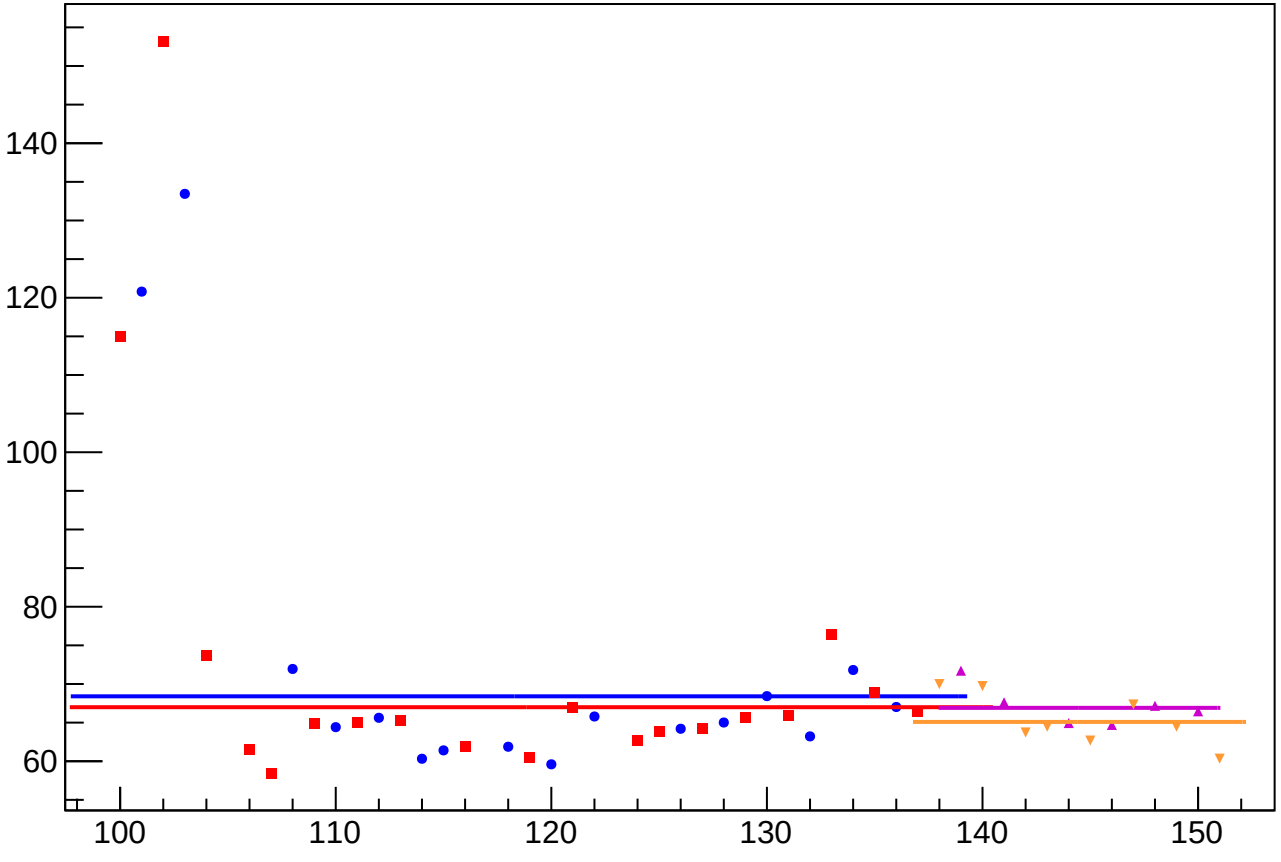
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 40.756+/-19.441 χ^2/NDF:50.2/21

Out: 54.437+/-18.142 χ^2/NDF:61.7/26

All: 48.069+/-13.264 χ^2/NDF: 112.1/48

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 65.090+/-0.019 χ^2/NDF:30524.2/7

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.912+/-0.021 χ^2/NDF:11653.7/5

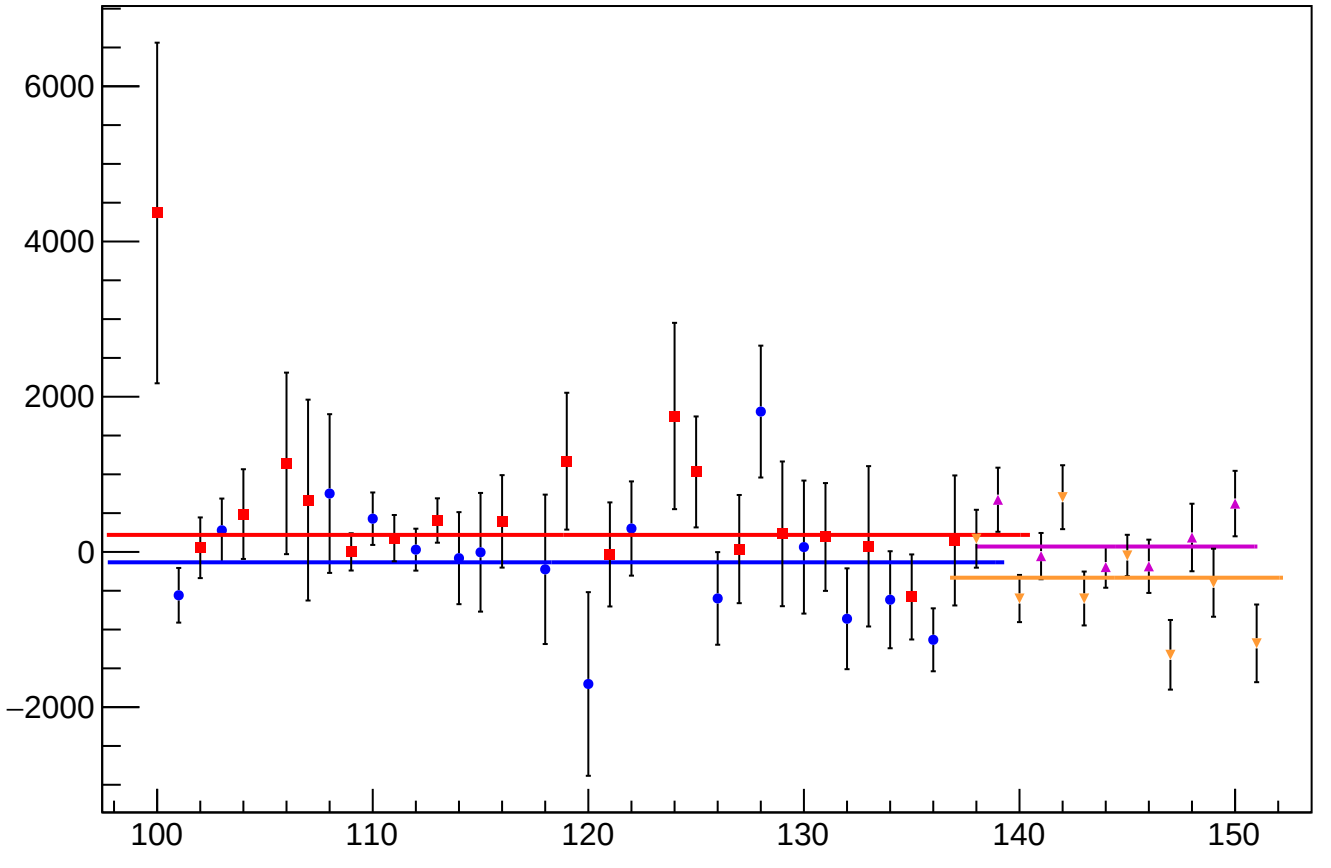
Left: 65.903+/-0.014 χ^2/NDF: 46488.8/13

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.742+/-0.014 χ^2/NDF:584117.1/21

Out: 66.082+/-0.013 χ^2/NDF:520513.2/26

All: 66.855+/-0.009 χ^2/NDF: 1112429.6/48



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -332.084+/-128.593 χ^2/NDF:18.5/7

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 69.616+/-140.635 χ^2/NDF:5.6/5

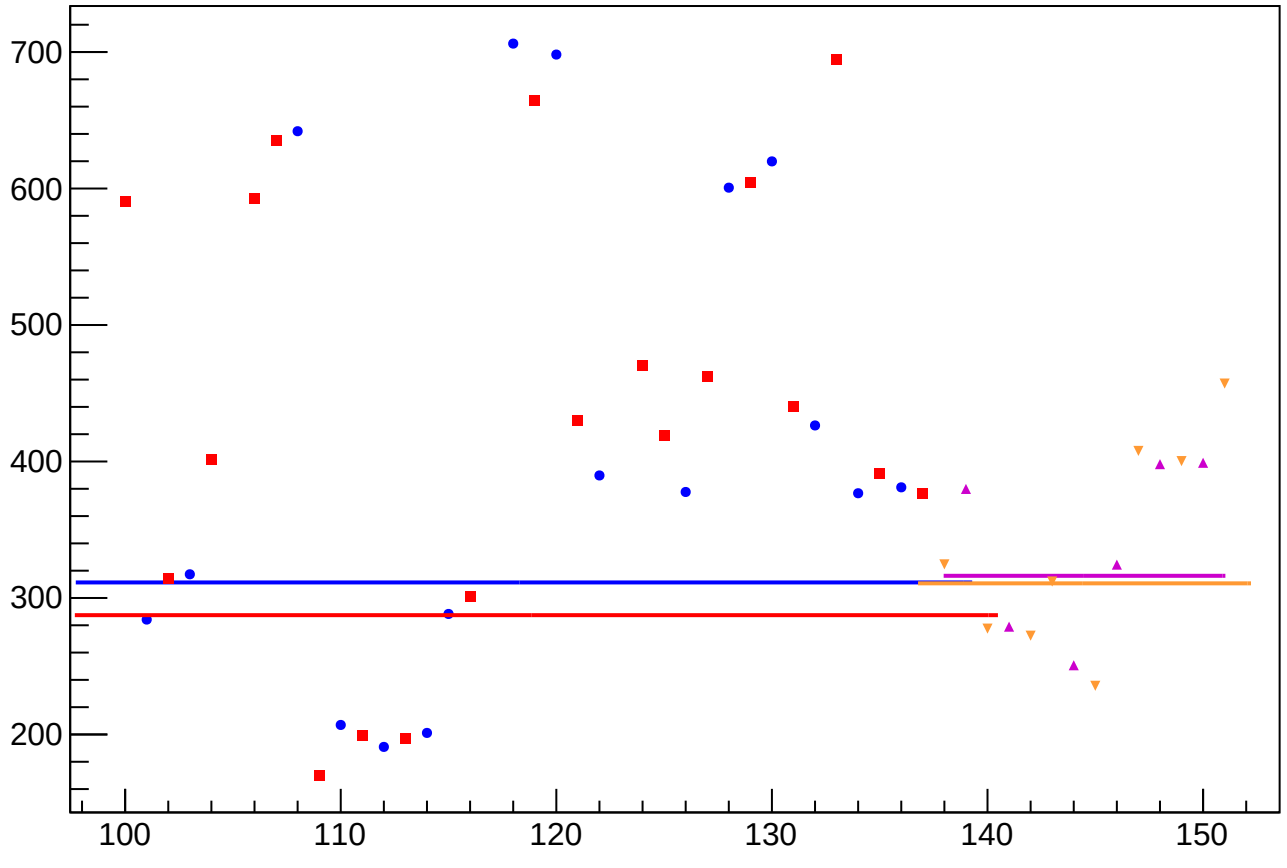
Left: -149.165+/-94.901 χ^2/NDF: 28.5/13

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -43.181+/-93.805 χ^2/NDF:29.3/21

Out: -32.555+/-86.938 χ^2/NDF:41.0/26

All: -37.465+/-63.764 χ^2/NDF: 70.2/48



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 310.721+/-0.091 χ^2/NDF:550999.4/7

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 316.253+/-0.099 χ^2/NDF:348524.0/5

Left: 313.240+/-0.067 χ^2/NDF: 901208.5/13

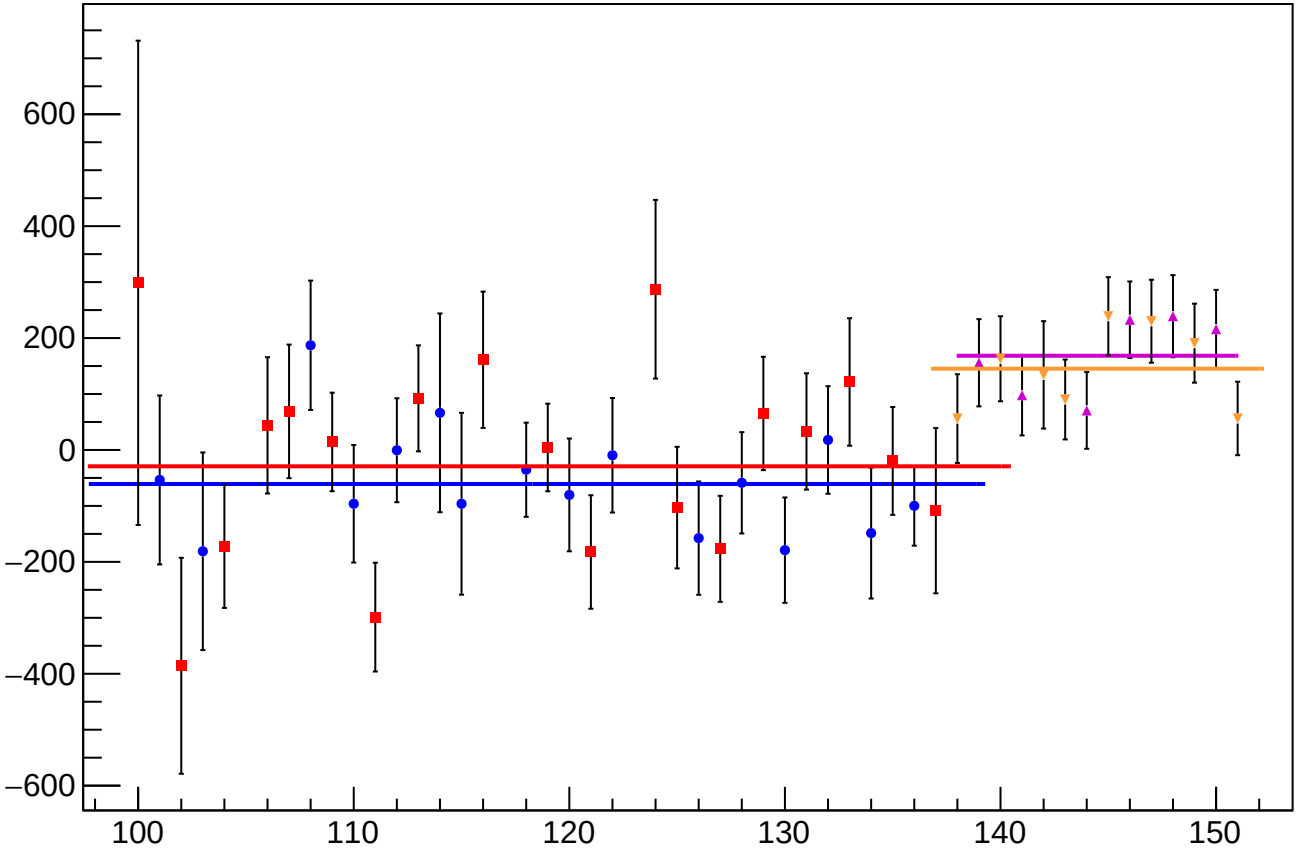
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 313.552+/-0.066 χ^2/NDF:2473651.4/21

Out: 298.067+/-0.061 χ^2/NDF:3276931.7/26

All: 305.222+/-0.045 χ^2/NDF: 5779903.5/48

eigen_cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 145.298+/-26.203 χ^2/NDF:7.3/7

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 168.406+/-29.203 χ^2/NDF:5.3/5

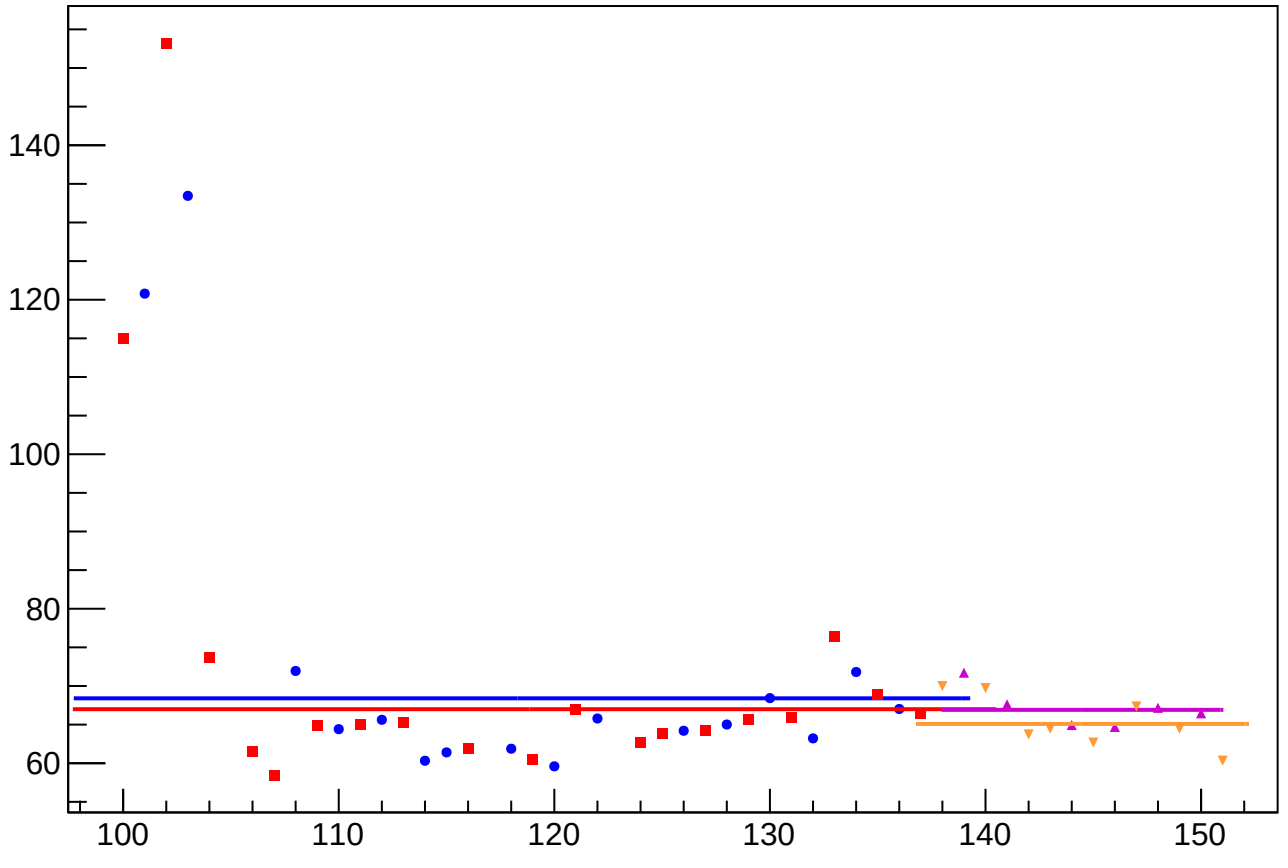
Left: 155.605+/-19.503 χ^2/NDF: 12.9/13

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 40.756+/-19.441 χ^2/NDF:50.2/21

Out: 54.437+/-18.142 χ^2/NDF:61.7/26

All: 48.069+/-13.264 χ^2/NDF: 112.1/48



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 65.090+/-0.019 χ^2/NDF:30524.2/7

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.912+/-0.021 χ^2/NDF:11653.7/5

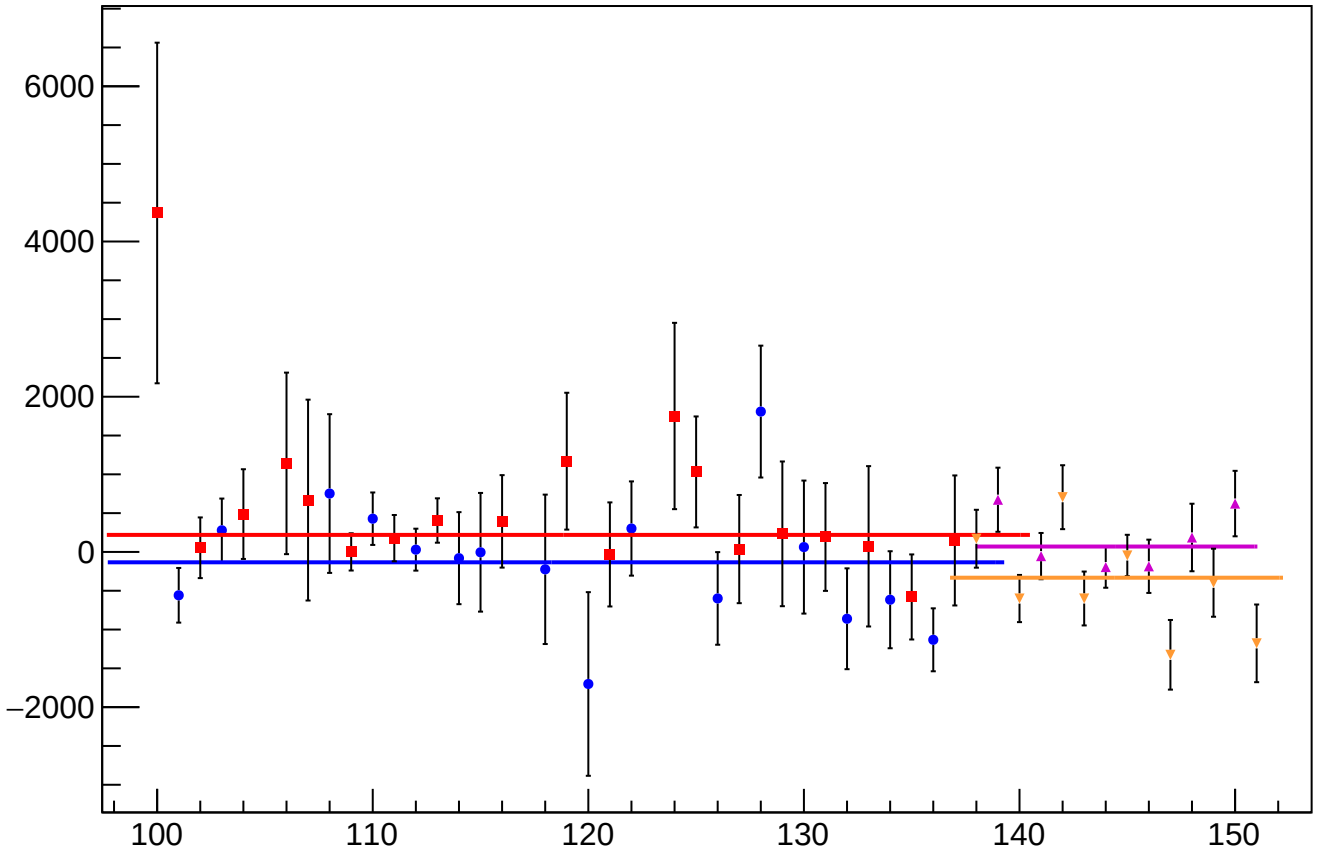
Left: 65.903+/-0.014 χ^2/NDF: 46488.8/13

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.742+/-0.014 χ^2/NDF:584117.1/21

Out: 66.082+/-0.013 χ^2/NDF:520513.2/26

All: 66.855+/-0.009 χ^2/NDF: 1112429.6/48



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -332.084+/-128.593 χ^2/NDF:18.5/7

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 69.616+/-140.635 χ^2/NDF:5.6/5

Left: -149.165+/-94.901 χ^2/NDF: 28.5/13

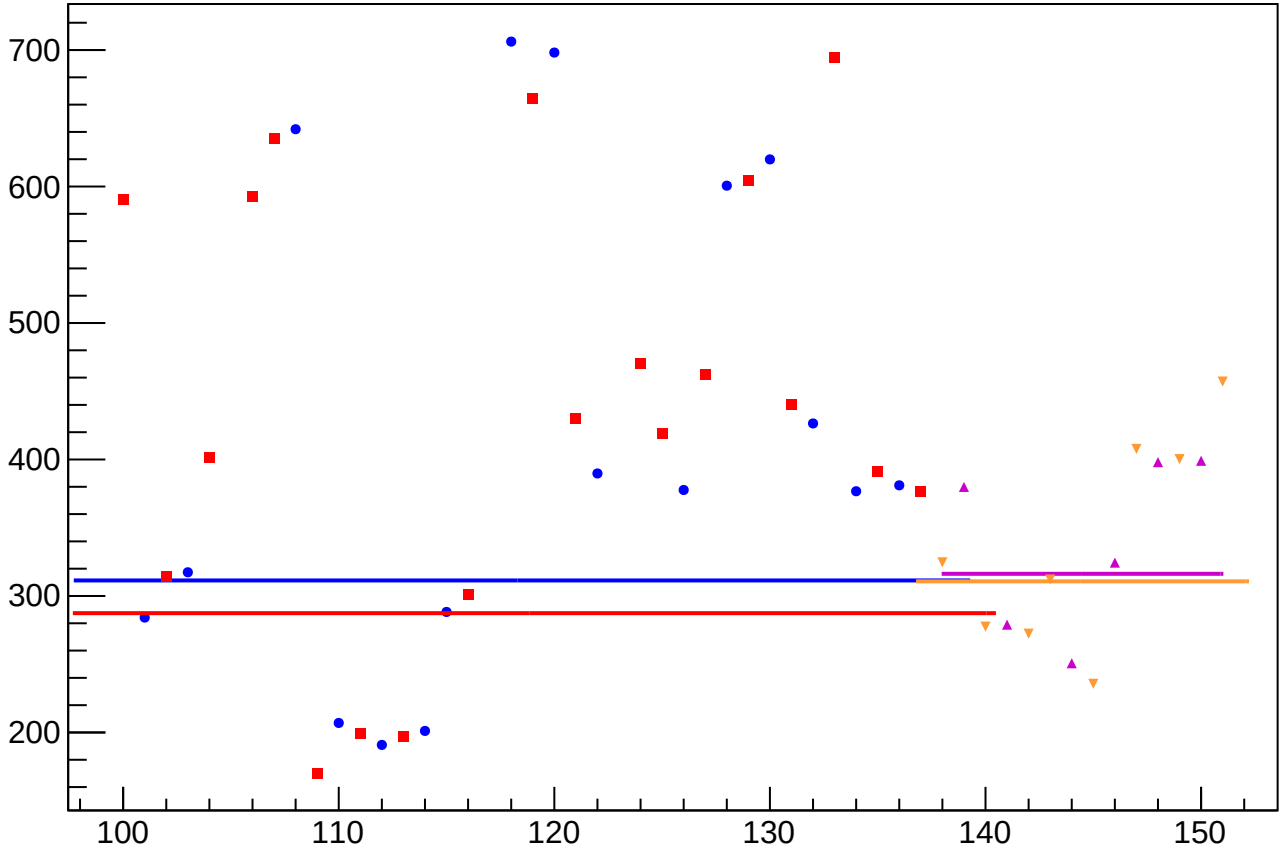
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -43.181+/-93.805 χ^2/NDF:29.3/21

Out: -32.555+/-86.938 χ^2/NDF:41.0/26

All: -37.465+/-63.764 χ^2/NDF: 70.2/48

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 310.721+/-0.091 χ^2/NDF:550999.4/7

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 316.253+/-0.099 χ^2/NDF:348524.0/5

Left: 313.240+/-0.067 χ^2/NDF: 901208.5/13

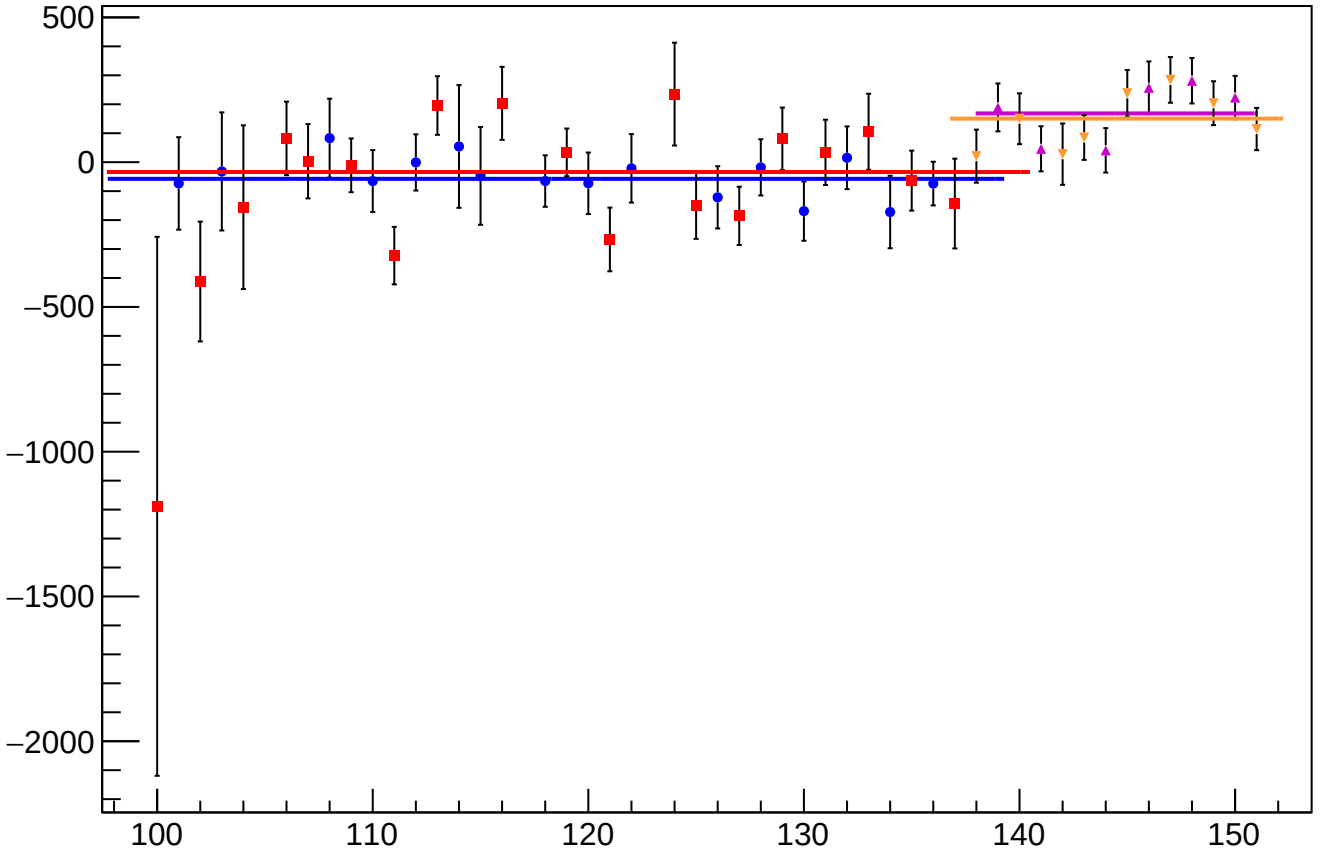
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 313.552+/-0.066 χ^2/NDF:2473651.4/21

Out: 298.067+/-0.061 χ^2/NDF:3276931.7/26

All: 305.222+/-0.045 χ^2/NDF: 5779903.5/48

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 150.536+/-29.103 χ^2/NDF:8.8/7

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 168.417+/-32.587 χ^2/NDF:8.8/5

Left: 158.470+/-21.706 χ^2/NDF: 17.8/13

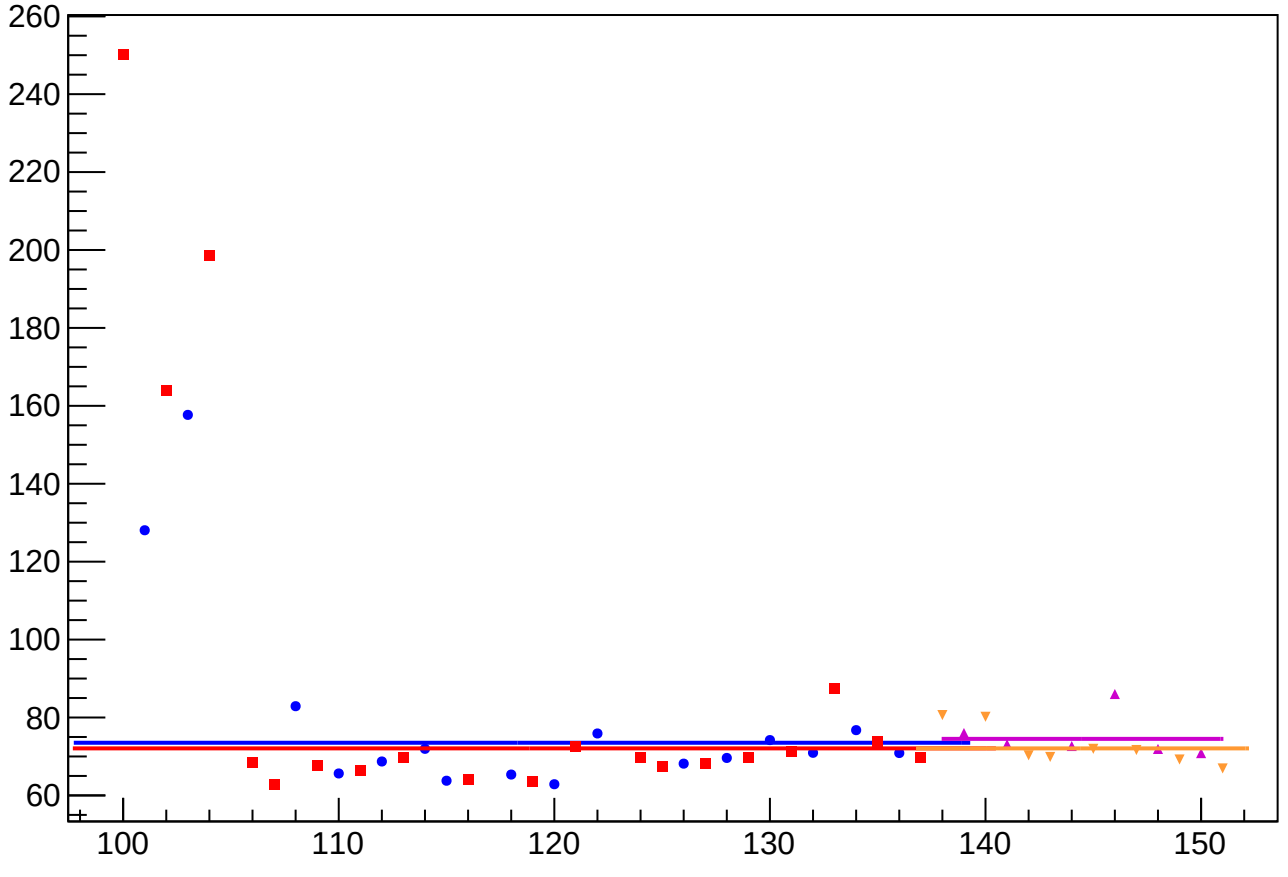
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 38.777+/-21.275 χ^2/NDF:41.3/21

Out: 52.687+/-19.949 χ^2/NDF:67.3/26

All: 46.179+/-14.552 χ^2/NDF: 108.8/48

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 72.071+/-0.021 χ^2/NDF:49447.7/7

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 74.517+/-0.023 χ^2/NDF:41417.3/5

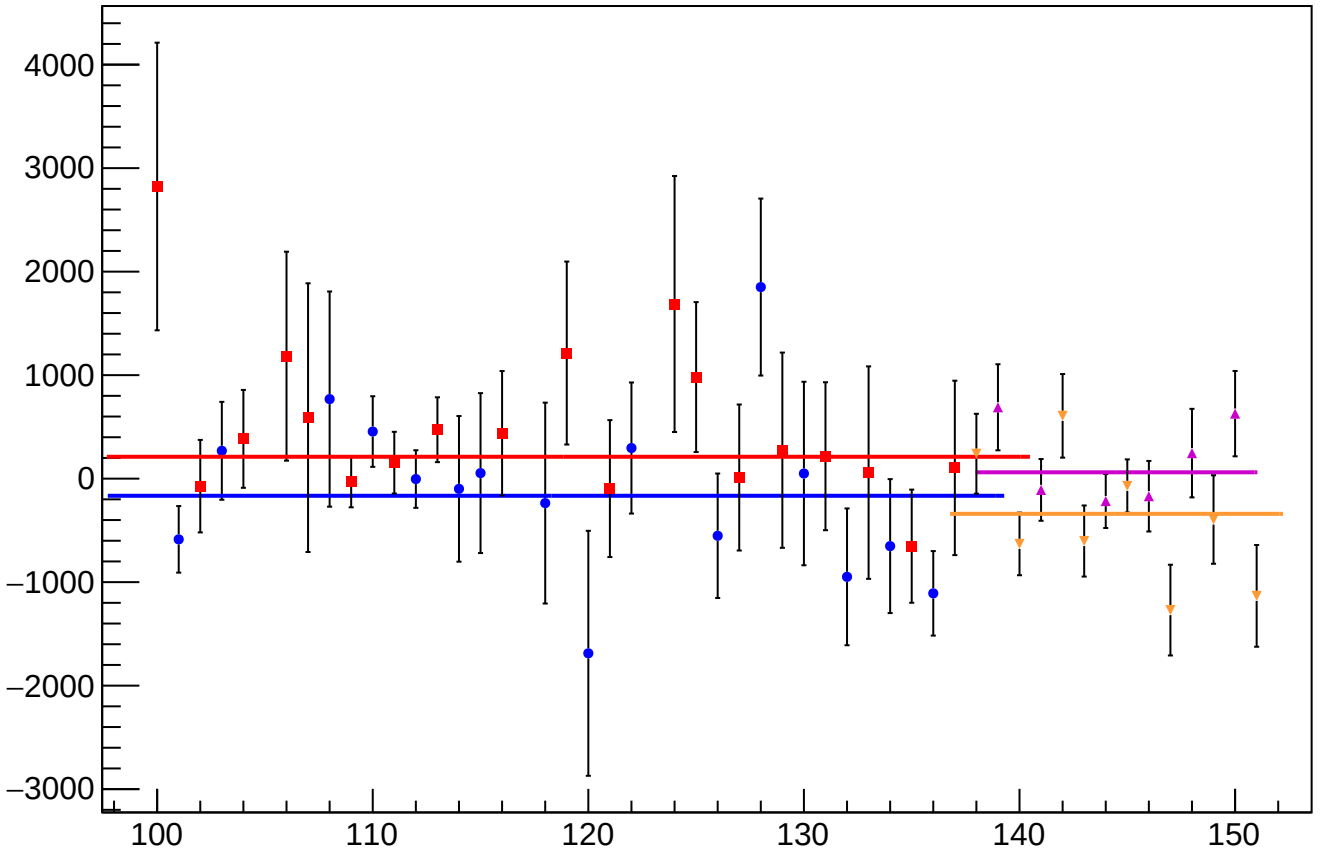
Left: 73.156+/-0.015 χ^2/NDF: 97130.3/13

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 73.944+/-0.015 χ^2/NDF:699340.5/21

Out: 72.073+/-0.014 χ^2/NDF:1007942.7/26

All: 72.948+/-0.010 χ^2/NDF: 1715519.3/48



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -340.157+/-126.728 χ^2/NDF:17.5/7

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 61.245+/-139.089 χ^2/NDF:6.3/5

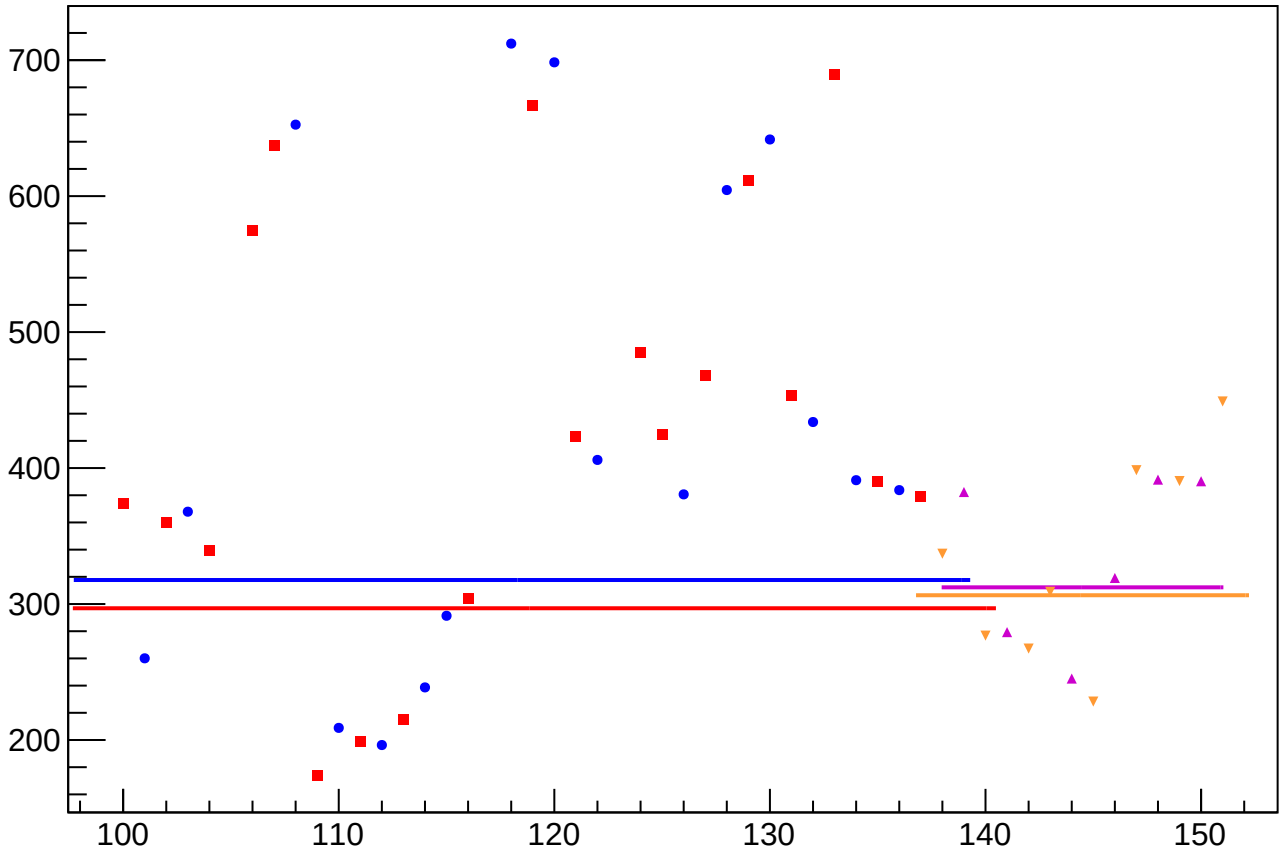
Left: -158.082+/-93.676 χ^2/NDF: 28.3/13

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -61.141+/-94.360 χ^2/NDF:30.3/21

Out: -49.655+/-87.181 χ^2/NDF:41.1/26

All: -54.945+/-64.034 χ^2/NDF: 71.4/48



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 306.461+/-0.090 χ^2/NDF:570239.4/7

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 312.277+/-0.098 χ^2/NDF:354697.0/5

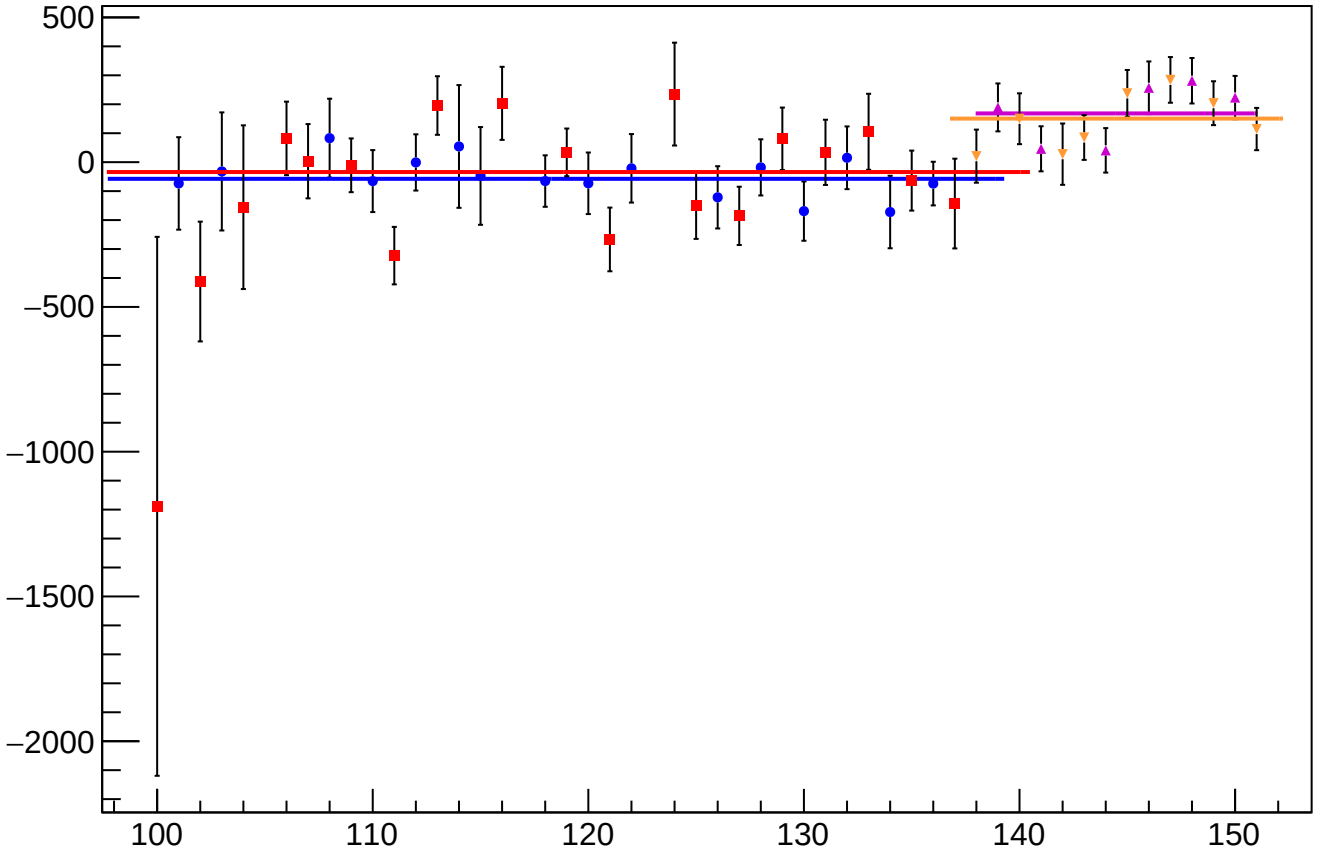
Left: 309.099+/-0.066 χ^2/NDF: 926847.3/13

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 315.185+/-0.067 χ^2/NDF:2492509.2/21

Out: 301.418+/-0.062 χ^2/NDF:3117290.7/26

All: 307.758+/-0.045 χ^2/NDF: 5632764.4/48



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 150.534+/-29.103 χ^2/NDF:8.8/7

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 168.417+/-32.587 χ^2/NDF:8.8/5

Left: 158.469+/-21.706 χ^2/NDF: 17.8/13

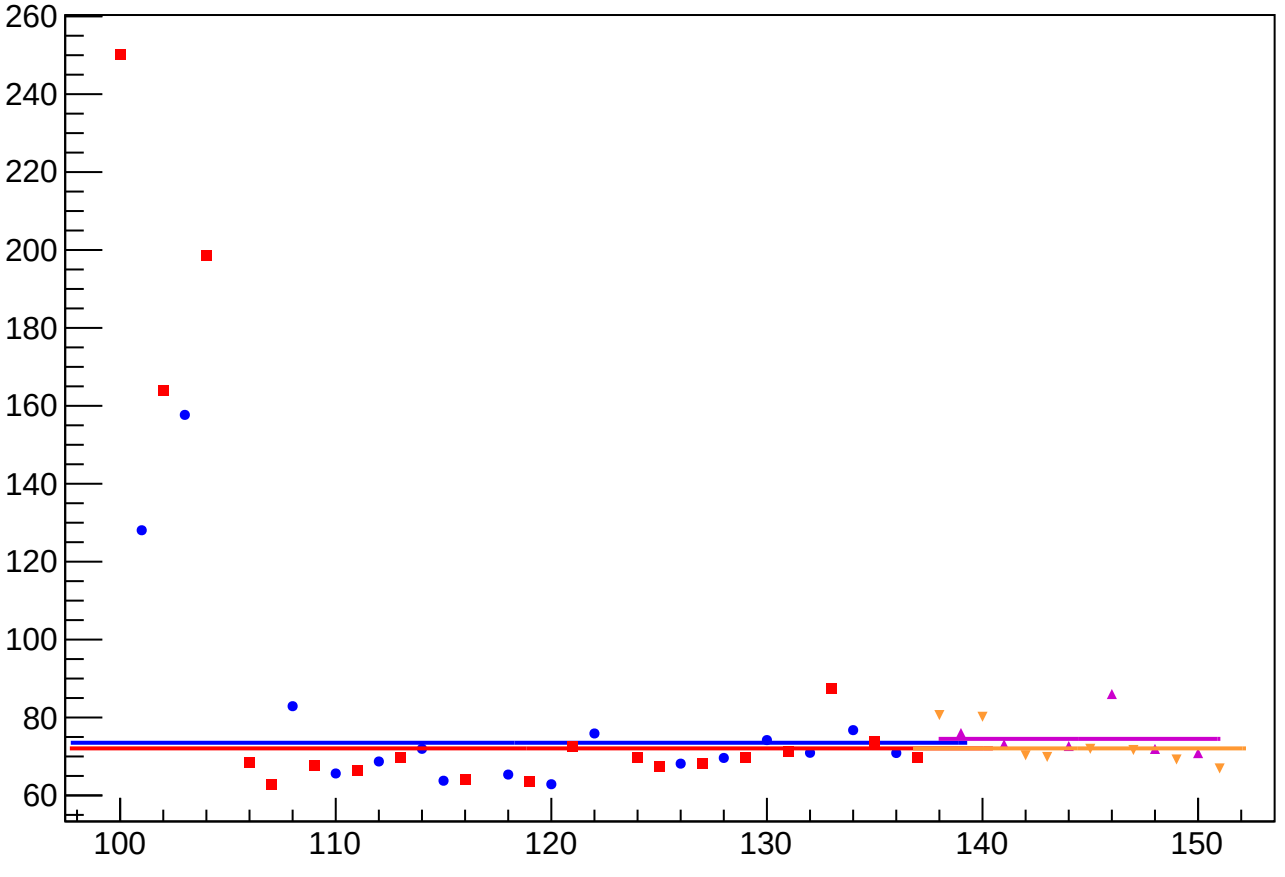
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 38.777+/-21.275 χ^2/NDF:41.3/21

Out: 52.685+/-19.949 χ^2/NDF:67.3/26

All: 46.178+/-14.552 χ^2/NDF: 108.8/48

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 72.071+/-0.021 χ^2/NDF:49447.8/7

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 74.517+/-0.023 χ^2/NDF:41418.0/5

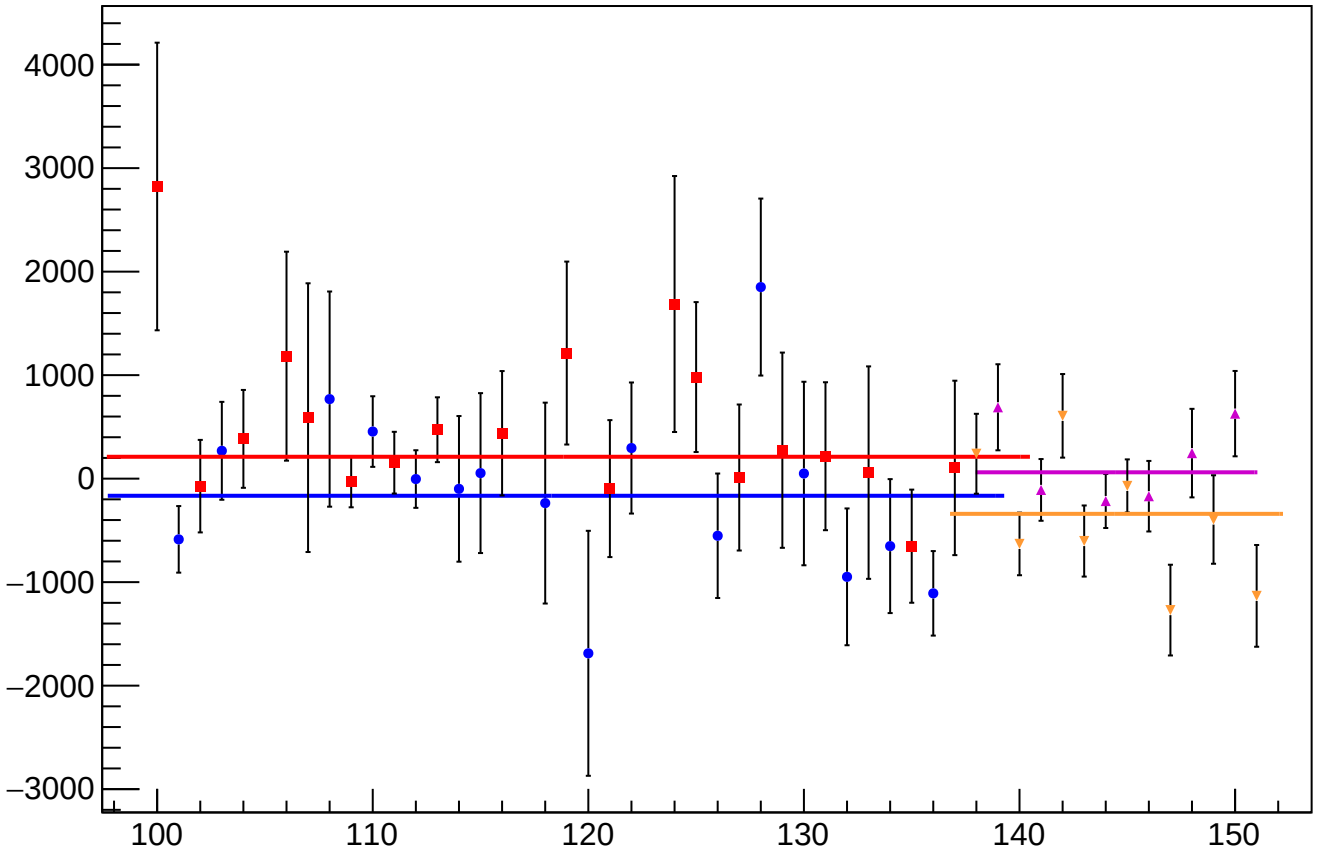
Left: 73.156+/-0.015 χ^2/NDF: 97131.1/13

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 73.944+/-0.015 χ^2/NDF:699343.2/21

Out: 72.073+/-0.014 χ^2/NDF:1007944.1/26

All: 72.948+/-0.010 χ^2/NDF: 1715523.2/48



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -340.158+/-126.728 χ^2/NDF:17.5/7

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 61.244+/-139.089 χ^2/NDF:6.3/5

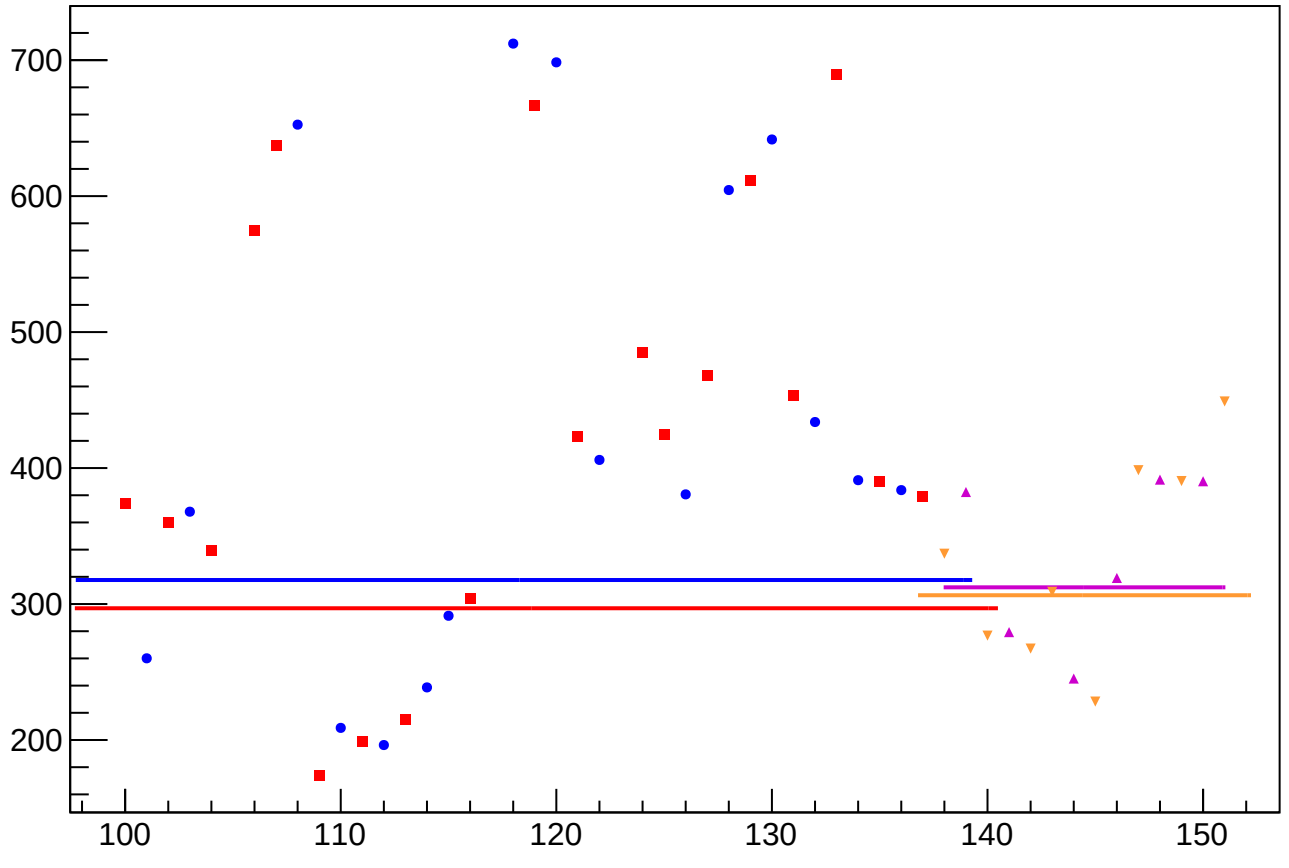
Left: -158.083+/-93.676 χ^2/NDF: 28.3/13

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -61.141+/-94.360 χ^2/NDF:30.3/21

Out: -49.655+/-87.181 χ^2/NDF:41.1/26

All: -54.945+/-64.034 χ^2/NDF: 71.4/48



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 306.460+/-0.090 χ^2/NDF:570248.2/7

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 312.277+/-0.098 χ^2/NDF:354702.2/5

Left: 309.099+/-0.066 χ^2/NDF: 926861.6/13

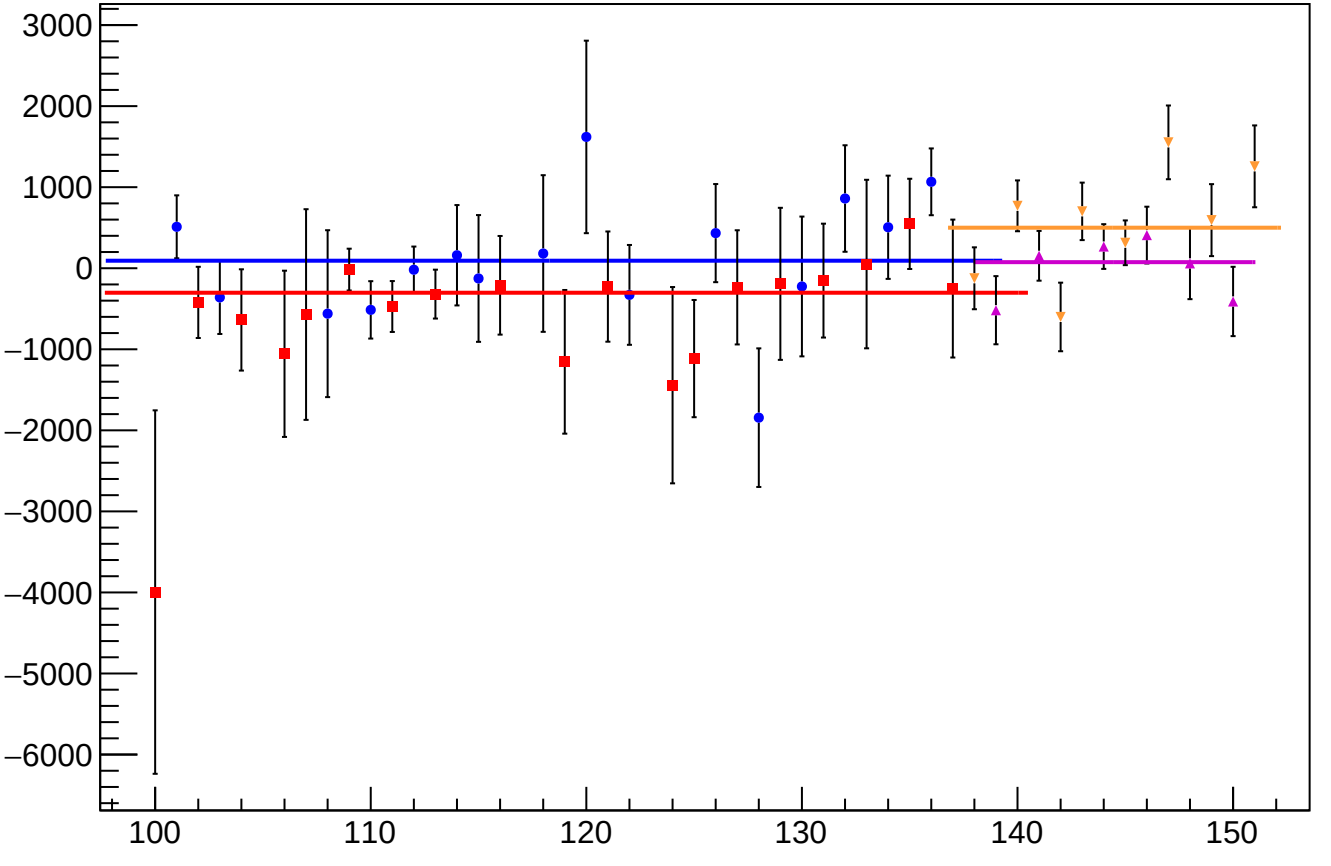
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 315.183+/-0.067 χ^2/NDF:2492544.6/21

Out: 301.417+/-0.062 χ^2/NDF:3117311.8/26

All: 307.757+/-0.045 χ^2/NDF: 5632819.8/48

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 500.078+/-131.847 χ^2/NDF:18.6/7

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 75.015+/-144.098 χ^2/NDF:4.7/5

Left: 306.380+/-97.273 χ^2/NDF: 28.1/13

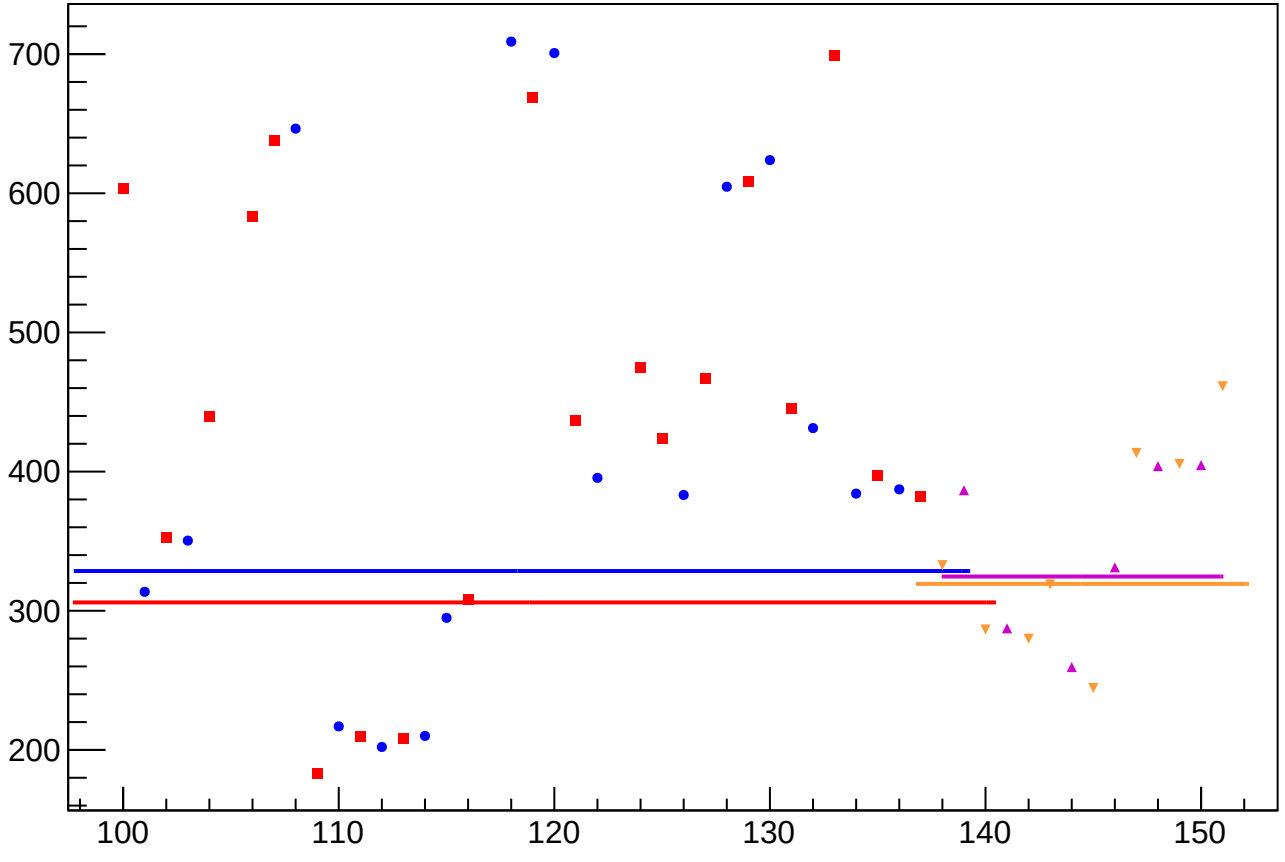
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 84.692+/-97.305 χ^2/NDF:25.6/21

Out: 74.048+/-90.296 χ^2/NDF:49.1/26

All: 78.973+/-66.188 χ^2/NDF: 74.7/48

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 319.327+/-0.093 χ^2/NDF:507977.8/7

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 324.602+/-0.102 χ^2/NDF:319703.9/5

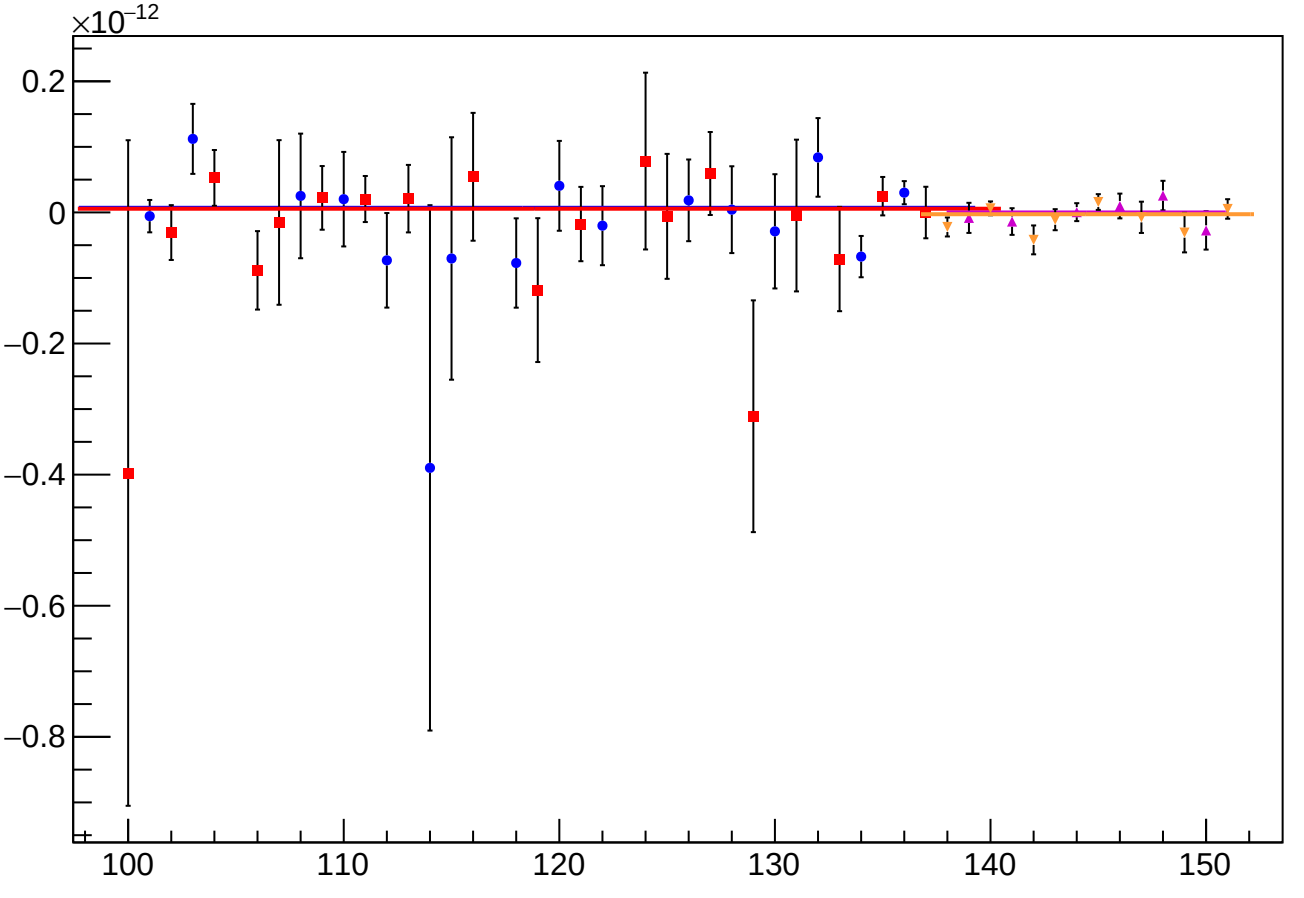
Left: 321.731+/-0.069 χ^2/NDF: 829140.4/13

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 326.759+/-0.069 χ^2/NDF:2279400.9/21

Out: 312.245+/-0.064 χ^2/NDF:3046311.1/26

All: 318.960+/-0.047 χ^2/NDF: 5349621.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/5

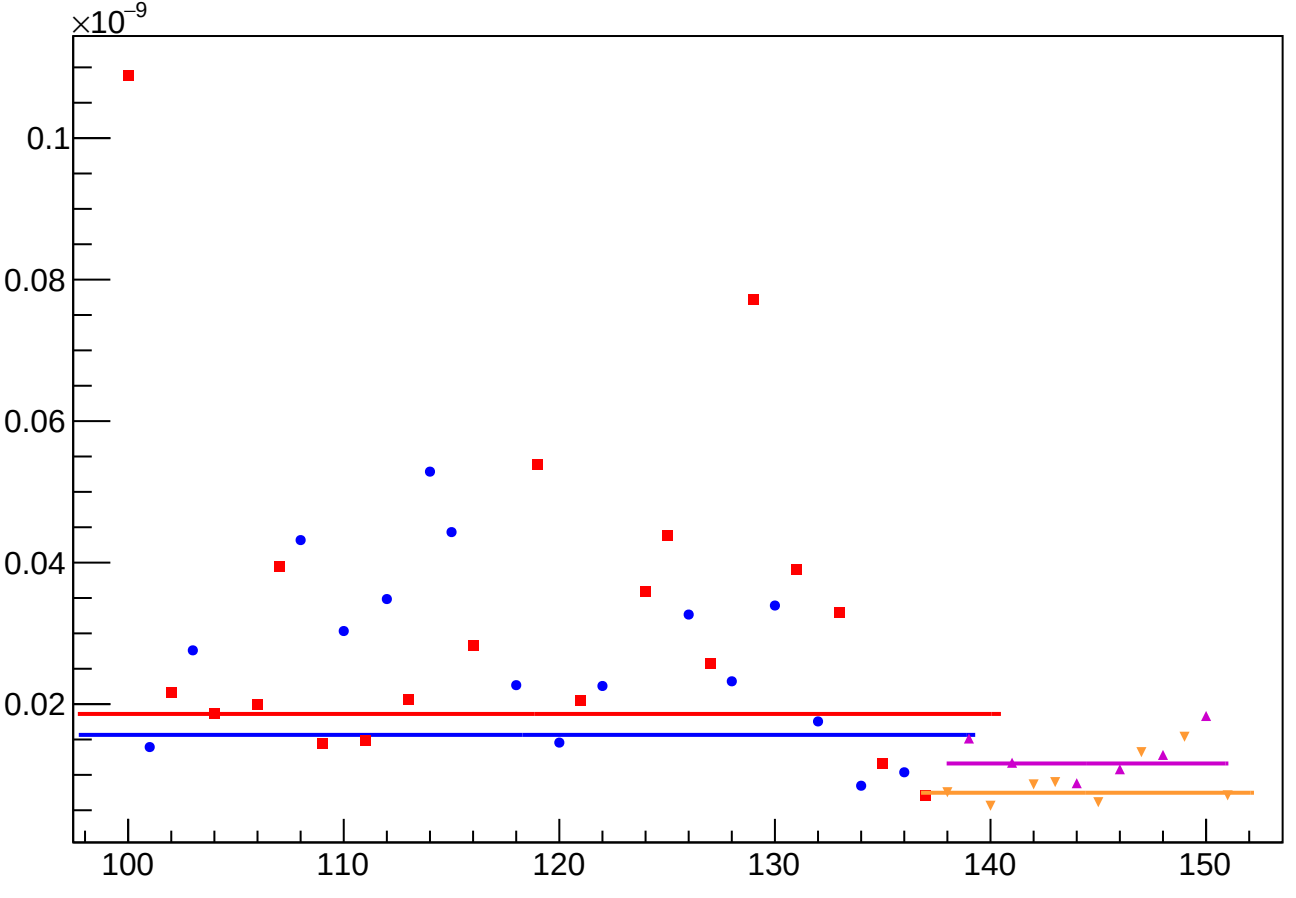
Left: -0.000+/-0.000 χ^2/NDF: 12.7/13

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:21.0/21

Out: -0.000+/-0.000 χ^2/NDF:22.7/26

All: -0.000+/-0.000 χ^2/NDF: 44.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:363145.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:245227.5/5

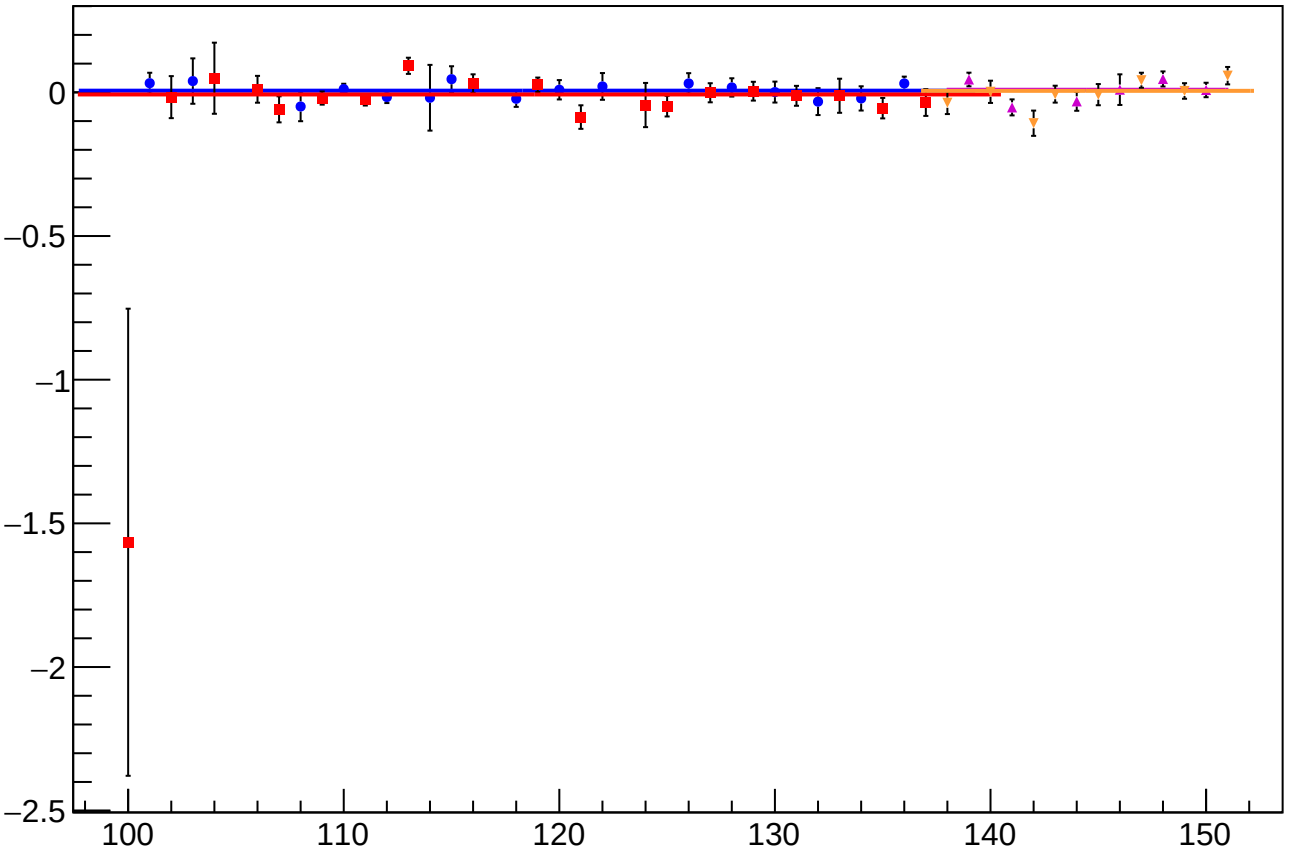
Left: 0.000+/-0.000 χ^2/NDF: 974203.4/13

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:1587229.2/21

Out: 0.000+/-0.000 χ^2/NDF:2869556.4/26

All: 0.000+/-0.000 χ^2/NDF: 4901782.0/48



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.012 χ^2/NDF:10.6/5

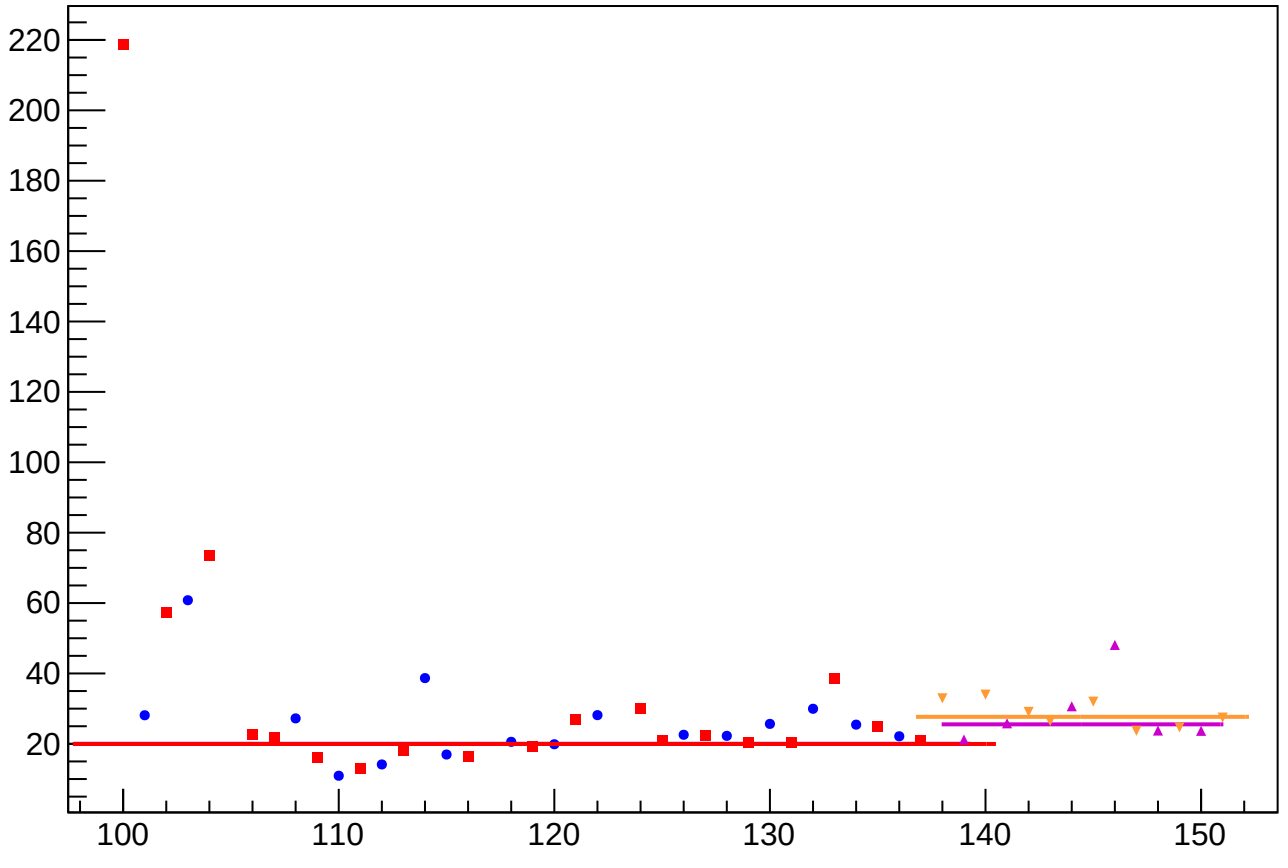
Left: 0.007+/-0.008 χ^2/NDF: 23.7/13

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/21

Out: -0.003+/-0.007 χ^2/NDF:43.6/26

All: 0.002+/-0.005 χ^2/NDF: 63.3/48



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.674+/-0.008 χ^2/NDF:191213.0/7

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.541+/-0.008 χ^2/NDF:493081.4/5

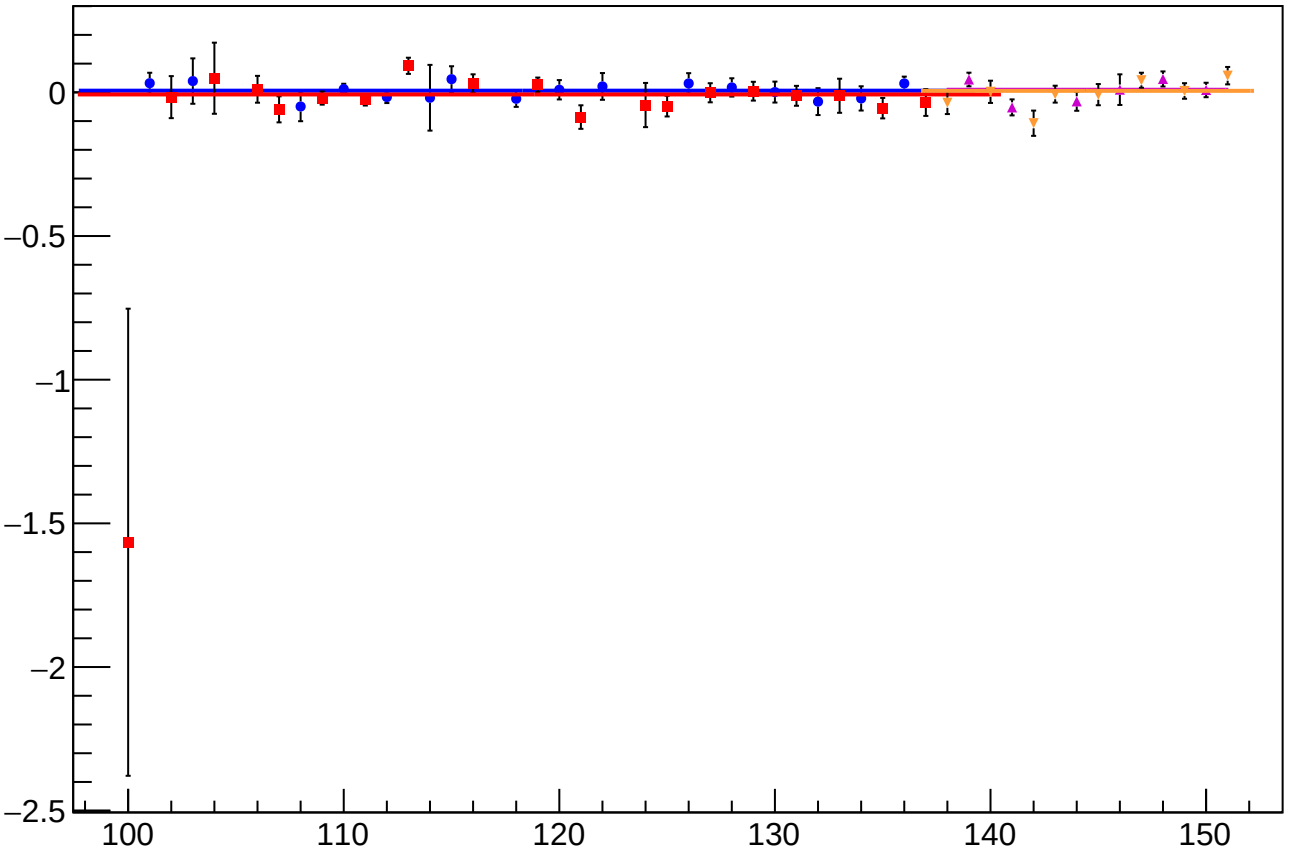
Left: 26.627+/-0.006 χ^2/NDF: 718356.5/13

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.824+/-0.005 χ^2/NDF:2437551.3/21

Out: 22.532+/-0.005 χ^2/NDF:2512727.0/26

All: 22.182+/-0.003 χ^2/NDF: 4961584.9/48



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.012 χ^2/NDF:10.6/5

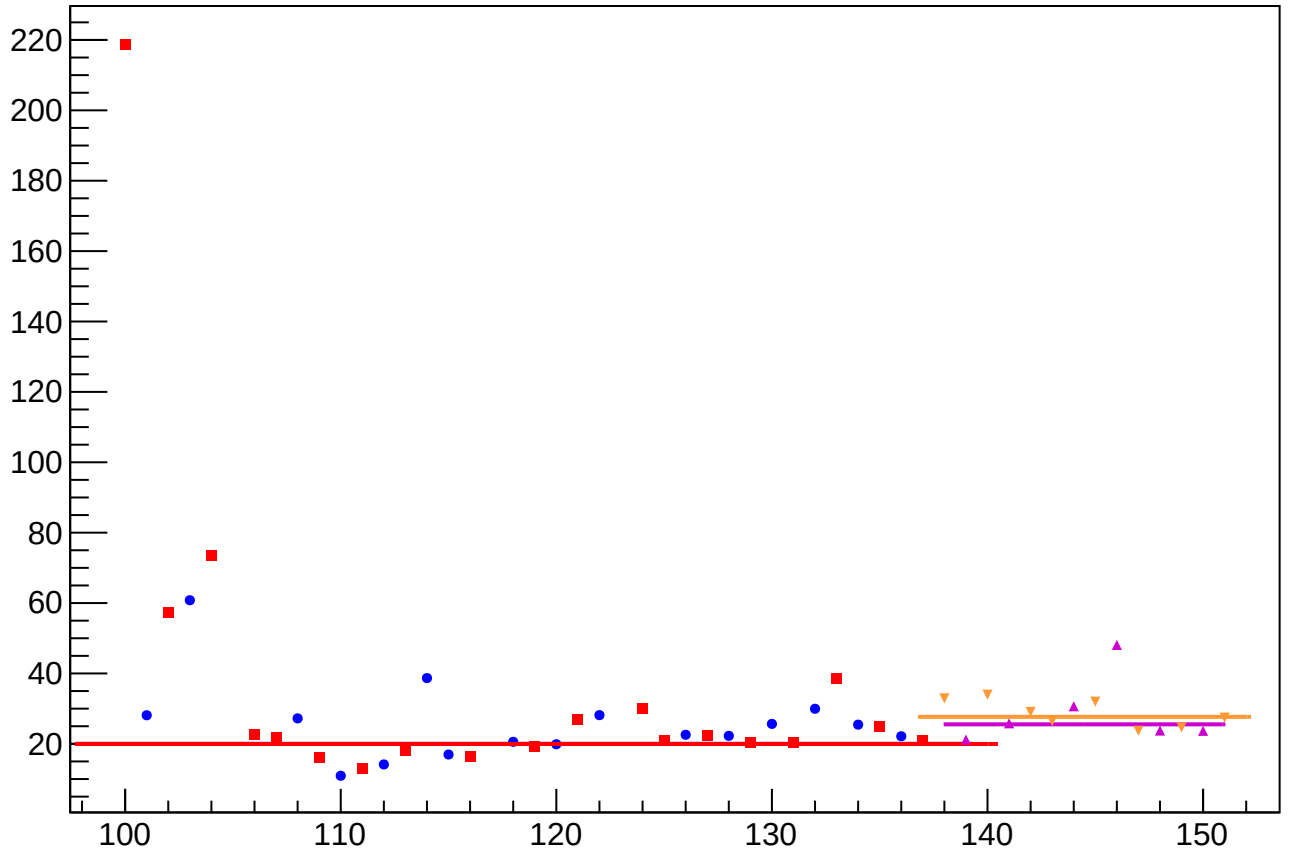
Left: 0.007+/-0.008 χ^2/NDF: 23.7/13

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/21

Out: -0.003+/-0.007 χ^2/NDF:43.6/26

All: 0.002+/-0.005 χ^2/NDF: 63.3/48



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.674+/-0.008 χ^2/NDF:191213.0/7

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.541+/-0.008 χ^2/NDF:493081.4/5

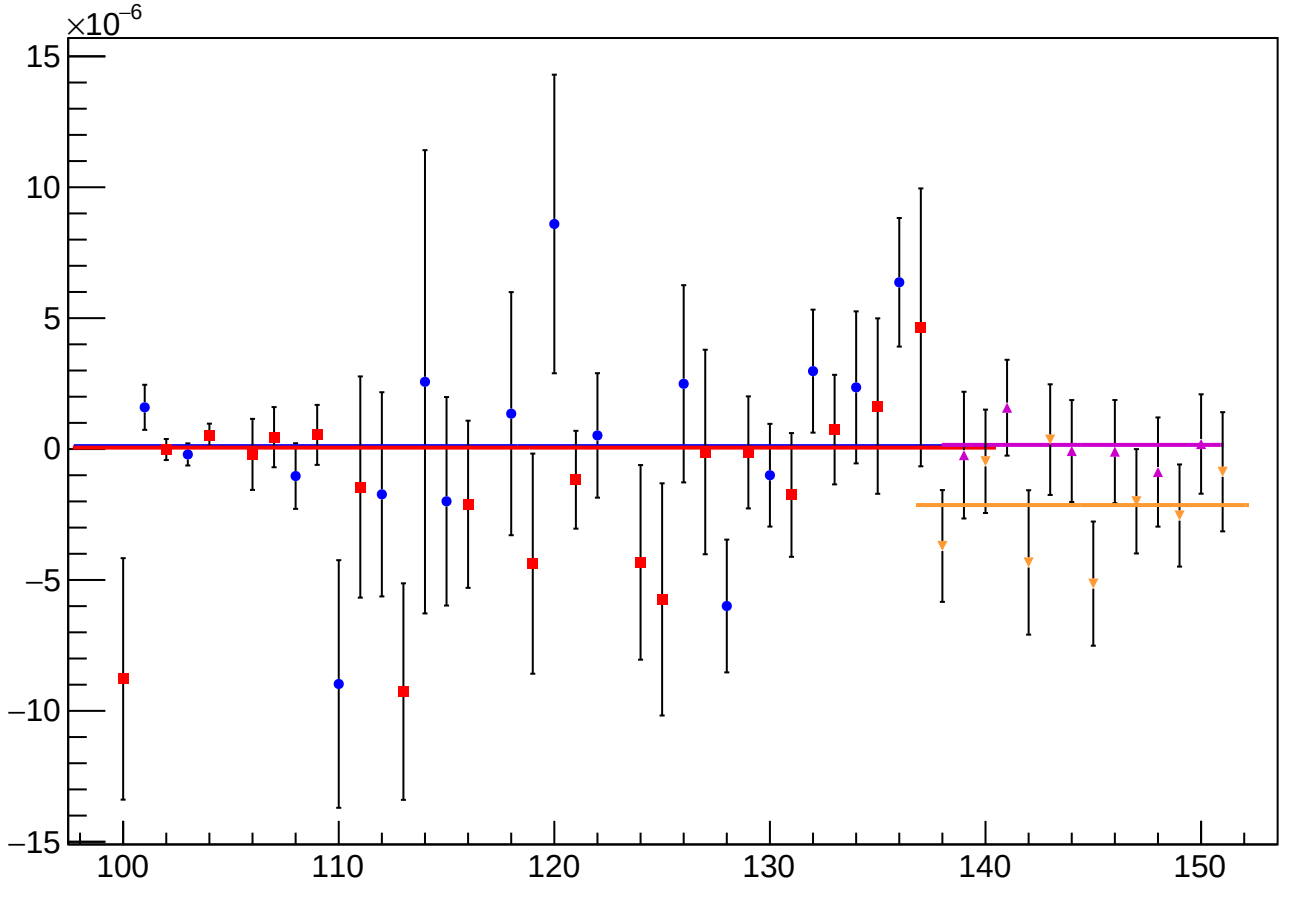
Left: 26.627+/-0.006 χ^2/NDF: 718356.5/13

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.824+/-0.005 χ^2/NDF:2437551.3/21

Out: 22.532+/-0.005 χ^2/NDF:2512727.0/26

All: 22.182+/-0.003 χ^2/NDF: 4961584.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/5

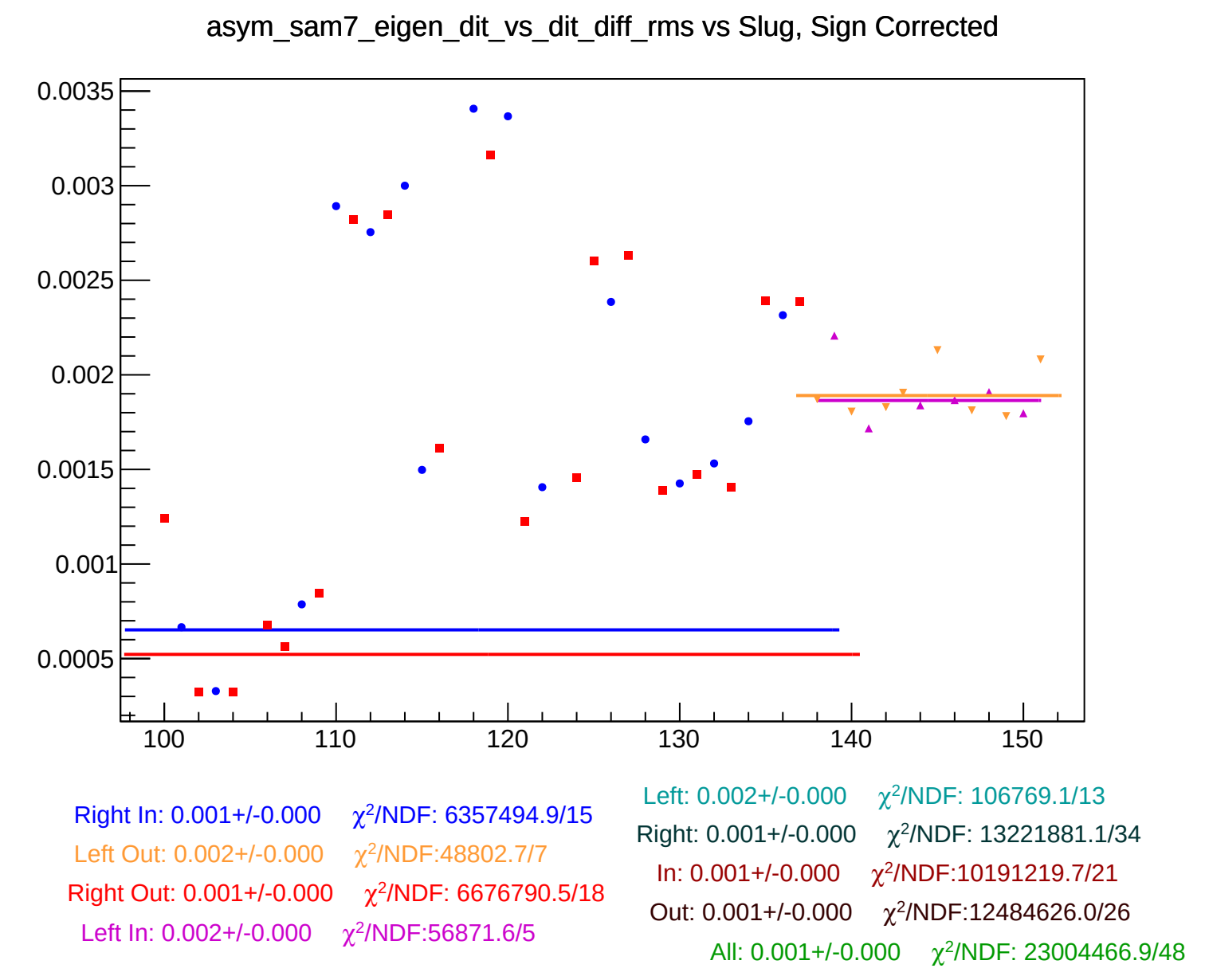
Left: -0.000+/-0.000 χ^2/NDF: 10.4/13

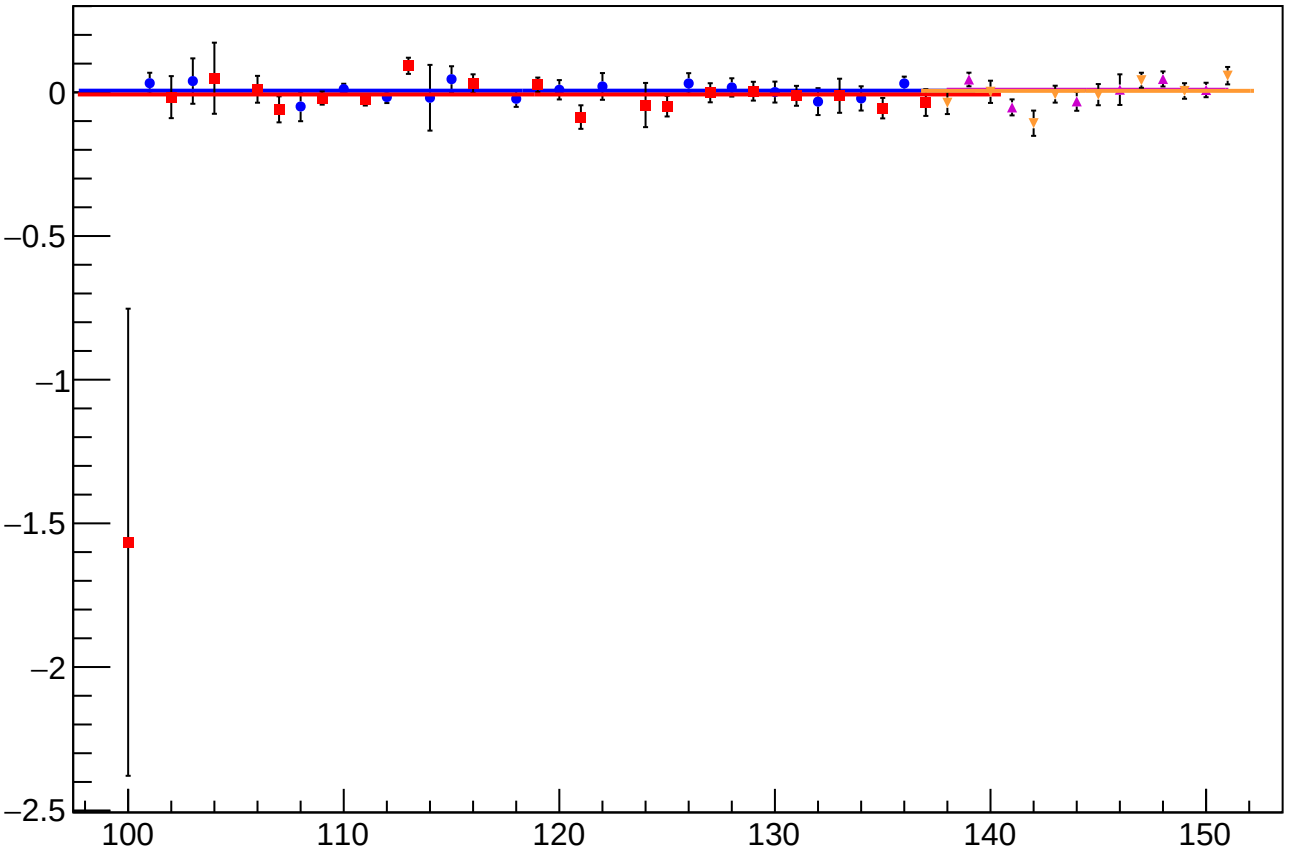
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:27.0/21

Out: -0.000+/-0.000 χ^2/NDF:29.8/26

All: -0.000+/-0.000 χ^2/NDF: 57.3/48


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:48802.7/7
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:56871.6/5
Left: 0.002+/-0.000 χ²/NDF: 106769.1/13
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:10191219.7/21
Out: 0.001+/-0.000 χ²/NDF:12484626.0/26
All: 0.001+/-0.000 χ²/NDF: 23004466.9/48



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.012 χ^2/NDF:10.6/5

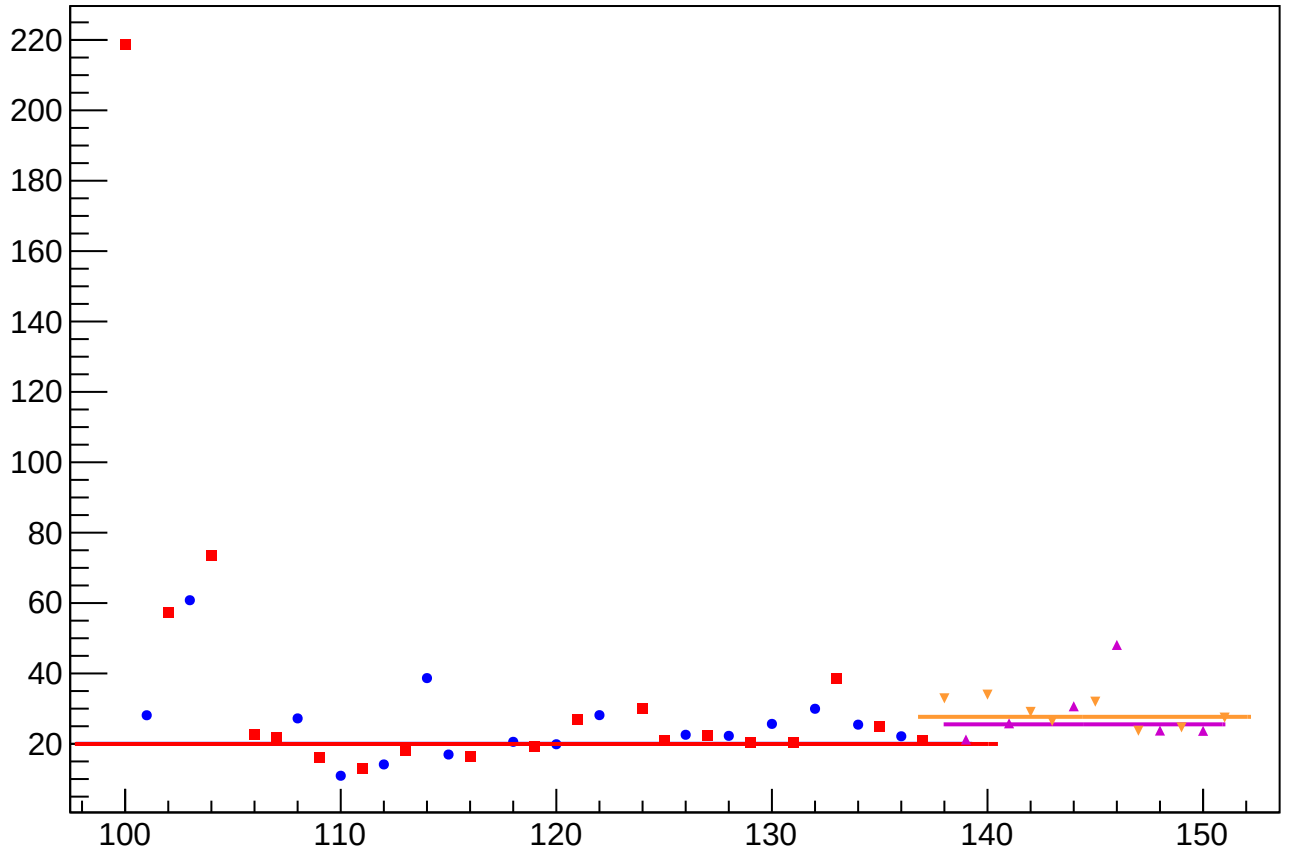
Left: 0.007+/-0.008 χ^2/NDF: 23.7/13

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/21

Out: -0.003+/-0.007 χ^2/NDF:43.6/26

All: 0.002+/-0.005 χ^2/NDF: 63.3/48



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 27.674+/-0.008 χ^2/NDF:191234.0/7

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.541+/-0.008 χ^2/NDF:493092.4/5

Left: 26.627+/-0.006 χ^2/NDF: 718390.1/13

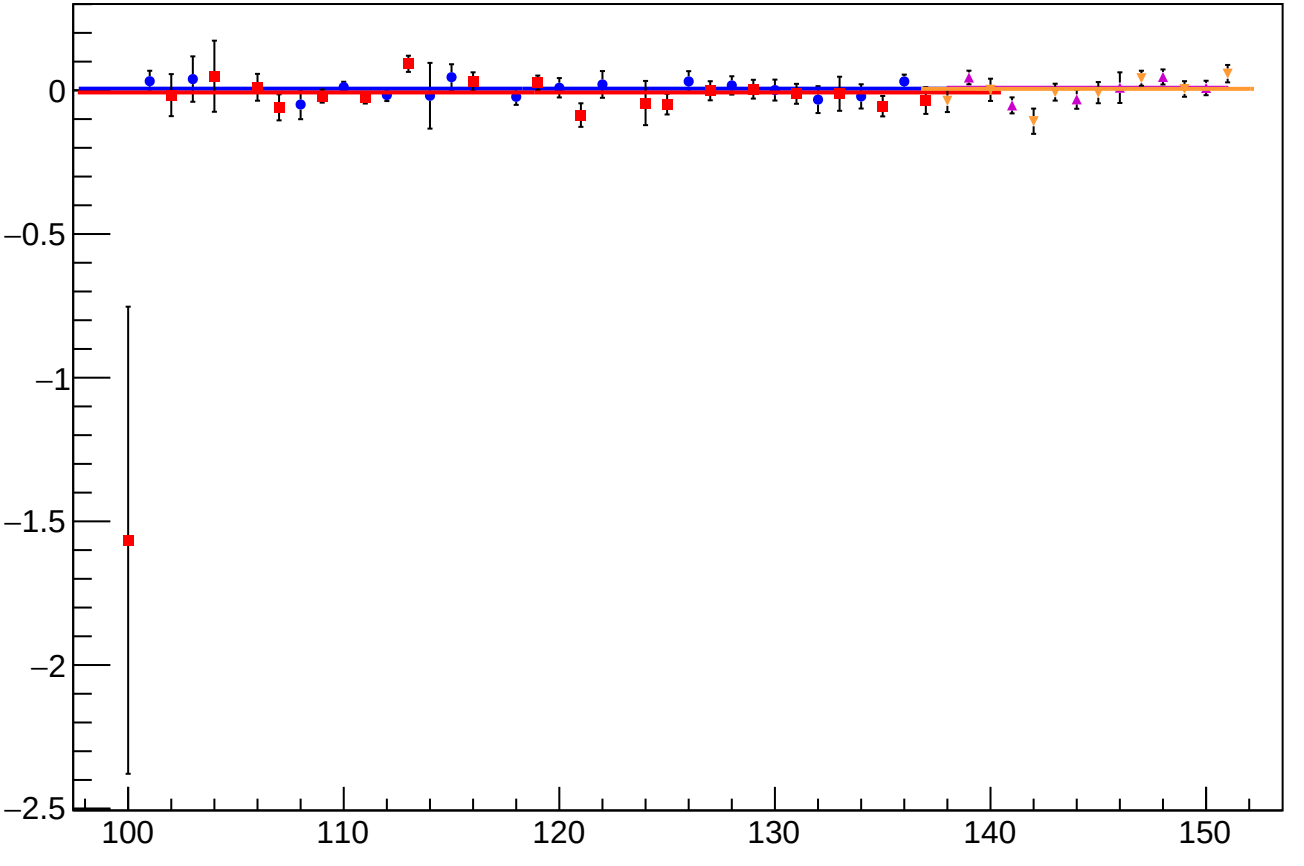
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.825+/-0.005 χ^2/NDF:2437326.5/21

Out: 22.532+/-0.005 χ^2/NDF:2512659.0/26

All: 22.183+/-0.003 χ^2/NDF: 4961284.2/48

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.005+/-0.011 χ^2/NDF:13.0/7

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.009+/-0.012 χ^2/NDF:10.6/5

Left: 0.007+/-0.008 χ^2/NDF: 23.7/13

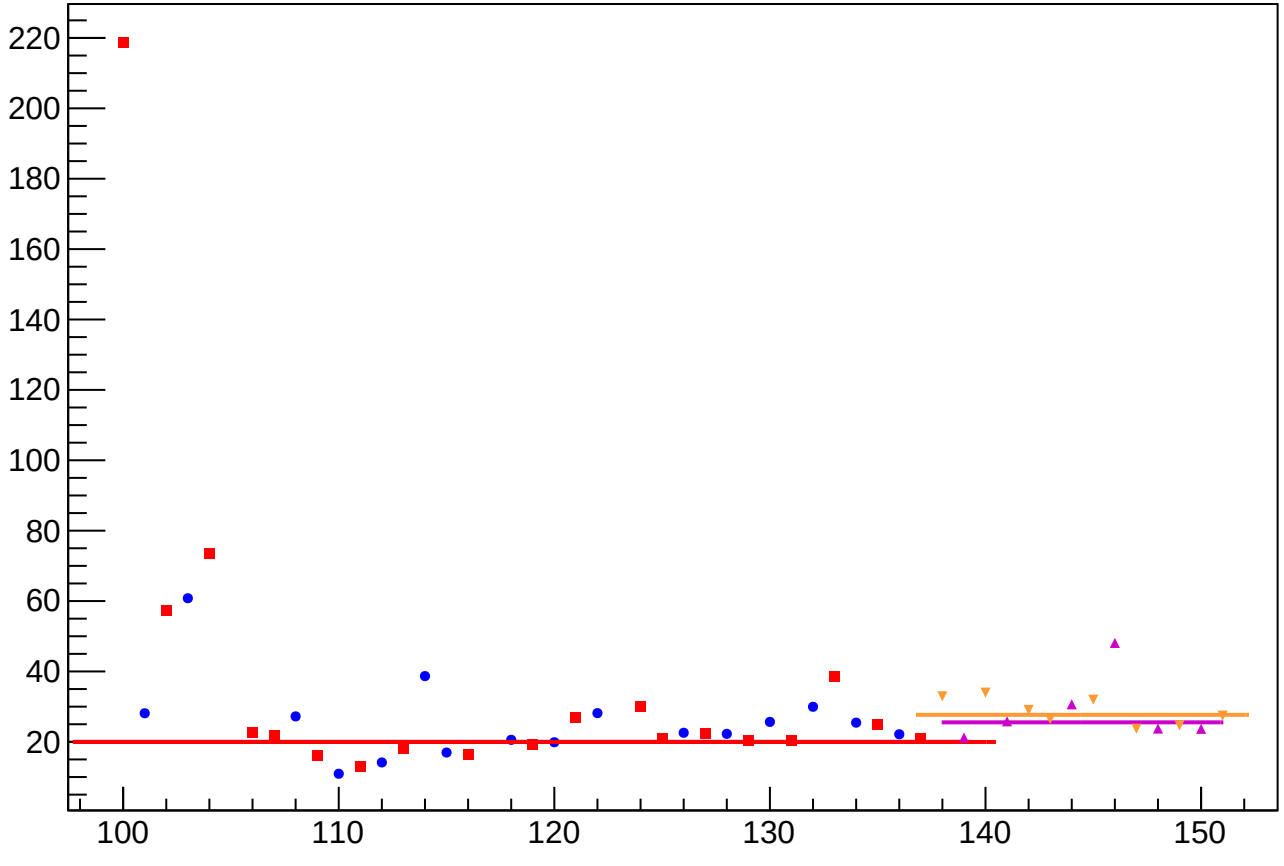
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.007+/-0.007 χ^2/NDF:18.6/21

Out: -0.003+/-0.007 χ^2/NDF:43.6/26

All: 0.002+/-0.005 χ^2/NDF: 63.3/48

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 27.674+/-0.008 χ^2/NDF:191234.0/7

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.541+/-0.008 χ^2/NDF:493092.4/5

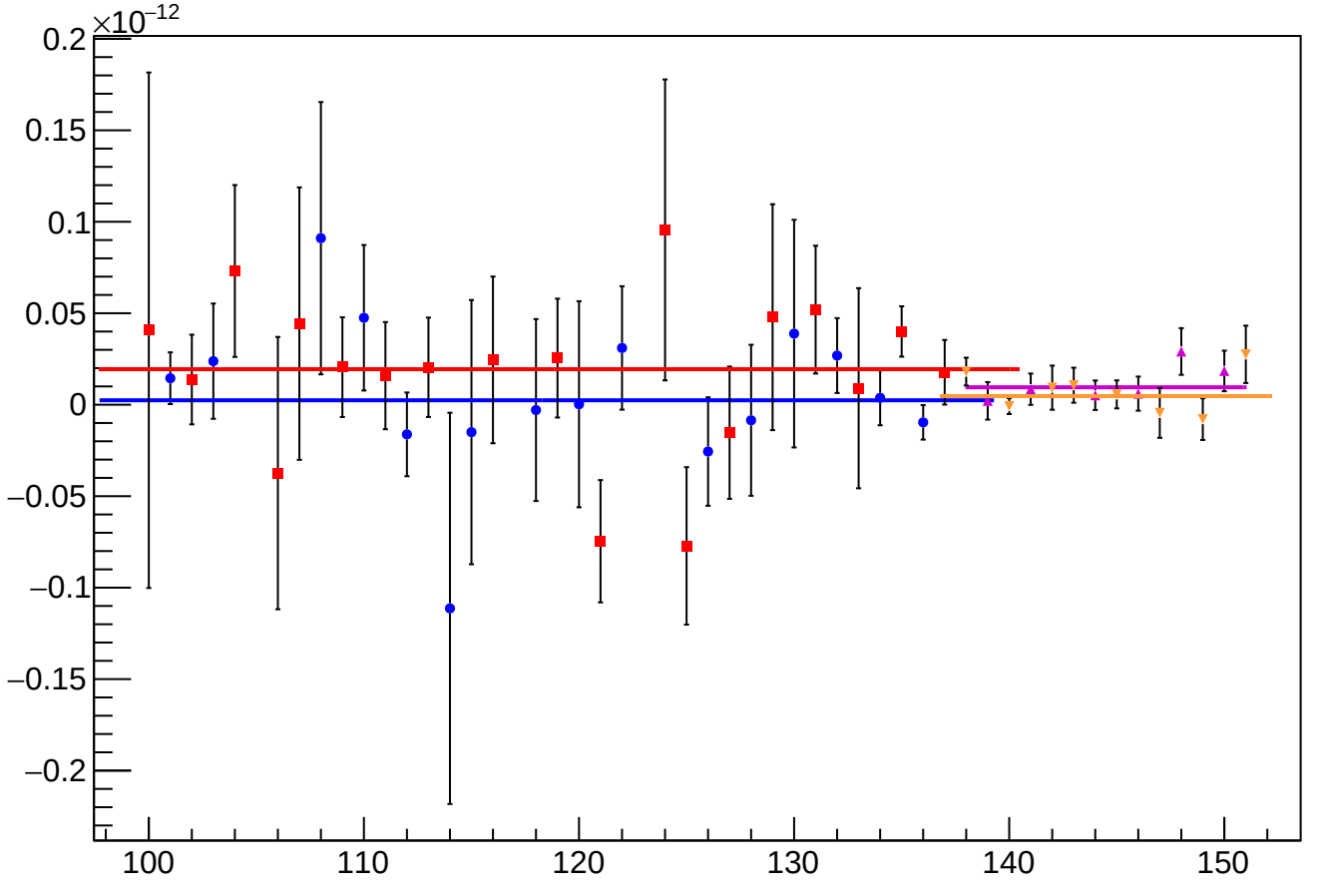
Left: 26.627+/-0.006 χ^2/NDF: 718390.1/13

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.825+/-0.005 χ^2/NDF:2437326.5/21

Out: 22.532+/-0.005 χ^2/NDF:2512659.0/26

All: 22.183+/-0.003 χ^2/NDF: 4961284.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/5

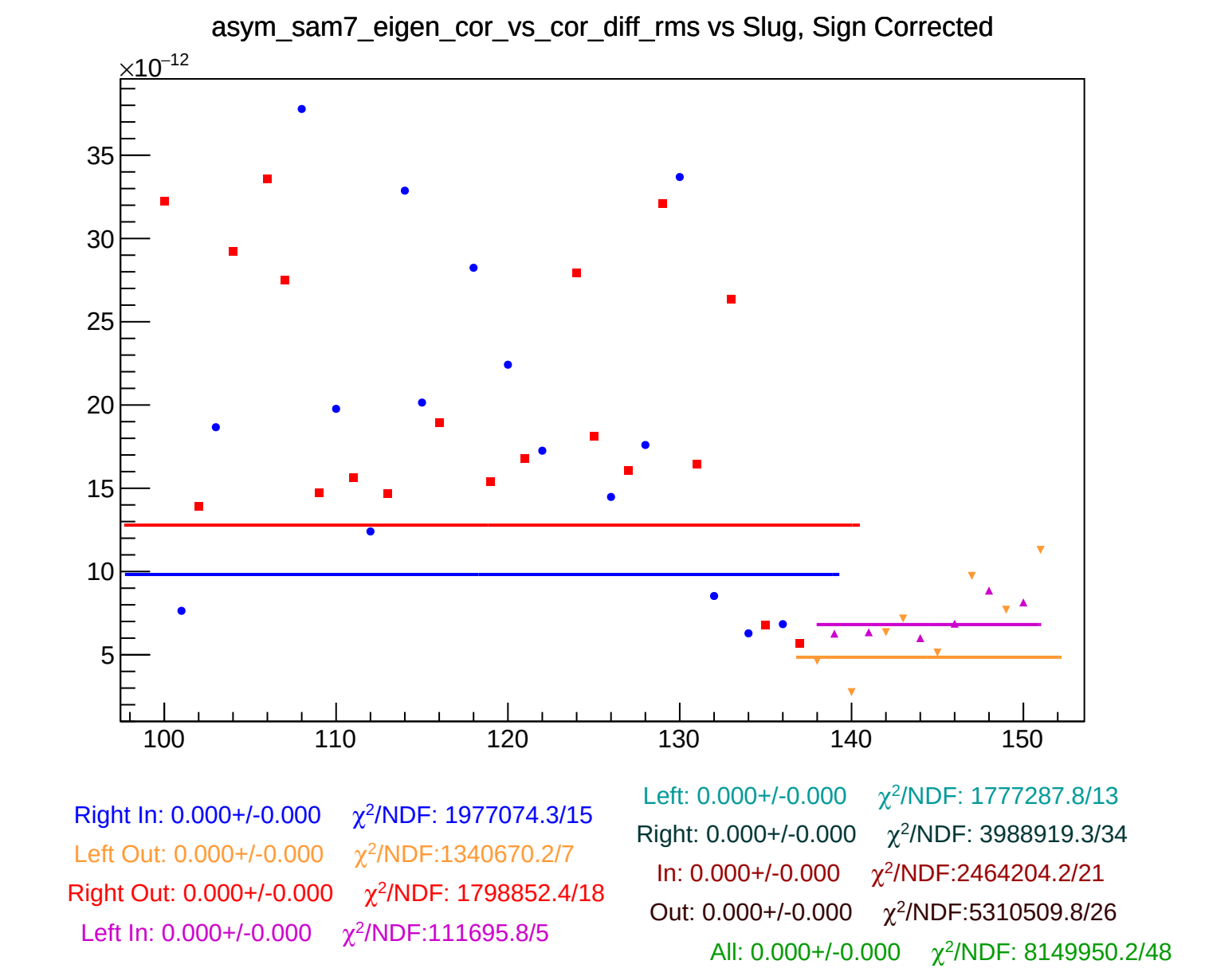
Left: 0.000+/-0.000 χ^2/NDF: 14.0/13

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

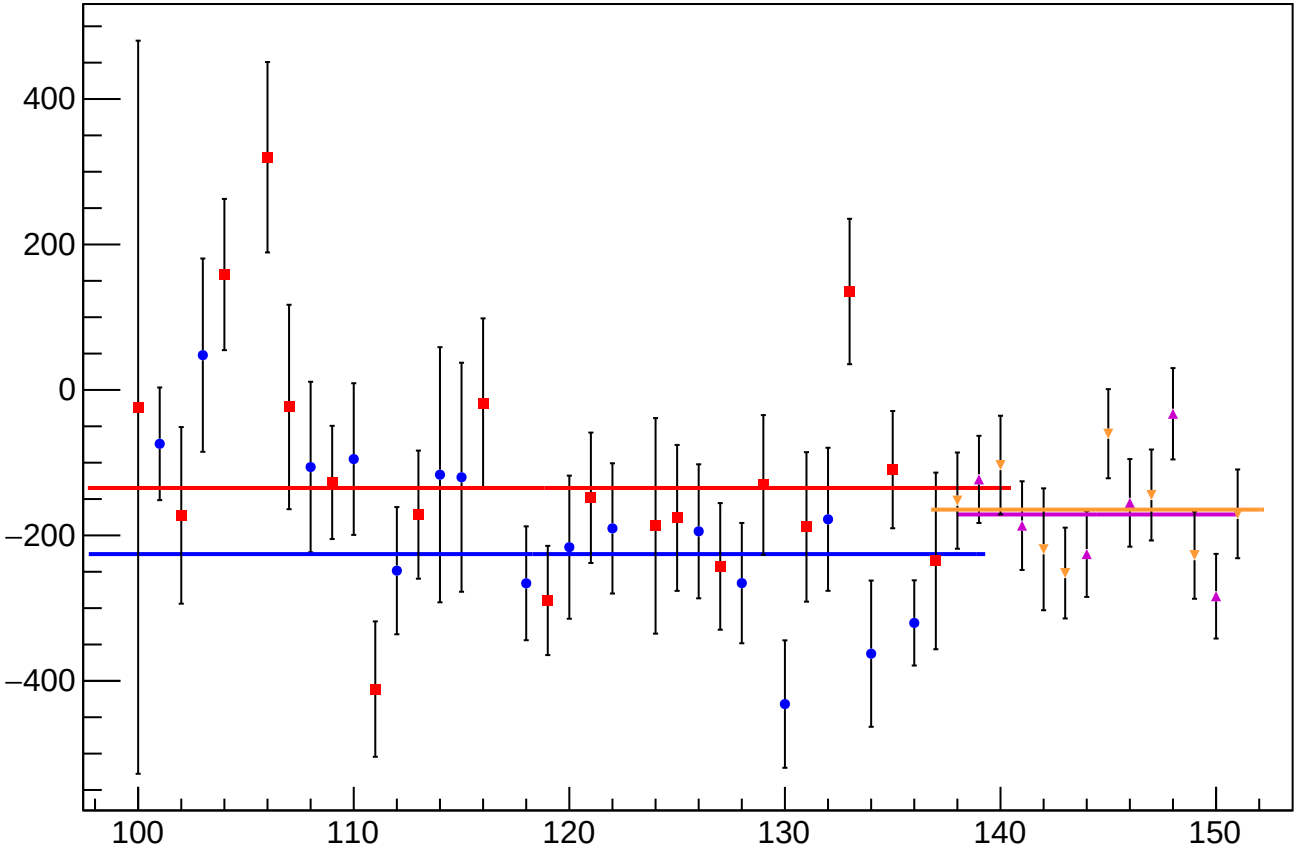
In: 0.000+/-0.000 χ^2/NDF:15.9/21

Out: 0.000+/-0.000 χ^2/NDF:33.0/26

All: 0.000+/-0.000 χ^2/NDF: 48.9/48


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1340670.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:111695.8/5
Left: 0.000+/-0.000 χ²/NDF: 1777287.8/13
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2464204.2/21
Out: 0.000+/-0.000 χ²/NDF:5310509.8/26
All: 0.000+/-0.000 χ²/NDF: 8149950.2/48

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -164.534+/-22.860 χ^2/NDF:7.3/7

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -171.213+/-24.543 χ^2/NDF:10.2/5

Left: -167.636+/-16.728 χ^2/NDF: 17.6/13

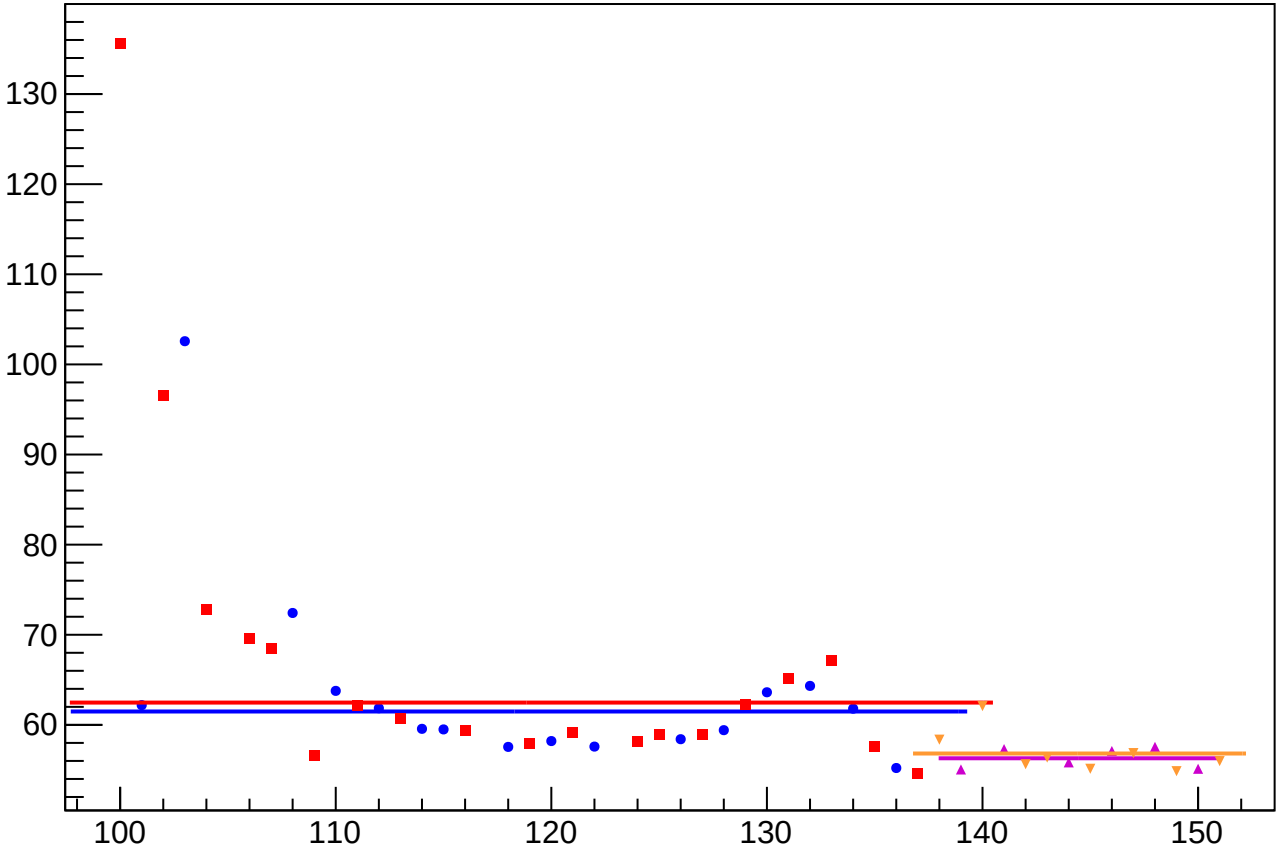
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -200.079+/-16.828 χ^2/NDF:35.4/21

Out: -149.862+/-16.281 χ^2/NDF:53.4/26

All: -174.140+/-11.701 χ^2/NDF: 93.5/48

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.824+/-0.016 χ^2/NDF:17664.3/7

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.294+/-0.017 χ^2/NDF:3508.6/5

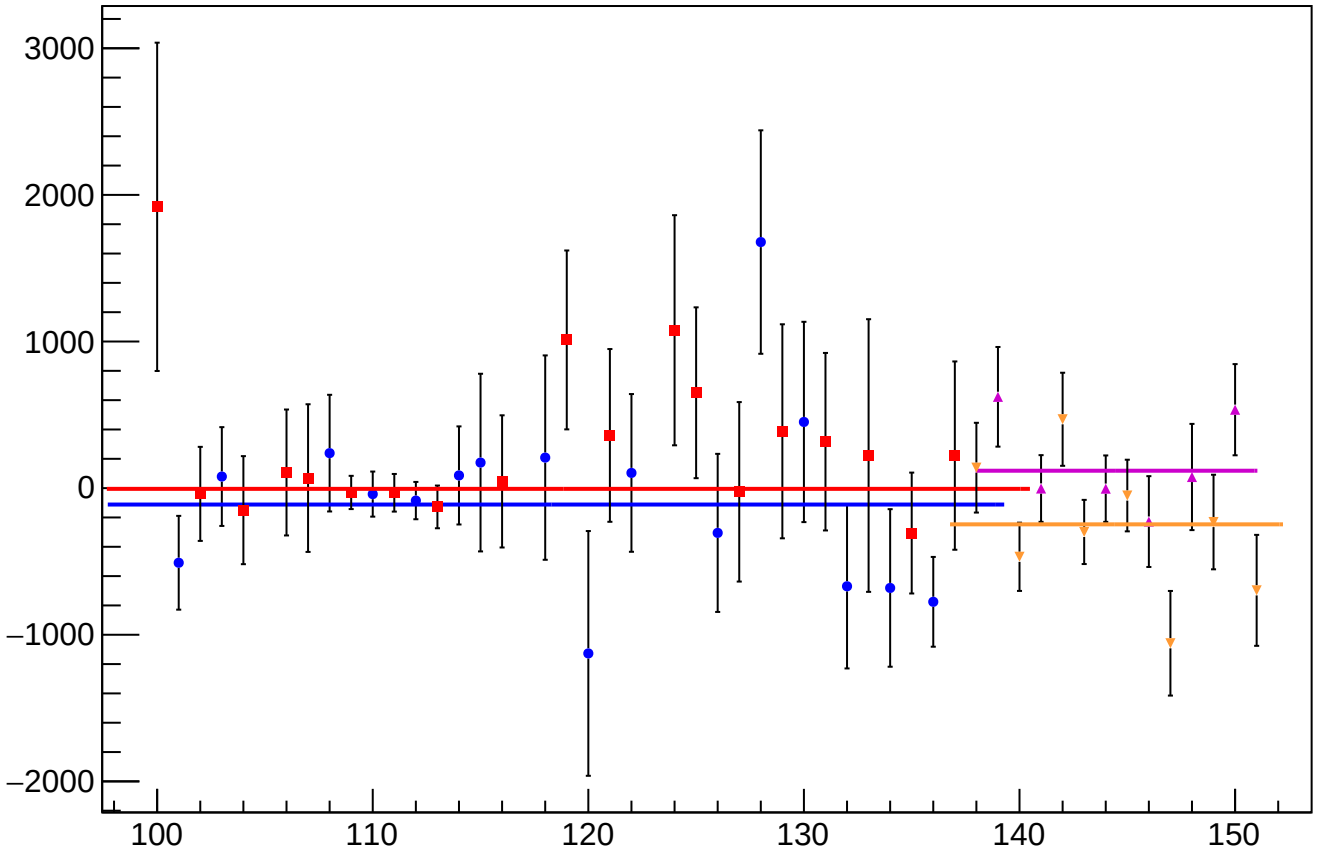
Left: 56.578+/-0.012 χ^2/NDF: 21671.0/13

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 59.045+/-0.012 χ^2/NDF:301590.9/21

Out: 59.609+/-0.012 χ^2/NDF:359059.6/26

All: 59.337+/-0.008 χ^2/NDF: 661810.4/48



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -246.965+/-99.435 χ^2/NDF:14.9/7

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 118.763+/-114.796 χ^2/NDF:5.8/5

Left: -90.191+/-75.160 χ^2/NDF: 26.5/13

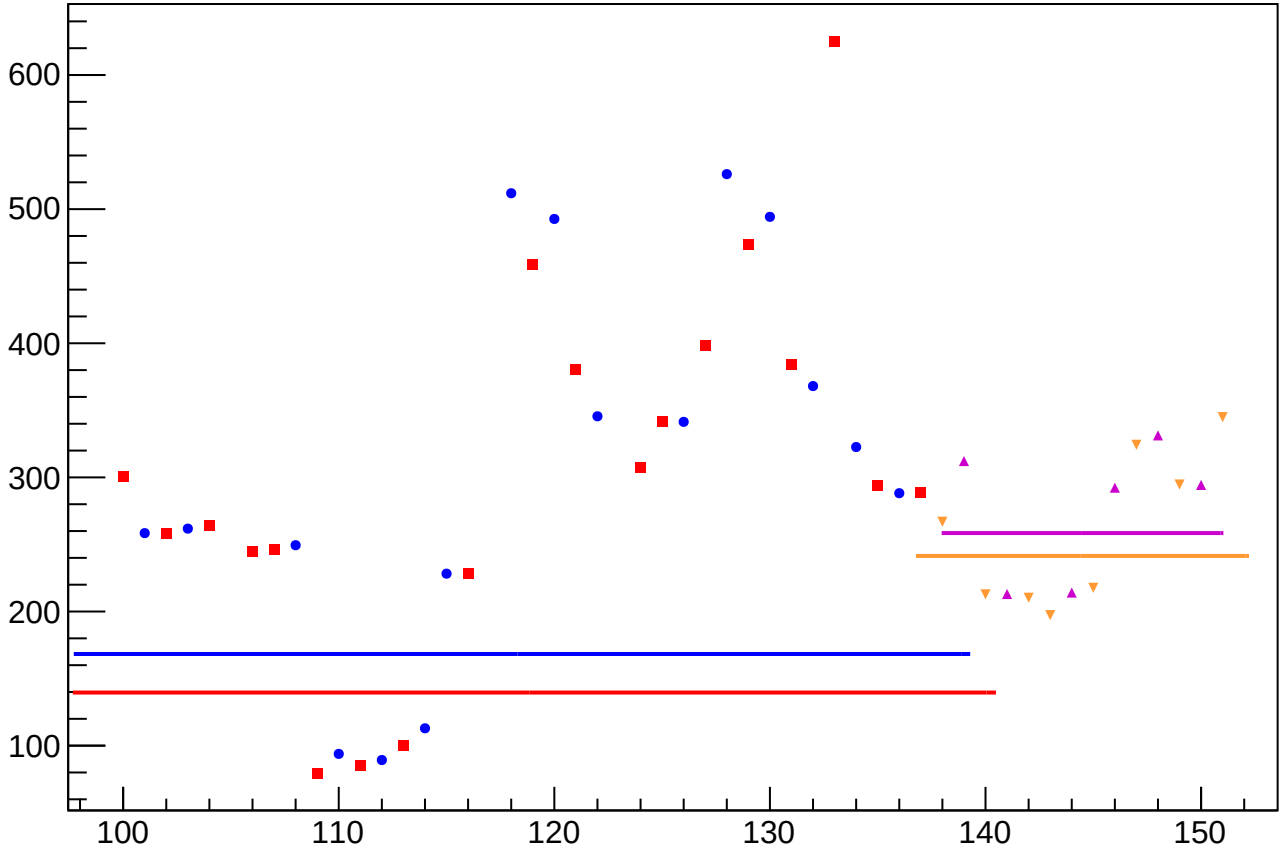
Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -41.325+/-63.494 χ^2/NDF:27.1/21

Out: -75.695+/-53.776 χ^2/NDF:30.7/26

All: -61.339+/-41.036 χ^2/NDF: 58.0/48

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 241.449+/-0.070 χ^2/NDF:475667.9/7

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 258.504+/-0.081 χ^2/NDF:337851.5/5

Left: 248.760+/-0.053 χ^2/NDF: 838738.0/13

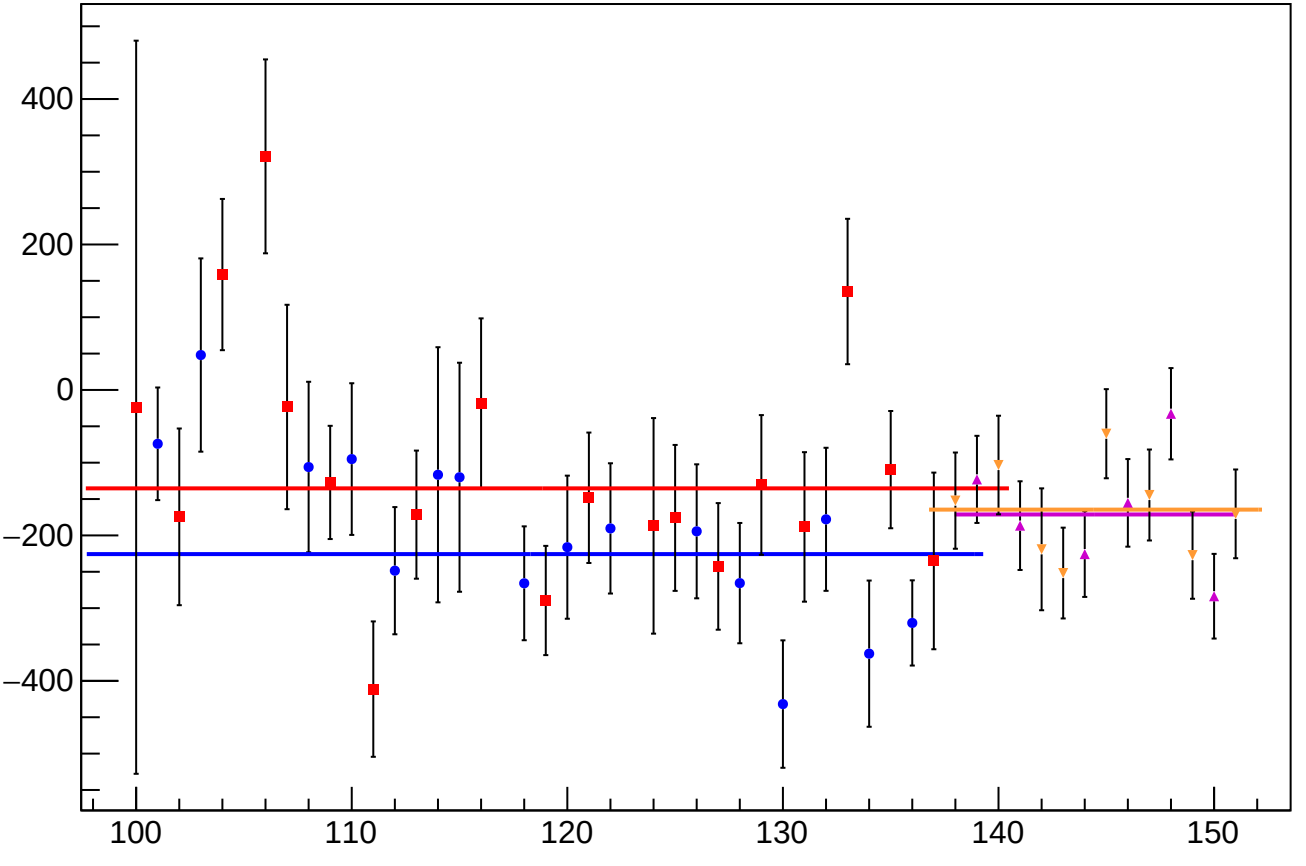
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 195.915+/-0.045 χ^2/NDF:5738437.2/21

Out: 169.385+/-0.038 χ^2/NDF:7114589.2/26

All: 180.467+/-0.029 χ^2/NDF: 13056363.2/48

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -164.532+/-22.860 χ^2/NDF:7.3/7

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -171.210+/-24.543 χ^2/NDF:10.2/5

Left: -167.634+/-16.728 χ^2/NDF: 17.6/13

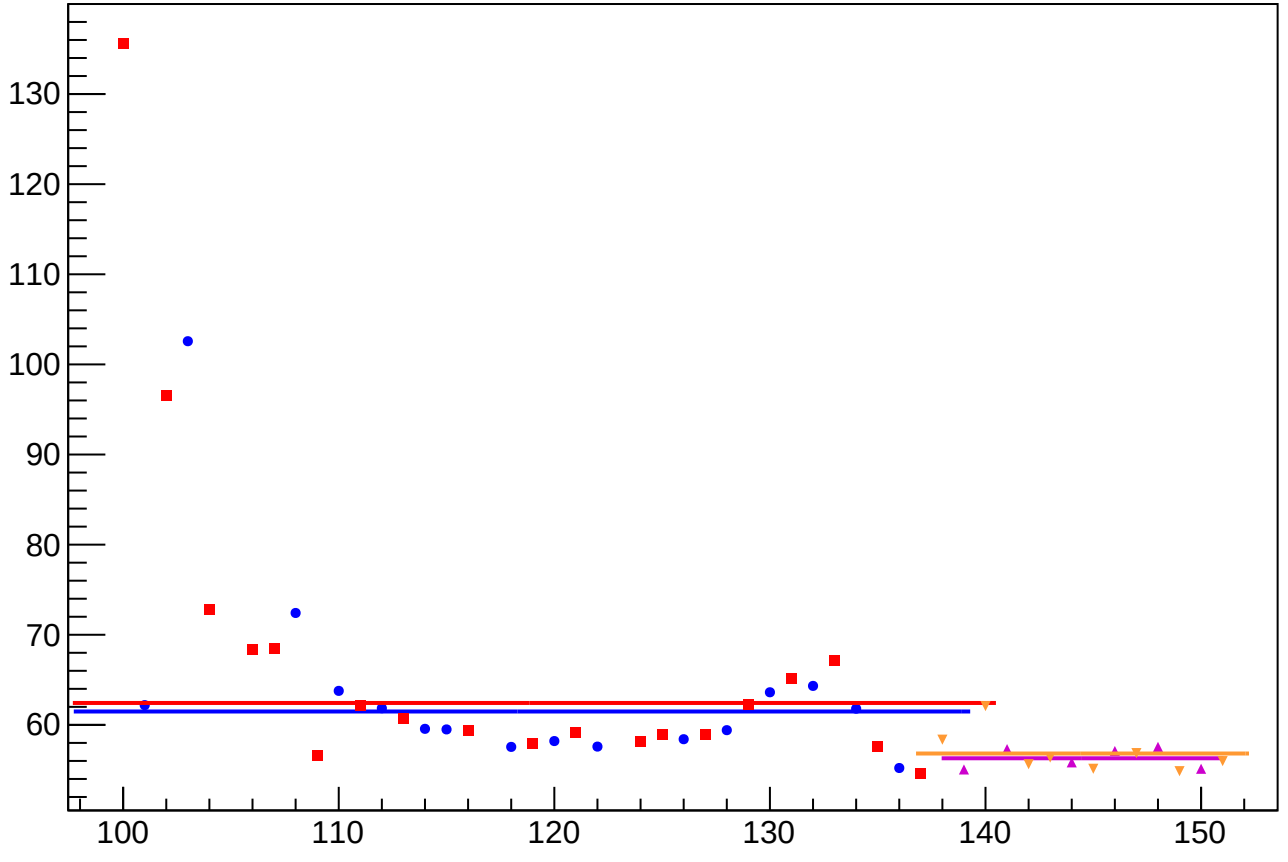
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.078+/-16.828 χ^2/NDF:35.5/21

Out: -150.140+/-16.285 χ^2/NDF:53.0/26

All: -174.290+/-11.703 χ^2/NDF: 93.0/48

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.824+/-0.016 χ^2/NDF:17664.3/7

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.294+/-0.017 χ^2/NDF:3508.6/5

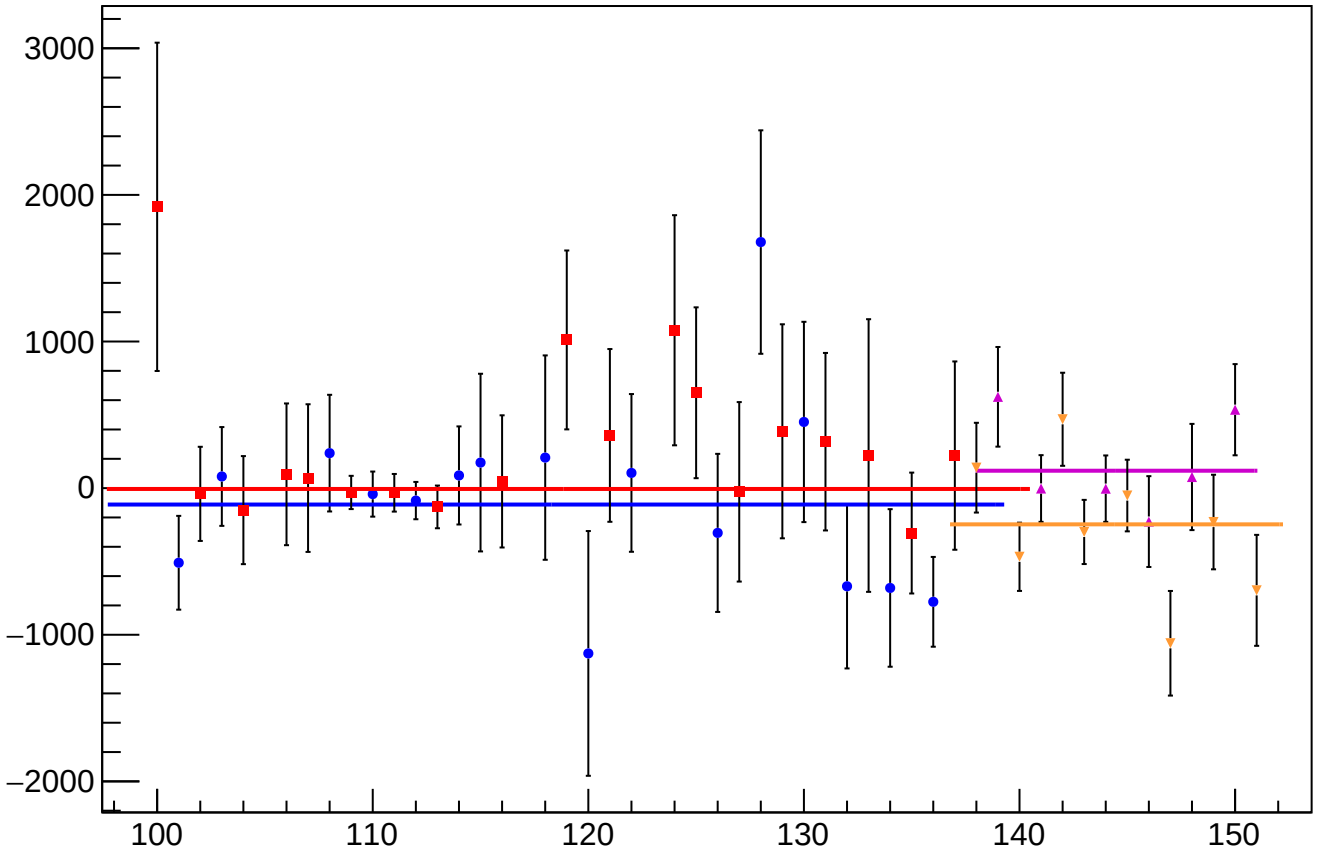
Left: 56.578+/-0.012 χ^2/NDF: 21671.0/13

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.045+/-0.012 χ^2/NDF:301593.5/21

Out: 59.586+/-0.012 χ^2/NDF:356370.4/26

All: 59.325+/-0.008 χ^2/NDF: 659031.4/48



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -246.962+/-99.435 χ^2/NDF:14.9/7

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 118.762+/-114.796 χ^2/NDF:5.8/5

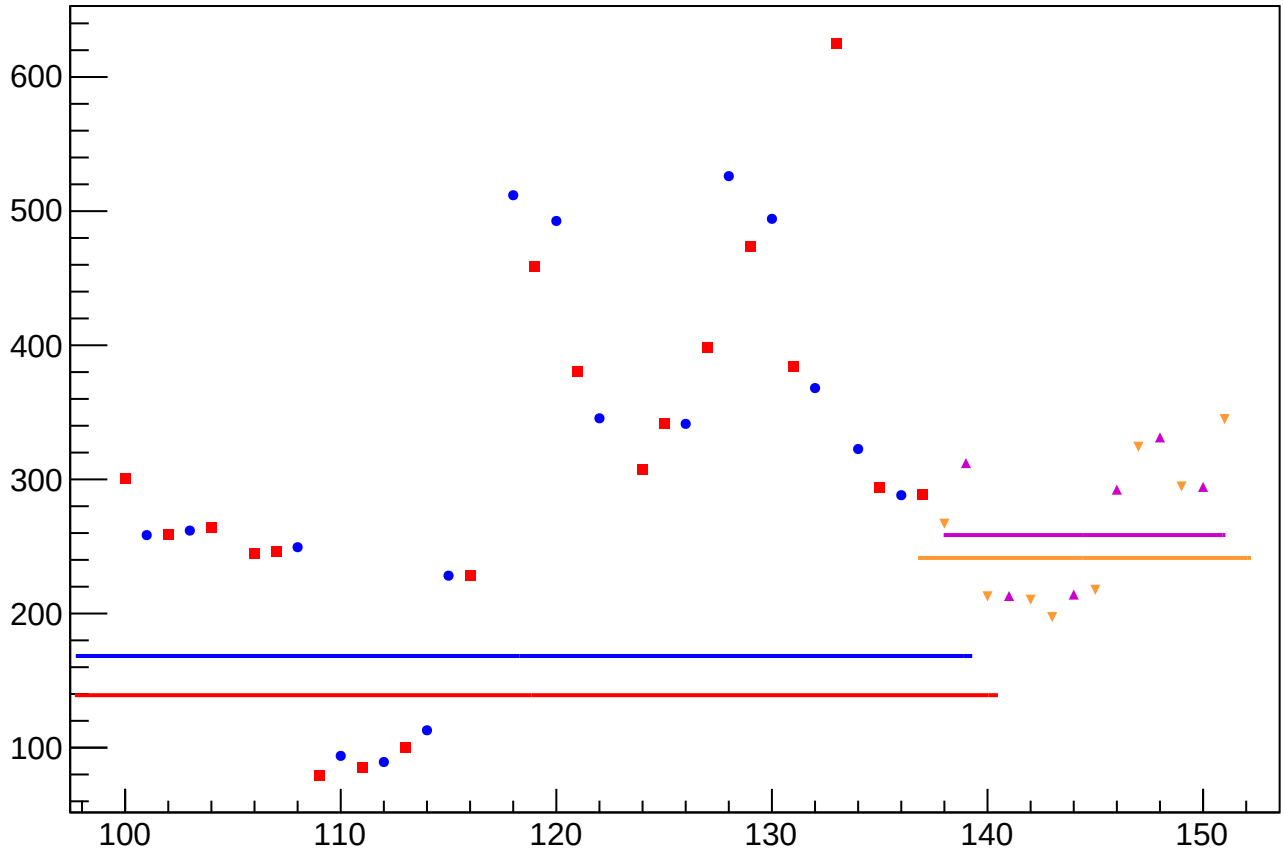
Left: -90.189+/-75.160 χ^2/NDF: 26.5/13

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -41.312+/-63.494 χ^2/NDF:27.1/21

Out: -76.443+/-53.867 χ^2/NDF:30.7/26

All: -61.740+/-41.076 χ^2/NDF: 57.9/48



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 241.449+/-0.070 χ^2/NDF:475672.0/7

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 258.504+/-0.081 χ^2/NDF:337851.3/5

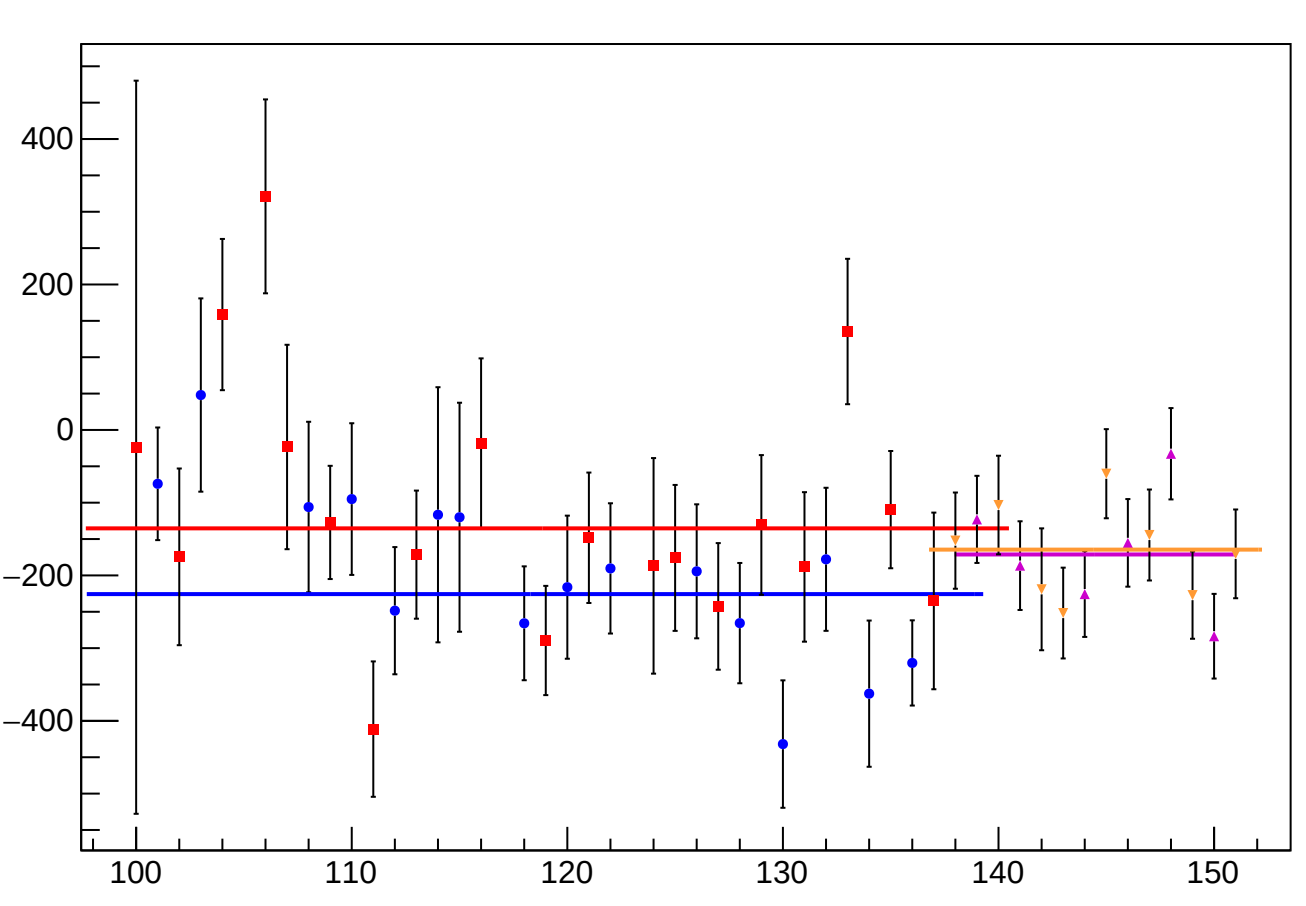
Left: 248.760+/-0.053 χ^2/NDF: 838742.8/13

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 195.916+/-0.045 χ^2/NDF:5738484.8/21

Out: 169.140+/-0.038 χ^2/NDF:7102646.2/26

All: 180.346+/-0.029 χ^2/NDF: 13047956.3/48



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -164.532+/-22.860 χ^2/NDF:7.3/7

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -171.210+/-24.543 χ^2/NDF:10.2/5

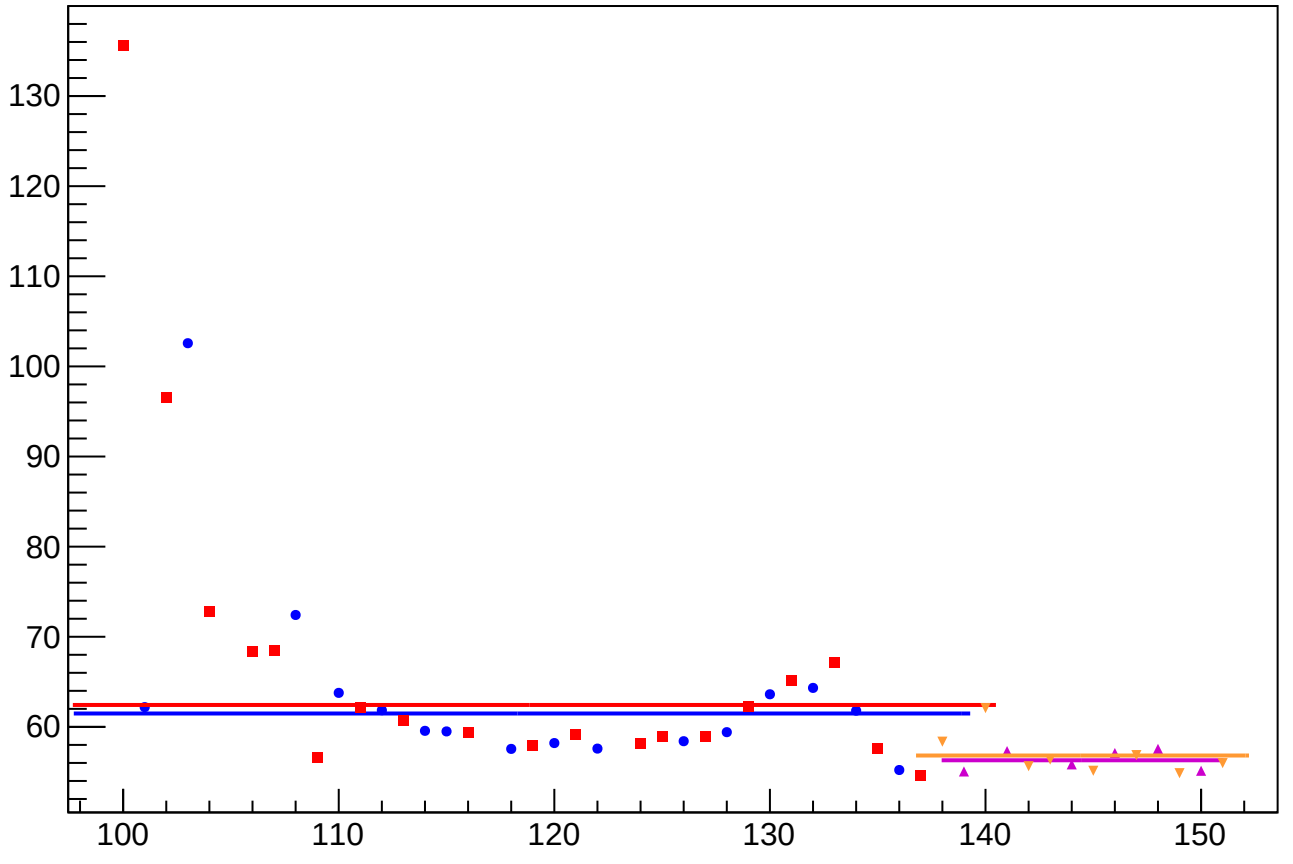
Left: -167.634+/-16.728 χ^2/NDF: 17.6/13

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.078+/-16.828 χ^2/NDF:35.5/21

Out: -150.140+/-16.285 χ^2/NDF:53.0/26

All: -174.290+/-11.703 χ^2/NDF: 93.0/48



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.824+/-0.016 χ^2/NDF:17664.3/7

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.294+/-0.017 χ^2/NDF:3508.6/5

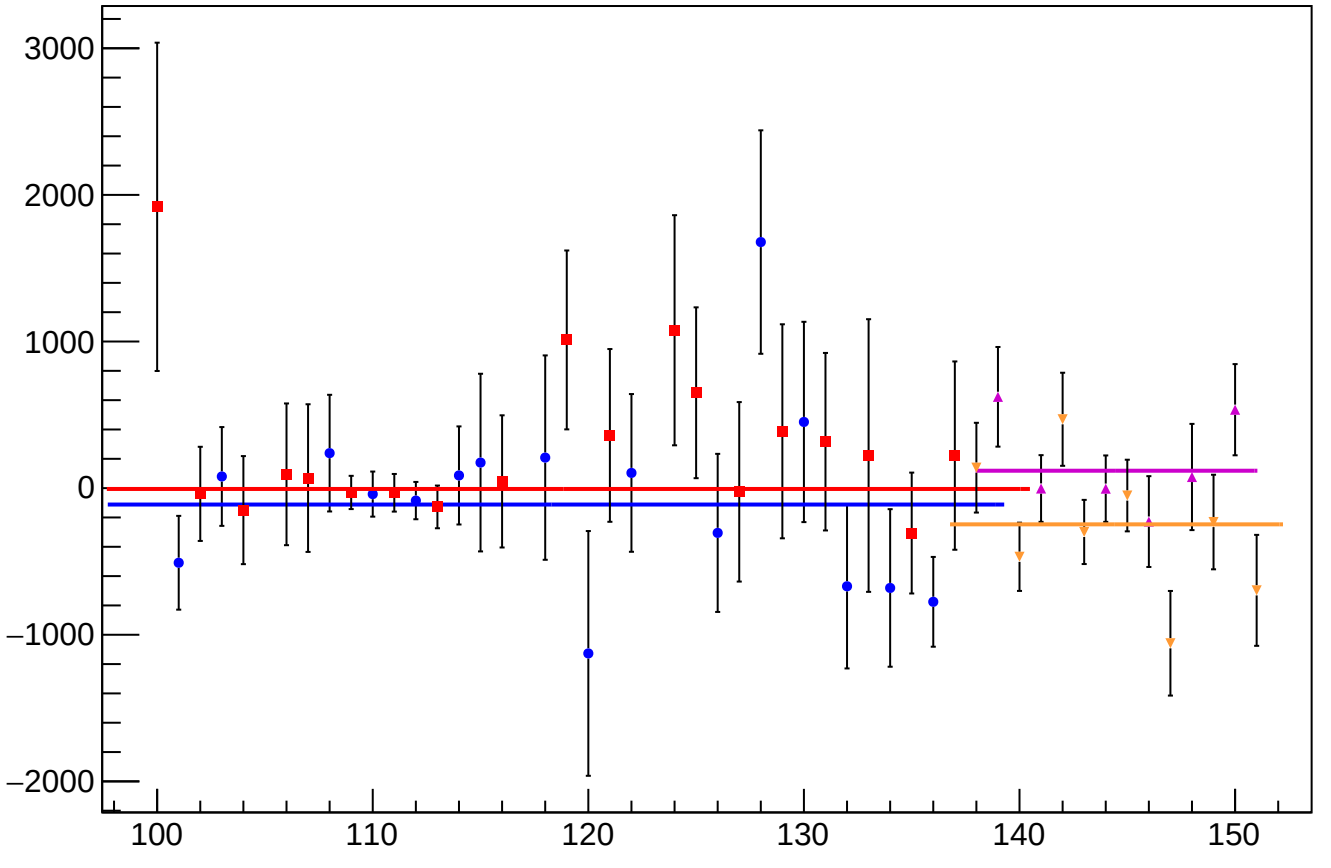
Left: 56.578+/-0.012 χ^2/NDF: 21671.0/13

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 59.045+/-0.012 χ^2/NDF:301593.5/21

Out: 59.586+/-0.012 χ^2/NDF:356370.4/26

All: 59.325+/-0.008 χ^2/NDF: 659031.4/48



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -246.962+/-99.435 χ^2/NDF:14.9/7

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 118.762+/-114.796 χ^2/NDF:5.8/5

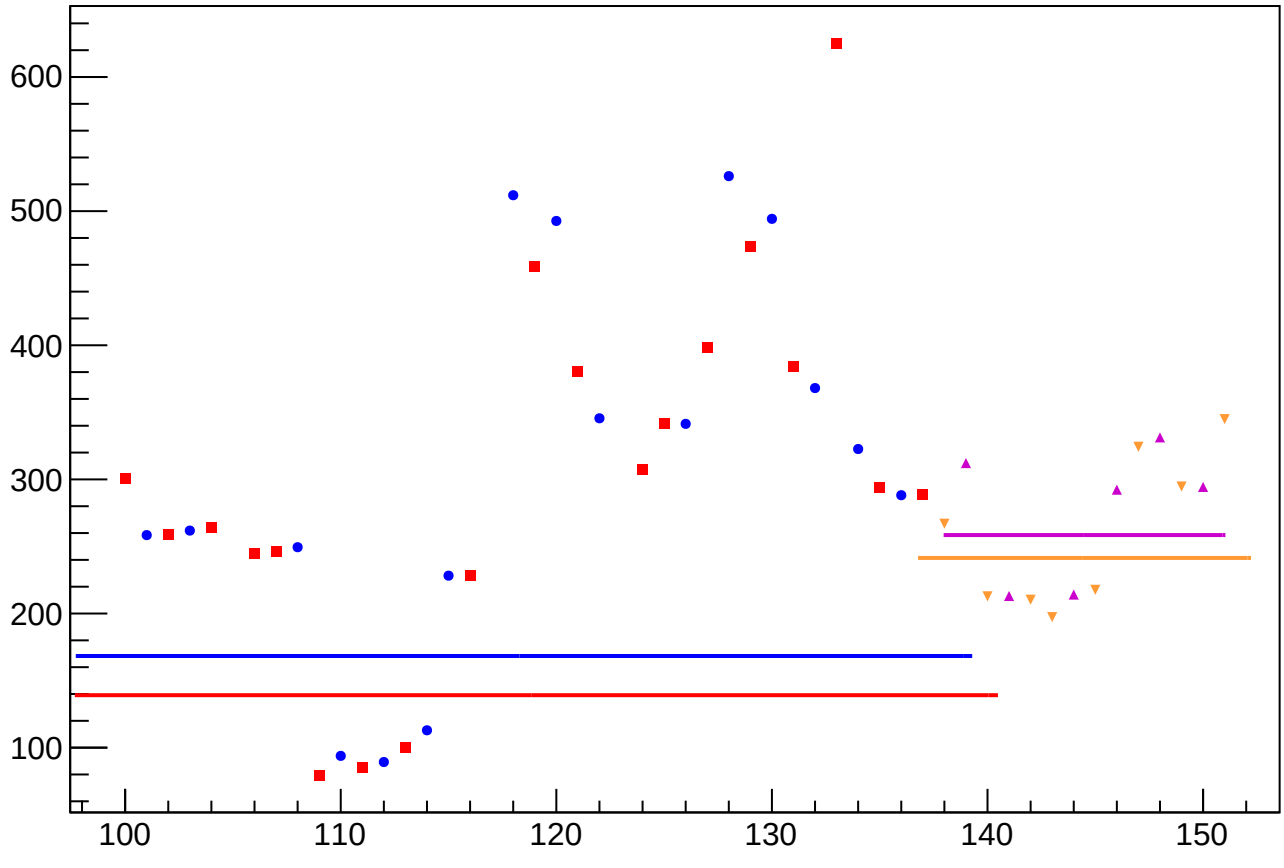
Left: -90.189+/-75.160 χ^2/NDF: 26.5/13

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -41.312+/-63.494 χ^2/NDF:27.1/21

Out: -76.443+/-53.867 χ^2/NDF:30.7/26

All: -61.740+/-41.076 χ^2/NDF: 57.9/48



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 241.449+/-0.070 χ^2/NDF:475672.0/7

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 258.504+/-0.081 χ^2/NDF:337851.3/5

Left: 248.760+/-0.053 χ^2/NDF: 838742.8/13

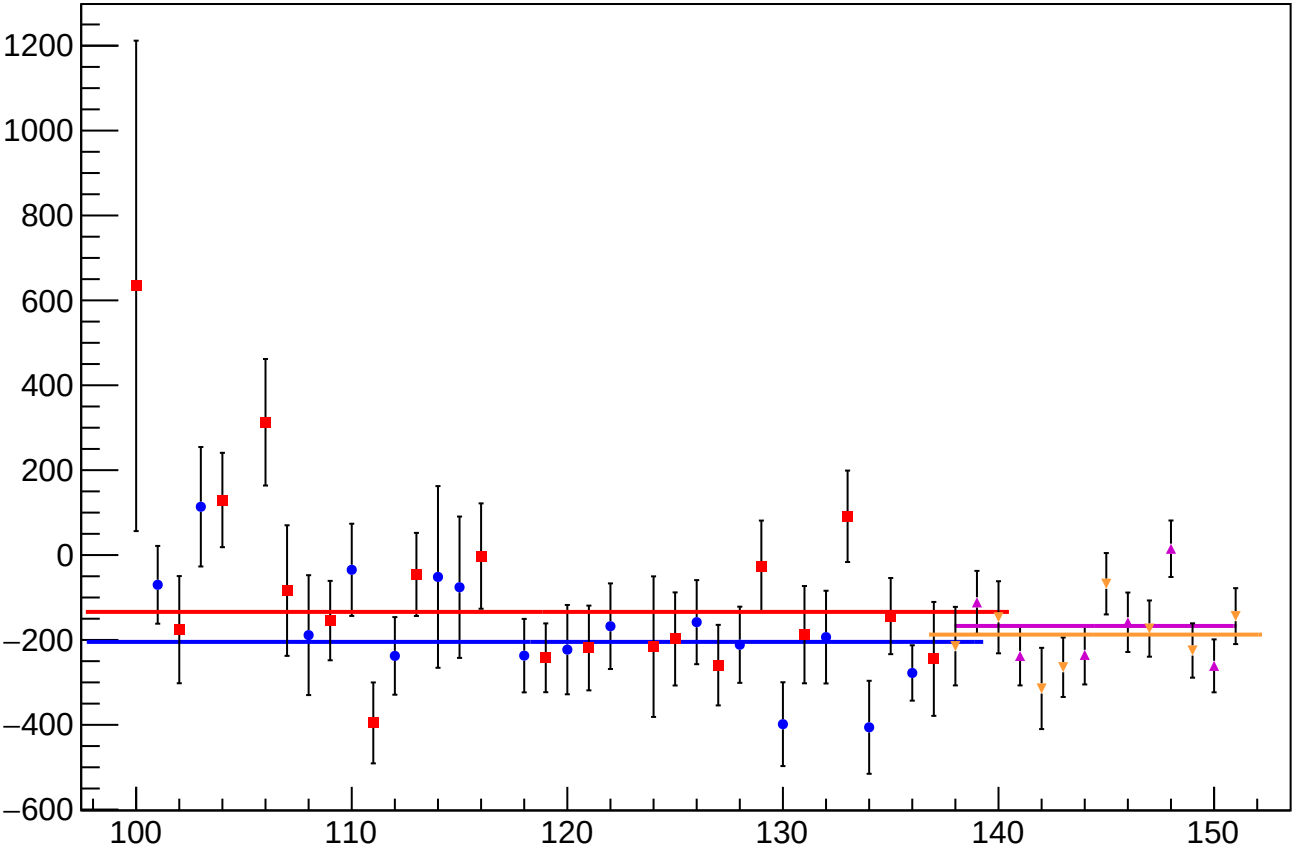
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 195.916+/-0.045 χ^2/NDF:5738484.8/21

Out: 169.140+/-0.038 χ^2/NDF:7102646.2/26

All: 180.346+/-0.029 χ^2/NDF: 13047956.3/48

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -187.403+/-26.152 χ^2/NDF:6.9/7

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -167.001+/-27.918 χ^2/NDF:12.3/5

Left: -177.867+/-19.086 χ^2/NDF: 19.5/13

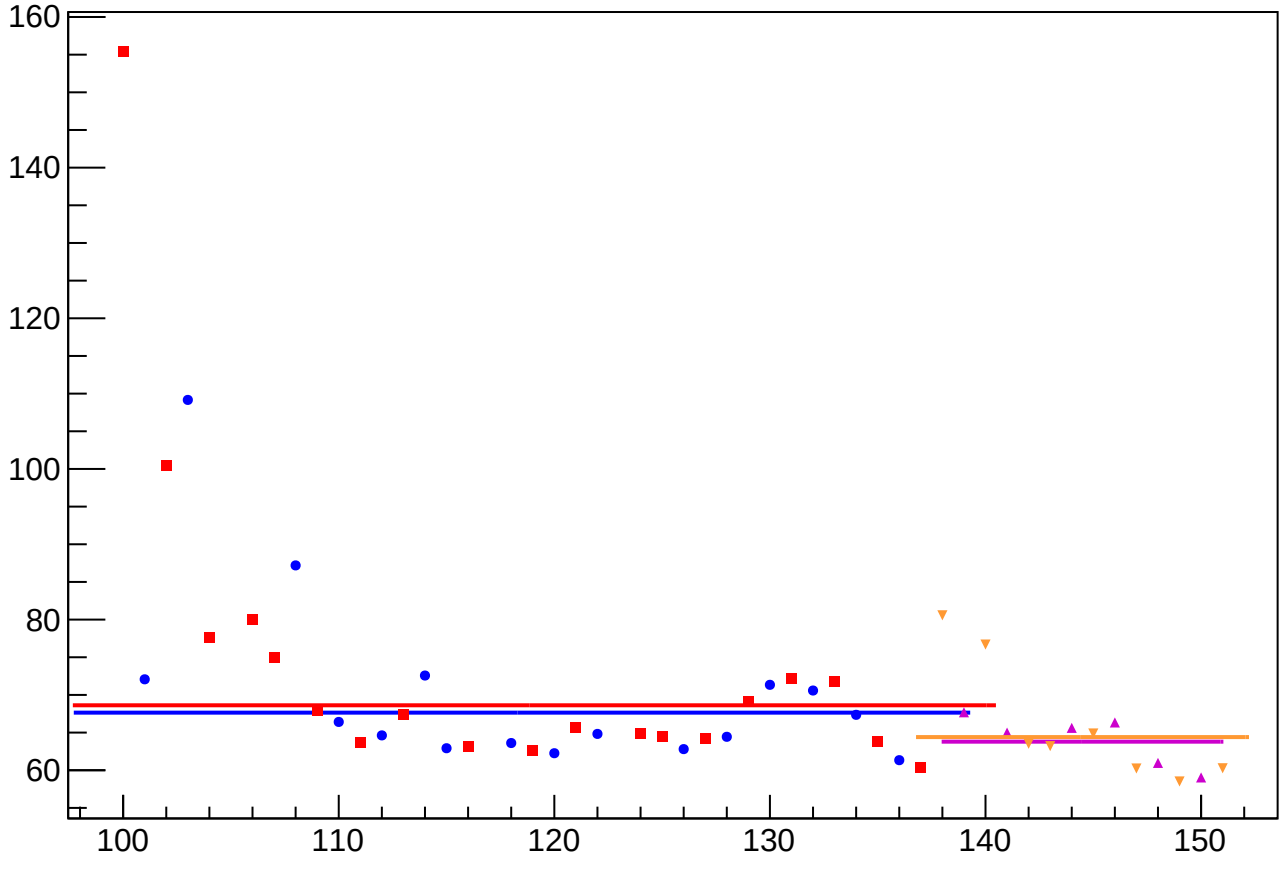
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -187.469+/-18.838 χ^2/NDF:33.3/21

Out: -159.971+/-18.251 χ^2/NDF:46.2/26

All: -173.286+/-13.108 χ^2/NDF: 80.6/48

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 64.402+/-0.018 χ^2/NDF:136513.0/7

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.794+/-0.020 χ^2/NDF:25371.6/5

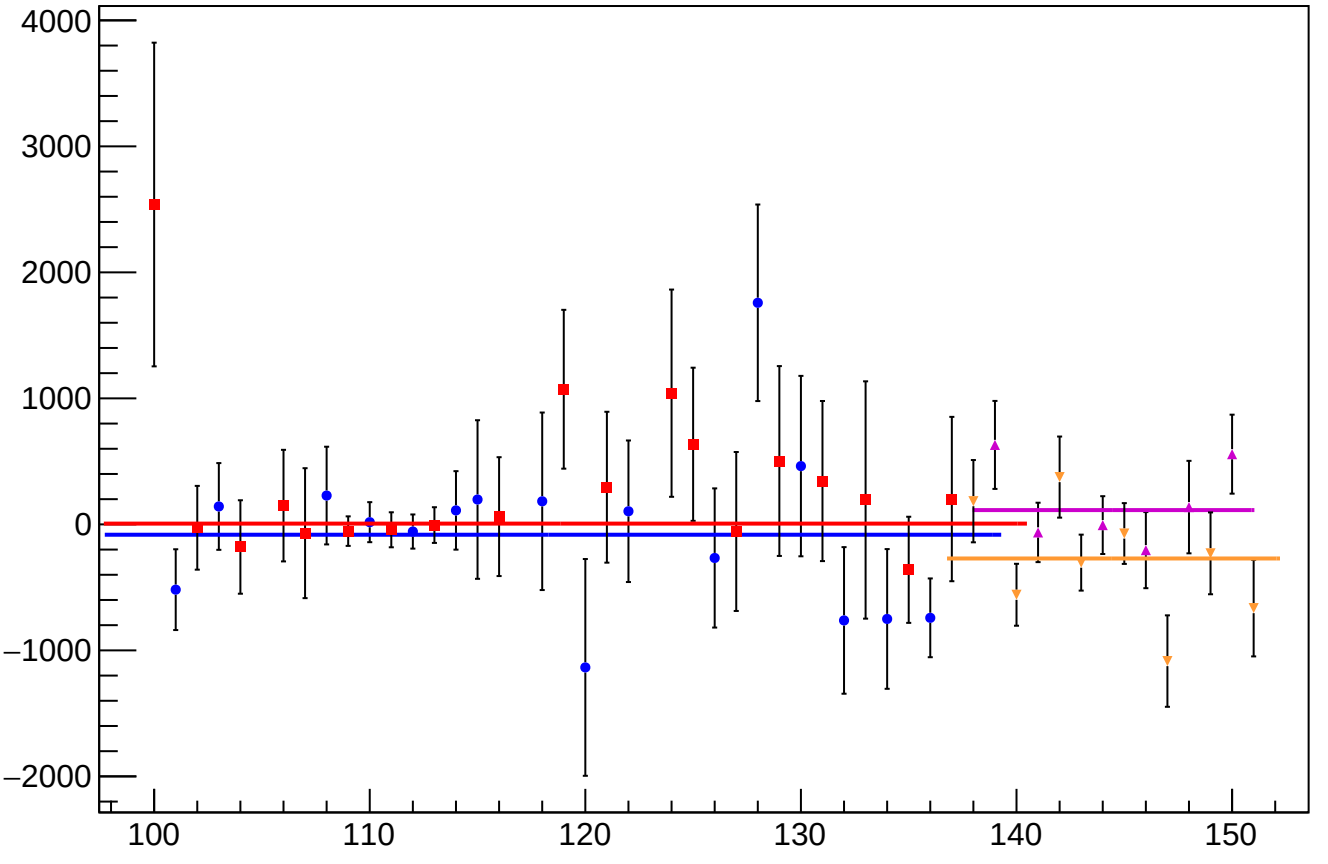
Left: 64.118+/-0.013 χ^2/NDF: 162390.0/13

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 65.893+/-0.013 χ^2/NDF:309796.4/21

Out: 66.568+/-0.013 χ^2/NDF:411412.2/26

All: 66.241+/-0.009 χ^2/NDF: 722531.8/48



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -270.710+/-101.566 χ^2/NDF:14.1/7

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 113.352+/-116.428 χ^2/NDF:6.1/5

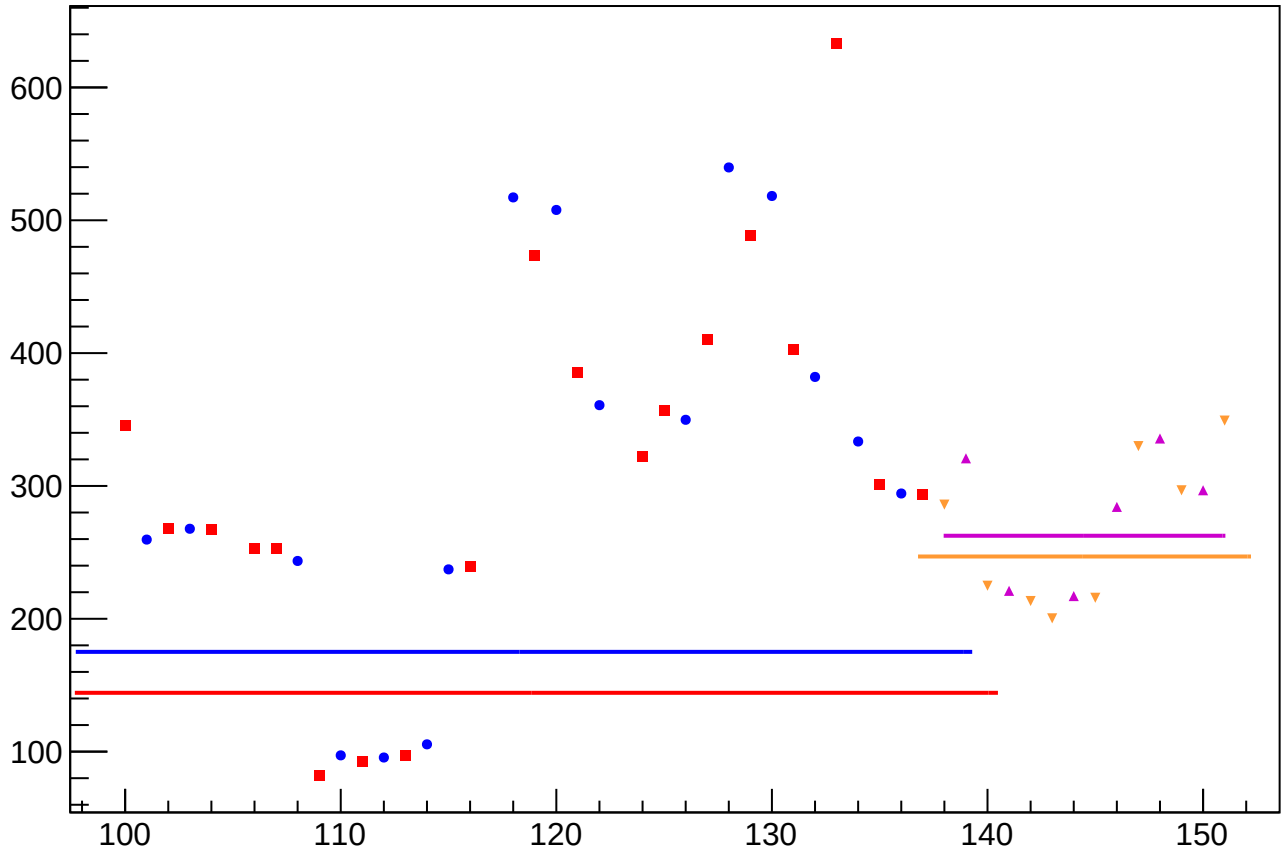
Left: -104.741+/-76.536 χ^2/NDF: 26.5/13

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -20.916+/-65.188 χ^2/NDF:27.3/21

Out: -75.953+/-55.289 χ^2/NDF:31.4/26

All: -52.926+/-42.165 χ^2/NDF: 59.1/48



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 246.890+/-0.072 χ^2/NDF:481814.1/7

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 262.509+/-0.082 χ^2/NDF:309814.1/5

Left: 253.640+/-0.054 χ^2/NDF: 812069.1/13

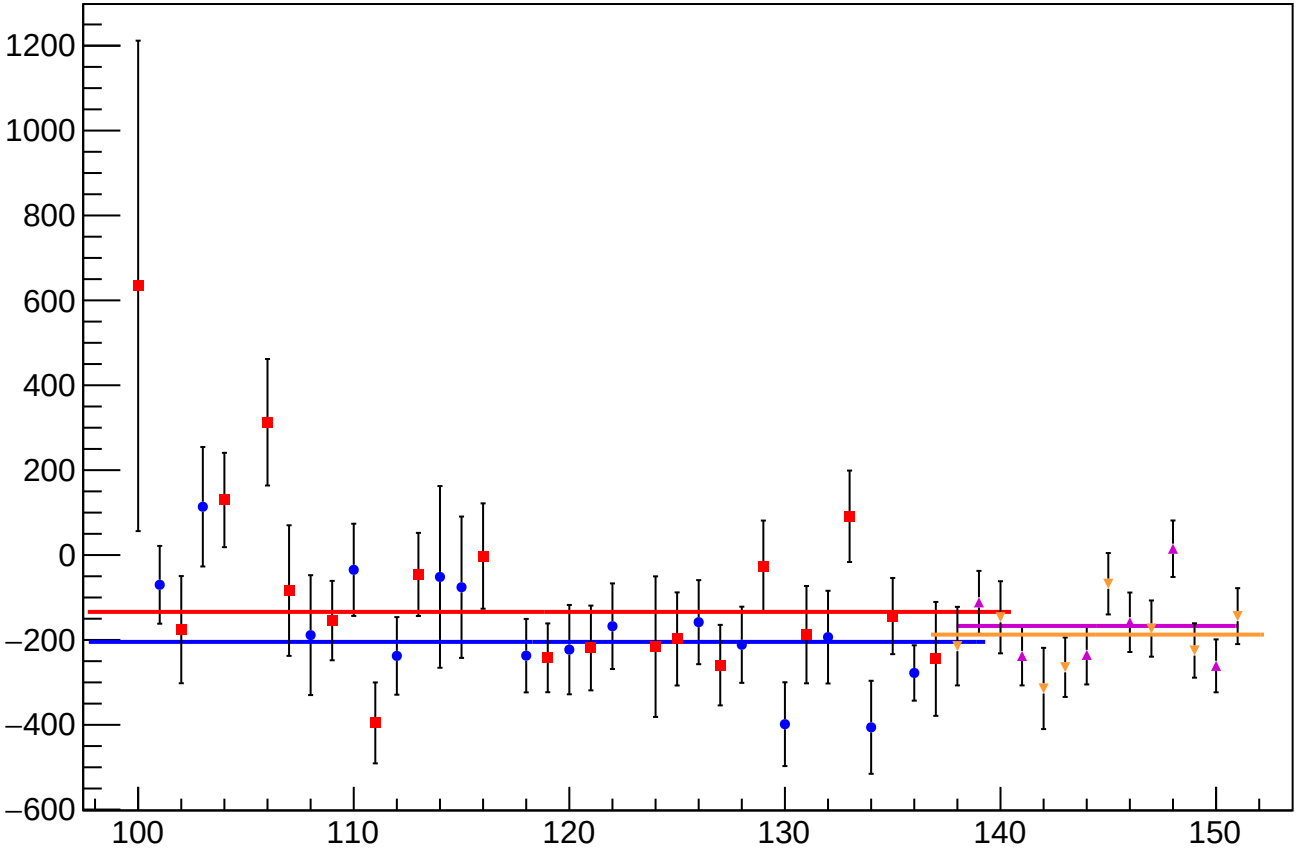
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 202.501+/-0.046 χ^2/NDF:5512797.1/21

Out: 174.684+/-0.039 χ^2/NDF:7050771.4/26

All: 186.322+/-0.030 χ^2/NDF: 12775388.7/48

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -187.403+/-26.153 χ^2/NDF:6.9/7

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -167.001+/-27.918 χ^2/NDF:12.3/5

Left: -177.868+/-19.086 χ^2/NDF: 19.5/13

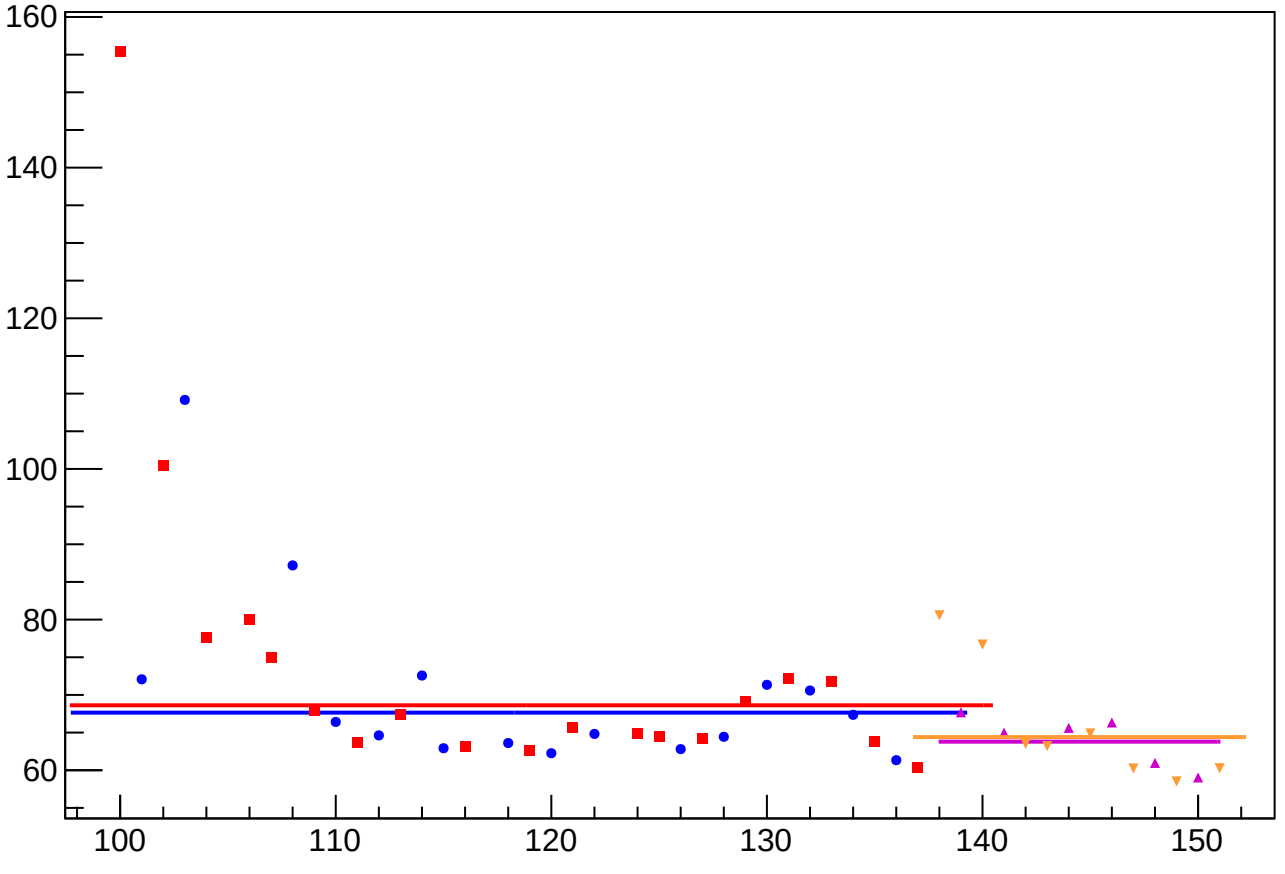
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -187.469+/-18.838 χ^2/NDF:33.3/21

Out: -159.972+/-18.251 χ^2/NDF:46.2/26

All: -173.286+/-13.108 χ^2/NDF: 80.6/48

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 64.402+/-0.018 χ^2/NDF:136511.6/7

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.794+/-0.020 χ^2/NDF:25371.9/5

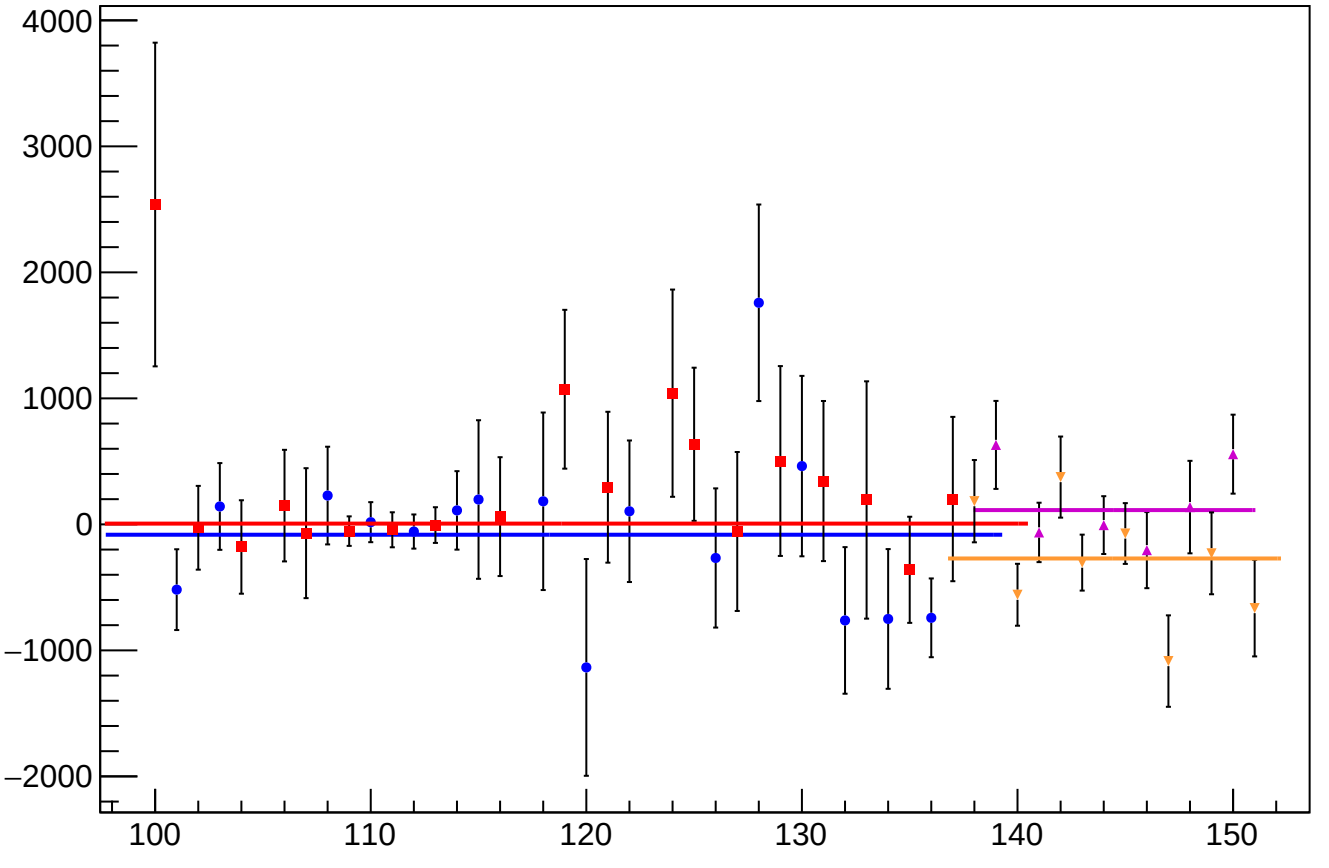
Left: 64.118+/-0.013 χ^2/NDF: 162388.9/13

Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 65.893+/-0.013 χ^2/NDF:309792.9/21

Out: 66.568+/-0.013 χ^2/NDF:411408.5/26

All: 66.241+/-0.009 χ^2/NDF: 722524.6/48



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -270.710+/-101.565 χ^2/NDF:14.1/7

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 113.352+/-116.427 χ^2/NDF:6.1/5

Left: -104.742+/-76.536 χ^2/NDF: 26.5/13

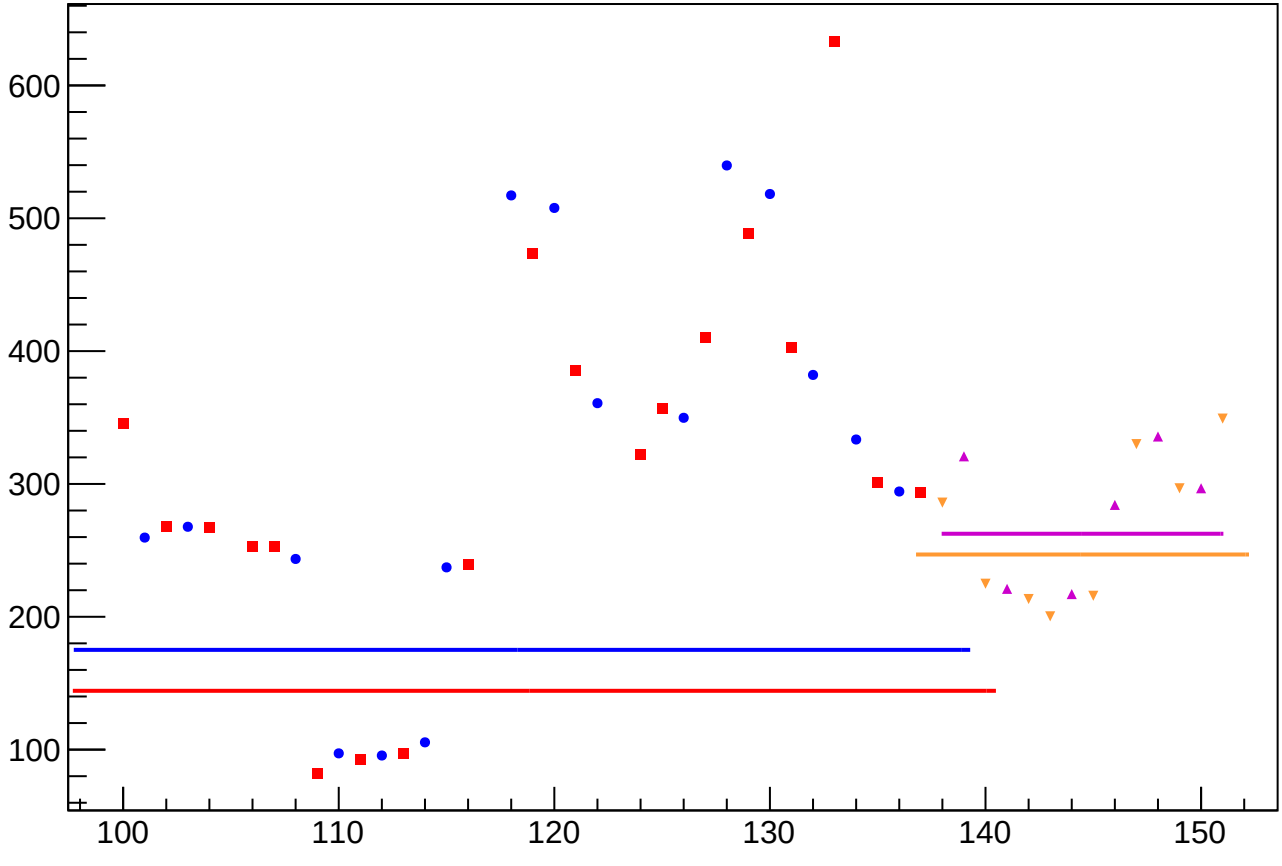
Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -20.915+/-65.187 χ^2/NDF:27.3/21

Out: -75.955+/-55.289 χ^2/NDF:31.4/26

All: -52.927+/-42.165 χ^2/NDF: 59.1/48

asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 246.889+/-0.072 χ^2/NDF:481816.0/7

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 262.508+/-0.082 χ^2/NDF:309812.0/5

Left: 253.639+/-0.054 χ^2/NDF: 812069.5/13

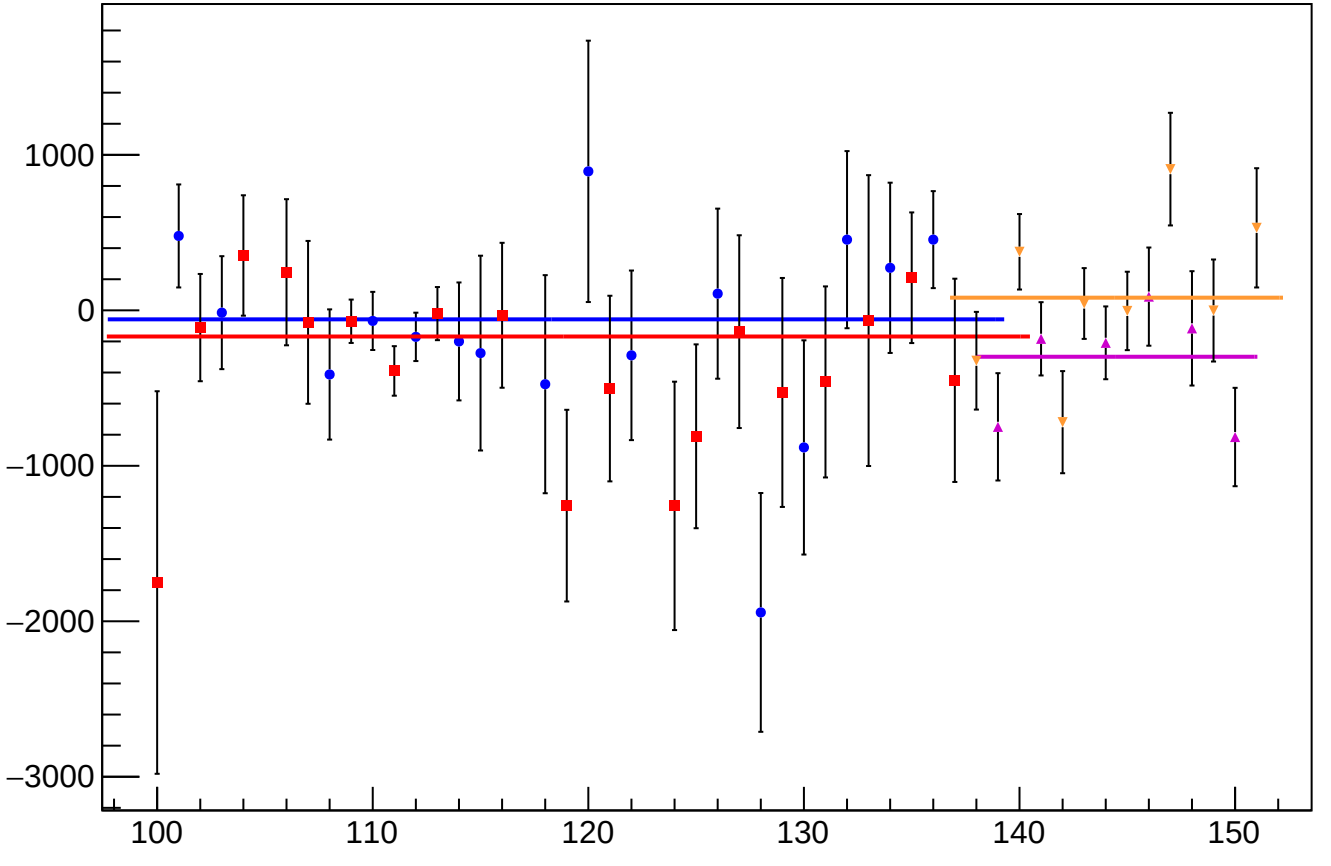
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 202.500+/-0.046 χ^2/NDF:5512830.8/21

Out: 174.683+/-0.039 χ^2/NDF:7050740.7/26

All: 186.321+/-0.030 χ^2/NDF: 12775380.2/48

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 81.411+/-102.548 χ^2/NDF:15.9/7

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -298.556+/-117.808 χ^2/NDF:6.5/5

Left: -82.384+/-77.349 χ^2/NDF: 28.3/13

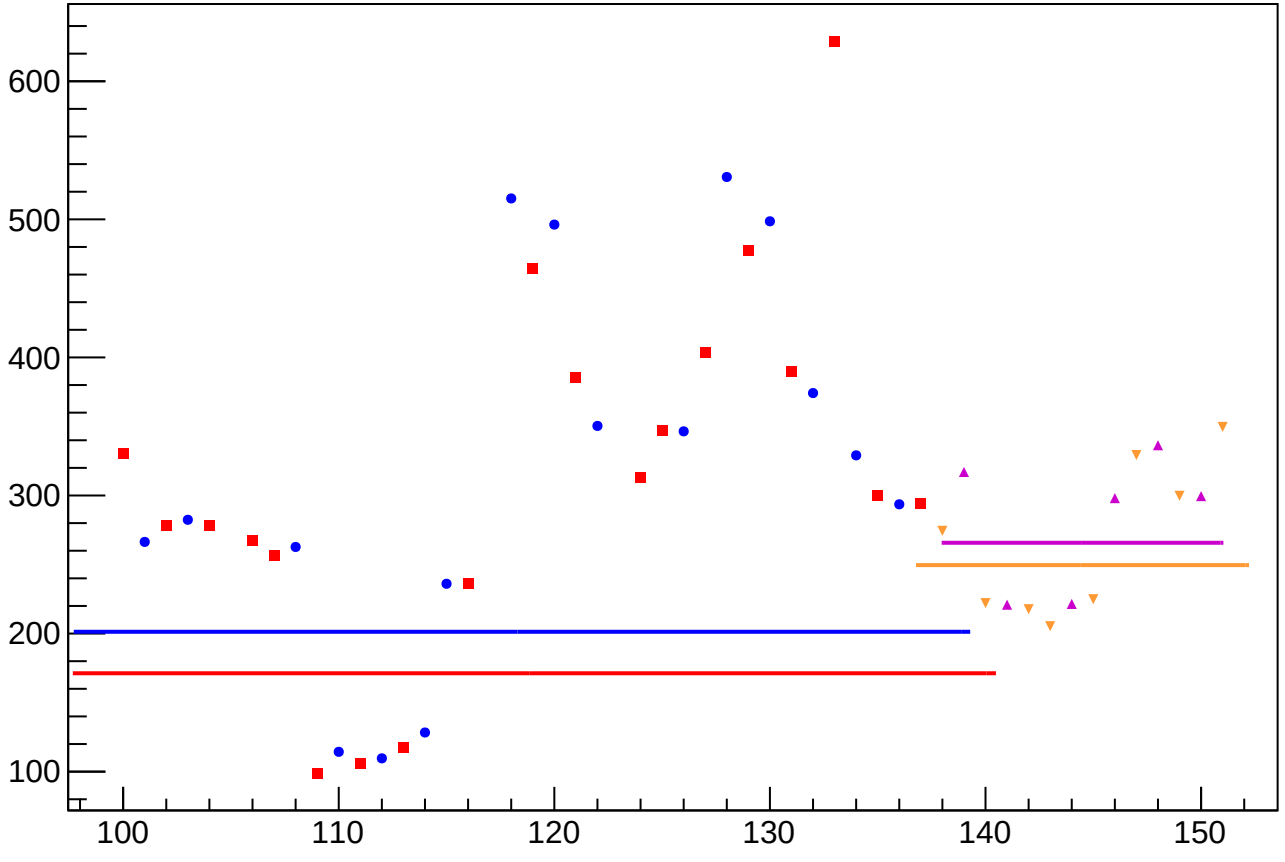
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -142.736+/-69.928 χ^2/NDF:26.6/21

Out: -81.901+/-60.325 χ^2/NDF:35.2/26

All: -107.857+/-45.677 χ^2/NDF: 62.3/48

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 249.583+/-0.073 χ^2/NDF:431836.3/7

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 265.764+/-0.083 χ^2/NDF:305641.1/5

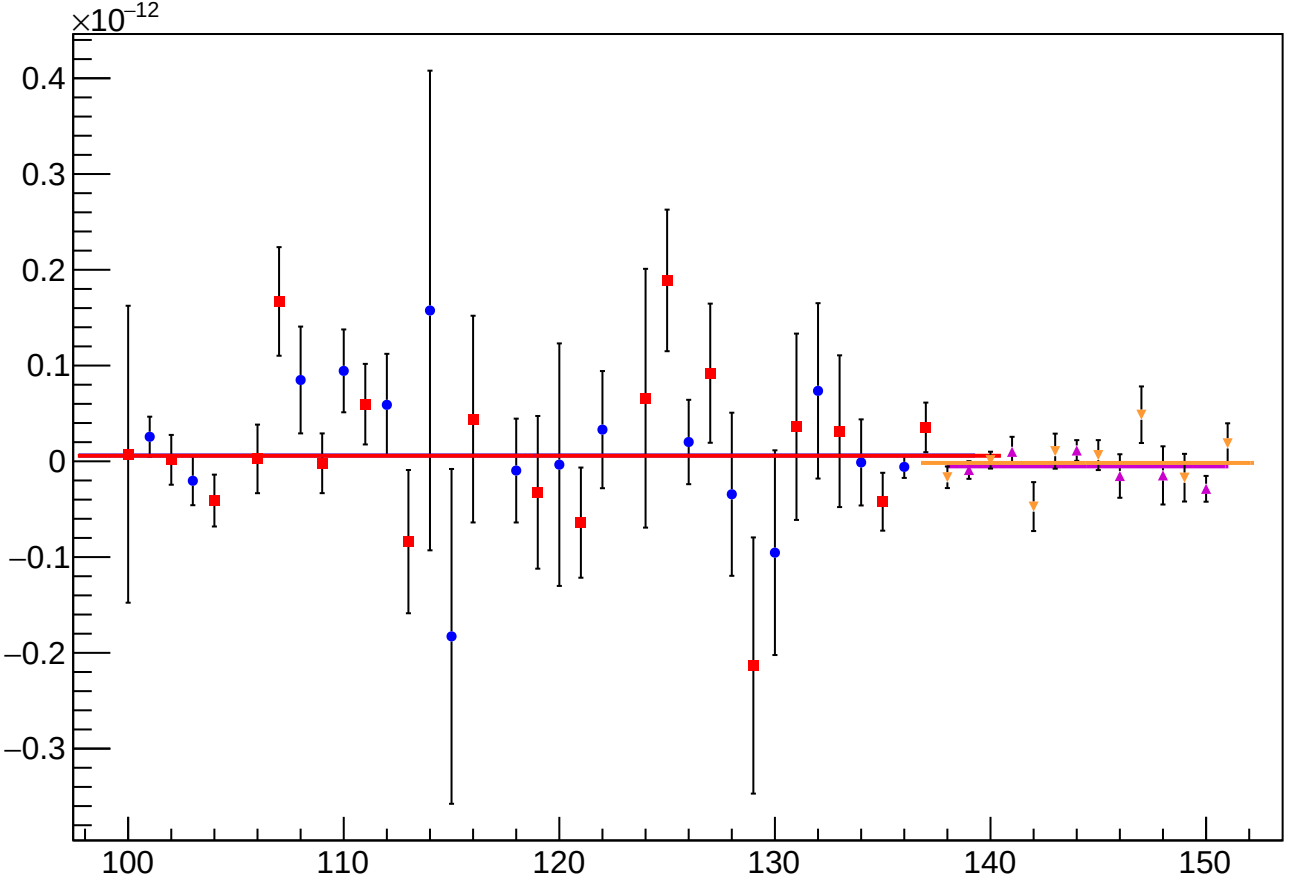
Left: 256.558+/-0.055 χ^2/NDF: 758943.3/13

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 224.013+/-0.049 χ^2/NDF:4265679.4/21

Out: 198.358+/-0.043 χ^2/NDF:5387510.9/26

All: 209.305+/-0.032 χ^2/NDF: 9807528.7/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/5

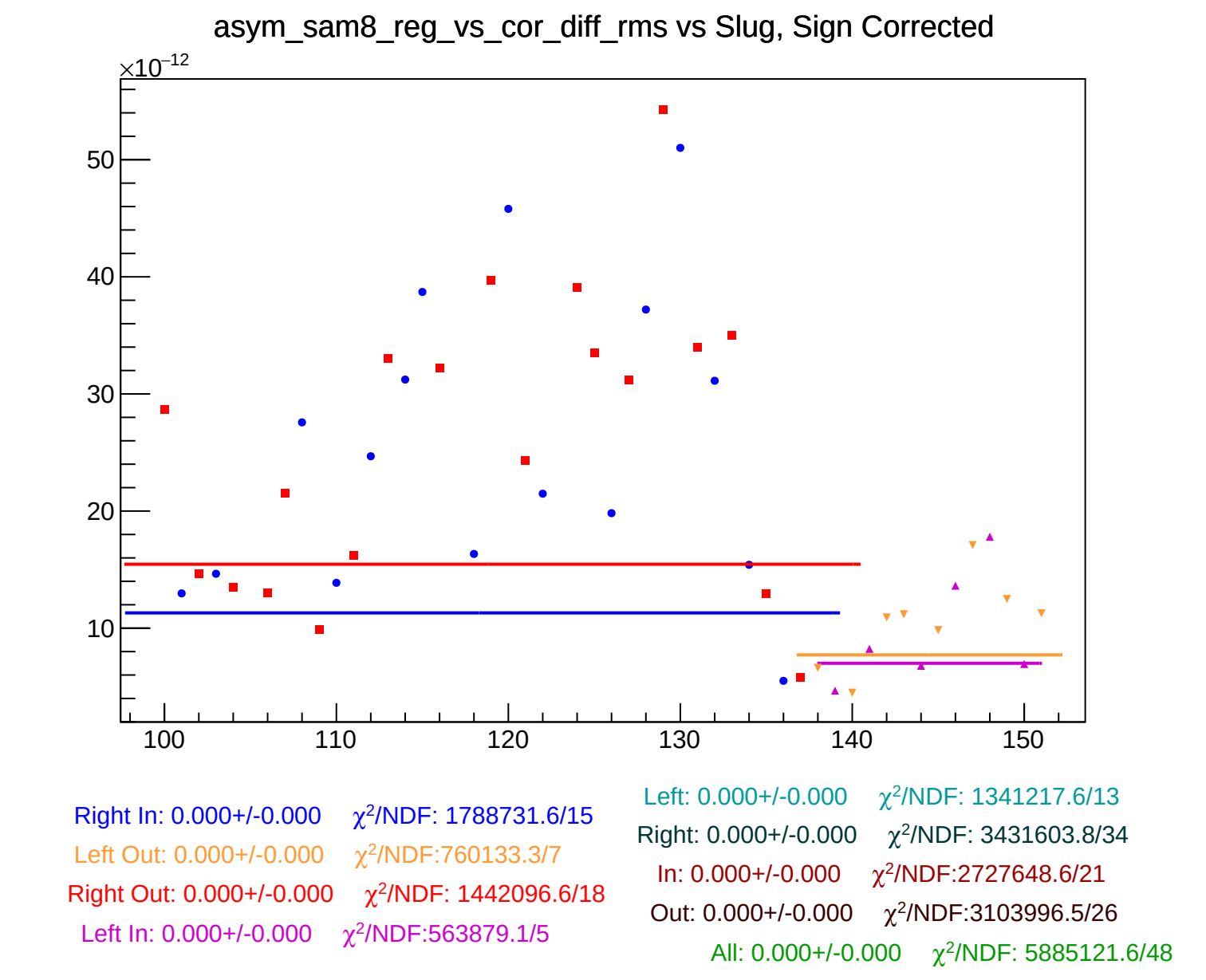
Left: -0.000+/-0.000 χ^2/NDF: 17.0/13

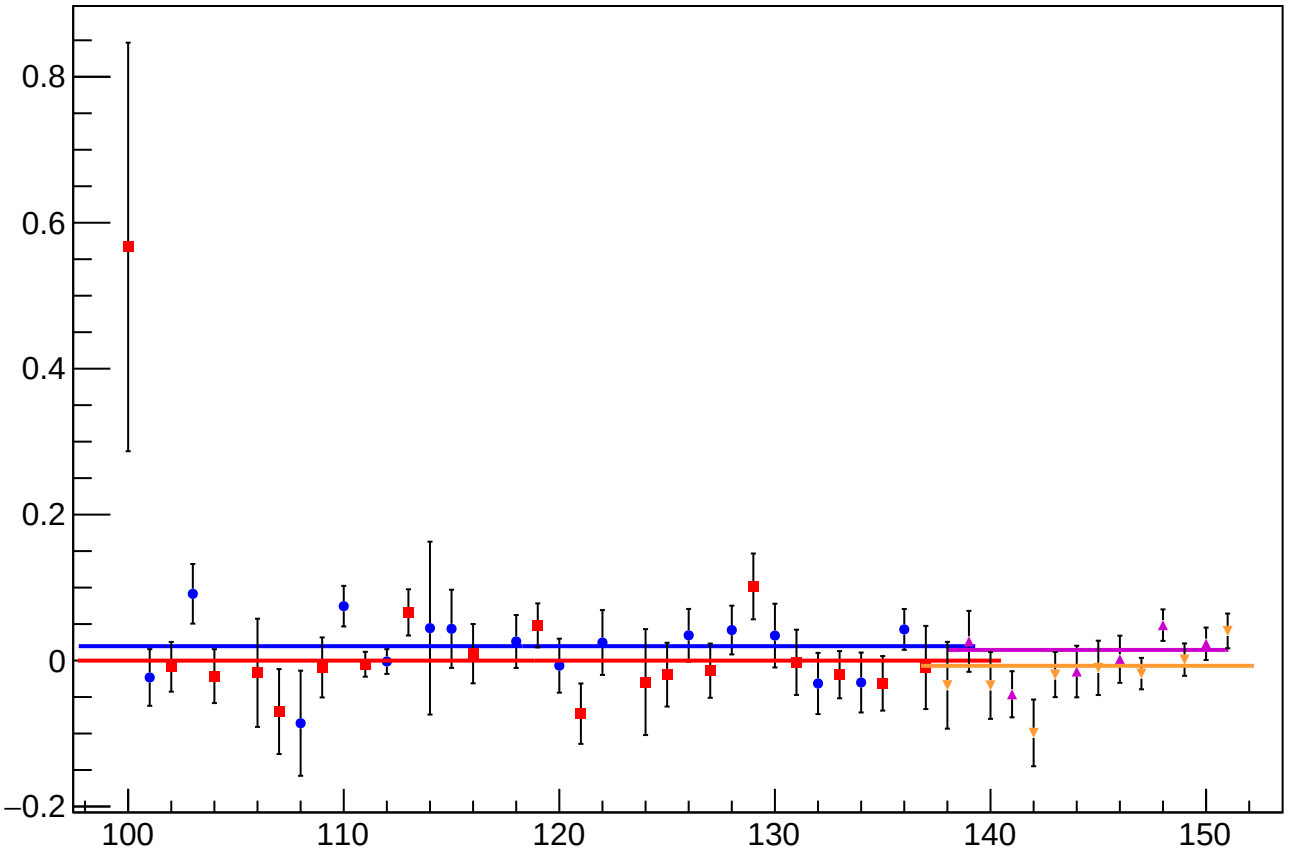
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:21.9/21

Out: -0.000+/-0.000 χ^2/NDF:41.0/26

All: -0.000+/-0.000 χ^2/NDF: 62.9/48


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:760133.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:563879.1/5
Left: 0.000+/-0.000 χ²/NDF: 1341217.6/13
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:2727648.6/21
Out: 0.000+/-0.000 χ²/NDF:3103996.5/26
All: 0.000+/-0.000 χ²/NDF: 5885121.6/48



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.015+/-0.012 χ^2/NDF:7.3/5

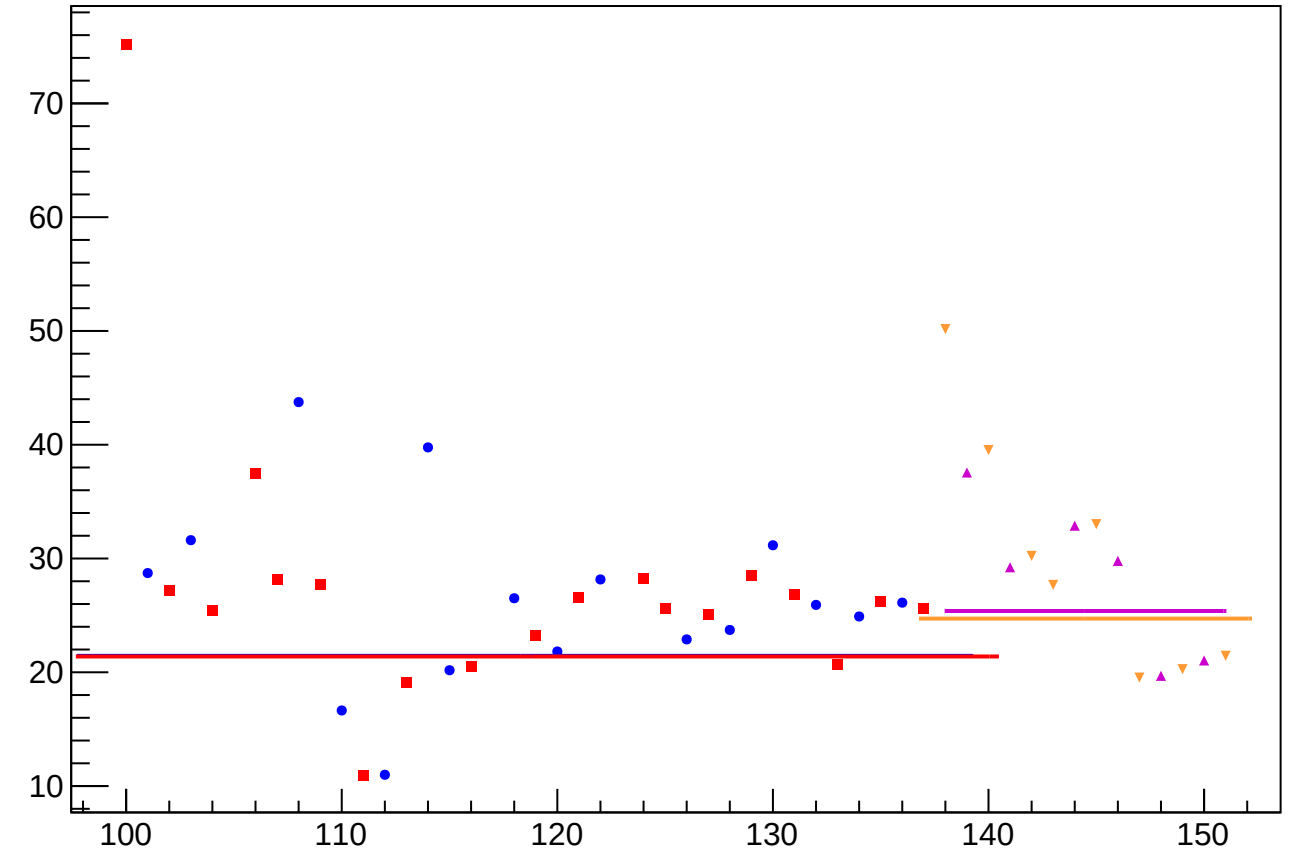
Left: 0.003+/-0.008 χ^2/NDF: 18.4/13

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/21

Out: -0.003+/-0.007 χ^2/NDF:32.3/26

All: 0.007+/-0.005 χ^2/NDF: 61.4/48



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.719+/-0.007 χ^2/NDF:955810.6/7

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.387+/-0.008 χ^2/NDF:542324.1/5

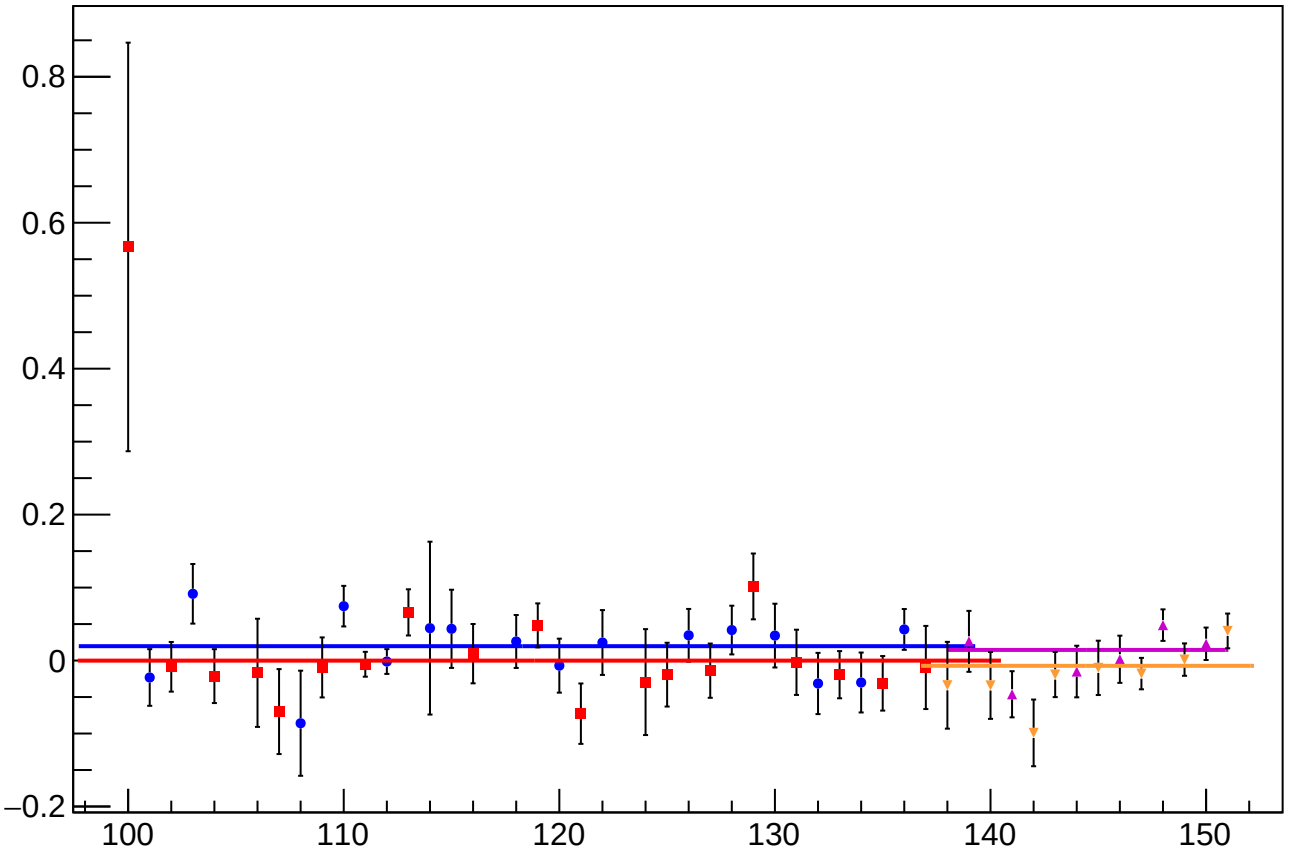
Left: 25.023+/-0.006 χ^2/NDF: 1501770.6/13

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.868+/-0.005 χ^2/NDF:2231995.7/21

Out: 22.699+/-0.005 χ^2/NDF:2388274.9/26

All: 22.780+/-0.003 χ^2/NDF: 4620893.9/48



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.015+/-0.012 χ^2/NDF:7.3/5

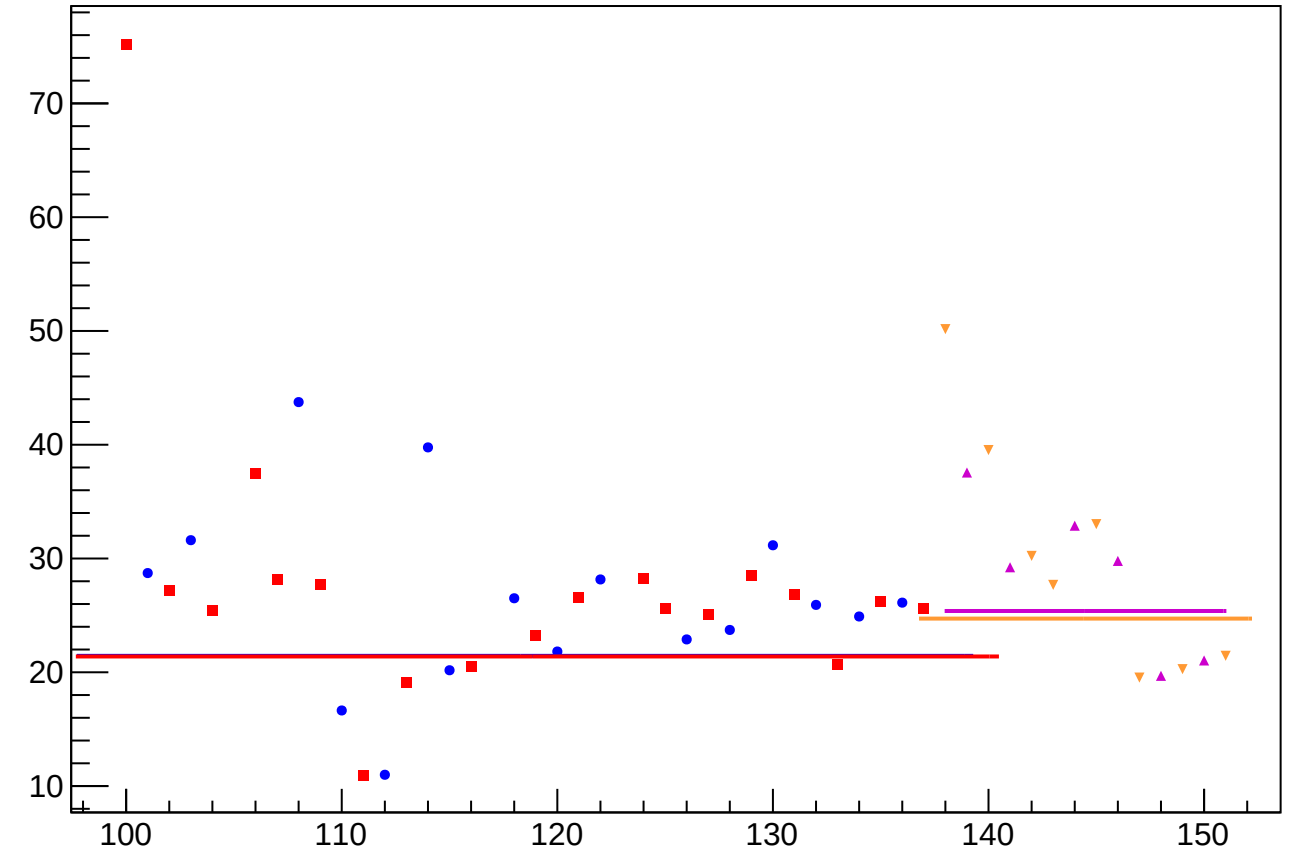
Left: 0.003+/-0.008 χ^2/NDF: 18.4/13

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/21

Out: -0.003+/-0.007 χ^2/NDF:32.3/26

All: 0.007+/-0.005 χ^2/NDF: 61.4/48



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.719+/-0.007 χ^2/NDF:955810.6/7

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.387+/-0.008 χ^2/NDF:542324.1/5

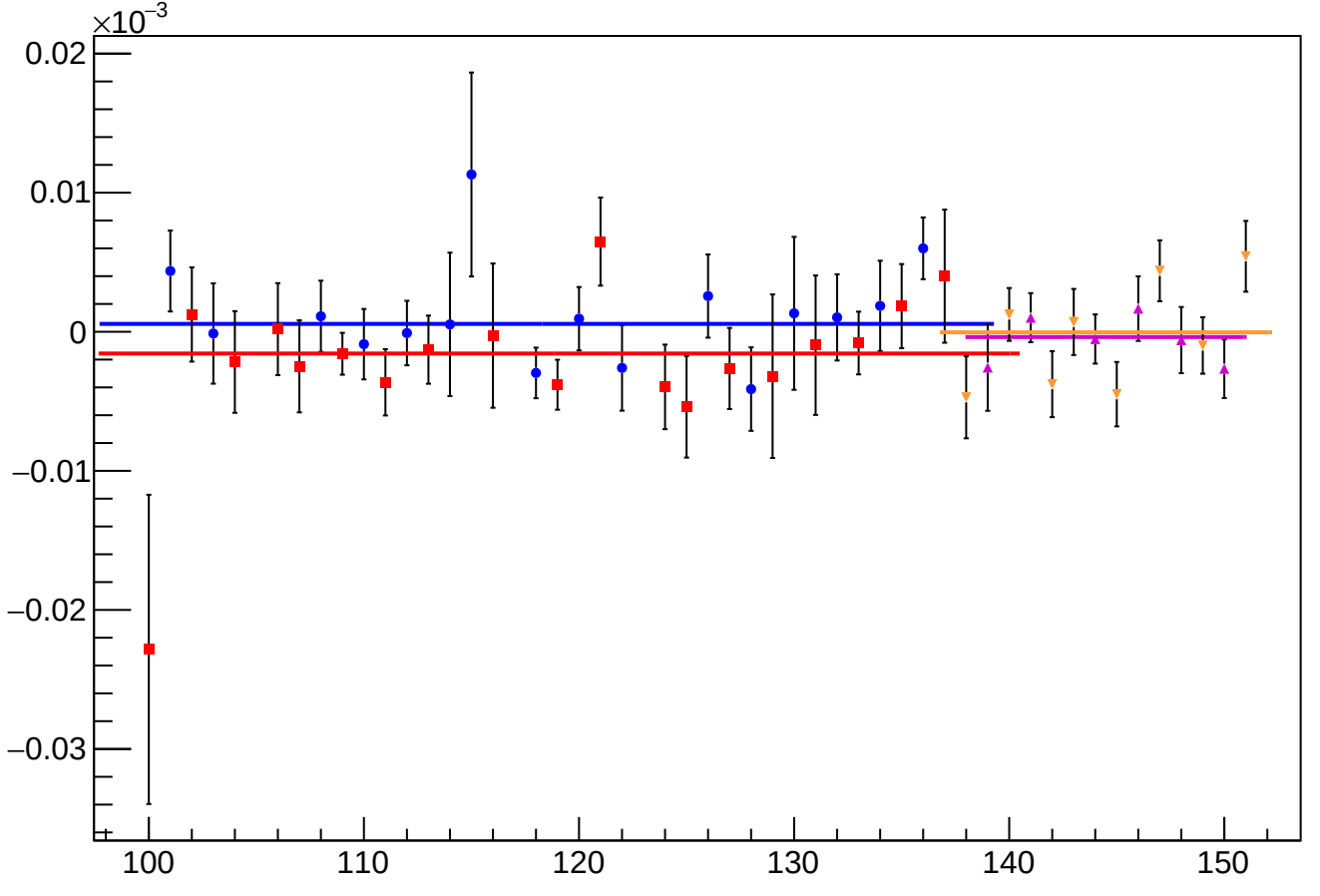
Left: 25.023+/-0.006 χ^2/NDF: 1501770.6/13

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.868+/-0.005 χ^2/NDF:2231995.7/21

Out: 22.699+/-0.005 χ^2/NDF:2388274.9/26

All: 22.780+/-0.003 χ^2/NDF: 4620893.9/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/5

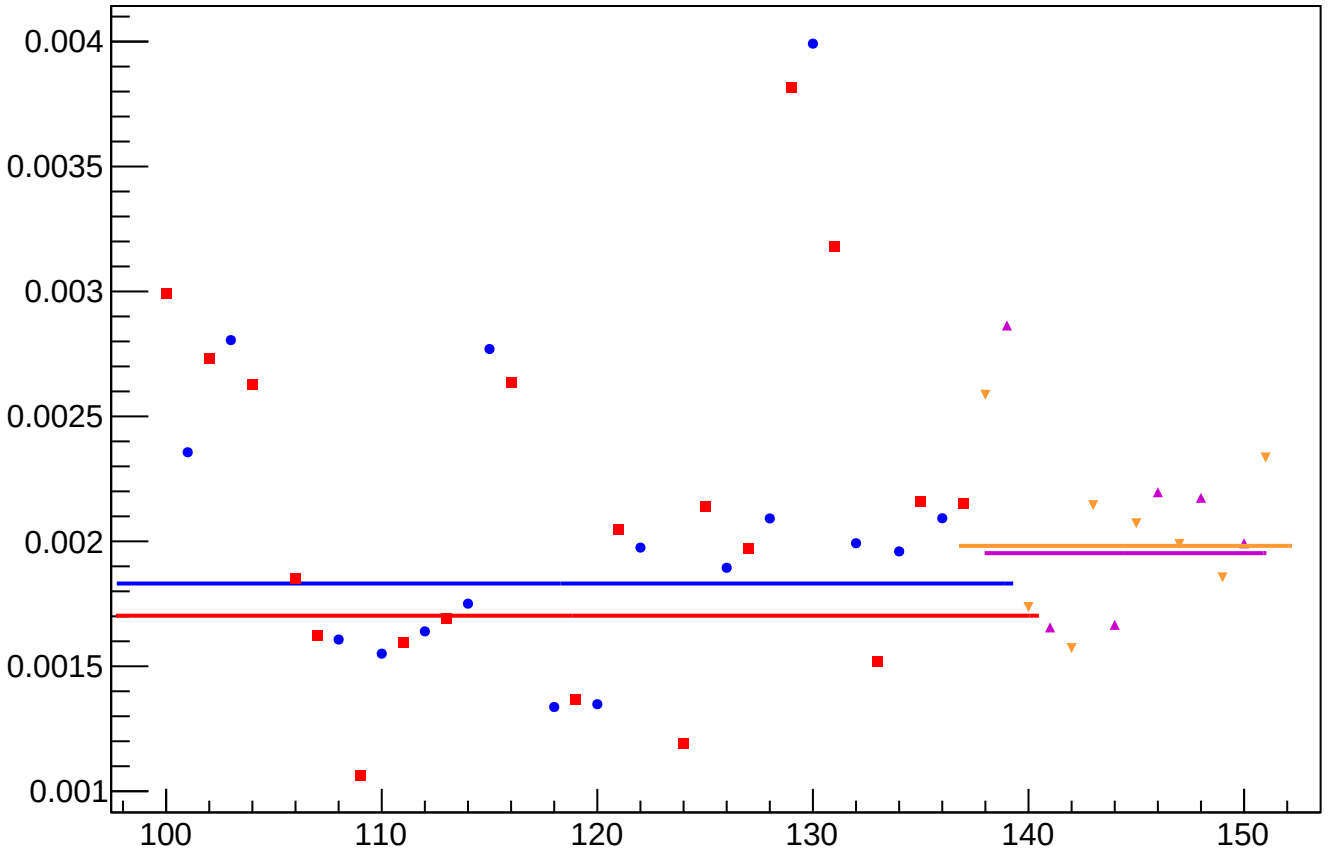
Left: -0.000+/-0.000 χ^2/NDF: 21.3/13

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:22.1/21

Out: -0.000+/-0.000 χ^2/NDF:38.6/26

All: -0.000+/-0.000 χ^2/NDF: 63.0/48



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:235462.0/7

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:320672.1/5

Left: 0.002+/-0.000 χ^2/NDF: 557341.8/13

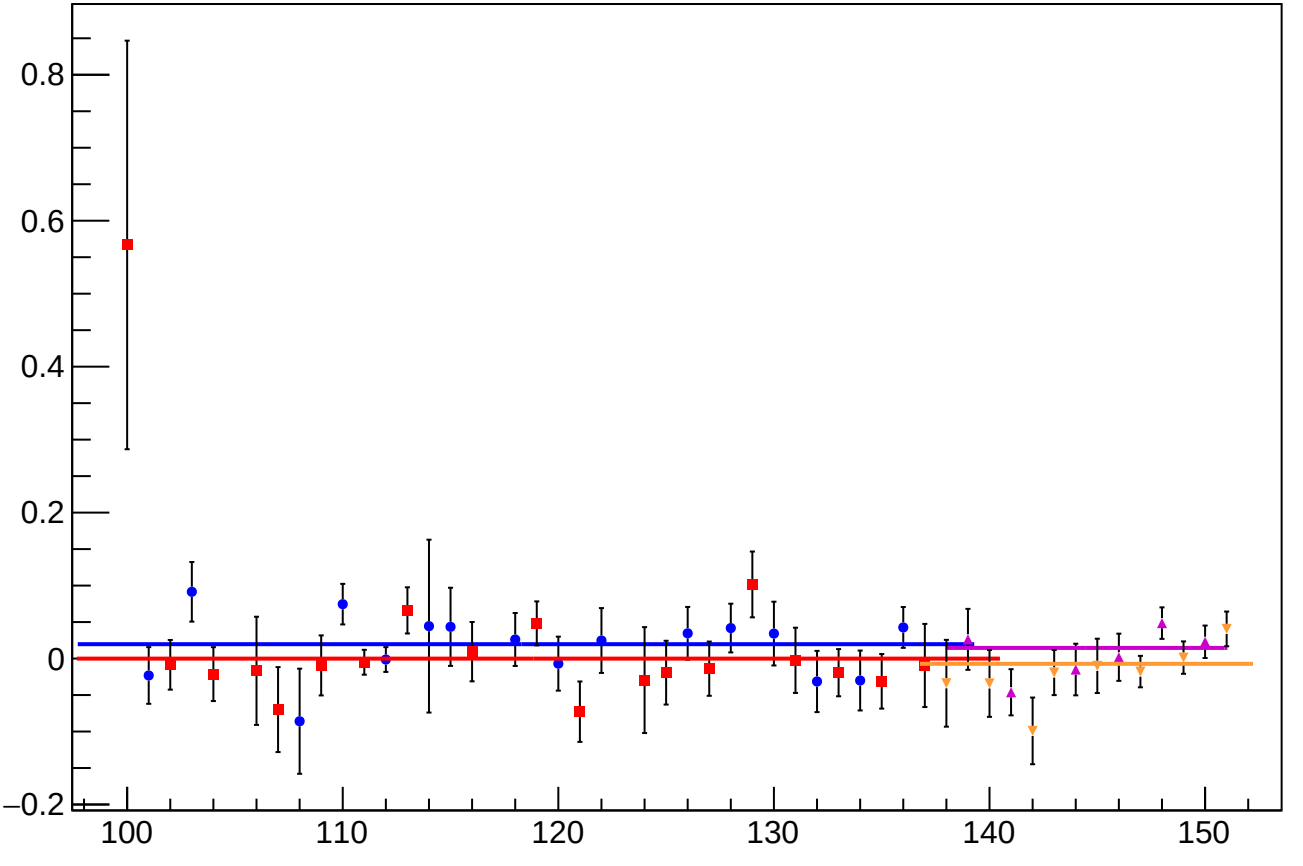
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1244709.1/21

Out: 0.002+/-0.000 χ^2/NDF:1857448.6/26

All: 0.002+/-0.000 χ^2/NDF: 3117406.4/48

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.015+/-0.012 χ^2/NDF:7.3/5

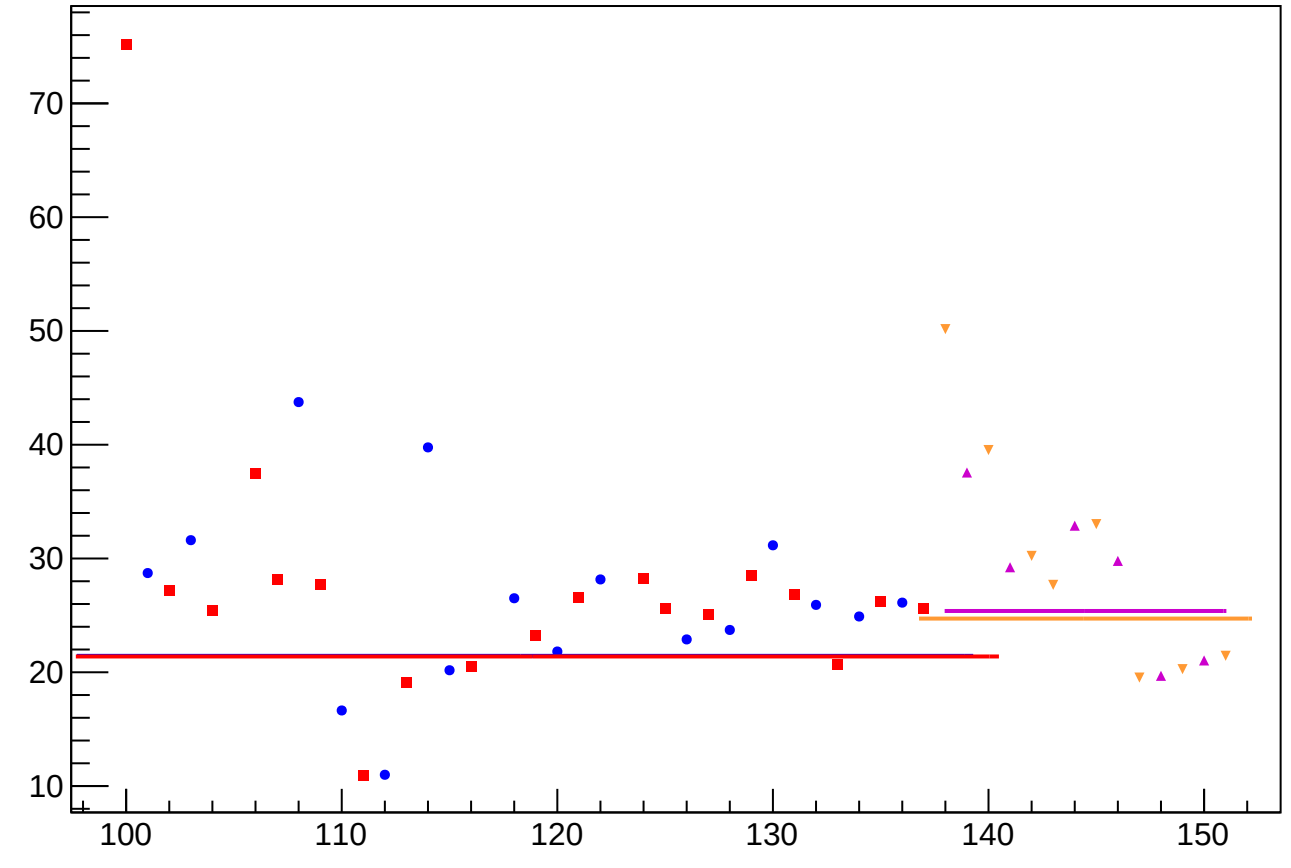
Left: 0.003+/-0.008 χ^2/NDF: 18.4/13

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/21

Out: -0.003+/-0.007 χ^2/NDF:32.3/26

All: 0.007+/-0.005 χ^2/NDF: 61.4/48



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.720+/-0.007 χ^2/NDF:955802.9/7

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.387+/-0.008 χ^2/NDF:542318.3/5

Left: 25.024+/-0.006 χ^2/NDF: 1501756.8/13

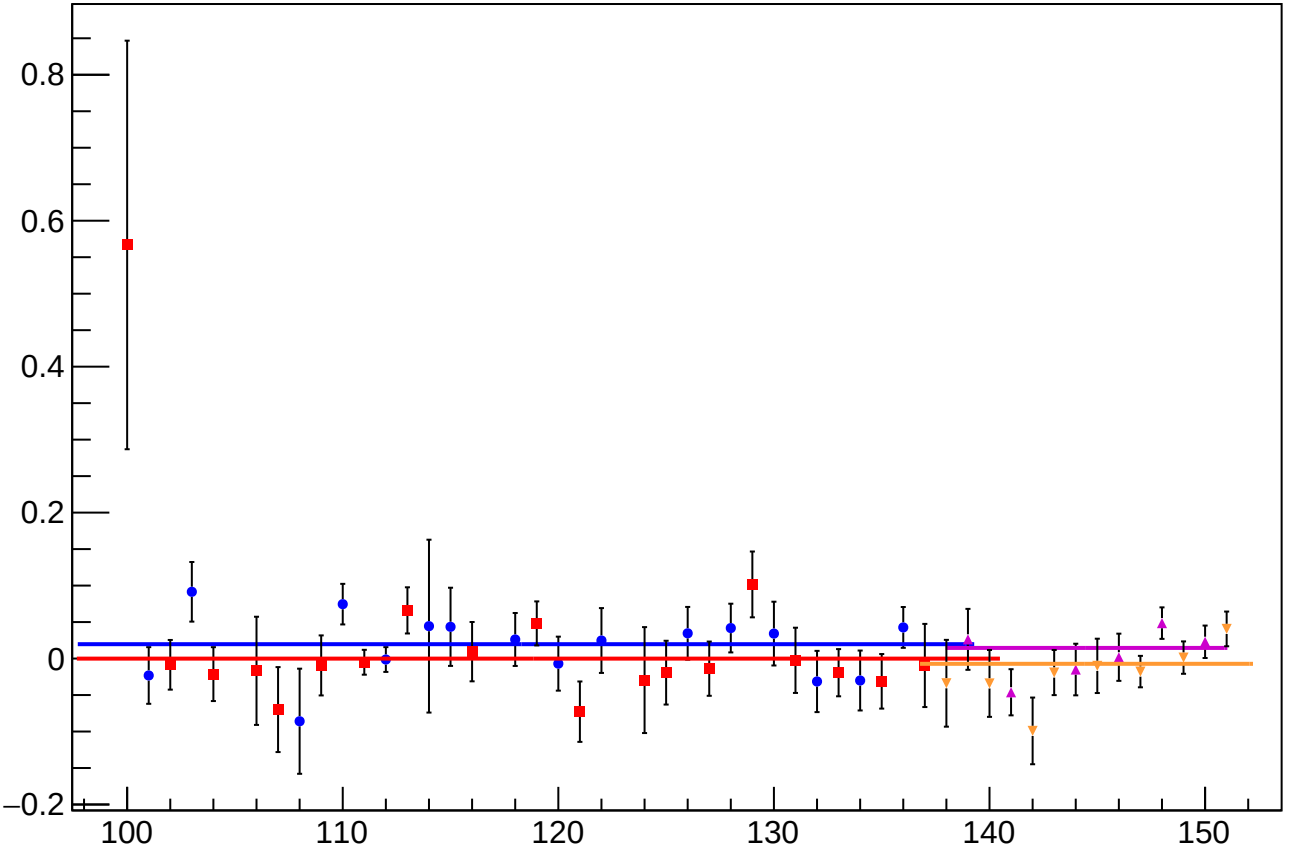
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.868+/-0.005 χ^2/NDF:2232205.6/21

Out: 22.699+/-0.005 χ^2/NDF:2388455.2/26

All: 22.779+/-0.003 χ^2/NDF: 4621283.7/48

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.015+/-0.012 χ^2/NDF:7.3/5

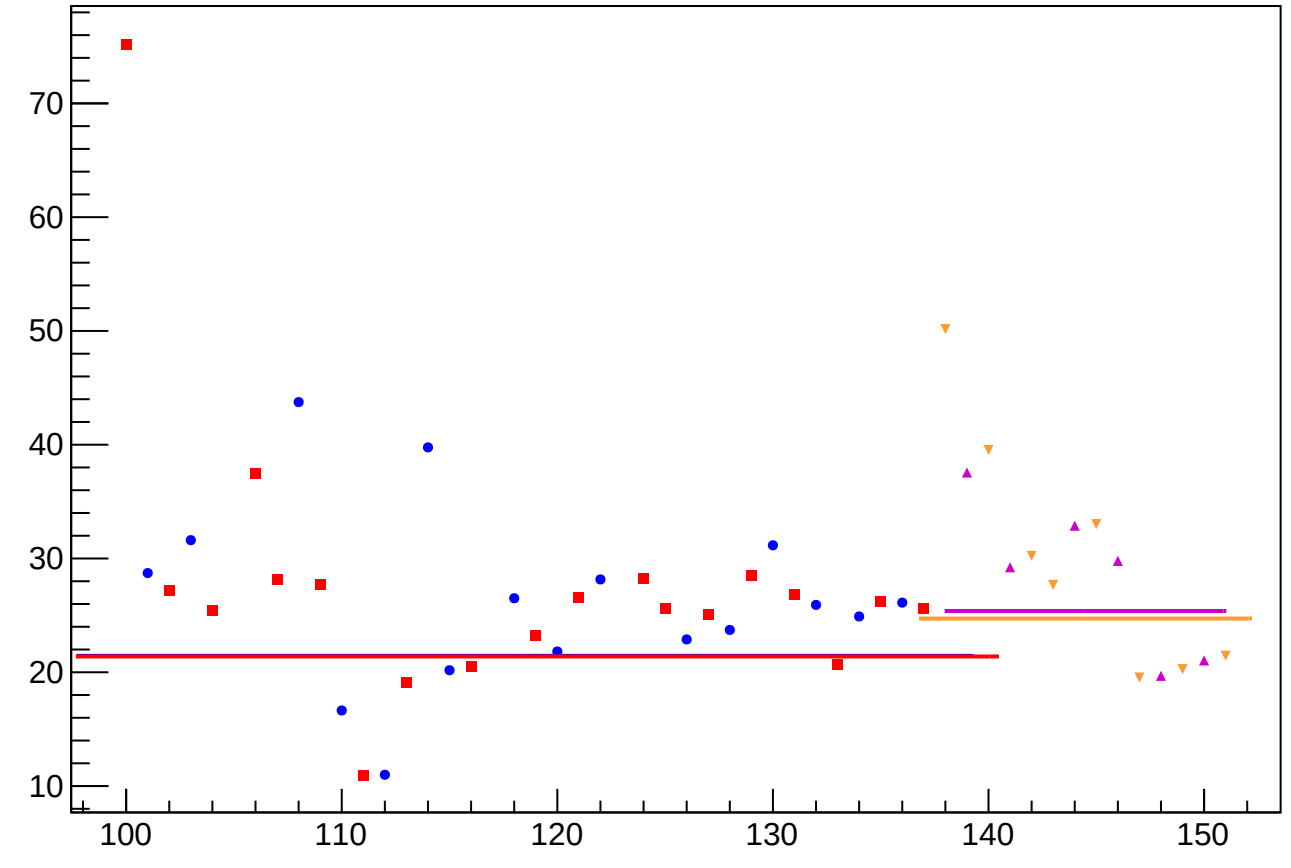
Left: 0.003+/-0.008 χ^2/NDF: 18.4/13

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/21

Out: -0.003+/-0.007 χ^2/NDF:32.3/26

All: 0.007+/-0.005 χ^2/NDF: 61.4/48



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.720+/-0.007 χ^2/NDF:955802.9/7

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.387+/-0.008 χ^2/NDF:542318.3/5

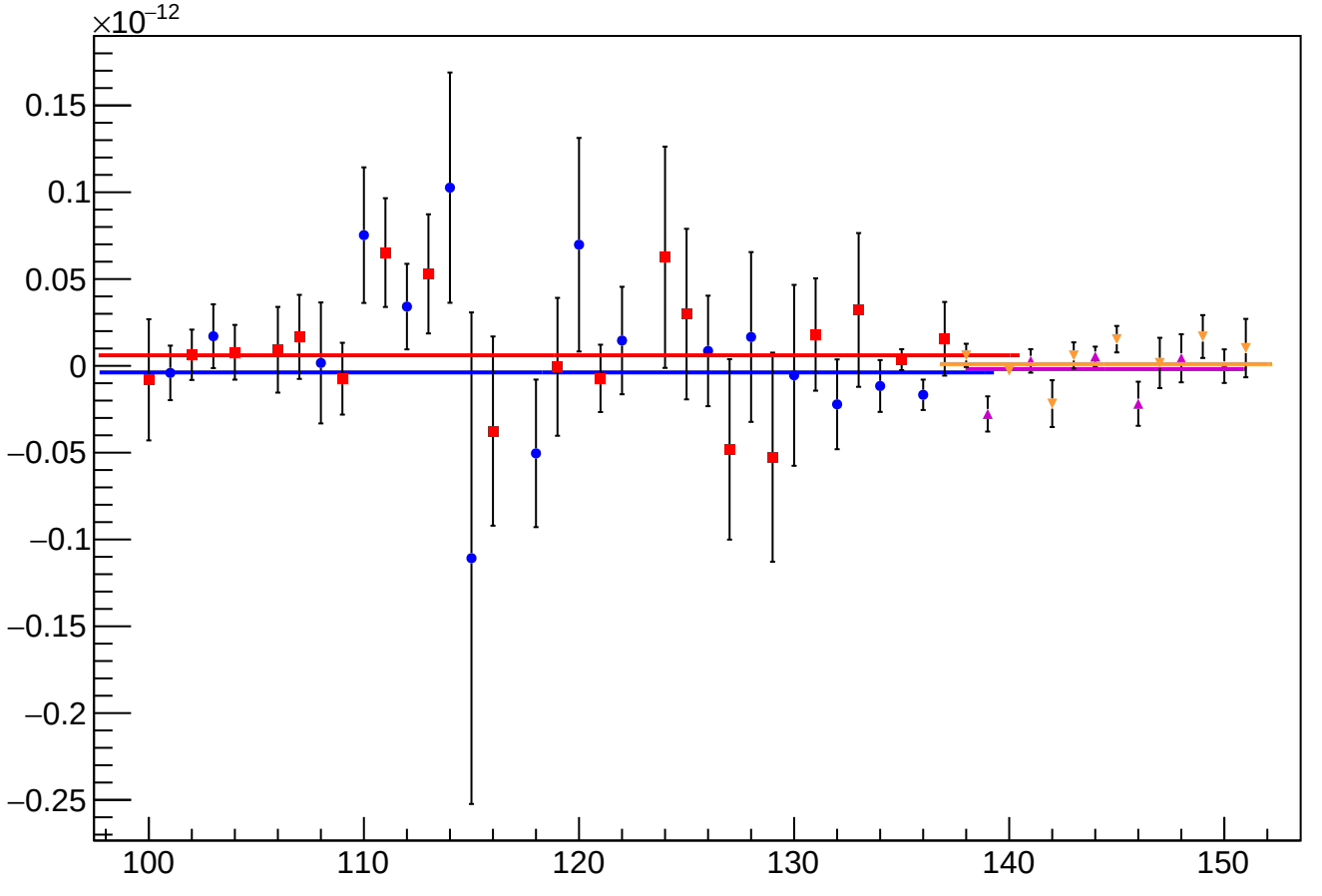
Left: 25.024+/-0.006 χ^2/NDF: 1501756.8/13

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.868+/-0.005 χ^2/NDF:2232205.6/21

Out: 22.699+/-0.005 χ^2/NDF:2388455.2/26

All: 22.779+/-0.003 χ^2/NDF: 4621283.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/5

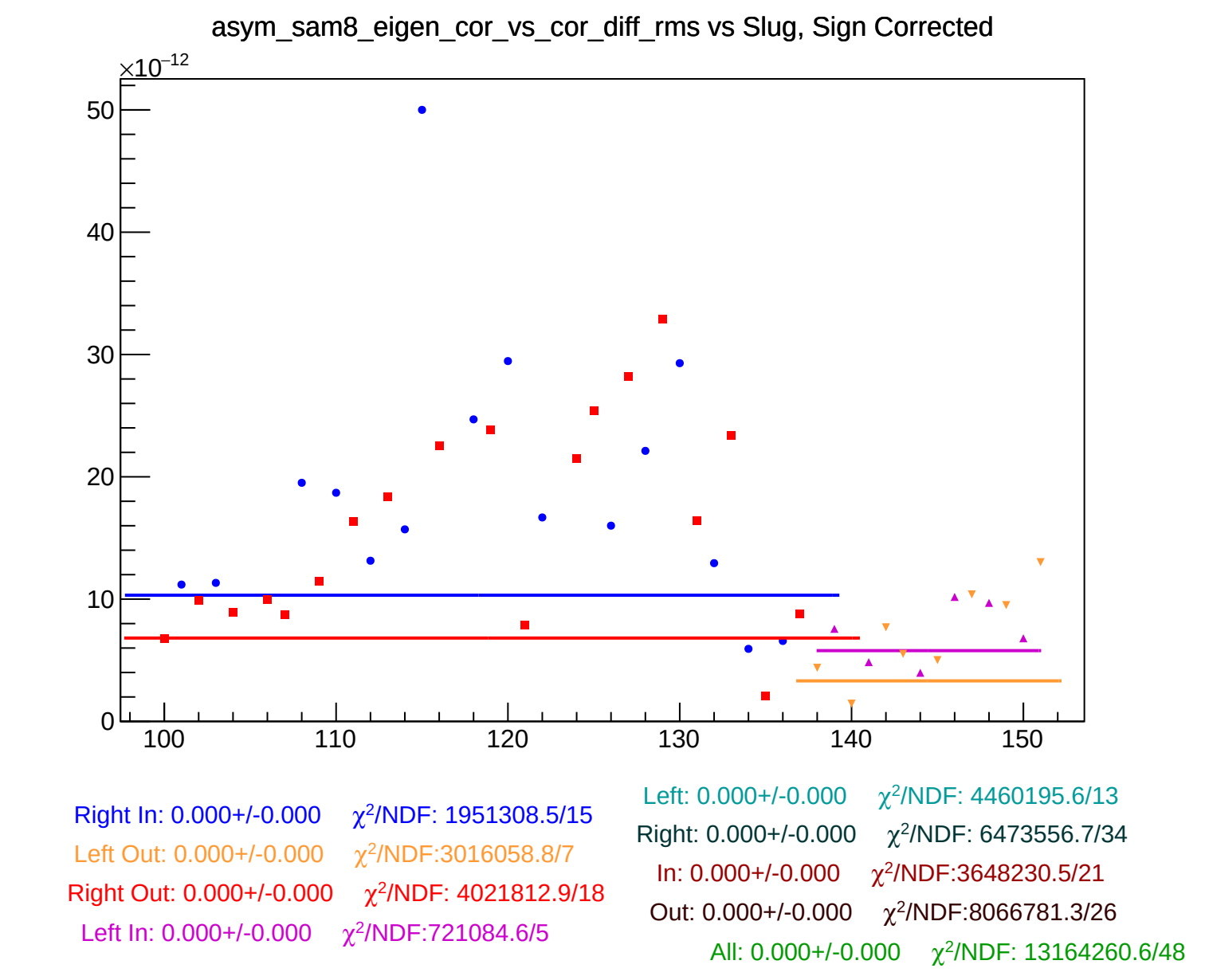
Left: 0.000+/-0.000 χ^2/NDF: 22.9/13

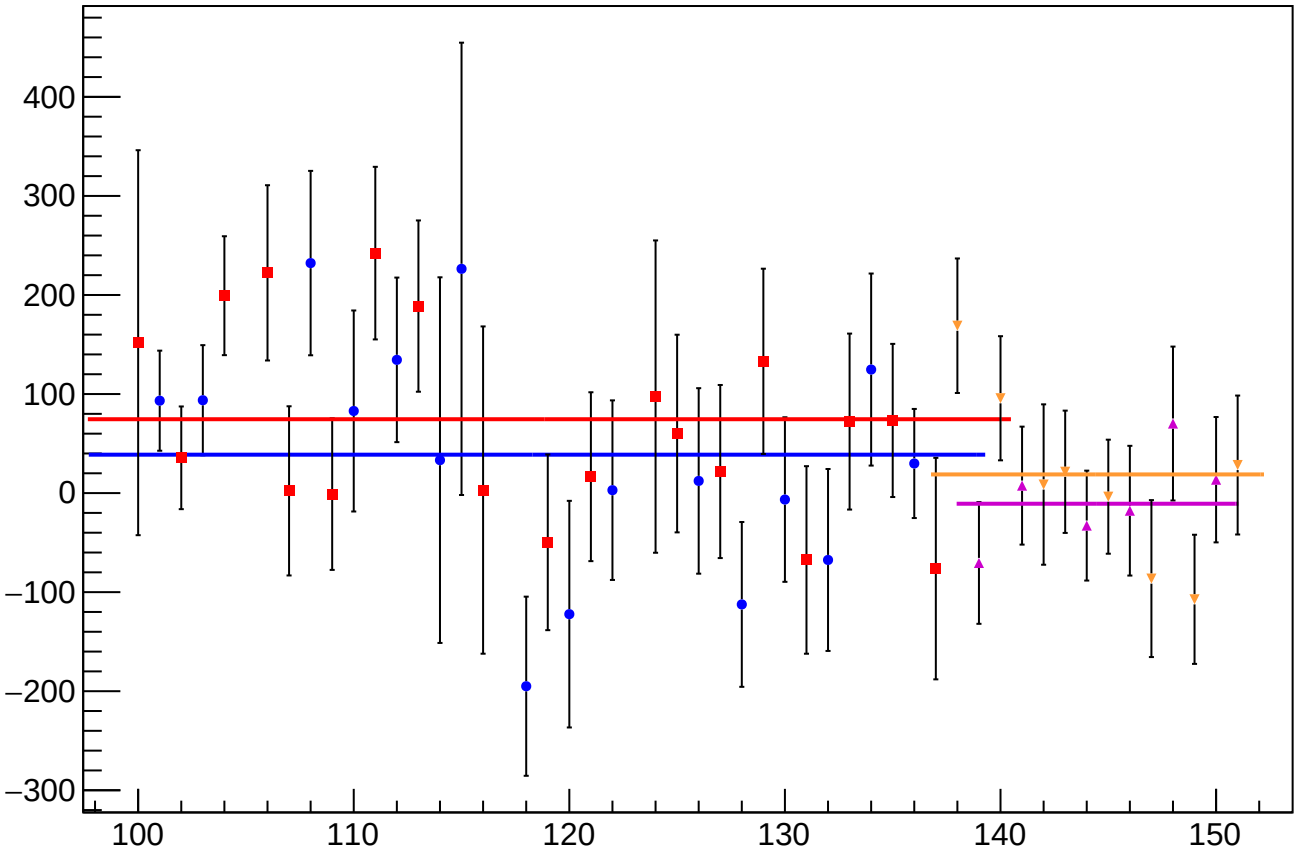
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:28.5/21

Out: 0.000+/-0.000 χ^2/NDF:23.4/26

All: 0.000+/-0.000 χ^2/NDF: 53.6/48


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3016058.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:721084.6/5
Left: 0.000+/-0.000 χ²/NDF: 4460195.6/13
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3648230.5/21
Out: 0.000+/-0.000 χ²/NDF:8066781.3/26
All: 0.000+/-0.000 χ²/NDF: 13164260.6/48



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 18.851+/-23.661 χ^2/NDF:12.1/7

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -10.743+/-25.648 χ^2/NDF:2.4/5

Left: 5.245+/-17.391 χ^2/NDF: 15.2/13

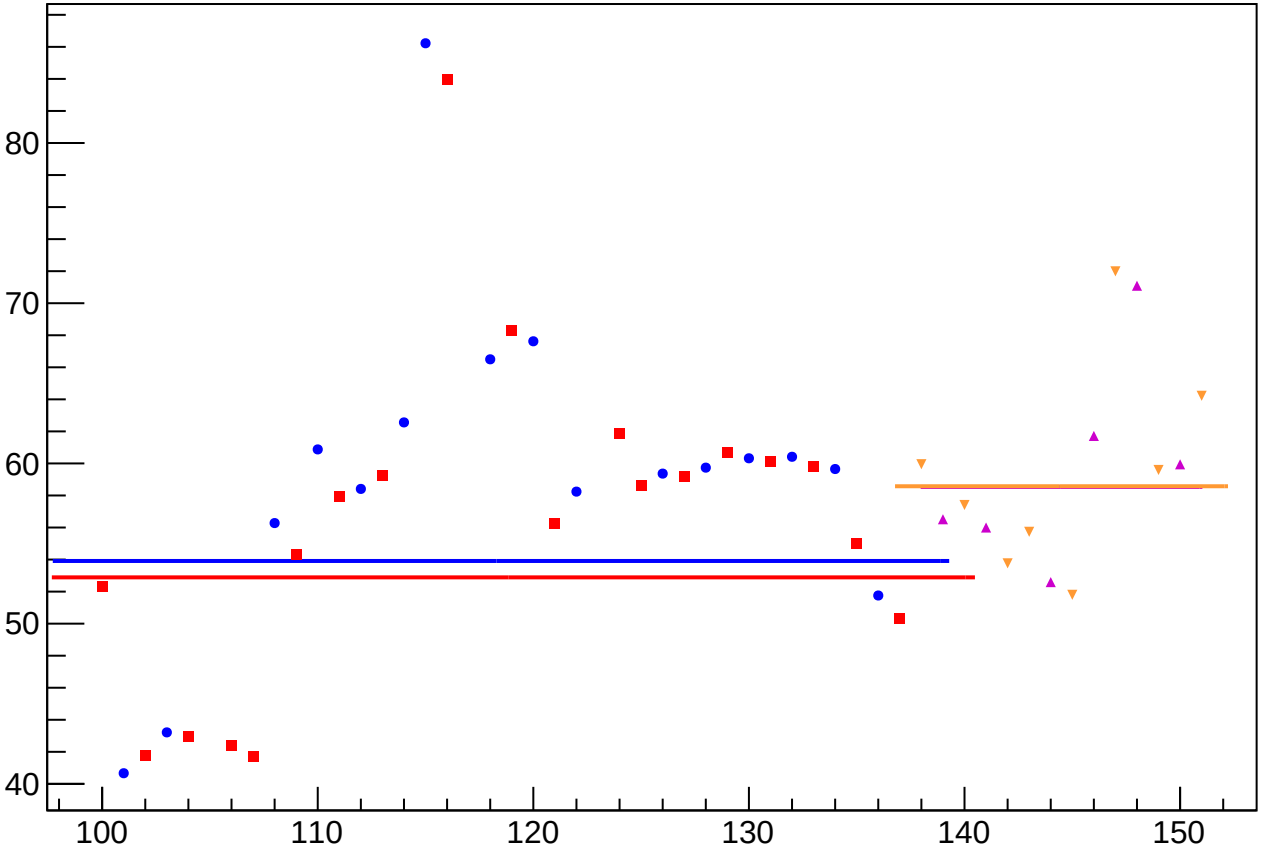
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 19.577+/-15.972 χ^2/NDF:28.0/21

Out: 51.624+/-15.185 χ^2/NDF:37.8/26

All: 36.409+/-11.005 χ^2/NDF: 67.9/48

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 58.576+/-0.017 χ^2/NDF:111309.9/7

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 58.532+/-0.018 χ^2/NDF:86677.6/5

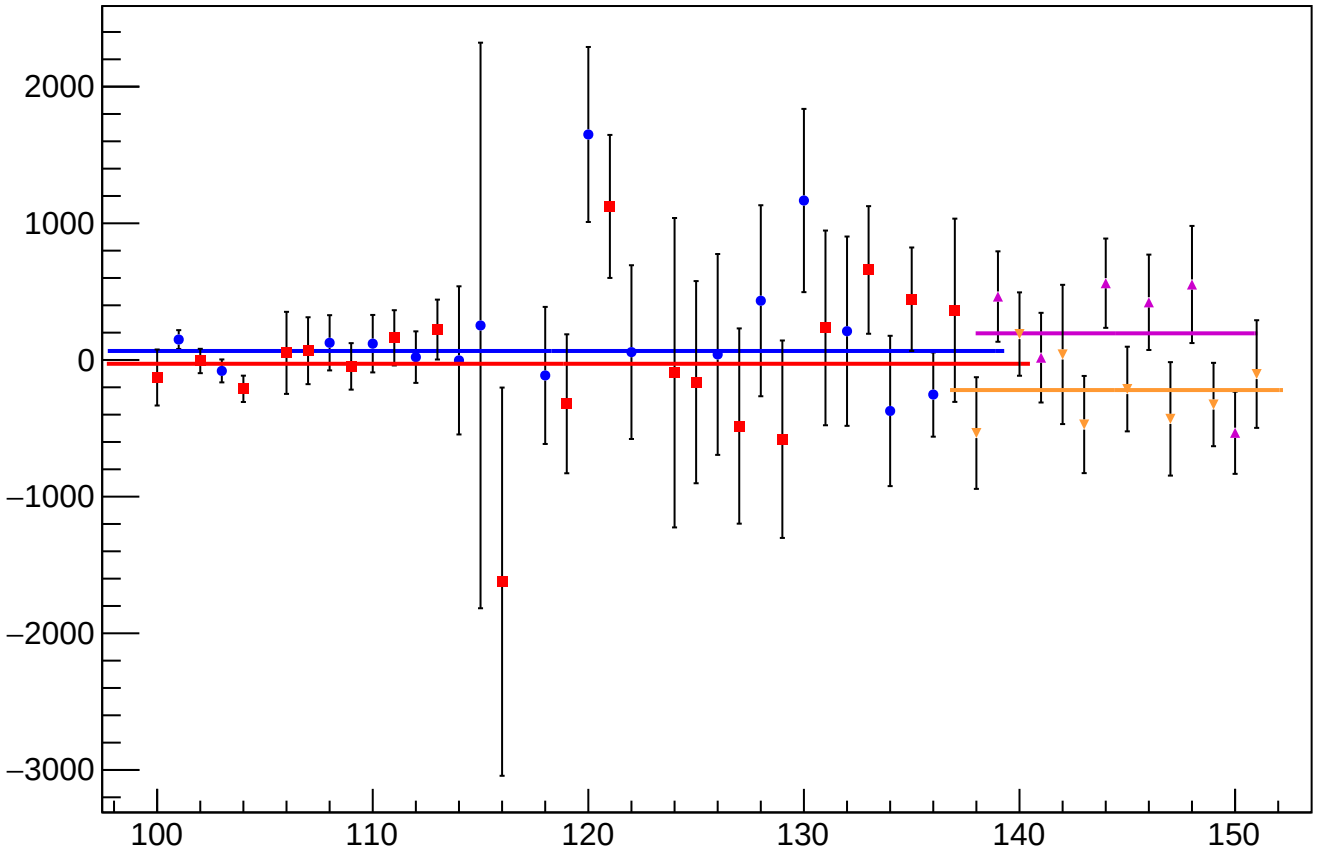
Left: 58.555+/-0.012 χ^2/NDF: 197990.6/13

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 55.704+/-0.011 χ^2/NDF:519660.4/21

Out: 55.231+/-0.011 χ^2/NDF:604475.9/26

All: 55.456+/-0.008 χ^2/NDF: 1125055.4/48



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -220.127+/-127.080 χ^2/NDF:3.6/7

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 194.975+/-137.985 χ^2/NDF:9.2/5

Left: -29.625+/-93.477 χ^2/NDF: 17.7/13

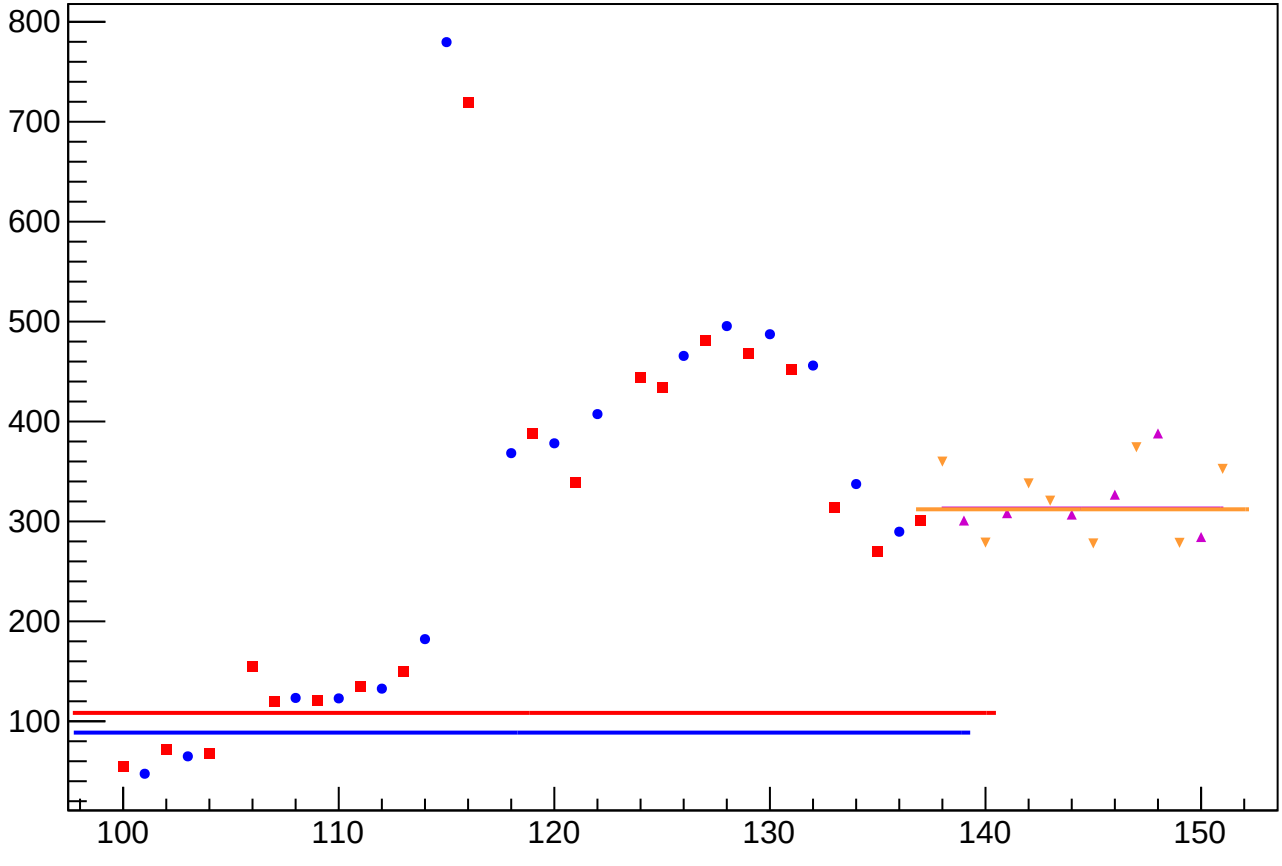
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 79.010+/-44.047 χ^2/NDF:25.7/21

Out: -53.886+/-46.763 χ^2/NDF:23.6/26

All: 16.533+/-32.063 χ^2/NDF: 53.6/48

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: 312.136+/-0.090 χ^2/NDF:171915.3/7

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 312.894+/-0.098 χ^2/NDF:86364.6/5

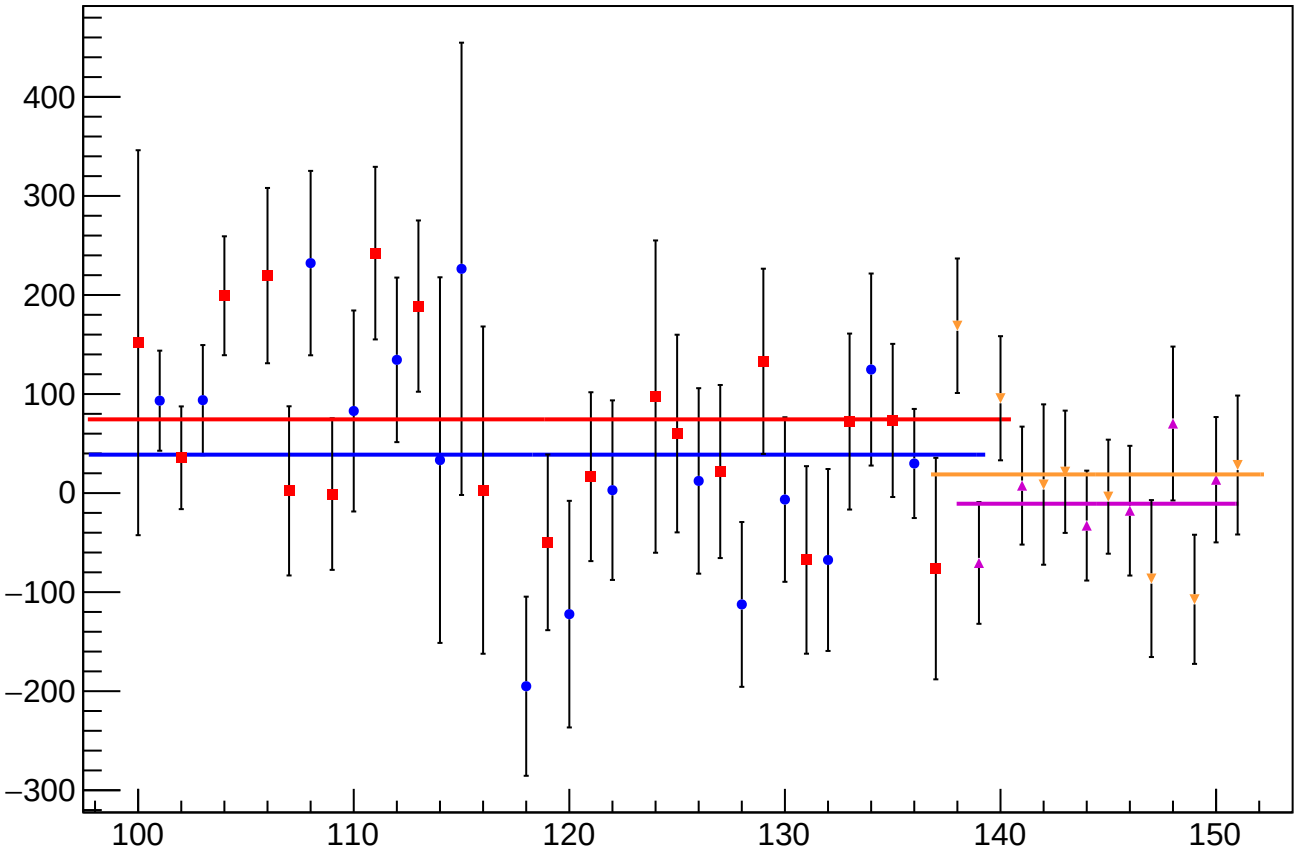
Left: 312.484+/-0.066 χ^2/NDF: 258312.5/13

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 111.507+/-0.031 χ^2/NDF:11477966.8/21

Out: 135.975+/-0.033 χ^2/NDF:9979908.6/26

All: 123.010+/-0.023 χ^2/NDF: 21748006.0/48



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 18.854+/-23.661 χ^2/NDF:12.1/7

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -10.743+/-25.648 χ^2/NDF:2.4/5

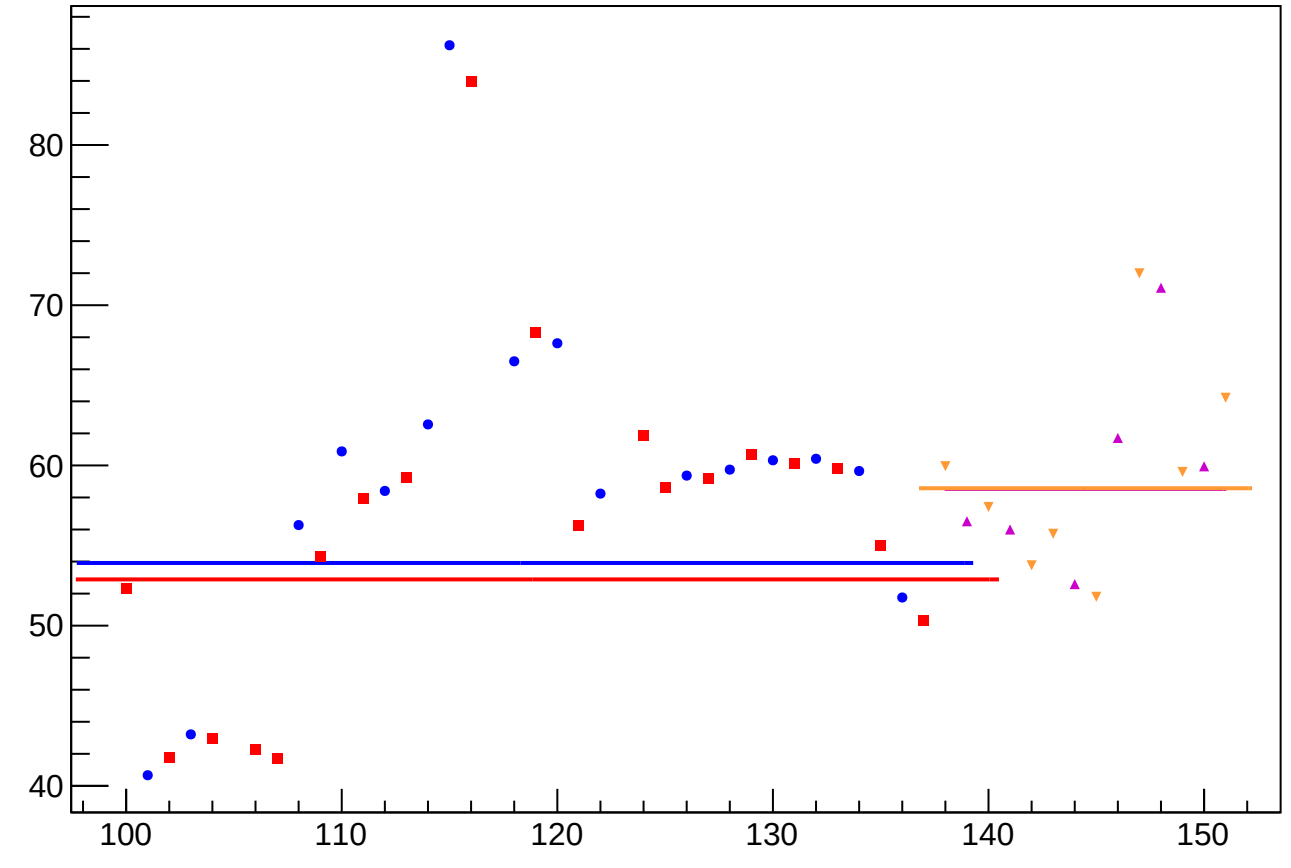
Left: 5.247+/-17.391 χ^2/NDF: 15.2/13

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 19.584+/-15.972 χ^2/NDF:28.0/21

Out: 51.543+/-15.186 χ^2/NDF:37.7/26

All: 36.369+/-11.006 χ^2/NDF: 67.8/48



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.576+/-0.017 χ^2/NDF:111309.9/7

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 58.532+/-0.018 χ^2/NDF:86677.6/5

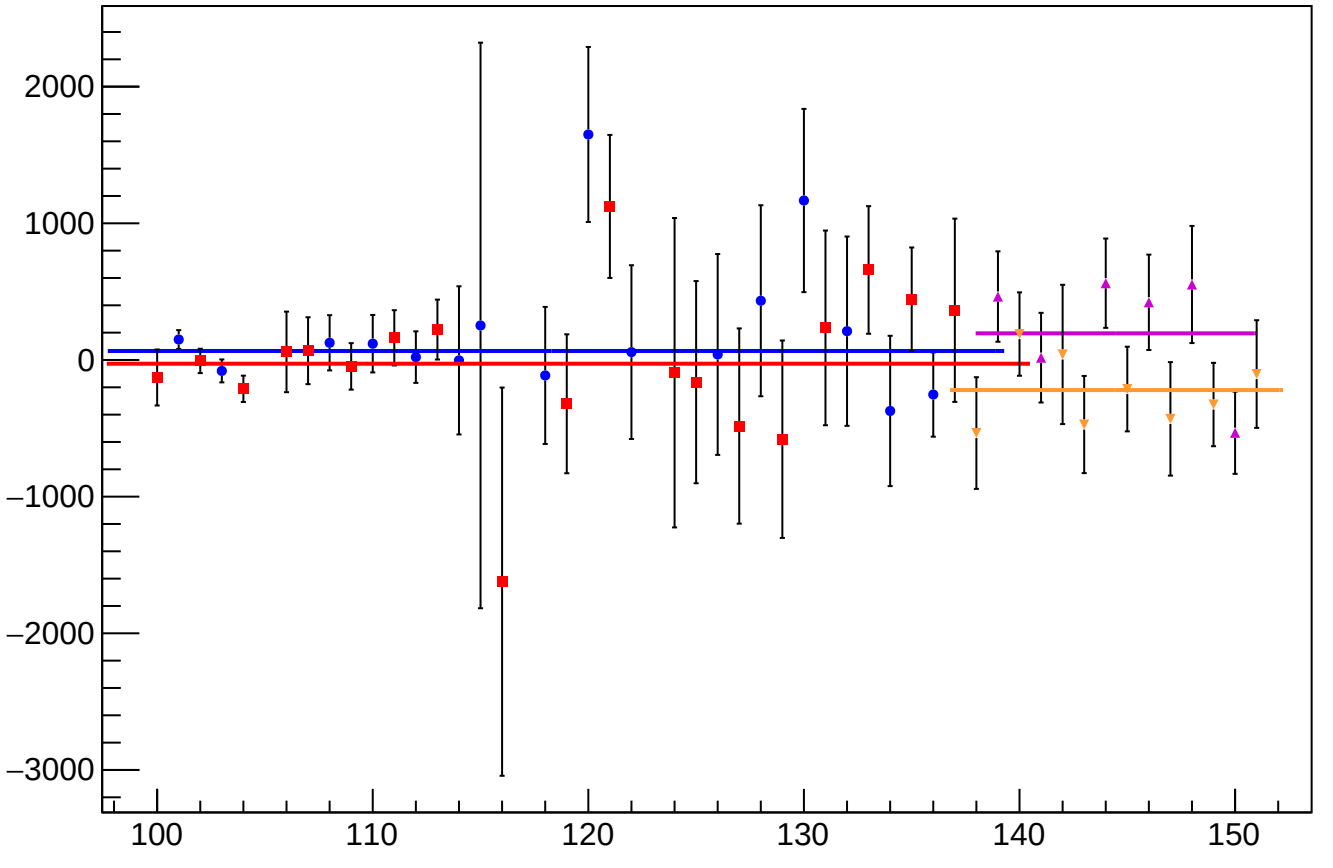
Left: 58.555+/-0.012 χ^2/NDF: 197990.6/13

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 55.704+/-0.011 χ^2/NDF:519659.7/21

Out: 55.230+/-0.011 χ^2/NDF:604833.1/26

All: 55.455+/-0.008 χ^2/NDF: 1125416.2/48



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -220.127+/-127.080 χ^2/NDF:3.6/7

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 194.972+/-137.985 χ^2/NDF:9.2/5

Left: -29.626+/-93.477 χ^2/NDF: 17.7/13

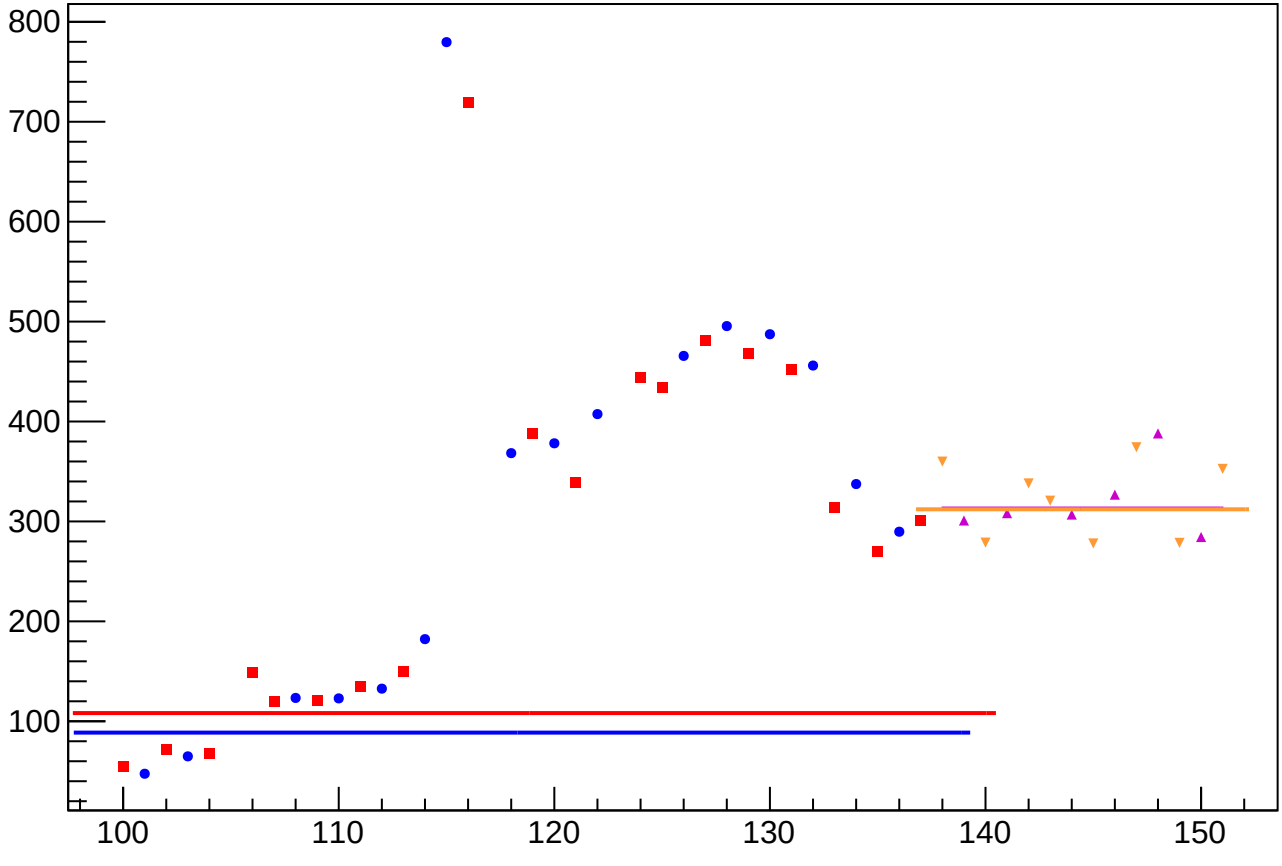
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 79.013+/-44.046 χ^2/NDF:25.7/21

Out: -53.463+/-46.728 χ^2/NDF:23.6/26

All: 16.686+/-32.052 χ^2/NDF: 53.6/48

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: 312.136+/-0.090 χ^2/NDF:171914.8/7

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 312.894+/-0.098 χ^2/NDF:86366.2/5

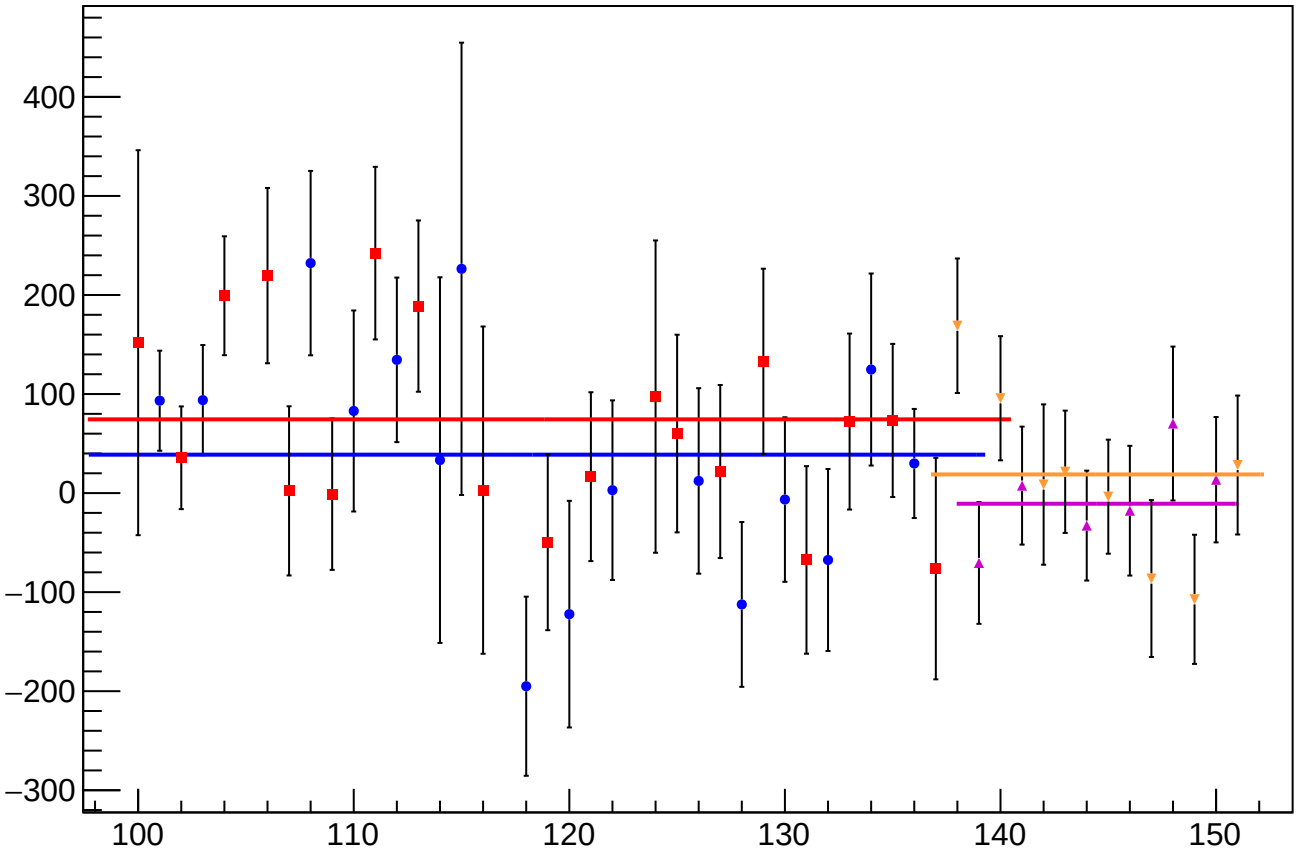
Left: 312.484+/-0.066 χ^2/NDF: 258313.6/13

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 111.504+/-0.031 χ^2/NDF:11478171.8/21

Out: 135.780+/-0.033 χ^2/NDF:9980752.0/26

All: 122.925+/-0.023 χ^2/NDF: 21744751.1/48



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 18.854+/-23.661 χ^2/NDF:12.1/7

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -10.743+/-25.648 χ^2/NDF:2.4/5

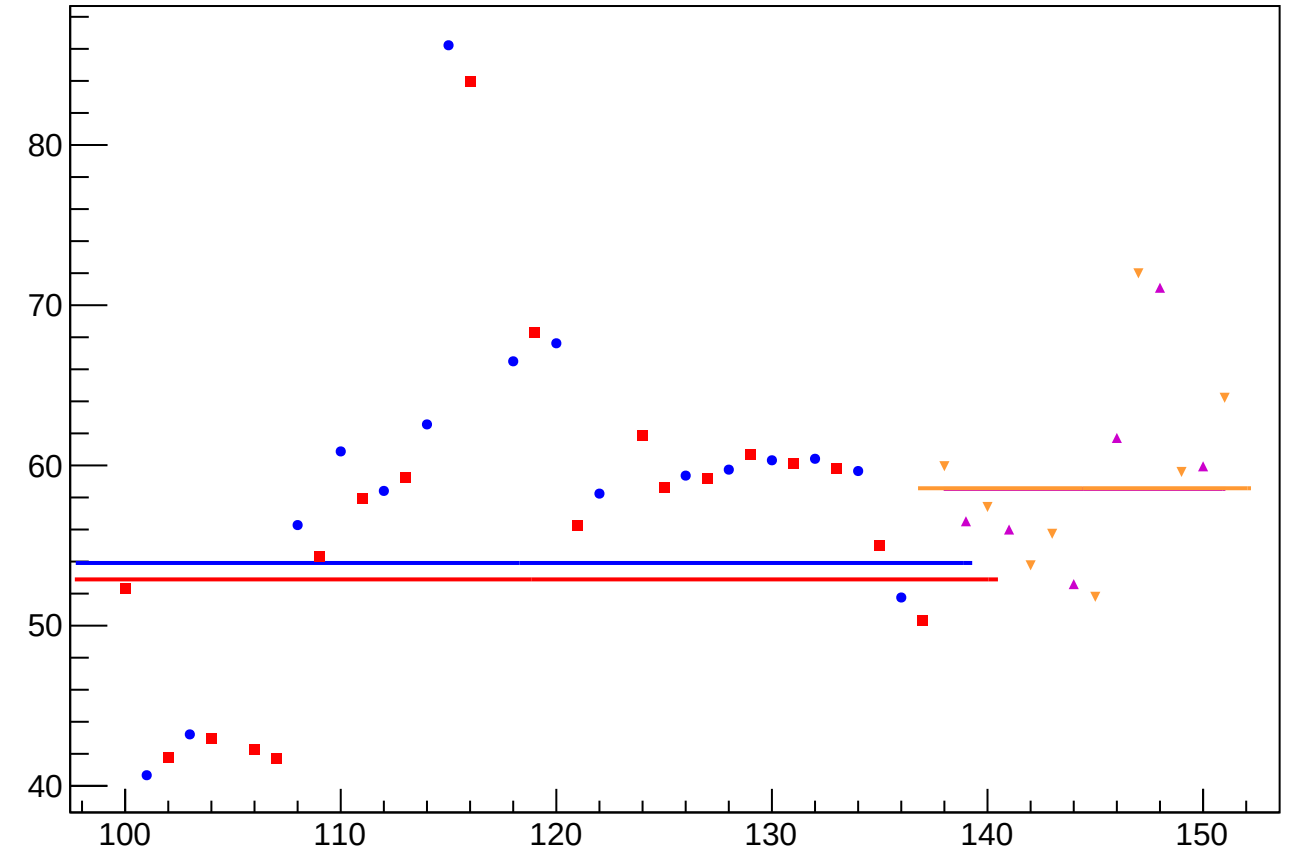
Left: 5.247+/-17.391 χ^2/NDF: 15.2/13

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 19.584+/-15.972 χ^2/NDF:28.0/21

Out: 51.543+/-15.186 χ^2/NDF:37.7/26

All: 36.369+/-11.006 χ^2/NDF: 67.8/48



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.576+/-0.017 χ^2/NDF:111309.9/7

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 58.532+/-0.018 χ^2/NDF:86677.6/5

Left: 58.555+/-0.012 χ^2/NDF: 197990.6/13

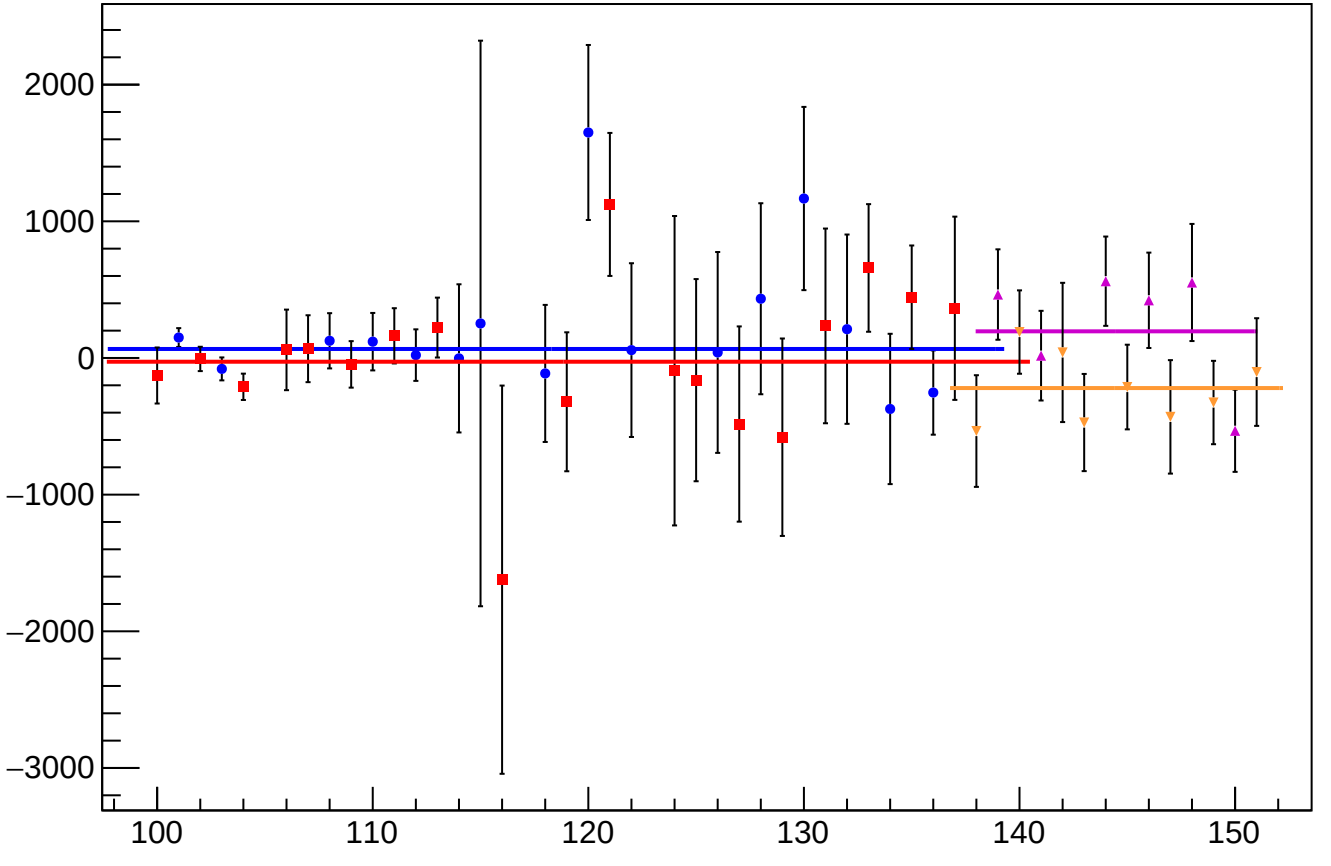
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 55.704+/-0.011 χ^2/NDF:519659.7/21

Out: 55.230+/-0.011 χ^2/NDF:604833.1/26

All: 55.455+/-0.008 χ^2/NDF: 1125416.2/48

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: -220.127+/-127.080 χ^2/NDF:3.6/7

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 194.972+/-137.985 χ^2/NDF:9.2/5

Left: -29.626+/-93.477 χ^2/NDF: 17.7/13

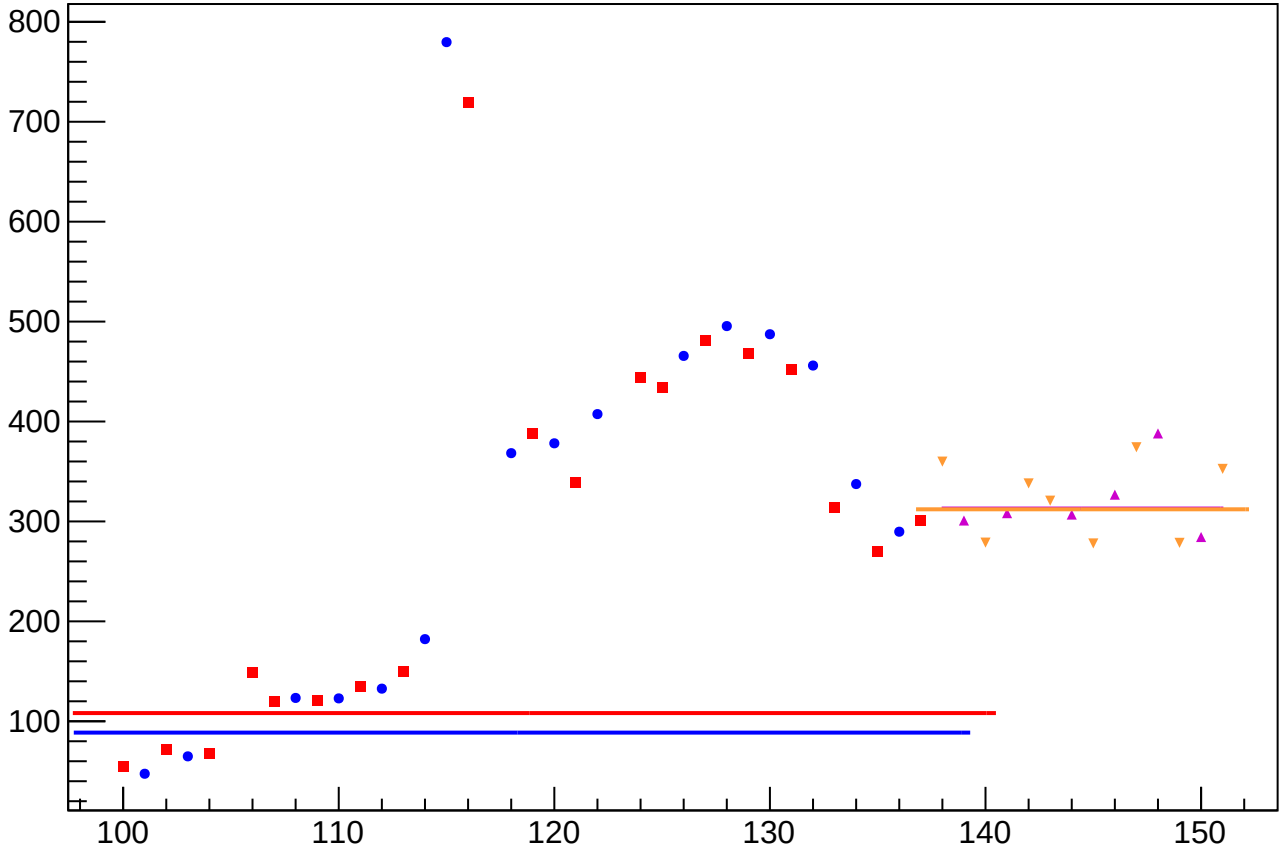
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 79.013+/-44.046 χ^2/NDF:25.7/21

Out: -53.463+/-46.728 χ^2/NDF:23.6/26

All: 16.686+/-32.052 χ^2/NDF: 53.6/48

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: 312.136+/-0.090 χ^2/NDF:171914.8/7

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 312.894+/-0.098 χ^2/NDF:86366.2/5

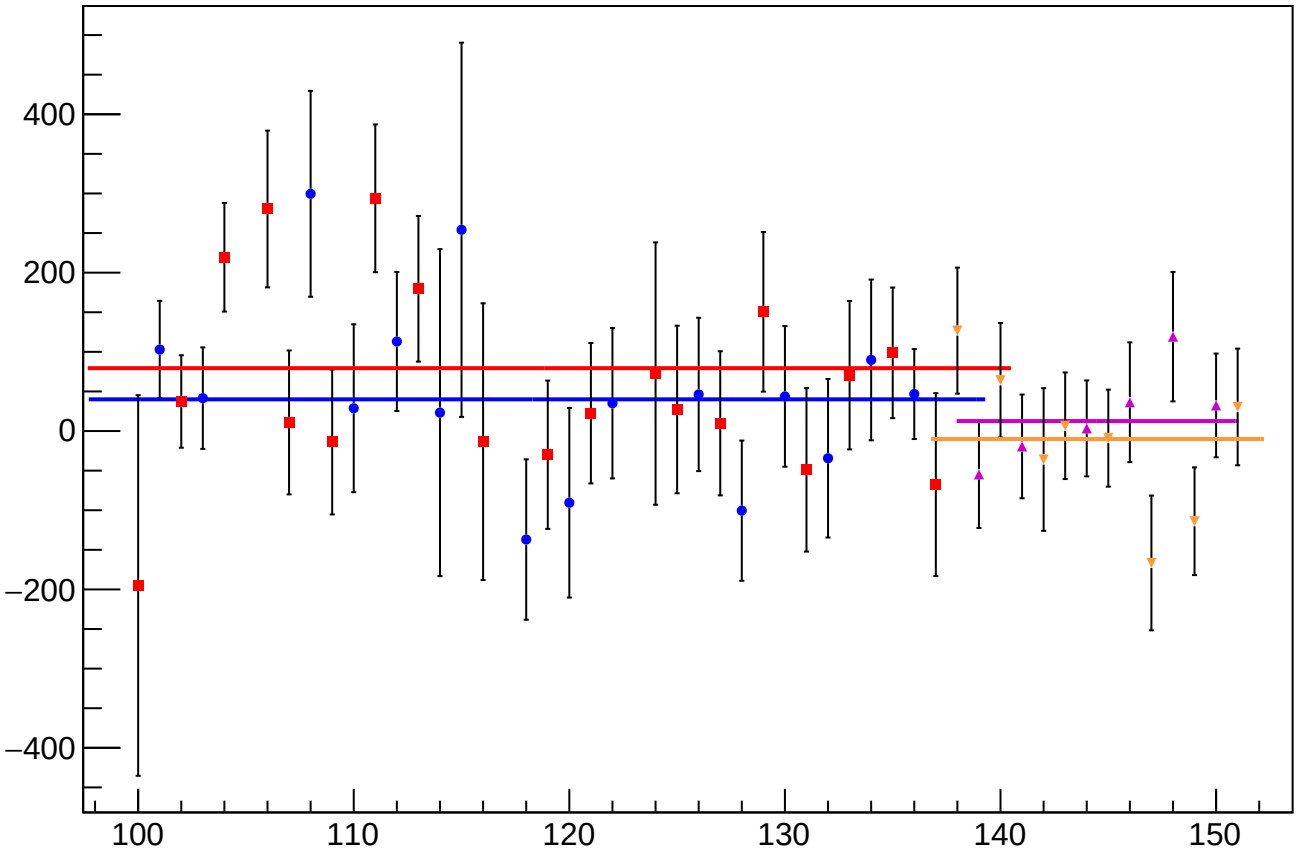
Left: 312.484+/-0.066 χ^2/NDF: 258313.6/13

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 111.504+/-0.031 χ^2/NDF:11478171.8/21

Out: 135.780+/-0.033 χ^2/NDF:9980752.0/26

All: 122.925+/-0.023 χ^2/NDF: 21744751.1/48



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -10.064+/-25.835 χ^2/NDF:10.2/7

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 12.603+/-27.929 χ^2/NDF:3.1/5

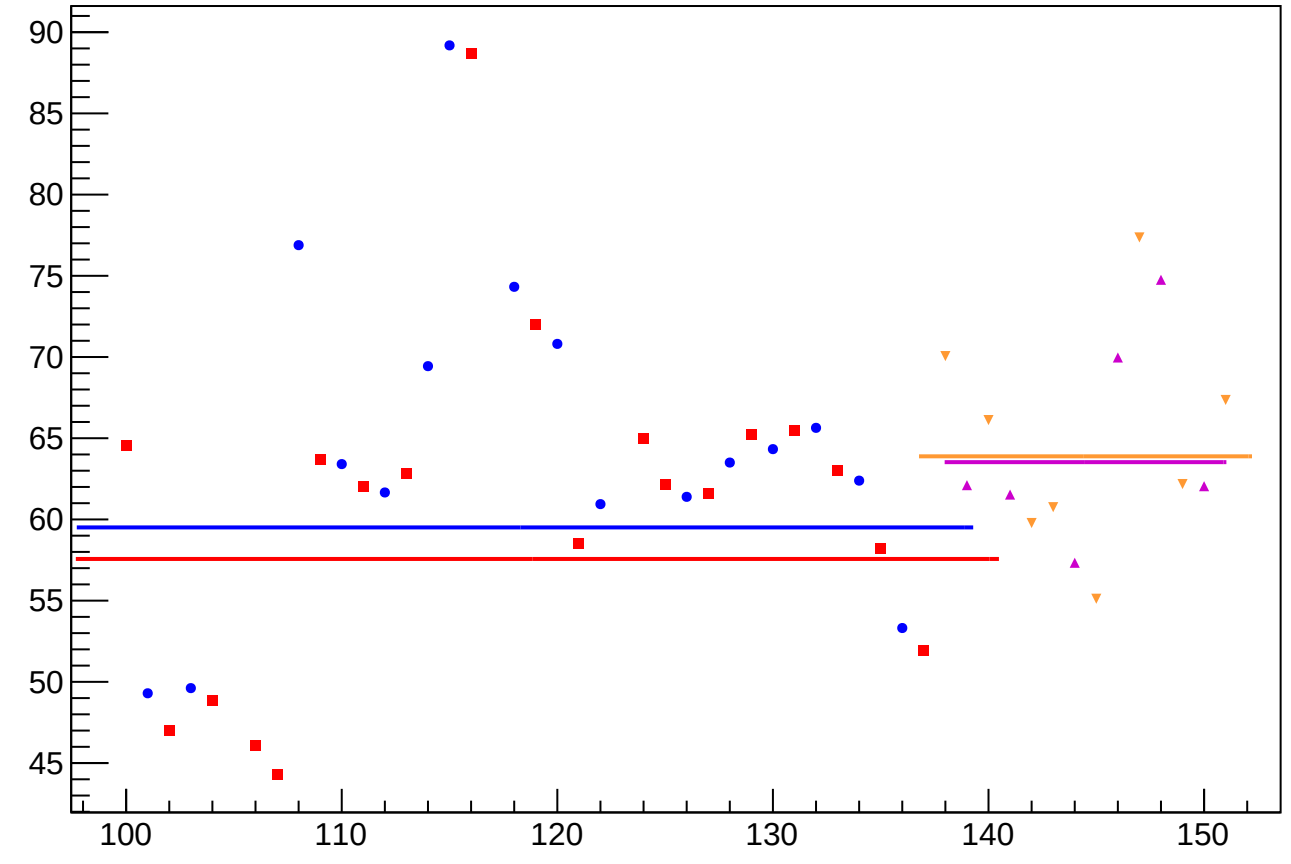
Left: 0.388+/-18.965 χ^2/NDF: 13.7/13

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 29.227+/-17.528 χ^2/NDF:17.9/21

Out: 42.626+/-16.561 χ^2/NDF:42.0/26

All: 36.306+/-12.038 χ^2/NDF: 60.2/48



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 63.885+/-0.018 χ^2/NDF:119264.5/7

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 63.527+/-0.020 χ^2/NDF:76941.9/5

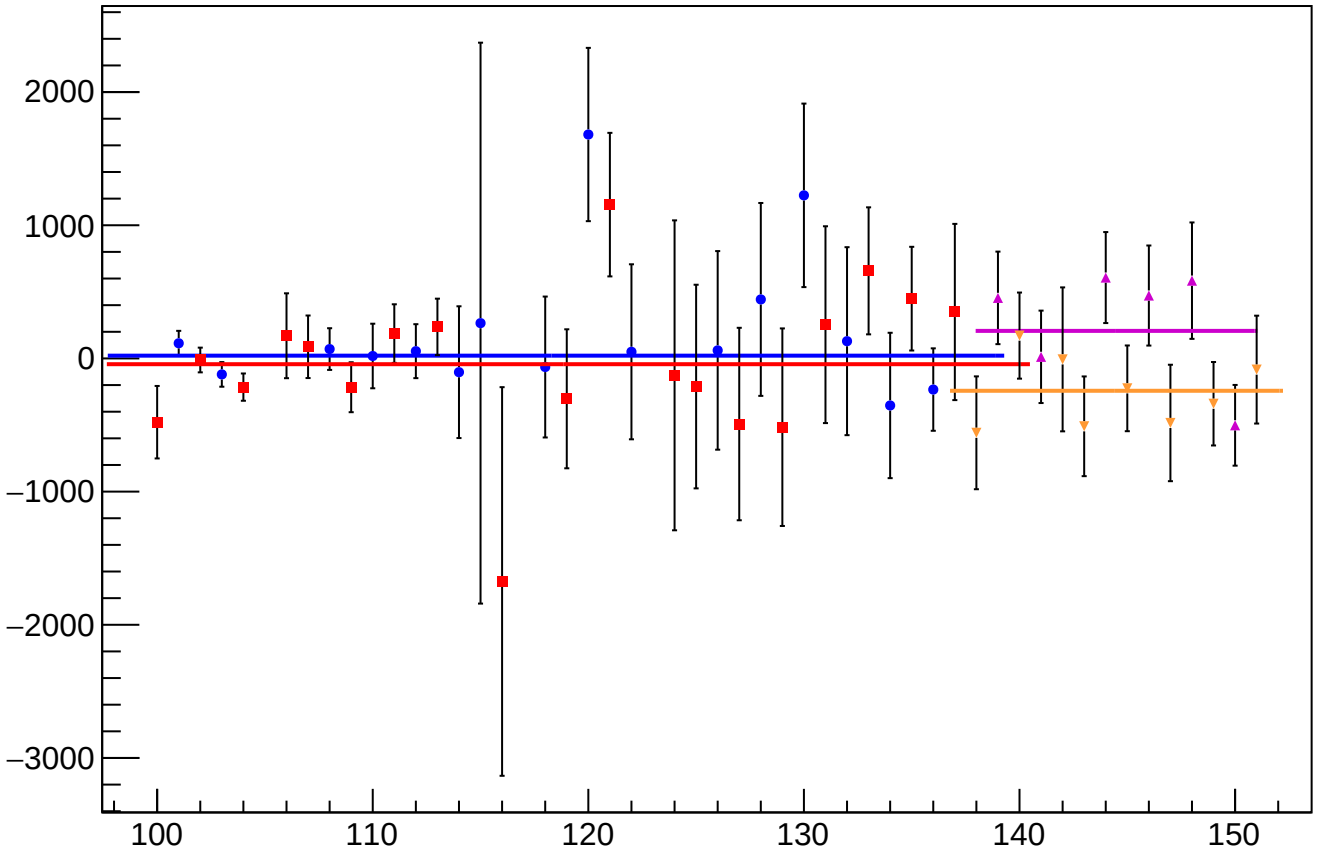
Left: 63.720+/-0.013 χ^2/NDF: 196384.1/13

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 61.091+/-0.012 χ^2/NDF:385225.0/21

Out: 60.163+/-0.012 χ^2/NDF:537117.8/26

All: 60.601+/-0.009 χ^2/NDF: 925306.1/48



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.867+/-132.610 χ^2/NDF:3.5/7

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 206.871+/-143.792 χ^2/NDF:8.9/5

Left: -36.162+/-97.483 χ^2/NDF: 17.7/13

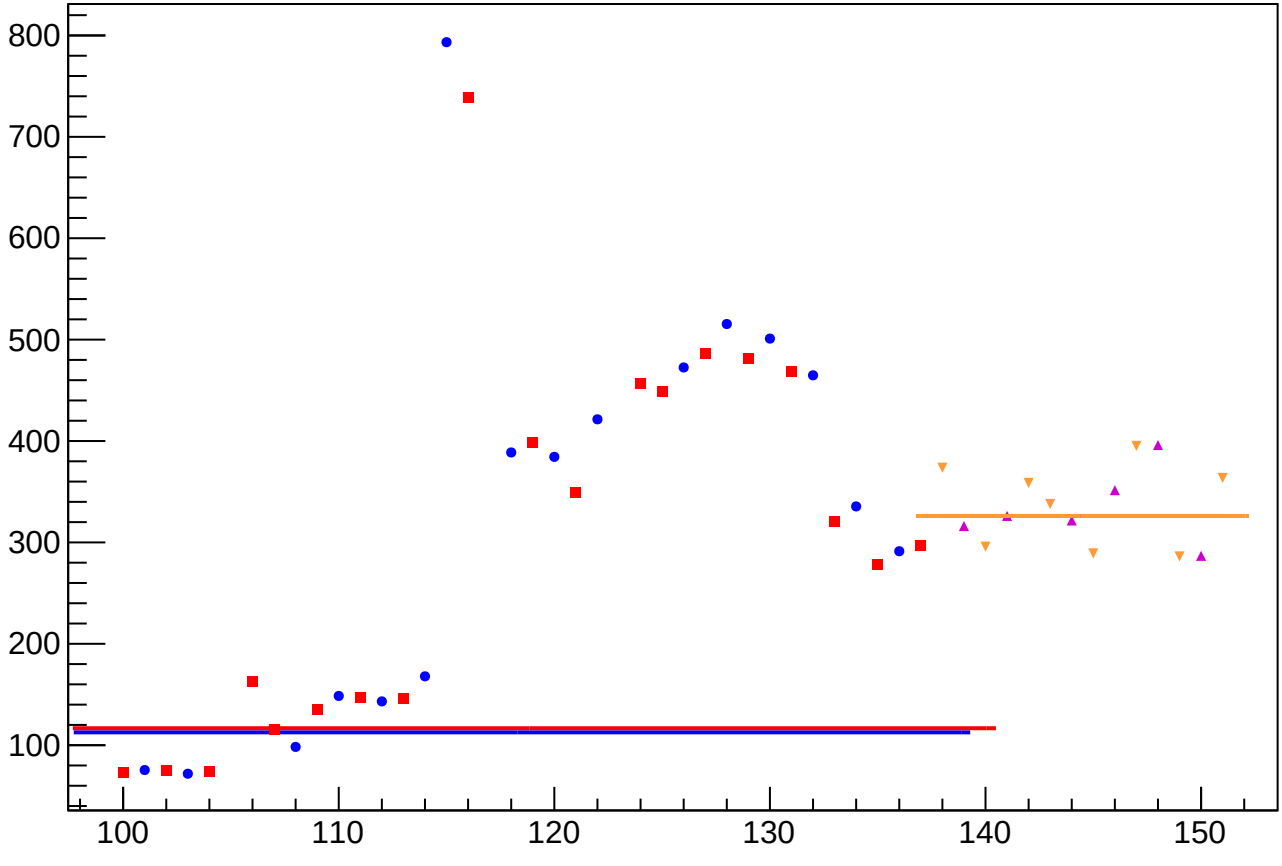
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.525+/-50.212 χ^2/NDF:25.0/21

Out: -70.942+/-49.383 χ^2/NDF:26.9/26

All: -14.661+/-35.209 χ^2/NDF: 54.6/48

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: 326.067+/-0.094 χ^2/NDF:177894.7/7

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 326.077+/-0.102 χ^2/NDF:96007.9/5

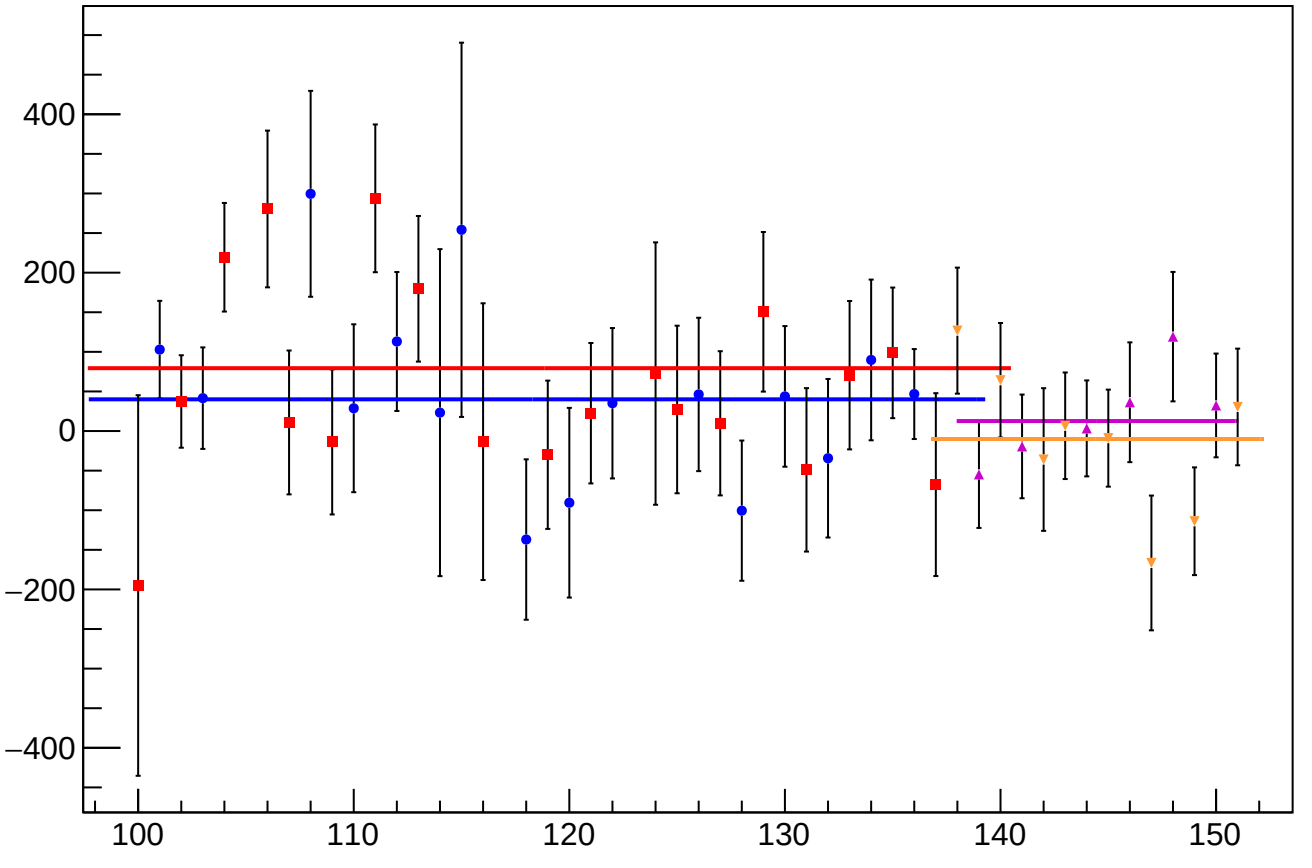
Left: 326.071+/-0.069 χ^2/NDF: 273902.6/13

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 138.691+/-0.036 χ^2/NDF:9563882.7/21

Out: 145.762+/-0.035 χ^2/NDF:9611899.4/26

All: 142.286+/-0.025 χ^2/NDF: 19195944.5/48



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -10.064+/-25.835 χ^2/NDF:10.2/7

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 12.603+/-27.929 χ^2/NDF:3.1/5

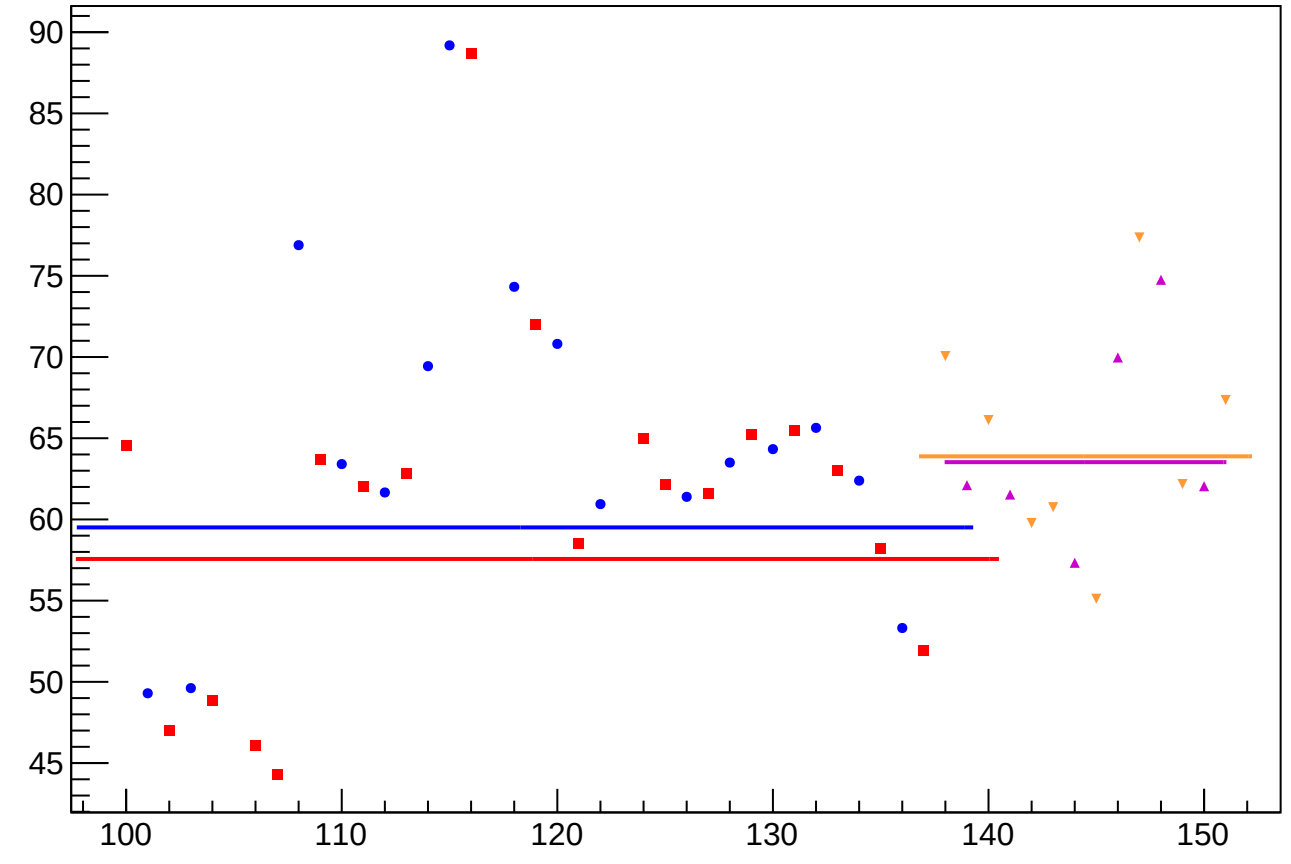
Left: 0.388+/-18.965 χ^2/NDF: 13.7/13

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 29.227+/-17.528 χ^2/NDF:17.9/21

Out: 42.626+/-16.561 χ^2/NDF:42.0/26

All: 36.306+/-12.038 χ^2/NDF: 60.2/48



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 63.886+/-0.018 χ^2/NDF:119268.0/7

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 63.527+/-0.020 χ^2/NDF:76942.2/5

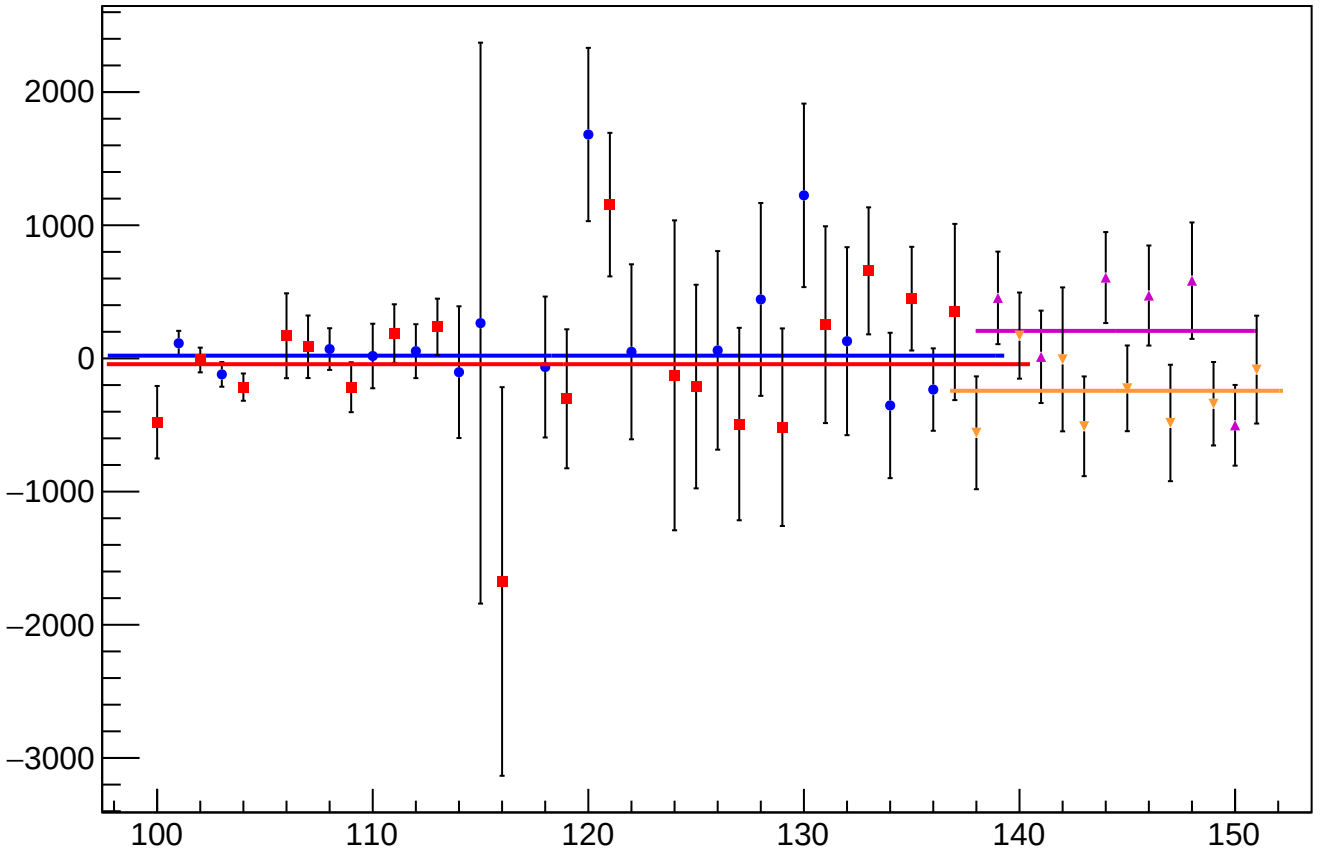
Left: 63.720+/-0.013 χ^2/NDF: 196387.8/13

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 61.091+/-0.012 χ^2/NDF:385227.4/21

Out: 60.163+/-0.012 χ^2/NDF:537123.2/26

All: 60.601+/-0.009 χ^2/NDF: 925313.9/48



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -242.867+/-132.611 χ^2/NDF:3.5/7

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 206.871+/-143.792 χ^2/NDF:8.9/5

Left: -36.161+/-97.484 χ^2/NDF: 17.7/13

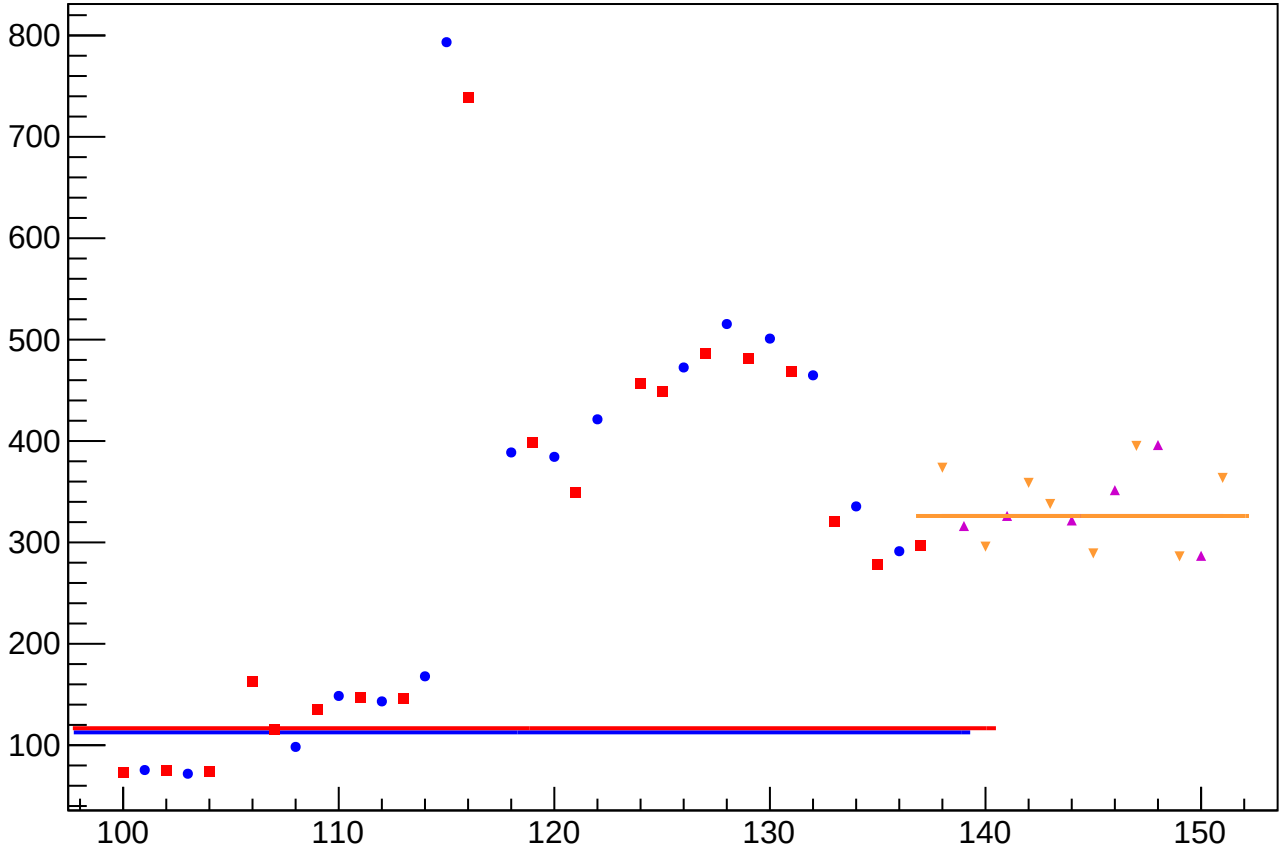
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.524+/-50.212 χ^2/NDF:25.0/21

Out: -70.942+/-49.383 χ^2/NDF:26.9/26

All: -14.661+/-35.208 χ^2/NDF: 54.6/48

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: 326.068+/-0.094 χ^2/NDF:177895.1/7

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 326.078+/-0.102 χ^2/NDF:96008.1/5

Left: 326.073+/-0.069 χ^2/NDF: 273903.1/13

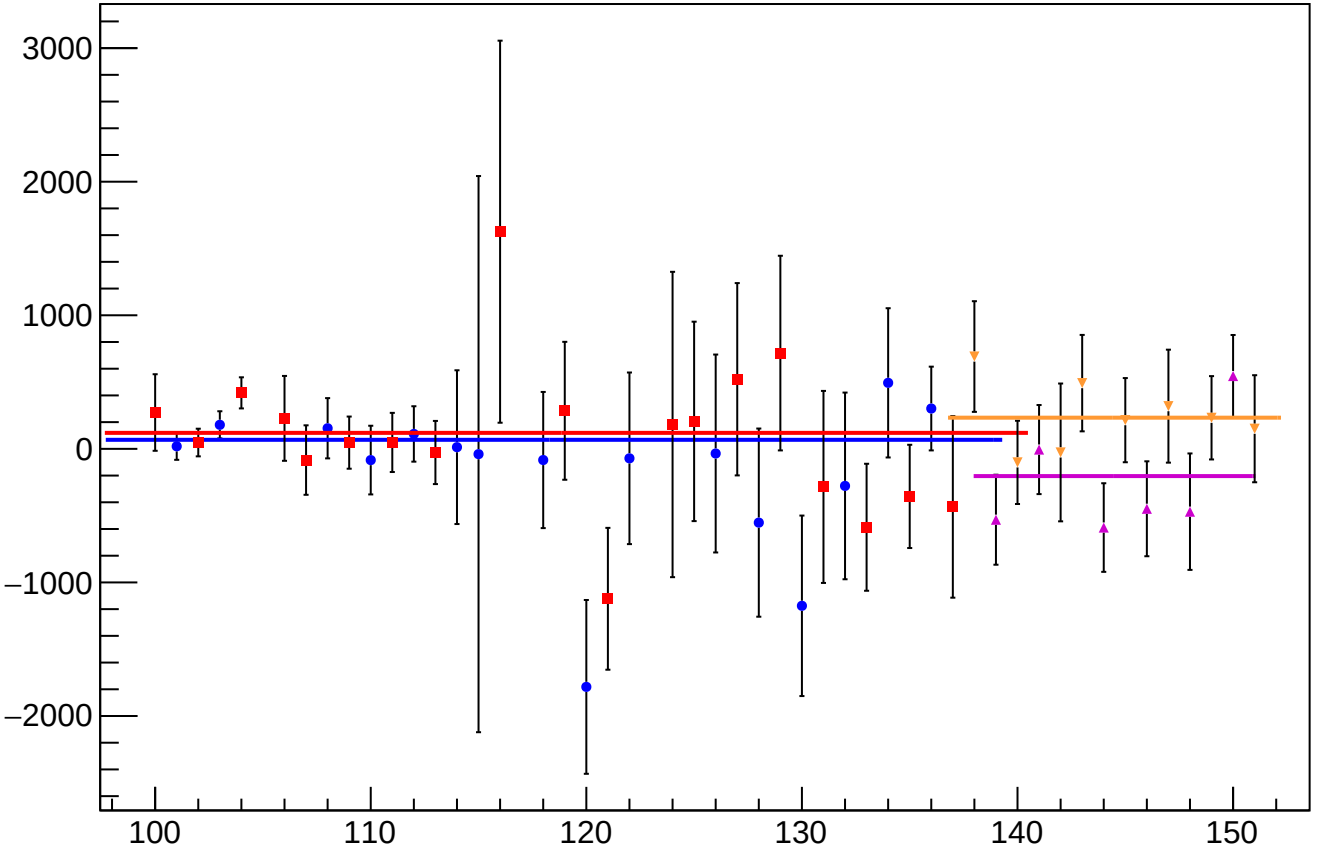
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 138.691+/-0.036 χ^2/NDF:9563908.5/21

Out: 145.762+/-0.035 χ^2/NDF:9611937.3/26

All: 142.285+/-0.025 χ^2/NDF: 19196007.5/48

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 233.415+/-129.400 χ^2/NDF:3.2/7

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -203.881+/-140.486 χ^2/NDF:9.4/5

Left: 32.698+/-95.178 χ^2/NDF: 17.9/13

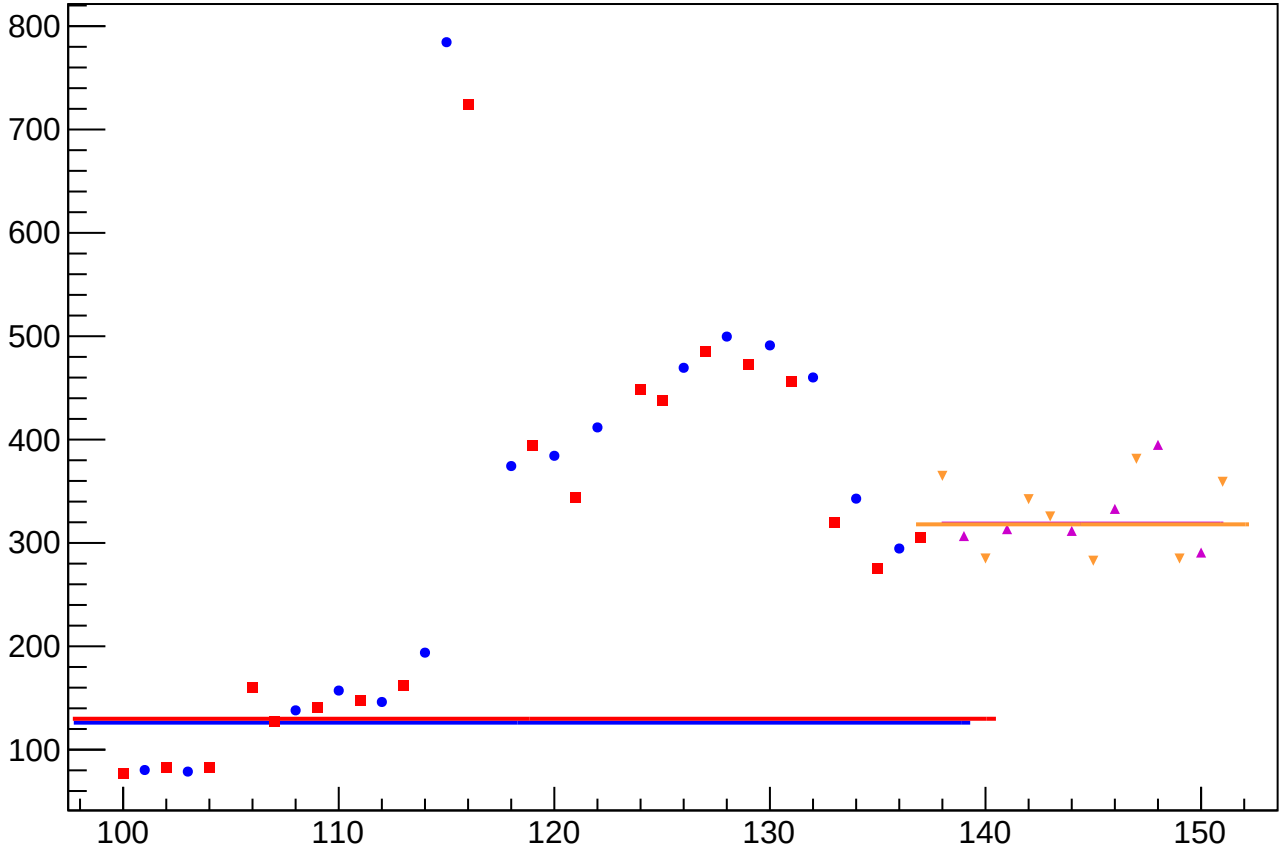
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 26.716+/-54.530 χ^2/NDF:28.4/21

Out: 138.637+/-52.882 χ^2/NDF:25.0/26

All: 84.393+/-37.962 χ^2/NDF: 55.6/48

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 318.001+/-0.091 χ^2/NDF:166967.7/7

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 318.708+/-0.099 χ^2/NDF:84878.9/5

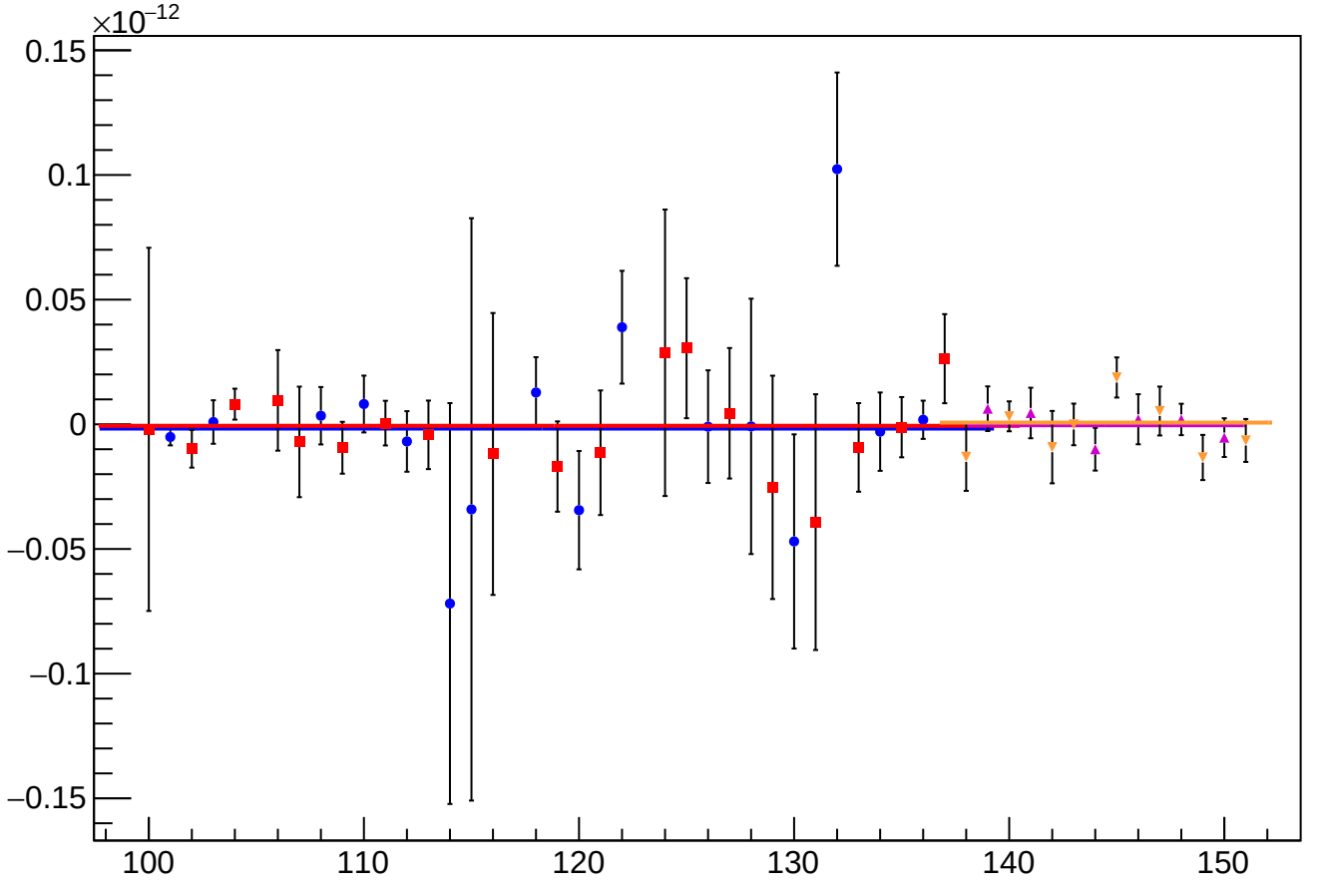
Left: 318.325+/-0.067 χ^2/NDF: 251874.0/13

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 155.164+/-0.039 χ^2/NDF:8496185.6/21

Out: 161.327+/-0.037 χ^2/NDF:8334389.8/26

All: 158.340+/-0.027 χ^2/NDF: 16843737.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/5

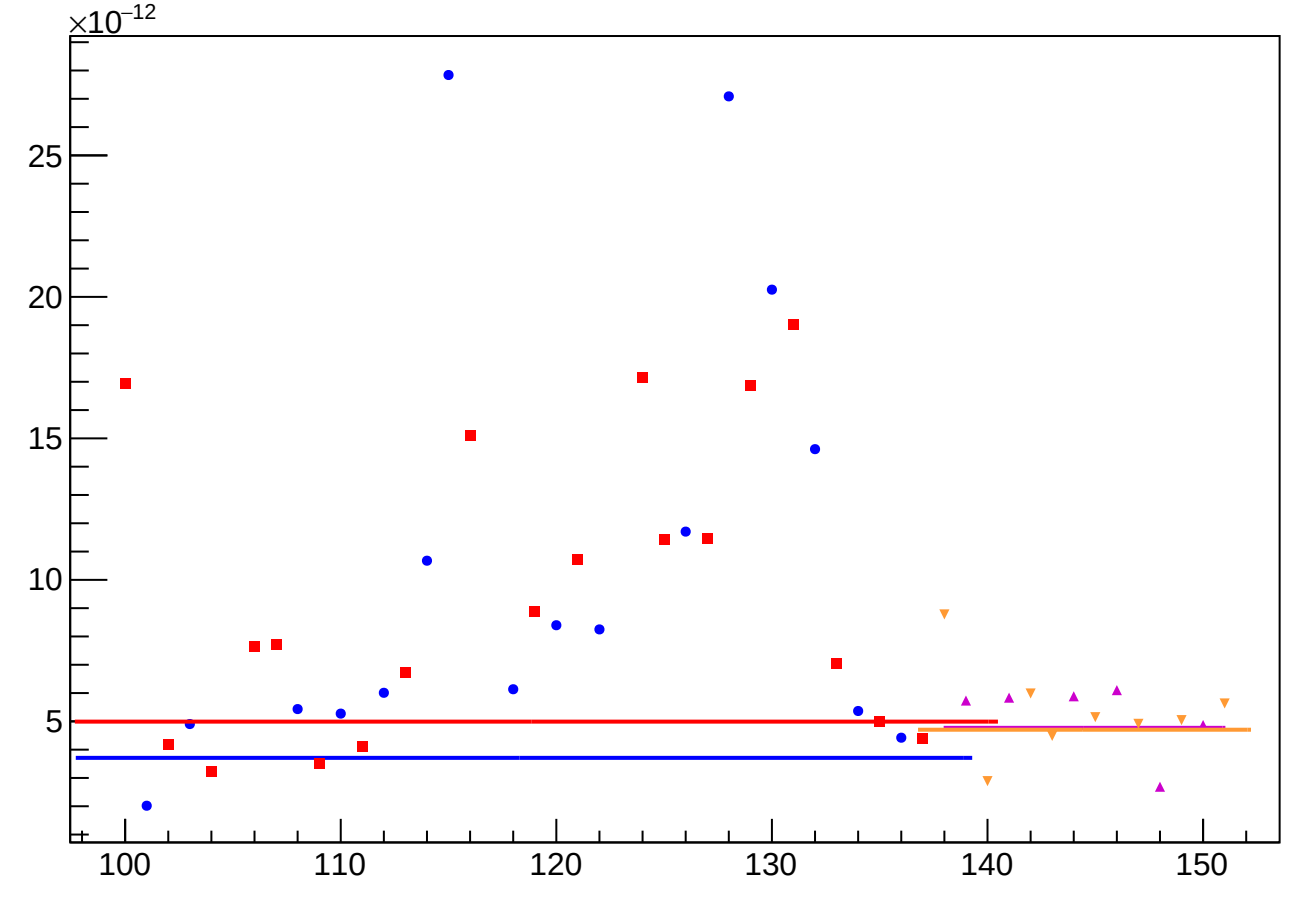
Left: 0.000+/-0.000 χ^2/NDF: 12.7/13

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.5/21

Out: 0.000+/-0.000 χ^2/NDF:20.6/26

All: -0.000+/-0.000 χ^2/NDF: 41.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:411507.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:333184.0/5

Left: 0.000+/-0.000 χ^2/NDF: 745112.6/13

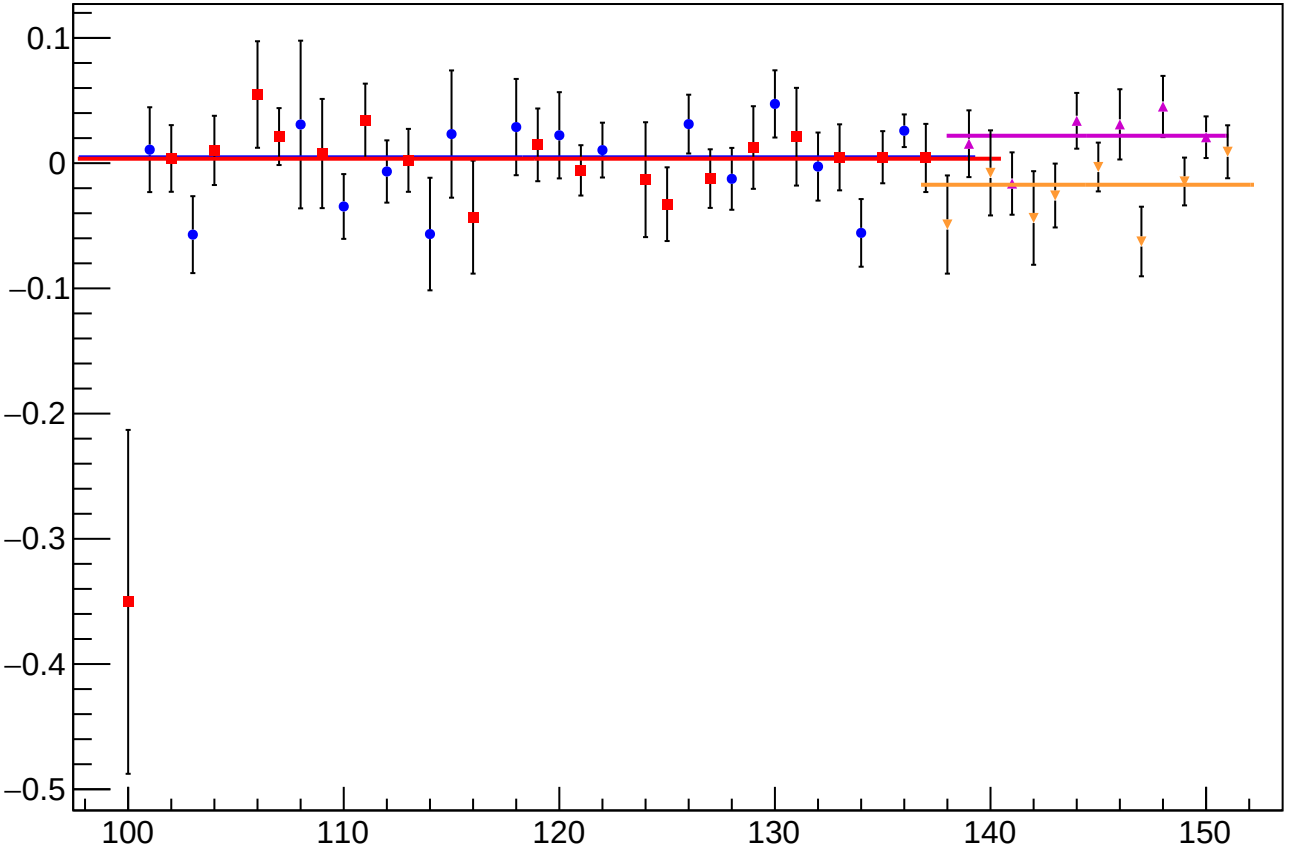
Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:2631923.6/21

Out: 0.000+/-0.000 χ^2/NDF:1715108.6/26

All: 0.000+/-0.000 χ^2/NDF: 4471515.4/48

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.009 χ^2/NDF:6.1/7

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.009 χ^2/NDF:3.7/5

Left: 0.001+/-0.006 χ^2/NDF: 19.1/13

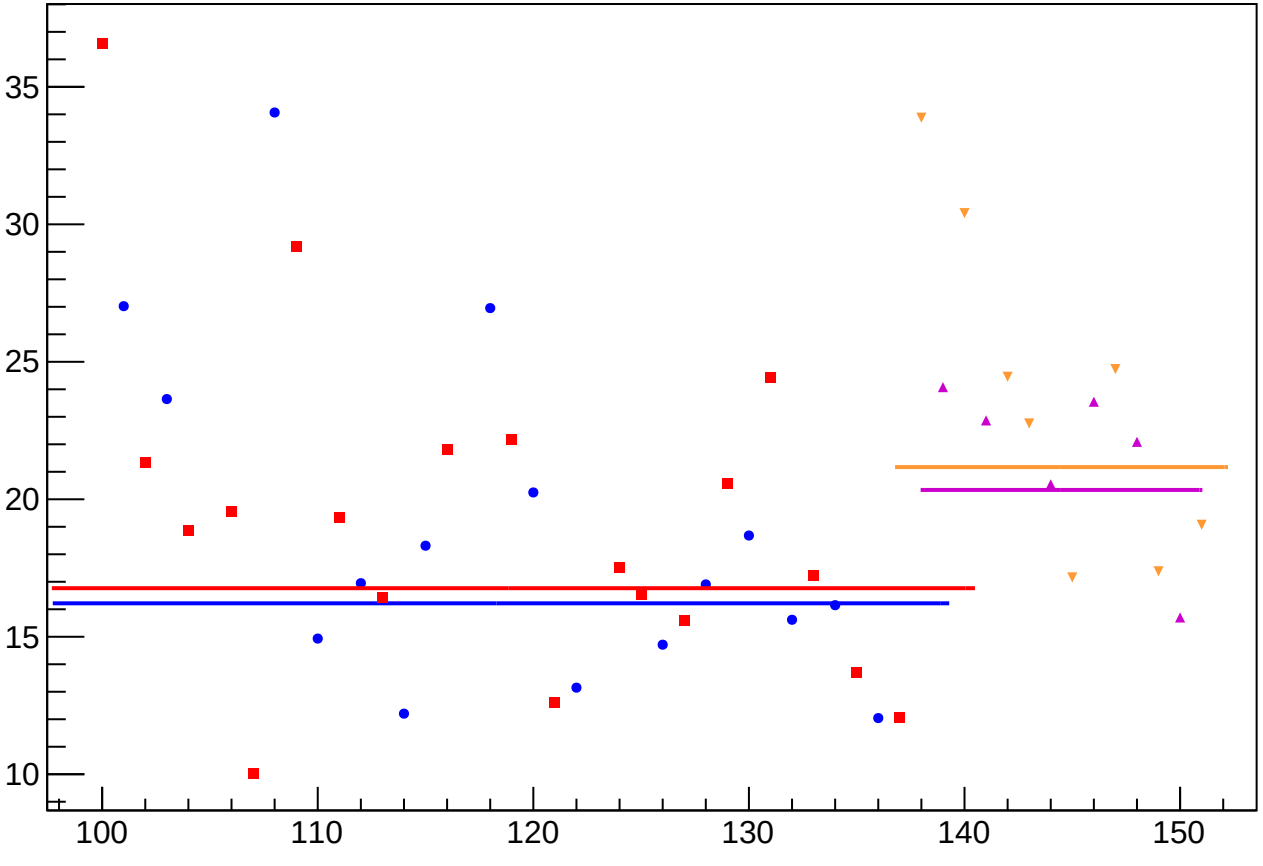
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.010+/-0.005 χ^2/NDF:27.5/21

Out: -0.004+/-0.005 χ^2/NDF:23.2/26

All: 0.003+/-0.004 χ^2/NDF: 54.3/48

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.171+/-0.006 χ^2/NDF:597377.2/7

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.340+/-0.007 χ^2/NDF:251993.6/5

Left: 20.774+/-0.005 χ^2/NDF: 857745.6/13

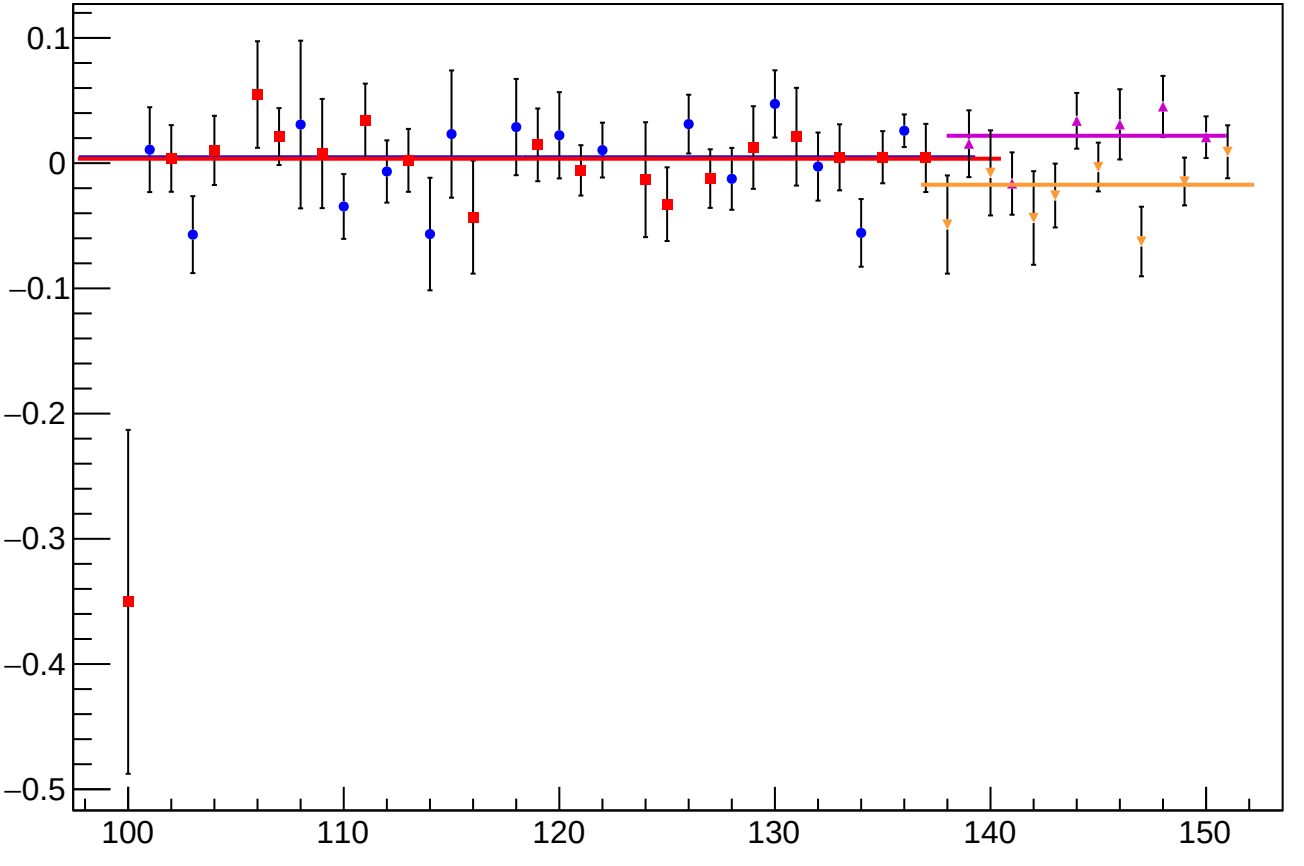
Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.590+/-0.004 χ^2/NDF:1458694.5/21

Out: 18.342+/-0.004 χ^2/NDF:1780202.2/26

All: 17.970+/-0.003 χ^2/NDF: 3258725.9/48

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.009 χ^2/NDF:6.1/7

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.009 χ^2/NDF:3.7/5

Left: 0.001+/-0.006 χ^2/NDF: 19.1/13

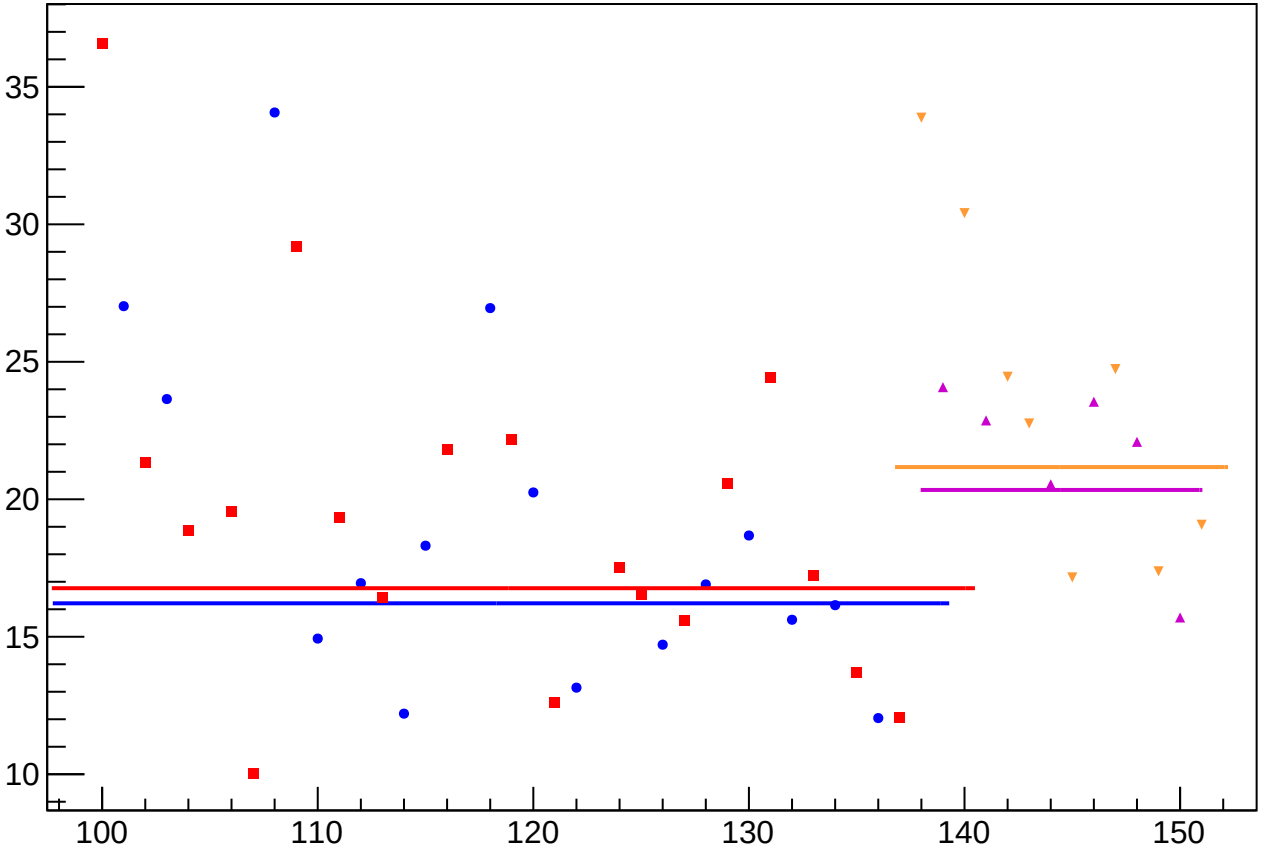
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.010+/-0.005 χ^2/NDF:27.5/21

Out: -0.004+/-0.005 χ^2/NDF:23.2/26

All: 0.003+/-0.004 χ^2/NDF: 54.3/48

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.171+/-0.006 χ^2/NDF:597377.2/7

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.340+/-0.007 χ^2/NDF:251993.6/5

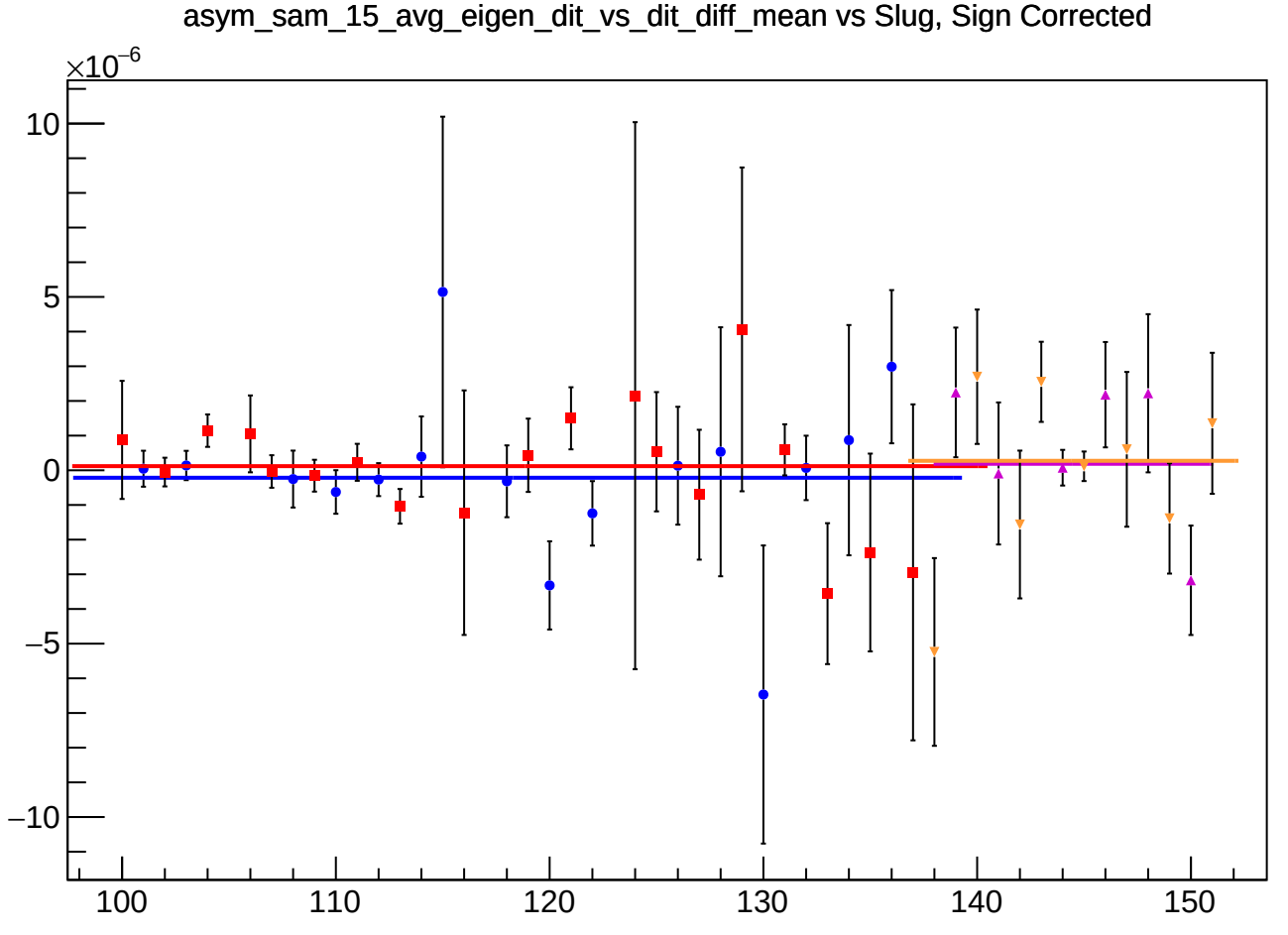
Left: 20.774+/-0.005 χ^2/NDF: 857745.6/13

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.590+/-0.004 χ^2/NDF:1458694.5/21

Out: 18.342+/-0.004 χ^2/NDF:1780202.2/26

All: 17.970+/-0.003 χ^2/NDF: 3258725.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/5

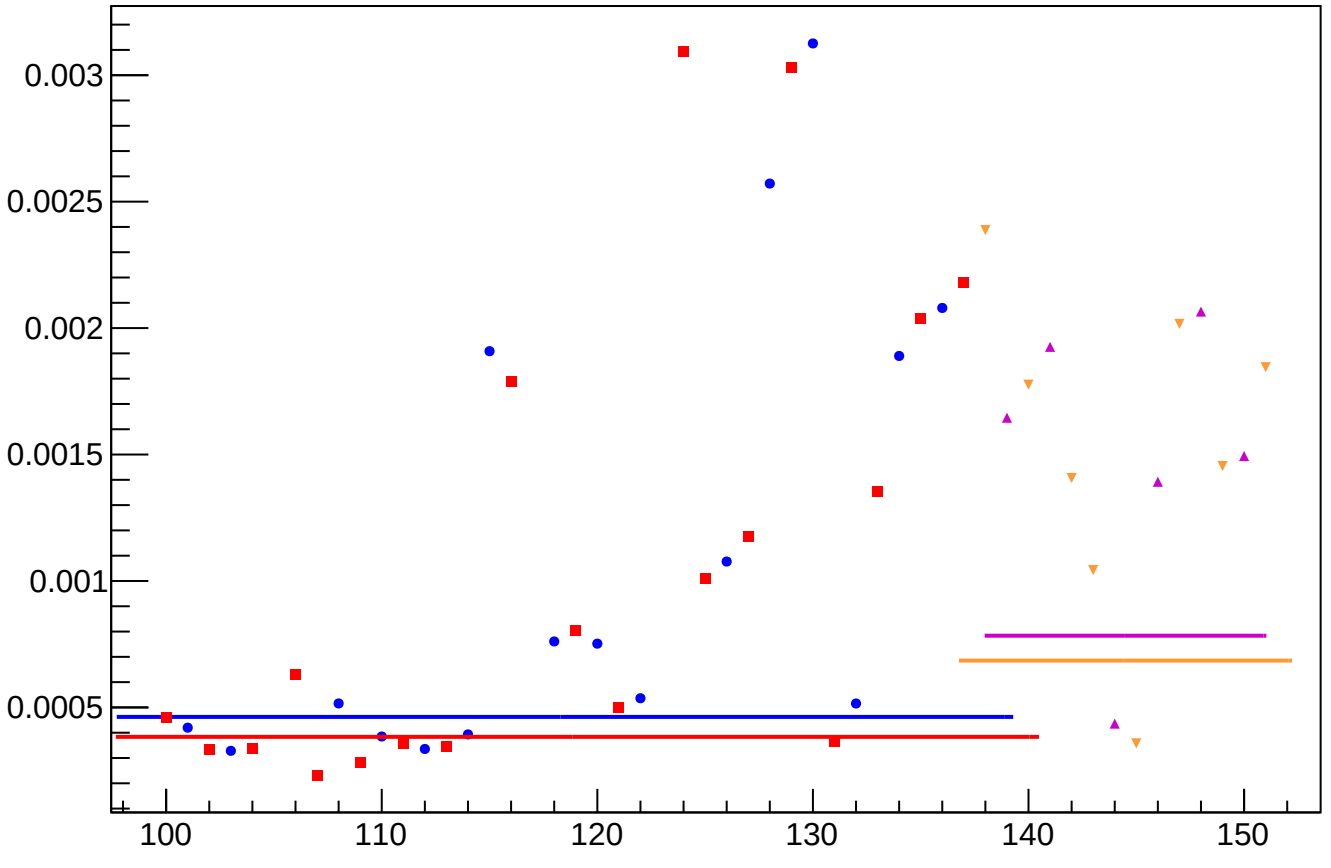
Left: 0.000+/-0.000 χ^2/NDF: 20.2/13

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:23.5/21

Out: 0.000+/-0.000 χ^2/NDF:32.2/26

All: 0.000+/-0.000 χ^2/NDF: 57.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4854392.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3318617.5/5

Left: 0.001+/-0.000 χ^2/NDF: 8234127.6/13

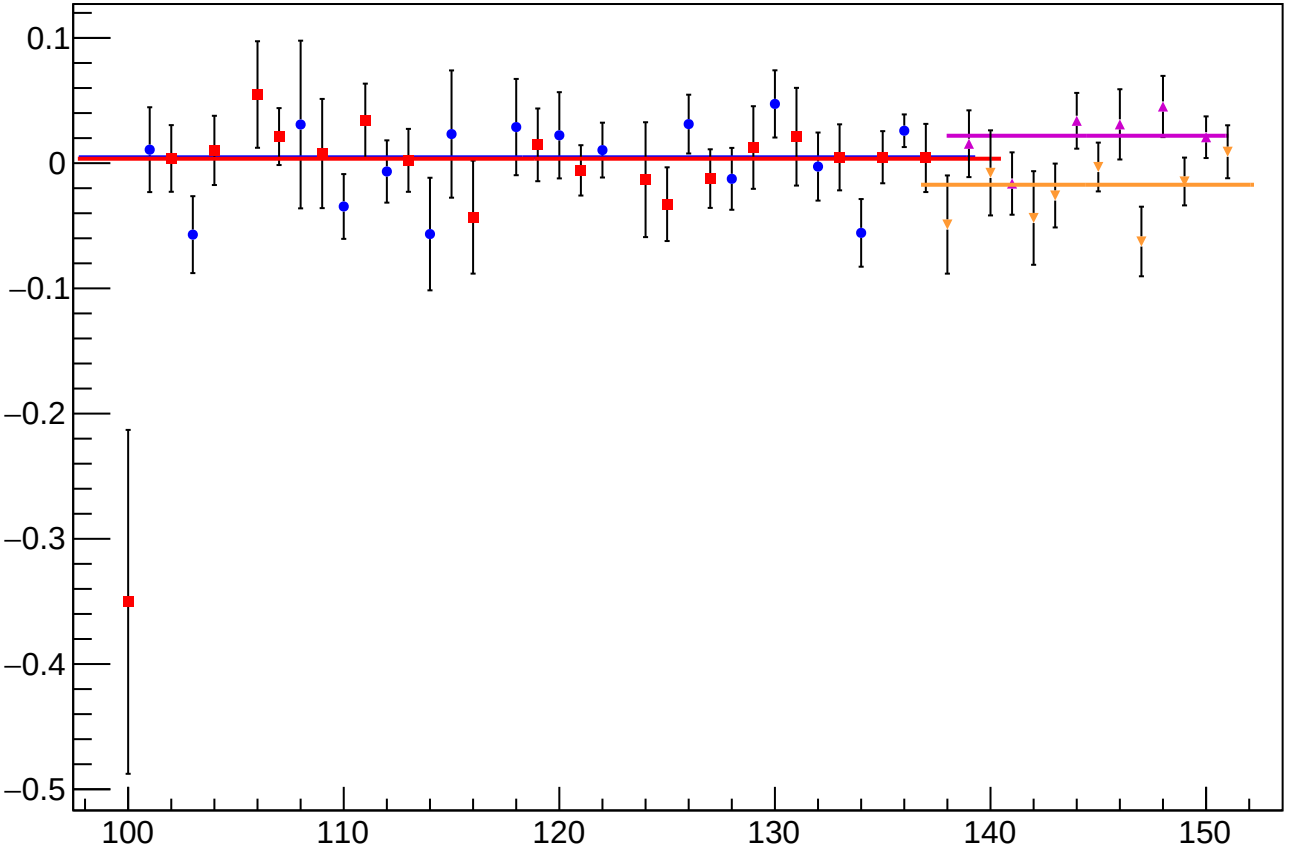
Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:8228548.9/21

Out: 0.000+/-0.000 χ^2/NDF:10052814.3/26

All: 0.000+/-0.000 χ^2/NDF: 18511018.6/48

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.009 χ^2/NDF:6.1/7

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.009 χ^2/NDF:3.7/5

Left: 0.001+/-0.006 χ^2/NDF: 19.1/13

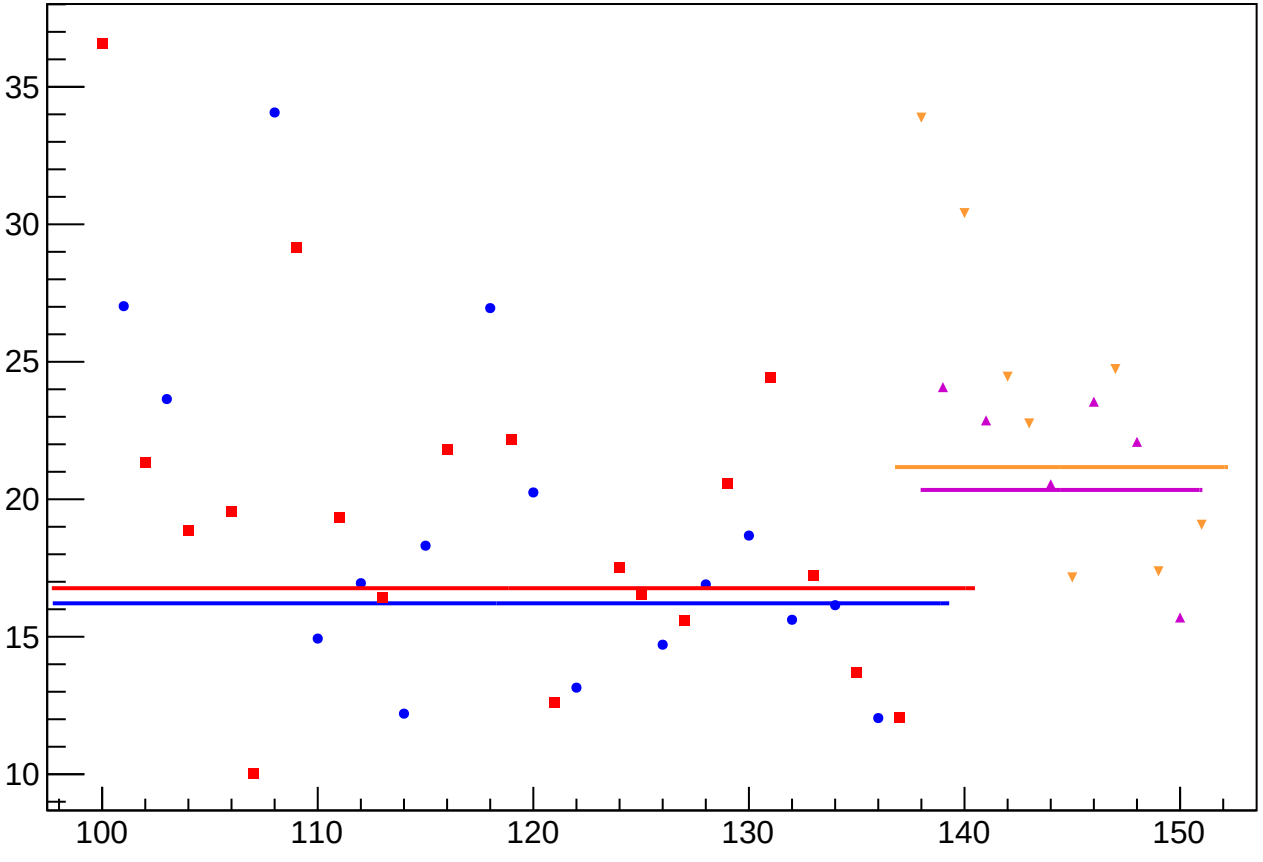
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.010+/-0.005 χ^2/NDF:27.5/21

Out: -0.004+/-0.005 χ^2/NDF:23.2/26

All: 0.003+/-0.004 χ^2/NDF: 54.3/48

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.171+/-0.006 χ^2/NDF:597421.1/7

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.340+/-0.007 χ^2/NDF:252058.6/5

Left: 20.774+/-0.005 χ^2/NDF: 857852.8/13

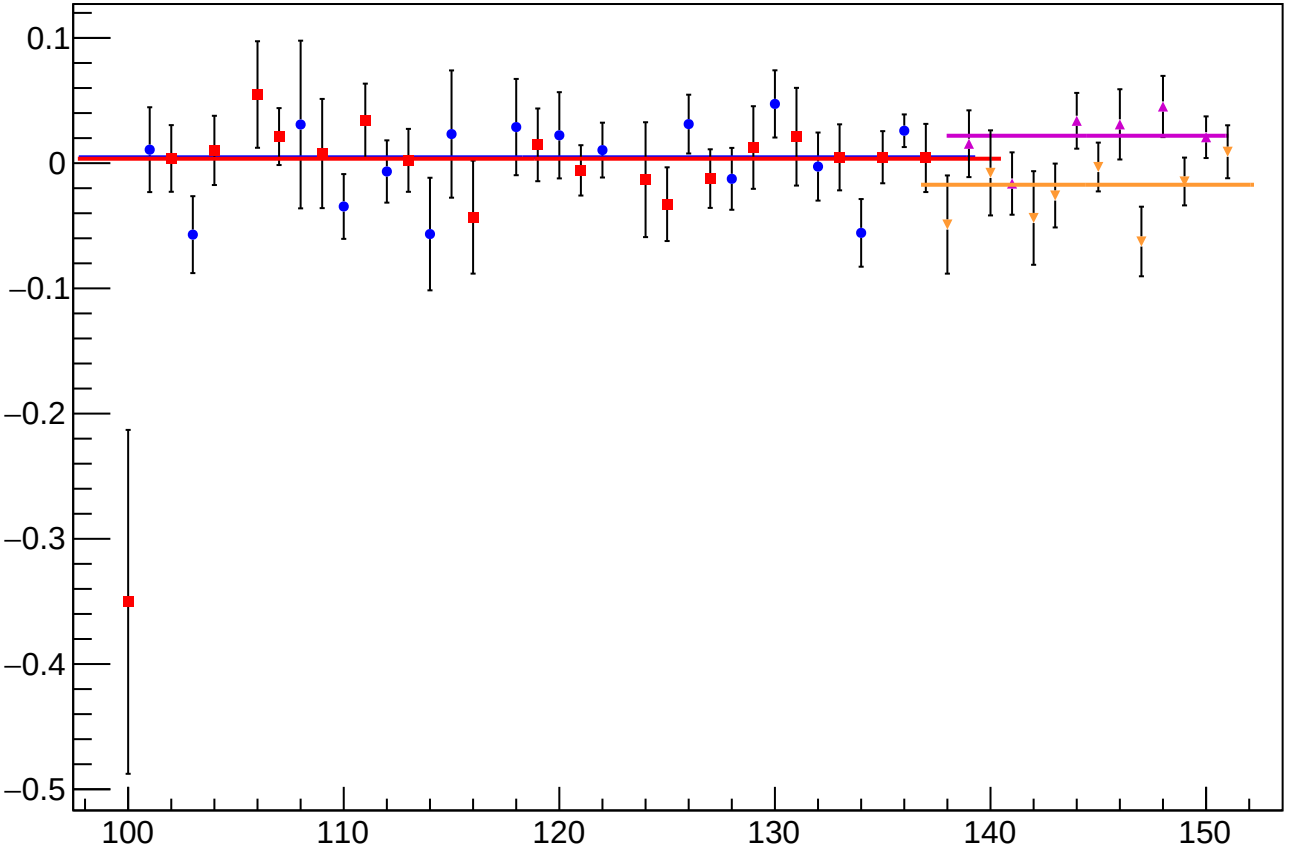
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.590+/-0.004 χ^2/NDF:1458775.7/21

Out: 18.342+/-0.004 χ^2/NDF:1780290.9/26

All: 17.969+/-0.003 χ^2/NDF: 3258894.3/48

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.009 χ^2/NDF:6.1/7

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.009 χ^2/NDF:3.7/5

Left: 0.001+/-0.006 χ^2/NDF: 19.1/13

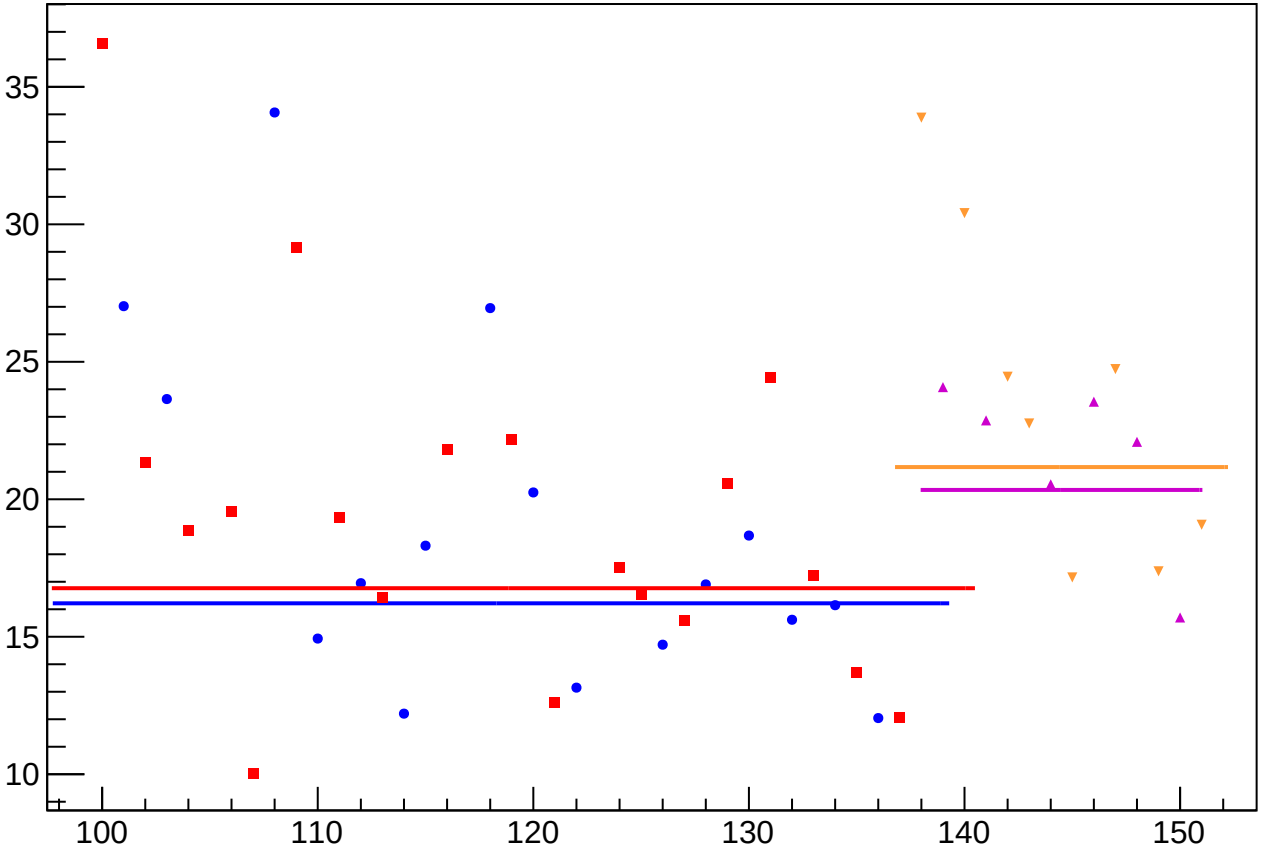
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.010+/-0.005 χ^2/NDF:27.5/21

Out: -0.004+/-0.005 χ^2/NDF:23.2/26

All: 0.003+/-0.004 χ^2/NDF: 54.3/48

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 21.171+/-0.006 χ^2/NDF:597421.1/7

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.340+/-0.007 χ^2/NDF:252058.6/5

Left: 20.774+/-0.005 χ^2/NDF: 857852.8/13

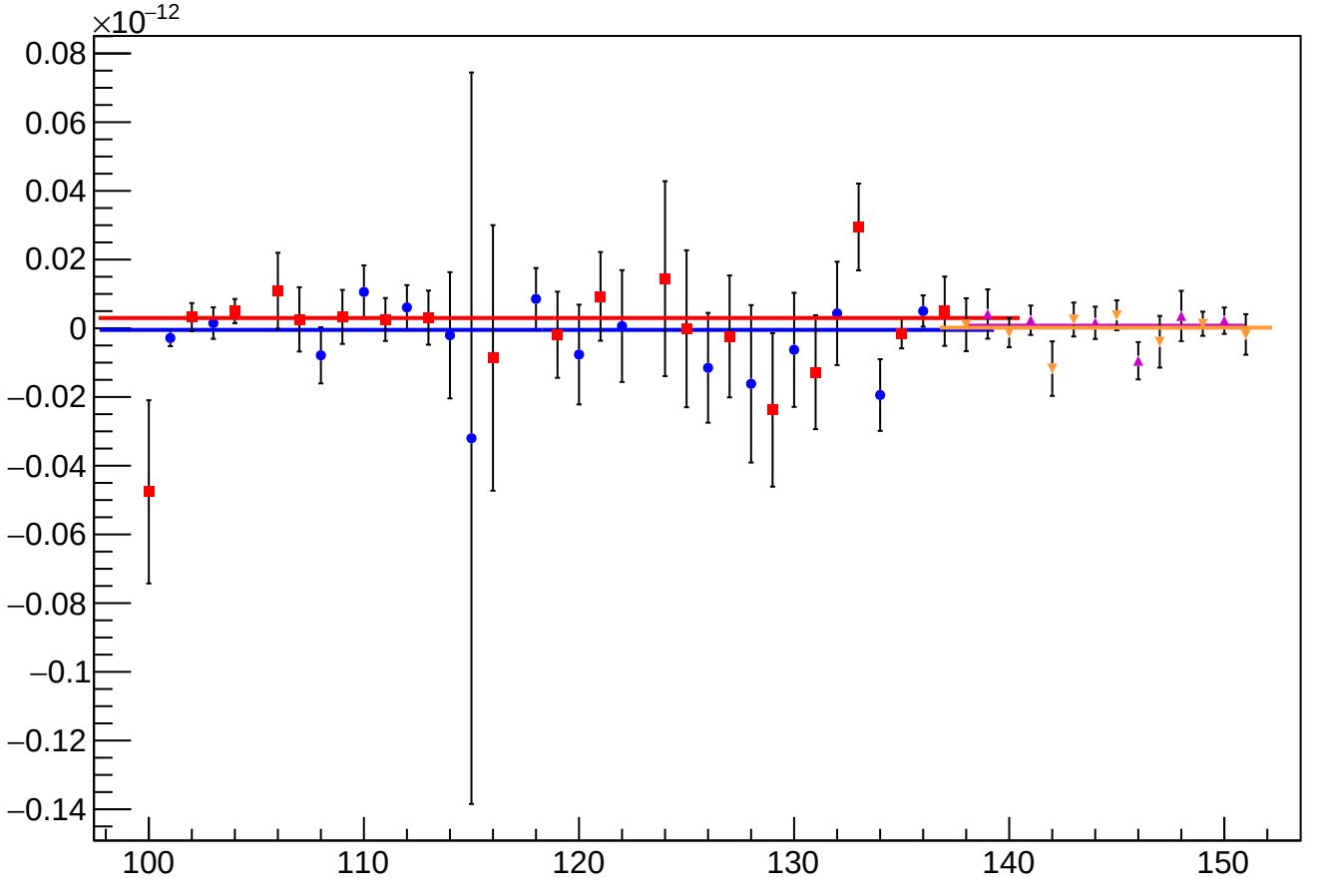
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.590+/-0.004 χ^2/NDF:1458775.7/21

Out: 18.342+/-0.004 χ^2/NDF:1780290.9/26

All: 17.969+/-0.003 χ^2/NDF: 3258894.3/48

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:3.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/5

Left: 0.000+/-0.000 χ^2/NDF: 8.1/13

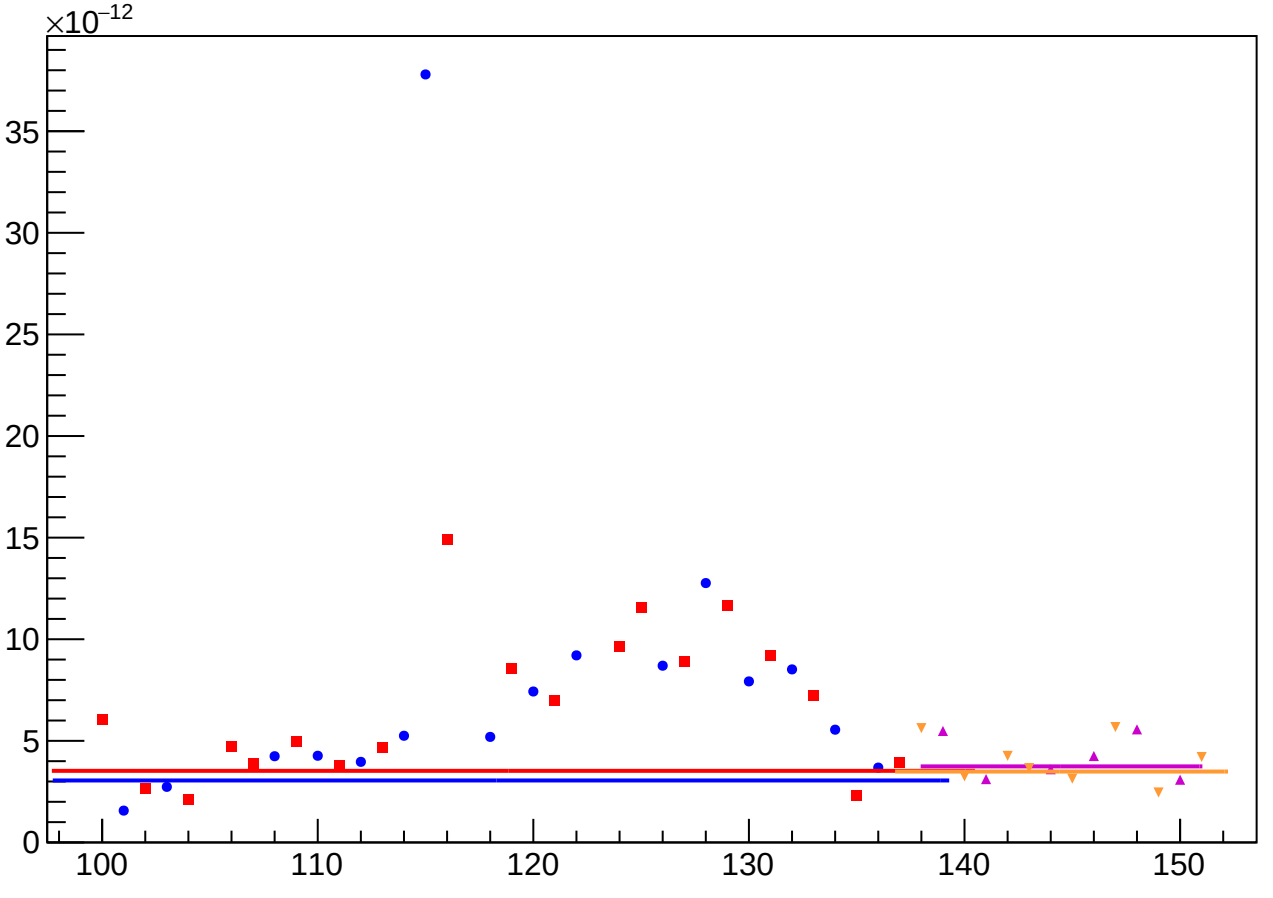
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:16.7/21

Out: 0.000+/-0.000 χ^2/NDF:18.1/26

All: 0.000+/-0.000 χ^2/NDF: 35.6/48

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:565059.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:363385.4/5

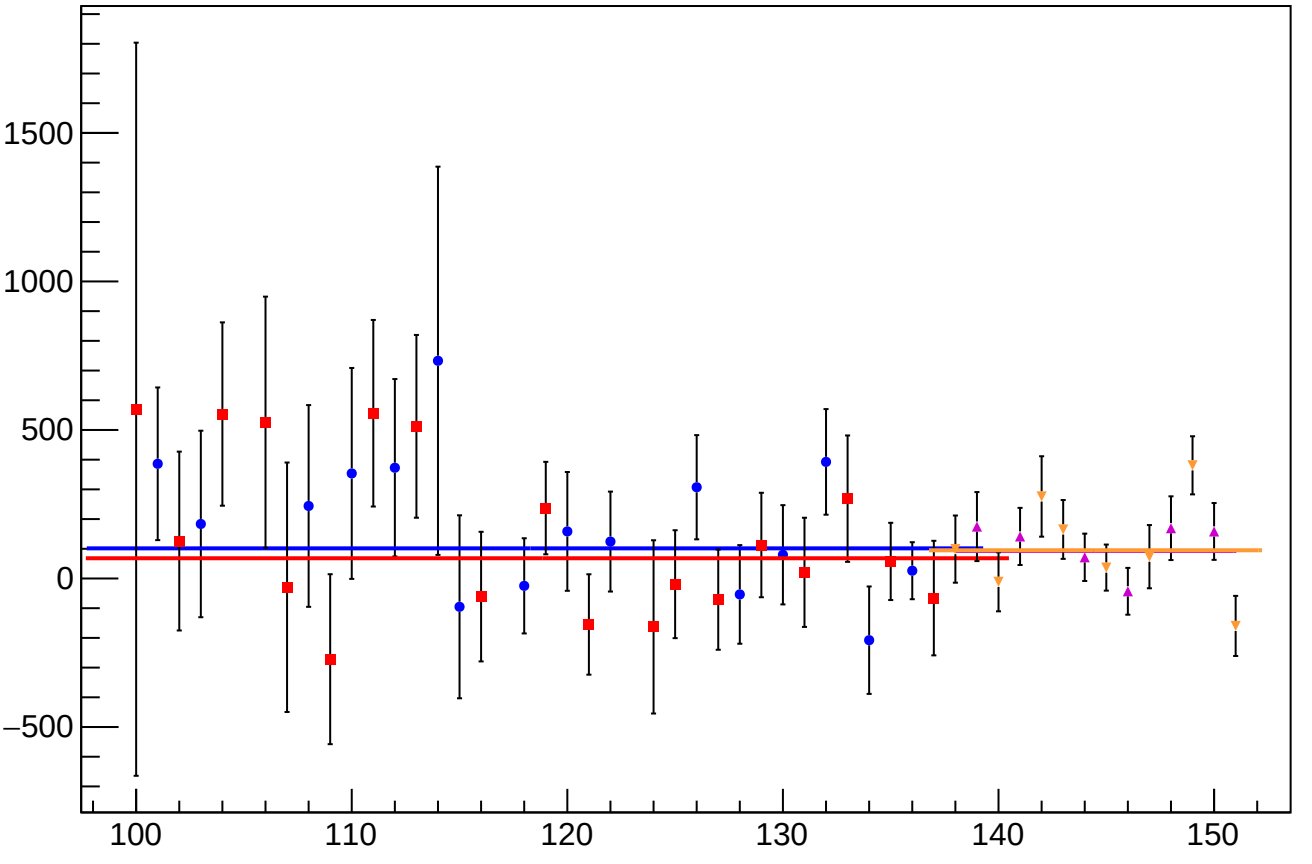
Left: 0.000+/-0.000 χ^2/NDF: 945862.9/13

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3440926.8/21

Out: 0.000+/-0.000 χ^2/NDF:3124516.2/26

All: 0.000+/-0.000 χ^2/NDF: 6586628.2/48



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 94.990+/-35.512 χ^2/NDF:18.9/7

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 92.659+/-37.877 χ^2/NDF:4.8/5

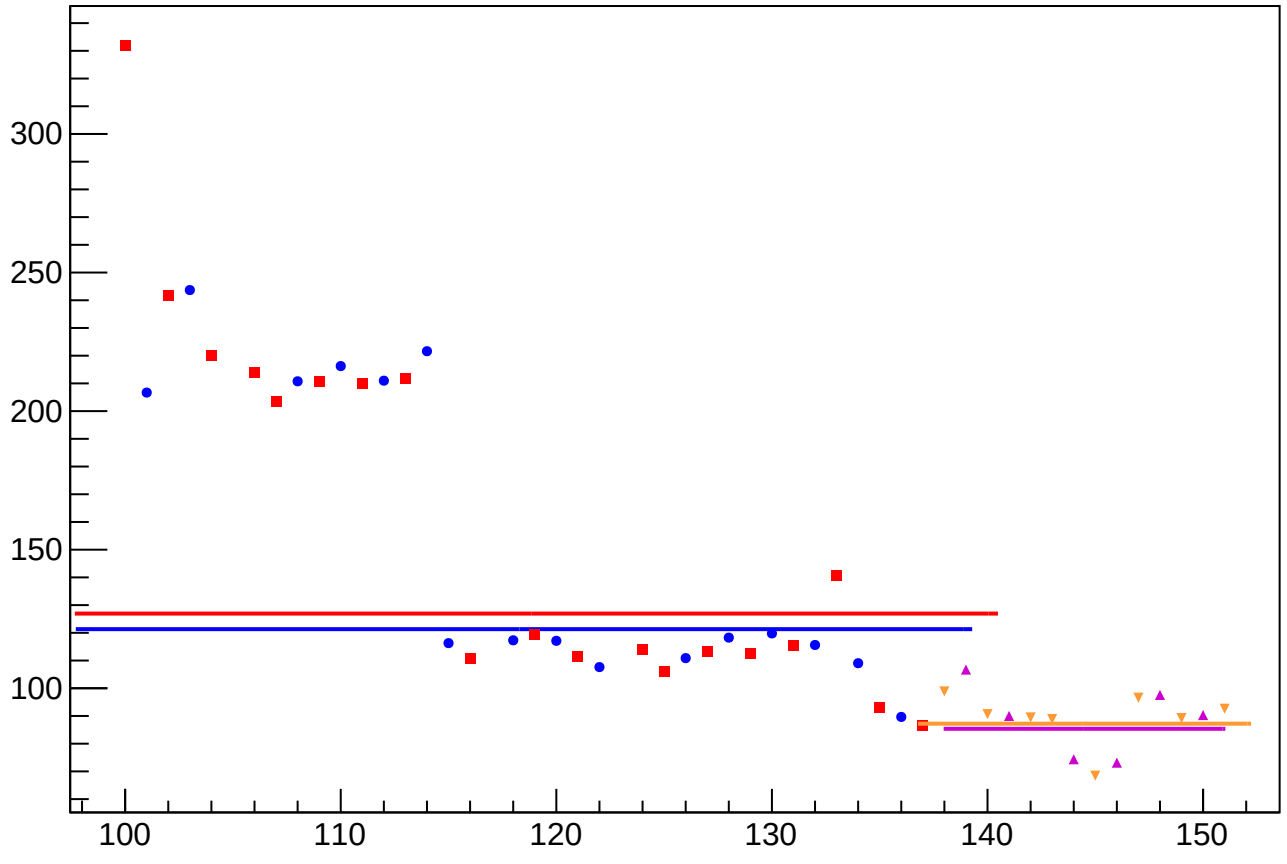
Left: 93.900+/-25.907 χ^2/NDF: 23.7/13

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 96.069+/-29.646 χ^2/NDF:18.2/21

Out: 85.813+/-28.821 χ^2/NDF:35.3/26

All: 90.796+/-20.665 χ^2/NDF: 53.5/48



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.217+/-0.025 χ^2/NDF:163706.3/7

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 85.364+/-0.027 χ^2/NDF:189789.8/5

Left: 86.350+/-0.018 χ^2/NDF: 356041.5/13

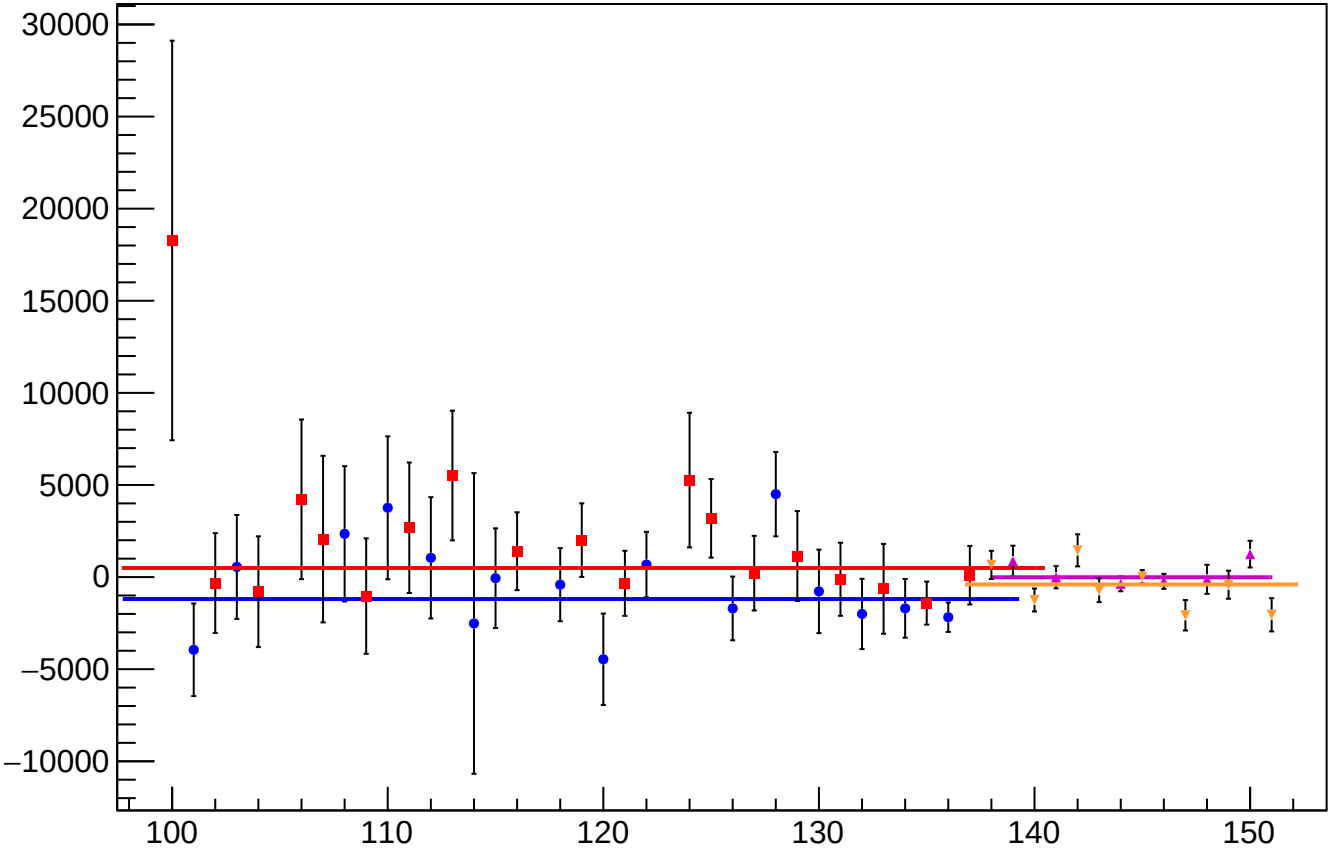
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 99.296+/-0.021 χ^2/NDF:2174830.9/21

Out: 100.779+/-0.020 χ^2/NDF:2489754.1/26

All: 100.058+/-0.015 χ^2/NDF: 4667158.0/48

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: -398.883+/-223.293 χ^2/NDF:17.3/7

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -10.246+/-224.503 χ^2/NDF:5.2/5

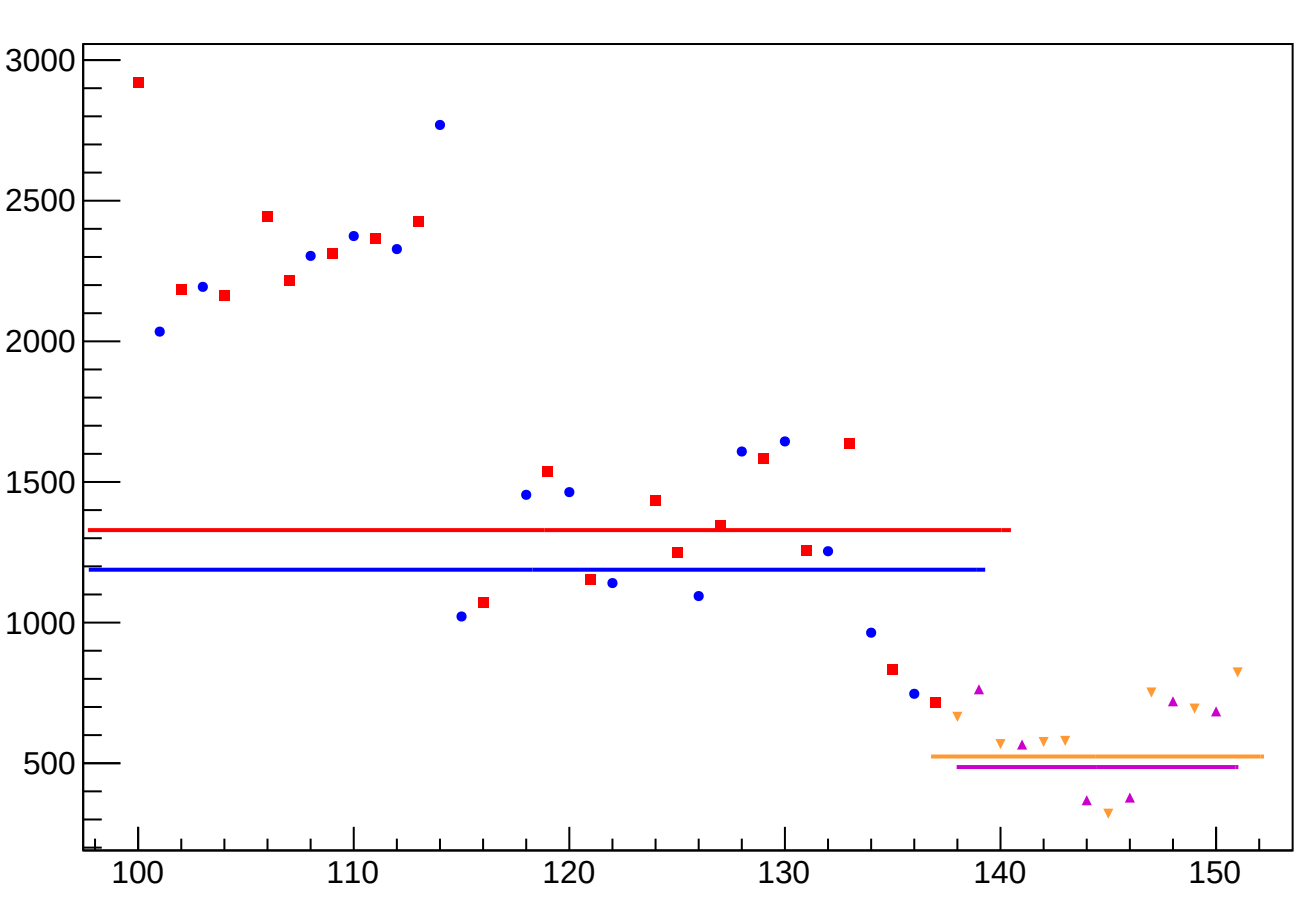
Left: -205.614+/-158.318 χ^2/NDF: 24.0/13

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -223.185+/-203.276 χ^2/NDF:26.1/21

Out: -260.566+/-205.284 χ^2/NDF:33.6/26

All: -241.692+/-144.442 χ^2/NDF: 59.8/48



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 523.880+/-0.158 χ^2/NDF:1202005.1/7

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 486.419+/-0.159 χ^2/NDF:894579.2/5

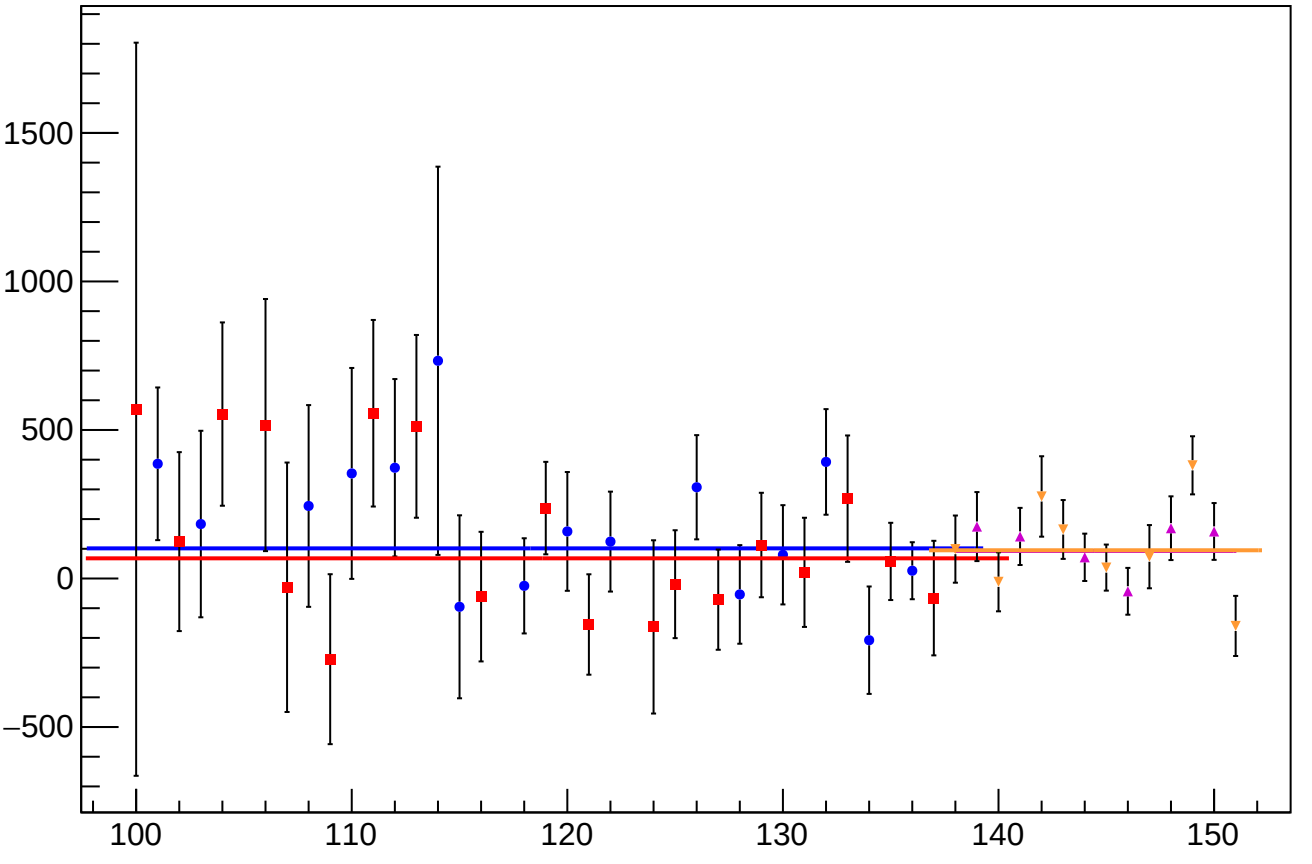
Left: 505.251+/-0.112 χ^2/NDF: 2124577.3/13

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 612.831+/-0.144 χ^2/NDF:6458823.9/21

Out: 648.485+/-0.145 χ^2/NDF:7183016.7/26

All: 630.483+/-0.102 χ^2/NDF: 13672303.2/48



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 94.996+/-35.512 χ^2/NDF:18.9/7

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 92.658+/-37.877 χ^2/NDF:4.8/5

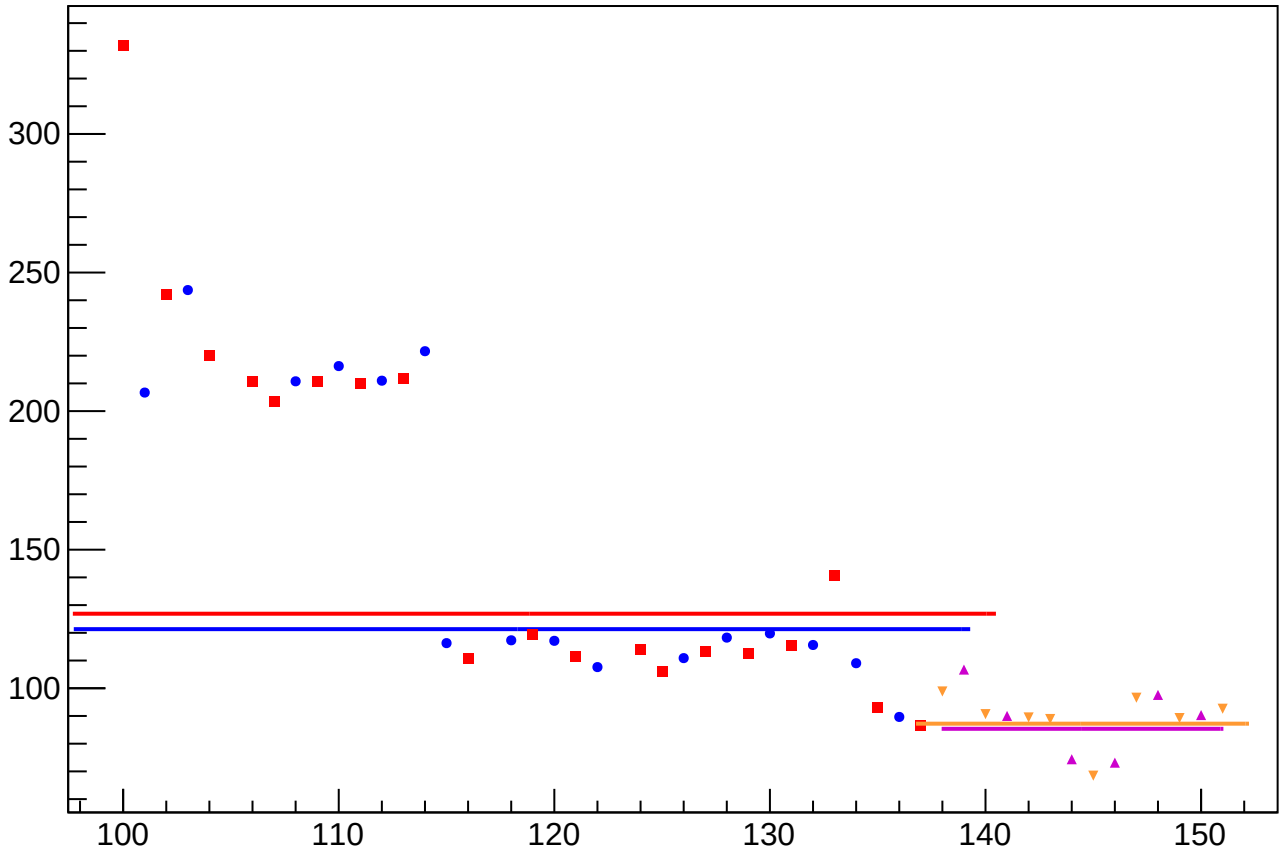
Left: 93.902+/-25.907 χ^2/NDF: 23.7/13

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 96.063+/-29.646 χ^2/NDF:18.2/21

Out: 85.740+/-28.821 χ^2/NDF:35.2/26

All: 90.756+/-20.665 χ^2/NDF: 53.4/48



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.217+/-0.025 χ^2/NDF:163706.3/7

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.364+/-0.027 χ^2/NDF:189789.8/5

Left: 86.350+/-0.018 χ^2/NDF: 356041.5/13

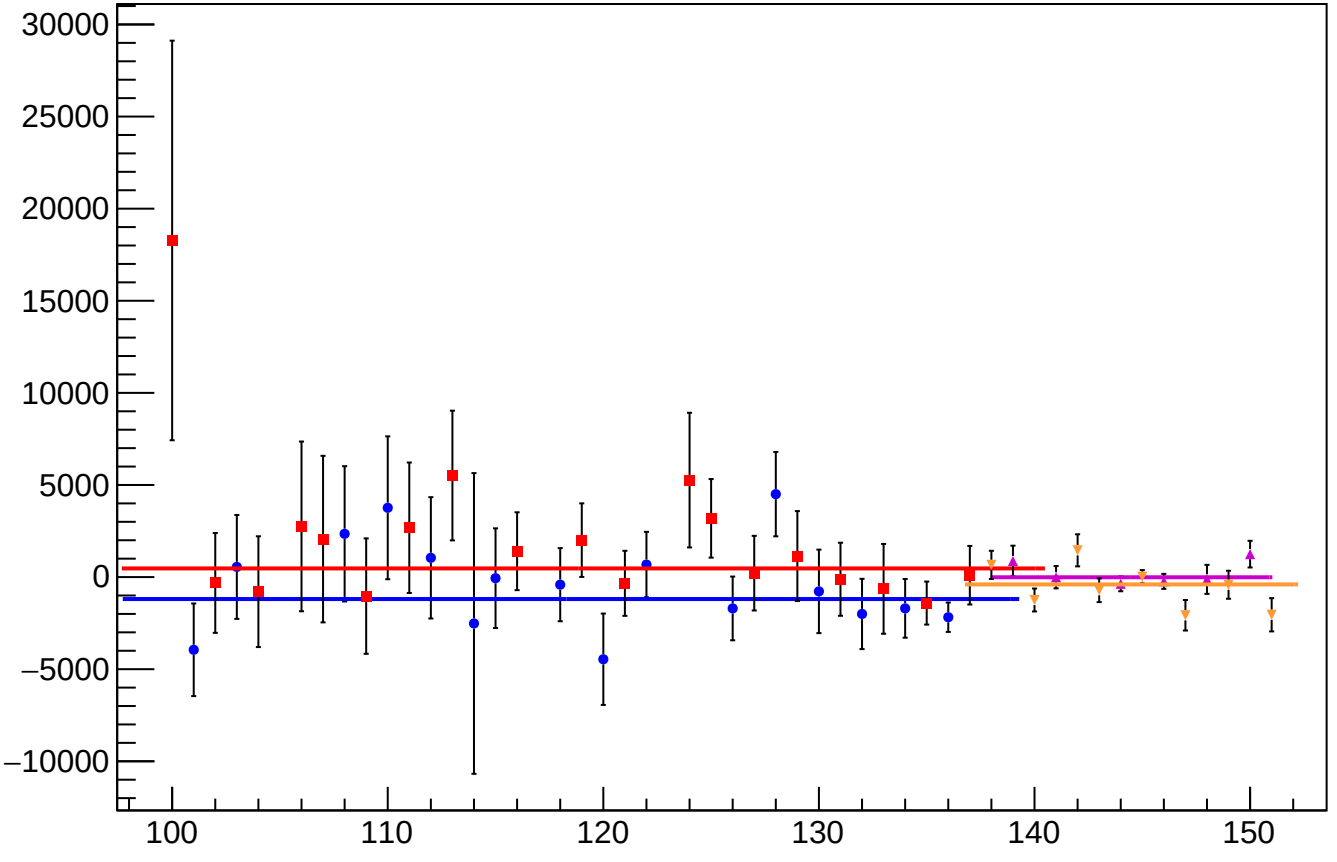
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 99.296+/-0.021 χ^2/NDF:2174833.3/21

Out: 100.760+/-0.020 χ^2/NDF:2481420.5/26

All: 100.049+/-0.015 χ^2/NDF: 4658763.9/48

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: -398.874+/-223.293 χ^2/NDF:17.3/7

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -10.242+/-224.503 χ^2/NDF:5.2/5

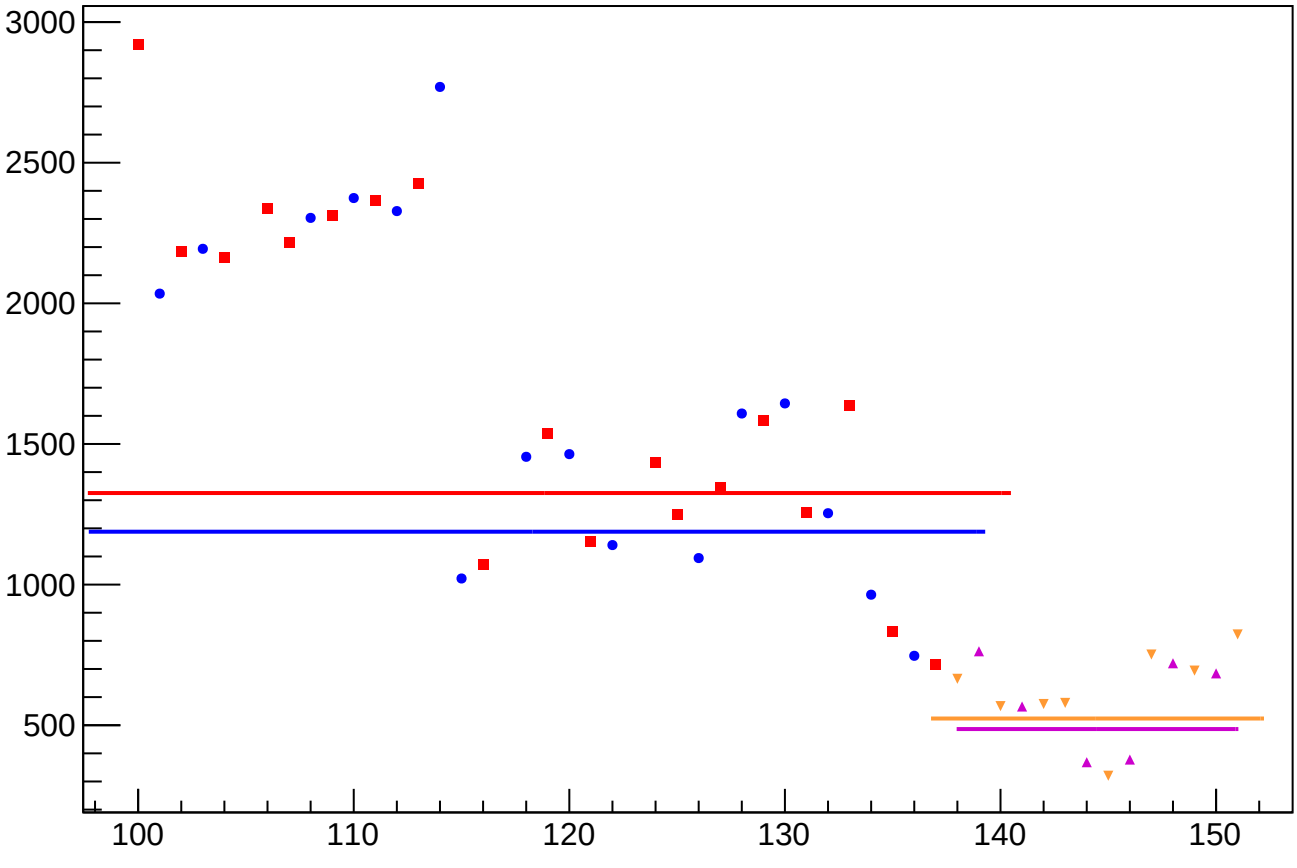
Left: -205.608+/-158.318 χ^2/NDF: 24.0/13

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -223.177+/-203.276 χ^2/NDF:26.1/21

Out: -264.607+/-205.311 χ^2/NDF:33.0/26

All: -243.686+/-144.452 χ^2/NDF: 59.2/48



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 523.879+/-0.158 χ^2/NDF:1202011.7/7

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 486.419+/-0.159 χ^2/NDF:894580.9/5

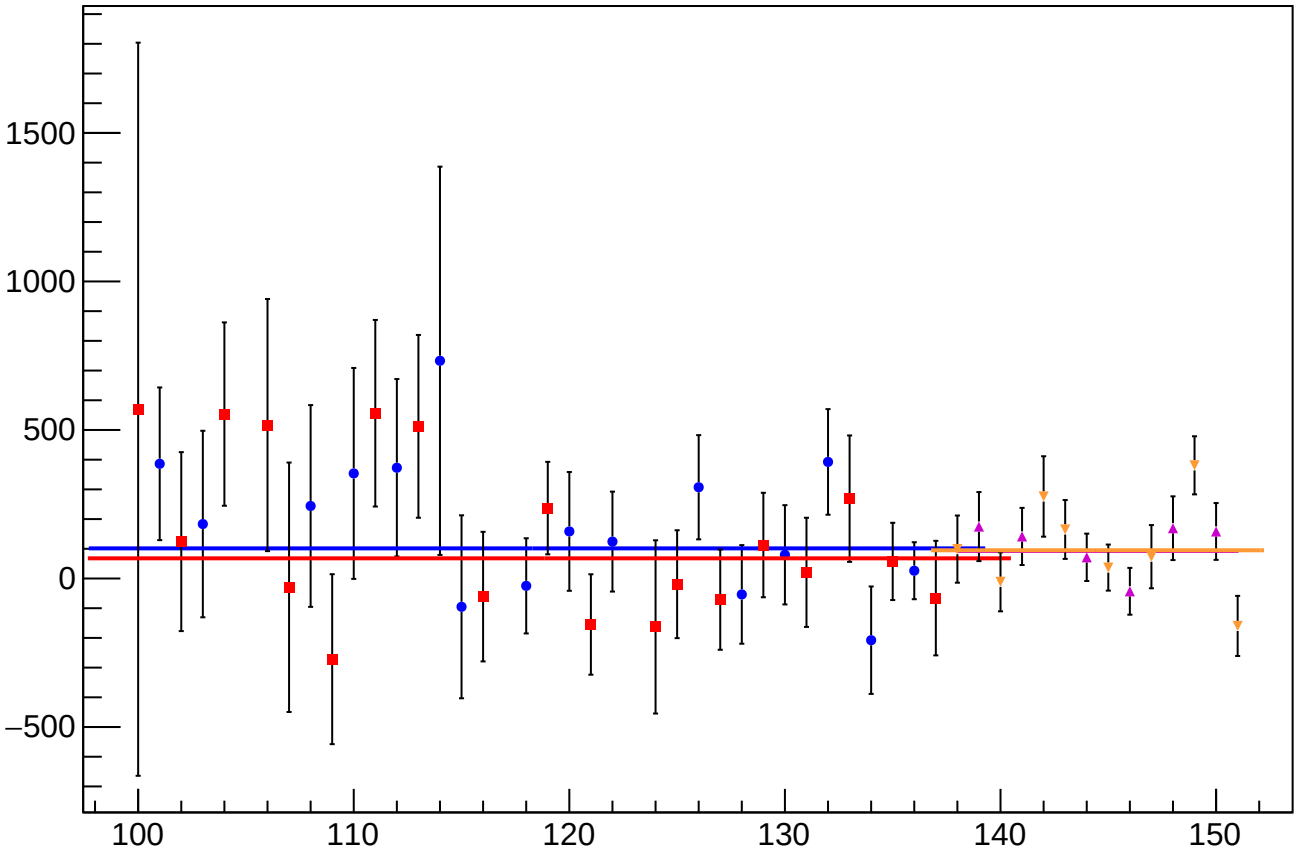
Left: 505.250+/-0.112 χ^2/NDF: 2124584.8/13

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 612.831+/-0.144 χ^2/NDF:6458847.2/21

Out: 647.801+/-0.145 χ^2/NDF:7108034.9/26

All: 630.142+/-0.102 χ^2/NDF: 13596183.7/48



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 94.996+/-35.512 χ^2/NDF:18.9/7

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 92.658+/-37.877 χ^2/NDF:4.8/5

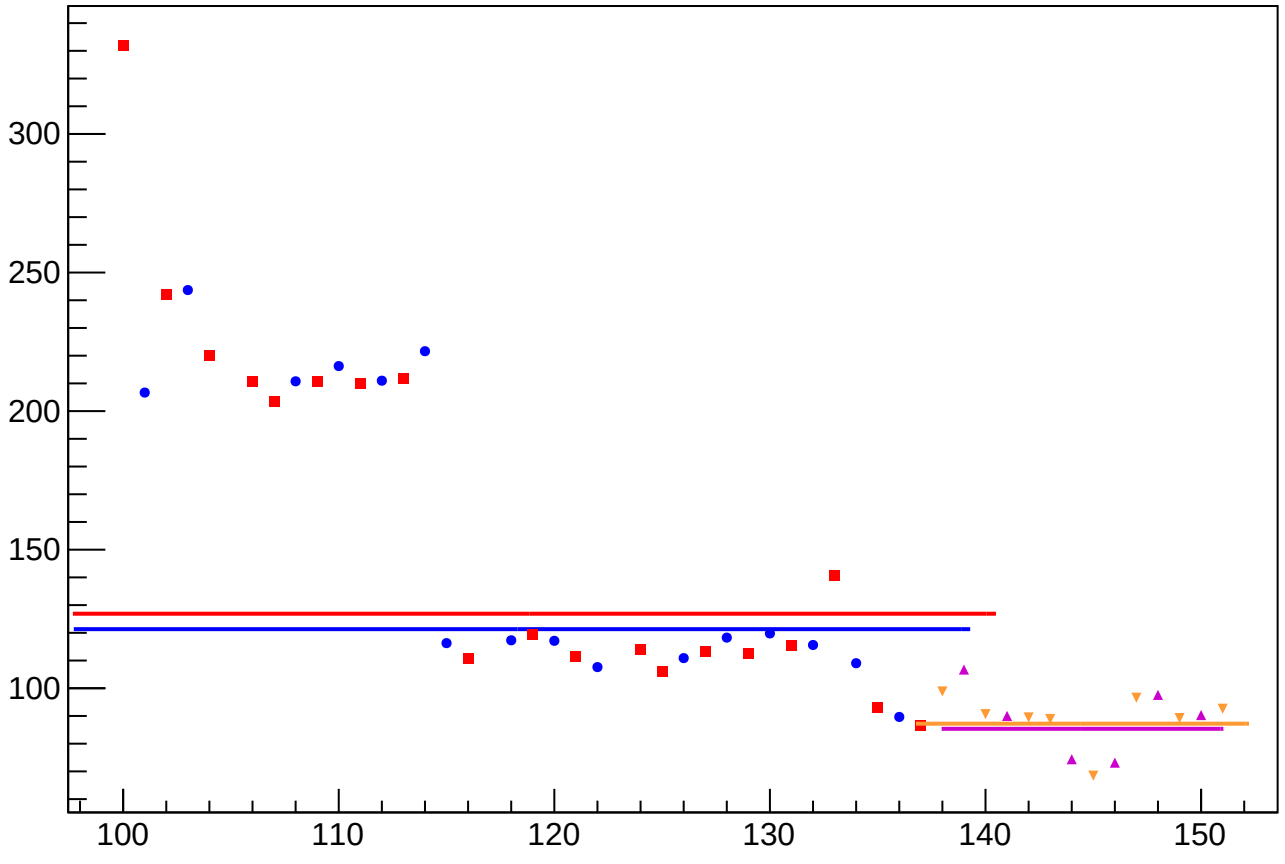
Left: 93.902+/-25.907 χ^2/NDF: 23.7/13

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 96.063+/-29.646 χ^2/NDF:18.2/21

Out: 85.740+/-28.821 χ^2/NDF:35.2/26

All: 90.756+/-20.665 χ^2/NDF: 53.4/48



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.217+/-0.025 χ^2/NDF:163706.3/7

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.364+/-0.027 χ^2/NDF:189789.8/5

Left: 86.350+/-0.018 χ^2/NDF: 356041.5/13

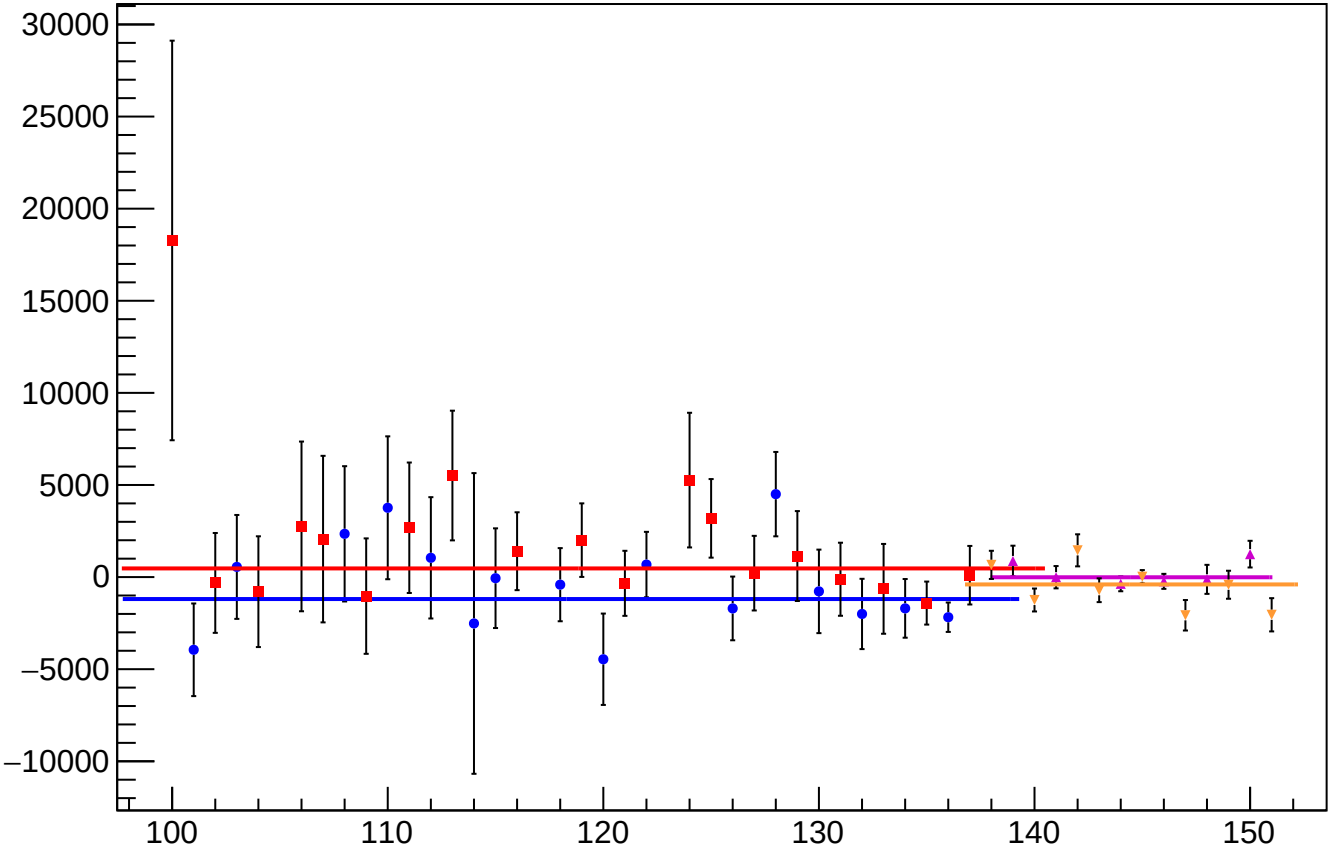
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 99.296+/-0.021 χ^2/NDF:2174833.3/21

Out: 100.760+/-0.020 χ^2/NDF:2481420.5/26

All: 100.049+/-0.015 χ^2/NDF: 4658763.9/48

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: -398.874+/-223.293 χ^2/NDF:17.3/7

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -10.242+/-224.503 χ^2/NDF:5.2/5

Left: -205.608+/-158.318 χ^2/NDF: 24.0/13

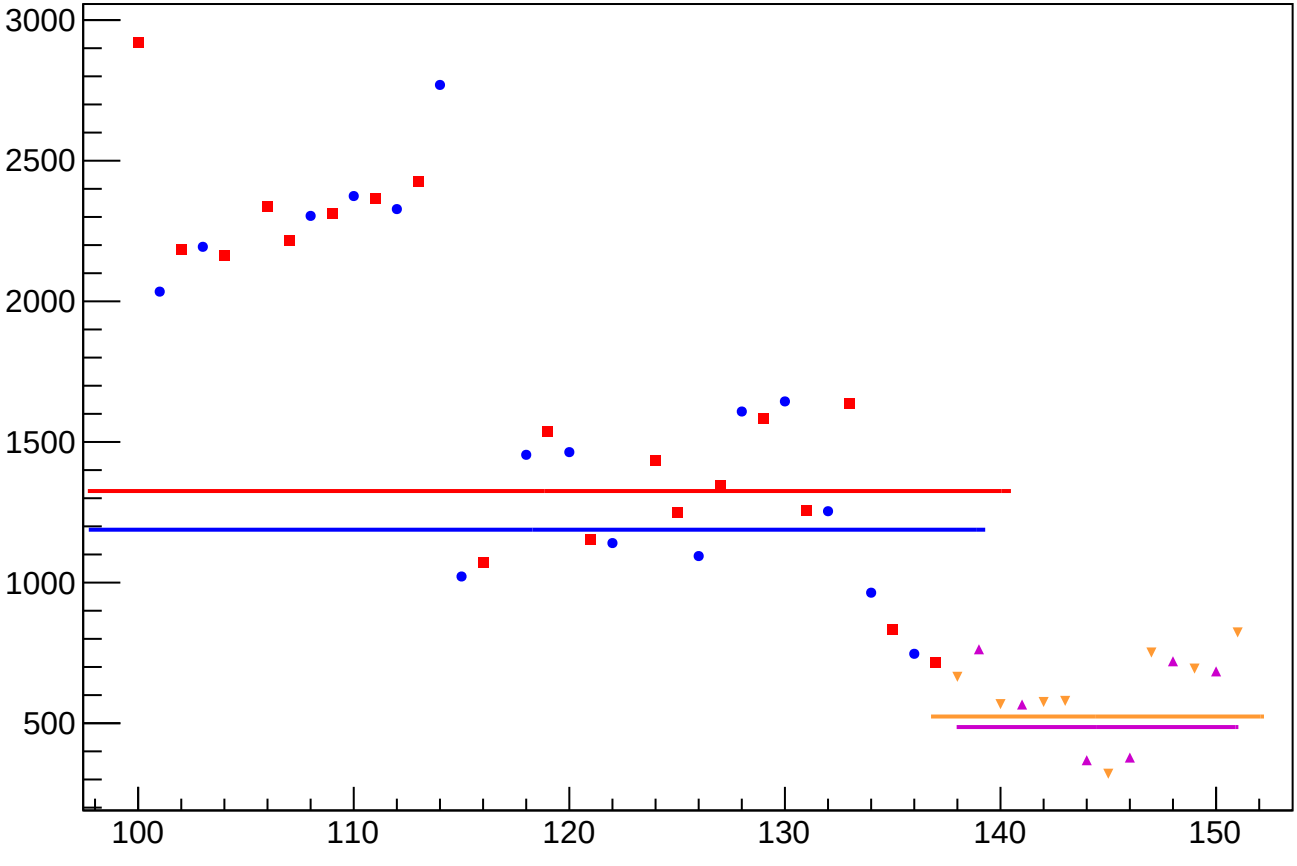
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -223.177+/-203.276 χ^2/NDF:26.1/21

Out: -264.607+/-205.311 χ^2/NDF:33.0/26

All: -243.686+/-144.452 χ^2/NDF: 59.2/48

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 523.879+/-0.158 χ^2/NDF:1202011.7/7

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 486.419+/-0.159 χ^2/NDF:894580.9/5

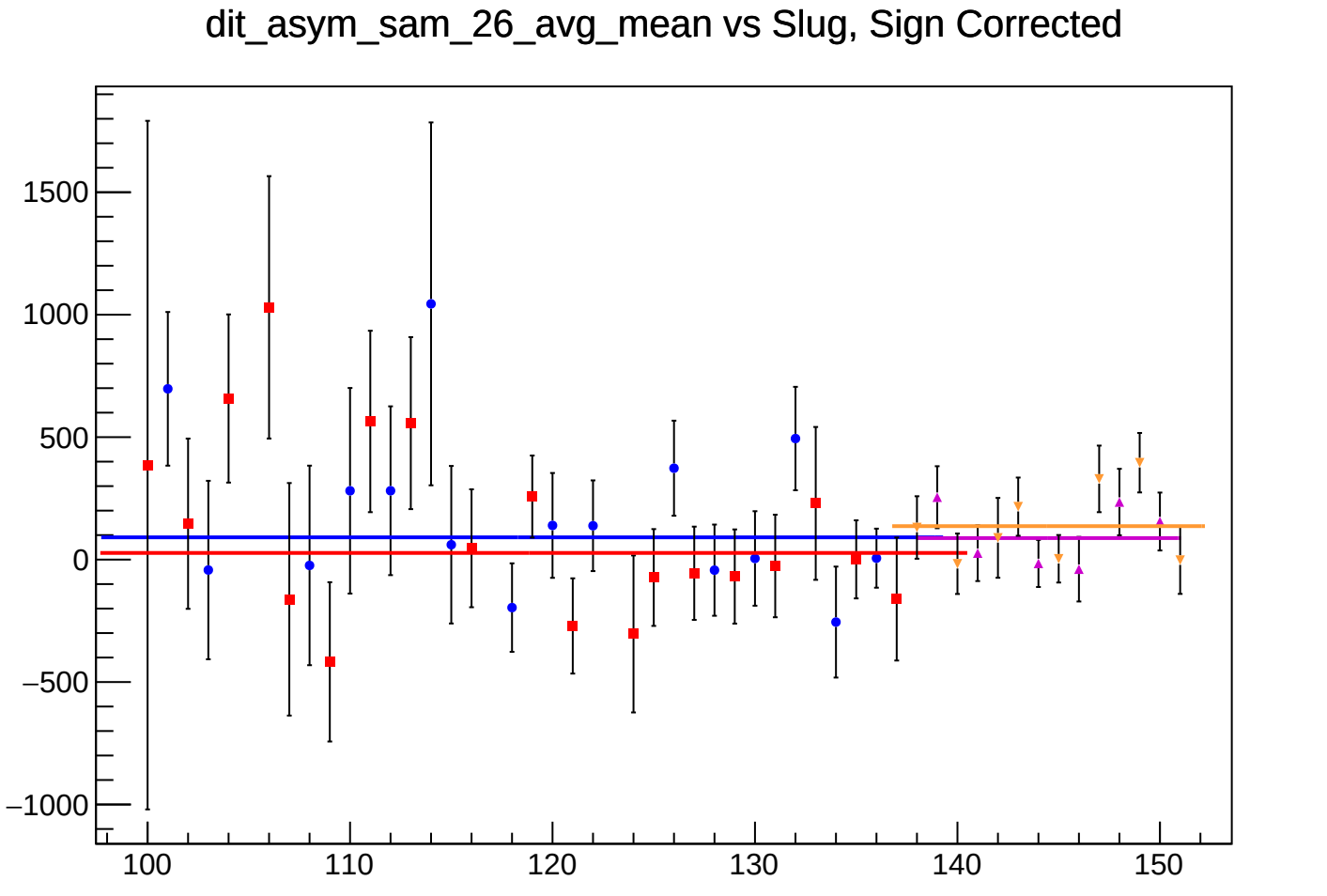
Left: 505.250+/-0.112 χ^2/NDF: 2124584.8/13

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 612.831+/-0.144 χ^2/NDF:6458847.2/21

Out: 647.801+/-0.145 χ^2/NDF:7108034.9/26

All: 630.142+/-0.102 χ^2/NDF: 13596183.7/48



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 136.556+/-44.010 χ^2/NDF:11.6/7

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 87.858+/-48.181 χ^2/NDF:5.6/5

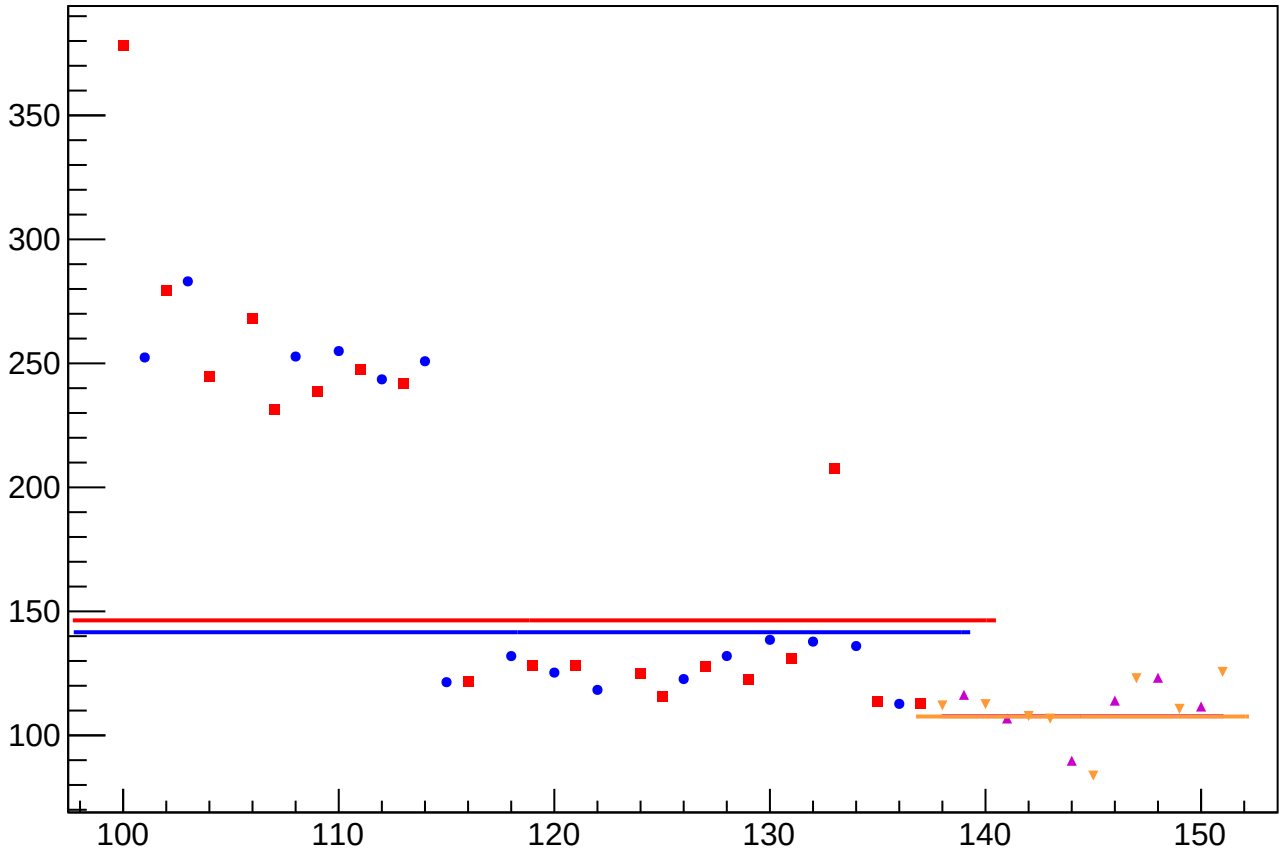
Left: 114.406+/-32.494 χ^2/NDF: 17.7/13

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 89.167+/-36.402 χ^2/NDF:23.7/21

Out: 95.716+/-34.838 χ^2/NDF:34.4/26

All: 92.585+/-25.169 χ^2/NDF: 58.1/48



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.603+/-0.031 χ^2/NDF:187663.1/7

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 107.757+/-0.034 χ^2/NDF:111894.6/5

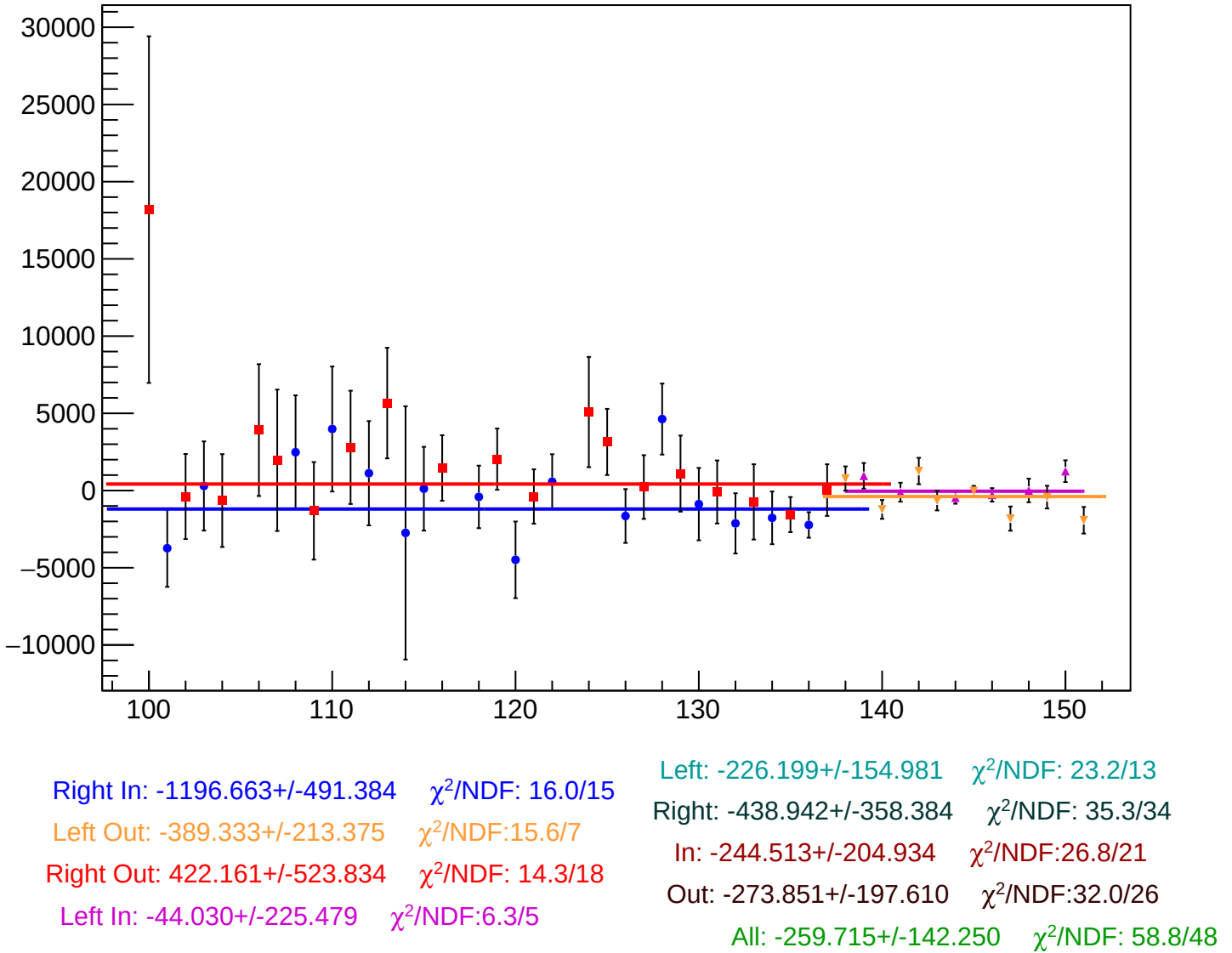
Left: 107.673+/-0.023 χ^2/NDF: 299568.8/13

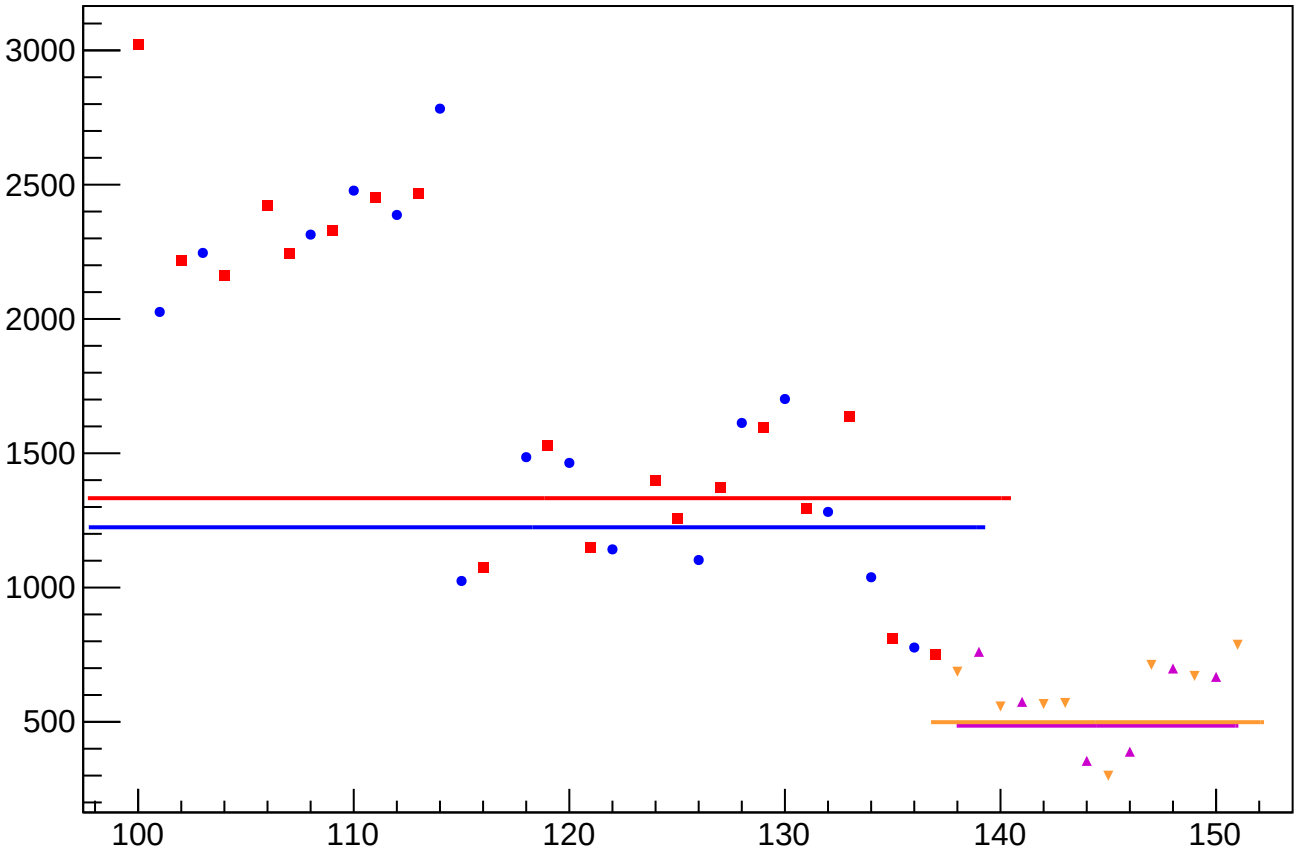
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 122.276+/-0.026 χ^2/NDF:1797423.9/21

Out: 122.077+/-0.025 χ^2/NDF:2280672.2/26

All: 122.172+/-0.018 χ^2/NDF: 4078127.4/48


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -389.333+/-213.375 χ²/NDF:15.6/7
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -44.030+/-225.479 χ²/NDF:6.3/5
Left: -226.199+/-154.981 χ²/NDF: 23.2/13
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -244.513+/-204.934 χ²/NDF:26.8/21
Out: -273.851+/-197.610 χ²/NDF:32.0/26
All: -259.715+/-142.250 χ²/NDF: 58.8/48



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 498.778+/-0.151 χ^2/NDF:1364921.1/7

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 485.841+/-0.159 χ^2/NDF:874694.1/5

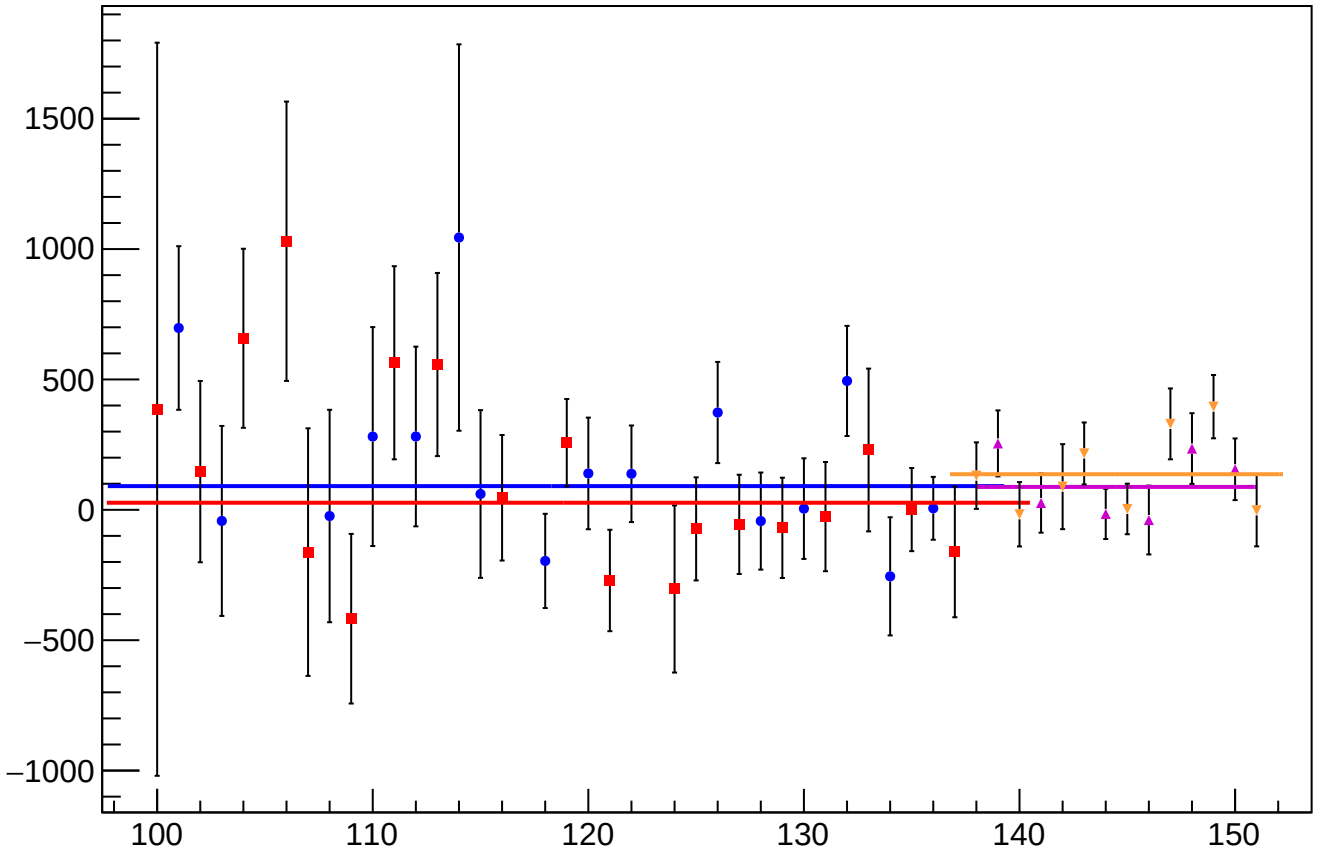
Left: 492.666+/-0.110 χ^2/NDF: 2243089.1/13

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 614.314+/-0.145 χ^2/NDF:6567039.0/21

Out: 617.464+/-0.140 χ^2/NDF:7707962.9/26

All: 615.946+/-0.101 χ^2/NDF: 14275246.9/48



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 136.555+/-44.010 χ^2/NDF:11.6/7

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 87.857+/-48.181 χ^2/NDF:5.6/5

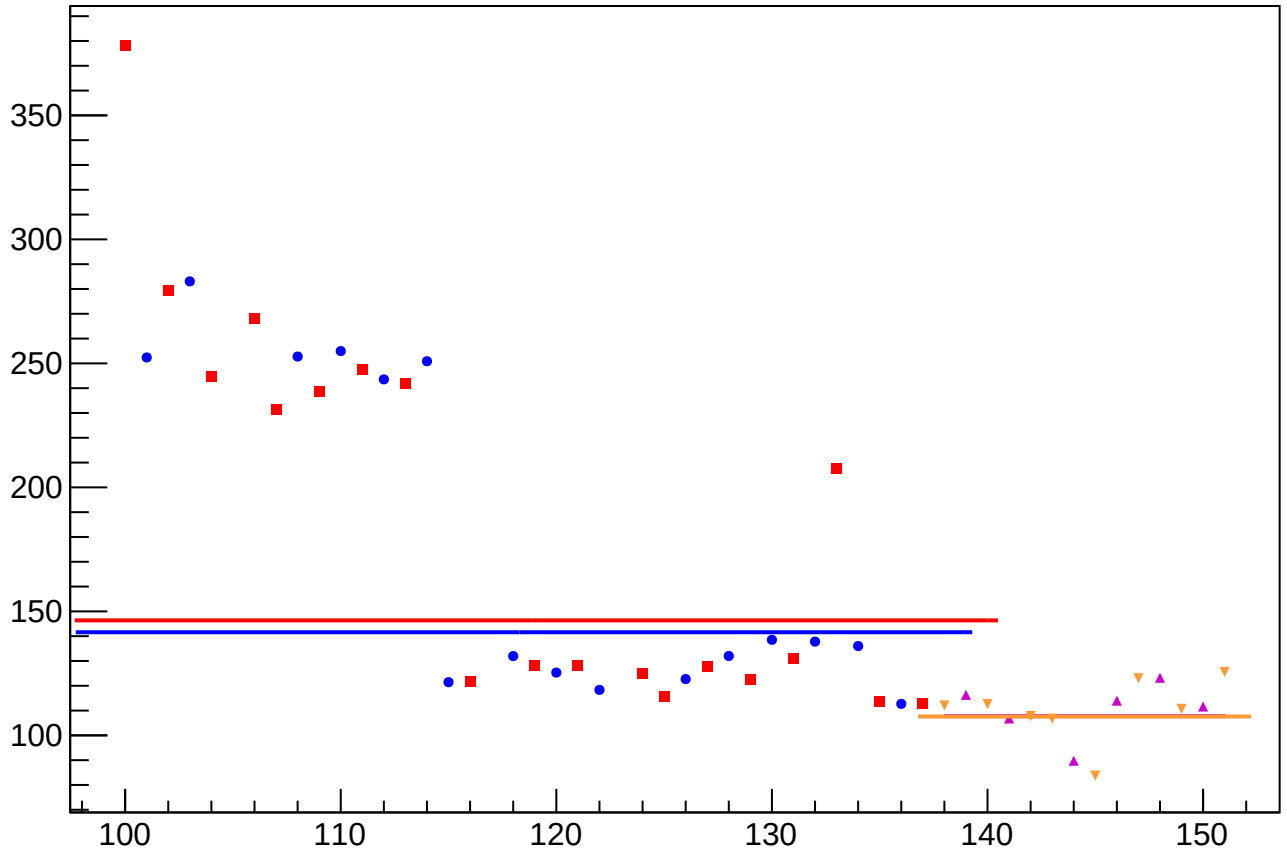
Left: 114.405+/-32.495 χ^2/NDF: 17.7/13

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 89.168+/-36.402 χ^2/NDF:23.7/21

Out: 95.715+/-34.838 χ^2/NDF:34.4/26

All: 92.585+/-25.169 χ^2/NDF: 58.1/48



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.604+/-0.031 χ^2/NDF:187655.2/7

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.758+/-0.034 χ^2/NDF:111891.6/5

Left: 107.674+/-0.023 χ^2/NDF: 299557.9/13

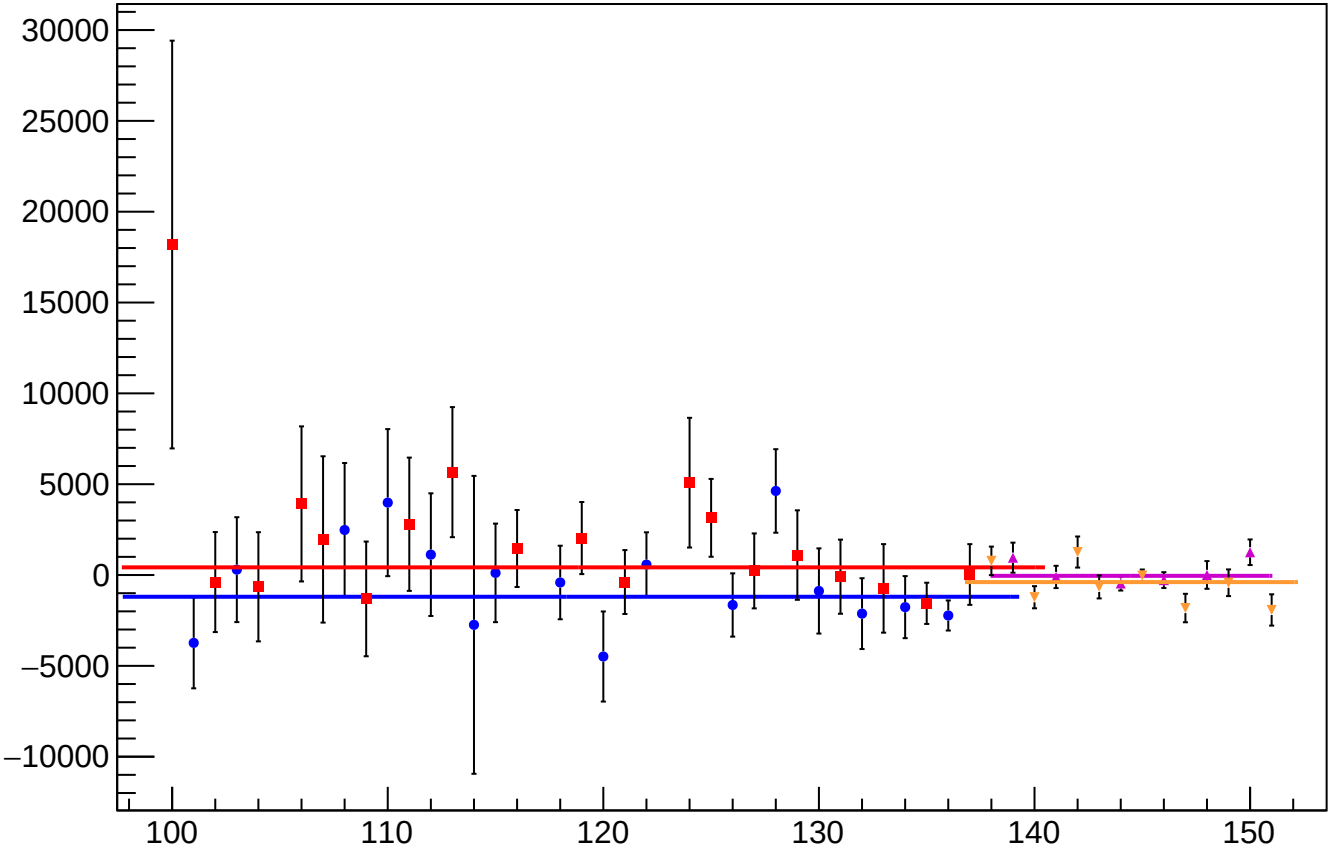
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 122.276+/-0.026 χ^2/NDF:1797374.9/21

Out: 122.077+/-0.025 χ^2/NDF:2280622.2/26

All: 122.172+/-0.018 χ^2/NDF: 4078028.3/48

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: -389.332+/-213.374 χ^2/NDF:15.6/7

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -44.031+/-225.479 χ^2/NDF:6.3/5

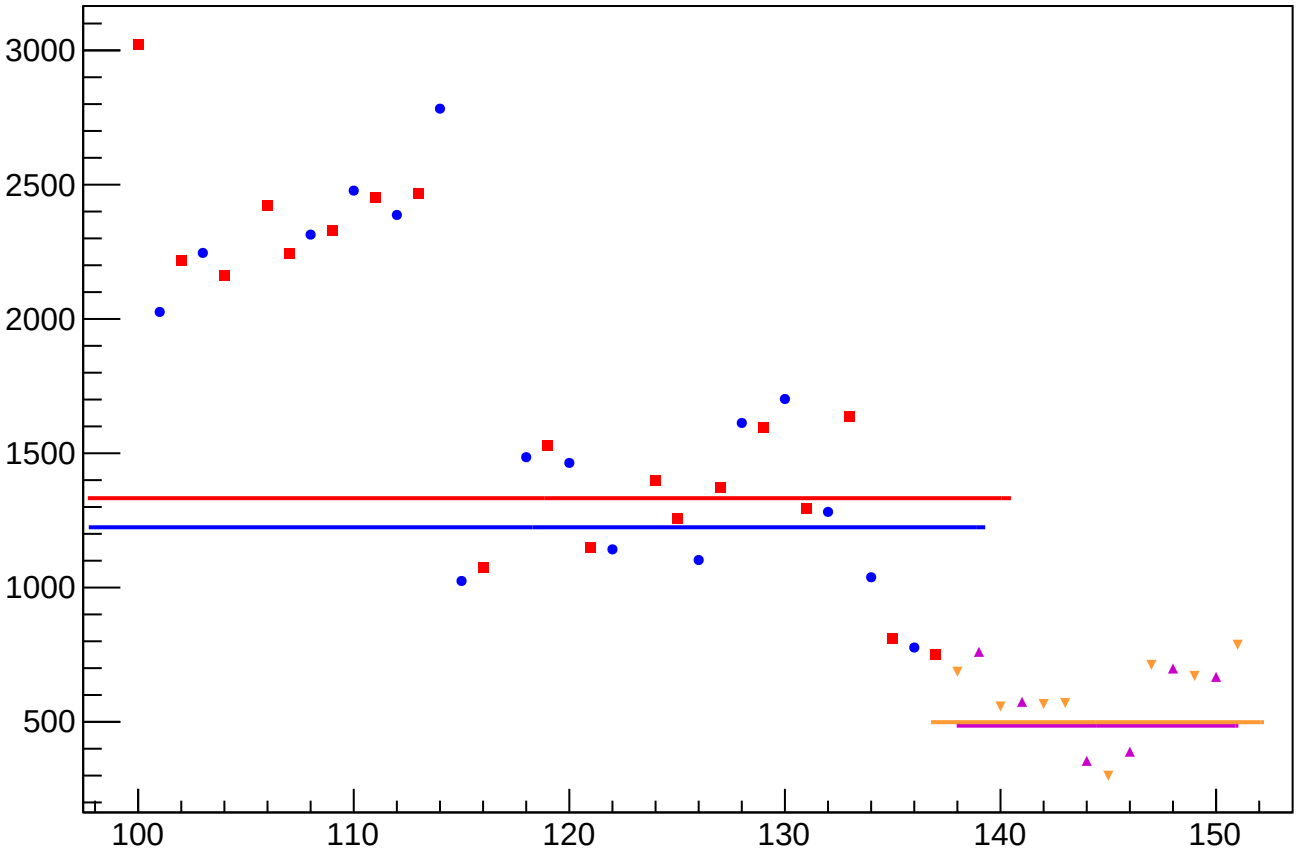
Left: -226.198+/-154.981 χ^2/NDF: 23.2/13

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -244.512+/-204.933 χ^2/NDF:26.8/21

Out: -273.850+/-197.609 χ^2/NDF:32.0/26

All: -259.715+/-142.250 χ^2/NDF: 58.8/48



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 498.776+/-0.151 χ^2/NDF:1364952.7/7

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 485.839+/-0.159 χ^2/NDF:874700.5/5

Left: 492.664+/-0.110 χ^2/NDF: 2243126.5/13

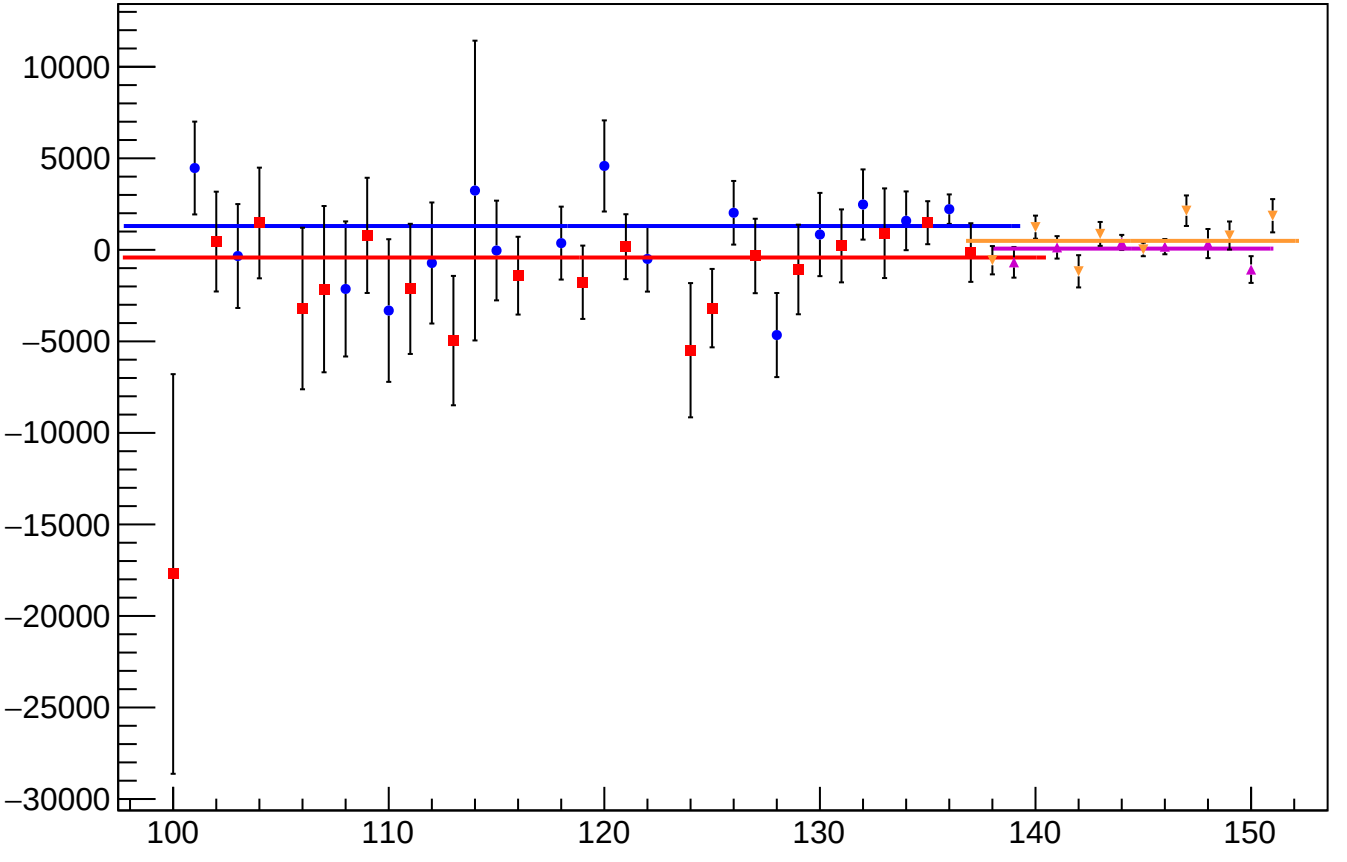
Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 614.312+/-0.145 χ^2/NDF:6567044.1/21

Out: 617.462+/-0.140 χ^2/NDF:7708010.0/26

All: 615.944+/-0.101 χ^2/NDF: 14275298.9/48

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 490.562+/-226.809 χ^2/NDF:15.1/7

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 67.451+/-228.408 χ^2/NDF:4.1/5

Left: 280.492+/-160.940 χ^2/NDF: 20.9/13

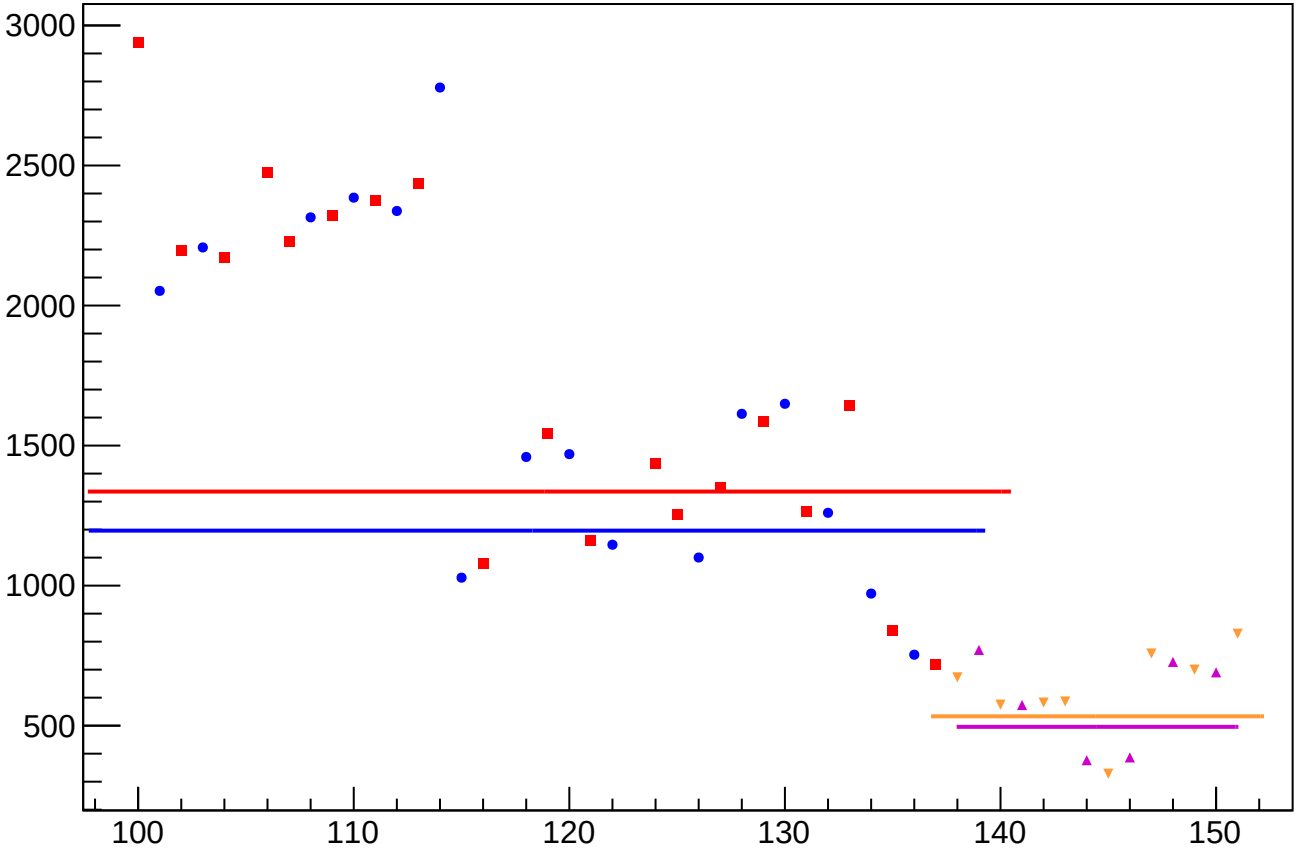
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 293.803+/-206.402 χ^2/NDF:25.9/21

Out: 347.393+/-208.179 χ^2/NDF:30.7/26

All: 320.368+/-146.573 χ^2/NDF: 56.6/48

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 533.351+/-0.160 χ^2/NDF:1153268.1/7

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 495.823+/-0.162 χ^2/NDF:862820.8/5

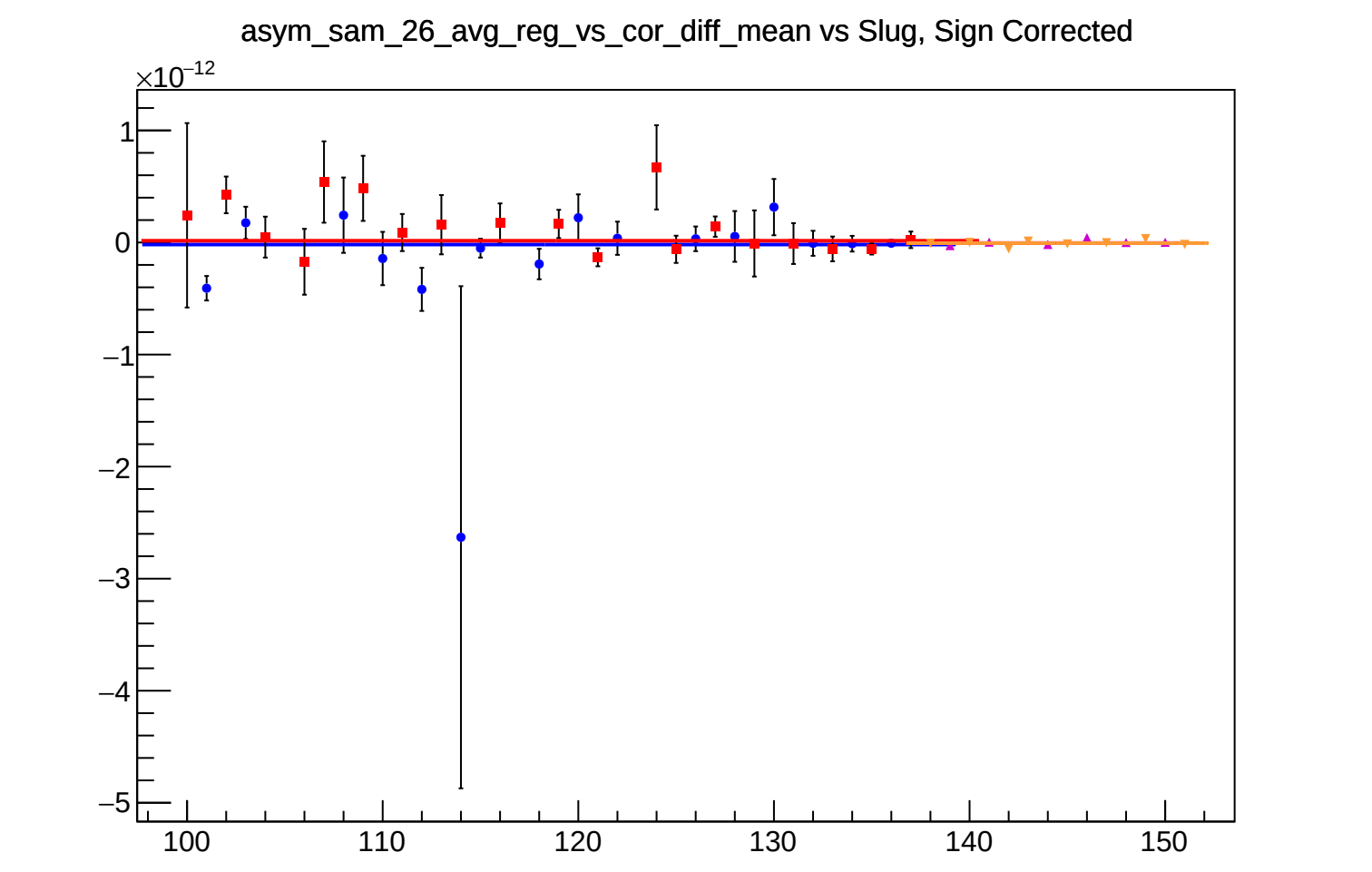
Left: 514.719+/-0.114 χ^2/NDF: 2043273.8/13

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 624.303+/-0.146 χ^2/NDF:6344942.7/21

Out: 659.761+/-0.147 χ^2/NDF:7048529.7/26

All: 641.880+/-0.104 χ^2/NDF: 13422731.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/5

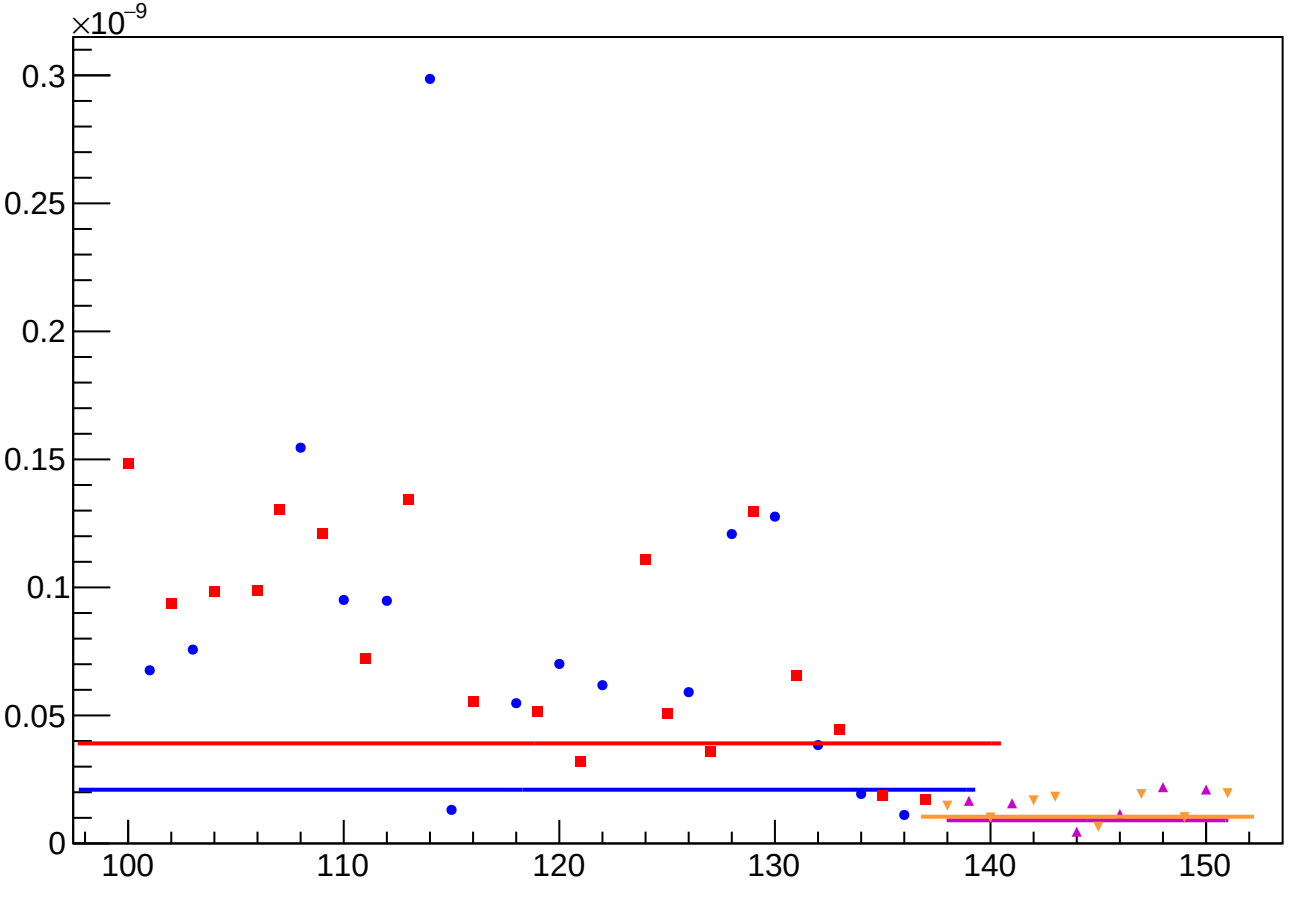
Left: -0.000+/-0.000 χ^2/NDF: 15.8/13

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:37.0/21

Out: -0.000+/-0.000 χ^2/NDF:32.3/26

All: -0.000+/-0.000 χ^2/NDF: 69.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:816127.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1279592.7/5

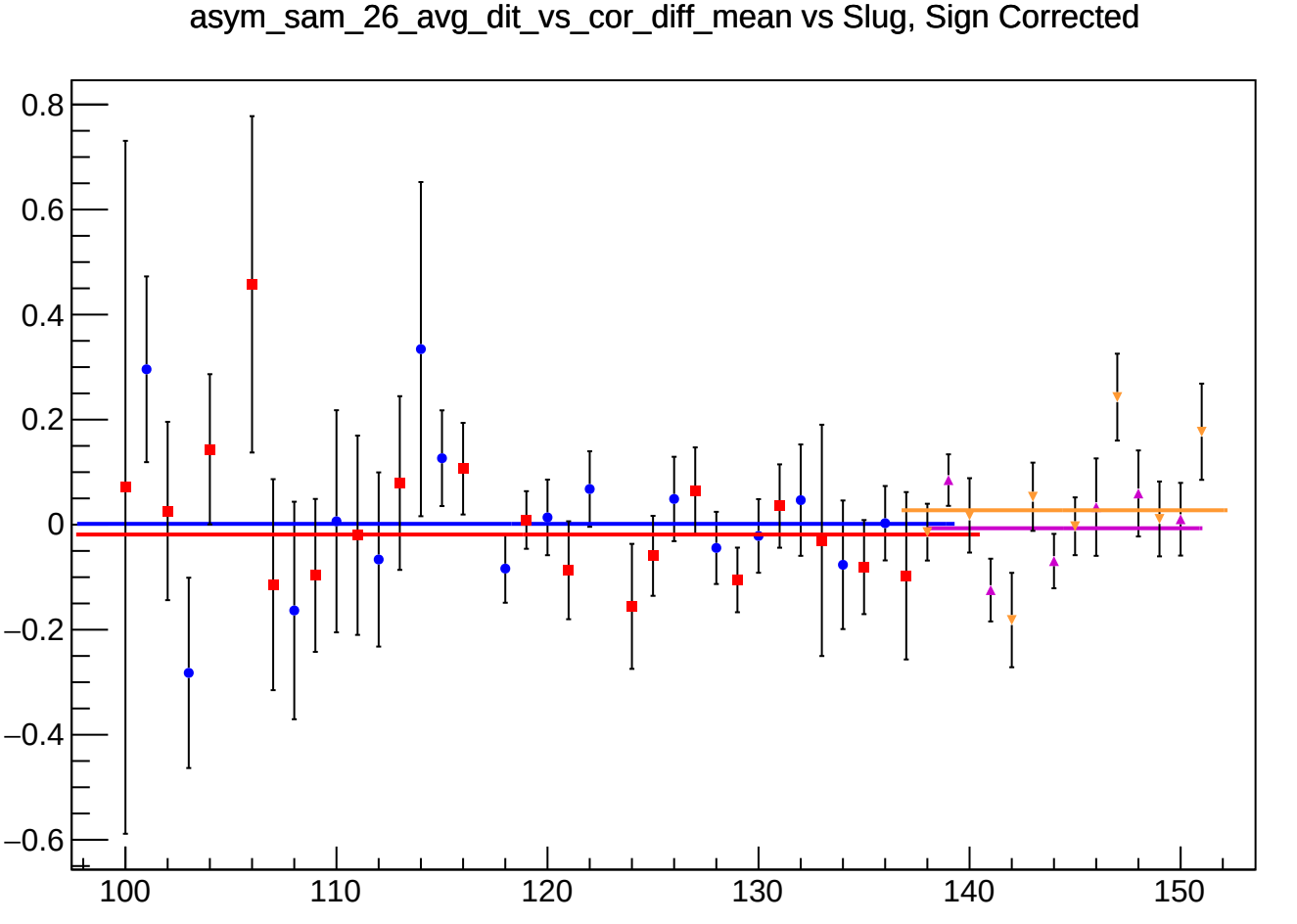
Left: 0.000+/-0.000 χ^2/NDF: 2132498.2/13

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5428769.1/21

Out: 0.000+/-0.000 χ^2/NDF:4906616.6/26

All: 0.000+/-0.000 χ^2/NDF: 10383125.9/48


asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
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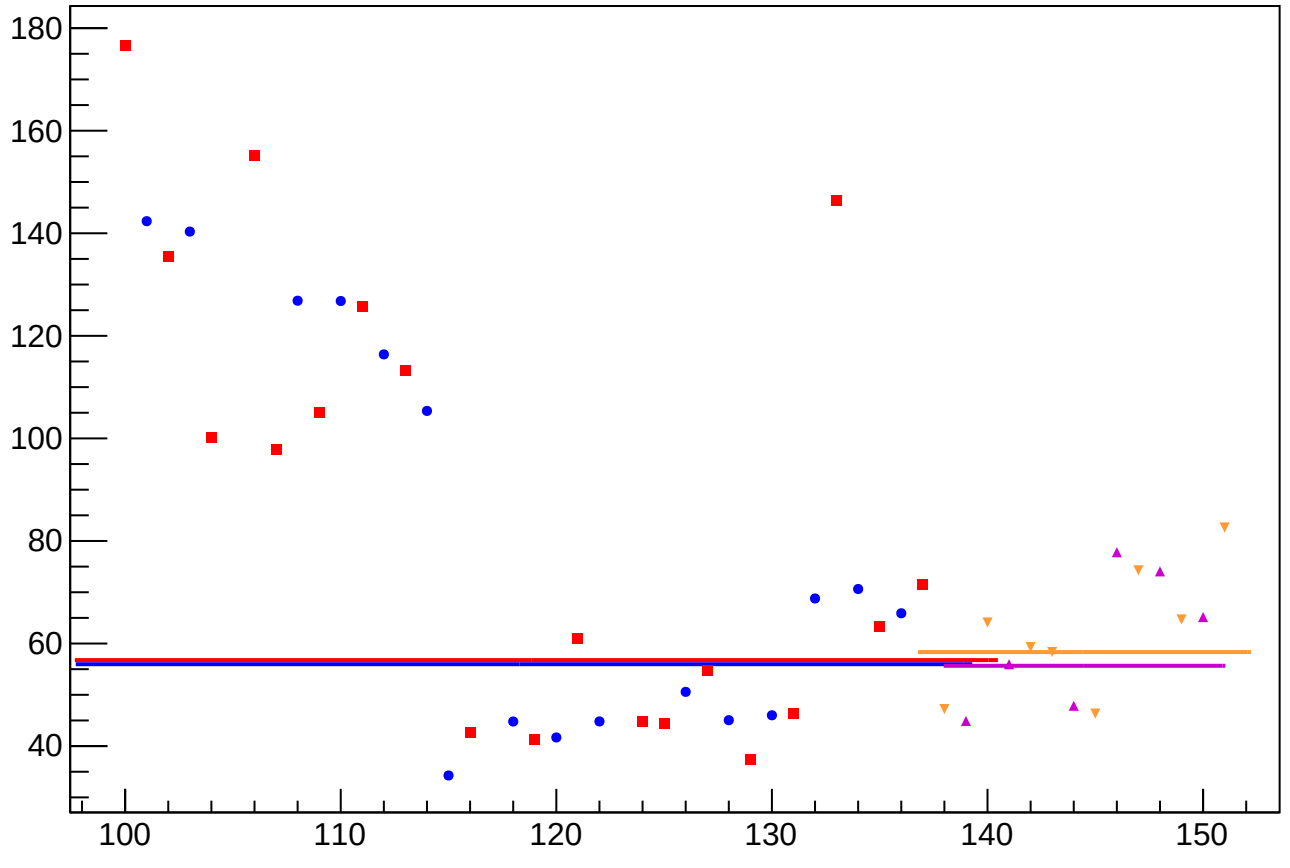
150
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.027+/-0.024 χ²/NDF:16.0/7
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.007+/-0.025 χ²/NDF:9.7/5
Left: 0.011+/-0.018 χ²/NDF: 26.7/13
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.002+/-0.017 χ²/NDF:22.9/21
Out: 0.004+/-0.017 χ²/NDF:30.9/26
All: 0.001+/-0.012 χ²/NDF: 53.9/48



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.331+/-0.017 χ^2/NDF:423792.6/7

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 55.662+/-0.018 χ^2/NDF:394667.8/5

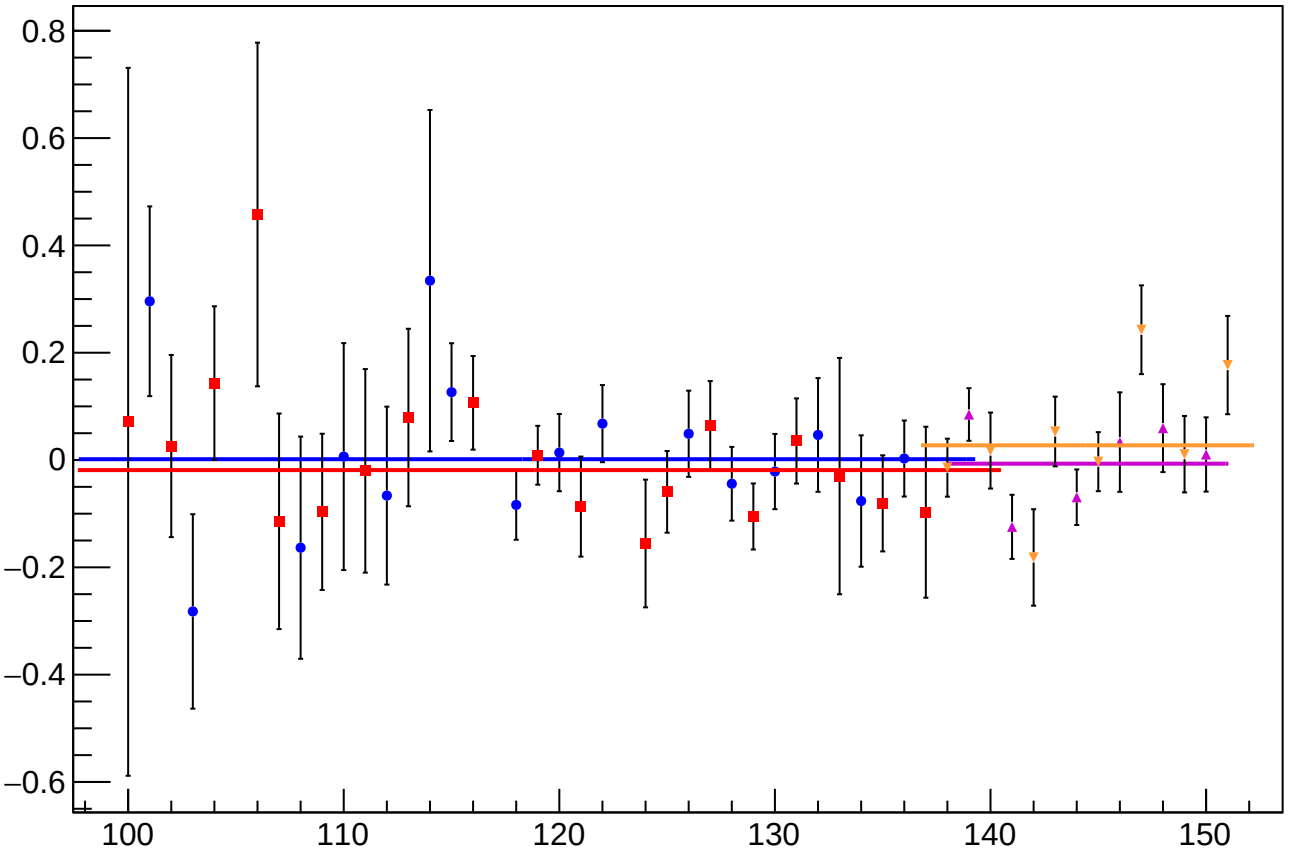
Left: 57.059+/-0.012 χ^2/NDF: 829967.4/13

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.828+/-0.012 χ^2/NDF:2574654.0/21

Out: 57.525+/-0.012 χ^2/NDF:2981277.3/26

All: 56.693+/-0.009 χ^2/NDF: 5565825.0/48


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
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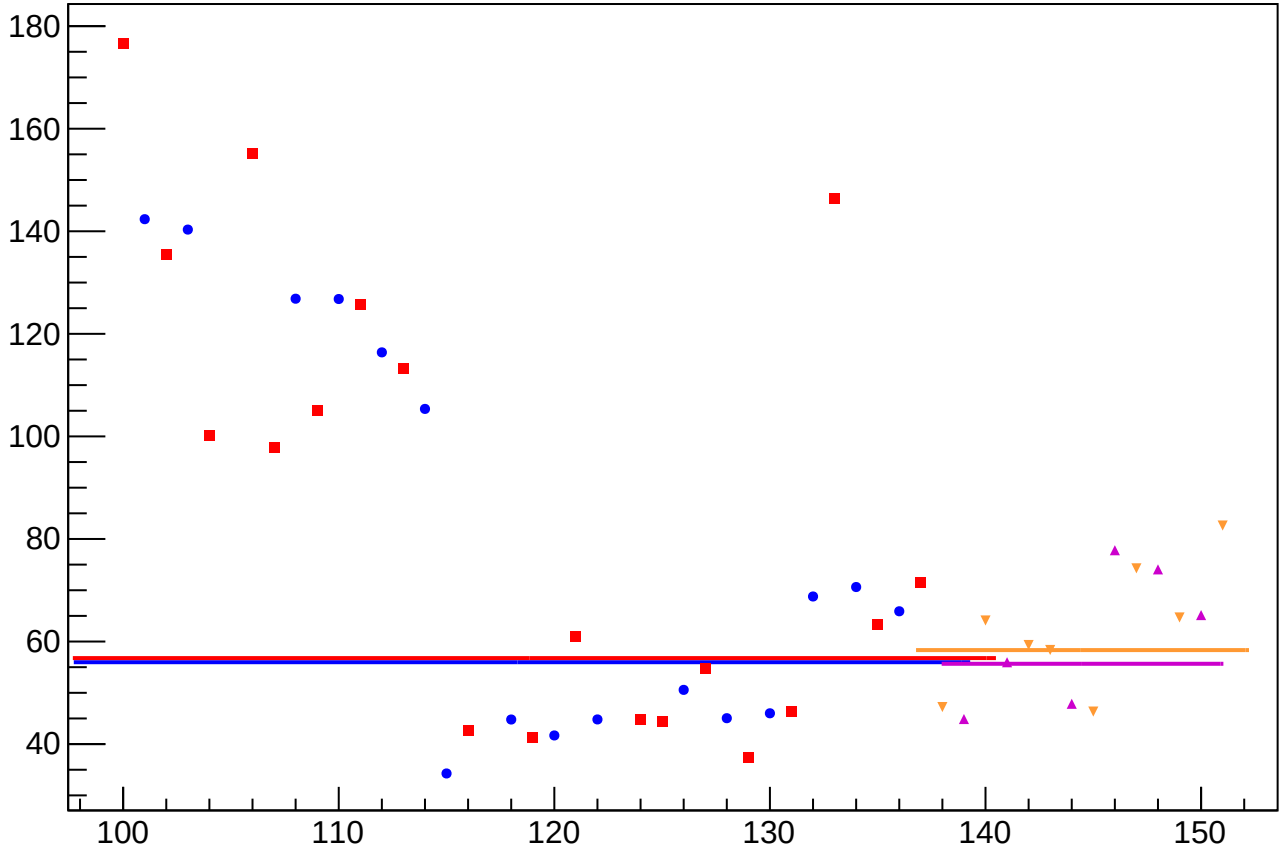
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.027+/-0.024 χ²/NDF:16.0/7
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.007+/-0.025 χ²/NDF:9.7/5
Left: 0.011+/-0.018 χ²/NDF: 26.7/13
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.002+/-0.017 χ²/NDF:22.9/21
Out: 0.004+/-0.017 χ²/NDF:30.9/26
All: 0.001+/-0.012 χ²/NDF: 53.9/48

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.331+/-0.017 χ^2/NDF:423792.6/7

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 55.662+/-0.018 χ^2/NDF:394667.8/5

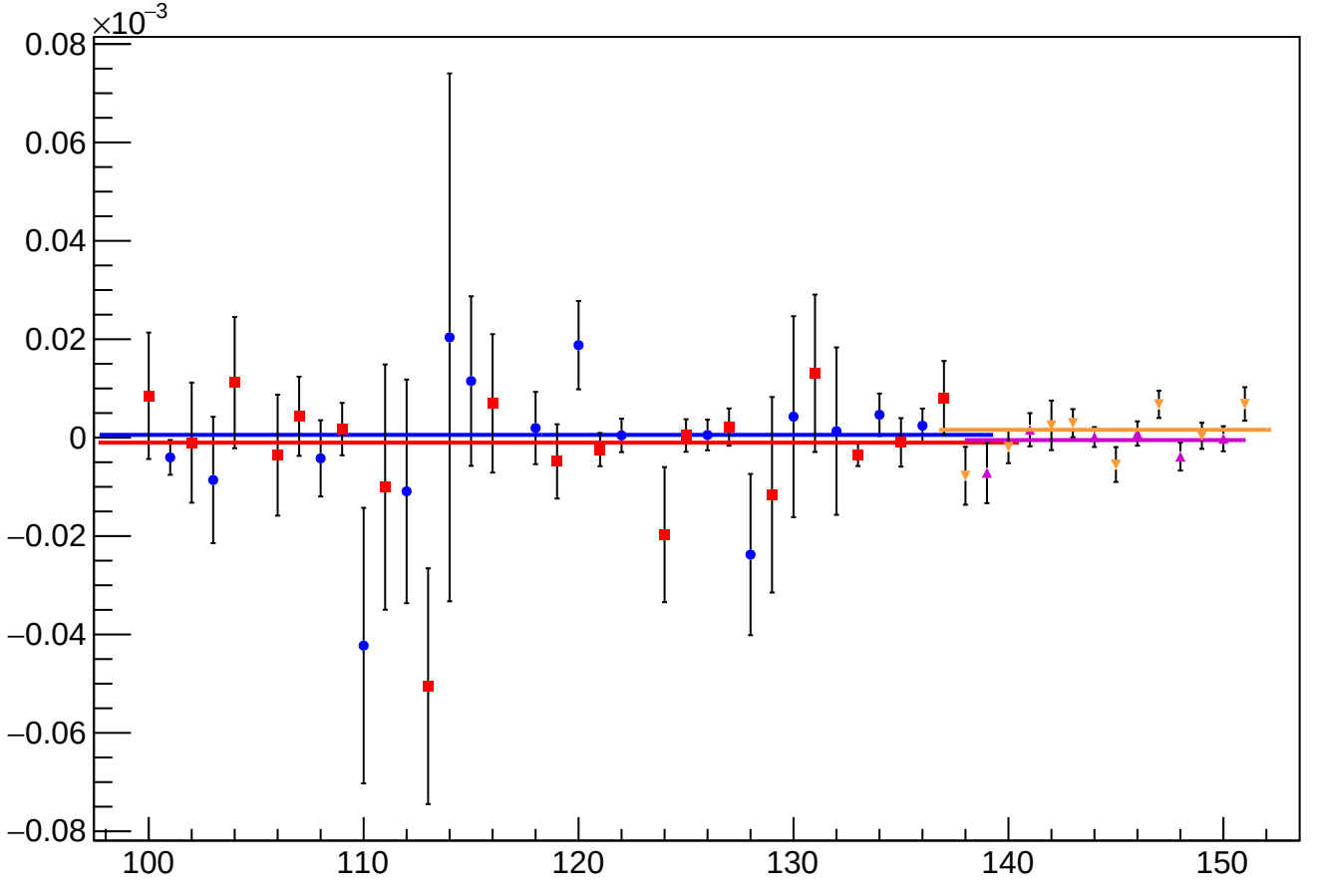
Left: 57.059+/-0.012 χ^2/NDF: 829967.4/13

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.828+/-0.012 χ^2/NDF:2574654.0/21

Out: 57.525+/-0.012 χ^2/NDF:2981277.3/26

All: 56.693+/-0.009 χ^2/NDF: 5565825.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/5

Left: 0.000+/-0.000 χ^2/NDF: 18.9/13

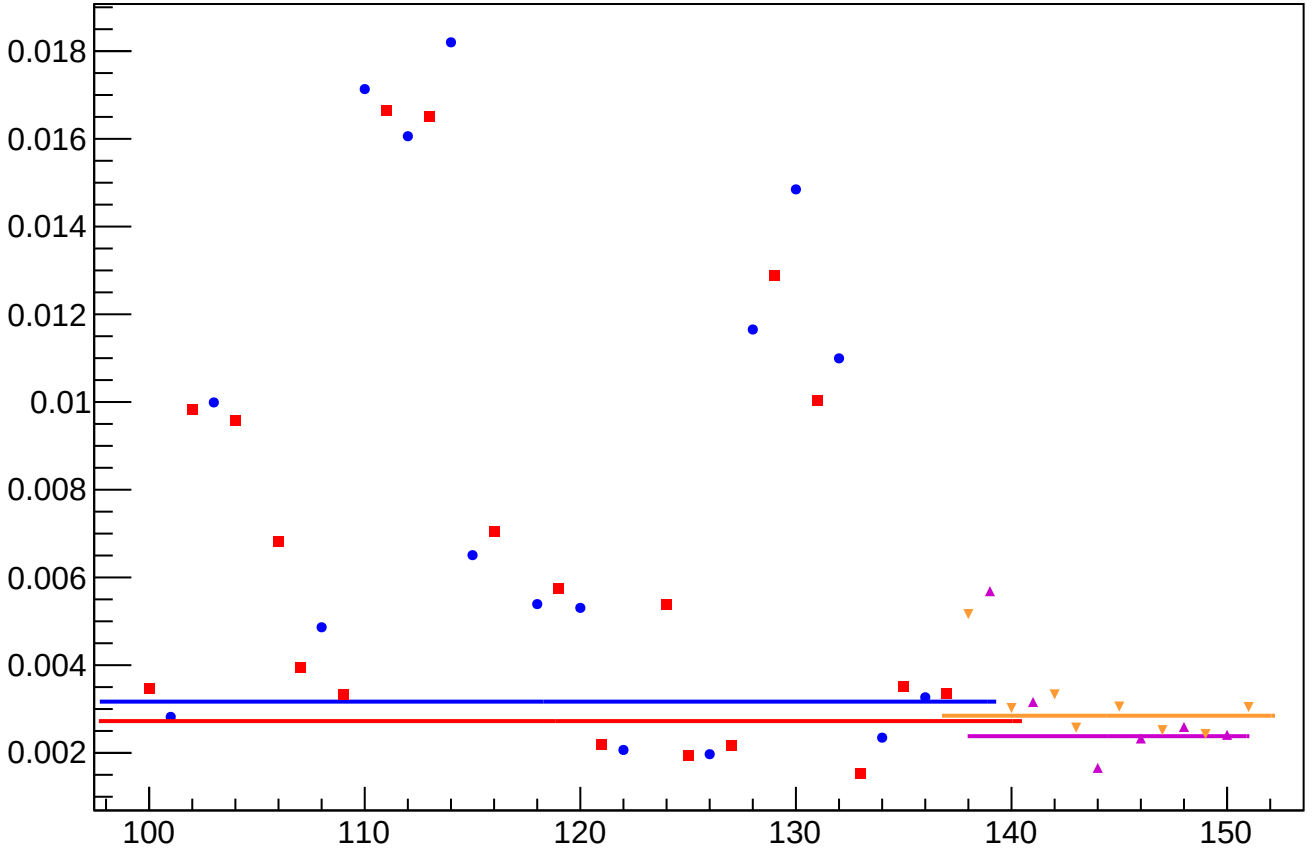
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:17.0/21

Out: 0.000+/-0.000 χ^2/NDF:30.0/26

All: 0.000+/-0.000 χ^2/NDF: 47.1/48

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:443158.5/7

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:947507.2/5

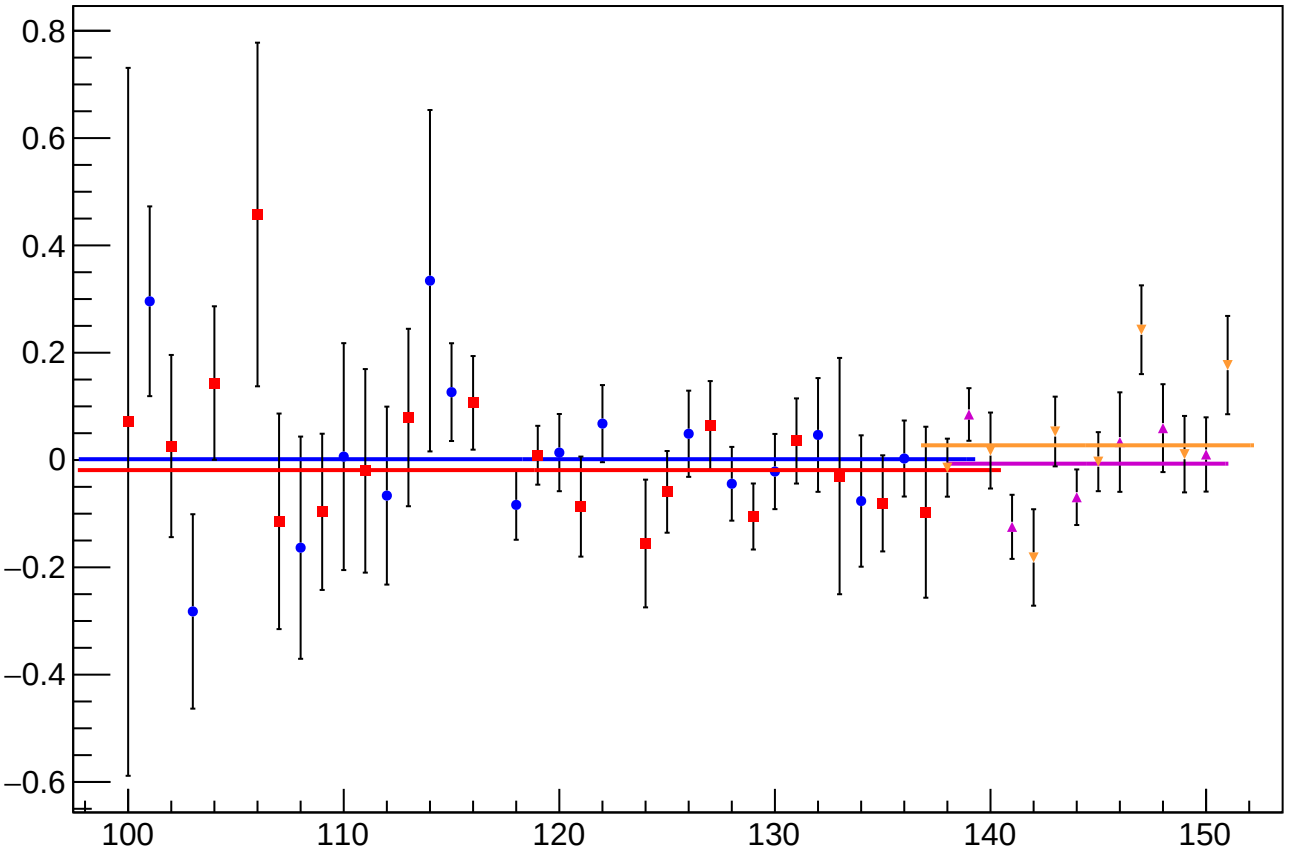
Left: 0.003+/-0.000 χ^2/NDF: 1555991.6/13

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:5864453.3/21

Out: 0.003+/-0.000 χ^2/NDF:5606416.1/26

All: 0.003+/-0.000 χ^2/NDF: 11488560.2/48


asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
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0.2
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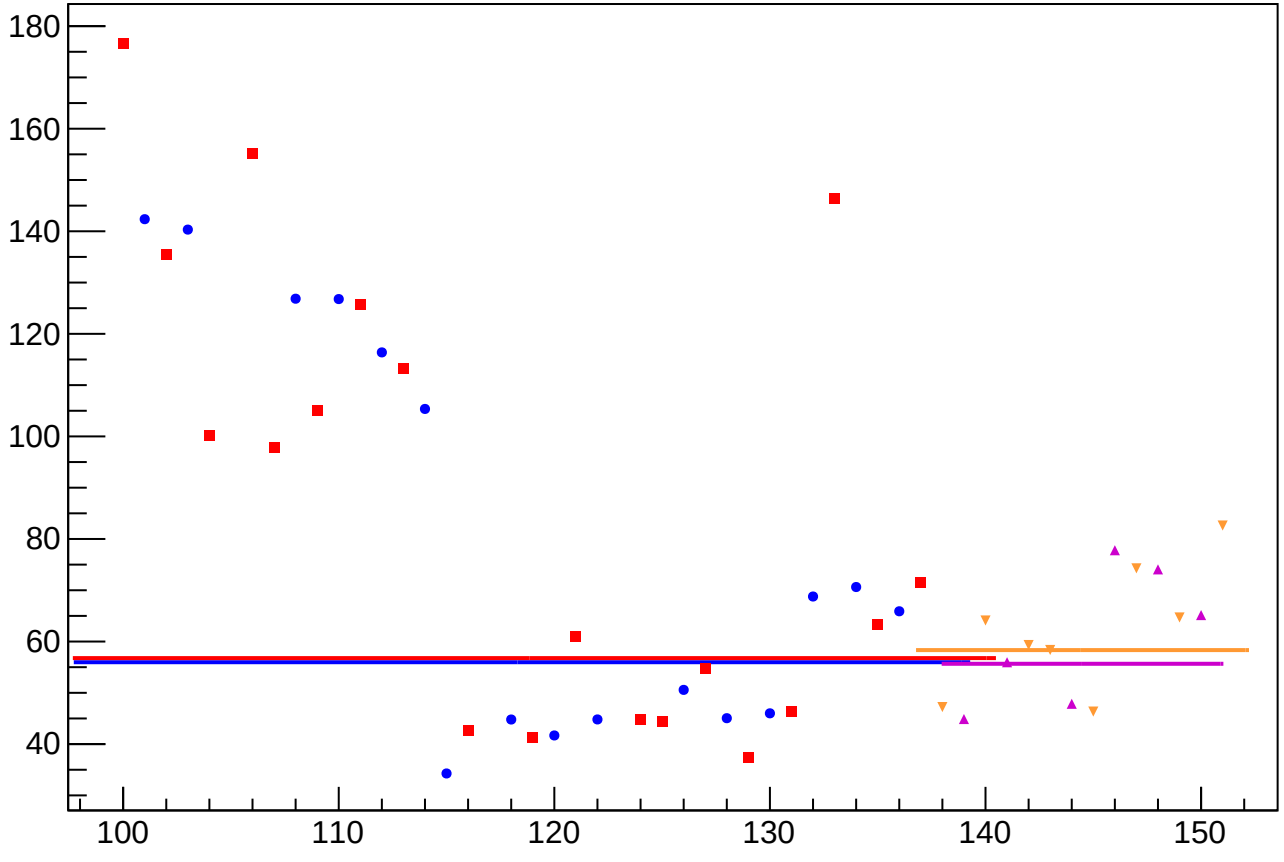
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.027+/-0.024 χ²/NDF:16.0/7
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.007+/-0.025 χ²/NDF:9.7/5
Left: 0.011+/-0.018 χ²/NDF: 26.7/13
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.002+/-0.017 χ²/NDF:22.9/21
Out: 0.004+/-0.017 χ²/NDF:30.9/26
All: 0.001+/-0.012 χ²/NDF: 53.9/48

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.332+/-0.017 χ^2/NDF:423790.8/7

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 55.663+/-0.018 χ^2/NDF:394665.2/5

Left: 57.060+/-0.012 χ^2/NDF: 829962.6/13

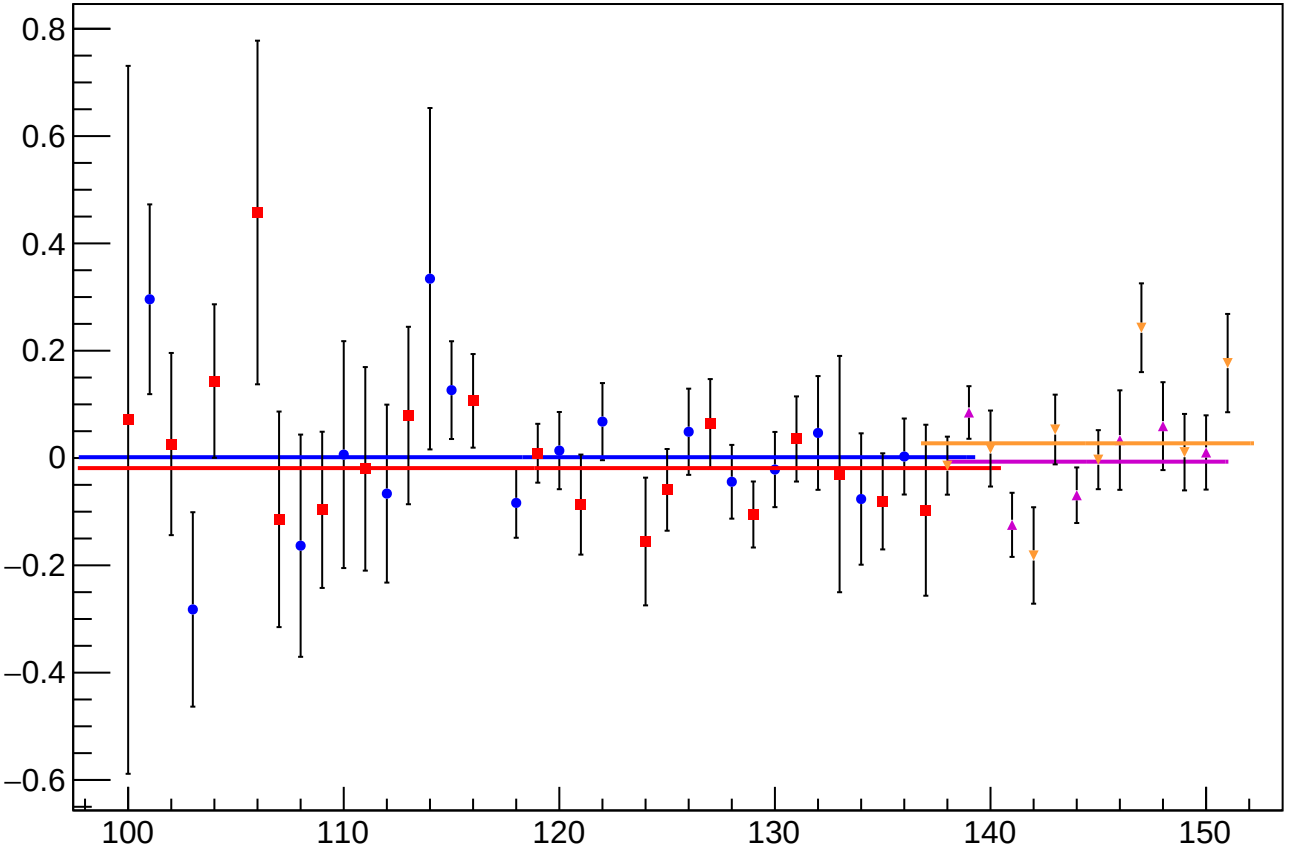
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.828+/-0.012 χ^2/NDF:2574578.5/21

Out: 57.525+/-0.012 χ^2/NDF:2981227.5/26

All: 56.694+/-0.009 χ^2/NDF: 5565698.4/48

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.027+/-0.024 χ^2/NDF:16.0/7

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.007+/-0.025 χ^2/NDF:9.7/5

Left: 0.011+/-0.018 χ^2/NDF: 26.7/13

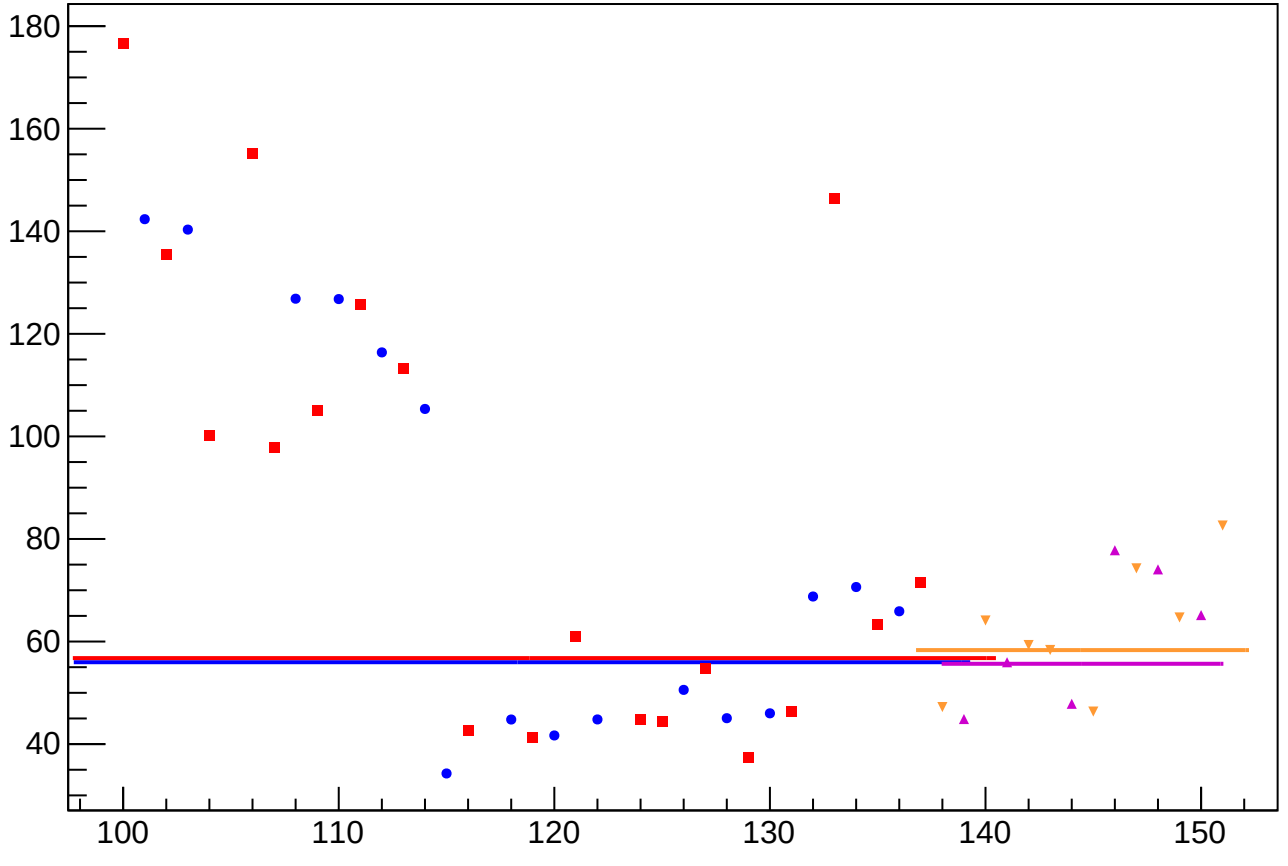
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.017 χ^2/NDF:22.9/21

Out: 0.004+/-0.017 χ^2/NDF:30.9/26

All: 0.001+/-0.012 χ^2/NDF: 53.9/48

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.332+/-0.017 χ^2/NDF:423790.8/7

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 55.663+/-0.018 χ^2/NDF:394665.2/5

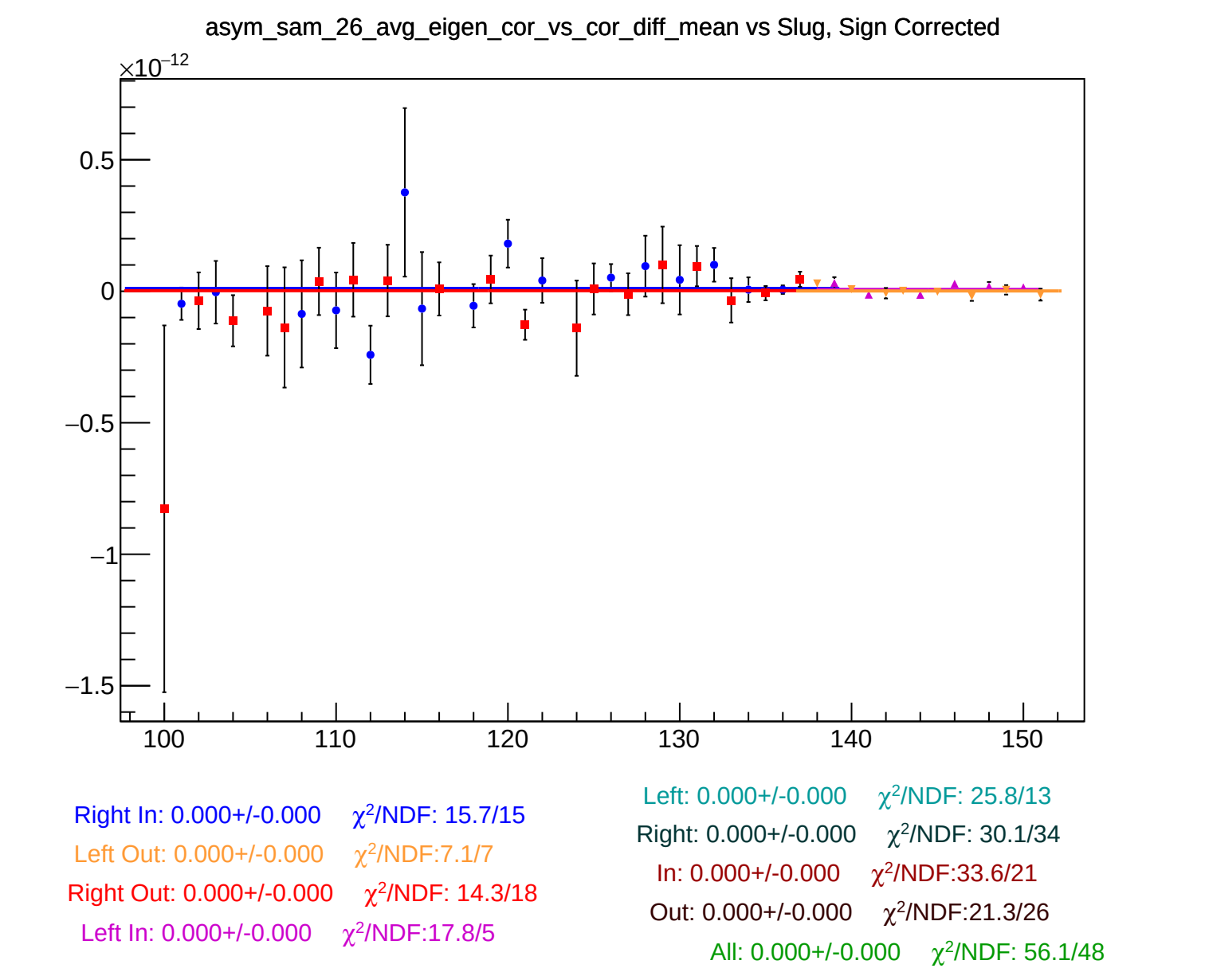
Left: 57.060+/-0.012 χ^2/NDF: 829962.6/13

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.828+/-0.012 χ^2/NDF:2574578.5/21

Out: 57.525+/-0.012 χ^2/NDF:2981227.5/26

All: 56.694+/-0.009 χ^2/NDF: 5565698.4/48


asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
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−0.5
−1
−1.5
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110
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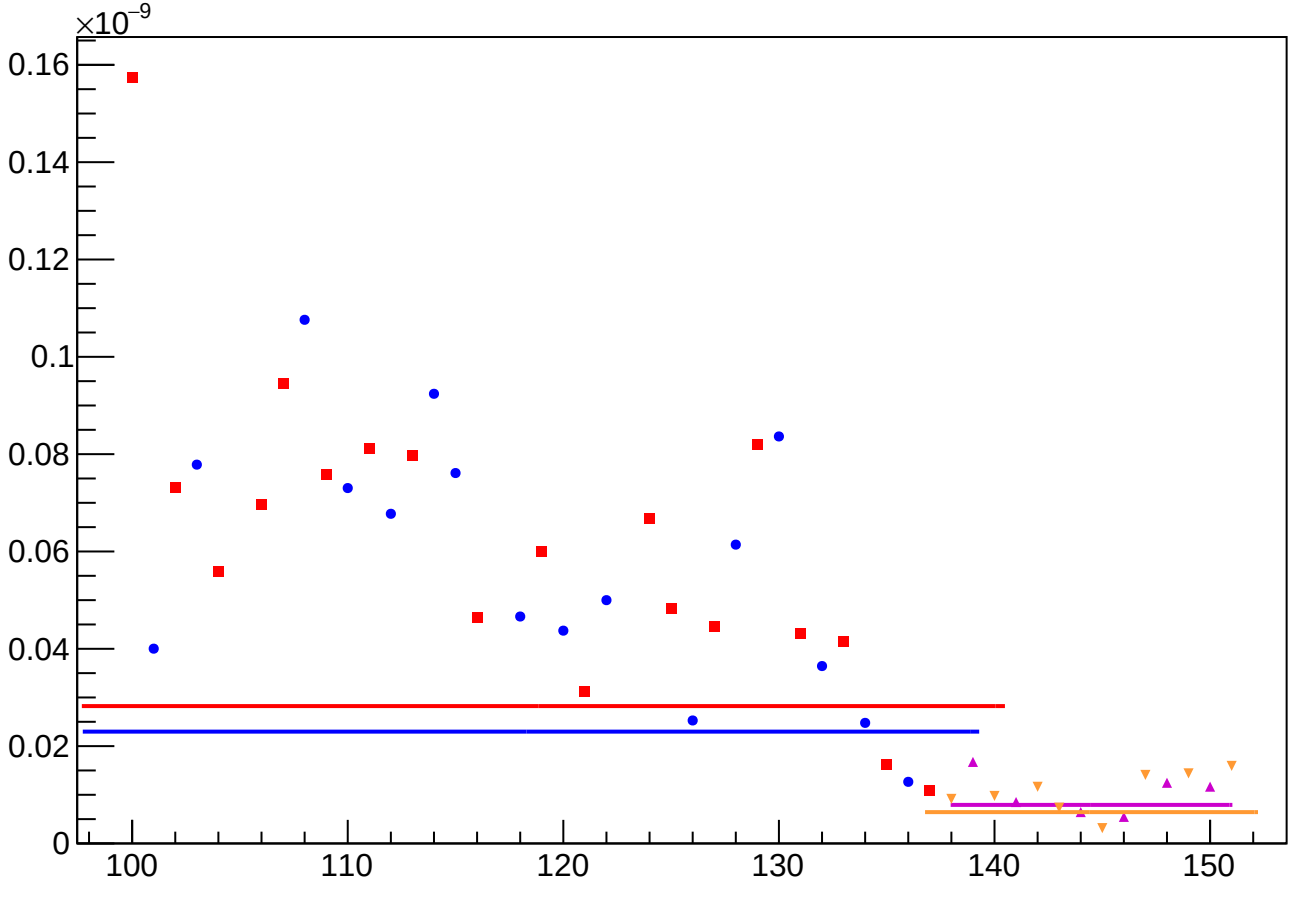
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 15.7/15
Left Out: 0.000+/-0.000 χ²/NDF:7.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 14.3/18
Left In: 0.000+/-0.000 χ²/NDF:17.8/5
Left: 0.000+/-0.000 χ²/NDF: 25.8/13
Right: 0.000+/-0.000 χ²/NDF: 30.1/34
In: 0.000+/-0.000 χ²/NDF:33.6/21
Out: 0.000+/-0.000 χ²/NDF:21.3/26
All: 0.000+/-0.000 χ²/NDF: 56.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2325308.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:843915.8/5

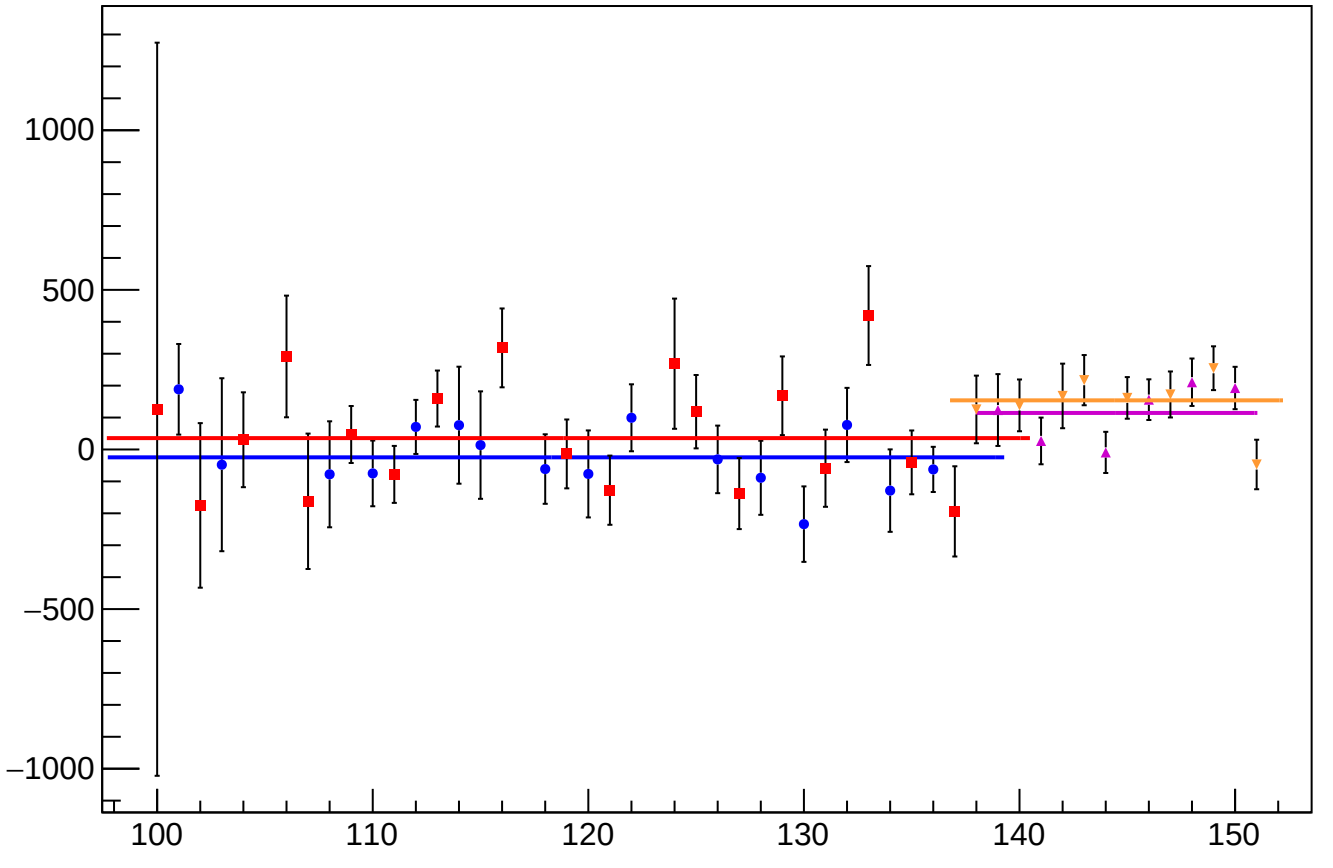
Left: 0.000+/-0.000 χ^2/NDF: 3293592.6/13

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:6969937.6/21

Out: 0.000+/-0.000 χ^2/NDF:9878214.6/26

All: 0.000+/-0.000 χ^2/NDF: 17090443.4/48



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 153.894+/-27.660 χ^2/NDF:9.7/7

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 114.431+/-29.345 χ^2/NDF:8.6/5

Left: 135.327+/-20.128 χ^2/NDF: 19.3/13

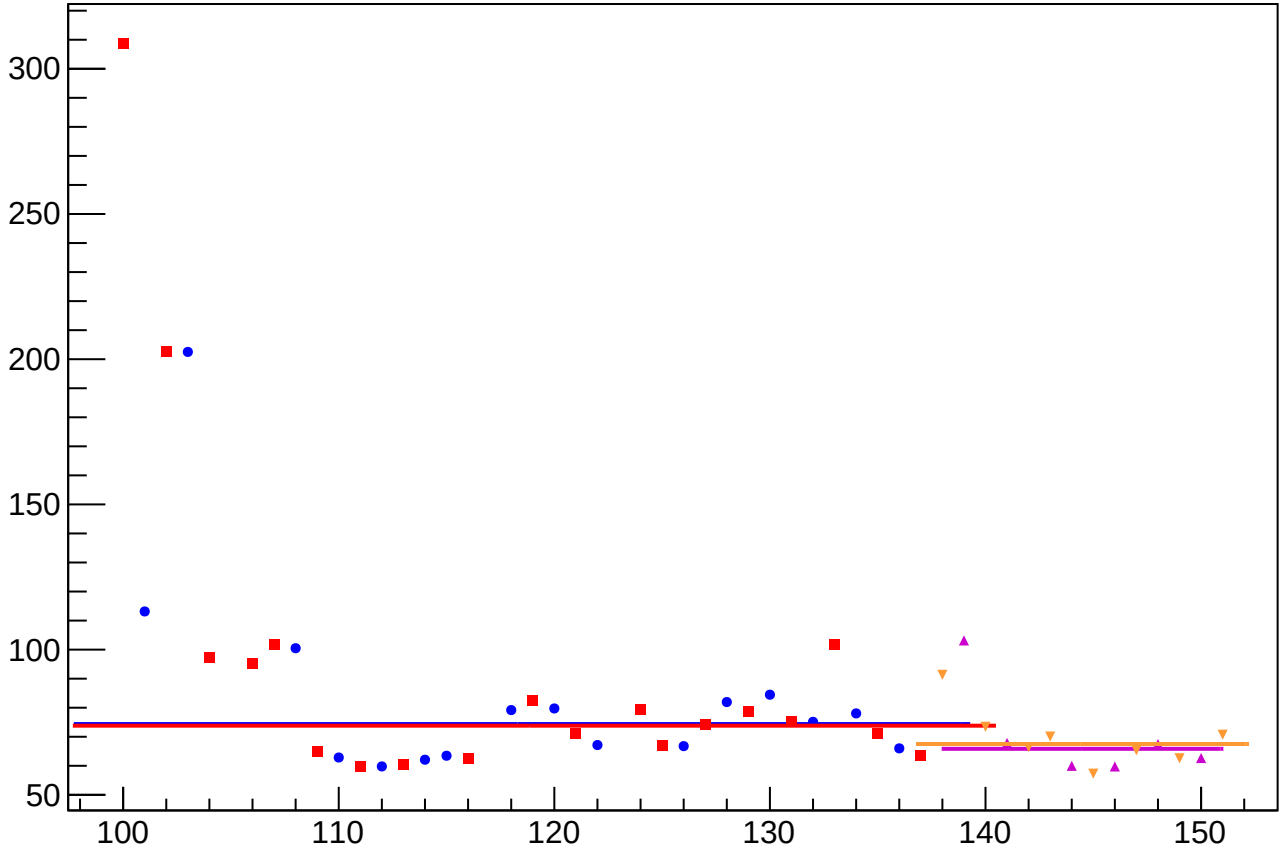
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 43.868+/-20.595 χ^2/NDF:31.0/21

Out: 96.412+/-19.834 χ^2/NDF:48.7/26

All: 71.130+/-14.286 χ^2/NDF: 83.1/48

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.505+/-0.020 χ^2/NDF:178636.4/7

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.847+/-0.021 χ^2/NDF:261672.2/5

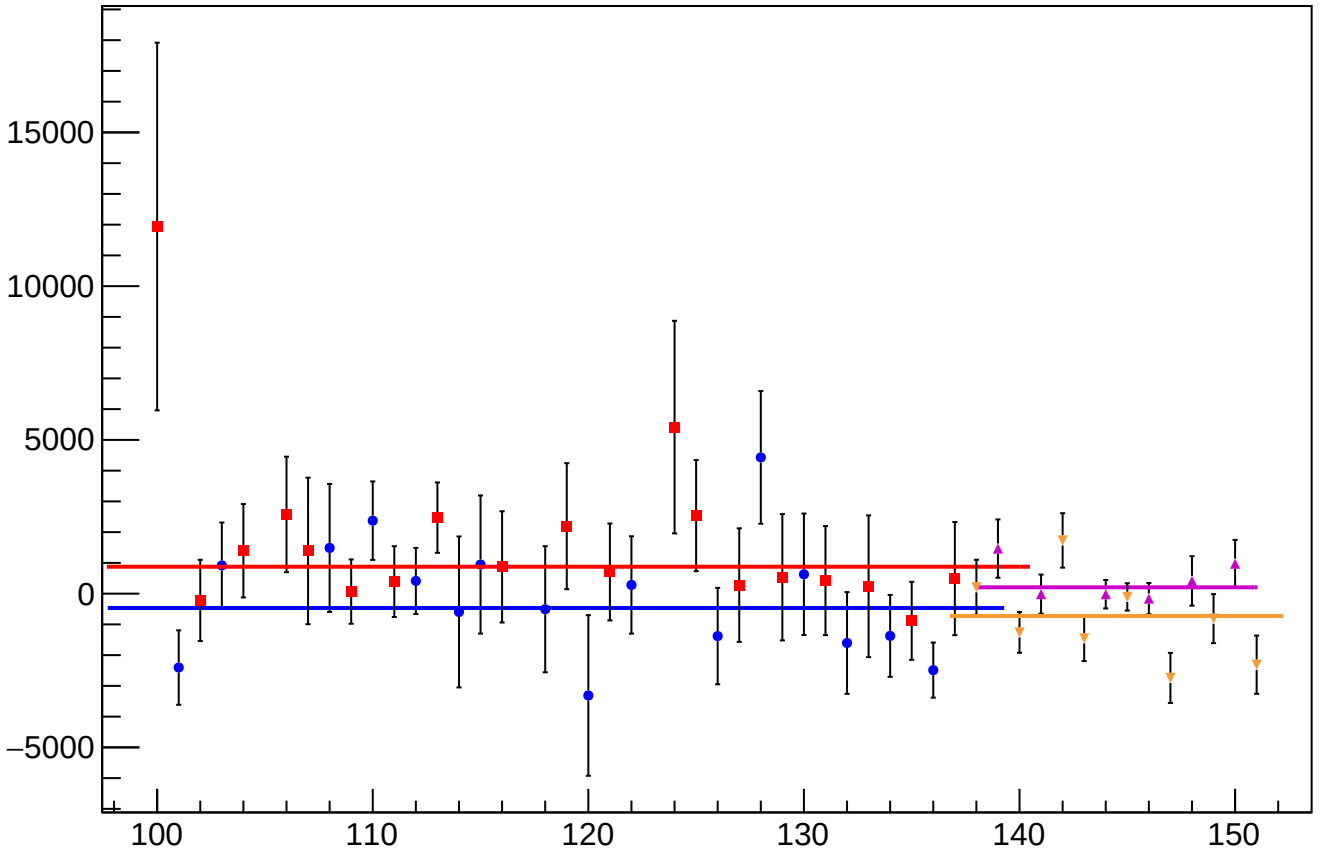
Left: 66.725+/-0.014 χ^2/NDF: 443689.5/13

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 70.171+/-0.015 χ^2/NDF:1174842.3/21

Out: 70.571+/-0.014 χ^2/NDF:1161151.2/26

All: 70.378+/-0.010 χ^2/NDF: 2336383.9/48



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -728.381+/-250.817 χ^2/NDF:21.3/7

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 205.237+/-255.316 χ^2/NDF:3.7/5

Left: -269.869+/-178.924 χ^2/NDF: 31.8/13

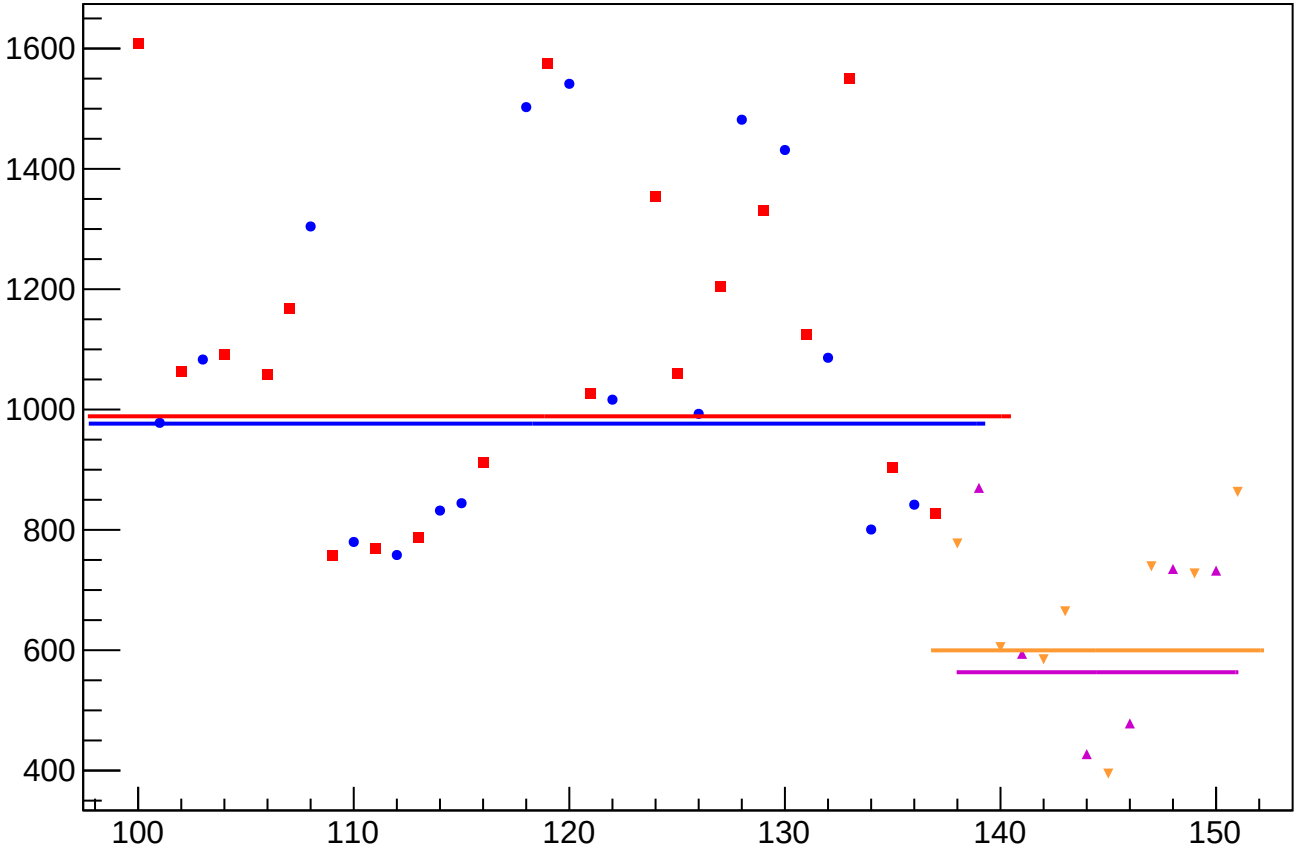
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -7.505+/-211.050 χ^2/NDF:29.6/21

Out: -227.615+/-208.005 χ^2/NDF:47.1/26

All: -119.160+/-148.147 χ^2/NDF: 77.2/48

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 599.744+/-0.177 χ^2/NDF:785792.3/7

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 563.395+/-0.181 χ^2/NDF:628837.0/5

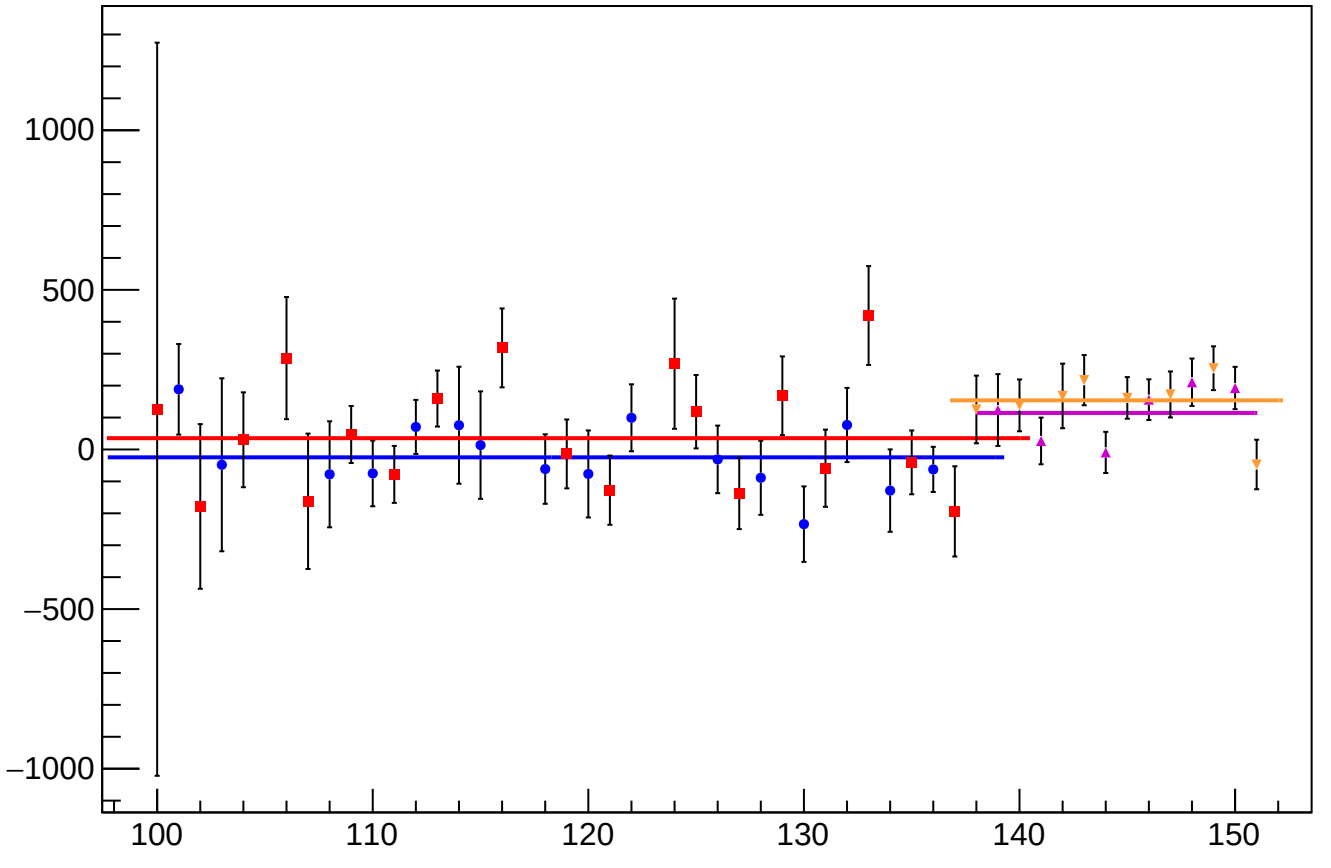
Left: 581.893+/-0.127 χ^2/NDF: 1435258.3/13

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 694.249+/-0.149 χ^2/NDF:3024294.0/21

Out: 721.215+/-0.147 χ^2/NDF:3003804.1/26

All: 707.928+/-0.105 χ^2/NDF: 6044661.3/48



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 153.898+/-27.660 χ^2/NDF:9.7/7

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 114.430+/-29.345 χ^2/NDF:8.6/5

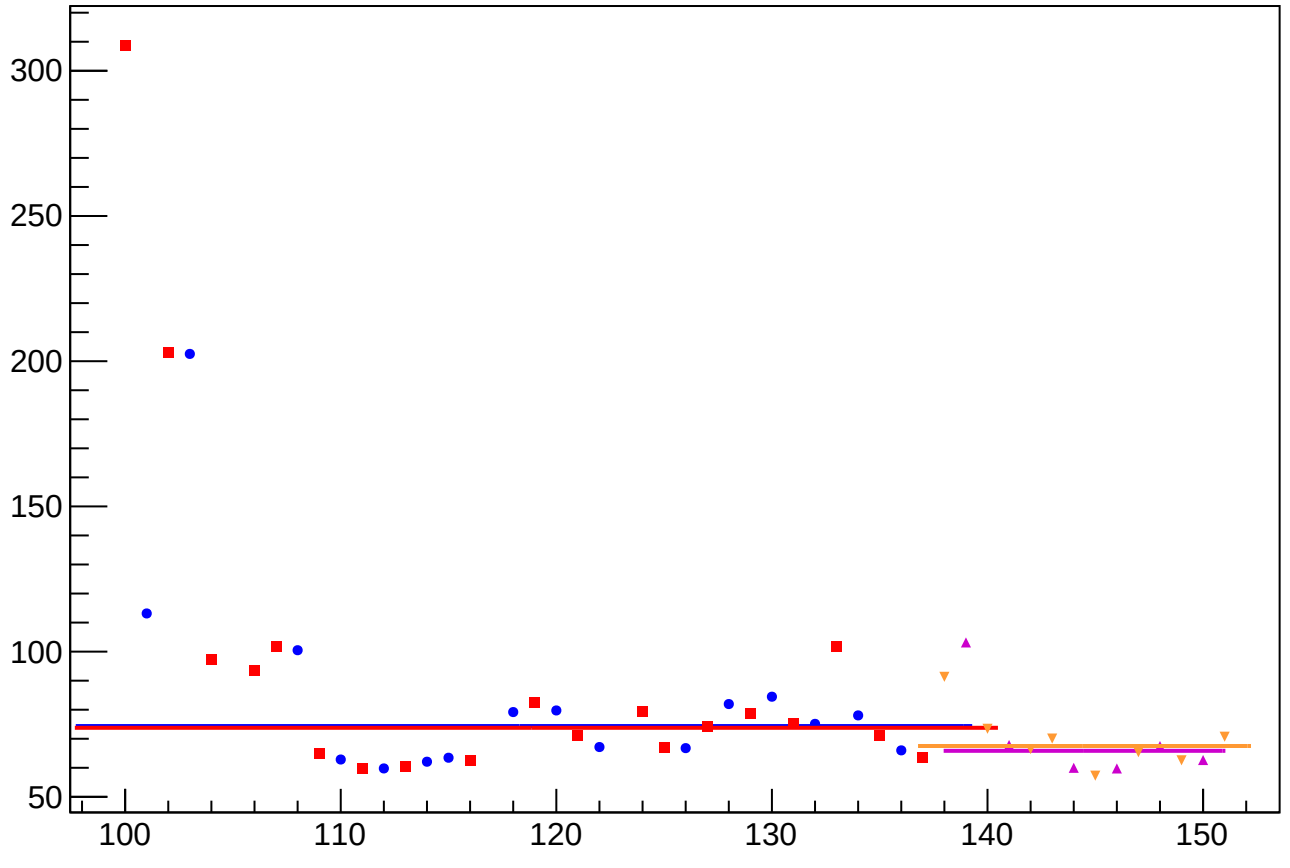
Left: 135.330+/-20.128 χ^2/NDF: 19.3/13

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 43.864+/-20.595 χ^2/NDF:31.0/21

Out: 96.323+/-19.835 χ^2/NDF:48.7/26

All: 71.080+/-14.287 χ^2/NDF: 83.0/48



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.505+/-0.020 χ^2/NDF:178636.4/7

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.847+/-0.021 χ^2/NDF:261672.2/5

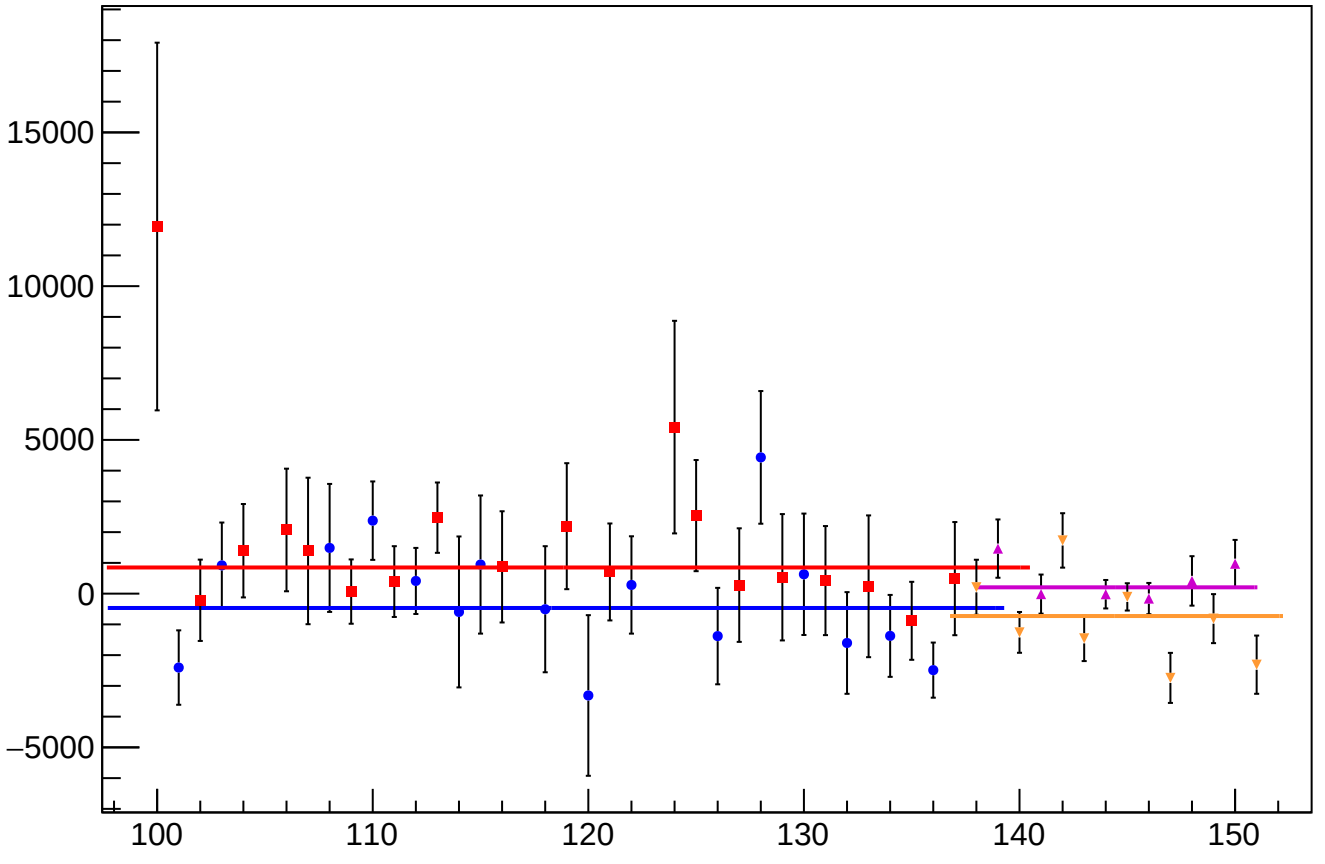
Left: 66.725+/-0.014 χ^2/NDF: 443689.5/13

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 70.171+/-0.015 χ^2/NDF:1174844.3/21

Out: 70.550+/-0.014 χ^2/NDF:1156692.1/26

All: 70.368+/-0.010 χ^2/NDF: 2331887.5/48



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -728.376+/-250.817 χ^2/NDF:21.3/7

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 205.240+/-255.316 χ^2/NDF:3.7/5

Left: -269.865+/-178.924 χ^2/NDF: 31.8/13

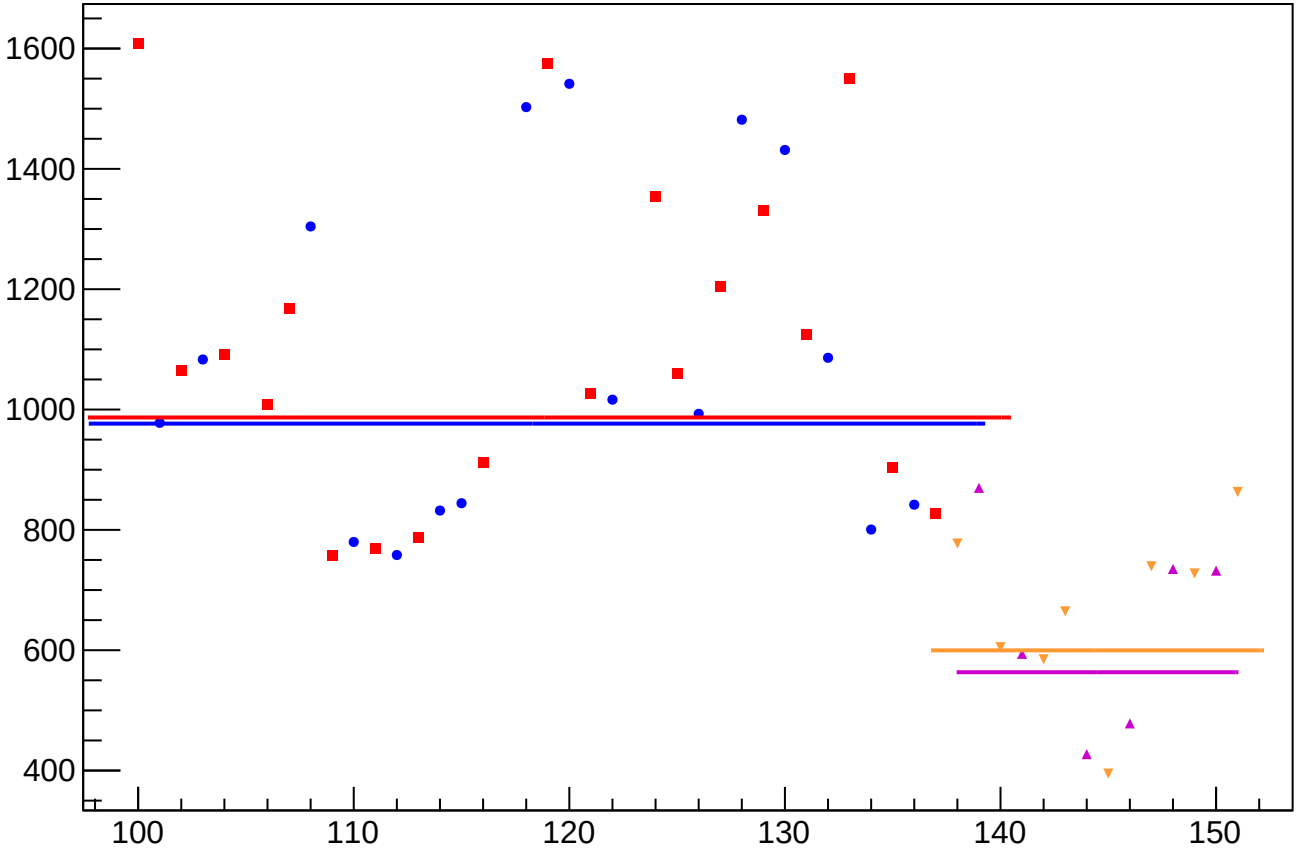
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -7.497+/-211.051 χ^2/NDF:29.6/21

Out: -236.843+/-208.153 χ^2/NDF:46.2/26

All: -123.755+/-148.200 χ^2/NDF: 76.4/48

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: 599.744+/-0.177 χ^2/NDF:785792.4/7

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 563.395+/-0.181 χ^2/NDF:628838.7/5

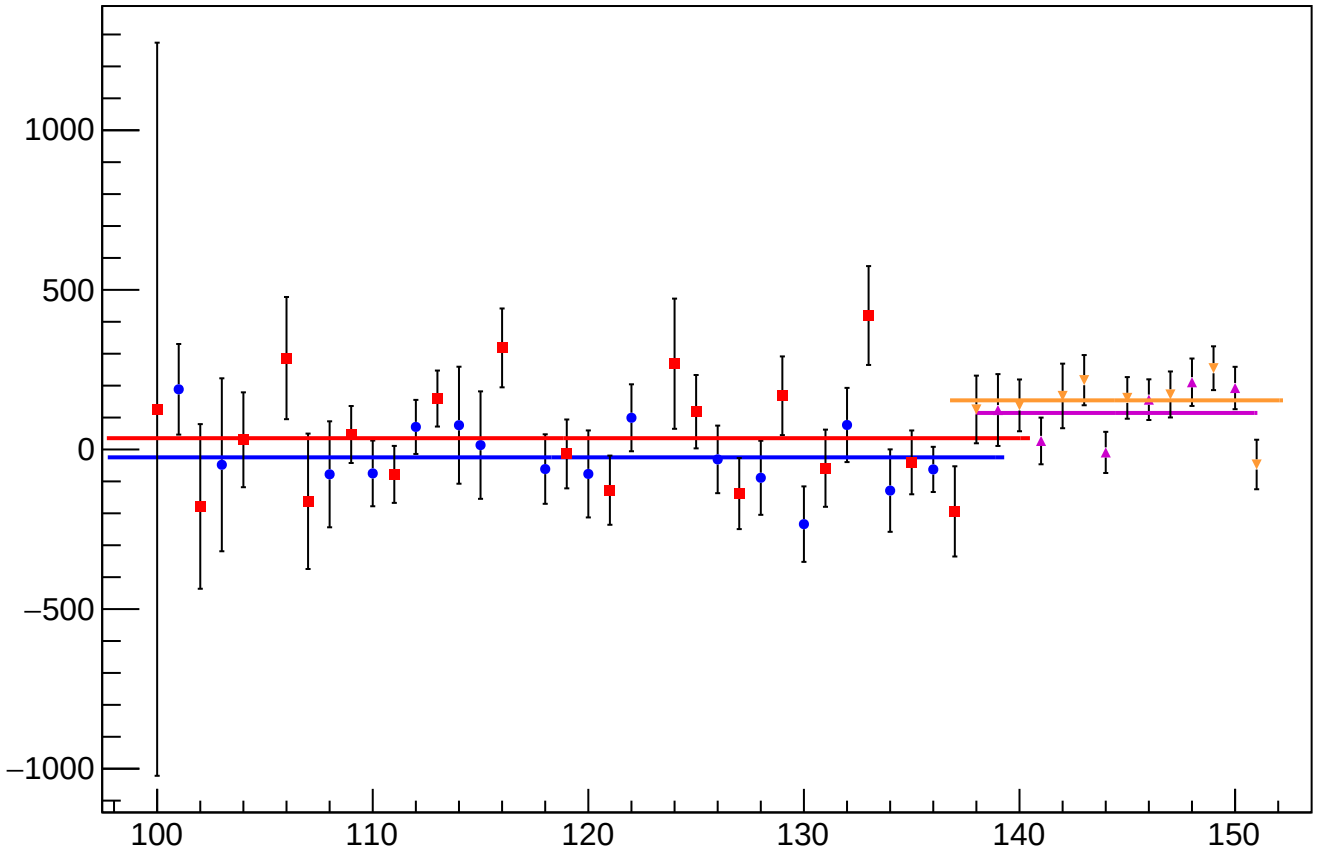
Left: 581.893+/-0.127 χ^2/NDF: 1435259.9/13

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 694.249+/-0.149 χ^2/NDF:3024350.6/21

Out: 720.229+/-0.147 χ^2/NDF:2981792.7/26

All: 707.419+/-0.105 χ^2/NDF: 6021505.6/48



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 153.898+/-27.660 χ^2/NDF:9.7/7

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 114.430+/-29.345 χ^2/NDF:8.6/5

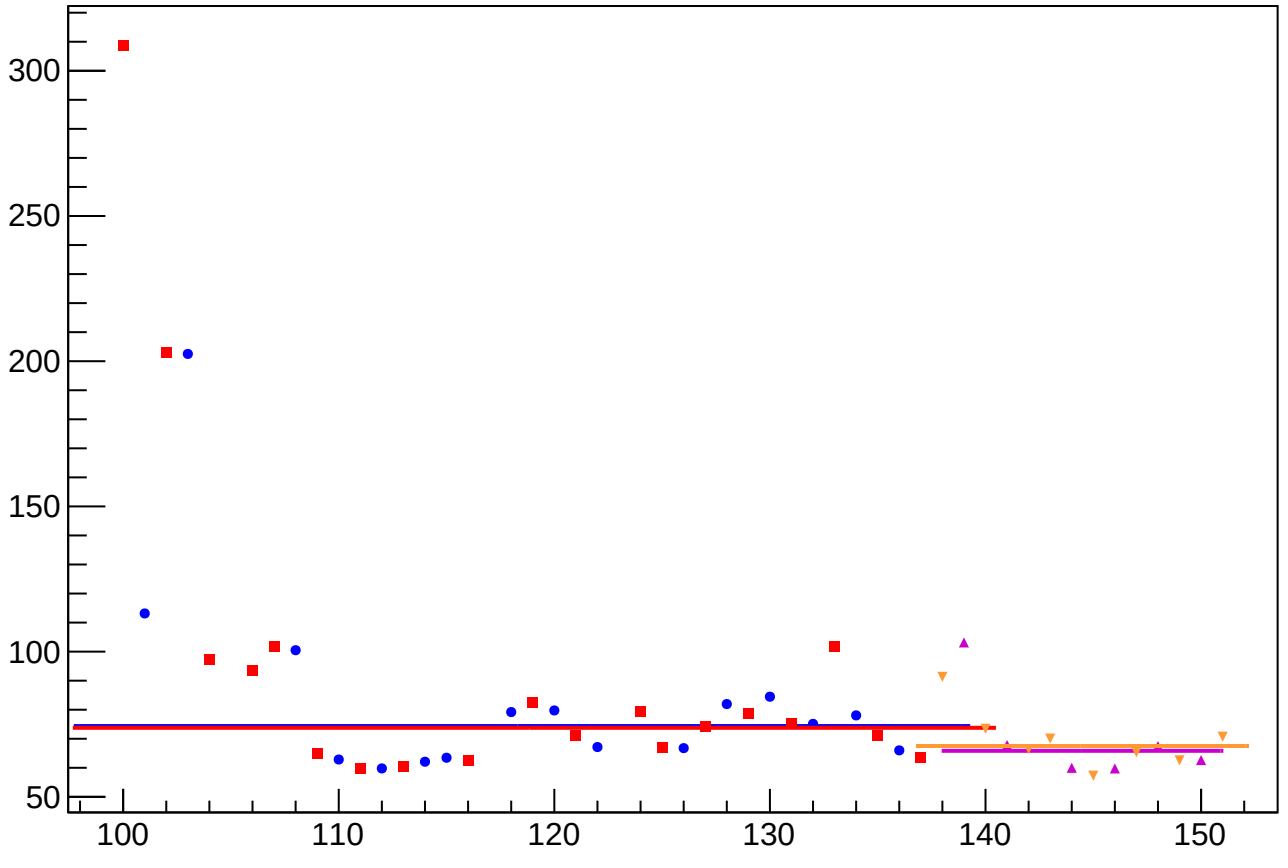
Left: 135.330+/-20.128 χ^2/NDF: 19.3/13

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 43.864+/-20.595 χ^2/NDF:31.0/21

Out: 96.323+/-19.835 χ^2/NDF:48.7/26

All: 71.080+/-14.287 χ^2/NDF: 83.0/48



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.505+/-0.020 χ^2/NDF:178636.4/7

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.847+/-0.021 χ^2/NDF:261672.2/5

Left: 66.725+/-0.014 χ^2/NDF: 443689.5/13

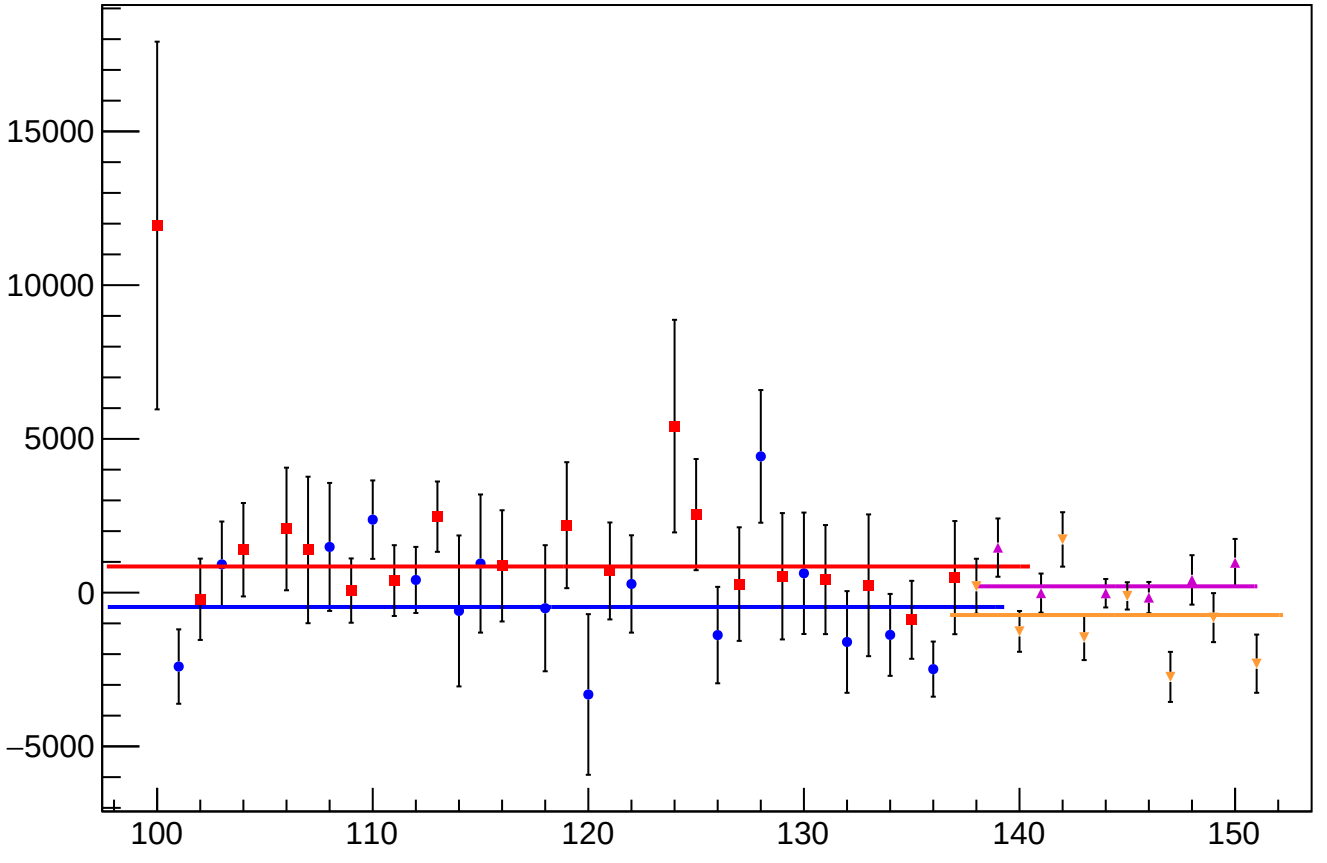
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 70.171+/-0.015 χ^2/NDF:1174844.3/21

Out: 70.550+/-0.014 χ^2/NDF:1156692.1/26

All: 70.368+/-0.010 χ^2/NDF: 2331887.5/48

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -728.376+/-250.817 χ^2/NDF:21.3/7

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 205.240+/-255.316 χ^2/NDF:3.7/5

Left: -269.865+/-178.924 χ^2/NDF: 31.8/13

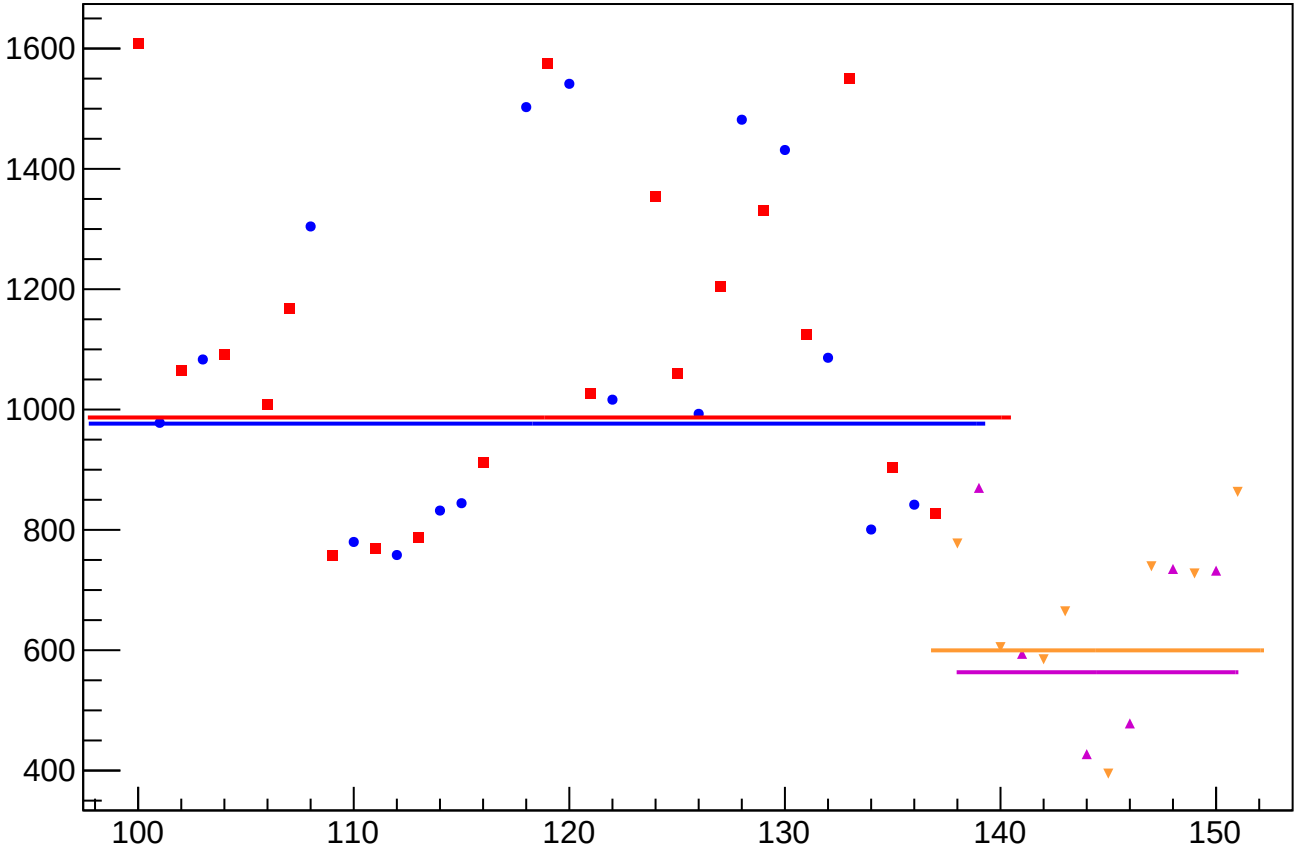
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -7.497+/-211.051 χ^2/NDF:29.6/21

Out: -236.843+/-208.153 χ^2/NDF:46.2/26

All: -123.755+/-148.200 χ^2/NDF: 76.4/48

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 599.744+/-0.177 χ^2/NDF:785792.4/7

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 563.395+/-0.181 χ^2/NDF:628838.7/5

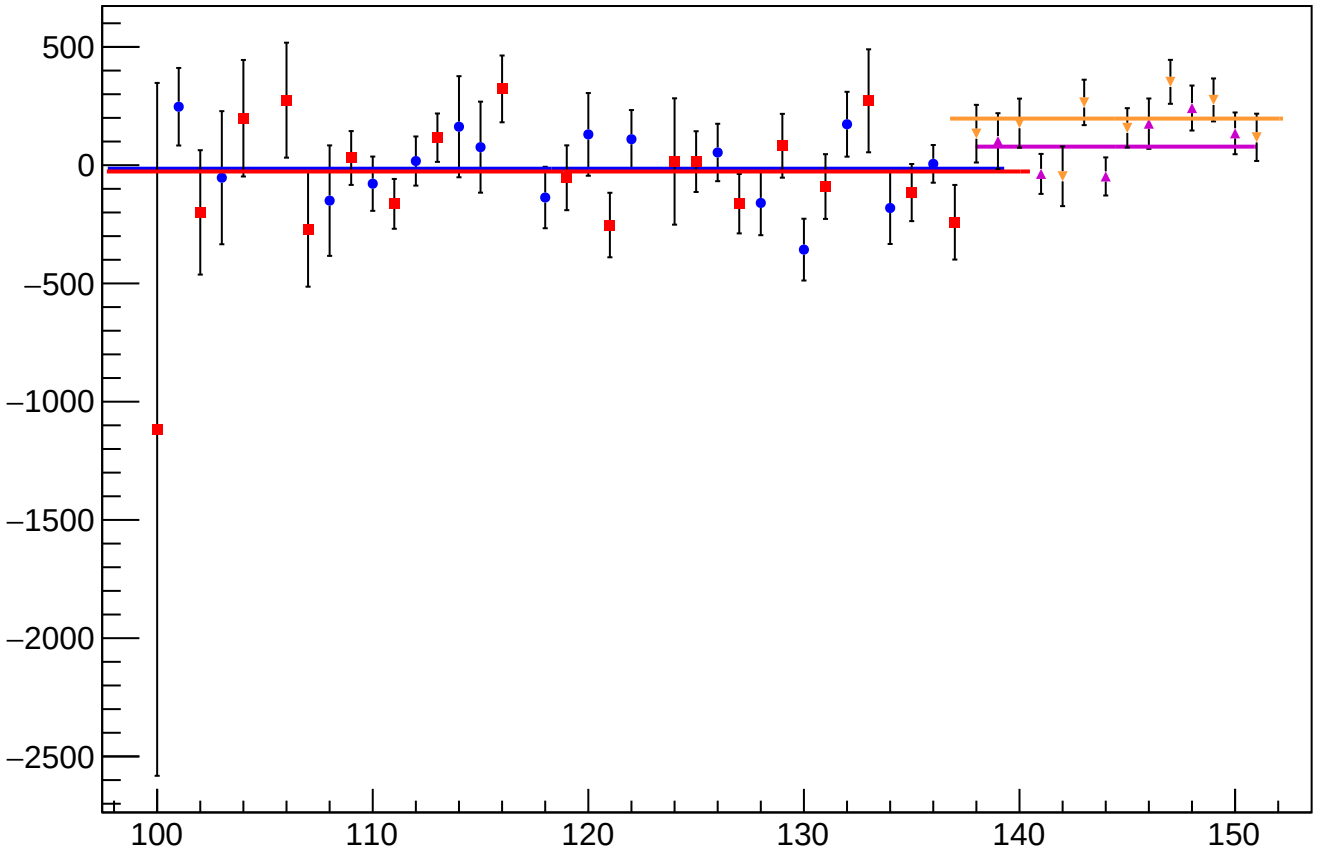
Left: 581.893+/-0.127 χ^2/NDF: 1435259.9/13

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 694.249+/-0.149 χ^2/NDF:3024350.6/21

Out: 720.229+/-0.147 χ^2/NDF:2981792.7/26

All: 707.419+/-0.105 χ^2/NDF: 6021505.6/48



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 197.035+/-35.069 χ^2/NDF:9.0/7

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 78.380+/-37.983 χ^2/NDF:8.5/5

Left: 142.434+/-25.766 χ^2/NDF: 22.7/13

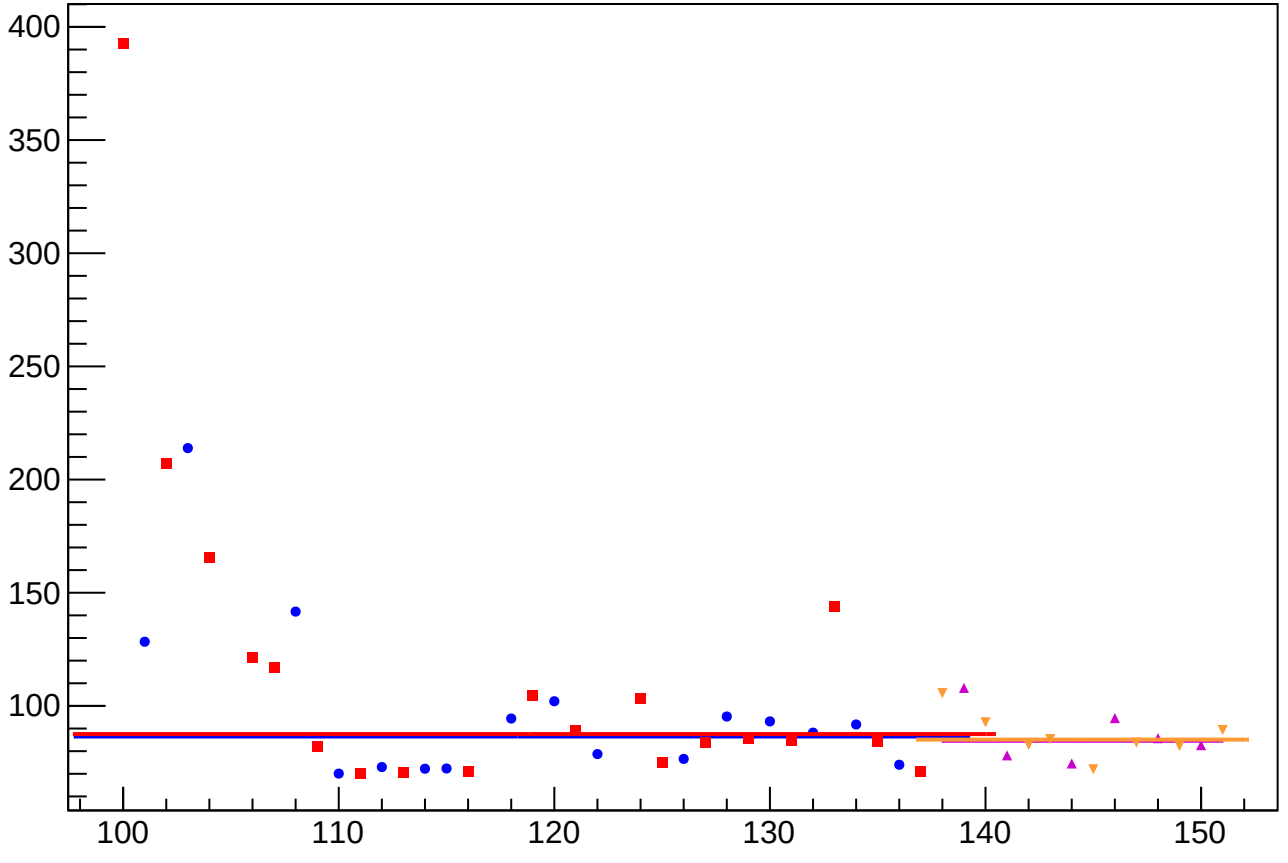
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 26.240+/-25.234 χ^2/NDF:30.2/21

Out: 81.970+/-24.438 χ^2/NDF:53.5/26

All: 54.998+/-17.555 χ^2/NDF: 86.2/48

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 85.104+/-0.025 χ^2/NDF:123959.9/7

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 84.593+/-0.027 χ^2/NDF:140049.9/5

Left: 84.868+/-0.018 χ^2/NDF: 264205.1/13

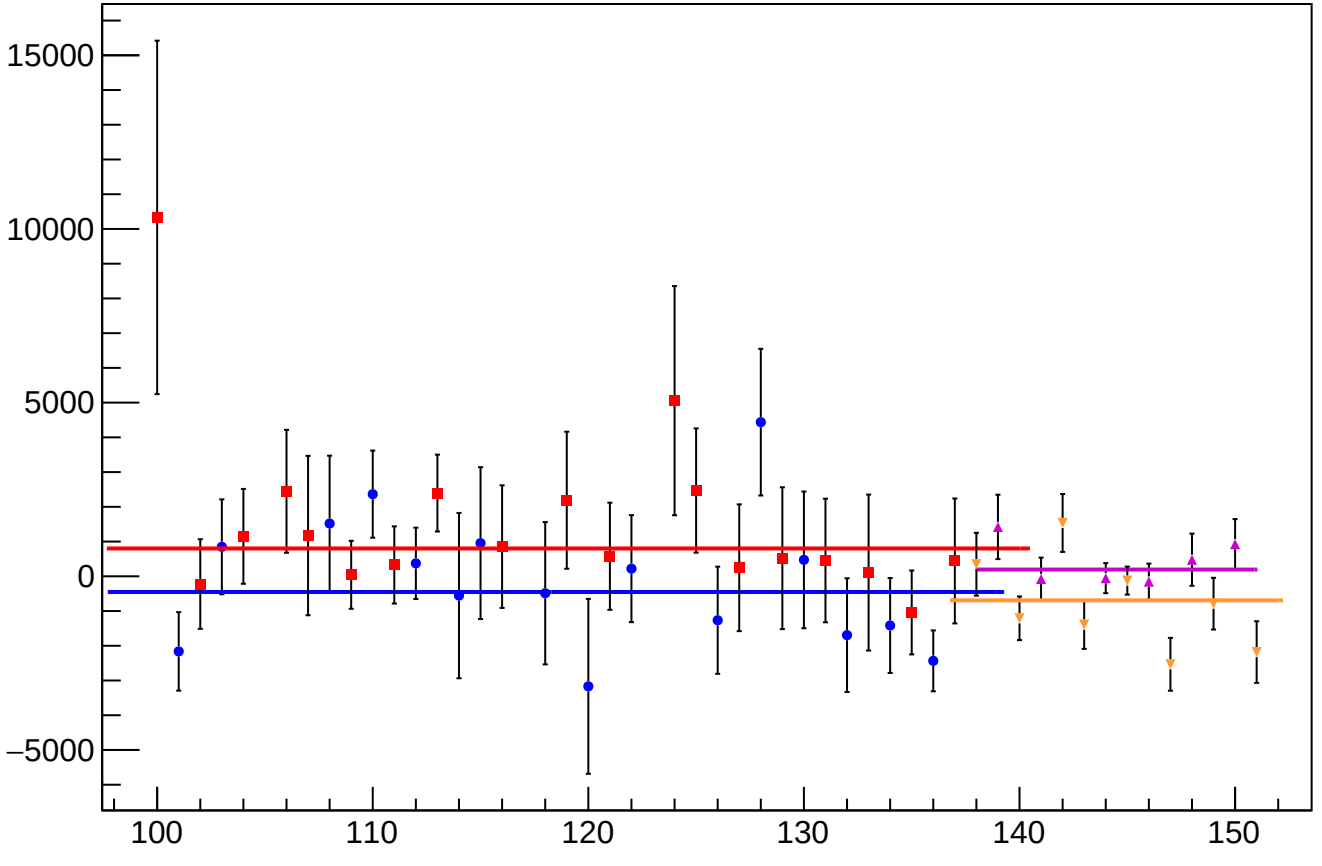
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 85.652+/-0.018 χ^2/NDF:999092.5/21

Out: 86.364+/-0.017 χ^2/NDF:1258779.6/26

All: 86.020+/-0.012 χ^2/NDF: 2258694.4/48

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -692.560+/-234.408 χ^2/NDF:20.8/7

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 194.318+/-245.484 χ^2/NDF:3.9/5

Left: -269.580+/-169.532 χ^2/NDF: 31.6/13

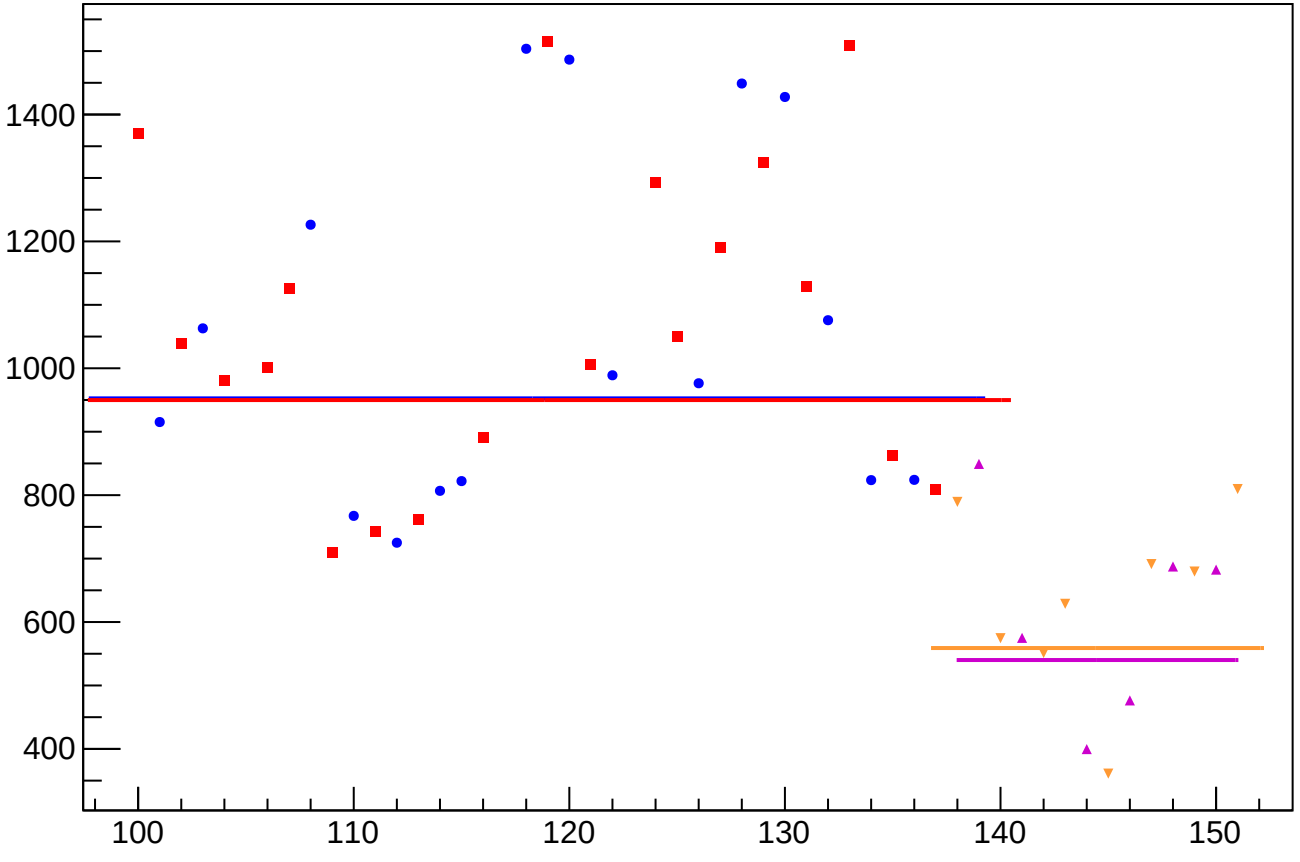
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -6.328+/-203.804 χ^2/NDF:29.8/21

Out: -244.084+/-196.087 χ^2/NDF:46.6/26

All: -129.793+/-141.304 χ^2/NDF: 77.1/48

asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 559.005+/-0.166 χ^2/NDF:905968.6/7

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 540.098+/-0.174 χ^2/NDF:625215.1/5

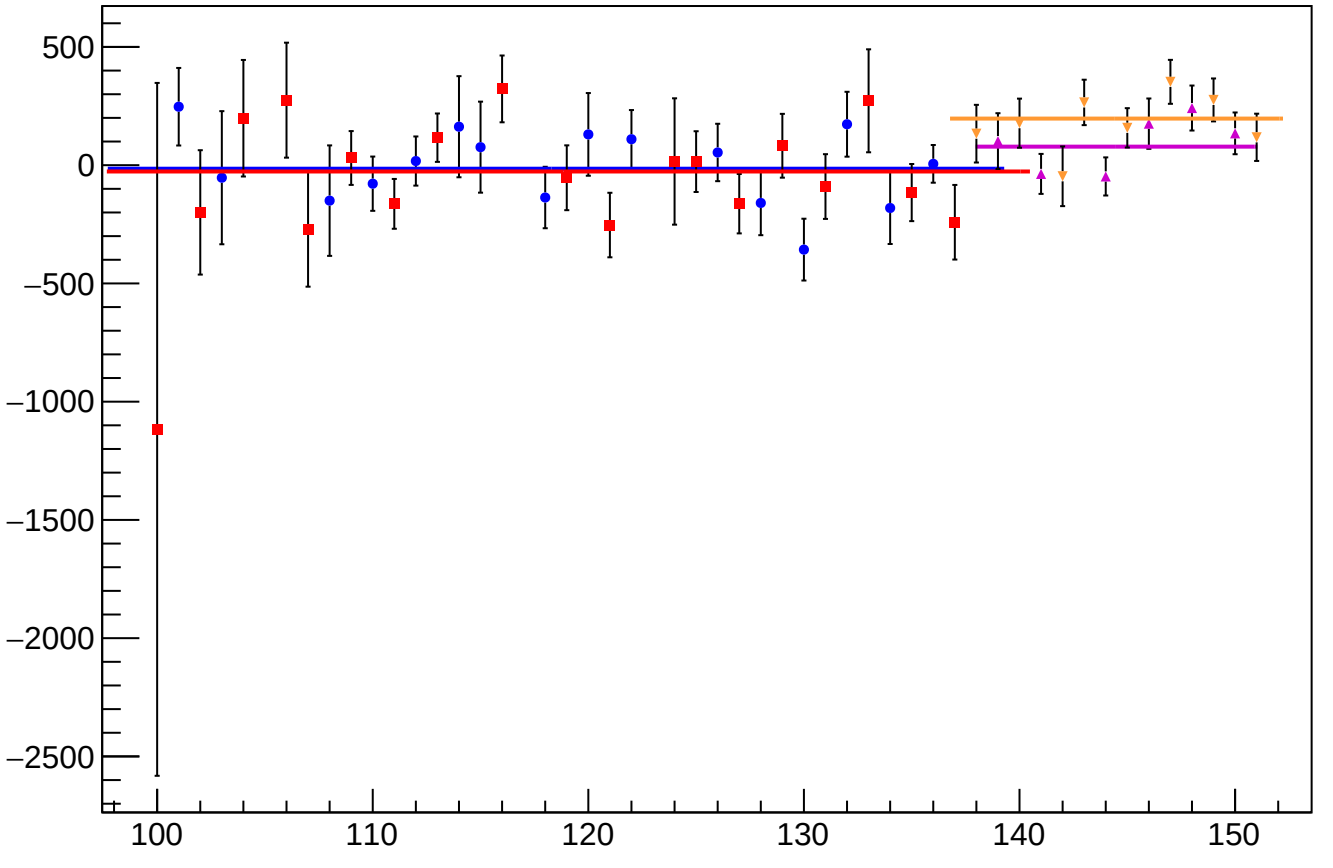
Left: 549.988+/-0.120 χ^2/NDF: 1537389.1/13

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 668.265+/-0.144 χ^2/NDF:3125982.2/21

Out: 676.362+/-0.139 χ^2/NDF:3327367.7/26

All: 672.470+/-0.100 χ^2/NDF: 6454988.9/48



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 197.035+/-35.069 χ^2/NDF:9.0/7

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 78.380+/-37.983 χ^2/NDF:8.5/5

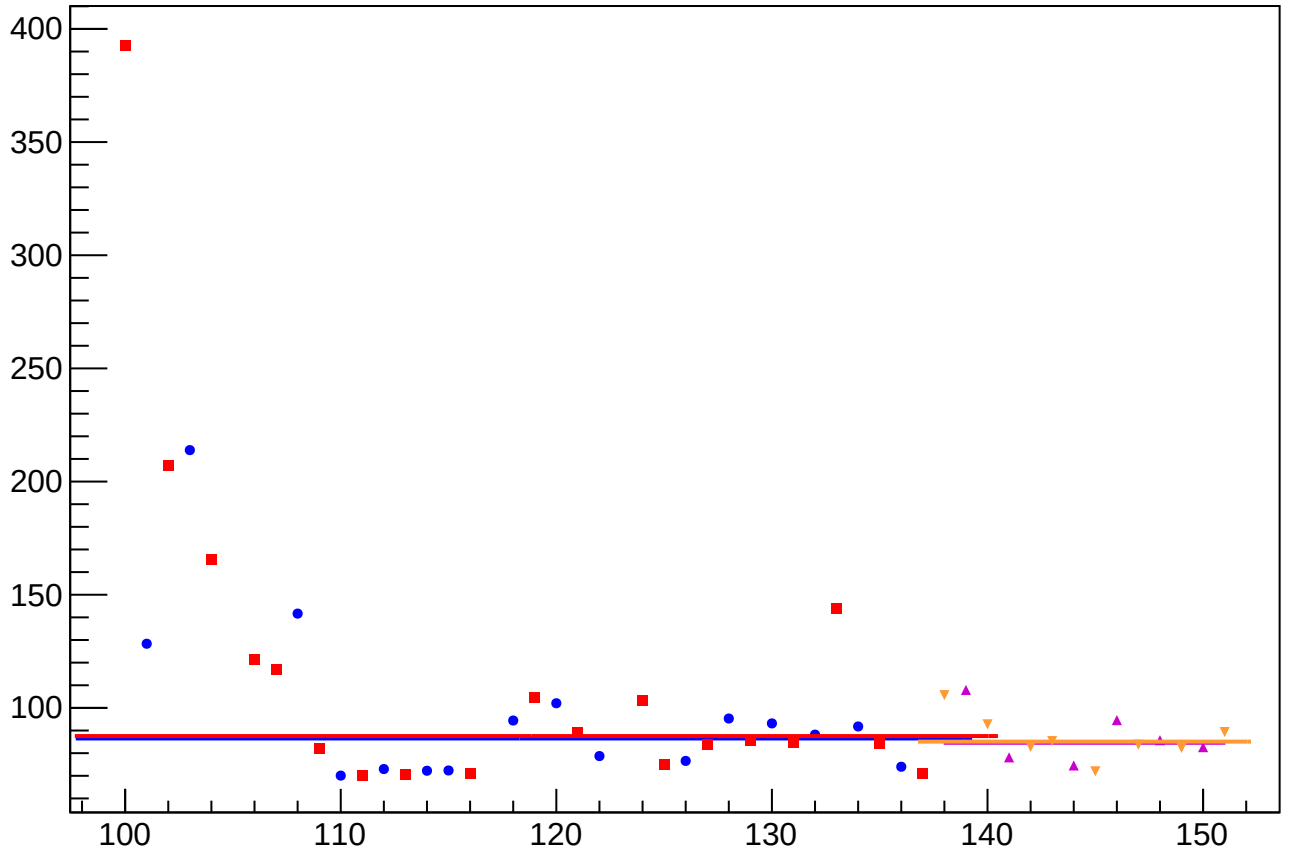
Left: 142.433+/-25.766 χ^2/NDF: 22.7/13

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

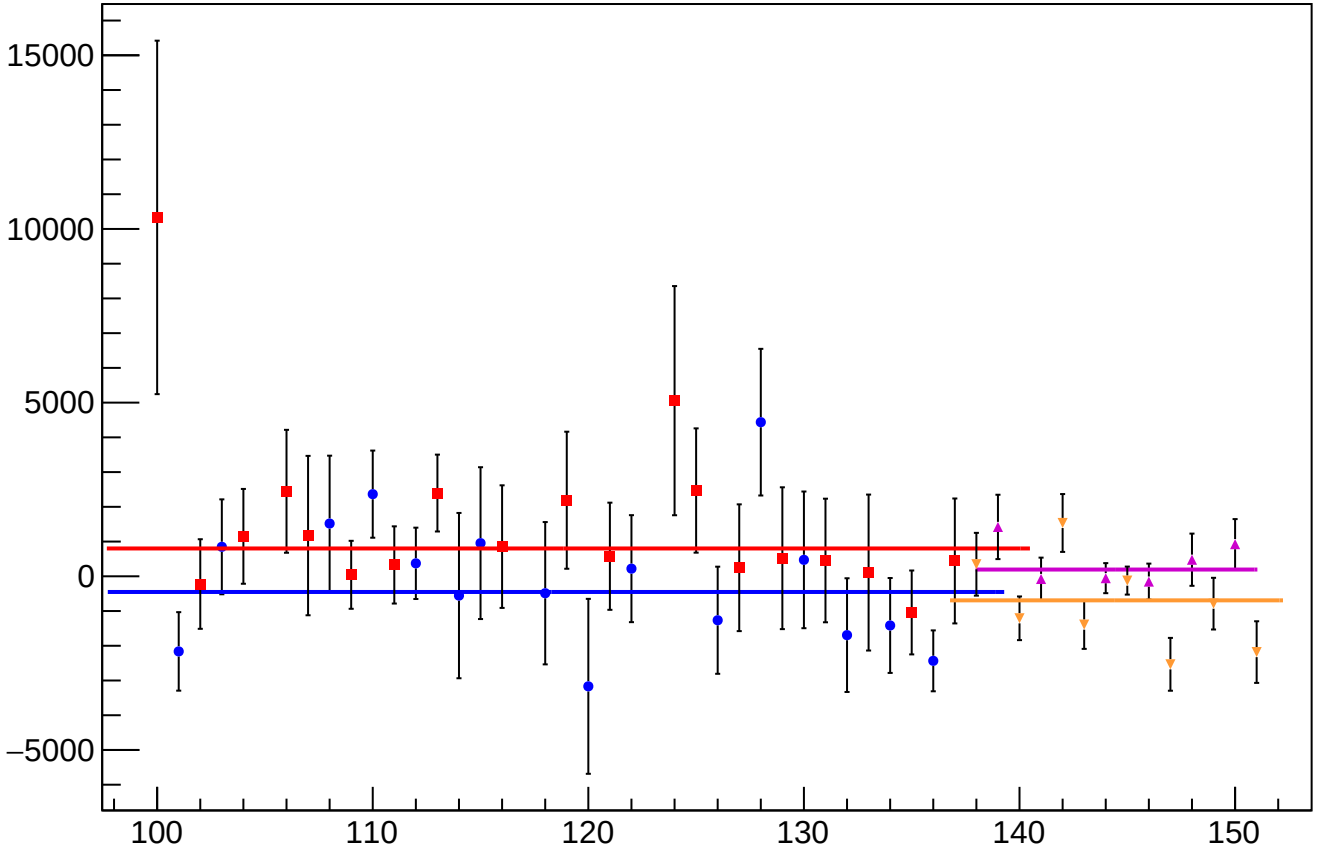
In: 26.240+/-25.234 χ^2/NDF:30.2/21

Out: 81.968+/-24.438 χ^2/NDF:53.5/26

All: 54.997+/-17.555 χ^2/NDF: 86.2/48


eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
100
110
120
130
140
150
Right In: 86.489+/-0.024 χ²/NDF: 856249.6/15
Left Out: 85.104+/-0.025 χ²/NDF:123959.2/7
Right Out: 87.555+/-0.024 χ²/NDF: 1129791.7/18
Left In: 84.593+/-0.027 χ²/NDF:140048.0/5
Left: 84.869+/-0.018 χ²/NDF: 264202.6/13
Right: 87.017+/-0.017 χ²/NDF: 1987028.5/34
In: 85.652+/-0.018 χ²/NDF:999082.7/21
Out: 86.365+/-0.017 χ²/NDF:1258776.7/26
All: 86.020+/-0.012 χ²/NDF: 2258682.0/48

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: -692.562+/-234.407 χ^2/NDF:20.8/7

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 194.318+/-245.484 χ^2/NDF:3.9/5

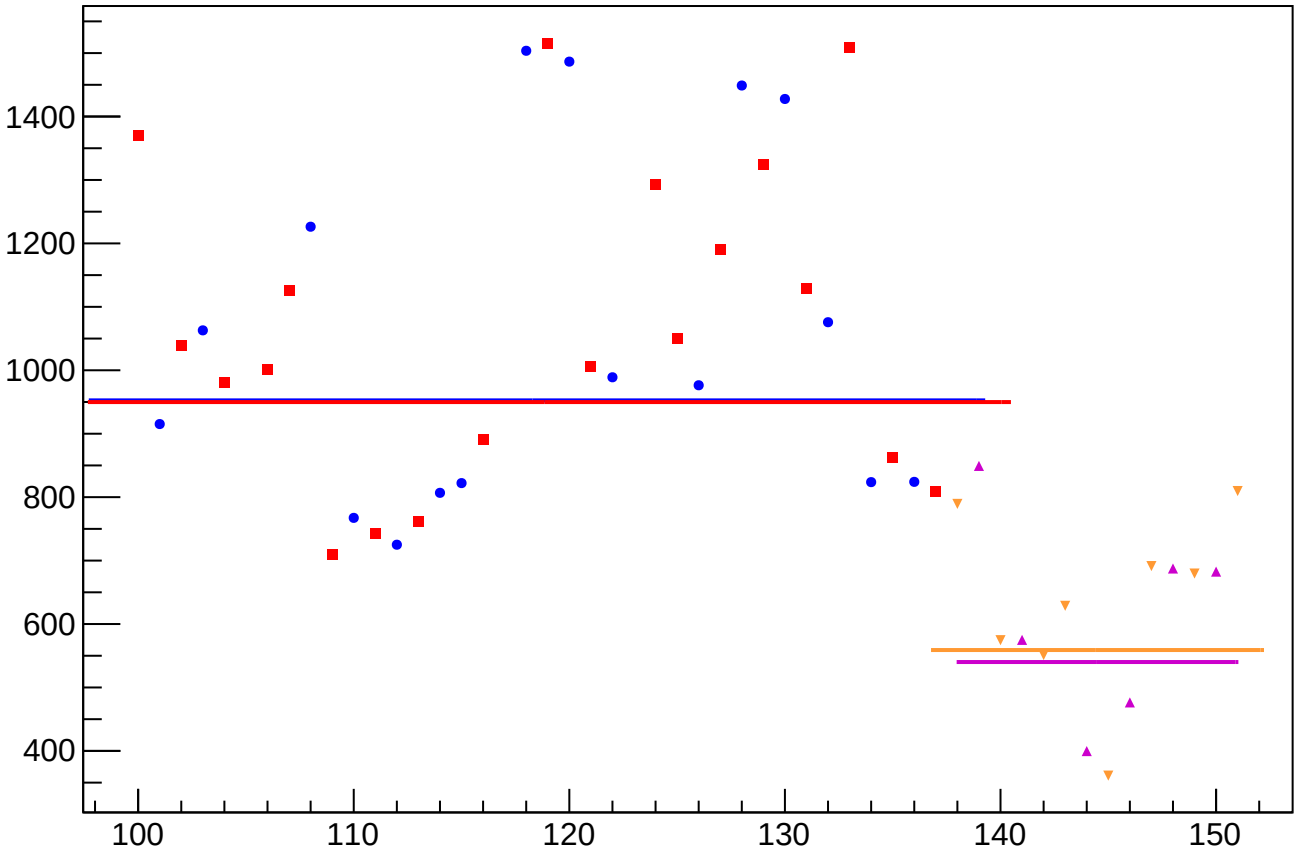
Left: -269.581+/-169.532 χ^2/NDF: 31.6/13

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -6.328+/-203.804 χ^2/NDF:29.8/21

Out: -244.084+/-196.087 χ^2/NDF:46.6/26

All: -129.793+/-141.304 χ^2/NDF: 77.1/48



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 559.004+/-0.166 χ^2/NDF:905971.2/7

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 540.098+/-0.174 χ^2/NDF:625217.4/5

Left: 549.987+/-0.120 χ^2/NDF: 1537393.9/13

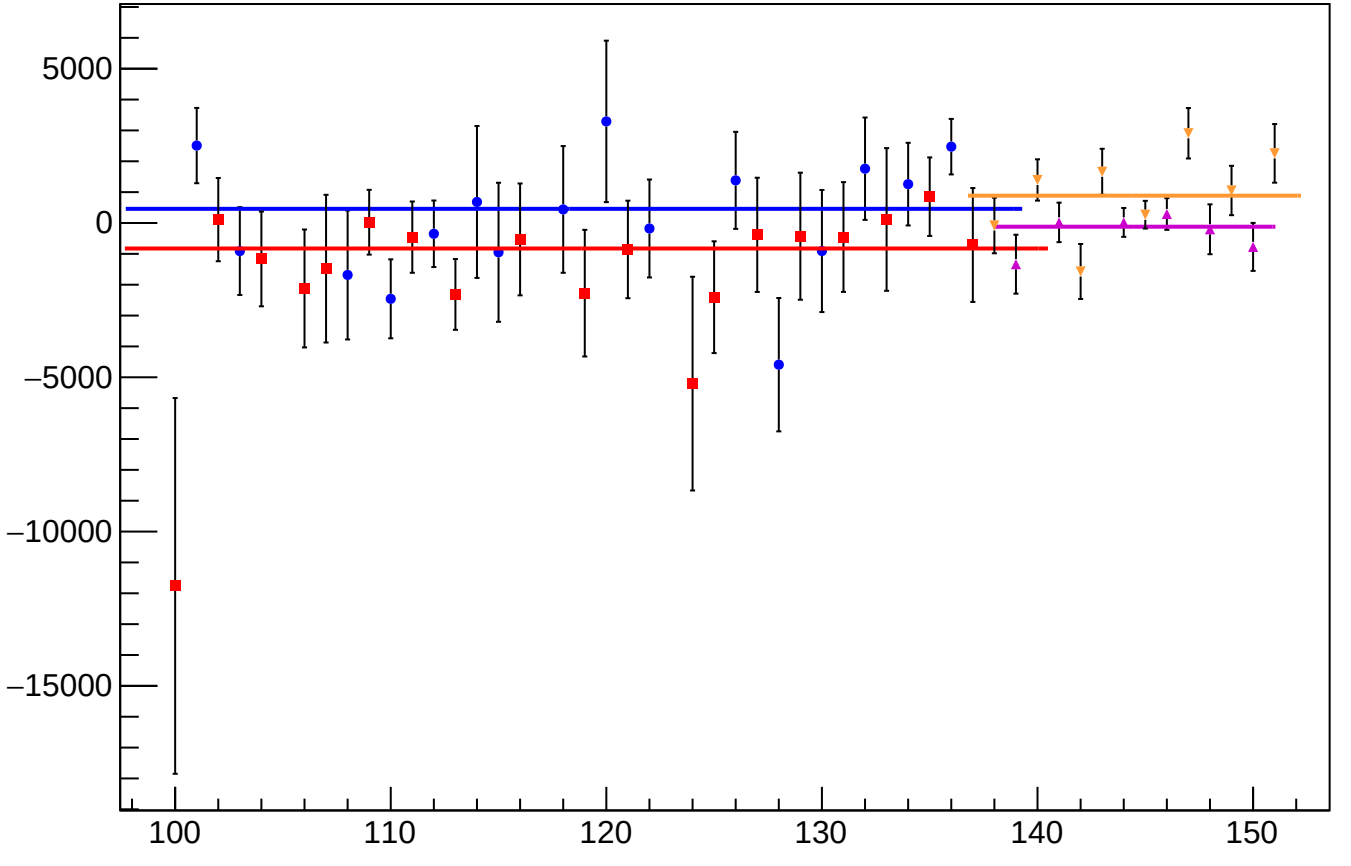
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 668.265+/-0.144 χ^2/NDF:3125980.5/21

Out: 676.361+/-0.139 χ^2/NDF:3327365.2/26

All: 672.469+/-0.100 χ^2/NDF: 6454984.7/48

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 885.794+/-252.682 χ^2/NDF:20.6/7

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -120.228+/-257.315 χ^2/NDF:3.1/5

Left: 391.921+/-180.289 χ^2/NDF: 31.5/13

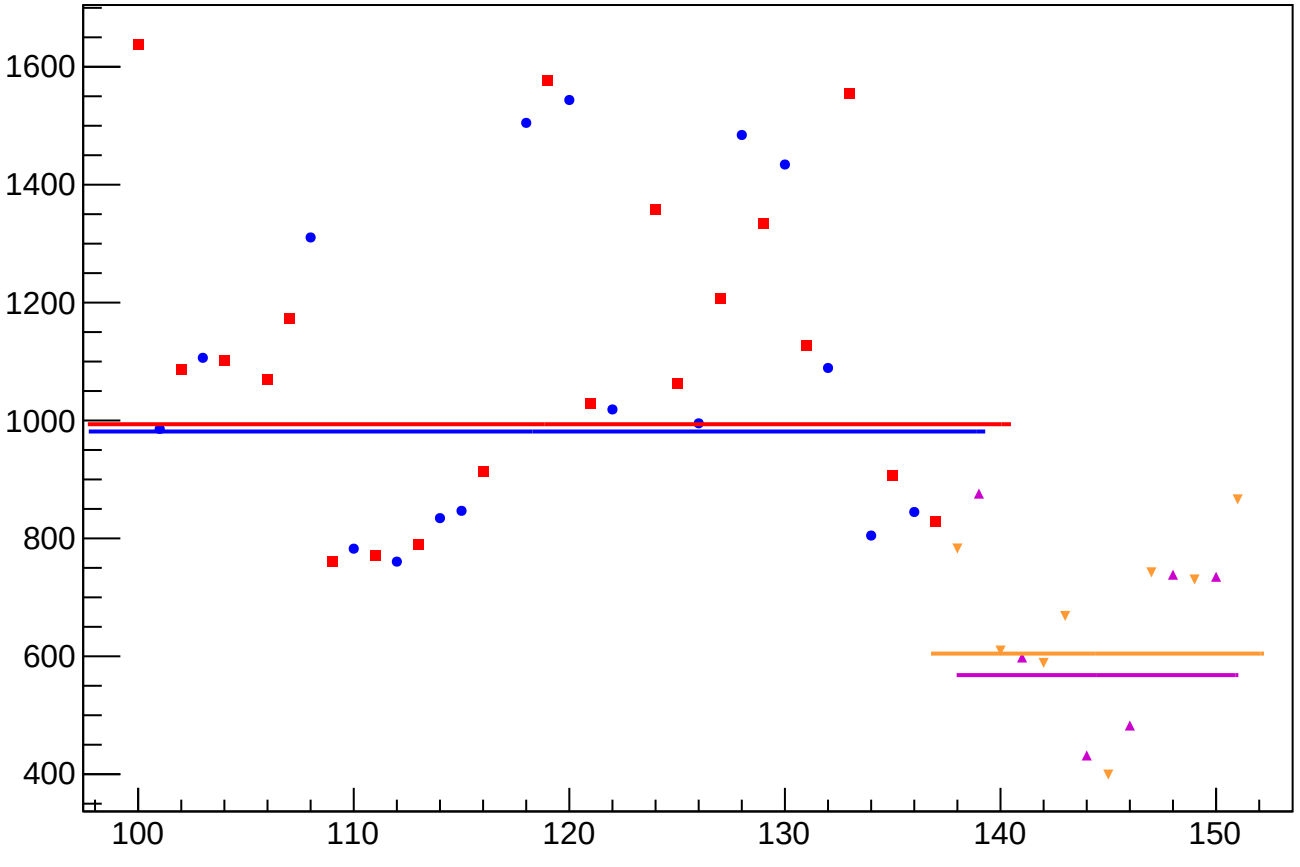
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 63.980+/-212.507 χ^2/NDF:29.3/21

Out: 349.623+/-209.418 χ^2/NDF:46.6/26

All: 208.893+/-149.161 χ^2/NDF: 76.8/48

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 604.595+/-0.179 χ^2/NDF:769650.8/7

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 568.117+/-0.182 χ^2/NDF:619015.8/5

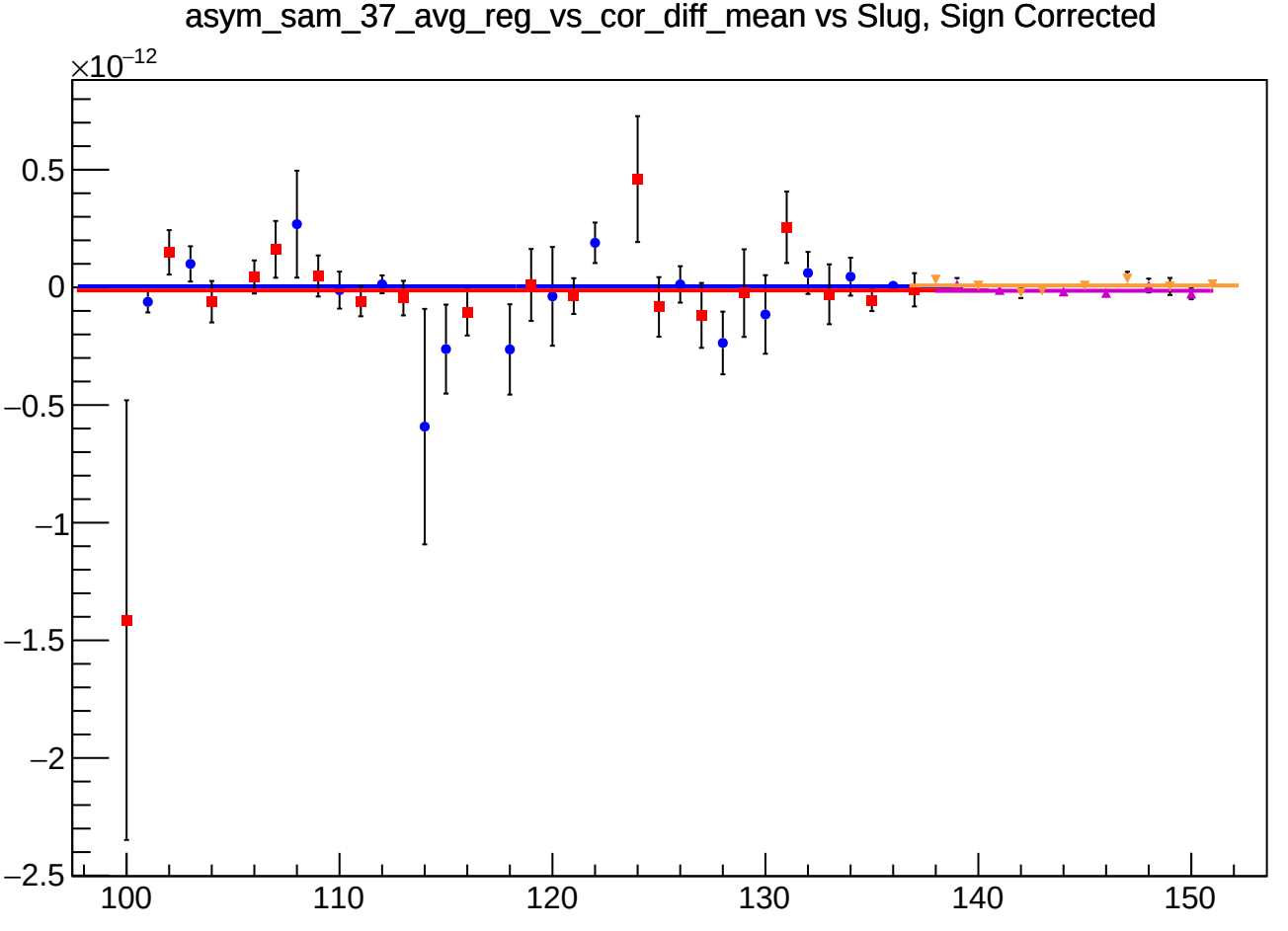
Left: 586.687+/-0.127 χ^2/NDF: 1409129.0/13

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 699.503+/-0.150 χ^2/NDF:2996646.7/21

Out: 726.429+/-0.148 χ^2/NDF:2974348.9/26

All: 713.163+/-0.105 χ^2/NDF: 5987284.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/5

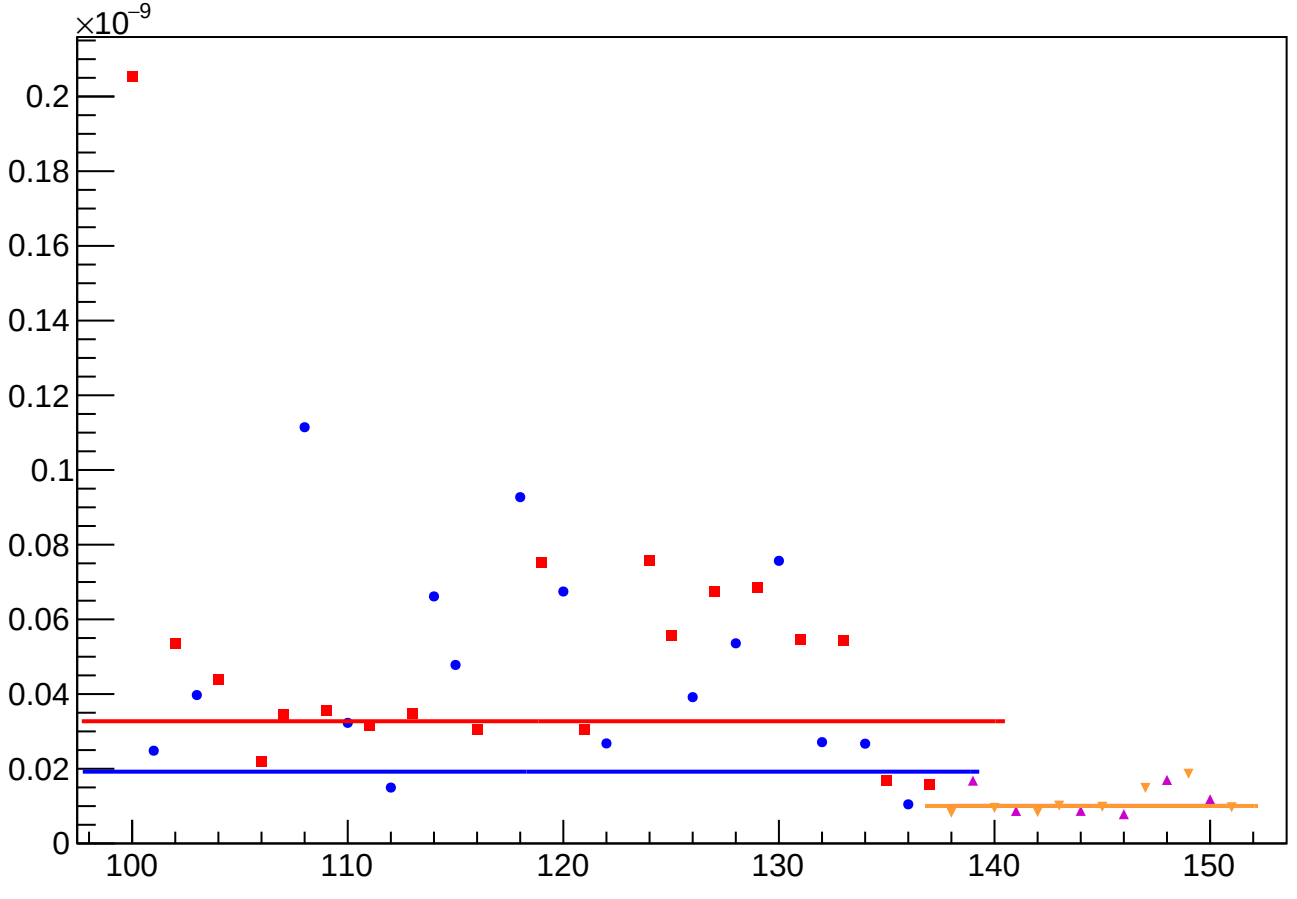
Left: -0.000+/-0.000 χ^2/NDF: 12.8/13

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:23.2/21

Out: 0.000+/-0.000 χ^2/NDF:25.5/26

All: -0.000+/-0.000 χ^2/NDF: 51.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:200464.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:311857.8/5

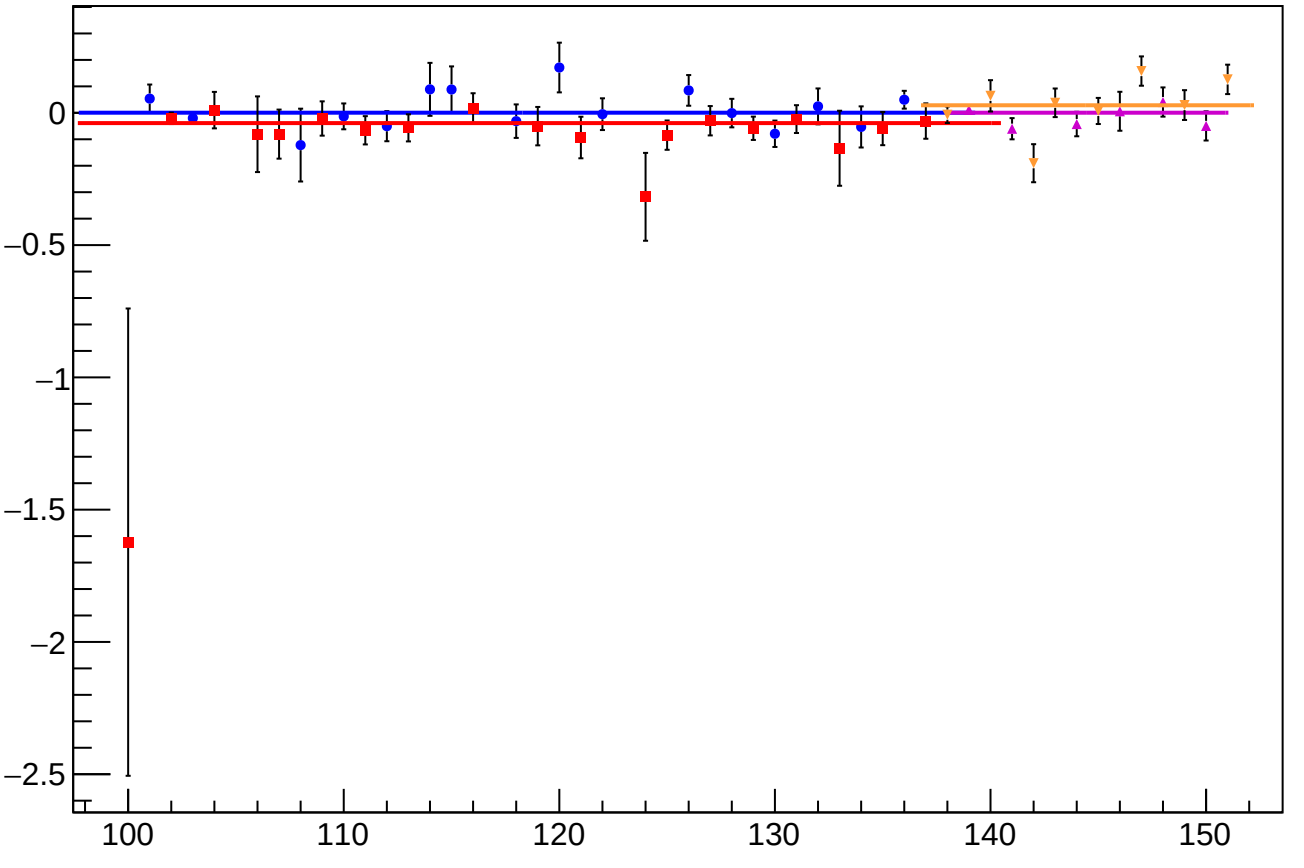
Left: 0.000+/-0.000 χ^2/NDF: 512327.3/13

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:2912786.3/21

Out: 0.000+/-0.000 χ^2/NDF:3513573.1/26

All: 0.000+/-0.000 χ^2/NDF: 6429309.3/48



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.000+/-0.012 χ^2/NDF:5.1/5

Left: 0.009+/-0.010 χ^2/NDF: 26.6/13

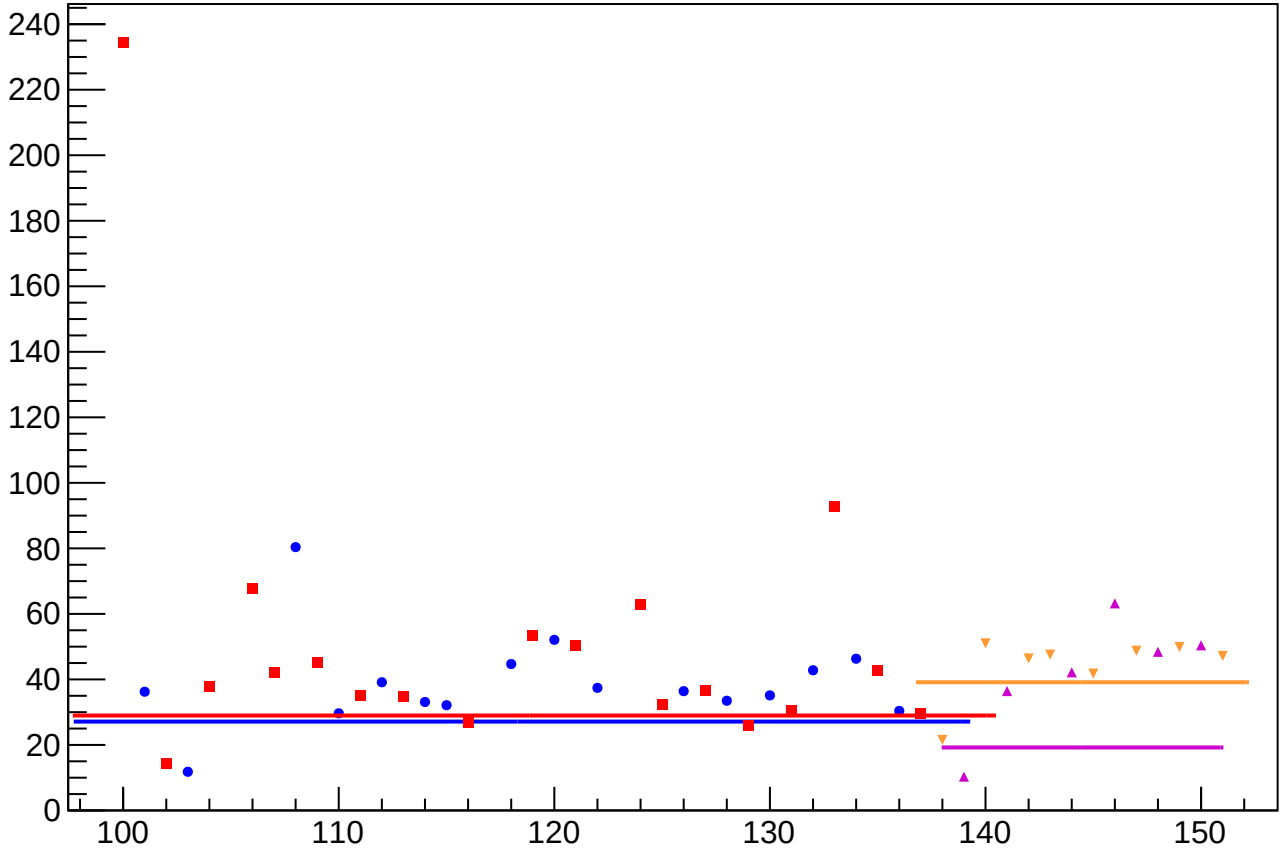
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.000+/-0.008 χ^2/NDF:21.6/21

Out: -0.016+/-0.010 χ^2/NDF:40.4/26

All: -0.006+/-0.006 χ^2/NDF: 63.6/48

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: 39.139+/-0.012 χ^2/NDF:958759.5/7

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 19.227+/-0.008 χ^2/NDF:3651856.4/5

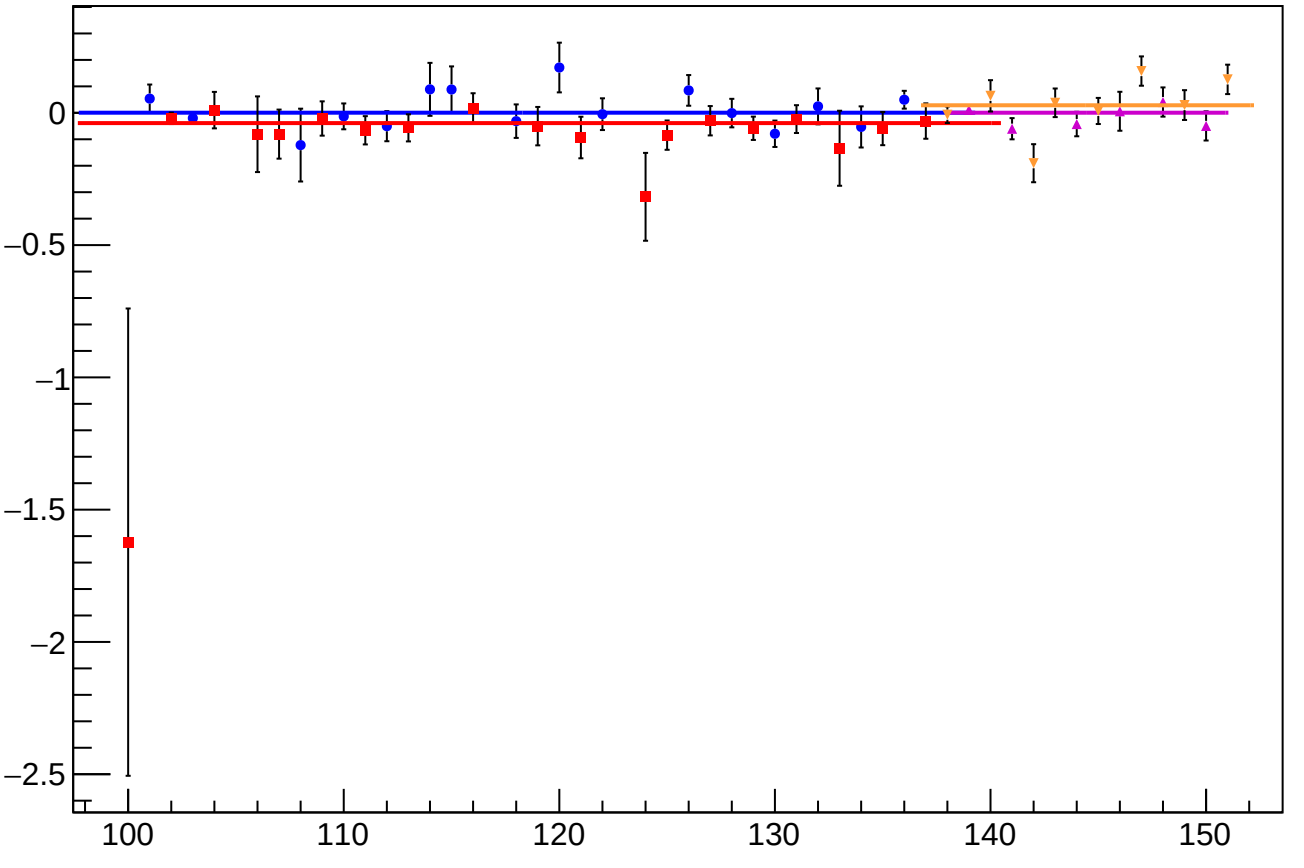
Left: 25.210+/-0.007 χ^2/NDF: 6391778.2/13

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.021+/-0.006 χ^2/NDF:6515401.1/21

Out: 32.423+/-0.007 χ^2/NDF:3853240.1/26

All: 26.755+/-0.005 χ^2/NDF: 11378220.4/48



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.000+/-0.012 χ^2/NDF:5.1/5

Left: 0.009+/-0.010 χ^2/NDF: 26.6/13

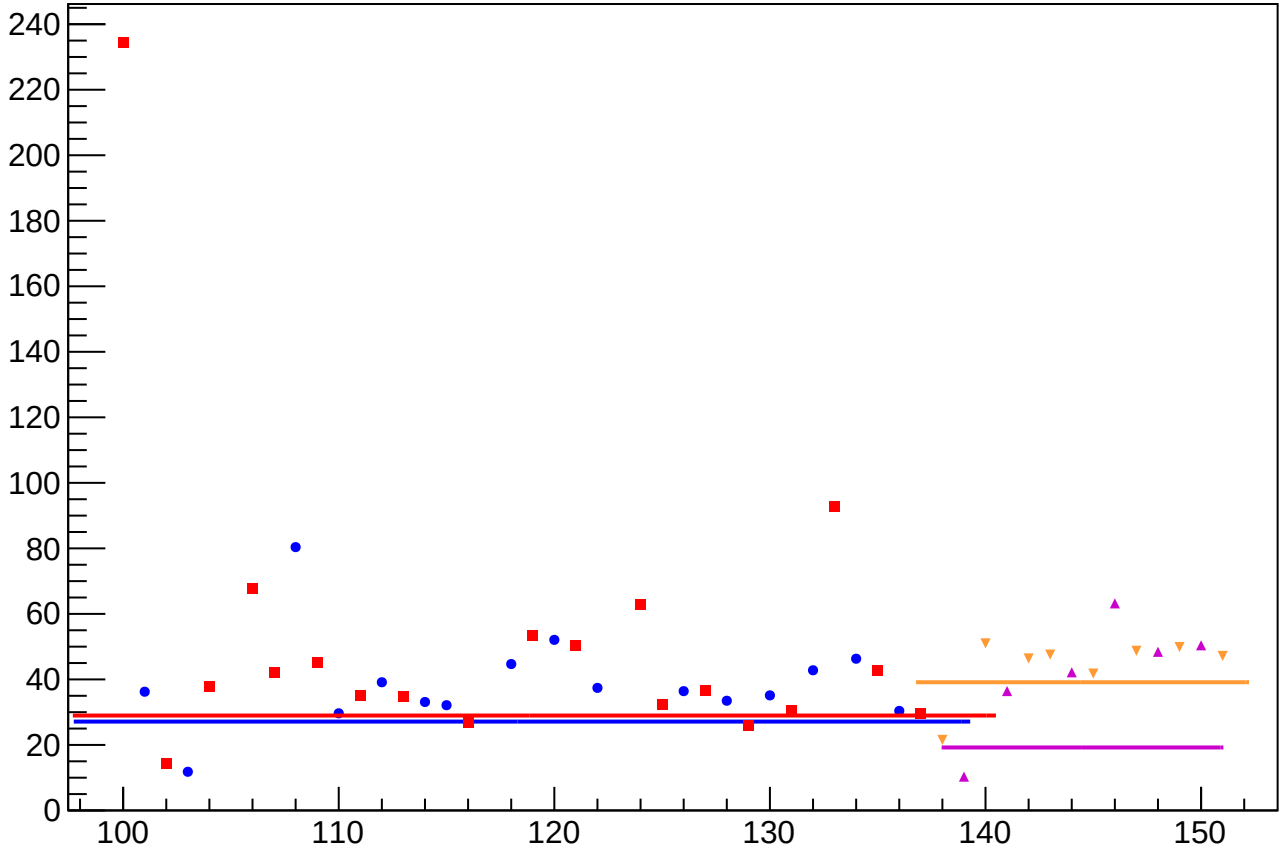
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.000+/-0.008 χ^2/NDF:21.6/21

Out: -0.016+/-0.010 χ^2/NDF:40.4/26

All: -0.006+/-0.006 χ^2/NDF: 63.6/48

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 39.139+/-0.012 χ^2/NDF:958759.5/7

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 19.227+/-0.008 χ^2/NDF:3651856.4/5

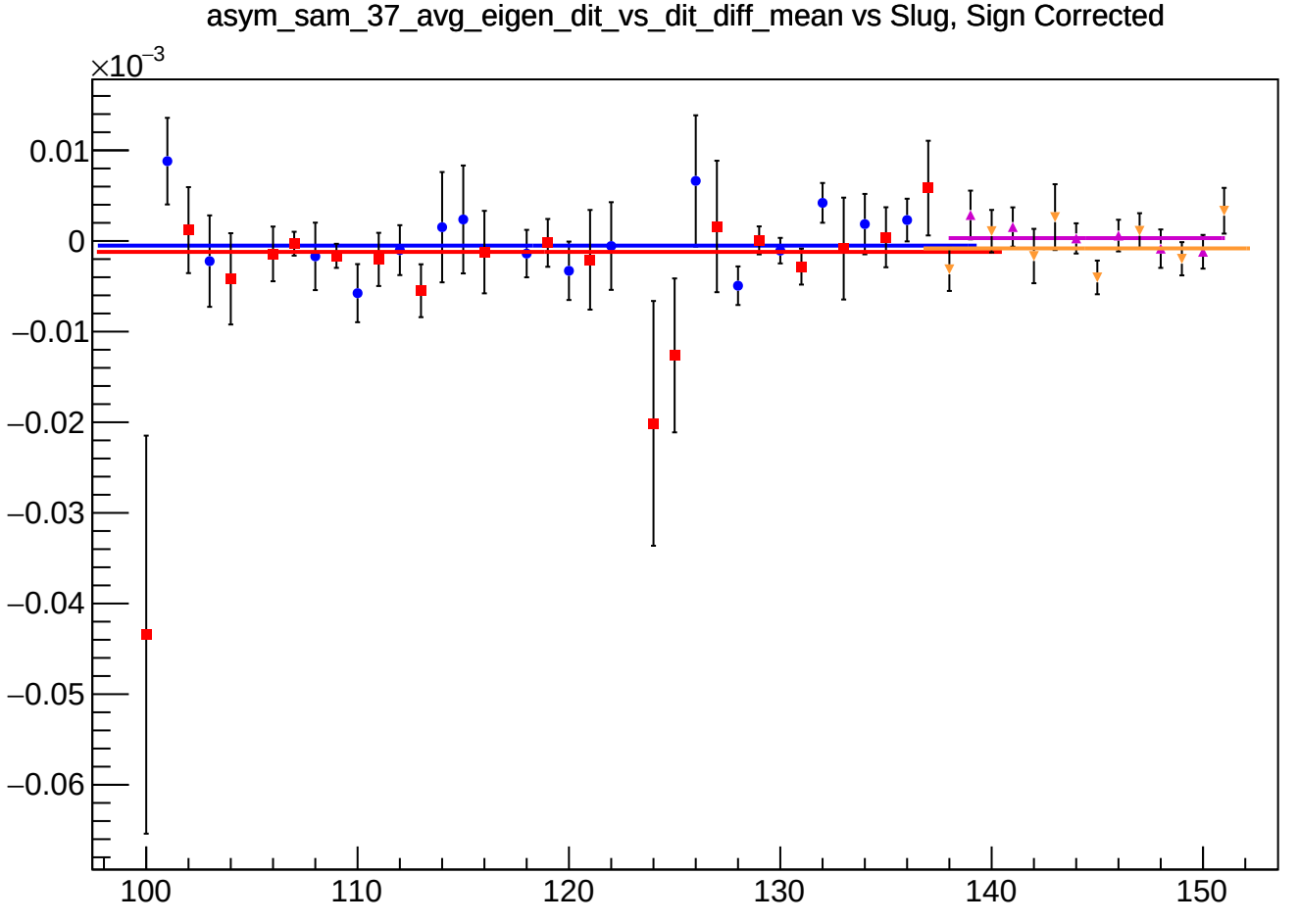
Left: 25.210+/-0.007 χ^2/NDF: 6391778.2/13

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.021+/-0.006 χ^2/NDF:6515401.1/21

Out: 32.423+/-0.007 χ^2/NDF:3853240.1/26

All: 26.755+/-0.005 χ^2/NDF: 11378220.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.2/5

Left: -0.000+/-0.000 χ^2/NDF: 12.8/13

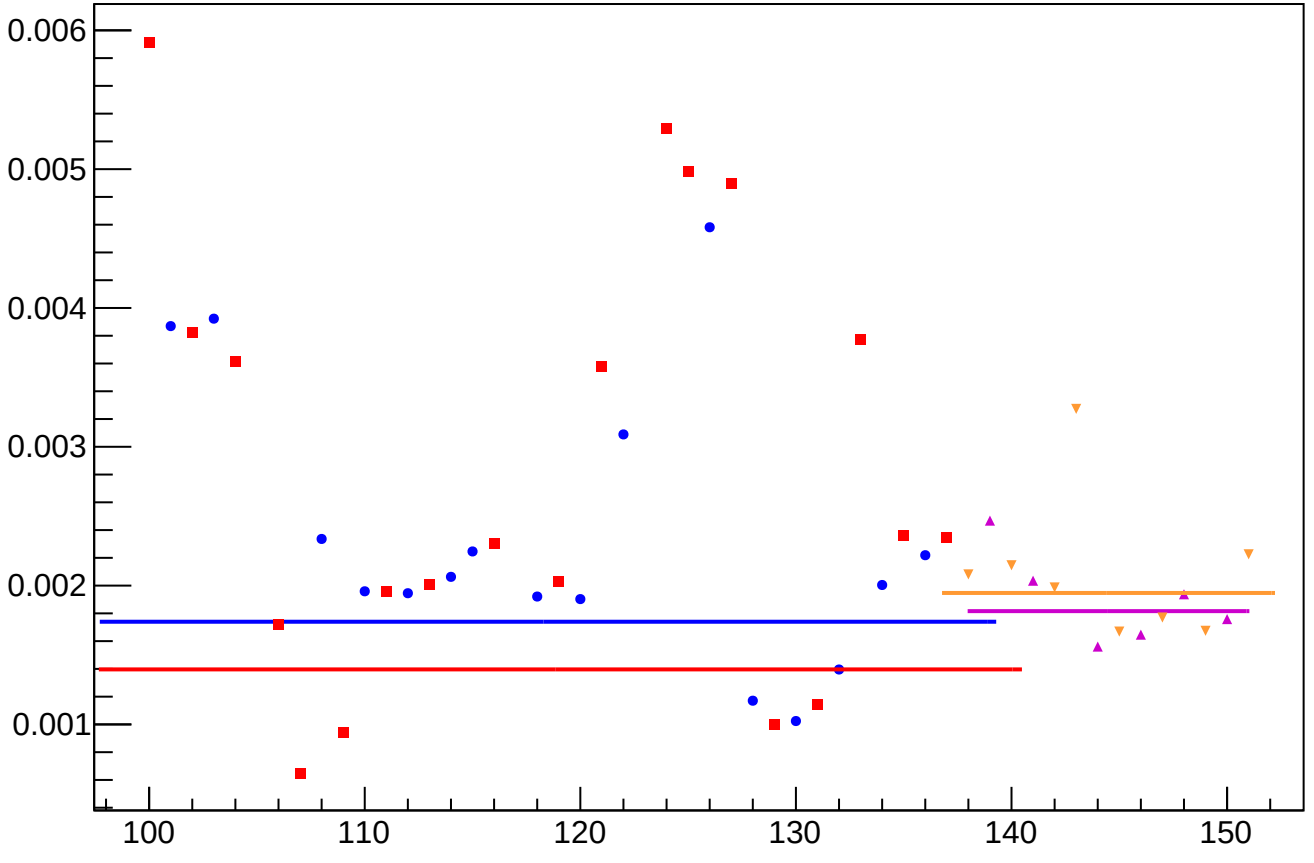
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:22.8/21

Out: -0.000+/-0.000 χ^2/NDF:24.4/26

All: -0.000+/-0.000 χ^2/NDF: 48.8/48

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:417668.1/7

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:212646.3/5

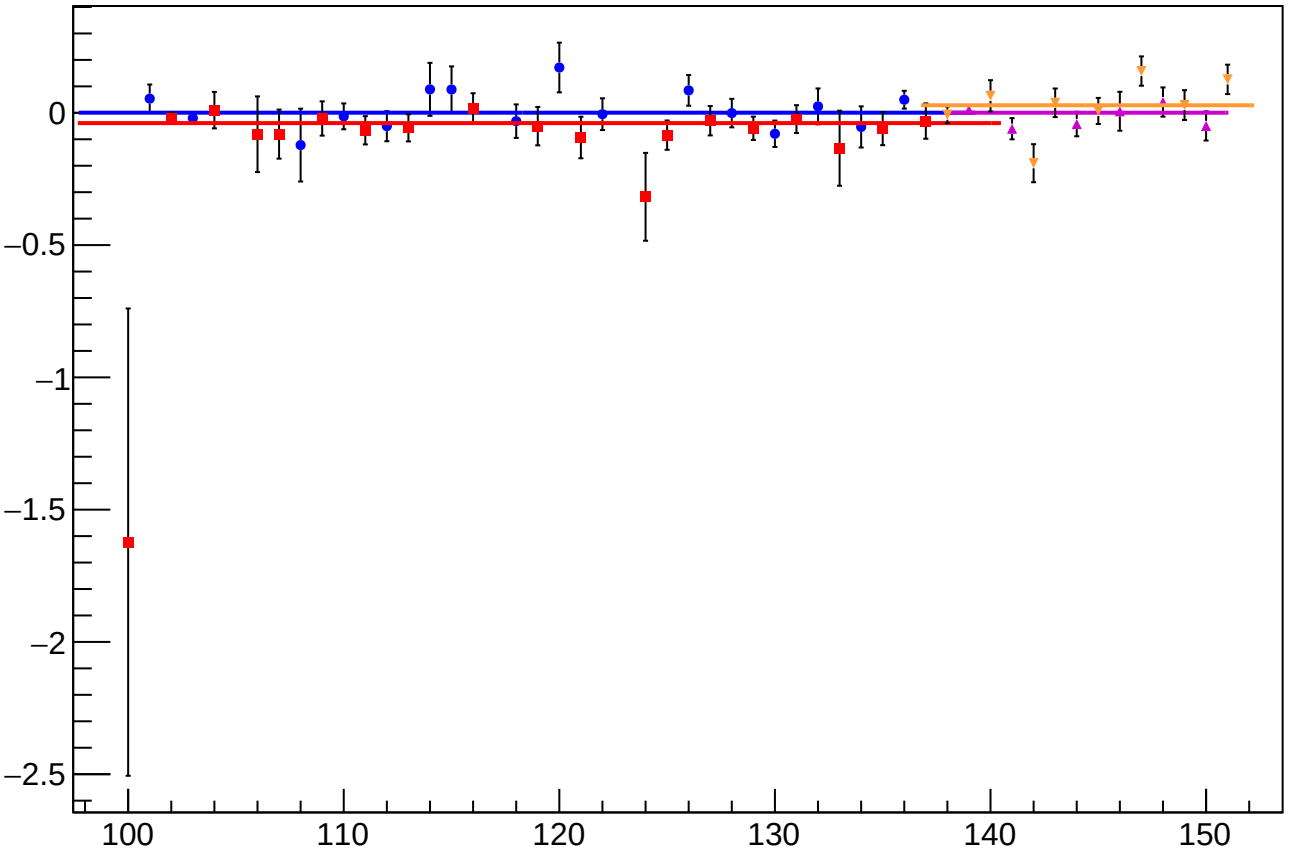
Left: 0.002+/-0.000 χ^2/NDF: 656947.3/13

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2369511.5/21

Out: 0.002+/-0.000 χ^2/NDF:5336587.2/26

All: 0.002+/-0.000 χ^2/NDF: 7823109.8/48



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.000+/-0.012 χ^2/NDF:5.1/5

Left: 0.009+/-0.010 χ^2/NDF: 26.6/13

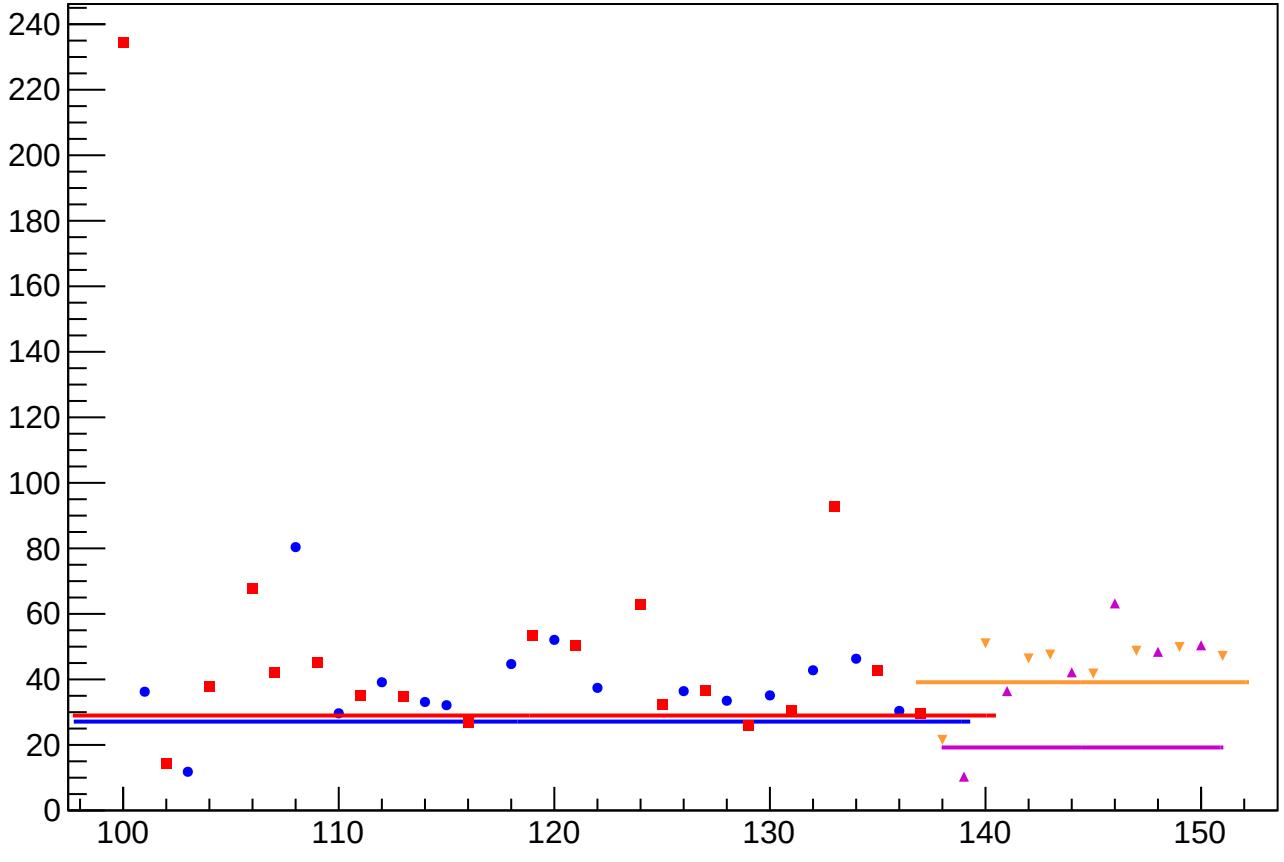
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.000+/-0.008 χ^2/NDF:21.6/21

Out: -0.016+/-0.010 χ^2/NDF:40.4/26

All: -0.006+/-0.006 χ^2/NDF: 63.6/48

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: 39.137+/-0.012 χ^2/NDF:959189.2/7

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.224+/-0.008 χ^2/NDF:3652292.0/5

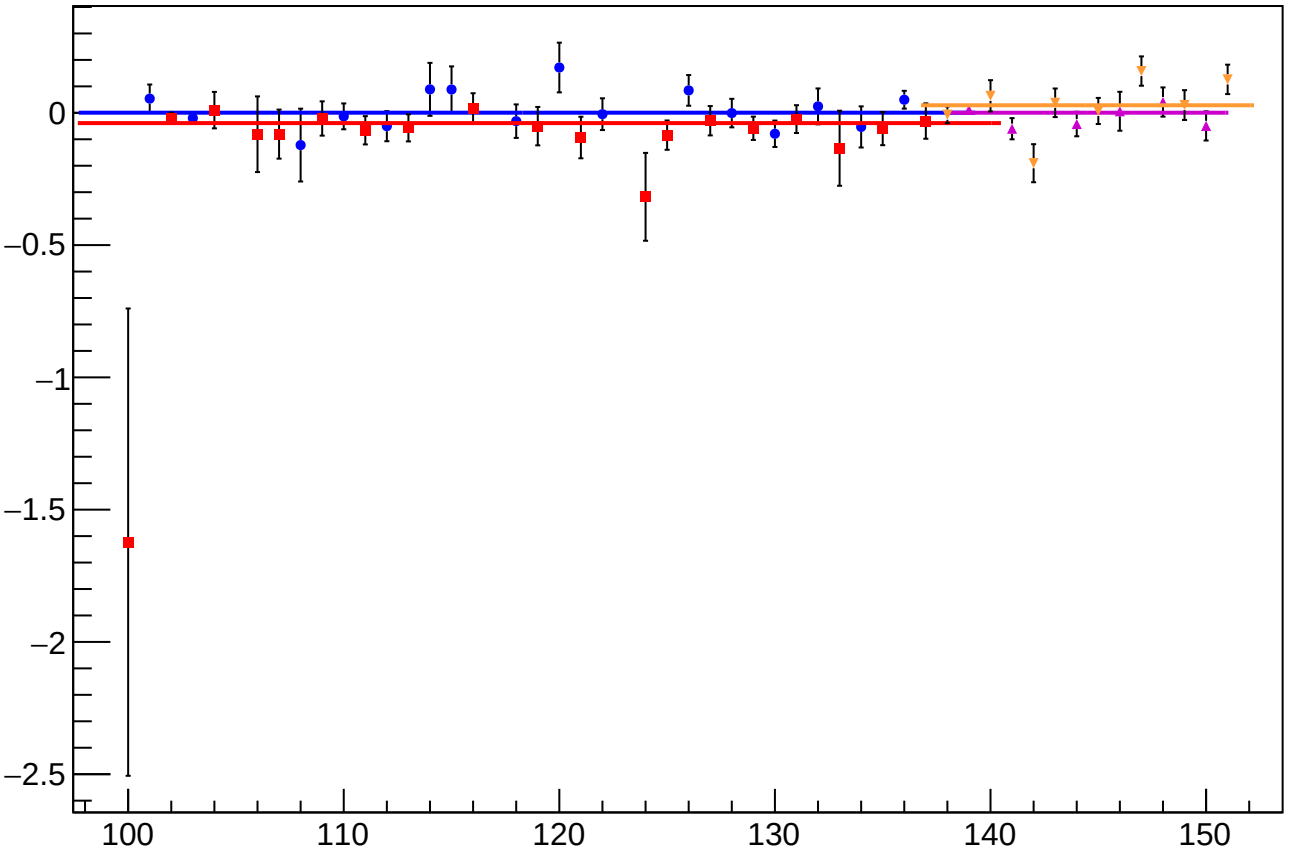
Left: 25.208+/-0.007 χ^2/NDF: 6392825.2/13

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.020+/-0.006 χ^2/NDF:6516365.0/21

Out: 32.424+/-0.007 χ^2/NDF:3852673.4/26

All: 26.754+/-0.005 χ^2/NDF: 11379312.4/48



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.029+/-0.018 χ^2/NDF:19.7/7

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.000+/-0.012 χ^2/NDF:5.1/5

Left: 0.009+/-0.010 χ^2/NDF: 26.6/13

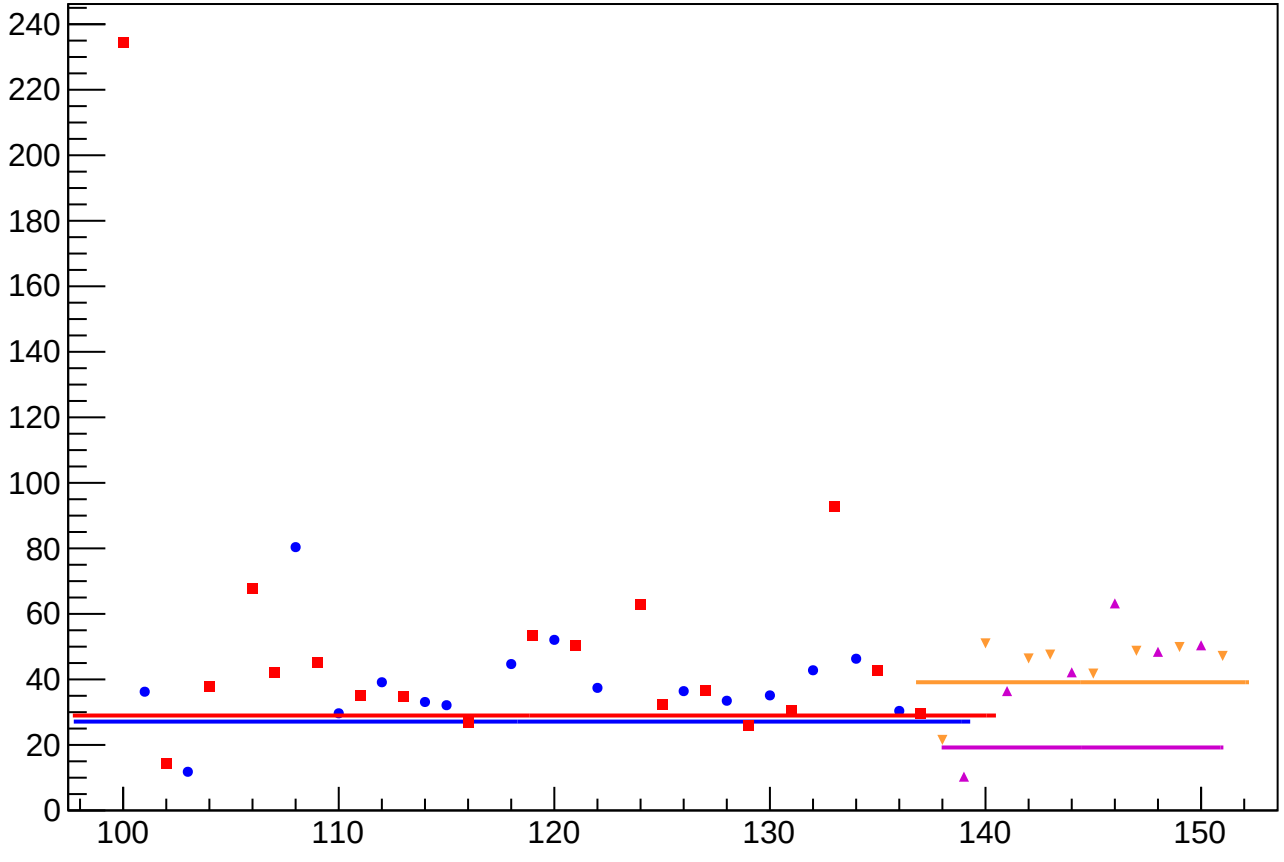
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.000+/-0.008 χ^2/NDF:21.6/21

Out: -0.016+/-0.010 χ^2/NDF:40.4/26

All: -0.006+/-0.006 χ^2/NDF: 63.6/48

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: 39.137+/-0.012 χ^2/NDF:959189.2/7

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 19.224+/-0.008 χ^2/NDF:3652292.0/5

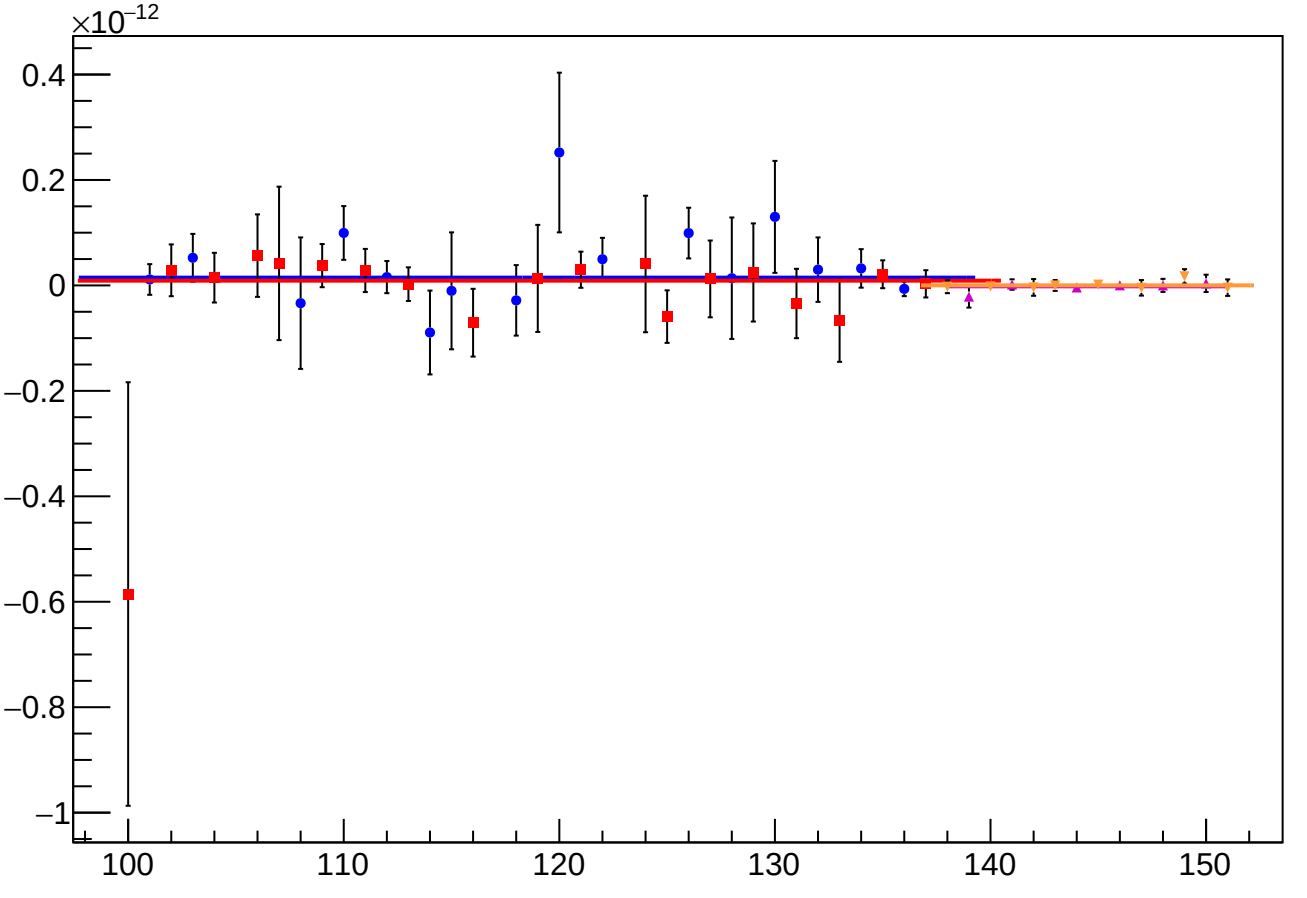
Left: 25.208+/-0.007 χ^2/NDF: 6392825.2/13

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.020+/-0.006 χ^2/NDF:6516365.0/21

Out: 32.424+/-0.007 χ^2/NDF:3852673.4/26

All: 26.754+/-0.005 χ^2/NDF: 11379312.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/5

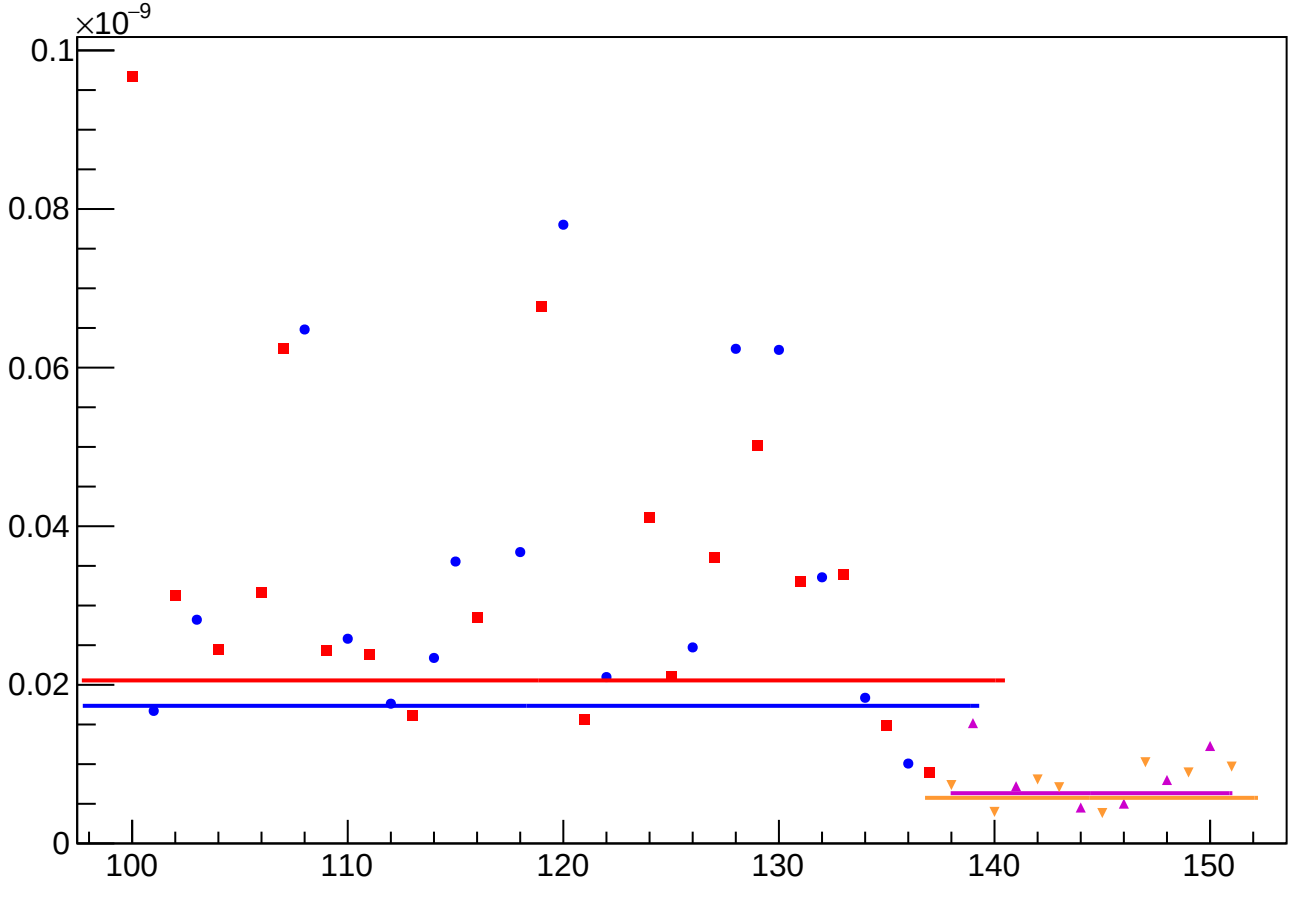
Left: -0.000+/-0.000 χ^2/NDF: 3.4/13

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:19.8/21

Out: 0.000+/-0.000 χ^2/NDF:11.6/26

All: 0.000+/-0.000 χ^2/NDF: 31.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:851775.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:880128.9/5

Left: 0.000+/-0.000 χ^2/NDF: 1755857.4/13

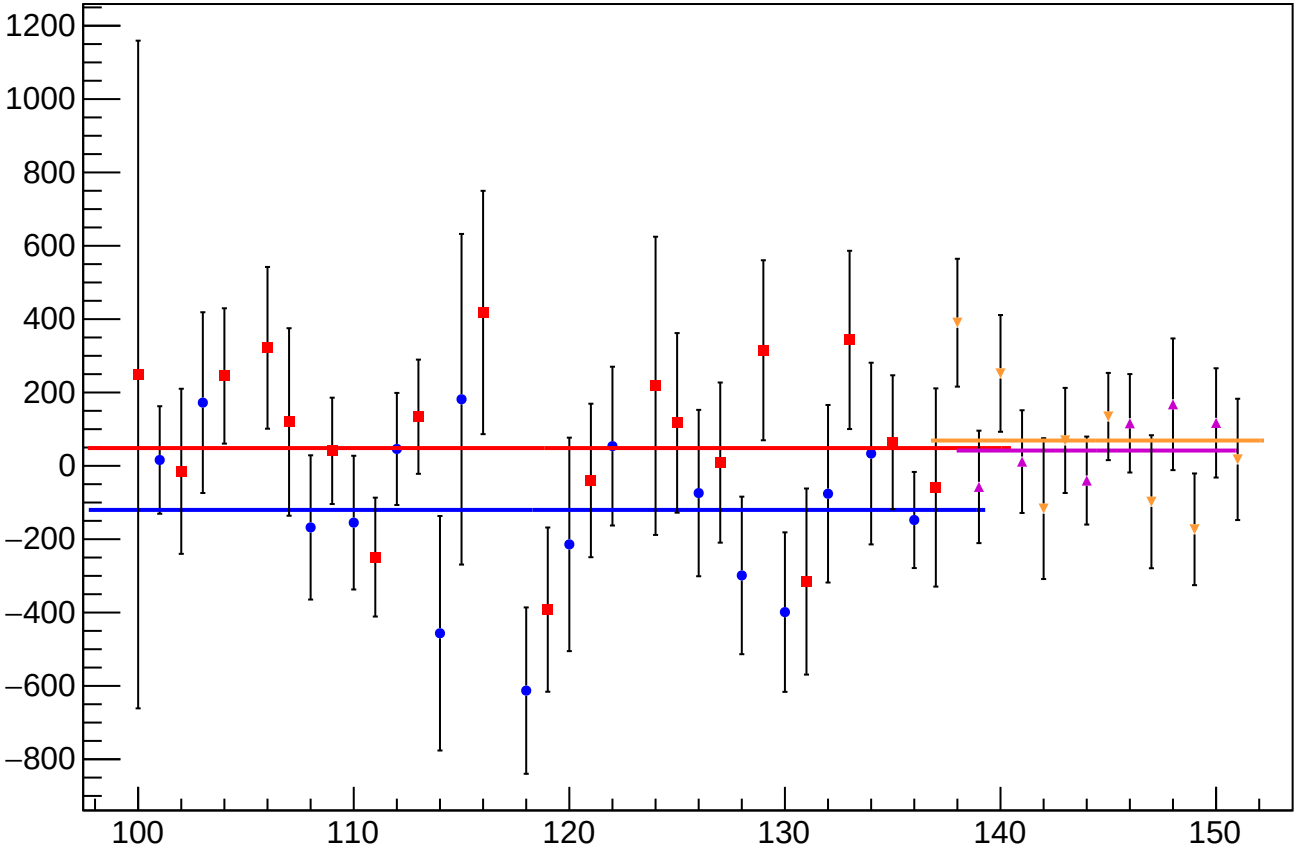
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:5619485.7/21

Out: 0.000+/-0.000 χ^2/NDF:6161617.3/26

All: 0.000+/-0.000 χ^2/NDF: 11842995.2/48

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 69.054+/-55.128 χ^2/NDF:9.4/7

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 41.704+/-58.257 χ^2/NDF:2.0/5

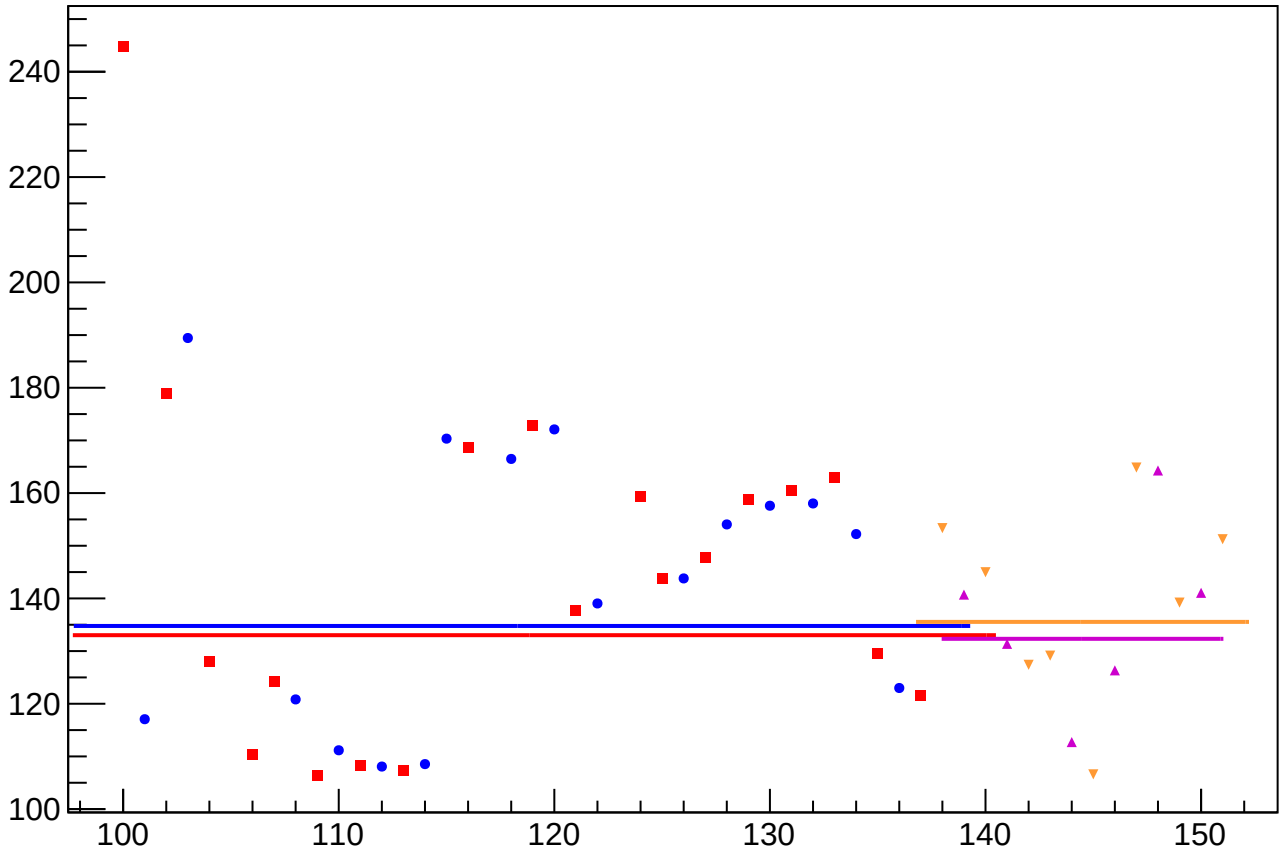
Left: 56.133+/-40.042 χ^2/NDF: 11.5/13

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -49.771+/-38.417 χ^2/NDF:19.8/21

Out: 57.730+/-36.999 χ^2/NDF:26.5/26

All: 6.000+/-26.650 χ^2/NDF: 50.3/48



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 135.544+/-0.039 χ^2/NDF:225448.2/7

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 132.329+/-0.041 χ^2/NDF:133727.6/5

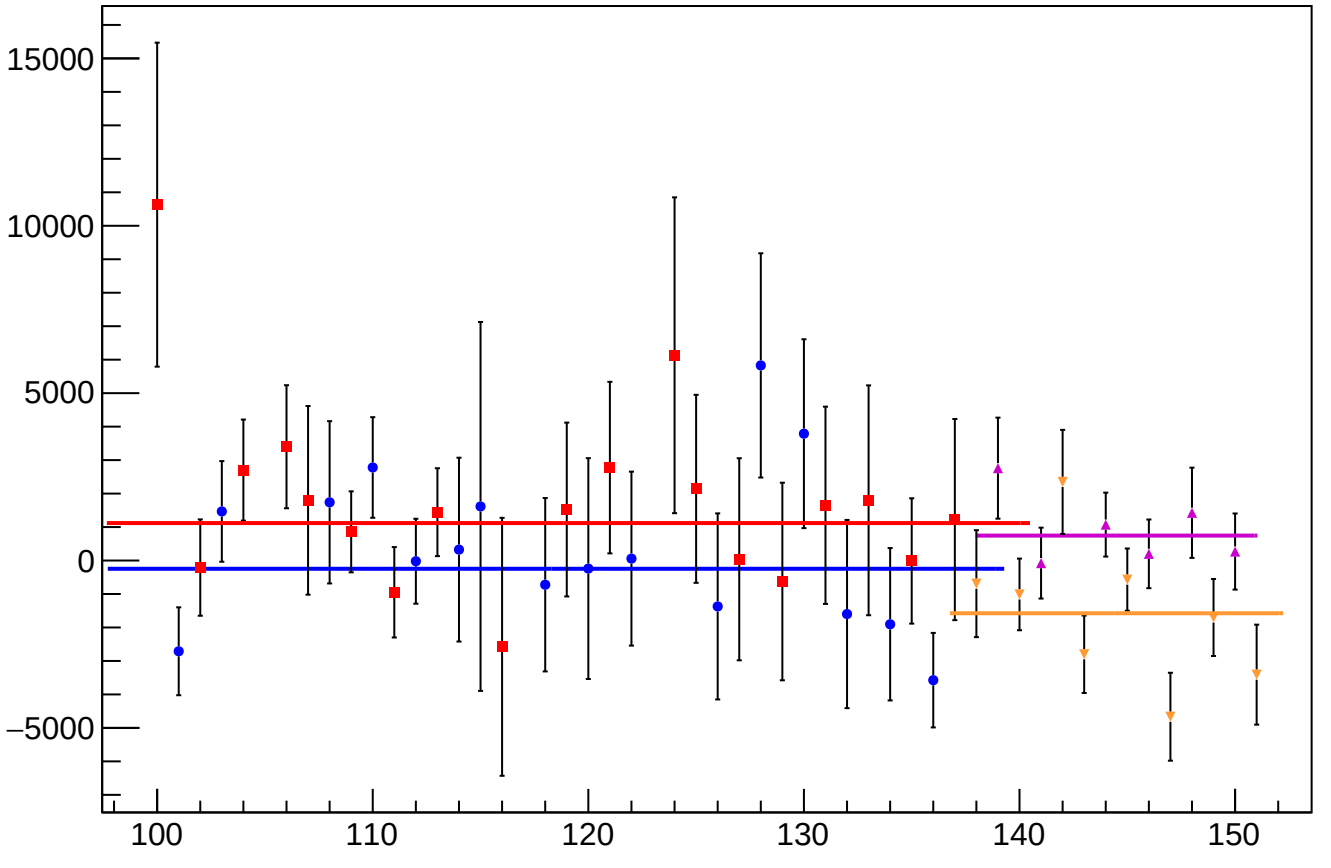
Left: 134.025+/-0.028 χ^2/NDF: 362390.4/13

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 133.709+/-0.027 χ^2/NDF:552492.7/21

Out: 134.157+/-0.026 χ^2/NDF:723471.3/26

All: 133.941+/-0.019 χ^2/NDF: 1276104.9/48



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1575.012+/-431.699 χ^2/NDF:16.3/7

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 744.830+/-461.172 χ^2/NDF:3.2/5

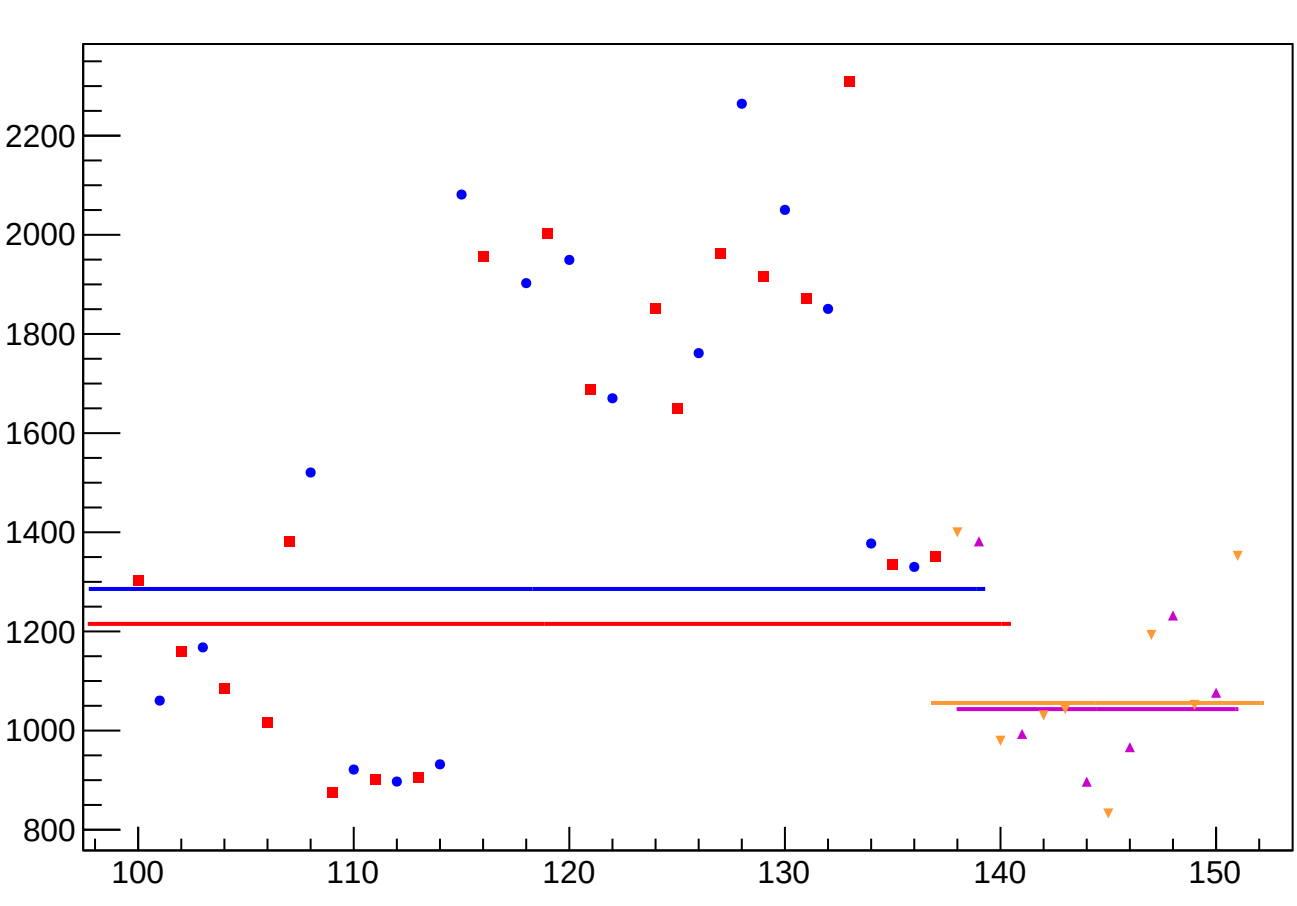
Left: -491.583+/-315.162 χ^2/NDF: 33.0/13

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 290.602+/-339.434 χ^2/NDF:26.9/21

Out: -337.476+/-317.440 χ^2/NDF:47.6/26

All: -44.443+/-231.850 χ^2/NDF: 76.4/48



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1055.708+/-0.305 χ^2/NDF:319591.1/7

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1043.335+/-0.326 χ^2/NDF:204150.6/5

Left: 1049.929+/-0.223 χ^2/NDF: 524509.1/13

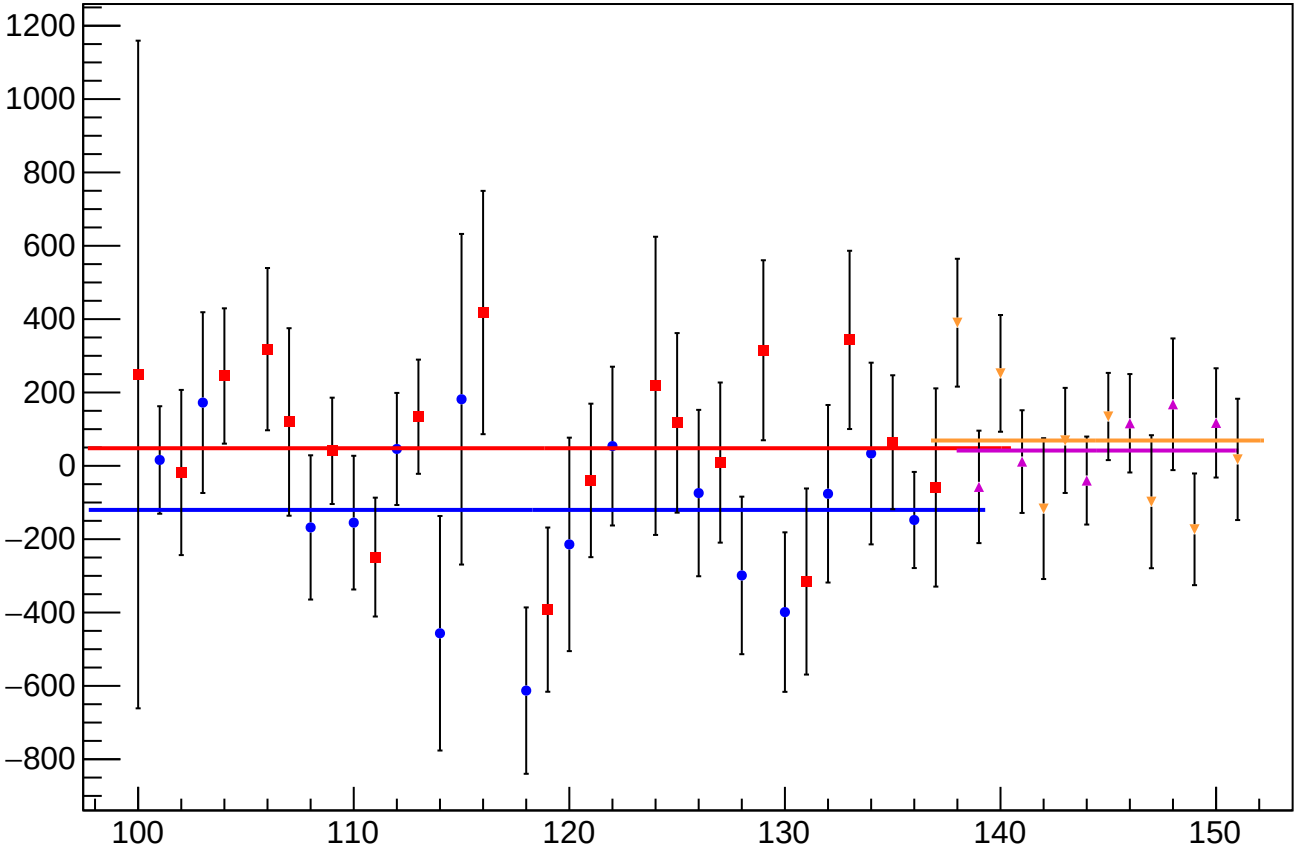
Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1154.388+/-0.240 χ^2/NDF:1627663.5/21

Out: 1128.978+/-0.224 χ^2/NDF:1831322.6/26

All: 1140.833+/-0.164 χ^2/NDF: 3464964.8/48

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 69.067+/-55.128 χ^2/NDF:9.4/7

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 41.710+/-58.257 χ^2/NDF:2.0/5

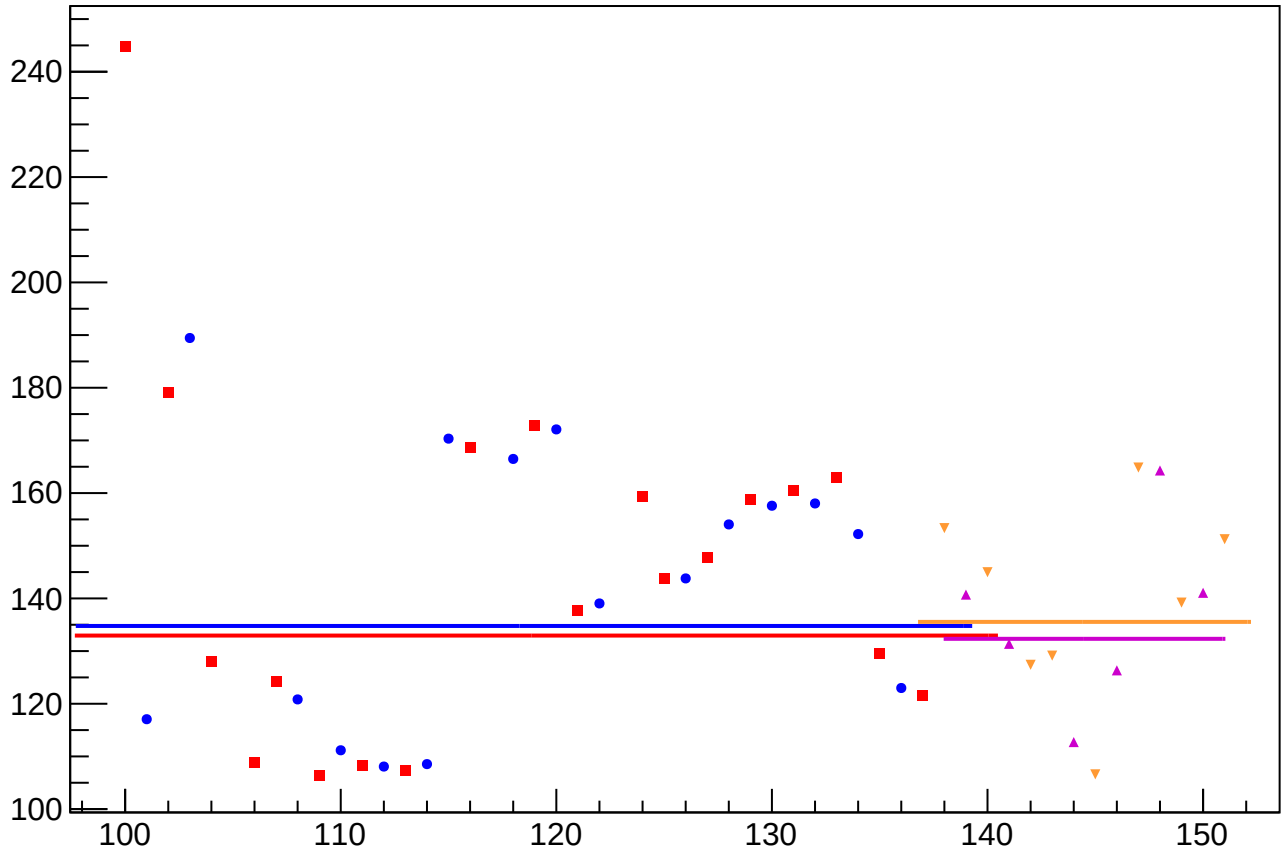
Left: 56.143+/-40.042 χ^2/NDF: 11.5/13

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -49.774+/-38.417 χ^2/NDF:19.8/21

Out: 57.498+/-37.003 χ^2/NDF:26.5/26

All: 5.873+/-26.651 χ^2/NDF: 50.3/48



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 135.544+/-0.039 χ^2/NDF:225448.2/7

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 132.329+/-0.041 χ^2/NDF:133727.6/5

Left: 134.025+/-0.028 χ^2/NDF: 362390.4/13

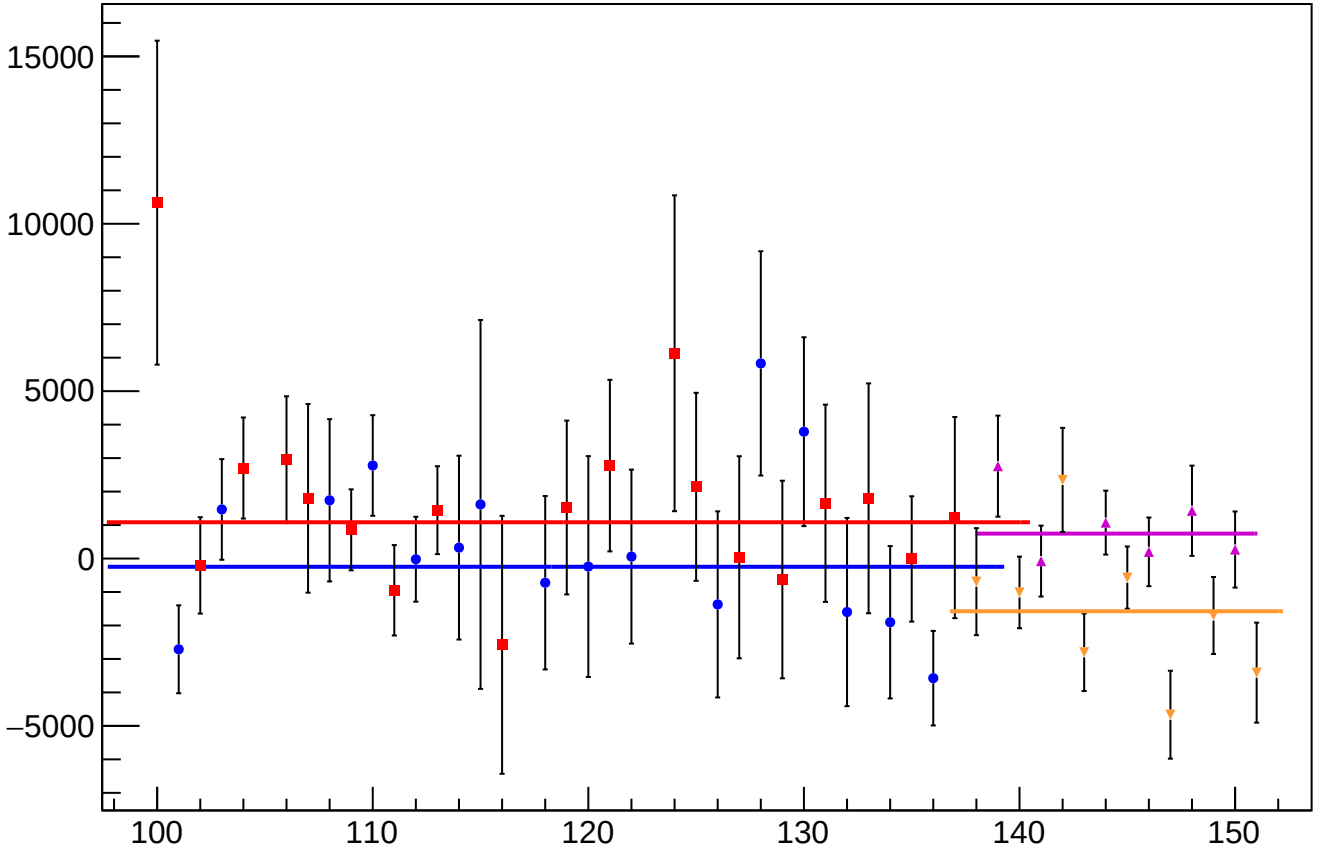
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 133.709+/-0.027 χ^2/NDF:552495.8/21

Out: 134.117+/-0.026 χ^2/NDF:726738.5/26

All: 133.921+/-0.019 χ^2/NDF: 1279351.4/48

asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1574.999+/-431.699 χ^2/NDF:16.3/7

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 744.845+/-461.172 χ^2/NDF:3.2/5

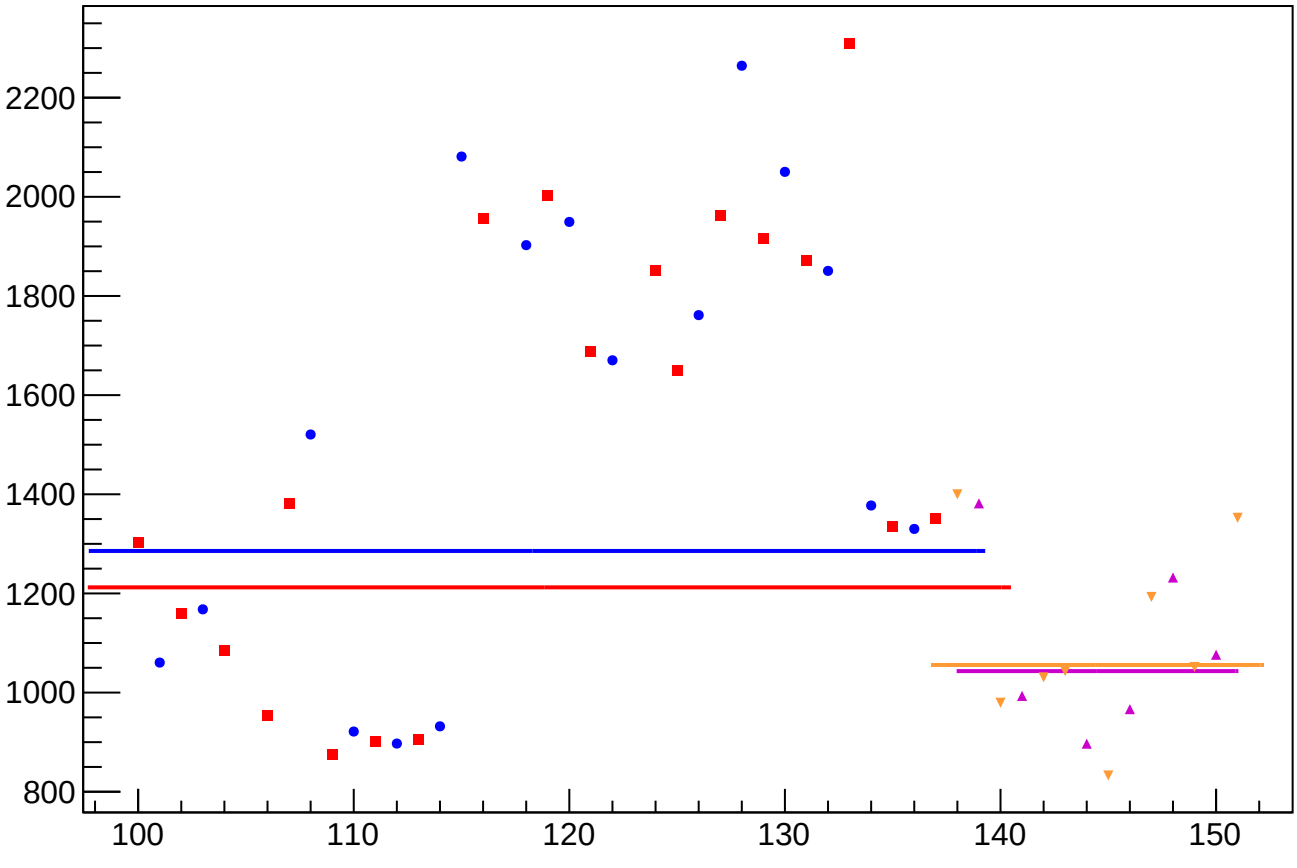
Left: -491.569+/-315.162 χ^2/NDF: 33.0/13

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 290.582+/-339.435 χ^2/NDF:26.9/21

Out: -356.296+/-317.727 χ^2/NDF:46.5/26

All: -54.202+/-231.962 χ^2/NDF: 75.4/48



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1055.707+/-0.305 χ^2/NDF:319593.8/7

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1043.335+/-0.326 χ^2/NDF:204149.0/5

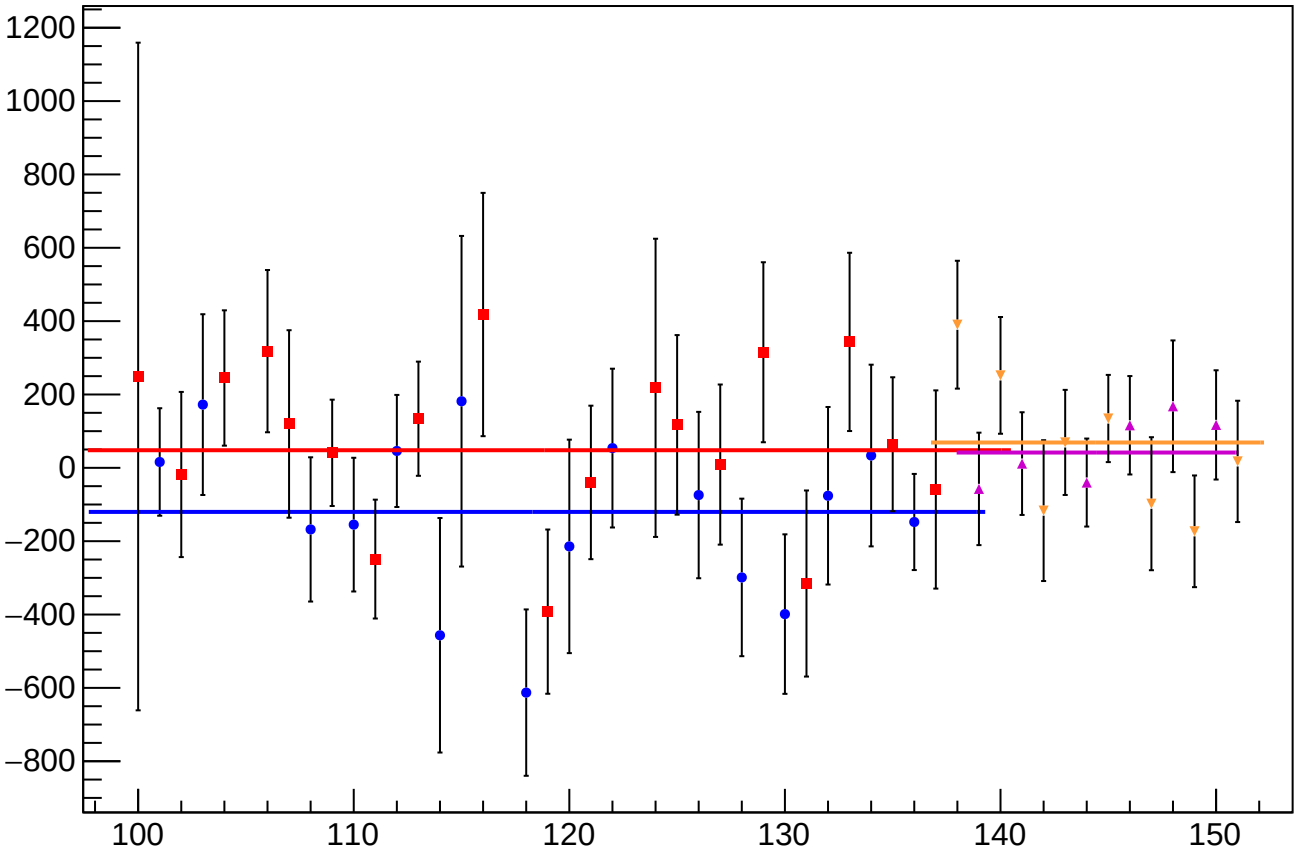
Left: 1049.929+/-0.223 χ^2/NDF: 524510.1/13

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1154.393+/-0.240 χ^2/NDF:1627661.6/21

Out: 1127.465+/-0.225 χ^2/NDF:1840799.2/26

All: 1140.041+/-0.164 χ^2/NDF: 3475169.9/48



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 69.067+/-55.128 χ^2/NDF:9.4/7

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 41.710+/-58.257 χ^2/NDF:2.0/5

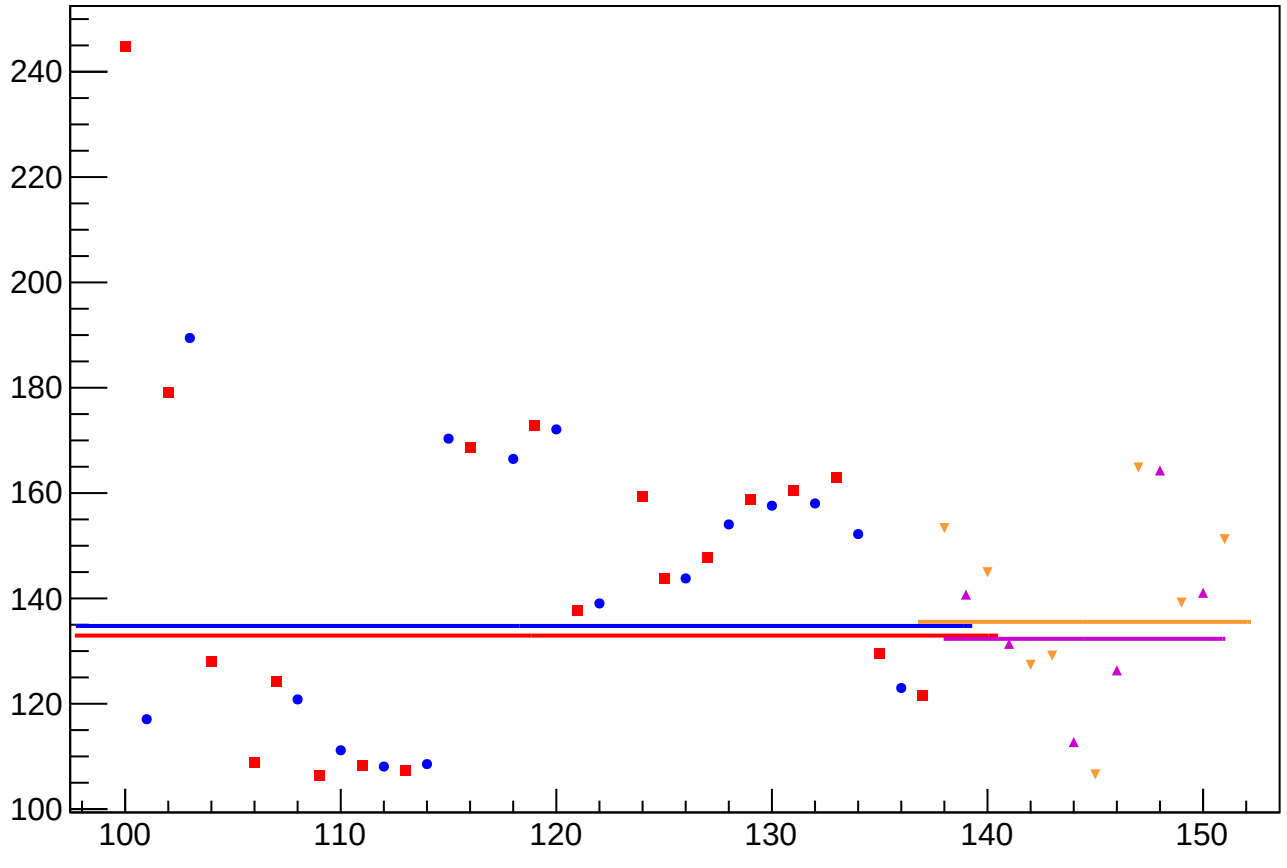
Left: 56.143+/-40.042 χ^2/NDF: 11.5/13

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -49.774+/-38.417 χ^2/NDF:19.8/21

Out: 57.498+/-37.003 χ^2/NDF:26.5/26

All: 5.873+/-26.651 χ^2/NDF: 50.3/48



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 135.544+/-0.039 χ^2/NDF:225448.2/7

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 132.329+/-0.041 χ^2/NDF:133727.6/5

Left: 134.025+/-0.028 χ^2/NDF: 362390.4/13

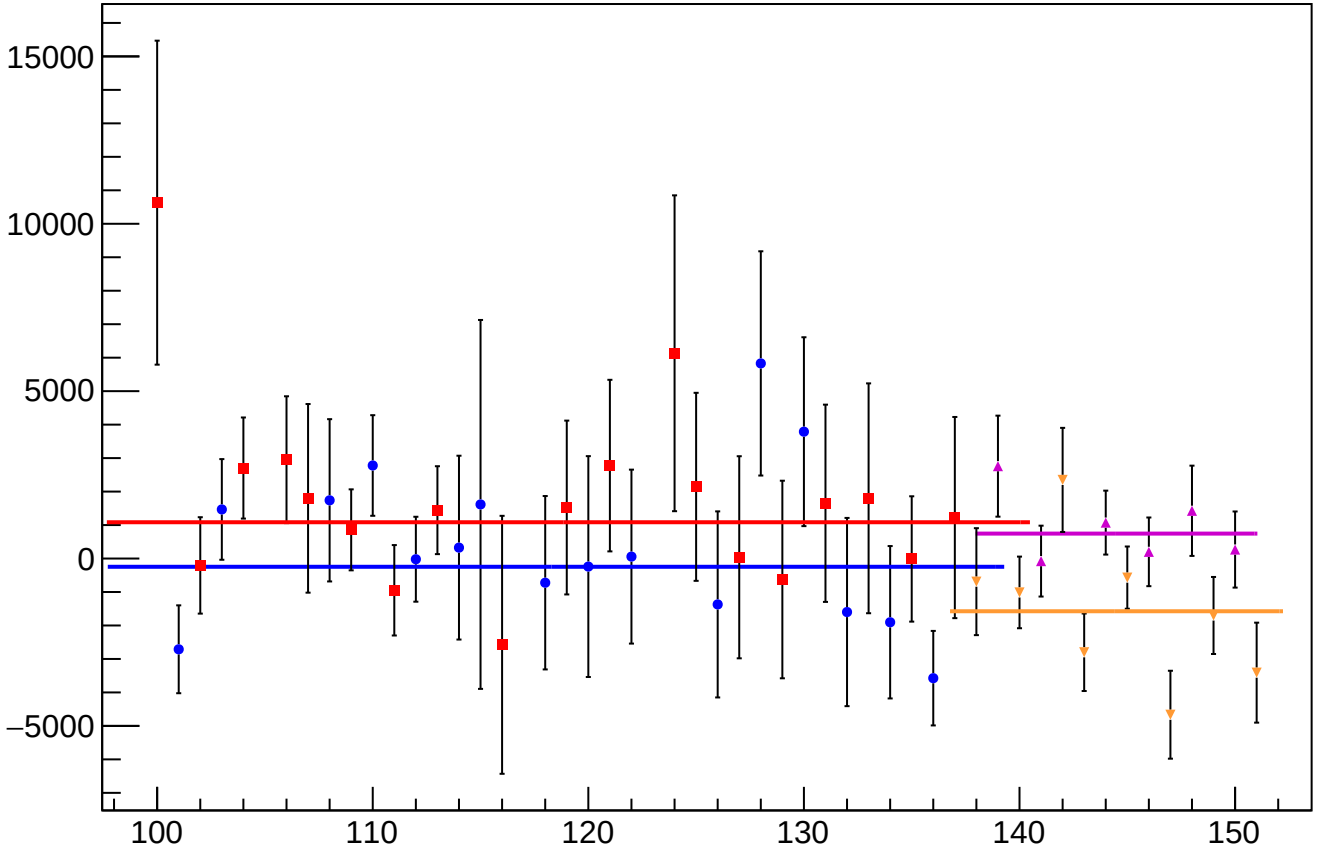
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 133.709+/-0.027 χ^2/NDF:552495.8/21

Out: 134.117+/-0.026 χ^2/NDF:726738.5/26

All: 133.921+/-0.019 χ^2/NDF: 1279351.4/48

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: -1574.999+/-431.699 χ^2/NDF:16.3/7

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 744.845+/-461.172 χ^2/NDF:3.2/5

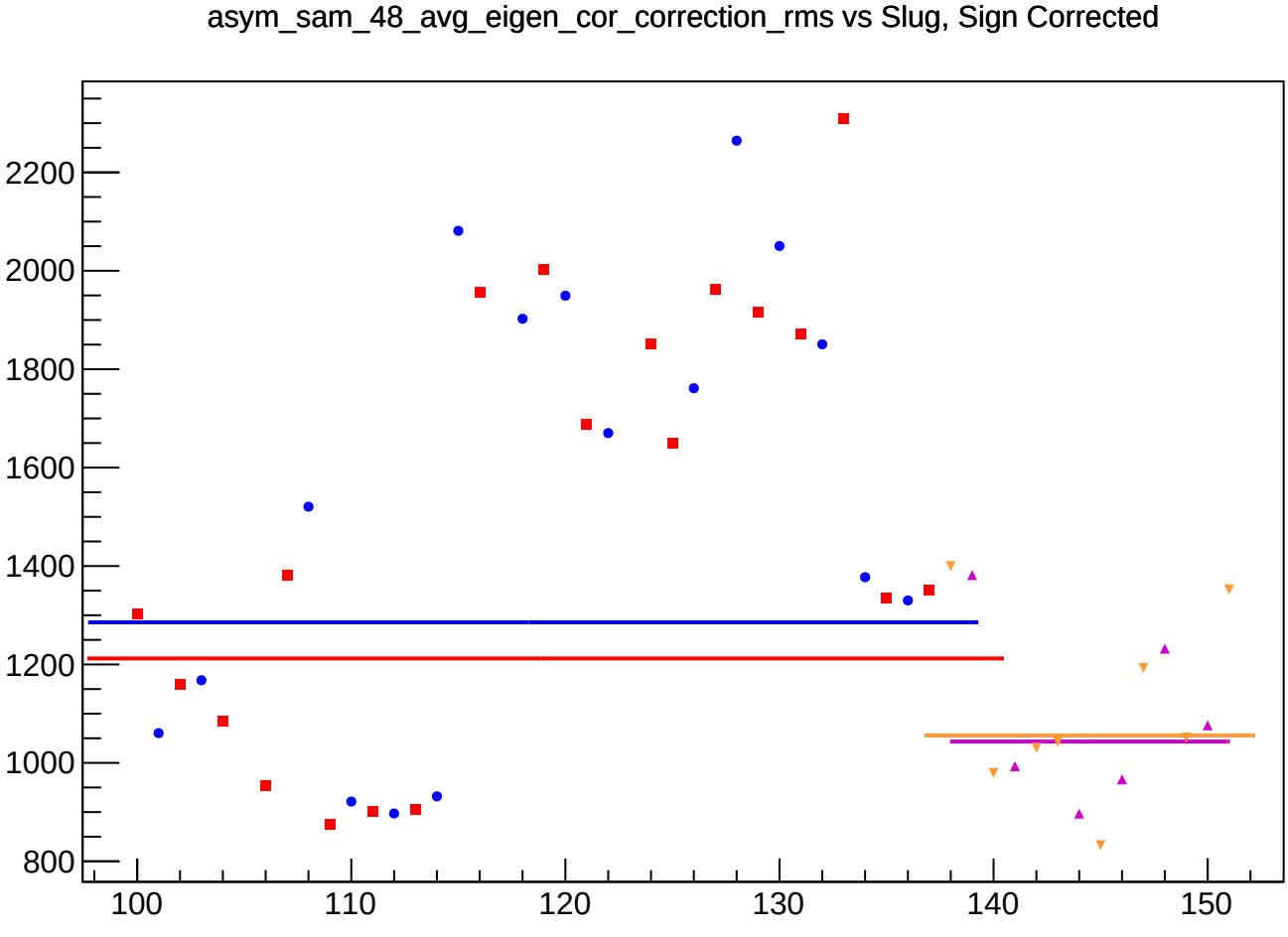
Left: -491.569+/-315.162 χ^2/NDF: 33.0/13

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 290.582+/-339.435 χ^2/NDF:26.9/21

Out: -356.296+/-317.727 χ^2/NDF:46.5/26

All: -54.202+/-231.962 χ^2/NDF: 75.4/48



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1055.707+/-0.305 χ^2/NDF:319593.8/7

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1043.335+/-0.326 χ^2/NDF:204149.0/5

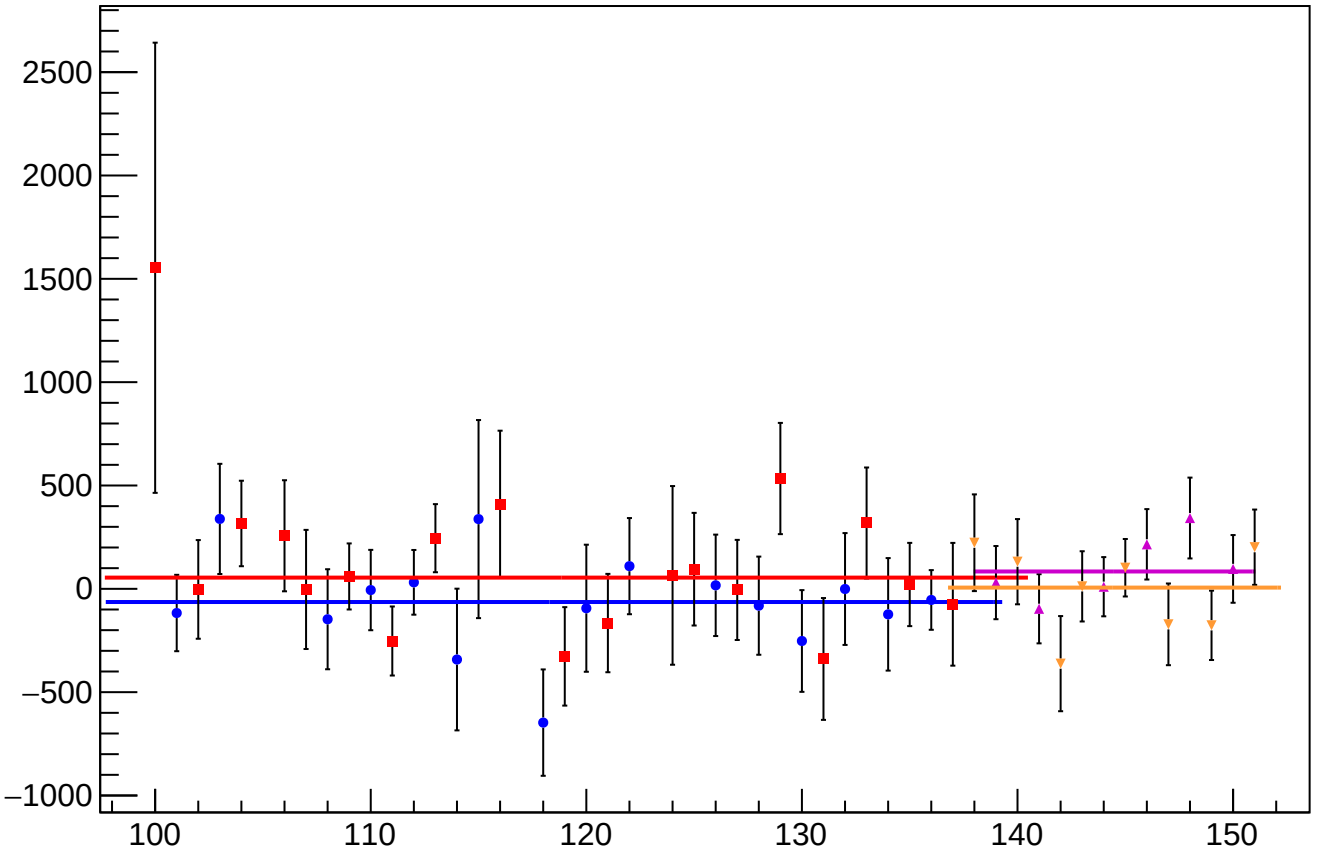
Left: 1049.929+/-0.223 χ^2/NDF: 524510.1/13

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1154.393+/-0.240 χ^2/NDF:1627661.6/21

Out: 1127.465+/-0.225 χ^2/NDF:1840799.2/26

All: 1140.041+/-0.164 χ^2/NDF: 3475169.9/48



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 5.973+/-64.793 χ^2/NDF:7.4/7

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 83.965+/-68.324 χ^2/NDF:3.9/5

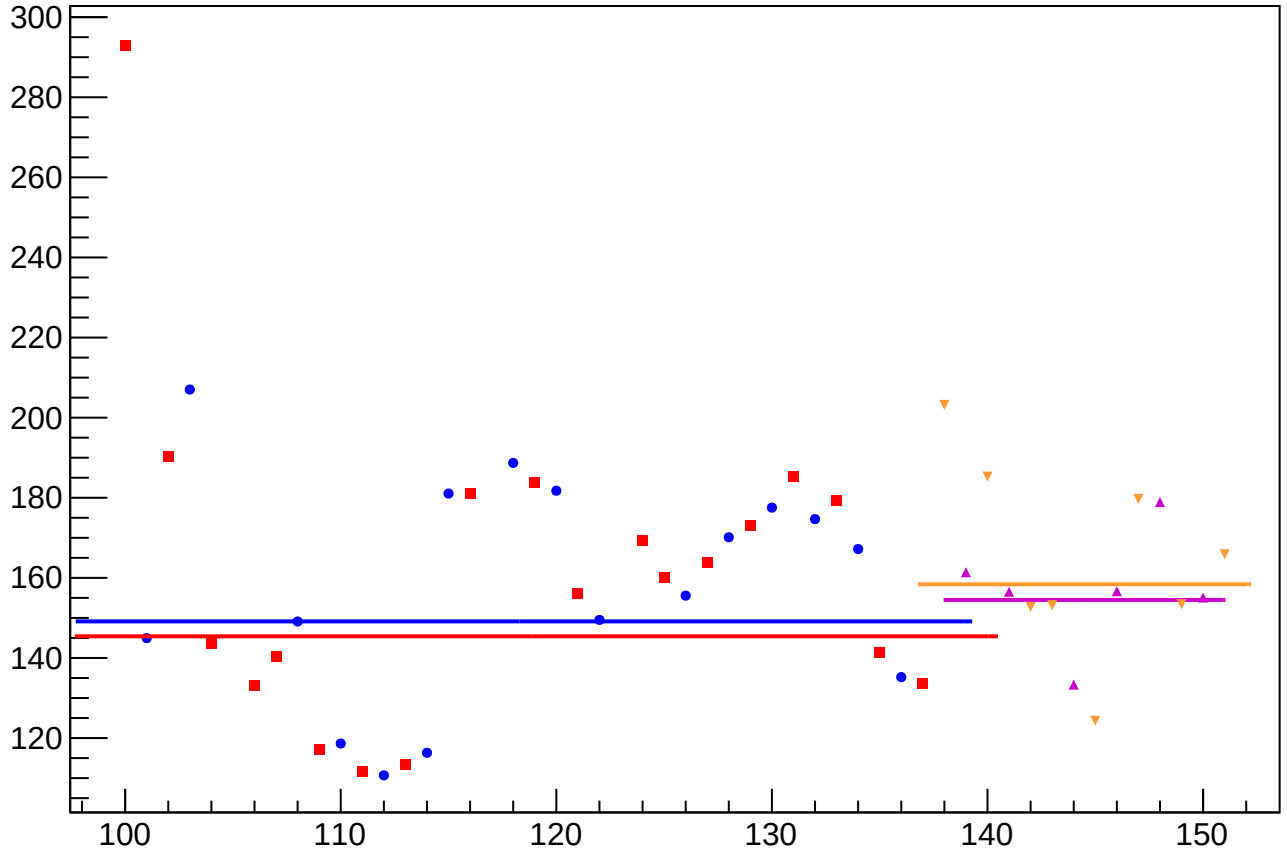
Left: 42.902+/-47.014 χ^2/NDF: 12.0/13

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: -3.485+/-43.648 χ^2/NDF:17.4/21

Out: 34.174+/-41.816 χ^2/NDF:27.2/26

All: 16.151+/-30.195 χ^2/NDF: 45.1/48



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.382+/-0.046 χ^2/NDF:258793.0/7

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 154.489+/-0.048 χ^2/NDF:78520.9/5

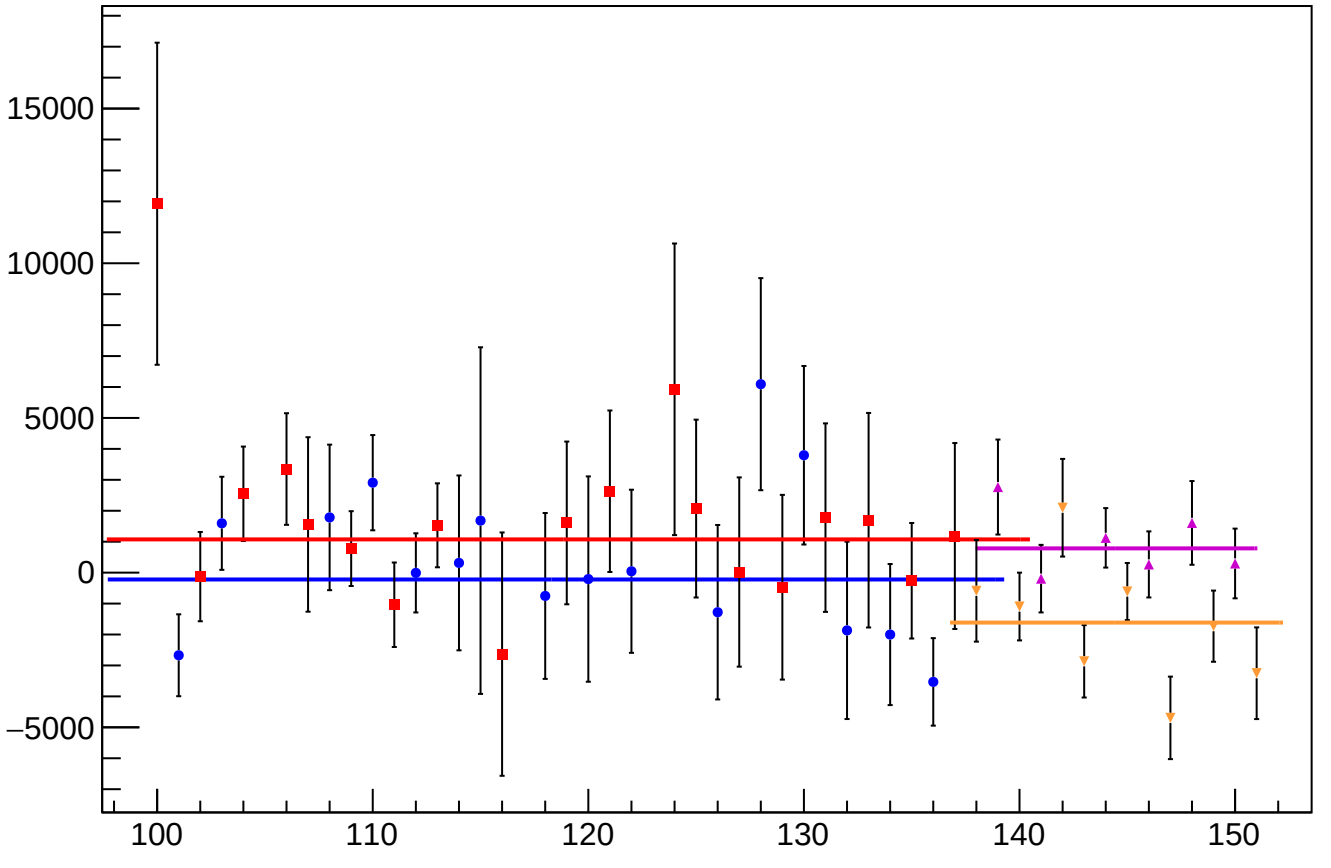
Left: 156.539+/-0.033 χ^2/NDF: 340732.1/13

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 151.317+/-0.031 χ^2/NDF:536806.6/21

Out: 150.807+/-0.030 χ^2/NDF:831465.8/26

All: 151.051+/-0.021 χ^2/NDF: 1368415.1/48



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1614.169+/-434.984 χ^2/NDF:15.0/7

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 784.031+/-468.491 χ^2/NDF:3.4/5

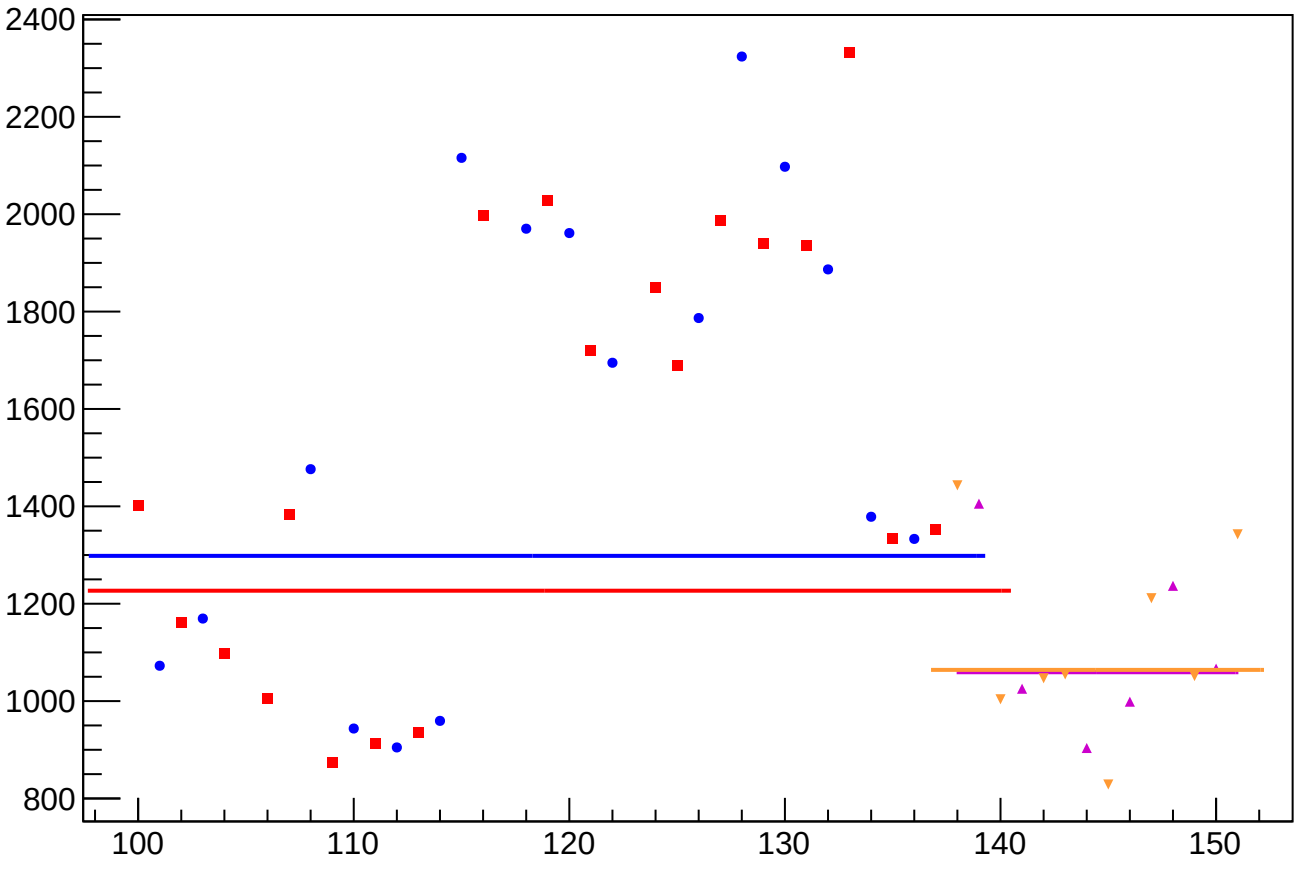
Left: -503.889+/-318.768 χ^2/NDF: 32.5/13

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 320.231+/-343.833 χ^2/NDF:27.4/21

Out: -381.721+/-320.121 χ^2/NDF:46.2/26

All: -55.782+/-234.294 χ^2/NDF: 75.8/48



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1064.108+/-0.308 χ^2/NDF:338345.5/7

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1059.275+/-0.331 χ^2/NDF:196932.9/5

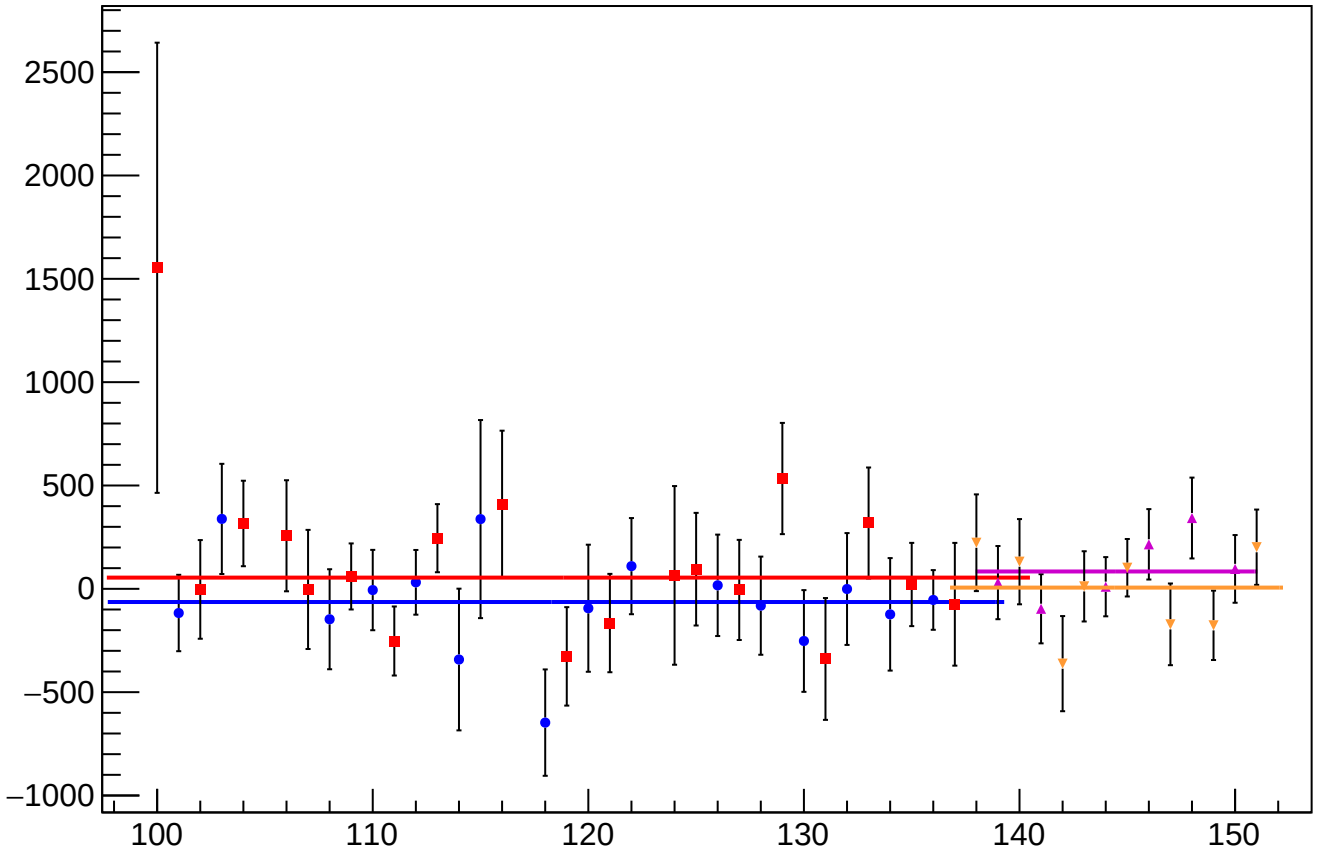
Left: 1061.871+/-0.225 χ^2/NDF: 535392.7/13

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1169.551+/-0.243 χ^2/NDF:1619234.8/21

Out: 1138.653+/-0.226 χ^2/NDF:1871005.1/26

All: 1153.000+/-0.166 χ^2/NDF: 3498891.3/48



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 5.973+/-64.793 χ^2/NDF:7.4/7

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 83.965+/-68.324 χ^2/NDF:3.9/5

Left: 42.902+/-47.014 χ^2/NDF: 12.0/13

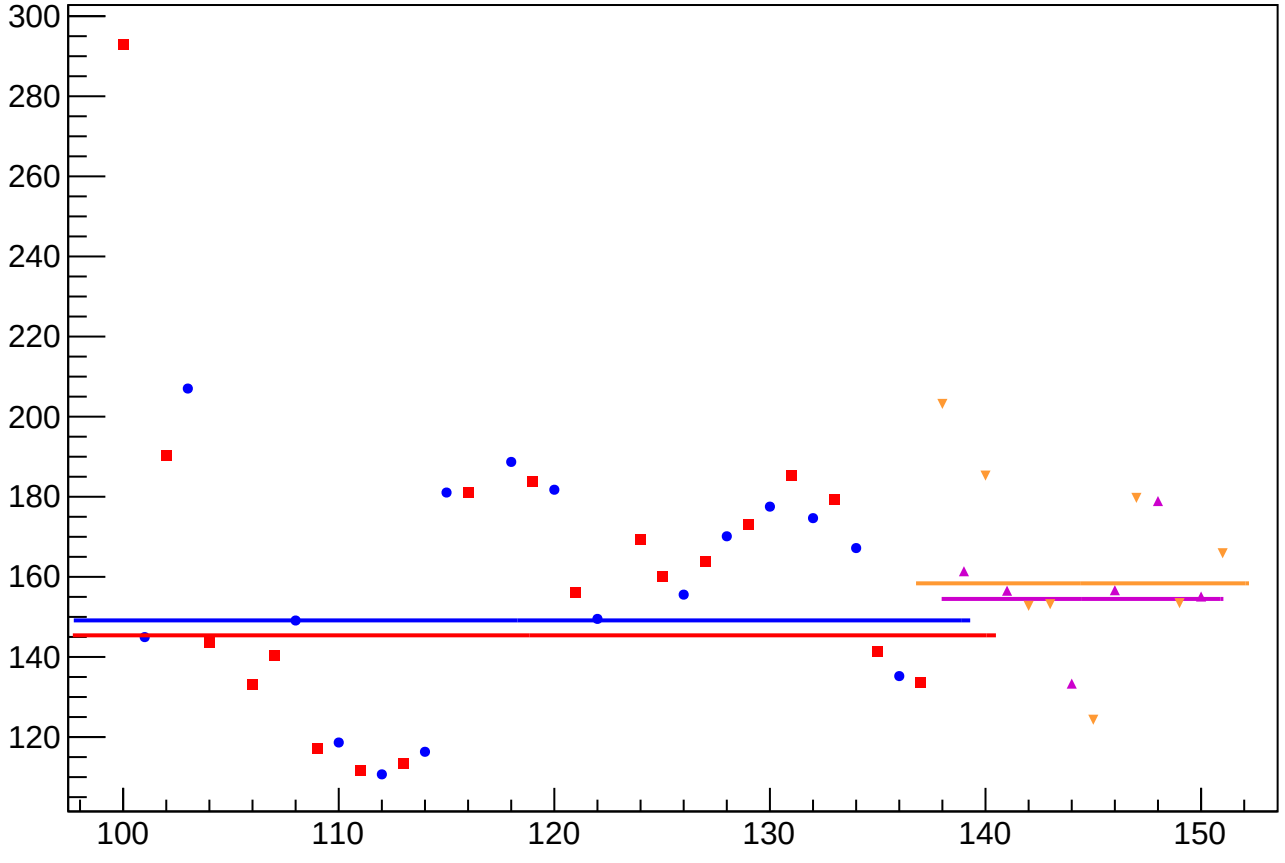
Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: -3.483+/-43.648 χ^2/NDF:17.4/21

Out: 34.174+/-41.816 χ^2/NDF:27.2/26

All: 16.152+/-30.195 χ^2/NDF: 45.1/48

eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.382+/-0.046 χ^2/NDF:258786.9/7

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 154.489+/-0.048 χ^2/NDF:78519.3/5

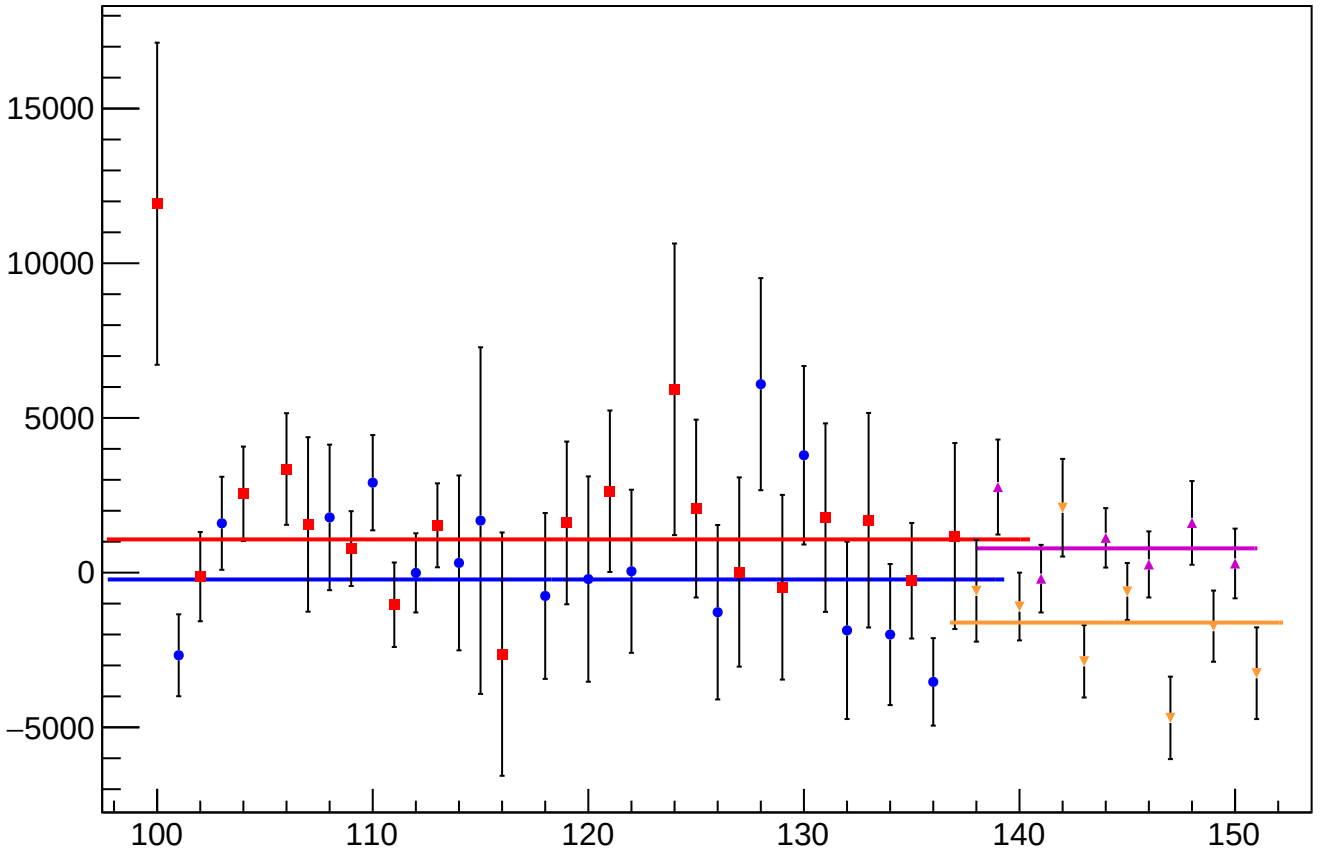
Left: 156.539+/-0.033 χ^2/NDF: 340724.5/13

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 151.317+/-0.031 χ^2/NDF:536807.5/21

Out: 150.807+/-0.030 χ^2/NDF:831465.1/26

All: 151.051+/-0.021 χ^2/NDF: 1368415.3/48



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1614.168+/-434.983 χ^2/NDF:15.0/7

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 784.031+/-468.491 χ^2/NDF:3.4/5

Left: -503.889+/-318.768 χ^2/NDF: 32.5/13

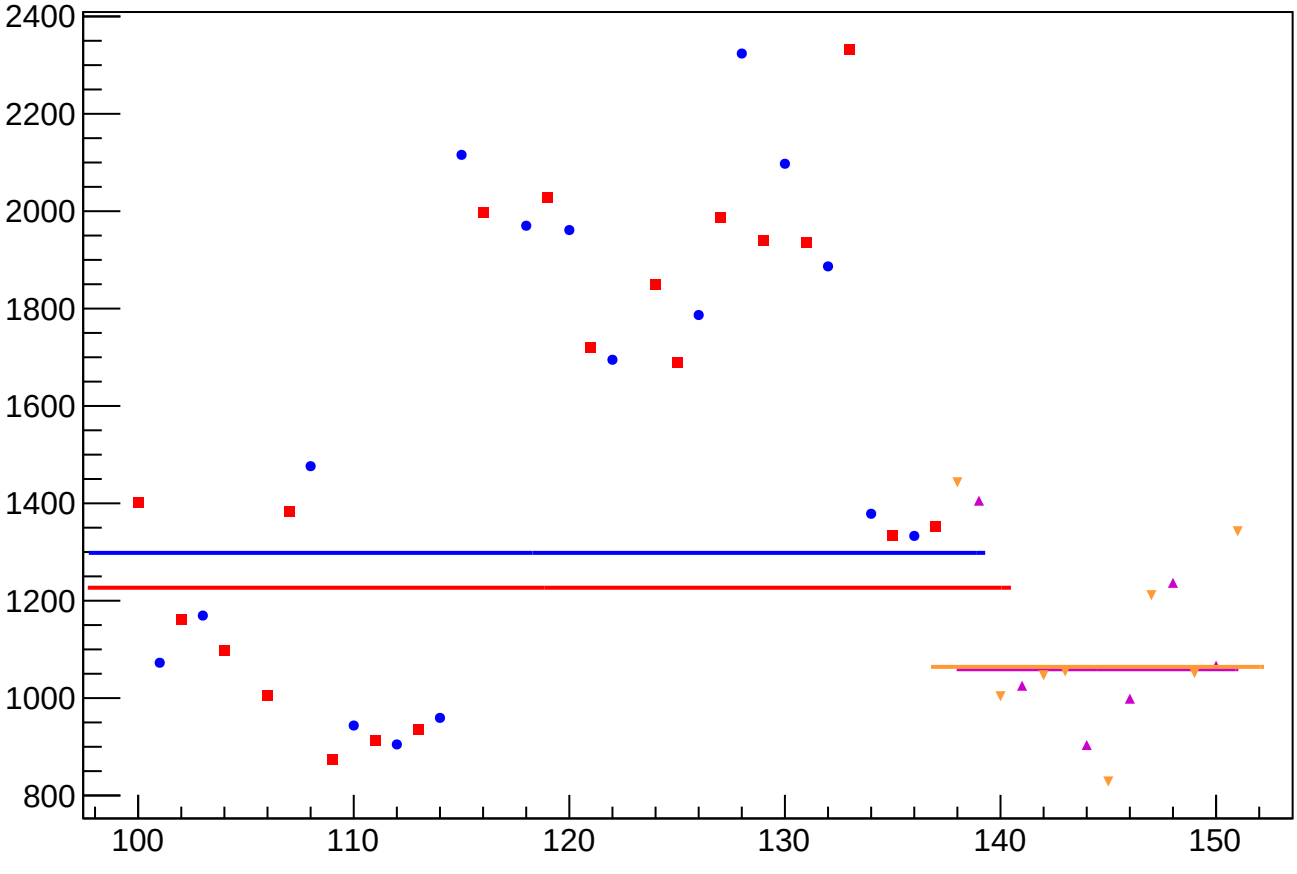
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 320.231+/-343.833 χ^2/NDF:27.4/21

Out: -381.721+/-320.120 χ^2/NDF:46.2/26

All: -55.782+/-234.294 χ^2/NDF: 75.8/48

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: 1064.106+/-0.308 χ^2/NDF:338348.1/7

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1059.275+/-0.331 χ^2/NDF:196933.4/5

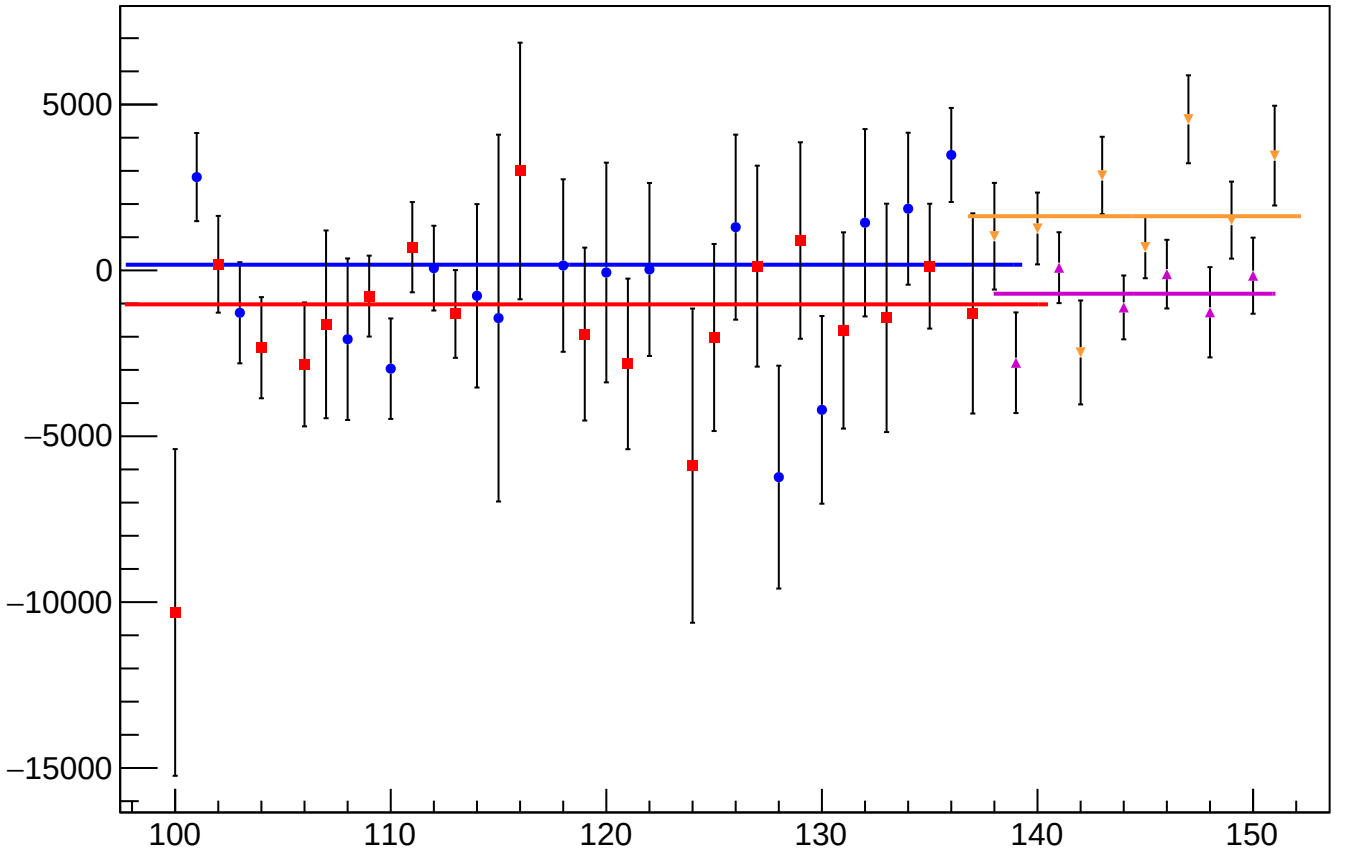
Left: 1061.870+/-0.225 χ^2/NDF: 535395.8/13

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1169.550+/-0.243 χ^2/NDF:1619238.2/21

Out: 1138.651+/-0.226 χ^2/NDF:1871011.1/26

All: 1152.998+/-0.166 χ^2/NDF: 3498901.0/48



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1633.375+/-435.396 χ^2/NDF:15.6/7

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -703.054+/-464.996 χ^2/NDF:3.3/5

Left: 541.887+/-317.821 χ^2/NDF: 32.3/13

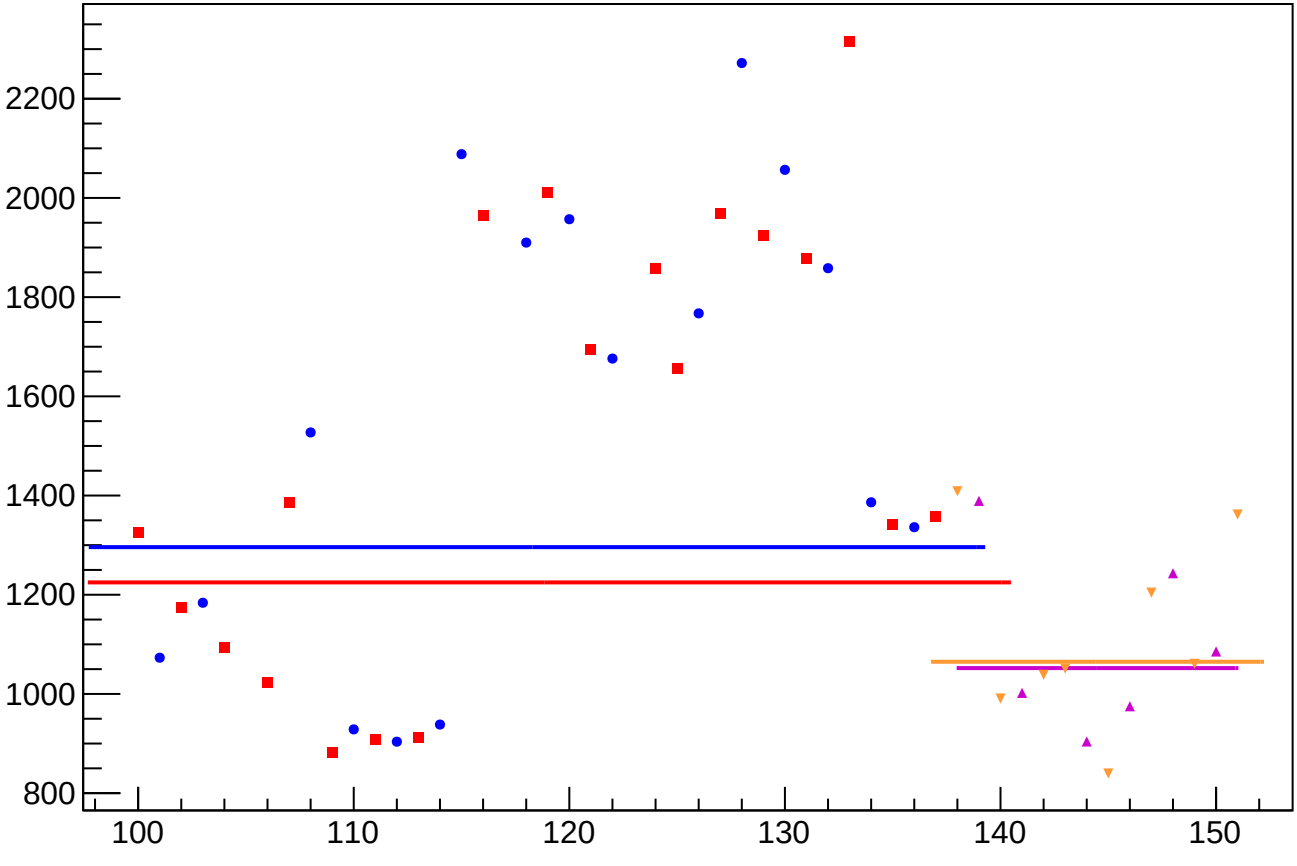
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -302.104+/-342.113 χ^2/NDF:27.5/21

Out: 411.874+/-320.033 χ^2/NDF:44.3/26

All: 78.667+/-233.714 χ^2/NDF: 74.1/48

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1064.913+/-0.308 χ^2/NDF:317395.4/7

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1052.109+/-0.329 χ^2/NDF:202663.0/5

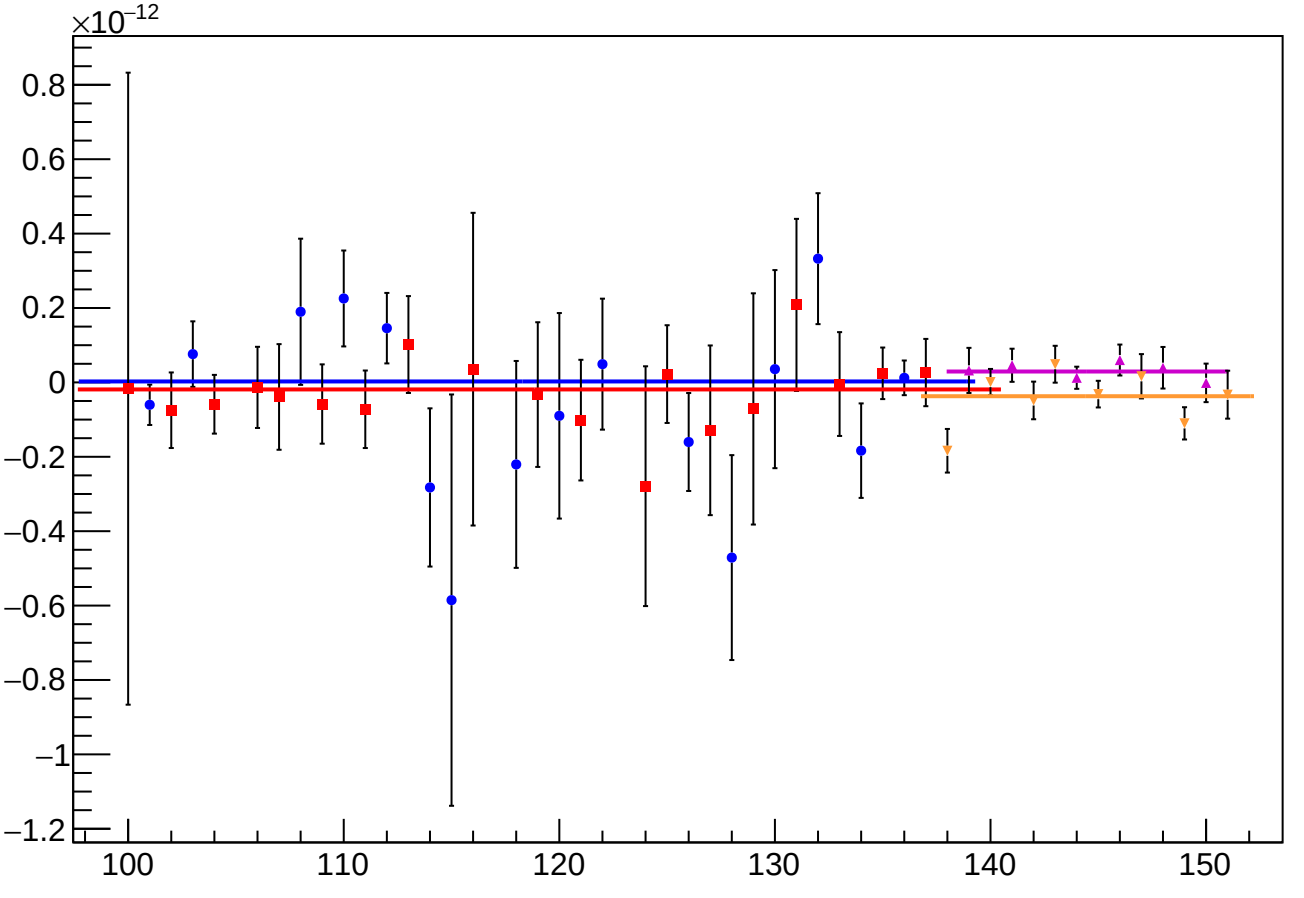
Left: 1058.931+/-0.225 χ^2/NDF: 520866.4/13

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1163.974+/-0.242 χ^2/NDF:1609197.8/21

Out: 1138.449+/-0.226 χ^2/NDF:1812779.8/26

All: 1150.361+/-0.165 χ^2/NDF: 3427915.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/5

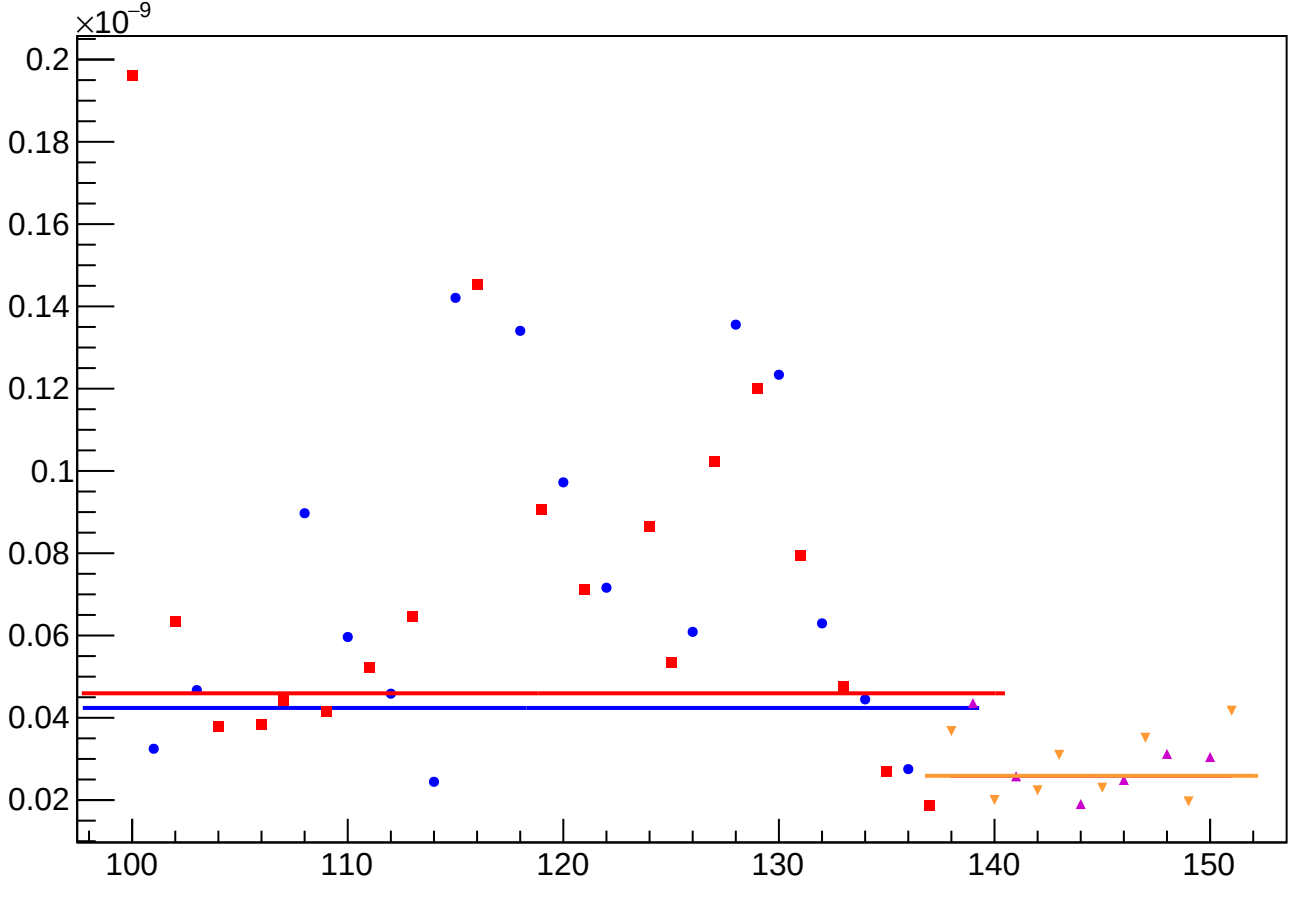
Left: -0.000+/-0.000 χ^2/NDF: 23.1/13

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:24.3/21

Out: -0.000+/-0.000 χ^2/NDF:19.2/26

All: -0.000+/-0.000 χ^2/NDF: 50.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:377474.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:311000.1/5

Left: 0.000+/-0.000 χ^2/NDF: 688483.0/13

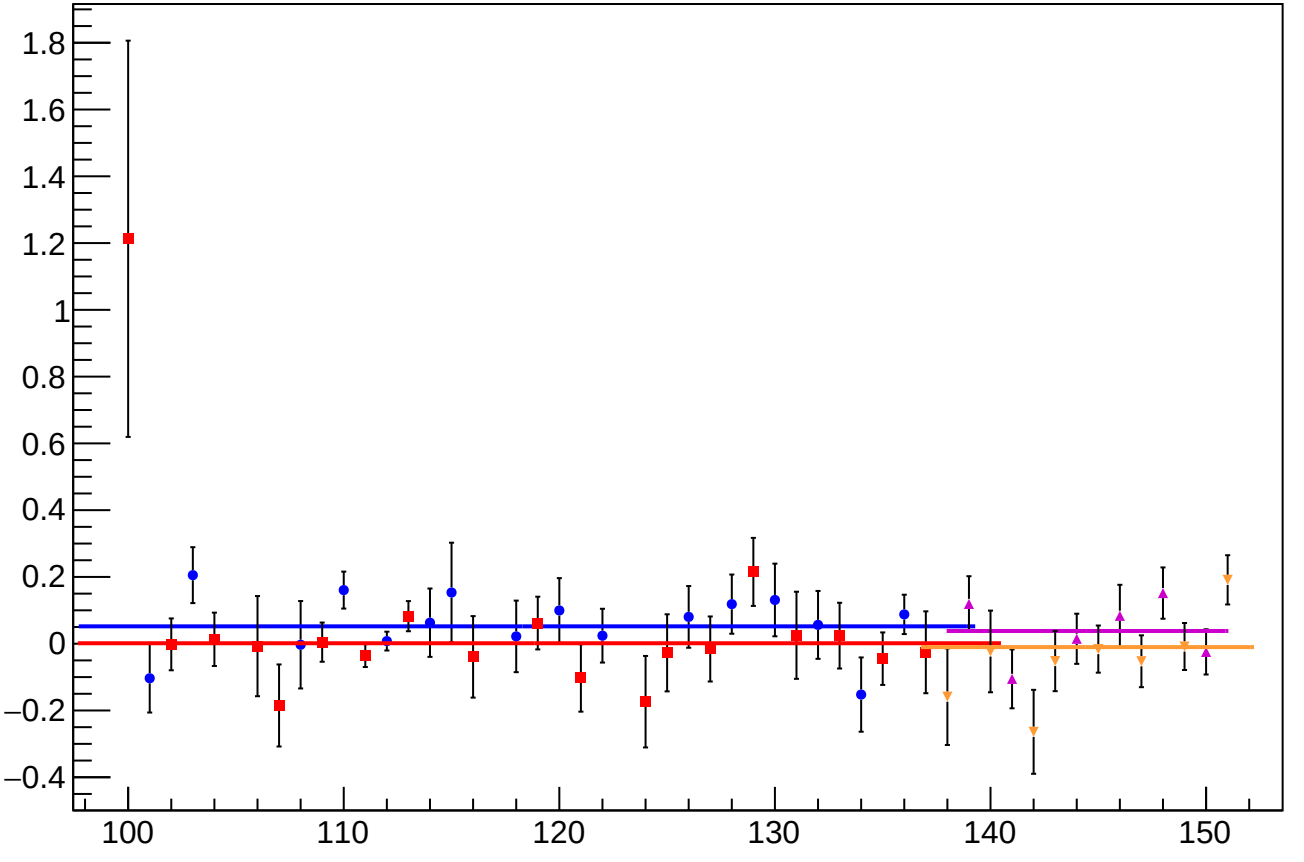
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2181556.3/21

Out: 0.000+/-0.000 χ^2/NDF:2225357.3/26

All: 0.000+/-0.000 χ^2/NDF: 4406959.7/48

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.038+/-0.032 χ^2/NDF:7.0/5

Left: 0.013+/-0.022 χ^2/NDF: 21.3/13

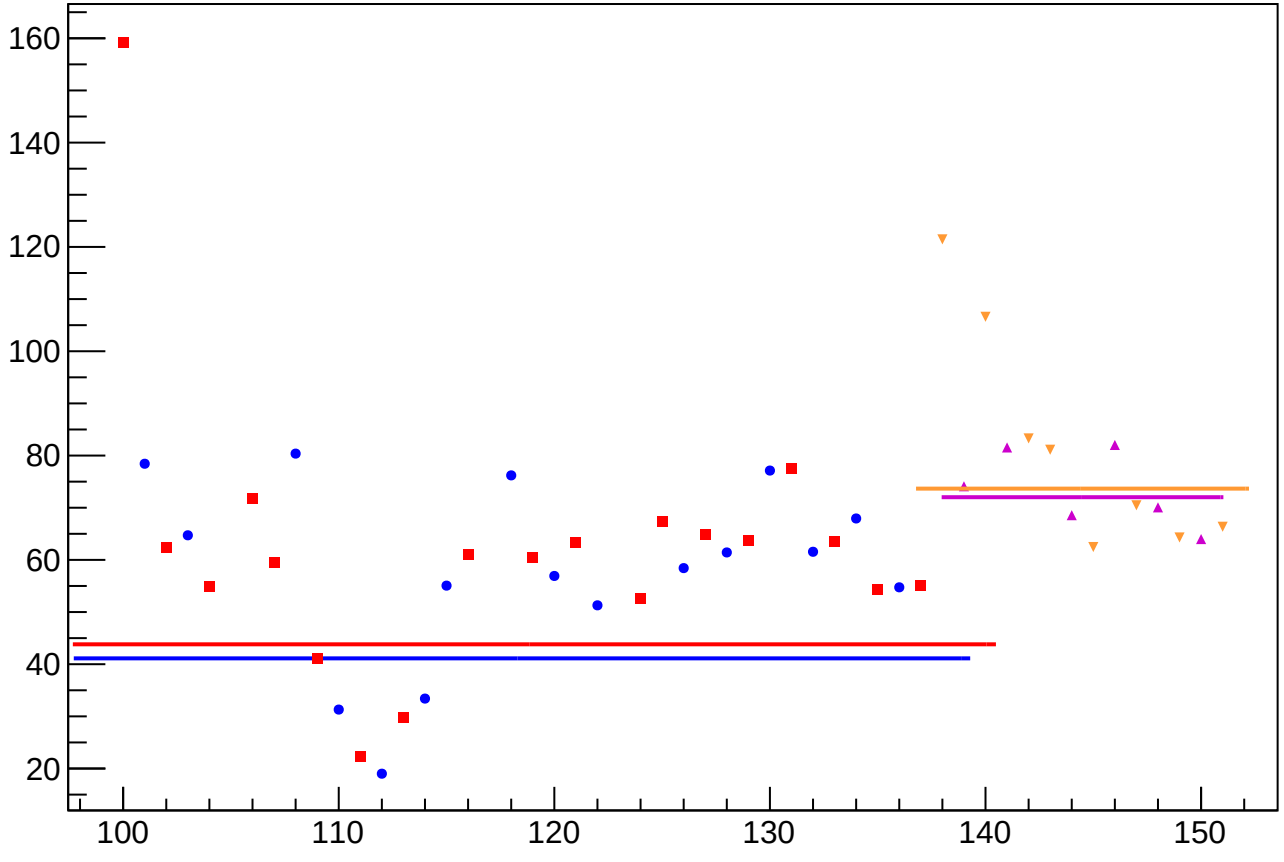
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.016 χ^2/NDF:25.1/21

Out: -0.002+/-0.015 χ^2/NDF:32.5/26

All: 0.023+/-0.011 χ^2/NDF: 62.8/48

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 73.663+/-0.022 χ^2/NDF:497295.3/7

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 72.017+/-0.023 χ^2/NDF:81468.3/5

Left: 72.880+/-0.016 χ^2/NDF: 581475.8/13

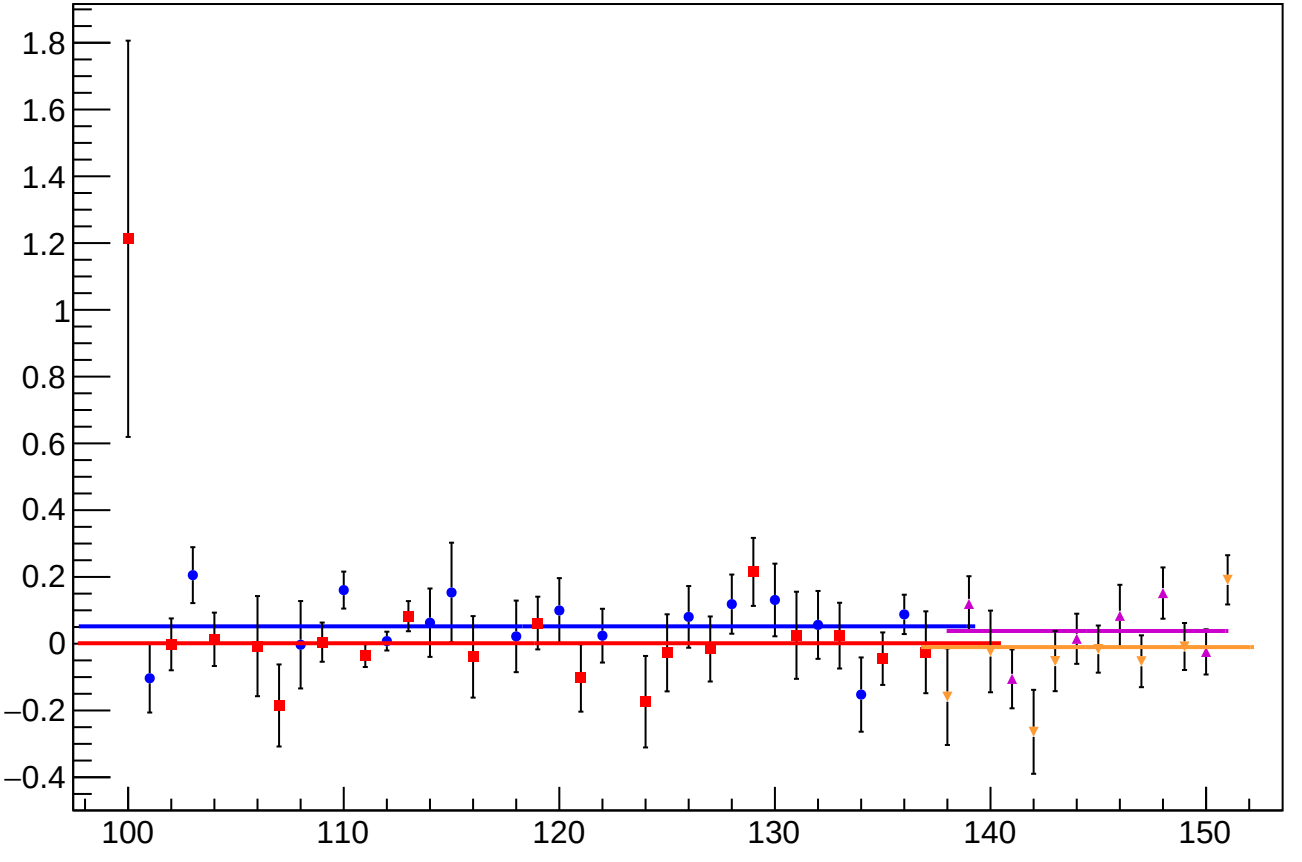
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 48.276+/-0.011 χ^2/NDF:4406729.3/21

Out: 51.361+/-0.011 χ^2/NDF:3947701.0/26

All: 49.827+/-0.008 χ^2/NDF: 8393860.6/48

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: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.038+/-0.032 χ^2/NDF:7.0/5

Left: 0.013+/-0.022 χ^2/NDF: 21.3/13

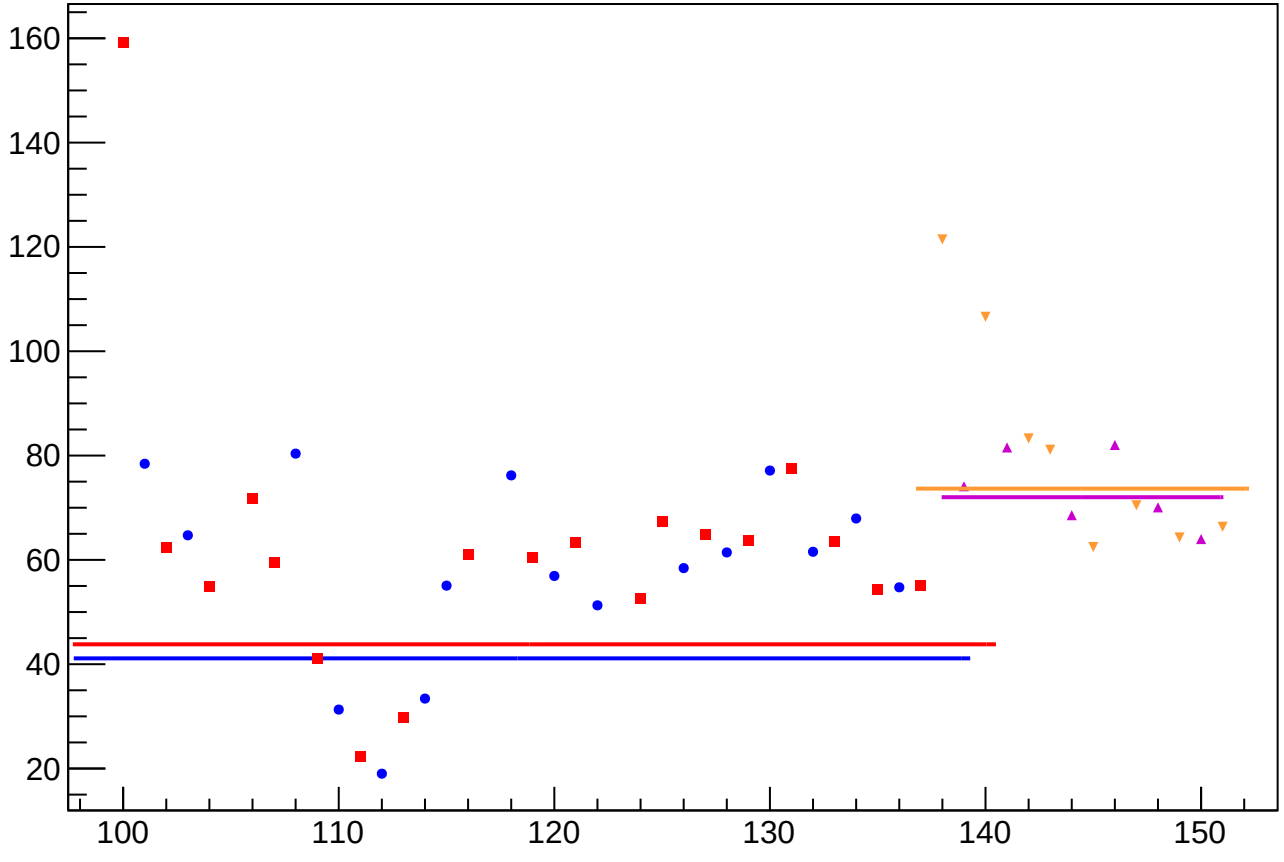
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.016 χ^2/NDF:25.1/21

Out: -0.002+/-0.015 χ^2/NDF:32.5/26

All: 0.023+/-0.011 χ^2/NDF: 62.8/48

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 73.663+/-0.022 χ^2/NDF:497295.3/7

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 72.017+/-0.023 χ^2/NDF:81468.3/5

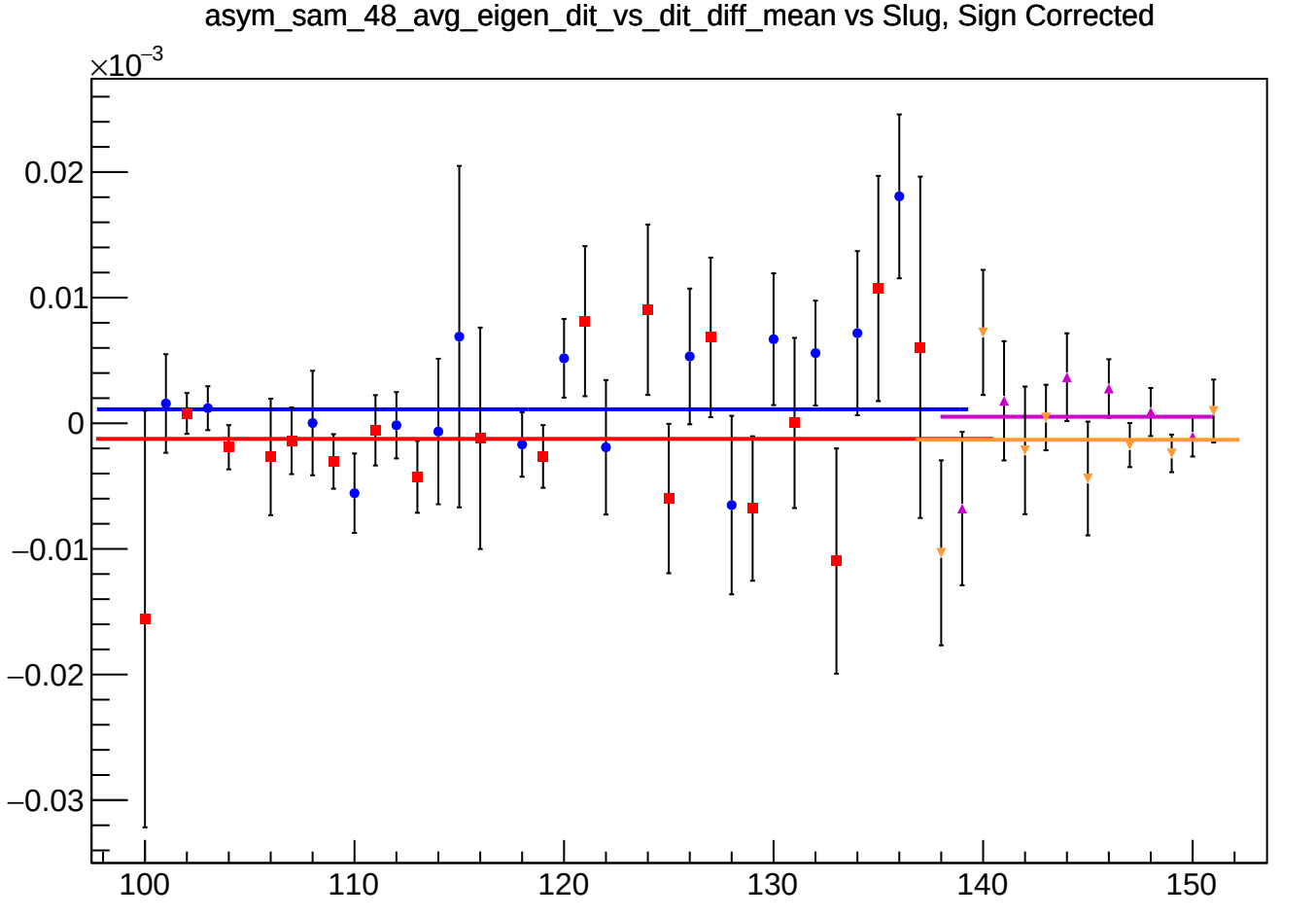
Left: 72.880+/-0.016 χ^2/NDF: 581475.8/13

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 48.276+/-0.011 χ^2/NDF:4406729.3/21

Out: 51.361+/-0.011 χ^2/NDF:3947701.0/26

All: 49.827+/-0.008 χ^2/NDF: 8393860.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/5

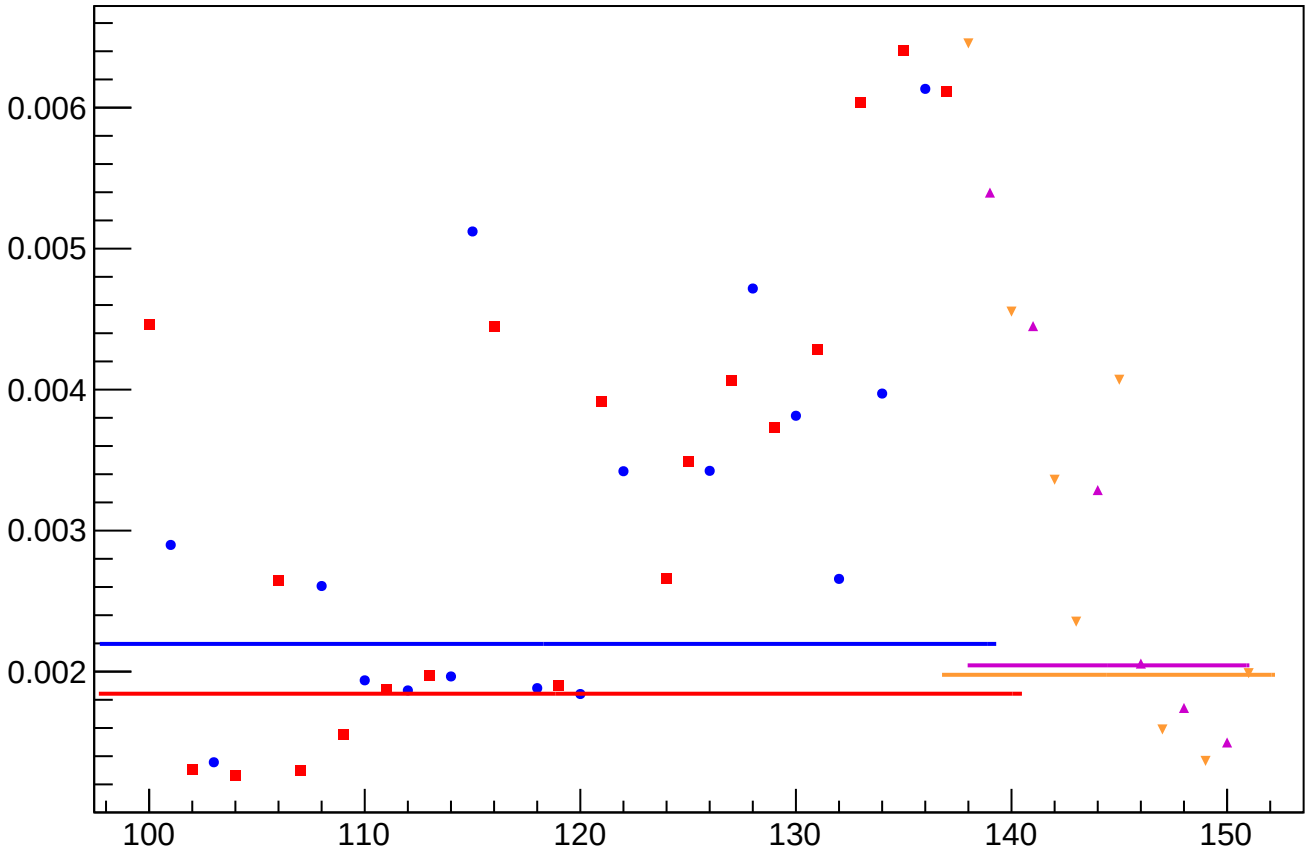
Left: -0.000+/-0.000 χ^2/NDF: 13.0/13

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:24.4/21

Out: -0.000+/-0.000 χ^2/NDF:22.7/26

All: -0.000+/-0.000 χ^2/NDF: 52.8/48



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2322836.4/7

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1658903.5/5

Left: 0.002+/-0.000 χ^2/NDF: 3986705.2/13

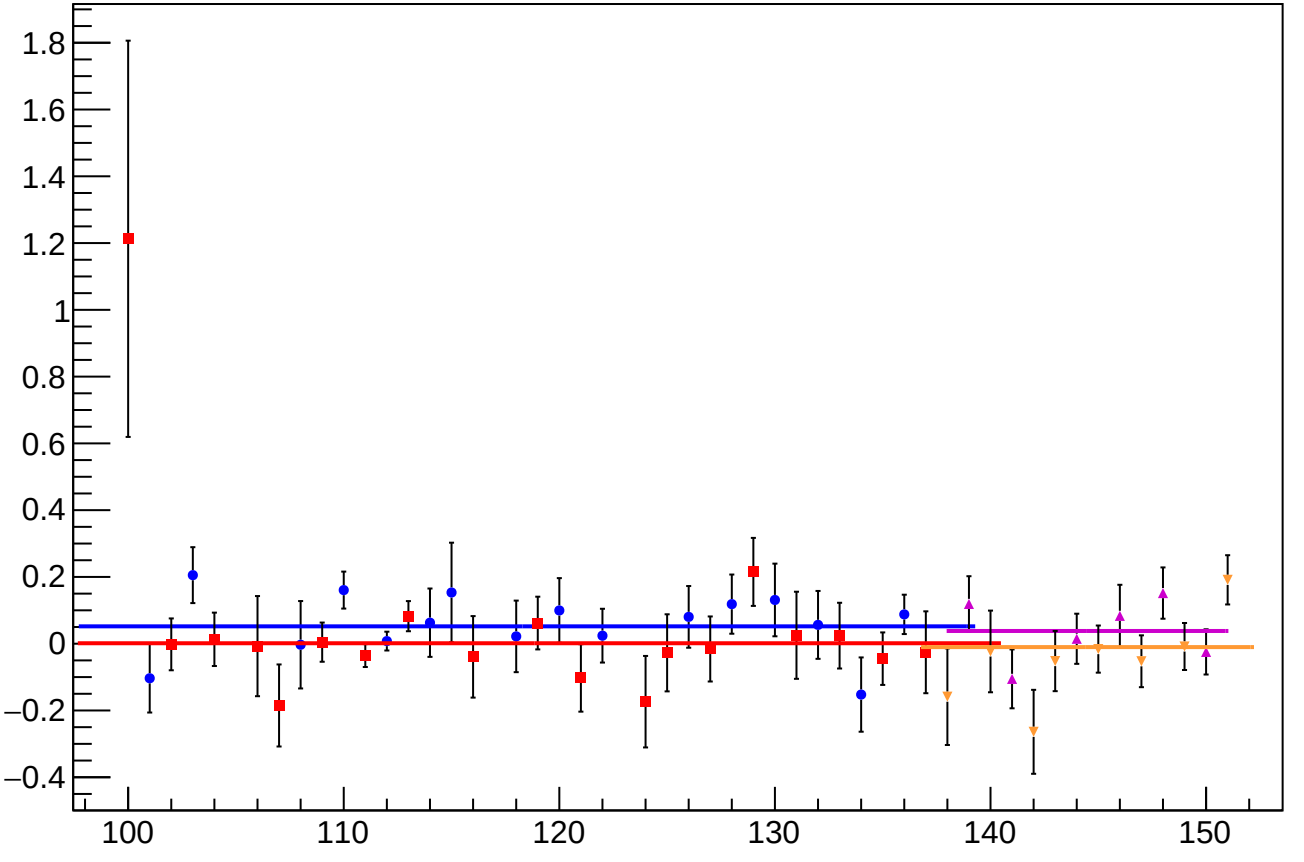
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:3977322.1/21

Out: 0.002+/-0.000 χ^2/NDF:5486158.5/26

All: 0.002+/-0.000 χ^2/NDF: 9595318.9/48

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: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.038+/-0.032 χ^2/NDF:7.0/5

Left: 0.013+/-0.022 χ^2/NDF: 21.3/13

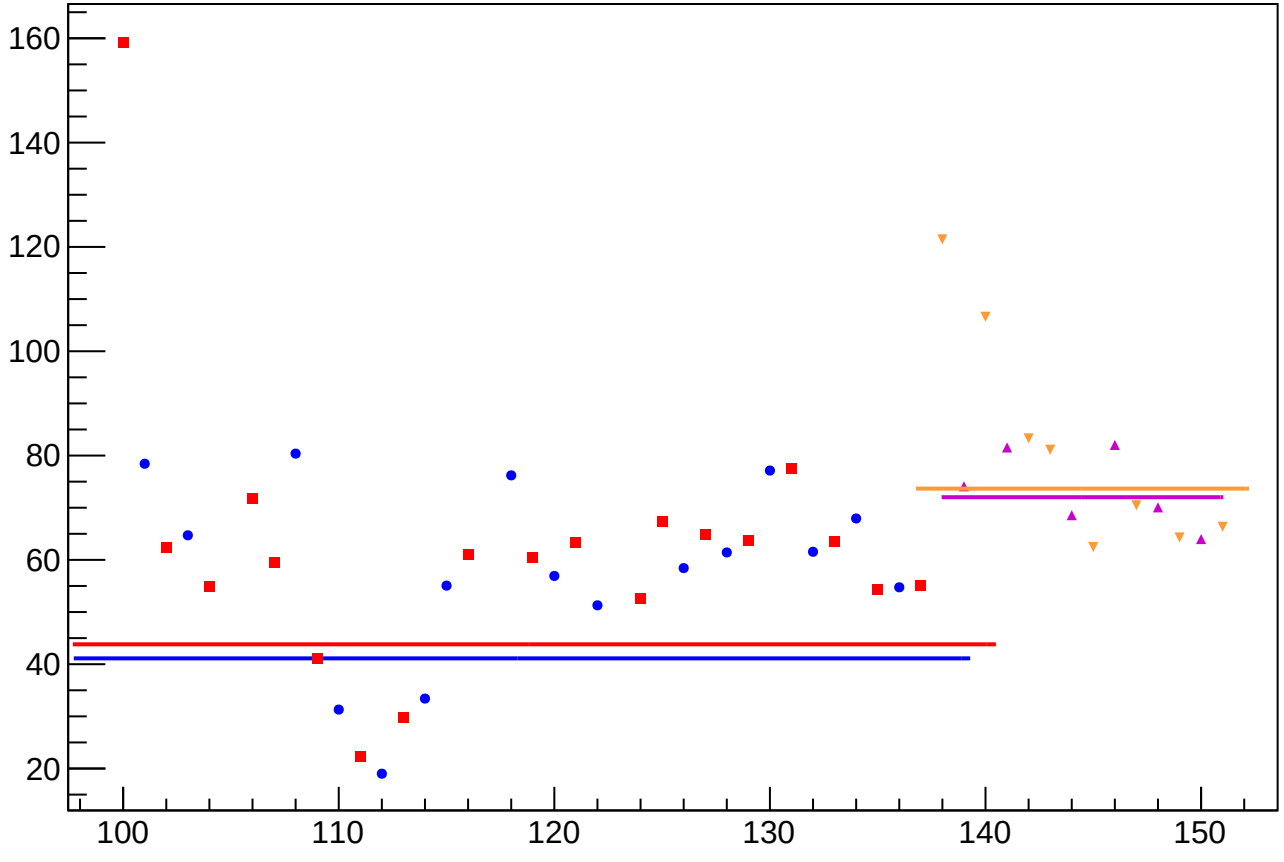
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.016 χ^2/NDF:25.1/21

Out: -0.002+/-0.015 χ^2/NDF:32.5/26

All: 0.023+/-0.011 χ^2/NDF: 62.8/48

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 73.664+/-0.022 χ^2/NDF:497271.3/7

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 72.017+/-0.023 χ^2/NDF:81471.2/5

Left: 72.881+/-0.016 χ^2/NDF: 581455.6/13

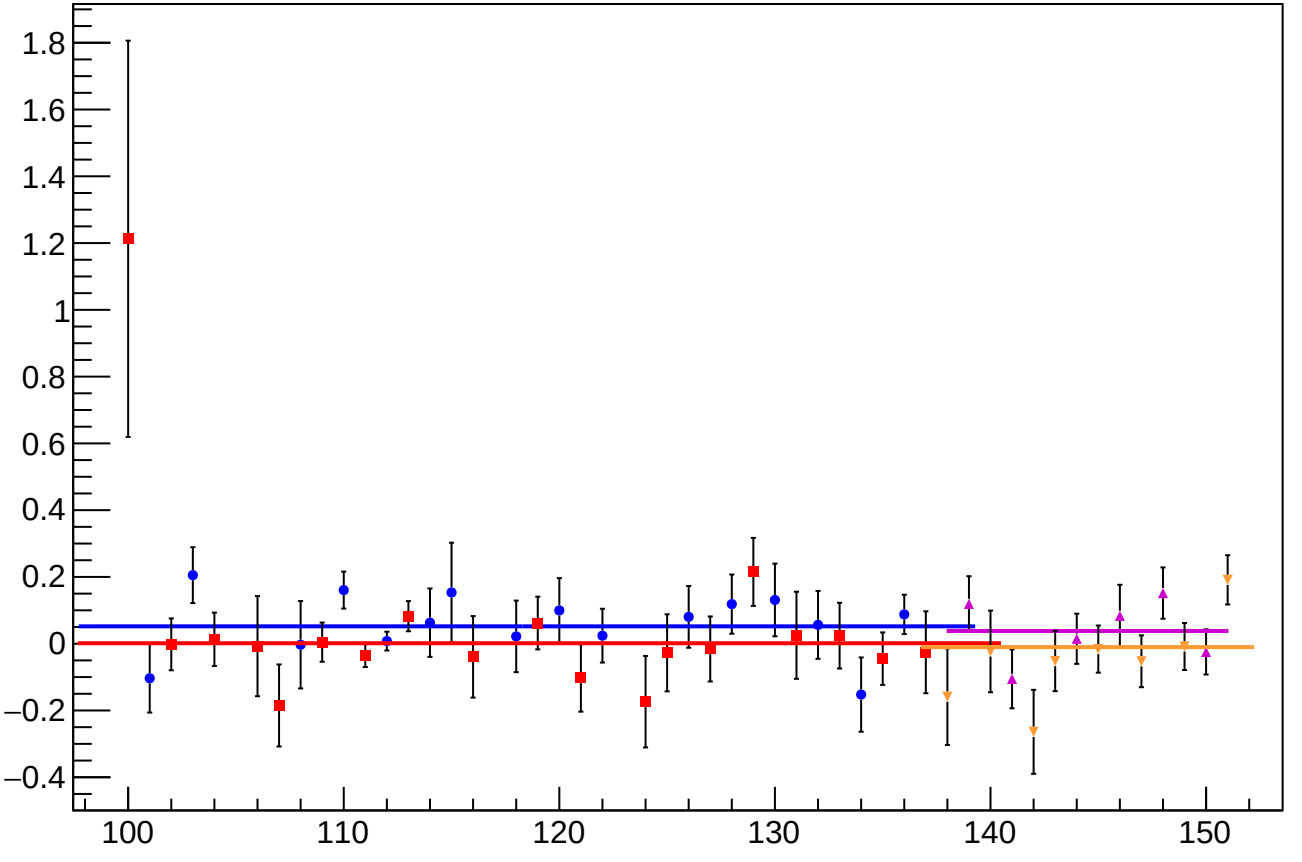
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 48.275+/-0.011 χ^2/NDF:4407022.7/21

Out: 51.360+/-0.011 χ^2/NDF:3948004.7/26

All: 49.826+/-0.008 χ^2/NDF: 8394460.8/48

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: -0.010+/-0.031 χ^2/NDF:13.1/7

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.038+/-0.032 χ^2/NDF:7.0/5

Left: 0.013+/-0.022 χ^2/NDF: 21.3/13

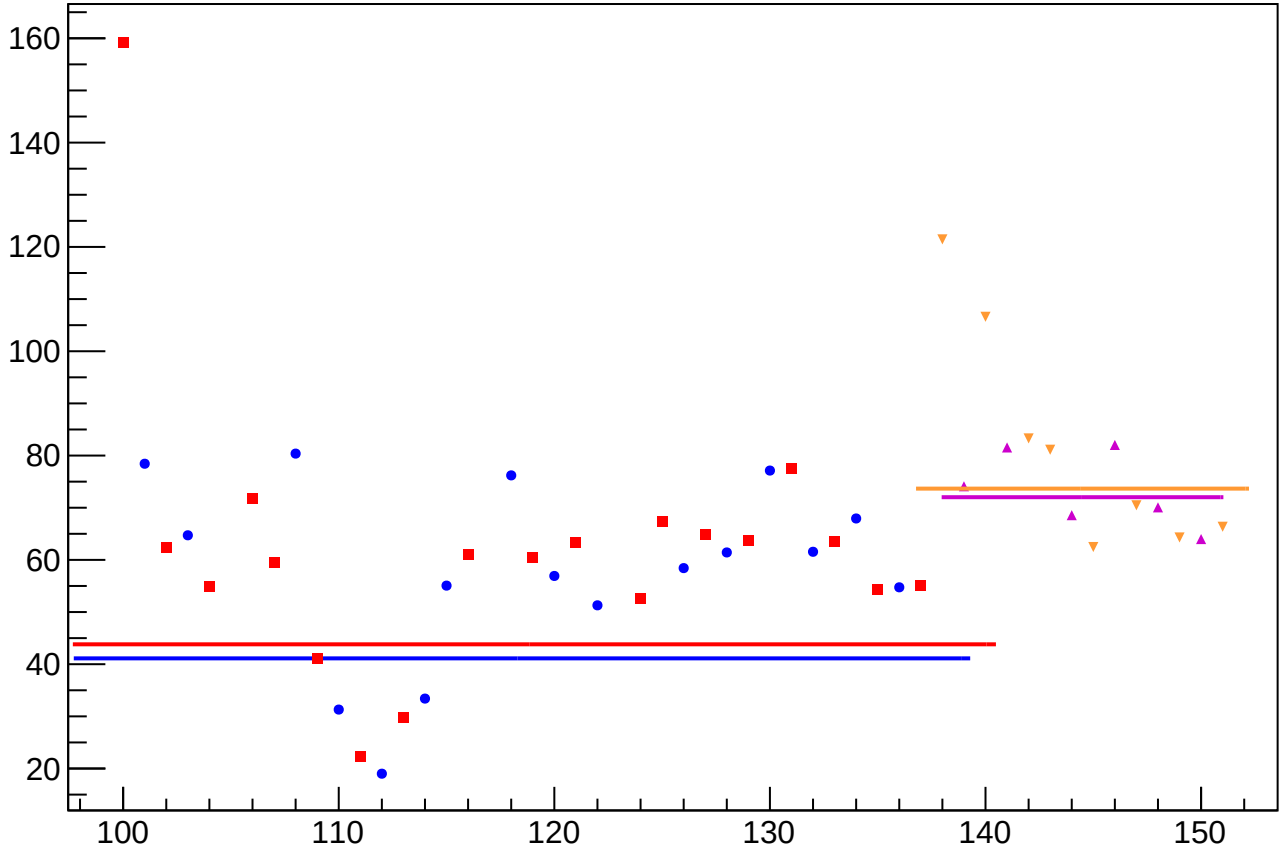
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.049+/-0.016 χ^2/NDF:25.1/21

Out: -0.002+/-0.015 χ^2/NDF:32.5/26

All: 0.023+/-0.011 χ^2/NDF: 62.8/48

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 73.664+/-0.022 χ^2/NDF:497271.3/7

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 72.017+/-0.023 χ^2/NDF:81471.2/5

Left: 72.881+/-0.016 χ^2/NDF: 581455.6/13

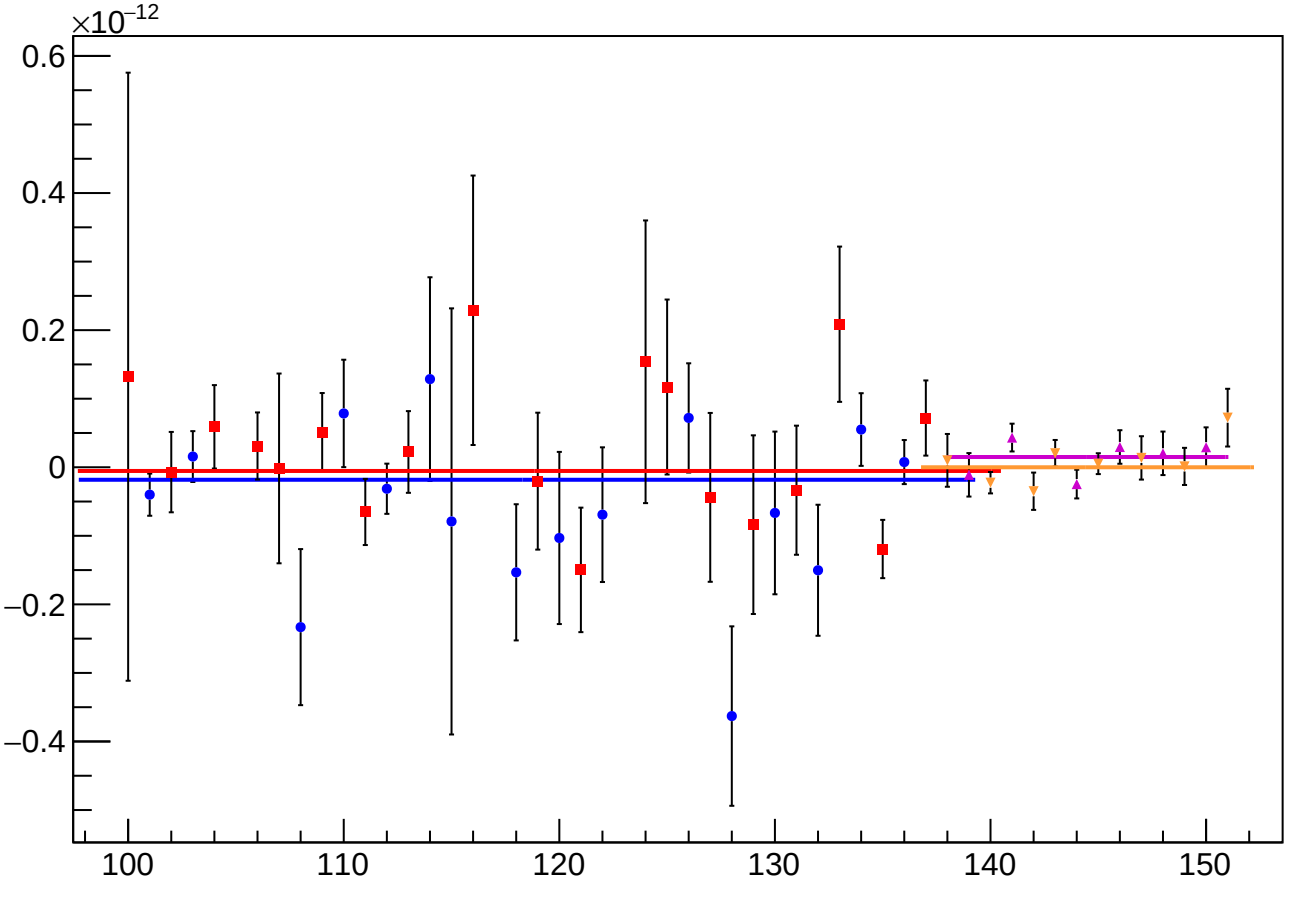
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 48.275+/-0.011 χ^2/NDF:4407022.7/21

Out: 51.360+/-0.011 χ^2/NDF:3948004.7/26

All: 49.826+/-0.008 χ^2/NDF: 8394460.8/48

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/5

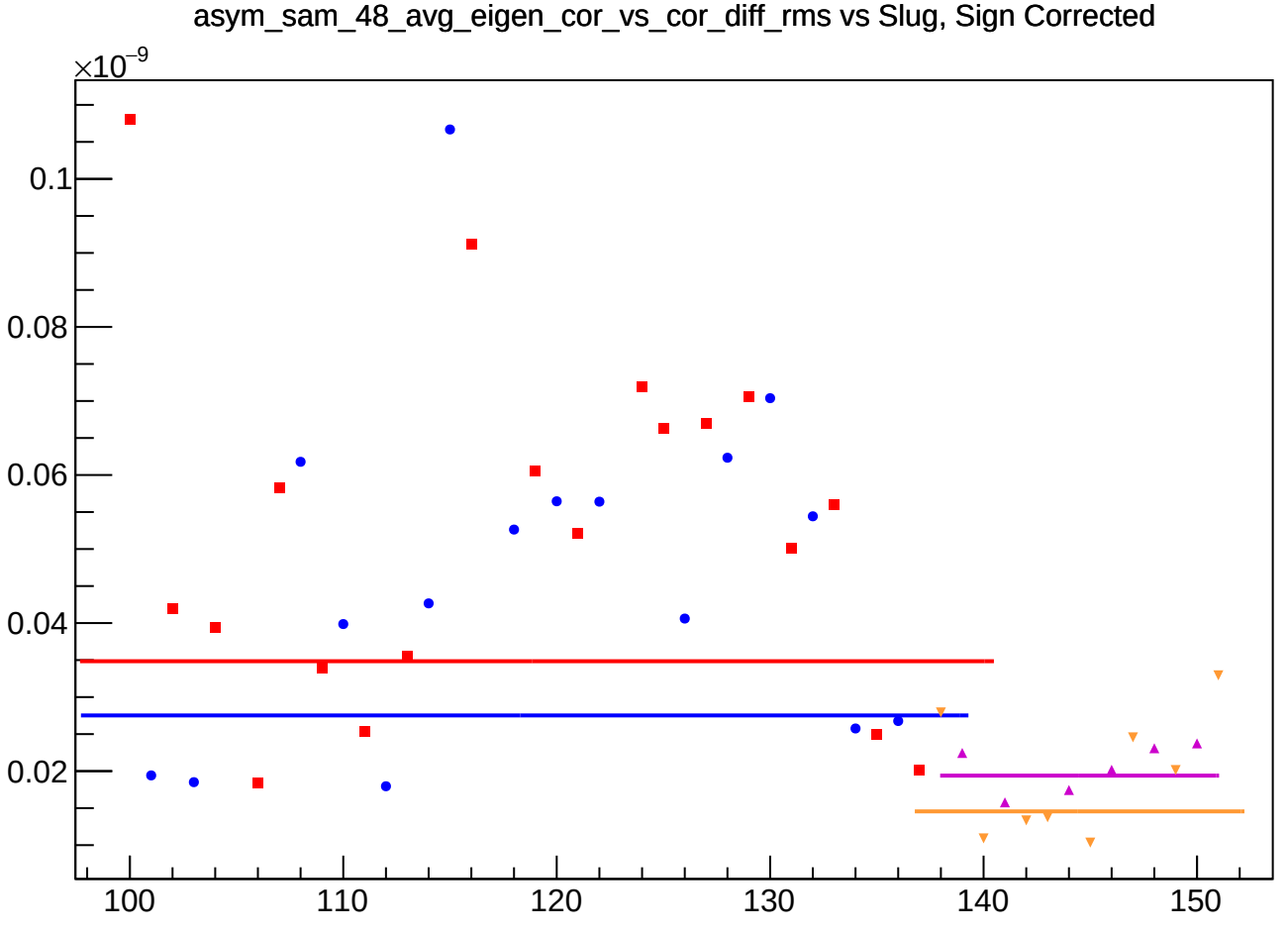
Left: 0.000+/-0.000 χ^2/NDF: 16.3/13

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:33.3/21

Out: -0.000+/-0.000 χ^2/NDF:31.5/26

All: 0.000+/-0.000 χ^2/NDF: 65.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1177314.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:173932.9/5

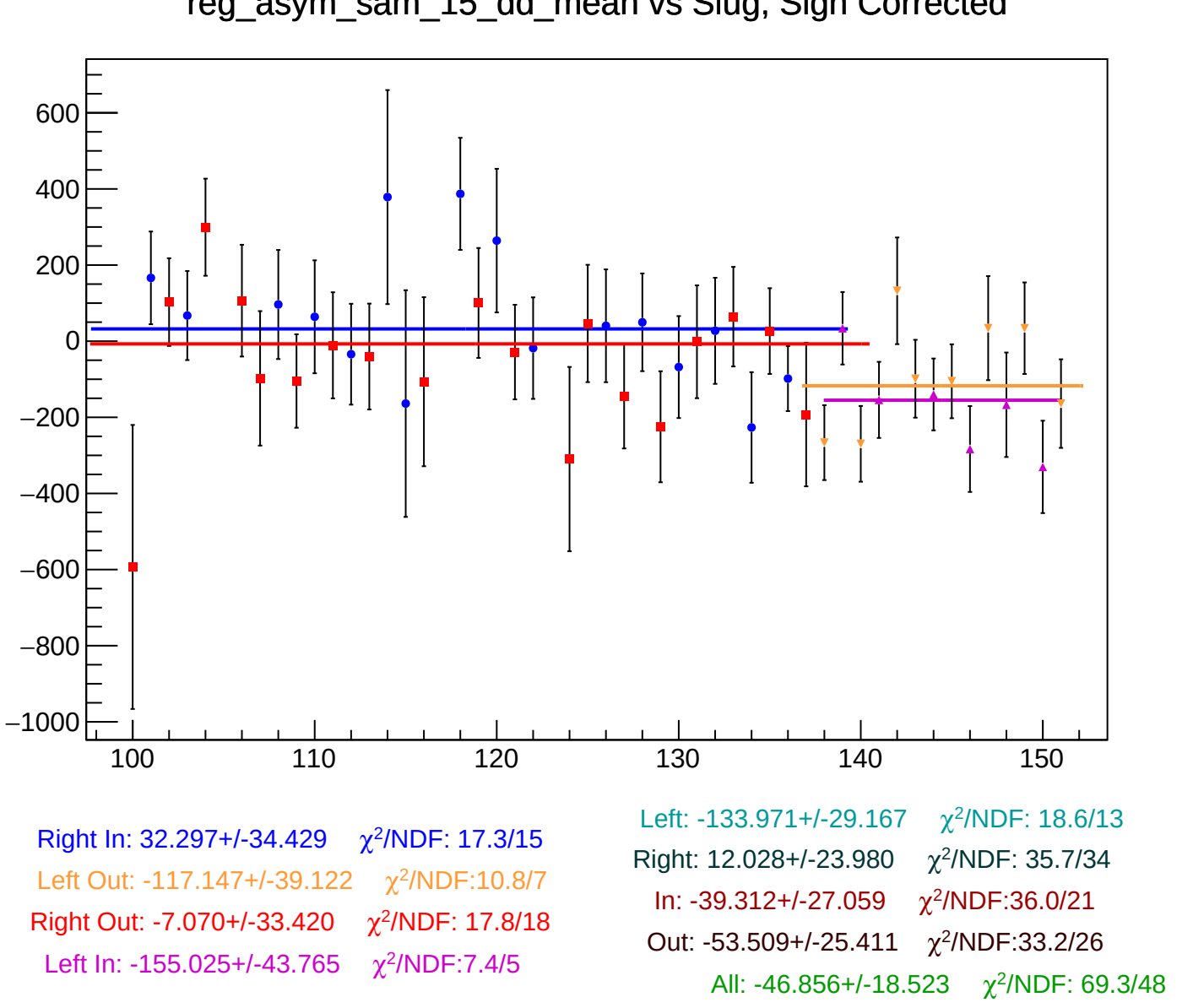
Left: 0.000+/-0.000 χ^2/NDF: 1631305.3/13

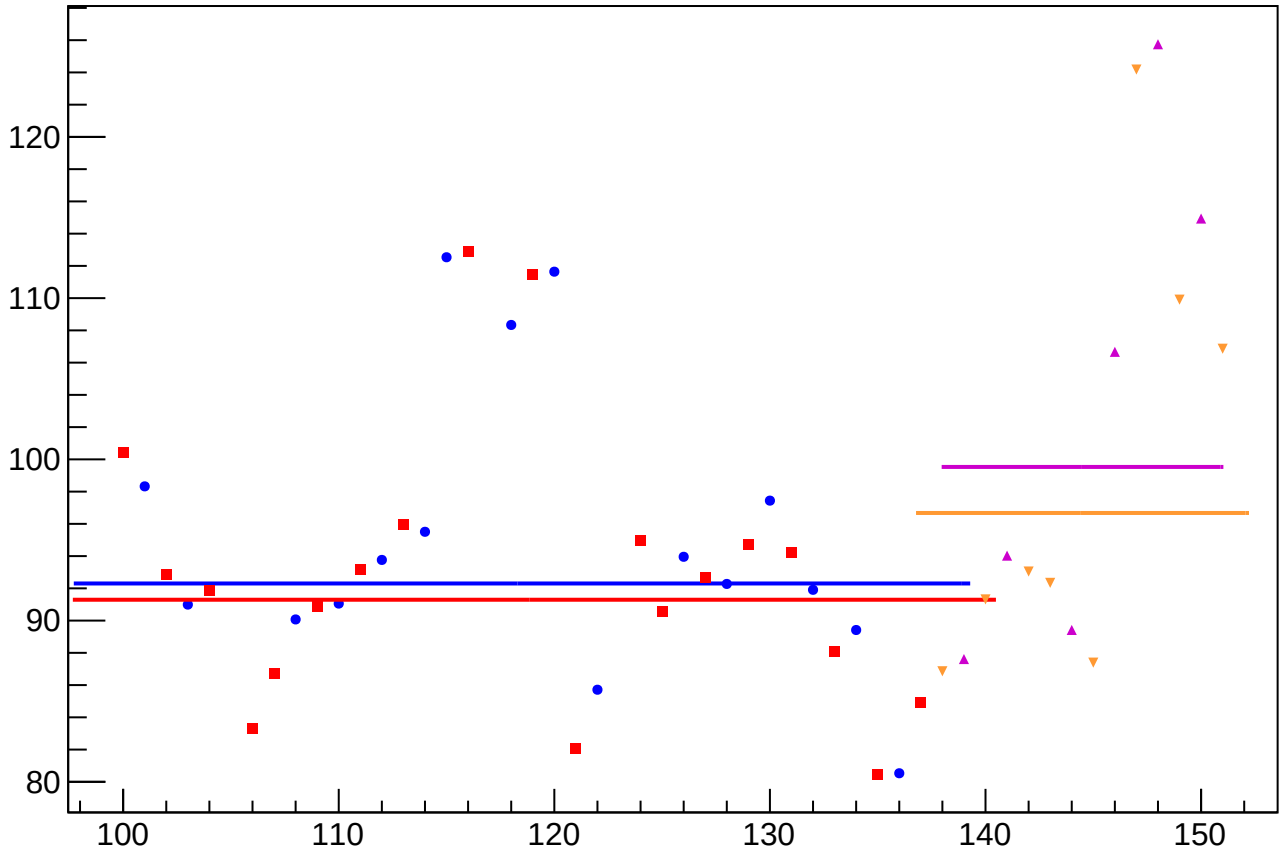
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2396978.6/21

Out: 0.000+/-0.000 χ^2/NDF:5268251.2/26

All: 0.000+/-0.000 χ^2/NDF: 7910490.7/48


reg_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
Right In: 32.297+/-34.429 χ²/NDF: 17.3/15
Left Out: -117.147+/-39.122 χ²/NDF:10.8/7
Right Out: -7.070+/-33.420 χ²/NDF: 17.8/18
Left In: -155.025+/-43.765 χ²/NDF:7.4/5
Left: -133.971+/-29.167 χ²/NDF: 18.6/13
Right: 12.028+/-23.980 χ²/NDF: 35.7/34
In: -39.312+/-27.059 χ²/NDF:36.0/21
Out: -53.509+/-25.411 χ²/NDF:33.2/26
All: -46.856+/-18.523 χ²/NDF: 69.3/48



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 96.675+/-0.028 χ^2/NDF:169450.2/7

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 99.531+/-0.031 χ^2/NDF:173513.1/5

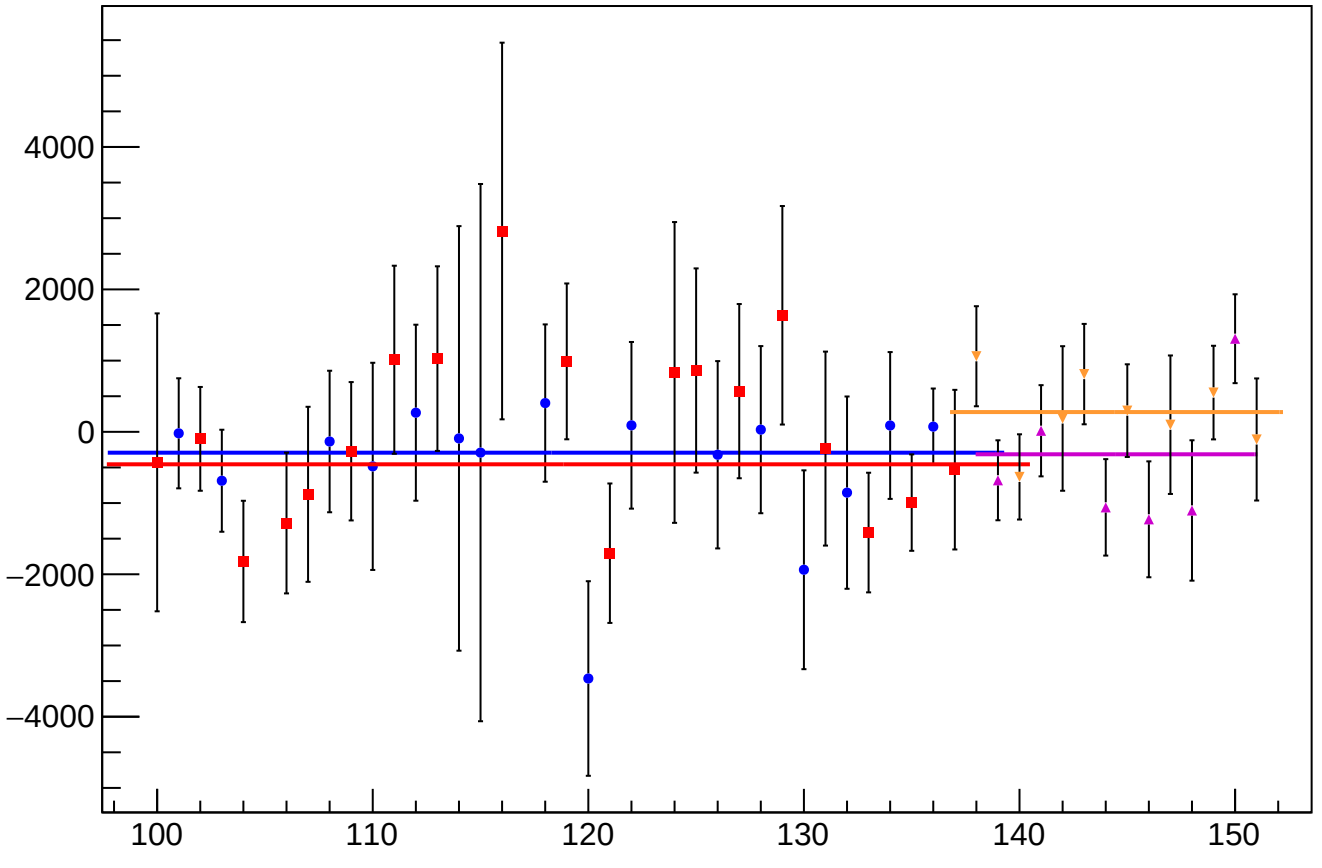
Left: 97.944+/-0.021 χ^2/NDF: 347695.3/13

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 95.066+/-0.019 χ^2/NDF:314281.4/21

Out: 93.564+/-0.018 χ^2/NDF:296427.6/26

All: 94.268+/-0.013 χ^2/NDF: 613981.5/48



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.710+/-259.092 χ^2/NDF:4.5/7

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -315.203+/-278.431 χ^2/NDF:10.6/5

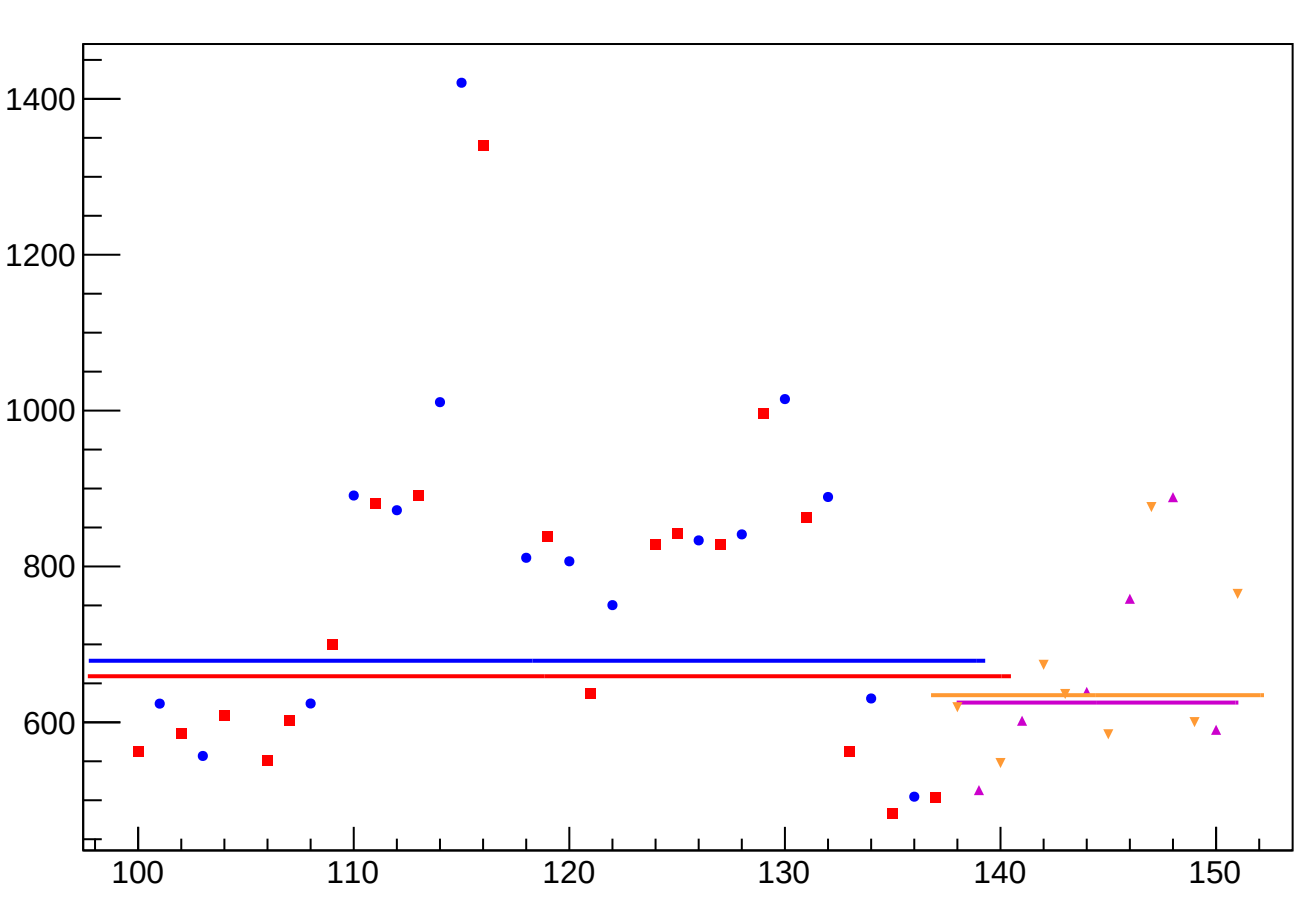
Left: 2.557+/-189.675 χ^2/NDF: 17.5/13

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -303.199+/-189.910 χ^2/NDF:19.4/21

Out: -104.042+/-179.425 χ^2/NDF:25.6/26

All: -197.971+/-130.422 χ^2/NDF: 45.5/48



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 634.832+/-0.183 χ^2/NDF:232914.5/7

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 625.331+/-0.197 χ^2/NDF:286387.5/5

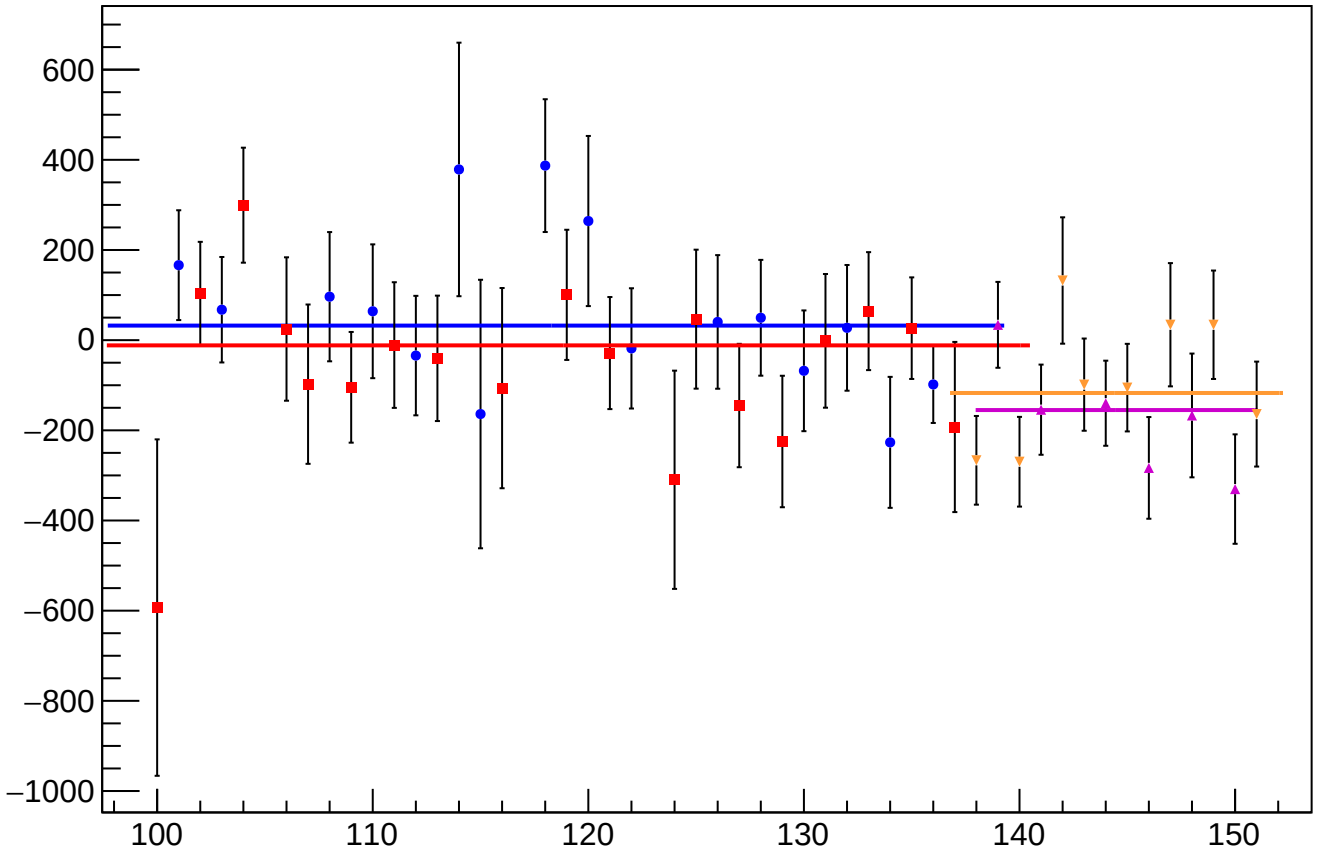
Left: 630.423+/-0.134 χ^2/NDF: 520550.2/13

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 654.034+/-0.134 χ^2/NDF:1094114.2/21

Out: 647.479+/-0.127 χ^2/NDF:1037948.5/26

All: 650.571+/-0.092 χ^2/NDF: 2133321.5/48



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -117.149+/-39.122 χ^2/NDF:10.8/7

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -155.026+/-43.765 χ^2/NDF:7.4/5

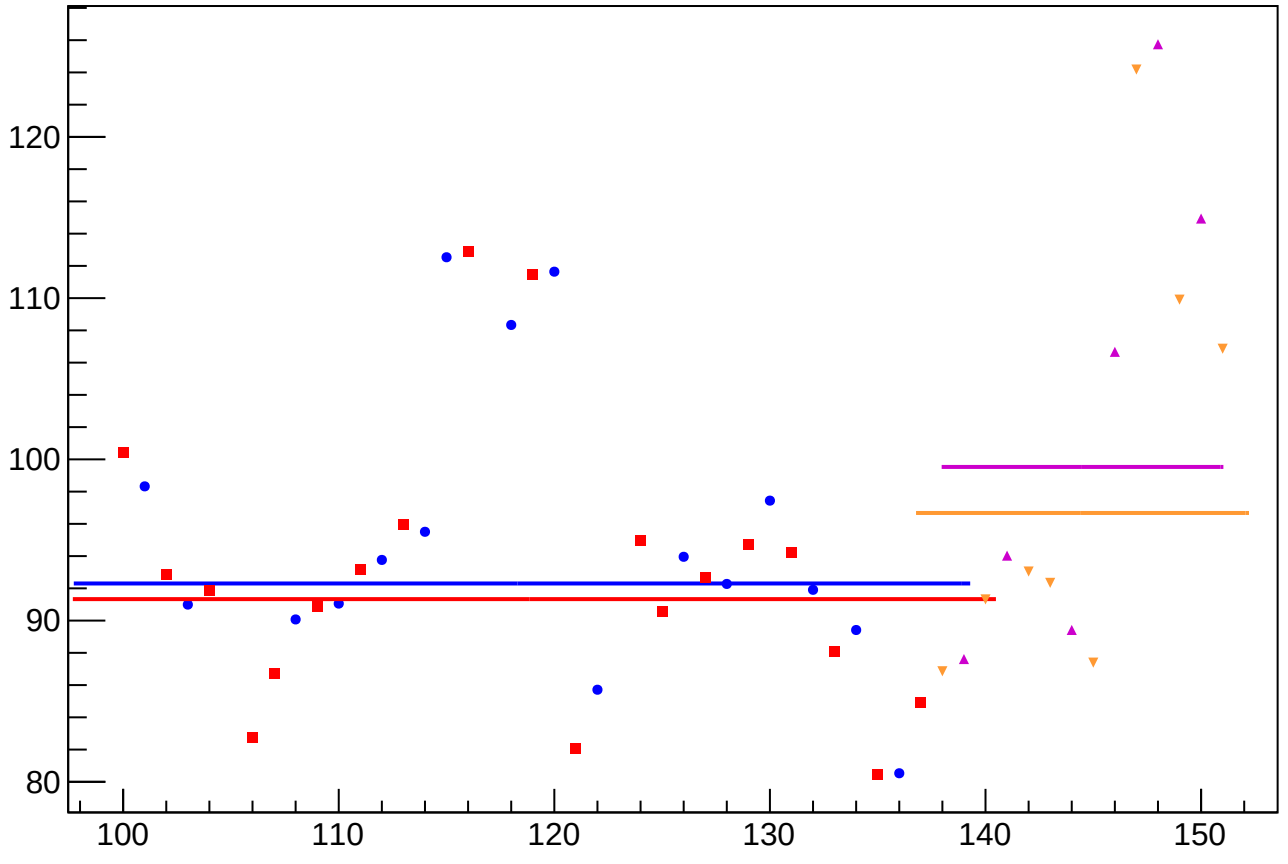
Left: -133.972+/-29.167 χ^2/NDF: 18.6/13

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -39.303+/-27.059 χ^2/NDF:36.0/21

Out: -56.312+/-25.467 χ^2/NDF:32.2/26

All: -48.323+/-18.545 χ^2/NDF: 68.4/48



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 96.675+/-0.028 χ^2/NDF:169450.2/7

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 99.531+/-0.031 χ^2/NDF:173513.1/5

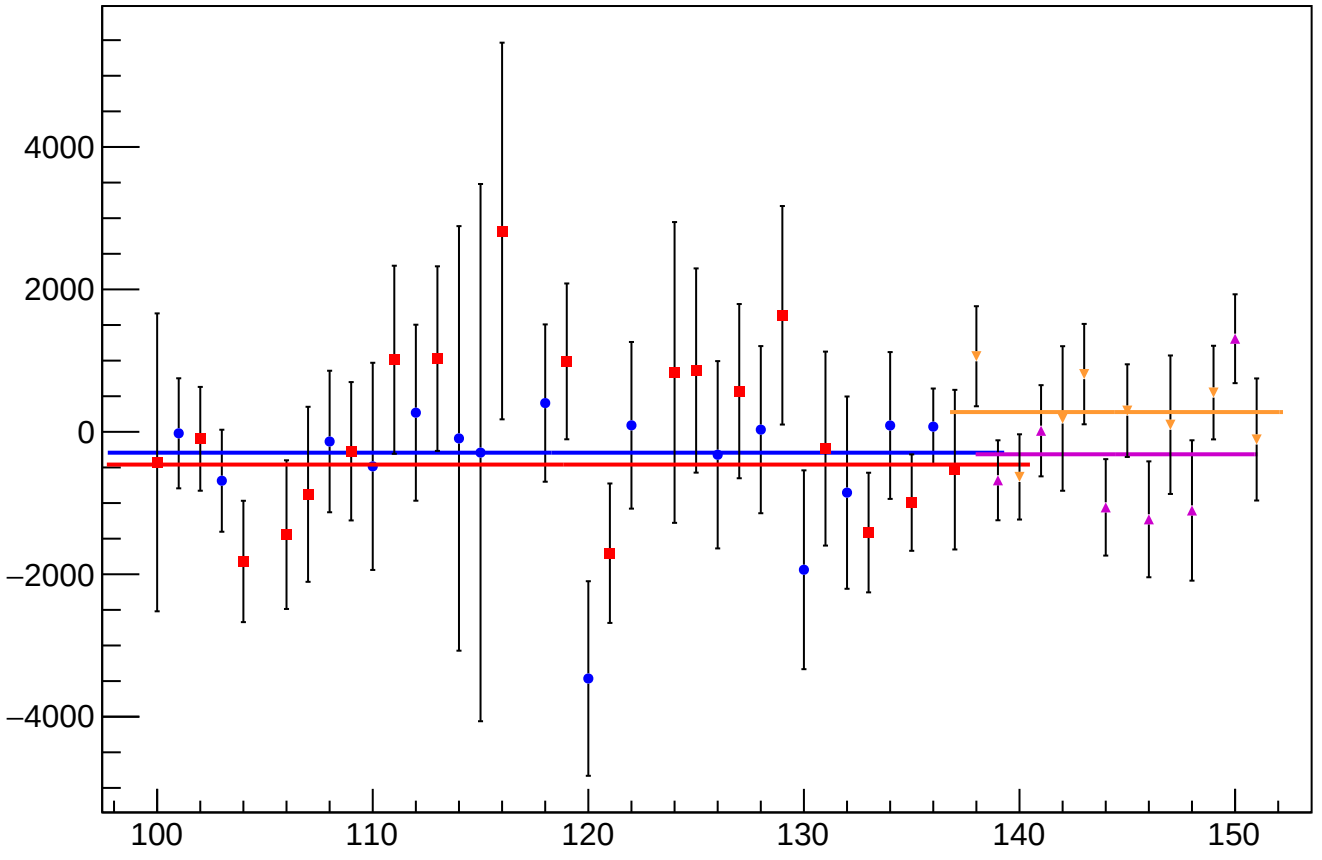
Left: 97.944+/-0.021 χ^2/NDF: 347695.3/13

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 95.066+/-0.019 χ^2/NDF:314281.3/21

Out: 93.596+/-0.018 χ^2/NDF:295868.8/26

All: 94.286+/-0.013 χ^2/NDF: 613277.5/48



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.706+/-259.092 χ^2/NDF:4.5/7

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -315.200+/-278.431 χ^2/NDF:10.6/5

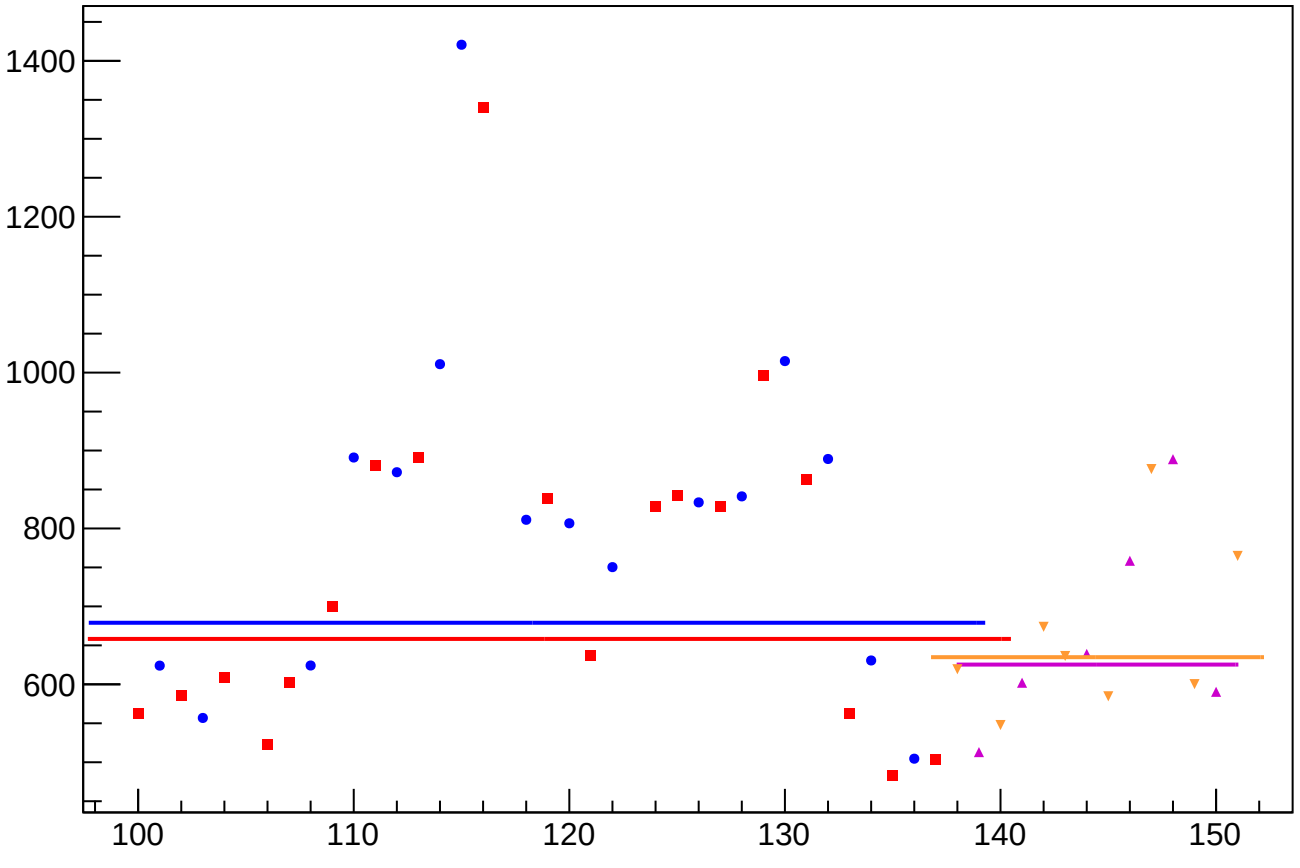
Left: 2.557+/-189.675 χ^2/NDF: 17.5/13

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -303.196+/-189.910 χ^2/NDF:19.4/21

Out: -104.782+/-179.735 χ^2/NDF:25.8/26

All: -198.532+/-130.540 χ^2/NDF: 45.8/48



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.833+/-0.183 χ^2/NDF:232914.8/7

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 625.331+/-0.197 χ^2/NDF:286387.2/5

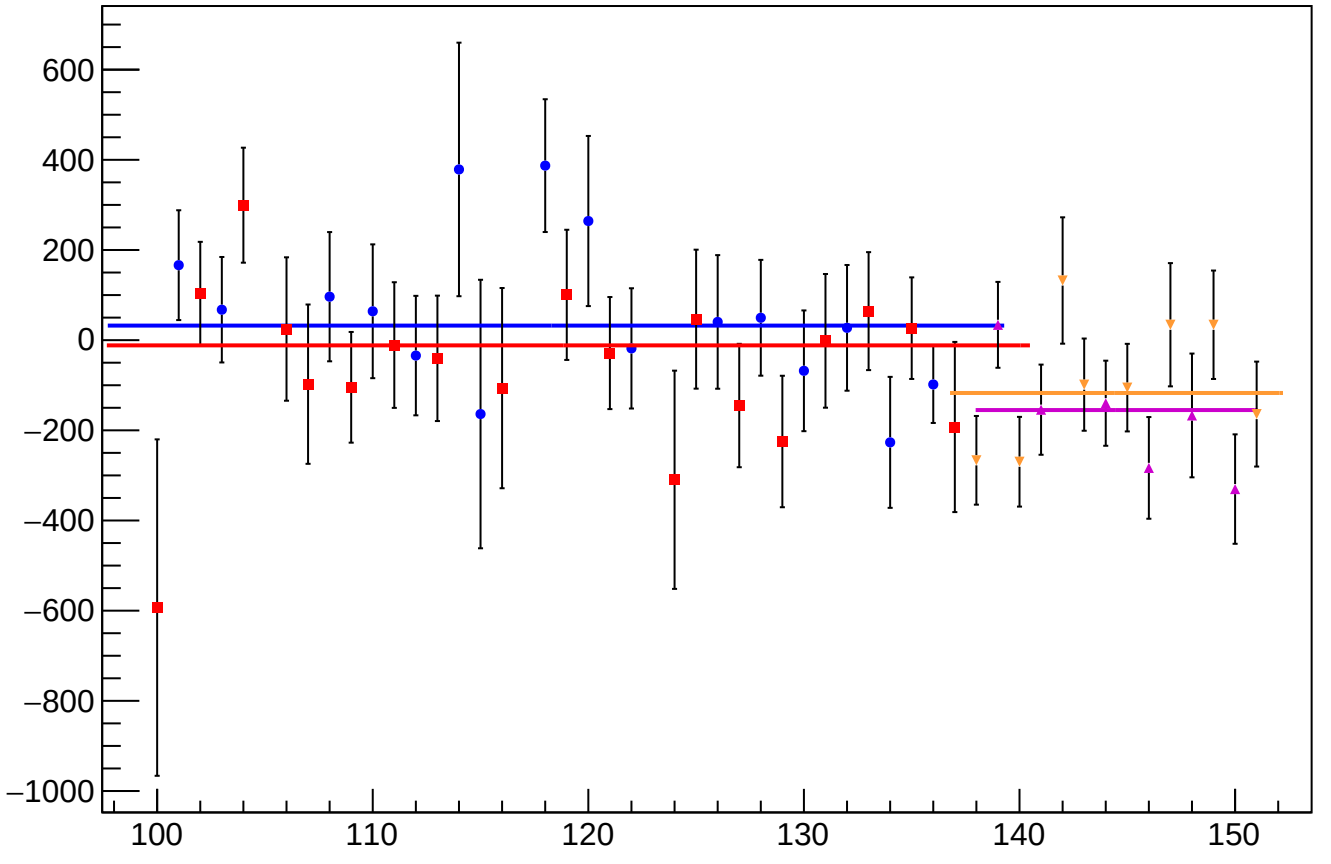
Left: 630.423+/-0.134 χ^2/NDF: 520550.1/13

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 654.034+/-0.134 χ^2/NDF:1094115.0/21

Out: 646.987+/-0.127 χ^2/NDF:1047297.1/26

All: 650.316+/-0.092 χ^2/NDF: 2142864.7/48



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -117.149+/-39.122 χ^2/NDF:10.8/7

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -155.026+/-43.765 χ^2/NDF:7.4/5

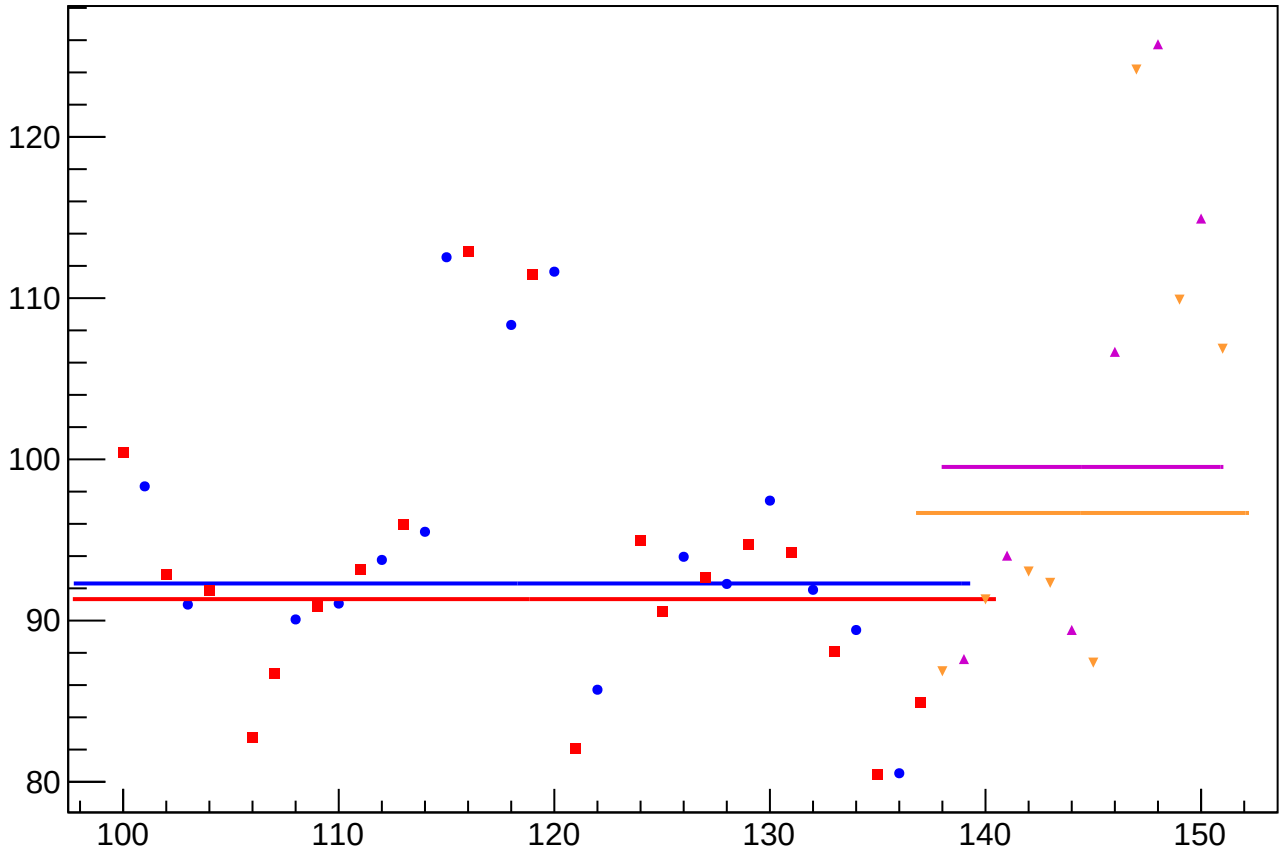
Left: -133.972+/-29.167 χ^2/NDF: 18.6/13

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -39.303+/-27.059 χ^2/NDF:36.0/21

Out: -56.312+/-25.467 χ^2/NDF:32.2/26

All: -48.323+/-18.545 χ^2/NDF: 68.4/48



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 96.675+/-0.028 χ^2/NDF:169450.2/7

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 99.531+/-0.031 χ^2/NDF:173513.1/5

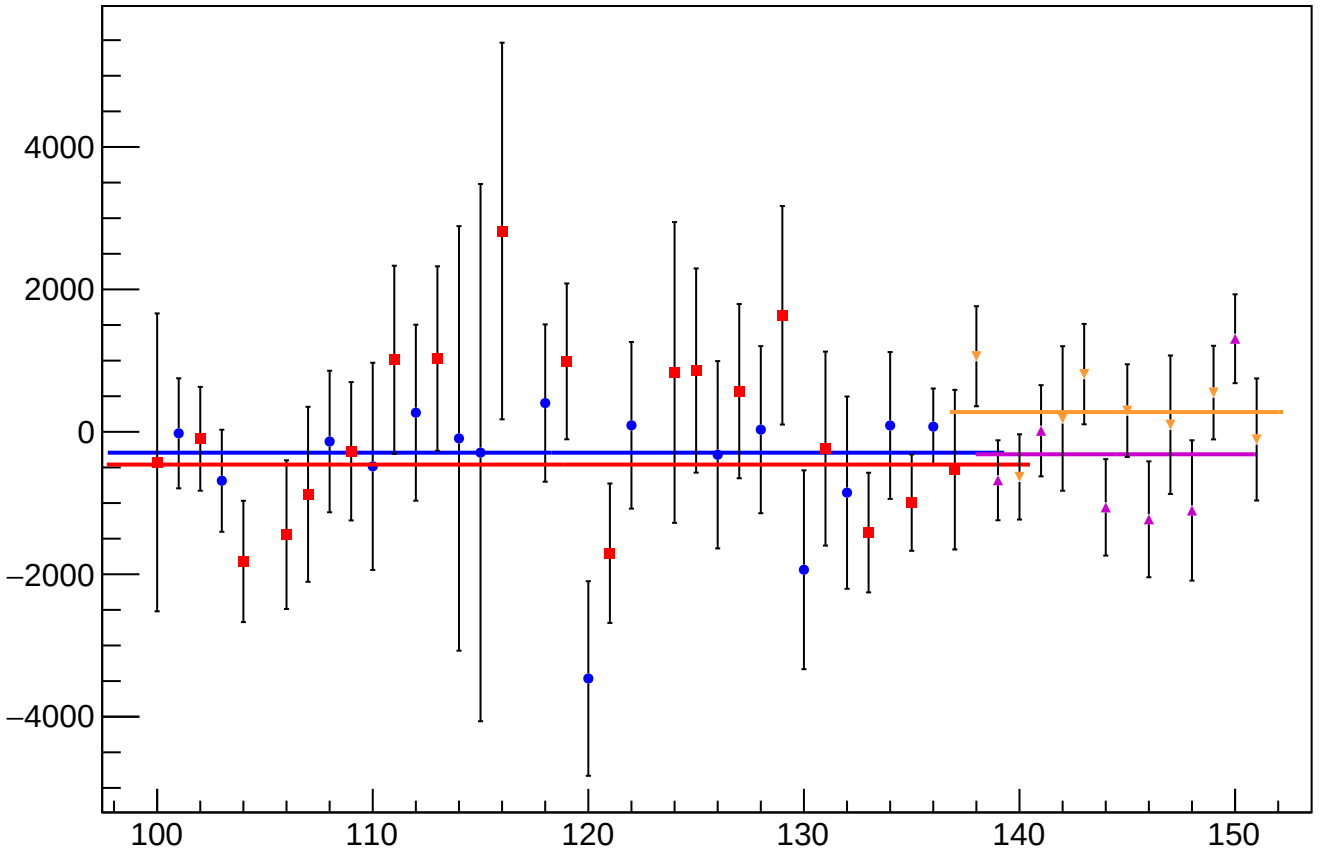
Left: 97.944+/-0.021 χ^2/NDF: 347695.3/13

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 95.066+/-0.019 χ^2/NDF:314281.3/21

Out: 93.596+/-0.018 χ^2/NDF:295868.8/26

All: 94.286+/-0.013 χ^2/NDF: 613277.5/48



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.706+/-259.092 χ^2/NDF:4.5/7

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -315.200+/-278.431 χ^2/NDF:10.6/5

Left: 2.557+/-189.675 χ^2/NDF: 17.5/13

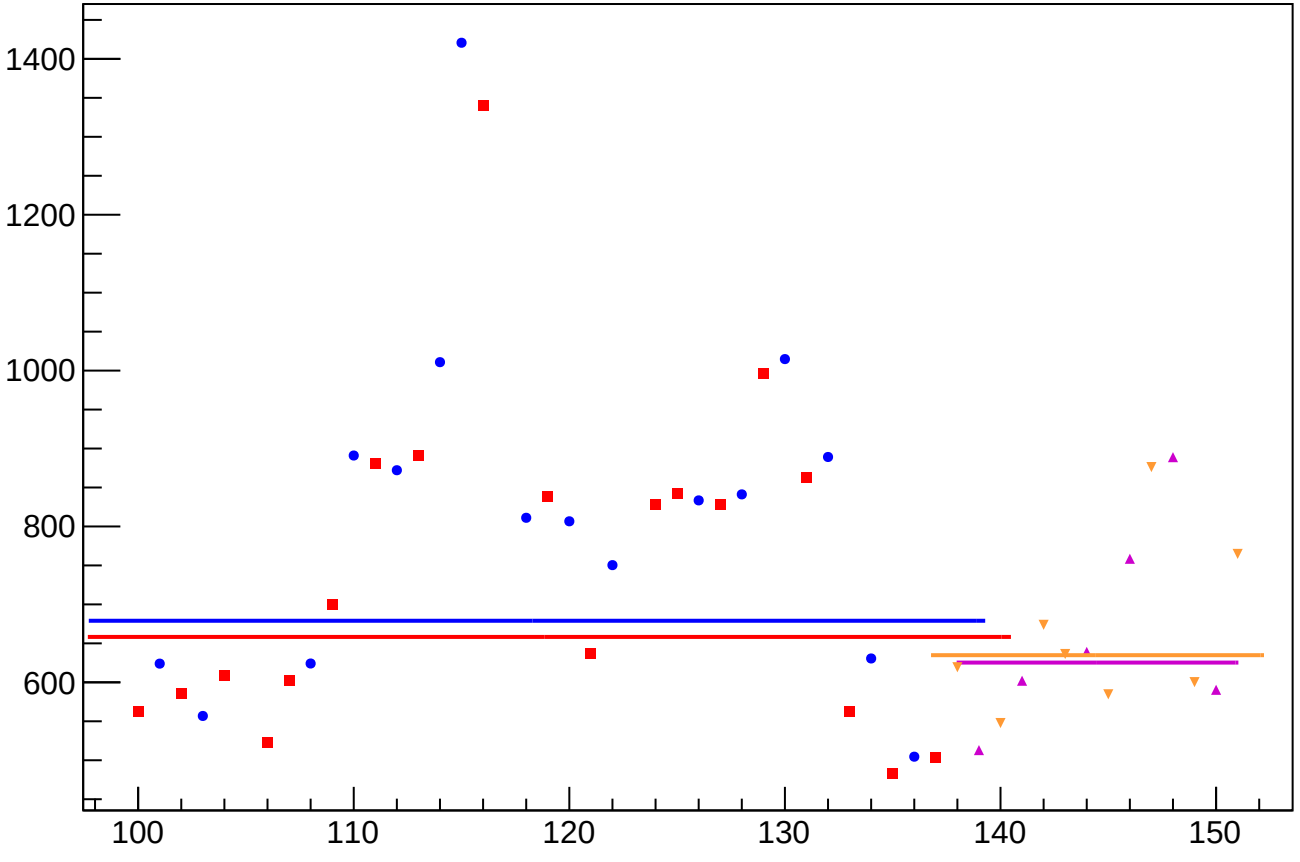
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -303.196+/-189.910 χ^2/NDF:19.4/21

Out: -104.782+/-179.735 χ^2/NDF:25.8/26

All: -198.532+/-130.540 χ^2/NDF: 45.8/48

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.833+/-0.183 χ^2/NDF:232914.8/7

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 625.331+/-0.197 χ^2/NDF:286387.2/5

Left: 630.423+/-0.134 χ^2/NDF: 520550.1/13

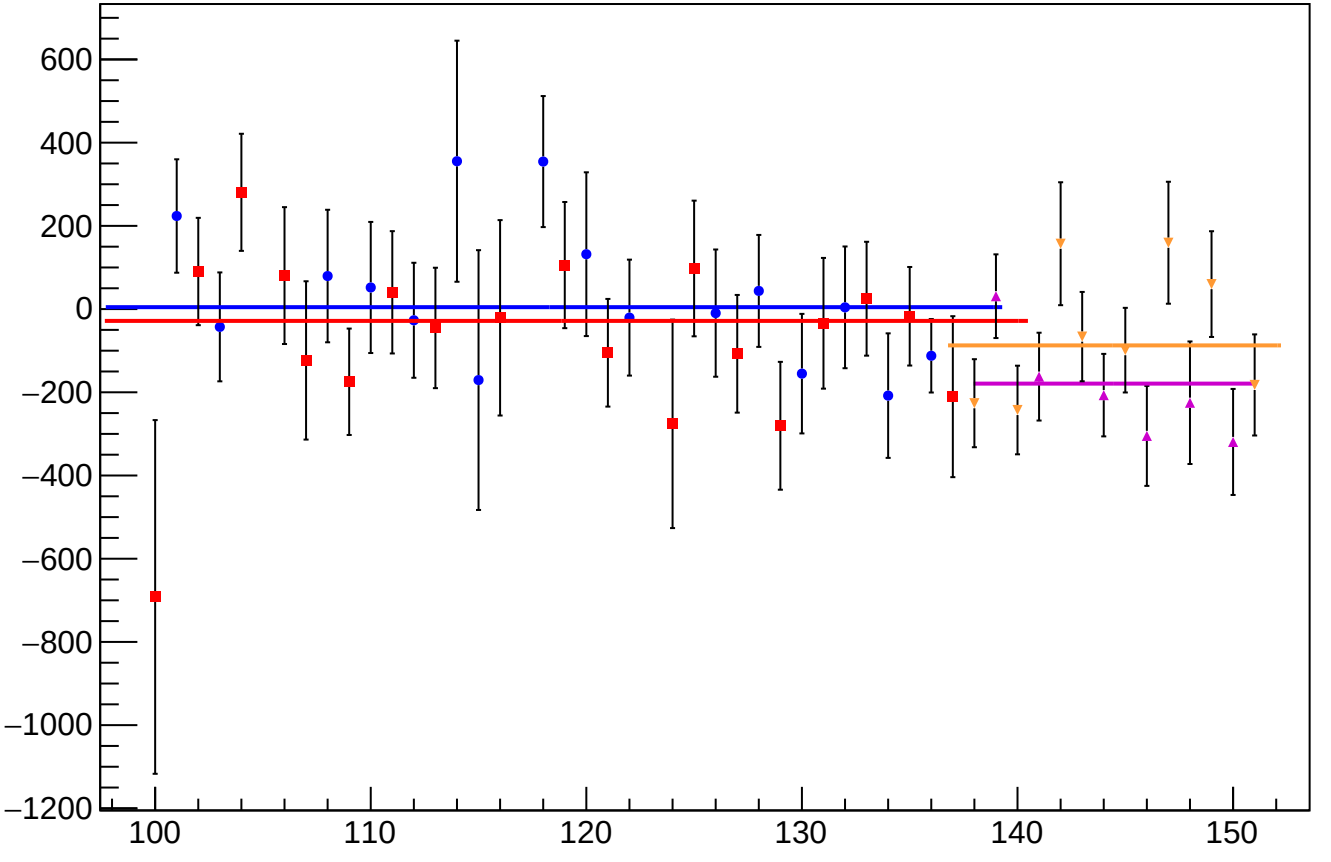
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 654.034+/-0.134 χ^2/NDF:1094115.0/21

Out: 646.987+/-0.127 χ^2/NDF:1047297.1/26

All: 650.316+/-0.092 χ^2/NDF: 2142864.7/48

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -87.285+/-41.419 χ^2/NDF:11.4/7

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -179.150+/-46.260 χ^2/NDF:6.9/5

Left: -128.160+/-30.858 χ^2/NDF: 20.5/13

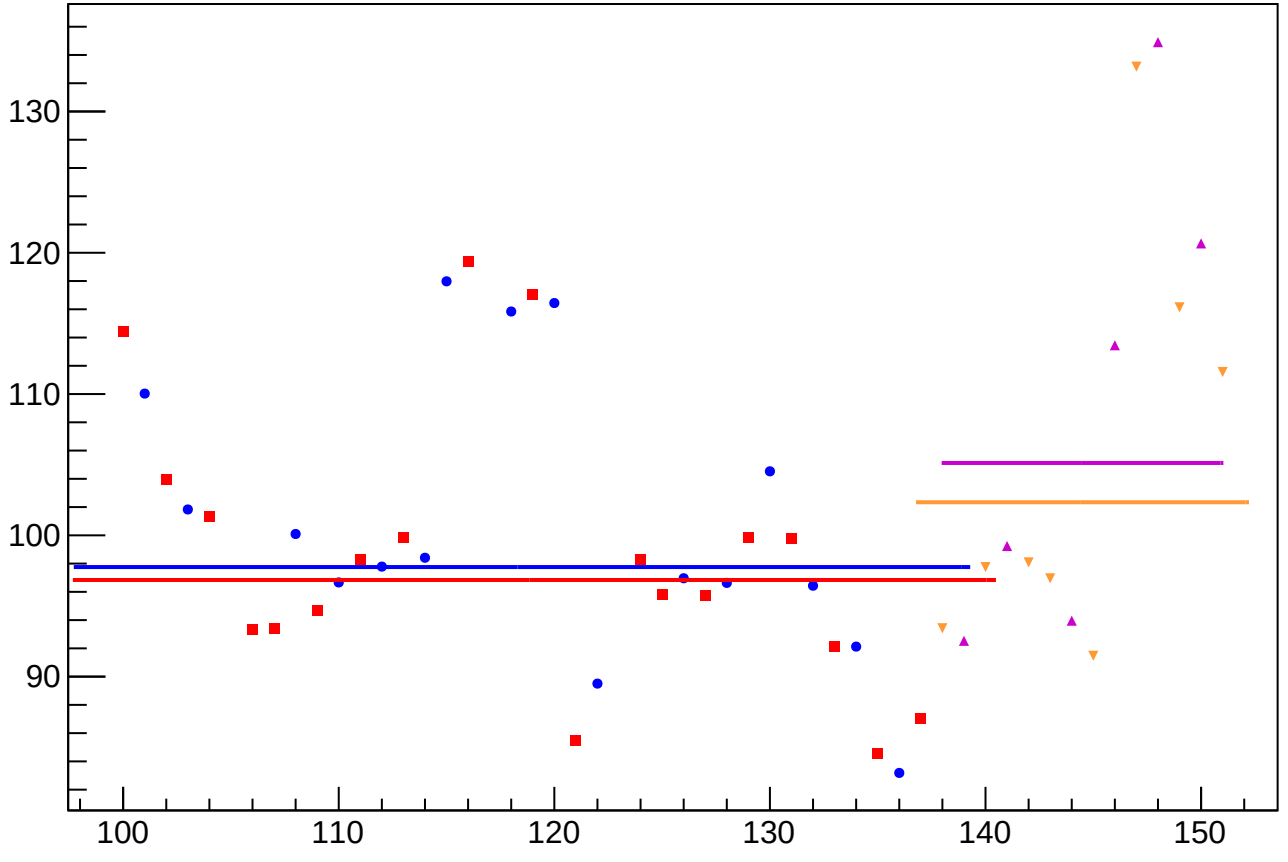
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -65.911+/-28.659 χ^2/NDF:31.9/21

Out: -53.313+/-26.939 χ^2/NDF:29.7/26

All: -59.223+/-19.629 χ^2/NDF: 61.7/48

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 102.342+/-0.029 χ^2/NDF:171027.1/7

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 105.123+/-0.033 χ^2/NDF:184044.8/5

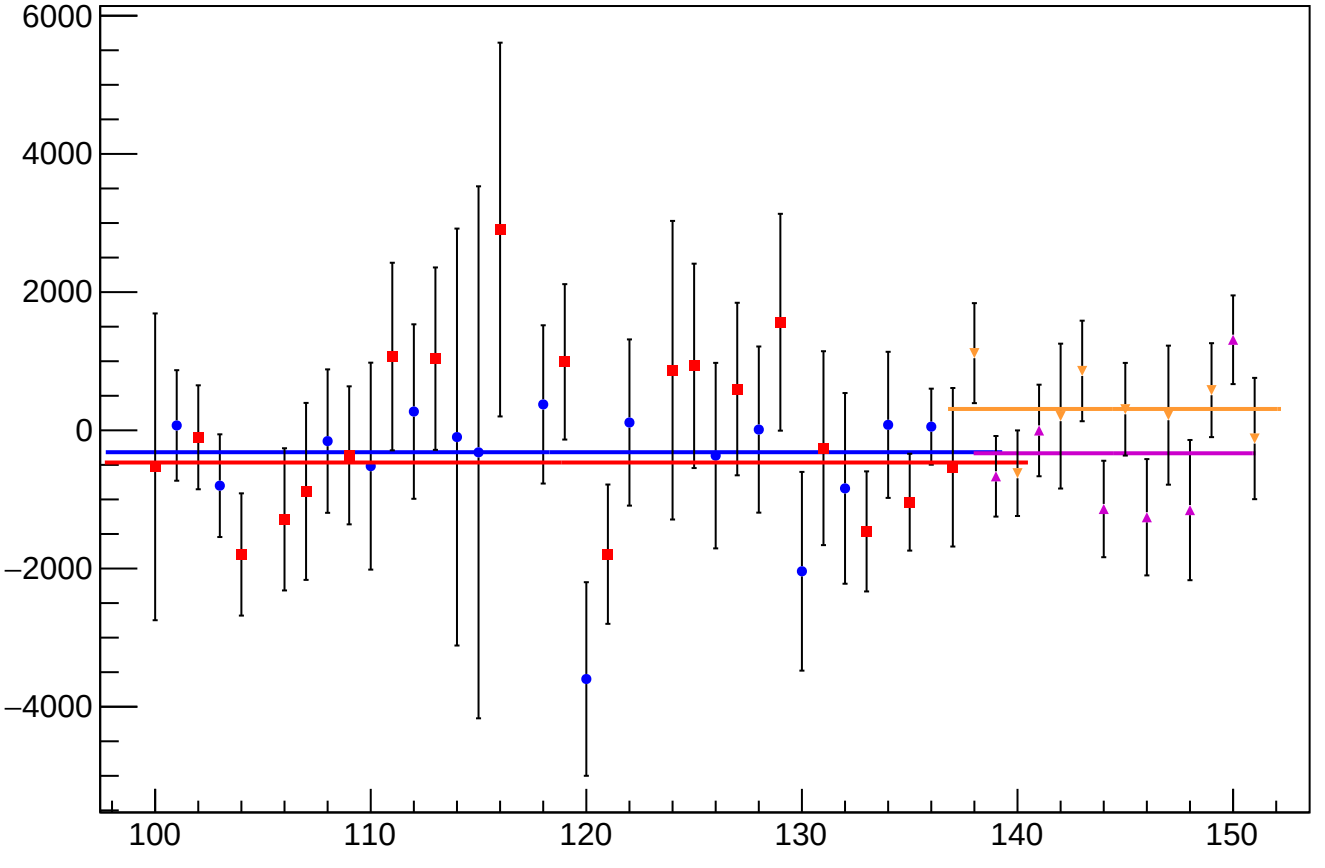
Left: 103.579+/-0.022 χ^2/NDF: 359082.4/13

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 100.583+/-0.020 χ^2/NDF:355950.7/21

Out: 99.167+/-0.019 χ^2/NDF:306563.2/26

All: 99.832+/-0.014 χ^2/NDF: 665105.9/48



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 309.247+/-267.351 χ^2/NDF:4.5/7

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -332.008+/-287.698 χ^2/NDF:10.3/5

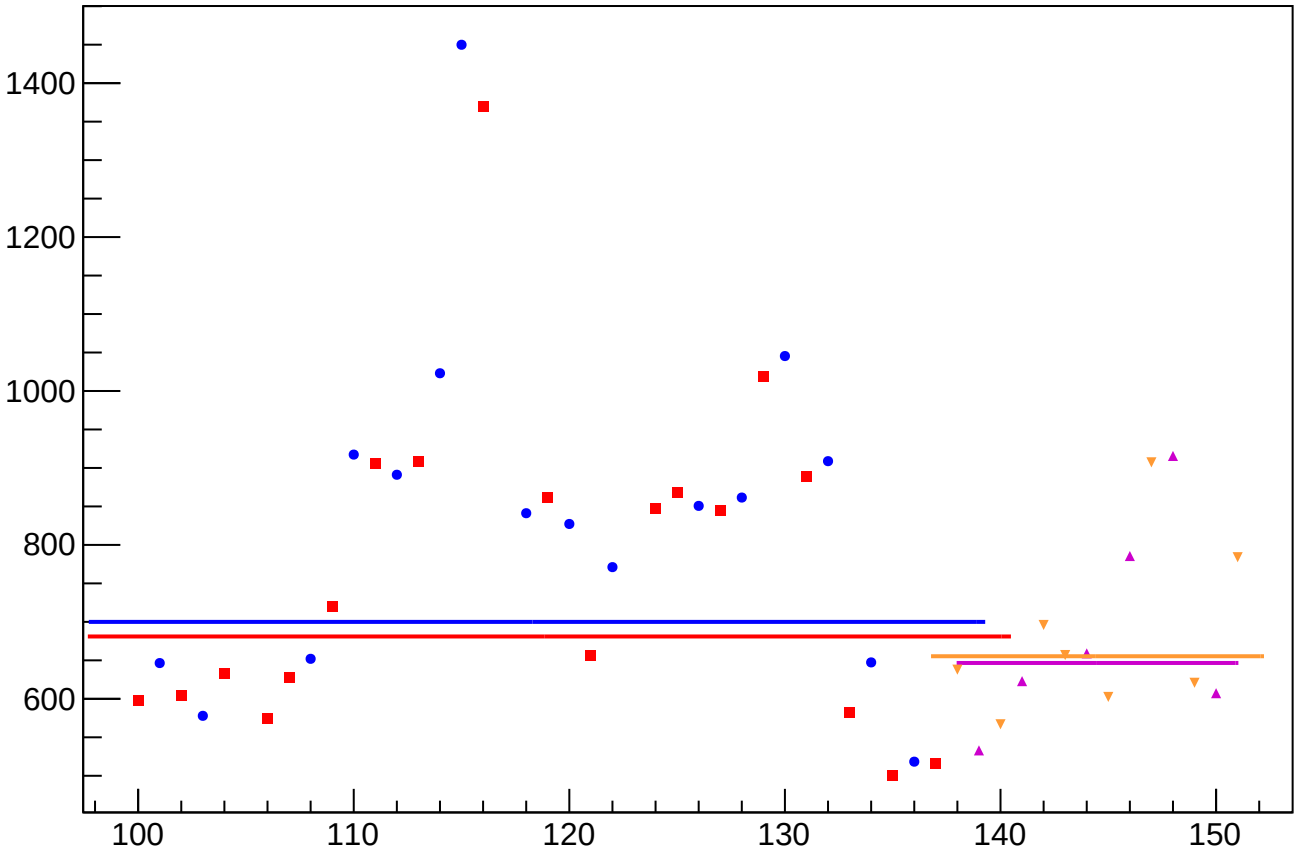
Left: 12.096+/-195.844 χ^2/NDF: 17.5/13

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -323.729+/-195.909 χ^2/NDF:19.5/21

Out: -93.987+/-185.145 χ^2/NDF:25.3/26

All: -202.374+/-134.562 χ^2/NDF: 45.5/48



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 655.331+/-0.189 χ^2/NDF:230921.8/7

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 646.600+/-0.203 χ^2/NDF:281648.3/5

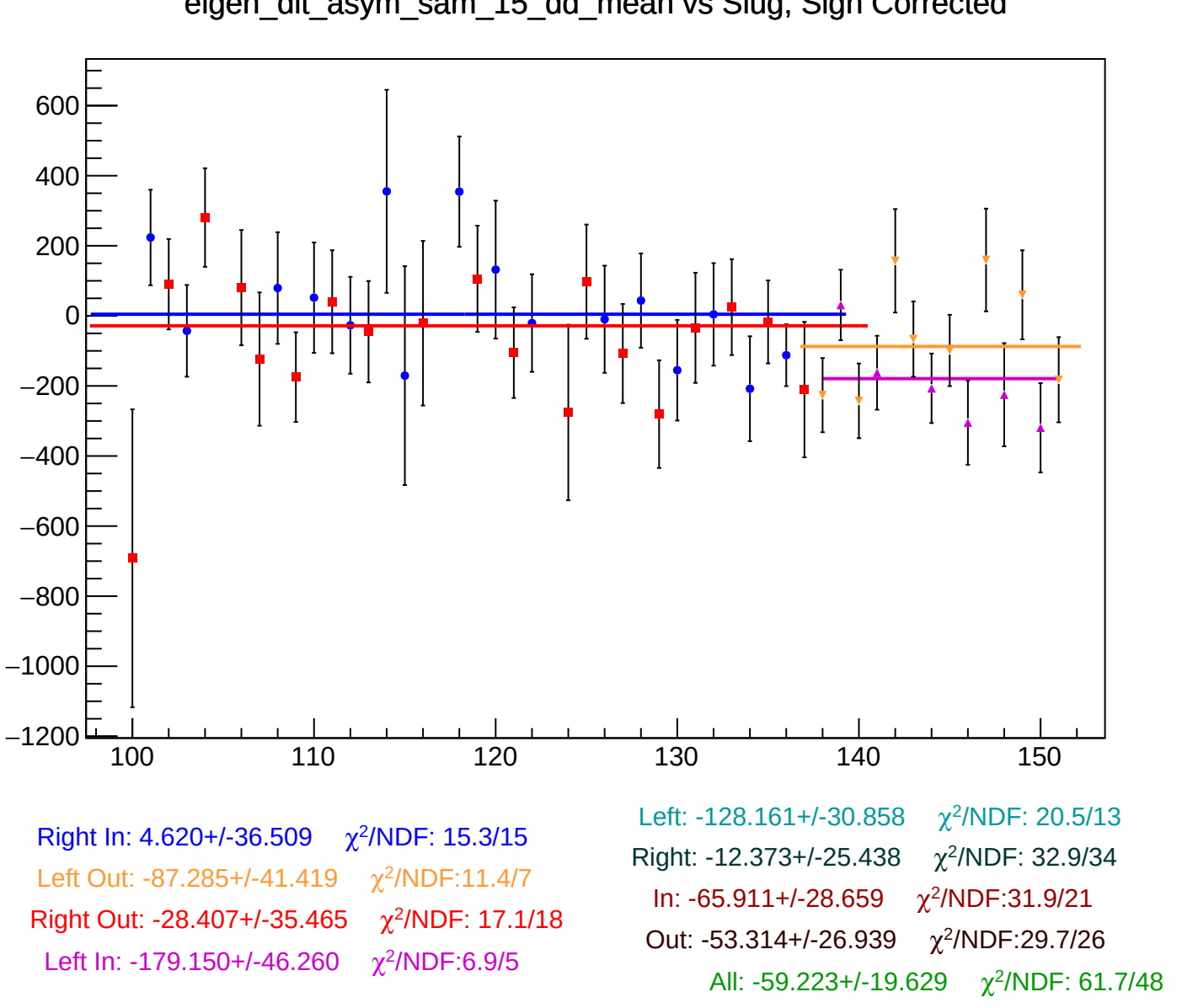
Left: 651.285+/-0.138 χ^2/NDF: 513558.5/13

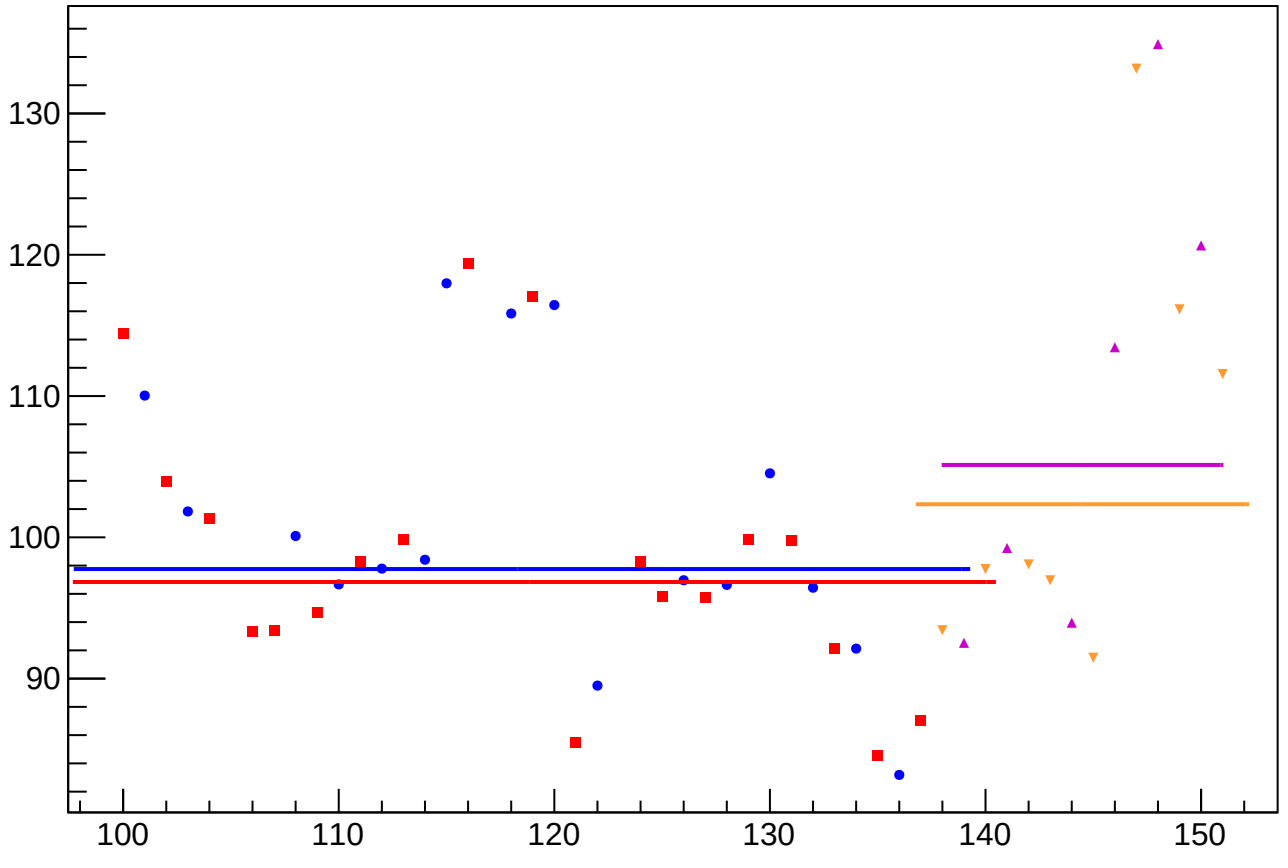
Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 675.224+/-0.139 χ^2/NDF:1072229.0/21

Out: 668.698+/-0.131 χ^2/NDF:1009926.4/26

All: 671.777+/-0.095 χ^2/NDF: 2083327.7/48


eigen_dit_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
Right In: 4.620+/-36.509 χ²/NDF: 15.3/15
Left Out: -87.285+/-41.419 χ²/NDF:11.4/7
Right Out: -28.407+/-35.465 χ²/NDF: 17.1/18
Left In: -179.150+/-46.260 χ²/NDF:6.9/5
Left: -128.161+/-30.858 χ²/NDF: 20.5/13
Right: -12.373+/-25.438 χ²/NDF: 32.9/34
In: -65.911+/-28.659 χ²/NDF:31.9/21
Out: -53.314+/-26.939 χ²/NDF:29.7/26
All: -59.223+/-19.629 χ²/NDF: 61.7/48



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 102.342+/-0.029 χ^2/NDF:171027.7/7

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 105.123+/-0.033 χ^2/NDF:184045.1/5

Left: 103.579+/-0.022 χ^2/NDF: 359083.6/13

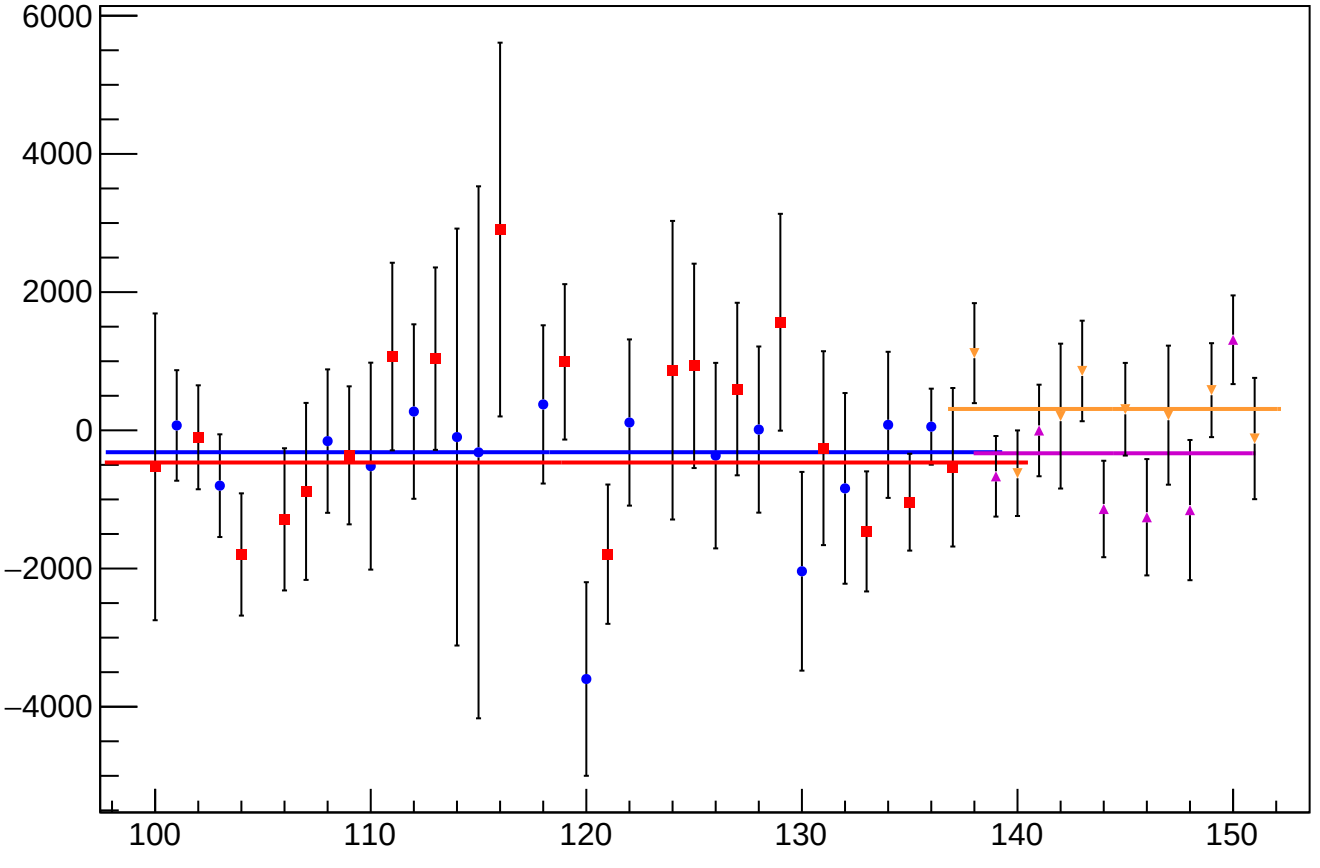
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 100.583+/-0.020 χ^2/NDF:355955.7/21

Out: 99.167+/-0.019 χ^2/NDF:306569.3/26

All: 99.831+/-0.014 χ^2/NDF: 665117.2/48

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 309.246+/-267.351 χ^2/NDF:4.5/7

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -332.009+/-287.699 χ^2/NDF:10.3/5

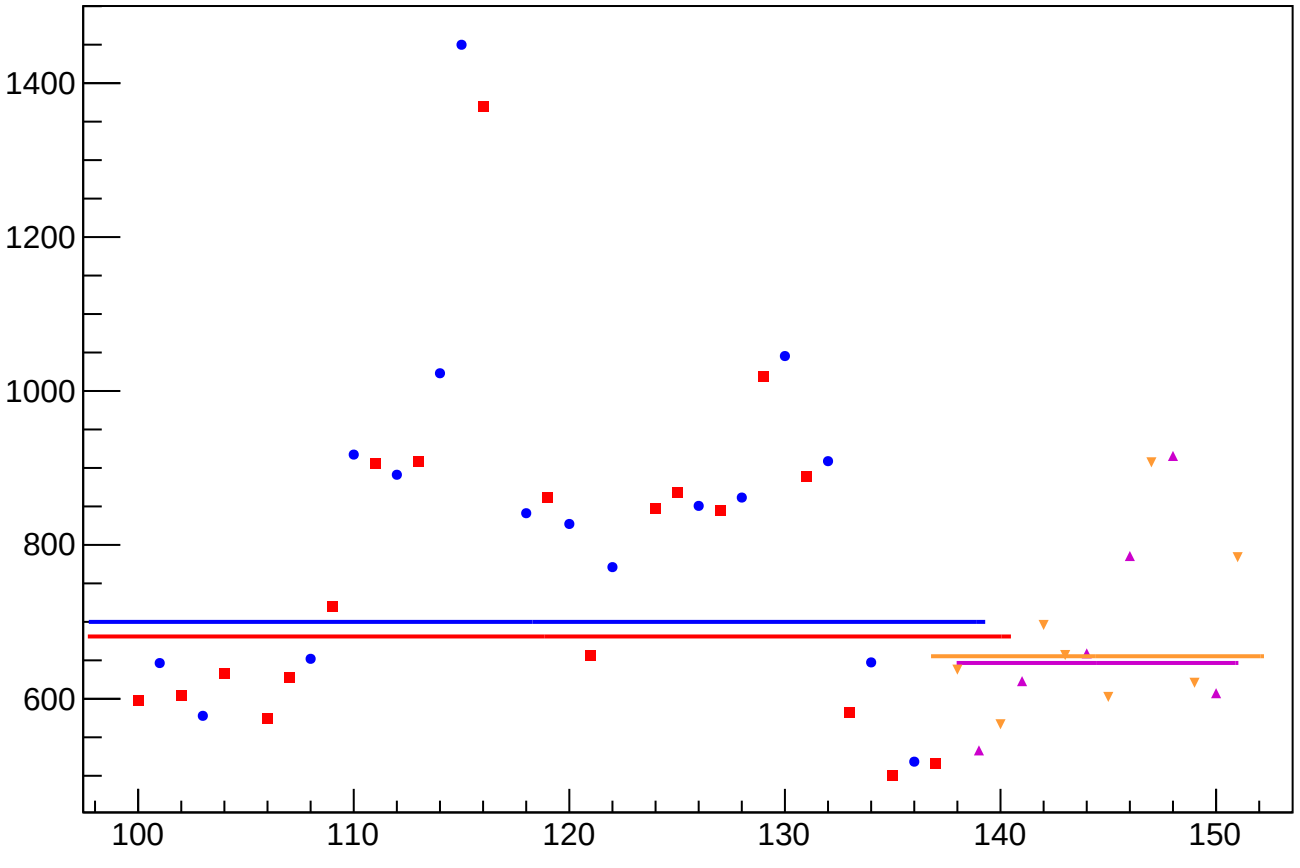
Left: 12.095+/-195.844 χ^2/NDF: 17.5/13

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -323.729+/-195.909 χ^2/NDF:19.5/21

Out: -93.989+/-185.145 χ^2/NDF:25.3/26

All: -202.374+/-134.562 χ^2/NDF: 45.5/48



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 655.332+/-0.189 χ^2/NDF:230921.0/7

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 646.601+/-0.203 χ^2/NDF:281648.1/5

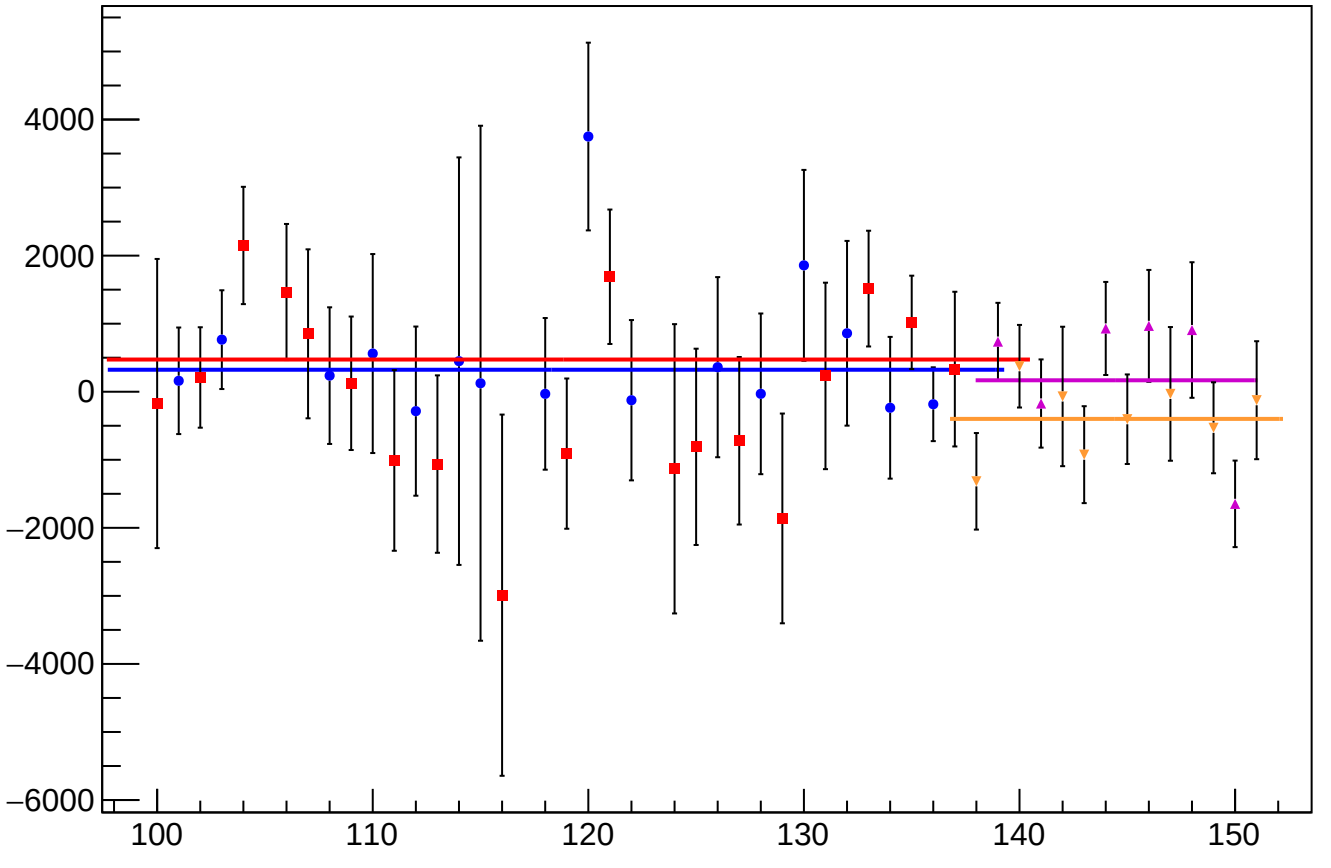
Left: 651.286+/-0.138 χ^2/NDF: 513557.4/13

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 675.224+/-0.139 χ^2/NDF:1072228.1/21

Out: 668.698+/-0.131 χ^2/NDF:1009927.1/26

All: 671.777+/-0.095 χ^2/NDF: 2083327.6/48



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -399.079+/-262.248 χ^2/NDF:4.2/7

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 168.224+/-282.181 χ^2/NDF:12.2/5

Left: -136.170+/-192.098 χ^2/NDF: 18.6/13

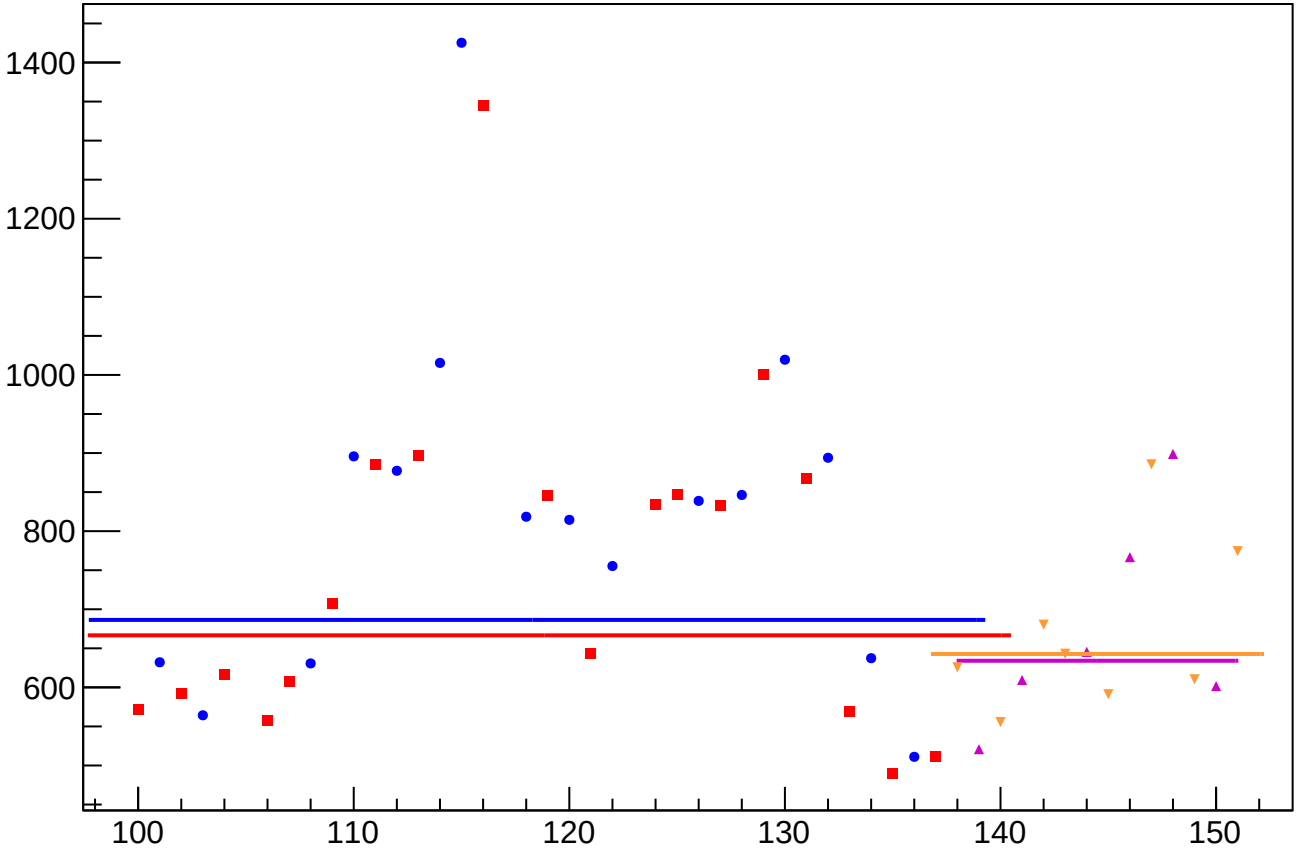
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 251.353+/-192.131 χ^2/NDF:22.0/21

Out: 55.612+/-181.454 χ^2/NDF:29.4/26

All: 147.893+/-131.921 χ^2/NDF: 52.0/48

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 642.787+/-0.185 χ^2/NDF:230420.4/7

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 634.082+/-0.200 χ^2/NDF:280968.2/5

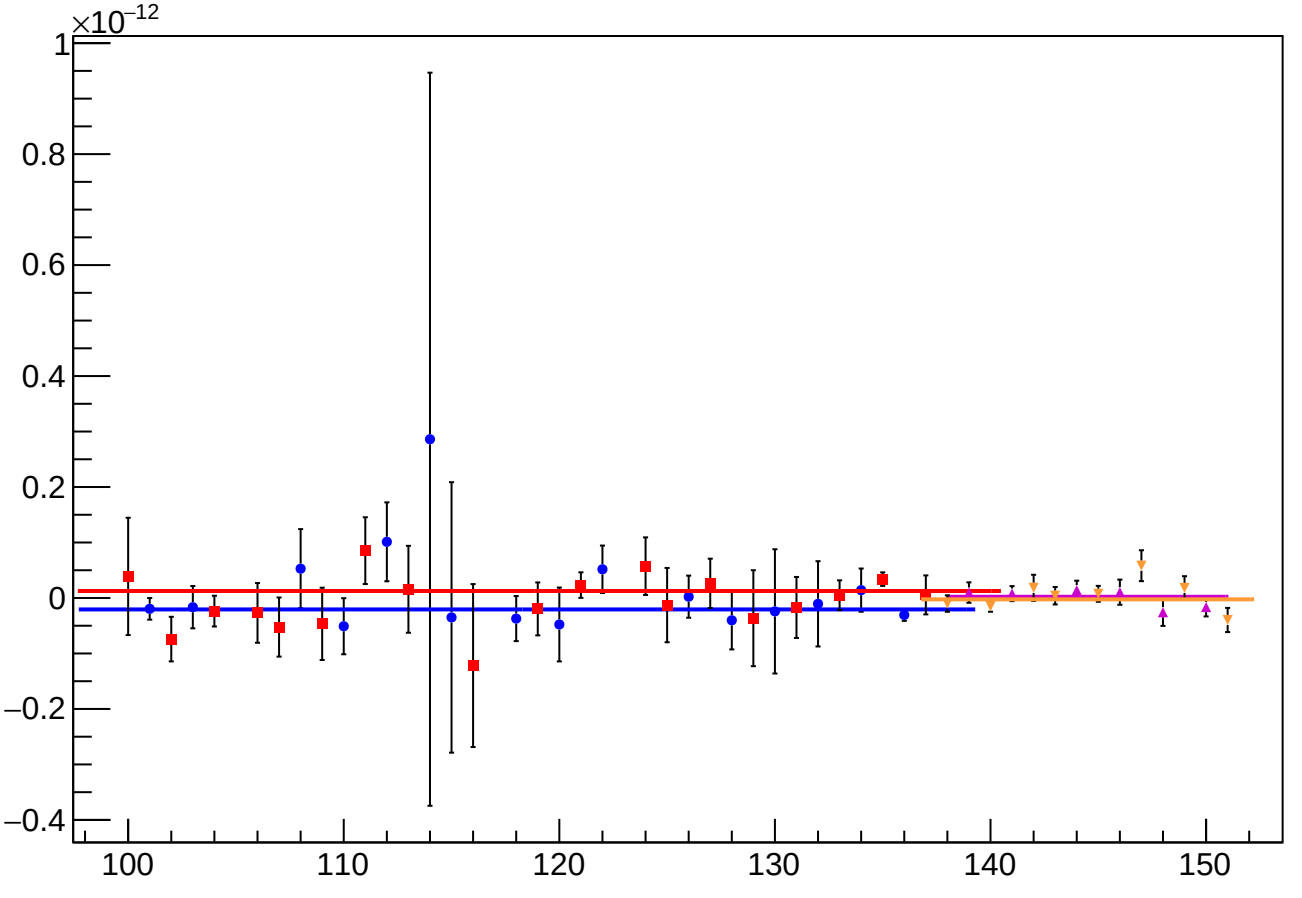
Left: 638.753+/-0.136 χ^2/NDF: 512409.9/13

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 662.143+/-0.136 χ^2/NDF:1067292.3/21

Out: 655.218+/-0.128 χ^2/NDF:1016074.4/26

All: 658.482+/-0.093 χ^2/NDF: 2084740.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/5

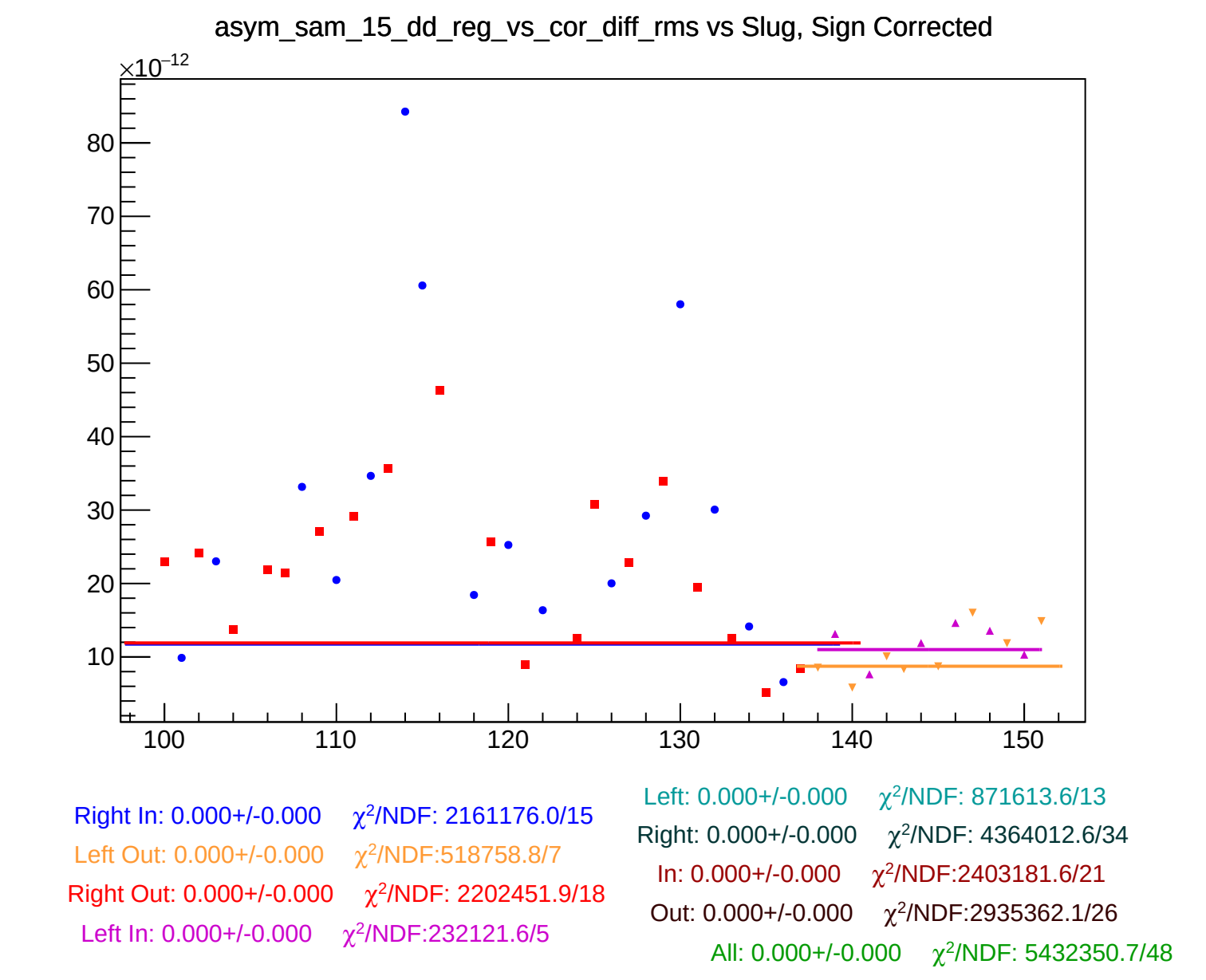
Left: -0.000+/-0.000 χ^2/NDF: 15.6/13

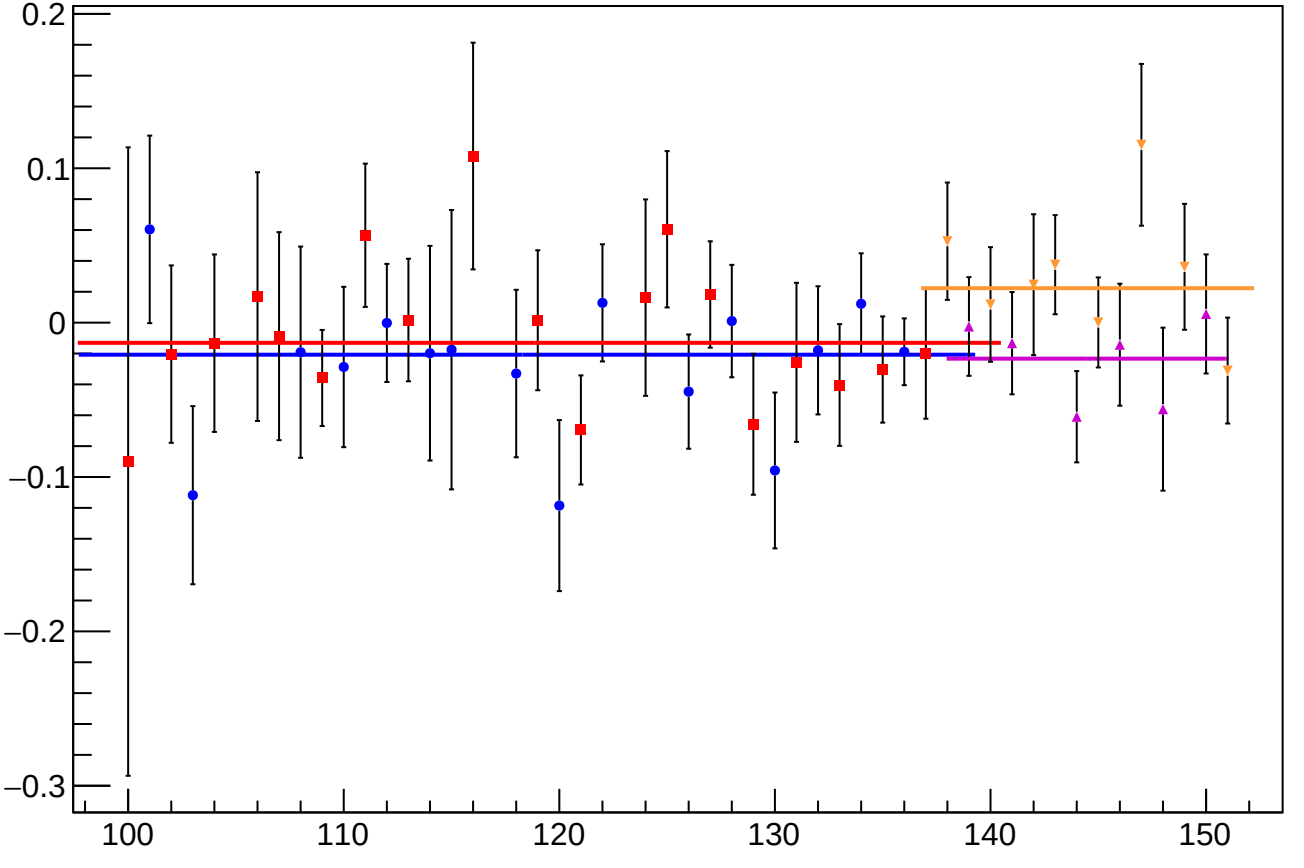
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:18.0/21

Out: 0.000+/-0.000 χ^2/NDF:31.3/26

All: -0.000+/-0.000 χ^2/NDF: 51.8/48


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:518758.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:232121.6/5
Left: 0.000+/-0.000 χ²/NDF: 871613.6/13
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2403181.6/21
Out: 0.000+/-0.000 χ²/NDF:2935362.1/26
All: 0.000+/-0.000 χ²/NDF: 5432350.7/48



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.022+/-0.013 χ^2/NDF:7.2/7

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.023+/-0.015 χ^2/NDF:3.1/5

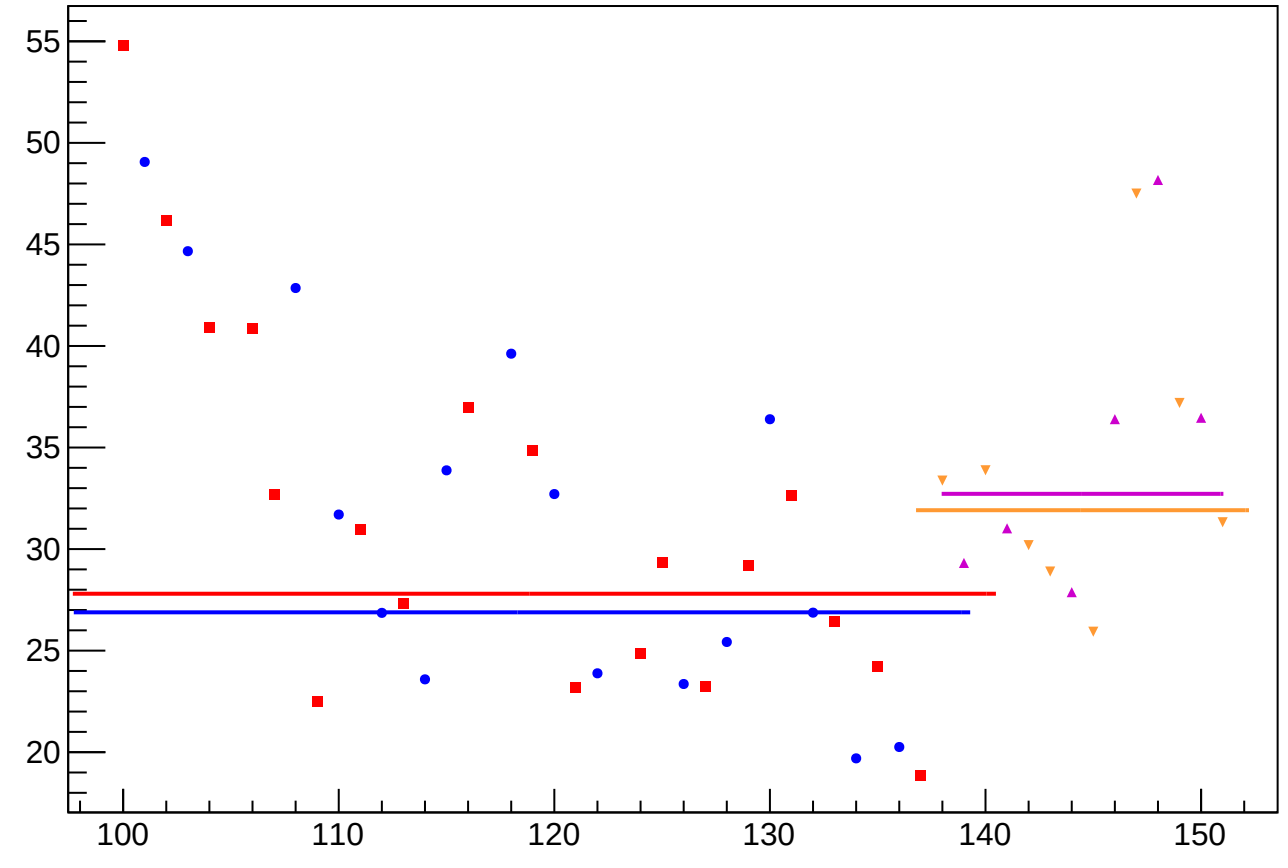
Left: 0.002+/-0.010 χ^2/NDF: 15.8/13

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:15.7/21

Out: 0.001+/-0.008 χ^2/NDF:25.6/26

All: -0.010+/-0.006 χ^2/NDF: 44.9/48



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.914+/-0.009 χ^2/NDF:324269.9/7

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.720+/-0.010 χ^2/NDF:289125.6/5

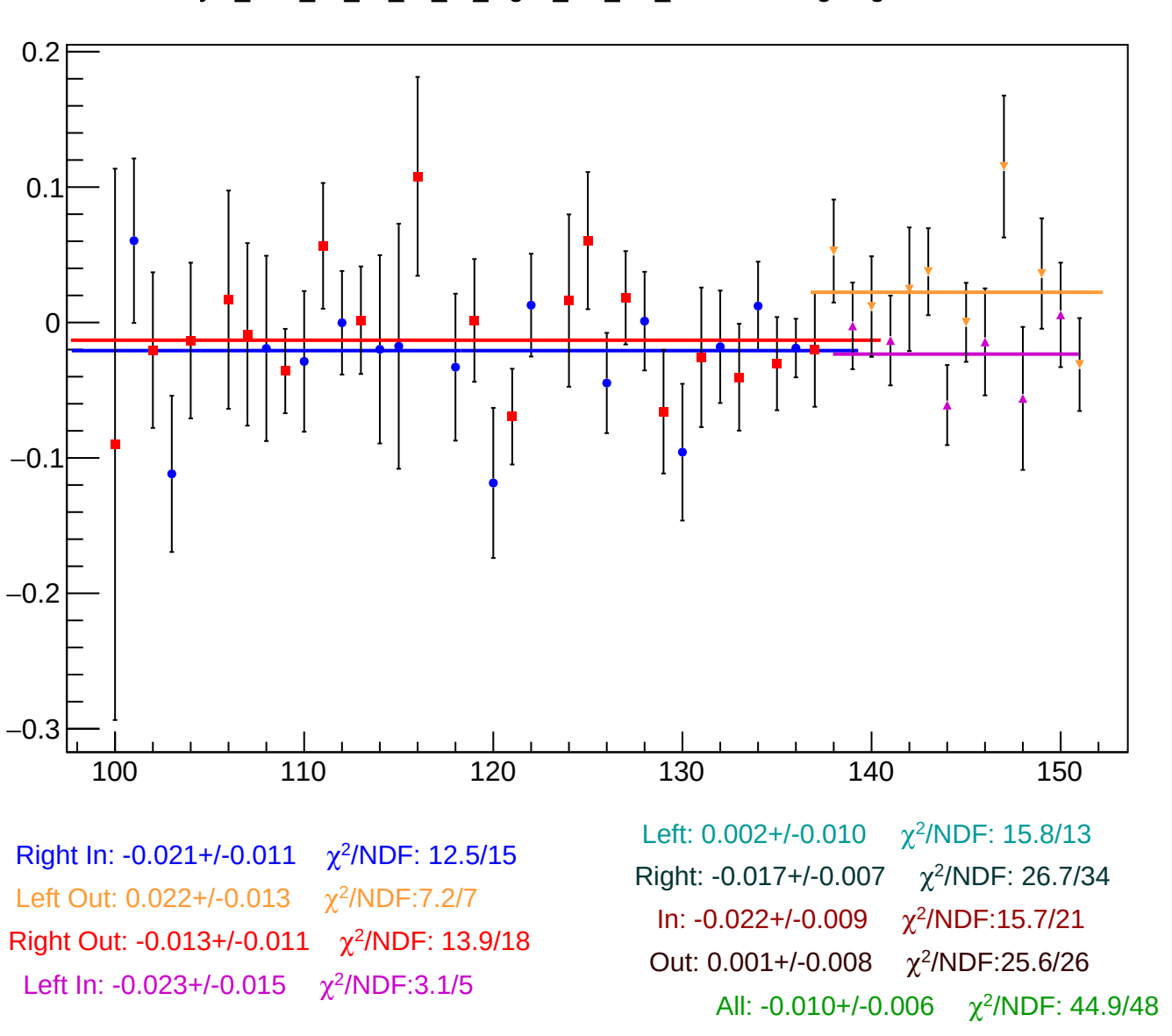
Left: 32.273+/-0.007 χ^2/NDF: 616789.3/13

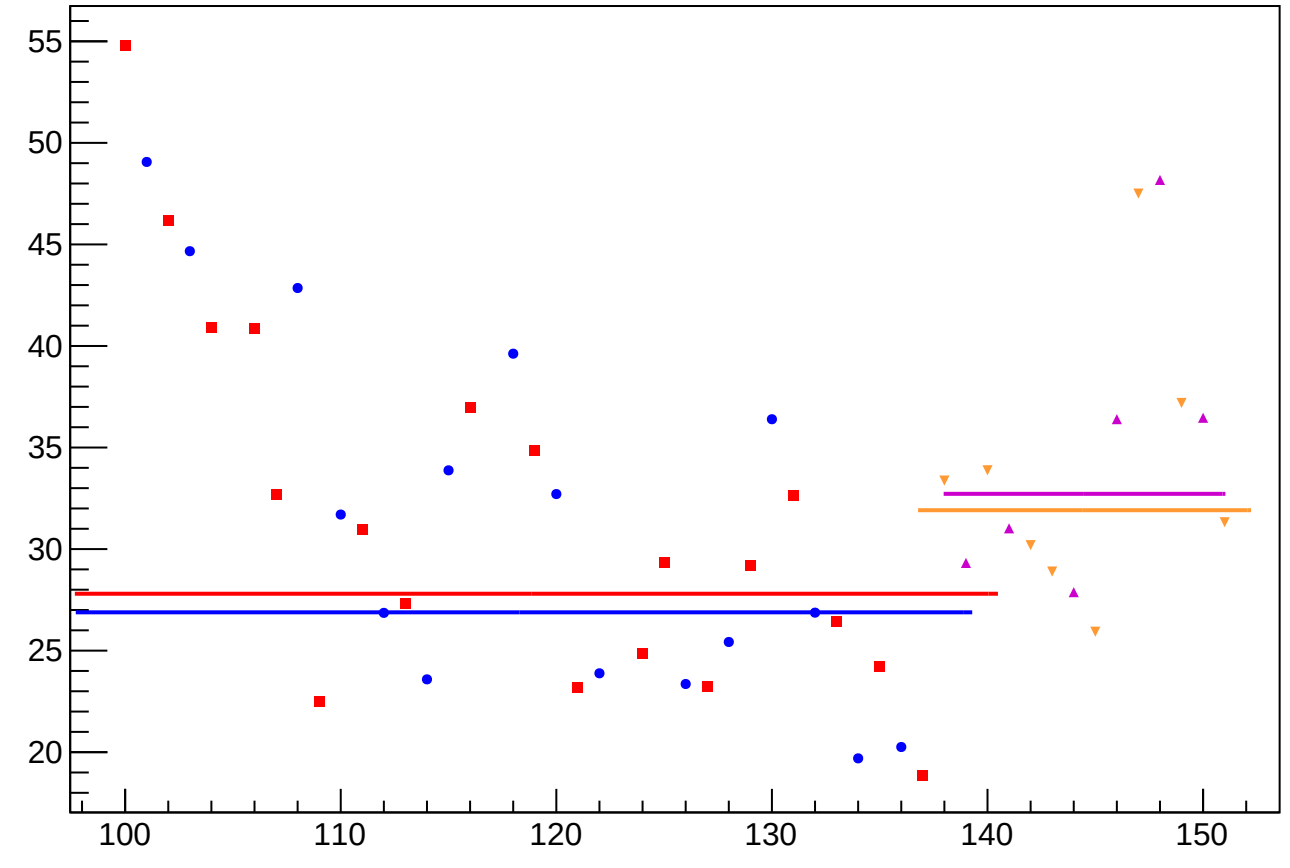
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 28.881+/-0.006 χ^2/NDF:1620488.2/21

Out: 29.423+/-0.006 χ^2/NDF:1207366.0/26

All: 29.163+/-0.004 χ^2/NDF: 2832050.3/48


asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.022+/-0.013 χ²/NDF:7.2/7
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.023+/-0.015 χ²/NDF:3.1/5
Left: 0.002+/-0.010 χ²/NDF: 15.8/13
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.022+/-0.009 χ²/NDF:15.7/21
Out: 0.001+/-0.008 χ²/NDF:25.6/26
All: -0.010+/-0.006 χ²/NDF: 44.9/48



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.914+/-0.009 χ^2/NDF:324269.9/7

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.720+/-0.010 χ^2/NDF:289125.6/5

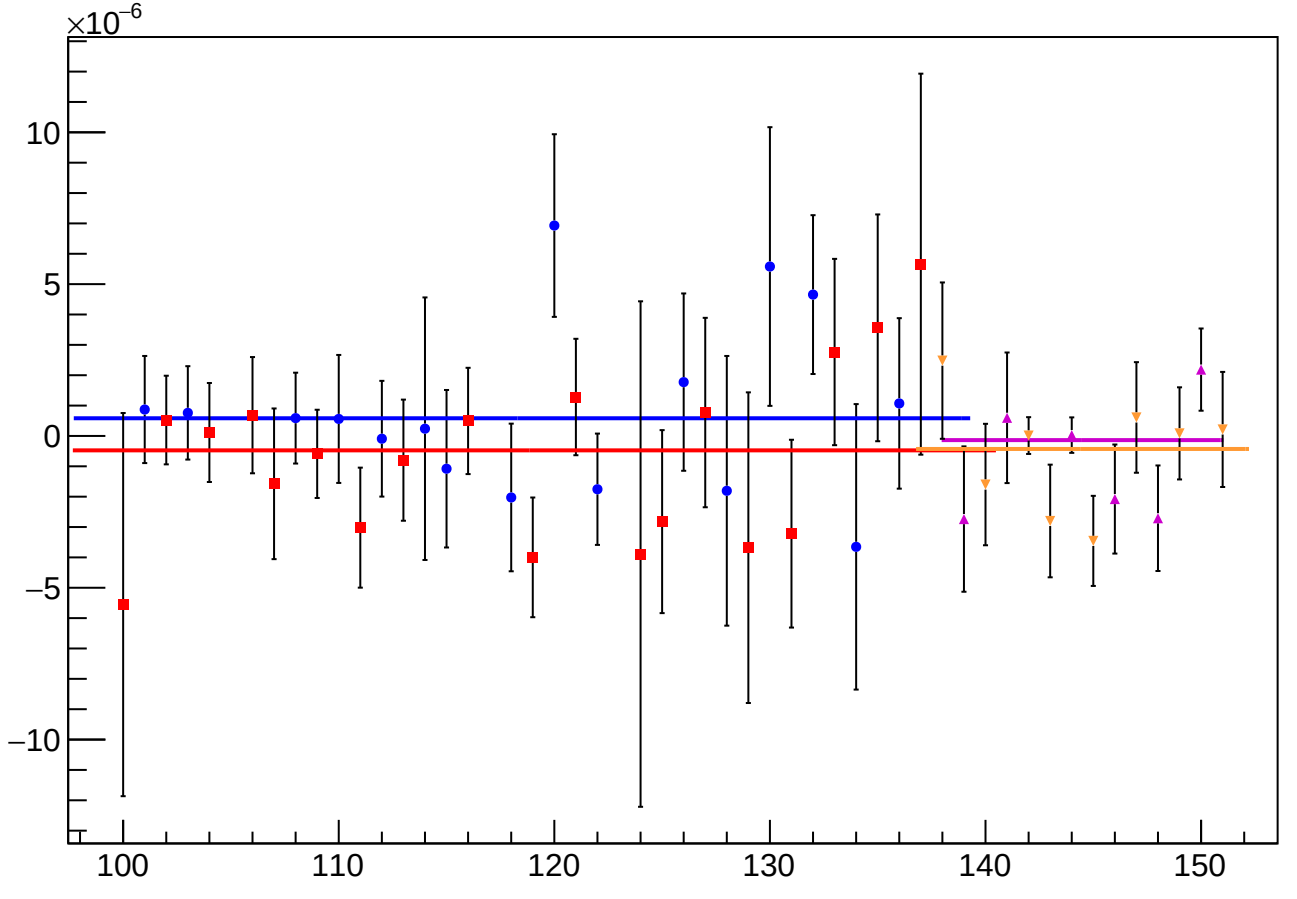
Left: 32.273+/-0.007 χ^2/NDF: 616789.3/13

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 28.881+/-0.006 χ^2/NDF:1620488.2/21

Out: 29.423+/-0.006 χ^2/NDF:1207366.0/26

All: 29.163+/-0.004 χ^2/NDF: 2832050.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/5

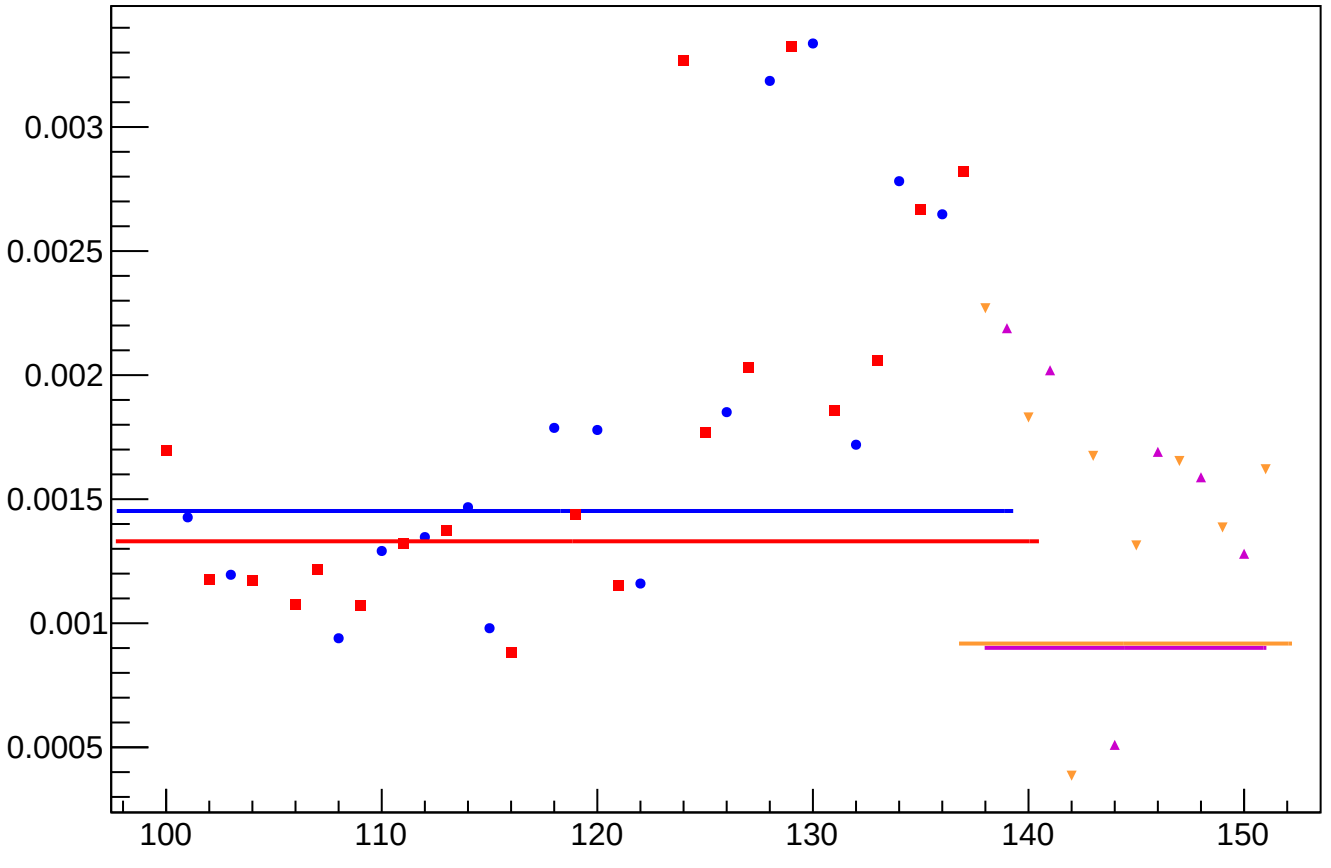
Left: -0.000+/-0.000 χ^2/NDF: 16.4/13

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:21.3/21

Out: -0.000+/-0.000 χ^2/NDF:21.7/26

All: -0.000+/-0.000 χ^2/NDF: 44.5/48



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3778560.6/7

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2873491.8/5

Left: 0.001+/-0.000 χ^2/NDF: 6653440.9/13

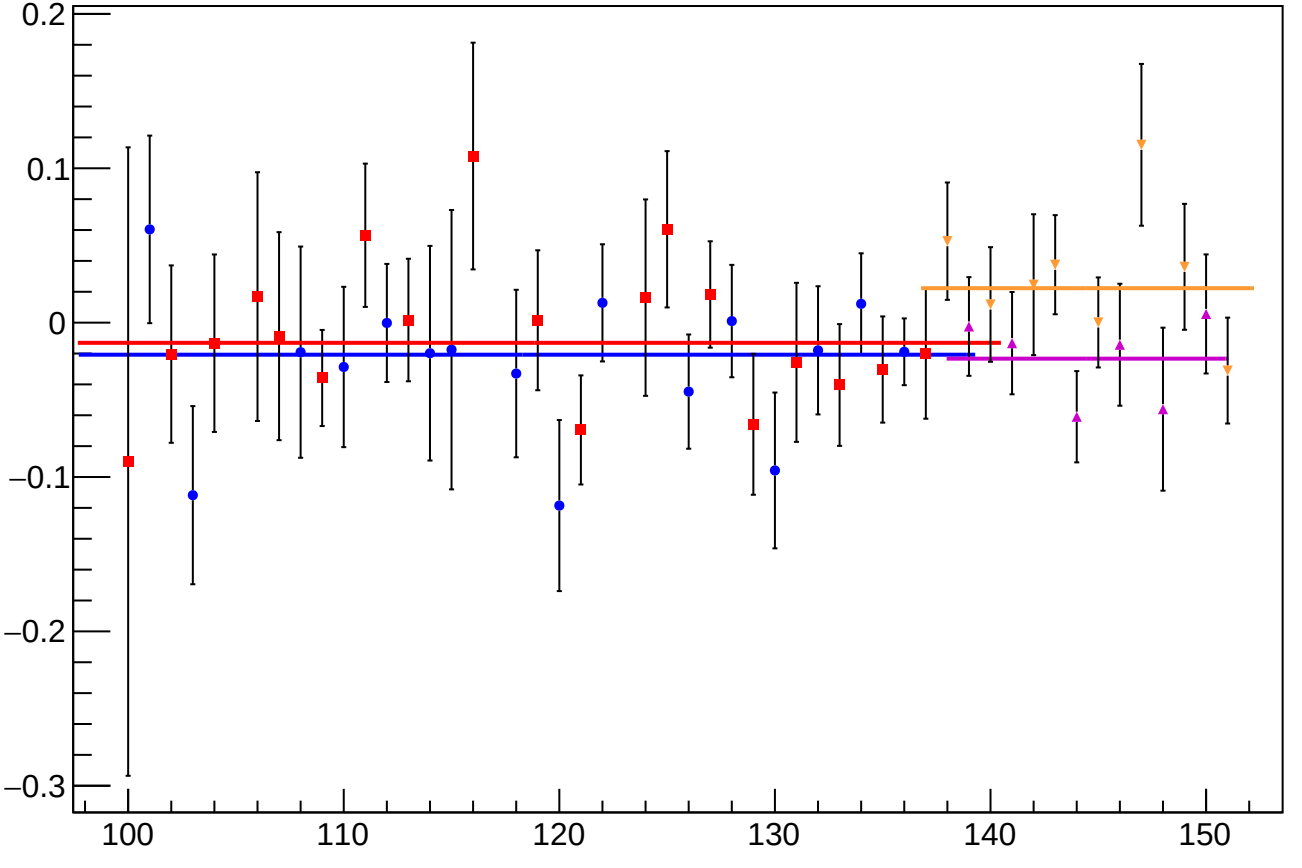
Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:5680618.7/21

Out: 0.001+/-0.000 χ^2/NDF:5898509.8/26

All: 0.001+/-0.000 χ^2/NDF: 11584254.5/48

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.022+/-0.013 χ^2/NDF:7.2/7

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.023+/-0.015 χ^2/NDF:3.1/5

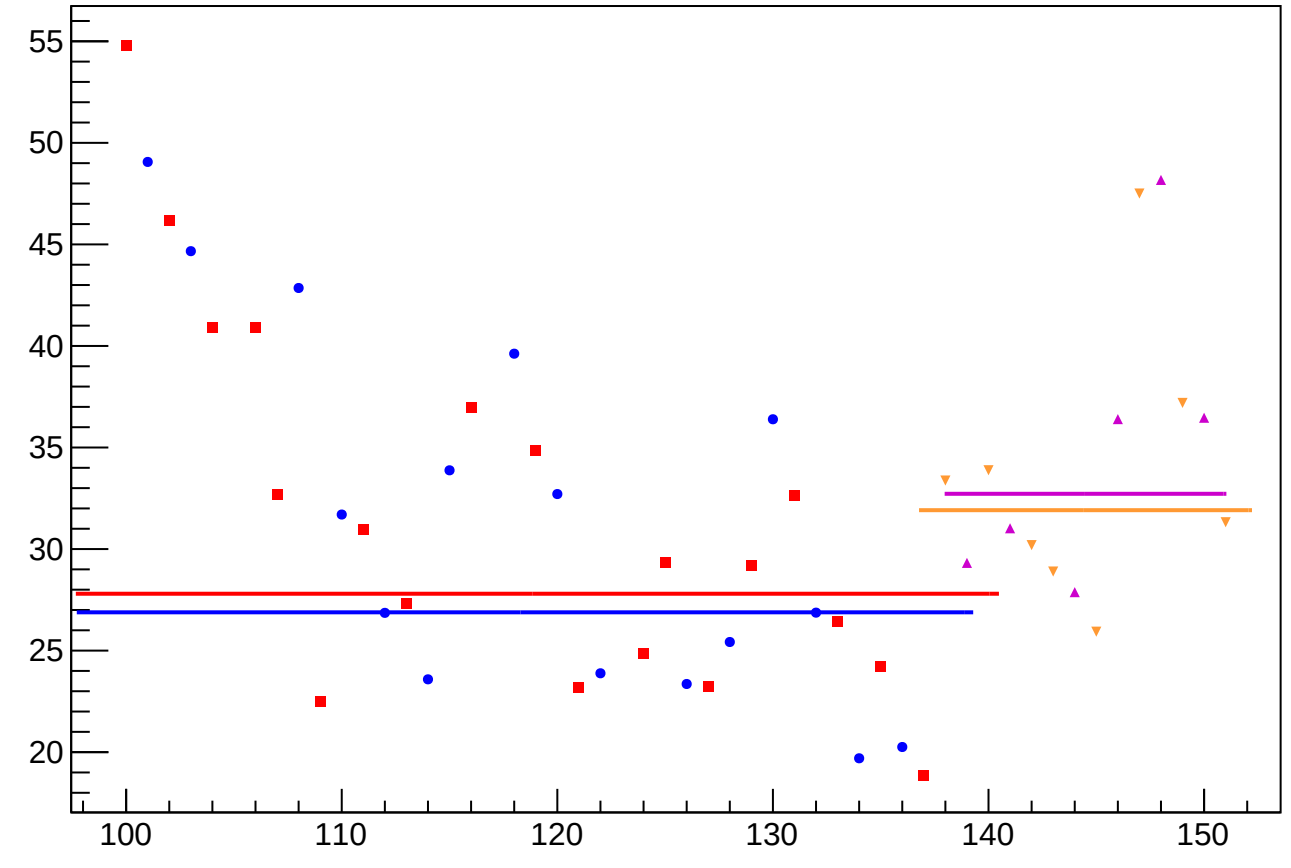
Left: 0.002+/-0.010 χ^2/NDF: 15.8/13

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:15.7/21

Out: 0.001+/-0.008 χ^2/NDF:25.6/26

All: -0.010+/-0.006 χ^2/NDF: 44.9/48



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.914+/-0.009 χ^2/NDF:324322.0/7

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.721+/-0.010 χ^2/NDF:289131.3/5

Left: 32.273+/-0.007 χ^2/NDF: 616852.1/13

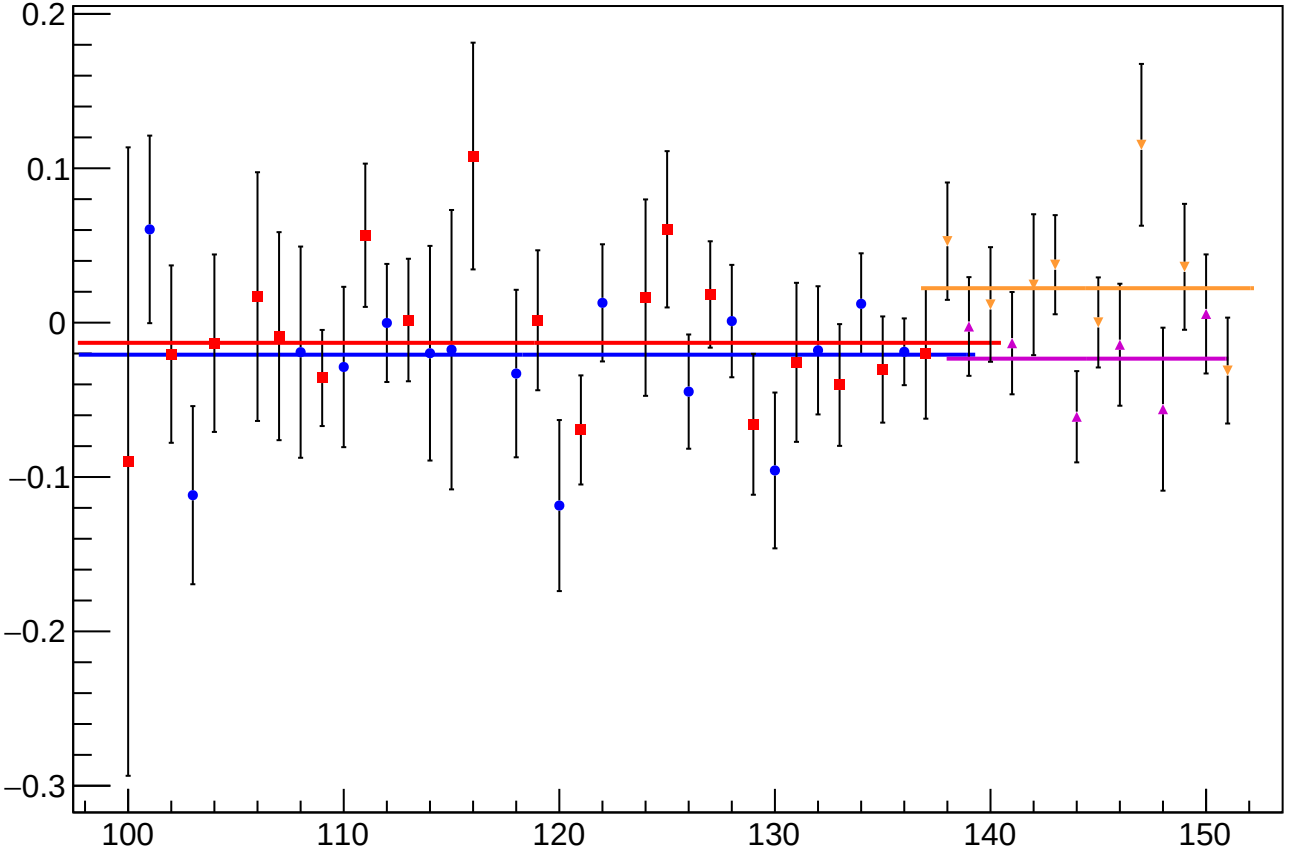
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 28.881+/-0.006 χ^2/NDF:1620617.1/21

Out: 29.422+/-0.006 χ^2/NDF:1207613.5/26

All: 29.162+/-0.004 χ^2/NDF: 2832420.6/48

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: 0.022+/-0.013 χ^2/NDF:7.2/7

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.023+/-0.015 χ^2/NDF:3.1/5

Left: 0.002+/-0.010 χ^2/NDF: 15.8/13

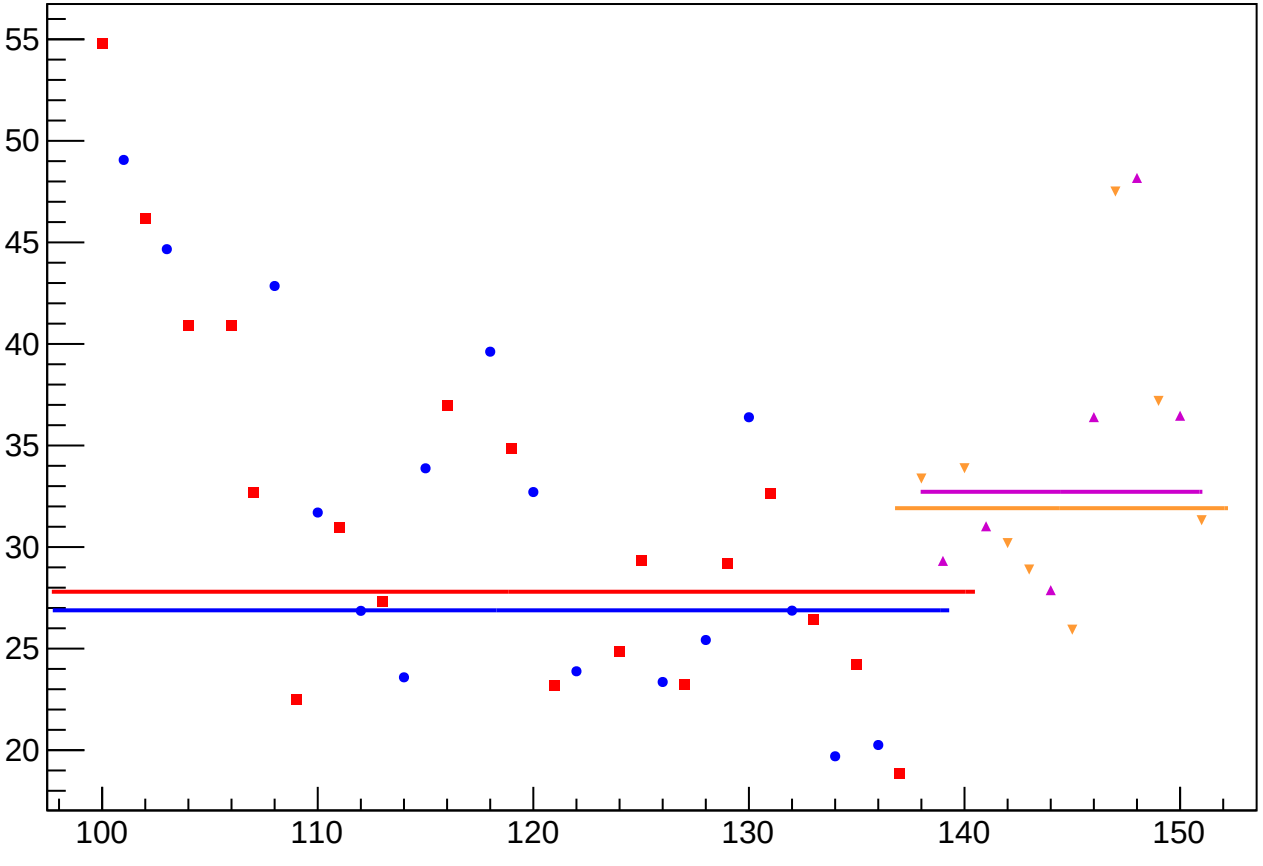
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.009 χ^2/NDF:15.7/21

Out: 0.001+/-0.008 χ^2/NDF:25.6/26

All: -0.010+/-0.006 χ^2/NDF: 44.9/48

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: 31.914+/-0.009 χ^2/NDF:324322.0/7

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.721+/-0.010 χ^2/NDF:289131.3/5

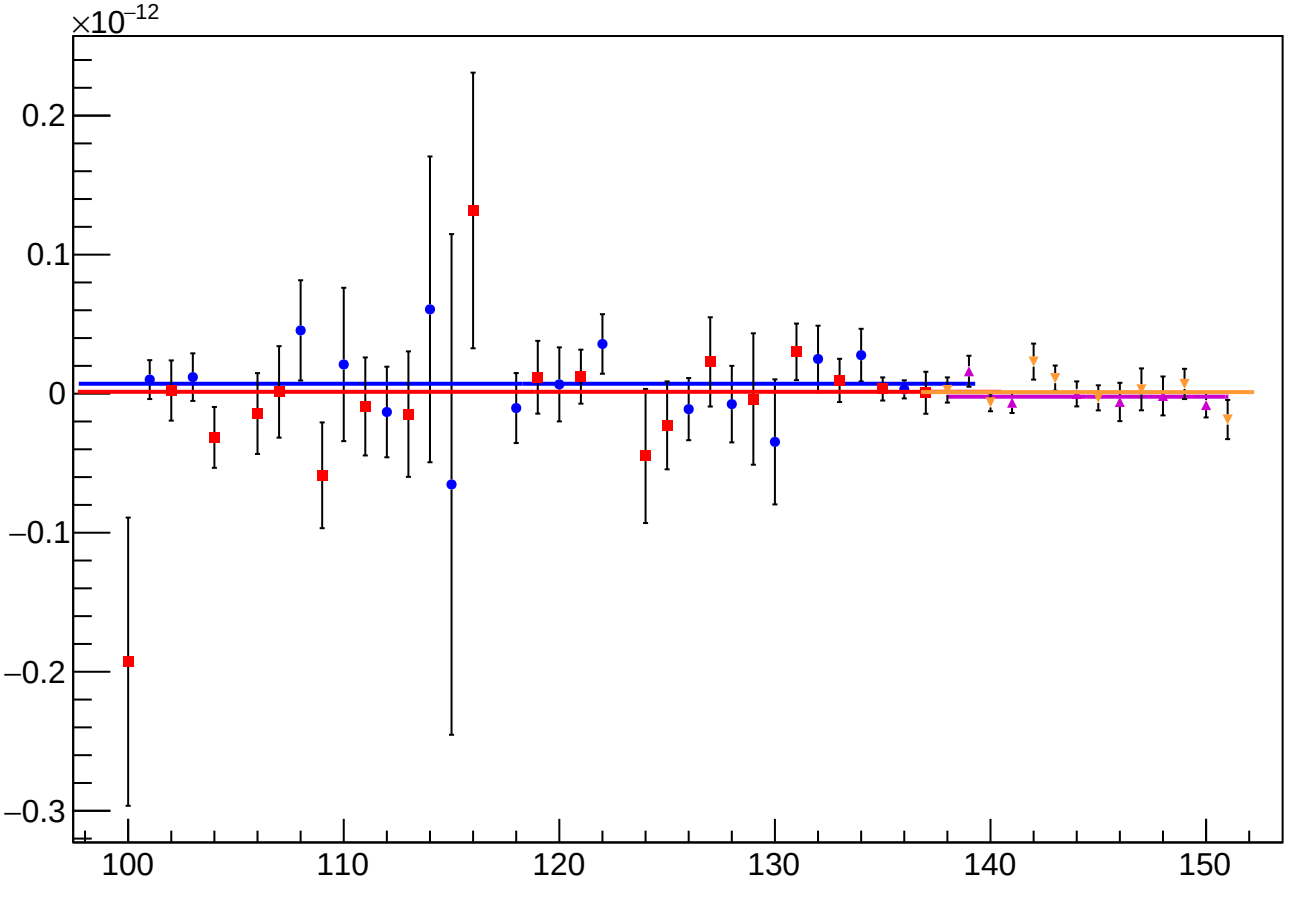
Left: 32.273+/-0.007 χ^2/NDF: 616852.1/13

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 28.881+/-0.006 χ^2/NDF:1620617.1/21

Out: 29.422+/-0.006 χ^2/NDF:1207613.5/26

All: 29.162+/-0.004 χ^2/NDF: 2832420.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/5

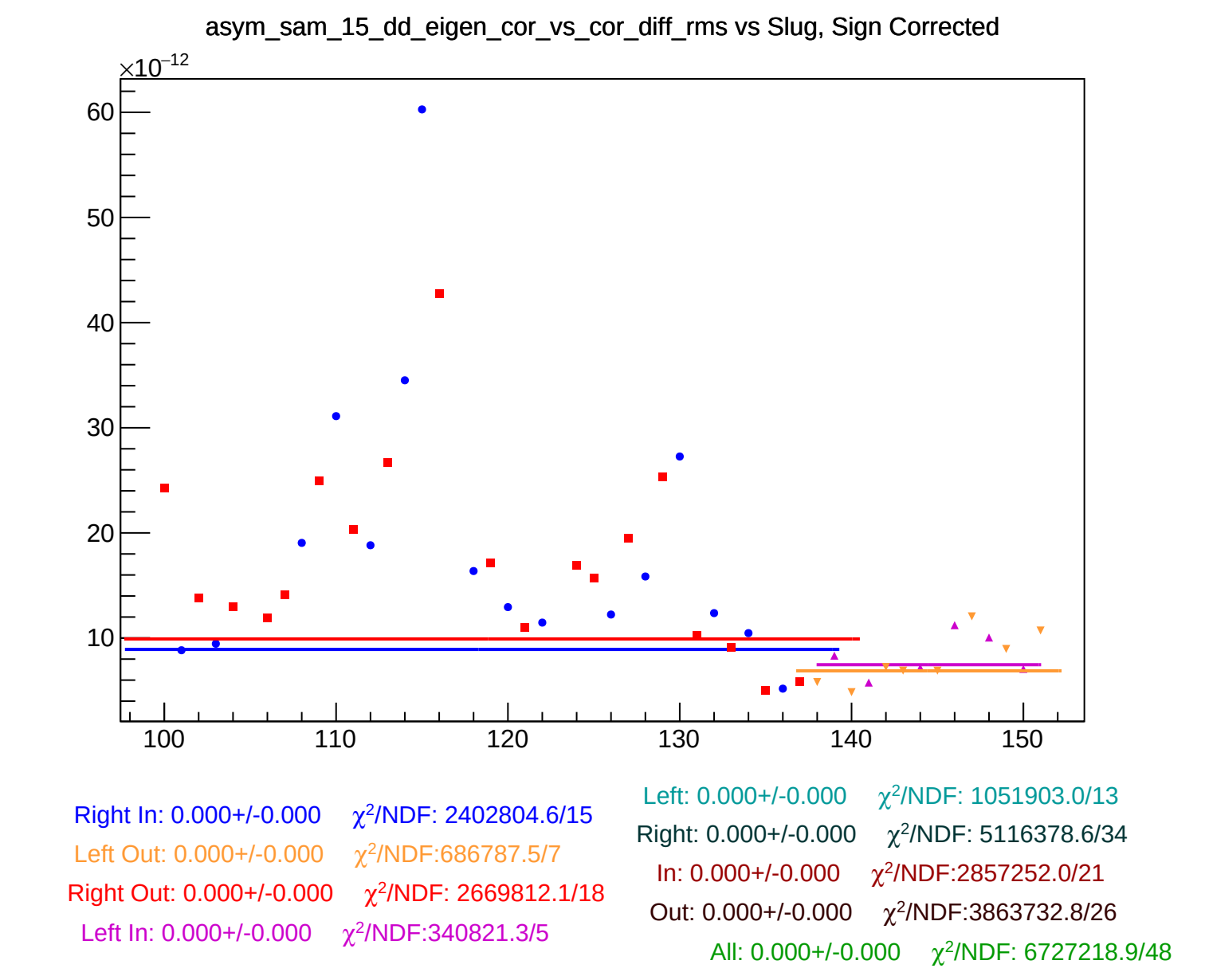
Left: -0.000+/-0.000 χ^2/NDF: 12.0/13

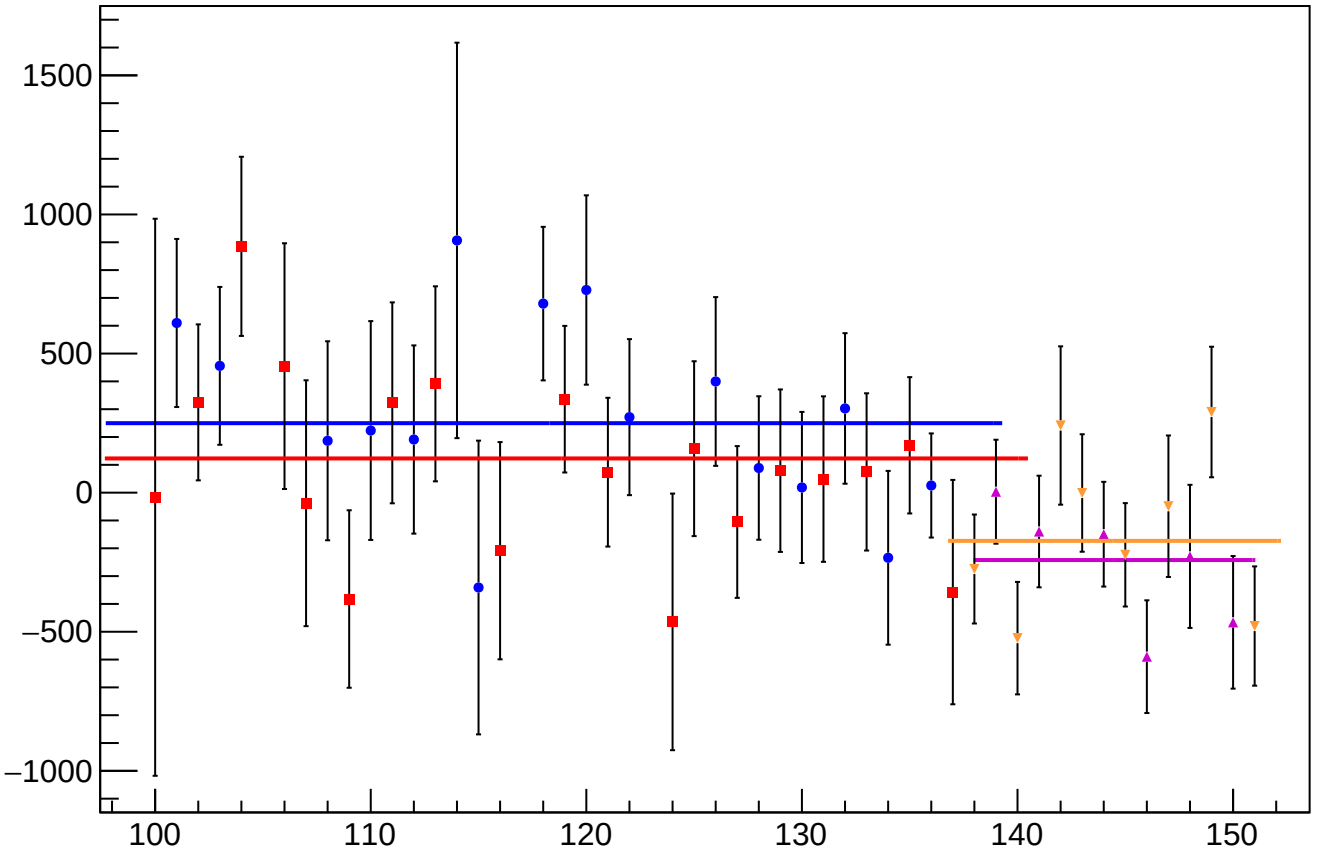
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:14.3/21

Out: 0.000+/-0.000 χ^2/NDF:23.2/26

All: 0.000+/-0.000 χ^2/NDF: 37.5/48


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:686787.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:340821.3/5
Left: 0.000+/-0.000 χ²/NDF: 1051903.0/13
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:2857252.0/21
Out: 0.000+/-0.000 χ²/NDF:3863732.8/26
All: 0.000+/-0.000 χ²/NDF: 6727218.9/48



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -173.248+/-76.774 χ^2/NDF:12.3/7

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -242.266+/-84.878 χ^2/NDF:6.1/5

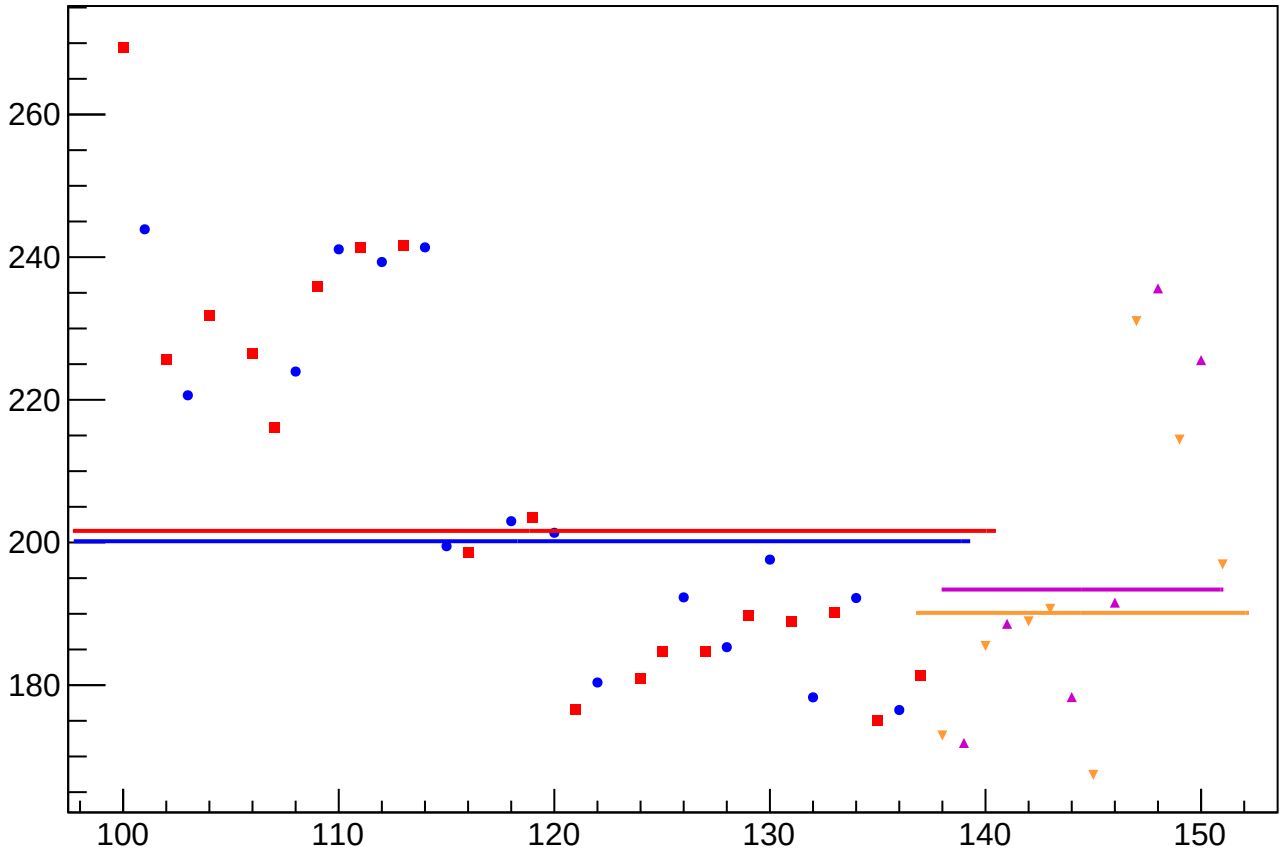
Left: -204.305+/-56.937 χ^2/NDF: 18.7/13

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: 34.428+/-56.151 χ^2/NDF:38.7/21

Out: -20.417+/-53.417 χ^2/NDF:35.5/26

All: 5.638+/-38.702 χ^2/NDF: 74.7/48



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 190.130+/-0.054 χ^2/NDF:121530.0/7

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 193.403+/-0.060 χ^2/NDF:130961.1/5

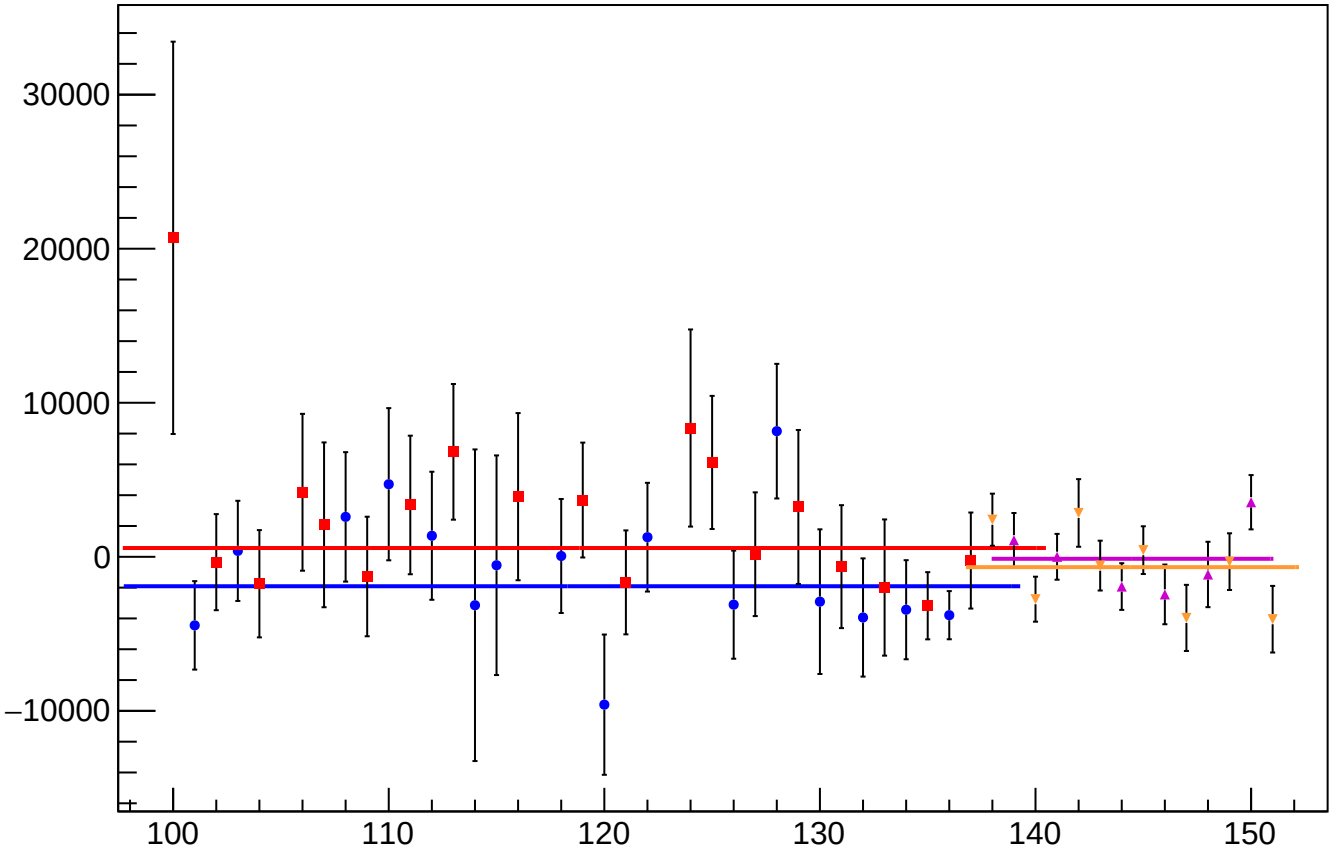
Left: 191.603+/-0.040 χ^2/NDF: 254126.3/13

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 197.212+/-0.040 χ^2/NDF:319126.4/21

Out: 196.061+/-0.038 χ^2/NDF:341913.7/26

All: 196.608+/-0.027 χ^2/NDF: 661480.9/48



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -671.665+/-626.139 χ^2/NDF:13.3/7

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -128.194+/-703.956 χ^2/NDF:7.9/5

Left: -431.617+/-467.850 χ^2/NDF: 21.5/13

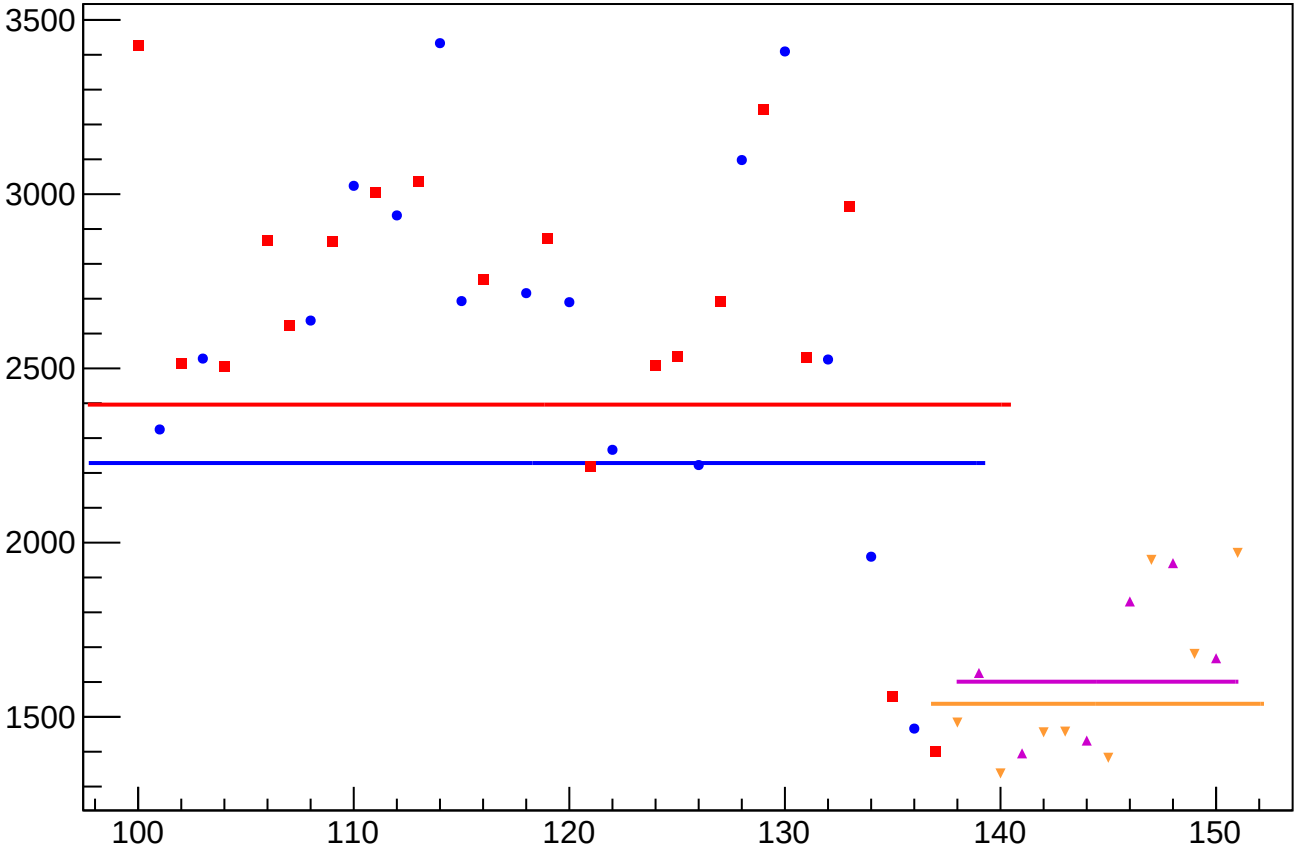
Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -844.119+/-544.501 χ^2/NDF:26.7/21

Out: -266.660+/-514.071 χ^2/NDF:29.2/26

All: -538.803+/-373.798 χ^2/NDF: 56.5/48

asym_sam_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1537.540+/-0.443 χ^2/NDF:233468.4/7

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1600.938+/-0.498 χ^2/NDF:146057.8/5

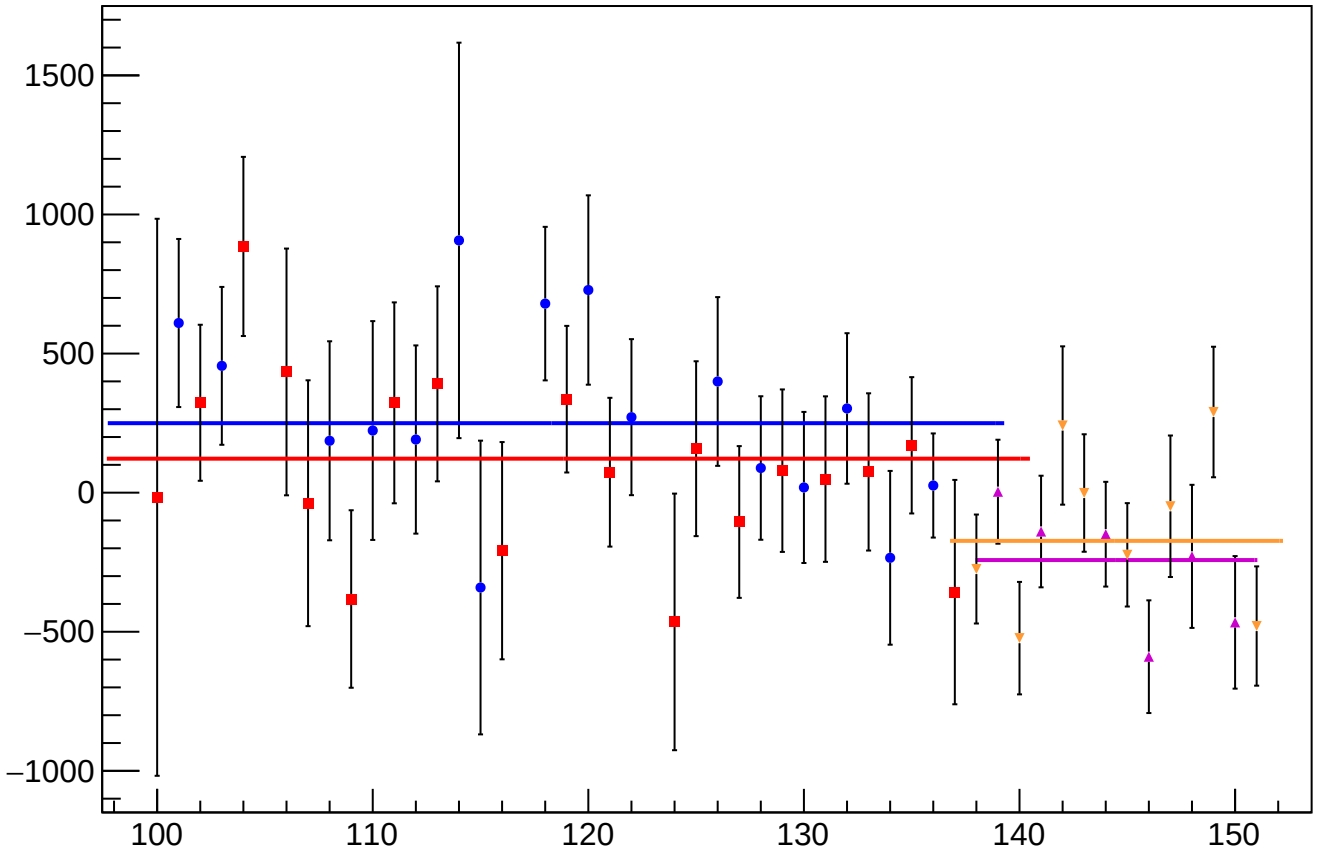
Left: 1565.543+/-0.331 χ^2/NDF: 388582.9/13

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1853.014+/-0.385 χ^2/NDF:1732091.2/21

Out: 1817.364+/-0.364 χ^2/NDF:2258472.2/26

All: 1834.165+/-0.264 χ^2/NDF: 3995096.3/48



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -173.249+/-76.774 χ^2/NDF:12.3/7

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -242.263+/-84.878 χ^2/NDF:6.1/5

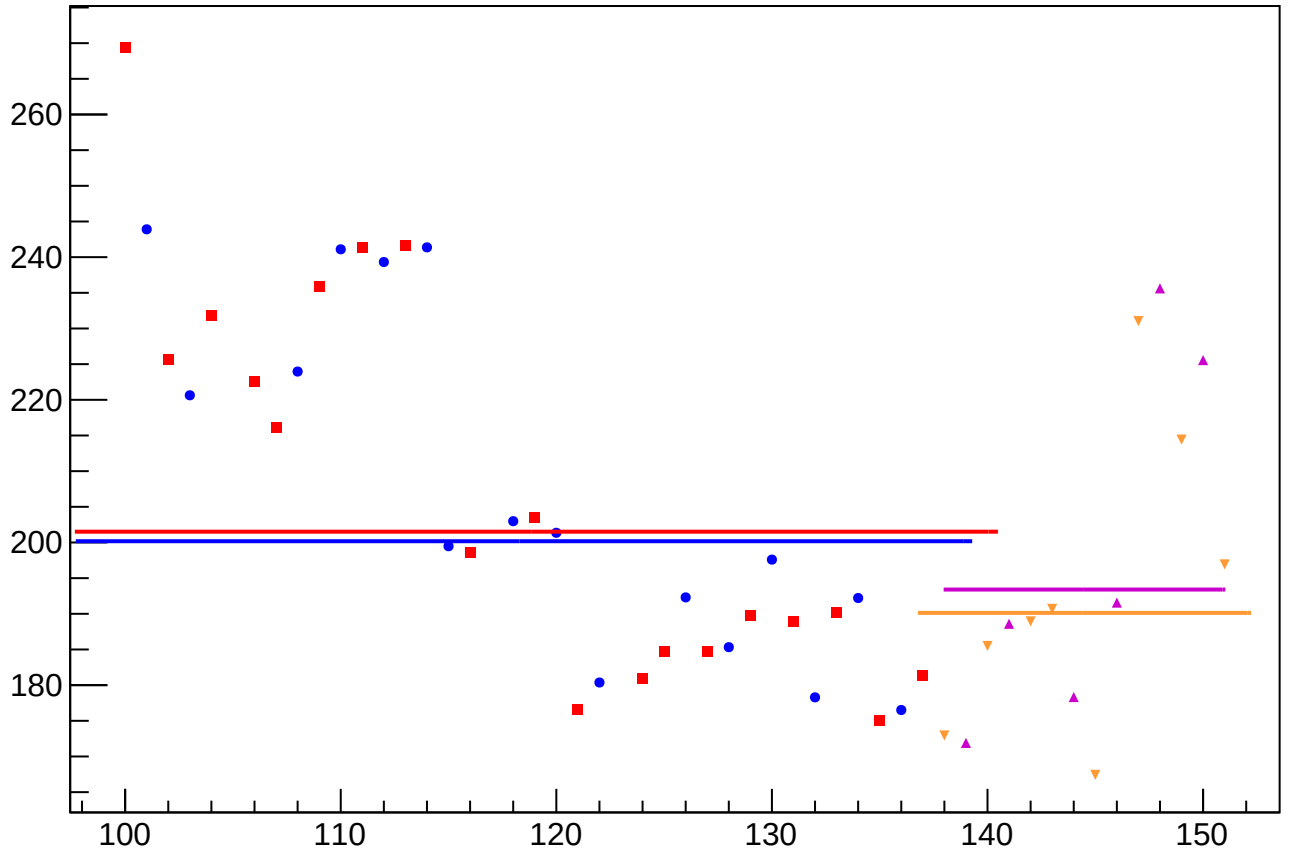
Left: -204.305+/-56.937 χ^2/NDF: 18.7/13

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 34.432+/-56.151 χ^2/NDF:38.7/21

Out: -20.842+/-53.421 χ^2/NDF:35.4/26

All: 5.419+/-38.703 χ^2/NDF: 74.6/48



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 190.130+/-0.054 χ^2/NDF:121530.0/7

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 193.403+/-0.060 χ^2/NDF:130961.1/5

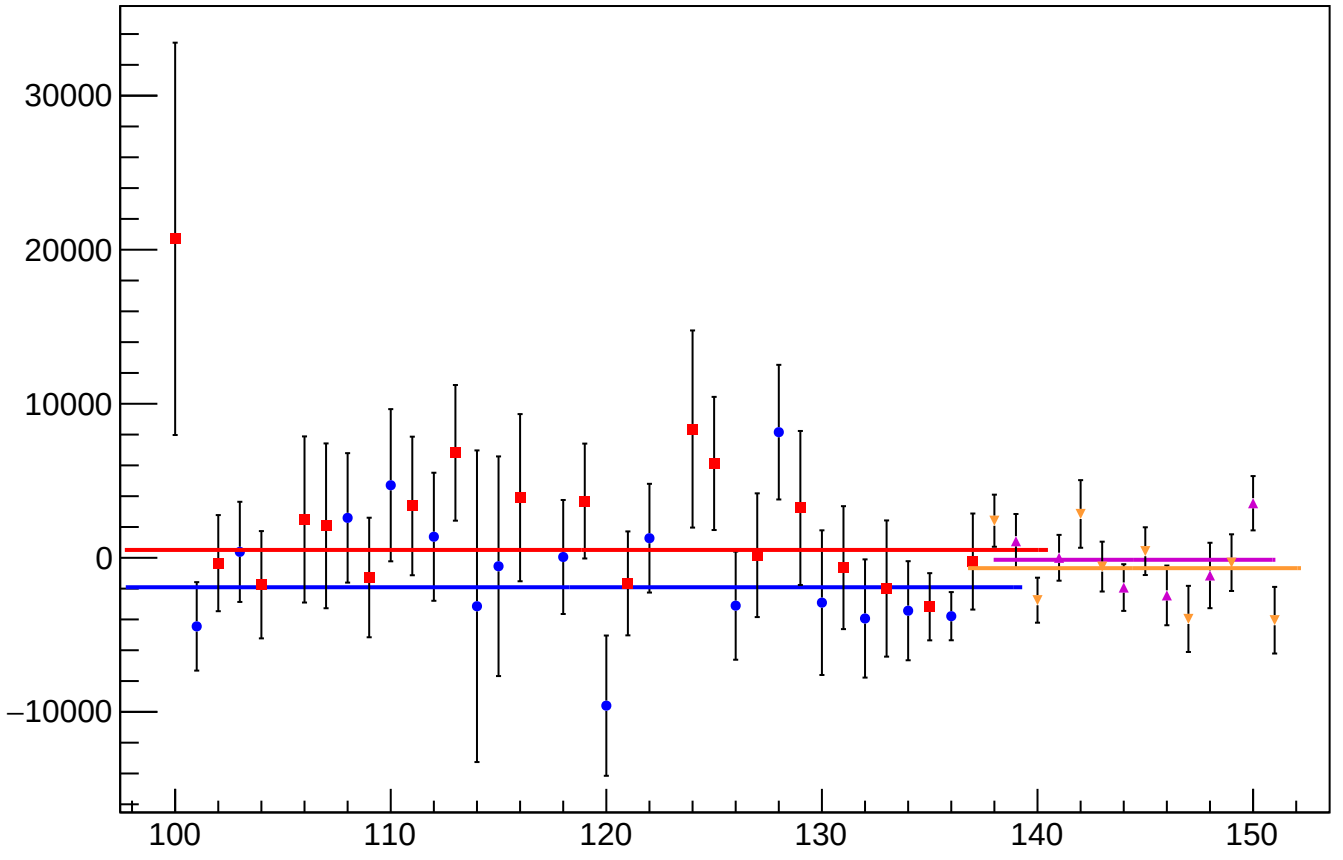
Left: 191.603+/-0.040 χ^2/NDF: 254126.3/13

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 197.212+/-0.040 χ^2/NDF:319126.7/21

Out: 196.003+/-0.038 χ^2/NDF:339644.4/26

All: 196.577+/-0.027 χ^2/NDF: 659258.3/48



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.667+/-626.139 χ^2/NDF:13.3/7

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -128.179+/-703.957 χ^2/NDF:7.9/5

Left: -431.612+/-467.850 χ^2/NDF: 21.5/13

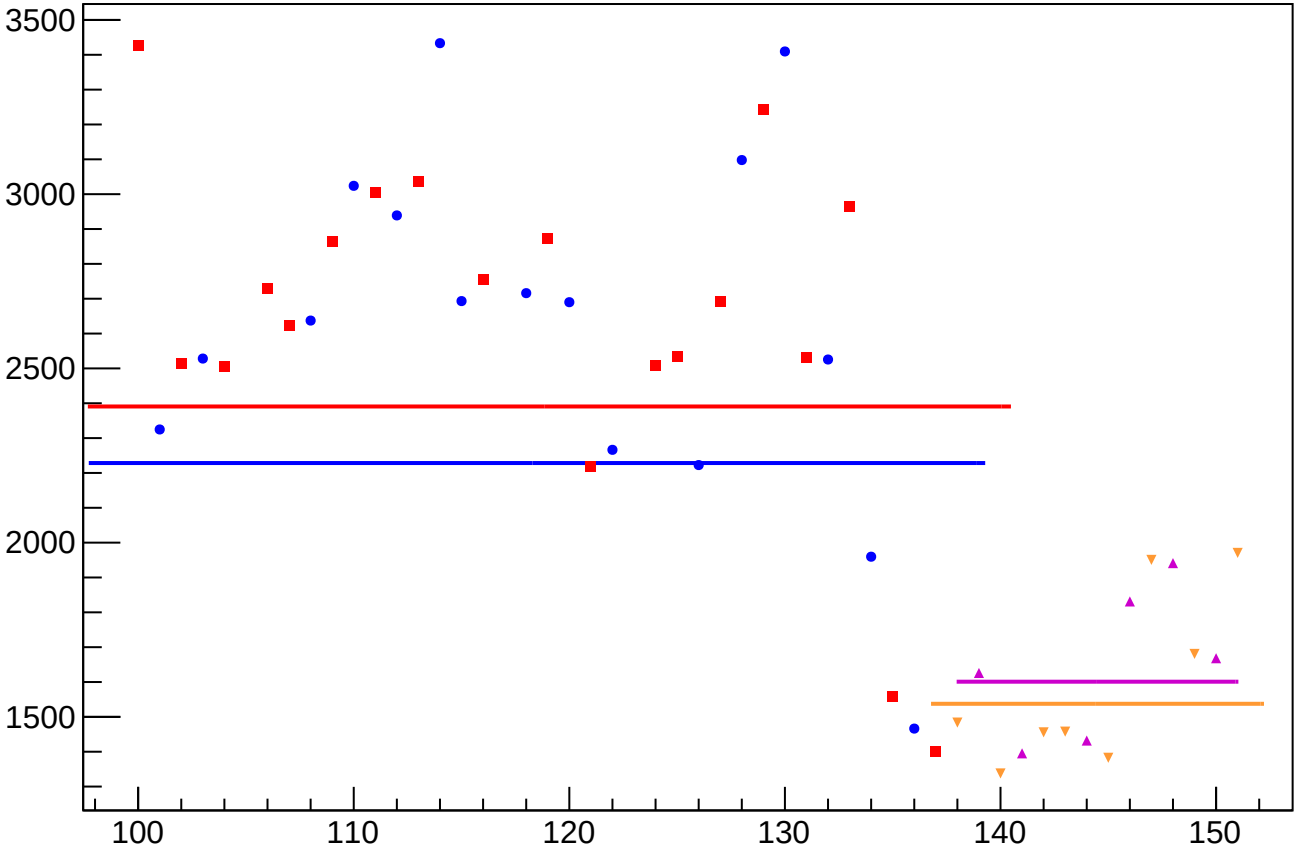
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -844.093+/-544.501 χ^2/NDF:26.7/21

Out: -287.011+/-514.361 χ^2/NDF:28.7/26

All: -549.707+/-373.910 χ^2/NDF: 55.9/48

asym_sam_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1537.539+/-0.443 χ^2/NDF:233468.5/7

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1600.939+/-0.498 χ^2/NDF:146058.5/5

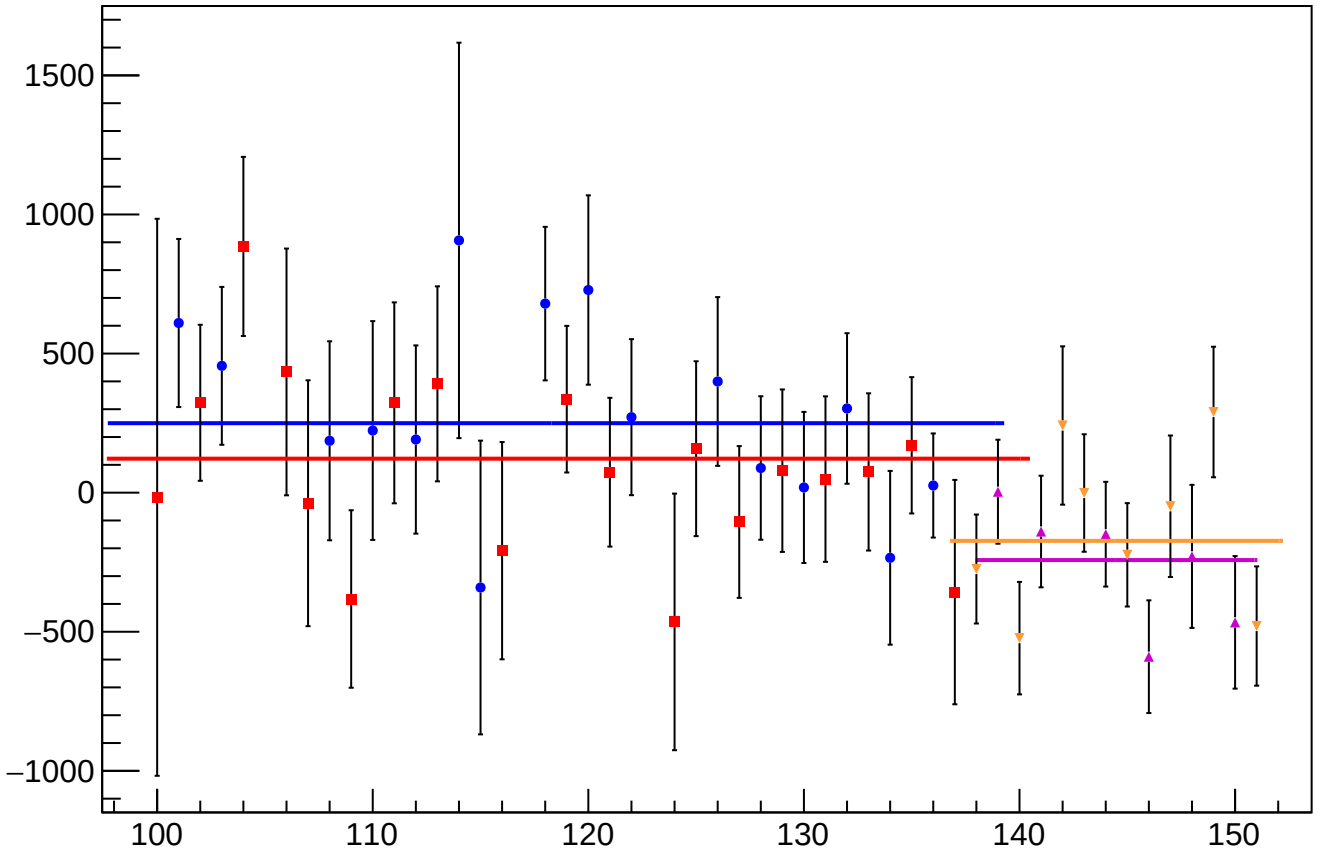
Left: 1565.543+/-0.331 χ^2/NDF: 388583.9/13

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1853.015+/-0.385 χ^2/NDF:1732101.2/21

Out: 1814.971+/-0.364 χ^2/NDF:2230984.2/26

All: 1832.911+/-0.264 χ^2/NDF: 3968244.9/48



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -173.249+/-76.774 χ^2/NDF:12.3/7

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -242.263+/-84.878 χ^2/NDF:6.1/5

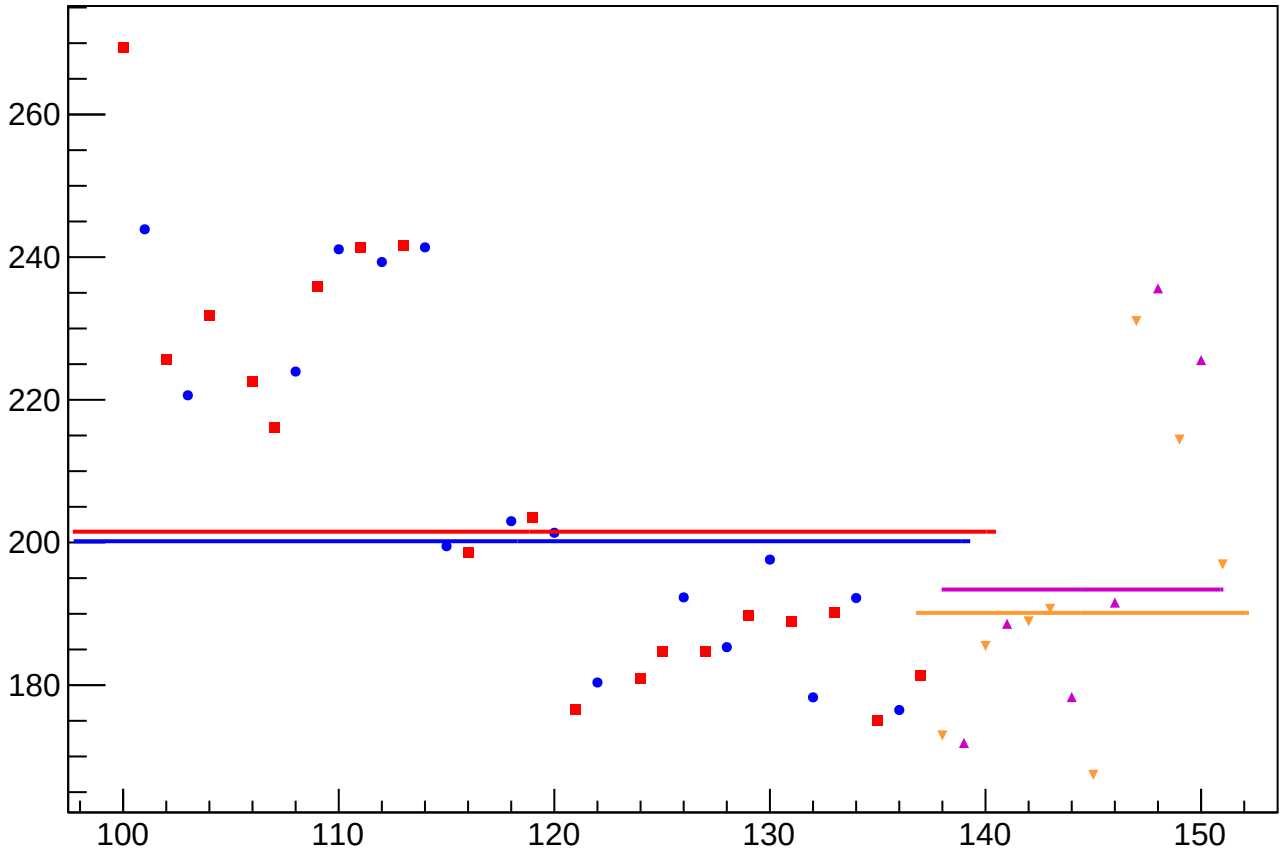
Left: -204.305+/-56.937 χ^2/NDF: 18.7/13

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 34.432+/-56.151 χ^2/NDF:38.7/21

Out: -20.842+/-53.421 χ^2/NDF:35.4/26

All: 5.419+/-38.703 χ^2/NDF: 74.6/48



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 190.130+/-0.054 χ^2/NDF:121530.0/7

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 193.403+/-0.060 χ^2/NDF:130961.1/5

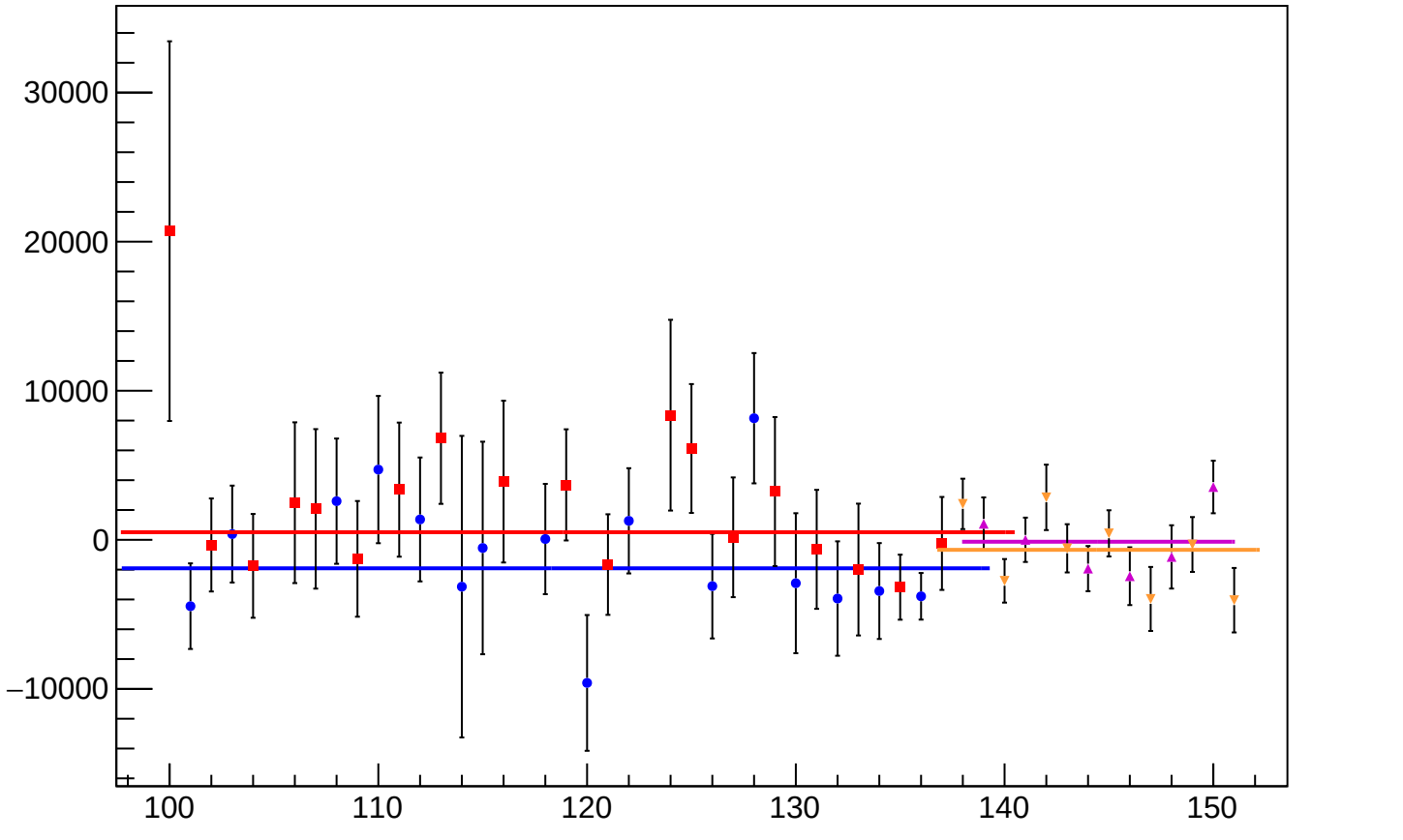
Left: 191.603+/-0.040 χ^2/NDF: 254126.3/13

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 197.212+/-0.040 χ^2/NDF:319126.7/21

Out: 196.003+/-0.038 χ^2/NDF:339644.4/26

All: 196.577+/-0.027 χ^2/NDF: 659258.3/48



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -671.667+/-626.139 χ^2/NDF:13.3/7

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -128.179+/-703.957 χ^2/NDF:7.9/5

Left: -431.612+/-467.850 χ^2/NDF: 21.5/13

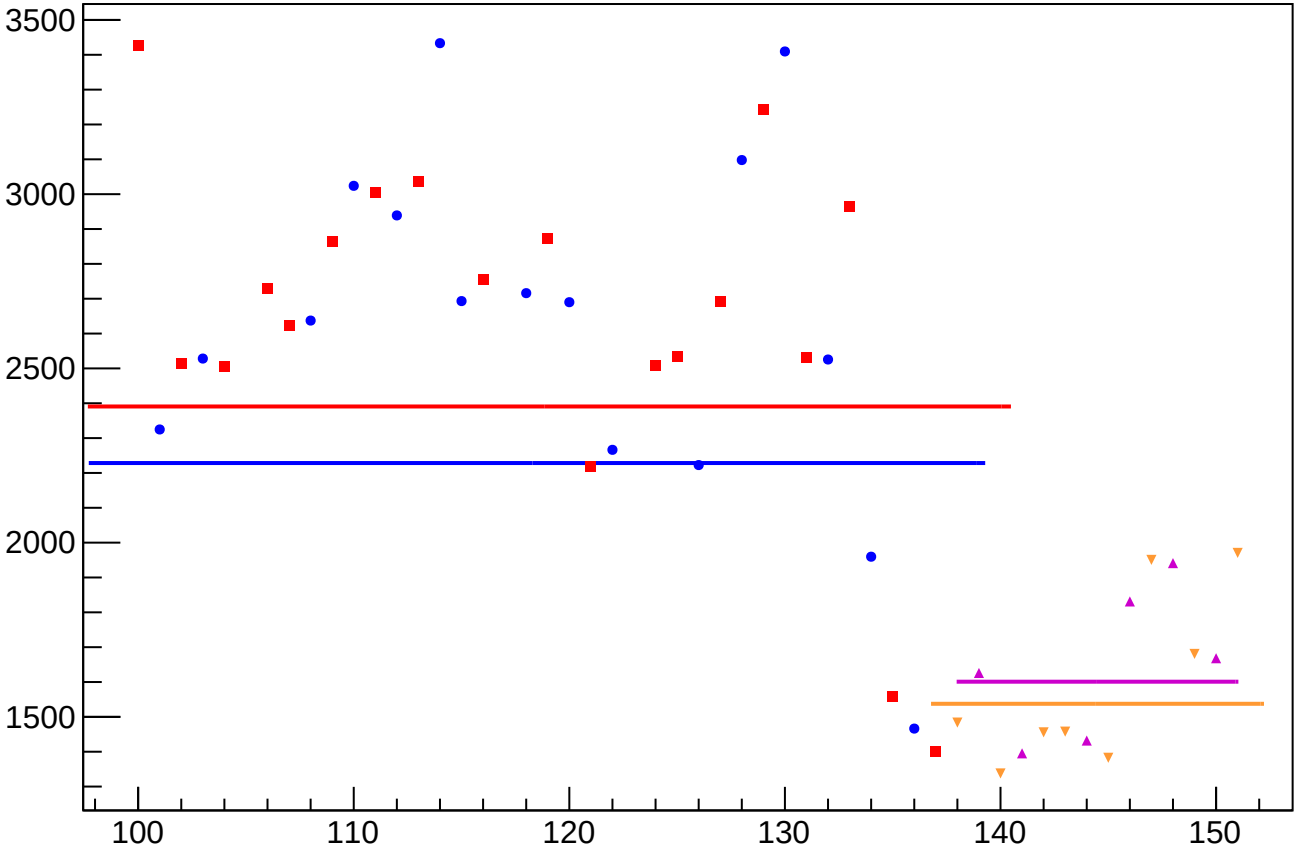
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -844.093+/-544.501 χ^2/NDF:26.7/21

Out: -287.011+/-514.361 χ^2/NDF:28.7/26

All: -549.707+/-373.910 χ^2/NDF: 55.9/48

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1537.539+/-0.443 χ^2/NDF:233468.5/7

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1600.939+/-0.498 χ^2/NDF:146058.5/5

Left: 1565.543+/-0.331 χ^2/NDF: 388583.9/13

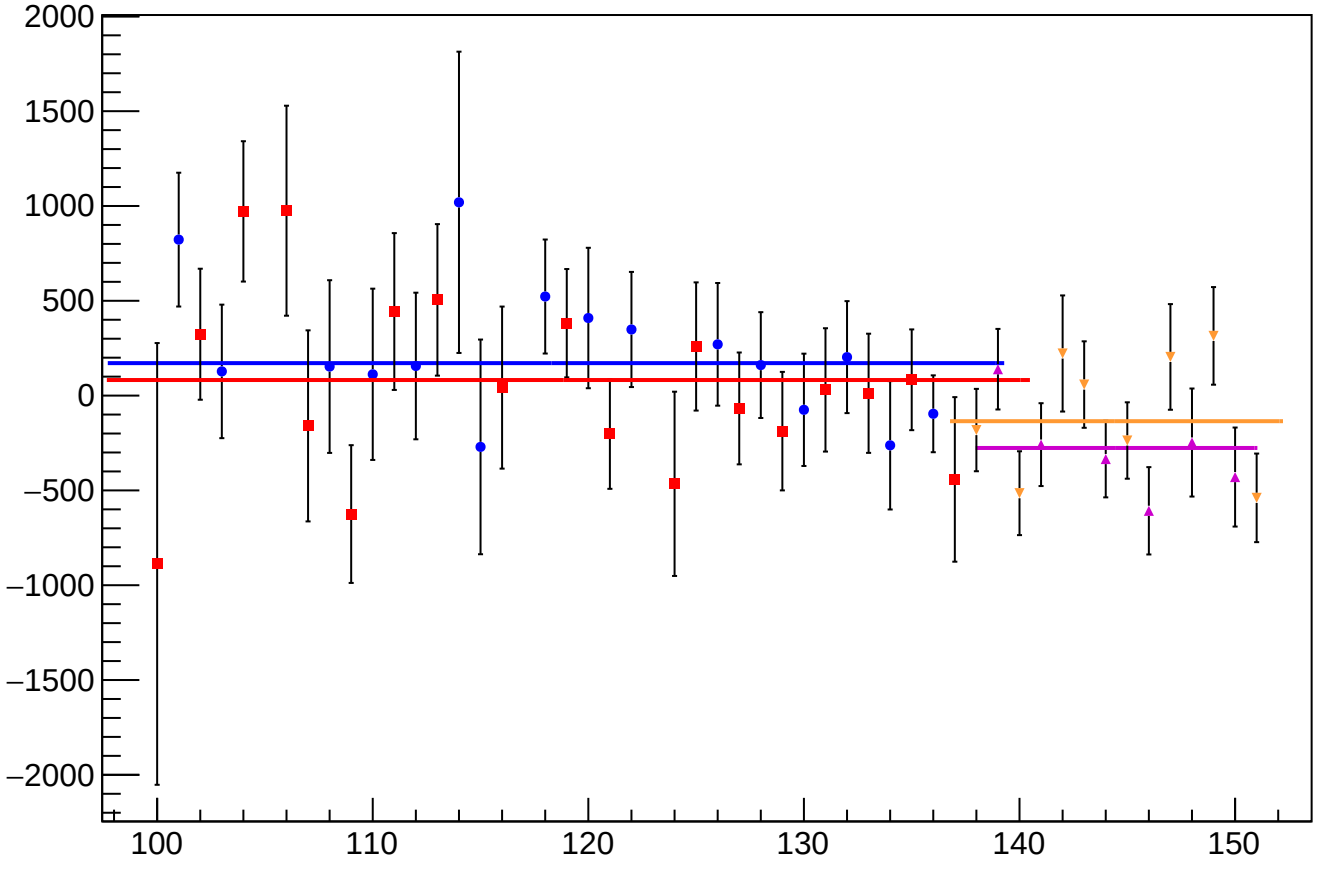
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1853.015+/-0.385 χ^2/NDF:1732101.2/21

Out: 1814.971+/-0.364 χ^2/NDF:2230984.2/26

All: 1832.911+/-0.264 χ^2/NDF: 3968244.9/48

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -134.980+/-83.779 χ^2/NDF:12.9/7

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -276.183+/-93.904 χ^2/NDF:6.3/5

Left: -197.562+/-62.515 χ^2/NDF: 20.5/13

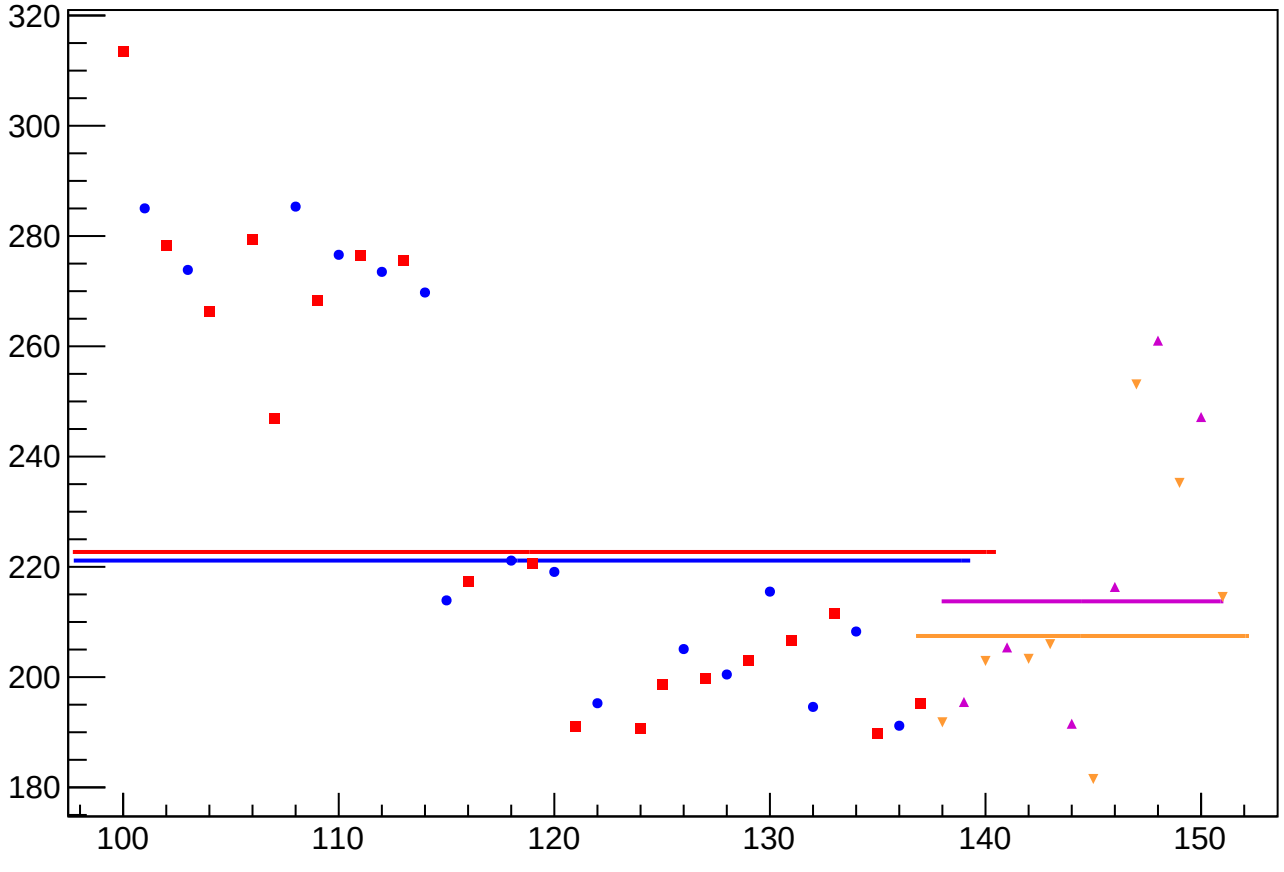
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -25.294+/-62.238 χ^2/NDF:30.6/21

Out: -24.803+/-58.800 χ^2/NDF:37.9/26

All: -25.034+/-42.742 χ^2/NDF: 68.4/48

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 207.460+/-0.059 χ^2/NDF:123558.5/7

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 213.743+/-0.066 χ^2/NDF:129929.1/5

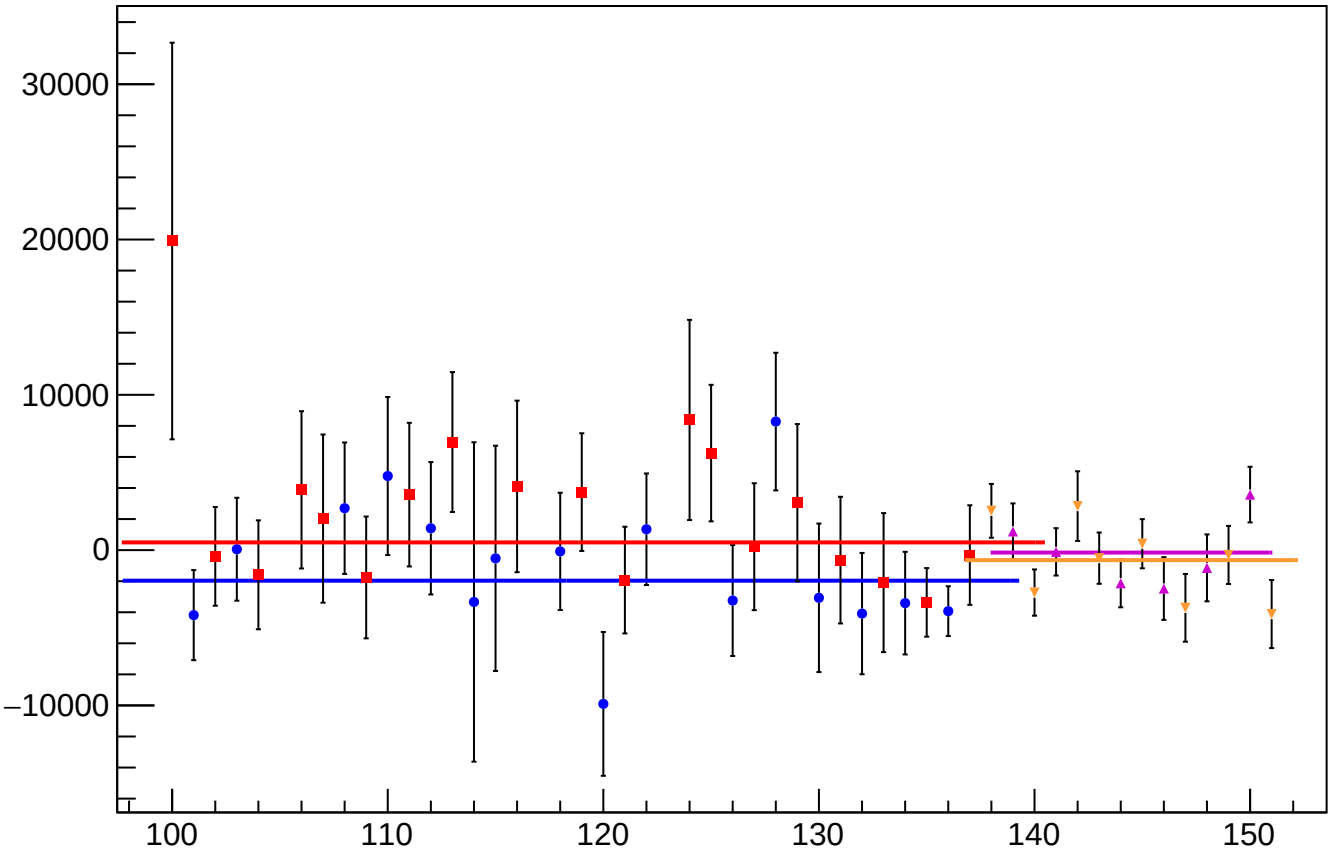
Left: 210.245+/-0.044 χ^2/NDF: 258473.3/13

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.890+/-0.044 χ^2/NDF:455587.0/21

Out: 215.192+/-0.042 χ^2/NDF:484159.2/26

All: 216.465+/-0.030 χ^2/NDF: 941732.8/48



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -643.299+/-638.405 χ^2/NDF:12.7/7

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: -156.771+/-720.228 χ^2/NDF:8.1/5

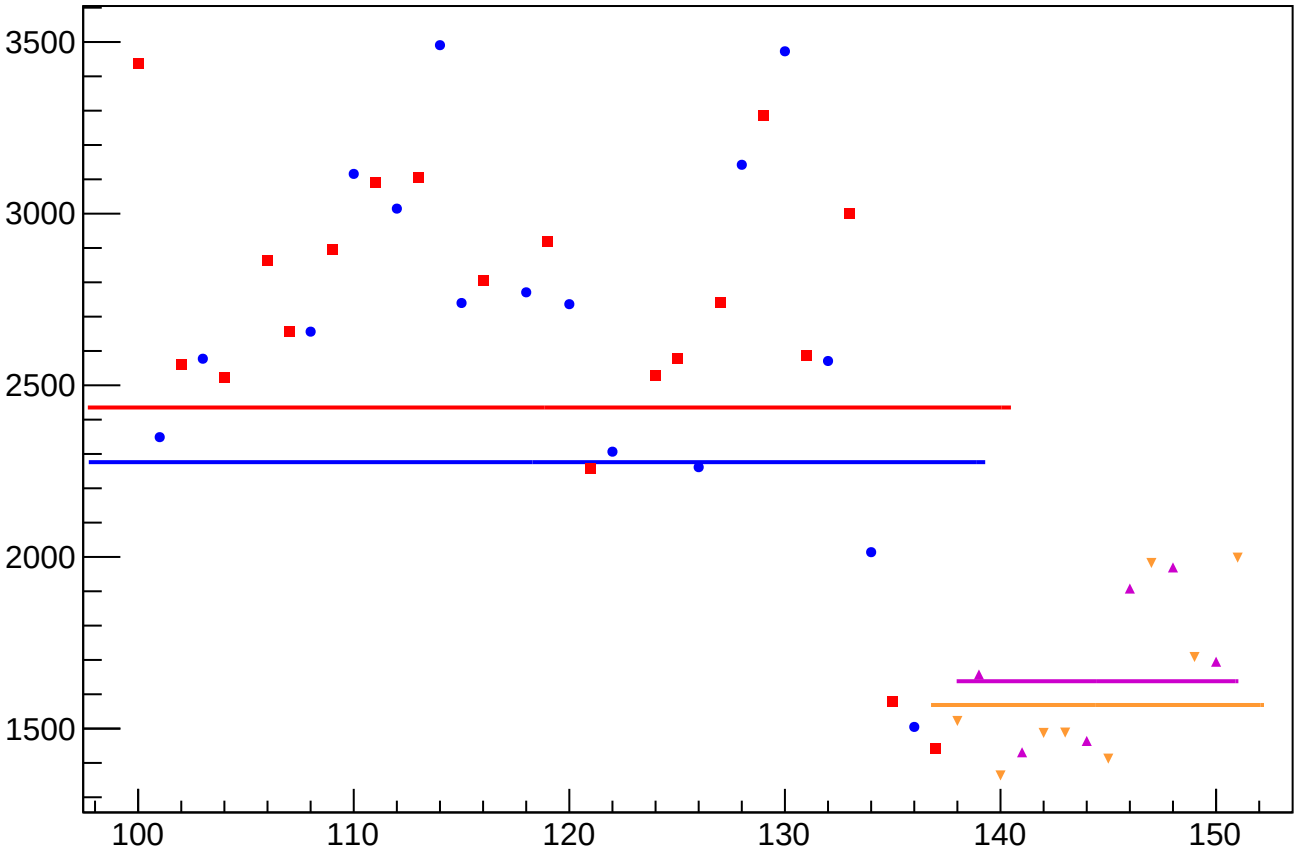
Left: -429.230+/-477.742 χ^2/NDF: 21.0/13

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -886.457+/-556.490 χ^2/NDF:26.8/21

Out: -269.724+/-523.519 χ^2/NDF:28.5/26

All: -559.280+/-381.308 χ^2/NDF: 55.9/48



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1568.765+/-0.451 χ^2/NDF:226162.4/7

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1637.983+/-0.509 χ^2/NDF:147471.4/5

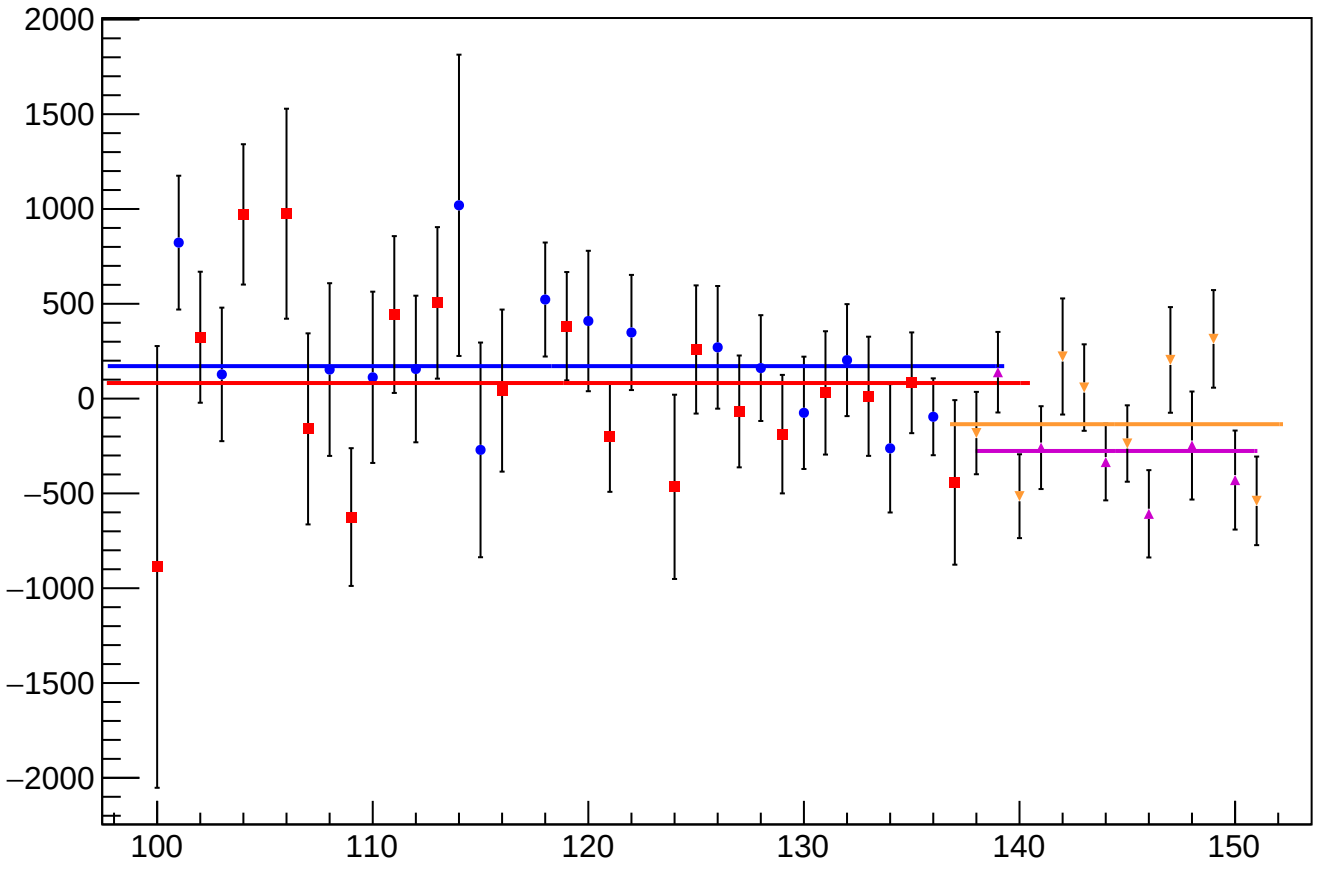
Left: 1599.221+/-0.338 χ^2/NDF: 383978.5/13

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1895.157+/-0.393 χ^2/NDF:1707216.1/21

Out: 1852.600+/-0.370 χ^2/NDF:2224700.0/26

All: 1872.581+/-0.270 χ^2/NDF: 3938121.0/48



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -134.983+/-83.779 χ^2/NDF:12.9/7

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -276.184+/-93.904 χ^2/NDF:6.3/5

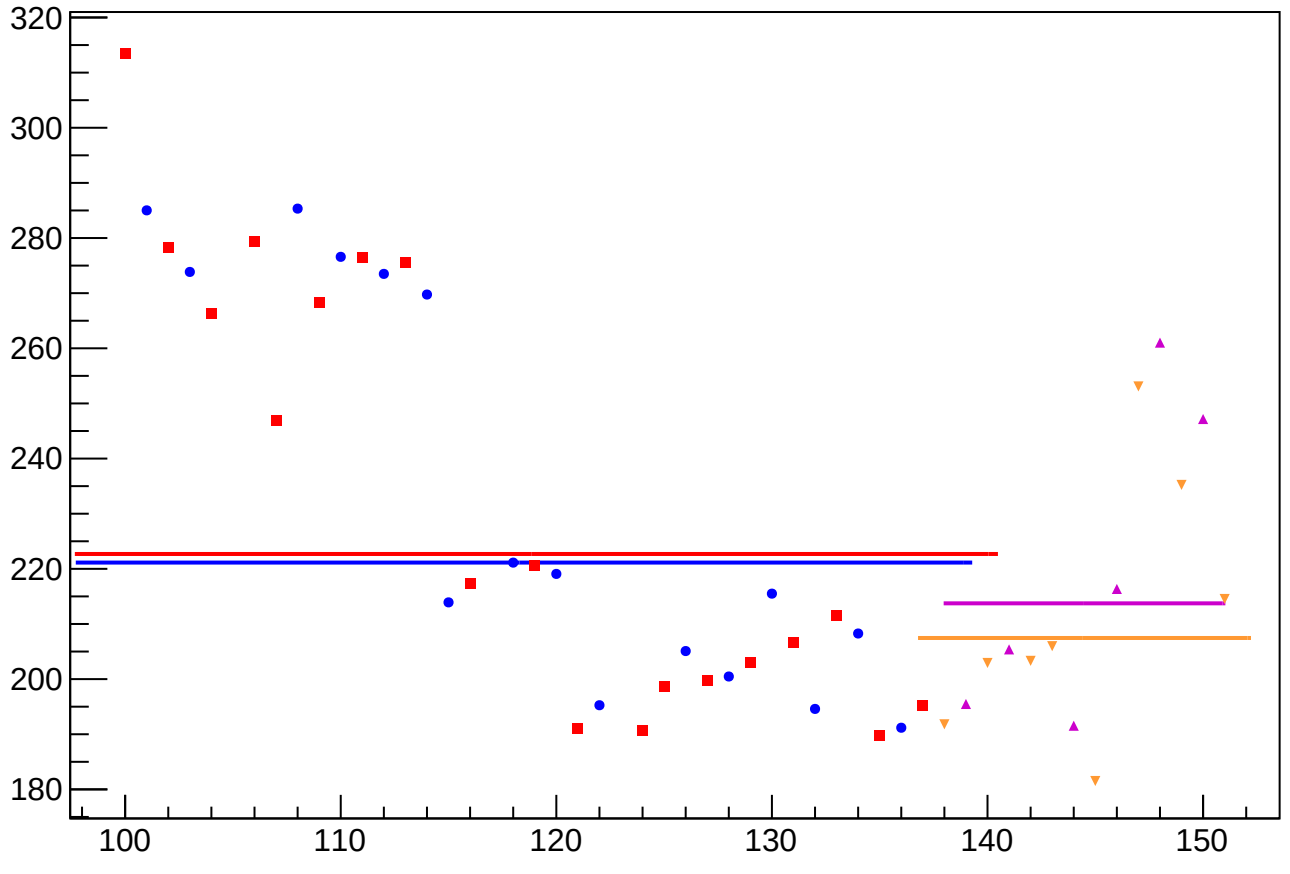
Left: -197.564+/-62.515 χ^2/NDF: 20.5/13

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -25.292+/-62.238 χ^2/NDF:30.6/21

Out: -24.805+/-58.800 χ^2/NDF:37.9/26

All: -25.035+/-42.741 χ^2/NDF: 68.4/48



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 207.460+/-0.059 χ^2/NDF:123561.4/7

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 213.743+/-0.066 χ^2/NDF:129930.5/5

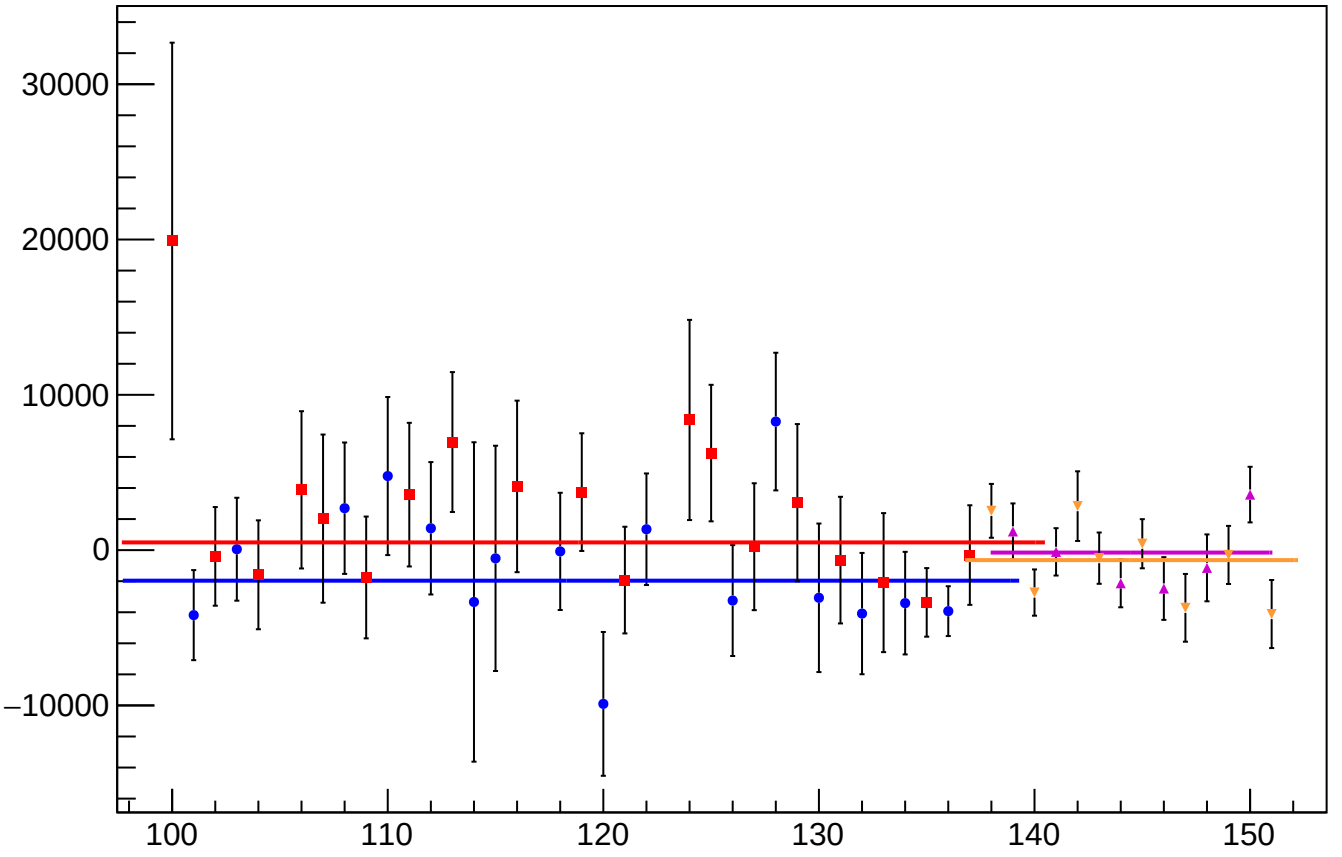
Left: 210.245+/-0.044 χ^2/NDF: 258477.5/13

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 217.890+/-0.044 χ^2/NDF:455581.7/21

Out: 215.191+/-0.042 χ^2/NDF:484152.2/26

All: 216.464+/-0.030 χ^2/NDF: 941720.1/48



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -643.301+/-638.405 χ^2/NDF:12.7/7

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -156.771+/-720.227 χ^2/NDF:8.1/5

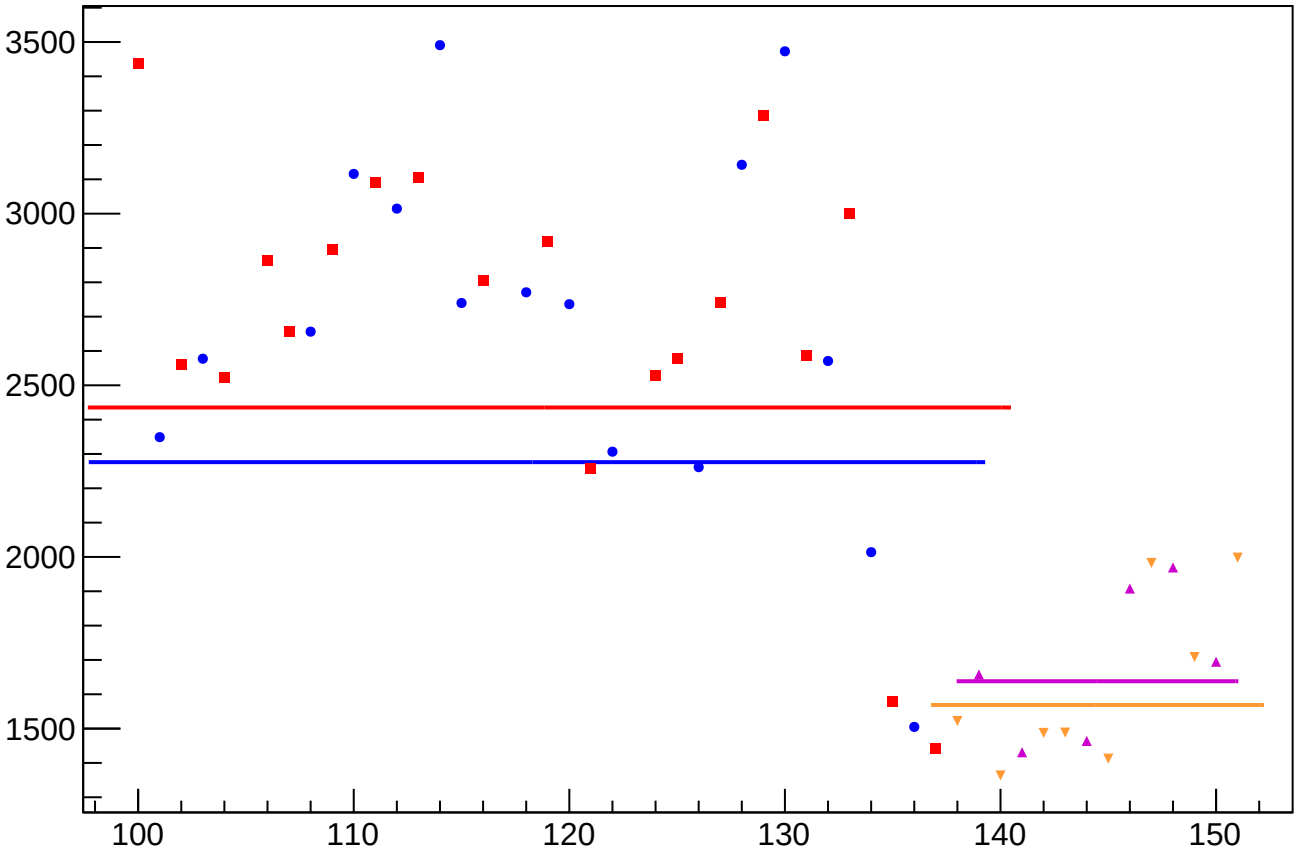
Left: -429.231+/-477.741 χ^2/NDF: 21.0/13

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -886.455+/-556.490 χ^2/NDF:26.8/21

Out: -269.724+/-523.519 χ^2/NDF:28.5/26

All: -559.279+/-381.307 χ^2/NDF: 55.9/48



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1568.764+/-0.451 χ^2/NDF:226163.7/7

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1637.982+/-0.509 χ^2/NDF:147470.9/5

Left: 1599.219+/-0.338 χ^2/NDF: 383979.3/13

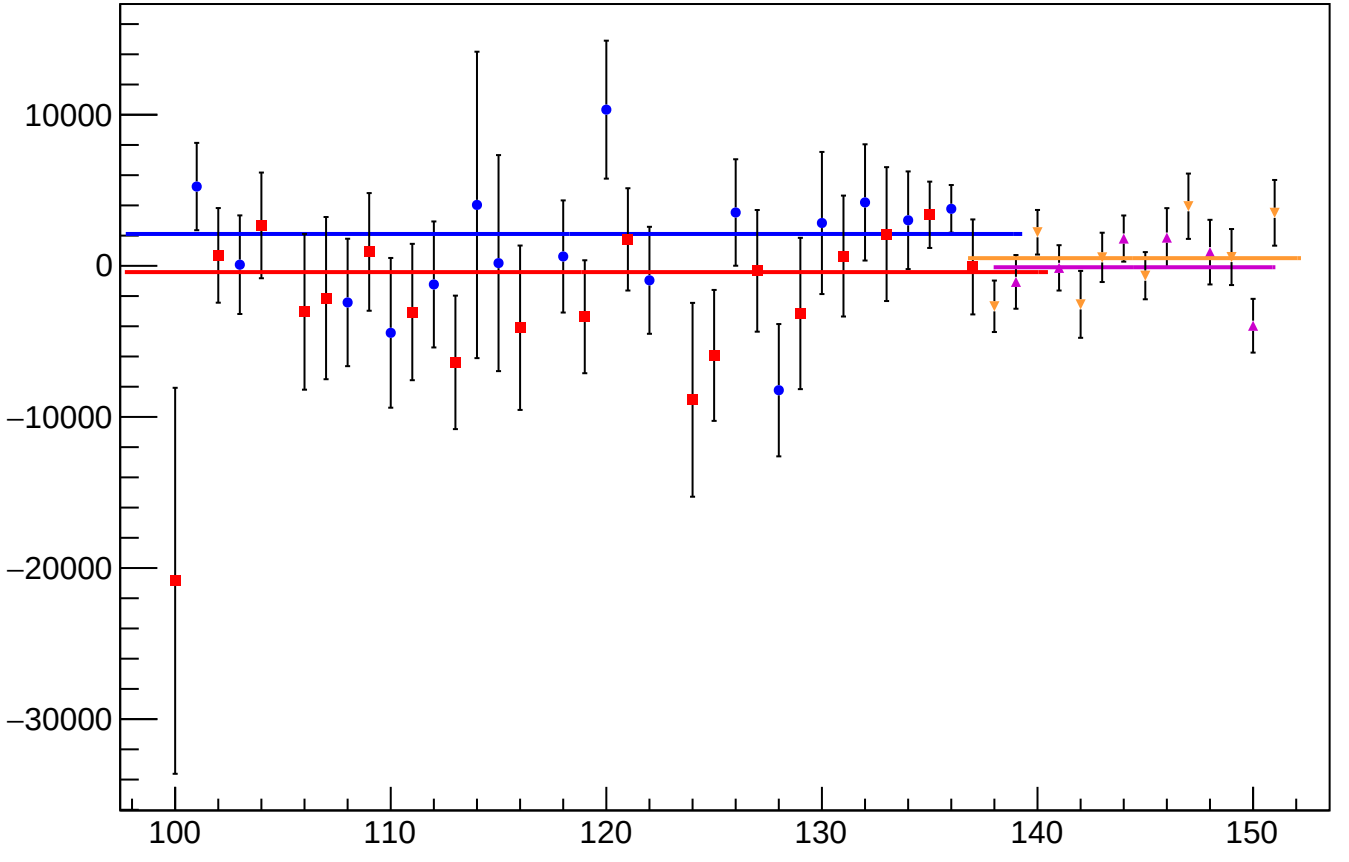
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1895.155+/-0.393 χ^2/NDF:1707204.4/21

Out: 1852.598+/-0.370 χ^2/NDF:2224692.6/26

All: 1872.579+/-0.270 χ^2/NDF: 3938102.1/48

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 508.785+/-631.126 χ^2/NDF:11.7/7

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -92.694+/-709.377 χ^2/NDF:7.8/5

Left: 243.037+/-471.522 χ^2/NDF: 20.0/13

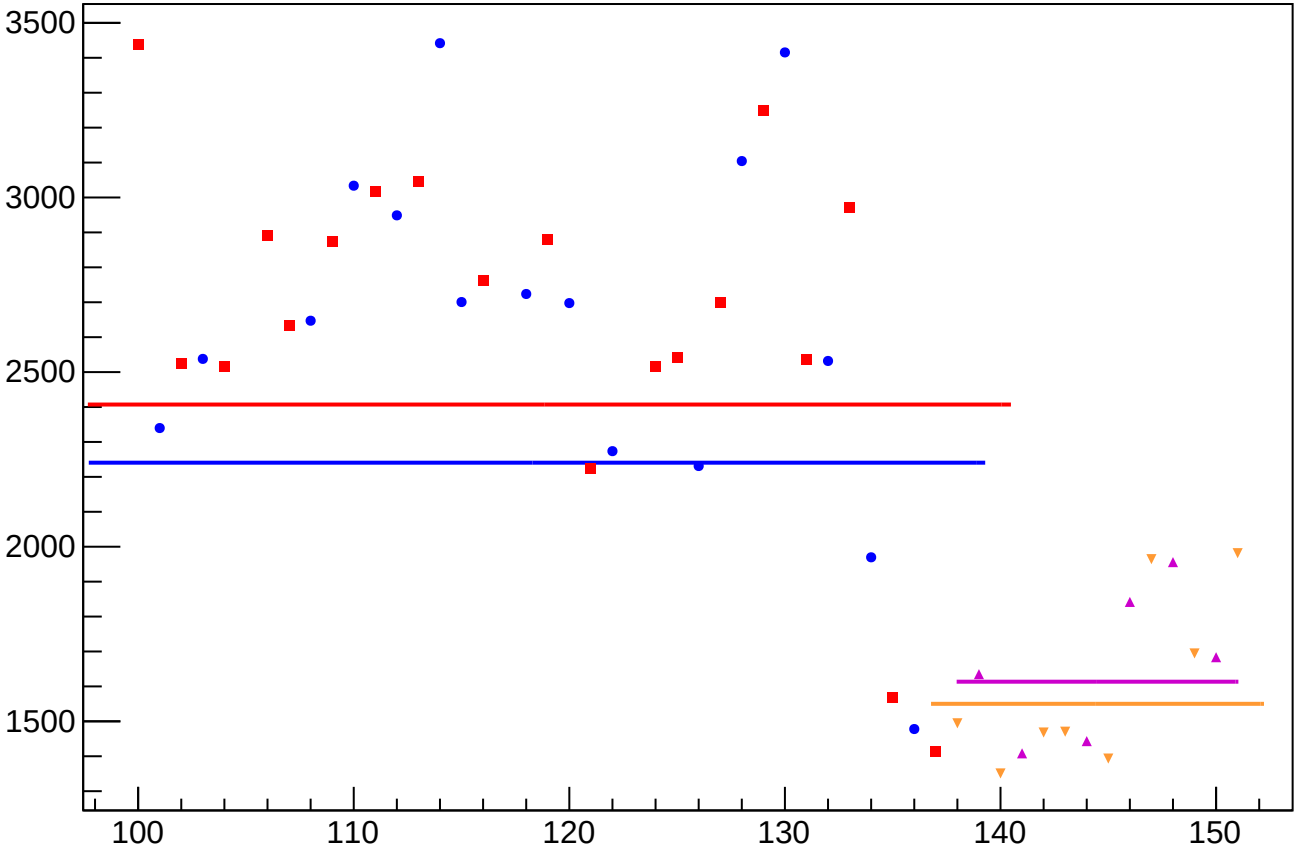
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 794.937+/-548.078 χ^2/NDF:28.3/21

Out: 206.552+/-517.566 χ^2/NDF:27.1/26

All: 483.912+/-376.299 χ^2/NDF: 56.0/48

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1550.136+/-0.446 χ^2/NDF:230633.3/7

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1613.490+/-0.502 χ^2/NDF:144348.0/5

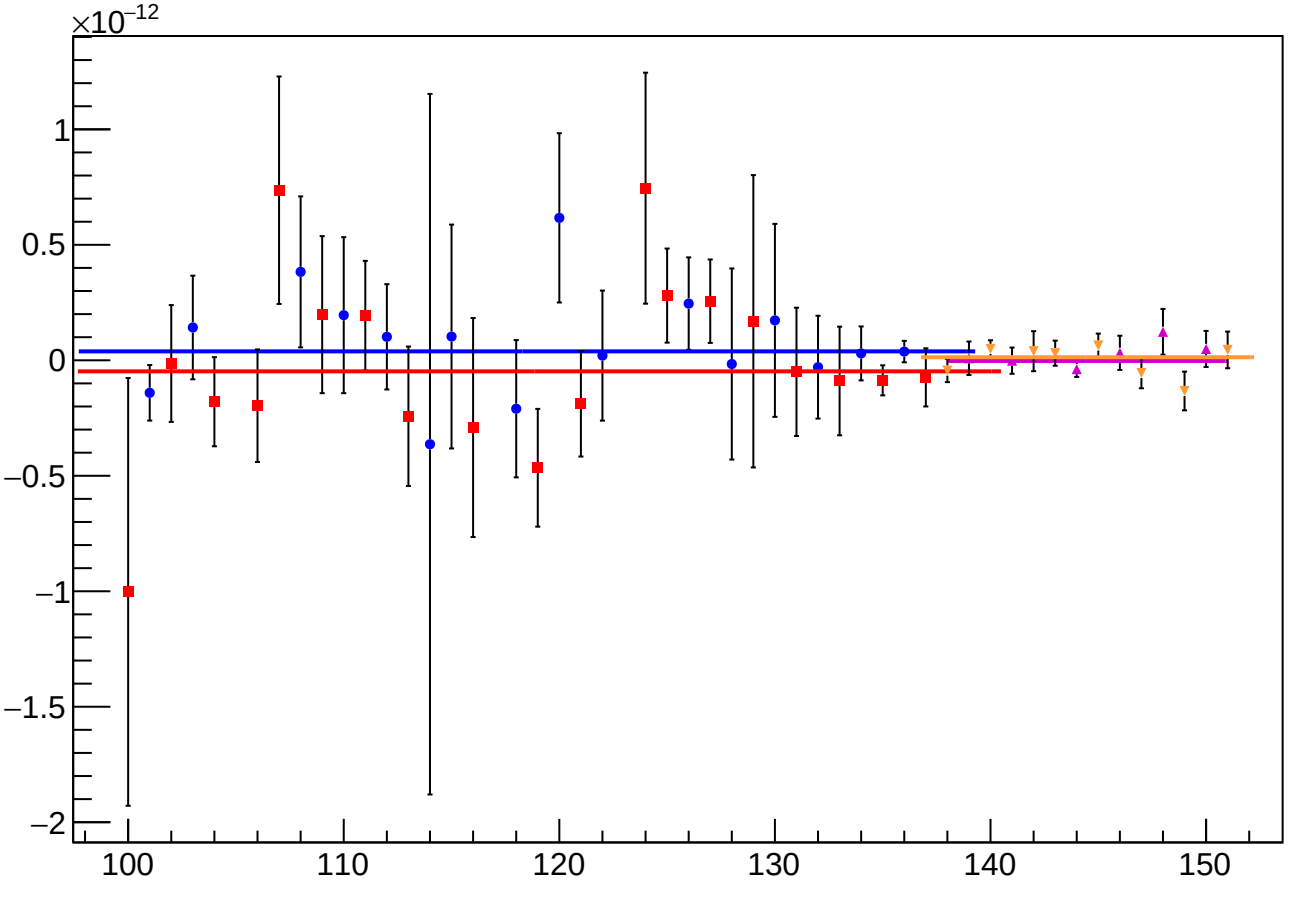
Left: 1578.127+/-0.333 χ^2/NDF: 383885.6/13

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1866.264+/-0.388 χ^2/NDF:1707980.8/21

Out: 1830.790+/-0.366 χ^2/NDF:2227269.3/26

All: 1847.512+/-0.266 χ^2/NDF: 3939678.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/5

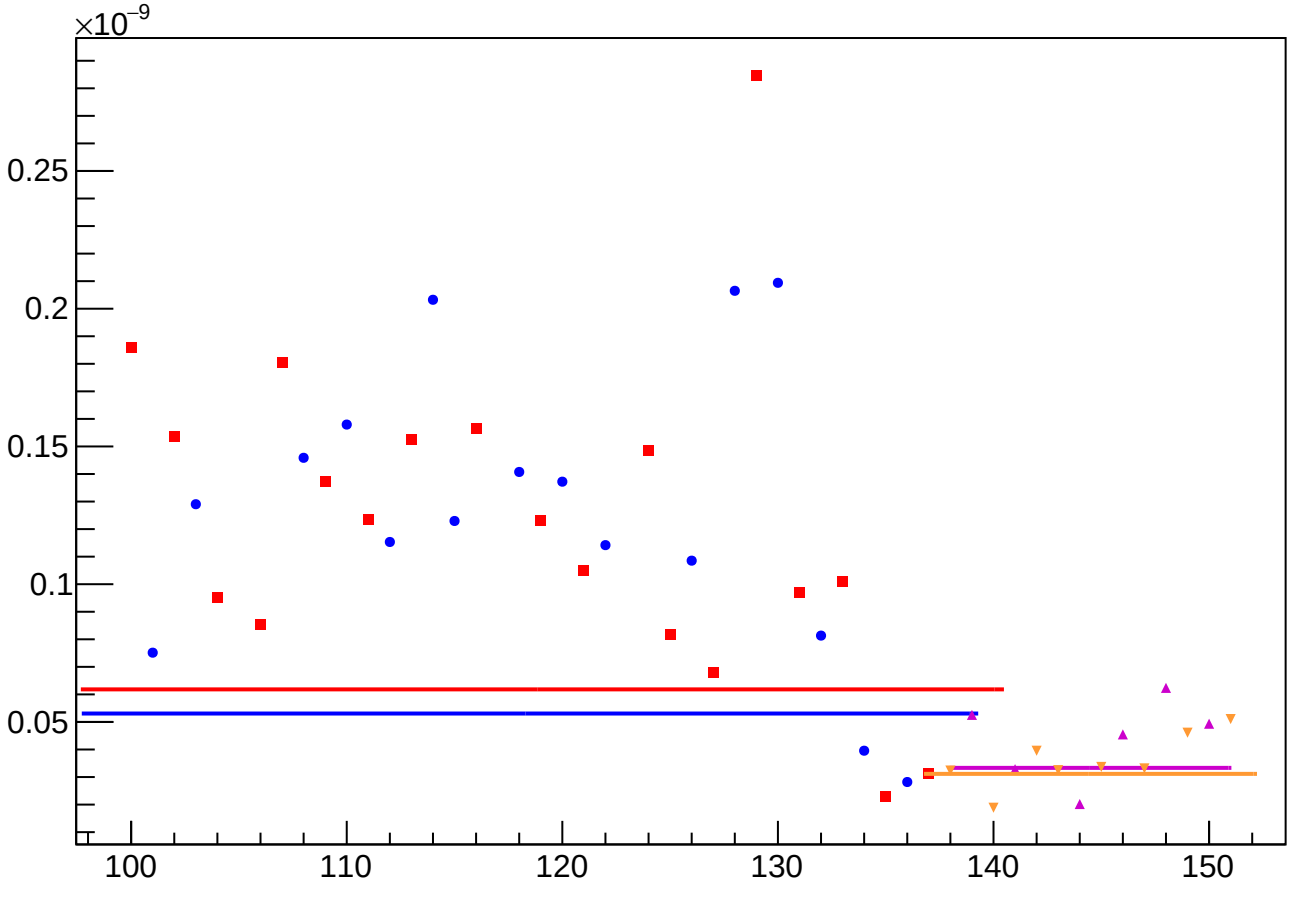
Left: 0.000+/-0.000 χ^2/NDF: 11.4/13

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:12.7/21

Out: 0.000+/-0.000 χ^2/NDF:27.6/26

All: 0.000+/-0.000 χ^2/NDF: 40.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:432496.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:749146.0/5

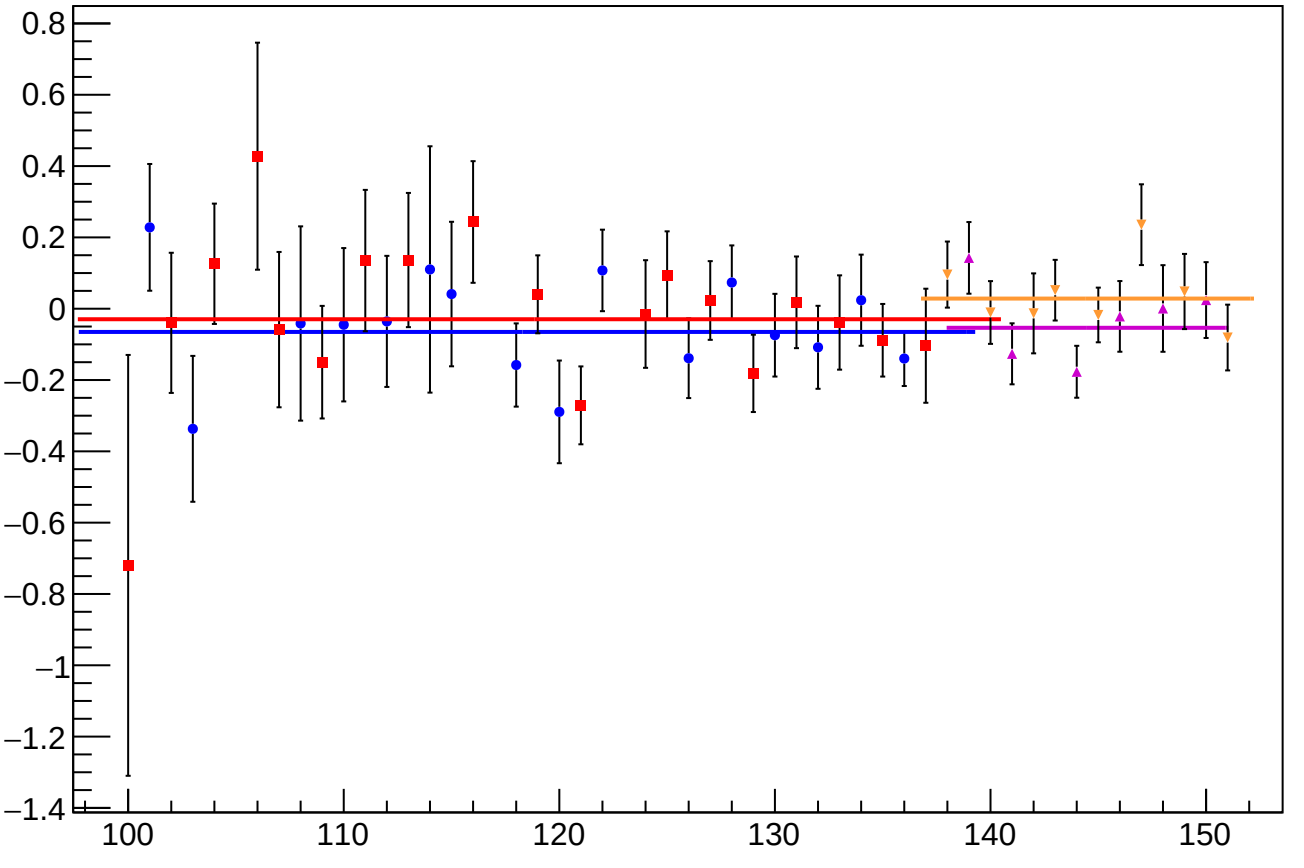
Left: 0.000+/-0.000 χ^2/NDF: 1191605.7/13

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3740998.1/21

Out: 0.000+/-0.000 χ^2/NDF:3673767.4/26

All: 0.000+/-0.000 χ^2/NDF: 7433441.0/48



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.054+/-0.038 χ^2/NDF:8.2/5

Left: -0.006+/-0.025 χ^2/NDF: 17.0/13

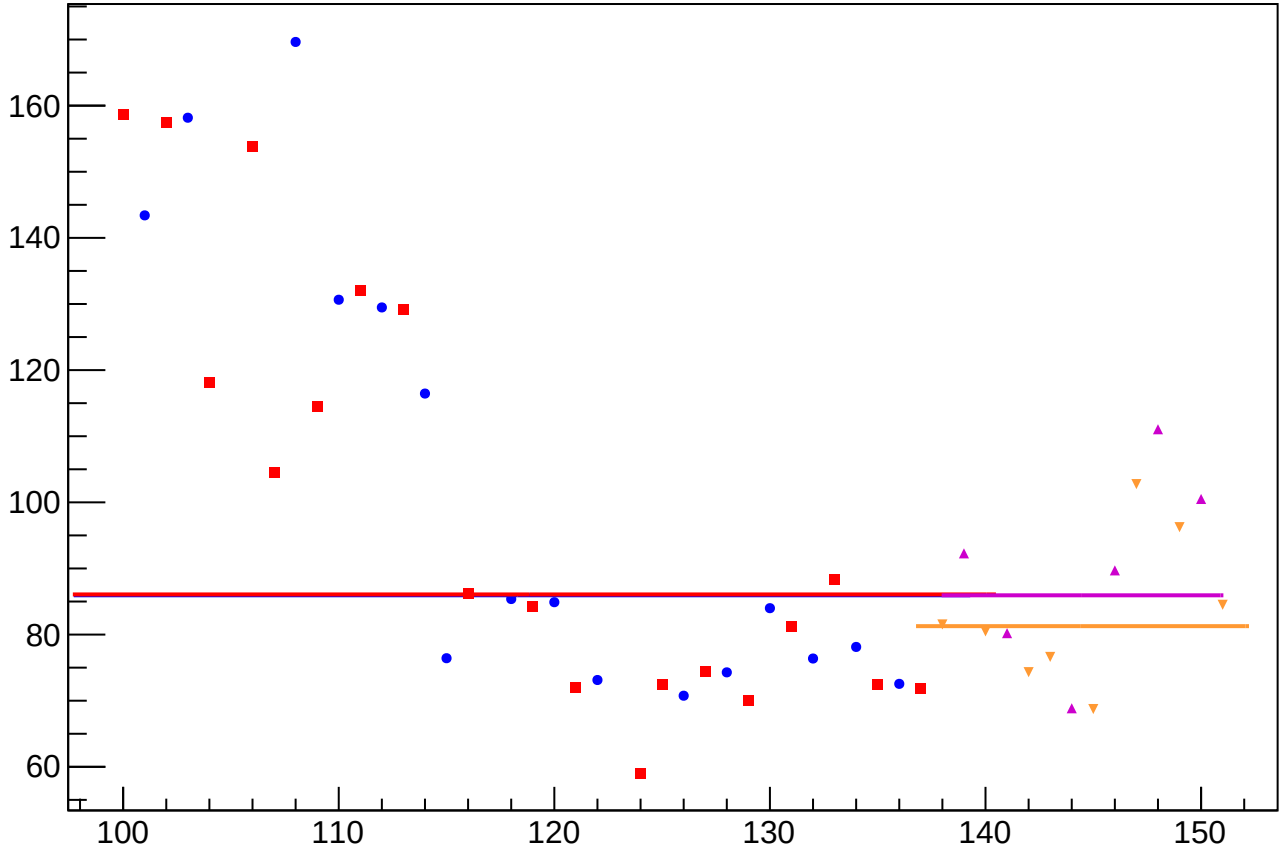
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.060+/-0.025 χ^2/NDF:22.5/21

Out: -0.001+/-0.023 χ^2/NDF:25.7/26

All: -0.028+/-0.017 χ^2/NDF: 51.2/48

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.276+/-0.023 χ^2/NDF:182044.0/7

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.940+/-0.027 χ^2/NDF:253035.0/5

Left: 83.263+/-0.018 χ^2/NDF: 452116.3/13

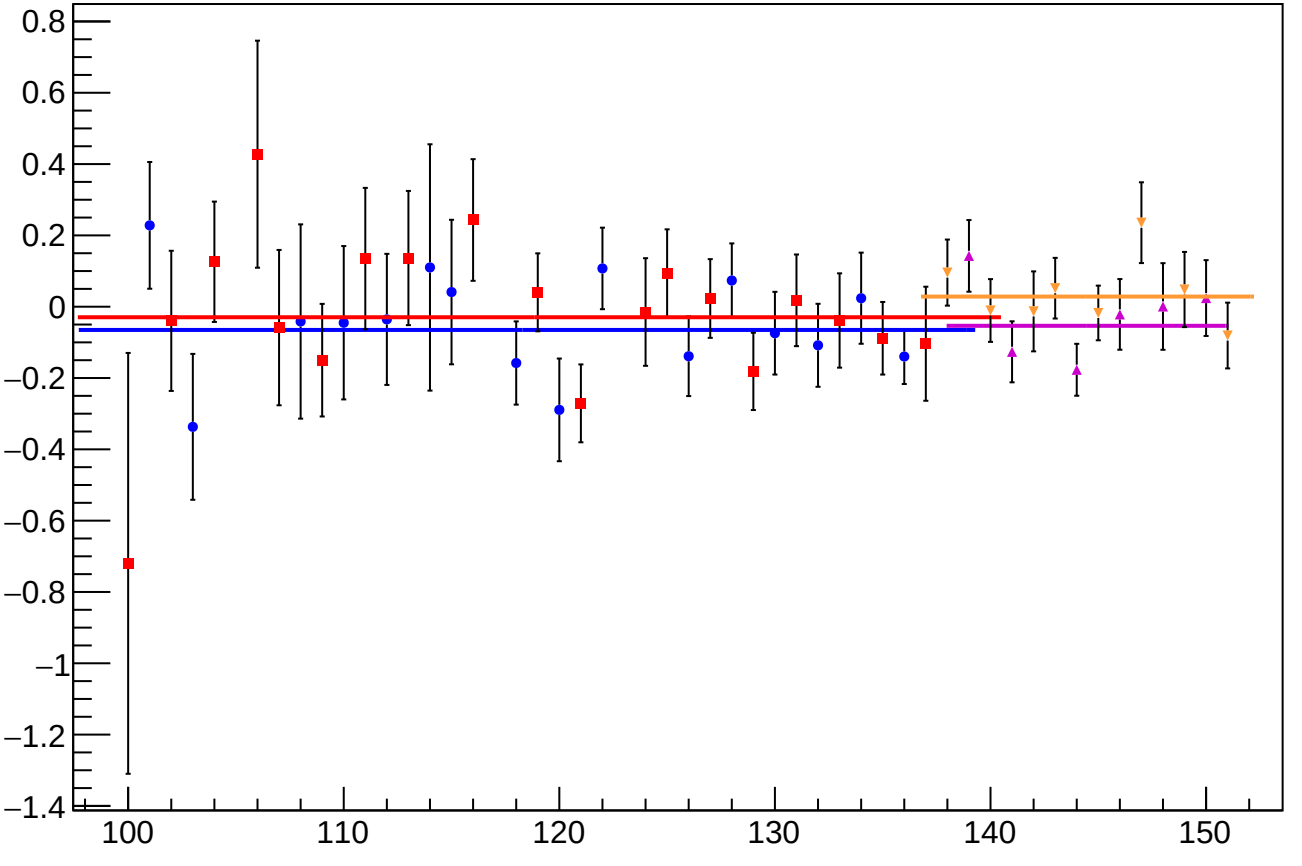
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.943+/-0.018 χ^2/NDF:1288039.6/21

Out: 83.676+/-0.016 χ^2/NDF:1194576.8/26

All: 84.725+/-0.012 χ^2/NDF: 2491362.9/48

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.054+/-0.038 χ^2/NDF:8.2/5

Left: -0.006+/-0.025 χ^2/NDF: 17.0/13

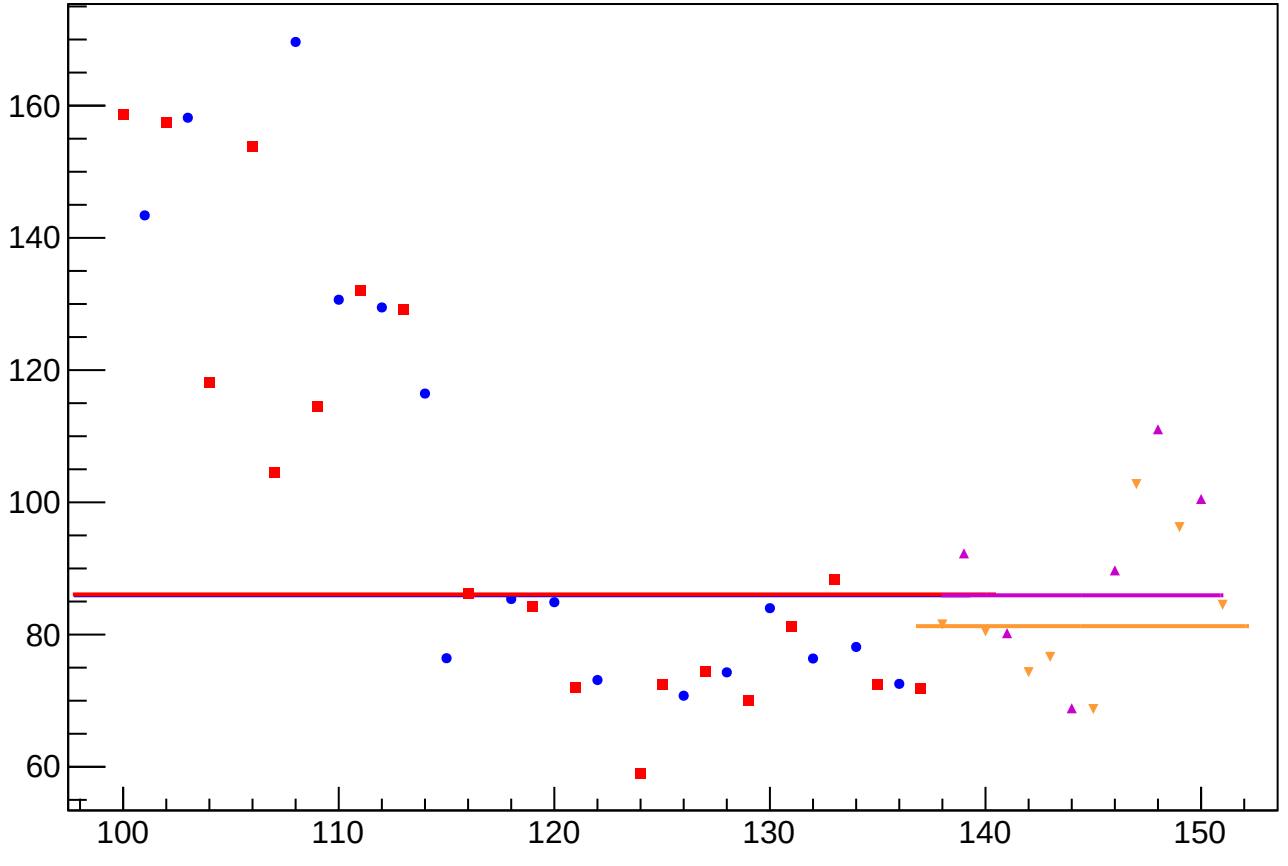
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.060+/-0.025 χ^2/NDF:22.5/21

Out: -0.001+/-0.023 χ^2/NDF:25.7/26

All: -0.028+/-0.017 χ^2/NDF: 51.2/48

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.276+/-0.023 χ^2/NDF:182044.0/7

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.940+/-0.027 χ^2/NDF:253035.0/5

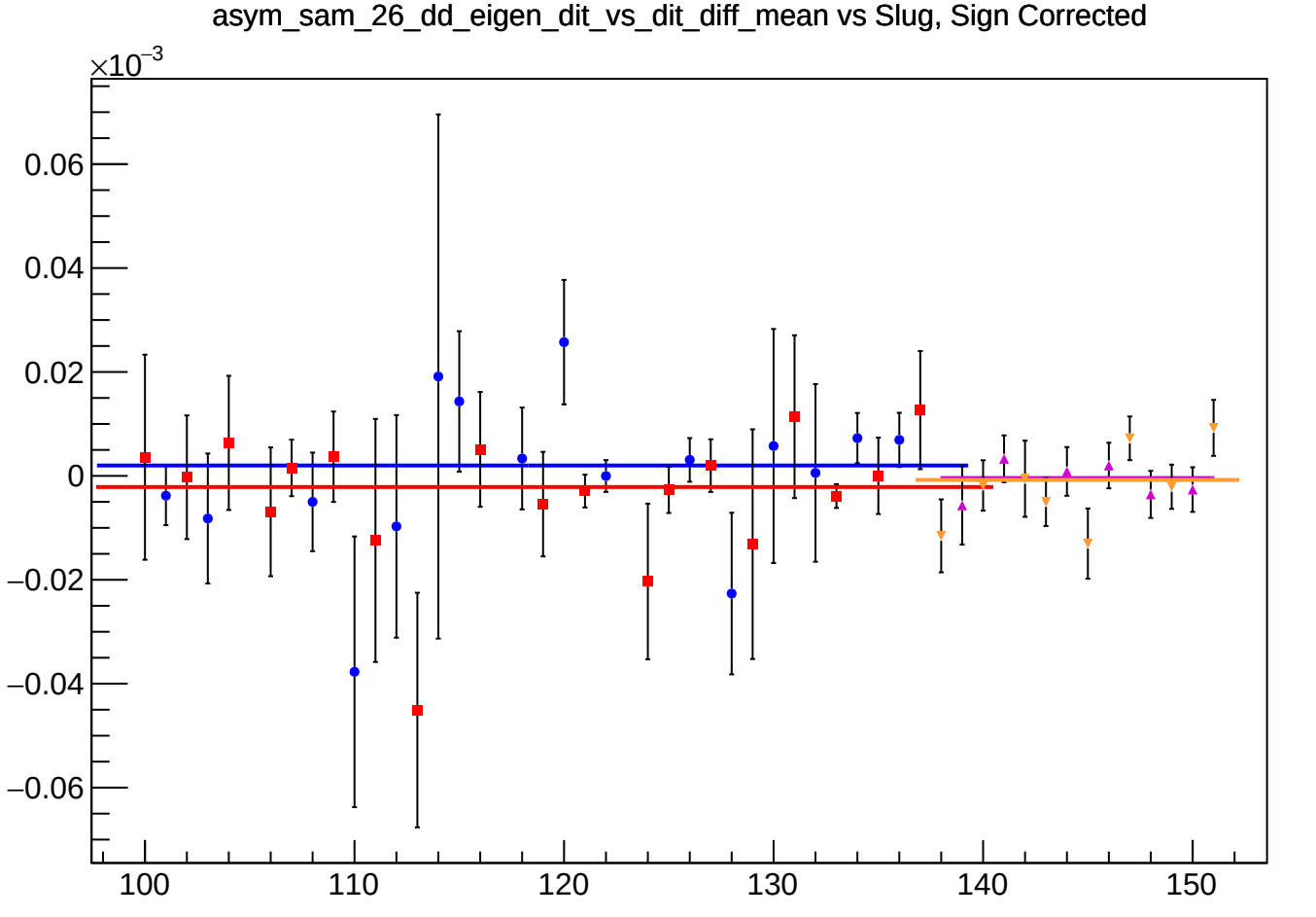
Left: 83.263+/-0.018 χ^2/NDF: 452116.3/13

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.943+/-0.018 χ^2/NDF:1288039.6/21

Out: 83.676+/-0.016 χ^2/NDF:1194576.8/26

All: 84.725+/-0.012 χ^2/NDF: 2491362.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/5

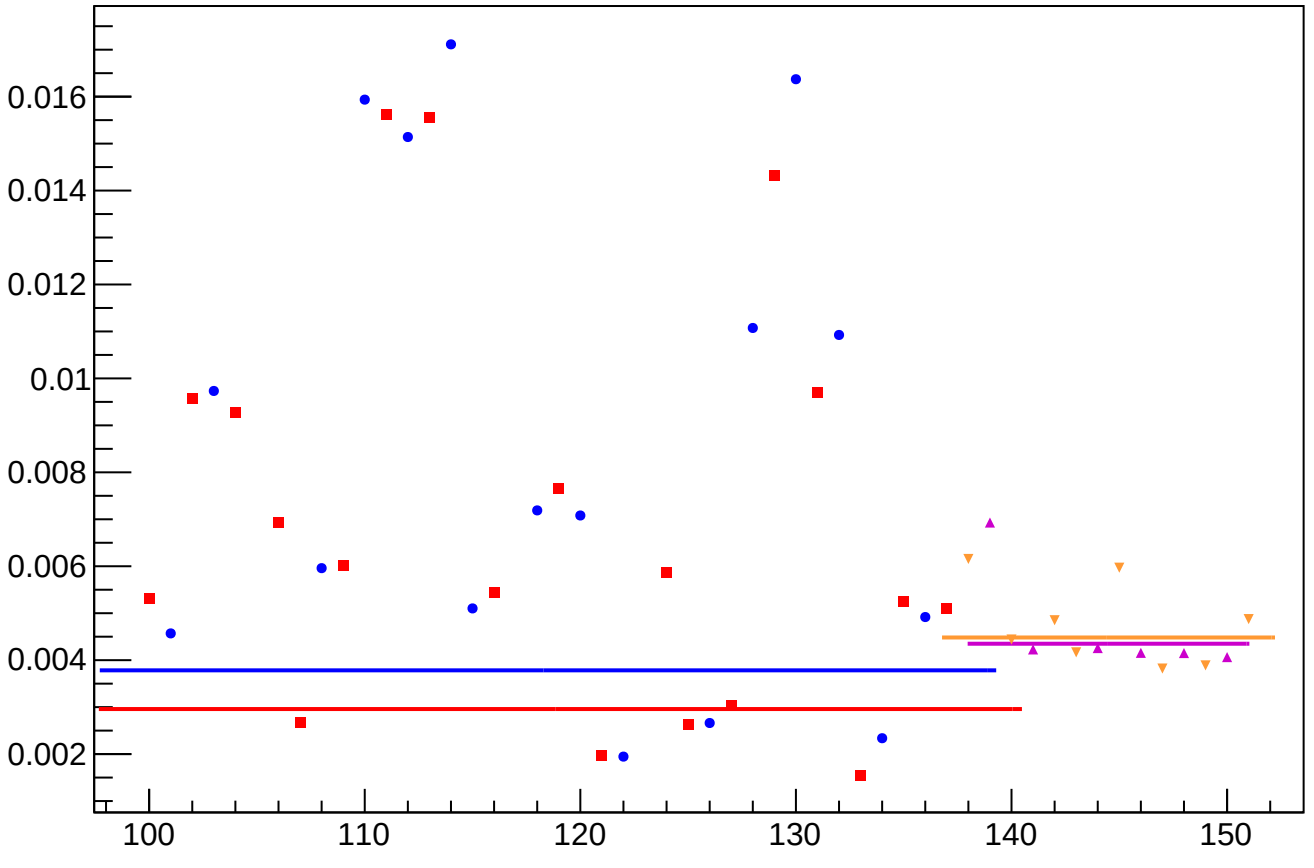
Left: -0.000+/-0.000 χ^2/NDF: 16.0/13

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:18.0/21

Out: -0.000+/-0.000 χ^2/NDF:25.6/26

All: -0.000+/-0.000 χ^2/NDF: 45.8/48



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:323768.5/7

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.004+/-0.000 χ^2/NDF:252653.3/5

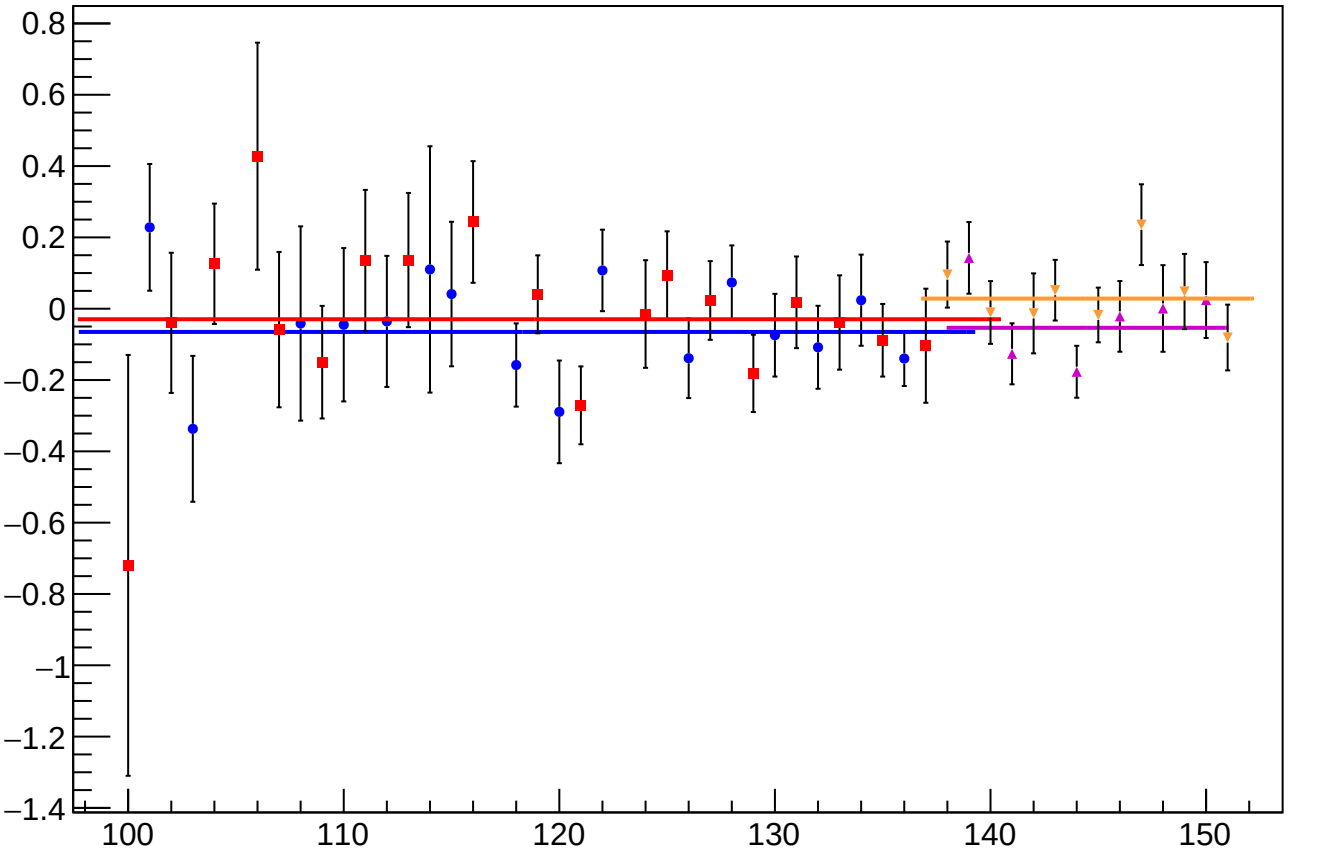
Left: 0.004+/-0.000 χ^2/NDF: 581385.9/13

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5041476.6/21

Out: 0.004+/-0.000 χ^2/NDF:6741323.7/26

All: 0.004+/-0.000 χ^2/NDF: 11966177.8/48



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.054+/-0.038 χ^2/NDF:8.2/5

Left: -0.006+/-0.025 χ^2/NDF: 17.0/13

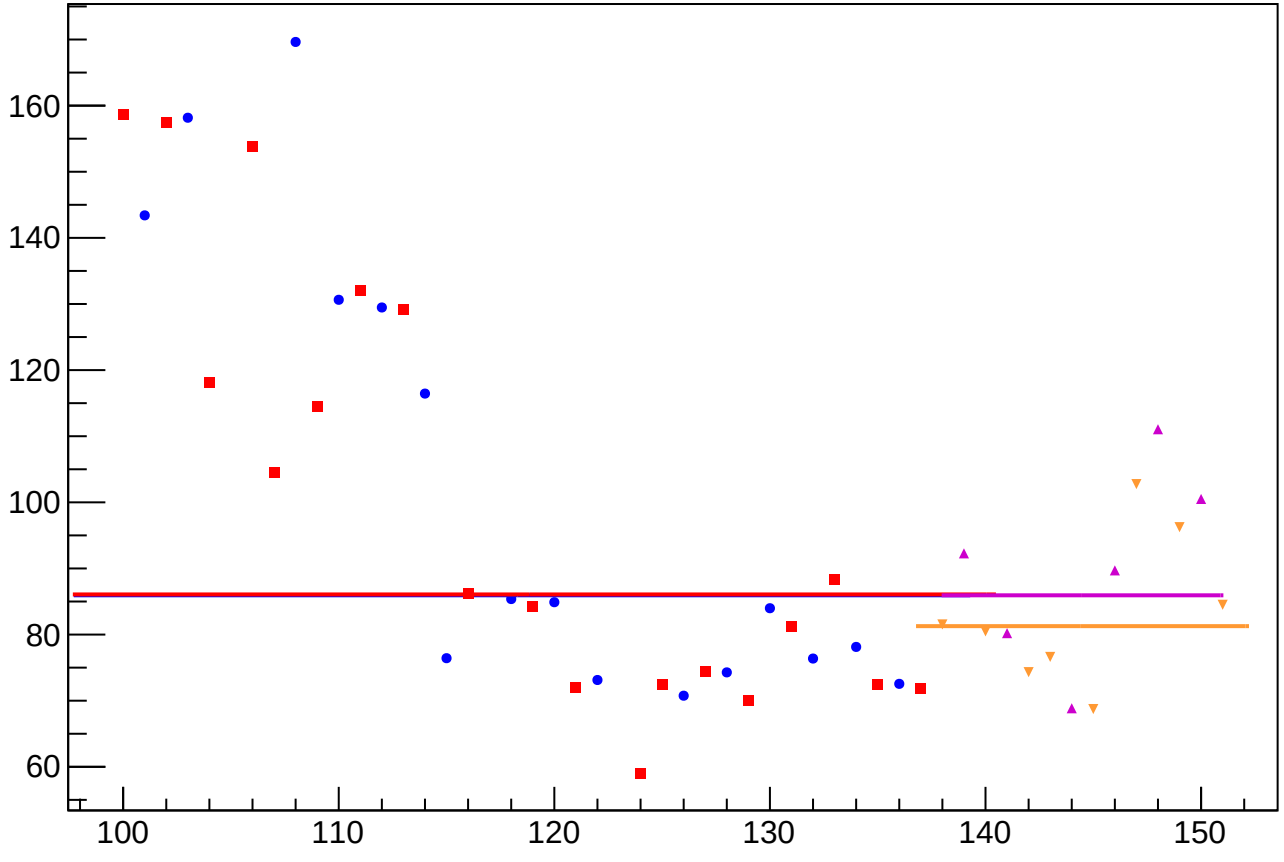
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.060+/-0.025 χ^2/NDF:22.5/21

Out: -0.001+/-0.023 χ^2/NDF:25.7/26

All: -0.028+/-0.017 χ^2/NDF: 51.2/48

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.275+/-0.023 χ^2/NDF:182066.9/7

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.939+/-0.027 χ^2/NDF:253037.7/5

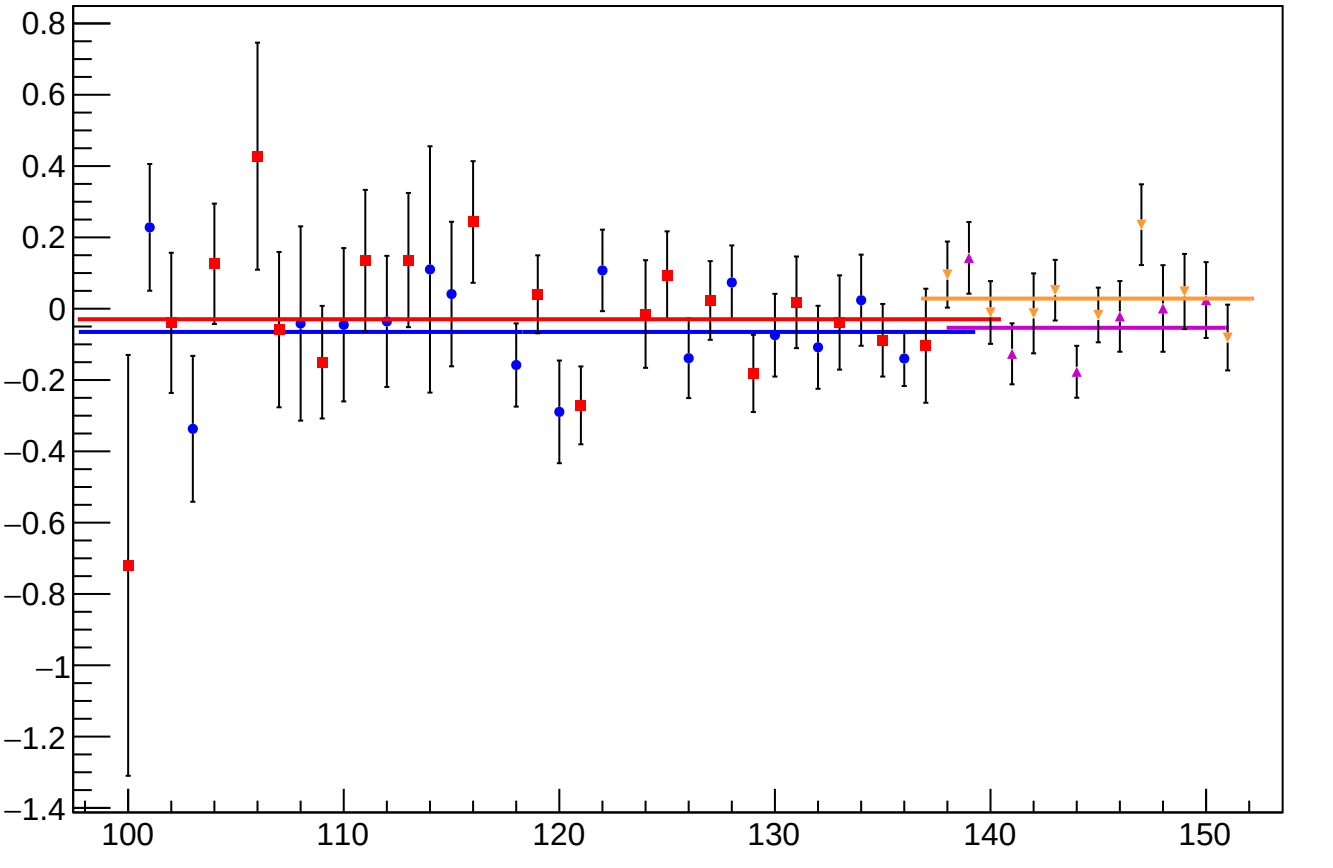
Left: 83.263+/-0.018 χ^2/NDF: 452142.4/13

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.941+/-0.018 χ^2/NDF:1288024.4/21

Out: 83.675+/-0.016 χ^2/NDF:1194581.3/26

All: 84.723+/-0.012 χ^2/NDF: 2491350.1/48



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.054+/-0.038 χ^2/NDF:8.2/5

Left: -0.006+/-0.025 χ^2/NDF: 17.0/13

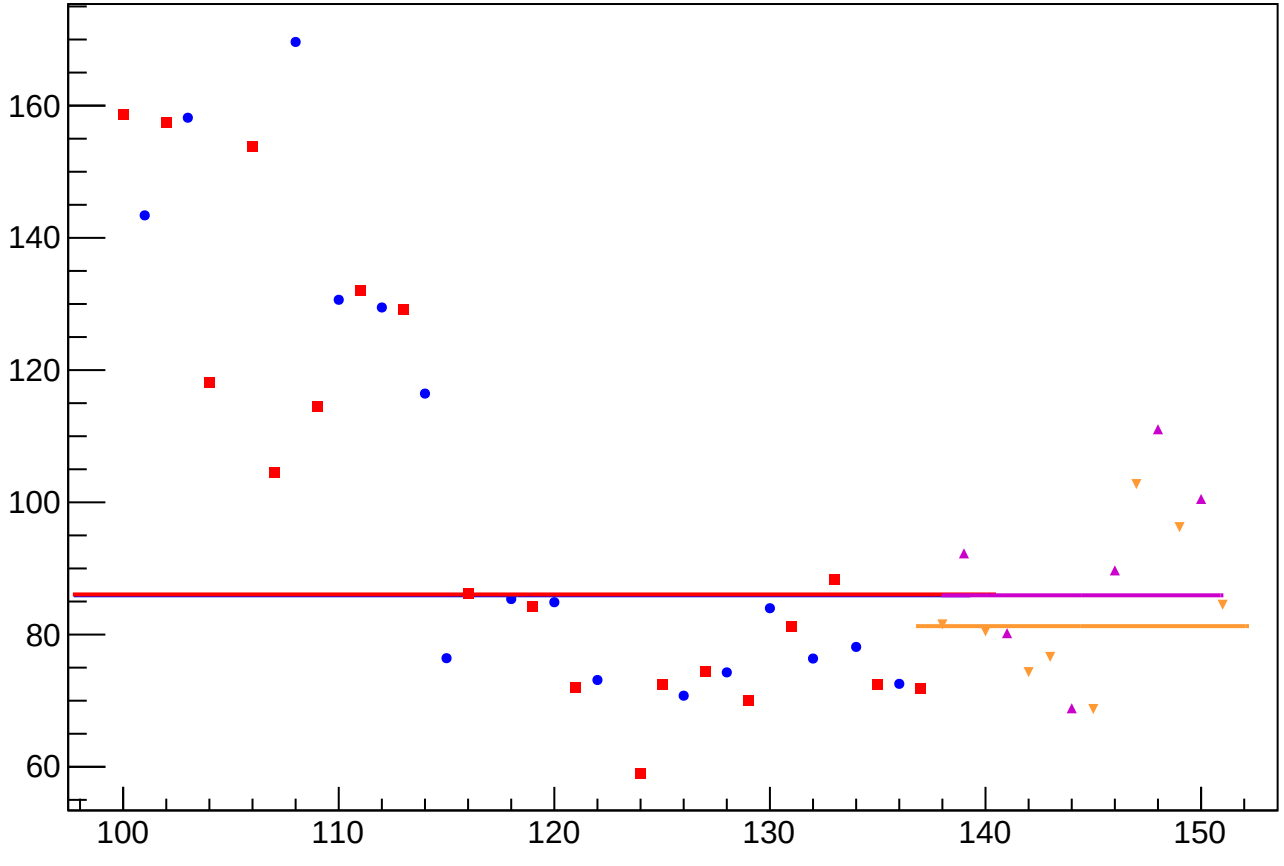
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.060+/-0.025 χ^2/NDF:22.5/21

Out: -0.001+/-0.023 χ^2/NDF:25.7/26

All: -0.028+/-0.017 χ^2/NDF: 51.2/48

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 81.275+/-0.023 χ^2/NDF:182066.9/7

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.939+/-0.027 χ^2/NDF:253037.7/5

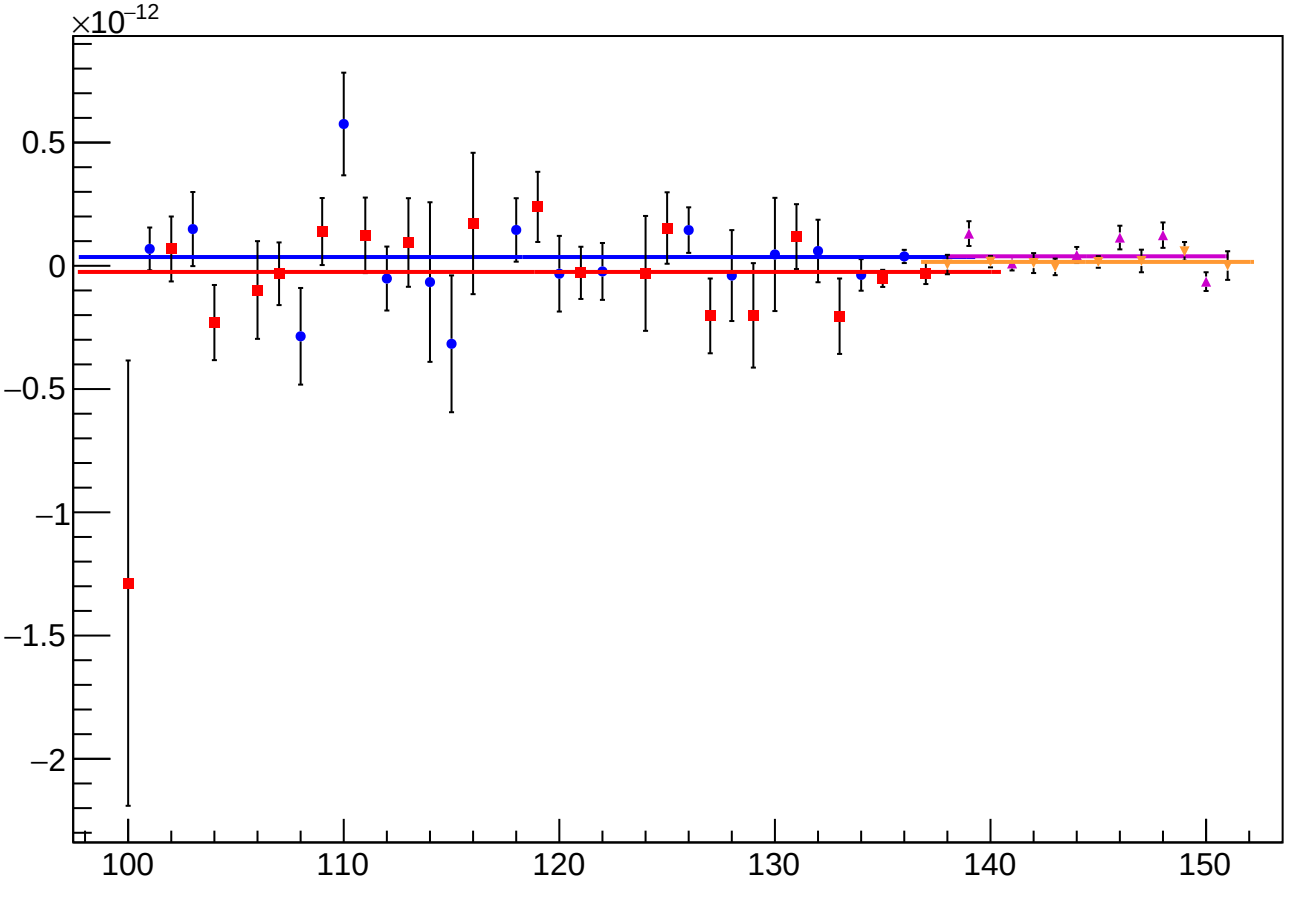
Left: 83.263+/-0.018 χ^2/NDF: 452142.4/13

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.941+/-0.018 χ^2/NDF:1288024.4/21

Out: 83.675+/-0.016 χ^2/NDF:1194581.3/26

All: 84.723+/-0.012 χ^2/NDF: 2491350.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.0/5

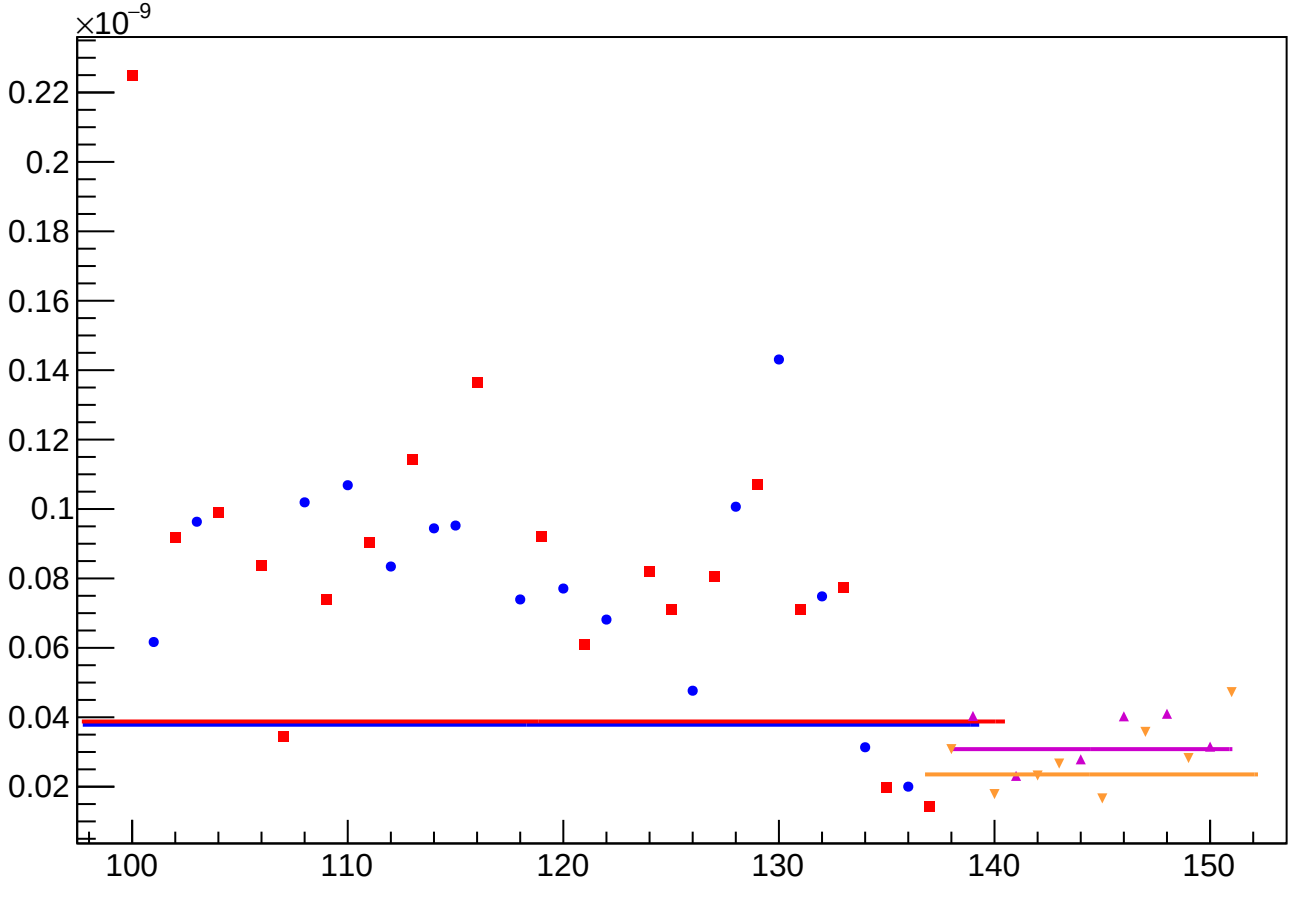
Left: 0.000+/-0.000 χ^2/NDF: 20.2/13

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:33.4/21

Out: 0.000+/-0.000 χ^2/NDF:22.3/26

All: 0.000+/-0.000 χ^2/NDF: 59.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:889315.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:391054.0/5

Left: 0.000+/-0.000 χ^2/NDF: 1558402.6/13

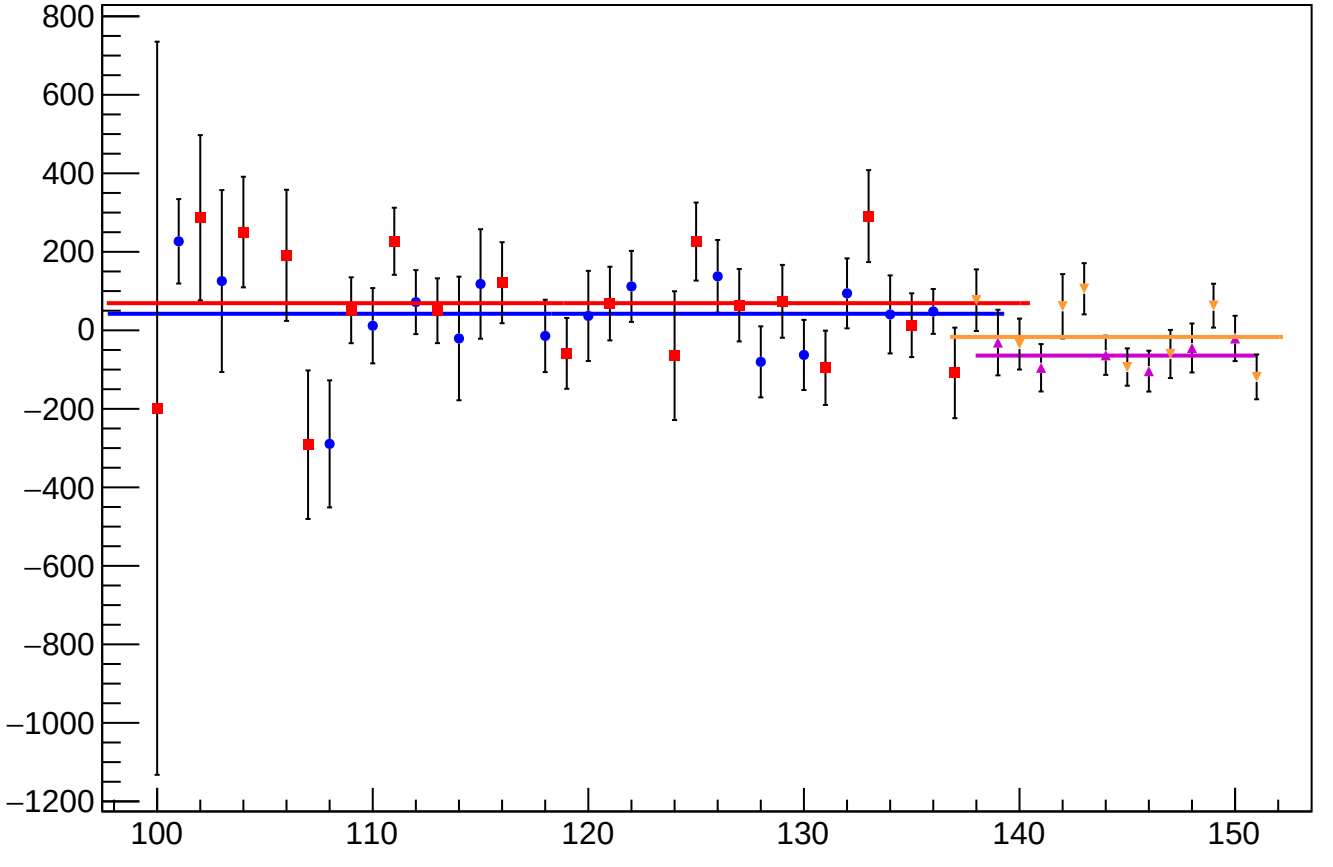
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:3995331.4/21

Out: 0.000+/-0.000 χ^2/NDF:5751480.1/26

All: 0.000+/-0.000 χ^2/NDF: 10074065.7/48

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -16.757+/-21.717 χ^2/NDF:14.3/7

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -64.318+/-23.944 χ^2/NDF:1.7/5

Left: -38.223+/-16.086 χ^2/NDF: 18.1/13

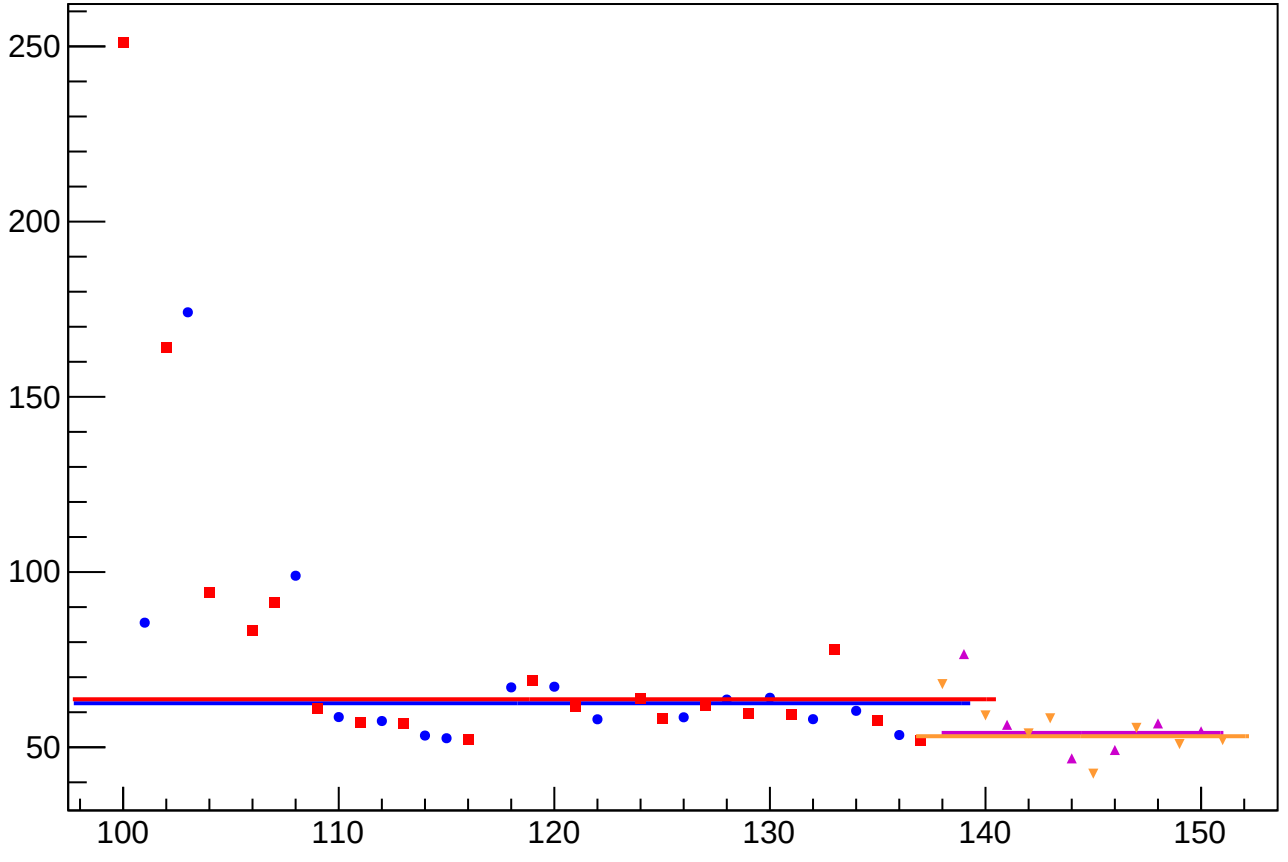
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -11.631+/-17.023 χ^2/NDF:25.0/21

Out: 21.227+/-16.227 χ^2/NDF:46.6/26

All: 5.584+/-11.746 χ^2/NDF: 73.5/48

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 53.153+/-0.015 χ^2/NDF:208943.0/7

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 54.093+/-0.017 χ^2/NDF:211849.6/5

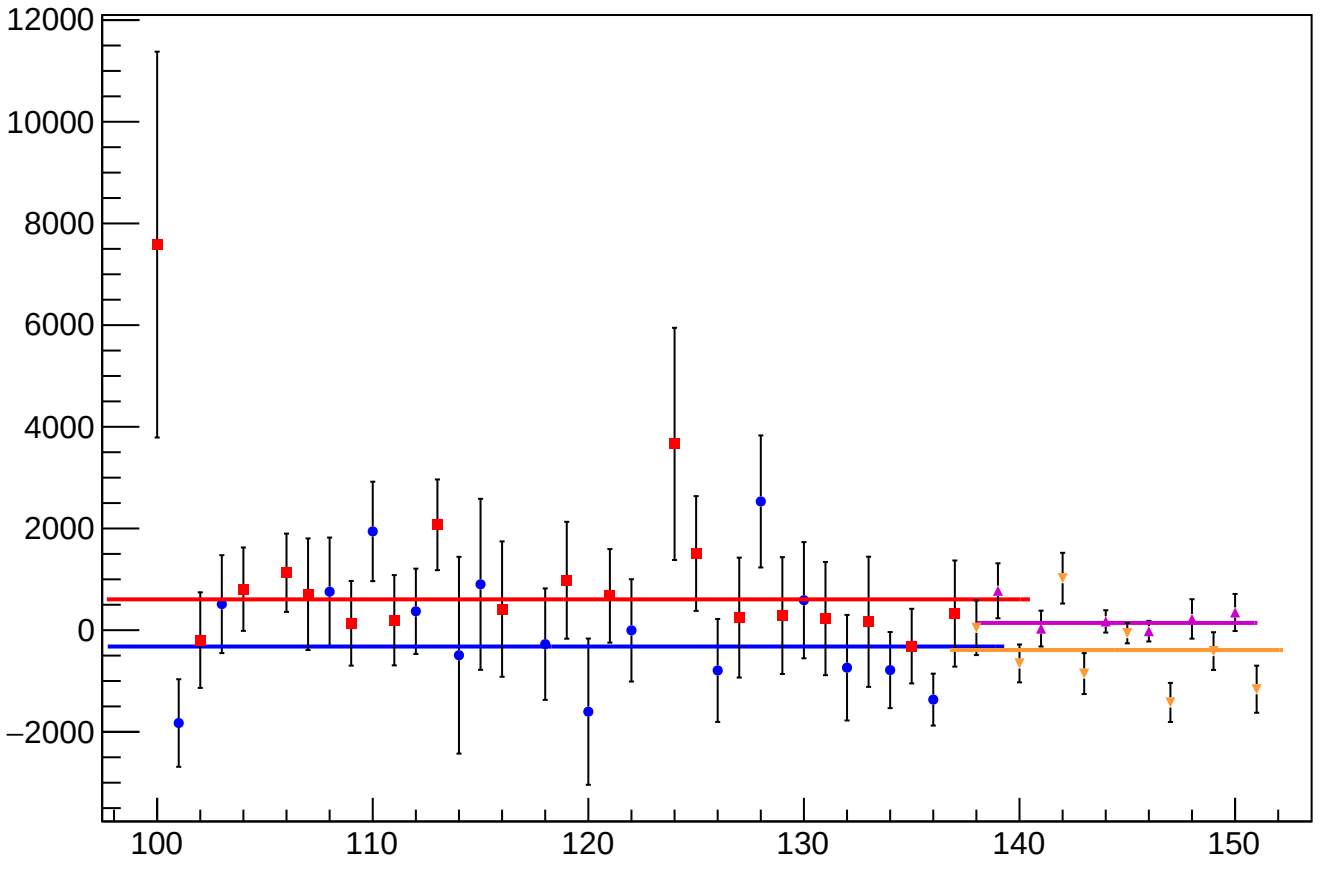
Left: 53.578+/-0.011 χ^2/NDF: 422484.2/13

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 58.283+/-0.012 χ^2/NDF:1094280.8/21

Out: 57.811+/-0.011 χ^2/NDF:1251420.3/26

All: 58.036+/-0.008 χ^2/NDF: 2346507.9/48



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -390.295+/-124.533 χ^2/NDF:23.2/7

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 142.598+/-118.906 χ^2/NDF:2.5/5

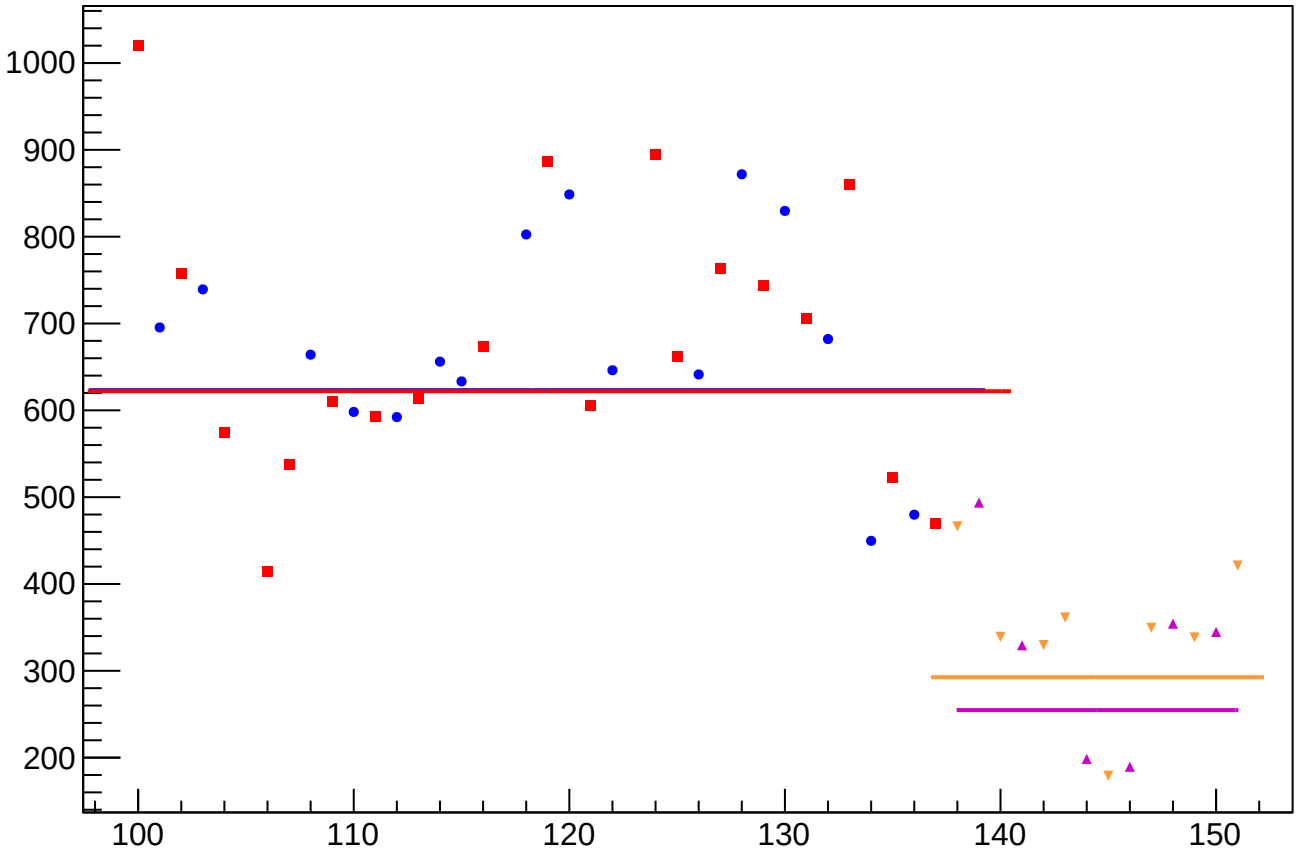
Left: -111.538+/-86.000 χ^2/NDF: 35.3/13

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 50.163+/-106.412 χ^2/NDF:28.2/21

Out: -169.905+/-109.897 χ^2/NDF:49.9/26

All: -56.327+/-76.447 χ^2/NDF: 80.2/48



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 292.657+/-0.088 χ^2/NDF:1179183.6/7

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 254.791+/-0.084 χ^2/NDF:1072504.4/5

Left: 272.849+/-0.061 χ^2/NDF: 2348417.5/13

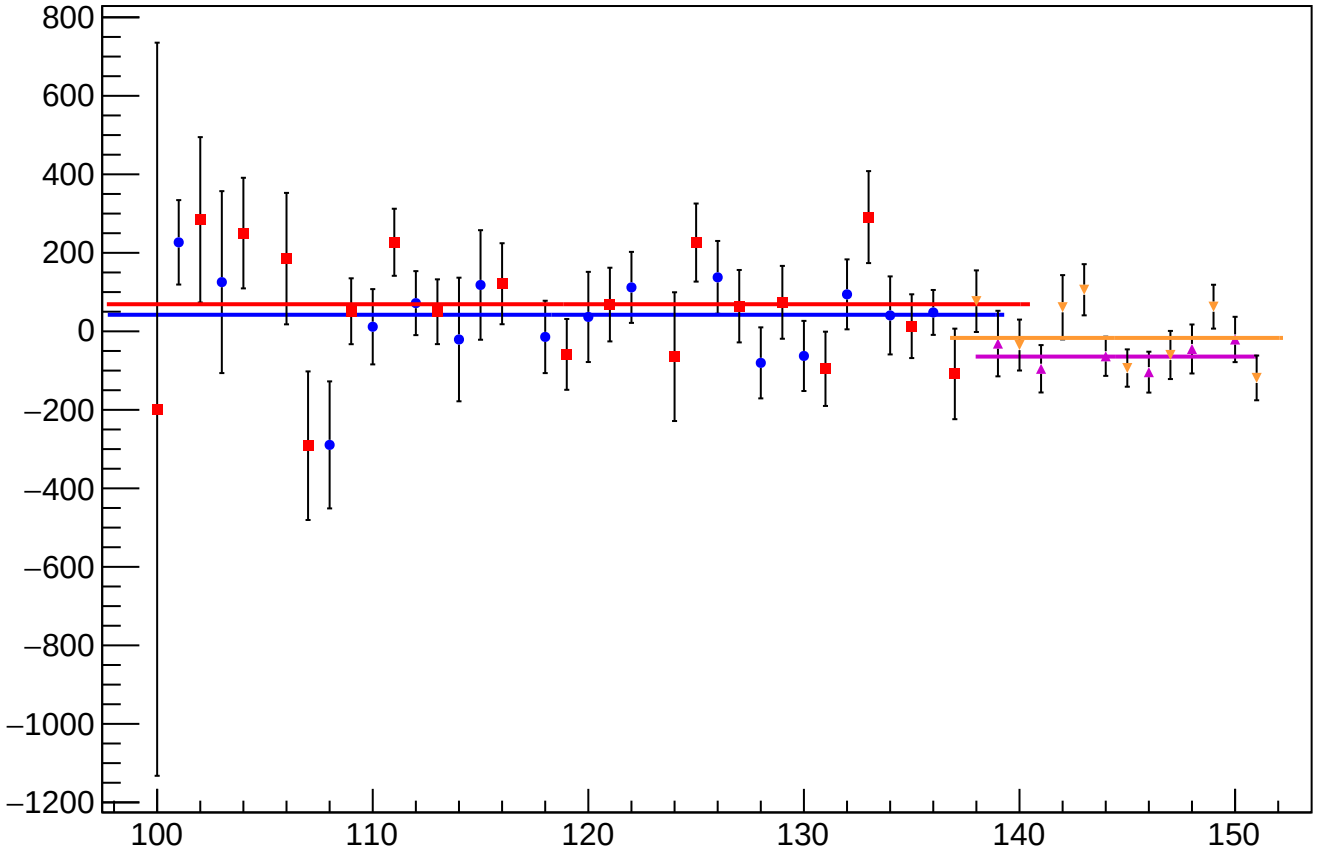
Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 328.137+/-0.075 χ^2/NDF:5460216.4/21

Out: 365.516+/-0.078 χ^2/NDF:4856038.9/26

All: 346.225+/-0.054 χ^2/NDF: 10435662.7/48

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -16.754+/-21.717 χ^2/NDF:14.3/7

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -64.317+/-23.944 χ^2/NDF:1.7/5

Left: -38.221+/-16.086 χ^2/NDF: 18.1/13

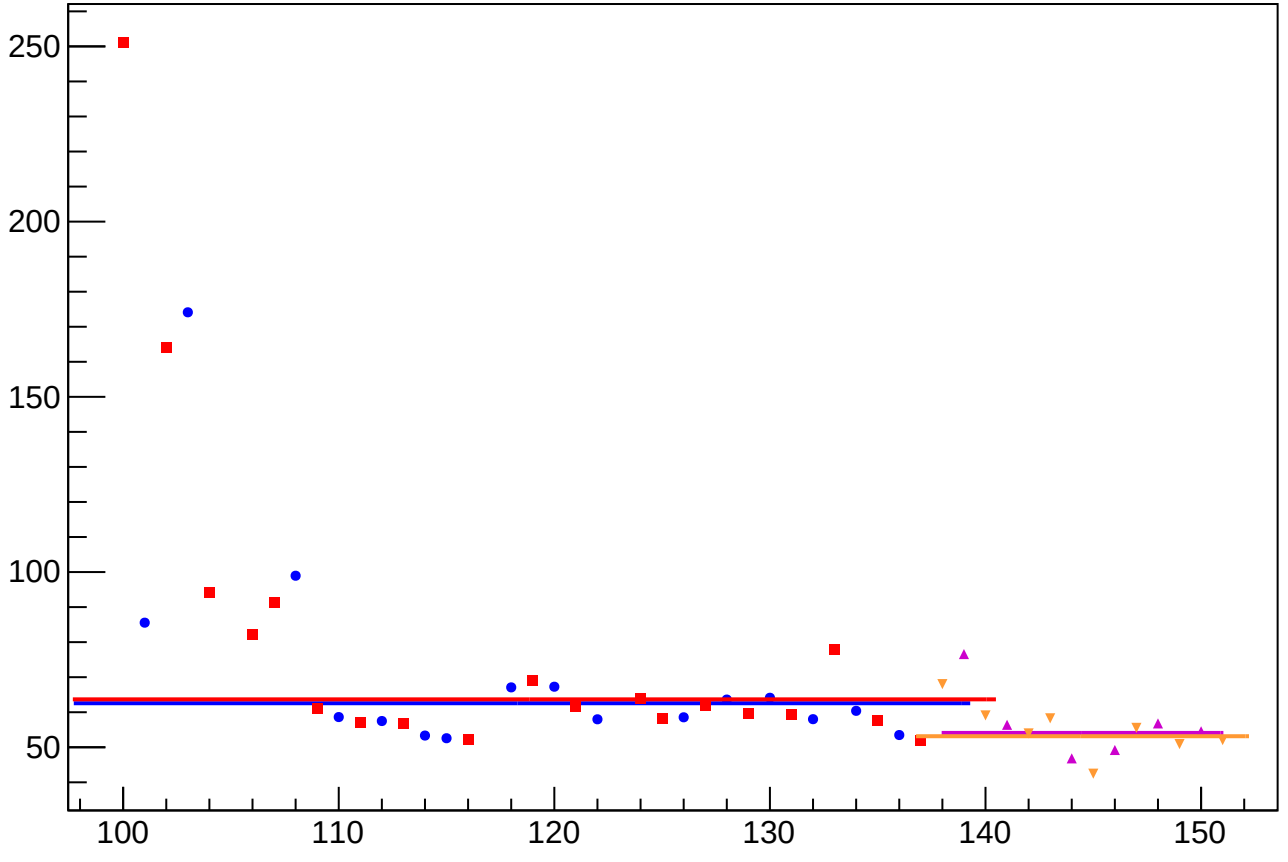
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -11.633+/-17.023 χ^2/NDF:25.0/21

Out: 21.146+/-16.228 χ^2/NDF:46.5/26

All: 5.540+/-11.746 χ^2/NDF: 73.4/48

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.153+/-0.015 χ^2/NDF:208943.0/7

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 54.093+/-0.017 χ^2/NDF:211849.6/5

Left: 53.578+/-0.011 χ^2/NDF: 422484.2/13

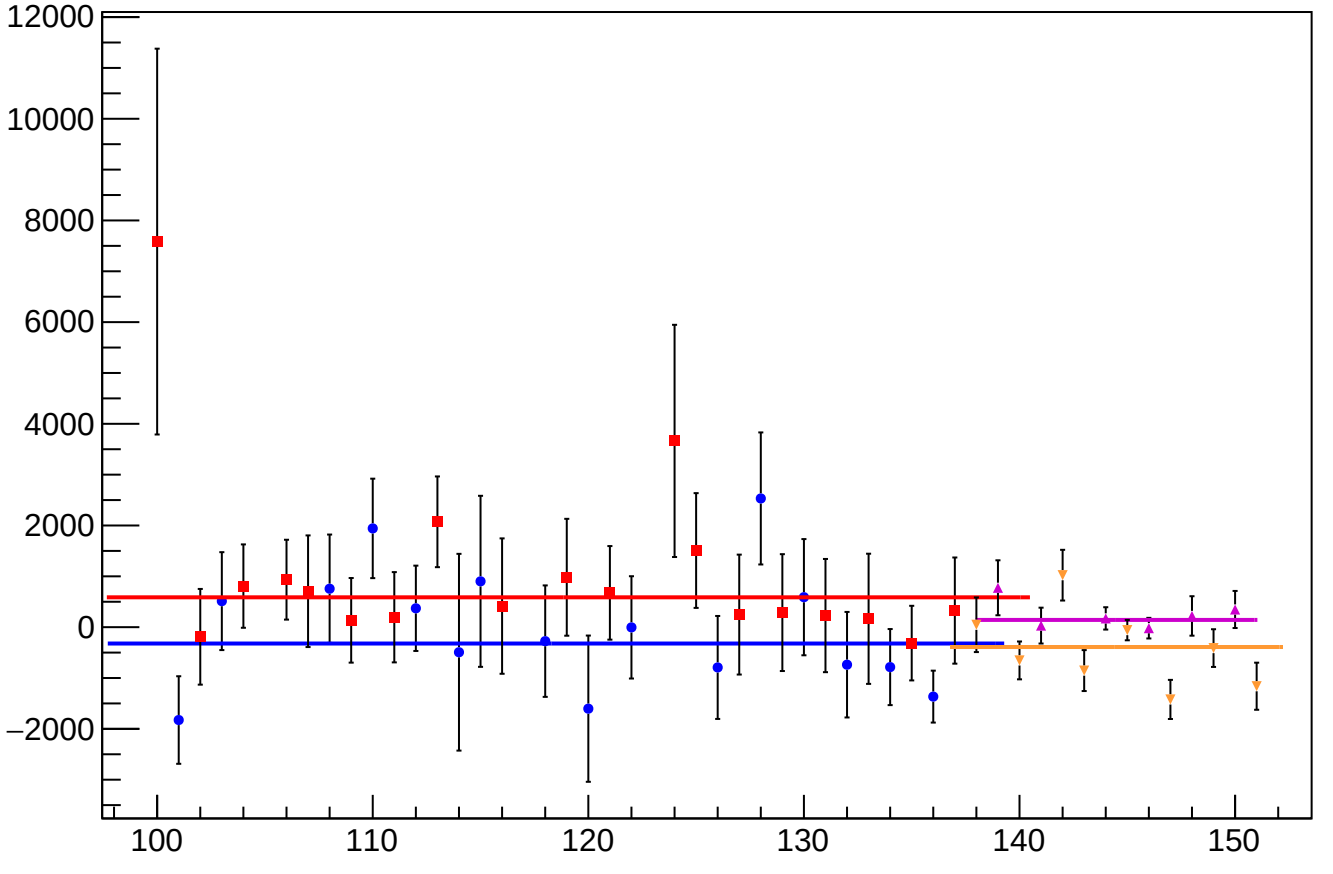
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.283+/-0.012 χ^2/NDF:1094282.8/21

Out: 57.800+/-0.011 χ^2/NDF:1247706.1/26

All: 58.030+/-0.008 χ^2/NDF: 2342833.6/48

asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -390.292+/-124.533 χ^2/NDF:23.2/7

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 142.603+/-118.906 χ^2/NDF:2.5/5

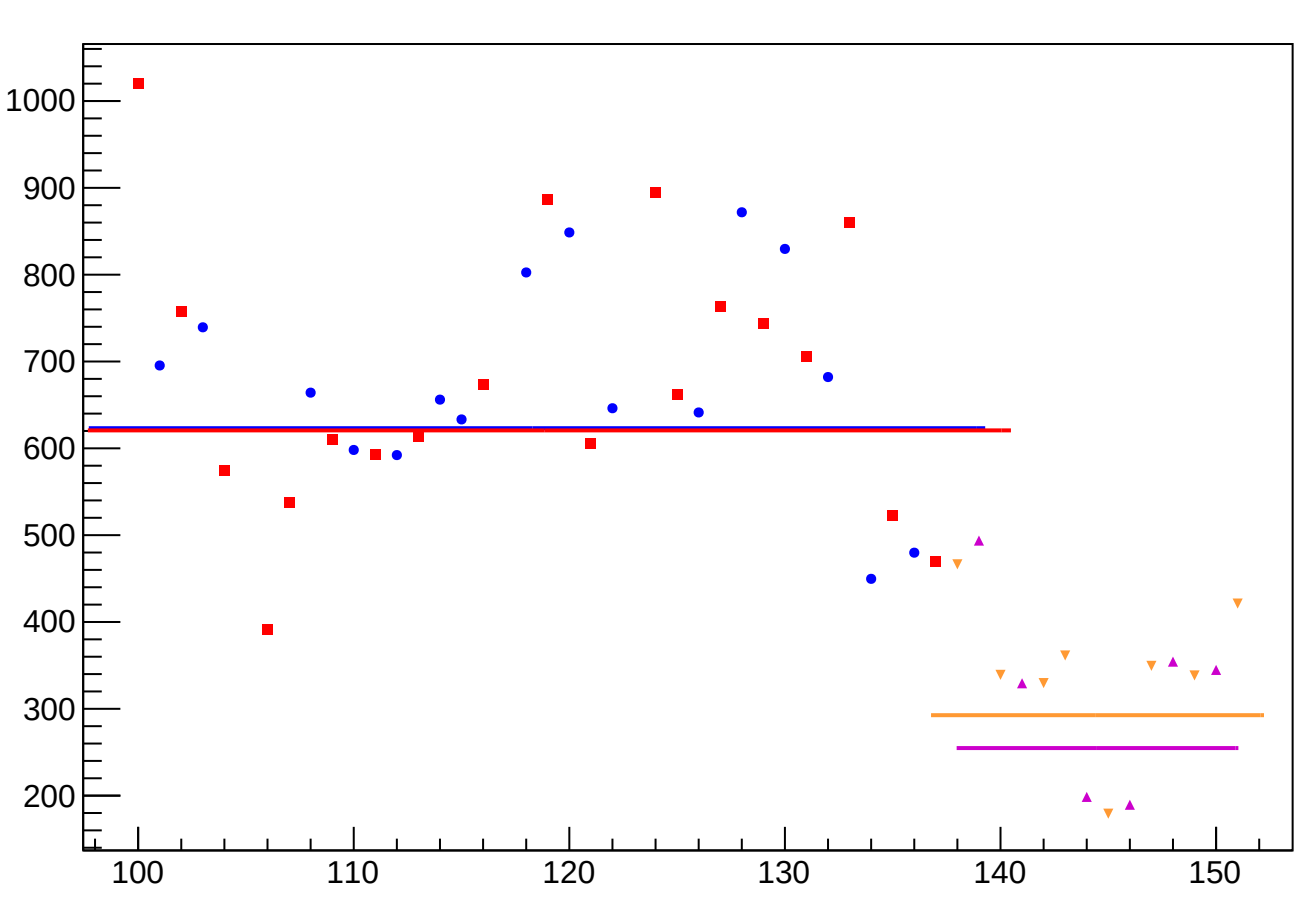
Left: -111.534+/-85.999 χ^2/NDF: 35.3/13

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 50.169+/-106.412 χ^2/NDF:28.2/21

Out: -174.655+/-109.942 χ^2/NDF:49.0/26

All: -58.576+/-76.462 χ^2/NDF: 79.4/48



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 292.657+/-0.088 χ^2/NDF:1179189.3/7

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 254.790+/-0.084 χ^2/NDF:1072509.7/5

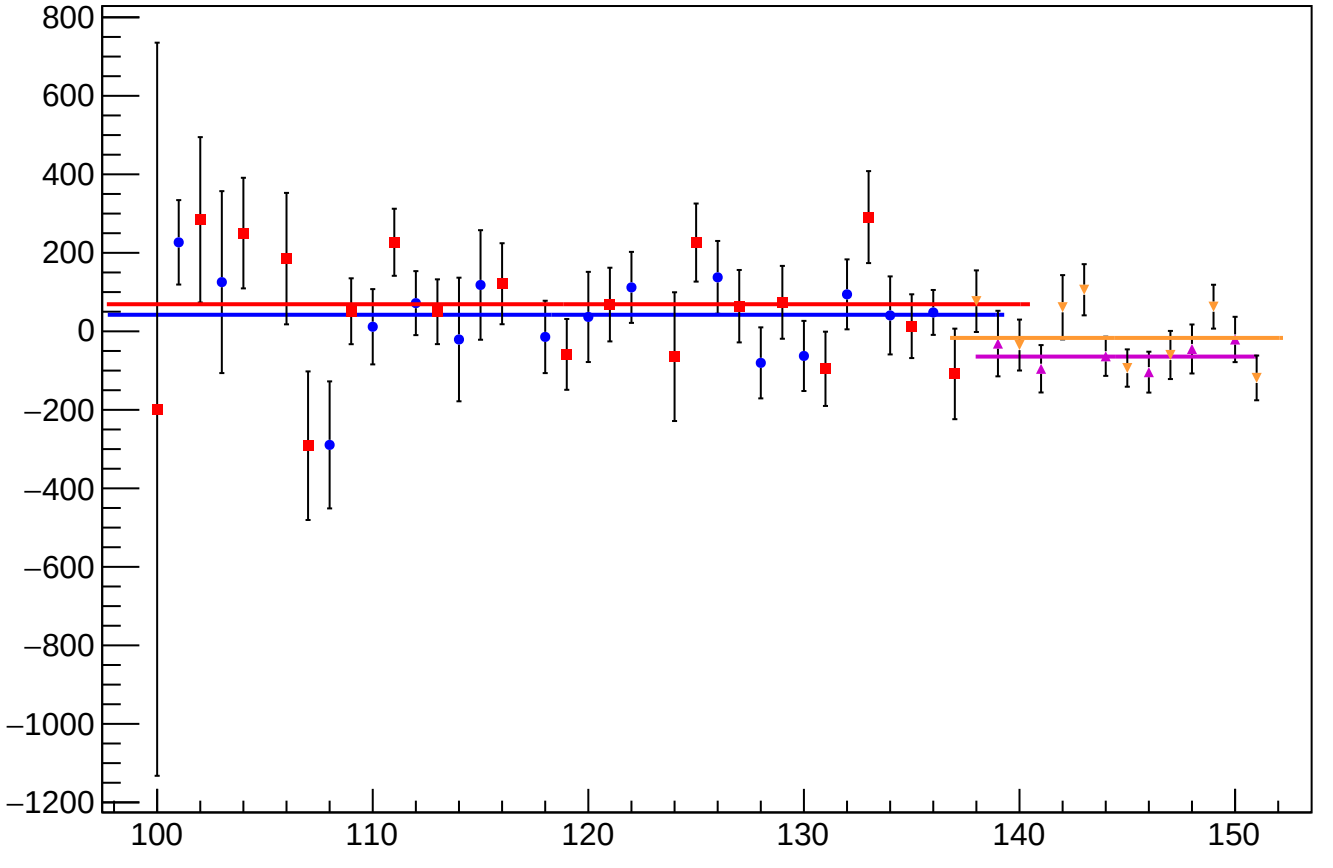
Left: 272.849+/-0.061 χ^2/NDF: 2348428.2/13

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

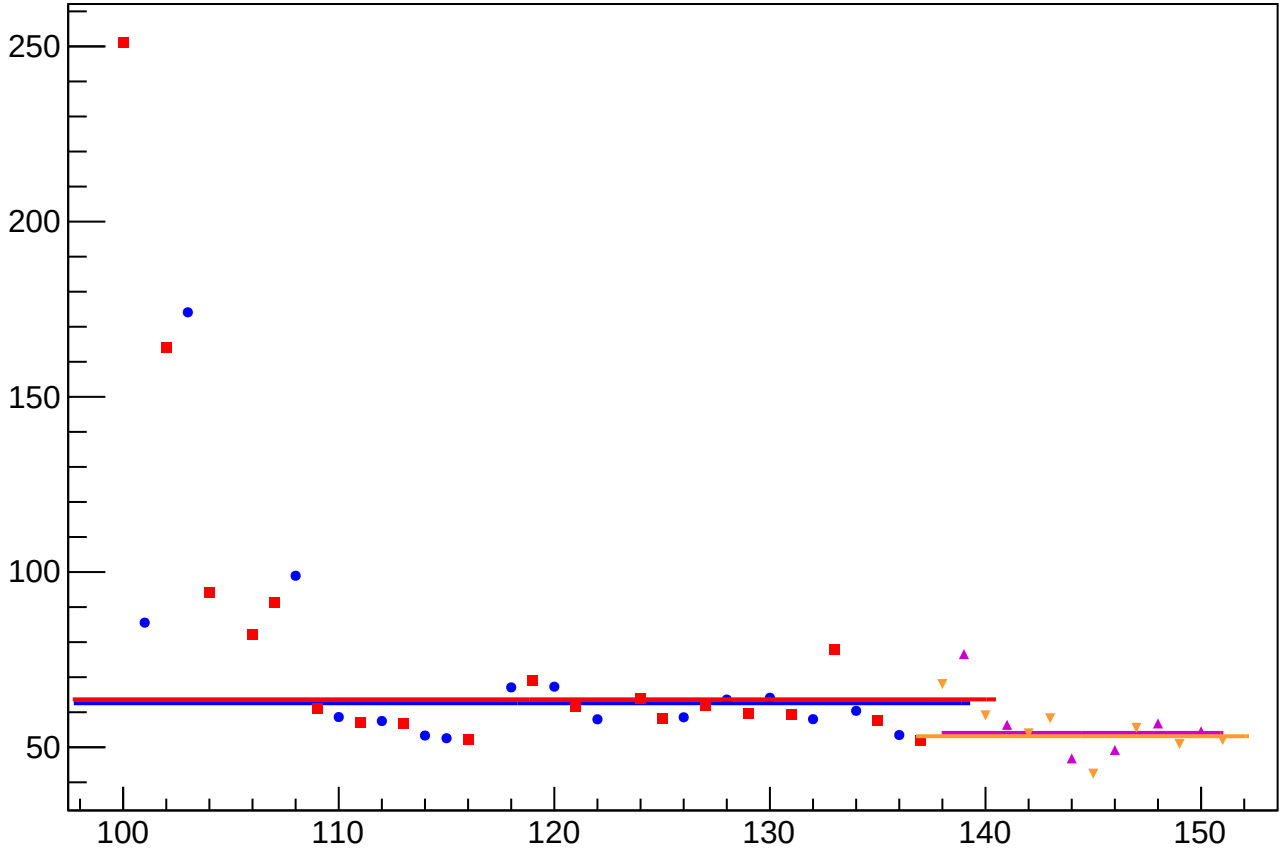
In: 328.137+/-0.075 χ^2/NDF:5460282.6/21

Out: 365.016+/-0.078 χ^2/NDF:4850646.7/26

All: 345.975+/-0.054 χ^2/NDF: 10427121.5/48


eigen_cor_asym_sam_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
Right In: 42.213+/-24.207 χ²/NDF: 13.6/15
Left Out: -16.754+/-21.717 χ²/NDF:14.3/7
Right Out: 69.068+/-24.420 χ²/NDF: 25.3/18
Left In: -64.317+/-23.944 χ²/NDF:1.7/5
Left: -38.221+/-16.086 χ²/NDF: 18.1/13
Right: 55.523+/-17.192 χ²/NDF: 39.4/34
In: -11.633+/-17.023 χ²/NDF:25.0/21
Out: 21.146+/-16.228 χ²/NDF:46.5/26
All: 5.540+/-11.746 χ²/NDF: 73.4/48

eigen_cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 53.153+/-0.015 χ^2/NDF:208943.0/7

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 54.093+/-0.017 χ^2/NDF:211849.6/5

Left: 53.578+/-0.011 χ^2/NDF: 422484.2/13

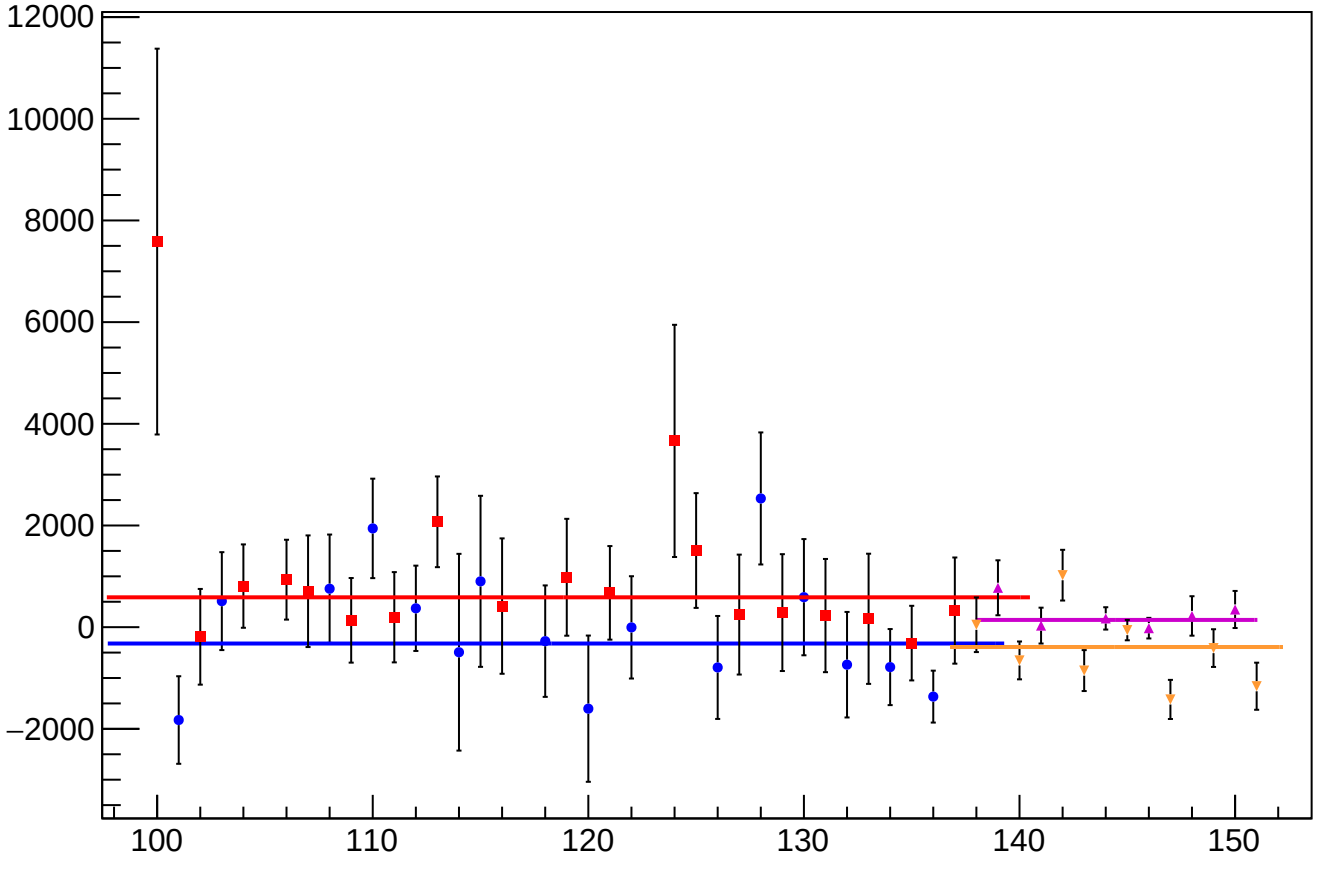
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 58.283+/-0.012 χ^2/NDF:1094282.8/21

Out: 57.800+/-0.011 χ^2/NDF:1247706.1/26

All: 58.030+/-0.008 χ^2/NDF: 2342833.6/48

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -390.292+/-124.533 χ^2/NDF:23.2/7

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 142.603+/-118.906 χ^2/NDF:2.5/5

Left: -111.534+/-85.999 χ^2/NDF: 35.3/13

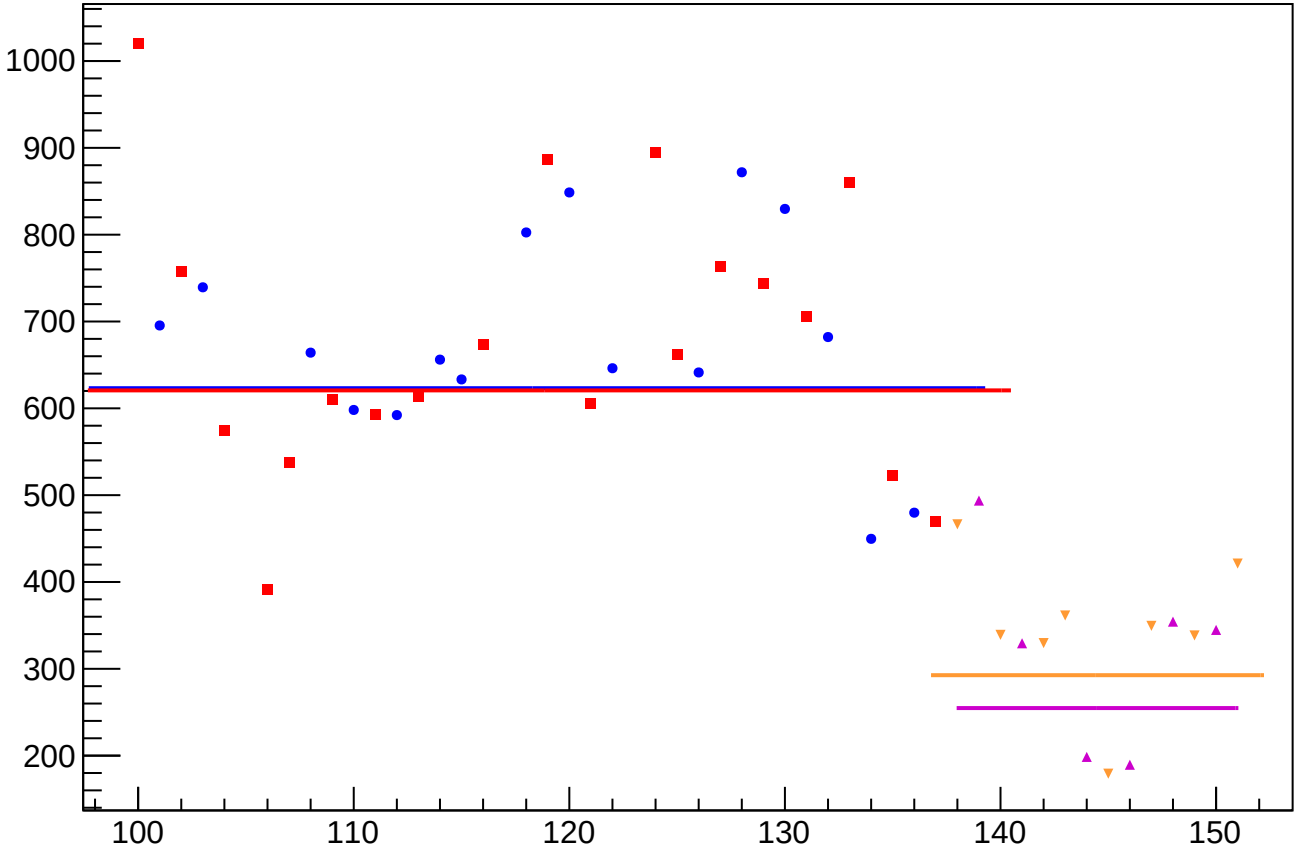
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 50.169+/-106.412 χ^2/NDF:28.2/21

Out: -174.655+/-109.942 χ^2/NDF:49.0/26

All: -58.576+/-76.462 χ^2/NDF: 79.4/48

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 292.657+/-0.088 χ^2/NDF:1179189.3/7

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 254.790+/-0.084 χ^2/NDF:1072509.7/5

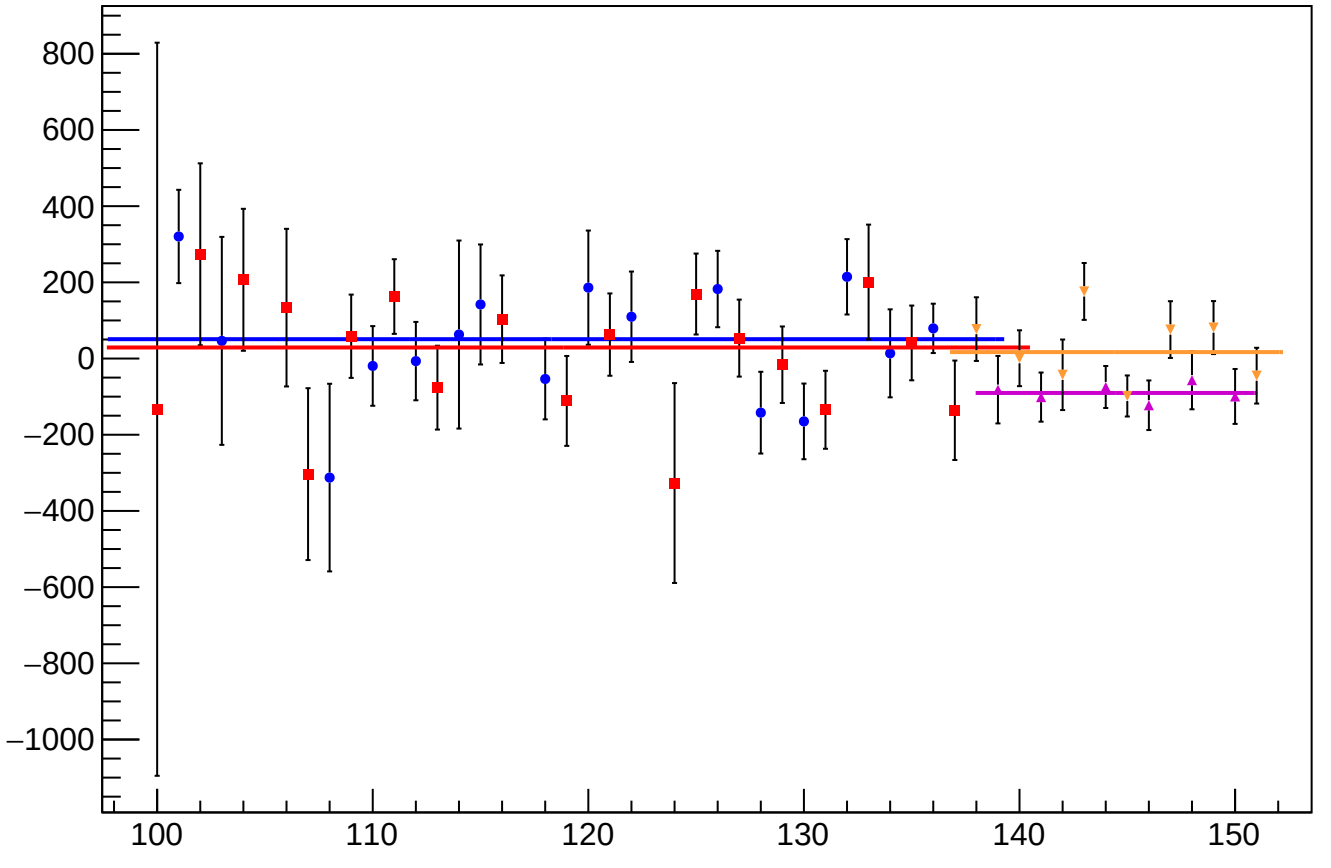
Left: 272.849+/-0.061 χ^2/NDF: 2348428.2/13

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 328.137+/-0.075 χ^2/NDF:5460282.6/21

Out: 365.016+/-0.078 χ^2/NDF:4850646.7/26

All: 345.975+/-0.054 χ^2/NDF: 10427121.5/48



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 16.937+/-25.452 χ^2/NDF:12.3/7

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -90.331+/-27.770 χ^2/NDF:0.6/5

Left: -32.033+/-18.763 χ^2/NDF: 21.0/13

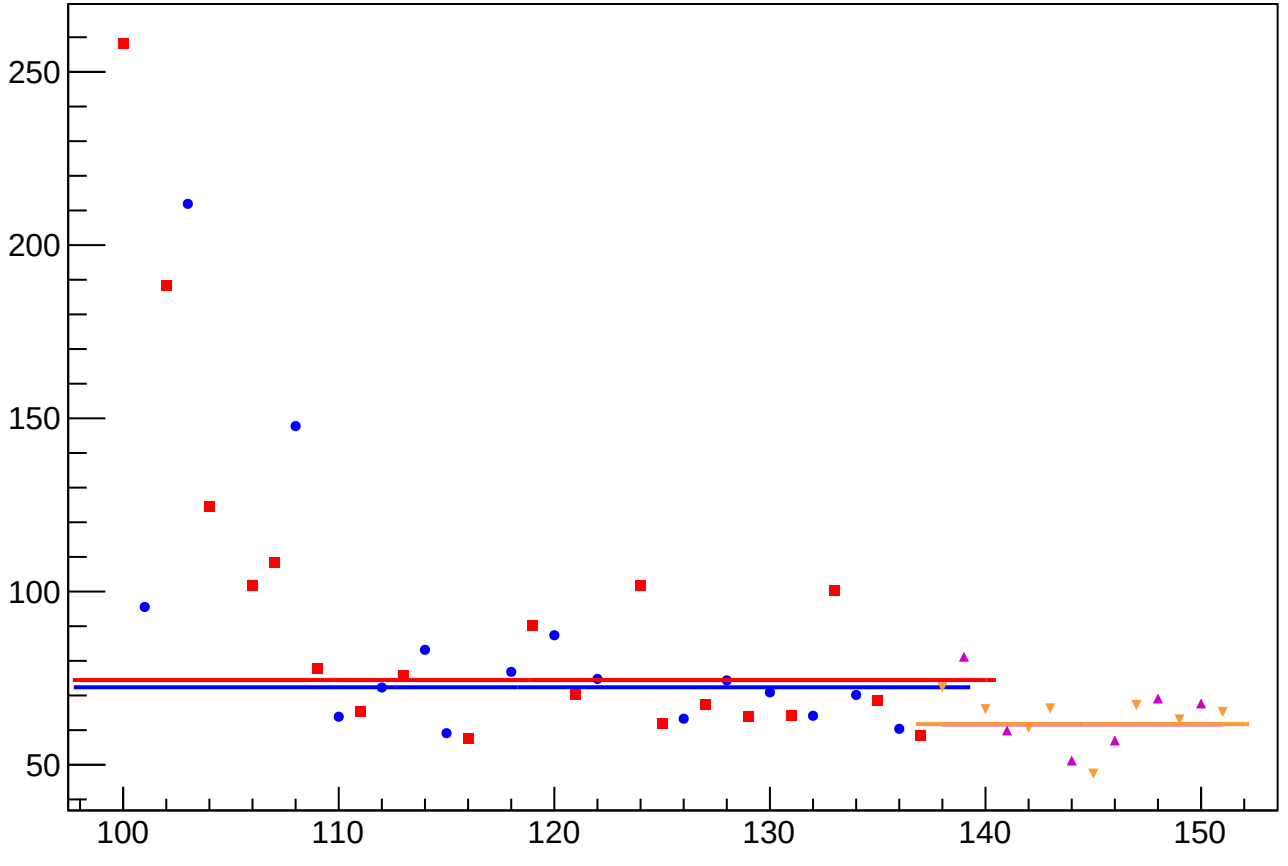
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -21.120+/-19.827 χ^2/NDF:36.1/21

Out: 22.222+/-19.103 χ^2/NDF:30.9/26

All: 1.356+/-13.757 χ^2/NDF: 69.5/48

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 61.748+/-0.018 χ^2/NDF:204161.1/7

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 61.663+/-0.020 χ^2/NDF:213798.2/5

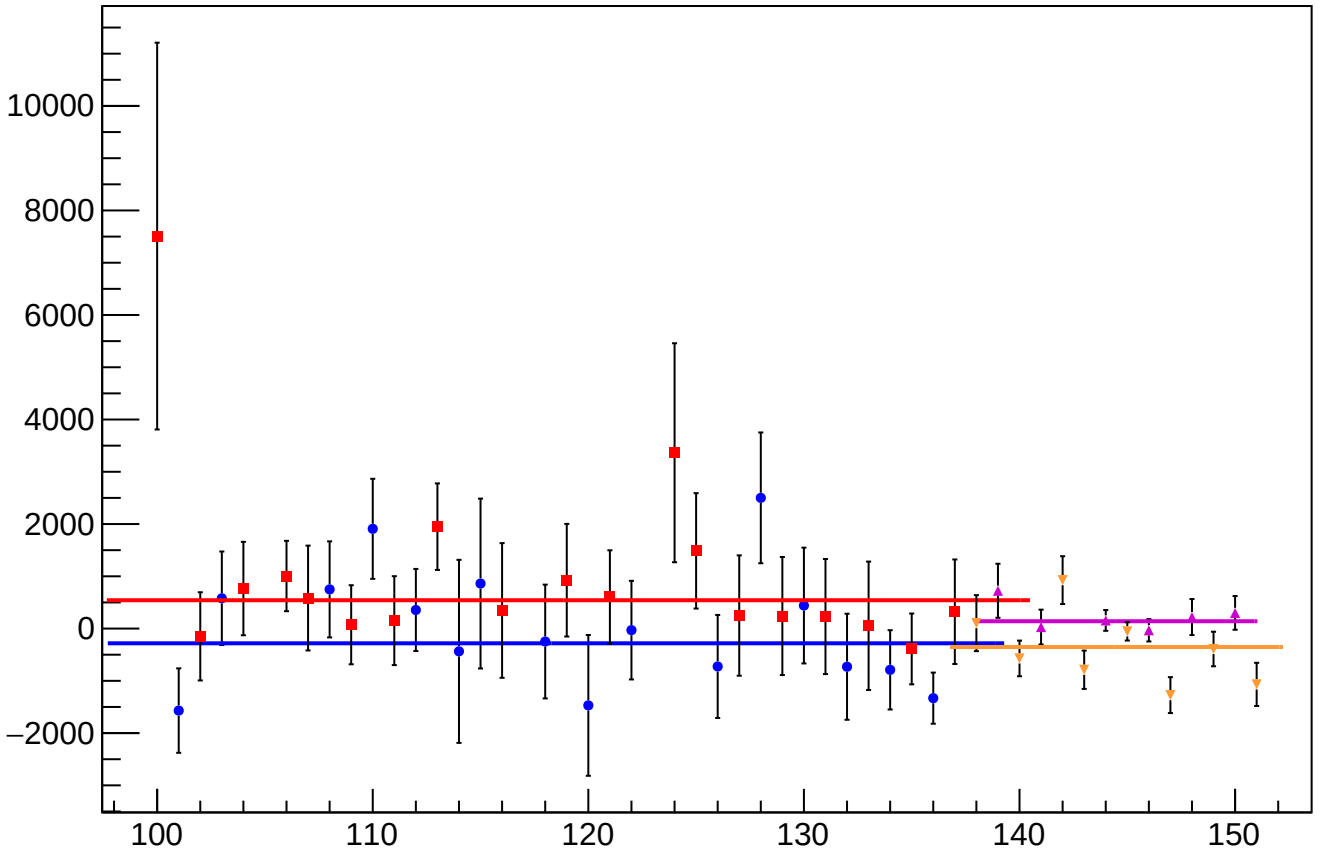
Left: 61.709+/-0.013 χ^2/NDF: 417969.5/13

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 66.916+/-0.014 χ^2/NDF:1297948.9/21

Out: 67.300+/-0.014 χ^2/NDF:1474431.3/26

All: 67.115+/-0.010 χ^2/NDF: 2772769.2/48



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -353.285+/-111.628 χ^2/NDF:23.5/7

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 140.177+/-113.228 χ^2/NDF:2.3/5

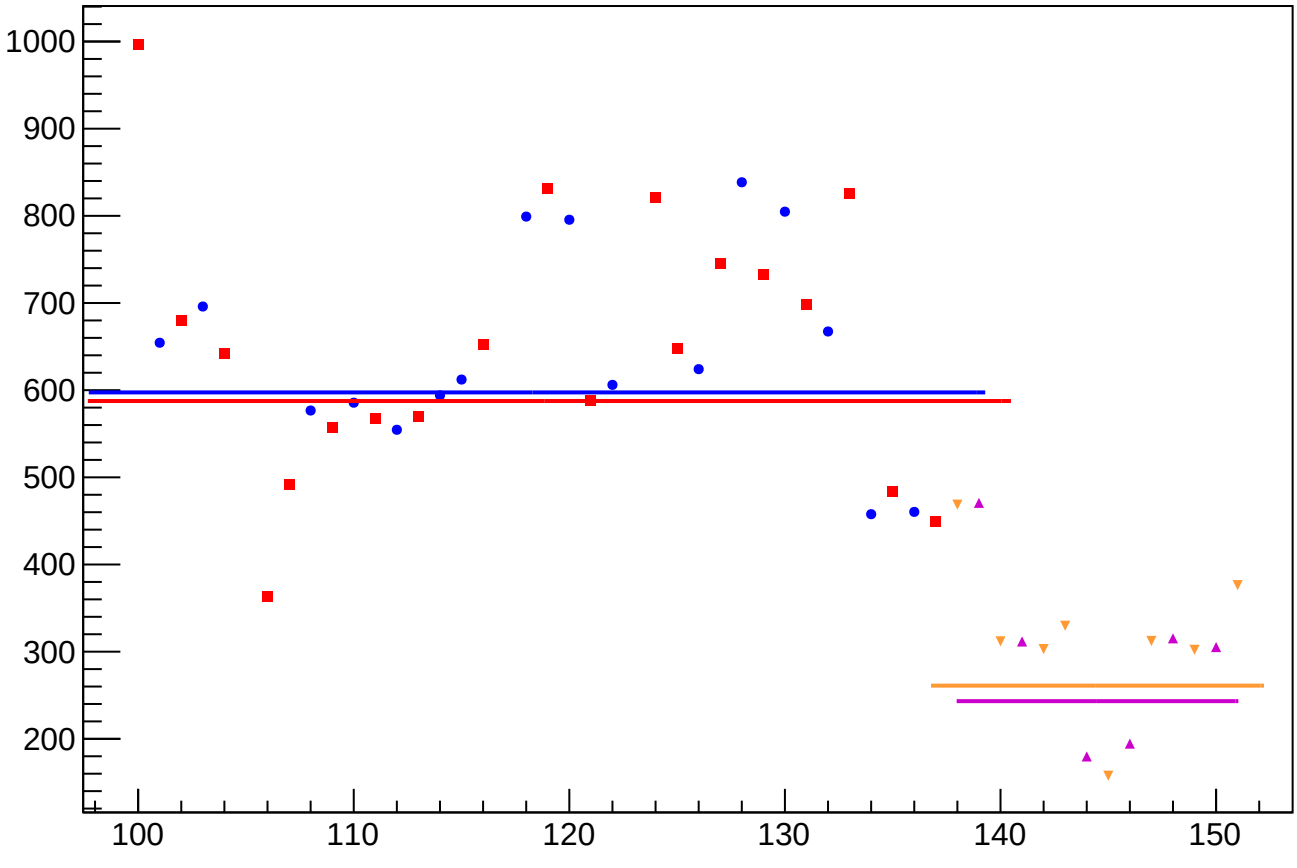
Left: -110.066+/-79.493 χ^2/NDF: 35.4/13

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 56.524+/-101.393 χ^2/NDF:27.9/21

Out: -171.169+/-99.630 χ^2/NDF:49.8/26

All: -59.319+/-71.064 χ^2/NDF: 80.3/48



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 261.031+/-0.079 χ^2/NDF:1356183.5/7

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 243.240+/-0.080 χ^2/NDF:941122.9/5

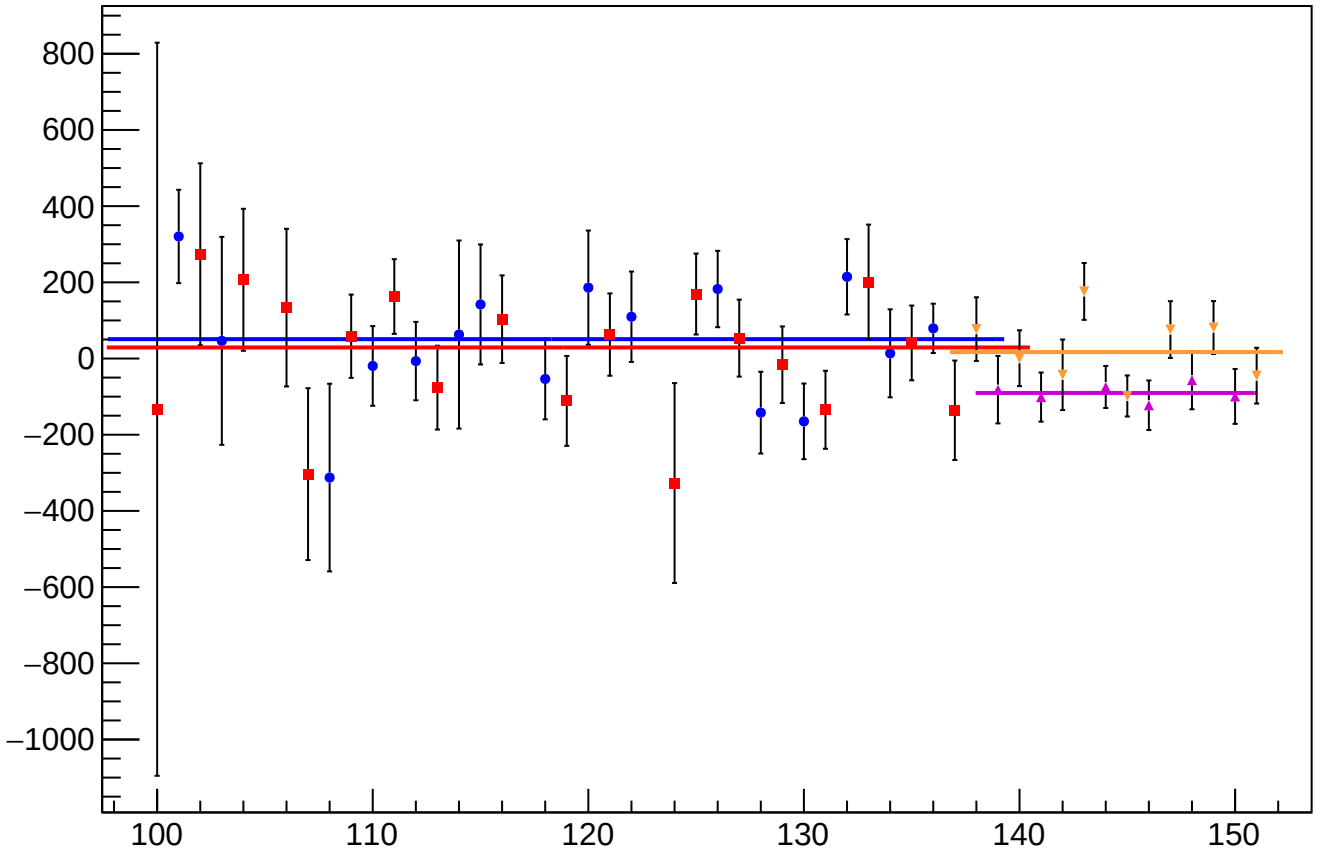
Left: 252.262+/-0.056 χ^2/NDF: 2322343.7/13

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 313.417+/-0.072 χ^2/NDF:5352485.5/21

Out: 327.451+/-0.070 χ^2/NDF:5526309.2/26

All: 320.557+/-0.050 χ^2/NDF: 10898288.5/48



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 16.939+/-25.452 χ^2/NDF:12.3/7

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -90.330+/-27.770 χ^2/NDF:0.6/5

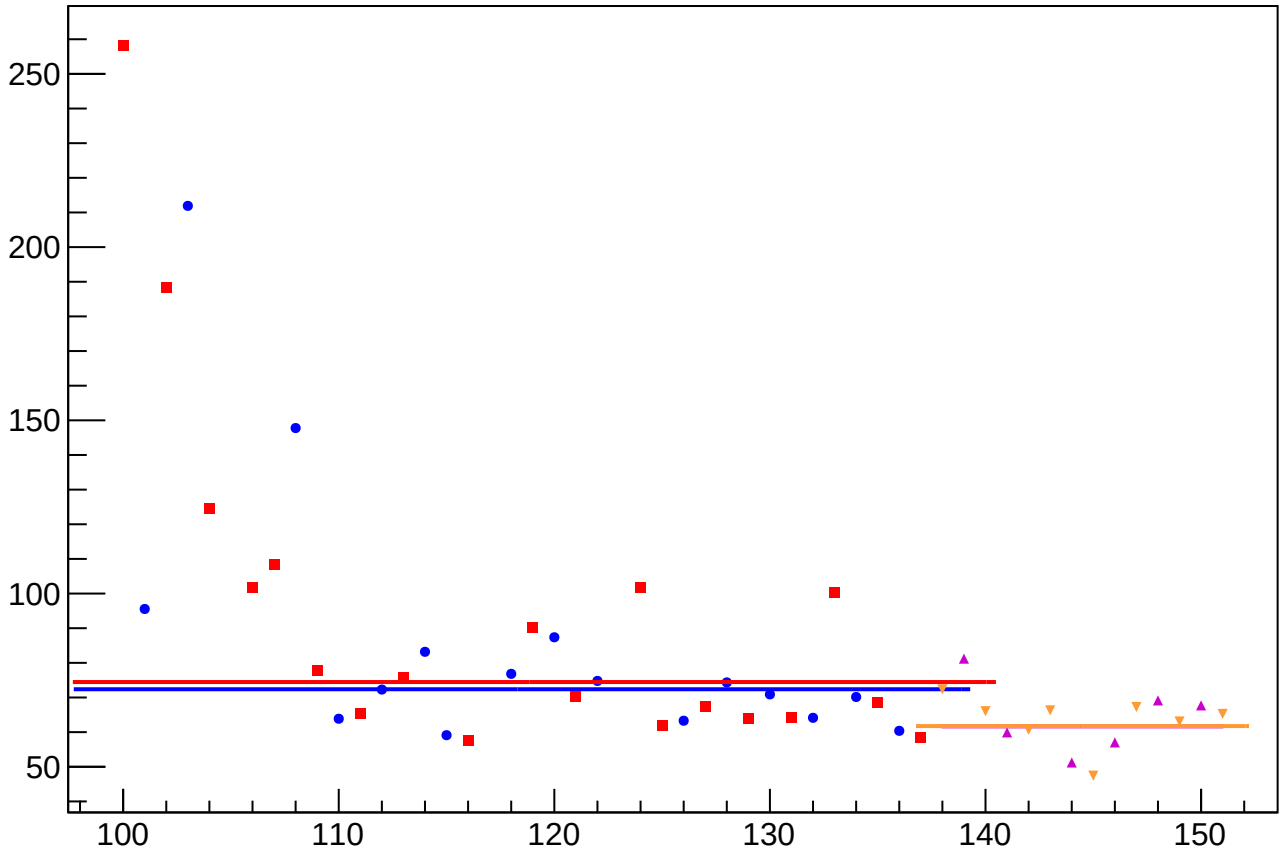
Left: -32.033+/-18.763 χ^2/NDF: 21.0/13

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -21.120+/-19.827 χ^2/NDF:36.1/21

Out: 22.222+/-19.103 χ^2/NDF:30.9/26

All: 1.356+/-13.757 χ^2/NDF: 69.5/48



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 61.748+/-0.018 χ^2/NDF:204172.3/7

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 61.663+/-0.020 χ^2/NDF:213803.4/5

Left: 61.709+/-0.013 χ^2/NDF: 417985.8/13

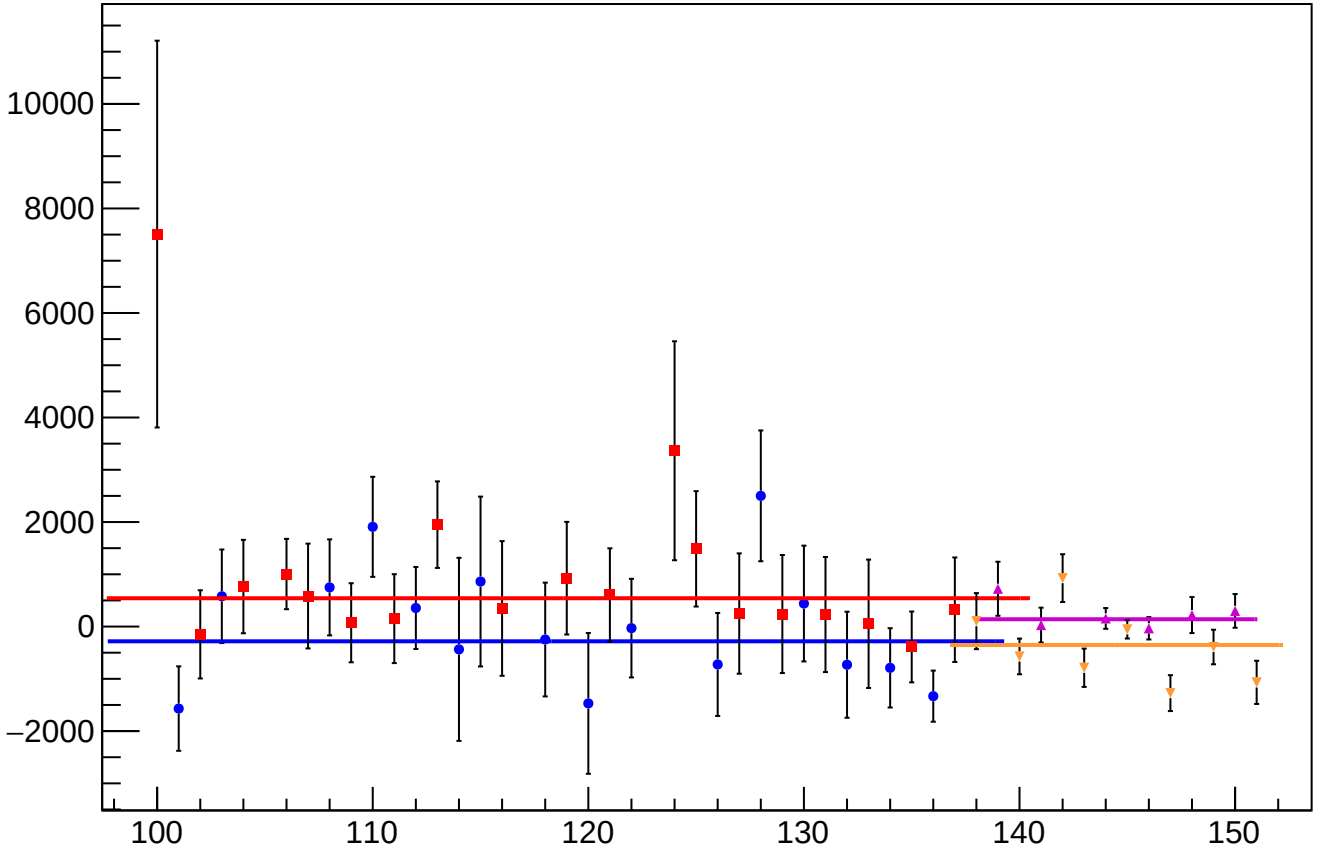
Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 66.916+/-0.014 χ^2/NDF:1297954.6/21

Out: 67.300+/-0.014 χ^2/NDF:1474425.8/26

All: 67.115+/-0.010 χ^2/NDF: 2772769.8/48

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -353.285+/-111.628 χ^2/NDF:23.5/7

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 140.176+/-113.228 χ^2/NDF:2.3/5

Left: -110.066+/-79.493 χ^2/NDF: 35.4/13

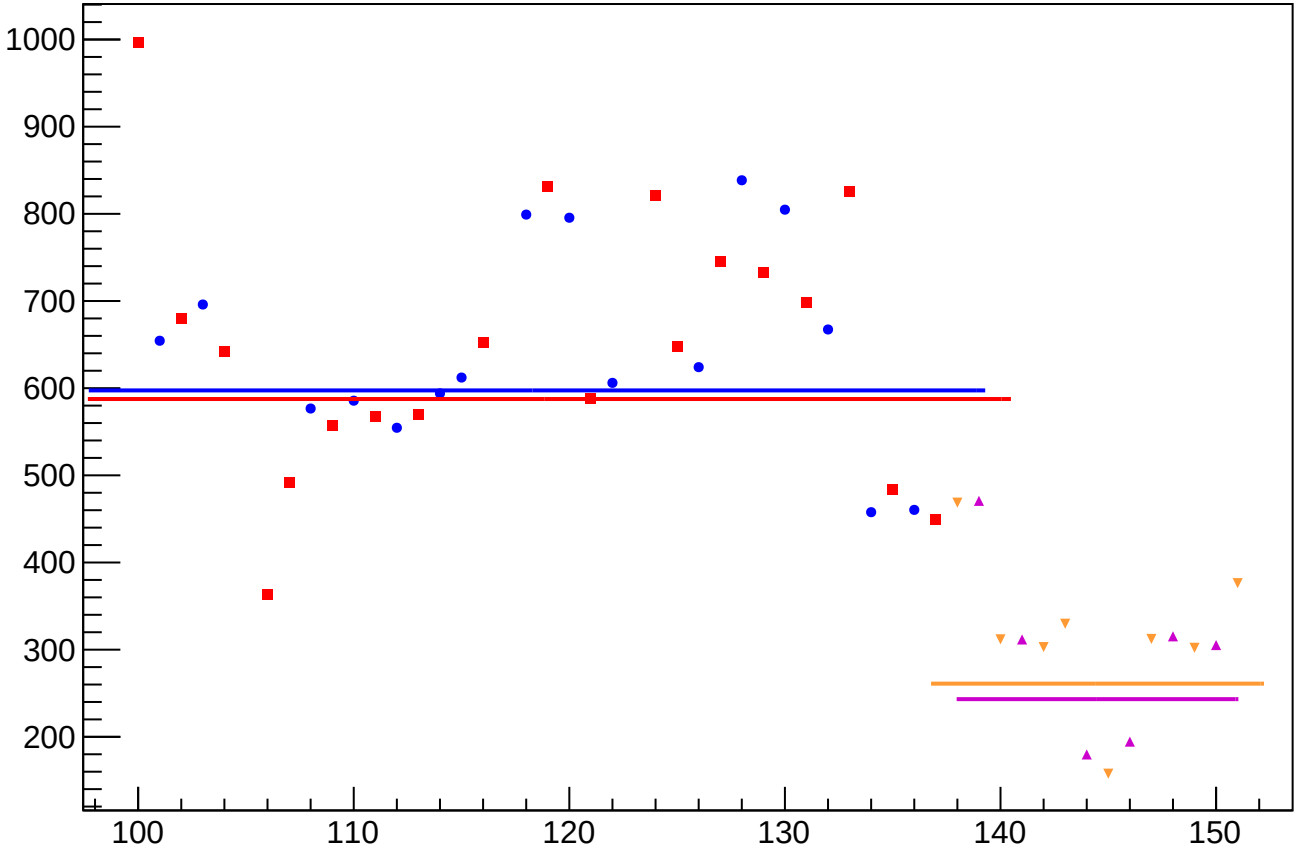
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 56.524+/-101.393 χ^2/NDF:27.9/21

Out: -171.169+/-99.630 χ^2/NDF:49.8/26

All: -59.319+/-71.064 χ^2/NDF: 80.3/48

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: 261.030+/-0.079 χ^2/NDF:1356176.5/7

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 243.240+/-0.080 χ^2/NDF:941121.1/5

Left: 252.262+/-0.056 χ^2/NDF: 2322335.2/13

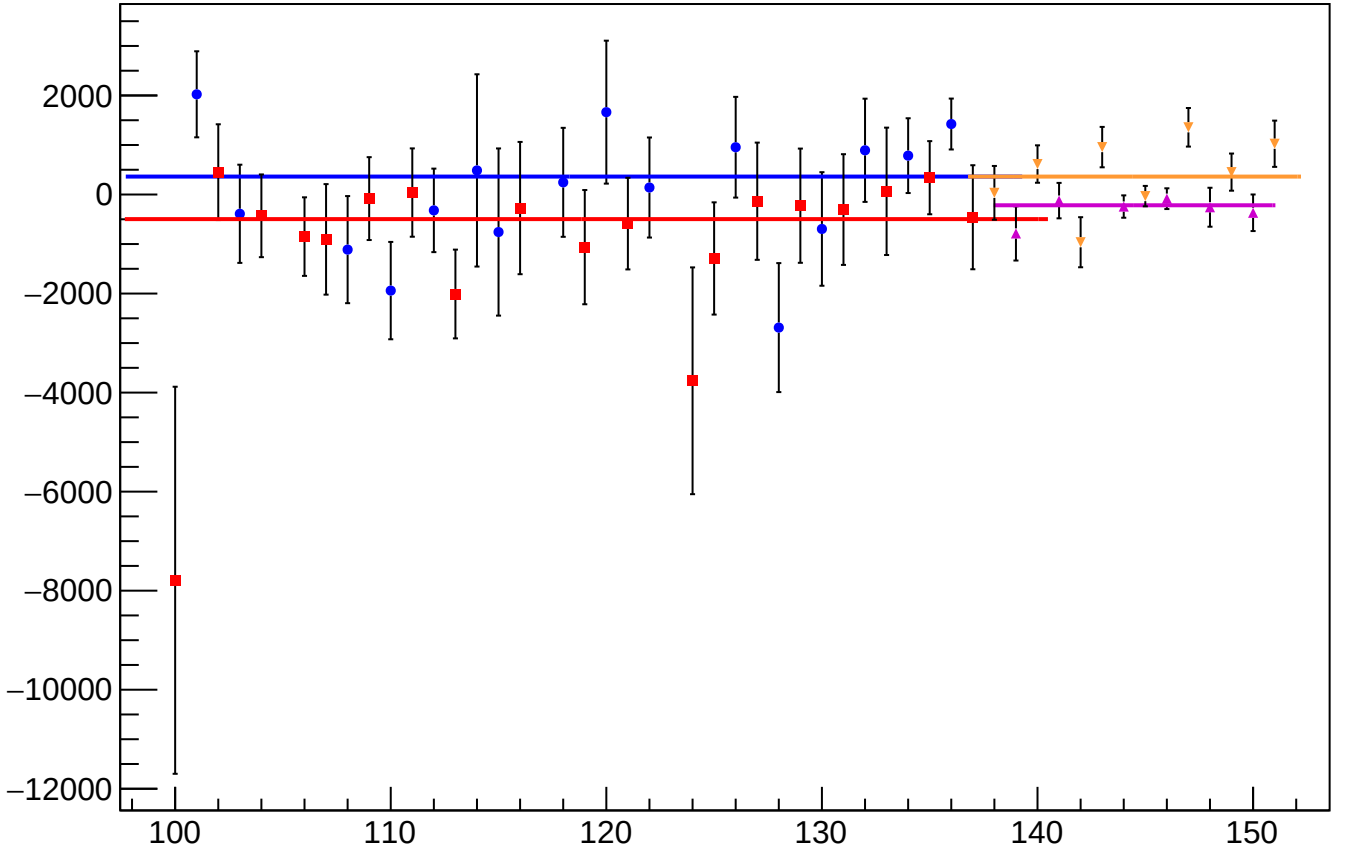
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 313.417+/-0.072 χ^2/NDF:5352491.1/21

Out: 327.451+/-0.070 χ^2/NDF:5526300.4/26

All: 320.557+/-0.050 χ^2/NDF: 10898285.4/48

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 362.084+/-126.839 χ^2/NDF:22.1/7

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -217.204+/-121.846 χ^2/NDF:1.7/5

Left: 60.815+/-87.870 χ^2/NDF: 34.7/13

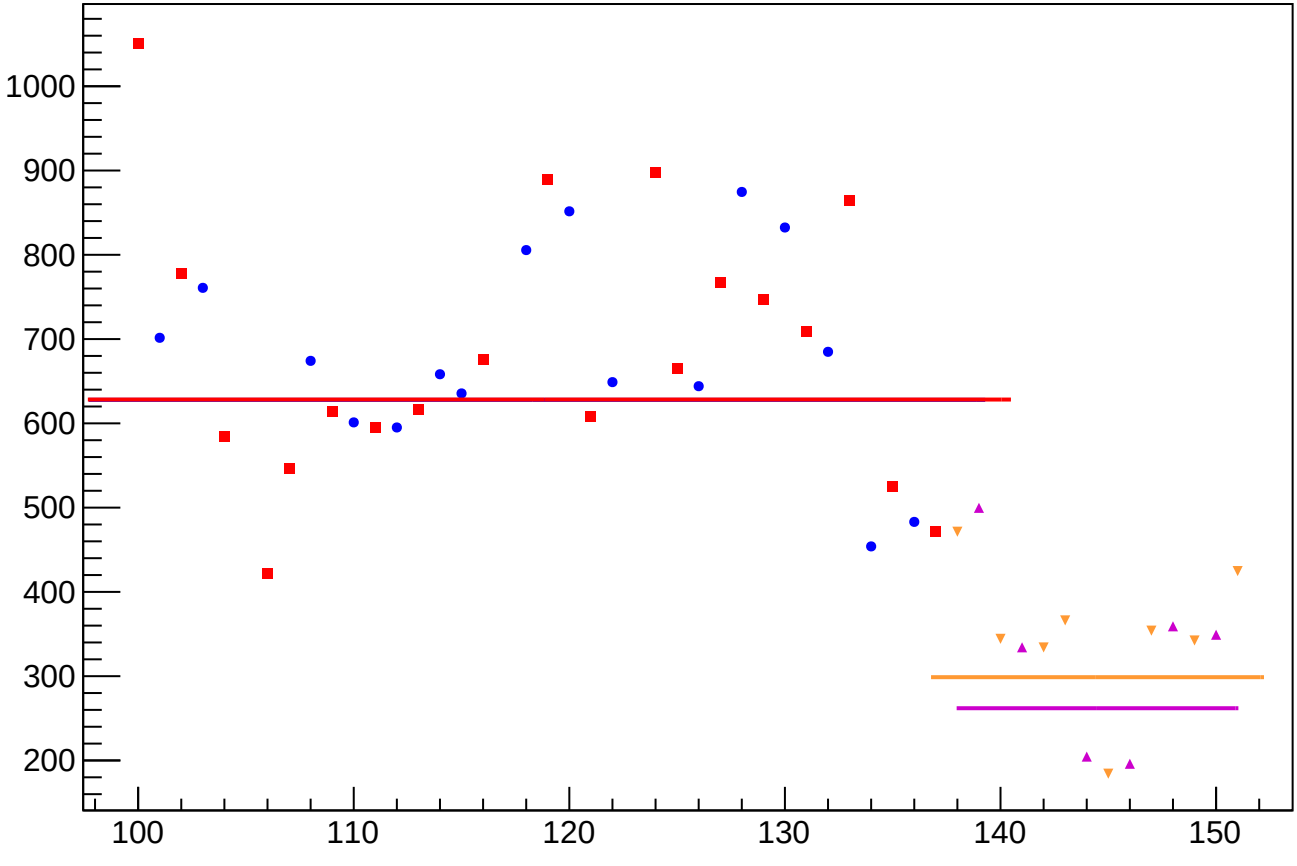
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -98.667+/-108.674 χ^2/NDF:31.4/21

Out: 169.665+/-111.728 χ^2/NDF:45.0/26

All: 31.782+/-77.901 χ^2/NDF: 79.4/48

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 298.803+/-0.090 χ^2/NDF:1125727.3/7

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 261.973+/-0.086 χ^2/NDF:1020186.3/5

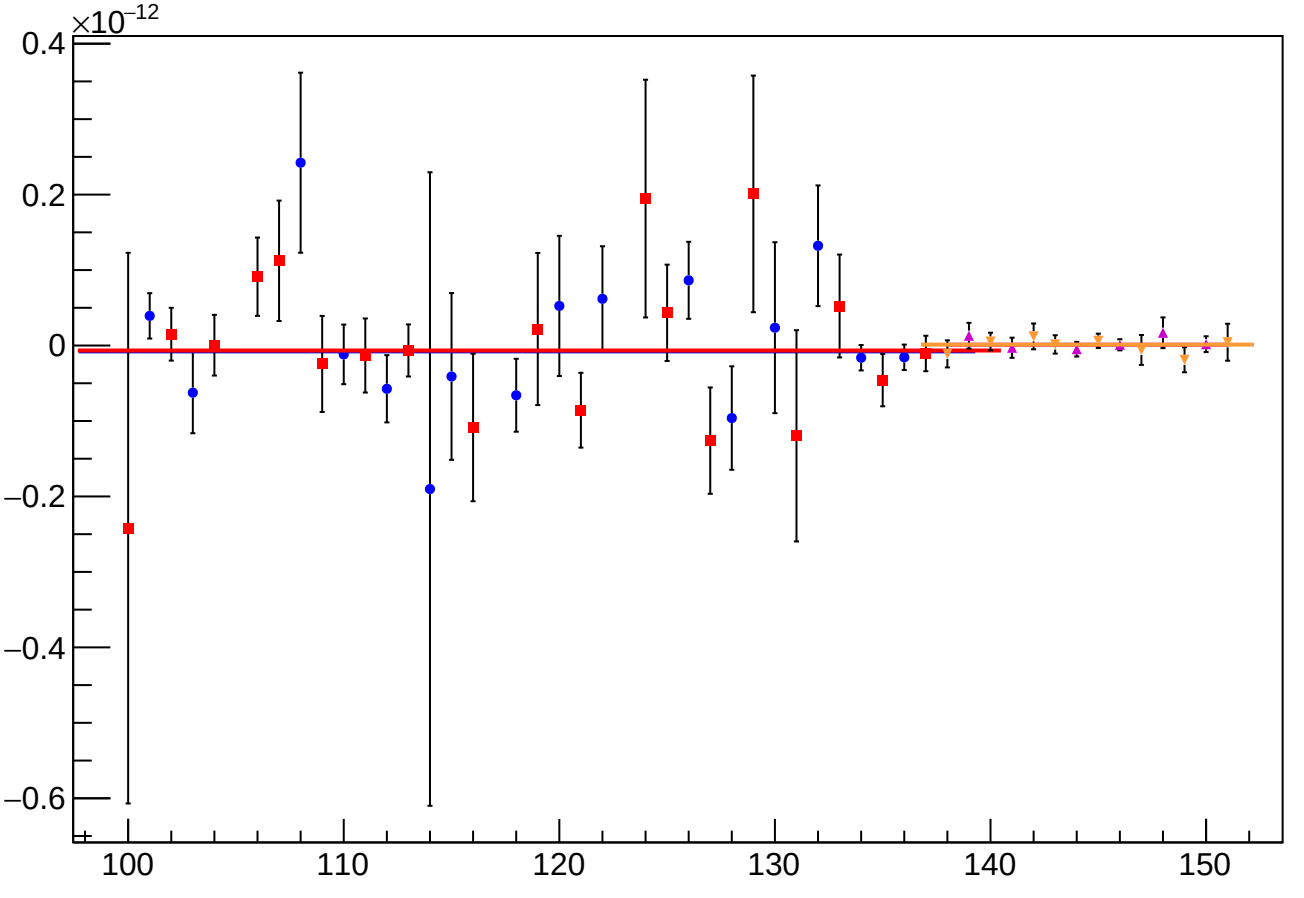
Left: 279.649+/-0.062 χ^2/NDF: 2233610.9/13

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 336.811+/-0.077 χ^2/NDF:5276082.8/21

Out: 372.624+/-0.079 χ^2/NDF:4720076.1/26

All: 354.221+/-0.055 χ^2/NDF: 10101746.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.6/5

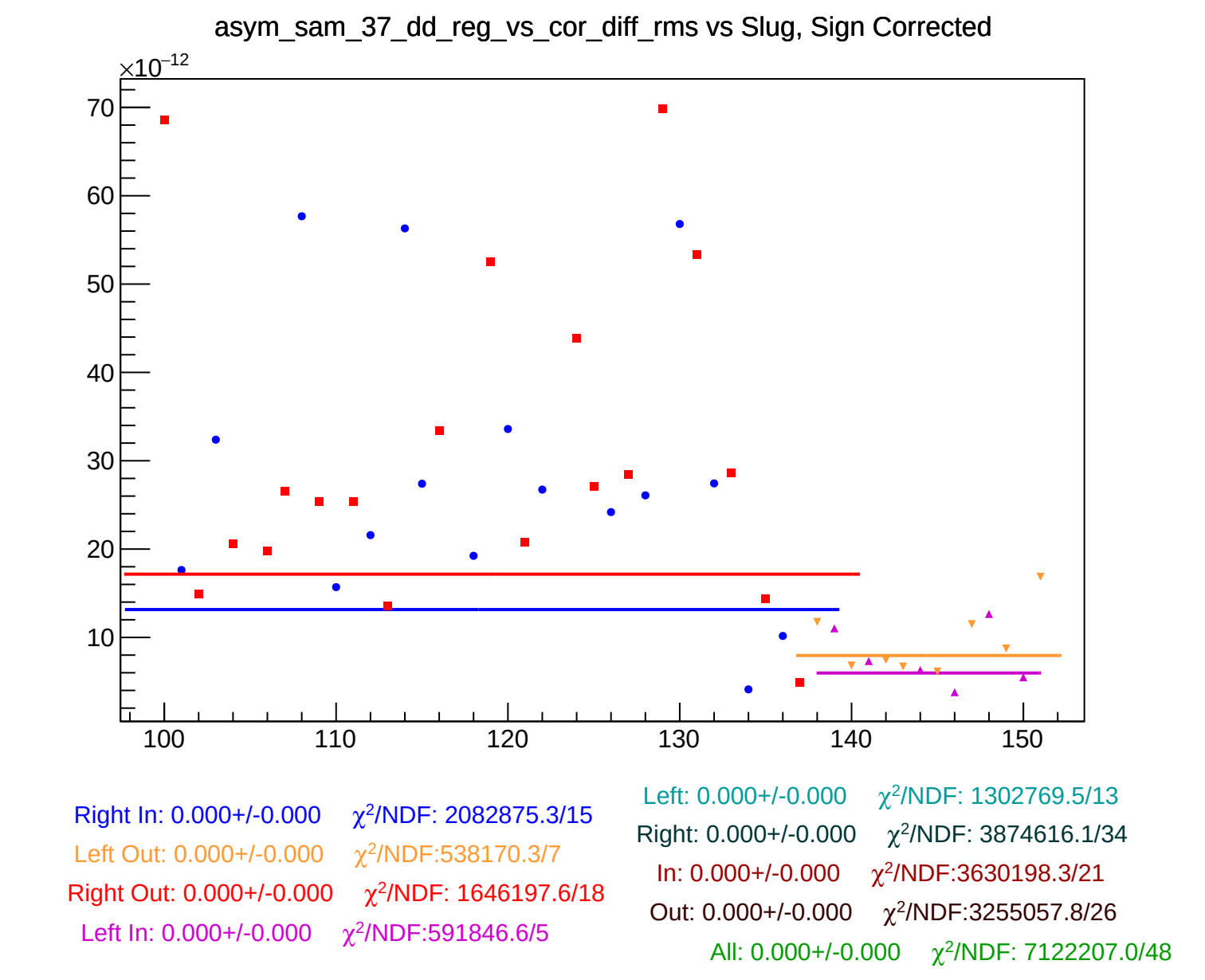
Left: 0.000+/-0.000 χ^2/NDF: 4.5/13

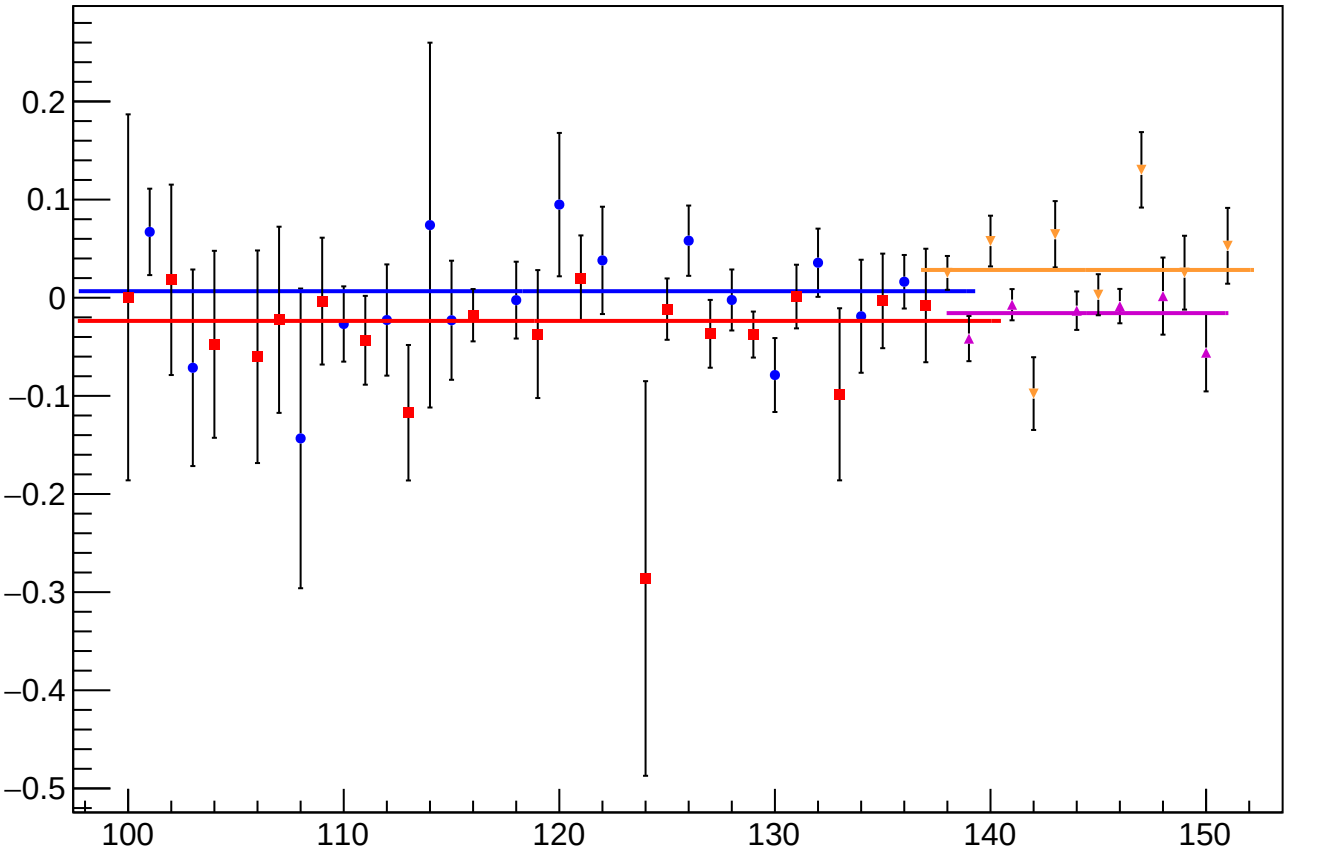
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:23.2/21

Out: -0.000+/-0.000 χ^2/NDF:23.3/26

All: -0.000+/-0.000 χ^2/NDF: 46.5/48


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:538170.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:591846.6/5
Left: 0.000+/-0.000 χ²/NDF: 1302769.5/13
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3630198.3/21
Out: 0.000+/-0.000 χ²/NDF:3255057.8/26
All: 0.000+/-0.000 χ²/NDF: 7122207.0/48



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.028+/-0.010 χ^2/NDF:23.0/7

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.016+/-0.009 χ^2/NDF:3.0/5

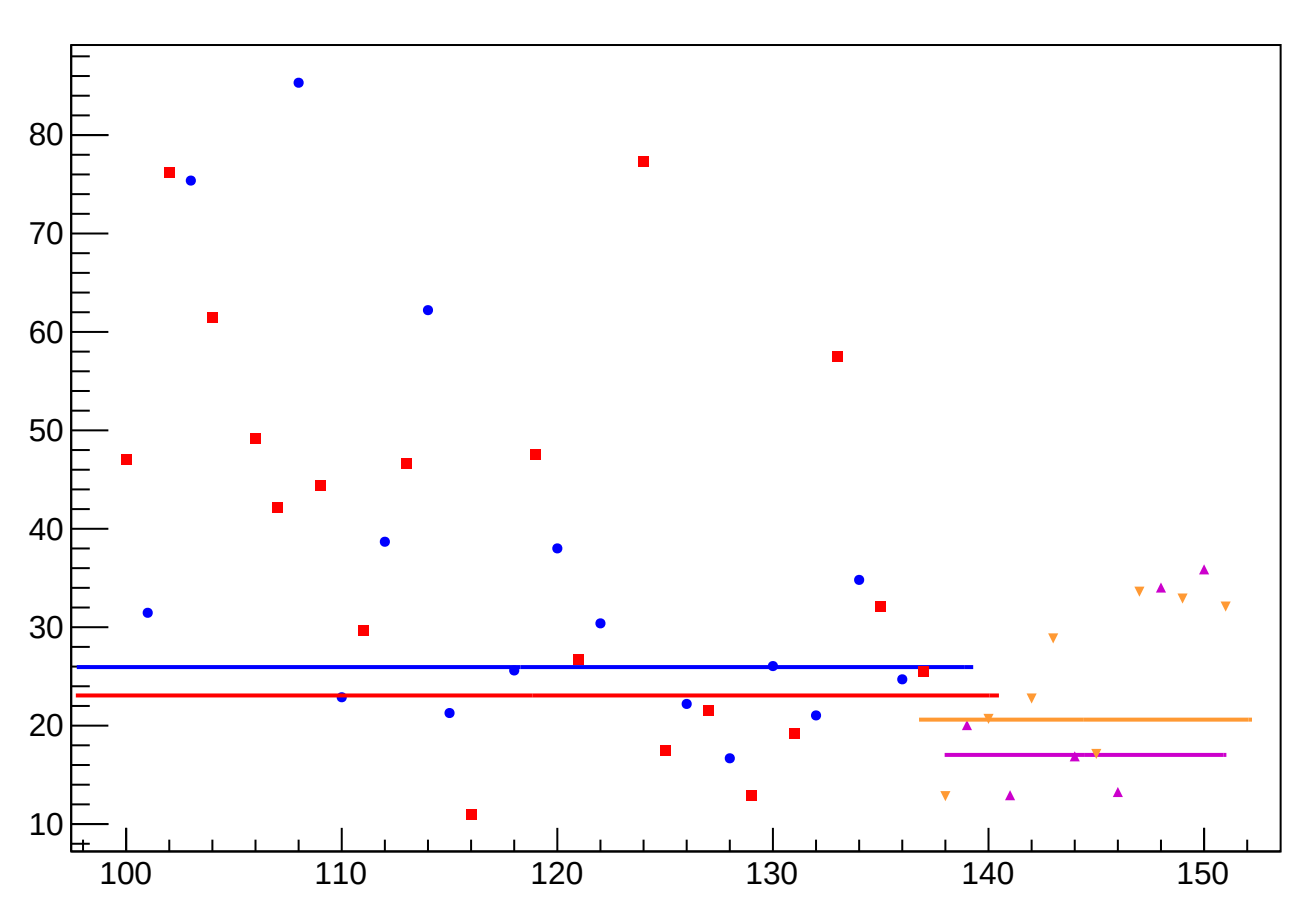
Left: 0.004+/-0.006 χ^2/NDF: 37.3/13

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.007+/-0.007 χ^2/NDF:20.5/21

Out: 0.005+/-0.007 χ^2/NDF:43.8/26

All: -0.001+/-0.005 χ^2/NDF: 65.6/48



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207053.4/7

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 17.027+/-0.006 χ^2/NDF:1090445.8/5

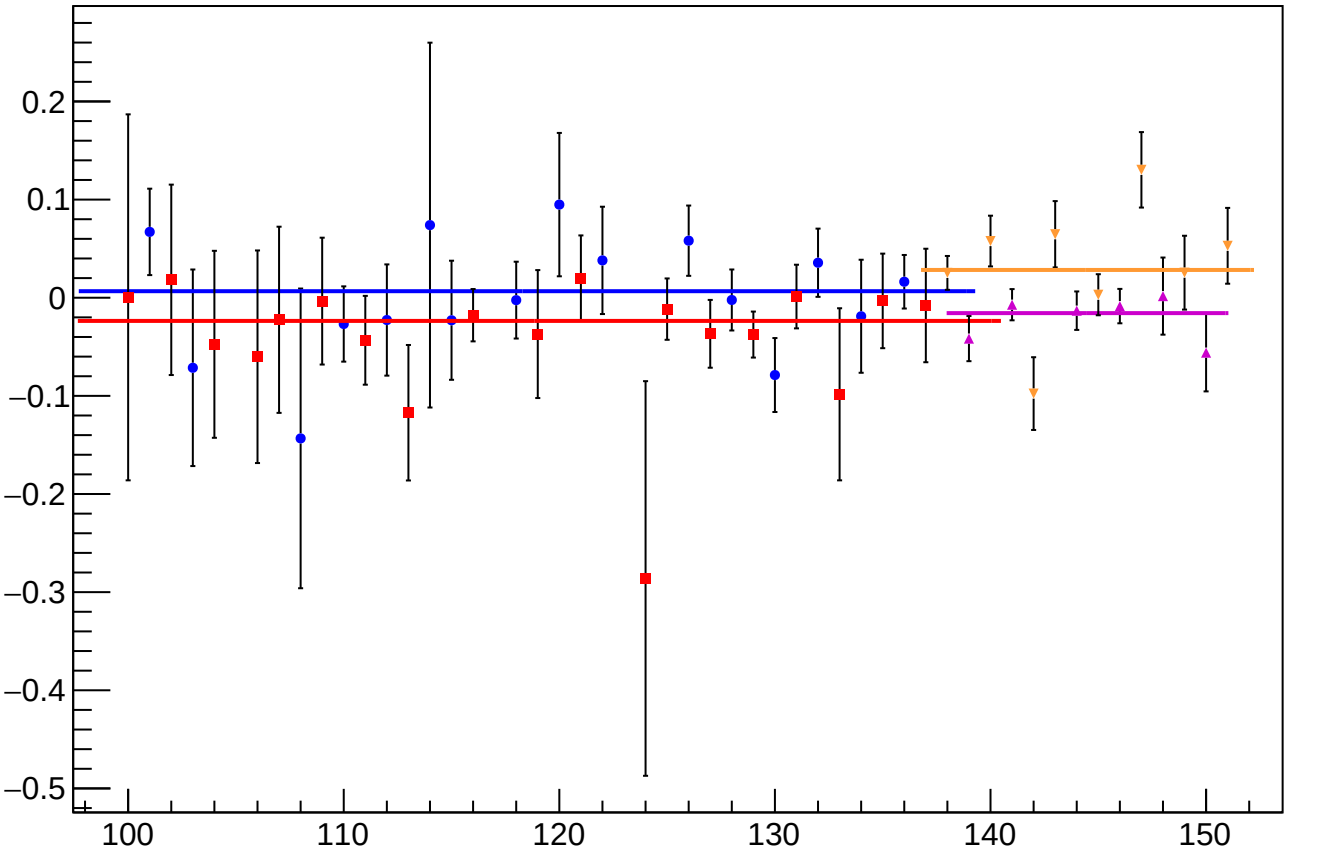
Left: 18.653+/-0.005 χ^2/NDF: 2448940.4/13

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.457+/-0.005 χ^2/NDF:3267547.3/21

Out: 21.730+/-0.005 χ^2/NDF:4627335.9/26

All: 21.075+/-0.003 χ^2/NDF: 7928061.4/48



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.028+/-0.010 χ^2/NDF:23.0/7

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.016+/-0.009 χ^2/NDF:3.0/5

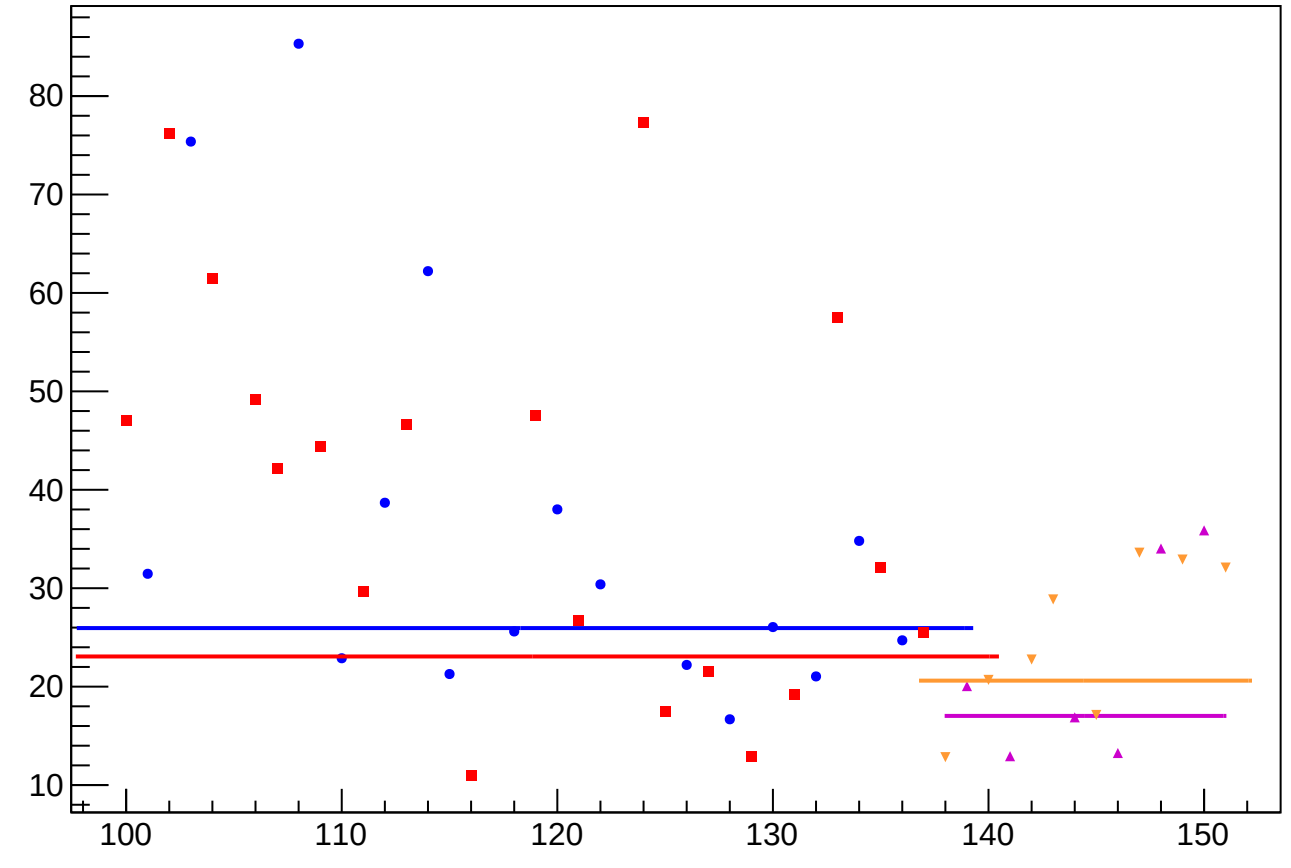
Left: 0.004+/-0.006 χ^2/NDF: 37.3/13

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.007+/-0.007 χ^2/NDF:20.5/21

Out: 0.005+/-0.007 χ^2/NDF:43.8/26

All: -0.001+/-0.005 χ^2/NDF: 65.6/48



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207053.4/7

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 17.027+/-0.006 χ^2/NDF:1090445.8/5

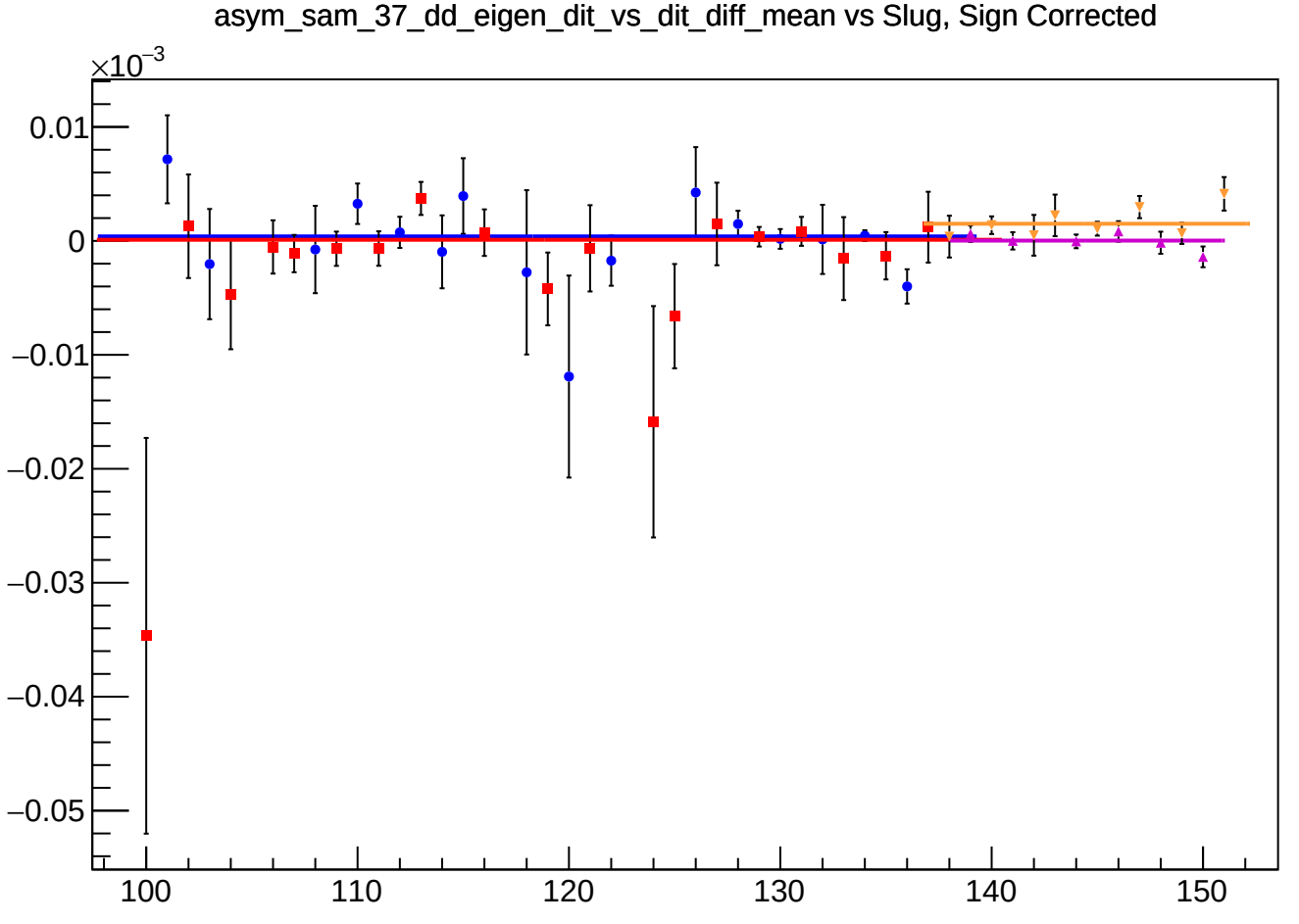
Left: 18.653+/-0.005 χ^2/NDF: 2448940.4/13

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.457+/-0.005 χ^2/NDF:3267547.3/21

Out: 21.730+/-0.005 χ^2/NDF:4627335.9/26

All: 21.075+/-0.003 χ^2/NDF: 7928061.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/5

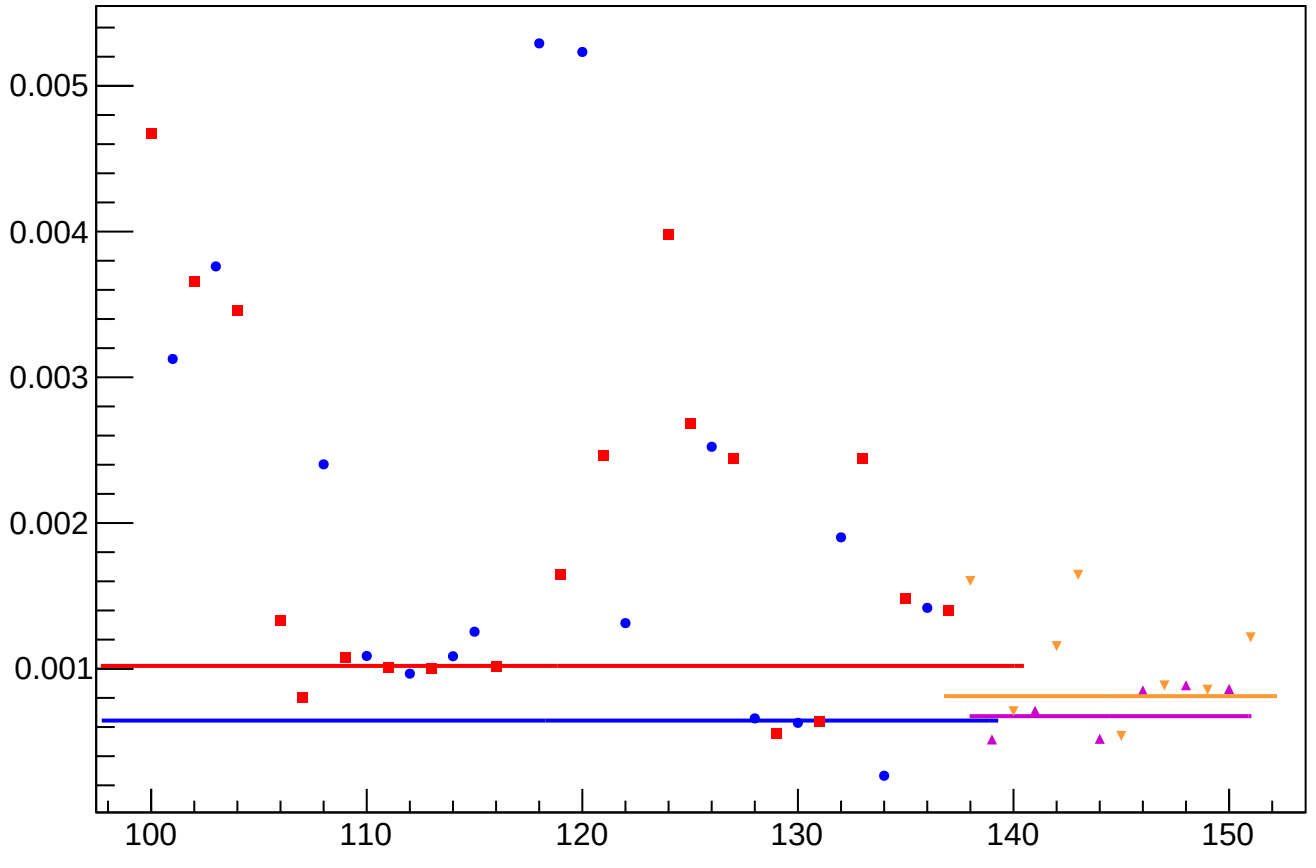
Left: 0.000+/-0.000 χ^2/NDF: 21.3/13

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:25.5/21

Out: 0.000+/-0.000 χ^2/NDF:34.1/26

All: 0.000+/-0.000 χ^2/NDF: 64.0/48



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1461476.2/7

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:494129.1/5

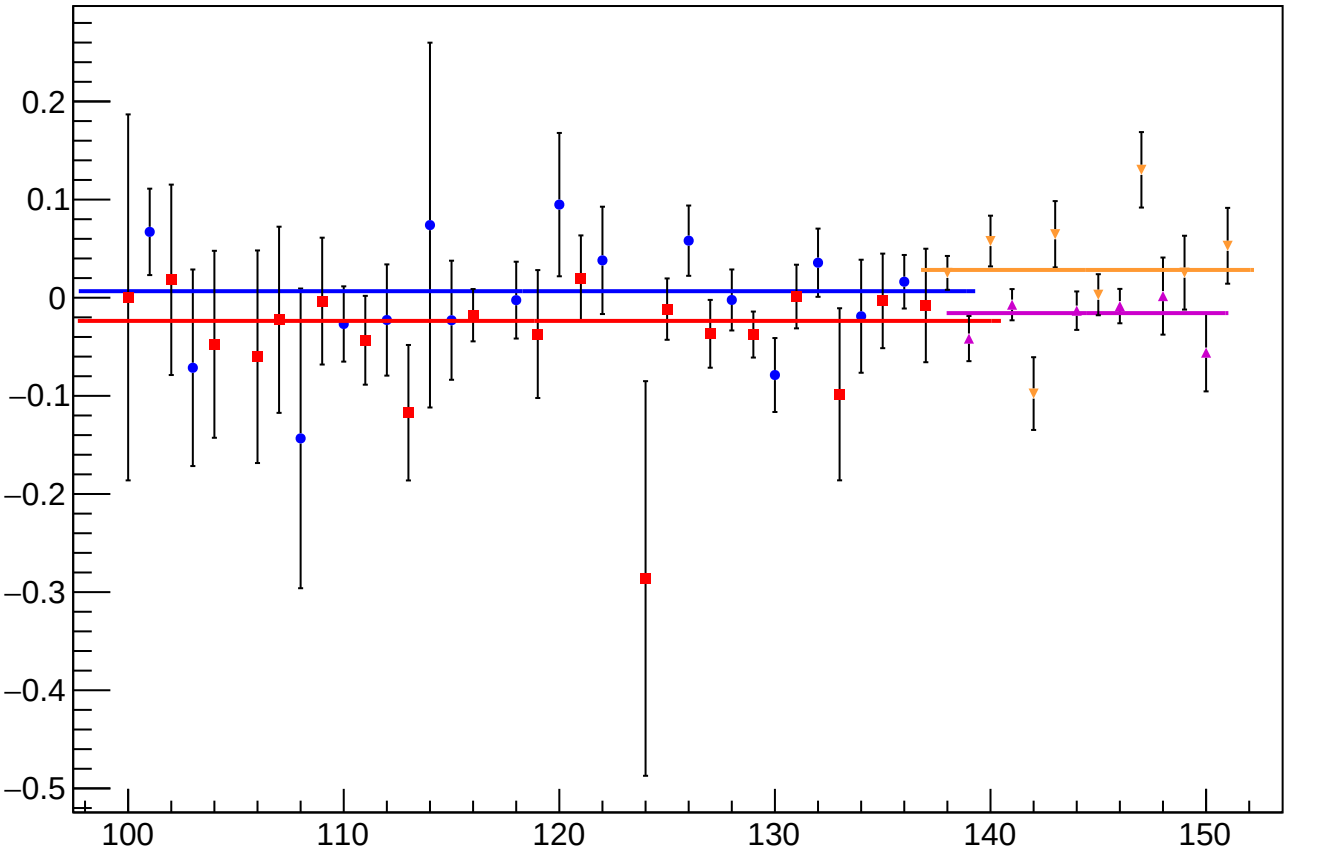
Left: 0.001+/-0.000 χ^2/NDF: 2122590.9/13

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:7078137.6/21

Out: 0.001+/-0.000 χ^2/NDF:5384981.6/26

All: 0.001+/-0.000 χ^2/NDF: 13275616.0/48



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.028+/-0.010 χ^2/NDF:23.0/7

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.016+/-0.009 χ^2/NDF:3.0/5

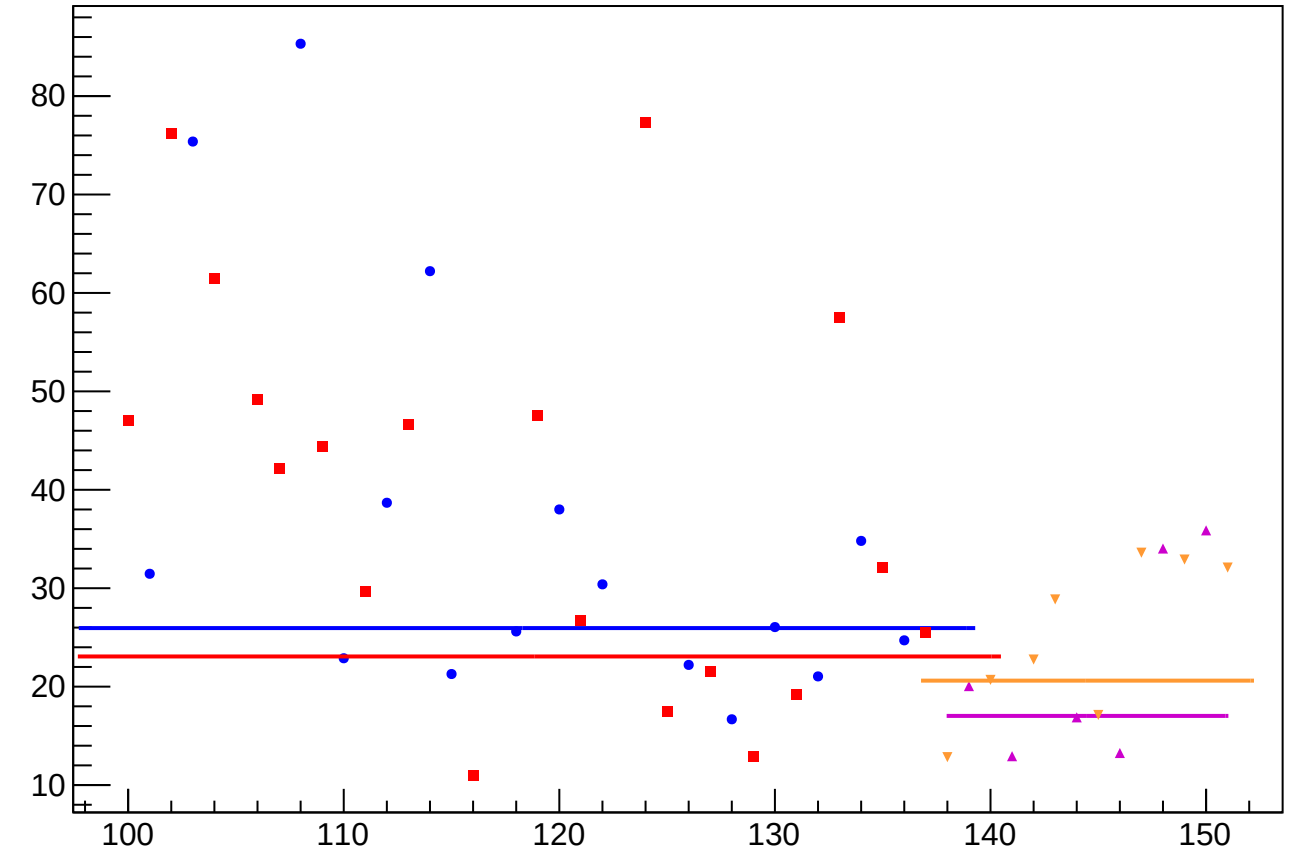
Left: 0.004+/-0.006 χ^2/NDF: 37.3/13

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.007+/-0.007 χ^2/NDF:20.5/21

Out: 0.005+/-0.007 χ^2/NDF:43.8/26

All: -0.001+/-0.005 χ^2/NDF: 65.6/48



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207096.7/7

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.027+/-0.006 χ^2/NDF:1090444.1/5

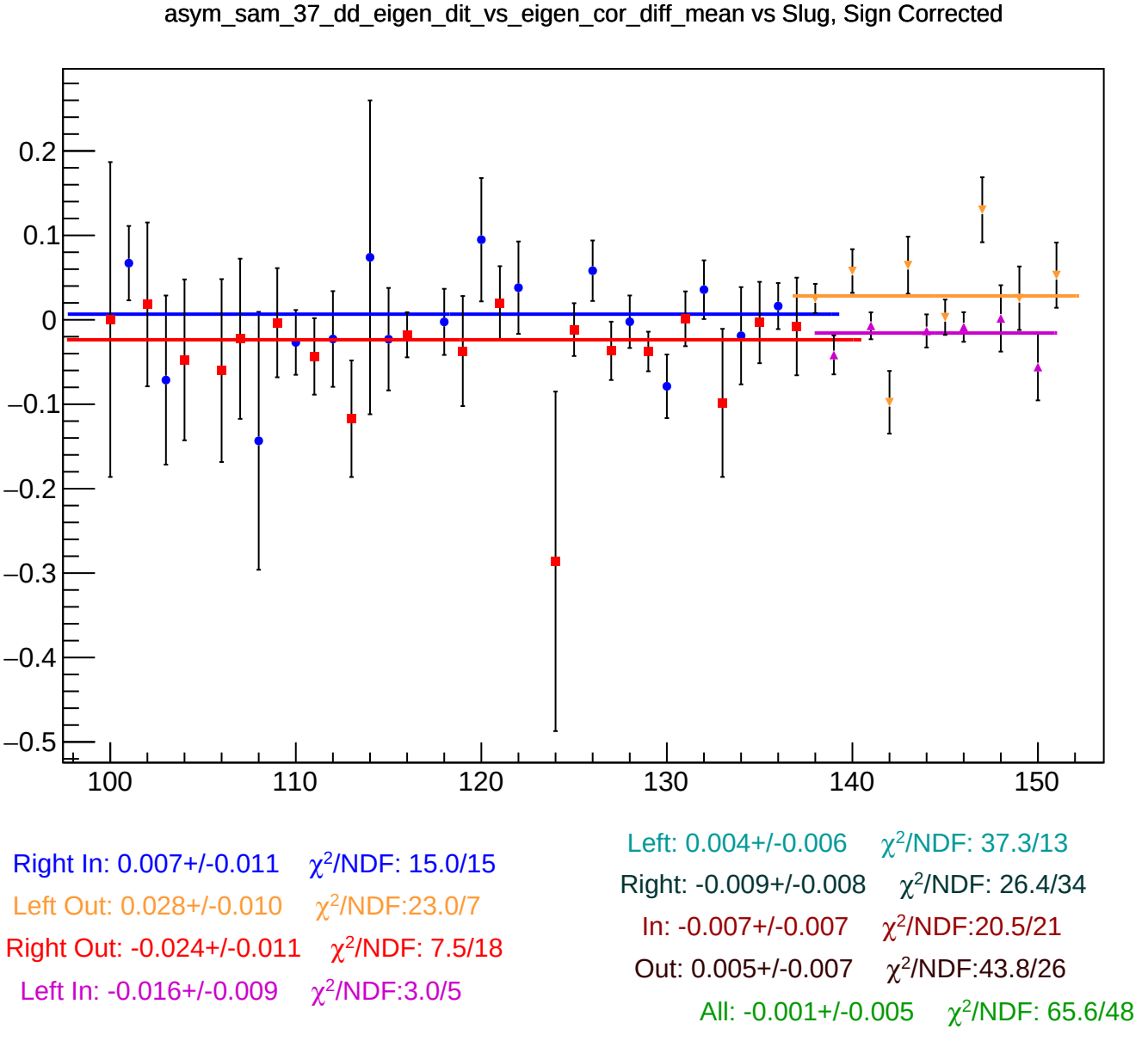
Left: 18.653+/-0.005 χ^2/NDF: 2449015.8/13

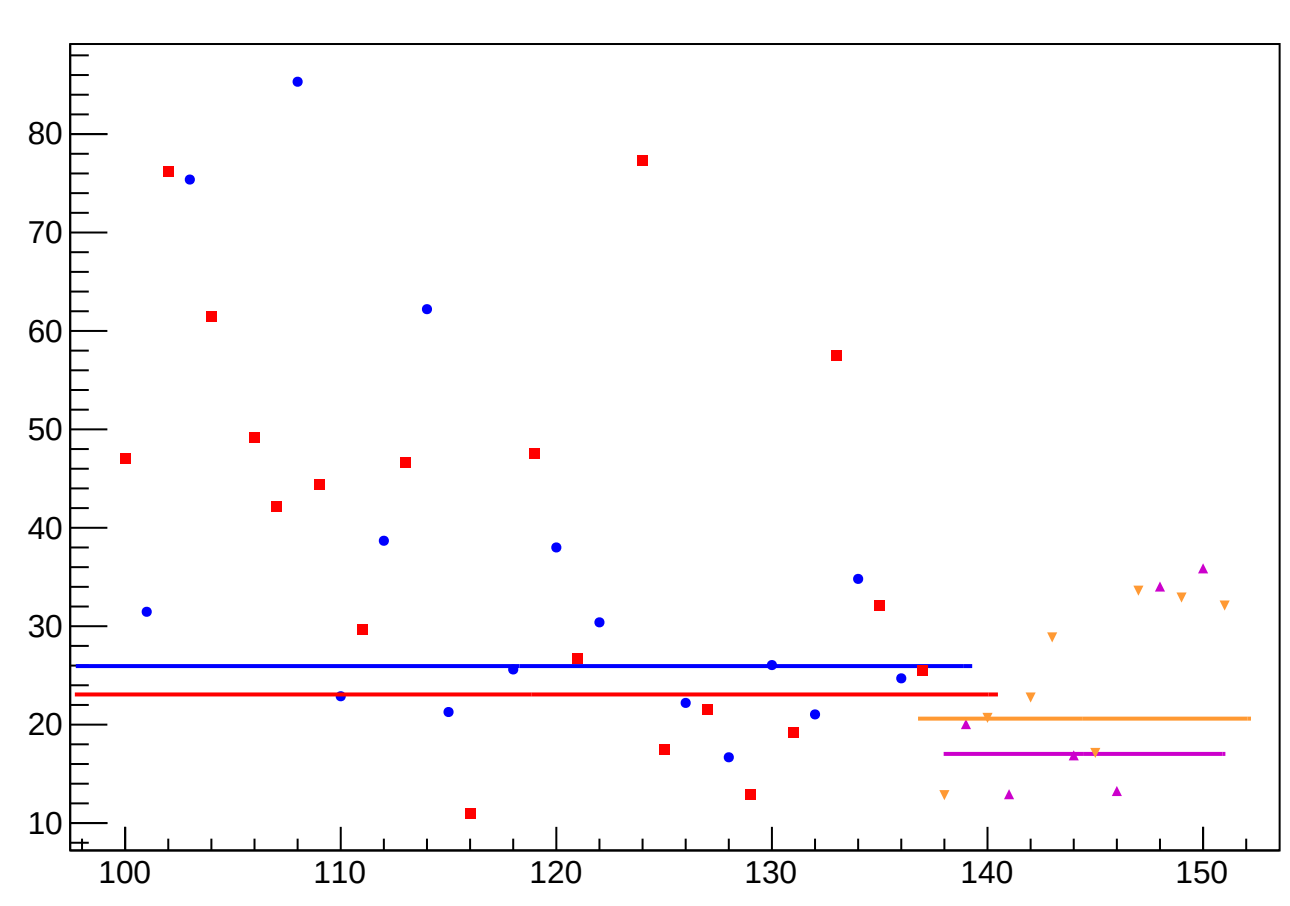
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.457+/-0.005 χ^2/NDF:3267544.6/21

Out: 21.731+/-0.005 χ^2/NDF:4627209.5/26

All: 21.075+/-0.003 χ^2/NDF: 7927951.0/48


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.007+/-0.011 χ²/NDF: 15.0/15
Left Out: 0.028+/-0.010 χ²/NDF:23.0/7
Right Out: -0.024+/-0.011 χ²/NDF: 7.5/18
Left In: -0.016+/-0.009 χ²/NDF:3.0/5
Left: 0.004+/-0.006 χ²/NDF: 37.3/13
Right: -0.009+/-0.008 χ²/NDF: 26.4/34
In: -0.007+/-0.007 χ²/NDF:20.5/21
Out: 0.005+/-0.007 χ²/NDF:43.8/26
All: -0.001+/-0.005 χ²/NDF: 65.6/48



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207096.7/7

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.027+/-0.006 χ^2/NDF:1090444.1/5

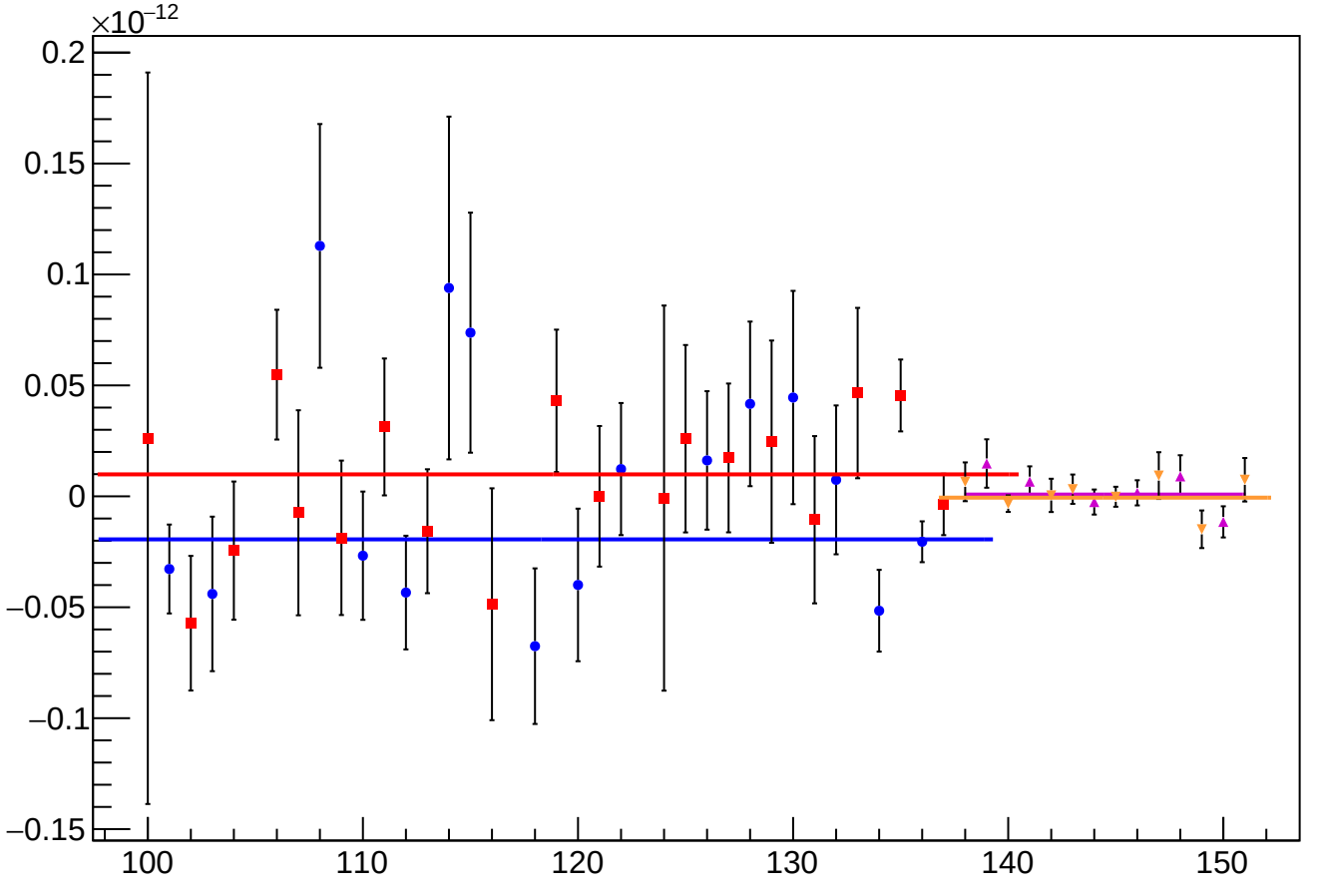
Left: 18.653+/-0.005 χ^2/NDF: 2449015.8/13

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.457+/-0.005 χ^2/NDF:3267544.6/21

Out: 21.731+/-0.005 χ^2/NDF:4627209.5/26

All: 21.075+/-0.003 χ^2/NDF: 7927951.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/5

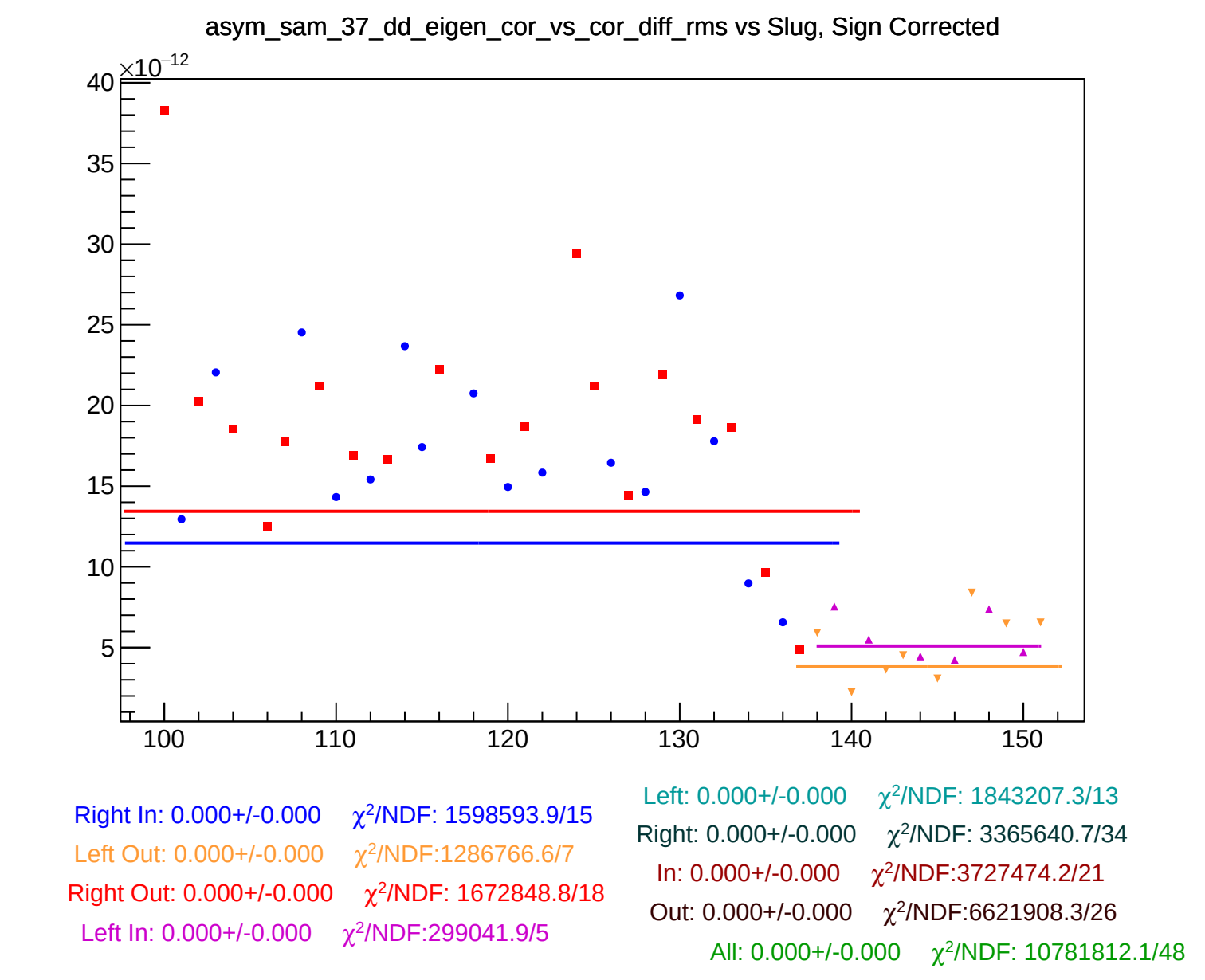
Left: -0.000+/-0.000 χ^2/NDF: 12.6/13

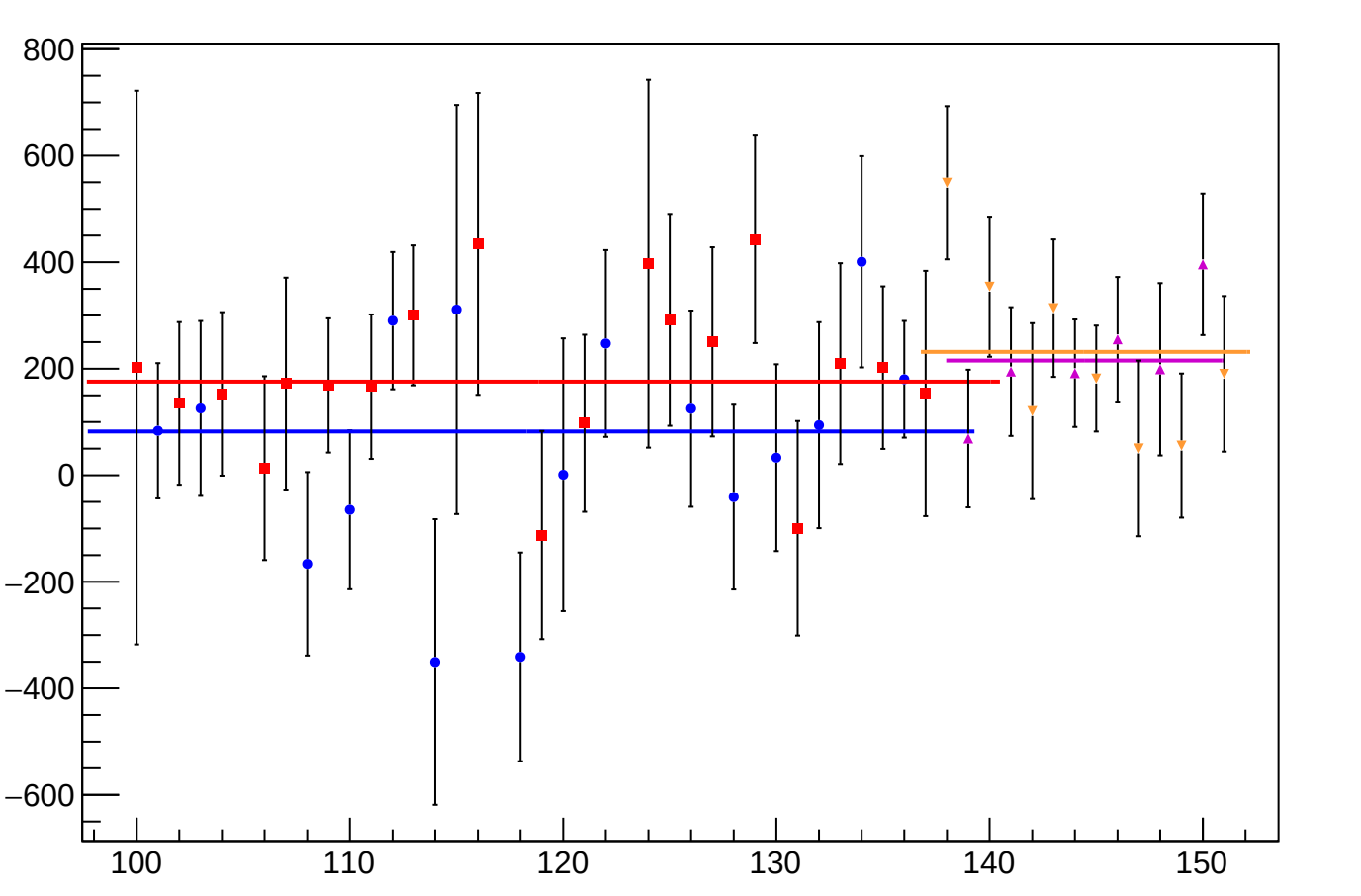
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:41.4/21

Out: 0.000+/-0.000 χ^2/NDF:28.5/26

All: -0.000+/-0.000 χ^2/NDF: 70.8/48


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1286766.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:299041.9/5
Left: 0.000+/-0.000 χ²/NDF: 1843207.3/13
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:3727474.2/21
Out: 0.000+/-0.000 χ²/NDF:6621908.3/26
All: 0.000+/-0.000 χ²/NDF: 10781812.1/48



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.632+/-47.547 χ^2/NDF:9.8/7

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 215.357+/-50.341 χ^2/NDF:3.3/5

Left: 223.959+/-34.567 χ^2/NDF: 13.2/13

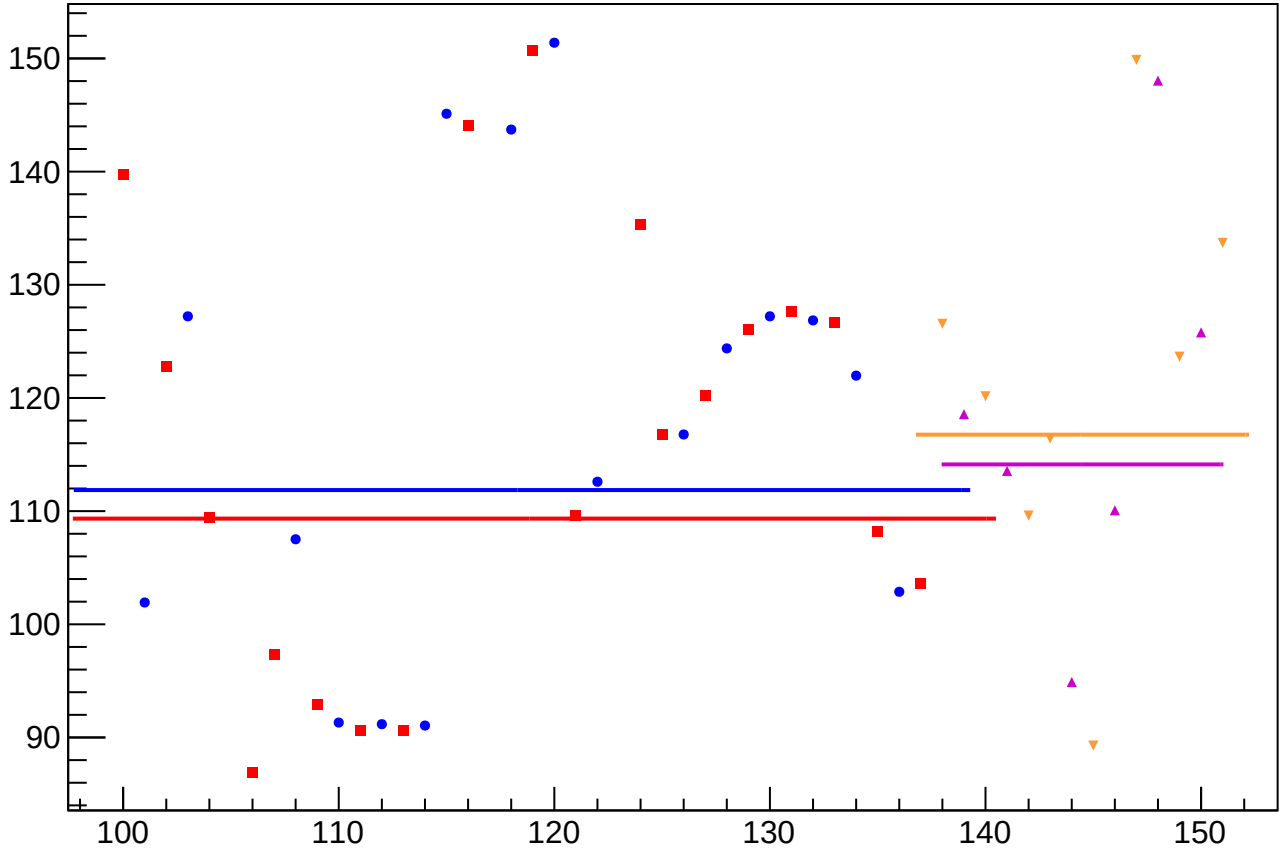
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 137.050+/-32.310 χ^2/NDF:25.8/21

Out: 199.352+/-30.907 χ^2/NDF:20.5/26

All: 169.583+/-22.334 χ^2/NDF: 48.3/48

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 116.759+/-0.034 χ^2/NDF:279767.7/7

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 114.128+/-0.036 χ^2/NDF:180743.1/5

Left: 115.518+/-0.024 χ^2/NDF: 463397.4/13

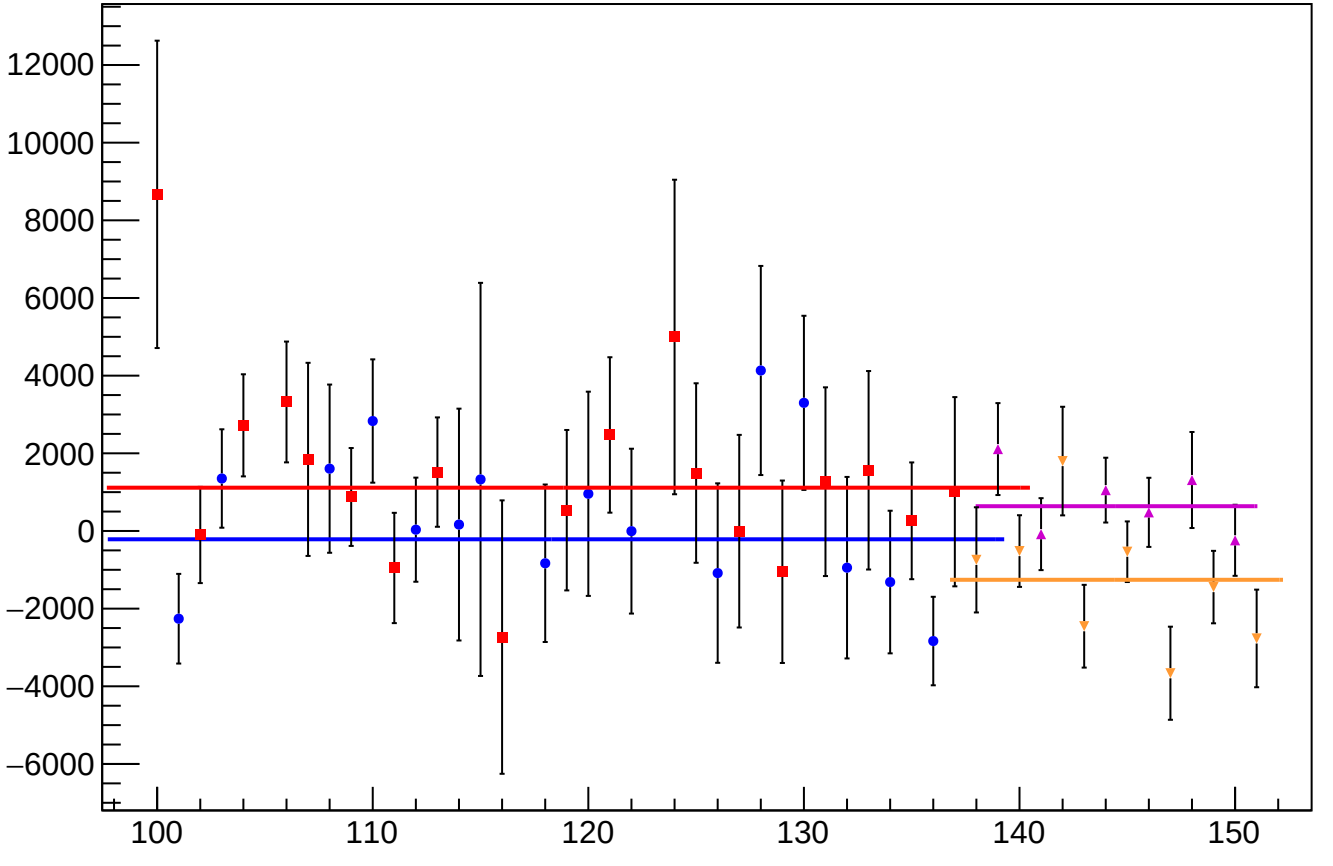
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 112.795+/-0.023 χ^2/NDF:489149.5/21

Out: 112.475+/-0.022 χ^2/NDF:675099.9/26

All: 112.628+/-0.016 χ^2/NDF: 1164352.2/48

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1257.227+/-371.885 χ^2/NDF:13.2/7

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 637.828+/-394.522 χ^2/NDF:3.6/5

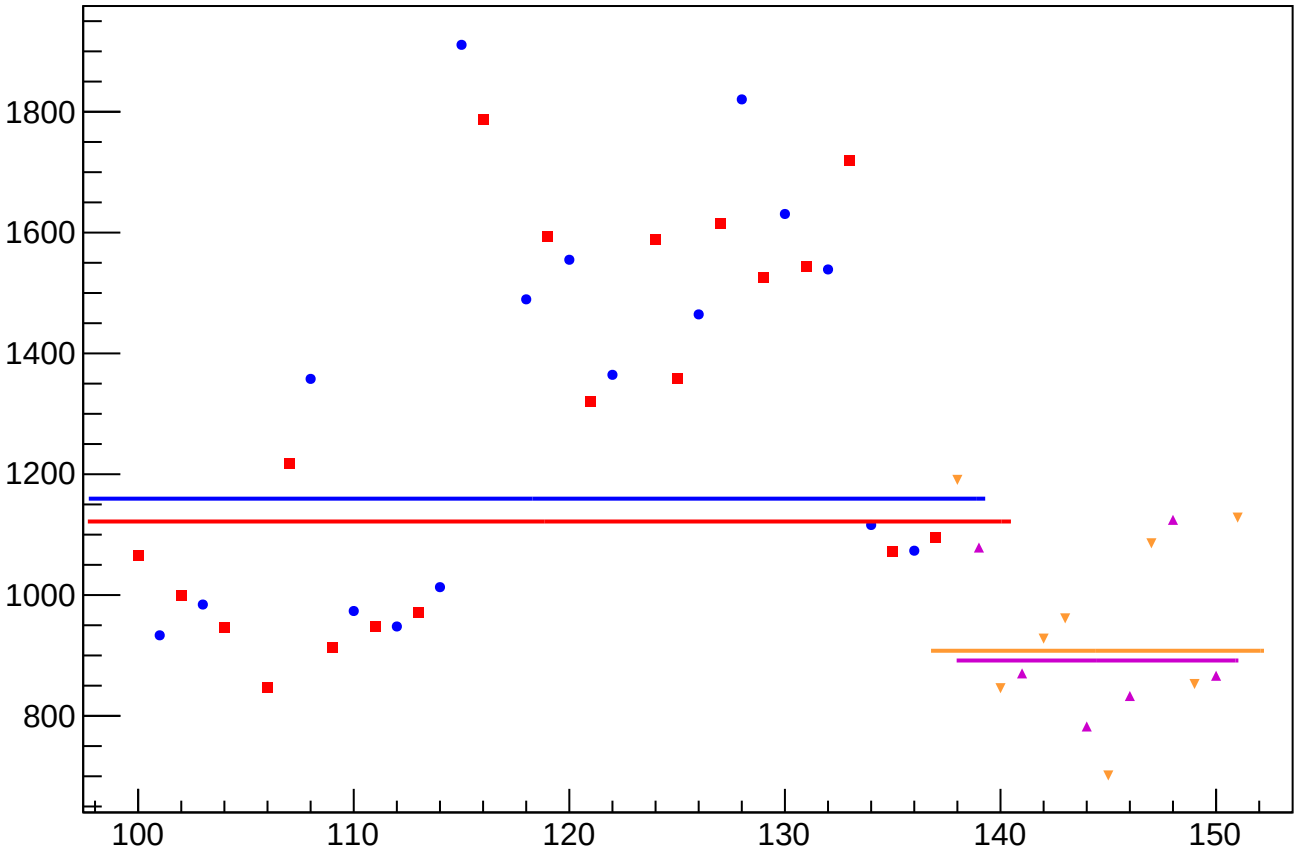
Left: -365.625+/-270.611 χ^2/NDF: 29.1/13

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 261.885+/-294.906 χ^2/NDF:26.1/21

Out: -223.271+/-279.306 χ^2/NDF:45.5/26

All: 6.136+/-202.790 χ^2/NDF: 73.0/48



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 907.789+/-0.263 χ^2/NDF:354170.2/7

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 891.649+/-0.279 χ^2/NDF:166384.1/5

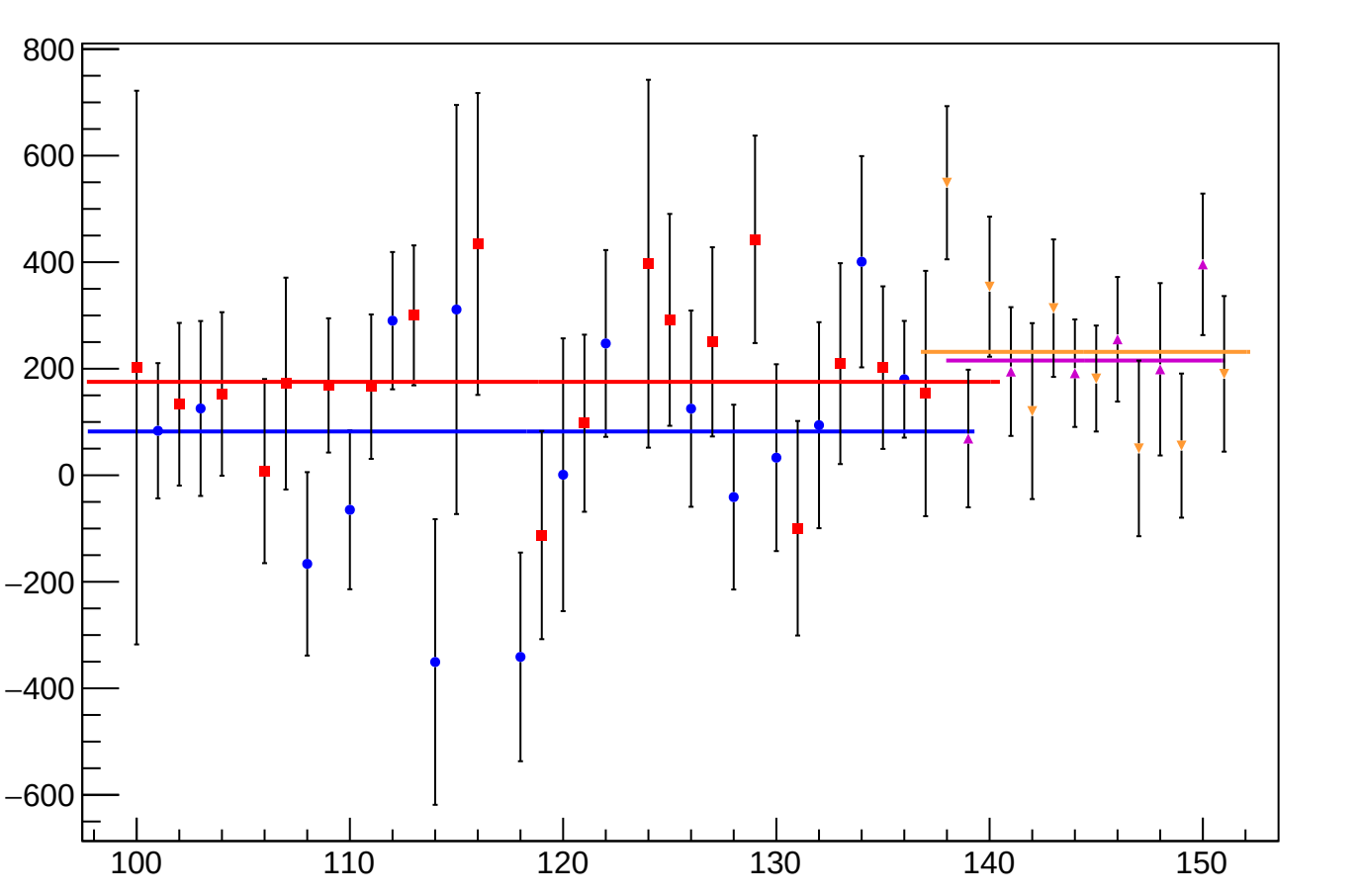
Left: 900.195+/-0.191 χ^2/NDF: 522326.8/13

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1009.865+/-0.209 χ^2/NDF:1257051.6/21

Out: 1001.058+/-0.197 χ^2/NDF:1425040.2/26

All: 1005.223+/-0.143 χ^2/NDF: 2683032.0/48



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.642+/-47.547 χ^2/NDF:9.8/7

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 215.362+/-50.341 χ^2/NDF:3.3/5

Left: 223.966+/-34.567 χ^2/NDF: 13.2/13

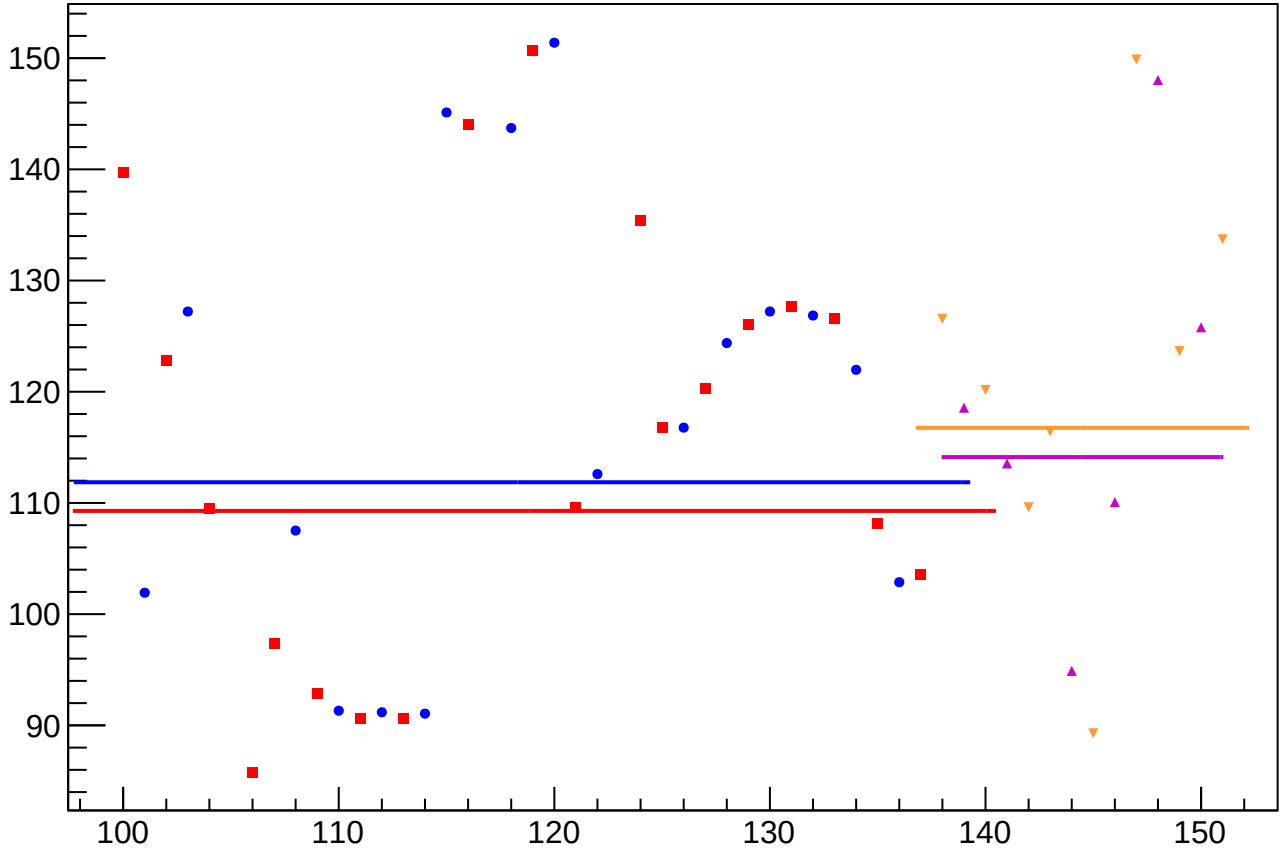
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 137.045+/-32.310 χ^2/NDF:25.8/21

Out: 199.133+/-30.910 χ^2/NDF:20.6/26

All: 169.463+/-22.335 χ^2/NDF: 48.3/48

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 116.759+/-0.034 χ^2/NDF:279767.7/7

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 114.128+/-0.036 χ^2/NDF:180743.1/5

Left: 115.518+/-0.024 χ^2/NDF: 463397.4/13

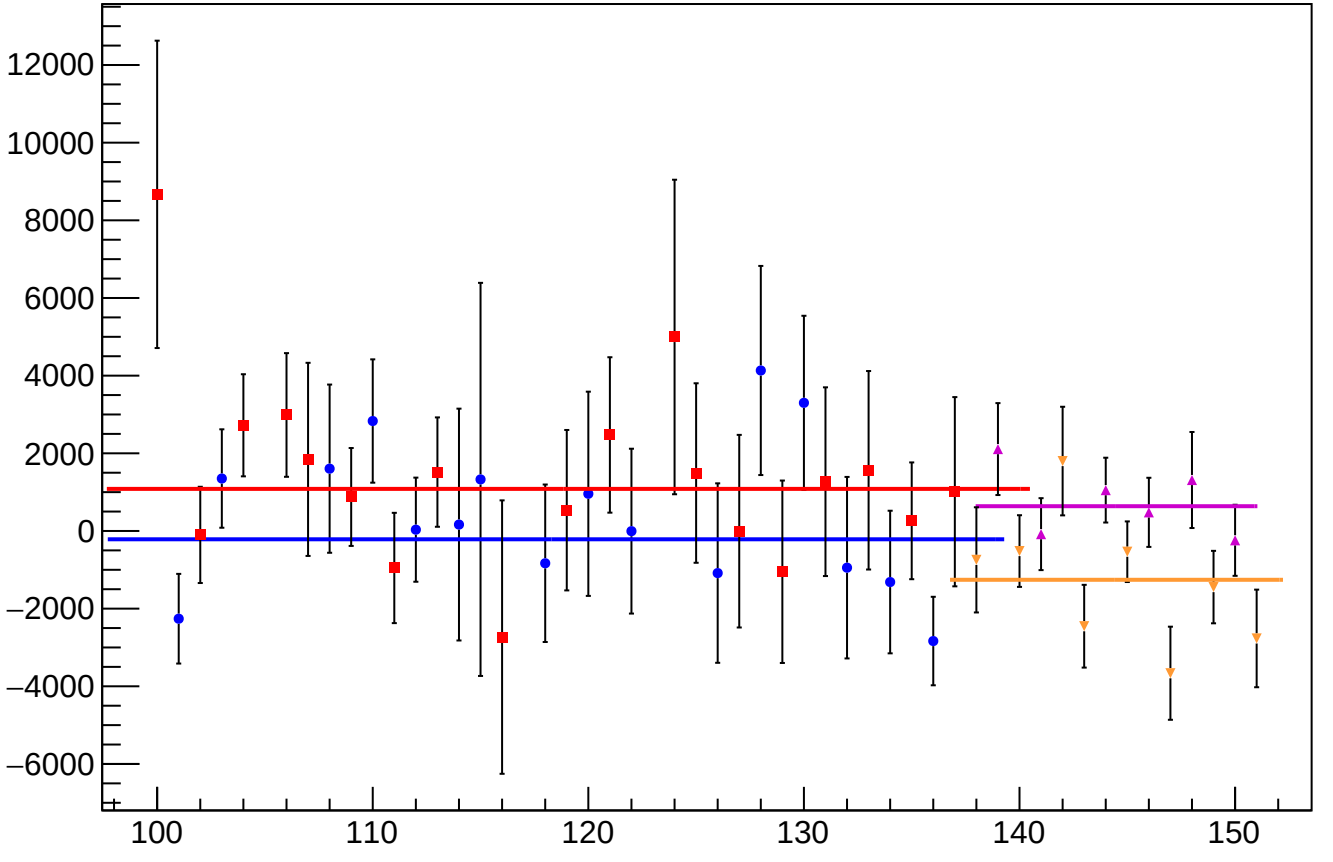
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 112.795+/-0.023 χ^2/NDF:489150.6/21

Out: 112.443+/-0.022 χ^2/NDF:679015.3/26

All: 112.611+/-0.016 χ^2/NDF: 1168290.2/48

asym_sam_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1257.219+/-371.885 χ^2/NDF:13.2/7

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 637.838+/-394.522 χ^2/NDF:3.6/5

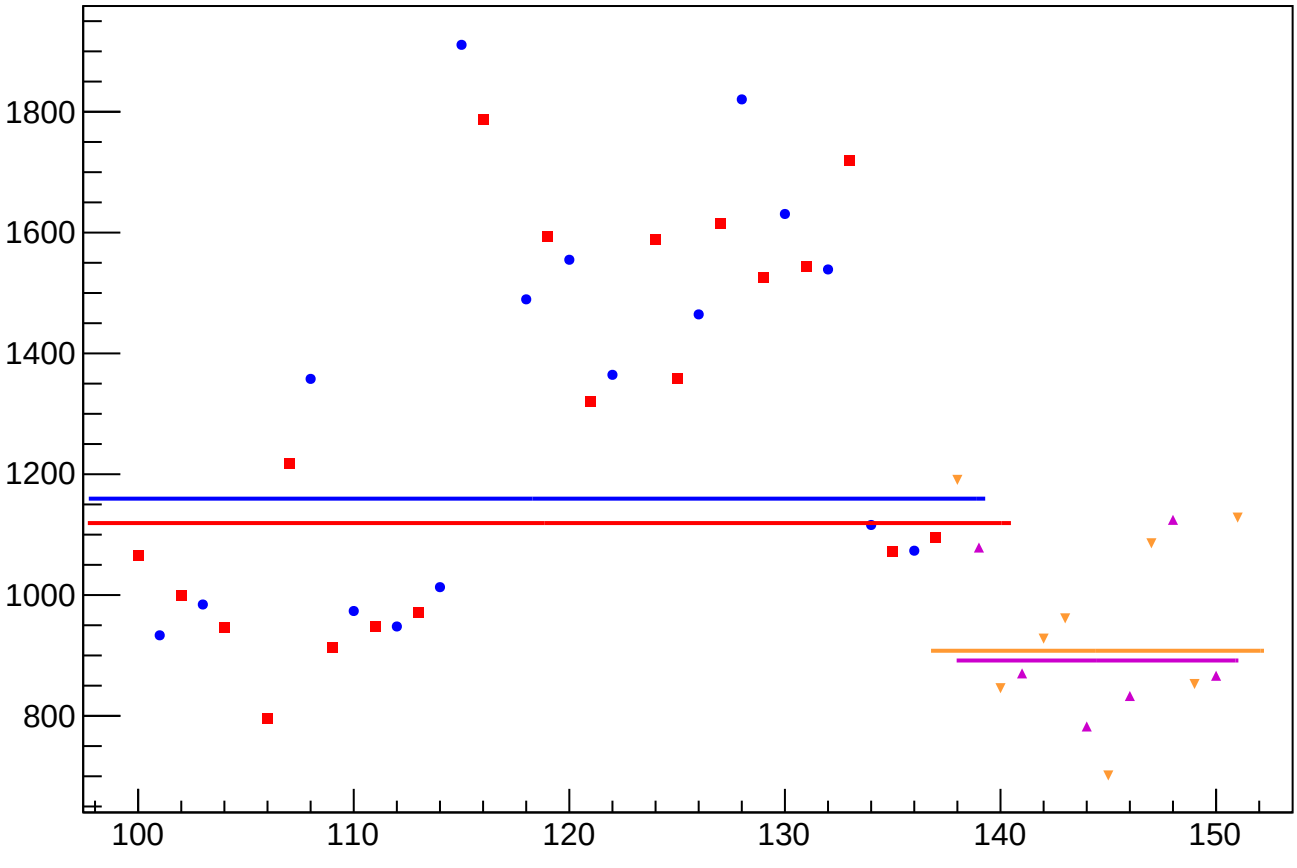
Left: -365.616+/-270.611 χ^2/NDF: 29.1/13

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 261.853+/-294.907 χ^2/NDF:26.1/21

Out: -238.673+/-279.518 χ^2/NDF:44.3/26

All: -1.810+/-202.871 χ^2/NDF: 72.0/48



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 907.789+/-0.263 χ^2/NDF:354172.5/7

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 891.649+/-0.279 χ^2/NDF:166382.2/5

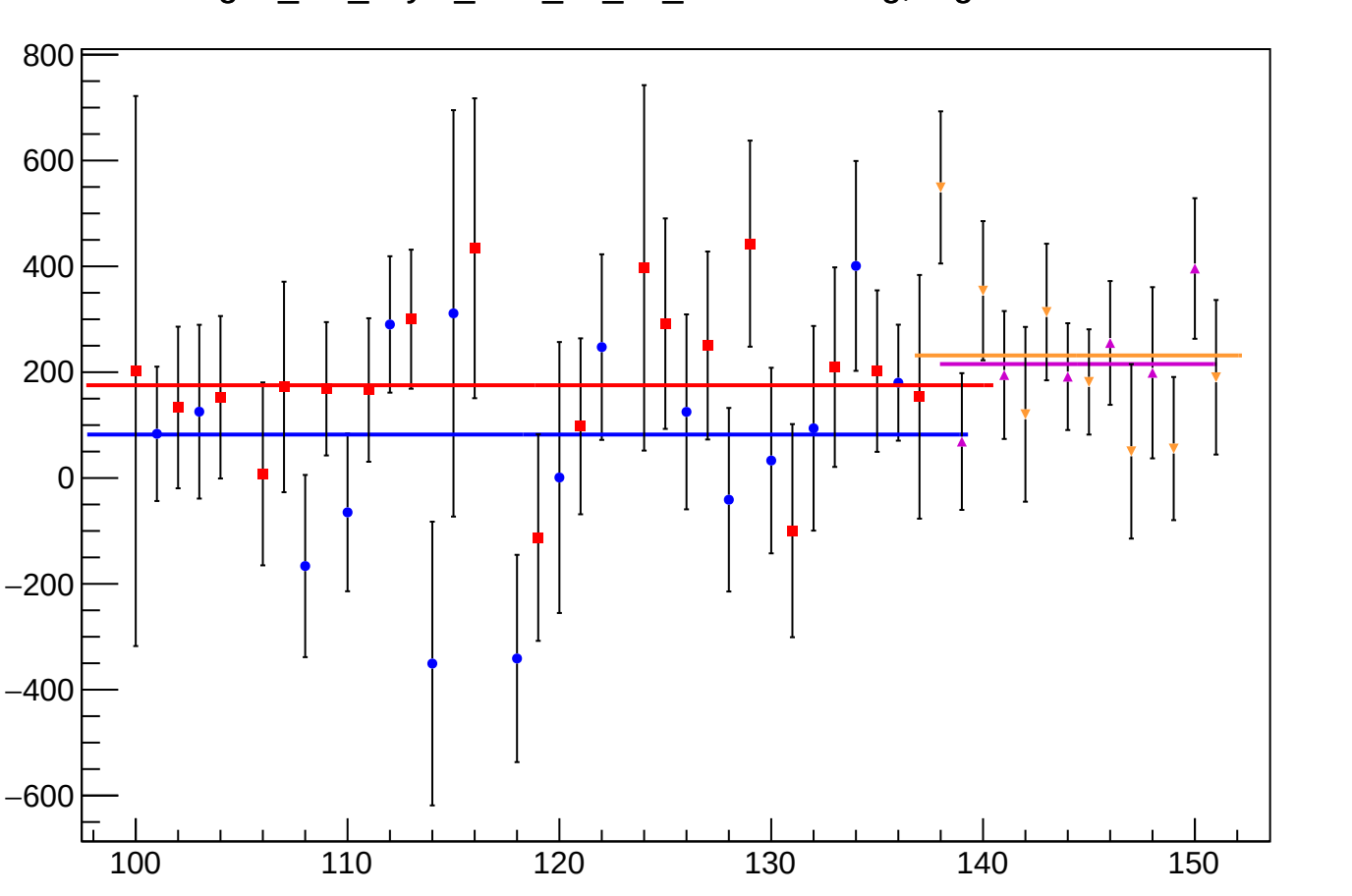
Left: 900.195+/-0.191 χ^2/NDF: 522327.0/13

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1009.869+/-0.209 χ^2/NDF:1257043.2/21

Out: 999.746+/-0.198 χ^2/NDF:1438411.7/26

All: 1004.536+/-0.143 χ^2/NDF: 2696696.2/48



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 231.642+/-47.547 χ^2/NDF:9.8/7

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 215.362+/-50.341 χ^2/NDF:3.3/5

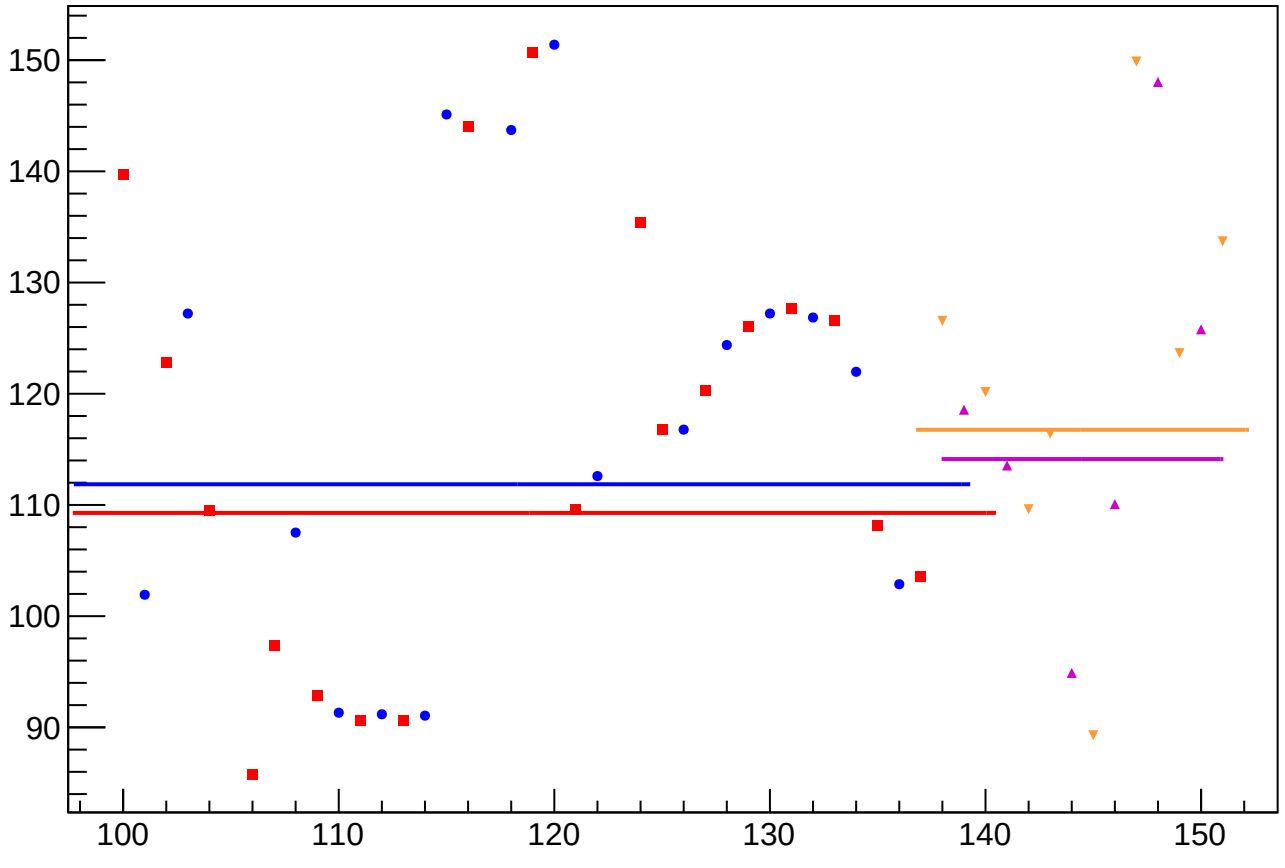
Left: 223.966+/-34.567 χ^2/NDF: 13.2/13

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 137.045+/-32.310 χ^2/NDF:25.8/21

Out: 199.133+/-30.910 χ^2/NDF:20.6/26

All: 169.463+/-22.335 χ^2/NDF: 48.3/48



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 116.759+/-0.034 χ^2/NDF:279767.7/7

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 114.128+/-0.036 χ^2/NDF:180743.1/5

Left: 115.518+/-0.024 χ^2/NDF: 463397.4/13

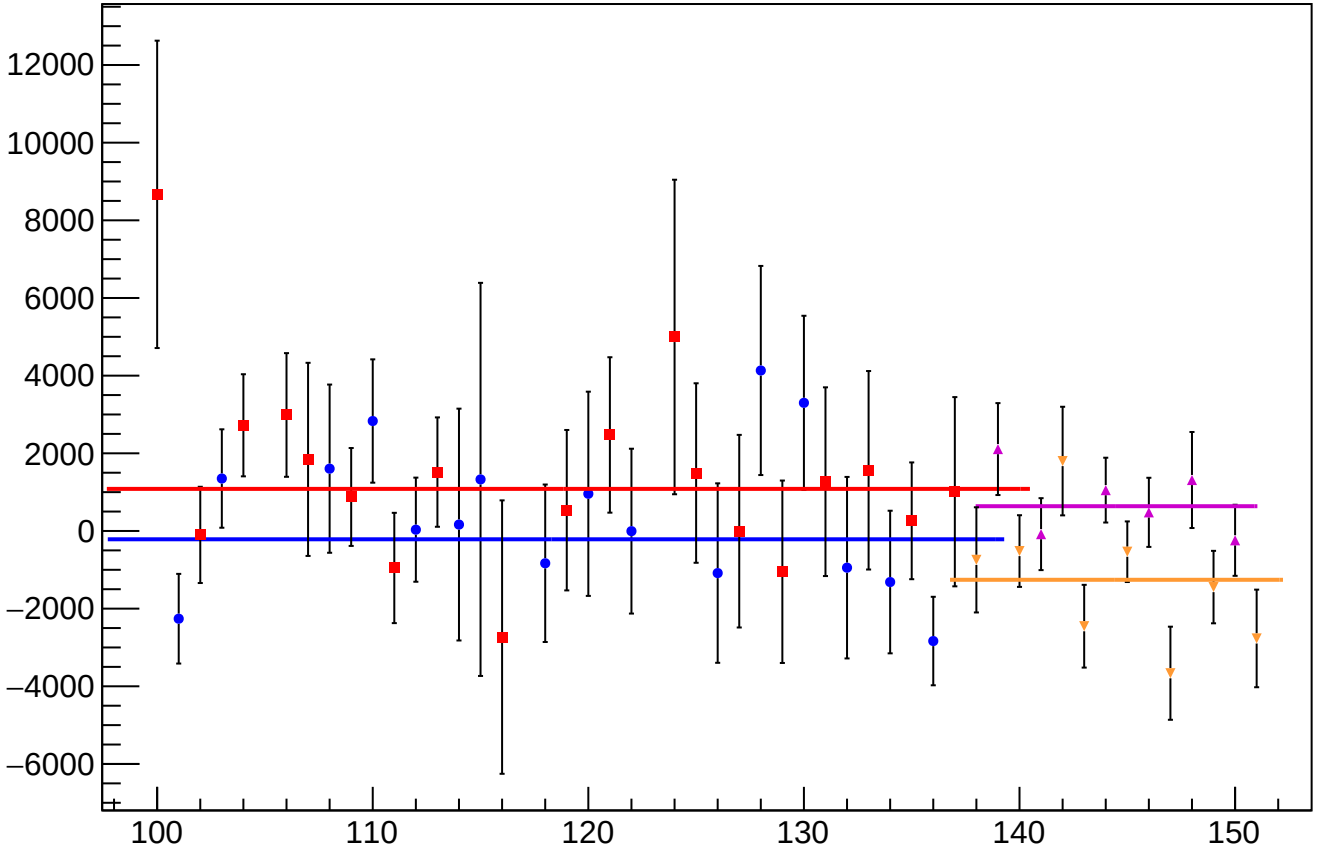
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 112.795+/-0.023 χ^2/NDF:489150.6/21

Out: 112.443+/-0.022 χ^2/NDF:679015.3/26

All: 112.611+/-0.016 χ^2/NDF: 1168290.2/48

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1257.219+/-371.885 χ^2/NDF:13.2/7

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 637.838+/-394.522 χ^2/NDF:3.6/5

Left: -365.616+/-270.611 χ^2/NDF: 29.1/13

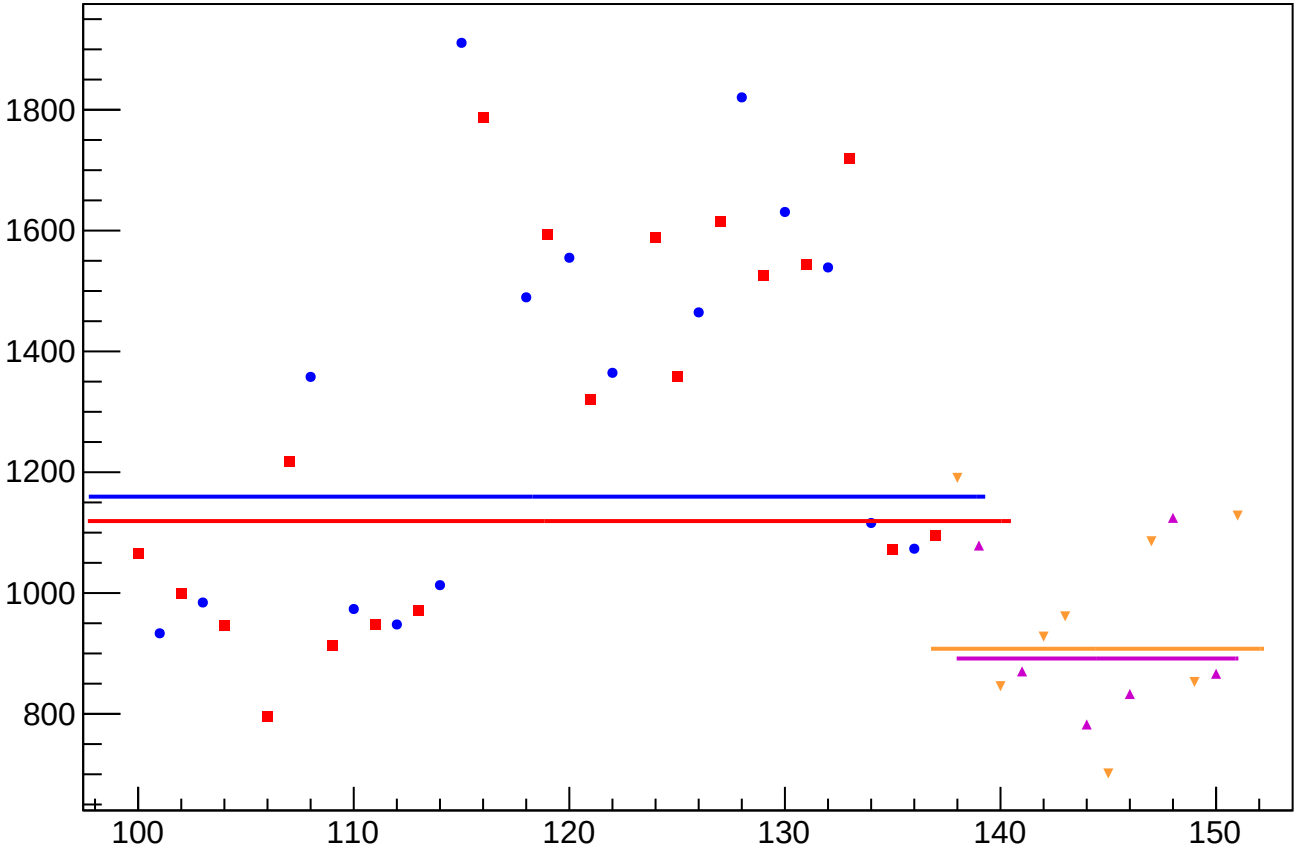
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 261.853+/-294.907 χ^2/NDF:26.1/21

Out: -238.673+/-279.518 χ^2/NDF:44.3/26

All: -1.810+/-202.871 χ^2/NDF: 72.0/48

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 907.789+/-0.263 χ^2/NDF:354172.5/7

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 891.649+/-0.279 χ^2/NDF:166382.2/5

Left: 900.195+/-0.191 χ^2/NDF: 522327.0/13

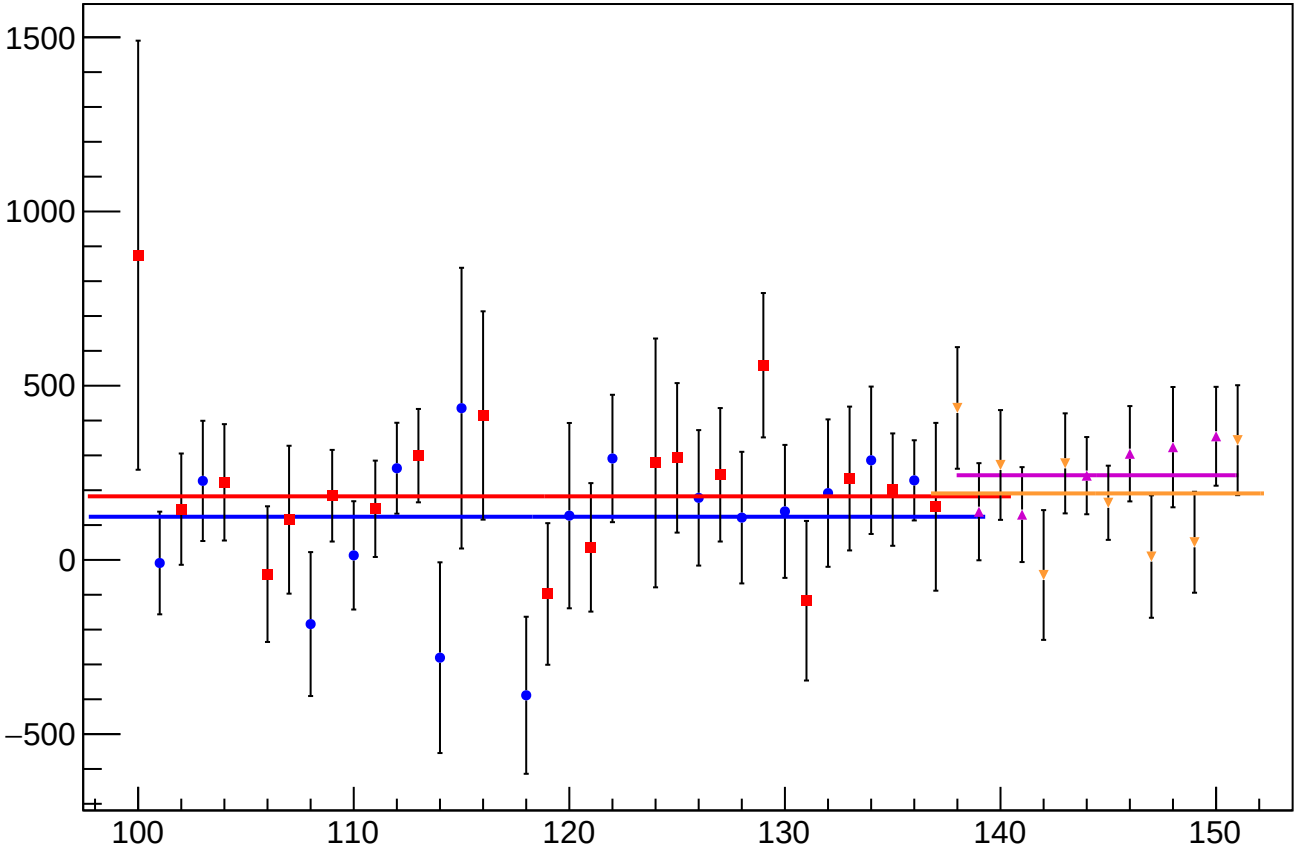
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1009.869+/-0.209 χ^2/NDF:1257043.2/21

Out: 999.746+/-0.198 χ^2/NDF:1438411.7/26

All: 1004.536+/-0.143 χ^2/NDF: 2696696.2/48

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 190.827+/-52.785 χ^2/NDF:7.2/7

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 242.984+/-55.599 χ^2/NDF:2.3/5

Left: 215.552+/-38.281 χ^2/NDF: 9.9/13

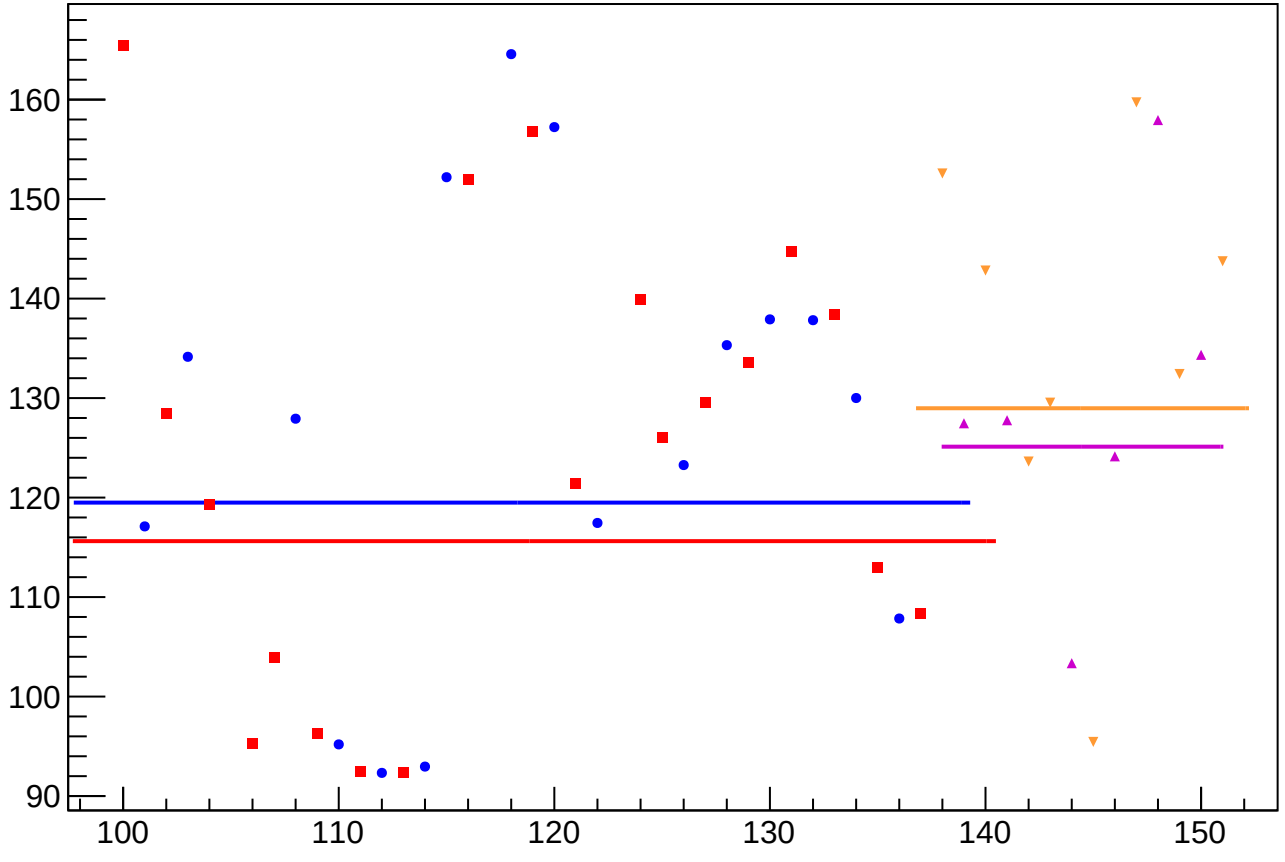
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 171.329+/-35.090 χ^2/NDF:20.5/21

Out: 185.823+/-33.442 χ^2/NDF:19.5/26

All: 178.924+/-24.209 χ^2/NDF: 40.1/48

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 128.979+/-0.037 χ^2/NDF:332055.0/7

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 125.117+/-0.039 χ^2/NDF:159375.4/5

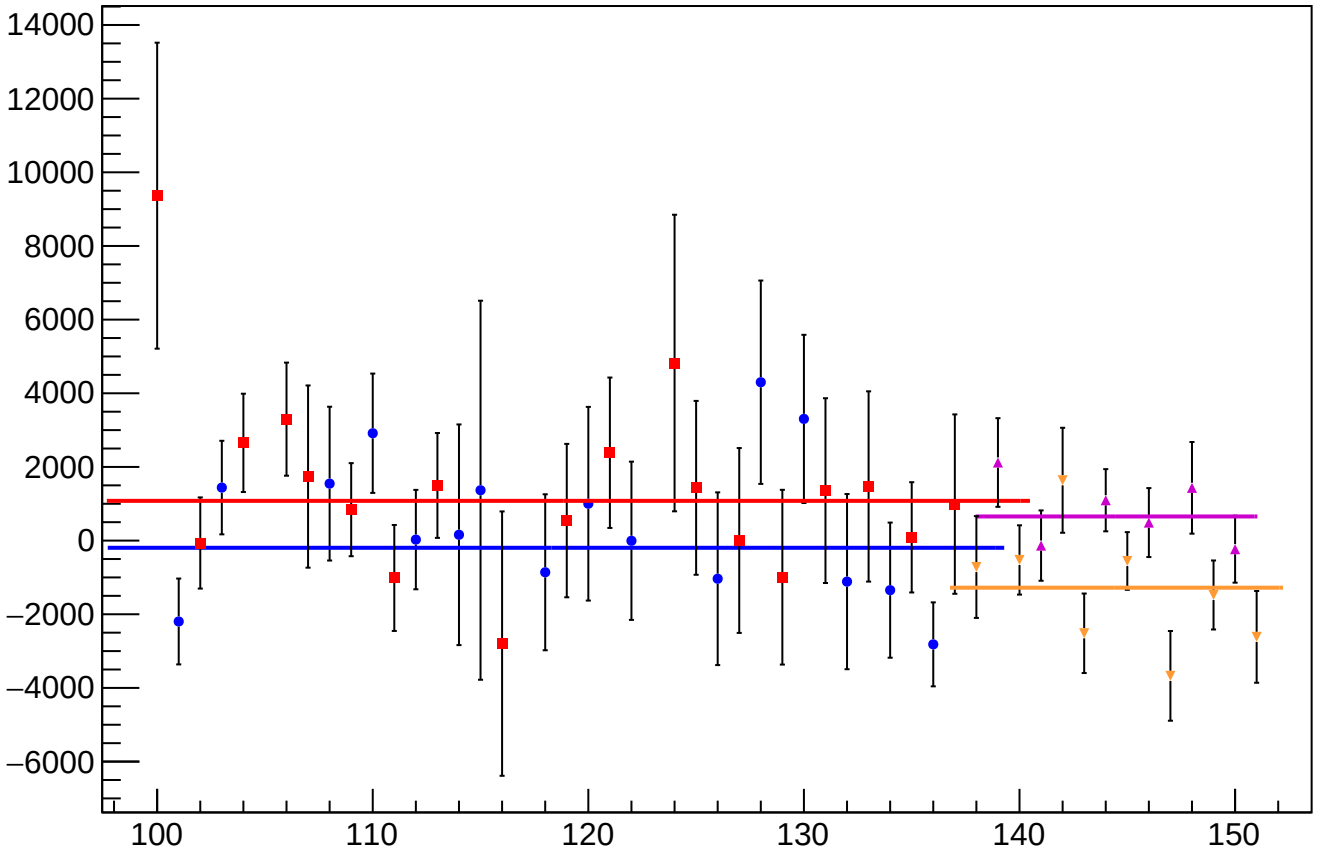
Left: 127.148+/-0.027 χ^2/NDF: 496505.3/13

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 121.734+/-0.025 χ^2/NDF:551931.3/21

Out: 120.983+/-0.024 χ^2/NDF:835676.1/26

All: 121.341+/-0.017 χ^2/NDF: 1388087.3/48



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1278.511+/-375.481 χ^2/NDF:12.2/7

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 655.257+/-401.997 χ^2/NDF:3.8/5

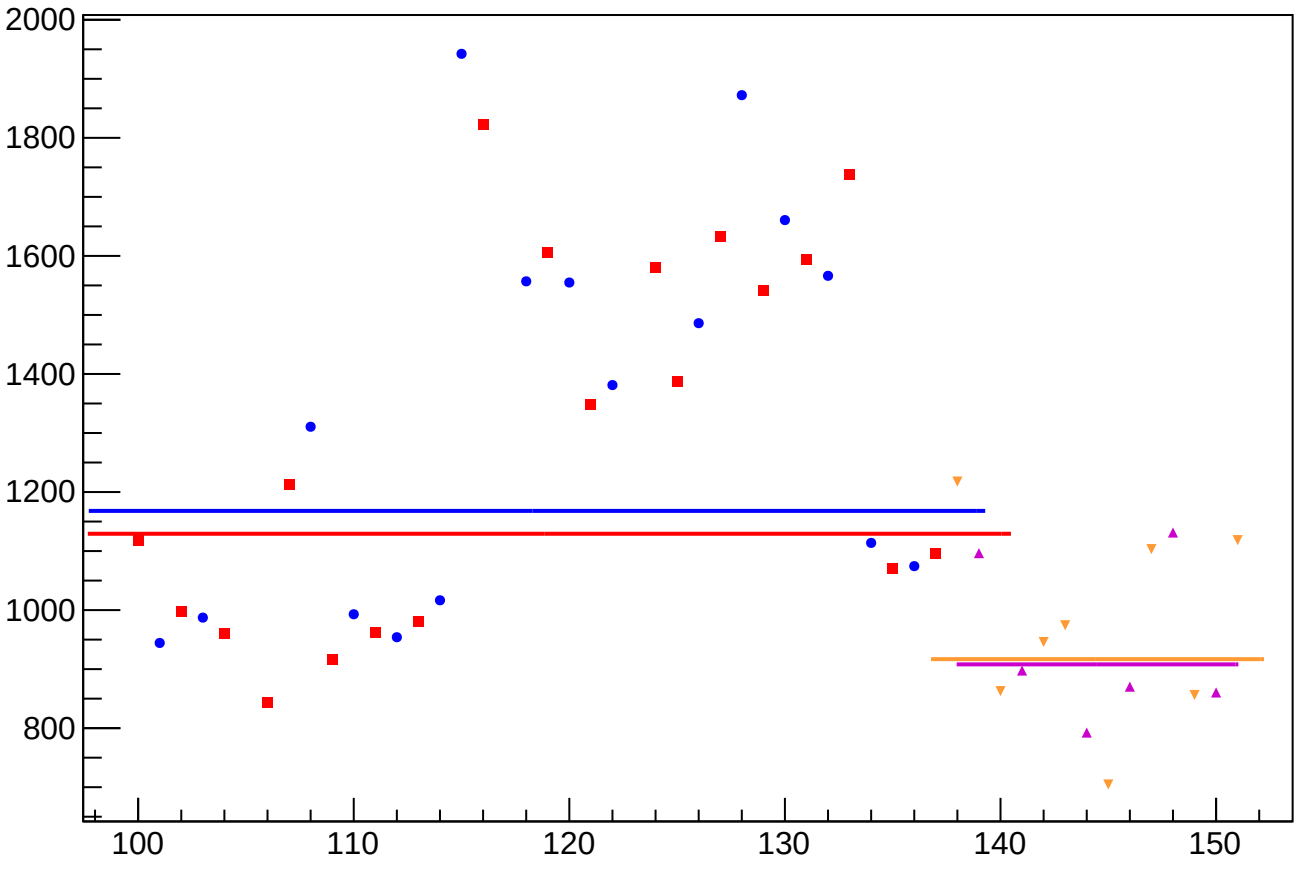
Left: -377.502+/-274.401 χ^2/NDF: 28.4/13

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 275.347+/-299.003 χ^2/NDF:26.2/21

Out: -247.458+/-281.667 χ^2/NDF:44.0/26

All: -1.649+/-205.023 χ^2/NDF: 71.9/48



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 916.901+/-0.266 χ^2/NDF:362416.9/7

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 908.068+/-0.284 χ^2/NDF:159916.6/5

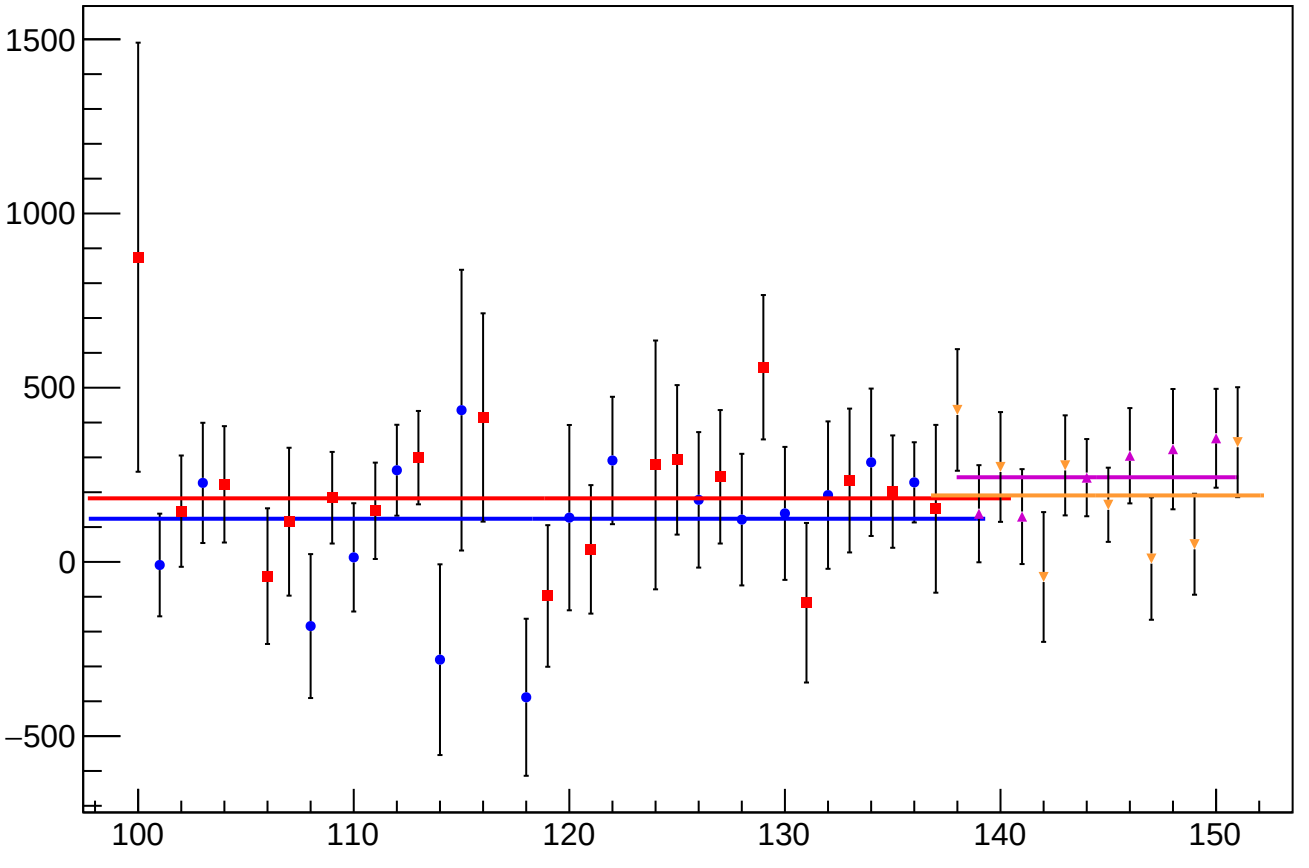
Left: 912.786+/-0.194 χ^2/NDF: 522849.2/13

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1024.227+/-0.211 χ^2/NDF:1243046.4/21

Out: 1009.785+/-0.199 χ^2/NDF:1449524.4/26

All: 1016.575+/-0.145 χ^2/NDF: 2695042.6/48



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 190.828+/-52.785 χ^2/NDF:7.2/7

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 242.985+/-55.599 χ^2/NDF:2.3/5

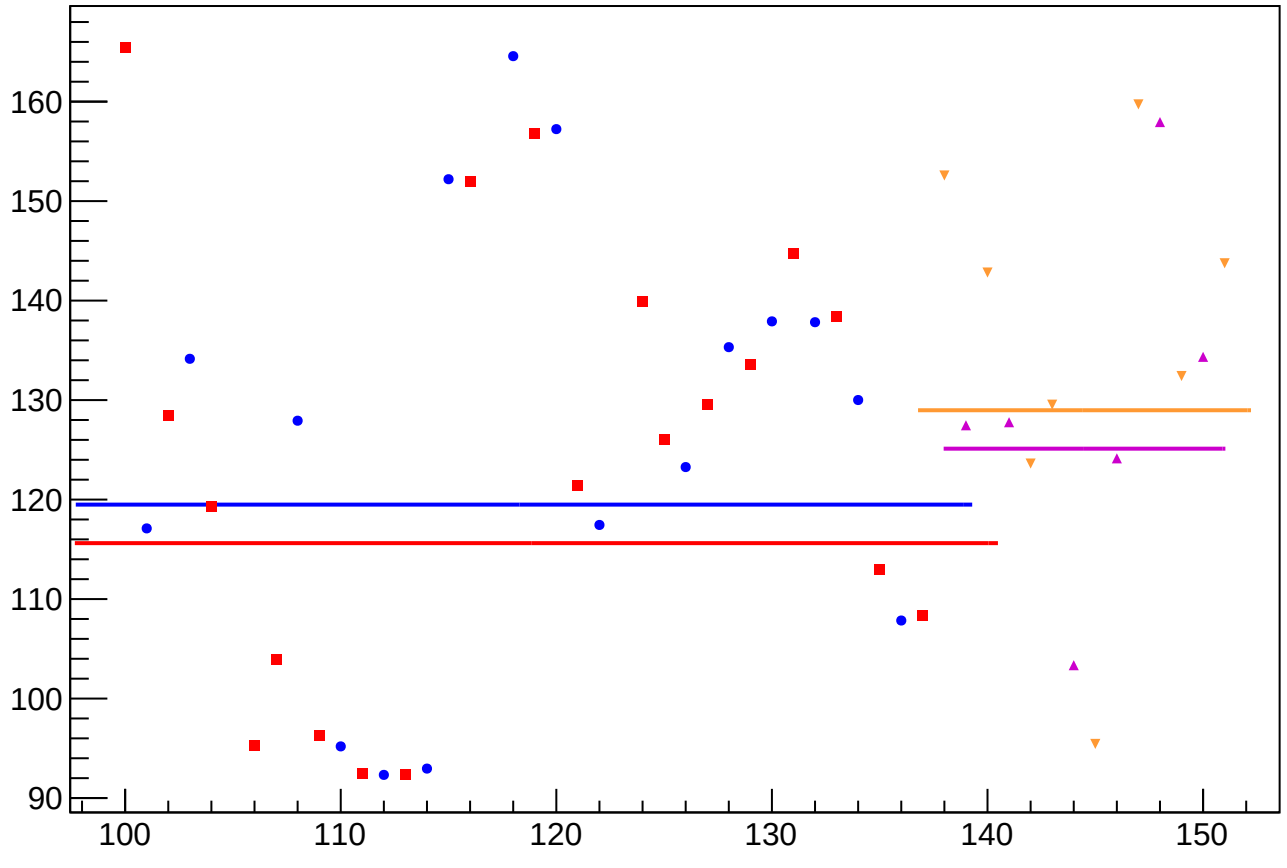
Left: 215.553+/-38.281 χ^2/NDF: 9.9/13

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 171.331+/-35.090 χ^2/NDF:20.5/21

Out: 185.823+/-33.442 χ^2/NDF:19.5/26

All: 178.925+/-24.209 χ^2/NDF: 40.1/48



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 128.979+/-0.037 χ^2/NDF:332052.6/7

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 125.117+/-0.039 χ^2/NDF:159373.1/5

Left: 127.148+/-0.027 χ^2/NDF: 496500.6/13

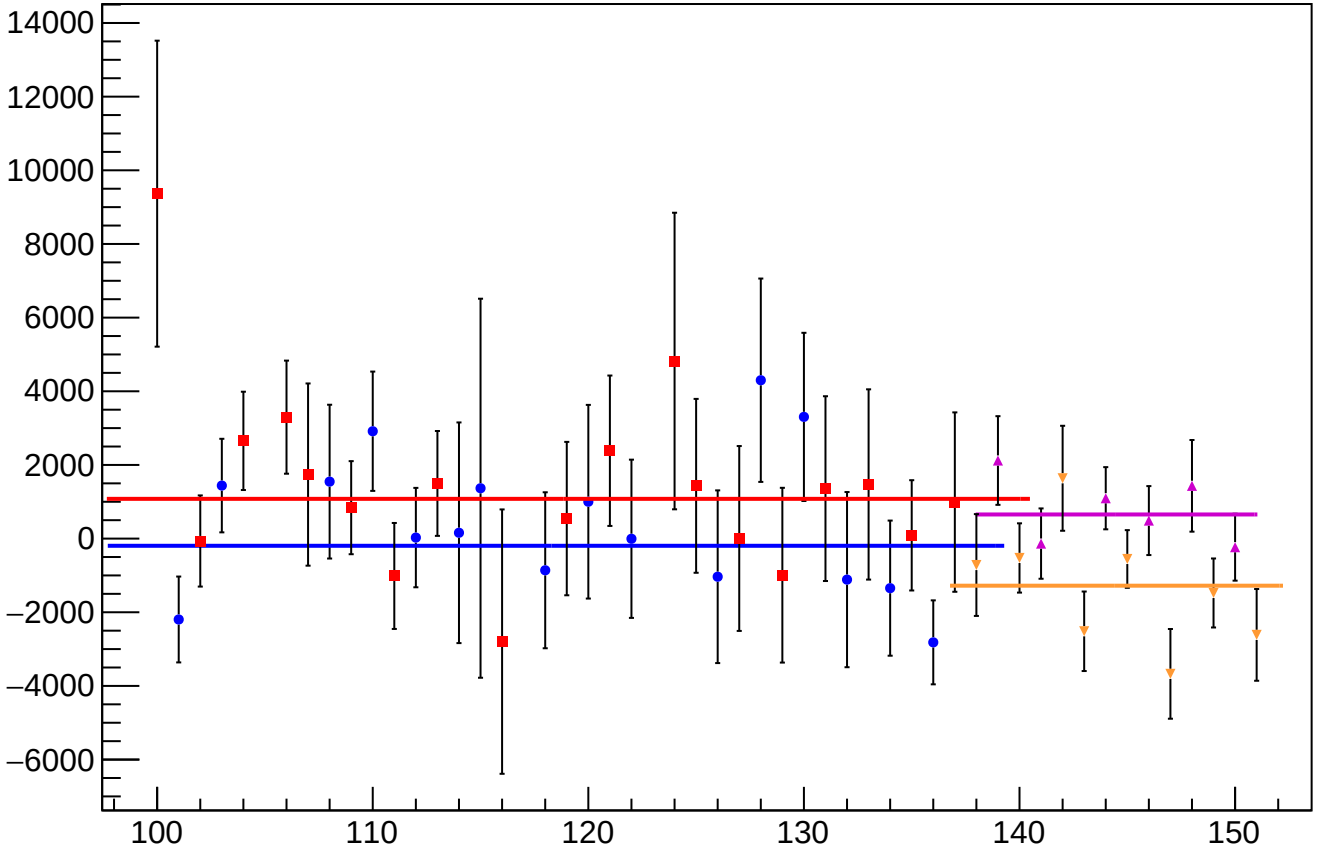
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 121.734+/-0.025 χ^2/NDF:551932.5/21

Out: 120.983+/-0.024 χ^2/NDF:835679.1/26

All: 121.341+/-0.017 χ^2/NDF: 1388091.5/48

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1278.509+/-375.481 χ^2/NDF:12.2/7

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 655.257+/-401.997 χ^2/NDF:3.8/5

Left: -377.502+/-274.401 χ^2/NDF: 28.4/13

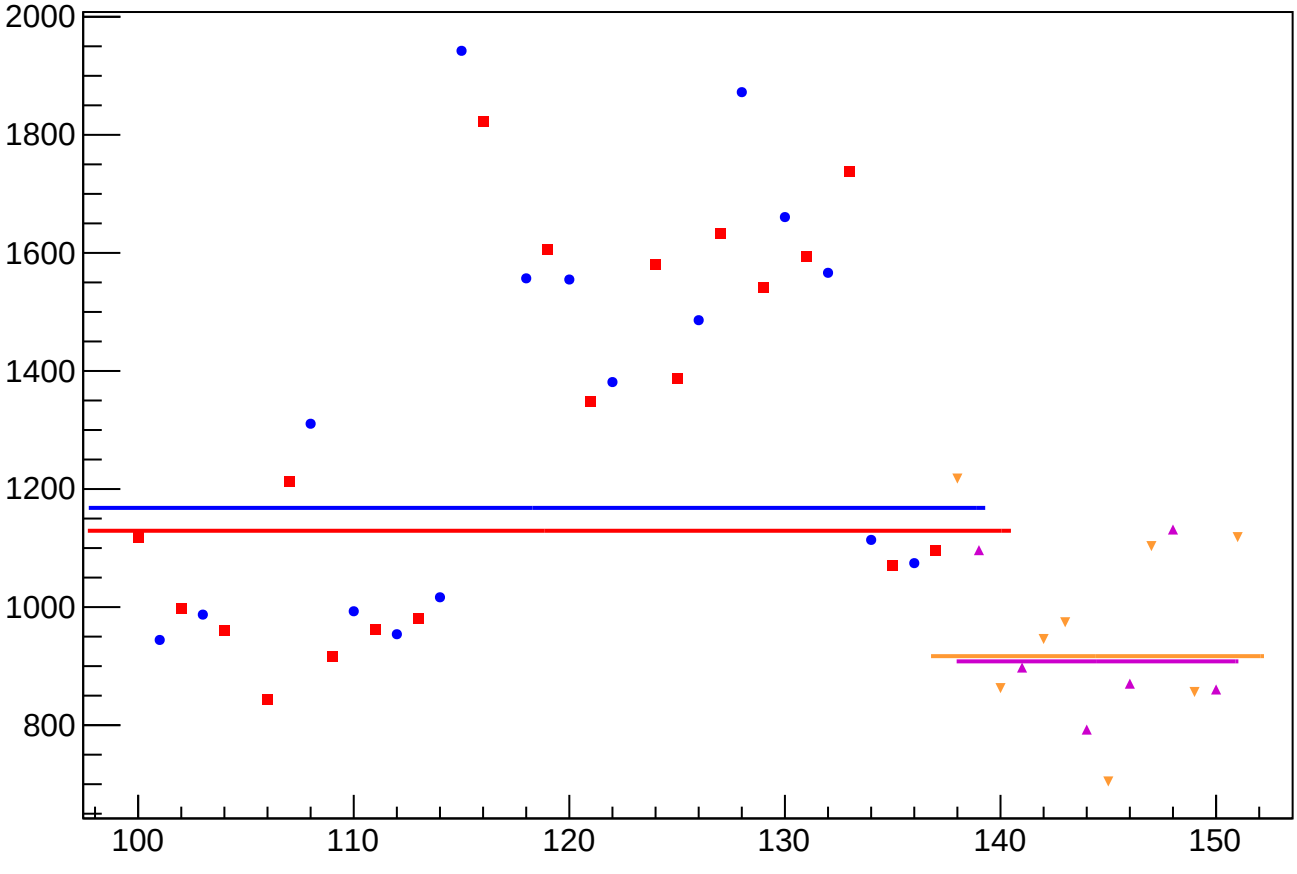
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 275.347+/-299.003 χ^2/NDF:26.2/21

Out: -247.457+/-281.667 χ^2/NDF:44.0/26

All: -1.649+/-205.023 χ^2/NDF: 71.9/48

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 916.901+/-0.266 χ^2/NDF:362420.1/7

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 908.068+/-0.284 χ^2/NDF:159916.7/5

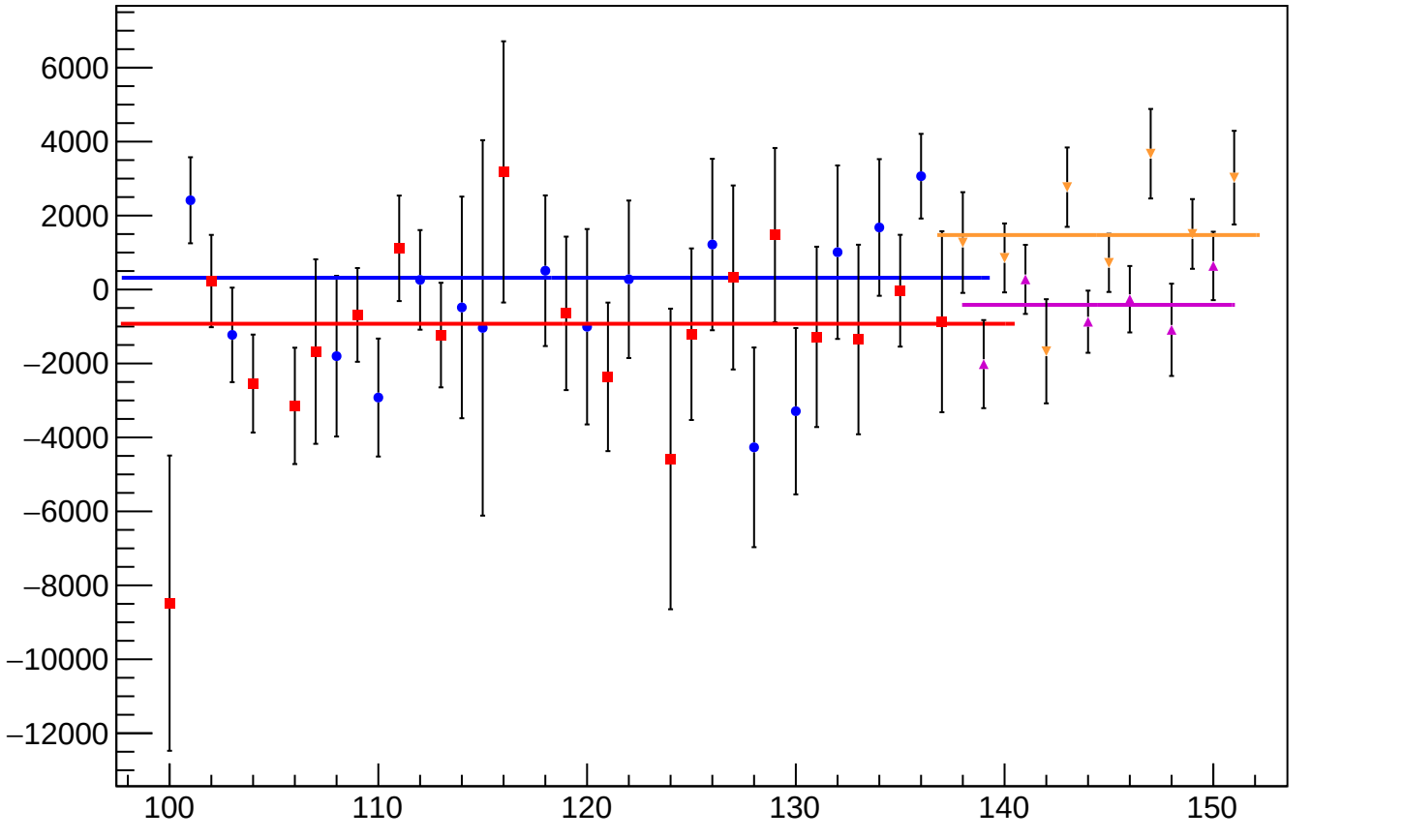
Left: 912.785+/-0.194 χ^2/NDF: 522852.5/13

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1024.227+/-0.211 χ^2/NDF:1243047.3/21

Out: 1009.785+/-0.199 χ^2/NDF:1449530.6/26

All: 1016.575+/-0.145 χ^2/NDF: 2695050.1/48



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1473.843+/-375.086 χ^2/NDF:12.6/7

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -414.387+/-397.888 χ^2/NDF:4.3/5

Left: 585.380+/-272.931 χ^2/NDF: 28.8/13

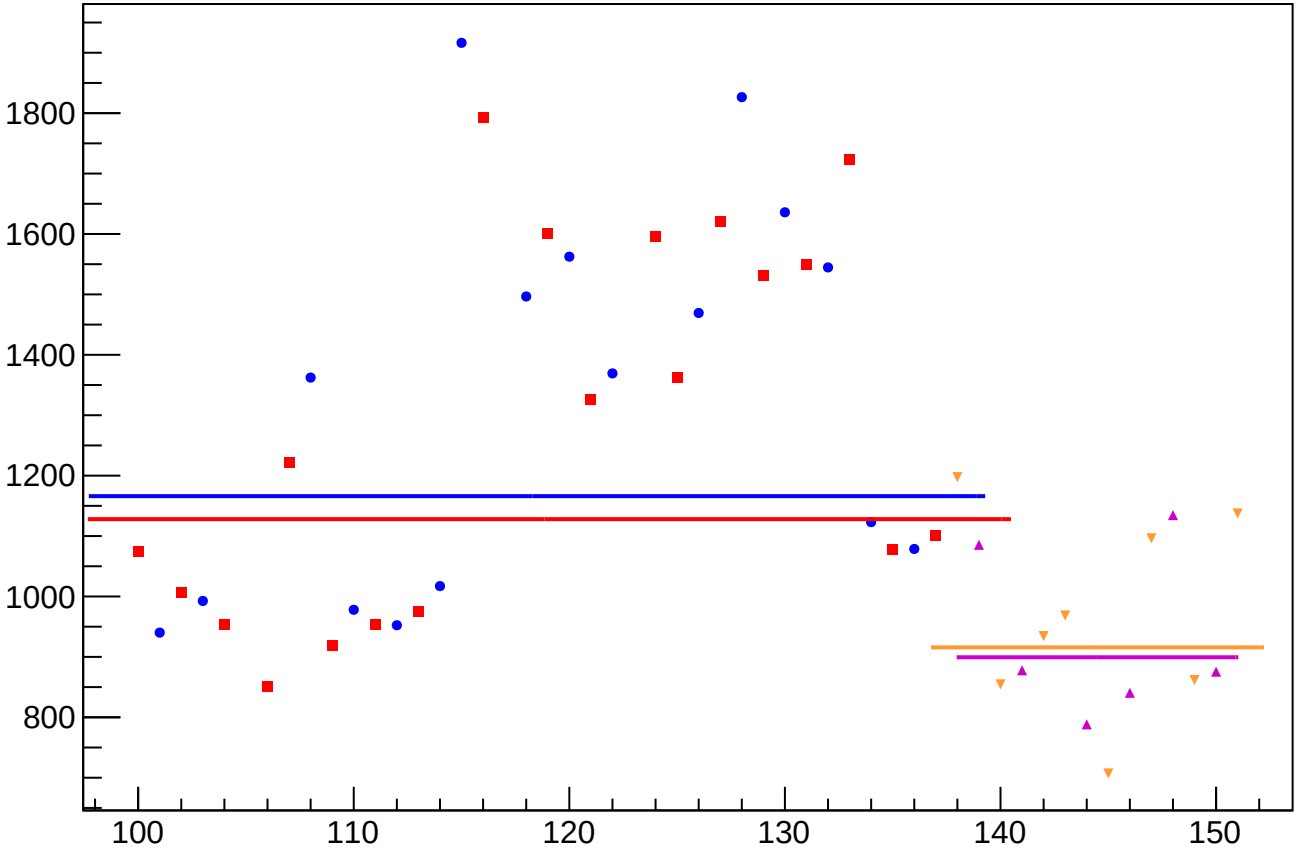
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -90.370+/-297.008 χ^2/NDF:27.9/21

Out: 424.165+/-281.343 χ^2/NDF:45.1/26

All: 180.824+/-204.253 χ^2/NDF: 74.6/48

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 915.761+/-0.265 χ^2/NDF:352450.9/7

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 899.368+/-0.281 χ^2/NDF:165910.5/5

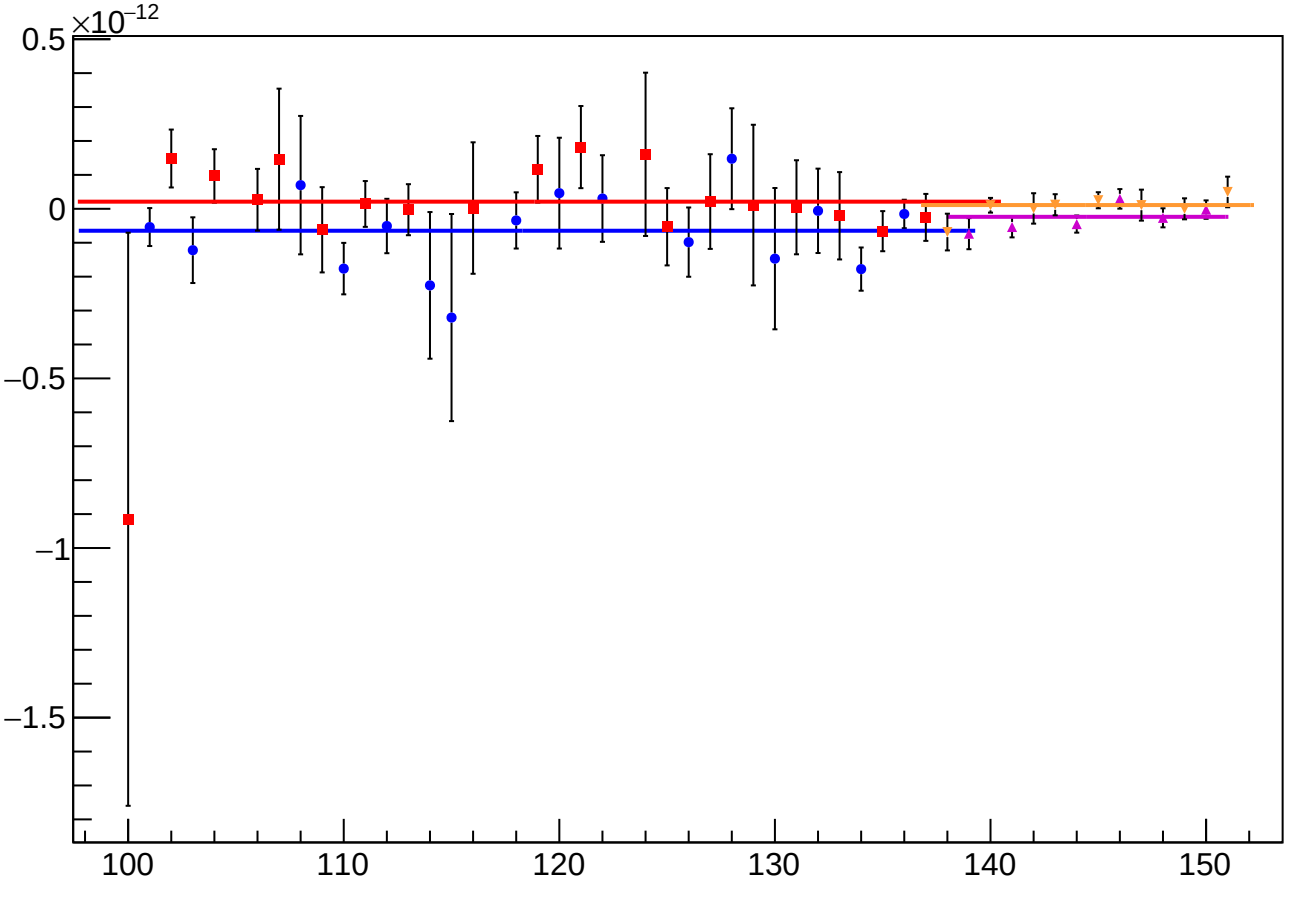
Left: 908.048+/-0.193 χ^2/NDF: 520159.0/13

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1017.457+/-0.210 χ^2/NDF:1240824.1/21

Out: 1008.595+/-0.199 χ^2/NDF:1408315.0/26

All: 1012.786+/-0.144 χ^2/NDF: 2650077.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/5

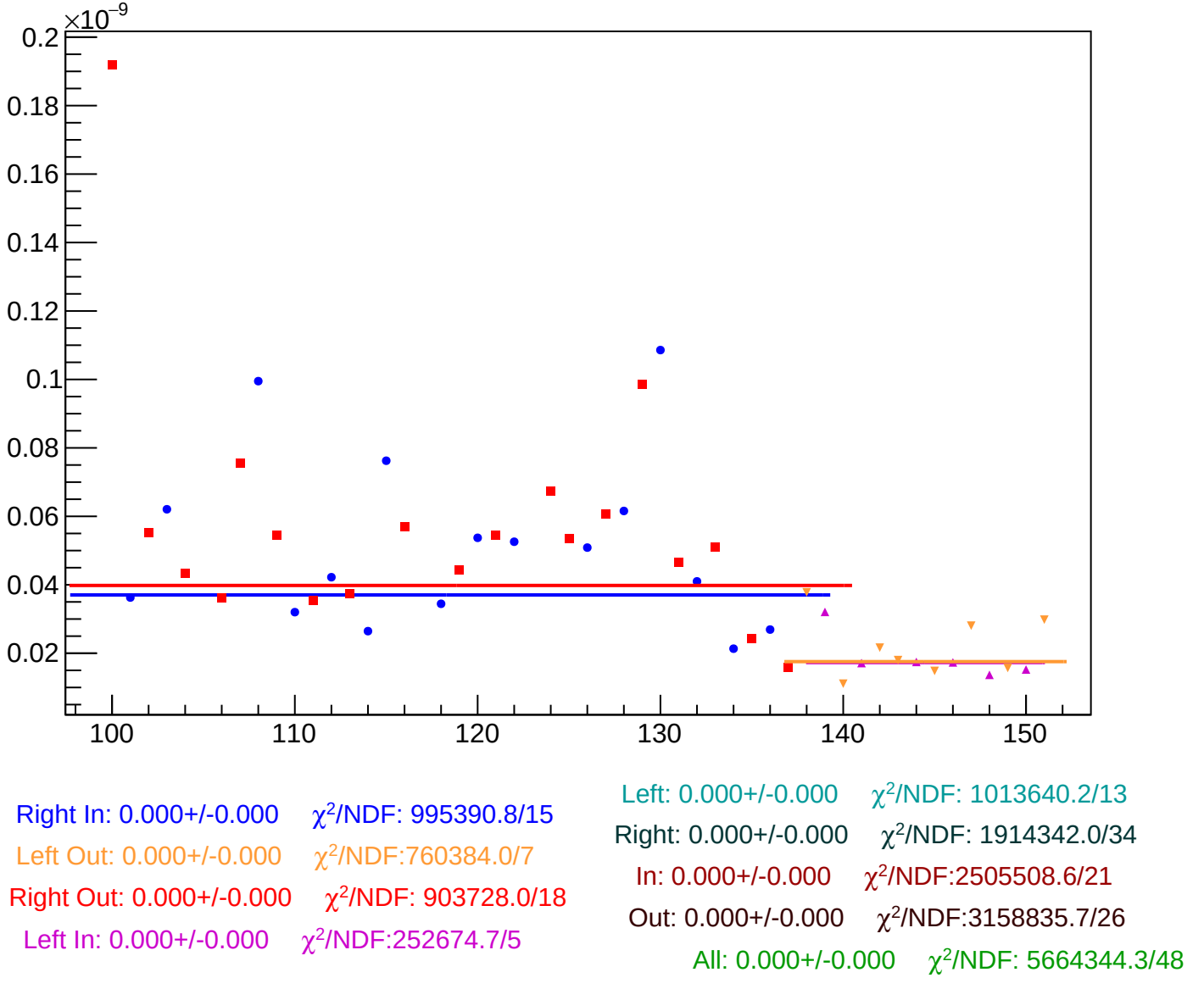
Left: -0.000+/-0.000 χ^2/NDF: 14.7/13

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

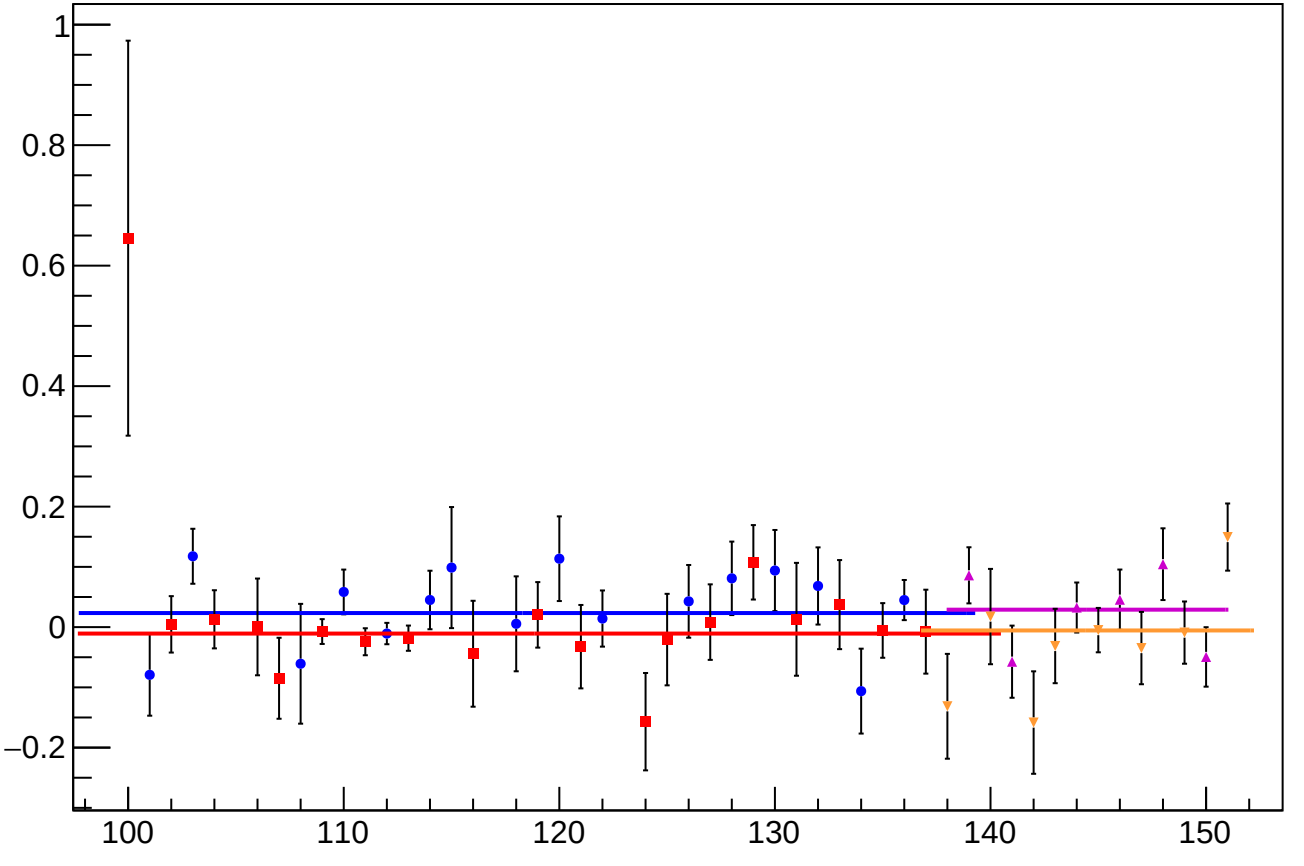
In: -0.000+/-0.000 χ^2/NDF:22.0/21

Out: 0.000+/-0.000 χ^2/NDF:15.1/26

All: -0.000+/-0.000 χ^2/NDF: 47.1/48


asym_sam_48_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
150
Right In: 0.000+/-0.000 χ²/NDF: 995390.8/15
Left Out: 0.000+/-0.000 χ²/NDF:760384.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 903728.0/18
Left In: 0.000+/-0.000 χ²/NDF:252674.7/5
Left: 0.000+/-0.000 χ²/NDF: 1013640.2/13
Right: 0.000+/-0.000 χ²/NDF: 1914342.0/34
In: 0.000+/-0.000 χ²/NDF:2505508.6/21
Out: 0.000+/-0.000 χ²/NDF:3158835.7/26
All: 0.000+/-0.000 χ²/NDF: 5664344.3/48

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: -0.006+/-0.020 χ^2/NDF:13.6/7

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.029+/-0.020 χ^2/NDF:7.8/5

Left: 0.012+/-0.014 χ^2/NDF: 22.8/13

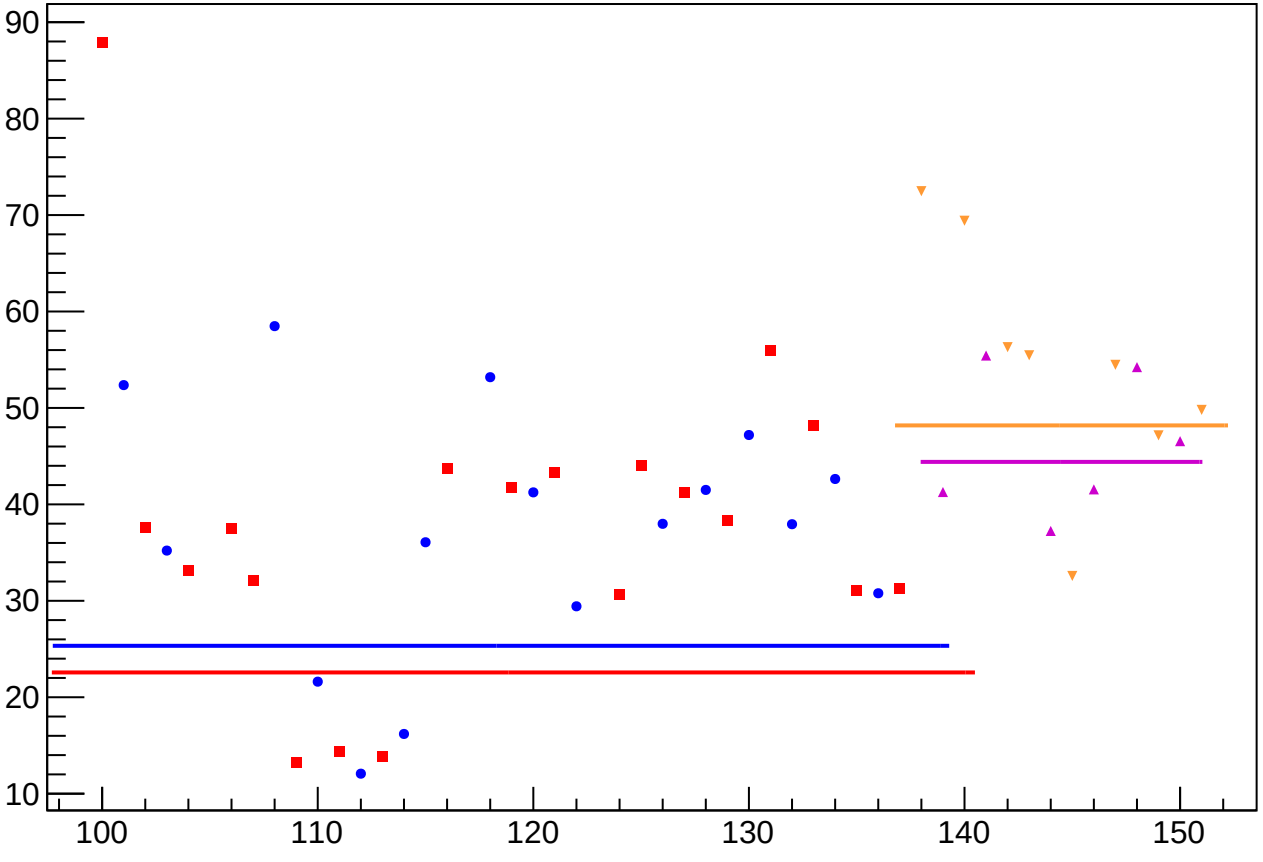
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:28.6/21

Out: -0.010+/-0.009 χ^2/NDF:27.9/26

All: 0.006+/-0.007 χ^2/NDF: 63.3/48

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.188+/-0.014 χ^2/NDF:729299.7/7

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.405+/-0.014 χ^2/NDF:201061.7/5

Left: 46.294+/-0.010 χ^2/NDF: 964812.8/13

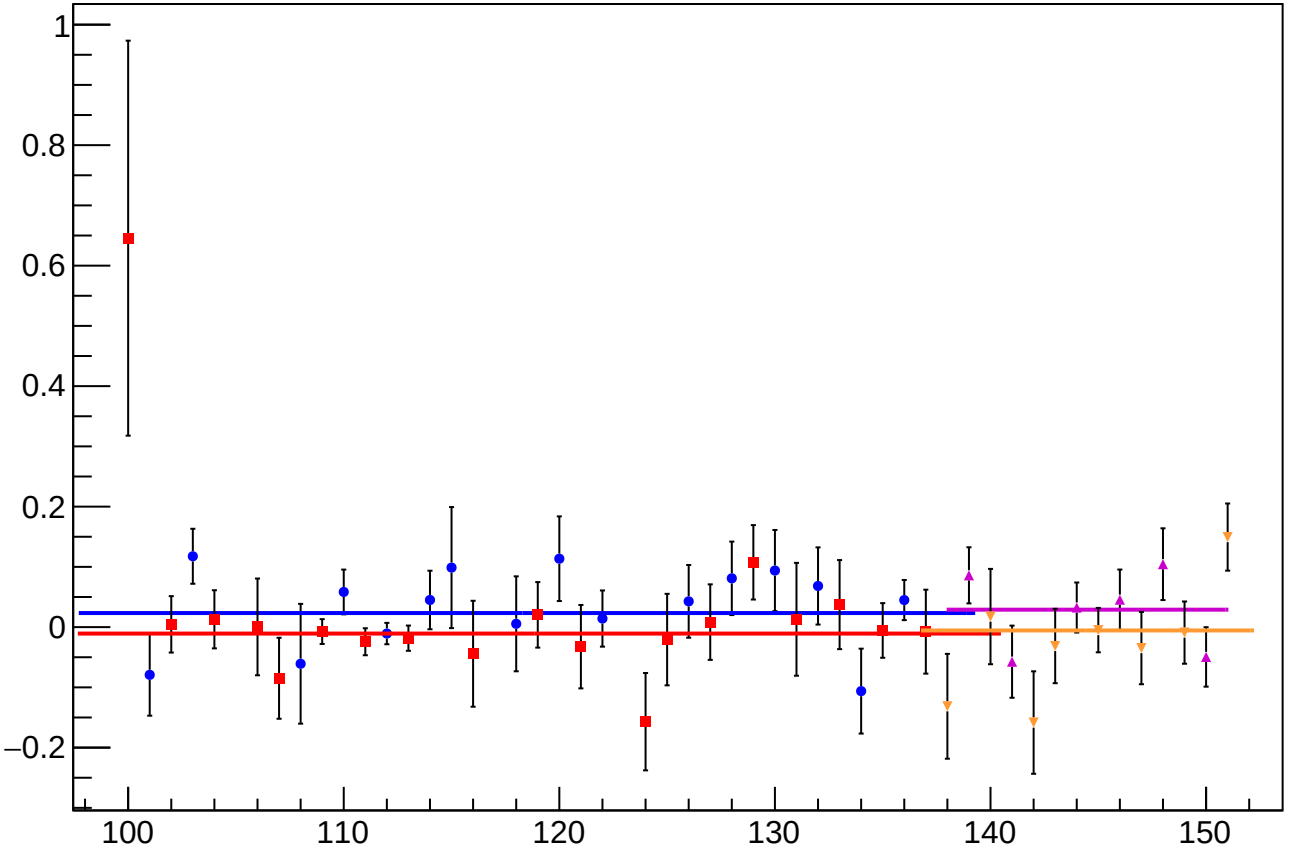
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 29.684+/-0.007 χ^2/NDF:4480536.6/21

Out: 27.378+/-0.006 χ^2/NDF:6432239.3/26

All: 28.421+/-0.005 χ^2/NDF: 10974391.0/48

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: -0.006+/-0.020 χ^2/NDF:13.6/7

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.029+/-0.020 χ^2/NDF:7.8/5

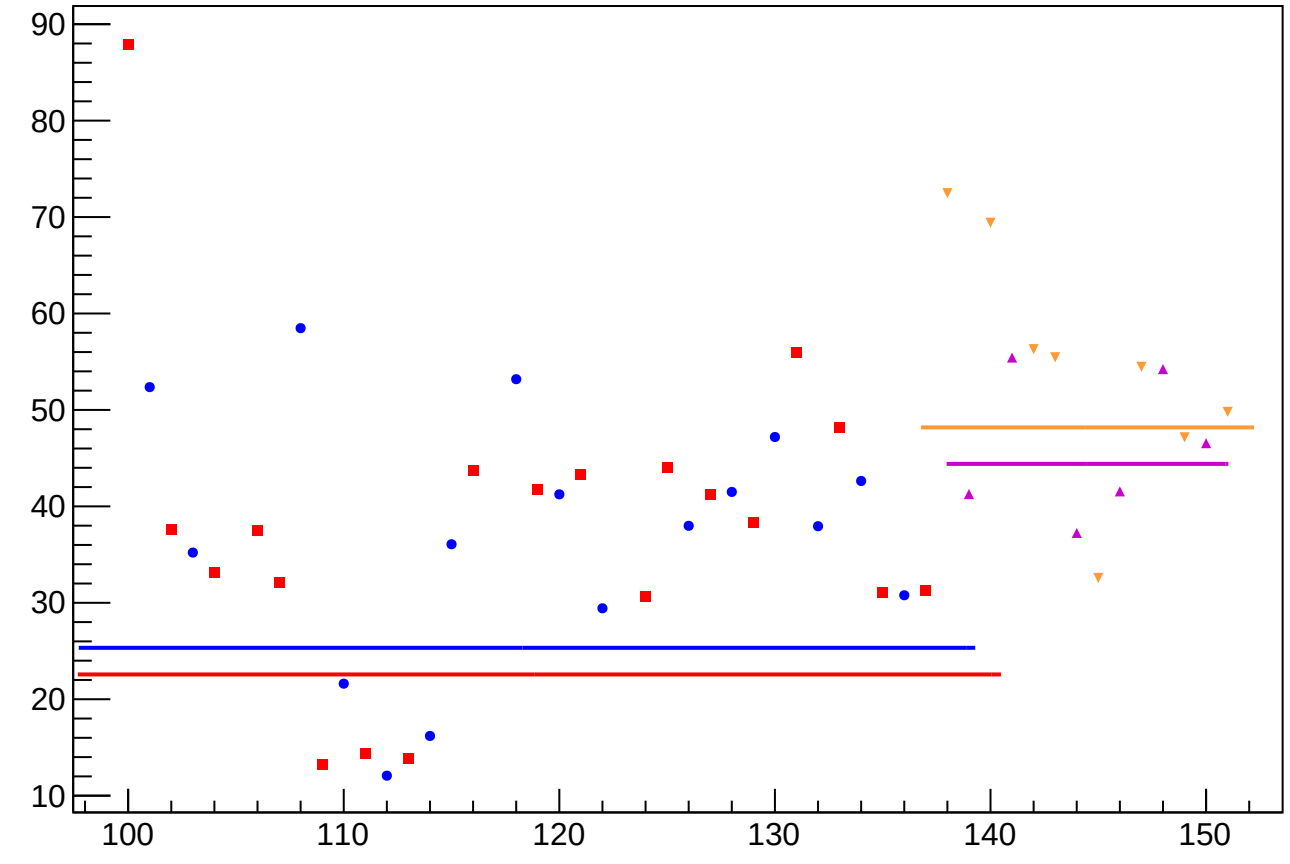
Left: 0.012+/-0.014 χ^2/NDF: 22.8/13

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:28.6/21

Out: -0.010+/-0.009 χ^2/NDF:27.9/26

All: 0.006+/-0.007 χ^2/NDF: 63.3/48



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.188+/-0.014 χ^2/NDF:729299.7/7

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.405+/-0.014 χ^2/NDF:201061.7/5

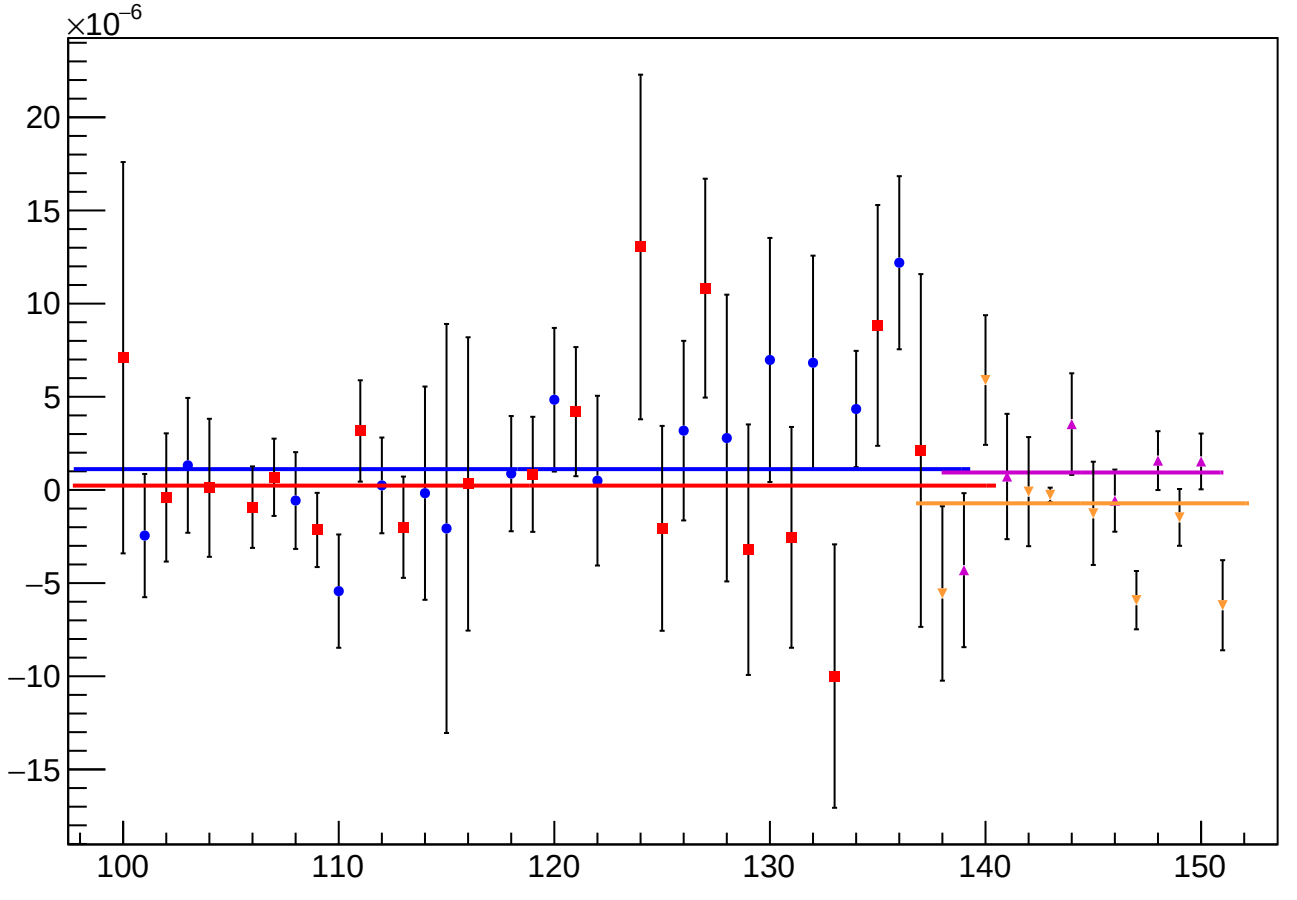
Left: 46.294+/-0.010 χ^2/NDF: 964812.8/13

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 29.684+/-0.007 χ^2/NDF:4480536.6/21

Out: 27.378+/-0.006 χ^2/NDF:6432239.3/26

All: 28.421+/-0.005 χ^2/NDF: 10974391.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/5

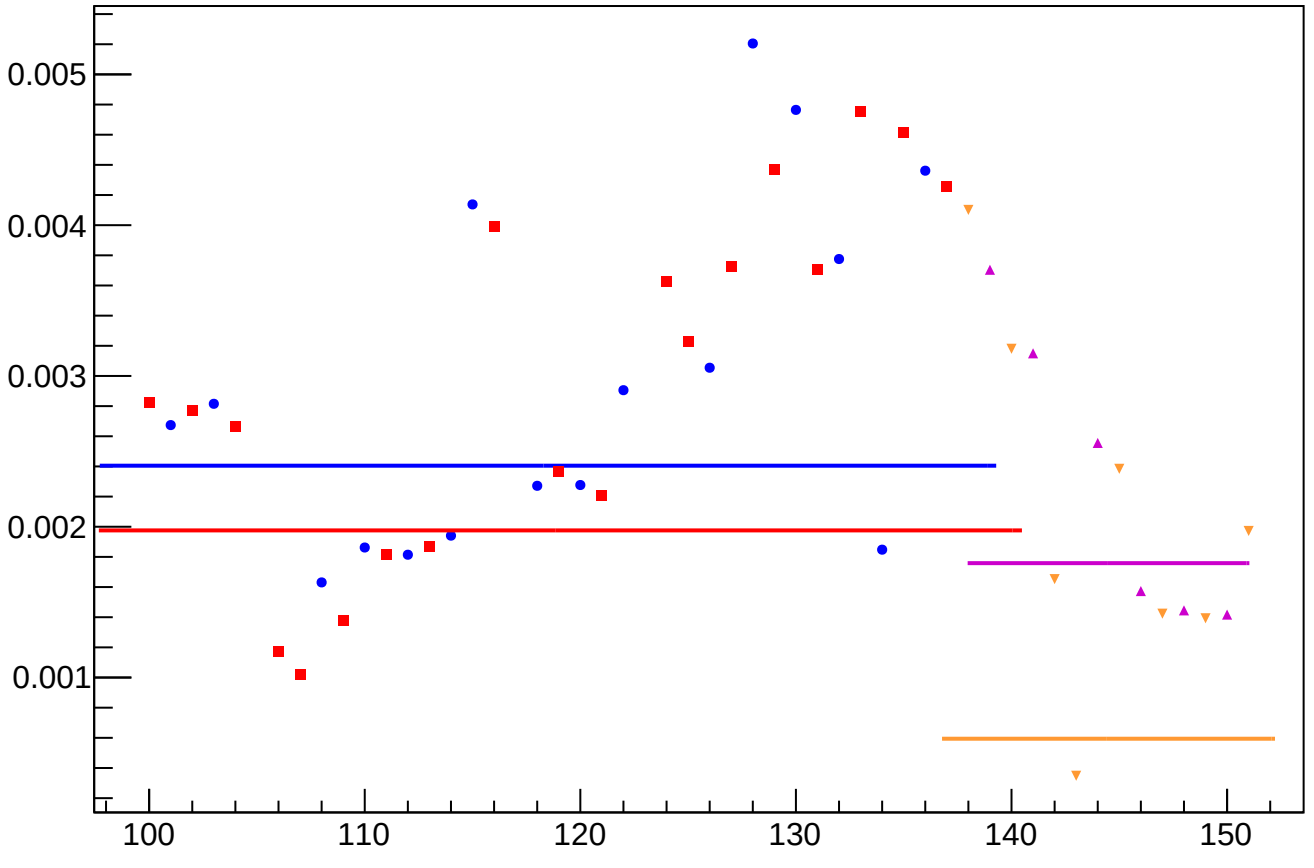
Left: -0.000+/-0.000 χ^2/NDF: 29.6/13

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:19.9/21

Out: -0.000+/-0.000 χ^2/NDF:38.8/26

All: -0.000+/-0.000 χ^2/NDF: 63.8/48



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:5891885.5/7

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1164064.6/5

Left: 0.001+/-0.000 χ^2/NDF: 10464661.2/13

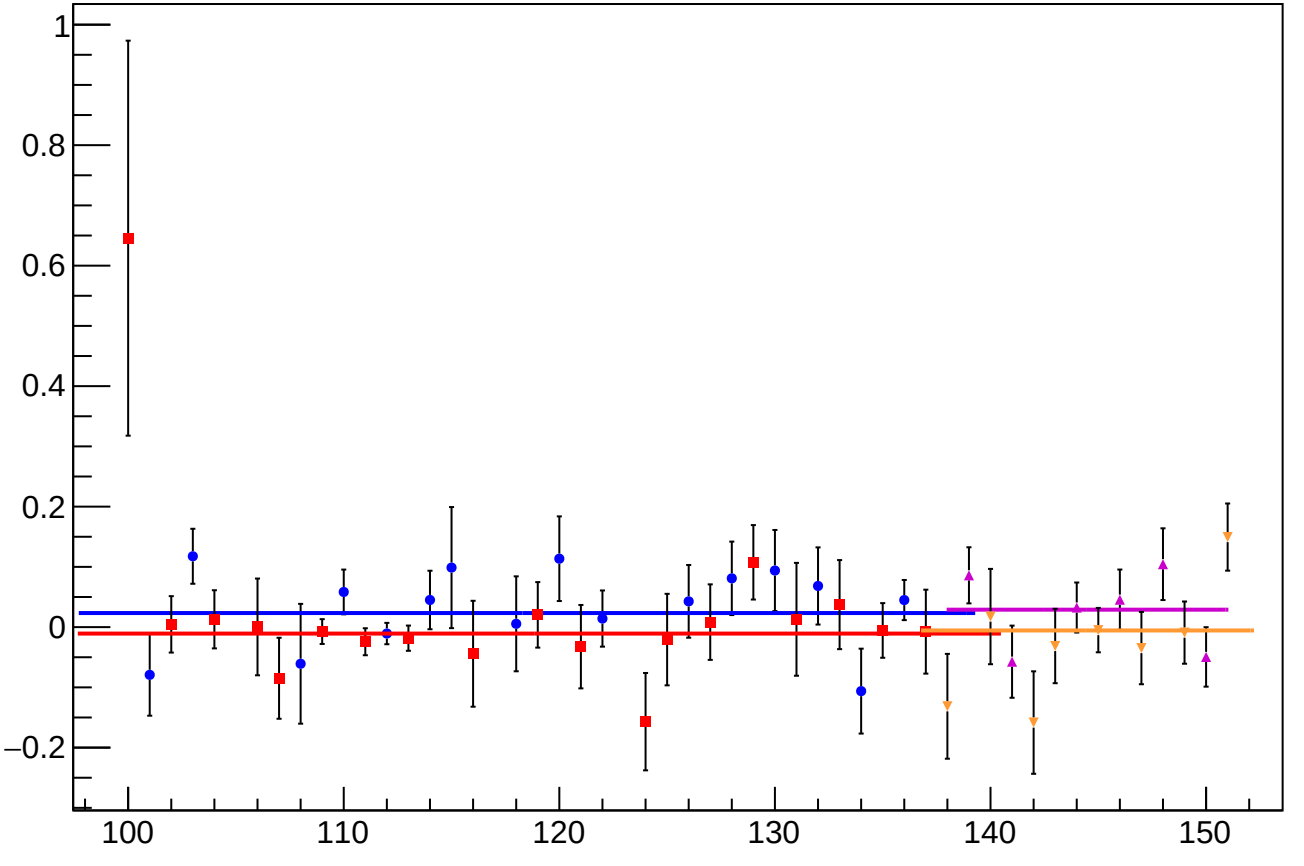
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3263713.3/21

Out: 0.001+/-0.000 χ^2/NDF:13537074.8/26

All: 0.001+/-0.000 χ^2/NDF: 22874676.8/48

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.020 χ^2/NDF:13.6/7

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.029+/-0.020 χ^2/NDF:7.8/5

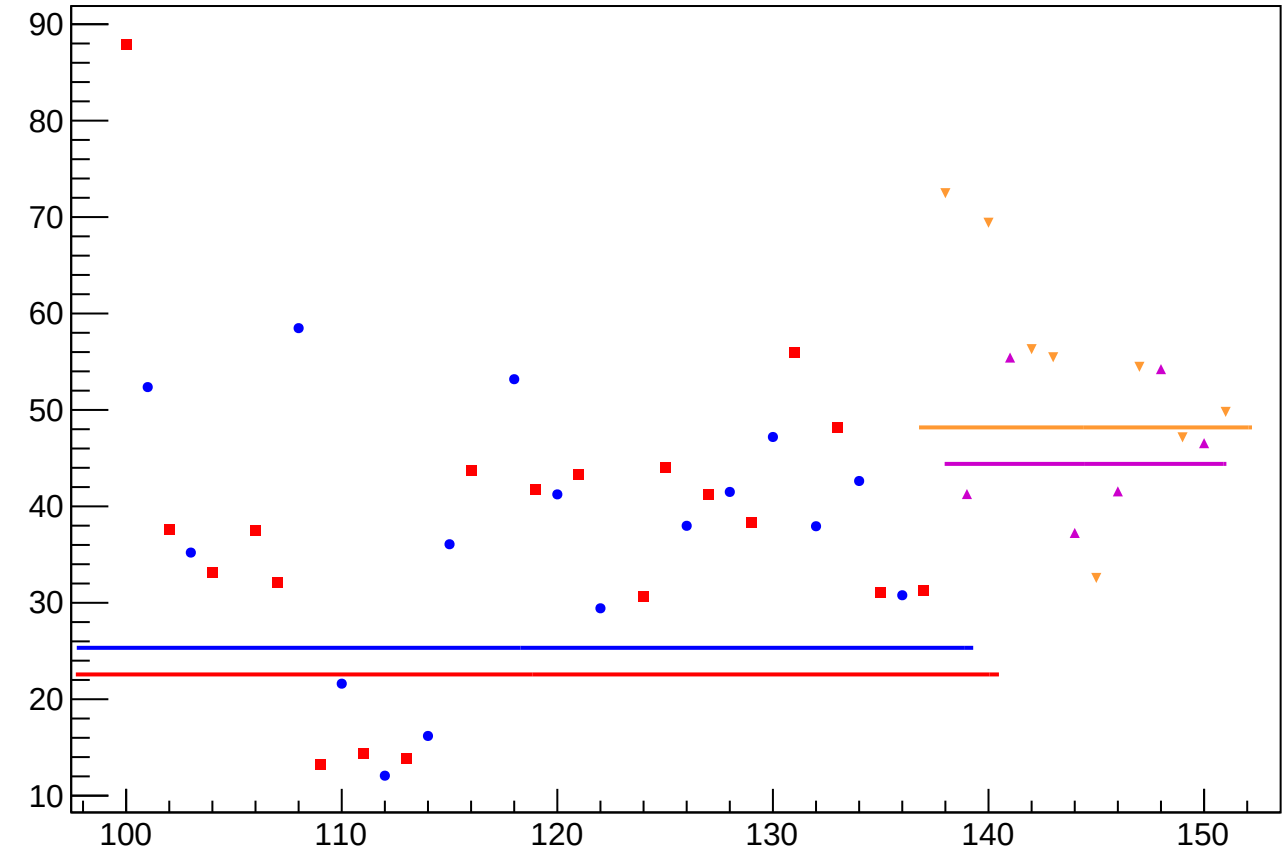
Left: 0.012+/-0.014 χ^2/NDF: 22.8/13

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:28.6/21

Out: -0.010+/-0.009 χ^2/NDF:27.9/26

All: 0.006+/-0.007 χ^2/NDF: 63.3/48



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.188+/-0.014 χ^2/NDF:729268.8/7

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.406+/-0.014 χ^2/NDF:201049.2/5

Left: 46.294+/-0.010 χ^2/NDF: 964770.1/13

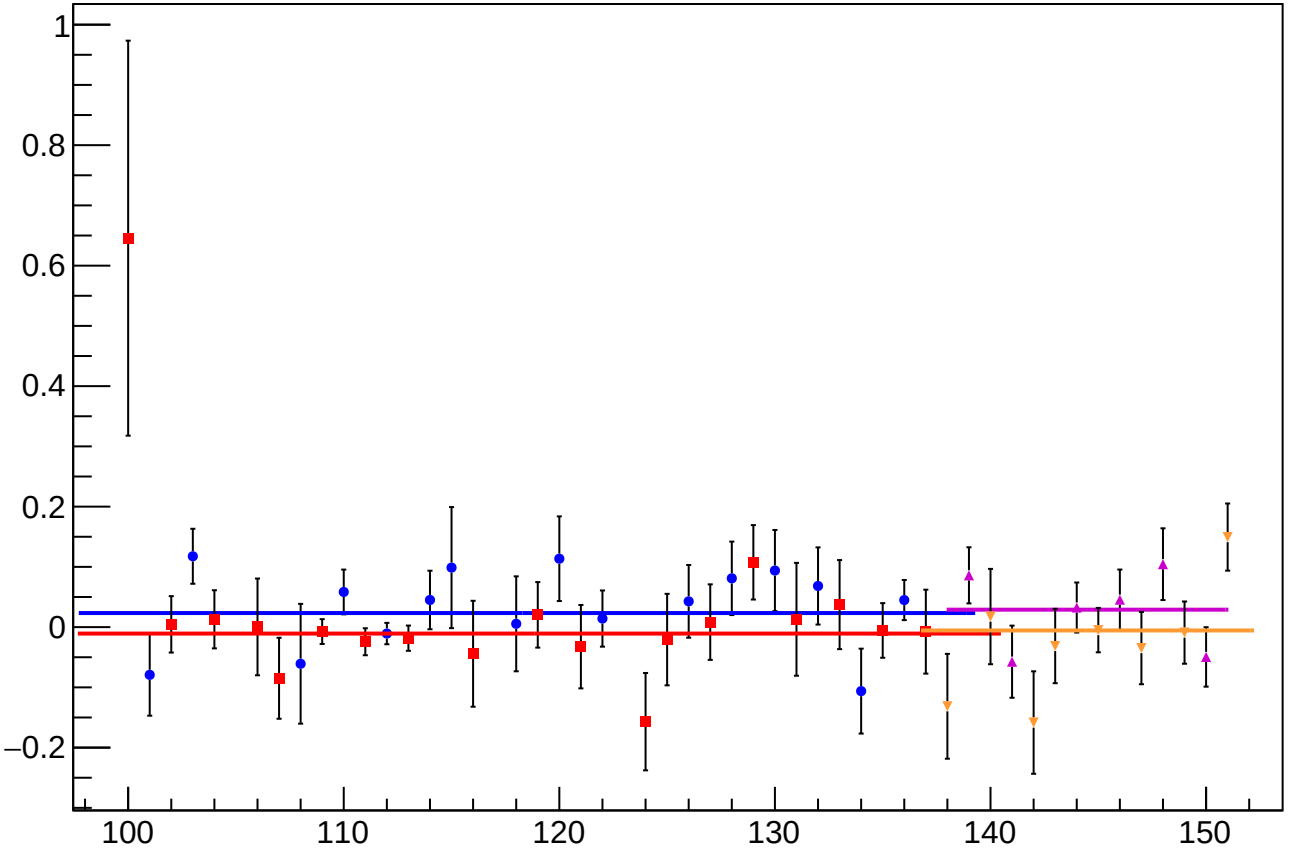
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 29.683+/-0.007 χ^2/NDF:4481176.2/21

Out: 27.378+/-0.006 χ^2/NDF:6432465.9/26

All: 28.420+/-0.005 χ^2/NDF: 10975211.3/48

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: -0.006+/-0.020 χ^2/NDF:13.6/7

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.029+/-0.020 χ^2/NDF:7.8/5

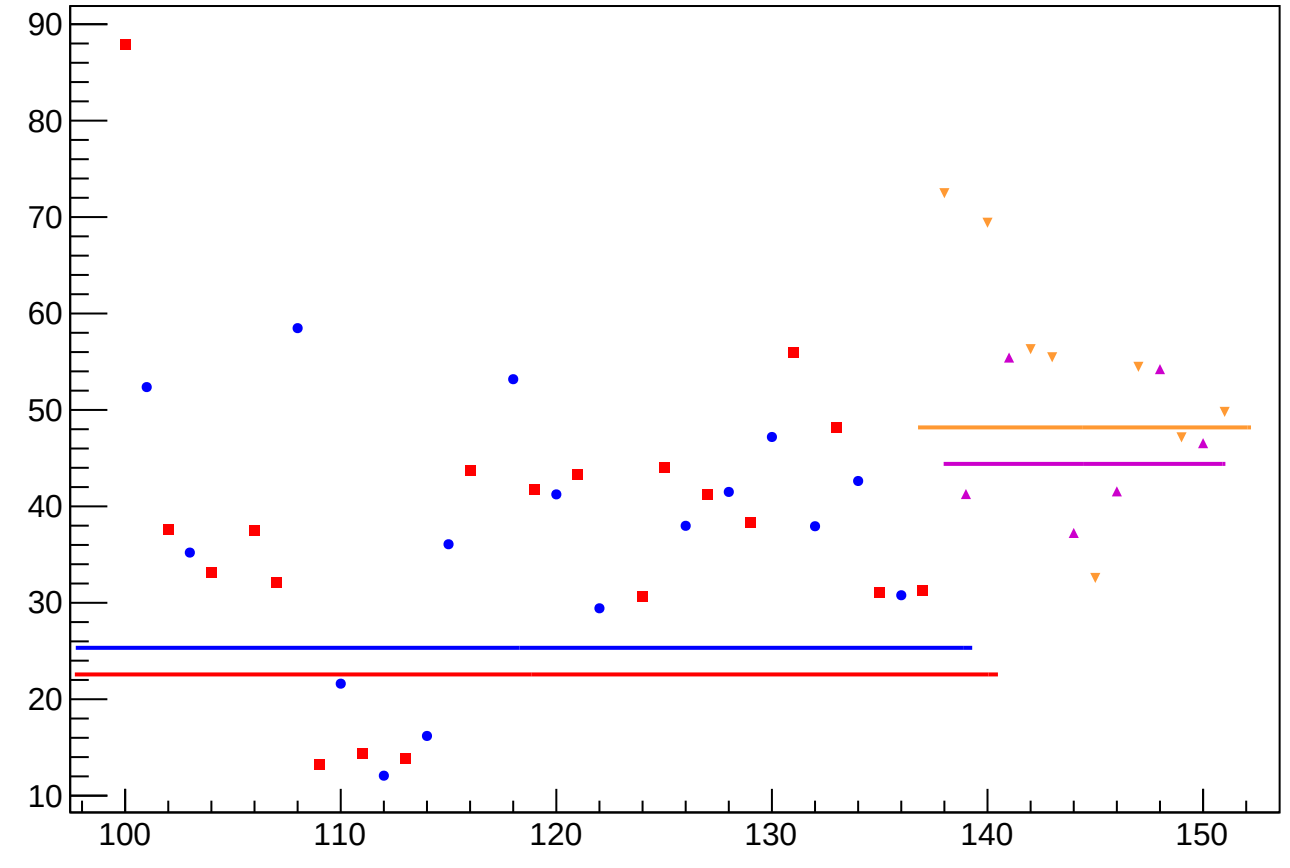
Left: 0.012+/-0.014 χ^2/NDF: 22.8/13

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.010 χ^2/NDF:28.6/21

Out: -0.010+/-0.009 χ^2/NDF:27.9/26

All: 0.006+/-0.007 χ^2/NDF: 63.3/48



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.188+/-0.014 χ^2/NDF:729268.8/7

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.406+/-0.014 χ^2/NDF:201049.2/5

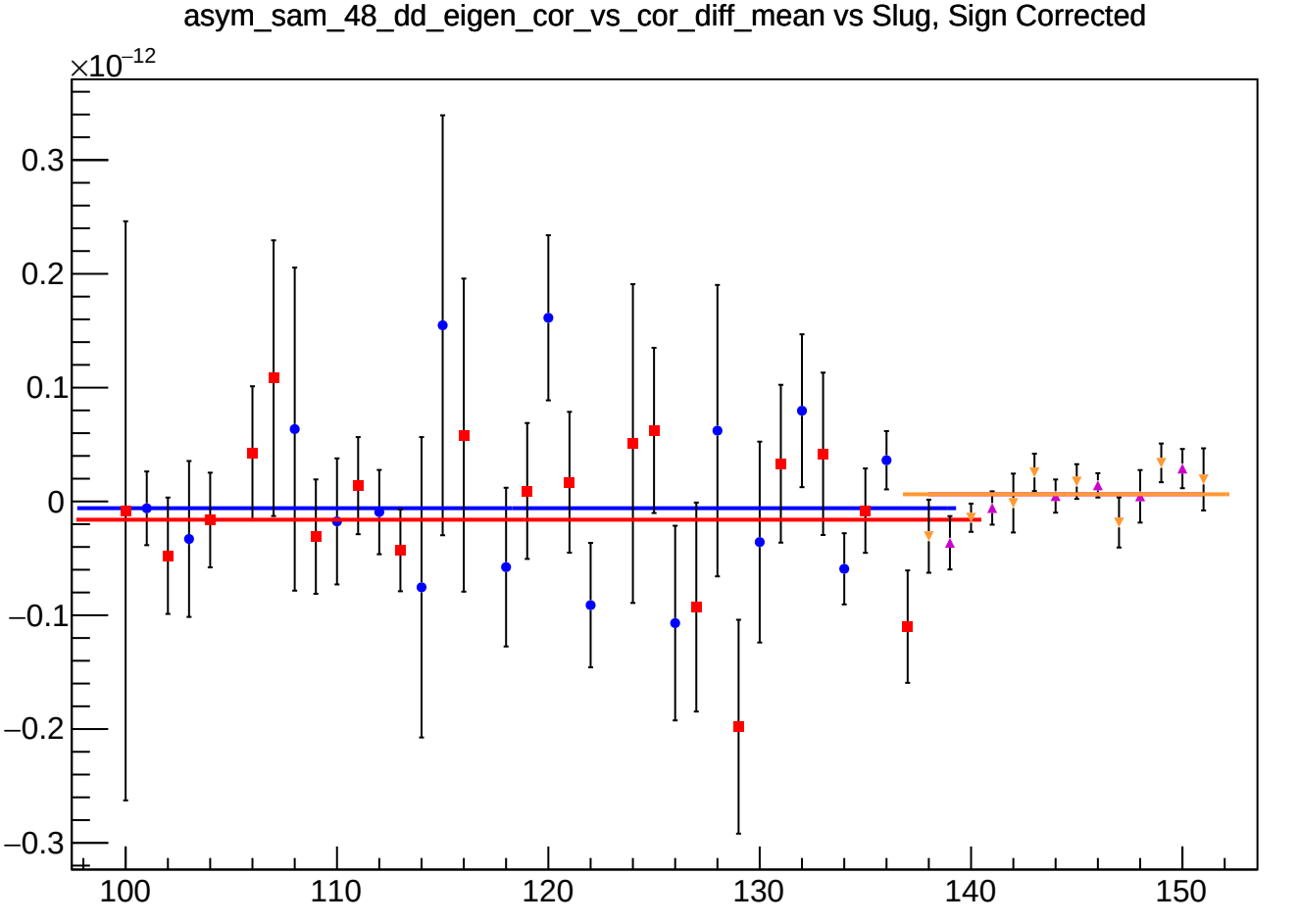
Left: 46.294+/-0.010 χ^2/NDF: 964770.1/13

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 29.683+/-0.007 χ^2/NDF:4481176.2/21

Out: 27.378+/-0.006 χ^2/NDF:6432465.9/26

All: 28.420+/-0.005 χ^2/NDF: 10975211.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/5

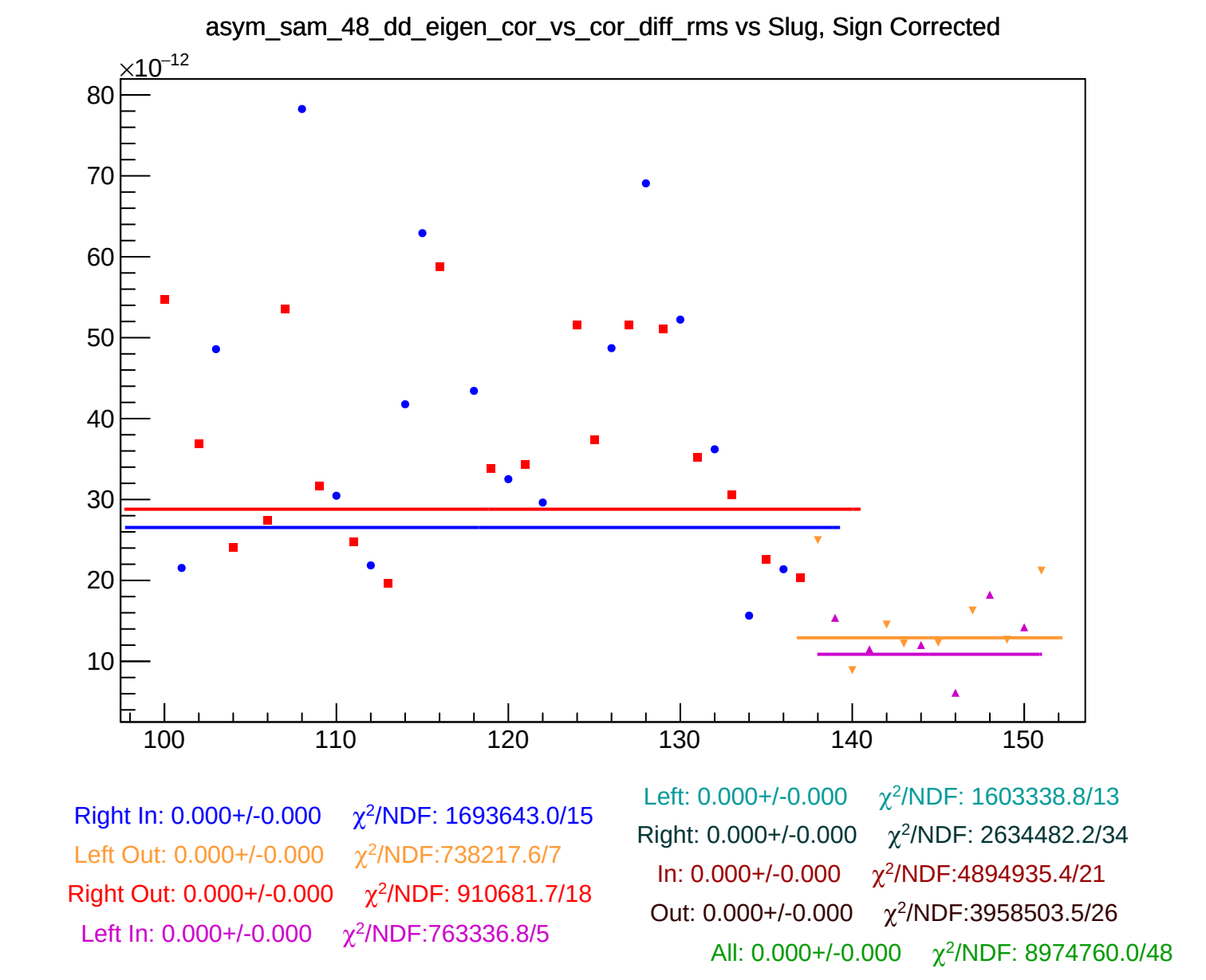
Left: 0.000+/-0.000 χ^2/NDF: 16.5/13

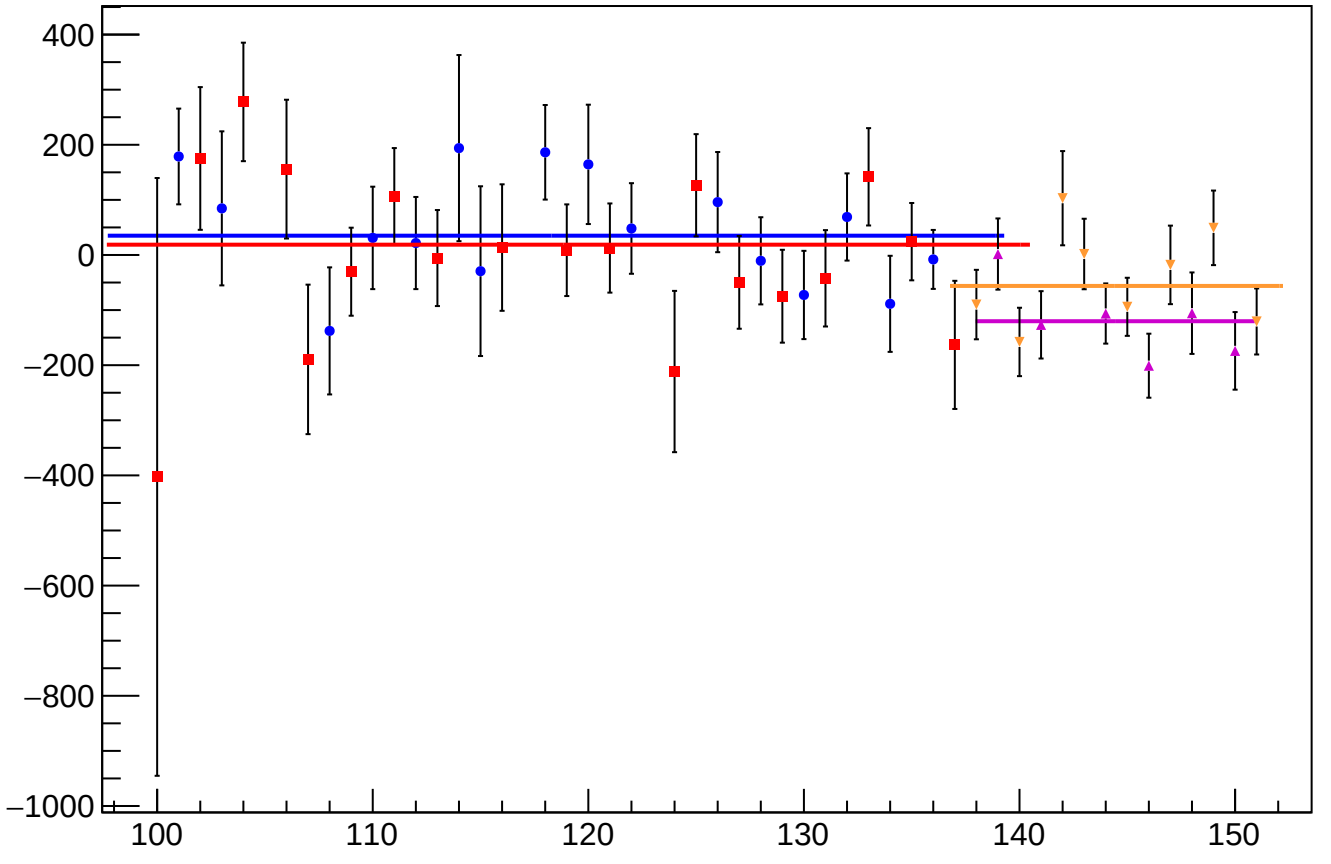
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:25.8/21

Out: 0.000+/-0.000 χ^2/NDF:27.5/26

All: 0.000+/-0.000 χ^2/NDF: 53.3/48


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:738217.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:763336.8/5
Left: 0.000+/-0.000 χ²/NDF: 1603338.8/13
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:4894935.4/21
Out: 0.000+/-0.000 χ²/NDF:3958503.5/26
All: 0.000+/-0.000 χ²/NDF: 8974760.0/48



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -56.167+/-22.668 χ^2/NDF:11.6/7

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -120.204+/-25.621 χ^2/NDF:6.2/5

Left: -84.285+/-16.977 χ^2/NDF: 21.3/13

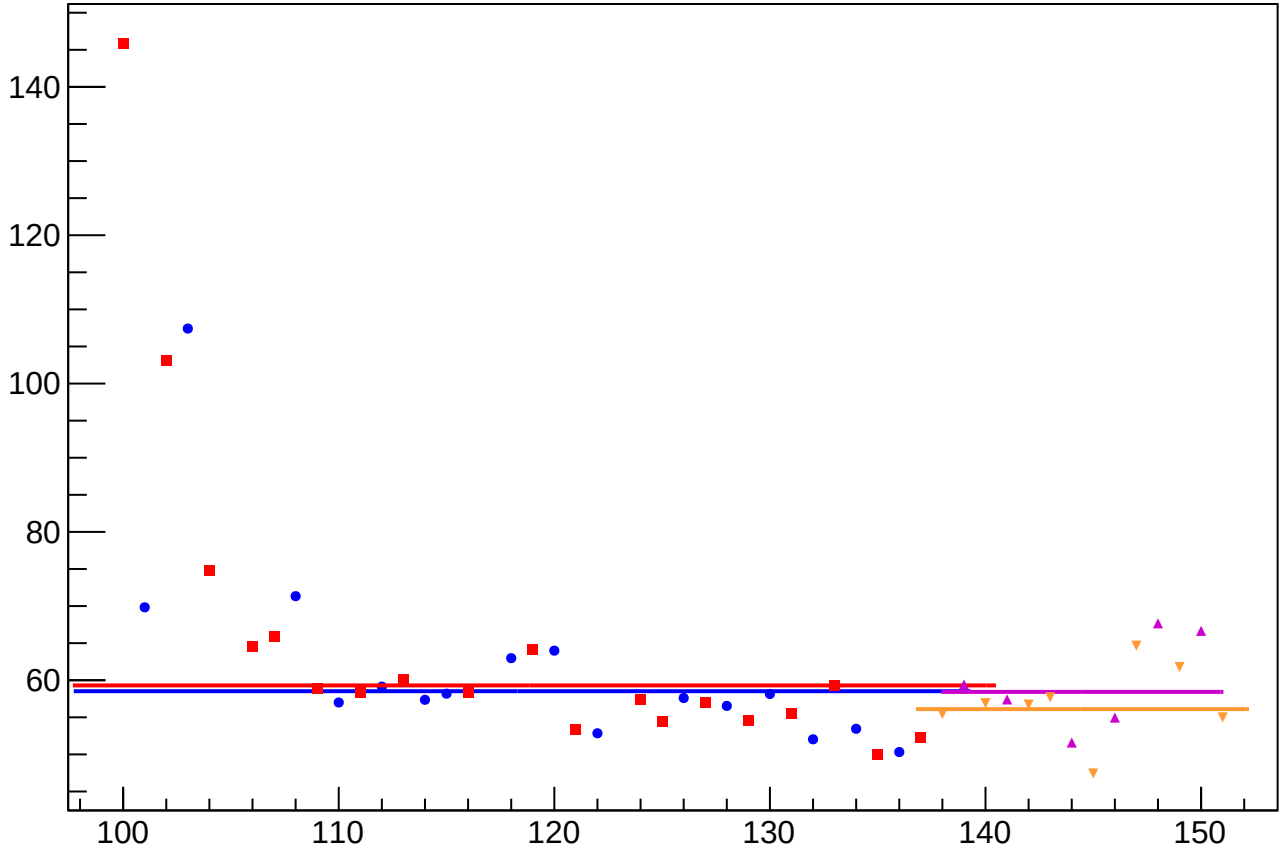
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -31.320+/-16.750 χ^2/NDF:43.4/21

Out: -17.851+/-15.838 χ^2/NDF:40.7/26

All: -24.209+/-11.508 χ^2/NDF: 84.5/48

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.107+/-0.016 χ^2/NDF:99728.7/7

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.431+/-0.018 χ^2/NDF:98022.6/5

Left: 57.127+/-0.012 χ^2/NDF: 206974.6/13

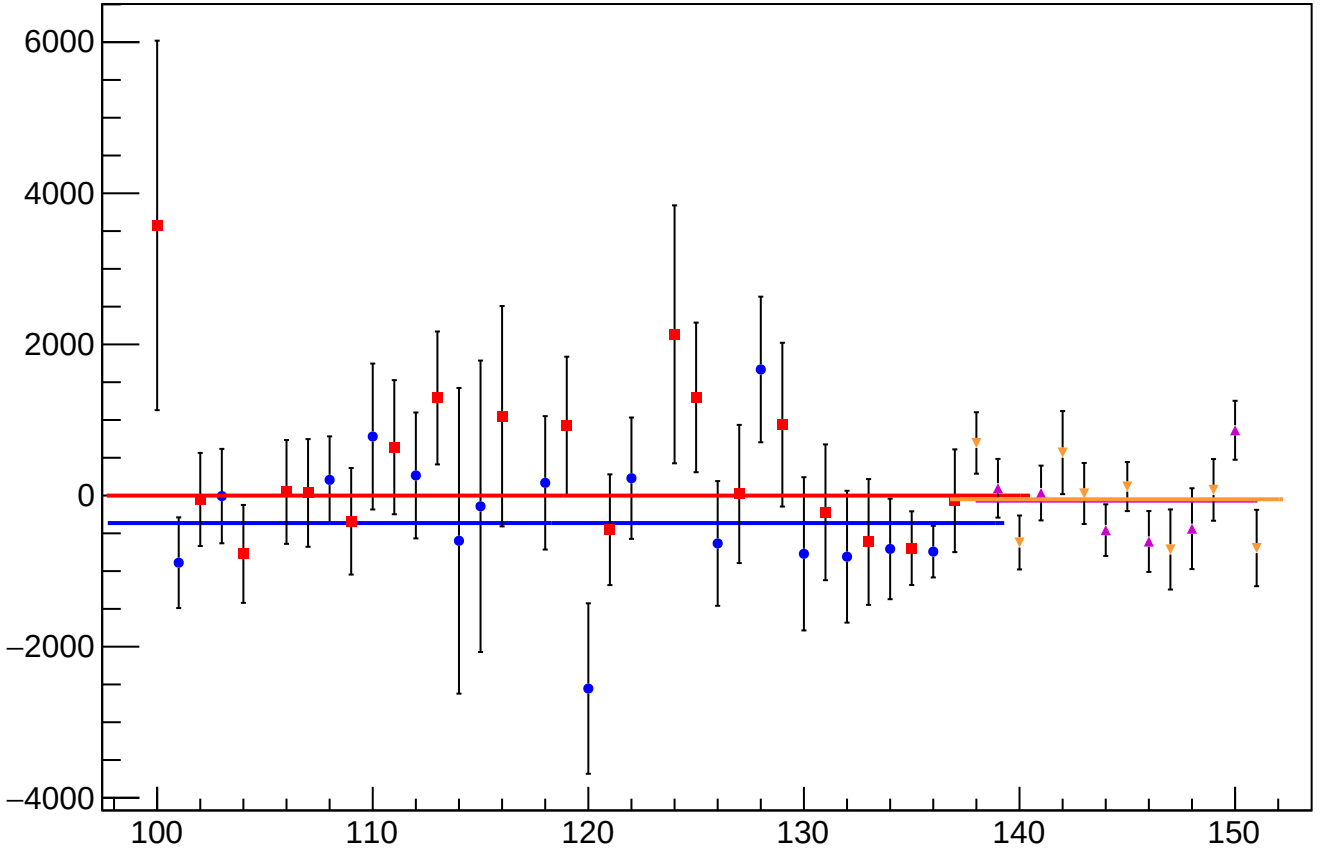
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.483+/-0.012 χ^2/NDF:490779.5/21

Out: 57.742+/-0.011 χ^2/NDF:526662.4/26

All: 58.092+/-0.008 χ^2/NDF: 1019505.7/48

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -49.572+/-146.929 χ^2/NDF:10.8/7

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -67.382+/-160.065 χ^2/NDF:9.5/5

Left: -57.716+/-108.241 χ^2/NDF: 20.3/13

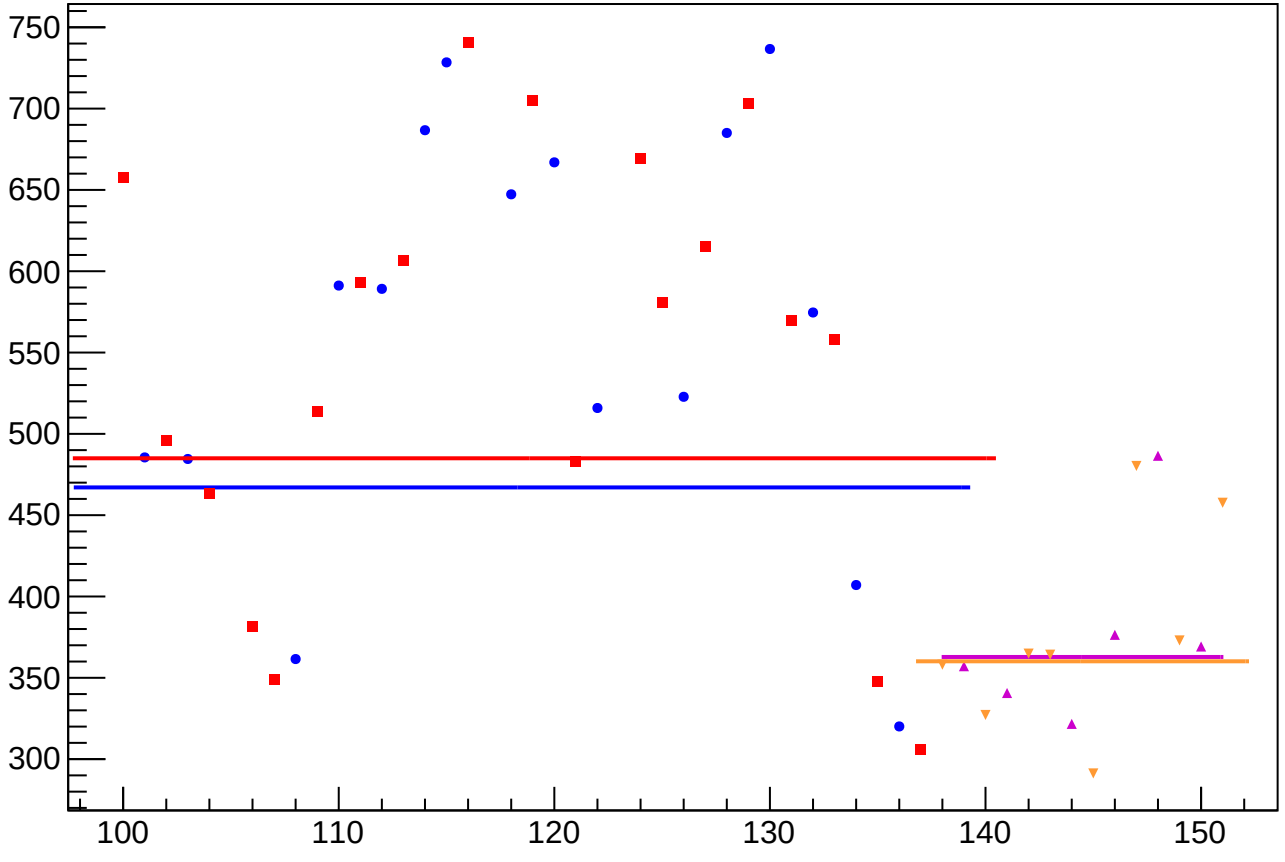
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -197.909+/-119.788 χ^2/NDF:26.3/21

Out: -30.376+/-114.591 χ^2/NDF:25.9/26

All: -110.429+/-82.805 χ^2/NDF: 53.2/48

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: 360.146+/-0.104 χ^2/NDF:286901.2/7

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 362.812+/-0.113 χ^2/NDF:146662.0/5

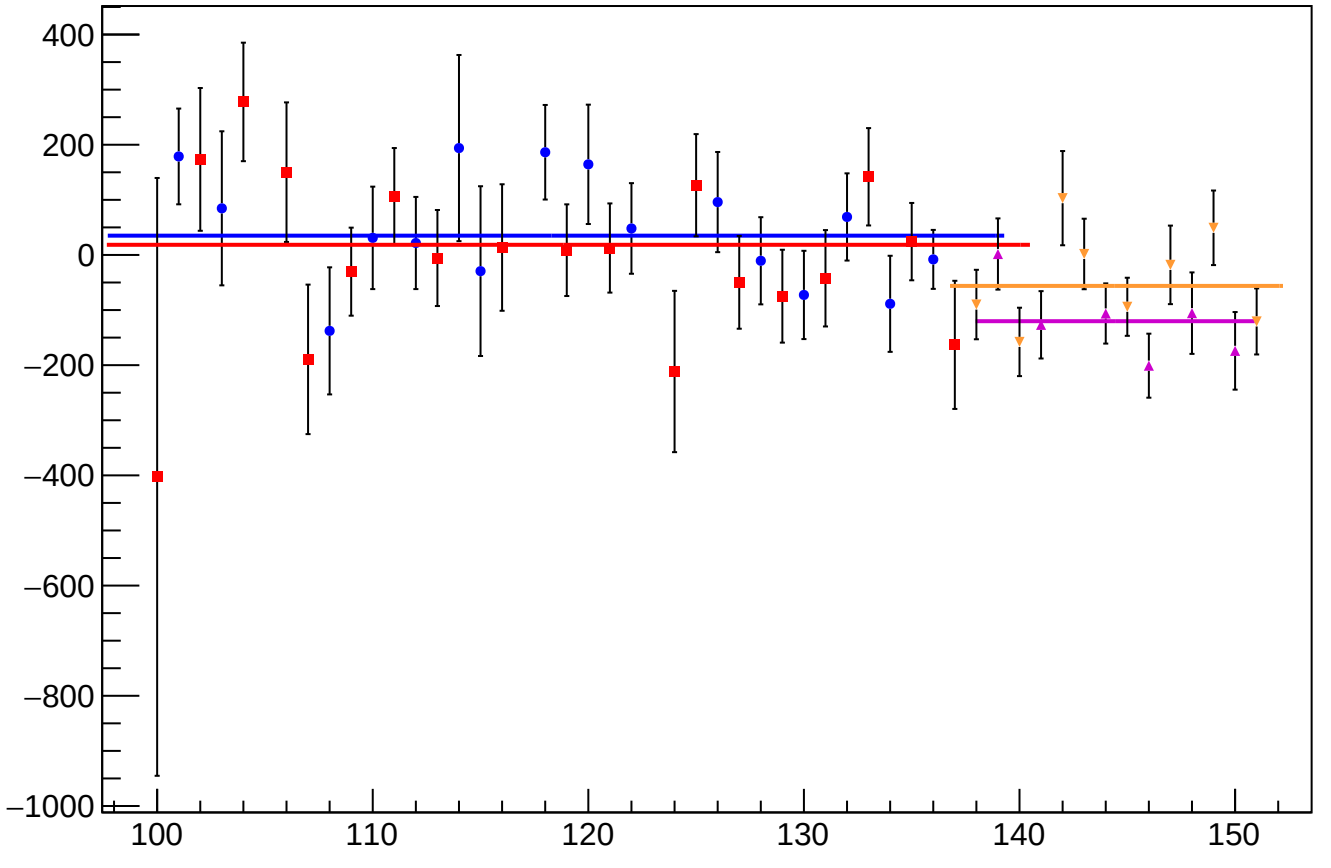
Left: 361.365+/-0.077 χ^2/NDF: 433864.4/13

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 408.678+/-0.085 χ^2/NDF:1550212.5/21

Out: 409.049+/-0.081 χ^2/NDF:1726578.5/26

All: 408.872+/-0.059 χ^2/NDF: 3276801.0/48



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -56.168+/-22.668 χ^2/NDF:11.6/7

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -120.205+/-25.621 χ^2/NDF:6.2/5

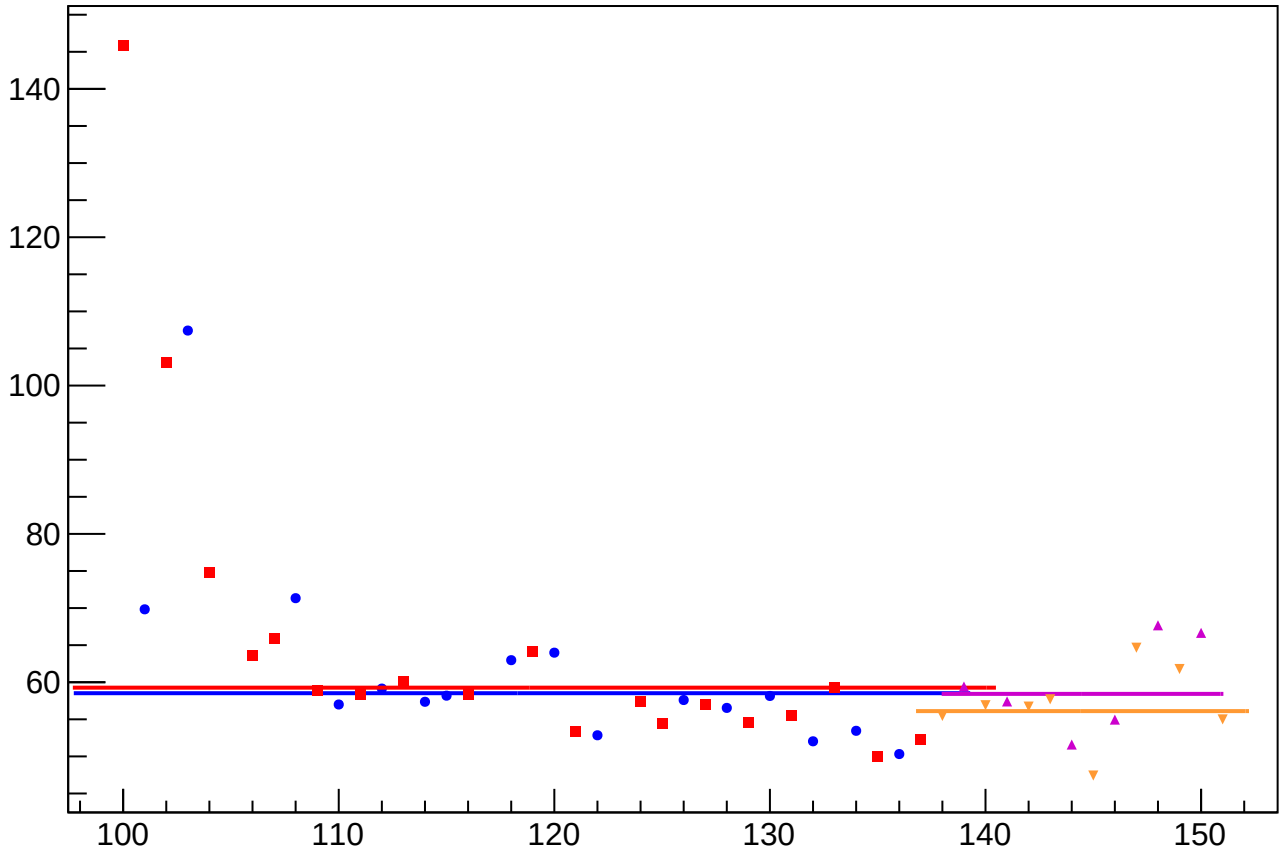
Left: -84.285+/-16.977 χ^2/NDF: 21.3/13

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -31.321+/-16.750 χ^2/NDF:43.4/21

Out: -17.998+/-15.839 χ^2/NDF:40.6/26

All: -24.287+/-11.508 χ^2/NDF: 84.3/48



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.107+/-0.016 χ^2/NDF:99728.7/7

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.431+/-0.018 χ^2/NDF:98022.6/5

Left: 57.127+/-0.012 χ^2/NDF: 206974.7/13

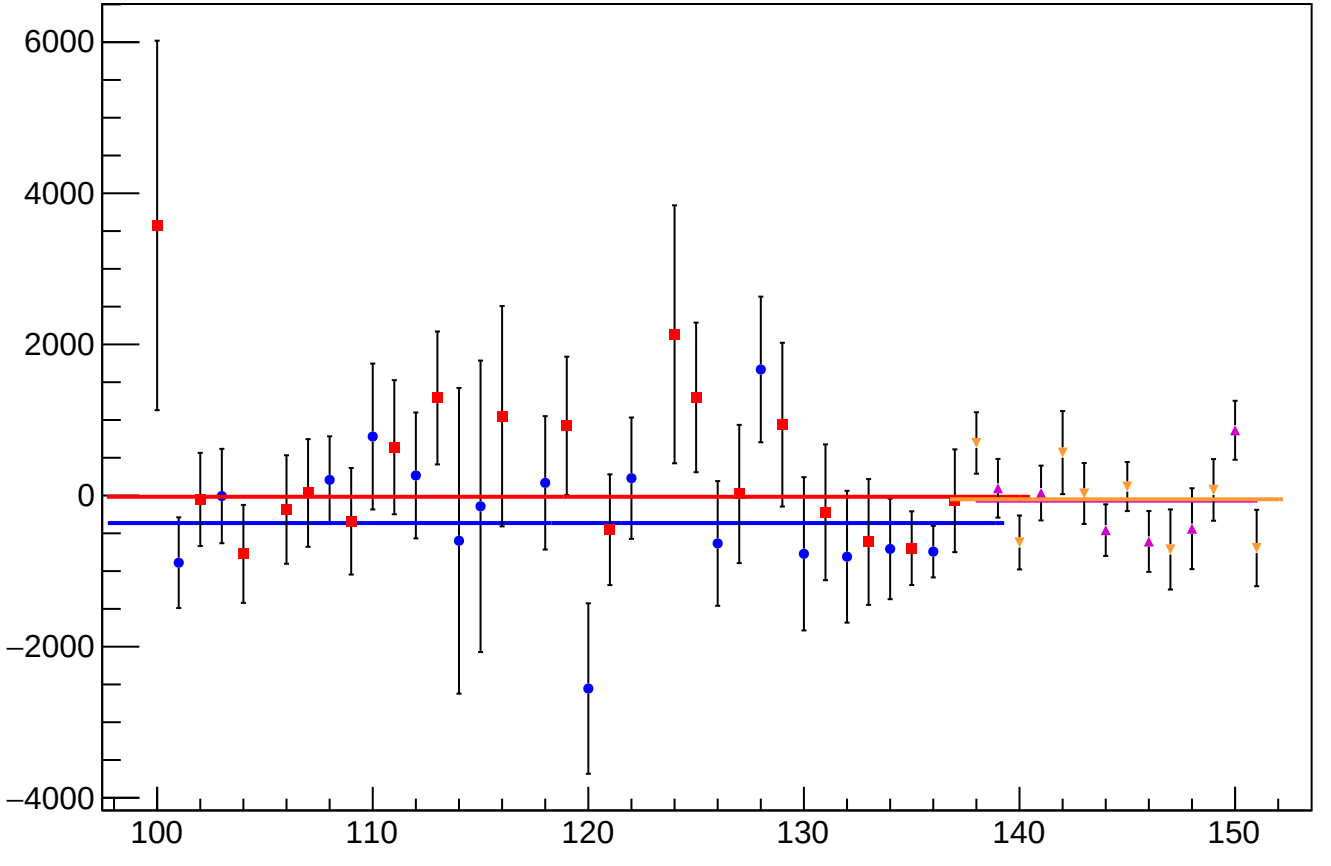
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.483+/-0.012 χ^2/NDF:490781.5/21

Out: 57.726+/-0.011 χ^2/NDF:525260.6/26

All: 58.083+/-0.008 χ^2/NDF: 1018199.3/48

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: -49.575+/-146.929 χ^2/NDF:10.8/7

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -67.379+/-160.065 χ^2/NDF:9.5/5

Left: -57.717+/-108.241 χ^2/NDF: 20.3/13

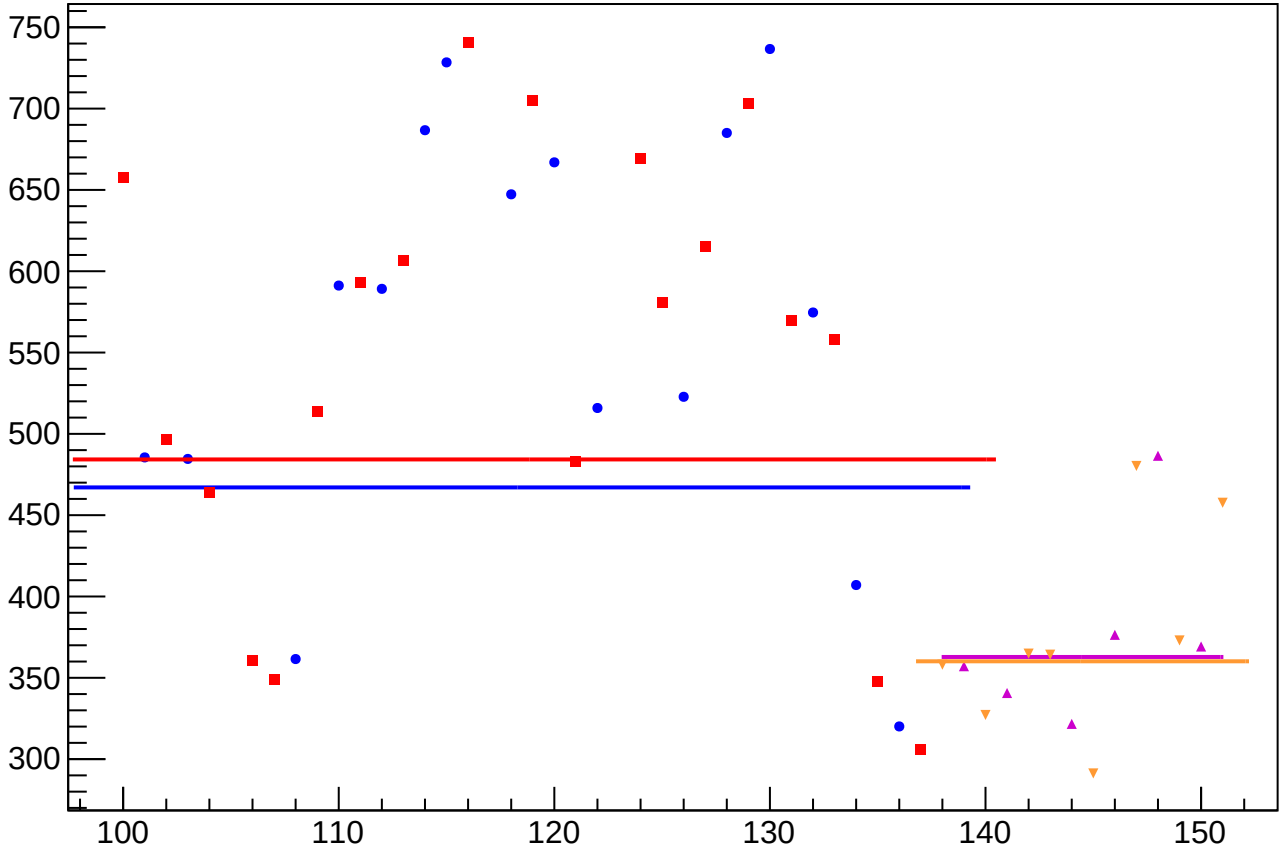
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -197.891+/-119.789 χ^2/NDF:26.3/21

Out: -36.506+/-114.730 χ^2/NDF:25.9/26

All: -113.718+/-82.857 χ^2/NDF: 53.2/48

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: 360.146+/-0.104 χ^2/NDF:286902.1/7

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 362.813+/-0.113 χ^2/NDF:146661.6/5

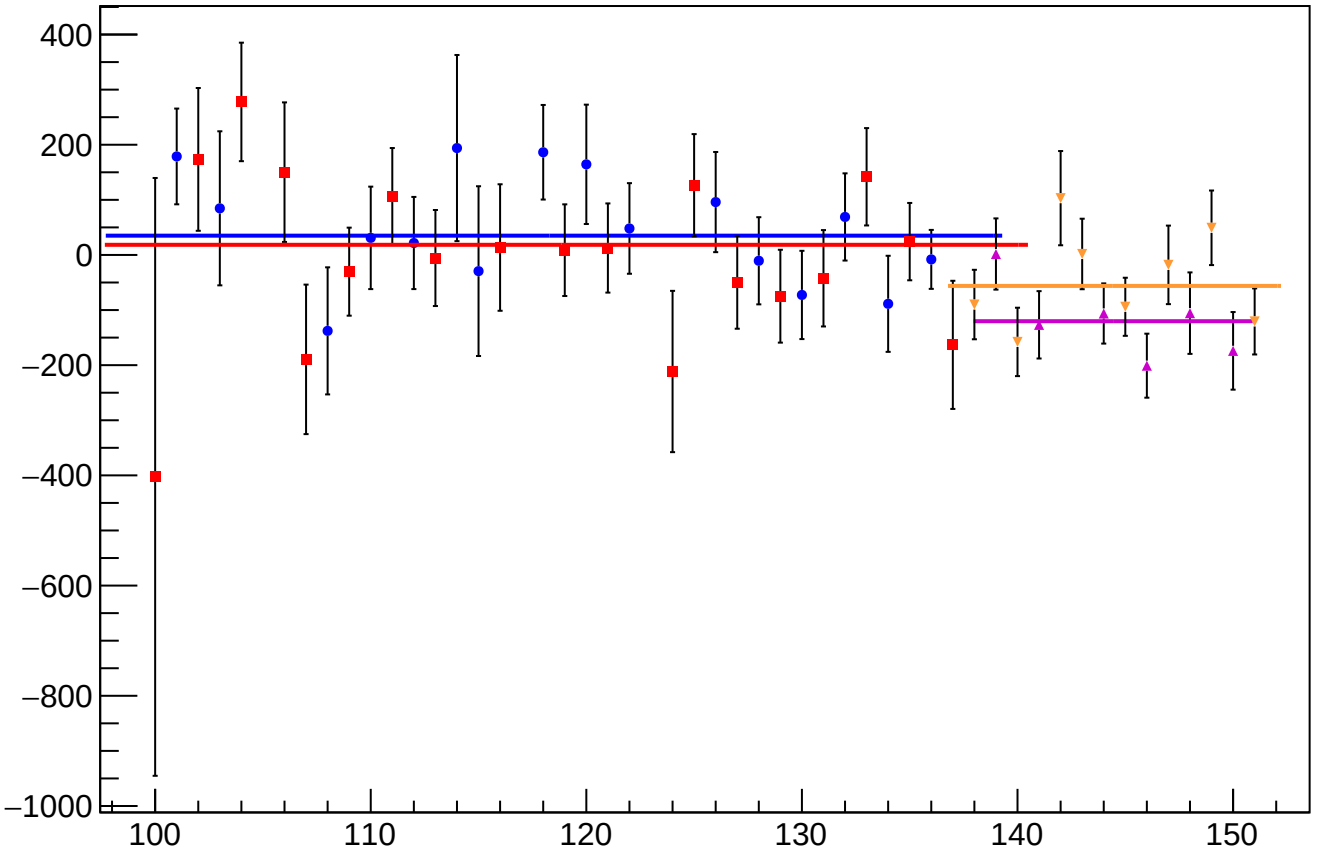
Left: 361.365+/-0.077 χ^2/NDF: 433865.0/13

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 408.679+/-0.085 χ^2/NDF:1550228.8/21

Out: 408.589+/-0.081 χ^2/NDF:1732782.9/26

All: 408.633+/-0.059 χ^2/NDF: 3283012.3/48



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -56.168+/-22.668 χ^2/NDF:11.6/7

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -120.205+/-25.621 χ^2/NDF:6.2/5

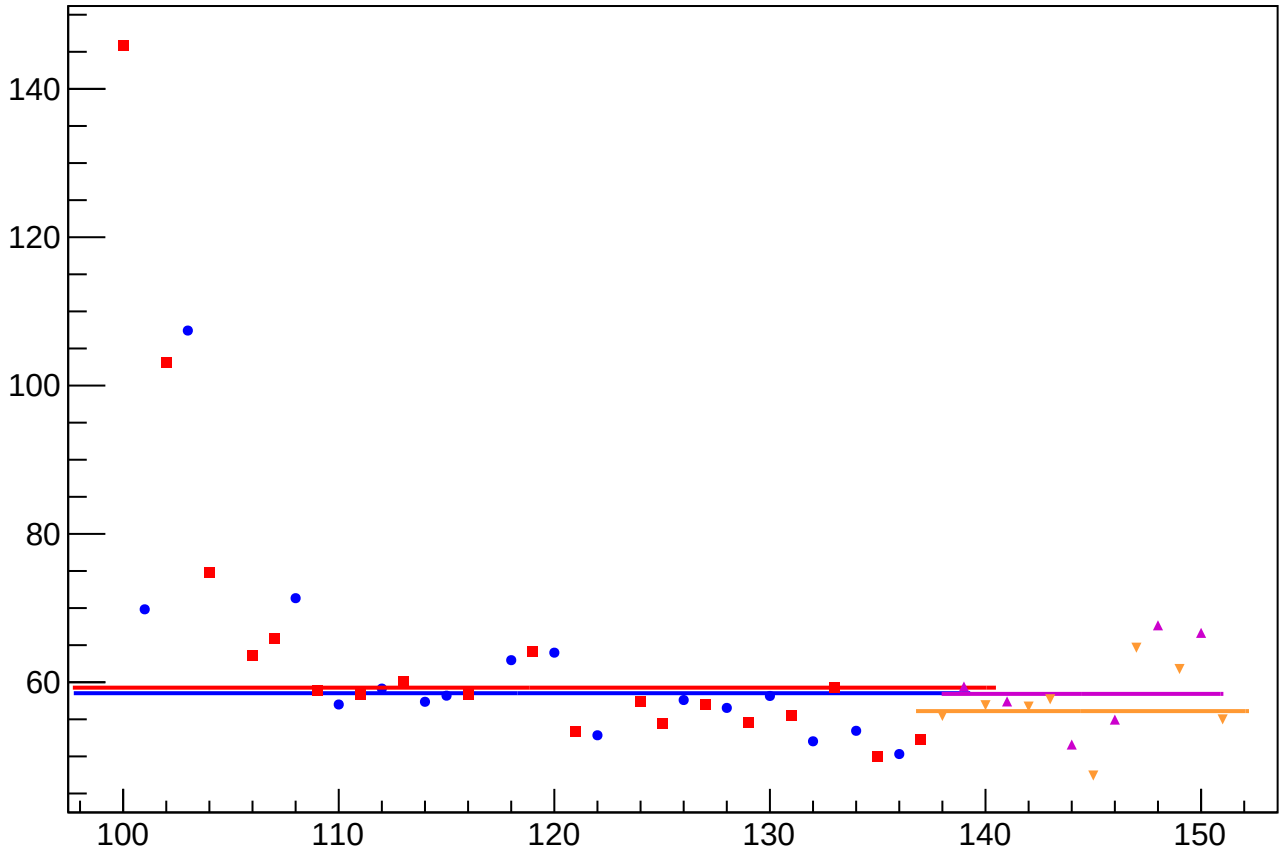
Left: -84.285+/-16.977 χ^2/NDF: 21.3/13

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -31.321+/-16.750 χ^2/NDF:43.4/21

Out: -17.998+/-15.839 χ^2/NDF:40.6/26

All: -24.287+/-11.508 χ^2/NDF: 84.3/48



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.107+/-0.016 χ^2/NDF:99728.7/7

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.431+/-0.018 χ^2/NDF:98022.6/5

Left: 57.127+/-0.012 χ^2/NDF: 206974.7/13

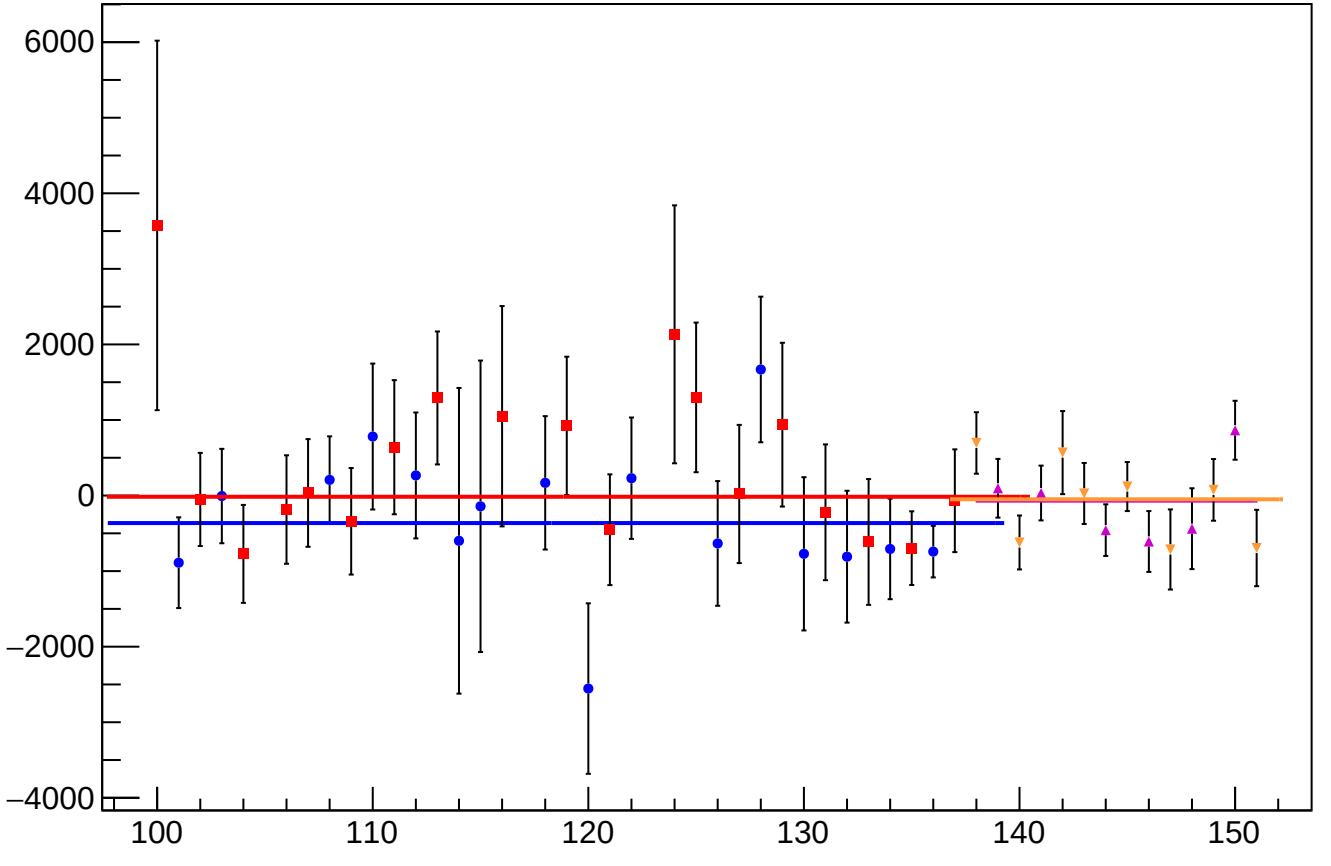
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.483+/-0.012 χ^2/NDF:490781.5/21

Out: 57.726+/-0.011 χ^2/NDF:525260.6/26

All: 58.083+/-0.008 χ^2/NDF: 1018199.3/48

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: -49.575+/-146.929 χ^2/NDF:10.8/7

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -67.379+/-160.065 χ^2/NDF:9.5/5

Left: -57.717+/-108.241 χ^2/NDF: 20.3/13

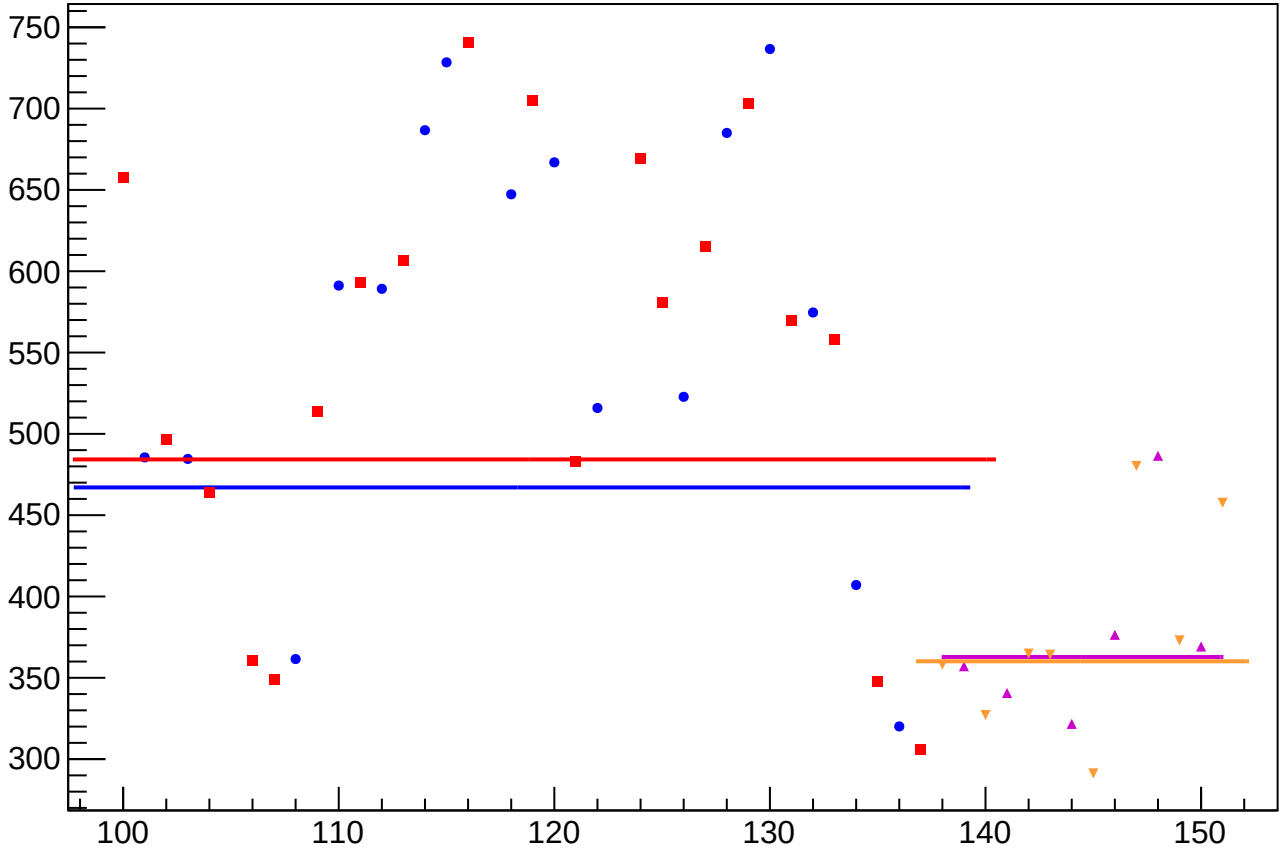
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -197.891+/-119.789 χ^2/NDF:26.3/21

Out: -36.506+/-114.730 χ^2/NDF:25.9/26

All: -113.718+/-82.857 χ^2/NDF: 53.2/48

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: 360.146+/-0.104 χ^2/NDF:286902.1/7

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 362.813+/-0.113 χ^2/NDF:146661.6/5

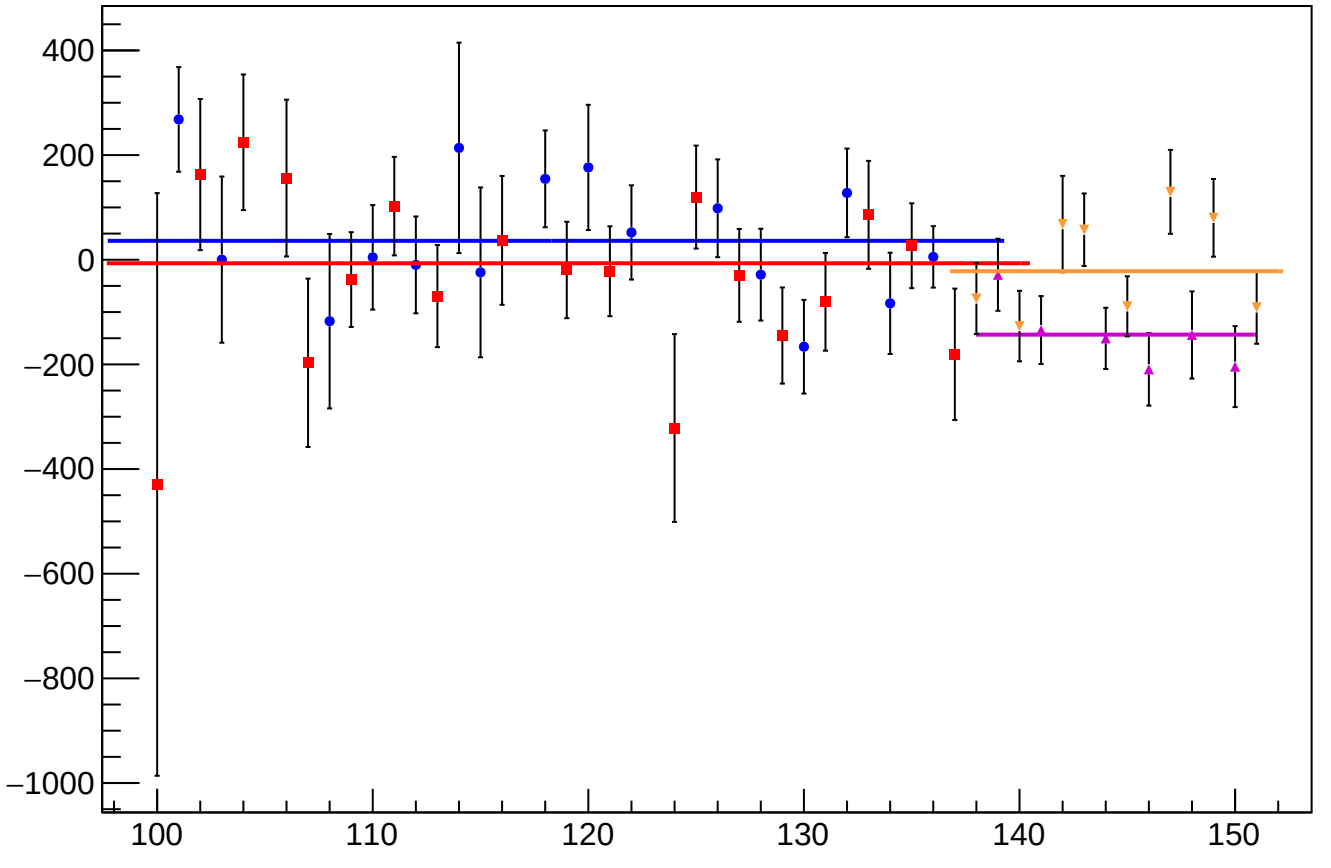
Left: 361.365+/-0.077 χ^2/NDF: 433865.0/13

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 408.679+/-0.085 χ^2/NDF:1550228.8/21

Out: 408.589+/-0.081 χ^2/NDF:1732782.9/26

All: 408.633+/-0.059 χ^2/NDF: 3283012.3/48



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -21.925+/-24.907 χ^2/NDF:13.1/7

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -143.105+/-28.178 χ^2/NDF:4.3/5

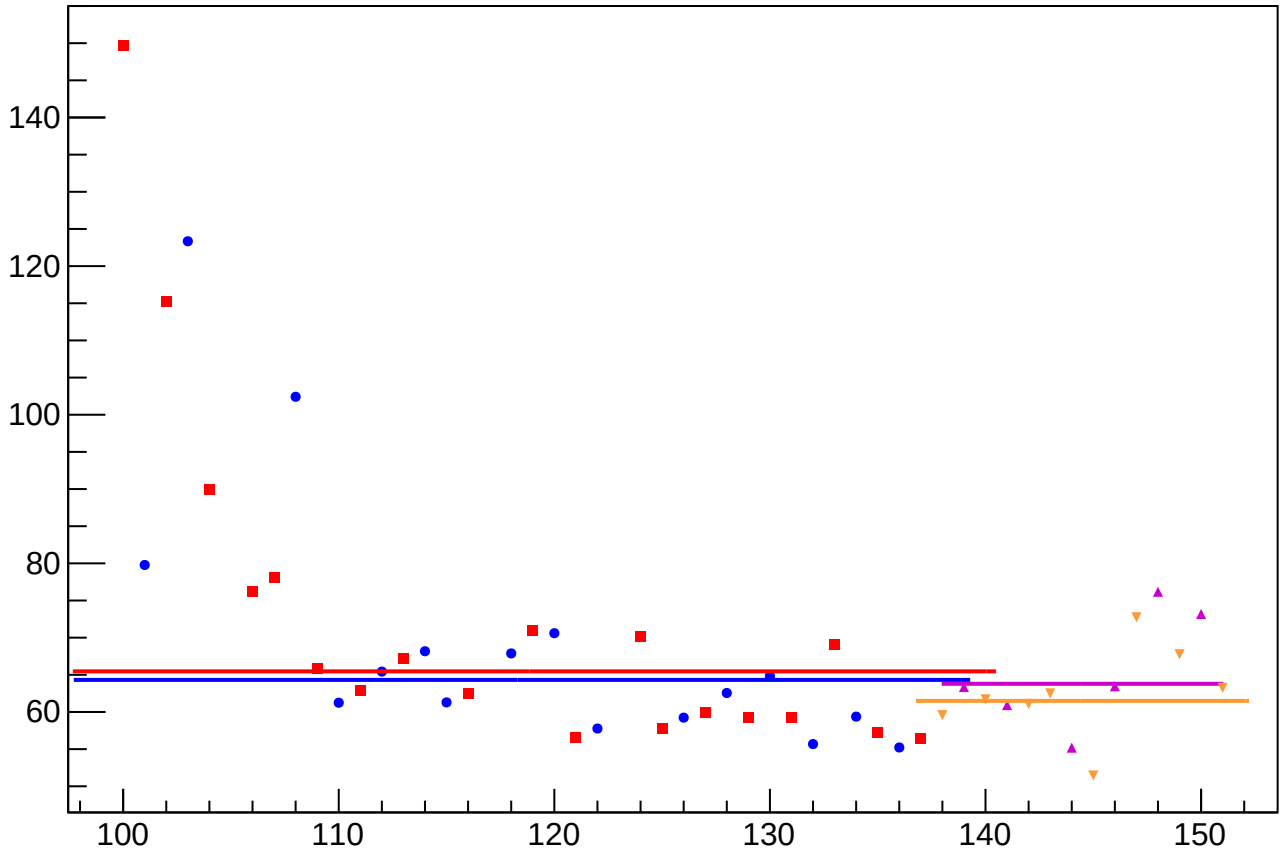
Left: -75.076+/-18.662 χ^2/NDF: 27.8/13

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -40.916+/-18.476 χ^2/NDF:47.0/21

Out: -14.224+/-17.490 χ^2/NDF:33.6/26

All: -26.839+/-12.702 χ^2/NDF: 81.8/48



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.492+/-0.018 χ^2/NDF:118126.9/7

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.793+/-0.020 χ^2/NDF:120945.3/5

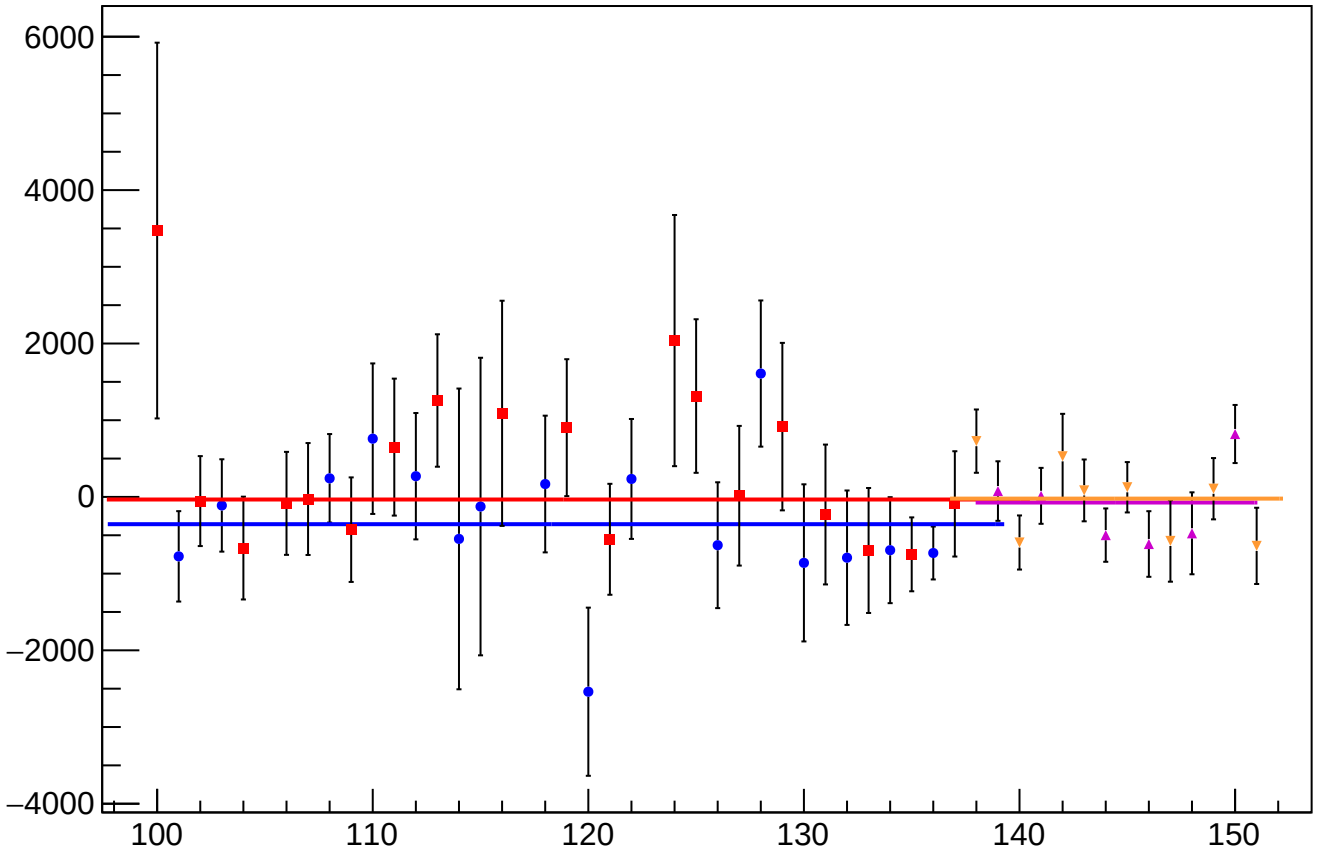
Left: 62.501+/-0.013 χ^2/NDF: 246559.9/13

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 64.091+/-0.013 χ^2/NDF:653403.4/21

Out: 63.506+/-0.012 χ^2/NDF:626299.1/26

All: 63.783+/-0.009 χ^2/NDF: 1280759.5/48



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -22.210+/-146.702 χ^2/NDF:9.9/7

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -73.120+/-161.446 χ^2/NDF:9.4/5

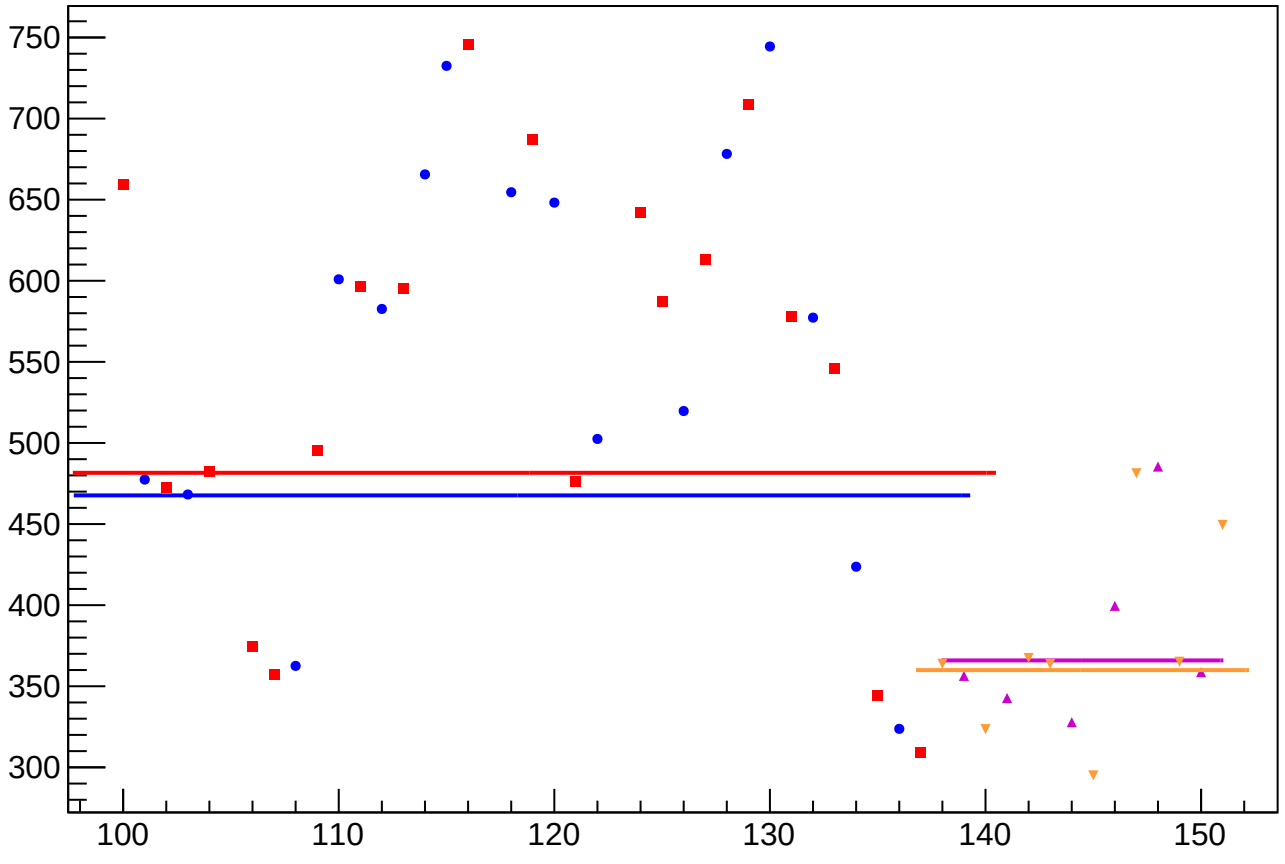
Left: -45.234+/-108.573 χ^2/NDF: 19.4/13

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -198.765+/-120.285 χ^2/NDF:25.6/21

Out: -26.782+/-114.108 χ^2/NDF:25.3/26

All: -108.244+/-82.784 χ^2/NDF: 52.0/48



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 359.946+/-0.104 χ^2/NDF:269774.0/7

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 365.926+/-0.114 χ^2/NDF:146465.7/5

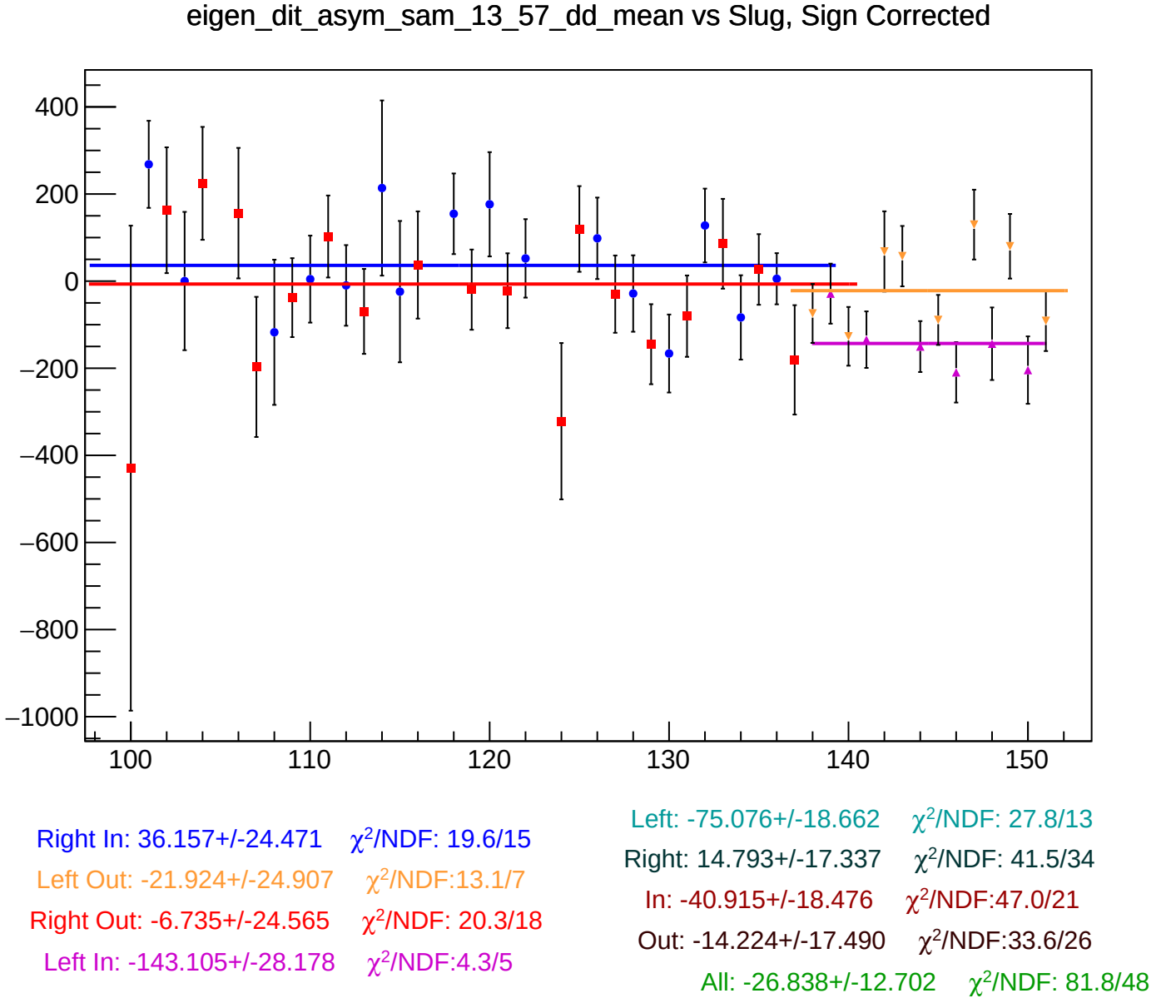
Left: 362.651+/-0.077 χ^2/NDF: 417742.3/13

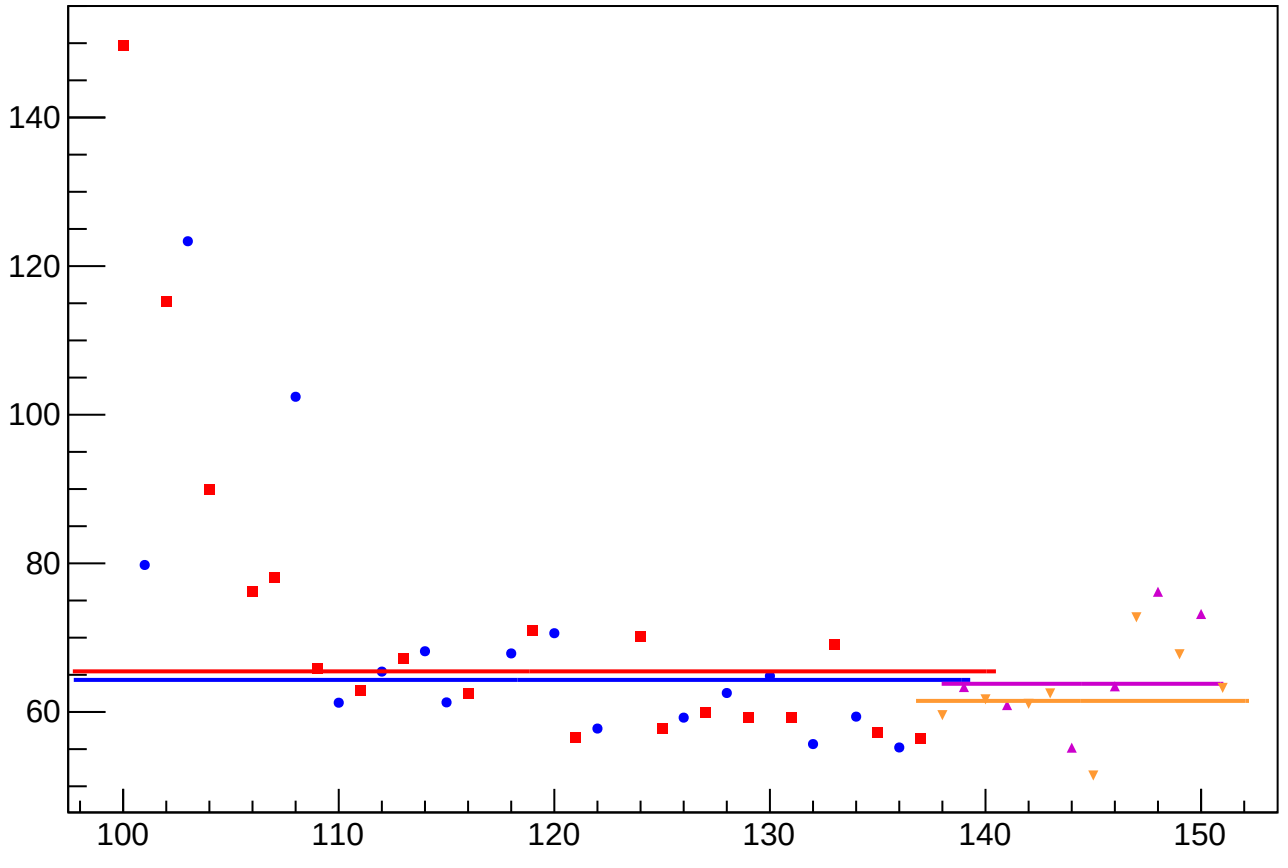
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 411.194+/-0.085 χ^2/NDF:1485834.7/21

Out: 407.998+/-0.081 χ^2/NDF:1667296.5/26

All: 409.512+/-0.059 χ^2/NDF: 3153874.2/48


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -21.924+/-24.907 χ²/NDF:13.1/7
Right Out: -6.735+/-24.565 χ²/NDF: 20.3/18
Left In: -143.105+/-28.178 χ²/NDF:4.3/5
Left: -75.076+/-18.662 χ²/NDF: 27.8/13
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -40.915+/-18.476 χ²/NDF:47.0/21
Out: -14.224+/-17.490 χ²/NDF:33.6/26
All: -26.838+/-12.702 χ²/NDF: 81.8/48



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.492+/-0.018 χ^2/NDF:118129.7/7

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.793+/-0.020 χ^2/NDF:120947.8/5

Left: 62.501+/-0.013 χ^2/NDF: 246565.1/13

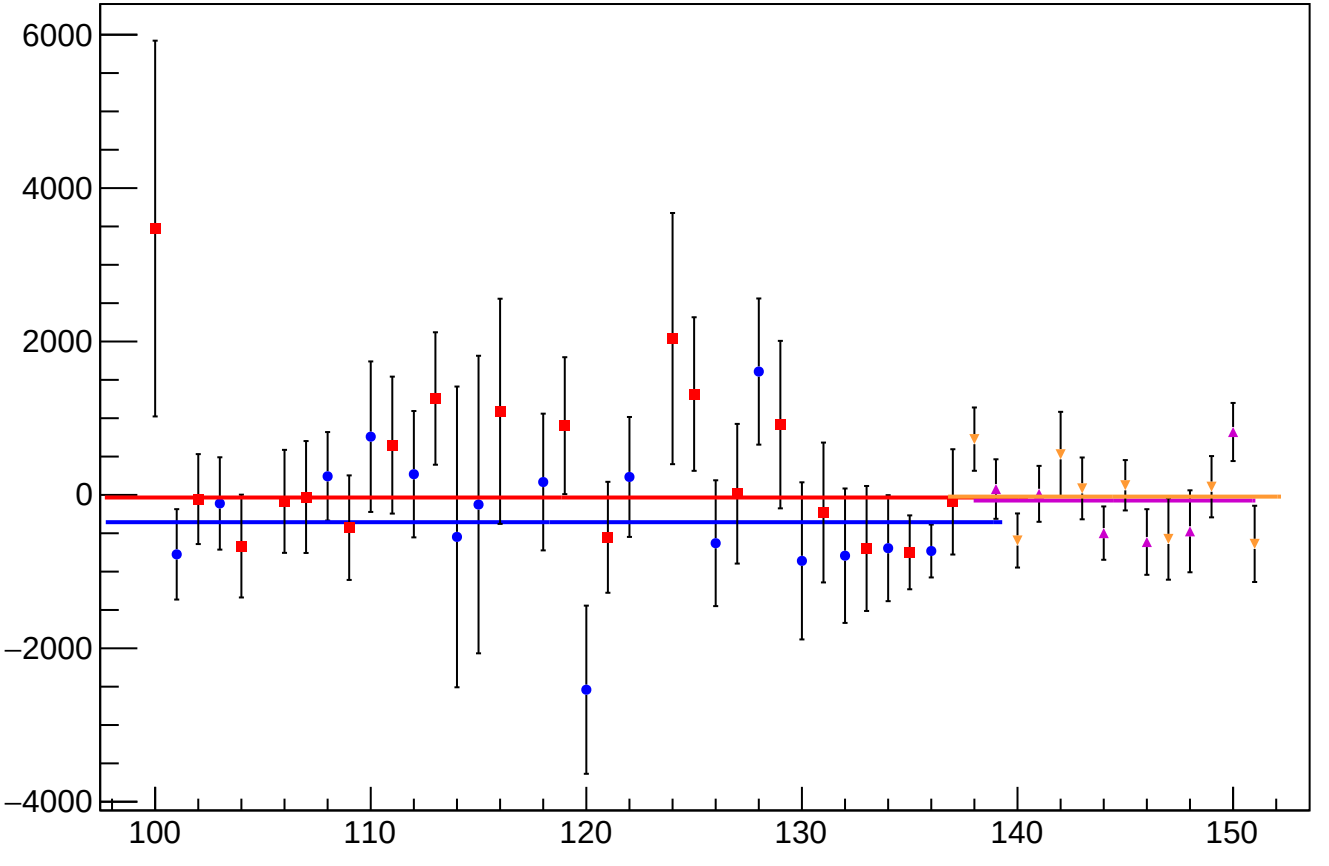
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 64.091+/-0.013 χ^2/NDF:653414.1/21

Out: 63.506+/-0.012 χ^2/NDF:626305.8/26

All: 63.783+/-0.009 χ^2/NDF: 1280776.8/48

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -22.210+/-146.702 χ^2/NDF:9.9/7

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -73.120+/-161.447 χ^2/NDF:9.4/5

Left: -45.234+/-108.573 χ^2/NDF: 19.4/13

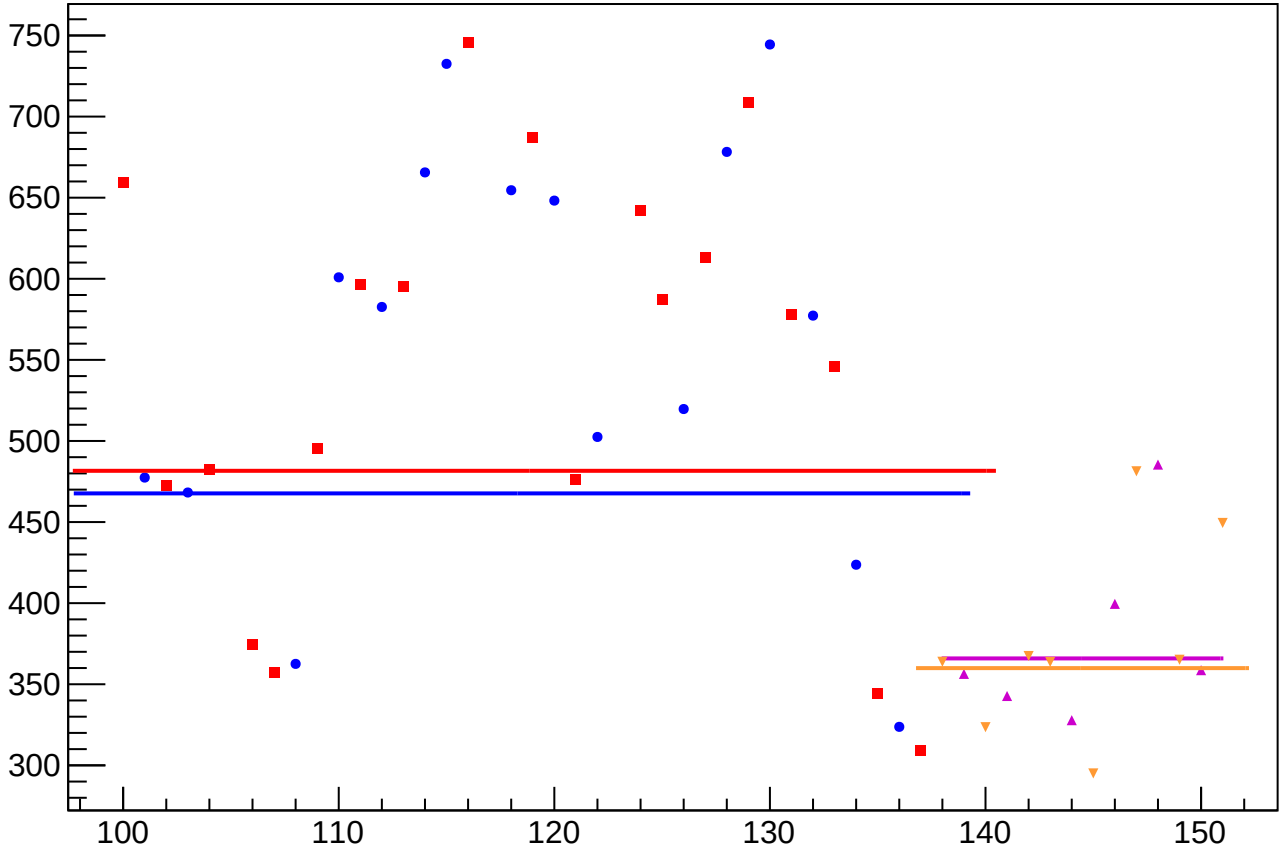
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -198.765+/-120.285 χ^2/NDF:25.6/21

Out: -26.783+/-114.108 χ^2/NDF:25.3/26

All: -108.245+/-82.784 χ^2/NDF: 52.0/48

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: 359.947+/-0.104 χ^2/NDF:269773.3/7

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 365.926+/-0.114 χ^2/NDF:146465.5/5

Left: 362.651+/-0.077 χ^2/NDF: 417741.6/13

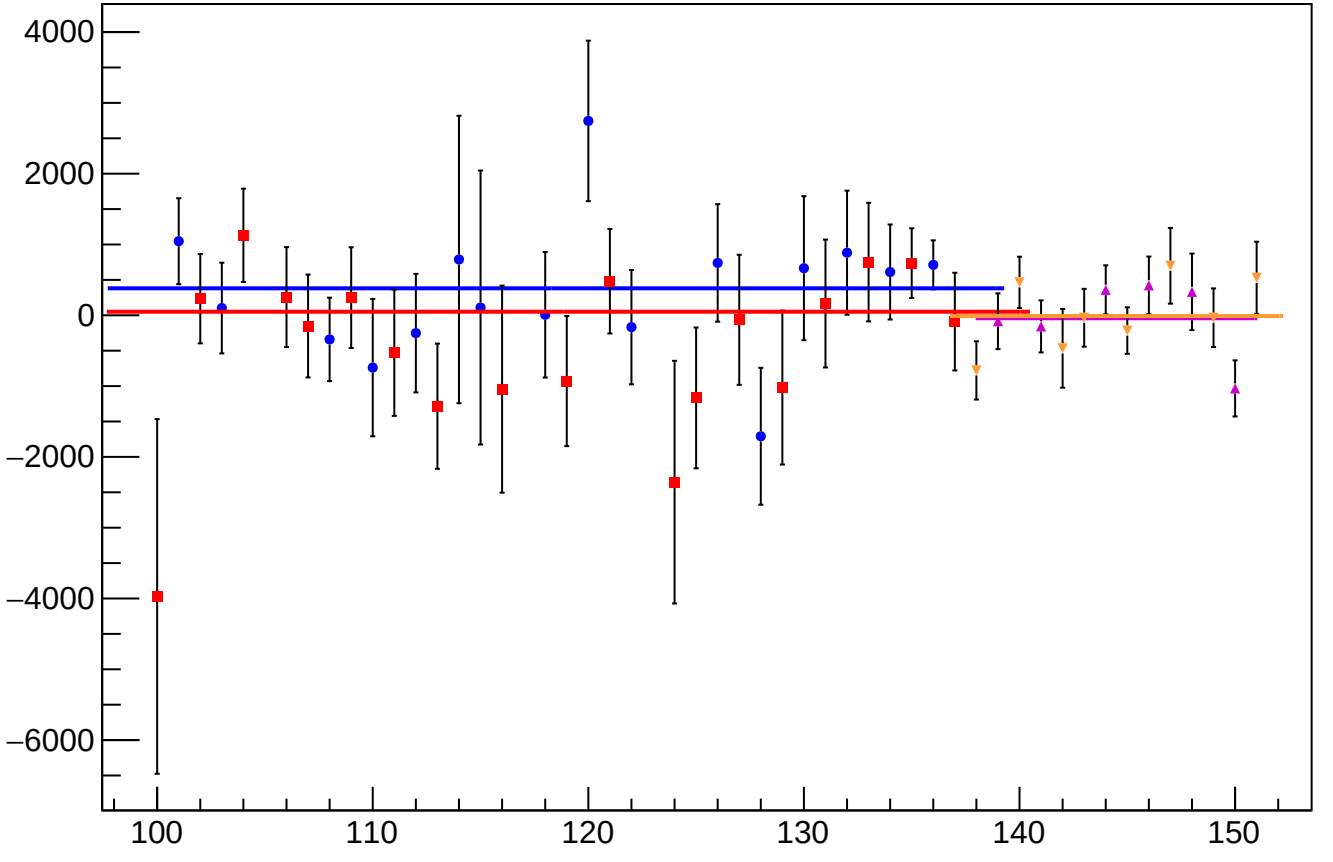
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 411.194+/-0.085 χ^2/NDF:1485829.5/21

Out: 407.998+/-0.081 χ^2/NDF:1667288.1/26

All: 409.512+/-0.059 χ^2/NDF: 3153860.6/48

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -10.708+/-148.781 χ^2/NDF:9.2/7

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -41.733+/-162.200 χ^2/NDF:9.5/5

Left: -24.884+/-109.642 χ^2/NDF: 18.7/13

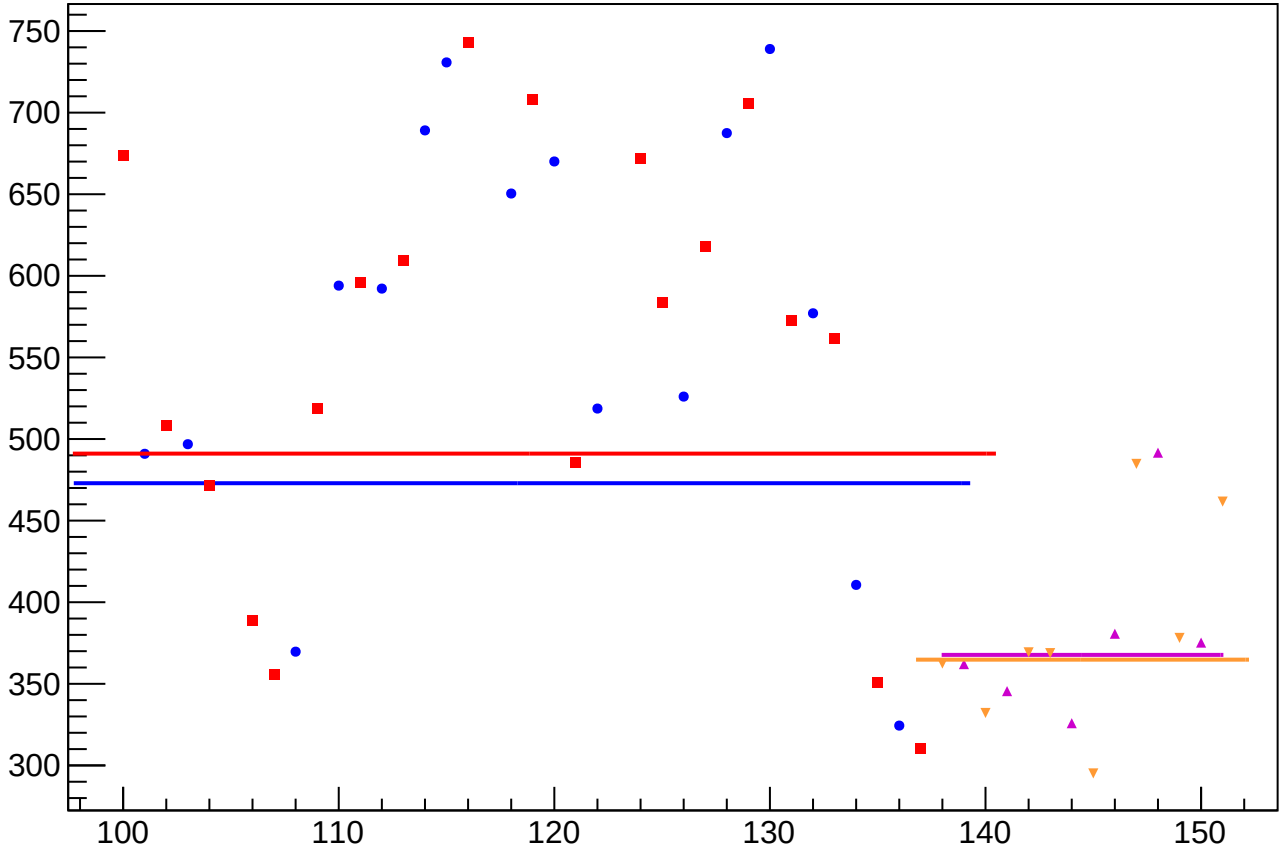
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 144.685+/-121.283 χ^2/NDF:28.6/21

Out: 13.248+/-116.004 χ^2/NDF:26.7/26

All: 76.044+/-83.831 χ^2/NDF: 55.9/48

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 364.810+/-0.105 χ^2/NDF:281434.6/7

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 367.733+/-0.115 χ^2/NDF:144841.2/5

Left: 366.145+/-0.078 χ^2/NDF: 426628.5/13

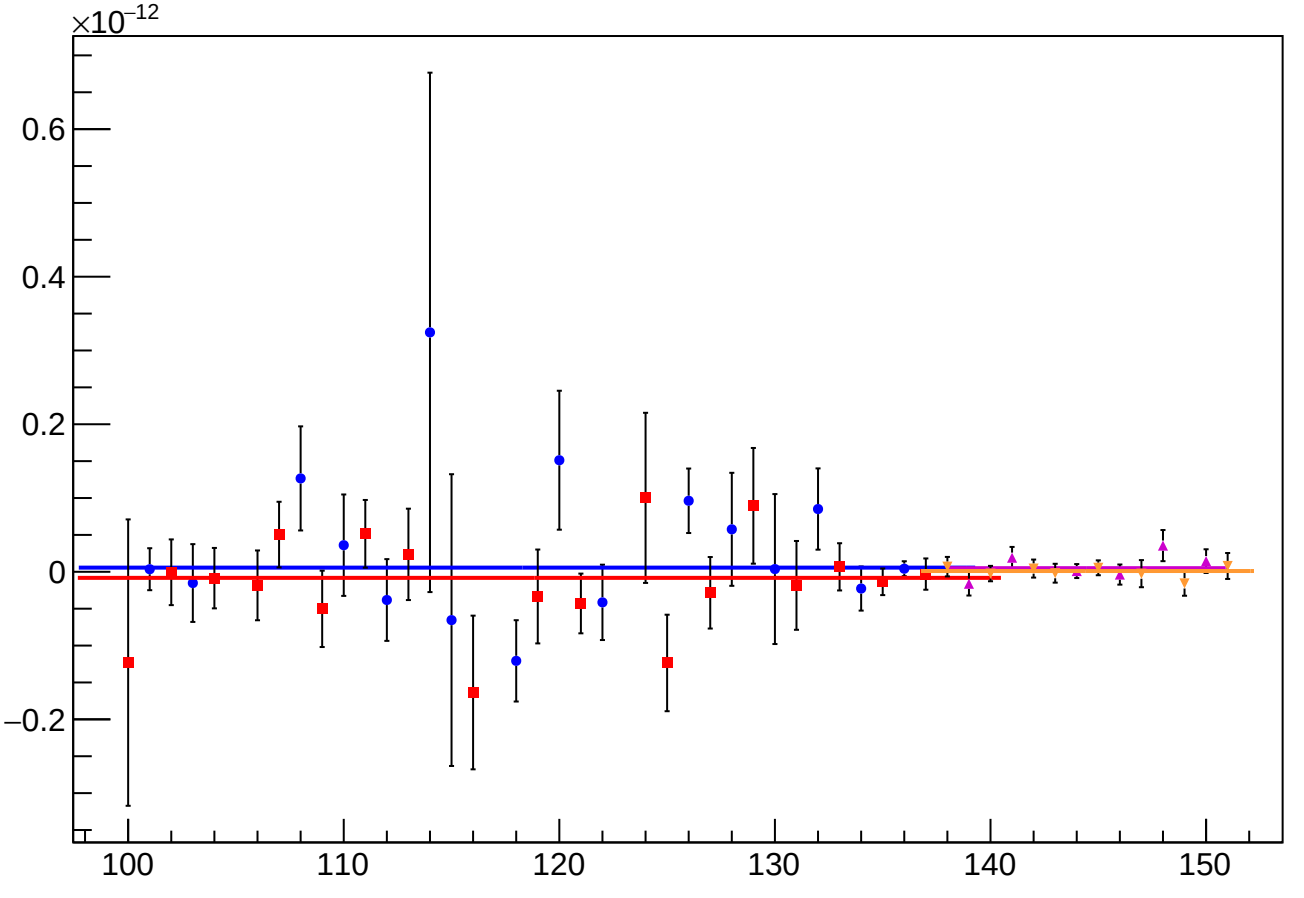
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 414.111+/-0.086 χ^2/NDF:1515985.7/21

Out: 414.311+/-0.082 χ^2/NDF:1693592.3/26

All: 414.215+/-0.059 χ^2/NDF: 3209580.8/48

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/5

Left: 0.000+/-0.000 χ^2/NDF: 7.8/13

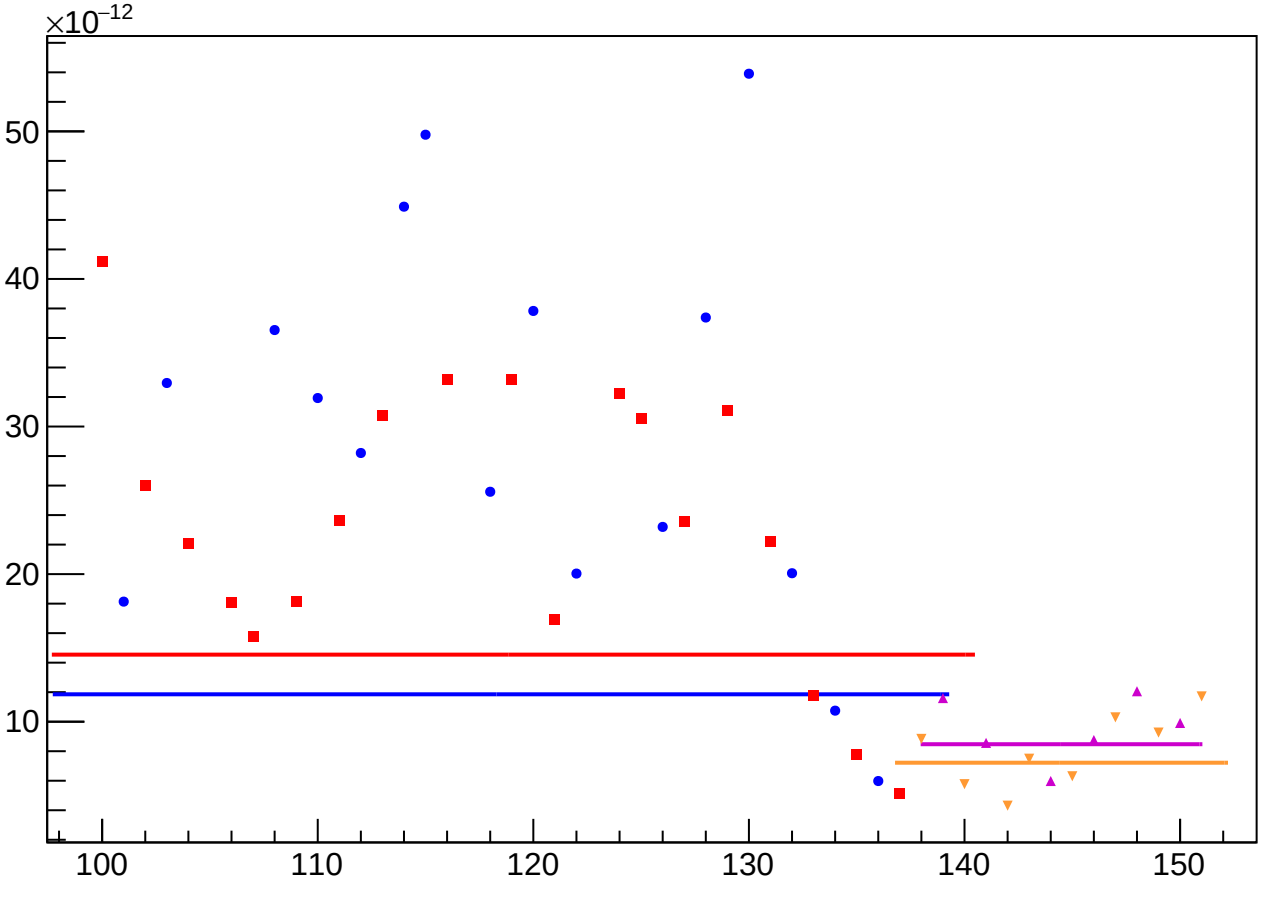
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:26.8/21

Out: -0.000+/-0.000 χ^2/NDF:16.6/26

All: 0.000+/-0.000 χ^2/NDF: 44.4/48

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:416160.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:289877.9/5

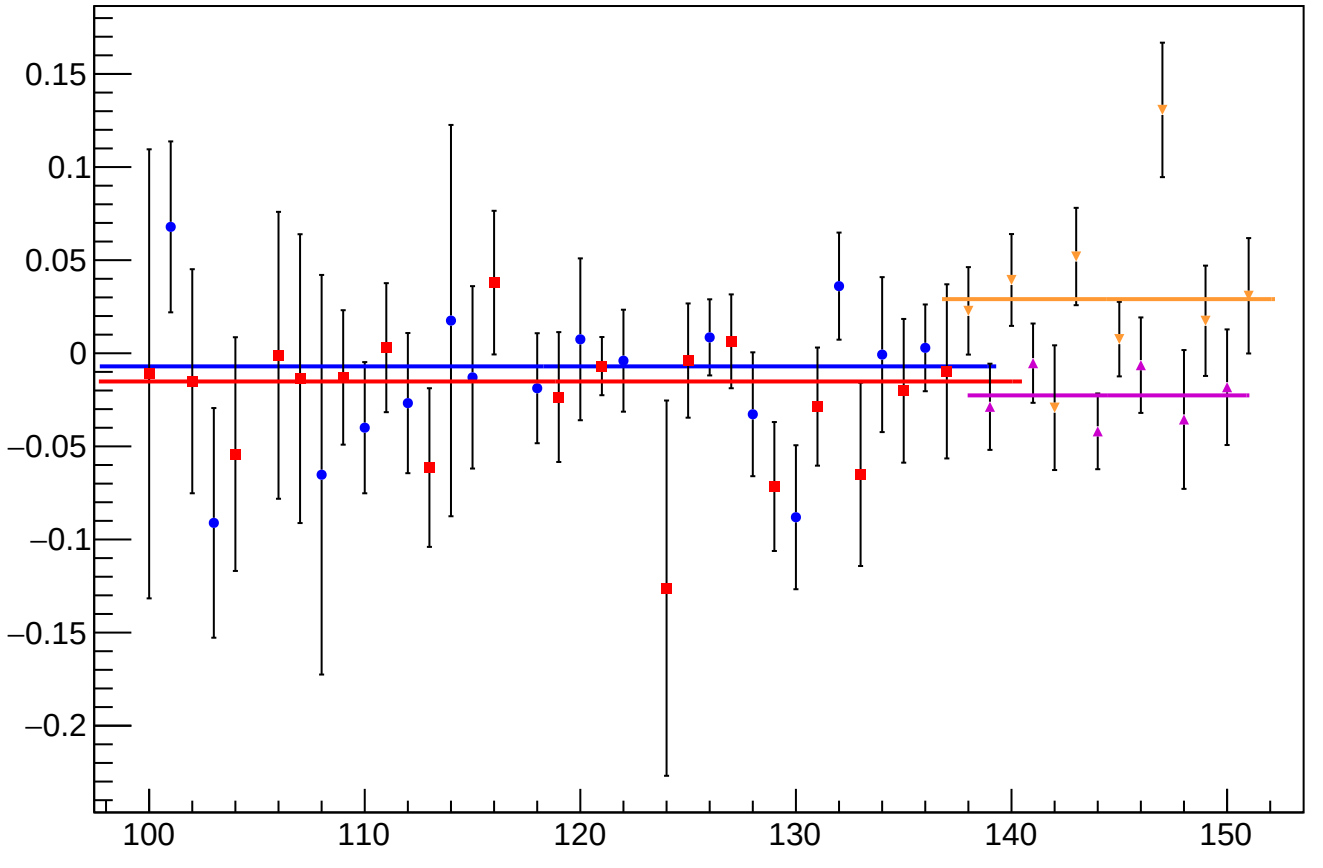
Left: 0.000+/-0.000 χ^2/NDF: 765176.2/13

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:3372589.3/21

Out: 0.000+/-0.000 χ^2/NDF:3184190.7/26

All: 0.000+/-0.000 χ^2/NDF: 6600919.8/48



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.029+/-0.009 χ^2/NDF:13.3/7

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.023+/-0.010 χ^2/NDF:2.2/5

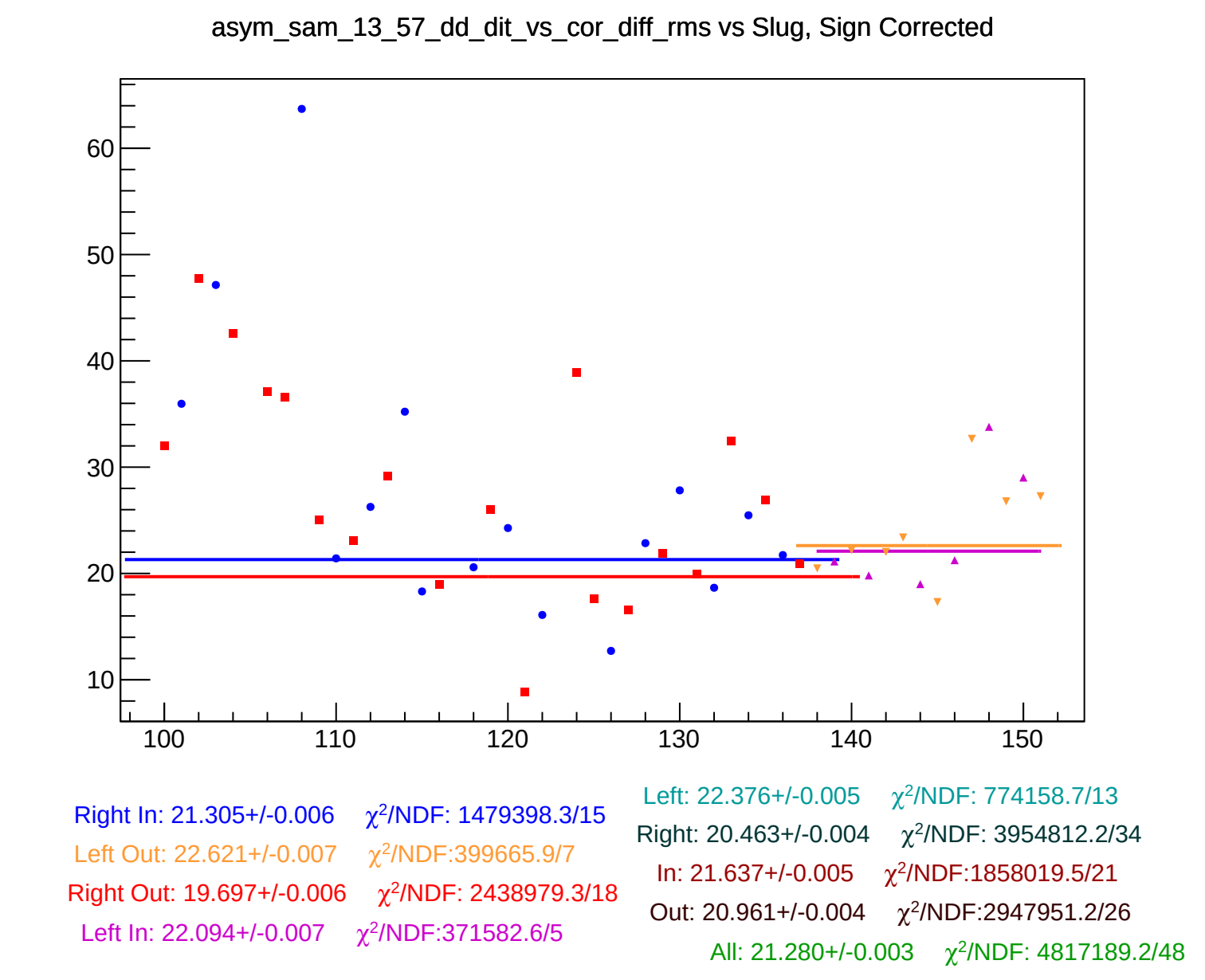
Left: 0.005+/-0.007 χ^2/NDF: 29.4/13

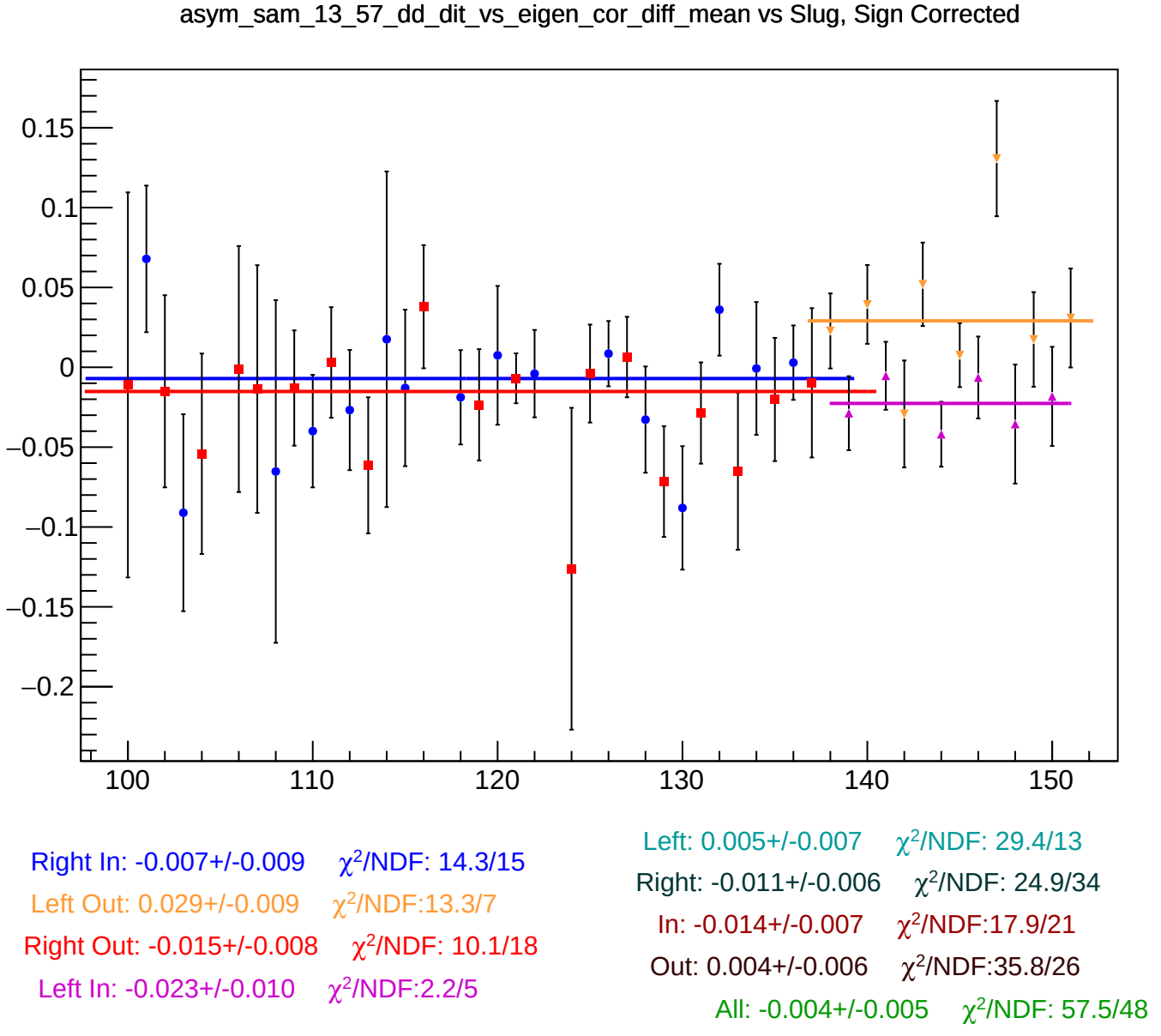
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

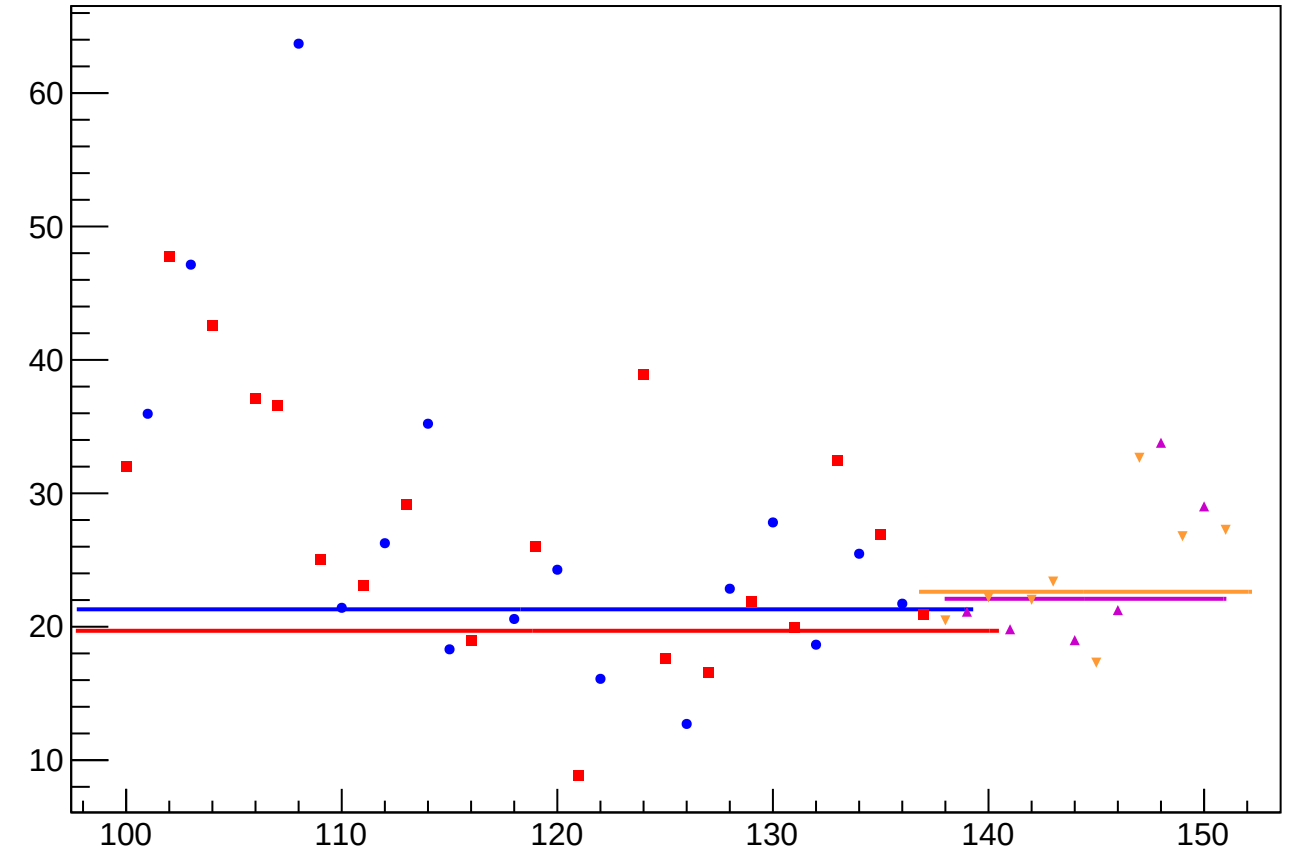
In: -0.014+/-0.007 χ^2/NDF:17.9/21

Out: 0.004+/-0.006 χ^2/NDF:35.8/26

All: -0.004+/-0.005 χ^2/NDF: 57.5/48


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 22.621+/-0.007 χ²/NDF:399665.9/7
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 22.094+/-0.007 χ²/NDF:371582.6/5
Left: 22.376+/-0.005 χ²/NDF: 774158.7/13
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 21.637+/-0.005 χ²/NDF:1858019.5/21
Out: 20.961+/-0.004 χ²/NDF:2947951.2/26
All: 21.280+/-0.003 χ²/NDF: 4817189.2/48


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.029+/-0.009 χ²/NDF:13.3/7
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.023+/-0.010 χ²/NDF:2.2/5
Left: 0.005+/-0.007 χ²/NDF: 29.4/13
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.014+/-0.007 χ²/NDF:17.9/21
Out: 0.004+/-0.006 χ²/NDF:35.8/26
All: -0.004+/-0.005 χ²/NDF: 57.5/48



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.621+/-0.007 χ^2/NDF:399665.9/7

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.094+/-0.007 χ^2/NDF:371582.6/5

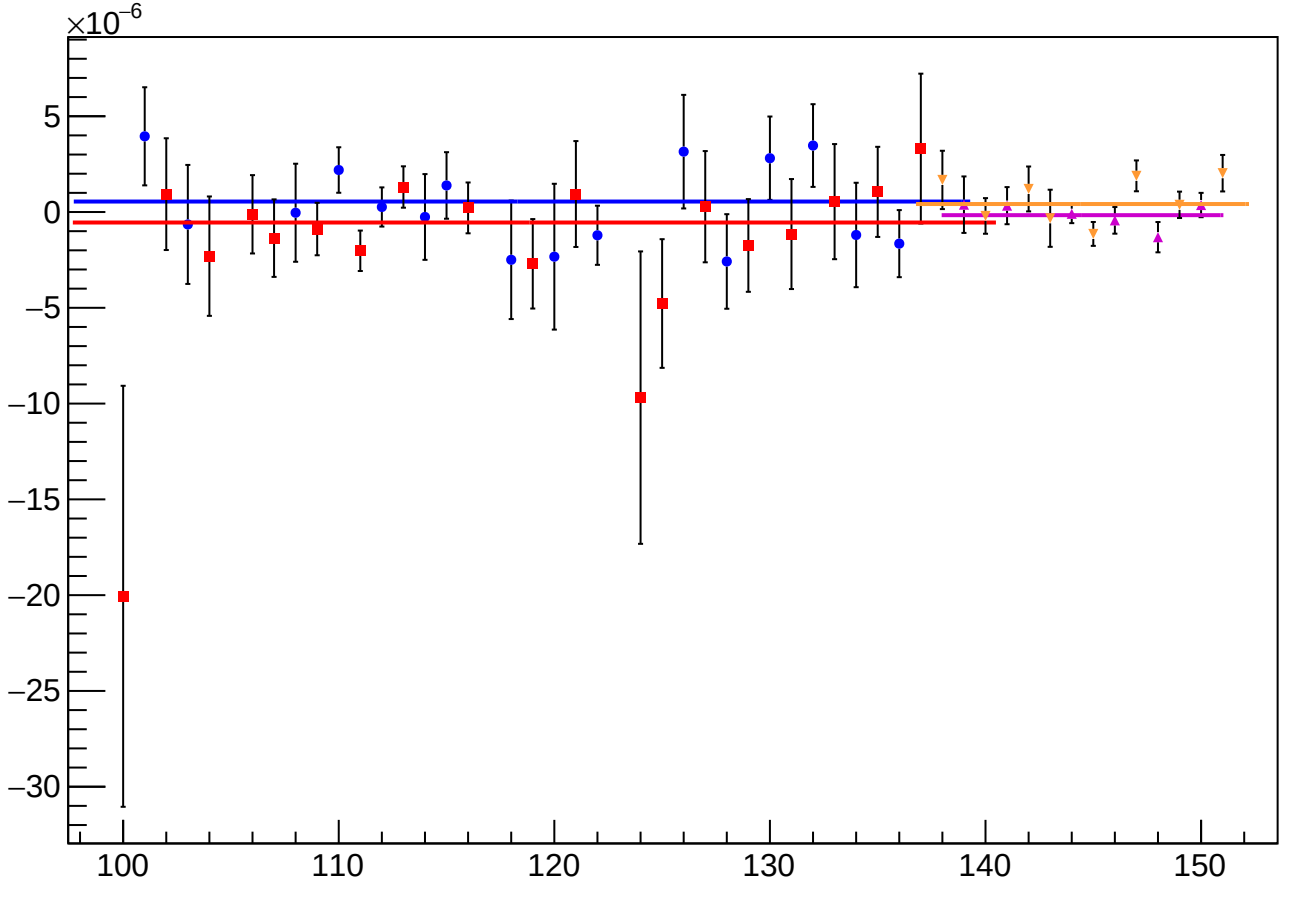
Left: 22.376+/-0.005 χ^2/NDF: 774158.7/13

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.637+/-0.005 χ^2/NDF:1858019.5/21

Out: 20.961+/-0.004 χ^2/NDF:2947951.2/26

All: 21.280+/-0.003 χ^2/NDF: 4817189.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/5

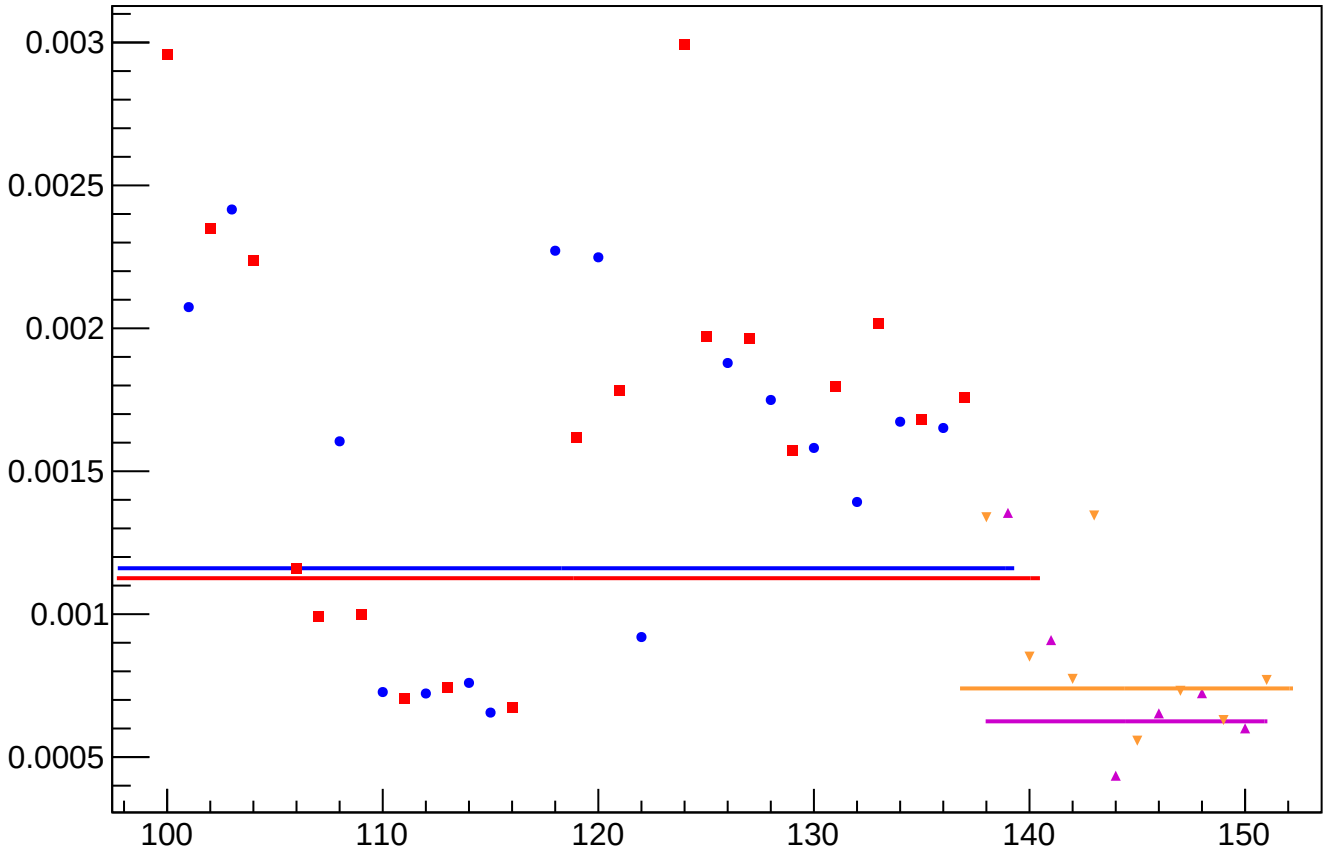
Left: 0.000+/-0.000 χ^2/NDF: 19.5/13

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:19.4/21

Out: 0.000+/-0.000 χ^2/NDF:32.6/26

All: 0.000+/-0.000 χ^2/NDF: 52.1/48



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:894748.2/7

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:1000952.8/5

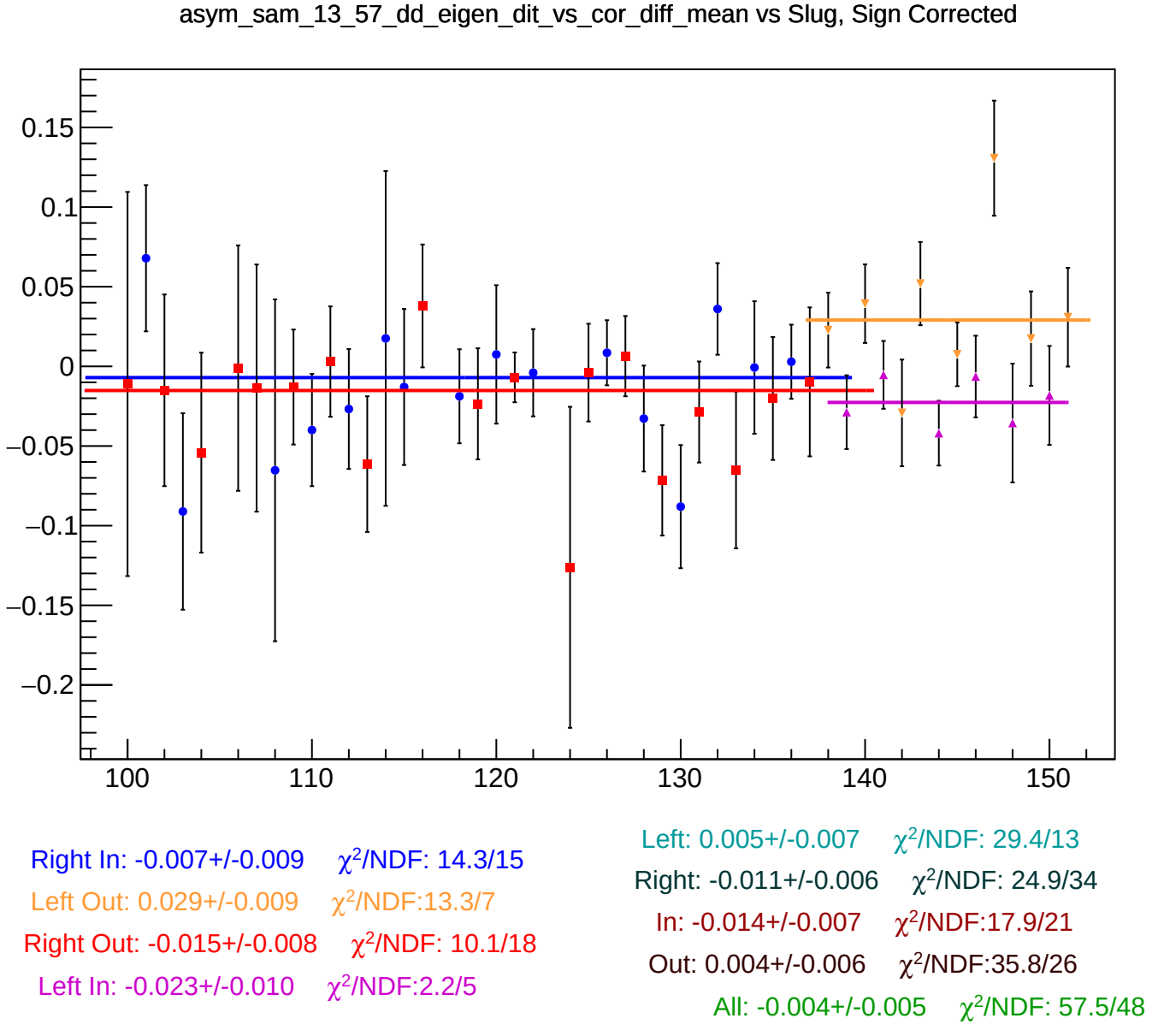
Left: 0.001+/-0.000 χ^2/NDF: 2040087.3/13

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

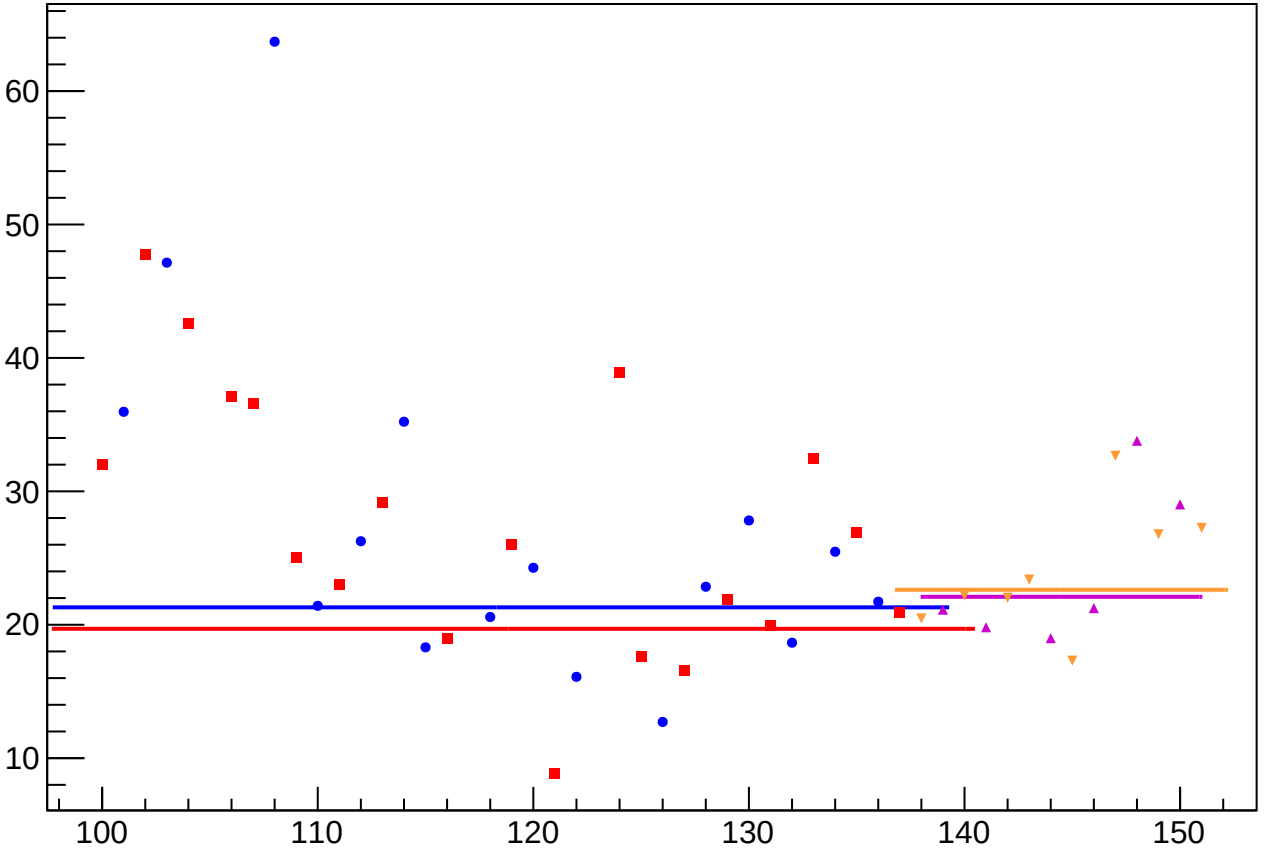
In: 0.001+/-0.000 χ^2/NDF:5364975.4/21

Out: 0.001+/-0.000 χ^2/NDF:4480136.4/26

All: 0.001+/-0.000 χ^2/NDF: 9983500.4/48


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.029+/-0.009 χ²/NDF:13.3/7
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.023+/-0.010 χ²/NDF:2.2/5
Left: 0.005+/-0.007 χ²/NDF: 29.4/13
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.014+/-0.007 χ²/NDF:17.9/21
Out: 0.004+/-0.006 χ²/NDF:35.8/26
All: -0.004+/-0.005 χ²/NDF: 57.5/48

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.621+/-0.007 χ^2/NDF:399698.4/7

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.094+/-0.007 χ^2/NDF:371593.0/5

Left: 22.376+/-0.005 χ^2/NDF: 774200.5/13

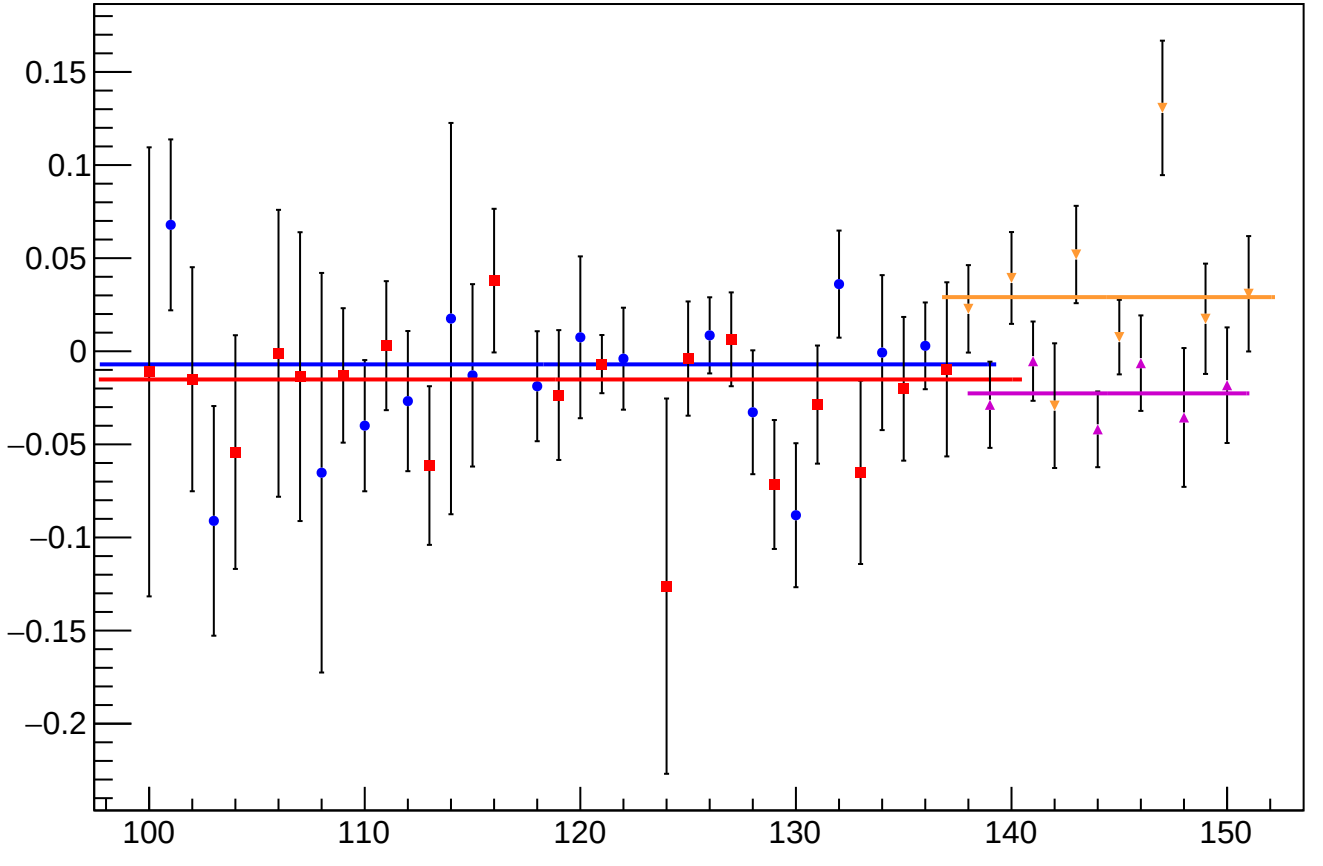
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.637+/-0.005 χ^2/NDF:1857862.1/21

Out: 20.962+/-0.004 χ^2/NDF:2947575.7/26

All: 21.280+/-0.003 χ^2/NDF: 4816650.3/48

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: 0.029+/-0.009 χ^2/NDF:13.3/7

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.023+/-0.010 χ^2/NDF:2.2/5

Left: 0.005+/-0.007 χ^2/NDF: 29.4/13

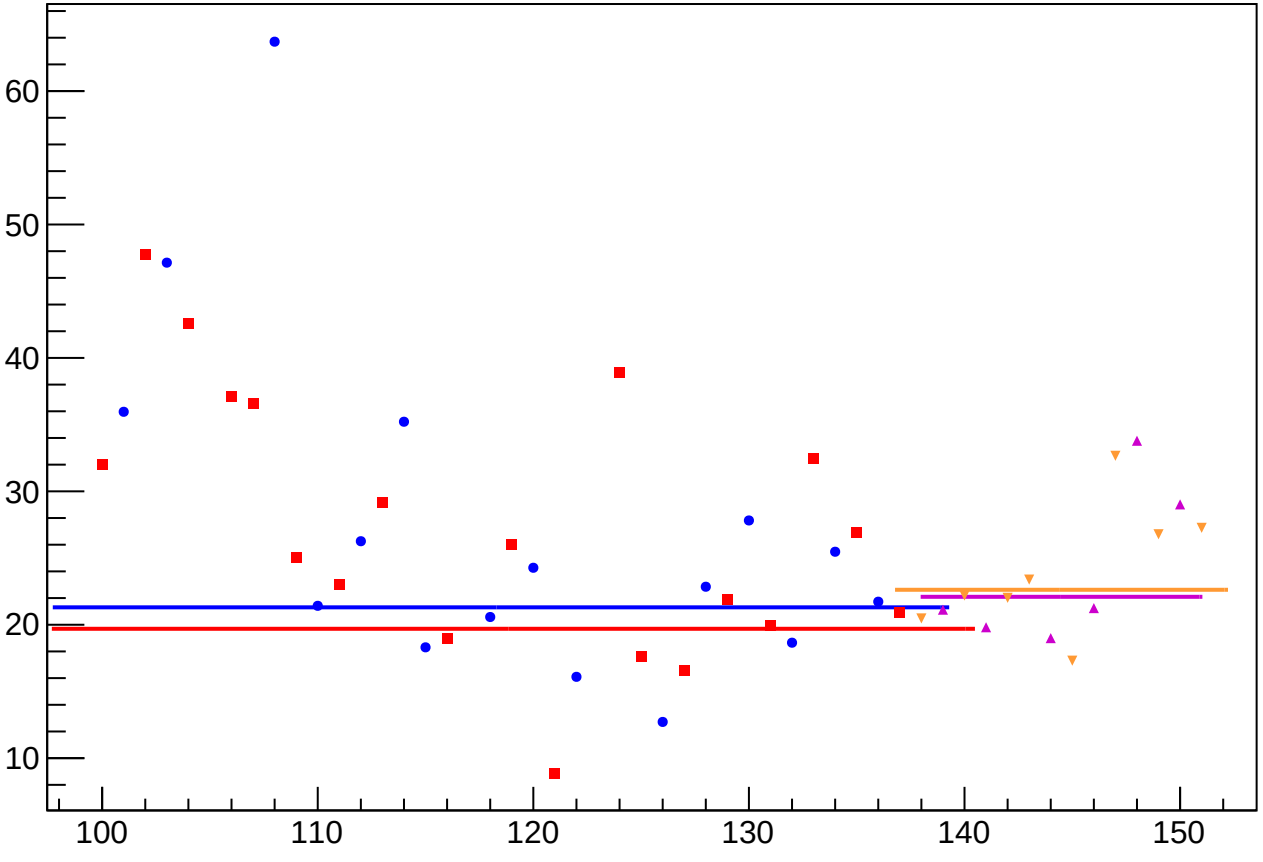
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.014+/-0.007 χ^2/NDF:17.9/21

Out: 0.004+/-0.006 χ^2/NDF:35.8/26

All: -0.004+/-0.005 χ^2/NDF: 57.5/48

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.621+/-0.007 χ^2/NDF:399698.4/7

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.094+/-0.007 χ^2/NDF:371593.0/5

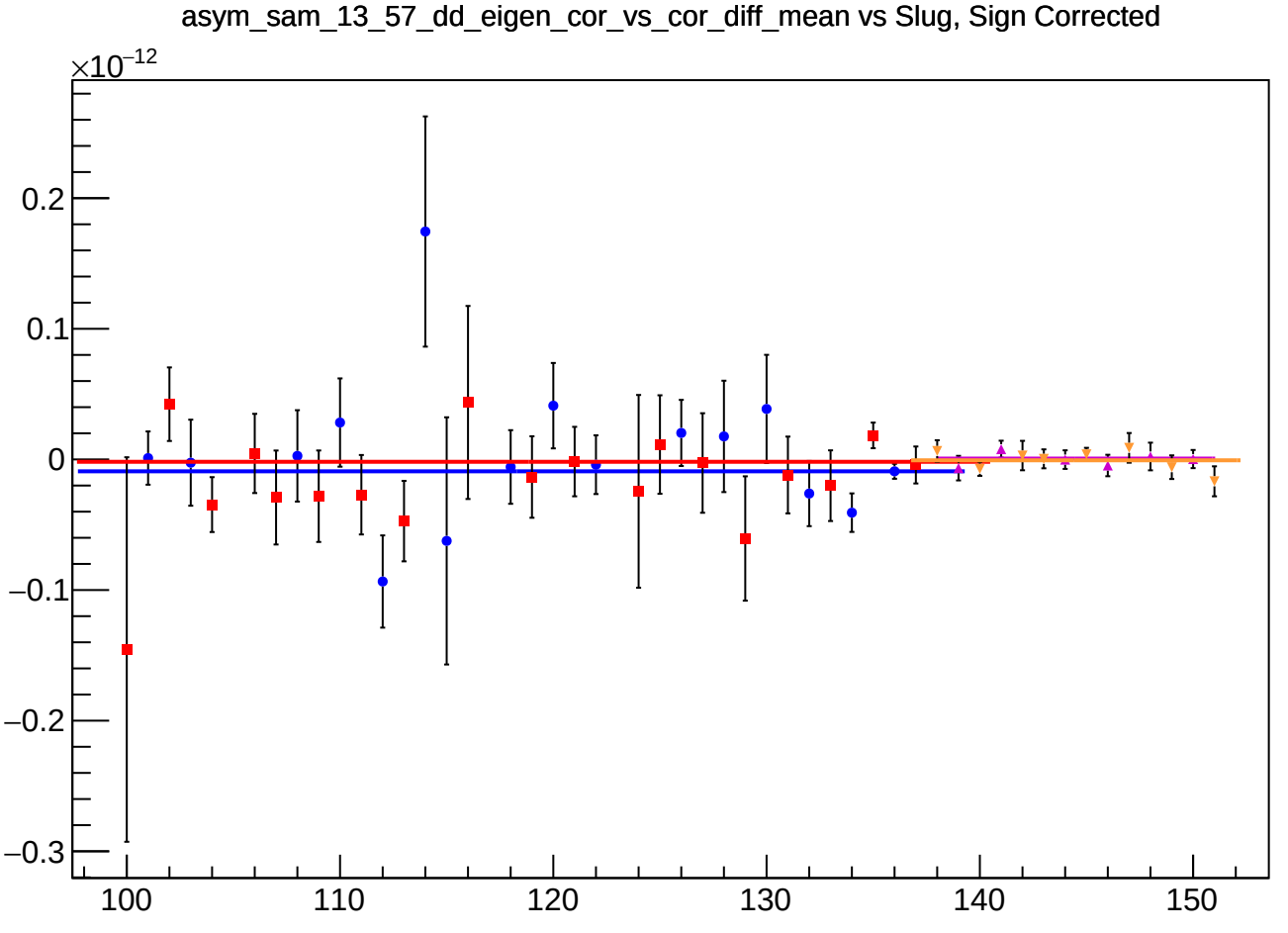
Left: 22.376+/-0.005 χ^2/NDF: 774200.5/13

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.637+/-0.005 χ^2/NDF:1857862.1/21

Out: 20.962+/-0.004 χ^2/NDF:2947575.7/26

All: 21.280+/-0.003 χ^2/NDF: 4816650.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2.3/5

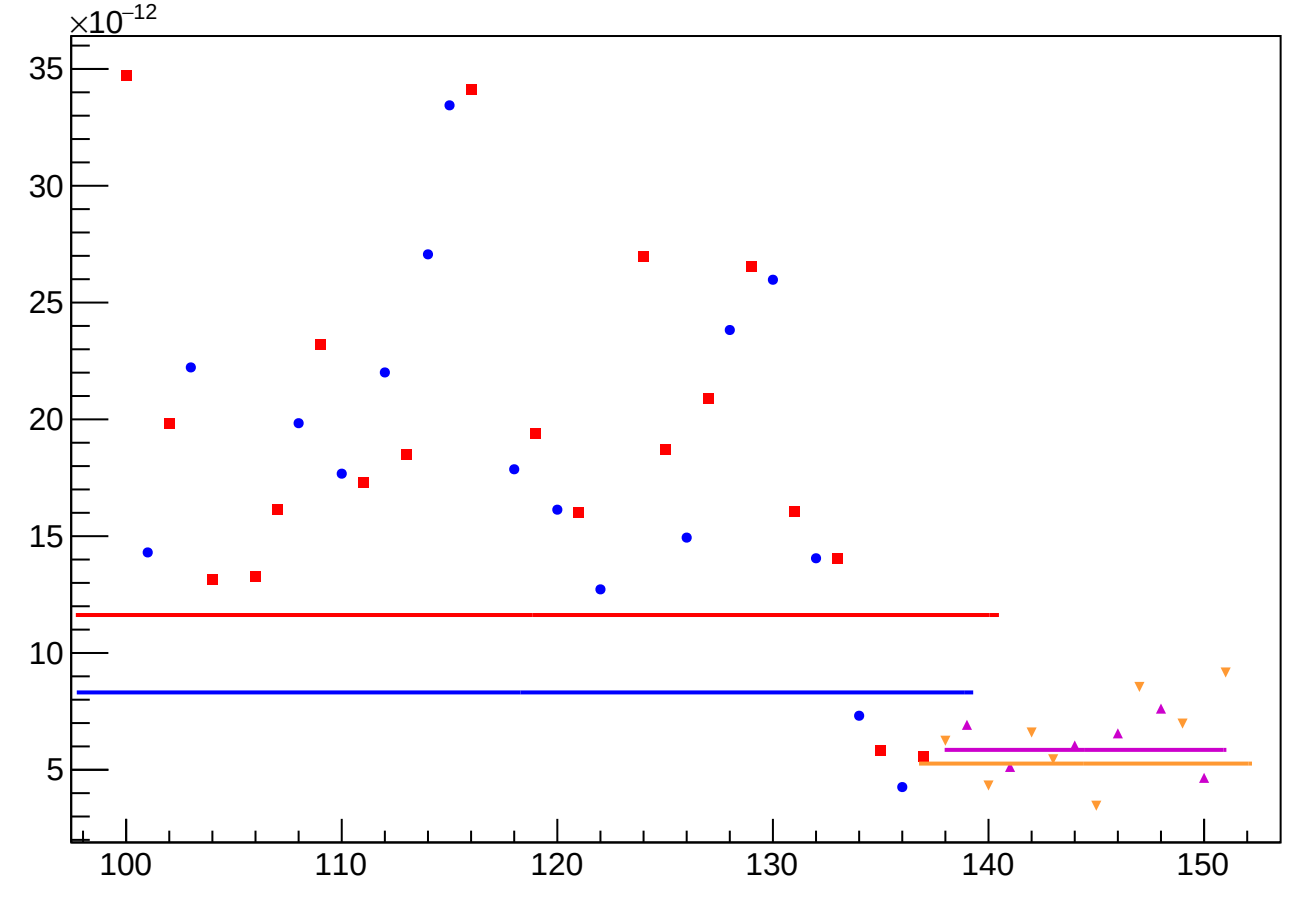
Left: -0.000+/-0.000 χ^2/NDF: 8.6/13

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:28.0/21

Out: -0.000+/-0.000 χ^2/NDF:23.2/26

All: -0.000+/-0.000 χ^2/NDF: 51.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:847291.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:182617.6/5

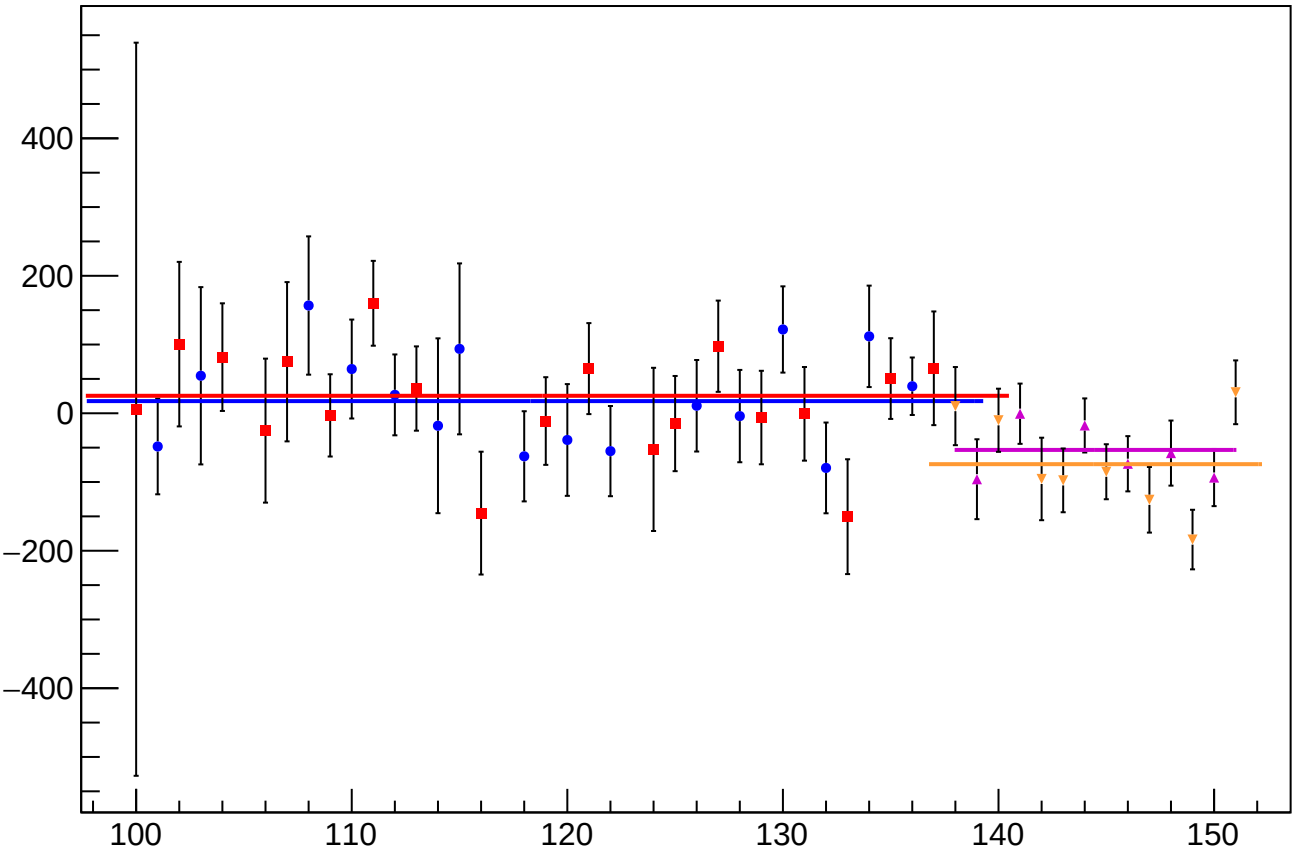
Left: 0.000+/-0.000 χ^2/NDF: 1070318.0/13

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:4313874.8/21

Out: 0.000+/-0.000 χ^2/NDF:5517288.0/26

All: 0.000+/-0.000 χ^2/NDF: 9843478.4/48



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -74.045+/-16.700 χ^2/NDF:17.3/7

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -53.316+/-17.940 χ^2/NDF:4.0/5

Left: -64.422+/-12.224 χ^2/NDF: 22.0/13

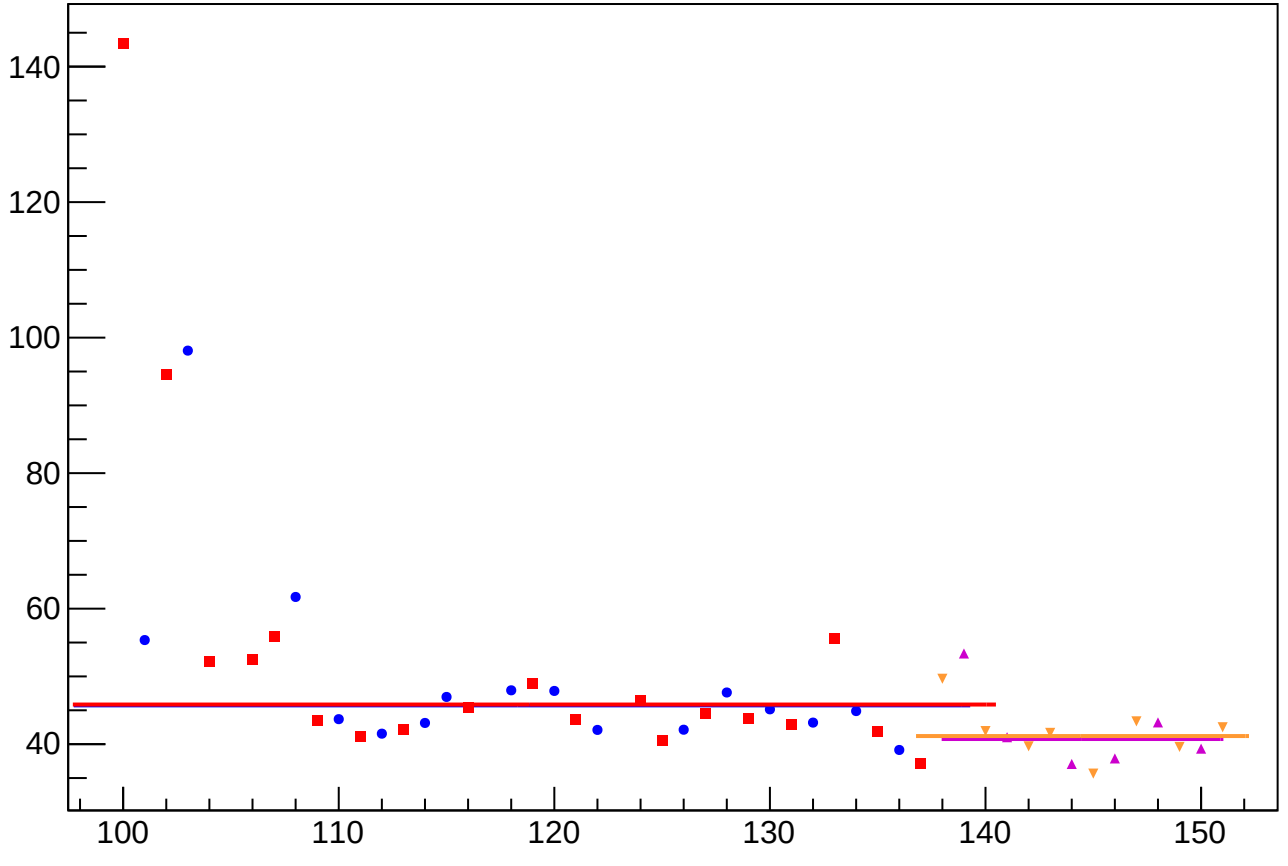
Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -16.864+/-12.516 χ^2/NDF:26.0/21

Out: -26.164+/-12.027 χ^2/NDF:52.2/26

All: -21.699+/-8.672 χ^2/NDF: 78.5/48

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.198+/-0.012 χ^2/NDF:93043.8/7

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.761+/-0.013 χ^2/NDF:129804.6/5

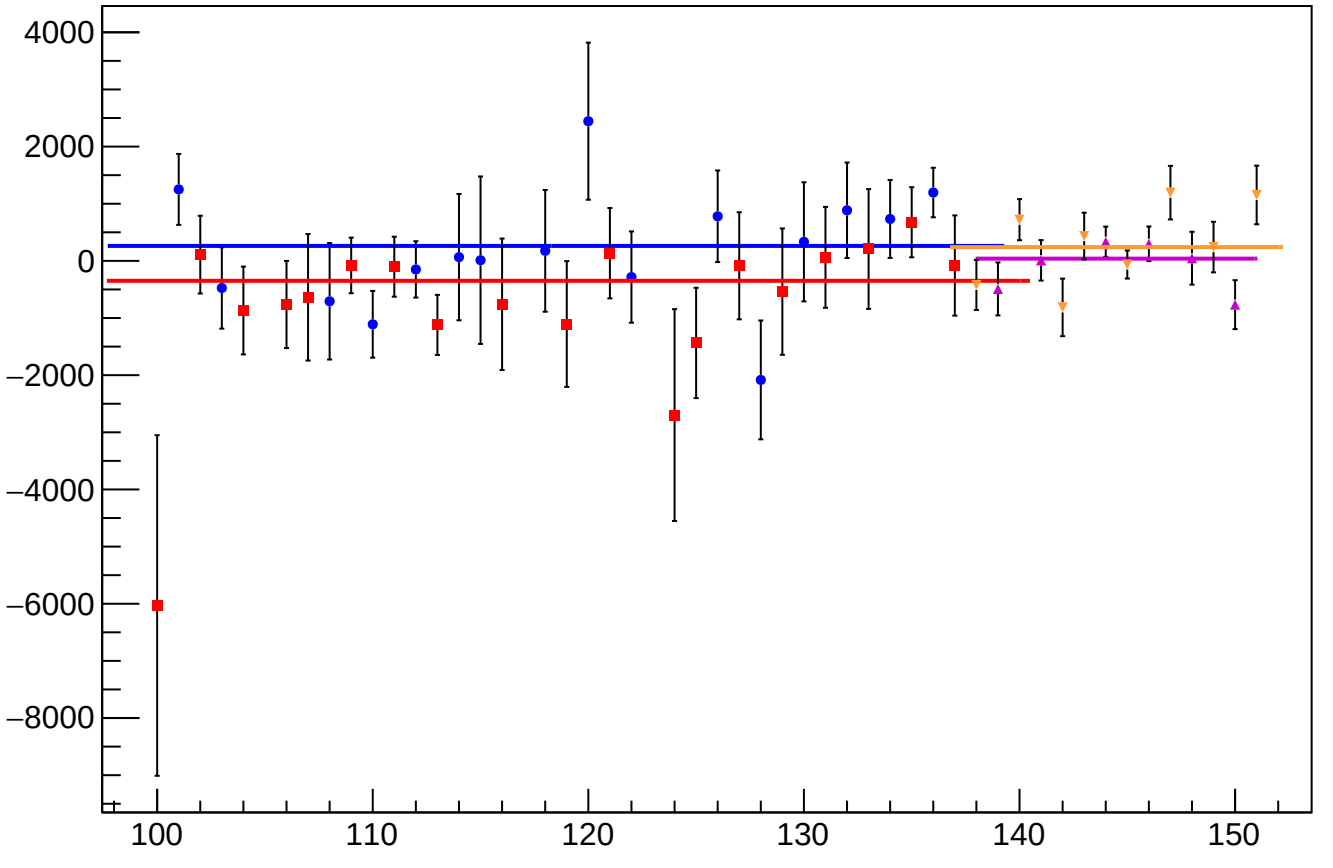
Left: 40.995+/-0.009 χ^2/NDF: 223483.4/13

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 43.310+/-0.009 χ^2/NDF:709914.3/21

Out: 43.436+/-0.009 χ^2/NDF:707883.3/26

All: 43.376+/-0.006 χ^2/NDF: 1417904.0/48



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 241.196+/-137.484 χ^2/NDF:17.5/7

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 39.293+/-144.436 χ^2/NDF:6.8/5

Left: 145.219+/-99.583 χ^2/NDF: 25.4/13

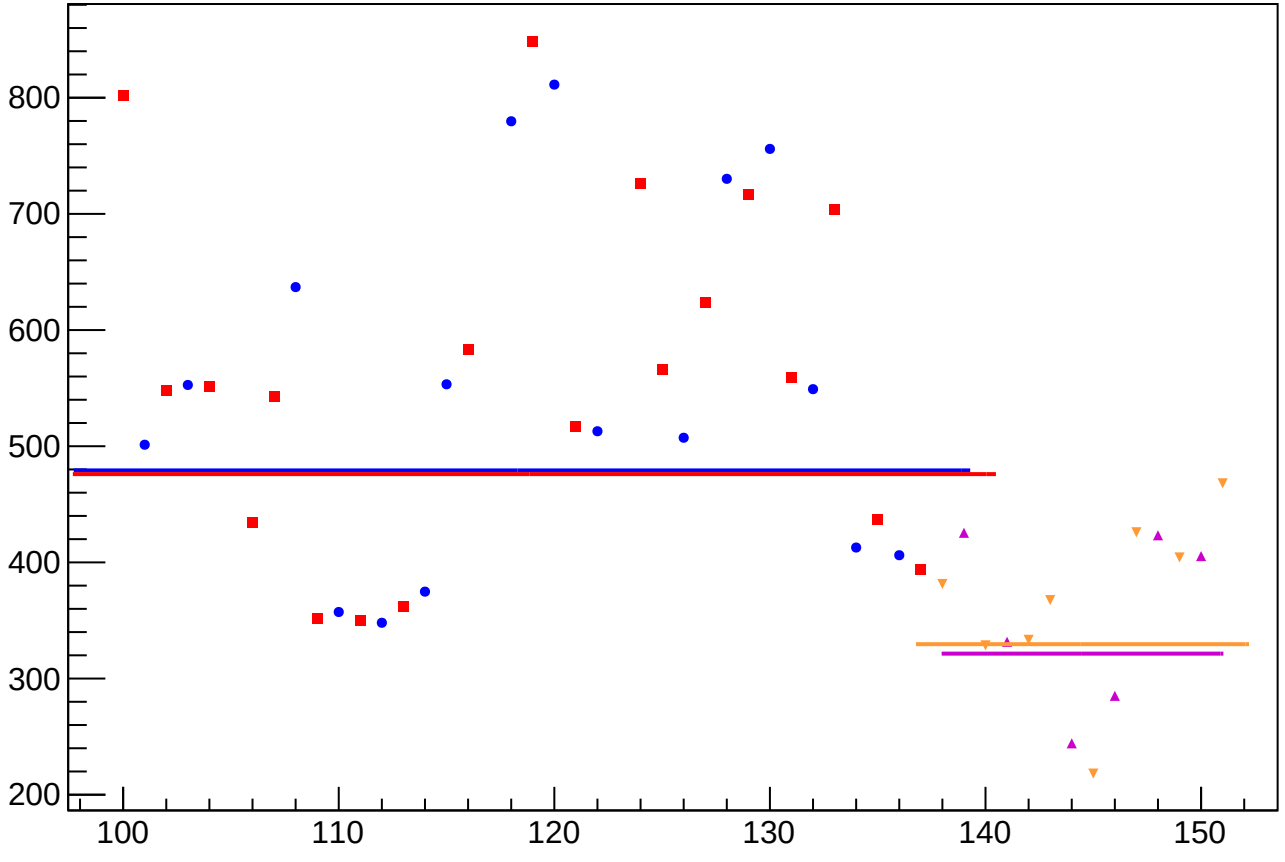
Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 123.493+/-113.896 χ^2/NDF:32.7/21

Out: 24.894+/-109.411 χ^2/NDF:39.2/26

All: 72.214+/-78.903 χ^2/NDF: 72.3/48

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 329.589+/-0.097 χ^2/NDF:744507.4/7

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 321.457+/-0.102 χ^2/NDF:475320.5/5

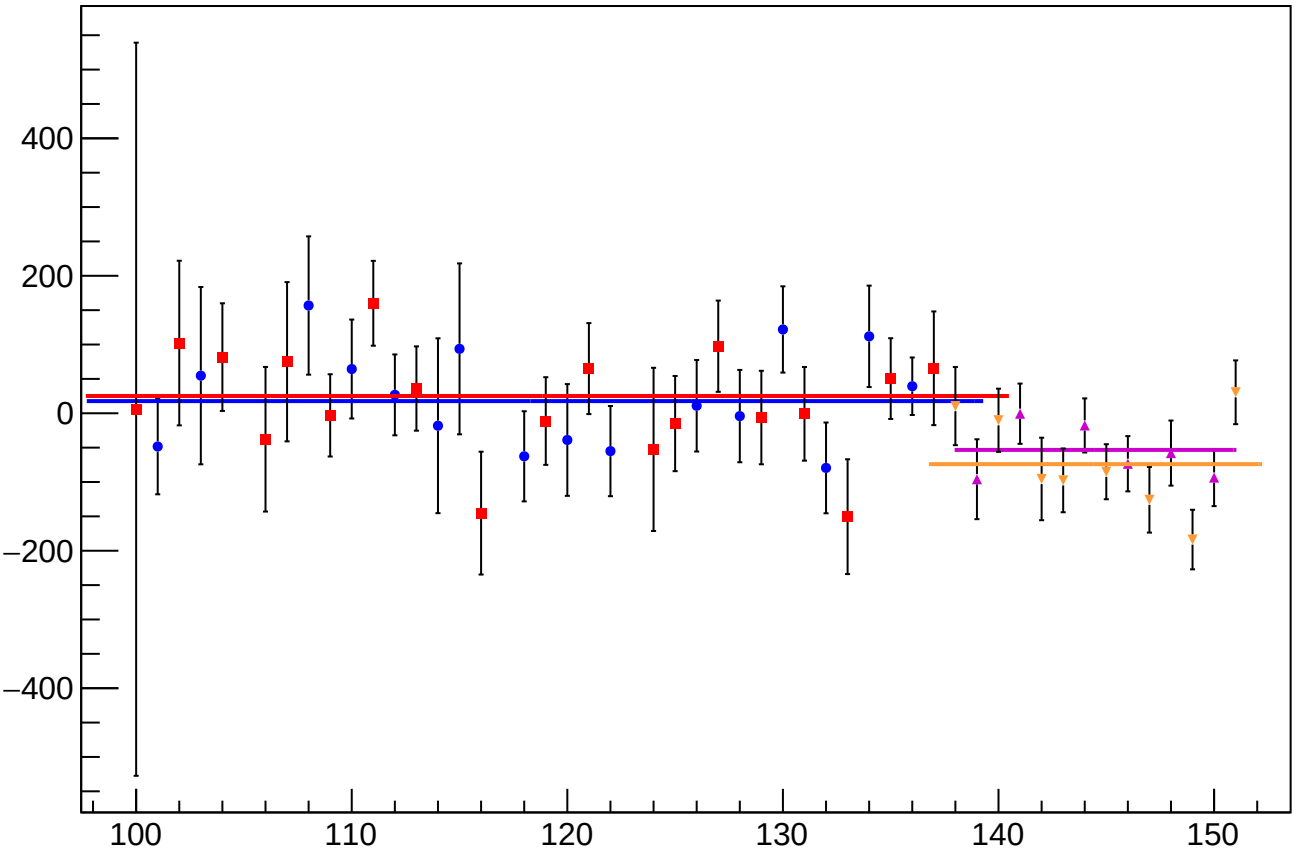
Left: 325.723+/-0.070 χ^2/NDF: 1223153.8/13

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 381.102+/-0.081 χ^2/NDF:2329886.4/21

Out: 383.273+/-0.077 χ^2/NDF:2582603.9/26

All: 382.231+/-0.056 χ^2/NDF: 4912868.0/48



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -74.045+/-16.700 χ^2/NDF:17.3/7

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -53.315+/-17.940 χ^2/NDF:4.0/5

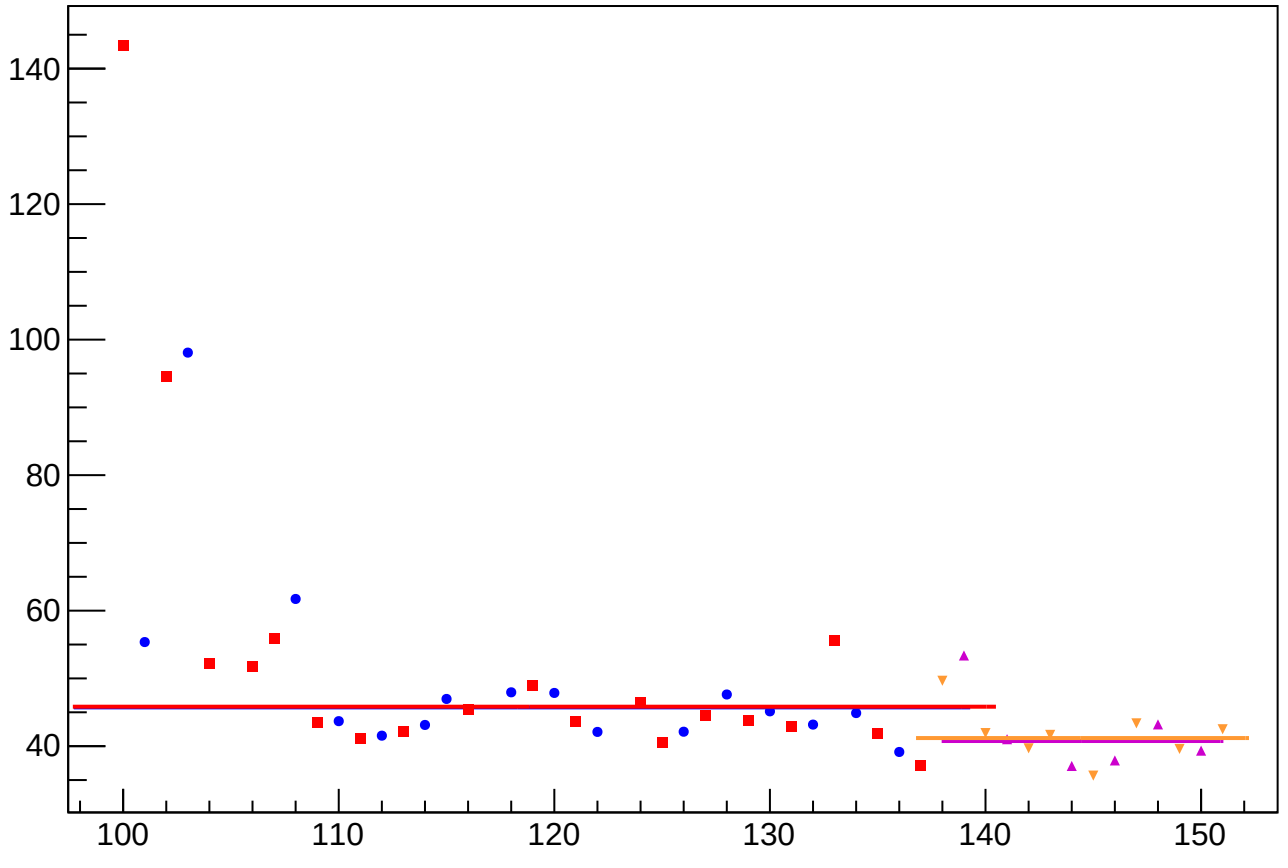
Left: -64.422+/-12.224 χ^2/NDF: 22.0/13

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.861+/-12.516 χ^2/NDF:26.0/21

Out: -26.313+/-12.028 χ^2/NDF:52.2/26

All: -21.775+/-8.673 χ^2/NDF: 78.5/48



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.198+/-0.012 χ^2/NDF:93043.8/7

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.761+/-0.013 χ^2/NDF:129804.6/5

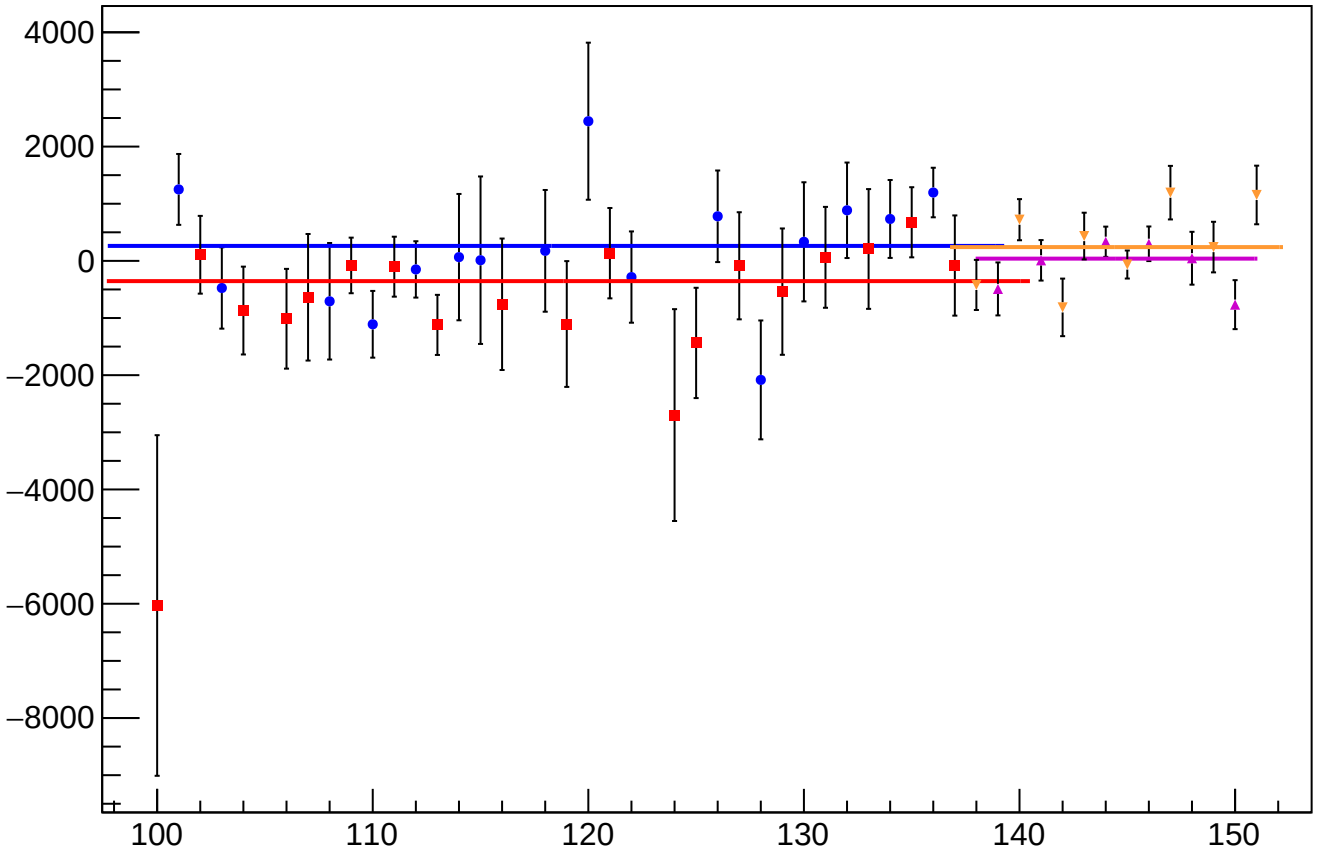
Left: 40.995+/-0.009 χ^2/NDF: 223483.4/13

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.310+/-0.009 χ^2/NDF:709917.3/21

Out: 43.425+/-0.009 χ^2/NDF:705422.8/26

All: 43.369+/-0.006 χ^2/NDF: 1415427.6/48



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 241.194+/-137.484 χ^2/NDF:17.5/7

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 39.293+/-144.436 χ^2/NDF:6.8/5

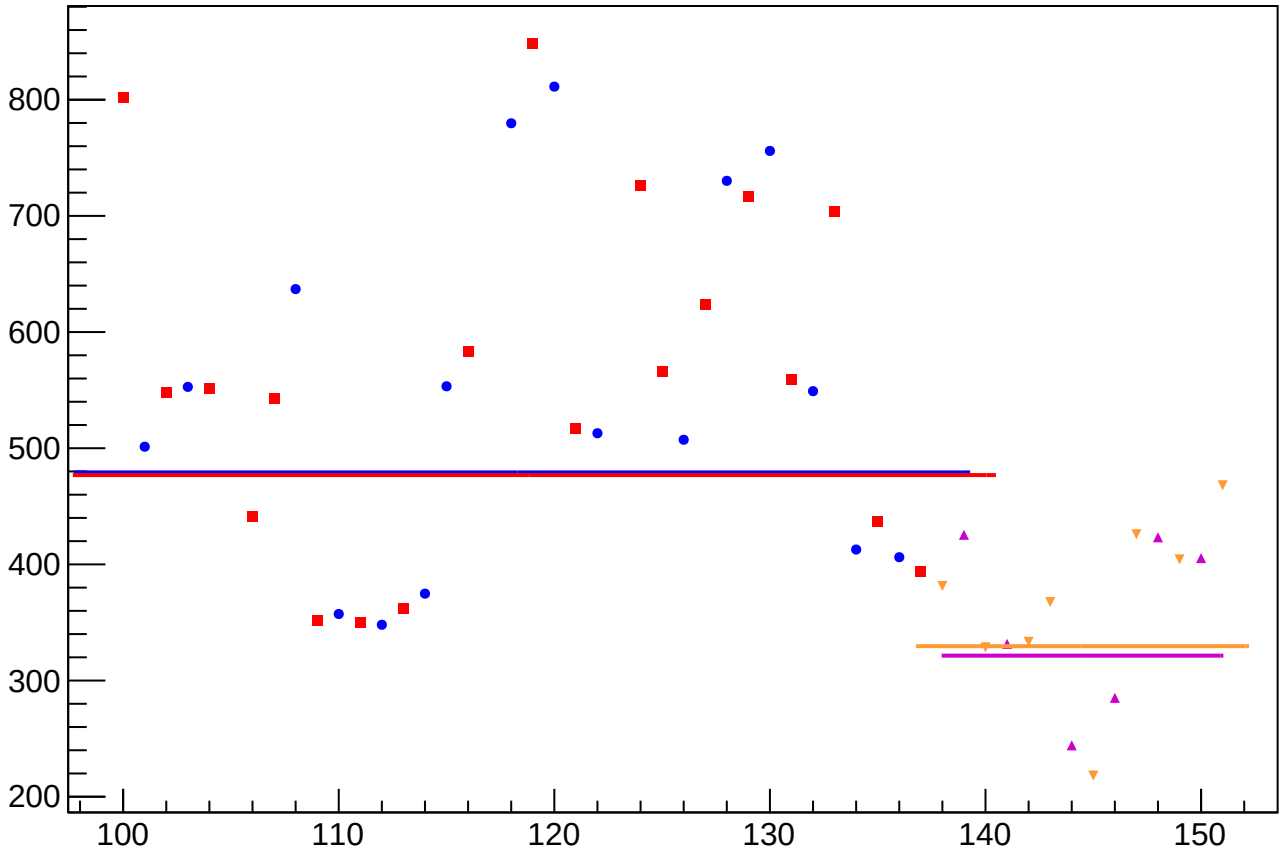
Left: 145.219+/-99.583 χ^2/NDF: 25.4/13

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 123.494+/-113.897 χ^2/NDF:32.7/21

Out: 24.728+/-109.681 χ^2/NDF:39.5/26

All: 72.249+/-79.004 χ^2/NDF: 72.6/48



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 329.589+/-0.097 χ^2/NDF:744507.5/7

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 321.457+/-0.102 χ^2/NDF:475322.1/5

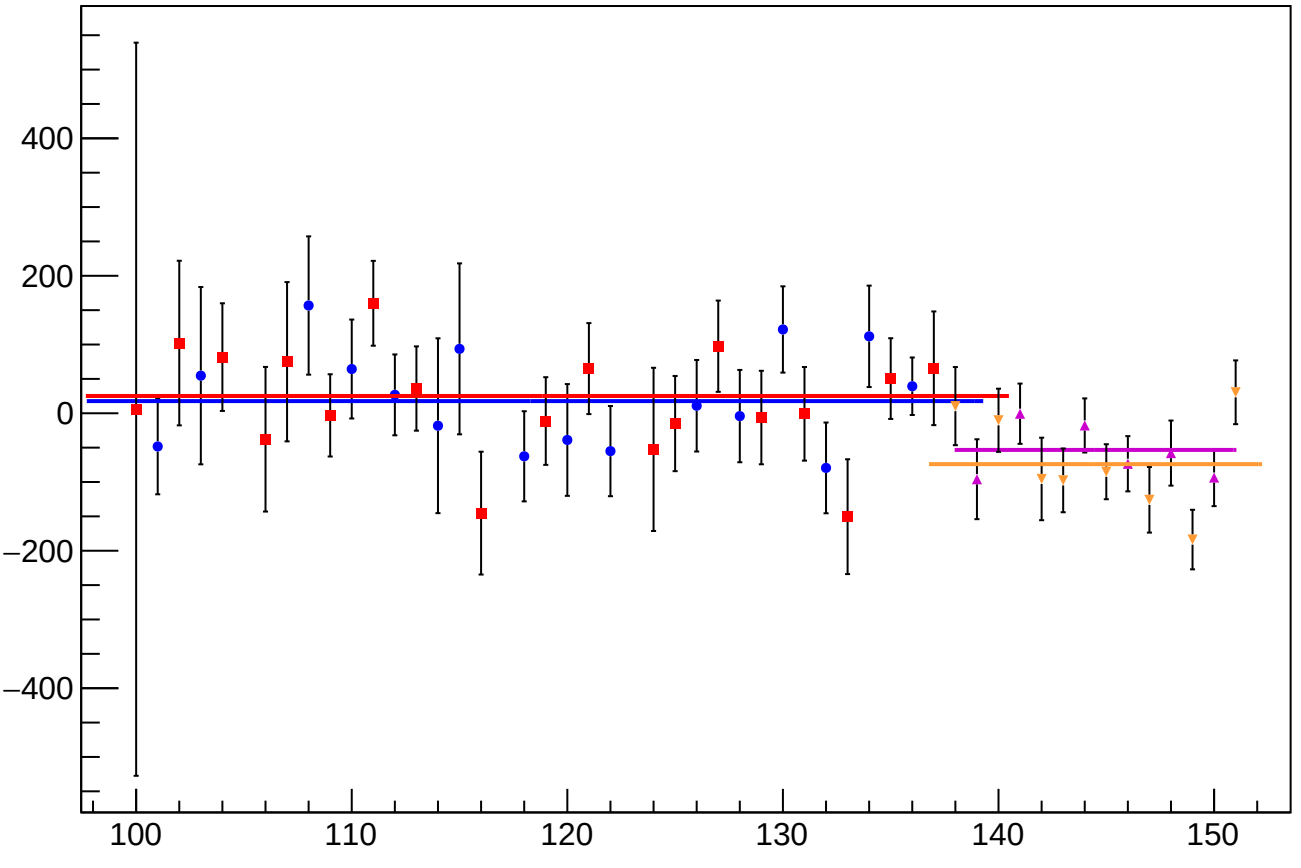
Left: 325.723+/-0.070 χ^2/NDF: 1223155.3/13

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 381.103+/-0.081 χ^2/NDF:2329933.1/21

Out: 383.143+/-0.078 χ^2/NDF:2582985.4/26

All: 382.162+/-0.056 χ^2/NDF: 4913251.6/48



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -74.045+/-16.700 χ^2/NDF:17.3/7

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -53.315+/-17.940 χ^2/NDF:4.0/5

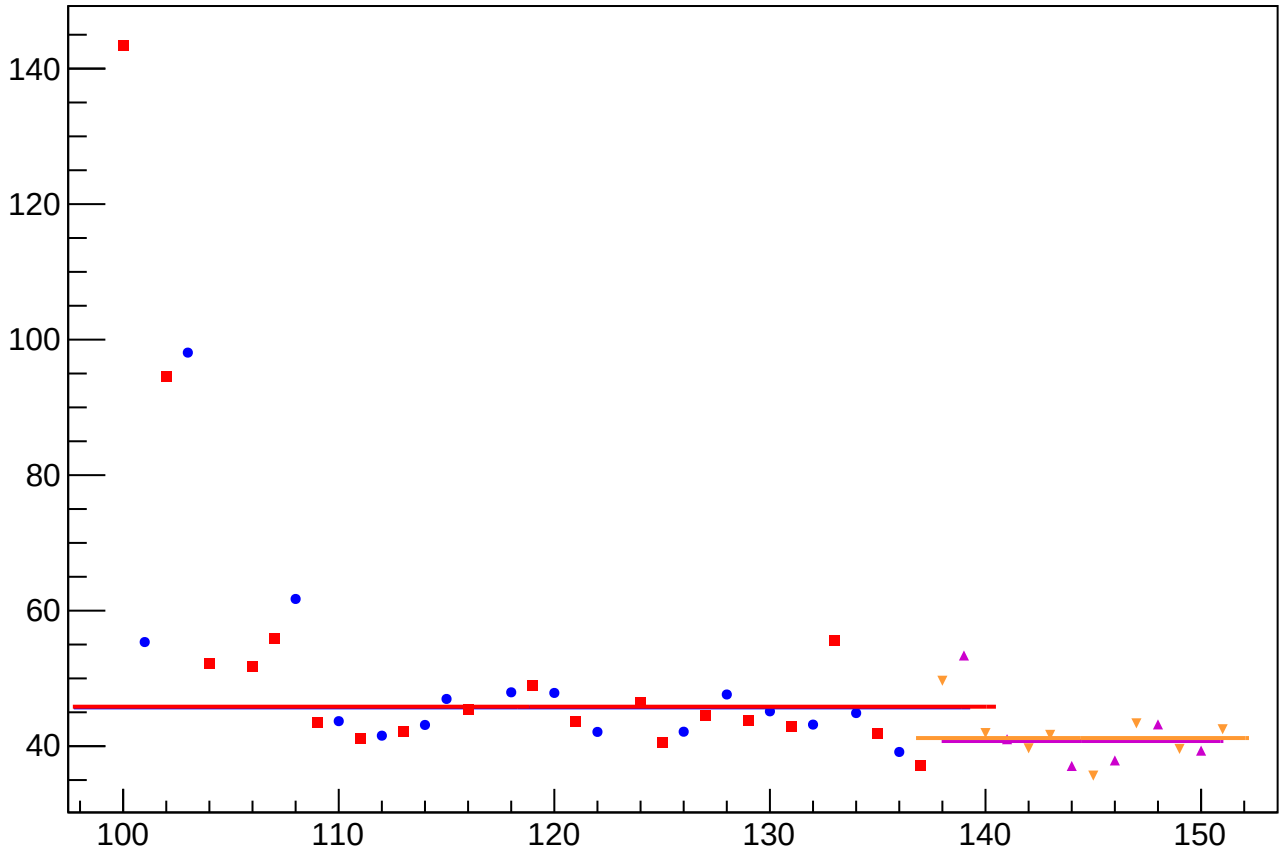
Left: -64.422+/-12.224 χ^2/NDF: 22.0/13

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.861+/-12.516 χ^2/NDF:26.0/21

Out: -26.313+/-12.028 χ^2/NDF:52.2/26

All: -21.775+/-8.673 χ^2/NDF: 78.5/48



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.198+/-0.012 χ^2/NDF:93043.8/7

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.761+/-0.013 χ^2/NDF:129804.6/5

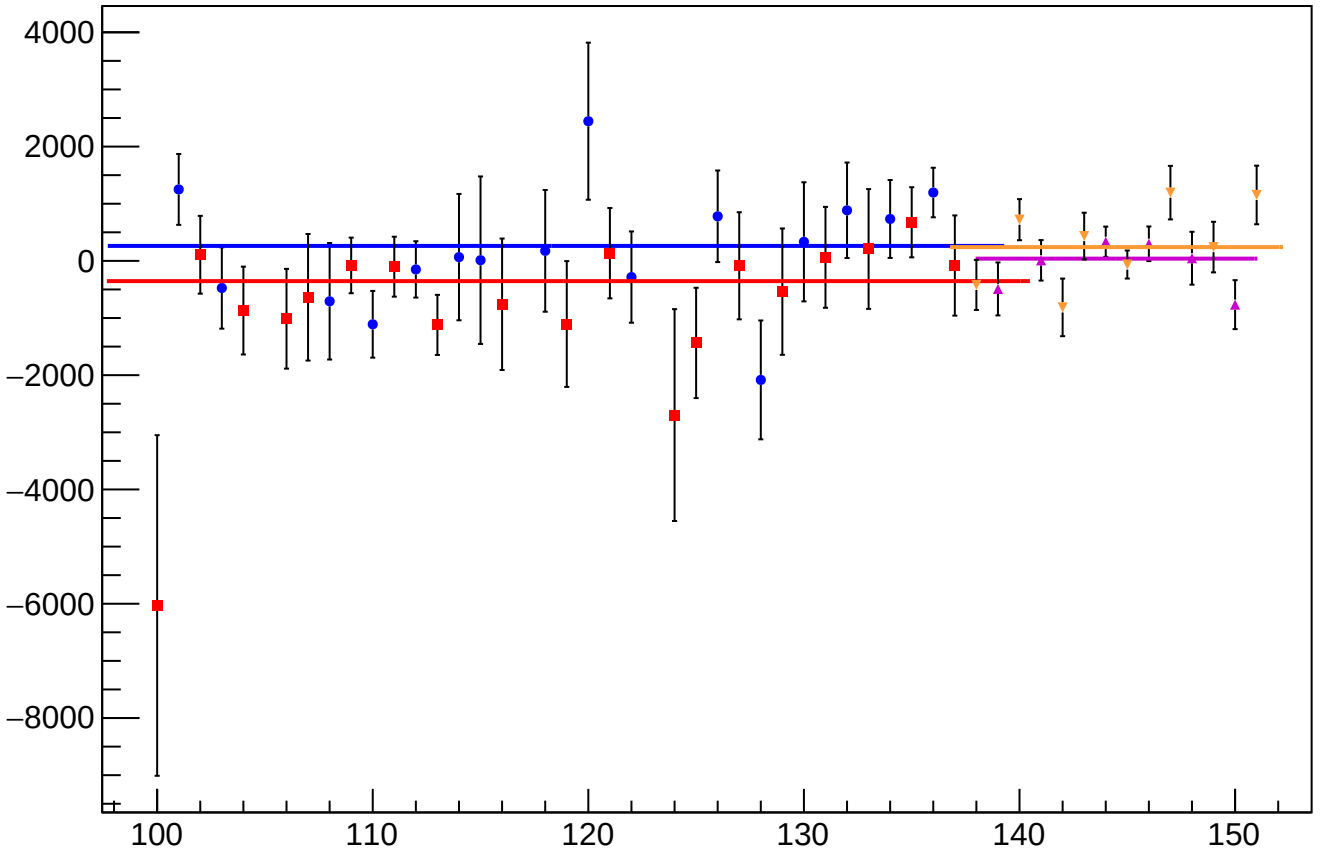
Left: 40.995+/-0.009 χ^2/NDF: 223483.4/13

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.310+/-0.009 χ^2/NDF:709917.3/21

Out: 43.425+/-0.009 χ^2/NDF:705422.8/26

All: 43.369+/-0.006 χ^2/NDF: 1415427.6/48



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 241.194+/-137.484 χ^2/NDF:17.5/7

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 39.293+/-144.436 χ^2/NDF:6.8/5

Left: 145.219+/-99.583 χ^2/NDF: 25.4/13

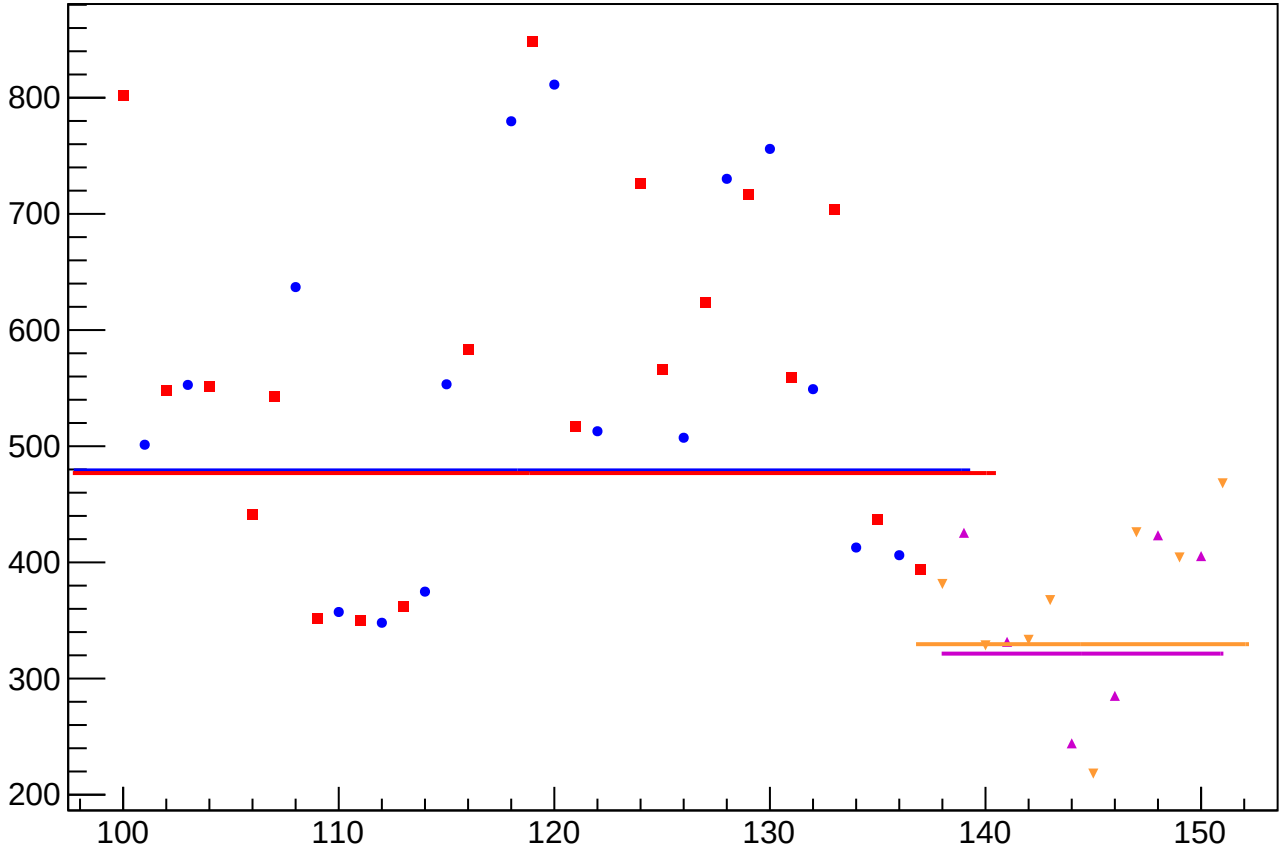
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 123.494+/-113.897 χ^2/NDF:32.7/21

Out: 24.728+/-109.681 χ^2/NDF:39.5/26

All: 72.249+/-79.004 χ^2/NDF: 72.6/48

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: 329.589+/-0.097 χ^2/NDF:744507.5/7

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 321.457+/-0.102 χ^2/NDF:475322.1/5

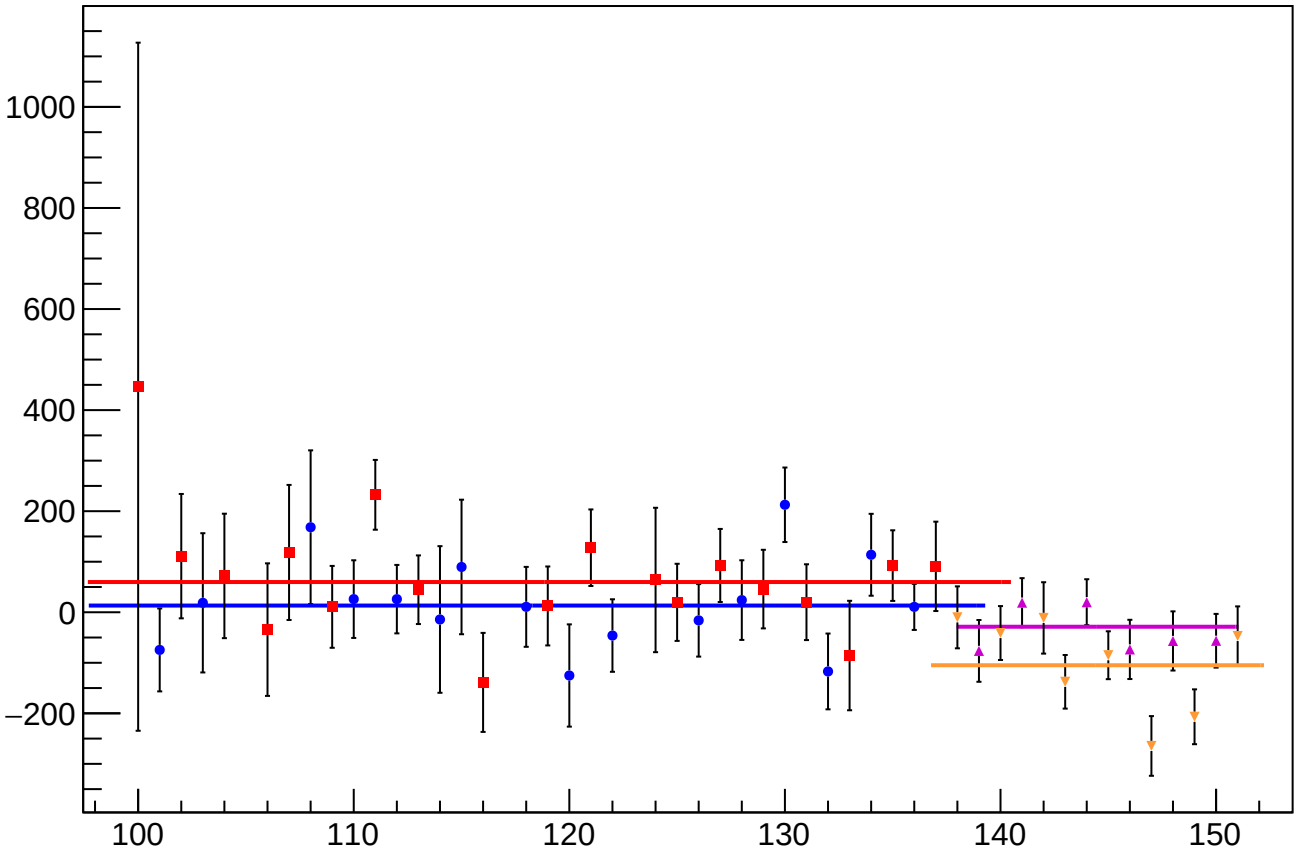
Left: 325.723+/-0.070 χ^2/NDF: 1223155.3/13

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 381.103+/-0.081 χ^2/NDF:2329933.1/21

Out: 383.143+/-0.078 χ^2/NDF:2582985.4/26

All: 382.162+/-0.056 χ^2/NDF: 4913251.6/48



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -104.848+/-19.858 χ^2/NDF:17.9/7

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -28.665+/-21.741 χ^2/NDF:3.8/5

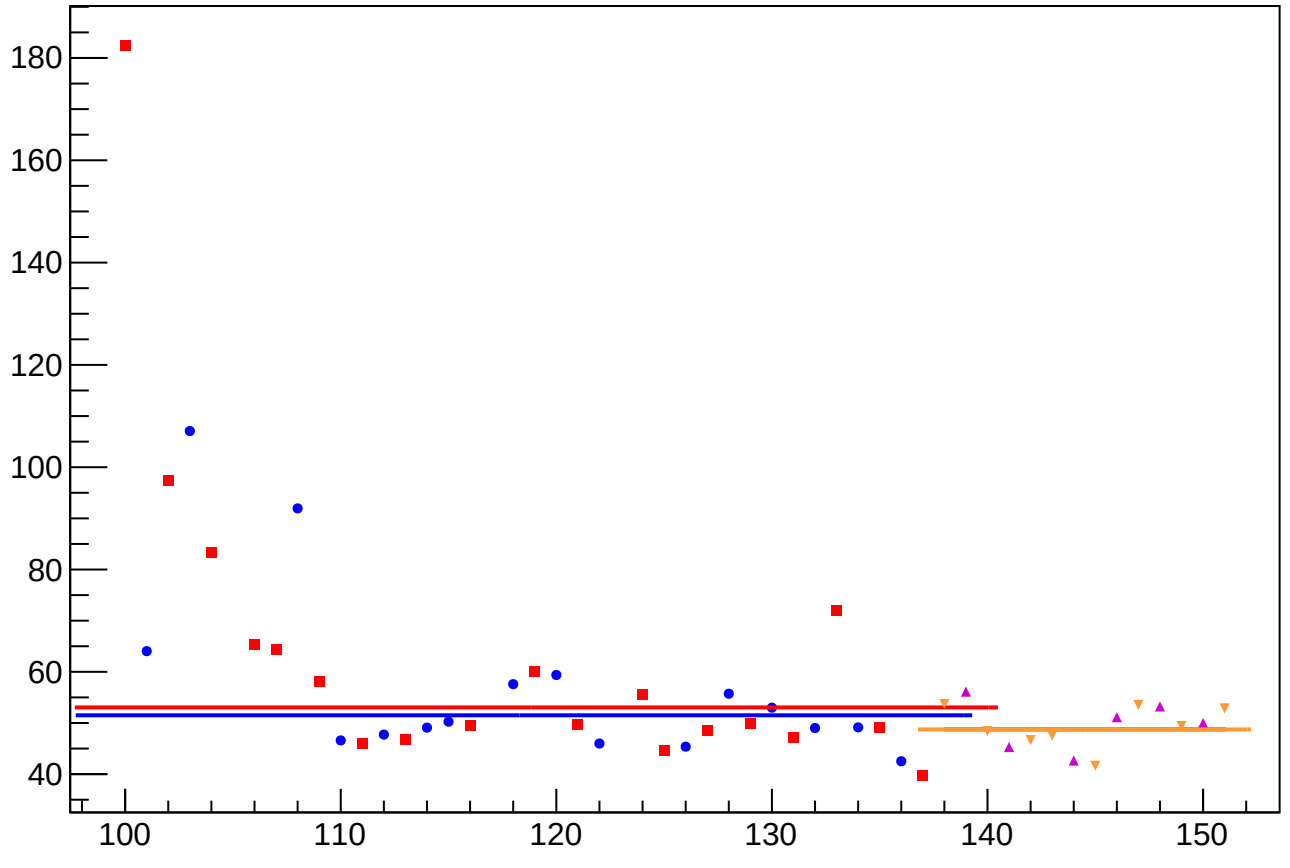
Left: -70.199+/-14.662 χ^2/NDF: 28.5/13

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -5.796+/-14.659 χ^2/NDF:23.1/21

Out: -24.063+/-14.173 χ^2/NDF:67.8/26

All: -15.237+/-10.189 χ^2/NDF: 91.7/48



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.737+/-0.014 χ^2/NDF:84195.6/7

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 48.747+/-0.015 χ^2/NDF:91489.2/5

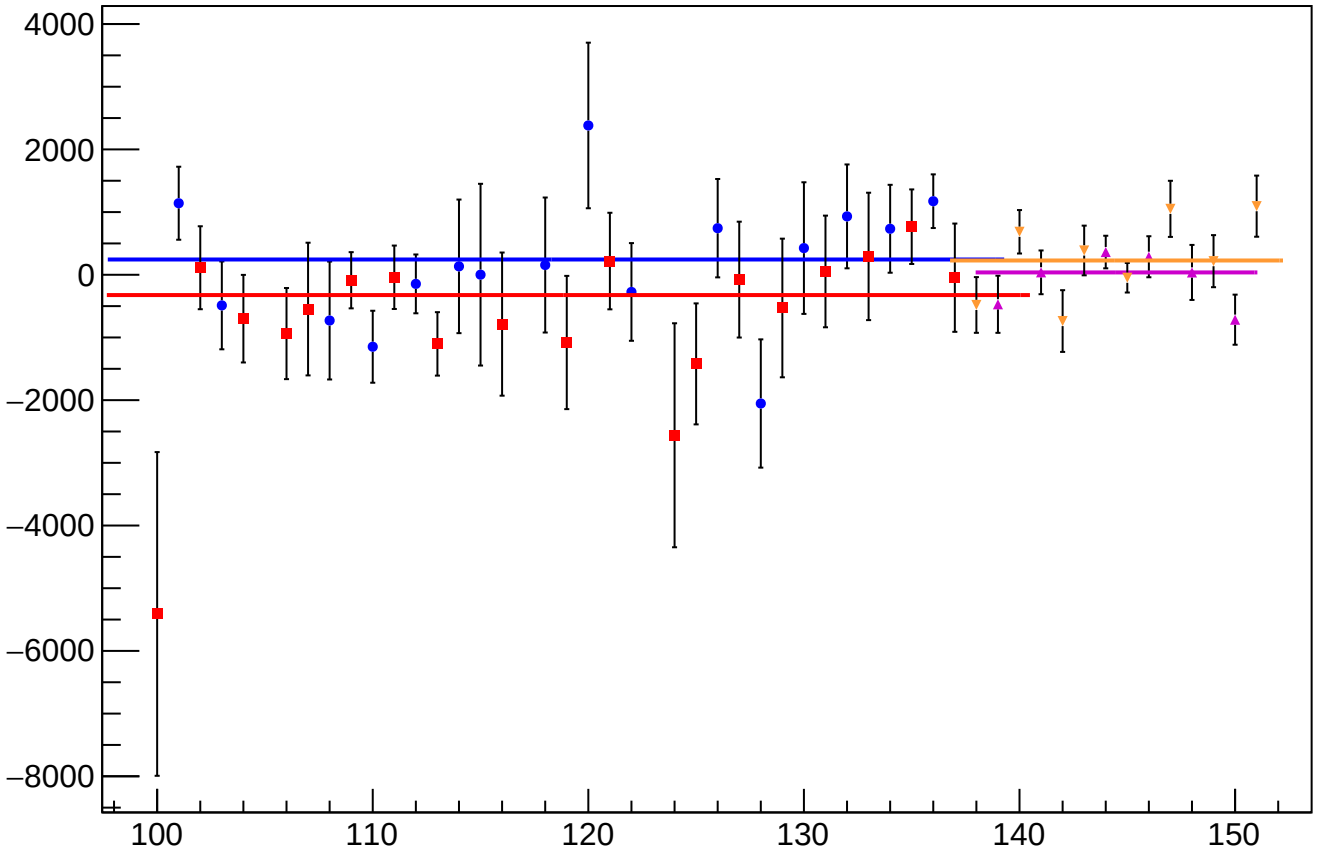
Left: 48.742+/-0.010 χ^2/NDF: 175685.0/13

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 50.252+/-0.010 χ^2/NDF:776102.8/21

Out: 50.847+/-0.010 χ^2/NDF:843119.9/26

All: 50.559+/-0.007 χ^2/NDF: 1620926.8/48



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 228.009+/-132.633 χ^2/NDF:16.2/7

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 37.484+/-143.398 χ^2/NDF:7.0/5

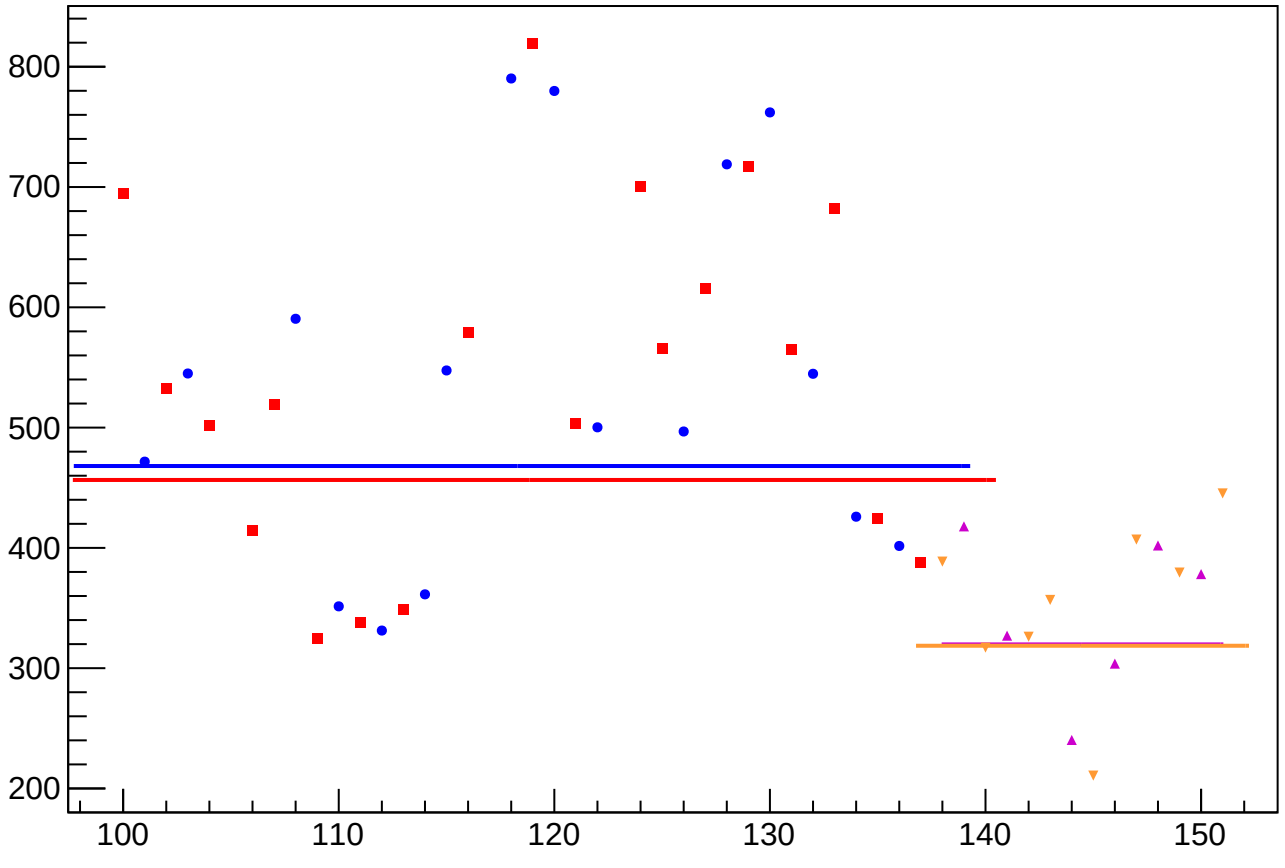
Left: 140.166+/-97.369 χ^2/NDF: 24.1/13

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 117.124+/-112.368 χ^2/NDF:33.3/21

Out: 24.736+/-105.400 χ^2/NDF:39.1/26

All: 67.977+/-76.875 χ^2/NDF: 72.8/48



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 318.648+/-0.094 χ^2/NDF:743075.2/7

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 319.768+/-0.101 χ^2/NDF:398213.1/5

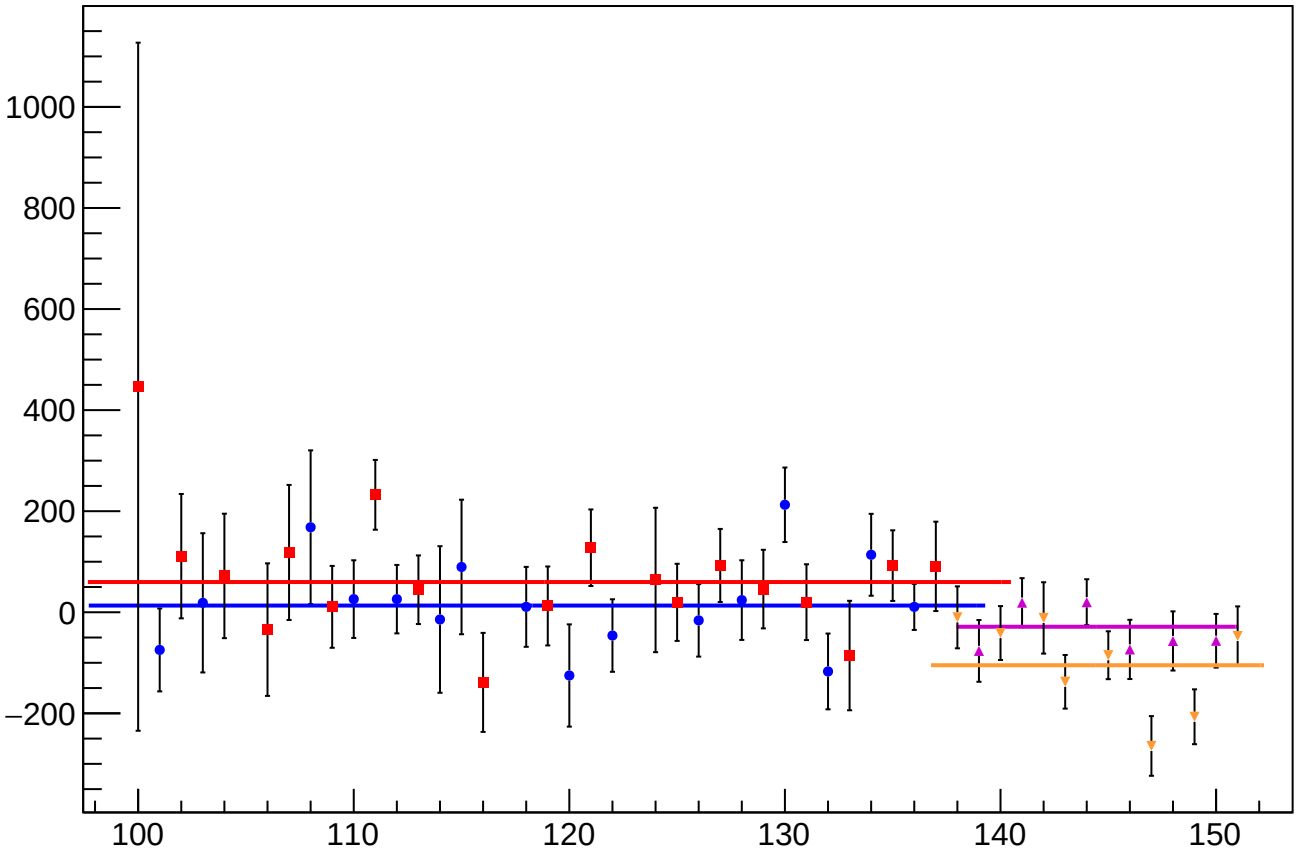
Left: 319.165+/-0.069 χ^2/NDF: 1141354.1/13

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 377.005+/-0.079 χ^2/NDF:2206691.8/21

Out: 369.433+/-0.075 χ^2/NDF:2621395.6/26

All: 372.977+/-0.054 χ^2/NDF: 4832918.5/48



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -104.848+/-19.858 χ^2/NDF:17.9/7

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -28.665+/-21.741 χ^2/NDF:3.8/5

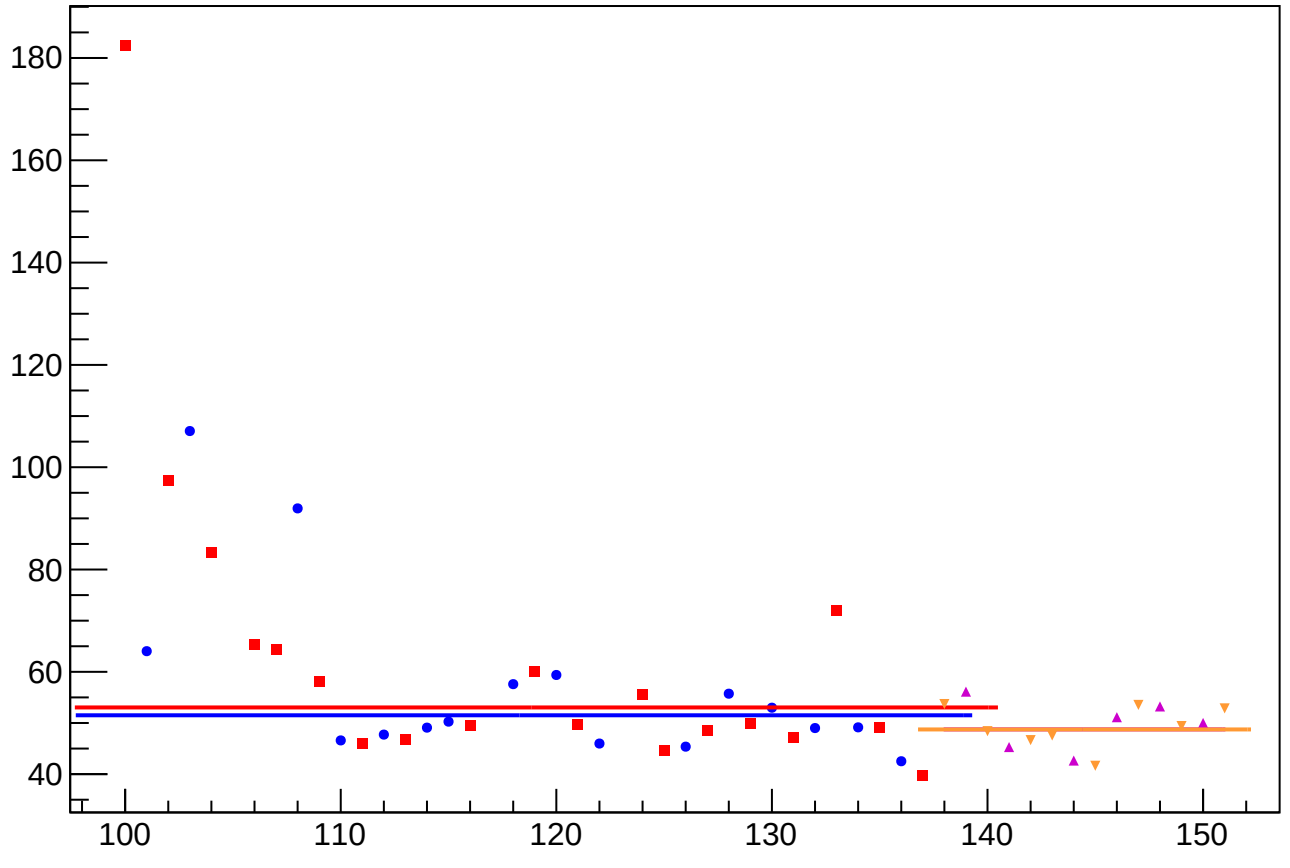
Left: -70.199+/-14.662 χ^2/NDF: 28.5/13

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -5.796+/-14.659 χ^2/NDF:23.1/21

Out: -24.063+/-14.173 χ^2/NDF:67.8/26

All: -15.237+/-10.189 χ^2/NDF: 91.7/48



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.737+/-0.014 χ^2/NDF:84195.1/7

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 48.747+/-0.015 χ^2/NDF:91488.3/5

Left: 48.742+/-0.010 χ^2/NDF: 175683.6/13

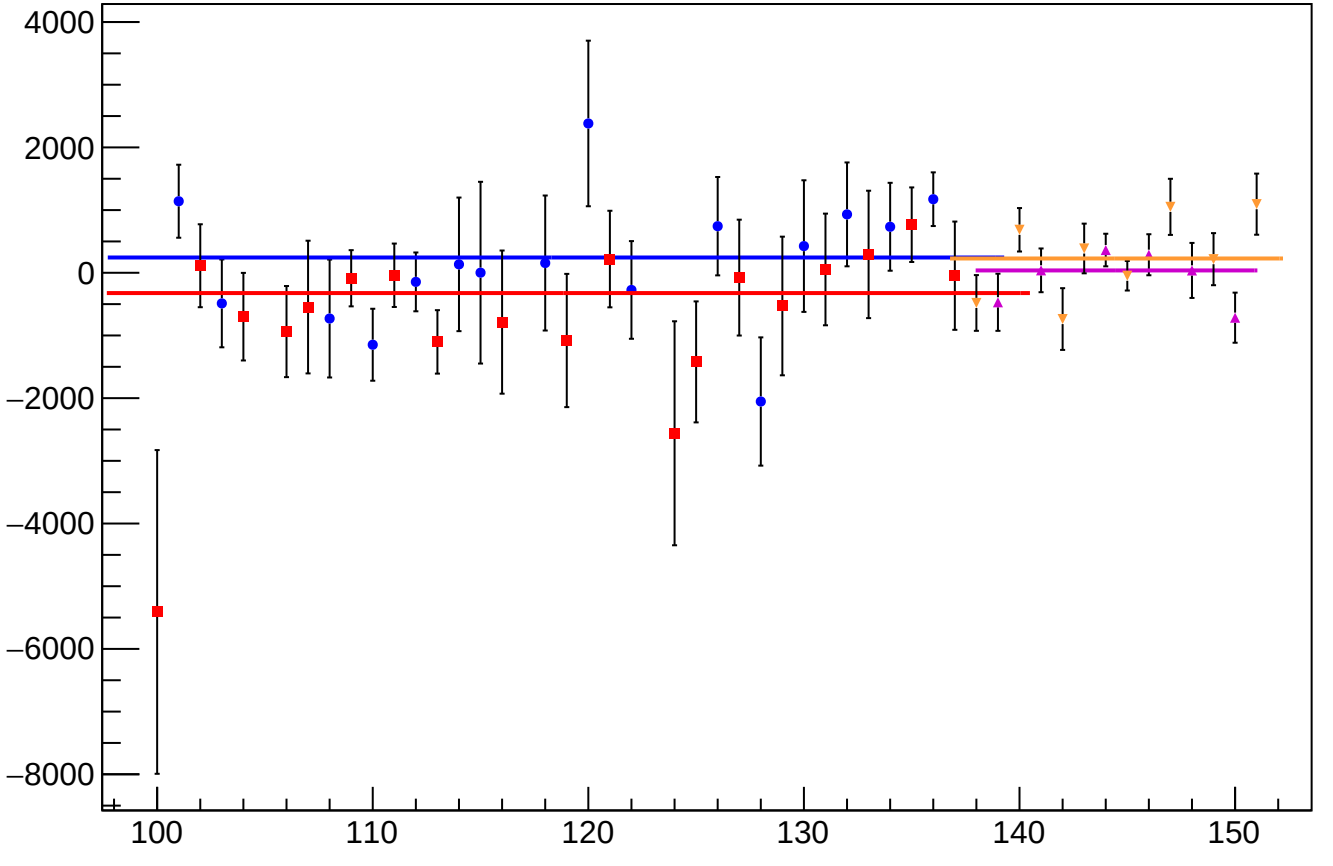
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 50.252+/-0.010 χ^2/NDF:776107.4/21

Out: 50.847+/-0.010 χ^2/NDF:843128.9/26

All: 50.559+/-0.007 χ^2/NDF: 1620940.6/48

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: 228.010+/-132.633 χ^2/NDF:16.2/7

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 37.484+/-143.398 χ^2/NDF:7.0/5

Left: 140.166+/-97.369 χ^2/NDF: 24.1/13

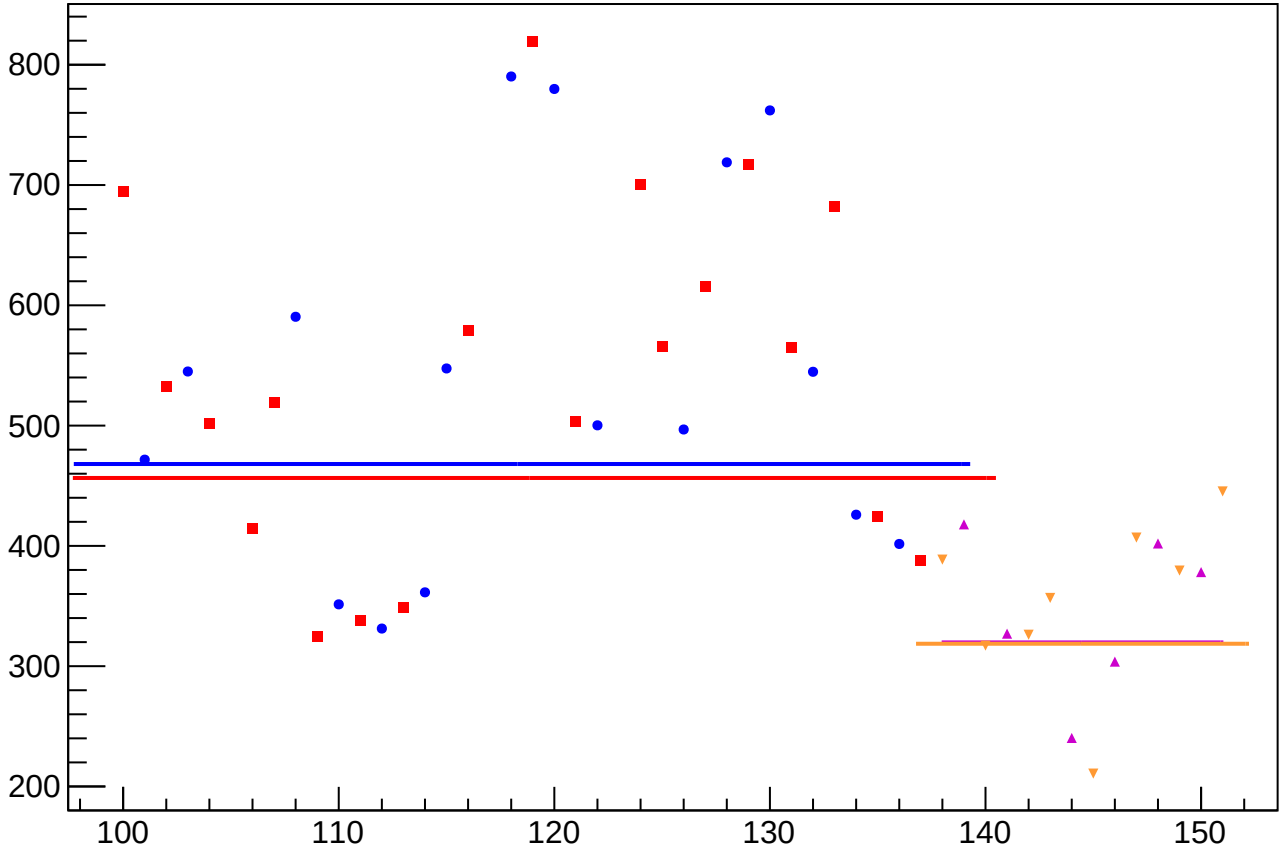
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 117.124+/-112.368 χ^2/NDF:33.3/21

Out: 24.736+/-105.400 χ^2/NDF:39.1/26

All: 67.977+/-76.875 χ^2/NDF: 72.8/48

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 318.648+/-0.094 χ^2/NDF:743079.1/7

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 319.769+/-0.101 χ^2/NDF:398215.6/5

Left: 319.165+/-0.069 χ^2/NDF: 1141360.6/13

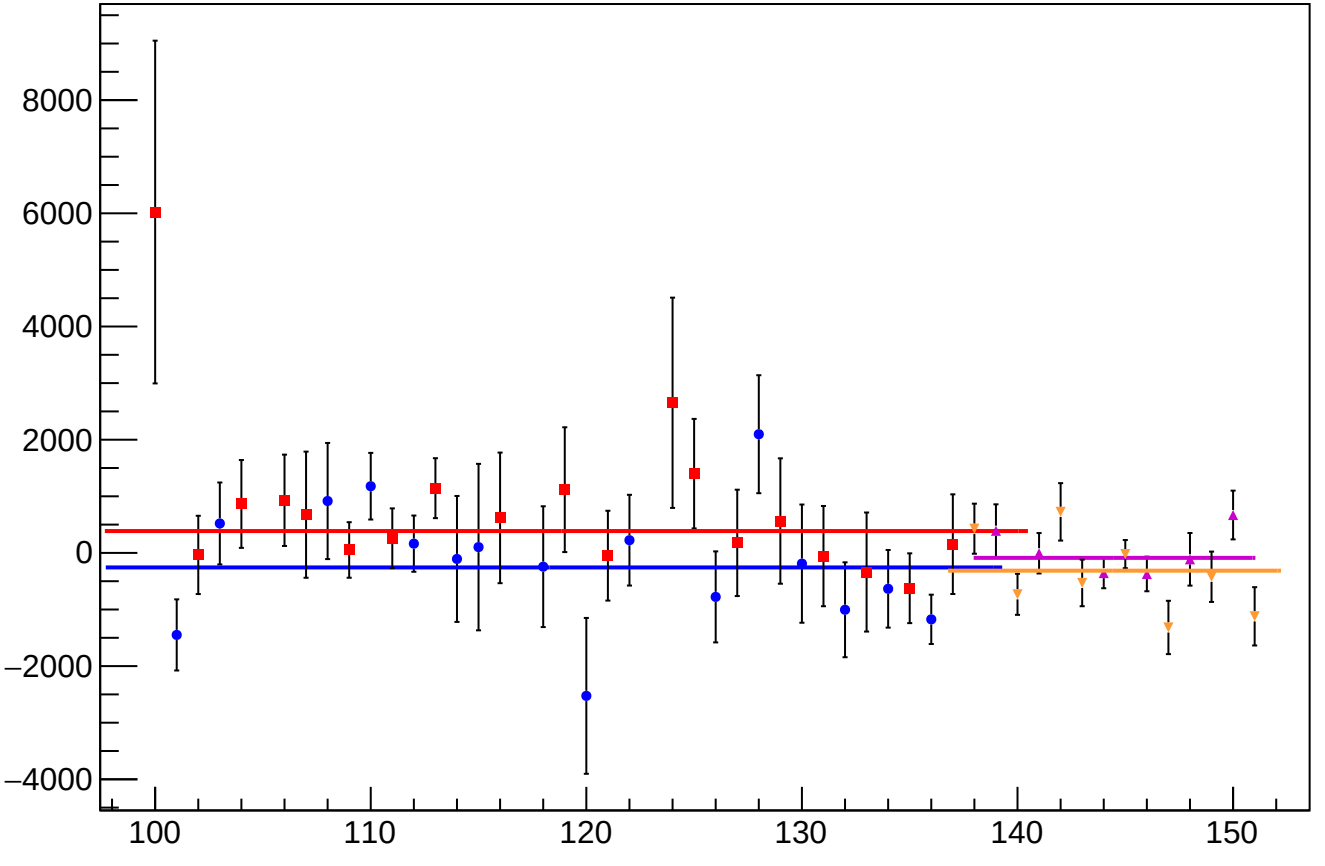
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 377.005+/-0.079 χ^2/NDF:2206684.5/21

Out: 369.433+/-0.075 χ^2/NDF:2621389.7/26

All: 372.977+/-0.054 χ^2/NDF: 4832905.5/48

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -313.810+/-138.683 χ^2/NDF:17.0/7

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -87.540+/-145.706 χ^2/NDF:6.1/5

Left: -206.259+/-100.455 χ^2/NDF: 24.4/13

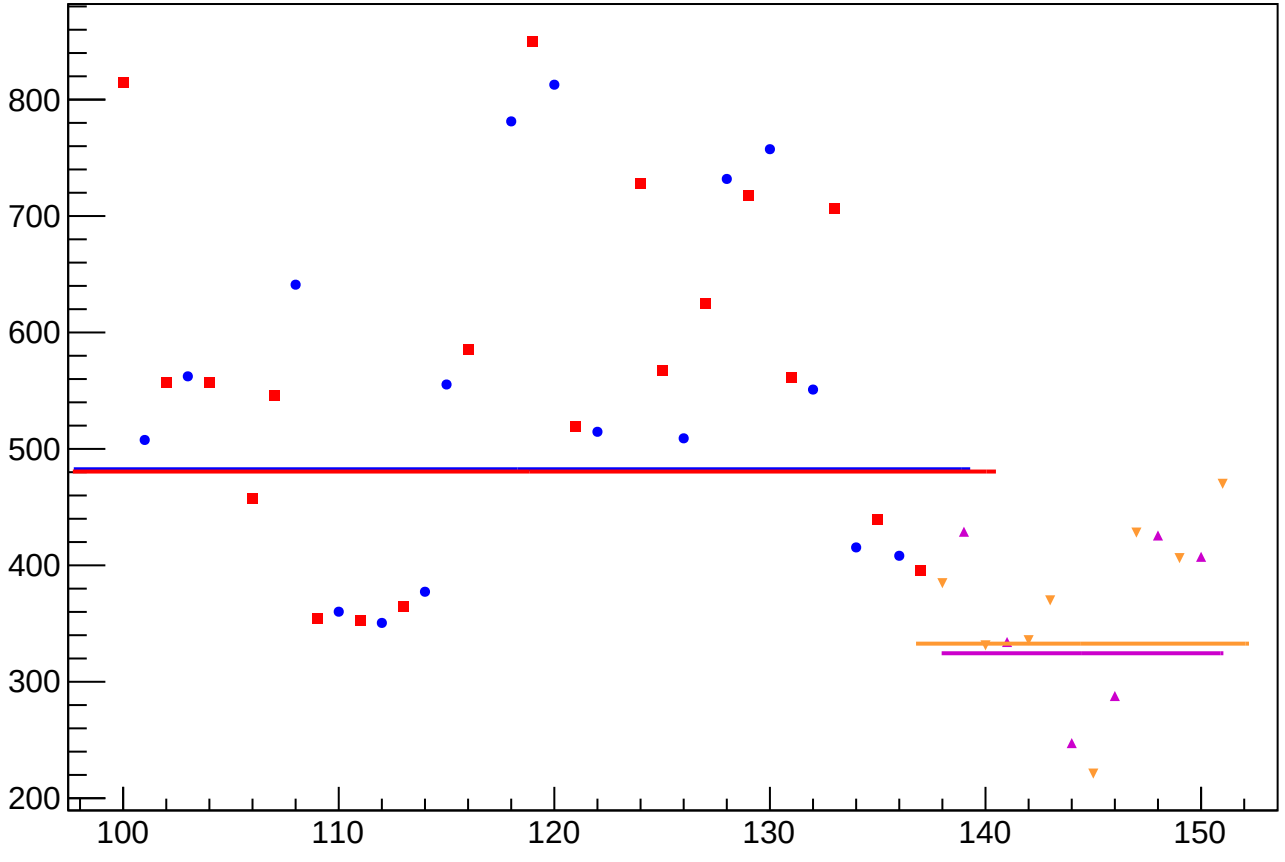
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -151.691+/-114.810 χ^2/NDF:33.5/21

Out: -57.222+/-110.389 χ^2/NDF:40.6/26

All: -102.603+/-79.574 χ^2/NDF: 74.5/48

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 332.755+/-0.098 χ^2/NDF:725197.0/7

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 324.499+/-0.103 χ^2/NDF:464831.5/5

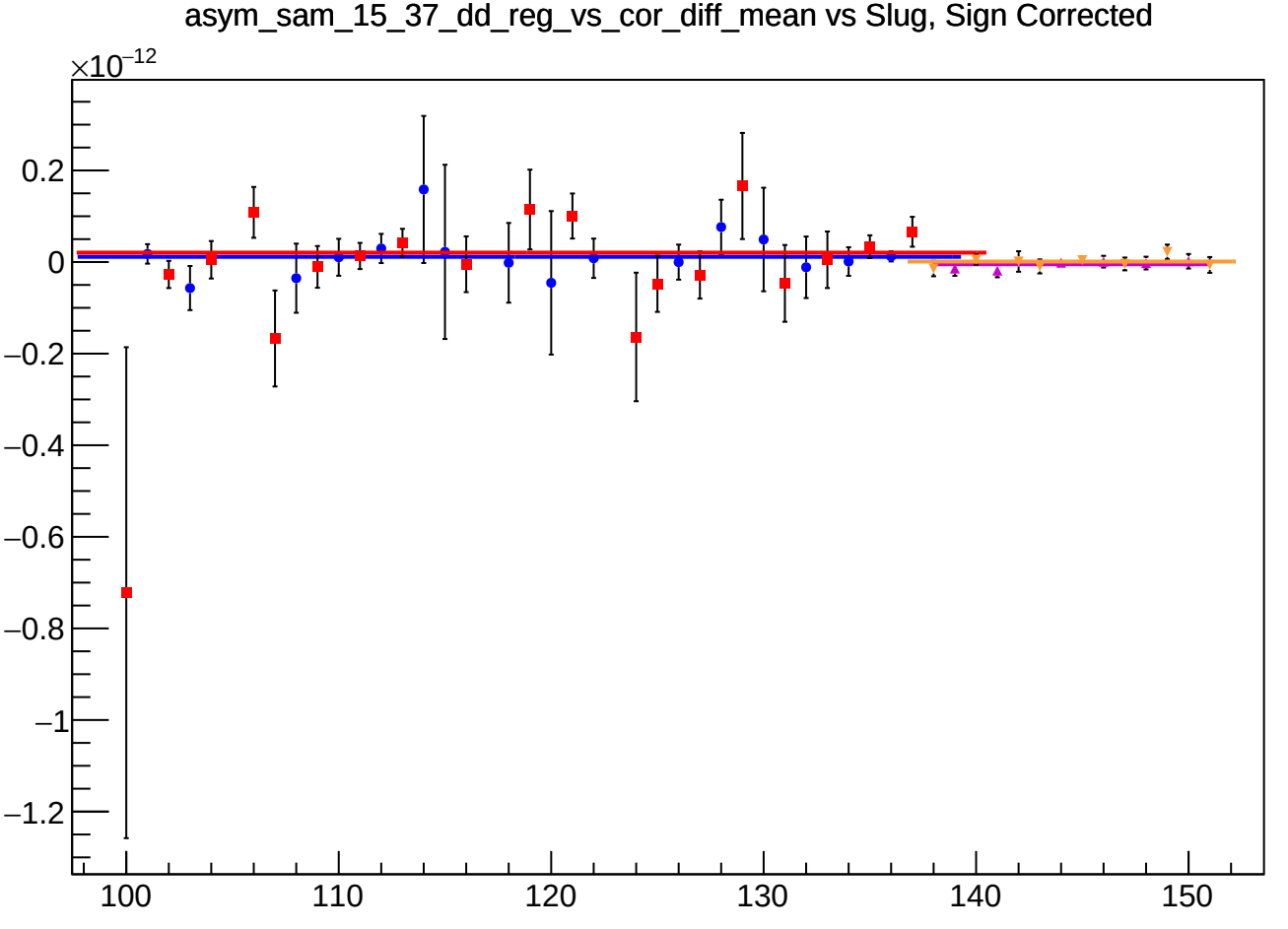
Left: 328.831+/-0.071 χ^2/NDF: 1193397.7/13

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 384.406+/-0.081 χ^2/NDF:2303106.9/21

Out: 386.913+/-0.078 χ^2/NDF:2551392.6/26

All: 385.709+/-0.056 χ^2/NDF: 4854995.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/5

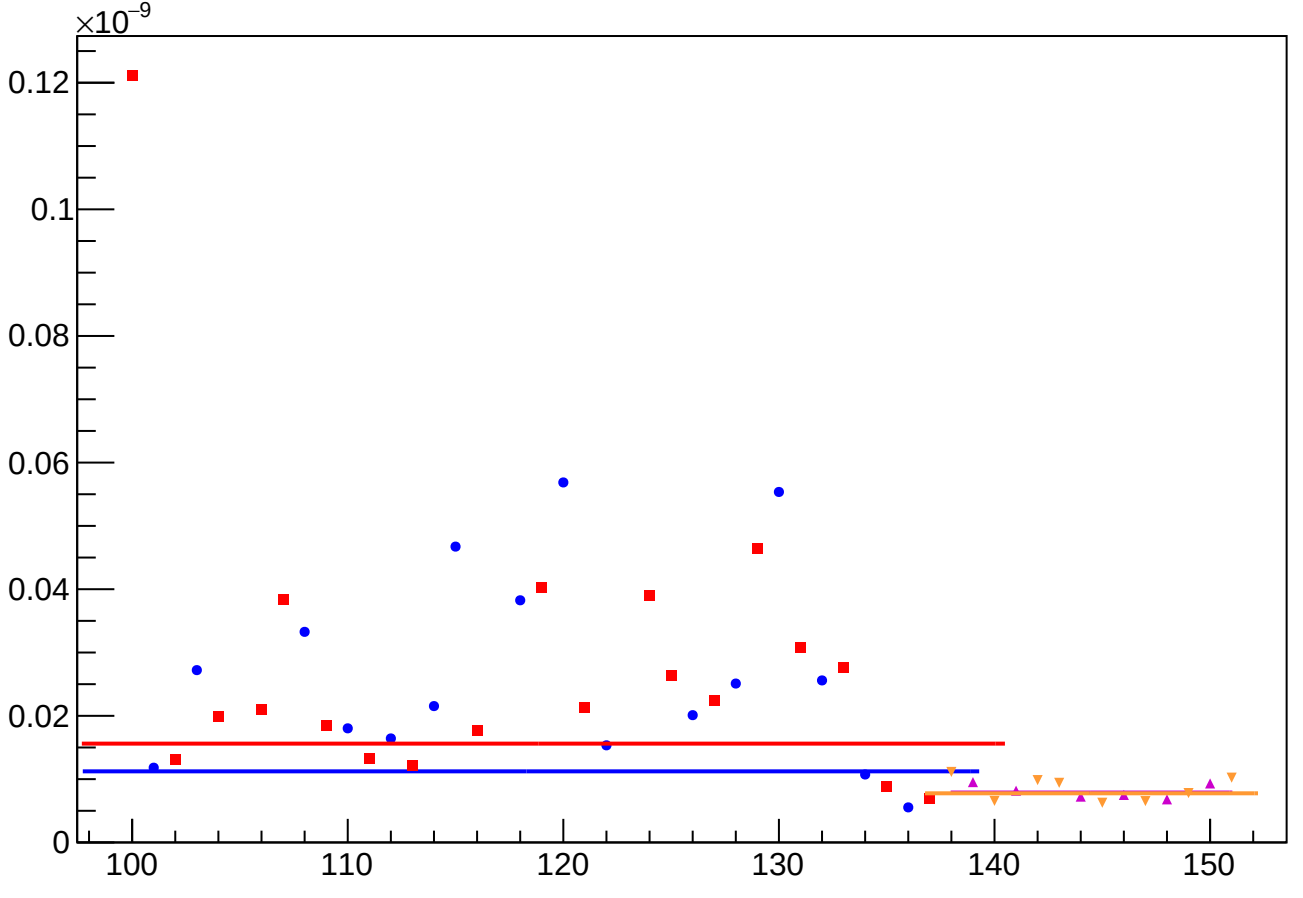
Left: -0.000+/-0.000 χ^2/NDF: 6.0/13

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: 0.000+/-0.000 χ^2/NDF:10.0/21

Out: 0.000+/-0.000 χ^2/NDF:30.3/26

All: 0.000+/-0.000 χ^2/NDF: 40.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:246469.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:59825.0/5

Left: 0.000+/-0.000 χ^2/NDF: 306852.3/13

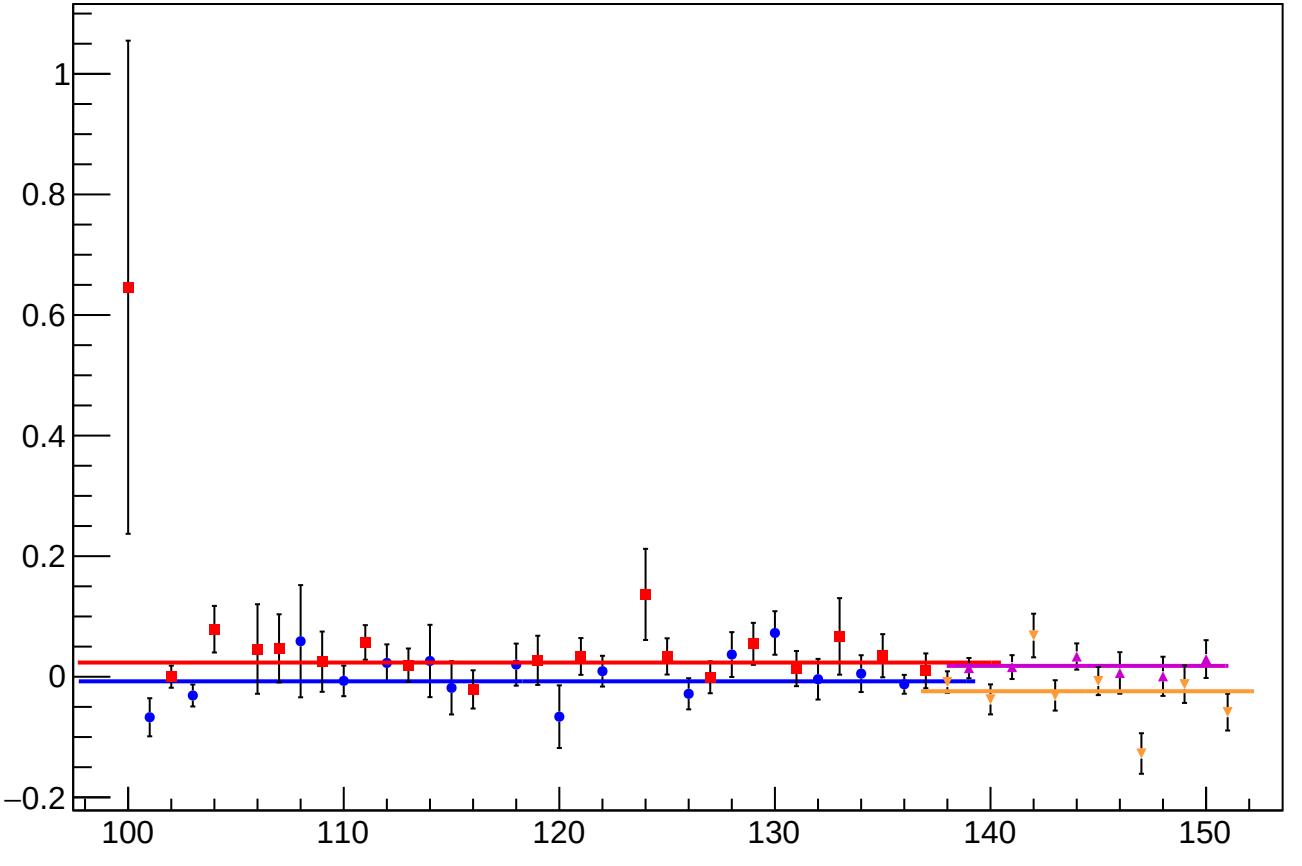
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2399868.0/21

Out: 0.000+/-0.000 χ^2/NDF:2379366.7/26

All: 0.000+/-0.000 χ^2/NDF: 4783180.3/48

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.024+/-0.009 χ^2/NDF:19.0/7

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.018+/-0.010 χ^2/NDF:1.1/5

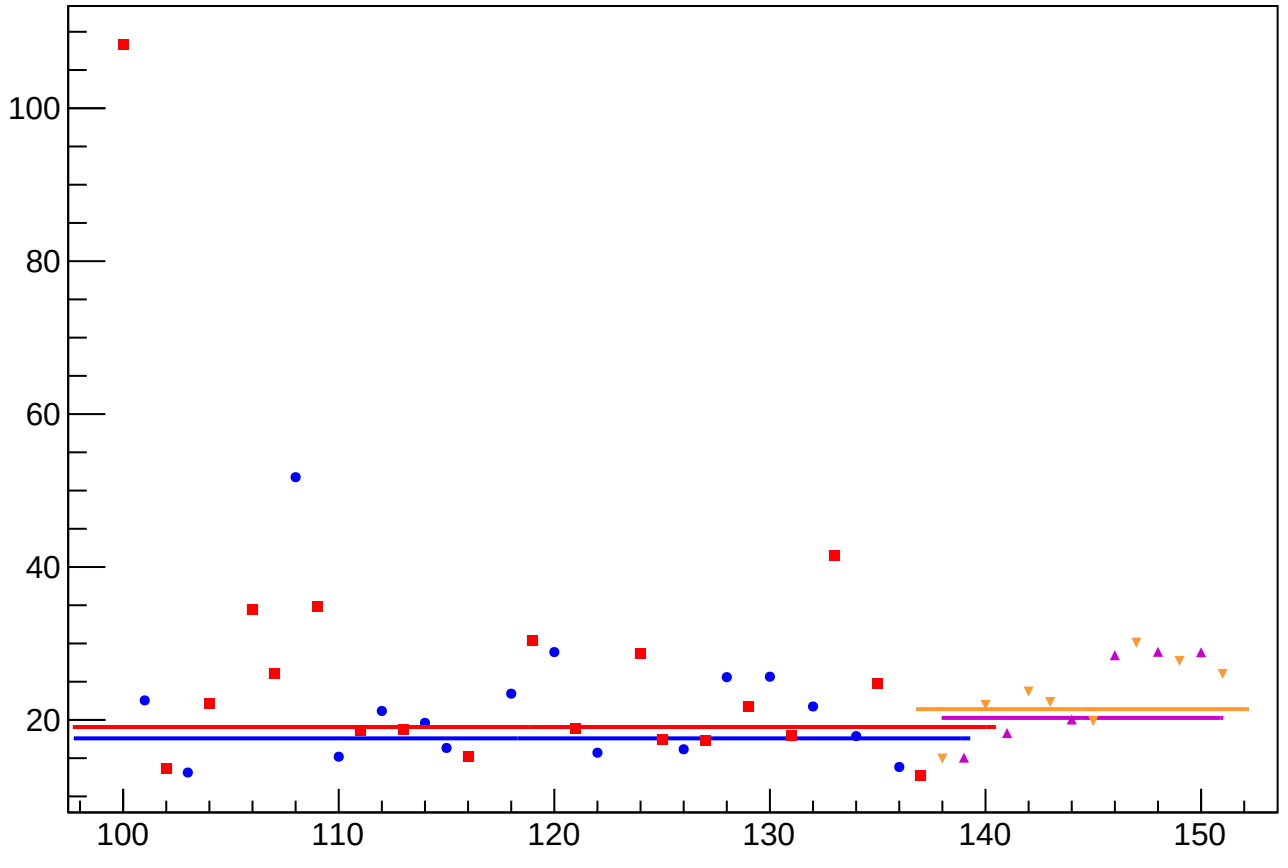
Left: -0.004+/-0.007 χ^2/NDF: 30.2/13

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.002+/-0.006 χ^2/NDF:22.4/21

Out: 0.004+/-0.006 χ^2/NDF:49.4/26

All: 0.003+/-0.004 χ^2/NDF: 71.8/48



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.411+/-0.006 χ^2/NDF:545791.8/7

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.266+/-0.007 χ^2/NDF:616569.3/5

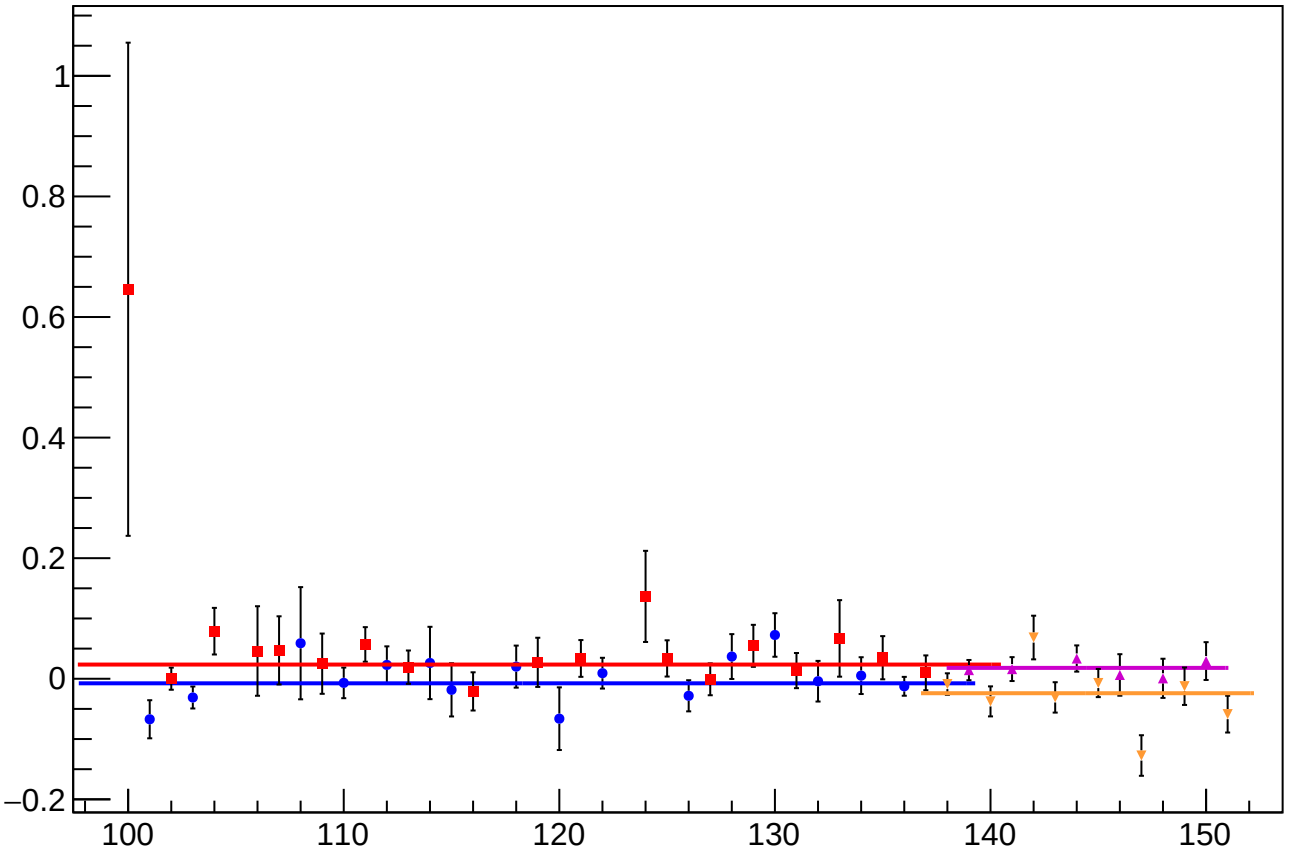
Left: 20.861+/-0.005 χ^2/NDF: 1177391.4/13

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.563+/-0.004 χ^2/NDF:1710095.6/21

Out: 20.047+/-0.004 χ^2/NDF:1869881.4/26

All: 19.284+/-0.003 χ^2/NDF: 3644773.8/48



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.024+/-0.009 χ^2/NDF:19.0/7

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.018+/-0.010 χ^2/NDF:1.1/5

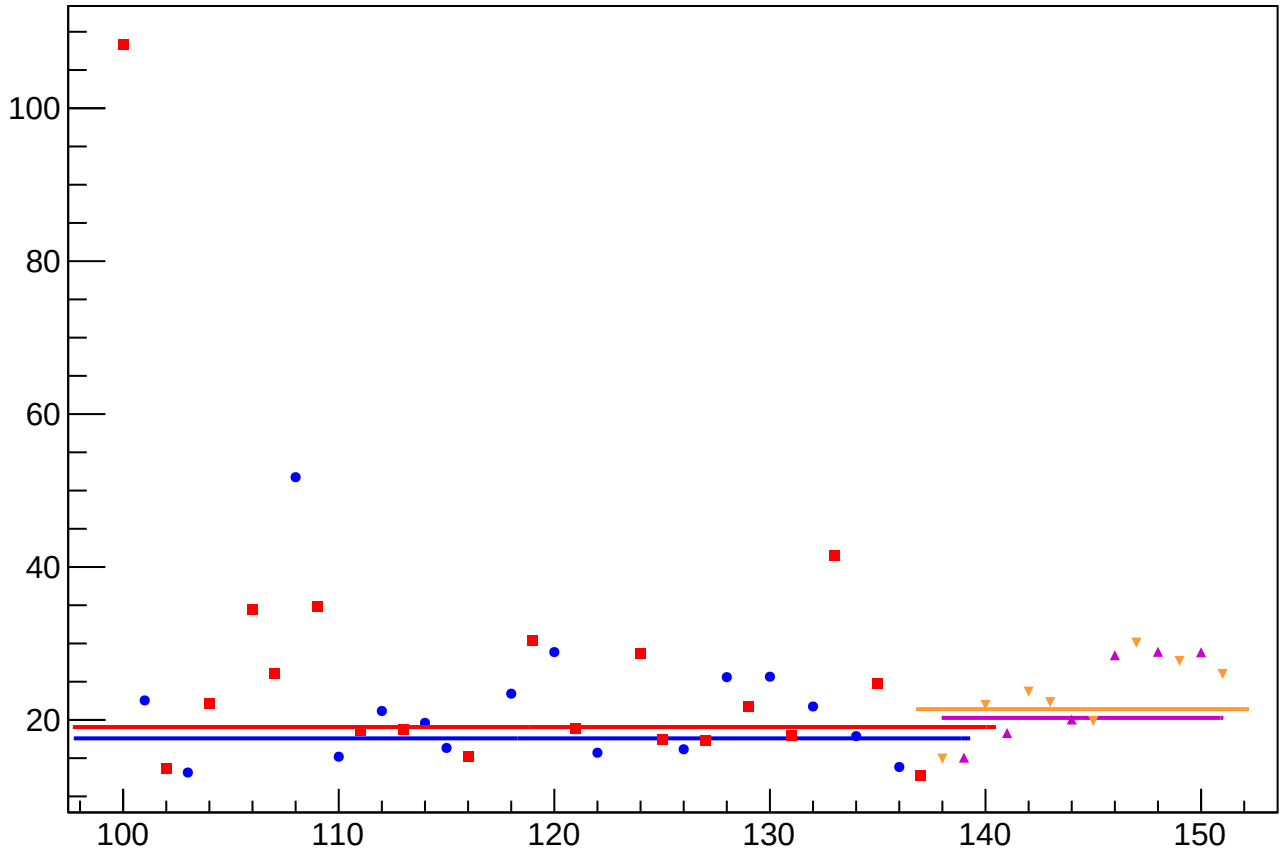
Left: -0.004+/-0.007 χ^2/NDF: 30.2/13

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.002+/-0.006 χ^2/NDF:22.4/21

Out: 0.004+/-0.006 χ^2/NDF:49.4/26

All: 0.003+/-0.004 χ^2/NDF: 71.8/48



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.411+/-0.006 χ^2/NDF:545791.8/7

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.266+/-0.007 χ^2/NDF:616569.3/5

Left: 20.861+/-0.005 χ^2/NDF: 1177391.4/13

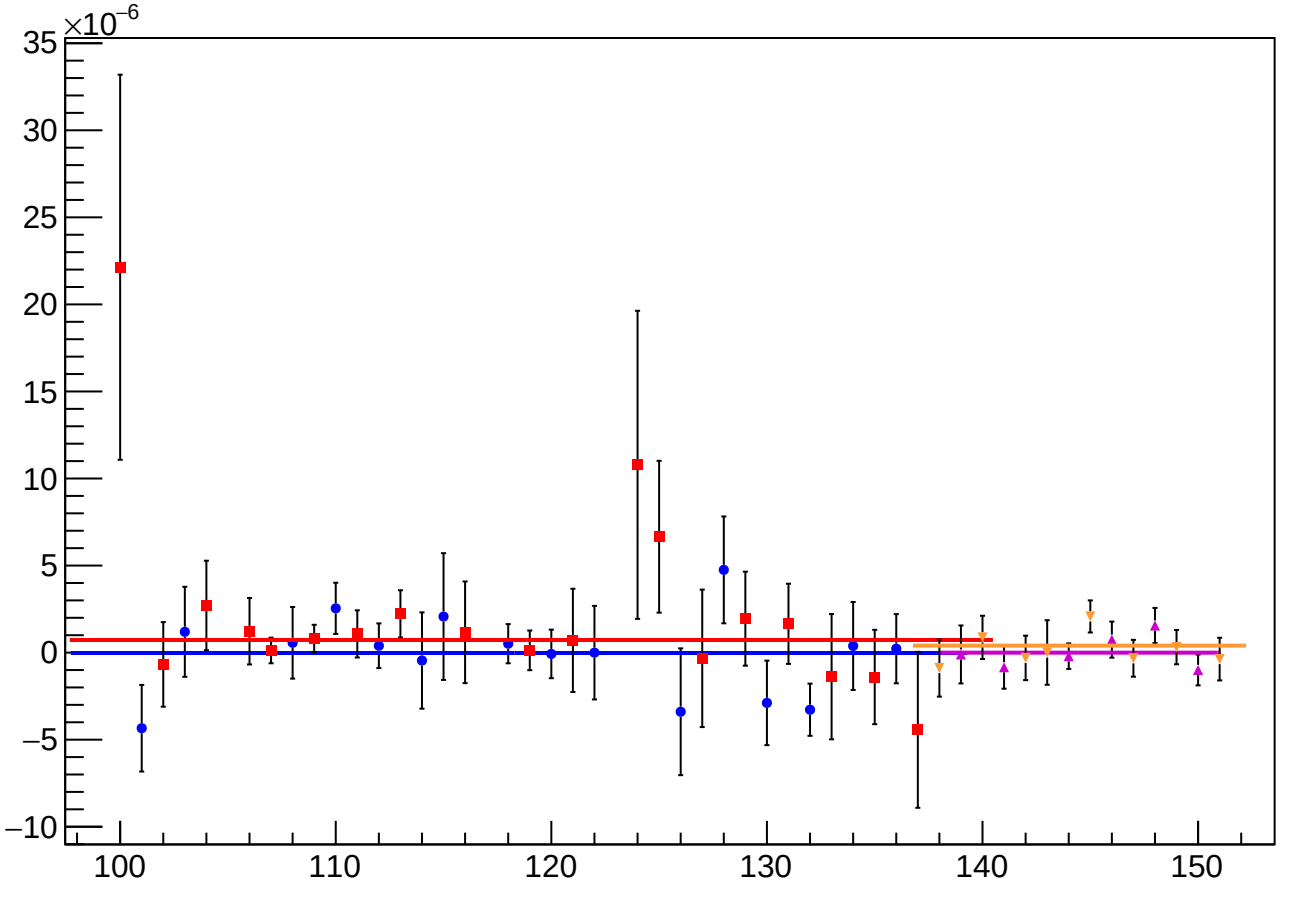
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.563+/-0.004 χ^2/NDF:1710095.6/21

Out: 20.047+/-0.004 χ^2/NDF:1869881.4/26

All: 19.284+/-0.003 χ^2/NDF: 3644773.8/48

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:5.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/5

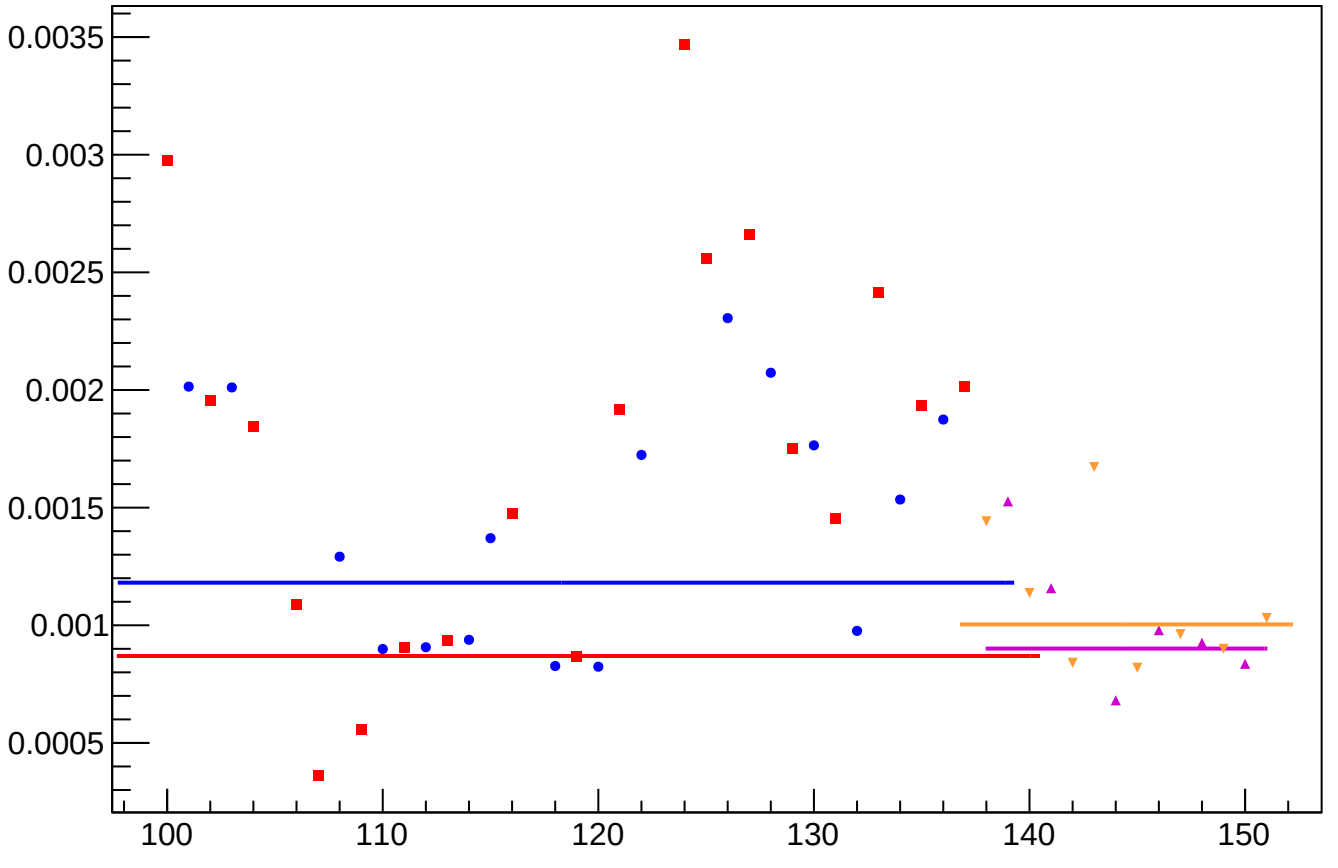
Left: 0.000+/-0.000 χ^2/NDF: 10.5/13

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:21.2/21

Out: 0.000+/-0.000 χ^2/NDF:18.5/26

All: 0.000+/-0.000 χ^2/NDF: 41.7/48



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:564719.3/7

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:571971.7/5

Left: 0.001+/-0.000 χ^2/NDF: 1198741.2/13

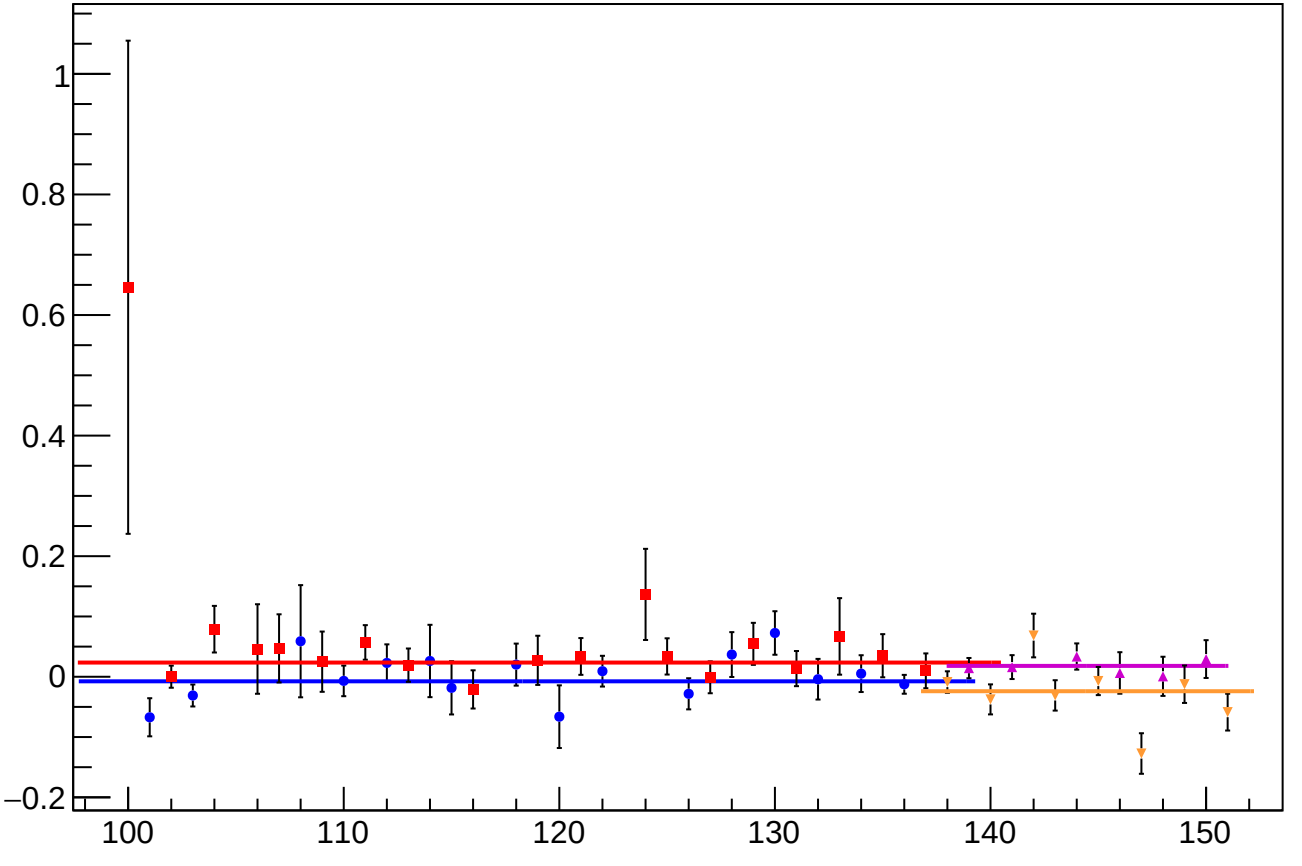
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:2804193.5/21

Out: 0.001+/-0.000 χ^2/NDF:5112593.2/26

All: 0.001+/-0.000 χ^2/NDF: 8008967.4/48

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: -0.024+/-0.009 χ^2/NDF:19.0/7

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.018+/-0.010 χ^2/NDF:1.1/5

Left: -0.004+/-0.007 χ^2/NDF: 30.2/13

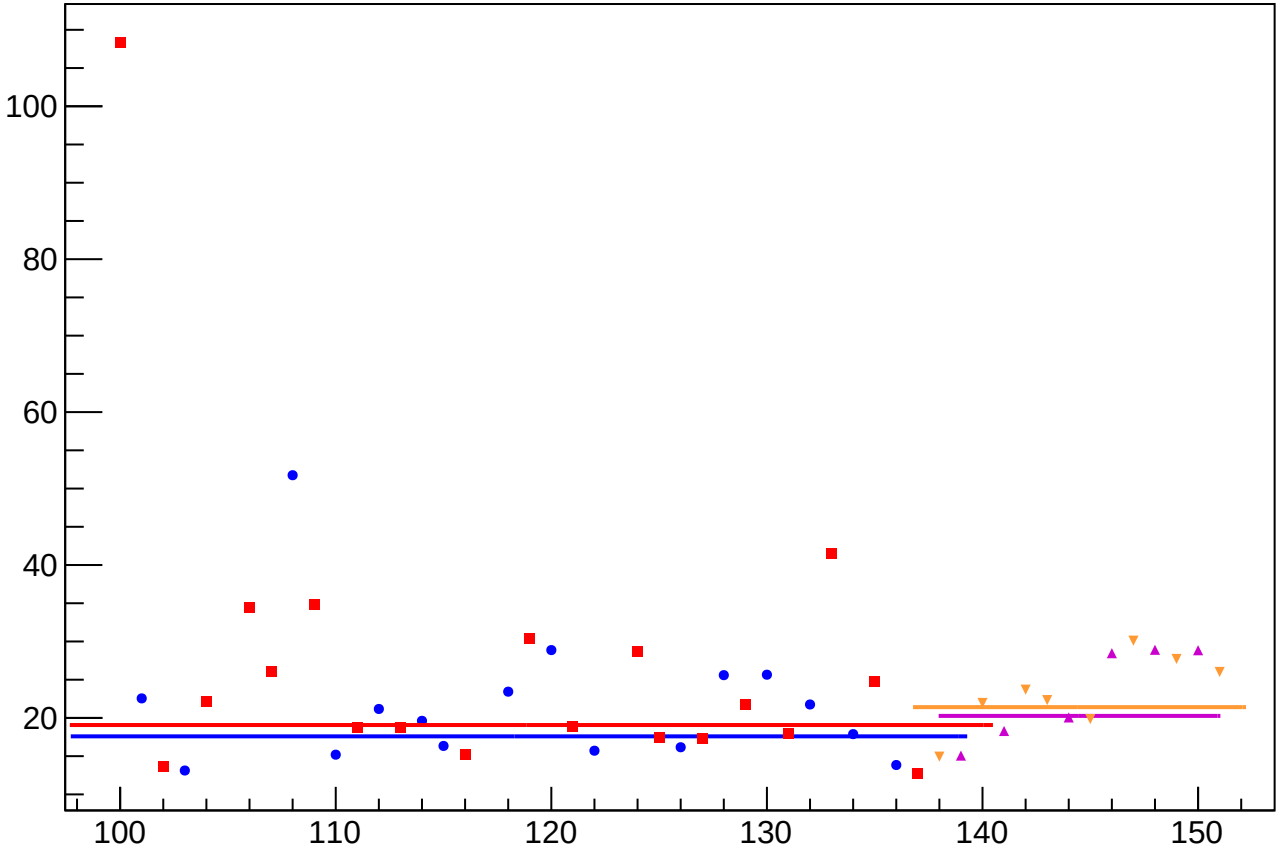
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.002+/-0.006 χ^2/NDF:22.4/21

Out: 0.004+/-0.006 χ^2/NDF:49.4/26

All: 0.003+/-0.004 χ^2/NDF: 71.8/48

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.412+/-0.006 χ^2/NDF:545780.1/7

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.266+/-0.007 χ^2/NDF:616529.3/5

Left: 20.862+/-0.005 χ^2/NDF: 1177337.0/13

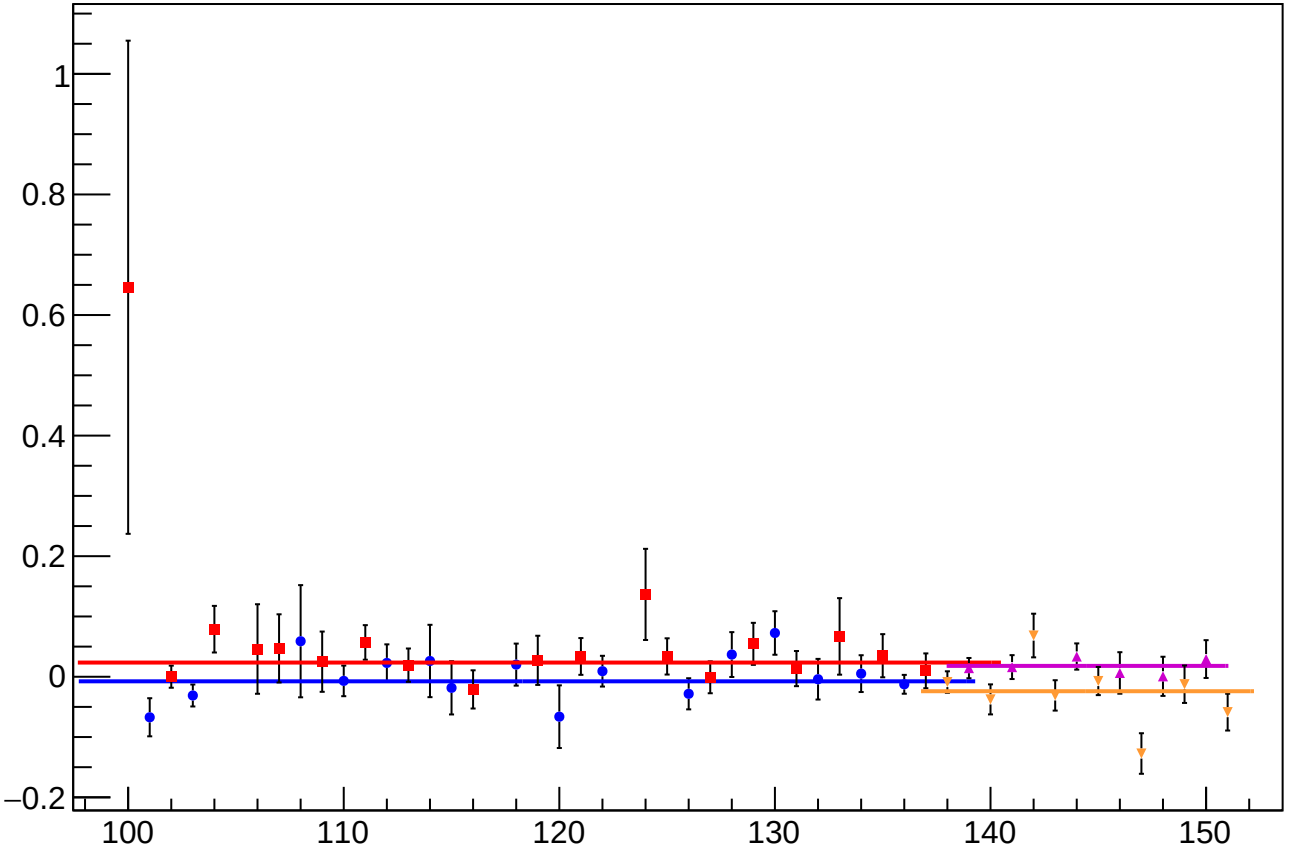
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.563+/-0.004 χ^2/NDF:1710106.8/21

Out: 20.048+/-0.004 χ^2/NDF:1869776.2/26

All: 19.284+/-0.003 χ^2/NDF: 3644692.5/48

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: -0.024+/-0.009 χ^2/NDF:19.0/7

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.018+/-0.010 χ^2/NDF:1.1/5

Left: -0.004+/-0.007 χ^2/NDF: 30.2/13

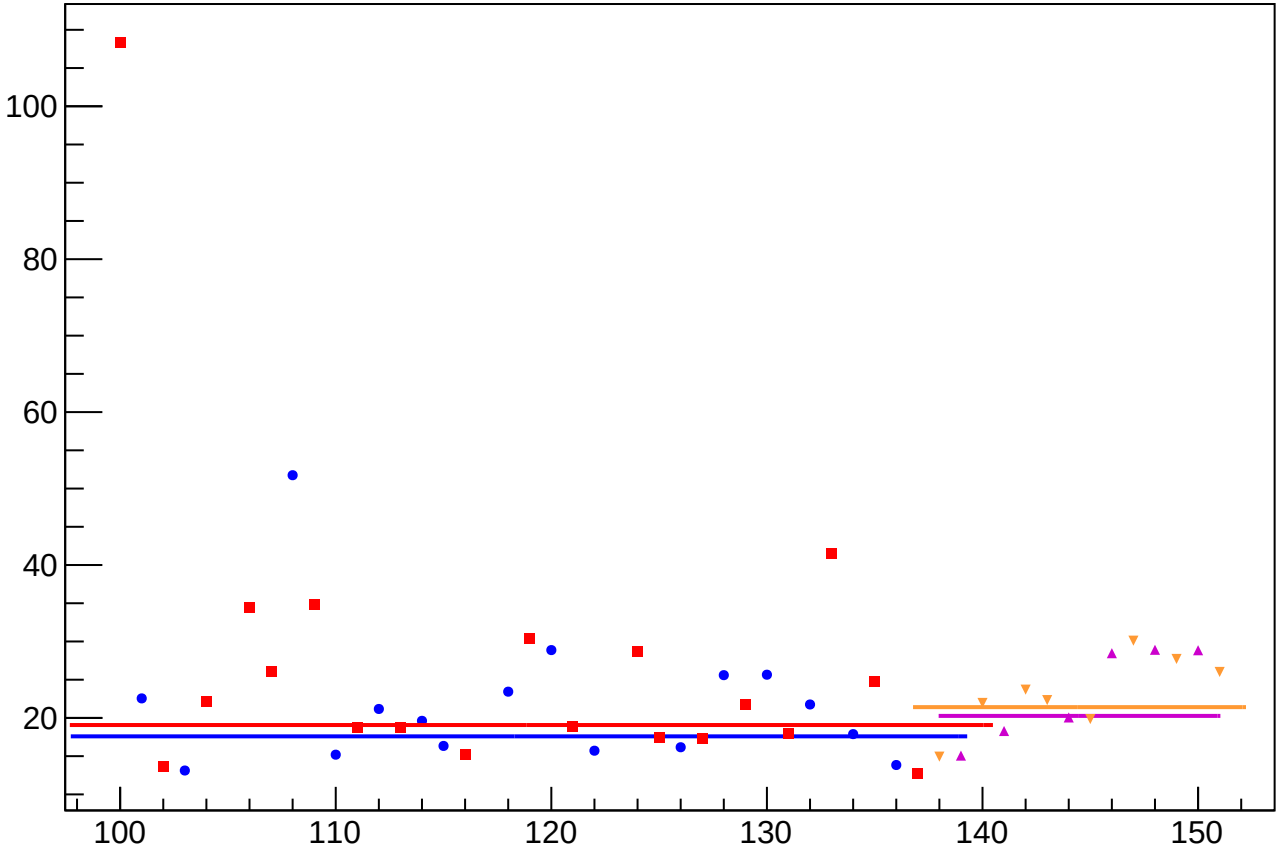
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.002+/-0.006 χ^2/NDF:22.4/21

Out: 0.004+/-0.006 χ^2/NDF:49.4/26

All: 0.003+/-0.004 χ^2/NDF: 71.8/48

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.412+/-0.006 χ^2/NDF:545780.1/7

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.266+/-0.007 χ^2/NDF:616529.3/5

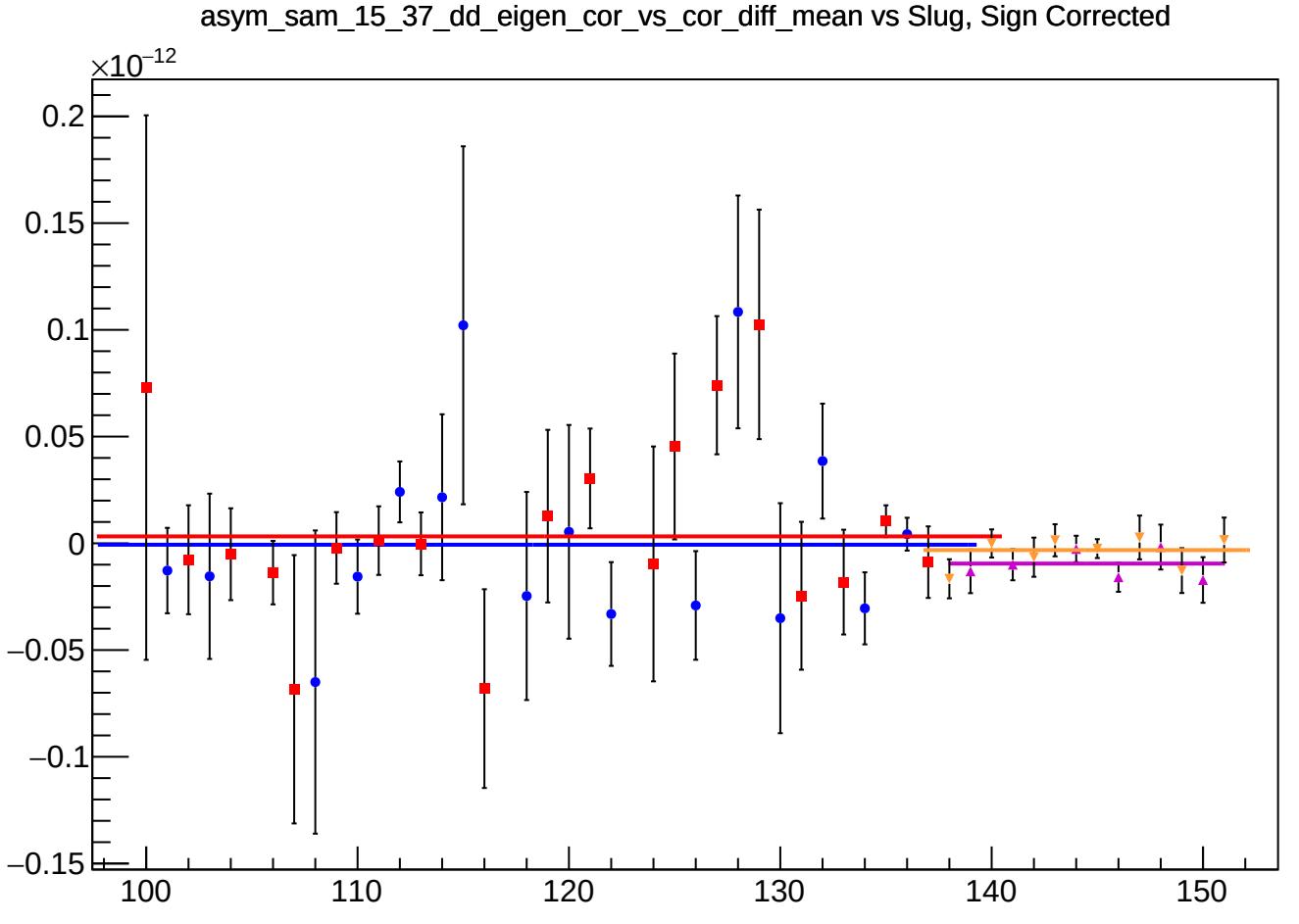
Left: 20.862+/-0.005 χ^2/NDF: 1177337.0/13

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.563+/-0.004 χ^2/NDF:1710106.8/21

Out: 20.048+/-0.004 χ^2/NDF:1869776.2/26

All: 19.284+/-0.003 χ^2/NDF: 3644692.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/5

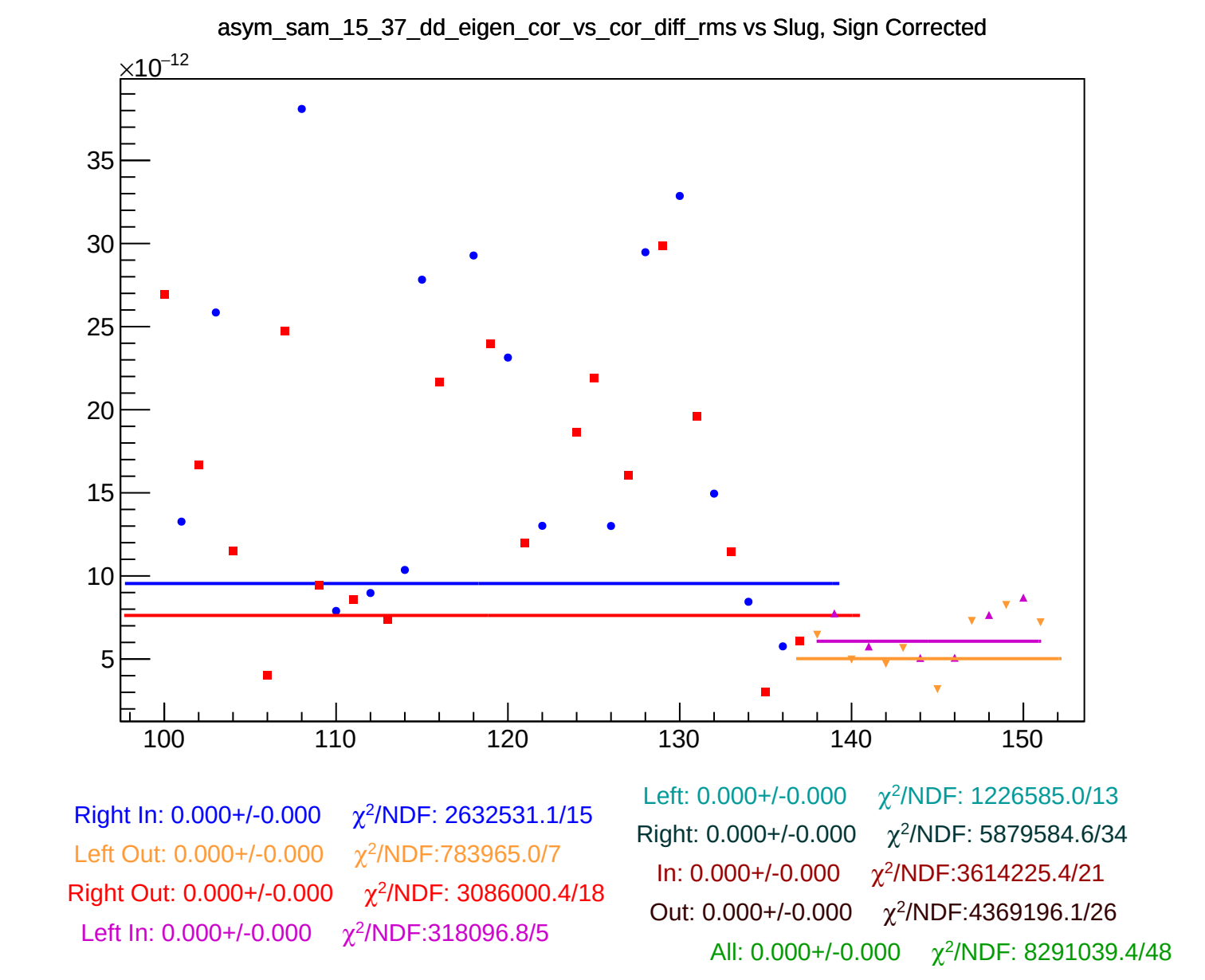
Left: -0.000+/-0.000 χ^2/NDF: 9.8/13

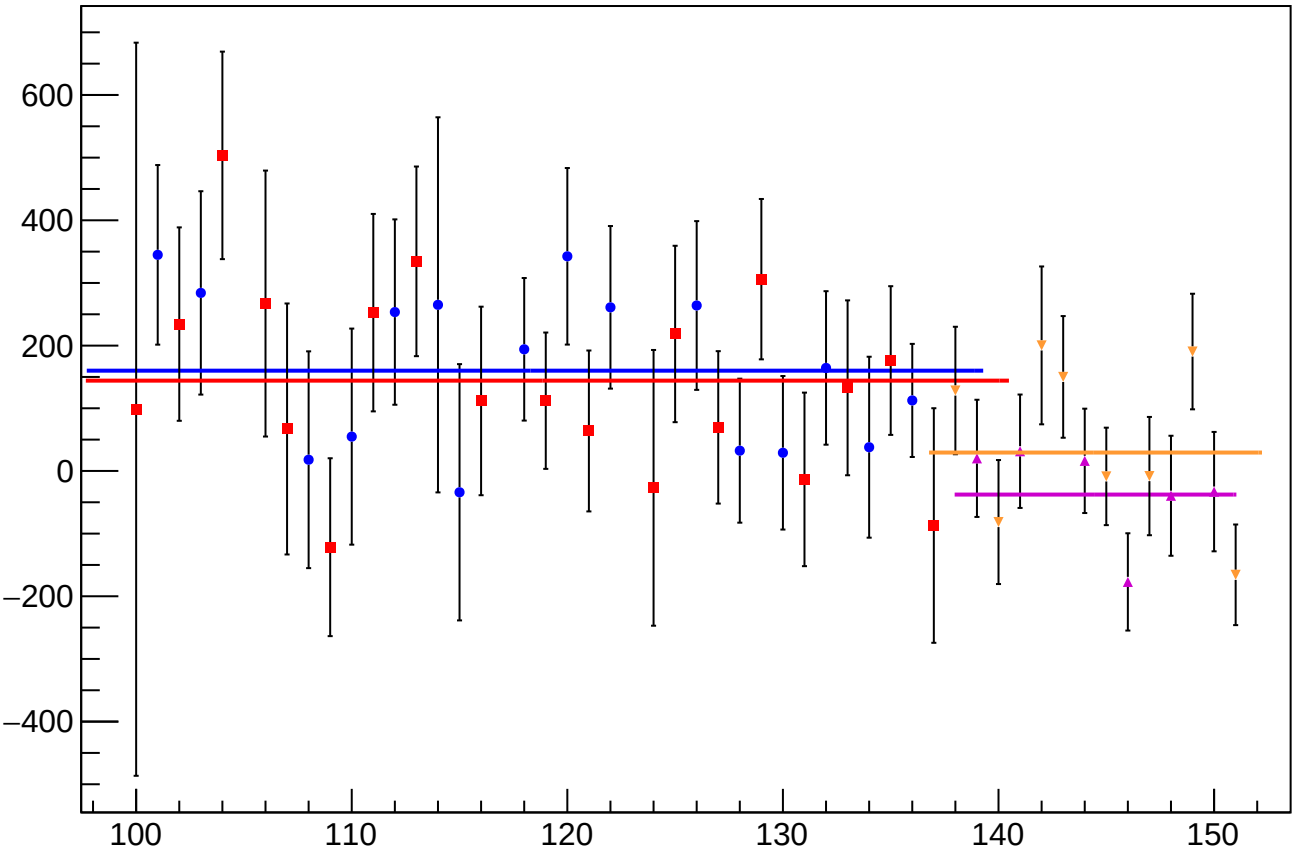
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/21

Out: -0.000+/-0.000 χ^2/NDF:25.0/26

All: -0.000+/-0.000 χ^2/NDF: 53.0/48


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
150
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:783965.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:318096.8/5
Left: 0.000+/-0.000 χ²/NDF: 1226585.0/13
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:3614225.4/21
Out: 0.000+/-0.000 χ²/NDF:4369196.1/26
All: 0.000+/-0.000 χ²/NDF: 8291039.4/48



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 29.356+/-33.002 χ^2/NDF:14.9/7

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -37.705+/-36.134 χ^2/NDF:4.6/5

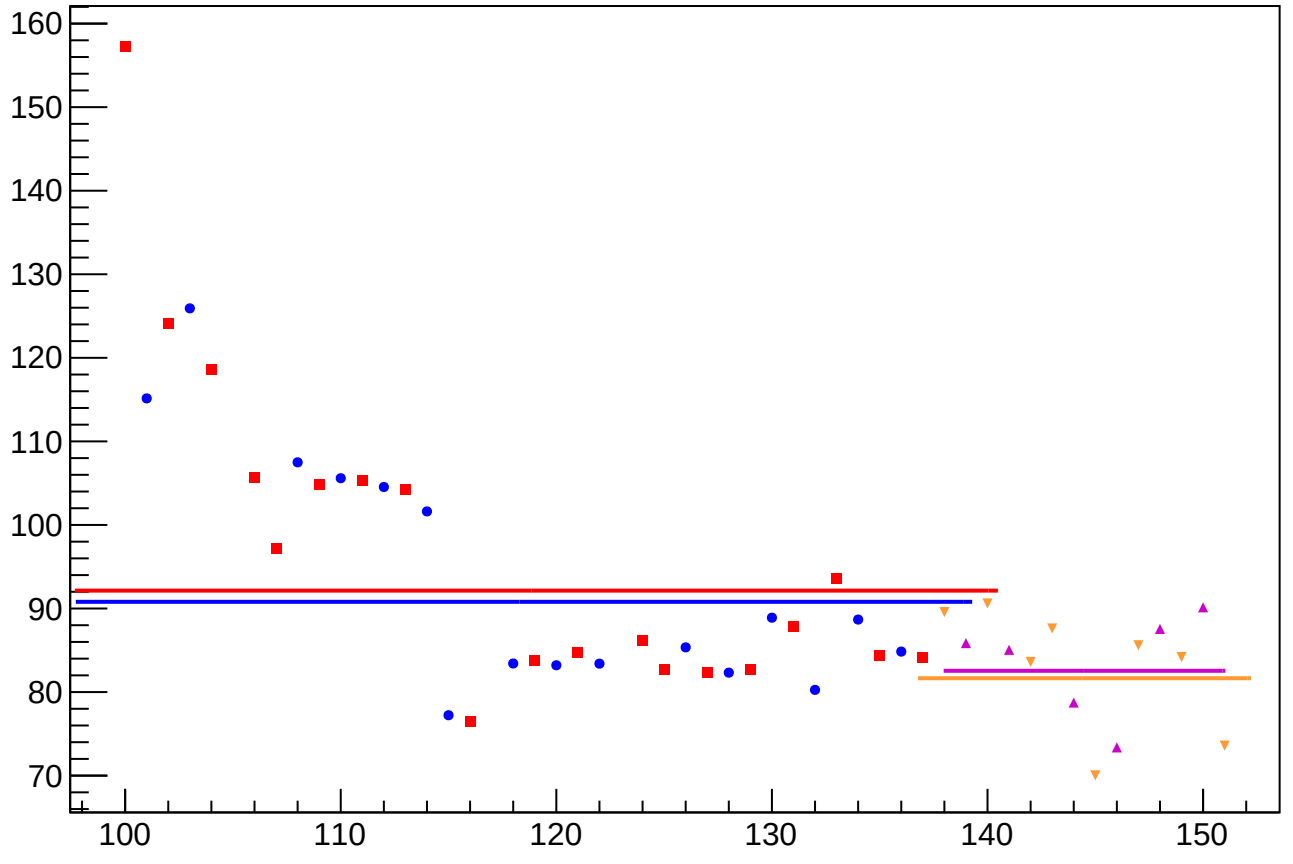
Left: -1.143+/-24.368 χ^2/NDF: 21.4/13

Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 66.679+/-24.827 χ^2/NDF:31.5/21

Out: 84.670+/-23.753 χ^2/NDF:38.2/26

All: 76.072+/-17.163 χ^2/NDF: 69.9/48



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 82.546+/-0.026 χ^2/NDF:54309.9/5

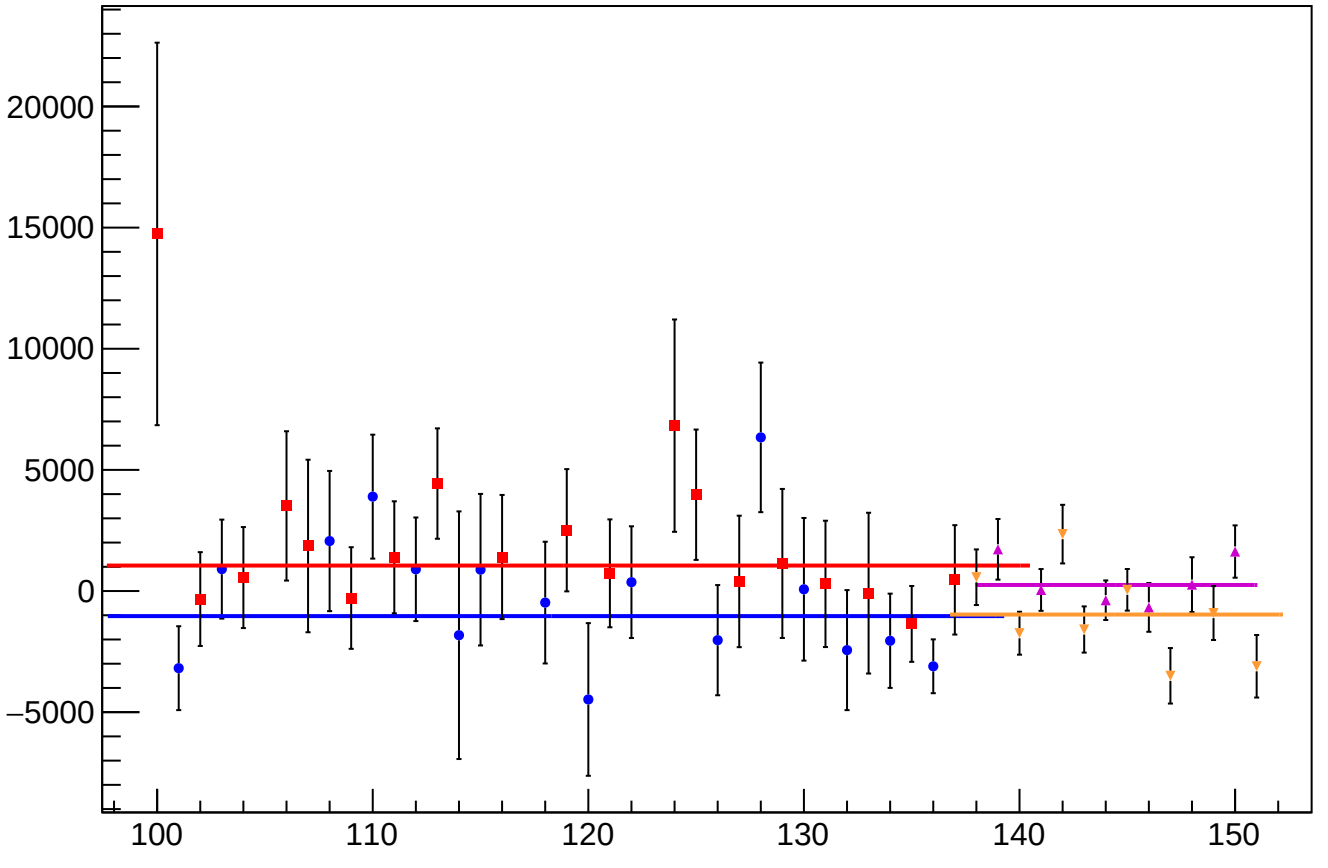
Left: 82.062+/-0.017 χ^2/NDF: 161293.6/13

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 86.905+/-0.018 χ^2/NDF:382179.0/21

Out: 86.711+/-0.017 χ^2/NDF:505629.2/26

All: 86.803+/-0.012 χ^2/NDF: 887871.8/48



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -970.664+/-369.101 χ^2/NDF:19.5/7

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 249.905+/-404.505 χ^2/NDF:4.5/5

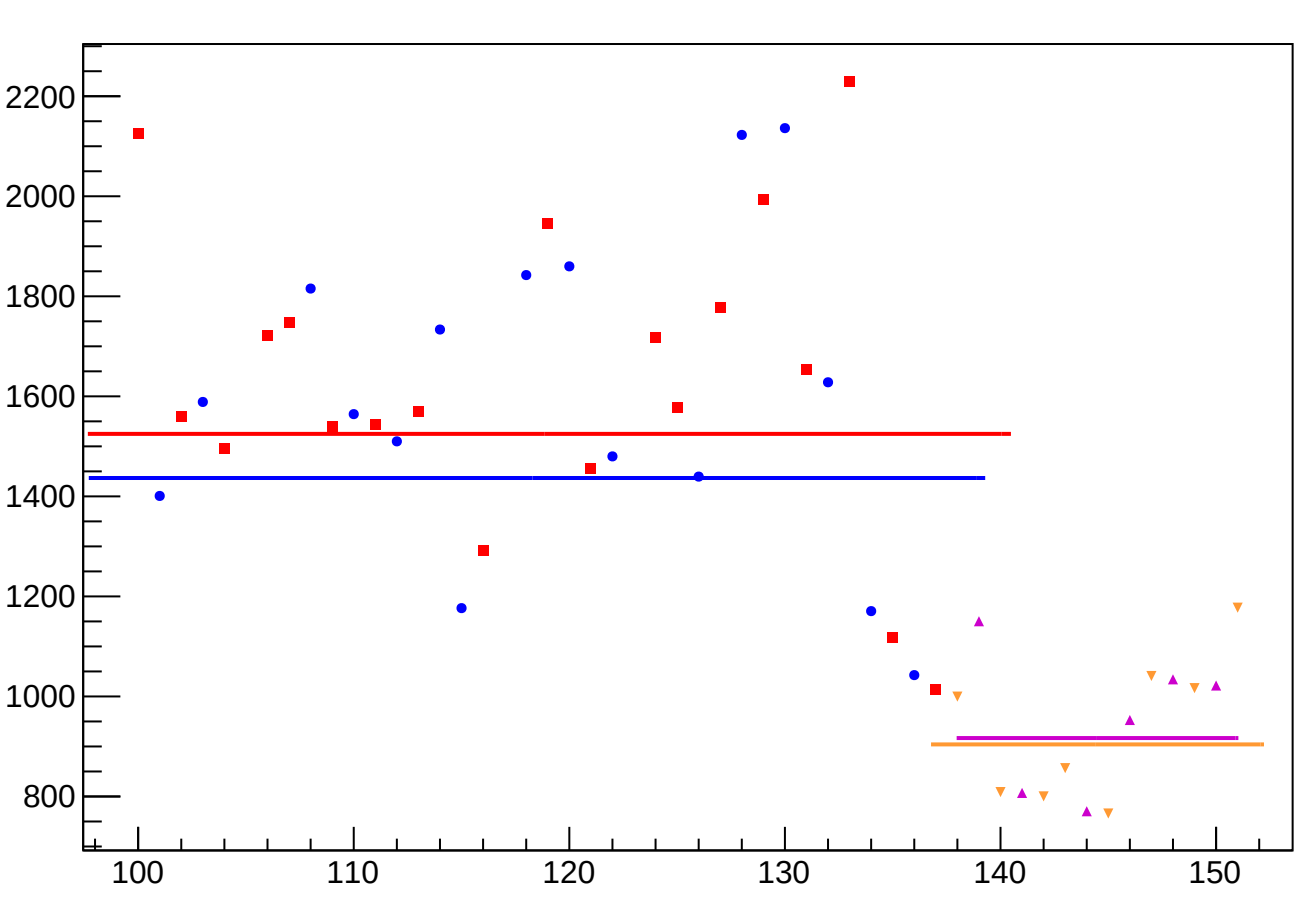
Left: -416.122+/-272.653 χ^2/NDF: 29.0/13

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -200.928+/-325.906 χ^2/NDF:28.3/21

Out: -371.666+/-309.646 χ^2/NDF:41.3/26

All: -290.662+/-224.481 χ^2/NDF: 69.7/48



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 904.116+/-0.261 χ^2/NDF:247046.7/7

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 916.822+/-0.286 χ^2/NDF:209344.7/5

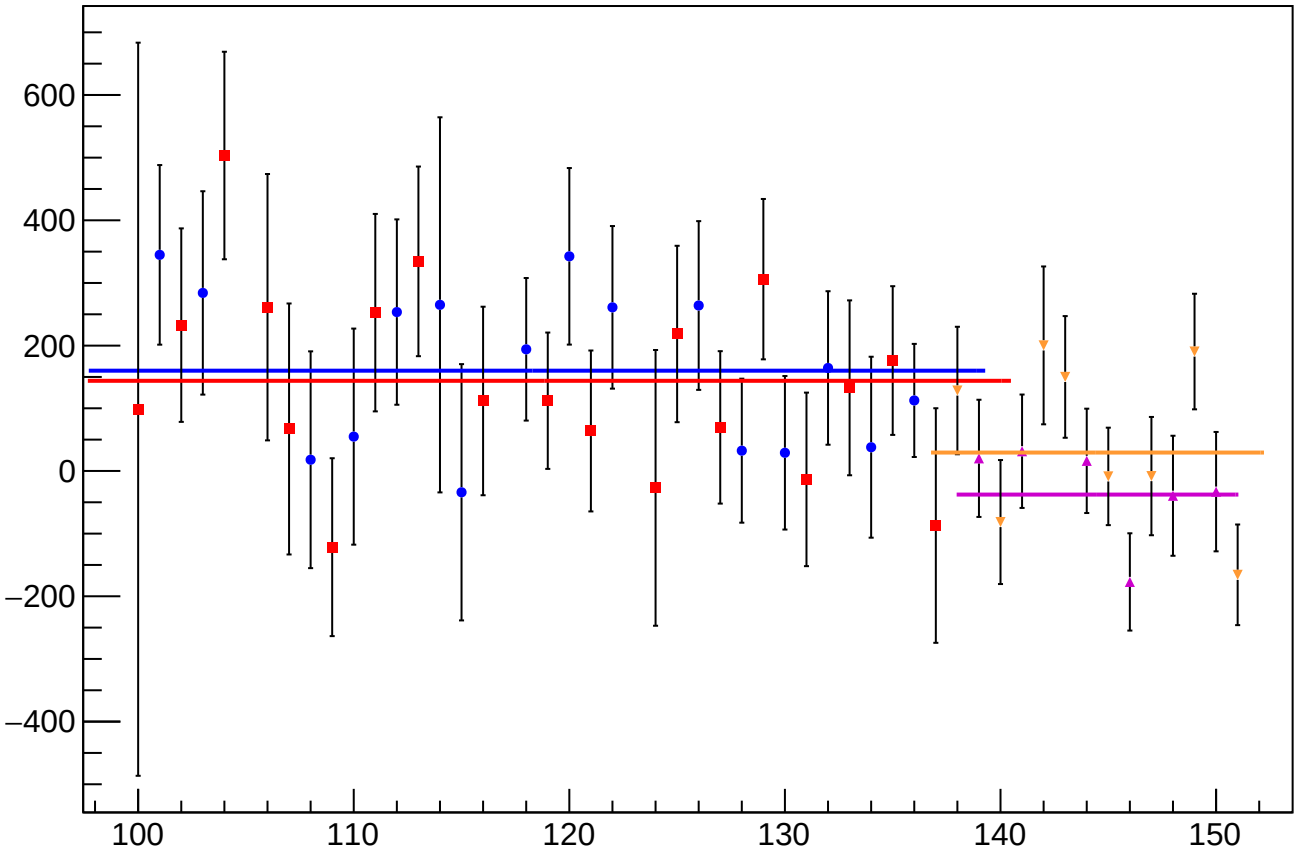
Left: 909.889+/-0.193 χ^2/NDF: 457468.2/13

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1099.238+/-0.230 χ^2/NDF:2044264.2/21

Out: 1088.017+/-0.219 χ^2/NDF:2427729.3/26

All: 1093.341+/-0.159 χ^2/NDF: 4473239.6/48



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 29.358+/-33.002 χ^2/NDF:14.9/7

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -37.703+/-36.134 χ^2/NDF:4.6/5

Left: -1.141+/-24.368 χ^2/NDF: 21.4/13

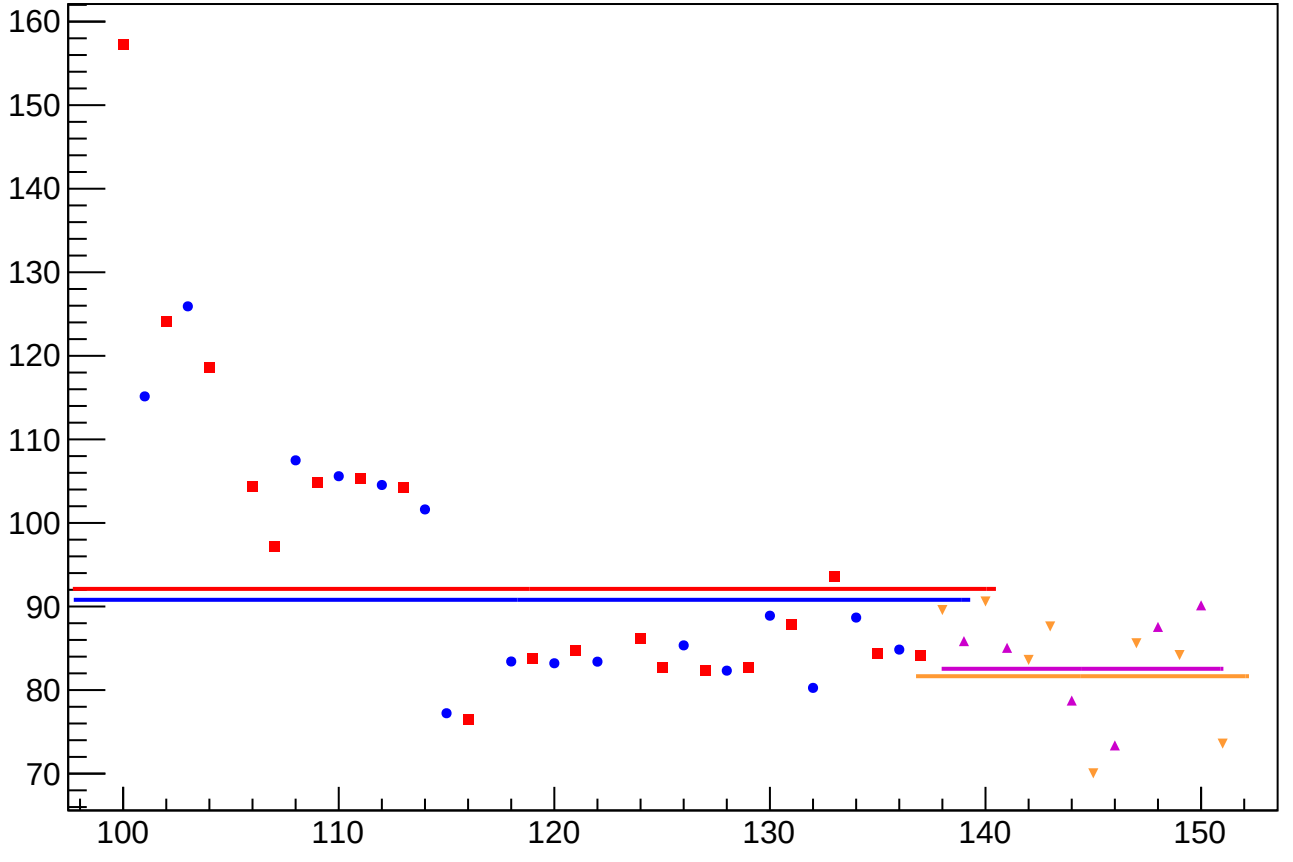
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 66.678+/-24.827 χ^2/NDF:31.5/21

Out: 84.544+/-23.754 χ^2/NDF:38.1/26

All: 76.006+/-17.163 χ^2/NDF: 69.8/48

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 82.546+/-0.026 χ^2/NDF:54309.9/5

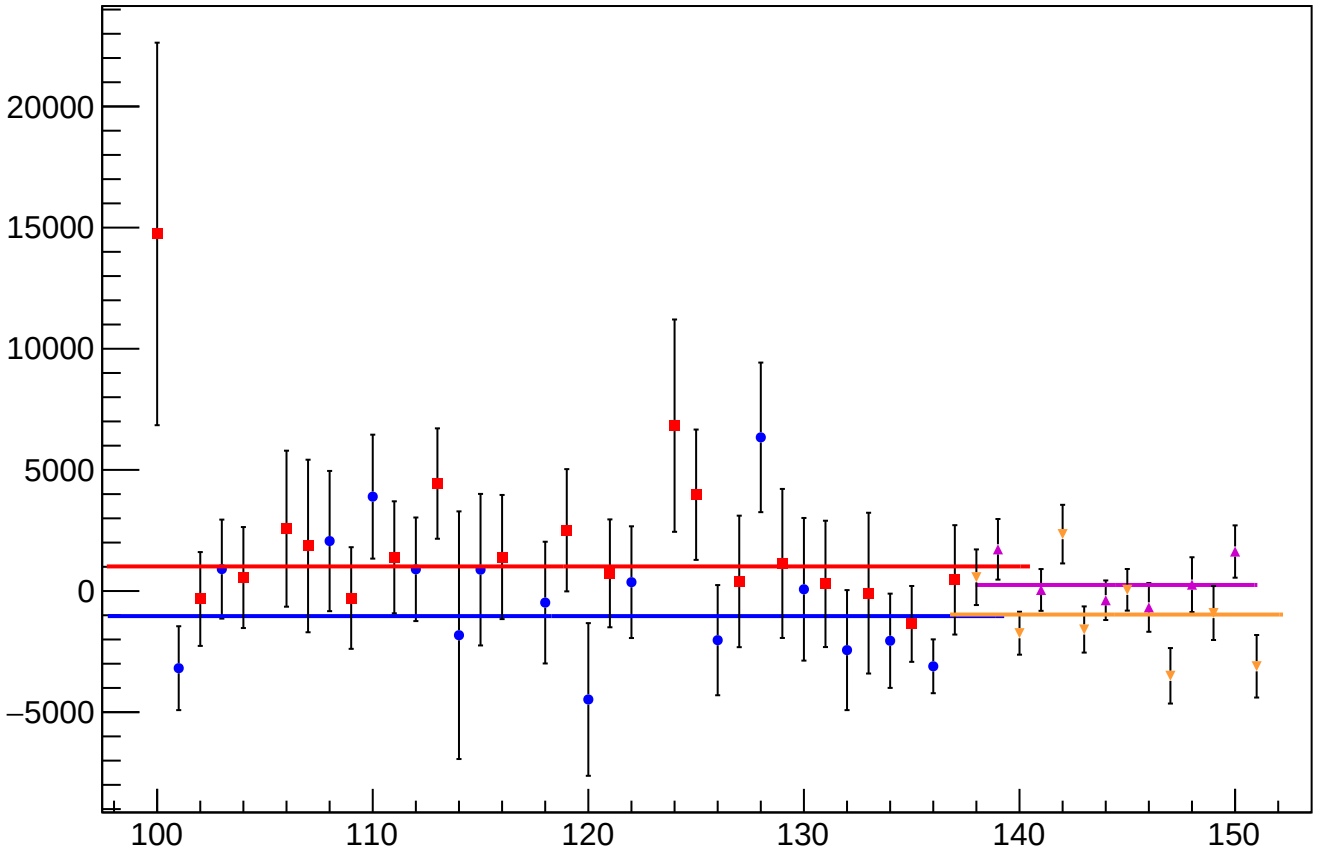
Left: 82.062+/-0.017 χ^2/NDF: 161293.6/13

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.905+/-0.018 χ^2/NDF:382180.9/21

Out: 86.694+/-0.017 χ^2/NDF:503745.7/26

All: 86.795+/-0.012 χ^2/NDF: 886001.3/48



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -970.657+/-369.101 χ^2/NDF:19.5/7

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 249.913+/-404.505 χ^2/NDF:4.5/5

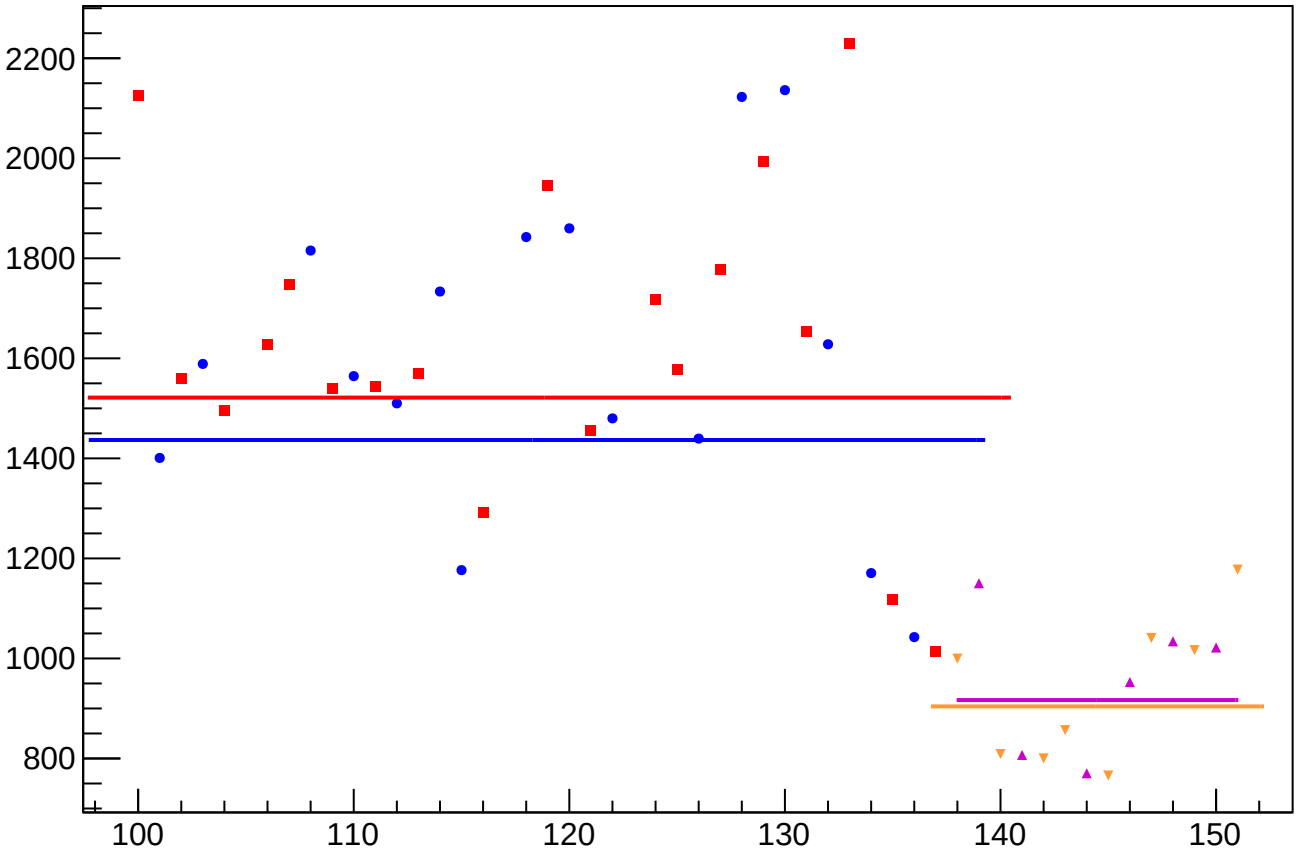
Left: -416.115+/-272.653 χ^2/NDF: 29.0/13

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -200.913+/-325.907 χ^2/NDF:28.3/21

Out: -383.581+/-309.781 χ^2/NDF:40.6/26

All: -296.878+/-224.533 χ^2/NDF: 69.0/48



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 904.115+/-0.261 χ^2/NDF:247047.2/7

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 916.822+/-0.286 χ^2/NDF:209345.2/5

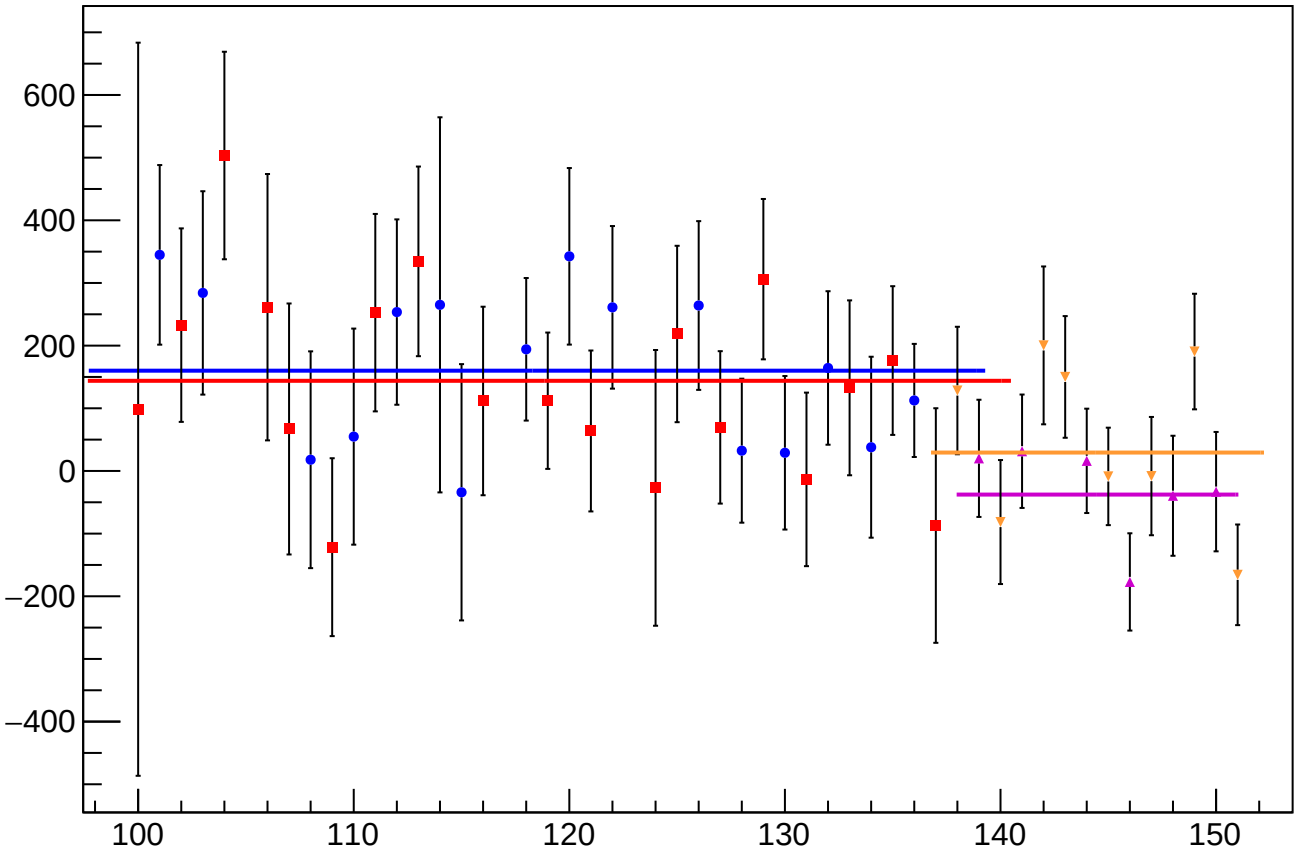
Left: 909.888+/-0.193 χ^2/NDF: 457469.4/13

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1099.239+/-0.230 χ^2/NDF:2044283.9/21

Out: 1086.613+/-0.219 χ^2/NDF:2399474.3/26

All: 1092.606+/-0.159 χ^2/NDF: 4445335.2/48



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 29.358+/-33.002 χ^2/NDF:14.9/7

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -37.703+/-36.134 χ^2/NDF:4.6/5

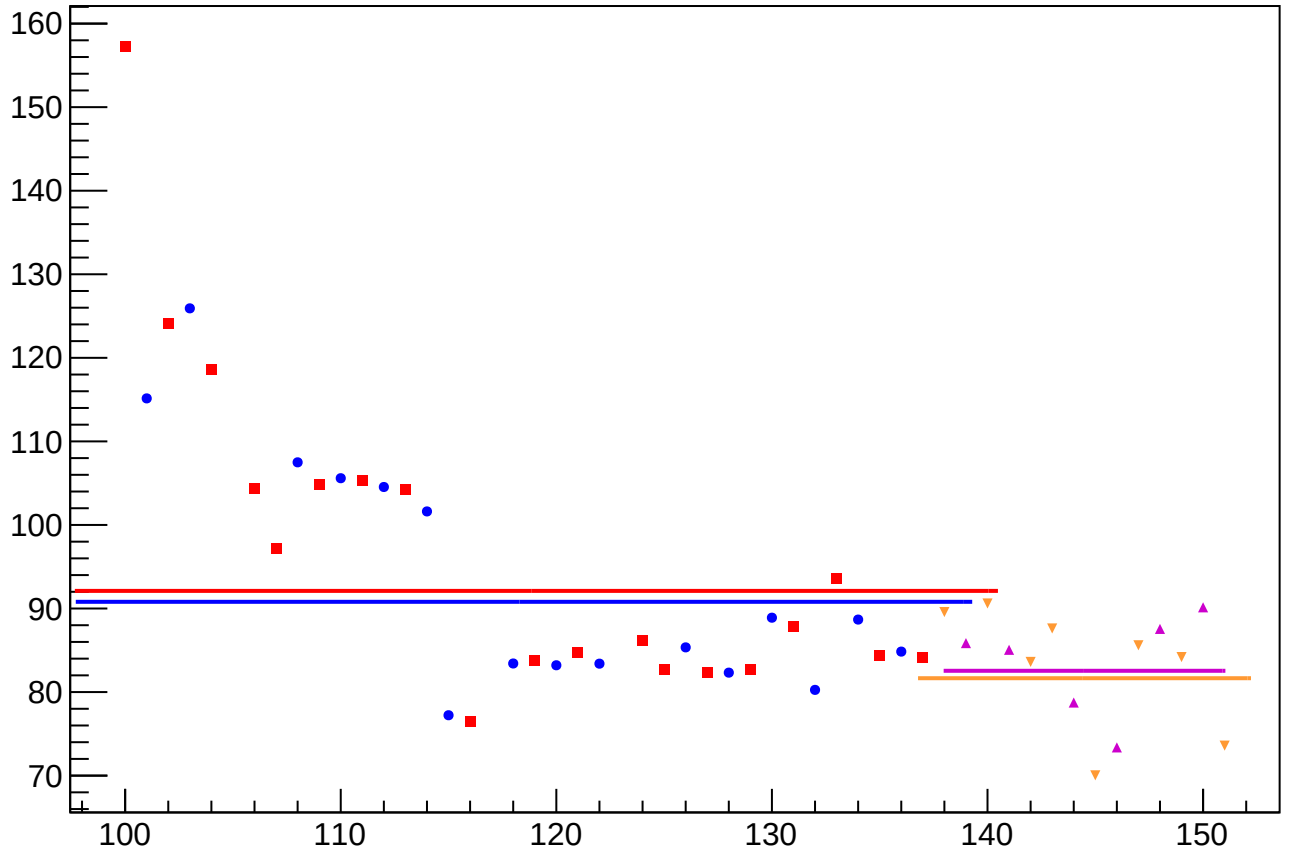
Left: -1.141+/-24.368 χ^2/NDF: 21.4/13

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 66.678+/-24.827 χ^2/NDF:31.5/21

Out: 84.544+/-23.754 χ^2/NDF:38.1/26

All: 76.006+/-17.163 χ^2/NDF: 69.8/48



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 82.546+/-0.026 χ^2/NDF:54309.9/5

Left: 82.062+/-0.017 χ^2/NDF: 161293.6/13

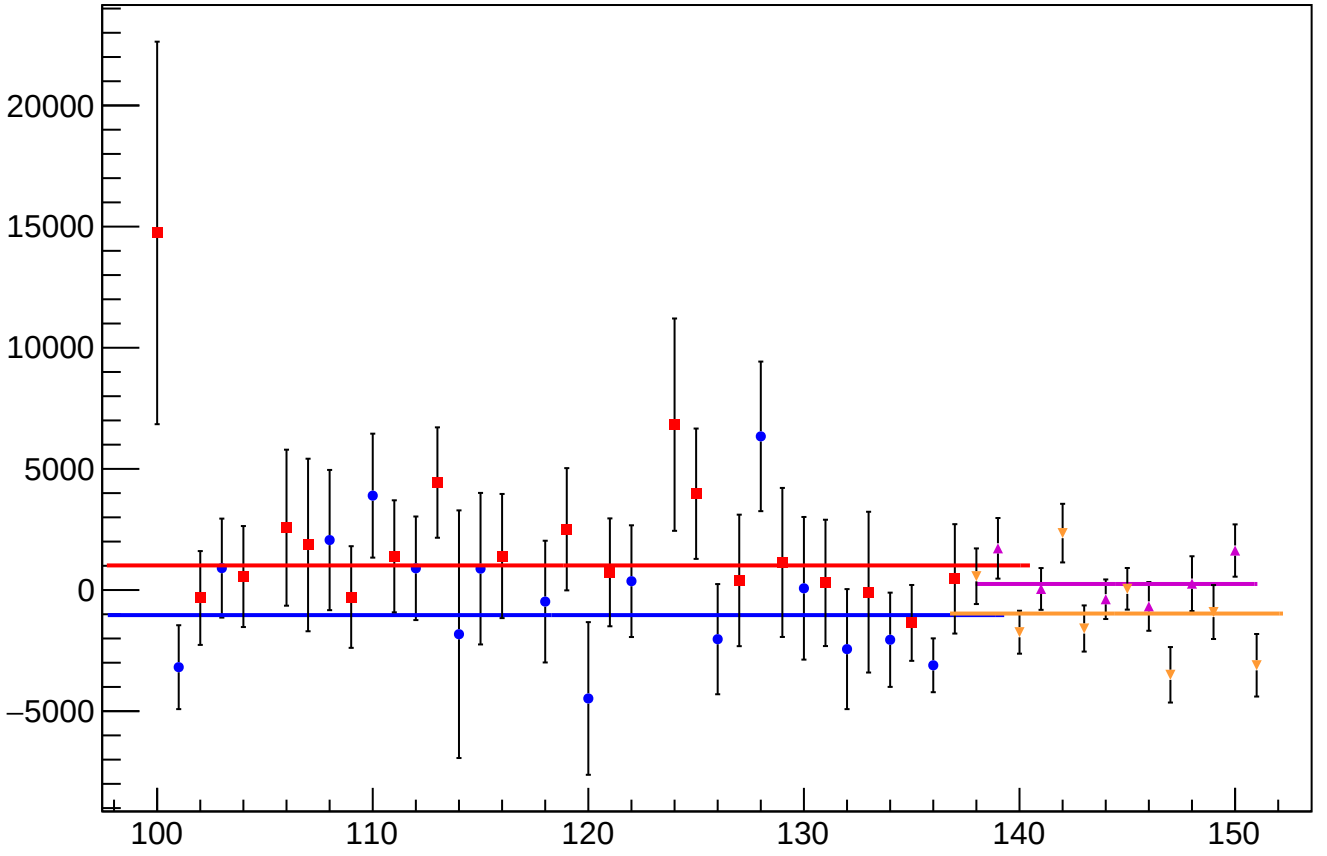
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.905+/-0.018 χ^2/NDF:382180.9/21

Out: 86.694+/-0.017 χ^2/NDF:503745.7/26

All: 86.795+/-0.012 χ^2/NDF: 886001.3/48

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -970.657+/-369.101 χ^2/NDF:19.5/7

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 249.913+/-404.505 χ^2/NDF:4.5/5

Left: -416.115+/-272.653 χ^2/NDF: 29.0/13

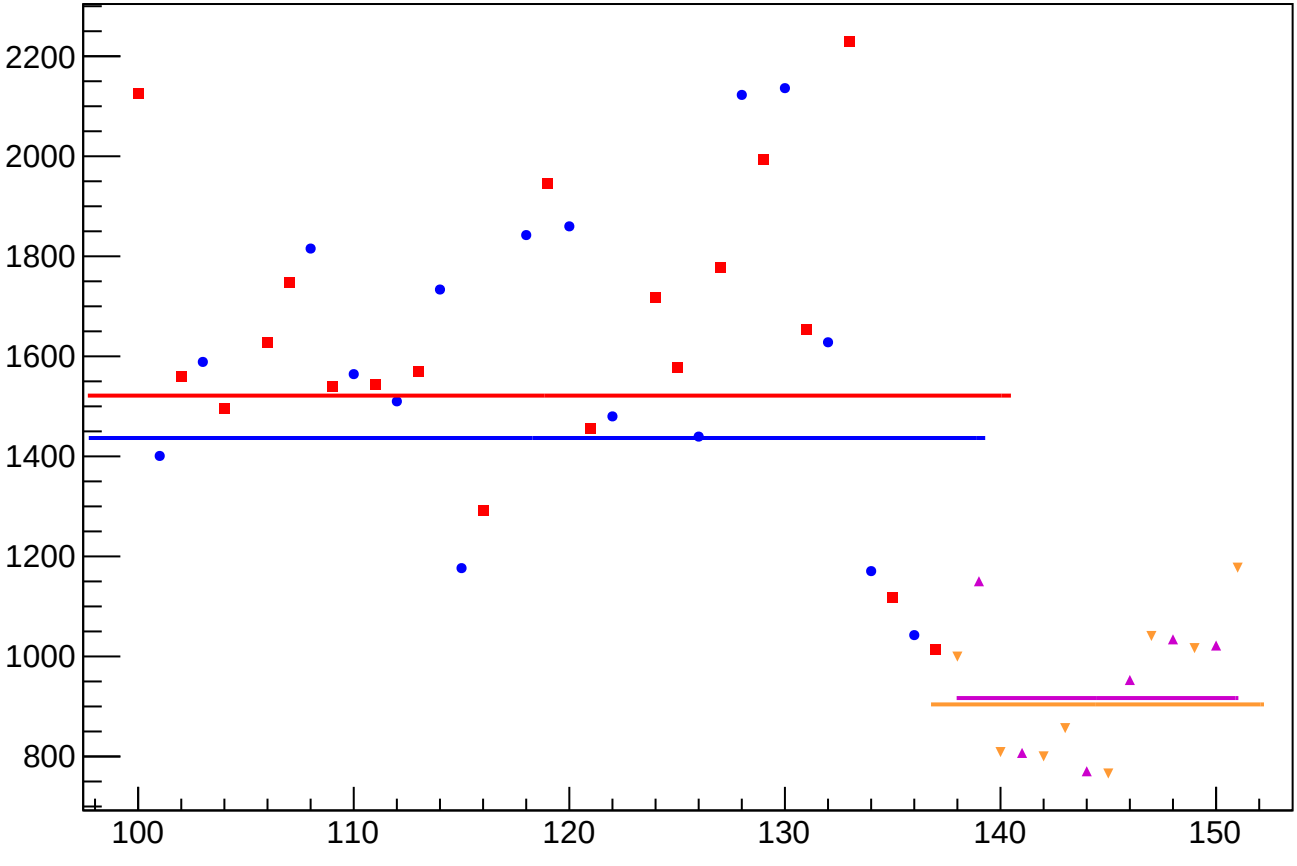
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -200.913+/-325.907 χ^2/NDF:28.3/21

Out: -383.581+/-309.781 χ^2/NDF:40.6/26

All: -296.878+/-224.533 χ^2/NDF: 69.0/48

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 904.115+/-0.261 χ^2/NDF:247047.2/7

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 916.822+/-0.286 χ^2/NDF:209345.2/5

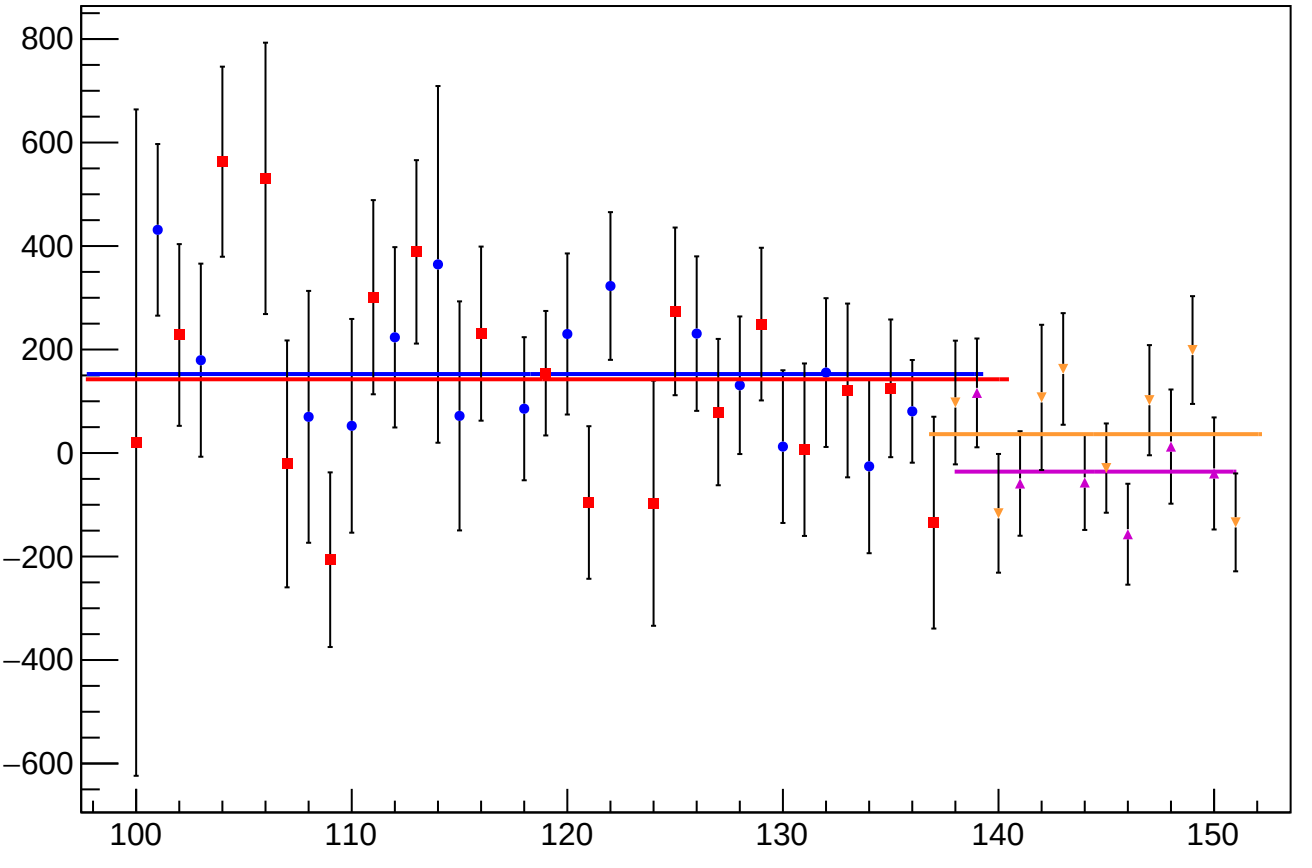
Left: 909.888+/-0.193 χ^2/NDF: 457469.4/13

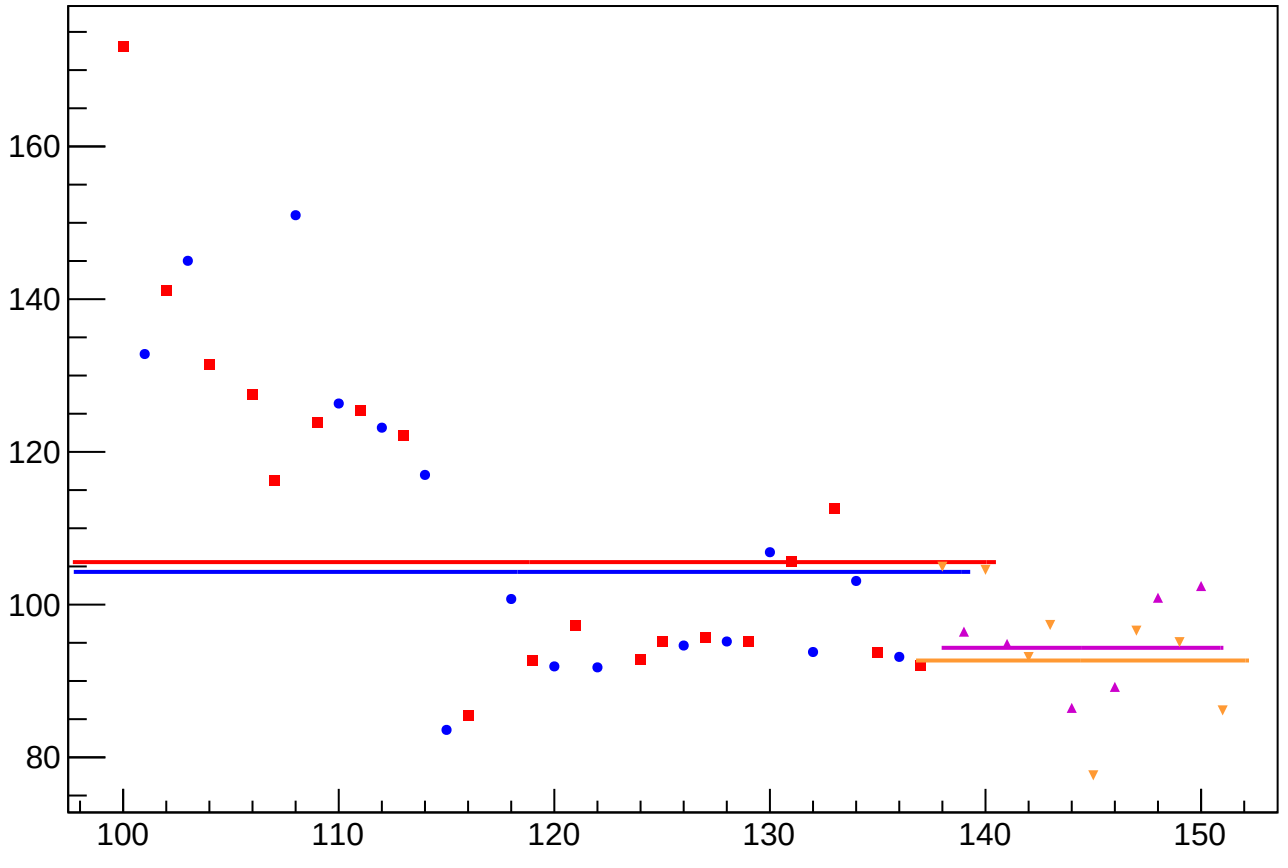
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1099.239+/-0.230 χ^2/NDF:2044283.9/21

Out: 1086.613+/-0.219 χ^2/NDF:2399474.3/26

All: 1092.606+/-0.159 χ^2/NDF: 4445335.2/48


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: 36.456+/-37.545 χ²/NDF:10.3/7
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -35.972+/-41.530 χ²/NDF:3.9/5
Left: 3.883+/-27.851 χ²/NDF: 15.9/13
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 63.176+/-28.601 χ²/NDF:23.4/21
Out: 87.002+/-27.161 χ²/NDF:37.0/26
All: 75.704+/-19.695 χ²/NDF: 60.8/48



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 92.682+/-0.027 χ^2/NDF:120381.4/7

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 94.344+/-0.029 χ^2/NDF:39299.2/5

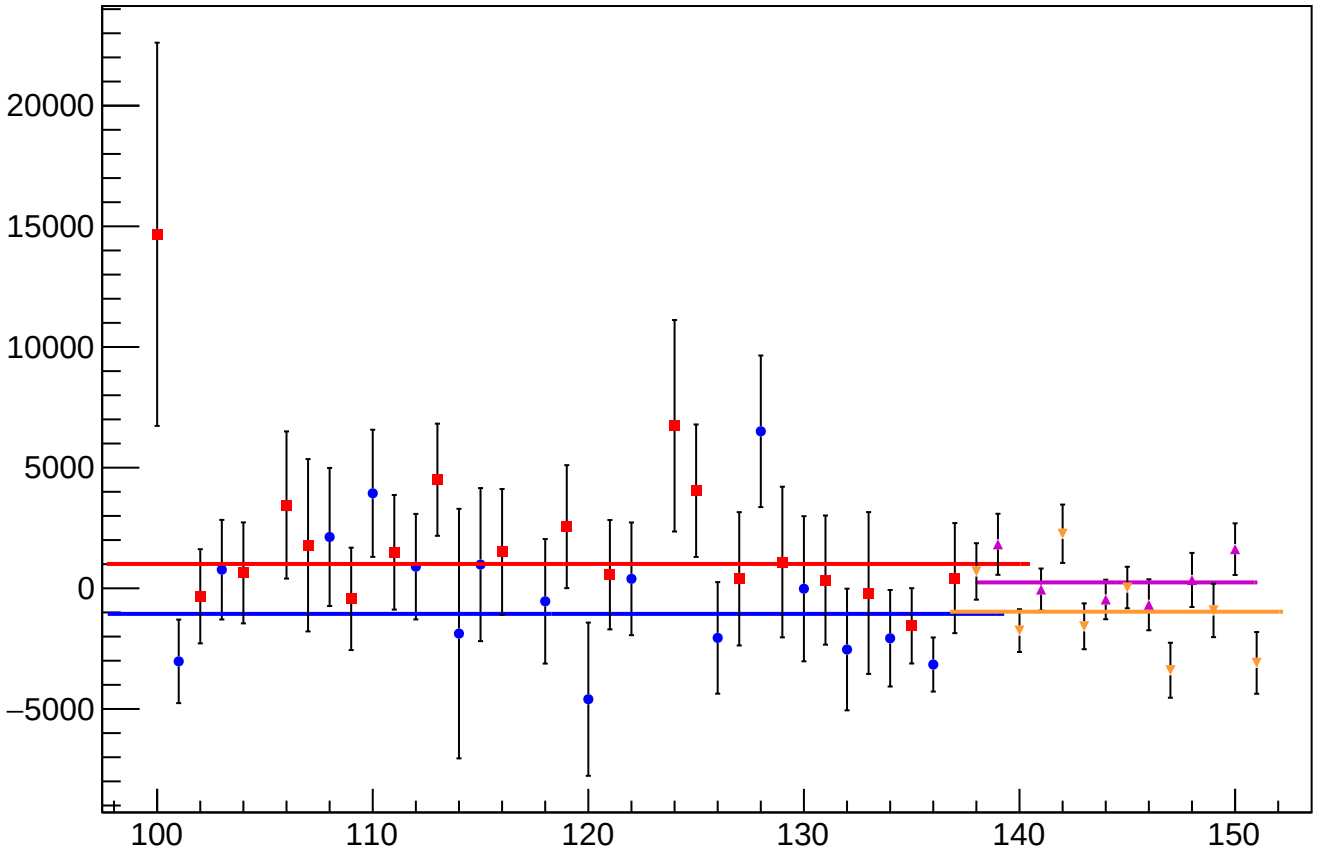
Left: 93.429+/-0.020 χ^2/NDF: 161442.3/13

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 99.571+/-0.020 χ^2/NDF:477873.7/21

Out: 98.824+/-0.019 χ^2/NDF:577287.2/26

All: 99.178+/-0.014 χ^2/NDF: 1055876.7/48



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -969.635+/-369.066 χ^2/NDF:19.0/7

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 244.782+/-408.296 χ^2/NDF:4.9/5

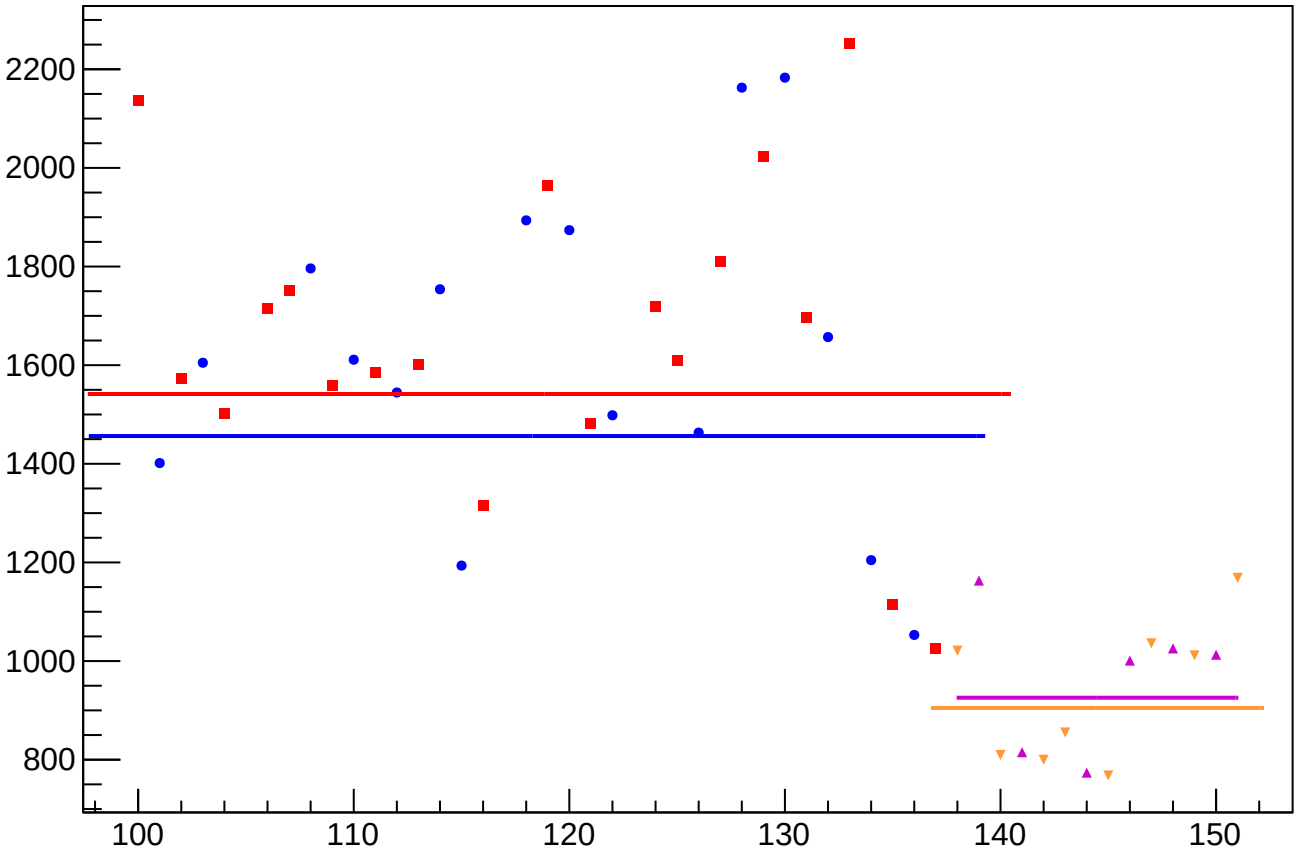
Left: -423.558+/-273.790 χ^2/NDF: 28.7/13

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -210.356+/-329.433 χ^2/NDF:28.5/21

Out: -392.202+/-310.608 χ^2/NDF:40.7/26

All: -306.623+/-225.995 χ^2/NDF: 69.3/48



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 904.961+/-0.261 χ^2/NDF:243993.7/7

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 925.699+/-0.289 χ^2/NDF:210811.8/5

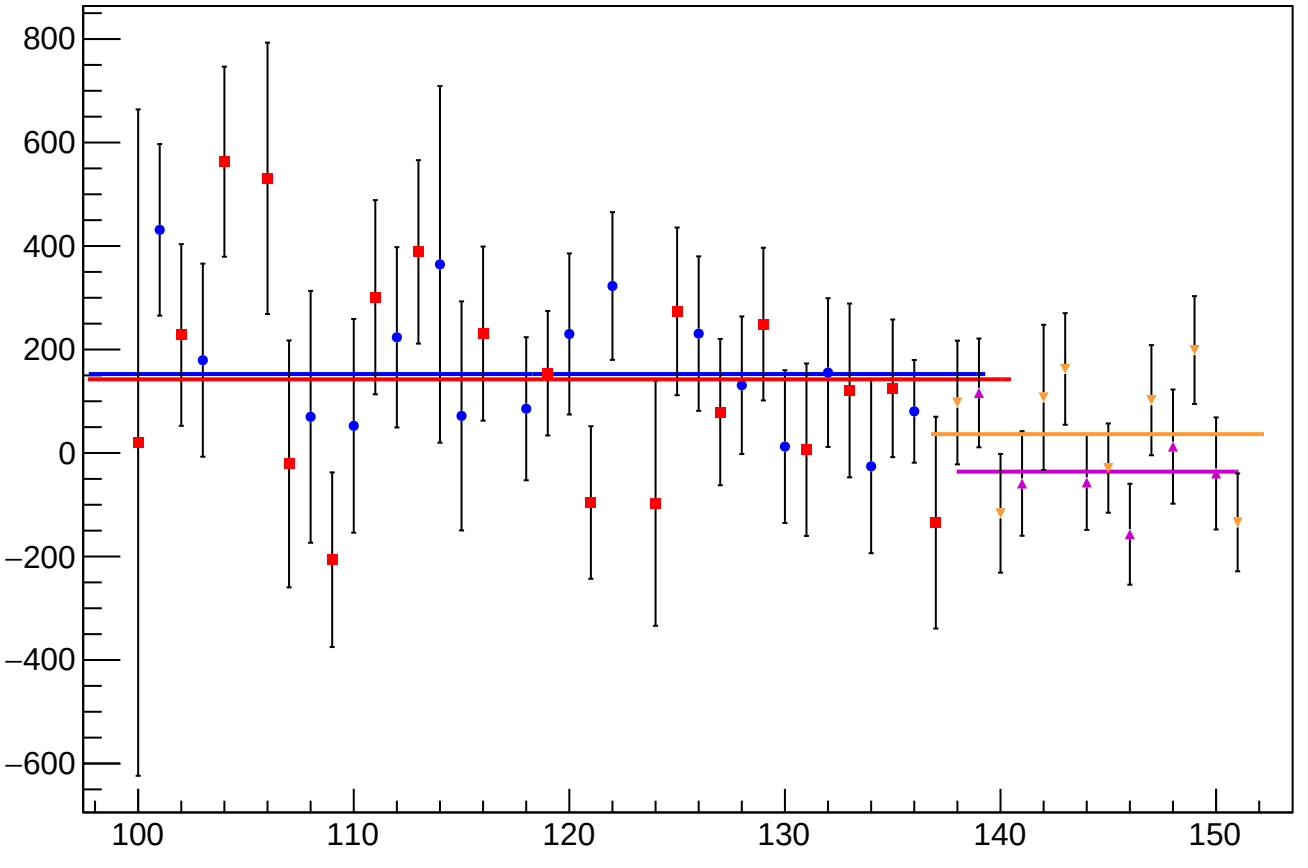
Left: 914.286+/-0.194 χ^2/NDF: 457645.2/13

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1110.878+/-0.233 χ^2/NDF:2074416.0/21

Out: 1090.646+/-0.220 χ^2/NDF:2498896.3/26

All: 1100.167+/-0.160 χ^2/NDF: 4577305.5/48



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 36.455+/-37.545 χ^2/NDF:10.3/7

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -35.971+/-41.529 χ^2/NDF:3.9/5

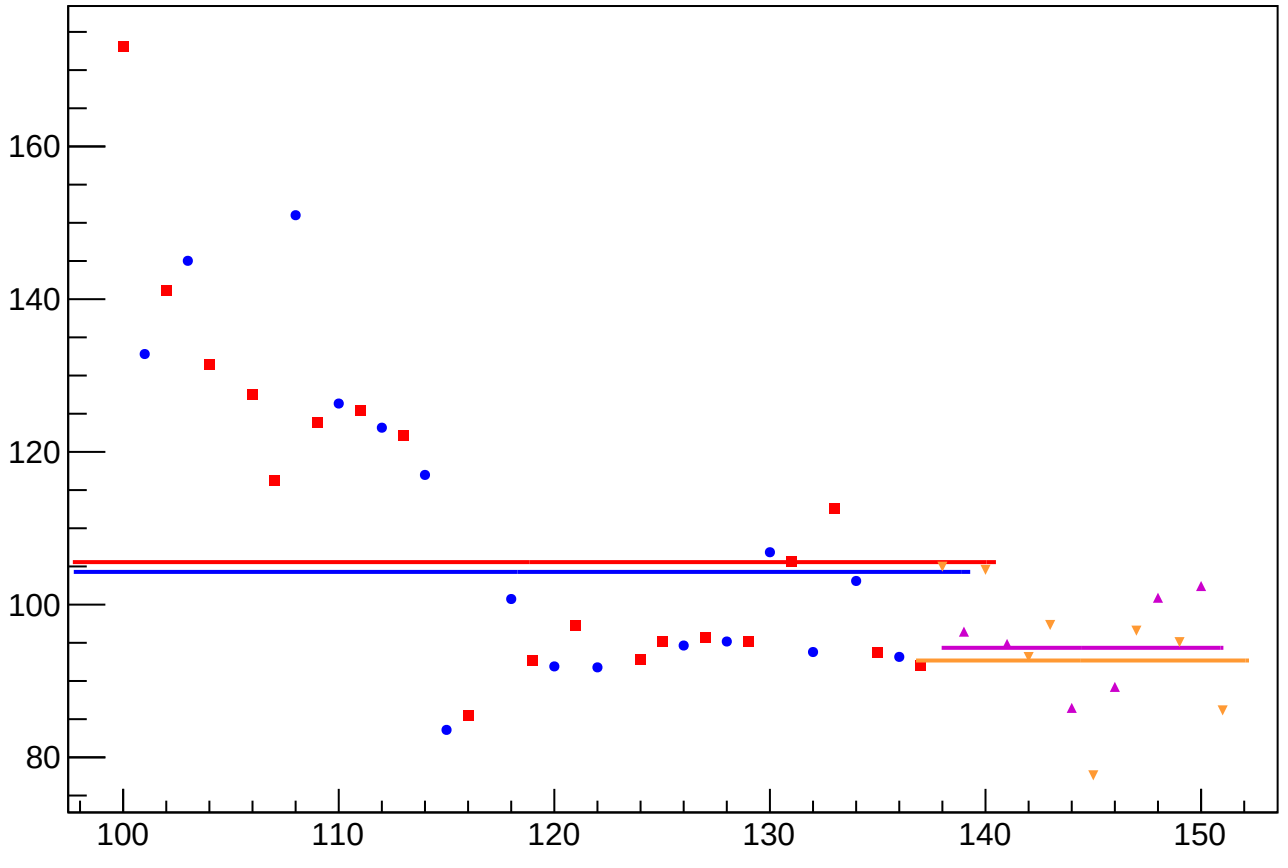
Left: 3.882+/-27.851 χ^2/NDF: 15.9/13

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 63.178+/-28.601 χ^2/NDF:23.4/21

Out: 87.000+/-27.161 χ^2/NDF:37.0/26

All: 75.704+/-19.695 χ^2/NDF: 60.8/48



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 92.682+/-0.027 χ^2/NDF:120379.6/7

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 94.344+/-0.029 χ^2/NDF:39299.6/5

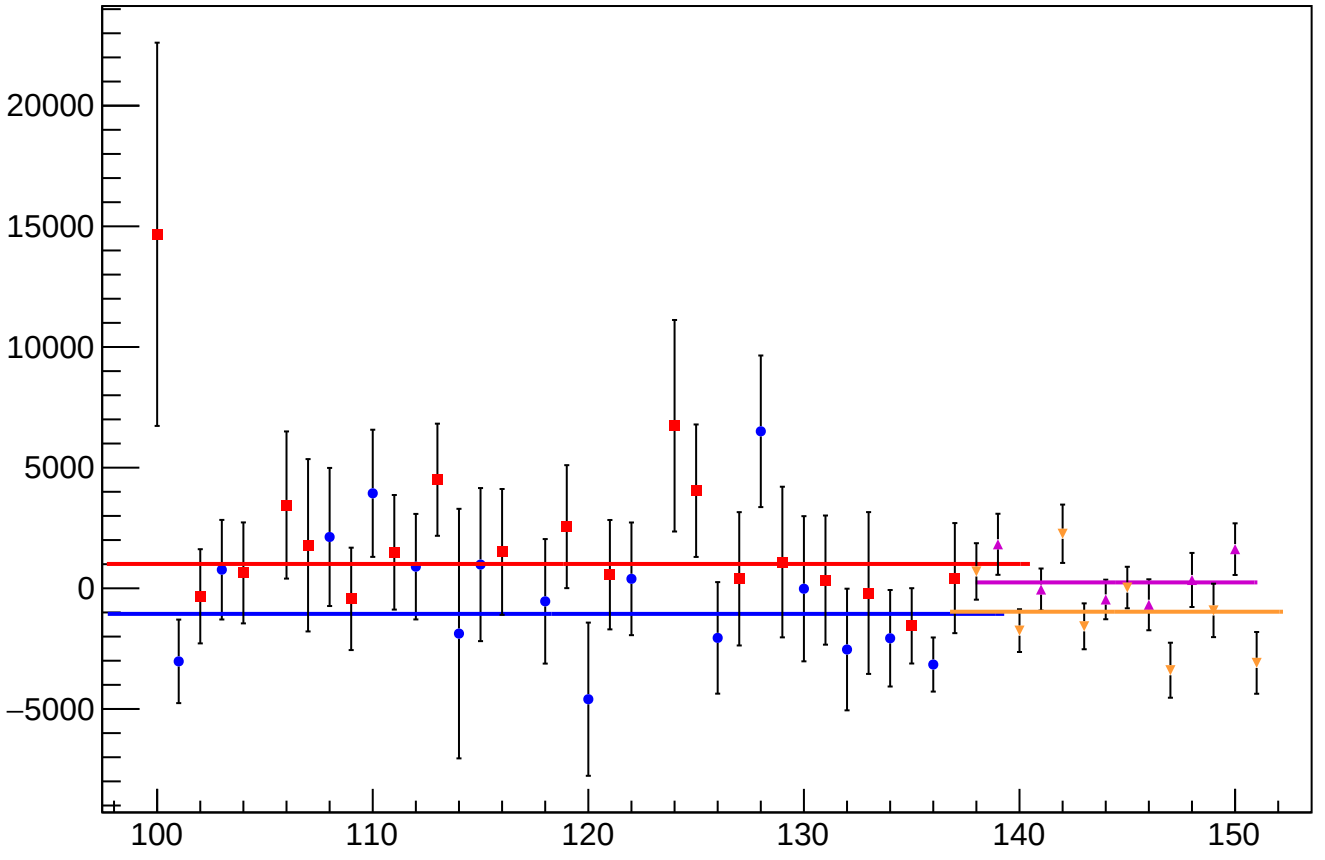
Left: 93.429+/-0.020 χ^2/NDF: 161440.6/13

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 99.570+/-0.020 χ^2/NDF:477866.0/21

Out: 98.824+/-0.019 χ^2/NDF:577271.8/26

All: 99.178+/-0.014 χ^2/NDF: 1055853.0/48



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -969.636+/-369.065 χ^2/NDF:19.0/7

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 244.783+/-408.296 χ^2/NDF:4.9/5

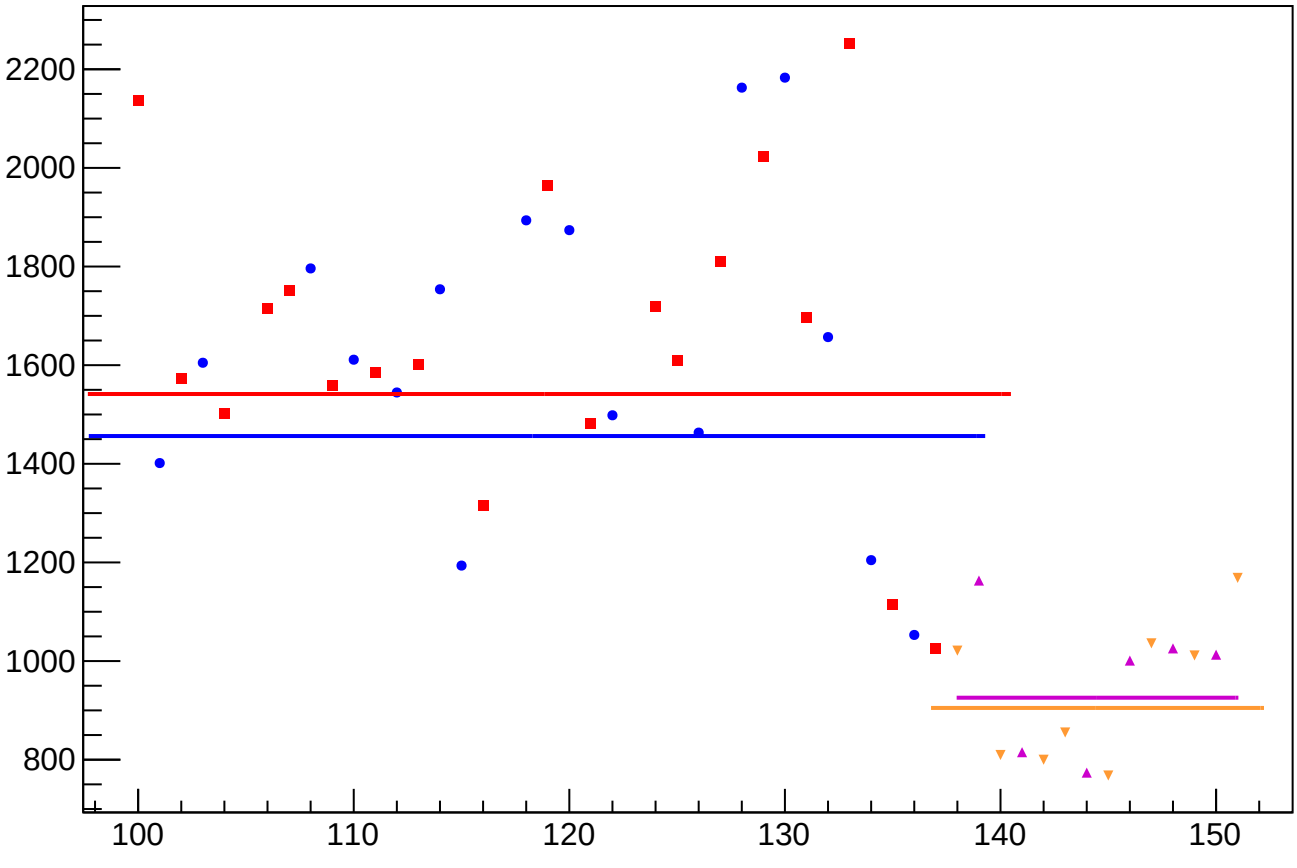
Left: -423.558+/-273.790 χ^2/NDF: 28.7/13

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -210.355+/-329.433 χ^2/NDF:28.5/21

Out: -392.202+/-310.607 χ^2/NDF:40.7/26

All: -306.623+/-225.995 χ^2/NDF: 69.3/48



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 904.960+/-0.261 χ^2/NDF:243994.8/7

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 925.699+/-0.289 χ^2/NDF:210811.7/5

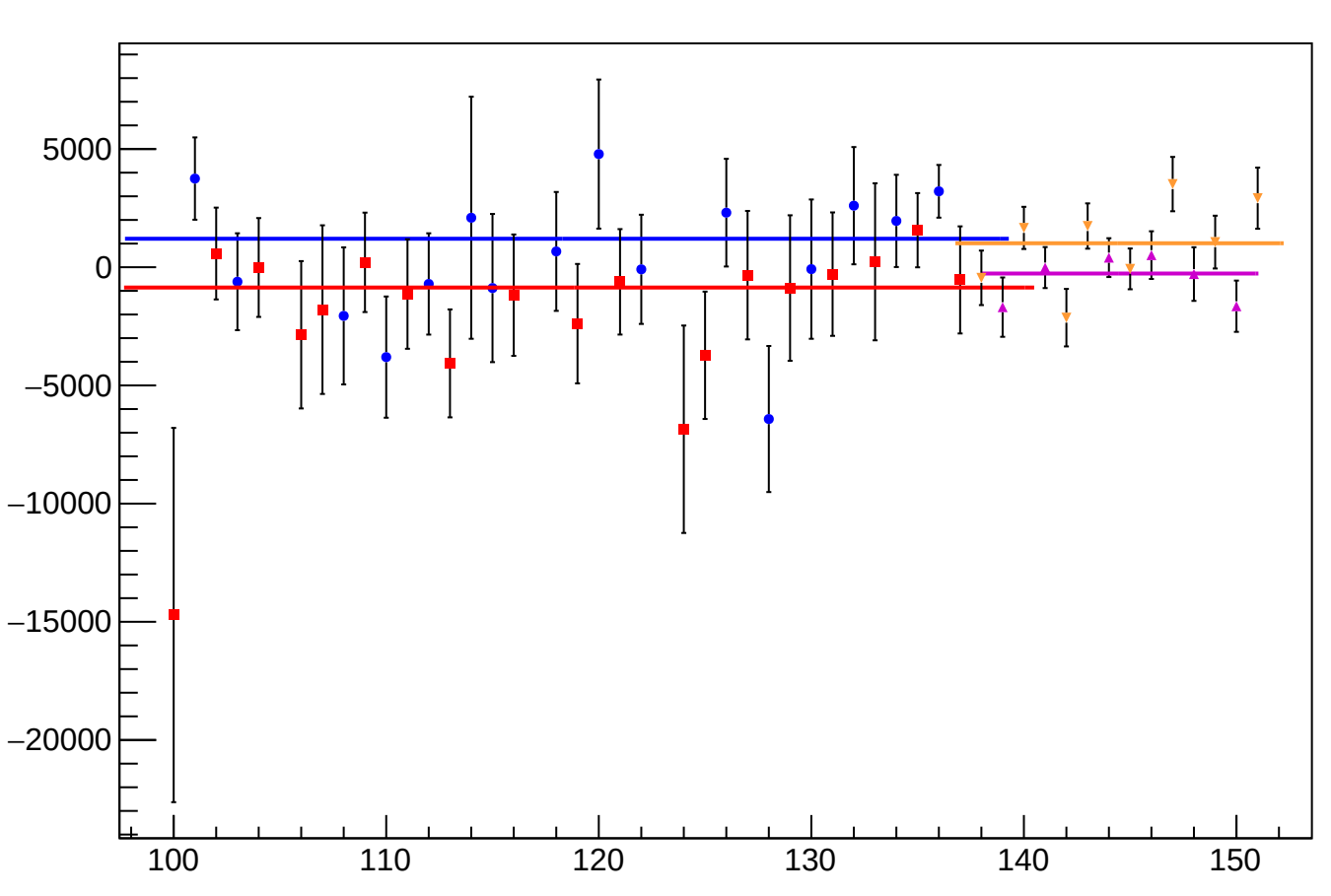
Left: 914.285+/-0.194 χ^2/NDF: 457646.2/13

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1110.877+/-0.233 χ^2/NDF:2074408.6/21

Out: 1090.645+/-0.220 χ^2/NDF:2498893.3/26

All: 1100.166+/-0.160 χ^2/NDF: 4577295.3/48



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1014.252+/-370.801 χ^2/NDF:17.9/7

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -266.593+/-406.287 χ^2/NDF:4.3/5

Left: 432.197+/-273.884 χ^2/NDF: 27.6/13

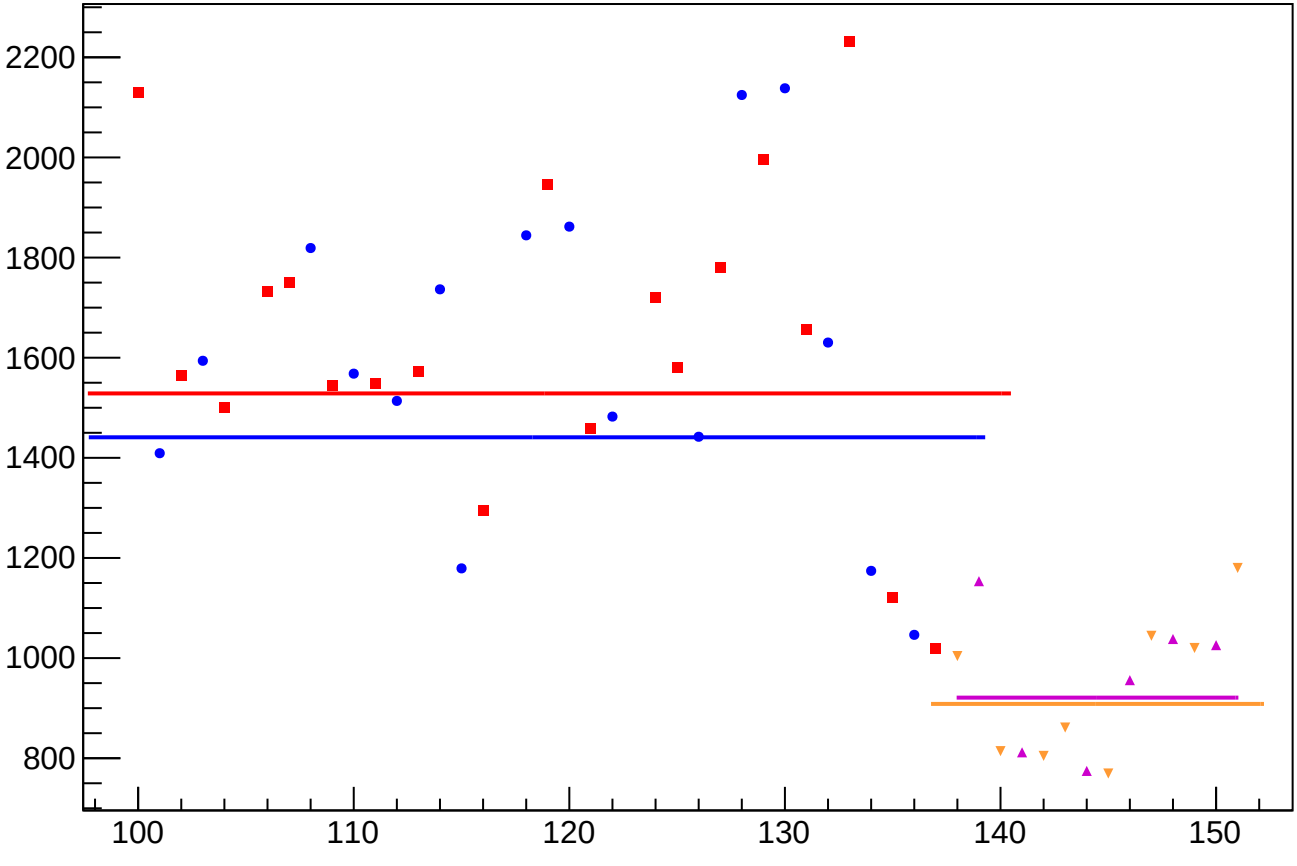
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 250.717+/-327.154 χ^2/NDF:30.0/21

Out: 457.688+/-310.884 χ^2/NDF:38.0/26

All: 359.477+/-225.361 χ^2/NDF: 68.2/48

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 908.488+/-0.262 χ^2/NDF:243585.3/7

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 921.030+/-0.287 χ^2/NDF:206429.8/5

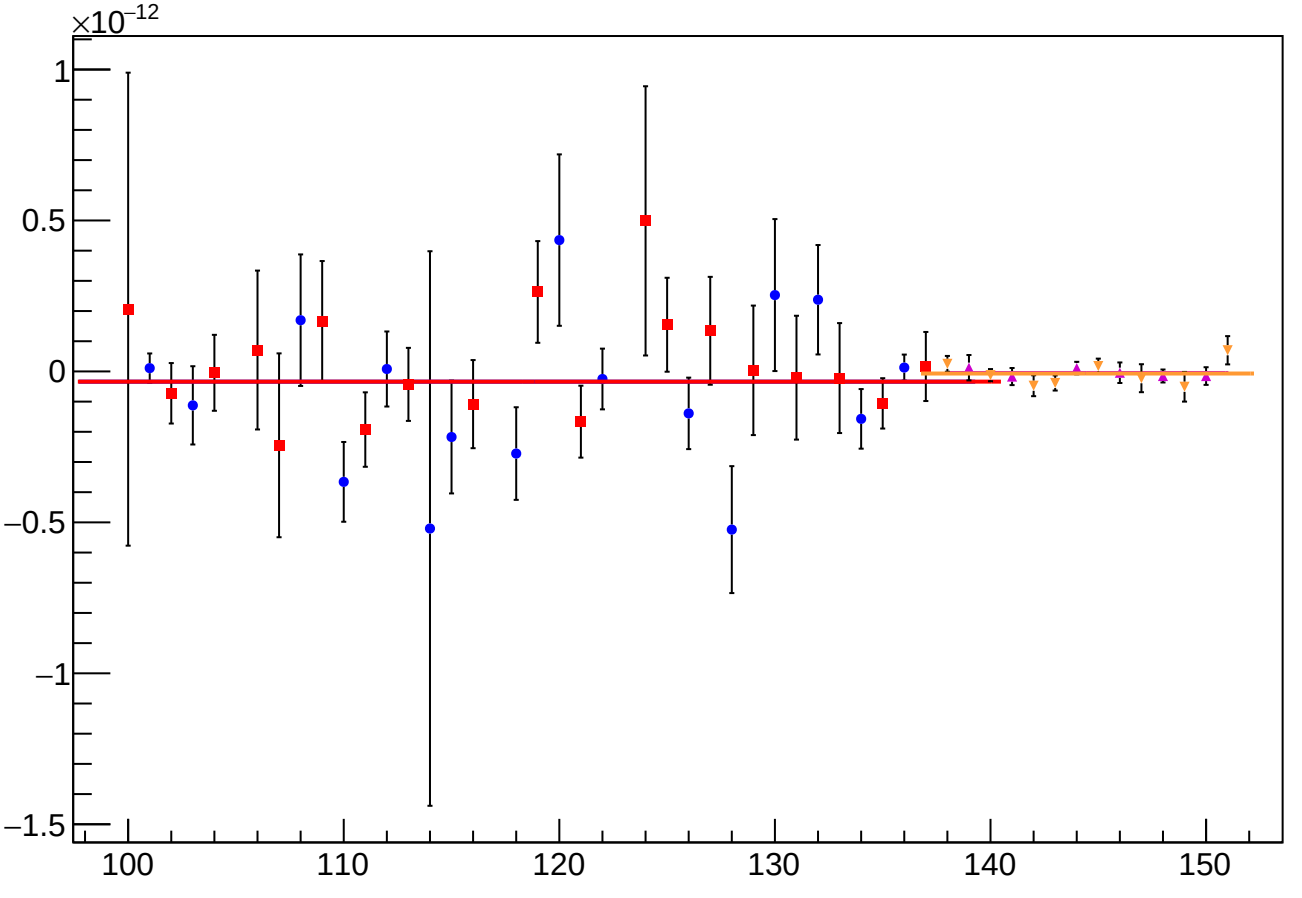
Left: 914.187+/-0.194 χ^2/NDF: 451054.9/13

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1103.862+/-0.231 χ^2/NDF:2029010.1/21

Out: 1092.717+/-0.220 χ^2/NDF:2407232.1/26

All: 1098.006+/-0.159 χ^2/NDF: 4437462.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/5

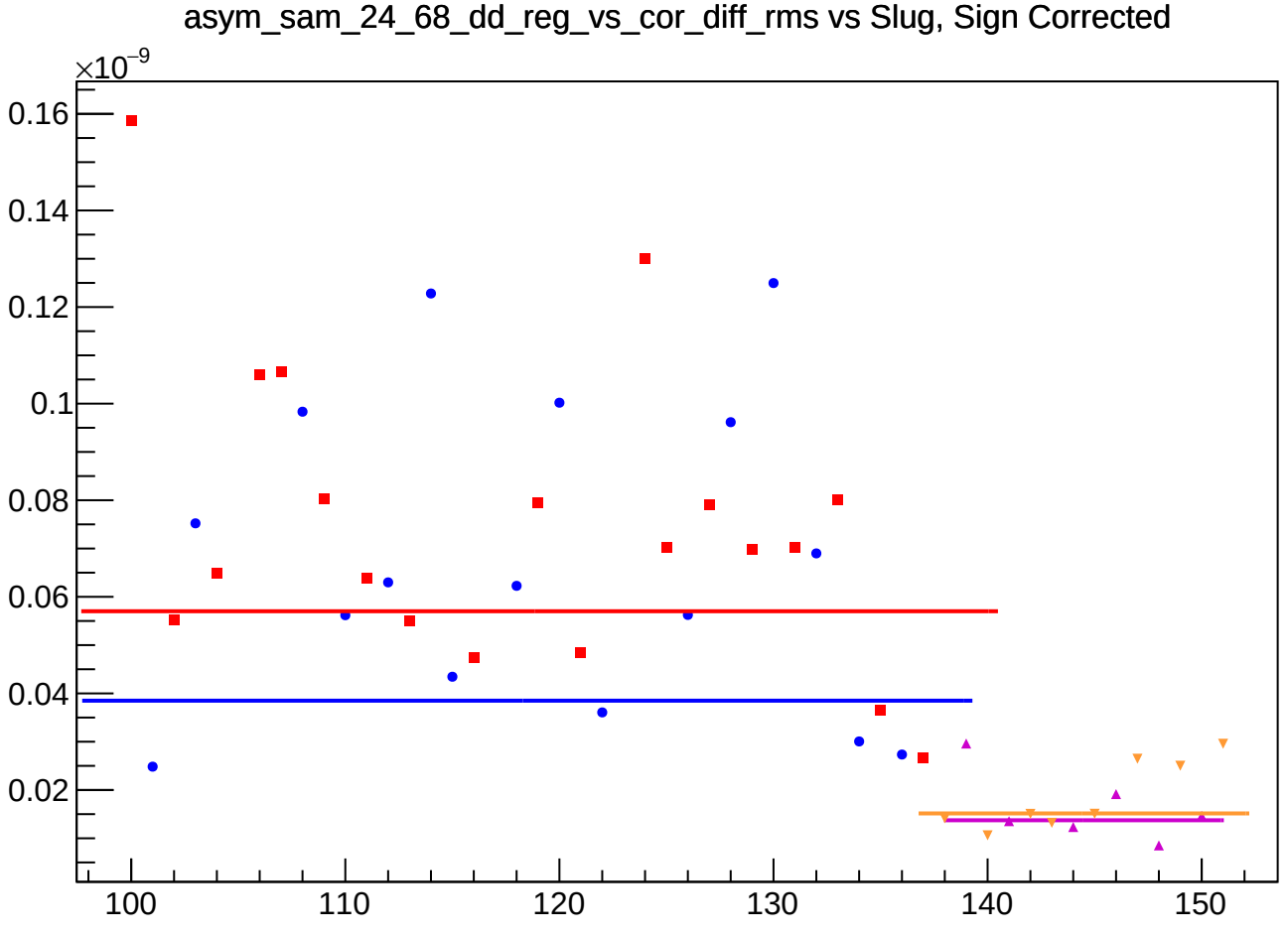
Left: -0.000+/-0.000 χ^2/NDF: 10.4/13

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:29.8/21

Out: -0.000+/-0.000 χ^2/NDF:22.7/26

All: -0.000+/-0.000 χ^2/NDF: 52.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:506494.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:465624.6/5

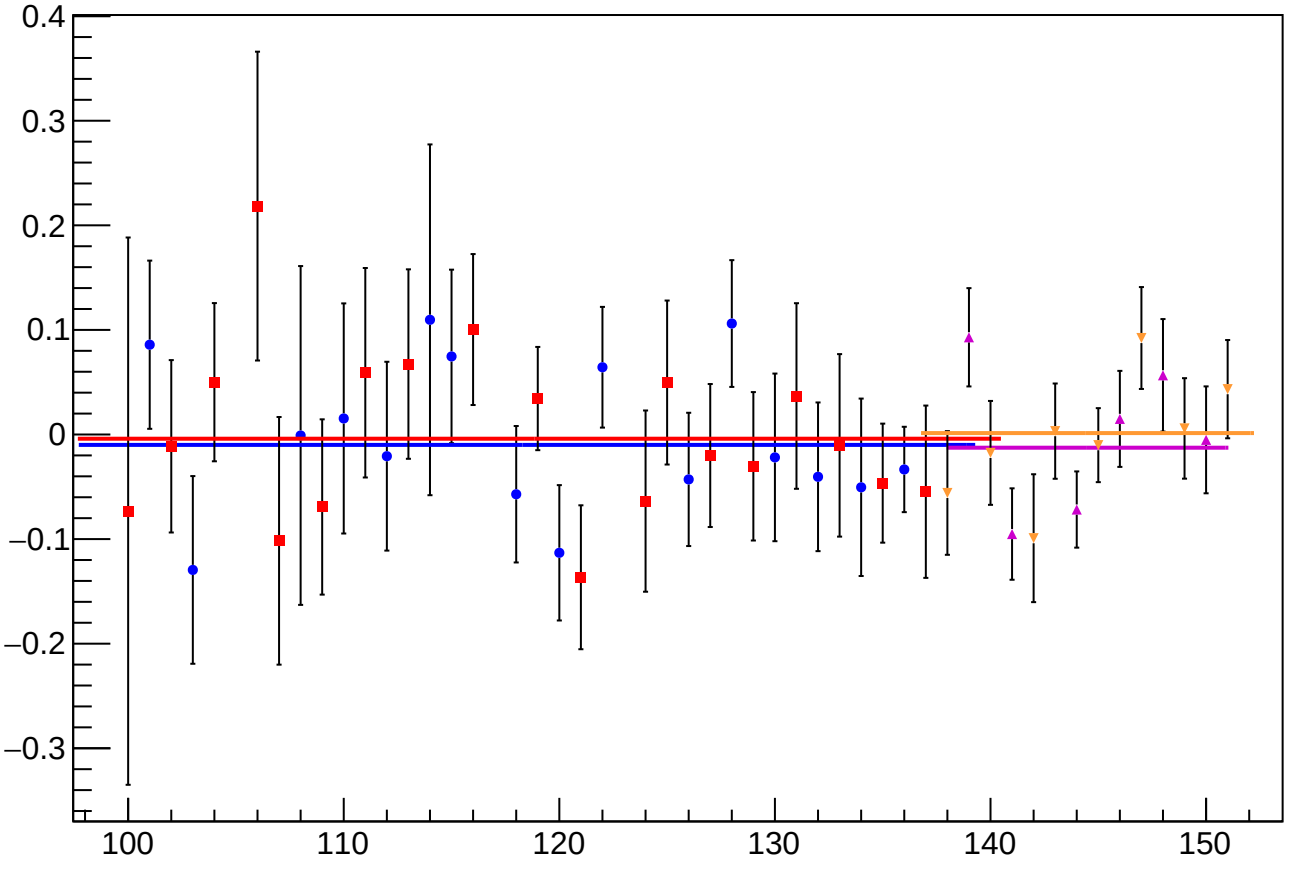
Left: 0.000+/-0.000 χ^2/NDF: 989815.7/13

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:3488997.1/21

Out: 0.000+/-0.000 χ^2/NDF:3973037.1/26

All: 0.000+/-0.000 χ^2/NDF: 7472925.3/48



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.018 χ^2/NDF:13.3/5

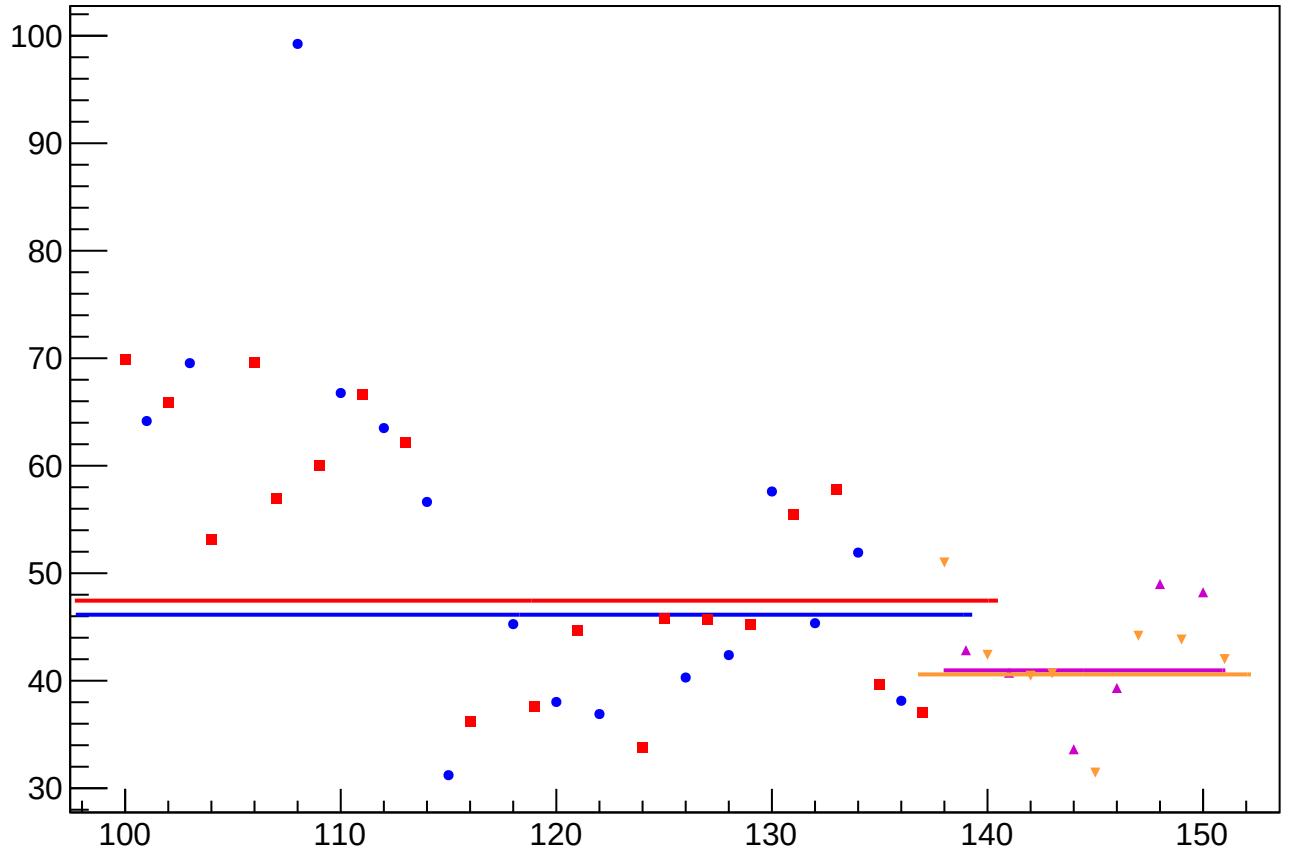
Left: -0.005+/-0.012 χ^2/NDF: 21.8/13

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.013 χ^2/NDF:27.5/21

Out: -0.001+/-0.012 χ^2/NDF:22.1/26

All: -0.006+/-0.009 χ^2/NDF: 49.9/48



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.9/7

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.963+/-0.013 χ^2/NDF:171912.6/5

Left: 40.757+/-0.009 χ^2/NDF: 392307.5/13

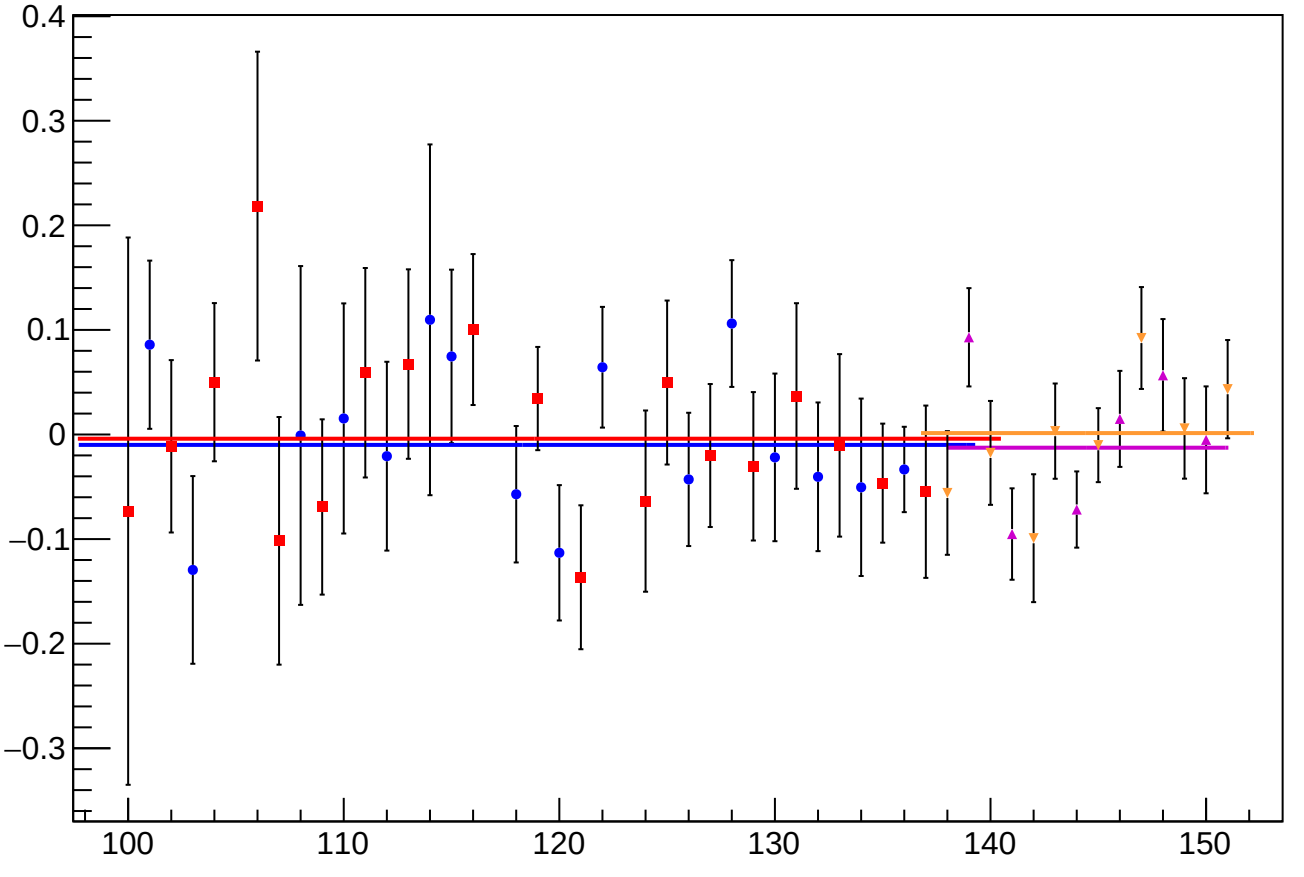
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.619+/-0.009 χ^2/NDF:1155888.7/21

Out: 43.762+/-0.009 χ^2/NDF:1029252.3/26

All: 43.694+/-0.006 χ^2/NDF: 2185269.7/48

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: 0.001+/-0.017 χ^2/NDF:8.2/7

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.018 χ^2/NDF:13.3/5

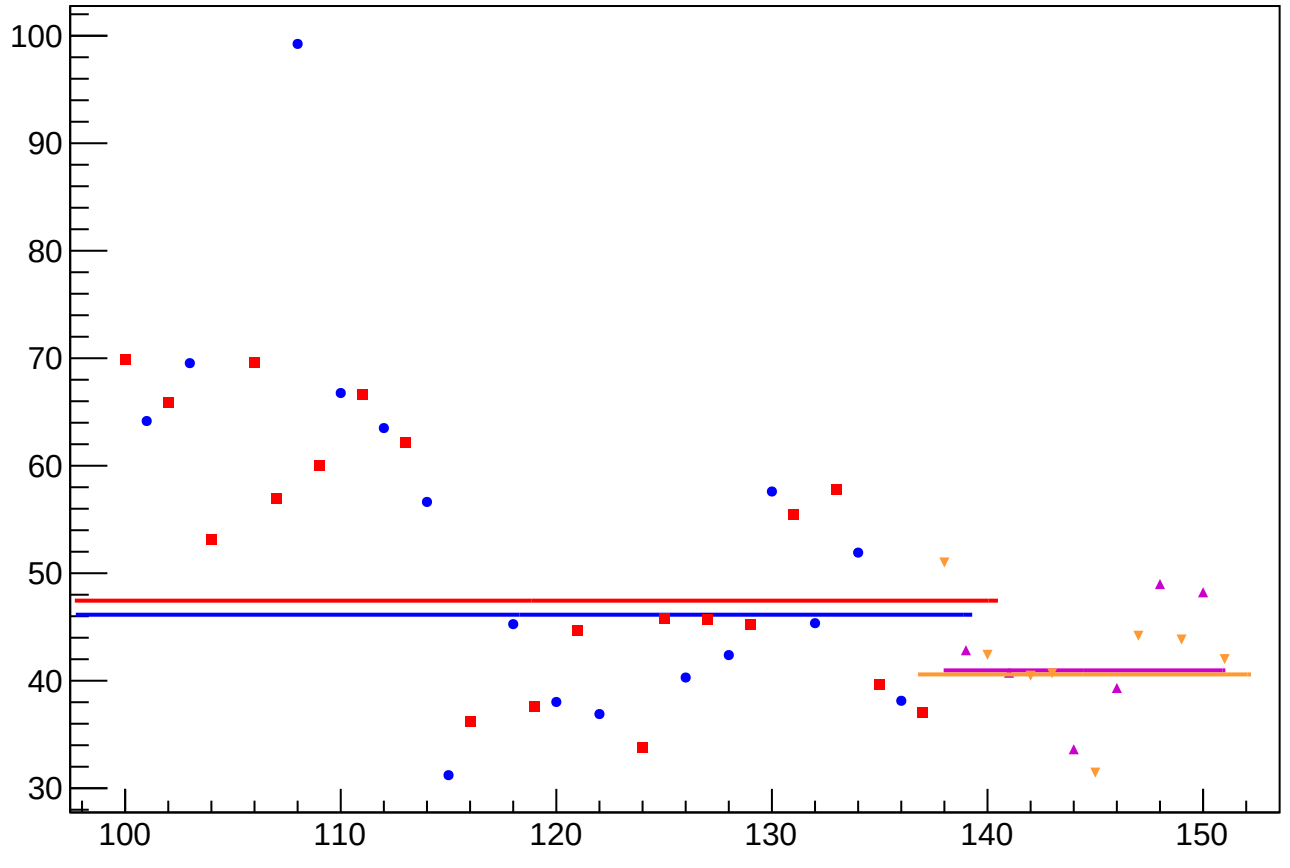
Left: -0.005+/-0.012 χ^2/NDF: 21.8/13

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.013 χ^2/NDF:27.5/21

Out: -0.001+/-0.012 χ^2/NDF:22.1/26

All: -0.006+/-0.009 χ^2/NDF: 49.9/48



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.9/7

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.963+/-0.013 χ^2/NDF:171912.6/5

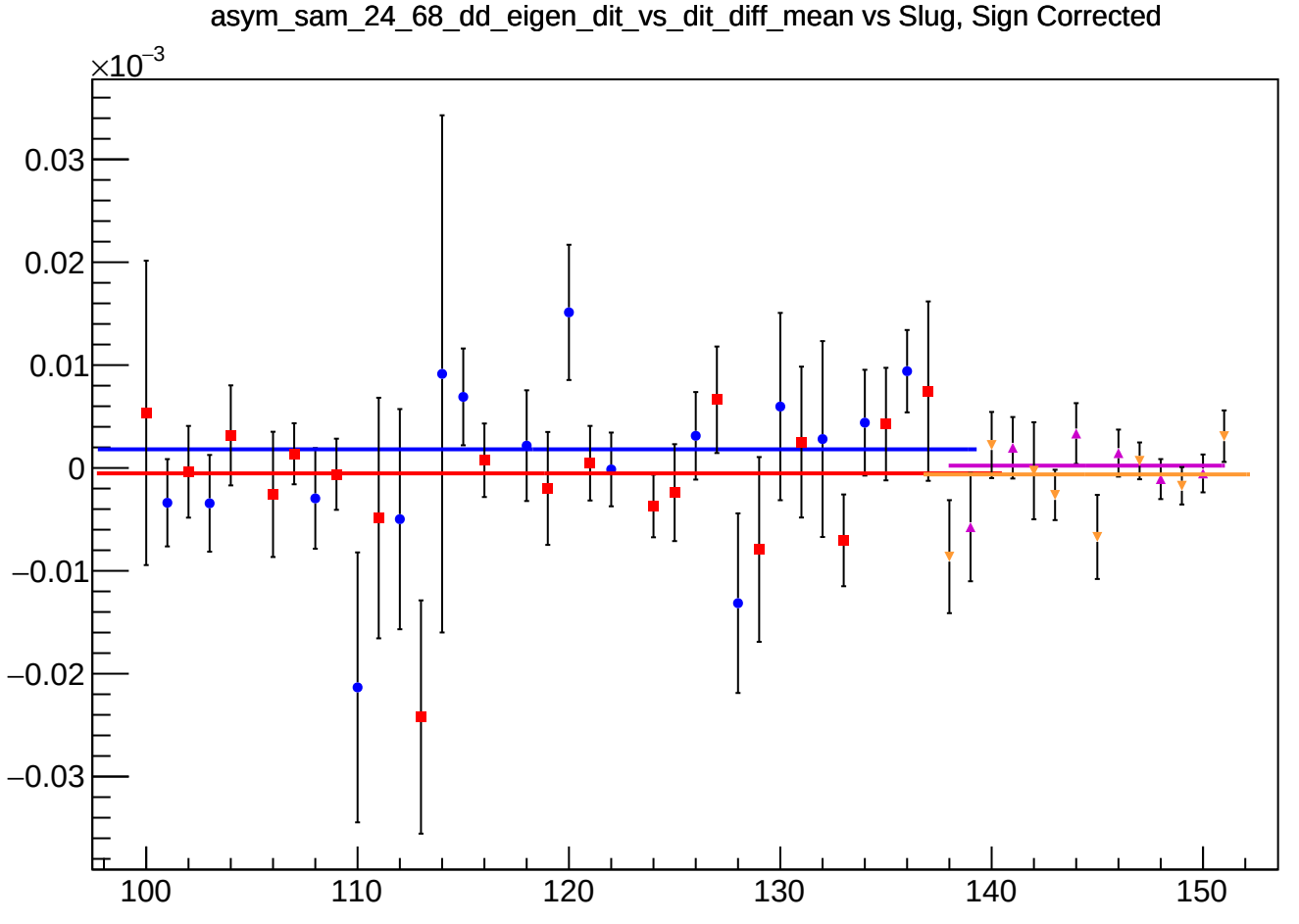
Left: 40.757+/-0.009 χ^2/NDF: 392307.5/13

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.619+/-0.009 χ^2/NDF:1155888.7/21

Out: 43.762+/-0.009 χ^2/NDF:1029252.3/26

All: 43.694+/-0.006 χ^2/NDF: 2185269.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/5

Left: -0.000+/-0.000 χ^2/NDF: 13.0/13

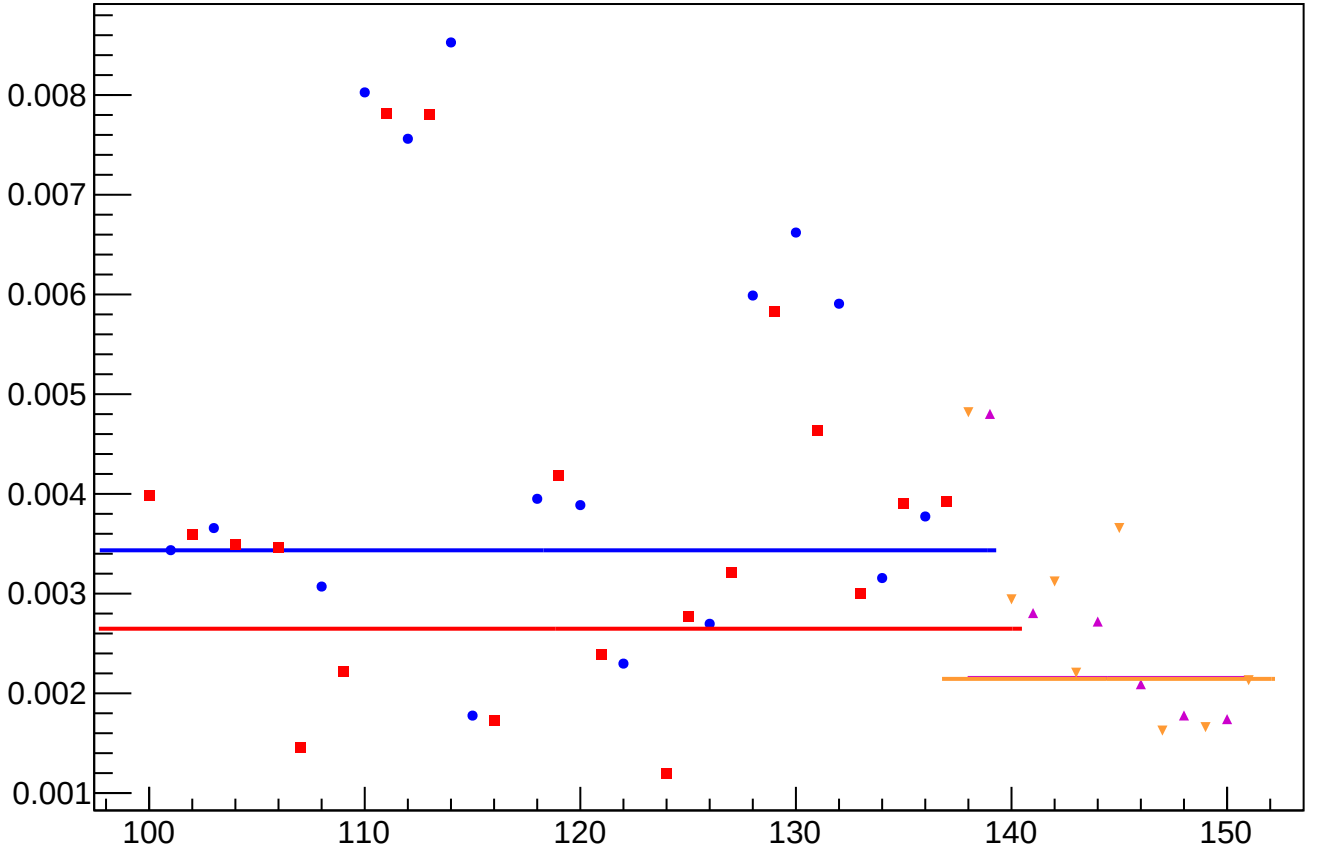
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:24.5/21

Out: -0.000+/-0.000 χ^2/NDF:22.7/26

All: 0.000+/-0.000 χ^2/NDF: 48.8/48

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1267901.9/7

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:851925.9/5

Left: 0.002+/-0.000 χ^2/NDF: 2119921.7/13

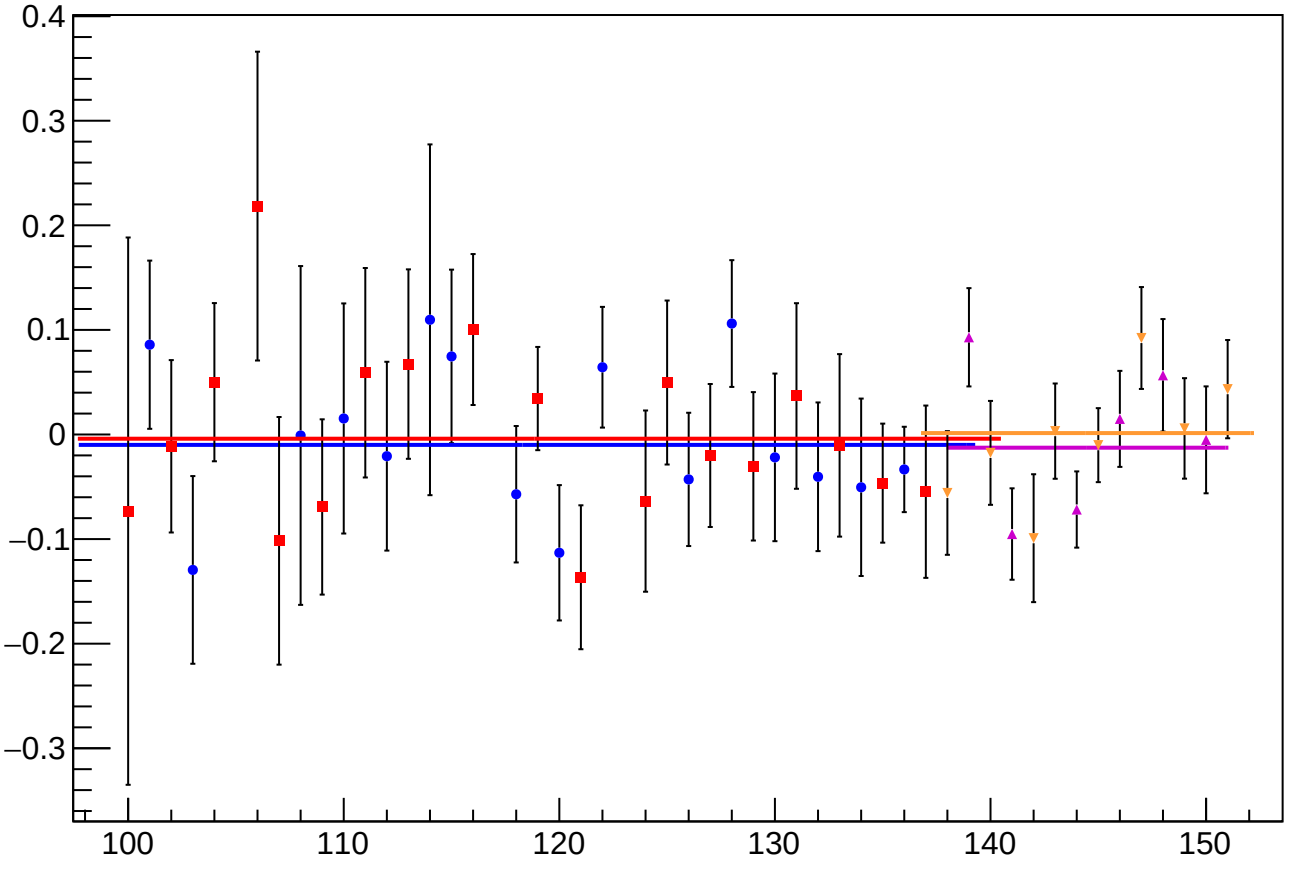
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:3742463.1/21

Out: 0.002+/-0.000 χ^2/NDF:4213064.2/26

All: 0.002+/-0.000 χ^2/NDF: 8055828.4/48

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: 0.001+/-0.017 χ^2/NDF:8.2/7

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.018 χ^2/NDF:13.3/5

Left: -0.005+/-0.012 χ^2/NDF: 21.8/13

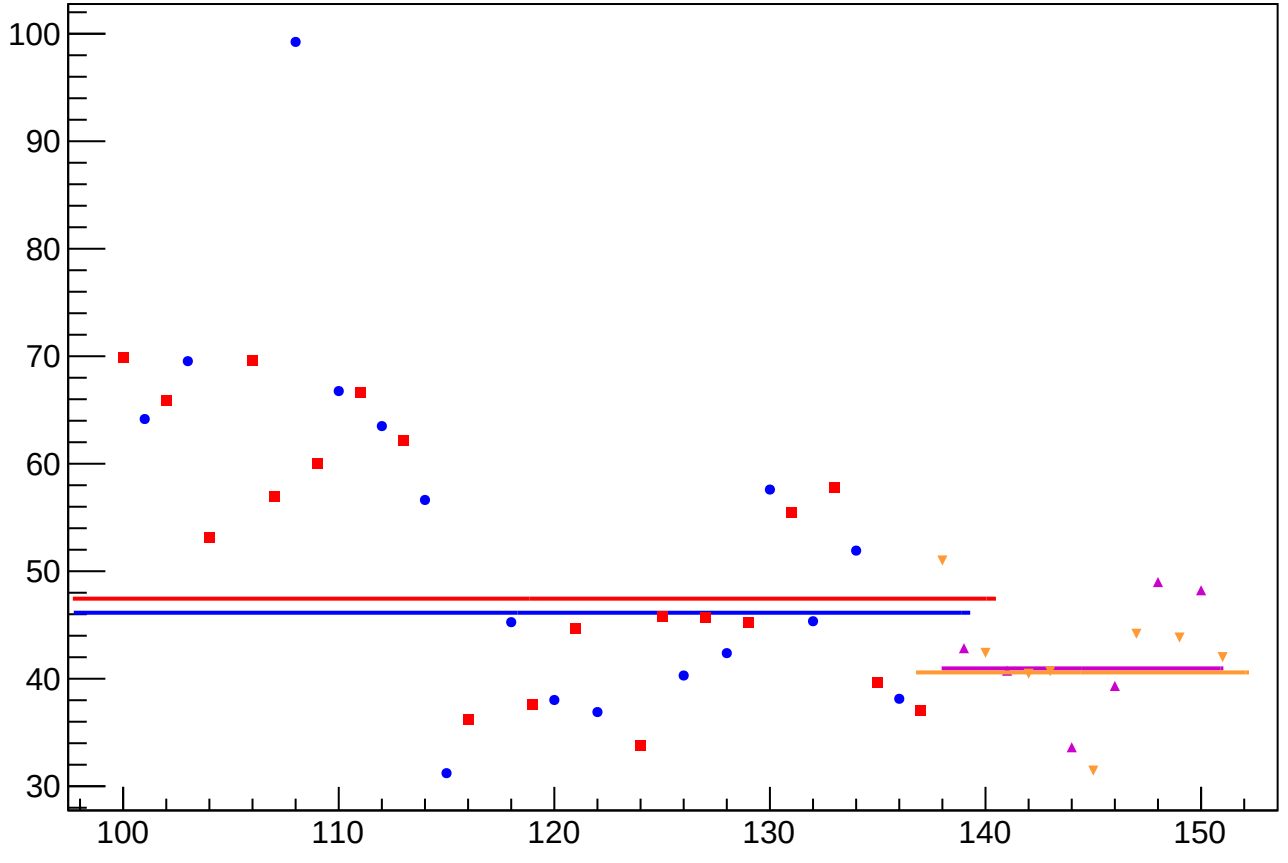
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.013 χ^2/NDF:27.5/21

Out: -0.001+/-0.012 χ^2/NDF:22.1/26

All: -0.006+/-0.009 χ^2/NDF: 49.9/48

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.3/7

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.962+/-0.013 χ^2/NDF:171917.8/5

Left: 40.757+/-0.009 χ^2/NDF: 392311.2/13

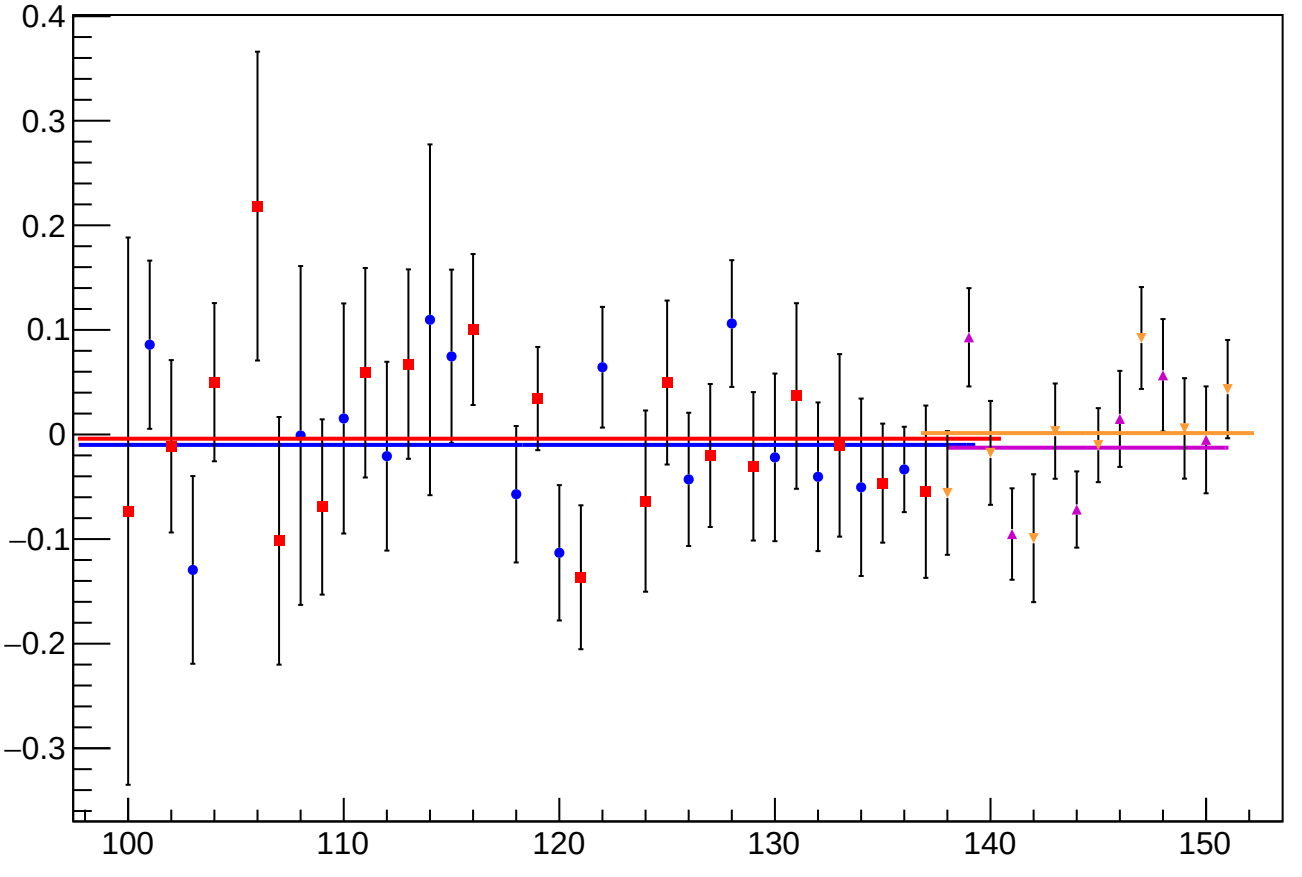
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.618+/-0.009 χ^2/NDF:1155825.4/21

Out: 43.762+/-0.009 χ^2/NDF:1029188.3/26

All: 43.693+/-0.006 χ^2/NDF: 2185143.2/48

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: 0.001+/-0.017 χ^2/NDF:8.2/7

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.018 χ^2/NDF:13.3/5

Left: -0.005+/-0.012 χ^2/NDF: 21.8/13

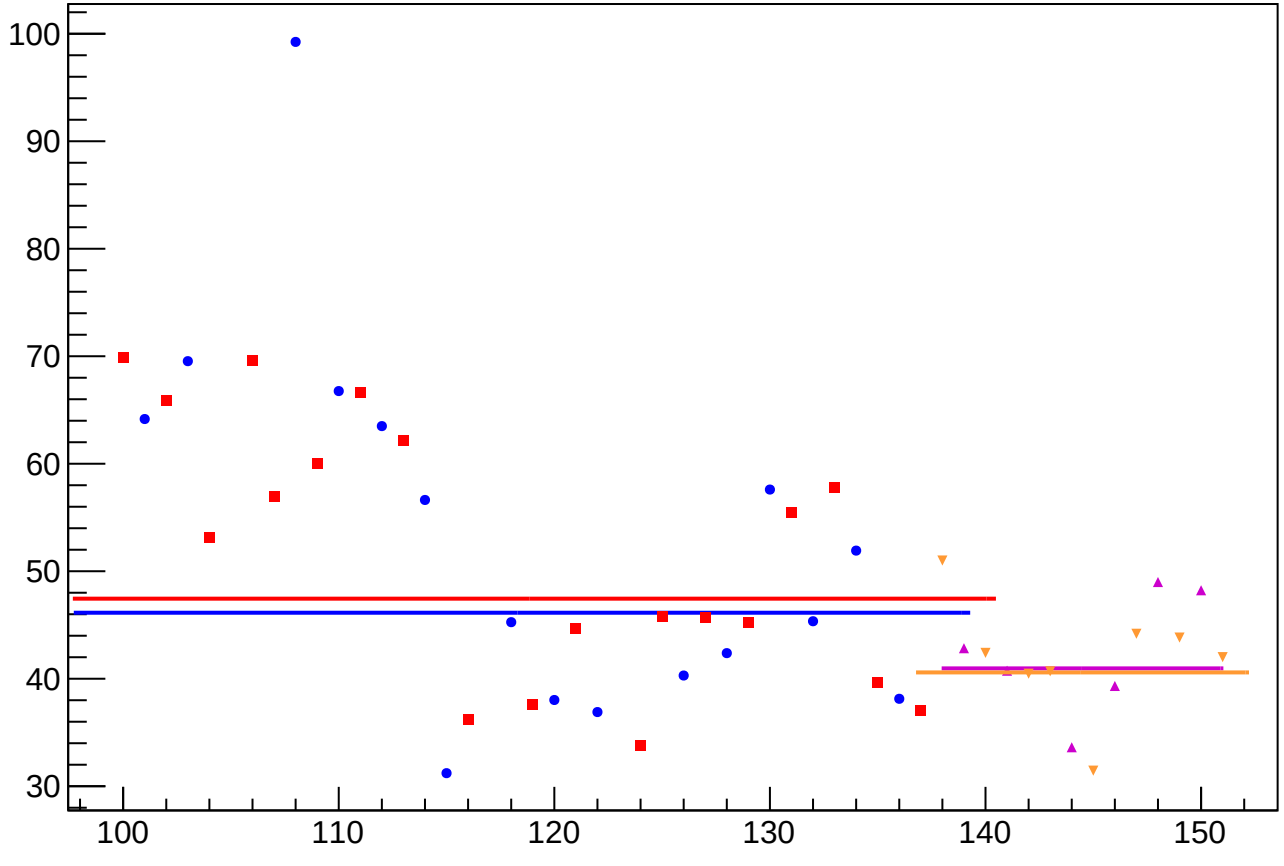
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.013 χ^2/NDF:27.5/21

Out: -0.001+/-0.012 χ^2/NDF:22.1/26

All: -0.006+/-0.009 χ^2/NDF: 49.9/48

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.587+/-0.012 χ^2/NDF:219941.3/7

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.962+/-0.013 χ^2/NDF:171917.8/5

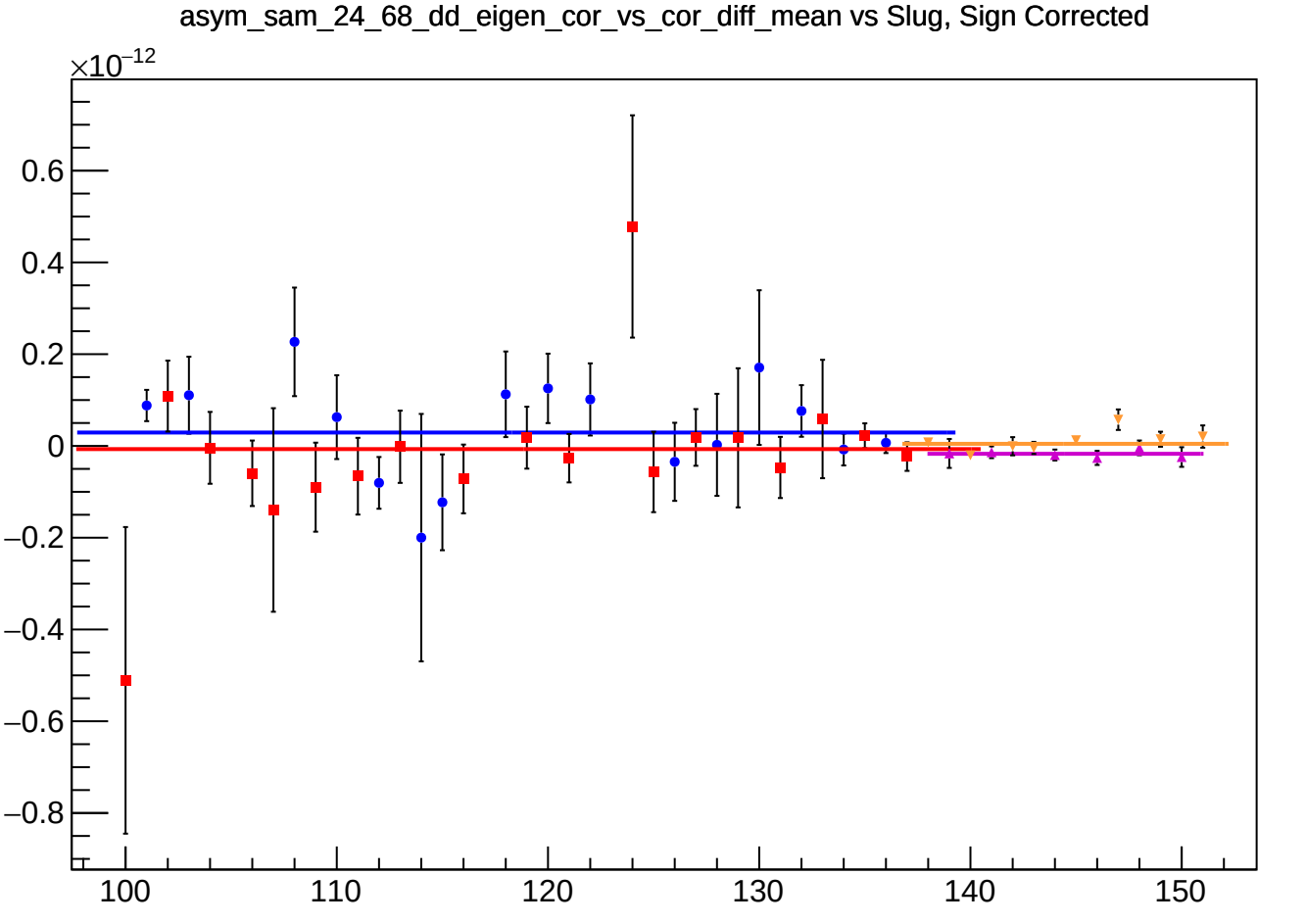
Left: 40.757+/-0.009 χ^2/NDF: 392311.2/13

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.618+/-0.009 χ^2/NDF:1155825.4/21

Out: 43.762+/-0.009 χ^2/NDF:1029188.3/26

All: 43.693+/-0.006 χ^2/NDF: 2185143.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.2/5

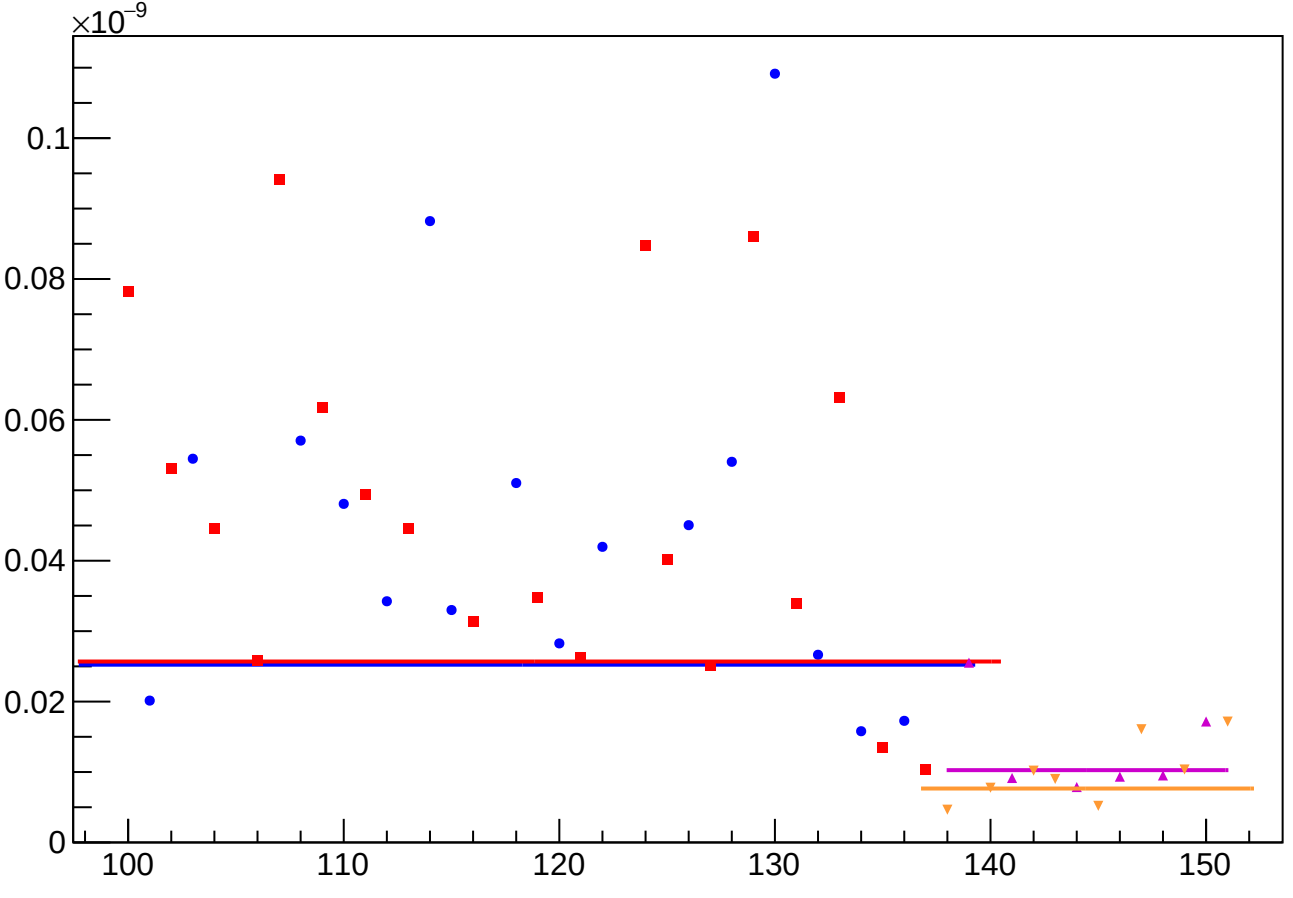
Left: -0.000+/-0.000 χ^2/NDF: 21.9/13

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:31.7/21

Out: 0.000+/-0.000 χ^2/NDF:28.0/26

All: -0.000+/-0.000 χ^2/NDF: 62.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1018651.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:782999.0/5

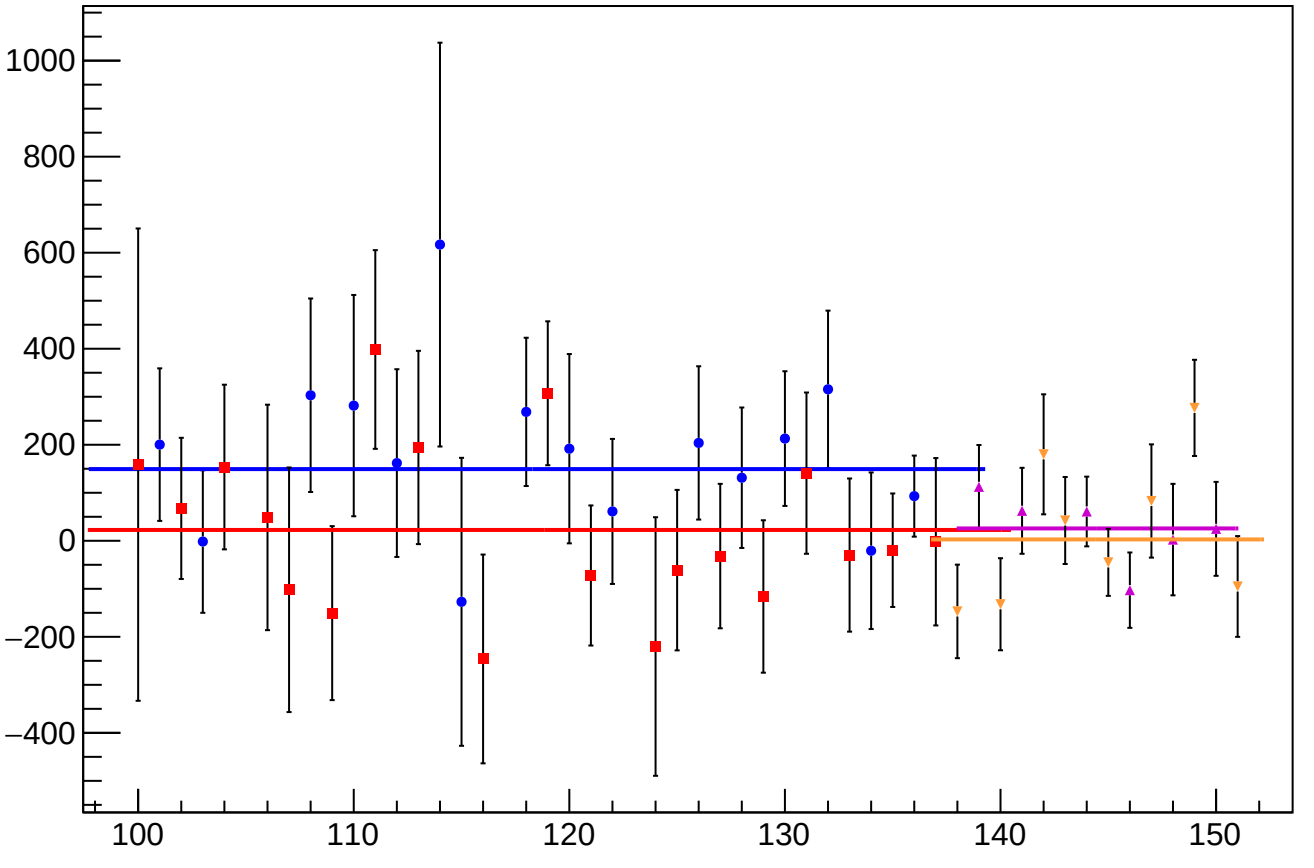
Left: 0.000+/-0.000 χ^2/NDF: 2018461.2/13

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4905278.3/21

Out: 0.000+/-0.000 χ^2/NDF:6668371.3/26

All: 0.000+/-0.000 χ^2/NDF: 12069056.5/48



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.841+/-33.944 χ^2/NDF:15.8/7

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 25.717+/-35.640 χ^2/NDF:4.1/5

Left: 13.722+/-24.580 χ^2/NDF: 20.2/13

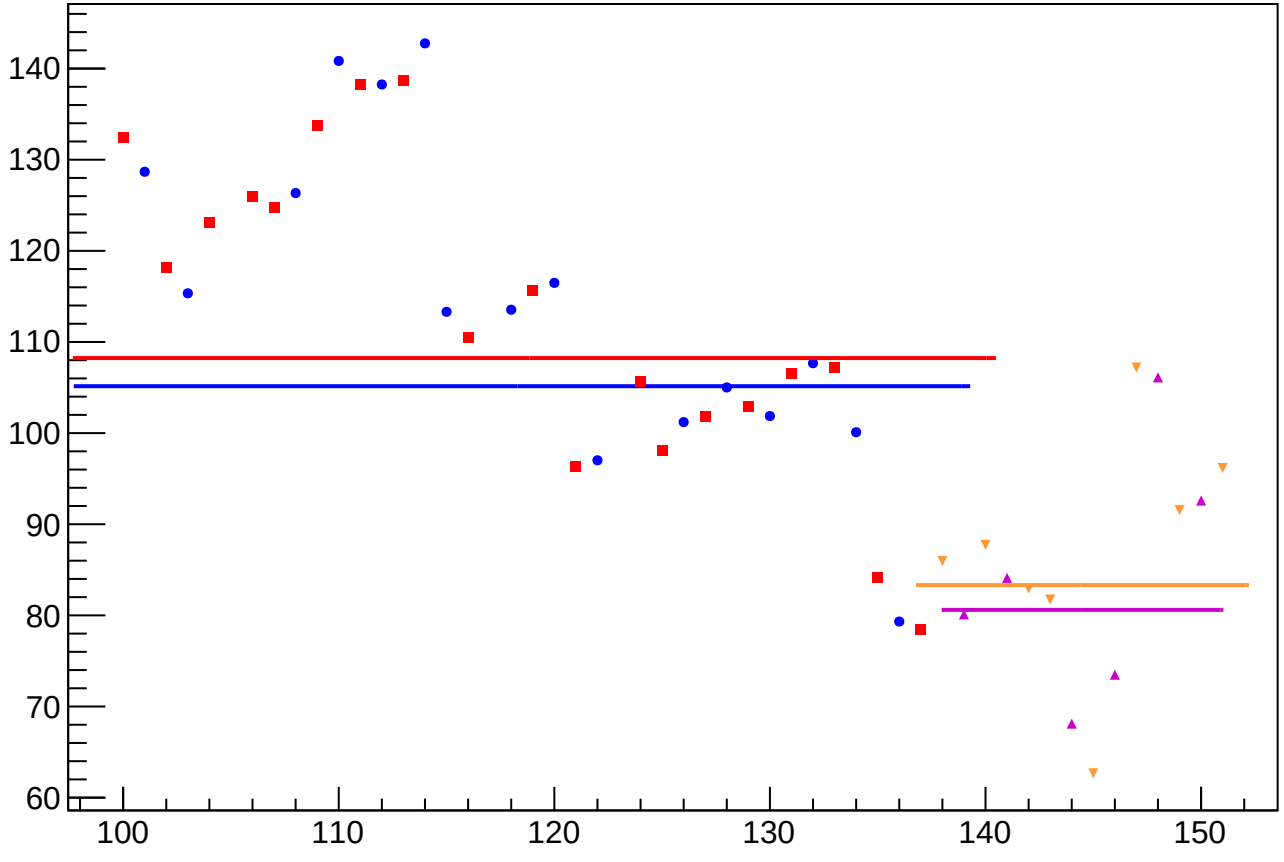
Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 80.888+/-26.517 χ^2/NDF:17.5/21

Out: 11.068+/-25.908 χ^2/NDF:30.2/26

All: 45.168+/-18.531 χ^2/NDF: 51.2/48

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 83.323+/-0.024 χ^2/NDF:307143.4/7

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 80.603+/-0.025 χ^2/NDF:205409.2/5

Left: 82.029+/-0.017 χ^2/NDF: 518659.3/13

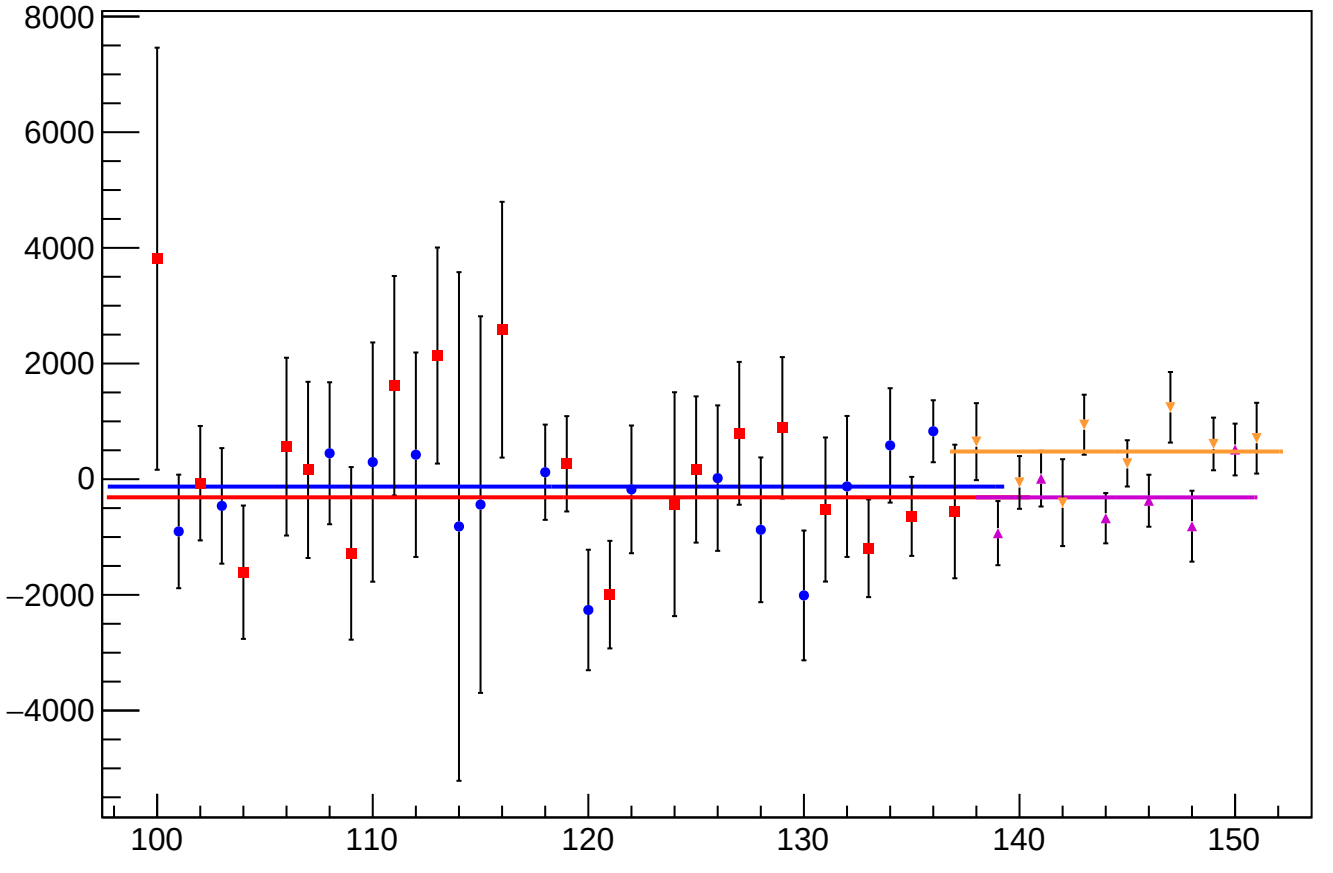
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 91.560+/-0.019 χ^2/NDF:1037229.1/21

Out: 93.721+/-0.018 χ^2/NDF:1106676.9/26

All: 92.666+/-0.013 χ^2/NDF: 2150703.3/48

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: 478.334+/-185.776 χ^2/NDF:5.7/7

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -314.325+/-198.201 χ^2/NDF:6.5/5

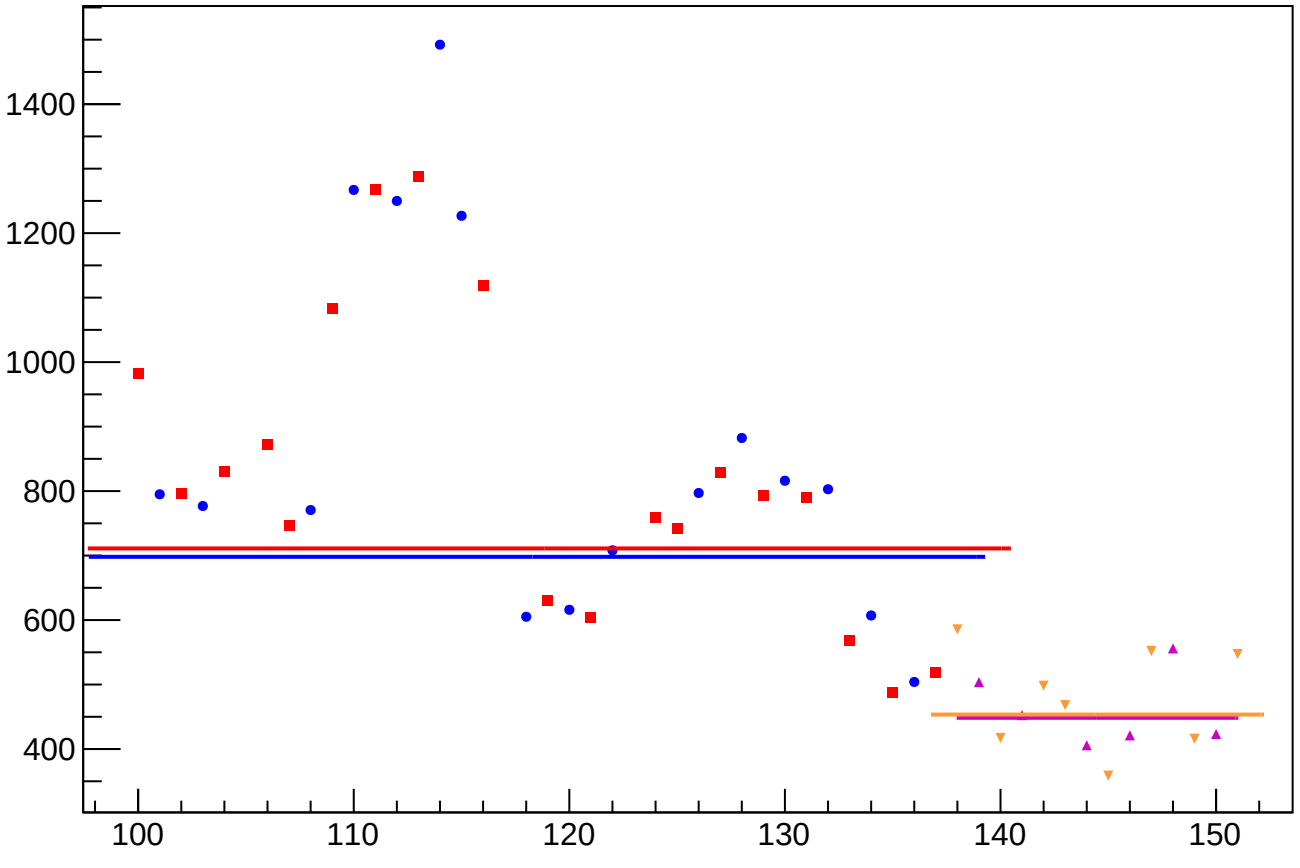
Left: 107.628+/-135.543 χ^2/NDF: 20.7/13

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -248.660+/-159.485 χ^2/NDF:19.1/21

Out: 224.228+/-153.071 χ^2/NDF:26.5/26

All: -2.517+/-110.435 χ^2/NDF: 50.2/48



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 453.475+/-0.131 χ^2/NDF:324924.3/7

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 448.421+/-0.140 χ^2/NDF:114564.7/5

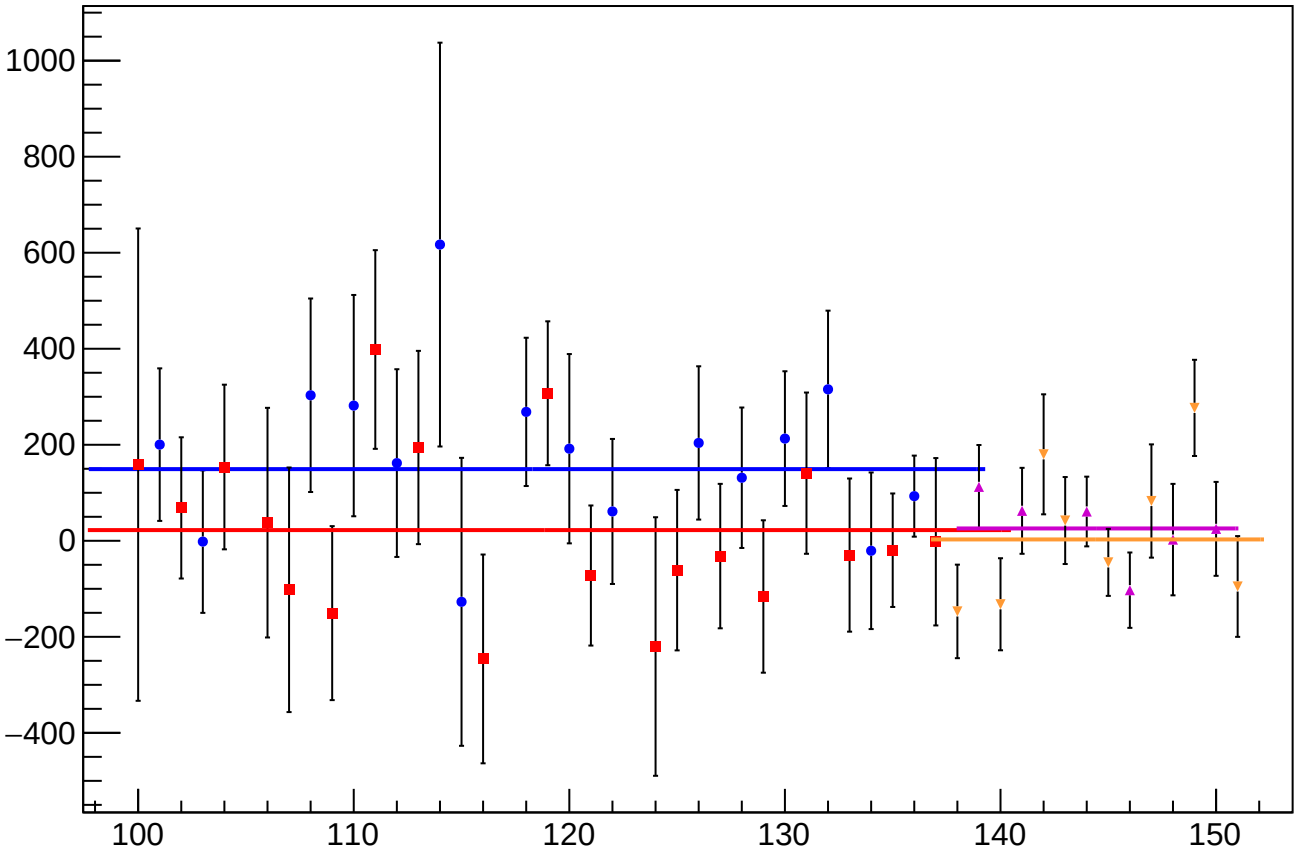
Left: 451.111+/-0.096 χ^2/NDF: 440181.3/13

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 536.423+/-0.113 χ^2/NDF:2145853.0/21

Out: 536.194+/-0.108 χ^2/NDF:2594918.8/26

All: 536.304+/-0.078 χ^2/NDF: 4740773.9/48



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.837+/-33.944 χ^2/NDF:15.8/7

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 25.714+/-35.640 χ^2/NDF:4.1/5

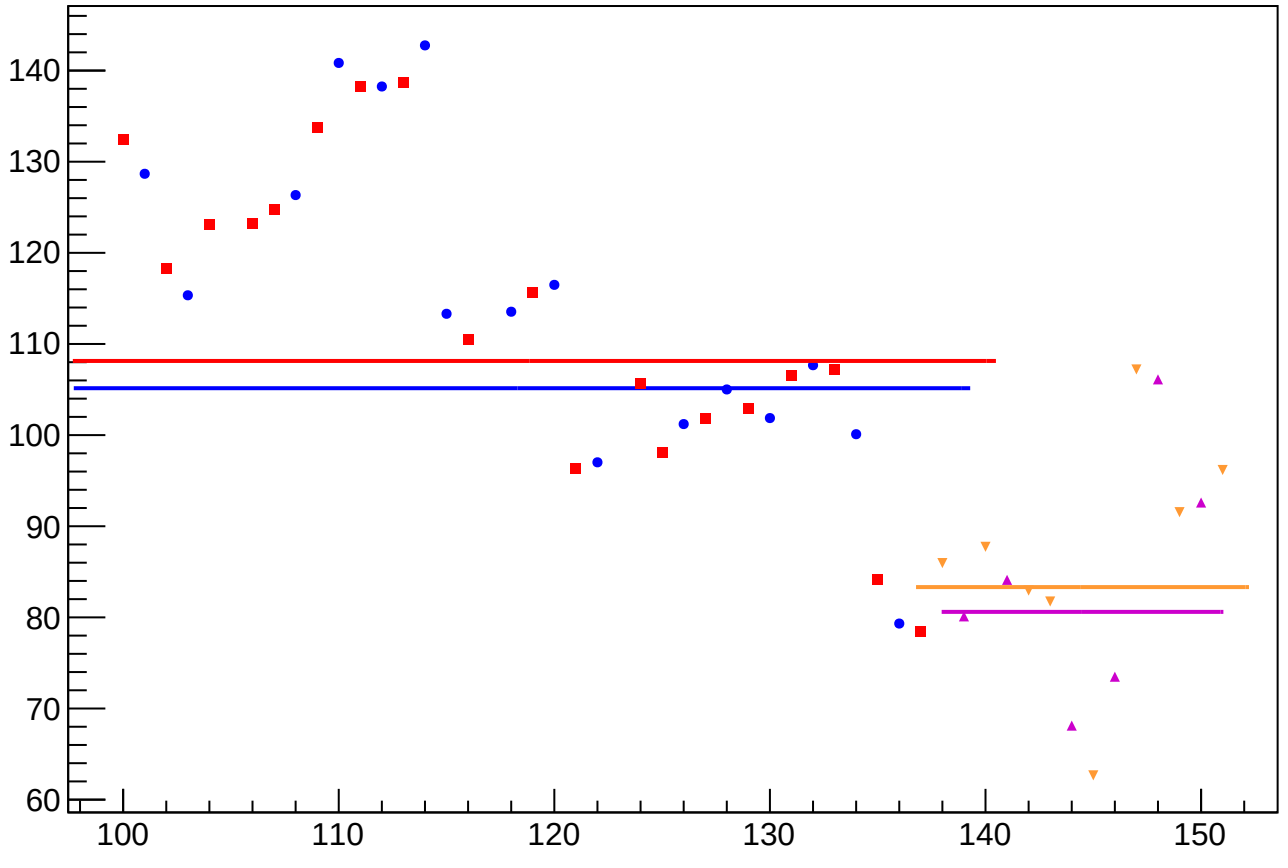
Left: 13.719+/-24.580 χ^2/NDF: 20.2/13

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 80.883+/-26.517 χ^2/NDF:17.5/21

Out: 10.955+/-25.914 χ^2/NDF:30.2/26

All: 45.115+/-18.534 χ^2/NDF: 51.2/48



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 83.323+/-0.024 χ^2/NDF:307143.4/7

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 80.603+/-0.025 χ^2/NDF:205409.2/5

Left: 82.029+/-0.017 χ^2/NDF: 518659.3/13

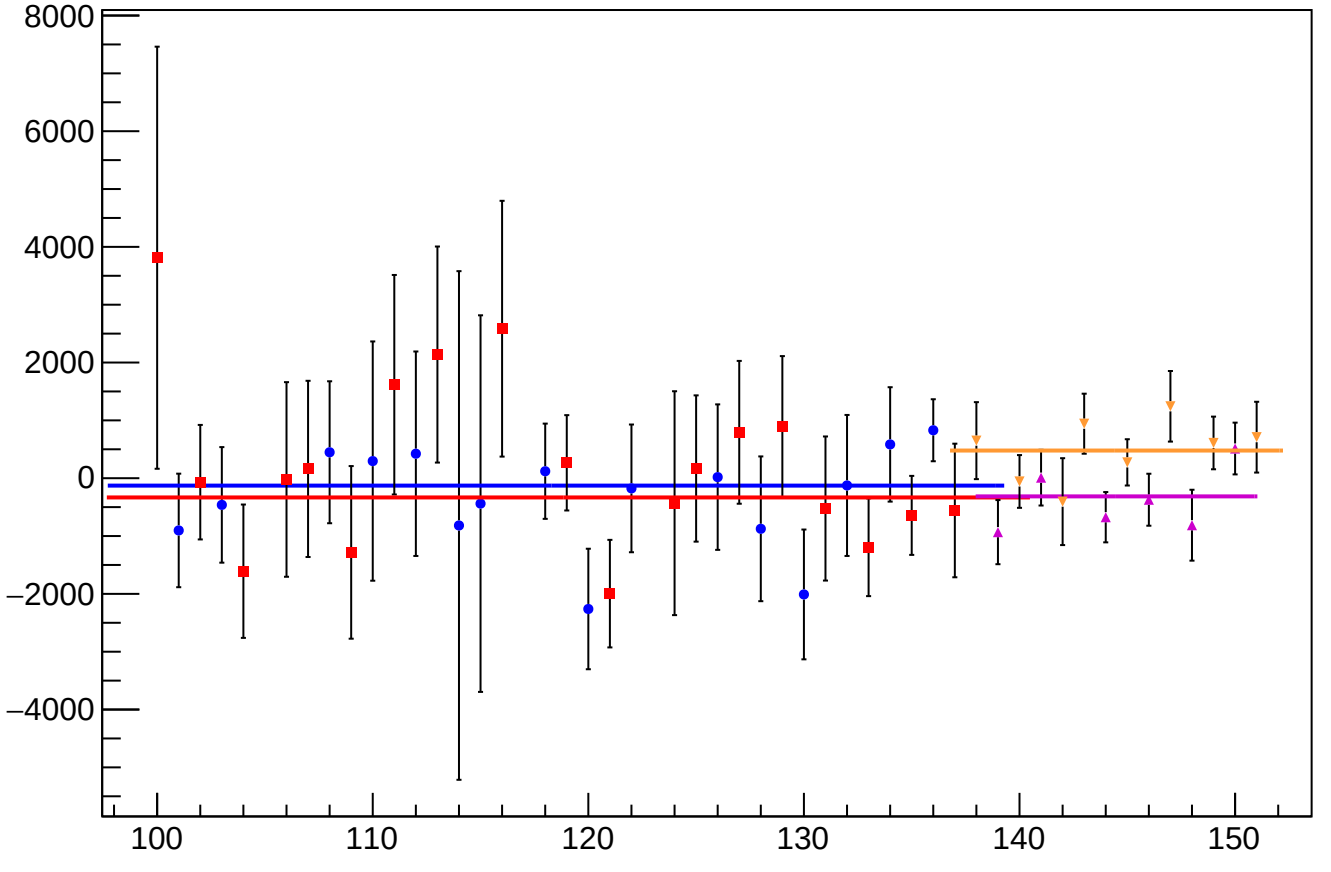
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.560+/-0.019 χ^2/NDF:1037229.5/21

Out: 93.674+/-0.018 χ^2/NDF:1099303.8/26

All: 92.641+/-0.013 χ^2/NDF: 2143037.4/48

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: 478.334+/-185.776 χ^2/NDF:5.7/7

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -314.326+/-198.201 χ^2/NDF:6.5/5

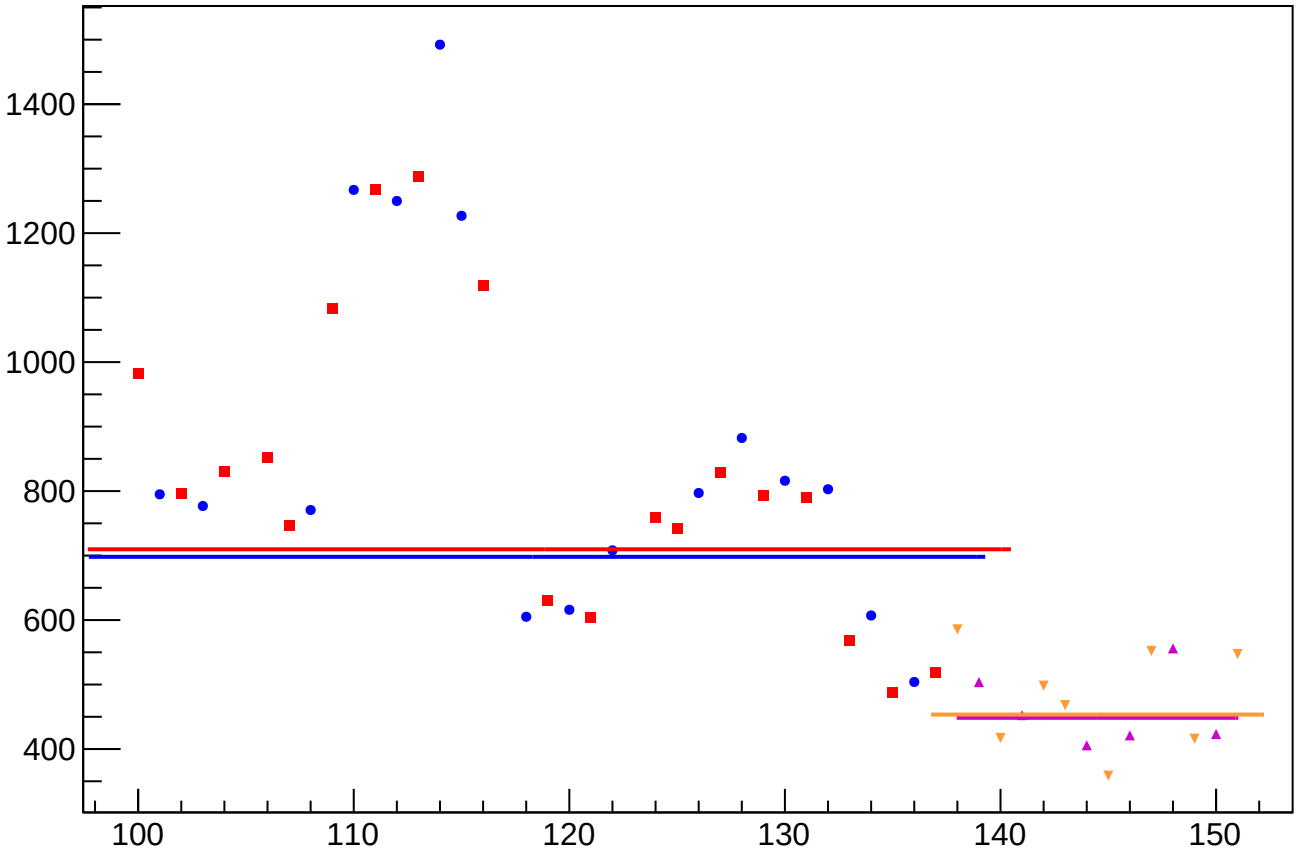
Left: 107.627+/-135.544 χ^2/NDF: 20.7/13

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -248.658+/-159.485 χ^2/NDF:19.1/21

Out: 218.843+/-153.199 χ^2/NDF:26.5/26

All: -5.513+/-110.483 χ^2/NDF: 50.0/48



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 453.475+/-0.131 χ^2/NDF:324926.1/7

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 448.421+/-0.140 χ^2/NDF:114563.2/5

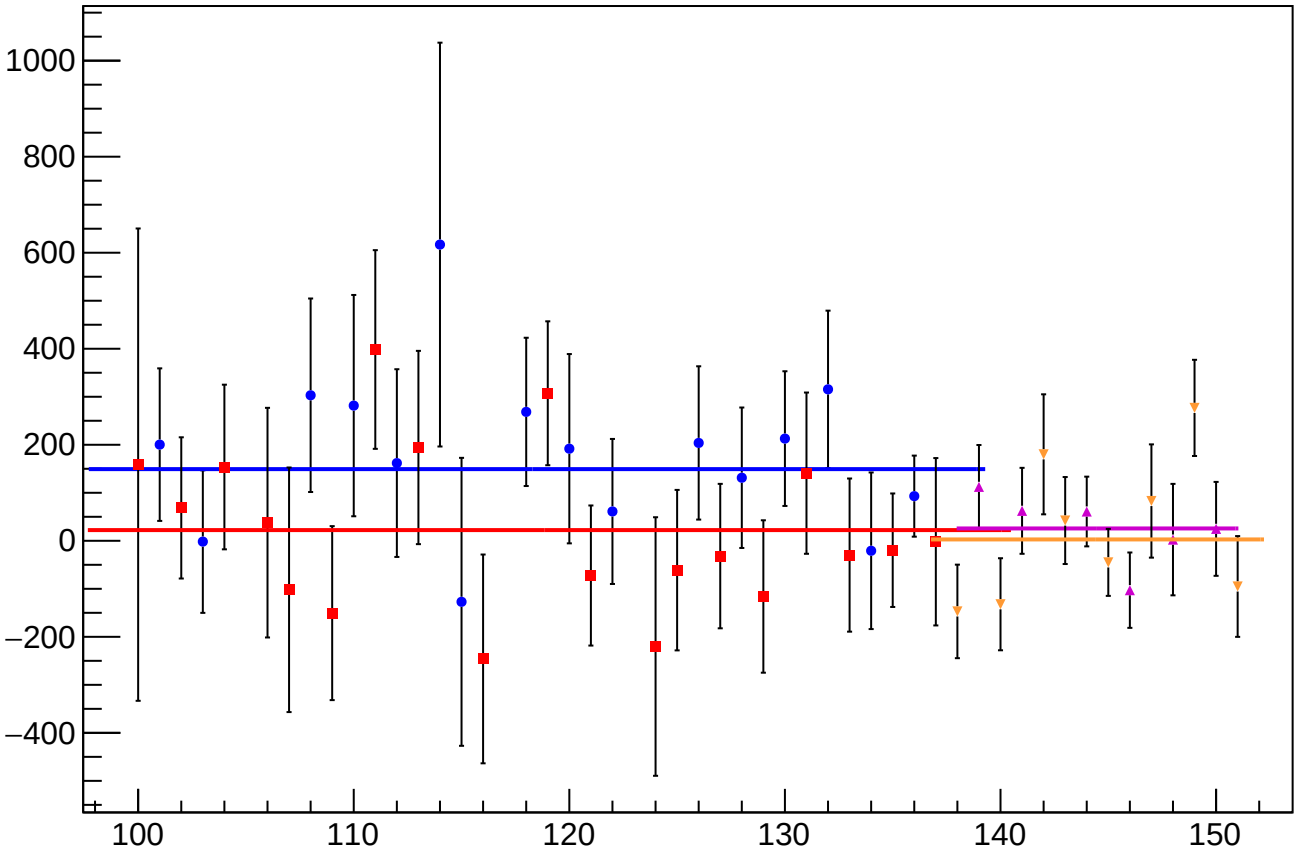
Left: 451.111+/-0.096 χ^2/NDF: 440181.5/13

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 536.423+/-0.113 χ^2/NDF:2145863.4/21

Out: 535.473+/-0.108 χ^2/NDF:2569790.6/26

All: 535.929+/-0.078 χ^2/NDF: 4715690.8/48



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.837+/-33.944 χ^2/NDF:15.8/7

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 25.714+/-35.640 χ^2/NDF:4.1/5

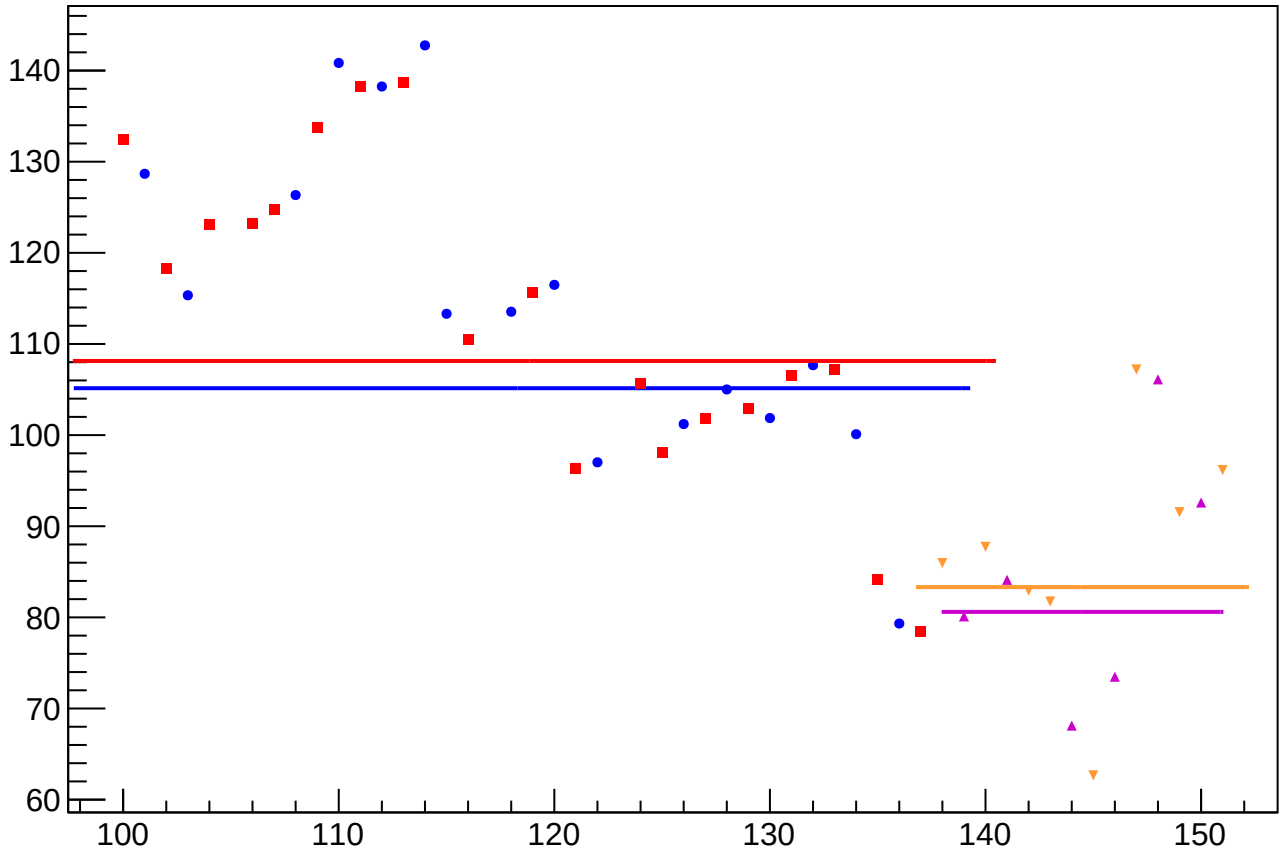
Left: 13.719+/-24.580 χ^2/NDF: 20.2/13

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 80.883+/-26.517 χ^2/NDF:17.5/21

Out: 10.955+/-25.914 χ^2/NDF:30.2/26

All: 45.115+/-18.534 χ^2/NDF: 51.2/48



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 83.323+/-0.024 χ^2/NDF:307143.4/7

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 80.603+/-0.025 χ^2/NDF:205409.2/5

Left: 82.029+/-0.017 χ^2/NDF: 518659.3/13

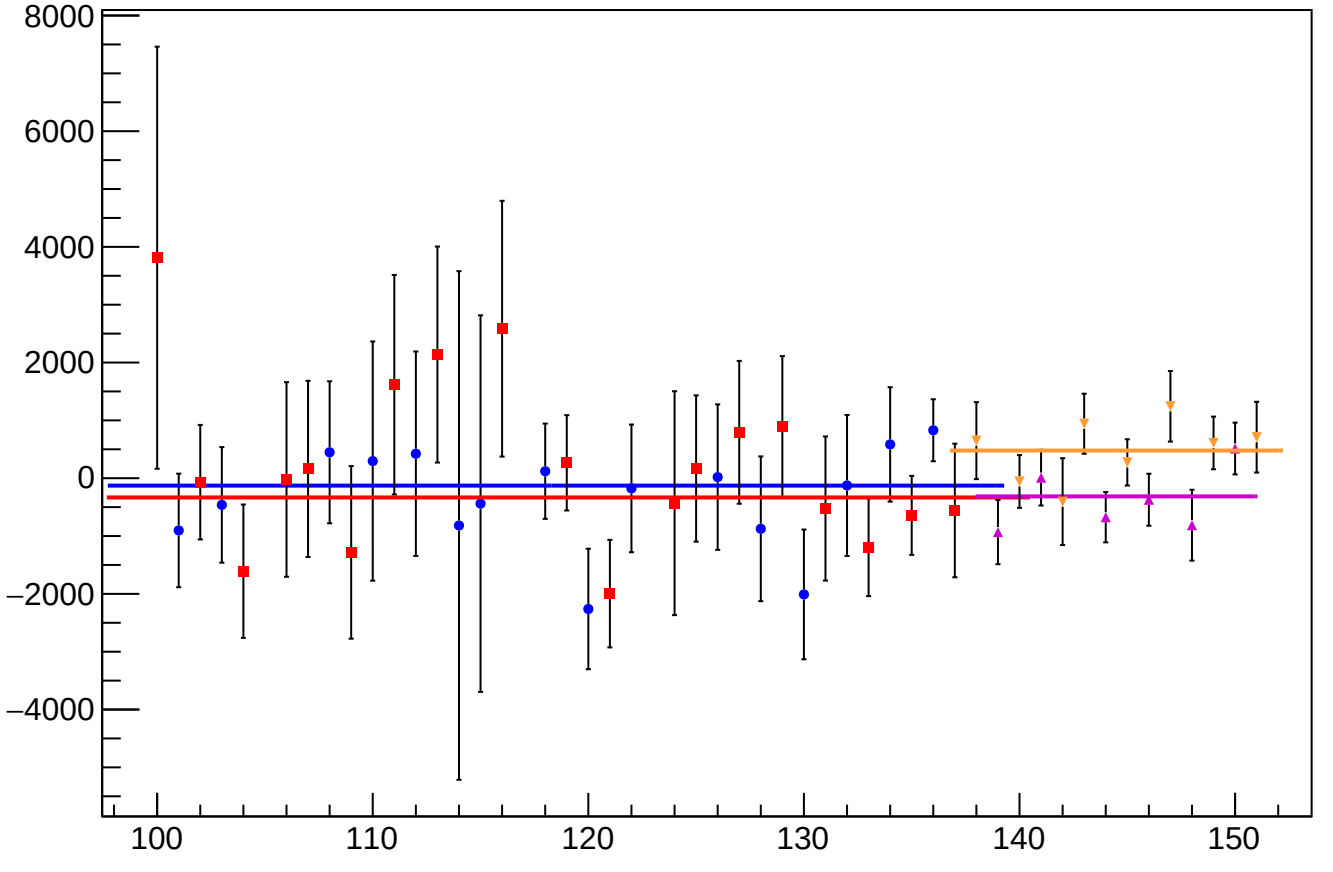
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.560+/-0.019 χ^2/NDF:1037229.5/21

Out: 93.674+/-0.018 χ^2/NDF:1099303.8/26

All: 92.641+/-0.013 χ^2/NDF: 2143037.4/48

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: 478.334+/-185.776 χ^2/NDF:5.7/7

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -314.326+/-198.201 χ^2/NDF:6.5/5

Left: 107.627+/-135.544 χ^2/NDF: 20.7/13

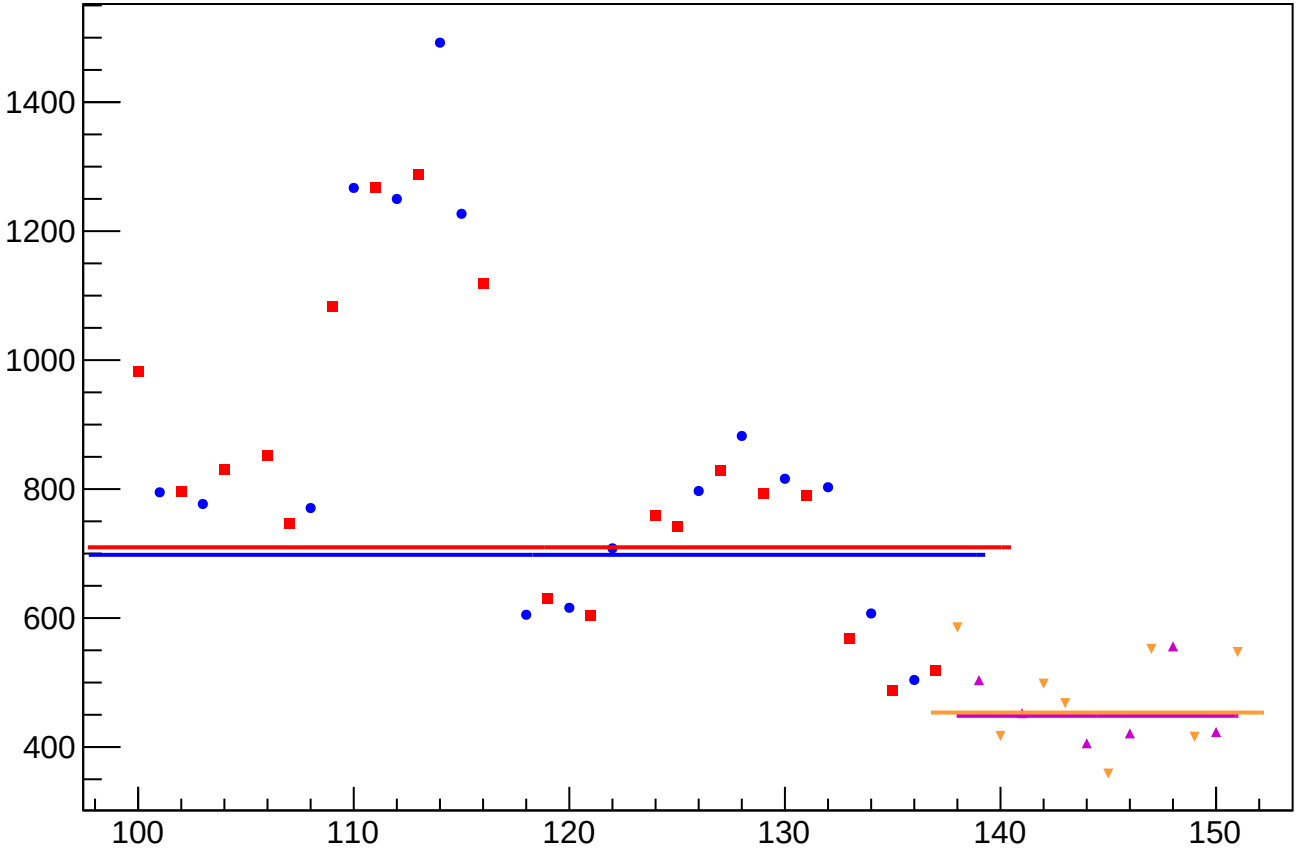
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -248.658+/-159.485 χ^2/NDF:19.1/21

Out: 218.843+/-153.199 χ^2/NDF:26.5/26

All: -5.513+/-110.483 χ^2/NDF: 50.0/48

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 453.475+/-0.131 χ^2/NDF:324926.1/7

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 448.421+/-0.140 χ^2/NDF:114563.2/5

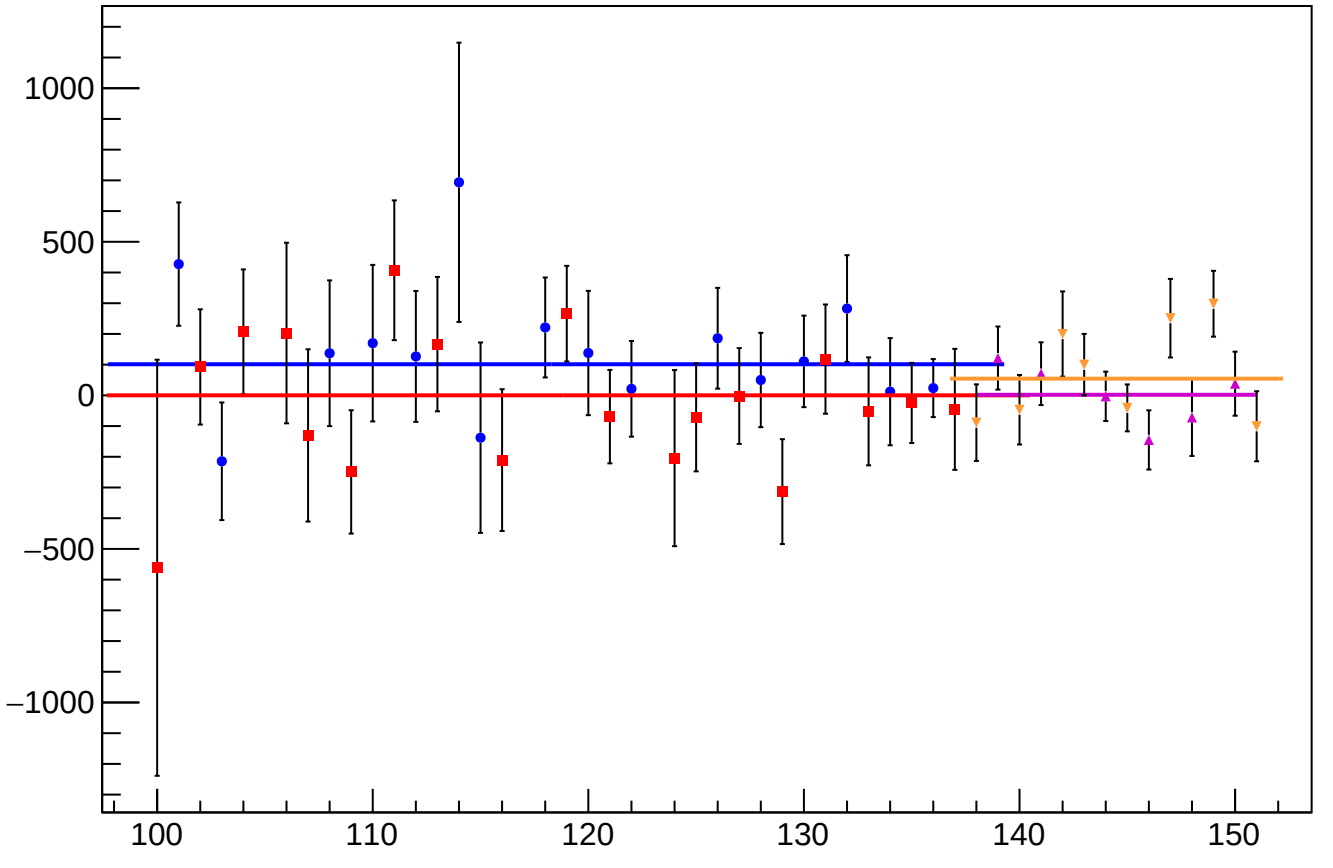
Left: 451.111+/-0.096 χ^2/NDF: 440181.5/13

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 536.423+/-0.113 χ^2/NDF:2145863.4/21

Out: 535.473+/-0.108 χ^2/NDF:2569790.6/26

All: 535.929+/-0.078 χ^2/NDF: 4715690.8/48



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 54.375+/-38.053 χ^2/NDF:14.4/7

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 1.835+/-40.539 χ^2/NDF:4.6/5

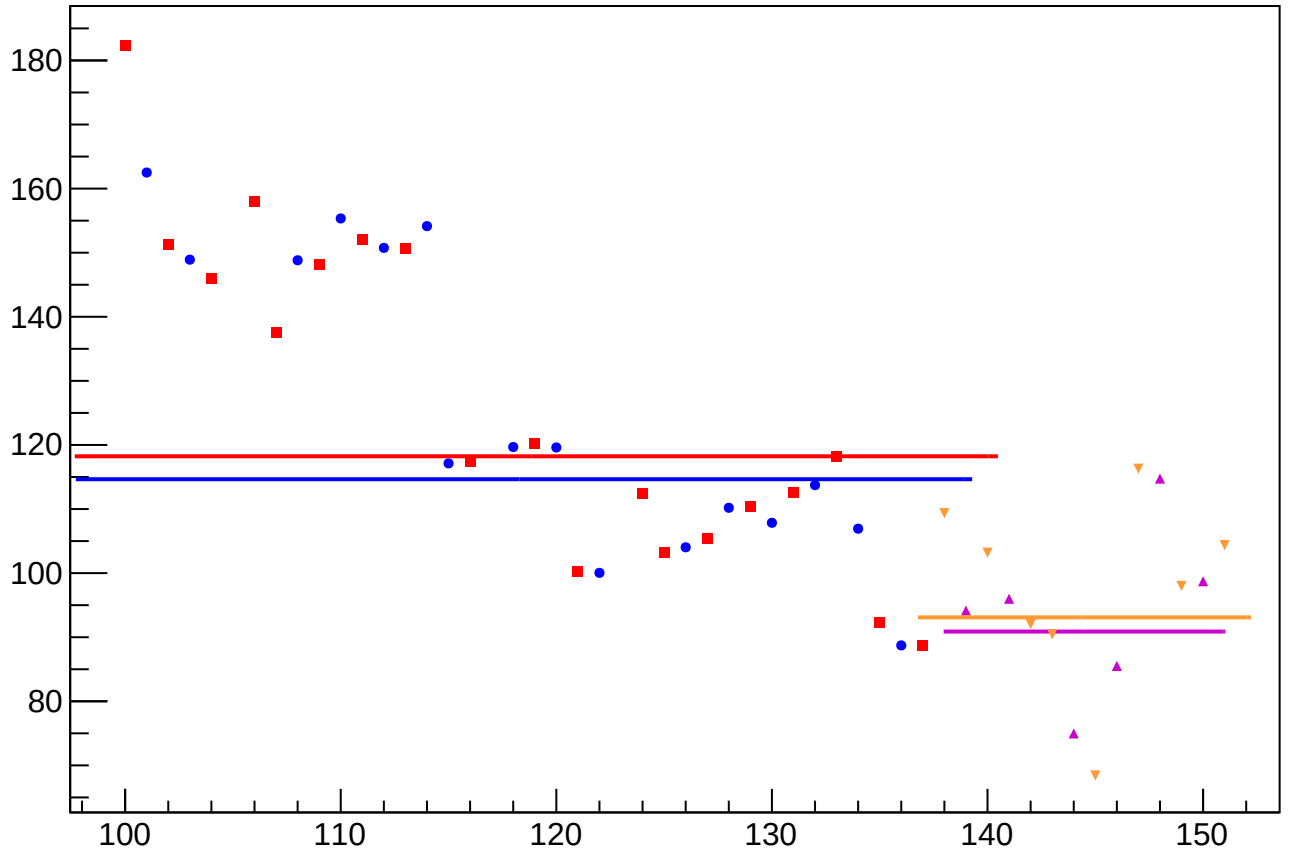
Left: 29.765+/-27.745 χ^2/NDF: 19.9/13

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 48.047+/-29.660 χ^2/NDF:18.4/21

Out: 31.182+/-28.792 χ^2/NDF:31.9/26

All: 39.364+/-20.659 χ^2/NDF: 50.4/48



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 93.098+/-0.027 χ^2/NDF:349572.4/7

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 90.881+/-0.029 χ^2/NDF:175270.0/5

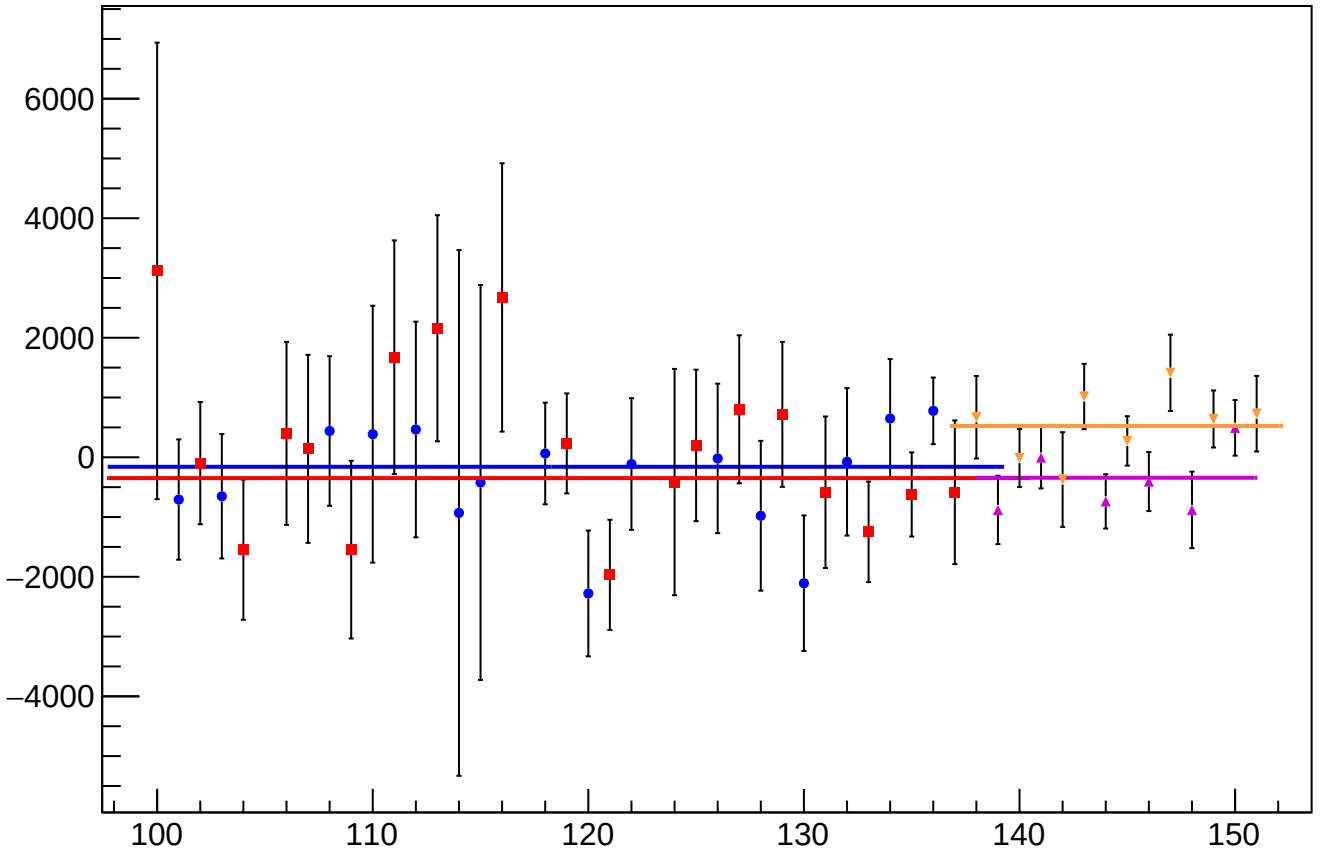
Left: 92.059+/-0.020 χ^2/NDF: 528021.9/13

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.929+/-0.021 χ^2/NDF:1026875.6/21

Out: 103.843+/-0.020 χ^2/NDF:1205949.4/26

All: 102.914+/-0.015 χ^2/NDF: 2237112.8/48



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 524.093+/-194.460 χ^2/NDF:5.8/7

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -342.764+/-209.332 χ^2/NDF:6.0/5

Left: 122.548+/-142.472 χ^2/NDF: 21.1/13

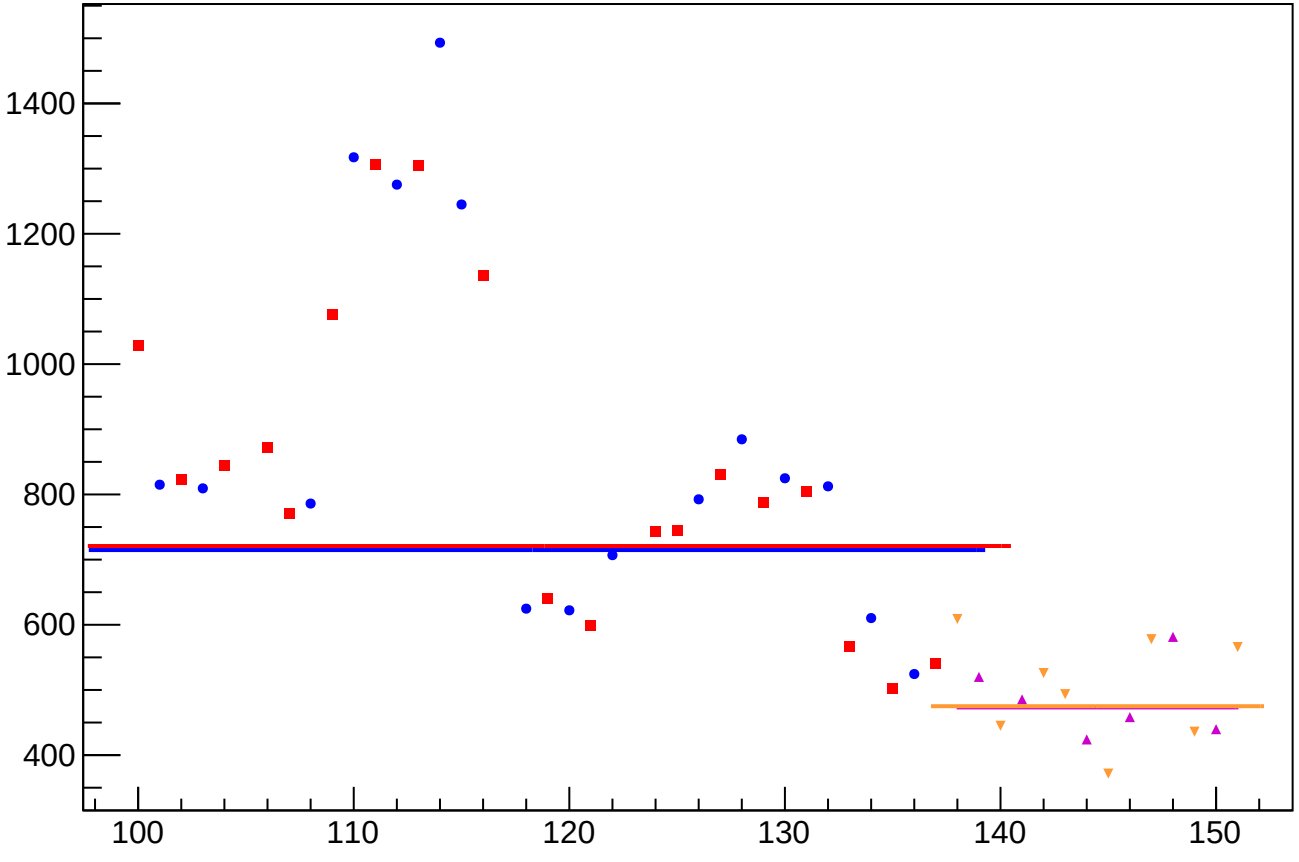
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -275.251+/-166.467 χ^2/NDF:18.3/21

Out: 231.219+/-158.503 χ^2/NDF:26.9/26

All: -9.611+/-114.790 χ^2/NDF: 50.0/48

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 475.038+/-0.138 χ^2/NDF:324662.6/7

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 473.200+/-0.148 χ^2/NDF:107270.5/5

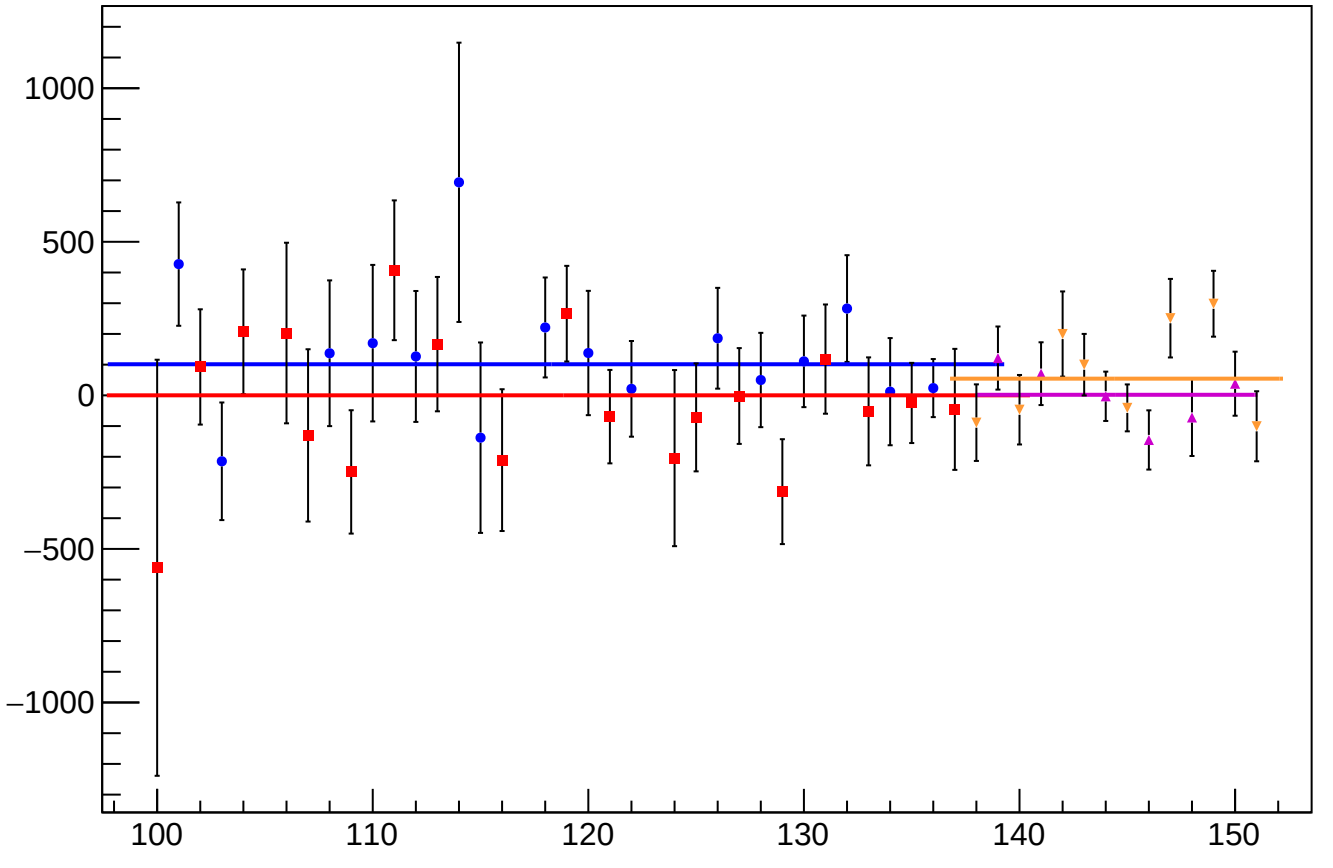
Left: 474.187+/-0.101 χ^2/NDF: 432016.0/13

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 561.966+/-0.118 χ^2/NDF:1961760.0/21

Out: 557.551+/-0.112 χ^2/NDF:2415982.6/26

All: 559.650+/-0.081 χ^2/NDF: 4378480.4/48



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 54.374+/-38.053 χ^2/NDF:14.4/7

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 1.834+/-40.539 χ^2/NDF:4.6/5

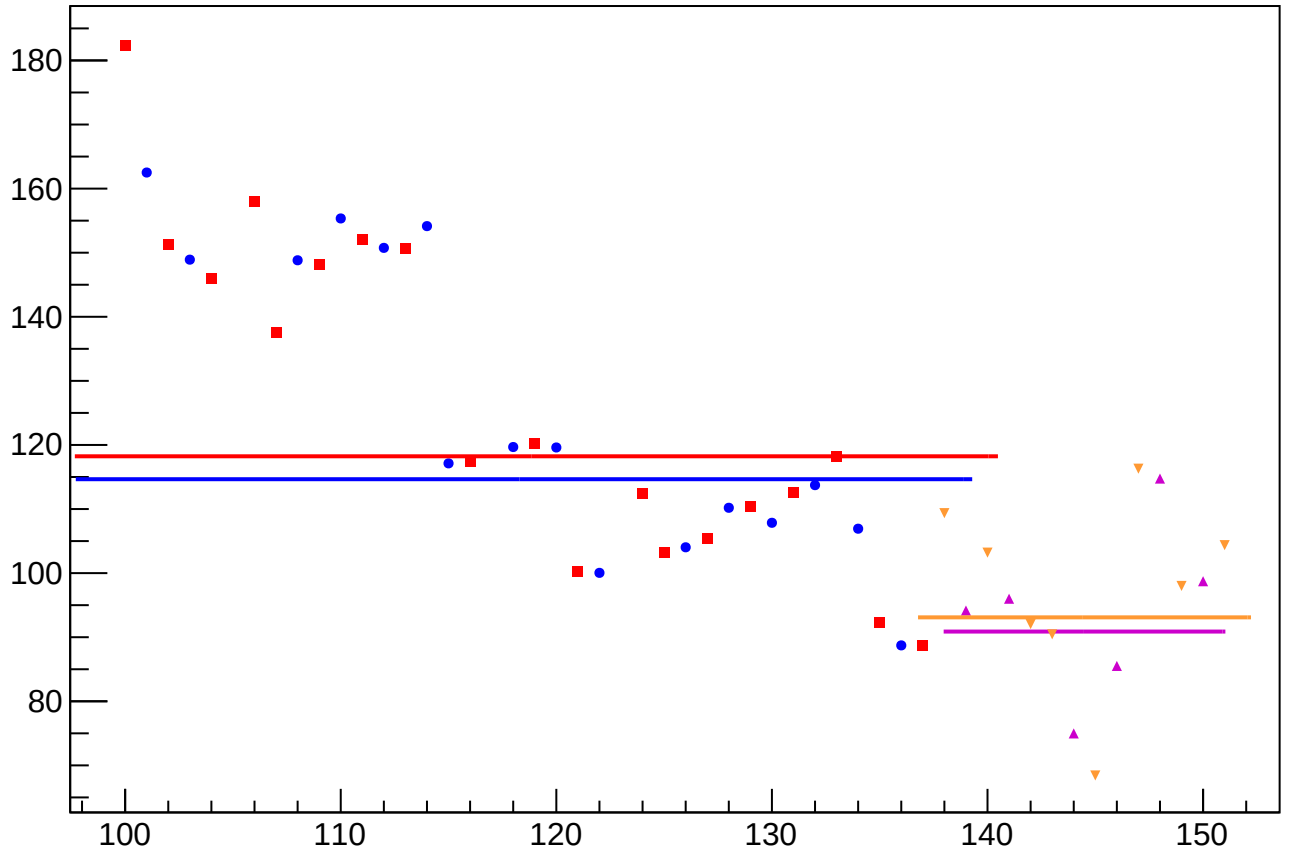
Left: 29.764+/-27.745 χ^2/NDF: 19.9/13

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 48.046+/-29.660 χ^2/NDF:18.4/21

Out: 31.182+/-28.792 χ^2/NDF:31.9/26

All: 39.363+/-20.659 χ^2/NDF: 50.4/48



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 93.098+/-0.027 χ^2/NDF:349578.5/7

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 90.881+/-0.029 χ^2/NDF:175271.5/5

Left: 92.060+/-0.020 χ^2/NDF: 528029.5/13

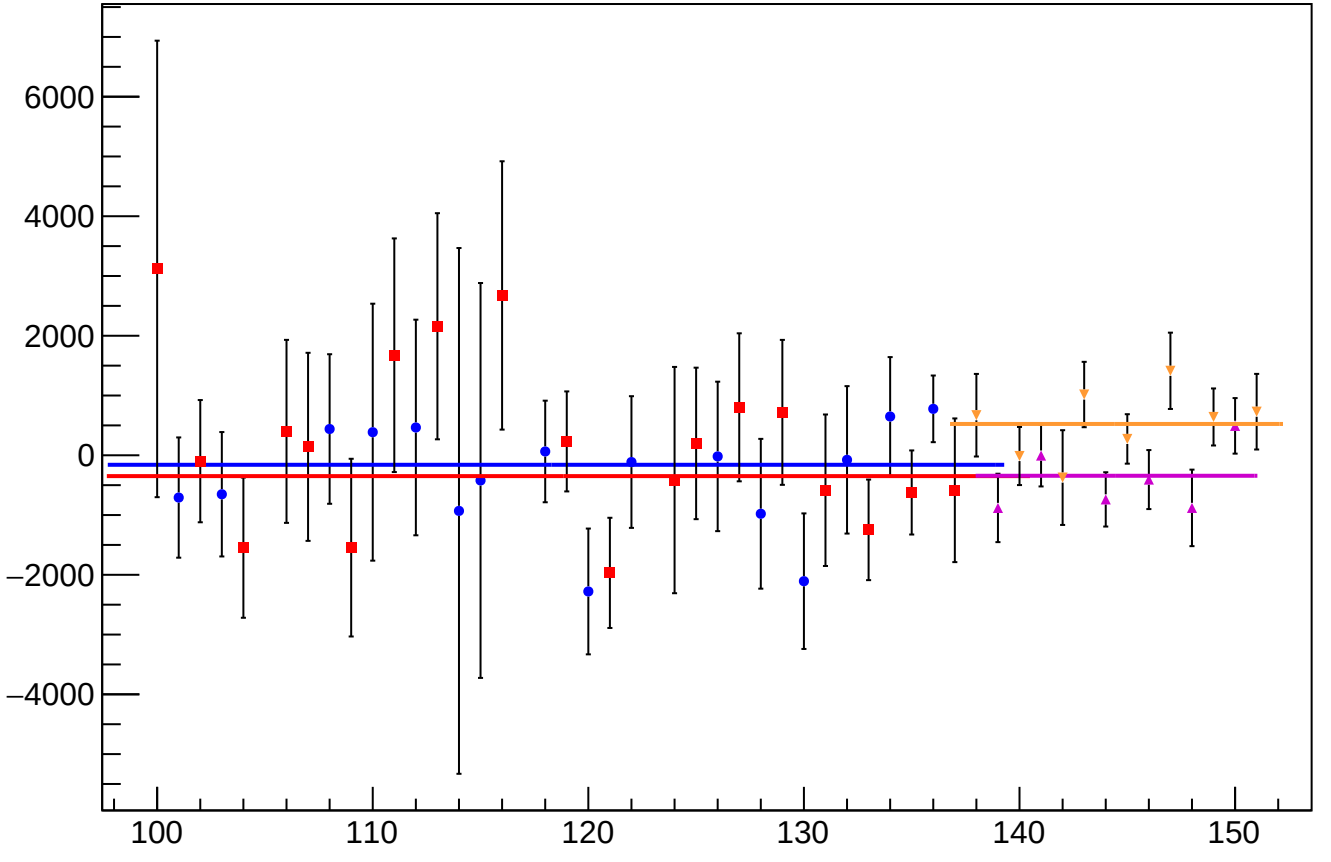
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.929+/-0.021 χ^2/NDF:1026864.9/21

Out: 103.843+/-0.020 χ^2/NDF:1205947.6/26

All: 102.914+/-0.015 χ^2/NDF: 2237099.7/48

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: 524.092+/-194.460 χ^2/NDF:5.8/7

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -342.764+/-209.332 χ^2/NDF:6.0/5

Left: 122.548+/-142.472 χ^2/NDF: 21.1/13

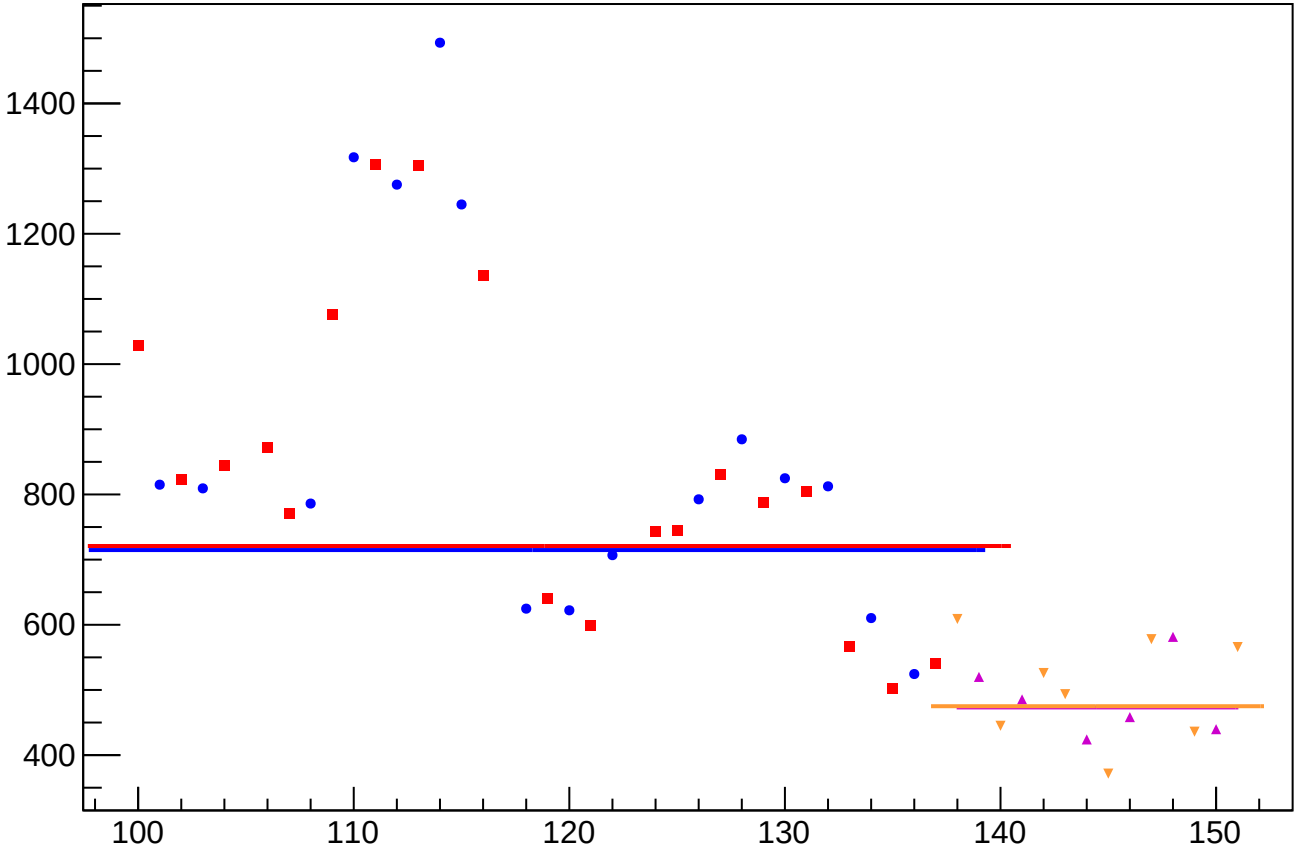
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -275.252+/-166.467 χ^2/NDF:18.3/21

Out: 231.218+/-158.503 χ^2/NDF:26.9/26

All: -9.612+/-114.791 χ^2/NDF: 50.0/48

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: 475.039+/-0.138 χ^2/NDF:324667.1/7

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 473.201+/-0.148 χ^2/NDF:107271.4/5

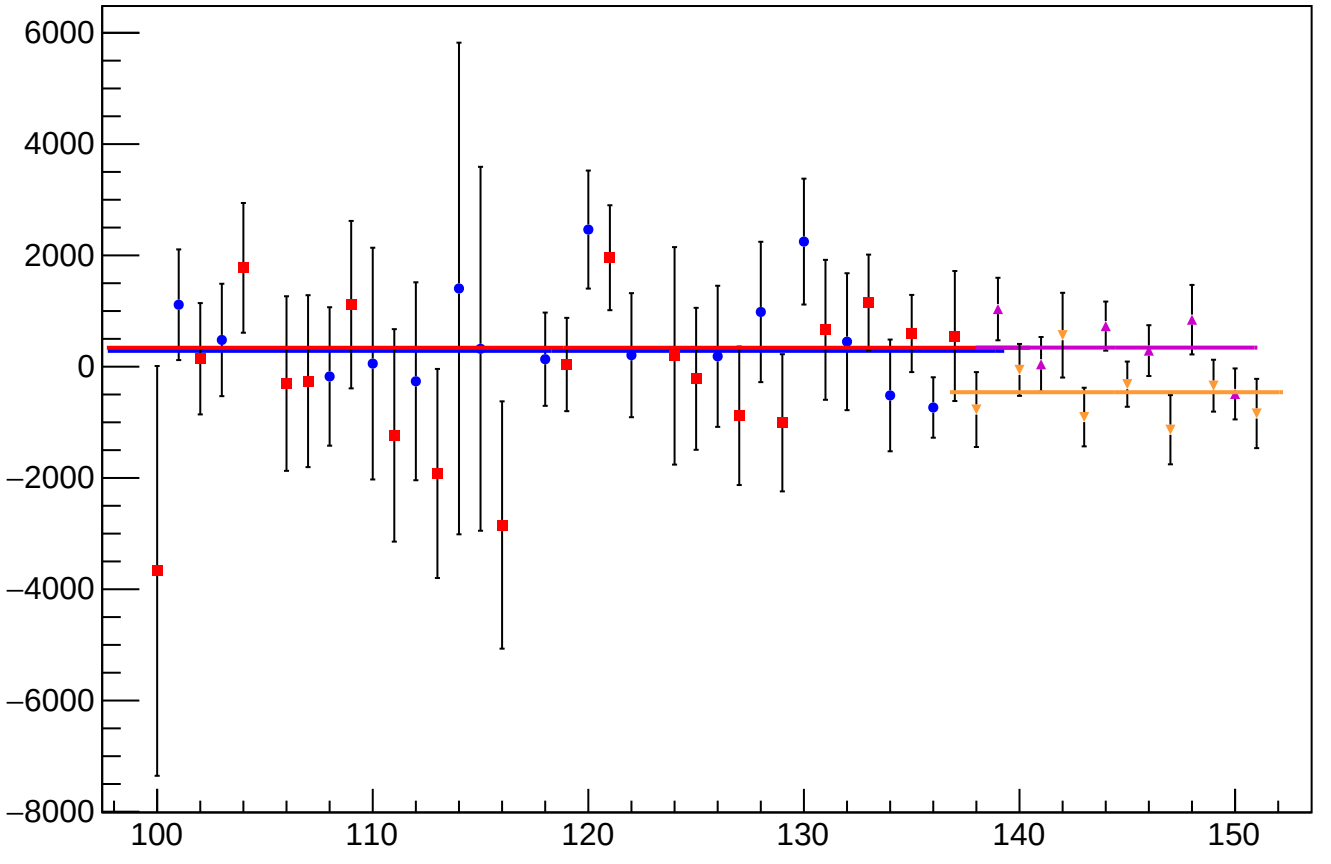
Left: 474.187+/-0.101 χ^2/NDF: 432021.3/13

Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 561.966+/-0.118 χ^2/NDF:1961750.8/21

Out: 557.551+/-0.112 χ^2/NDF:2415976.7/26

All: 559.650+/-0.081 χ^2/NDF: 4378465.4/48



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -458.769+/-189.127 χ^2/NDF:5.2/7

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 342.714+/-201.638 χ^2/NDF:6.6/5

Left: -83.662+/-137.944 χ^2/NDF: 20.3/13

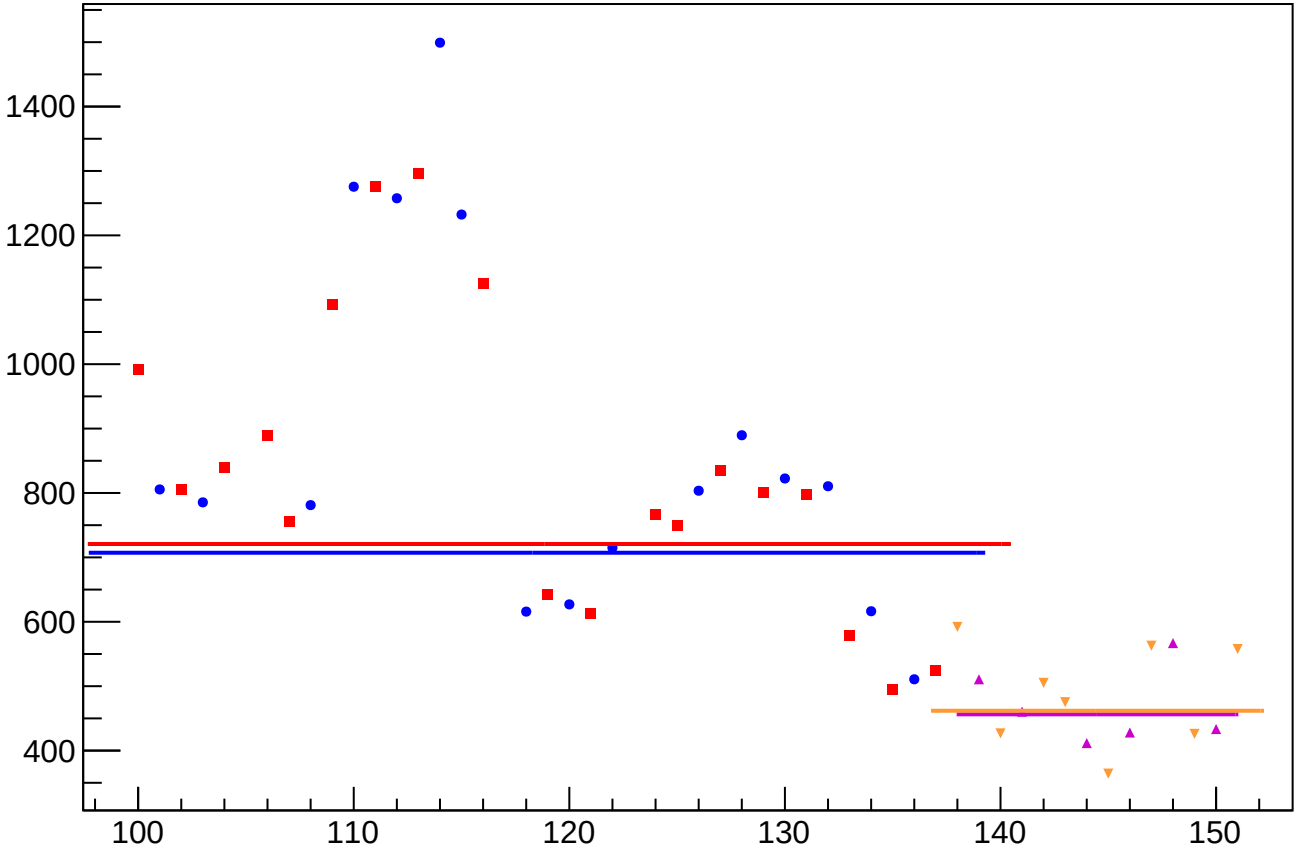
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 322.162+/-161.971 χ^2/NDF:19.4/21

Out: -200.498+/-155.575 χ^2/NDF:25.1/26

All: 50.310+/-112.201 χ^2/NDF: 49.9/48

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 461.872+/-0.134 χ^2/NDF:321347.4/7

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 456.303+/-0.143 χ^2/NDF:114704.3/5

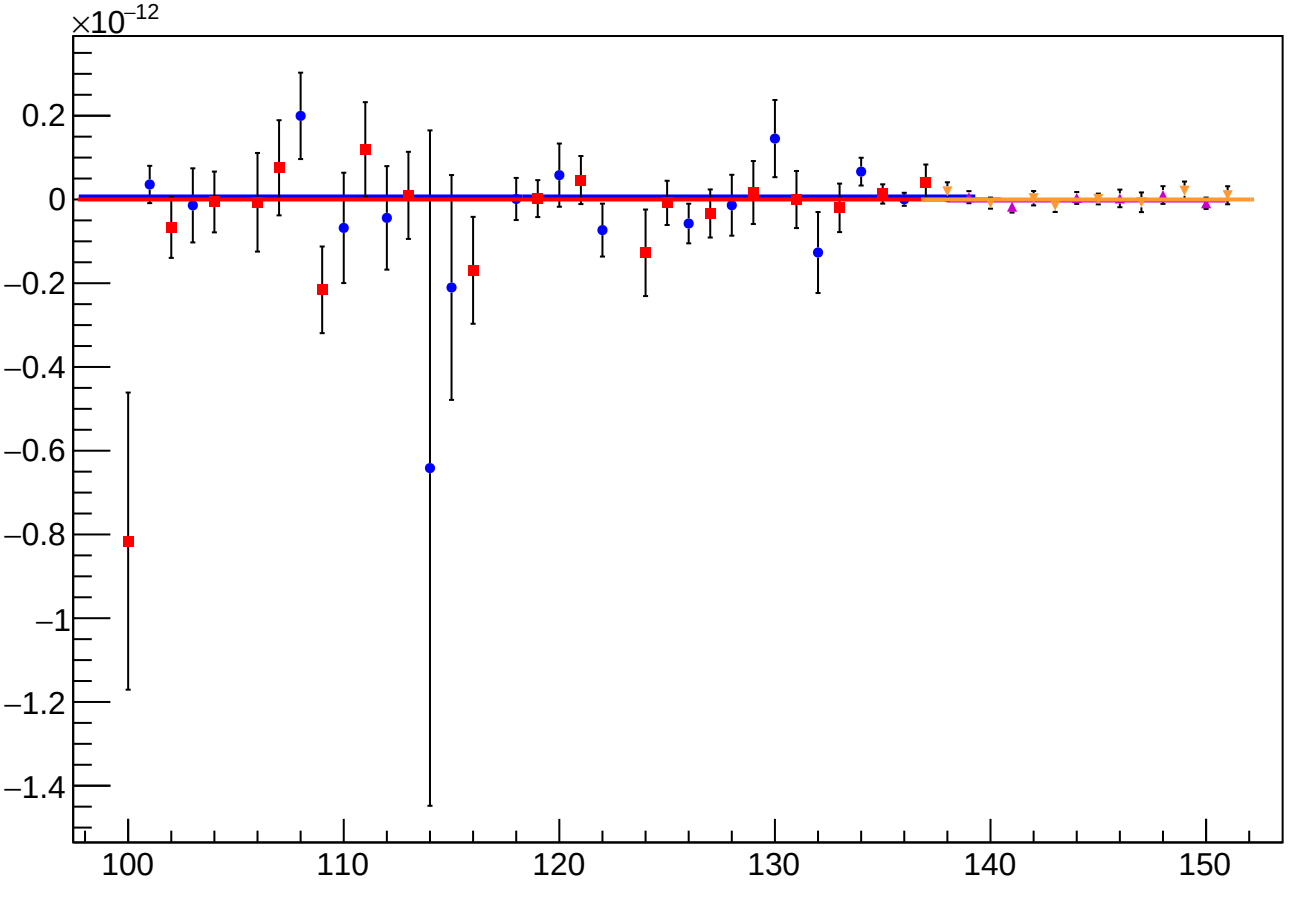
Left: 459.266+/-0.098 χ^2/NDF: 436863.1/13

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 545.311+/-0.115 χ^2/NDF:2109957.6/21

Out: 545.584+/-0.110 χ^2/NDF:2548493.2/26

All: 545.453+/-0.079 χ^2/NDF: 4658453.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/5

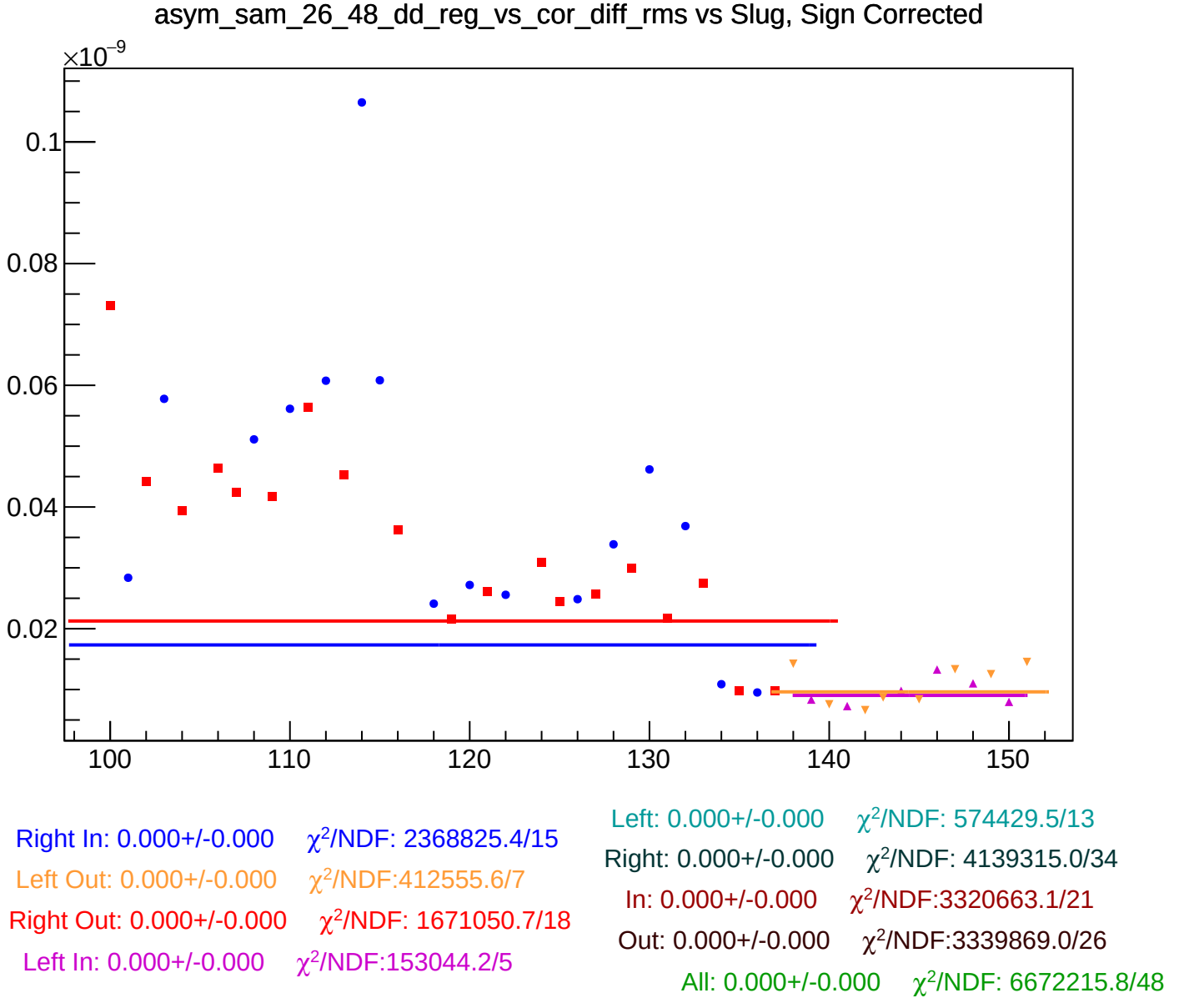
Left: -0.000+/-0.000 χ^2/NDF: 5.7/13

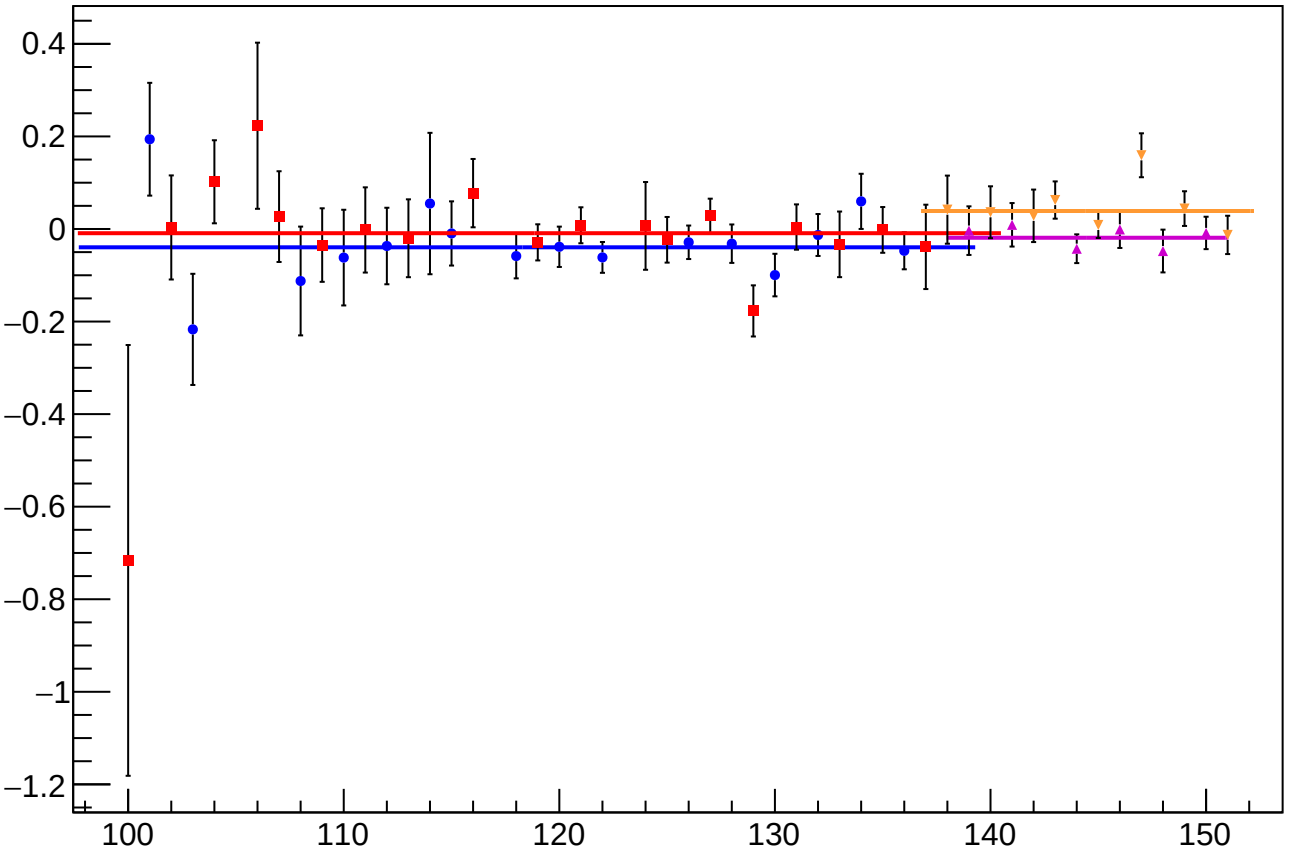
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:20.1/21

Out: -0.000+/-0.000 χ^2/NDF:21.2/26

All: -0.000+/-0.000 χ^2/NDF: 41.3/48


asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2368825.4/15
Left Out: 0.000+/-0.000 χ²/NDF:412555.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 1671050.7/18
Left In: 0.000+/-0.000 χ²/NDF:153044.2/5
Left: 0.000+/-0.000 χ²/NDF: 574429.5/13
Right: 0.000+/-0.000 χ²/NDF: 4139315.0/34
In: 0.000+/-0.000 χ²/NDF:3320663.1/21
Out: 0.000+/-0.000 χ²/NDF:3339869.0/26
All: 0.000+/-0.000 χ²/NDF: 6672215.8/48



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.015 χ^2/NDF:9.5/7

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.019+/-0.016 χ^2/NDF:1.7/5

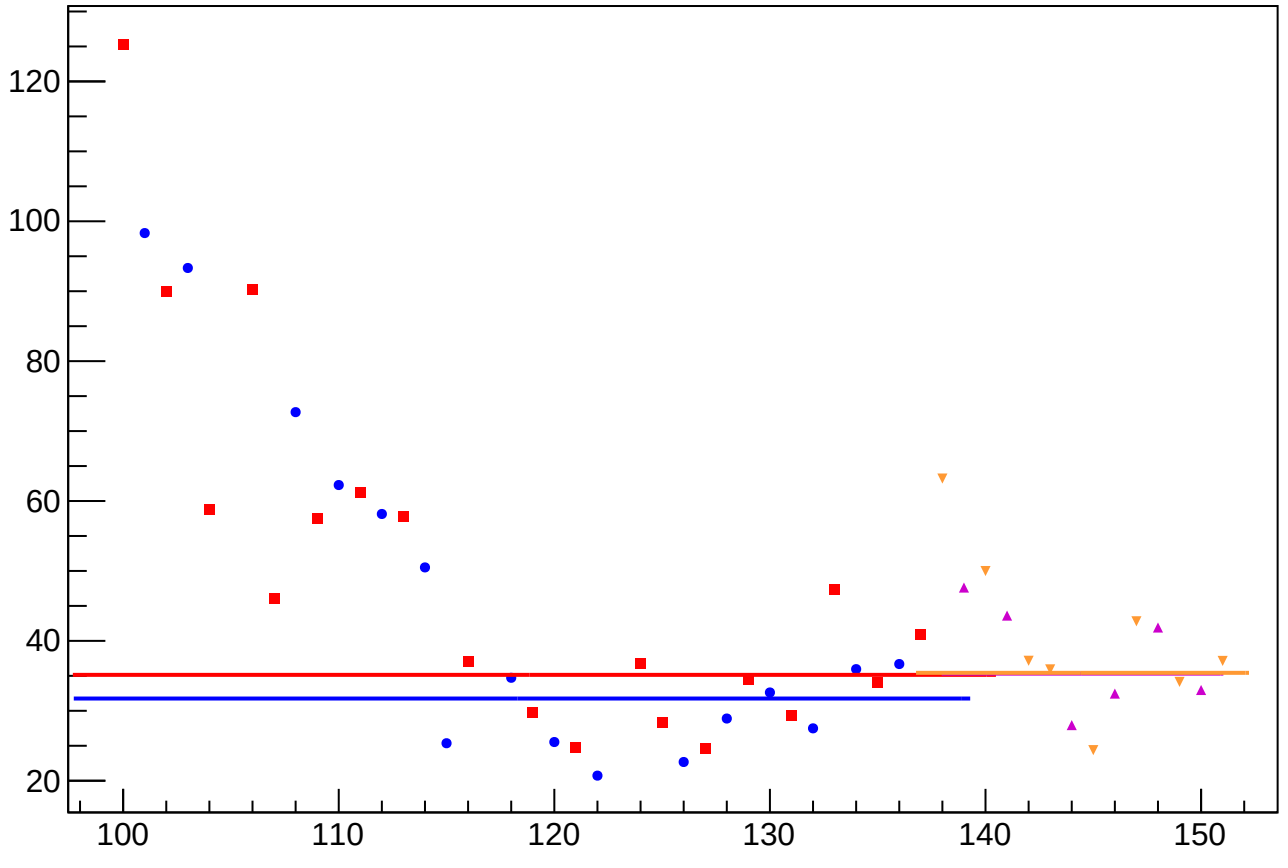
Left: 0.012+/-0.011 χ^2/NDF: 18.0/13

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:15.1/21

Out: 0.013+/-0.010 χ^2/NDF:33.2/26

All: -0.009+/-0.007 χ^2/NDF: 57.9/48



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.430+/-0.011 χ^2/NDF:784377.3/7

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.316+/-0.012 χ^2/NDF:344287.6/5

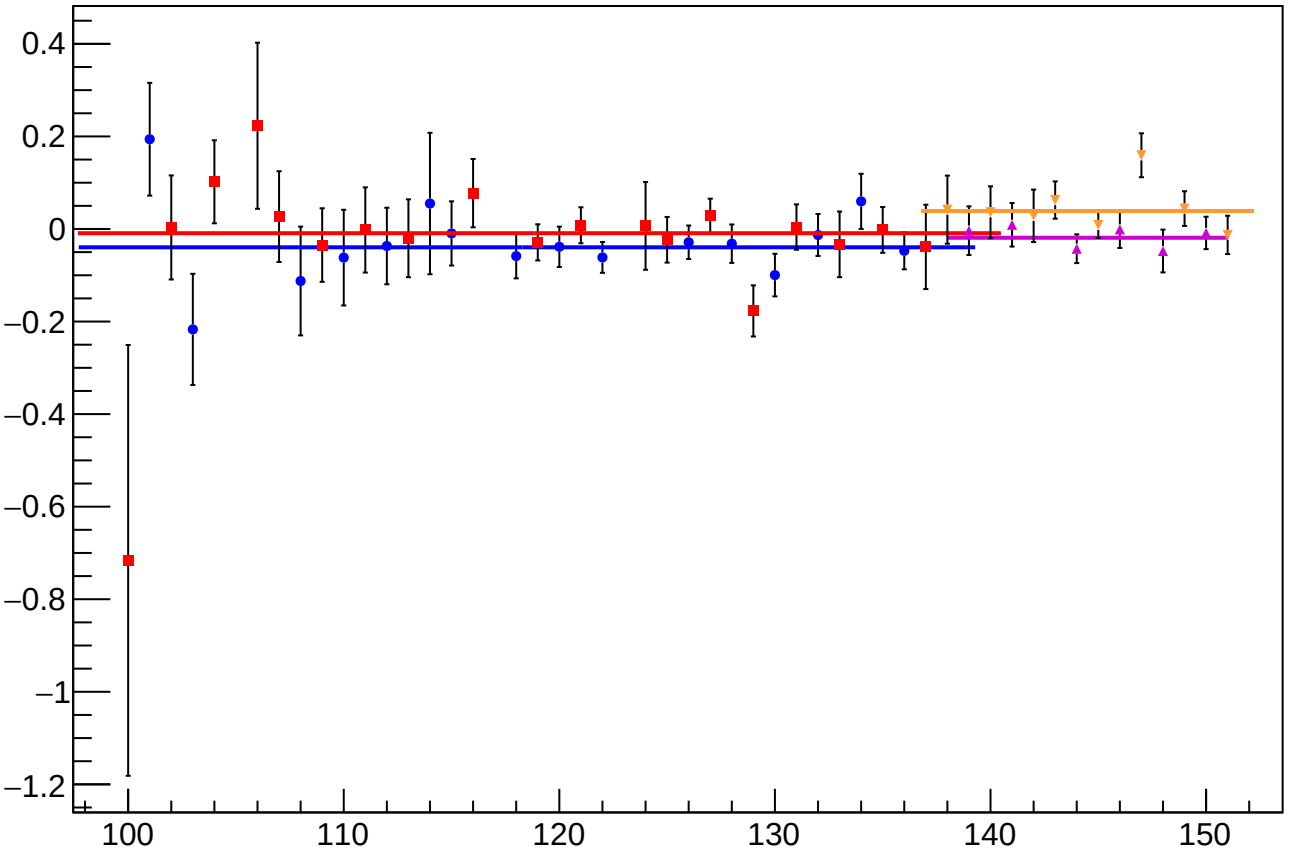
Left: 35.378+/-0.008 χ^2/NDF: 1128717.7/13

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.159+/-0.007 χ^2/NDF:2654394.9/21

Out: 35.276+/-0.007 χ^2/NDF:2629449.7/26

All: 34.211+/-0.005 χ^2/NDF: 5326293.5/48



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.015 χ^2/NDF:9.5/7

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.019+/-0.016 χ^2/NDF:1.7/5

Left: 0.012+/-0.011 χ^2/NDF: 18.0/13

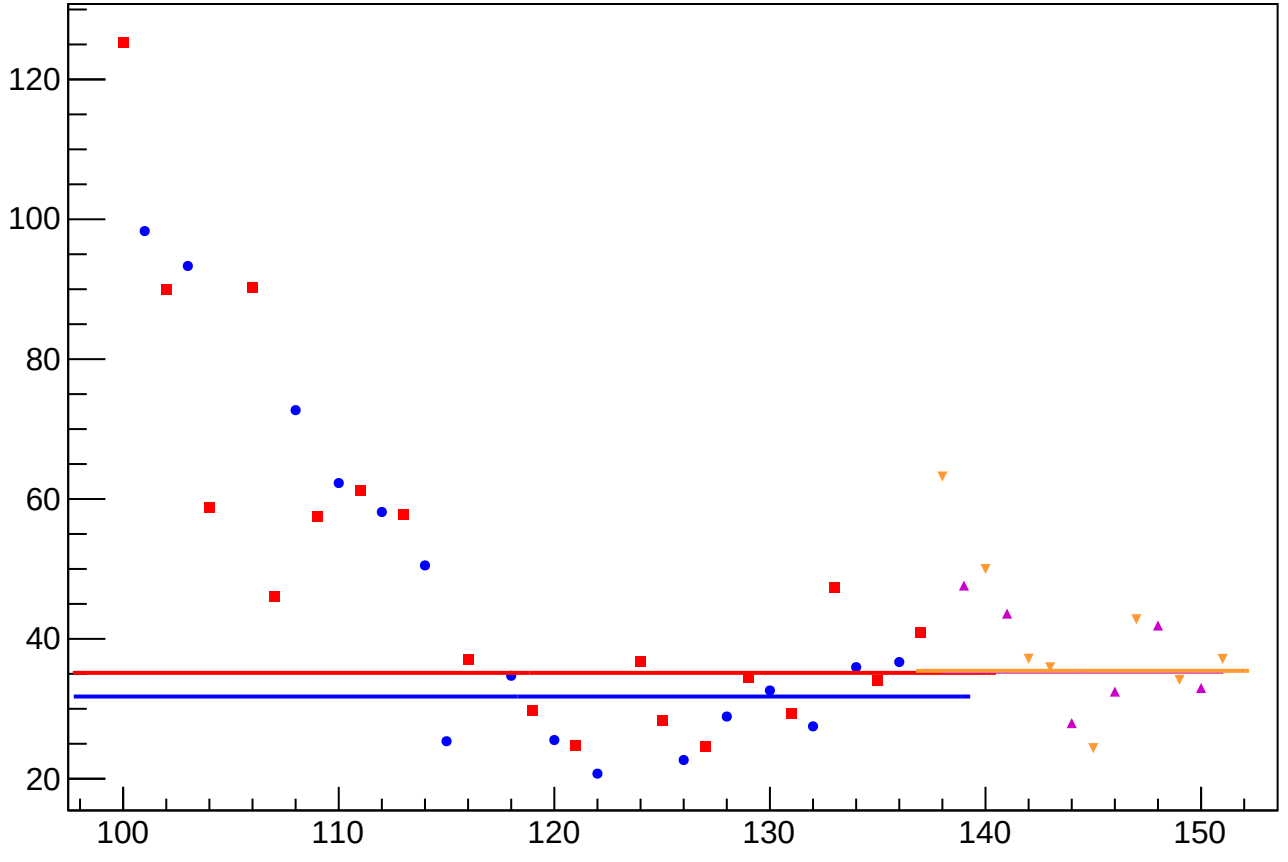
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:15.1/21

Out: 0.013+/-0.010 χ^2/NDF:33.2/26

All: -0.009+/-0.007 χ^2/NDF: 57.9/48

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: 35.430+/-0.011 χ^2/NDF:784377.3/7

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.316+/-0.012 χ^2/NDF:344287.6/5

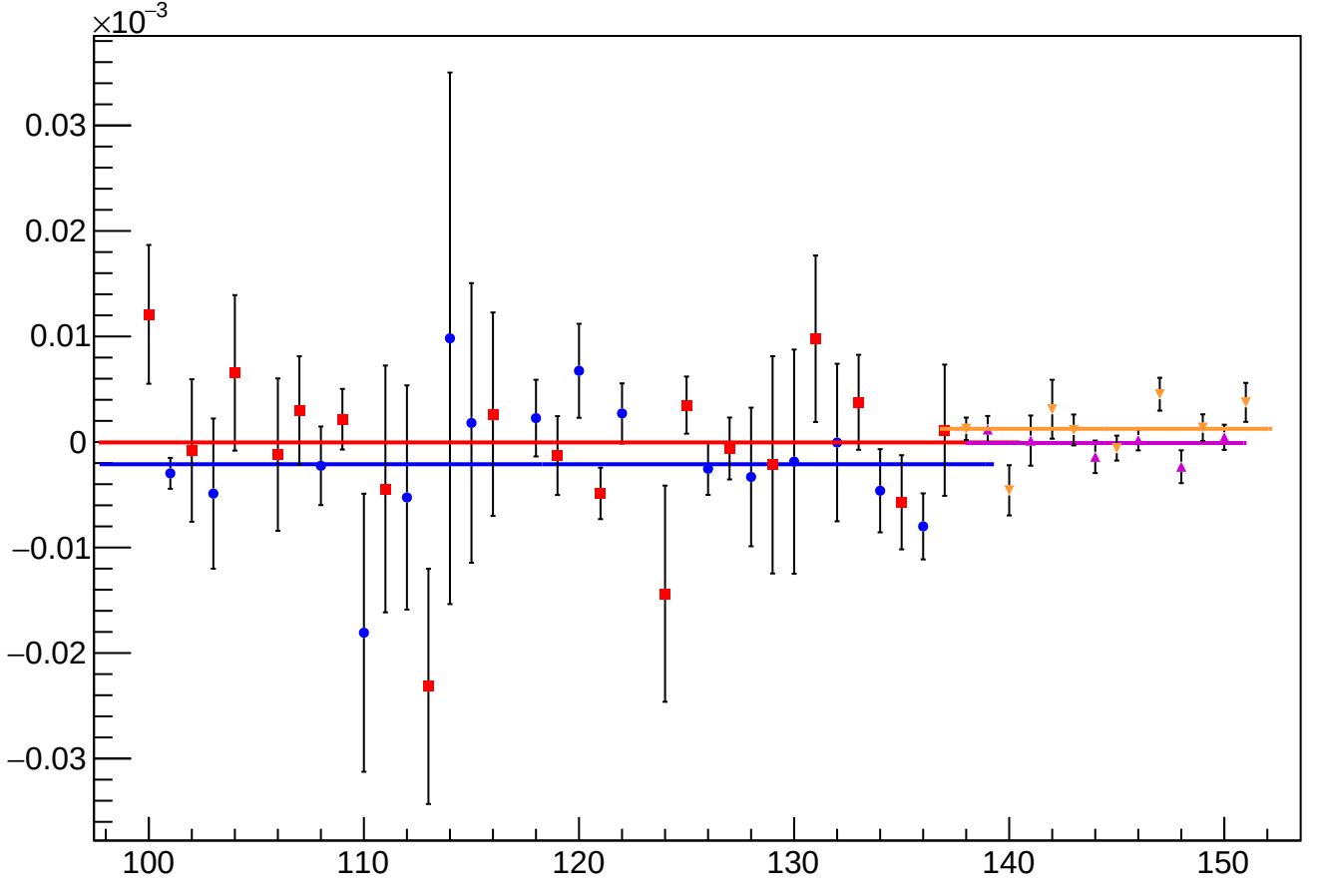
Left: 35.378+/-0.008 χ^2/NDF: 1128717.7/13

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.159+/-0.007 χ^2/NDF:2654394.9/21

Out: 35.276+/-0.007 χ^2/NDF:2629449.7/26

All: 34.211+/-0.005 χ^2/NDF: 5326293.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/5

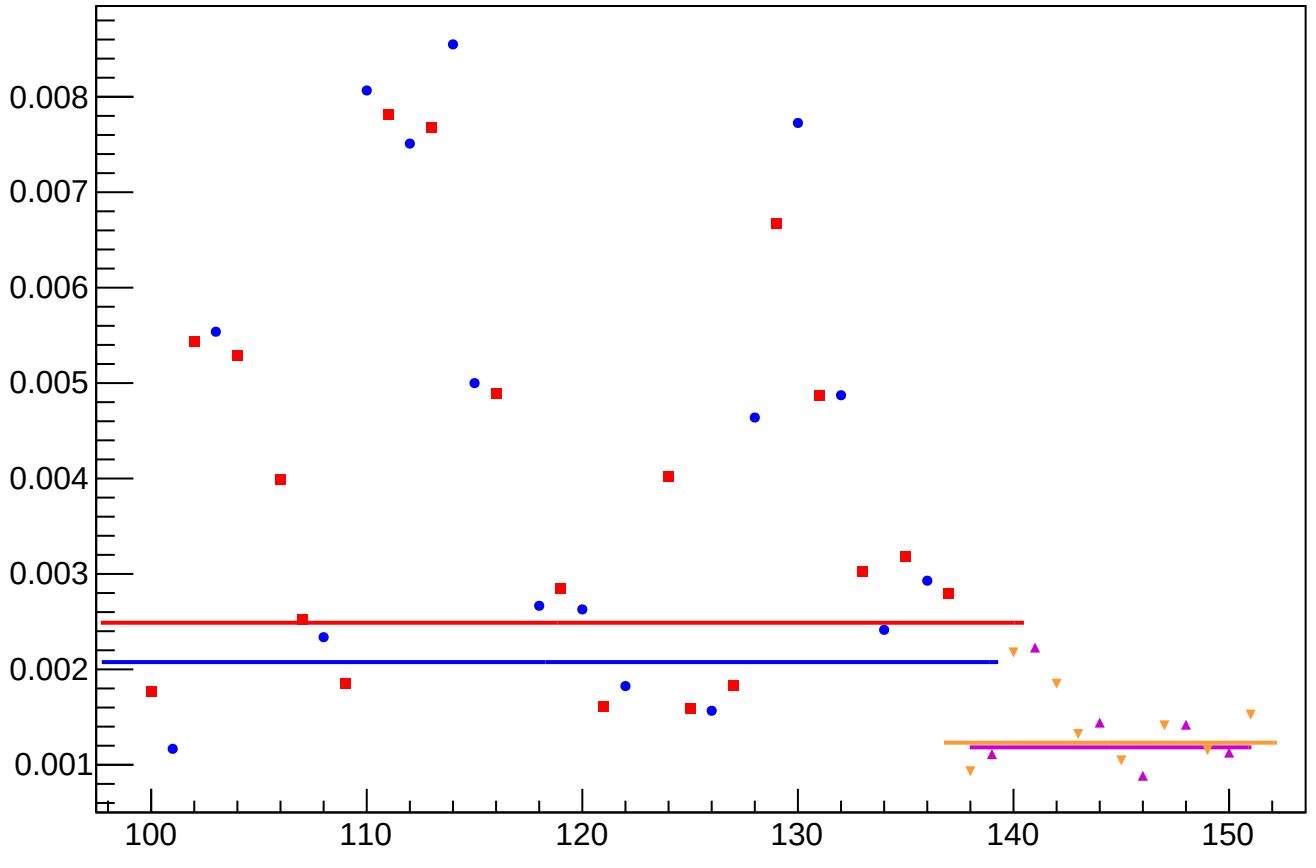
Left: 0.000+/-0.000 χ^2/NDF: 22.4/13

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:22.4/21

Out: 0.000+/-0.000 χ^2/NDF:37.8/26

All: 0.000+/-0.000 χ^2/NDF: 66.2/48



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:715939.8/7

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:686289.8/5

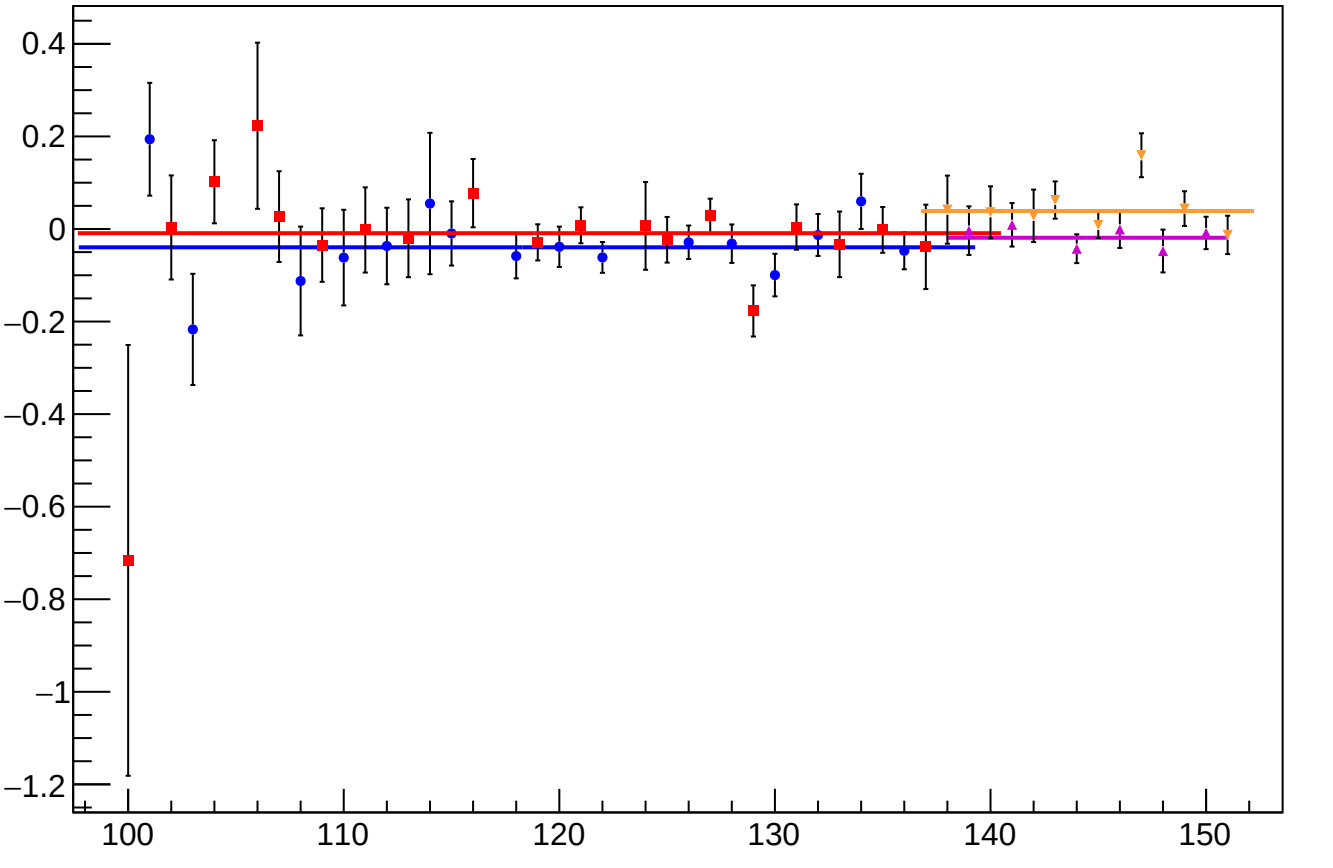
Left: 0.001+/-0.000 χ^2/NDF: 1410602.6/13

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:6022747.1/21

Out: 0.001+/-0.000 χ^2/NDF:6139813.7/26

All: 0.001+/-0.000 χ^2/NDF: 12180514.5/48



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.015 χ^2/NDF:9.5/7

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.019+/-0.016 χ^2/NDF:1.7/5

Left: 0.012+/-0.011 χ^2/NDF: 18.0/13

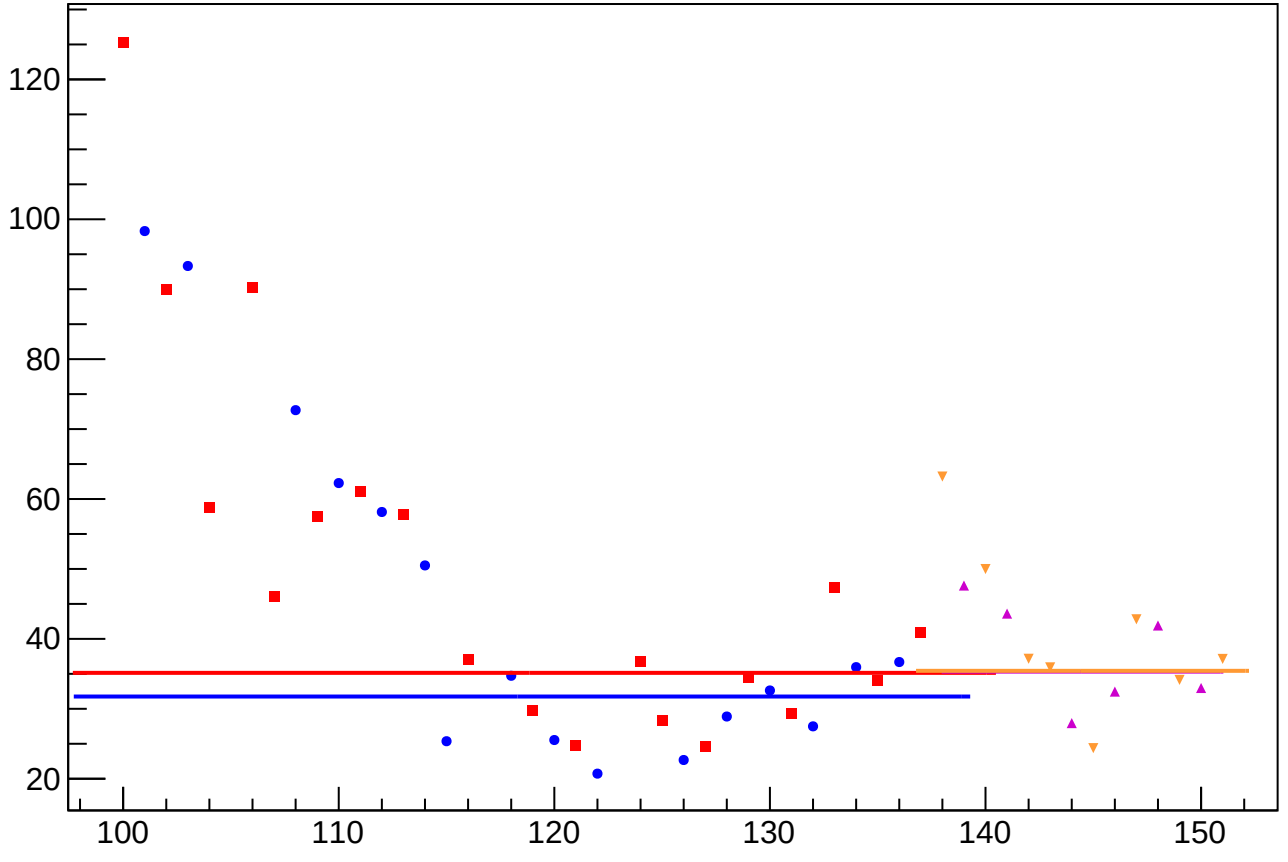
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:15.1/21

Out: 0.013+/-0.010 χ^2/NDF:33.2/26

All: -0.009+/-0.007 χ^2/NDF: 57.9/48

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.430+/-0.011 χ^2/NDF:784428.2/7

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.316+/-0.012 χ^2/NDF:344301.0/5

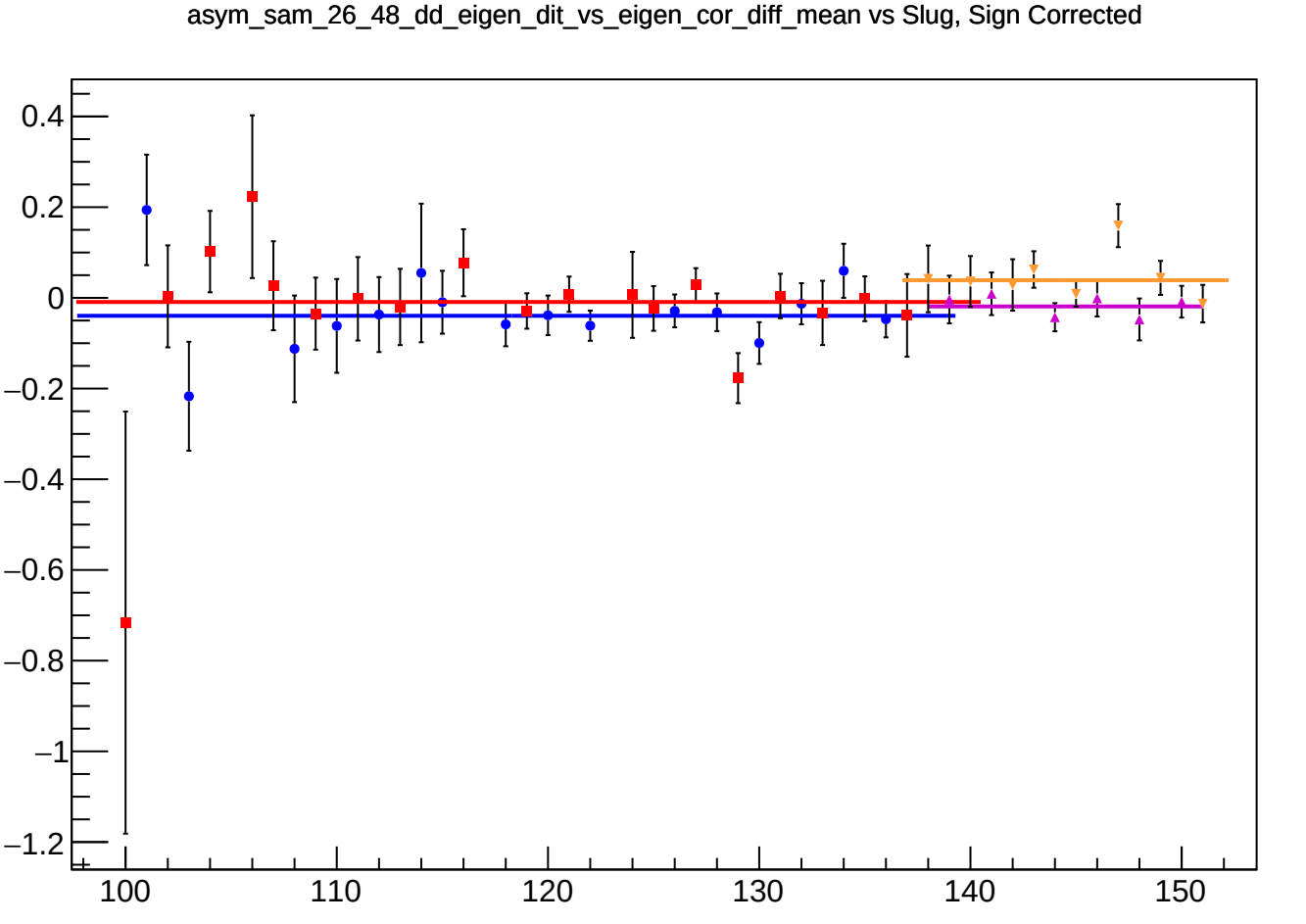
Left: 35.378+/-0.008 χ^2/NDF: 1128781.9/13

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.160+/-0.007 χ^2/NDF:2654376.3/21

Out: 35.277+/-0.007 χ^2/NDF:2629395.6/26

All: 34.212+/-0.005 χ^2/NDF: 5326219.4/48



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.015 χ^2/NDF:9.5/7

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.019+/-0.016 χ^2/NDF:1.7/5

Left: 0.012+/-0.011 χ^2/NDF: 18.0/13

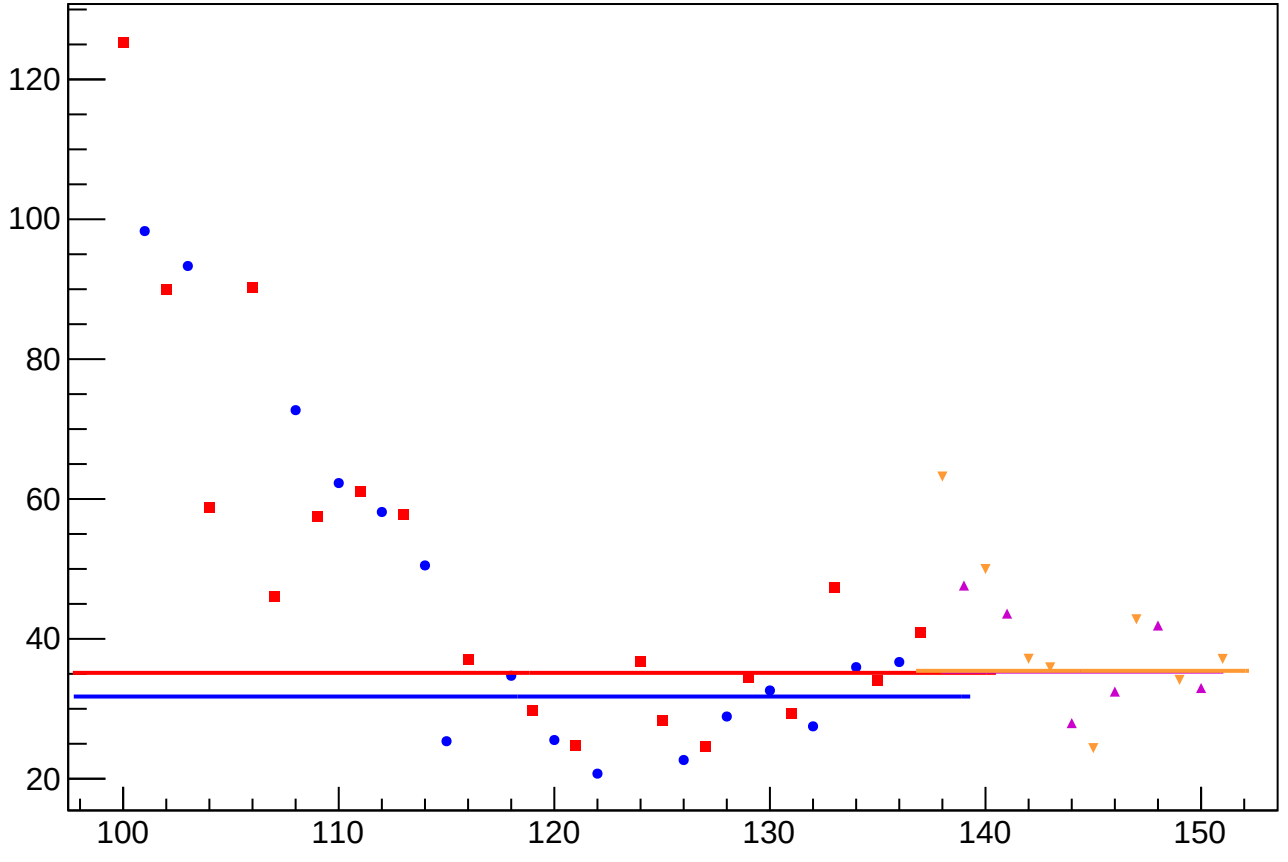
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:15.1/21

Out: 0.013+/-0.010 χ^2/NDF:33.2/26

All: -0.009+/-0.007 χ^2/NDF: 57.9/48

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: 35.430+/-0.011 χ^2/NDF:784428.2/7

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.316+/-0.012 χ^2/NDF:344301.0/5

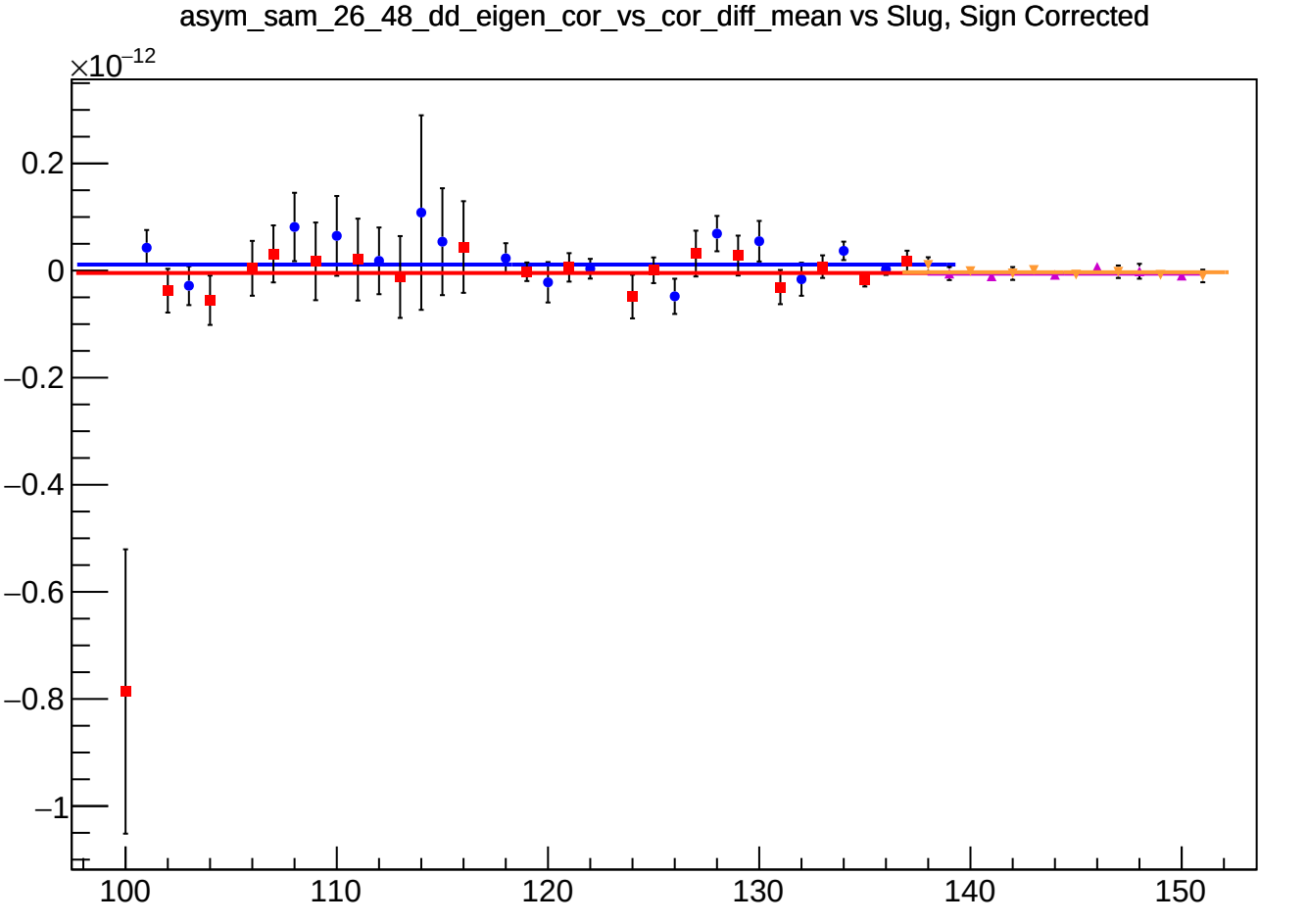
Left: 35.378+/-0.008 χ^2/NDF: 1128781.9/13

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.160+/-0.007 χ^2/NDF:2654376.3/21

Out: 35.277+/-0.007 χ^2/NDF:2629395.6/26

All: 34.212+/-0.005 χ^2/NDF: 5326219.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.6/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/5

Left: -0.000+/-0.000 χ^2/NDF: 5.8/13

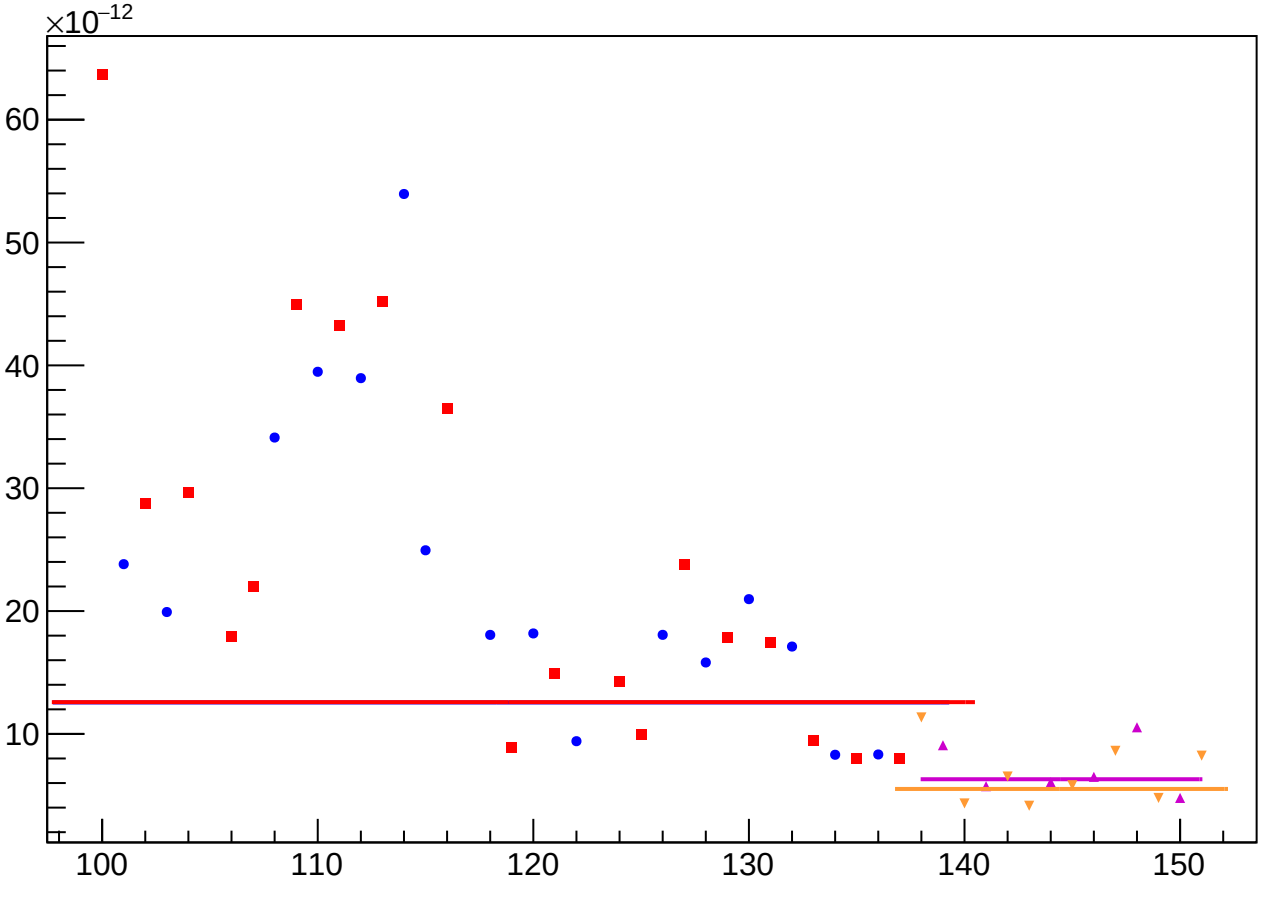
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:25.1/21

Out: -0.000+/-0.000 χ^2/NDF:20.1/26

All: -0.000+/-0.000 χ^2/NDF: 45.3/48

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:785111.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:388473.5/5

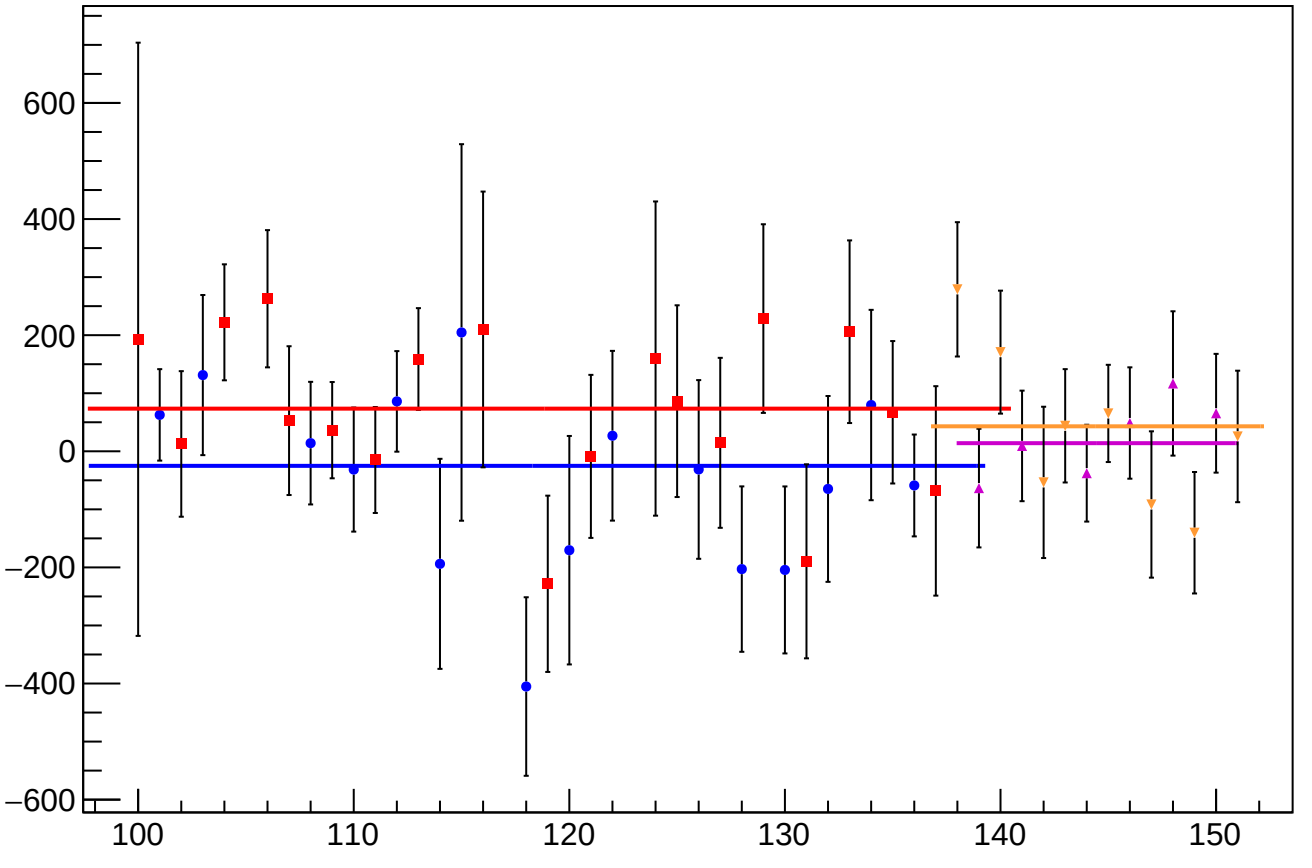
Left: 0.000+/-0.000 χ^2/NDF: 1232157.0/13

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:3994029.7/21

Out: 0.000+/-0.000 χ^2/NDF:5423376.1/26

All: 0.000+/-0.000 χ^2/NDF: 9560297.2/48



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.022+/-37.725 χ^2/NDF:10.5/7

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 13.990+/-40.198 χ^2/NDF:2.0/5

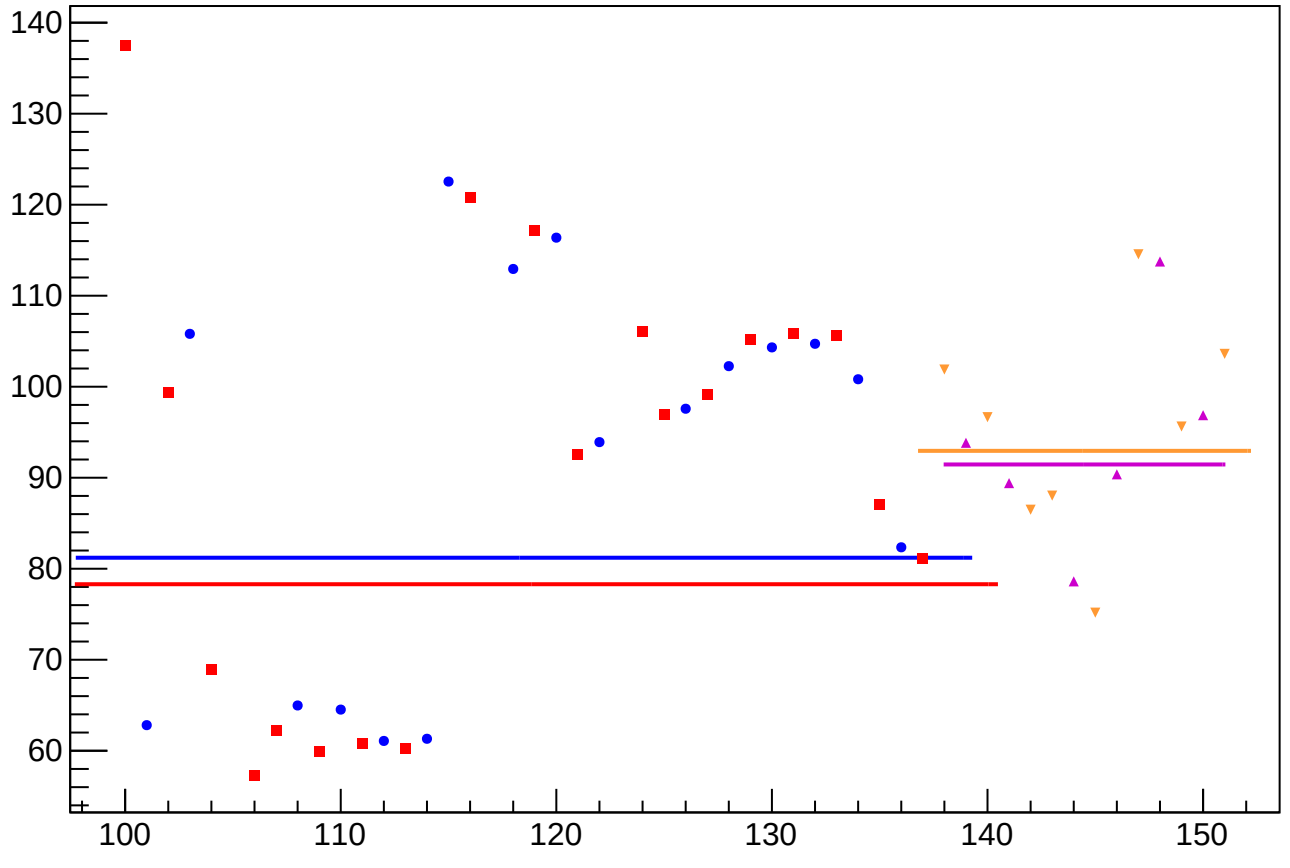
Left: 29.426+/-27.508 χ^2/NDF: 12.8/13

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -10.369+/-24.662 χ^2/NDF:18.8/21

Out: 61.698+/-23.449 χ^2/NDF:27.7/26

All: 27.479+/-16.994 χ^2/NDF: 51.0/48



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 92.953+/-0.027 χ^2/NDF:192298.9/7

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 91.456+/-0.028 χ^2/NDF:119694.0/5

Left: 92.252+/-0.019 χ^2/NDF: 313466.5/13

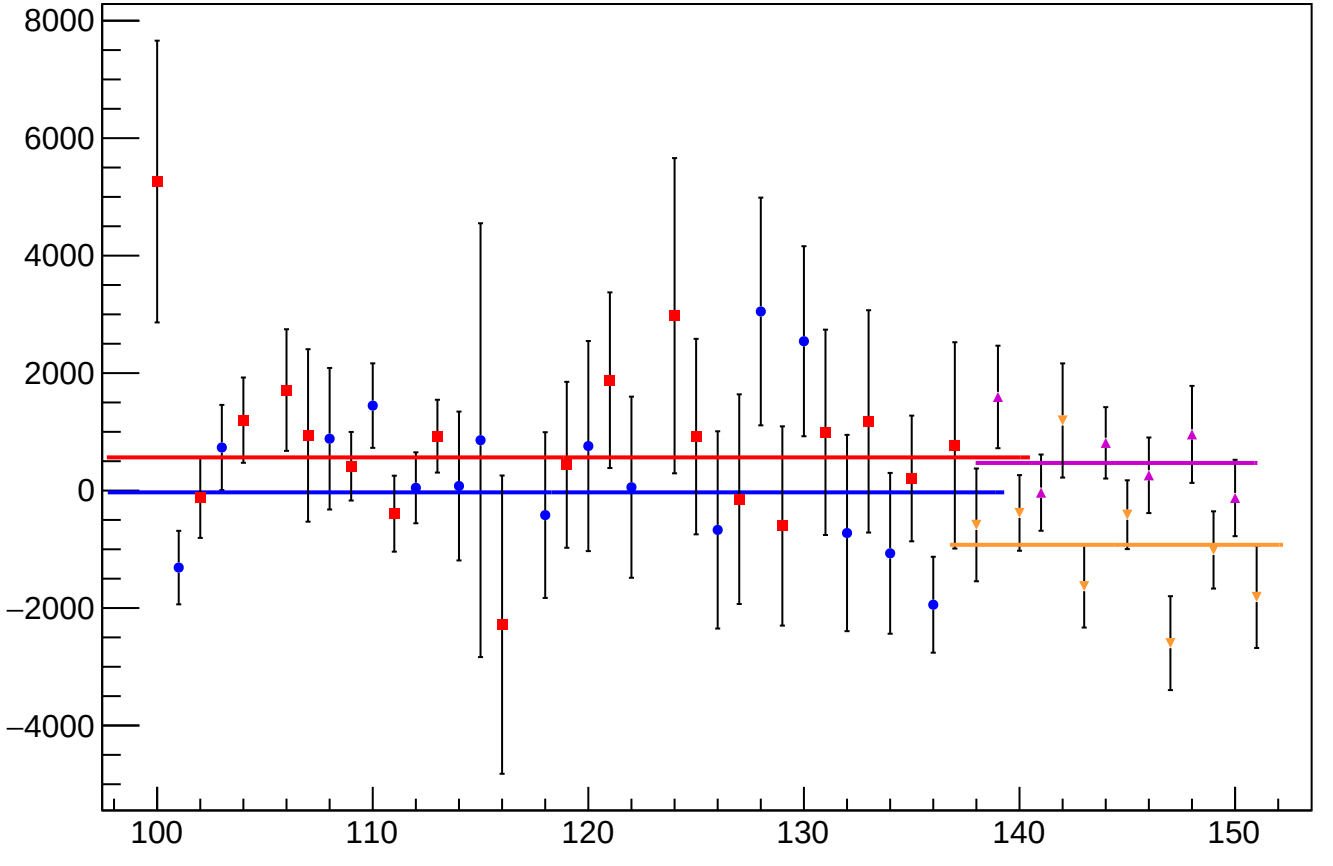
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 85.066+/-0.017 χ^2/NDF:988413.4/21

Out: 83.960+/-0.017 χ^2/NDF:1312173.1/26

All: 84.485+/-0.012 χ^2/NDF: 2302700.4/48

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -923.383+/-260.988 χ^2/NDF:12.8/7

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 470.122+/-281.287 χ^2/NDF:3.9/5

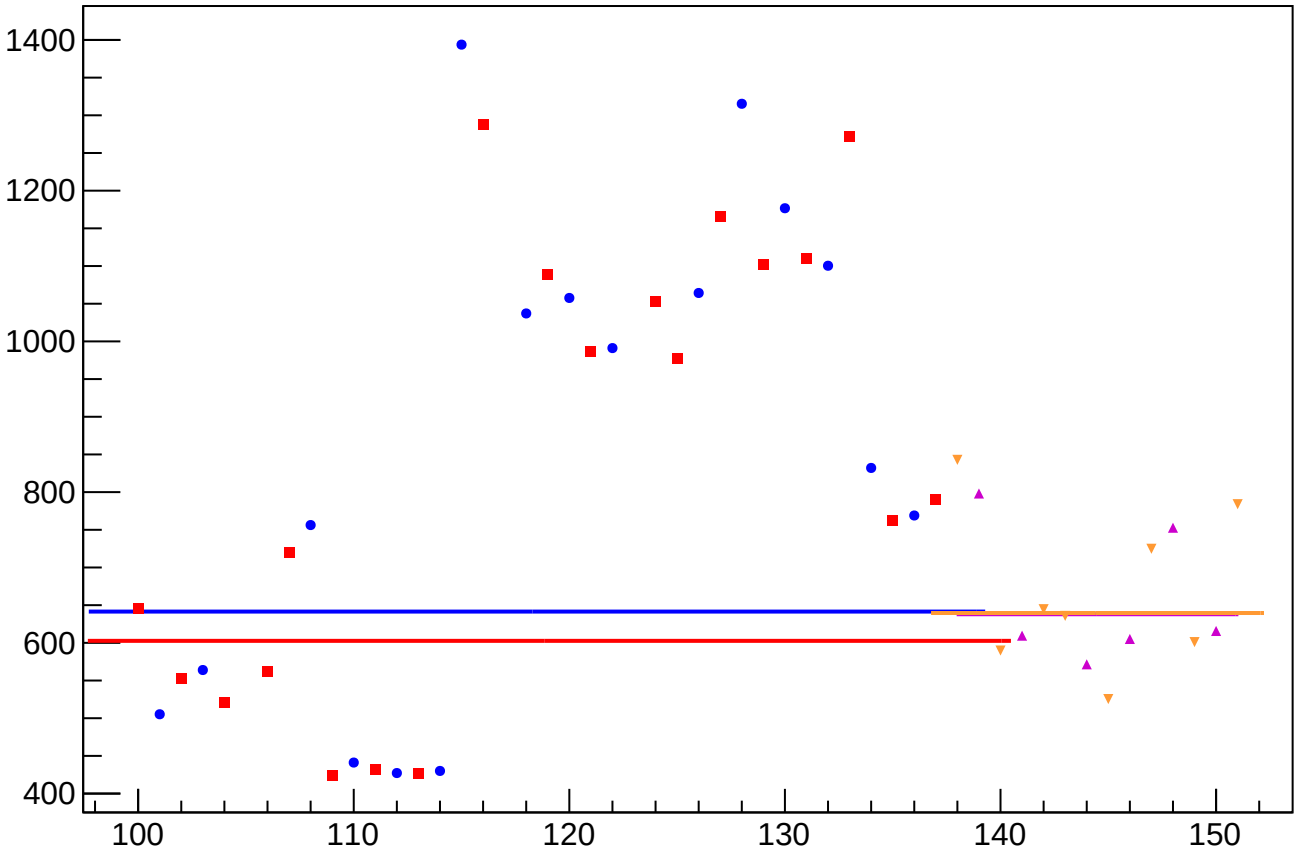
Left: -278.721+/-191.321 χ^2/NDF: 29.9/13

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 197.319+/-189.733 χ^2/NDF:27.5/21

Out: -112.351+/-176.056 χ^2/NDF:43.8/26

All: 30.922+/-129.055 χ^2/NDF: 72.7/48



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 639.599+/-0.185 χ^2/NDF:262440.3/7

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 637.964+/-0.199 χ^2/NDF:141333.2/5

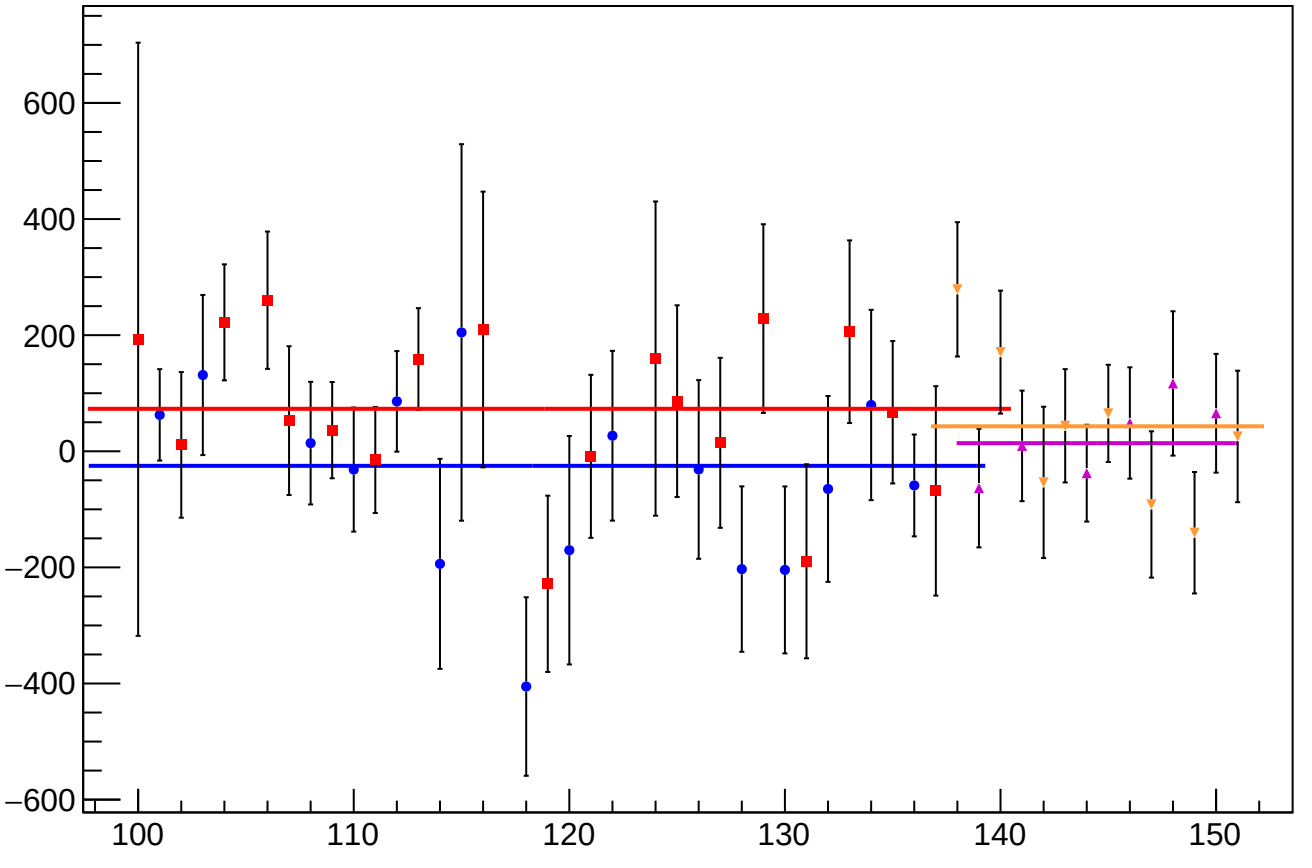
Left: 638.843+/-0.135 χ^2/NDF: 403809.9/13

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 639.891+/-0.134 χ^2/NDF:2016496.1/21

Out: 619.466+/-0.124 χ^2/NDF:2354588.8/26

All: 628.916+/-0.091 χ^2/NDF: 4383538.8/48



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.030+/-37.725 χ^2/NDF:10.5/7

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 13.993+/-40.198 χ^2/NDF:2.0/5

Left: 29.432+/-27.508 χ^2/NDF: 12.8/13

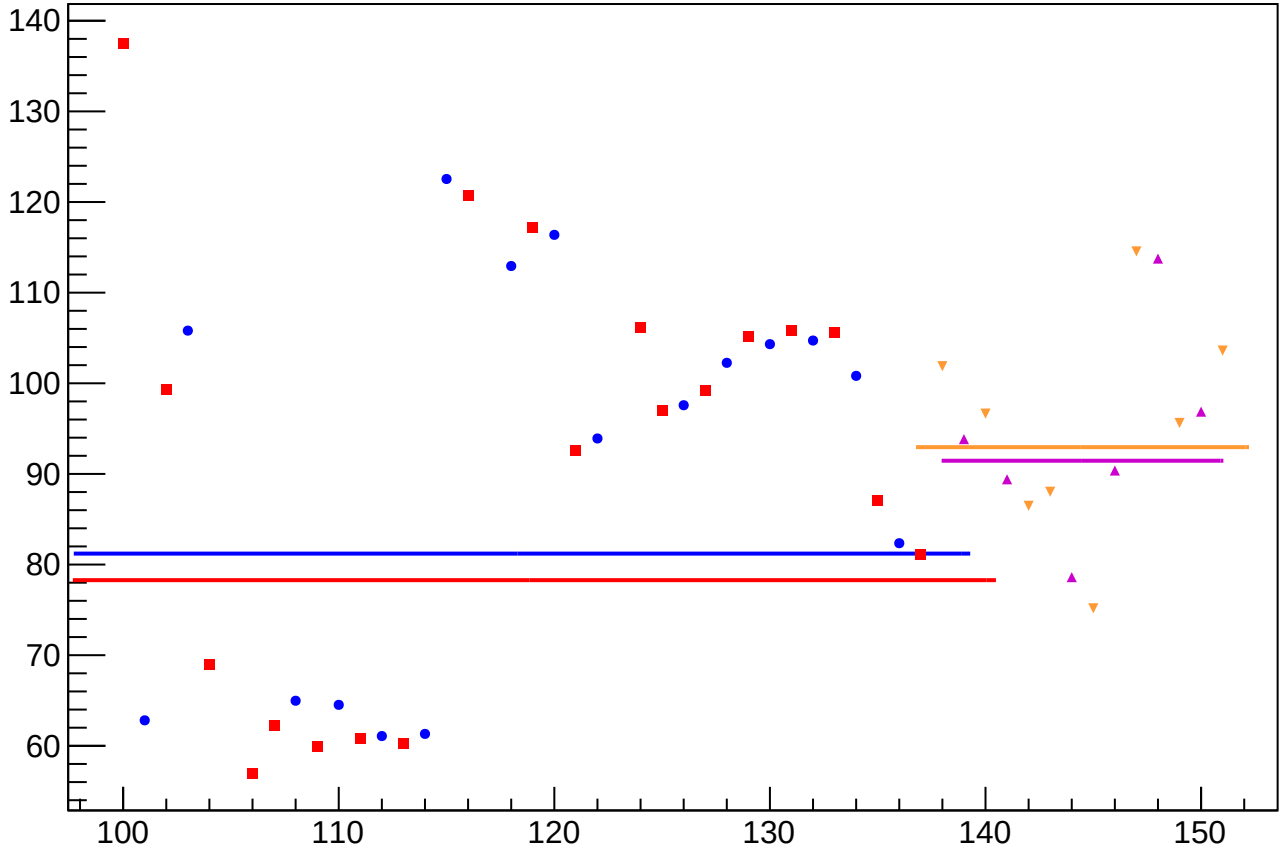
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -10.370+/-24.662 χ^2/NDF:18.8/21

Out: 61.538+/-23.450 χ^2/NDF:27.6/26

All: 27.393+/-16.994 χ^2/NDF: 50.9/48

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 92.953+/-0.027 χ^2/NDF:192298.9/7

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 91.456+/-0.028 χ^2/NDF:119694.0/5

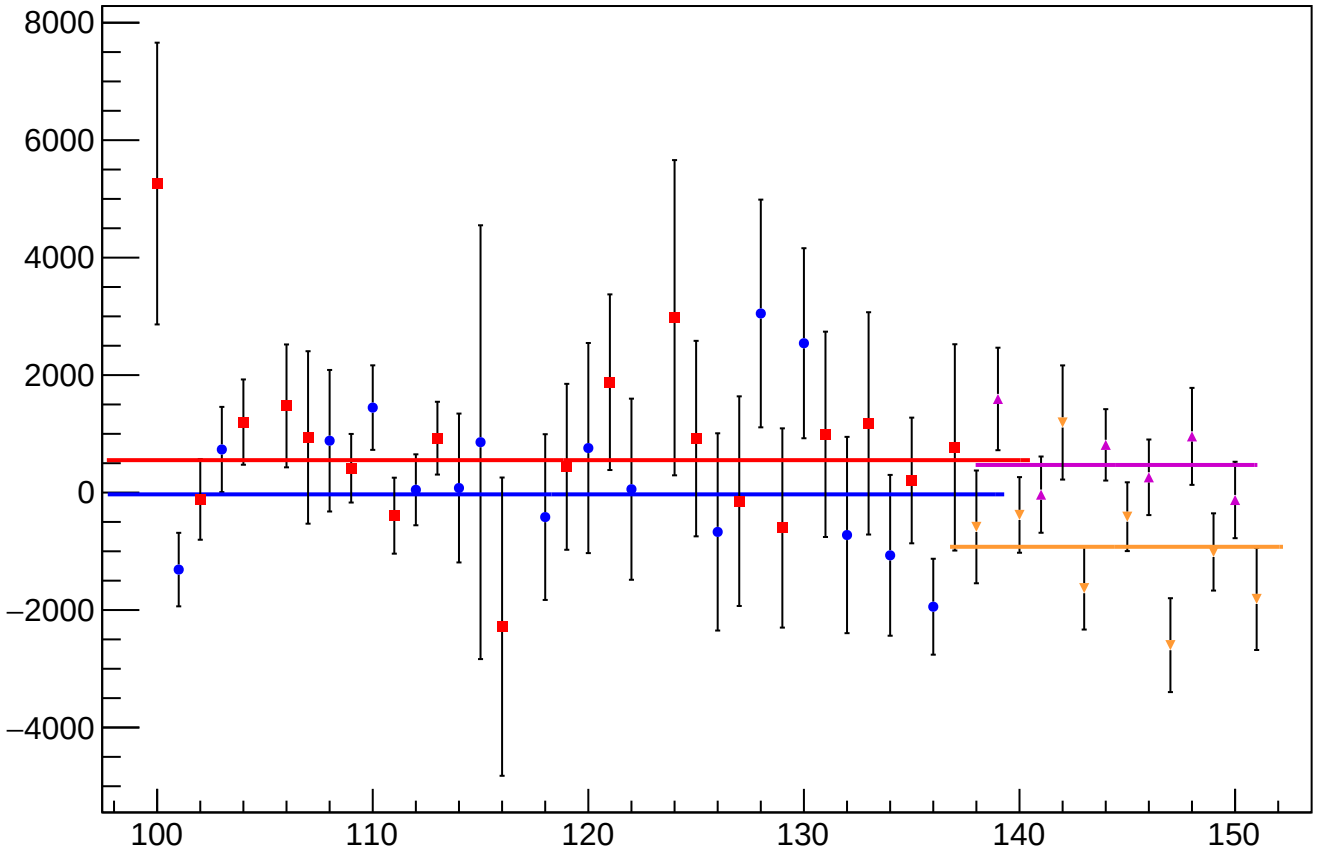
Left: 92.252+/-0.019 χ^2/NDF: 313466.5/13

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 85.066+/-0.017 χ^2/NDF:988415.5/21

Out: 83.949+/-0.017 χ^2/NDF:1314774.2/26

All: 84.480+/-0.012 χ^2/NDF: 2305345.9/48



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -923.376+/-260.988 χ^2/NDF:12.8/7

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 470.130+/-281.288 χ^2/NDF:3.9/5

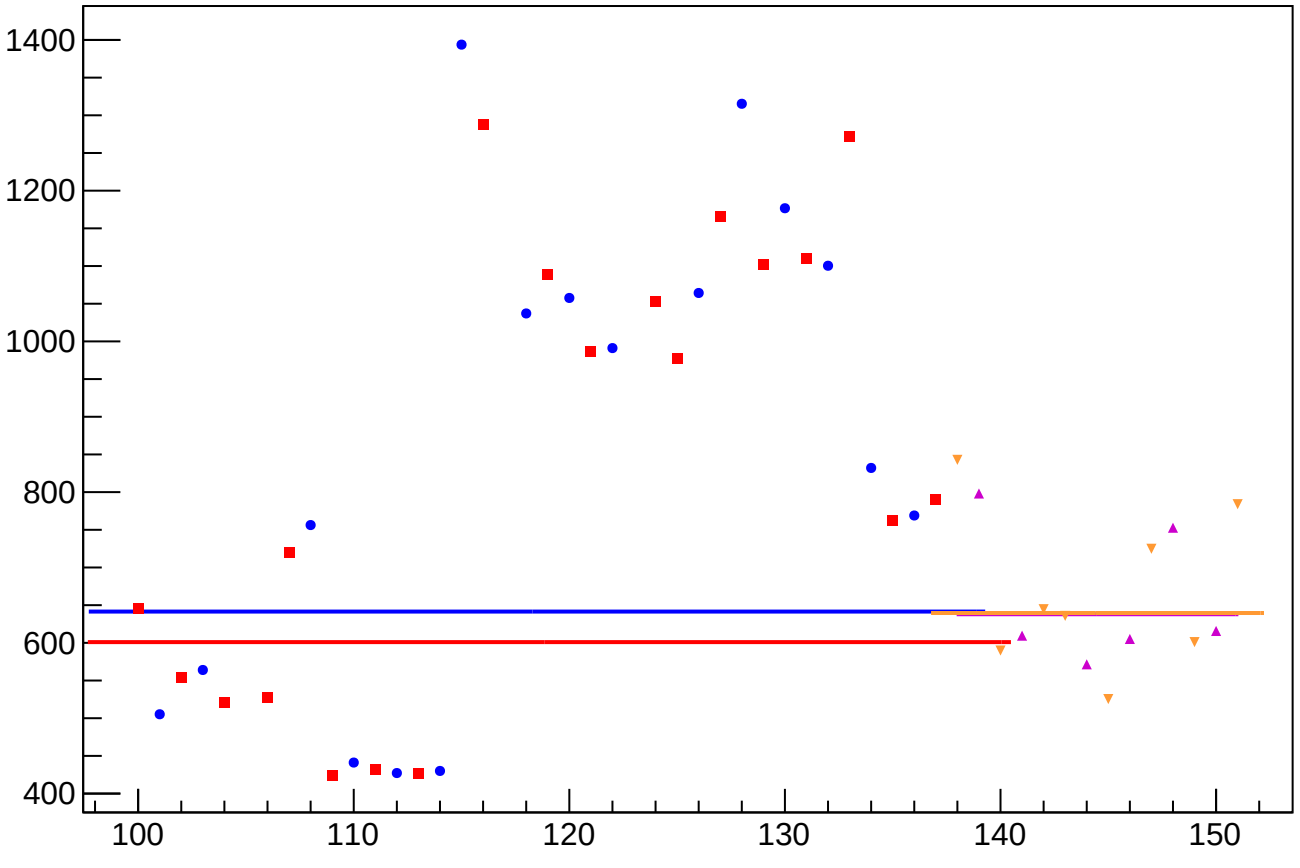
Left: -278.713+/-191.321 χ^2/NDF: 29.9/13

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 197.311+/-189.734 χ^2/NDF:27.5/21

Out: -119.854+/-176.116 χ^2/NDF:43.0/26

All: 26.939+/-129.079 χ^2/NDF: 72.0/48



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 639.599+/-0.185 χ^2/NDF:262442.4/7

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 637.964+/-0.199 χ^2/NDF:141331.7/5

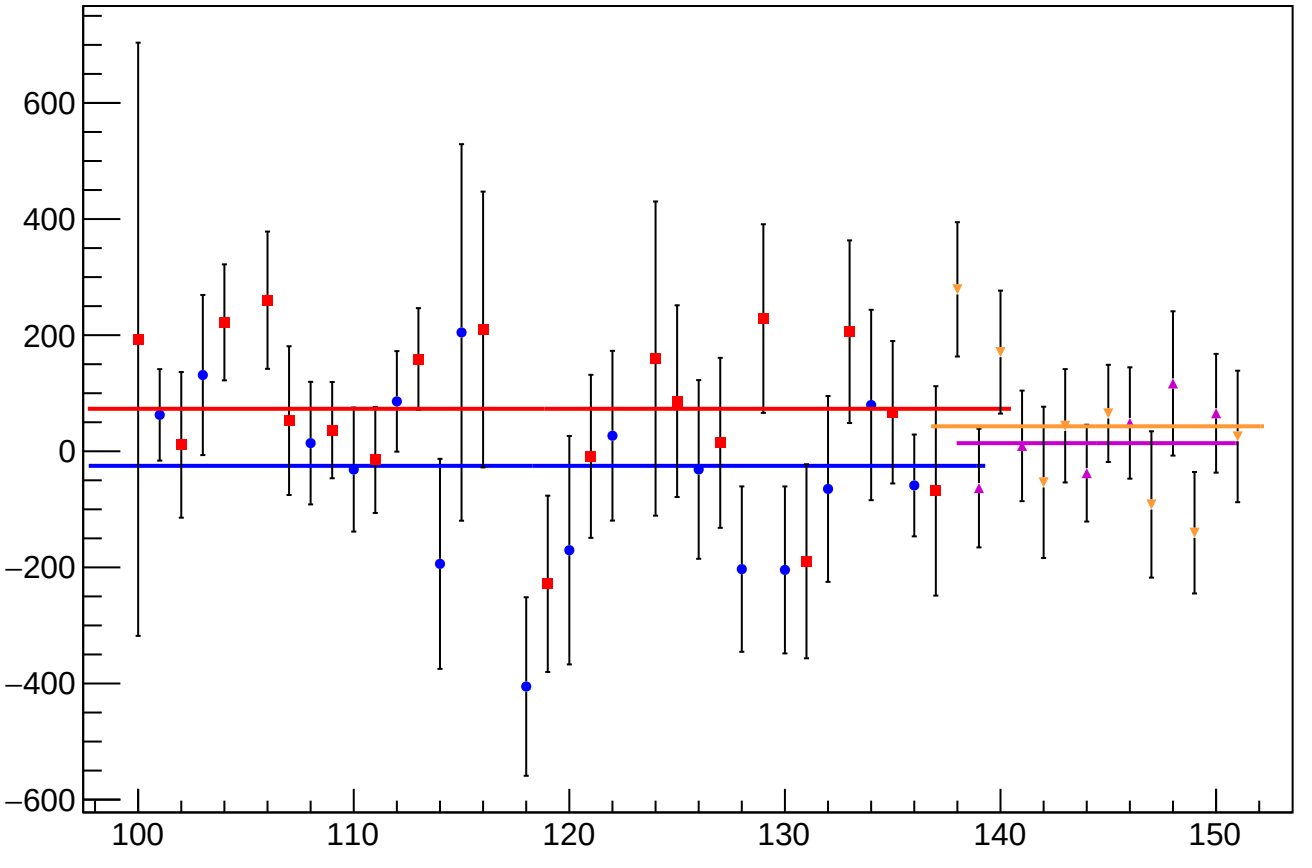
Left: 638.843+/-0.135 χ^2/NDF: 403810.4/13

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 639.895+/-0.134 χ^2/NDF:2016454.7/21

Out: 618.563+/-0.125 χ^2/NDF:2363531.4/26

All: 628.436+/-0.091 χ^2/NDF: 4393567.1/48



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 43.030+/-37.725 χ^2/NDF:10.5/7

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 13.993+/-40.198 χ^2/NDF:2.0/5

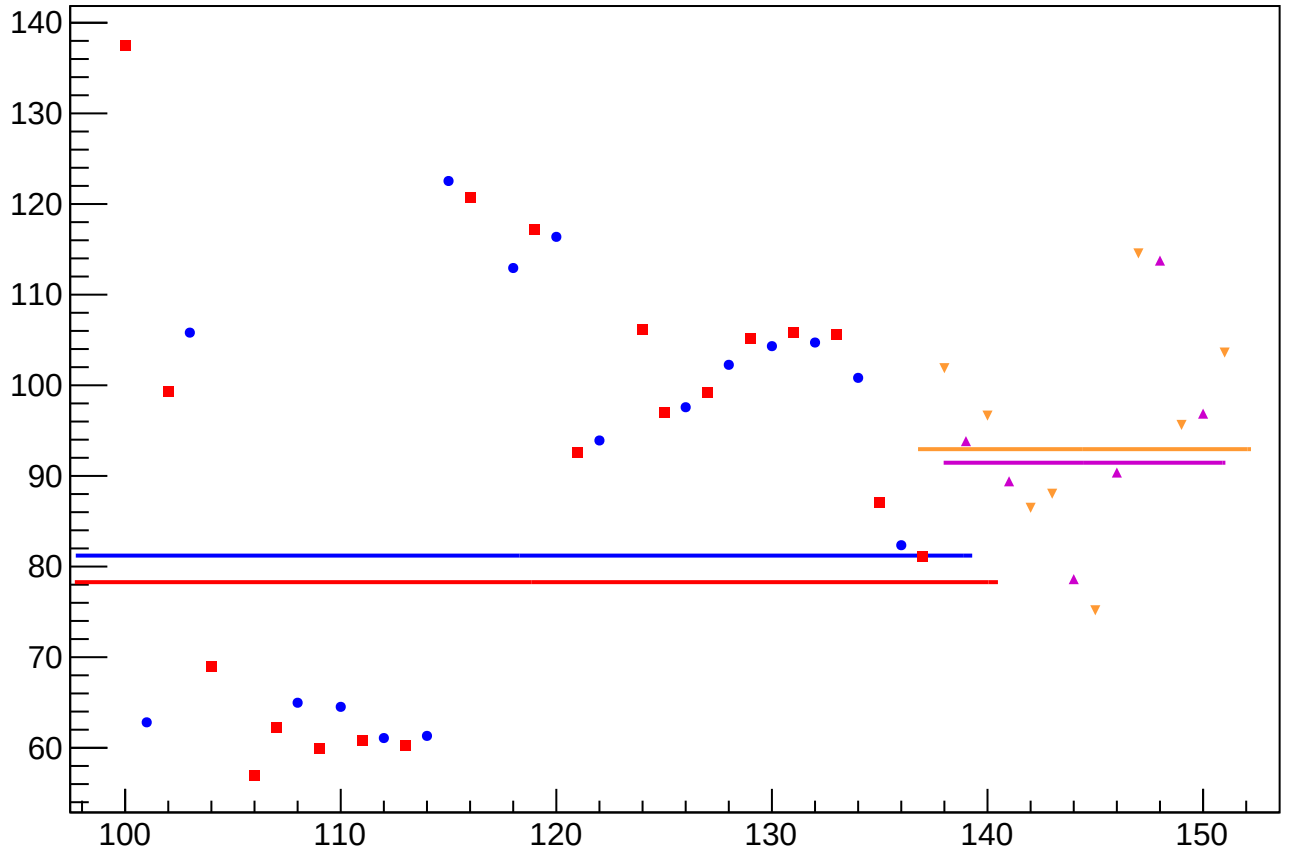
Left: 29.432+/-27.508 χ^2/NDF: 12.8/13

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -10.370+/-24.662 χ^2/NDF:18.8/21

Out: 61.538+/-23.450 χ^2/NDF:27.6/26

All: 27.393+/-16.994 χ^2/NDF: 50.9/48



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 92.953+/-0.027 χ^2/NDF:192298.9/7

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 91.456+/-0.028 χ^2/NDF:119694.0/5

Left: 92.252+/-0.019 χ^2/NDF: 313466.5/13

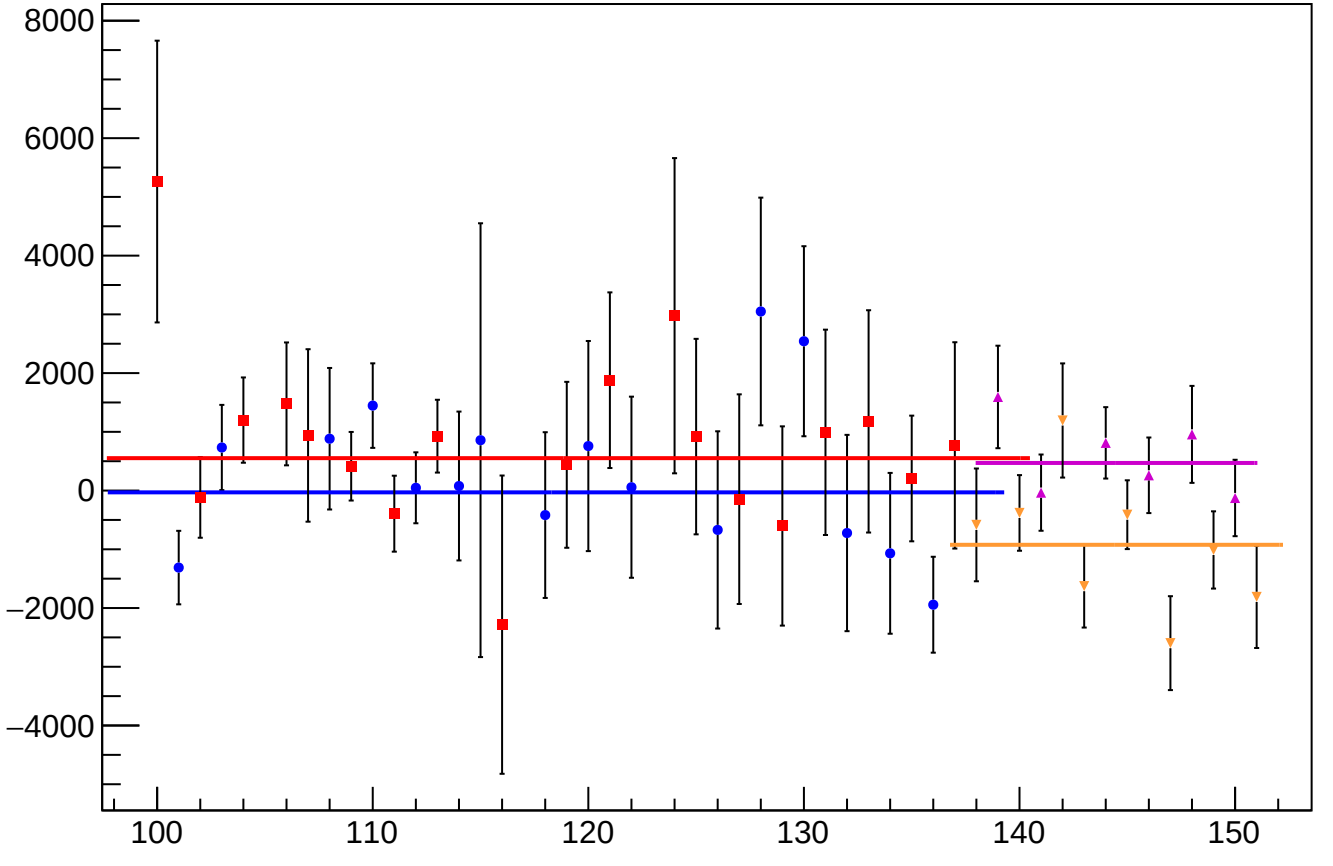
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 85.066+/-0.017 χ^2/NDF:988415.5/21

Out: 83.949+/-0.017 χ^2/NDF:1314774.2/26

All: 84.480+/-0.012 χ^2/NDF: 2305345.9/48

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: -923.376+/-260.988 χ^2/NDF:12.8/7

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 470.130+/-281.288 χ^2/NDF:3.9/5

Left: -278.713+/-191.321 χ^2/NDF: 29.9/13

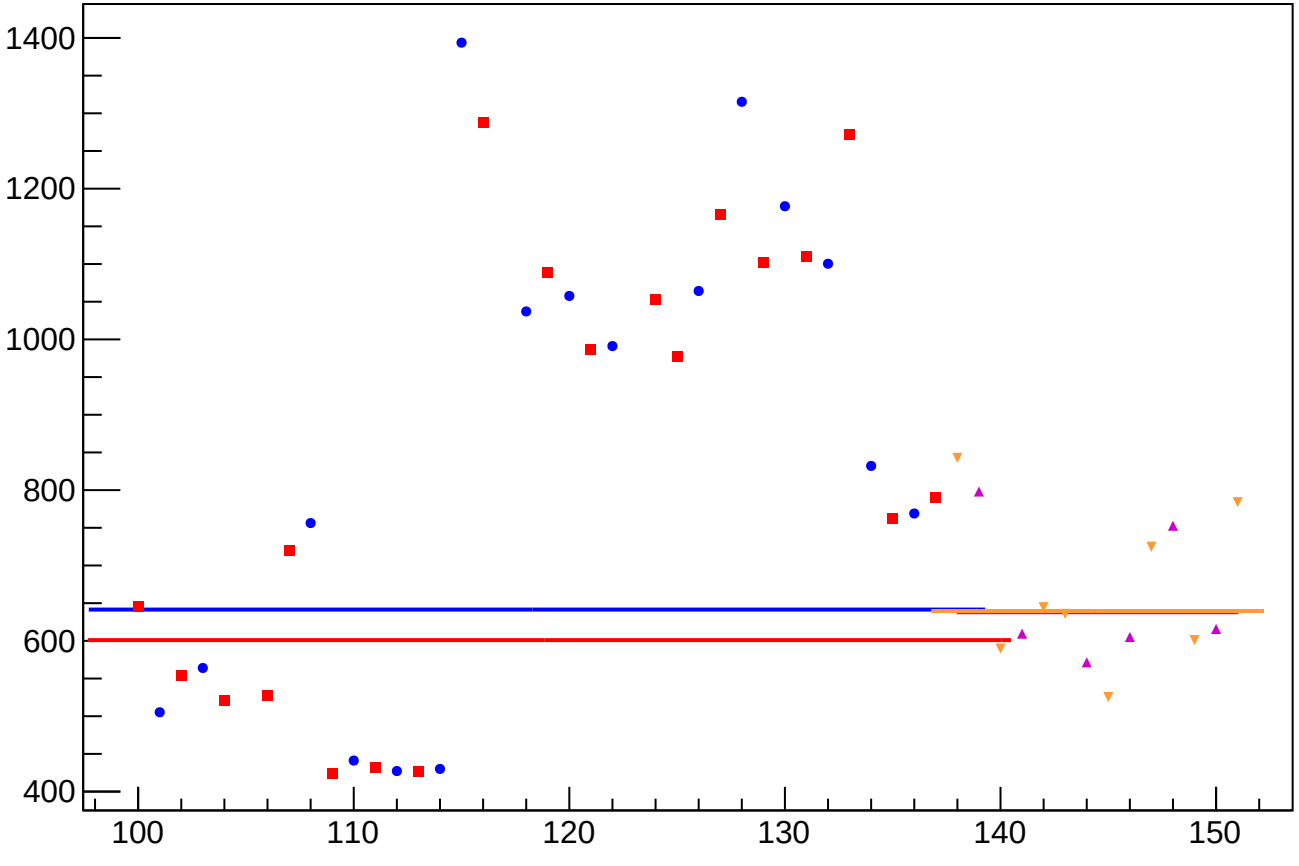
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 197.311+/-189.734 χ^2/NDF:27.5/21

Out: -119.854+/-176.116 χ^2/NDF:43.0/26

All: 26.939+/-129.079 χ^2/NDF: 72.0/48

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: 639.599+/-0.185 χ^2/NDF:262442.4/7

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 637.964+/-0.199 χ^2/NDF:141331.7/5

Left: 638.843+/-0.135 χ^2/NDF: 403810.4/13

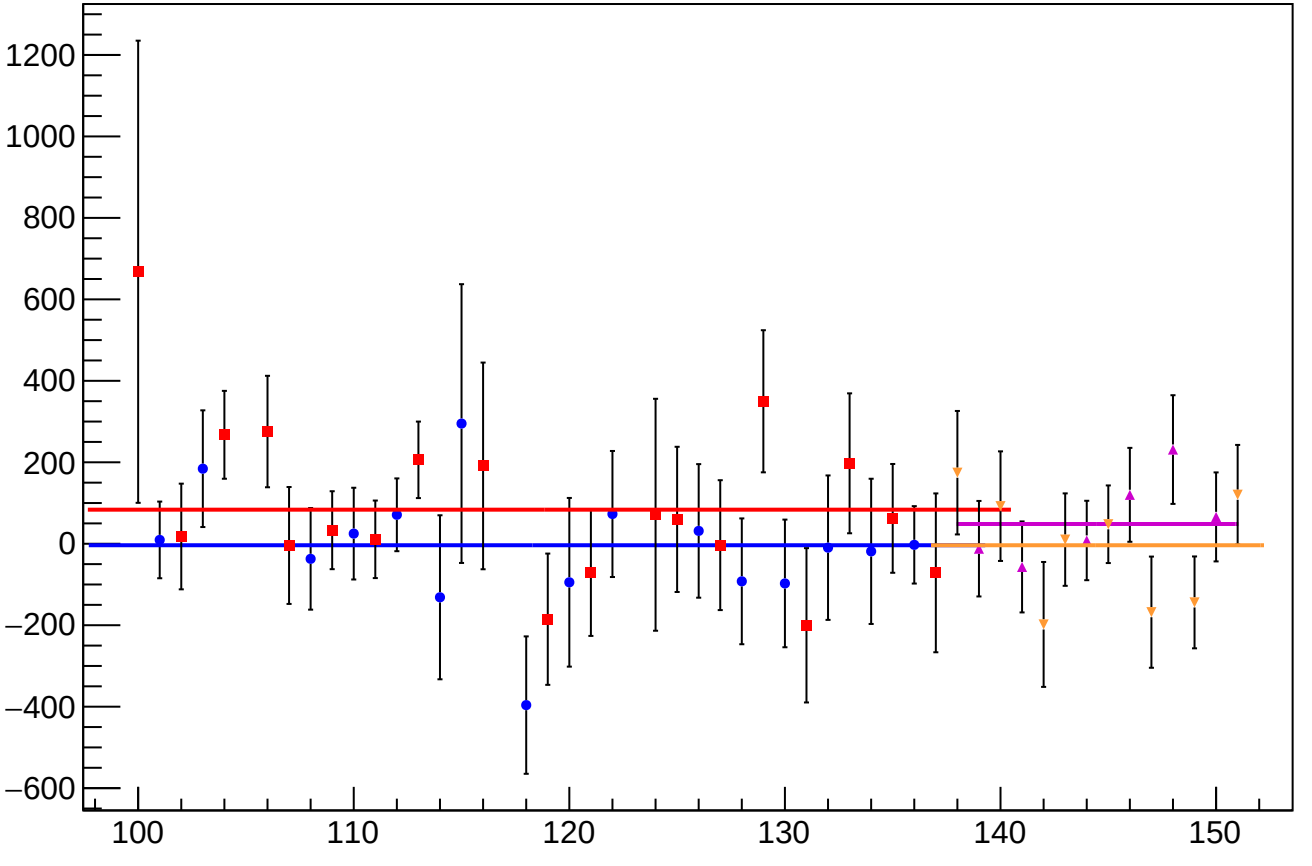
Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 639.895+/-0.134 χ^2/NDF:2016454.7/21

Out: 618.563+/-0.125 χ^2/NDF:2363531.4/26

All: 628.436+/-0.091 χ^2/NDF: 4393567.1/48

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.670+/-43.507 χ^2/NDF:7.8/7

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 48.508+/-45.962 χ^2/NDF:3.6/5

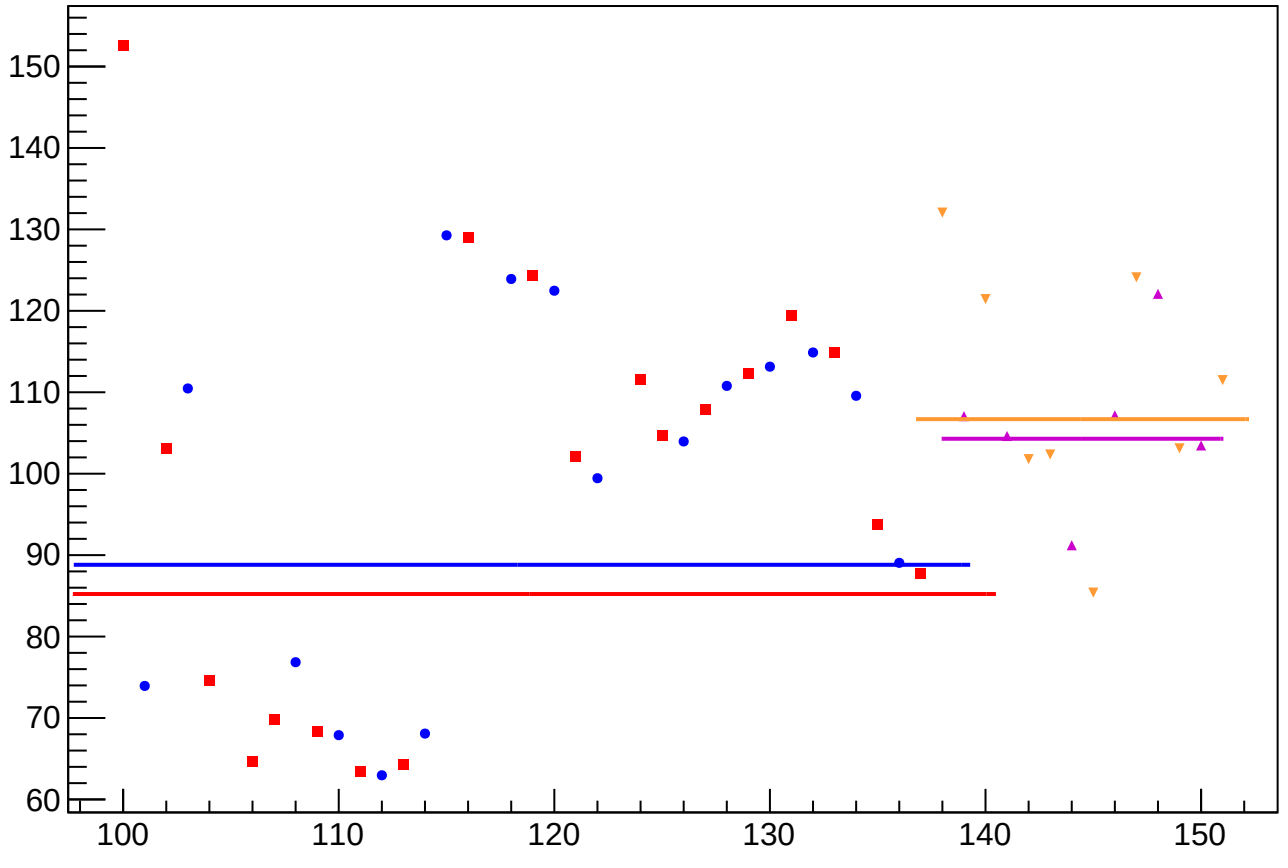
Left: 20.988+/-31.596 χ^2/NDF: 12.1/13

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 14.914+/-27.413 χ^2/NDF:14.8/21

Out: 52.229+/-26.105 χ^2/NDF:29.5/26

All: 34.482+/-18.905 χ^2/NDF: 45.2/48



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 106.699+/-0.031 χ^2/NDF:222608.9/7

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 104.291+/-0.033 χ^2/NDF:74095.8/5

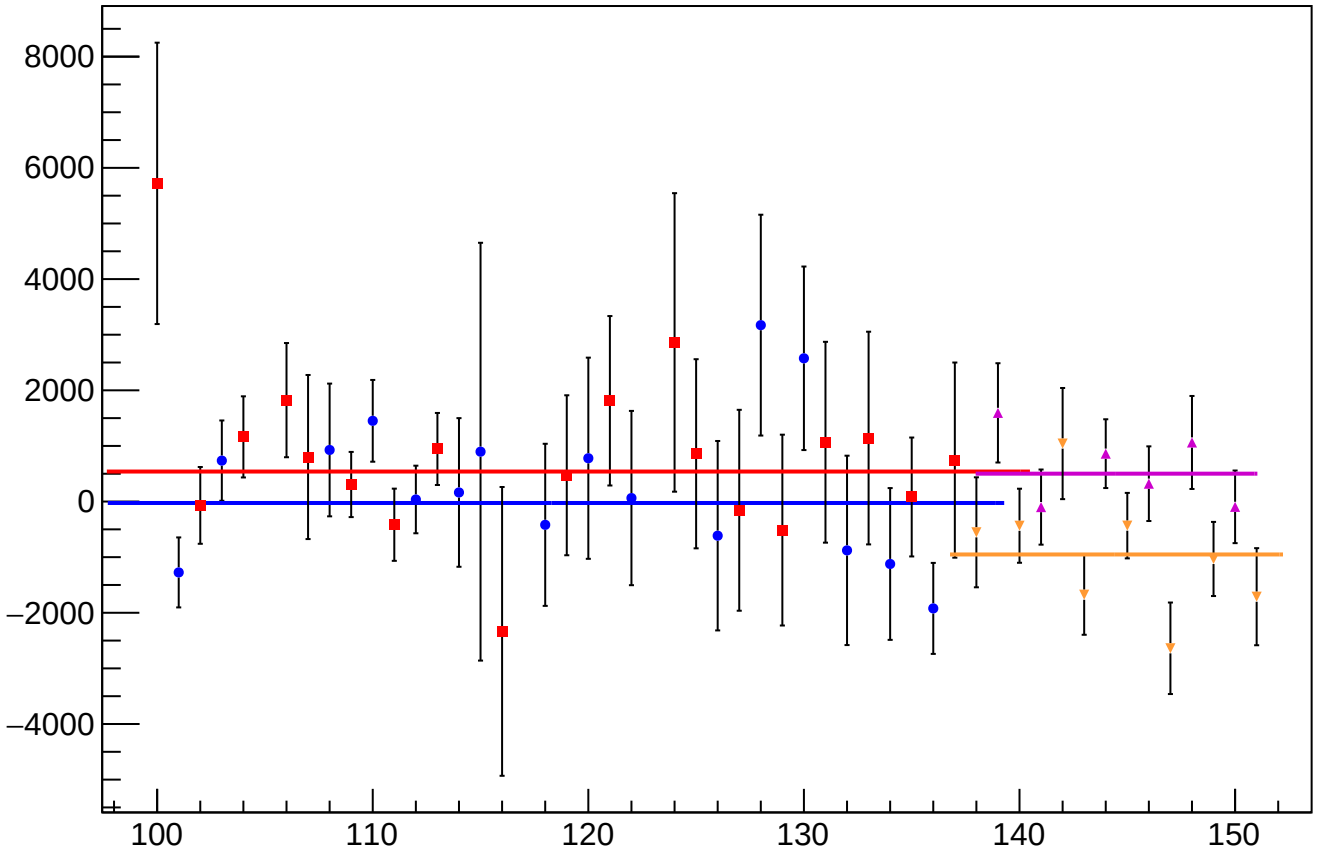
Left: 105.561+/-0.022 χ^2/NDF: 299598.8/13

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 94.319+/-0.019 χ^2/NDF:944827.5/21

Out: 92.956+/-0.018 χ^2/NDF:1418492.8/26

All: 93.604+/-0.013 χ^2/NDF: 2365913.7/48



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -951.516+/-266.026 χ^2/NDF:11.5/7

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 501.283+/-287.996 χ^2/NDF:4.0/5

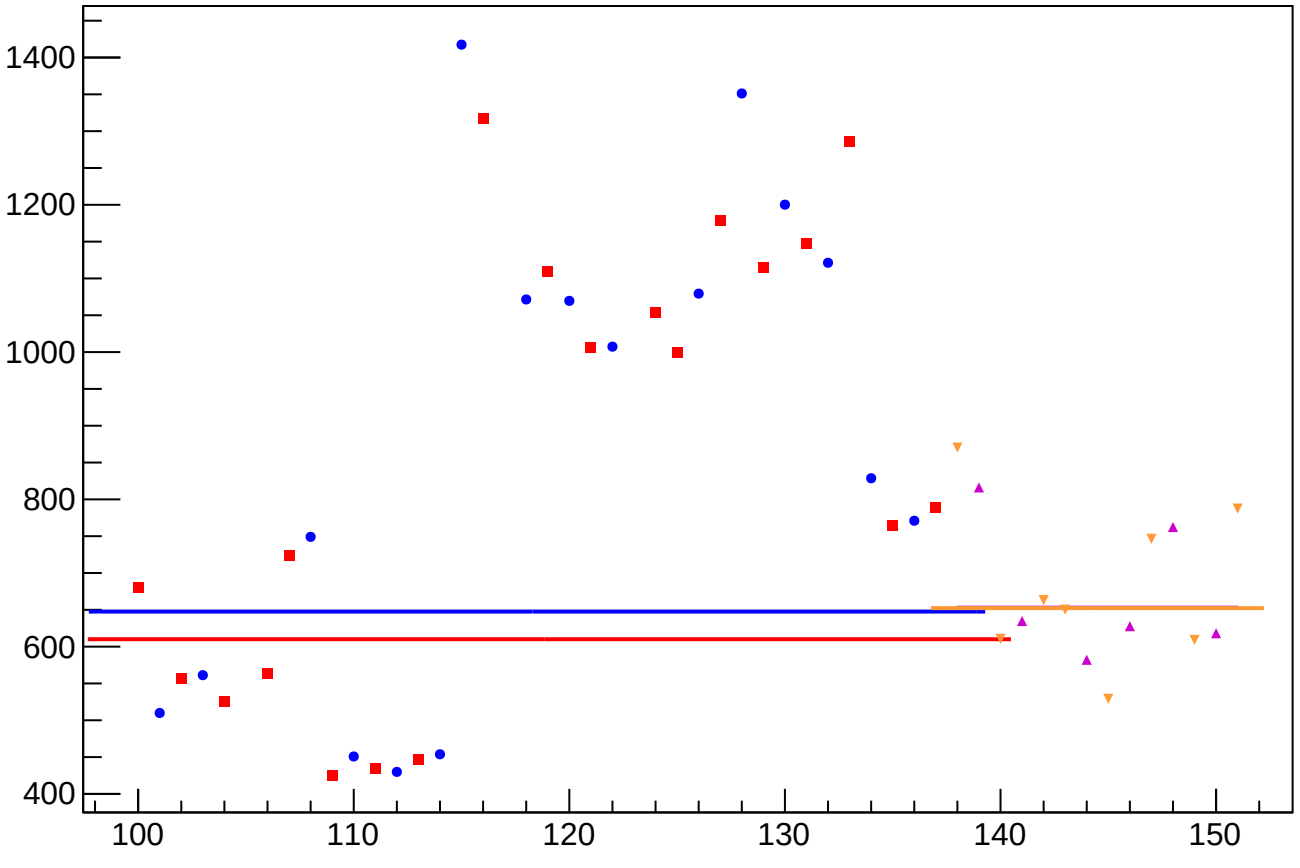
Left: -282.638+/-195.415 χ^2/NDF: 29.2/13

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 210.299+/-192.743 χ^2/NDF:27.4/21

Out: -133.248+/-178.704 χ^2/NDF:42.4/26

All: 25.559+/-131.045 χ^2/NDF: 71.5/48



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 652.298+/-0.188 χ^2/NDF:275283.6/7

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 652.905+/-0.204 χ^2/NDF:137340.6/5

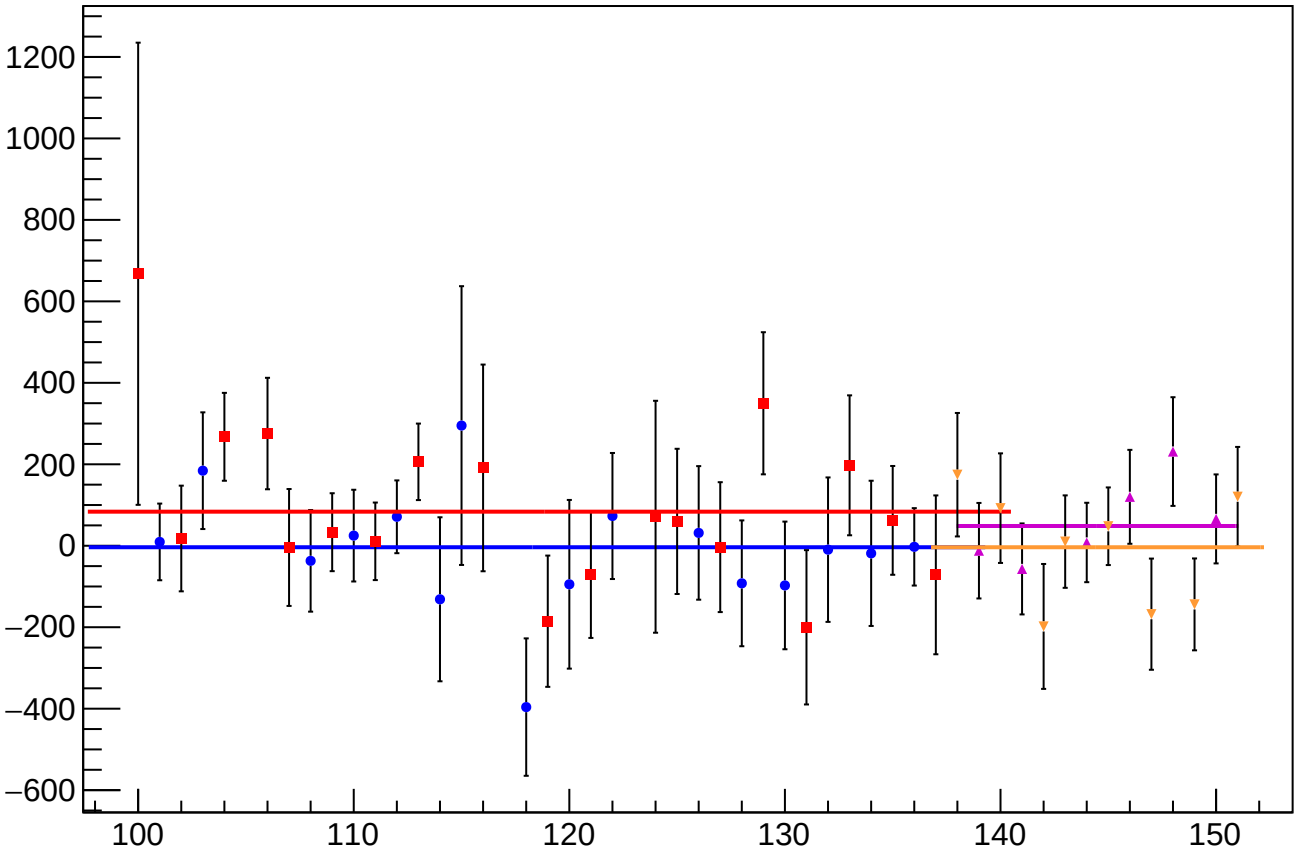
Left: 652.577+/-0.138 χ^2/NDF: 412629.0/13

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 649.998+/-0.136 χ^2/NDF:2025525.5/21

Out: 629.120+/-0.126 χ^2/NDF:2377198.2/26

All: 638.771+/-0.093 χ^2/NDF: 4415342.8/48



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -3.670+/-43.507 χ^2/NDF:7.8/7

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 48.509+/-45.962 χ^2/NDF:3.6/5

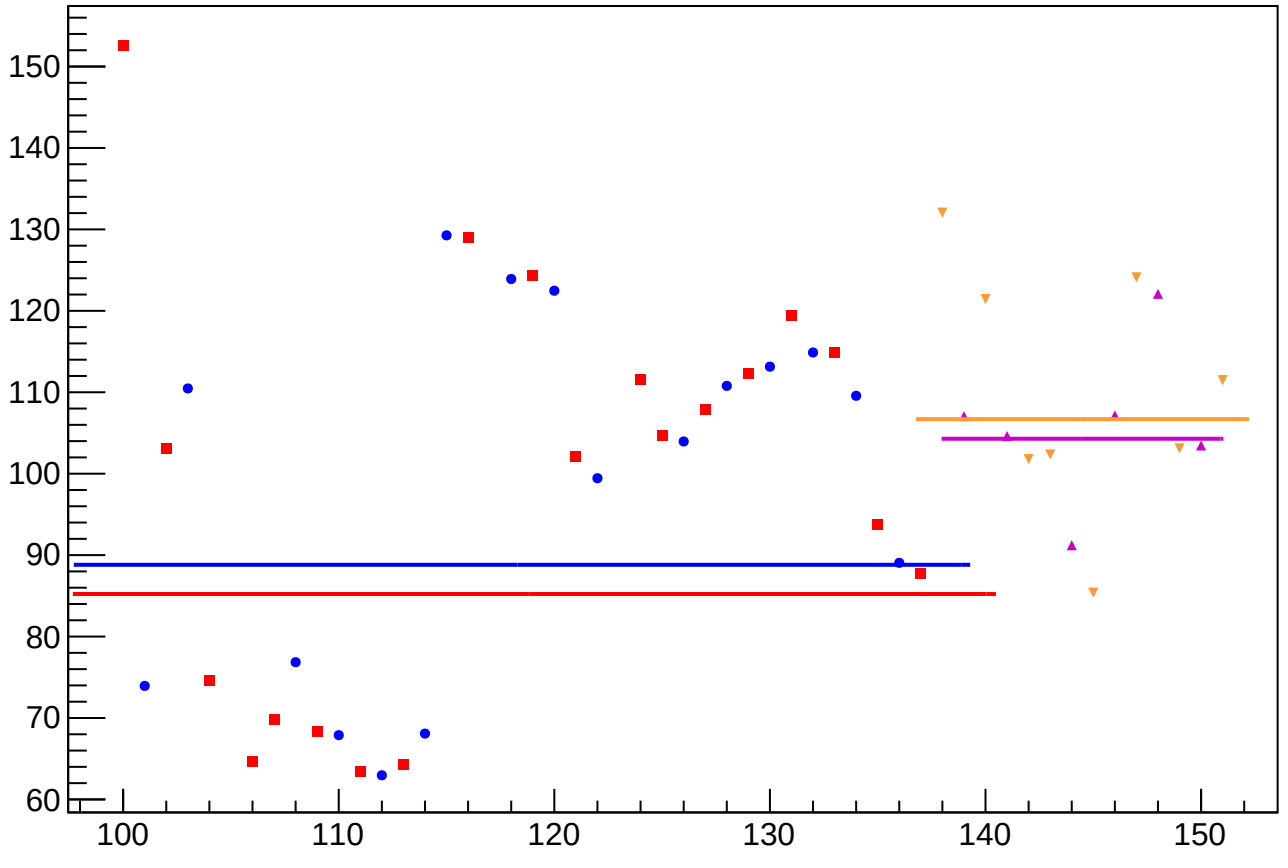
Left: 20.988+/-31.596 χ^2/NDF: 12.1/13

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 14.915+/-27.413 χ^2/NDF:14.8/21

Out: 52.229+/-26.105 χ^2/NDF:29.5/26

All: 34.483+/-18.905 χ^2/NDF: 45.2/48



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 106.699+/-0.031 χ^2/NDF:222607.3/7

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 104.291+/-0.033 χ^2/NDF:74095.7/5

Left: 105.561+/-0.022 χ^2/NDF: 299597.0/13

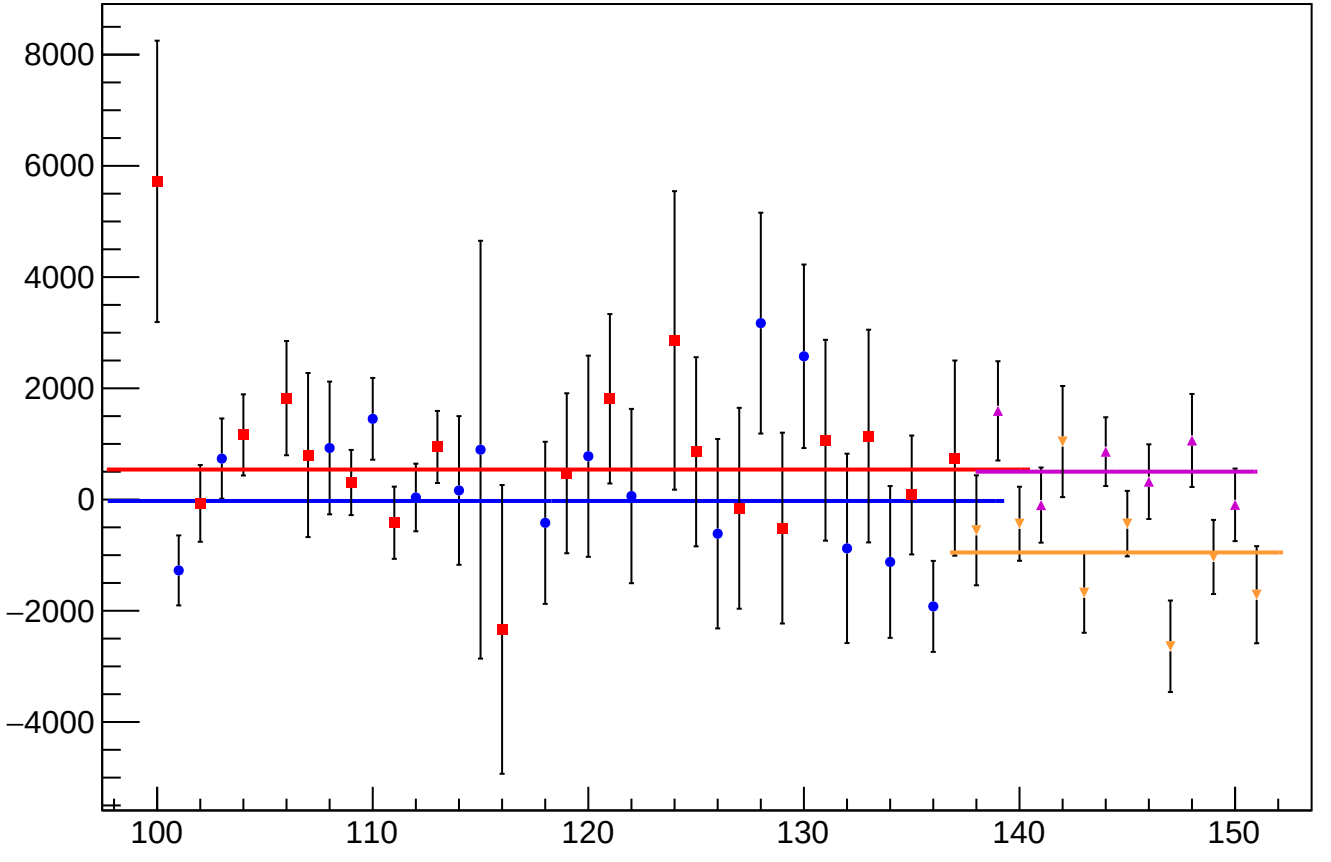
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 94.319+/-0.019 χ^2/NDF:944832.4/21

Out: 92.956+/-0.018 χ^2/NDF:1418500.6/26

All: 93.604+/-0.013 χ^2/NDF: 2365926.4/48

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: -951.515+/-266.026 χ^2/NDF:11.5/7

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 501.283+/-287.996 χ^2/NDF:4.0/5

Left: -282.638+/-195.415 χ^2/NDF: 29.2/13

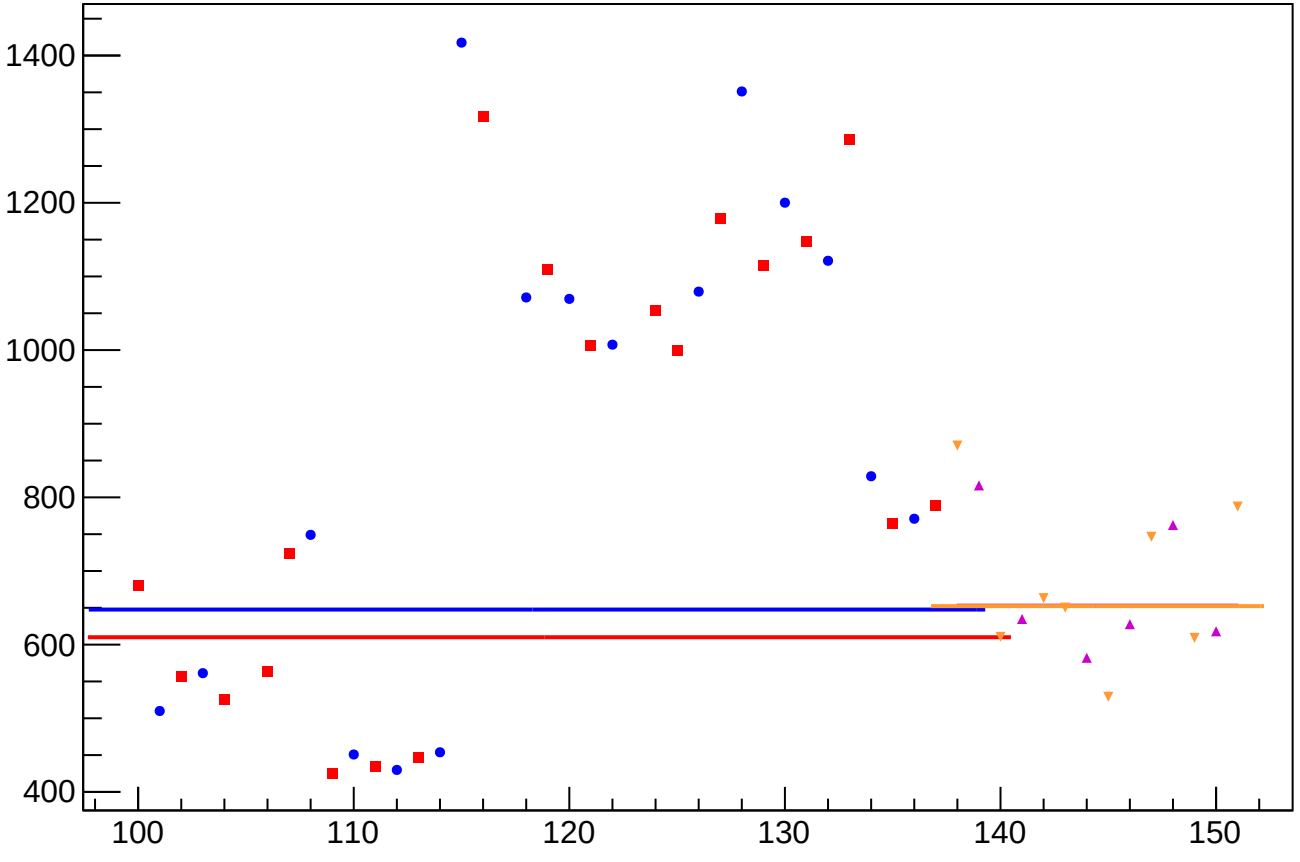
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 210.299+/-192.743 χ^2/NDF:27.4/21

Out: -133.248+/-178.703 χ^2/NDF:42.4/26

All: 25.559+/-131.045 χ^2/NDF: 71.5/48

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: 652.298+/-0.188 χ^2/NDF:275285.3/7

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 652.905+/-0.204 χ^2/NDF:137341.0/5

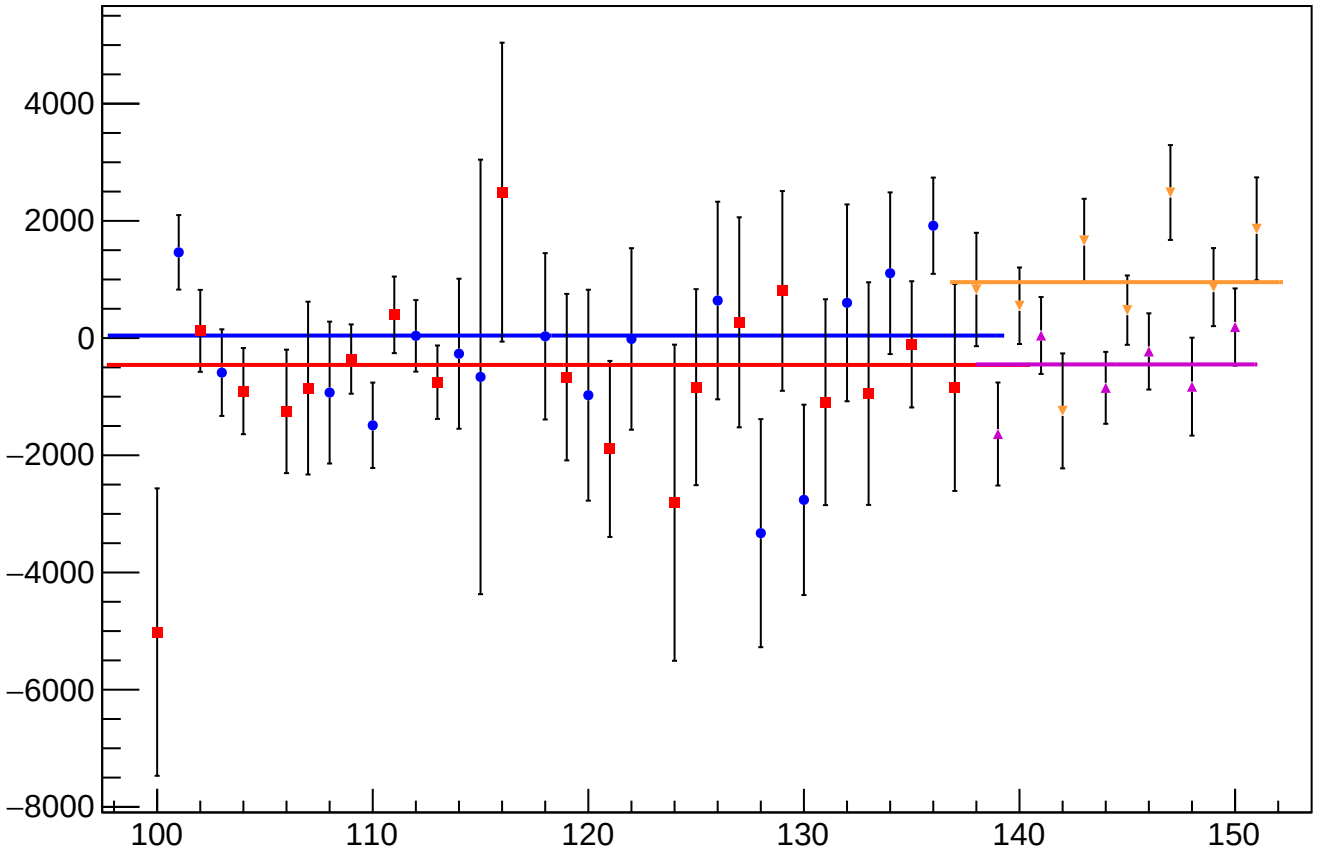
Left: 652.577+/-0.138 χ^2/NDF: 412631.1/13

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 649.998+/-0.136 χ^2/NDF:2025530.6/21

Out: 629.120+/-0.126 χ^2/NDF:2377203.4/26

All: 638.771+/-0.093 χ^2/NDF: 4415353.4/48



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 954.459+/-263.855 χ^2/NDF:11.7/7

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -449.475+/-284.283 χ^2/NDF:4.1/5

Left: 304.741+/-193.392 χ^2/NDF: 28.9/13

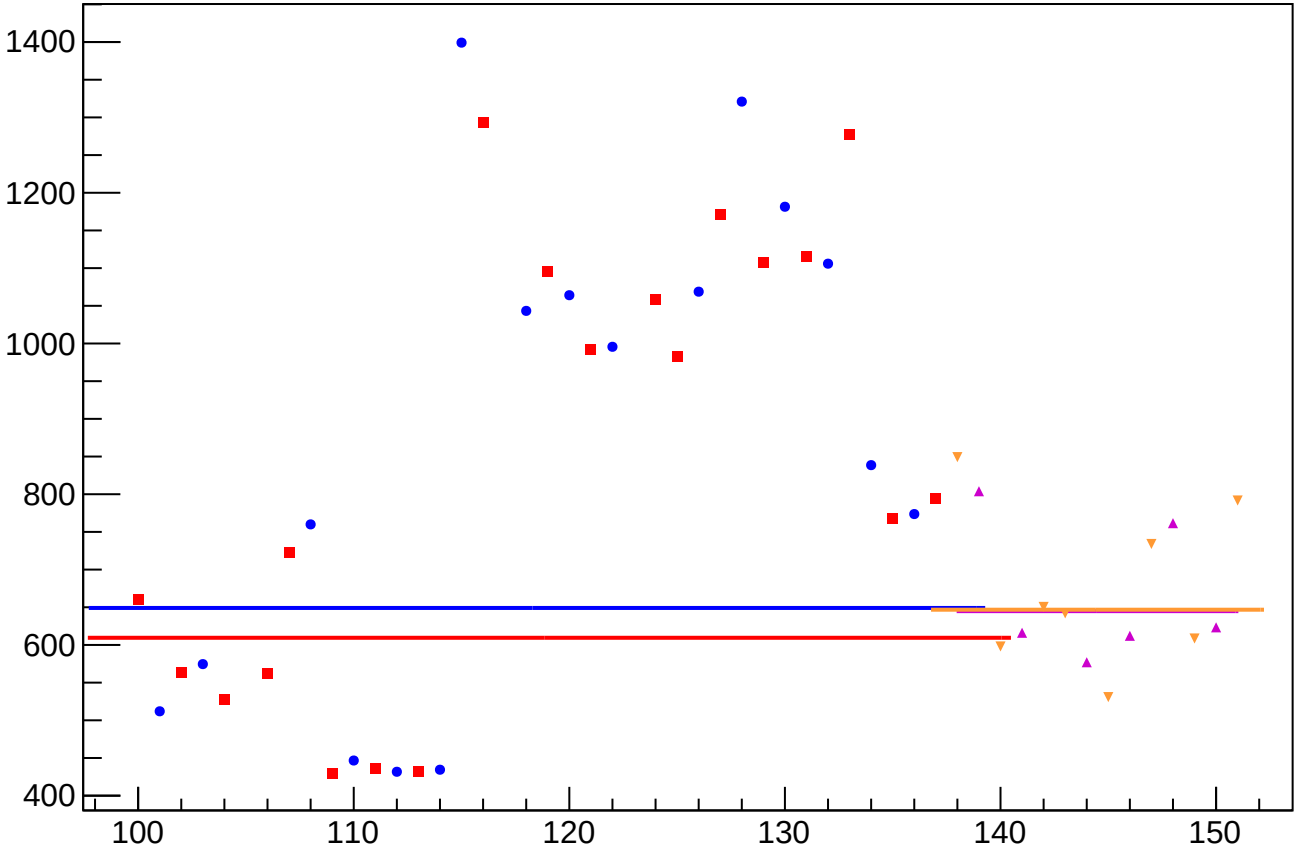
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -181.035+/-191.777 χ^2/NDF:28.9/21

Out: 184.699+/-177.992 χ^2/NDF:38.6/26

All: 15.447+/-130.461 χ^2/NDF: 69.5/48

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 646.758+/-0.187 χ^2/NDF:260022.4/7

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 644.854+/-0.201 χ^2/NDF:140035.9/5

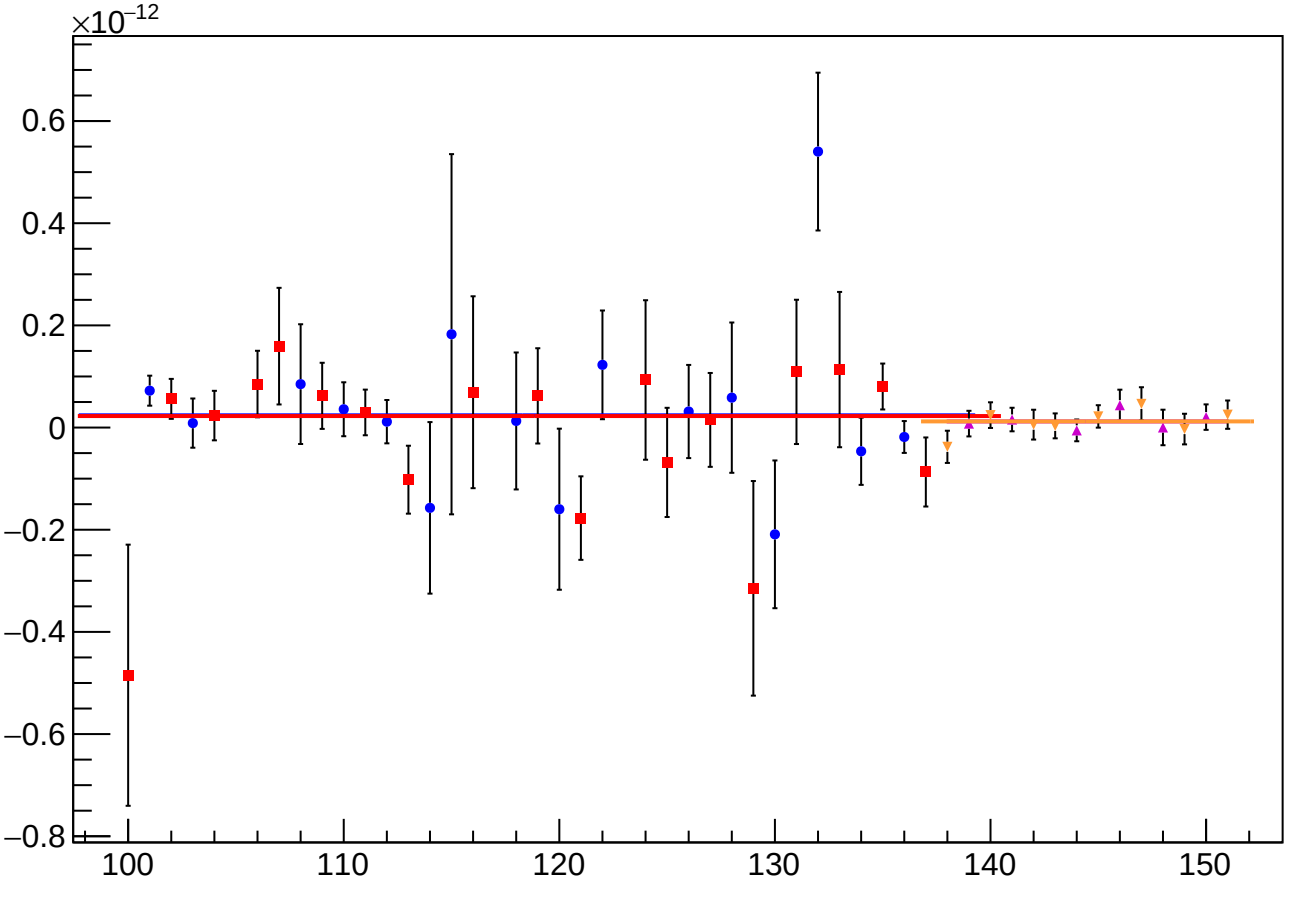
Left: 645.877+/-0.137 χ^2/NDF: 400106.5/13

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 647.163+/-0.136 χ^2/NDF:1986093.5/21

Out: 626.464+/-0.126 χ^2/NDF:2325326.2/26

All: 636.043+/-0.092 χ^2/NDF: 4323936.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.1/5

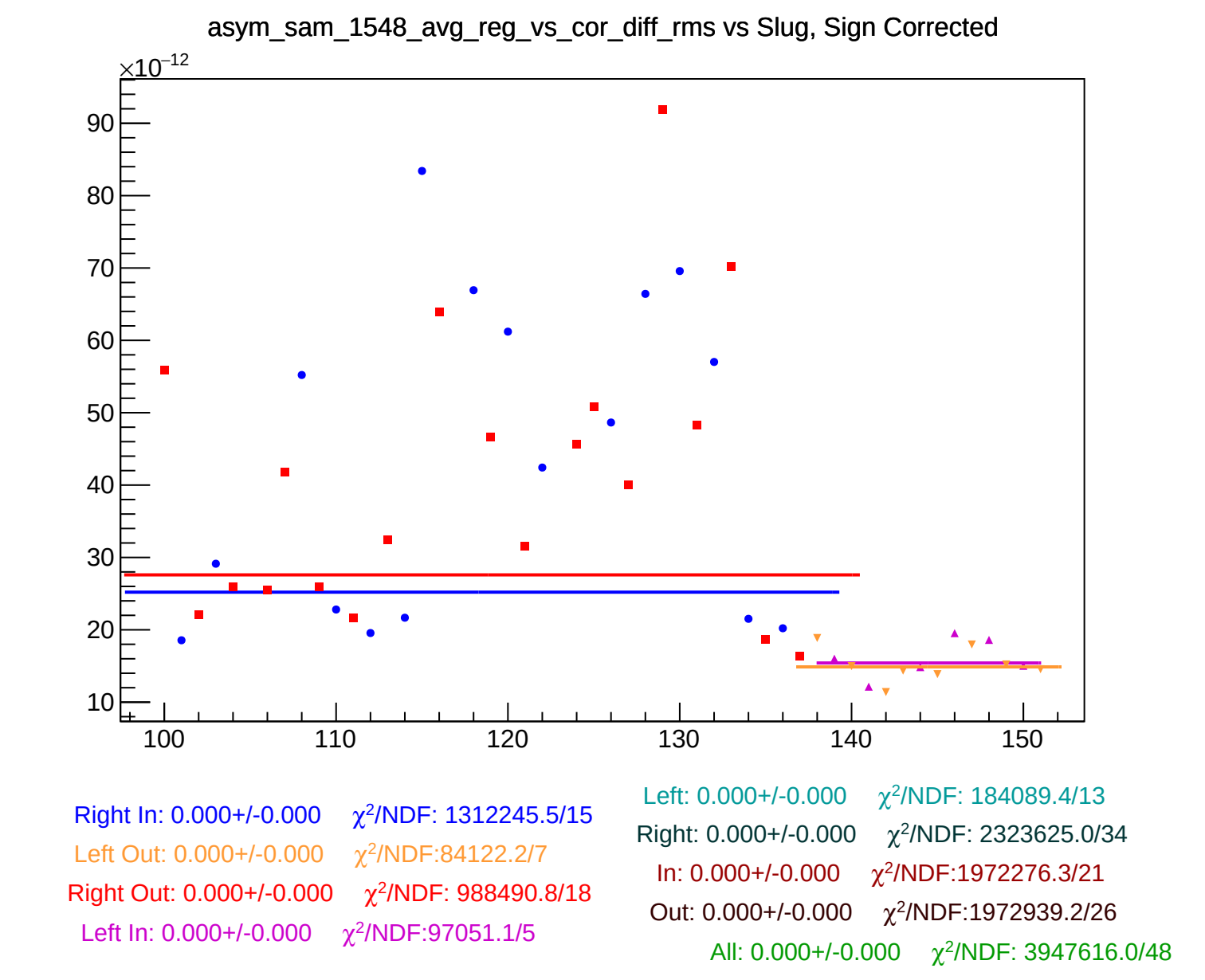
Left: 0.000+/-0.000 χ^2/NDF: 6.7/13

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:26.1/21

Out: 0.000+/-0.000 χ^2/NDF:30.7/26

All: 0.000+/-0.000 χ^2/NDF: 56.8/48


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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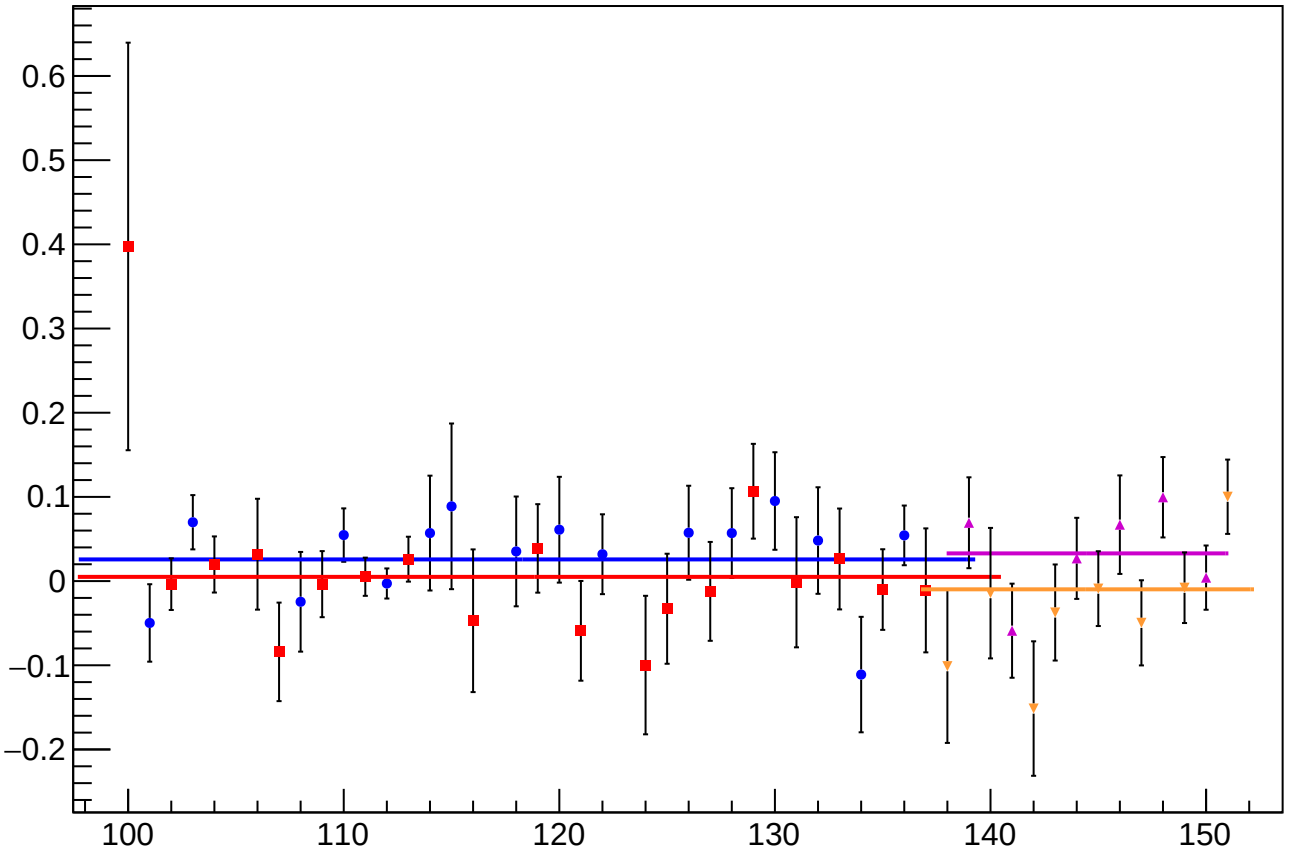
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:84122.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:97051.1/5
Left: 0.000+/-0.000 χ²/NDF: 184089.4/13
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:1972276.3/21
Out: 0.000+/-0.000 χ²/NDF:1972939.2/26
All: 0.000+/-0.000 χ²/NDF: 3947616.0/48



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.033+/-0.020 χ^2/NDF:6.0/5

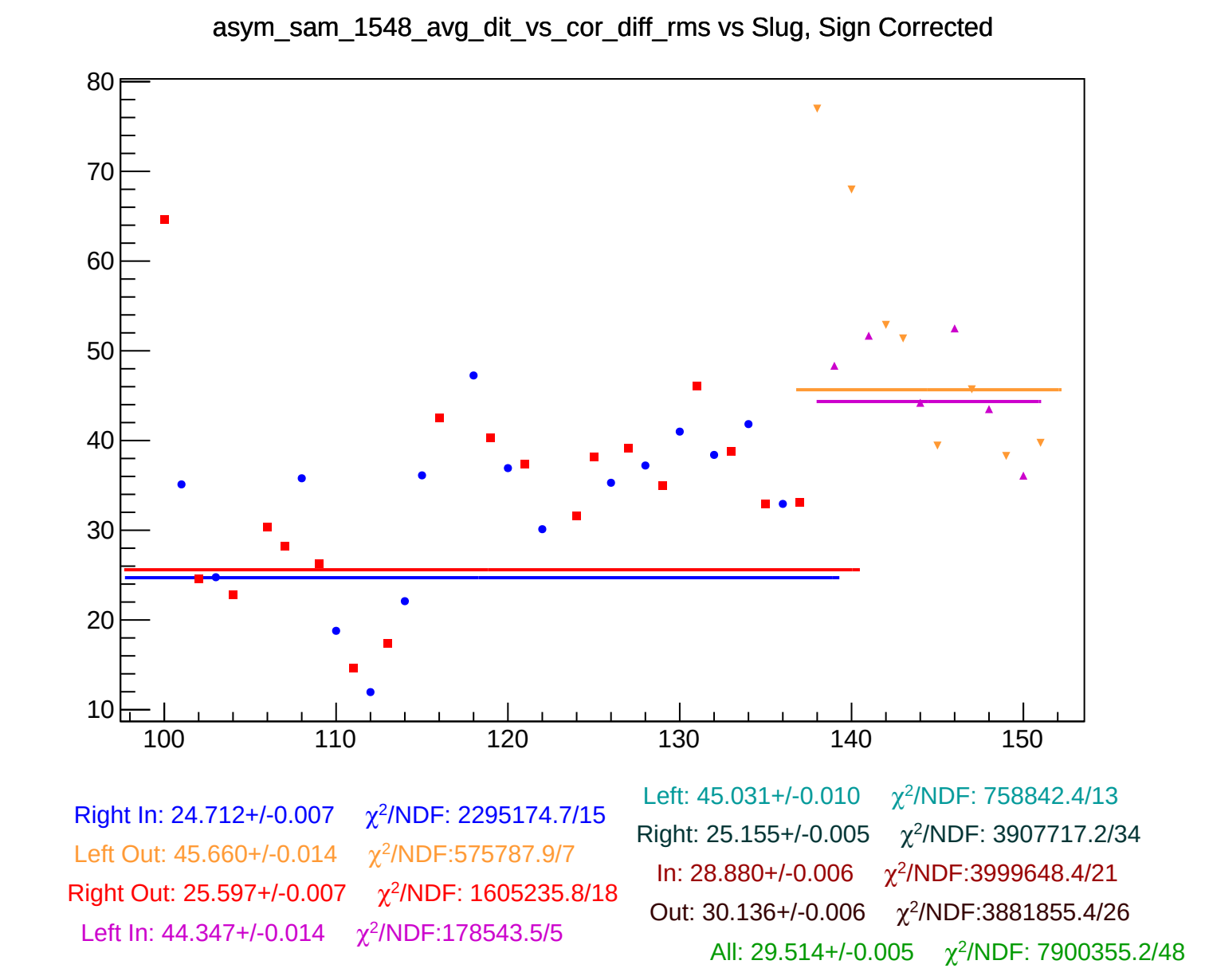
Left: 0.011+/-0.014 χ^2/NDF: 19.6/13

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:22.6/21

Out: 0.002+/-0.009 χ^2/NDF:25.3/26

All: 0.014+/-0.006 χ^2/NDF: 51.8/48


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
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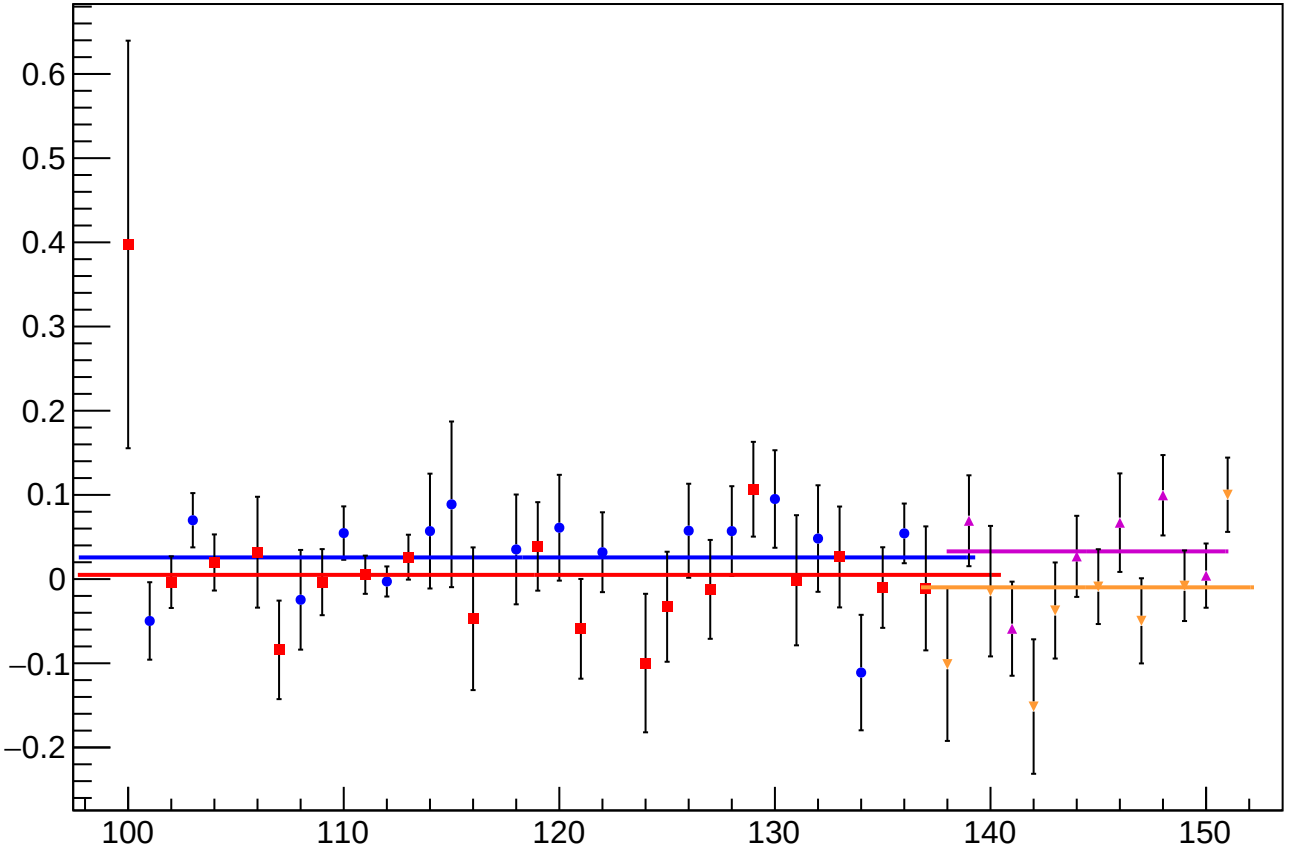
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 45.660+/-0.014 χ²/NDF:575787.9/7
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 44.347+/-0.014 χ²/NDF:178543.5/5
Left: 45.031+/-0.010 χ²/NDF: 758842.4/13
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 28.880+/-0.006 χ²/NDF:3999648.4/21
Out: 30.136+/-0.006 χ²/NDF:3881855.4/26
All: 29.514+/-0.005 χ²/NDF: 7900355.2/48

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.033+/-0.020 χ^2/NDF:6.0/5

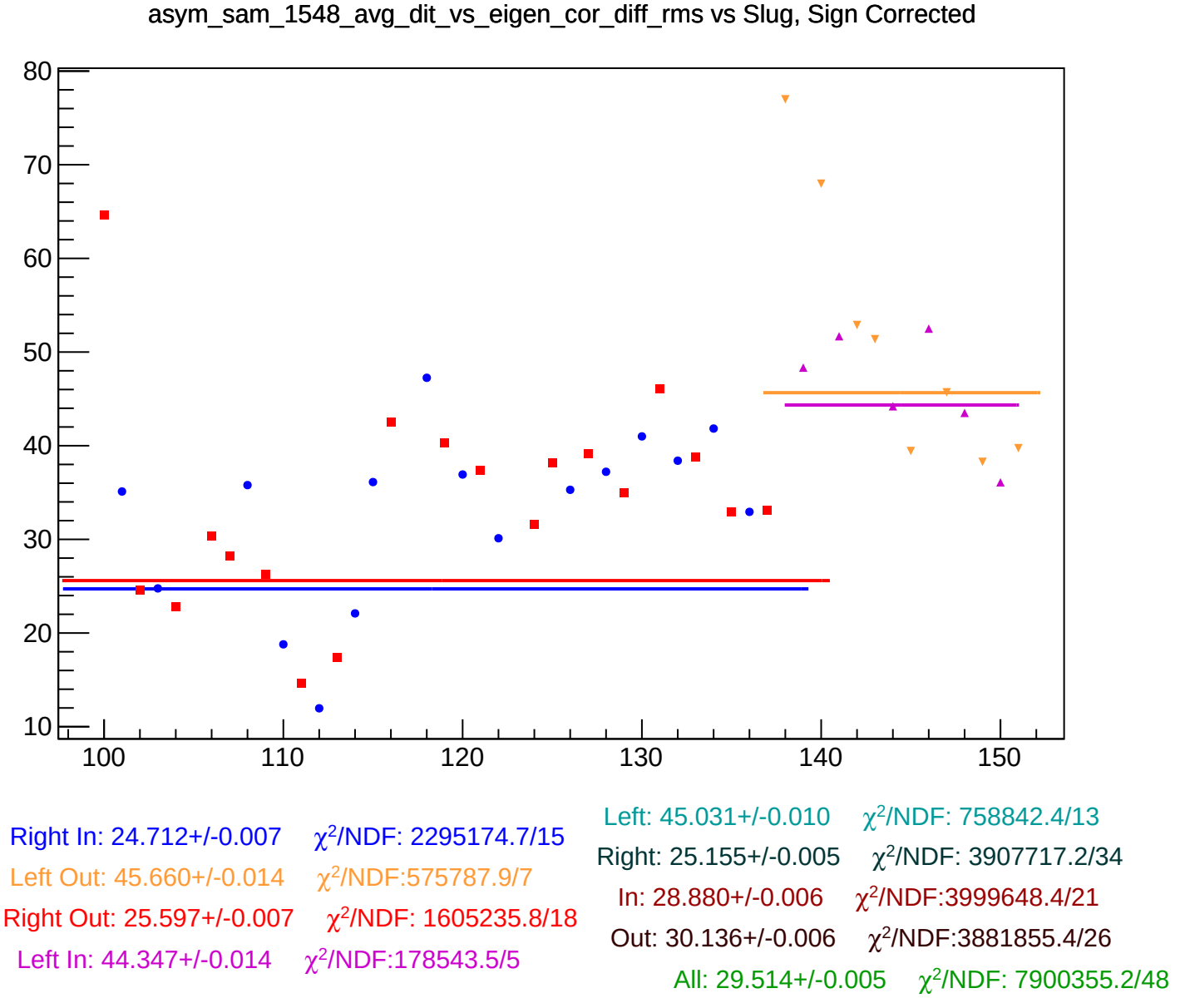
Left: 0.011+/-0.014 χ^2/NDF: 19.6/13

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:22.6/21

Out: 0.002+/-0.009 χ^2/NDF:25.3/26

All: 0.014+/-0.006 χ^2/NDF: 51.8/48


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
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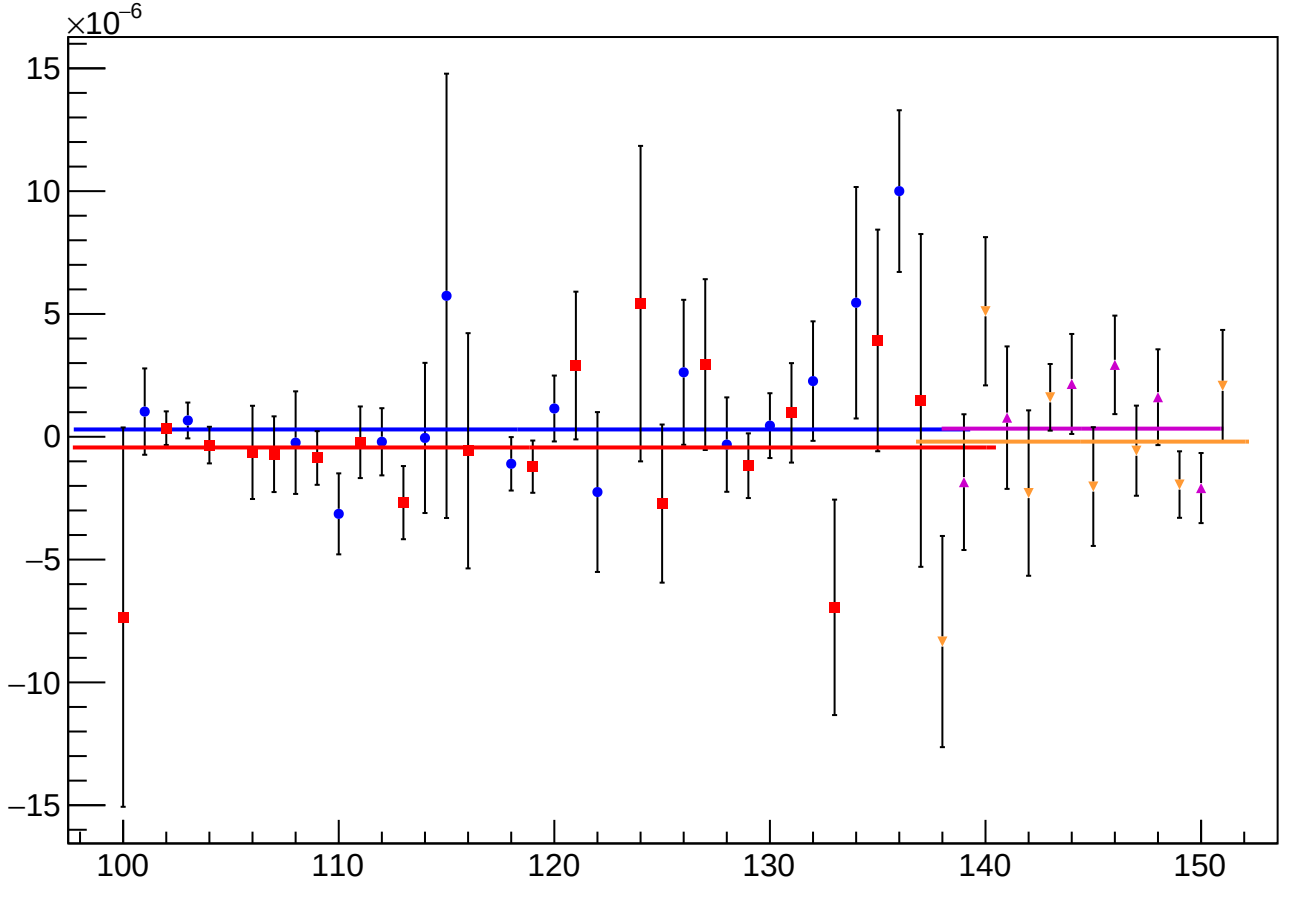
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 45.660+/-0.014 χ²/NDF:575787.9/7
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 44.347+/-0.014 χ²/NDF:178543.5/5
Left: 45.031+/-0.010 χ²/NDF: 758842.4/13
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 28.880+/-0.006 χ²/NDF:3999648.4/21
Out: 30.136+/-0.006 χ²/NDF:3881855.4/26
All: 29.514+/-0.005 χ²/NDF: 7900355.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/5

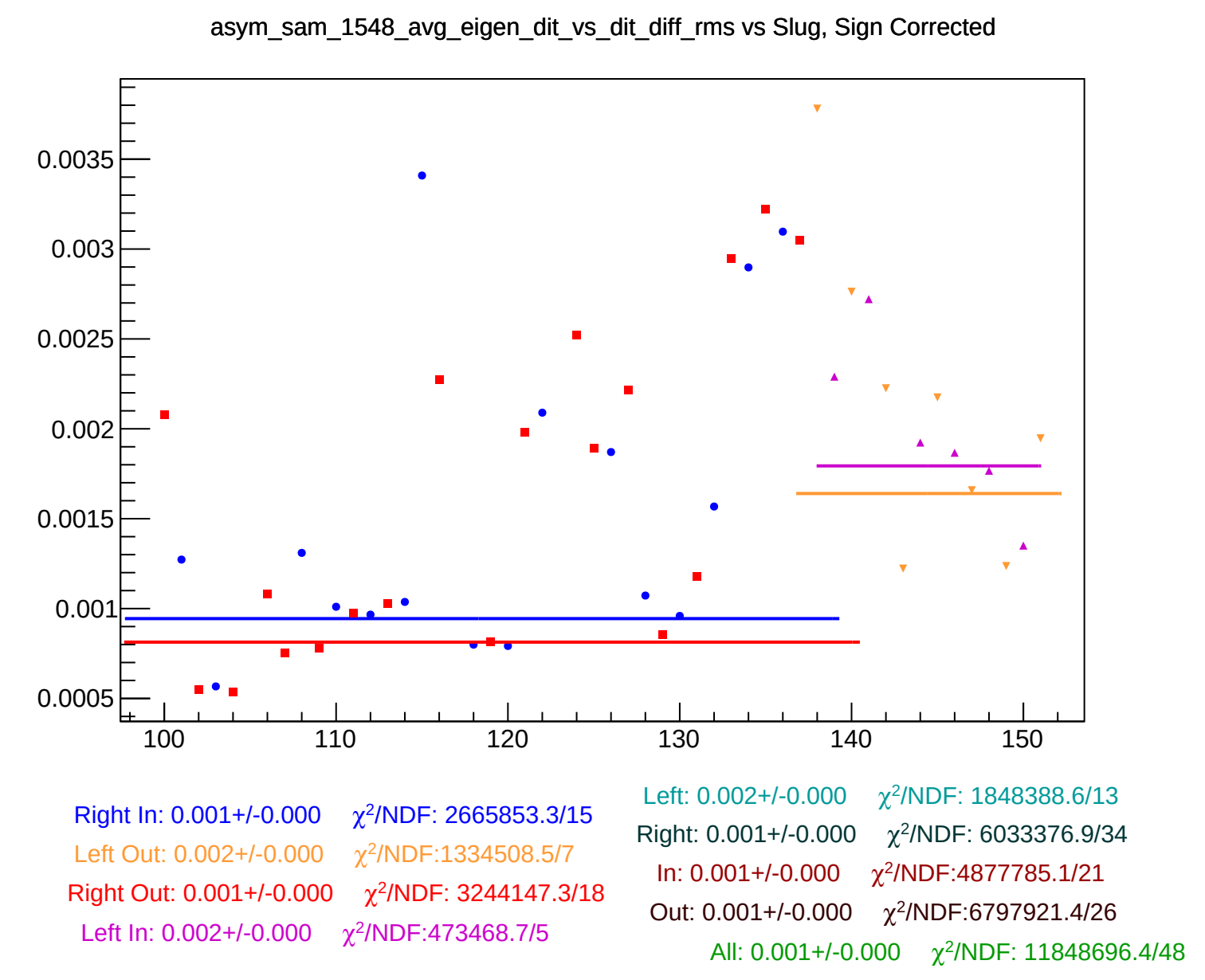
Left: 0.000+/-0.000 χ^2/NDF: 18.8/13

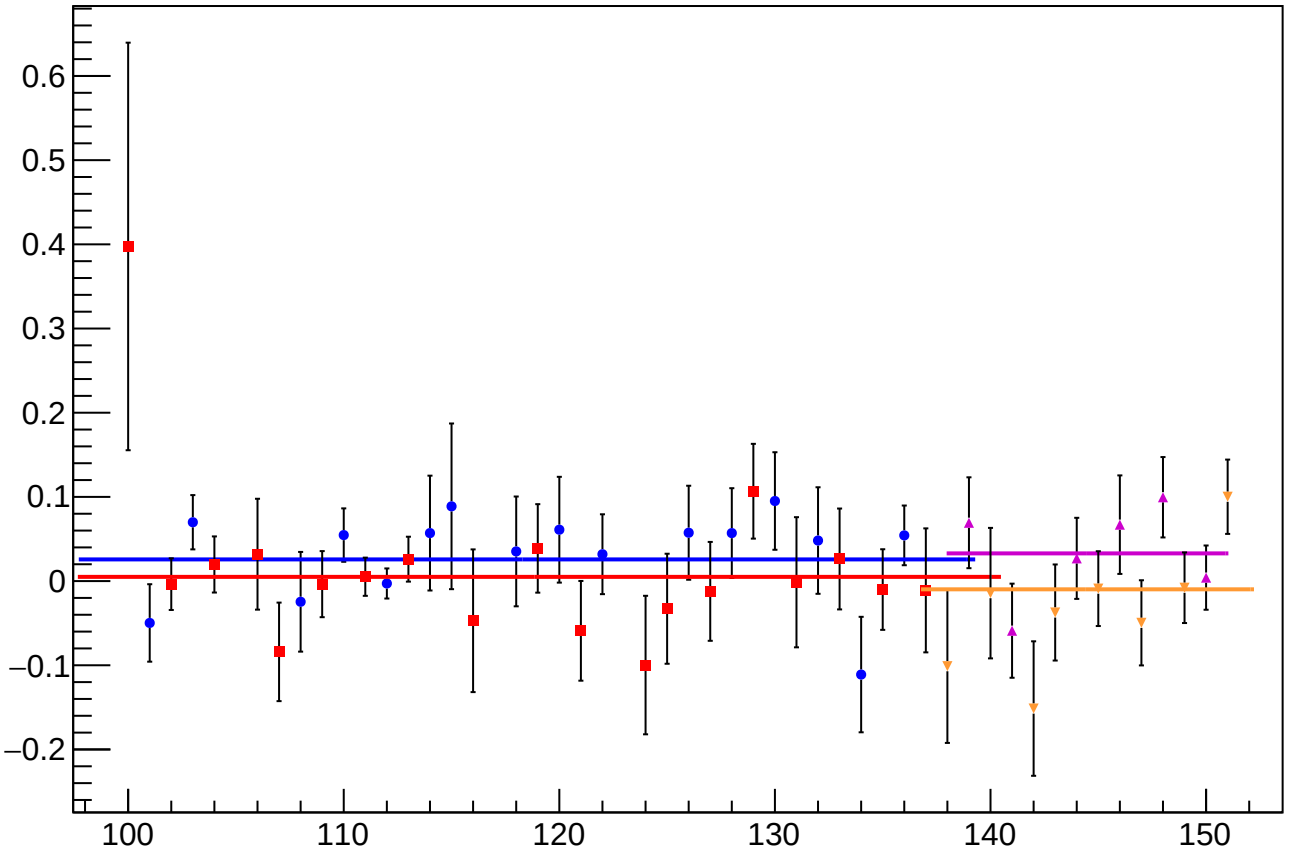
Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:25.7/21

Out: -0.000+/-0.000 χ^2/NDF:24.9/26

All: -0.000+/-0.000 χ^2/NDF: 52.8/48


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1334508.5/7
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:473468.7/5
Left: 0.002+/-0.000 χ²/NDF: 1848388.6/13
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:4877785.1/21
Out: 0.001+/-0.000 χ²/NDF:6797921.4/26
All: 0.001+/-0.000 χ²/NDF: 11848696.4/48



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.033+/-0.020 χ^2/NDF:6.0/5

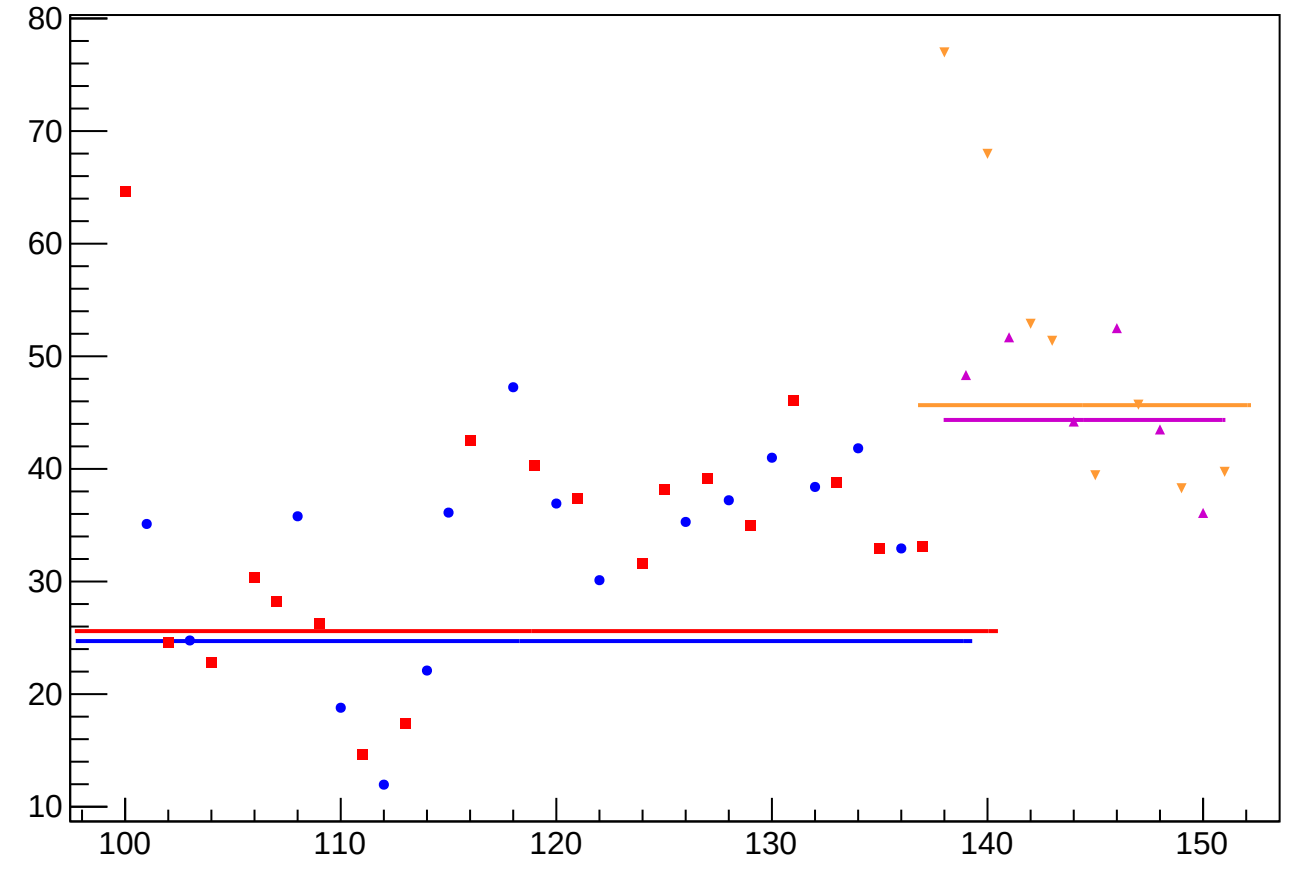
Left: 0.011+/-0.014 χ^2/NDF: 19.6/13

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:22.6/21

Out: 0.002+/-0.009 χ^2/NDF:25.3/26

All: 0.014+/-0.006 χ^2/NDF: 51.8/48



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.661+/-0.014 χ^2/NDF:575771.6/7

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.348+/-0.014 χ^2/NDF:178546.1/5

Left: 45.032+/-0.010 χ^2/NDF: 758828.7/13

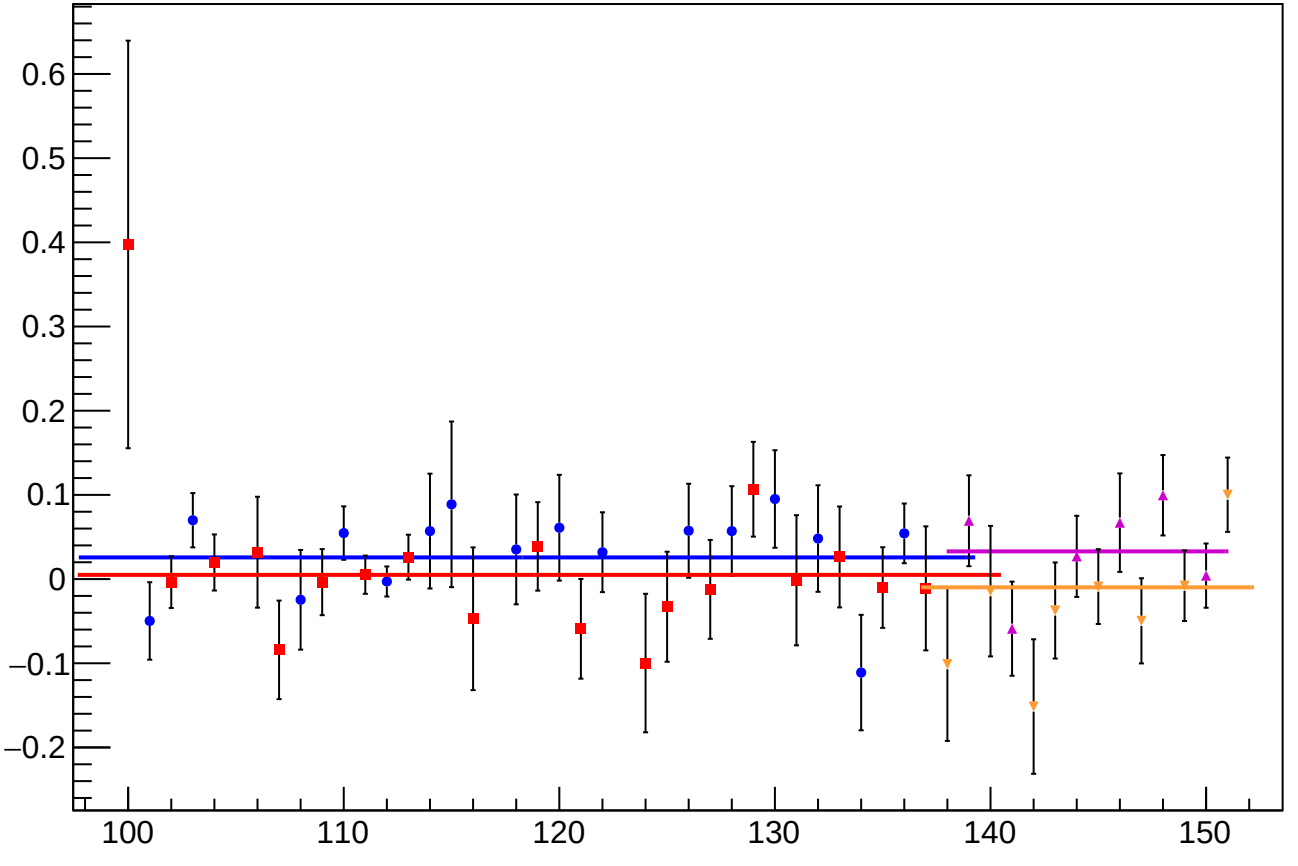
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 28.880+/-0.006 χ^2/NDF:3999987.5/21

Out: 30.136+/-0.006 χ^2/NDF:3882141.7/26

All: 29.514+/-0.005 χ^2/NDF: 7900985.7/48

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.033+/-0.020 χ^2/NDF:6.0/5

Left: 0.011+/-0.014 χ^2/NDF: 19.6/13

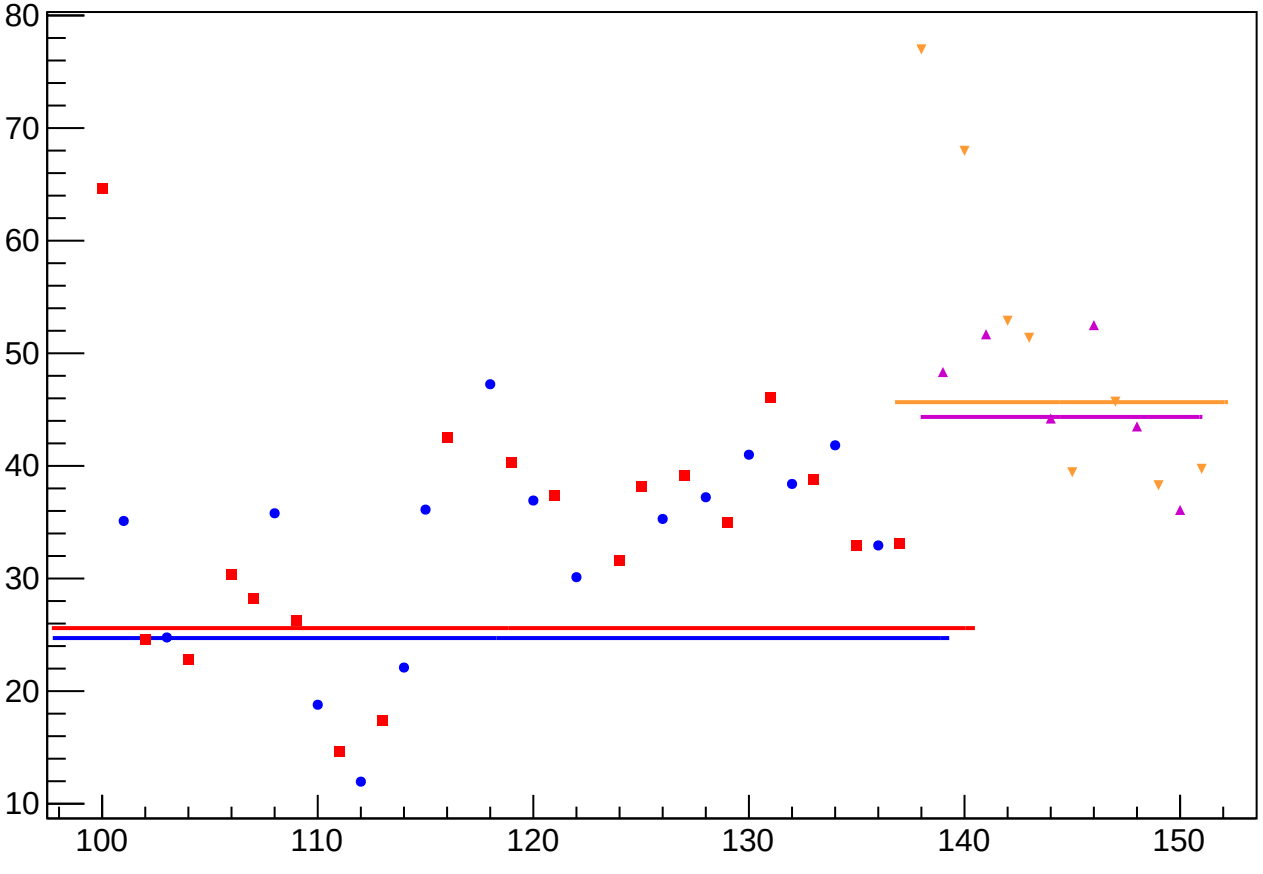
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:22.6/21

Out: 0.002+/-0.009 χ^2/NDF:25.3/26

All: 0.014+/-0.006 χ^2/NDF: 51.8/48

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.661+/-0.014 χ^2/NDF:575771.6/7

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 44.348+/-0.014 χ^2/NDF:178546.1/5

Left: 45.032+/-0.010 χ^2/NDF: 758828.7/13

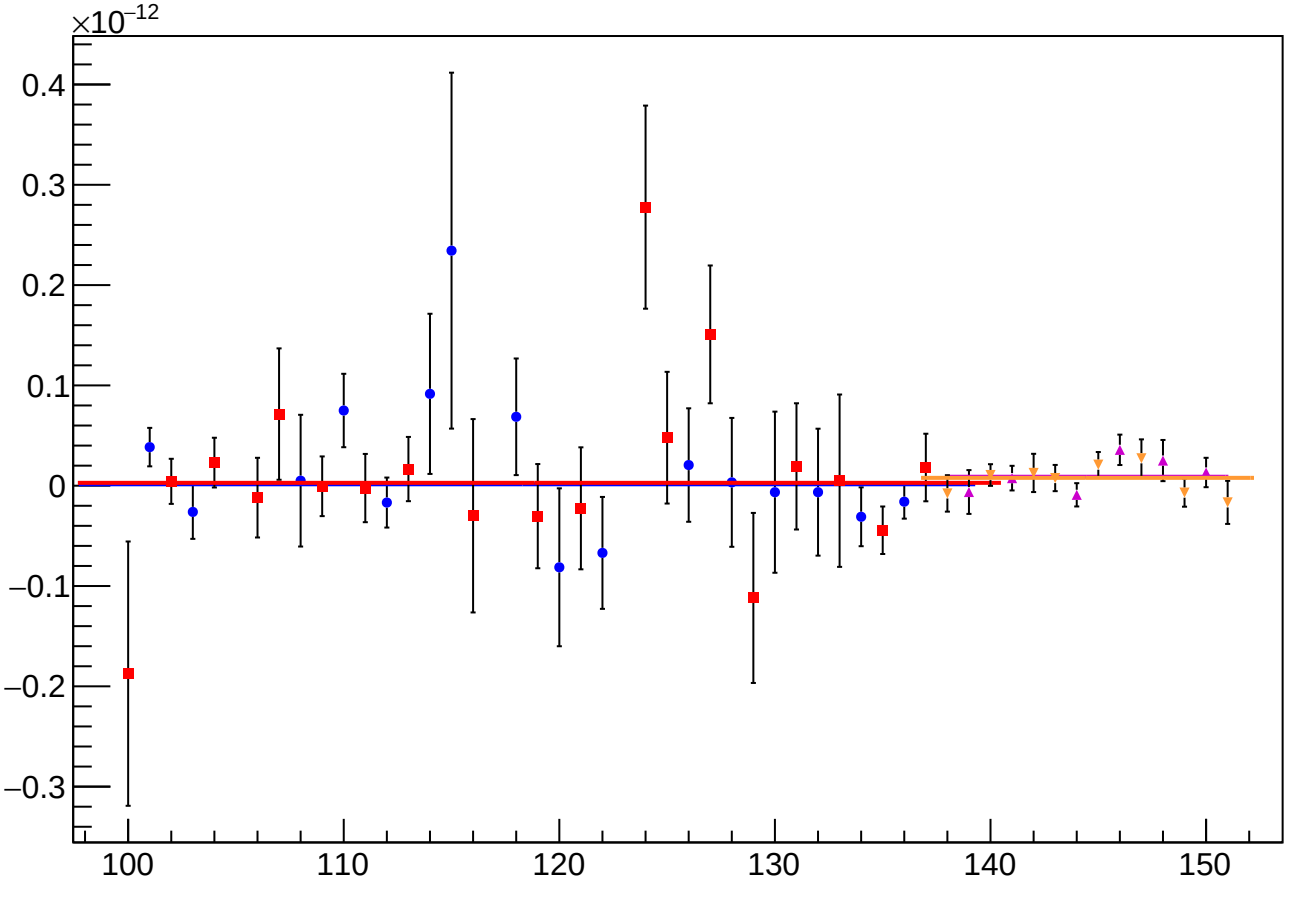
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 28.880+/-0.006 χ^2/NDF:3999987.5/21

Out: 30.136+/-0.006 χ^2/NDF:3882141.7/26

All: 29.514+/-0.005 χ^2/NDF: 7900985.7/48

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/5

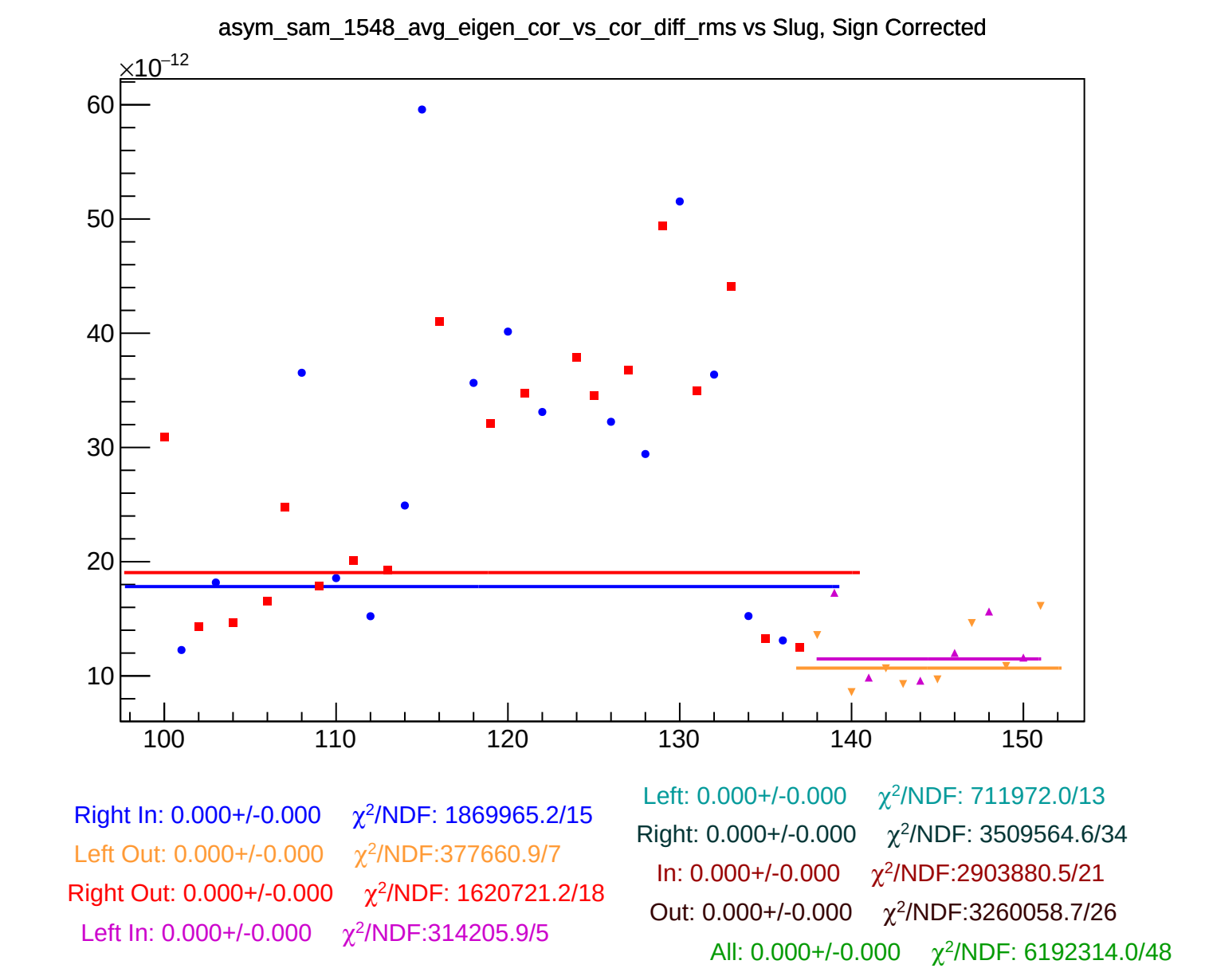
Left: 0.000+/-0.000 χ^2/NDF: 12.2/13

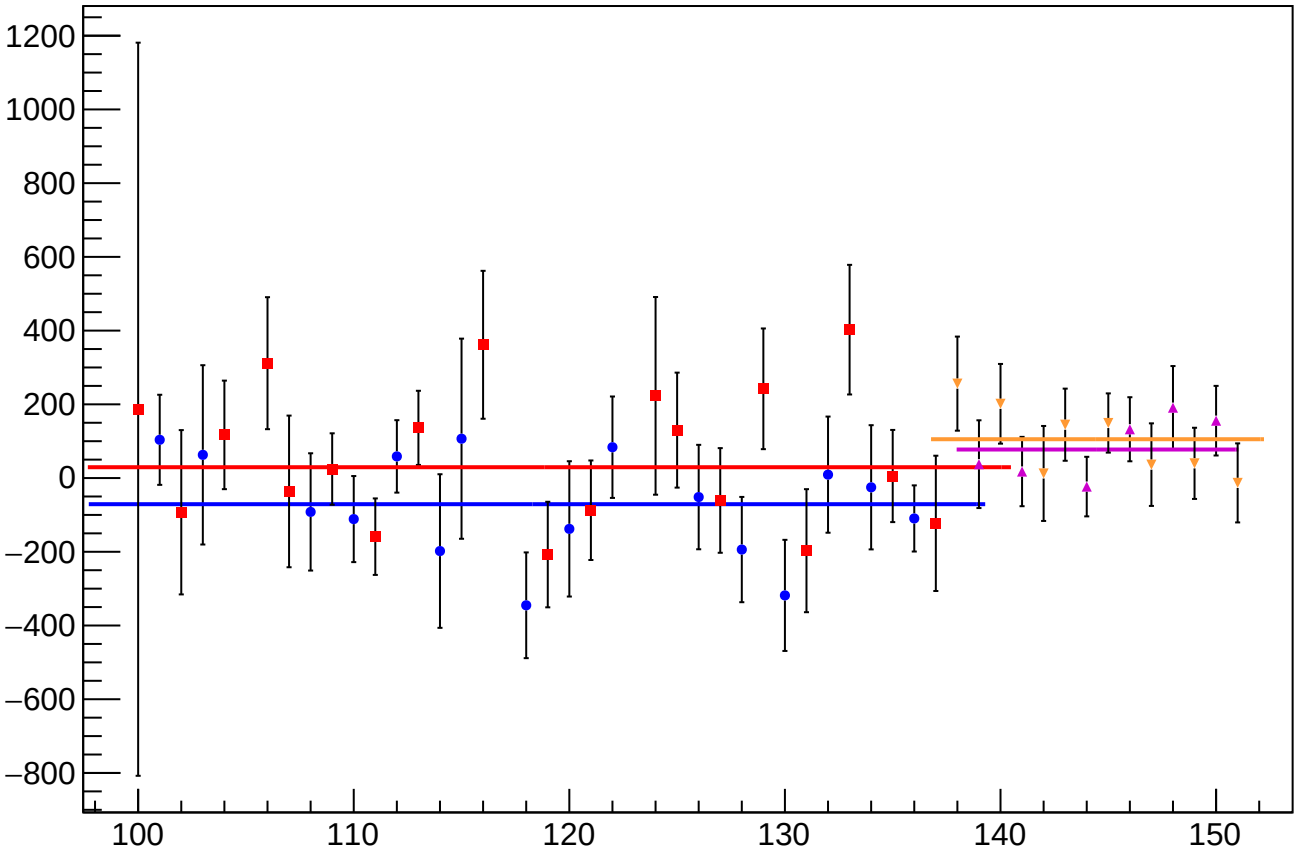
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:26.0/21

Out: 0.000+/-0.000 χ^2/NDF:29.1/26

All: 0.000+/-0.000 χ^2/NDF: 55.1/48


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:377660.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:314205.9/5
Left: 0.000+/-0.000 χ²/NDF: 711972.0/13
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2903880.5/21
Out: 0.000+/-0.000 χ²/NDF:3260058.7/26
All: 0.000+/-0.000 χ²/NDF: 6192314.0/48



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 105.347+/-36.747 χ^2/NDF:5.2/7

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 77.417+/-38.929 χ^2/NDF:4.2/5

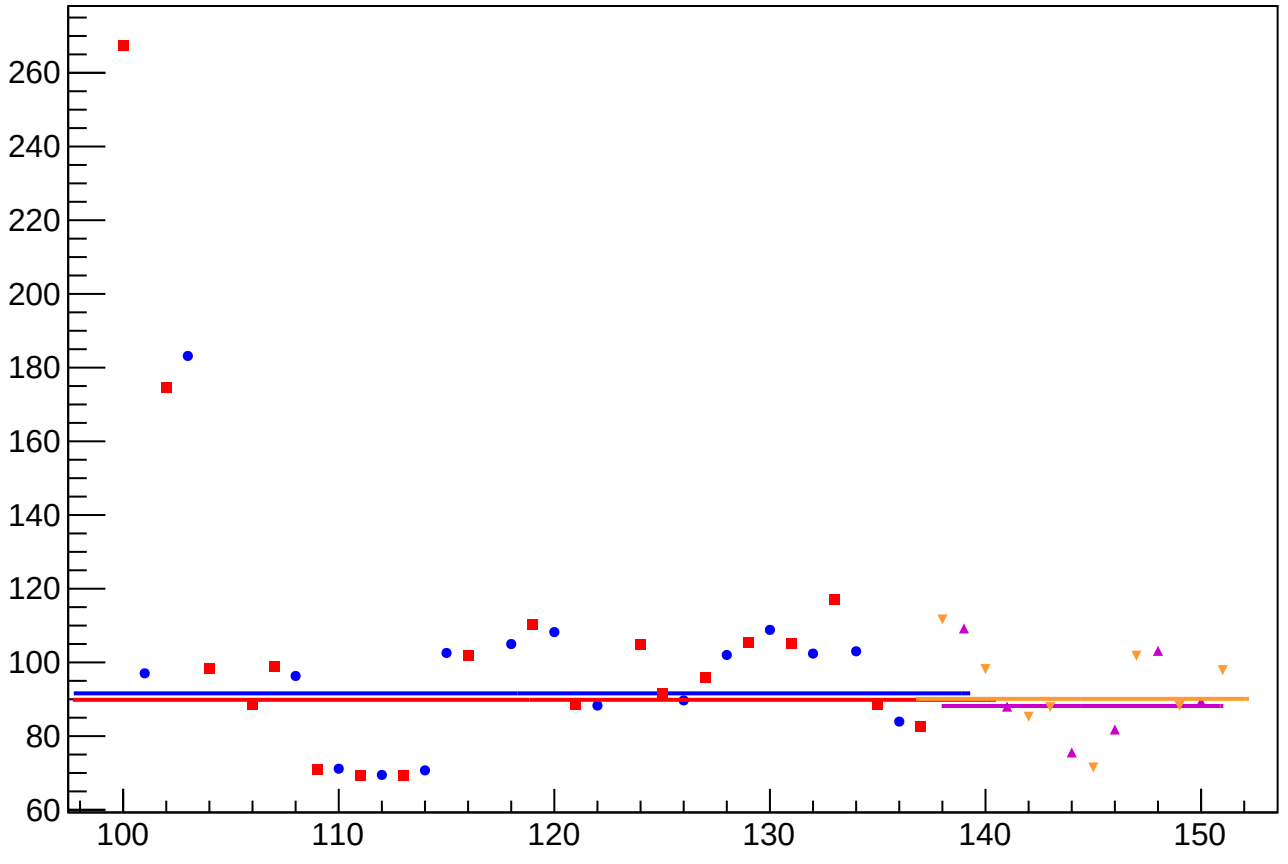
Left: 92.186+/-26.722 χ^2/NDF: 9.7/13

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: -4.341+/-26.077 χ^2/NDF:26.2/21

Out: 64.703+/-25.052 χ^2/NDF:31.5/26

All: 31.565+/-18.066 χ^2/NDF: 61.4/48



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.178+/-0.028 χ^2/NDF:157359.8/5

Left: 89.205+/-0.019 χ^2/NDF: 372631.1/13

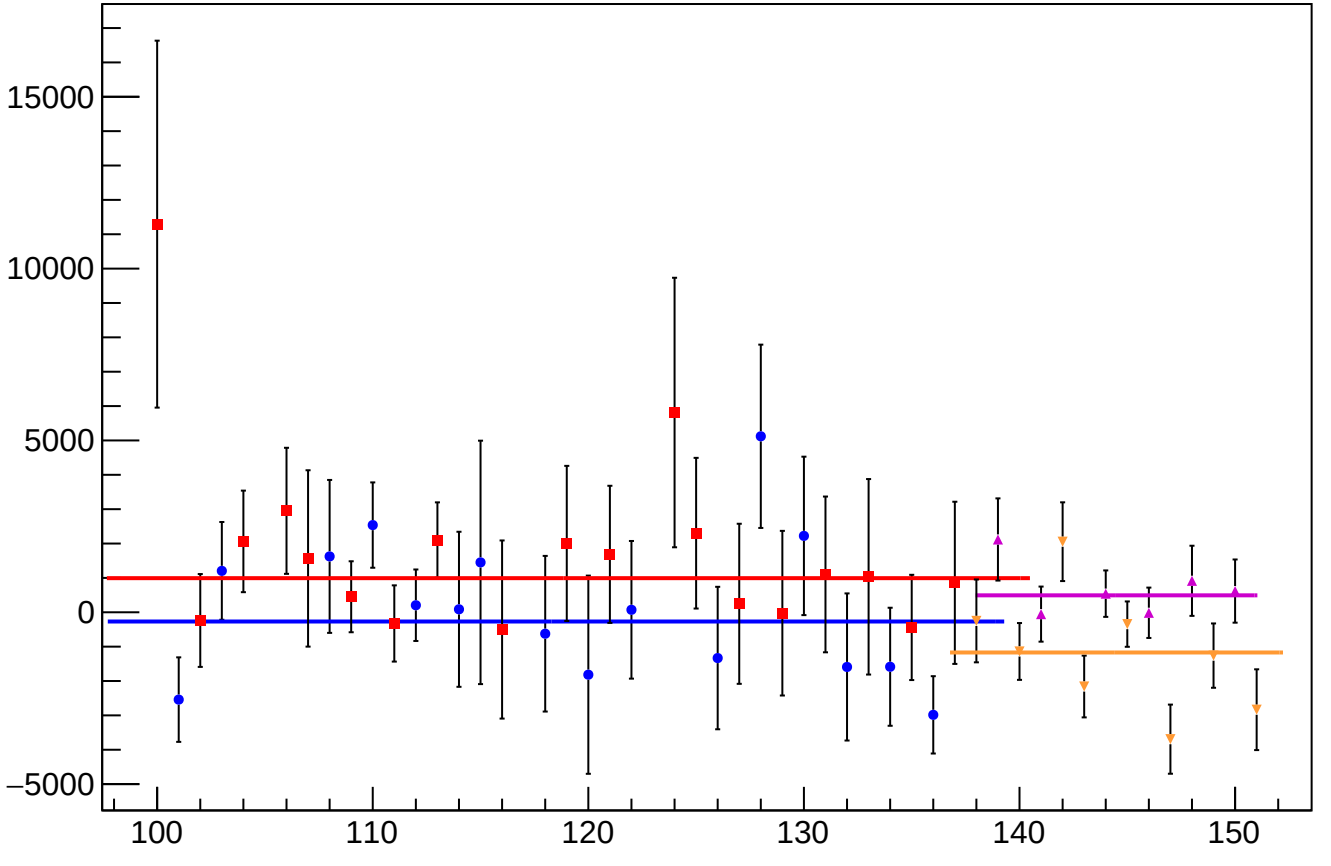
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.069+/-0.018 χ^2/NDF:746591.5/21

Out: 89.978+/-0.018 χ^2/NDF:958982.6/26

All: 90.022+/-0.013 χ^2/NDF: 1705586.7/48

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1170.079+/-327.909 χ^2/NDF:19.6/7

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 492.994+/-343.951 χ^2/NDF:3.0/5

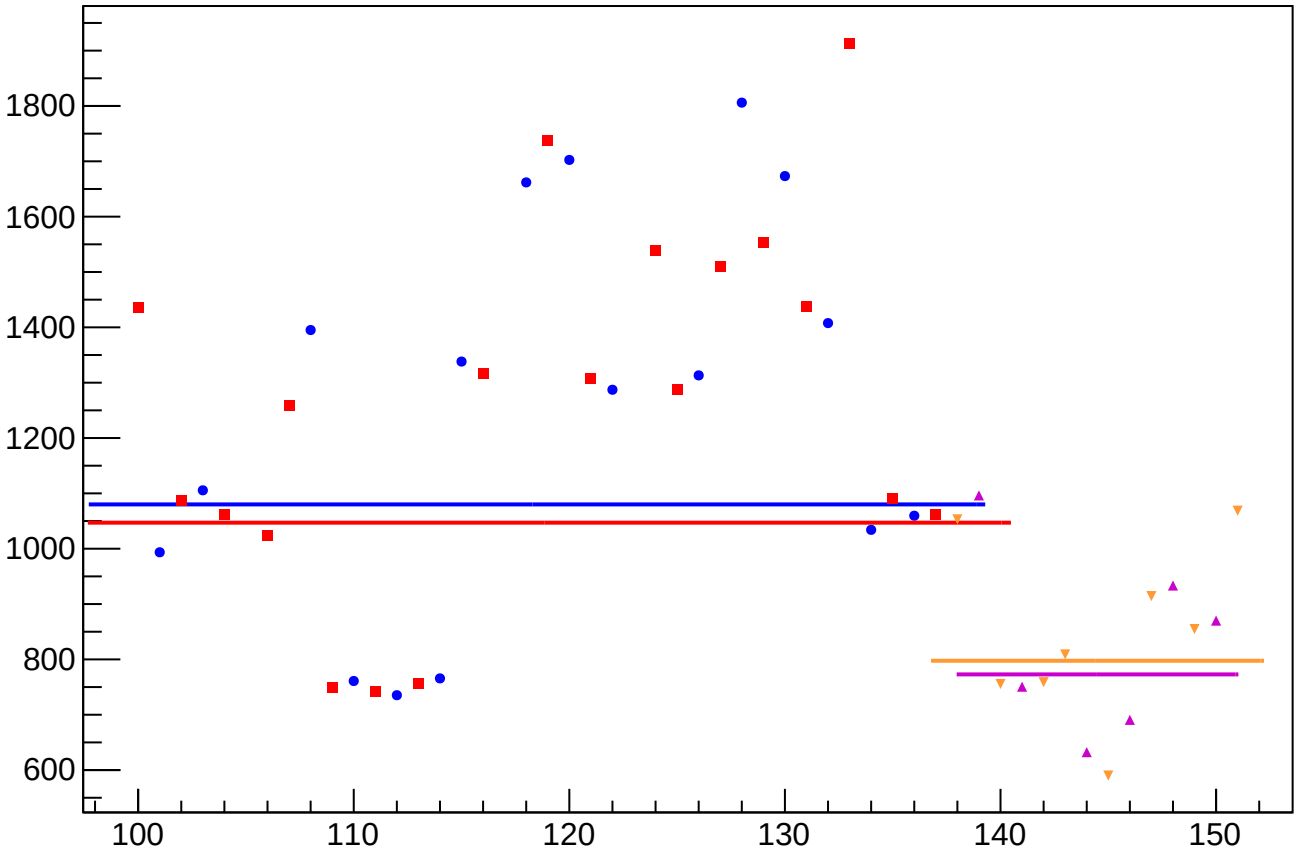
Left: -378.229+/-237.335 χ^2/NDF: 34.8/13

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 186.946+/-265.998 χ^2/NDF:28.4/21

Out: -302.959+/-253.799 χ^2/NDF:49.7/26

All: -69.497+/-183.624 χ^2/NDF: 79.9/48



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 797.555+/-0.232 χ^2/NDF:436113.4/7

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 772.896+/-0.243 χ^2/NDF:331264.6/5

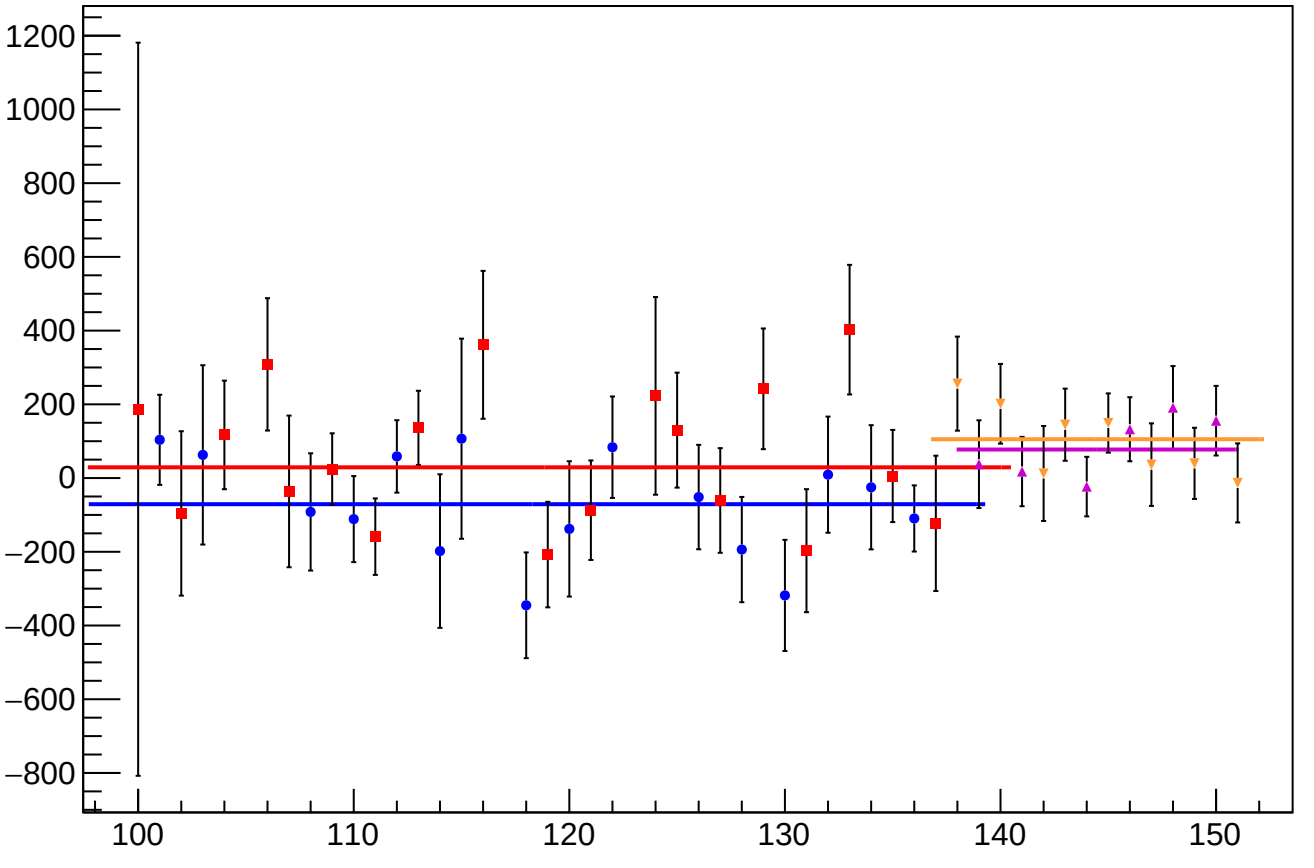
Left: 785.814+/-0.168 χ^2/NDF: 772763.5/13

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 896.343+/-0.188 χ^2/NDF:2025748.7/21

Out: 897.593+/-0.179 χ^2/NDF:2099040.0/26

All: 896.998+/-0.130 χ^2/NDF: 4124811.8/48



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 105.356+/-36.747 χ^2/NDF:5.2/7

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 77.420+/-38.929 χ^2/NDF:4.2/5

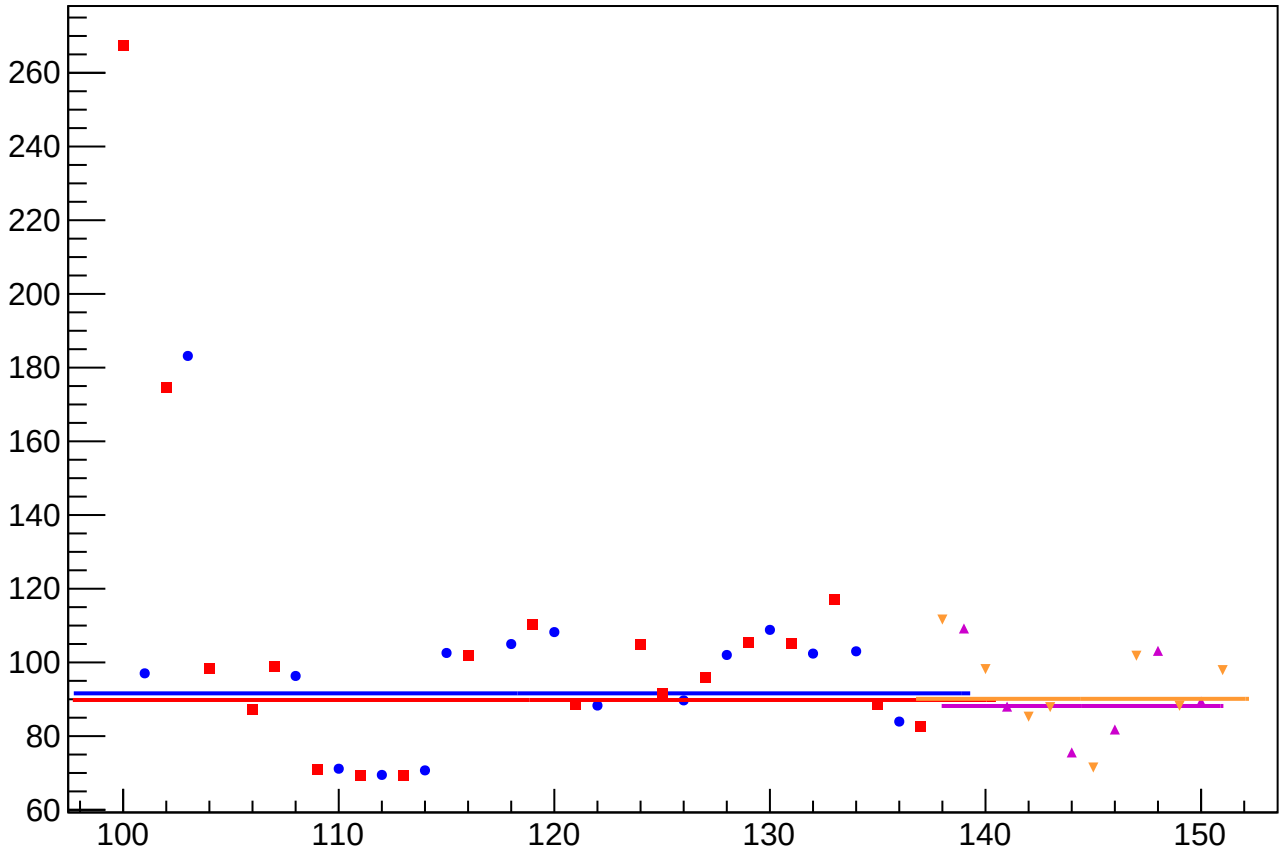
Left: 92.193+/-26.722 χ^2/NDF: 9.7/13

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -4.346+/-26.077 χ^2/NDF:26.2/21

Out: 64.578+/-25.053 χ^2/NDF:31.5/26

All: 31.495+/-18.067 χ^2/NDF: 61.3/48



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.178+/-0.028 χ^2/NDF:157359.8/5

Left: 89.205+/-0.019 χ^2/NDF: 372631.1/13

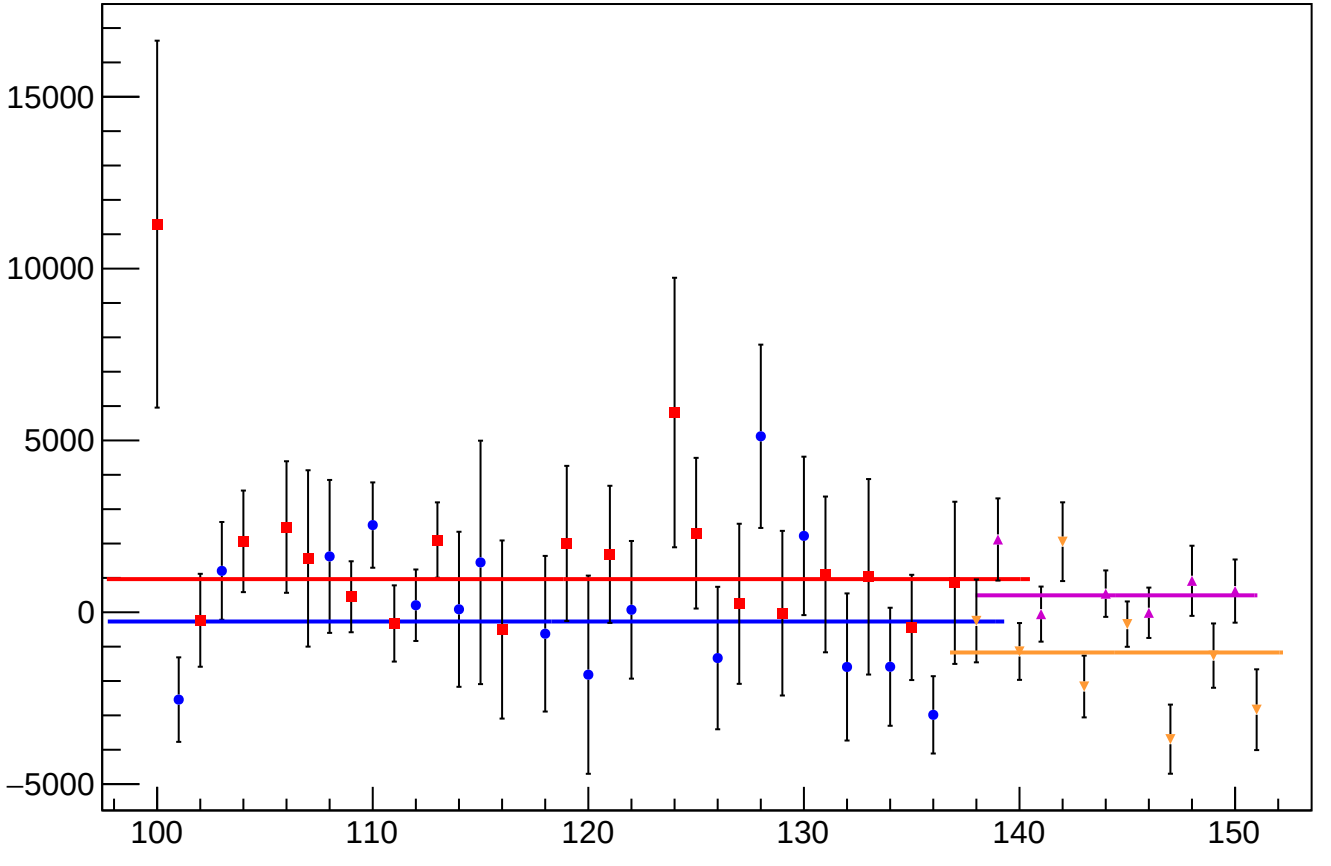
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.069+/-0.018 χ^2/NDF:746594.6/21

Out: 89.953+/-0.018 χ^2/NDF:959548.8/26

All: 90.009+/-0.013 χ^2/NDF: 1706164.0/48

asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1170.070+/-327.909 χ^2/NDF:19.6/7

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 493.003+/-343.951 χ^2/NDF:3.0/5

Left: -378.220+/-237.335 χ^2/NDF: 34.8/13

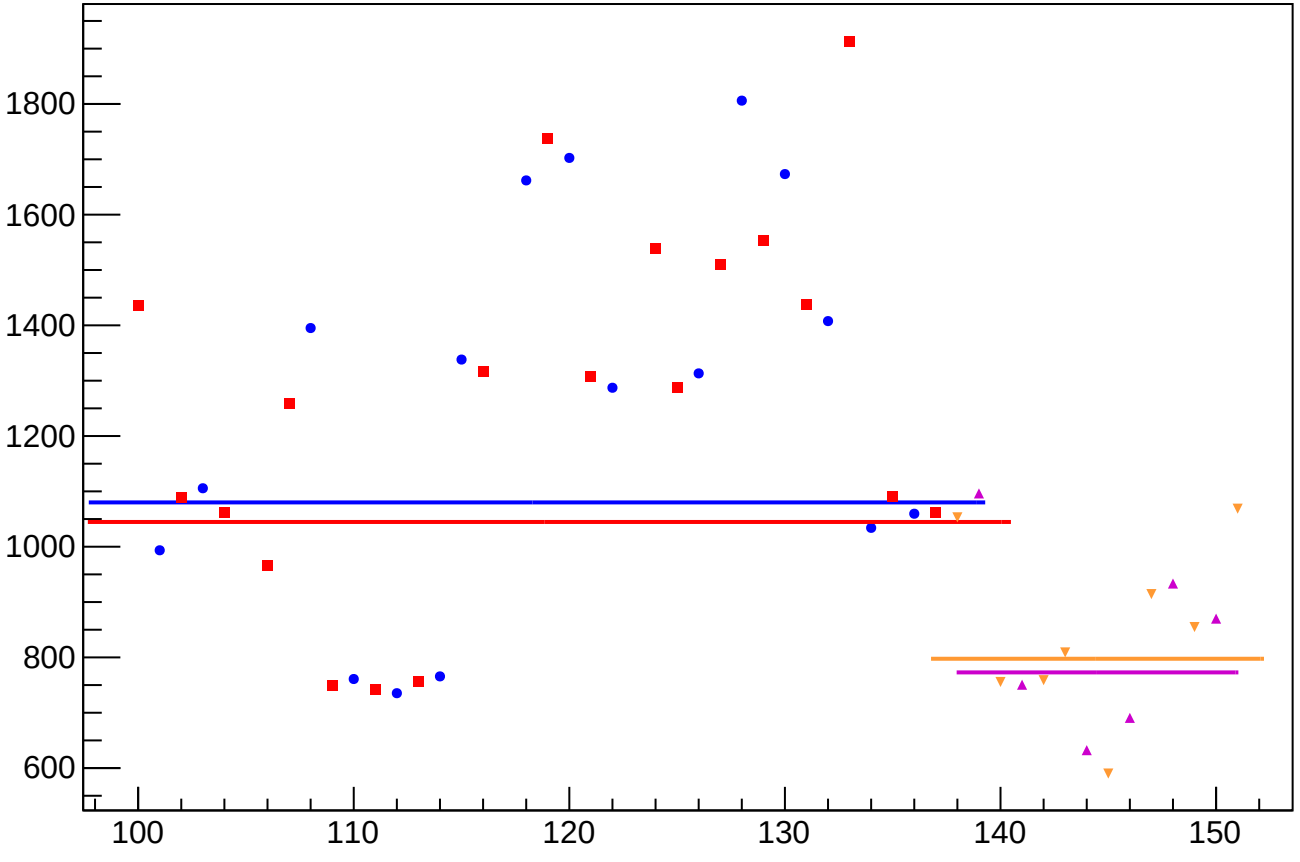
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 186.946+/-265.999 χ^2/NDF:28.4/21

Out: -316.119+/-254.004 χ^2/NDF:48.6/26

All: -76.184+/-183.702 χ^2/NDF: 78.9/48

asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 797.555+/-0.232 χ^2/NDF:436115.9/7

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 772.896+/-0.243 χ^2/NDF:331263.8/5

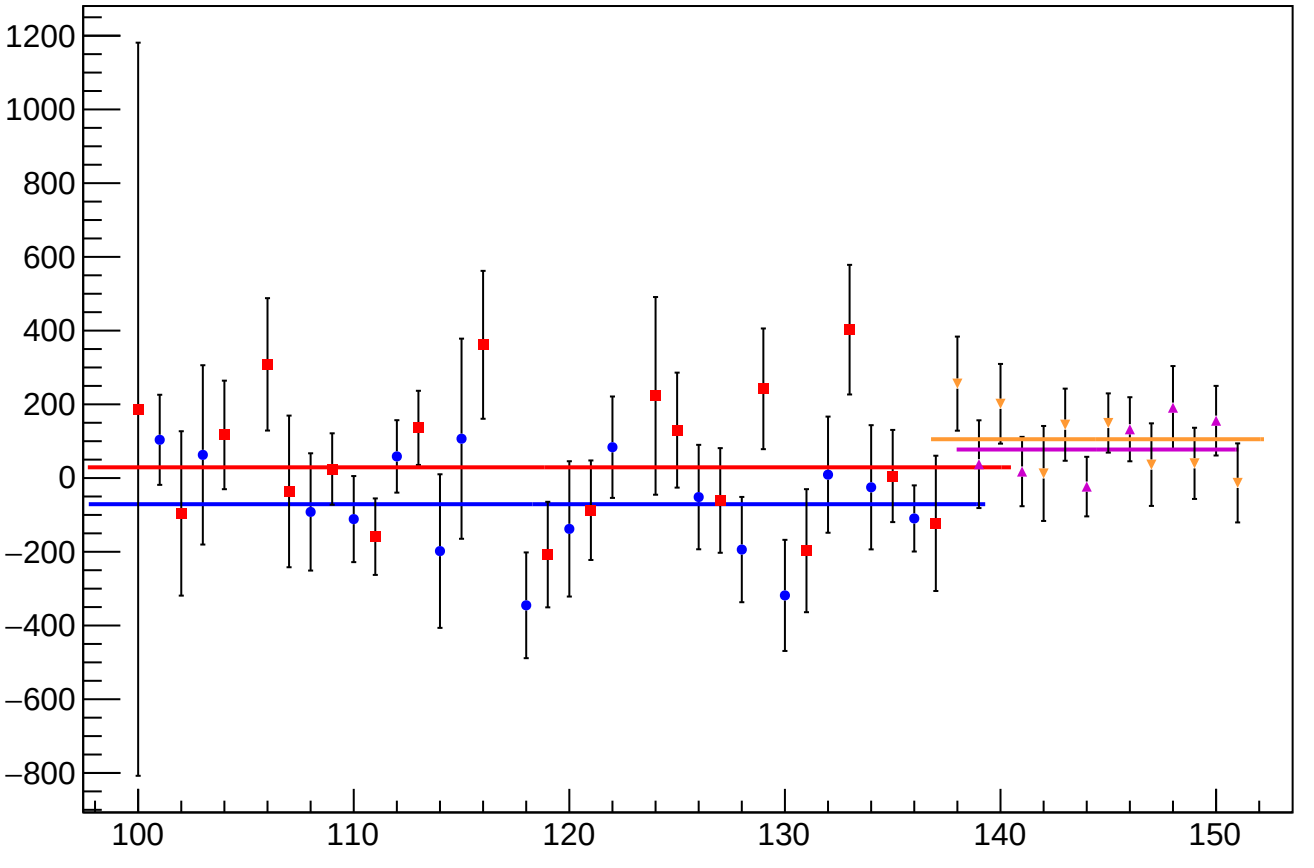
Left: 785.814+/-0.168 χ^2/NDF: 772764.9/13

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 896.346+/-0.188 χ^2/NDF:2025782.8/21

Out: 896.411+/-0.180 χ^2/NDF:2092415.5/26

All: 896.380+/-0.130 χ^2/NDF: 4118198.3/48



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 105.356+/-36.747 χ^2/NDF:5.2/7

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 77.420+/-38.929 χ^2/NDF:4.2/5

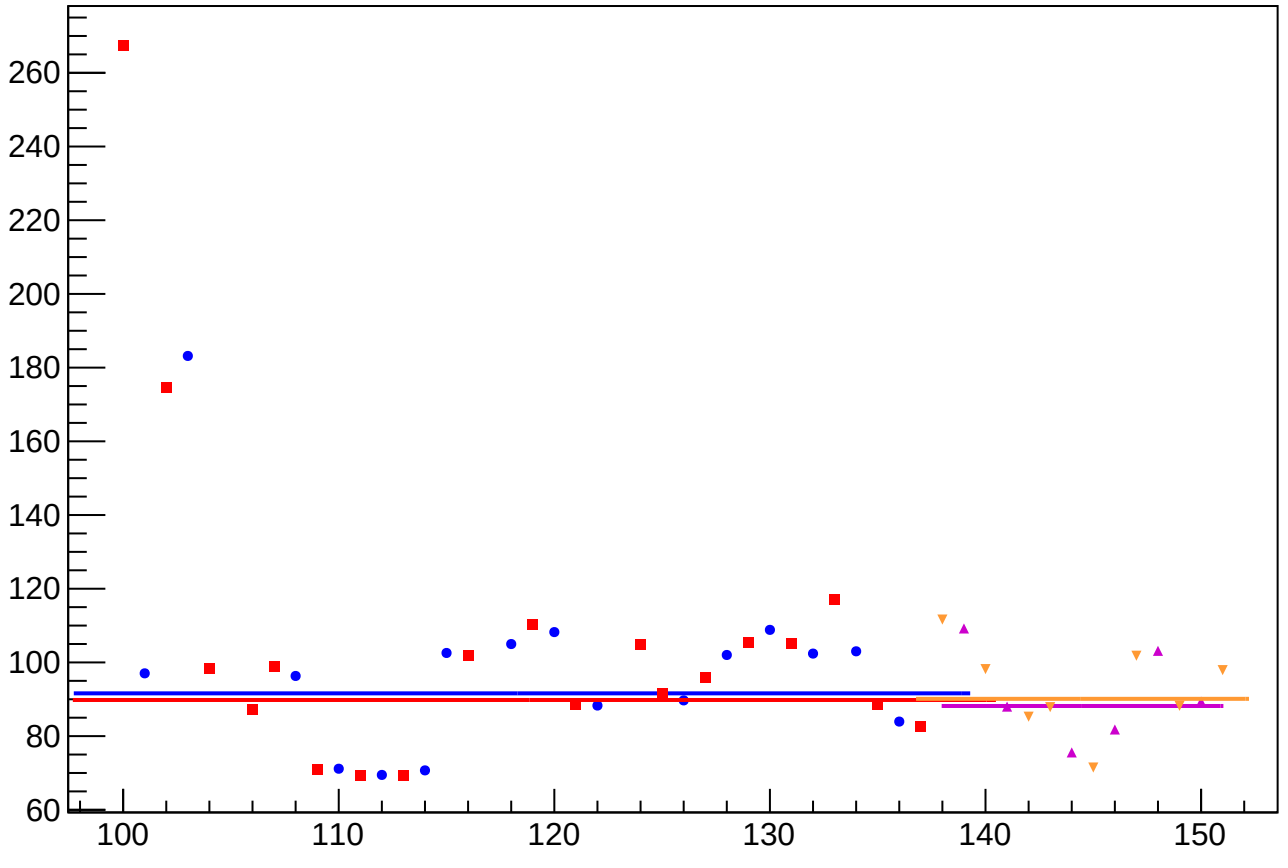
Left: 92.193+/-26.722 χ^2/NDF: 9.7/13

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: -4.346+/-26.077 χ^2/NDF:26.2/21

Out: 64.578+/-25.053 χ^2/NDF:31.5/26

All: 31.495+/-18.067 χ^2/NDF: 61.3/48



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.178+/-0.028 χ^2/NDF:157359.8/5

Left: 89.205+/-0.019 χ^2/NDF: 372631.1/13

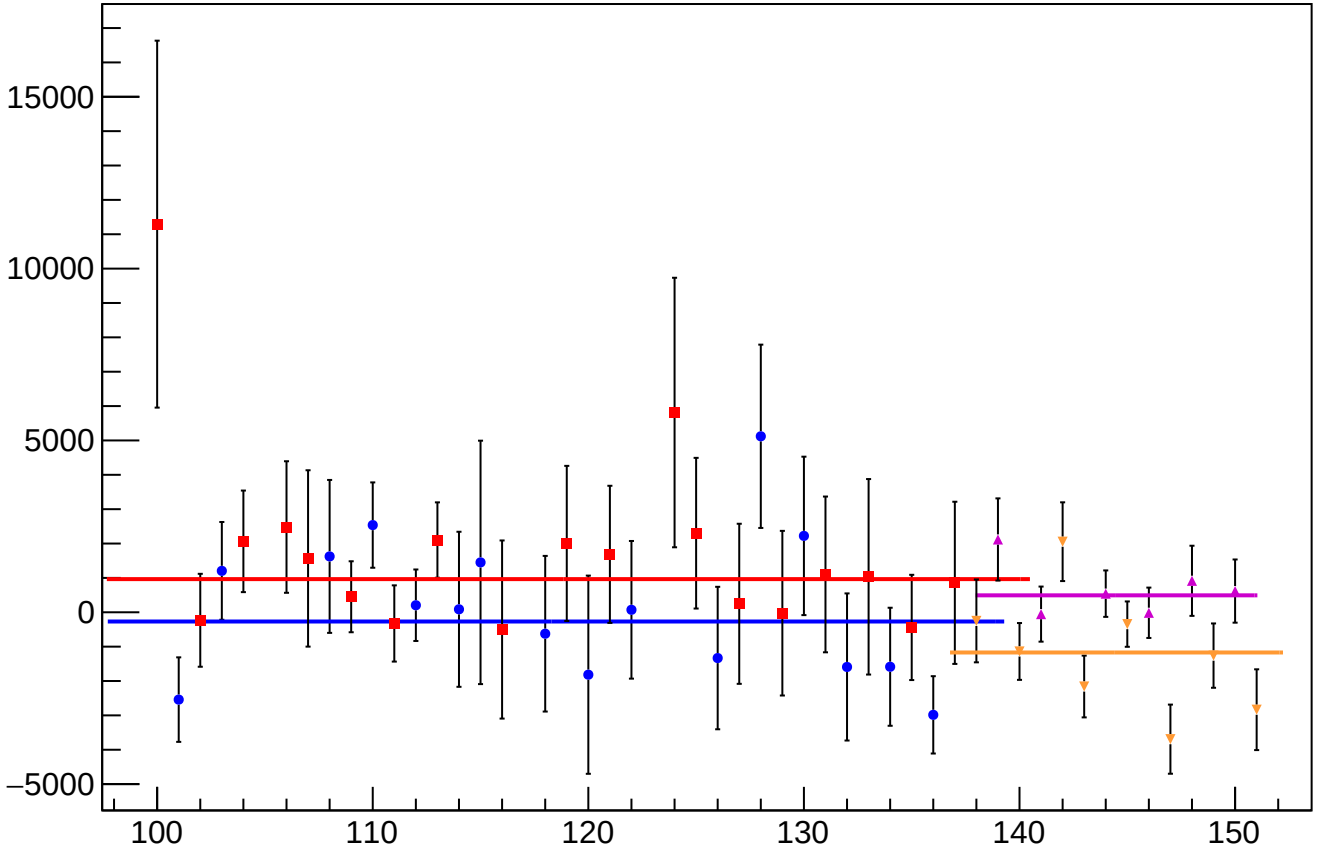
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.069+/-0.018 χ^2/NDF:746594.6/21

Out: 89.953+/-0.018 χ^2/NDF:959548.8/26

All: 90.009+/-0.013 χ^2/NDF: 1706164.0/48

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: -1170.070+/-327.909 χ^2/NDF:19.6/7

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 493.003+/-343.951 χ^2/NDF:3.0/5

Left: -378.220+/-237.335 χ^2/NDF: 34.8/13

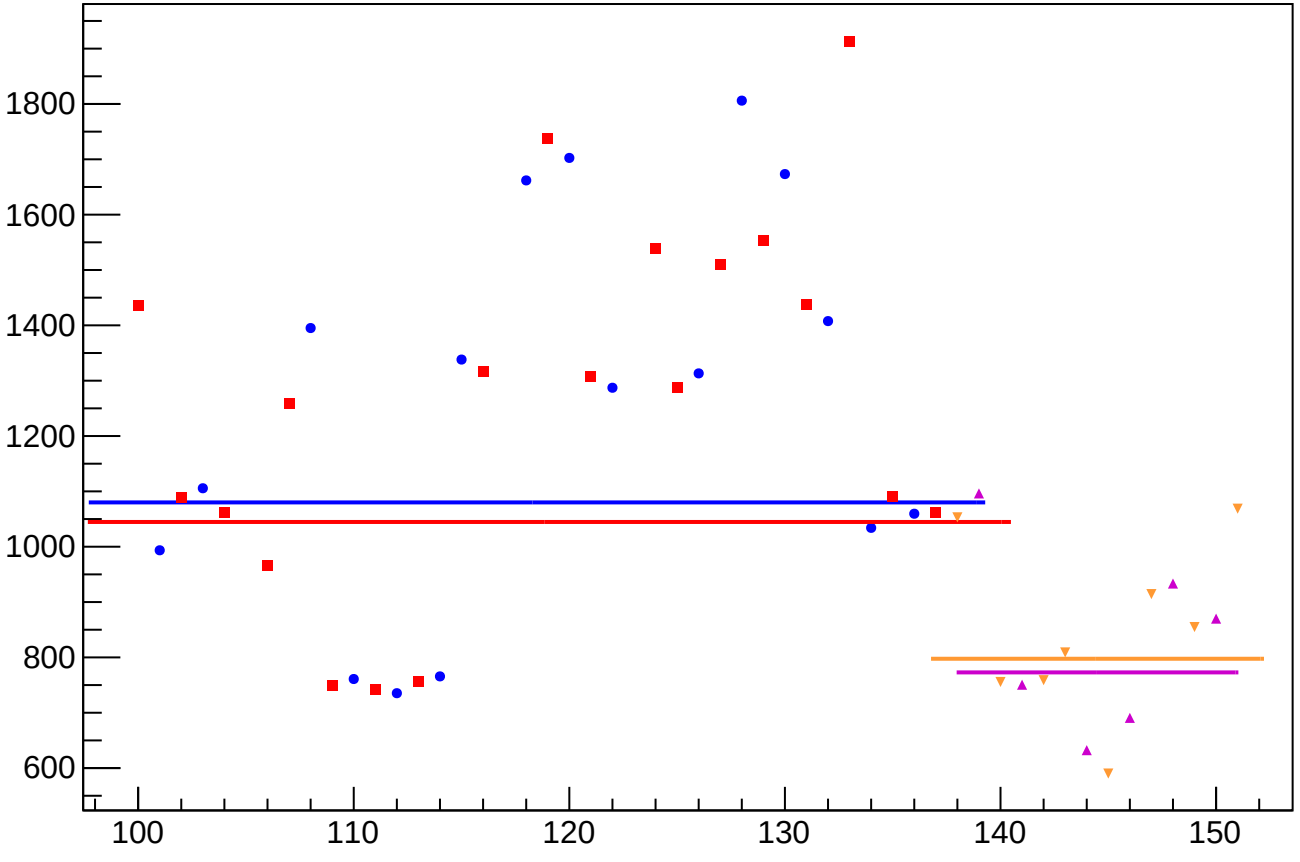
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 186.946+/-265.999 χ^2/NDF:28.4/21

Out: -316.119+/-254.004 χ^2/NDF:48.6/26

All: -76.184+/-183.702 χ^2/NDF: 78.9/48

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 797.555+/-0.232 χ^2/NDF:436115.9/7

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 772.896+/-0.243 χ^2/NDF:331263.8/5

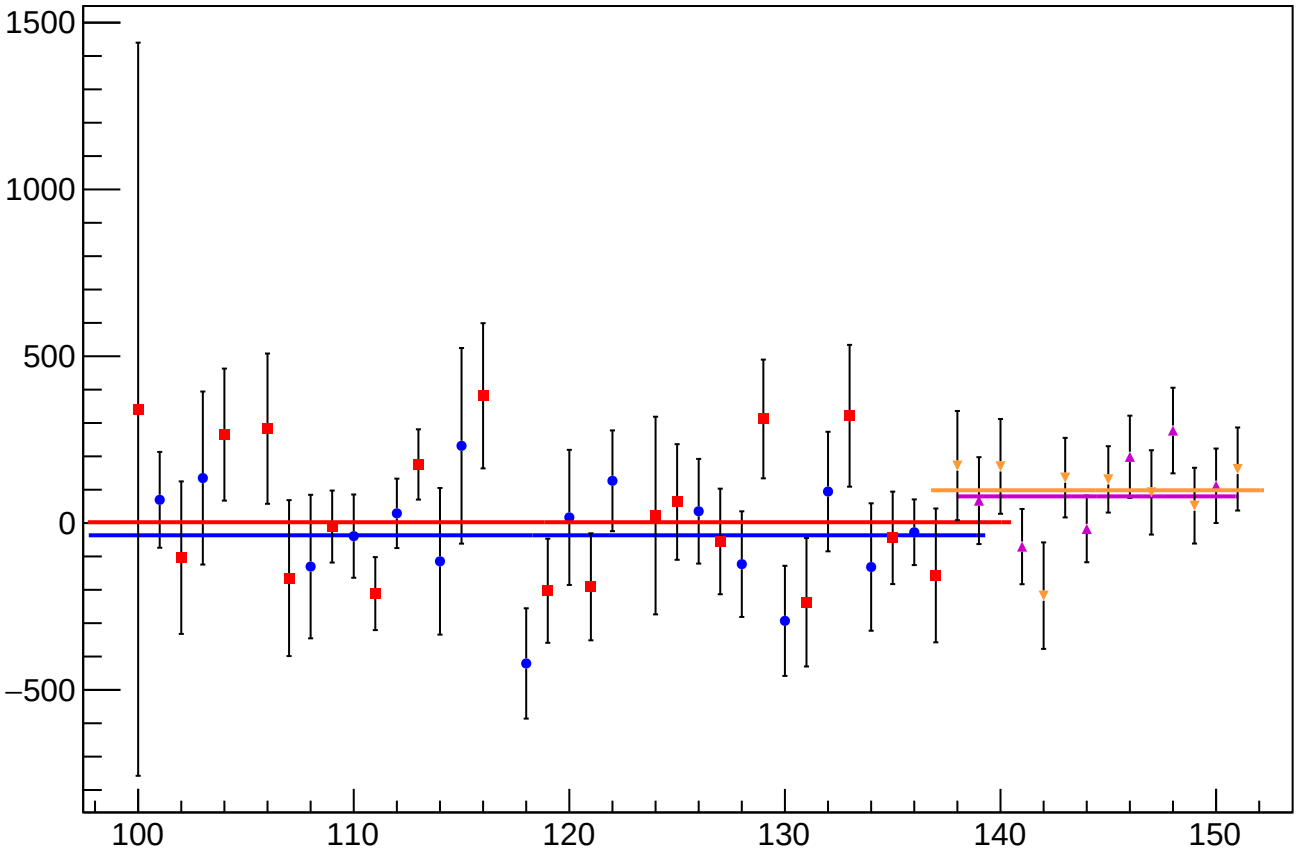
Left: 785.814+/-0.168 χ^2/NDF: 772764.9/13

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 896.346+/-0.188 χ^2/NDF:2025782.8/21

Out: 896.411+/-0.180 χ^2/NDF:2092415.5/26

All: 896.380+/-0.130 χ^2/NDF: 4118198.3/48



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 98.357+/-44.617 χ^2/NDF:5.0/7

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 80.039+/-47.434 χ^2/NDF:6.1/5

Left: 89.758+/-32.499 χ^2/NDF: 11.2/13

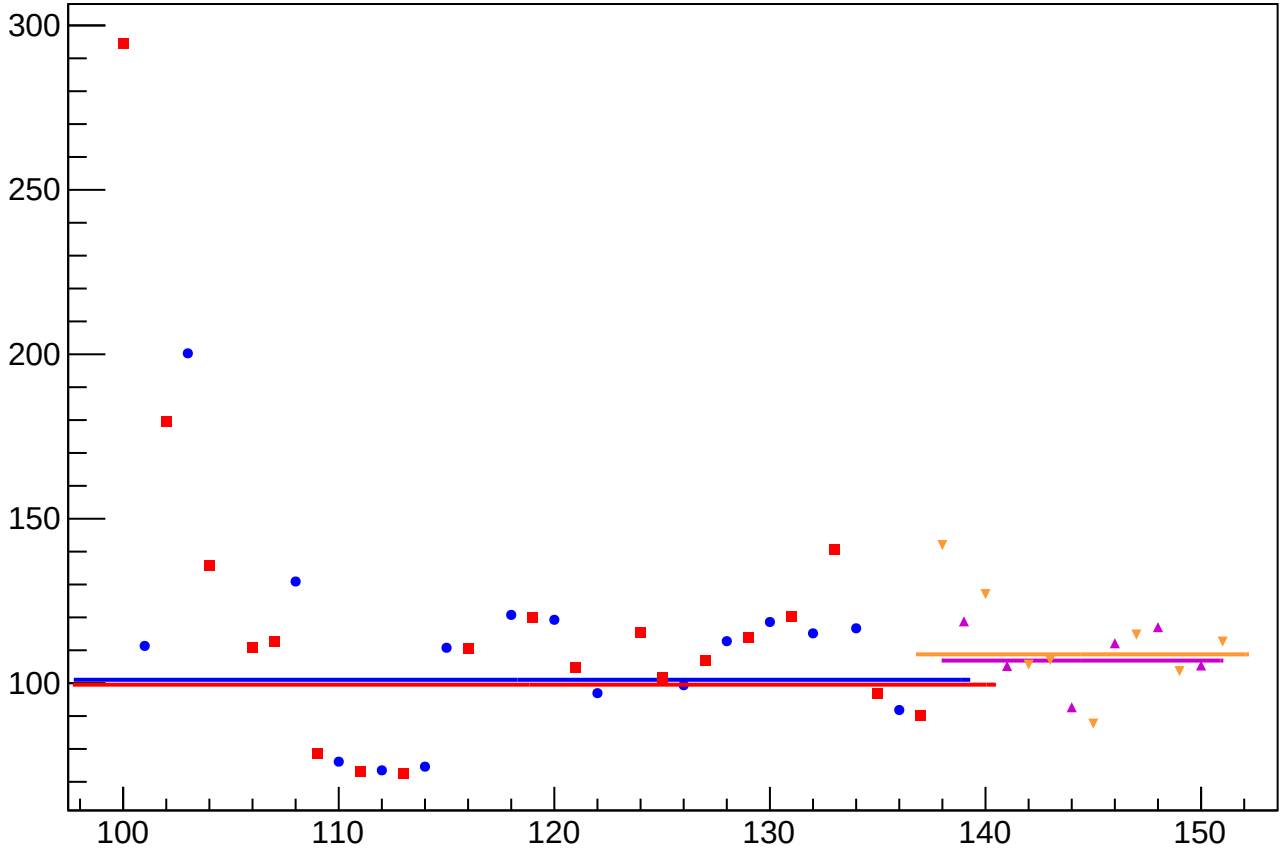
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 10.438+/-30.121 χ^2/NDF:22.6/21

Out: 43.041+/-29.002 χ^2/NDF:32.4/26

All: 27.357+/-20.892 χ^2/NDF: 55.6/48

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 108.766+/-0.032 χ^2/NDF:216987.9/7

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.867+/-0.034 χ^2/NDF:74082.7/5

Left: 107.875+/-0.023 χ^2/NDF: 292771.8/13

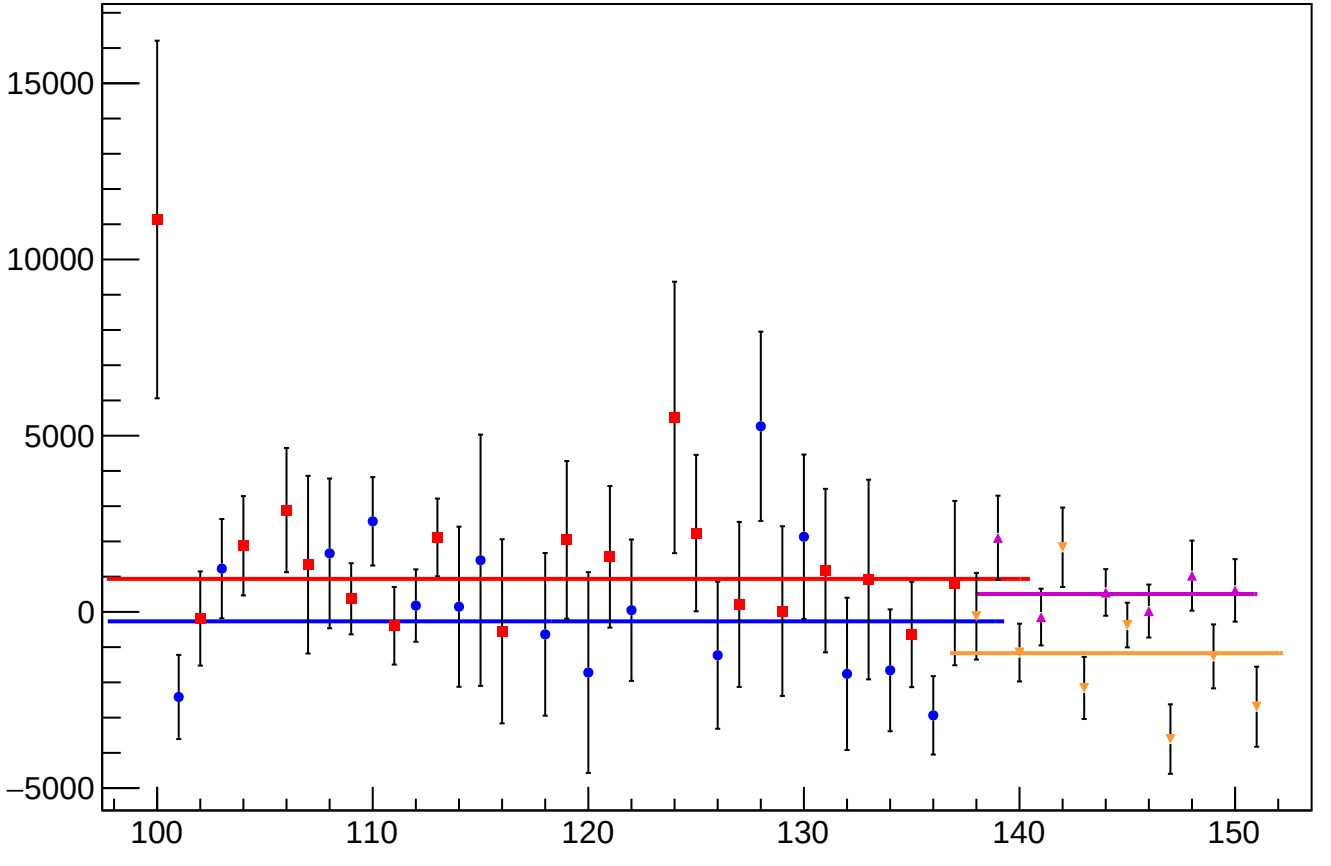
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.384+/-0.021 χ^2/NDF:808245.9/21

Out: 103.442+/-0.021 χ^2/NDF:1146798.3/26

All: 103.415+/-0.015 χ^2/NDF: 1955048.0/48

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: -1170.474+/-320.554 χ^2/NDF:18.6/7

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 508.337+/-341.239 χ^2/NDF:3.1/5

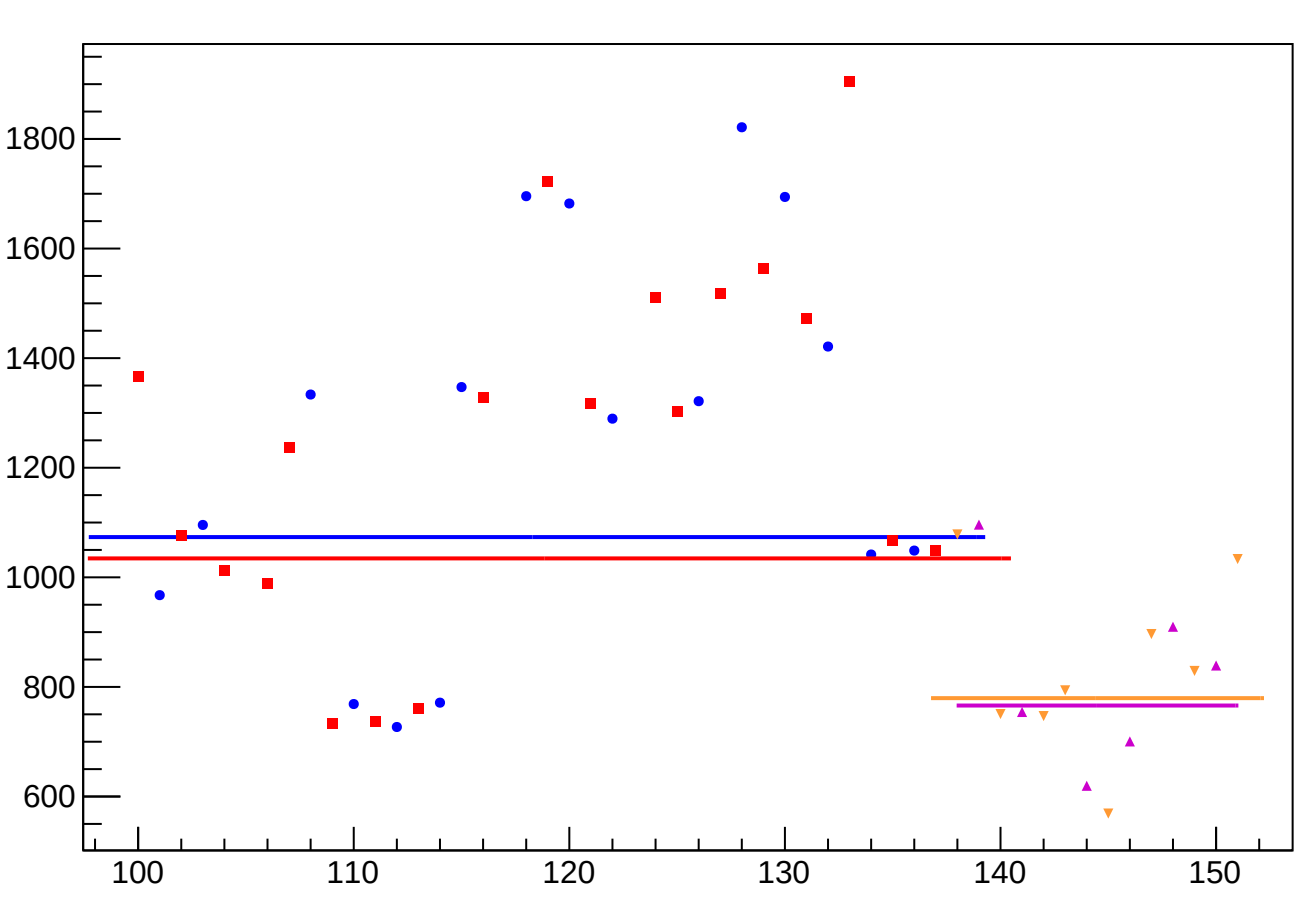
Left: -383.489+/-233.636 χ^2/NDF: 34.6/13

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 197.072+/-264.102 χ^2/NDF:28.7/21

Out: -336.901+/-249.213 χ^2/NDF:48.8/26

All: -85.390+/-181.255 χ^2/NDF: 79.7/48



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 779.528+/-0.227 χ^2/NDF:477546.0/7

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 766.052+/-0.241 χ^2/NDF:321403.0/5

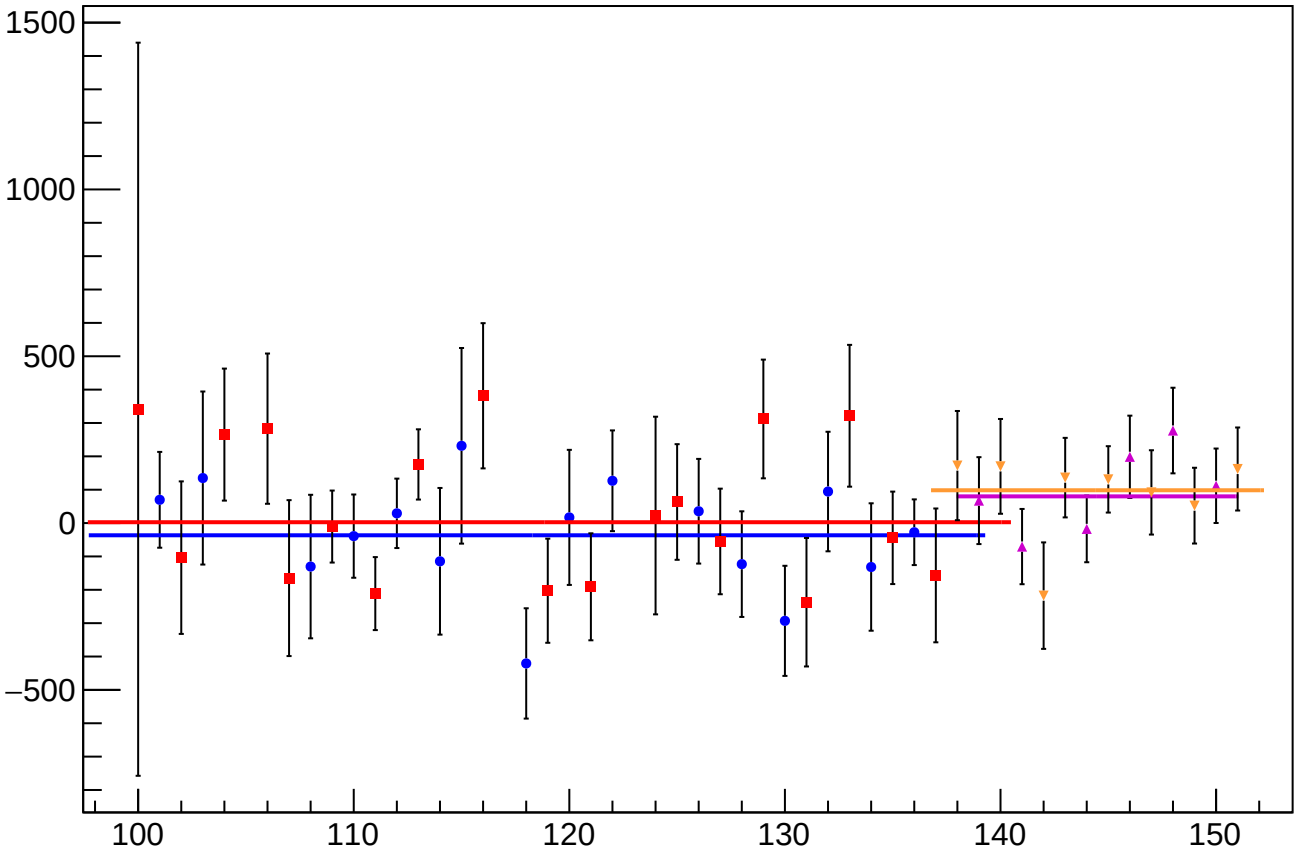
Left: 773.211+/-0.165 χ^2/NDF: 800606.1/13

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 889.321+/-0.187 χ^2/NDF:2049300.3/21

Out: 880.404+/-0.176 χ^2/NDF:2207576.4/26

All: 884.604+/-0.128 χ^2/NDF: 4258082.5/48



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 98.357+/-44.617 χ^2/NDF:5.0/7

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 80.039+/-47.434 χ^2/NDF:6.1/5

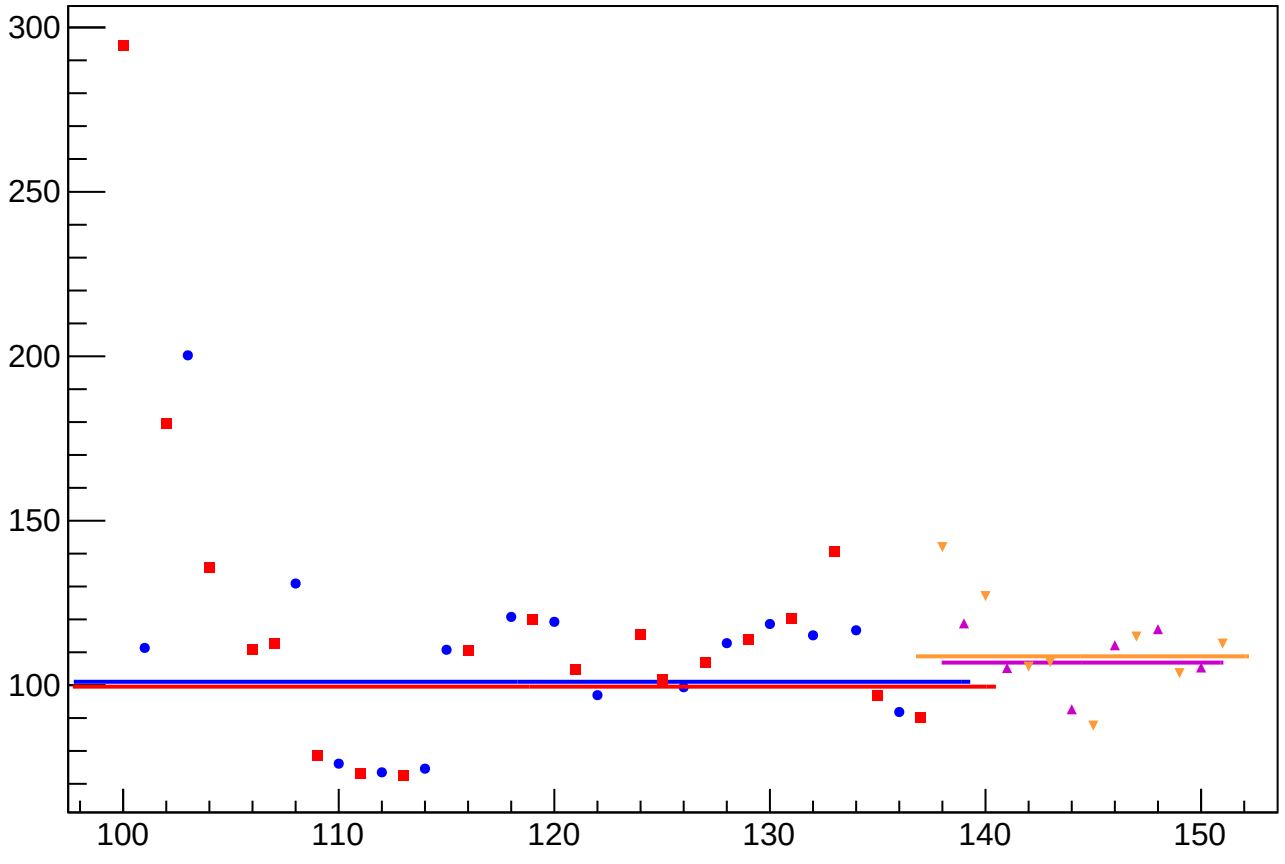
Left: 89.758+/-32.499 χ^2/NDF: 11.2/13

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 10.439+/-30.121 χ^2/NDF:22.6/21

Out: 43.040+/-29.002 χ^2/NDF:32.4/26

All: 27.356+/-20.892 χ^2/NDF: 55.6/48



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 108.767+/-0.032 χ^2/NDF:216980.7/7

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.868+/-0.034 χ^2/NDF:74080.4/5

Left: 107.875+/-0.023 χ^2/NDF: 292762.6/13

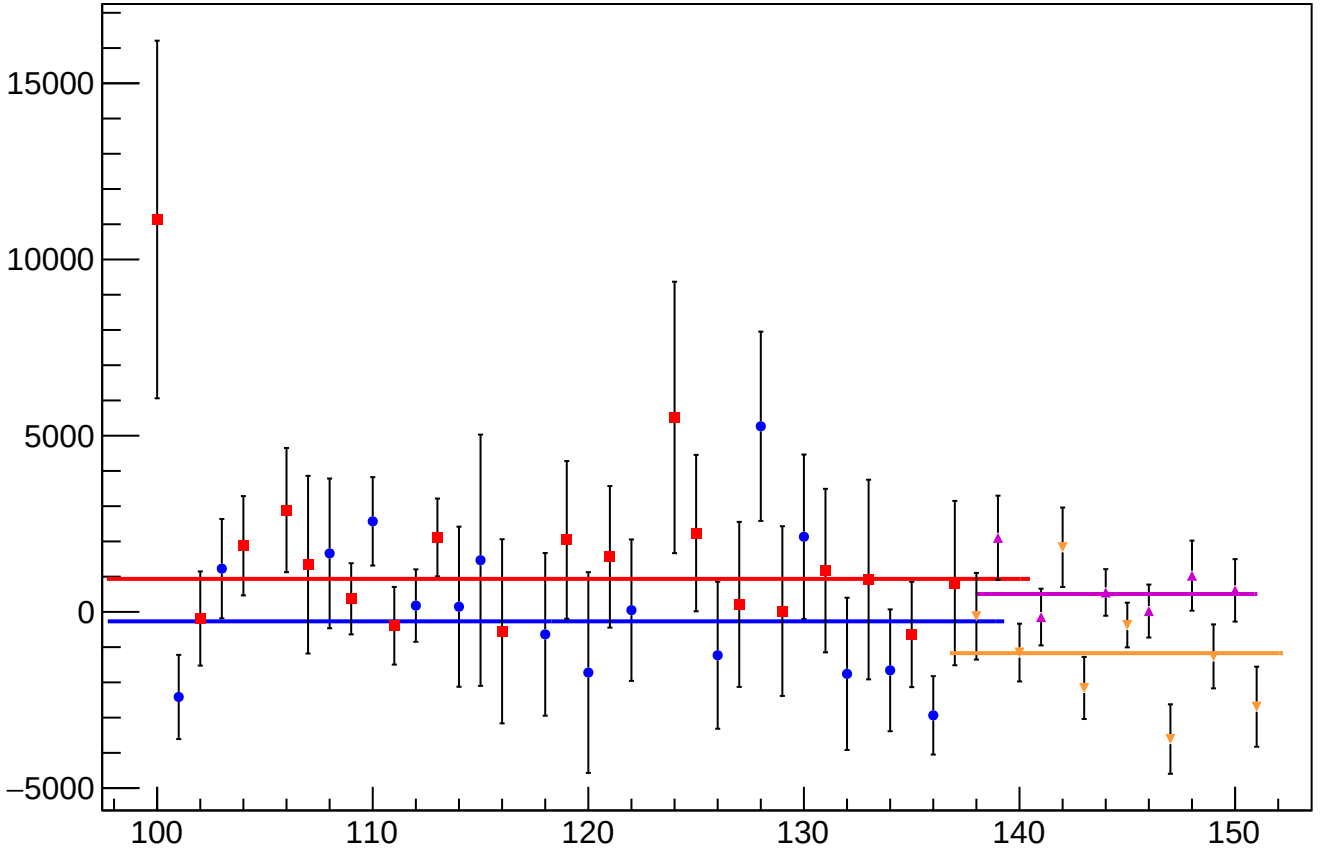
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.385+/-0.021 χ^2/NDF:808243.6/21

Out: 103.443+/-0.021 χ^2/NDF:1146797.0/26

All: 103.415+/-0.015 χ^2/NDF: 1955044.4/48

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: -1170.474+/-320.554 χ^2/NDF:18.6/7

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 508.336+/-341.238 χ^2/NDF:3.1/5

Left: -383.490+/-233.636 χ^2/NDF: 34.6/13

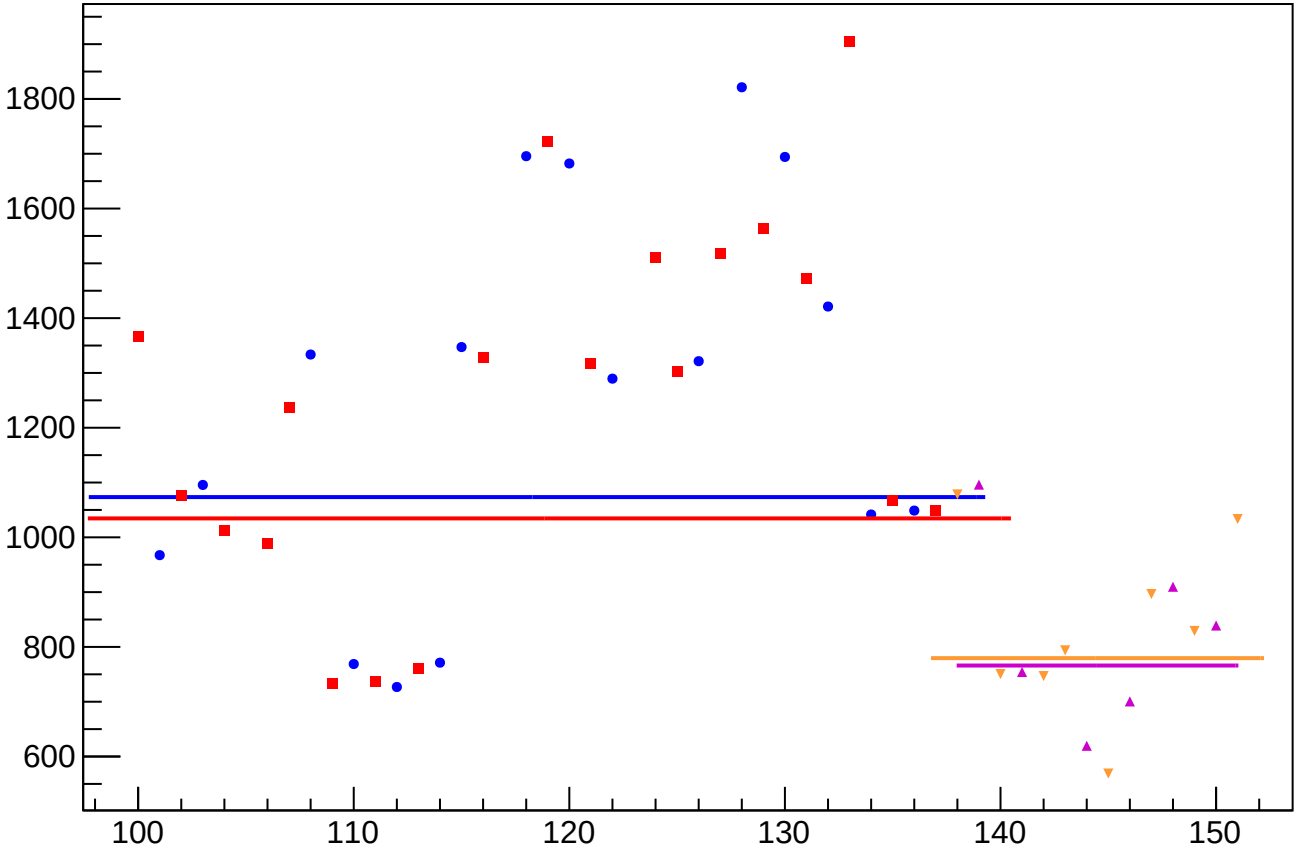
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 197.072+/-264.102 χ^2/NDF:28.7/21

Out: -336.902+/-249.212 χ^2/NDF:48.8/26

All: -85.391+/-181.255 χ^2/NDF: 79.7/48

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: 779.527+/-0.227 χ^2/NDF:477549.5/7

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 766.051+/-0.241 χ^2/NDF:321404.3/5

Left: 773.210+/-0.165 χ^2/NDF: 800610.7/13

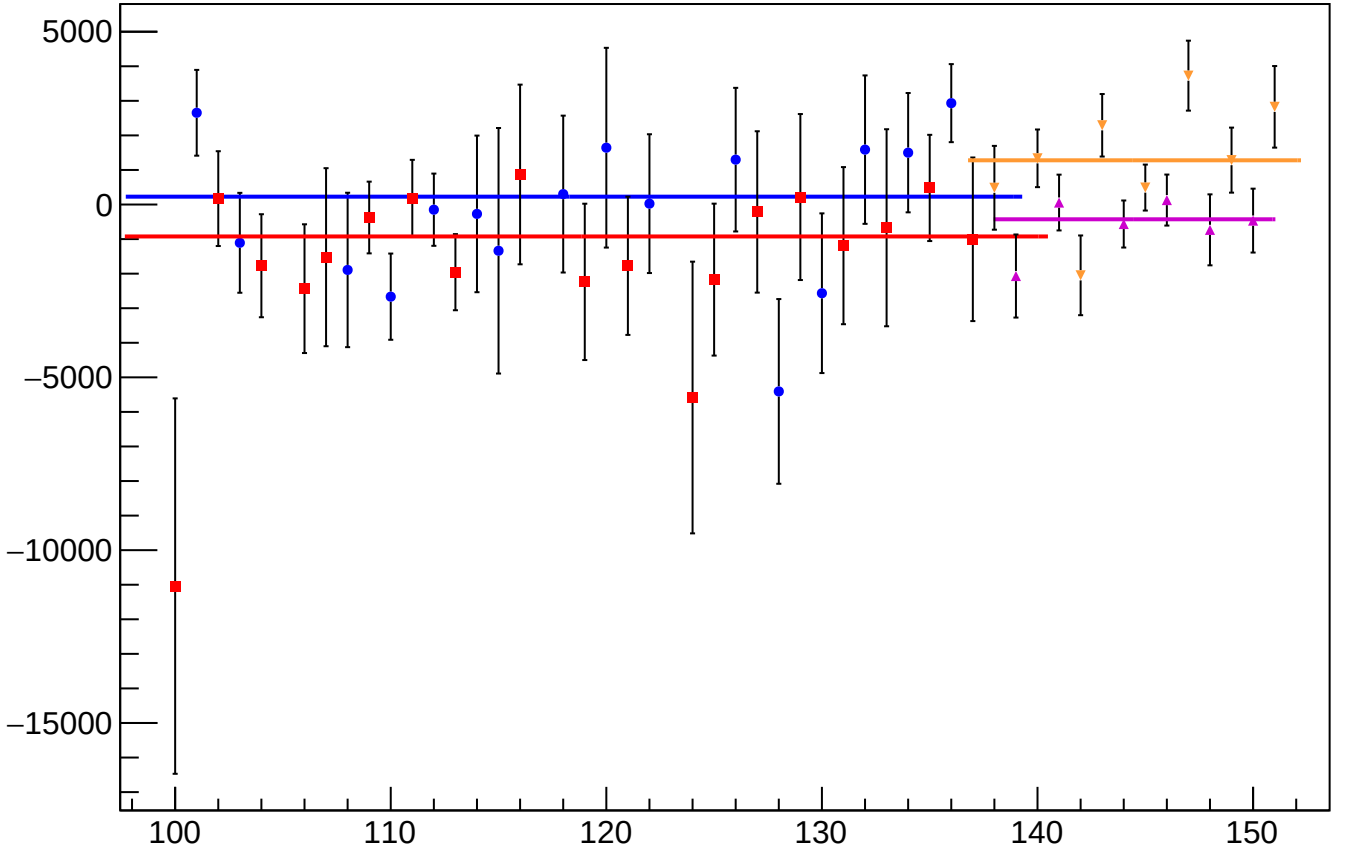
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 889.320+/-0.187 χ^2/NDF:2049303.3/21

Out: 880.403+/-0.176 χ^2/NDF:2207581.9/26

All: 884.603+/-0.128 χ^2/NDF: 4258091.1/48

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1279.593+/-330.093 χ^2/NDF:19.0/7

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -427.113+/-346.238 χ^2/NDF:2.9/5

Left: 466.960+/-238.915 χ^2/NDF: 34.7/13

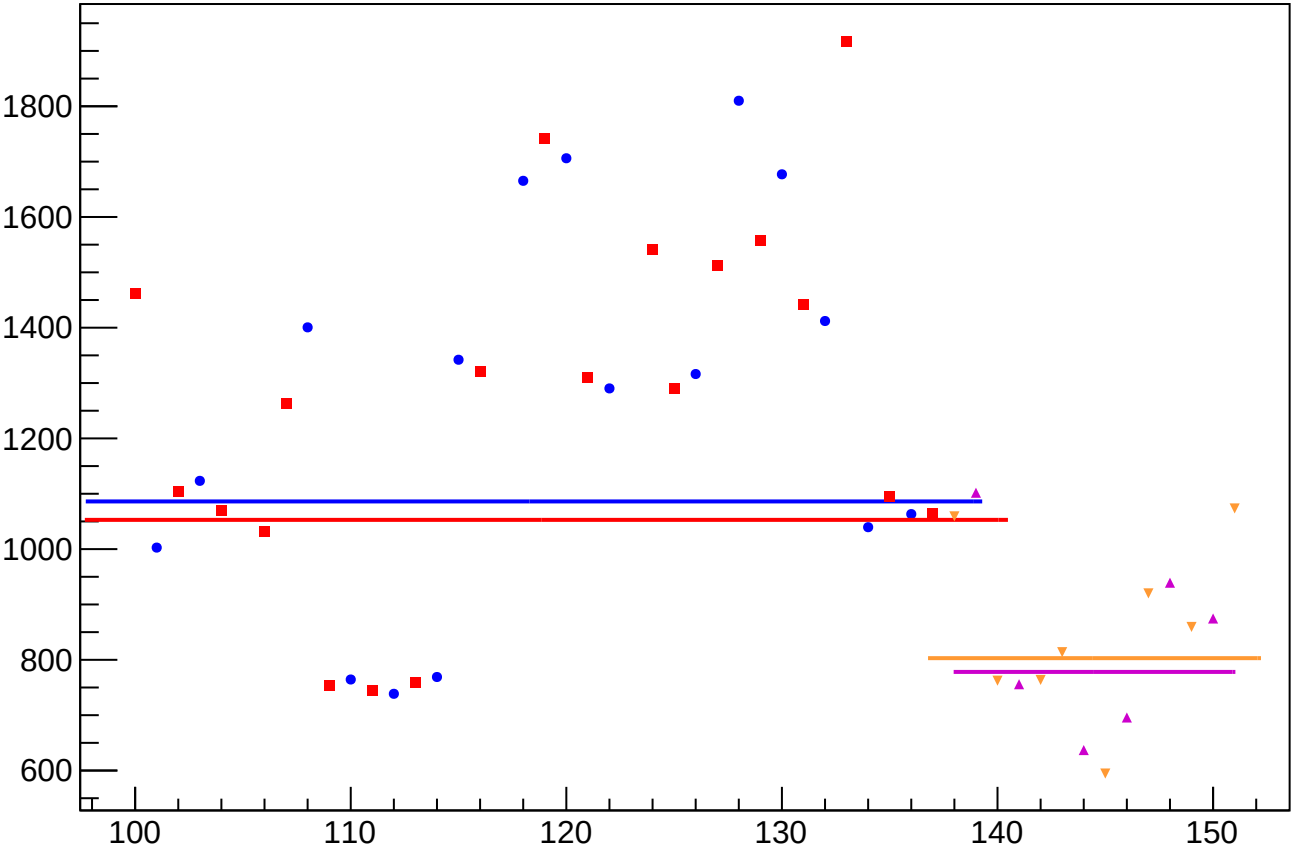
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -163.619+/-267.632 χ^2/NDF:28.8/21

Out: 395.210+/-255.390 χ^2/NDF:48.1/26

All: 128.868+/-184.764 χ^2/NDF: 79.1/48

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 803.011+/-0.233 χ^2/NDF:432120.3/7

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 778.156+/-0.245 χ^2/NDF:328567.2/5

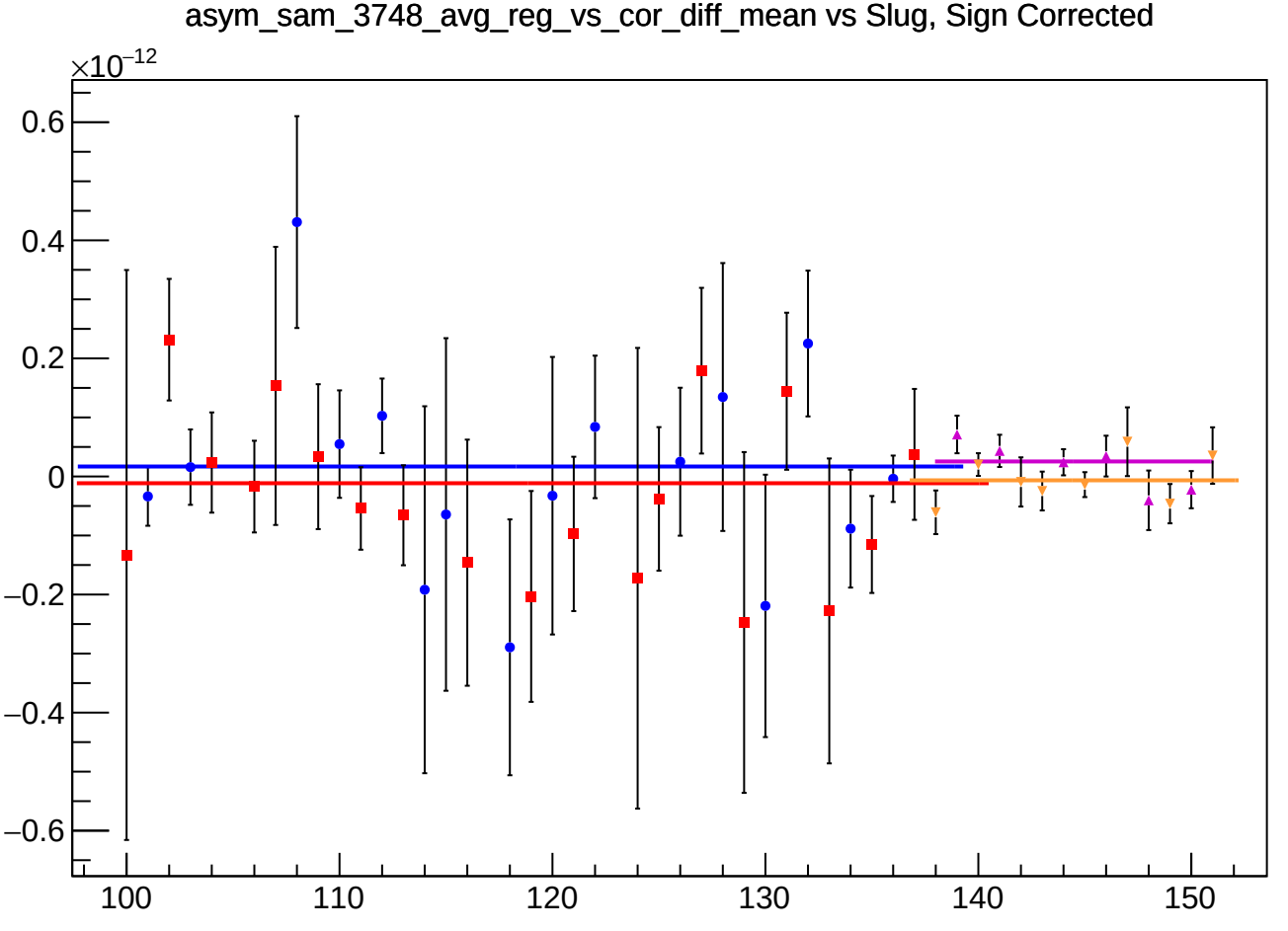
Left: 791.177+/-0.169 χ^2/NDF: 766086.8/13

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 902.124+/-0.189 χ^2/NDF:2013008.3/21

Out: 903.289+/-0.181 χ^2/NDF:2086362.6/26

All: 902.734+/-0.131 χ^2/NDF: 4099390.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/5

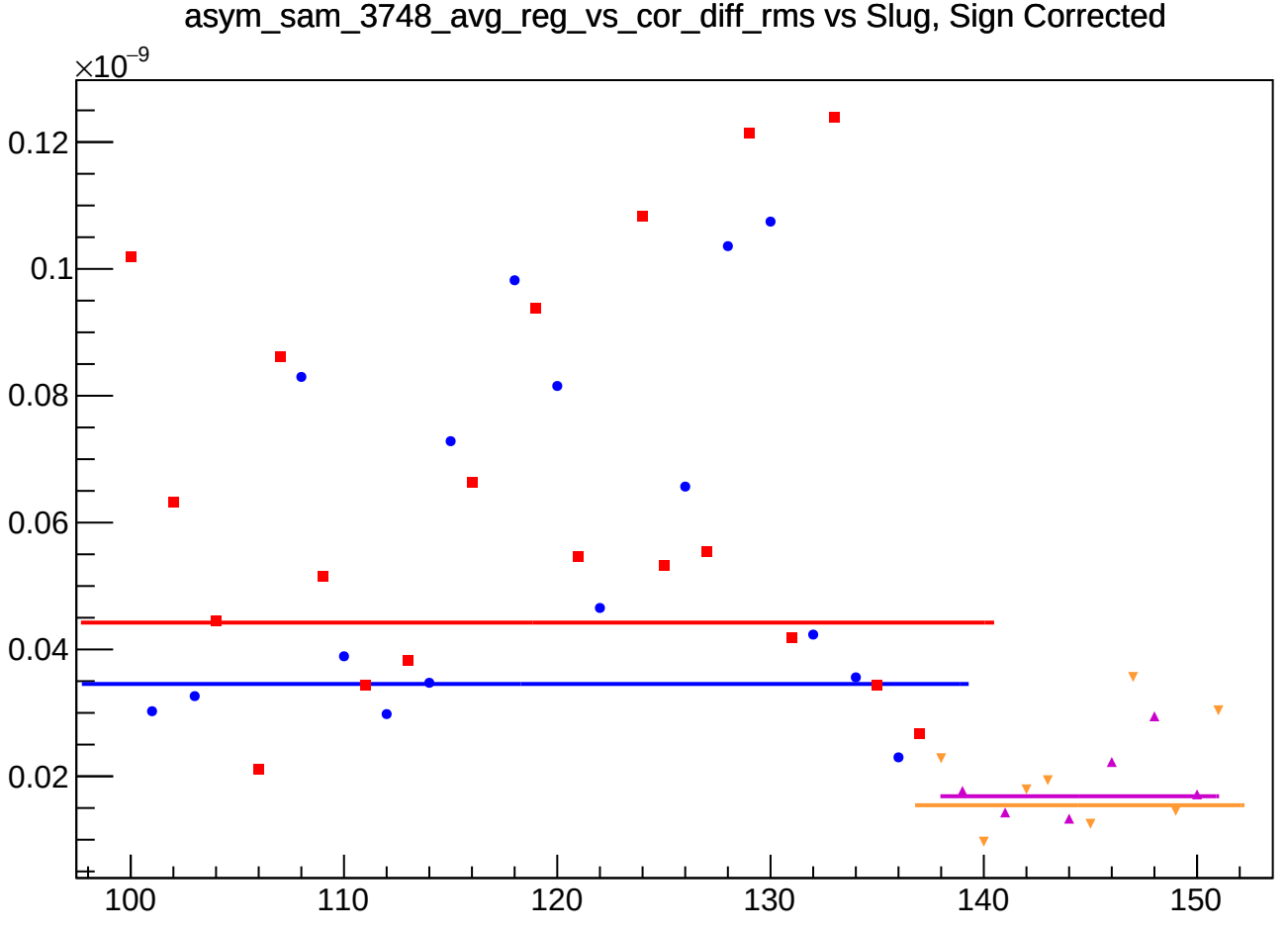
Left: 0.000+/-0.000 χ^2/NDF: 18.4/13

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:23.6/21

Out: -0.000+/-0.000 χ^2/NDF:23.8/26

All: 0.000+/-0.000 χ^2/NDF: 51.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:771437.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:243906.9/5

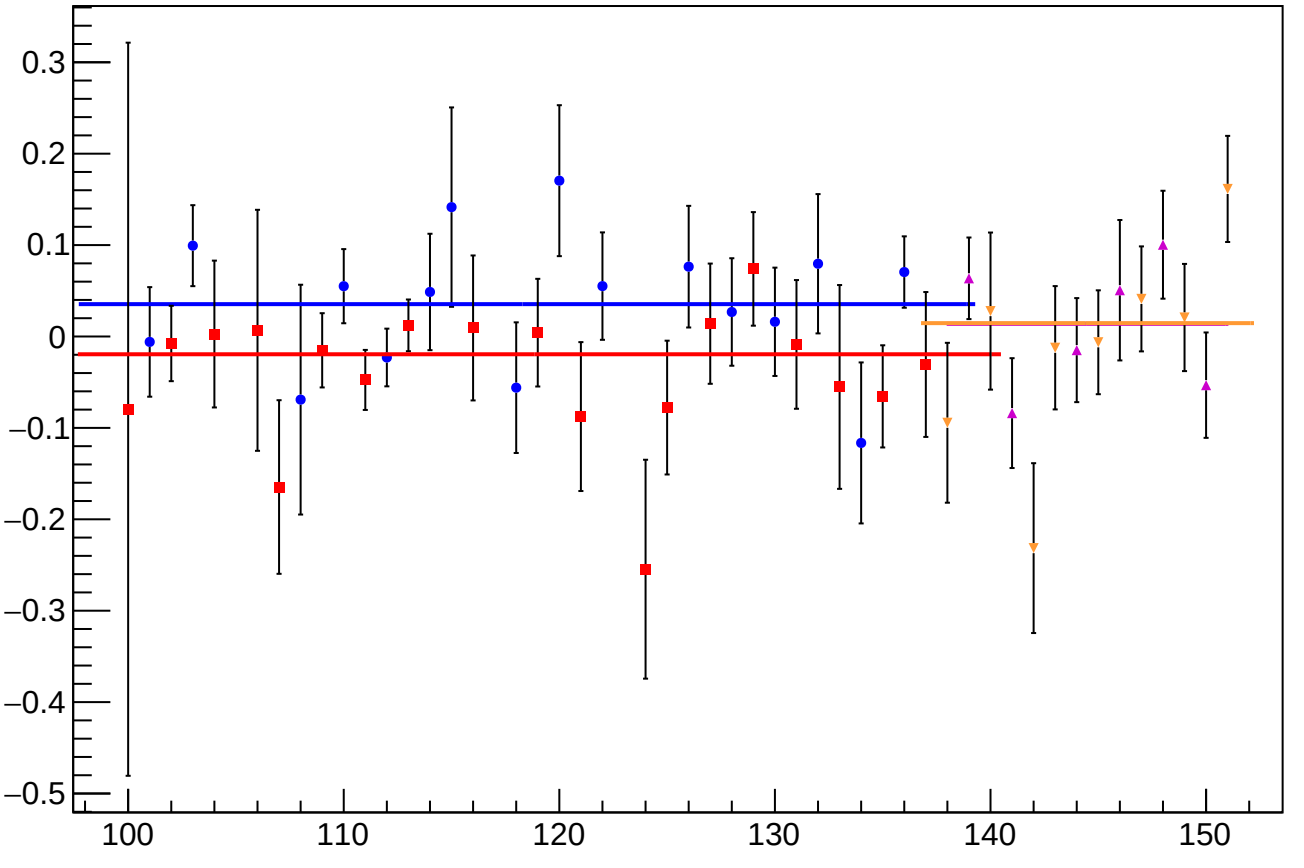
Left: 0.000+/-0.000 χ^2/NDF: 1030488.7/13

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2431613.1/21

Out: 0.000+/-0.000 χ^2/NDF:3826568.3/26

All: 0.000+/-0.000 χ^2/NDF: 6288063.3/48



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.014+/-0.023 χ^2/NDF:7.9/5

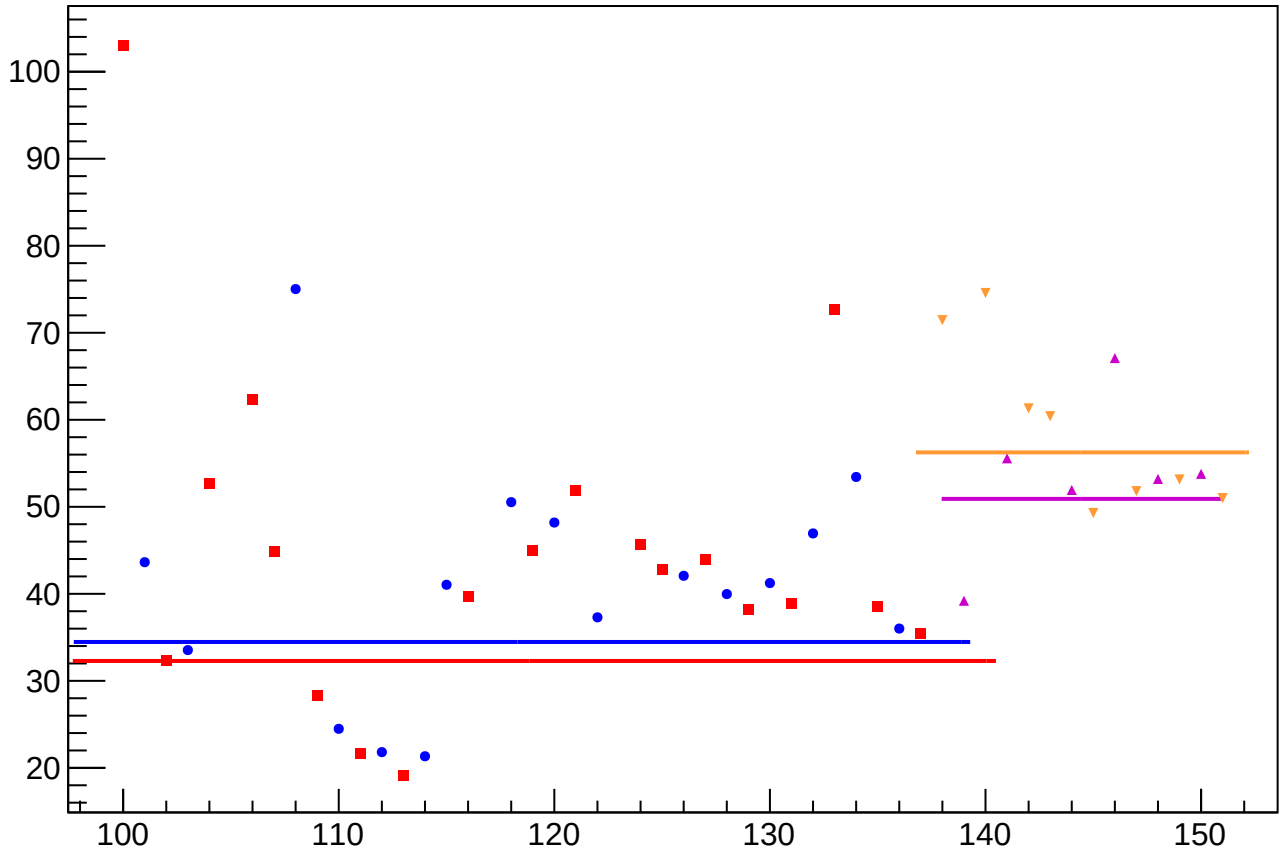
Left: 0.014+/-0.017 χ^2/NDF: 23.4/13

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:25.5/21

Out: -0.011+/-0.011 χ^2/NDF:30.5/26

All: 0.008+/-0.008 χ^2/NDF: 62.1/48



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 56.254+/-0.017 χ^2/NDF:228816.0/7

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.911+/-0.016 χ^2/NDF:247049.0/5

Left: 53.550+/-0.012 χ^2/NDF: 527917.4/13

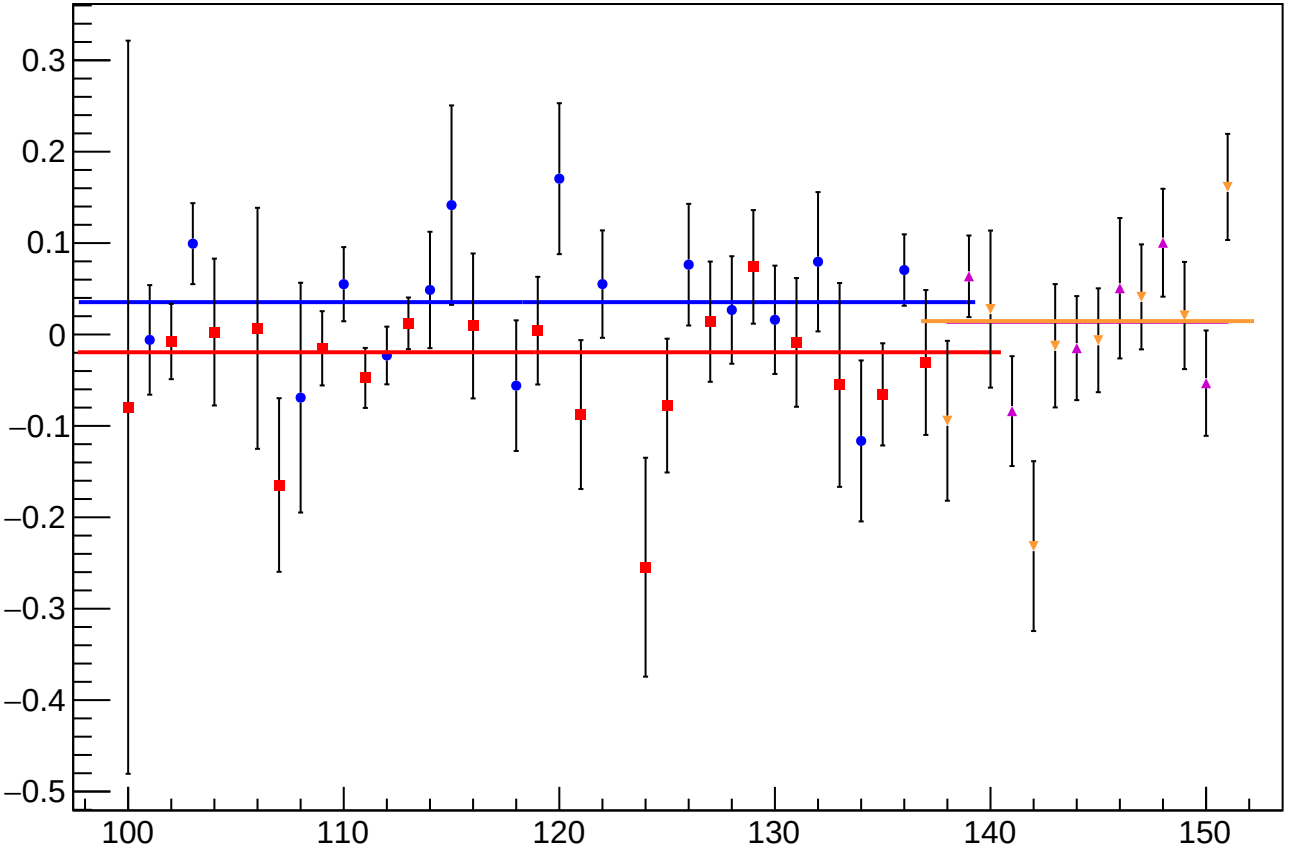
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 38.785+/-0.008 χ^2/NDF:2154005.6/21

Out: 37.961+/-0.008 χ^2/NDF:3481586.6/26

All: 38.357+/-0.006 χ^2/NDF: 5640552.3/48

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.014+/-0.023 χ^2/NDF:7.9/5

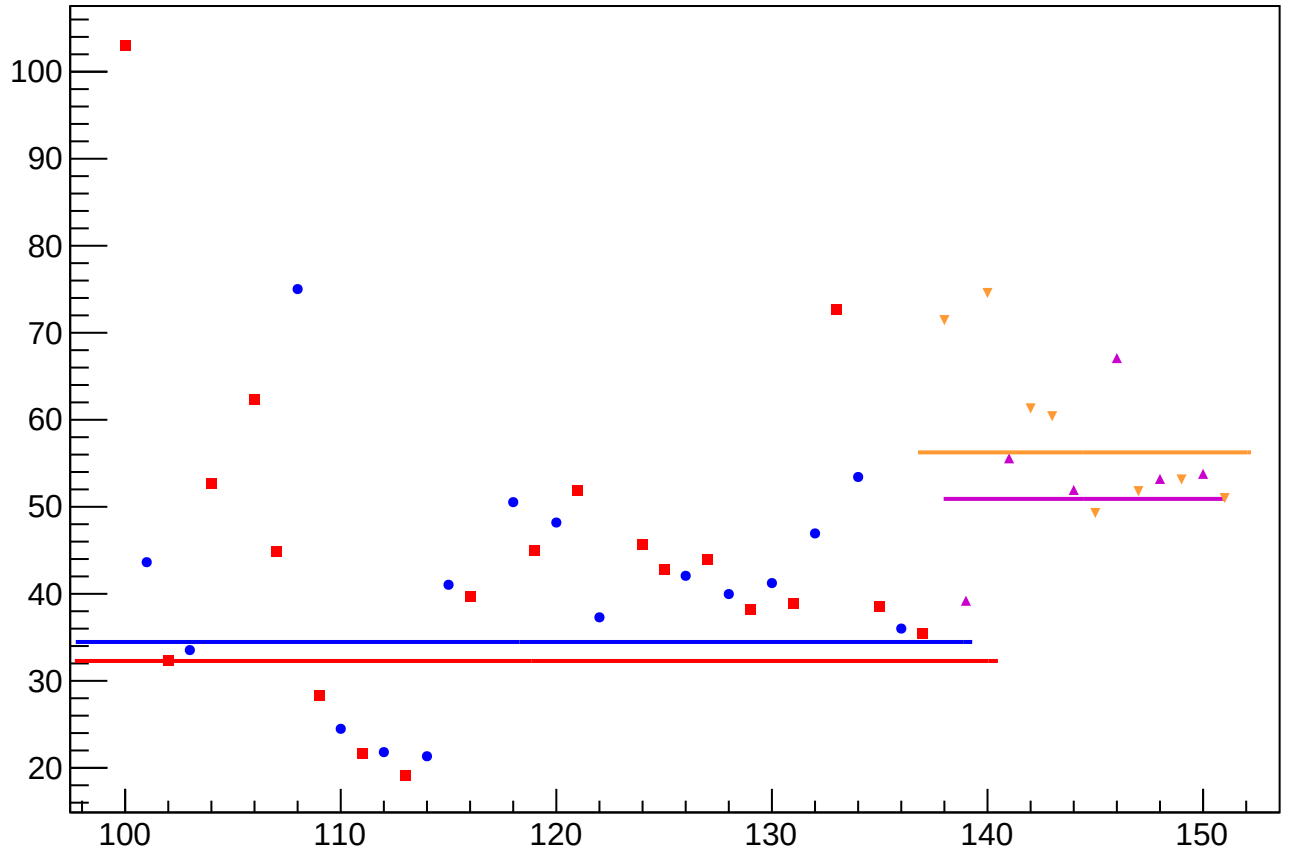
Left: 0.014+/-0.017 χ^2/NDF: 23.4/13

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:25.5/21

Out: -0.011+/-0.011 χ^2/NDF:30.5/26

All: 0.008+/-0.008 χ^2/NDF: 62.1/48



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 56.254+/-0.017 χ^2/NDF:228816.0/7

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 50.911+/-0.016 χ^2/NDF:247049.0/5

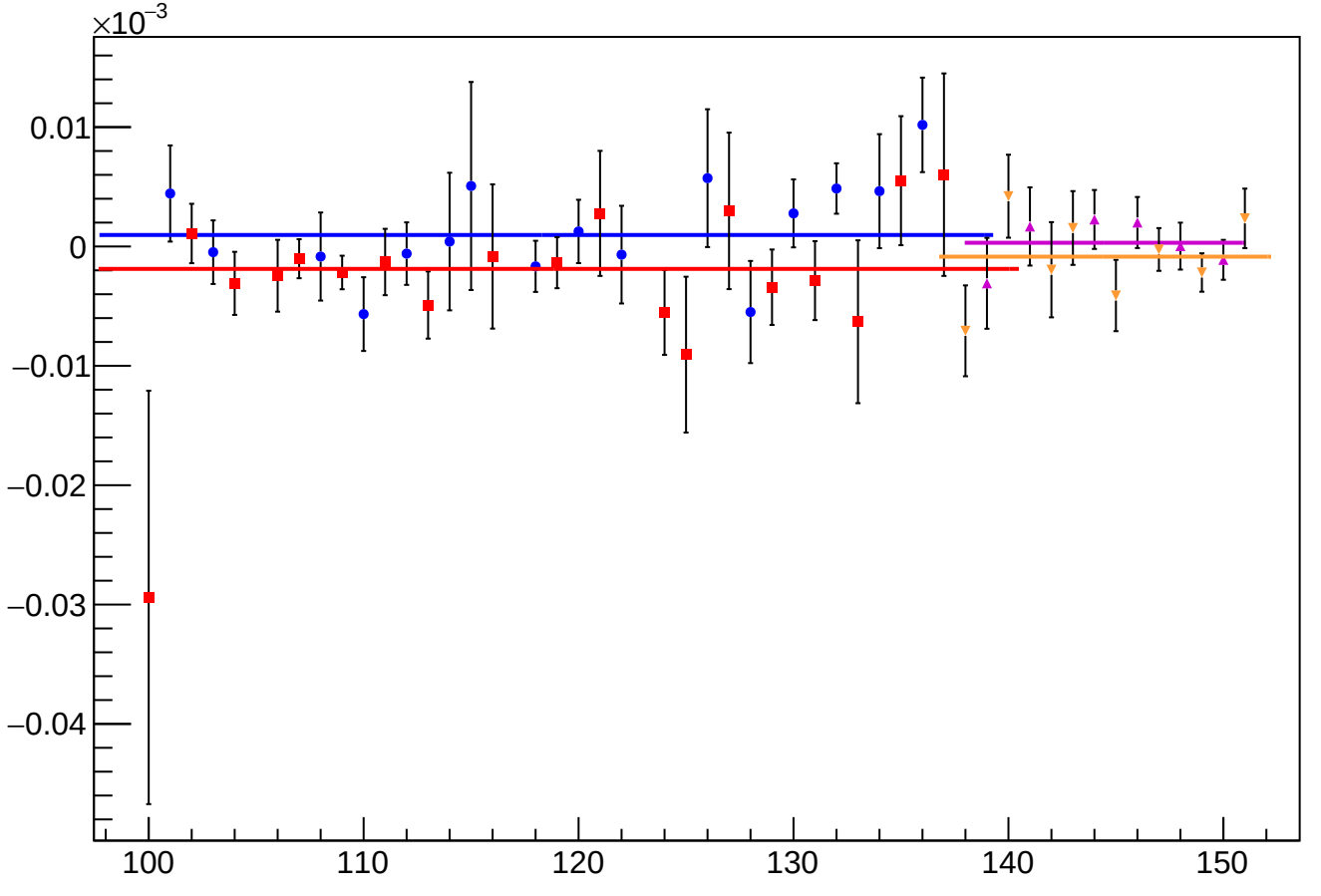
Left: 53.550+/-0.012 χ^2/NDF: 527917.4/13

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 38.785+/-0.008 χ^2/NDF:2154005.6/21

Out: 37.961+/-0.008 χ^2/NDF:3481586.6/26

All: 38.357+/-0.006 χ^2/NDF: 5640552.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/5

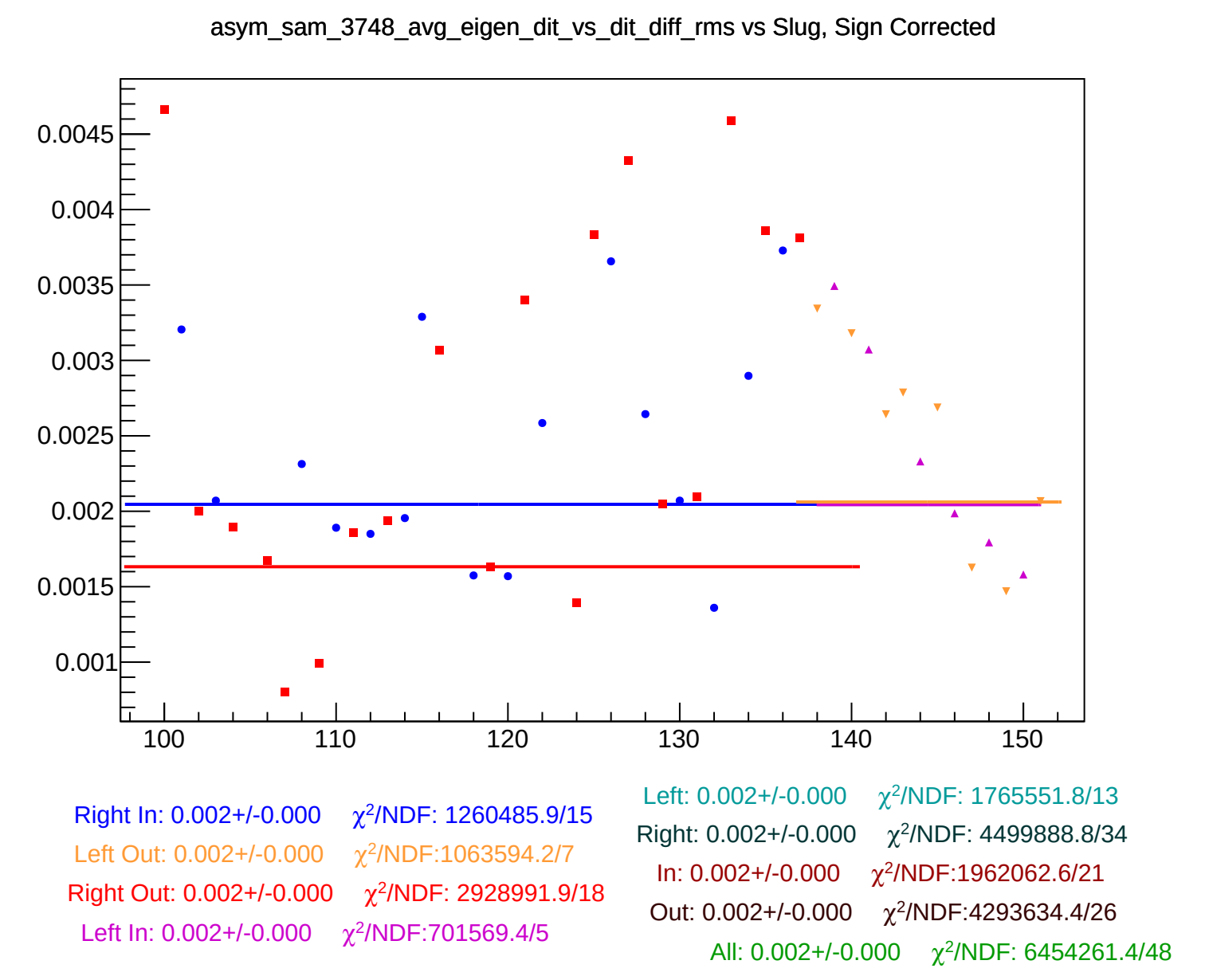
Left: -0.000+/-0.000 χ^2/NDF: 12.9/13

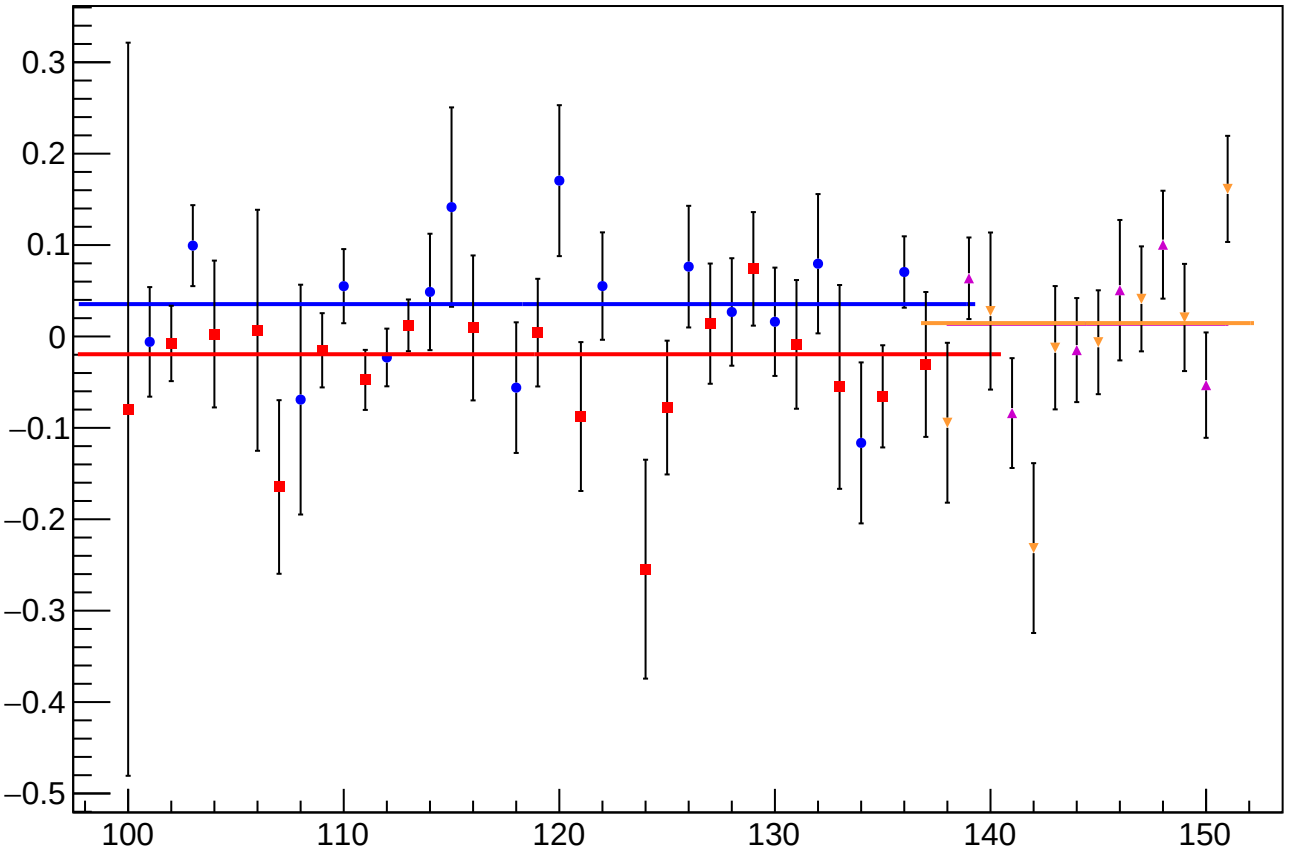
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:24.2/21

Out: -0.000+/-0.000 χ^2/NDF:22.8/26

All: -0.000+/-0.000 χ^2/NDF: 54.3/48


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1063594.2/7
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:701569.4/5
Left: 0.002+/-0.000 χ²/NDF: 1765551.8/13
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:1962062.6/21
Out: 0.002+/-0.000 χ²/NDF:4293634.4/26
All: 0.002+/-0.000 χ²/NDF: 6454261.4/48



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.014+/-0.023 χ^2/NDF:7.9/5

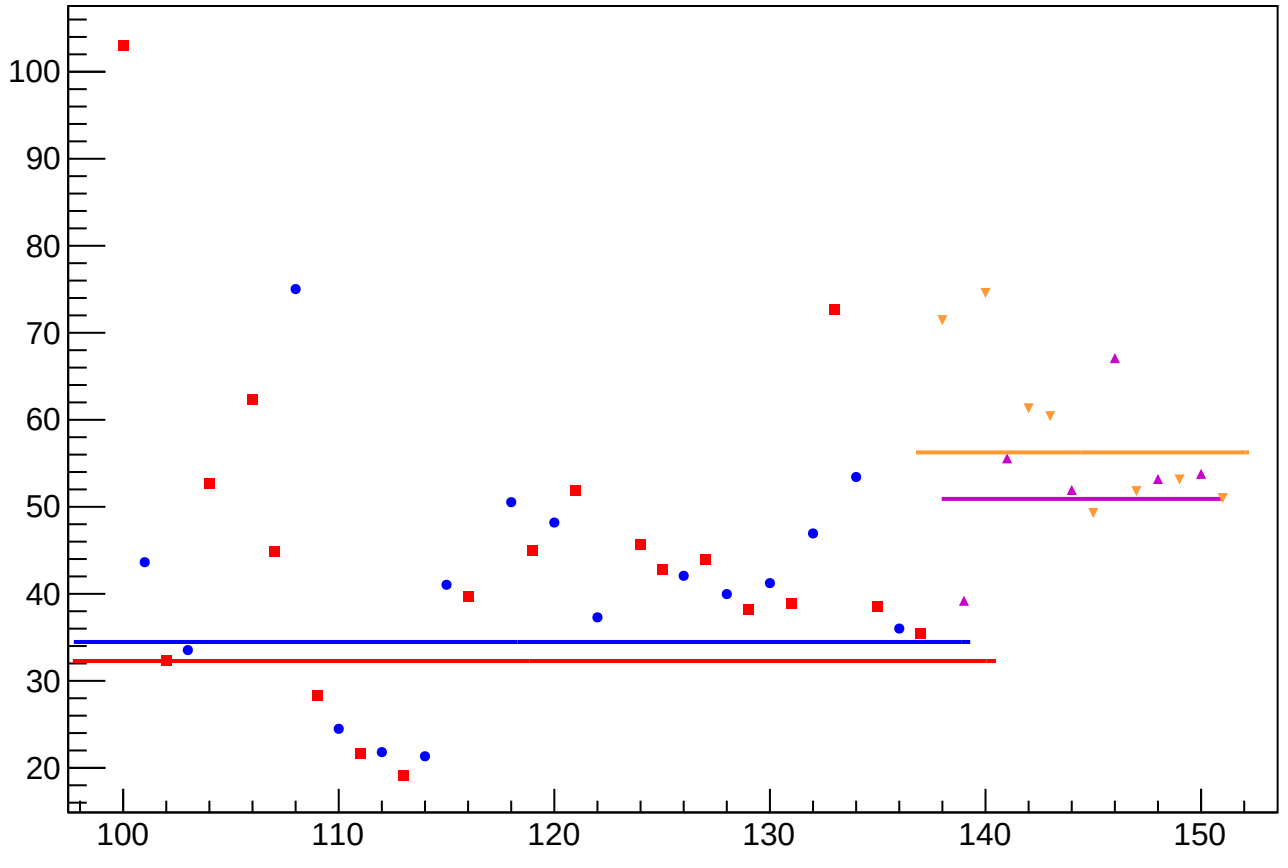
Left: 0.014+/-0.017 χ^2/NDF: 23.4/13

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.030+/-0.012 χ^2/NDF:25.5/21

Out: -0.011+/-0.011 χ^2/NDF:30.5/26

All: 0.008+/-0.008 χ^2/NDF: 62.1/48



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 56.255+/-0.017 χ^2/NDF:228795.7/7

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 50.911+/-0.016 χ^2/NDF:247071.3/5

Left: 53.551+/-0.012 χ^2/NDF: 527930.7/13

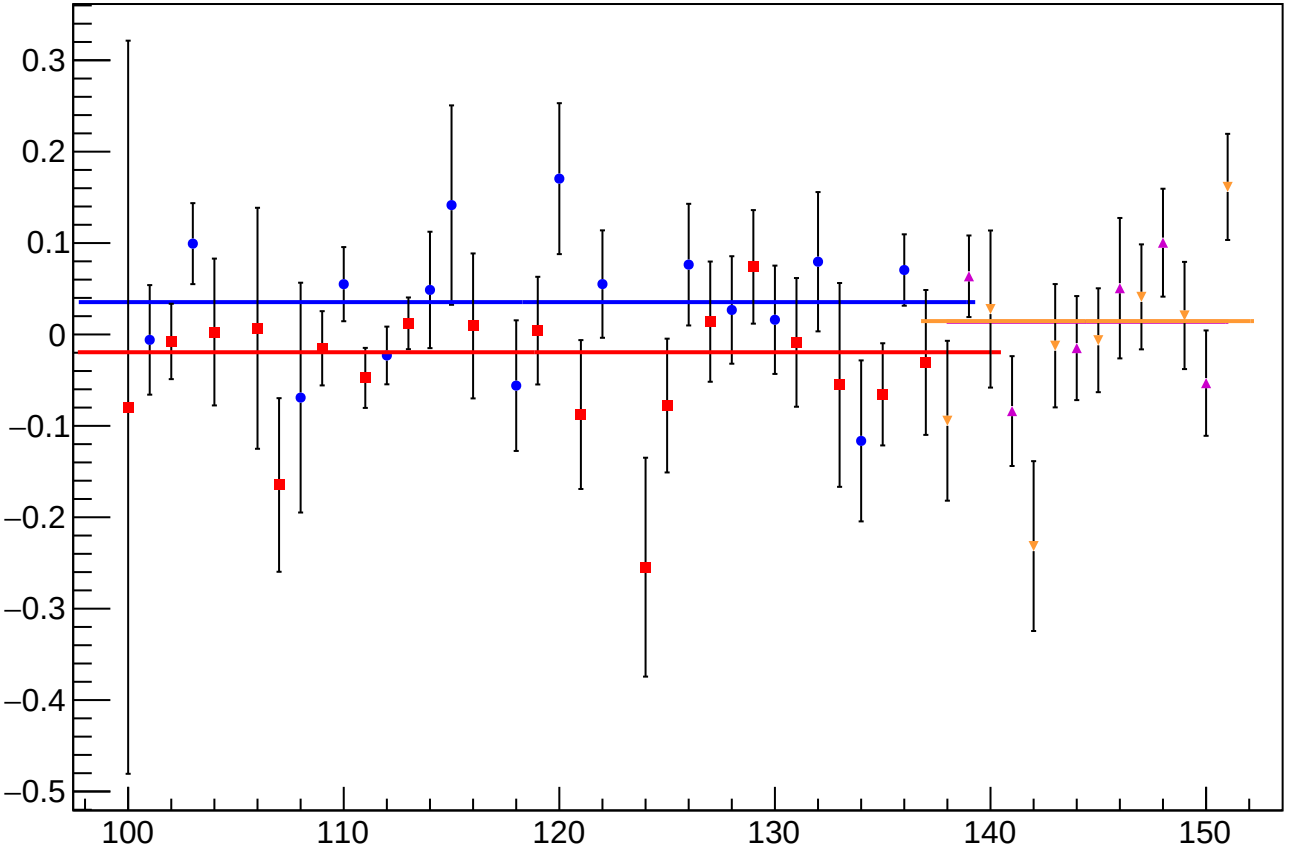
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 38.786+/-0.008 χ^2/NDF:2153970.3/21

Out: 37.962+/-0.008 χ^2/NDF:3481568.5/26

All: 38.357+/-0.006 χ^2/NDF: 5640497.4/48

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: 0.015+/-0.024 χ^2/NDF:15.5/7

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.014+/-0.023 χ^2/NDF:7.9/5

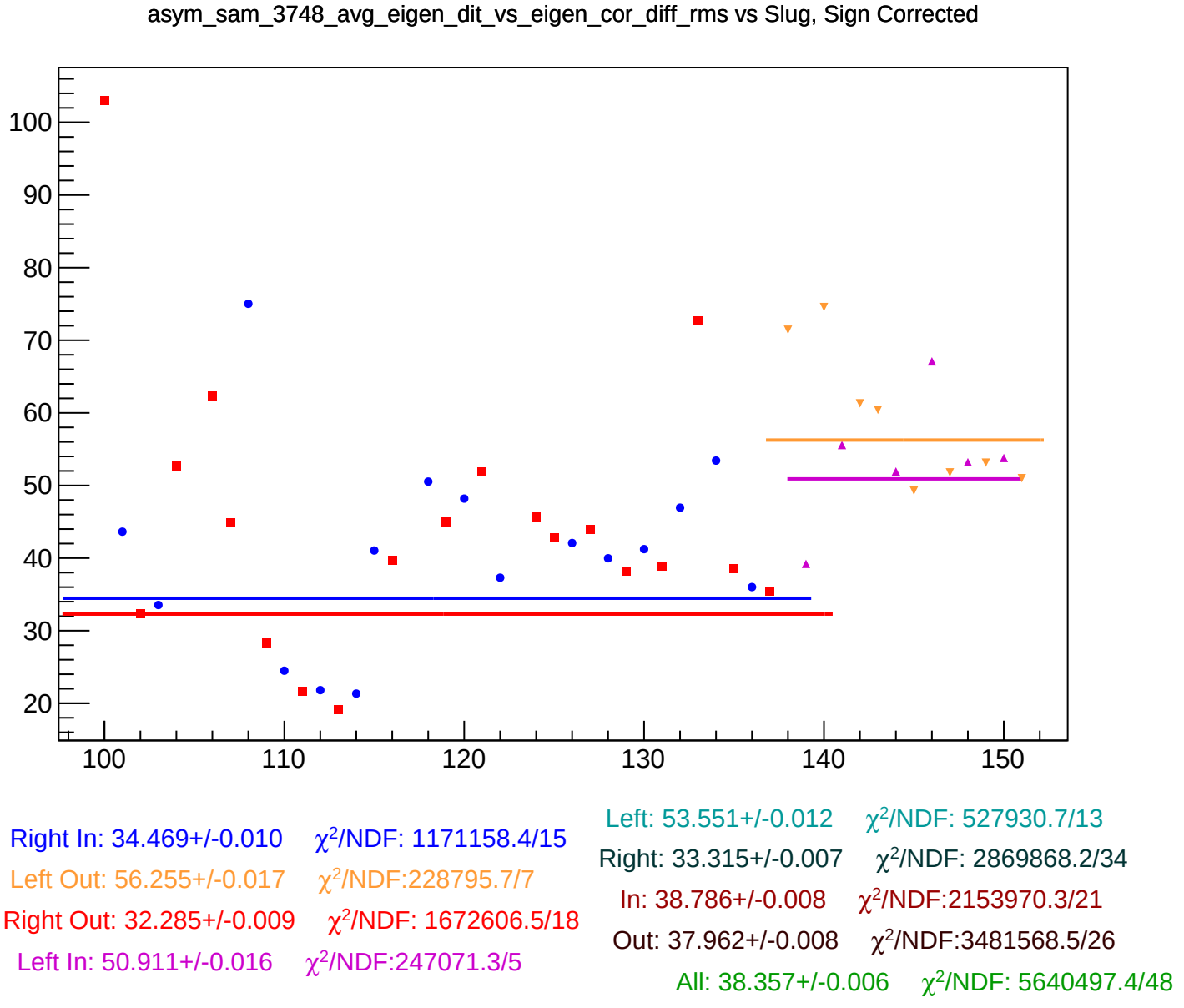
Left: 0.014+/-0.017 χ^2/NDF: 23.4/13

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

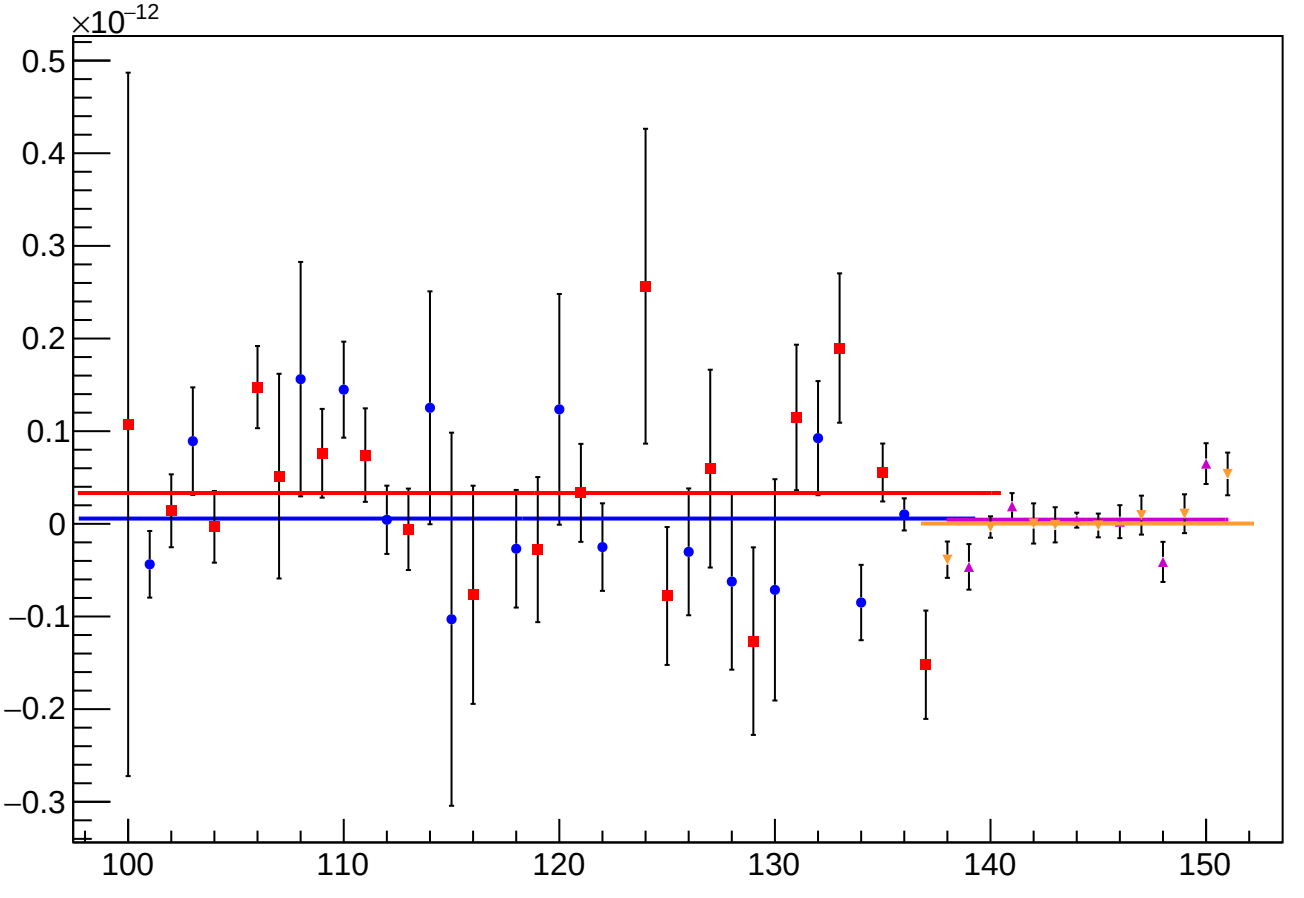
In: 0.030+/-0.012 χ^2/NDF:25.5/21

Out: -0.011+/-0.011 χ^2/NDF:30.5/26

All: 0.008+/-0.008 χ^2/NDF: 62.1/48


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 56.255+/-0.017 χ²/NDF:228795.7/7
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 50.911+/-0.016 χ²/NDF:247071.3/5
Left: 53.551+/-0.012 χ²/NDF: 527930.7/13
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 38.786+/-0.008 χ²/NDF:2153970.3/21
Out: 37.962+/-0.008 χ²/NDF:3481568.5/26
All: 38.357+/-0.006 χ²/NDF: 5640497.4/48

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/5

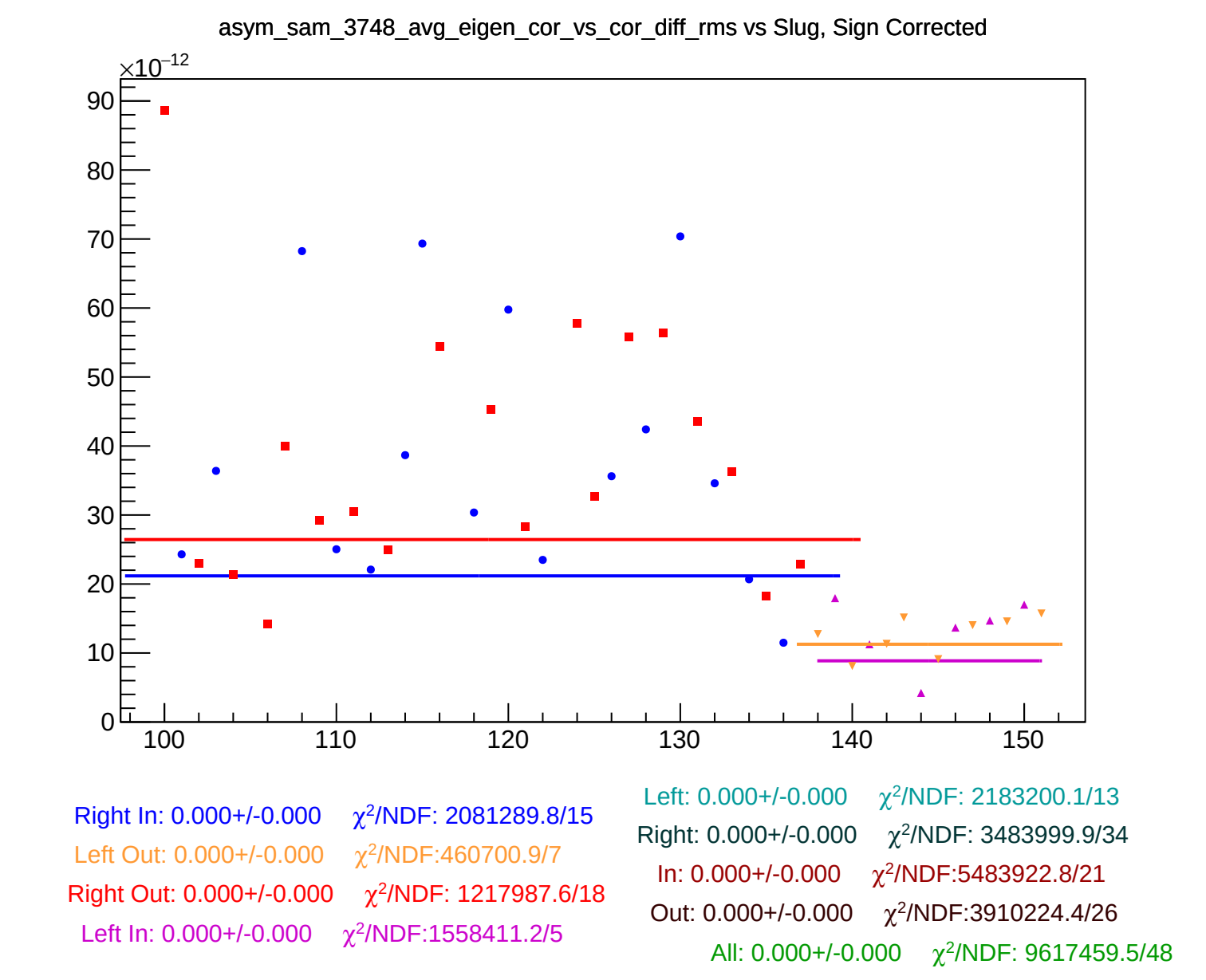
Left: 0.000+/-0.000 χ^2/NDF: 27.5/13

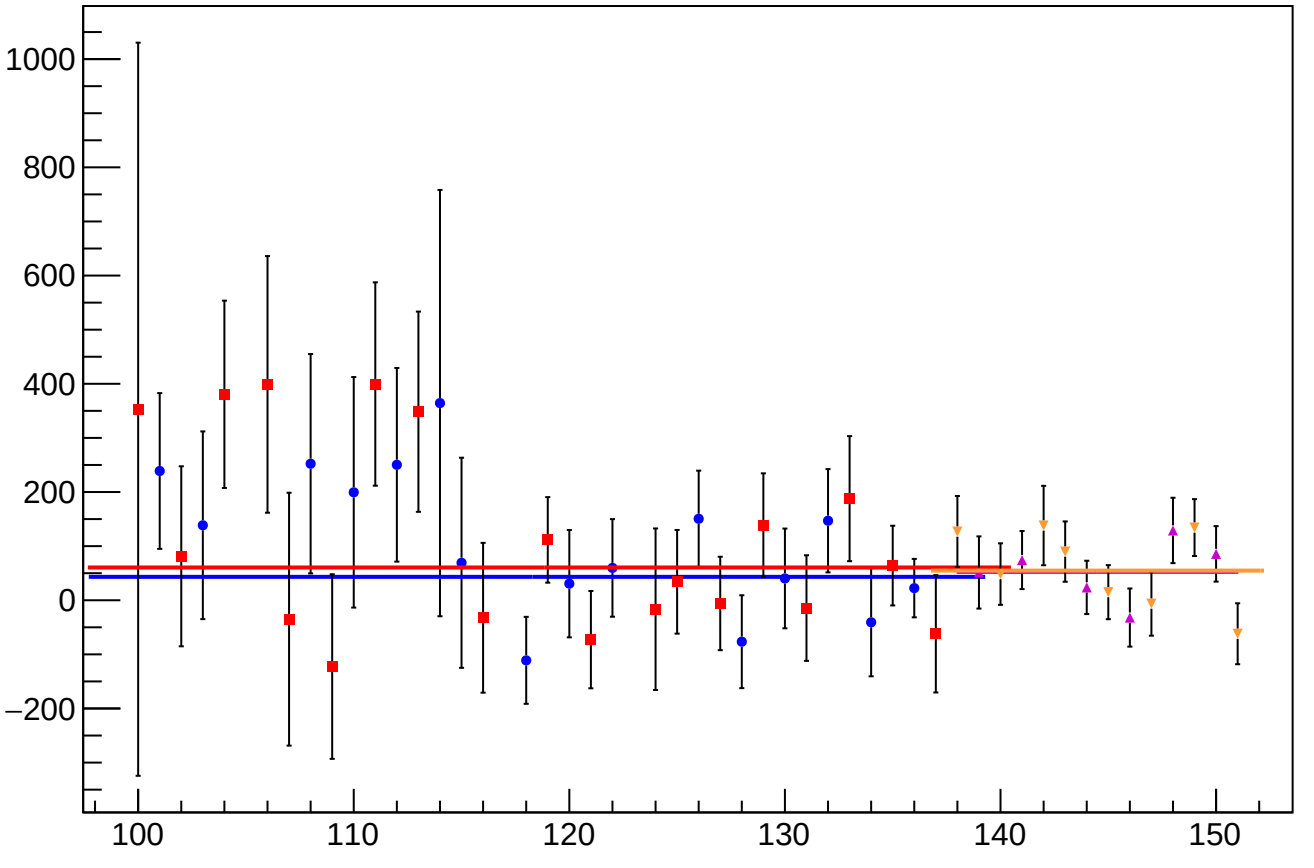
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:40.9/21

Out: 0.000+/-0.000 χ^2/NDF:48.7/26

All: 0.000+/-0.000 χ^2/NDF: 89.7/48


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:460700.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:1558411.2/5
Left: 0.000+/-0.000 χ²/NDF: 2183200.1/13
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:5483922.8/21
Out: 0.000+/-0.000 χ²/NDF:3910224.4/26
All: 0.000+/-0.000 χ²/NDF: 9617459.5/48



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 54.800+/-20.365 χ^2/NDF:11.2/7

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 52.394+/-22.445 χ^2/NDF:5.0/5

Left: 53.714+/-15.082 χ^2/NDF: 16.2/13

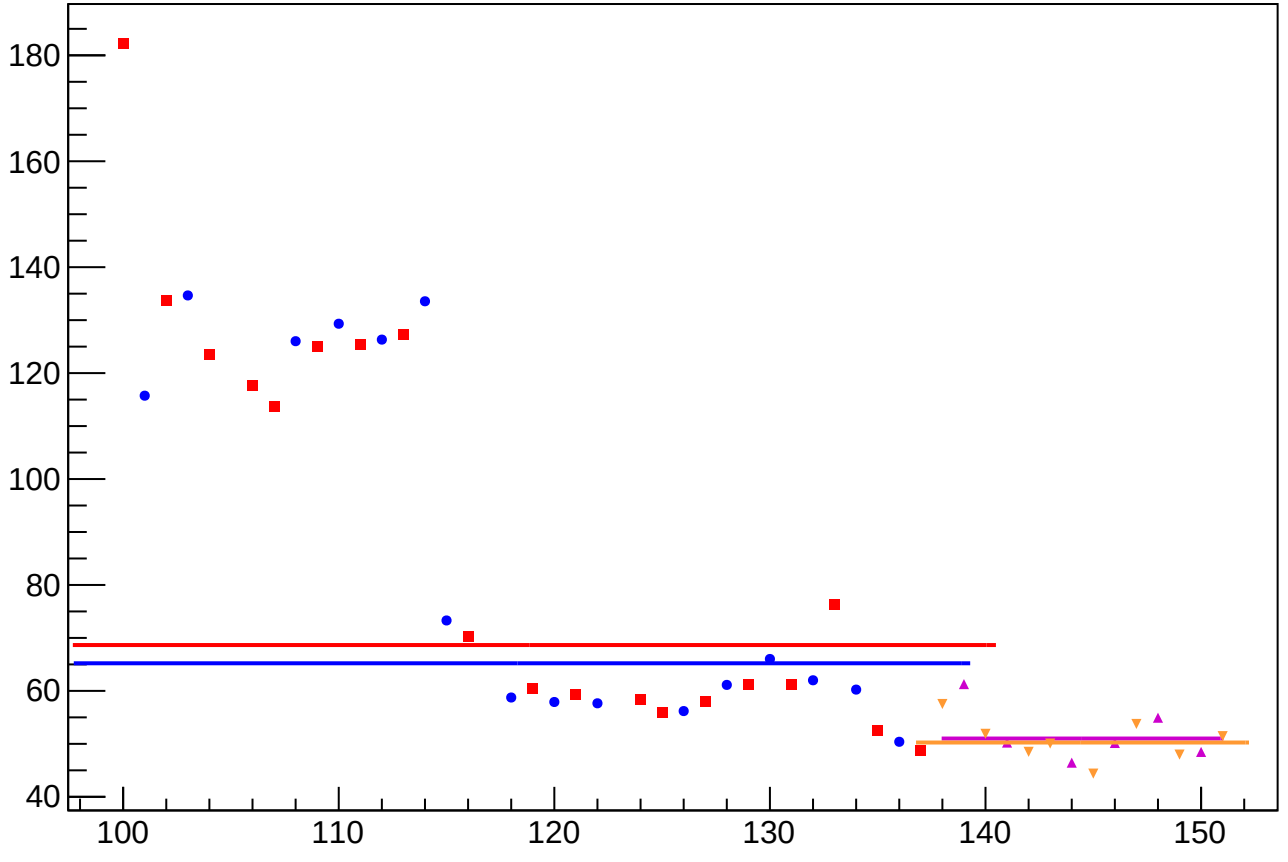
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 48.450+/-16.928 χ^2/NDF:20.0/21

Out: 56.907+/-16.235 χ^2/NDF:31.6/26

All: 52.855+/-11.717 χ^2/NDF: 51.8/48

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 50.253+/-0.014 χ^2/NDF:66571.3/7

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 51.004+/-0.016 χ^2/NDF:78775.7/5

Left: 50.592+/-0.011 χ^2/NDF: 146576.0/13

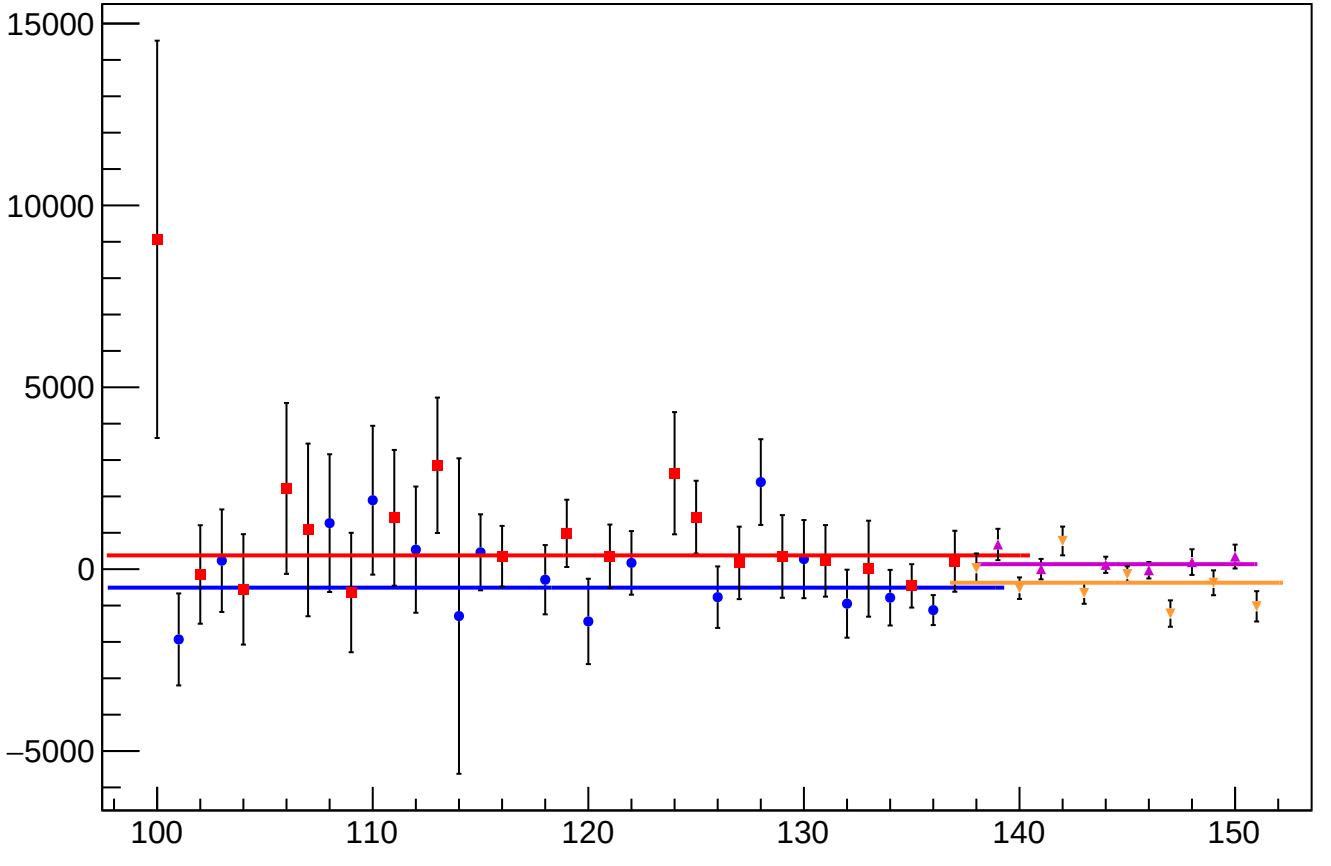
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 57.130+/-0.012 χ^2/NDF:1870844.9/21

Out: 56.959+/-0.011 χ^2/NDF:2302709.3/26

All: 57.041+/-0.008 χ^2/NDF: 4173660.3/48

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: -372.464+/-112.460 χ^2/NDF:19.7/7

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 137.245+/-115.443 χ^2/NDF:2.8/5

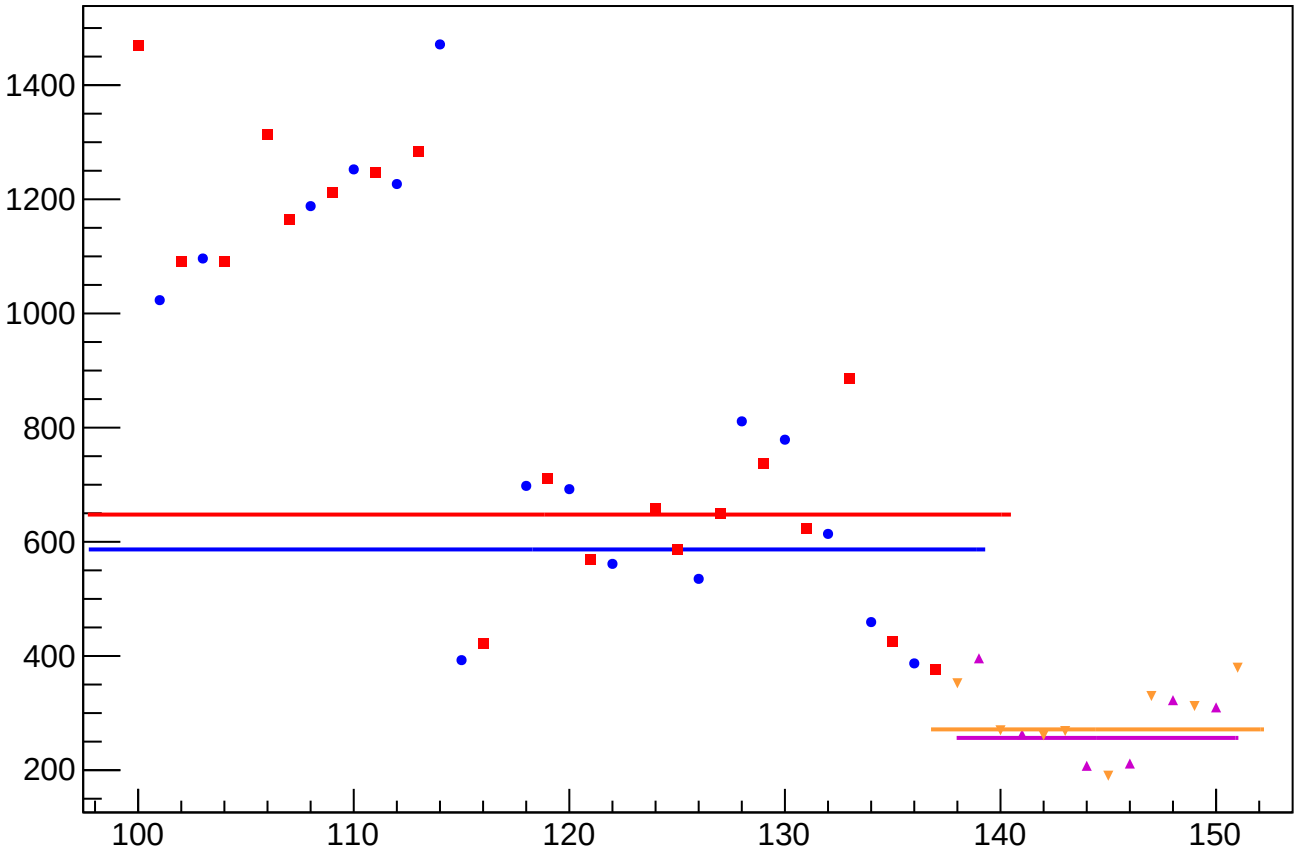
Left: -124.280+/-80.555 χ^2/NDF: 32.5/13

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 13.475+/-103.781 χ^2/NDF:24.4/21

Out: -251.245+/-102.989 χ^2/NDF:38.6/26

All: -119.898+/-73.103 χ^2/NDF: 66.3/48



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 271.437+/-0.080 χ^2/NDF:586515.7/7

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 256.511+/-0.082 χ^2/NDF:508692.5/5

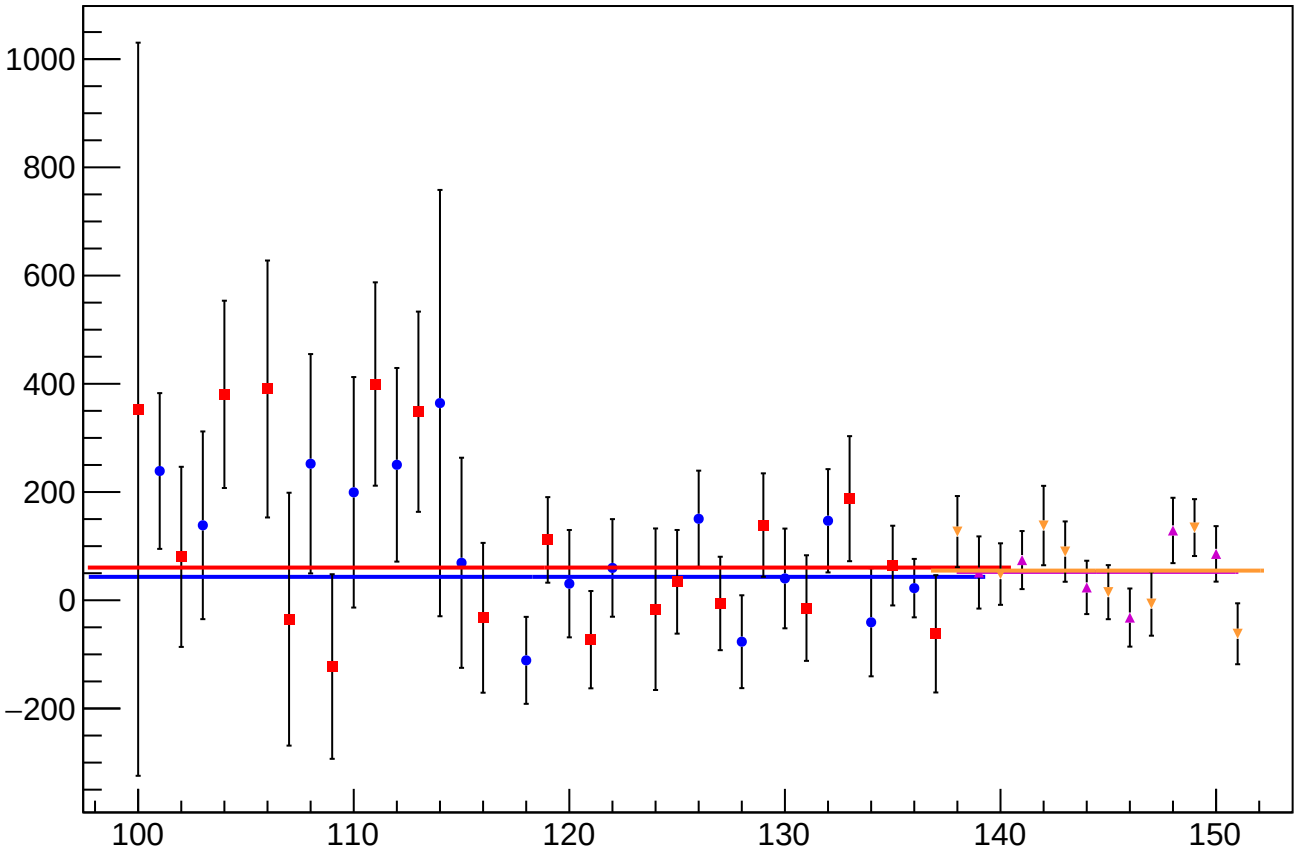
Left: 264.169+/-0.057 χ^2/NDF: 1112363.4/13

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 319.843+/-0.073 χ^2/NDF:5699556.6/21

Out: 332.146+/-0.073 χ^2/NDF:6304802.4/26

All: 326.042+/-0.052 χ^2/NDF: 12018520.3/48



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 54.805+/-20.365 χ^2/NDF:11.2/7

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 52.393+/-22.445 χ^2/NDF:5.0/5

Left: 53.716+/-15.082 χ^2/NDF: 16.2/13

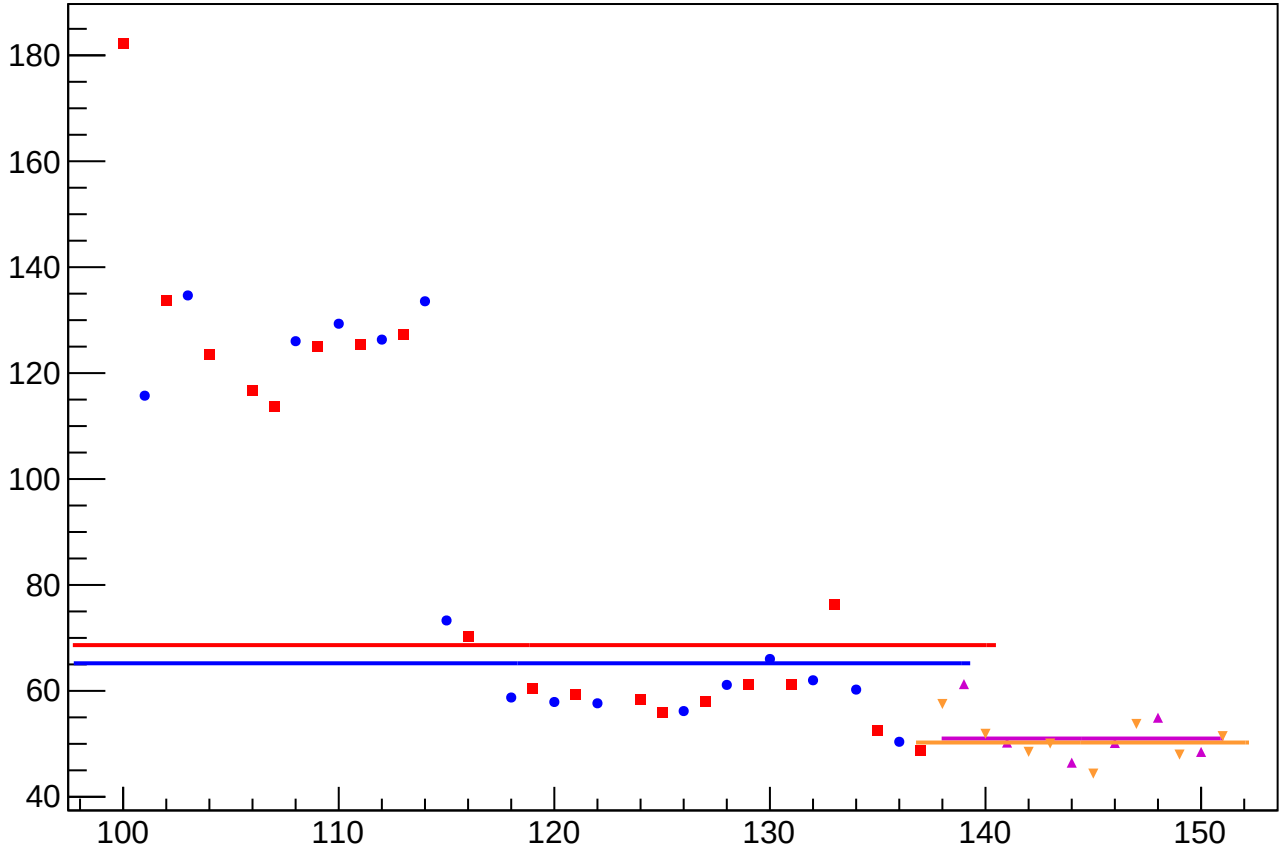
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 48.446+/-16.928 χ^2/NDF:20.0/21

Out: 56.856+/-16.236 χ^2/NDF:31.5/26

All: 52.827+/-11.718 χ^2/NDF: 51.7/48

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.253+/-0.014 χ^2/NDF:66571.3/7

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.004+/-0.016 χ^2/NDF:78775.7/5

Left: 50.592+/-0.011 χ^2/NDF: 146576.0/13

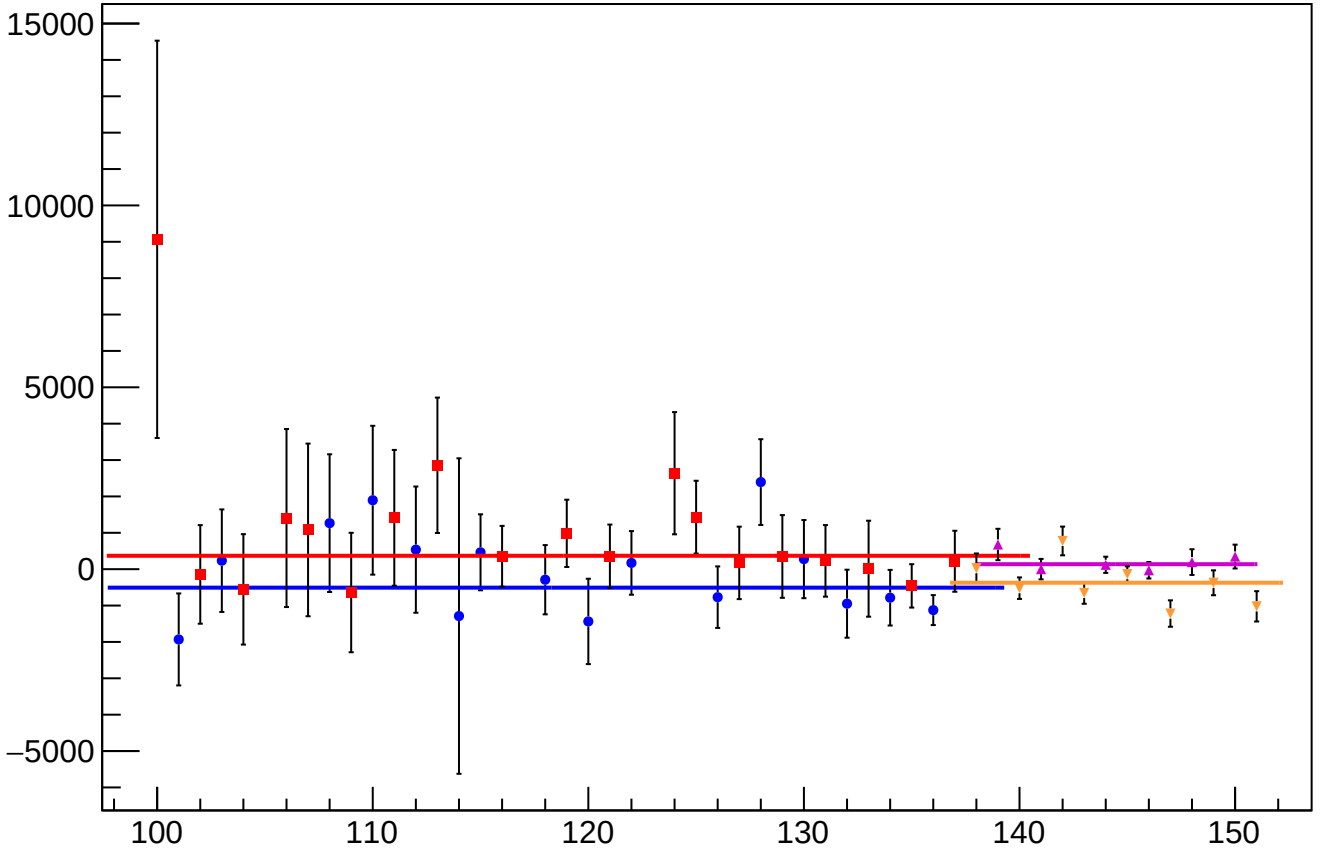
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 57.130+/-0.012 χ^2/NDF:1870847.1/21

Out: 56.954+/-0.011 χ^2/NDF:2298413.0/26

All: 57.038+/-0.008 χ^2/NDF: 4169373.1/48

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: -372.458+/-112.460 χ^2/NDF:19.7/7

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 137.245+/-115.443 χ^2/NDF:2.8/5

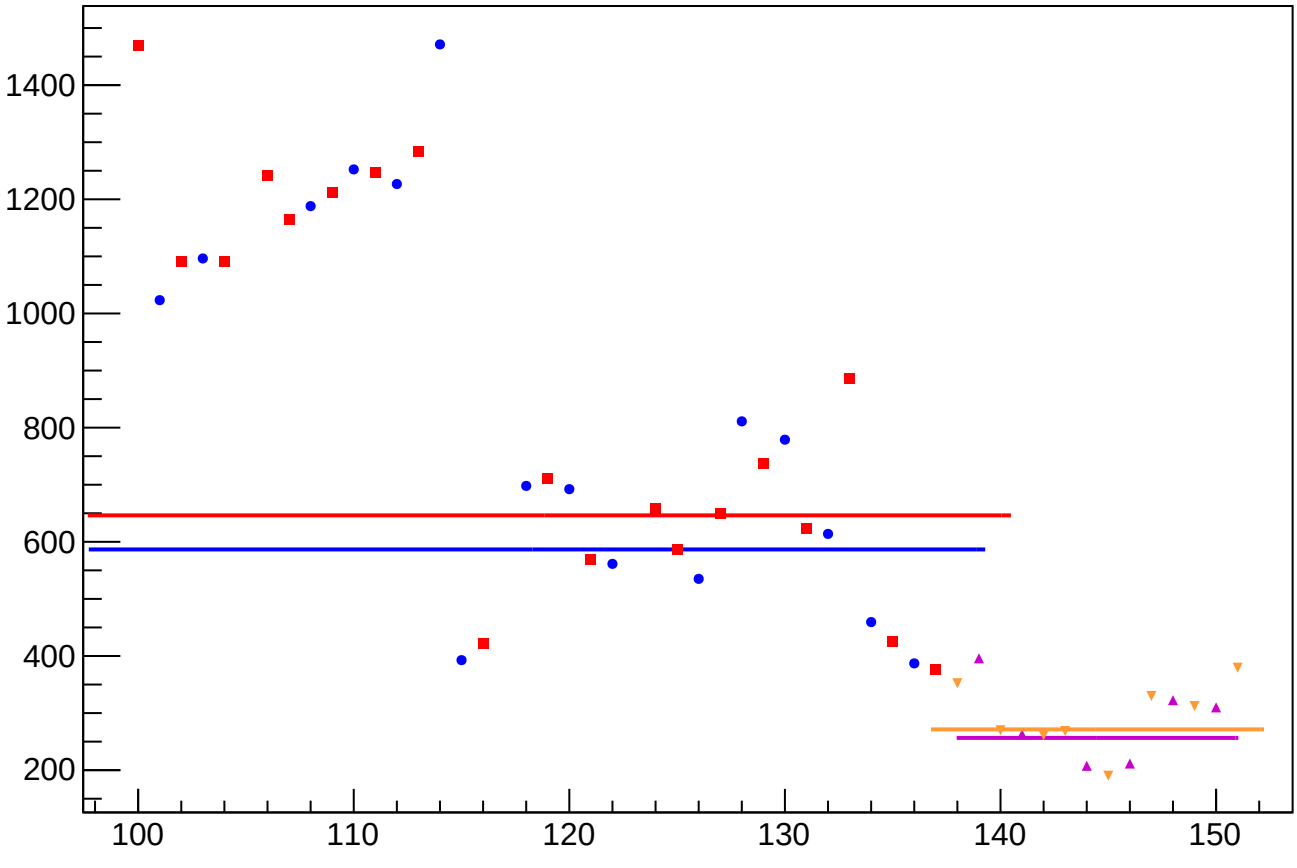
Left: -124.278+/-80.555 χ^2/NDF: 32.5/13

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 13.478+/-103.781 χ^2/NDF:24.4/21

Out: -253.043+/-102.997 χ^2/NDF:37.9/26

All: -120.792+/-73.105 χ^2/NDF: 65.7/48



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 271.437+/-0.080 χ^2/NDF:586518.4/7

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 256.511+/-0.082 χ^2/NDF:508690.3/5

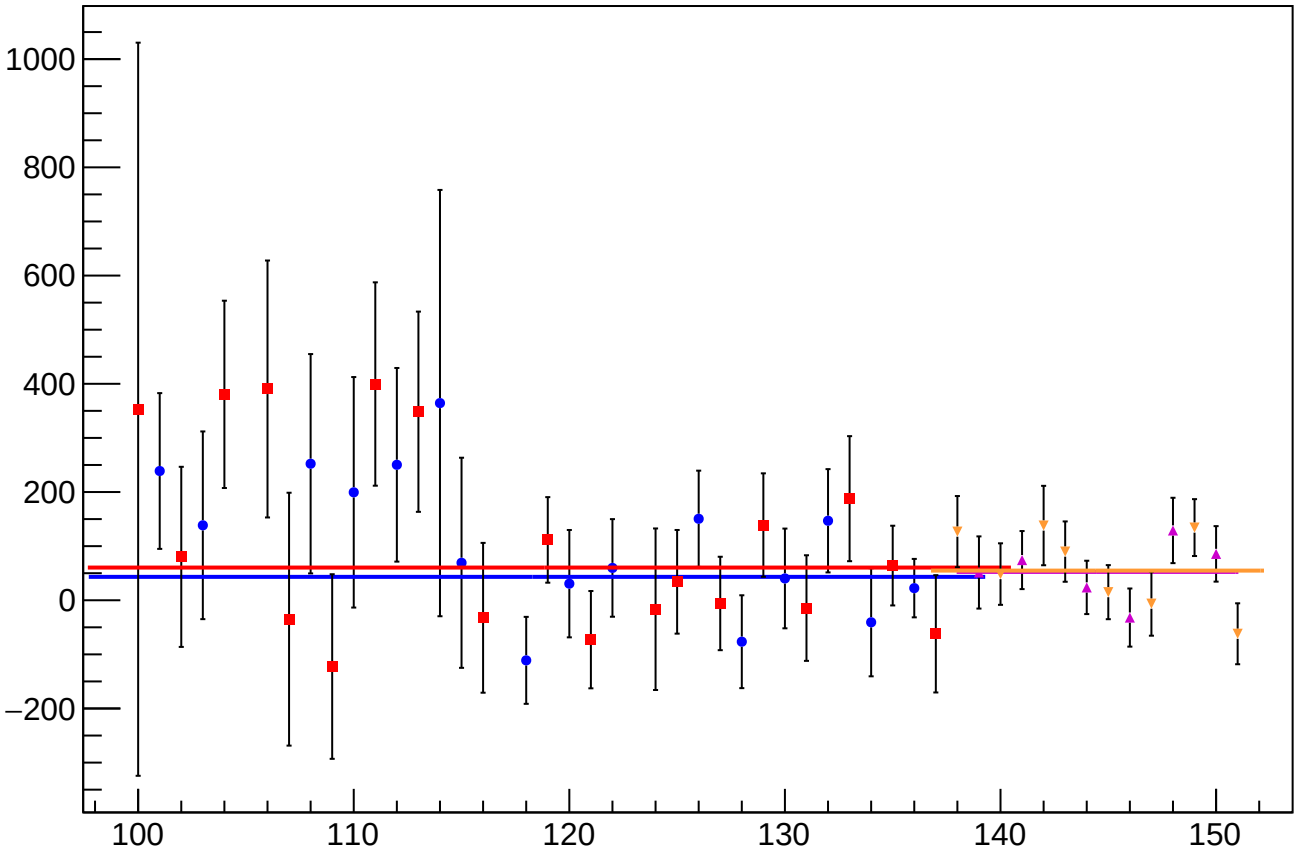
Left: 264.169+/-0.057 χ^2/NDF: 1112362.9/13

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 319.843+/-0.073 χ^2/NDF:5699574.6/21

Out: 331.869+/-0.073 χ^2/NDF:6232397.2/26

All: 325.902+/-0.052 χ^2/NDF: 11945500.1/48



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 54.805+/-20.365 χ^2/NDF:11.2/7

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 52.393+/-22.445 χ^2/NDF:5.0/5

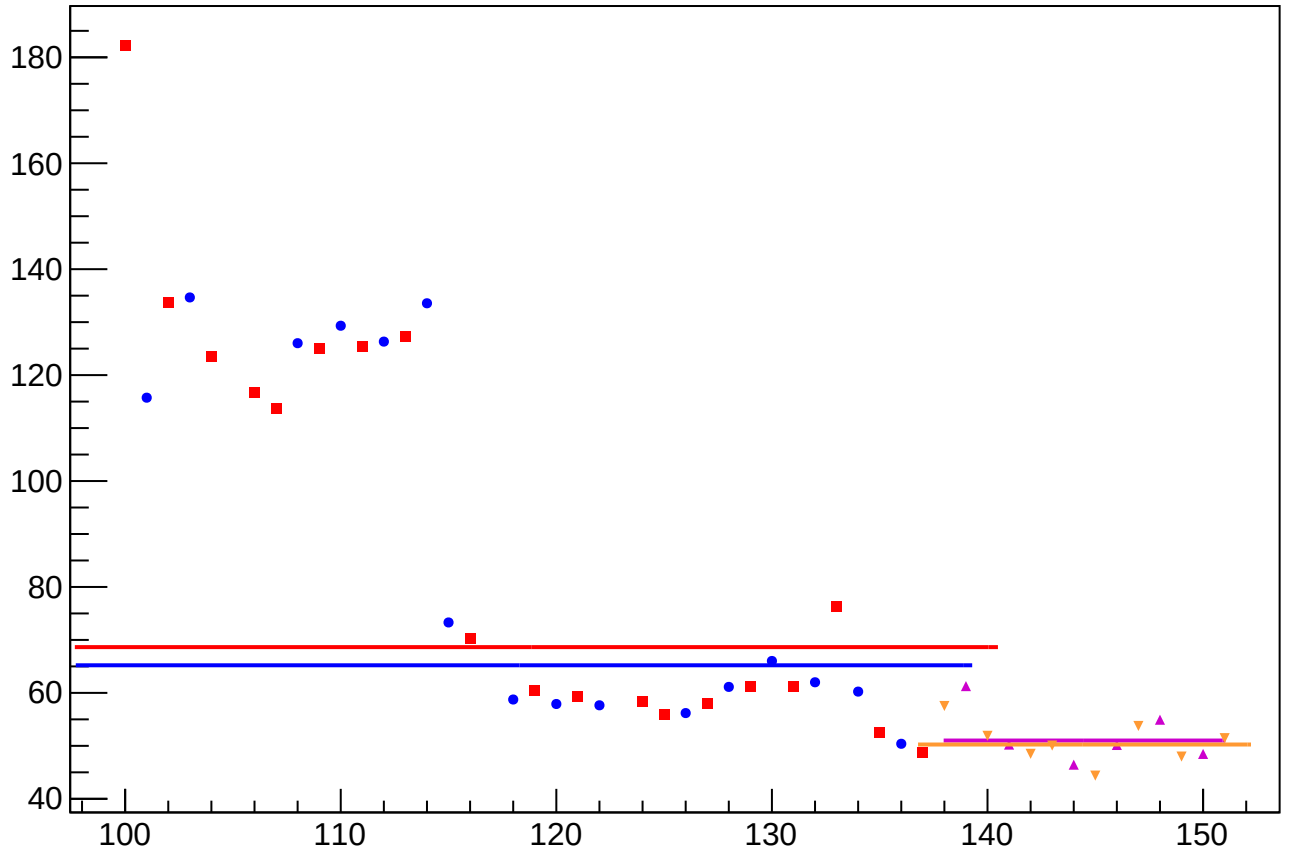
Left: 53.716+/-15.082 χ^2/NDF: 16.2/13

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 48.446+/-16.928 χ^2/NDF:20.0/21

Out: 56.856+/-16.236 χ^2/NDF:31.5/26

All: 52.827+/-11.718 χ^2/NDF: 51.7/48



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 50.253+/-0.014 χ^2/NDF:66571.3/7

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 51.004+/-0.016 χ^2/NDF:78775.7/5

Left: 50.592+/-0.011 χ^2/NDF: 146576.0/13

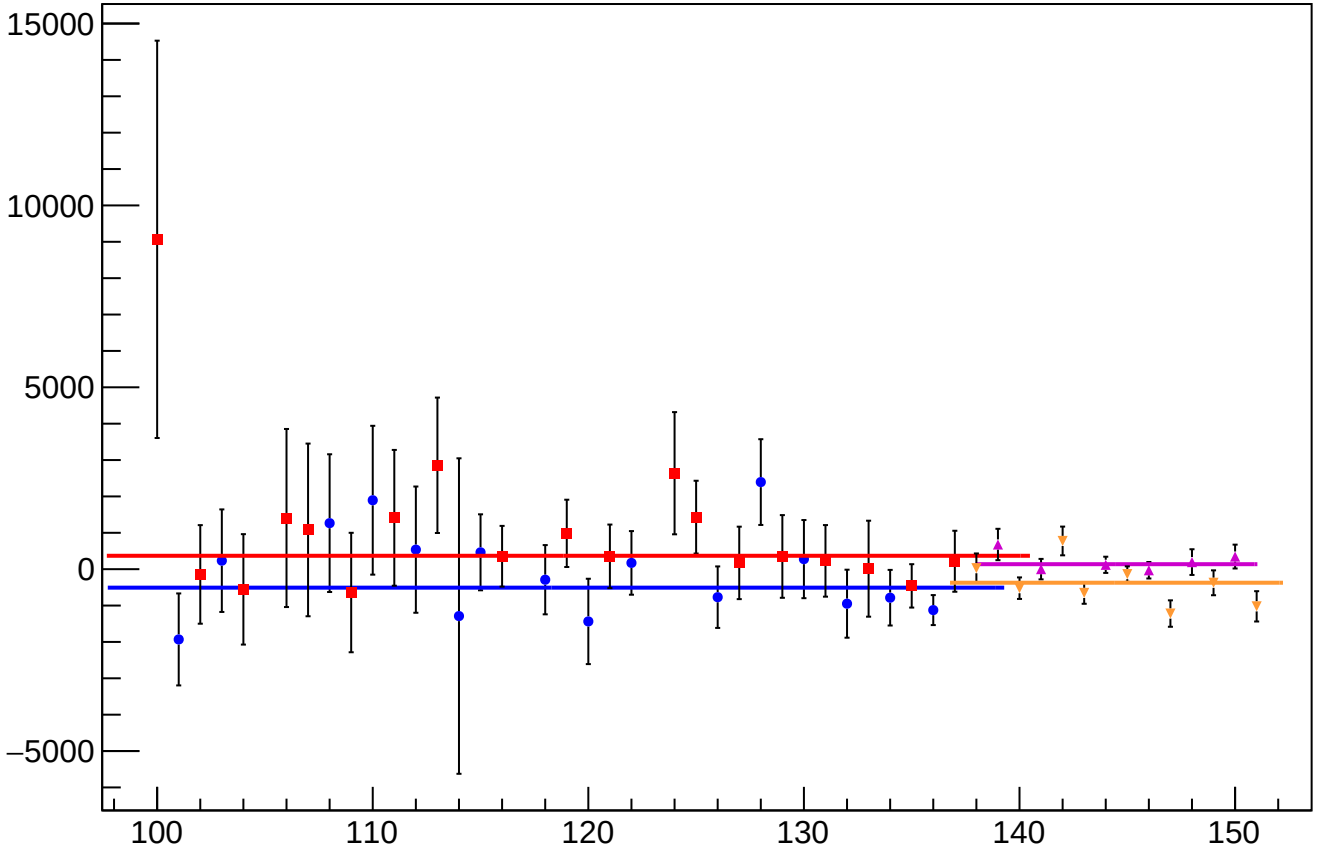
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 57.130+/-0.012 χ^2/NDF:1870847.1/21

Out: 56.954+/-0.011 χ^2/NDF:2298413.0/26

All: 57.038+/-0.008 χ^2/NDF: 4169373.1/48

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: -372.458+/-112.460 χ^2/NDF:19.7/7

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 137.245+/-115.443 χ^2/NDF:2.8/5

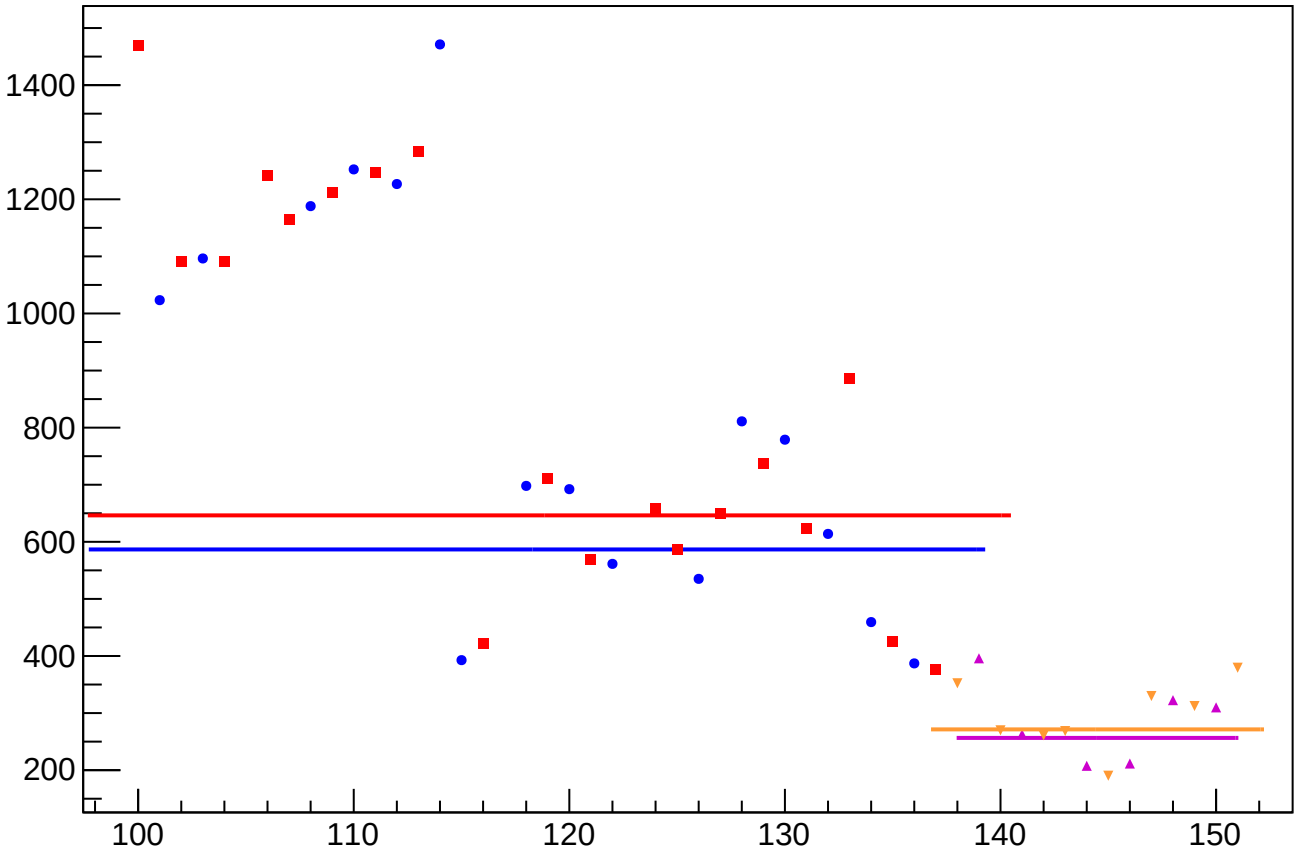
Left: -124.278+/-80.555 χ^2/NDF: 32.5/13

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 13.478+/-103.781 χ^2/NDF:24.4/21

Out: -253.043+/-102.997 χ^2/NDF:37.9/26

All: -120.792+/-73.105 χ^2/NDF: 65.7/48



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 271.437+/-0.080 χ^2/NDF:586518.4/7

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 256.511+/-0.082 χ^2/NDF:508690.3/5

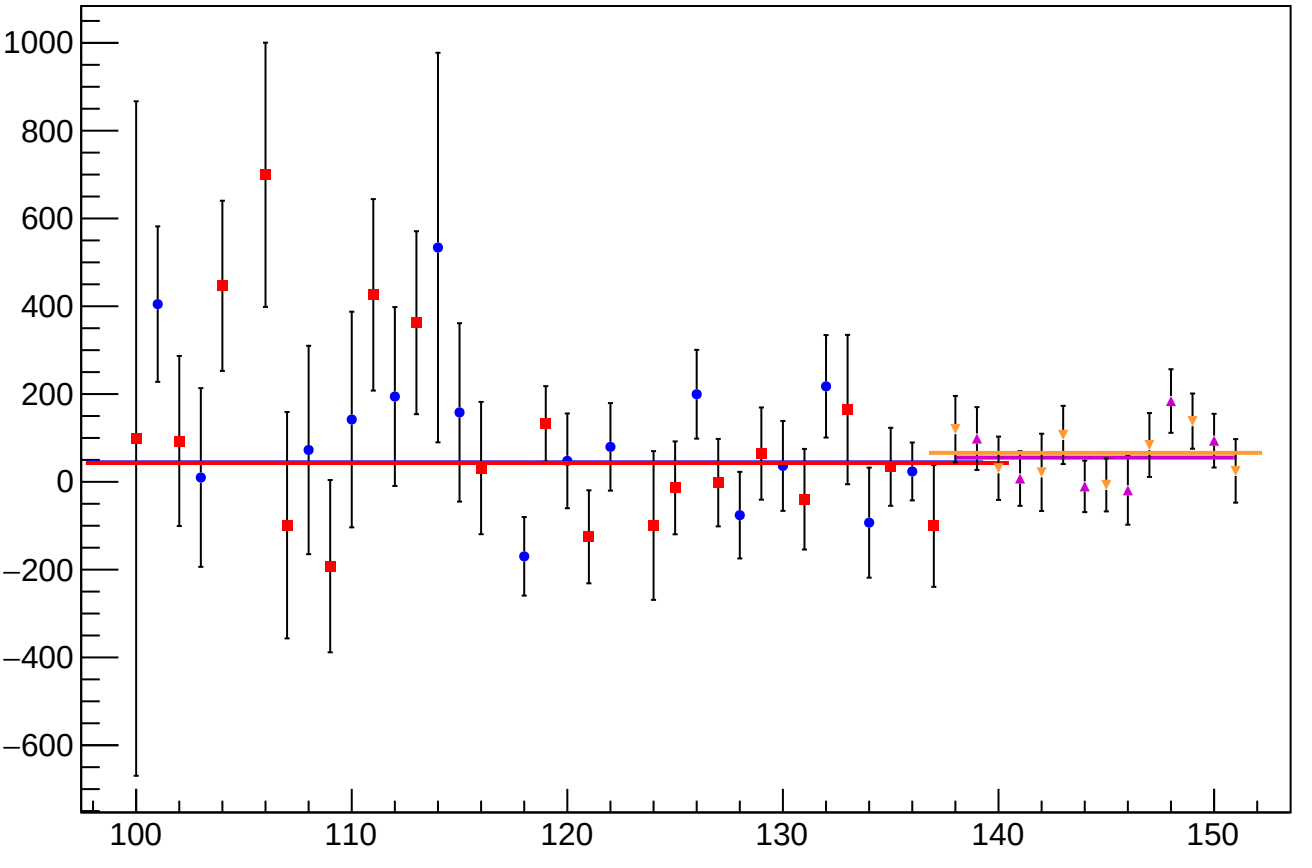
Left: 264.169+/-0.057 χ^2/NDF: 1112362.9/13

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 319.843+/-0.073 χ^2/NDF:5699574.6/21

Out: 331.869+/-0.073 χ^2/NDF:6232397.2/26

All: 325.902+/-0.052 χ^2/NDF: 11945500.1/48



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 66.058+/-24.766 χ^2/NDF:4.6/7

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 55.227+/-27.076 χ^2/NDF:6.7/5

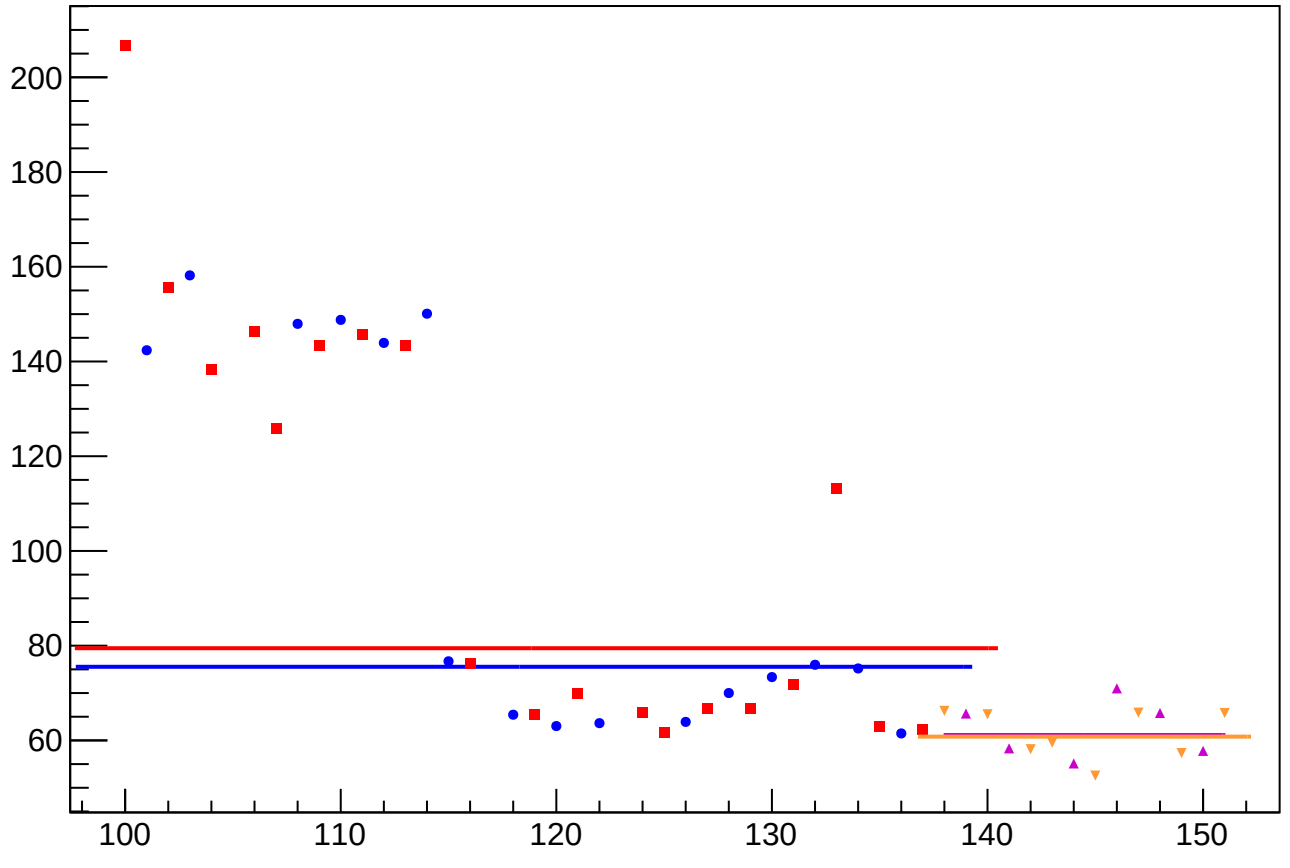
Left: 61.124+/-18.275 χ^2/NDF: 11.3/13

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 50.344+/-20.073 χ^2/NDF:26.3/21

Out: 57.124+/-19.409 χ^2/NDF:28.2/26

All: 53.848+/-13.953 χ^2/NDF: 54.6/48



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 60.797+/-0.018 χ^2/NDF:83892.3/7

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 61.147+/-0.019 χ^2/NDF:78837.2/5

Left: 60.957+/-0.013 χ^2/NDF: 162911.2/13

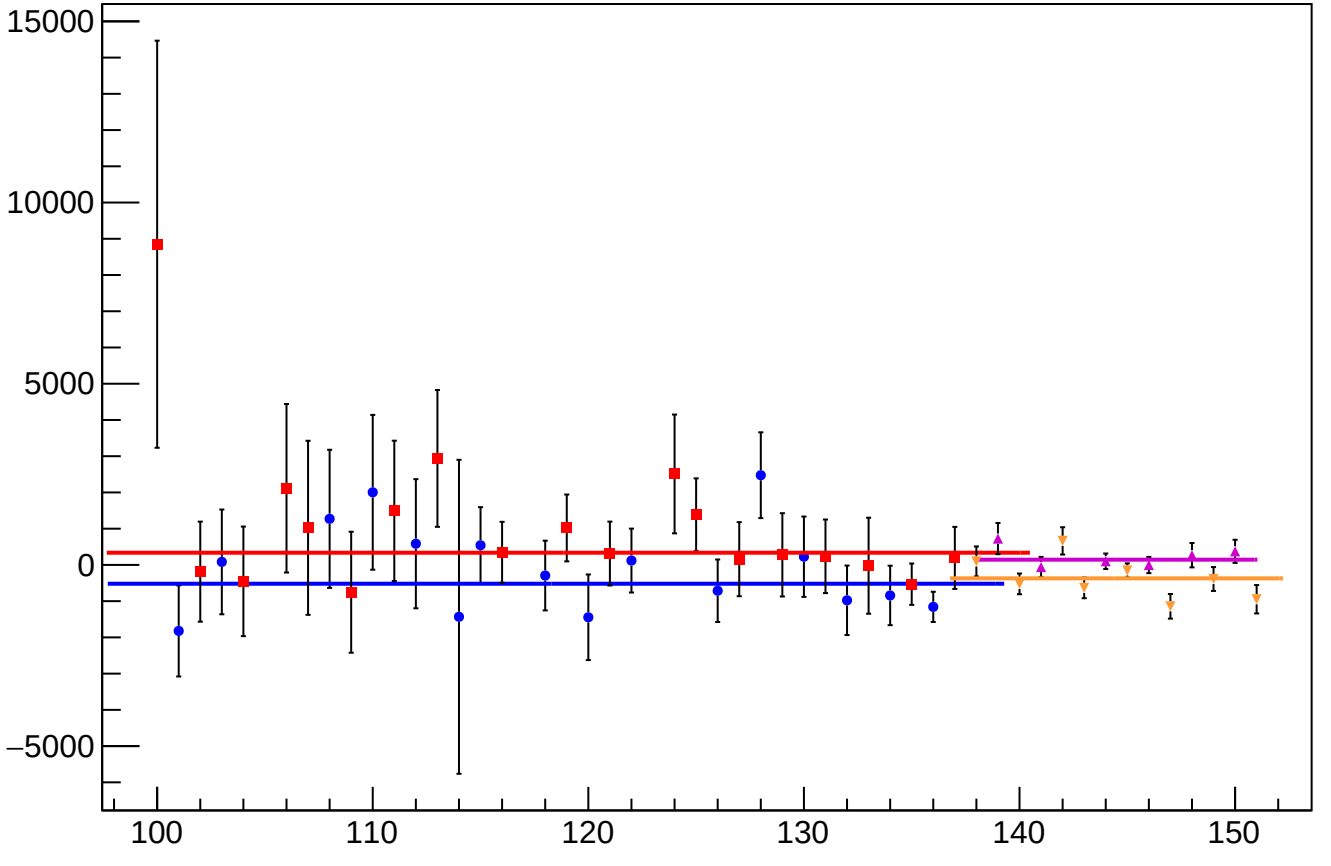
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 67.632+/-0.014 χ^2/NDF:1799085.6/21

Out: 68.000+/-0.014 χ^2/NDF:2205930.9/26

All: 67.822+/-0.010 χ^2/NDF: 4005363.5/48

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: -370.761+/-106.832 χ^2/NDF:18.5/7

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 144.366+/-112.666 χ^2/NDF:3.5/5

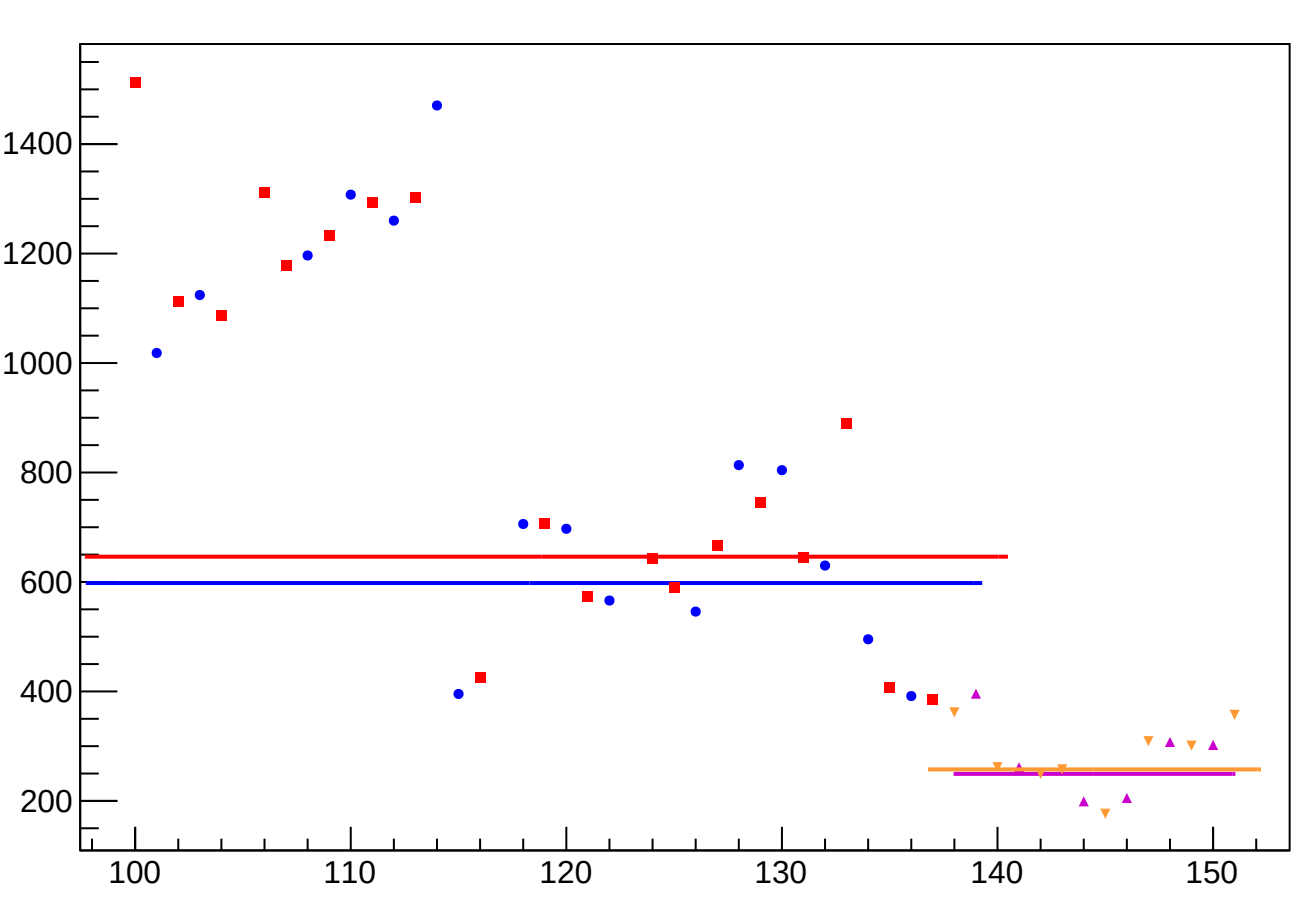
Left: -126.878+/-77.522 χ^2/NDF: 33.0/13

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 25.602+/-102.087 χ^2/NDF:25.5/21

Out: -266.256+/-98.627 χ^2/NDF:36.9/26

All: -125.358+/-70.931 χ^2/NDF: 66.6/48



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 257.539+/-0.076 χ^2/NDF:679041.8/7

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 249.369+/-0.080 χ^2/NDF:537669.5/5

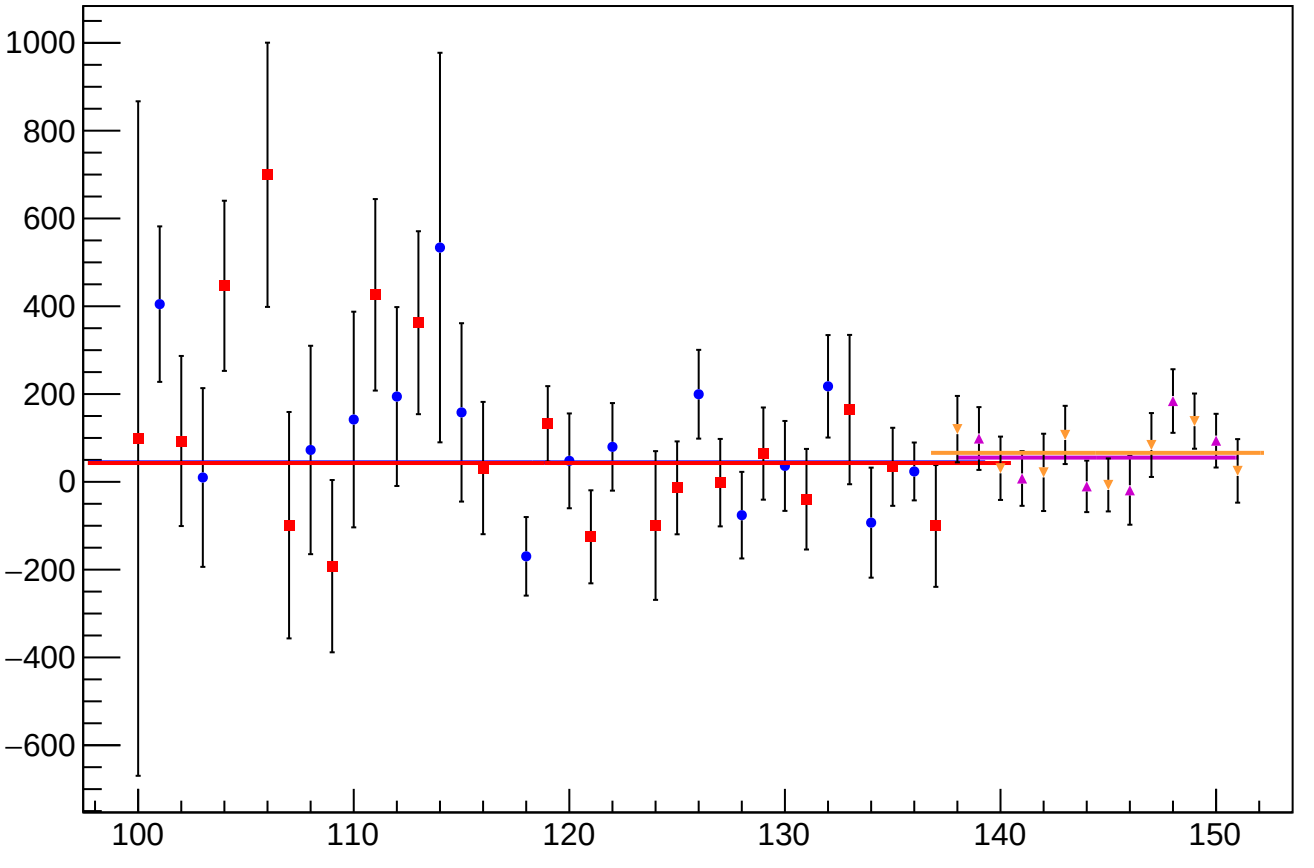
Left: 253.671+/-0.055 χ^2/NDF: 1222249.8/13

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 311.770+/-0.072 χ^2/NDF:6013640.8/21

Out: 314.947+/-0.070 χ^2/NDF:6794349.2/26

All: 313.413+/-0.050 χ^2/NDF: 12808992.4/48



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 66.058+/-24.766 χ^2/NDF:4.6/7

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 55.226+/-27.076 χ^2/NDF:6.7/5

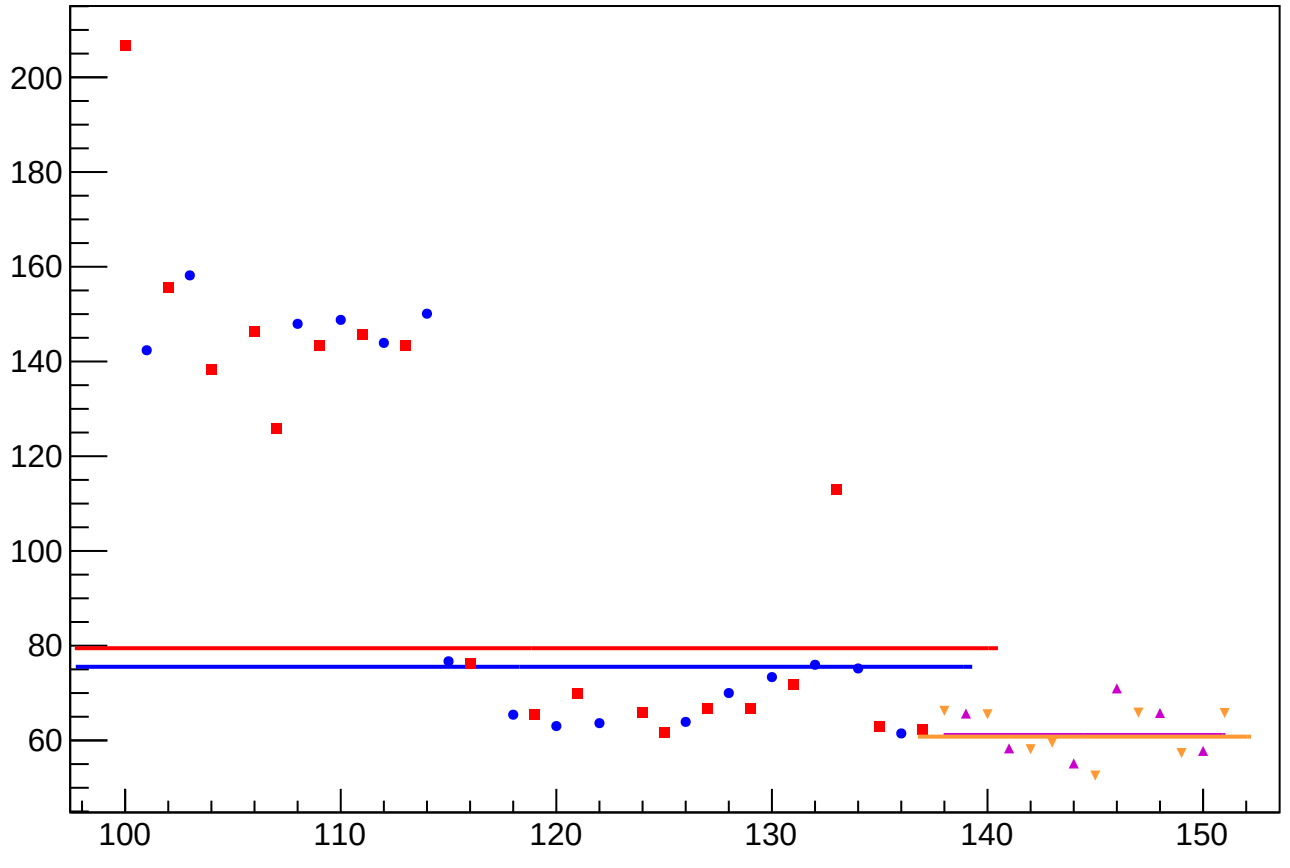
Left: 61.124+/-18.275 χ^2/NDF: 11.3/13

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 50.345+/-20.073 χ^2/NDF:26.3/21

Out: 57.124+/-19.409 χ^2/NDF:28.2/26

All: 53.848+/-13.953 χ^2/NDF: 54.6/48



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 60.798+/-0.018 χ^2/NDF:83888.8/7

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 61.147+/-0.019 χ^2/NDF:78836.4/5

Left: 60.957+/-0.013 χ^2/NDF: 162906.8/13

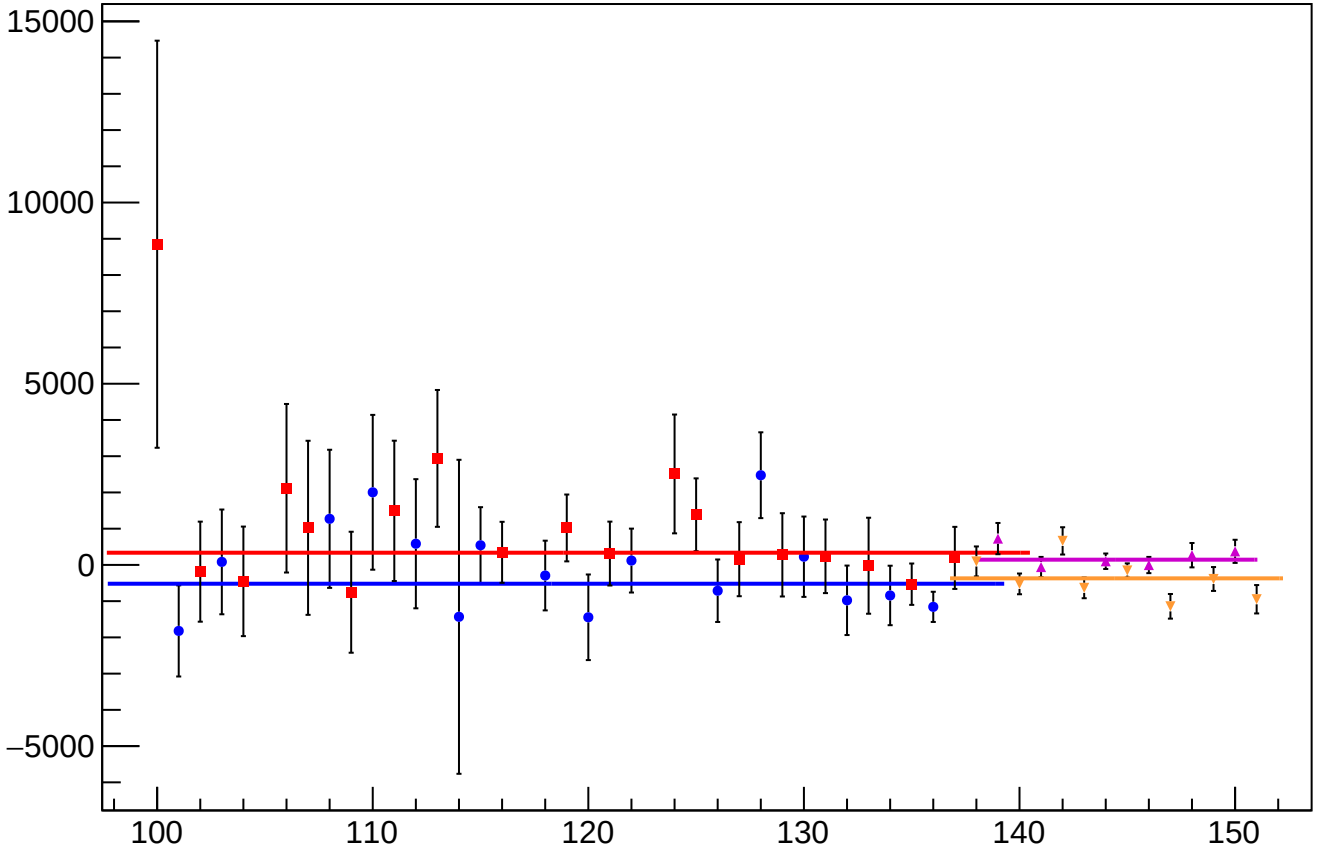
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 67.632+/-0.014 χ^2/NDF:1799051.2/21

Out: 68.000+/-0.014 χ^2/NDF:2205894.8/26

All: 67.822+/-0.010 χ^2/NDF: 4005293.2/48

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: -370.762+/-106.832 χ^2/NDF:18.5/7

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 144.366+/-112.665 χ^2/NDF:3.5/5

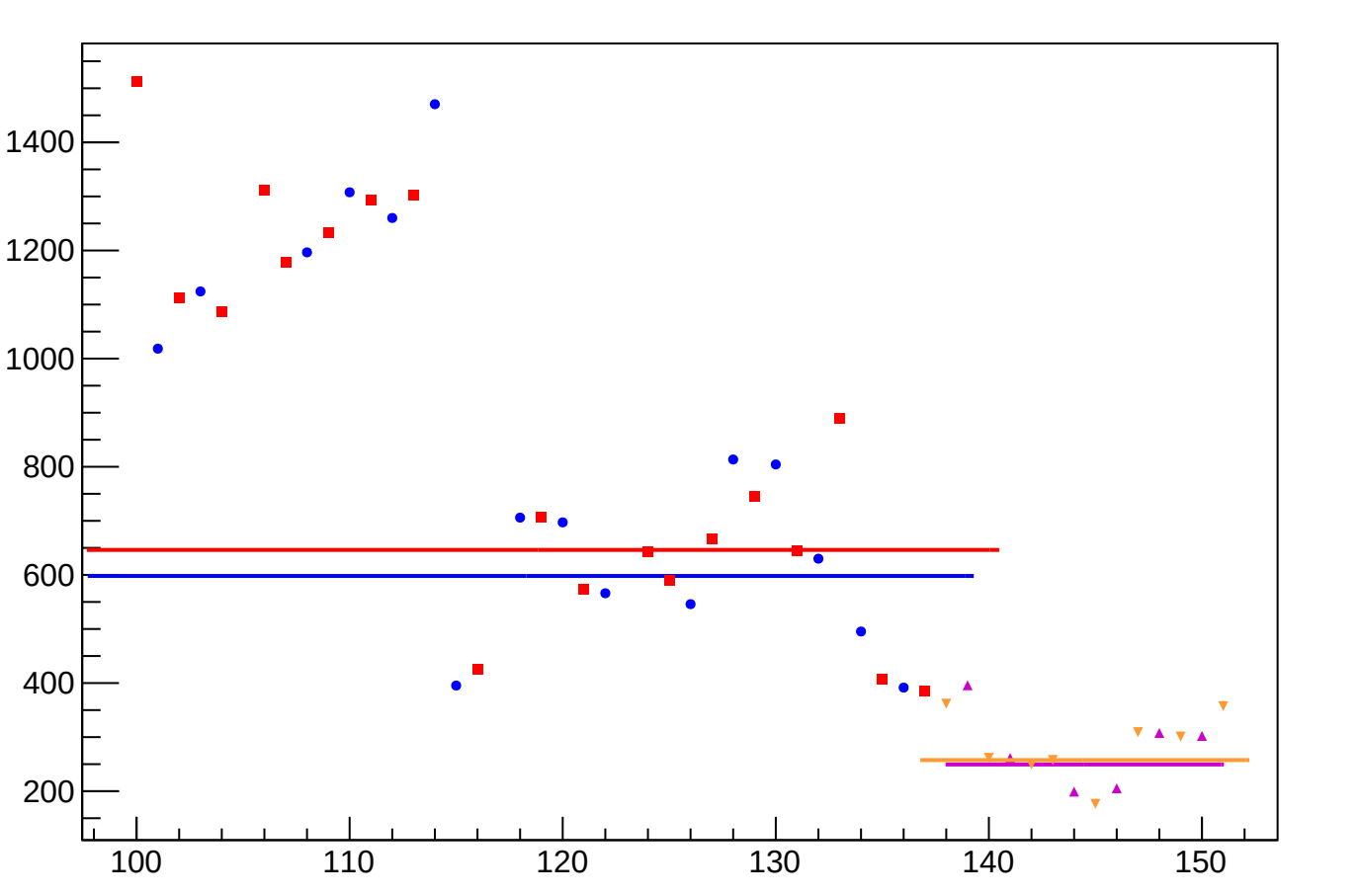
Left: -126.879+/-77.522 χ^2/NDF: 33.0/13

Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

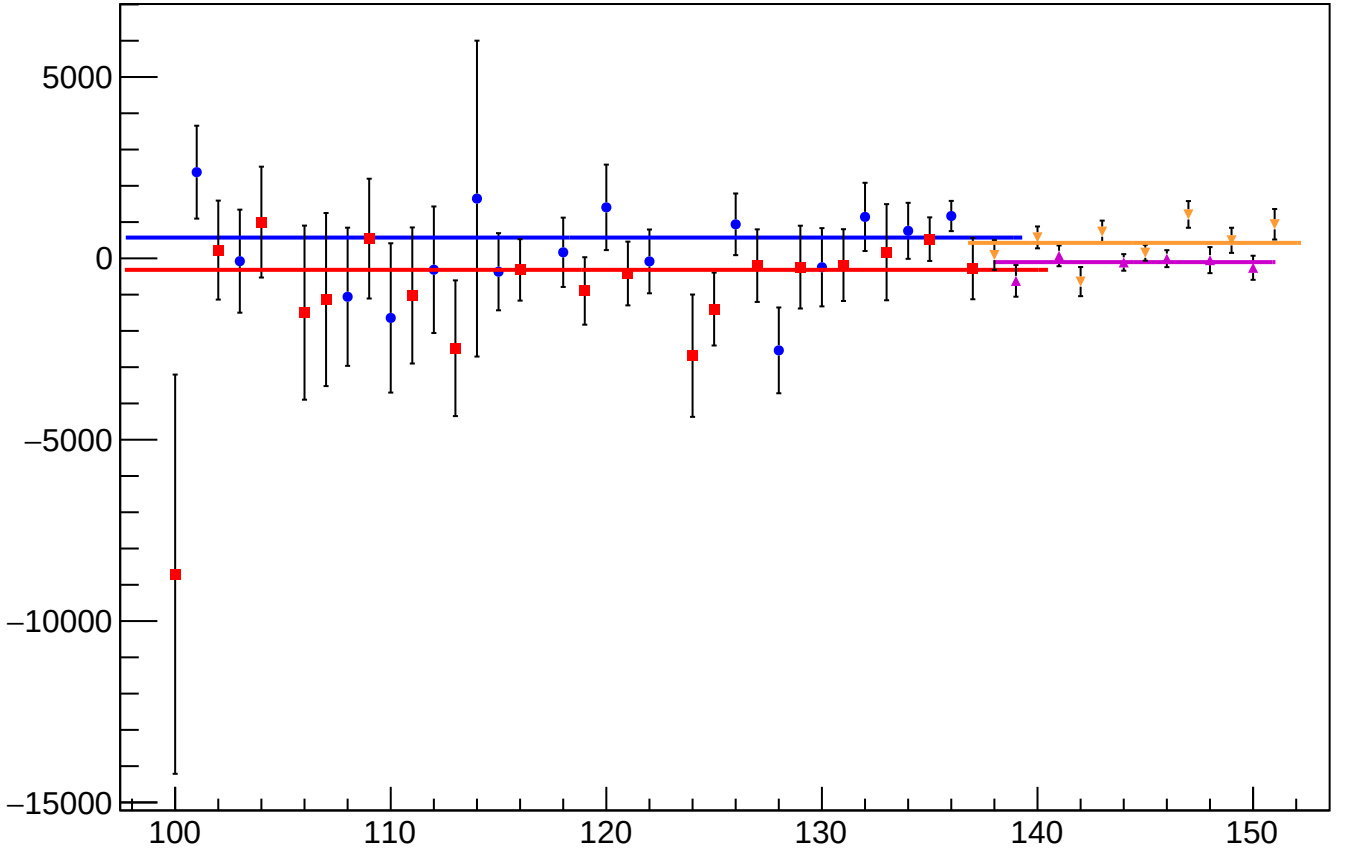
In: 25.602+/-102.087 χ^2/NDF:25.5/21

Out: -266.257+/-98.626 χ^2/NDF:36.9/26

All: -125.358+/-70.931 χ^2/NDF: 66.6/48


asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 598.044+/-0.171 χ²/NDF: 2047806.5/15
Left Out: 257.539+/-0.076 χ²/NDF:679043.3/7
Right Out: 646.190+/-0.181 χ²/NDF: 2205421.4/18
Left In: 249.369+/-0.080 χ²/NDF:537664.2/5
Left: 253.671+/-0.055 χ²/NDF: 1222245.5/13
Right: 620.638+/-0.124 χ²/NDF: 4290589.9/34
In: 311.769+/-0.072 χ²/NDF:6013623.5/21
Out: 314.947+/-0.070 χ²/NDF:6794348.6/26
All: 313.413+/-0.050 χ²/NDF: 12808974.3/48

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 427.076+/-114.563 χ^2/NDF:16.6/7

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -103.662+/-118.025 χ^2/NDF:2.2/5

Left: 169.603+/-82.205 χ^2/NDF: 29.2/13

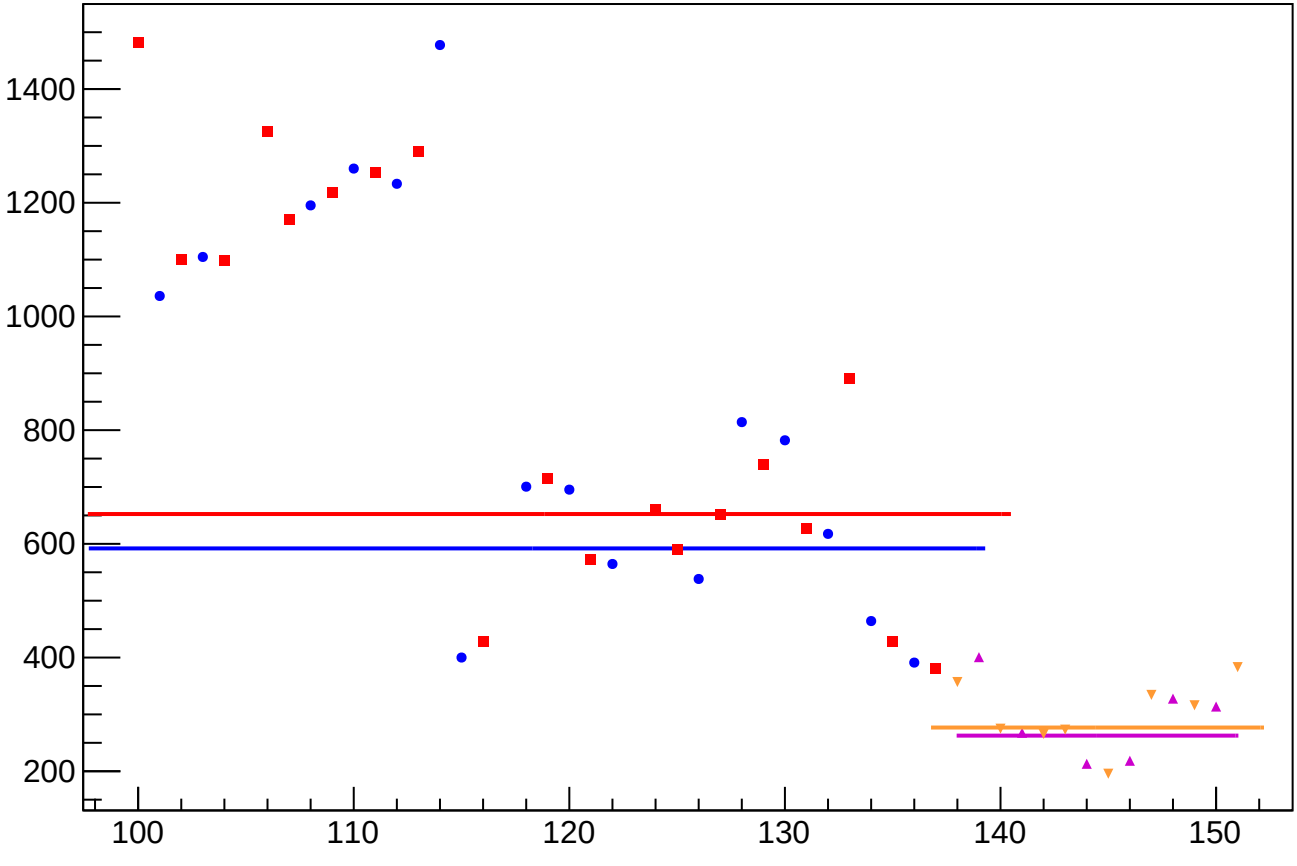
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 29.144+/-105.818 χ^2/NDF:25.2/21

Out: 304.743+/-104.721 χ^2/NDF:34.6/26

All: 168.379+/-74.434 χ^2/NDF: 63.2/48

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 276.901+/-0.081 χ^2/NDF:555126.8/7

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 262.669+/-0.083 χ^2/NDF:479857.9/5

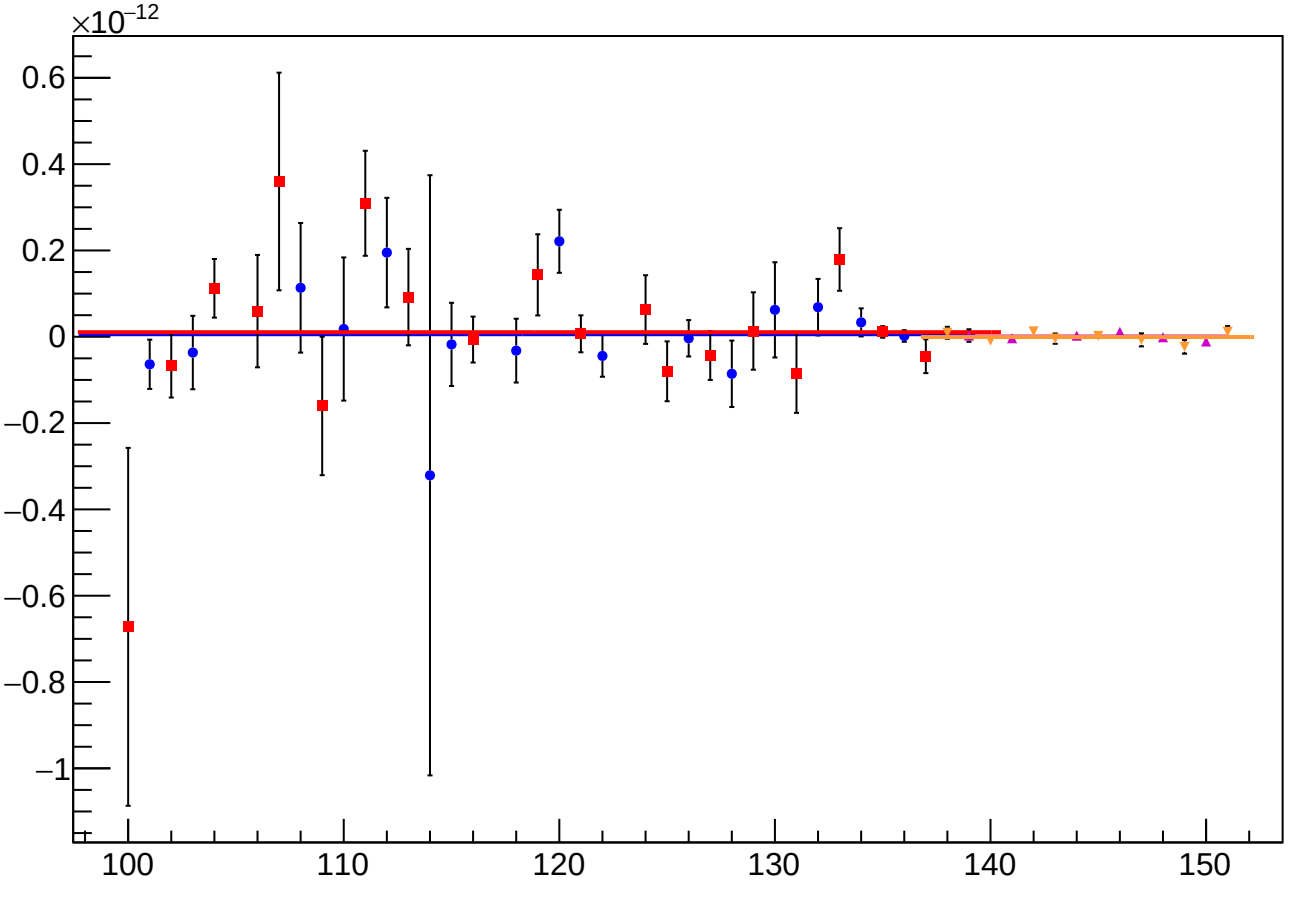
Left: 269.996+/-0.058 χ^2/NDF: 1049957.4/13

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 327.265+/-0.075 χ^2/NDF:5569693.0/21

Out: 338.660+/-0.074 χ^2/NDF:6179521.9/26

All: 333.022+/-0.053 χ^2/NDF: 11760931.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/5

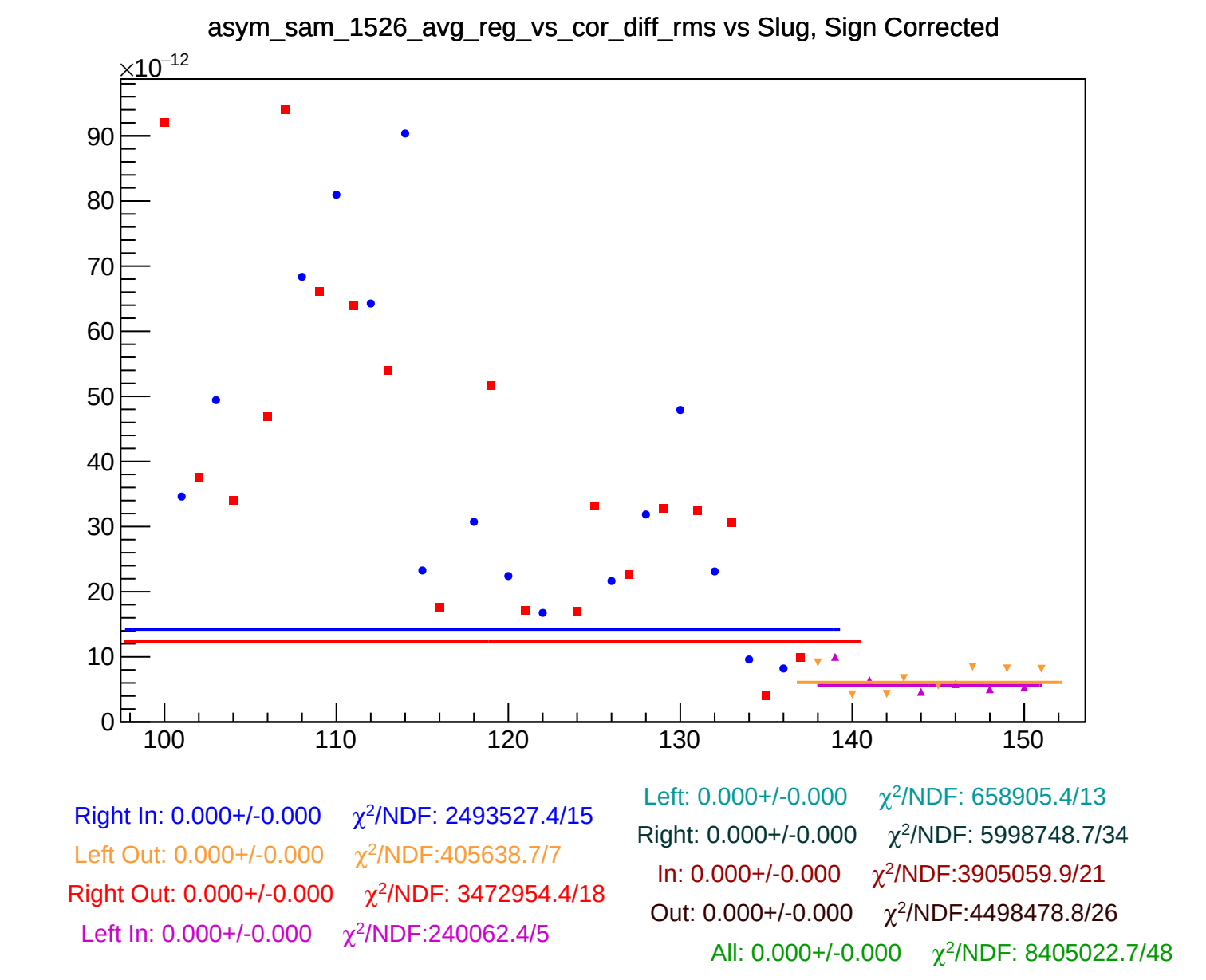
Left: -0.000+/-0.000 χ^2/NDF: 9.2/13

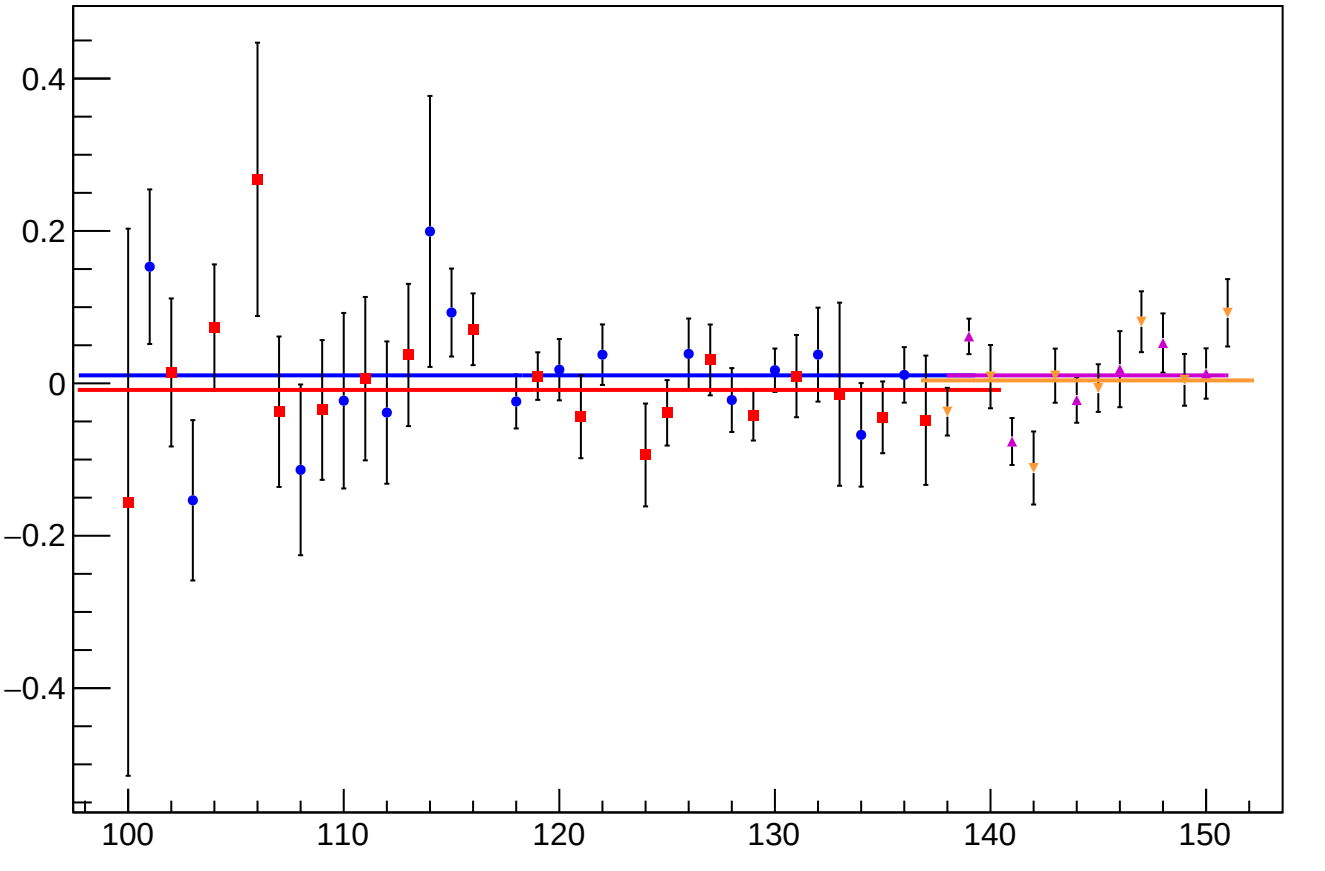
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:21.3/21

Out: 0.000+/-0.000 χ^2/NDF:36.8/26

All: 0.000+/-0.000 χ^2/NDF: 58.1/48


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:405638.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:240062.4/5
Left: 0.000+/-0.000 χ²/NDF: 658905.4/13
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:3905059.9/21
Out: 0.000+/-0.000 χ²/NDF:4498478.8/26
All: 0.000+/-0.000 χ²/NDF: 8405022.7/48



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.013 χ^2/NDF:15.2/5

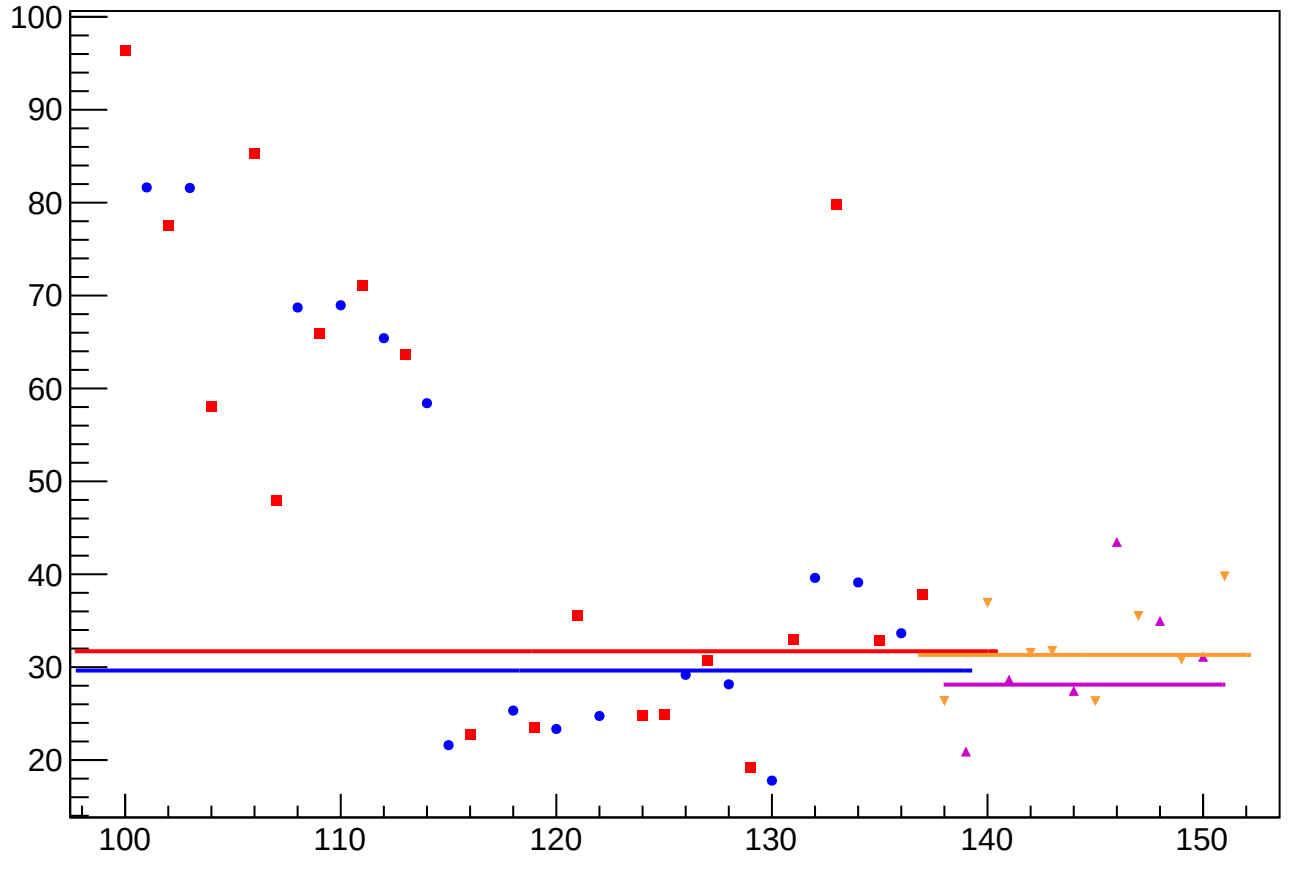
Left: 0.007+/-0.009 χ^2/NDF: 30.7/13

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/21

Out: -0.002+/-0.009 χ^2/NDF:28.2/26

All: 0.004+/-0.006 χ^2/NDF: 57.5/48



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.320+/-0.009 χ^2/NDF:233322.9/7

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.121+/-0.009 χ^2/NDF:461064.0/5

Left: 29.701+/-0.006 χ^2/NDF: 755093.7/13

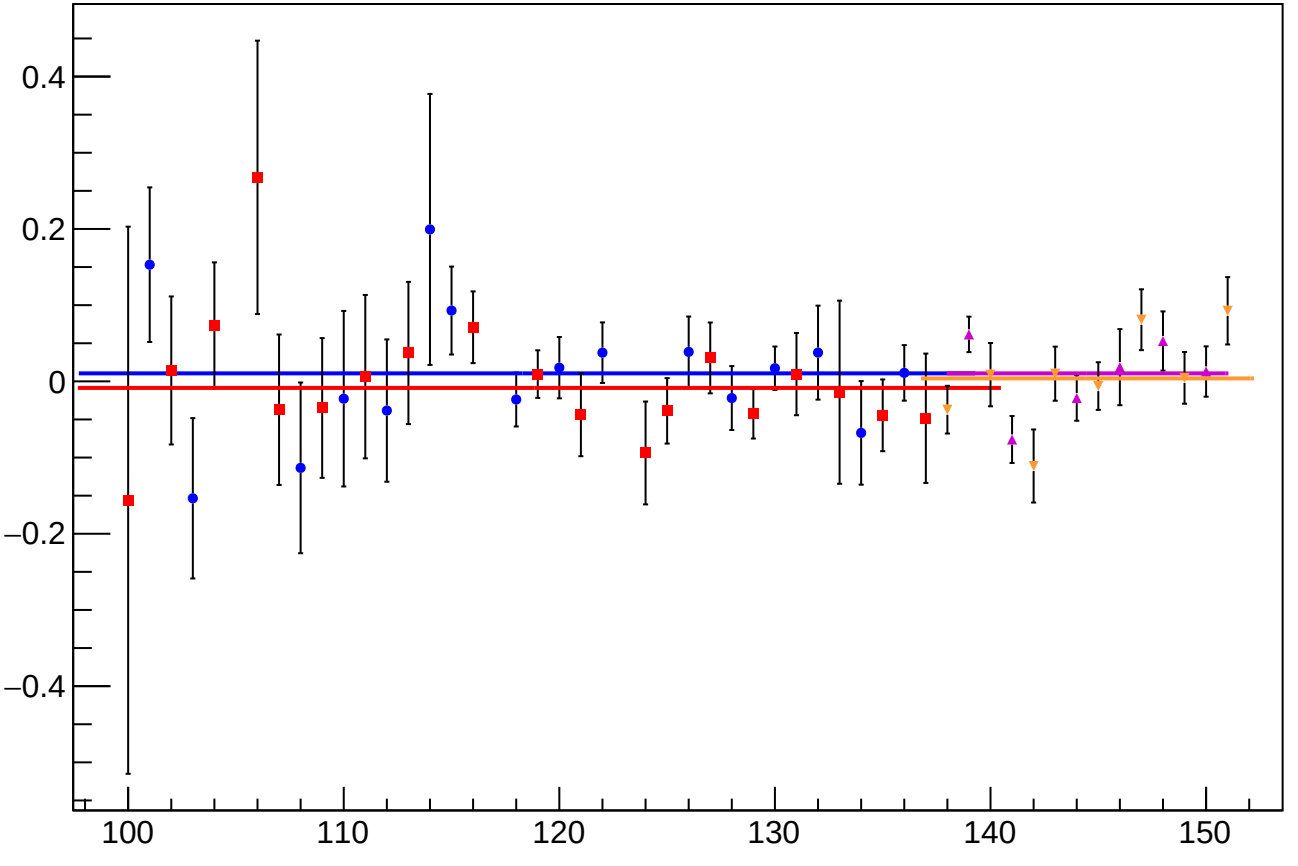
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.898+/-0.006 χ^2/NDF:2923664.3/21

Out: 31.514+/-0.007 χ^2/NDF:2885681.1/26

All: 30.163+/-0.005 χ^2/NDF: 5891019.4/48

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.013 χ^2/NDF:15.2/5

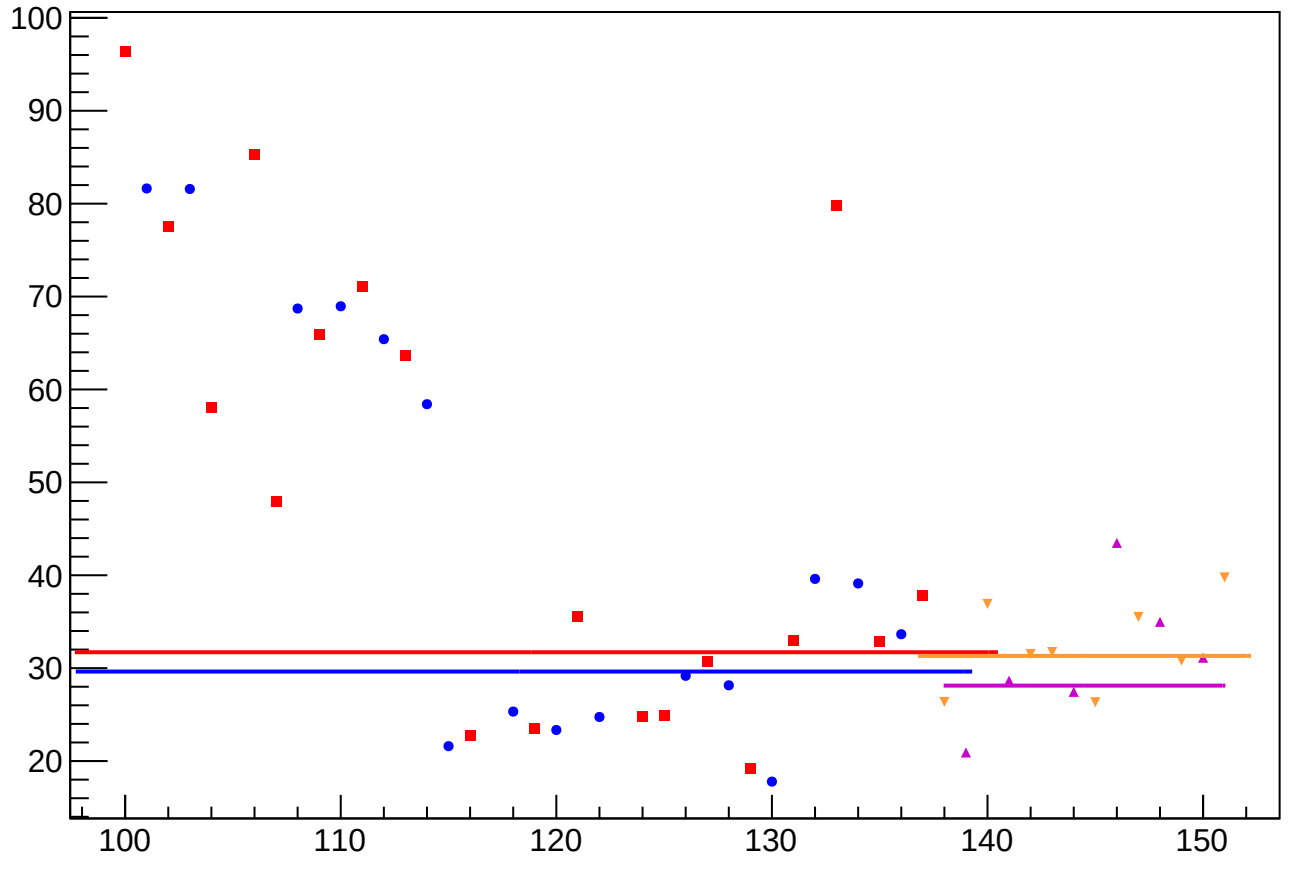
Left: 0.007+/-0.009 χ^2/NDF: 30.7/13

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/21

Out: -0.002+/-0.009 χ^2/NDF:28.2/26

All: 0.004+/-0.006 χ^2/NDF: 57.5/48



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.320+/-0.009 χ^2/NDF:233322.9/7

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.121+/-0.009 χ^2/NDF:461064.0/5

Left: 29.701+/-0.006 χ^2/NDF: 755093.7/13

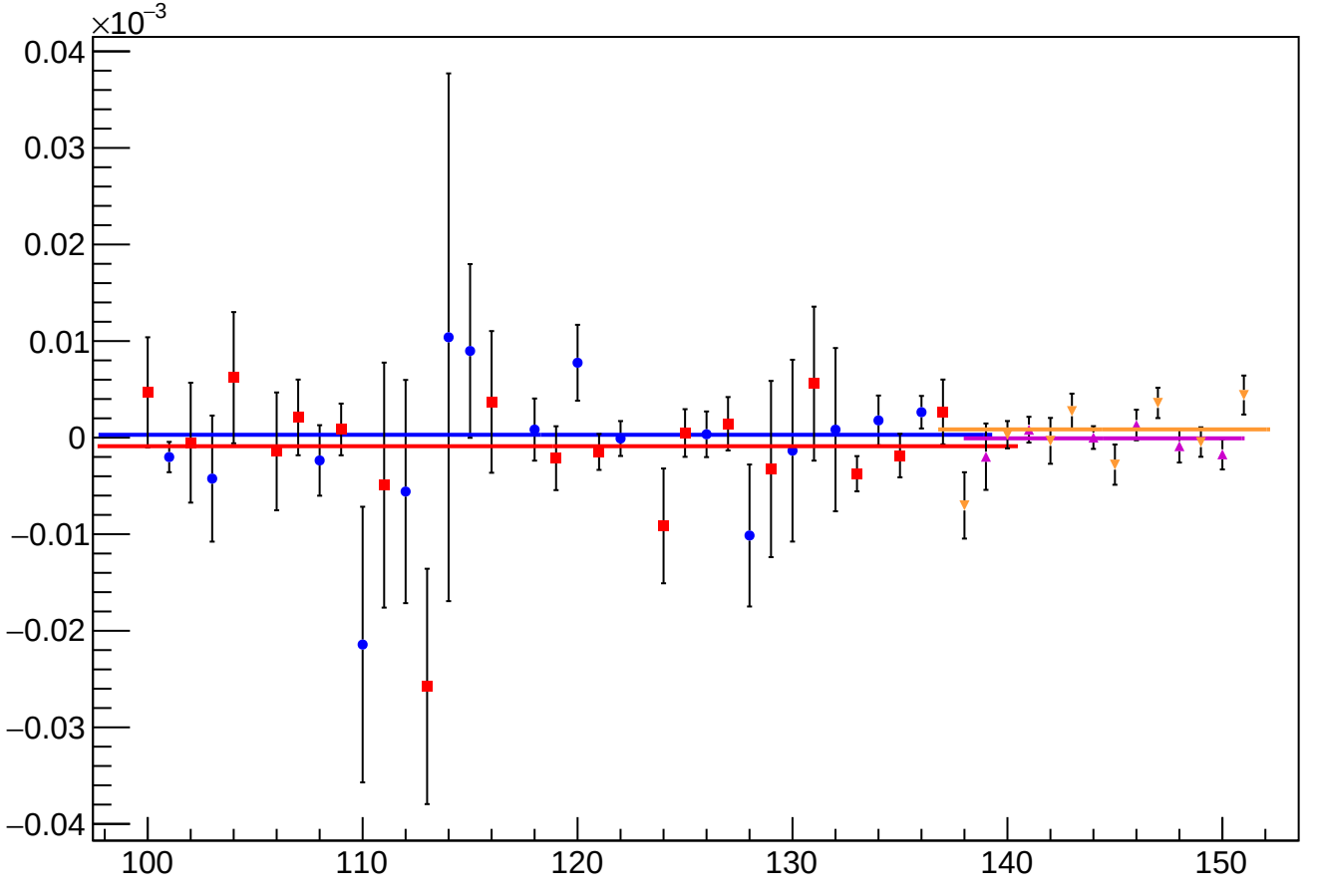
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.898+/-0.006 χ^2/NDF:2923664.3/21

Out: 31.514+/-0.007 χ^2/NDF:2885681.1/26

All: 30.163+/-0.005 χ^2/NDF: 5891019.4/48

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/5

Left: 0.000+/-0.000 χ^2/NDF: 20.6/13

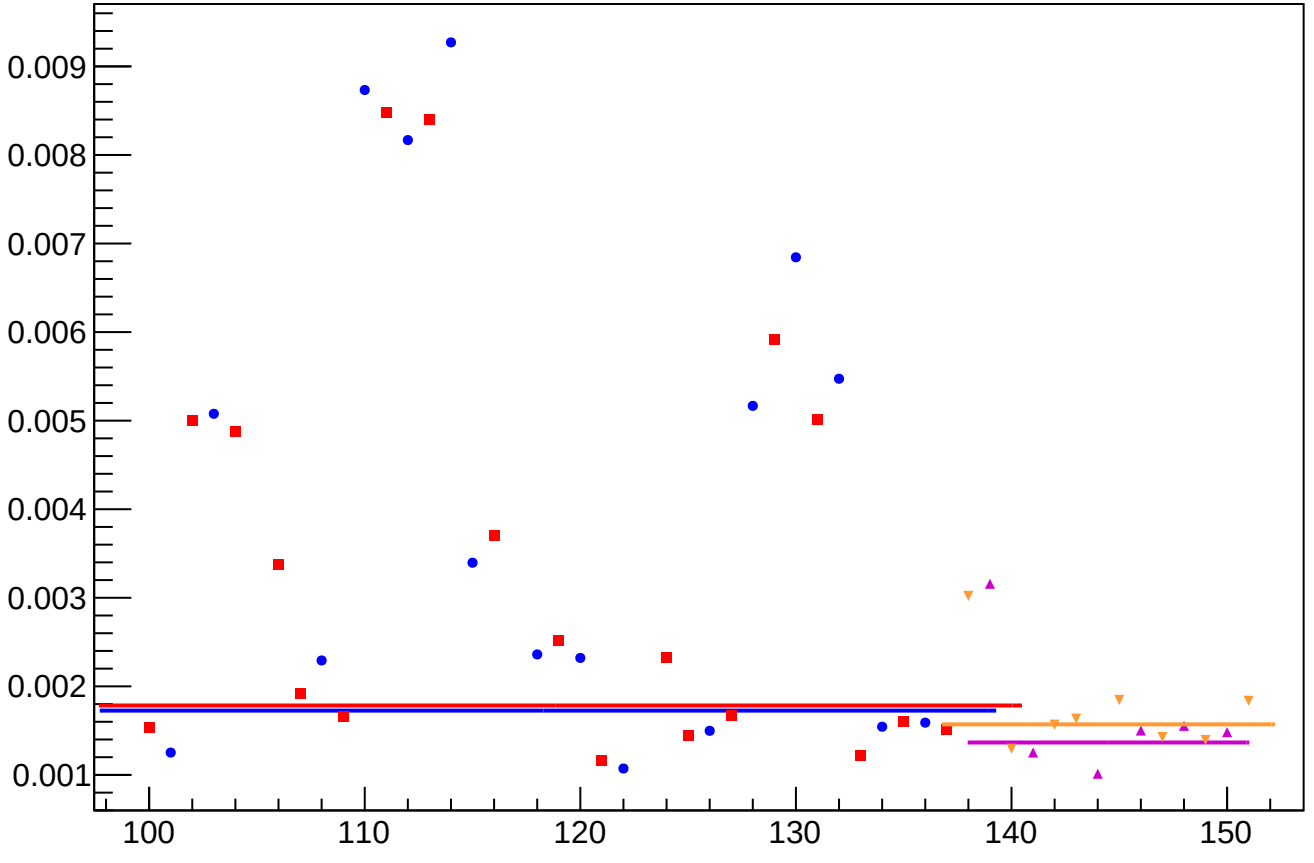
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:17.8/21

Out: 0.000+/-0.000 χ^2/NDF:35.0/26

All: 0.000+/-0.000 χ^2/NDF: 52.8/48

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:547381.0/7

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:787671.3/5

Left: 0.001+/-0.000 χ^2/NDF: 1437370.4/13

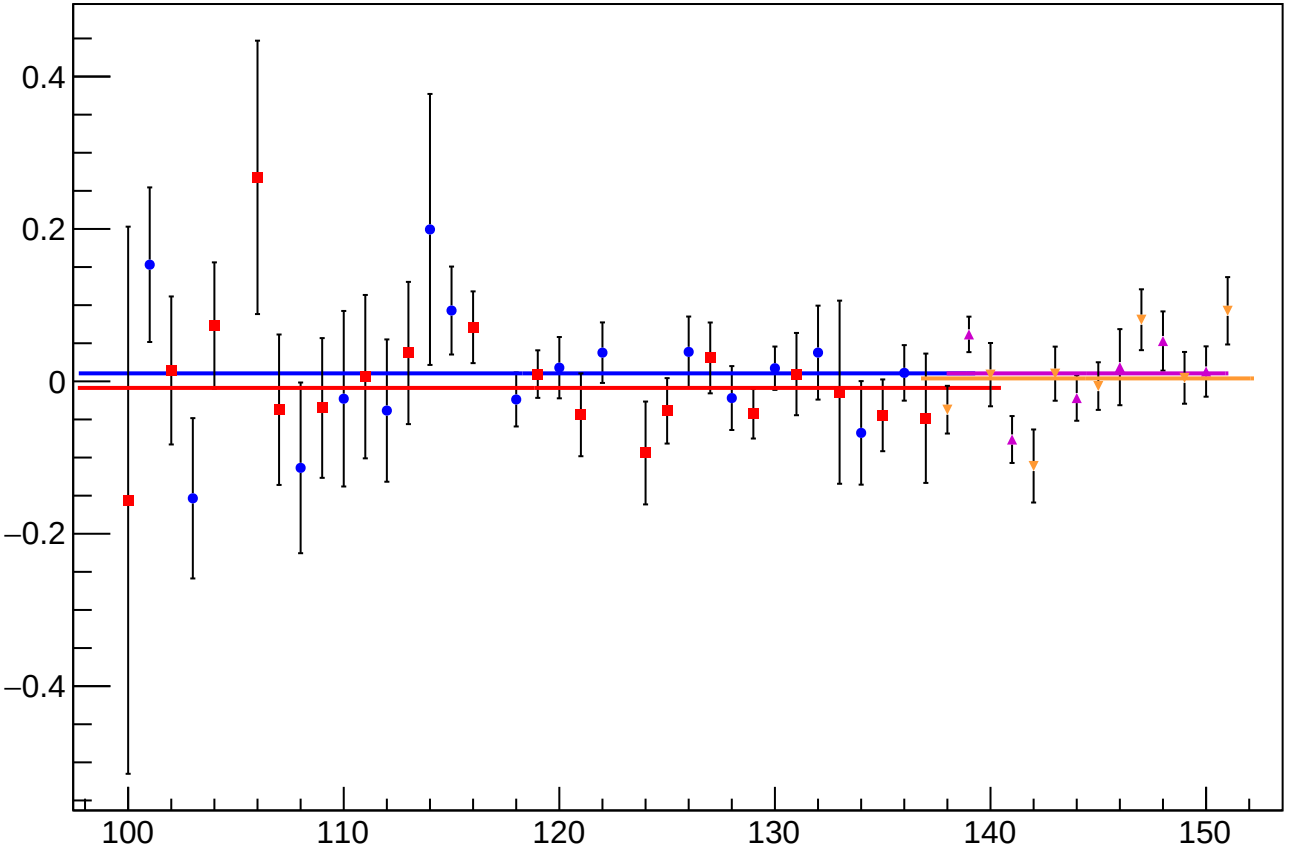
Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:4985295.1/21

Out: 0.002+/-0.000 χ^2/NDF:4354990.1/26

All: 0.002+/-0.000 χ^2/NDF: 9428560.2/48

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.004+/-0.013 χ^2/NDF:15.4/7

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.013 χ^2/NDF:15.2/5

Left: 0.007+/-0.009 χ^2/NDF: 30.7/13

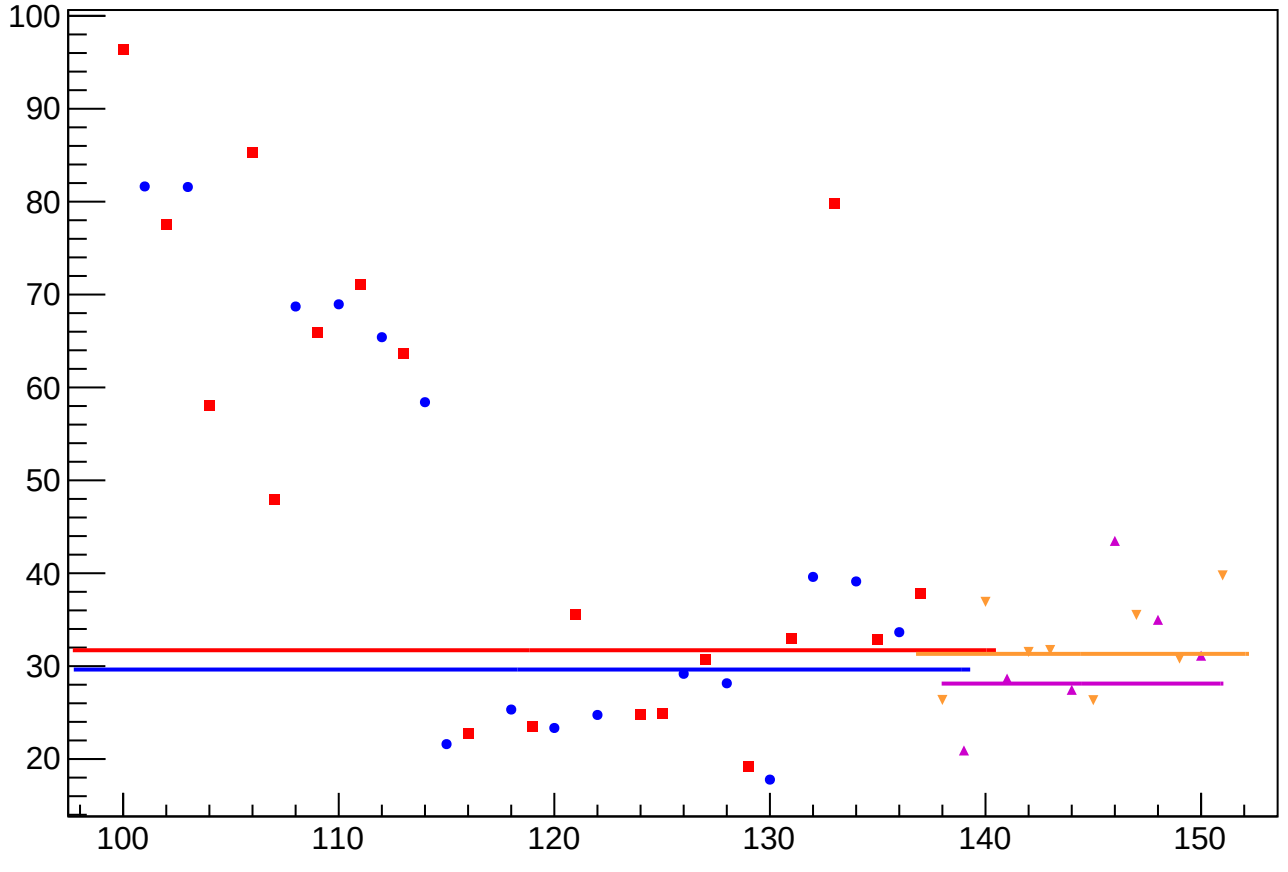
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/21

Out: -0.002+/-0.009 χ^2/NDF:28.3/26

All: 0.004+/-0.006 χ^2/NDF: 57.5/48

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.321+/-0.009 χ^2/NDF:233323.9/7

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.121+/-0.009 χ^2/NDF:461057.1/5

Left: 29.701+/-0.006 χ^2/NDF: 755087.3/13

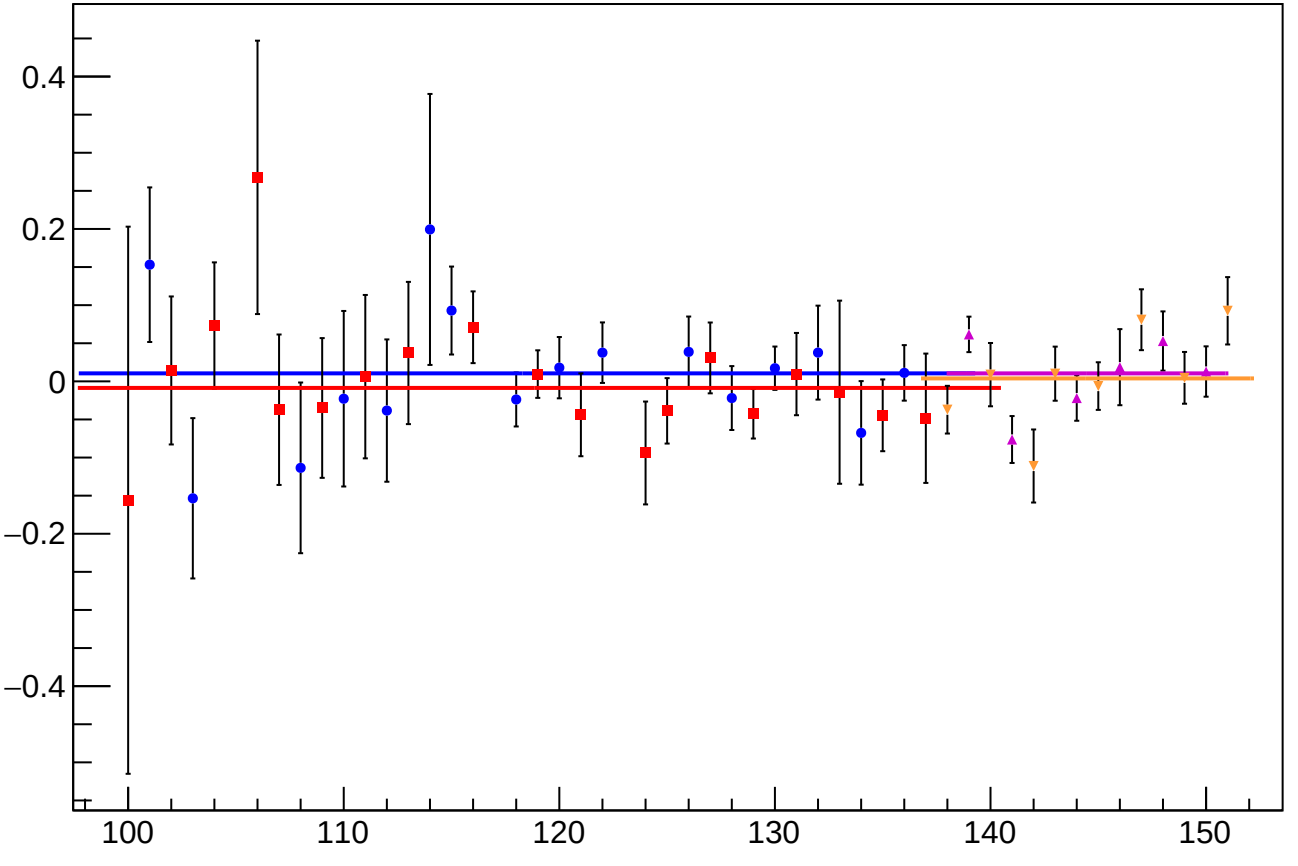
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.898+/-0.006 χ^2/NDF:2923828.2/21

Out: 31.513+/-0.007 χ^2/NDF:2885842.3/26

All: 30.163+/-0.005 χ^2/NDF: 5891346.9/48

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: 0.004+/-0.013 χ^2/NDF:15.4/7

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.010+/-0.013 χ^2/NDF:15.2/5

Left: 0.007+/-0.009 χ^2/NDF: 30.7/13

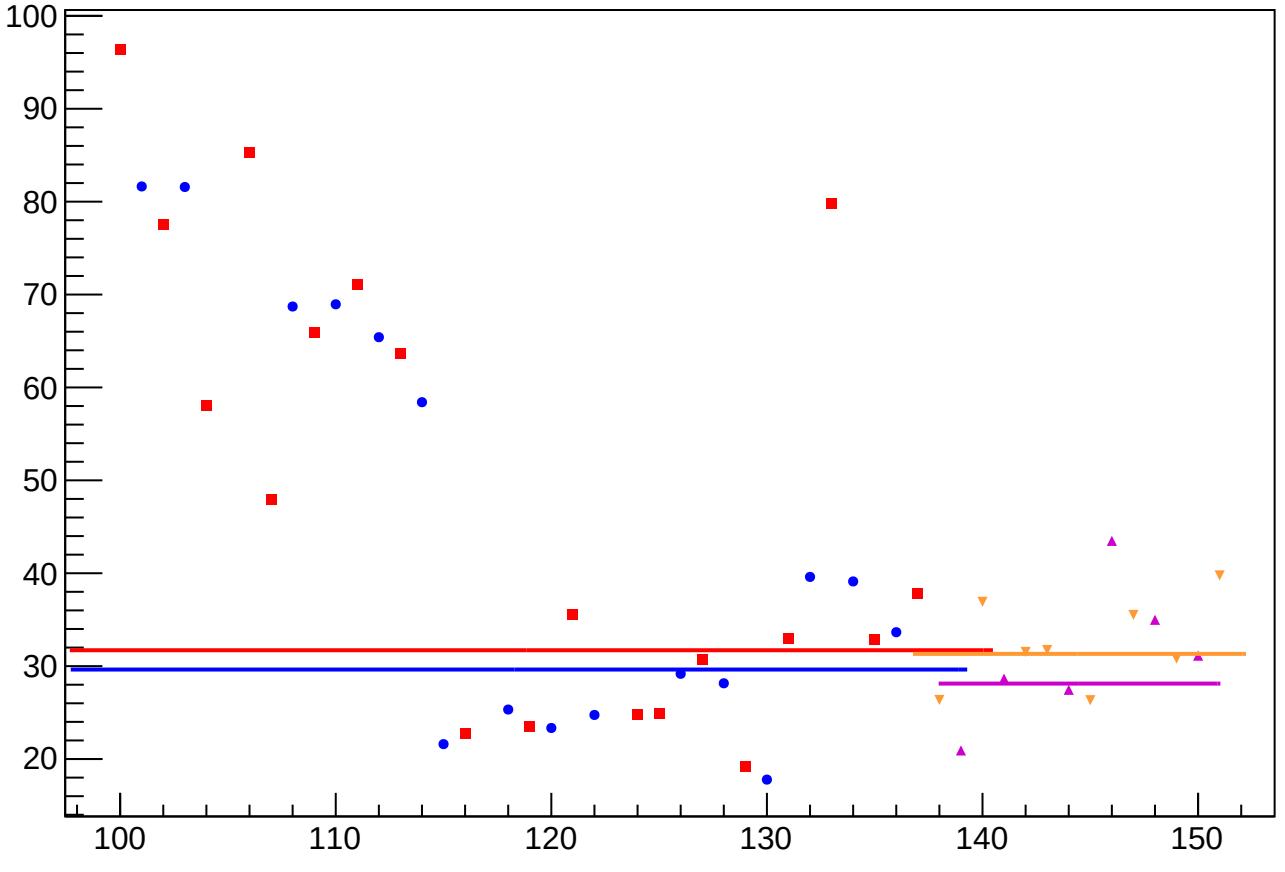
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.010+/-0.009 χ^2/NDF:28.3/21

Out: -0.002+/-0.009 χ^2/NDF:28.3/26

All: 0.004+/-0.006 χ^2/NDF: 57.5/48

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.321+/-0.009 χ^2/NDF:233323.9/7

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.121+/-0.009 χ^2/NDF:461057.1/5

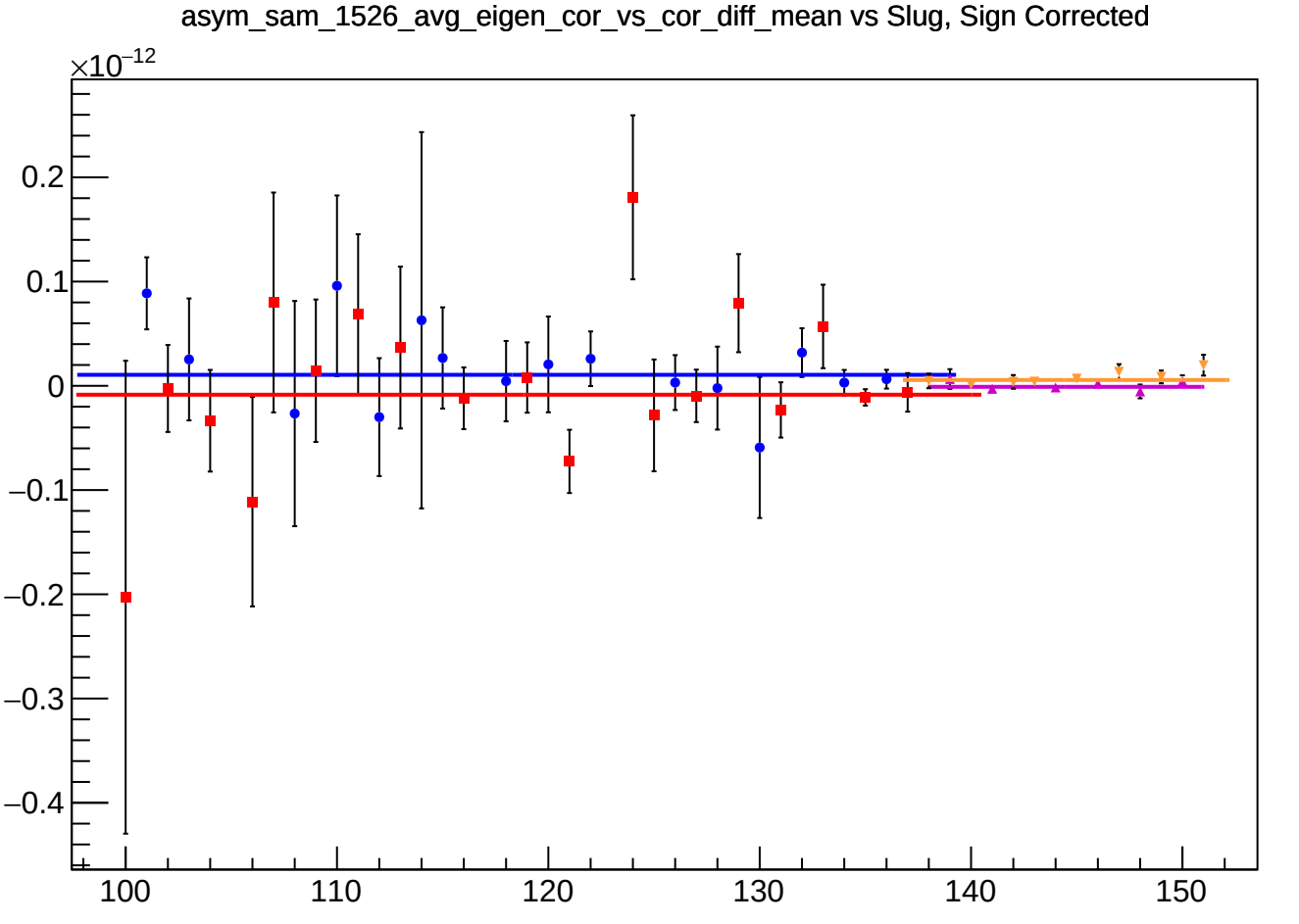
Left: 29.701+/-0.006 χ^2/NDF: 755087.3/13

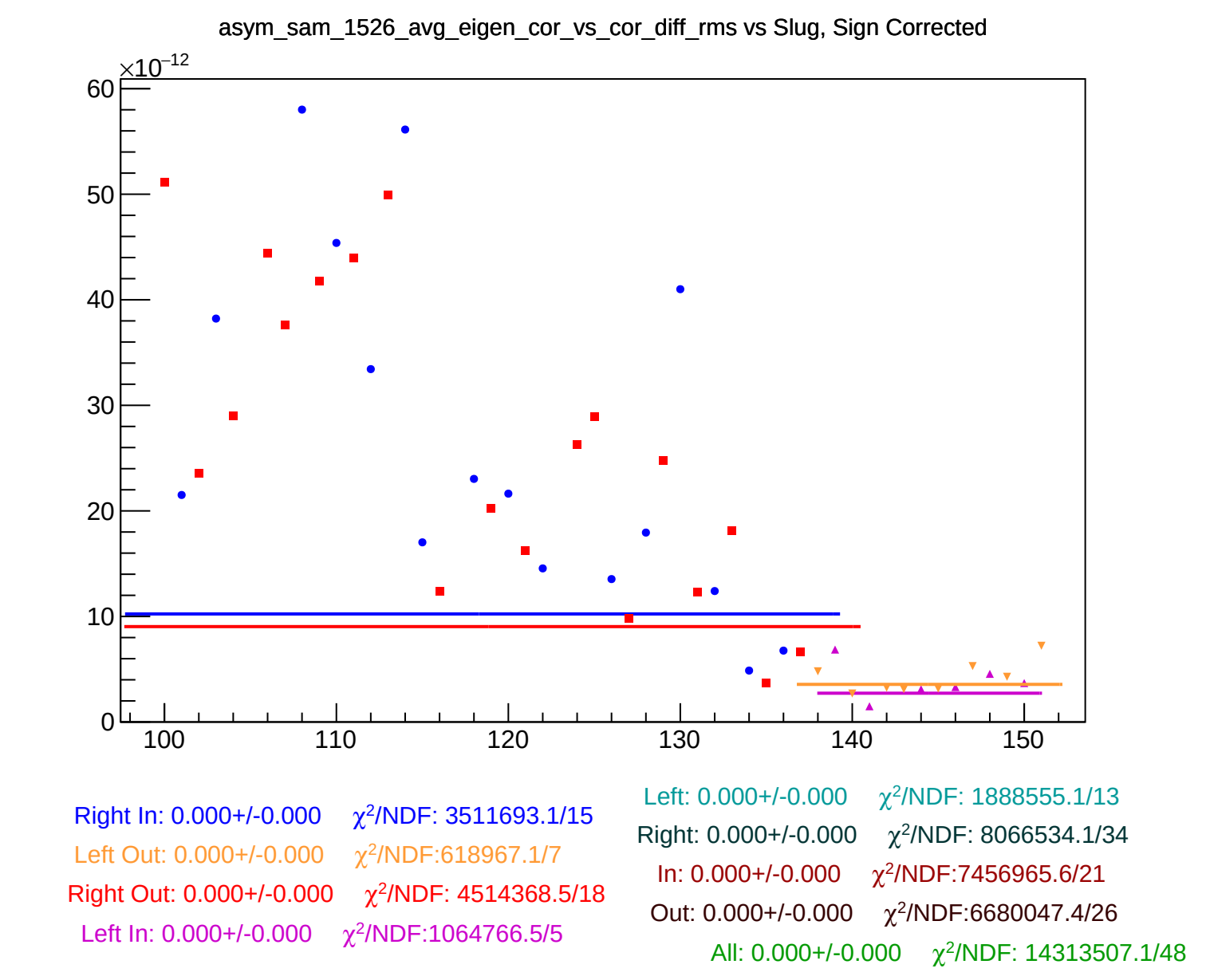
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

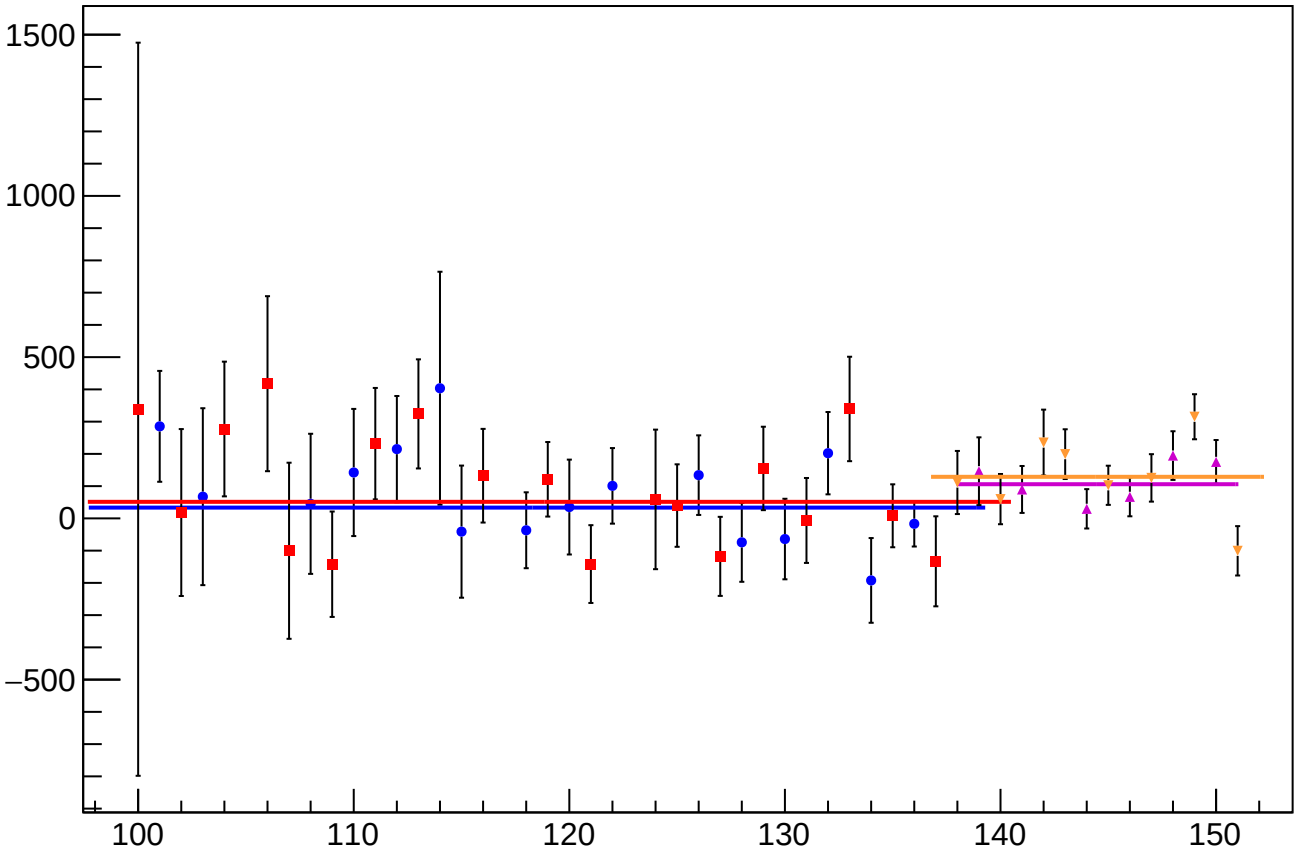
In: 28.898+/-0.006 χ^2/NDF:2923828.2/21

Out: 31.513+/-0.007 χ^2/NDF:2885842.3/26

All: 30.163+/-0.005 χ^2/NDF: 5891346.9/48


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:3.0/5
Left: 0.000+/-0.000 χ²/NDF: 14.2/13
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: -0.000+/-0.000 χ²/NDF:16.4/21
Out: 0.000+/-0.000 χ²/NDF:31.5/26
All: 0.000+/-0.000 χ²/NDF: 50.9/48


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:618967.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1064766.5/5
Left: 0.000+/-0.000 χ²/NDF: 1888555.1/13
Right: 0.000+/-0.000 χ²/NDF: 8066534.1/34
In: 0.000+/-0.000 χ²/NDF:7456965.6/21
Out: 0.000+/-0.000 χ²/NDF:6680047.4/26
All: 0.000+/-0.000 χ²/NDF: 14313507.1/48



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 128.912+/-27.068 χ^2/NDF:19.0/7

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 105.969+/-28.680 χ^2/NDF:4.6/5

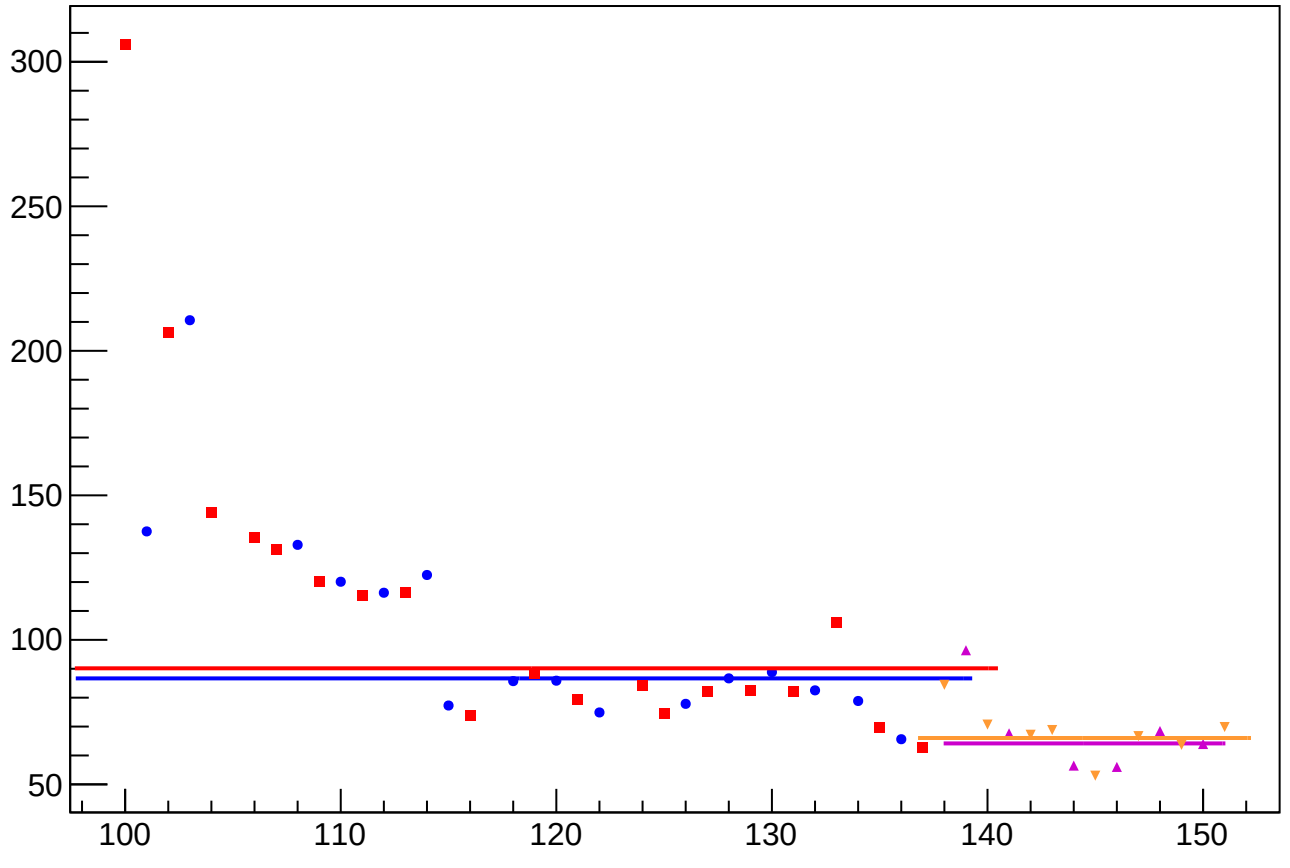
Left: 118.103+/-19.685 χ^2/NDF: 24.0/13

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 75.688+/-21.890 χ^2/NDF:20.1/21

Out: 99.722+/-21.378 χ^2/NDF:41.7/26

All: 87.990+/-15.294 χ^2/NDF: 62.4/48



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 66.045+/-0.019 χ^2/NDF:180177.6/7

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.169+/-0.020 χ^2/NDF:267211.3/5

Left: 65.161+/-0.014 χ^2/NDF: 451912.6/13

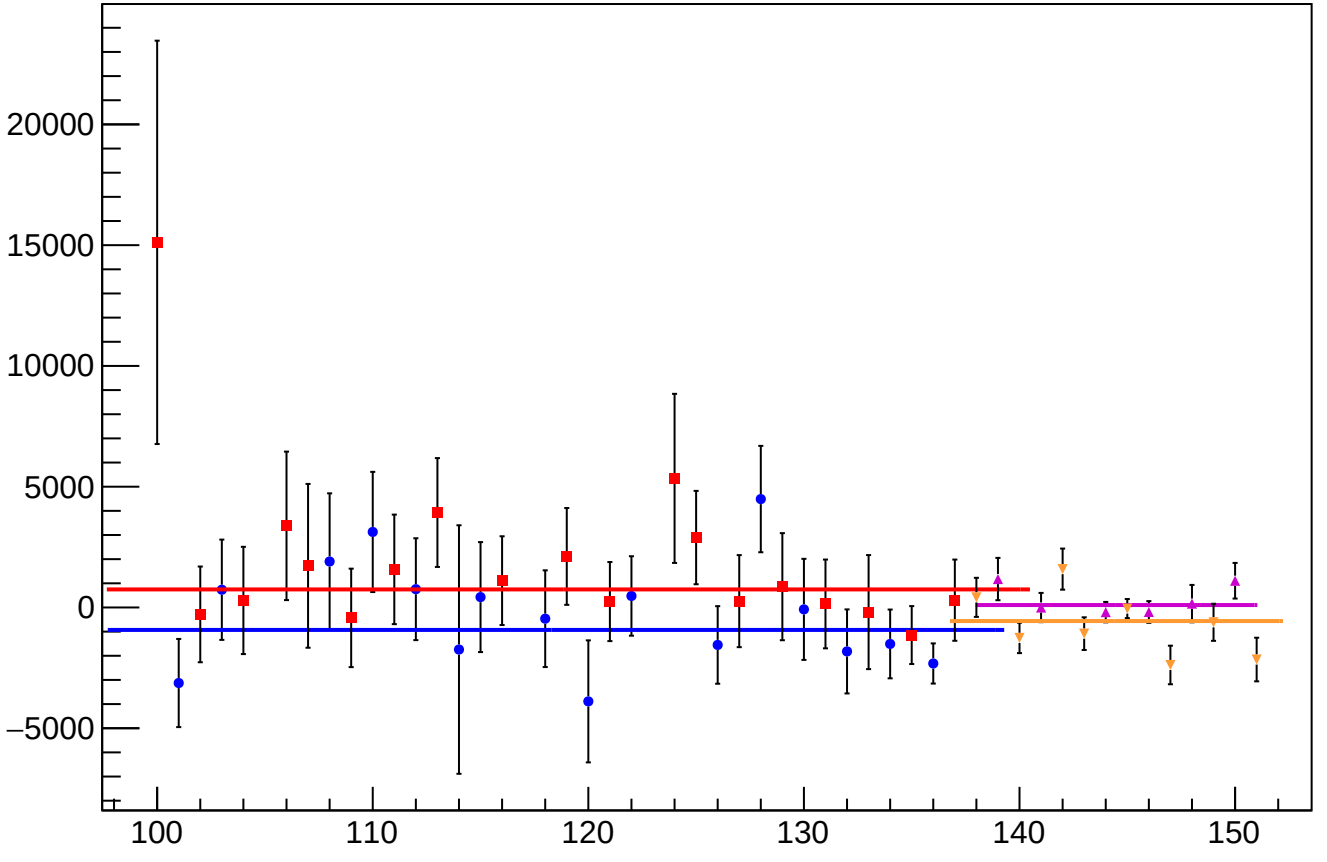
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 73.560+/-0.015 χ^2/NDF:1819728.5/21

Out: 75.116+/-0.015 χ^2/NDF:1927096.7/26

All: 74.357+/-0.011 χ^2/NDF: 3751992.9/48

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: -562.547+/-232.320 χ^2/NDF:19.7/7

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 100.380+/-235.079 χ^2/NDF:4.3/5

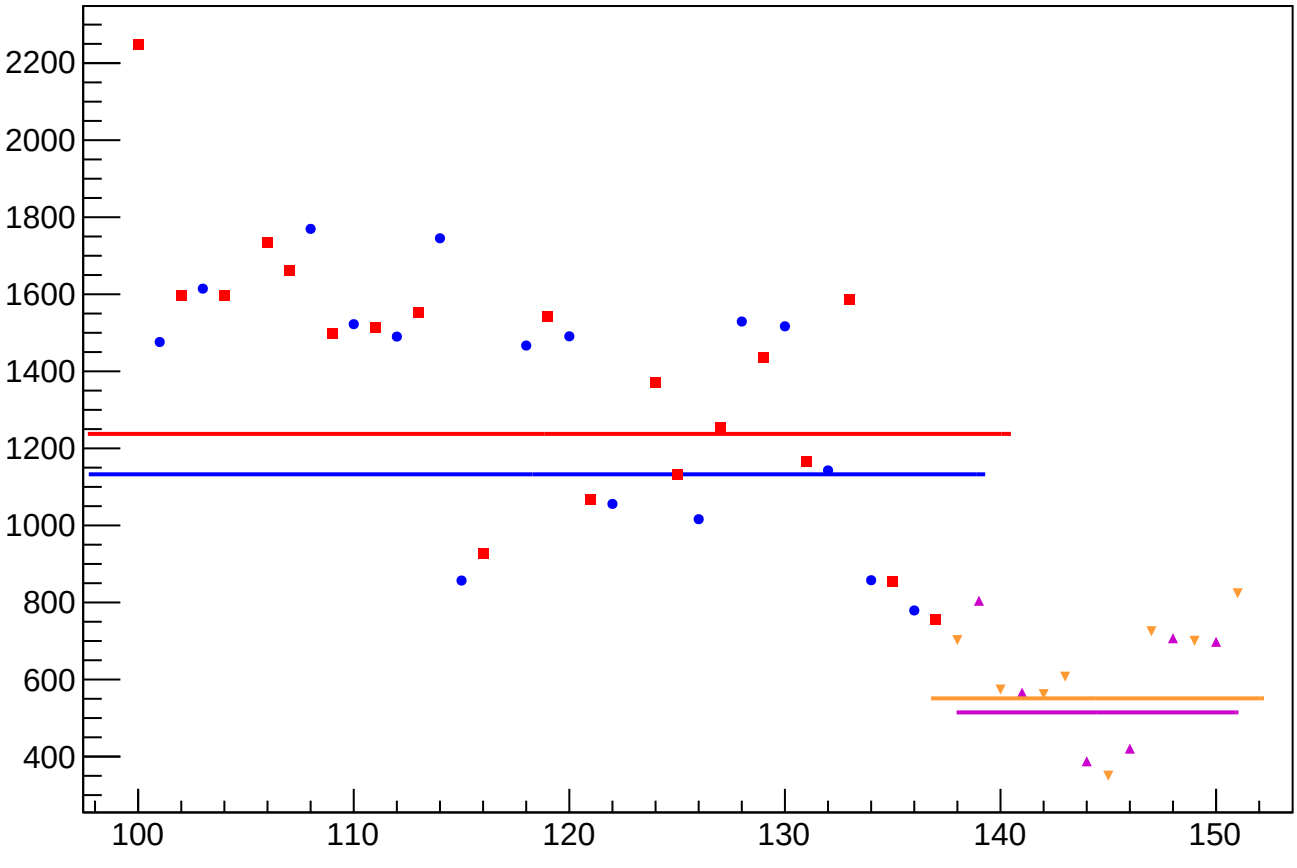
Left: -234.996+/-165.242 χ^2/NDF: 28.0/13

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -127.664+/-207.435 χ^2/NDF:27.1/21

Out: -303.517+/-208.083 χ^2/NDF:39.0/26

All: -215.317+/-146.907 χ^2/NDF: 66.4/48



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 551.096+/-0.164 χ^2/NDF:956587.6/7

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 514.678+/-0.166 χ^2/NDF:748030.6/5

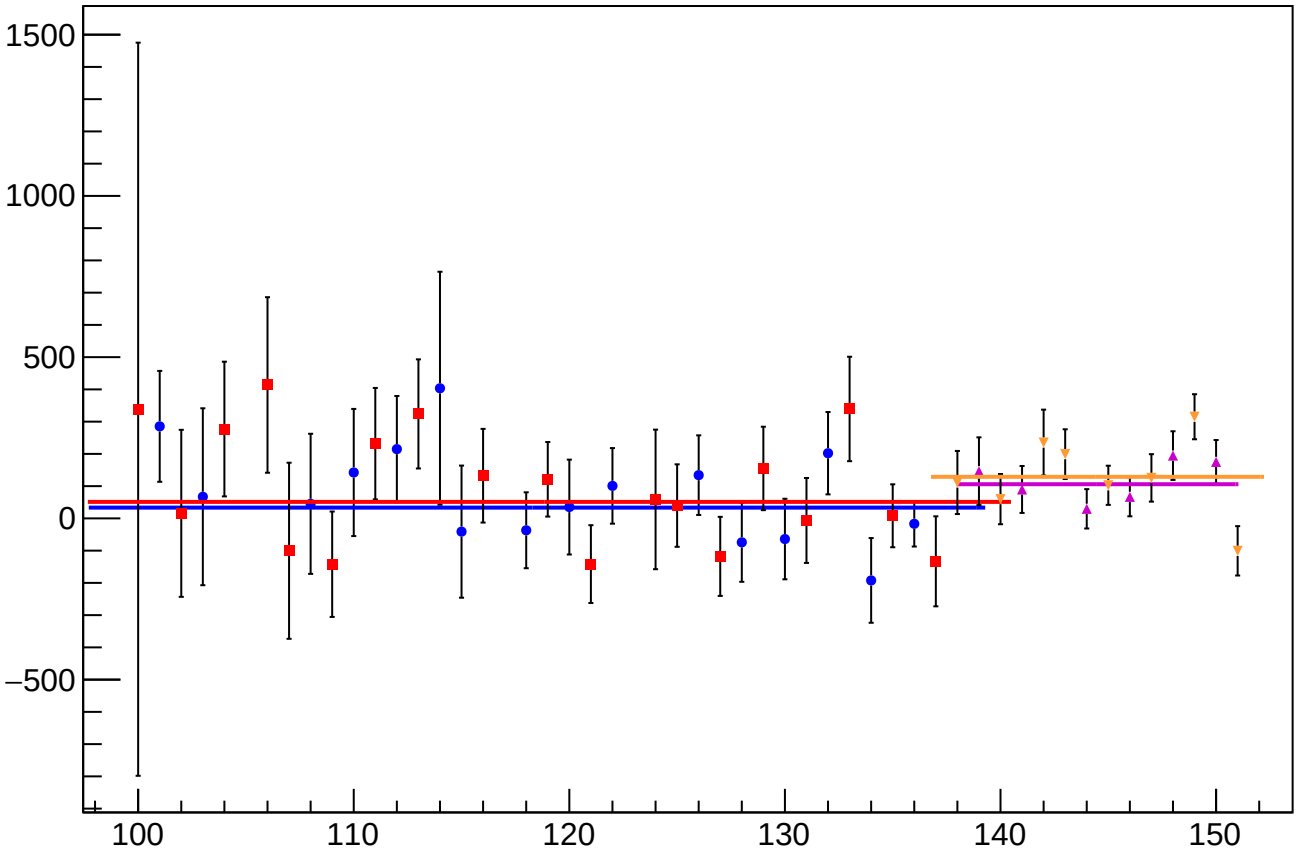
Left: 533.102+/-0.117 χ^2/NDF: 1728901.4/13

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 651.480+/-0.147 χ^2/NDF:4931970.1/21

Out: 686.865+/-0.147 χ^2/NDF:5305661.8/26

All: 669.118+/-0.104 χ^2/NDF: 10266639.6/48



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 128.917+/-27.068 χ^2/NDF:19.0/7

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 105.967+/-28.680 χ^2/NDF:4.6/5

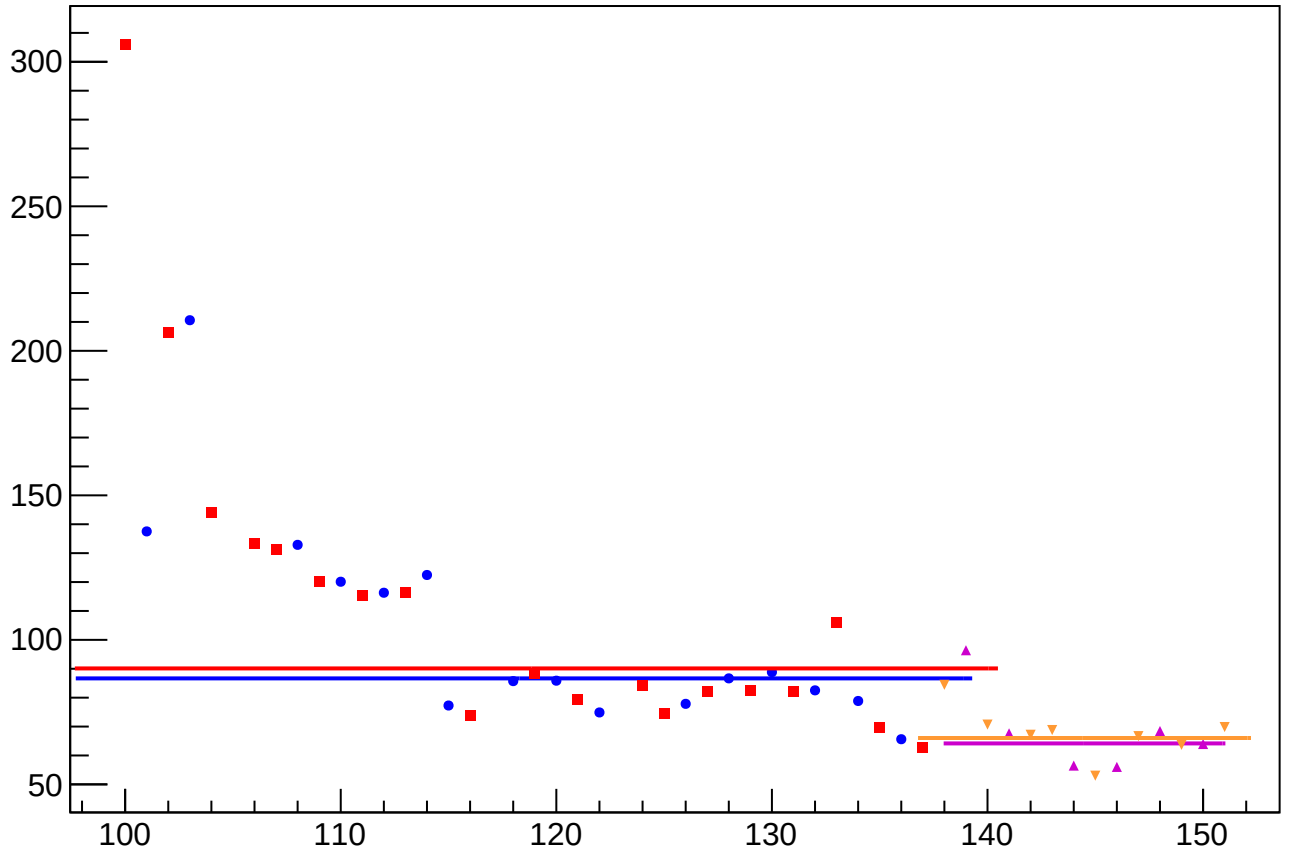
Left: 118.106+/-19.685 χ^2/NDF: 24.0/13

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 75.684+/-21.890 χ^2/NDF:20.1/21

Out: 99.673+/-21.378 χ^2/NDF:41.6/26

All: 87.962+/-15.295 χ^2/NDF: 62.3/48



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 66.045+/-0.019 χ^2/NDF:180177.7/7

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.169+/-0.020 χ^2/NDF:267211.3/5

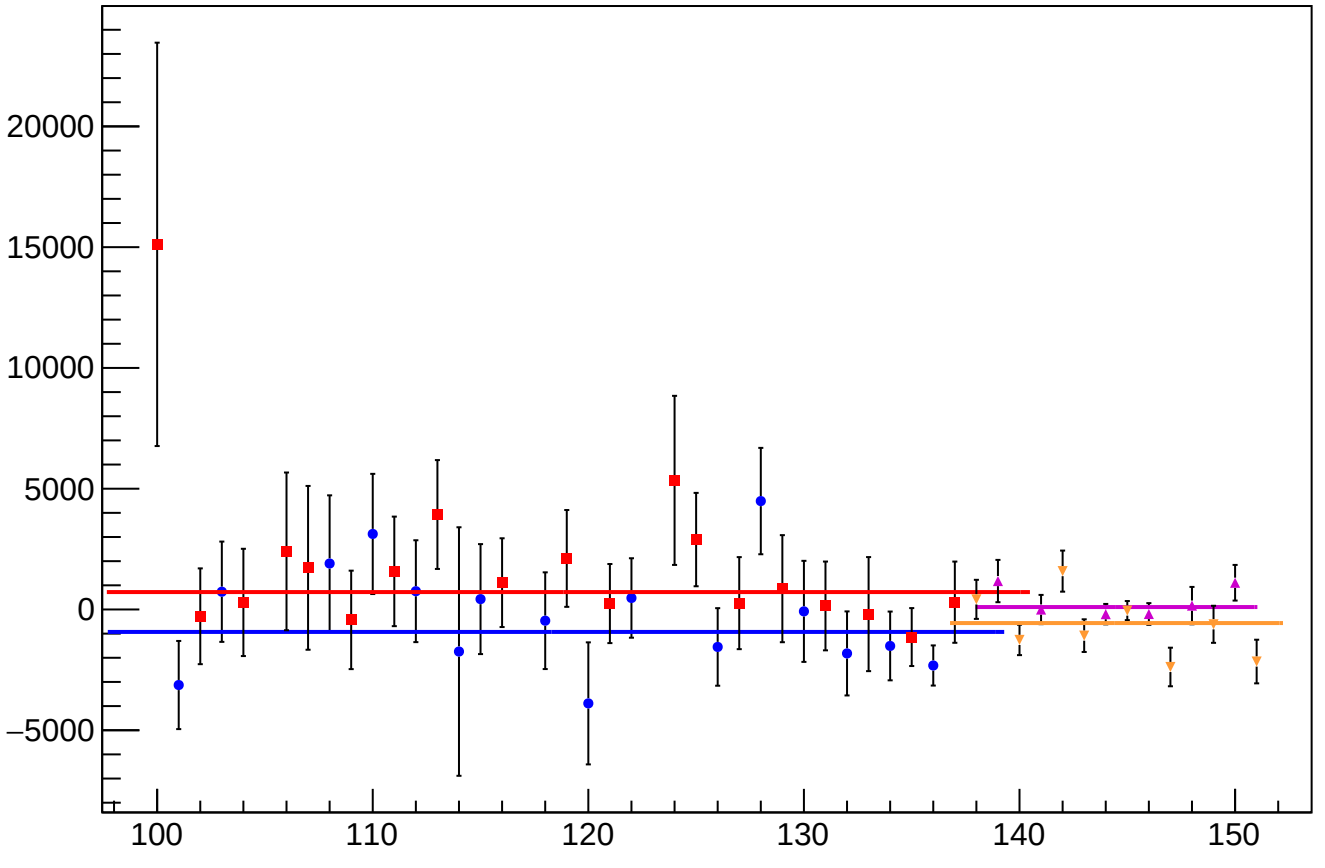
Left: 65.161+/-0.014 χ^2/NDF: 451912.6/13

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 73.560+/-0.015 χ^2/NDF:1819731.0/21

Out: 75.101+/-0.015 χ^2/NDF:1920522.7/26

All: 74.349+/-0.011 χ^2/NDF: 3745324.5/48



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -562.541+/-232.320 χ^2/NDF:19.7/7

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 100.383+/-235.079 χ^2/NDF:4.3/5

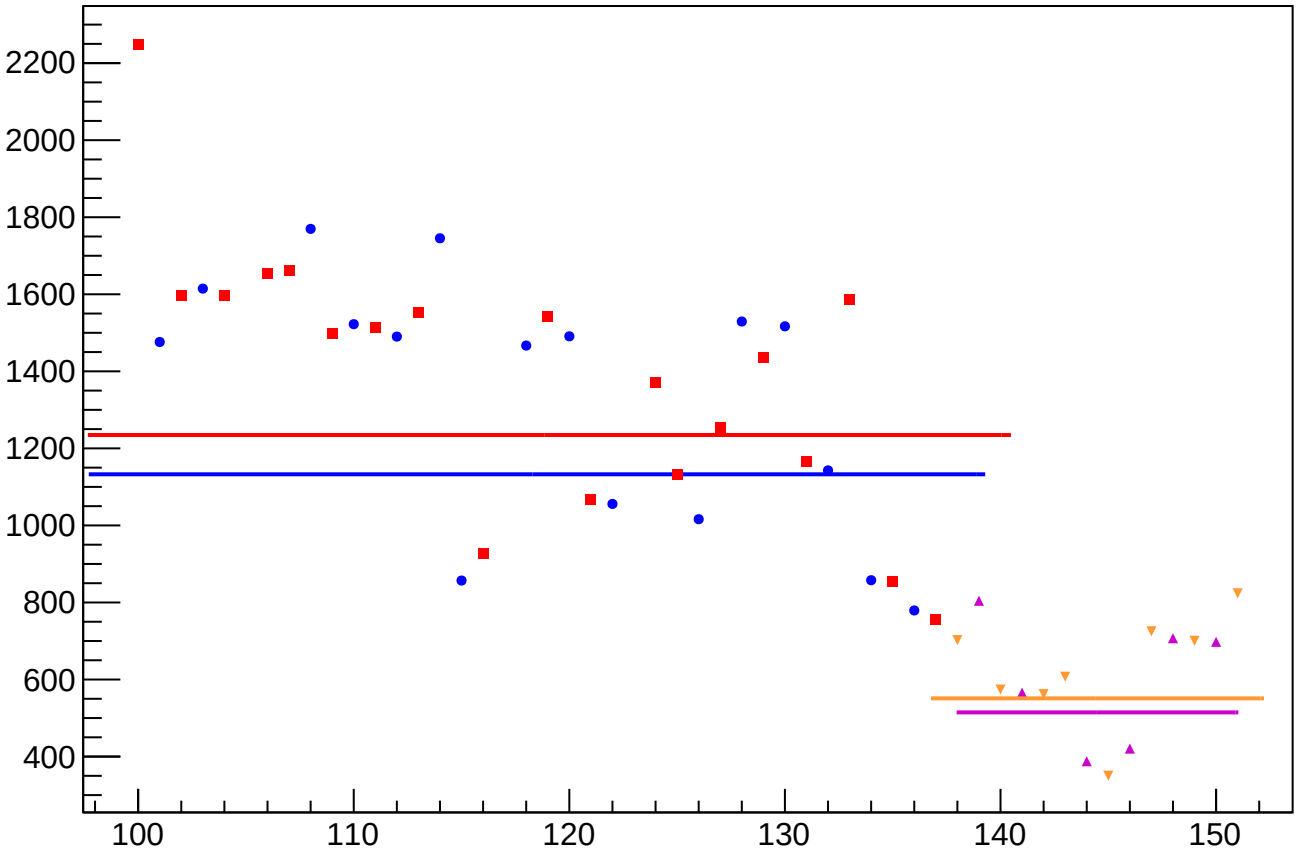
Left: -234.991+/-165.242 χ^2/NDF: 28.0/13

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -127.654+/-207.435 χ^2/NDF:27.1/21

Out: -309.327+/-208.139 χ^2/NDF:38.2/26

All: -218.183+/-146.927 χ^2/NDF: 65.7/48



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 551.096+/-0.164 χ^2/NDF:956589.3/7

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 514.678+/-0.166 χ^2/NDF:748032.0/5

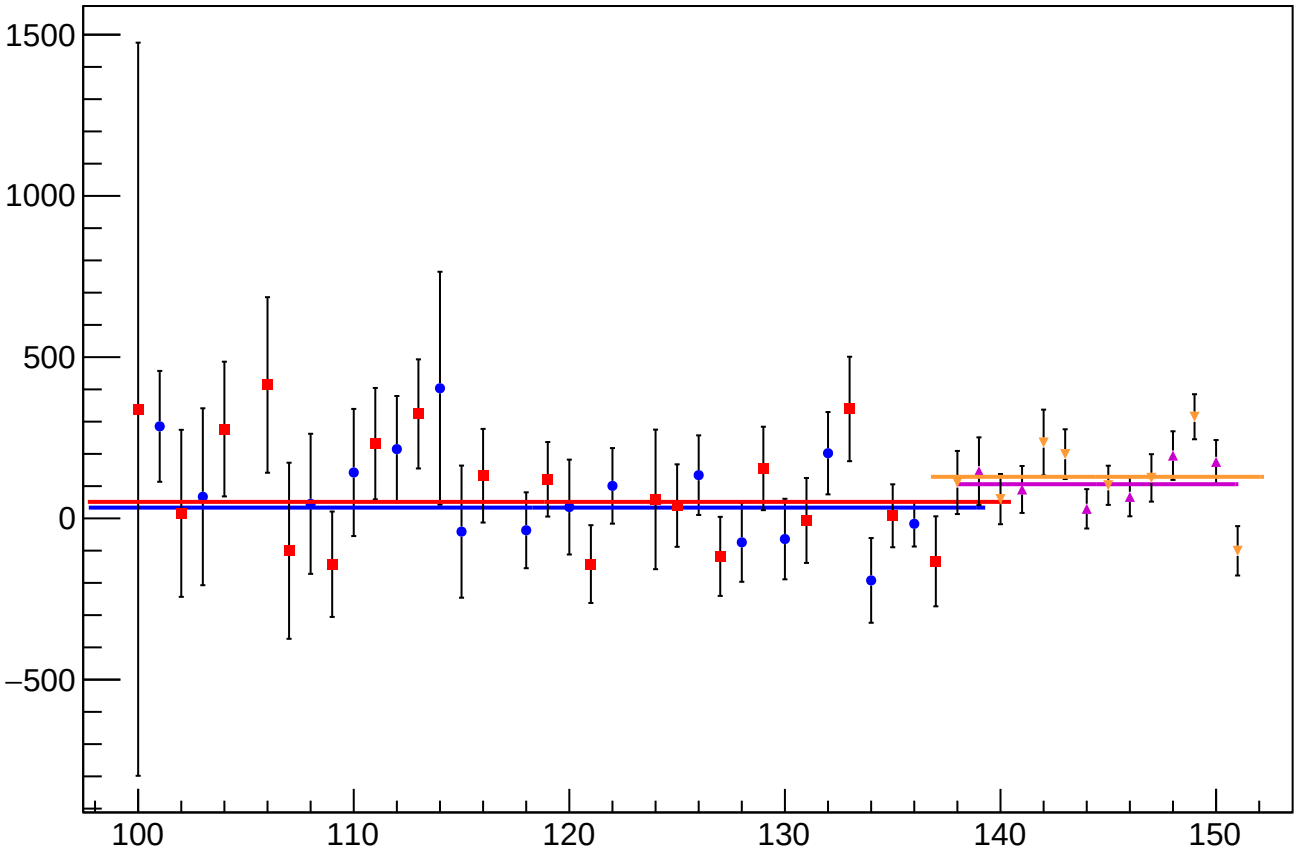
Left: 533.102+/-0.117 χ^2/NDF: 1728904.0/13

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 651.480+/-0.147 χ^2/NDF:4932007.2/21

Out: 686.000+/-0.147 χ^2/NDF:5250208.8/26

All: 668.681+/-0.104 χ^2/NDF: 10209814.8/48



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 128.917+/-27.068 χ^2/NDF:19.0/7

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 105.967+/-28.680 χ^2/NDF:4.6/5

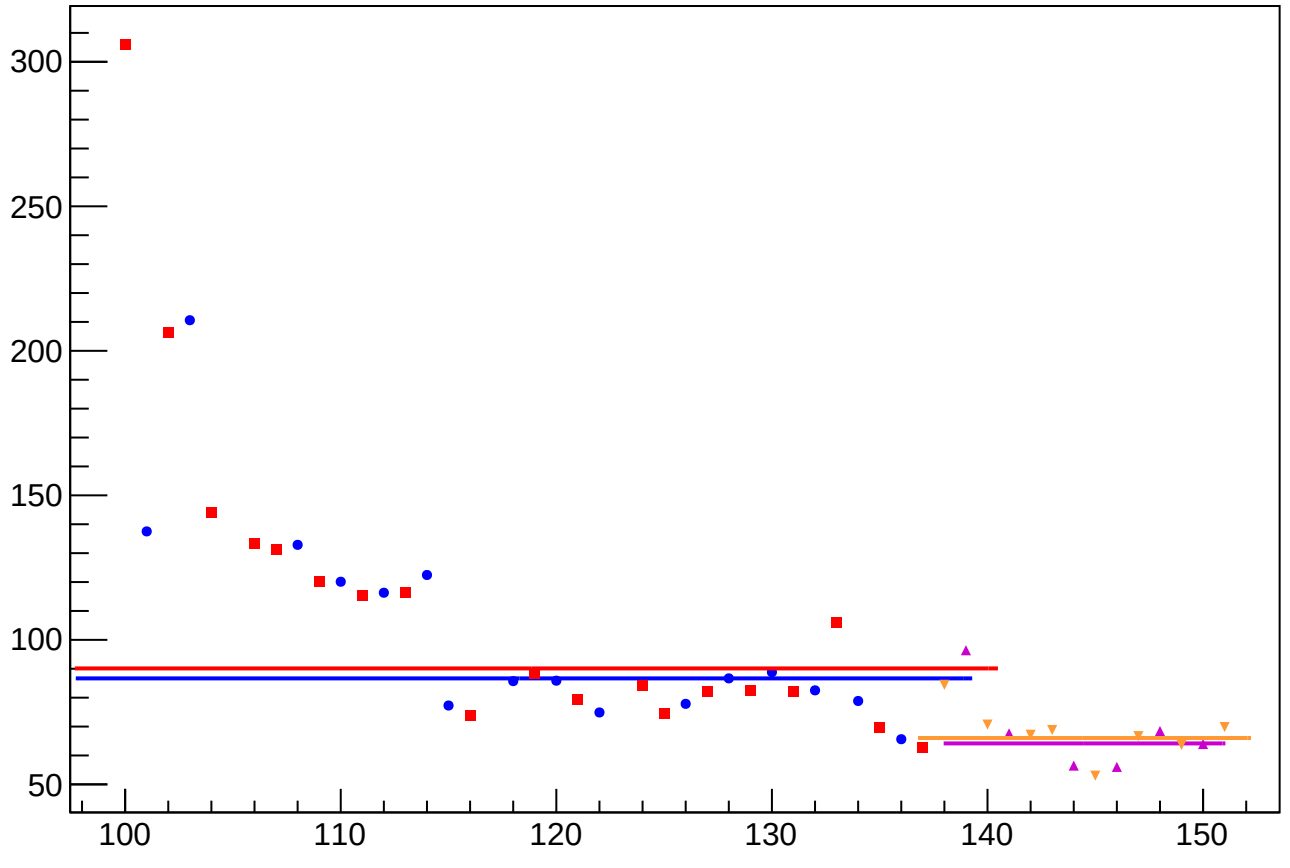
Left: 118.106+/-19.685 χ^2/NDF: 24.0/13

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 75.684+/-21.890 χ^2/NDF:20.1/21

Out: 99.673+/-21.378 χ^2/NDF:41.6/26

All: 87.962+/-15.295 χ^2/NDF: 62.3/48



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 66.045+/-0.019 χ^2/NDF:180177.7/7

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.169+/-0.020 χ^2/NDF:267211.3/5

Left: 65.161+/-0.014 χ^2/NDF: 451912.6/13

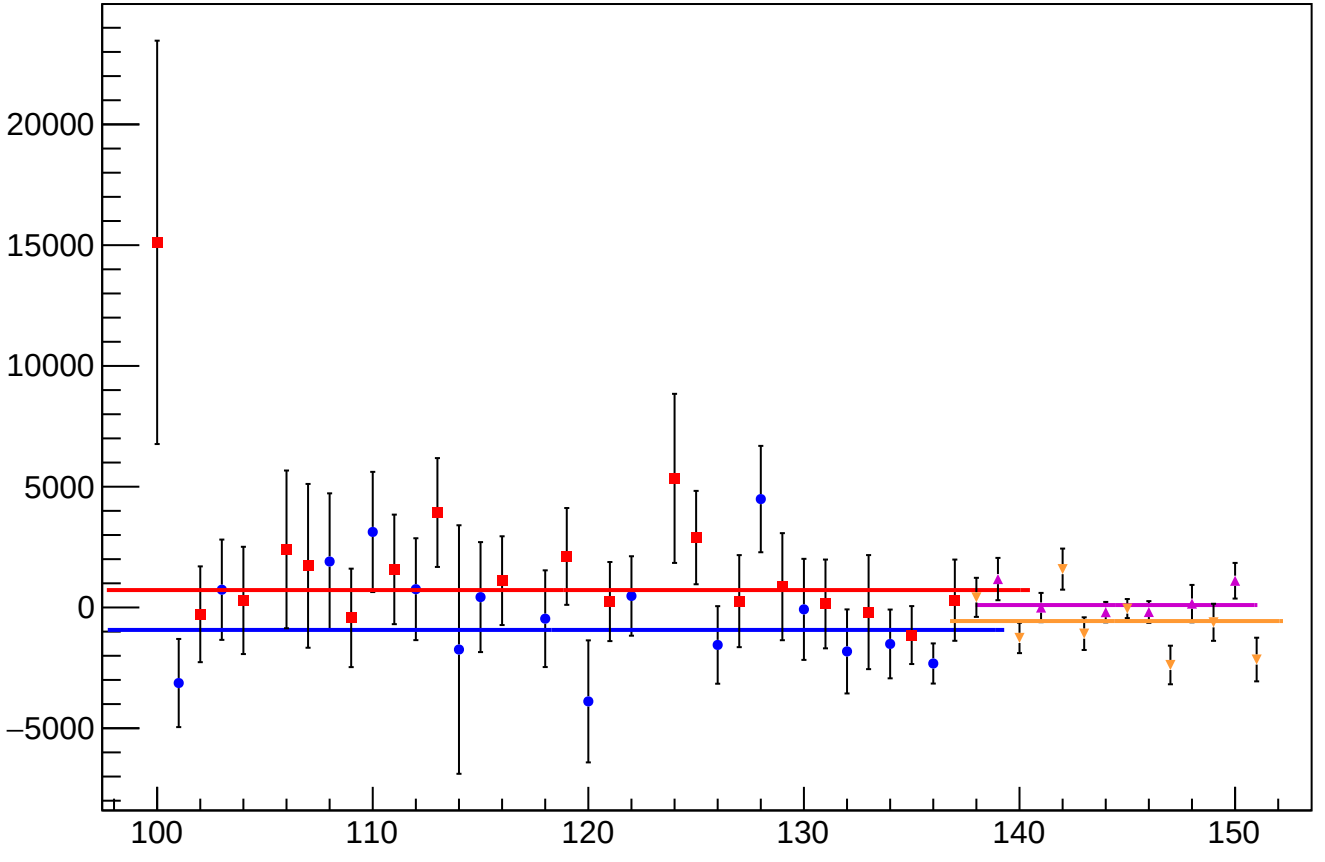
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 73.560+/-0.015 χ^2/NDF:1819731.0/21

Out: 75.101+/-0.015 χ^2/NDF:1920522.7/26

All: 74.349+/-0.011 χ^2/NDF: 3745324.5/48

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: -562.541+/-232.320 χ^2/NDF:19.7/7

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 100.383+/-235.079 χ^2/NDF:4.3/5

Left: -234.991+/-165.242 χ^2/NDF: 28.0/13

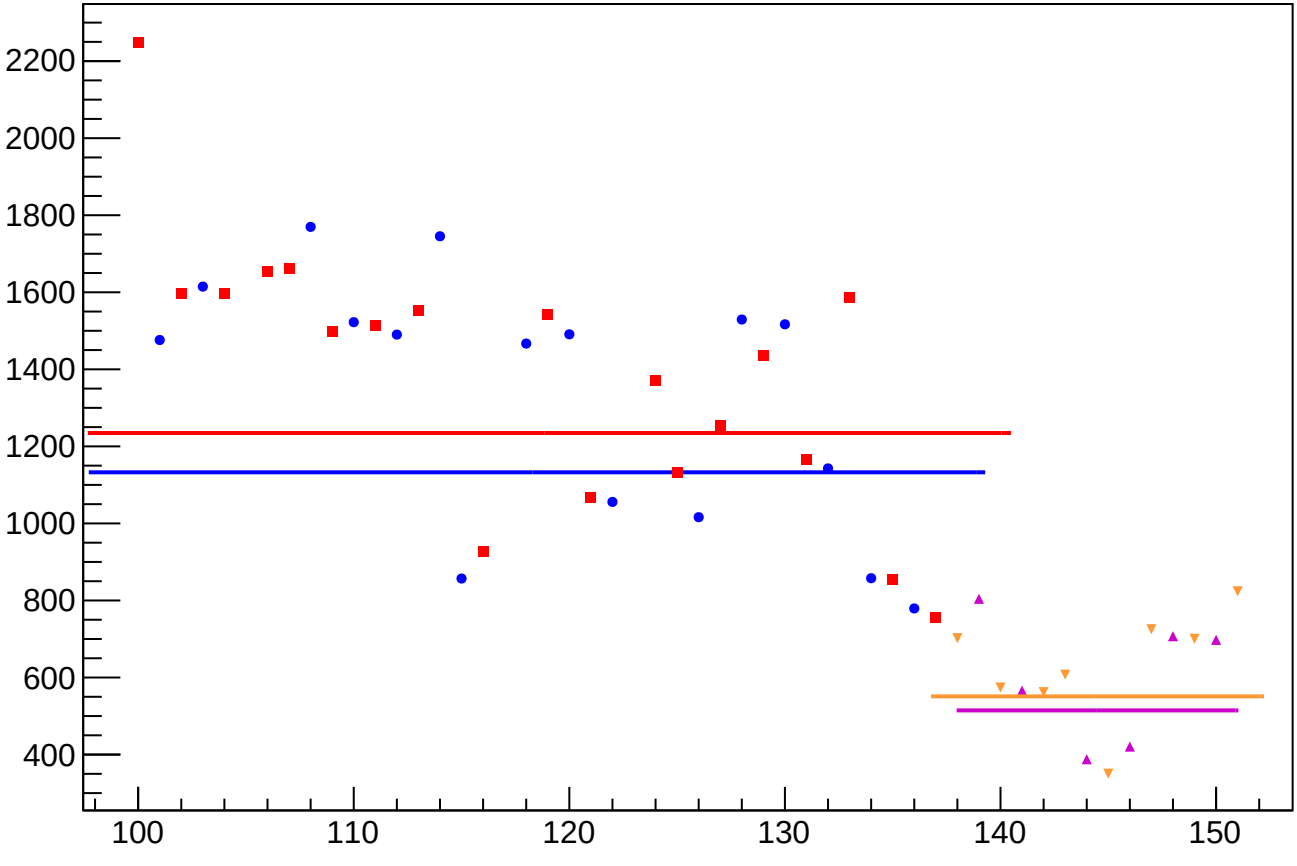
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -127.654+/-207.435 χ^2/NDF:27.1/21

Out: -309.327+/-208.139 χ^2/NDF:38.2/26

All: -218.183+/-146.927 χ^2/NDF: 65.7/48

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: 551.096+/-0.164 χ^2/NDF:956589.3/7

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 514.678+/-0.166 χ^2/NDF:748032.0/5

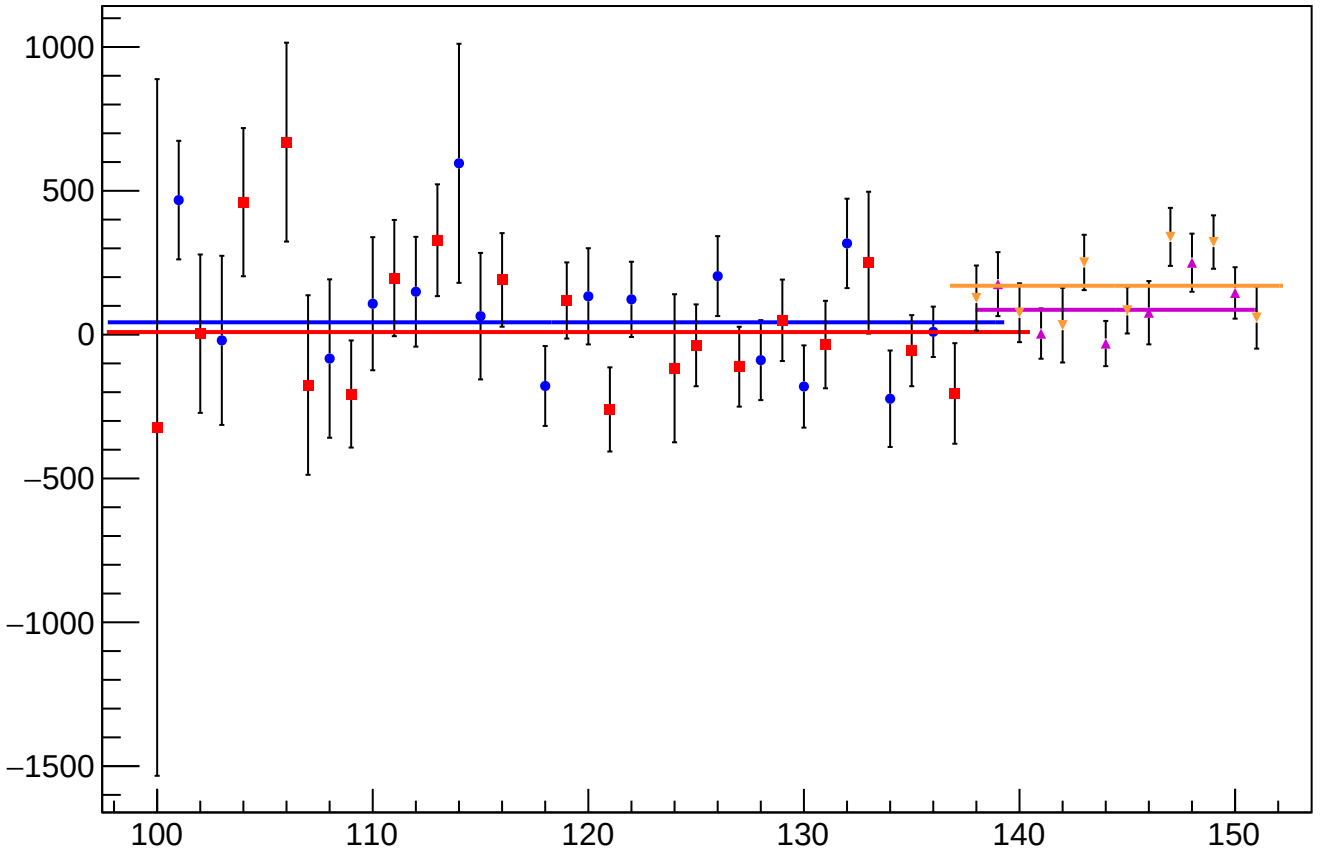
Left: 533.102+/-0.117 χ^2/NDF: 1728904.0/13

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 651.480+/-0.147 χ^2/NDF:4932007.2/21

Out: 686.000+/-0.147 χ^2/NDF:5250208.8/26

All: 668.681+/-0.104 χ^2/NDF: 10209814.8/48



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.989+/-35.446 χ^2/NDF:10.5/7

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 86.357+/-38.367 χ^2/NDF:6.8/5

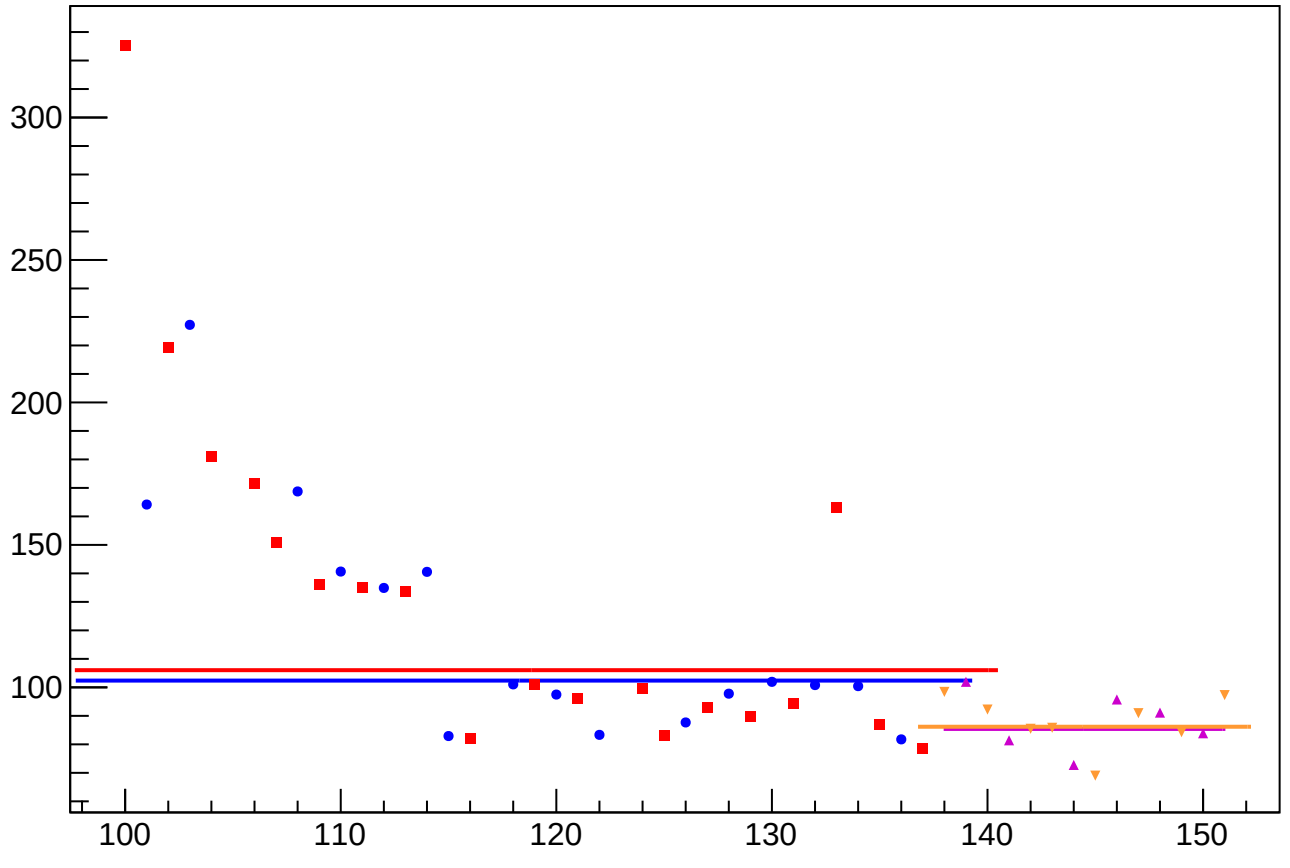
Left: 131.477+/-26.036 χ^2/NDF: 19.9/13

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 65.512+/-27.672 χ^2/NDF:27.8/21

Out: 101.239+/-26.831 χ^2/NDF:40.6/26

All: 83.926+/-19.263 χ^2/NDF: 69.3/48



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 86.181+/-0.025 χ^2/NDF:147859.4/7

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 85.410+/-0.027 χ^2/NDF:124770.8/5

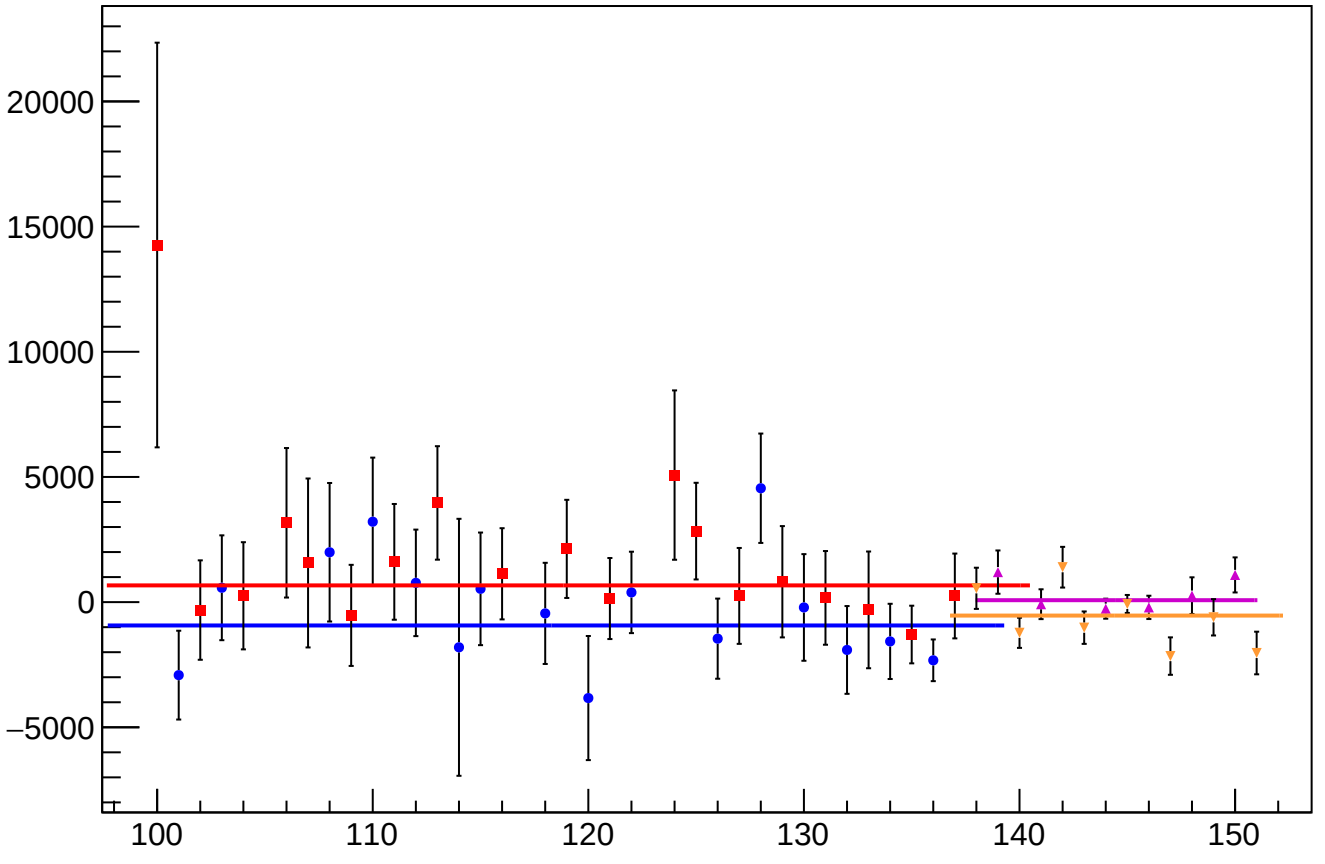
Left: 85.826+/-0.018 χ^2/NDF: 273065.9/13

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 93.552+/-0.020 χ^2/NDF:1294784.8/21

Out: 94.658+/-0.019 χ^2/NDF:1607020.2/26

All: 94.122+/-0.014 χ^2/NDF: 2903451.9/48



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -537.112+/-218.510 χ^2/NDF:18.7/7

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 77.231+/-229.799 χ^2/NDF:5.0/5

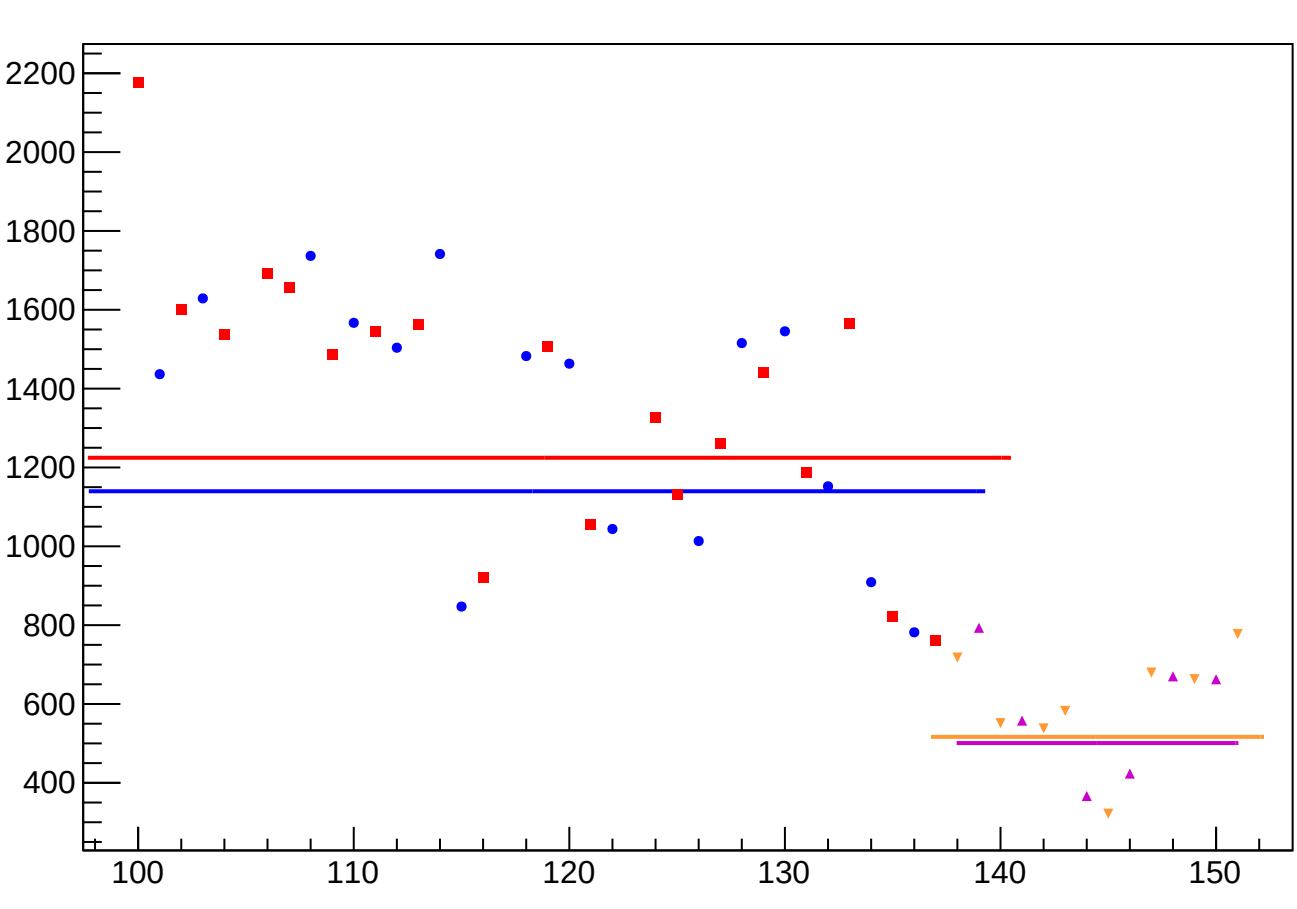
Left: -245.402+/-158.350 χ^2/NDF: 27.5/13

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -137.048+/-203.960 χ^2/NDF:27.6/21

Out: -317.661+/-197.625 χ^2/NDF:37.7/26

All: -230.203+/-141.929 χ^2/NDF: 65.7/48



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 516.619+/-0.155 χ^2/NDF:1101858.9/7

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 500.936+/-0.162 χ^2/NDF:742001.3/5

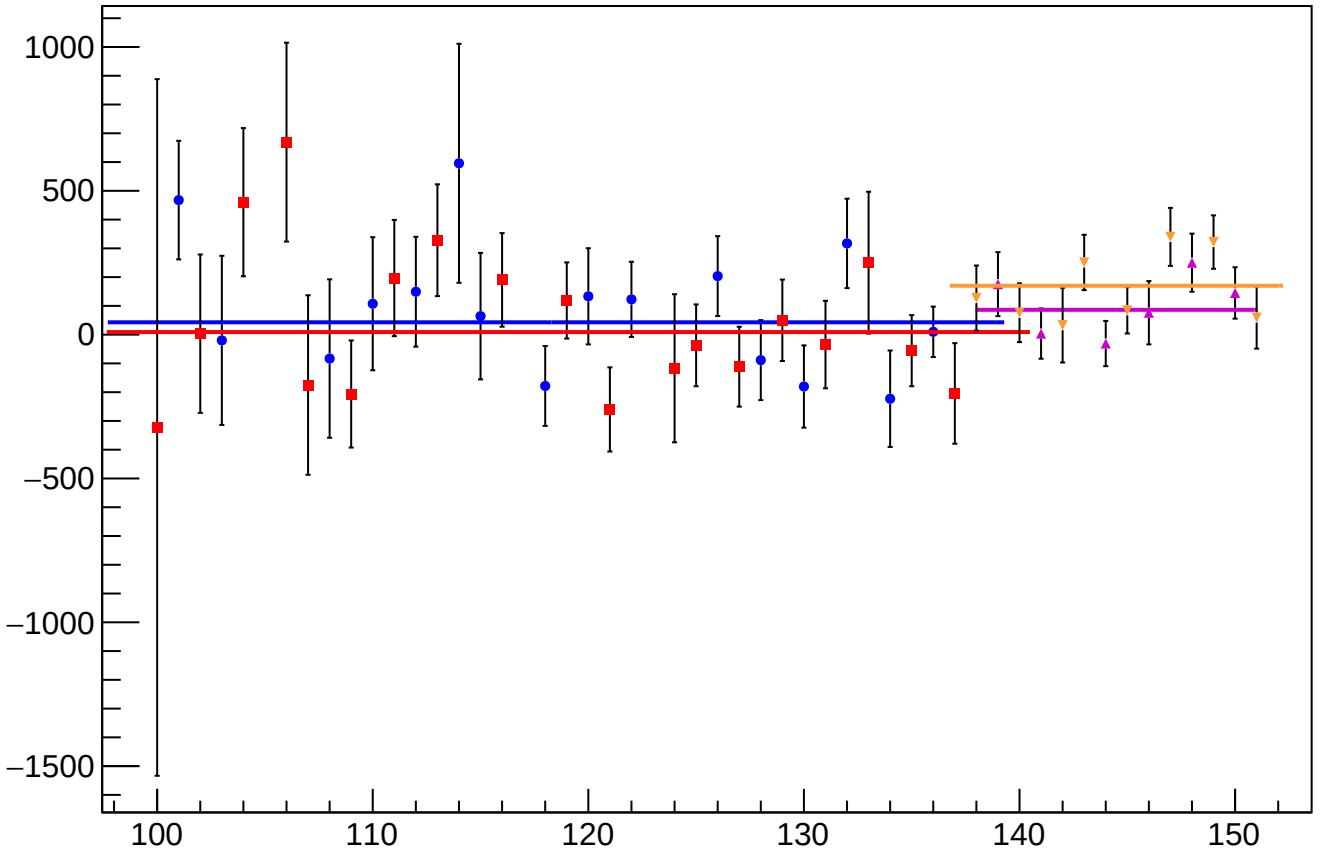
Left: 509.172+/-0.112 χ^2/NDF: 1848752.5/13

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 636.497+/-0.144 χ^2/NDF:5114709.5/21

Out: 645.494+/-0.140 χ^2/NDF:5846322.0/26

All: 641.137+/-0.100 χ^2/NDF: 10963038.4/48



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.988+/-35.446 χ^2/NDF:10.5/7

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 86.357+/-38.367 χ^2/NDF:6.8/5

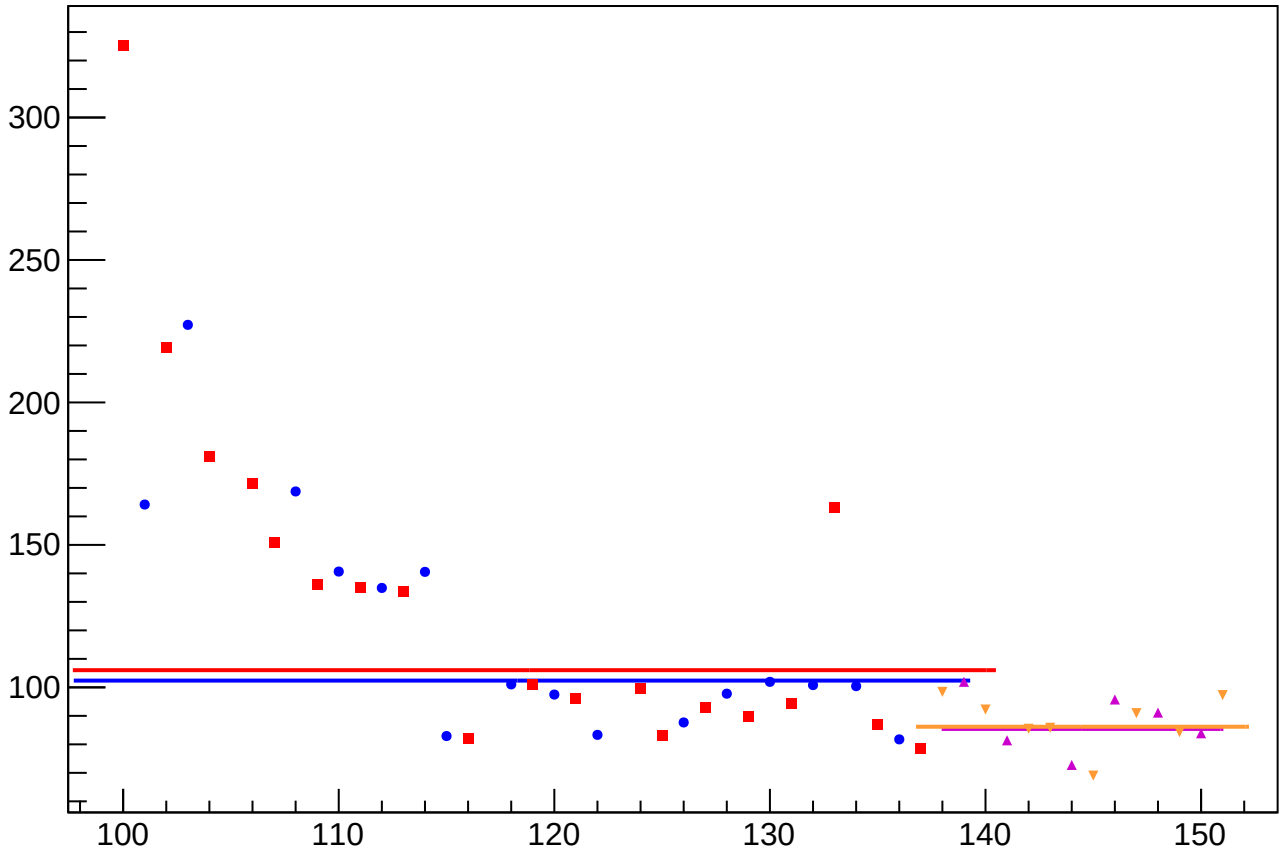
Left: 131.477+/-26.036 χ^2/NDF: 19.9/13

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 65.512+/-27.672 χ^2/NDF:27.8/21

Out: 101.237+/-26.831 χ^2/NDF:40.6/26

All: 83.925+/-19.263 χ^2/NDF: 69.3/48



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 86.182+/-0.025 χ^2/NDF:147851.0/7

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 85.411+/-0.027 χ^2/NDF:124768.3/5

Left: 85.827+/-0.018 χ^2/NDF: 273055.0/13

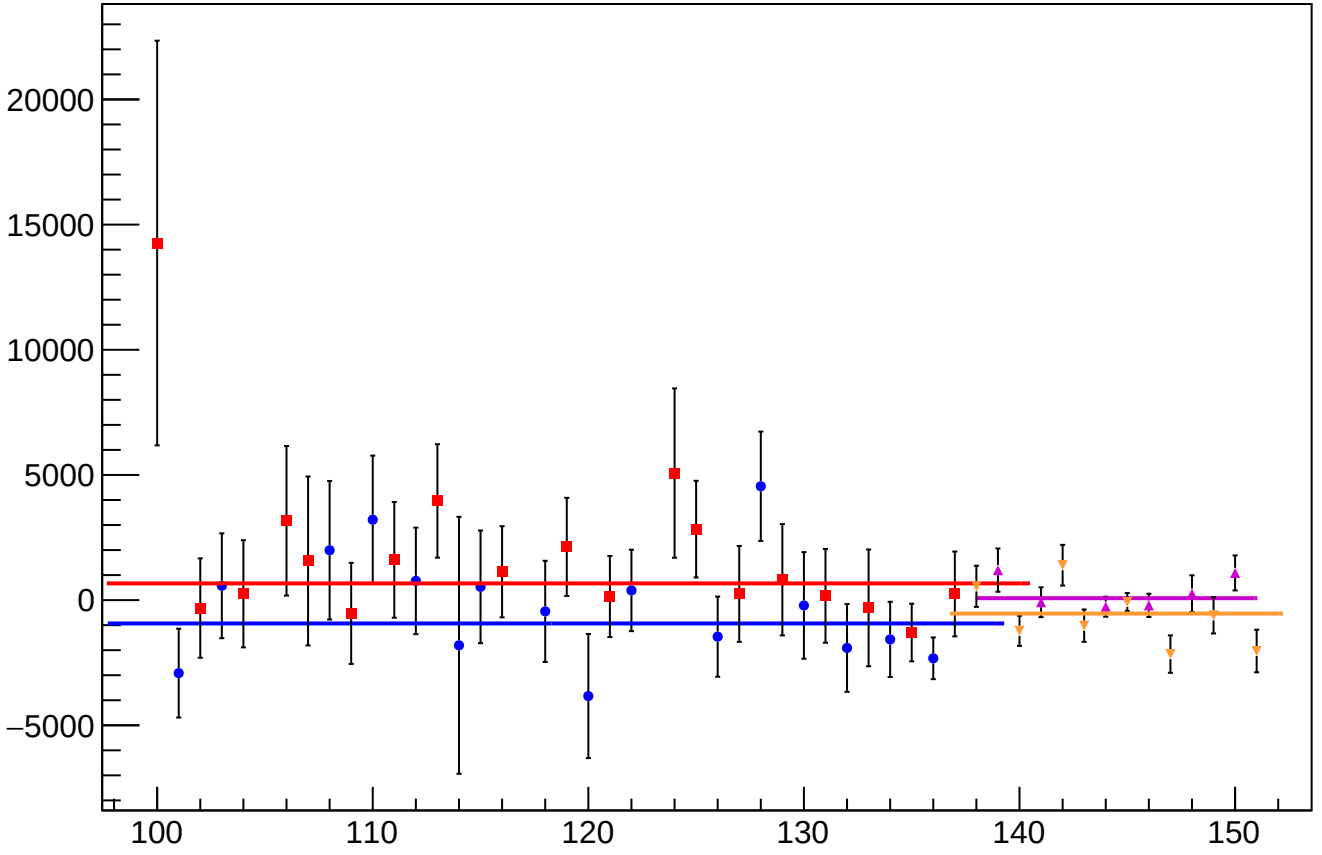
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 93.552+/-0.020 χ^2/NDF:1294763.0/21

Out: 94.658+/-0.019 χ^2/NDF:1606997.9/26

All: 94.122+/-0.014 χ^2/NDF: 2903408.2/48

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: -537.113+/-218.509 χ^2/NDF:18.7/7

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 77.230+/-229.799 χ^2/NDF:5.0/5

Left: -245.402+/-158.350 χ^2/NDF: 27.5/13

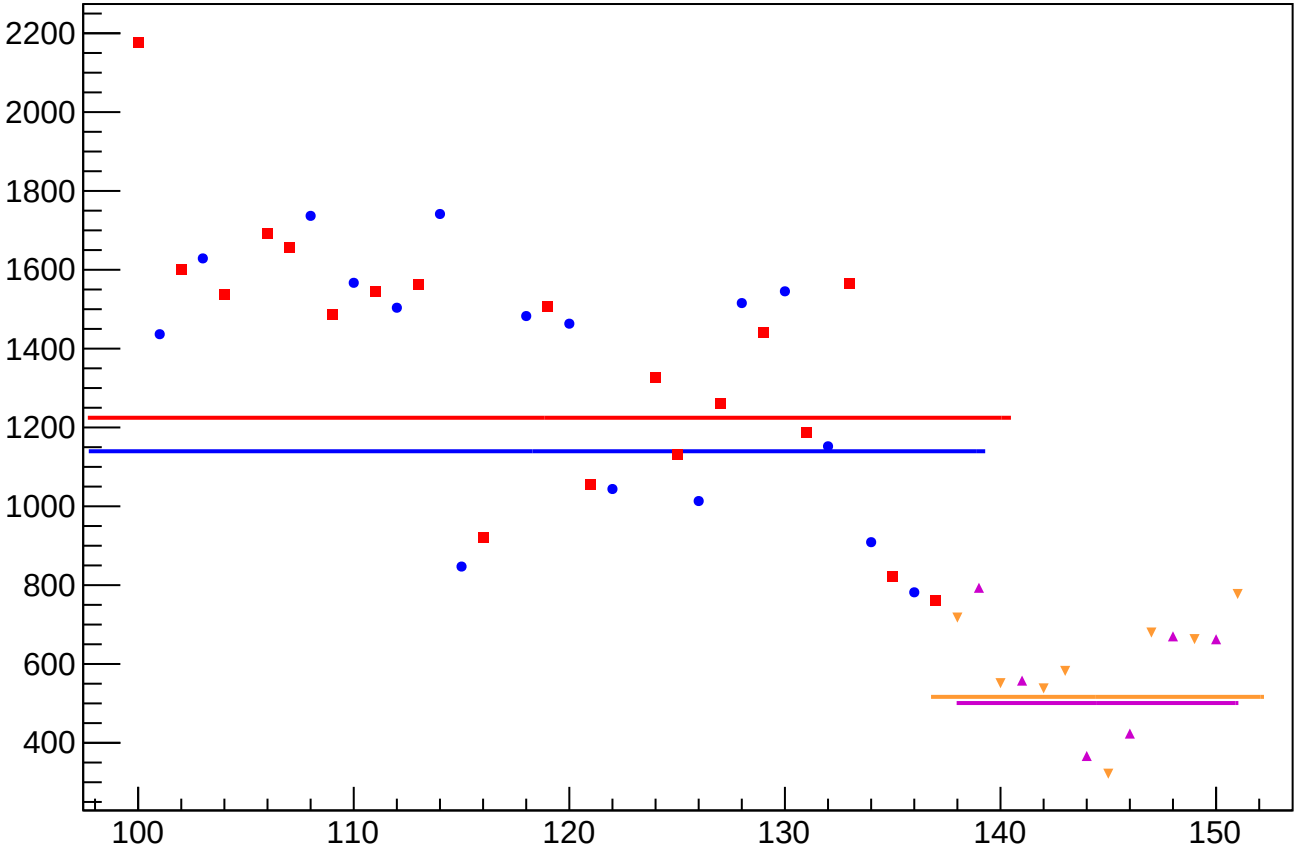
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -137.048+/-203.960 χ^2/NDF:27.6/21

Out: -317.661+/-197.625 χ^2/NDF:37.7/26

All: -230.203+/-141.929 χ^2/NDF: 65.7/48

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 516.618+/-0.155 χ^2/NDF:1101872.0/7

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 500.935+/-0.162 χ^2/NDF:742003.8/5

Left: 509.171+/-0.112 χ^2/NDF: 1848767.7/13

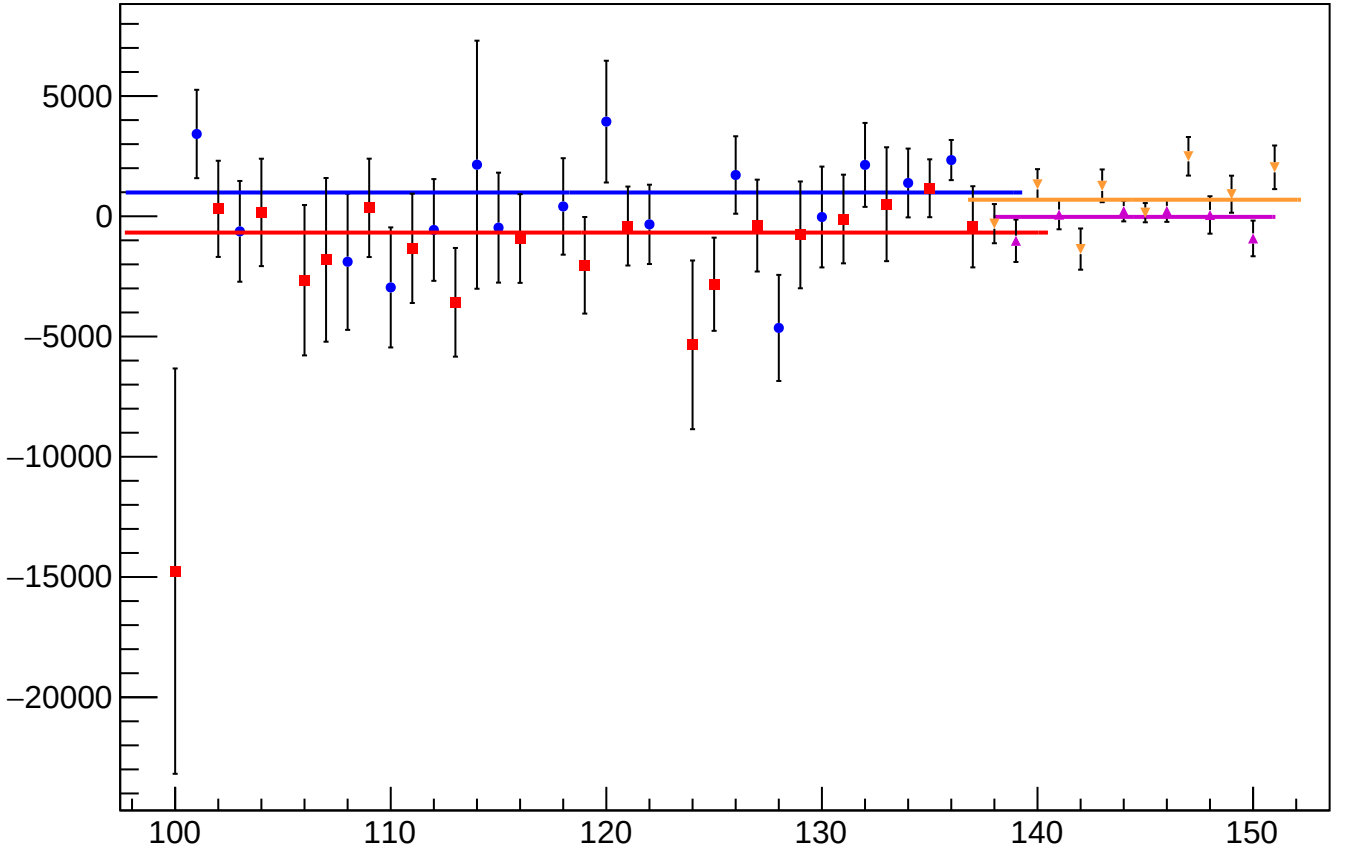
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 636.497+/-0.144 χ^2/NDF:5114704.9/21

Out: 645.492+/-0.140 χ^2/NDF:5846336.4/26

All: 641.136+/-0.100 χ^2/NDF: 10963047.9/48

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 688.396+/-234.280 χ^2/NDF:18.2/7

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -25.399+/-237.222 χ^2/NDF:3.4/5

Left: 335.951+/-166.691 χ^2/NDF: 26.1/13

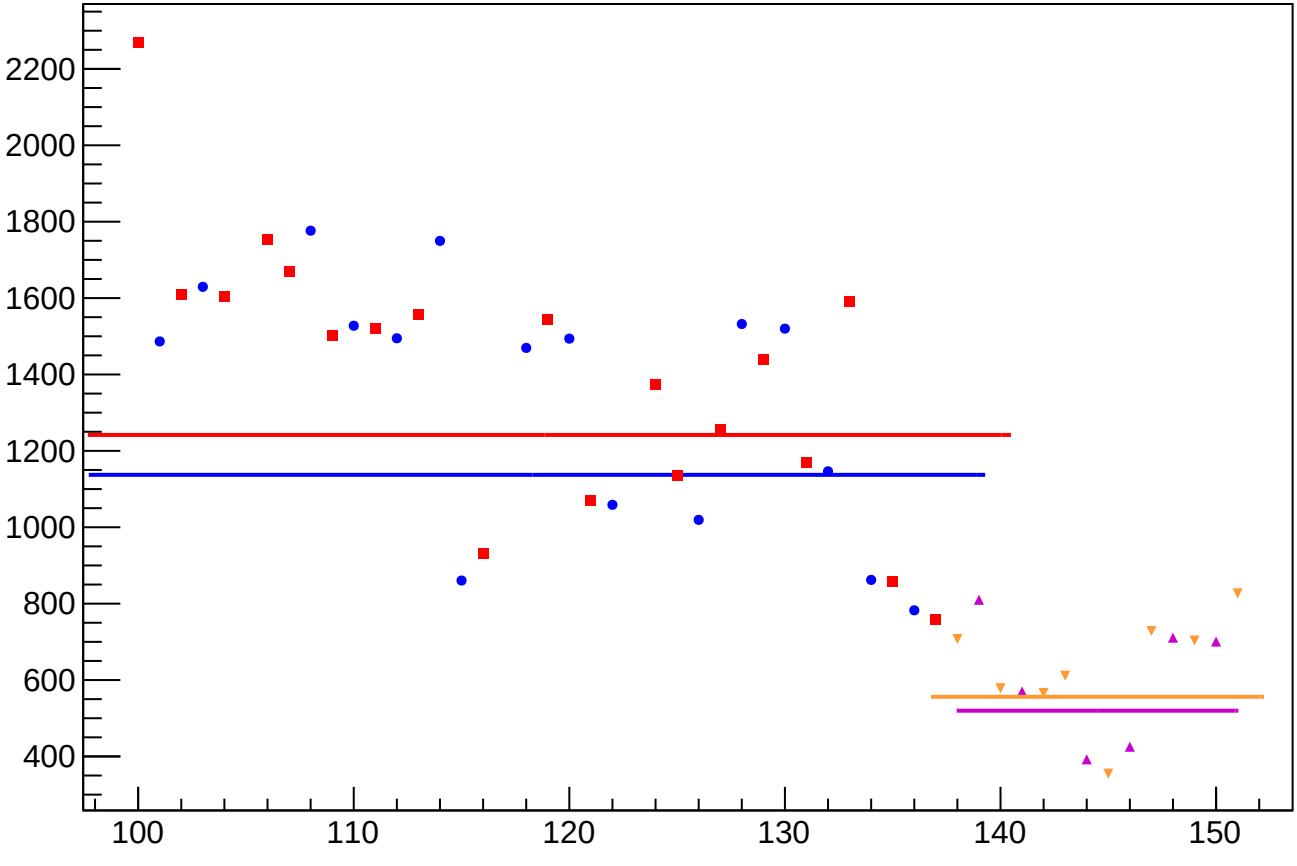
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 201.019+/-209.087 χ^2/NDF:26.5/21

Out: 416.207+/-209.644 χ^2/NDF:36.8/26

All: 308.327+/-148.043 χ^2/NDF: 63.9/48

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 556.243+/-0.166 χ^2/NDF:935135.9/7

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 519.745+/-0.168 χ^2/NDF:734814.2/5

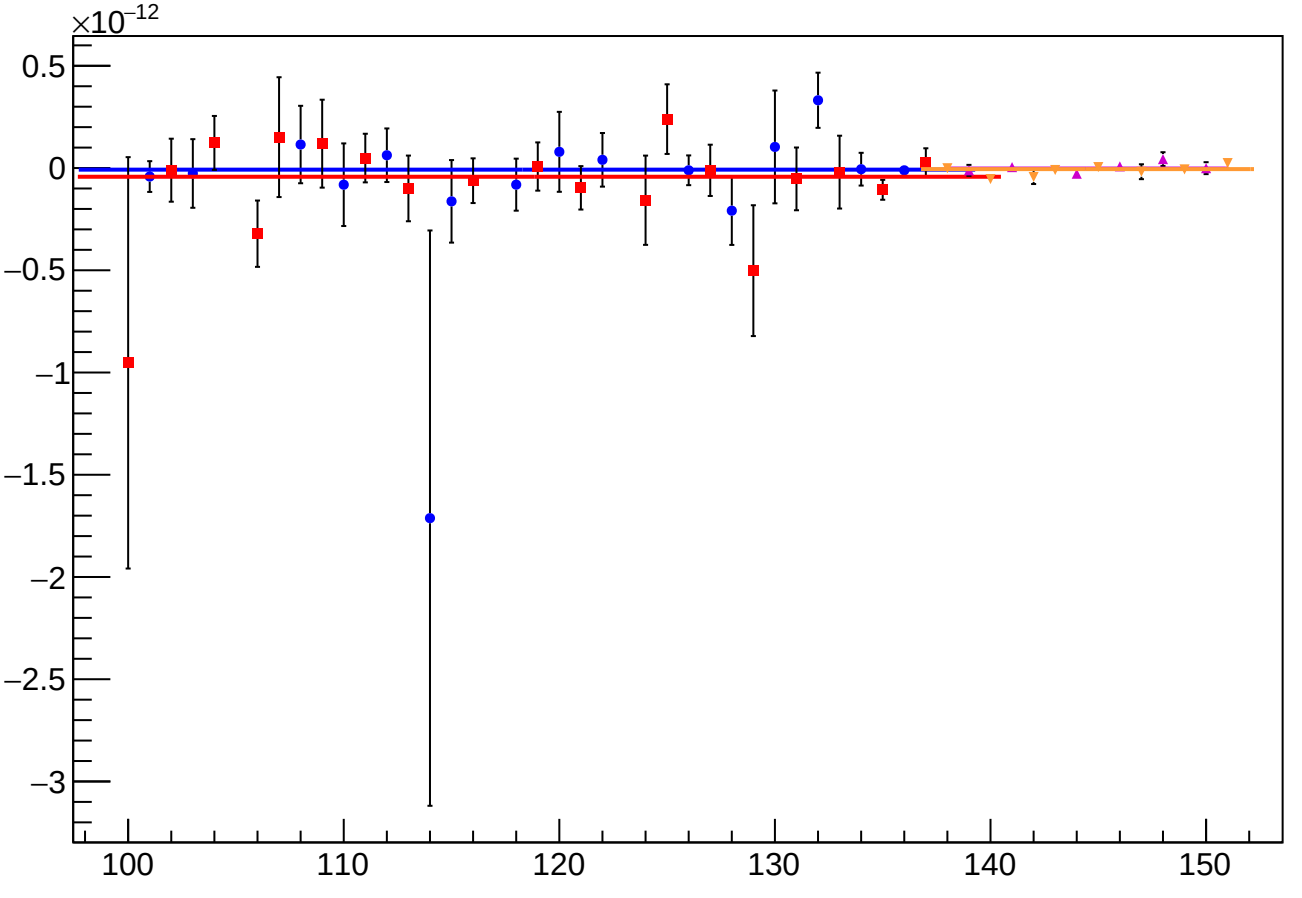
Left: 538.222+/-0.118 χ^2/NDF: 1693917.9/13

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 657.524+/-0.148 χ^2/NDF:4882106.7/21

Out: 692.826+/-0.148 χ^2/NDF:5246039.8/26

All: 675.128+/-0.105 χ^2/NDF: 10156577.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/5

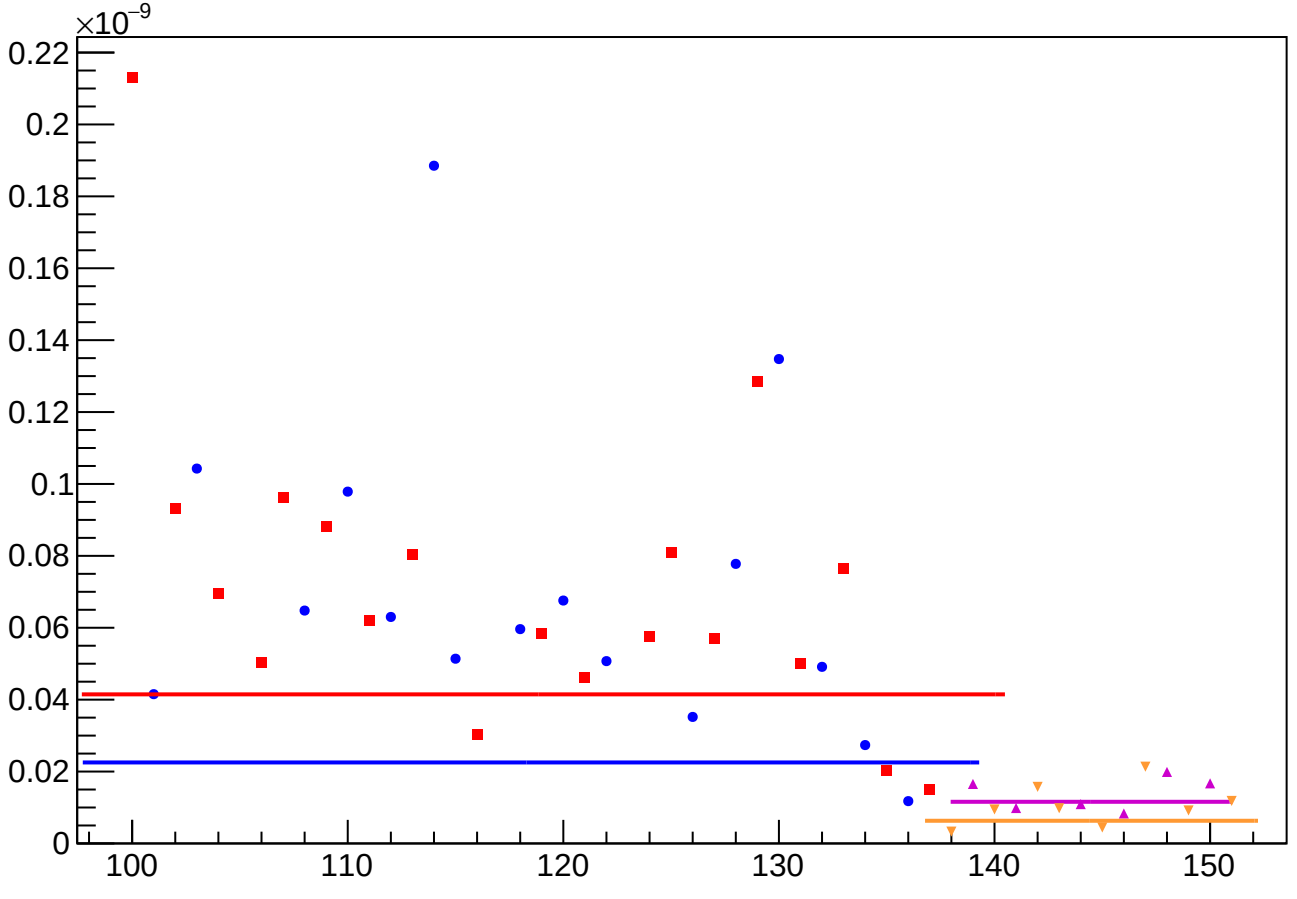
Left: -0.000+/-0.000 χ^2/NDF: 16.6/13

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:16.7/21

Out: -0.000+/-0.000 χ^2/NDF:29.0/26

All: -0.000+/-0.000 χ^2/NDF: 45.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1027708.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:357559.1/5

Left: 0.000+/-0.000 χ^2/NDF: 1926713.0/13

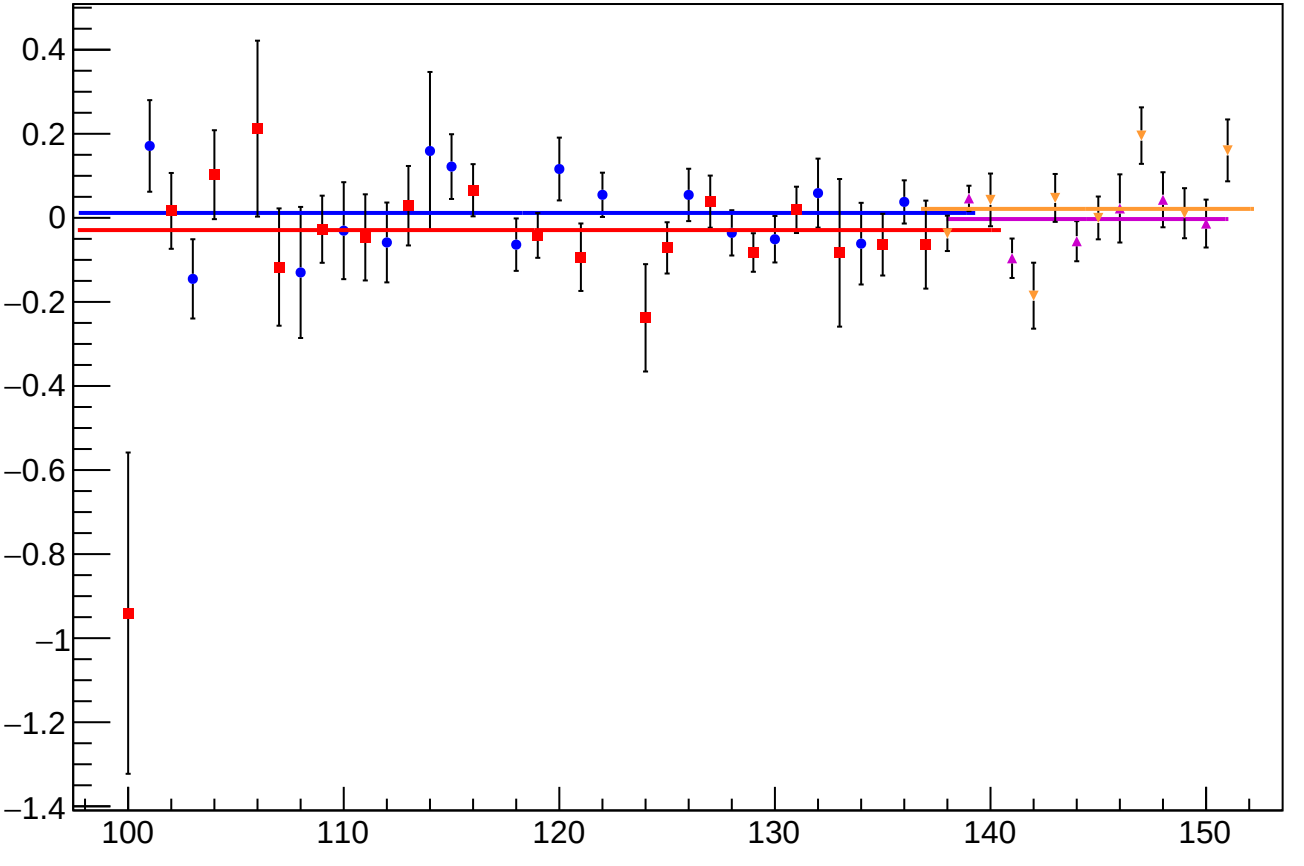
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:3850894.3/21

Out: 0.000+/-0.000 χ^2/NDF:6117396.3/26

All: 0.000+/-0.000 χ^2/NDF: 10799325.5/48

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: 0.021+/-0.021 χ^2/NDF:19.7/7

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.019 χ^2/NDF:8.5/5

Left: 0.008+/-0.014 χ^2/NDF: 28.9/13

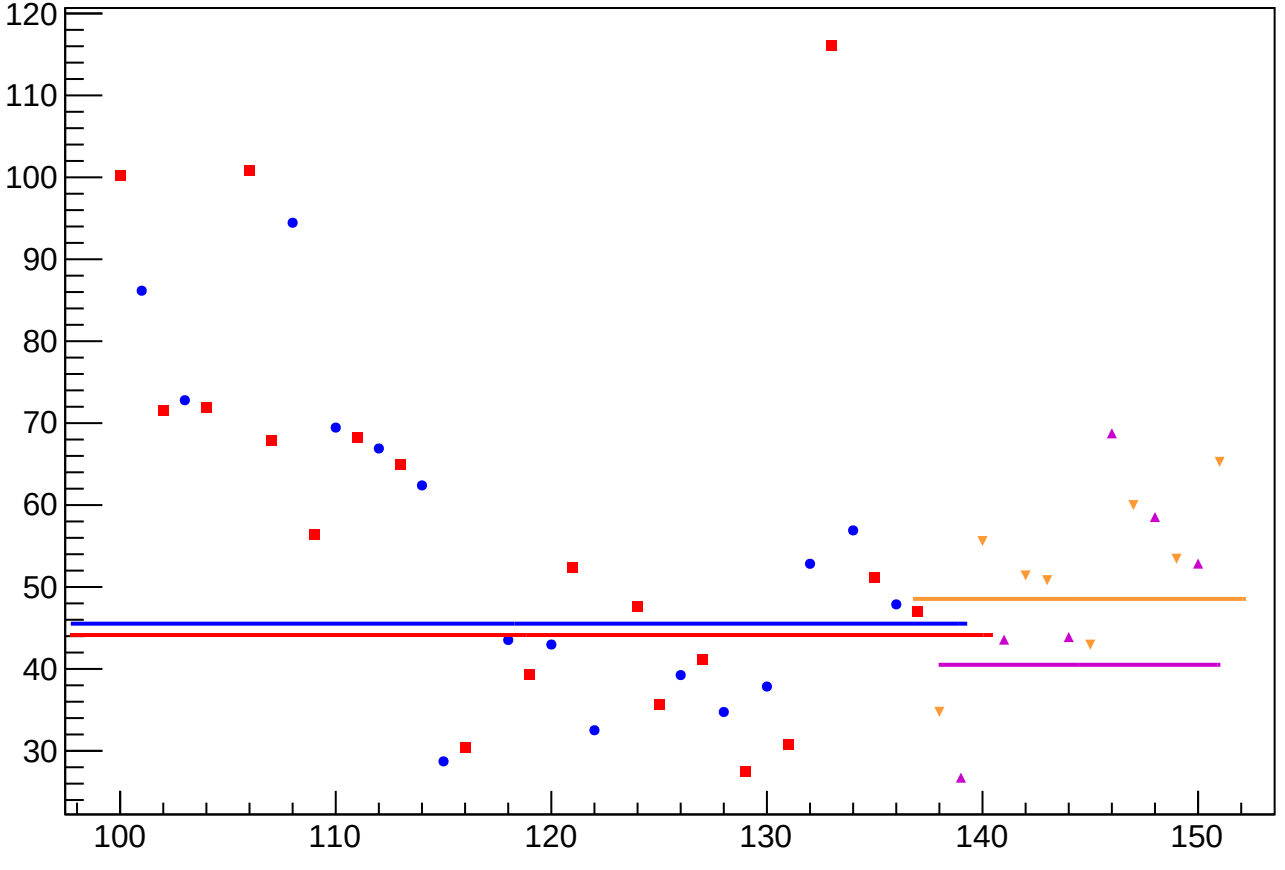
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:25.6/21

Out: -0.007+/-0.013 χ^2/NDF:42.6/26

All: -0.001+/-0.009 χ^2/NDF: 68.7/48

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.547+/-0.015 χ^2/NDF:445070.1/7

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 40.507+/-0.014 χ^2/NDF:925465.1/5

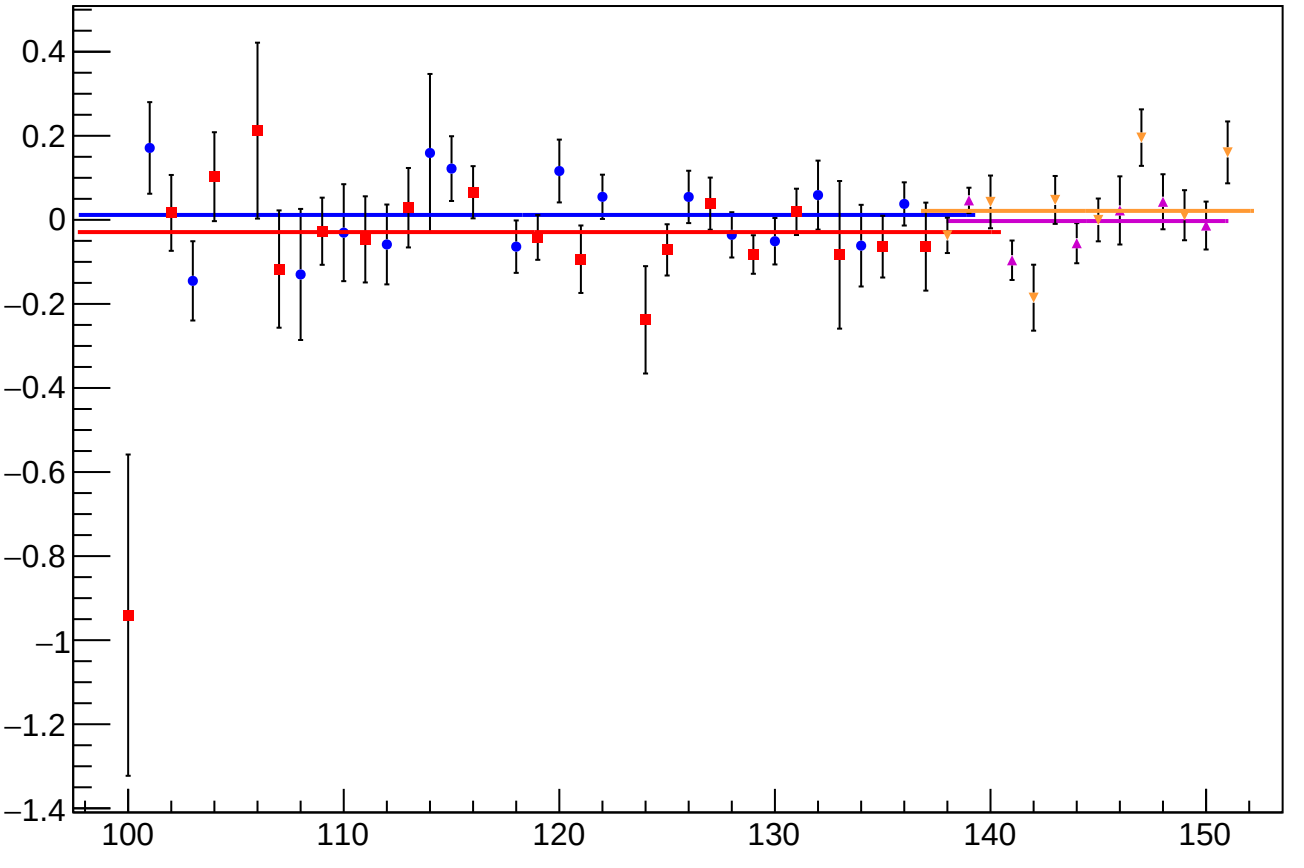
Left: 44.268+/-0.010 χ^2/NDF: 1533201.4/13

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 43.144+/-0.009 χ^2/NDF:2250630.3/21

Out: 46.038+/-0.010 χ^2/NDF:2240771.9/26

All: 44.568+/-0.007 χ^2/NDF: 4538107.9/48



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.021+/-0.021 χ^2/NDF:19.7/7

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.019 χ^2/NDF:8.5/5

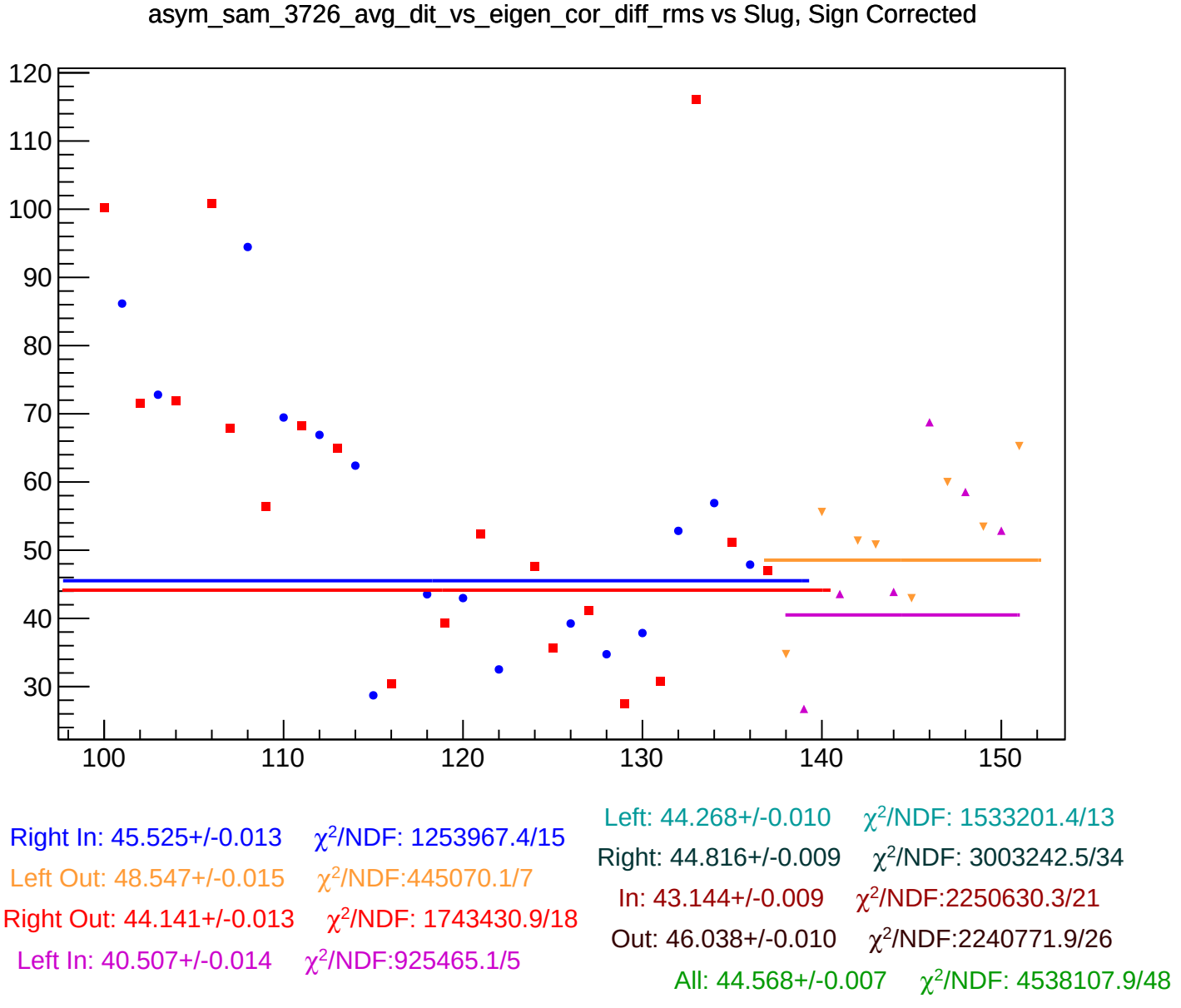
Left: 0.008+/-0.014 χ^2/NDF: 28.9/13

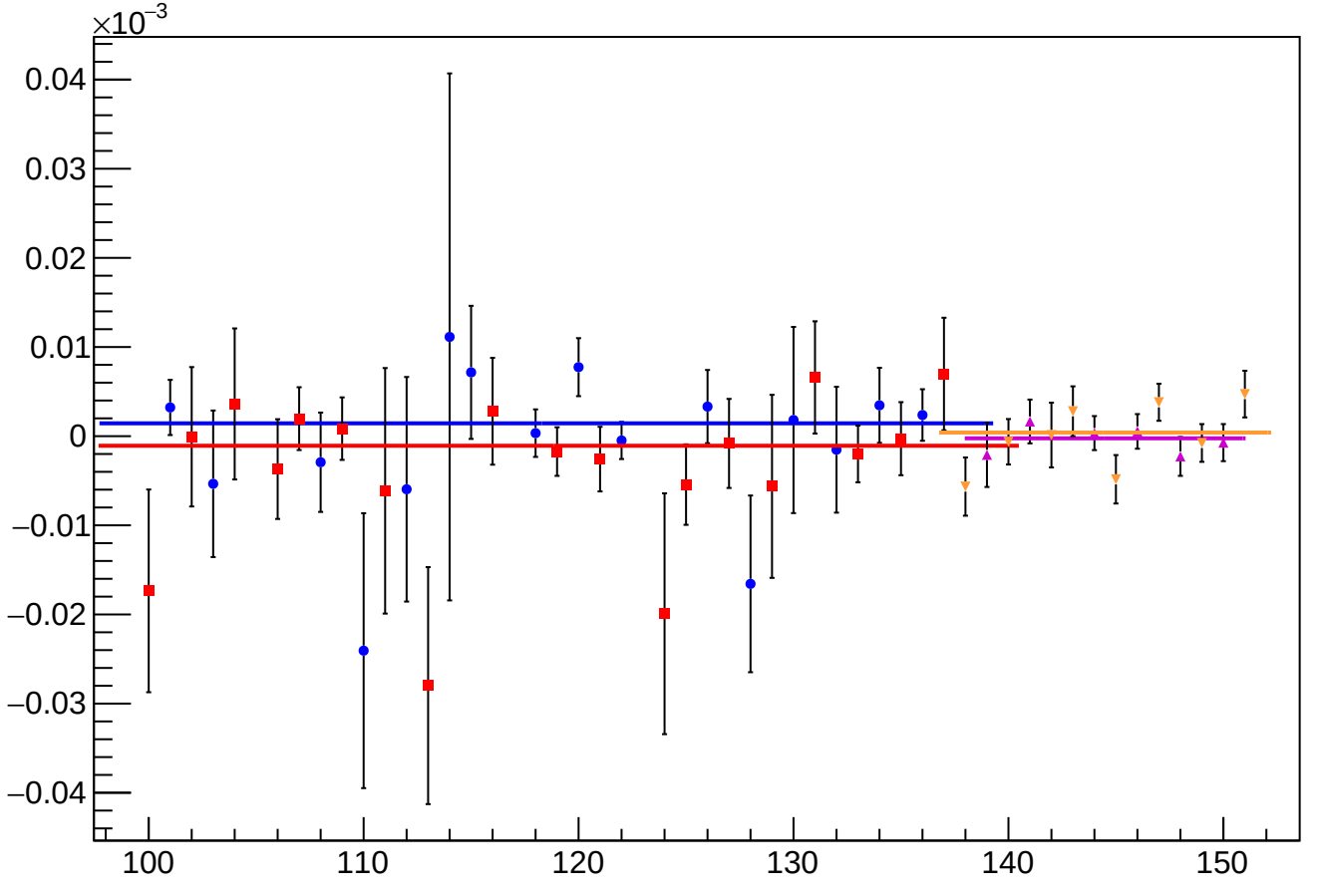
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:25.6/21

Out: -0.007+/-0.013 χ^2/NDF:42.6/26

All: -0.001+/-0.009 χ^2/NDF: 68.7/48


asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
110
120
130
140
150
Right In: 45.525+/-0.013 χ2/NDF: 1253967.4/15
Left Out: 48.547+/-0.015 χ2/NDF:445070.1/7
Right Out: 44.141+/-0.013 χ2/NDF: 1743430.9/18
Left In: 40.507+/-0.014 χ2/NDF:925465.1/5
Left: 44.268+/-0.010 χ2/NDF: 1533201.4/13
Right: 44.816+/-0.009 χ2/NDF: 3003242.5/34
In: 43.144+/-0.009 χ2/NDF:2250630.3/21
Out: 46.038+/-0.010 χ2/NDF:2240771.9/26
All: 44.568+/-0.007 χ2/NDF: 4538107.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/5

Left: 0.000+/-0.000 χ^2/NDF: 16.1/13

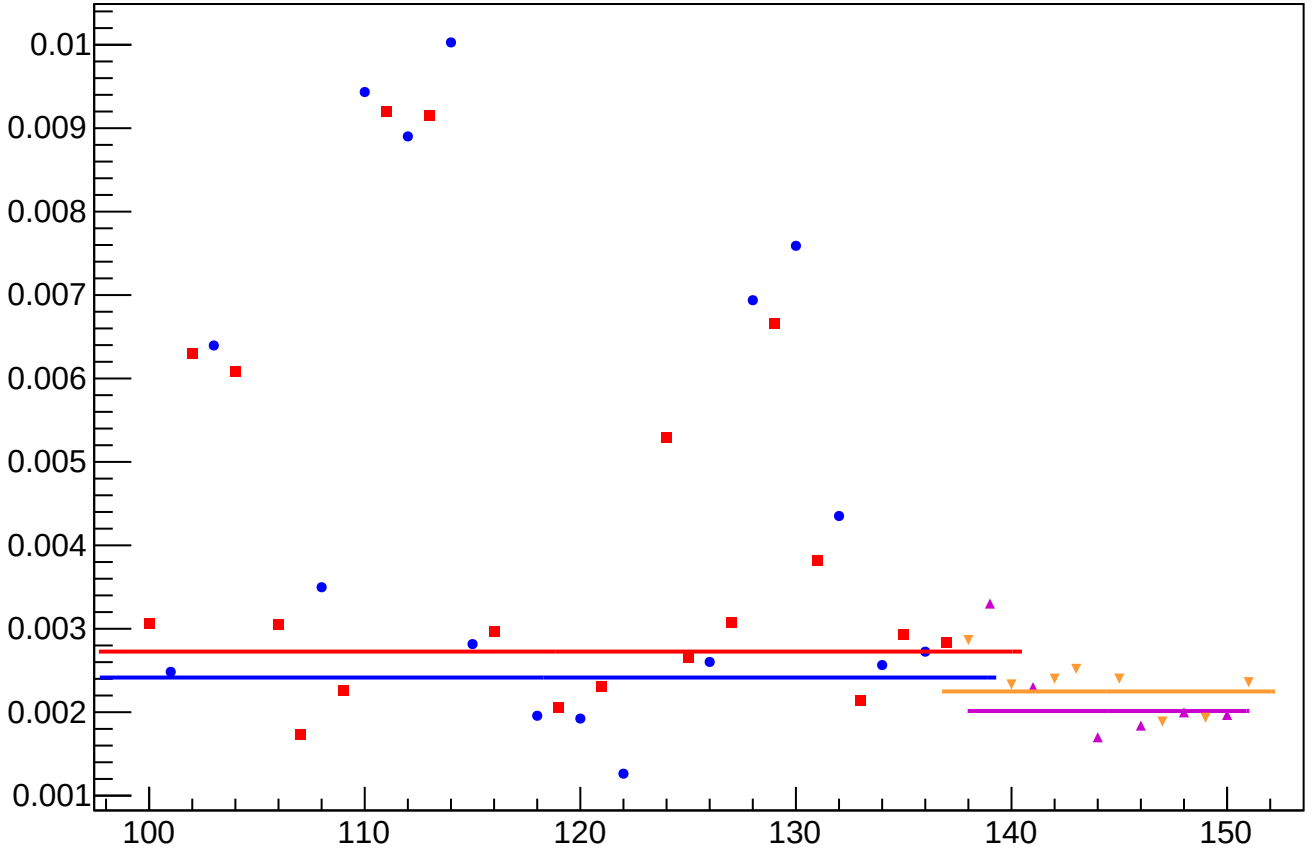
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:17.7/21

Out: -0.000+/-0.000 χ^2/NDF:29.6/26

All: 0.000+/-0.000 χ^2/NDF: 47.8/48

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:210667.9/7

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:353566.2/5

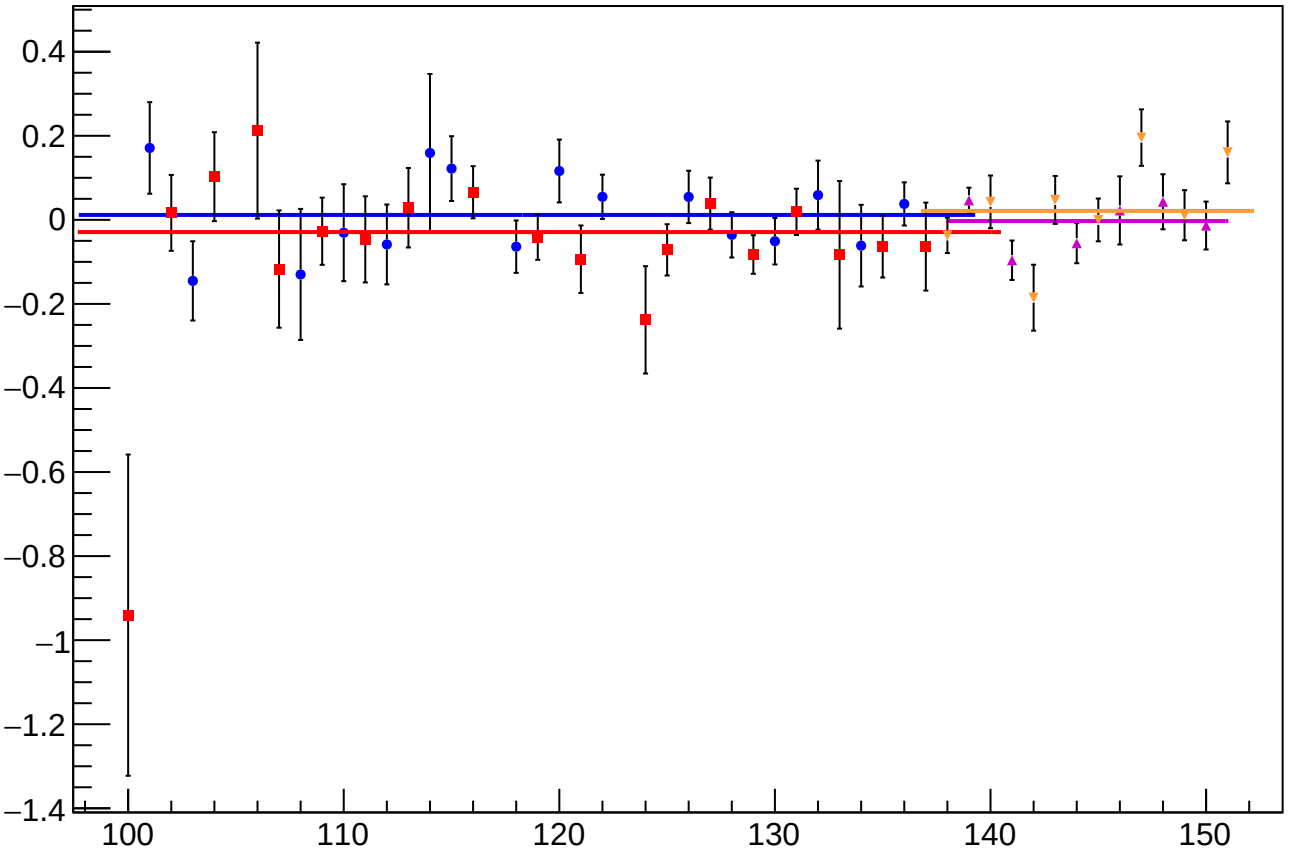
Left: 0.002+/-0.000 χ^2/NDF: 630513.5/13

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:3955028.5/21

Out: 0.002+/-0.000 χ^2/NDF:2933314.6/26

All: 0.002+/-0.000 χ^2/NDF: 7020811.9/48



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.021+/-0.021 χ^2/NDF:19.7/7

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.019 χ^2/NDF:8.5/5

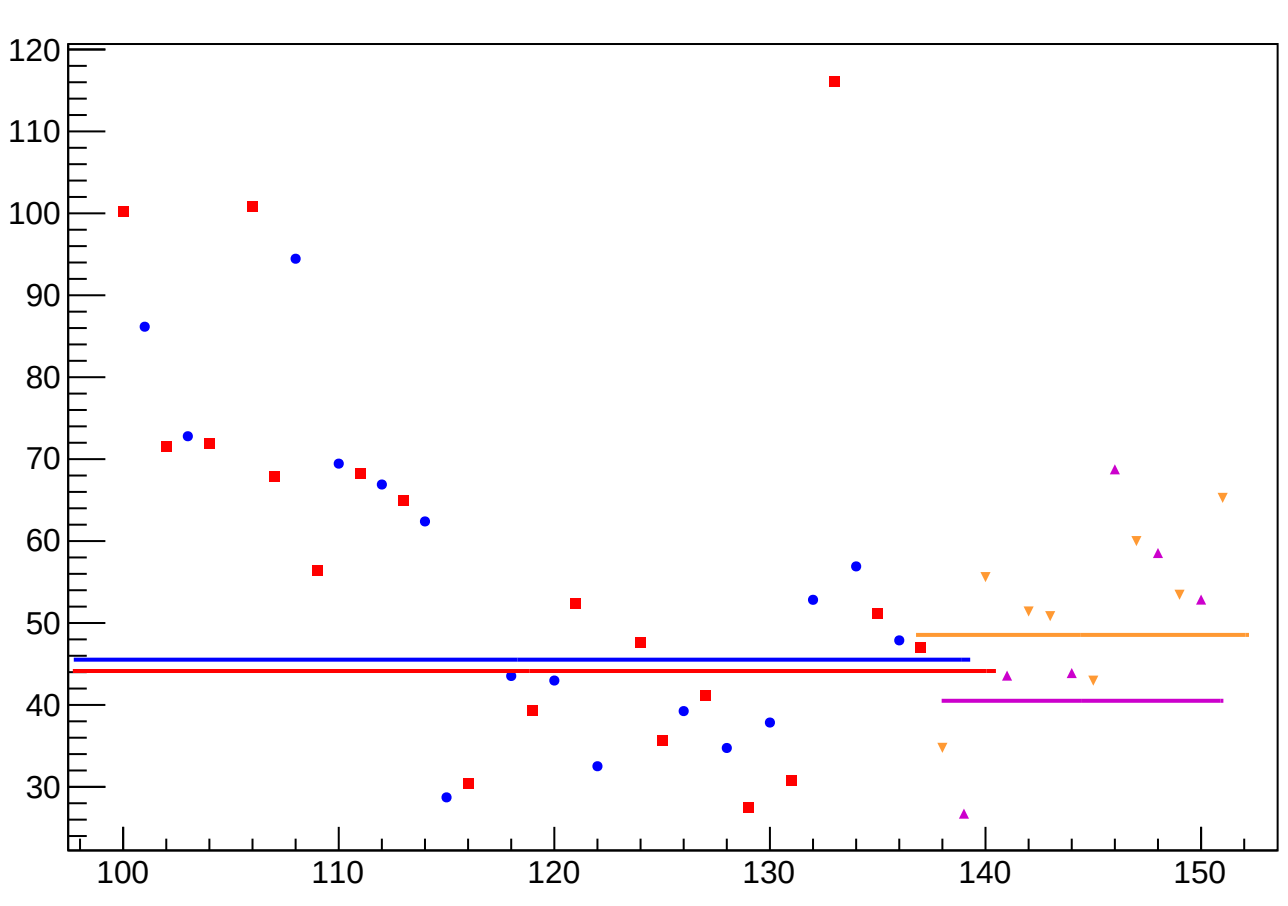
Left: 0.008+/-0.014 χ^2/NDF: 28.9/13

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:25.6/21

Out: -0.007+/-0.013 χ^2/NDF:42.7/26

All: -0.001+/-0.009 χ^2/NDF: 68.7/48



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.548+/-0.015 χ^2/NDF:445094.3/7

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.507+/-0.014 χ^2/NDF:925488.0/5

Left: 44.268+/-0.010 χ^2/NDF: 1533251.3/13

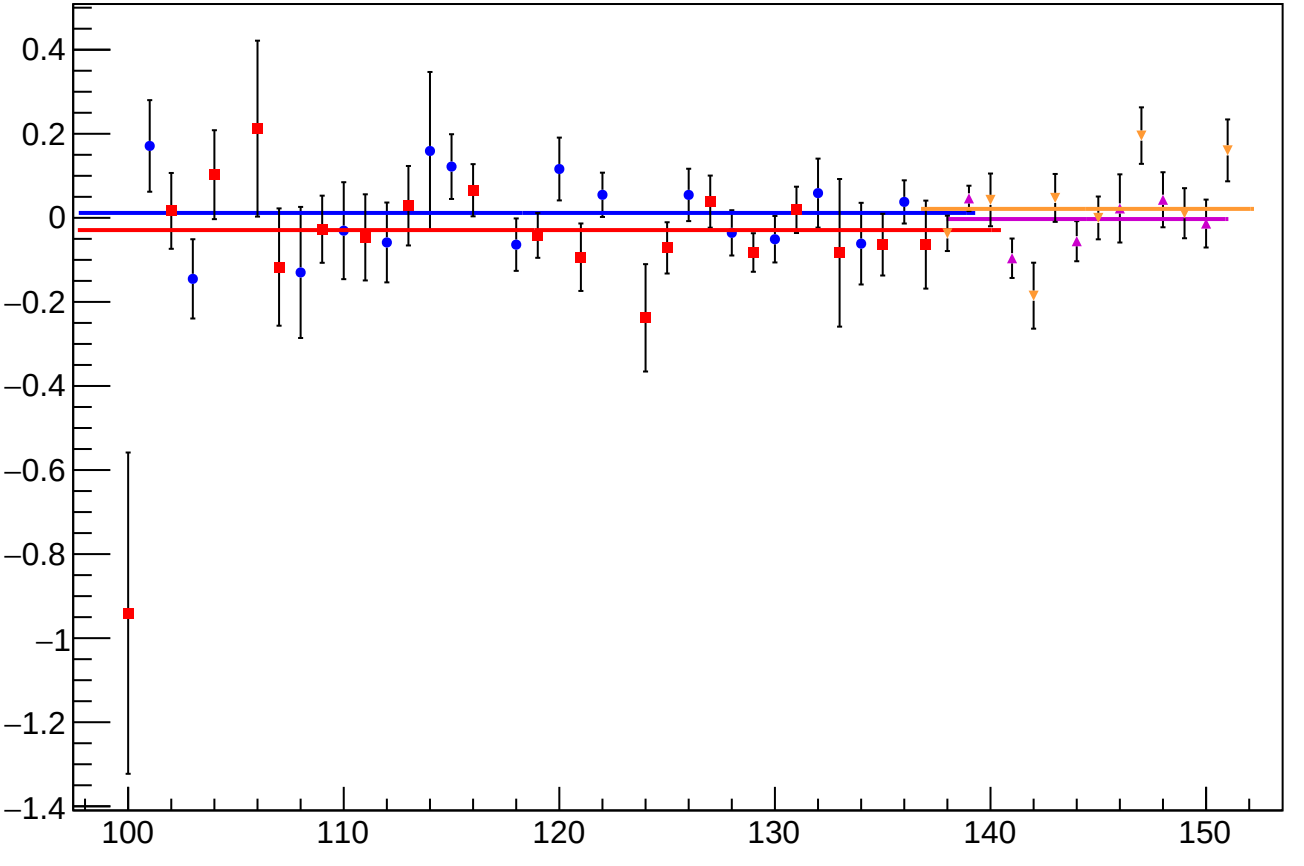
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 43.144+/-0.009 χ^2/NDF:2250599.4/21

Out: 46.038+/-0.010 χ^2/NDF:2240716.8/26

All: 44.568+/-0.007 χ^2/NDF: 4538028.6/48

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: 0.021+/-0.021 χ^2/NDF:19.7/7

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.003+/-0.019 χ^2/NDF:8.5/5

Left: 0.008+/-0.014 χ^2/NDF: 28.9/13

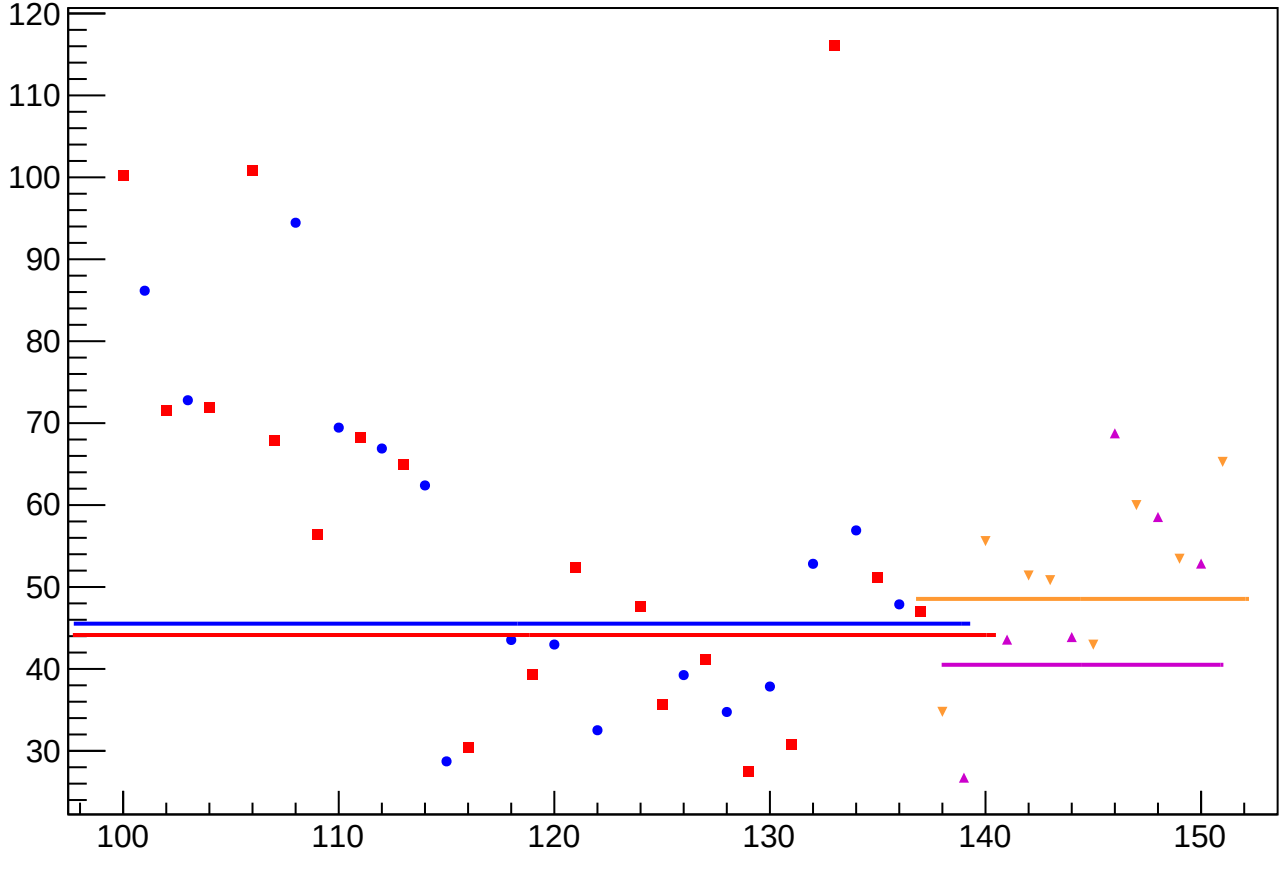
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:25.6/21

Out: -0.007+/-0.013 χ^2/NDF:42.7/26

All: -0.001+/-0.009 χ^2/NDF: 68.7/48

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.548+/-0.015 χ^2/NDF:445094.3/7

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 40.507+/-0.014 χ^2/NDF:925488.0/5

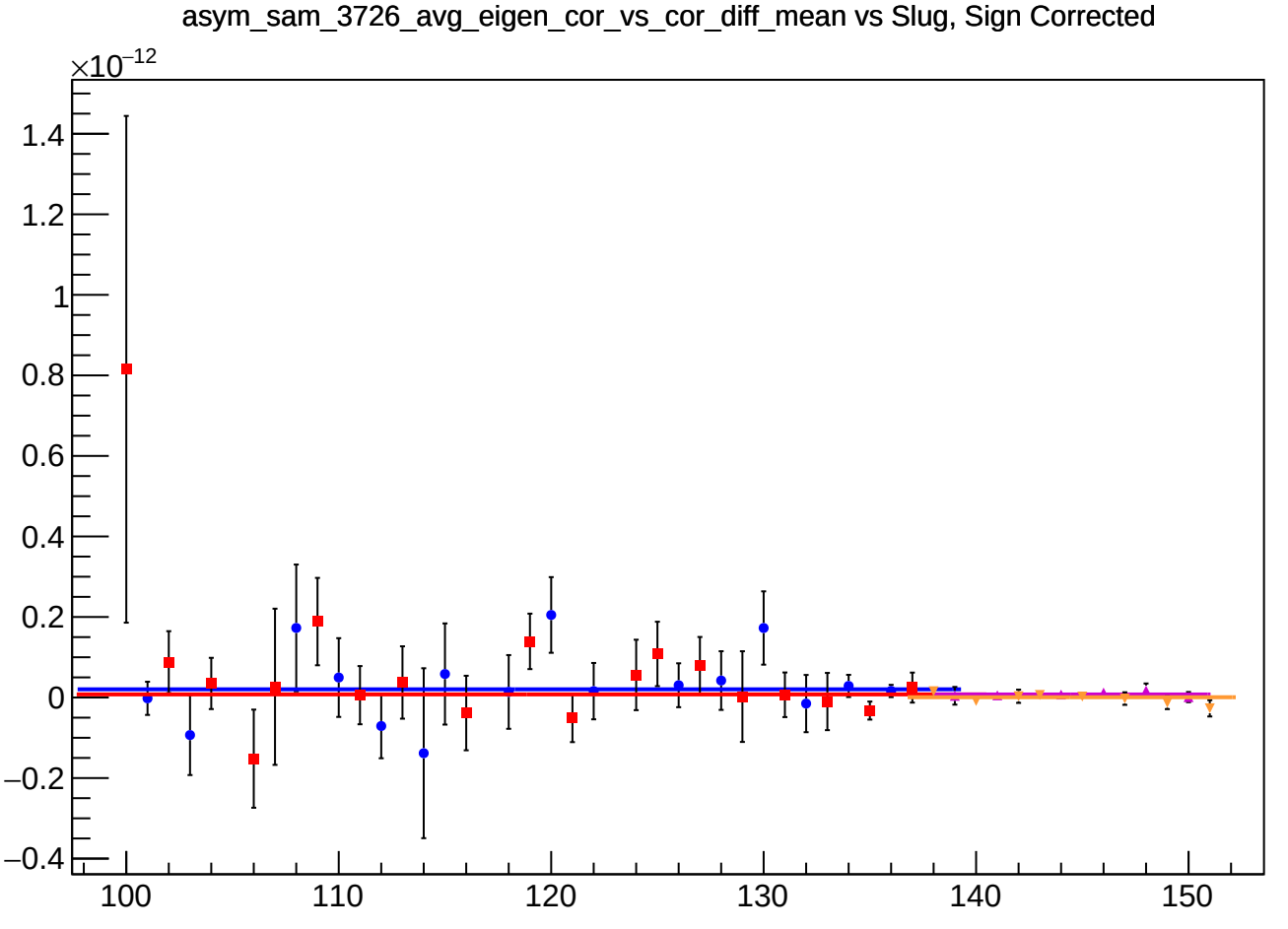
Left: 44.268+/-0.010 χ^2/NDF: 1533251.3/13

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 43.144+/-0.009 χ^2/NDF:2250599.4/21

Out: 46.038+/-0.010 χ^2/NDF:2240716.8/26

All: 44.568+/-0.007 χ^2/NDF: 4538028.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:0.9/5

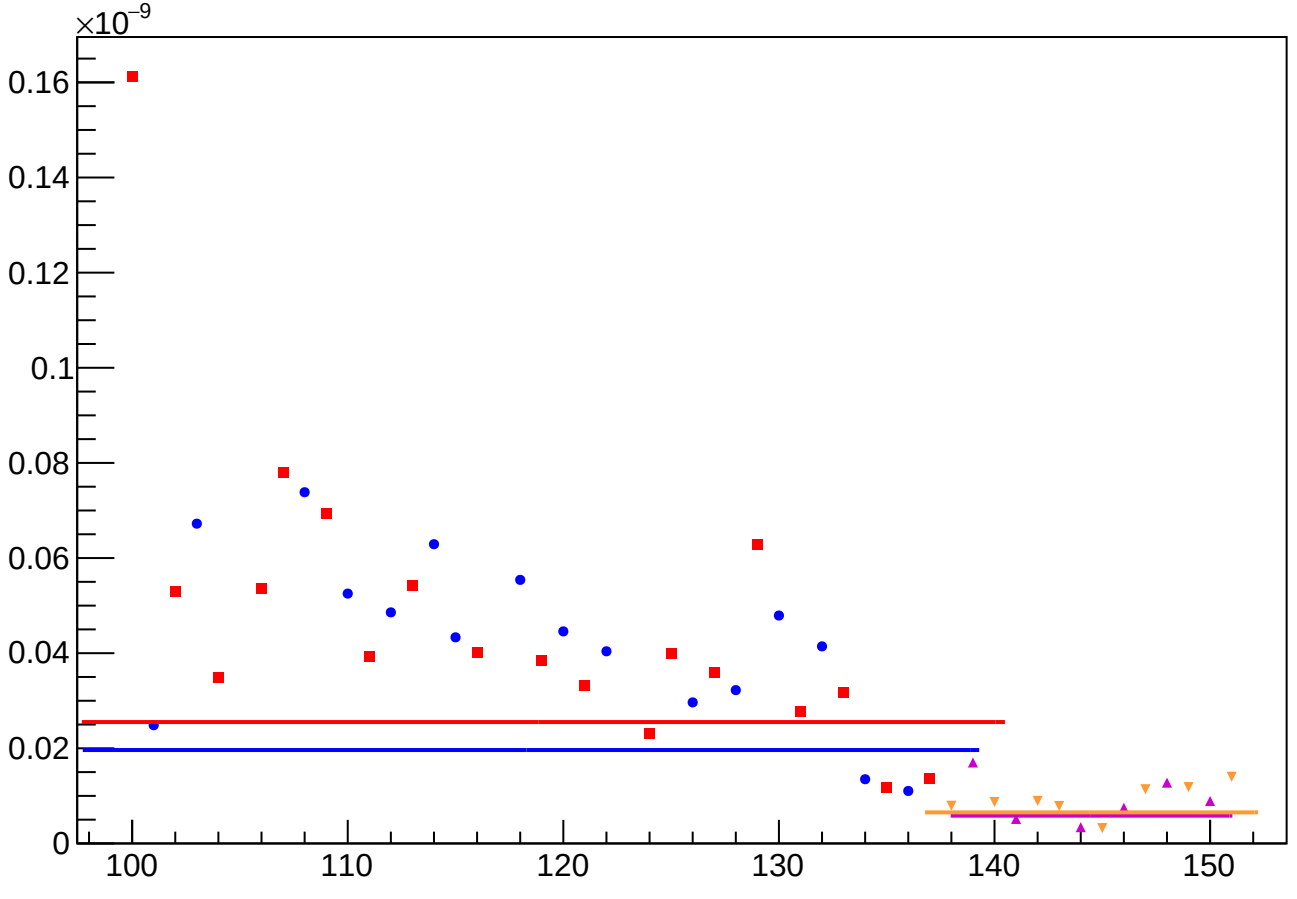
Left: 0.000+/-0.000 χ^2/NDF: 7.6/13

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:13.9/21

Out: 0.000+/-0.000 χ^2/NDF:24.1/26

All: 0.000+/-0.000 χ^2/NDF: 40.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1564893.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1376568.6/5

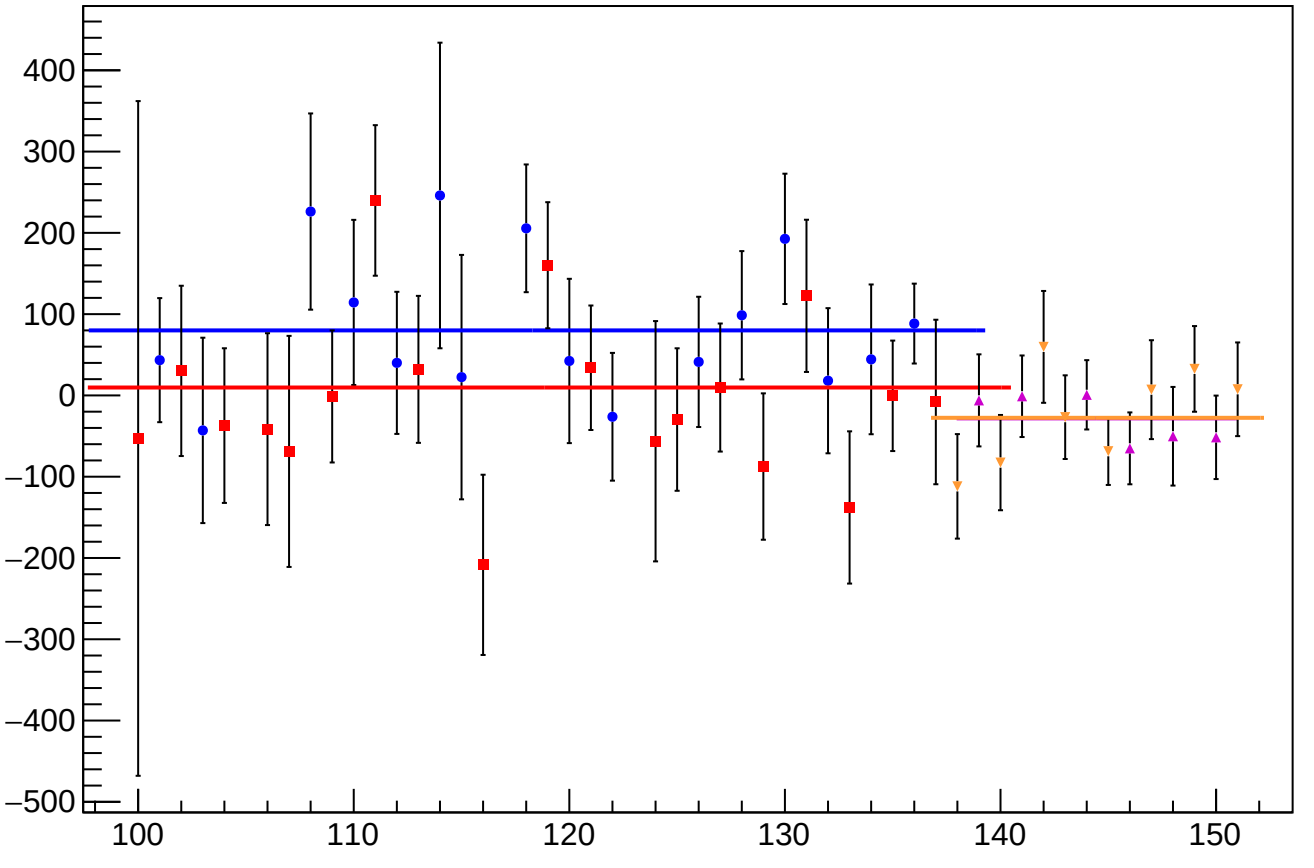
Left: 0.000+/-0.000 χ^2/NDF: 2973686.0/13

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7336009.2/21

Out: 0.000+/-0.000 χ^2/NDF:7837906.2/26

All: 0.000+/-0.000 χ^2/NDF: 15197274.9/48



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -27.553+/-19.485 χ^2/NDF:7.2/7

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -28.248+/-20.322 χ^2/NDF:1.9/5

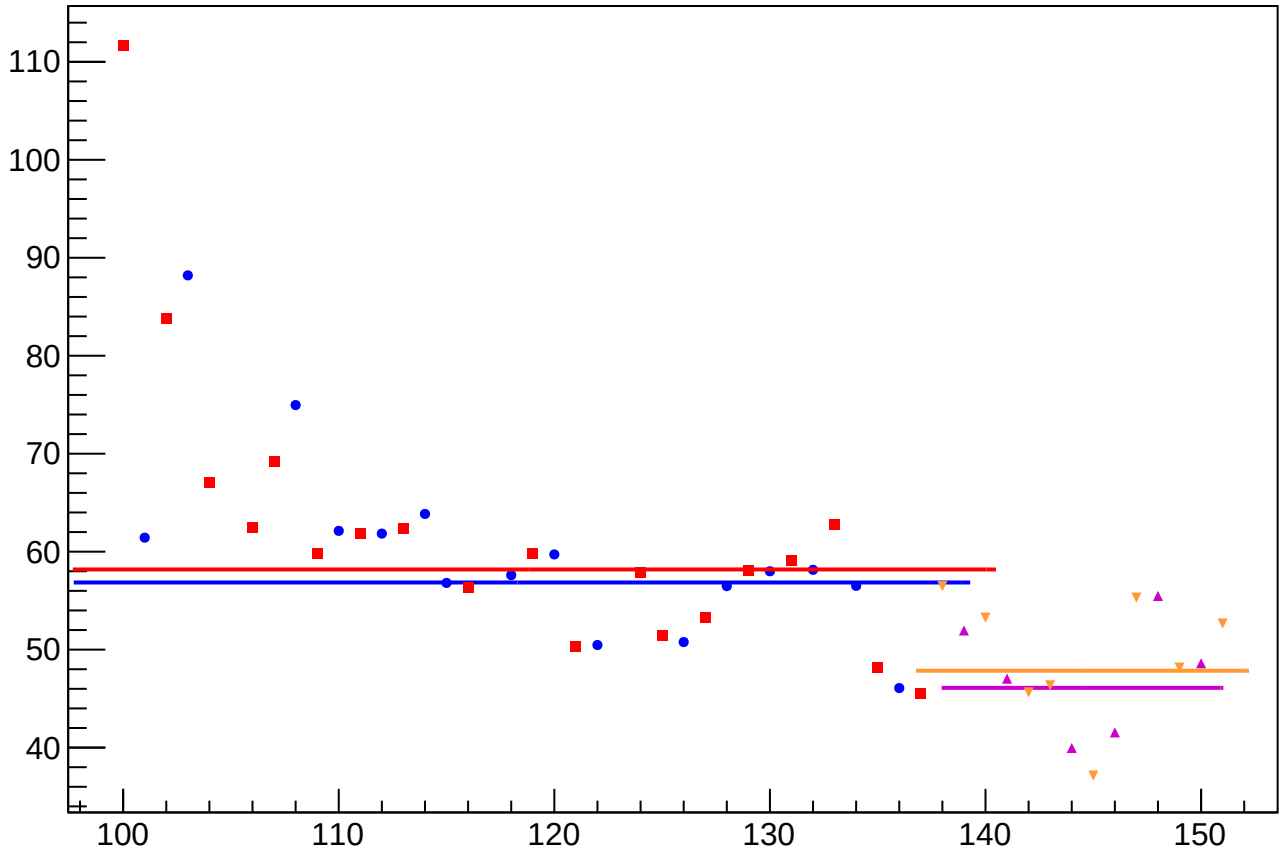
Left: -27.886+/-14.064 χ^2/NDF: 9.1/13

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 22.889+/-14.760 χ^2/NDF:26.9/21

Out: -10.841+/-14.473 χ^2/NDF:29.2/26

All: 5.693+/-10.334 χ^2/NDF: 58.7/48



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.850+/-0.014 χ^2/NDF:234016.1/7

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.099+/-0.014 χ^2/NDF:137229.2/5

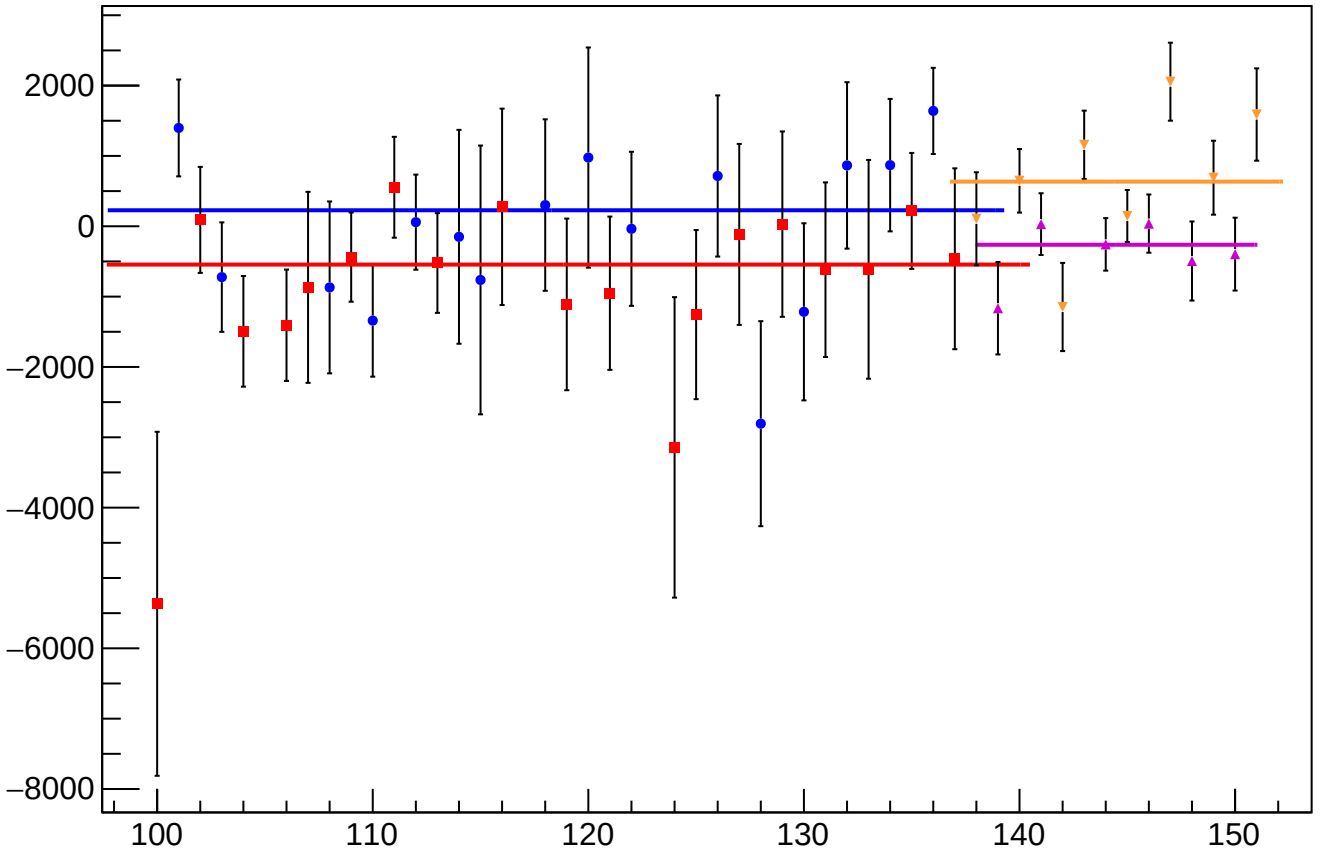
Left: 47.011+/-0.010 χ^2/NDF: 378976.4/13

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 51.180+/-0.010 χ^2/NDF:743484.2/21

Out: 52.481+/-0.010 χ^2/NDF:800738.1/26

All: 51.843+/-0.007 χ^2/NDF: 1552139.6/48



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 634.520+/-181.163 χ^2/NDF:20.3/7

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -262.890+/-191.034 χ^2/NDF:3.1/5

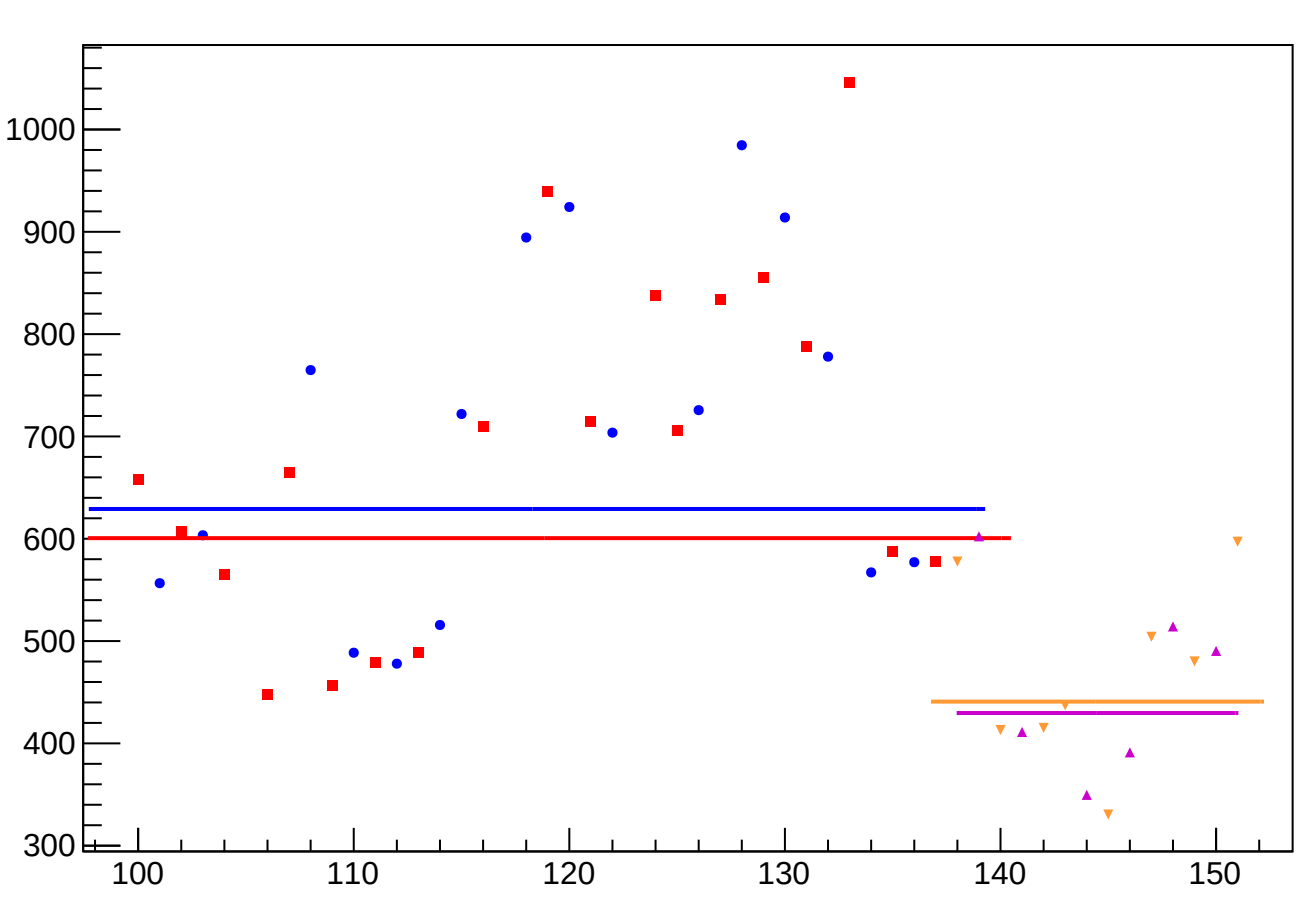
Left: 209.599+/-131.453 χ^2/NDF: 35.0/13

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -73.875+/-149.760 χ^2/NDF:27.3/21

Out: 176.259+/-141.656 χ^2/NDF:50.2/26

All: 58.143+/-102.912 χ^2/NDF: 78.9/48



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 440.826+/-0.128 χ^2/NDF:425538.7/7

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 429.672+/-0.135 χ^2/NDF:323510.9/5

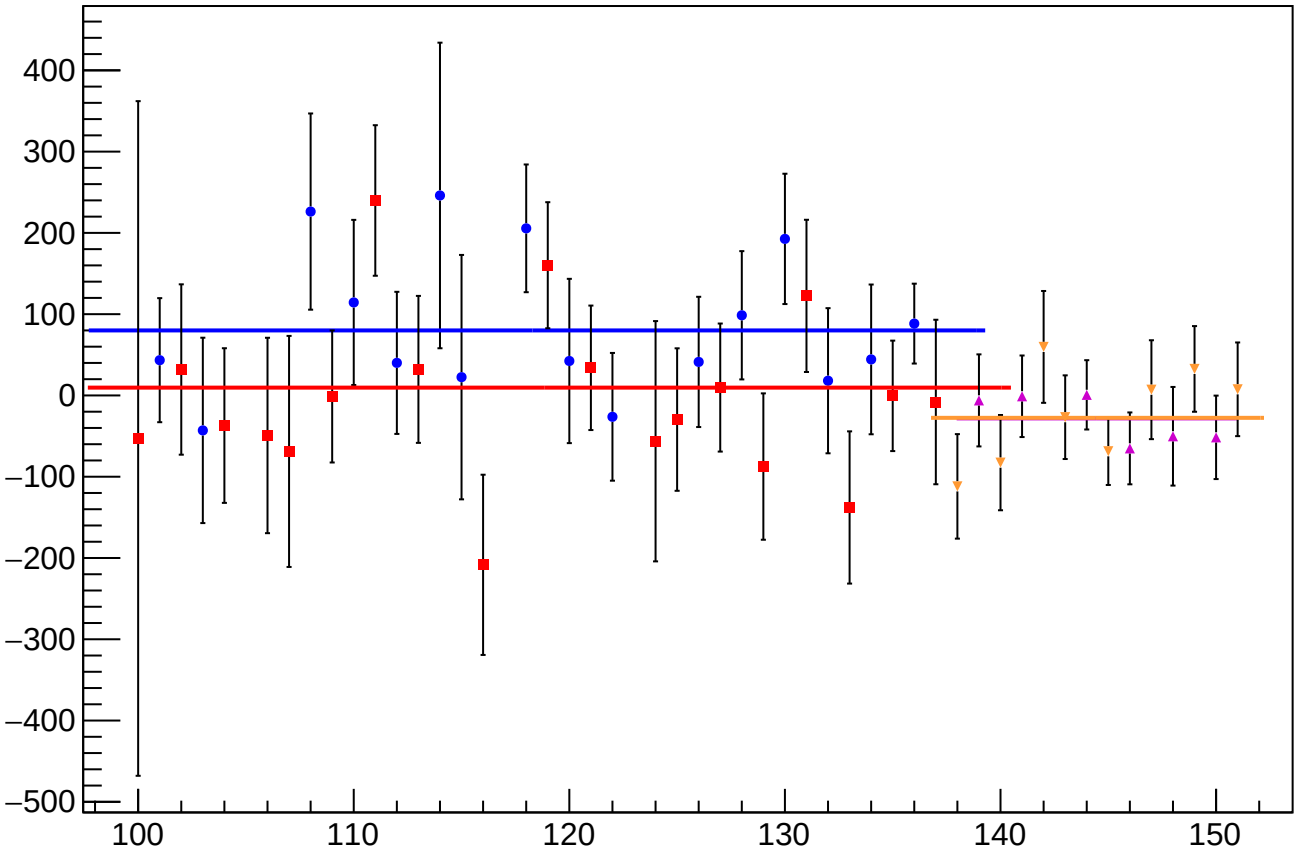
Left: 435.545+/-0.093 χ^2/NDF: 752639.4/13

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 506.537+/-0.106 χ^2/NDF:1856289.5/21

Out: 502.910+/-0.100 χ^2/NDF:1904596.3/26

All: 504.623+/-0.073 χ^2/NDF: 3761504.8/48



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -27.558+/-19.485 χ^2/NDF:7.2/7

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -28.252+/-20.322 χ^2/NDF:1.9/5

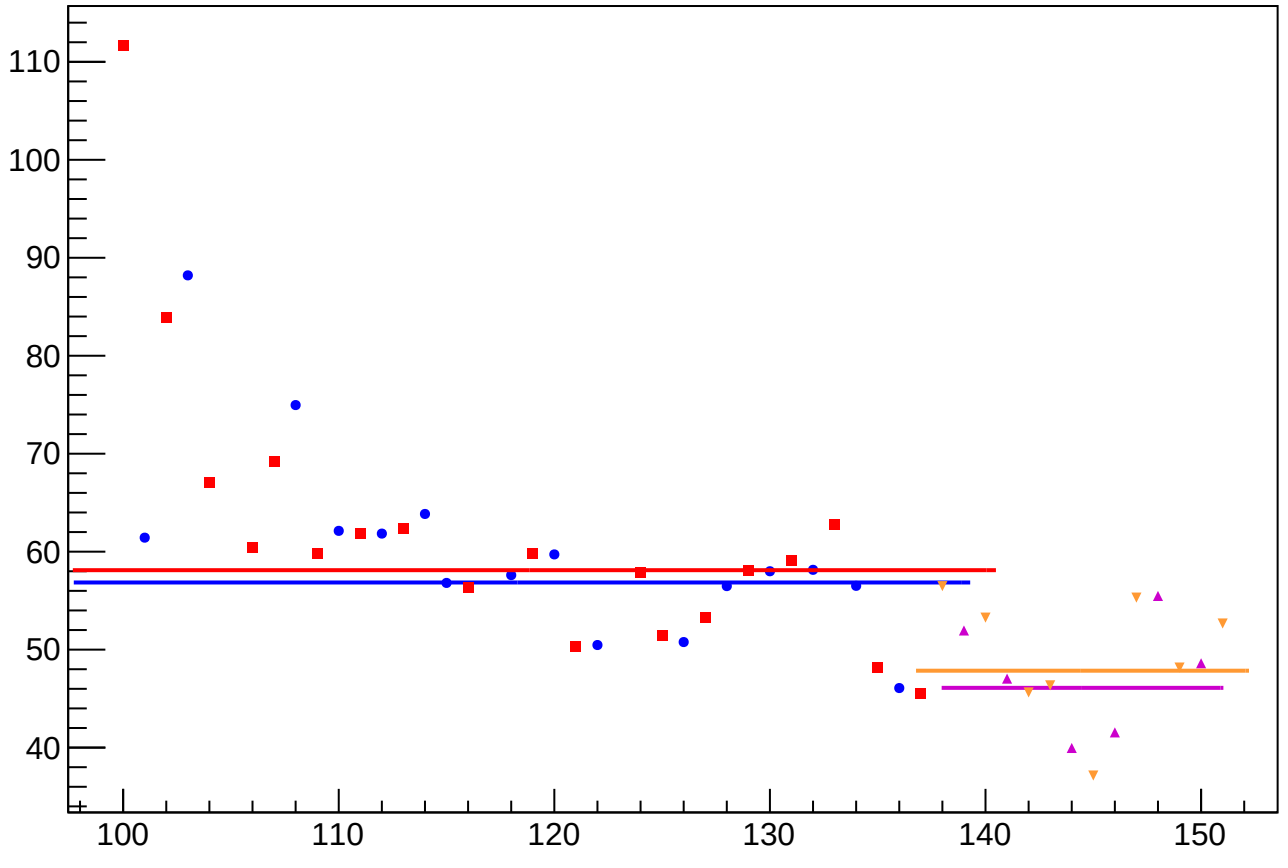
Left: -27.890+/-14.064 χ^2/NDF: 9.1/13

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 22.889+/-14.760 χ^2/NDF:26.9/21

Out: -10.905+/-14.477 χ^2/NDF:29.2/26

All: 5.665+/-10.336 χ^2/NDF: 58.8/48



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.850+/-0.014 χ^2/NDF:234016.1/7

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.099+/-0.014 χ^2/NDF:137229.2/5

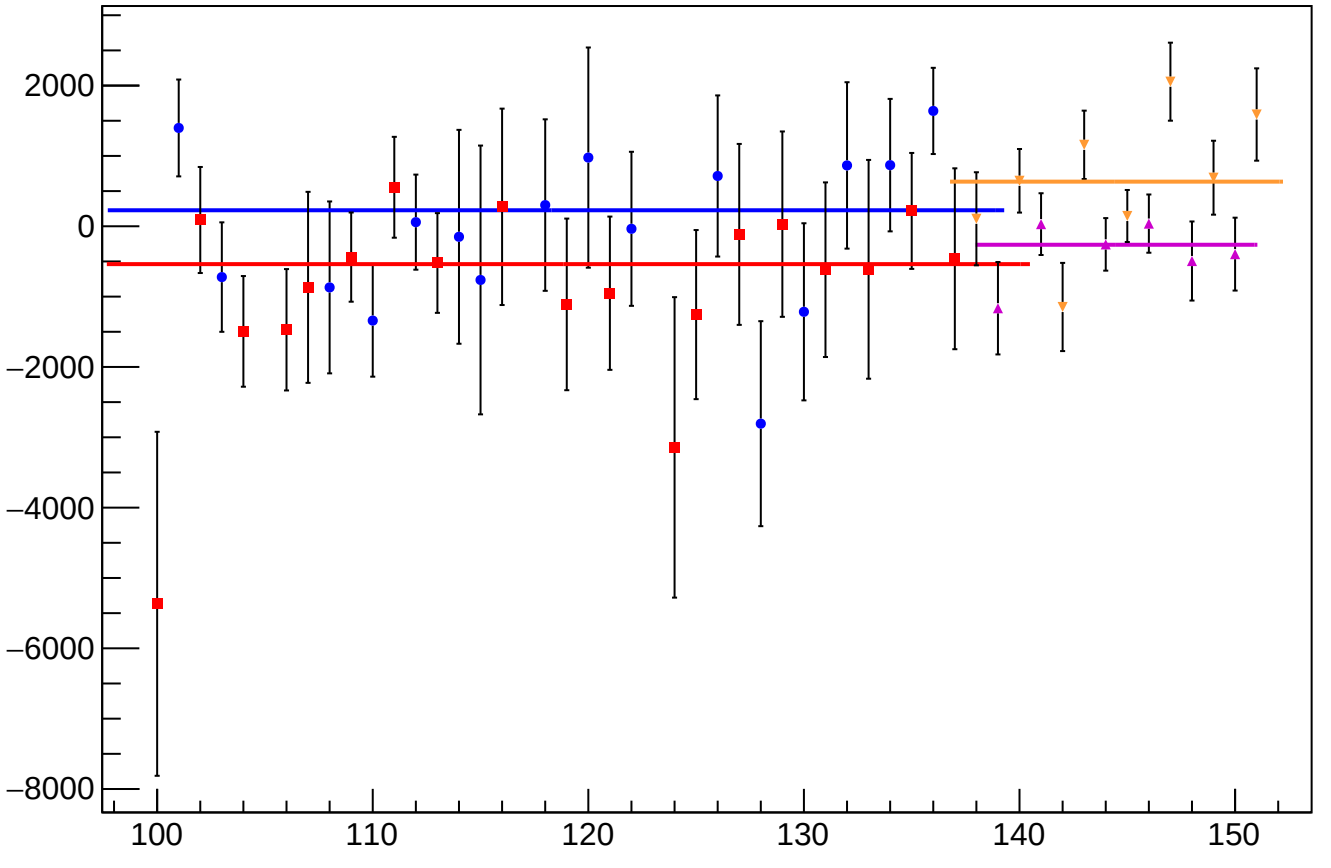
Left: 47.011+/-0.010 χ^2/NDF: 378976.4/13

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.180+/-0.010 χ^2/NDF:743488.2/21

Out: 52.446+/-0.010 χ^2/NDF:795404.6/26

All: 51.825+/-0.007 χ^2/NDF: 1546389.0/48



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 634.515+/-181.163 χ^2/NDF:20.3/7

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -262.896+/-191.035 χ^2/NDF:3.1/5

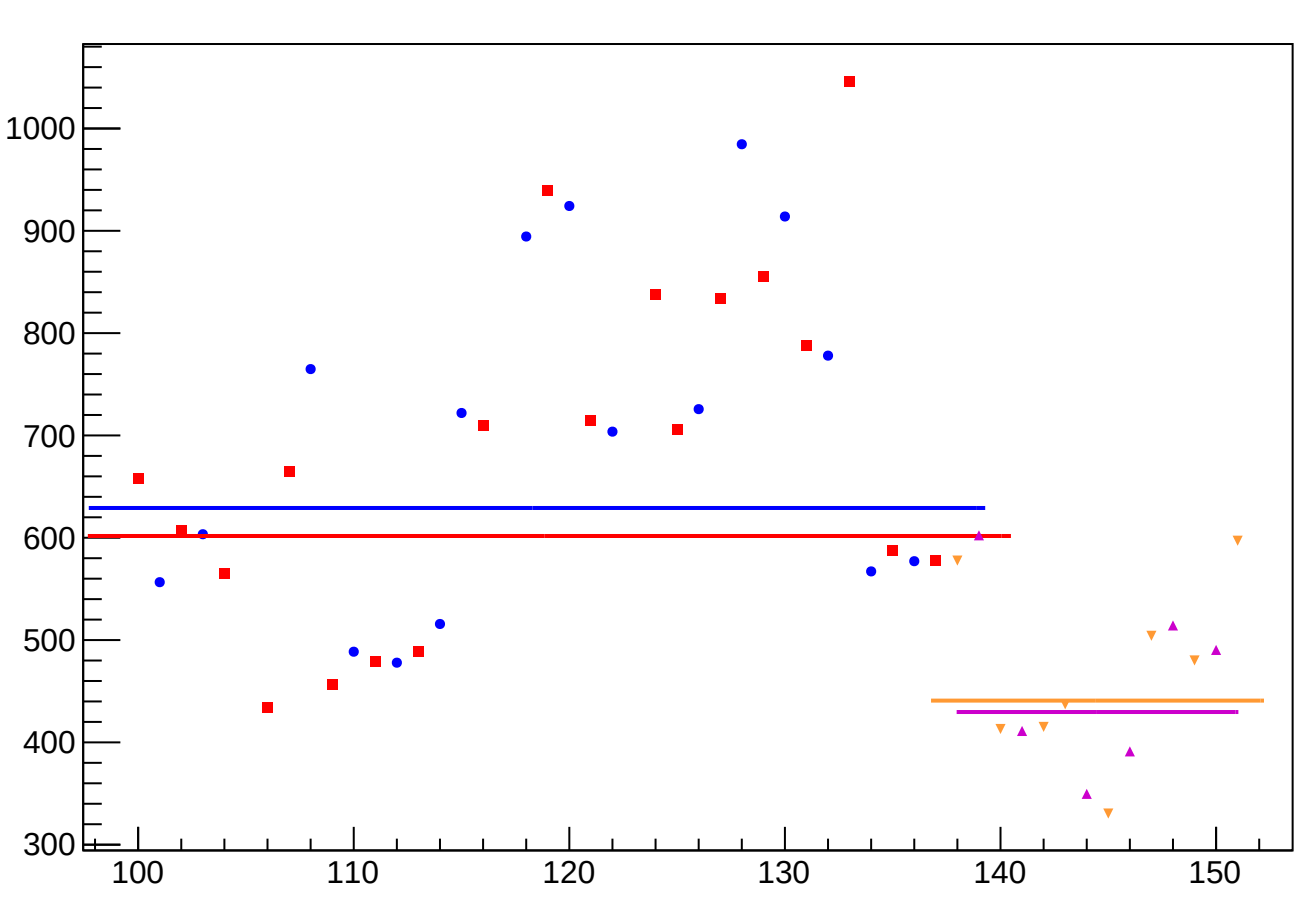
Left: 209.594+/-131.453 χ^2/NDF: 35.0/13

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -73.865+/-149.761 χ^2/NDF:27.3/21

Out: 182.530+/-142.020 χ^2/NDF:49.8/26

All: 61.130+/-103.051 χ^2/NDF: 78.6/48



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 440.826+/-0.128 χ^2/NDF:425540.8/7

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 429.673+/-0.135 χ^2/NDF:323510.1/5

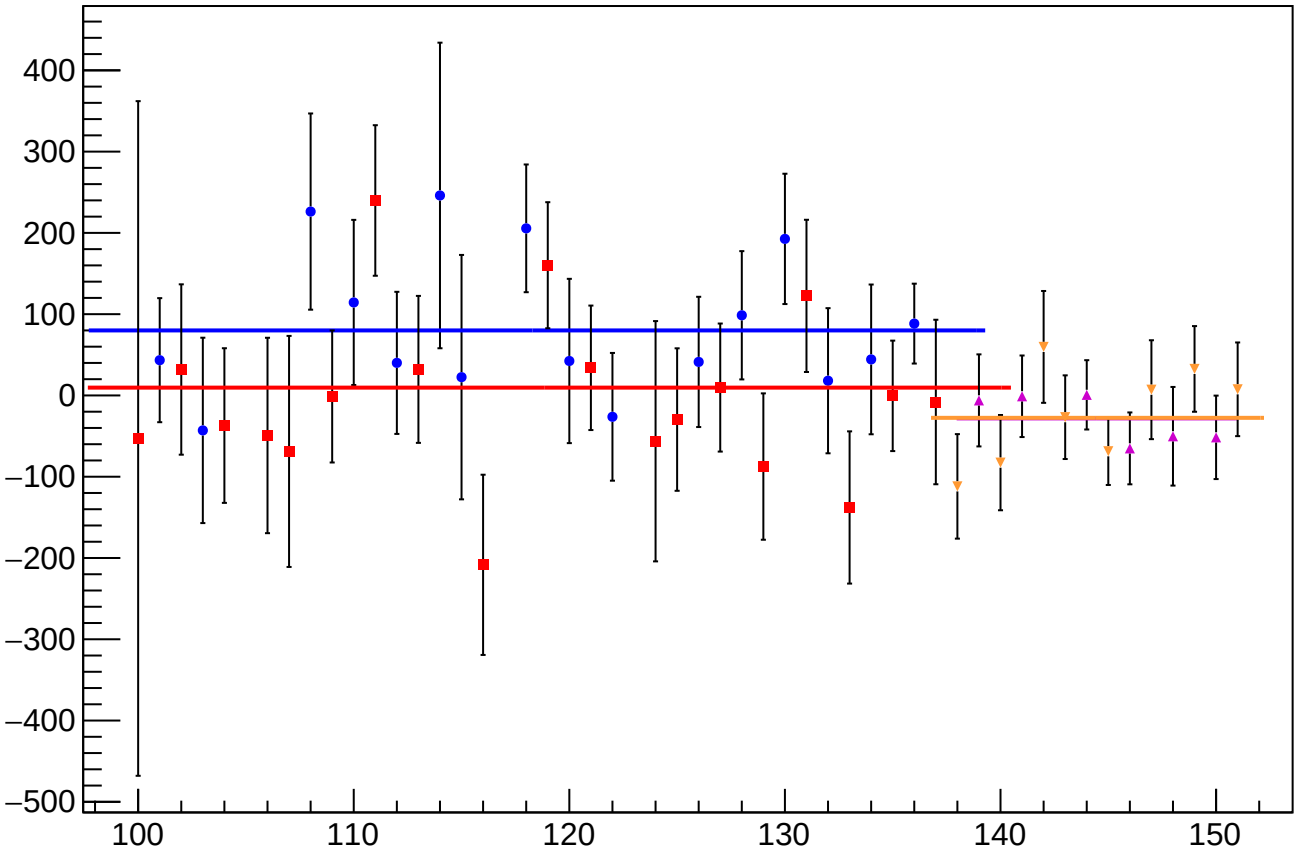
Left: 435.545+/-0.093 χ^2/NDF: 752640.5/13

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 506.538+/-0.106 χ^2/NDF:1856310.8/21

Out: 502.842+/-0.100 χ^2/NDF:1907626.3/26

All: 504.592+/-0.073 χ^2/NDF: 3764578.3/48



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -27.558+/-19.485 χ^2/NDF:7.2/7

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -28.252+/-20.322 χ^2/NDF:1.9/5

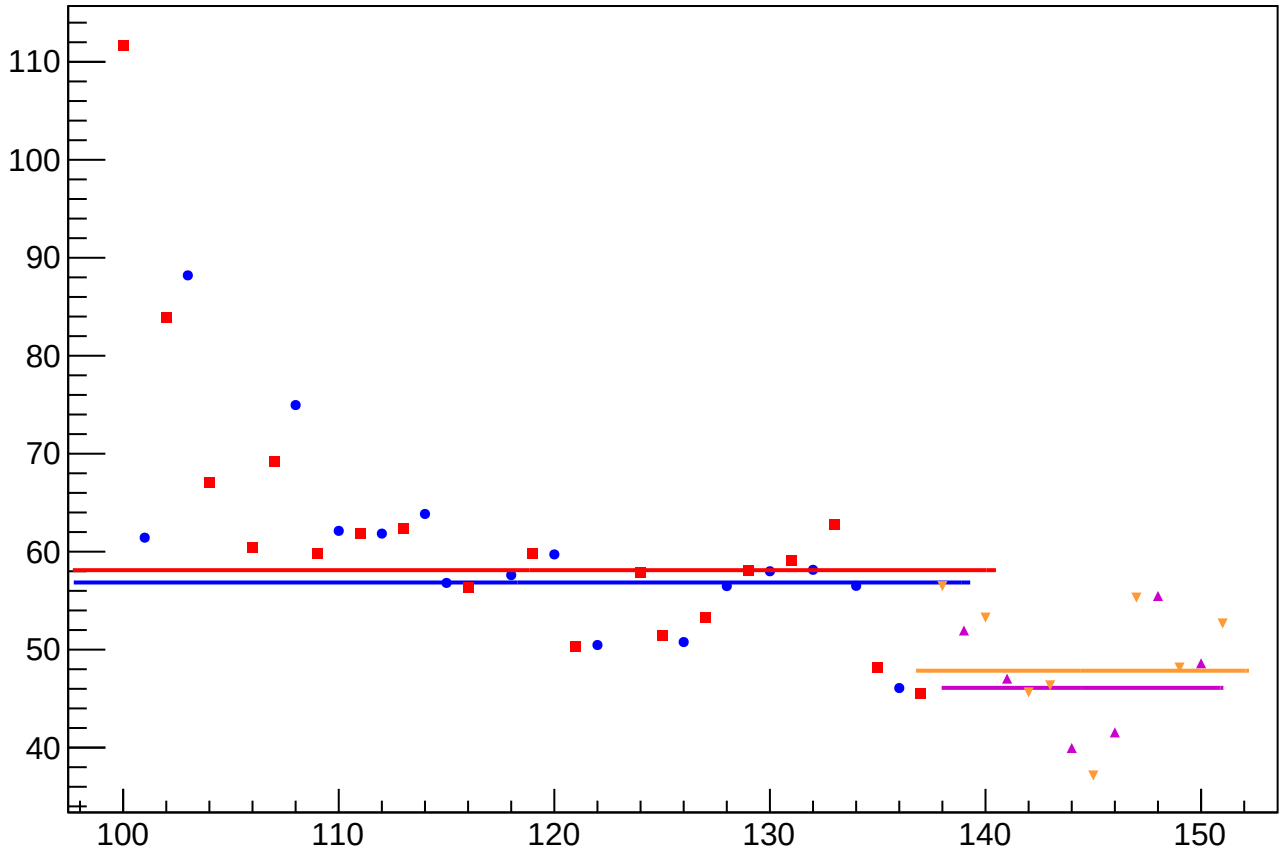
Left: -27.890+/-14.064 χ^2/NDF: 9.1/13

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 22.889+/-14.760 χ^2/NDF:26.9/21

Out: -10.905+/-14.477 χ^2/NDF:29.2/26

All: 5.665+/-10.336 χ^2/NDF: 58.8/48



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.850+/-0.014 χ^2/NDF:234016.1/7

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.099+/-0.014 χ^2/NDF:137229.2/5

Left: 47.011+/-0.010 χ^2/NDF: 378976.4/13

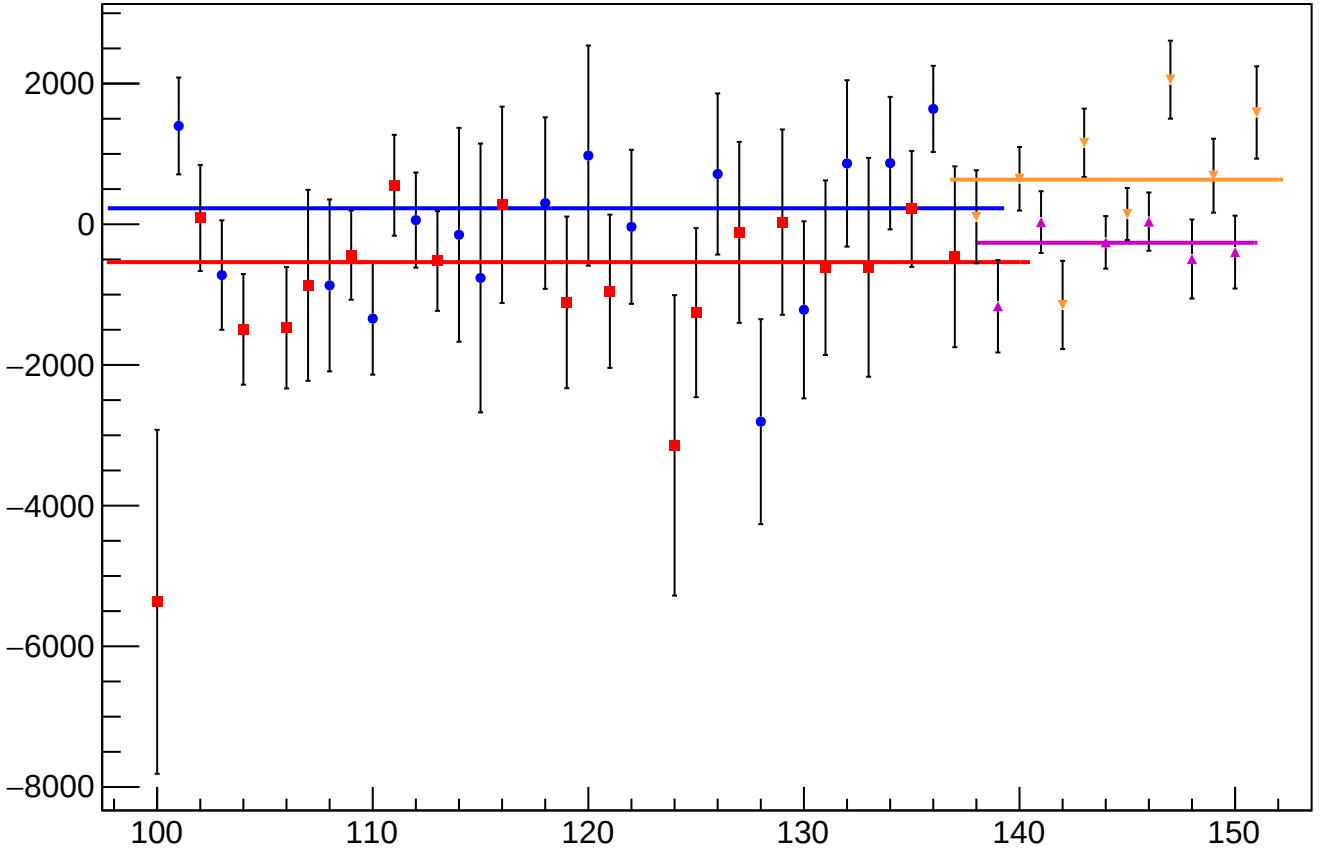
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.180+/-0.010 χ^2/NDF:743488.2/21

Out: 52.446+/-0.010 χ^2/NDF:795404.6/26

All: 51.825+/-0.007 χ^2/NDF: 1546389.0/48

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: 634.515+/-181.163 χ^2/NDF:20.3/7

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -262.896+/-191.035 χ^2/NDF:3.1/5

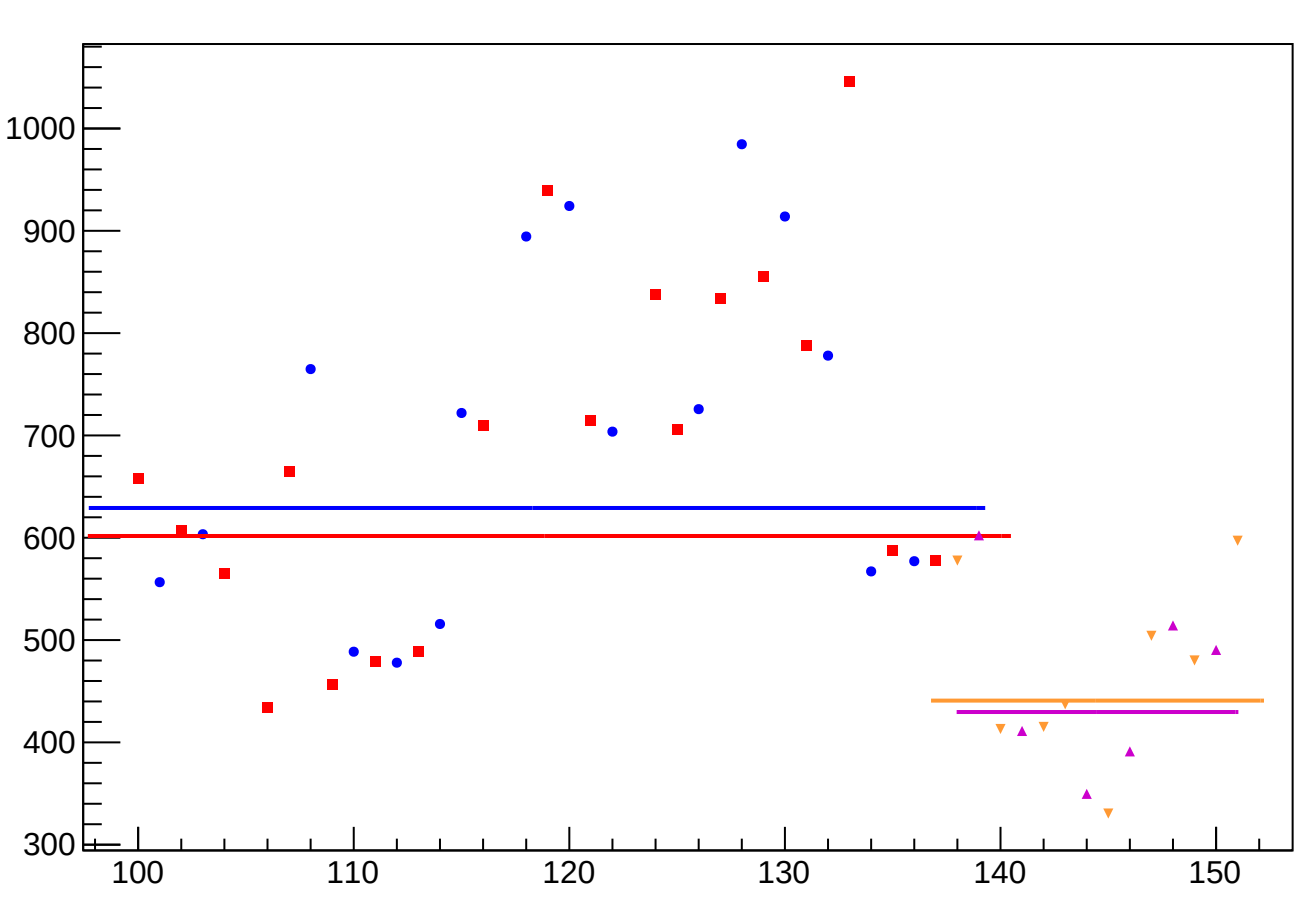
Left: 209.594+/-131.453 χ^2/NDF: 35.0/13

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -73.865+/-149.761 χ^2/NDF:27.3/21

Out: 182.530+/-142.020 χ^2/NDF:49.8/26

All: 61.130+/-103.051 χ^2/NDF: 78.6/48



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 440.826+/-0.128 χ^2/NDF:425540.8/7

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 429.673+/-0.135 χ^2/NDF:323510.1/5

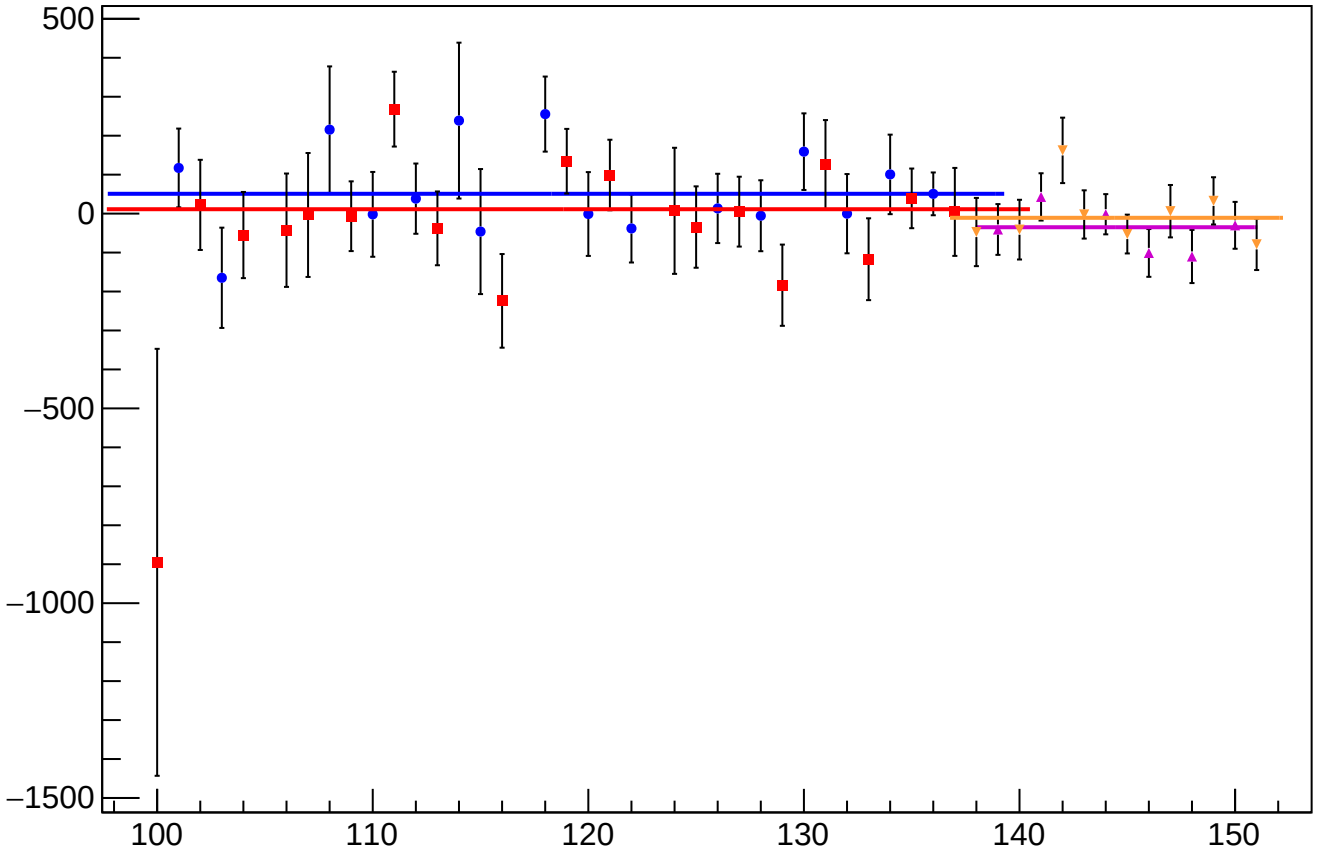
Left: 435.545+/-0.093 χ^2/NDF: 752640.5/13

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 506.538+/-0.106 χ^2/NDF:1856310.8/21

Out: 502.842+/-0.100 χ^2/NDF:1907626.3/26

All: 504.592+/-0.073 χ^2/NDF: 3764578.3/48



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.788+/-23.383 χ^2/NDF:6.9/7

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -34.988+/-24.697 χ^2/NDF:4.4/5

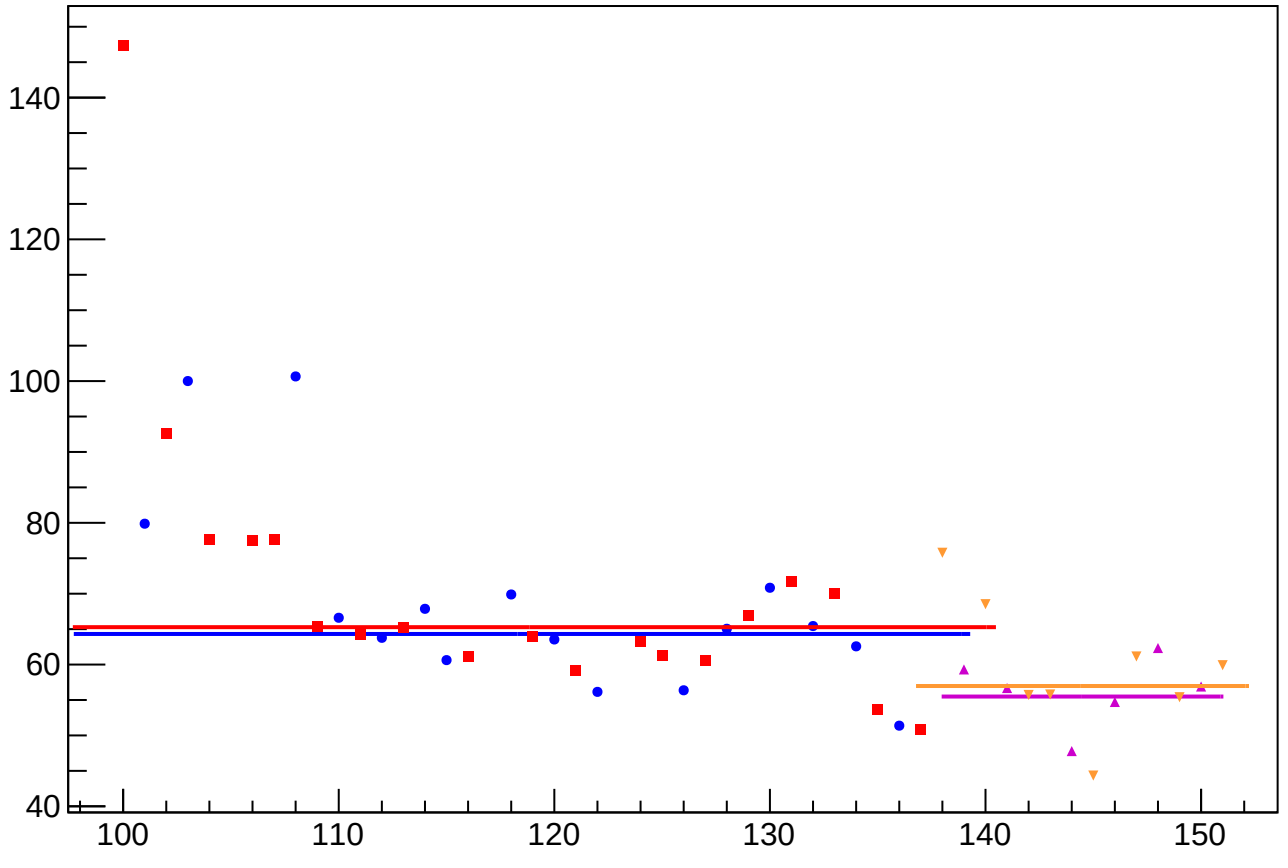
Left: -22.228+/-16.980 χ^2/NDF: 11.9/13

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 8.293+/-17.390 χ^2/NDF:24.3/21

Out: -0.198+/-16.857 χ^2/NDF:31.4/26

All: 3.915+/-12.104 χ^2/NDF: 55.8/48



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.973+/-0.017 χ^2/NDF:280496.0/7

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.487+/-0.017 χ^2/NDF:73723.0/5

Left: 56.270+/-0.012 χ^2/NDF: 358035.7/13

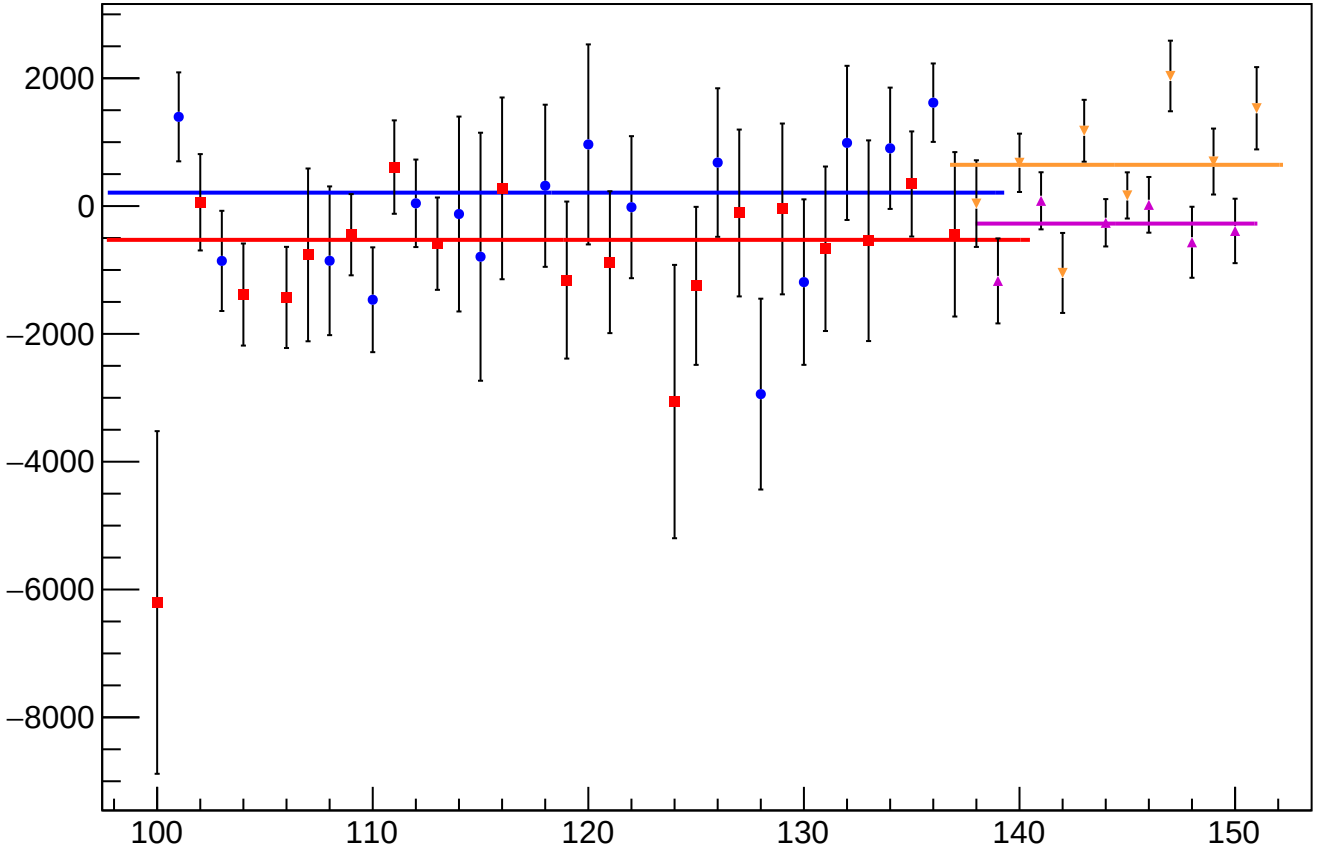
Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.939+/-0.012 χ^2/NDF:667569.2/21

Out: 60.961+/-0.012 χ^2/NDF:720794.0/26

All: 60.466+/-0.009 χ^2/NDF: 1391929.1/48

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 645.455+/-179.911 χ^2/NDF:19.3/7

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -274.265+/-192.478 χ^2/NDF:3.2/5

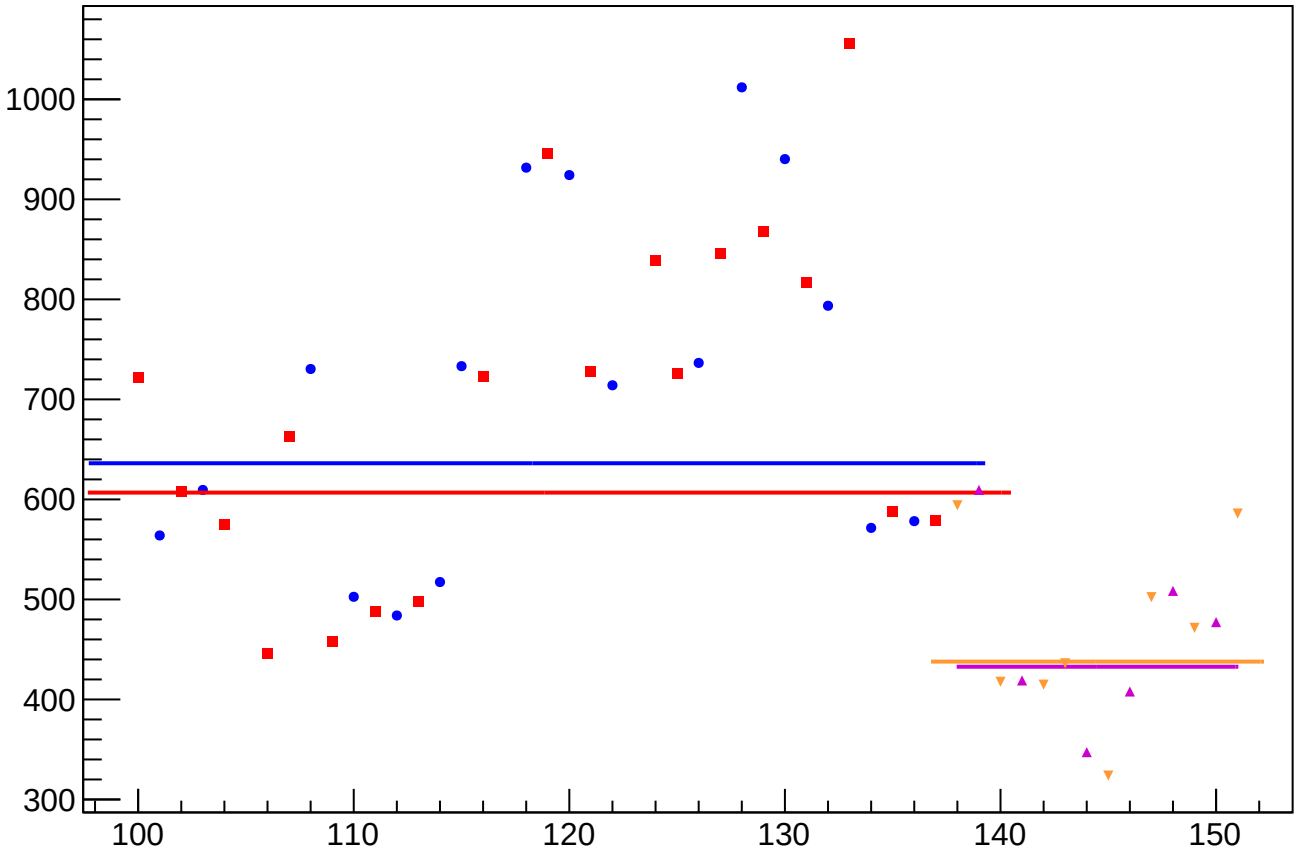
Left: 216.598+/-131.435 χ^2/NDF: 34.7/13

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -88.313+/-151.071 χ^2/NDF:28.1/21

Out: 198.979+/-141.632 χ^2/NDF:49.3/26

All: 64.588+/-103.325 χ^2/NDF: 79.4/48



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 437.842+/-0.127 χ^2/NDF:453148.0/7

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 432.712+/-0.136 χ^2/NDF:308860.9/5

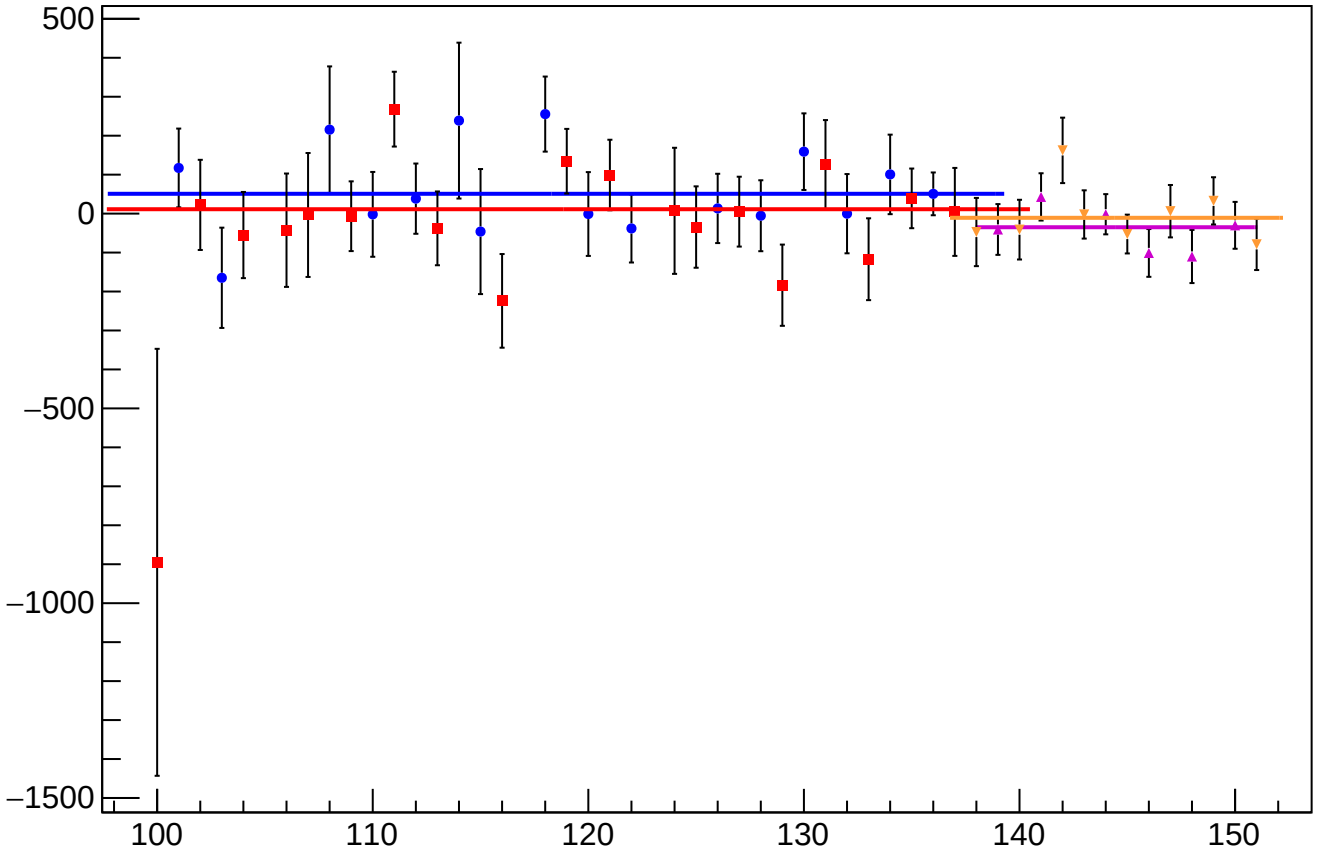
Left: 435.450+/-0.093 χ^2/NDF: 762767.0/13

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 510.825+/-0.107 χ^2/NDF:1871940.3/21

Out: 502.091+/-0.100 χ^2/NDF:2017789.5/26

All: 506.177+/-0.073 χ^2/NDF: 3893287.4/48



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.788+/-23.383 χ^2/NDF:6.9/7

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -34.988+/-24.697 χ^2/NDF:4.4/5

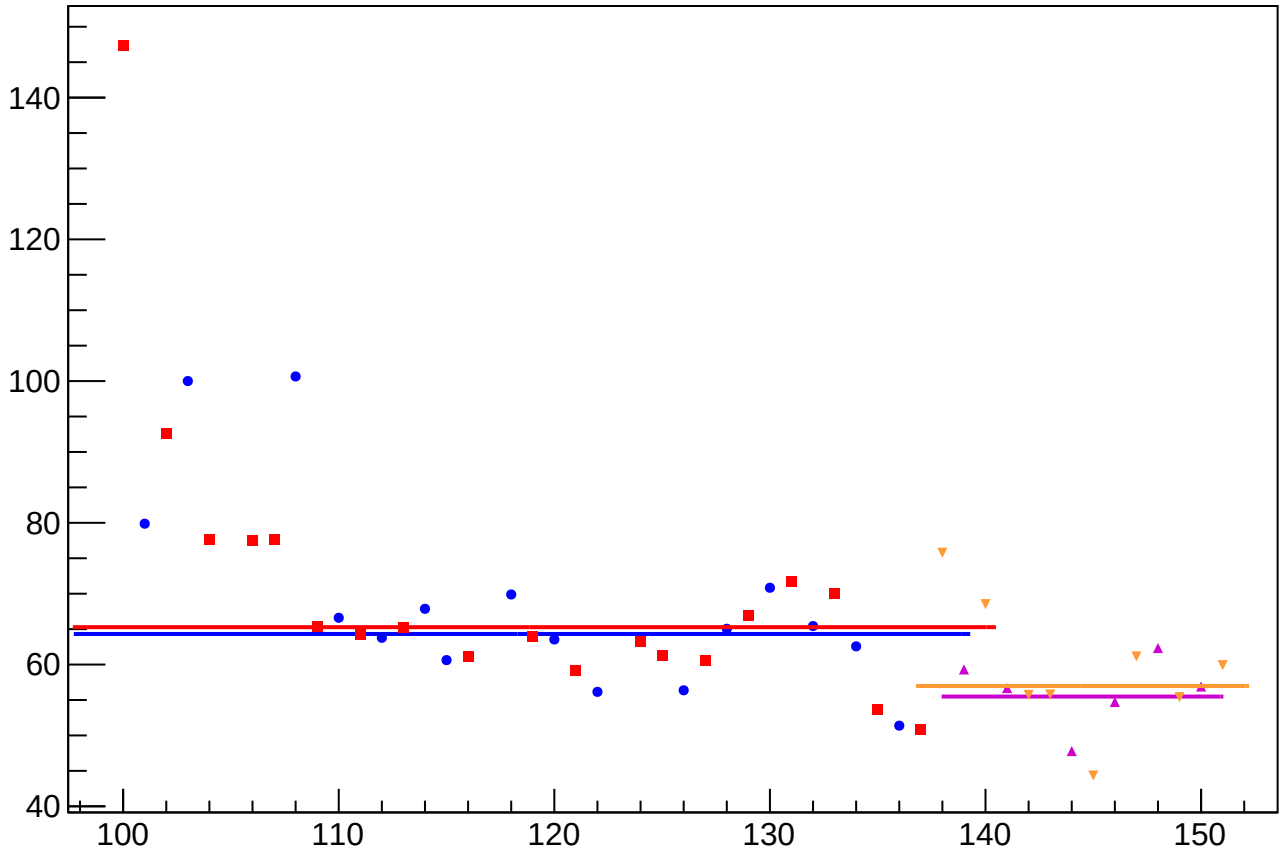
Left: -22.227+/-16.980 χ^2/NDF: 11.9/13

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 8.292+/-17.390 χ^2/NDF:24.3/21

Out: -0.198+/-16.857 χ^2/NDF:31.4/26

All: 3.915+/-12.104 χ^2/NDF: 55.8/48



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.973+/-0.017 χ^2/NDF:280482.4/7

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.487+/-0.017 χ^2/NDF:73718.1/5

Left: 56.270+/-0.012 χ^2/NDF: 358017.7/13

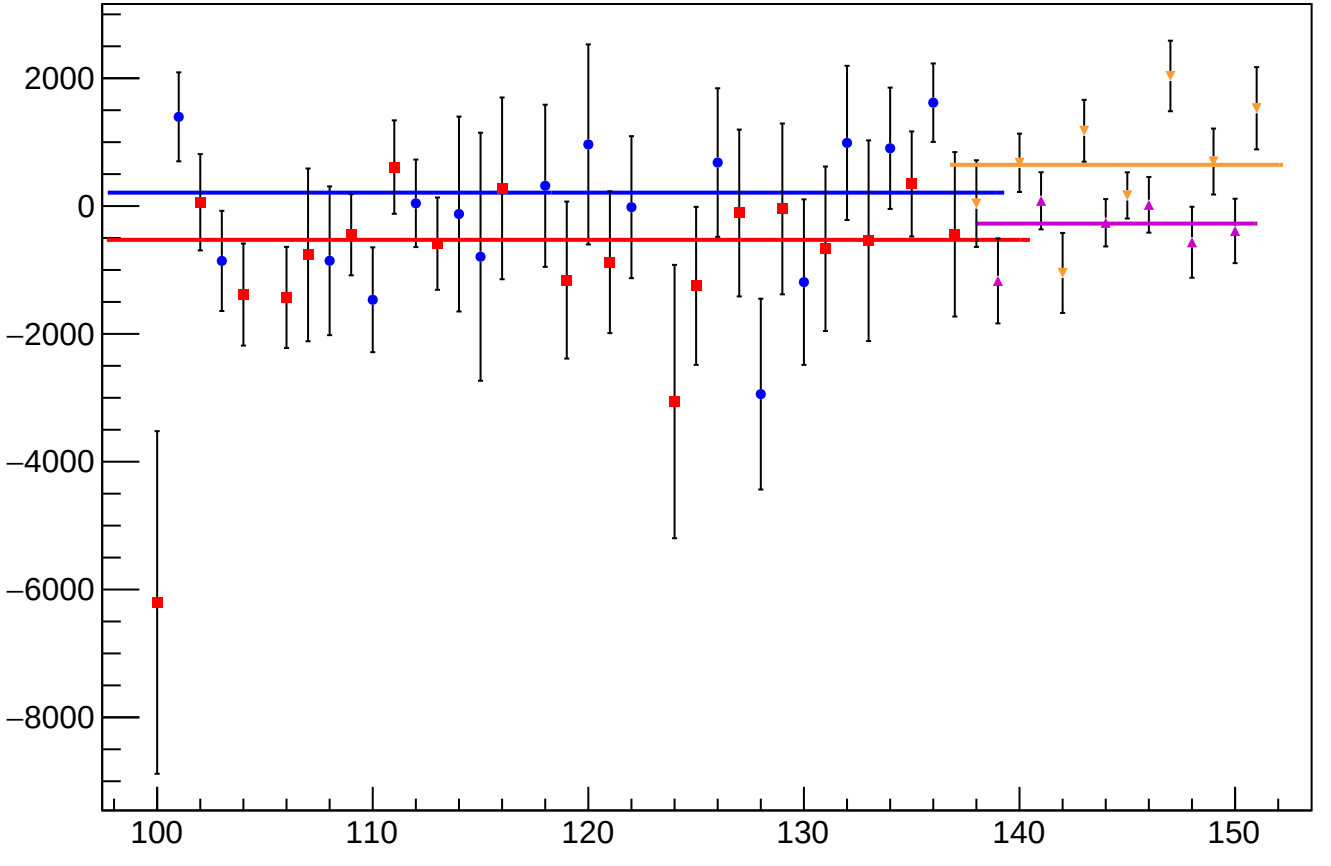
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.939+/-0.012 χ^2/NDF:667559.5/21

Out: 60.961+/-0.012 χ^2/NDF:720776.0/26

All: 60.466+/-0.009 χ^2/NDF: 1391901.7/48

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 645.454+/-179.911 χ^2/NDF:19.3/7

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -274.265+/-192.478 χ^2/NDF:3.2/5

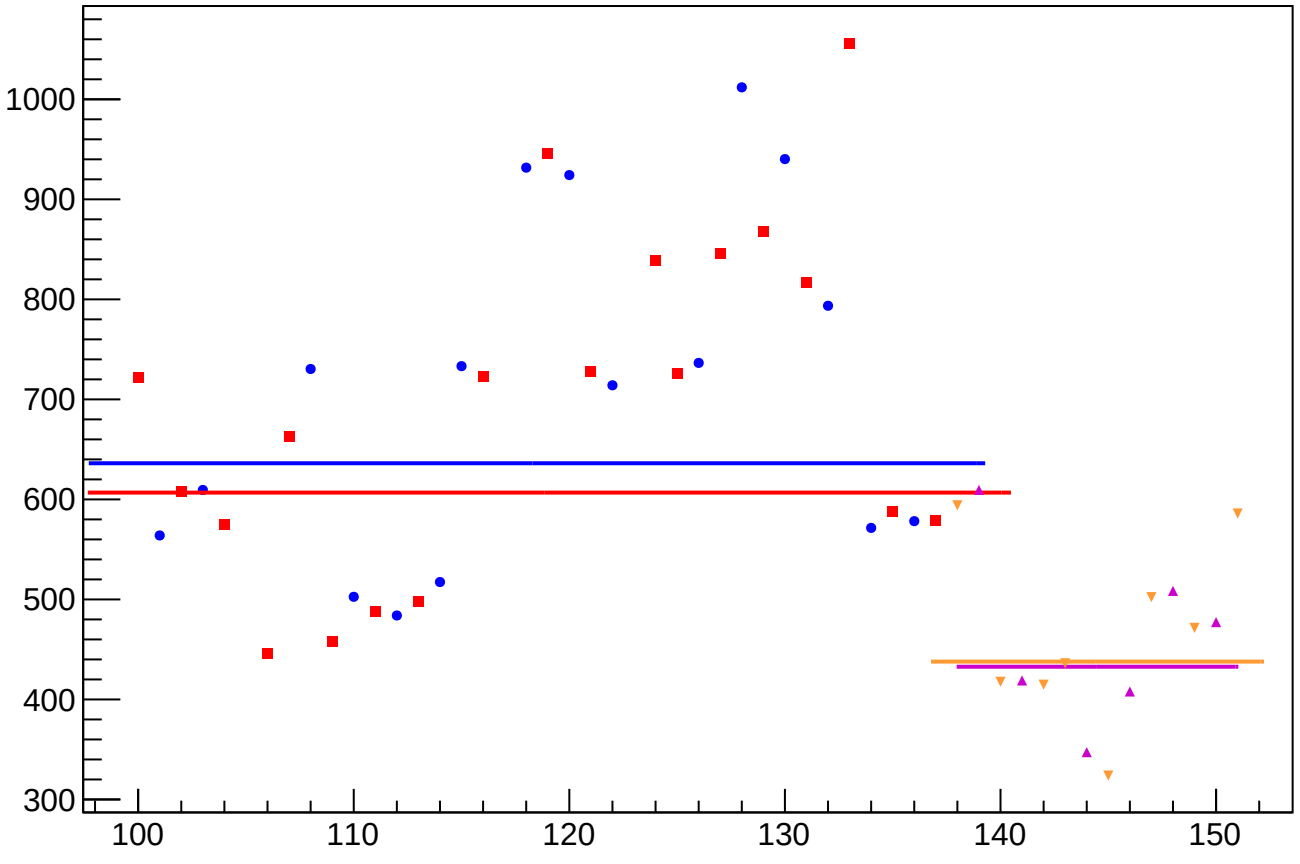
Left: 216.598+/-131.435 χ^2/NDF: 34.7/13

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -88.313+/-151.071 χ^2/NDF:28.1/21

Out: 198.979+/-141.632 χ^2/NDF:49.3/26

All: 64.588+/-103.325 χ^2/NDF: 79.4/48



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 437.841+/-0.127 χ^2/NDF:453153.1/7

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 432.712+/-0.136 χ^2/NDF:308862.2/5

Left: 435.449+/-0.093 χ^2/NDF: 762773.4/13

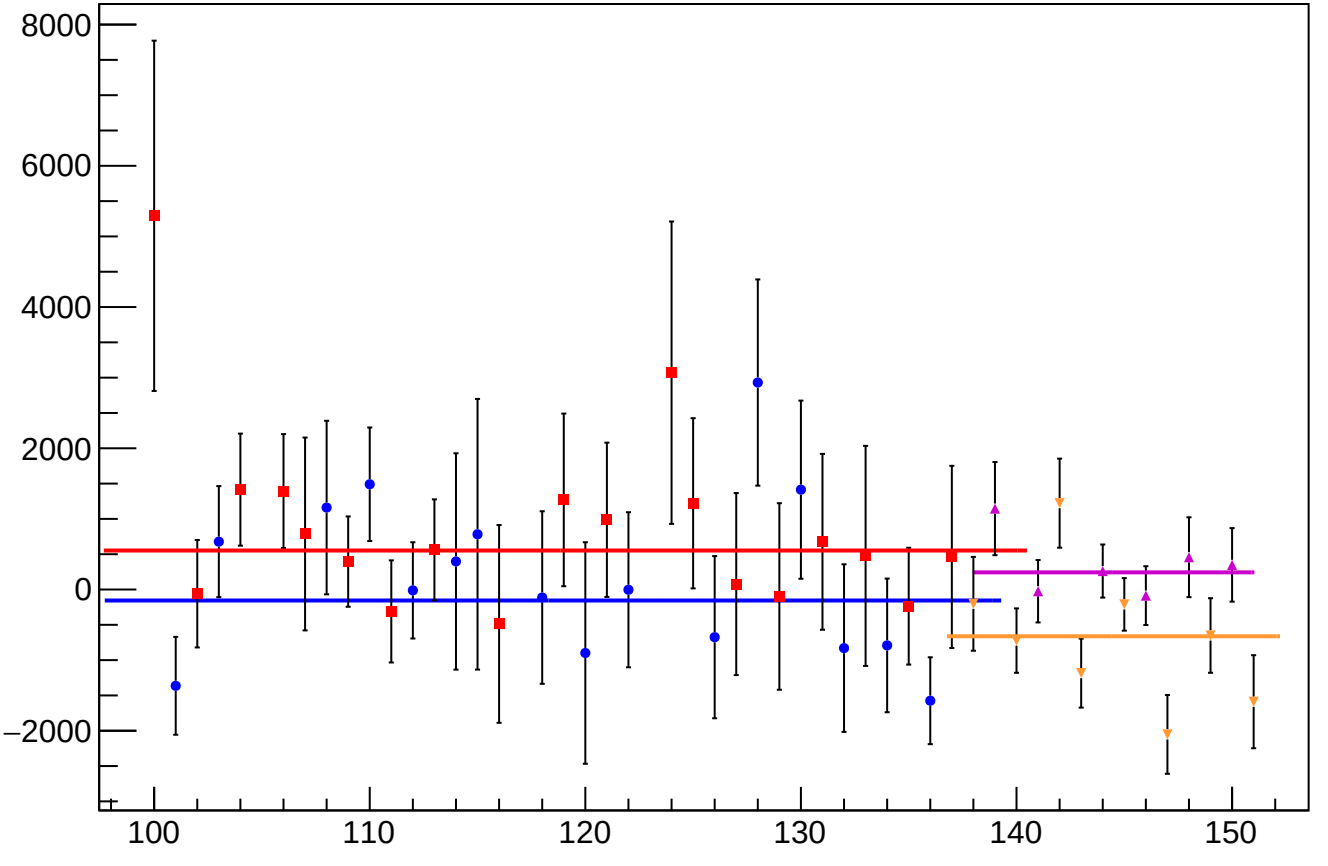
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 510.825+/-0.107 χ^2/NDF:1871945.6/21

Out: 502.090+/-0.100 χ^2/NDF:2017801.1/26

All: 506.176+/-0.073 χ^2/NDF: 3893304.5/48

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -662.112+/-182.281 χ^2/NDF:20.2/7

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 242.855+/-192.174 χ^2/NDF:3.1/5

Left: -233.520+/-132.252 χ^2/NDF: 34.9/13

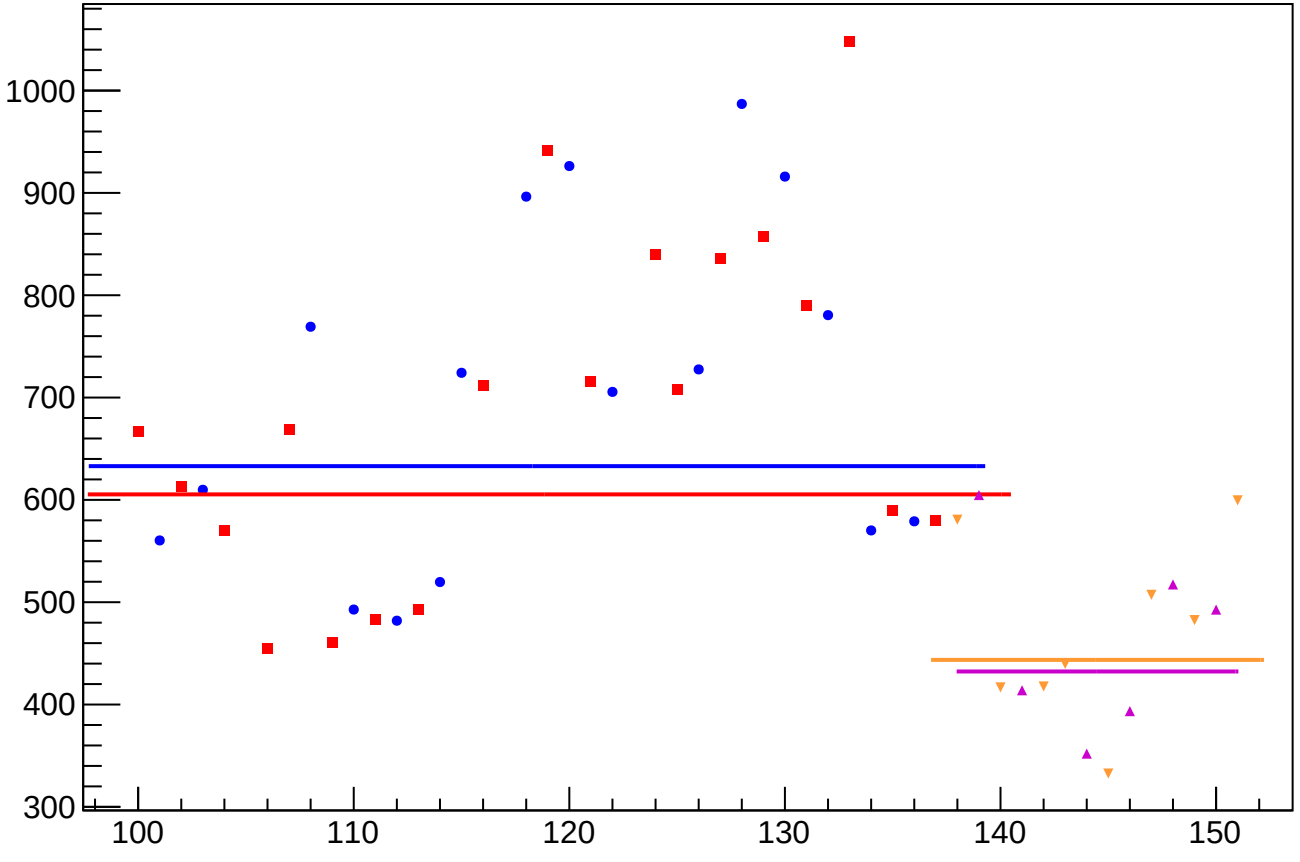
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 89.204+/-150.637 χ^2/NDF:27.2/21

Out: -190.868+/-142.590 χ^2/NDF:49.6/26

All: -58.513+/-103.554 χ^2/NDF: 78.6/48

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 443.626+/-0.129 χ^2/NDF:422425.4/7

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 432.302+/-0.136 χ^2/NDF:320899.7/5

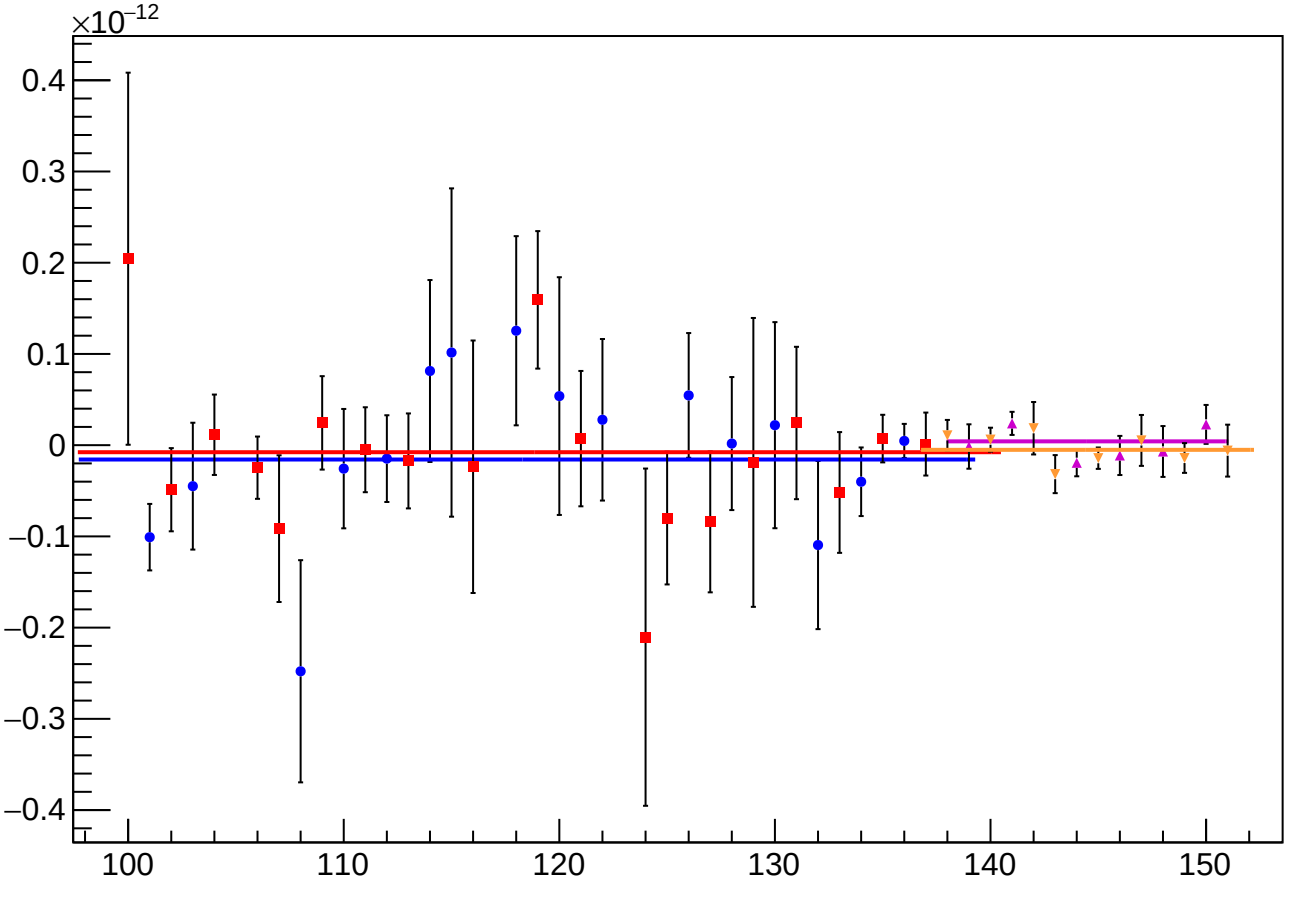
Left: 438.263+/-0.094 χ^2/NDF: 746981.0/13

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 509.672+/-0.107 χ^2/NDF:1842813.8/21

Out: 506.398+/-0.101 χ^2/NDF:1887558.9/26

All: 507.945+/-0.073 χ^2/NDF: 3730871.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/5

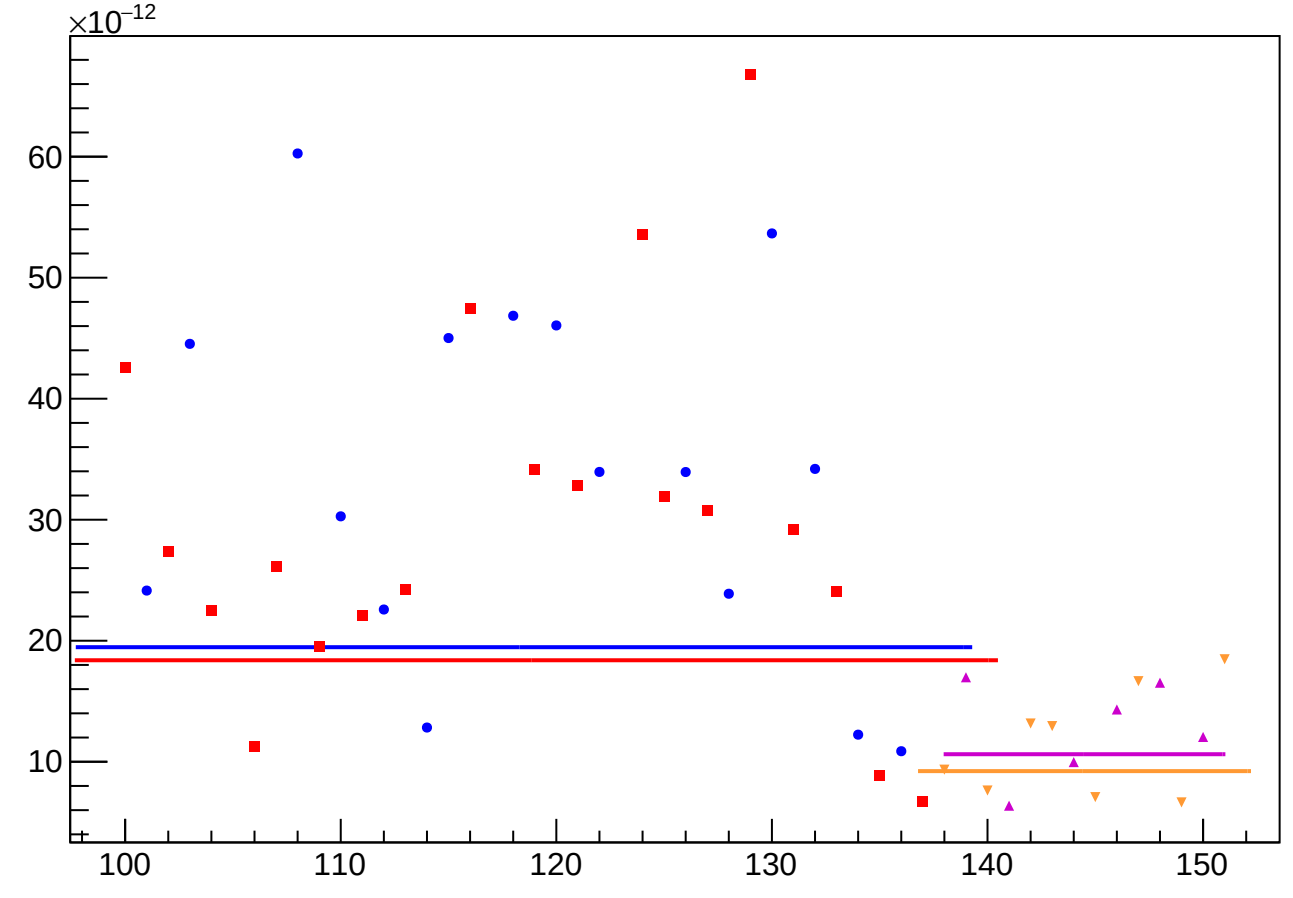
Left: -0.000+/-0.000 χ^2/NDF: 12.3/13

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:25.2/21

Out: -0.000+/-0.000 χ^2/NDF:18.0/26

All: -0.000+/-0.000 χ^2/NDF: 43.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:601469.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:524733.1/5

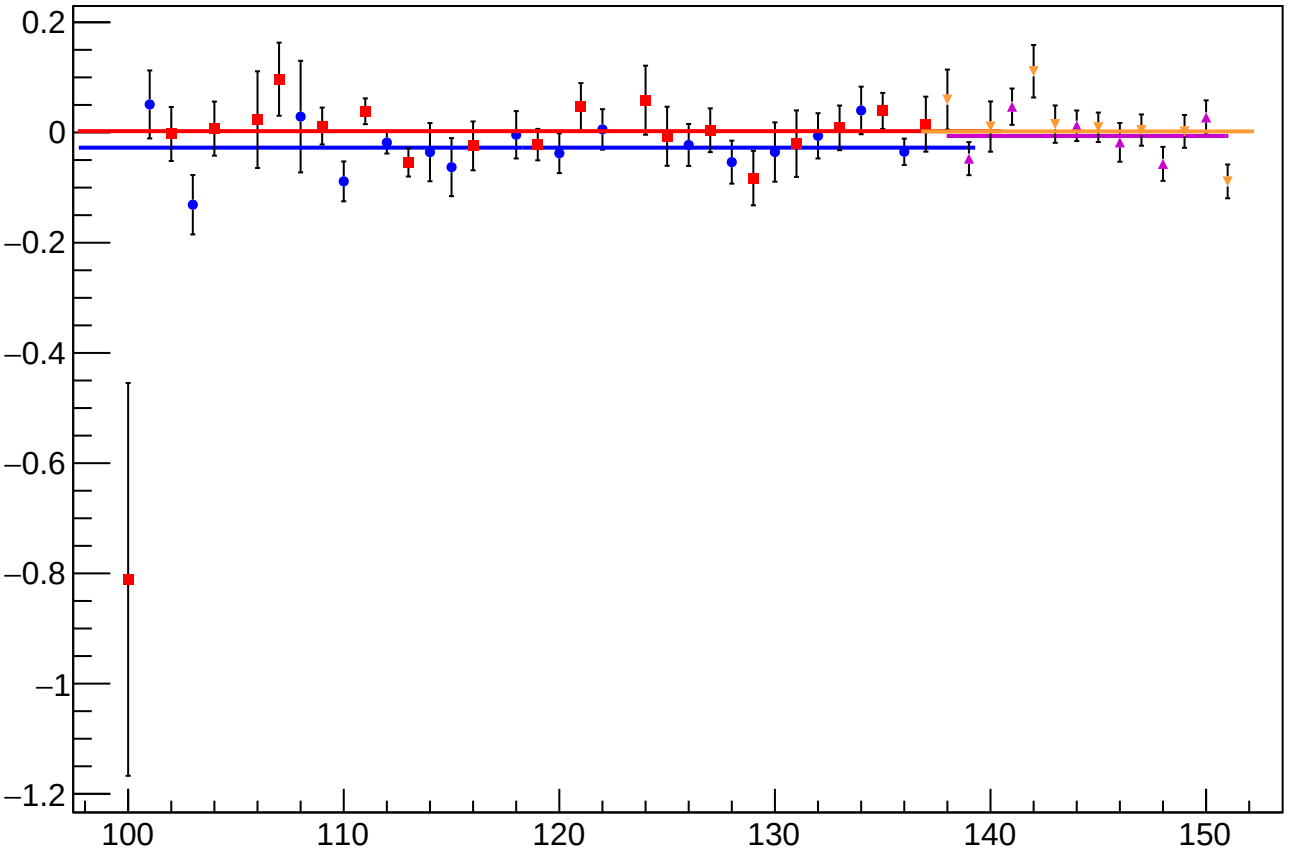
Left: 0.000+/-0.000 χ^2/NDF: 1168160.1/13

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:2991026.6/21

Out: 0.000+/-0.000 χ^2/NDF:2949700.7/26

All: 0.000+/-0.000 χ^2/NDF: 6032382.2/48



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.006+/-0.013 χ^2/NDF:8.9/5

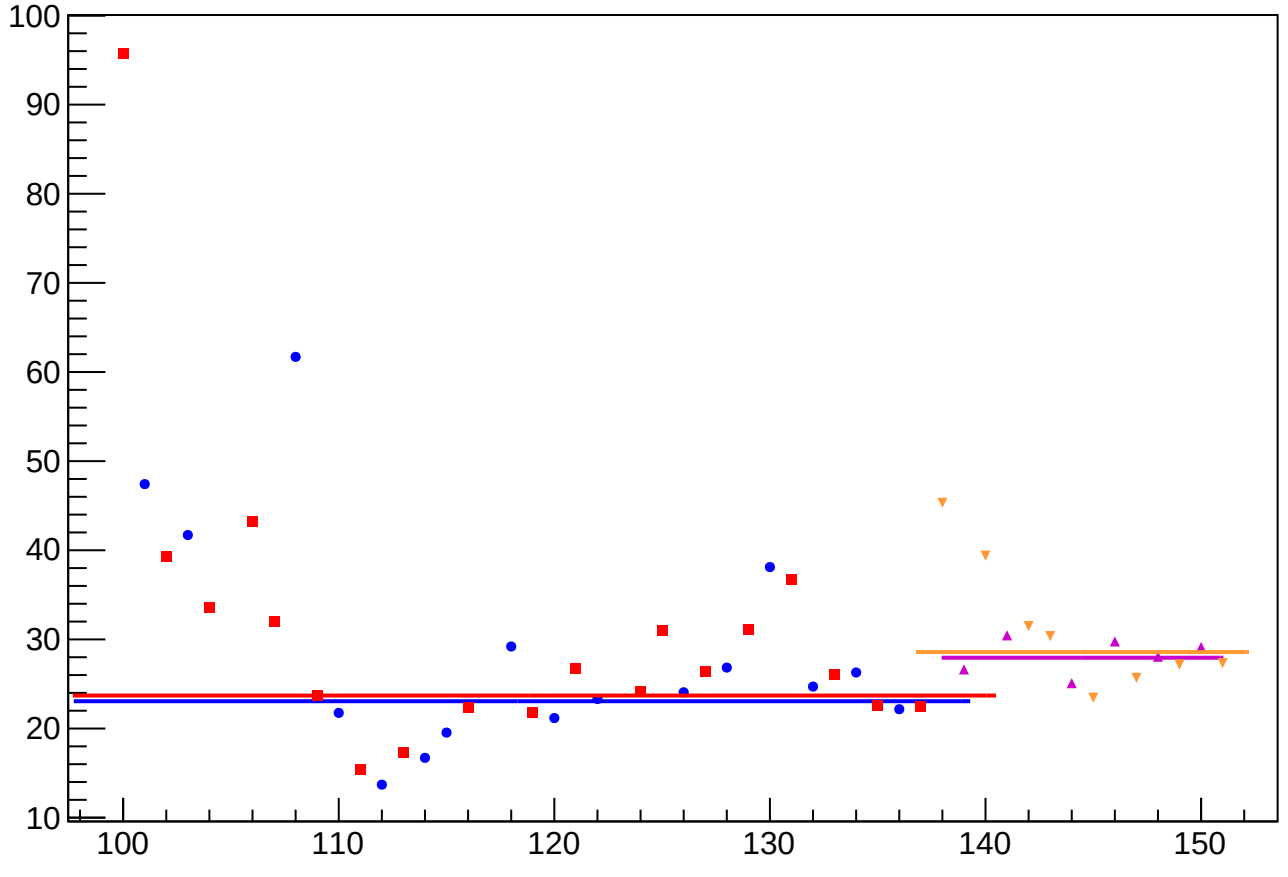
Left: -0.002+/-0.009 χ^2/NDF: 24.6/13

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.020+/-0.008 χ^2/NDF:24.4/21

Out: 0.002+/-0.007 χ^2/NDF:37.5/26

All: -0.009+/-0.005 χ^2/NDF: 66.4/48



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.581+/-0.008 χ^2/NDF:416379.1/7

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.945+/-0.009 χ^2/NDF:45136.3/5

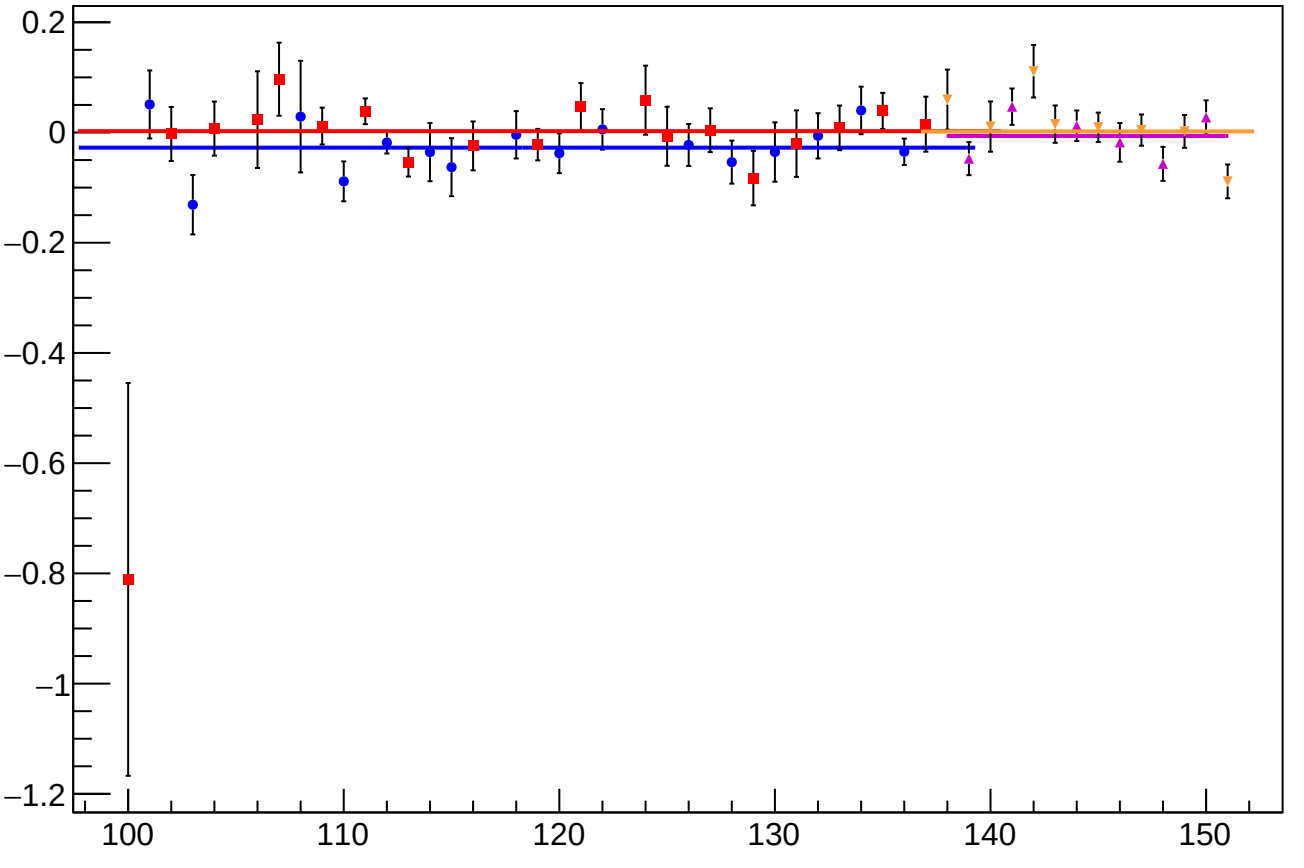
Left: 28.280+/-0.006 χ^2/NDF: 464179.8/13

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.798+/-0.005 χ^2/NDF:1801204.0/21

Out: 25.534+/-0.005 χ^2/NDF:1711922.2/26

All: 25.176+/-0.004 χ^2/NDF: 3522904.3/48



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.006+/-0.013 χ^2/NDF:8.9/5

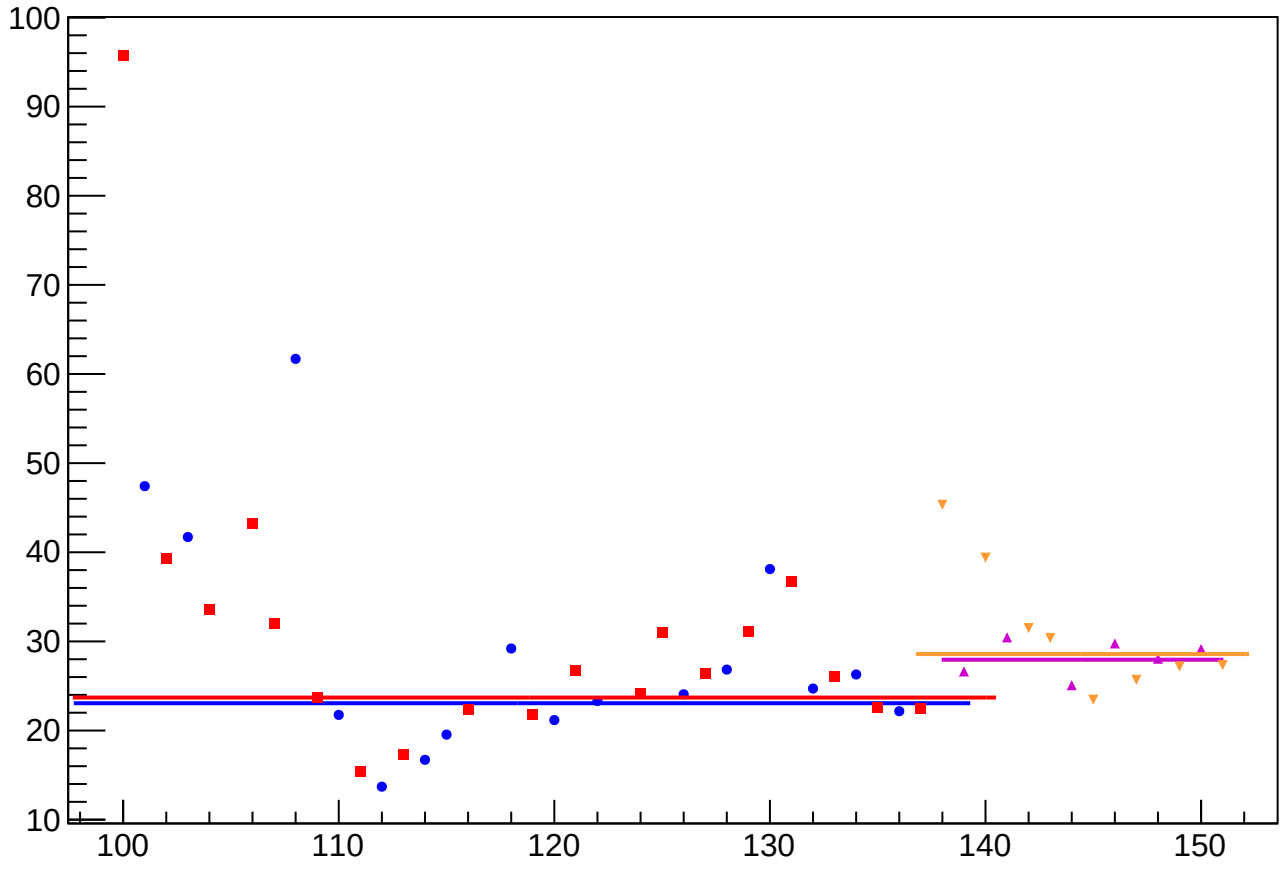
Left: -0.002+/-0.009 χ^2/NDF: 24.6/13

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.020+/-0.008 χ^2/NDF:24.4/21

Out: 0.002+/-0.007 χ^2/NDF:37.5/26

All: -0.009+/-0.005 χ^2/NDF: 66.4/48



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.581+/-0.008 χ^2/NDF:416379.1/7

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.945+/-0.009 χ^2/NDF:45136.3/5

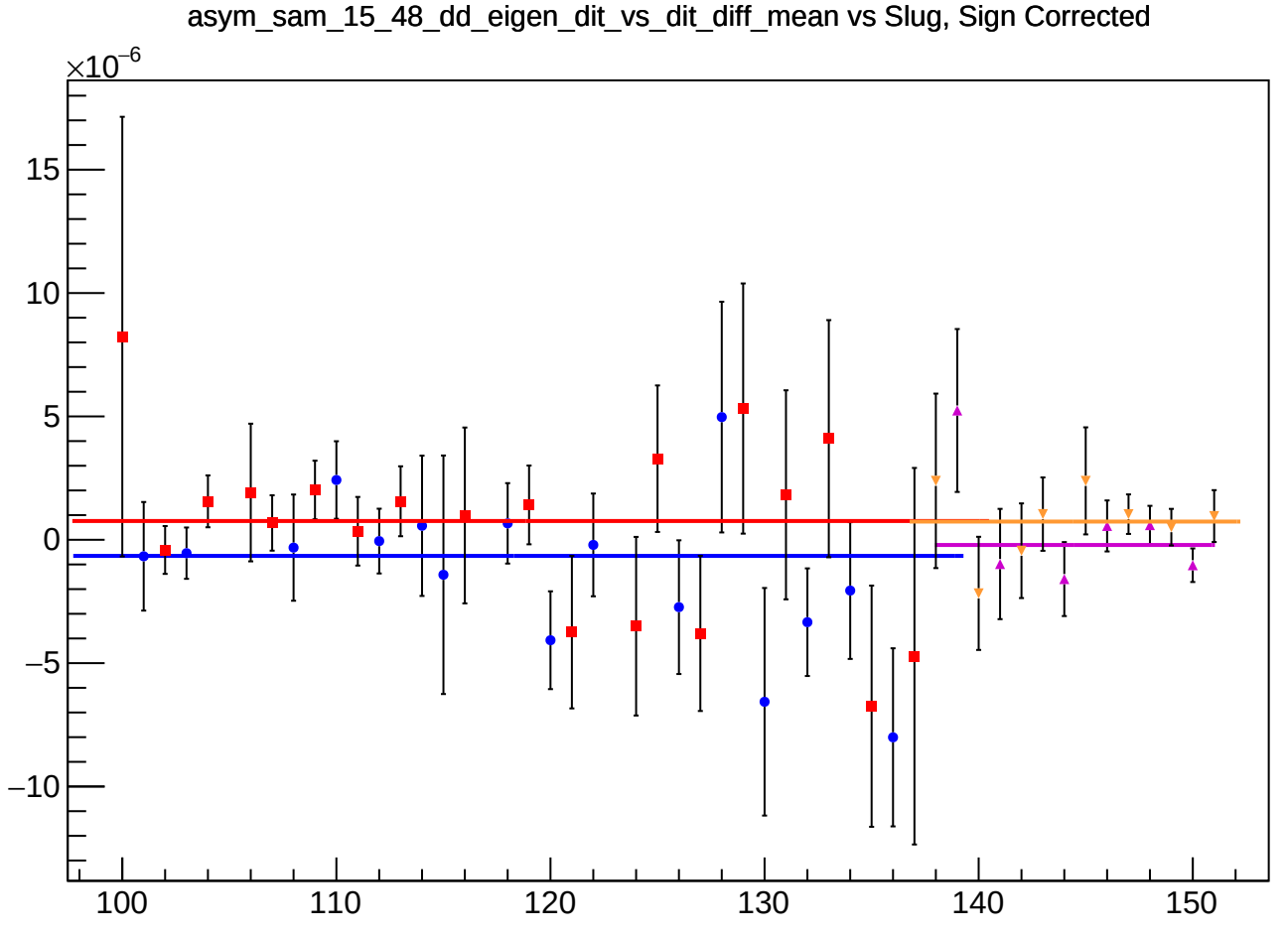
Left: 28.280+/-0.006 χ^2/NDF: 464179.8/13

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.798+/-0.005 χ^2/NDF:1801204.0/21

Out: 25.534+/-0.005 χ^2/NDF:1711922.2/26

All: 25.176+/-0.004 χ^2/NDF: 3522904.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/5

Left: 0.000+/-0.000 χ^2/NDF: 12.3/13

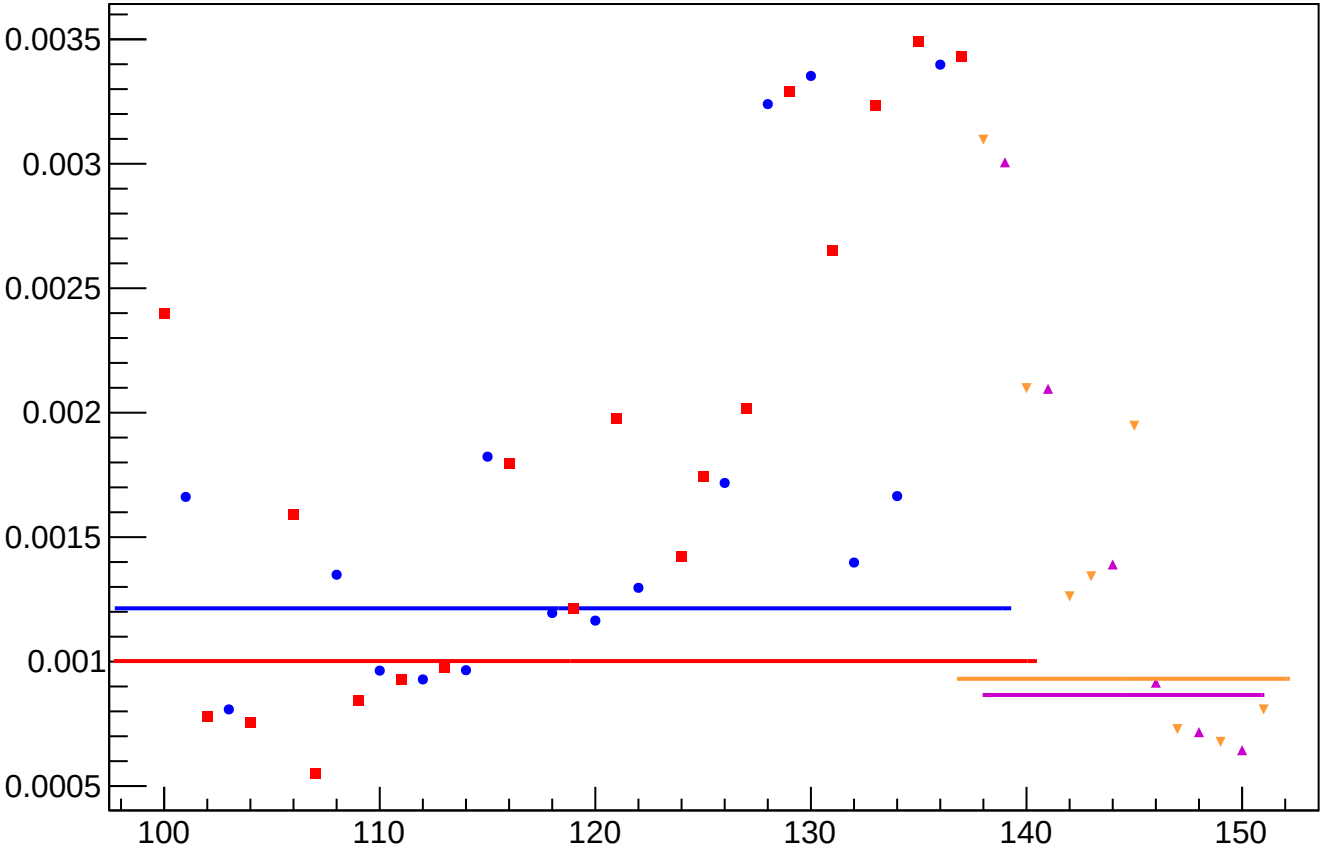
Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:24.8/21

Out: 0.000+/-0.000 χ^2/NDF:18.3/26

All: 0.000+/-0.000 χ^2/NDF: 49.8/48

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2309664.3/7

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1980915.3/5

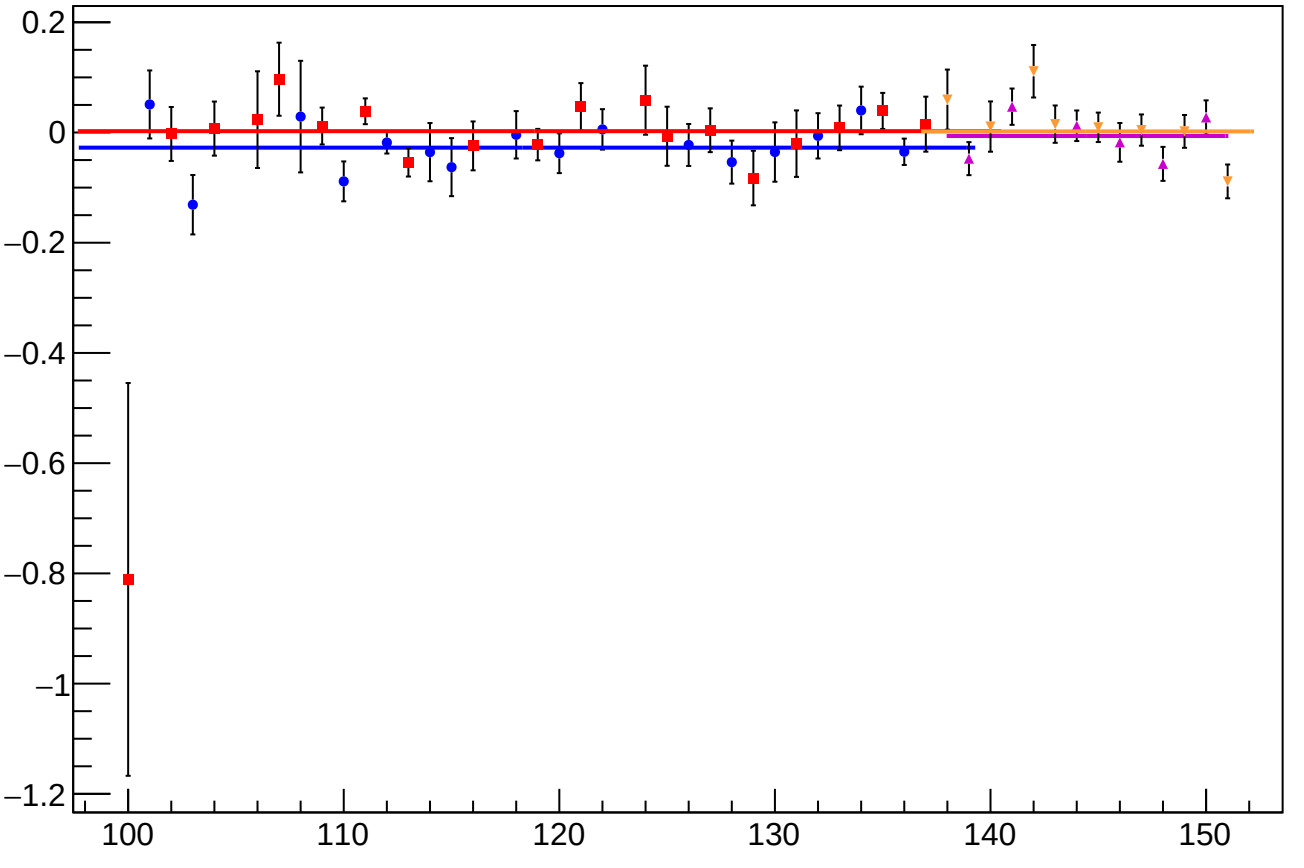
Left: 0.001+/-0.000 χ^2/NDF: 4313783.4/13

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:4809226.0/21

Out: 0.001+/-0.000 χ^2/NDF:5615252.3/26

All: 0.001+/-0.000 χ^2/NDF: 10446138.4/48



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.006+/-0.013 χ^2/NDF:8.9/5

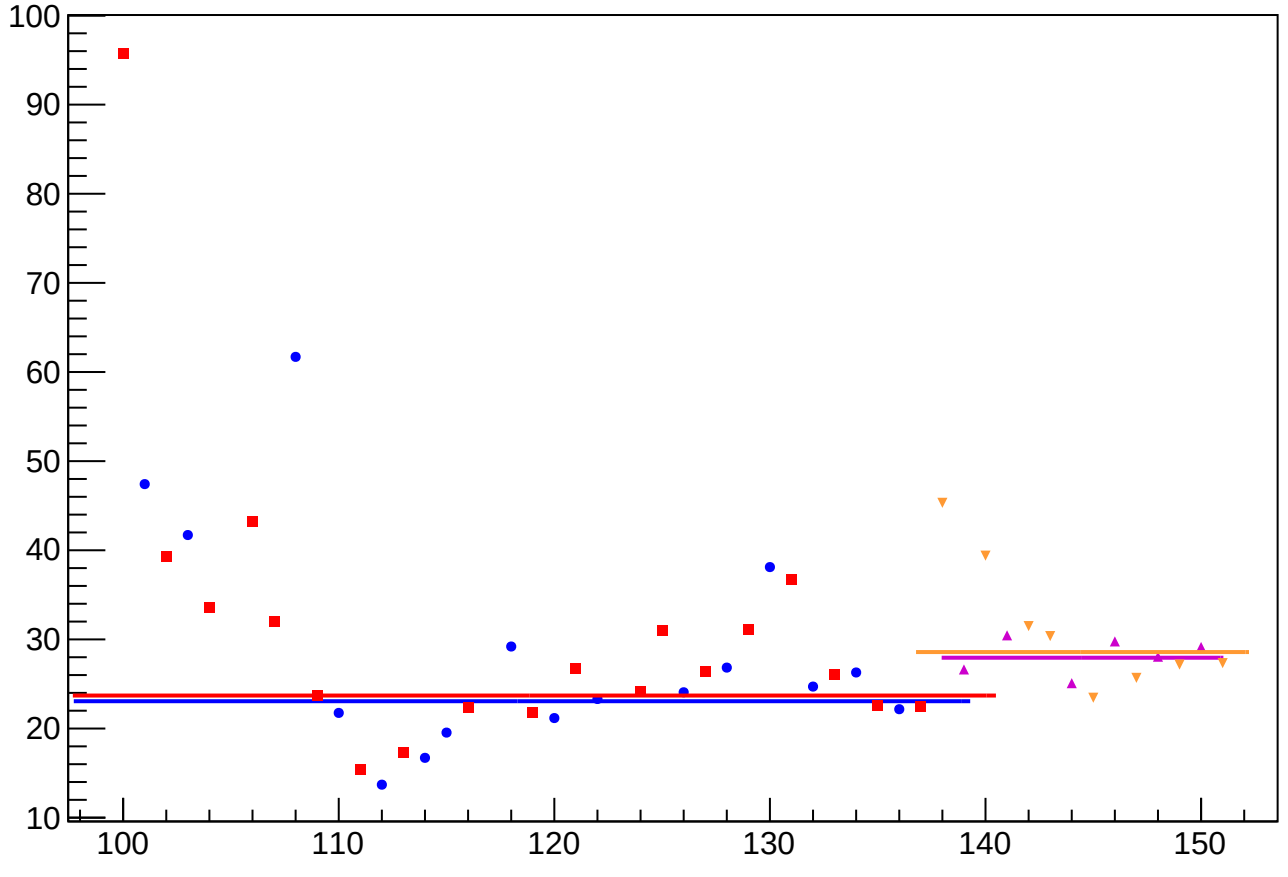
Left: -0.002+/-0.009 χ^2/NDF: 24.6/13

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.020+/-0.008 χ^2/NDF:24.4/21

Out: 0.002+/-0.007 χ^2/NDF:37.5/26

All: -0.009+/-0.005 χ^2/NDF: 66.4/48



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.581+/-0.008 χ^2/NDF:416340.2/7

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.945+/-0.009 χ^2/NDF:45137.3/5

Left: 28.281+/-0.006 χ^2/NDF: 464144.6/13

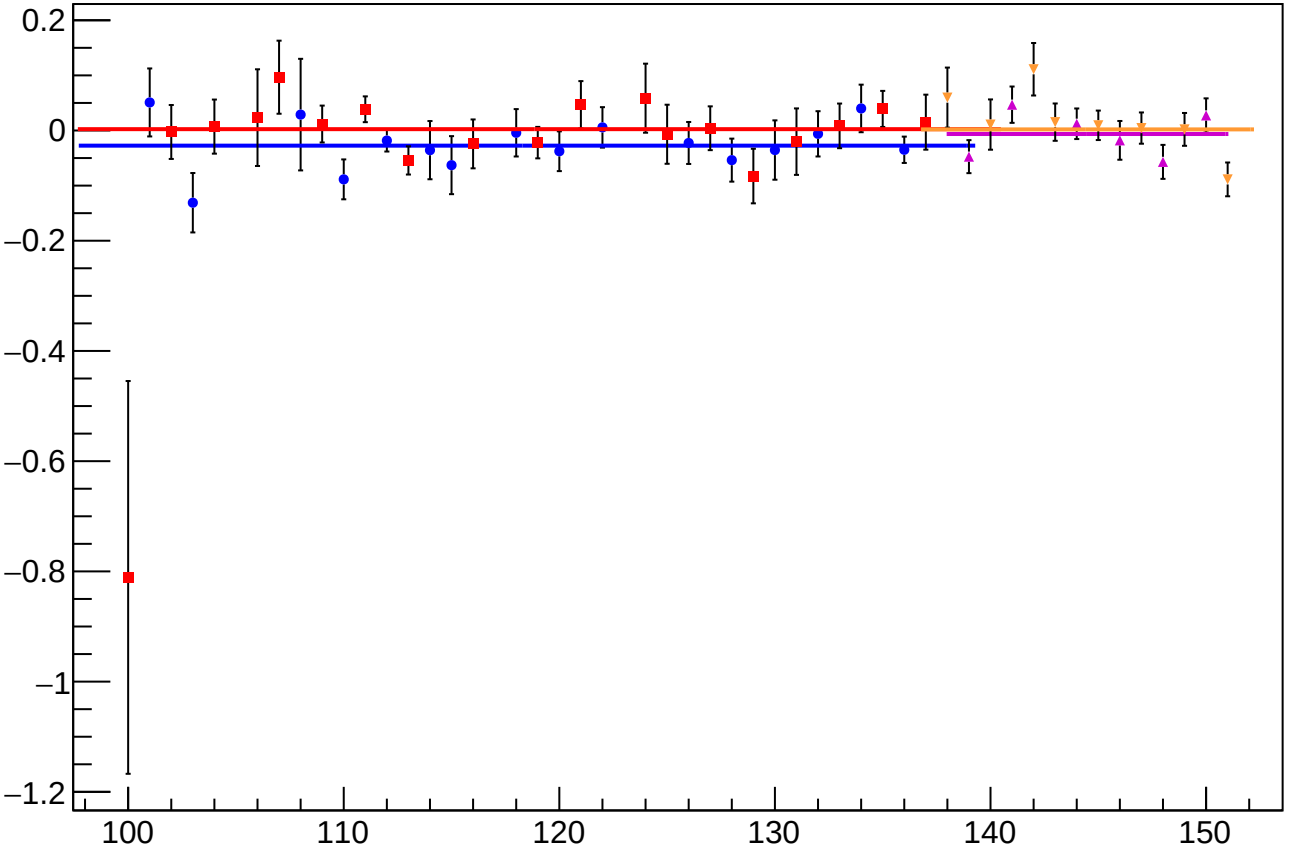
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.798+/-0.005 χ^2/NDF:1801233.0/21

Out: 25.534+/-0.005 χ^2/NDF:1711965.1/26

All: 25.176+/-0.004 χ^2/NDF: 3522978.4/48

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: 0.002+/-0.012 χ^2/NDF:15.4/7

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.006+/-0.013 χ^2/NDF:8.9/5

Left: -0.002+/-0.009 χ^2/NDF: 24.6/13

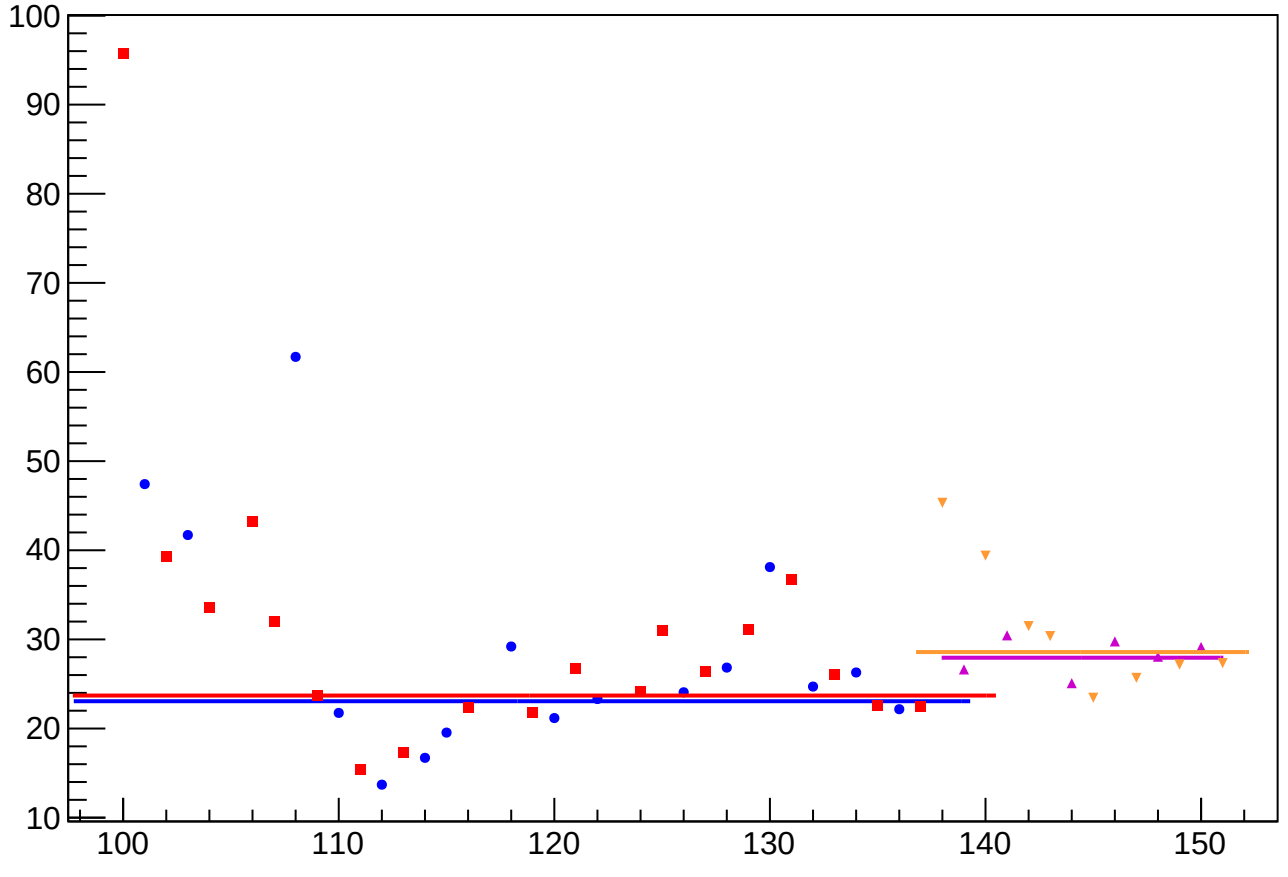
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.020+/-0.008 χ^2/NDF:24.4/21

Out: 0.002+/-0.007 χ^2/NDF:37.5/26

All: -0.009+/-0.005 χ^2/NDF: 66.4/48

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.581+/-0.008 χ^2/NDF:416340.2/7

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.945+/-0.009 χ^2/NDF:45137.3/5

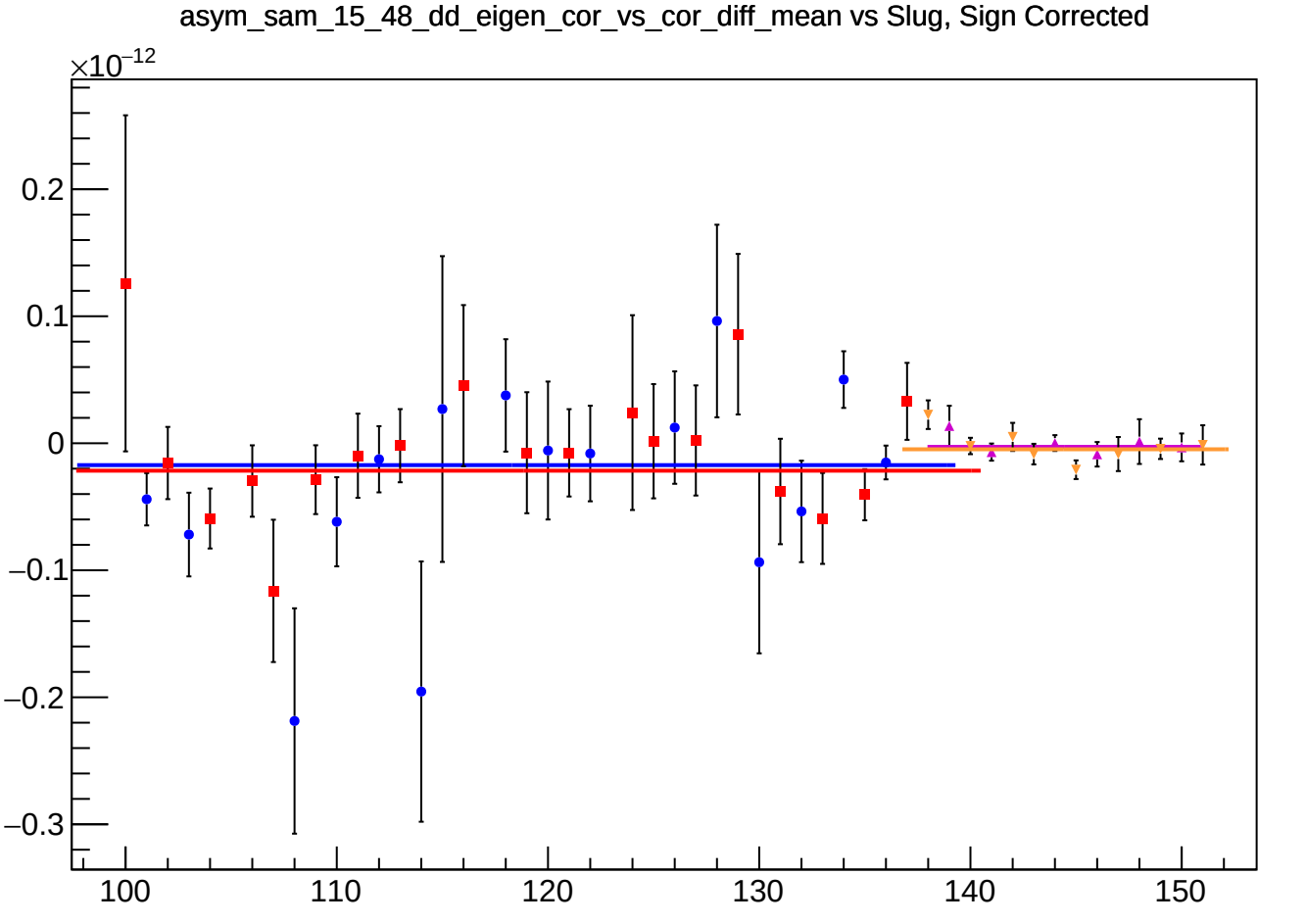
Left: 28.281+/-0.006 χ^2/NDF: 464144.6/13

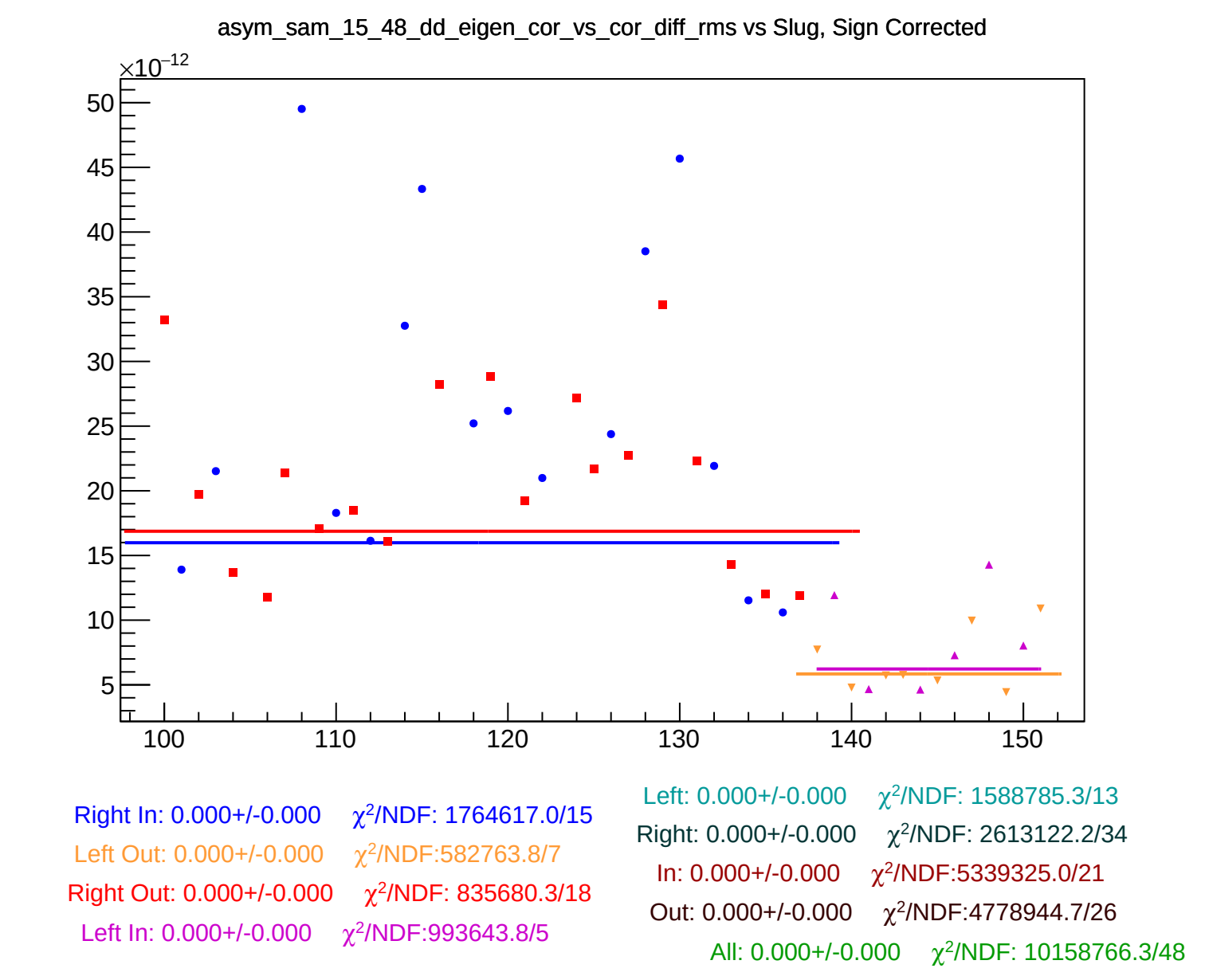
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

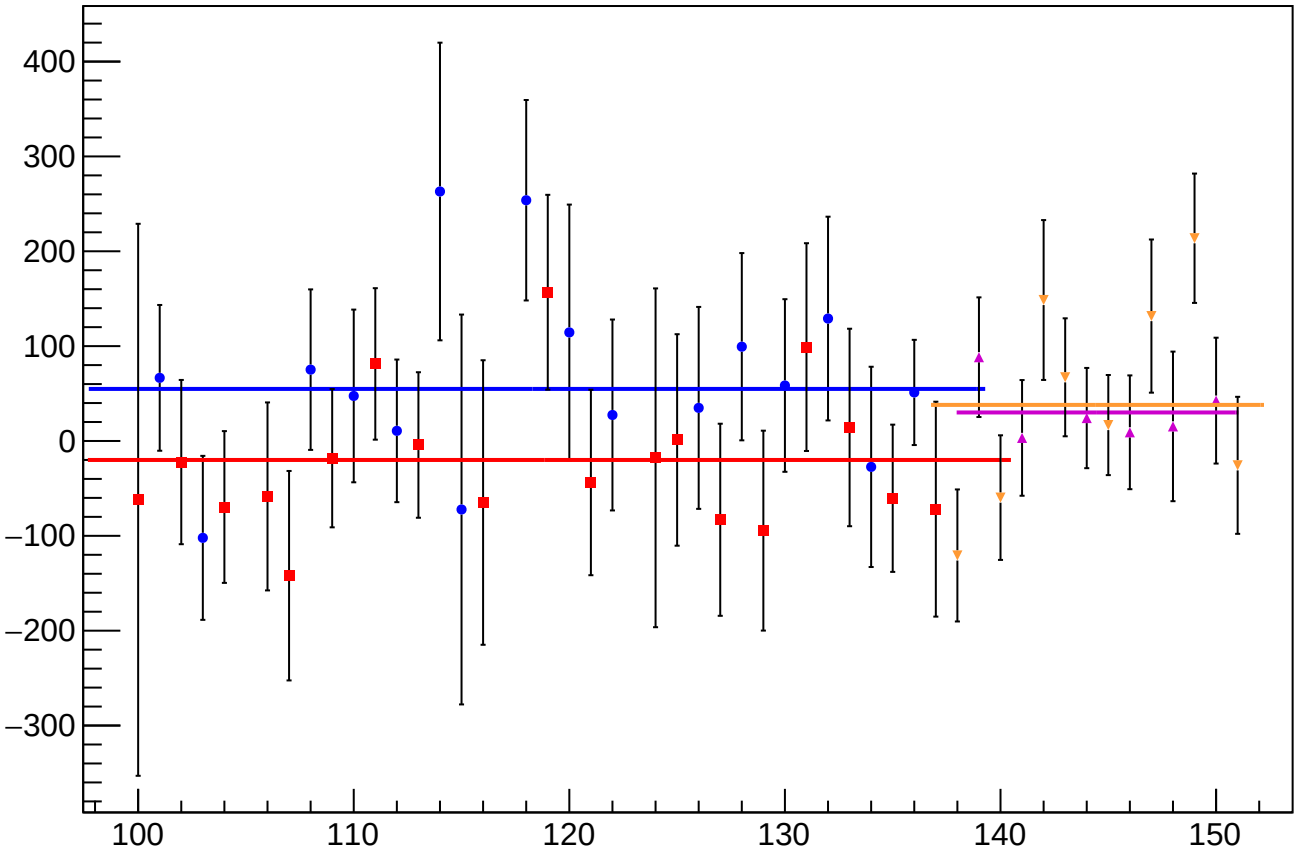
In: 24.798+/-0.005 χ^2/NDF:1801233.0/21

Out: 25.534+/-0.005 χ^2/NDF:1711965.1/26

All: 25.176+/-0.004 χ^2/NDF: 3522978.4/48


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 29.9/15
Left Out: -0.000+/-0.000 χ²/NDF:11.9/7
Right Out: -0.000+/-0.000 χ²/NDF: 18.0/18
Left In: -0.000+/-0.000 χ²/NDF:2.1/5
Left: -0.000+/-0.000 χ²/NDF: 14.2/13
Right: -0.000+/-0.000 χ²/NDF: 48.0/34
In: -0.000+/-0.000 χ²/NDF:34.8/21
Out: -0.000+/-0.000 χ²/NDF:33.8/26
All: -0.000+/-0.000 χ²/NDF: 68.7/48


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:582763.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:993643.8/5
Left: 0.000+/-0.000 χ²/NDF: 1588785.3/13
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:5339325.0/21
Out: 0.000+/-0.000 χ²/NDF:4778944.7/26
All: 0.000+/-0.000 χ²/NDF: 10158766.3/48



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 38.036+/-23.859 χ^2/NDF:18.3/7

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 30.056+/-25.447 χ^2/NDF:1.3/5

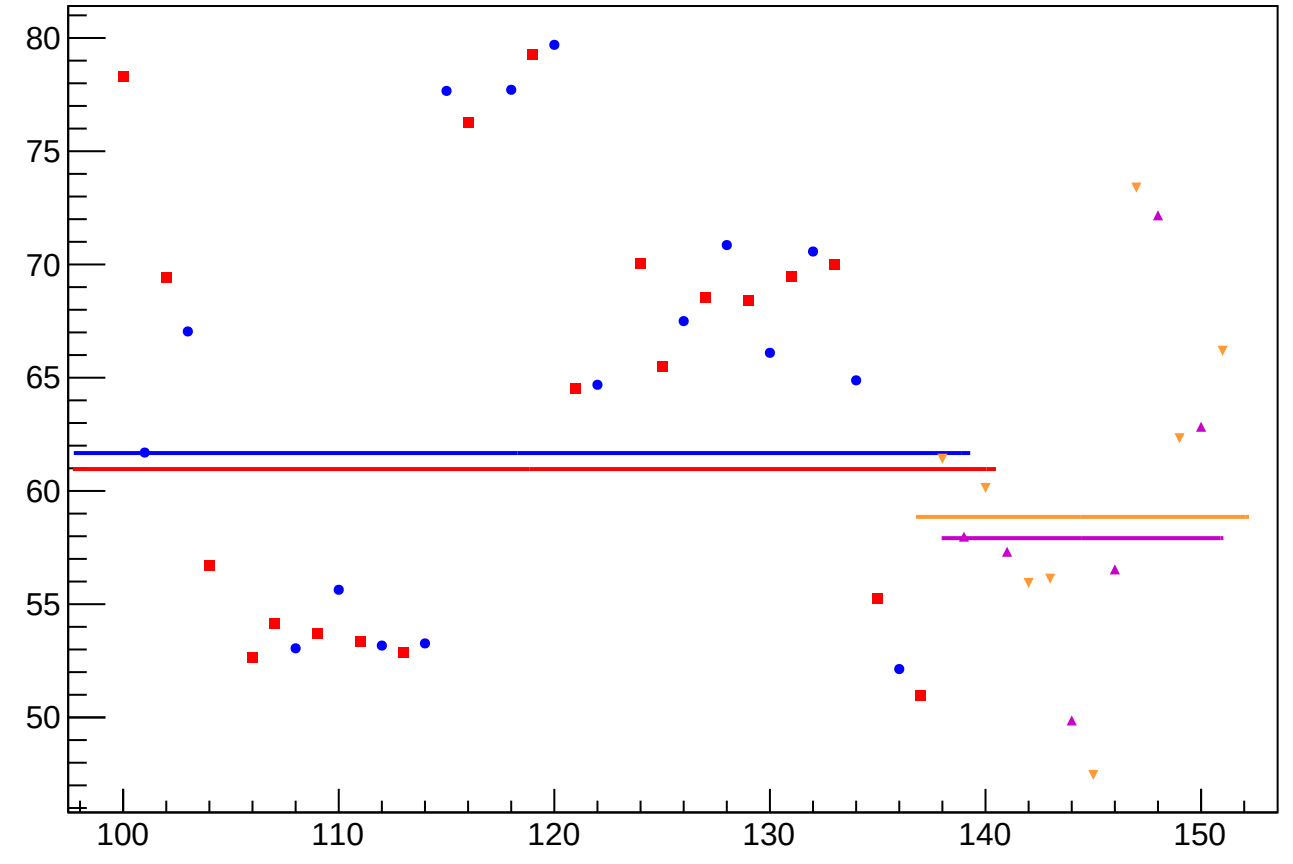
Left: 34.303+/-17.405 χ^2/NDF: 19.6/13

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 43.625+/-17.136 χ^2/NDF:12.8/21

Out: 7.400+/-16.396 χ^2/NDF:30.6/26

All: 24.714+/-11.847 χ^2/NDF: 45.8/48



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 58.855+/-0.017 χ^2/NDF:193599.2/7

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 57.917+/-0.018 χ^2/NDF:124004.0/5

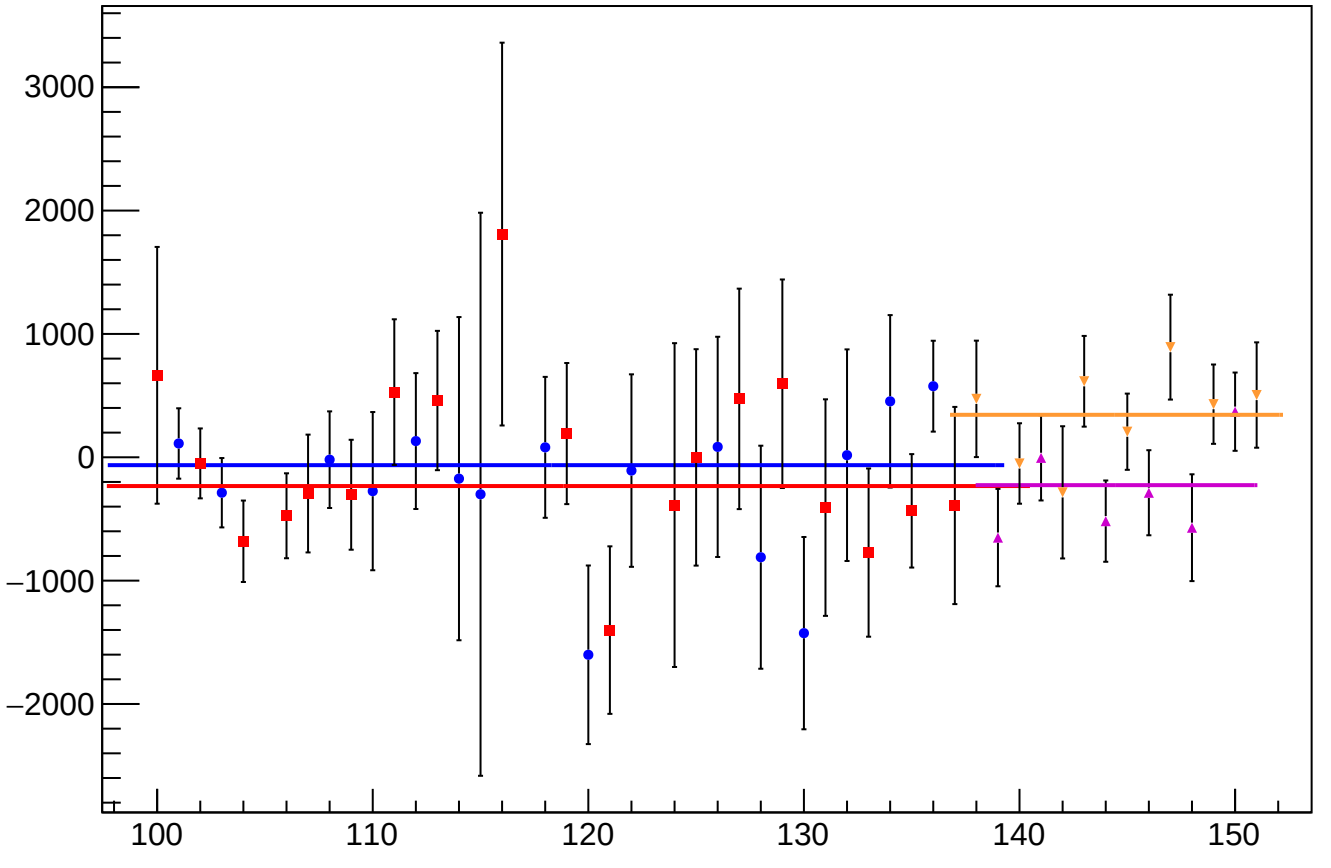
Left: 58.416+/-0.012 χ^2/NDF: 319051.3/13

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 59.970+/-0.012 χ^2/NDF:414928.7/21

Out: 59.969+/-0.012 χ^2/NDF:486046.1/26

All: 59.970+/-0.008 χ^2/NDF: 900974.8/48



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 344.385+/-133.715 χ^2/NDF:5.5/7

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -225.939+/-144.829 χ^2/NDF:6.5/5

Left: 81.943+/-98.245 χ^2/NDF: 20.5/13

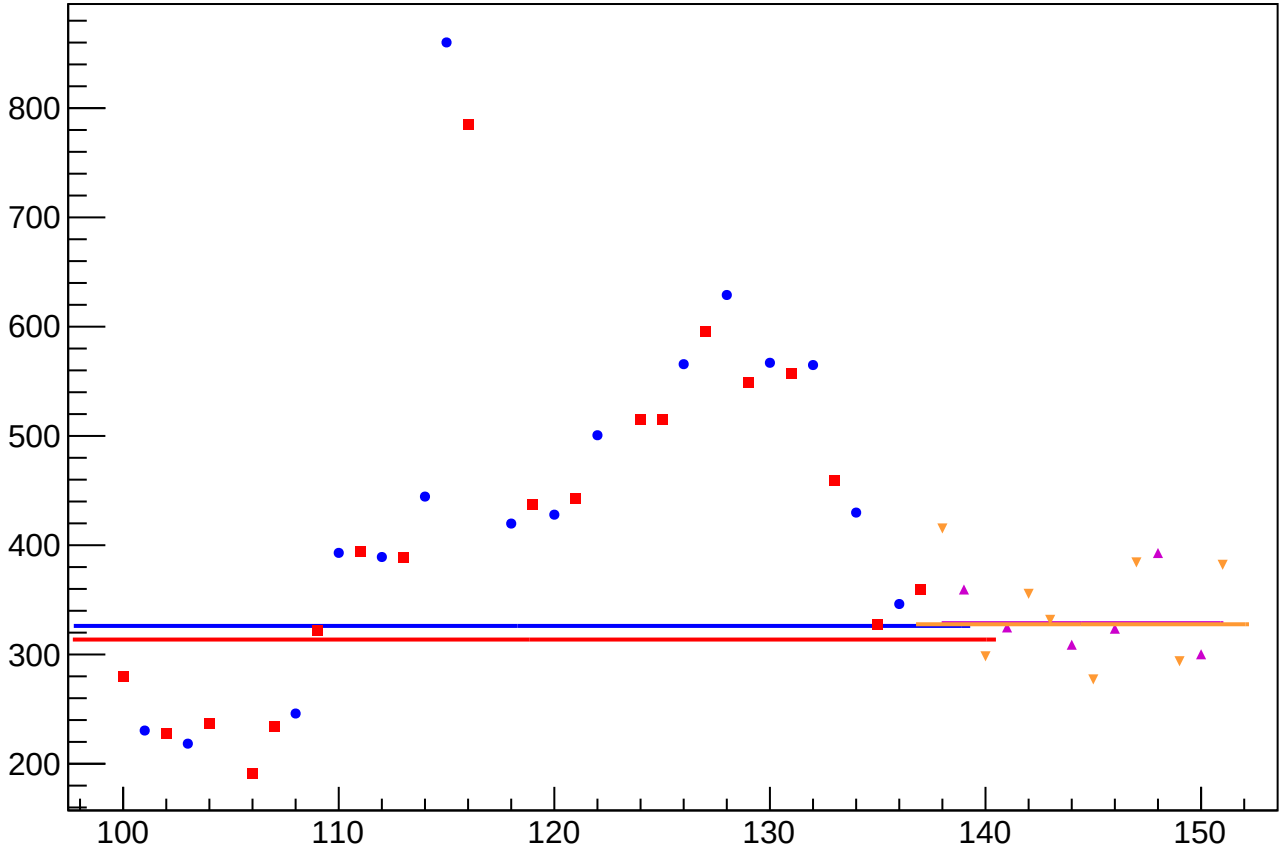
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -135.964+/-96.609 χ^2/NDF:20.4/21

Out: 31.035+/-90.442 χ^2/NDF:30.2/26

All: -46.965+/-66.025 χ^2/NDF: 52.2/48

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: 327.660+/-0.095 χ^2/NDF:234302.5/7

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 328.694+/-0.102 χ^2/NDF:80109.2/5

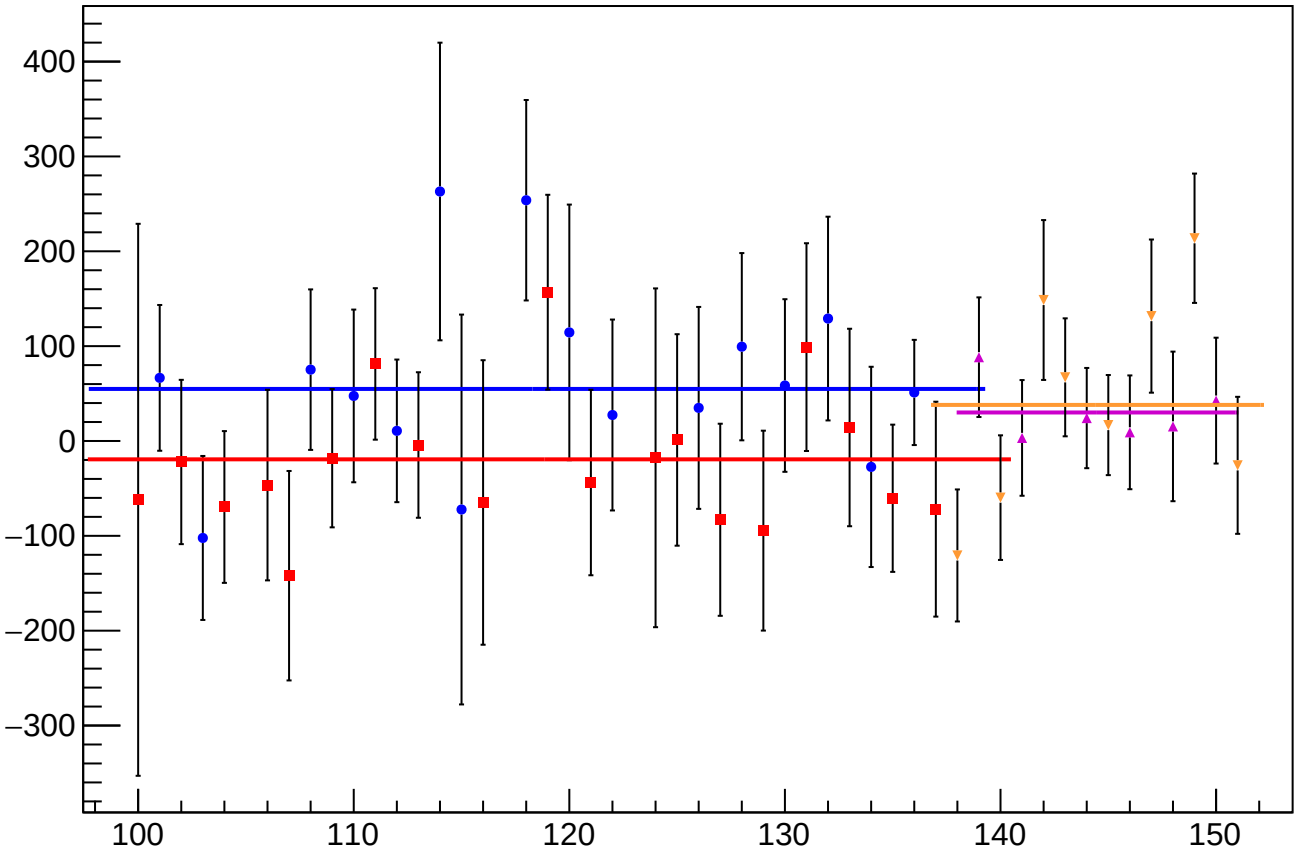
Left: 328.136+/-0.069 χ^2/NDF: 314466.7/13

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 327.281+/-0.068 χ^2/NDF:1814447.9/21

Out: 320.071+/-0.064 χ^2/NDF:2033523.4/26

All: 323.439+/-0.047 χ^2/NDF: 3853906.6/48



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 38.032+/-23.859 χ^2/NDF:18.3/7

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 30.053+/-25.447 χ^2/NDF:1.3/5

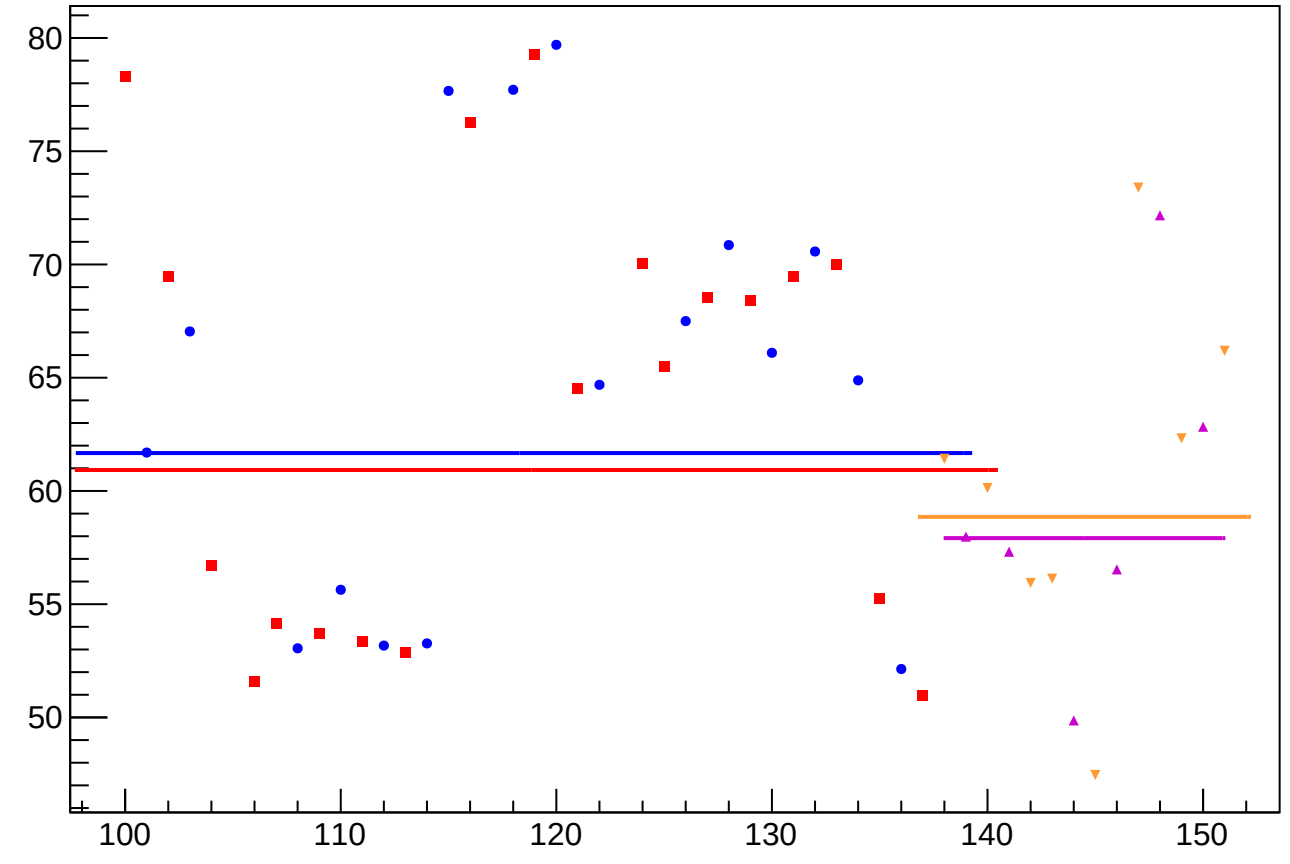
Left: 34.299+/-17.405 χ^2/NDF: 19.6/13

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 43.620+/-17.136 χ^2/NDF:12.8/21

Out: 7.771+/-16.403 χ^2/NDF:30.5/26

All: 24.912+/-11.849 χ^2/NDF: 45.6/48



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.855+/-0.017 χ^2/NDF:193599.2/7

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.917+/-0.018 χ^2/NDF:124004.0/5

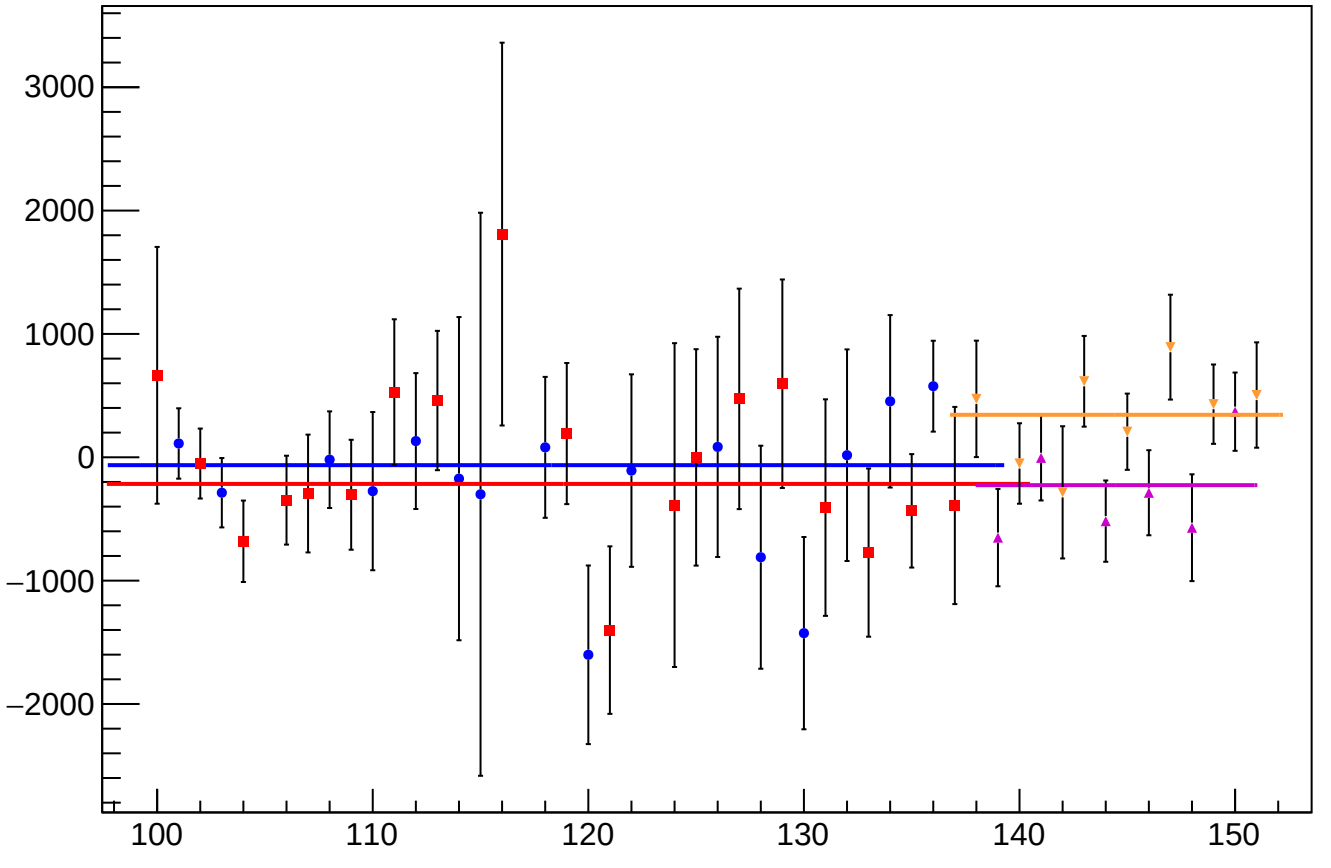
Left: 58.416+/-0.012 χ^2/NDF: 319051.3/13

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.970+/-0.012 χ^2/NDF:414929.0/21

Out: 59.947+/-0.012 χ^2/NDF:489120.5/26

All: 59.958+/-0.008 χ^2/NDF: 904051.2/48



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 344.384+/-133.715 χ^2/NDF:5.5/7

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -225.940+/-144.829 χ^2/NDF:6.5/5

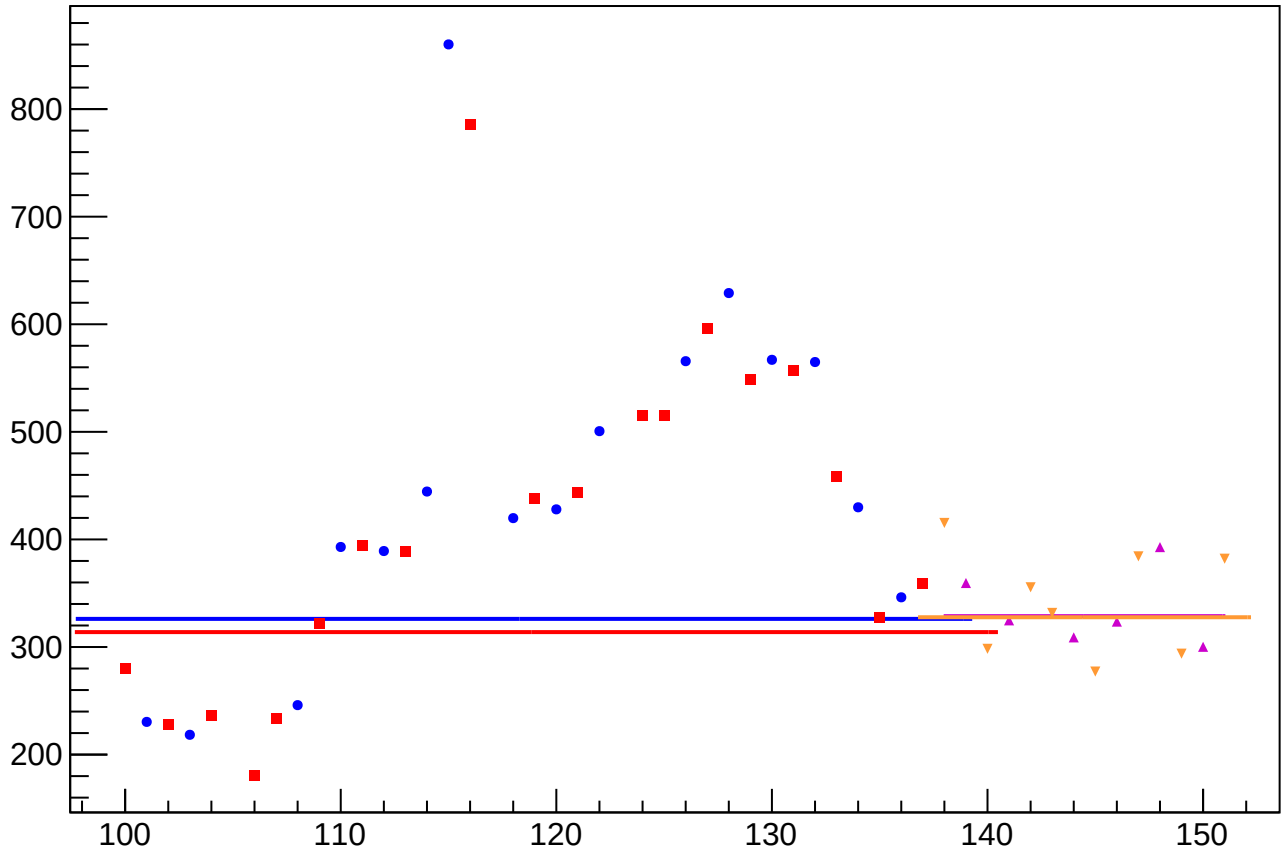
Left: 81.942+/-98.245 χ^2/NDF: 20.5/13

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -135.957+/-96.609 χ^2/NDF:20.4/21

Out: 42.000+/-90.721 χ^2/NDF:29.1/26

All: -41.391+/-66.133 χ^2/NDF: 51.3/48



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 327.660+/-0.095 χ^2/NDF:234303.0/7

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 328.694+/-0.102 χ^2/NDF:80108.1/5

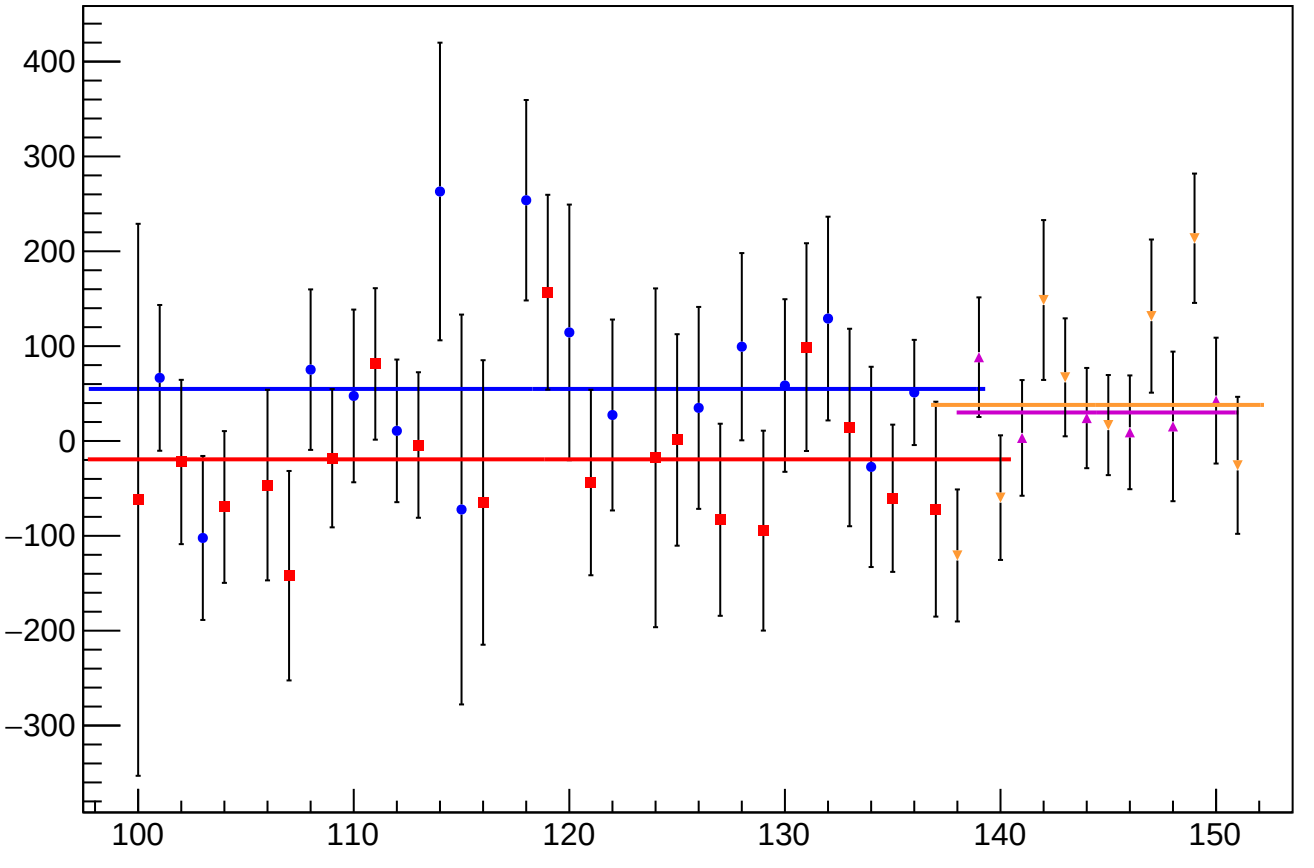
Left: 328.136+/-0.069 χ^2/NDF: 314466.2/13

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 327.282+/-0.068 χ^2/NDF:1814385.3/21

Out: 320.213+/-0.064 χ^2/NDF:2051577.6/26

All: 323.526+/-0.047 χ^2/NDF: 3871653.9/48


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
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−100
−200
−300
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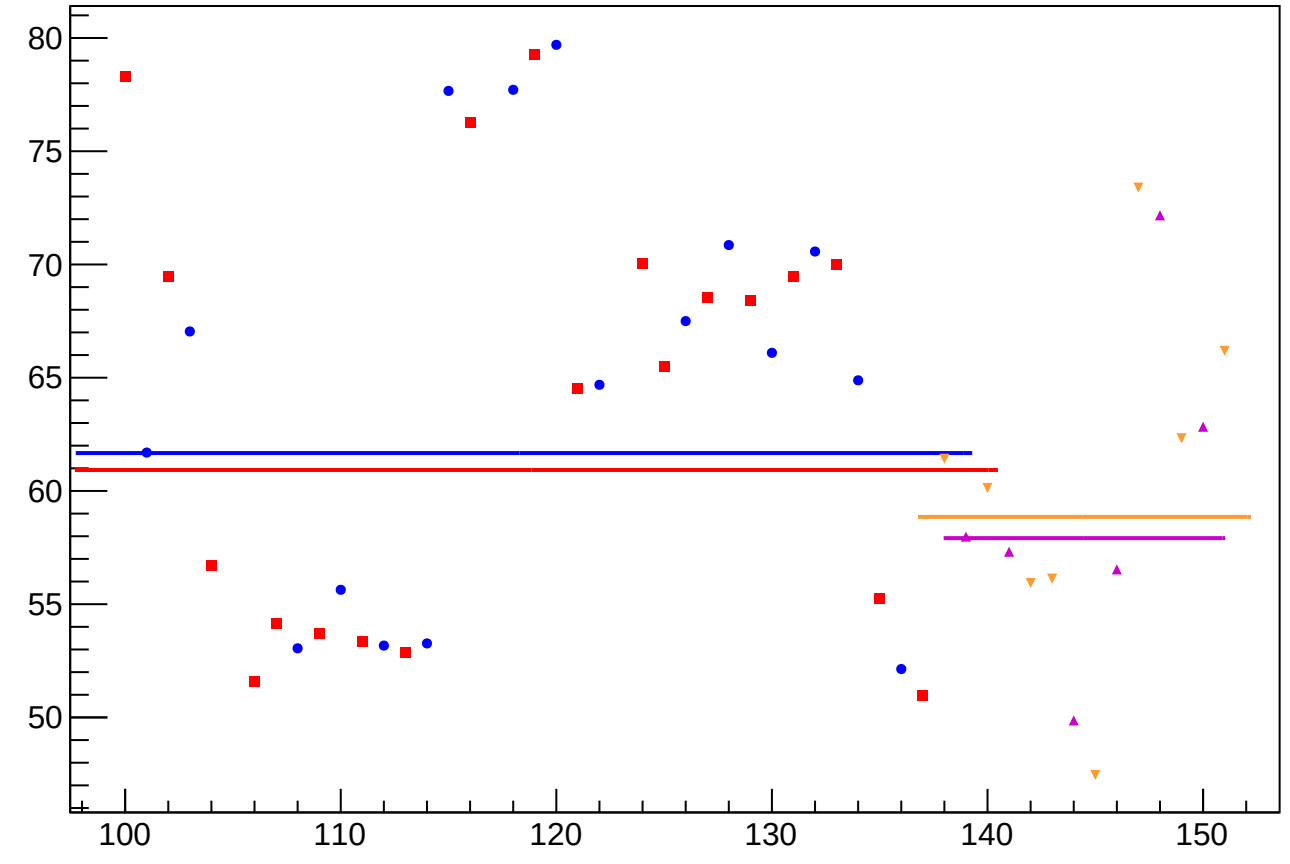
110
120
130
140
150
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 38.032+/-23.859 χ²/NDF:18.3/7
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 30.053+/-25.447 χ²/NDF:1.3/5
Left: 34.299+/-17.405 χ²/NDF: 19.6/13
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 43.620+/-17.136 χ²/NDF:12.8/21
Out: 7.771+/-16.403 χ²/NDF:30.5/26
All: 24.912+/-11.849 χ²/NDF: 45.6/48



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 58.855+/-0.017 χ^2/NDF:193599.2/7

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 57.917+/-0.018 χ^2/NDF:124004.0/5

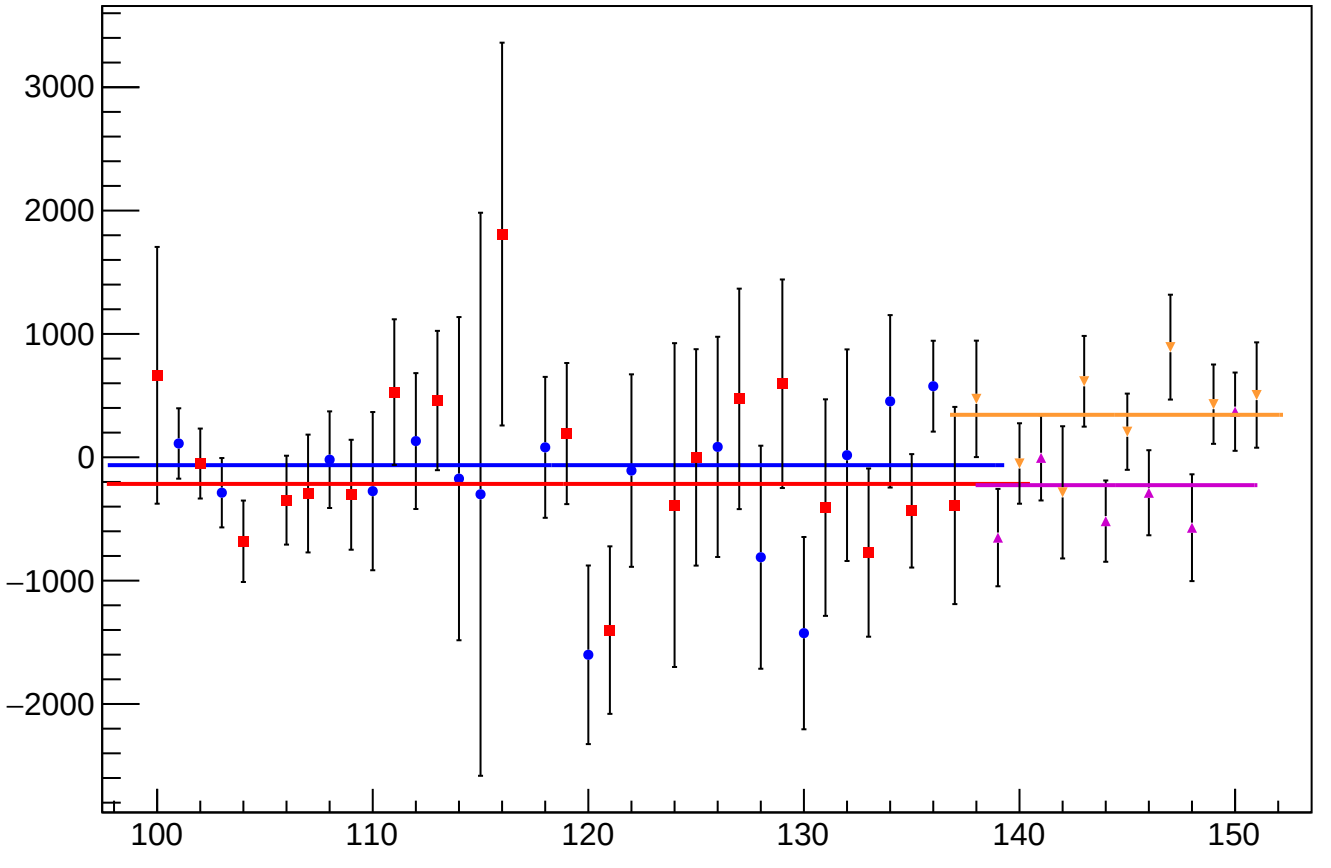
Left: 58.416+/-0.012 χ^2/NDF: 319051.3/13

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 59.970+/-0.012 χ^2/NDF:414929.0/21

Out: 59.947+/-0.012 χ^2/NDF:489120.5/26

All: 59.958+/-0.008 χ^2/NDF: 904051.2/48



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 344.384+/-133.715 χ^2/NDF:5.5/7

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -225.940+/-144.829 χ^2/NDF:6.5/5

Left: 81.942+/-98.245 χ^2/NDF: 20.5/13

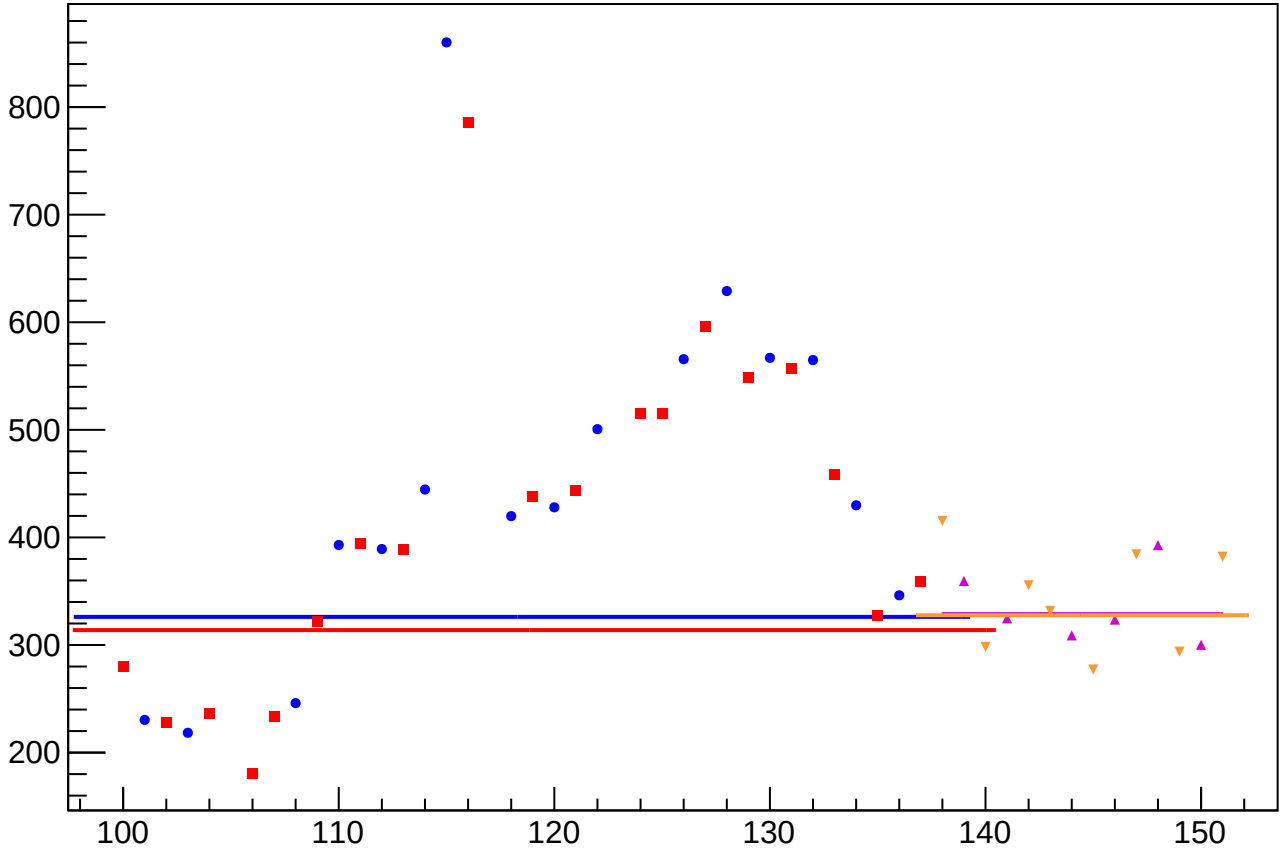
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -135.957+/-96.609 χ^2/NDF:20.4/21

Out: 42.000+/-90.721 χ^2/NDF:29.1/26

All: -41.391+/-66.133 χ^2/NDF: 51.3/48

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: 327.660+/-0.095 χ^2/NDF:234303.0/7

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 328.694+/-0.102 χ^2/NDF:80108.1/5

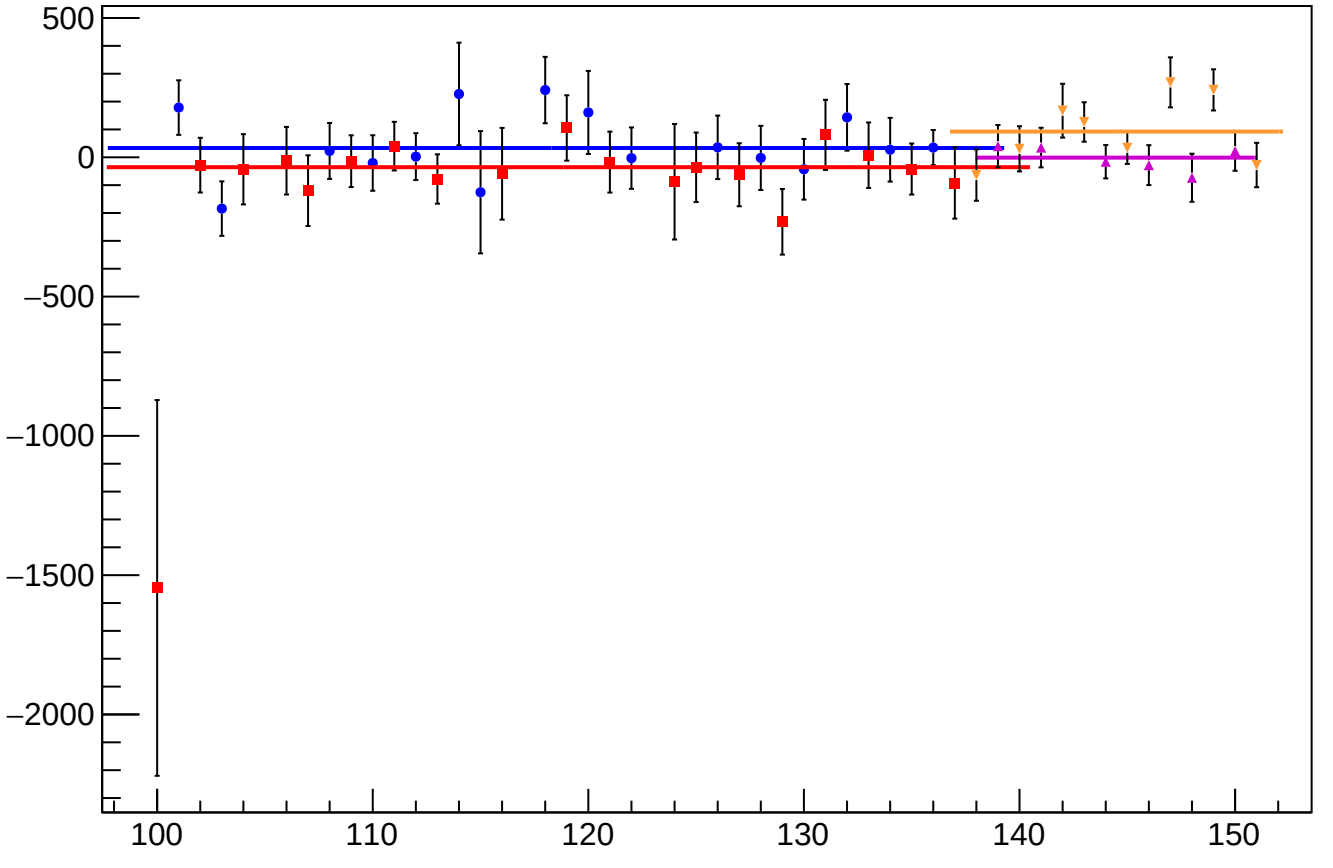
Left: 328.136+/-0.069 χ^2/NDF: 314466.2/13

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 327.282+/-0.068 χ^2/NDF:1814385.3/21

Out: 320.213+/-0.064 χ^2/NDF:2051577.6/26

All: 323.526+/-0.047 χ^2/NDF: 3871653.9/48



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 92.459+/-27.320 χ^2/NDF:15.6/7

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -1.251+/-29.117 χ^2/NDF:1.6/5

Left: 48.585+/-19.923 χ^2/NDF: 22.6/13

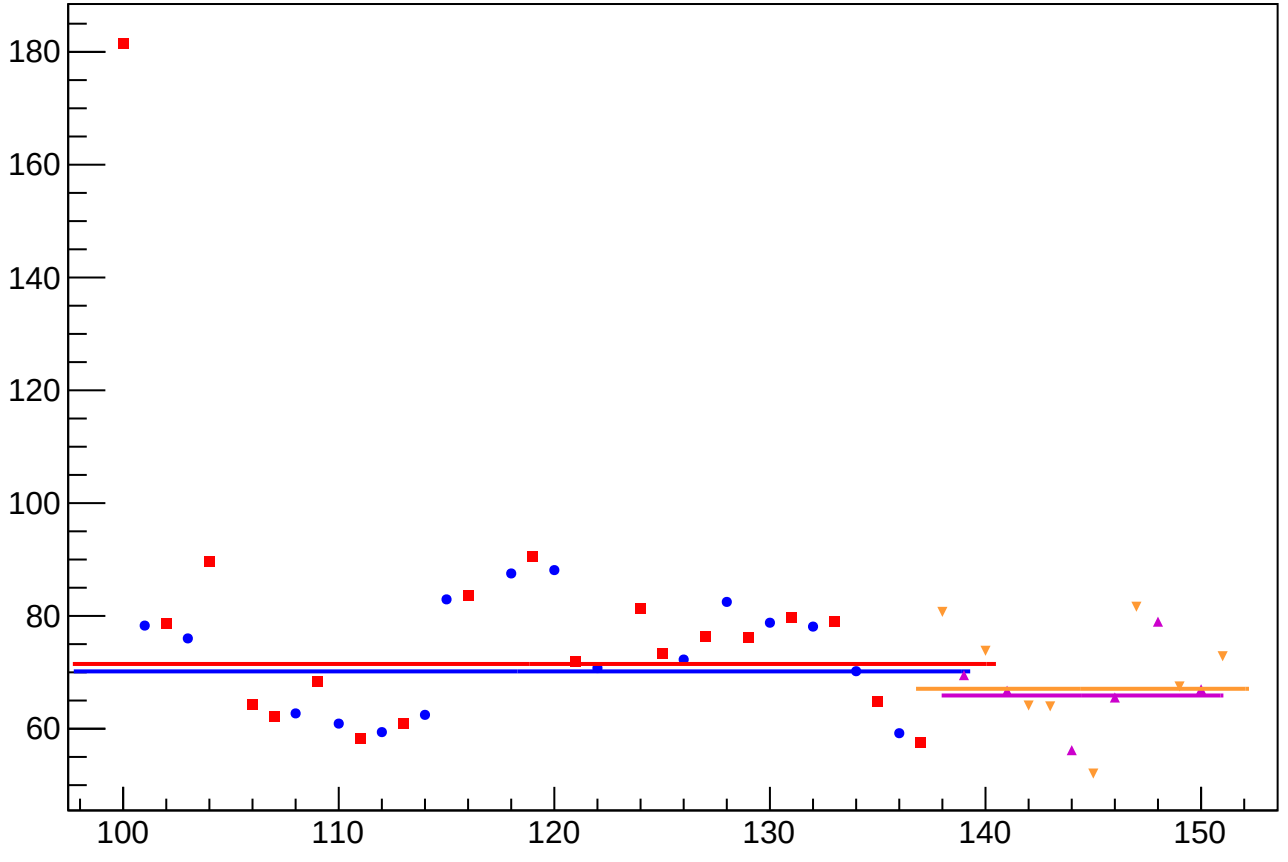
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 17.756+/-19.564 χ^2/NDF:16.9/21

Out: 26.578+/-19.035 χ^2/NDF:39.0/26

All: 22.288+/-13.643 χ^2/NDF: 56.0/48

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 67.083+/-0.019 χ^2/NDF:261167.8/7

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 65.895+/-0.021 χ^2/NDF:103781.2/5

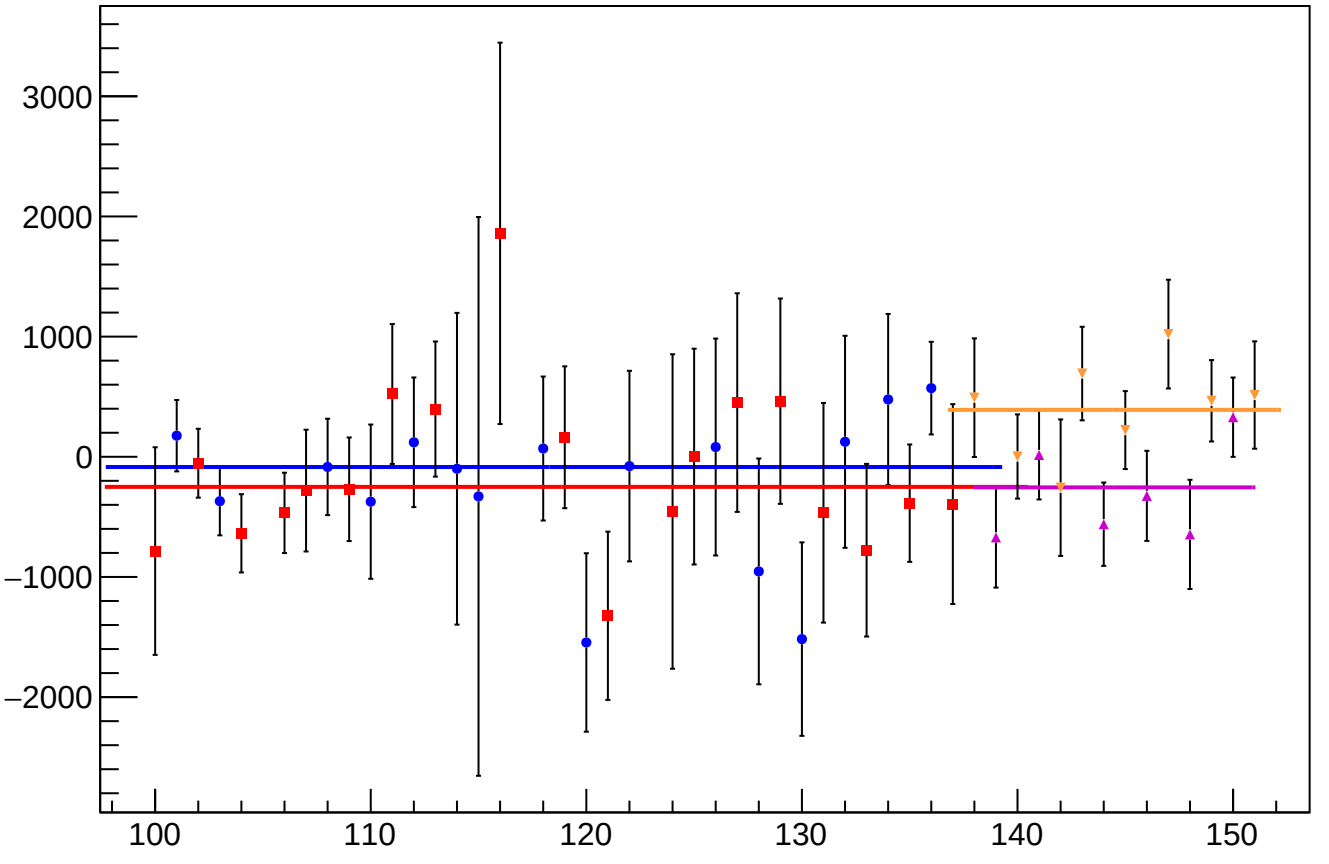
Left: 66.526+/-0.014 χ^2/NDF: 366719.1/13

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 68.239+/-0.014 χ^2/NDF:396653.1/21

Out: 69.347+/-0.013 χ^2/NDF:613582.2/26

All: 68.808+/-0.010 χ^2/NDF: 1013533.0/48



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 390.485+/-141.318 χ^2/NDF:5.5/7

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -254.608+/-153.476 χ^2/NDF:6.2/5

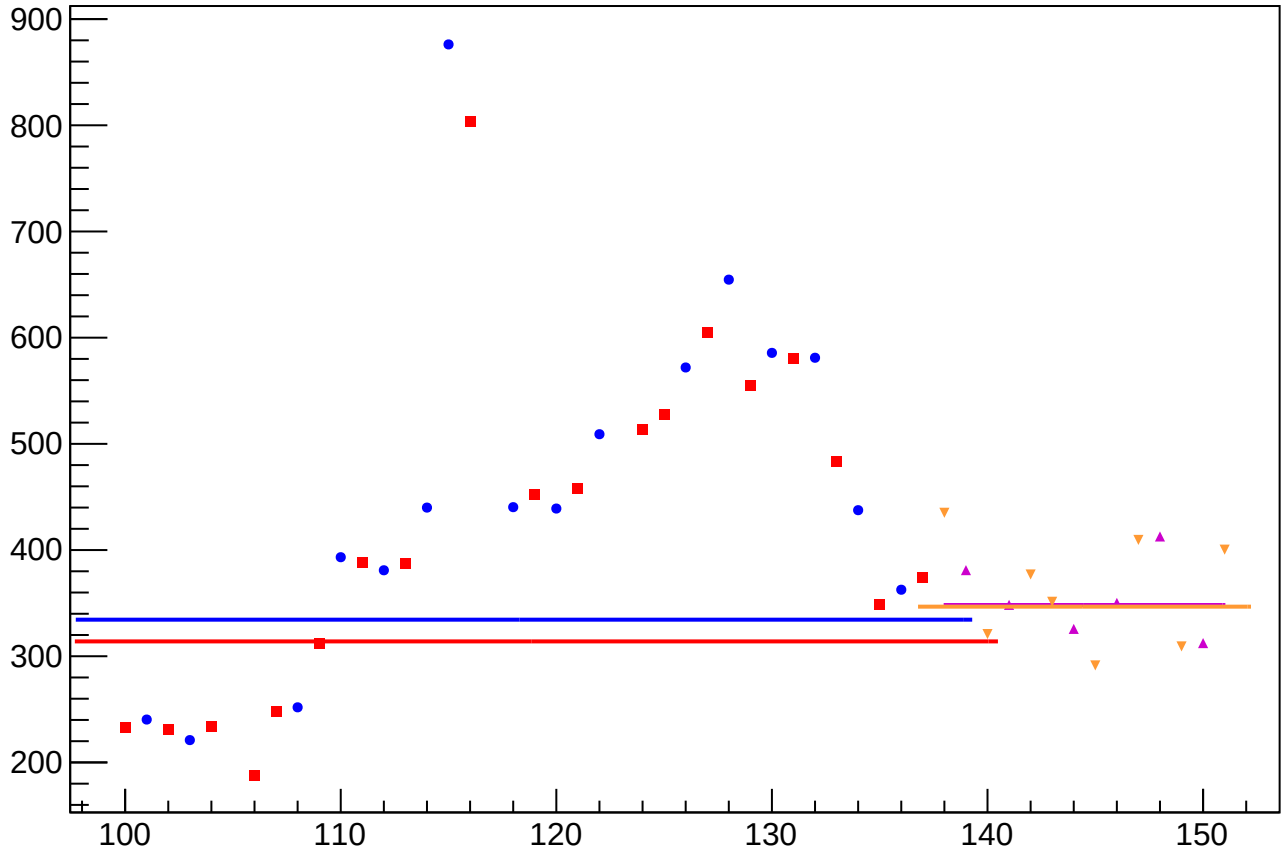
Left: 94.498+/-103.960 χ^2/NDF: 21.3/13

Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -157.771+/-100.458 χ^2/NDF:20.6/21

Out: 26.587+/-92.908 χ^2/NDF:29.7/26

All: -58.406+/-68.209 χ^2/NDF: 52.1/48



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 346.692+/-0.100 χ^2/NDF:231069.9/7

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 348.247+/-0.109 χ^2/NDF:84797.3/5

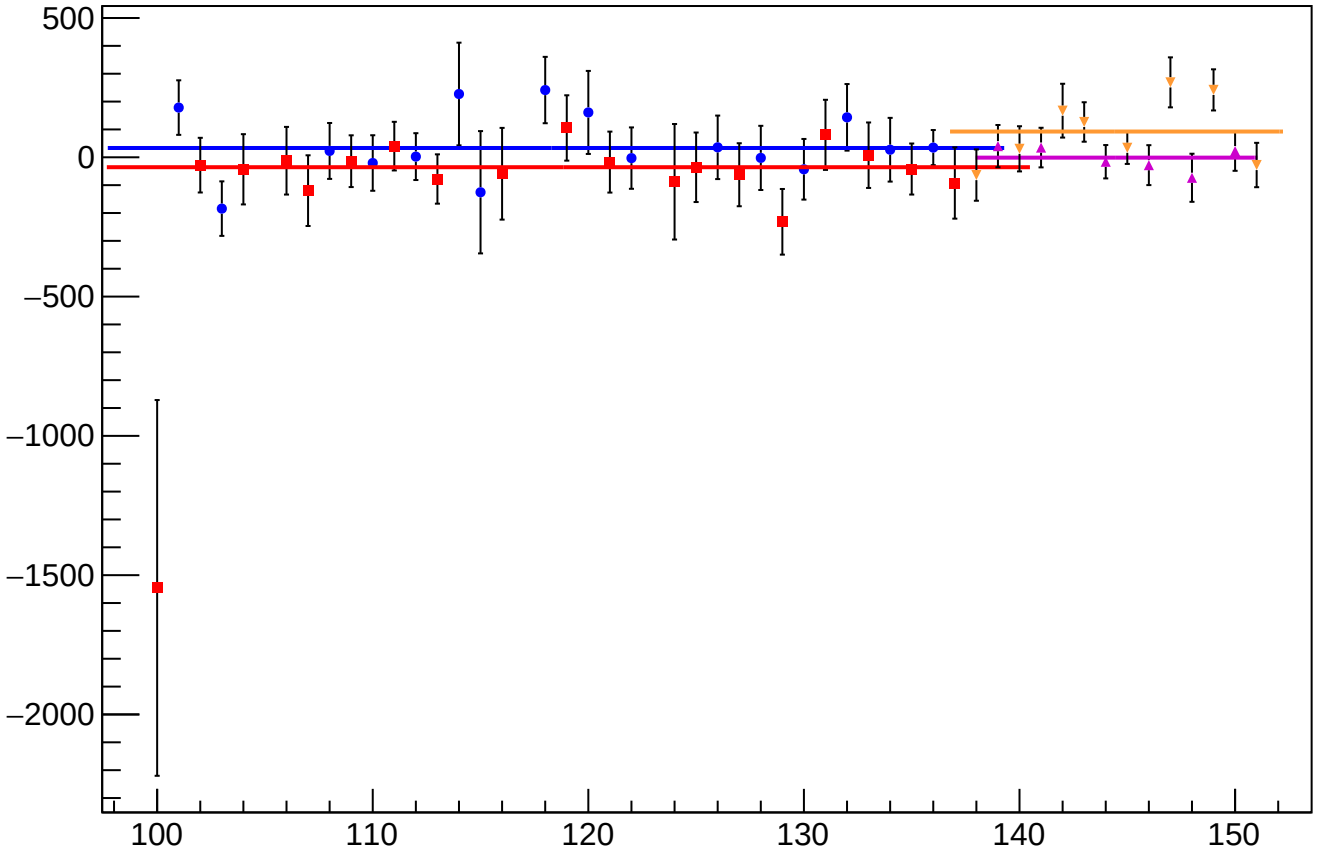
Left: 347.406+/-0.074 χ^2/NDF: 315978.3/13

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 340.350+/-0.071 χ^2/NDF:1824671.6/21

Out: 328.114+/-0.066 χ^2/NDF:2196554.5/26

All: 333.755+/-0.048 χ^2/NDF: 4037218.9/48



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 92.458+/-27.320 χ^2/NDF:15.6/7

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -1.251+/-29.117 χ^2/NDF:1.6/5

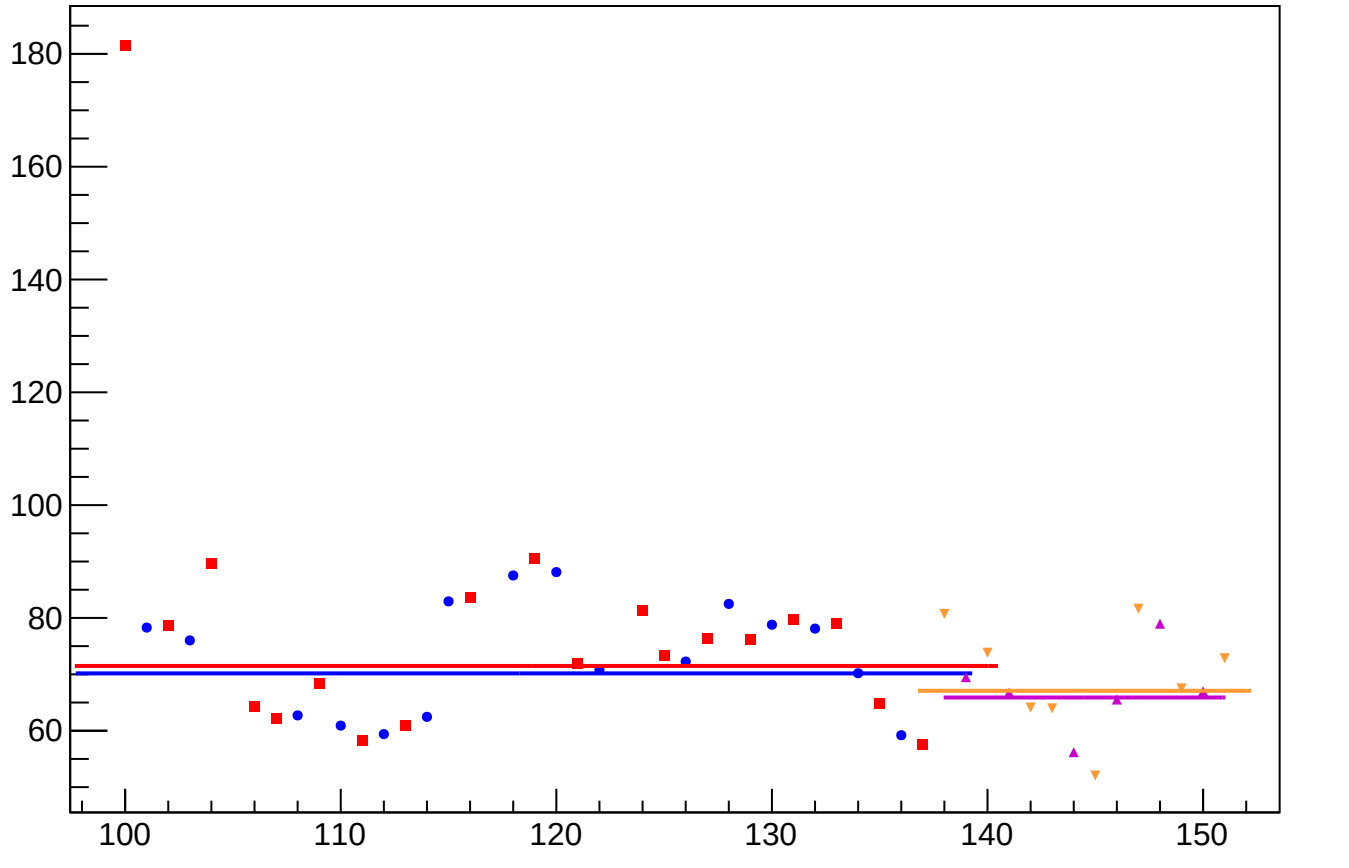
Left: 48.585+/-19.923 χ^2/NDF: 22.6/13

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 17.755+/-19.564 χ^2/NDF:16.9/21

Out: 26.577+/-19.035 χ^2/NDF:39.0/26

All: 22.287+/-13.643 χ^2/NDF: 56.0/48



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 67.082+/-0.019 χ^2/NDF:261171.3/7

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 65.895+/-0.021 χ^2/NDF:103781.5/5

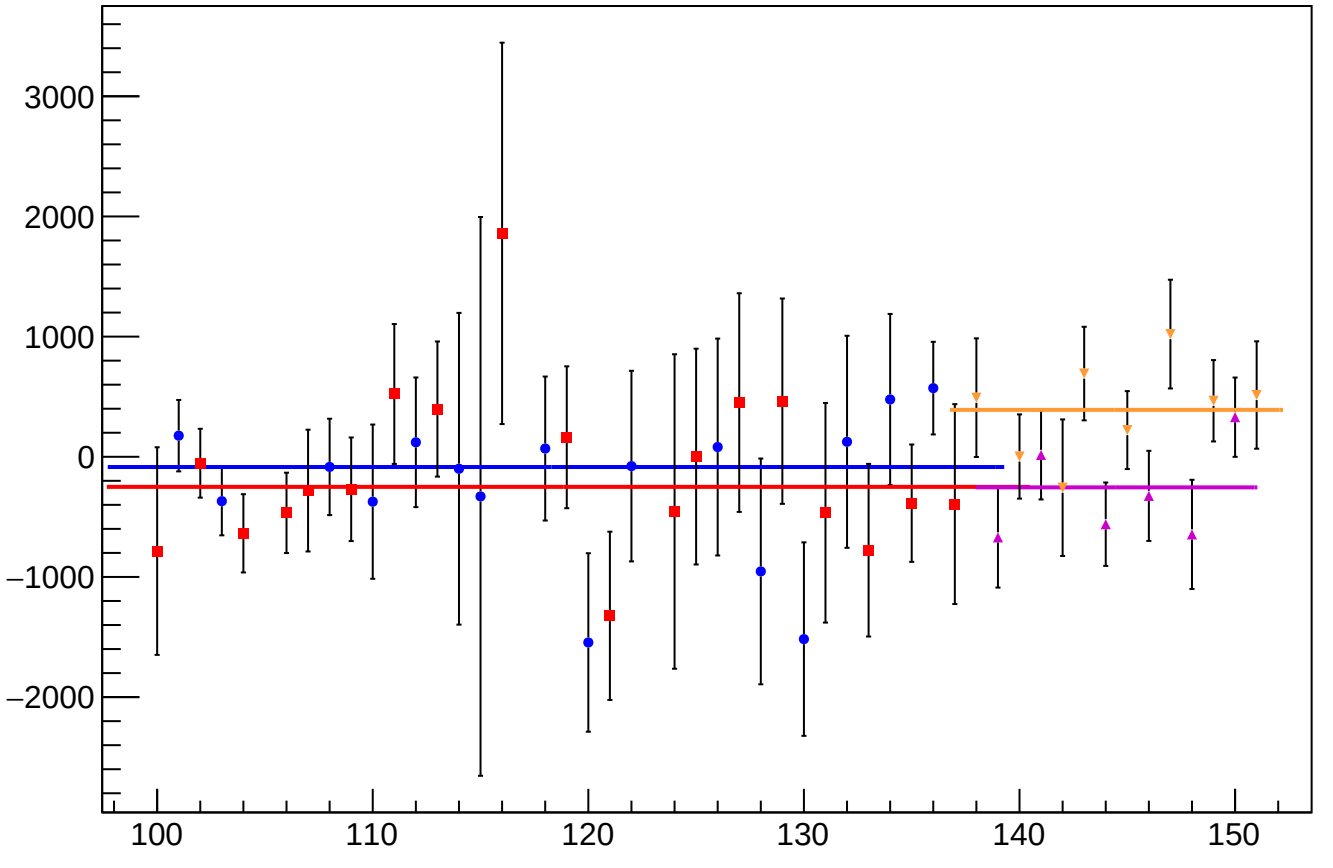
Left: 66.526+/-0.014 χ^2/NDF: 366722.6/13

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 68.239+/-0.014 χ^2/NDF:396657.8/21

Out: 69.347+/-0.013 χ^2/NDF:613594.2/26

All: 68.808+/-0.010 χ^2/NDF: 1013549.5/48



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 390.484+/-141.318 χ^2/NDF:5.5/7

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -254.608+/-153.476 χ^2/NDF:6.2/5

Left: 94.498+/-103.960 χ^2/NDF: 21.3/13

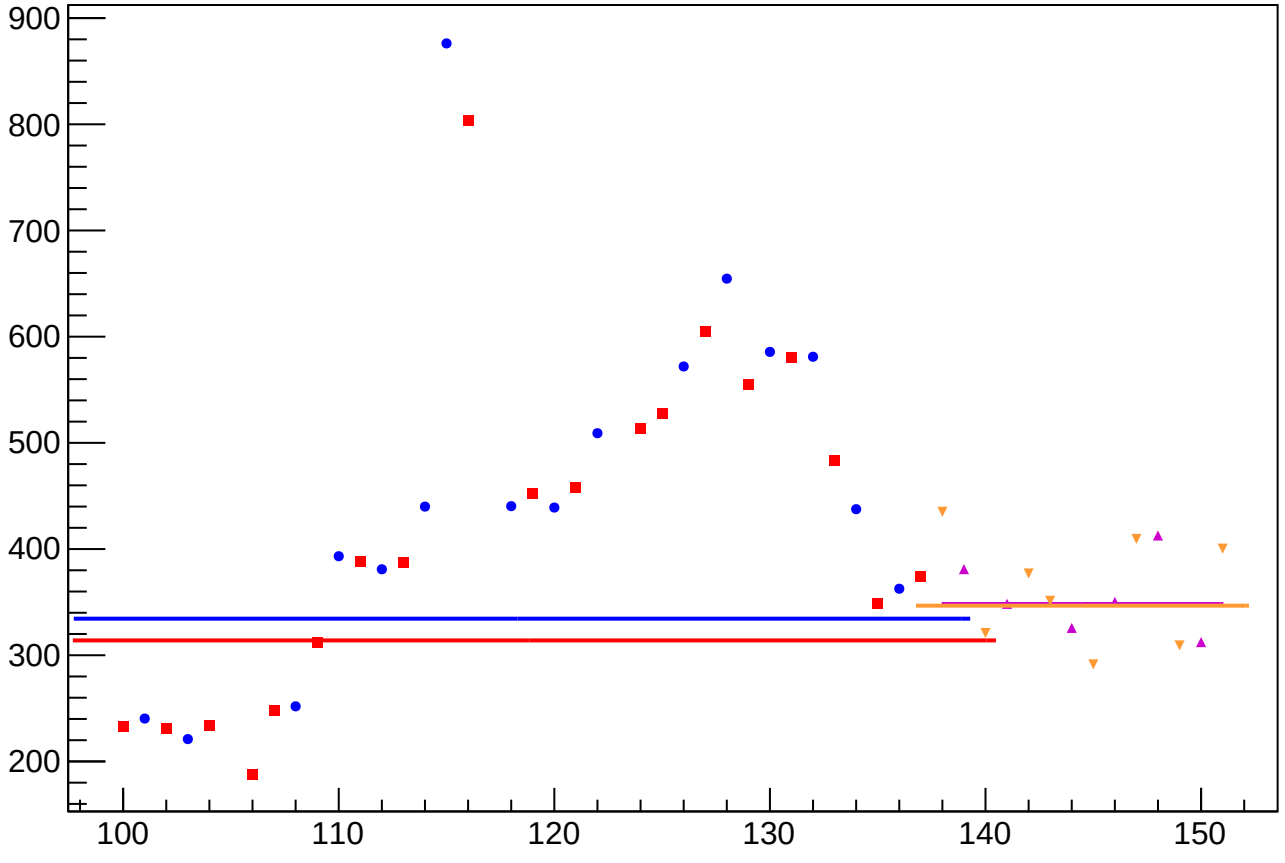
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -157.772+/-100.458 χ^2/NDF:20.6/21

Out: 26.587+/-92.908 χ^2/NDF:29.7/26

All: -58.406+/-68.209 χ^2/NDF: 52.1/48

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: 346.692+/-0.100 χ^2/NDF:231071.6/7

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 348.247+/-0.109 χ^2/NDF:84797.1/5

Left: 347.406+/-0.074 χ^2/NDF: 315979.9/13

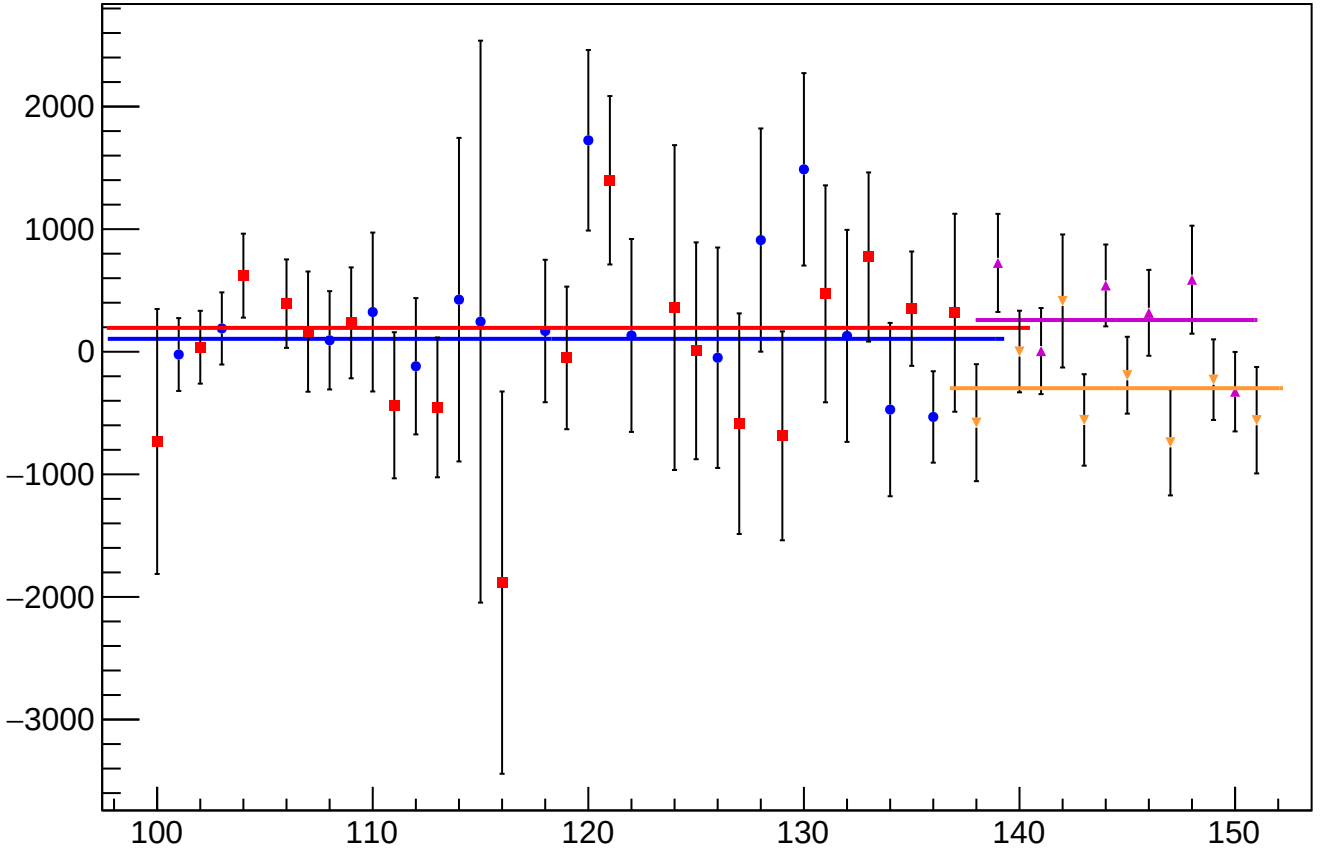
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 340.350+/-0.071 χ^2/NDF:1824670.4/21

Out: 328.114+/-0.066 χ^2/NDF:2196553.7/26

All: 333.755+/-0.048 χ^2/NDF: 4037217.5/48

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -297.245+/-135.999 χ^2/NDF:4.9/7

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 258.846+/-147.201 χ^2/NDF:6.4/5

Left: -41.161+/-99.891 χ^2/NDF: 19.0/13

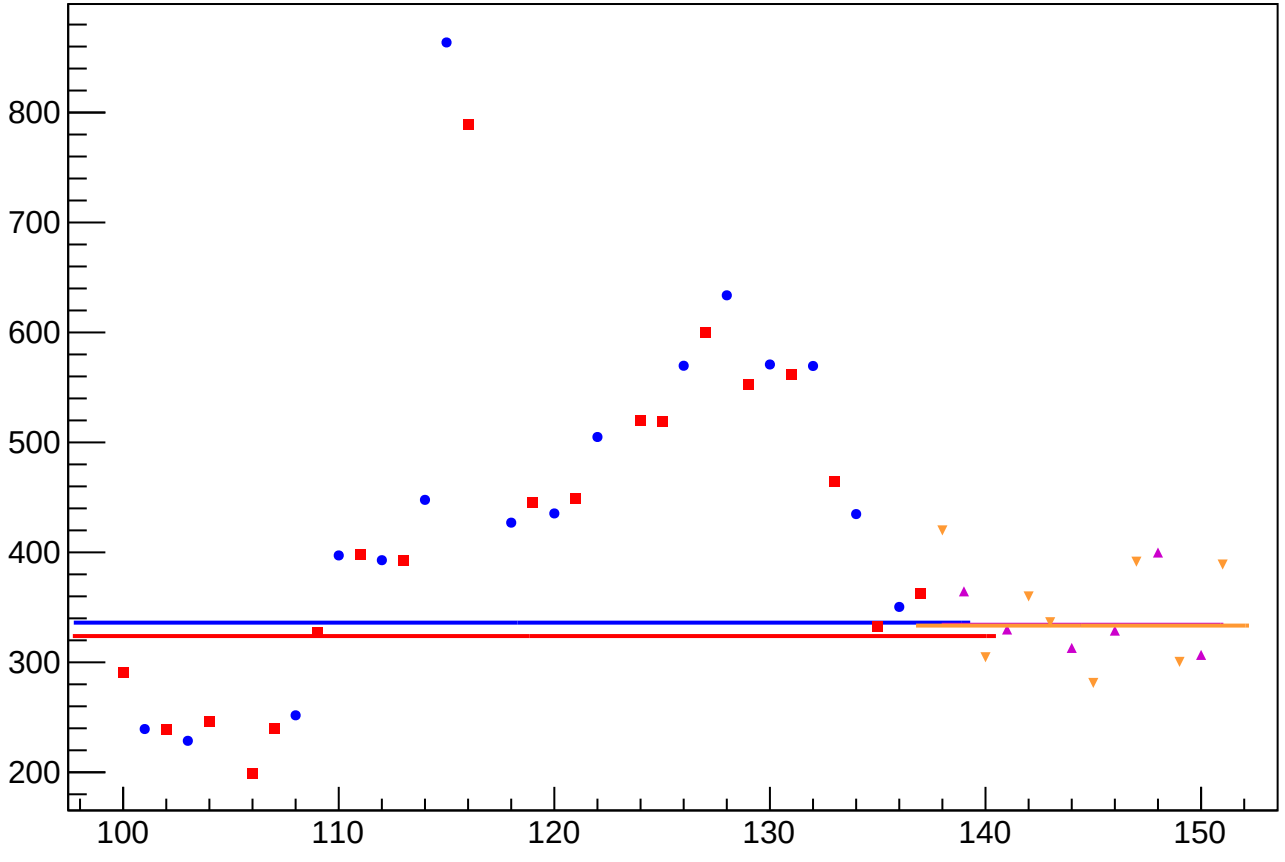
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 174.387+/-98.703 χ^2/NDF:20.0/21

Out: -32.903+/-92.507 χ^2/NDF:25.1/26

All: 64.031+/-67.497 χ^2/NDF: 47.4/48

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 333.418+/-0.096 χ^2/NDF:229980.6/7

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 334.182+/-0.104 χ^2/NDF:79035.7/5

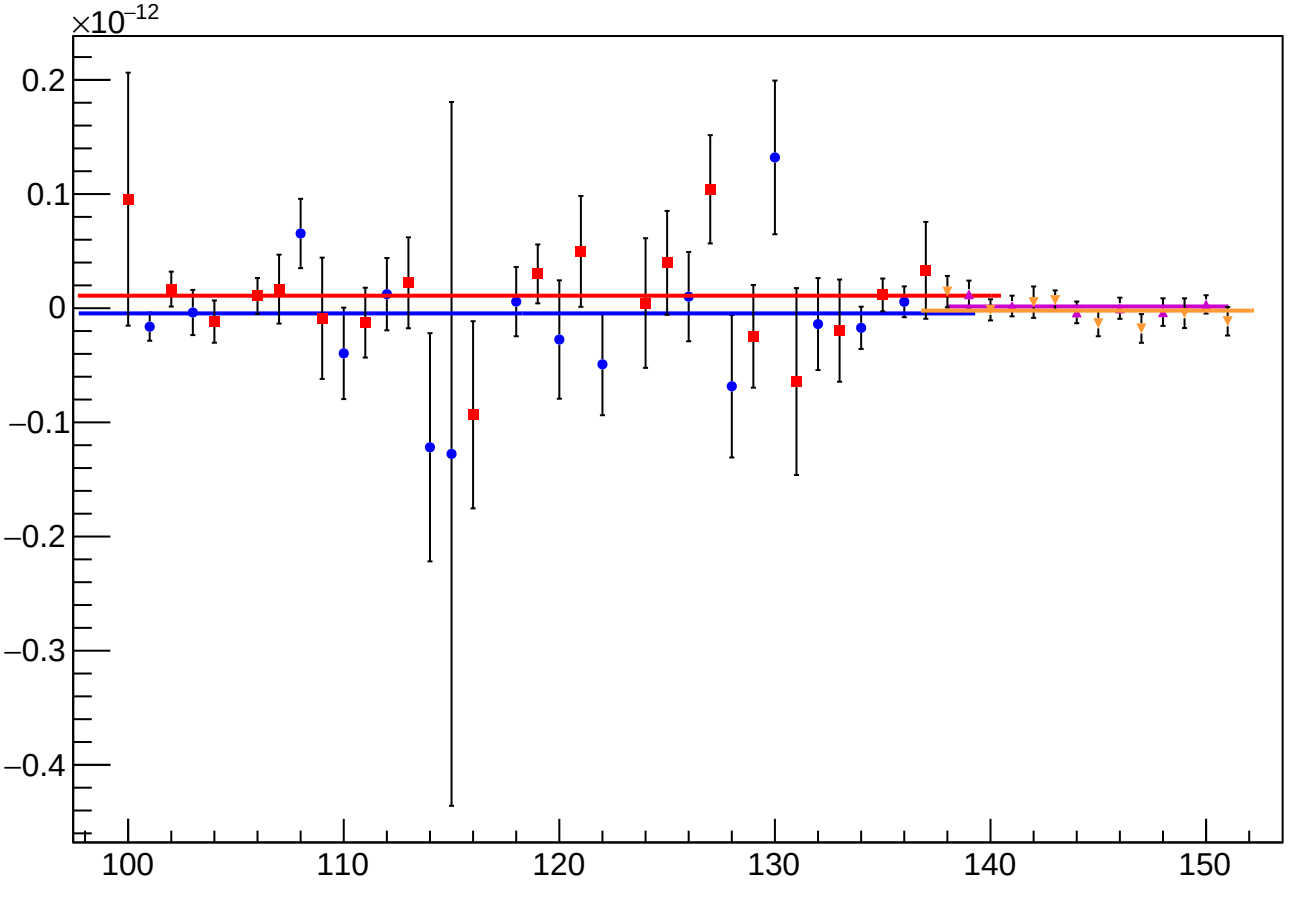
Left: 333.769+/-0.071 χ^2/NDF: 309045.4/13

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 335.233+/-0.070 χ^2/NDF:1698218.2/21

Out: 328.296+/-0.065 χ^2/NDF:1900680.8/26

All: 331.540+/-0.048 χ^2/NDF: 3604159.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/5

Left: -0.000+/-0.000 χ^2/NDF: 7.7/13

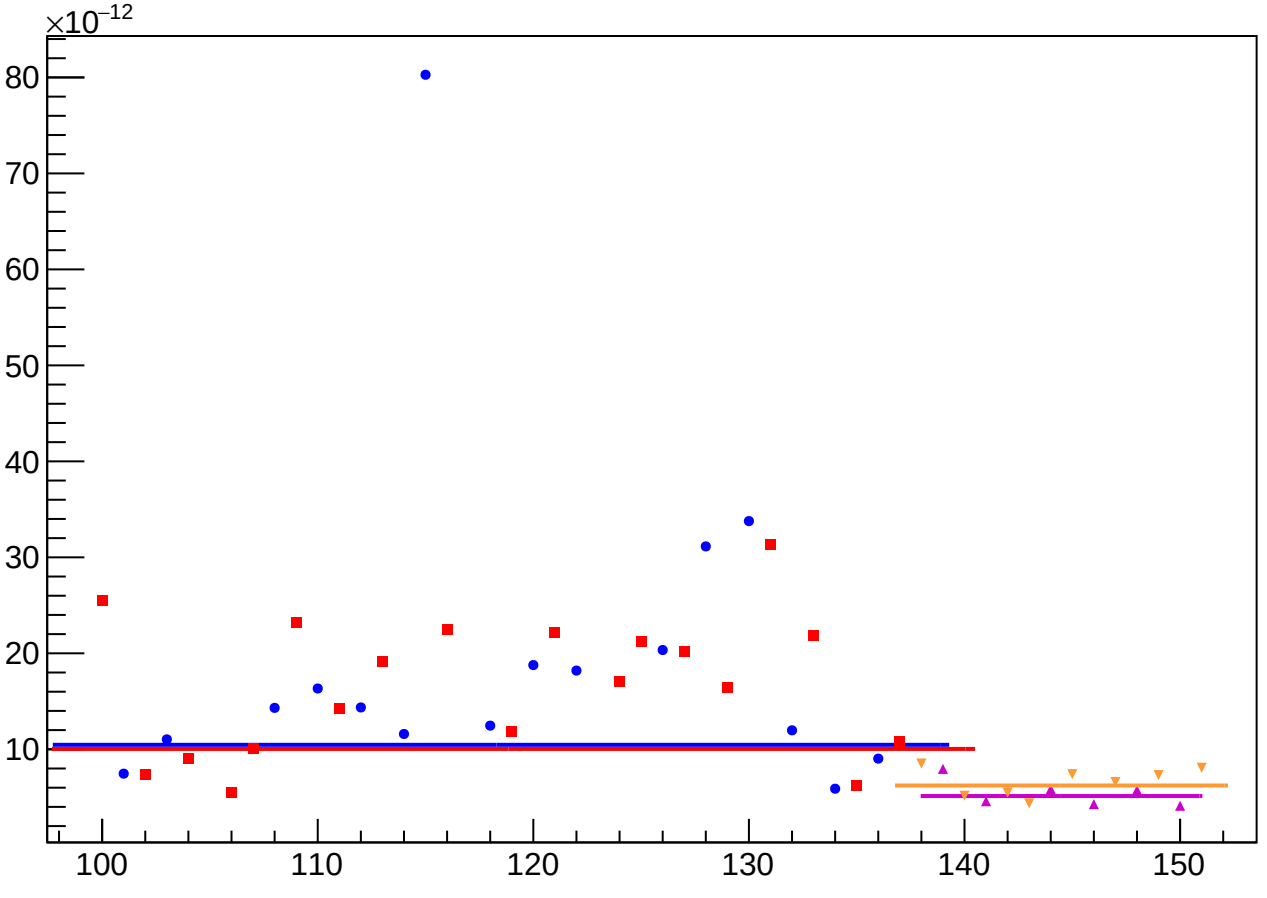
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:18.5/21

Out: 0.000+/-0.000 χ^2/NDF:21.3/26

All: 0.000+/-0.000 χ^2/NDF: 39.9/48

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:261459.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:185247.4/5

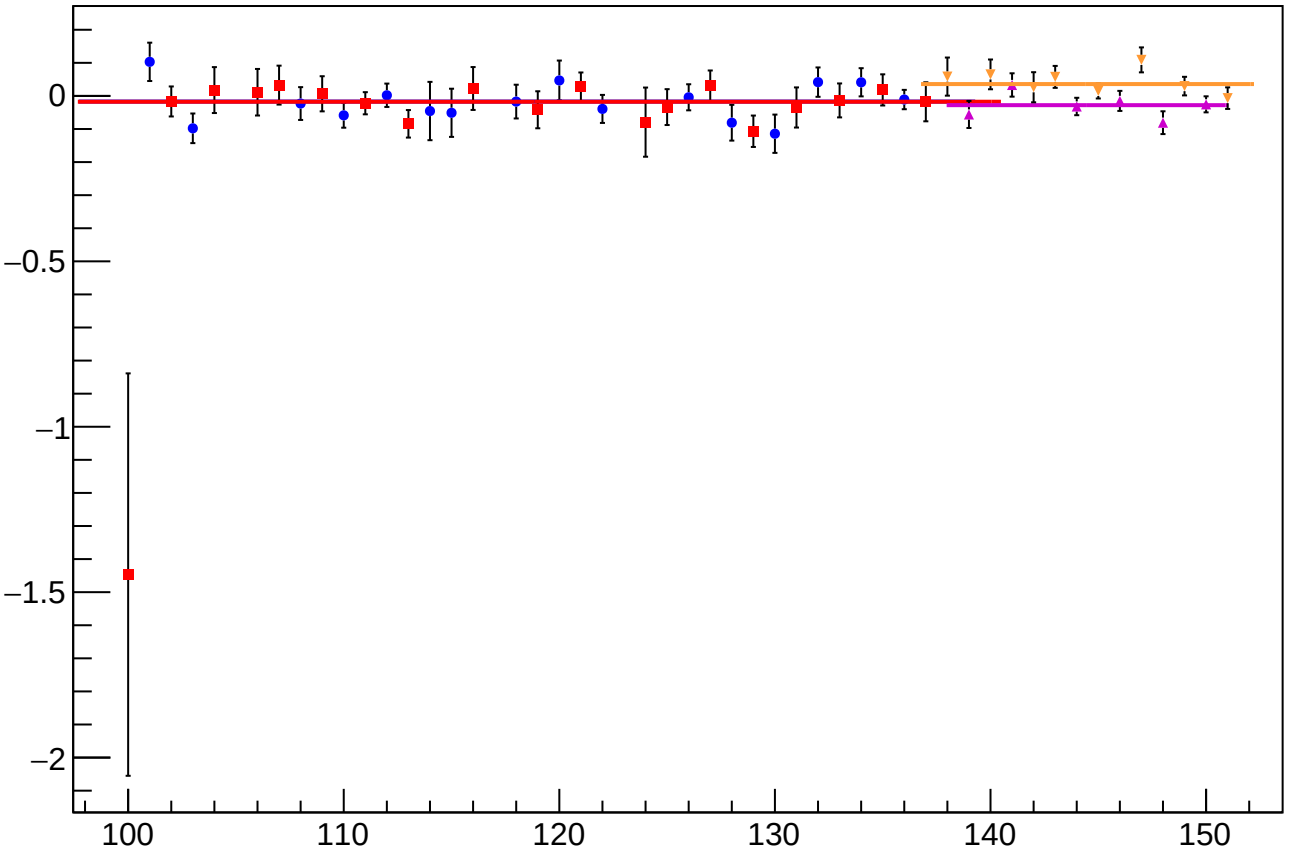
Left: 0.000+/-0.000 χ^2/NDF: 522978.0/13

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2366666.8/21

Out: 0.000+/-0.000 χ^2/NDF:2184336.2/26

All: 0.000+/-0.000 χ^2/NDF: 4596038.2/48



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.012 χ^2/NDF:7.4/7

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.028+/-0.012 χ^2/NDF:6.0/5

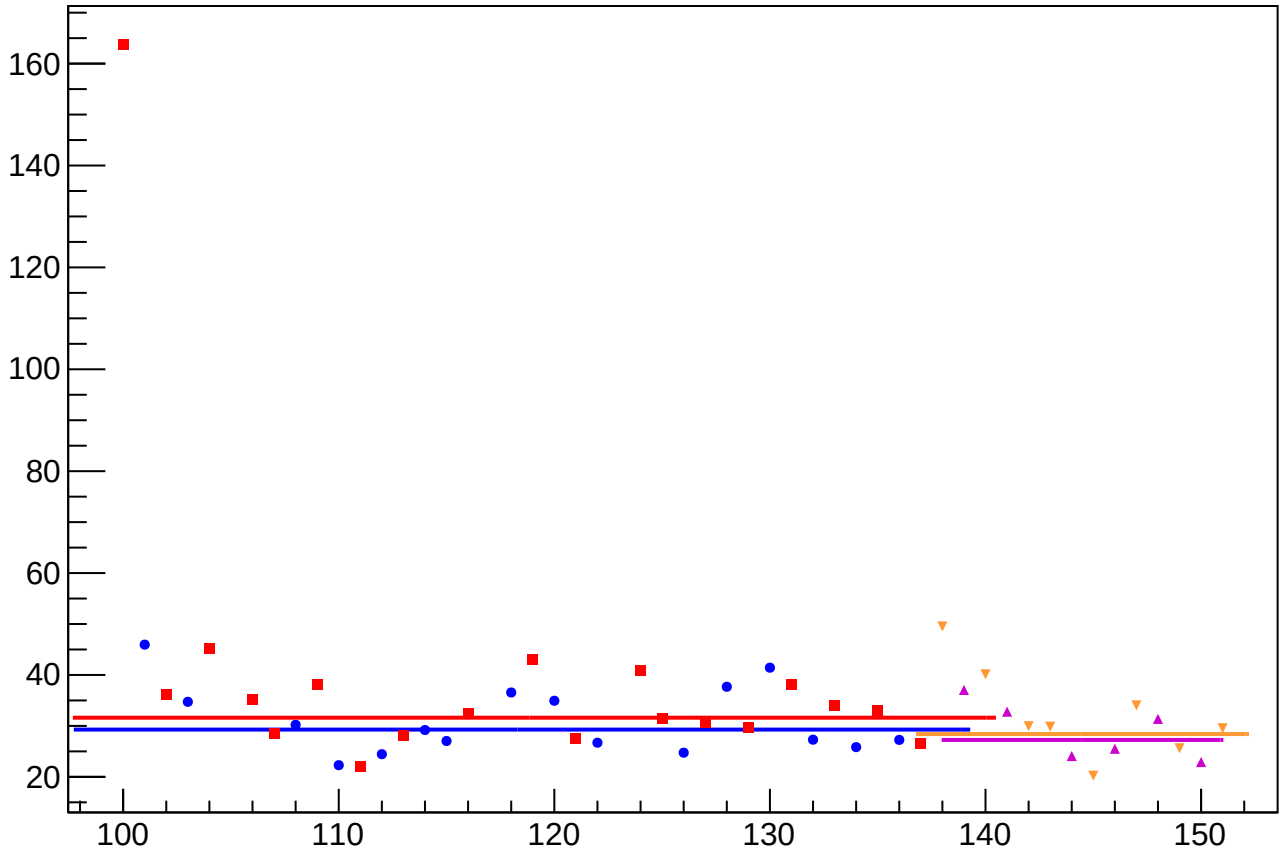
Left: 0.005+/-0.009 χ^2/NDF: 27.1/13

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.008 χ^2/NDF:25.3/21

Out: 0.010+/-0.008 χ^2/NDF:34.1/26

All: -0.006+/-0.006 χ^2/NDF: 66.3/48



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.400+/-0.008 χ^2/NDF:734384.0/7

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.246+/-0.009 χ^2/NDF:293034.5/5

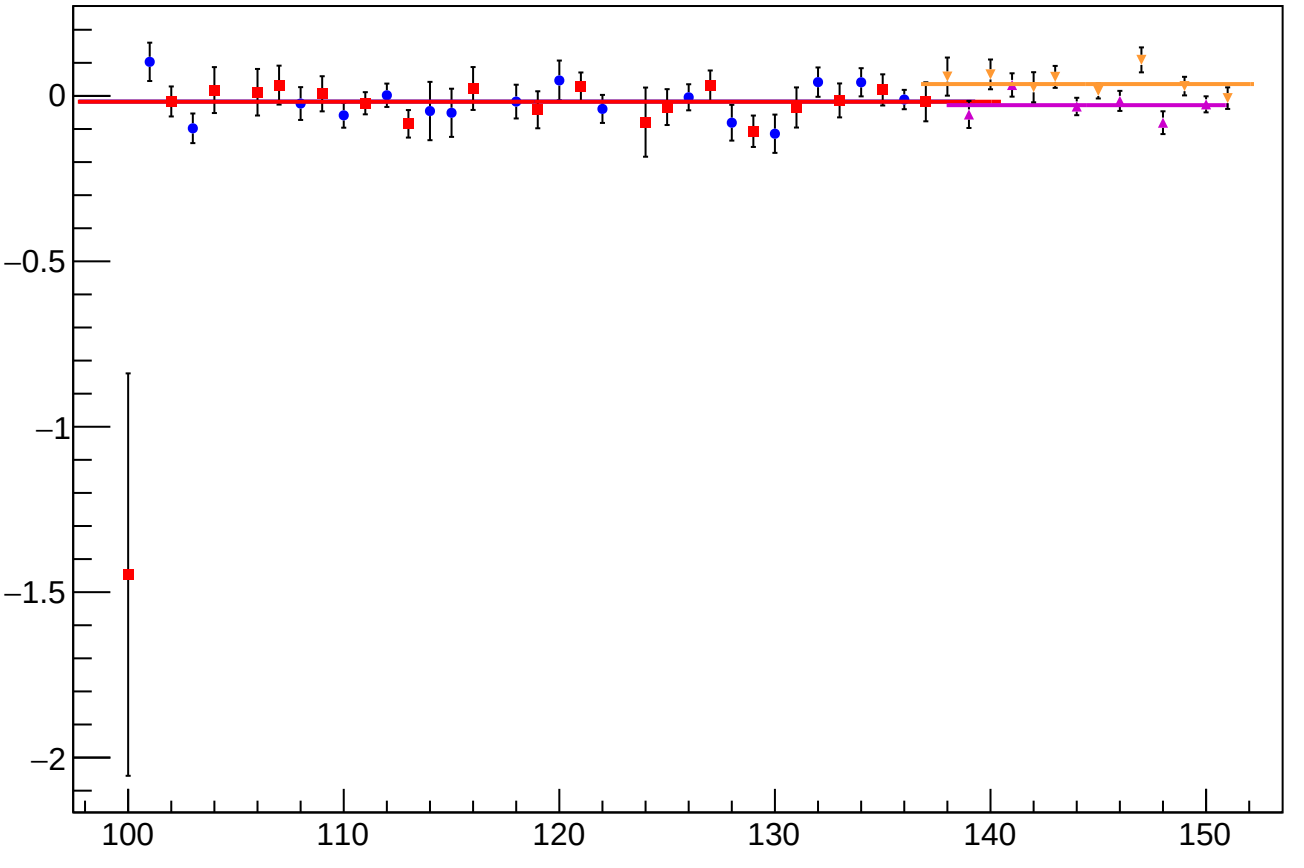
Left: 27.846+/-0.006 χ^2/NDF: 1036392.1/13

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.354+/-0.006 χ^2/NDF:882870.9/21

Out: 29.985+/-0.006 χ^2/NDF:1378049.5/26

All: 29.158+/-0.004 χ^2/NDF: 2298272.2/48



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.012 χ^2/NDF:7.4/7

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.028+/-0.012 χ^2/NDF:6.0/5

Left: 0.005+/-0.009 χ^2/NDF: 27.1/13

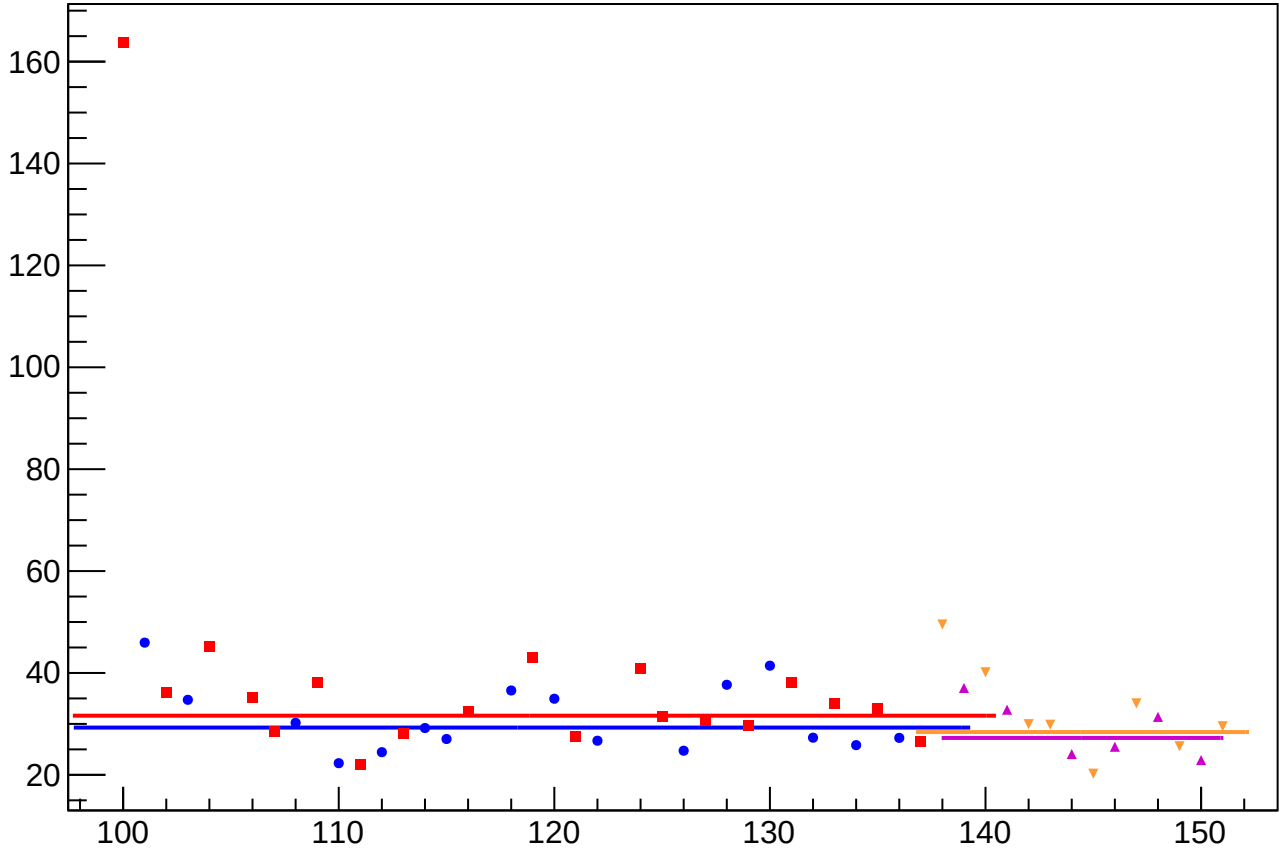
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.008 χ^2/NDF:25.3/21

Out: 0.010+/-0.008 χ^2/NDF:34.1/26

All: -0.006+/-0.006 χ^2/NDF: 66.3/48

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: 28.400+/-0.008 χ^2/NDF:734384.0/7

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.246+/-0.009 χ^2/NDF:293034.5/5

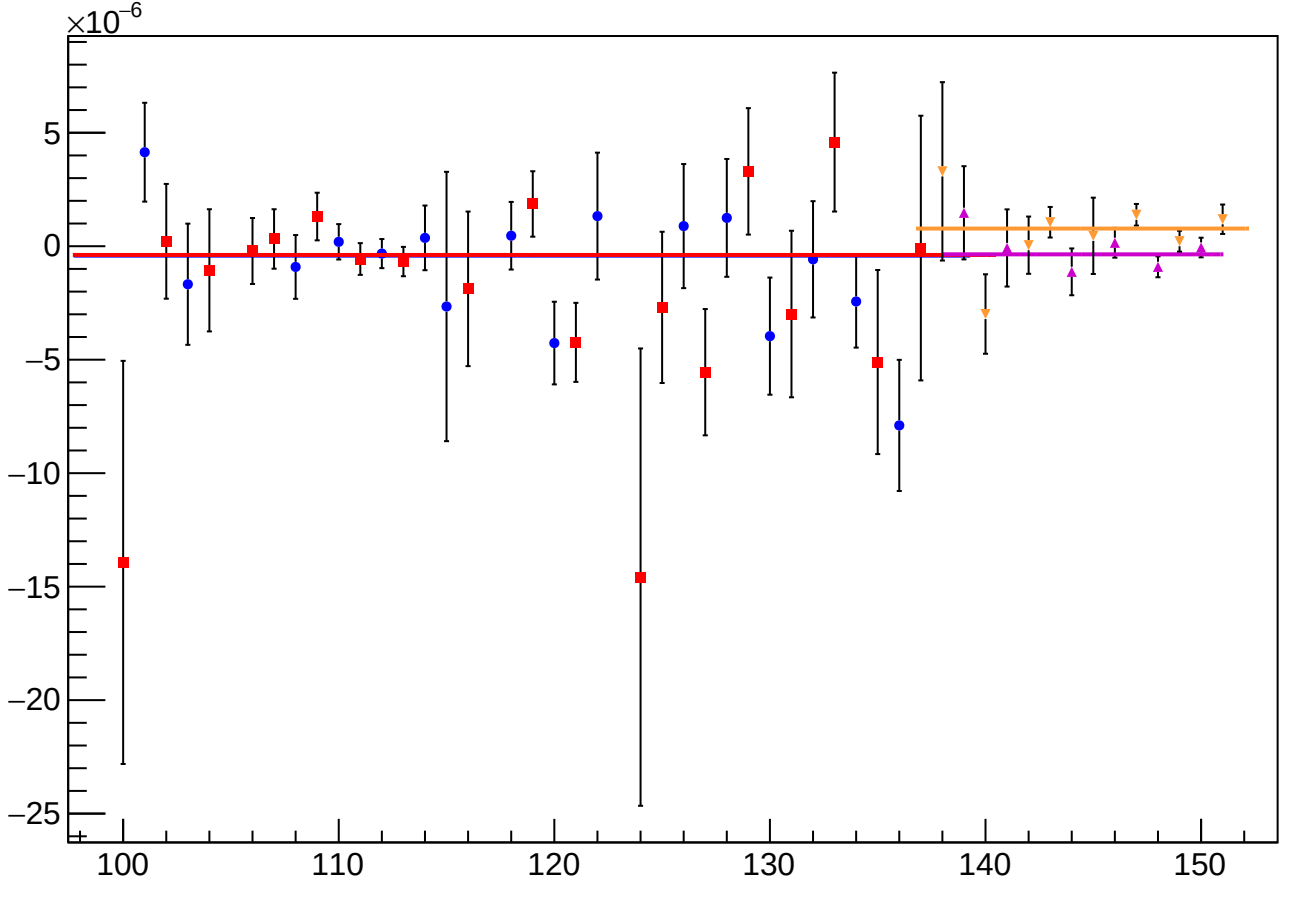
Left: 27.846+/-0.006 χ^2/NDF: 1036392.1/13

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.354+/-0.006 χ^2/NDF:882870.9/21

Out: 29.985+/-0.006 χ^2/NDF:1378049.5/26

All: 29.158+/-0.004 χ^2/NDF: 2298272.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/5

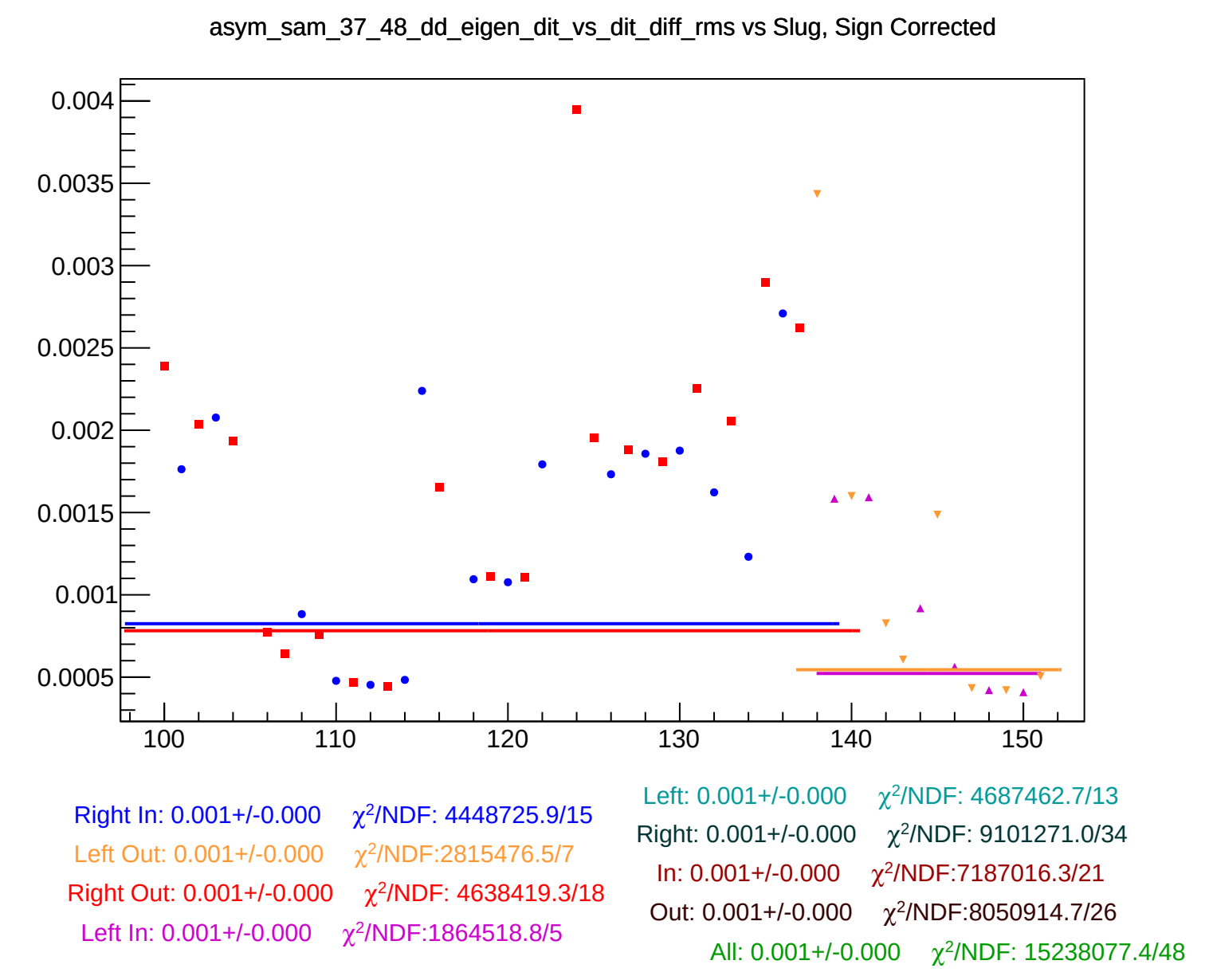
Left: 0.000+/-0.000 χ^2/NDF: 22.3/13

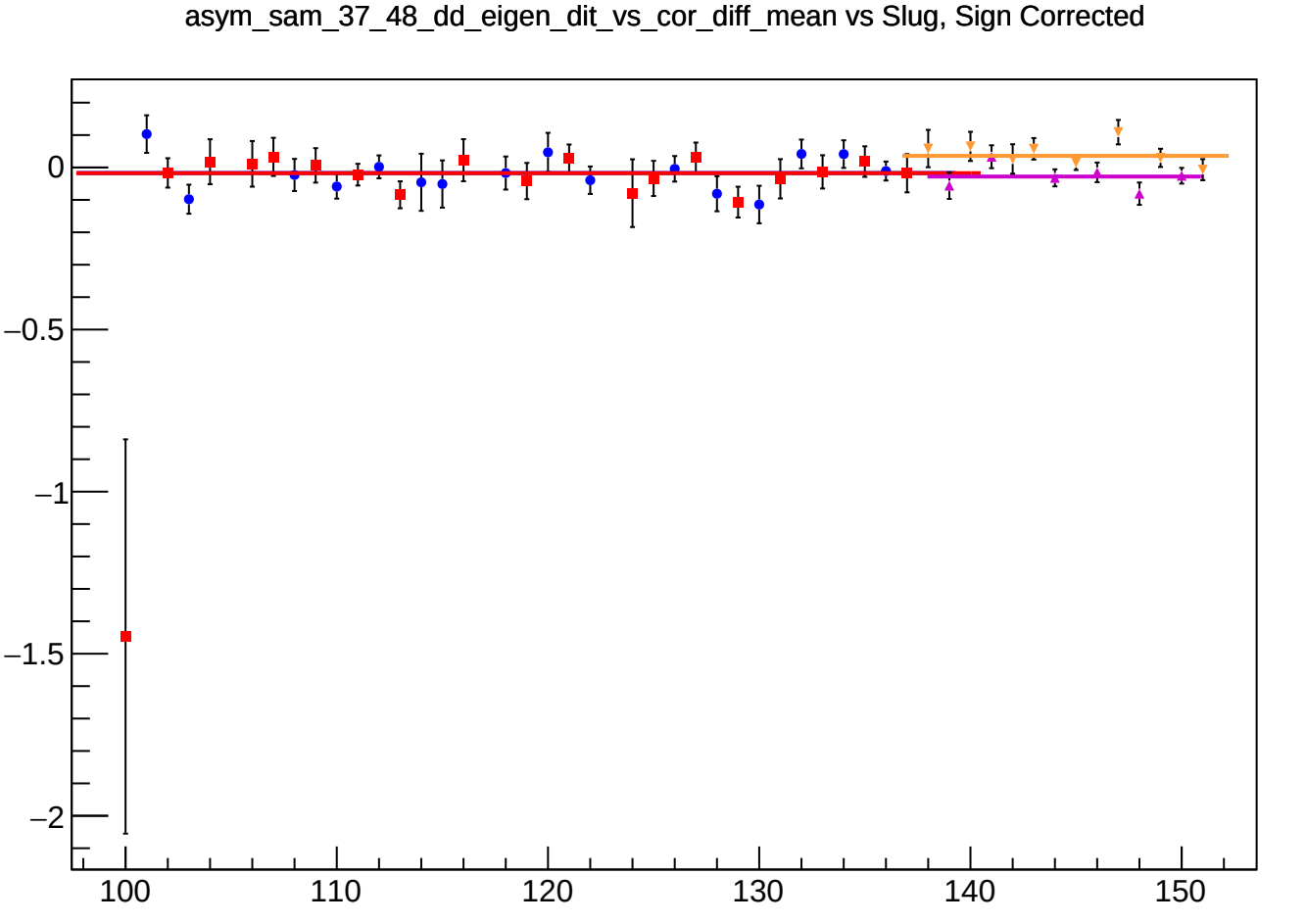
Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:25.2/21

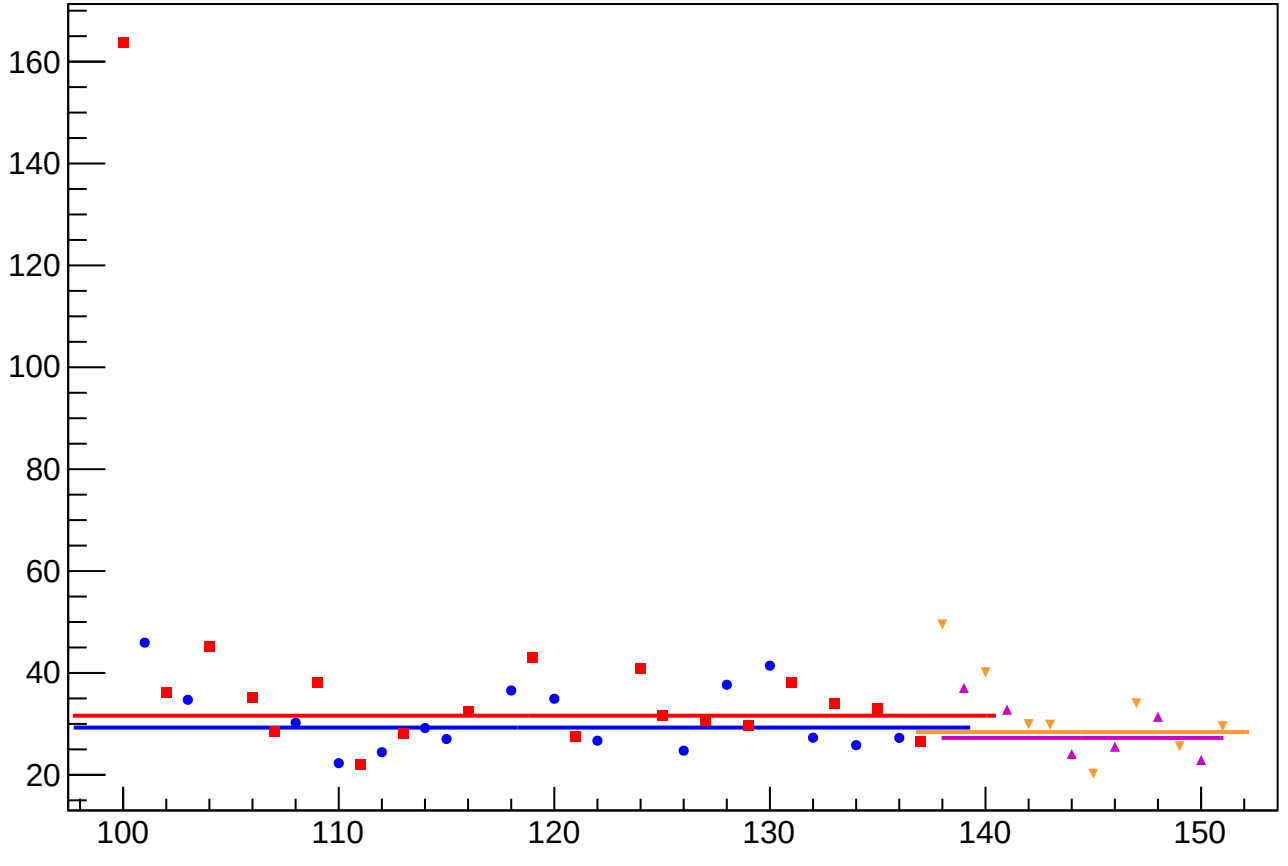
Out: 0.000+/-0.000 χ^2/NDF:41.6/26

All: 0.000+/-0.000 χ^2/NDF: 72.9/48


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2815476.5/7
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:1864518.8/5
Left: 0.001+/-0.000 χ²/NDF: 4687462.7/13
Right: 0.001+/-0.000 χ²/NDF: 9101271.0/34
In: 0.001+/-0.000 χ²/NDF:7187016.3/21
Out: 0.001+/-0.000 χ²/NDF:8050914.7/26
All: 0.001+/-0.000 χ²/NDF: 15238077.4/48


asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: -0.017+/-0.011 χ²/NDF: 18.8/15
Left Out: 0.036+/-0.012 χ²/NDF:7.4/7
Right Out: -0.018+/-0.012 χ²/NDF: 16.8/18
Left In: -0.028+/-0.012 χ²/NDF:6.0/5
Left: 0.005+/-0.009 χ²/NDF: 27.1/13
Right: -0.017+/-0.008 χ²/NDF: 35.7/34
In: -0.022+/-0.008 χ²/NDF:25.3/21
Out: 0.010+/-0.008 χ²/NDF:34.1/26
All: -0.006+/-0.006 χ²/NDF: 66.3/48

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: 28.400+/-0.008 χ^2/NDF:734430.8/7

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.246+/-0.009 χ^2/NDF:293007.0/5

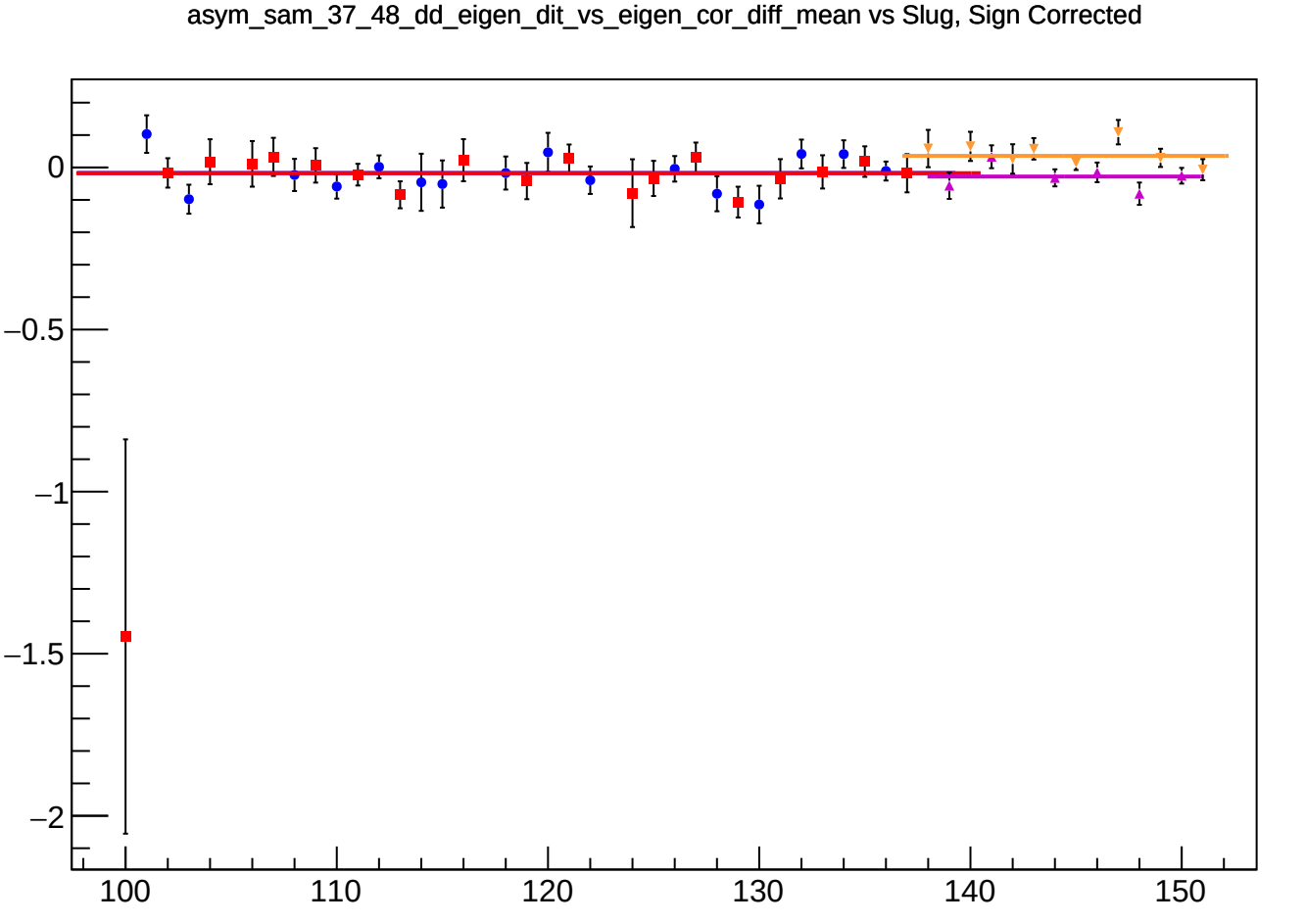
Left: 27.846+/-0.006 χ^2/NDF: 1036405.1/13

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.354+/-0.006 χ^2/NDF:882844.8/21

Out: 29.985+/-0.006 χ^2/NDF:1378120.7/26

All: 29.158+/-0.004 χ^2/NDF: 2298309.5/48



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.036+/-0.012 χ^2/NDF:7.4/7

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.028+/-0.012 χ^2/NDF:6.0/5

Left: 0.005+/-0.009 χ^2/NDF: 27.1/13

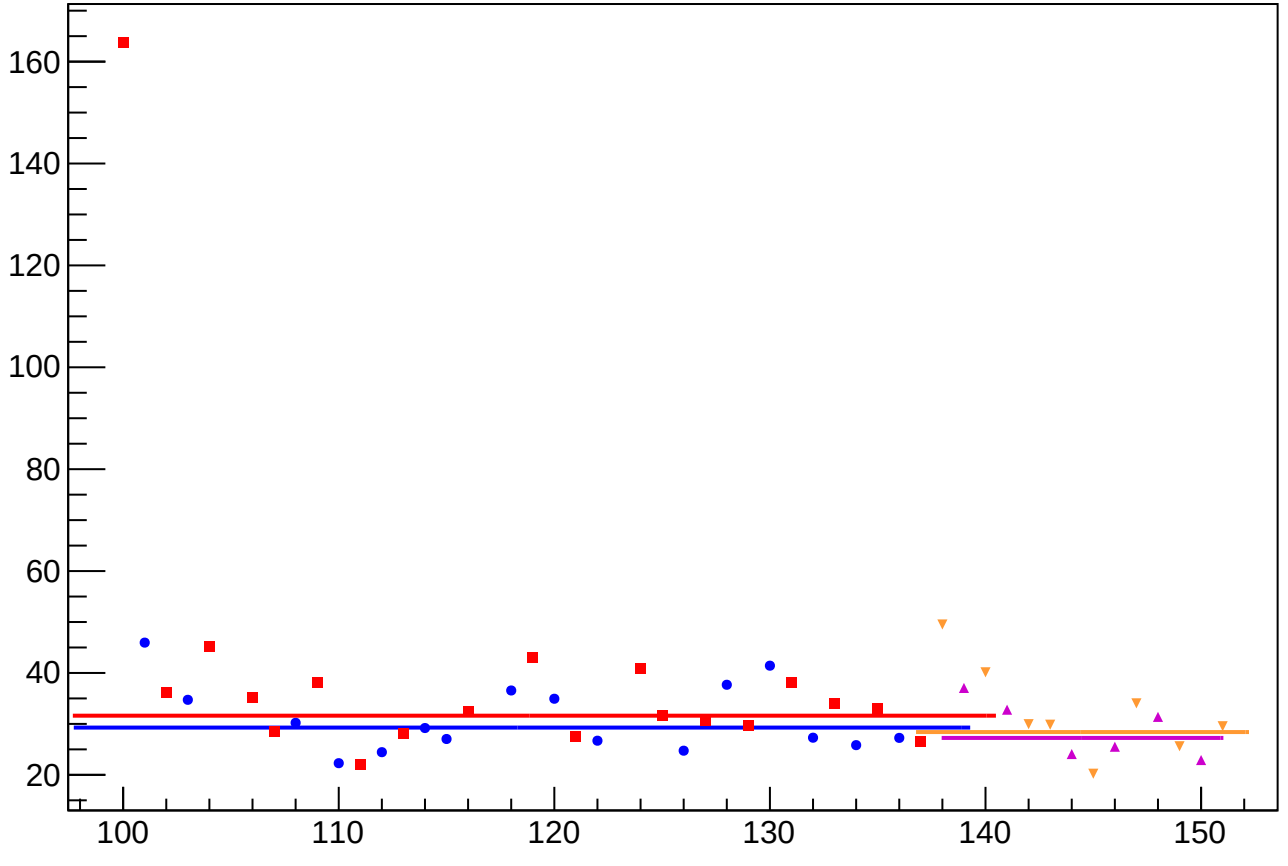
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.022+/-0.008 χ^2/NDF:25.3/21

Out: 0.010+/-0.008 χ^2/NDF:34.1/26

All: -0.006+/-0.006 χ^2/NDF: 66.3/48

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: 28.400+/-0.008 χ^2/NDF:734430.8/7

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.246+/-0.009 χ^2/NDF:293007.0/5

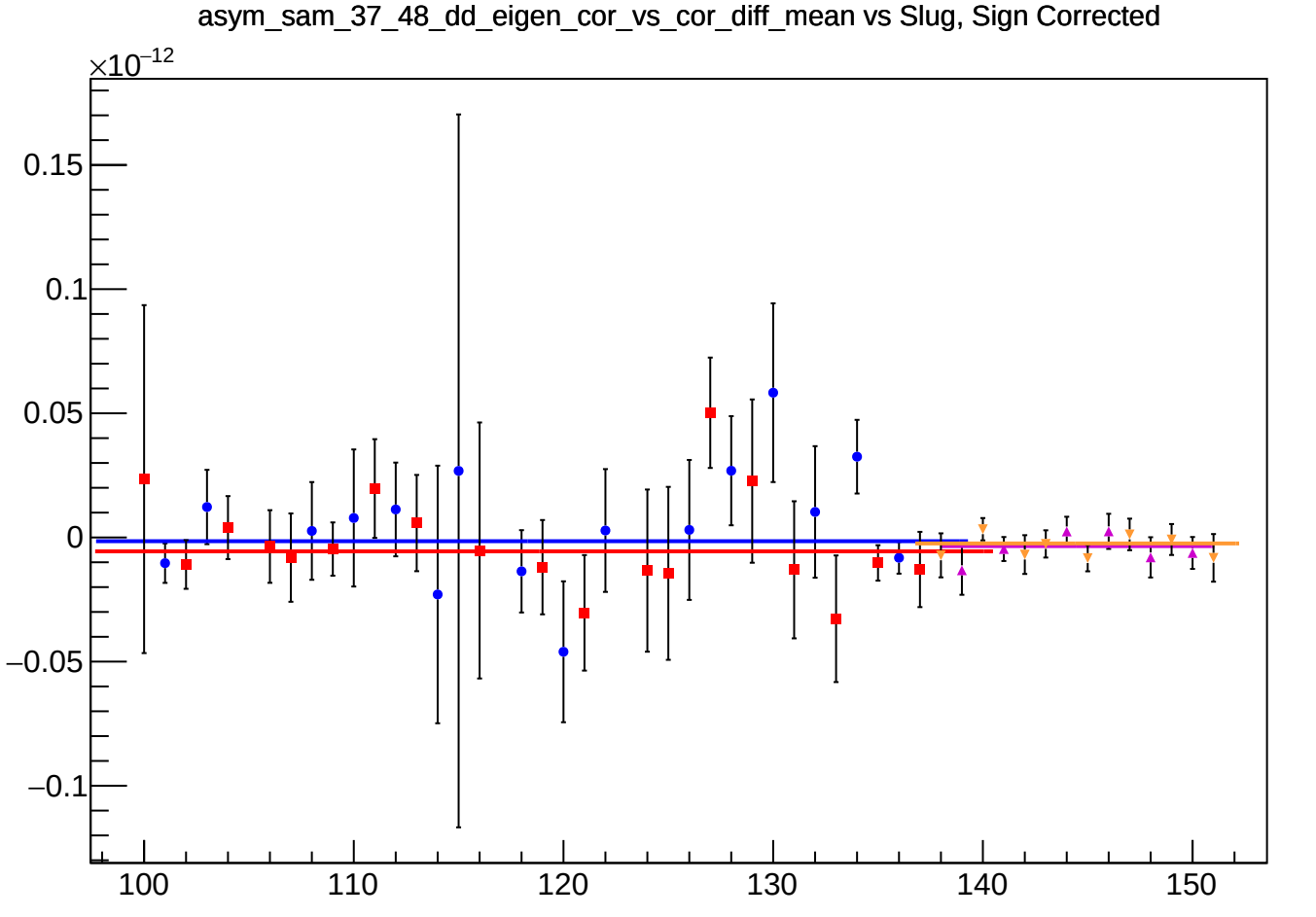
Left: 27.846+/-0.006 χ^2/NDF: 1036405.1/13

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.354+/-0.006 χ^2/NDF:882844.8/21

Out: 29.985+/-0.006 χ^2/NDF:1378120.7/26

All: 29.158+/-0.004 χ^2/NDF: 2298309.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.2/5

Left: -0.000+/-0.000 χ^2/NDF: 7.6/13

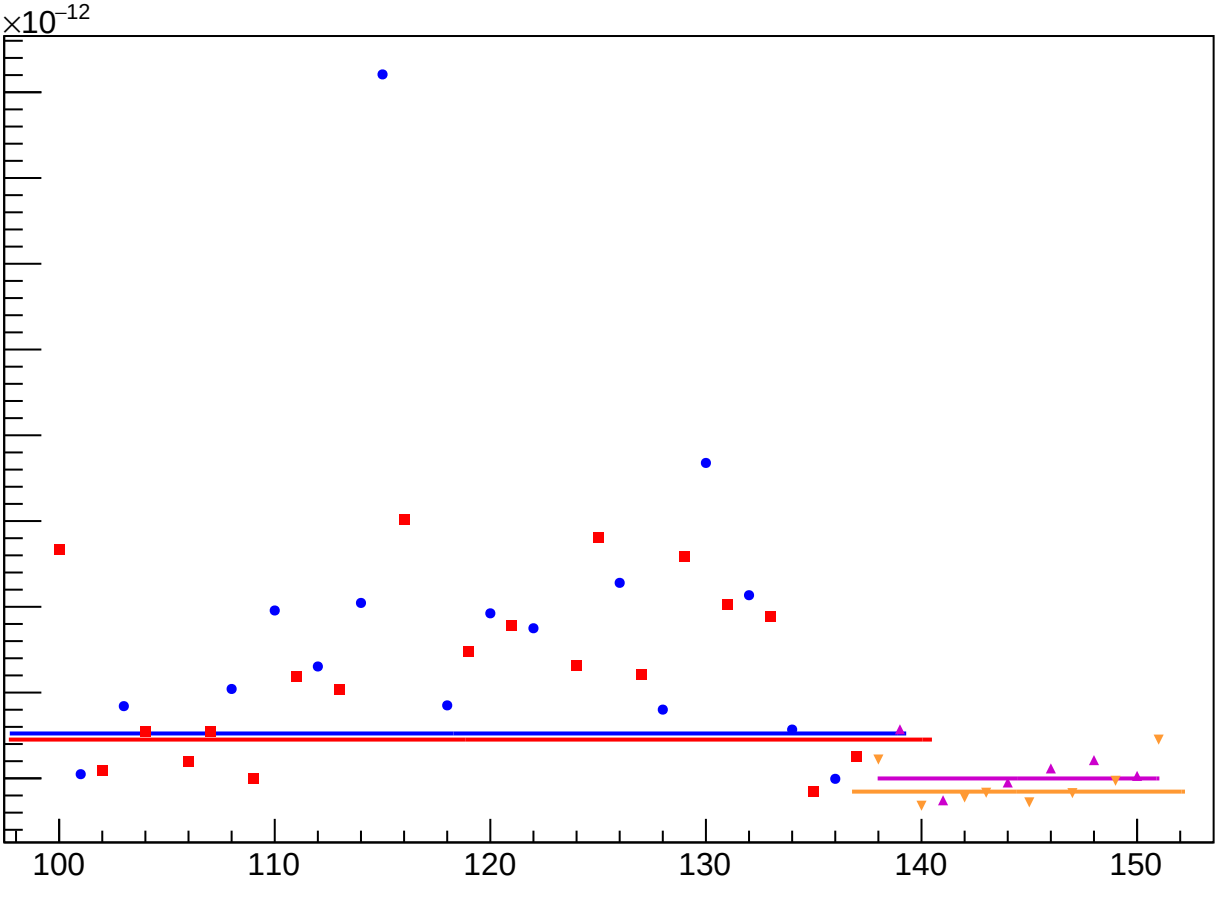
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:20.4/21

Out: -0.000+/-0.000 χ^2/NDF:18.1/26

All: -0.000+/-0.000 χ^2/NDF: 38.5/48

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:408730.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:359869.8/5

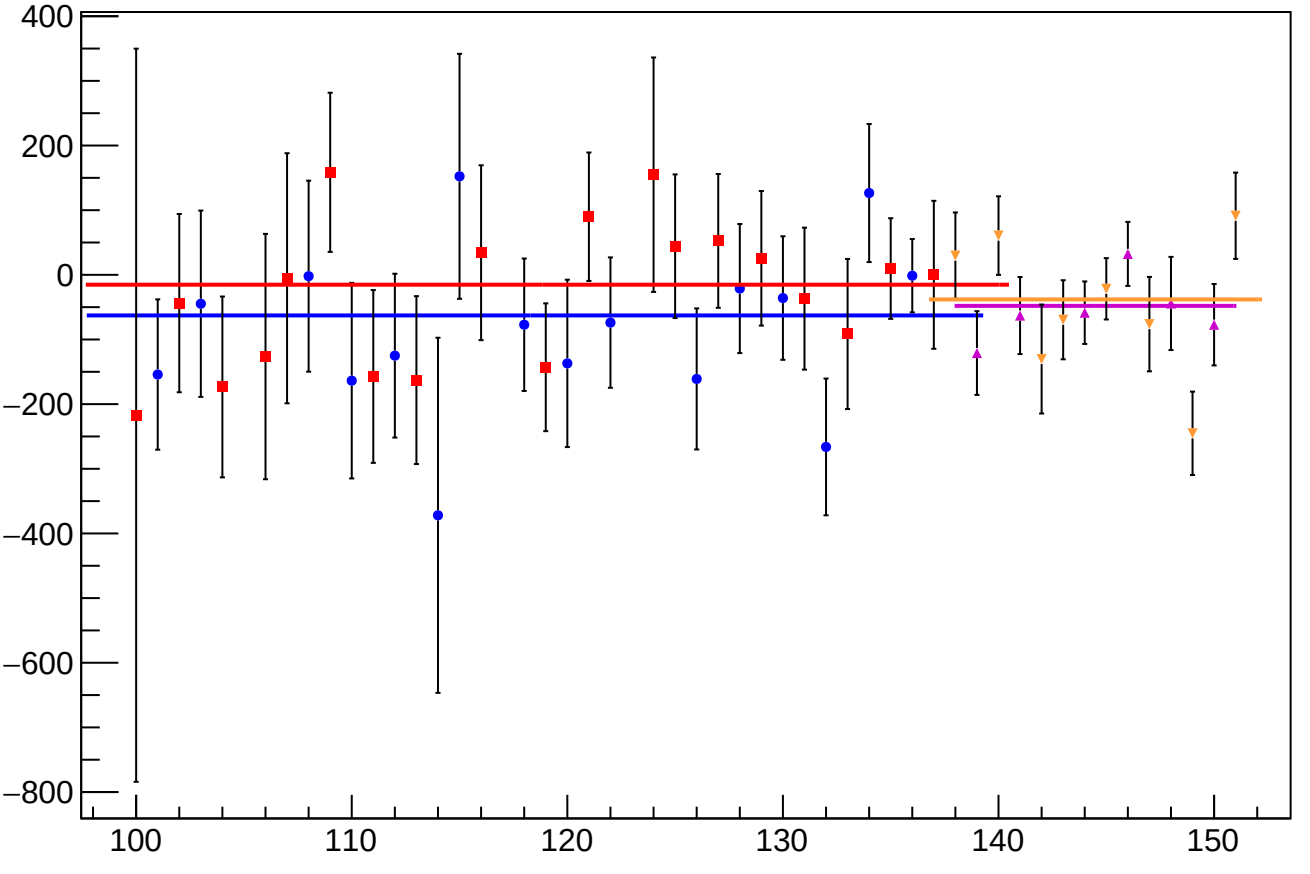
Left: 0.000+/-0.000 χ^2/NDF: 867711.5/13

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3015273.7/21

Out: 0.000+/-0.000 χ^2/NDF:3423295.0/26

All: 0.000+/-0.000 χ^2/NDF: 6601028.9/48



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.045+/-22.360 χ^2/NDF:19.6/7

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -48.000+/-23.566 χ^2/NDF:4.2/5

Left: -42.761+/-16.221 χ^2/NDF: 23.9/13

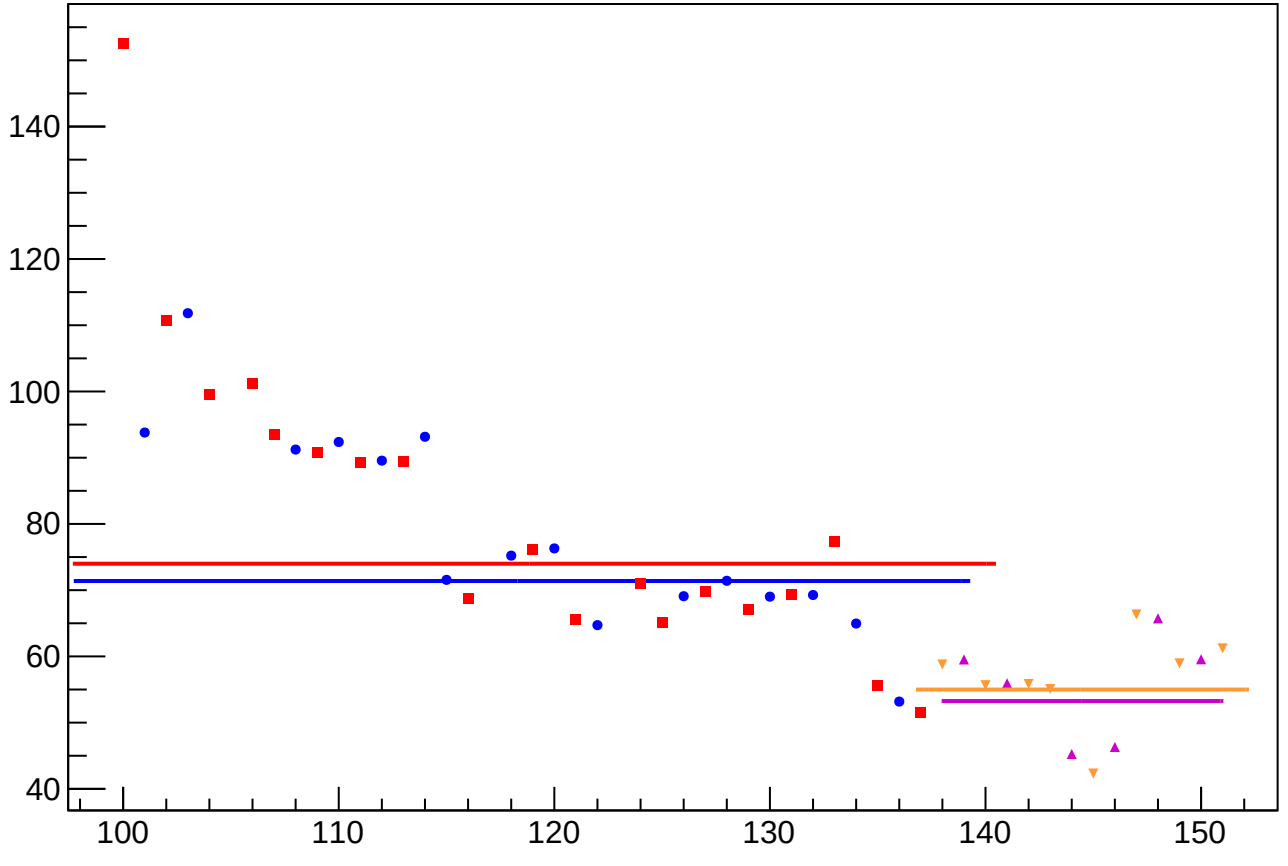
Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -54.342+/-17.815 χ^2/NDF:17.9/21

Out: -29.094+/-17.416 χ^2/NDF:31.5/26

All: -41.432+/-12.454 χ^2/NDF: 50.4/48

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.995+/-0.016 χ^2/NDF:222924.3/7

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.262+/-0.017 χ^2/NDF:197027.2/5

Left: 54.174+/-0.011 χ^2/NDF: 425644.2/13

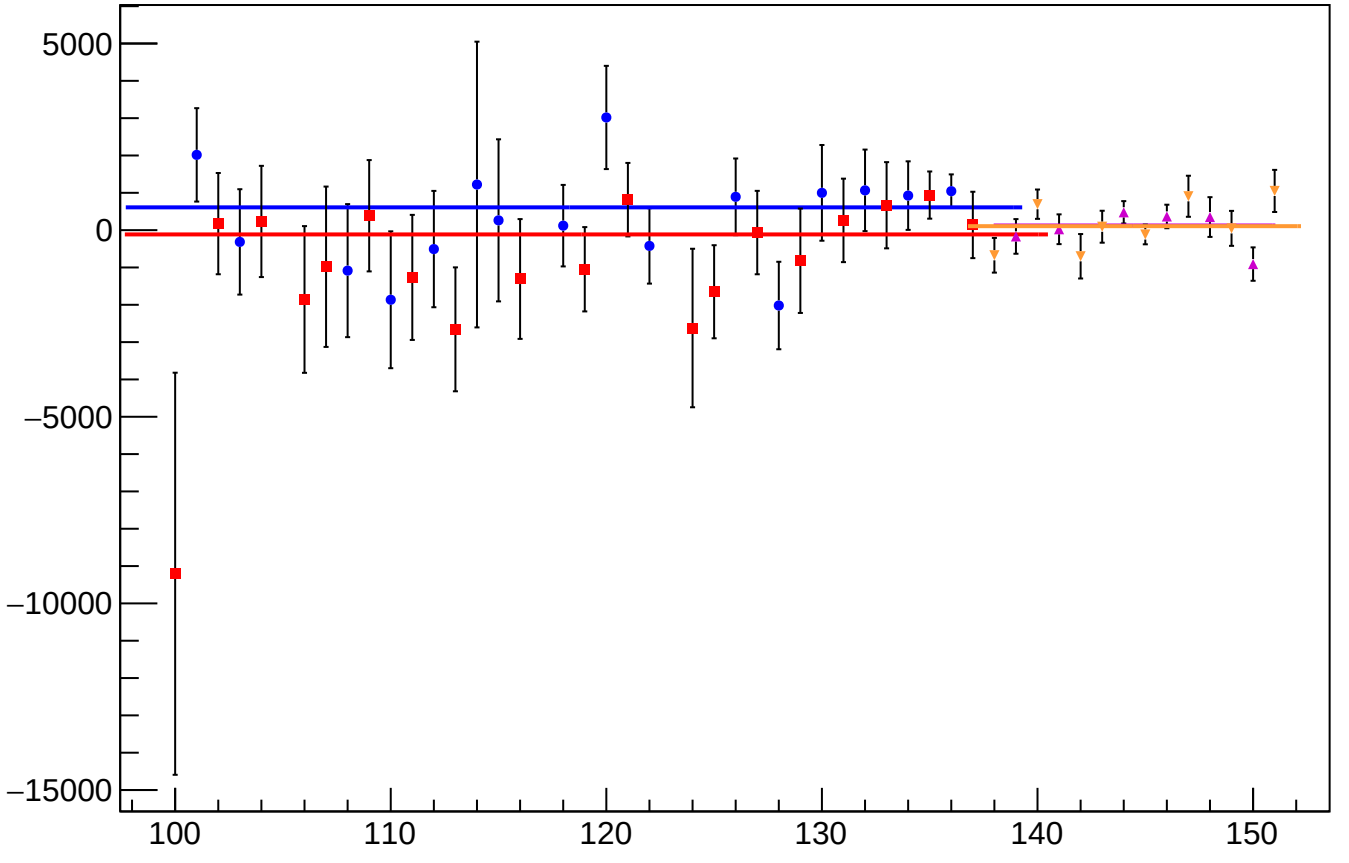
Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 61.028+/-0.013 χ^2/NDF:1294744.6/21

Out: 62.468+/-0.012 χ^2/NDF:1429294.7/26

All: 61.764+/-0.009 χ^2/NDF: 2730719.4/48

asym_sam_15_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 106.341+/-149.462 χ^2/NDF:12.5/7

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 125.103+/-156.785 χ^2/NDF:8.0/5

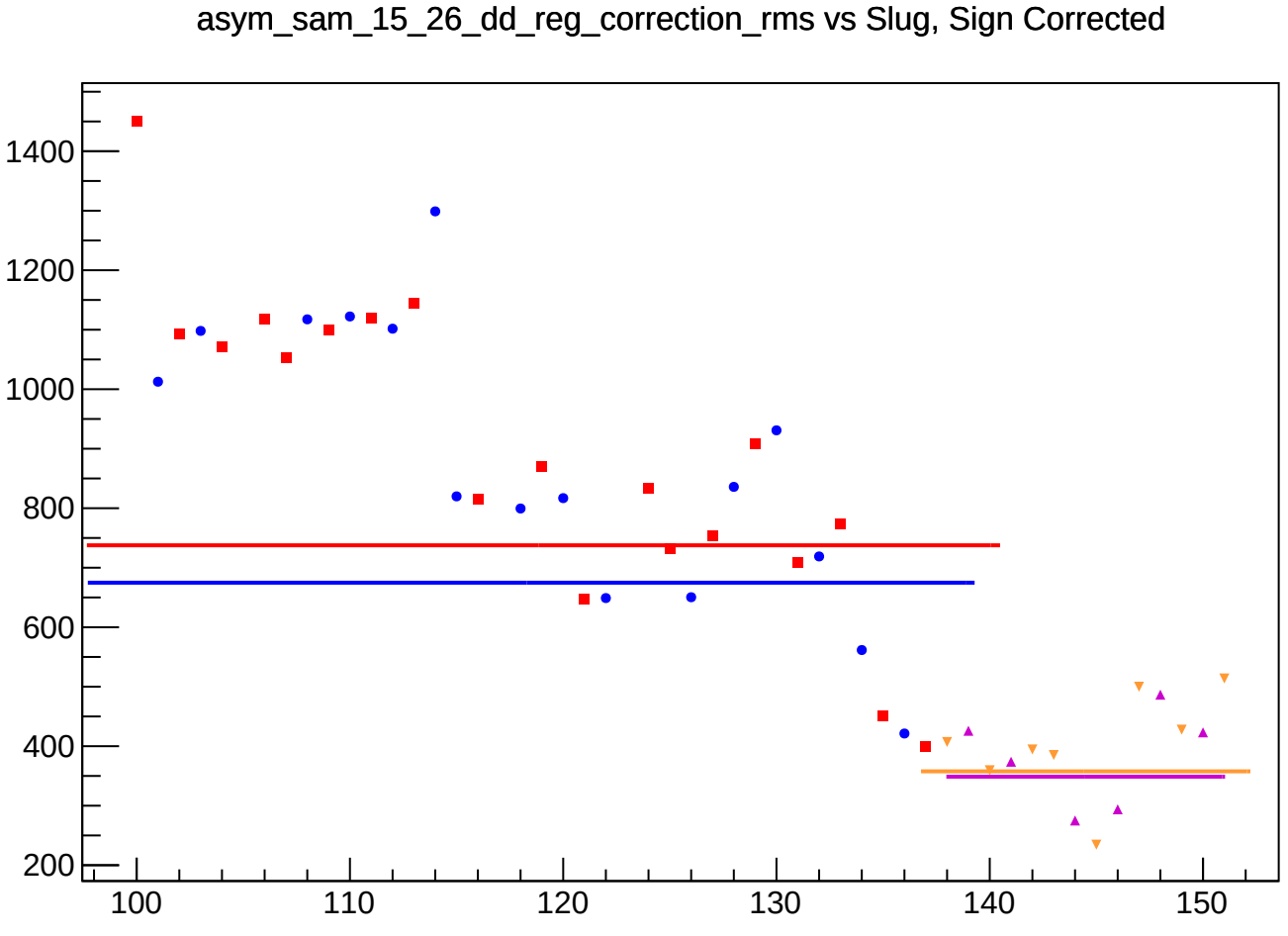
Left: 115.273+/-108.182 χ^2/NDF: 20.5/13

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 249.713+/-135.173 χ^2/NDF:26.1/21

Out: 58.495+/-132.295 χ^2/NDF:28.6/26

All: 152.047+/-94.548 χ^2/NDF: 55.7/48



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 357.766+/-0.106 χ^2/NDF:806918.6/7

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 348.796+/-0.111 χ^2/NDF:434385.5/5

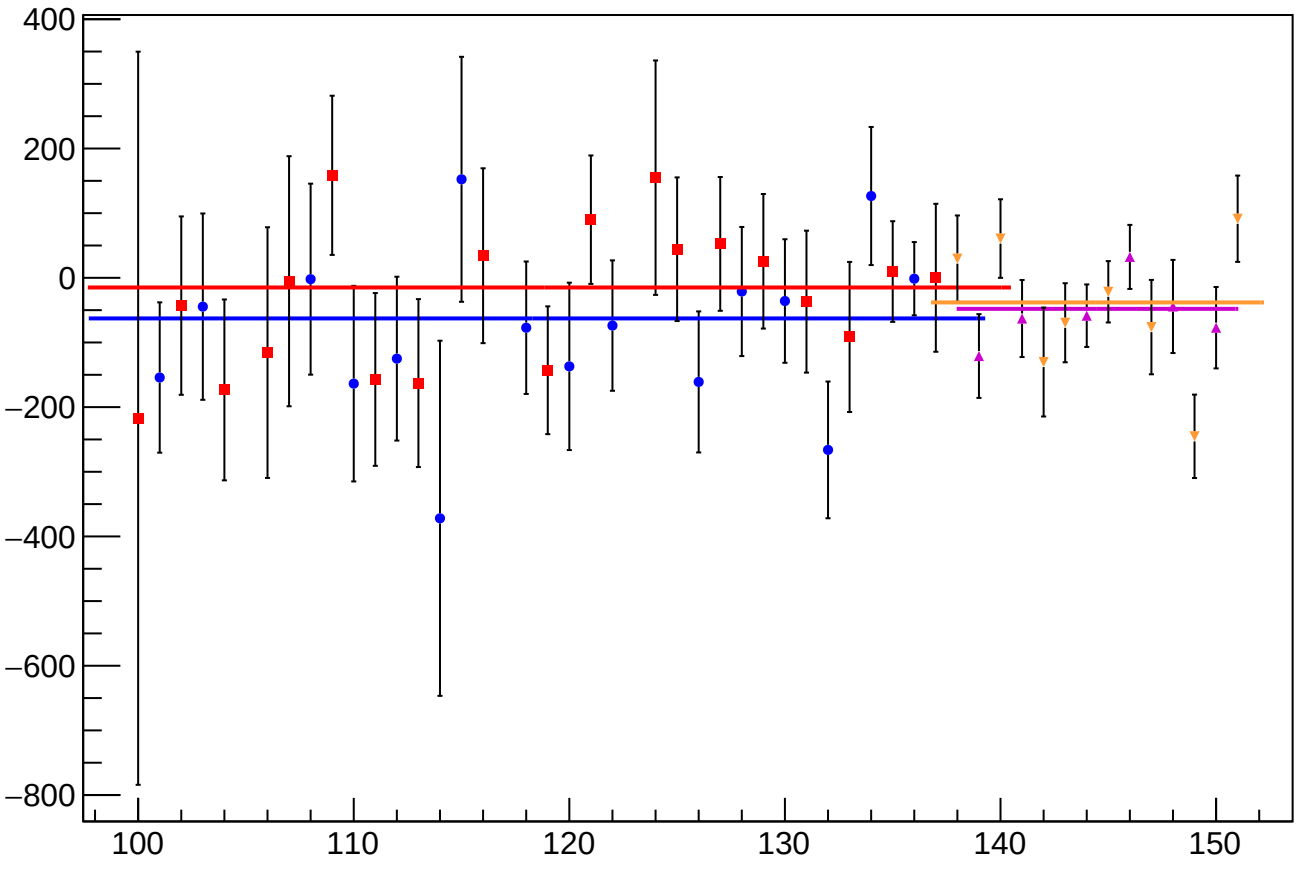
Left: 353.495+/-0.076 χ^2/NDF: 1244733.7/13

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 432.484+/-0.096 χ^2/NDF:4271974.7/21

Out: 440.024+/-0.094 χ^2/NDF:5121521.5/26

All: 436.335+/-0.067 χ^2/NDF: 9396674.5/48



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.046+/-22.360 χ^2/NDF:19.6/7

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -48.000+/-23.566 χ^2/NDF:4.2/5

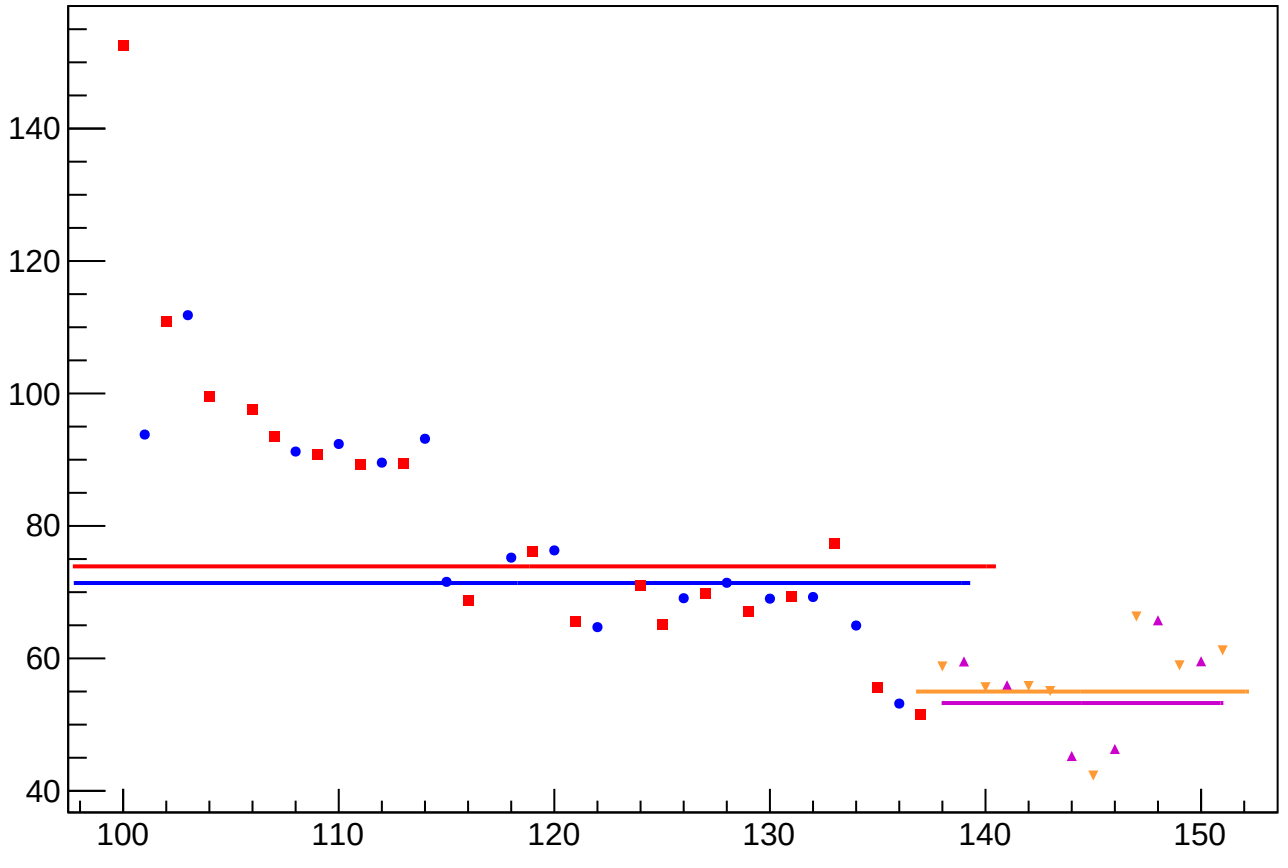
Left: -42.762+/-16.221 χ^2/NDF: 23.9/13

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -54.338+/-17.815 χ^2/NDF:17.9/21

Out: -28.960+/-17.419 χ^2/NDF:31.4/26

All: -41.364+/-12.455 χ^2/NDF: 50.3/48



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.995+/-0.016 χ^2/NDF:222924.3/7

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.262+/-0.017 χ^2/NDF:197027.2/5

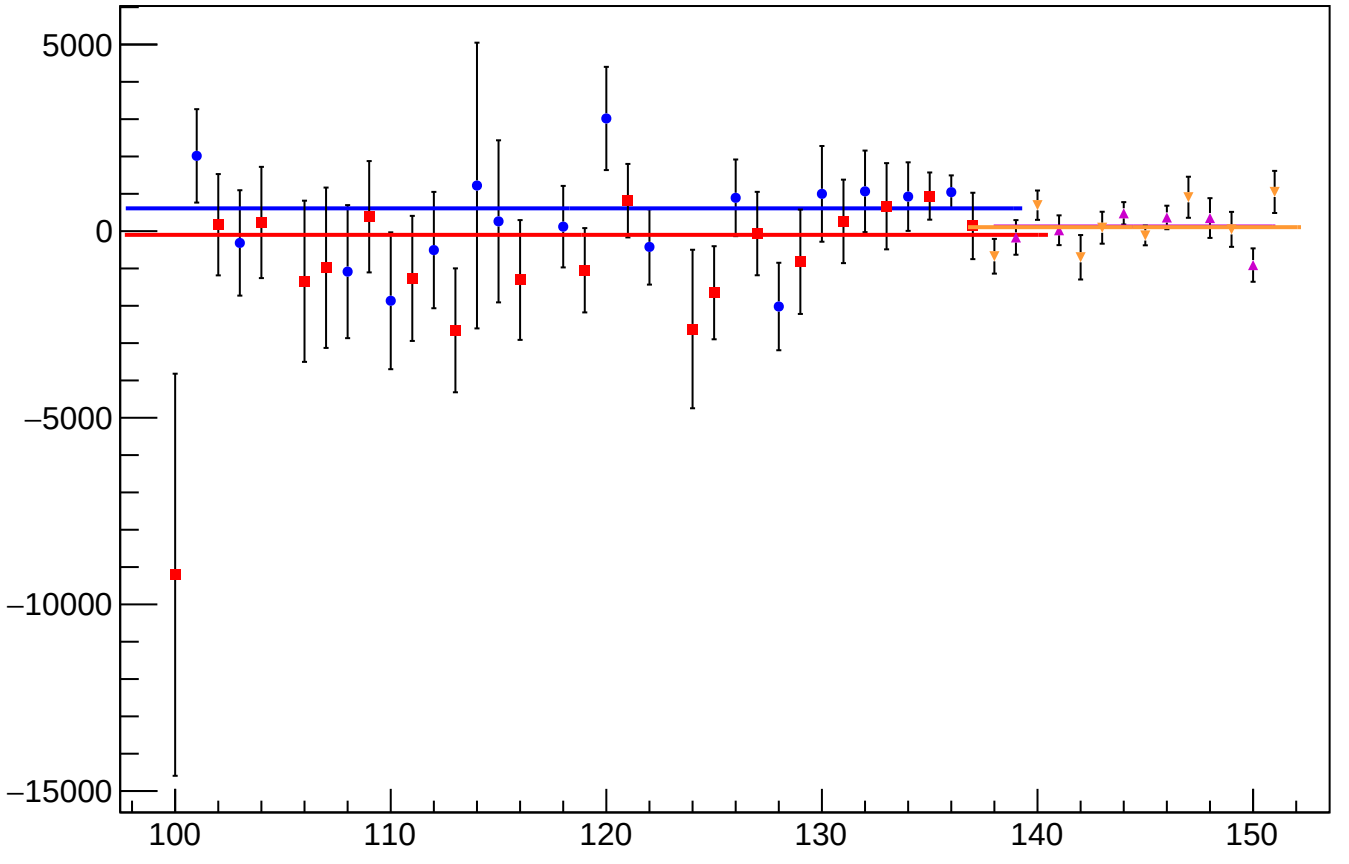
Left: 54.174+/-0.011 χ^2/NDF: 425644.2/13

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 61.028+/-0.013 χ^2/NDF:1294747.2/21

Out: 62.424+/-0.012 χ^2/NDF:1411590.7/26

All: 61.742+/-0.009 χ^2/NDF: 2712619.1/48



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 106.338+/-149.462 χ^2/NDF:12.5/7

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 125.100+/-156.785 χ^2/NDF:8.0/5

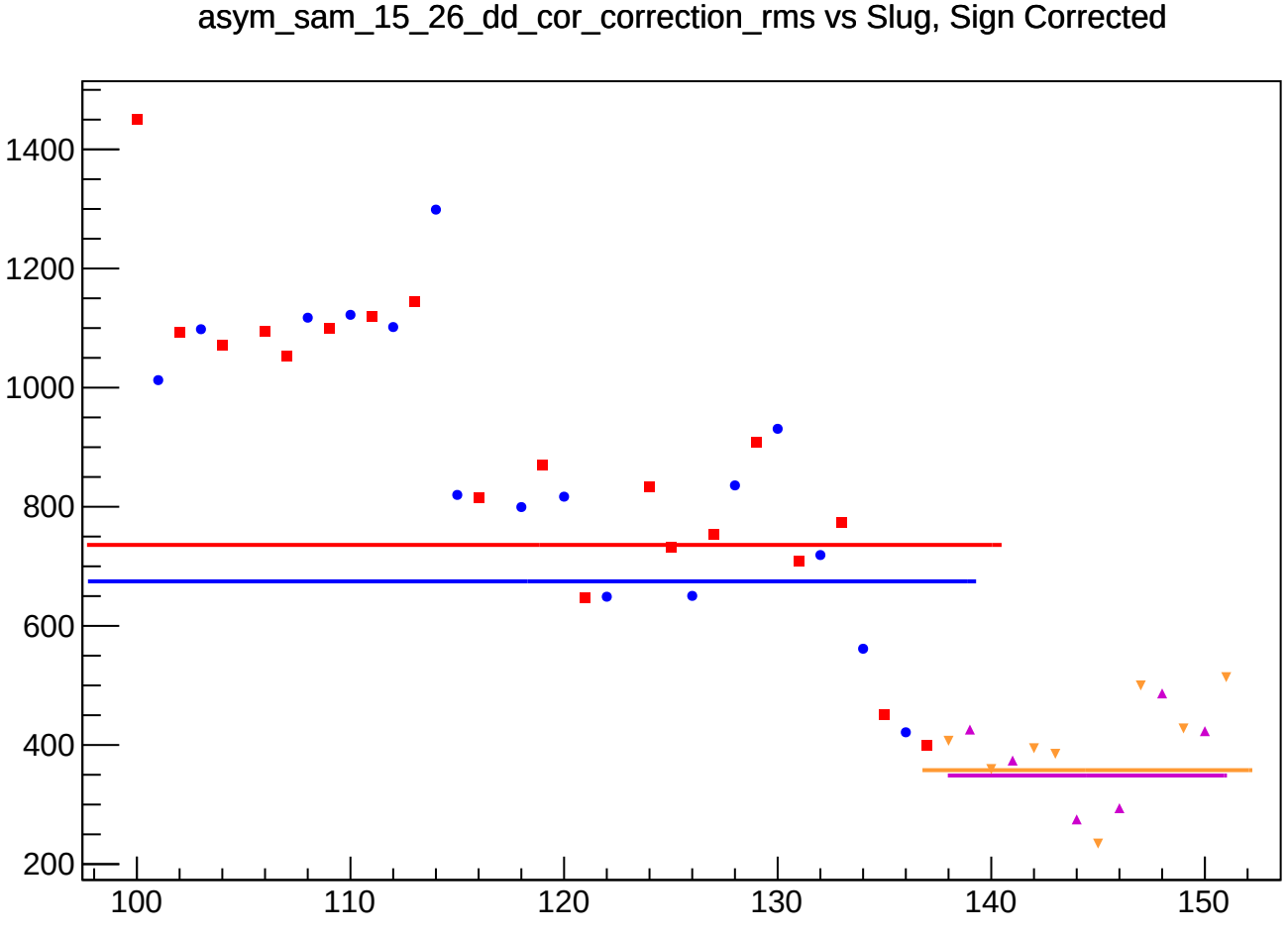
Left: 115.271+/-108.182 χ^2/NDF: 20.5/13

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 249.708+/-135.173 χ^2/NDF:26.1/21

Out: 61.885+/-132.348 χ^2/NDF:28.0/26

All: 153.813+/-94.567 χ^2/NDF: 55.1/48



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 357.765+/-0.106 χ^2/NDF:806924.1/7

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 348.796+/-0.111 χ^2/NDF:434386.2/5

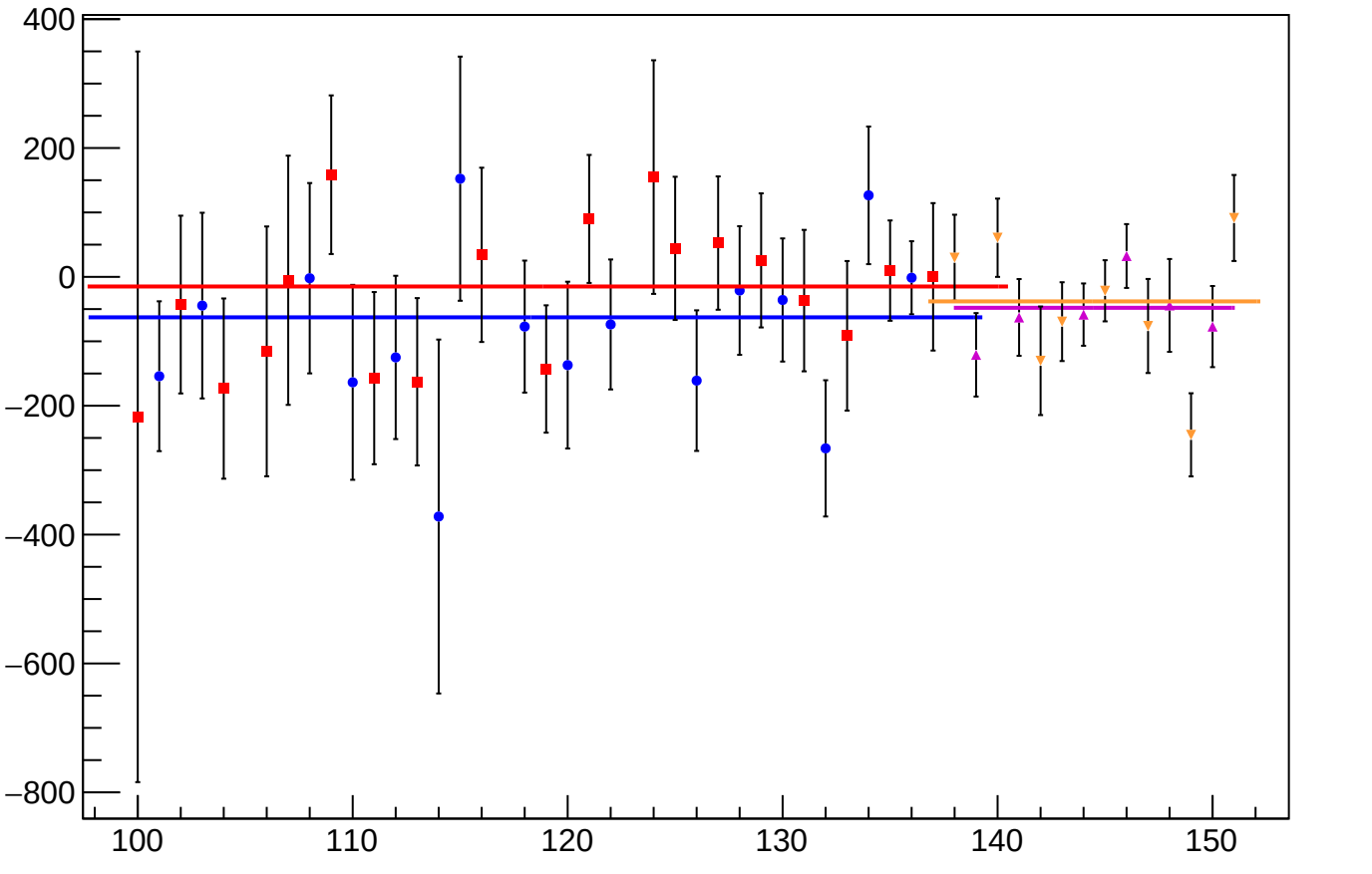
Left: 353.495+/-0.076 χ^2/NDF: 1244739.6/13

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 432.484+/-0.096 χ^2/NDF:4271998.7/21

Out: 439.410+/-0.094 χ^2/NDF:5068059.5/26

All: 436.020+/-0.067 χ^2/NDF: 9342738.7/48



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.046+/-22.360 χ^2/NDF:19.6/7

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -48.000+/-23.566 χ^2/NDF:4.2/5

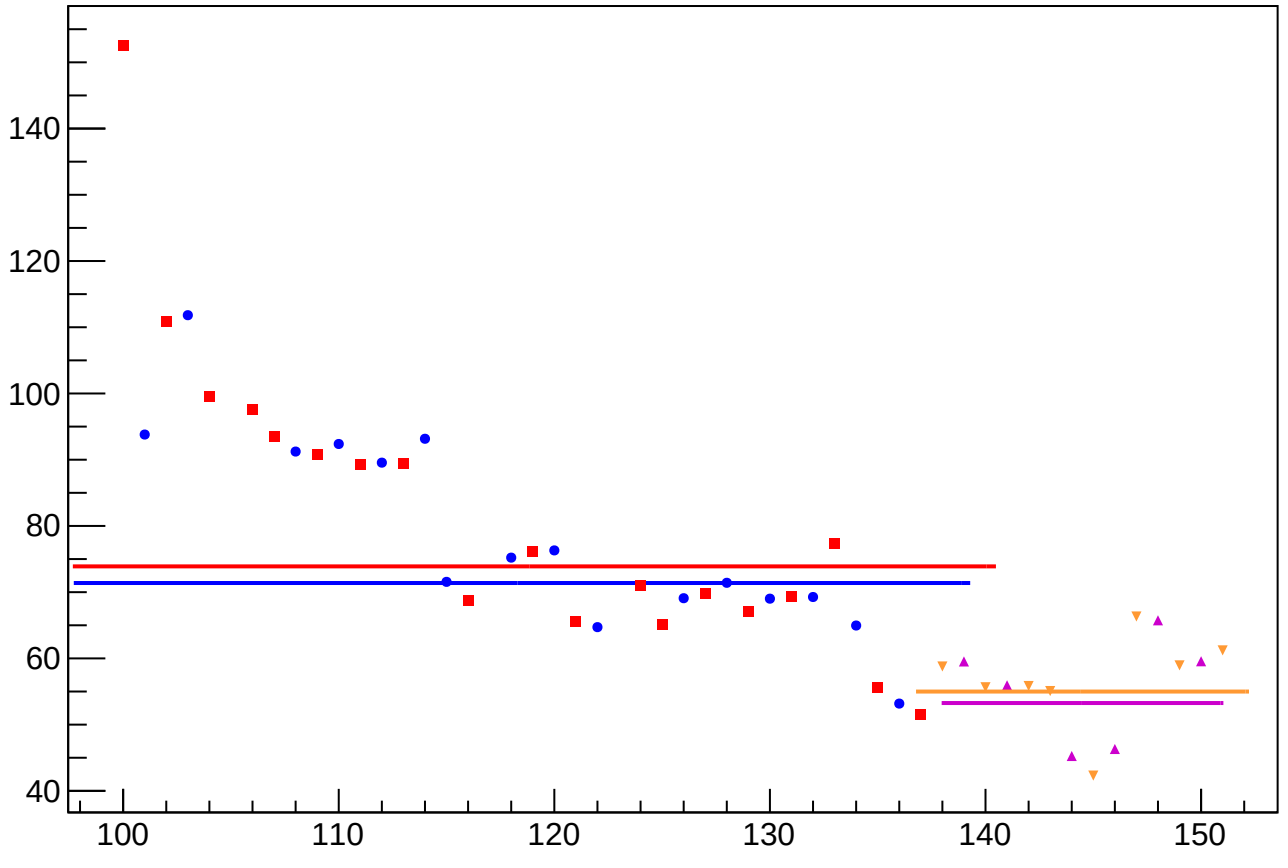
Left: -42.762+/-16.221 χ^2/NDF: 23.9/13

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -54.338+/-17.815 χ^2/NDF:17.9/21

Out: -28.960+/-17.419 χ^2/NDF:31.4/26

All: -41.364+/-12.455 χ^2/NDF: 50.3/48



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.995+/-0.016 χ^2/NDF:222924.3/7

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.262+/-0.017 χ^2/NDF:197027.2/5

Left: 54.174+/-0.011 χ^2/NDF: 425644.2/13

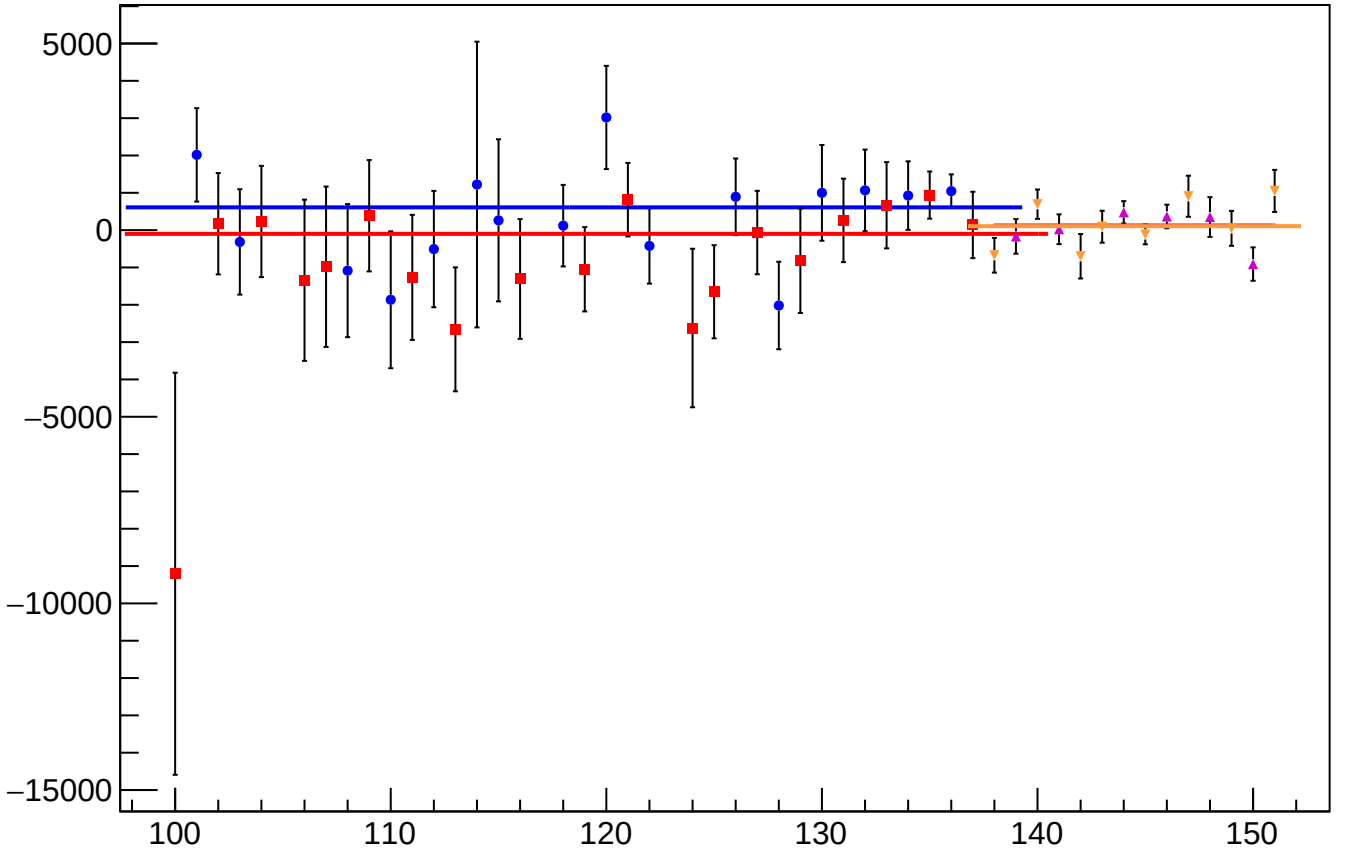
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 61.028+/-0.013 χ^2/NDF:1294747.2/21

Out: 62.424+/-0.012 χ^2/NDF:1411590.7/26

All: 61.742+/-0.009 χ^2/NDF: 2712619.1/48

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 106.338+/-149.462 χ^2/NDF:12.5/7

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 125.100+/-156.785 χ^2/NDF:8.0/5

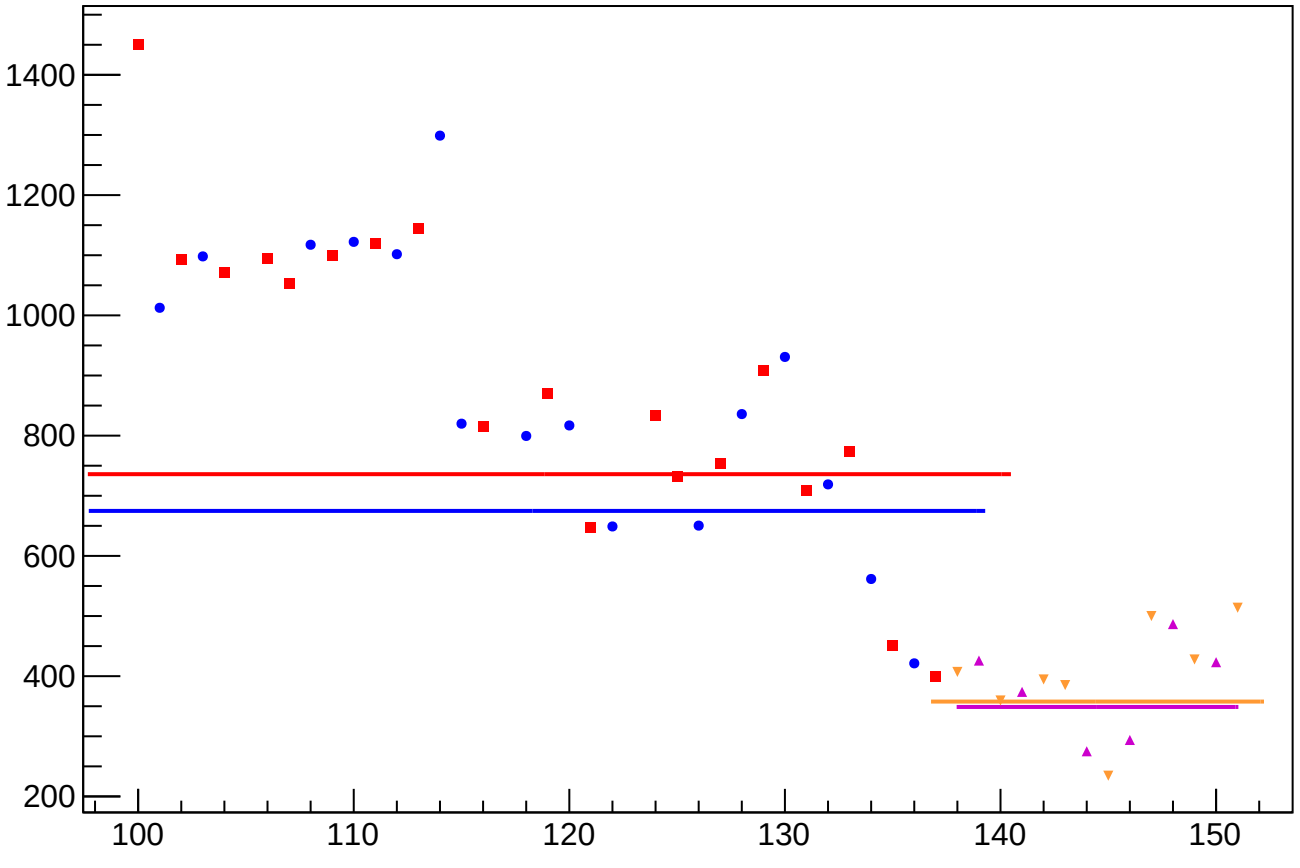
Left: 115.271+/-108.182 χ^2/NDF: 20.5/13

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 249.708+/-135.173 χ^2/NDF:26.1/21

Out: 61.885+/-132.348 χ^2/NDF:28.0/26

All: 153.813+/-94.567 χ^2/NDF: 55.1/48



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 357.765+/-0.106 χ^2/NDF:806924.1/7

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 348.796+/-0.111 χ^2/NDF:434386.2/5

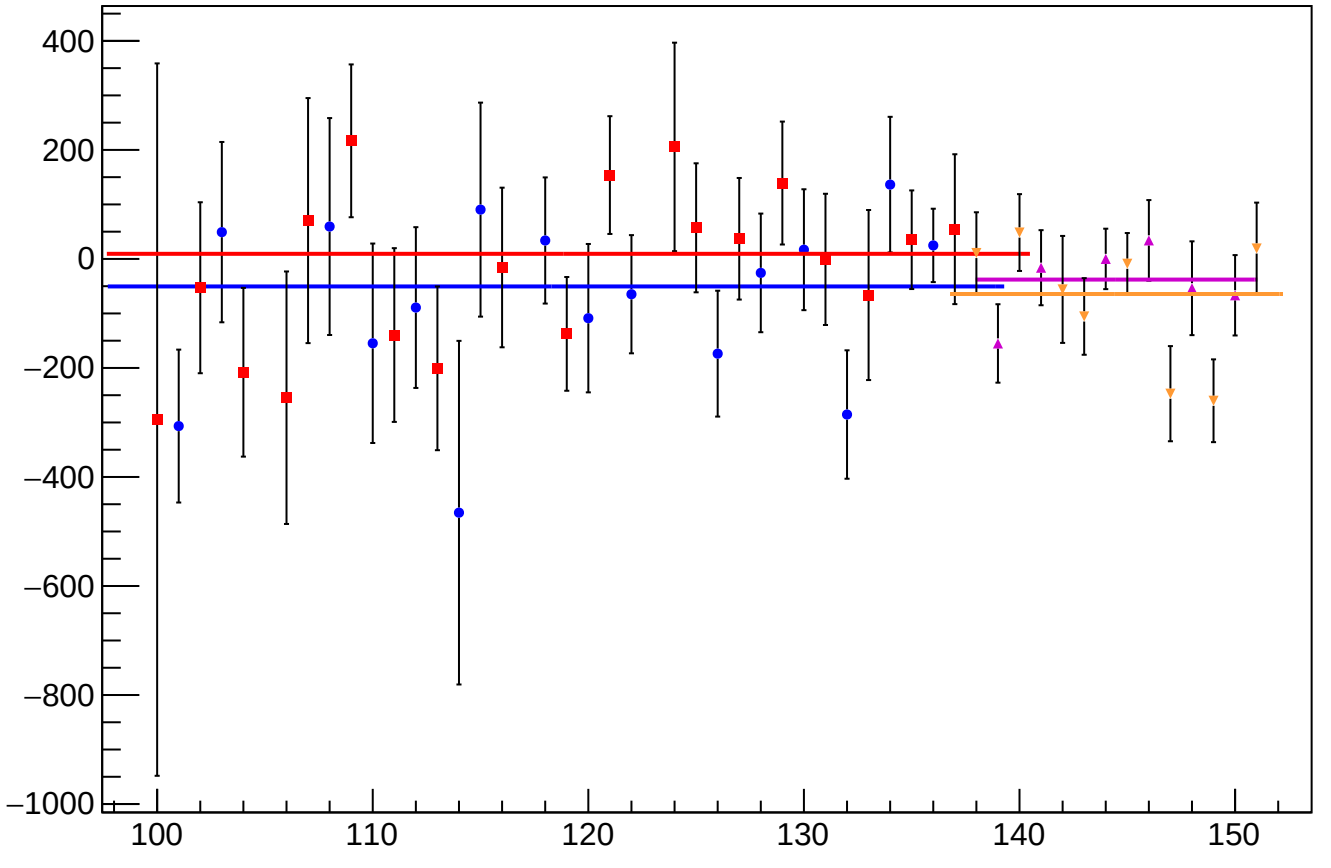
Left: 353.495+/-0.076 χ^2/NDF: 1244739.6/13

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 432.484+/-0.096 χ^2/NDF:4271998.7/21

Out: 439.410+/-0.094 χ^2/NDF:5068059.5/26

All: 436.020+/-0.067 χ^2/NDF: 9342738.7/48



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -64.337+/-26.285 χ^2/NDF:16.9/7

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -37.878+/-28.497 χ^2/NDF:4.4/5

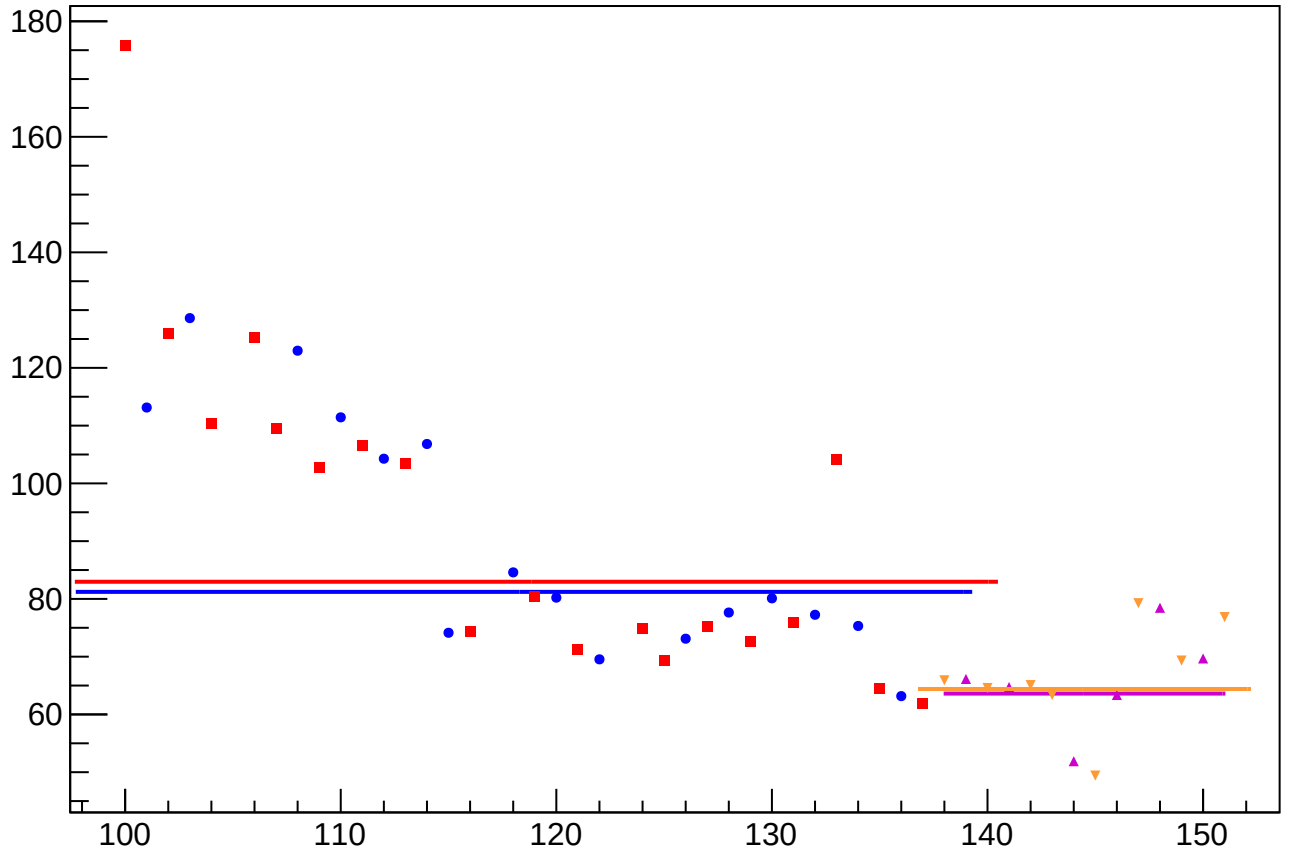
Left: -52.174+/-19.321 χ^2/NDF: 21.7/13

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -43.631+/-20.999 χ^2/NDF:20.9/21

Out: -33.775+/-20.111 χ^2/NDF:35.7/26

All: -38.490+/-14.524 χ^2/NDF: 56.7/48



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.406+/-0.019 χ^2/NDF:252923.9/7

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 63.610+/-0.020 χ^2/NDF:165530.7/5

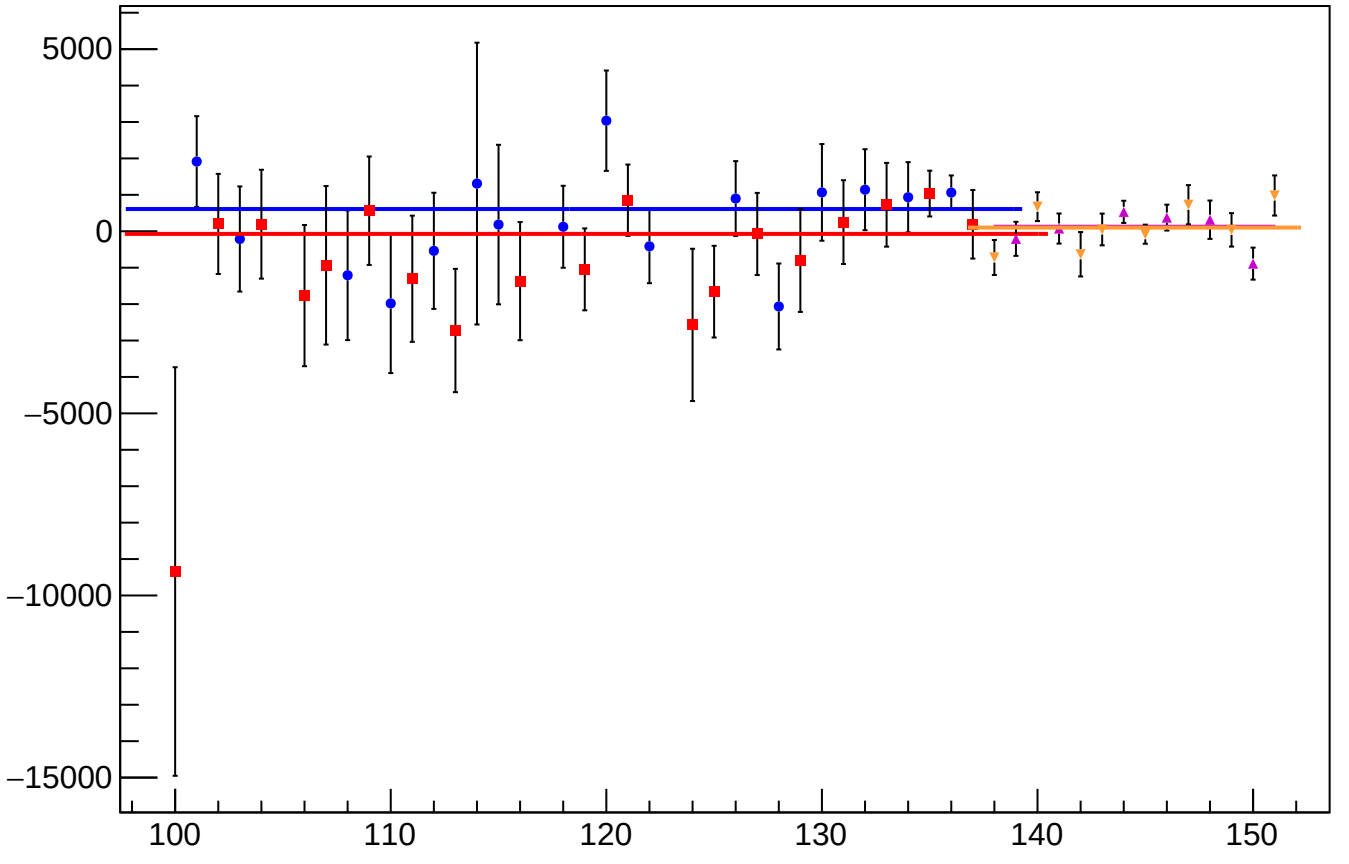
Left: 64.040+/-0.014 χ^2/NDF: 419297.4/13

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.658+/-0.015 χ^2/NDF:1177363.3/21

Out: 72.103+/-0.014 χ^2/NDF:1396929.8/26

All: 71.890+/-0.010 χ^2/NDF: 2574761.9/48



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 100.807+/-149.561 χ^2/NDF:10.9/7

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 124.331+/-162.516 χ^2/NDF:8.3/5

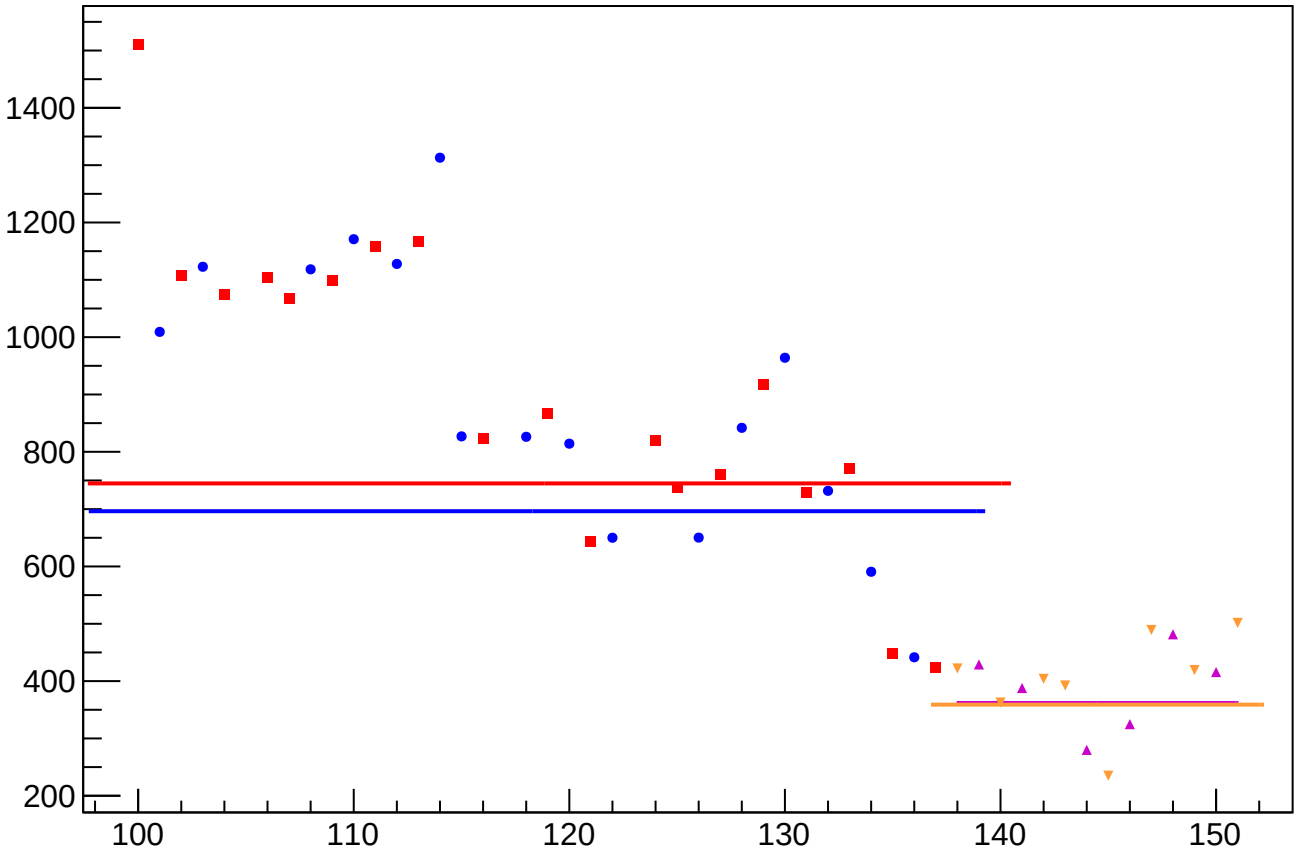
Left: 111.594+/-110.051 χ^2/NDF: 19.2/13

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 250.835+/-139.776 χ^2/NDF:26.4/21

Out: 63.800+/-132.616 χ^2/NDF:27.4/26

All: 152.404+/-96.205 χ^2/NDF: 54.7/48



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 358.930+/-0.106 χ^2/NDF:789754.1/7

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 361.864+/-0.115 χ^2/NDF:348373.5/5

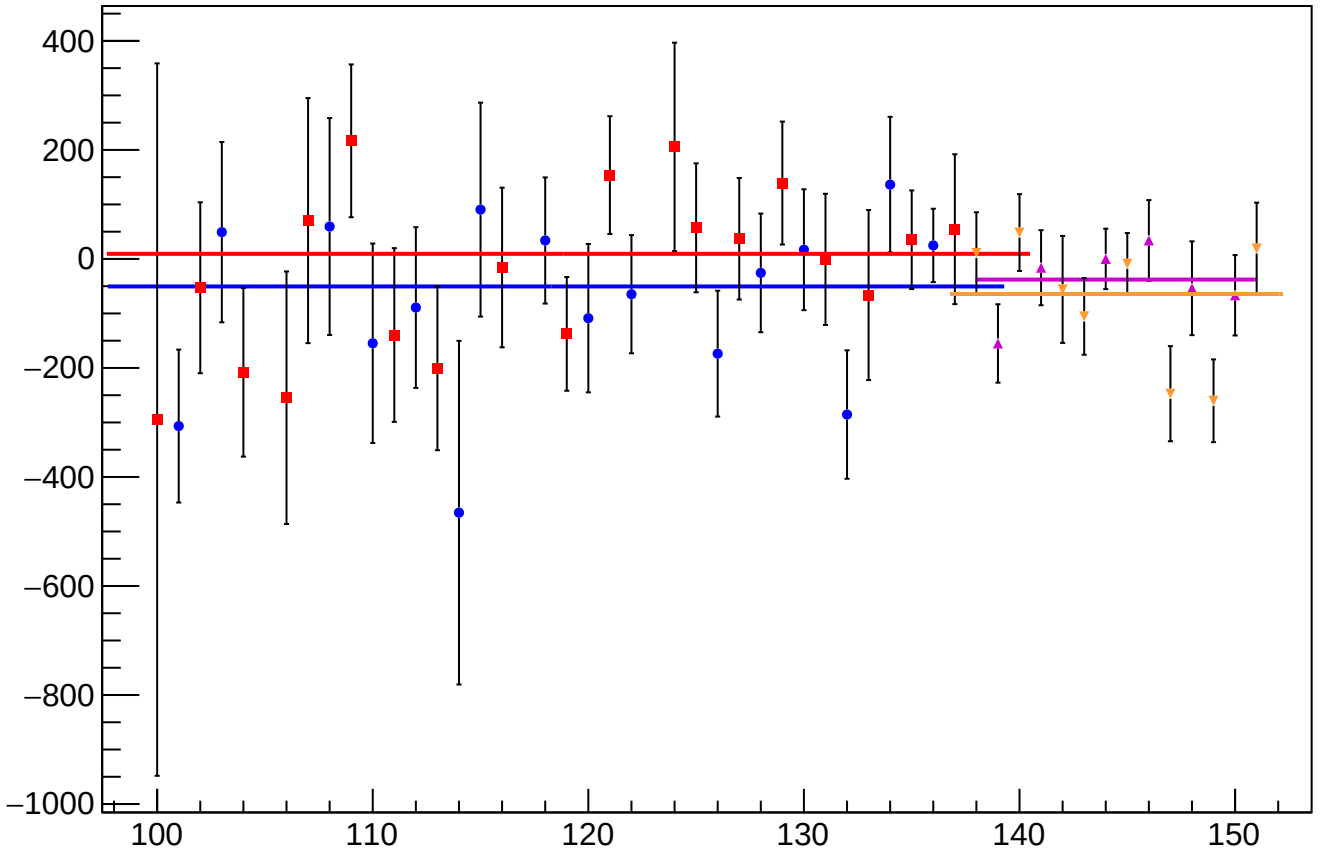
Left: 360.275+/-0.078 χ^2/NDF: 1138480.5/13

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 448.926+/-0.099 χ^2/NDF:4069164.4/21

Out: 441.432+/-0.094 χ^2/NDF:5135084.4/26

All: 444.982+/-0.068 χ^2/NDF: 9207274.1/48



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -64.336+/-26.285 χ^2/NDF:16.9/7

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -37.877+/-28.497 χ^2/NDF:4.4/5

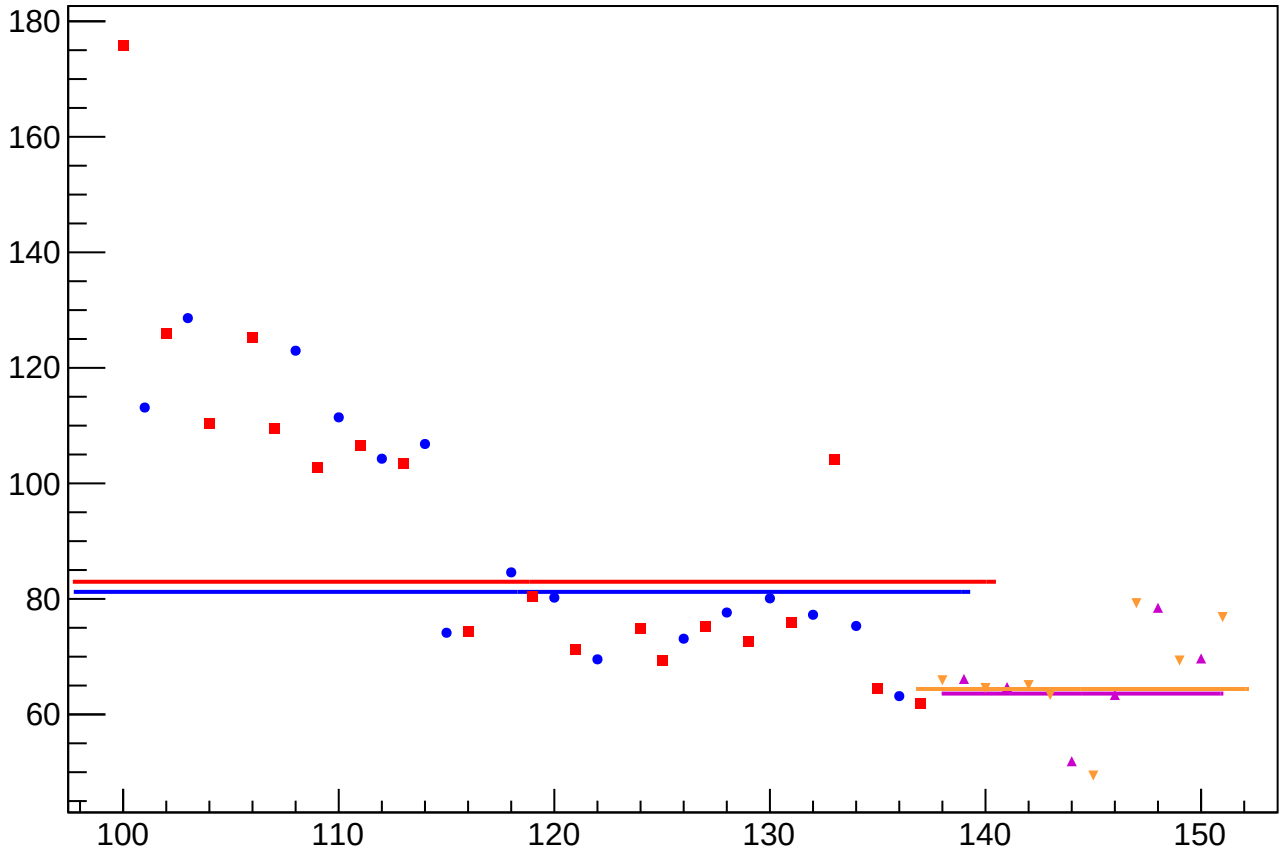
Left: -52.174+/-19.321 χ^2/NDF: 21.7/13

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -43.630+/-20.999 χ^2/NDF:20.9/21

Out: -33.775+/-20.111 χ^2/NDF:35.7/26

All: -38.490+/-14.524 χ^2/NDF: 56.7/48



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 64.406+/-0.019 χ^2/NDF:252920.3/7

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 63.611+/-0.020 χ^2/NDF:165531.3/5

Left: 64.041+/-0.014 χ^2/NDF: 419294.4/13

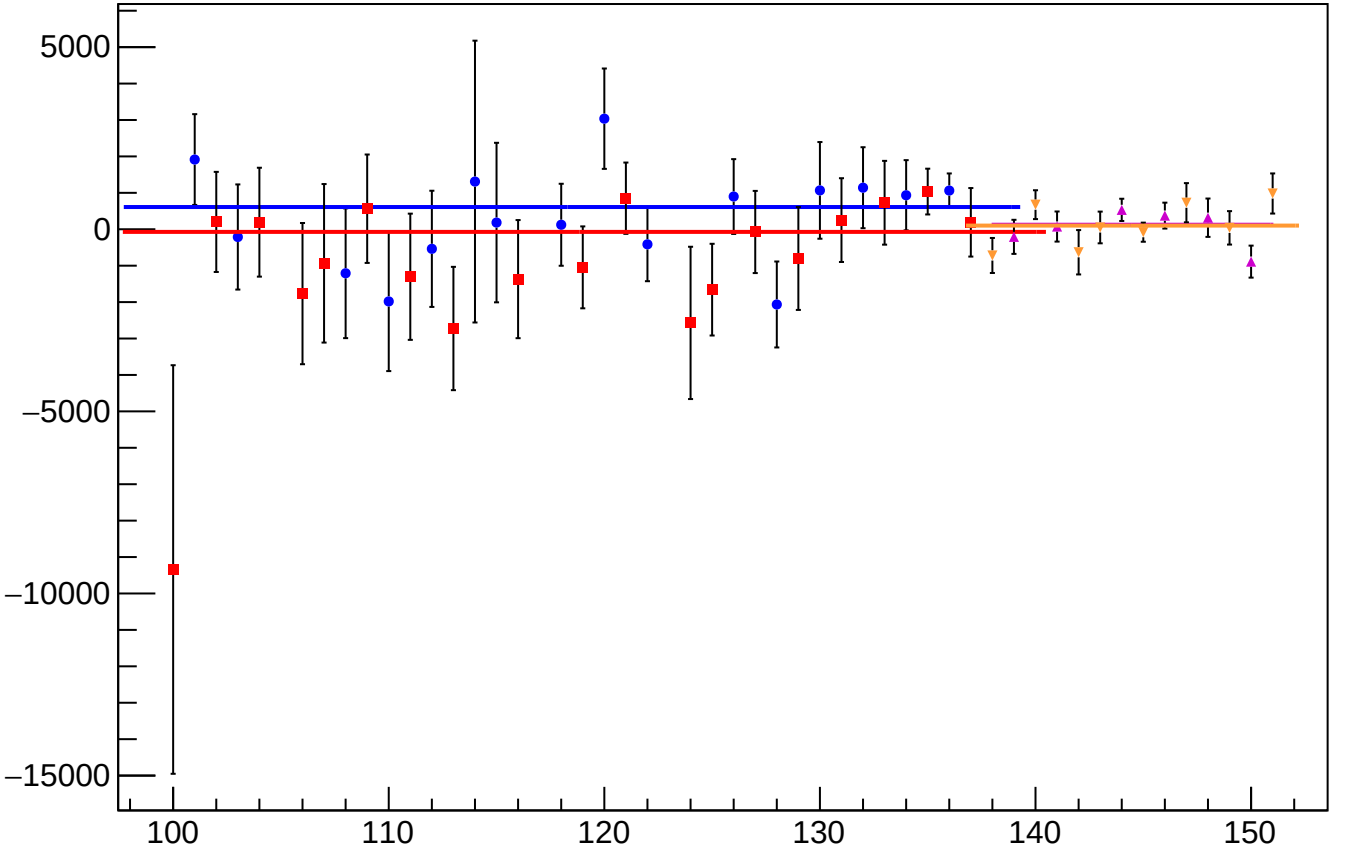
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.658+/-0.015 χ^2/NDF:1177324.3/21

Out: 72.103+/-0.014 χ^2/NDF:1396892.5/26

All: 71.890+/-0.010 χ^2/NDF: 2574685.6/48

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: 100.807+/-149.561 χ^2/NDF:10.9/7

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 124.332+/-162.516 χ^2/NDF:8.3/5

Left: 111.594+/-110.051 χ^2/NDF: 19.2/13

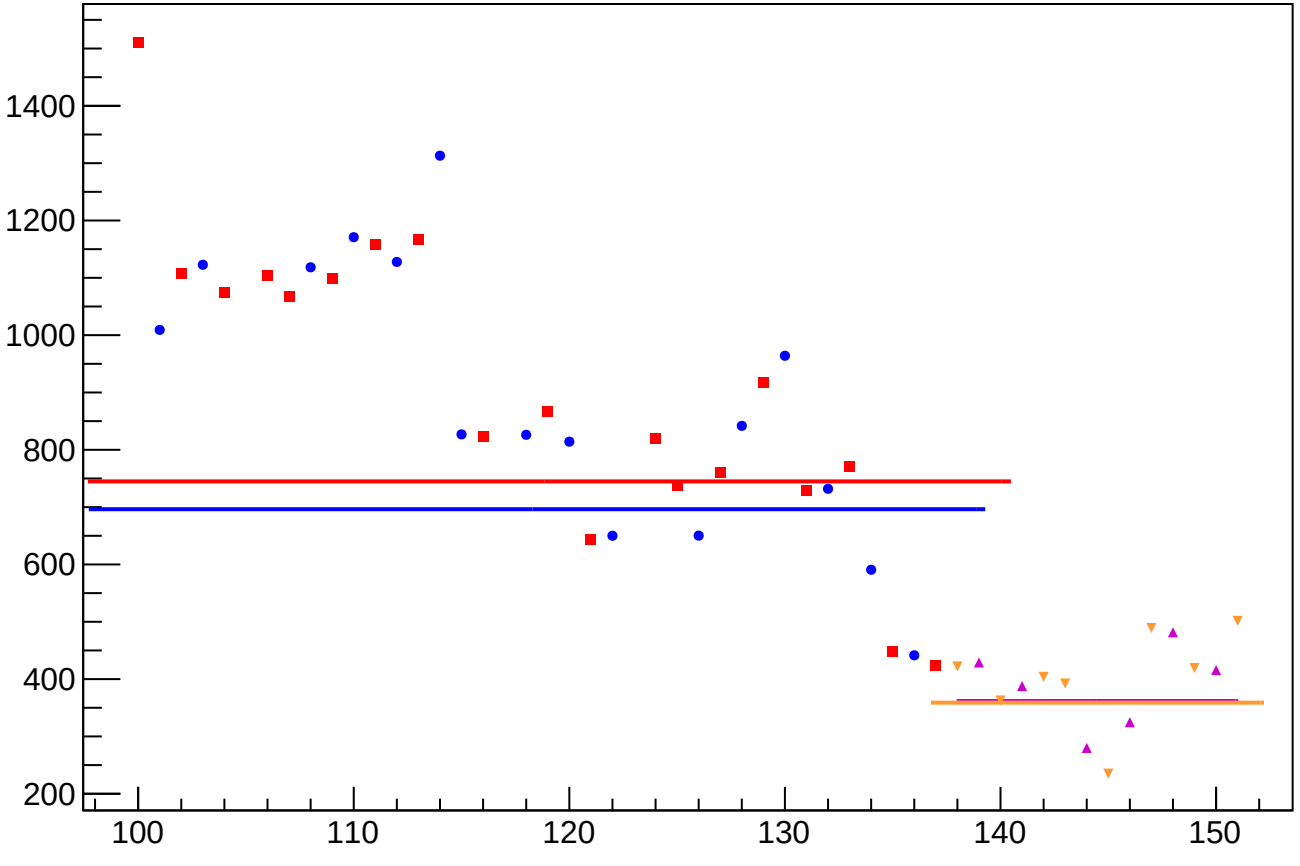
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 250.836+/-139.776 χ^2/NDF:26.4/21

Out: 63.799+/-132.616 χ^2/NDF:27.4/26

All: 152.404+/-96.205 χ^2/NDF: 54.7/48

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: 358.929+/-0.106 χ^2/NDF:789769.9/7

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 361.864+/-0.115 χ^2/NDF:348377.4/5

Left: 360.275+/-0.078 χ^2/NDF: 1138500.4/13

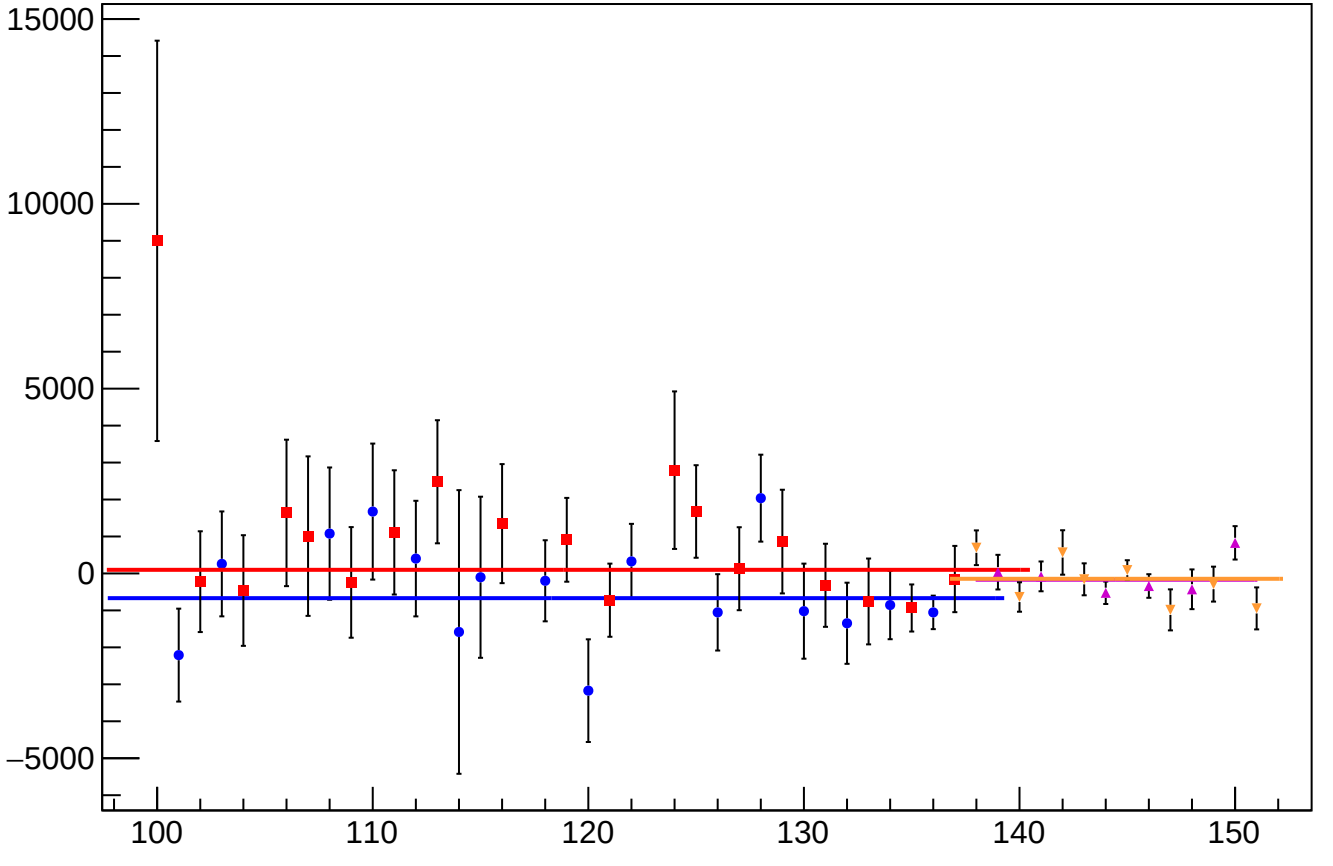
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 448.926+/-0.099 χ^2/NDF:4069147.0/21

Out: 441.432+/-0.094 χ^2/NDF:5135085.5/26

All: 444.982+/-0.068 χ^2/NDF: 9207258.1/48

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -144.876+/-151.269 χ^2/NDF:11.3/7

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -170.260+/-158.664 χ^2/NDF:7.0/5

Left: -156.963+/-109.484 χ^2/NDF: 18.3/13

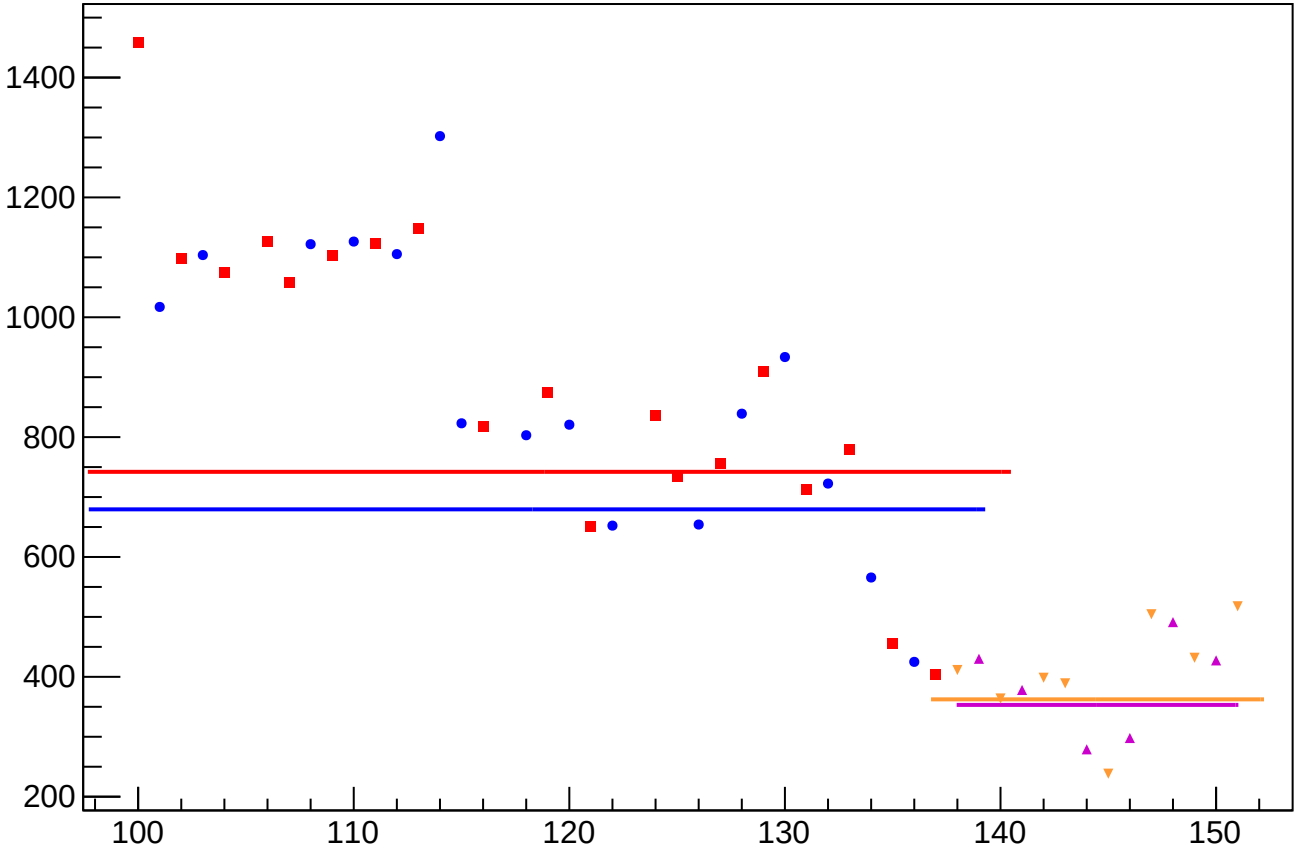
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -299.248+/-136.591 χ^2/NDF:25.7/21

Out: -91.749+/-133.705 χ^2/NDF:26.7/26

All: -193.284+/-95.548 χ^2/NDF: 53.5/48

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 362.413+/-0.107 χ^2/NDF:788362.5/7

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 353.169+/-0.112 χ^2/NDF:426826.0/5

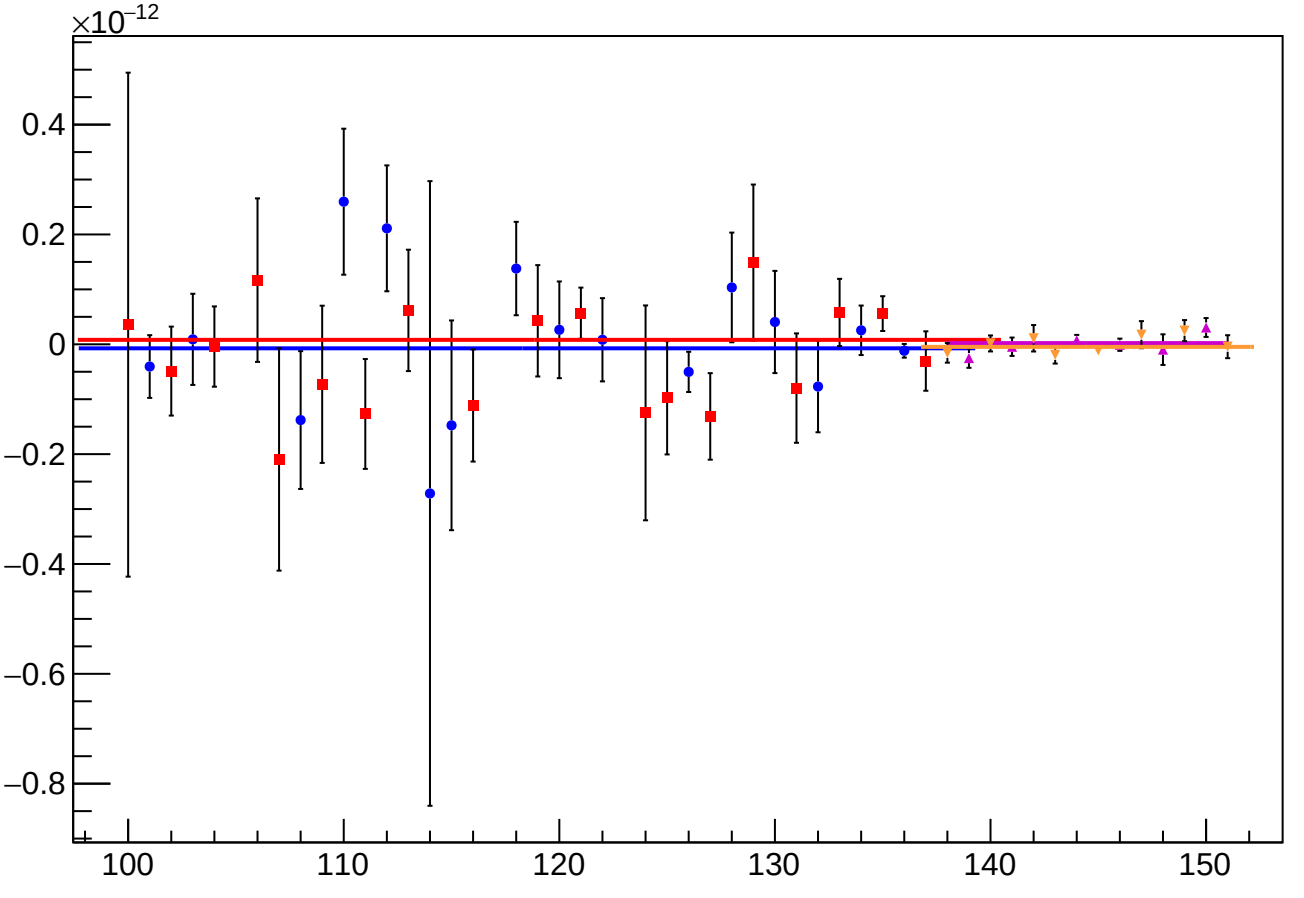
Left: 358.011+/-0.077 χ^2/NDF: 1218745.2/13

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 437.643+/-0.097 χ^2/NDF:4217604.3/21

Out: 445.460+/-0.095 χ^2/NDF:5048643.2/26

All: 441.635+/-0.068 χ^2/NDF: 9269593.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/5

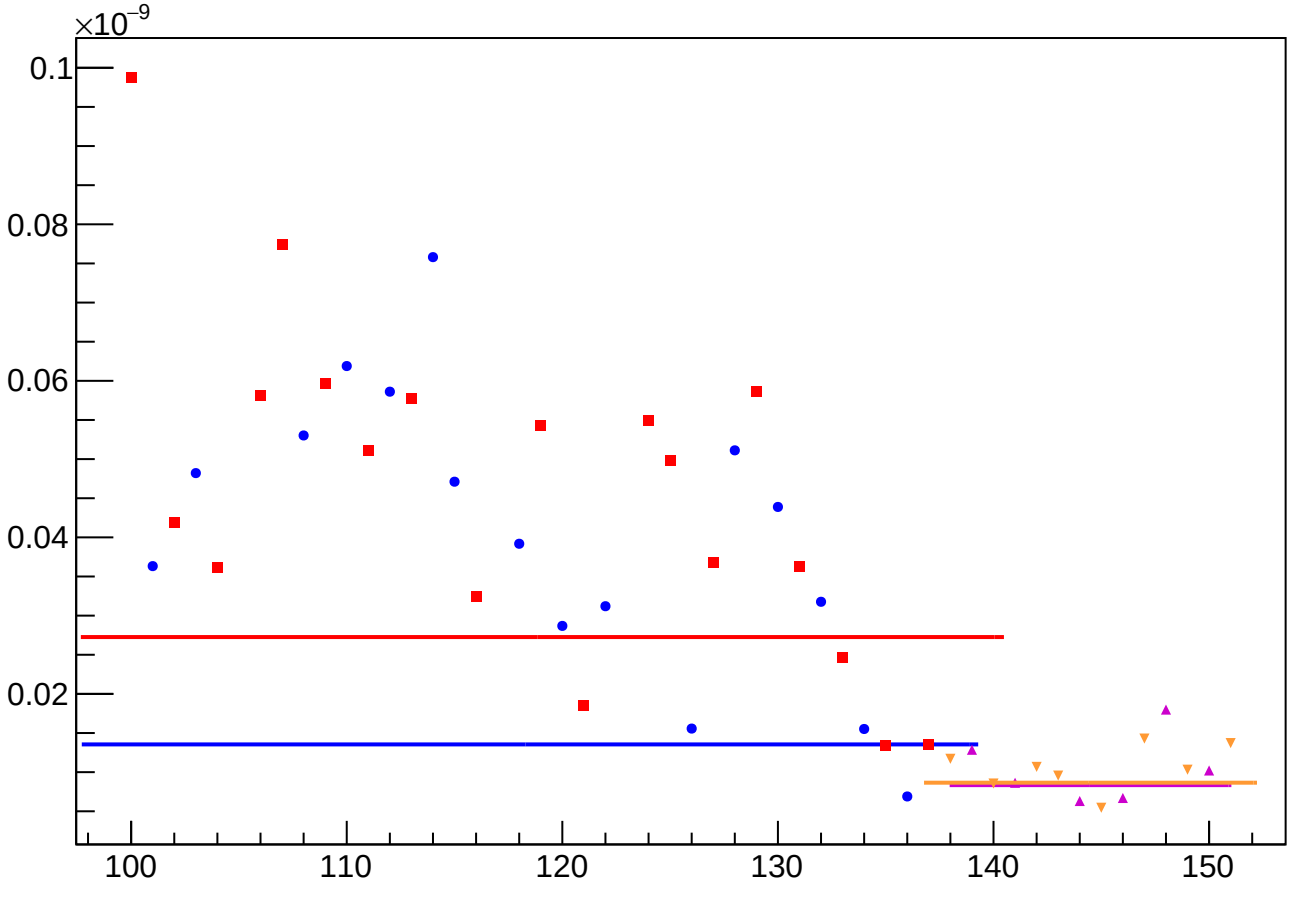
Left: -0.000+/-0.000 χ^2/NDF: 12.0/13

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:23.6/21

Out: -0.000+/-0.000 χ^2/NDF:23.0/26

All: -0.000+/-0.000 χ^2/NDF: 46.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:581404.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:520821.1/5

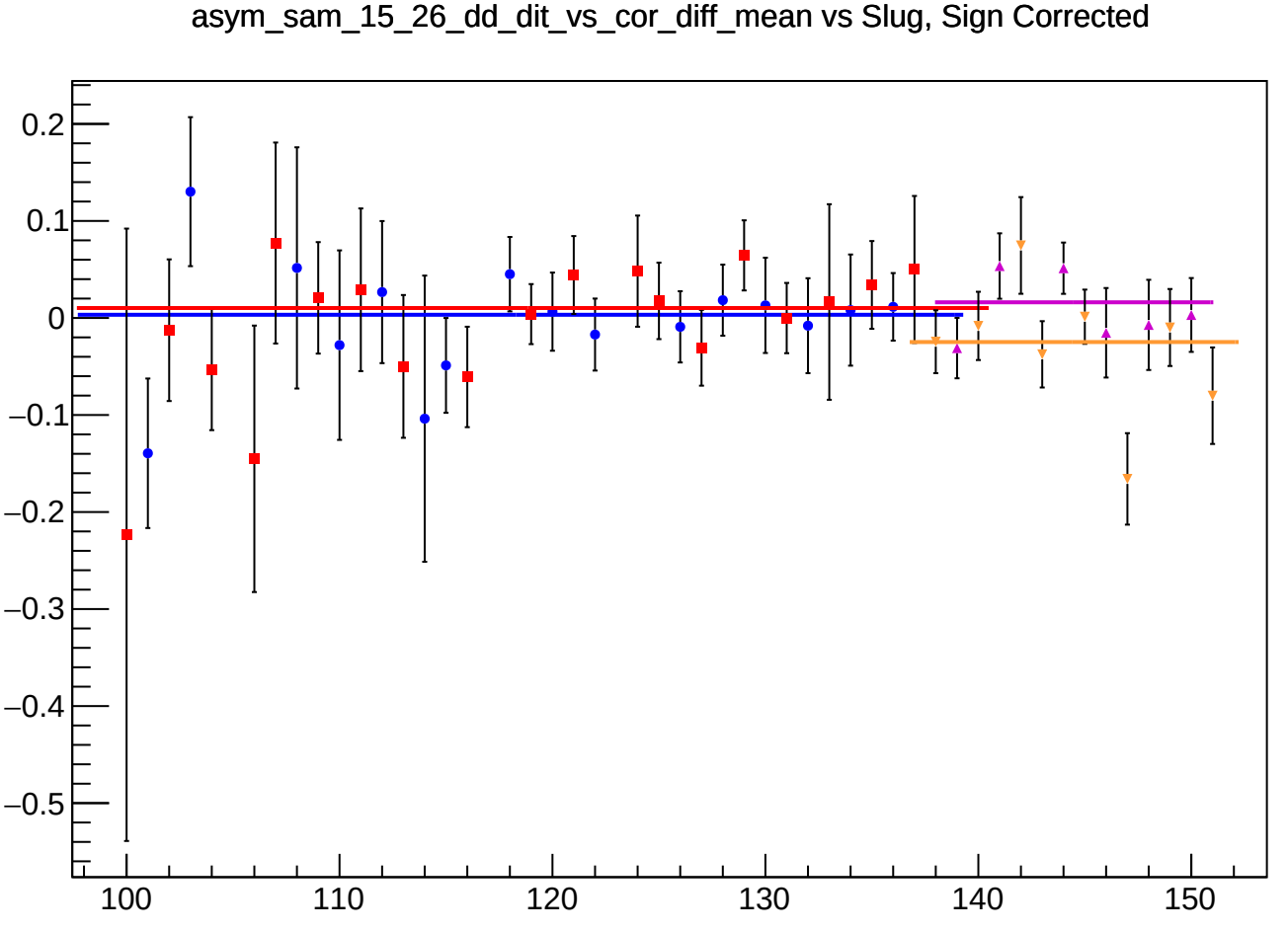
Left: 0.000+/-0.000 χ^2/NDF: 1105279.4/13

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3944855.3/21

Out: 0.000+/-0.000 χ^2/NDF:4415078.3/26

All: 0.000+/-0.000 χ^2/NDF: 8383556.2/48



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.025+/-0.013 χ^2/NDF:15.6/7

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.016+/-0.014 χ^2/NDF:6.1/5

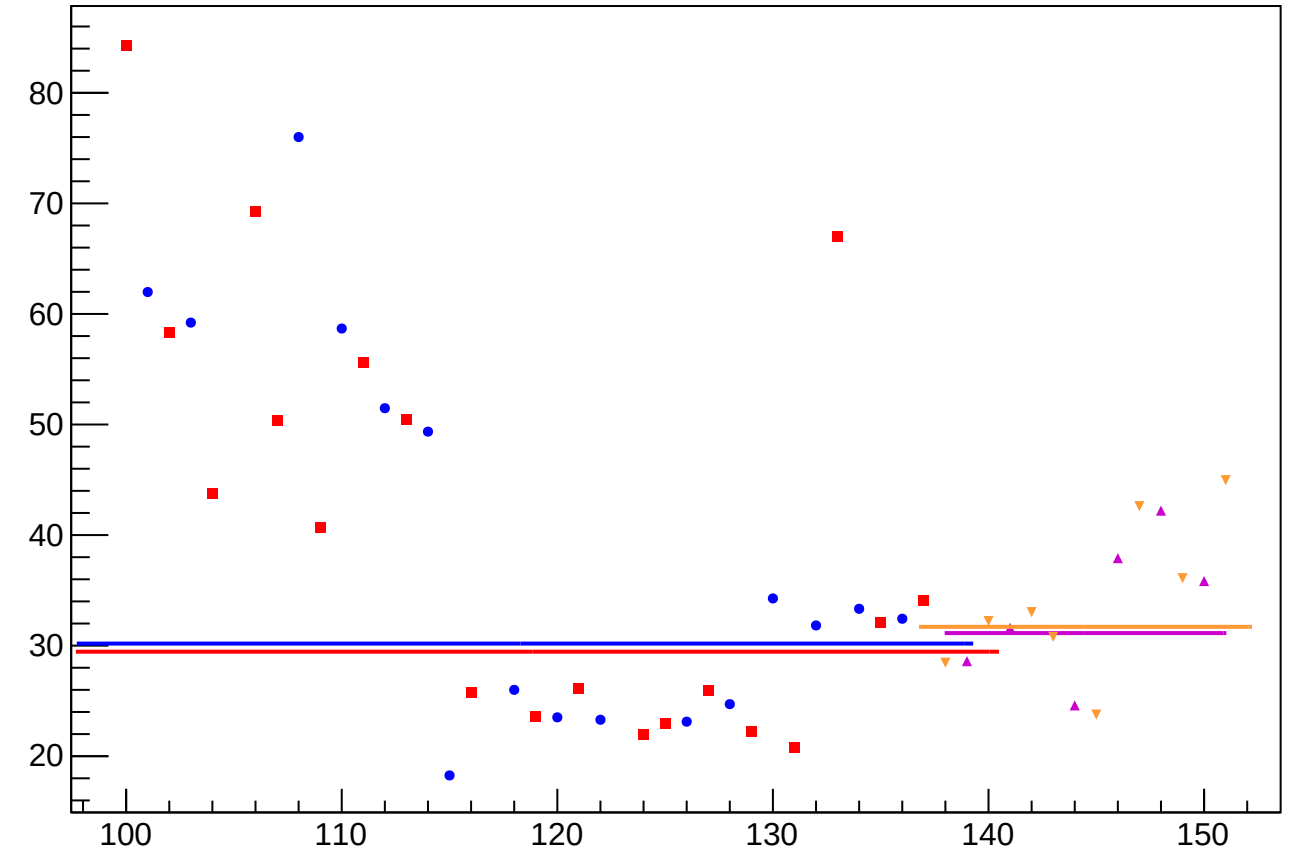
Left: -0.006+/-0.010 χ^2/NDF: 26.2/13

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/21

Out: -0.005+/-0.009 χ^2/NDF:30.7/26

All: 0.001+/-0.006 χ^2/NDF: 48.7/48



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.702+/-0.009 χ^2/NDF:458412.0/7

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.136+/-0.010 χ^2/NDF:323569.7/5

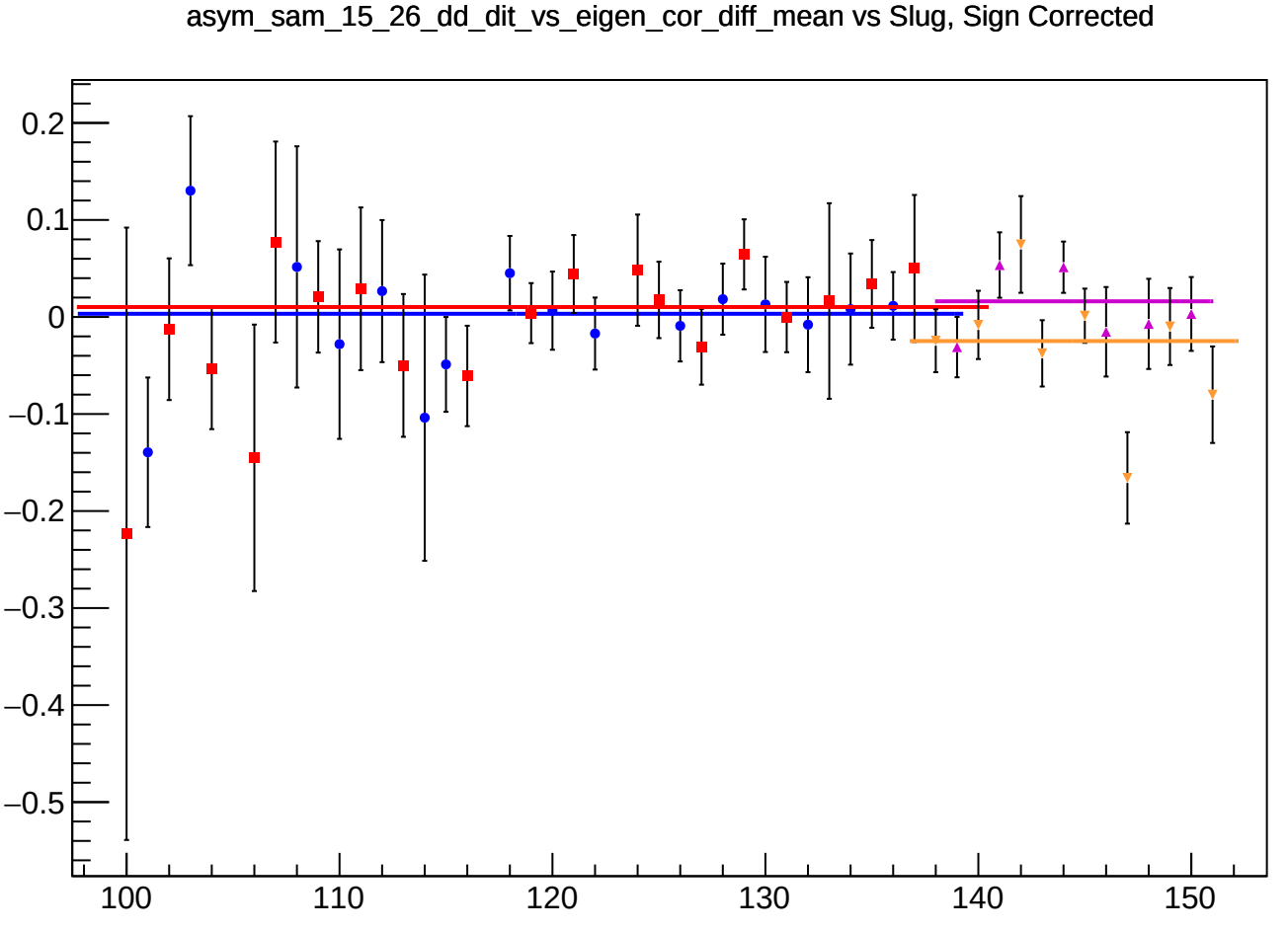
Left: 31.440+/-0.007 χ^2/NDF: 783690.2/13

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.593+/-0.007 χ^2/NDF:2016061.7/21

Out: 30.457+/-0.006 χ^2/NDF:2339456.8/26

All: 30.521+/-0.005 χ^2/NDF: 4355746.5/48



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.025+/-0.013 χ^2/NDF:15.6/7

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.016+/-0.014 χ^2/NDF:6.1/5

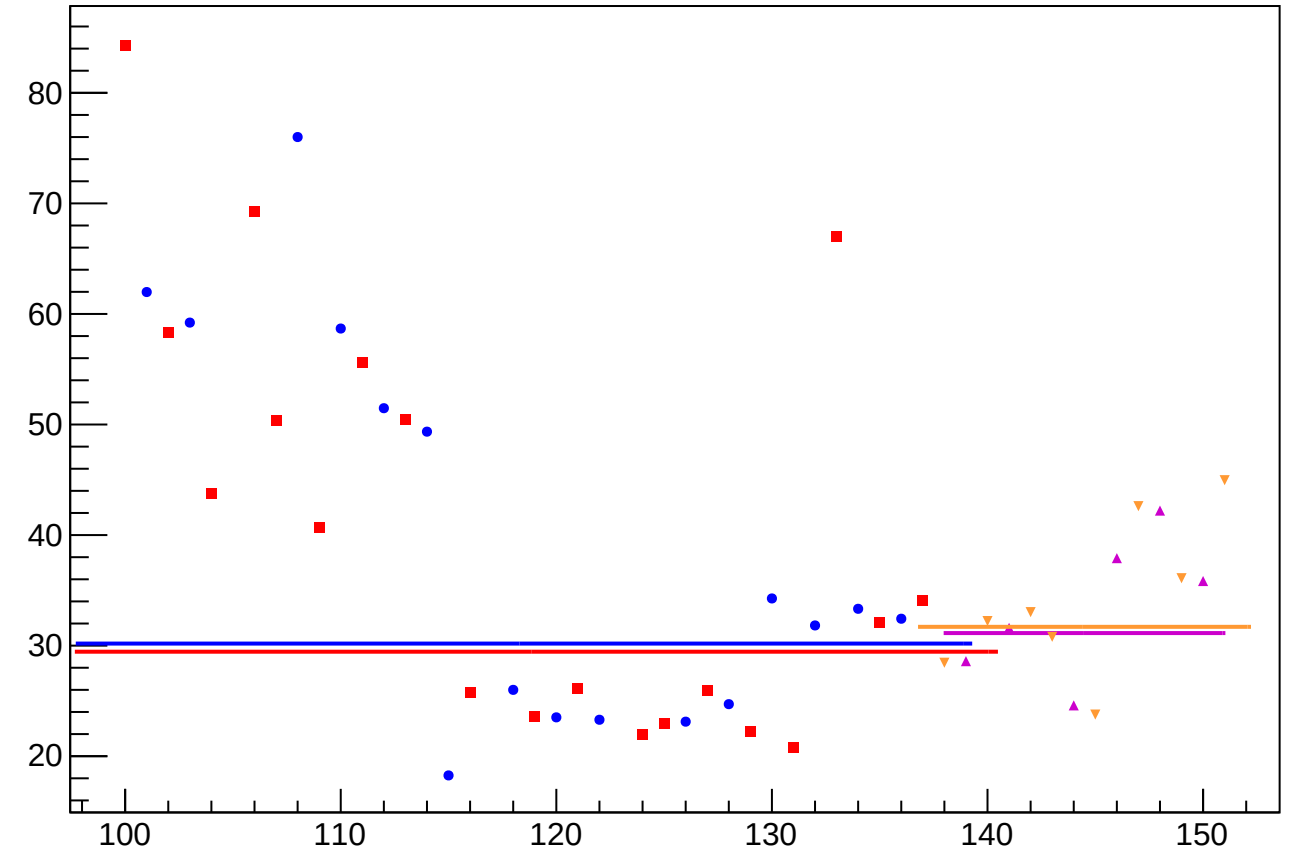
Left: -0.006+/-0.010 χ^2/NDF: 26.2/13

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/21

Out: -0.005+/-0.009 χ^2/NDF:30.7/26

All: 0.001+/-0.006 χ^2/NDF: 48.7/48



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.702+/-0.009 χ^2/NDF:458412.0/7

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.136+/-0.010 χ^2/NDF:323569.7/5

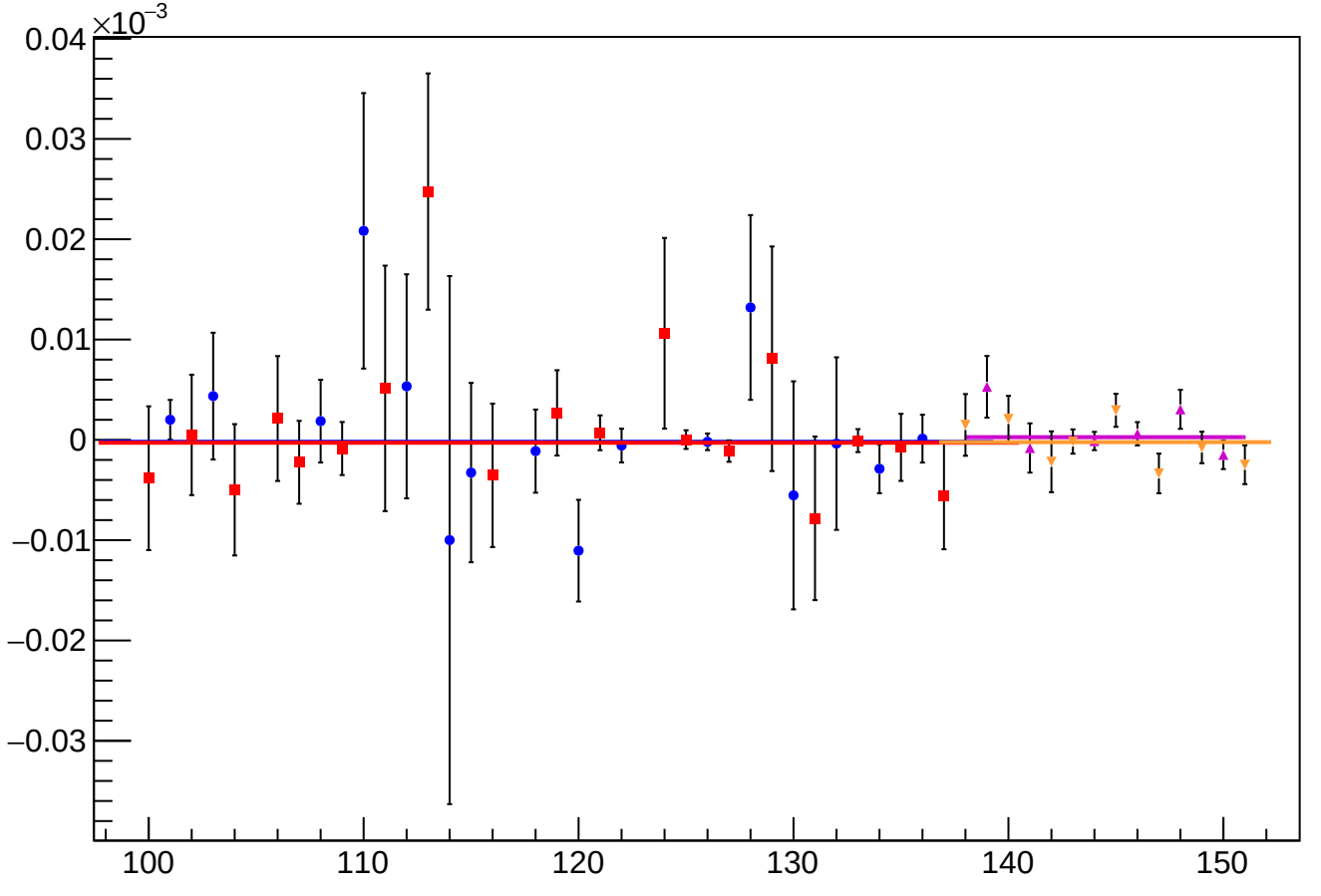
Left: 31.440+/-0.007 χ^2/NDF: 783690.2/13

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.593+/-0.007 χ^2/NDF:2016061.7/21

Out: 30.457+/-0.006 χ^2/NDF:2339456.8/26

All: 30.521+/-0.005 χ^2/NDF: 4355746.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/5

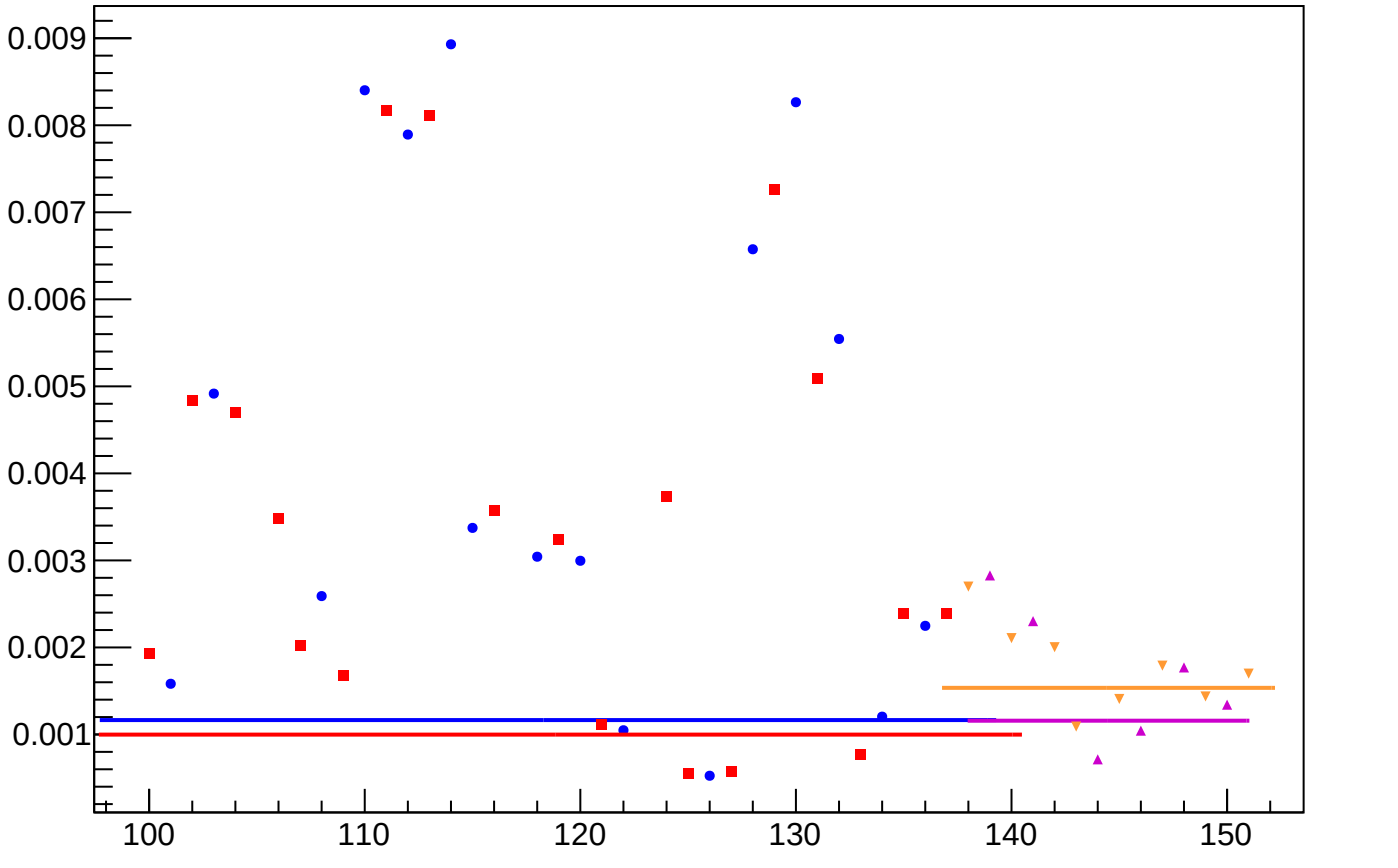
Left: 0.000+/-0.000 χ^2/NDF: 16.4/13

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:20.1/21

Out: -0.000+/-0.000 χ^2/NDF:20.8/26

All: -0.000+/-0.000 χ^2/NDF: 41.2/48



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:793844.8/7

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1750579.6/5

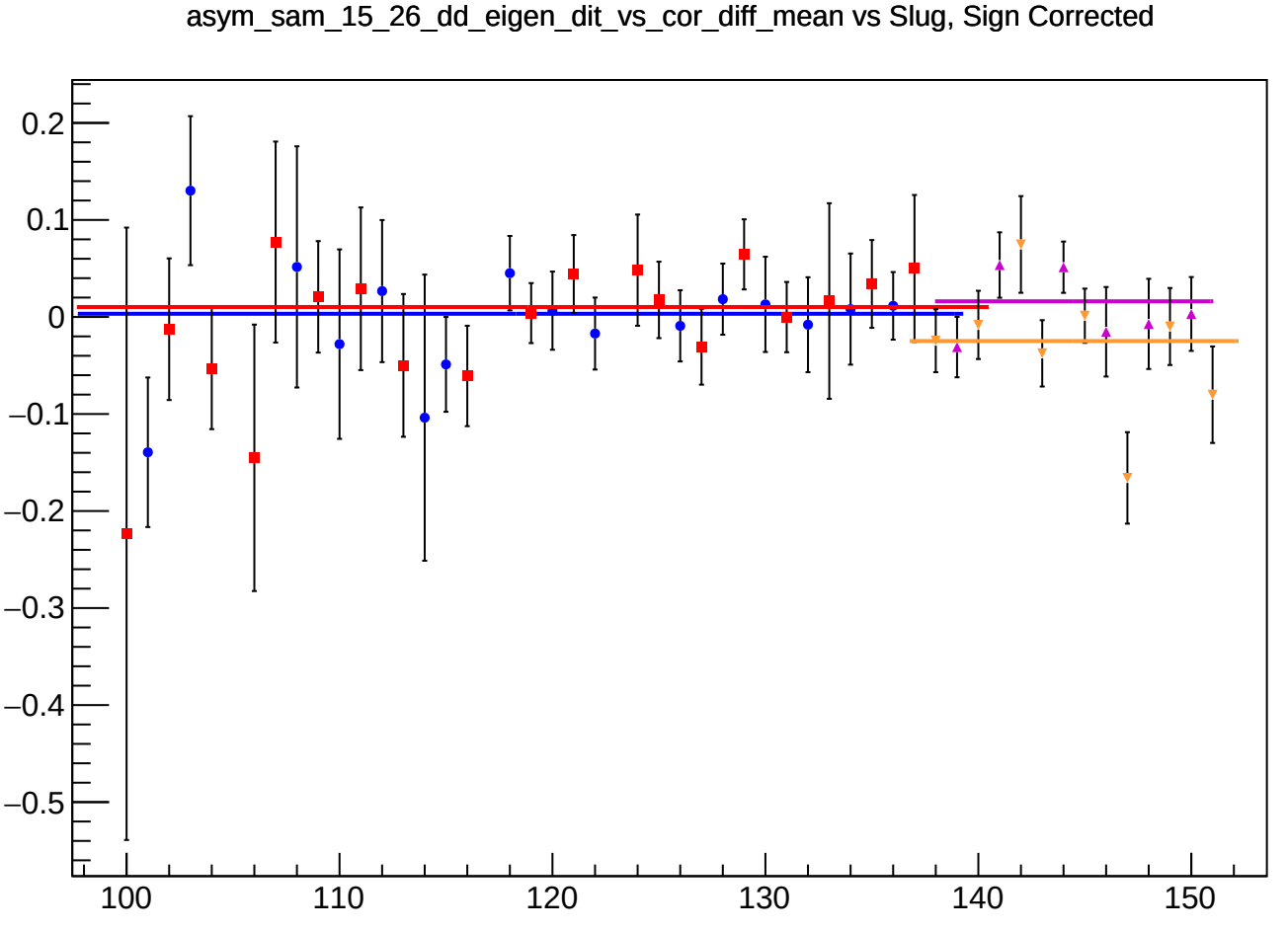
Left: 0.001+/-0.000 χ^2/NDF: 2921628.4/13

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

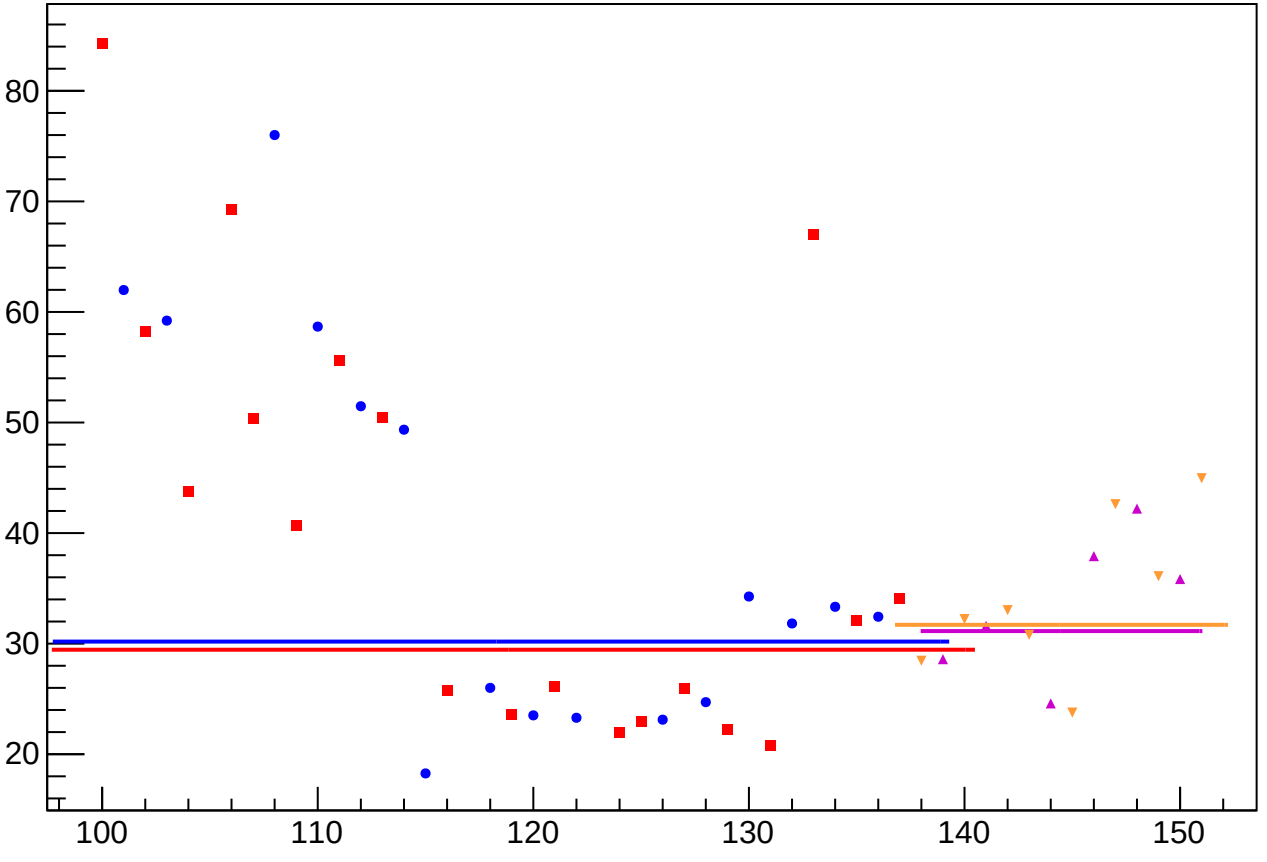
In: 0.001+/-0.000 χ^2/NDF:8632495.9/21

Out: 0.001+/-0.000 χ^2/NDF:8564766.6/26

All: 0.001+/-0.000 χ^2/NDF: 17210927.3/48


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.025+/-0.013 χ²/NDF:15.6/7
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.016+/-0.014 χ²/NDF:6.1/5
Left: -0.006+/-0.010 χ²/NDF: 26.2/13
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.009 χ²/NDF:16.7/21
Out: -0.005+/-0.009 χ²/NDF:30.7/26
All: 0.001+/-0.006 χ²/NDF: 48.7/48

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: 31.702+/-0.009 χ^2/NDF:458388.3/7

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.137+/-0.010 χ^2/NDF:323568.2/5

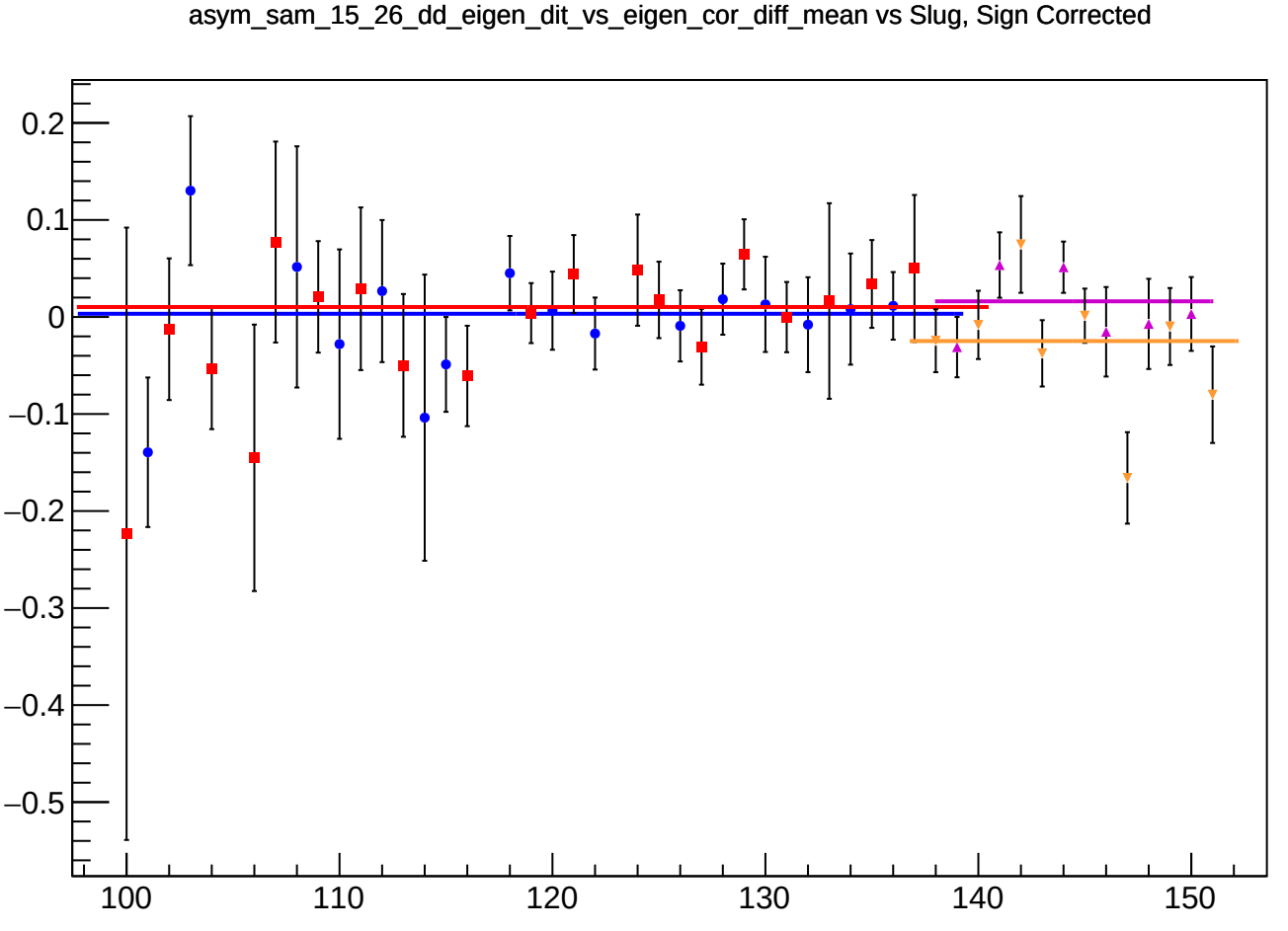
Left: 31.441+/-0.007 χ^2/NDF: 783665.3/13

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

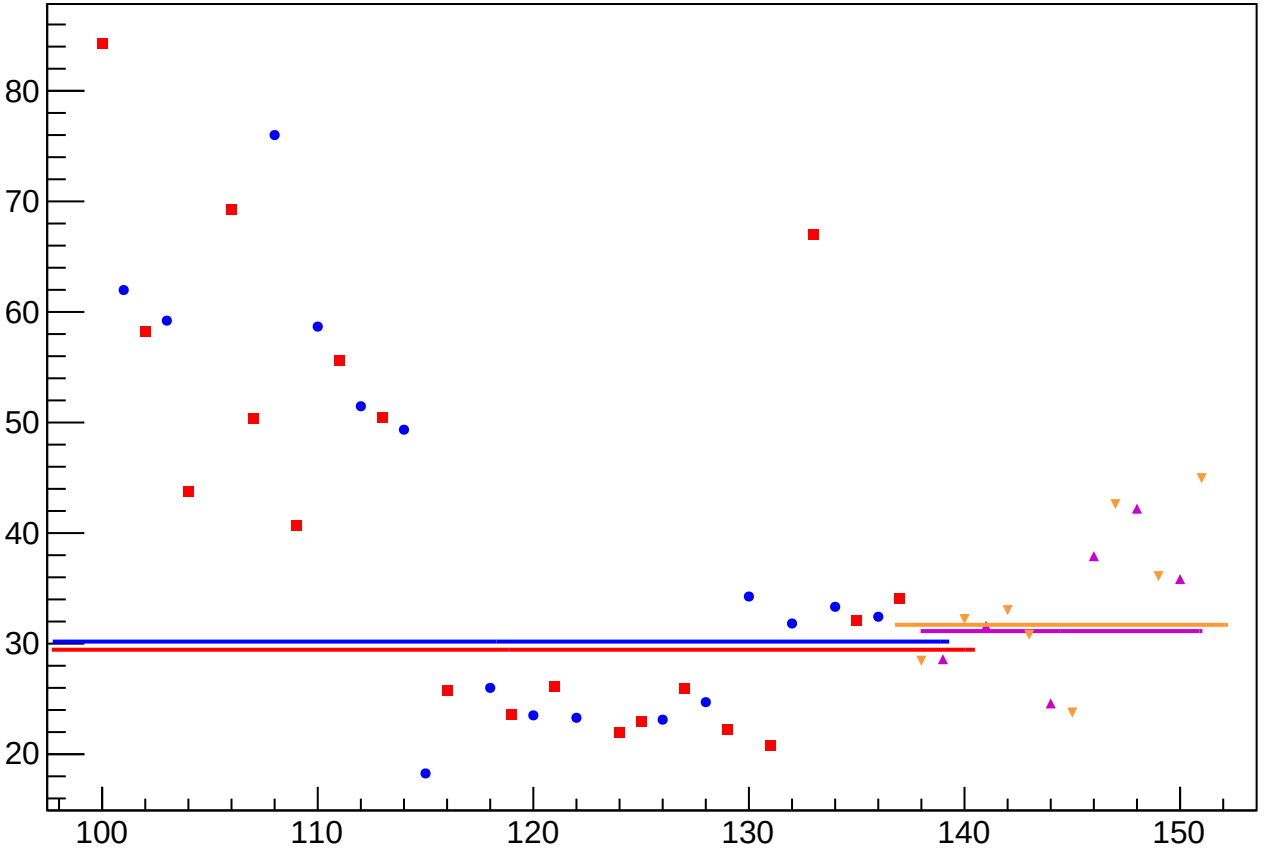
In: 30.594+/-0.007 χ^2/NDF:2015879.3/21

Out: 30.457+/-0.006 χ^2/NDF:2339460.2/26

All: 30.521+/-0.005 χ^2/NDF: 4355568.6/48


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.025+/-0.013 χ²/NDF:15.6/7
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.016+/-0.014 χ²/NDF:6.1/5
Left: -0.006+/-0.010 χ²/NDF: 26.2/13
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.009 χ²/NDF:16.7/21
Out: -0.005+/-0.009 χ²/NDF:30.7/26
All: 0.001+/-0.006 χ²/NDF: 48.7/48

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: 31.702+/-0.009 χ^2/NDF:458388.3/7

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.137+/-0.010 χ^2/NDF:323568.2/5

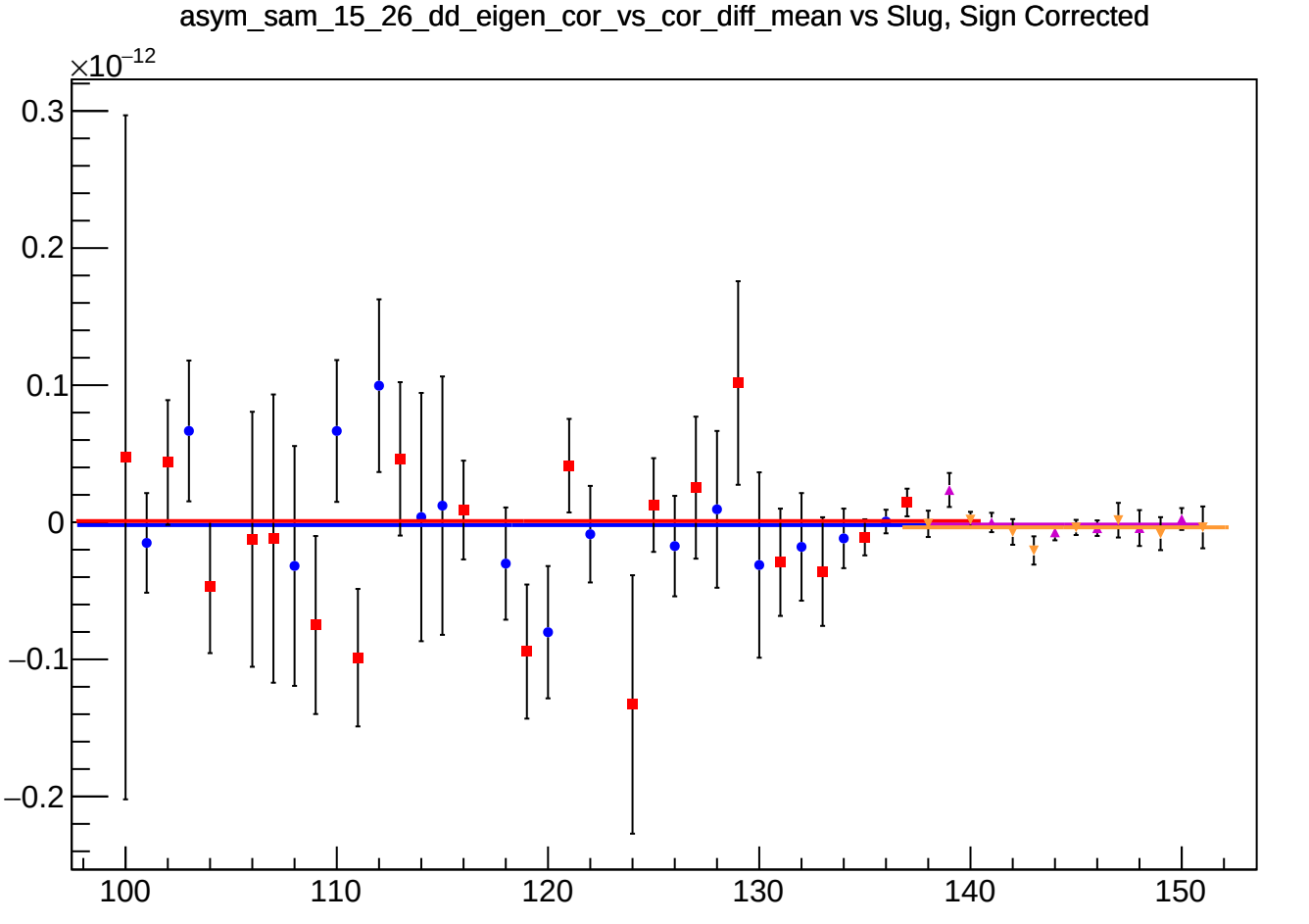
Left: 31.441+/-0.007 χ^2/NDF: 783665.3/13

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.594+/-0.007 χ^2/NDF:2015879.3/21

Out: 30.457+/-0.006 χ^2/NDF:2339460.2/26

All: 30.521+/-0.005 χ^2/NDF: 4355568.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/5

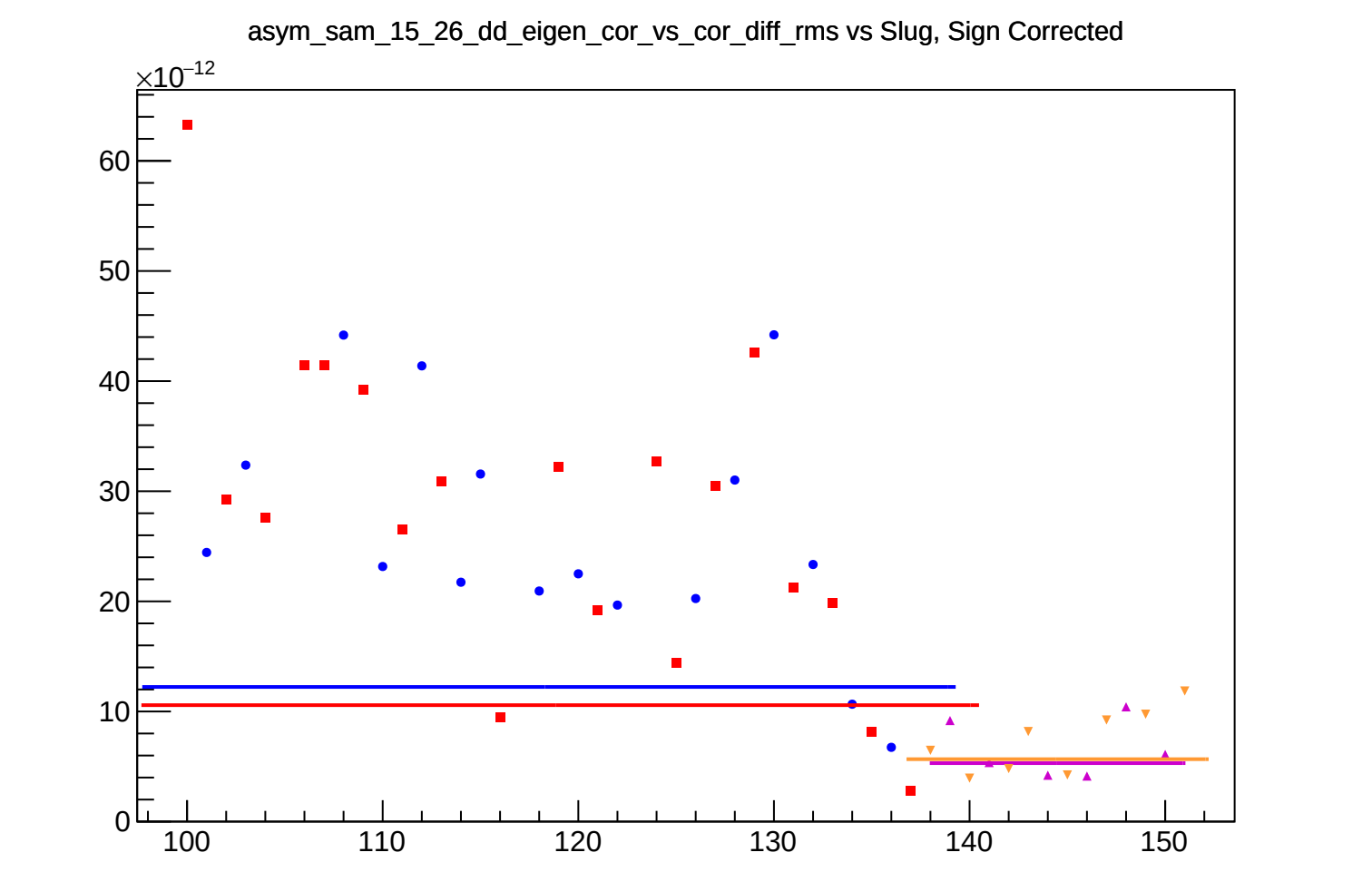
Left: -0.000+/-0.000 χ^2/NDF: 10.0/13

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:16.0/21

Out: -0.000+/-0.000 χ^2/NDF:26.0/26

All: -0.000+/-0.000 χ^2/NDF: 42.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1184577.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:676160.3/5

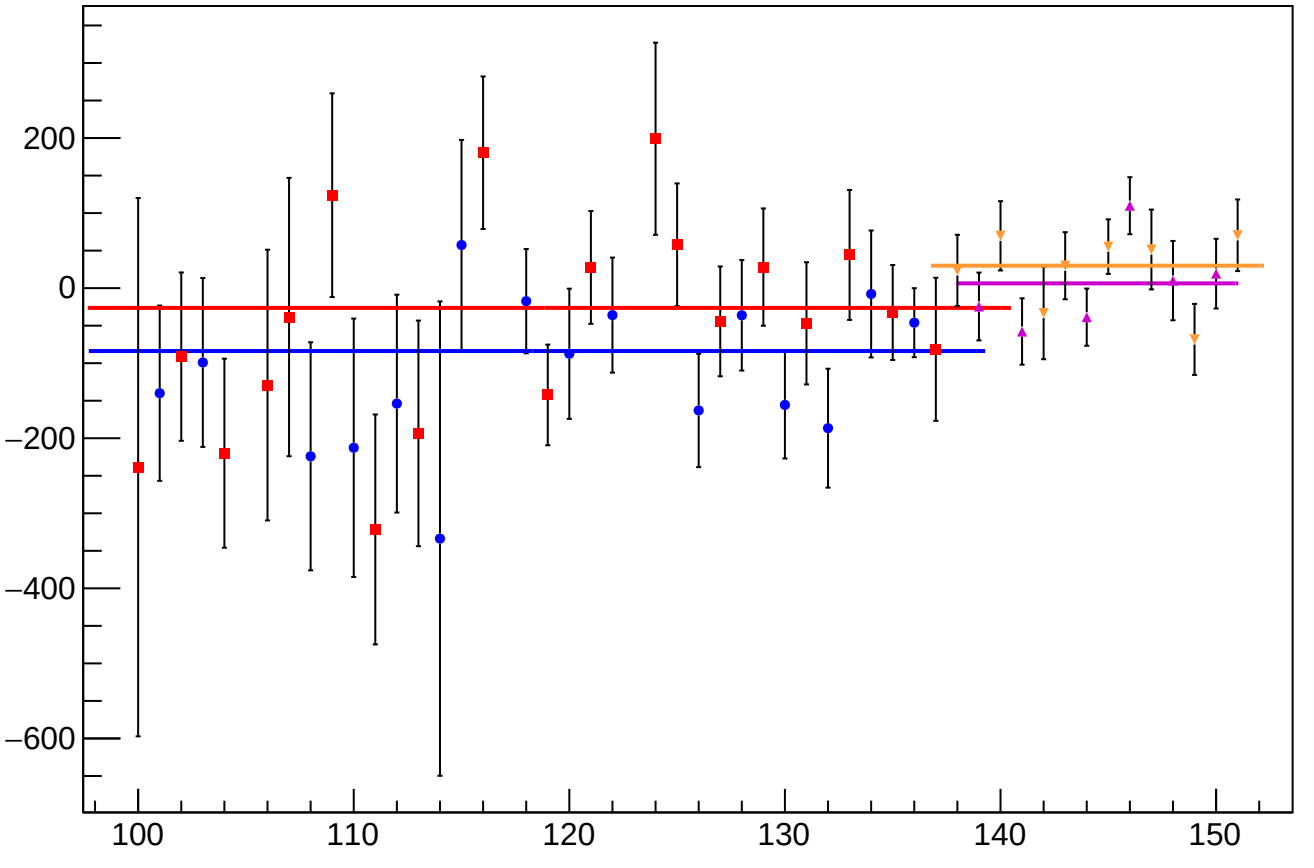
Left: 0.000+/-0.000 χ^2/NDF: 1875125.5/13

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:5832956.2/21

Out: 0.000+/-0.000 χ^2/NDF:6858477.3/26

All: 0.000+/-0.000 χ^2/NDF: 12691602.6/48



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.922+/-16.494 χ^2/NDF:7.5/7

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 6.379+/-17.667 χ^2/NDF:11.5/5

Left: 18.958+/-12.056 χ^2/NDF: 19.9/13

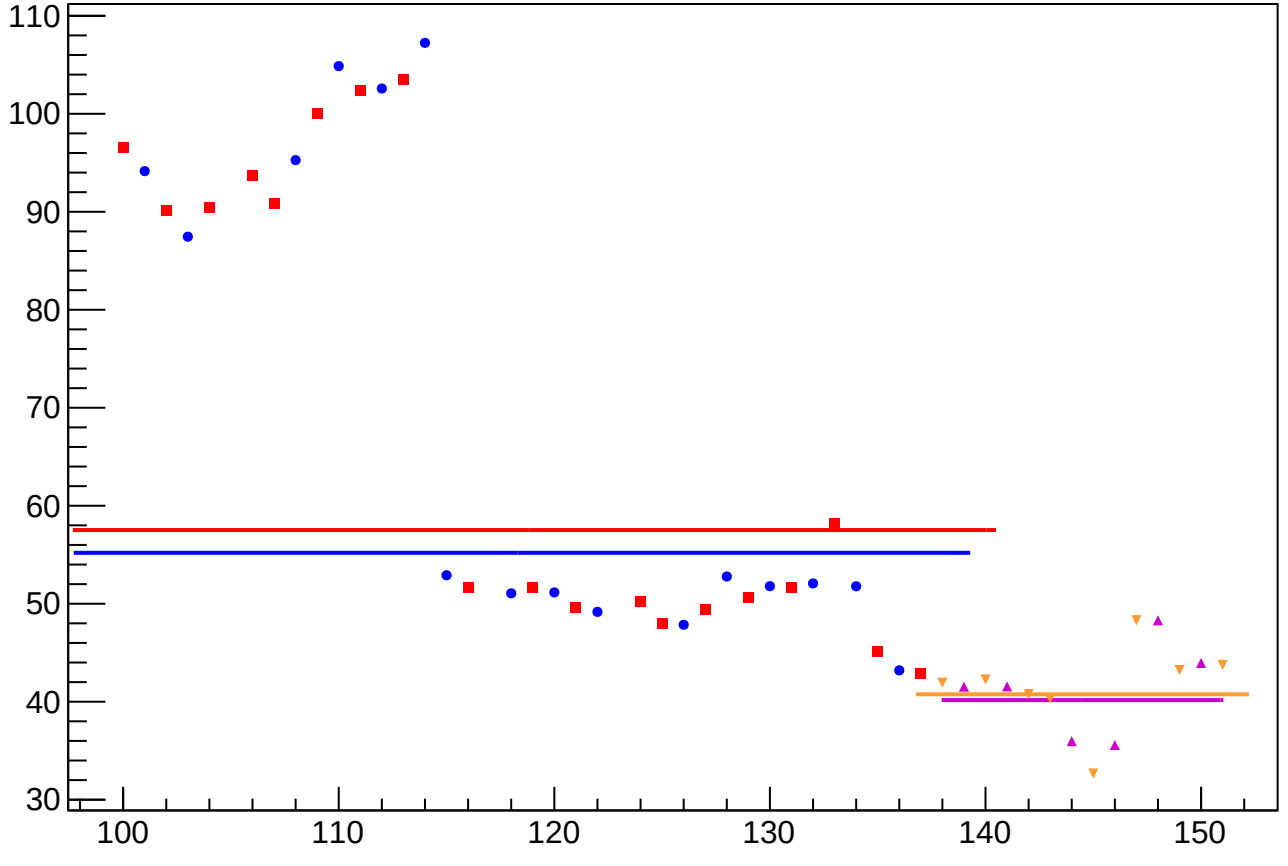
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -30.105+/-13.633 χ^2/NDF:32.5/21

Out: 9.770+/-13.211 χ^2/NDF:34.6/26

All: -9.541+/-9.487 χ^2/NDF: 71.6/48

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.757+/-0.012 χ^2/NDF:156554.4/7

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.167+/-0.012 χ^2/NDF:117868.3/5

Left: 40.482+/-0.009 χ^2/NDF: 275616.0/13

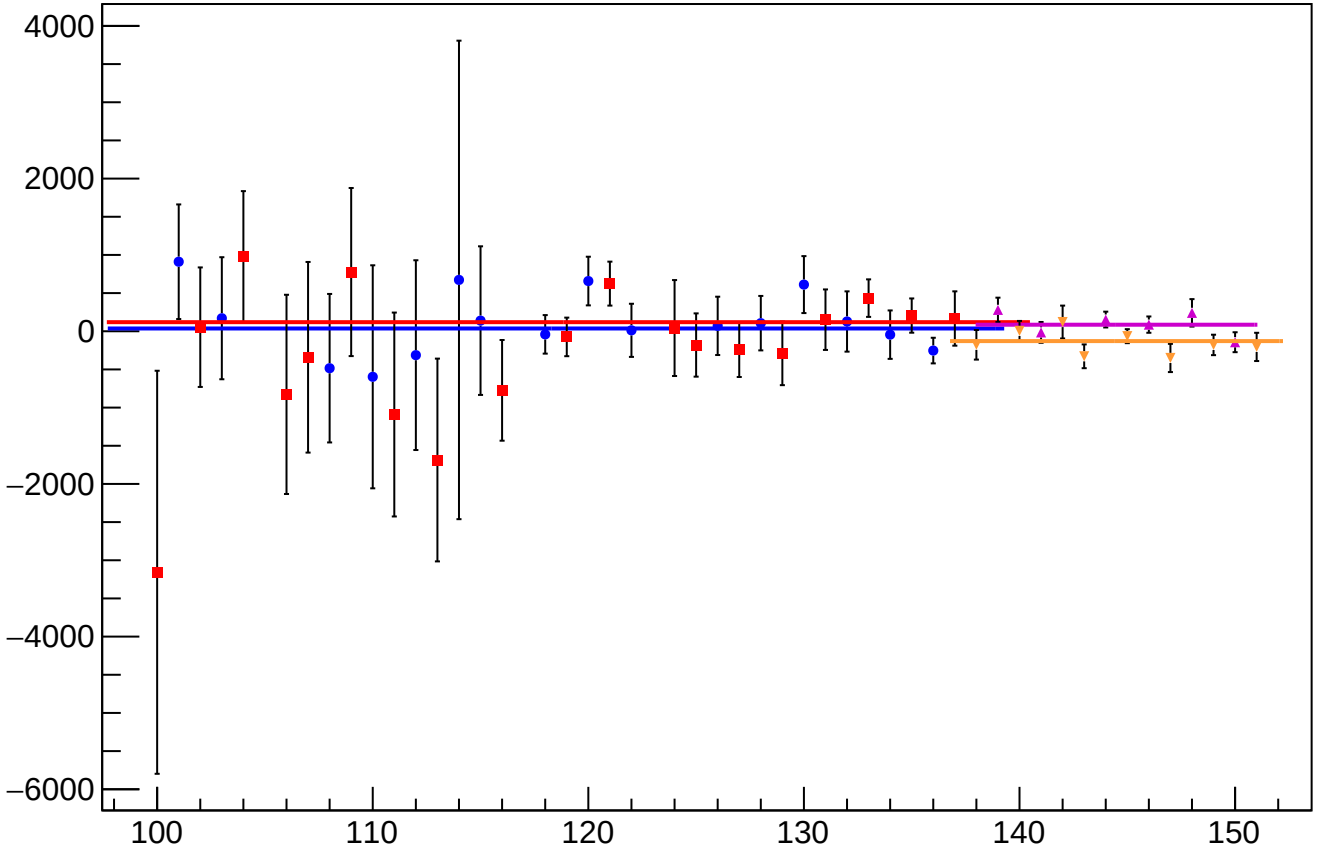
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 46.247+/-0.010 χ^2/NDF:1856083.8/21

Out: 46.765+/-0.009 χ^2/NDF:2178699.5/26

All: 46.514+/-0.007 χ^2/NDF: 4036271.6/48

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: -128.801+/-51.176 χ^2/NDF:6.3/7

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 85.681+/-52.442 χ^2/NDF:6.3/5

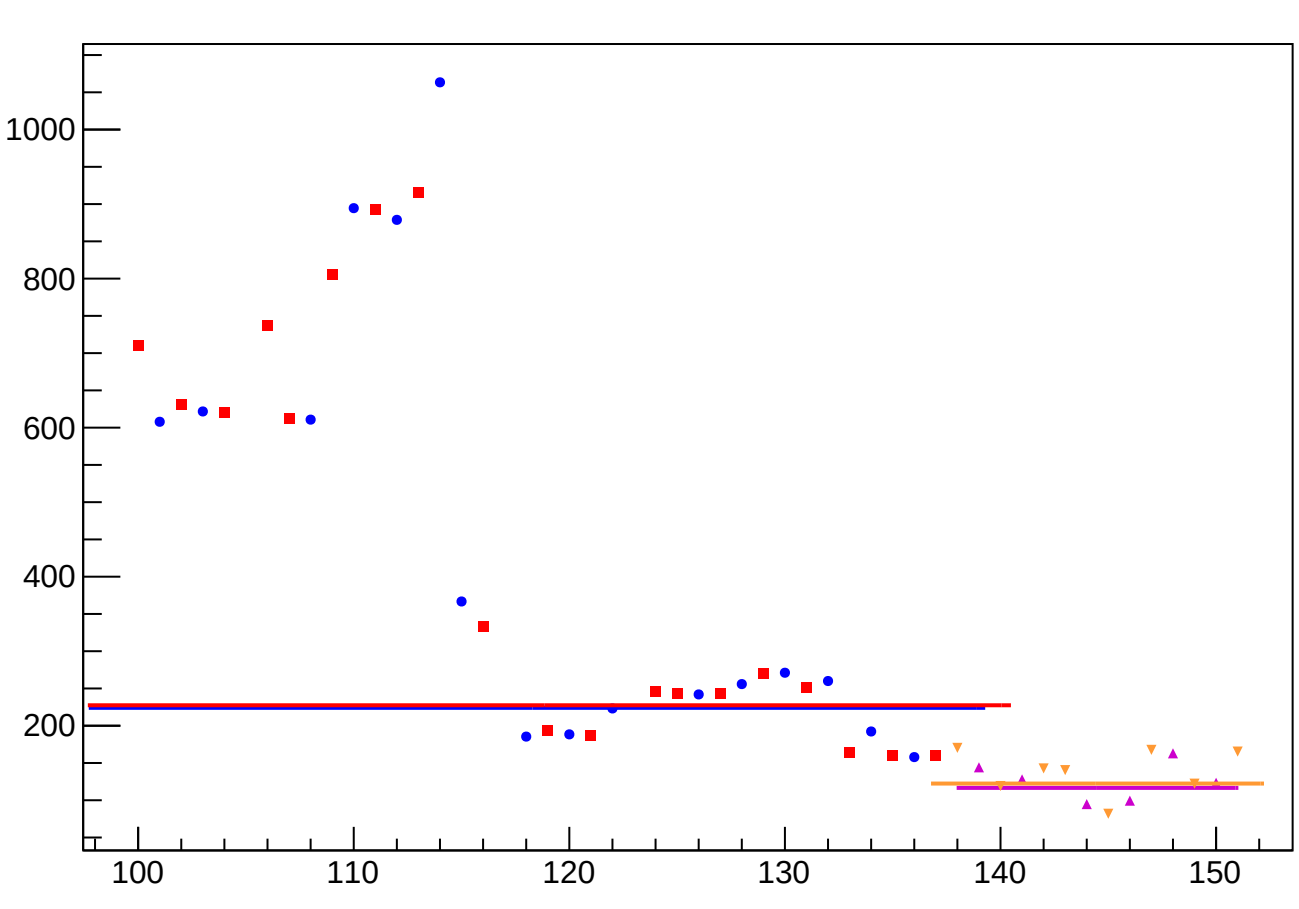
Left: -24.180+/-36.627 χ^2/NDF: 21.2/13

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 73.882+/-45.746 χ^2/NDF:17.9/21

Out: -73.778+/-45.143 χ^2/NDF:27.6/26

All: -0.929+/-32.132 χ^2/NDF: 50.8/48



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 122.399+/-0.036 χ^2/NDF:786370.6/7

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 116.598+/-0.037 χ^2/NDF:351974.1/5

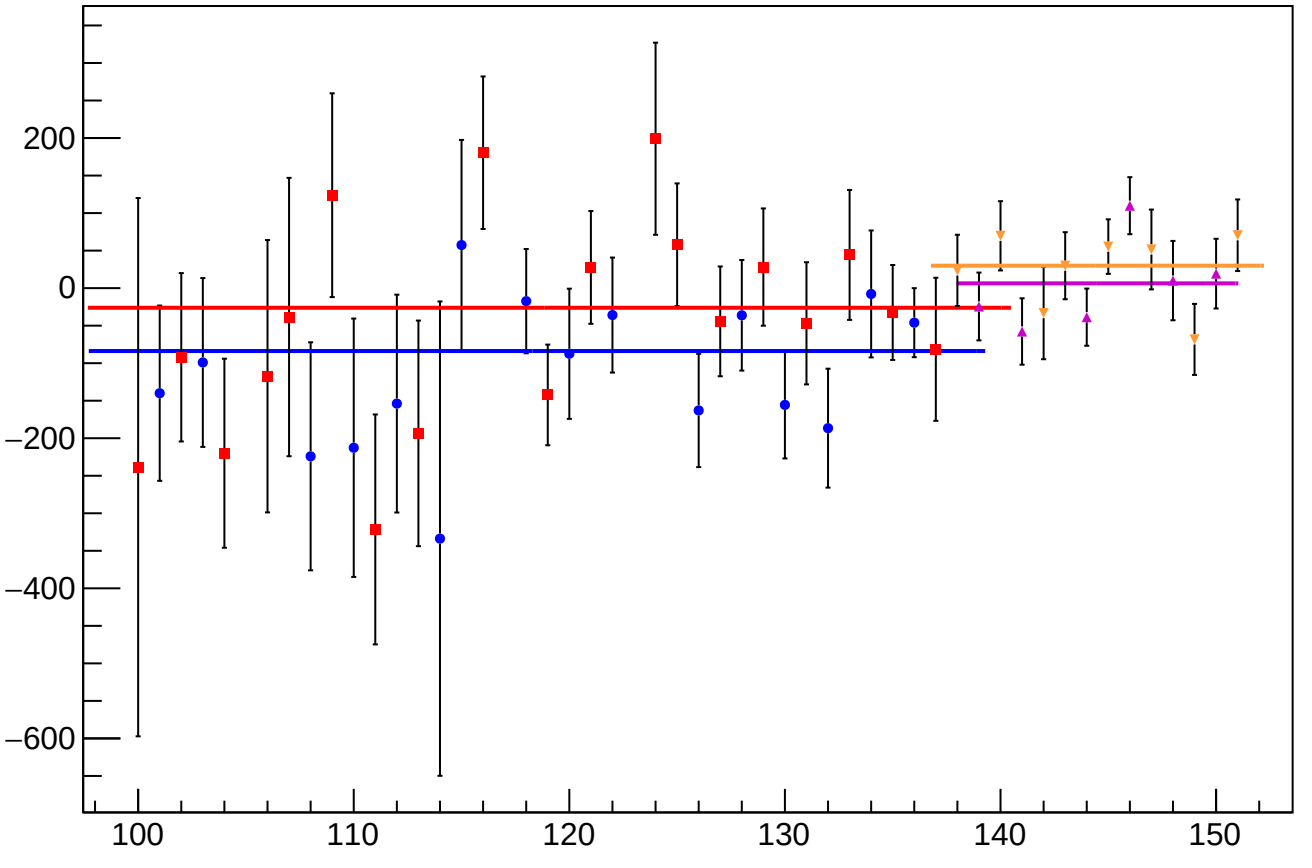
Left: 119.569+/-0.026 χ^2/NDF: 1150878.4/13

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 142.283+/-0.032 χ^2/NDF:5326972.4/21

Out: 145.709+/-0.032 χ^2/NDF:6297018.8/26

All: 144.019+/-0.023 χ^2/NDF: 11629673.1/48



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.921+/-16.494 χ^2/NDF:7.5/7

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 6.379+/-17.667 χ^2/NDF:11.5/5

Left: 18.958+/-12.056 χ^2/NDF: 19.9/13

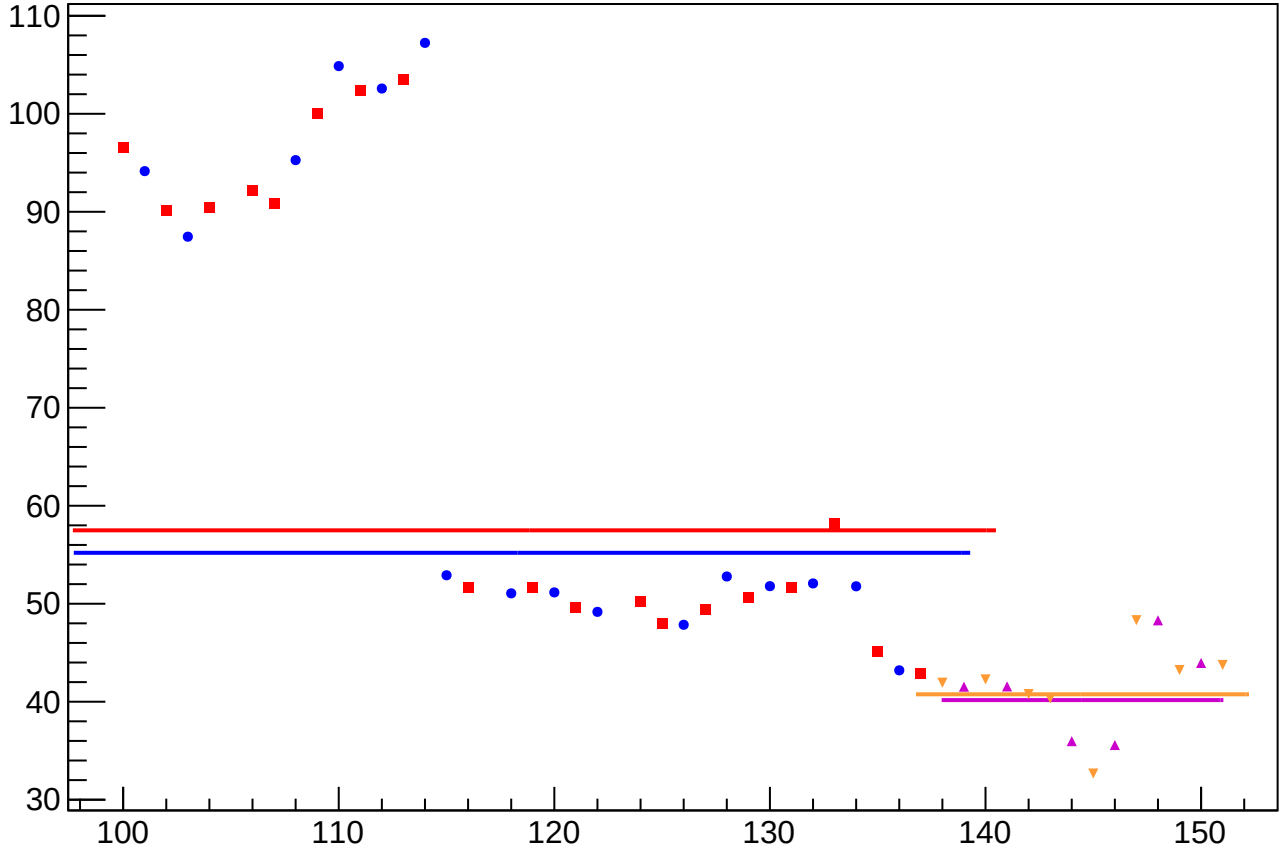
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -30.104+/-13.633 χ^2/NDF:32.5/21

Out: 9.829+/-13.212 χ^2/NDF:34.6/26

All: -9.511+/-9.488 χ^2/NDF: 71.5/48

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.757+/-0.012 χ^2/NDF:156554.4/7

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.167+/-0.012 χ^2/NDF:117868.3/5

Left: 40.482+/-0.009 χ^2/NDF: 275616.0/13

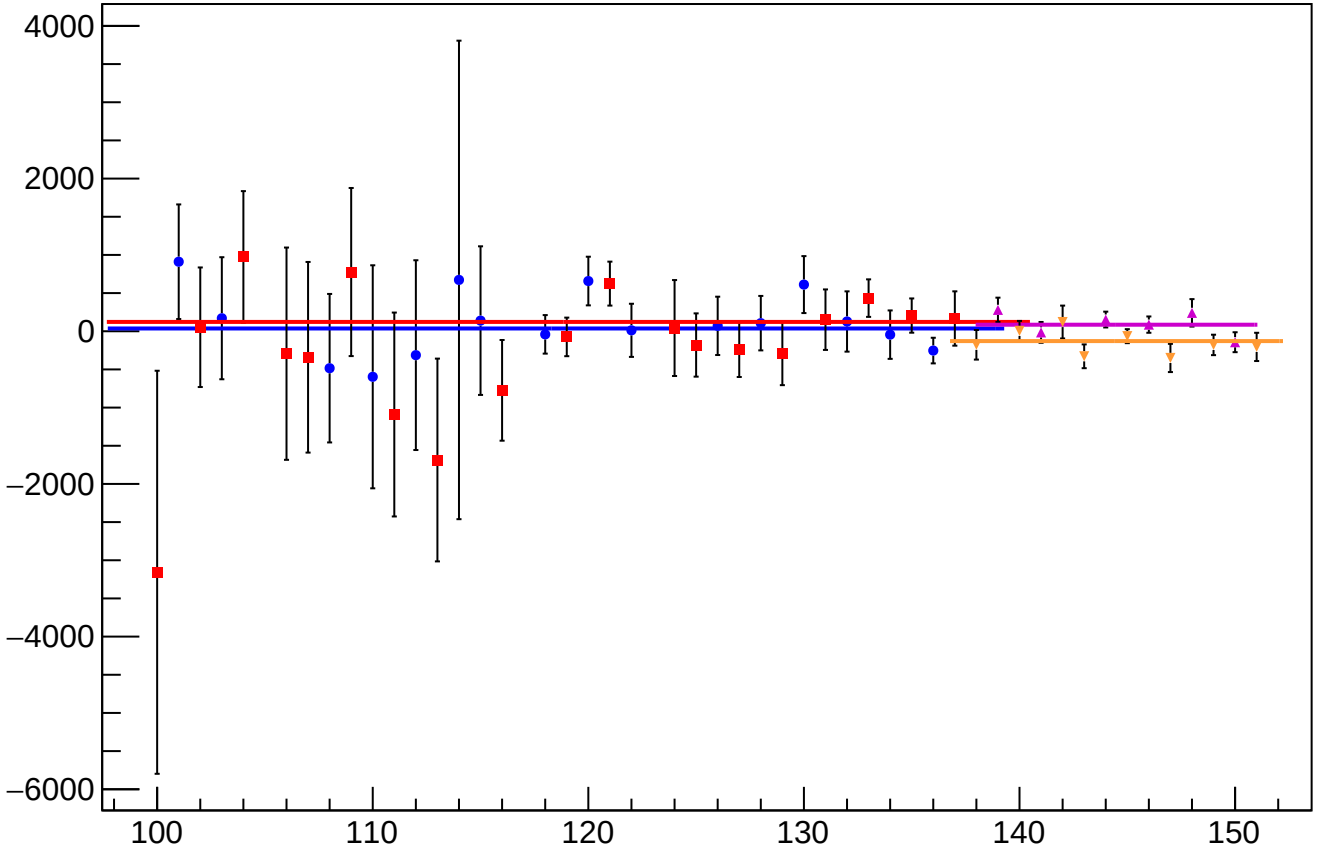
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.247+/-0.010 χ^2/NDF:1856084.0/21

Out: 46.754+/-0.009 χ^2/NDF:2168654.7/26

All: 46.509+/-0.007 χ^2/NDF: 4026164.0/48

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: -128.802+/-51.176 χ^2/NDF:6.3/7

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 85.680+/-52.442 χ^2/NDF:6.3/5

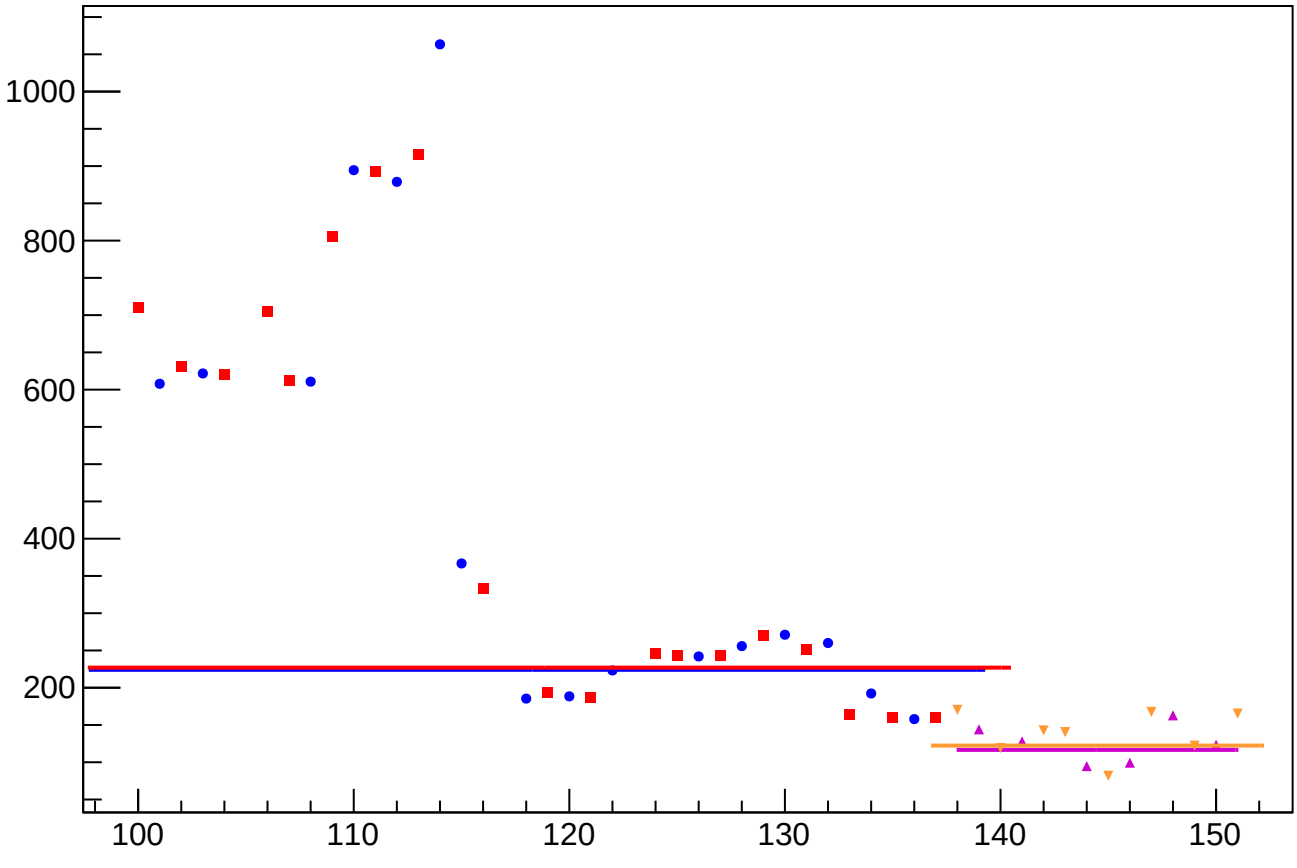
Left: -24.181+/-36.627 χ^2/NDF: 21.2/13

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 73.882+/-45.746 χ^2/NDF:17.9/21

Out: -73.115+/-45.146 χ^2/NDF:27.3/26

All: -0.587+/-32.133 χ^2/NDF: 50.4/48



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 122.399+/-0.036 χ^2/NDF:786376.8/7

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 116.598+/-0.037 χ^2/NDF:351972.7/5

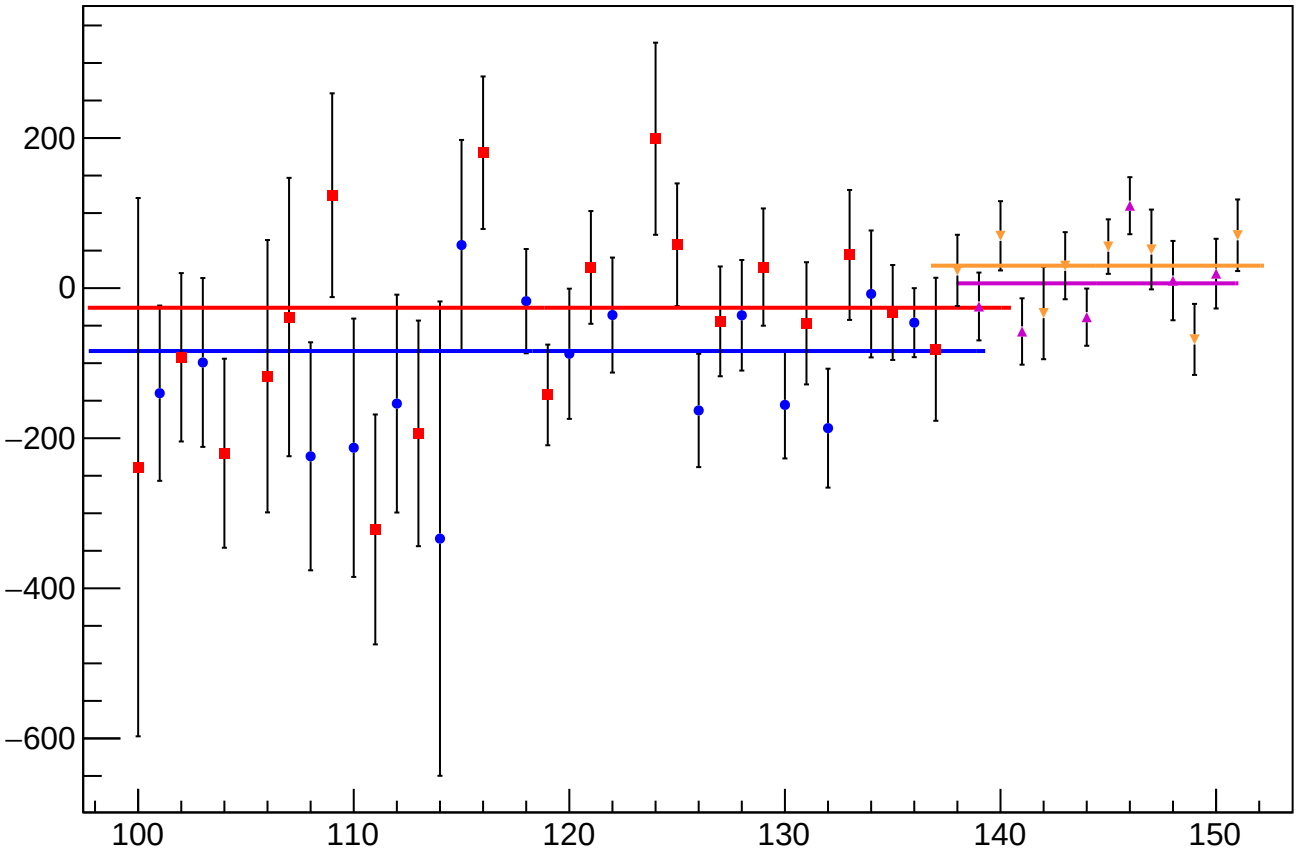
Left: 119.569+/-0.026 χ^2/NDF: 1150884.0/13

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 142.283+/-0.032 χ^2/NDF:5326985.4/21

Out: 145.591+/-0.032 χ^2/NDF:6210350.1/26

All: 143.959+/-0.023 χ^2/NDF: 11542632.0/48



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 29.921+/-16.494 χ^2/NDF:7.5/7

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 6.379+/-17.667 χ^2/NDF:11.5/5

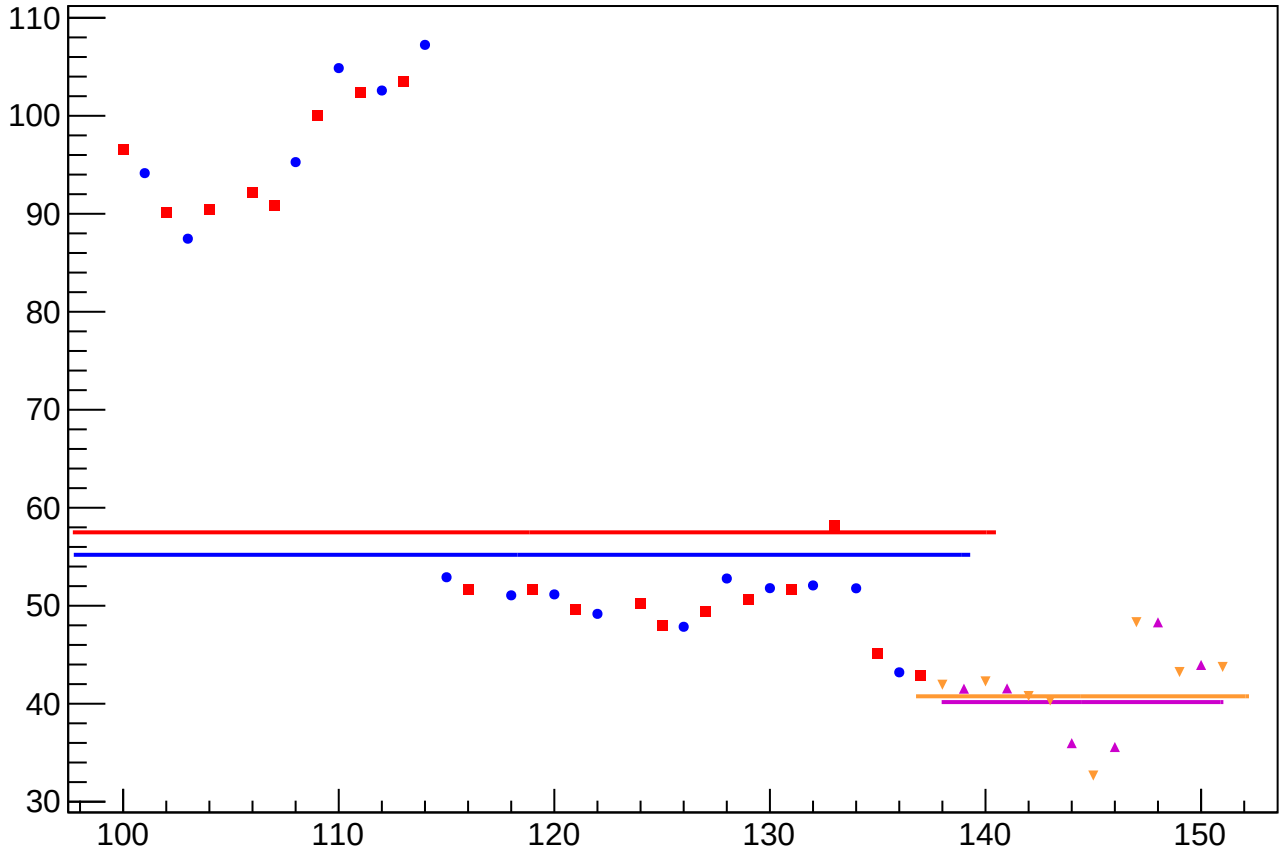
Left: 18.958+/-12.056 χ^2/NDF: 19.9/13

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -30.104+/-13.633 χ^2/NDF:32.5/21

Out: 9.829+/-13.212 χ^2/NDF:34.6/26

All: -9.511+/-9.488 χ^2/NDF: 71.5/48



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.757+/-0.012 χ^2/NDF:156554.4/7

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.167+/-0.012 χ^2/NDF:117868.3/5

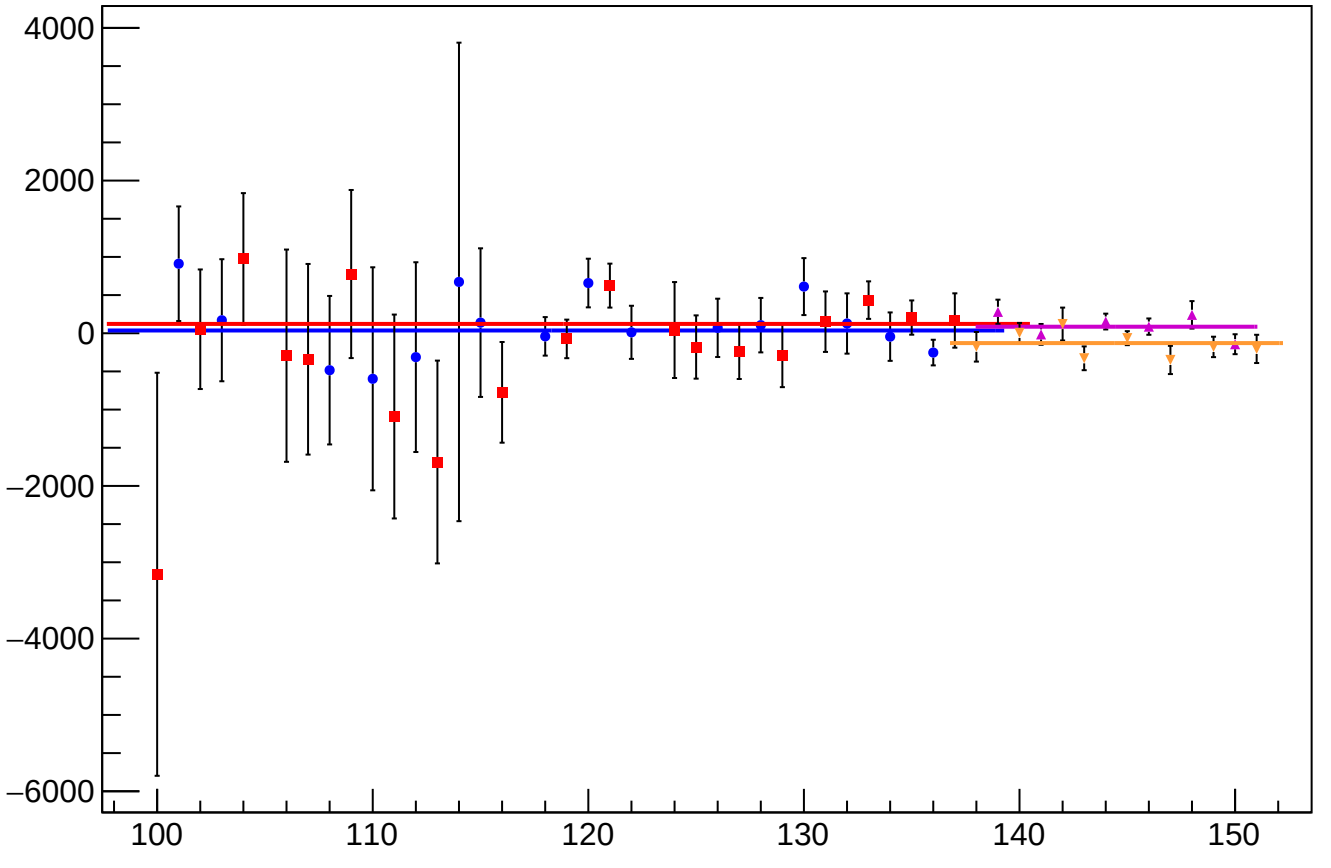
Left: 40.482+/-0.009 χ^2/NDF: 275616.0/13

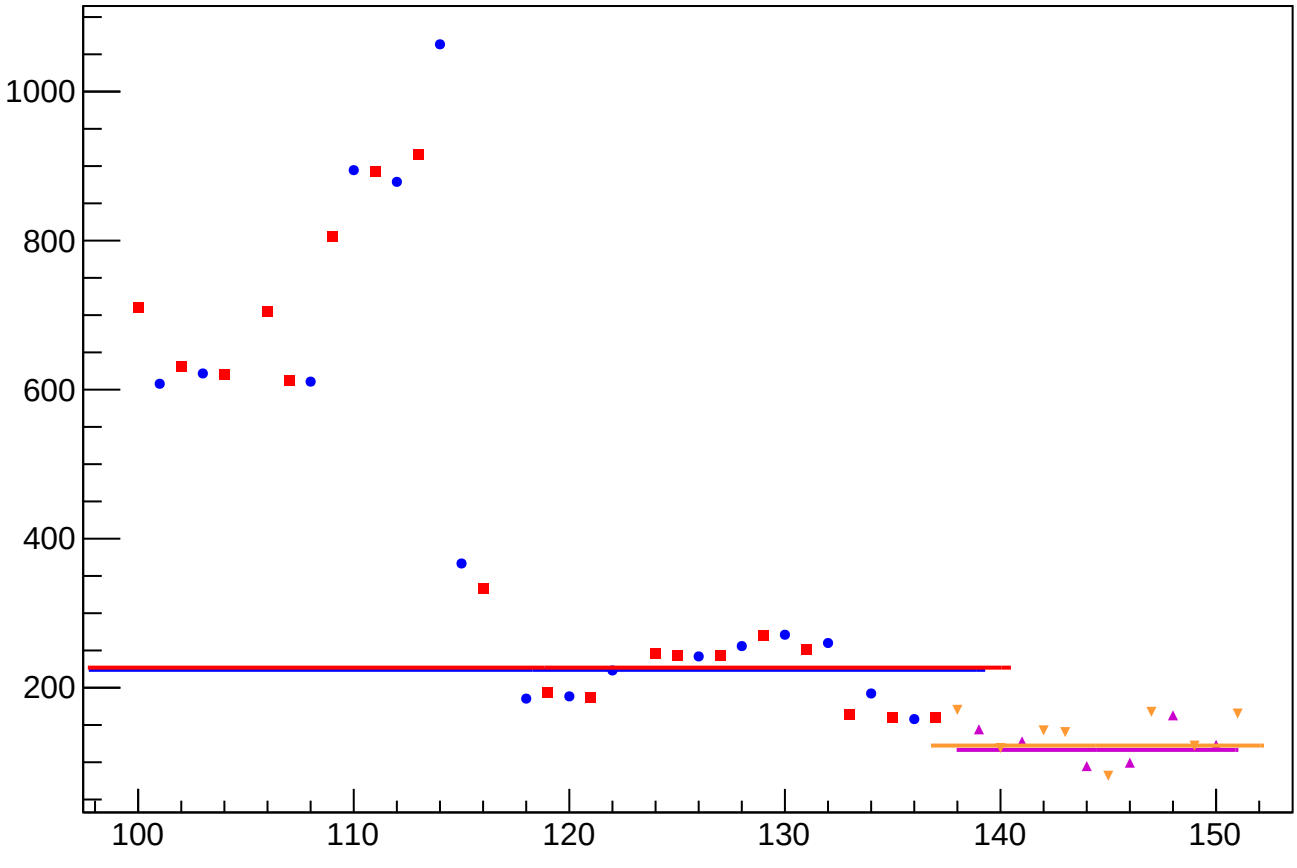
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 46.247+/-0.010 χ^2/NDF:1856084.0/21

Out: 46.754+/-0.009 χ^2/NDF:2168654.7/26

All: 46.509+/-0.007 χ^2/NDF: 4026164.0/48


asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: 36.327+/-93.563 χ²/NDF: 11.4/15
Left Out: -128.802+/-51.176 χ²/NDF:6.3/7
Right Out: 122.289+/-95.865 χ²/NDF: 15.6/18
Left In: 85.680+/-52.442 χ²/NDF:6.3/5
Left: -24.181+/-36.627 χ²/NDF: 21.2/13
Right: 78.263+/-66.958 χ²/NDF: 27.4/34
In: 73.882+/-45.746 χ²/NDF:17.9/21
Out: -73.115+/-45.146 χ²/NDF:27.3/26
All: -0.587+/-32.133 χ²/NDF: 50.4/48



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 122.399+/-0.036 χ^2/NDF:786376.8/7

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 116.598+/-0.037 χ^2/NDF:351972.7/5

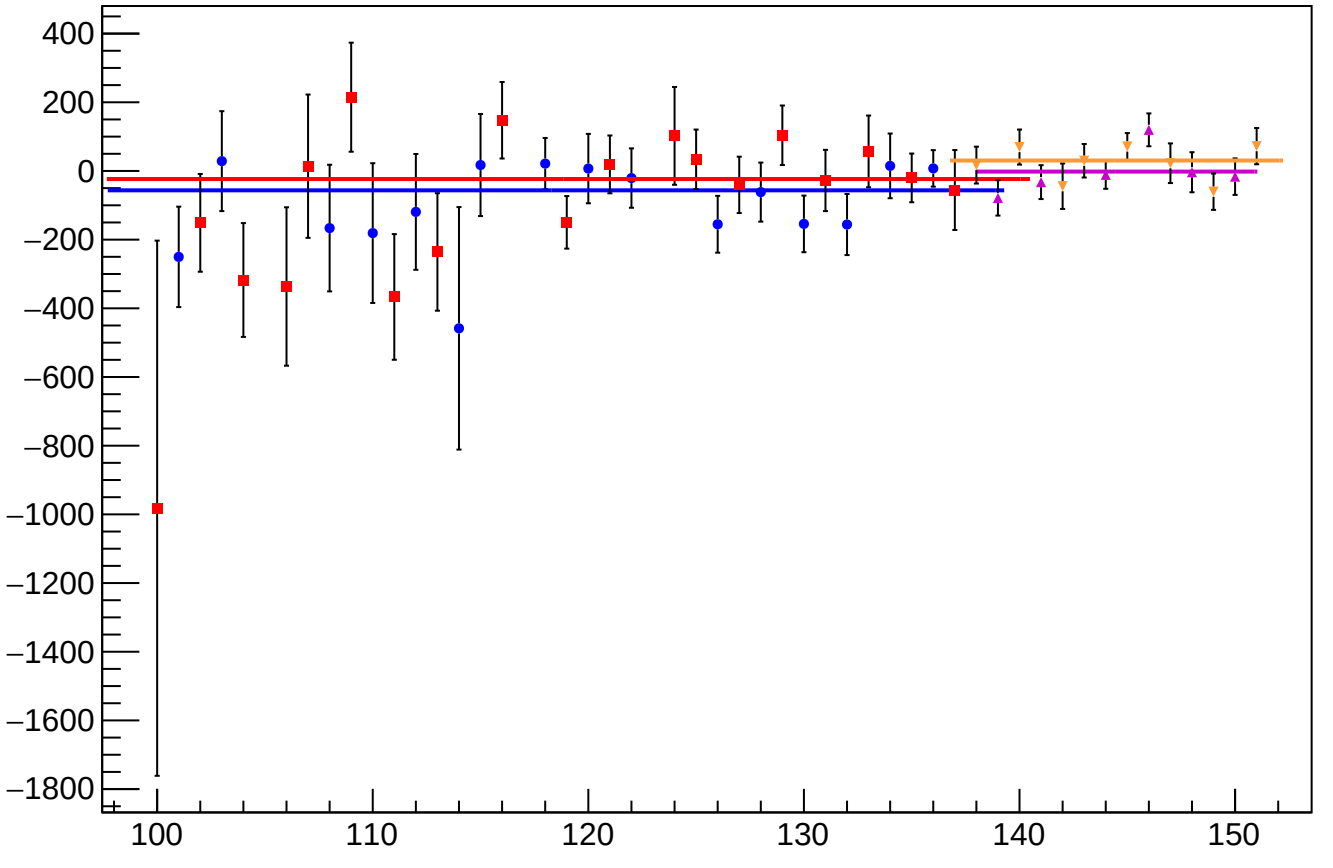
Left: 119.569+/-0.026 χ^2/NDF: 1150884.0/13

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 142.283+/-0.032 χ^2/NDF:5326985.4/21

Out: 145.591+/-0.032 χ^2/NDF:6210350.1/26

All: 143.959+/-0.023 χ^2/NDF: 11542632.0/48



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 30.419+/-18.108 χ^2/NDF:6.6/7

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -1.842+/-20.083 χ^2/NDF:9.2/5

Left: 15.953+/-13.448 χ^2/NDF: 17.2/13

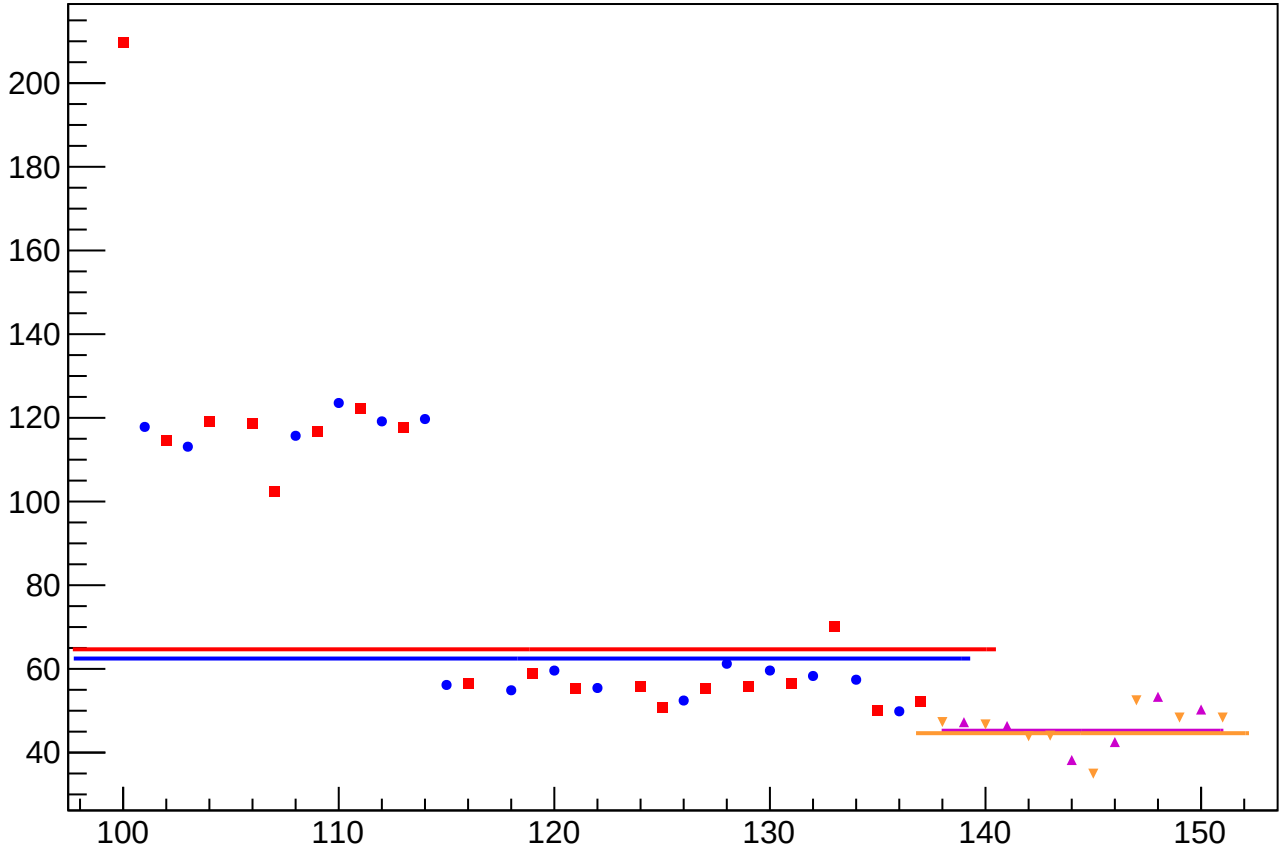
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -23.786+/-15.529 χ^2/NDF:24.4/21

Out: 12.023+/-14.697 χ^2/NDF:33.7/26

All: -4.897+/-10.674 χ^2/NDF: 60.9/48

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 44.633+/-0.013 χ^2/NDF:188345.0/7

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 45.222+/-0.014 χ^2/NDF:126699.9/5

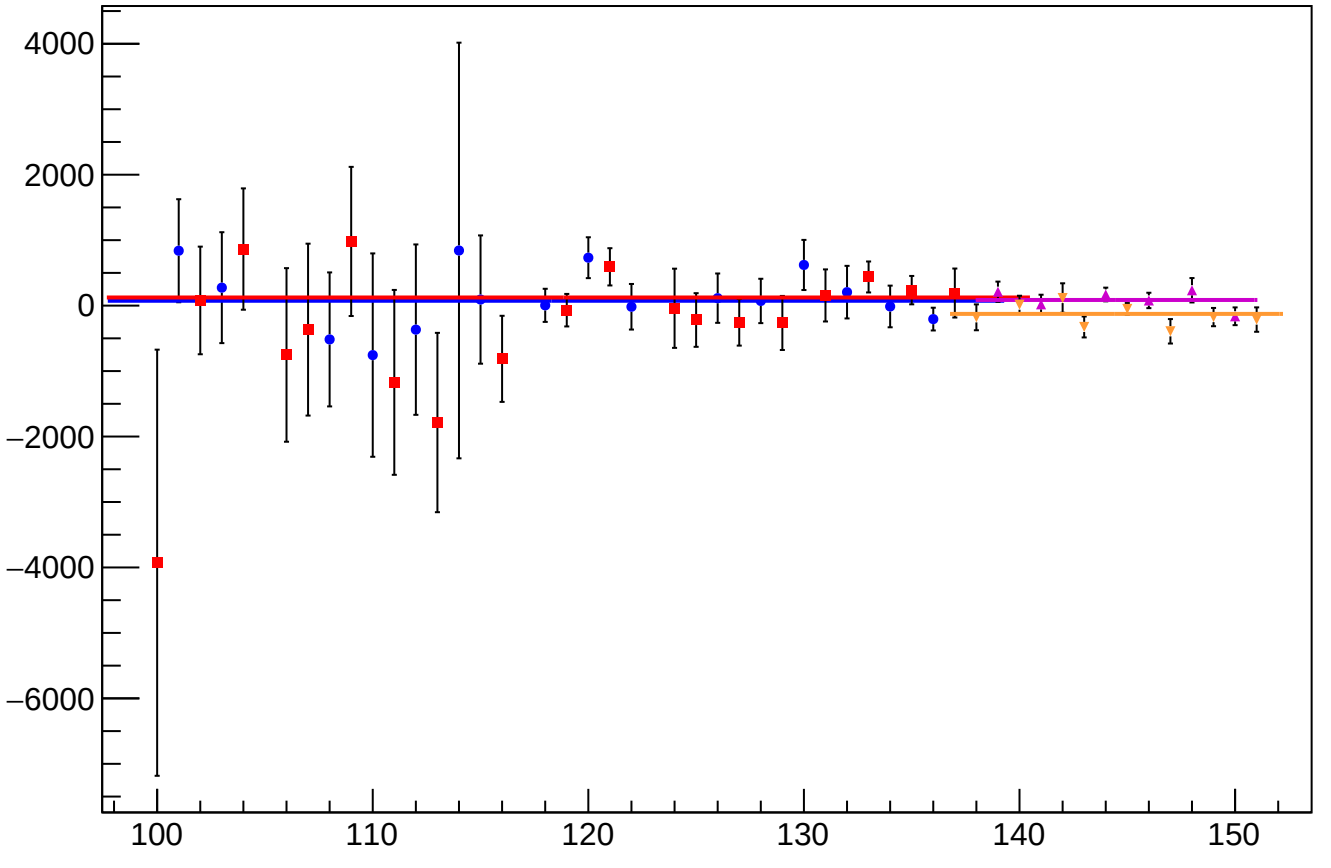
Left: 44.897+/-0.010 χ^2/NDF: 315994.9/13

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 52.160+/-0.011 χ^2/NDF:2068370.1/21

Out: 51.473+/-0.010 χ^2/NDF:2615252.9/26

All: 51.798+/-0.008 χ^2/NDF: 4685682.1/48



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -126.461+/-51.958 χ^2/NDF:6.9/7

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 86.336+/-54.594 χ^2/NDF:5.5/5

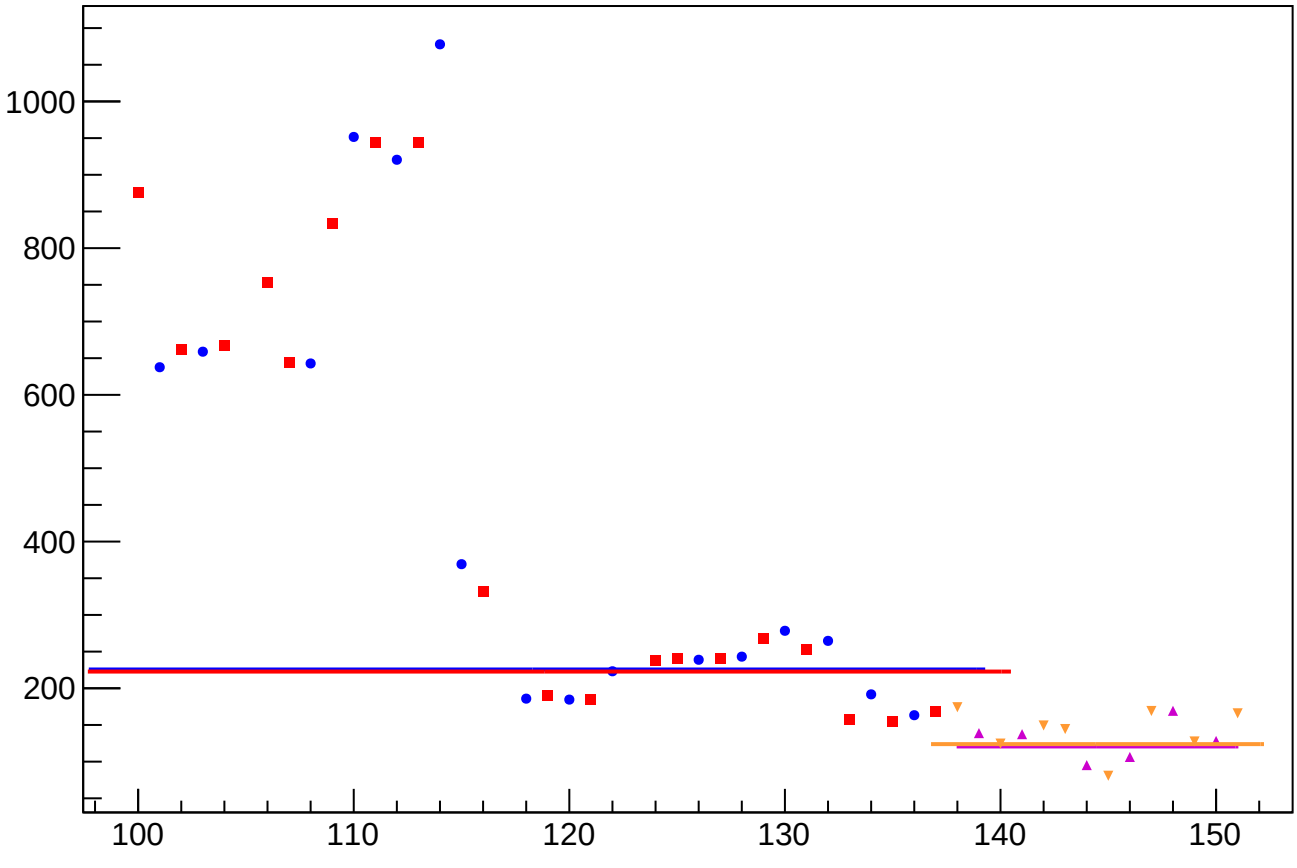
Left: -25.325+/-37.637 χ^2/NDF: 20.4/13

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 83.323+/-47.271 χ^2/NDF:16.7/21

Out: -68.432+/-45.548 χ^2/NDF:28.7/26

All: 4.629+/-32.800 χ^2/NDF: 50.7/48



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 123.881+/-0.037 χ^2/NDF:866502.4/7

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 120.704+/-0.039 χ^2/NDF:343647.0/5

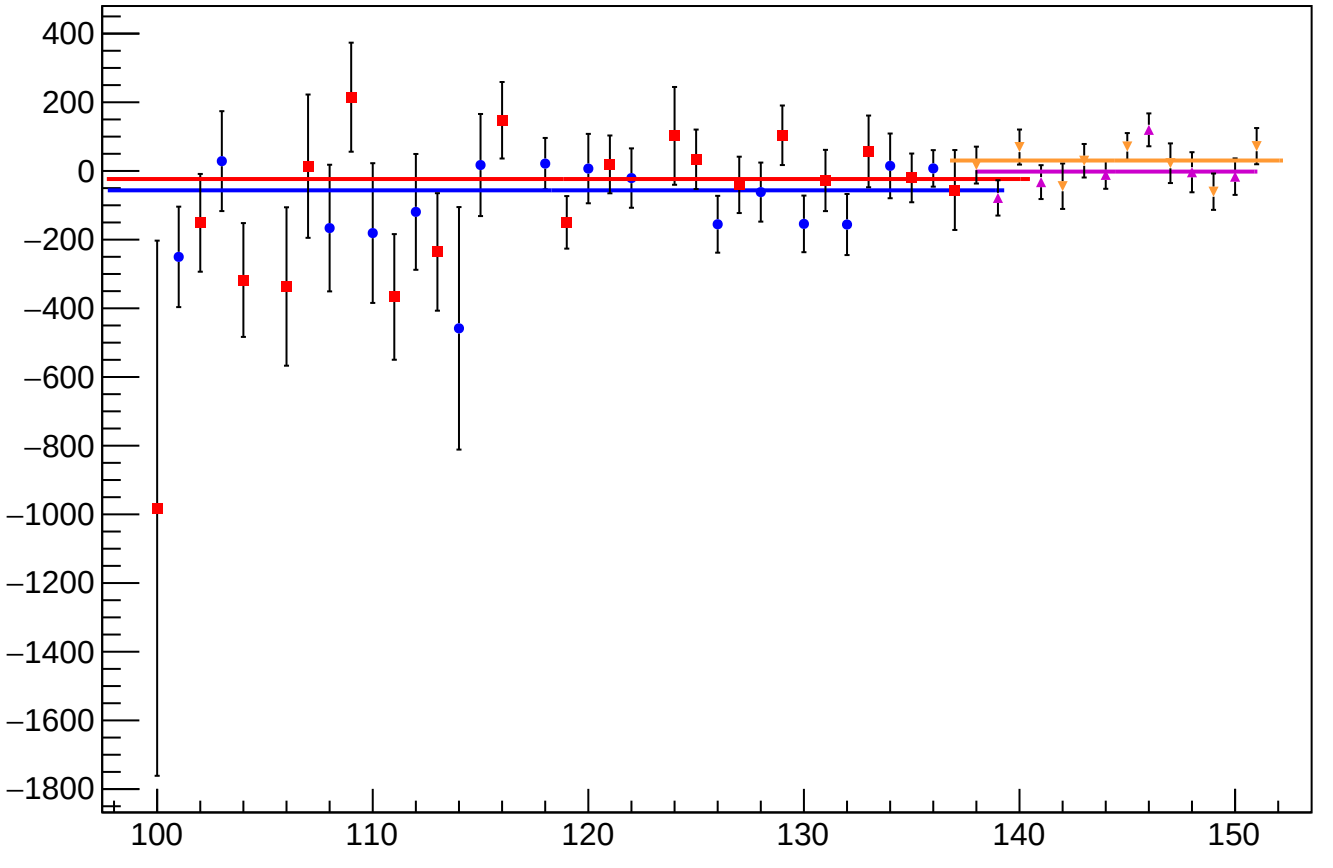
Left: 122.371+/-0.027 χ^2/NDF: 1213702.6/13

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 146.960+/-0.033 χ^2/NDF:5217974.8/21

Out: 146.778+/-0.032 χ^2/NDF:6392407.7/26

All: 146.866+/-0.023 χ^2/NDF: 11610397.8/48



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 30.419+/-18.108 χ^2/NDF:6.6/7

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -1.841+/-20.083 χ^2/NDF:9.2/5

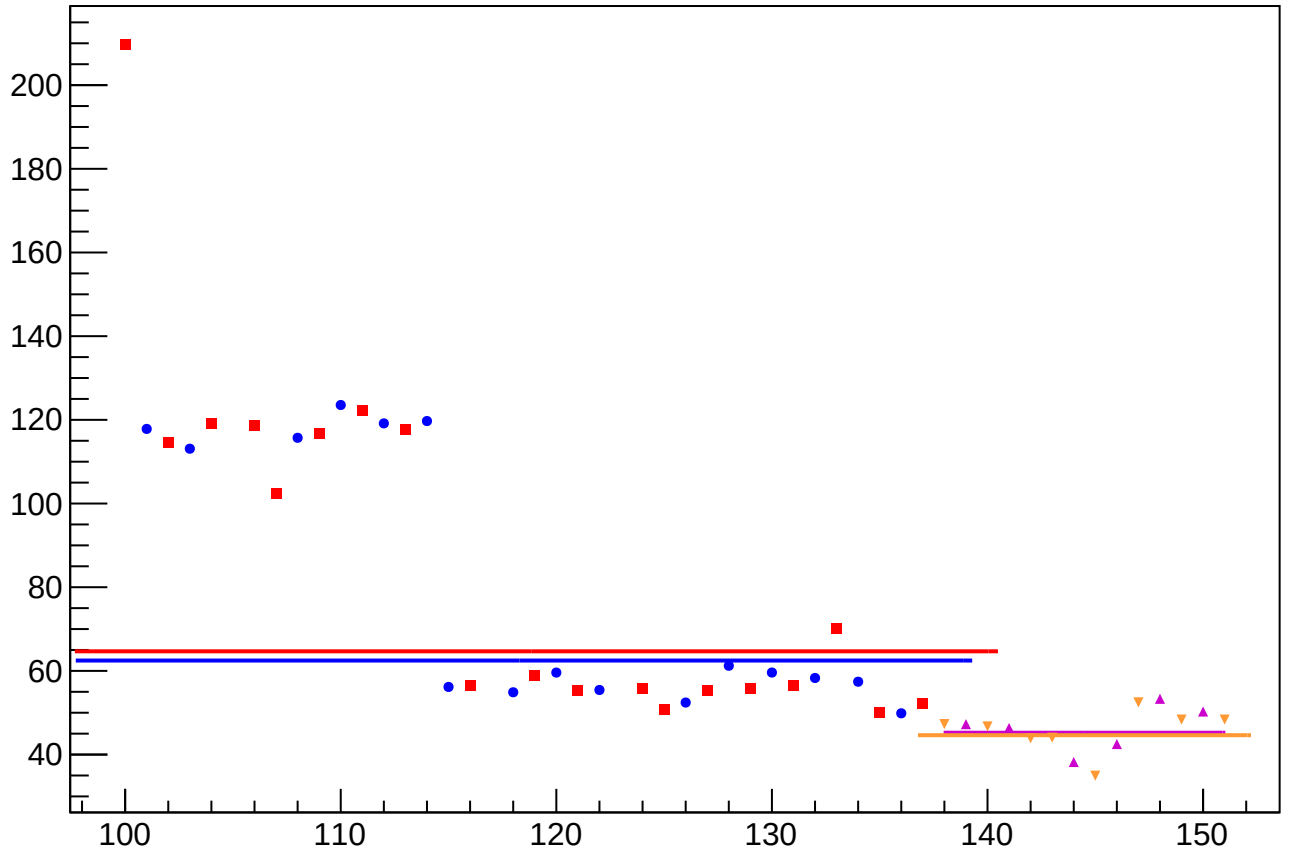
Left: 15.953+/-13.448 χ^2/NDF: 17.2/13

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

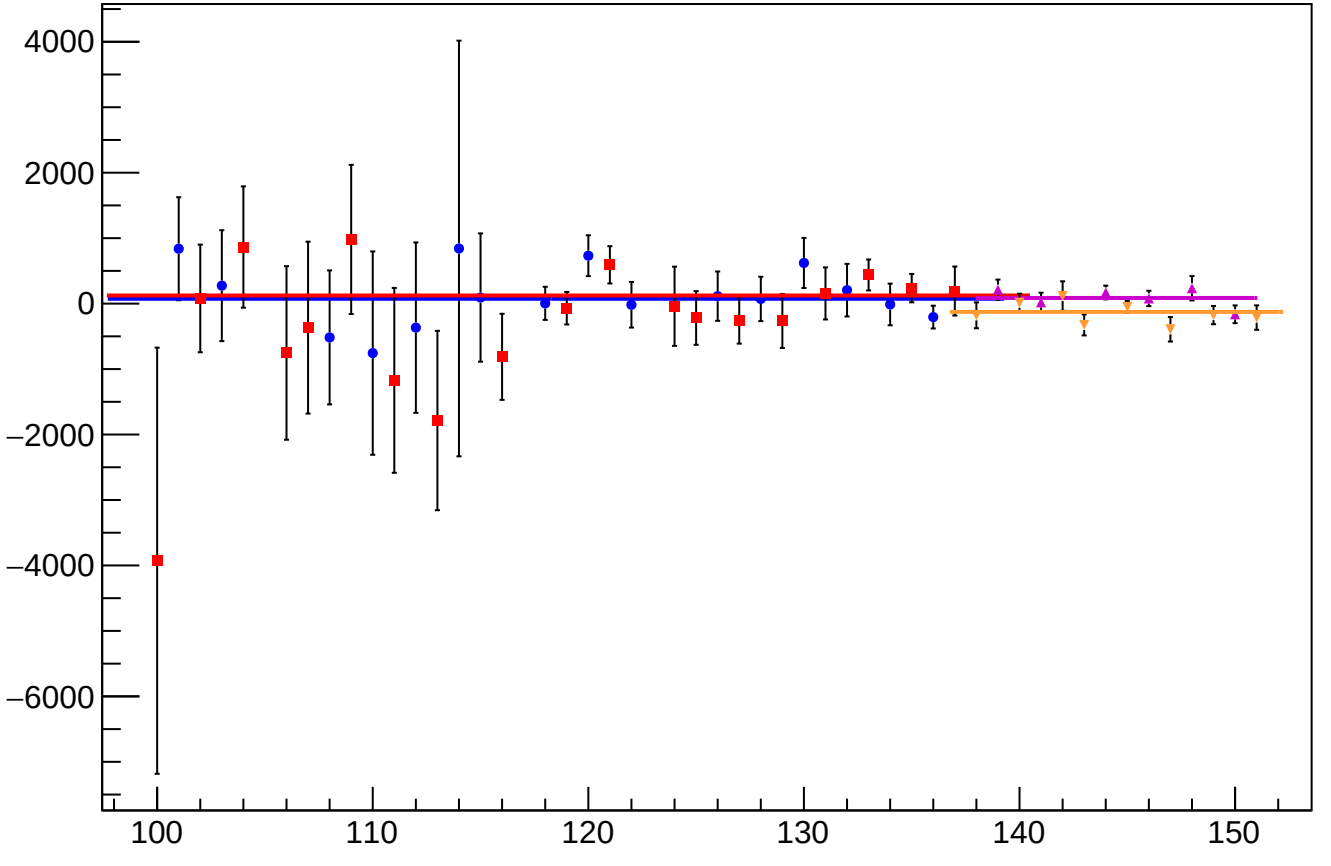
In: -23.786+/-15.529 χ^2/NDF:24.4/21

Out: 12.021+/-14.697 χ^2/NDF:33.7/26

All: -4.898+/-10.674 χ^2/NDF: 60.9/48


eigen_dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected
200
180
160
140
120
100
80
60
40
100
110
120
130
140
150
Right In: 62.474+/-0.017 χ²/NDF: 1348204.7/15
Left Out: 44.633+/-0.013 χ²/NDF:188348.0/7
Right Out: 64.680+/-0.018 χ²/NDF: 1590426.1/18
Left In: 45.222+/-0.014 χ²/NDF:126698.8/5
Left: 44.897+/-0.010 χ²/NDF: 315996.6/13
Right: 63.547+/-0.012 χ²/NDF: 2946529.3/34
In: 52.159+/-0.011 χ²/NDF:2068318.5/21
Out: 51.474+/-0.010 χ²/NDF:2615209.8/26
All: 51.798+/-0.008 χ²/NDF: 4685586.6/48

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: -126.461+/-51.958 χ^2/NDF:6.9/7

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 86.337+/-54.594 χ^2/NDF:5.5/5

Left: -25.324+/-37.637 χ^2/NDF: 20.4/13

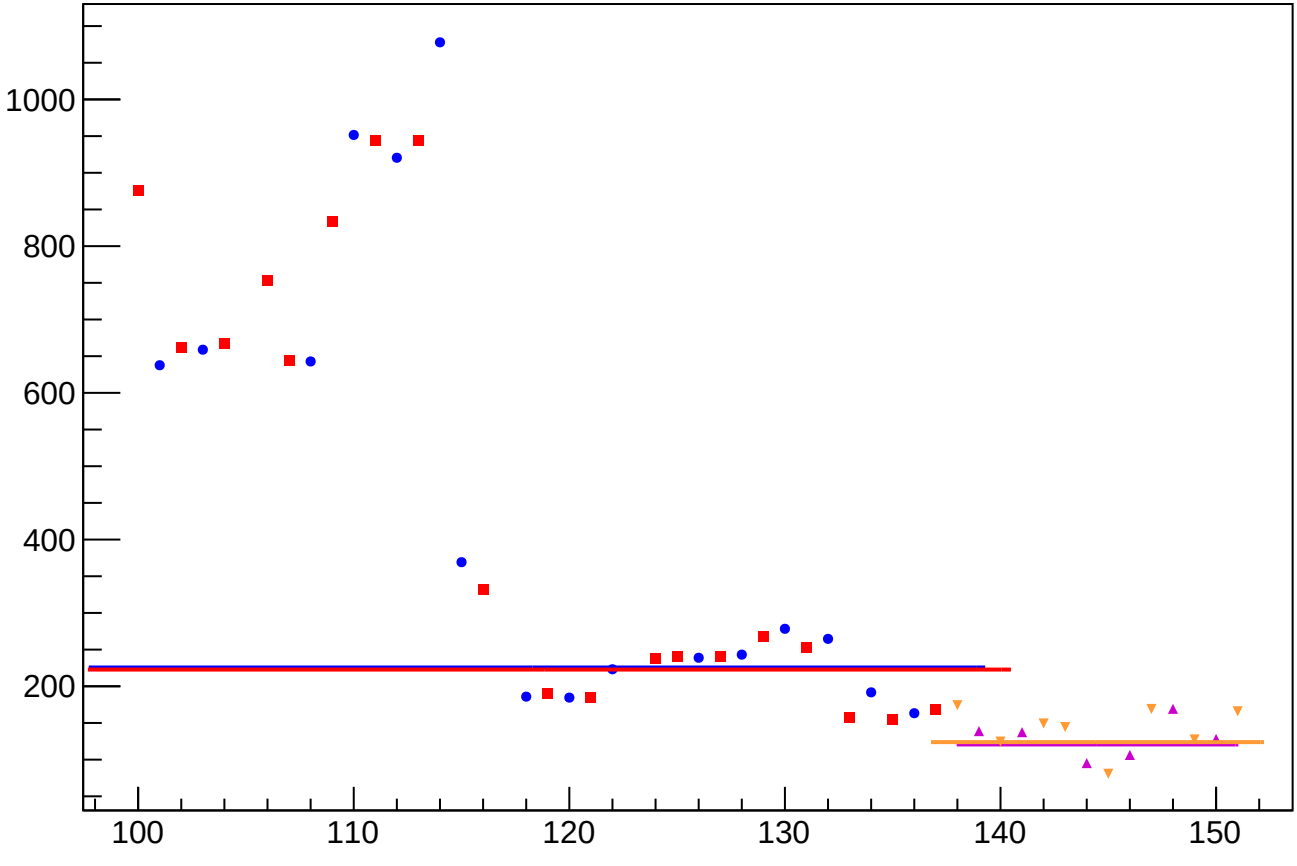
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 83.323+/-47.272 χ^2/NDF:16.7/21

Out: -68.432+/-45.548 χ^2/NDF:28.7/26

All: 4.629+/-32.800 χ^2/NDF: 50.7/48

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: 123.881+/-0.037 χ^2/NDF:866512.3/7

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 120.704+/-0.039 χ^2/NDF:343656.0/5

Left: 122.371+/-0.027 χ^2/NDF: 1213722.0/13

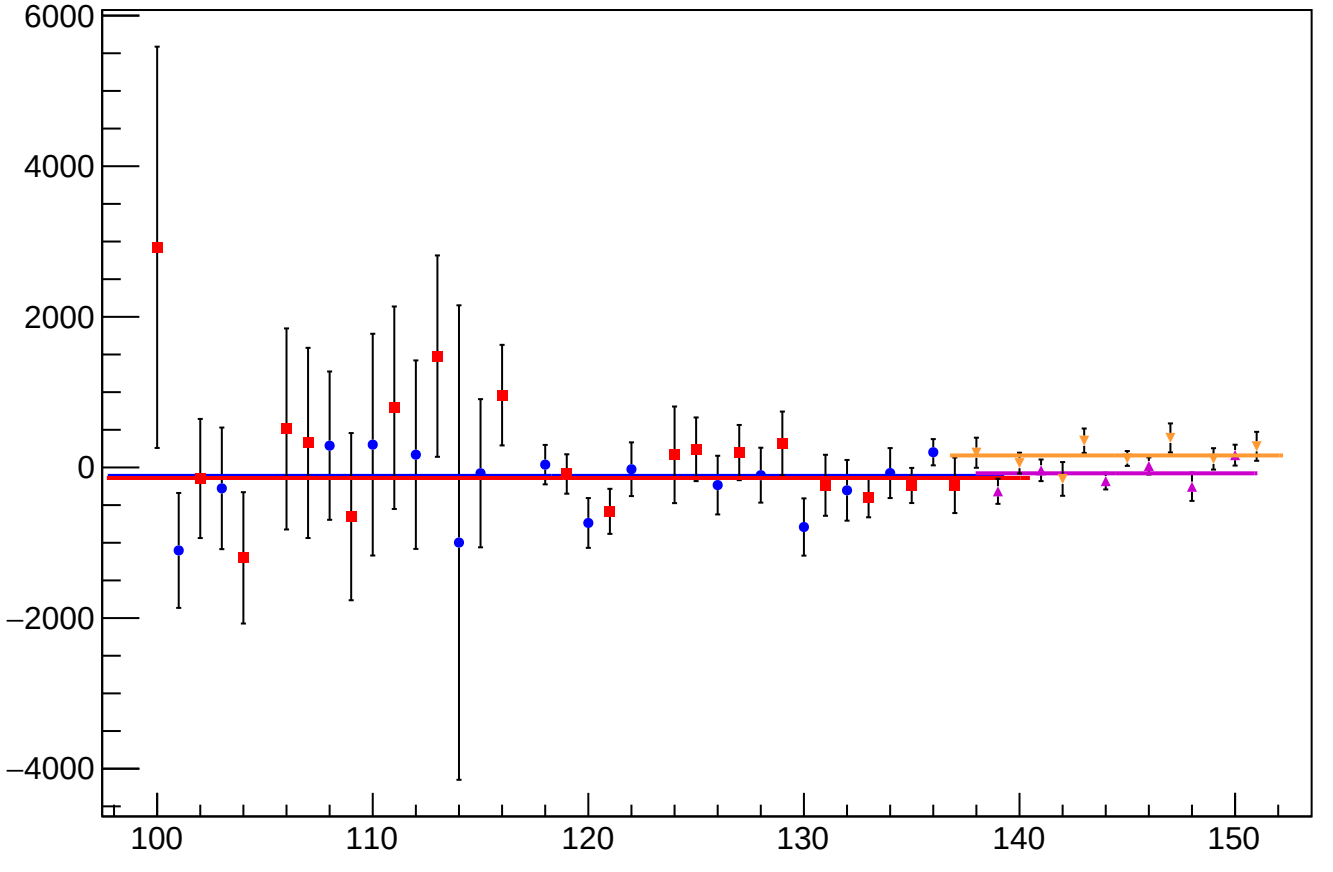
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 146.960+/-0.033 χ^2/NDF:5217959.0/21

Out: 146.779+/-0.032 χ^2/NDF:6392389.6/26

All: 146.866+/-0.023 χ^2/NDF: 11610363.9/48

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 159.423+/-54.115 χ^2/NDF:6.1/7

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -77.699+/-55.605 χ^2/NDF:7.7/5

Left: 44.080+/-38.781 χ^2/NDF: 23.1/13

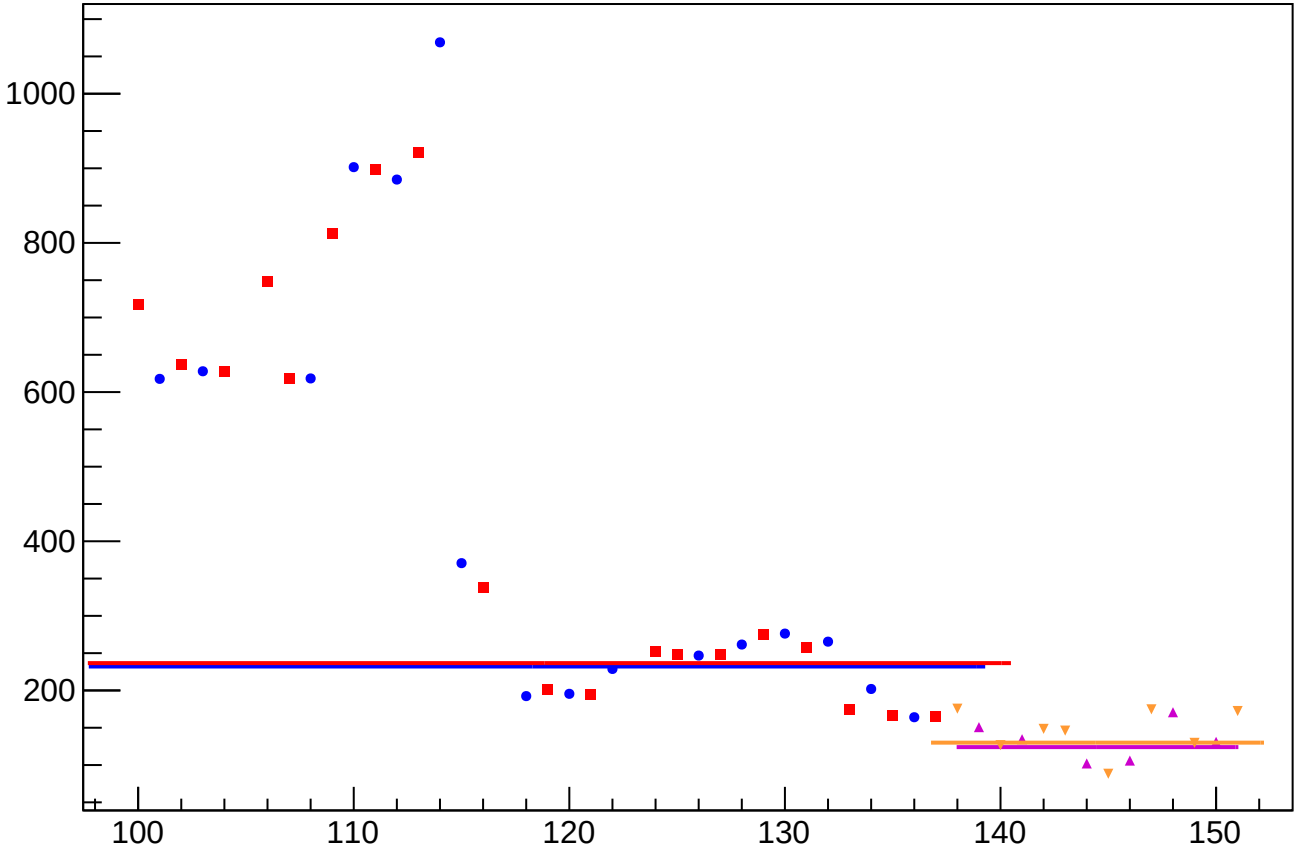
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -86.221+/-48.185 χ^2/NDF:20.6/21

Out: 90.731+/-47.503 χ^2/NDF:27.8/26

All: 3.516+/-33.828 χ^2/NDF: 55.2/48

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 130.034+/-0.038 χ^2/NDF:700140.1/7

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 124.034+/-0.039 χ^2/NDF:319359.9/5

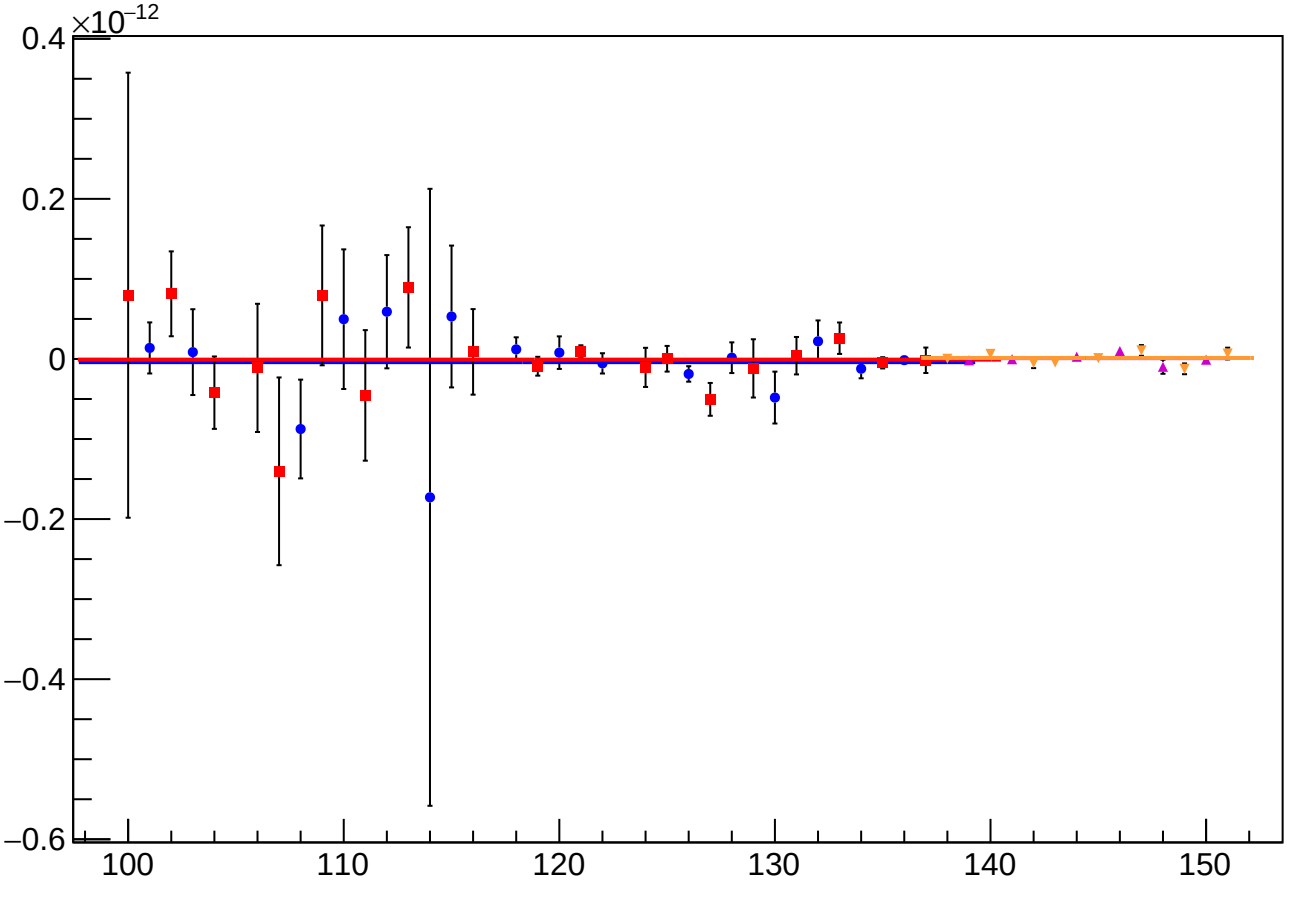
Left: 127.115+/-0.027 χ^2/NDF: 1031457.2/13

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 150.951+/-0.034 χ^2/NDF:5086577.6/21

Out: 154.494+/-0.034 χ^2/NDF:6002188.6/26

All: 152.748+/-0.024 χ^2/NDF: 11094249.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/5

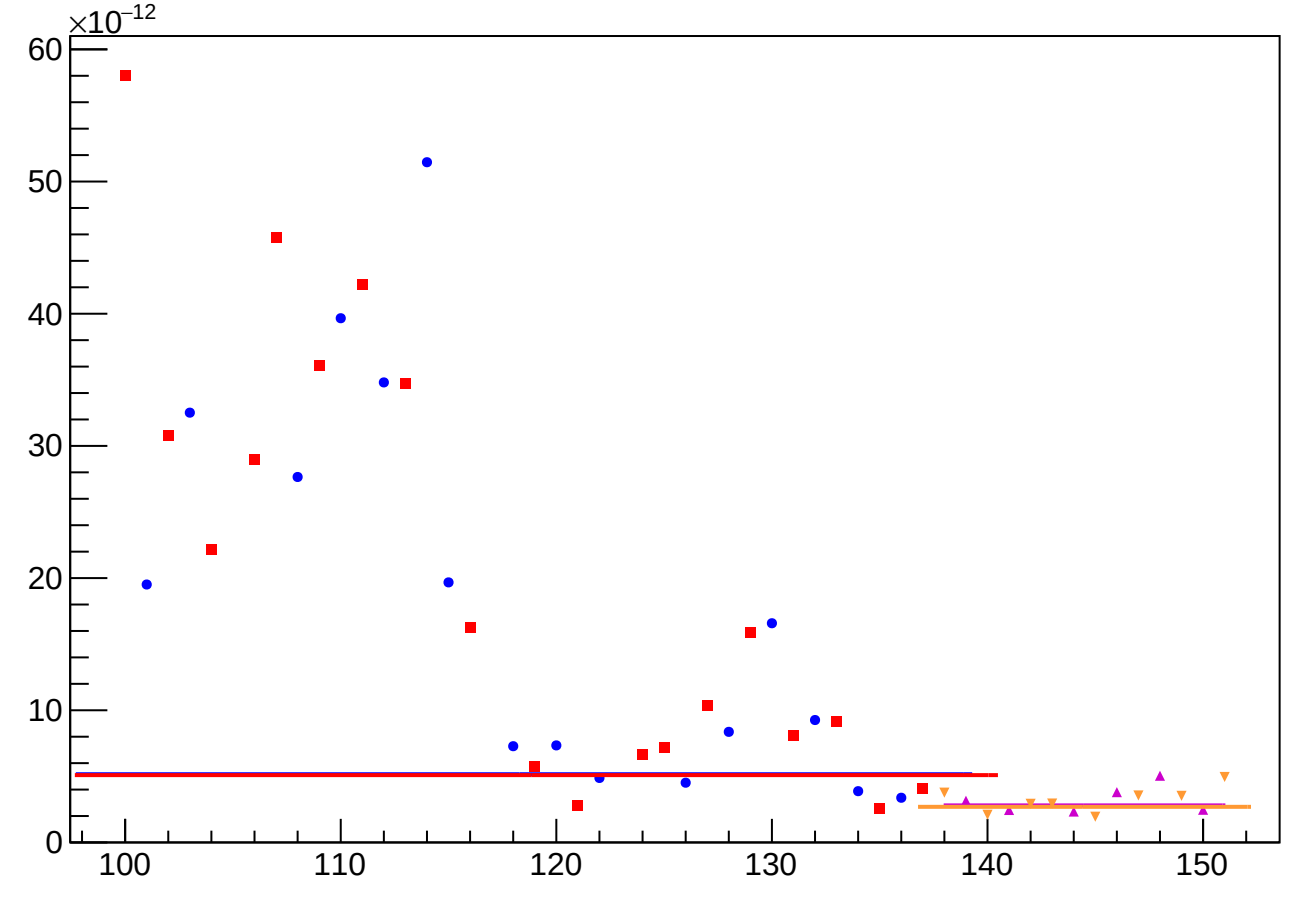
Left: 0.000+/-0.000 χ^2/NDF: 15.3/13

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:17.4/21

Out: 0.000+/-0.000 χ^2/NDF:29.1/26

All: 0.000+/-0.000 χ^2/NDF: 46.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:488724.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:256005.8/5

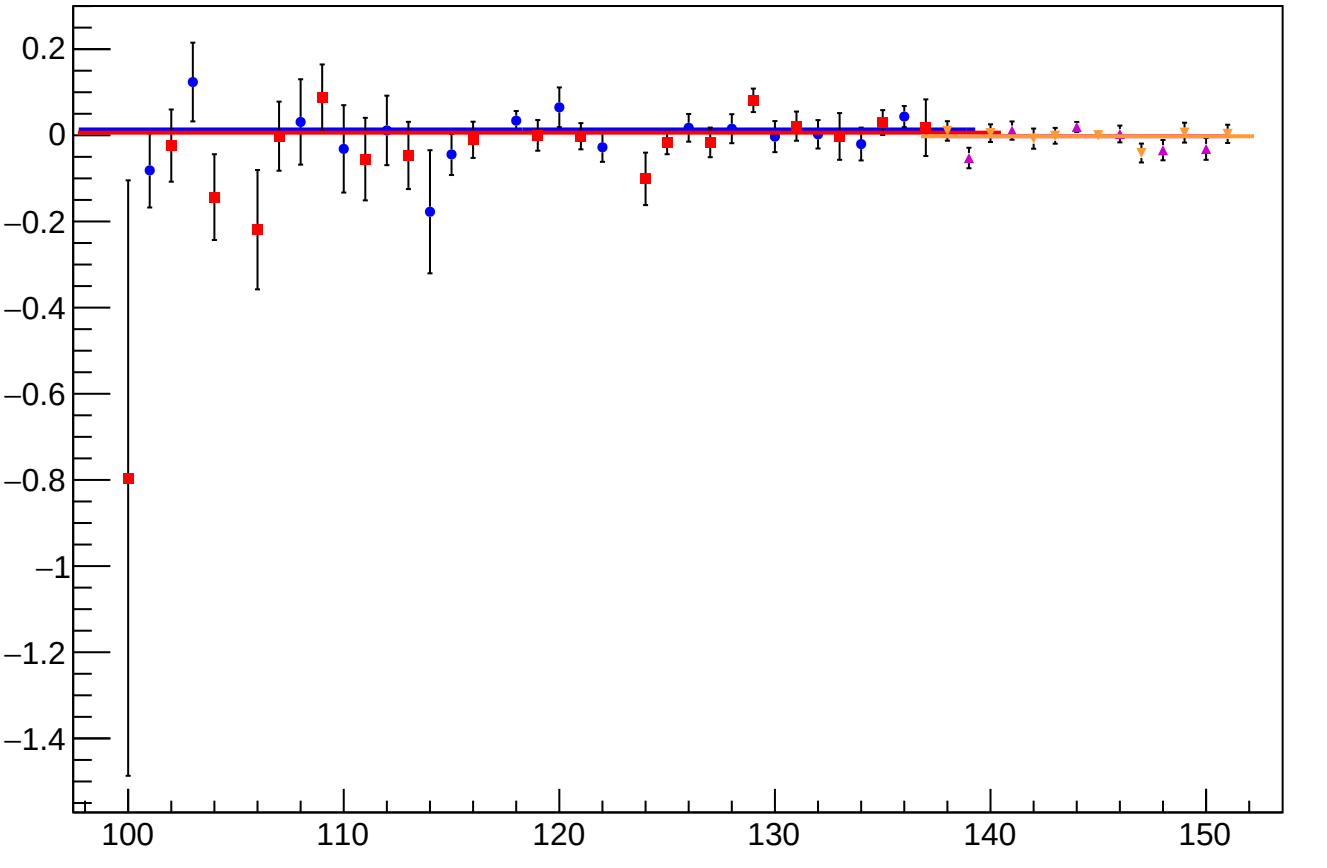
Left: 0.000+/-0.000 χ^2/NDF: 748112.0/13

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3517144.3/21

Out: 0.000+/-0.000 χ^2/NDF:4342061.1/26

All: 0.000+/-0.000 χ^2/NDF: 7880558.0/48



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.008 χ^2/NDF:11.5/5

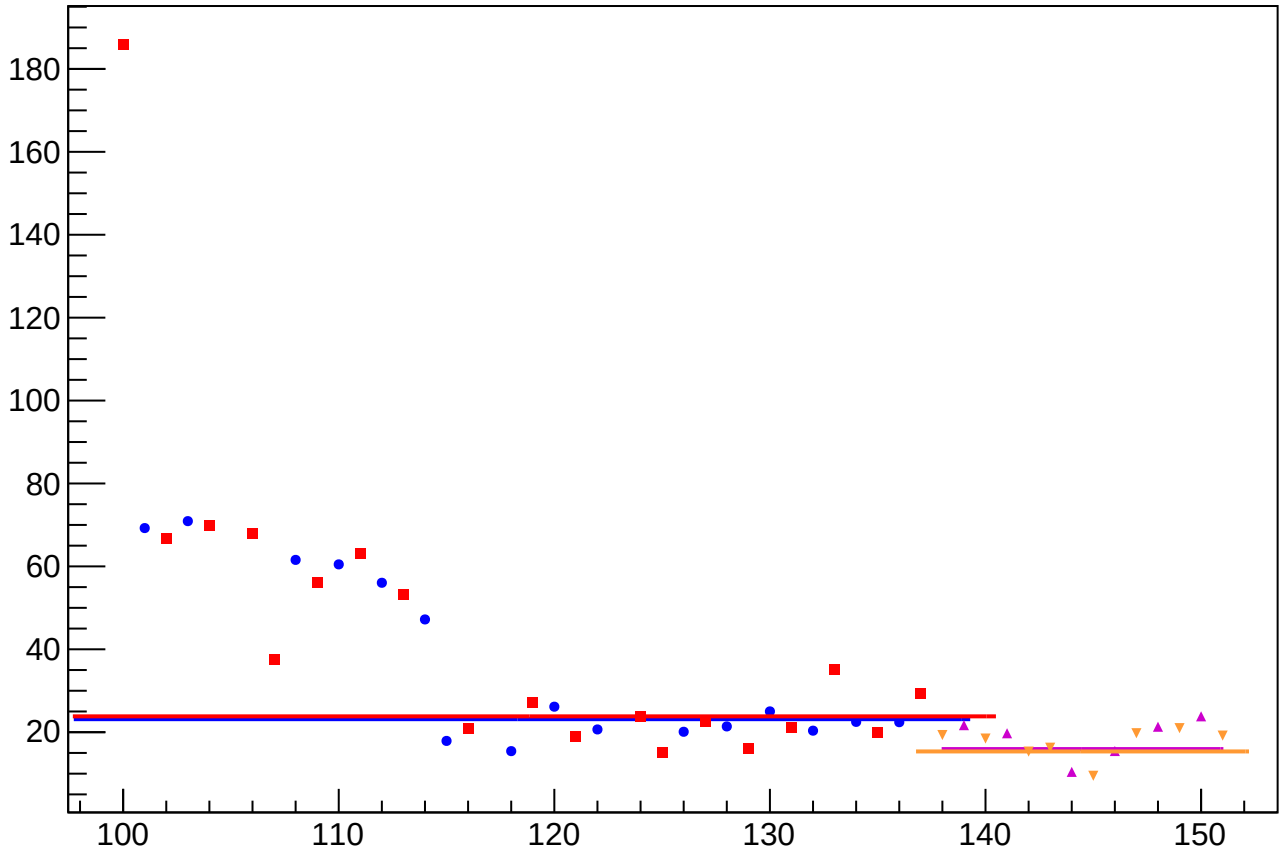
Left: -0.002+/-0.005 χ^2/NDF: 15.4/13

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.006 χ^2/NDF:25.4/21

Out: 0.000+/-0.006 χ^2/NDF:25.8/26

All: 0.002+/-0.004 χ^2/NDF: 51.4/48



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.361+/-0.005 χ^2/NDF:915142.1/7

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.931+/-0.005 χ^2/NDF:918054.0/5

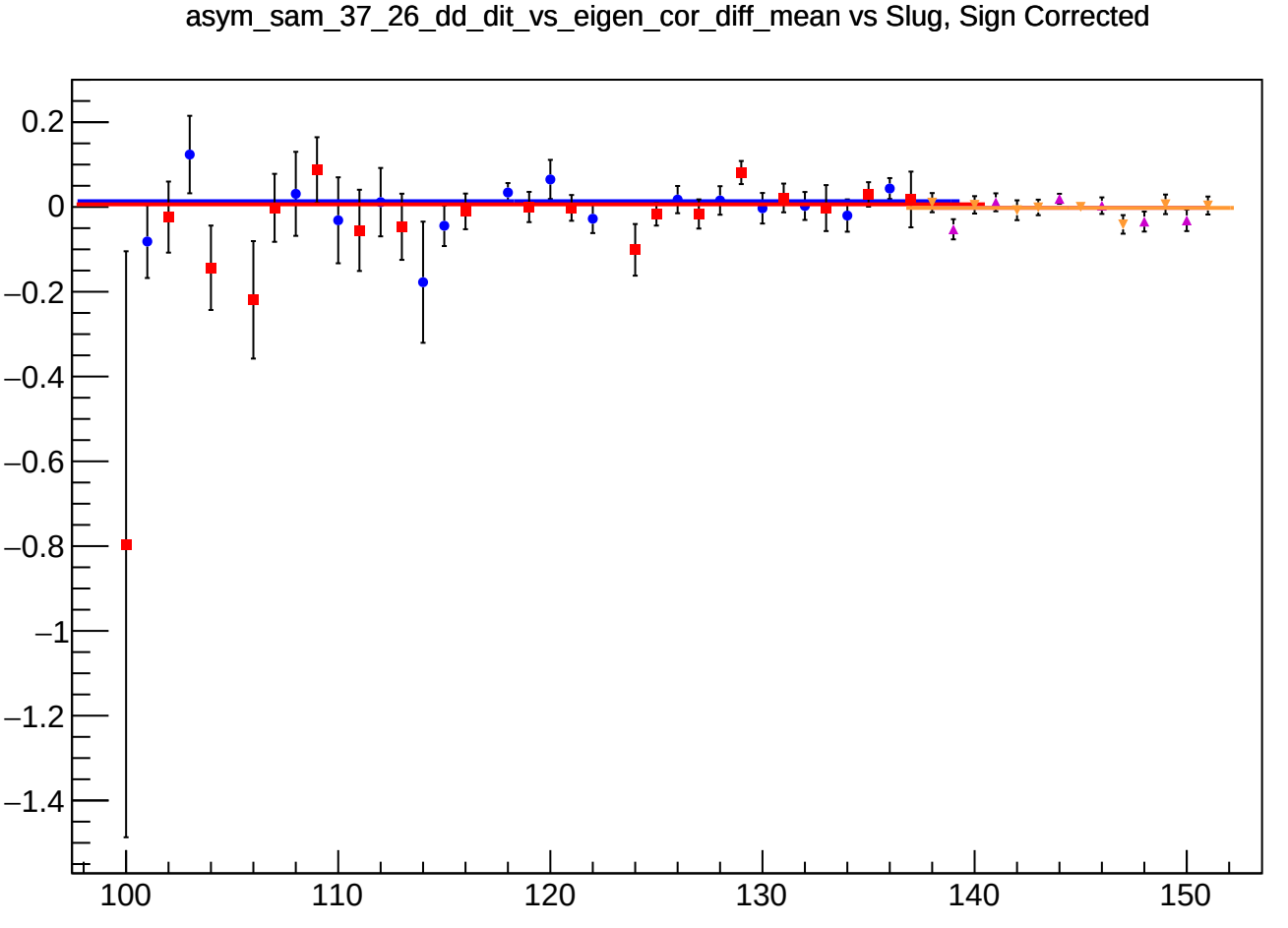
Left: 15.604+/-0.004 χ^2/NDF: 1839598.4/13

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.637+/-0.004 χ^2/NDF:3995440.6/21

Out: 17.891+/-0.004 χ^2/NDF:4805110.1/26

All: 18.230+/-0.003 χ^2/NDF: 8817232.5/48



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.008 χ^2/NDF:11.5/5

Left: -0.002+/-0.005 χ^2/NDF: 15.4/13

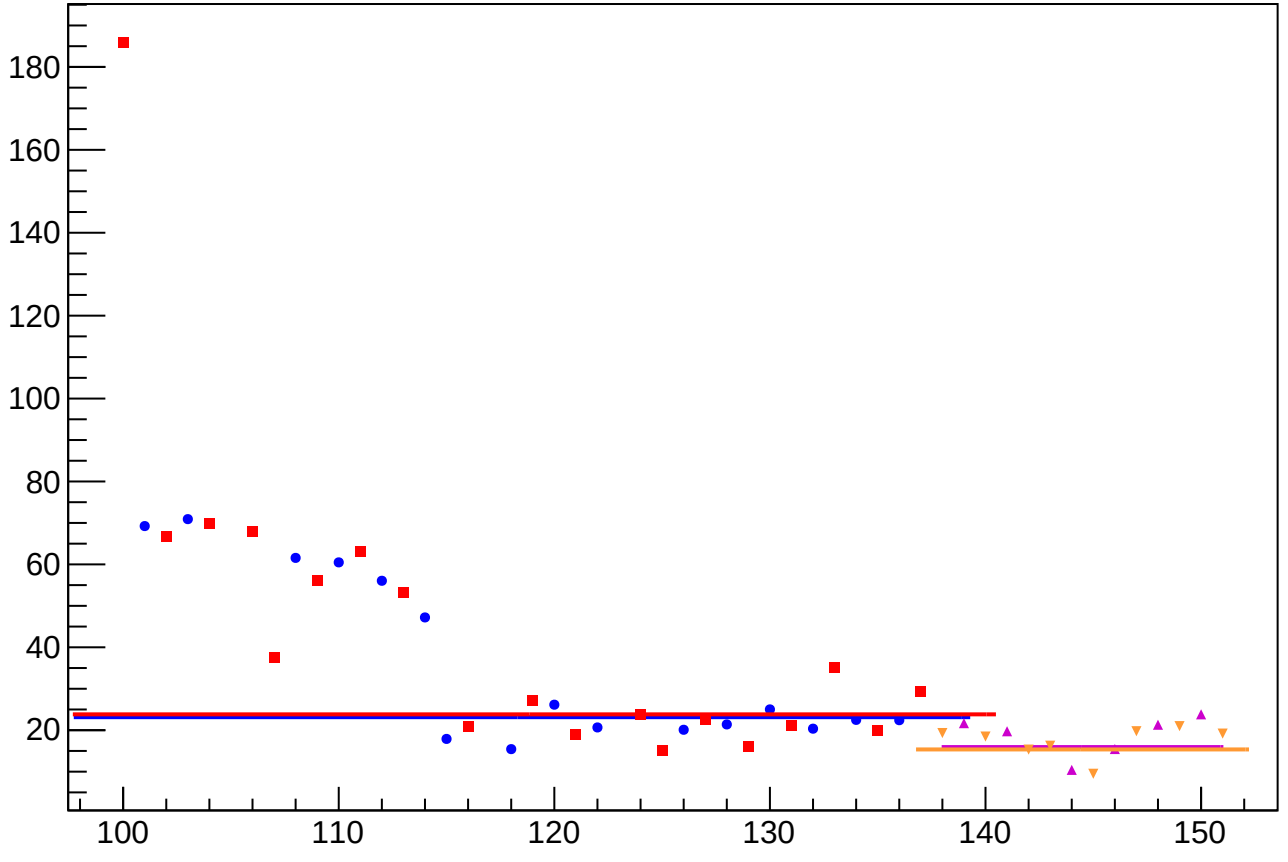
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.006 χ^2/NDF:25.4/21

Out: 0.000+/-0.006 χ^2/NDF:25.8/26

All: 0.002+/-0.004 χ^2/NDF: 51.4/48

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.361+/-0.005 χ^2/NDF:915142.1/7

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 15.931+/-0.005 χ^2/NDF:918054.0/5

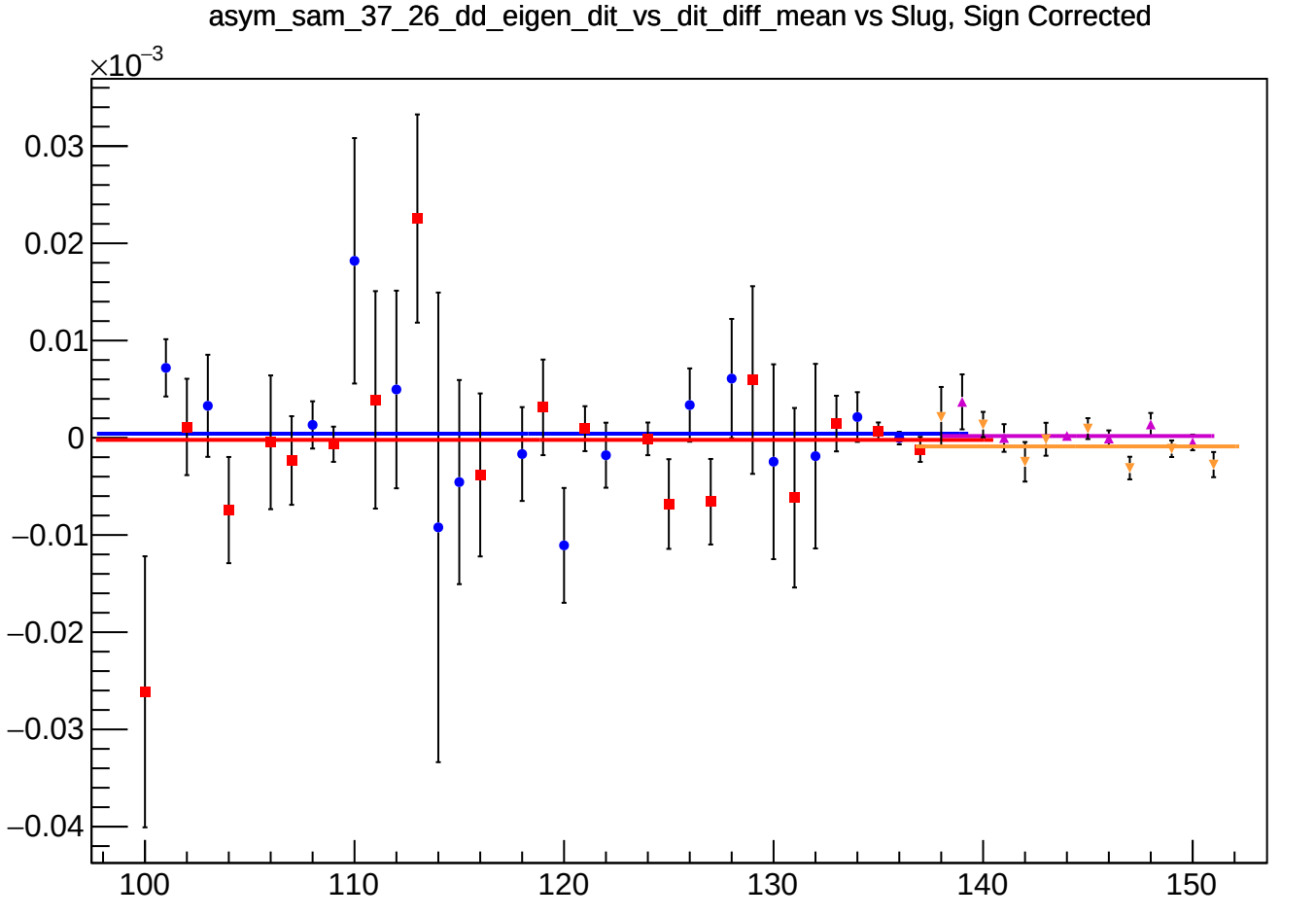
Left: 15.604+/-0.004 χ^2/NDF: 1839598.4/13

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.637+/-0.004 χ^2/NDF:3995440.6/21

Out: 17.891+/-0.004 χ^2/NDF:4805110.1/26

All: 18.230+/-0.003 χ^2/NDF: 8817232.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/5

Left: -0.000+/-0.000 χ^2/NDF: 21.3/13

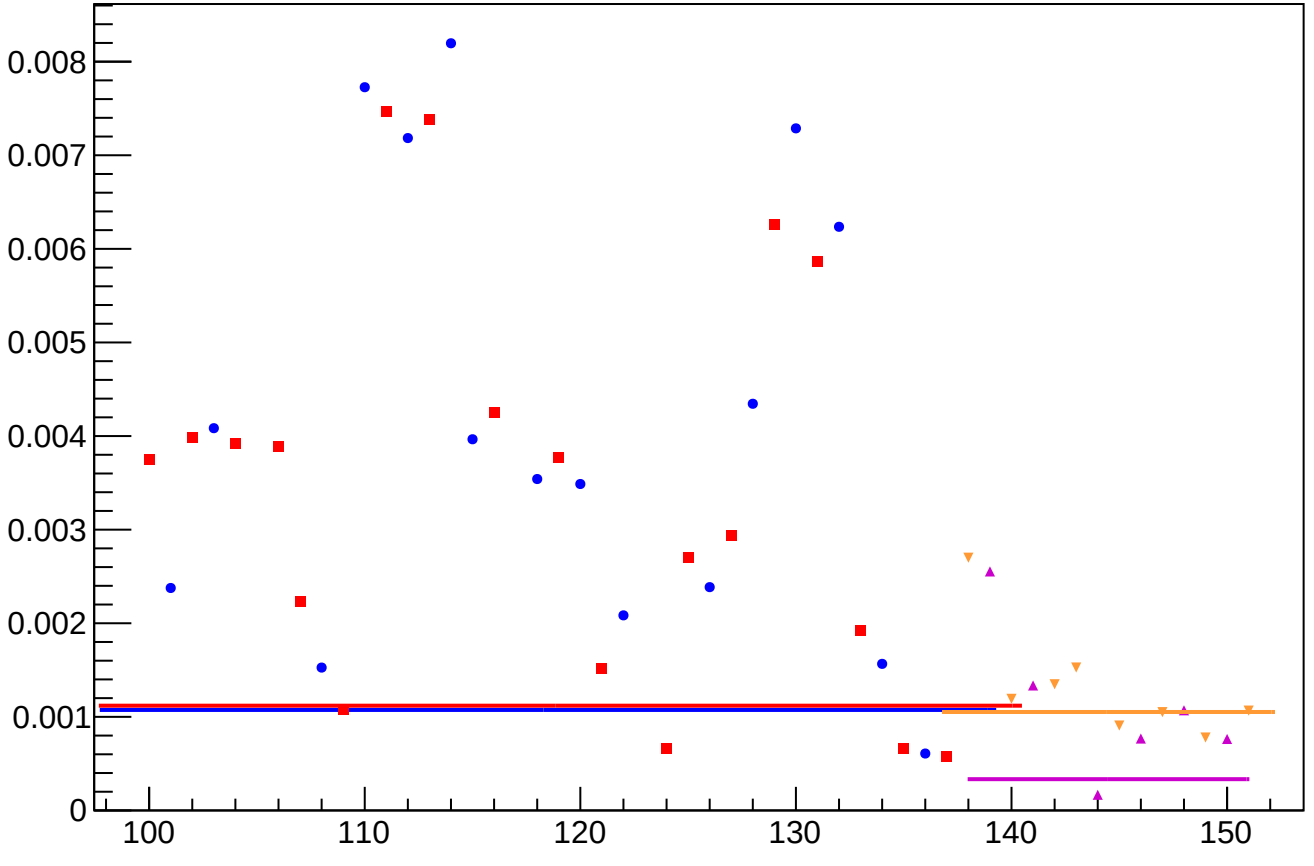
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:18.8/21

Out: -0.000+/-0.000 χ^2/NDF:32.2/26

All: -0.000+/-0.000 χ^2/NDF: 55.2/48

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:1033668.6/7

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4973326.6/5

Left: 0.000+/-0.000 χ^2/NDF: 10030986.4/13

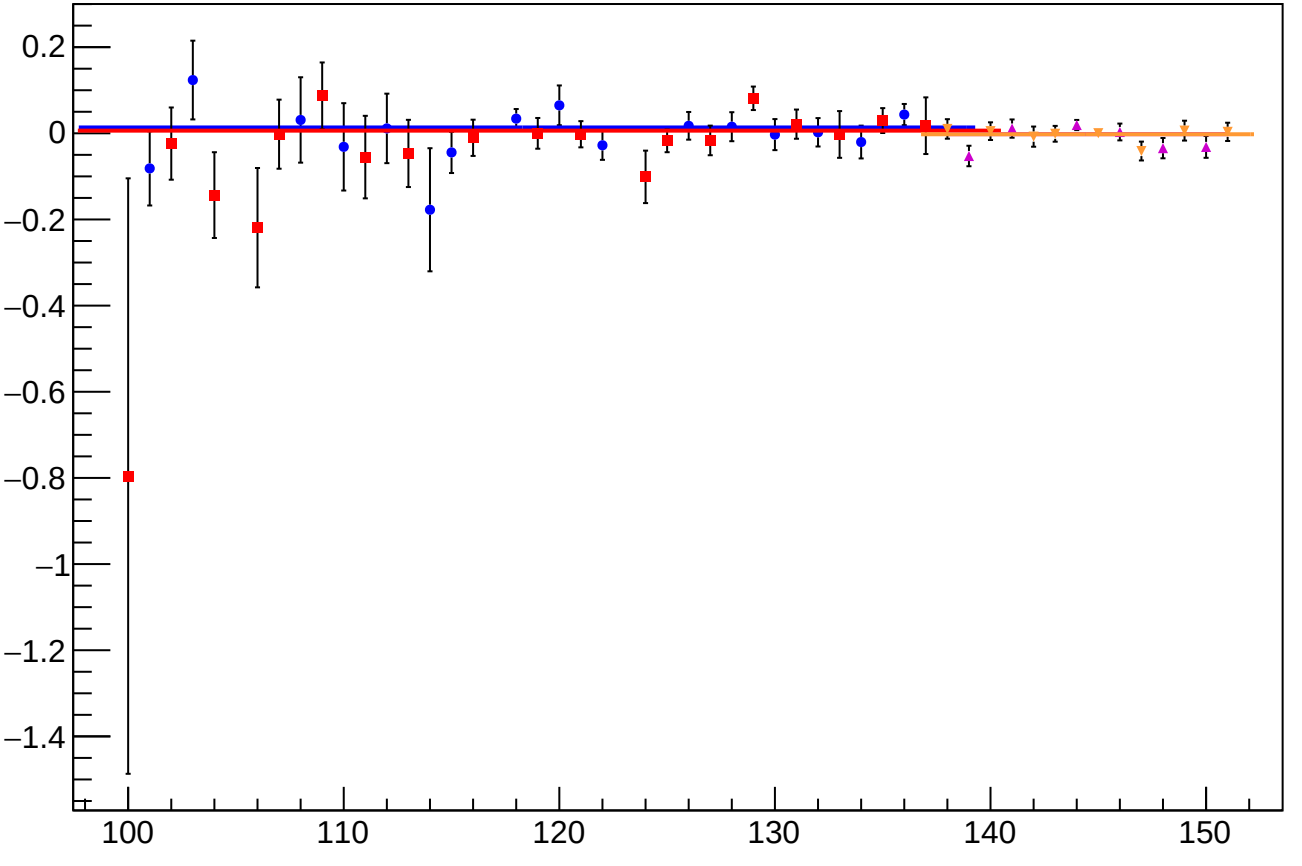
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:15011429.9/21

Out: 0.001+/-0.000 χ^2/NDF:7847152.0/26

All: 0.001+/-0.000 χ^2/NDF: 27731347.2/48

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.008 χ^2/NDF:11.5/5

Left: -0.002+/-0.005 χ^2/NDF: 15.4/13

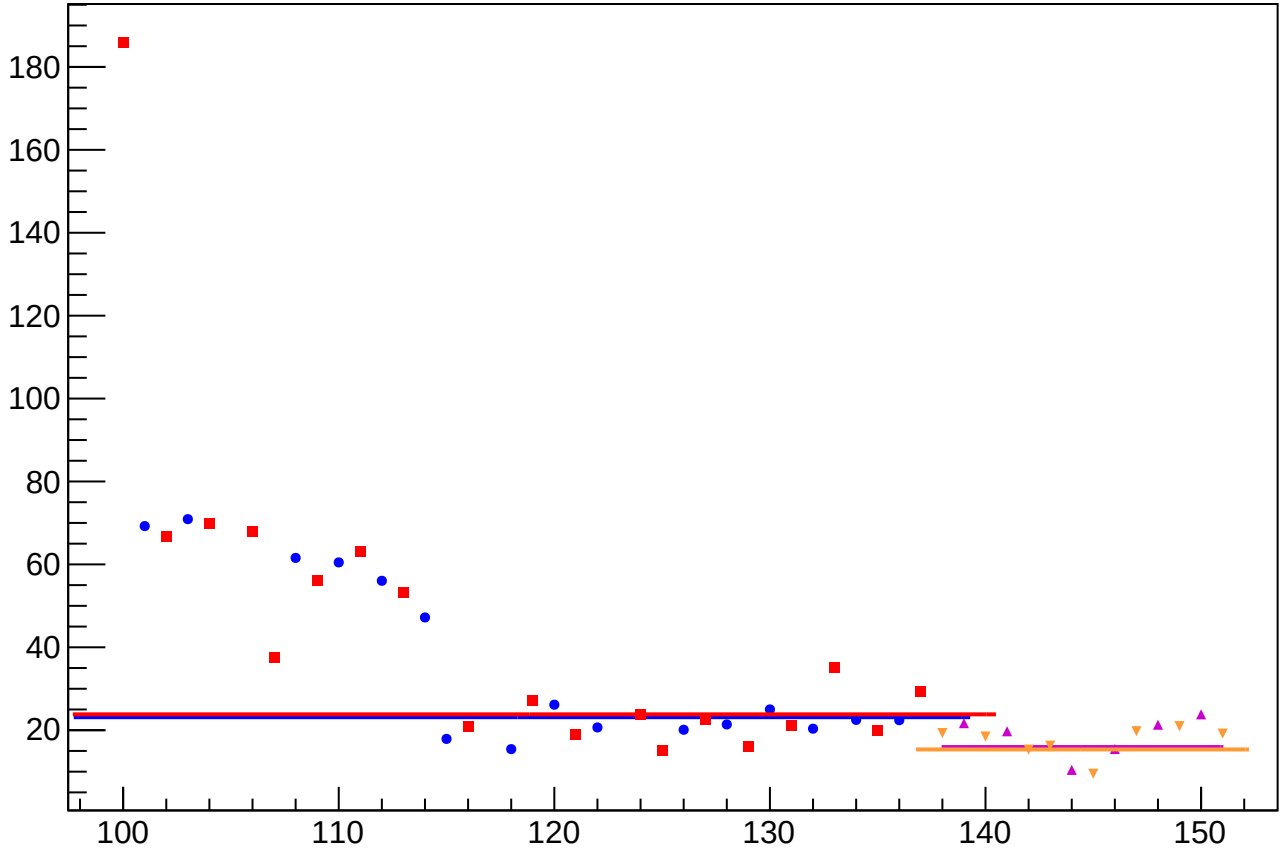
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.006 χ^2/NDF:25.4/21

Out: 0.000+/-0.006 χ^2/NDF:25.8/26

All: 0.002+/-0.004 χ^2/NDF: 51.4/48

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.361+/-0.005 χ^2/NDF:915221.9/7

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.931+/-0.005 χ^2/NDF:918017.0/5

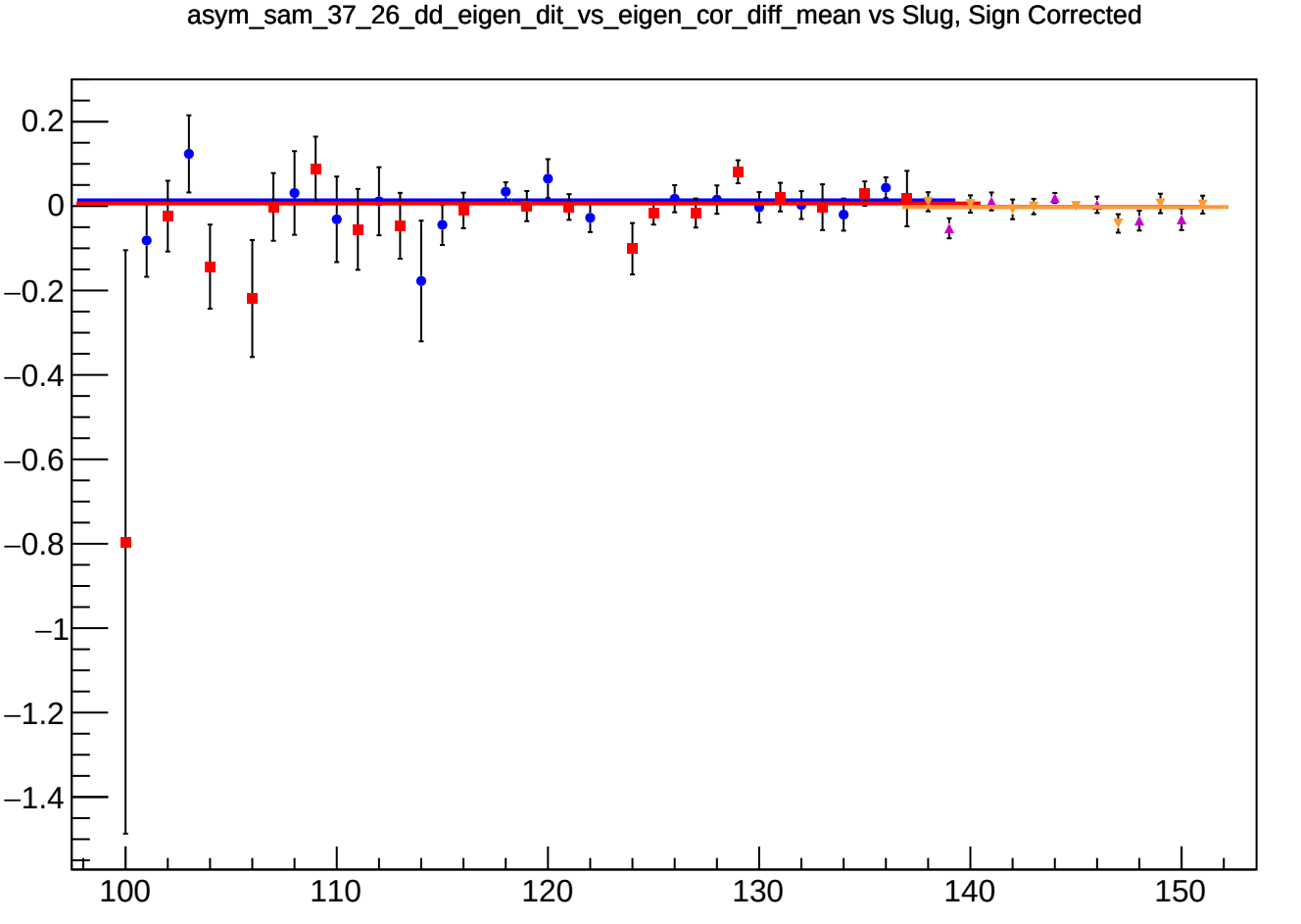
Left: 15.604+/-0.004 χ^2/NDF: 1839642.7/13

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.636+/-0.004 χ^2/NDF:3995202.6/21

Out: 17.891+/-0.004 χ^2/NDF:4805015.4/26

All: 18.230+/-0.003 χ^2/NDF: 8816891.7/48



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: -0.002+/-0.008 χ^2/NDF:11.5/5

Left: -0.002+/-0.005 χ^2/NDF: 15.4/13

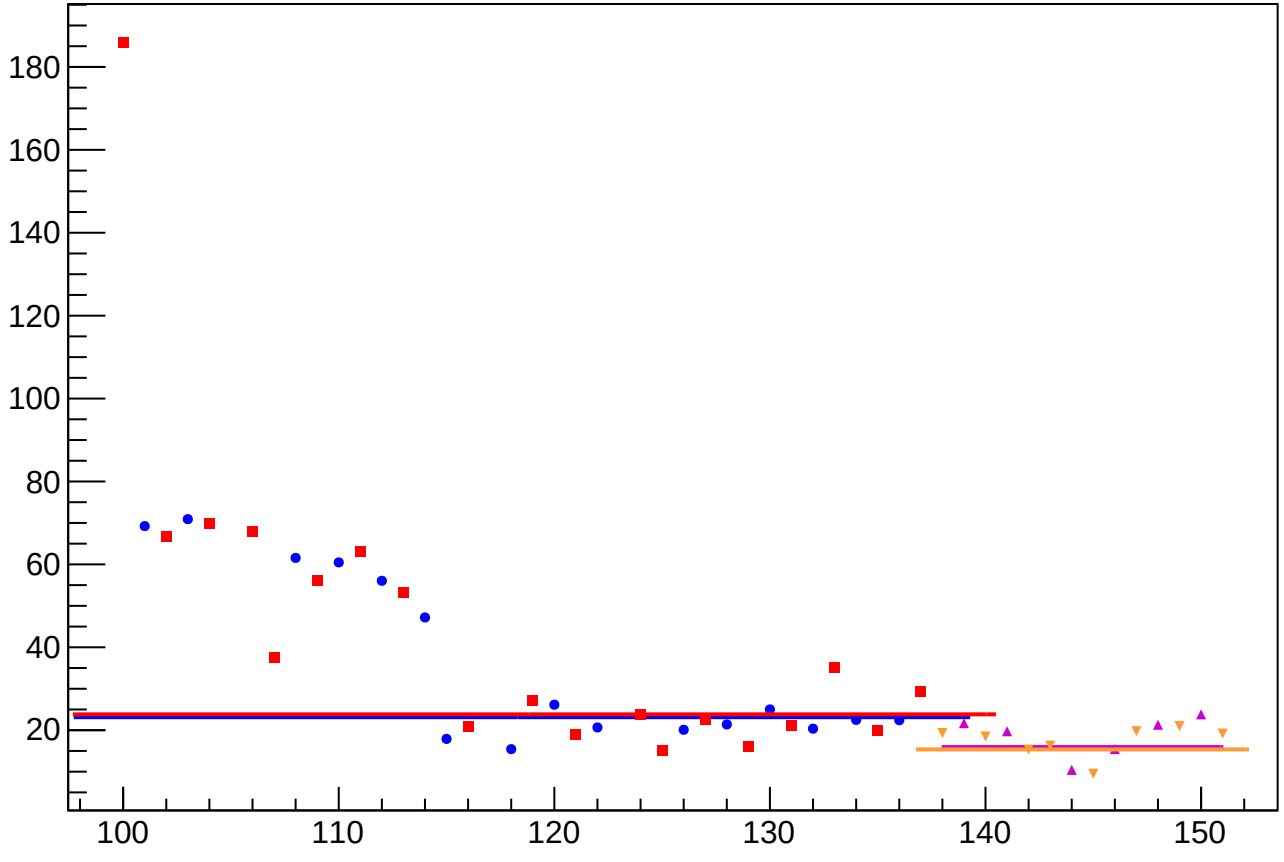
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.006 χ^2/NDF:25.4/21

Out: 0.000+/-0.006 χ^2/NDF:25.8/26

All: 0.002+/-0.004 χ^2/NDF: 51.4/48

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.361+/-0.005 χ^2/NDF:915221.9/7

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 15.931+/-0.005 χ^2/NDF:918017.0/5

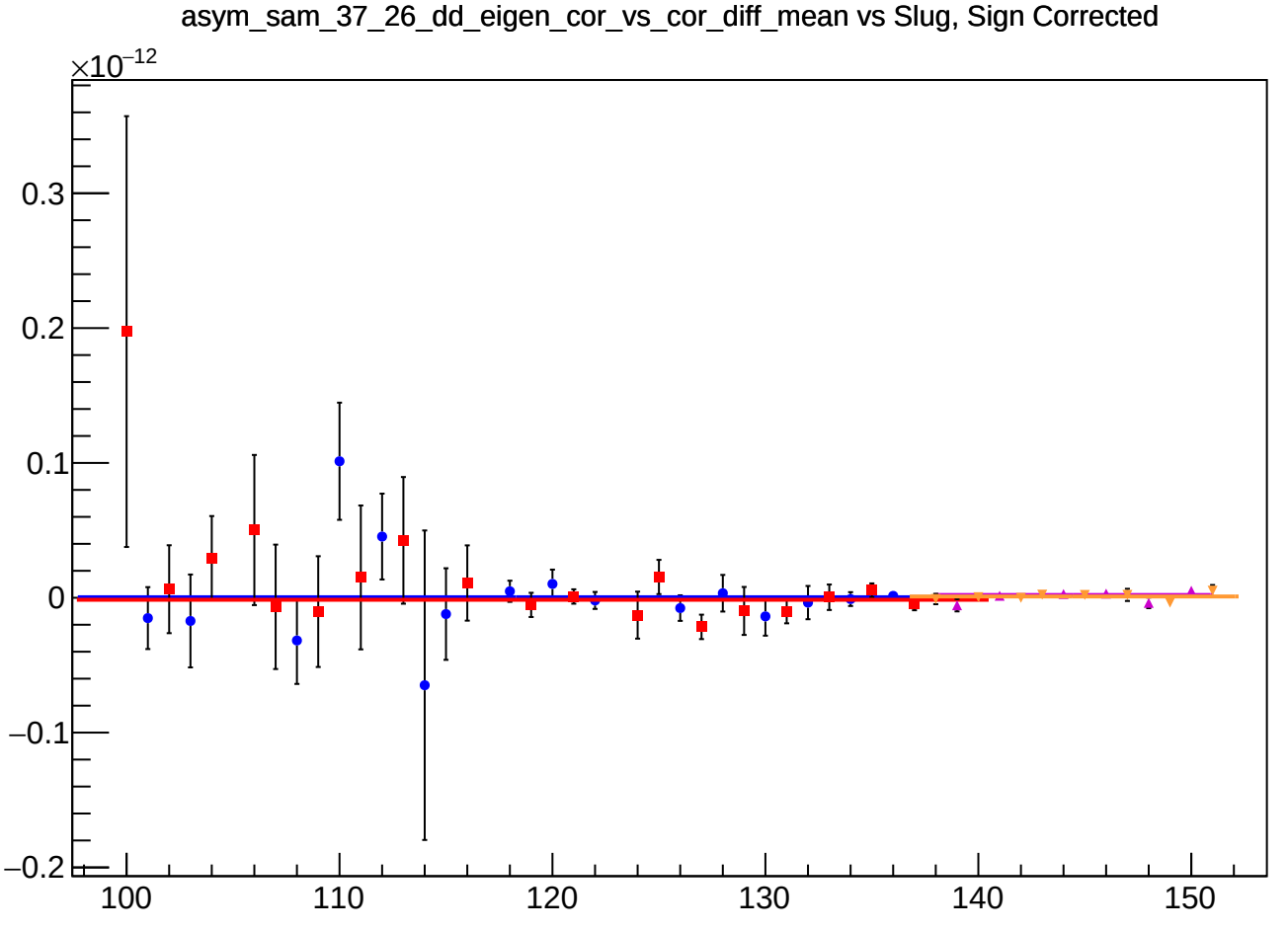
Left: 15.604+/-0.004 χ^2/NDF: 1839642.7/13

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.636+/-0.004 χ^2/NDF:3995202.6/21

Out: 17.891+/-0.004 χ^2/NDF:4805015.4/26

All: 18.230+/-0.003 χ^2/NDF: 8816891.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/5

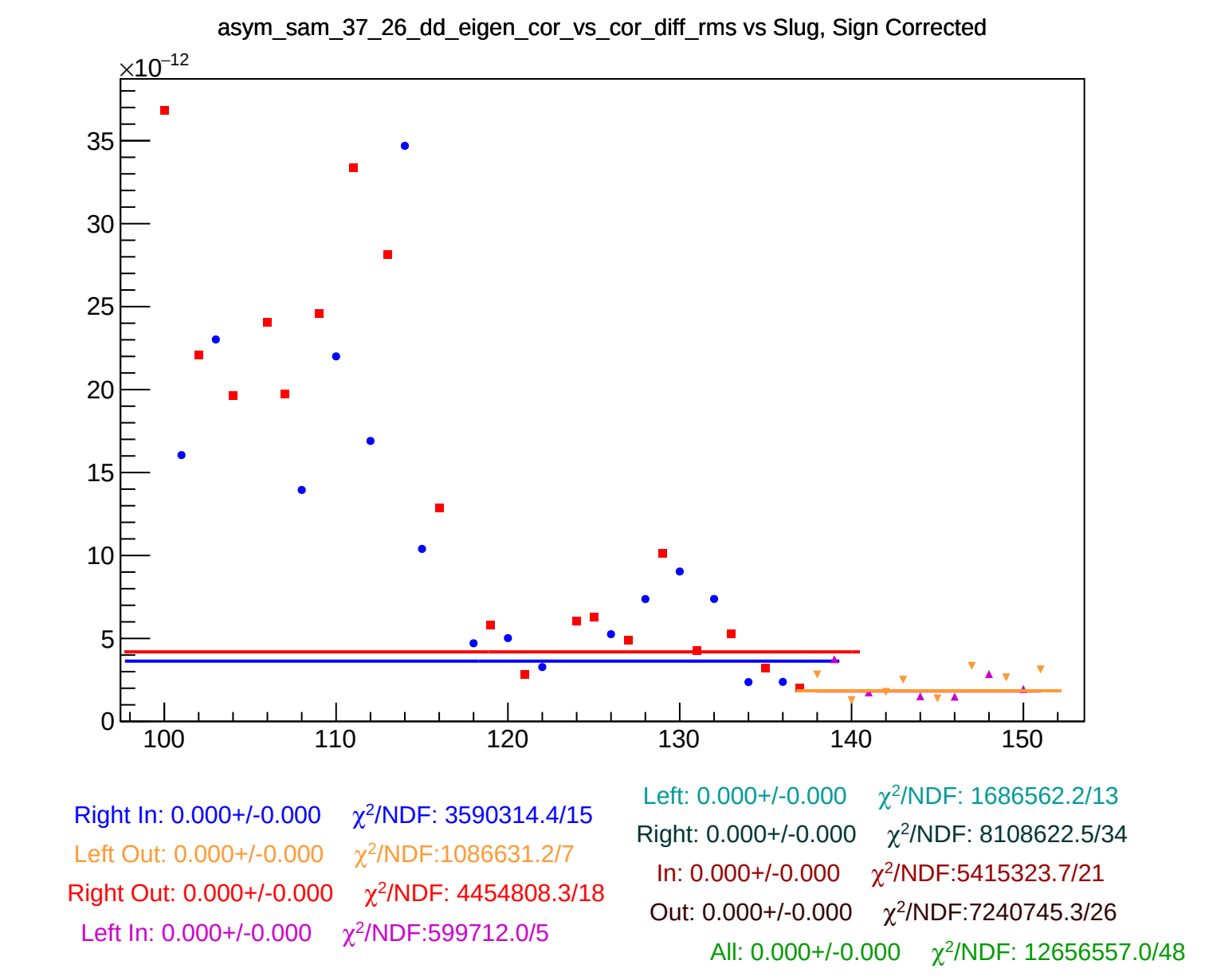
Left: 0.000+/-0.000 χ^2/NDF: 11.3/13

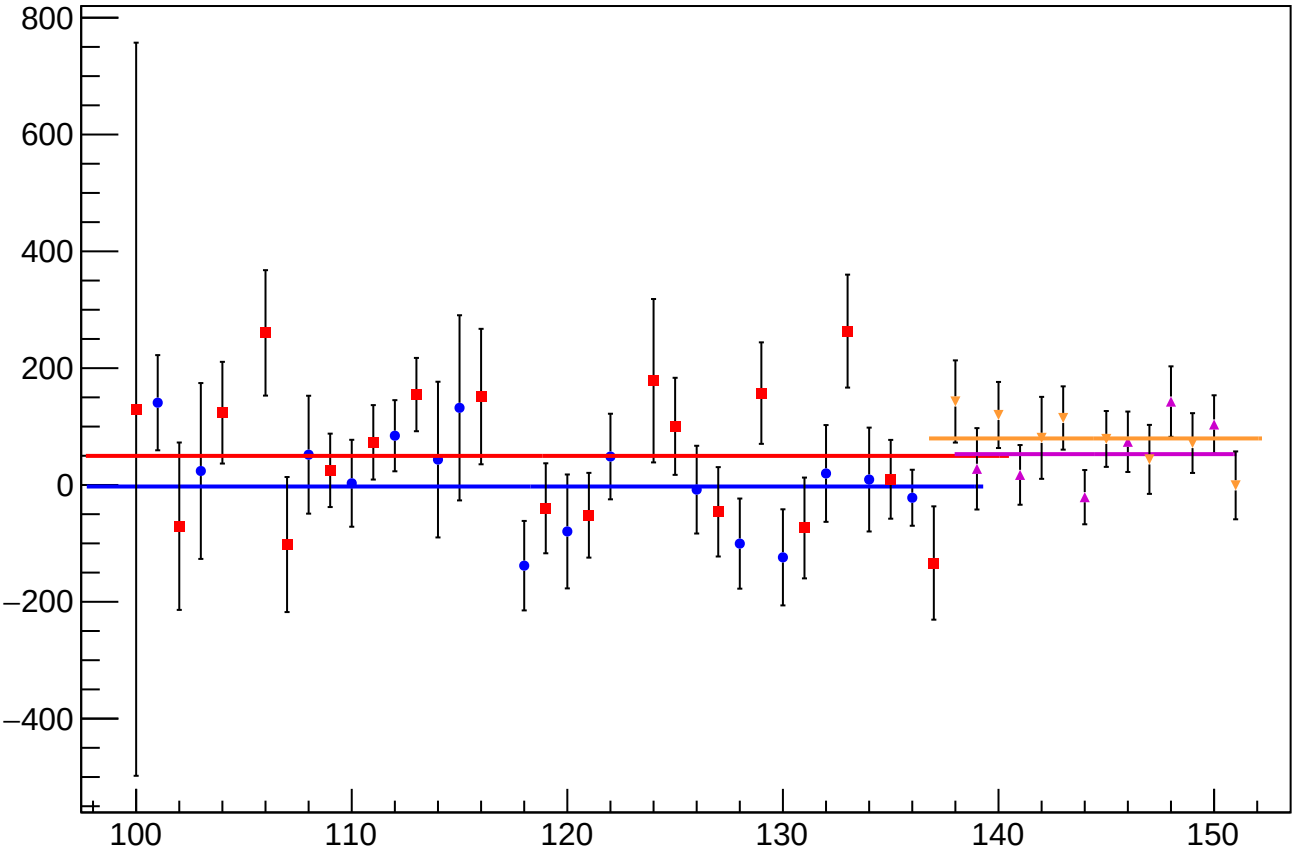
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:20.2/21

Out: 0.000+/-0.000 χ^2/NDF:20.4/26

All: 0.000+/-0.000 χ^2/NDF: 41.3/48


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1086631.2/7
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:599712.0/5
Left: 0.000+/-0.000 χ²/NDF: 1686562.2/13
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5415323.7/21
Out: 0.000+/-0.000 χ²/NDF:7240745.3/26
All: 0.000+/-0.000 χ²/NDF: 12656557.0/48



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 79.677+/-20.162 χ^2/NDF:4.0/7

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 52.807+/-21.816 χ^2/NDF:6.6/5

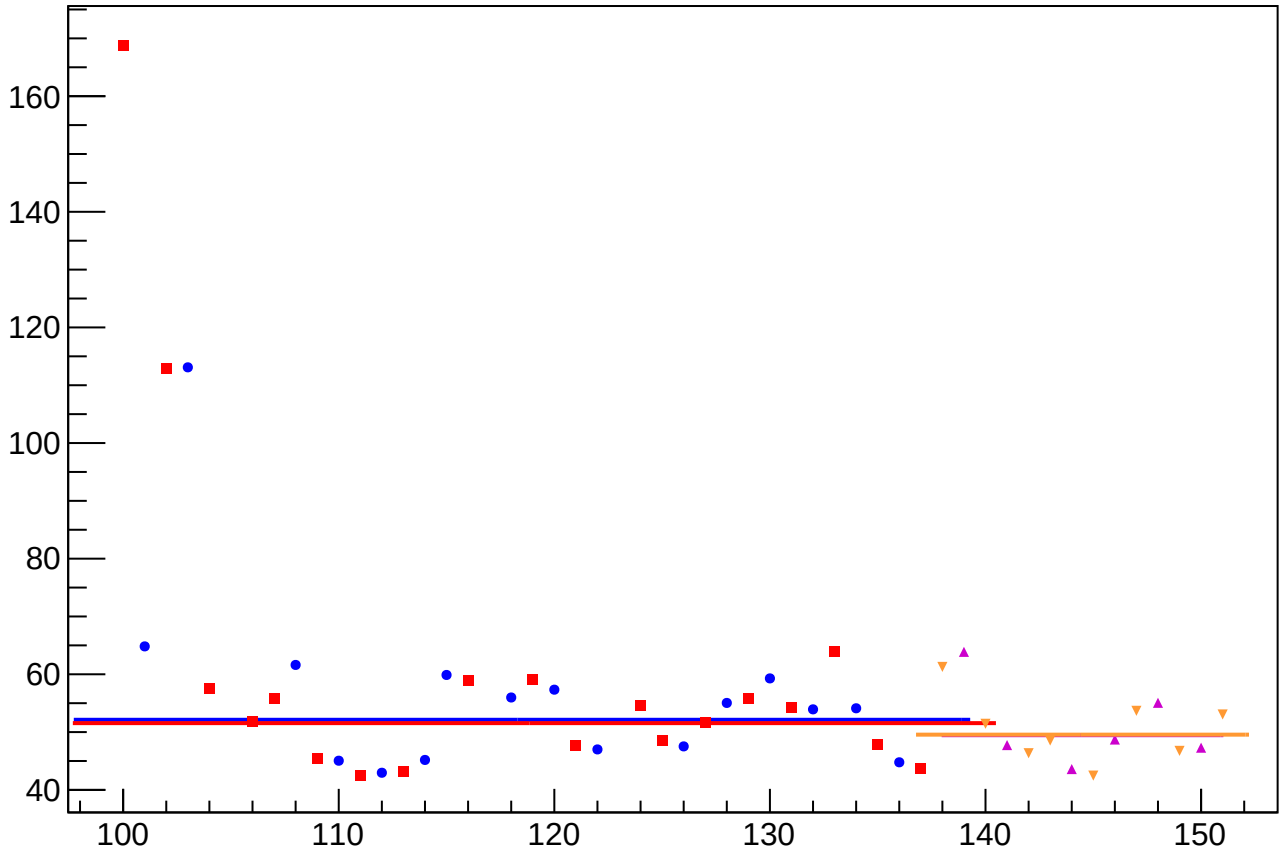
Left: 67.299+/-14.807 χ^2/NDF: 11.4/13

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 22.686+/-14.740 χ^2/NDF:24.6/21

Out: 64.337+/-14.062 χ^2/NDF:34.5/26

All: 44.493+/-10.175 χ^2/NDF: 63.3/48



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.557+/-0.014 χ^2/NDF:129417.0/7

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.461+/-0.015 χ^2/NDF:141164.2/5

Left: 49.513+/-0.010 χ^2/NDF: 270602.2/13

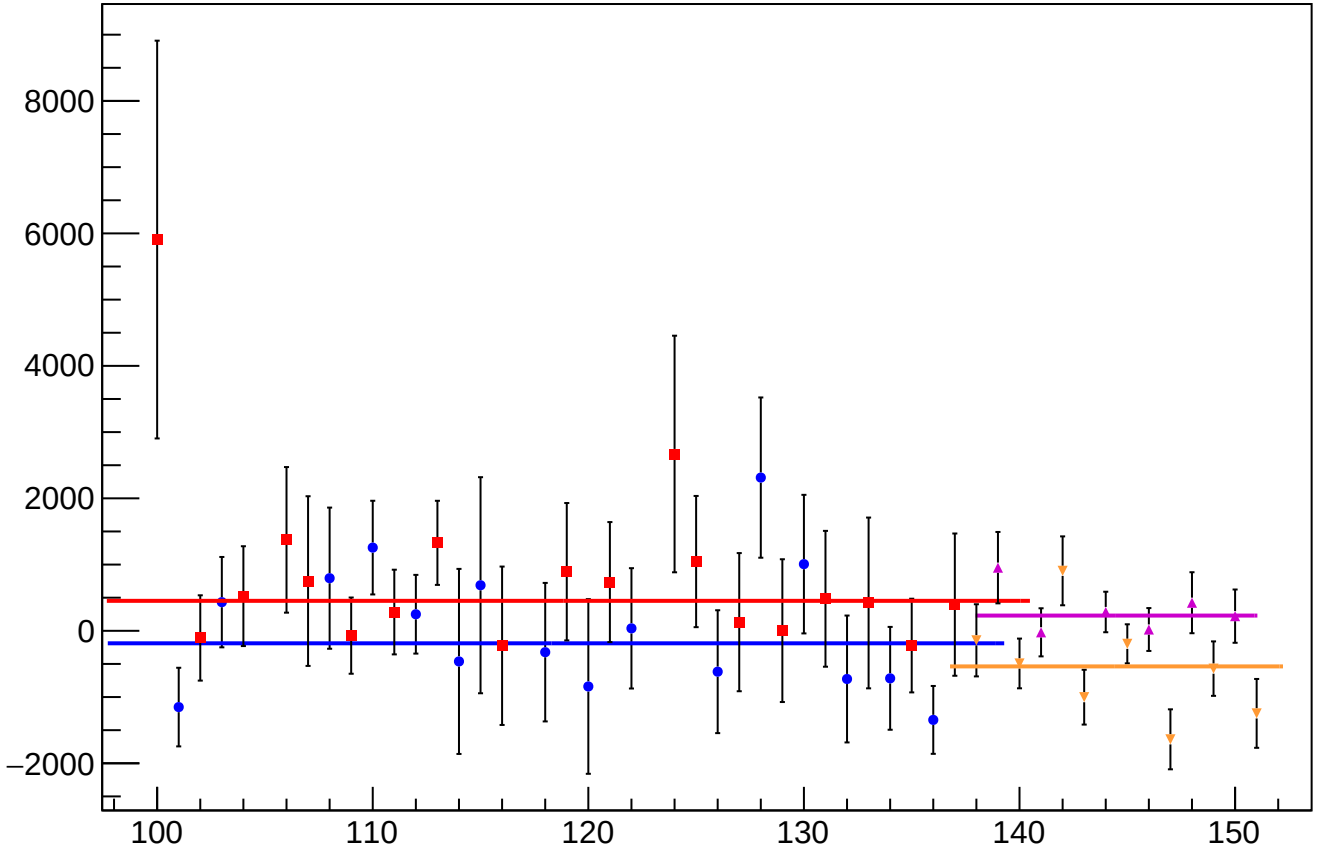
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.911+/-0.010 χ^2/NDF:720332.6/21

Out: 50.581+/-0.010 χ^2/NDF:779016.9/26

All: 50.738+/-0.007 χ^2/NDF: 1499874.9/48

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: -537.391+/-147.435 χ^2/NDF:18.6/7

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 230.176+/-153.999 χ^2/NDF:2.9/5

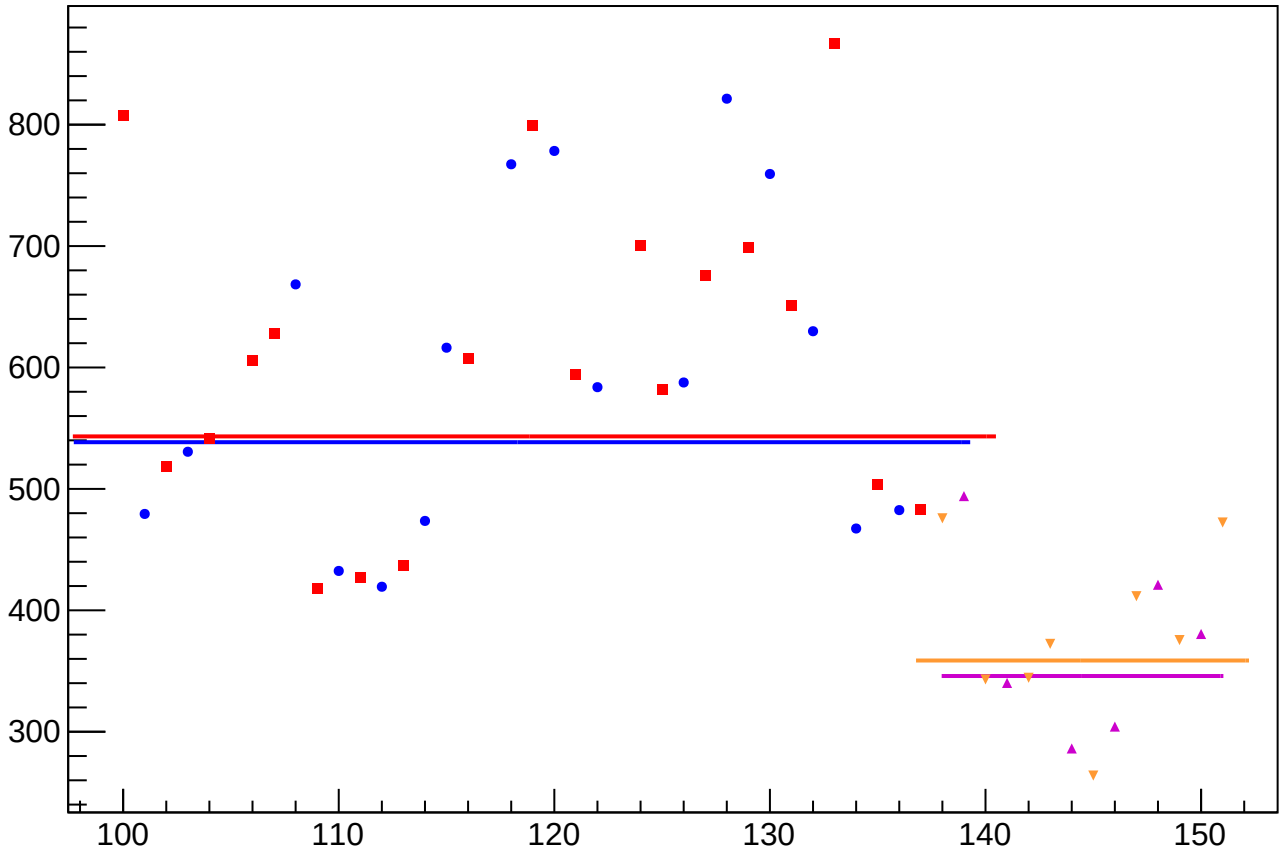
Left: -170.315+/-106.497 χ^2/NDF: 34.5/13

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 79.879+/-123.303 χ^2/NDF:26.9/21

Out: -197.557+/-119.478 χ^2/NDF:45.4/26

All: -63.209+/-85.804 χ^2/NDF: 74.9/48



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 358.666+/-0.104 χ^2/NDF:432516.1/7

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 345.896+/-0.109 χ^2/NDF:329011.7/5

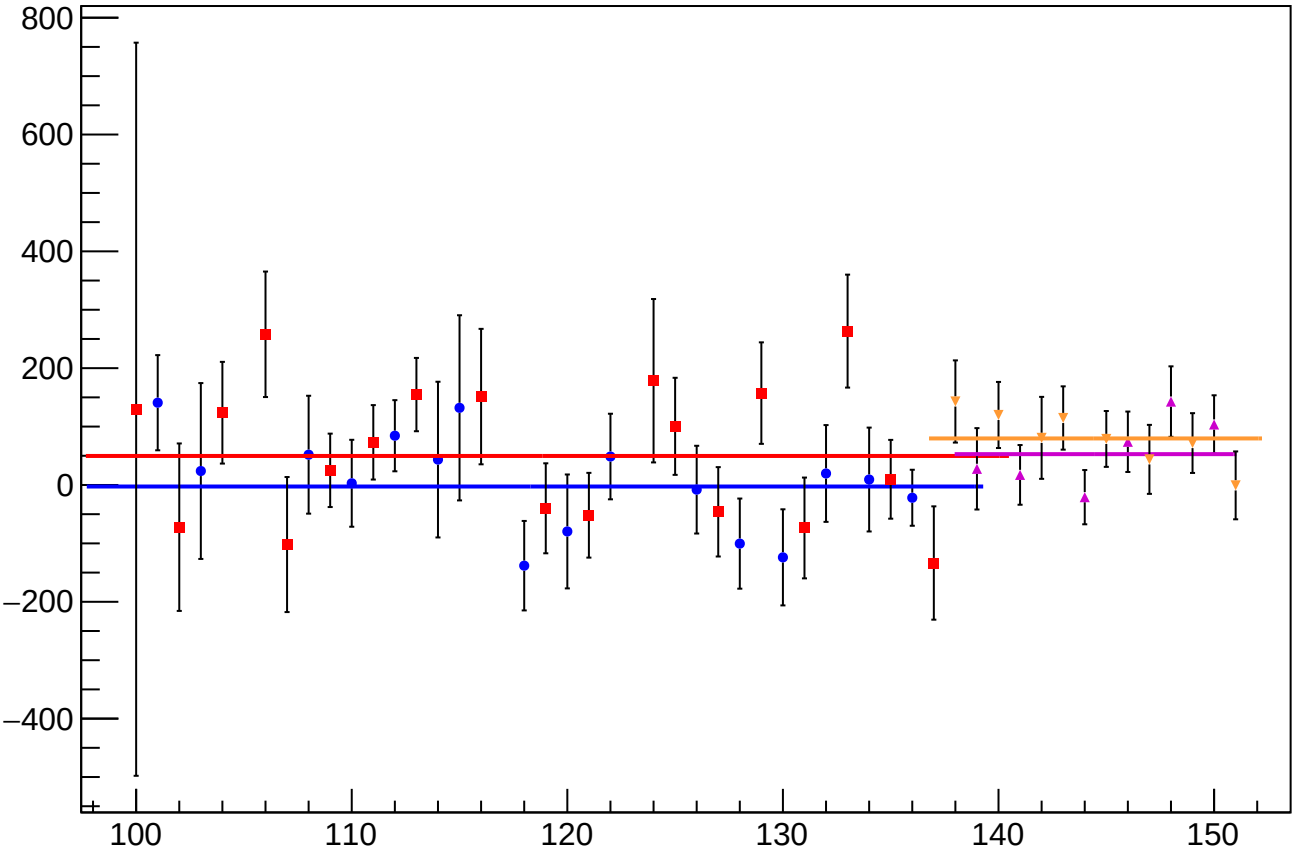
Left: 352.559+/-0.075 χ^2/NDF: 768703.0/13

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 415.016+/-0.087 χ^2/NDF:2065496.8/21

Out: 422.029+/-0.084 χ^2/NDF:2145700.9/26

All: 418.633+/-0.061 χ^2/NDF: 4214535.2/48



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 79.681+/-20.162 χ^2/NDF:4.0/7

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 52.807+/-21.816 χ^2/NDF:6.6/5

Left: 67.301+/-14.807 χ^2/NDF: 11.4/13

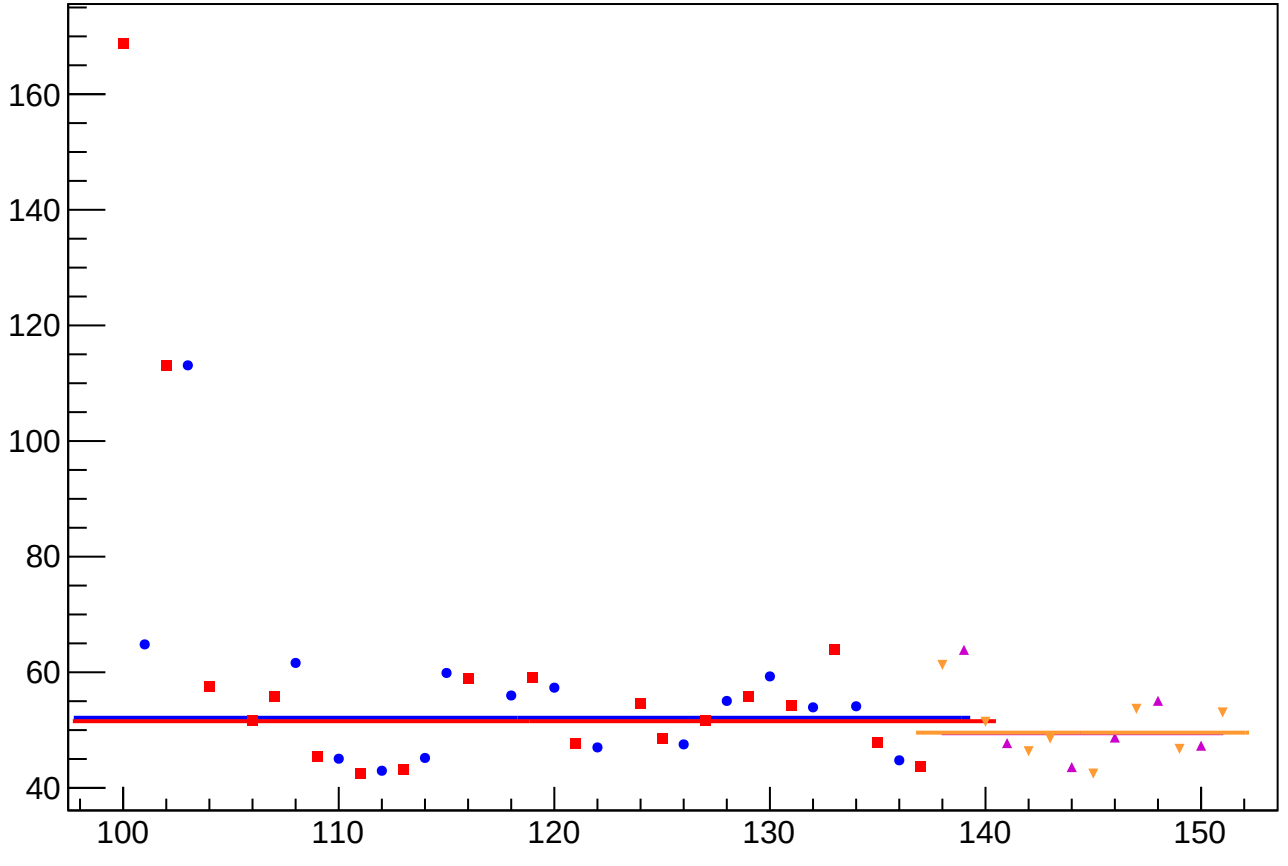
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 22.684+/-14.740 χ^2/NDF:24.7/21

Out: 64.280+/-14.062 χ^2/NDF:34.4/26

All: 44.461+/-10.175 χ^2/NDF: 63.3/48

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.557+/-0.014 χ^2/NDF:129417.0/7

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.461+/-0.015 χ^2/NDF:141164.2/5

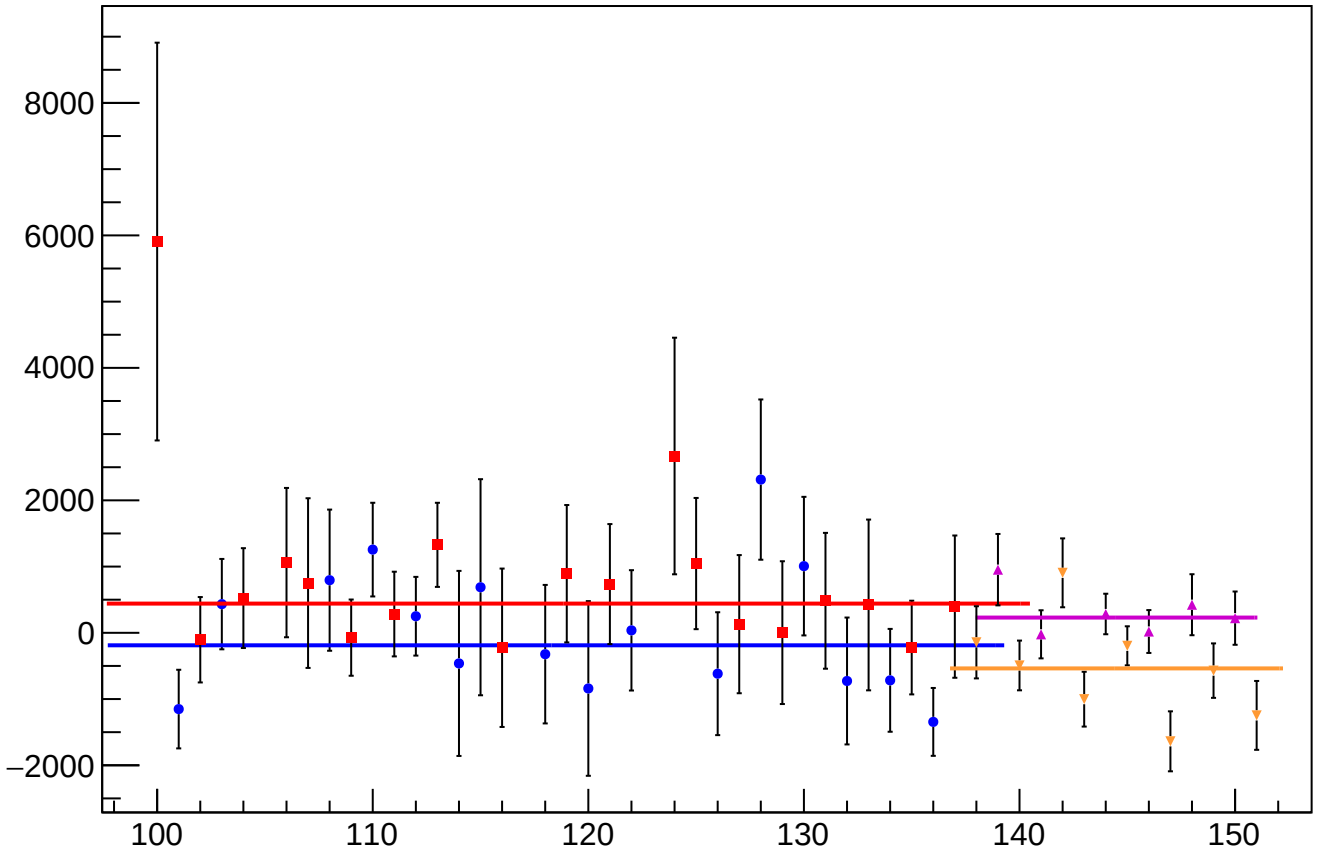
Left: 49.513+/-0.010 χ^2/NDF: 270602.2/13

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.911+/-0.010 χ^2/NDF:720334.9/21

Out: 50.575+/-0.010 χ^2/NDF:779132.9/26

All: 50.735+/-0.007 χ^2/NDF: 1500010.2/48



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -537.386+/-147.435 χ^2/NDF:18.6/7

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 230.180+/-153.999 χ^2/NDF:2.9/5

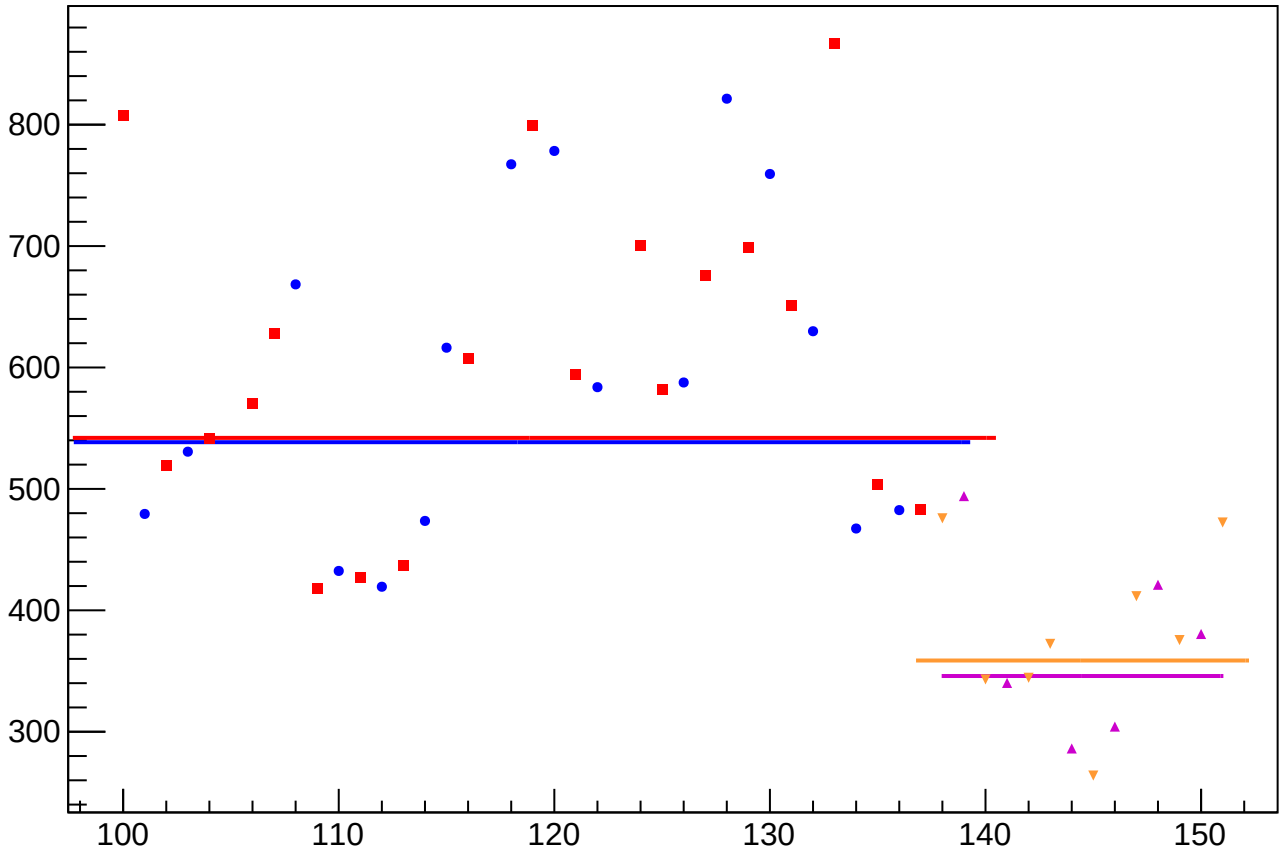
Left: -170.311+/-106.497 χ^2/NDF: 34.5/13

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 79.891+/-123.303 χ^2/NDF:26.9/21

Out: -201.874+/-119.516 χ^2/NDF:44.6/26

All: -65.384+/-85.818 χ^2/NDF: 74.2/48



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 358.666+/-0.104 χ^2/NDF:432518.9/7

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 345.896+/-0.109 χ^2/NDF:329011.0/5

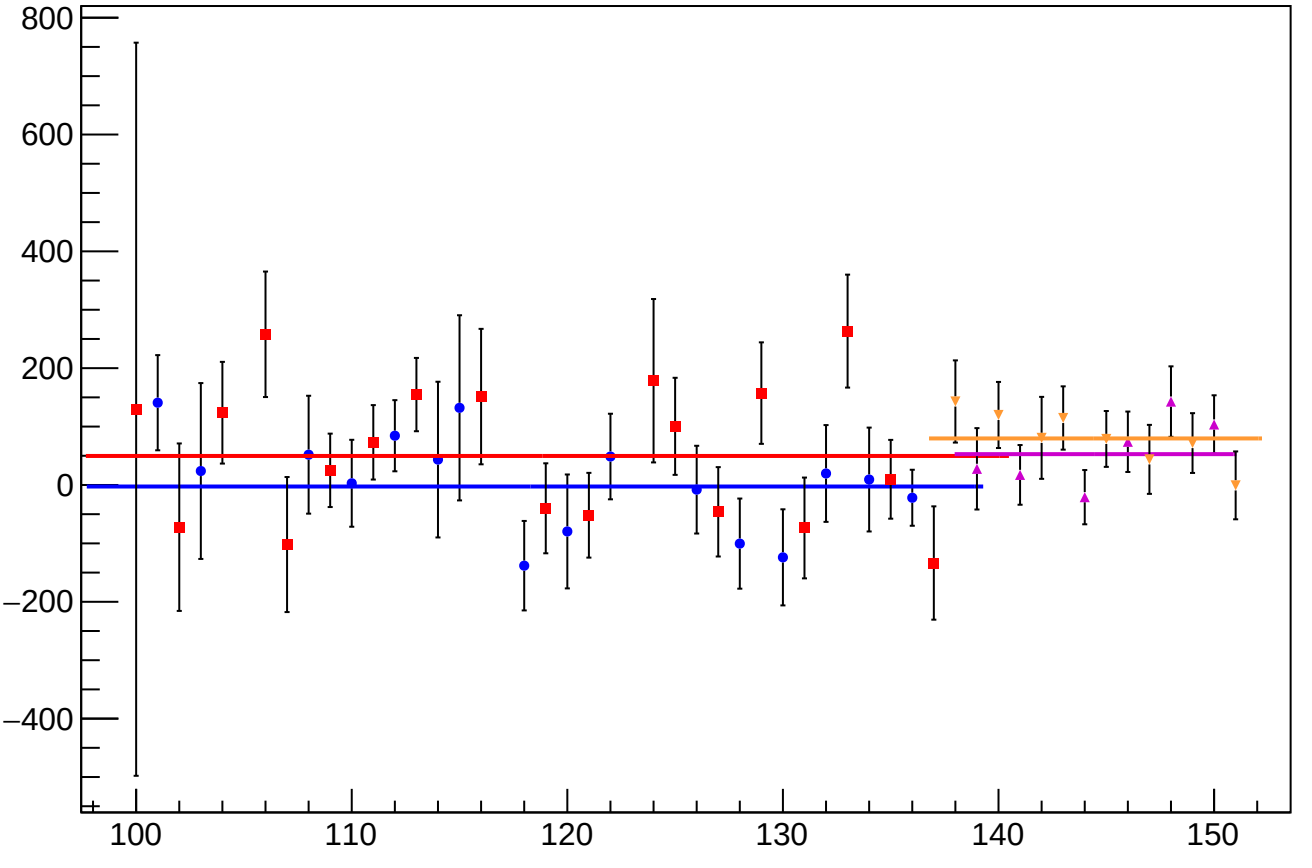
Left: 352.559+/-0.075 χ^2/NDF: 768705.0/13

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 415.017+/-0.087 χ^2/NDF:2065539.7/21

Out: 421.533+/-0.085 χ^2/NDF:2124694.6/26

All: 418.377+/-0.061 χ^2/NDF: 4193114.7/48



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 79.681+/-20.162 χ^2/NDF:4.0/7

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 52.807+/-21.816 χ^2/NDF:6.6/5

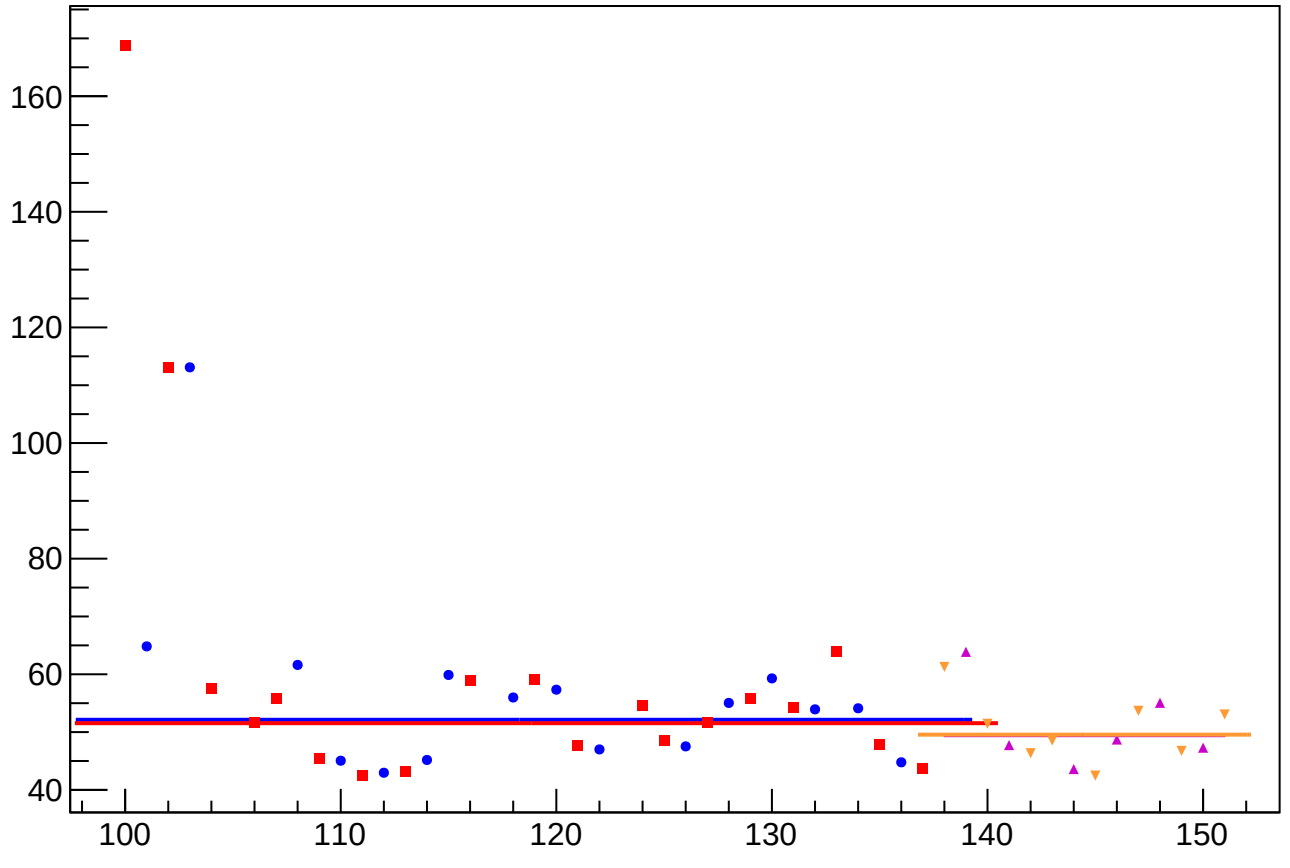
Left: 67.301+/-14.807 χ^2/NDF: 11.4/13

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 22.684+/-14.740 χ^2/NDF:24.7/21

Out: 64.280+/-14.062 χ^2/NDF:34.4/26

All: 44.461+/-10.175 χ^2/NDF: 63.3/48



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.557+/-0.014 χ^2/NDF:129417.0/7

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.461+/-0.015 χ^2/NDF:141164.2/5

Left: 49.513+/-0.010 χ^2/NDF: 270602.2/13

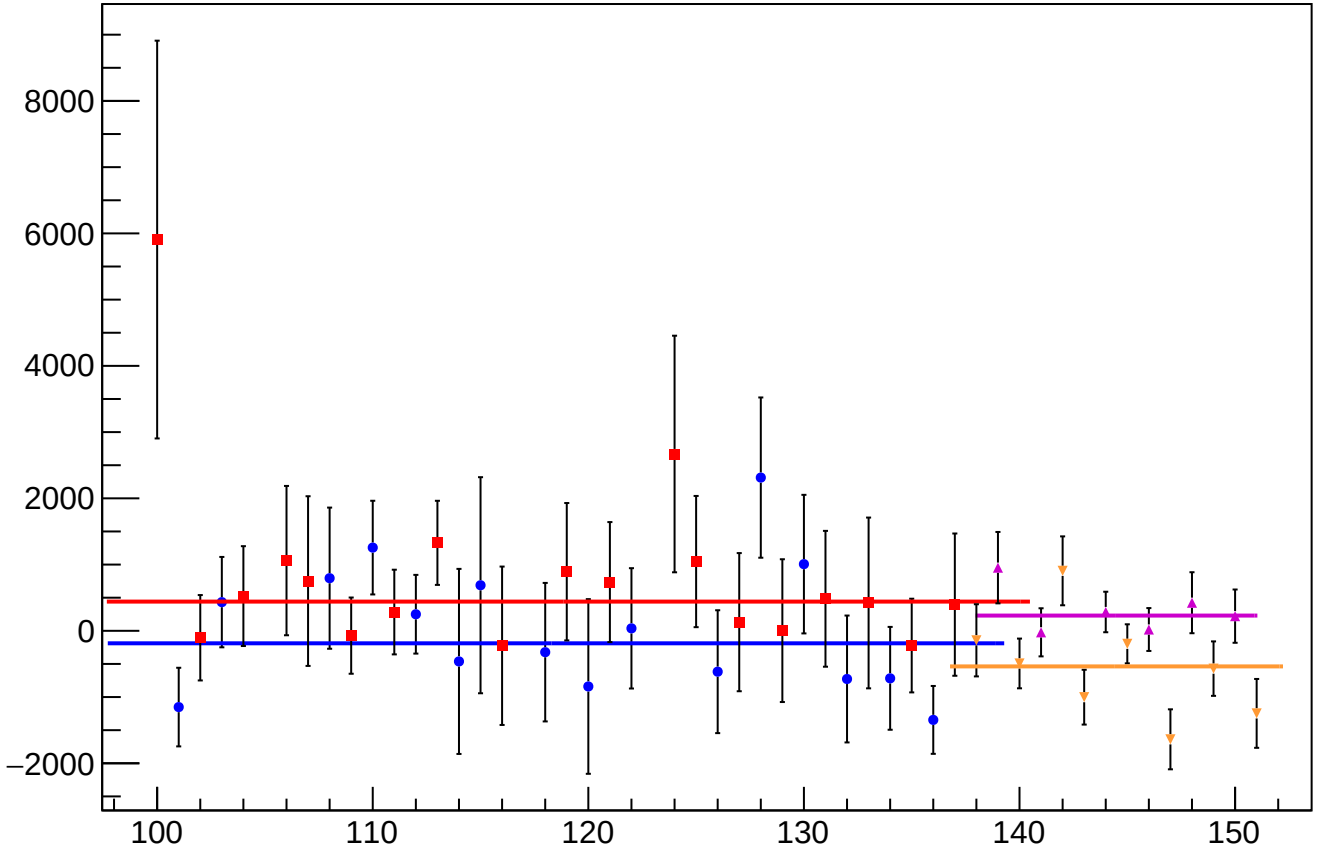
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.911+/-0.010 χ^2/NDF:720334.9/21

Out: 50.575+/-0.010 χ^2/NDF:779132.9/26

All: 50.735+/-0.007 χ^2/NDF: 1500010.2/48

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: -537.386+/-147.435 χ^2/NDF:18.6/7

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 230.180+/-153.999 χ^2/NDF:2.9/5

Left: -170.311+/-106.497 χ^2/NDF: 34.5/13

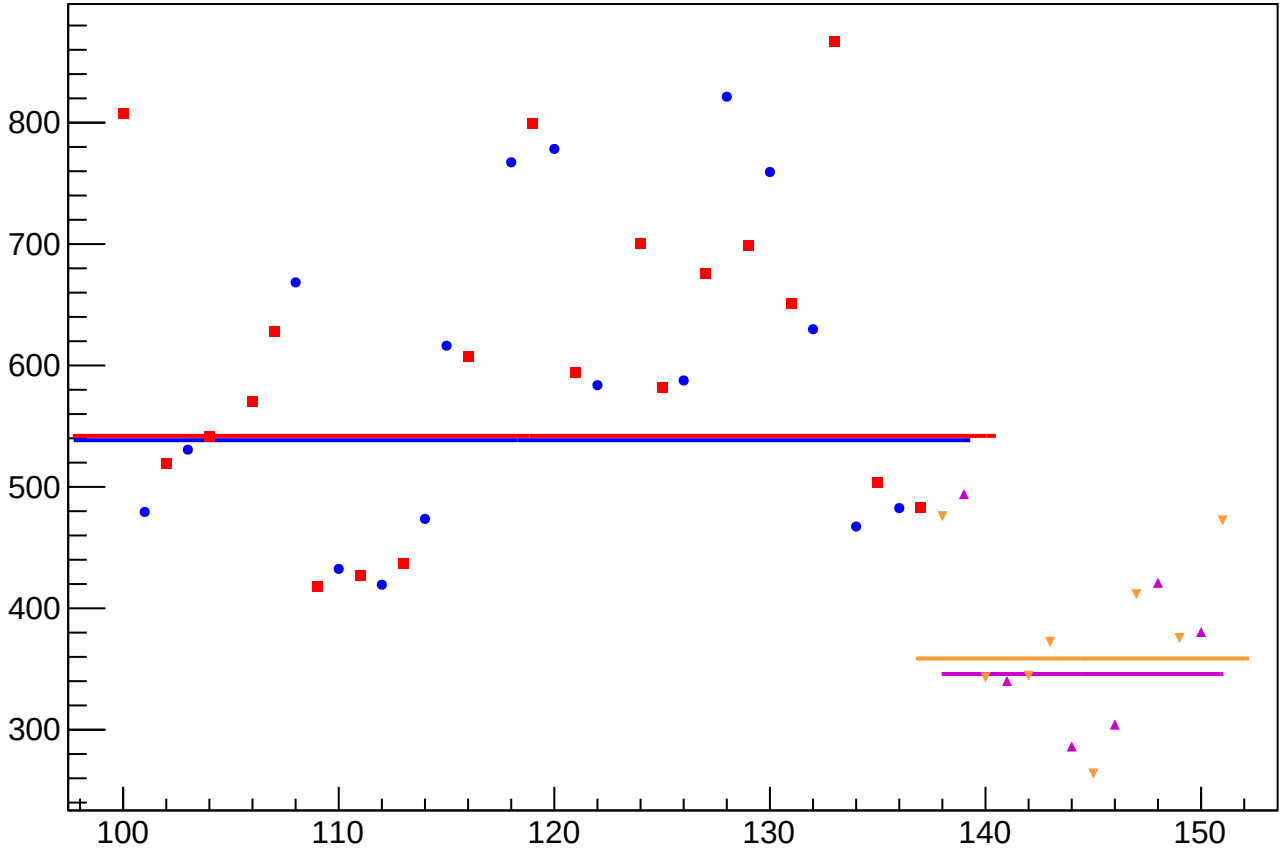
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 79.891+/-123.303 χ^2/NDF:26.9/21

Out: -201.874+/-119.516 χ^2/NDF:44.6/26

All: -65.384+/-85.818 χ^2/NDF: 74.2/48

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 358.666+/-0.104 χ^2/NDF:432518.9/7

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 345.896+/-0.109 χ^2/NDF:329011.0/5

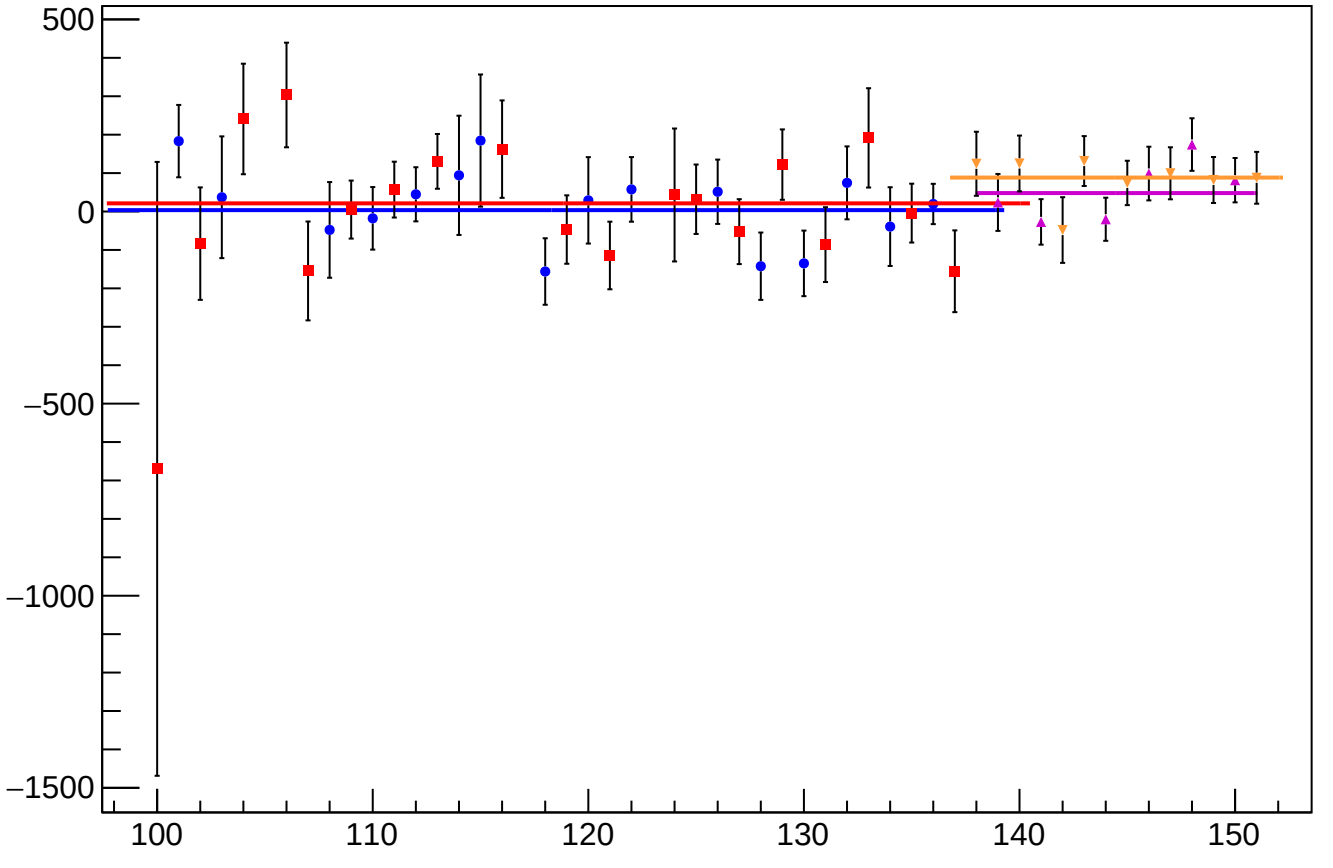
Left: 352.559+/-0.075 χ^2/NDF: 768705.0/13

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 415.017+/-0.087 χ^2/NDF:2065539.7/21

Out: 421.533+/-0.085 χ^2/NDF:2124694.6/26

All: 418.377+/-0.061 χ^2/NDF: 4193114.7/48



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 88.352+/-24.081 χ^2/NDF:3.5/7

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.009+/-25.787 χ^2/NDF:7.5/5

Left: 69.559+/-17.600 χ^2/NDF: 12.3/13

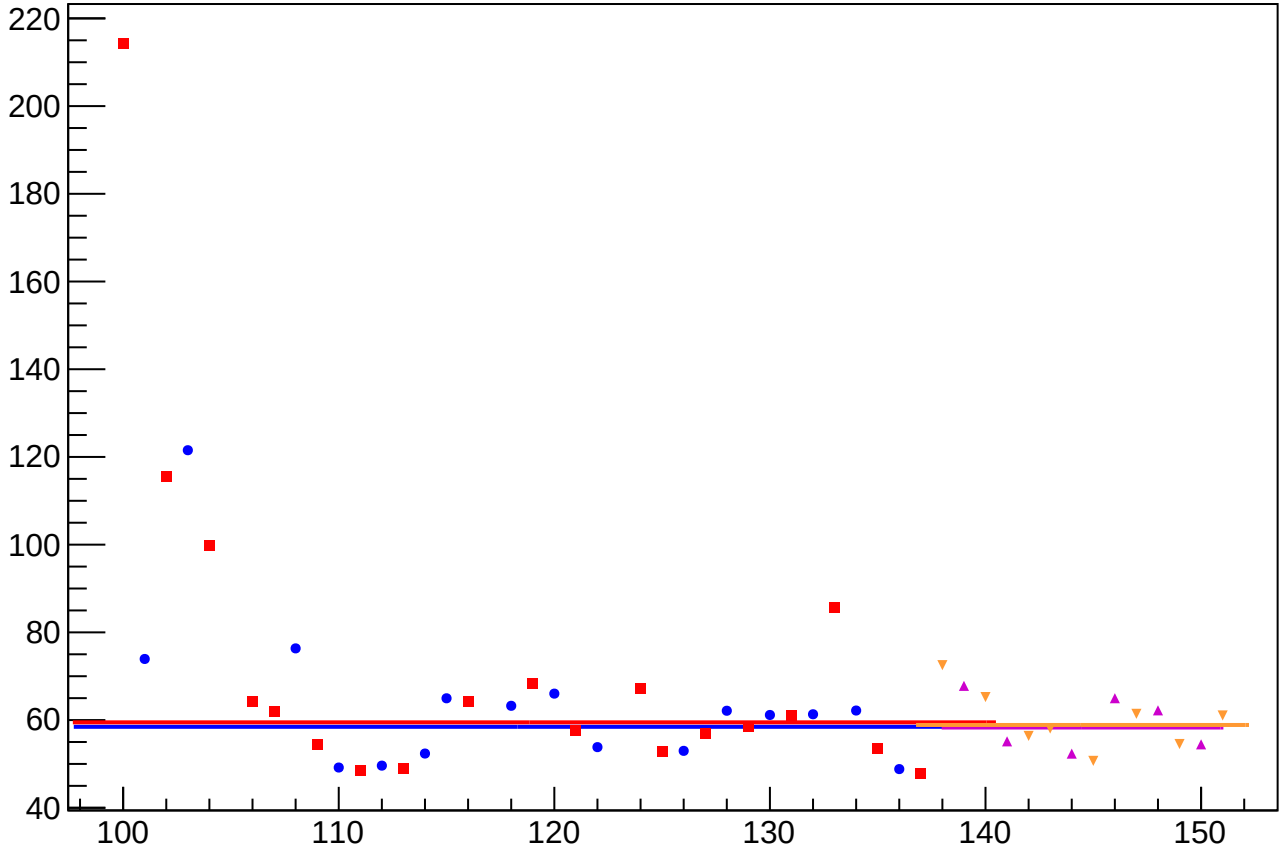
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 22.774+/-16.945 χ^2/NDF:25.3/21

Out: 52.925+/-16.544 χ^2/NDF:32.0/26

All: 38.211+/-11.838 χ^2/NDF: 59.0/48

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 58.883+/-0.017 χ^2/NDF:126473.7/7

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 58.301+/-0.018 χ^2/NDF:94763.6/5

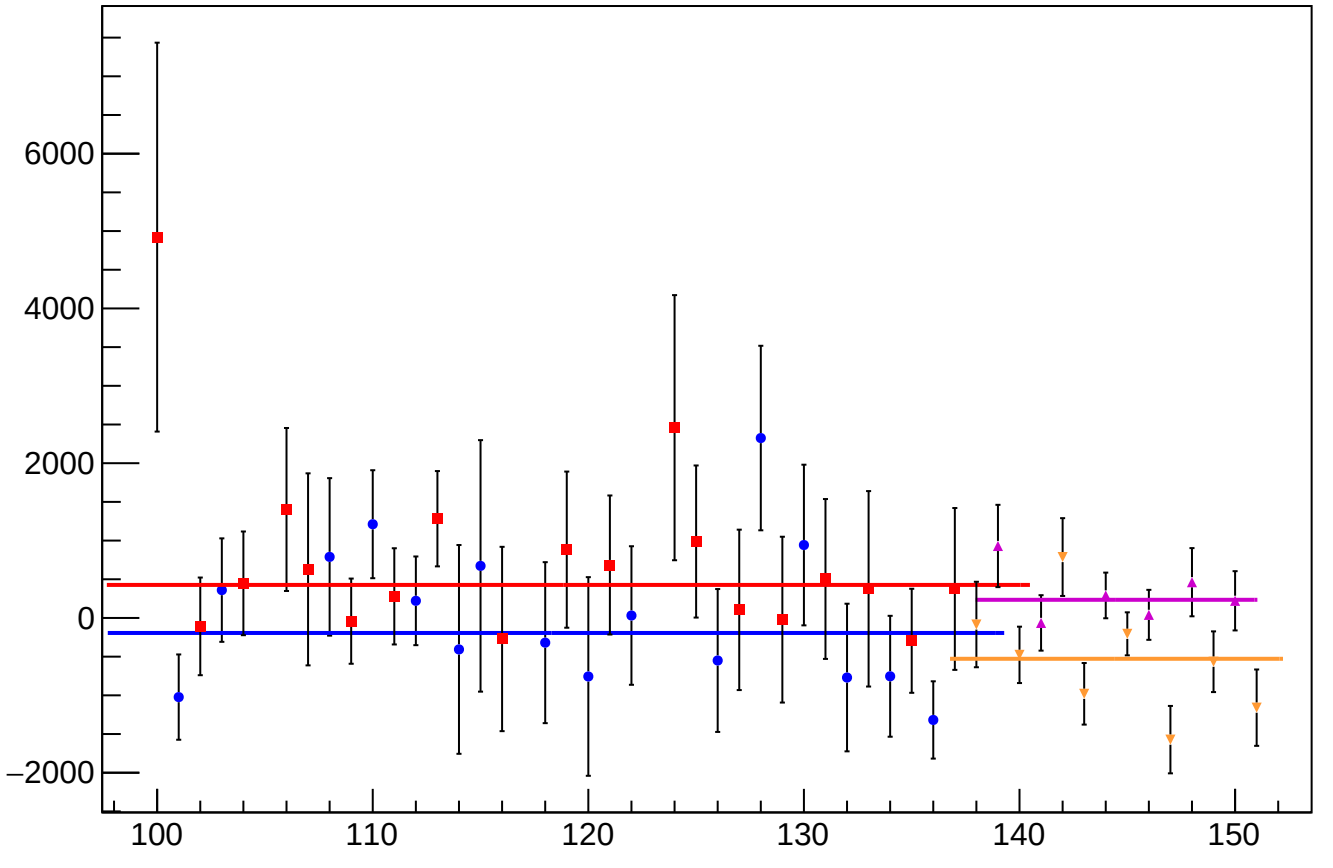
Left: 58.612+/-0.012 χ^2/NDF: 221782.4/13

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.394+/-0.012 χ^2/NDF:677794.0/21

Out: 59.201+/-0.012 χ^2/NDF:912010.5/26

All: 58.807+/-0.008 χ^2/NDF: 1592122.1/48



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -527.653+/-141.567 χ^2/NDF:17.5/7

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 234.683+/-150.126 χ^2/NDF:3.1/5

Left: -168.835+/-102.996 χ^2/NDF: 34.3/13

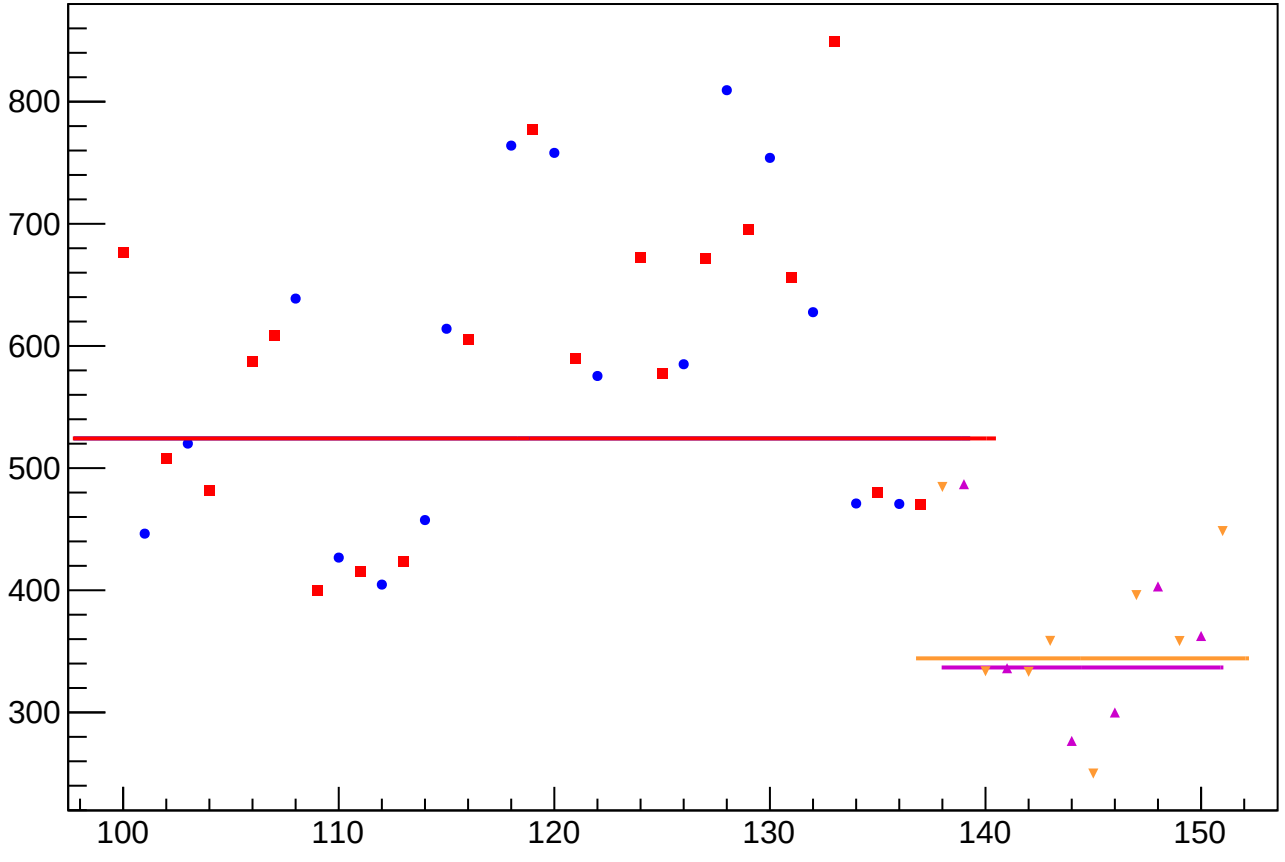
Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 80.822+/-120.195 χ^2/NDF:26.8/21

Out: -202.568+/-114.963 χ^2/NDF:44.3/26

All: -67.175+/-83.079 χ^2/NDF: 74.0/48

asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 344.261+/-0.100 χ^2/NDF:484415.0/7

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 336.793+/-0.106 χ^2/NDF:322714.6/5

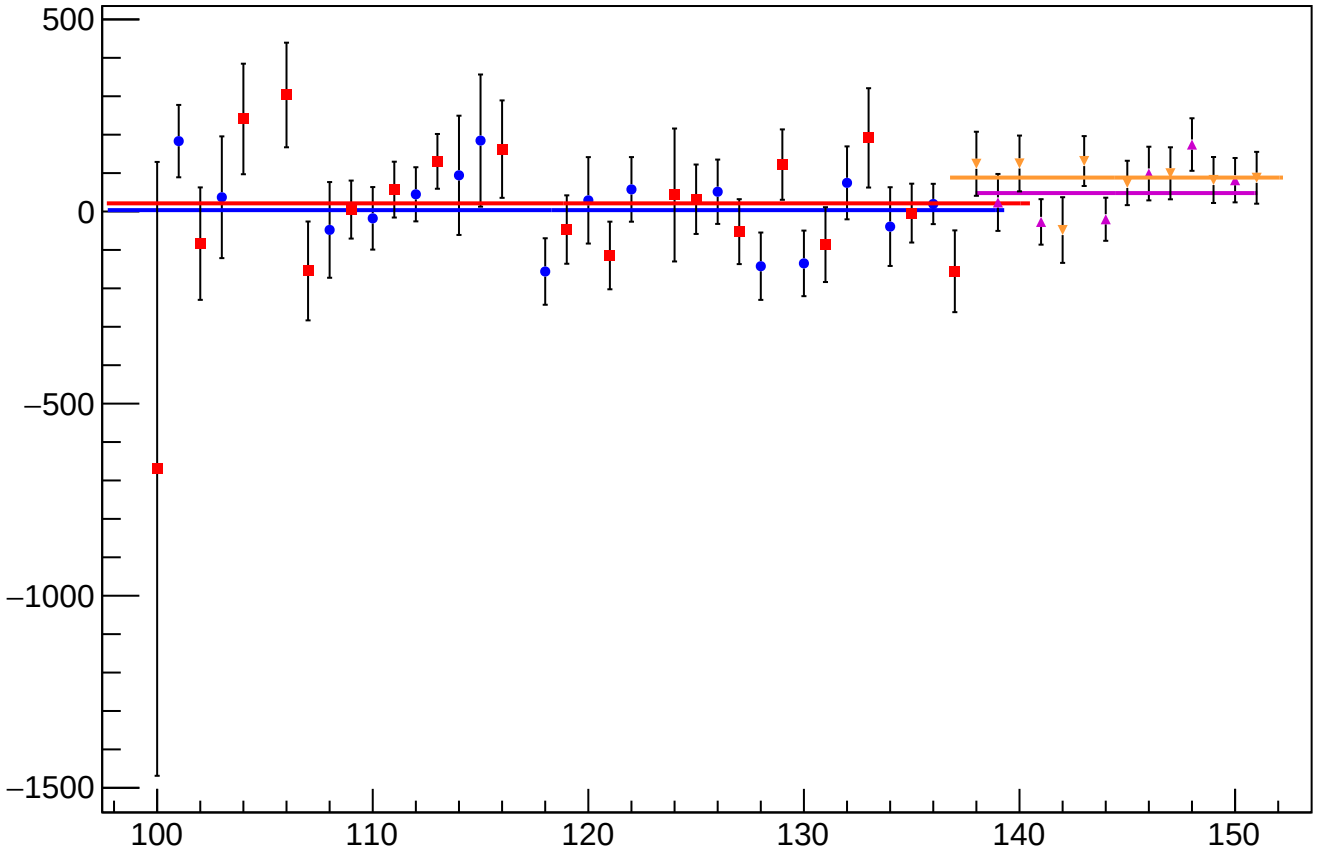
Left: 340.746+/-0.073 χ^2/NDF: 809748.7/13

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 404.118+/-0.085 χ^2/NDF:2101585.7/21

Out: 405.572+/-0.081 χ^2/NDF:2272101.1/26

All: 404.877+/-0.059 χ^2/NDF: 4373839.8/48



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 88.352+/-24.081 χ^2/NDF:3.5/7

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.009+/-25.787 χ^2/NDF:7.5/5

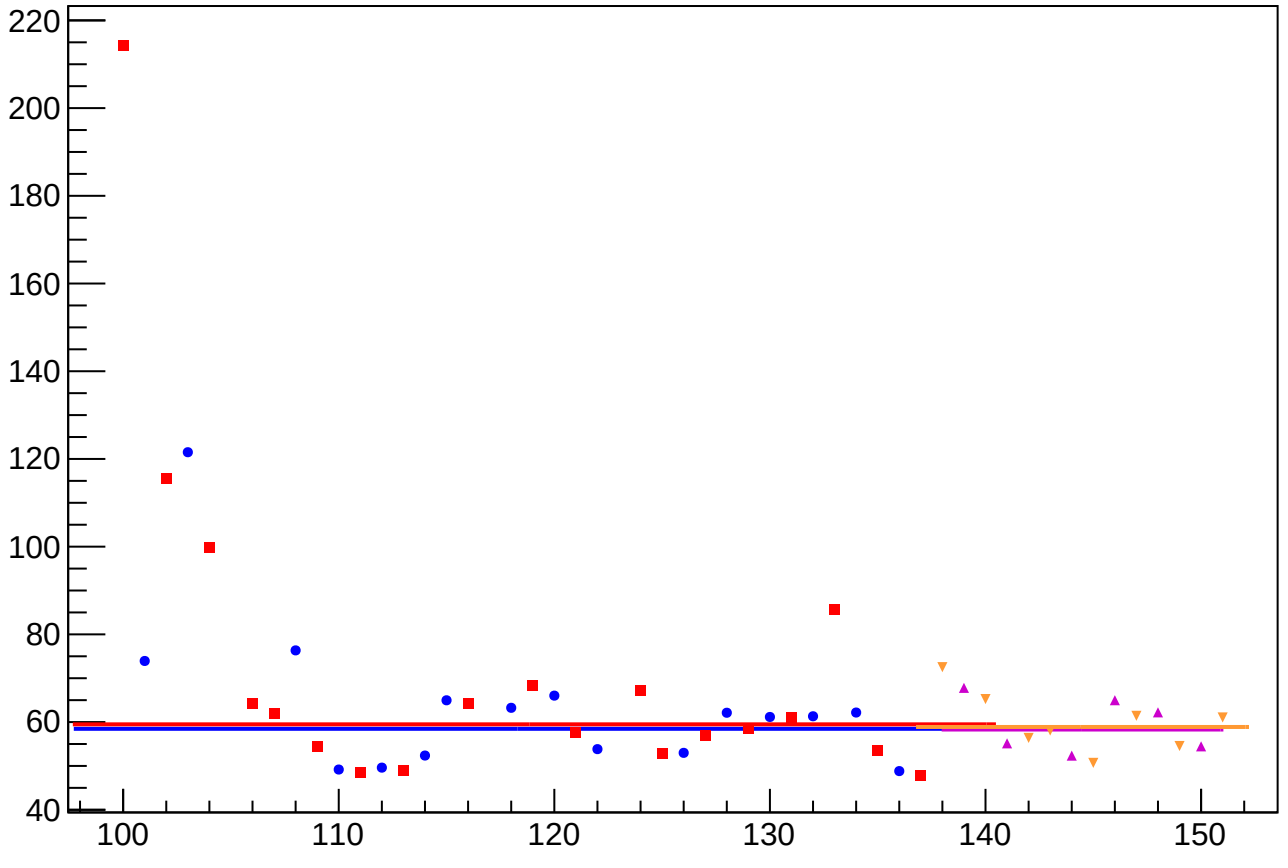
Left: 69.559+/-17.600 χ^2/NDF: 12.3/13

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 22.774+/-16.945 χ^2/NDF:25.3/21

Out: 52.924+/-16.544 χ^2/NDF:32.0/26

All: 38.210+/-11.838 χ^2/NDF: 59.0/48



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 58.884+/-0.017 χ^2/NDF:126473.8/7

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 58.301+/-0.018 χ^2/NDF:94762.4/5

Left: 58.612+/-0.012 χ^2/NDF: 221781.5/13

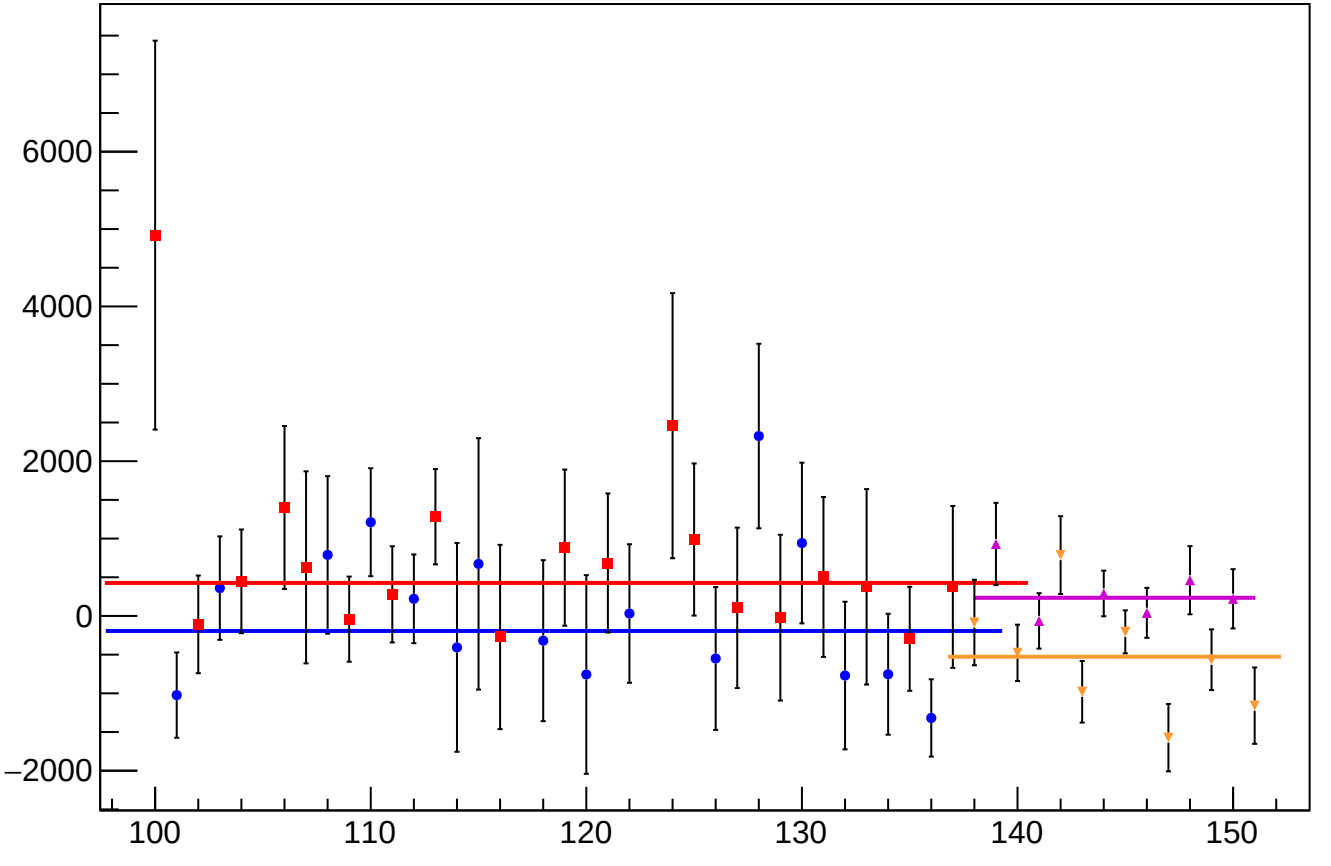
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.395+/-0.012 χ^2/NDF:677789.2/21

Out: 59.201+/-0.012 χ^2/NDF:912010.4/26

All: 58.807+/-0.008 χ^2/NDF: 1592117.5/48

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: -527.653+/-141.567 χ^2/NDF:17.5/7

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 234.683+/-150.126 χ^2/NDF:3.1/5

Left: -168.836+/-102.996 χ^2/NDF: 34.3/13

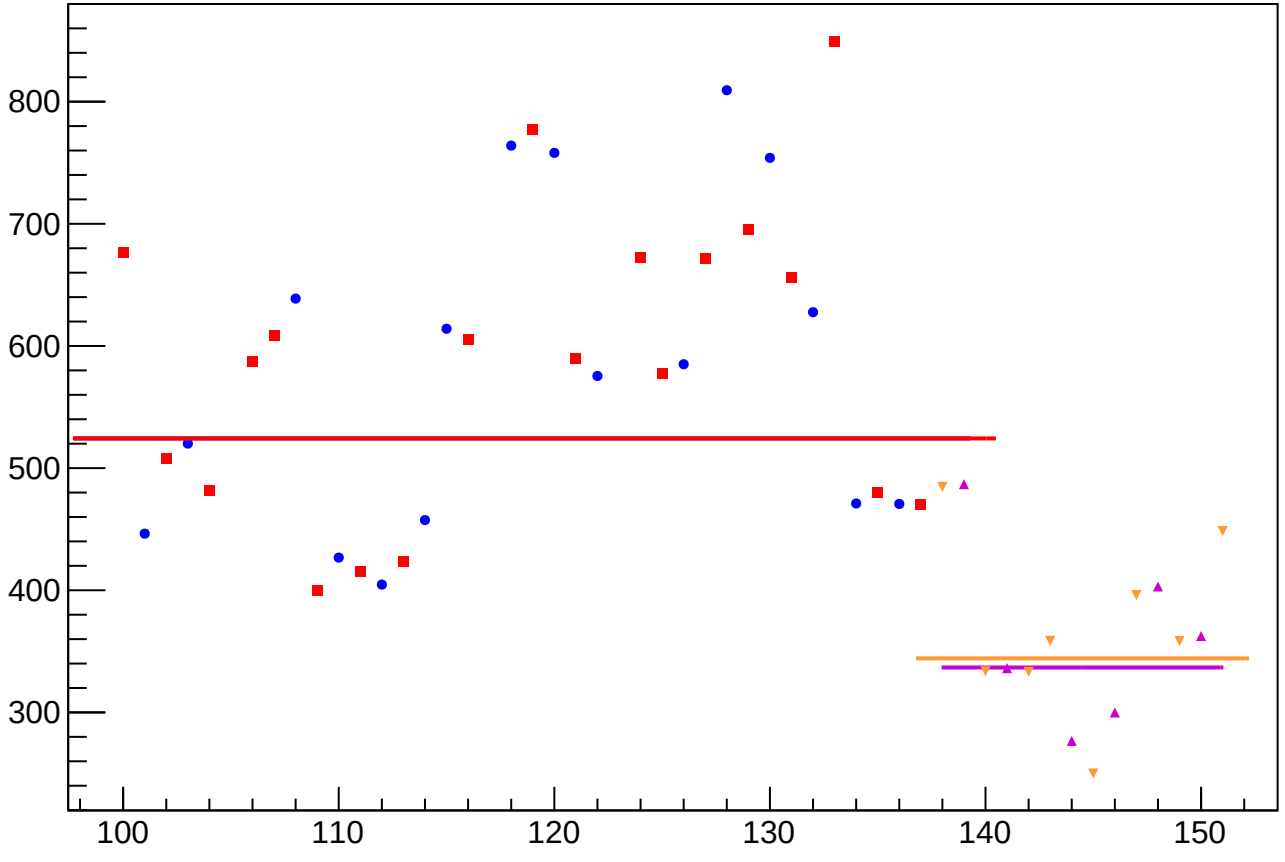
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 80.822+/-120.195 χ^2/NDF:26.8/21

Out: -202.568+/-114.963 χ^2/NDF:44.3/26

All: -67.175+/-83.079 χ^2/NDF: 74.0/48

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: 344.260+/-0.100 χ^2/NDF:484415.7/7

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 336.793+/-0.106 χ^2/NDF:322716.1/5

Left: 340.746+/-0.073 χ^2/NDF: 809750.9/13

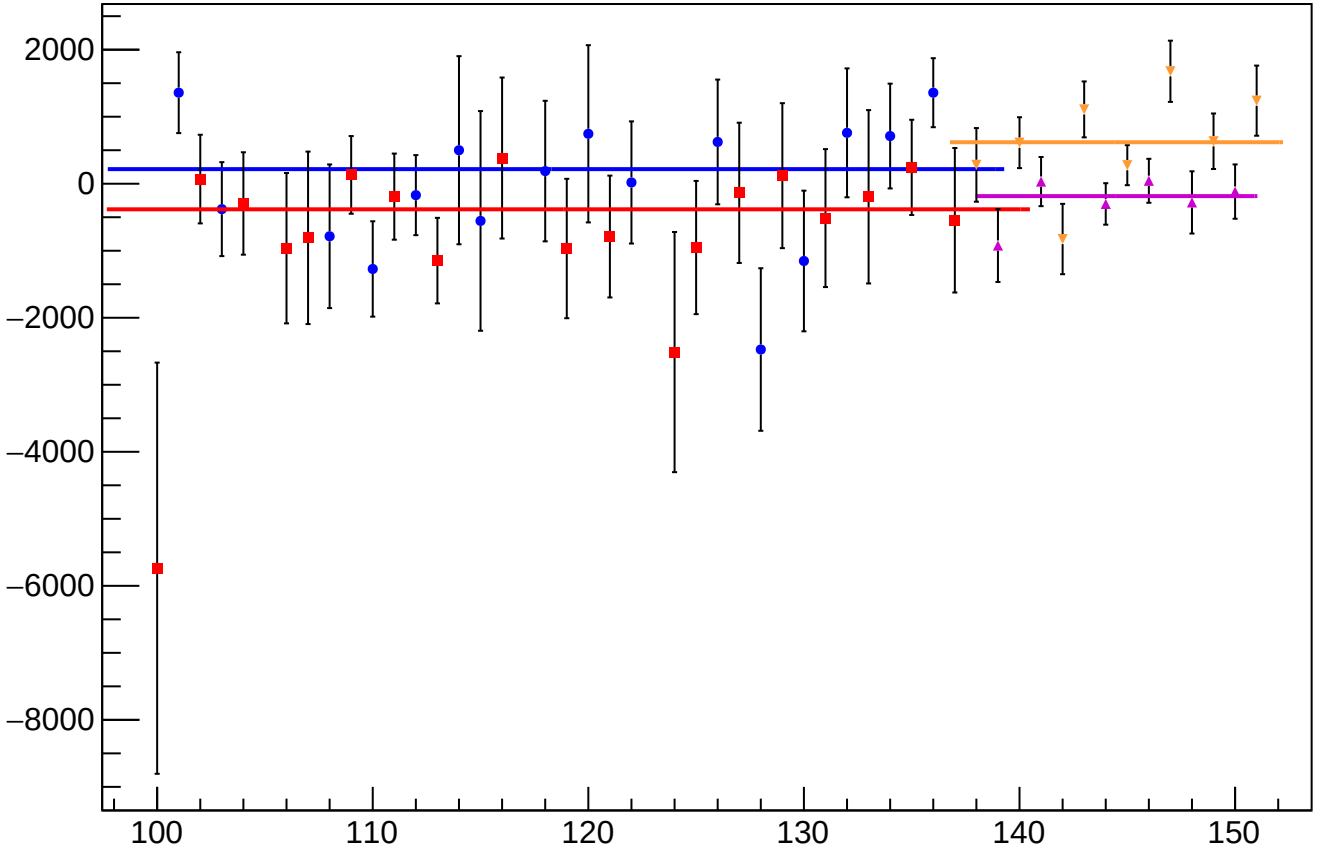
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 404.117+/-0.085 χ^2/NDF:2101582.2/21

Out: 405.572+/-0.081 χ^2/NDF:2272095.4/26

All: 404.877+/-0.059 χ^2/NDF: 4373830.6/48

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 619.087+/-148.913 χ^2/NDF:17.4/7

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -184.888+/-155.640 χ^2/NDF:2.9/5

Left: 234.850+/-107.597 χ^2/NDF: 34.2/13

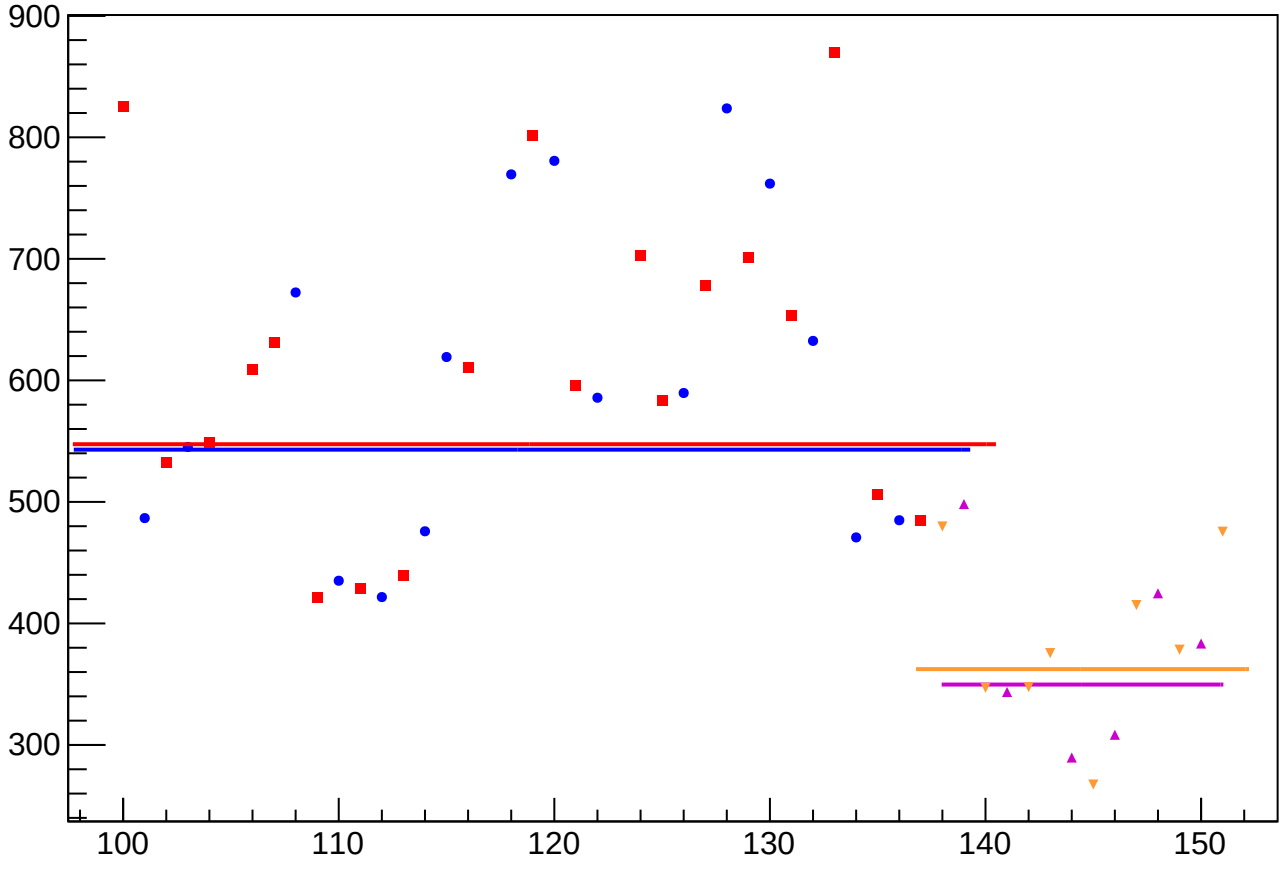
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -39.910+/-124.506 χ^2/NDF:28.2/21

Out: 274.651+/-120.600 χ^2/NDF:43.0/26

All: 122.383+/-86.625 χ^2/NDF: 74.4/48

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 362.396+/-0.105 χ^2/NDF:423304.0/7

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 349.705+/-0.110 χ^2/NDF:323039.0/5

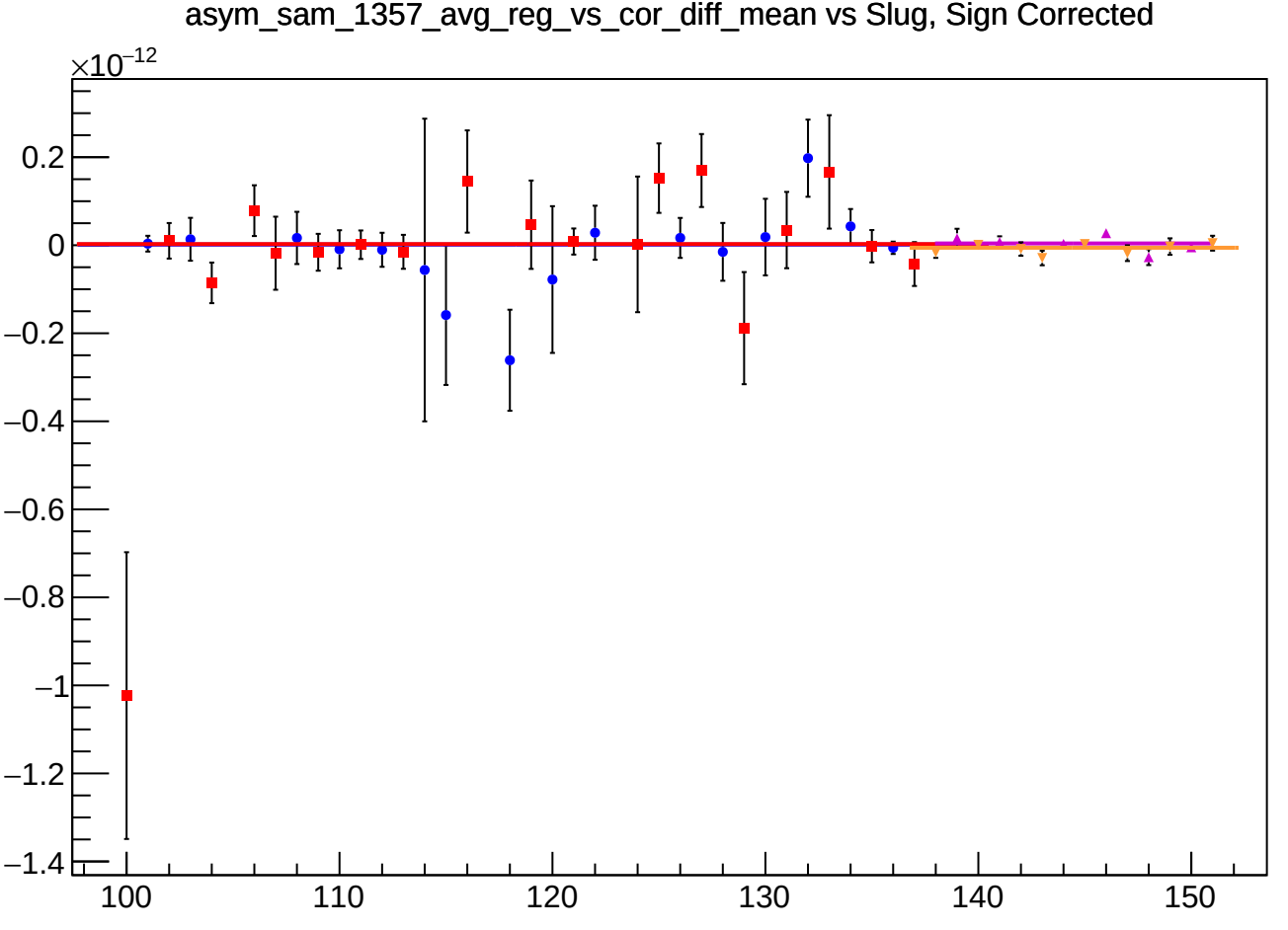
Left: 356.331+/-0.076 χ^2/NDF: 753285.6/13

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 419.303+/-0.088 χ^2/NDF:2038979.0/21

Out: 426.082+/-0.085 χ^2/NDF:2116594.1/26

All: 422.800+/-0.061 χ^2/NDF: 4158632.0/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:4.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/5

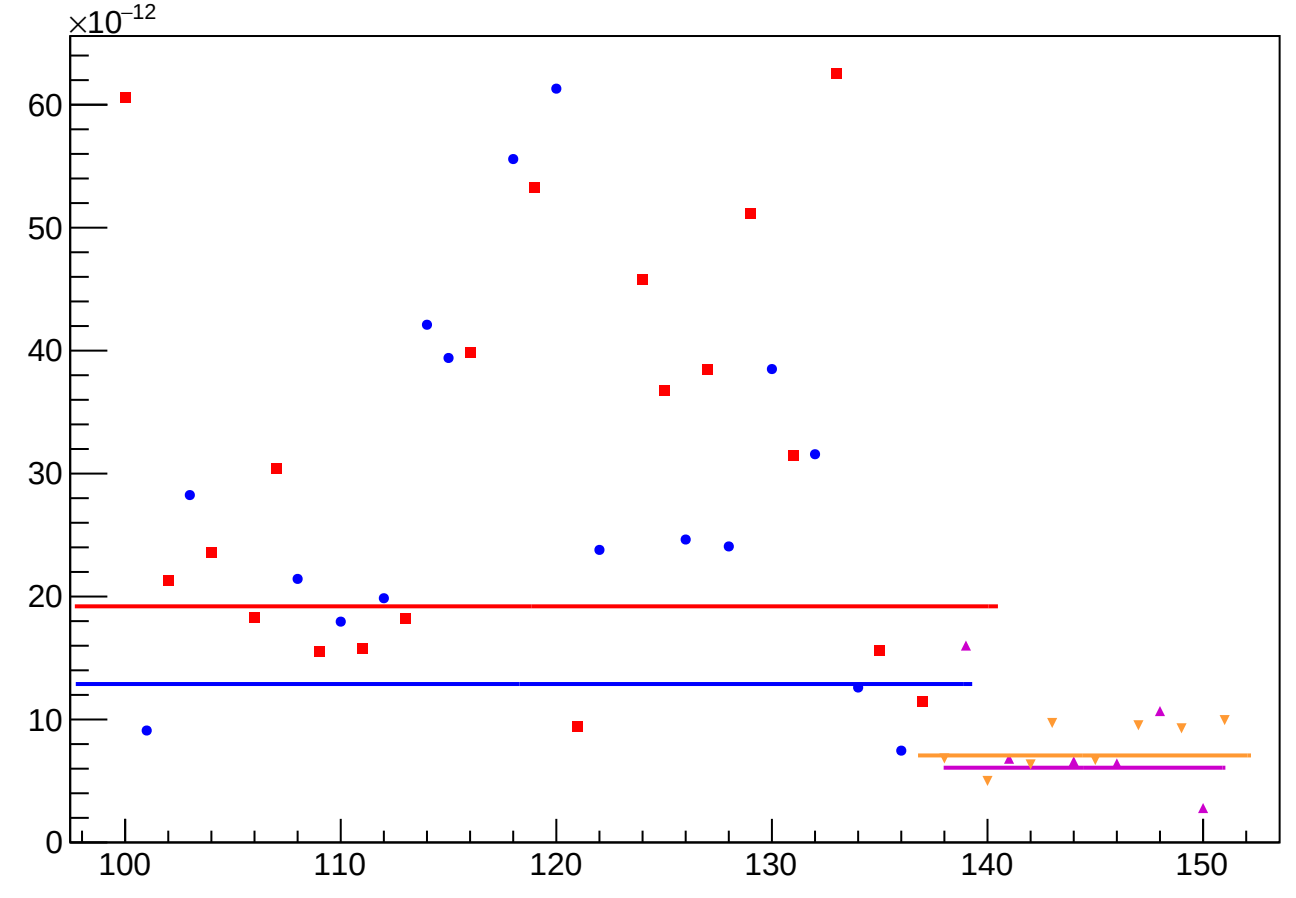
Left: -0.000+/-0.000 χ^2/NDF: 15.7/13

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:22.4/21

Out: -0.000+/-0.000 χ^2/NDF:35.3/26

All: -0.000+/-0.000 χ^2/NDF: 59.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:287669.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:874493.5/5

Left: 0.000+/-0.000 χ^2/NDF: 1206339.9/13

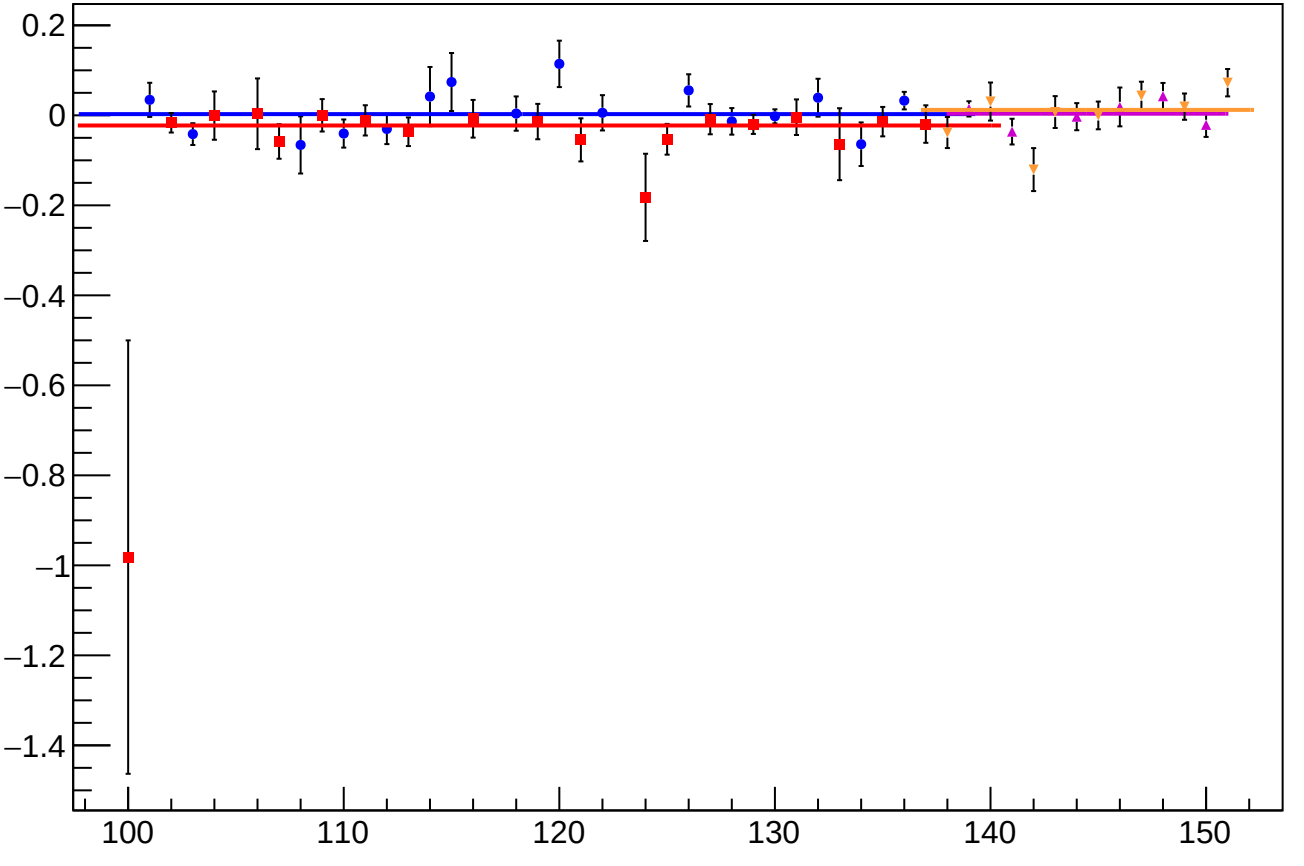
Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:3510523.7/21

Out: 0.000+/-0.000 χ^2/NDF:3394999.6/26

All: 0.000+/-0.000 χ^2/NDF: 6967139.1/48

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: 0.012+/-0.012 χ^2/NDF:15.3/7

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.011 χ^2/NDF:5.1/5

Left: 0.007+/-0.008 χ^2/NDF: 20.7/13

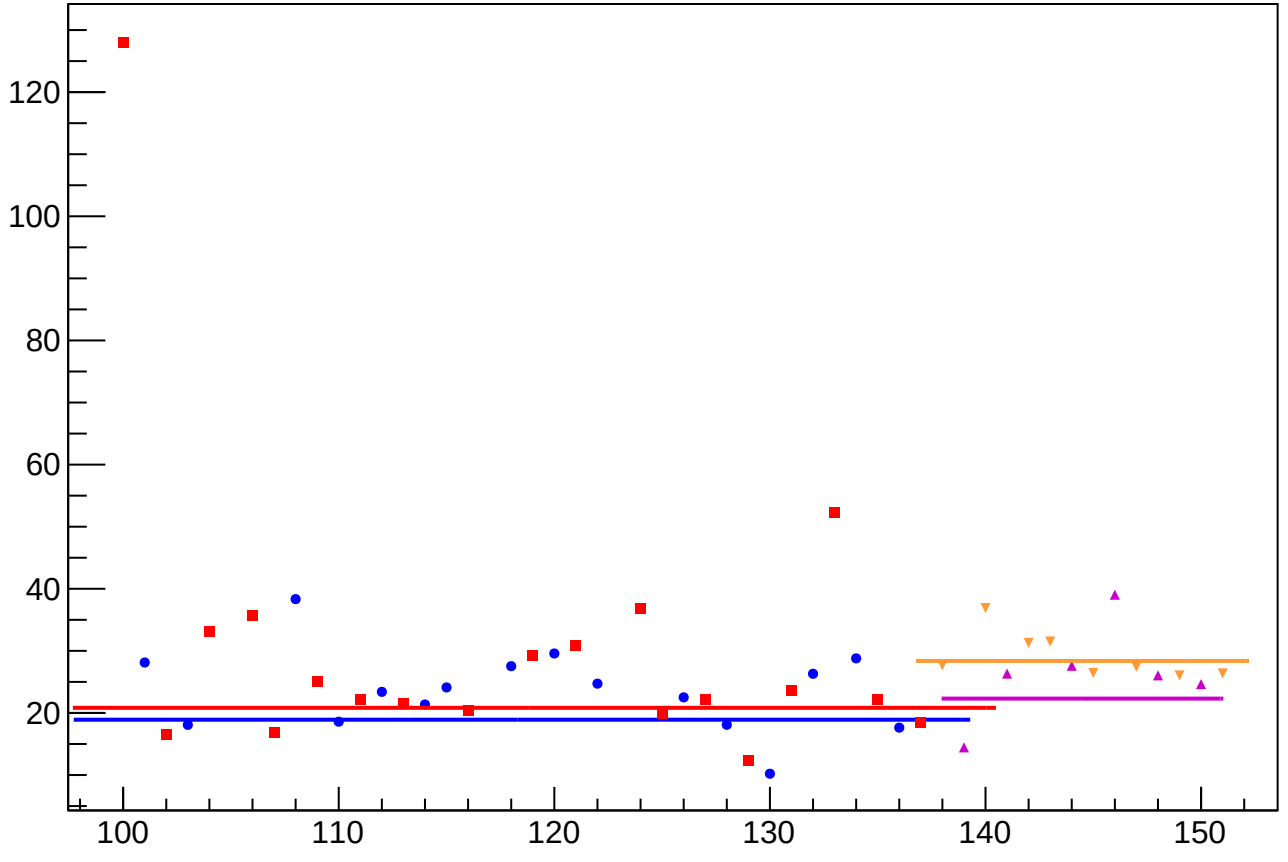
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.003+/-0.006 χ^2/NDF:27.0/21

Out: -0.011+/-0.007 χ^2/NDF:31.7/26

All: -0.003+/-0.005 χ^2/NDF: 61.0/48

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: 28.378+/-0.008 χ^2/NDF:135943.1/7

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.310+/-0.008 χ^2/NDF:879214.2/5

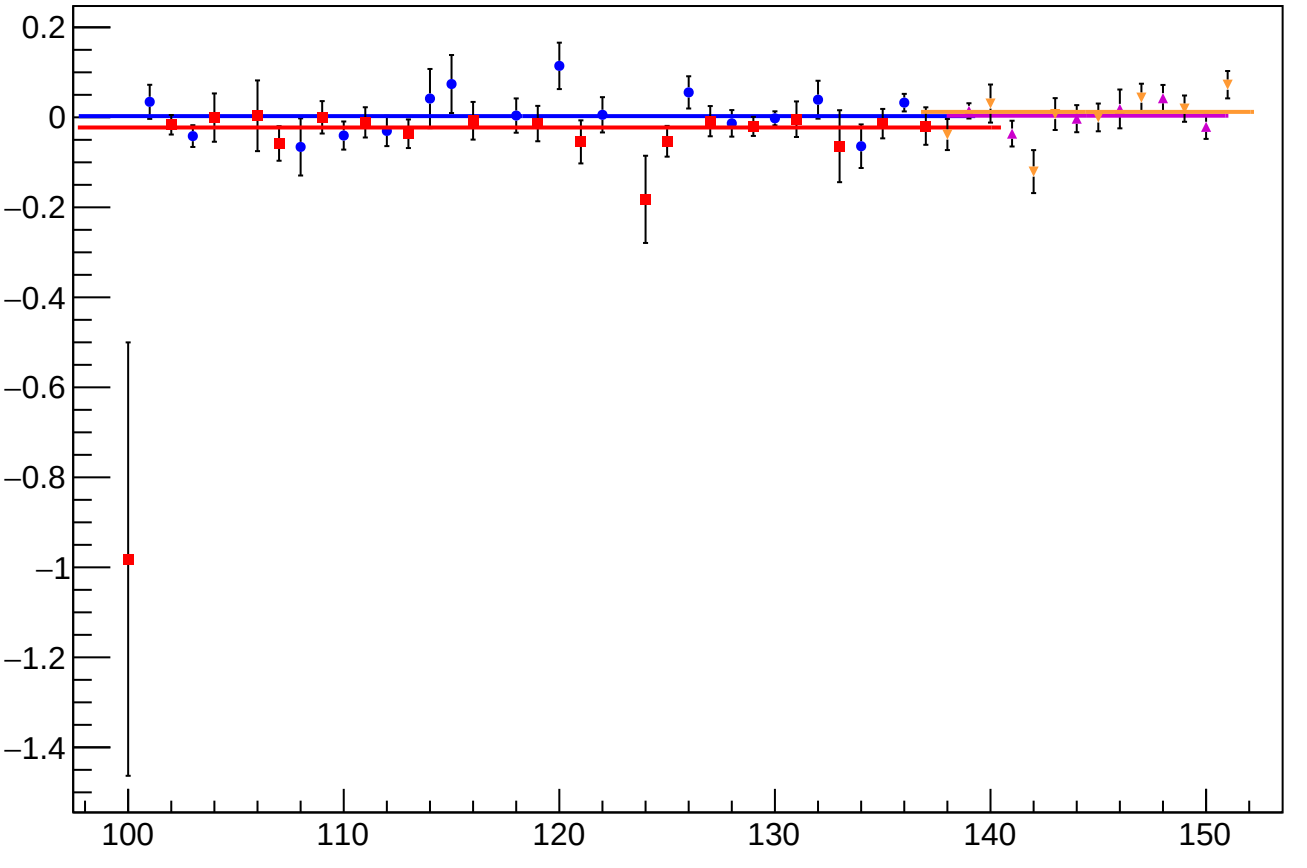
Left: 24.982+/-0.006 χ^2/NDF: 1302999.6/13

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.104+/-0.004 χ^2/NDF:2402713.6/21

Out: 23.339+/-0.005 χ^2/NDF:1959040.4/26

All: 21.571+/-0.003 χ^2/NDF: 4601849.6/48



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.012 χ^2/NDF:15.3/7

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.011 χ^2/NDF:5.1/5

Left: 0.007+/-0.008 χ^2/NDF: 20.7/13

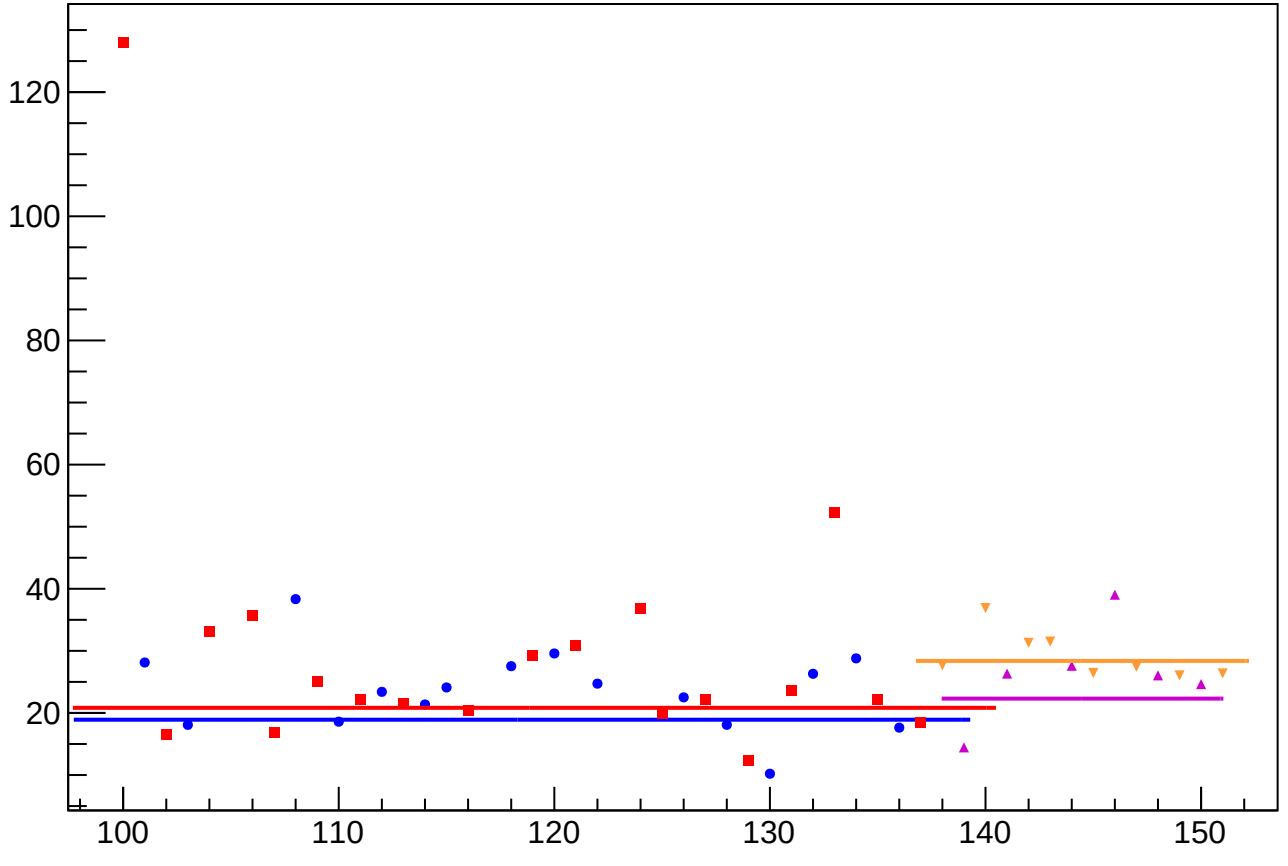
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.003+/-0.006 χ^2/NDF:27.0/21

Out: -0.011+/-0.007 χ^2/NDF:31.7/26

All: -0.003+/-0.005 χ^2/NDF: 61.0/48

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 28.378+/-0.008 χ^2/NDF:135943.1/7

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.310+/-0.008 χ^2/NDF:879214.2/5

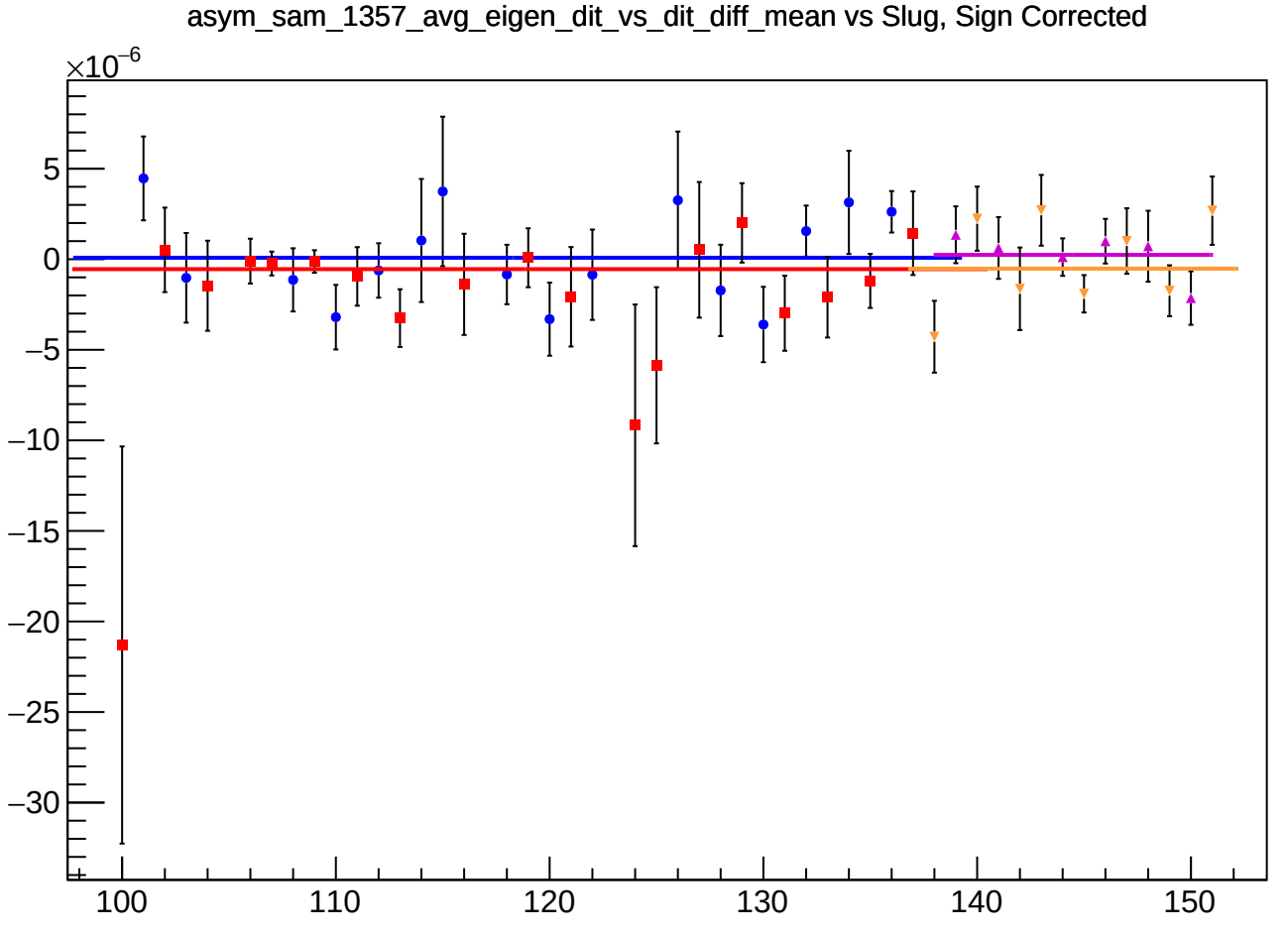
Left: 24.982+/-0.006 χ^2/NDF: 1302999.6/13

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.104+/-0.004 χ^2/NDF:2402713.6/21

Out: 23.339+/-0.005 χ^2/NDF:1959040.4/26

All: 21.571+/-0.003 χ^2/NDF: 4601849.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/5

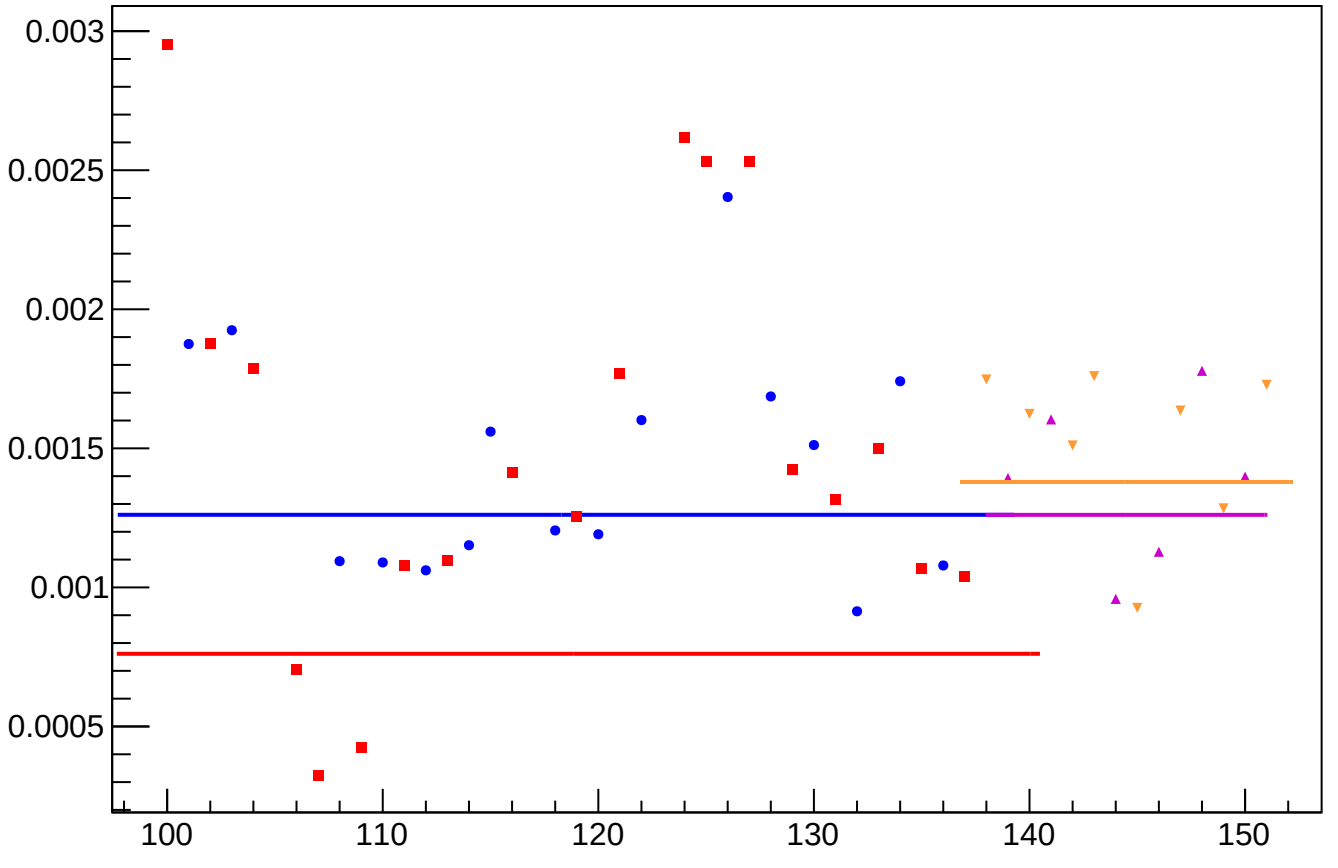
Left: -0.000+/-0.000 χ^2/NDF: 19.6/13

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:27.2/21

Out: -0.000+/-0.000 χ^2/NDF:30.8/26

All: -0.000+/-0.000 χ^2/NDF: 60.1/48



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:692711.1/7

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:445997.8/5

Left: 0.001+/-0.000 χ^2/NDF: 1181535.8/13

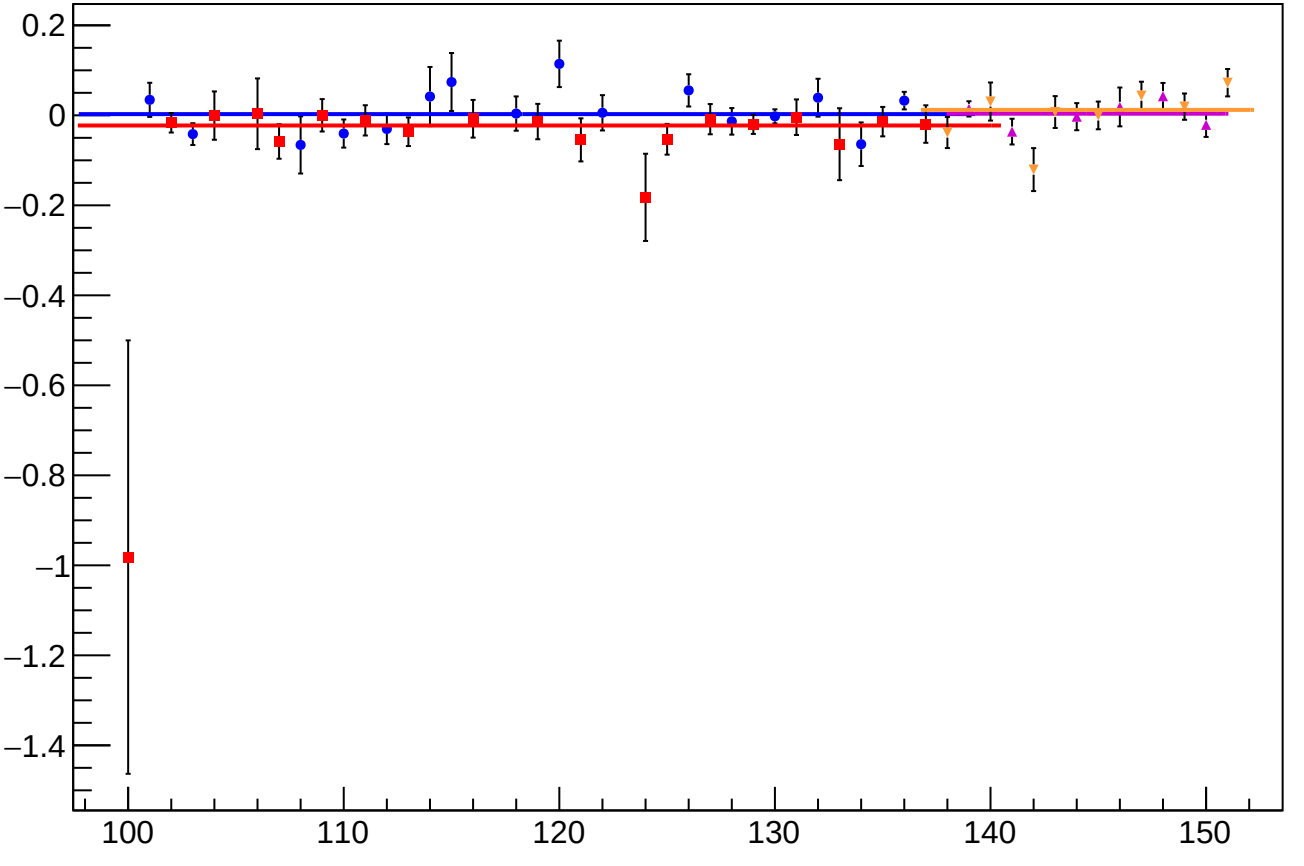
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1353340.4/21

Out: 0.001+/-0.000 χ^2/NDF:7095539.0/26

All: 0.001+/-0.000 χ^2/NDF: 9484500.6/48

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: 0.012+/-0.012 χ^2/NDF:15.3/7

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.011 χ^2/NDF:5.1/5

Left: 0.007+/-0.008 χ^2/NDF: 20.7/13

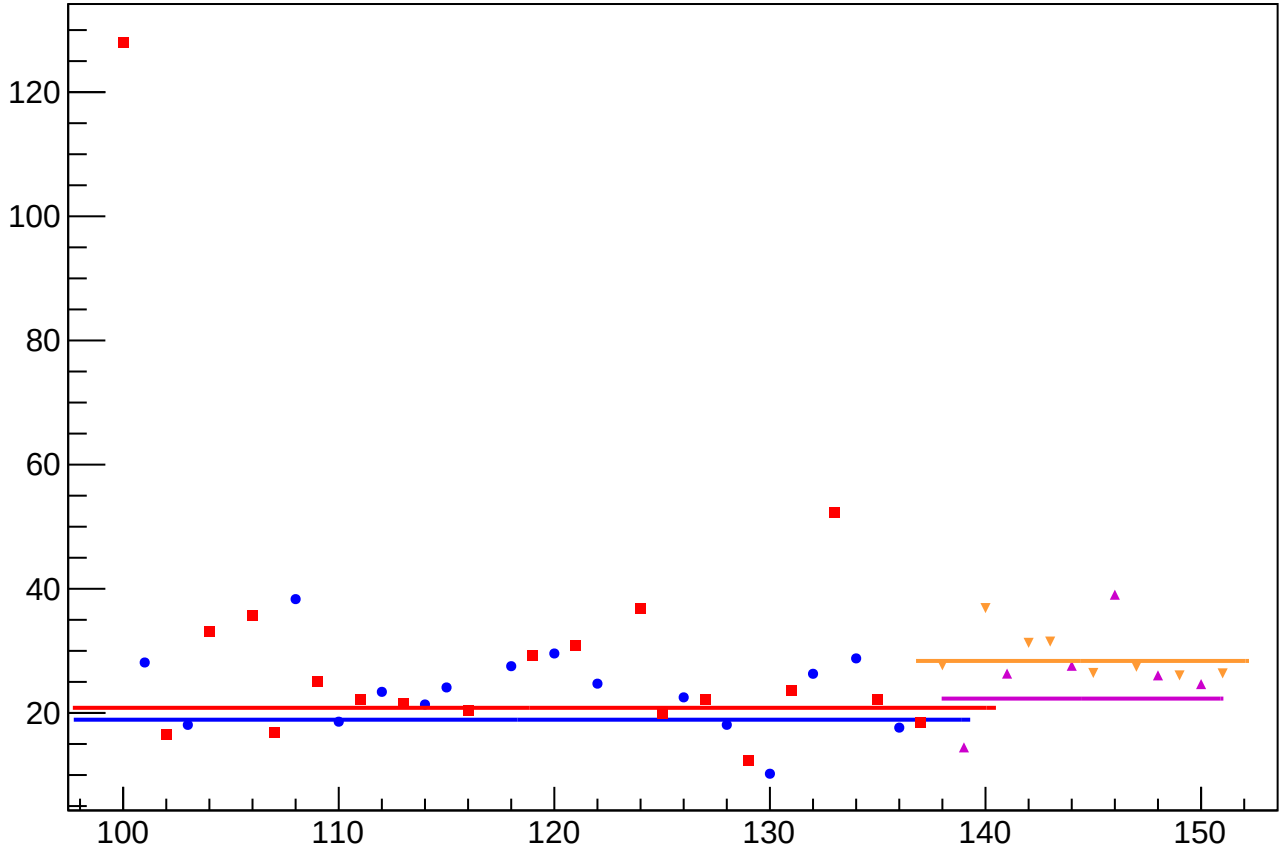
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.003+/-0.006 χ^2/NDF:27.0/21

Out: -0.011+/-0.007 χ^2/NDF:31.7/26

All: -0.003+/-0.005 χ^2/NDF: 61.0/48

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: 28.378+/-0.008 χ^2/NDF:135942.8/7

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.311+/-0.008 χ^2/NDF:879139.9/5

Left: 24.983+/-0.006 χ^2/NDF: 1302904.1/13

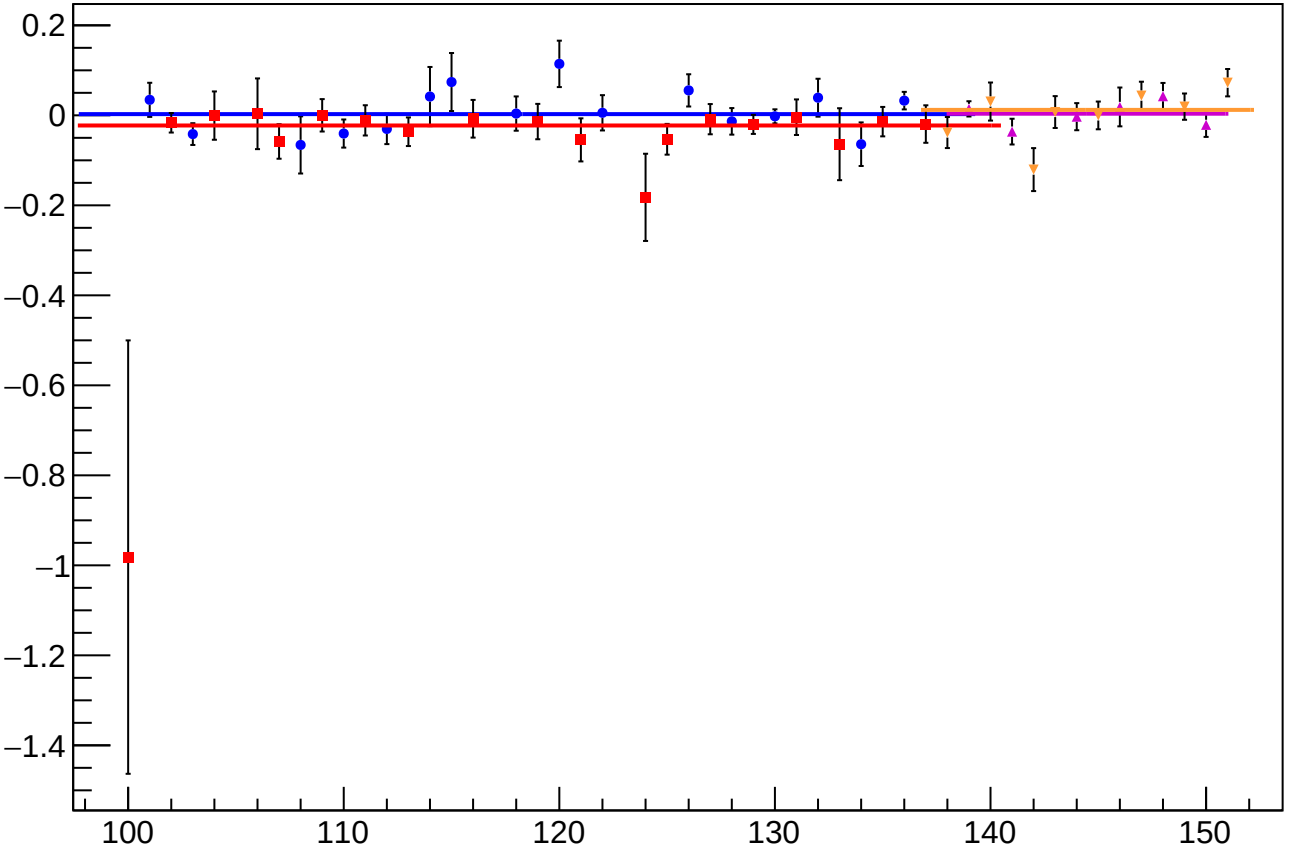
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.105+/-0.004 χ^2/NDF:2402537.8/21

Out: 23.340+/-0.005 χ^2/NDF:1959069.9/26

All: 21.572+/-0.003 χ^2/NDF: 4601668.6/48

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: 0.012+/-0.012 χ^2/NDF:15.3/7

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.004+/-0.011 χ^2/NDF:5.1/5

Left: 0.007+/-0.008 χ^2/NDF: 20.7/13

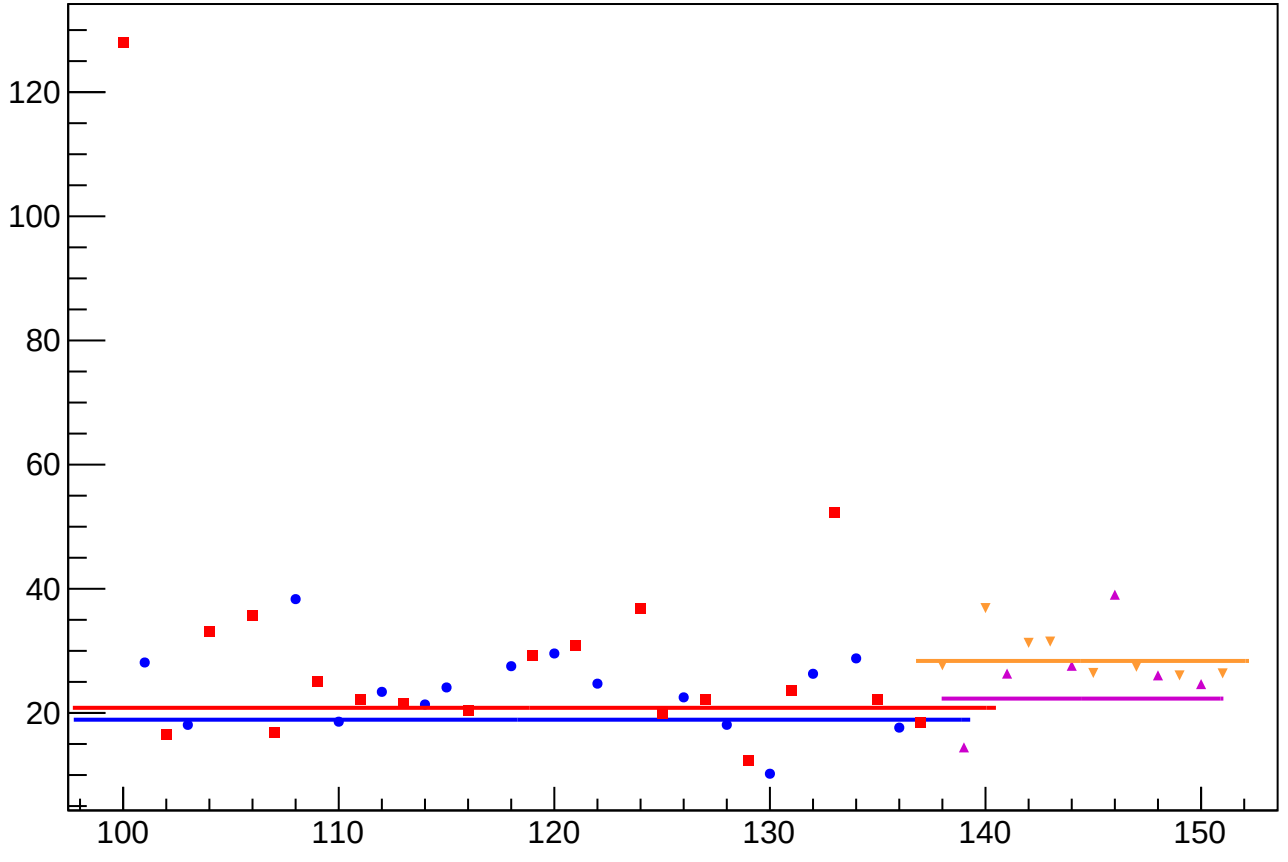
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.003+/-0.006 χ^2/NDF:27.0/21

Out: -0.011+/-0.007 χ^2/NDF:31.7/26

All: -0.003+/-0.005 χ^2/NDF: 61.0/48

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: 28.378+/-0.008 χ^2/NDF:135942.8/7

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.311+/-0.008 χ^2/NDF:879139.9/5

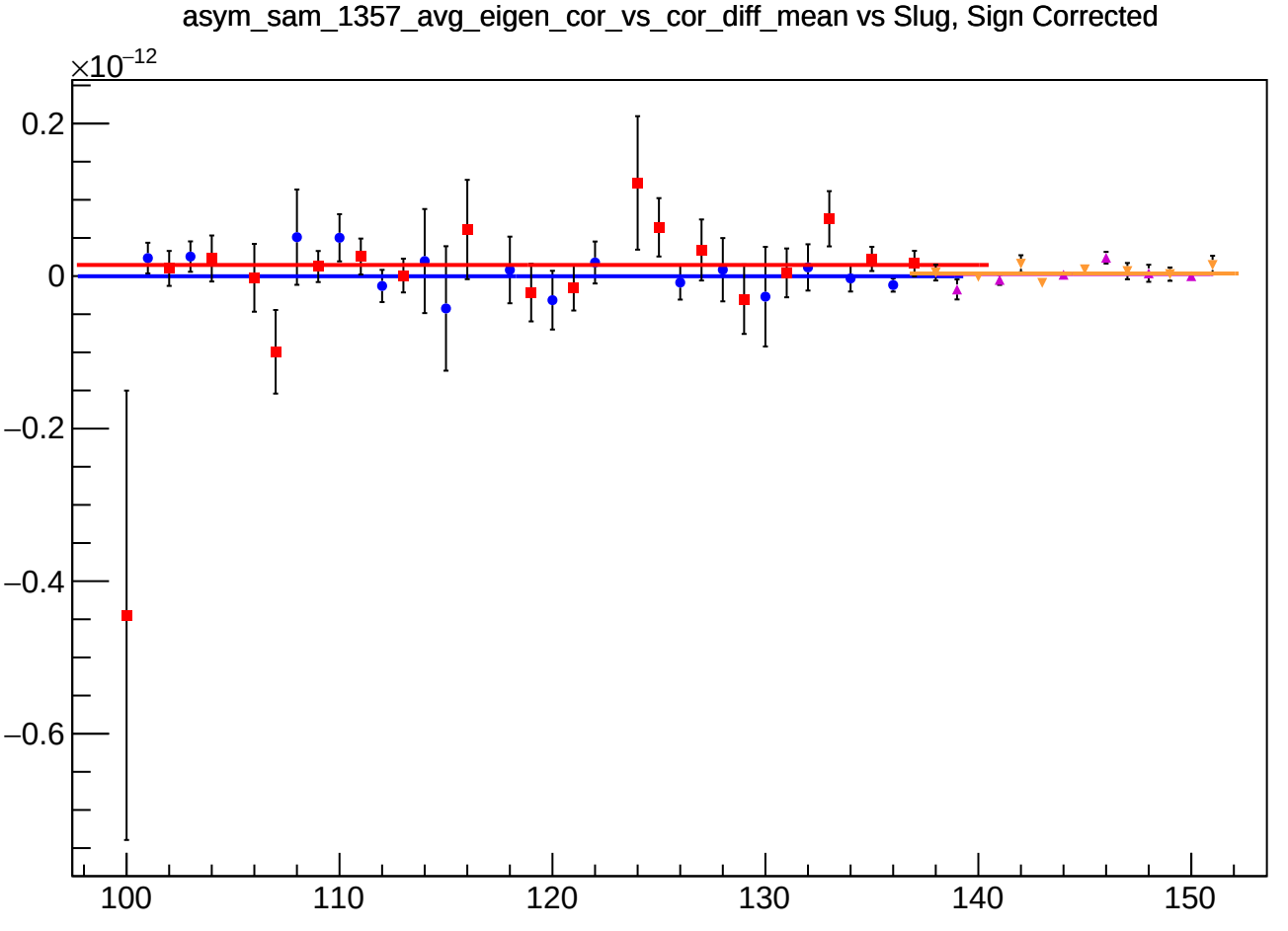
Left: 24.983+/-0.006 χ^2/NDF: 1302904.1/13

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.105+/-0.004 χ^2/NDF:2402537.8/21

Out: 23.340+/-0.005 χ^2/NDF:1959069.9/26

All: 21.572+/-0.003 χ^2/NDF: 4601668.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:11.7/5

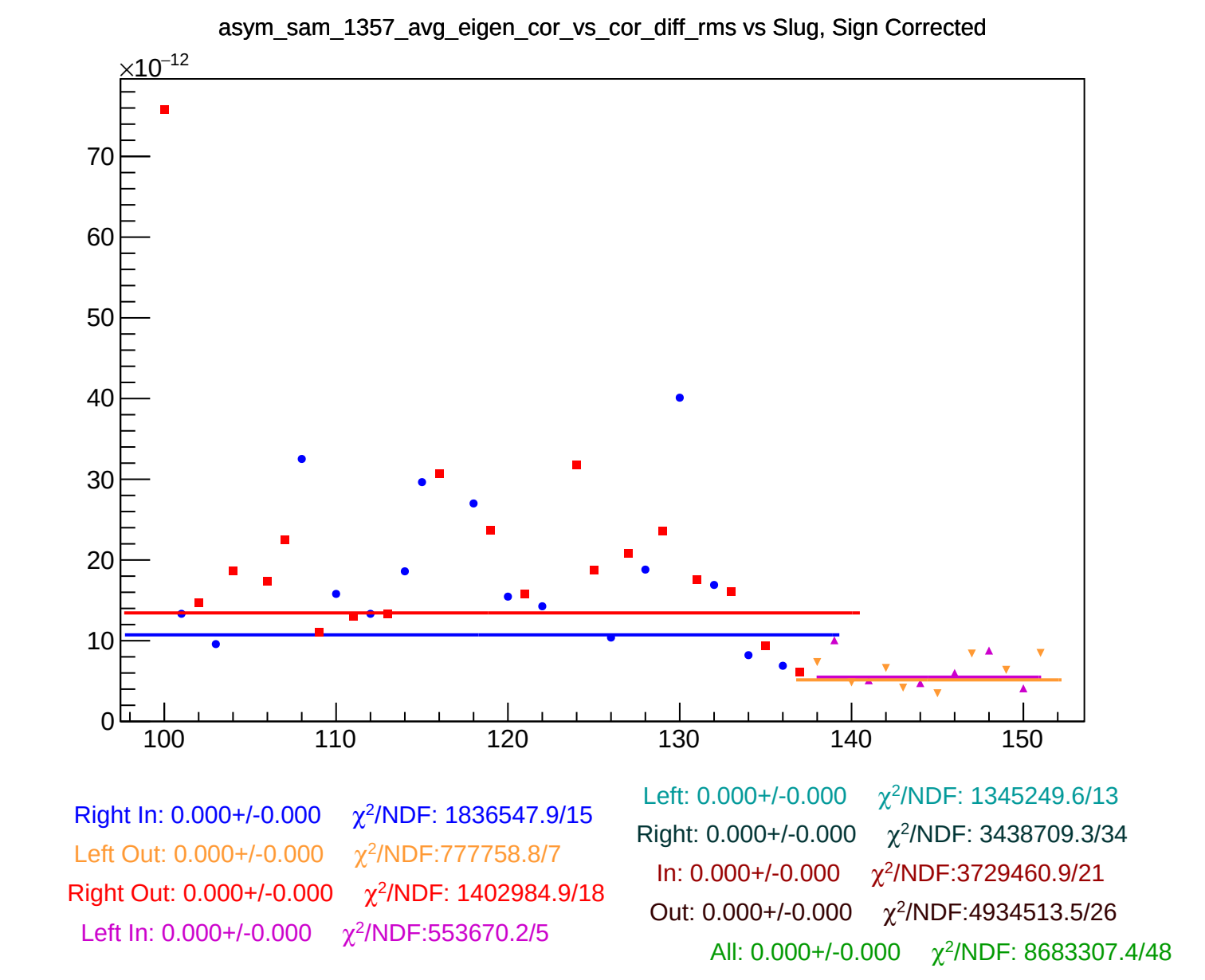
Left: 0.000+/-0.000 χ^2/NDF: 19.4/13

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

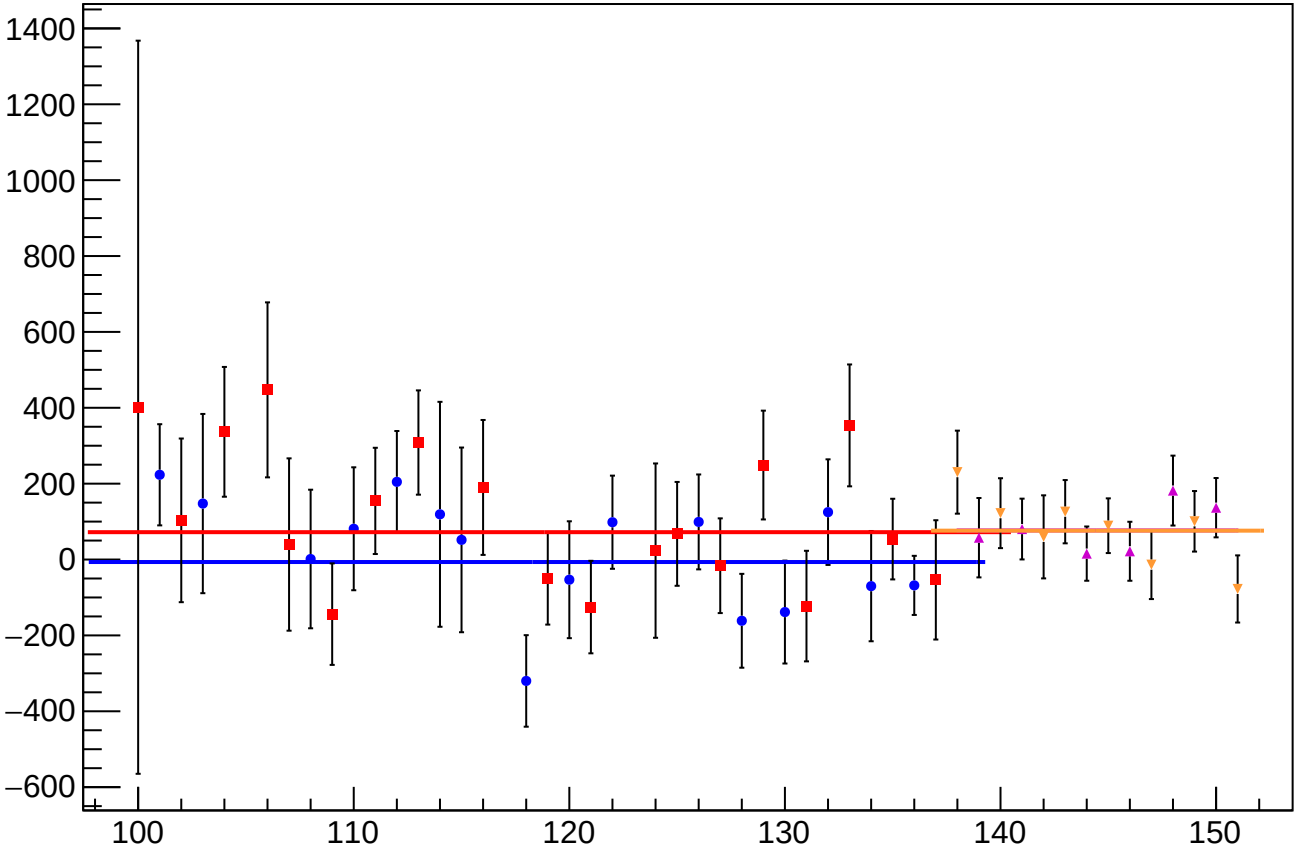
In: 0.000+/-0.000 χ^2/NDF:22.4/21

Out: 0.000+/-0.000 χ^2/NDF:27.8/26

All: 0.000+/-0.000 χ^2/NDF: 50.9/48


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:777758.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:553670.2/5
Left: 0.000+/-0.000 χ²/NDF: 1345249.6/13
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:3729460.9/21
Out: 0.000+/-0.000 χ²/NDF:4934513.5/26
All: 0.000+/-0.000 χ²/NDF: 8683307.4/48

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 76.103+/-31.201 χ^2/NDF:6.7/7

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 76.661+/-33.527 χ^2/NDF:3.2/5

Left: 76.362+/-22.841 χ^2/NDF: 9.9/13

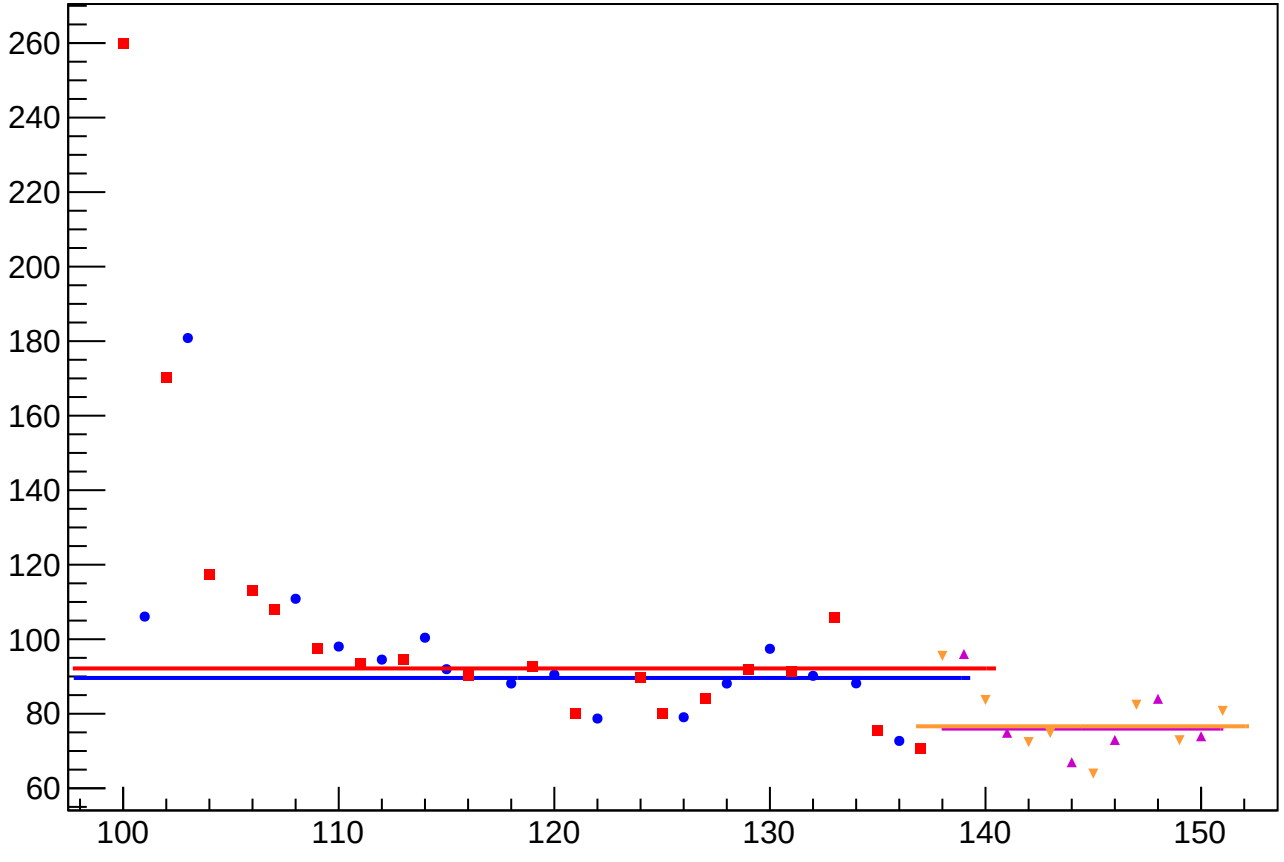
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 35.982+/-23.971 χ^2/NDF:25.1/21

Out: 74.334+/-23.256 χ^2/NDF:29.5/26

All: 55.739+/-16.692 χ^2/NDF: 55.9/48

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.629+/-0.022 χ^2/NDF:154287.7/7

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.012+/-0.024 χ^2/NDF:124945.2/5

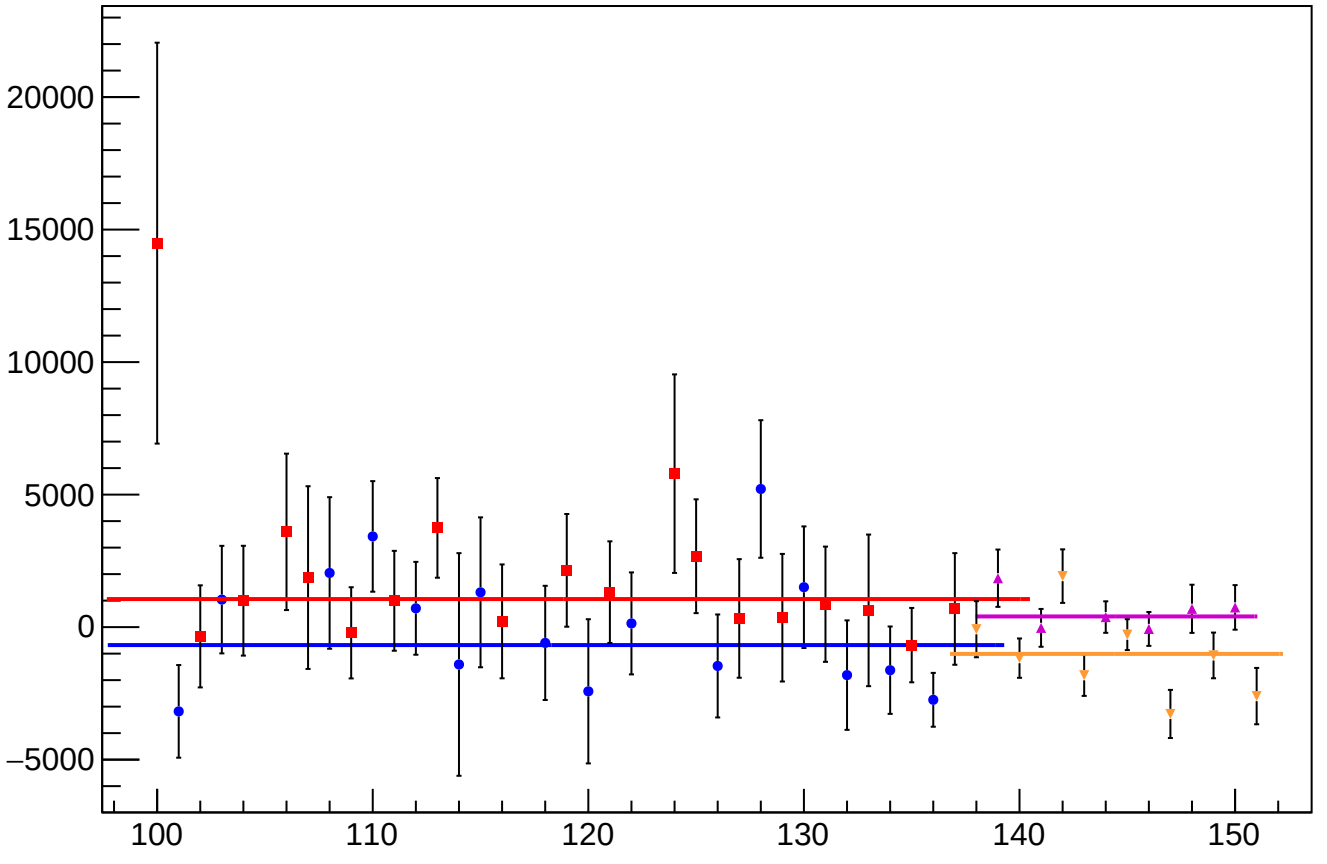
Left: 76.343+/-0.016 χ^2/NDF: 279596.3/13

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 82.656+/-0.017 χ^2/NDF:783991.5/21

Out: 83.533+/-0.016 χ^2/NDF:916636.8/26

All: 83.107+/-0.012 χ^2/NDF: 1702006.8/48



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1010.121+/-291.945 χ^2/NDF:20.4/7

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 402.912+/-305.342 χ^2/NDF:3.0/5

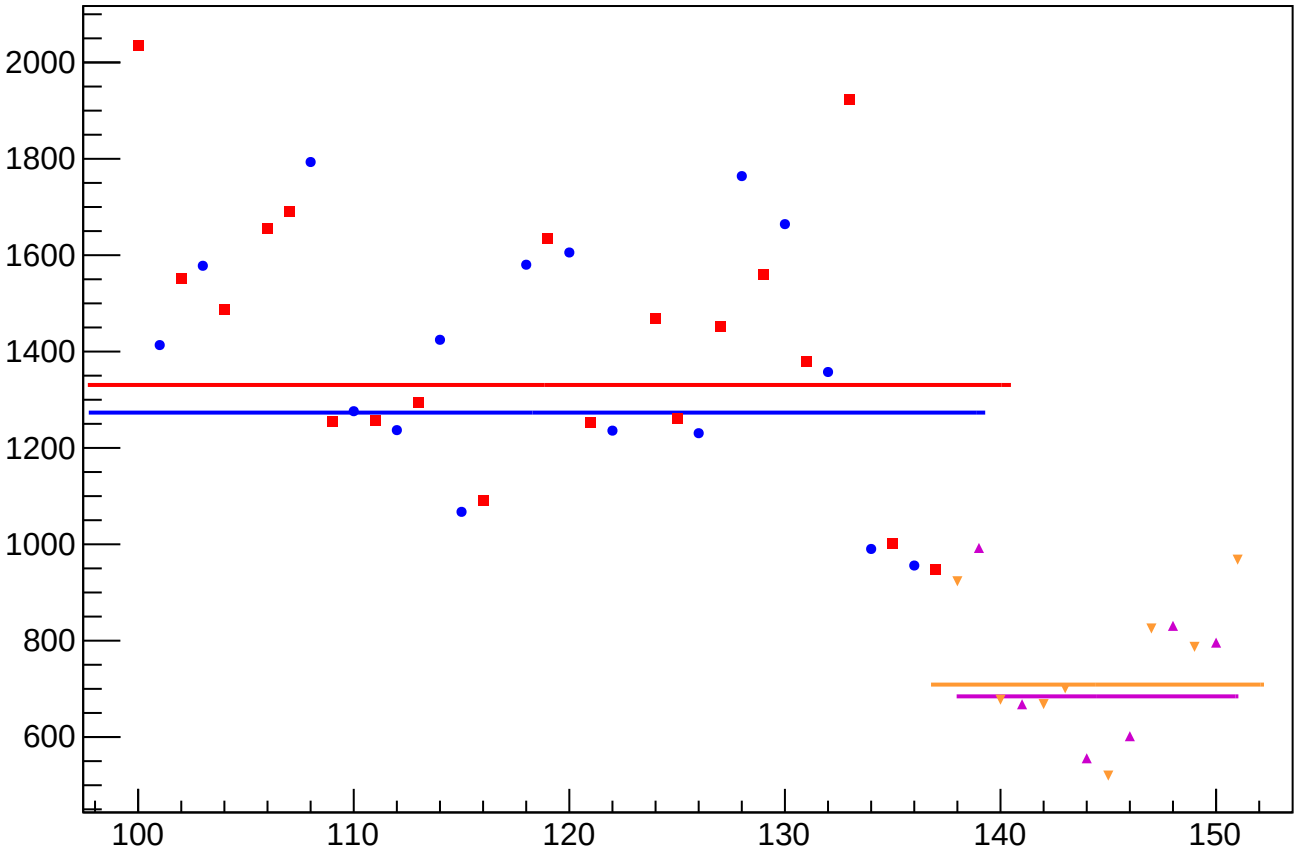
Left: -335.282+/-211.013 χ^2/NDF: 34.5/13

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 97.605+/-258.620 χ^2/NDF:26.8/21

Out: -478.344+/-251.643 χ^2/NDF:44.7/26

All: -198.243+/-180.355 χ^2/NDF: 74.0/48



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 708.862+/-0.206 χ^2/NDF:468076.1/7

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 684.439+/-0.216 χ^2/NDF:377392.6/5

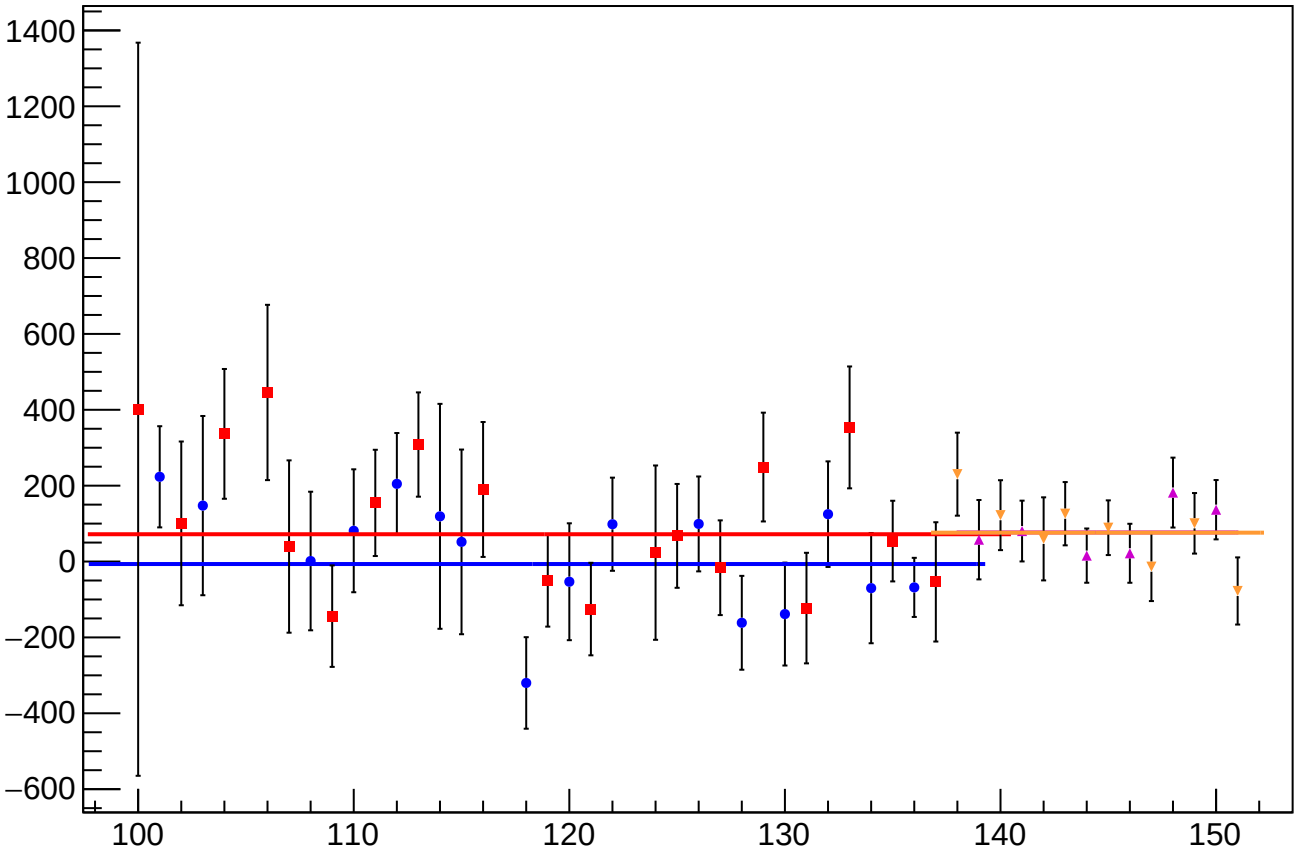
Left: 697.198+/-0.149 χ^2/NDF: 852153.3/13

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 850.867+/-0.183 χ^2/NDF:3077303.5/21

Out: 868.693+/-0.178 χ^2/NDF:3270906.4/26

All: 860.024+/-0.128 χ^2/NDF: 6353090.7/48



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 76.113+/-31.201 χ^2/NDF:6.7/7

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 76.663+/-33.527 χ^2/NDF:3.2/5

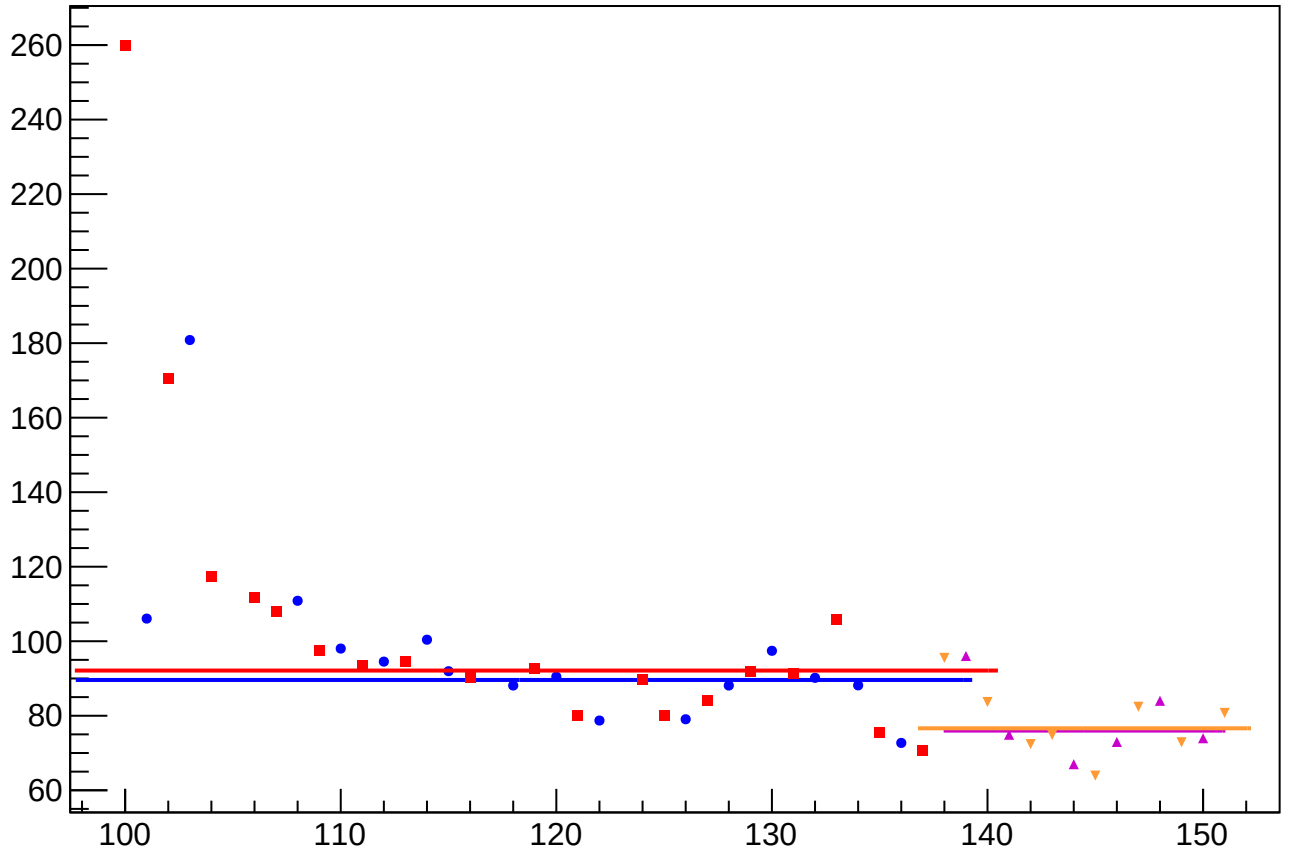
Left: 76.368+/-22.841 χ^2/NDF: 9.9/13

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 35.979+/-23.971 χ^2/NDF:25.1/21

Out: 74.276+/-23.256 χ^2/NDF:29.5/26

All: 55.707+/-16.692 χ^2/NDF: 55.9/48



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.629+/-0.022 χ^2/NDF:154287.7/7

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.012+/-0.024 χ^2/NDF:124945.2/5

Left: 76.343+/-0.016 χ^2/NDF: 279596.2/13

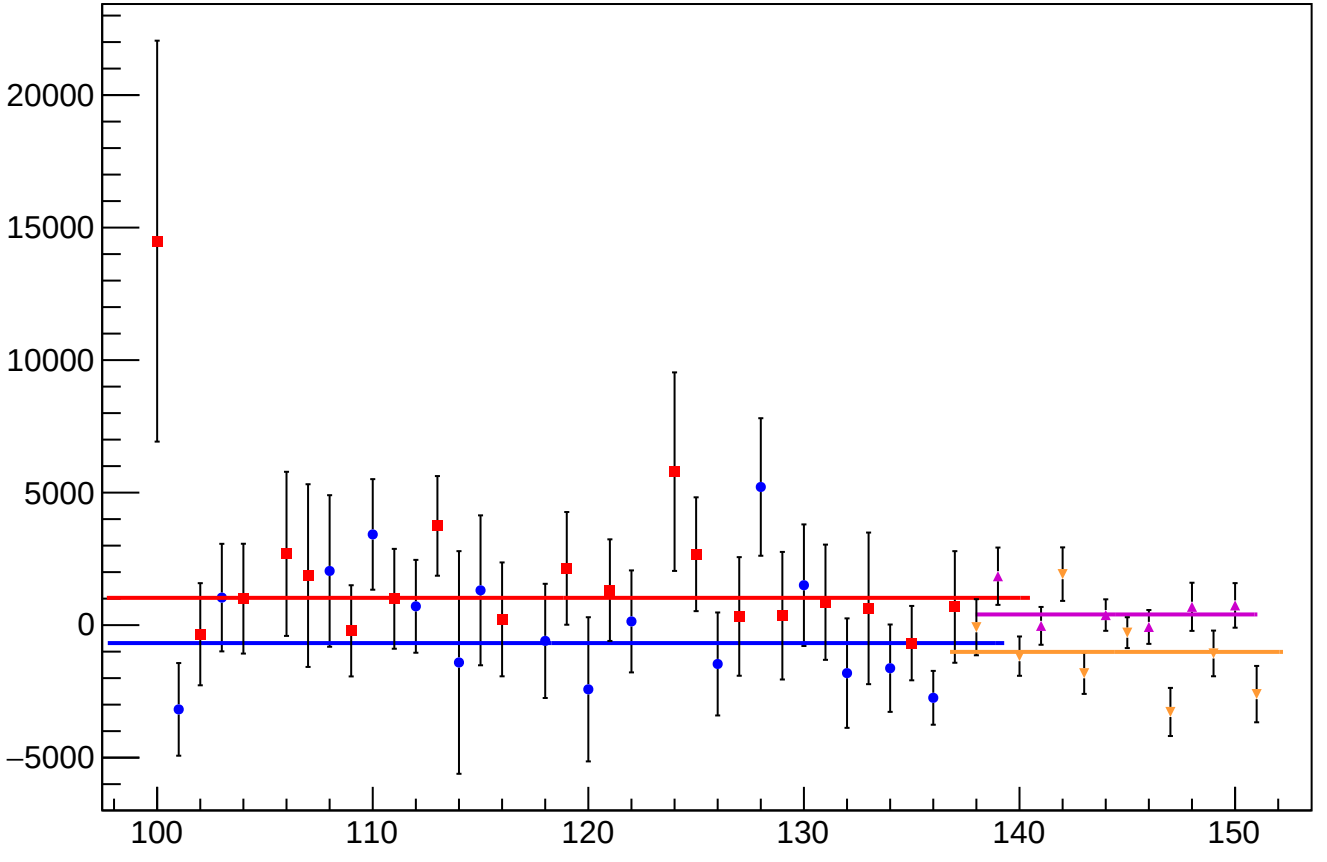
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 82.656+/-0.017 χ^2/NDF:783995.1/21

Out: 83.518+/-0.016 χ^2/NDF:913956.7/26

All: 83.100+/-0.012 χ^2/NDF: 1699284.9/48

asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1010.111+/-291.945 χ^2/NDF:20.4/7

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 402.919+/-305.342 χ^2/NDF:3.0/5

Left: -335.274+/-211.013 χ^2/NDF: 34.5/13

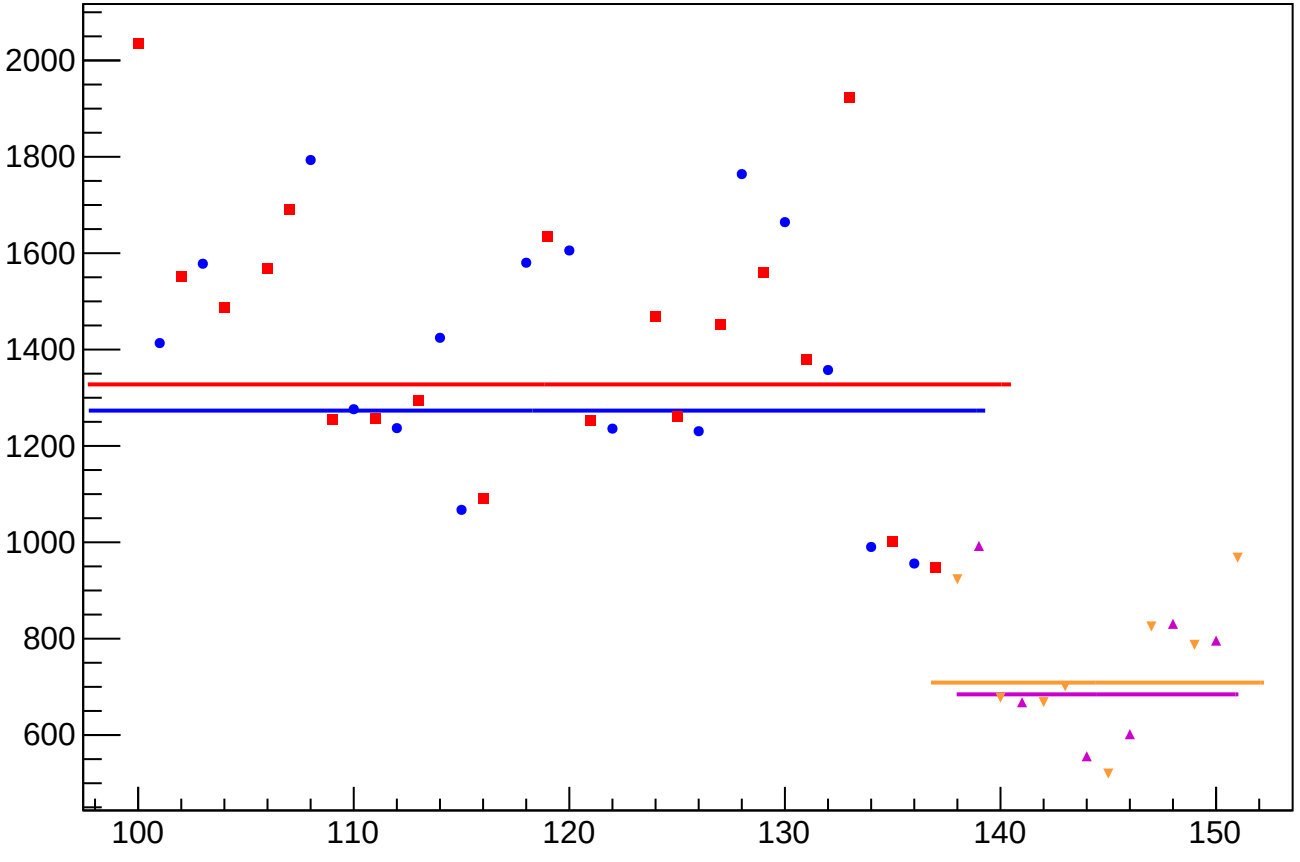
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 97.622+/-258.621 χ^2/NDF:26.8/21

Out: -486.931+/-251.730 χ^2/NDF:43.9/26

All: -202.546+/-180.387 χ^2/NDF: 73.2/48

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: 708.862+/-0.206 χ^2/NDF:468078.7/7

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 684.440+/-0.216 χ^2/NDF:377391.6/5

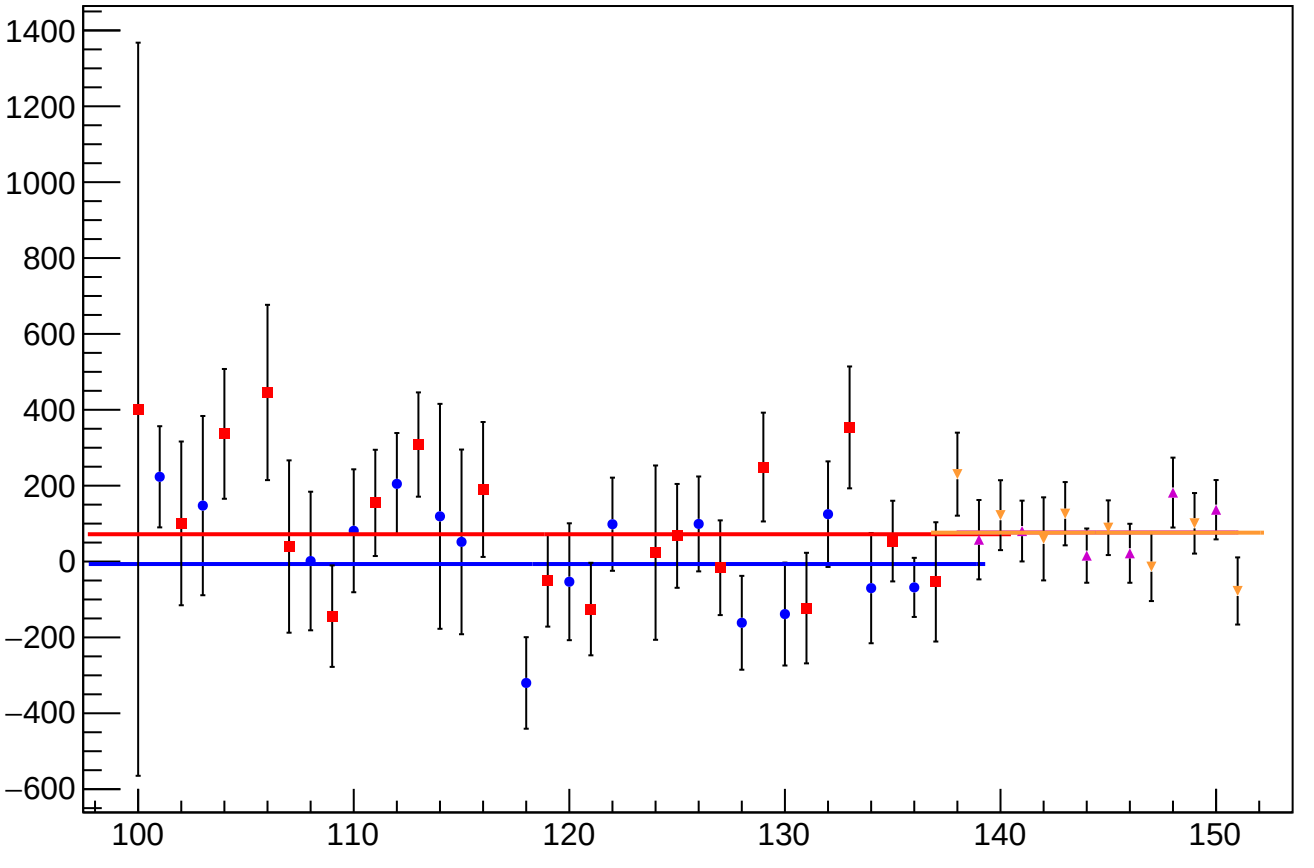
Left: 697.198+/-0.149 χ^2/NDF: 852154.4/13

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 850.867+/-0.183 χ^2/NDF:3077339.2/21

Out: 867.598+/-0.178 χ^2/NDF:3231464.5/26

All: 859.458+/-0.128 χ^2/NDF: 6313101.6/48



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 76.113+/-31.201 χ^2/NDF:6.7/7

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 76.663+/-33.527 χ^2/NDF:3.2/5

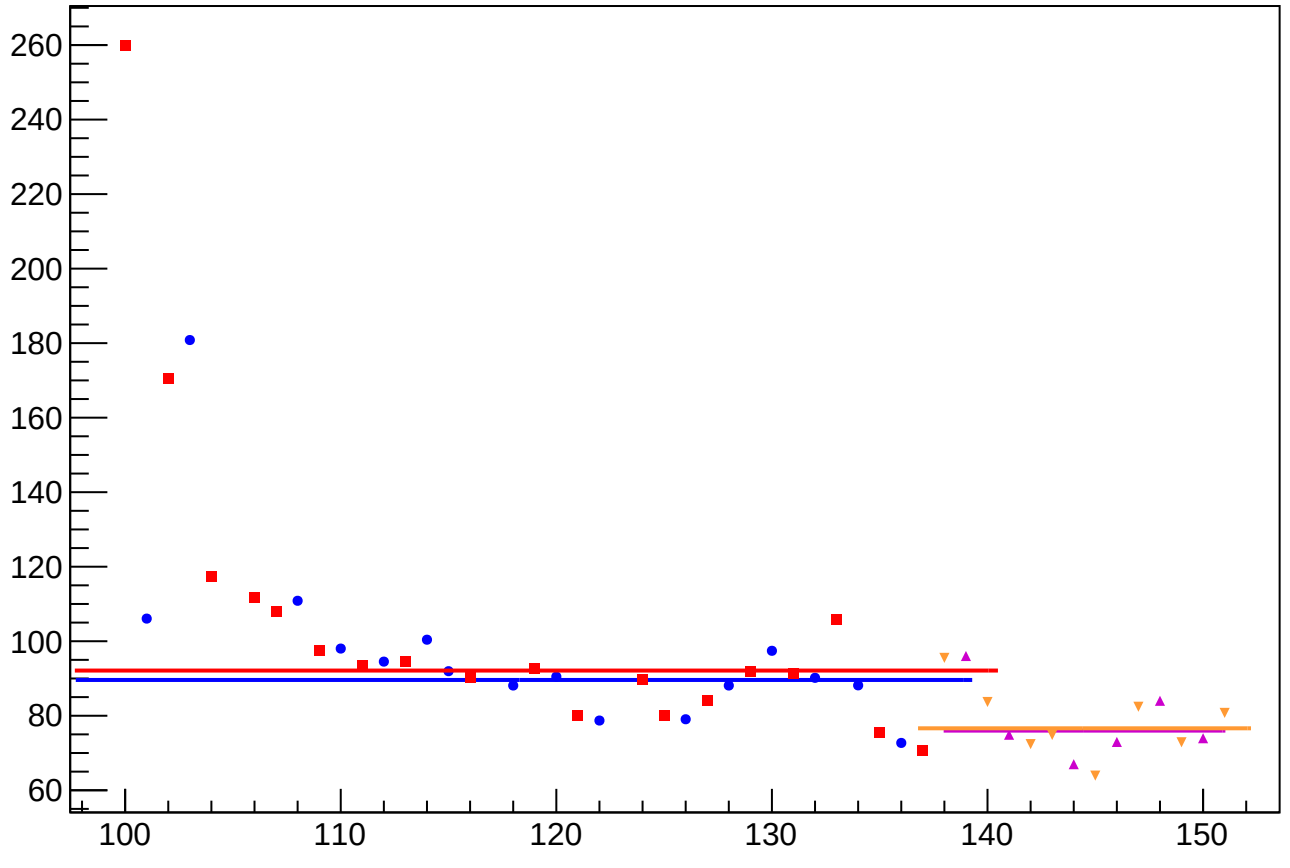
Left: 76.368+/-22.841 χ^2/NDF: 9.9/13

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 35.979+/-23.971 χ^2/NDF:25.1/21

Out: 74.276+/-23.256 χ^2/NDF:29.5/26

All: 55.707+/-16.692 χ^2/NDF: 55.9/48



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.629+/-0.022 χ^2/NDF:154287.7/7

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.012+/-0.024 χ^2/NDF:124945.2/5

Left: 76.343+/-0.016 χ^2/NDF: 279596.2/13

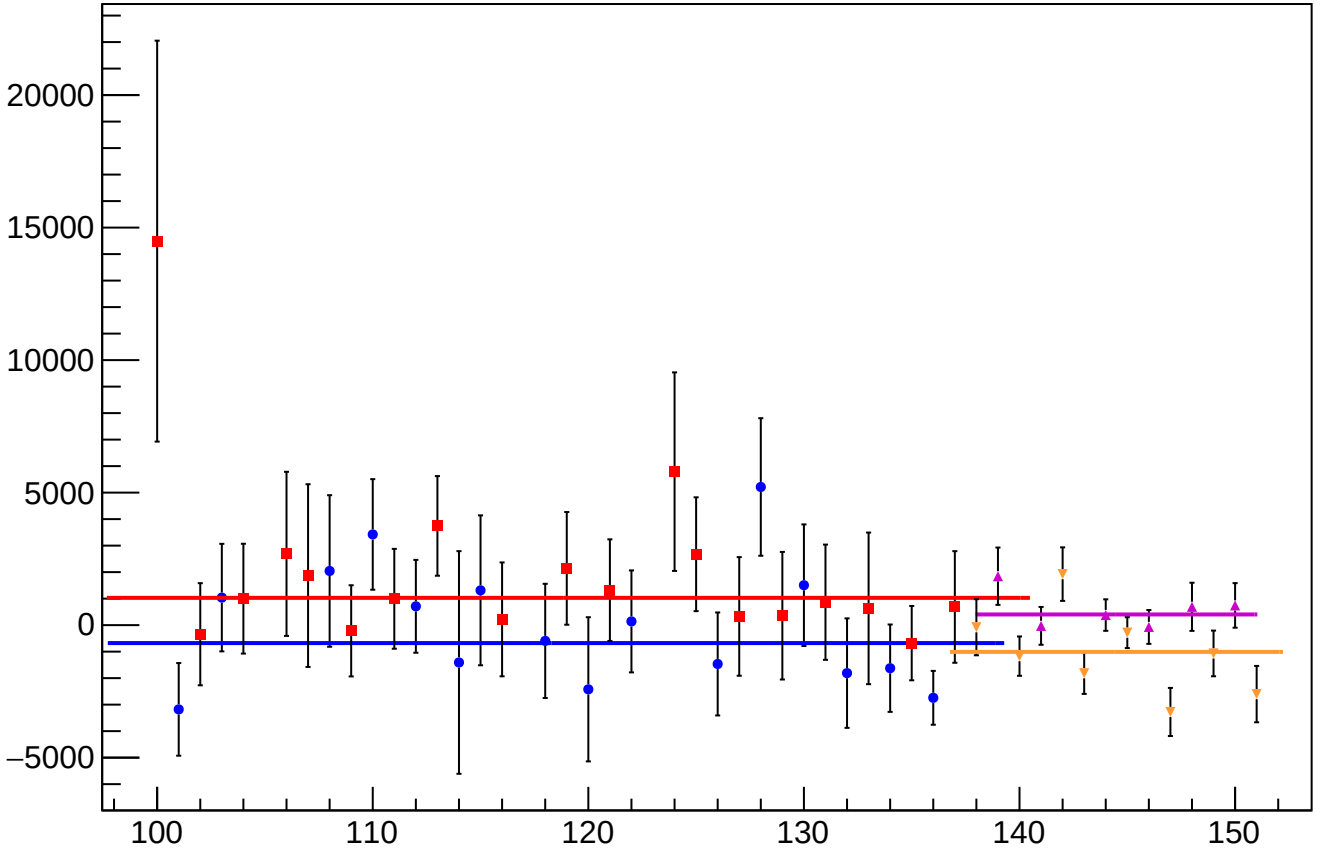
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 82.656+/-0.017 χ^2/NDF:783995.1/21

Out: 83.518+/-0.016 χ^2/NDF:913956.7/26

All: 83.100+/-0.012 χ^2/NDF: 1699284.9/48

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1010.111+/-291.945 χ^2/NDF:20.4/7

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 402.919+/-305.342 χ^2/NDF:3.0/5

Left: -335.274+/-211.013 χ^2/NDF: 34.5/13

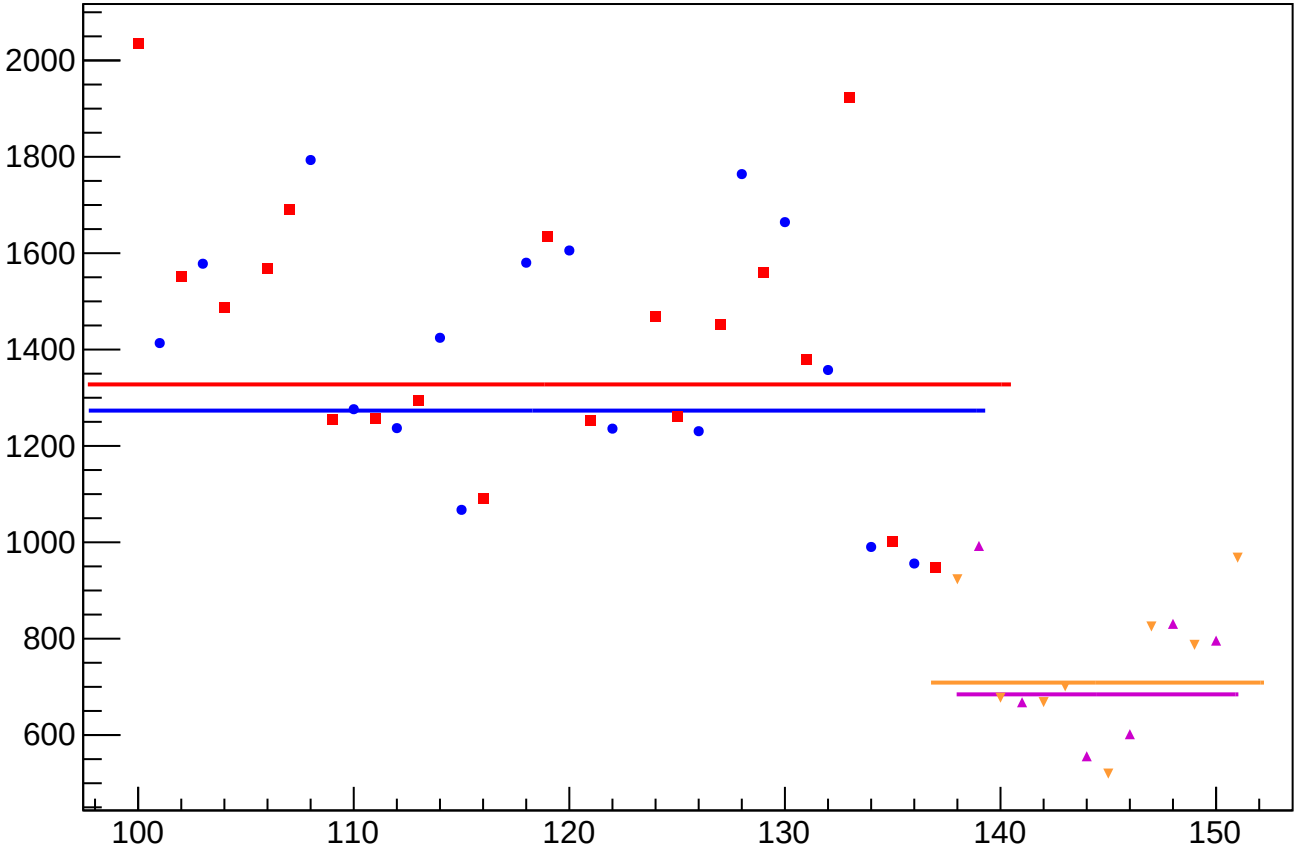
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 97.622+/-258.621 χ^2/NDF:26.8/21

Out: -486.931+/-251.730 χ^2/NDF:43.9/26

All: -202.546+/-180.387 χ^2/NDF: 73.2/48

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: 708.862+/-0.206 χ^2/NDF:468078.7/7

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 684.440+/-0.216 χ^2/NDF:377391.6/5

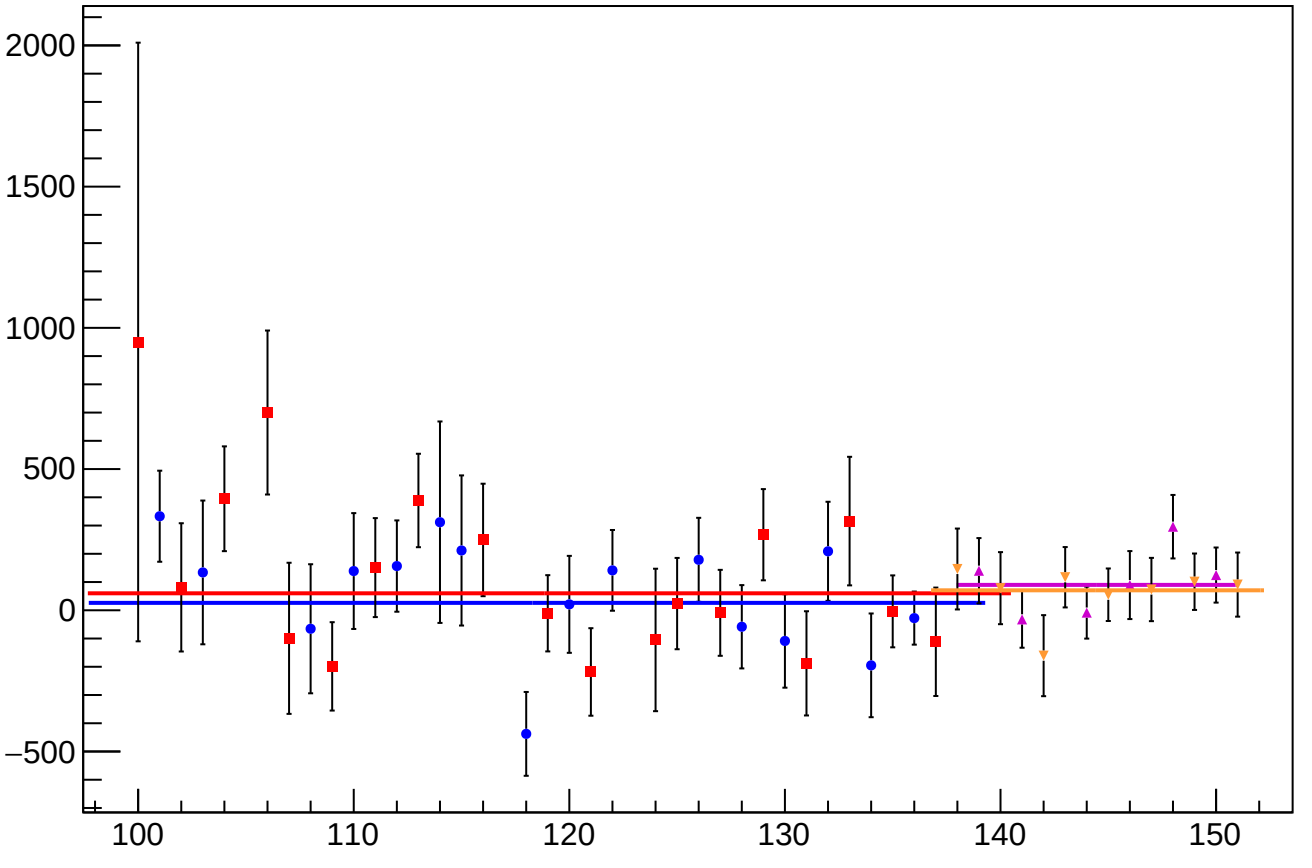
Left: 697.198+/-0.149 χ^2/NDF: 852154.4/13

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 850.867+/-0.183 χ^2/NDF:3077339.2/21

Out: 867.598+/-0.178 χ^2/NDF:3231464.5/26

All: 859.458+/-0.128 χ^2/NDF: 6313101.6/48



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 70.688+/-40.175 χ^2/NDF:3.2/7

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 89.913+/-42.828 χ^2/NDF:6.3/5

Left: 79.687+/-29.301 χ^2/NDF: 9.6/13

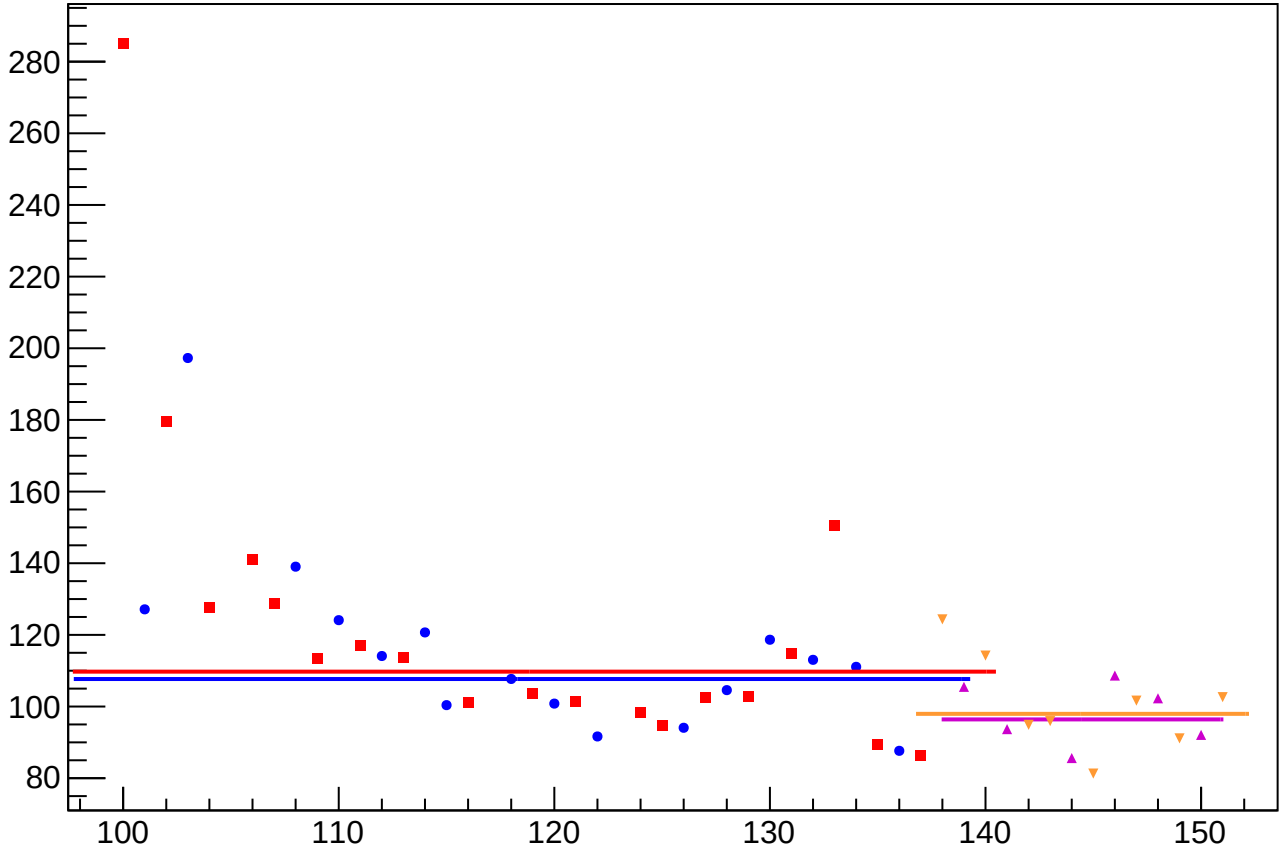
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 56.864+/-29.699 χ^2/NDF:28.8/21

Out: 65.579+/-28.875 χ^2/NDF:30.3/26

All: 61.344+/-20.703 χ^2/NDF: 59.1/48

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 97.960+/-0.028 χ^2/NDF:181162.7/7

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 96.404+/-0.030 χ^2/NDF:71355.0/5

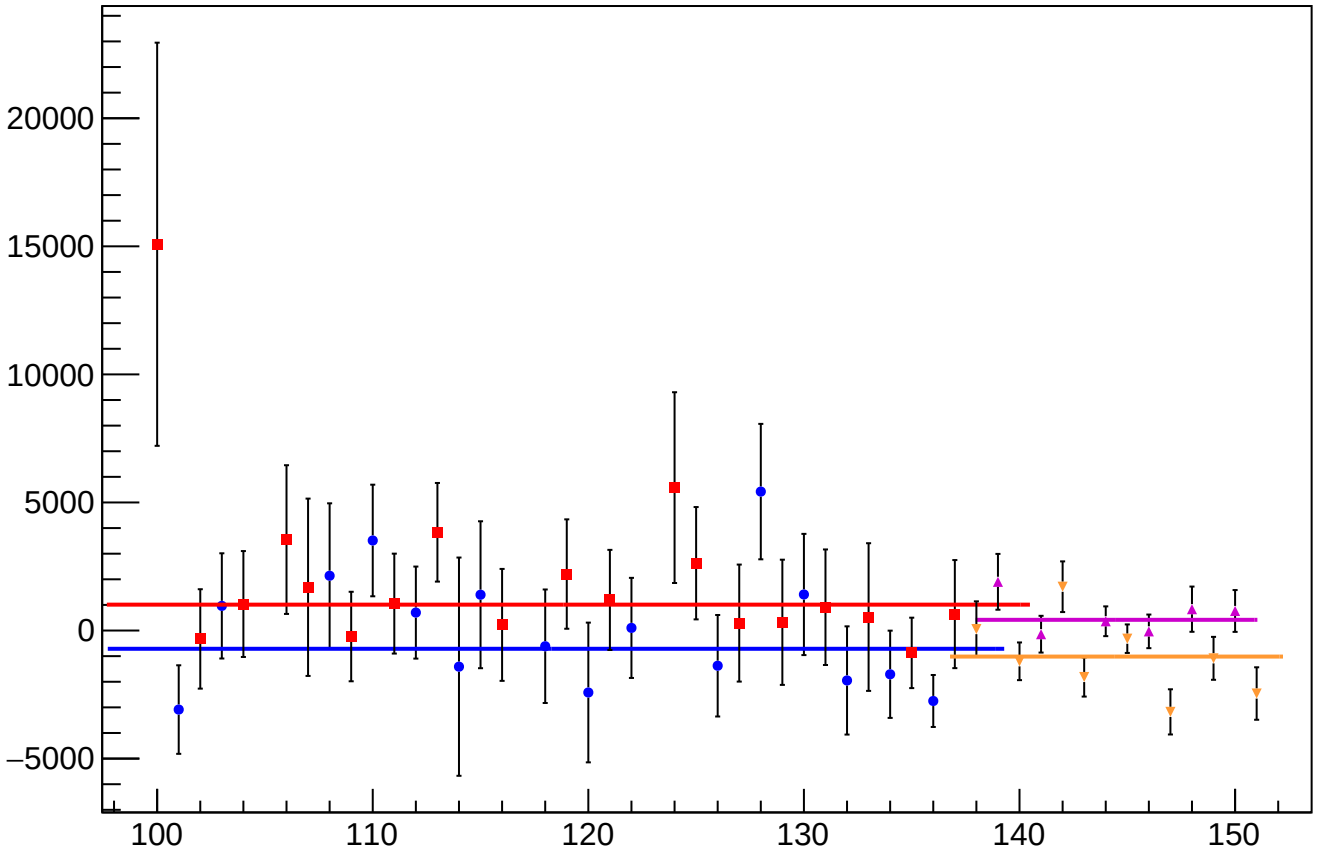
Left: 97.232+/-0.021 χ^2/NDF: 253921.0/13

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 102.258+/-0.021 χ^2/NDF:626447.6/21

Out: 103.655+/-0.020 χ^2/NDF:756074.8/26

All: 102.976+/-0.015 χ^2/NDF: 1384796.9/48



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1016.850+/-284.867 χ^2/NDF:19.3/7

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 417.943+/-303.509 χ^2/NDF:3.3/5

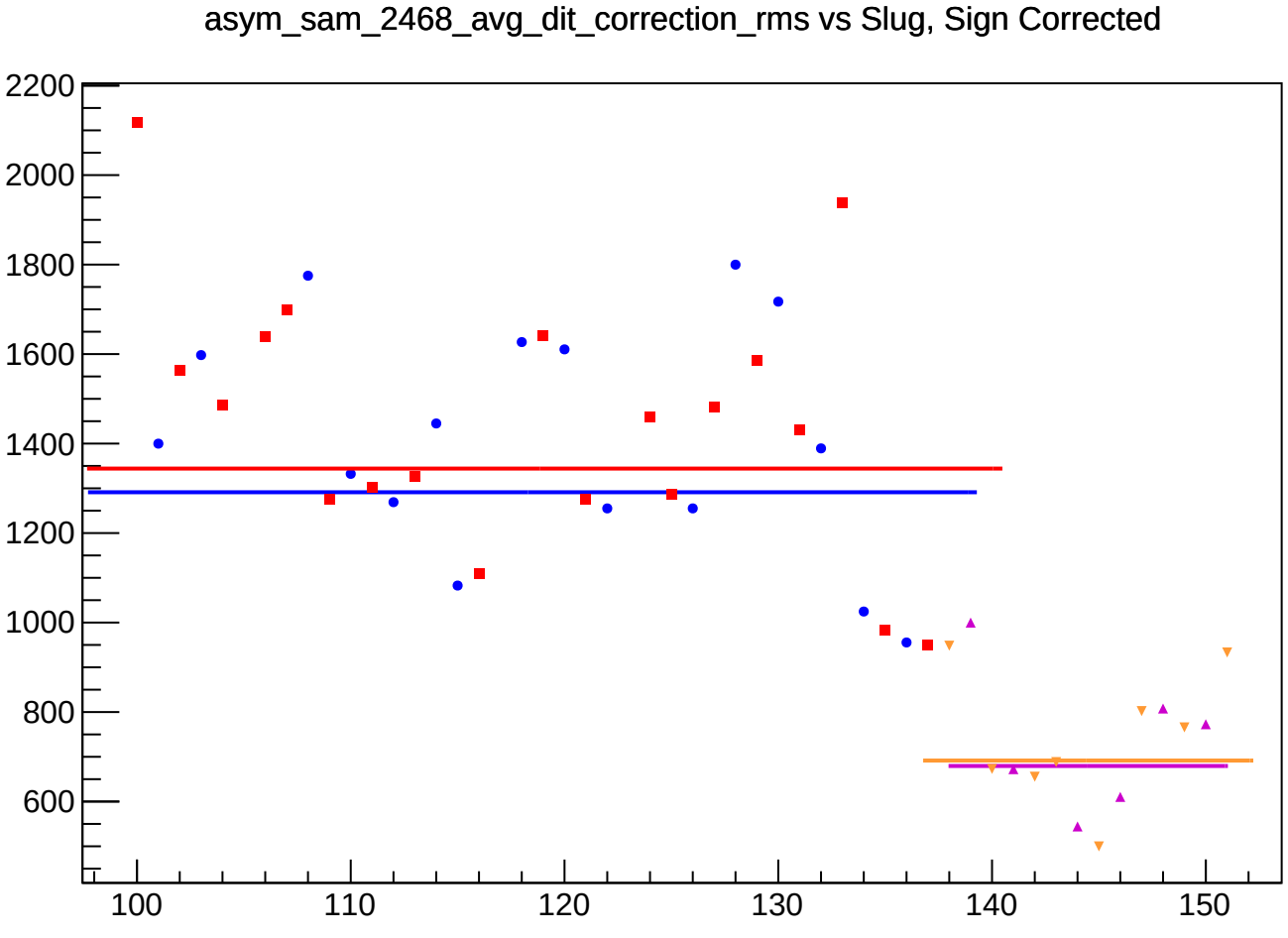
Left: -344.869+/-207.709 χ^2/NDF: 34.5/13

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 107.374+/-258.493 χ^2/NDF:27.3/21

Out: -522.083+/-247.680 χ^2/NDF:43.4/26

All: -220.795+/-178.837 χ^2/NDF: 73.8/48



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 691.636+/-0.201 χ^2/NDF:512251.5/7

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 679.492+/-0.215 χ^2/NDF:372045.1/5

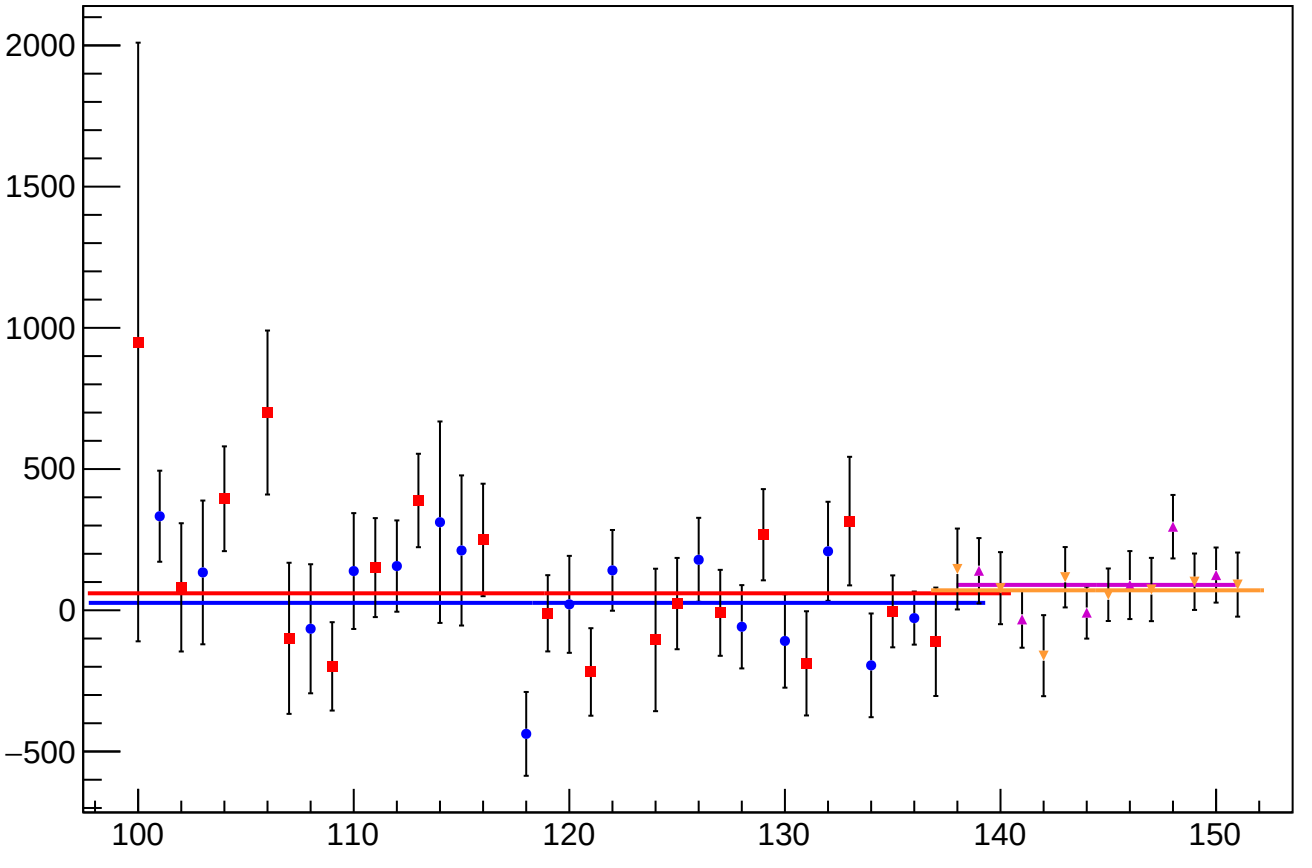
Left: 685.949+/-0.147 χ^2/NDF: 885998.9/13

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 847.496+/-0.183 χ^2/NDF:3214287.6/21

Out: 850.867+/-0.175 χ^2/NDF:3563821.0/26

All: 849.254+/-0.126 χ^2/NDF: 6778285.9/48



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 70.688+/-40.175 χ^2/NDF:3.2/7

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 89.912+/-42.828 χ^2/NDF:6.3/5

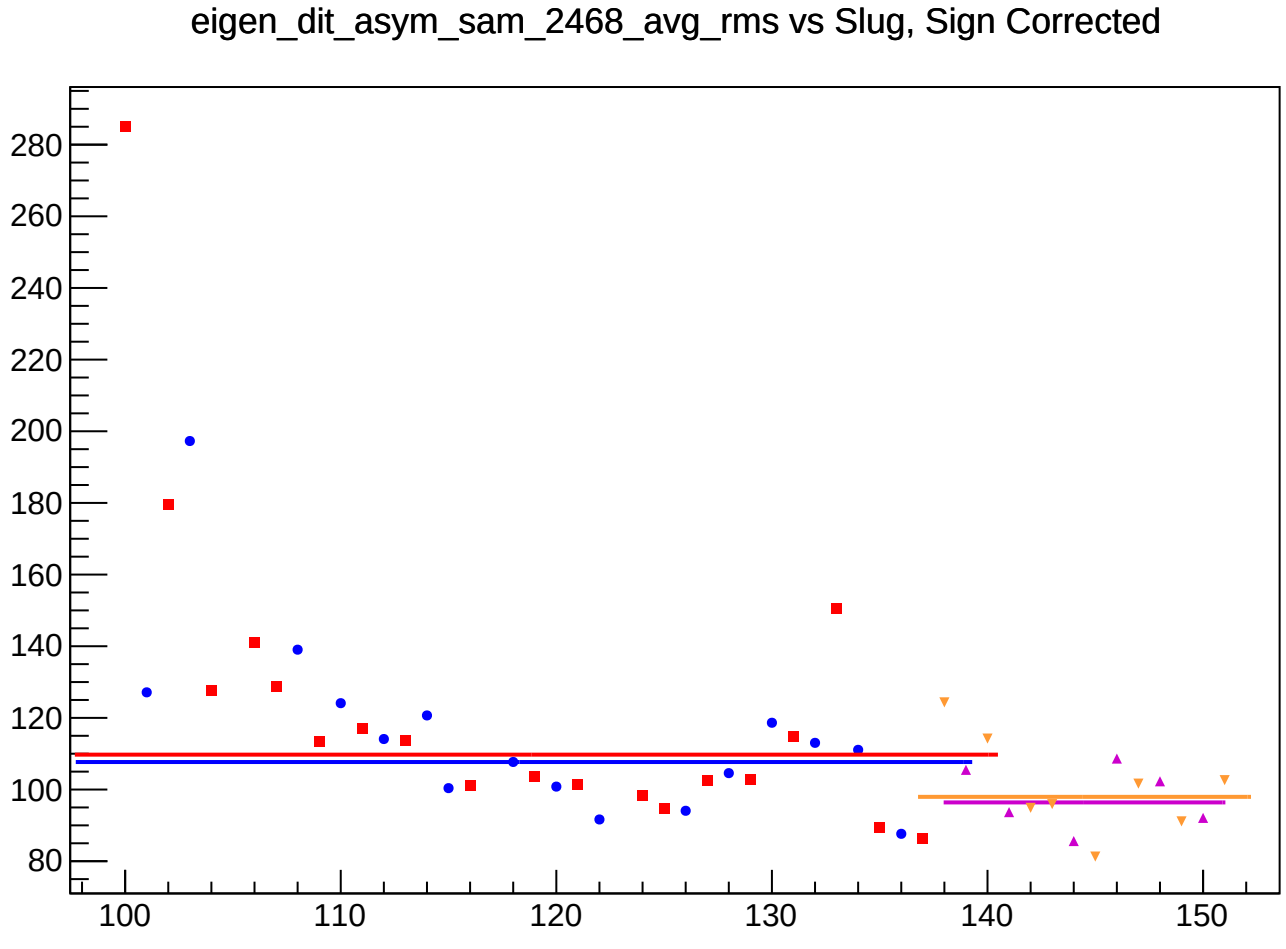
Left: 79.687+/-29.301 χ^2/NDF: 9.6/13

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

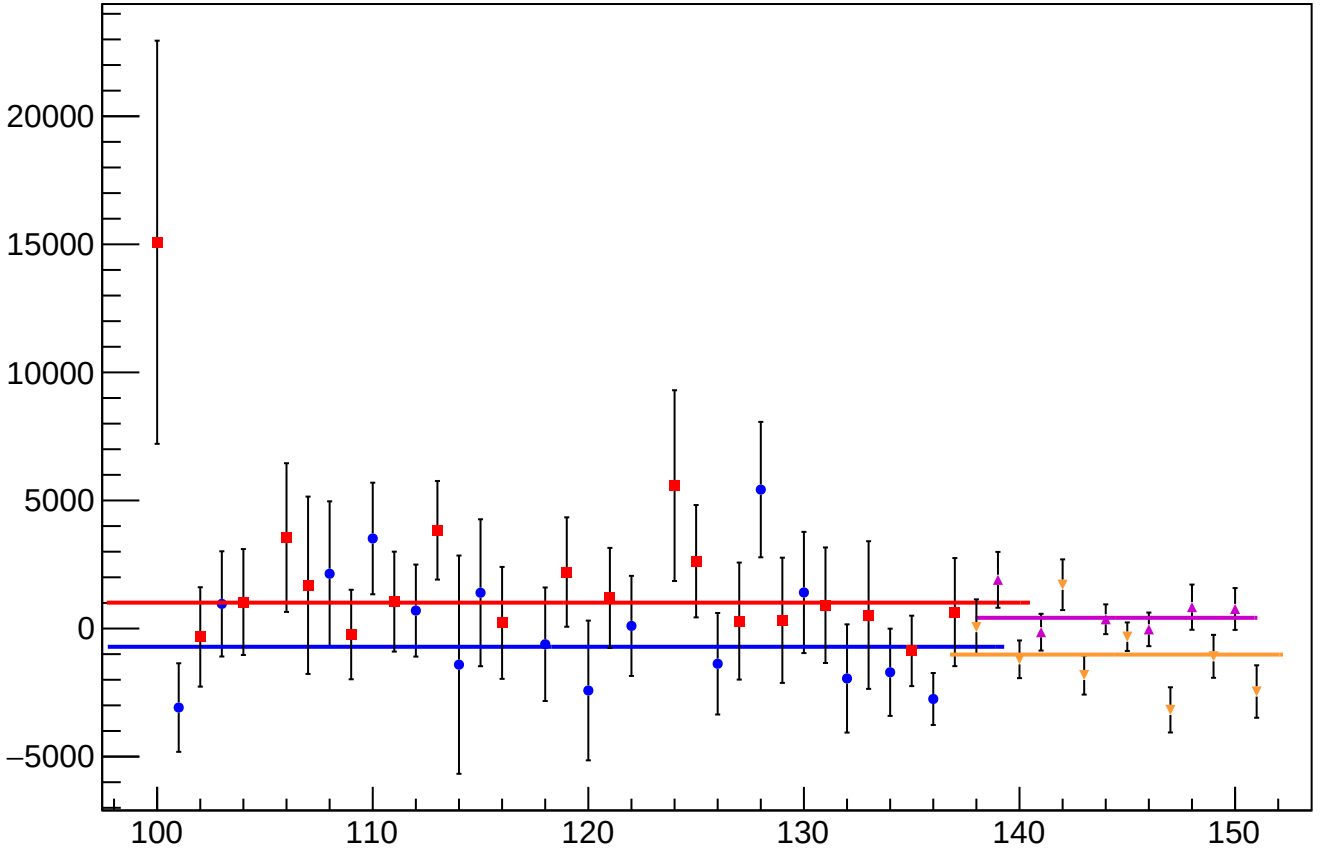
In: 56.864+/-29.699 χ^2/NDF:28.8/21

Out: 65.578+/-28.875 χ^2/NDF:30.3/26

All: 61.344+/-20.703 χ^2/NDF: 59.1/48


eigen_dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected
280
260
240
220
200
180
160
140
120
100
80
100
110
120
130
140
150
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 97.960+/-0.028 χ²/NDF:181150.4/7
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 96.405+/-0.030 χ²/NDF:71352.9/5
Left: 97.232+/-0.021 χ²/NDF: 253907.0/13
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 102.257+/-0.021 χ²/NDF:626418.5/21
Out: 103.655+/-0.020 χ²/NDF:756044.0/26
All: 102.976+/-0.015 χ²/NDF: 1384737.6/48

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: -1016.850+/-284.866 χ^2/NDF:19.3/7

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 417.942+/-303.509 χ^2/NDF:3.3/5

Left: -344.869+/-207.709 χ^2/NDF: 34.5/13

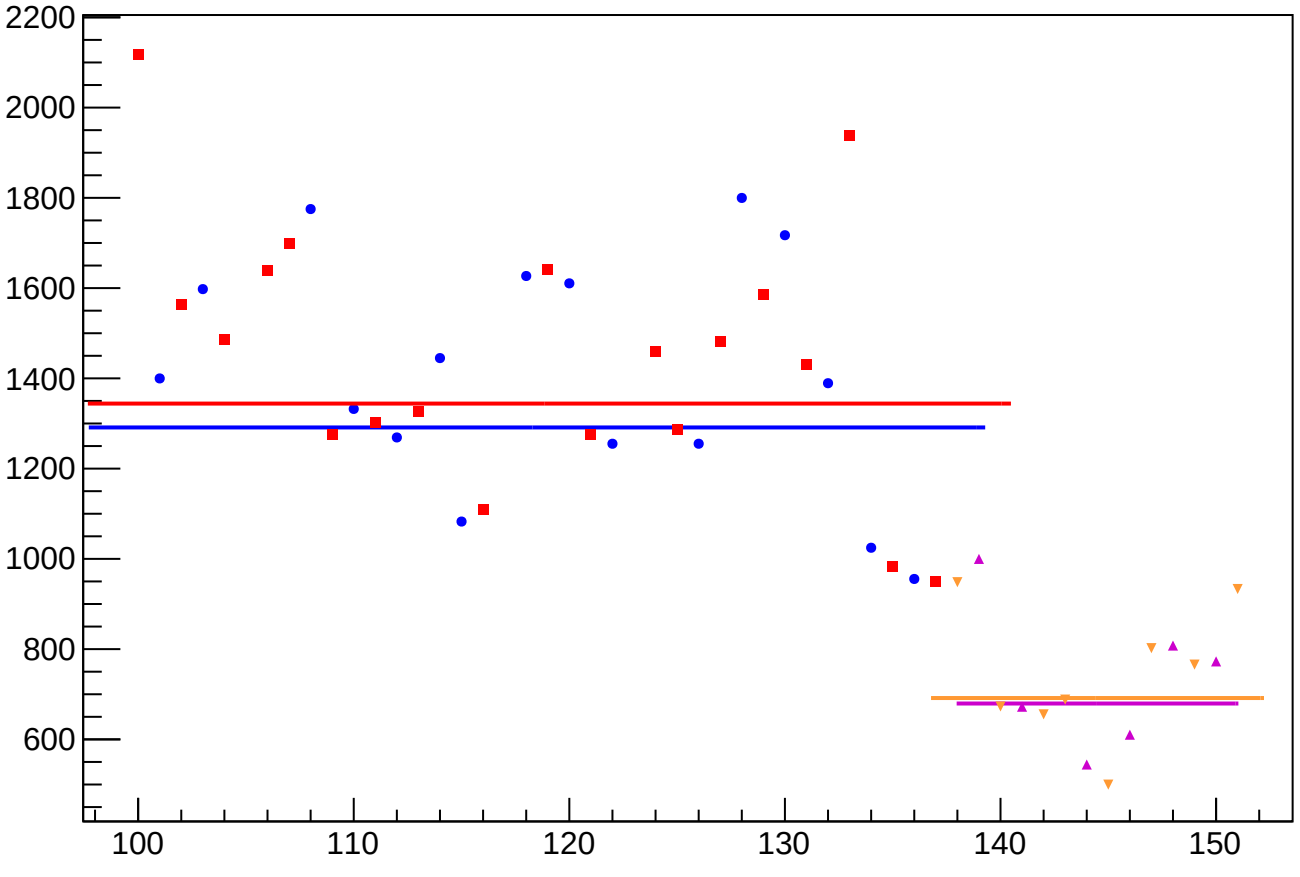
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 107.375+/-258.493 χ^2/NDF:27.3/21

Out: -522.083+/-247.680 χ^2/NDF:43.4/26

All: -220.795+/-178.837 χ^2/NDF: 73.8/48

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: 691.634+/-0.201 χ^2/NDF:512255.7/7

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 679.491+/-0.215 χ^2/NDF:372044.5/5

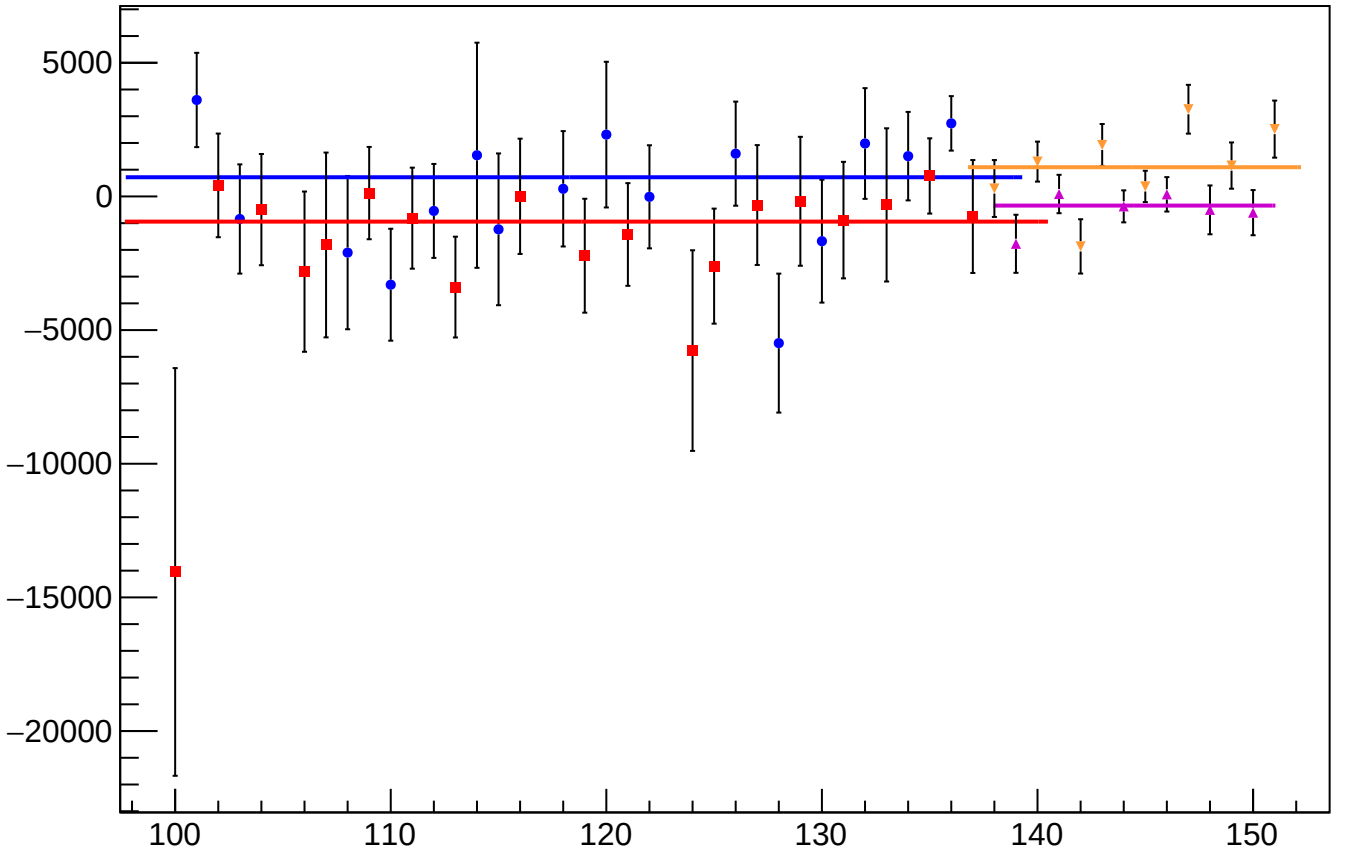
Left: 685.947+/-0.147 χ^2/NDF: 886002.3/13

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 847.495+/-0.183 χ^2/NDF:3214279.7/21

Out: 850.865+/-0.175 χ^2/NDF:3563825.1/26

All: 849.252+/-0.126 χ^2/NDF: 6778282.1/48



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1093.189+/-293.770 χ^2/NDF:19.2/7

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -342.490+/-307.337 χ^2/NDF:2.7/5

Left: 407.737+/-212.361 χ^2/NDF: 33.3/13

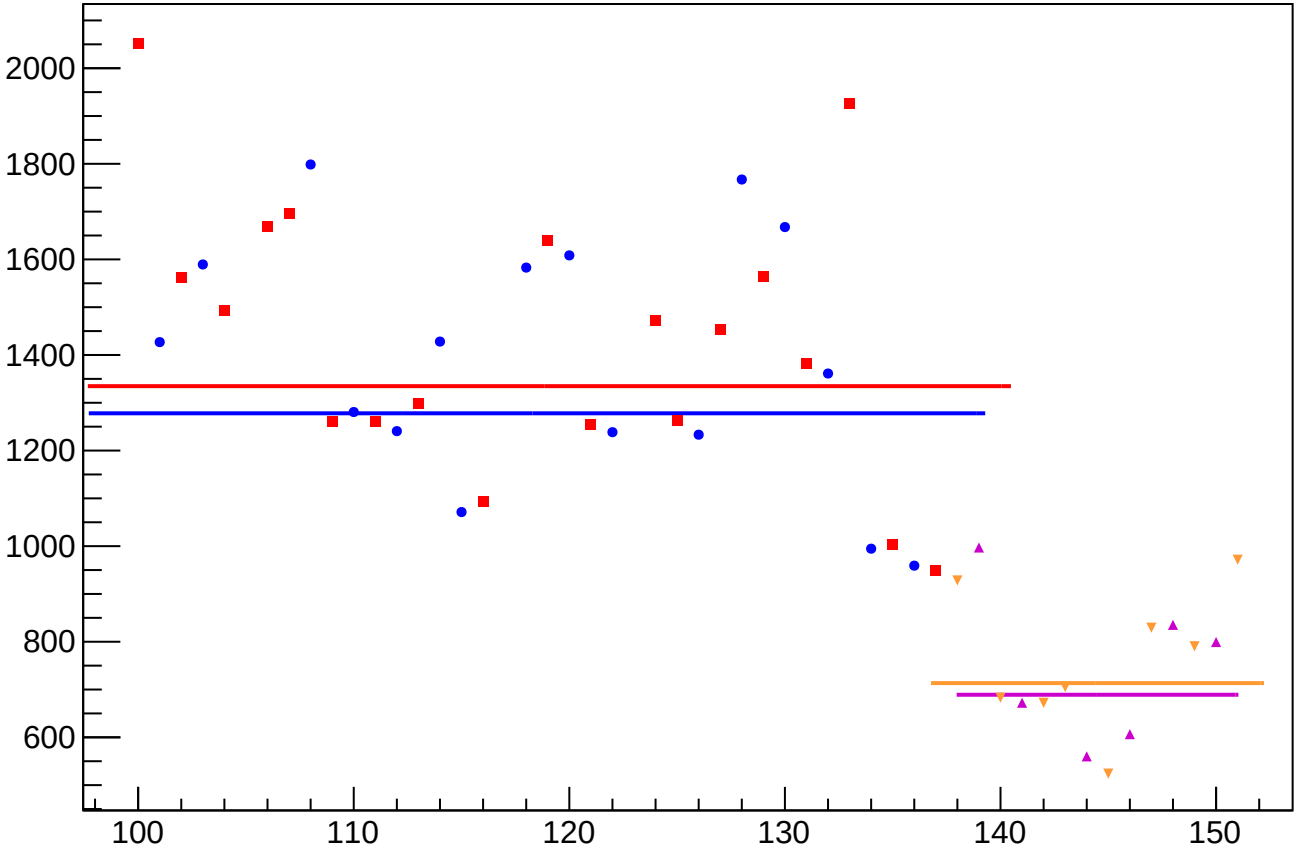
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: -41.638+/-260.096 χ^2/NDF:27.0/21

Out: 567.807+/-253.033 χ^2/NDF:42.2/26

All: 271.472+/-181.367 χ^2/NDF: 72.0/48

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 713.475+/-0.208 χ^2/NDF:462121.3/7

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 689.078+/-0.217 χ^2/NDF:372927.7/5

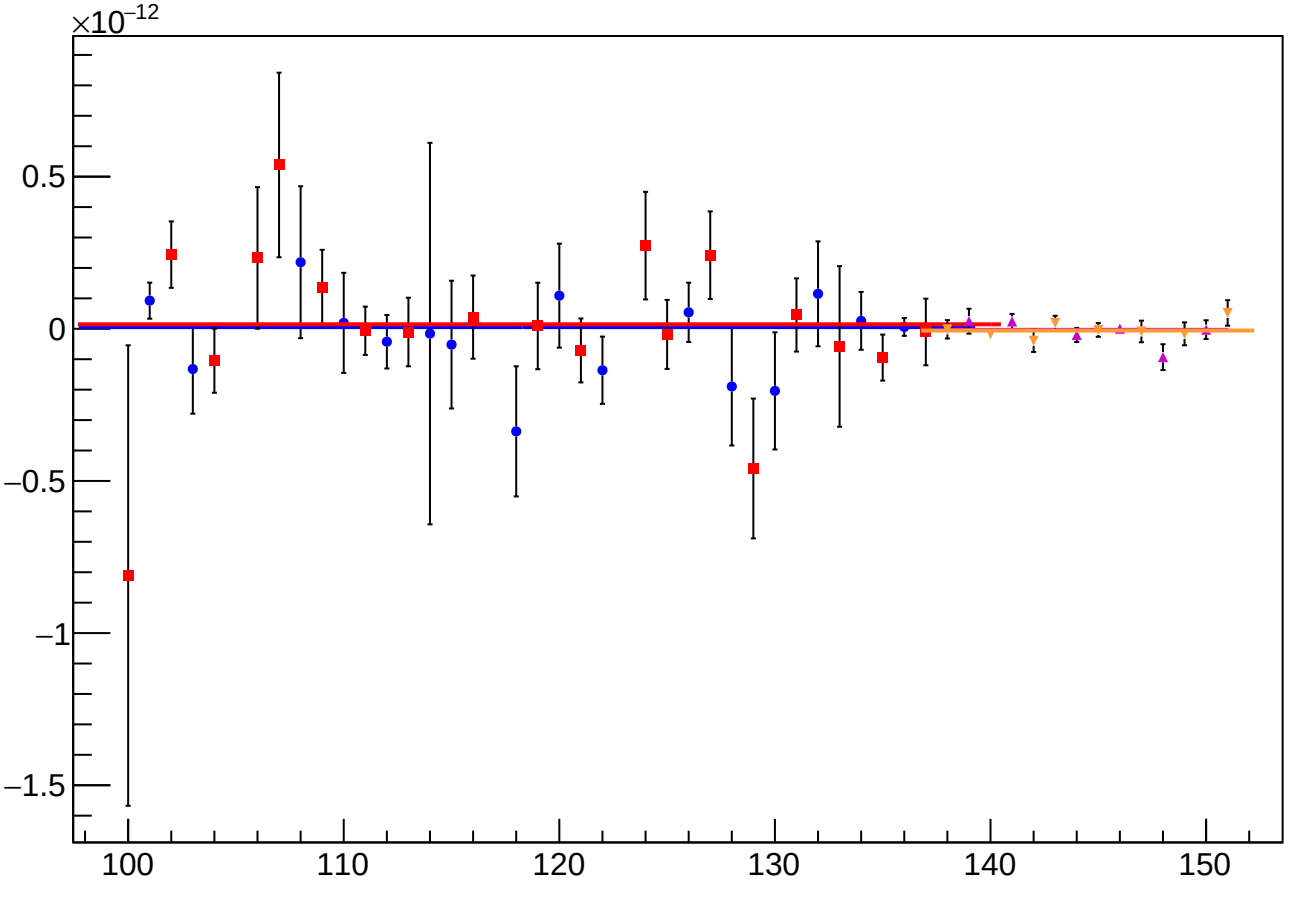
Left: 701.827+/-0.150 χ^2/NDF: 841634.6/13

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 856.205+/-0.184 χ^2/NDF:3054544.8/21

Out: 873.839+/-0.179 χ^2/NDF:3243015.0/26

All: 865.265+/-0.128 χ^2/NDF: 6302283.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/5

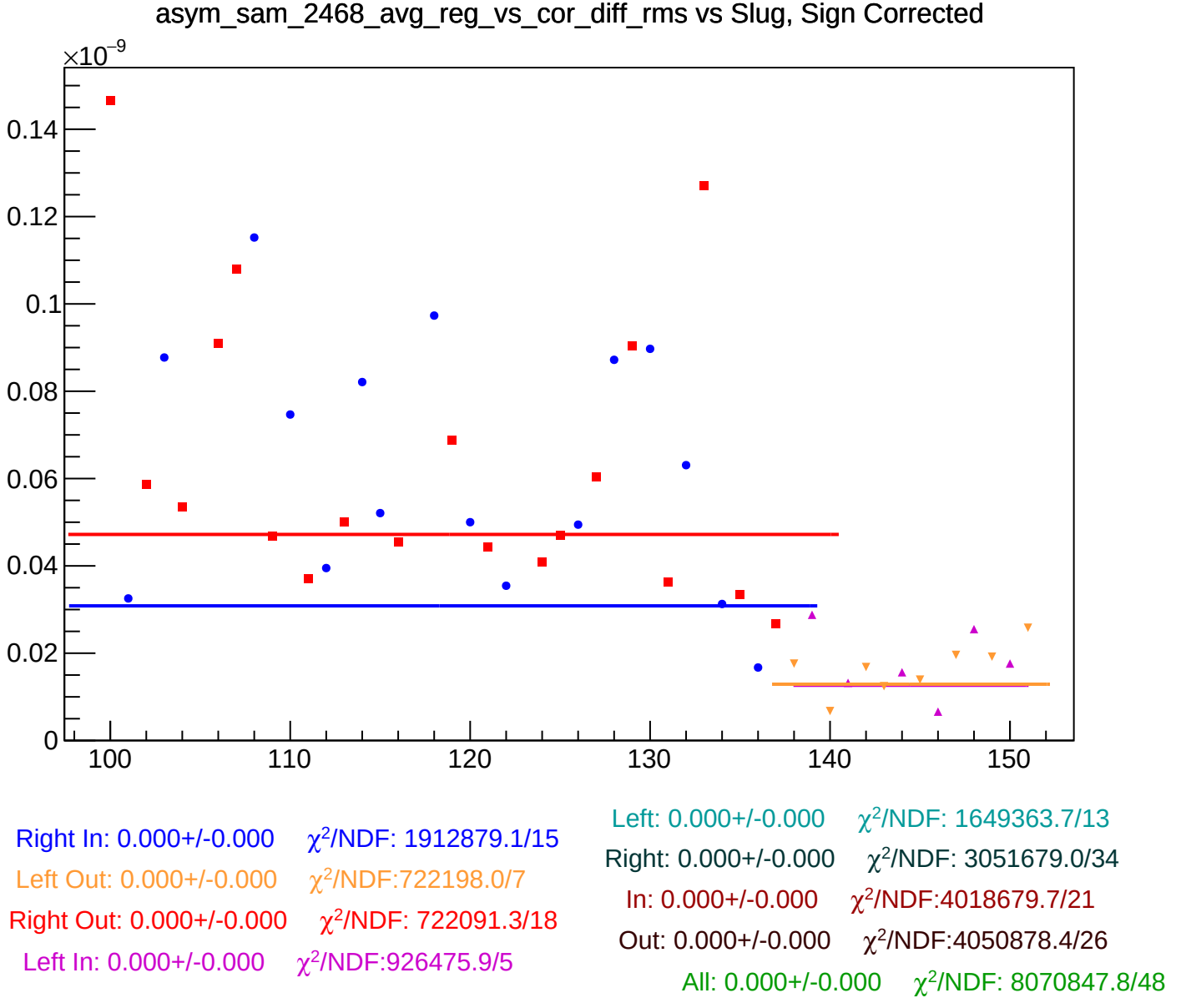
Left: -0.000+/-0.000 χ^2/NDF: 11.3/13

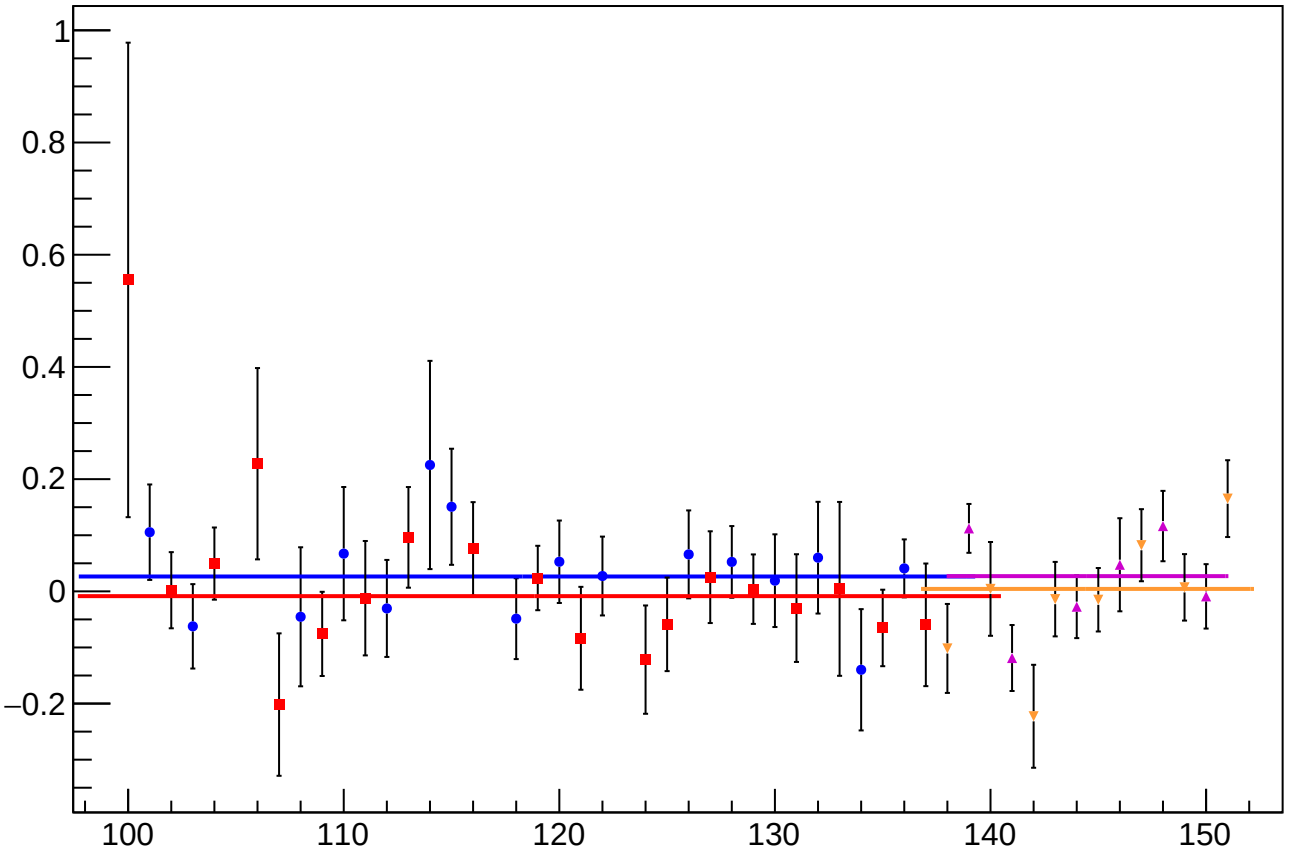
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:18.6/21

Out: -0.000+/-0.000 χ^2/NDF:28.8/26

All: -0.000+/-0.000 χ^2/NDF: 47.3/48


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:722198.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:926475.9/5
Left: 0.000+/-0.000 χ²/NDF: 1649363.7/13
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4018679.7/21
Out: 0.000+/-0.000 χ²/NDF:4050878.4/26
All: 0.000+/-0.000 χ²/NDF: 8070847.8/48



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.027+/-0.023 χ^2/NDF:13.4/5

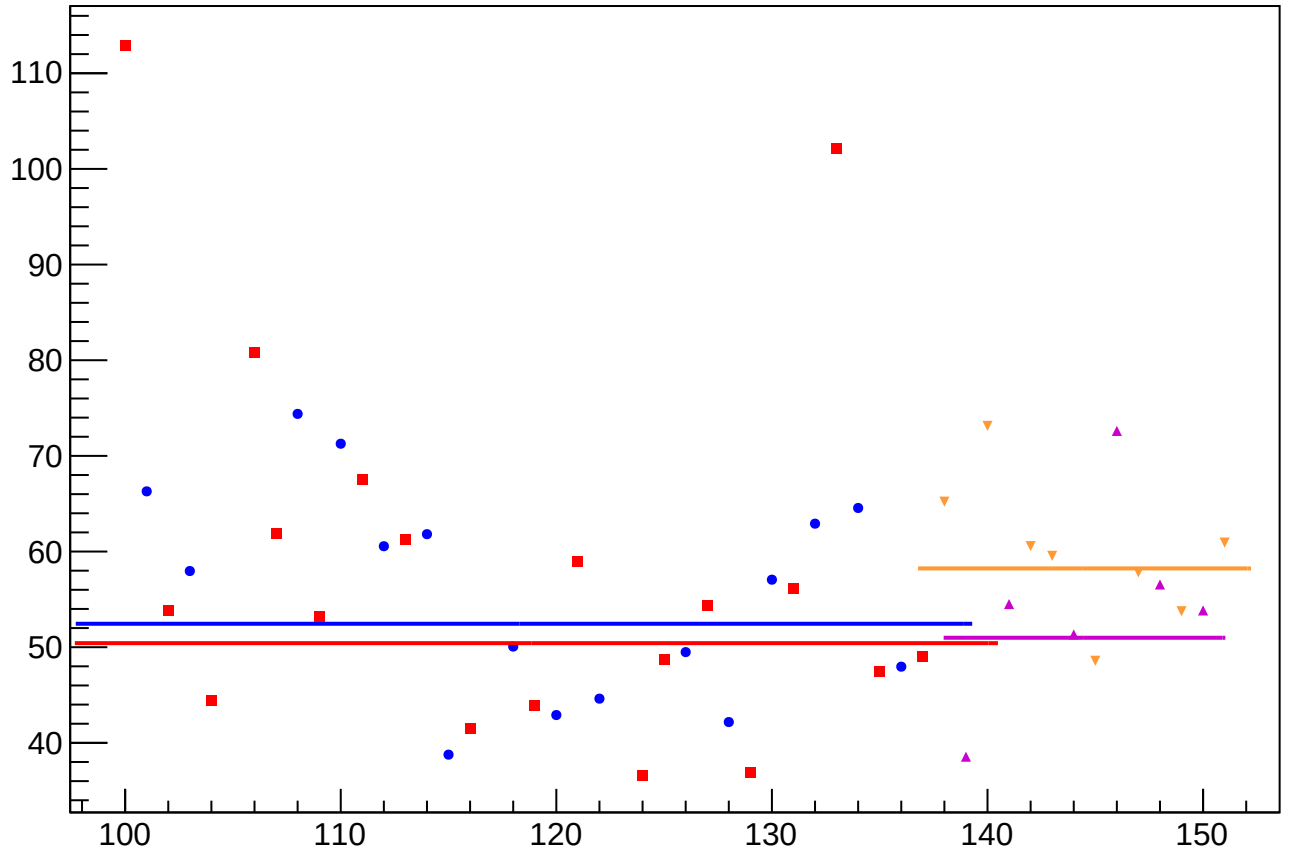
Left: 0.016+/-0.017 χ^2/NDF: 29.0/13

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.015 χ^2/NDF:23.3/21

Out: -0.003+/-0.015 χ^2/NDF:29.2/26

All: 0.011+/-0.011 χ^2/NDF: 54.5/48



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 58.235+/-0.017 χ^2/NDF:154002.7/7

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.988+/-0.016 χ^2/NDF:326827.7/5

Left: 54.471+/-0.012 χ^2/NDF: 573652.0/13

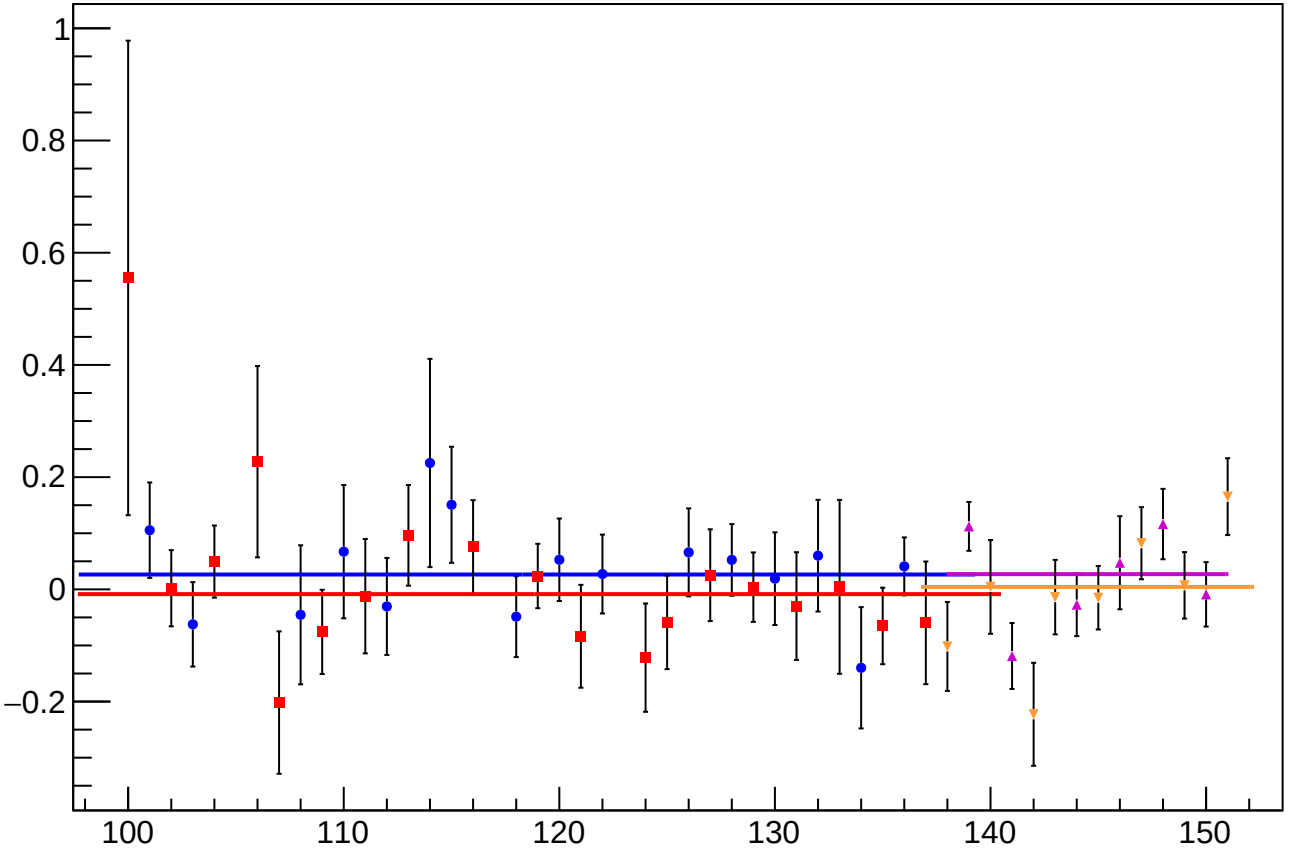
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.817+/-0.011 χ^2/NDF:749300.5/21

Out: 53.487+/-0.011 χ^2/NDF:956953.9/26

All: 52.661+/-0.008 χ^2/NDF: 1718222.8/48

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: 0.004+/-0.024 χ^2/NDF:15.1/7

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.027+/-0.023 χ^2/NDF:13.4/5

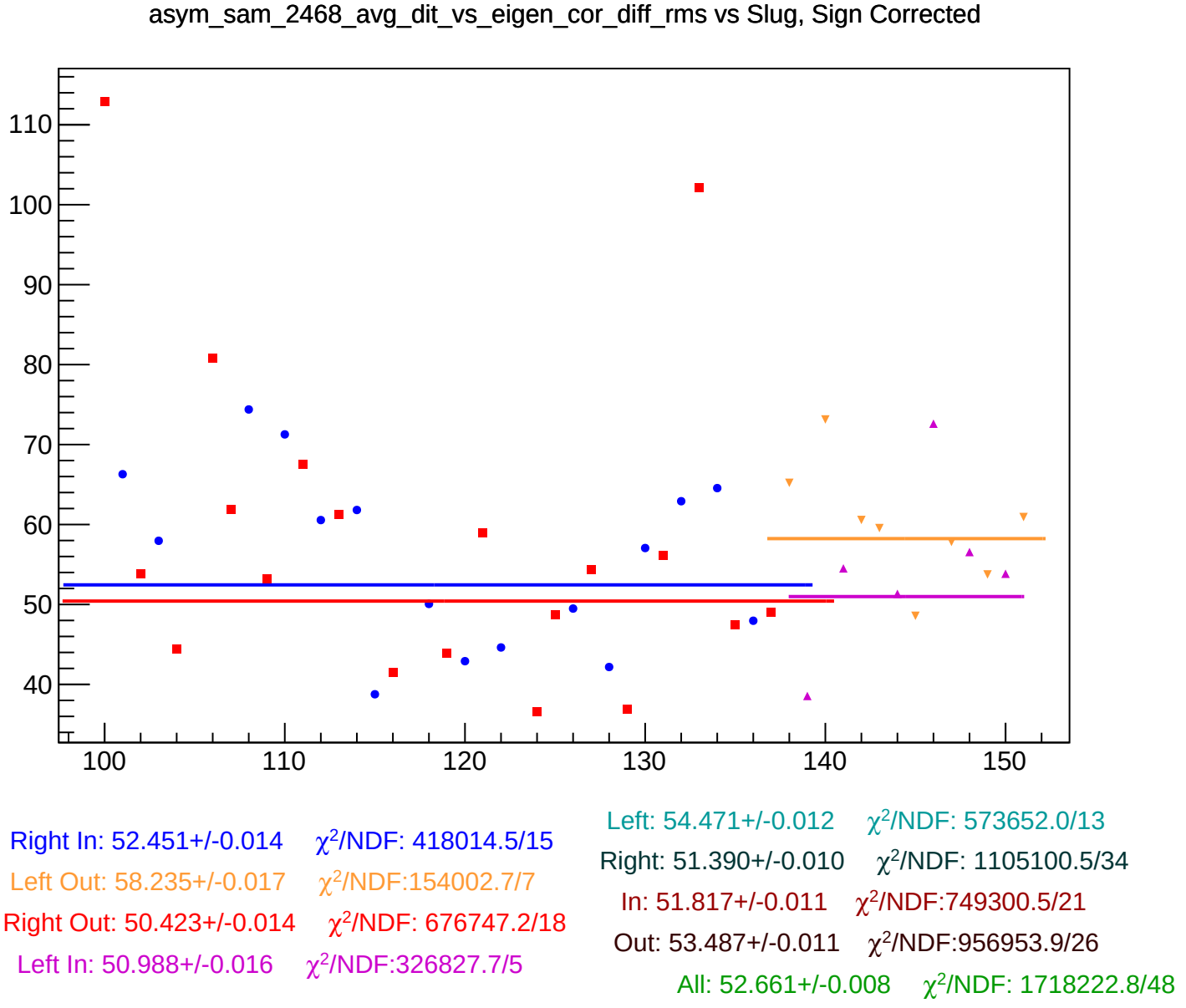
Left: 0.016+/-0.017 χ^2/NDF: 29.0/13

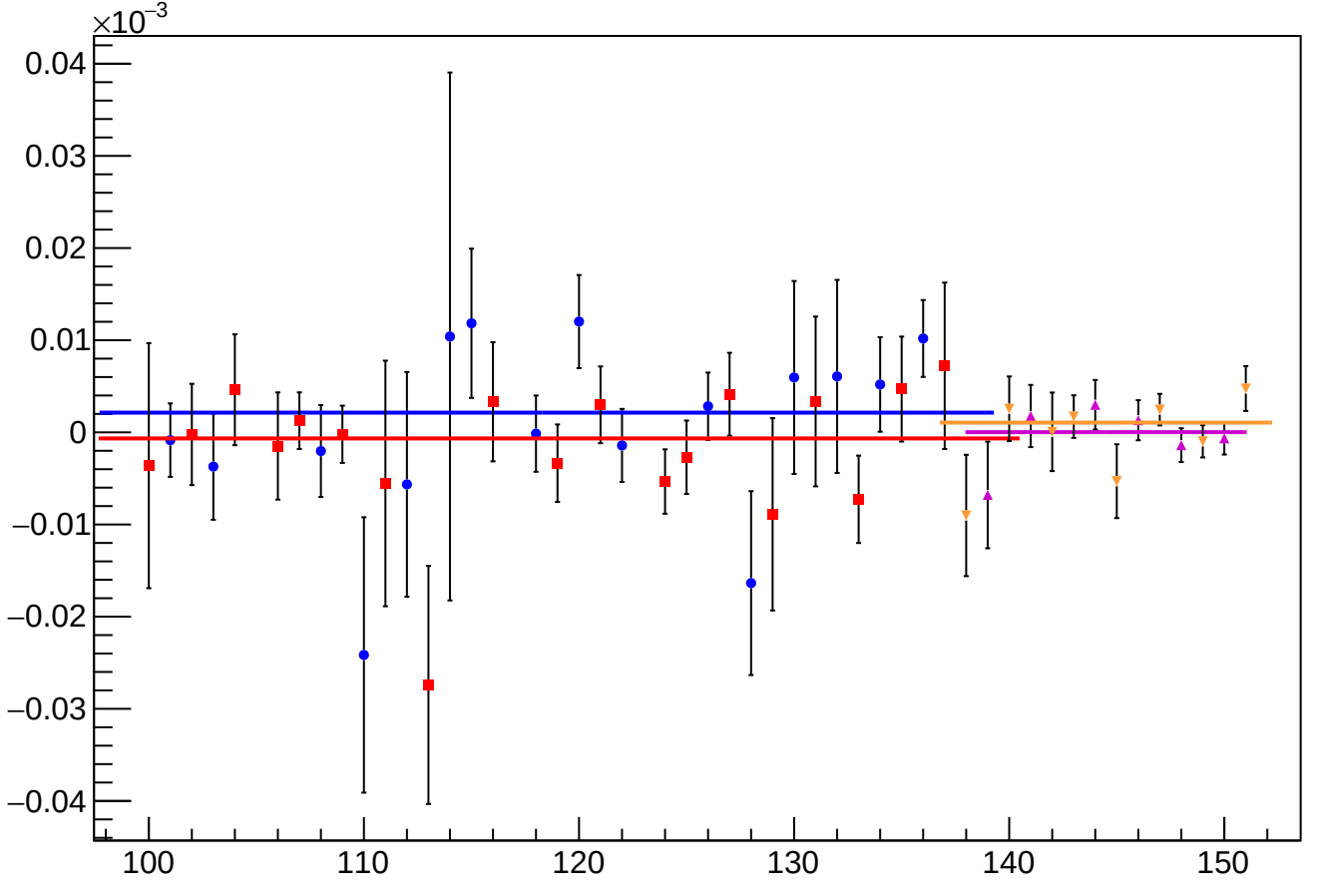
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.015 χ^2/NDF:23.3/21

Out: -0.003+/-0.015 χ^2/NDF:29.2/26

All: 0.011+/-0.011 χ^2/NDF: 54.5/48


asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
110
100
90
80
70
60
50
40
100
110
120
130
140
150
Right In: 52.451+/-0.014 χ²/NDF: 418014.5/15
Left Out: 58.235+/-0.017 χ²/NDF:154002.7/7
Right Out: 50.423+/-0.014 χ²/NDF: 676747.2/18
Left In: 50.988+/-0.016 χ²/NDF:326827.7/5
Left: 54.471+/-0.012 χ²/NDF: 573652.0/13
Right: 51.390+/-0.010 χ²/NDF: 1105100.5/34
In: 51.817+/-0.011 χ²/NDF:749300.5/21
Out: 53.487+/-0.011 χ²/NDF:956953.9/26
All: 52.661+/-0.008 χ²/NDF: 1718222.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/5

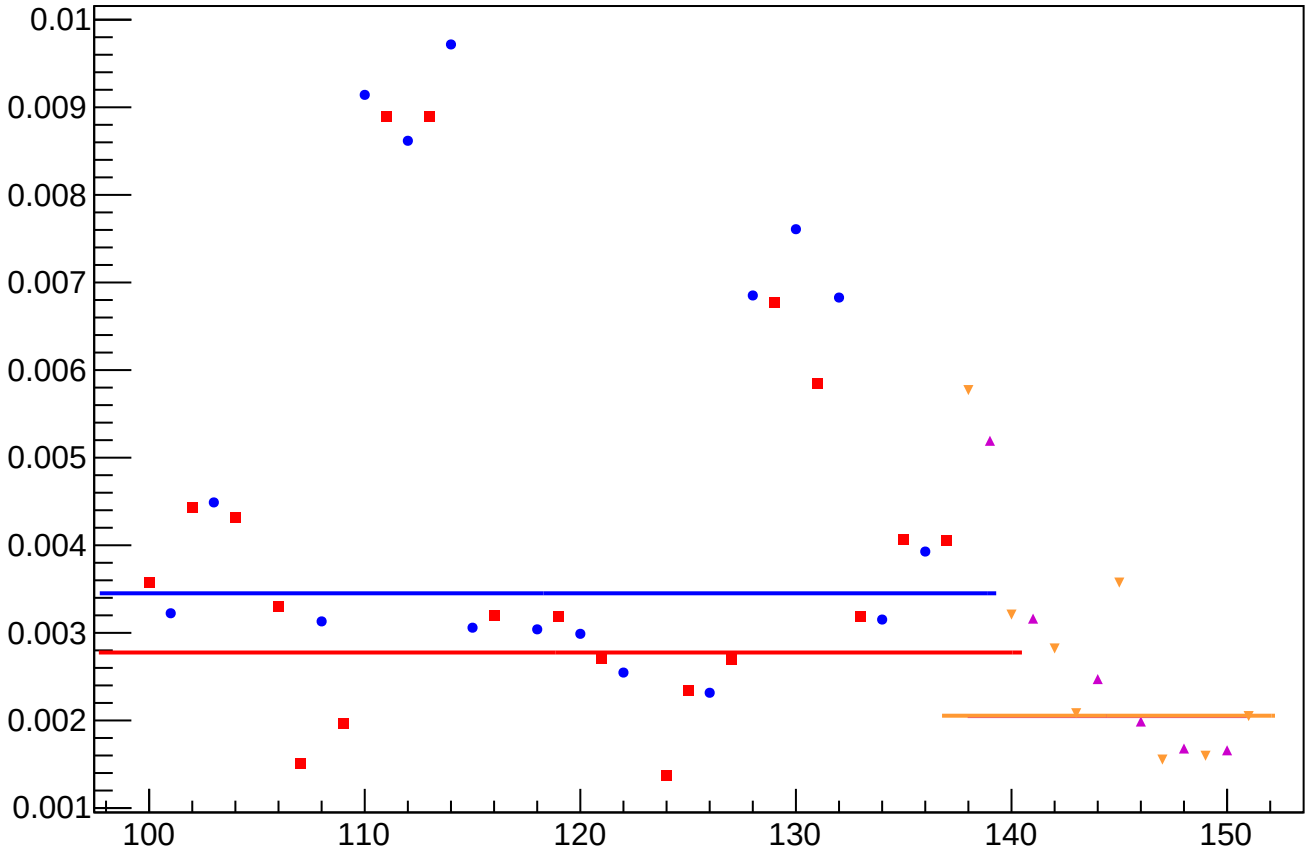
Left: 0.000+/-0.000 χ^2/NDF: 14.1/13

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:25.6/21

Out: 0.000+/-0.000 χ^2/NDF:25.7/26

All: 0.000+/-0.000 χ^2/NDF: 51.4/48



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1515508.3/7

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1039029.2/5

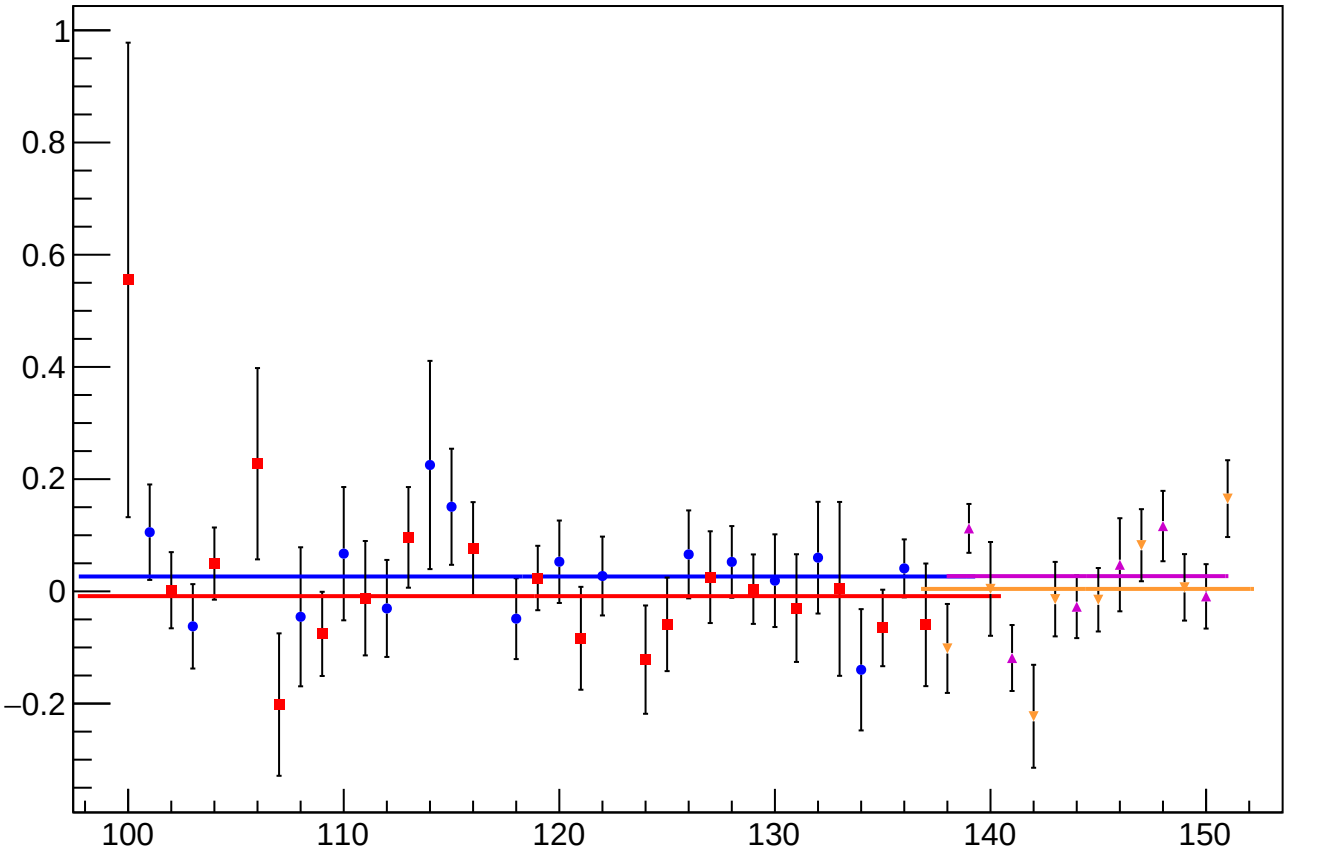
Left: 0.002+/-0.000 χ^2/NDF: 2554558.0/13

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:4374303.8/21

Out: 0.002+/-0.000 χ^2/NDF:4741434.9/26

All: 0.002+/-0.000 χ^2/NDF: 9171297.0/48



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.027+/-0.023 χ^2/NDF:13.4/5

Left: 0.016+/-0.017 χ^2/NDF: 29.0/13

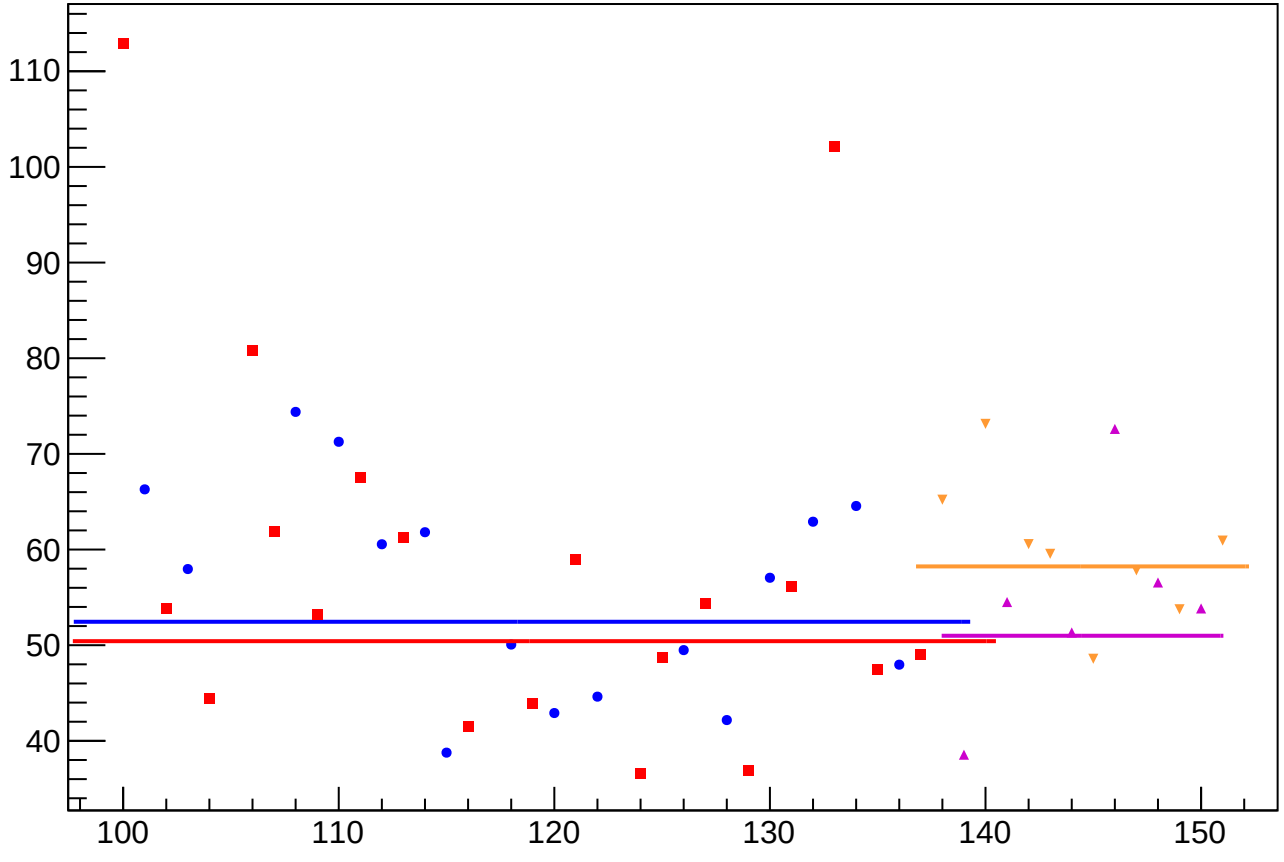
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.015 χ^2/NDF:23.3/21

Out: -0.003+/-0.015 χ^2/NDF:29.2/26

All: 0.011+/-0.011 χ^2/NDF: 54.5/48

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.236+/-0.017 χ^2/NDF:153975.5/7

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.988+/-0.016 χ^2/NDF:326872.1/5

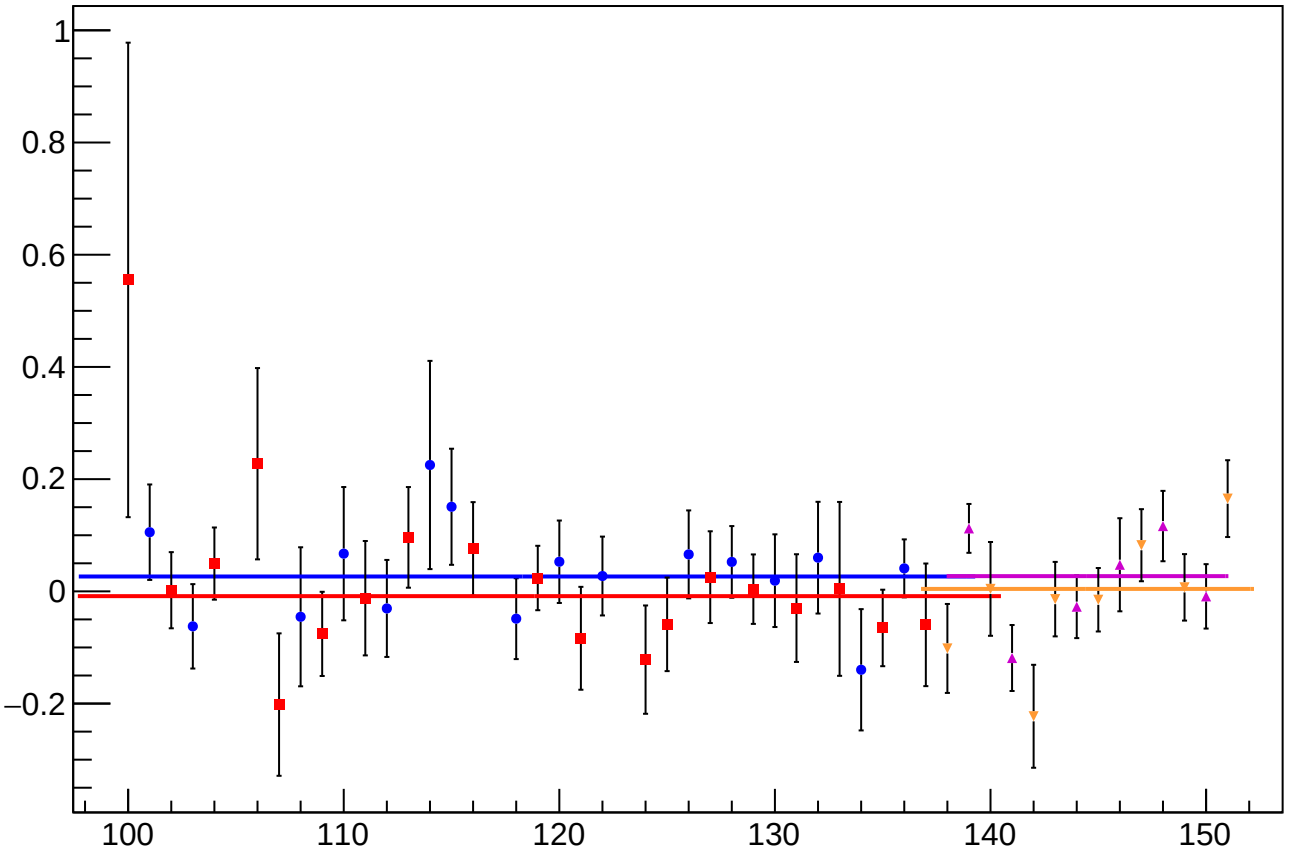
Left: 54.471+/-0.012 χ^2/NDF: 573686.3/13

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.816+/-0.011 χ^2/NDF:749291.1/21

Out: 53.487+/-0.011 χ^2/NDF:956991.8/26

All: 52.661+/-0.008 χ^2/NDF: 1718253.2/48



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.027+/-0.023 χ^2/NDF:13.4/5

Left: 0.016+/-0.017 χ^2/NDF: 29.0/13

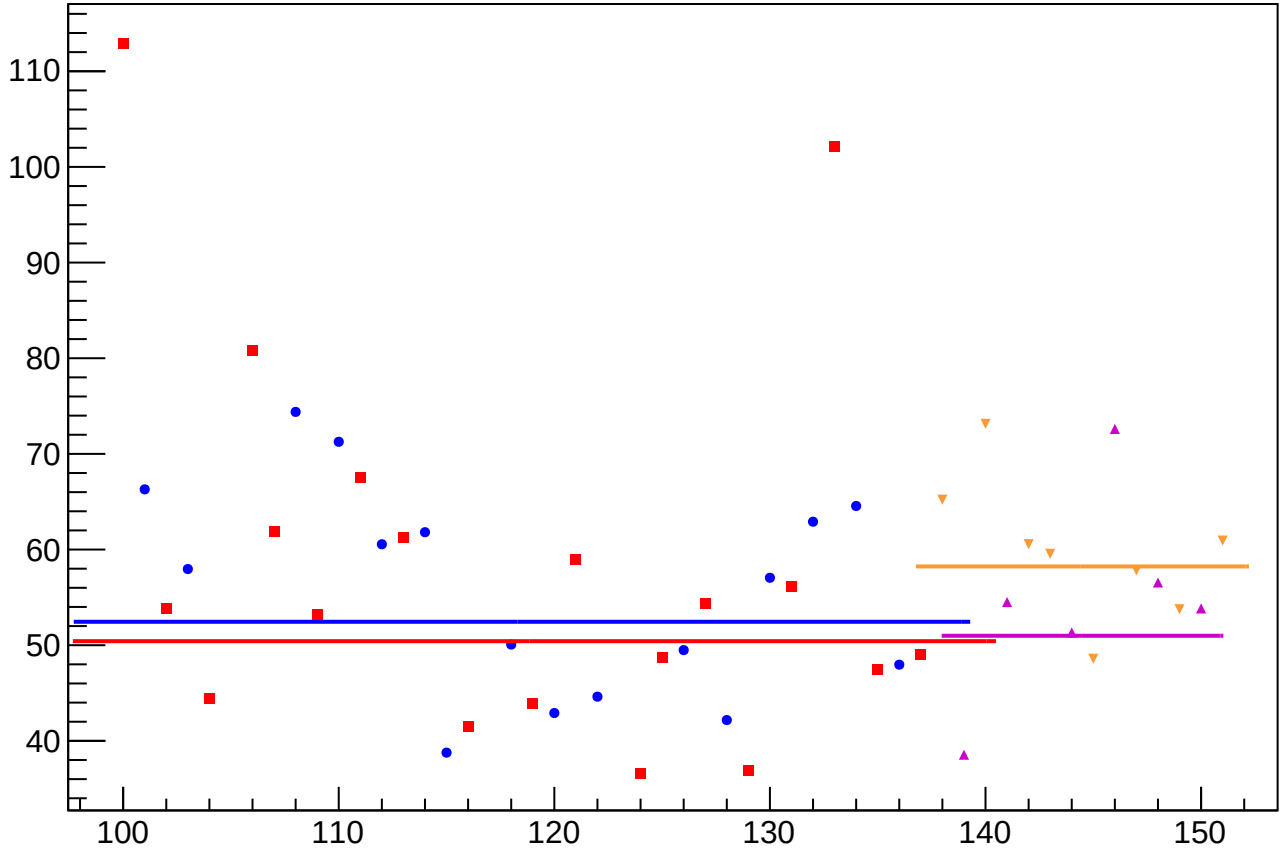
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.027+/-0.015 χ^2/NDF:23.3/21

Out: -0.003+/-0.015 χ^2/NDF:29.2/26

All: 0.011+/-0.011 χ^2/NDF: 54.5/48

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 58.236+/-0.017 χ^2/NDF:153975.5/7

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.988+/-0.016 χ^2/NDF:326872.1/5

Left: 54.471+/-0.012 χ^2/NDF: 573686.3/13

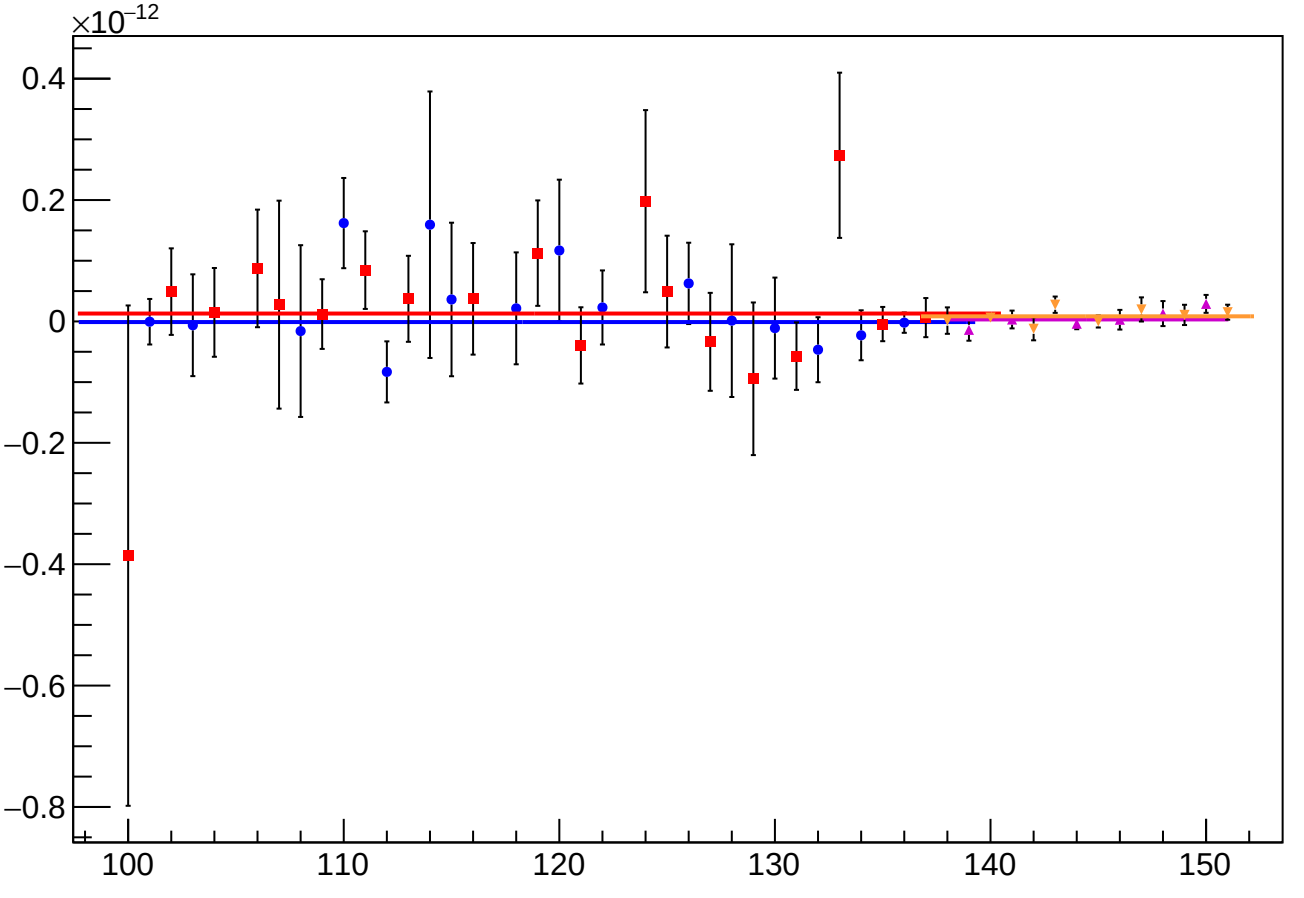
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.816+/-0.011 χ^2/NDF:749291.1/21

Out: 53.487+/-0.011 χ^2/NDF:956991.8/26

All: 52.661+/-0.008 χ^2/NDF: 1718253.2/48

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/5

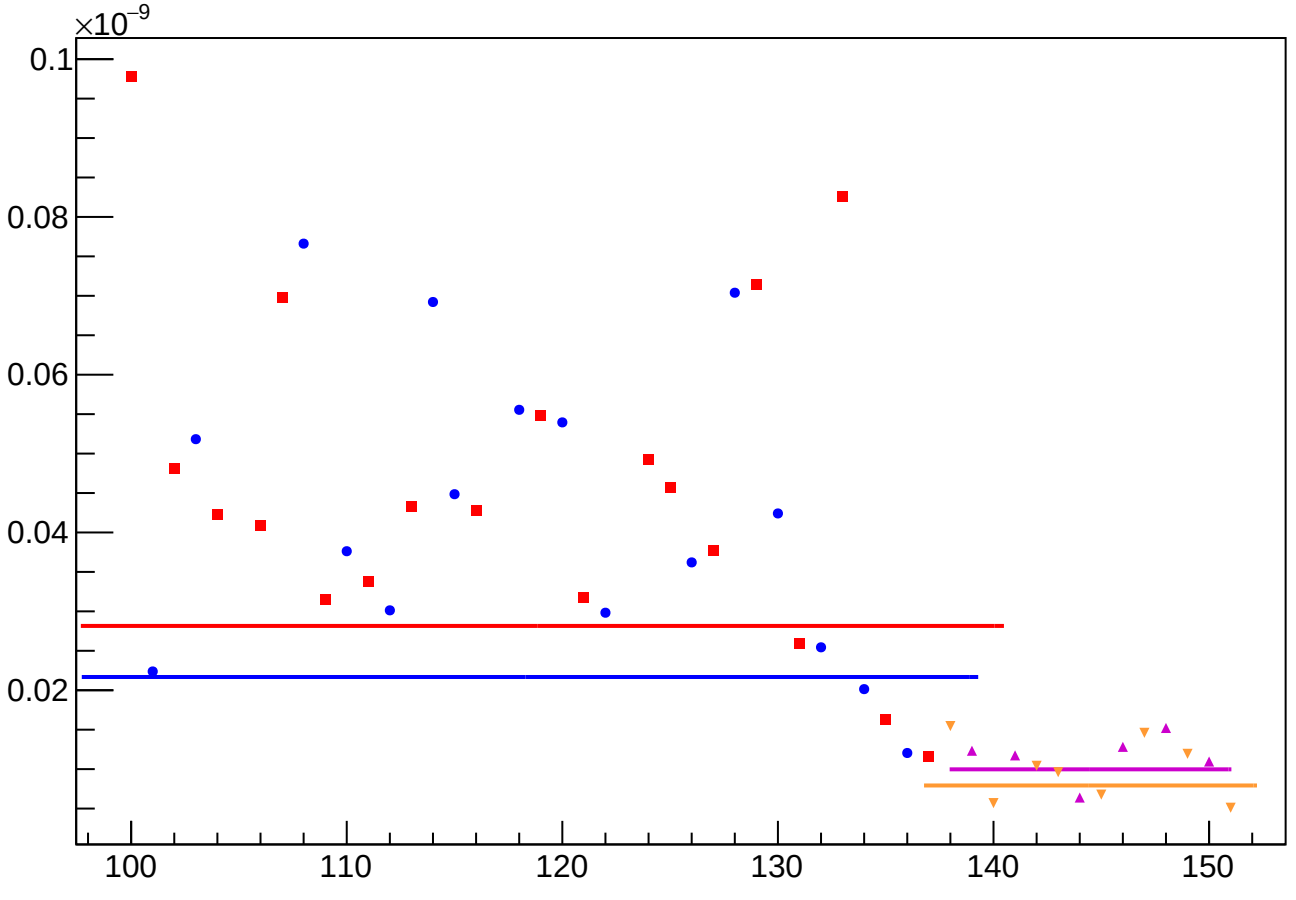
Left: 0.000+/-0.000 χ^2/NDF: 10.0/13

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:16.1/21

Out: 0.000+/-0.000 χ^2/NDF:18.5/26

All: 0.000+/-0.000 χ^2/NDF: 35.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:925972.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:574217.3/5

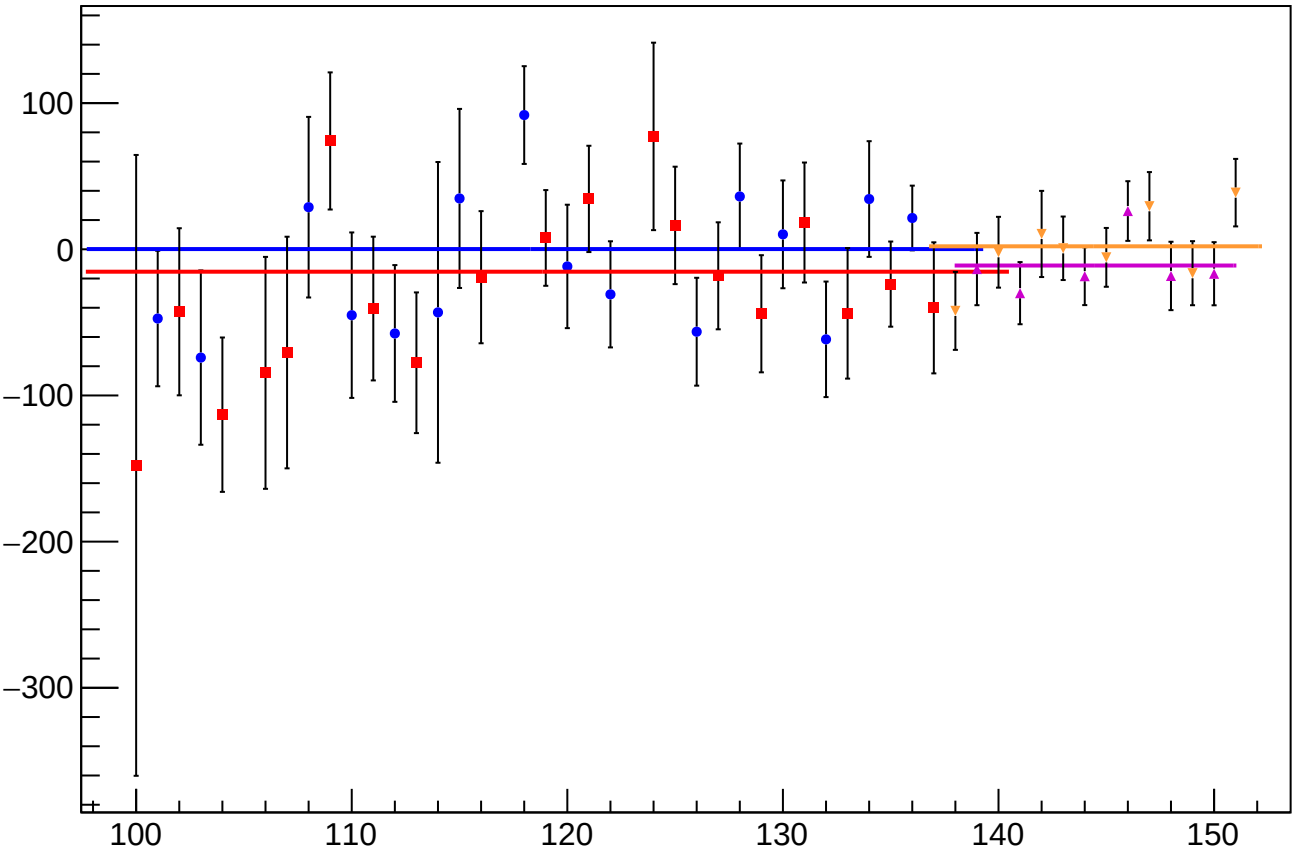
Left: 0.000+/-0.000 χ^2/NDF: 1656840.4/13

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:4652621.8/21

Out: 0.000+/-0.000 χ^2/NDF:6847923.4/26

All: 0.000+/-0.000 χ^2/NDF: 11751443.0/48



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.040+/-8.264 χ^2/NDF:7.6/7

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -11.105+/-8.848 χ^2/NDF:4.4/5

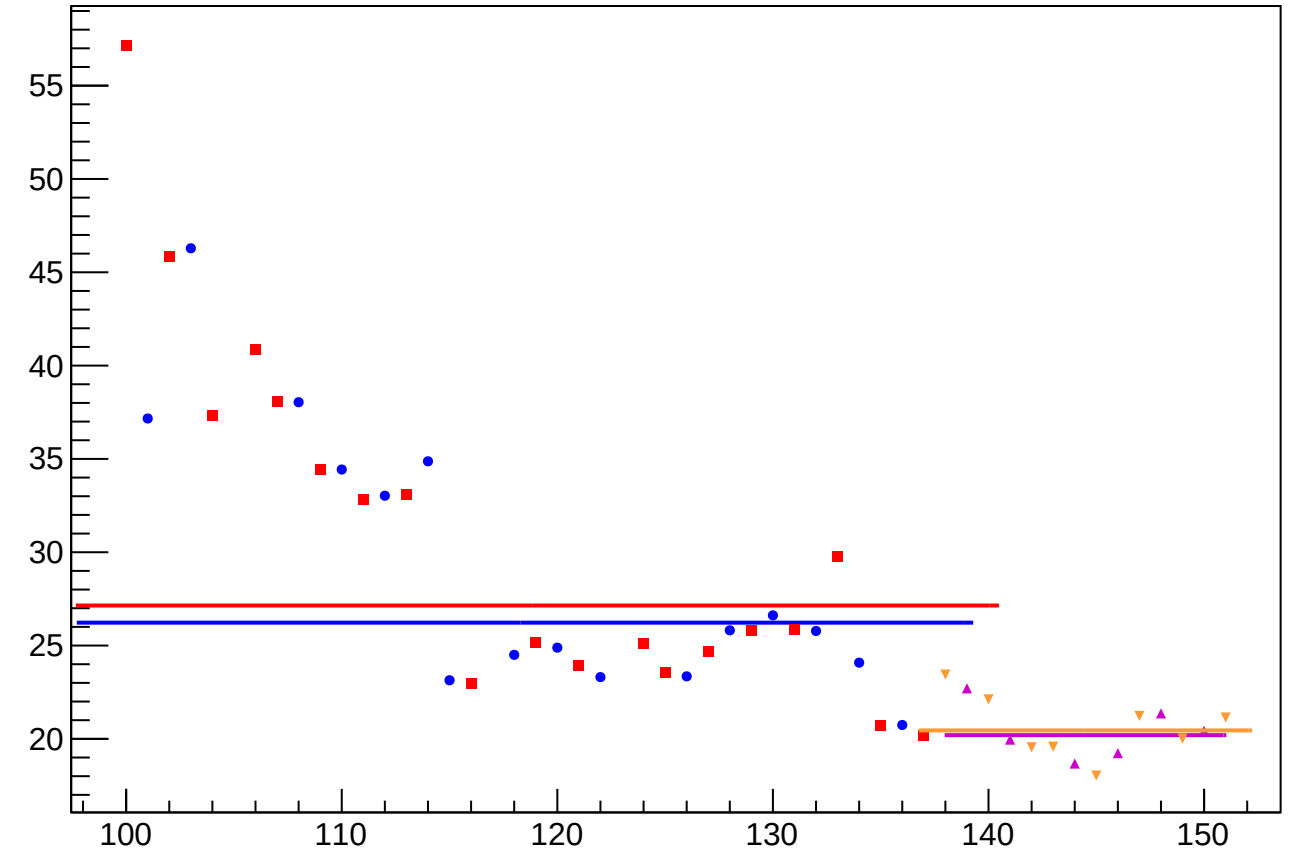
Left: -4.085+/-6.039 χ^2/NDF: 13.2/13

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.187+/-6.640 χ^2/NDF:26.5/21

Out: -4.791+/-6.438 χ^2/NDF:27.3/26

All: -5.467+/-4.622 χ^2/NDF: 53.8/48



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.453+/-0.006 χ^2/NDF:73353.4/7

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.200+/-0.006 χ^2/NDF:42279.1/5

Left: 20.335+/-0.004 χ^2/NDF: 116503.7/13

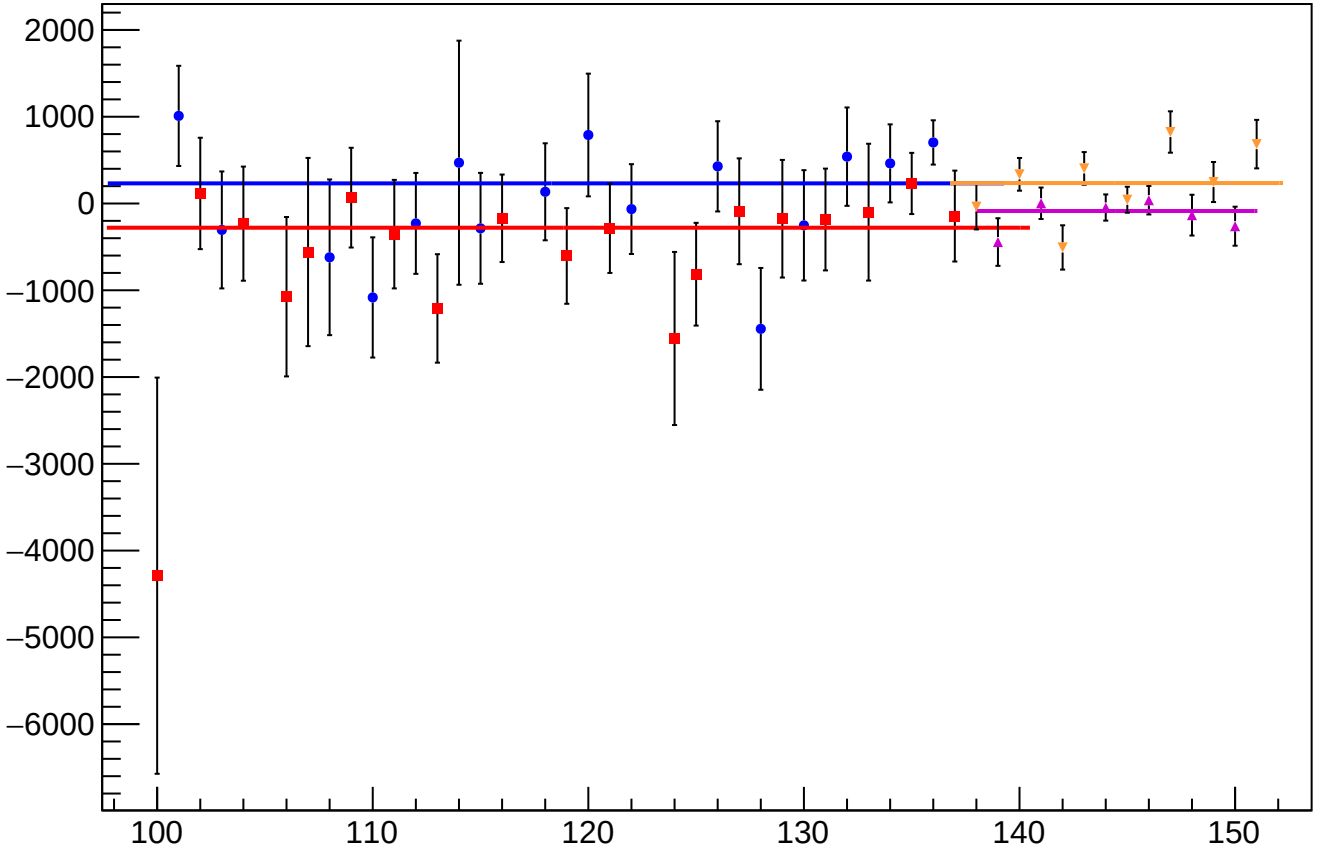
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 22.832+/-0.005 χ^2/NDF:1123614.6/21

Out: 23.084+/-0.005 χ^2/NDF:1344472.1/26

All: 22.962+/-0.003 χ^2/NDF: 2469569.9/48

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.648+/-74.531 χ^2/NDF:20.9/7

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -86.374+/-78.401 χ^2/NDF:3.2/5

Left: 82.783+/-54.018 χ^2/NDF: 33.0/13

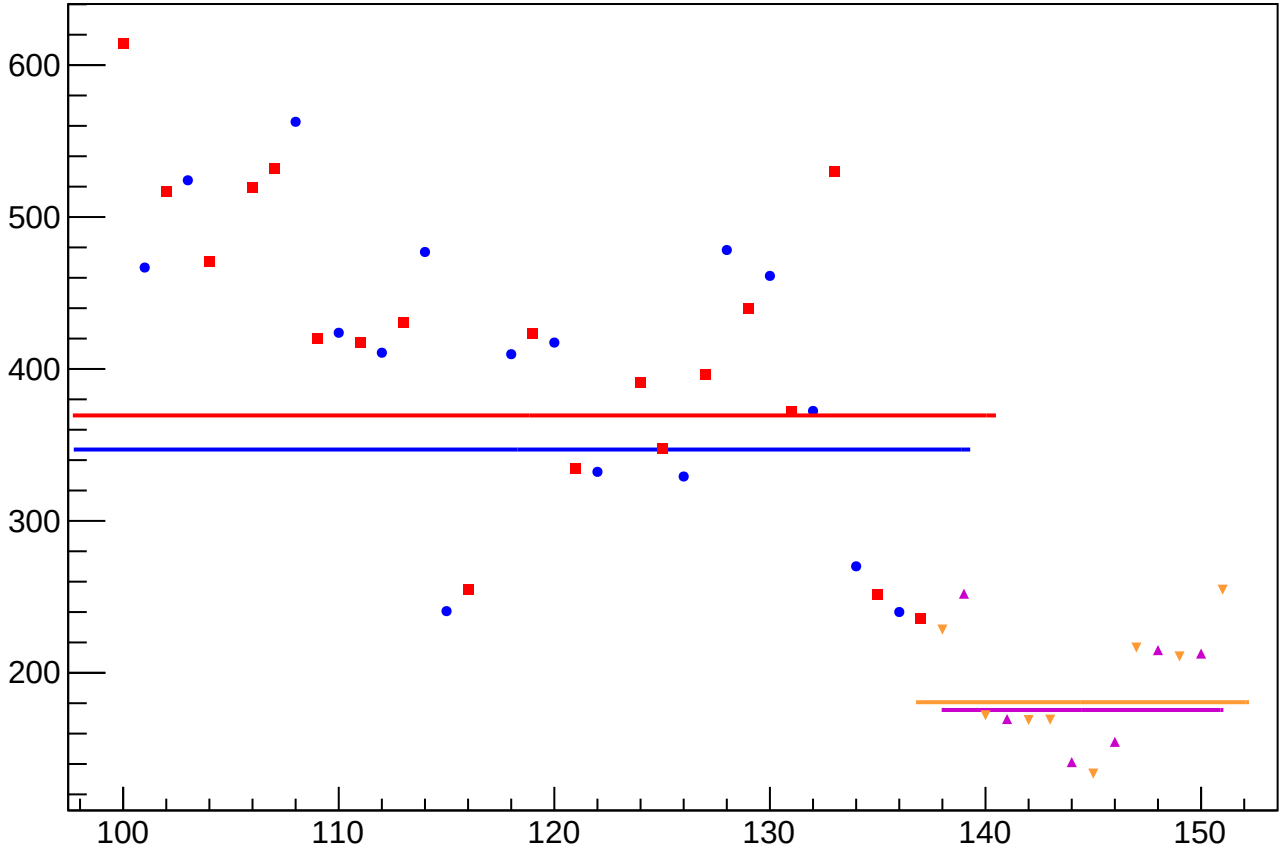
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -5.939+/-67.781 χ^2/NDF:27.0/21

Out: 121.948+/-65.785 χ^2/NDF:43.6/26

All: 59.915+/-47.207 χ^2/NDF: 72.4/48

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: 180.656+/-0.053 χ^2/NDF:499342.0/7

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 175.541+/-0.055 χ^2/NDF:404491.8/5

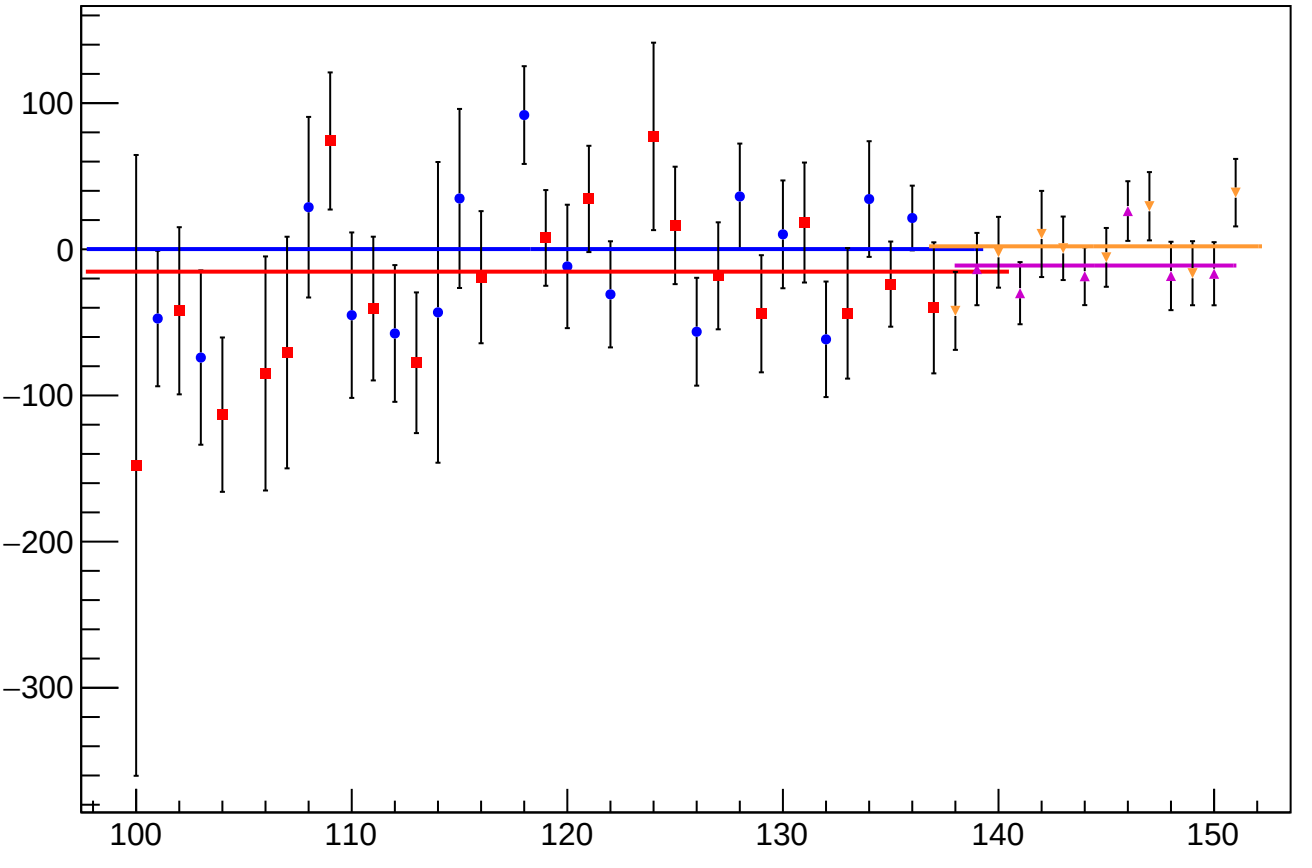
Left: 178.228+/-0.038 χ^2/NDF: 908305.6/13

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 218.839+/-0.048 χ^2/NDF:3877580.4/21

Out: 222.354+/-0.047 χ^2/NDF:4252008.0/26

All: 220.649+/-0.033 χ^2/NDF: 8132358.3/48



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.037+/-8.264 χ^2/NDF:7.6/7

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -11.106+/-8.848 χ^2/NDF:4.4/5

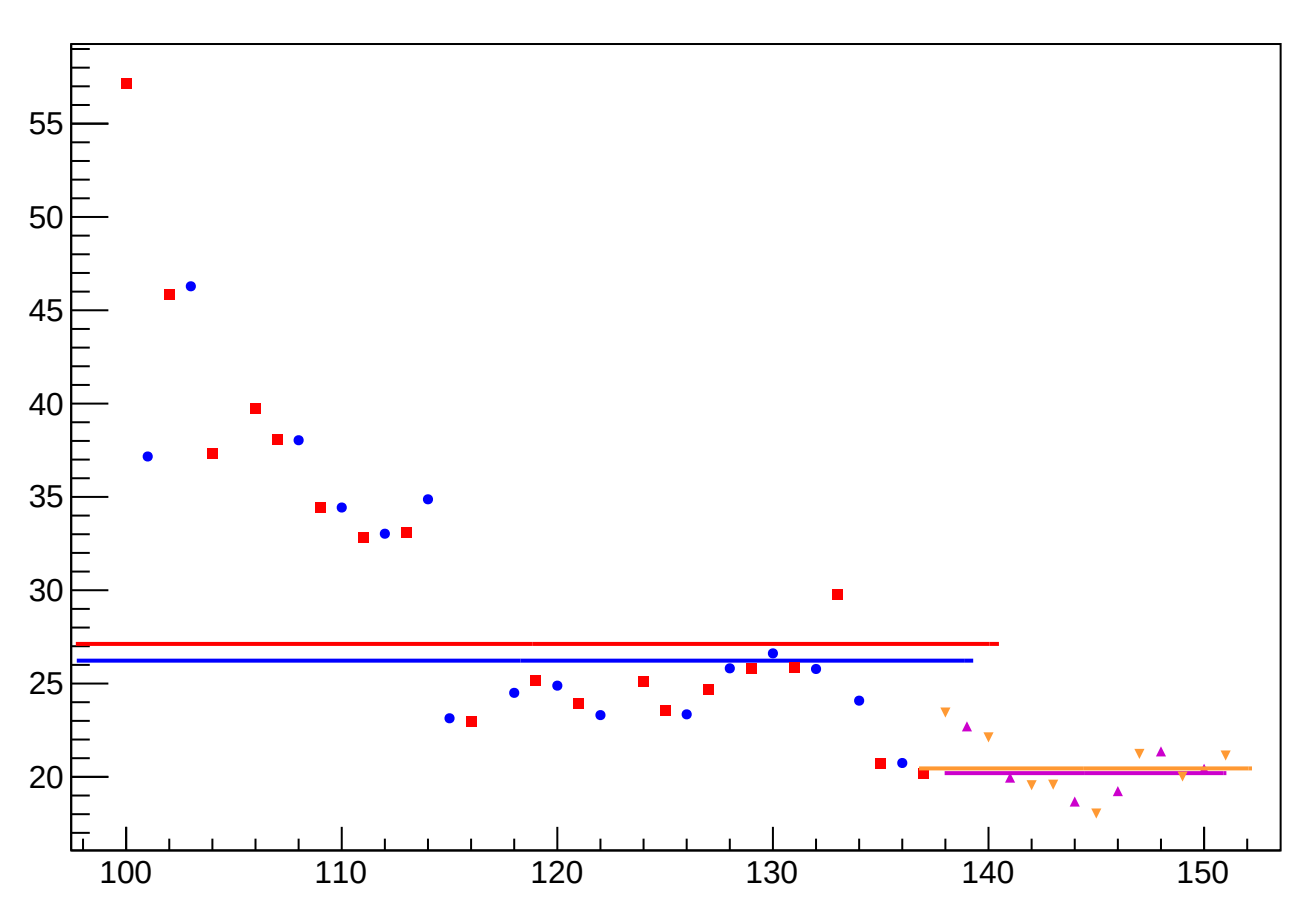
Left: -4.087+/-6.039 χ^2/NDF: 13.2/13

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.187+/-6.640 χ^2/NDF:26.5/21

Out: -4.775+/-6.438 χ^2/NDF:27.3/26

All: -5.459+/-4.622 χ^2/NDF: 53.8/48



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.453+/-0.006 χ^2/NDF:73353.4/7

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.200+/-0.006 χ^2/NDF:42279.1/5

Left: 20.335+/-0.004 χ^2/NDF: 116503.7/13

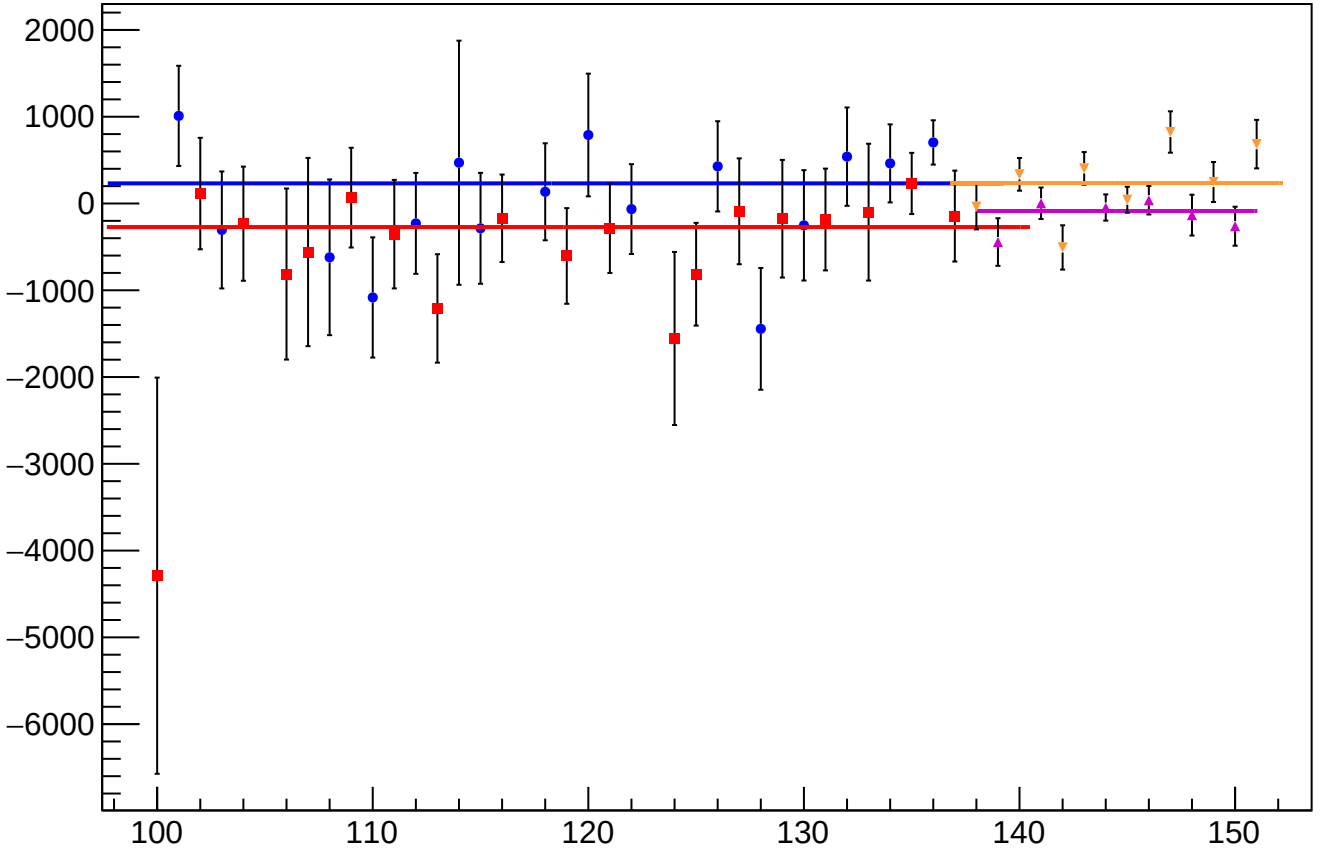
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.832+/-0.005 χ^2/NDF:1123618.0/21

Out: 23.075+/-0.005 χ^2/NDF:1331253.0/26

All: 22.957+/-0.003 χ^2/NDF: 2456248.3/48

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.645+/-74.530 χ^2/NDF:20.9/7

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -86.376+/-78.402 χ^2/NDF:3.2/5

Left: 82.780+/-54.018 χ^2/NDF: 33.0/13

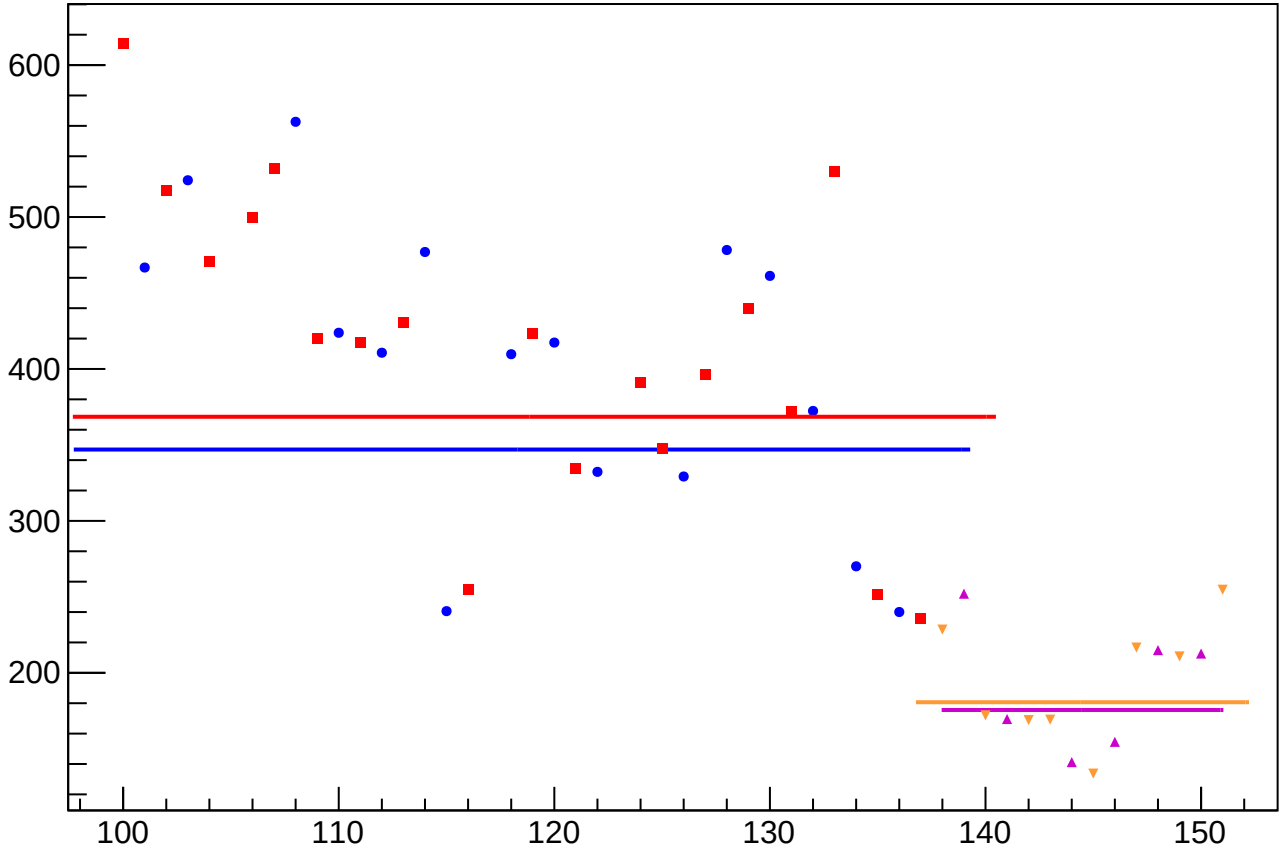
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -5.943+/-67.781 χ^2/NDF:27.0/21

Out: 123.902+/-65.808 χ^2/NDF:42.8/26

All: 60.898+/-47.215 χ^2/NDF: 71.7/48

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 180.656+/-0.053 χ^2/NDF:499344.4/7

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 175.541+/-0.055 χ^2/NDF:404490.7/5

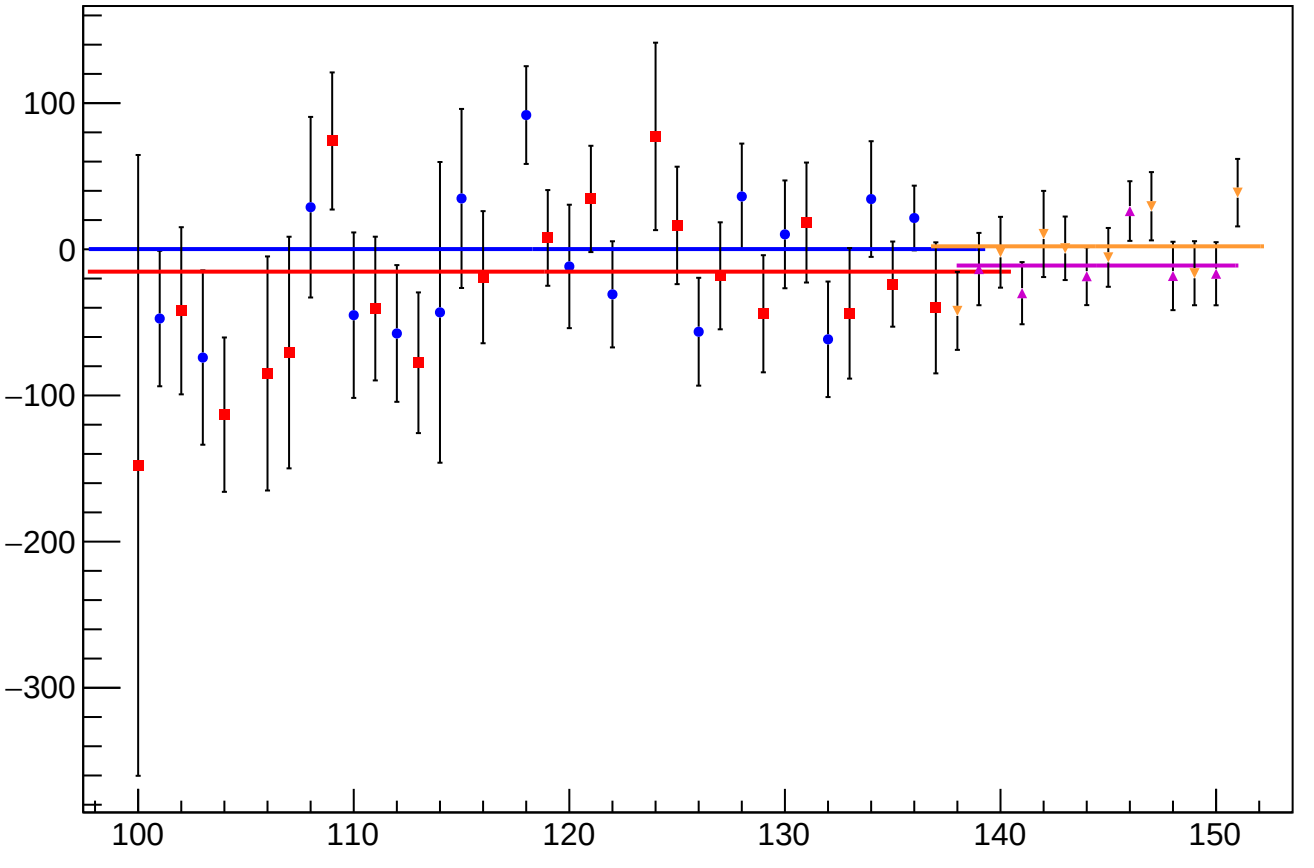
Left: 178.228+/-0.038 χ^2/NDF: 908306.5/13

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 218.839+/-0.048 χ^2/NDF:3877601.6/21

Out: 222.062+/-0.047 χ^2/NDF:4200619.5/26

All: 220.498+/-0.033 χ^2/NDF: 8080549.0/48



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 2.037+/-8.264 χ^2/NDF:7.6/7

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -11.106+/-8.848 χ^2/NDF:4.4/5

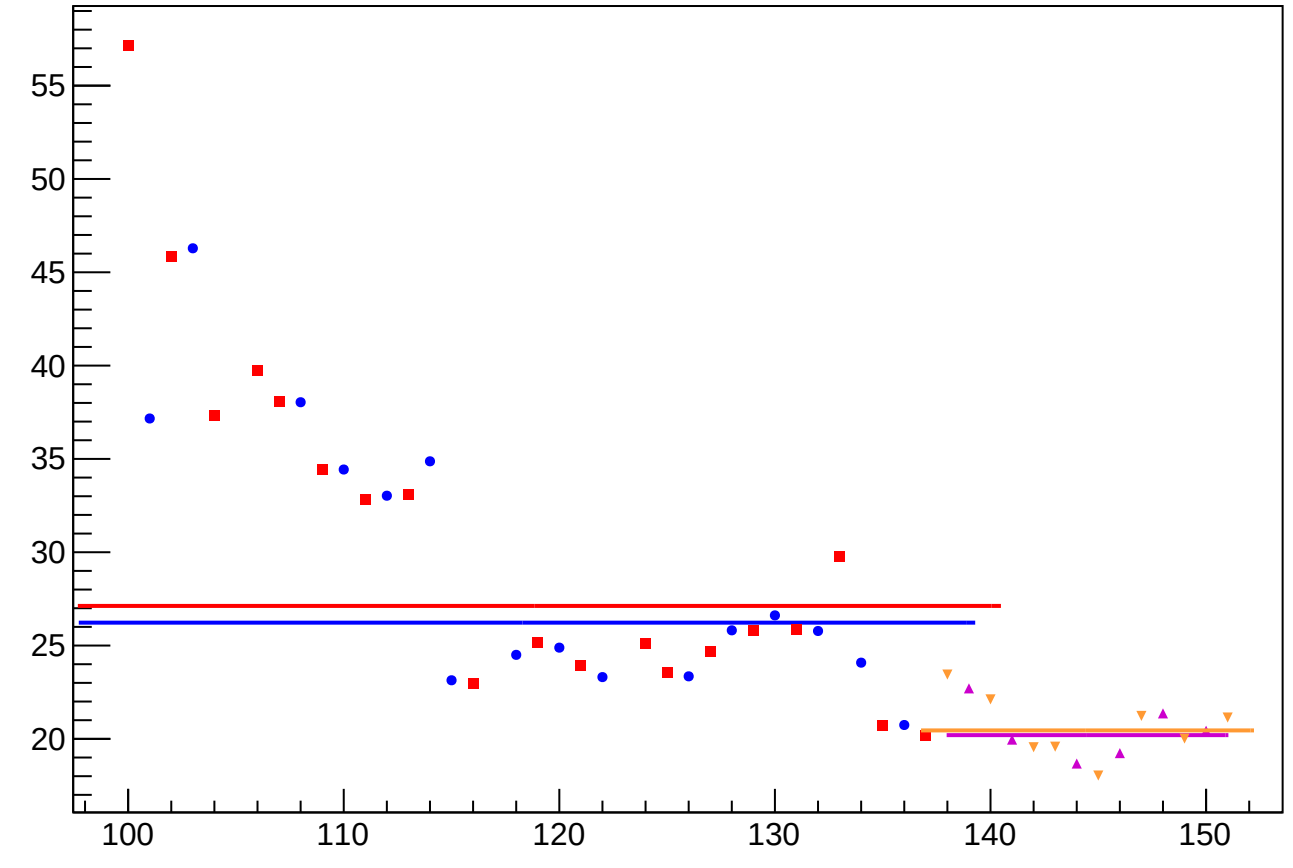
Left: -4.087+/-6.039 χ^2/NDF: 13.2/13

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.187+/-6.640 χ^2/NDF:26.5/21

Out: -4.775+/-6.438 χ^2/NDF:27.3/26

All: -5.459+/-4.622 χ^2/NDF: 53.8/48



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.453+/-0.006 χ^2/NDF:73353.4/7

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.200+/-0.006 χ^2/NDF:42279.1/5

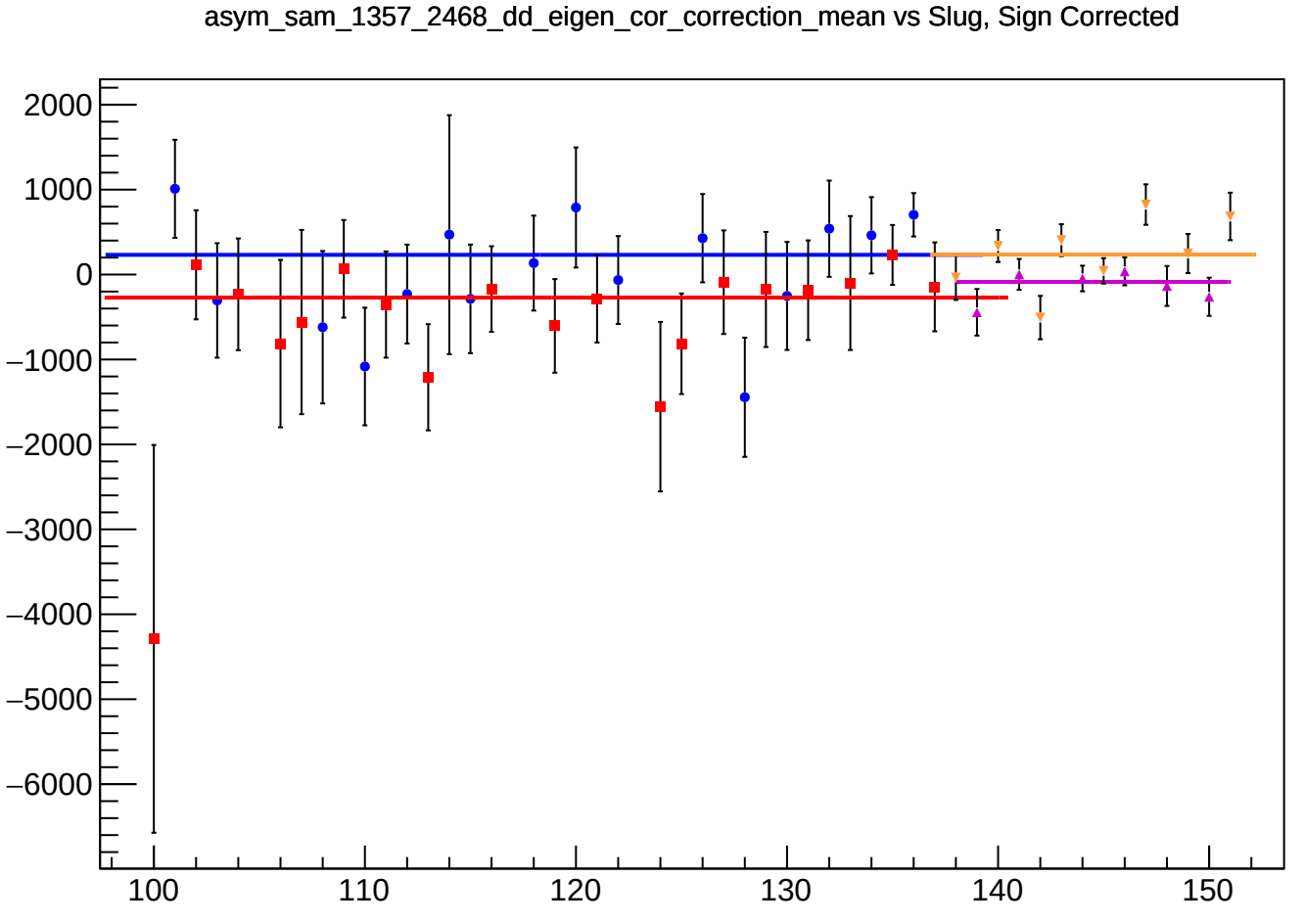
Left: 20.335+/-0.004 χ^2/NDF: 116503.7/13

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.832+/-0.005 χ^2/NDF:1123618.0/21

Out: 23.075+/-0.005 χ^2/NDF:1331253.0/26

All: 22.957+/-0.003 χ^2/NDF: 2456248.3/48



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.645+/-74.530 χ^2/NDF:20.9/7

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -86.376+/-78.402 χ^2/NDF:3.2/5

Left: 82.780+/-54.018 χ^2/NDF: 33.0/13

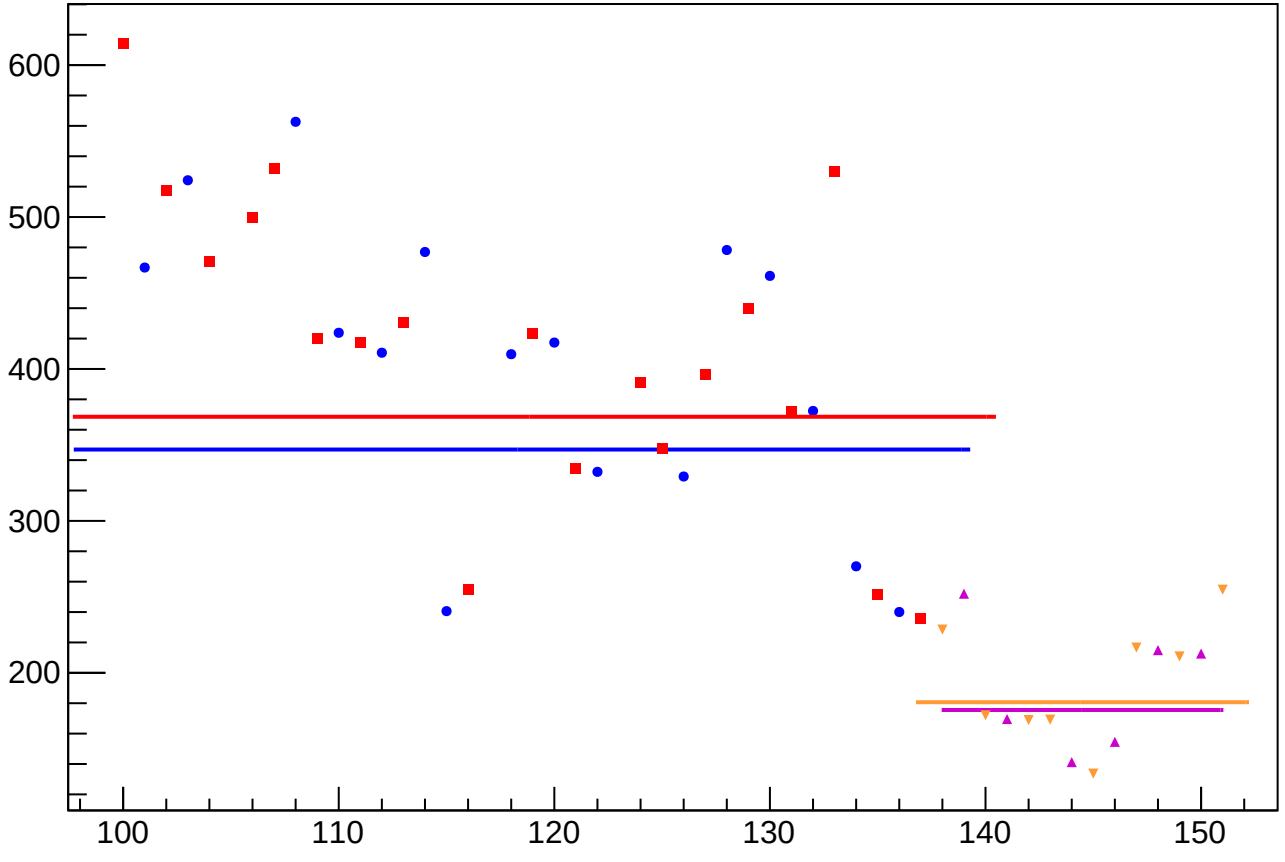
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -5.943+/-67.781 χ^2/NDF:27.0/21

Out: 123.902+/-65.808 χ^2/NDF:42.8/26

All: 60.898+/-47.215 χ^2/NDF: 71.7/48

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: 180.656+/-0.053 χ^2/NDF:499344.4/7

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 175.541+/-0.055 χ^2/NDF:404490.7/5

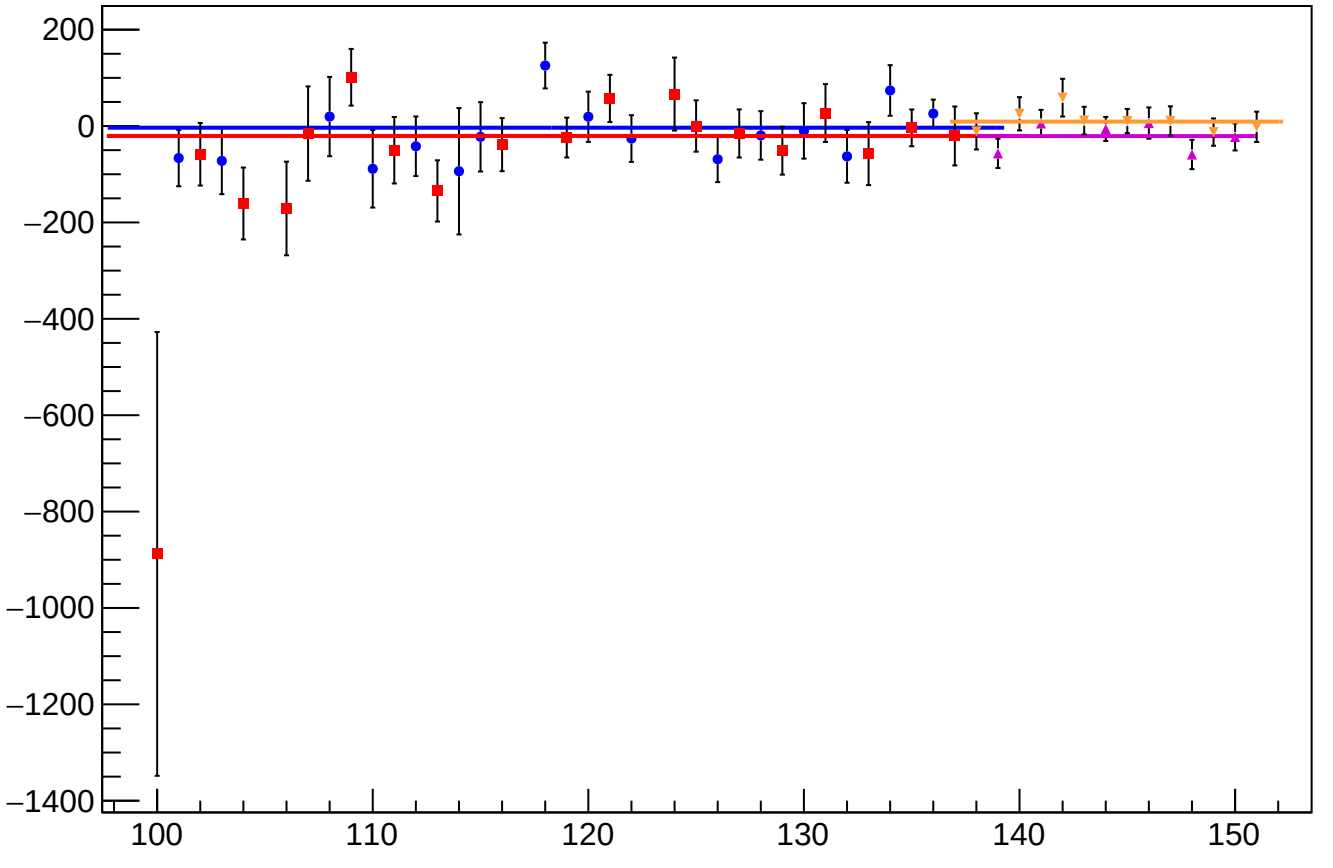
Left: 178.228+/-0.038 χ^2/NDF: 908306.5/13

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 218.839+/-0.048 χ^2/NDF:3877601.6/21

Out: 222.062+/-0.047 χ^2/NDF:4200619.5/26

All: 220.498+/-0.033 χ^2/NDF: 8080549.0/48



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.205+/-10.942 χ^2/NDF:2.8/7

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -20.844+/-11.737 χ^2/NDF:4.9/5

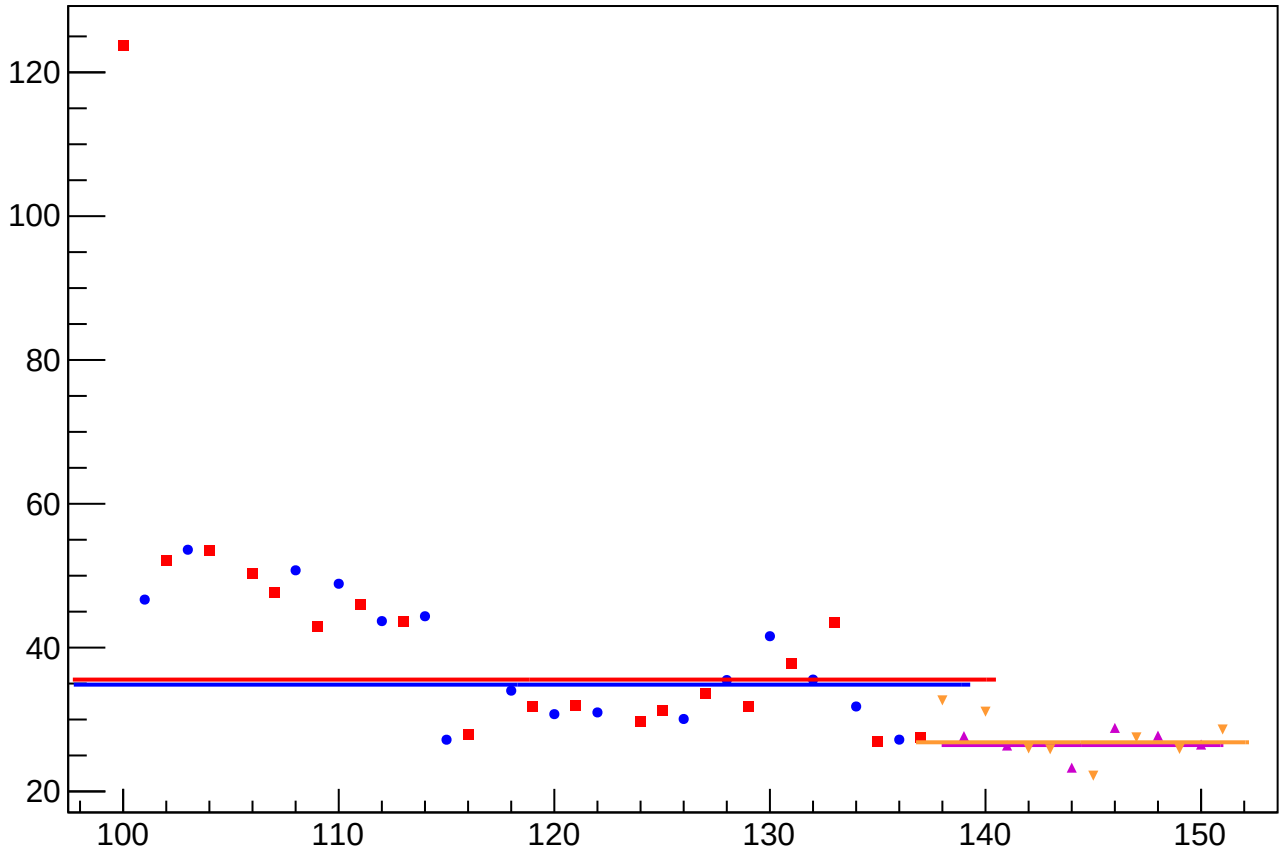
Left: -4.768+/-8.003 χ^2/NDF: 11.2/13

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -13.276+/-8.827 χ^2/NDF:24.3/21

Out: -2.626+/-8.494 χ^2/NDF:28.9/26

All: -7.747+/-6.121 χ^2/NDF: 54.0/48



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.832+/-0.008 χ^2/NDF:159921.1/7

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.450+/-0.008 χ^2/NDF:49571.5/5

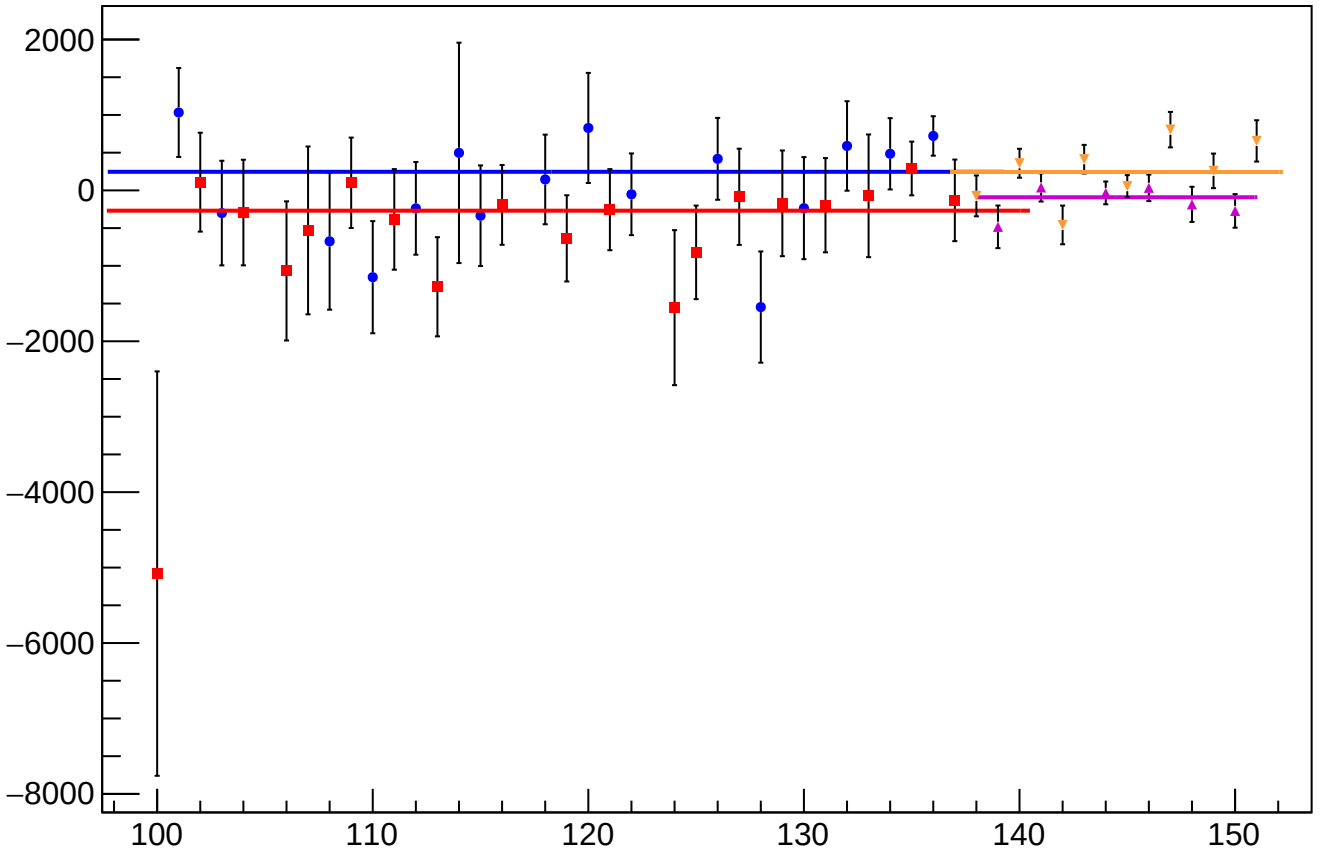
Left: 26.655+/-0.006 χ^2/NDF: 210627.5/13

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 30.099+/-0.006 χ^2/NDF:1152768.7/21

Out: 30.298+/-0.006 χ^2/NDF:1444604.9/26

All: 30.202+/-0.004 χ^2/NDF: 2597898.9/48



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 243.907+/-74.362 χ^2/NDF:19.6/7

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -90.963+/-80.084 χ^2/NDF:3.9/5

Left: 88.863+/-54.493 χ^2/NDF: 32.9/13

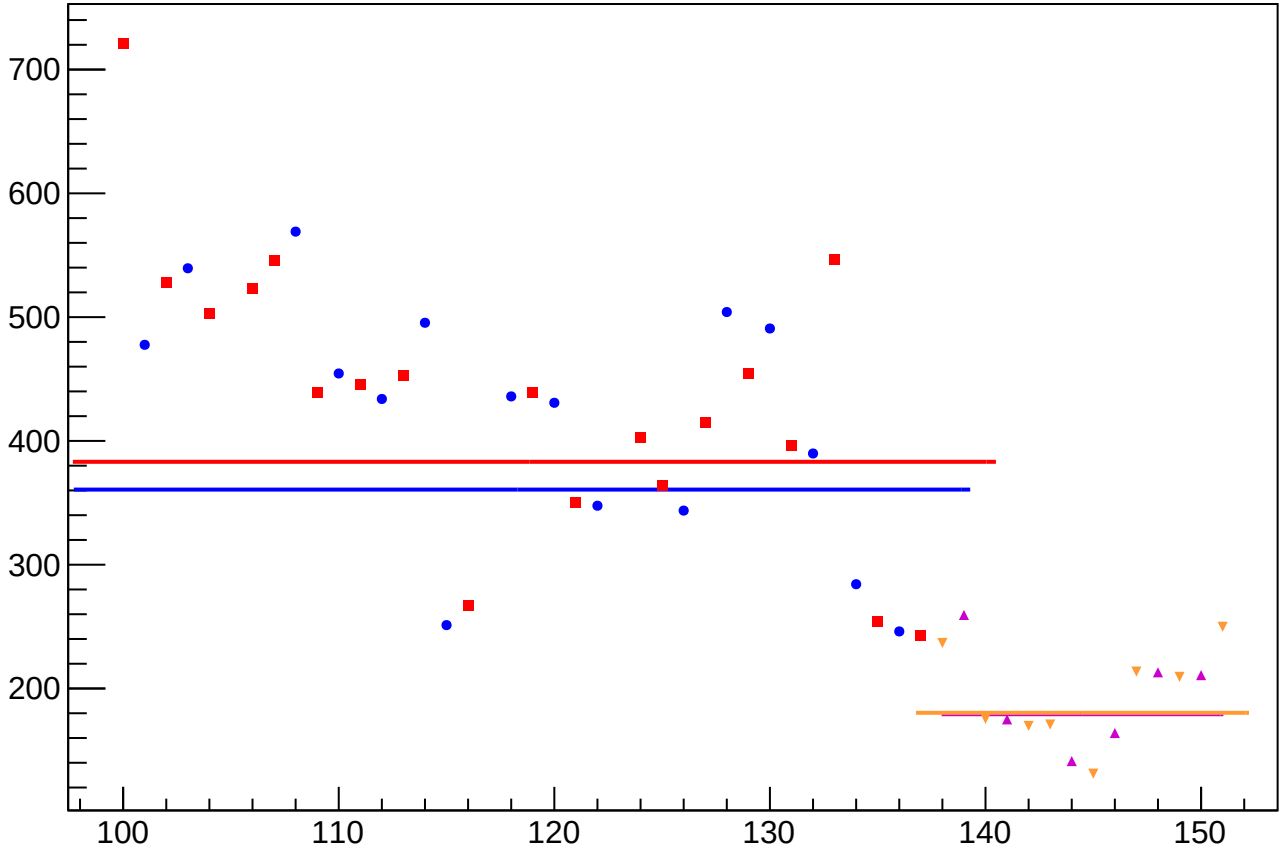
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -8.007+/-69.548 χ^2/NDF:28.0/21

Out: 137.462+/-66.196 χ^2/NDF:42.1/26

All: 68.318+/-47.949 χ^2/NDF: 72.4/48

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: 180.367+/-0.053 χ^2/NDF:523237.9/7

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 179.207+/-0.057 χ^2/NDF:385461.3/5

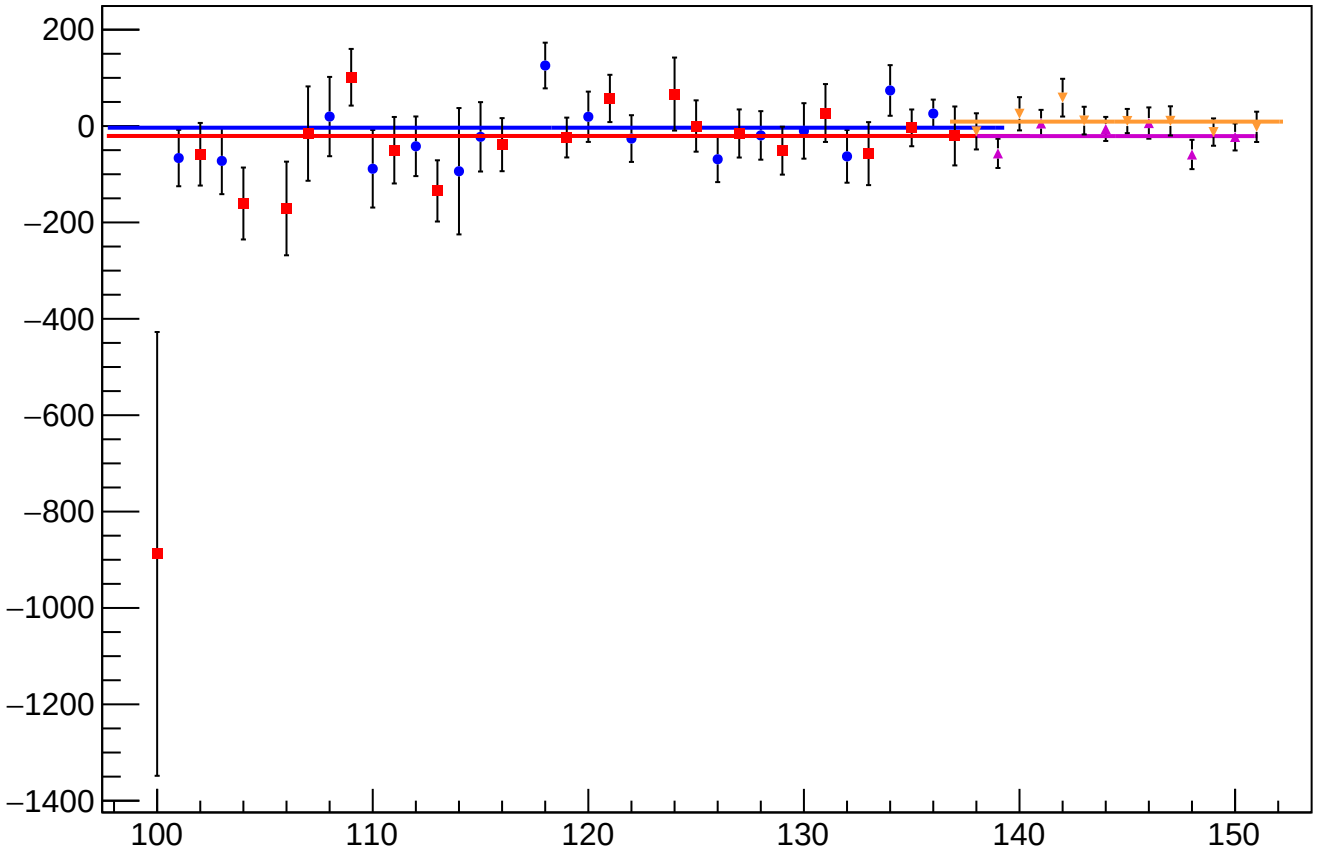
Left: 179.830+/-0.039 χ^2/NDF: 908924.5/13

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 223.819+/-0.049 χ^2/NDF:4003051.0/21

Out: 222.454+/-0.047 χ^2/NDF:4572923.7/26

All: 223.103+/-0.034 χ^2/NDF: 8576378.9/48



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.205+/-10.942 χ^2/NDF:2.8/7

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -20.844+/-11.737 χ^2/NDF:4.9/5

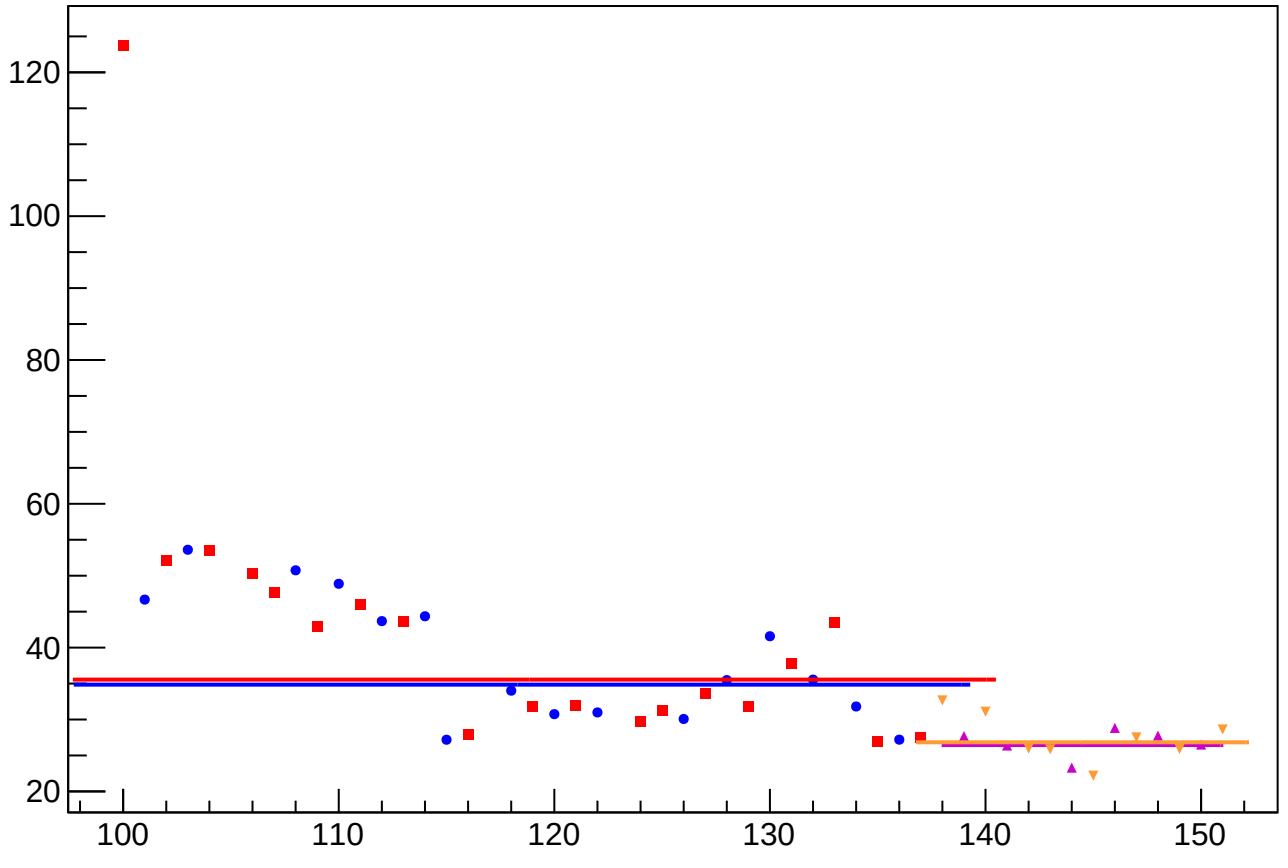
Left: -4.767+/-8.003 χ^2/NDF: 11.2/13

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -13.277+/-8.827 χ^2/NDF:24.3/21

Out: -2.626+/-8.494 χ^2/NDF:28.9/26

All: -7.747+/-6.120 χ^2/NDF: 54.0/48



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.832+/-0.008 χ^2/NDF:159905.2/7

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.450+/-0.008 χ^2/NDF:49567.2/5

Left: 26.655+/-0.006 χ^2/NDF: 210607.8/13

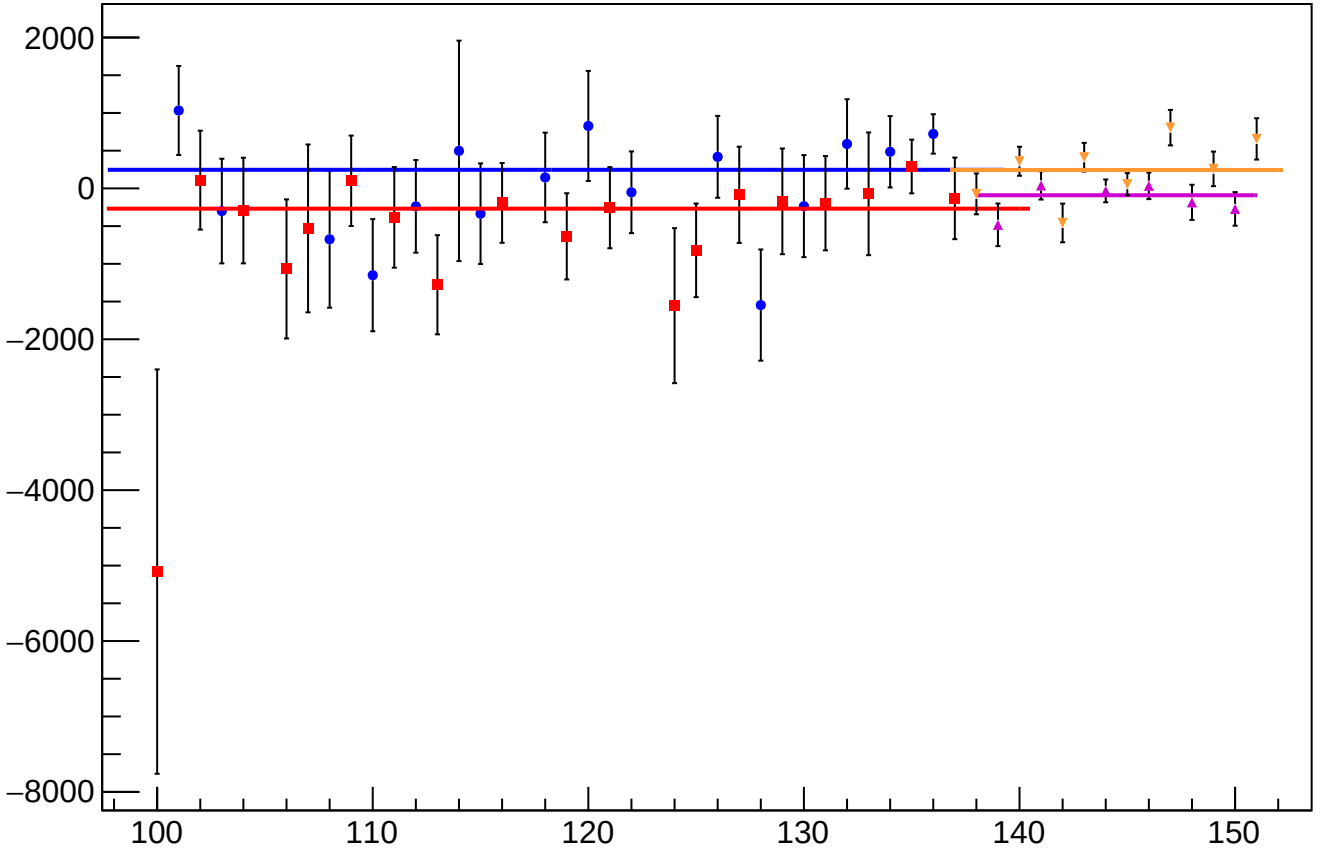
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 30.099+/-0.006 χ^2/NDF:1152669.7/21

Out: 30.298+/-0.006 χ^2/NDF:1444513.2/26

All: 30.202+/-0.004 χ^2/NDF: 2597708.6/48

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 243.906+/-74.362 χ^2/NDF:19.6/7

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -90.963+/-80.084 χ^2/NDF:3.9/5

Left: 88.862+/-54.492 χ^2/NDF: 32.9/13

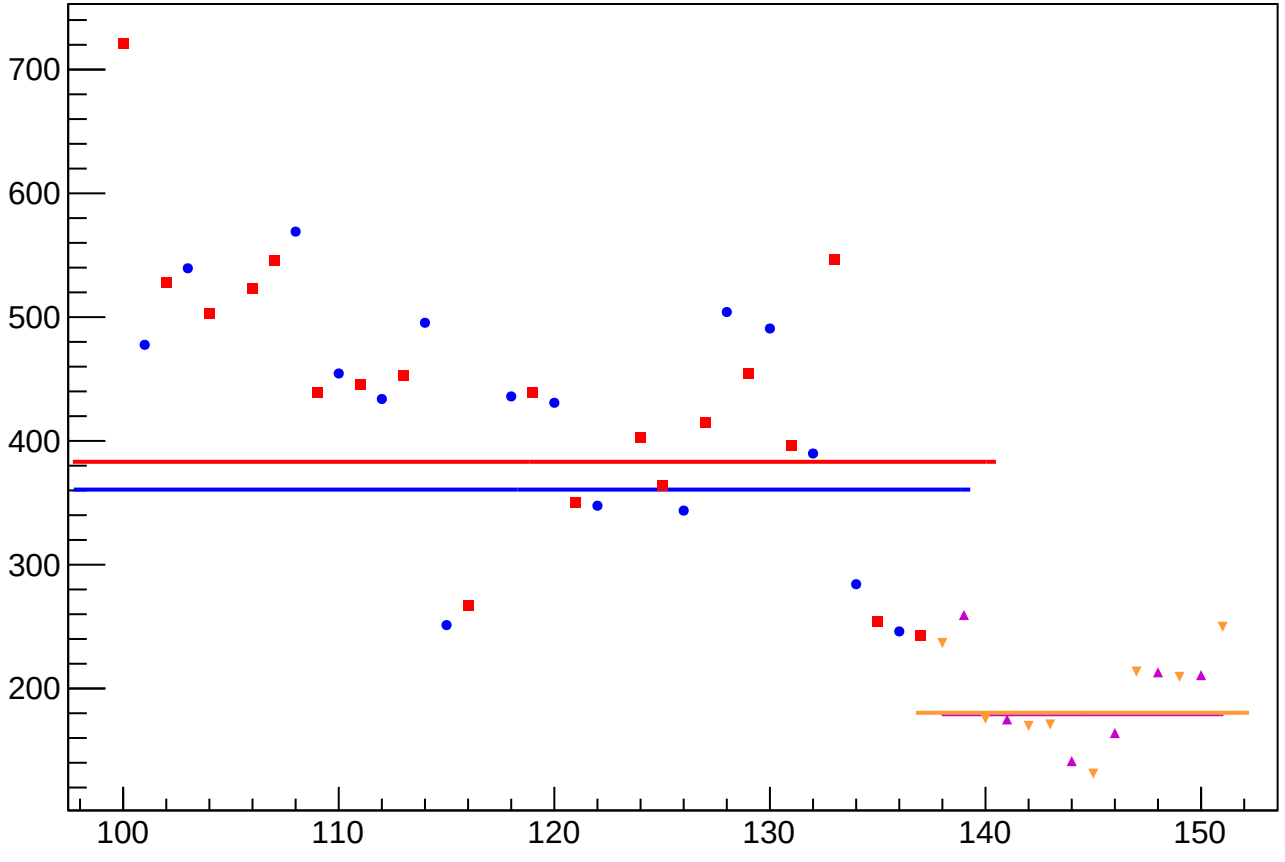
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -8.008+/-69.548 χ^2/NDF:28.0/21

Out: 137.462+/-66.196 χ^2/NDF:42.1/26

All: 68.318+/-47.949 χ^2/NDF: 72.4/48

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: 180.366+/-0.053 χ^2/NDF:523246.2/7

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 179.206+/-0.057 χ^2/NDF:385459.7/5

Left: 179.829+/-0.039 χ^2/NDF: 908931.2/13

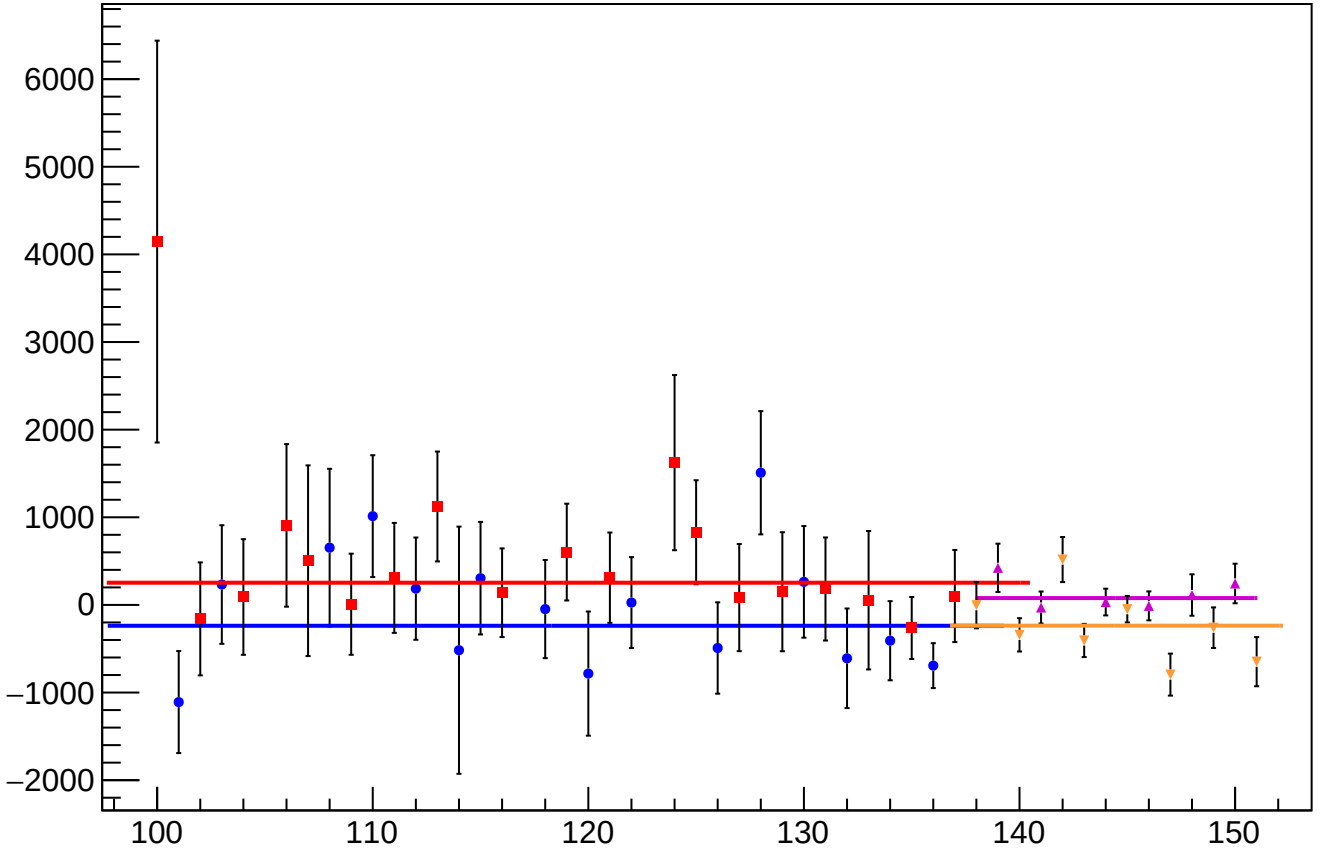
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 223.819+/-0.049 χ^2/NDF:4003041.1/21

Out: 222.453+/-0.047 χ^2/NDF:4572937.7/26

All: 223.102+/-0.034 χ^2/NDF: 8576383.2/48

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -236.721+/-75.044 χ^2/NDF:19.6/7

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 78.066+/-78.956 χ^2/NDF:2.9/5

Left: -87.318+/-54.395 χ^2/NDF: 30.8/13

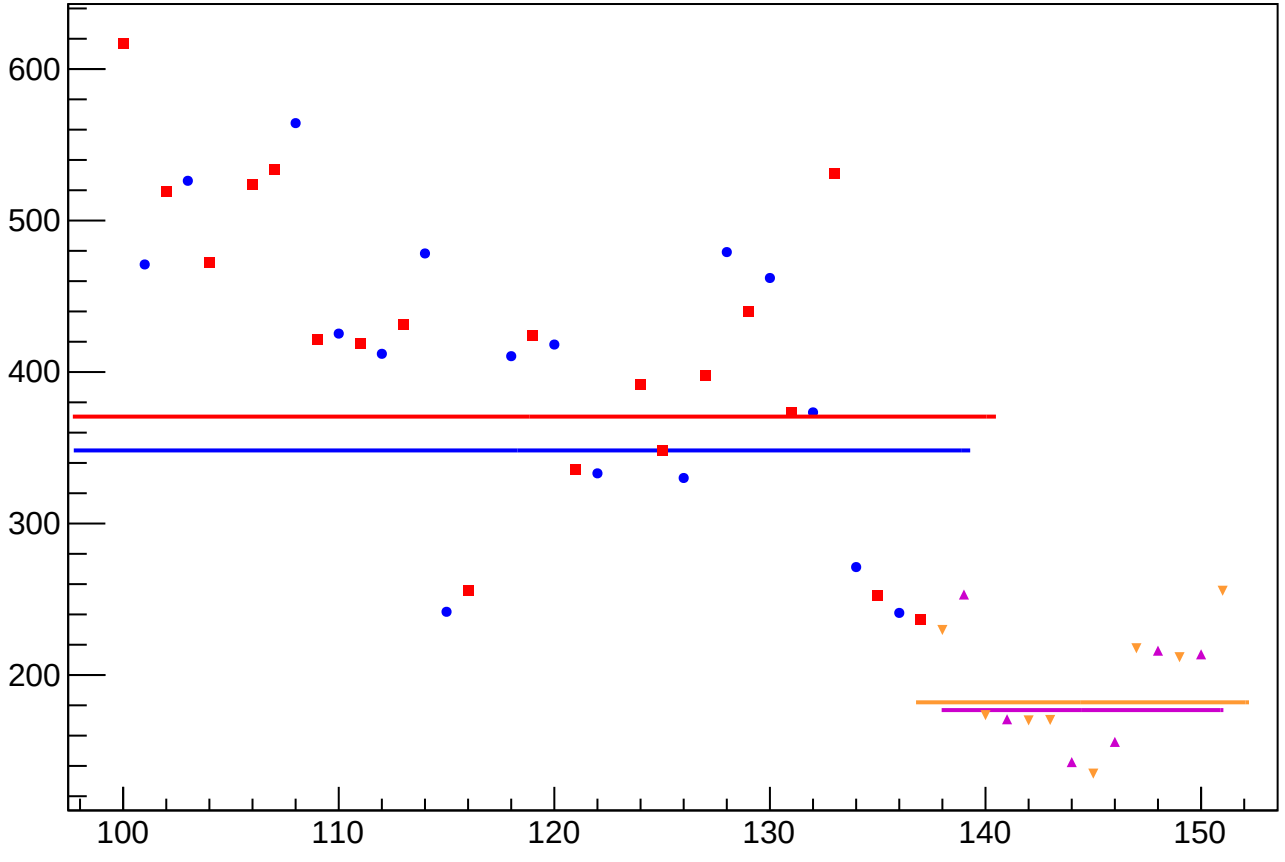
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -2.194+/-68.200 χ^2/NDF:26.9/21

Out: -127.818+/-66.185 χ^2/NDF:40.8/26

All: -66.889+/-47.496 χ^2/NDF: 69.4/48

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 181.983+/-0.053 χ^2/NDF:490638.2/7

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 176.856+/-0.056 χ^2/NDF:397591.4/5

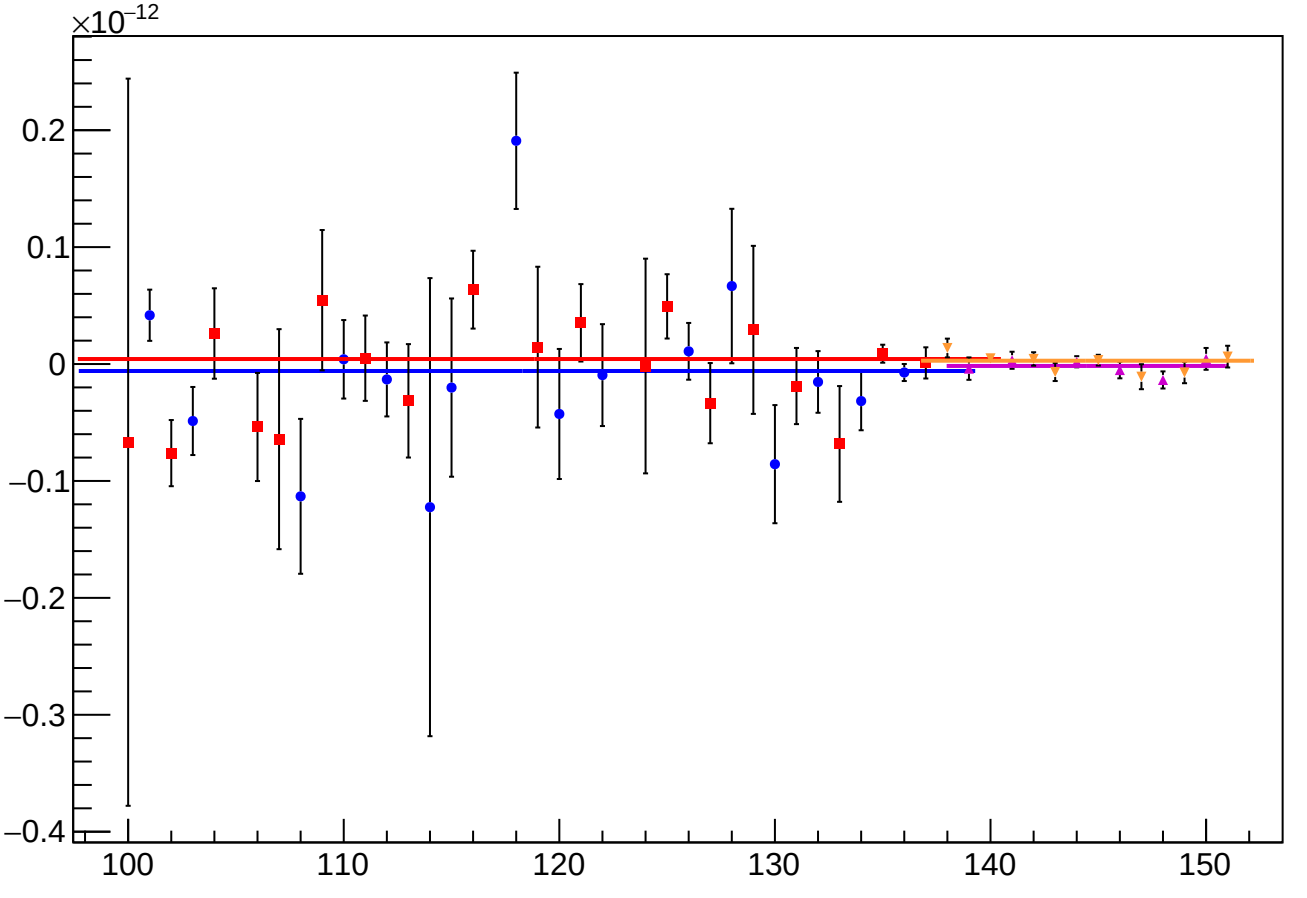
Left: 179.550+/-0.038 χ^2/NDF: 892660.9/13

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 220.373+/-0.048 χ^2/NDF:3847309.2/21

Out: 223.886+/-0.047 χ^2/NDF:4215176.2/26

All: 222.182+/-0.034 χ^2/NDF: 8065218.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/5

Left: 0.000+/-0.000 χ^2/NDF: 12.6/13

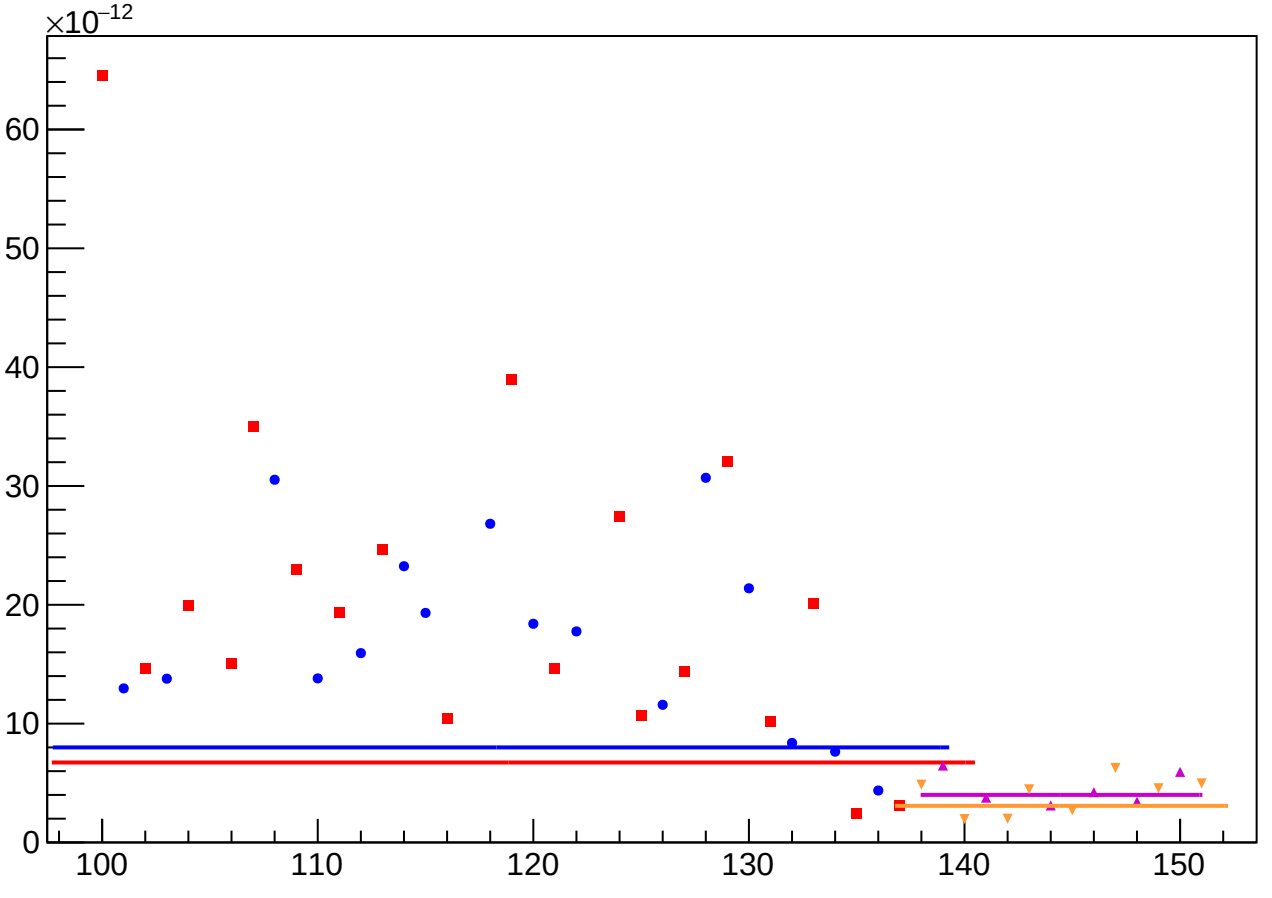
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:32.2/21

Out: 0.000+/-0.000 χ^2/NDF:29.7/26

All: 0.000+/-0.000 χ^2/NDF: 64.7/48

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:711048.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:304765.7/5

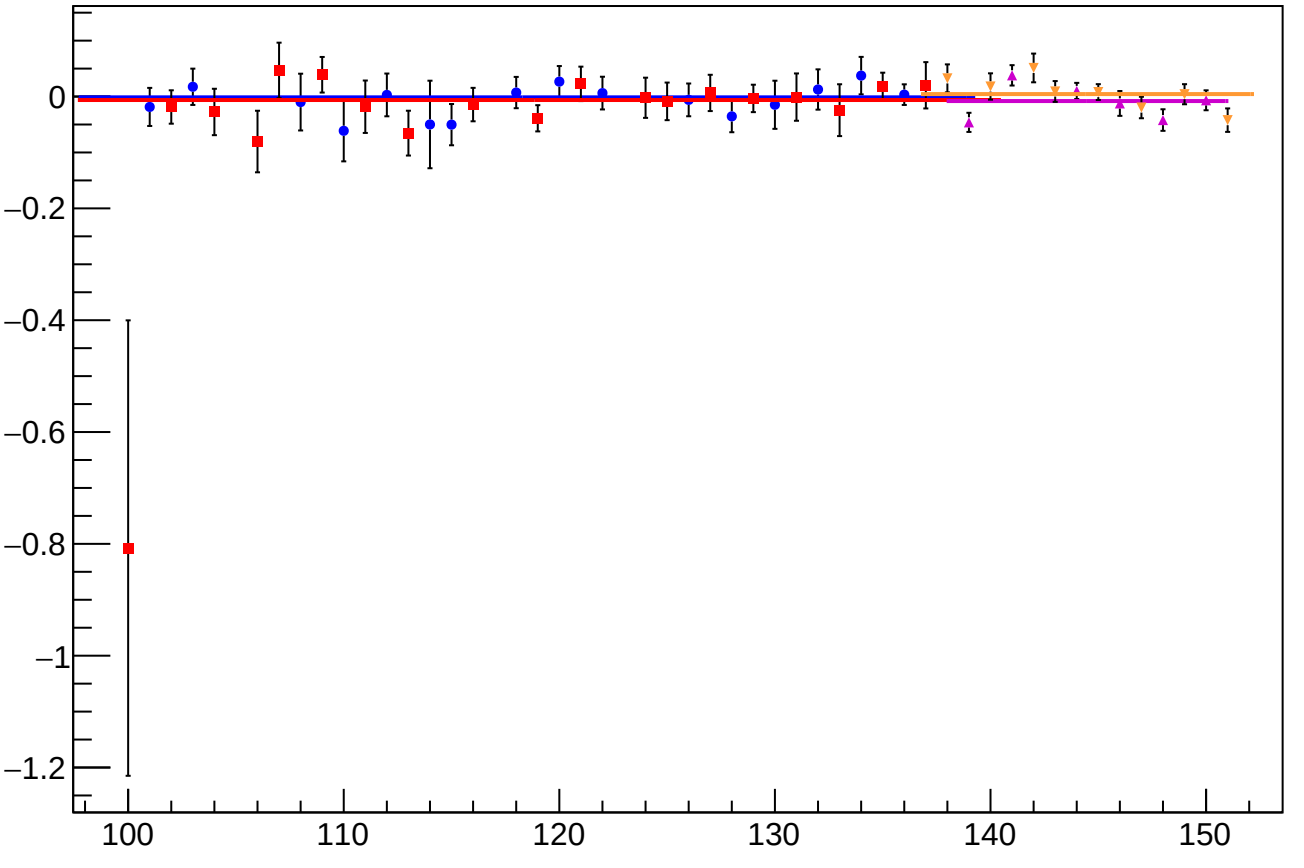
Left: 0.000+/-0.000 χ^2/NDF: 1146064.6/13

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3043788.3/21

Out: 0.000+/-0.000 χ^2/NDF:4834308.0/26

All: 0.000+/-0.000 χ^2/NDF: 8155243.4/48



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.007 χ^2/NDF:16.1/5

Left: -0.002+/-0.005 χ^2/NDF: 29.2/13

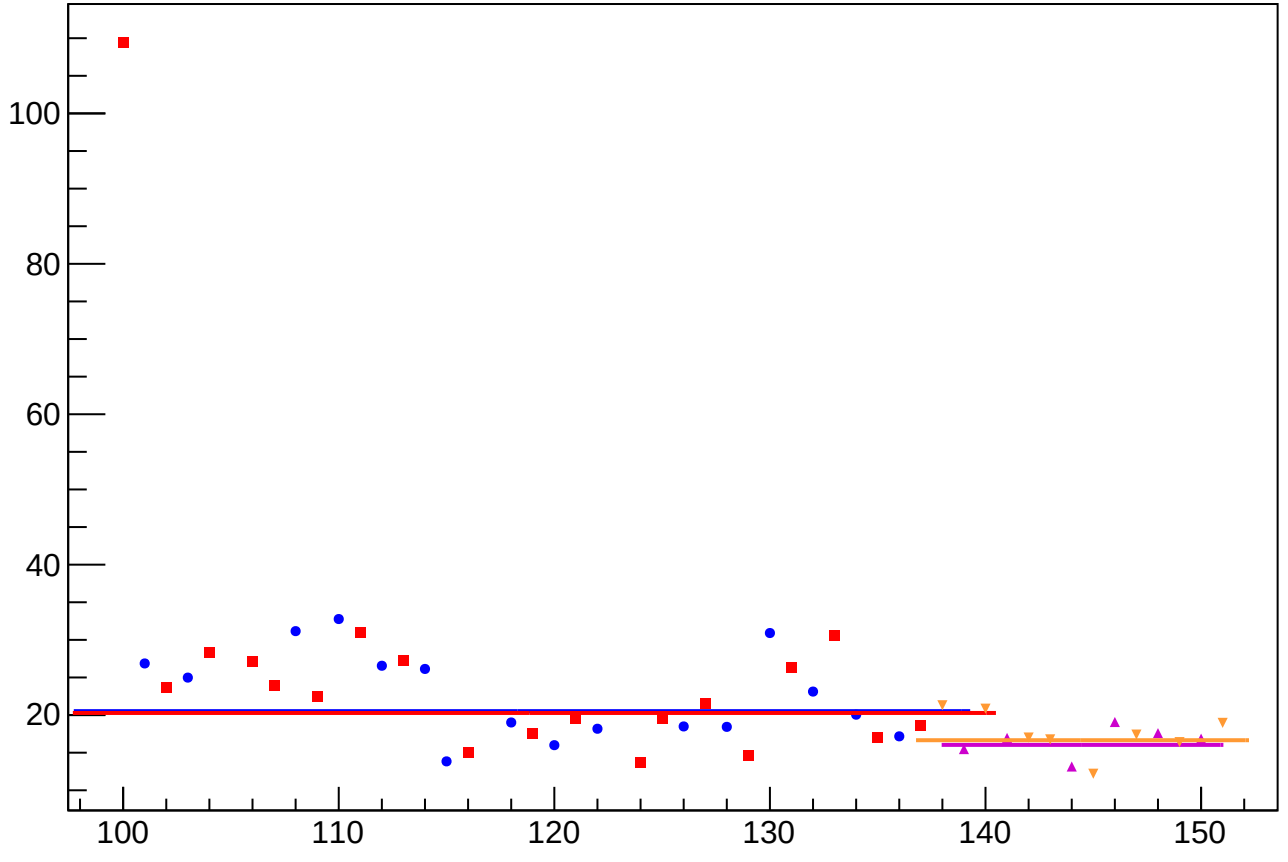
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/21

Out: -0.000+/-0.005 χ^2/NDF:28.8/26

All: -0.003+/-0.004 χ^2/NDF: 53.9/48

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: 16.657+/-0.005 χ^2/NDF:359358.6/7

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.037+/-0.005 χ^2/NDF:141811.5/5

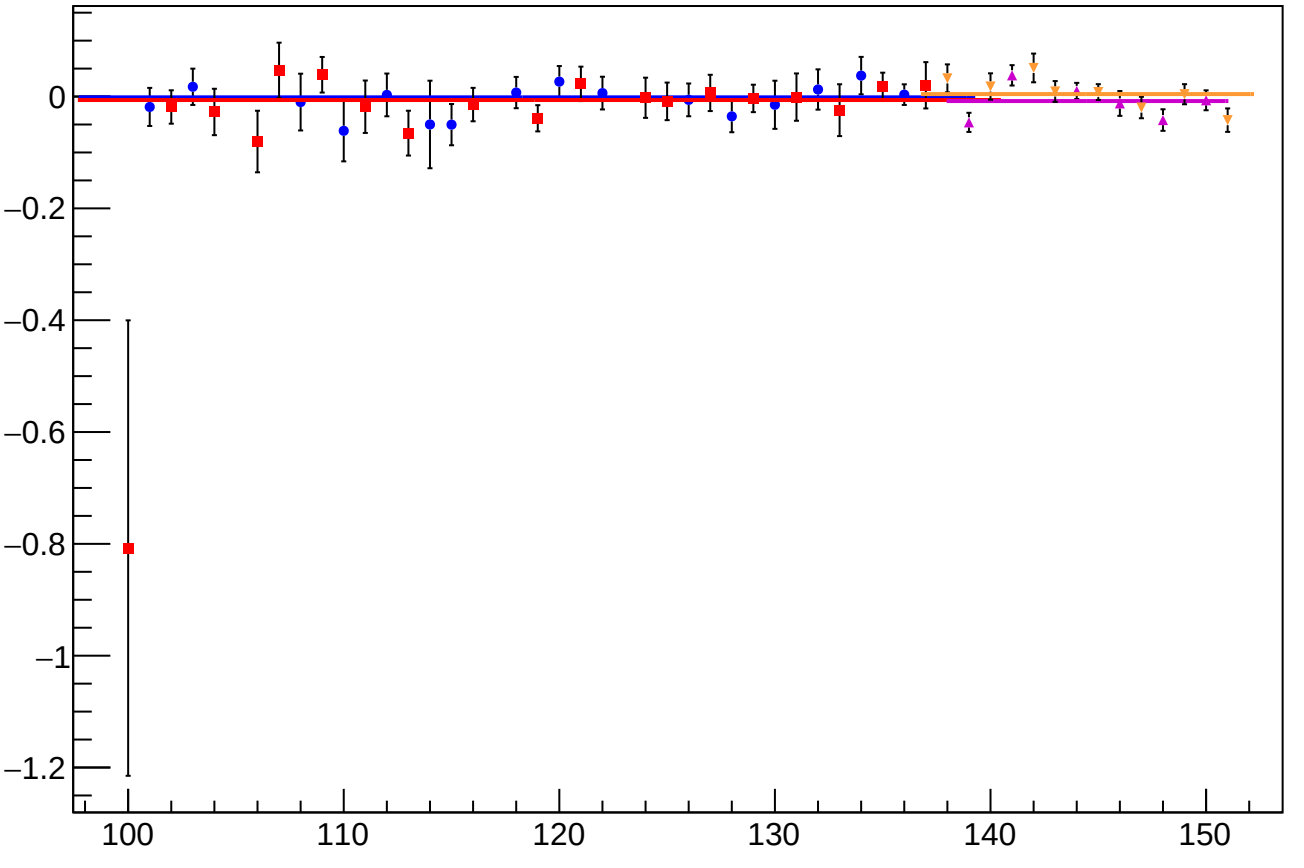
Left: 16.361+/-0.004 χ^2/NDF: 508833.9/13

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.038+/-0.004 χ^2/NDF:1190667.5/21

Out: 18.234+/-0.004 χ^2/NDF:1462579.0/26

All: 18.139+/-0.003 χ^2/NDF: 2654612.3/48



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.007 χ^2/NDF:16.1/5

Left: -0.002+/-0.005 χ^2/NDF: 29.2/13

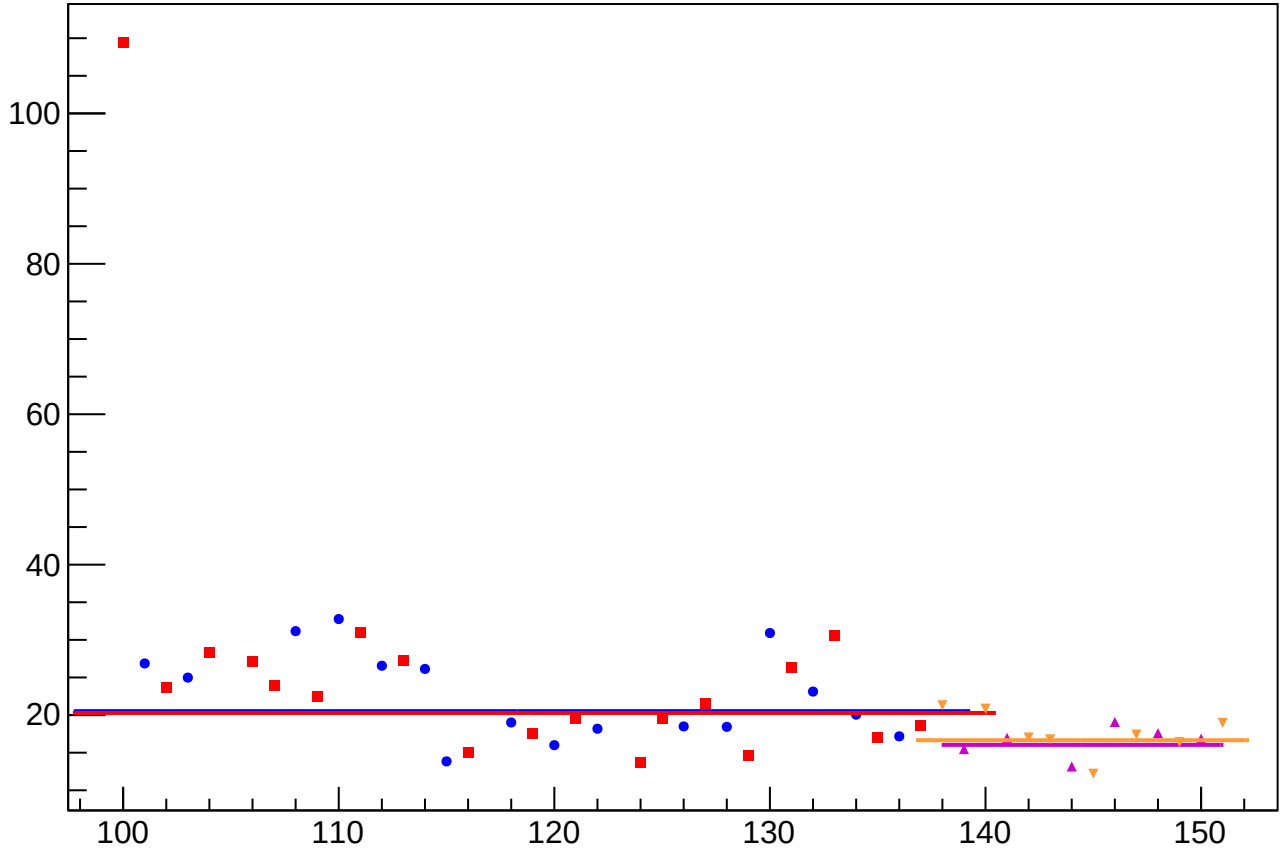
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/21

Out: -0.000+/-0.005 χ^2/NDF:28.8/26

All: -0.003+/-0.004 χ^2/NDF: 53.9/48

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: 16.657+/-0.005 χ^2/NDF:359358.6/7

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.037+/-0.005 χ^2/NDF:141811.5/5

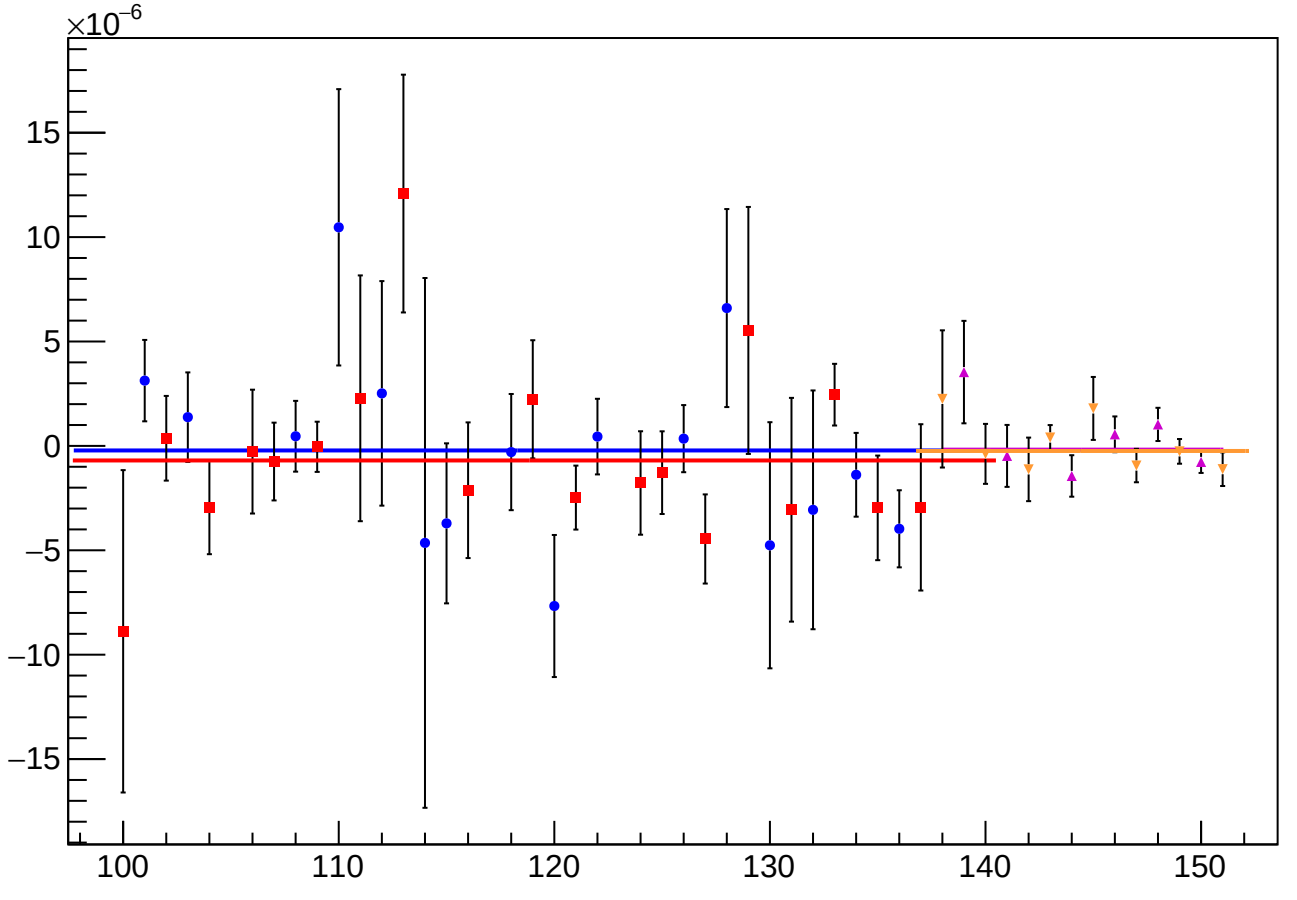
Left: 16.361+/-0.004 χ^2/NDF: 508833.9/13

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.038+/-0.004 χ^2/NDF:1190667.5/21

Out: 18.234+/-0.004 χ^2/NDF:1462579.0/26

All: 18.139+/-0.003 χ^2/NDF: 2654612.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/5

Left: -0.000+/-0.000 χ^2/NDF: 14.1/13

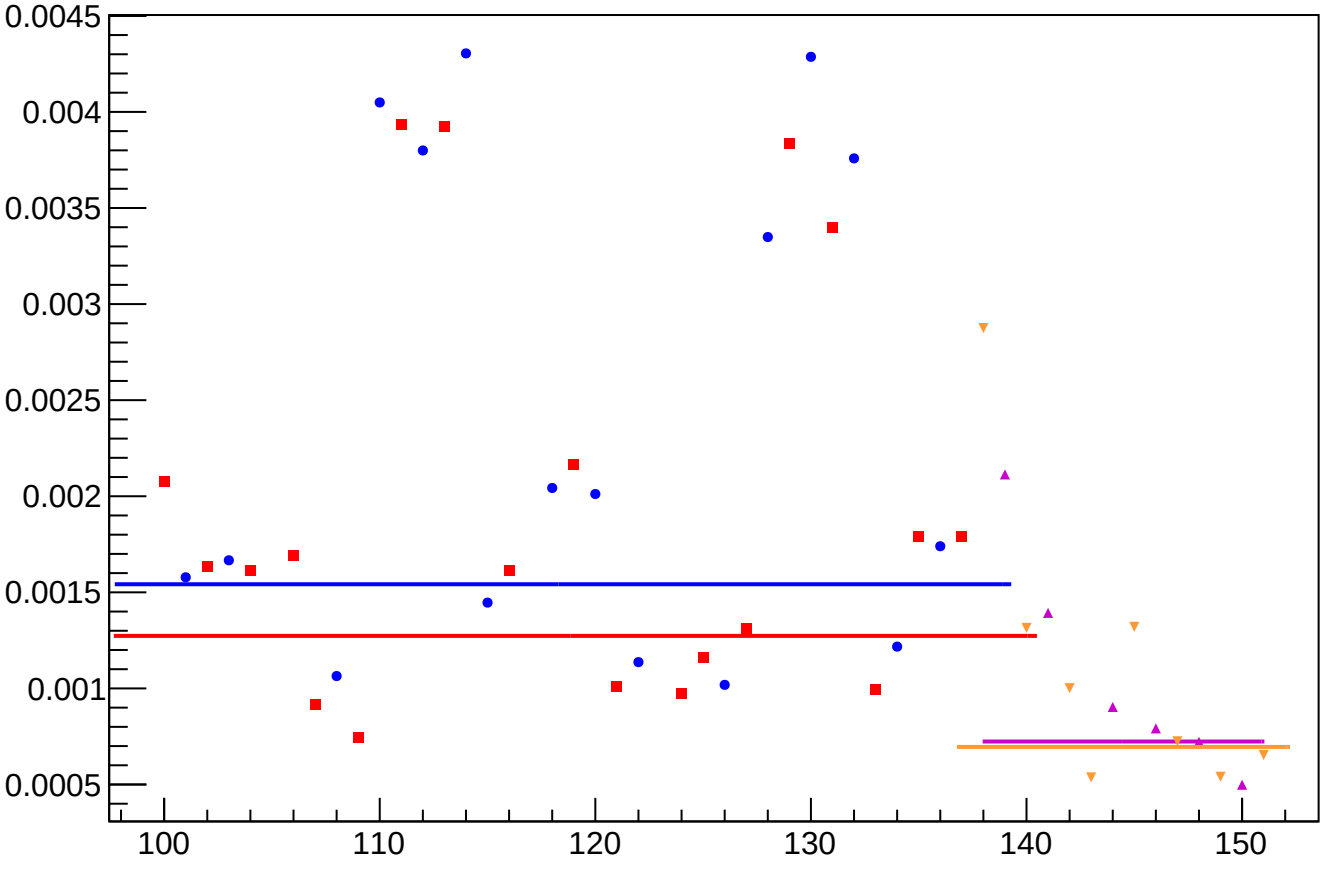
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:28.1/21

Out: -0.000+/-0.000 χ^2/NDF:27.4/26

All: -0.000+/-0.000 χ^2/NDF: 55.7/48

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:1963710.7/7

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1490320.0/5

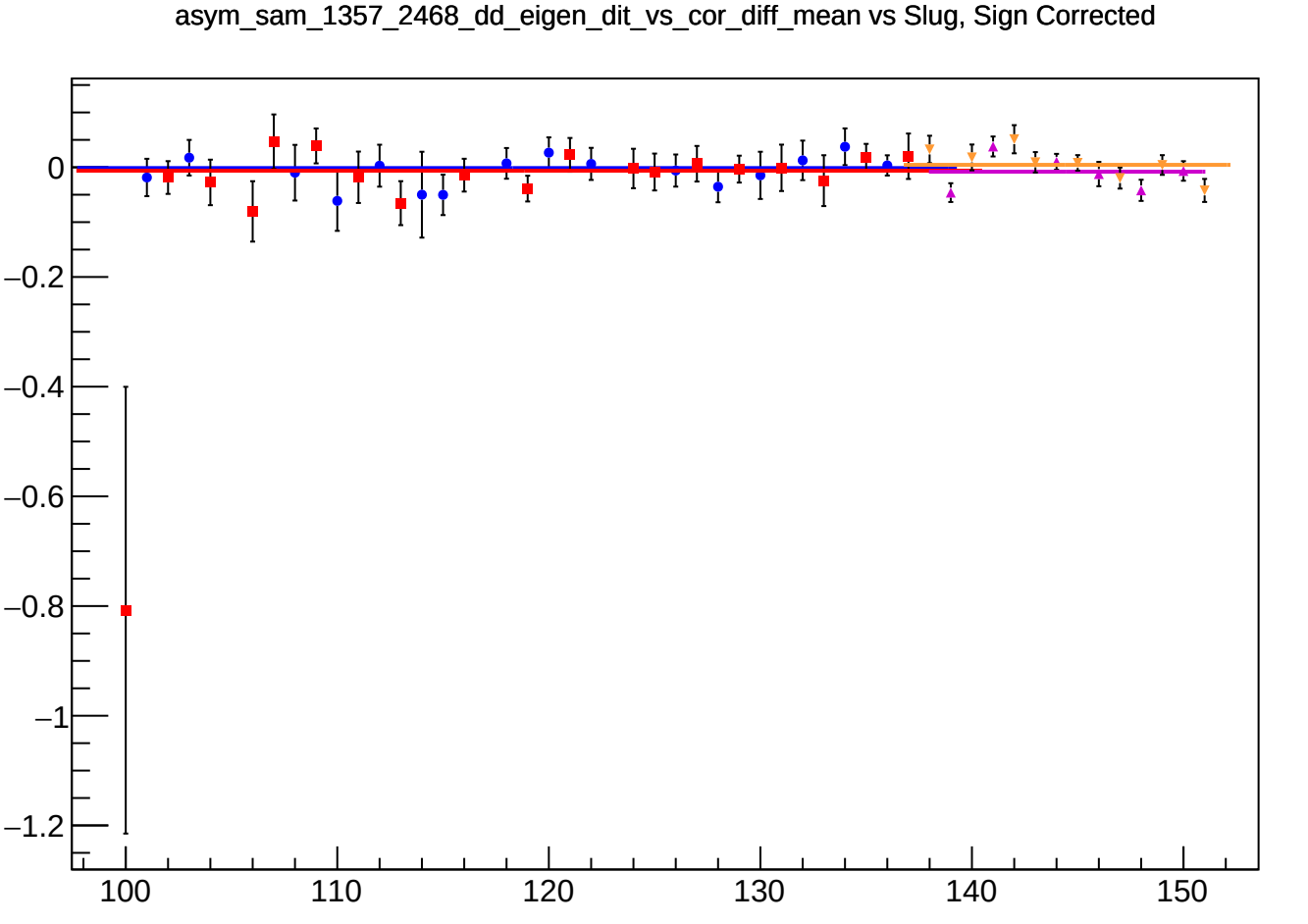
Left: 0.001+/-0.000 χ^2/NDF: 3461187.6/13

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:6481983.5/21

Out: 0.001+/-0.000 χ^2/NDF:6422893.3/26

All: 0.001+/-0.000 χ^2/NDF: 12962106.8/48



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.007 χ^2/NDF:16.1/5

Left: -0.002+/-0.005 χ^2/NDF: 29.2/13

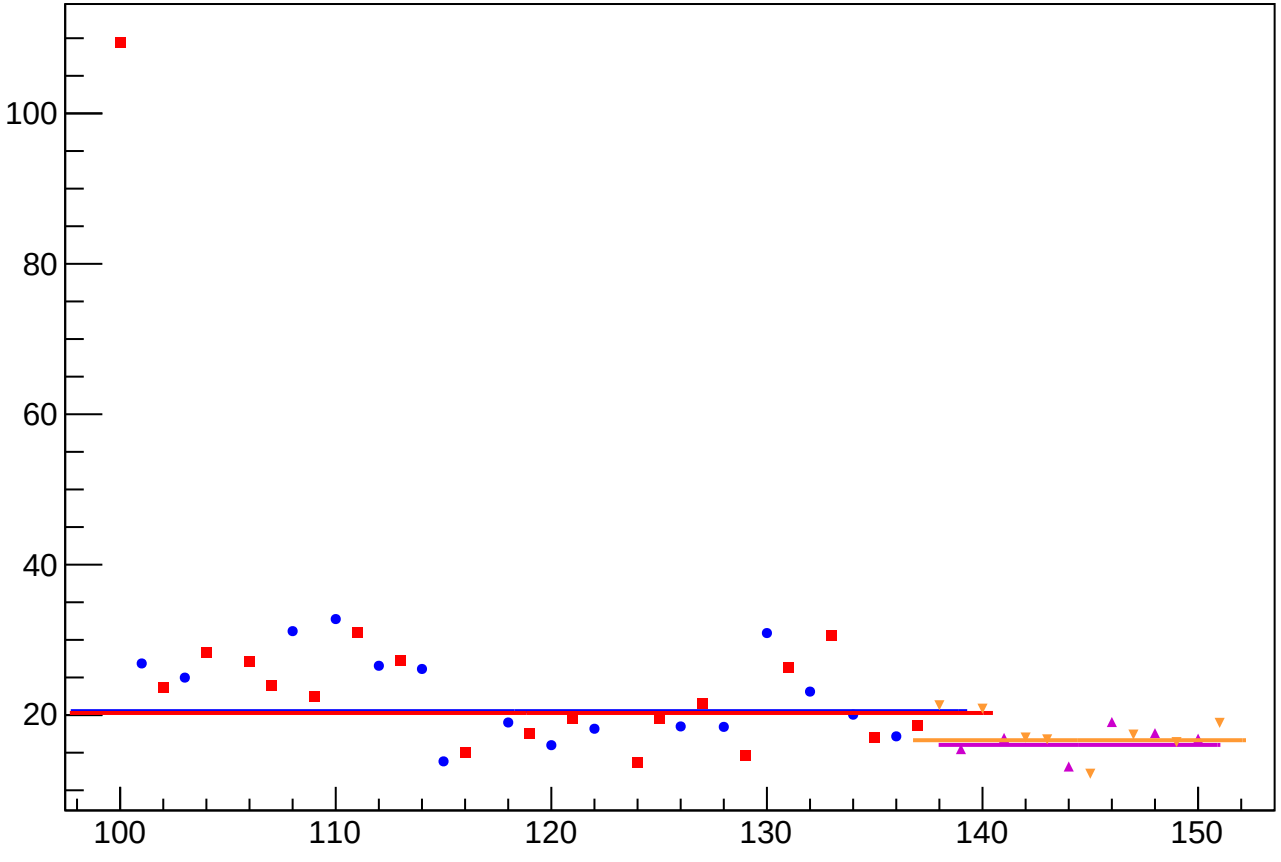
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/21

Out: -0.000+/-0.005 χ^2/NDF:28.8/26

All: -0.003+/-0.004 χ^2/NDF: 53.9/48

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: 16.657+/-0.005 χ^2/NDF:359291.4/7

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.037+/-0.005 χ^2/NDF:141812.3/5

Left: 16.361+/-0.004 χ^2/NDF: 508773.1/13

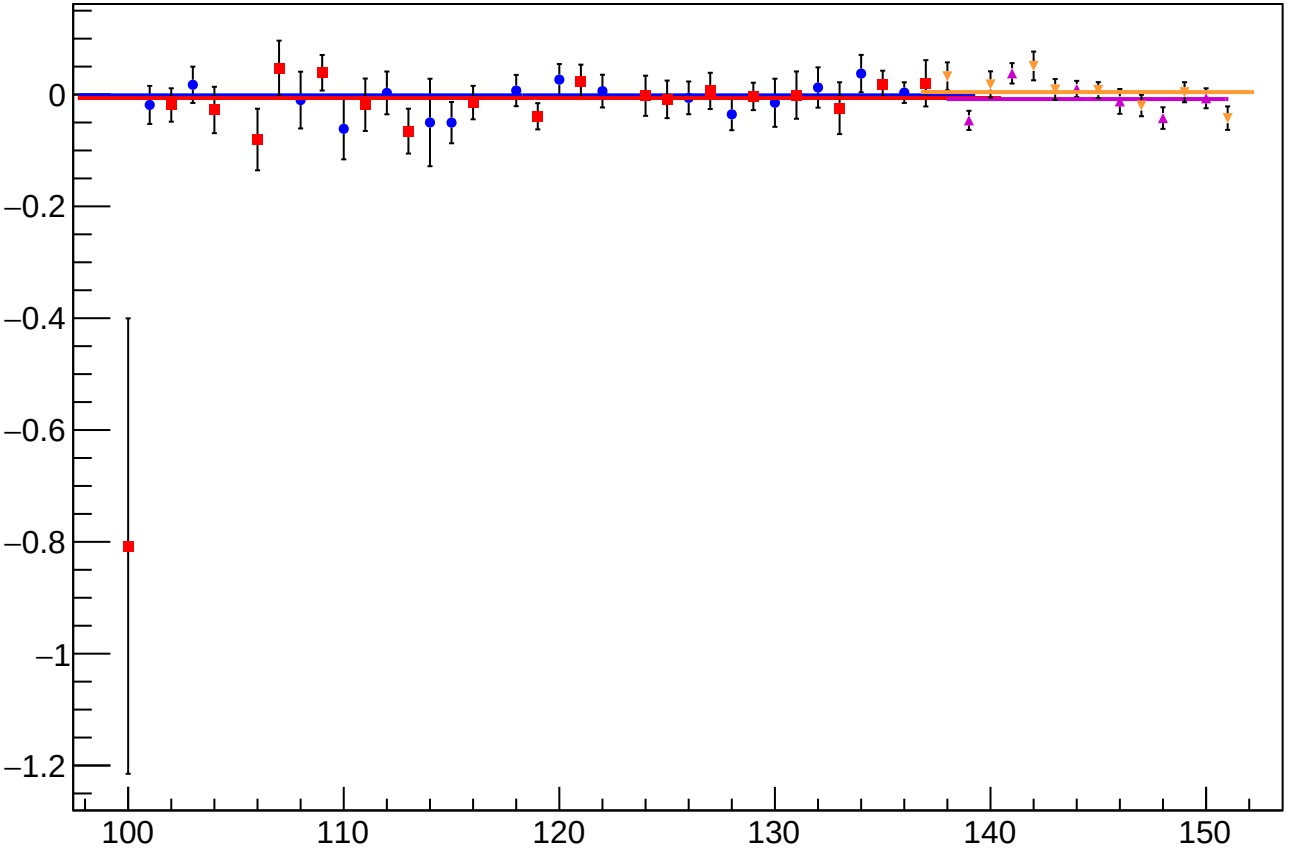
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.038+/-0.004 χ^2/NDF:1190478.3/21

Out: 18.233+/-0.004 χ^2/NDF:1462409.7/26

All: 18.139+/-0.003 χ^2/NDF: 2654255.1/48

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 χ^2/NDF:11.5/7

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.007 χ^2/NDF:16.1/5

Left: -0.002+/-0.005 χ^2/NDF: 29.2/13

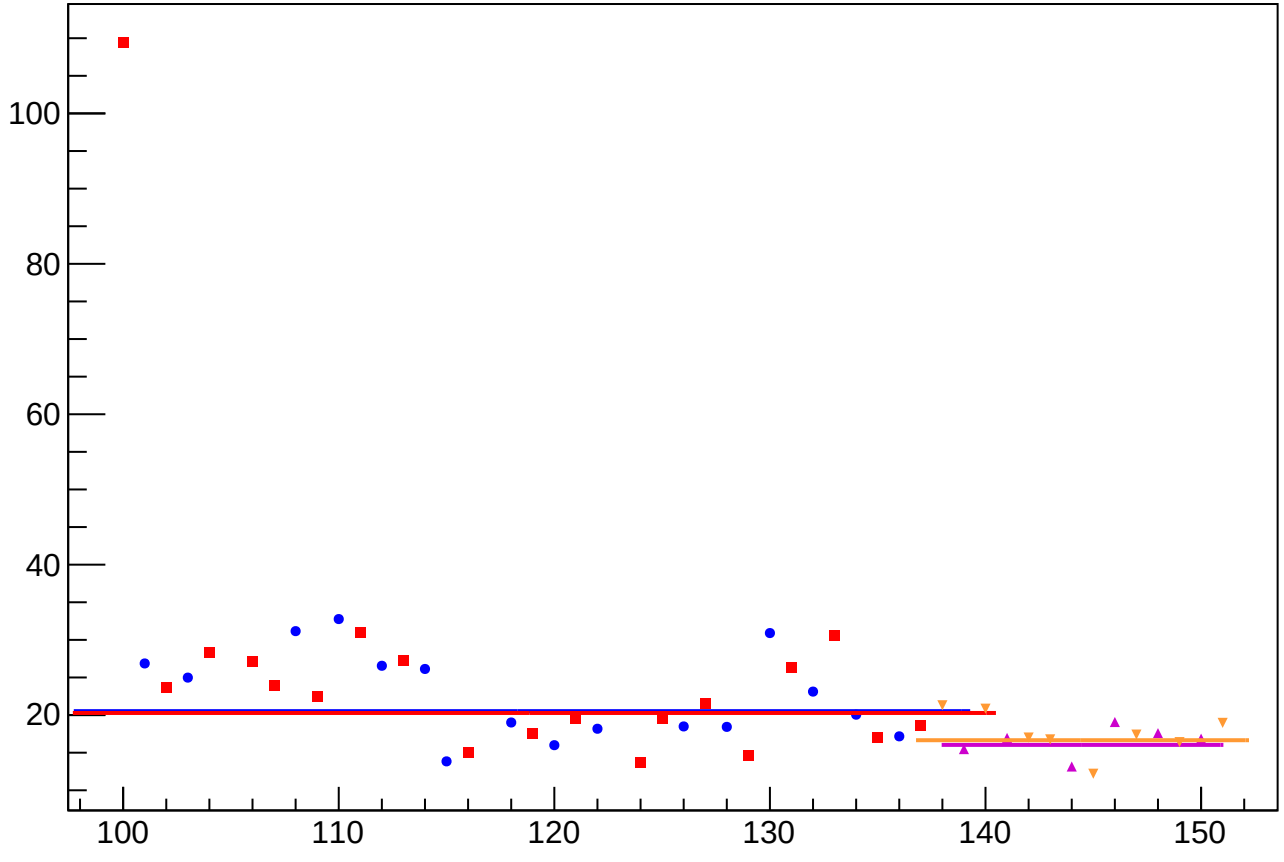
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/21

Out: -0.000+/-0.005 χ^2/NDF:28.8/26

All: -0.003+/-0.004 χ^2/NDF: 53.9/48

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: 16.657+/-0.005 χ^2/NDF:359291.4/7

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.037+/-0.005 χ^2/NDF:141812.3/5

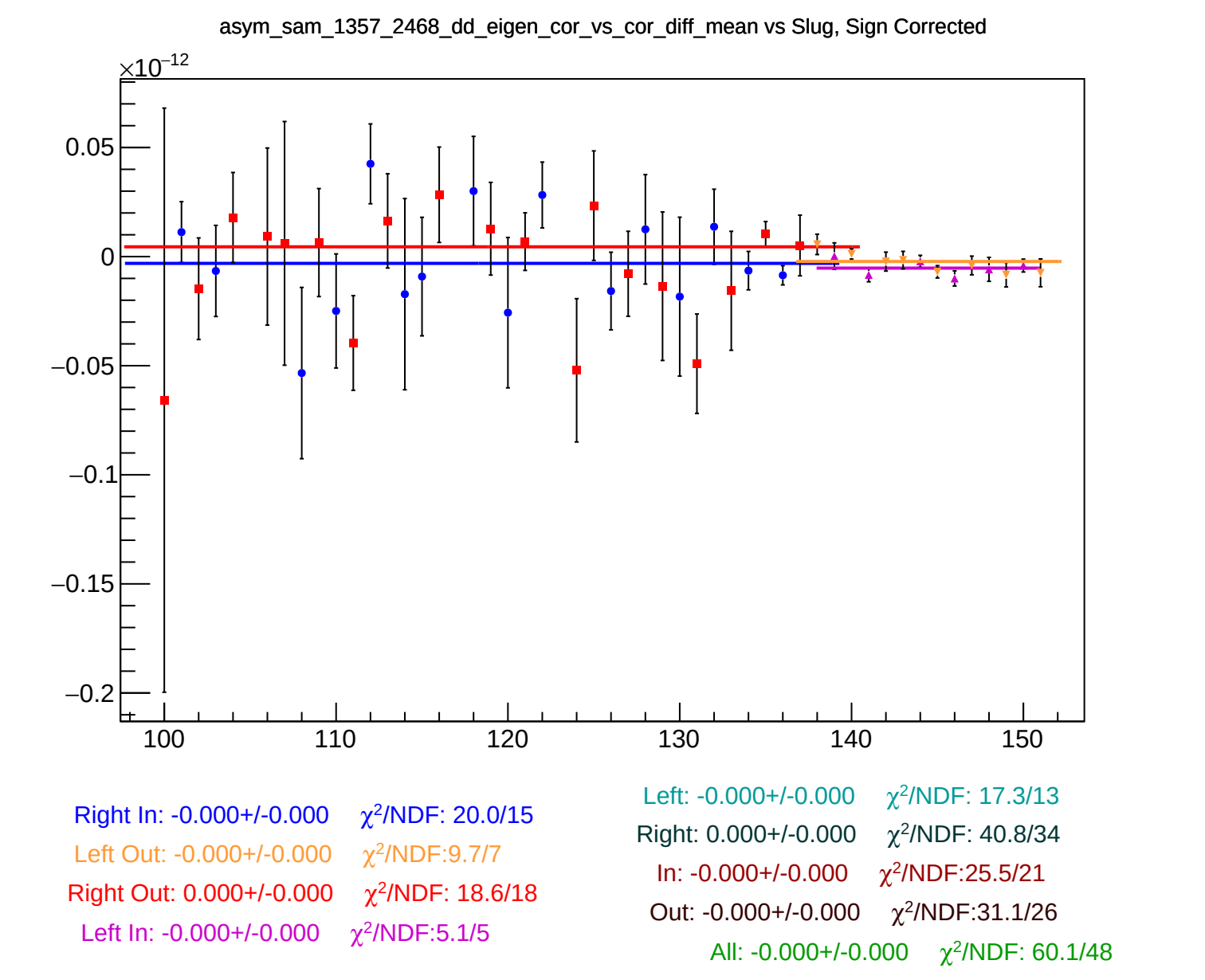
Left: 16.361+/-0.004 χ^2/NDF: 508773.1/13

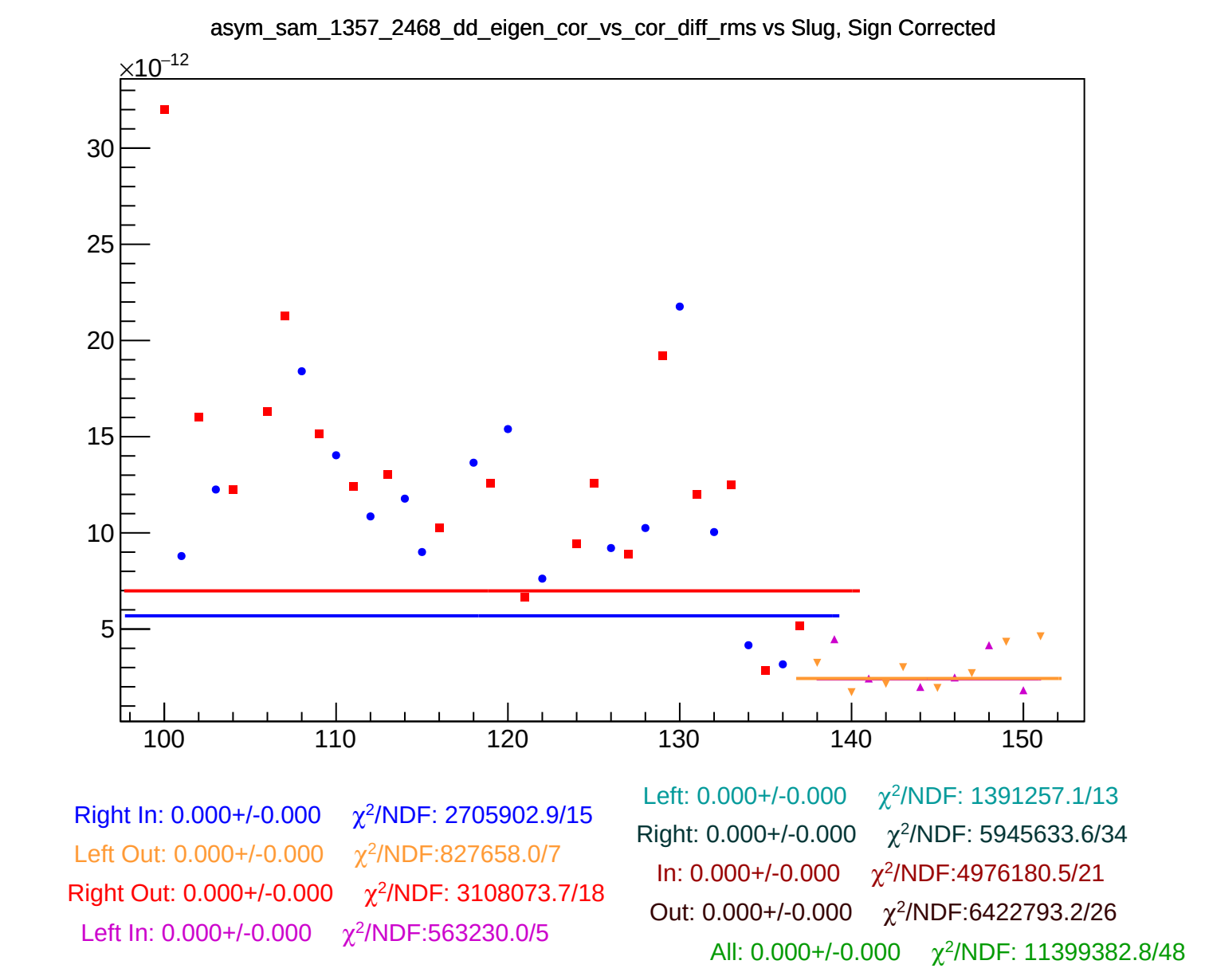
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

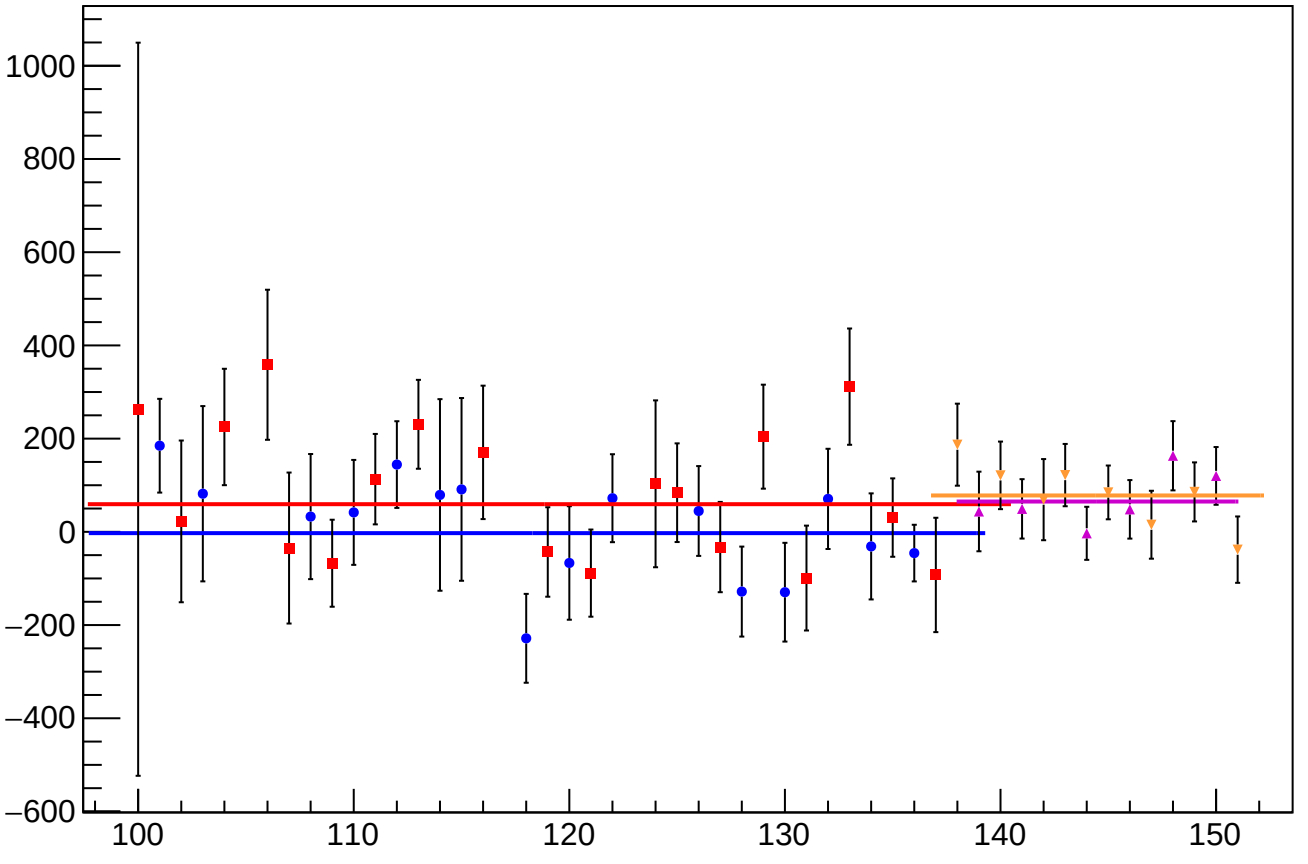
In: 18.038+/-0.004 χ^2/NDF:1190478.3/21

Out: 18.233+/-0.004 χ^2/NDF:1462409.7/26

All: 18.139+/-0.003 χ^2/NDF: 2654255.1/48


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
150
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:9.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 18.6/18
Left In: -0.000+/-0.000 χ²/NDF:5.1/5
Left: -0.000+/-0.000 χ²/NDF: 17.3/13
Right: 0.000+/-0.000 χ²/NDF: 40.8/34
In: -0.000+/-0.000 χ²/NDF:25.5/21
Out: -0.000+/-0.000 χ²/NDF:31.1/26
All: -0.000+/-0.000 χ²/NDF: 60.1/48


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
150
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:827658.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:563230.0/5
Left: 0.000+/-0.000 χ²/NDF: 1391257.1/13
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:4976180.5/21
Out: 0.000+/-0.000 χ²/NDF:6422793.2/26
All: 0.000+/-0.000 χ²/NDF: 11399382.8/48



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 78.051+/-24.920 χ^2/NDF:5.8/7

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 65.040+/-26.846 χ^2/NDF:4.2/5

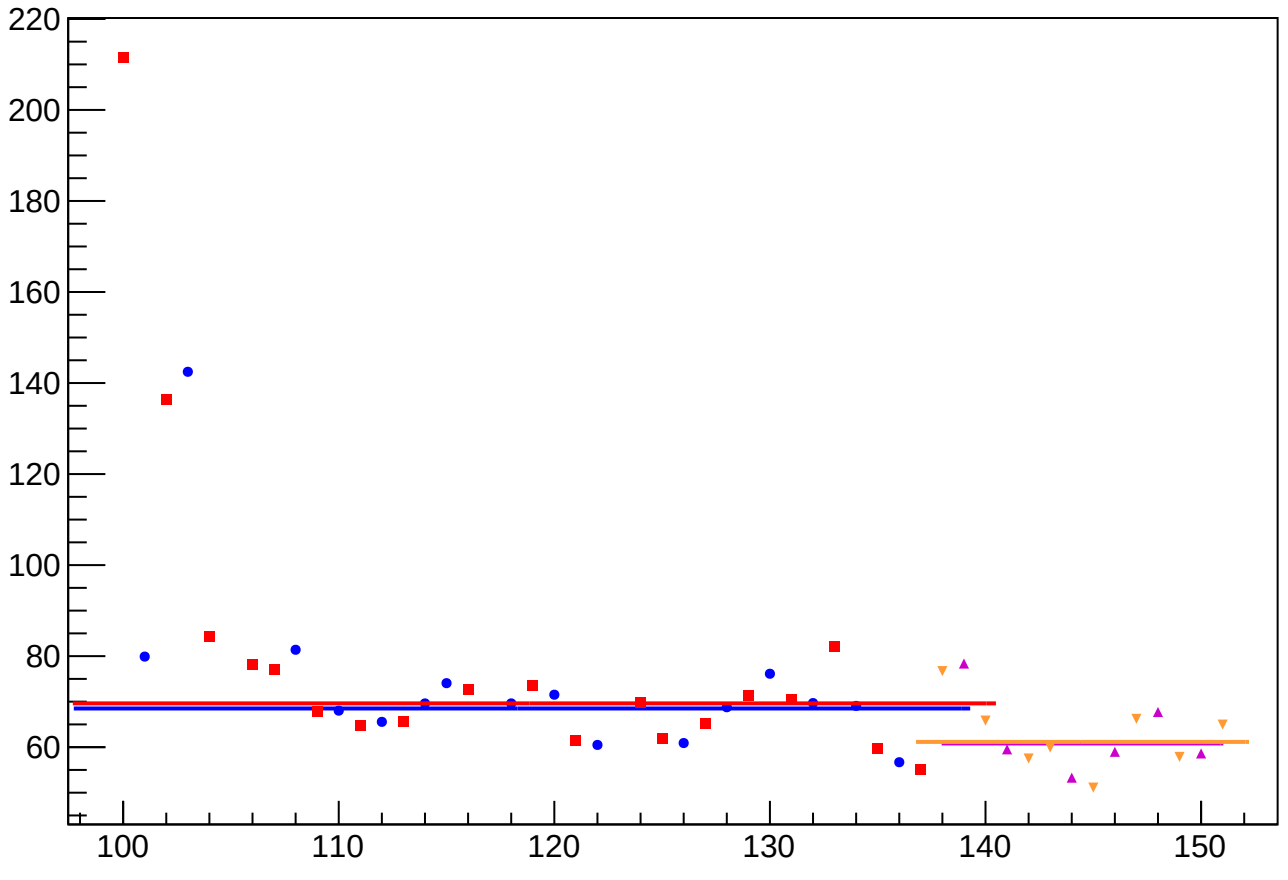
Left: 72.029+/-18.264 χ^2/NDF: 10.1/13

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 30.328+/-18.755 χ^2/NDF:25.1/21

Out: 69.232+/-18.116 χ^2/NDF:31.7/26

All: 50.454+/-13.030 χ^2/NDF: 59.1/48



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.159+/-0.018 χ^2/NDF:156298.5/7

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.806+/-0.019 χ^2/NDF:141705.9/5

Left: 60.996+/-0.013 χ^2/NDF: 298190.5/13

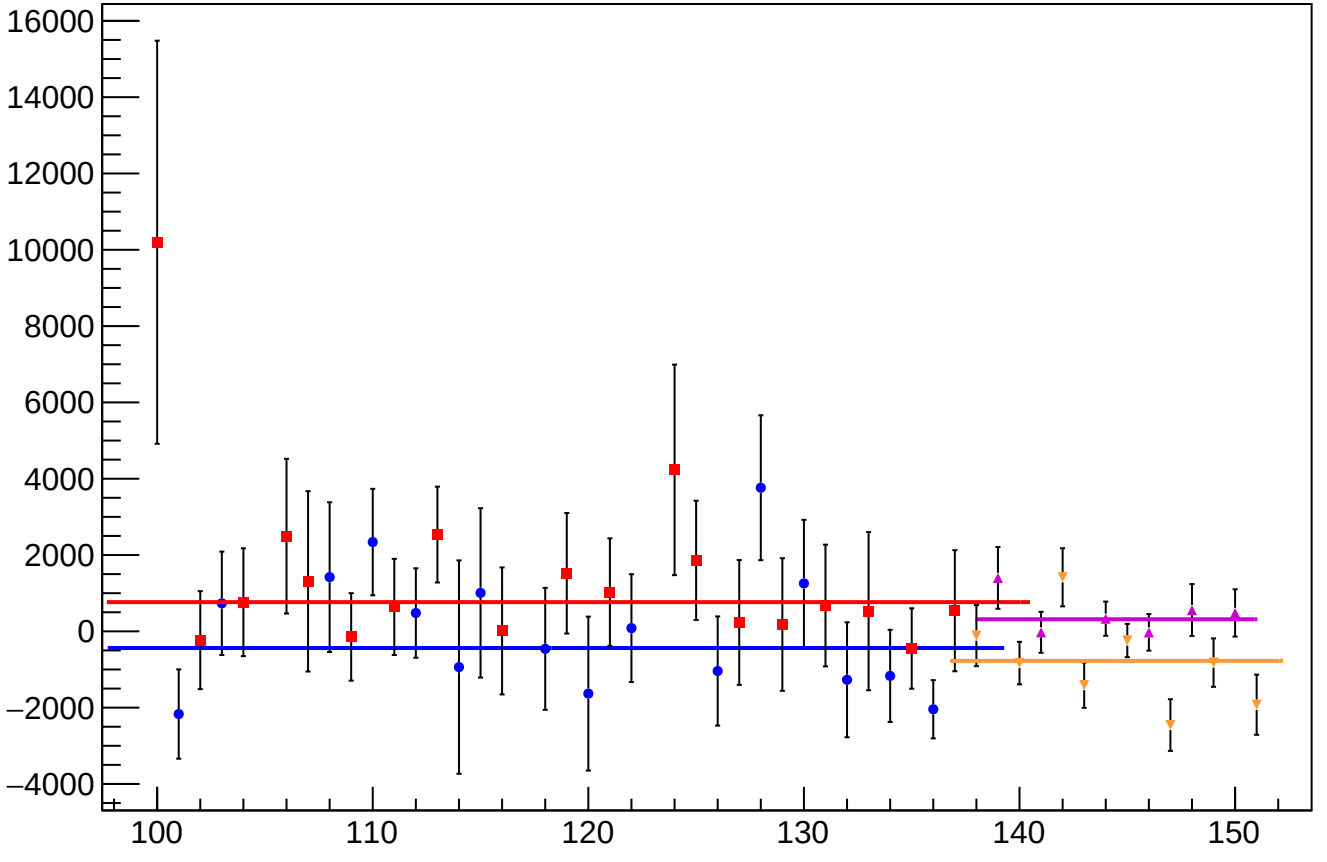
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 64.744+/-0.013 χ^2/NDF:697637.0/21

Out: 65.149+/-0.013 χ^2/NDF:785395.2/26

All: 64.953+/-0.009 χ^2/NDF: 1483513.6/48

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: -774.212+/-218.933 χ^2/NDF:19.9/7

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 316.625+/-228.786 χ^2/NDF:2.9/5

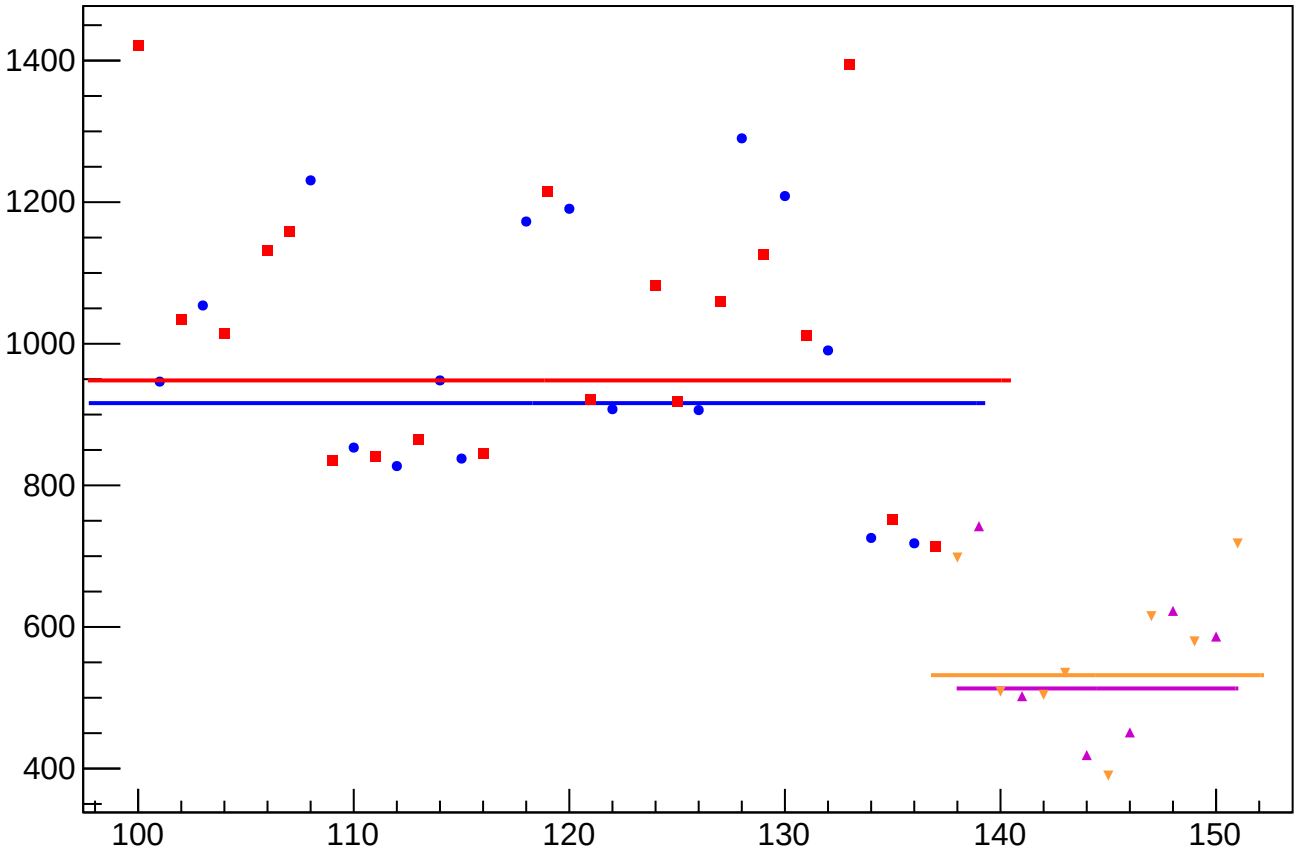
Left: -252.787+/-158.178 χ^2/NDF: 34.7/13

Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 89.862+/-191.318 χ^2/NDF:26.7/21

Out: -346.616+/-186.062 χ^2/NDF:45.0/26

All: -134.454+/-133.385 χ^2/NDF: 74.4/48



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 531.925+/-0.155 χ^2/NDF:456620.3/7

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 513.154+/-0.162 χ^2/NDF:362954.9/5

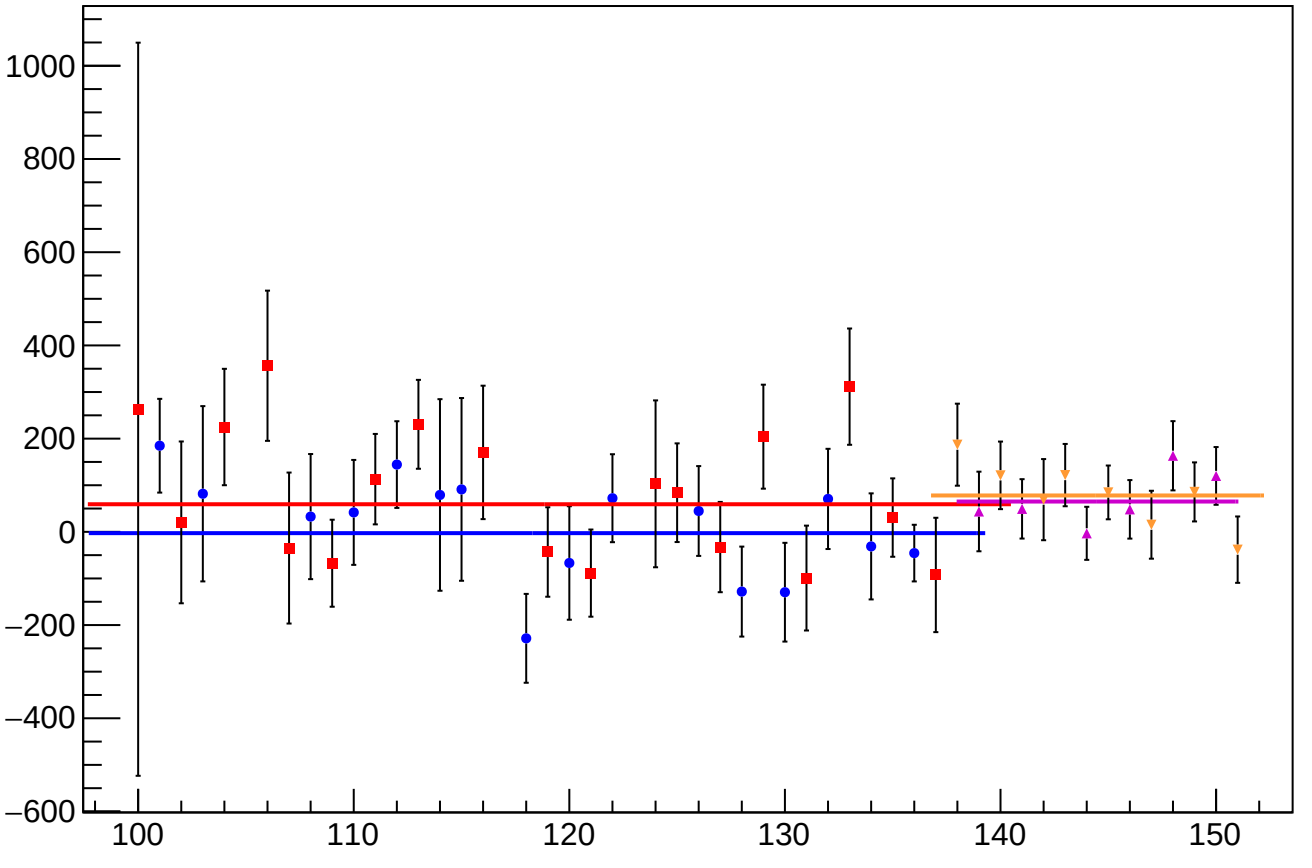
Left: 522.952+/-0.112 χ^2/NDF: 826603.0/13

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 634.348+/-0.135 χ^2/NDF:2738360.8/21

Out: 647.551+/-0.132 χ^2/NDF:2880348.9/26

All: 641.134+/-0.094 χ^2/NDF: 5623604.9/48



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 78.058+/-24.920 χ^2/NDF:5.8/7

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 65.041+/-26.846 χ^2/NDF:4.2/5

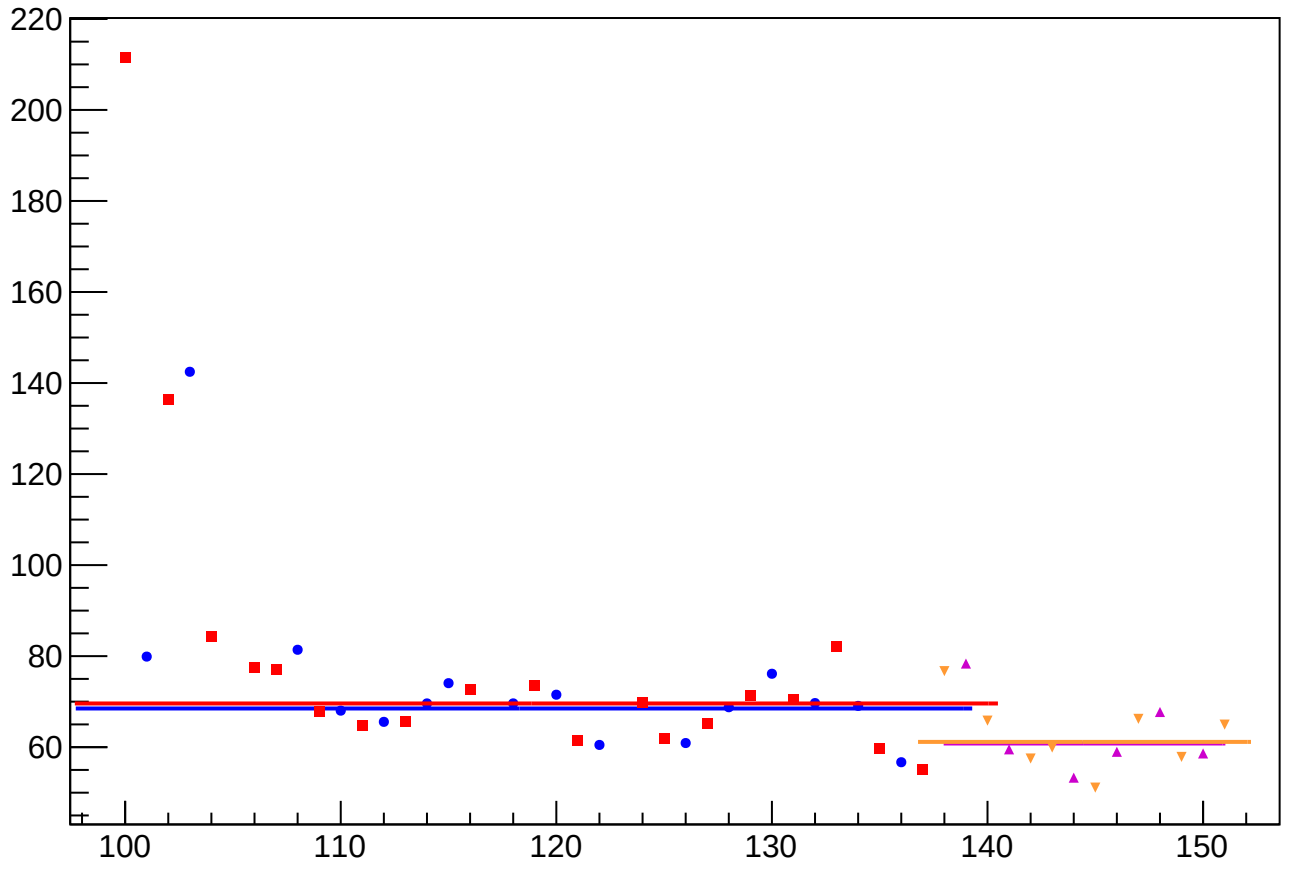
Left: 72.033+/-18.264 χ^2/NDF: 10.1/13

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 30.325+/-18.755 χ^2/NDF:25.1/21

Out: 69.179+/-18.116 χ^2/NDF:31.7/26

All: 50.425+/-13.030 χ^2/NDF: 59.0/48



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.159+/-0.018 χ^2/NDF:156298.5/7

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.806+/-0.019 χ^2/NDF:141705.9/5

Left: 60.996+/-0.013 χ^2/NDF: 298190.5/13

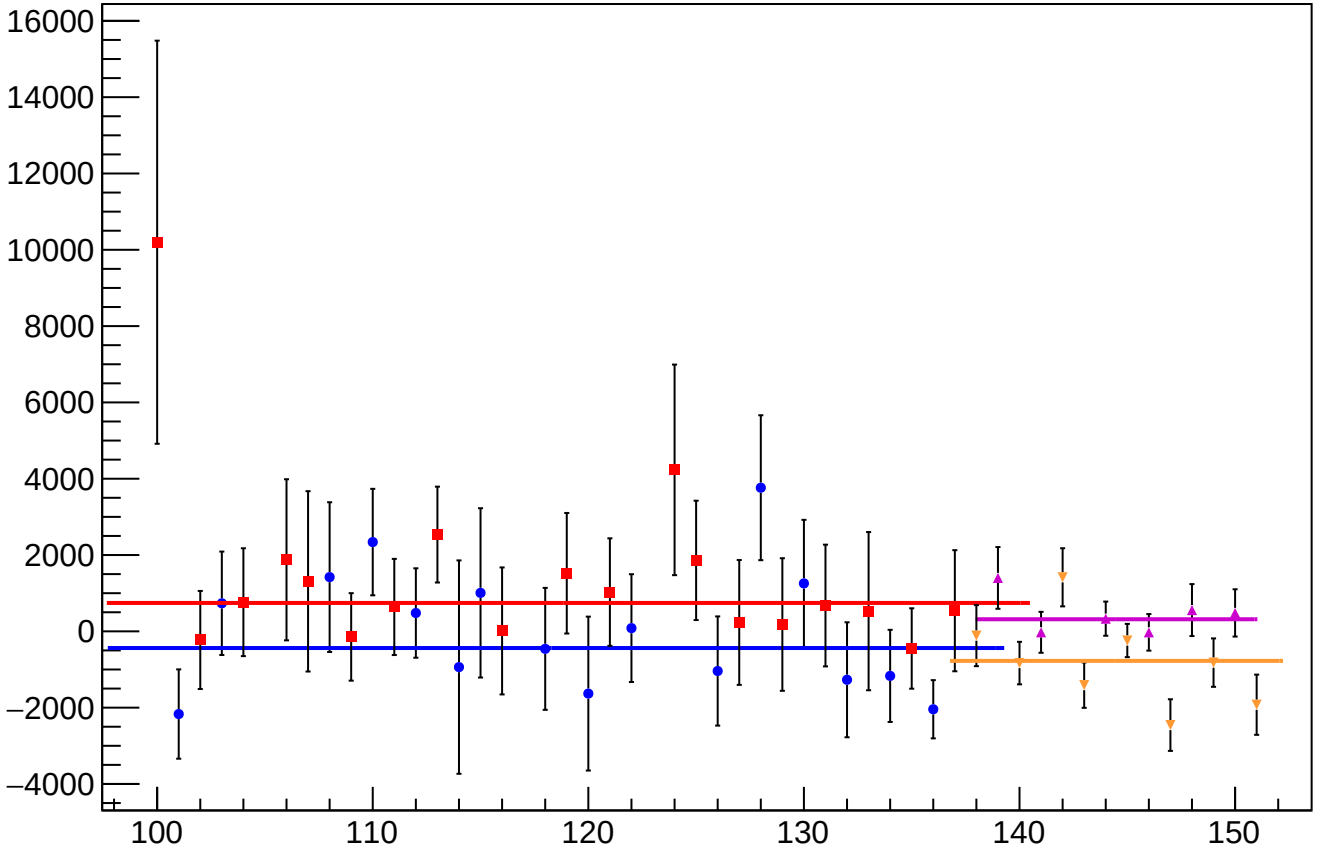
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.744+/-0.013 χ^2/NDF:697640.0/21

Out: 65.139+/-0.013 χ^2/NDF:784281.4/26

All: 64.949+/-0.009 χ^2/NDF: 1482381.0/48

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: -774.204+/-218.933 χ^2/NDF:19.9/7

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 316.630+/-228.786 χ^2/NDF:2.9/5

Left: -252.781+/-158.178 χ^2/NDF: 34.7/13

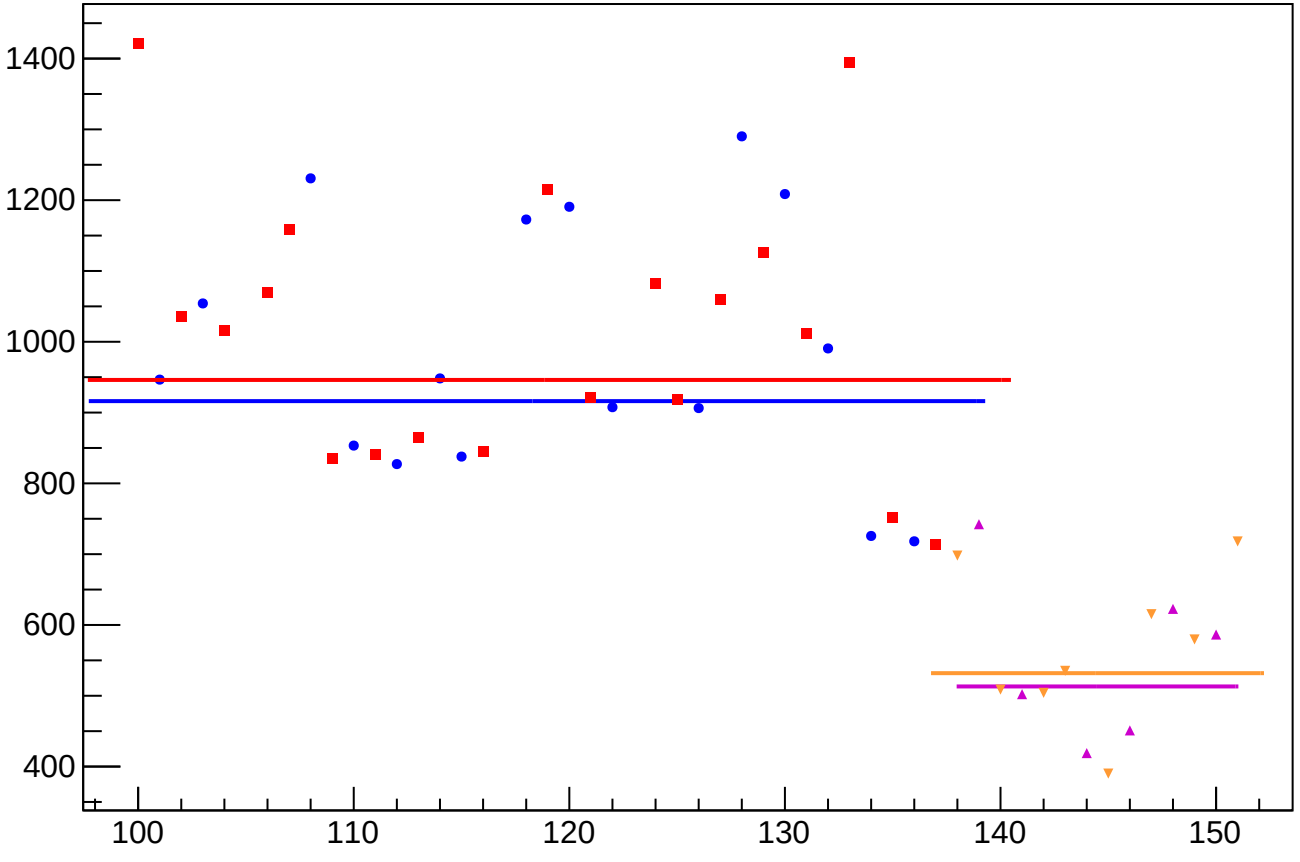
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 89.876+/-191.318 χ^2/NDF:26.7/21

Out: -353.181+/-186.126 χ^2/NDF:44.1/26

All: -137.746+/-133.409 χ^2/NDF: 73.6/48

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: 531.925+/-0.155 χ^2/NDF:456623.0/7

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 513.154+/-0.162 χ^2/NDF:362953.9/5

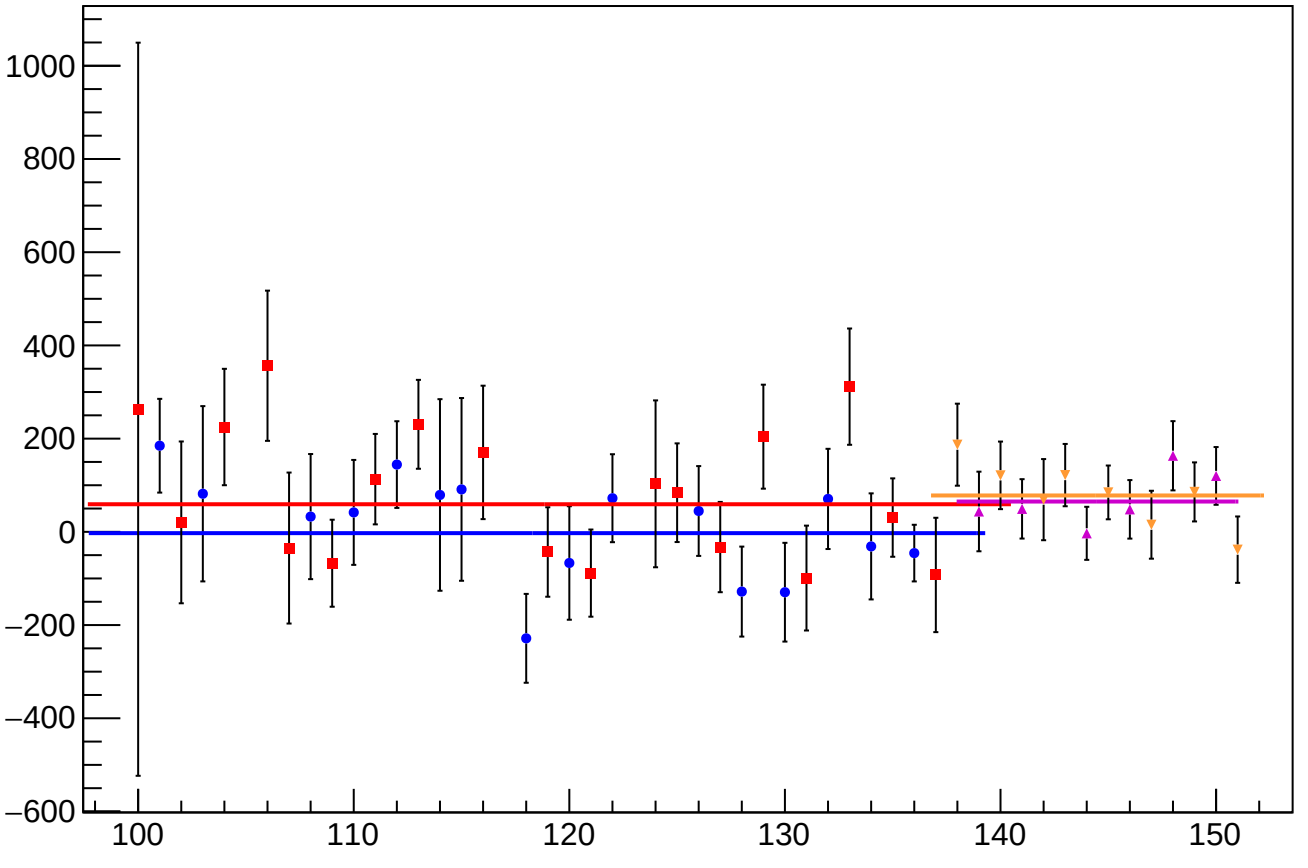
Left: 522.952+/-0.112 χ^2/NDF: 826604.3/13

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 634.349+/-0.135 χ^2/NDF:2738402.0/21

Out: 646.751+/-0.132 χ^2/NDF:2846409.9/26

All: 640.720+/-0.094 χ^2/NDF: 5589129.8/48



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 78.058+/-24.920 χ^2/NDF:5.8/7

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 65.041+/-26.846 χ^2/NDF:4.2/5

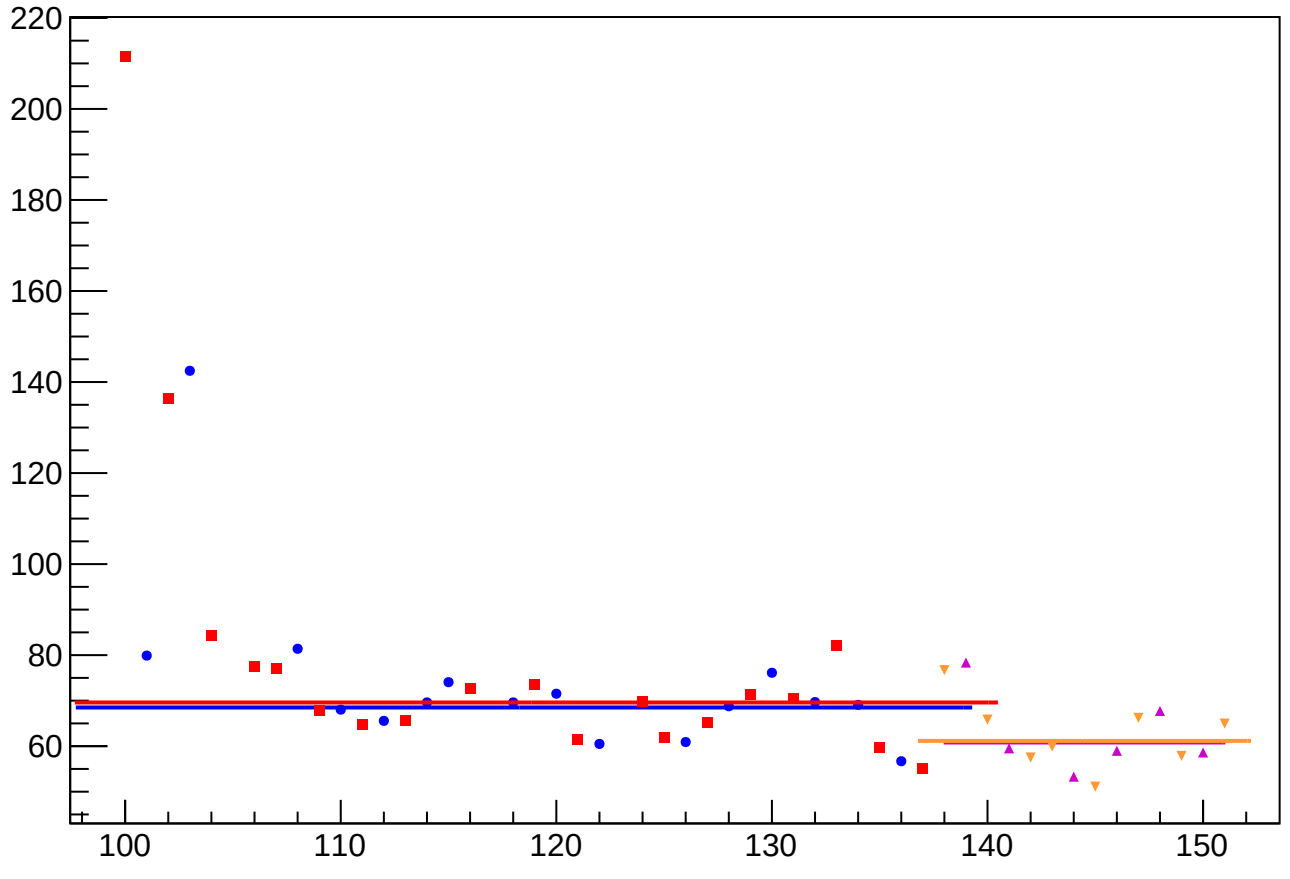
Left: 72.033+/-18.264 χ^2/NDF: 10.1/13

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 30.325+/-18.755 χ^2/NDF:25.1/21

Out: 69.179+/-18.116 χ^2/NDF:31.7/26

All: 50.425+/-13.030 χ^2/NDF: 59.0/48



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.159+/-0.018 χ^2/NDF:156298.5/7

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.806+/-0.019 χ^2/NDF:141705.9/5

Left: 60.996+/-0.013 χ^2/NDF: 298190.5/13

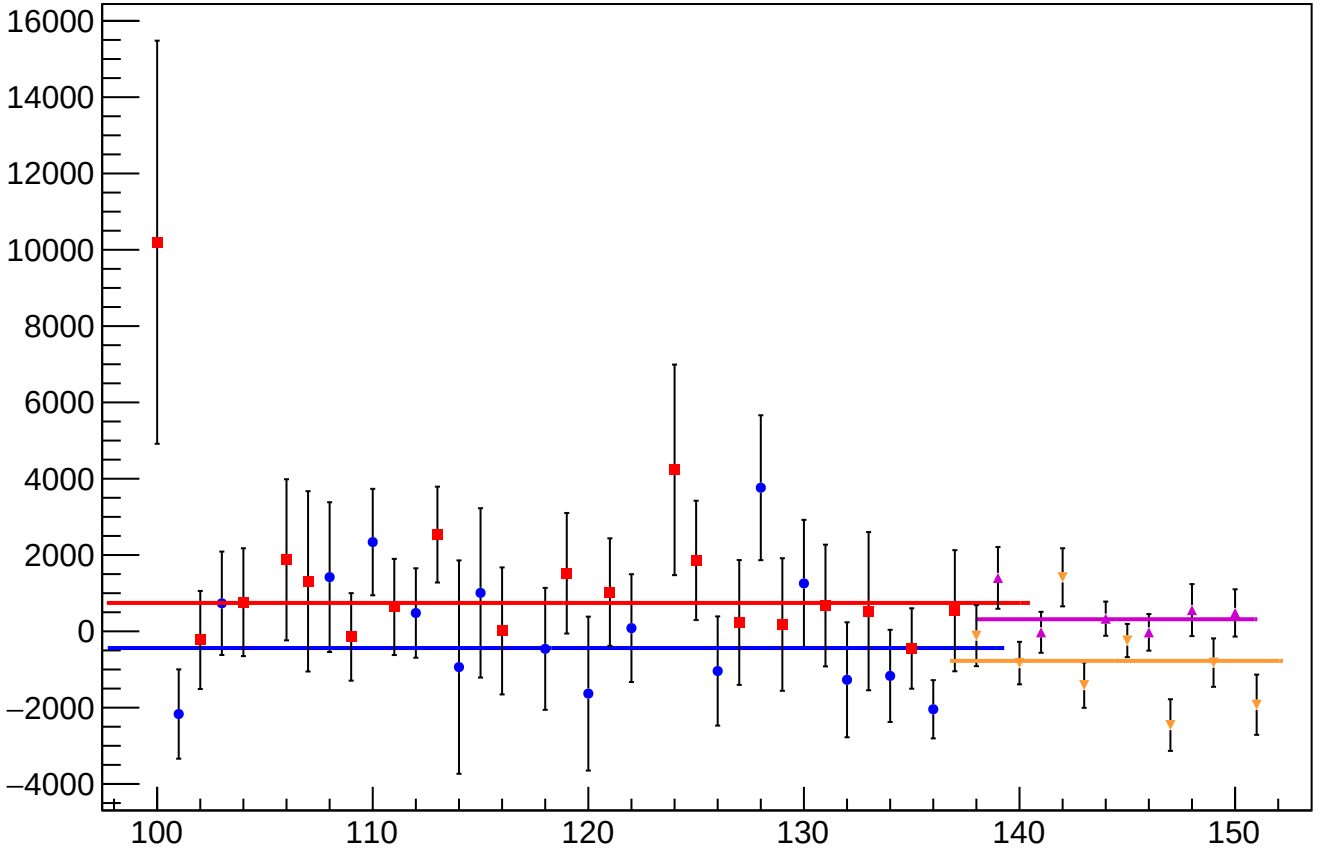
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.744+/-0.013 χ^2/NDF:697640.0/21

Out: 65.139+/-0.013 χ^2/NDF:784281.4/26

All: 64.949+/-0.009 χ^2/NDF: 1482381.0/48

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: -774.204+/-218.933 χ^2/NDF:19.9/7

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 316.630+/-228.786 χ^2/NDF:2.9/5

Left: -252.781+/-158.178 χ^2/NDF: 34.7/13

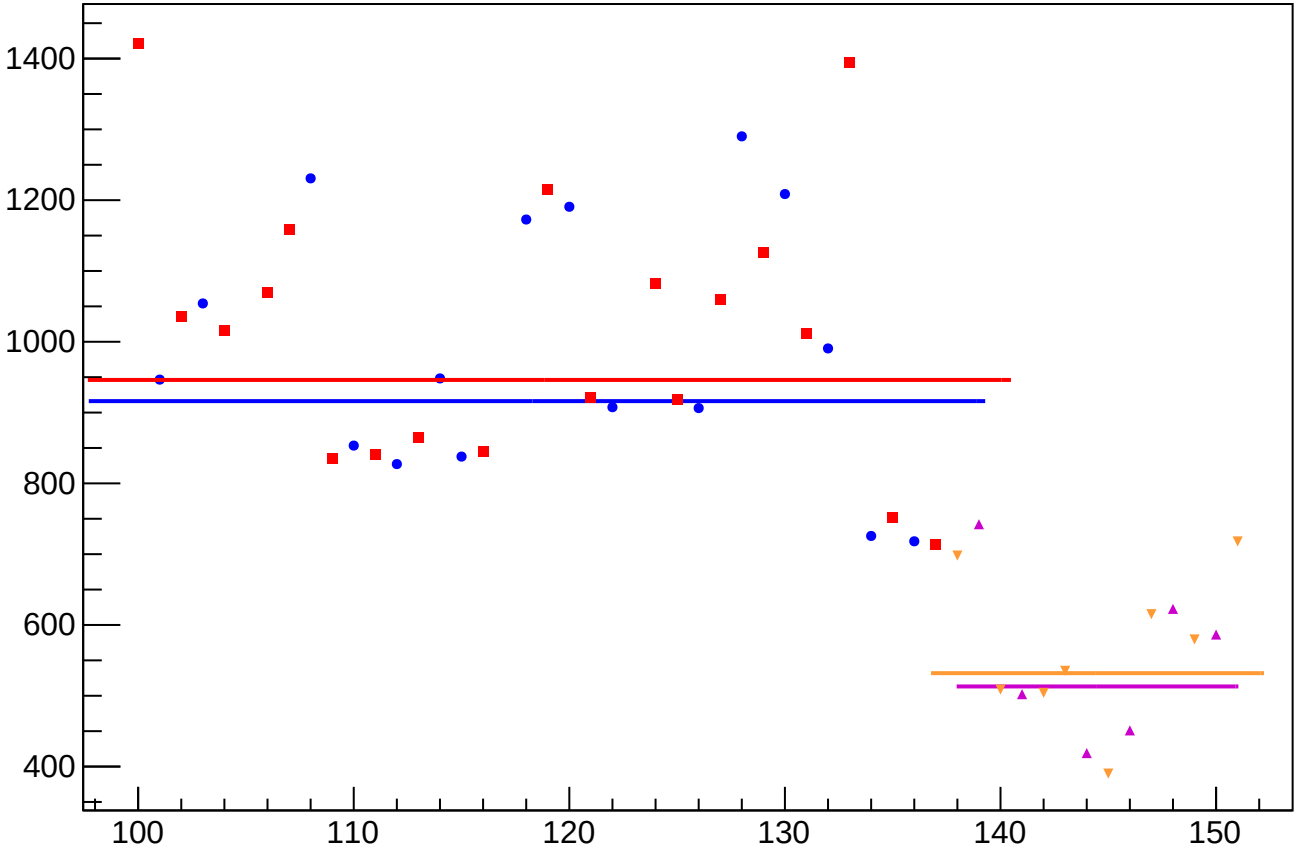
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 89.876+/-191.318 χ^2/NDF:26.7/21

Out: -353.181+/-186.126 χ^2/NDF:44.1/26

All: -137.746+/-133.409 χ^2/NDF: 73.6/48

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: 531.925+/-0.155 χ^2/NDF:456623.0/7

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 513.154+/-0.162 χ^2/NDF:362953.9/5

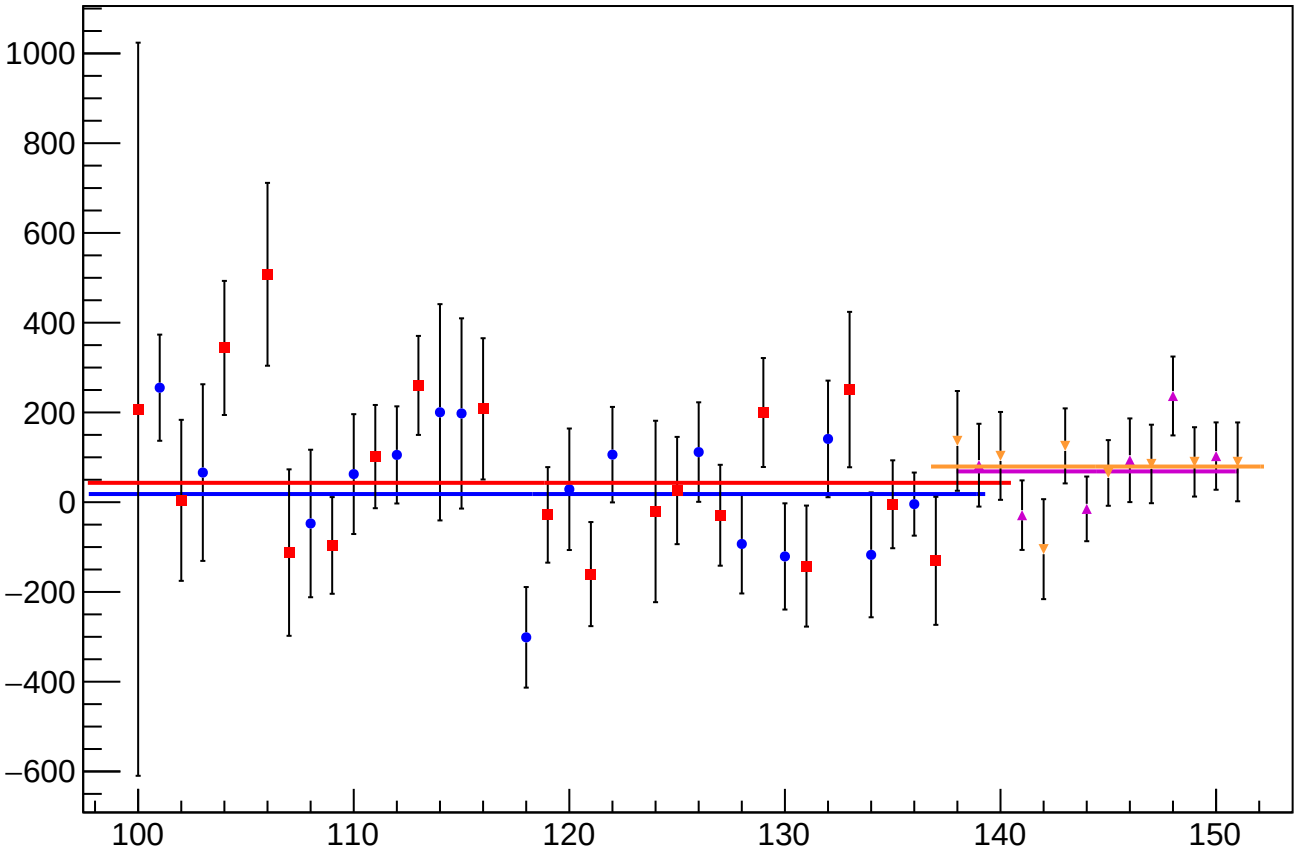
Left: 522.952+/-0.112 χ^2/NDF: 826604.3/13

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 634.349+/-0.135 χ^2/NDF:2738402.0/21

Out: 646.751+/-0.132 χ^2/NDF:2846409.9/26

All: 640.720+/-0.094 χ^2/NDF: 5589129.8/48



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 79.468+/-31.258 χ^2/NDF:3.4/7

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 68.583+/-33.357 χ^2/NDF:6.9/5

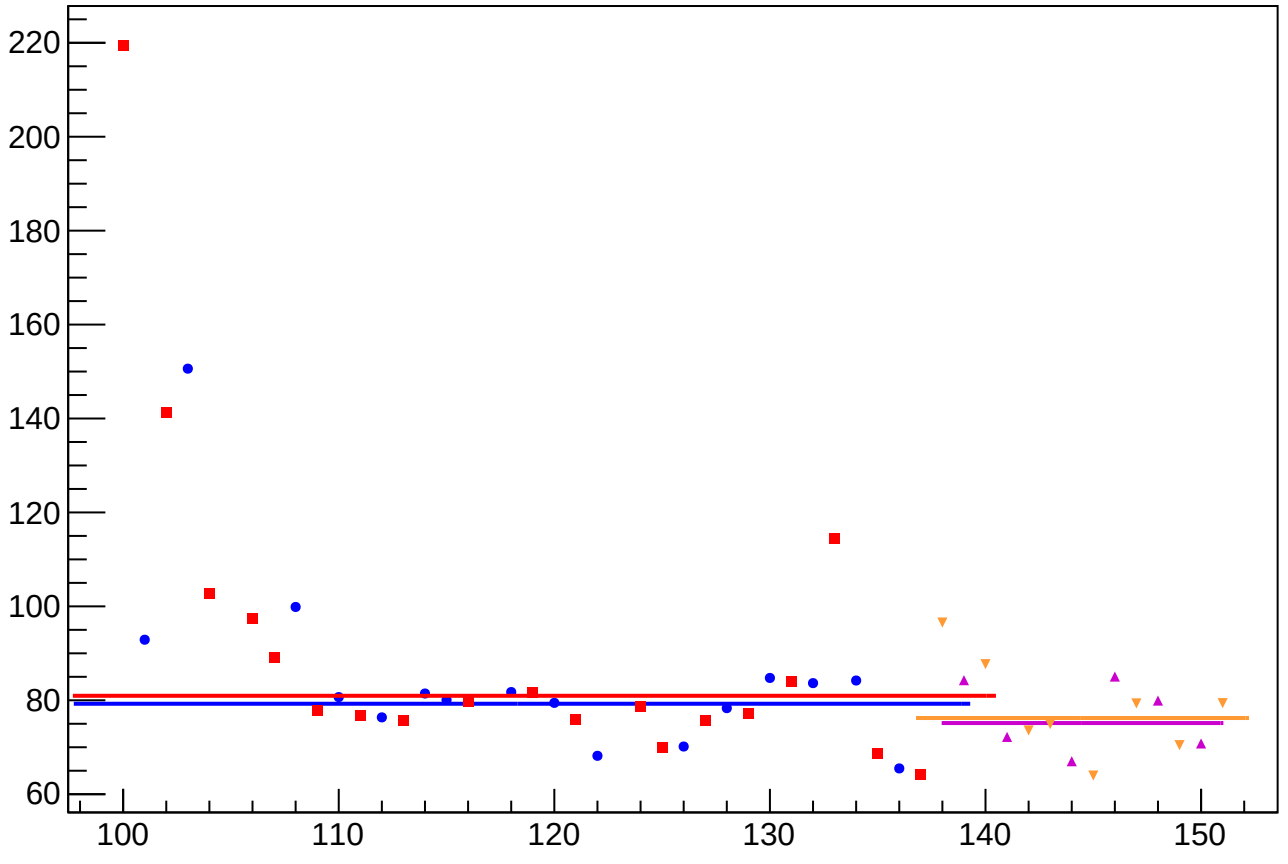
Left: 74.378+/-22.809 χ^2/NDF: 10.4/13

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 41.002+/-22.447 χ^2/NDF:28.3/21

Out: 60.984+/-21.905 χ^2/NDF:31.8/26

All: 51.237+/-15.677 χ^2/NDF: 60.5/48



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 76.225+/-0.022 χ^2/NDF:168314.4/7

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 75.155+/-0.024 χ^2/NDF:83113.7/5

Left: 75.725+/-0.016 χ^2/NDF: 252523.2/13

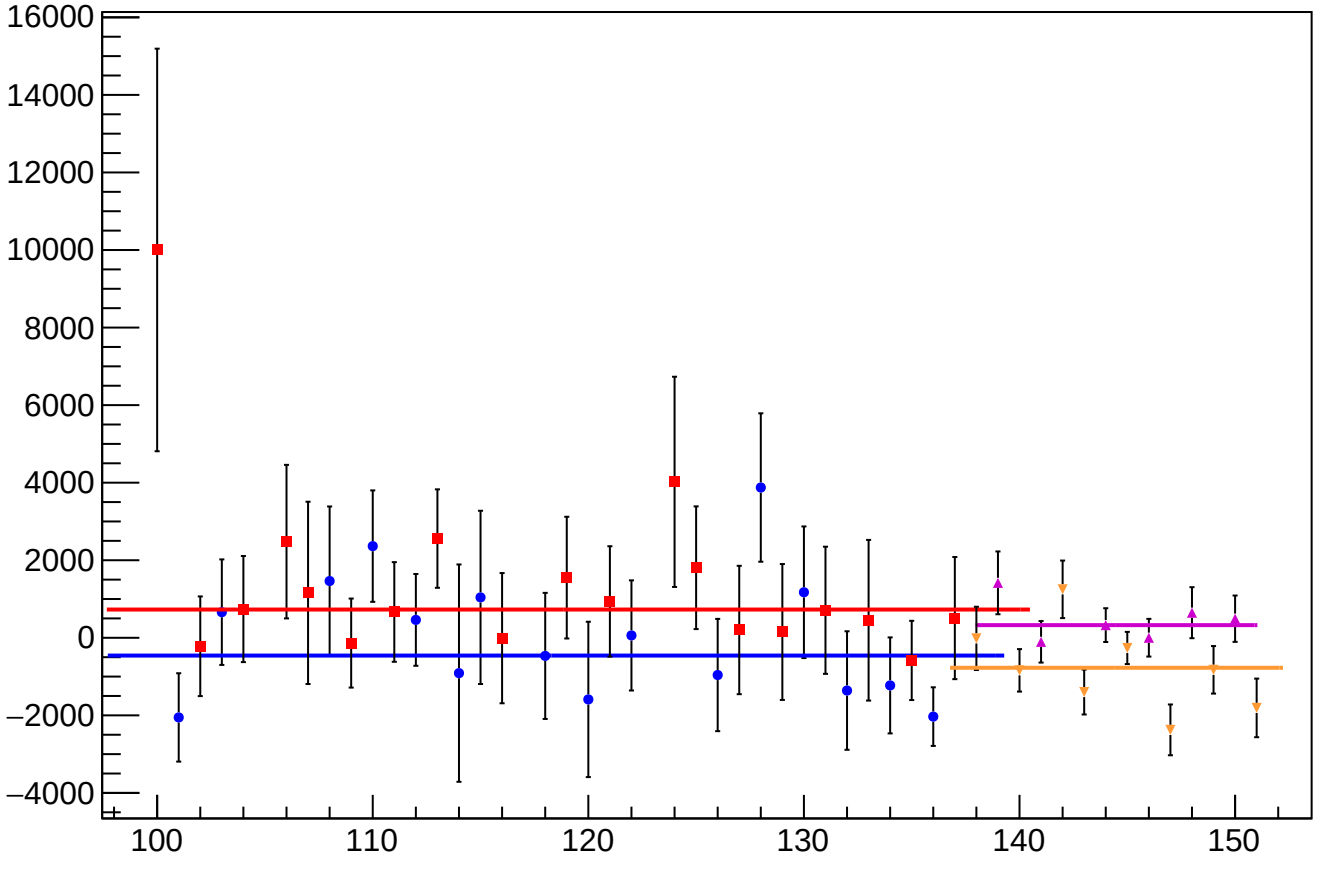
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 77.403+/-0.016 χ^2/NDF:544658.6/21

Out: 78.634+/-0.015 χ^2/NDF:705833.5/26

All: 78.033+/-0.011 χ^2/NDF: 1253572.3/48

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: -772.715+/-212.297 χ^2/NDF:18.9/7

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 326.427+/-225.683 χ^2/NDF:3.2/5

Left: -256.705+/-154.632 χ^2/NDF: 34.7/13

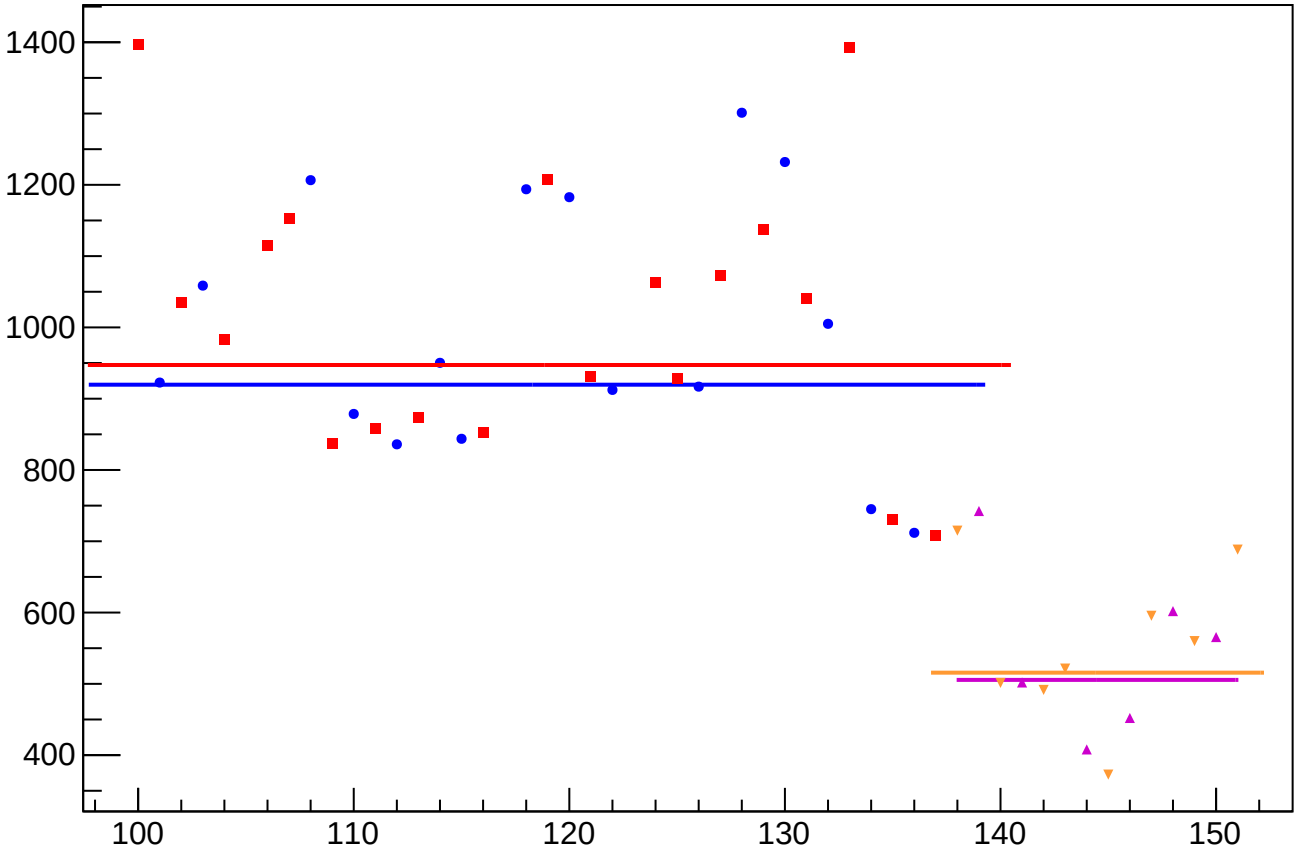
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 96.099+/-189.683 χ^2/NDF:27.0/21

Out: -373.189+/-181.872 χ^2/NDF:43.7/26

All: -148.406+/-131.277 χ^2/NDF: 73.9/48

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: 515.695+/-0.150 χ^2/NDF:504779.1/7

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 505.534+/-0.160 χ^2/NDF:359082.6/5

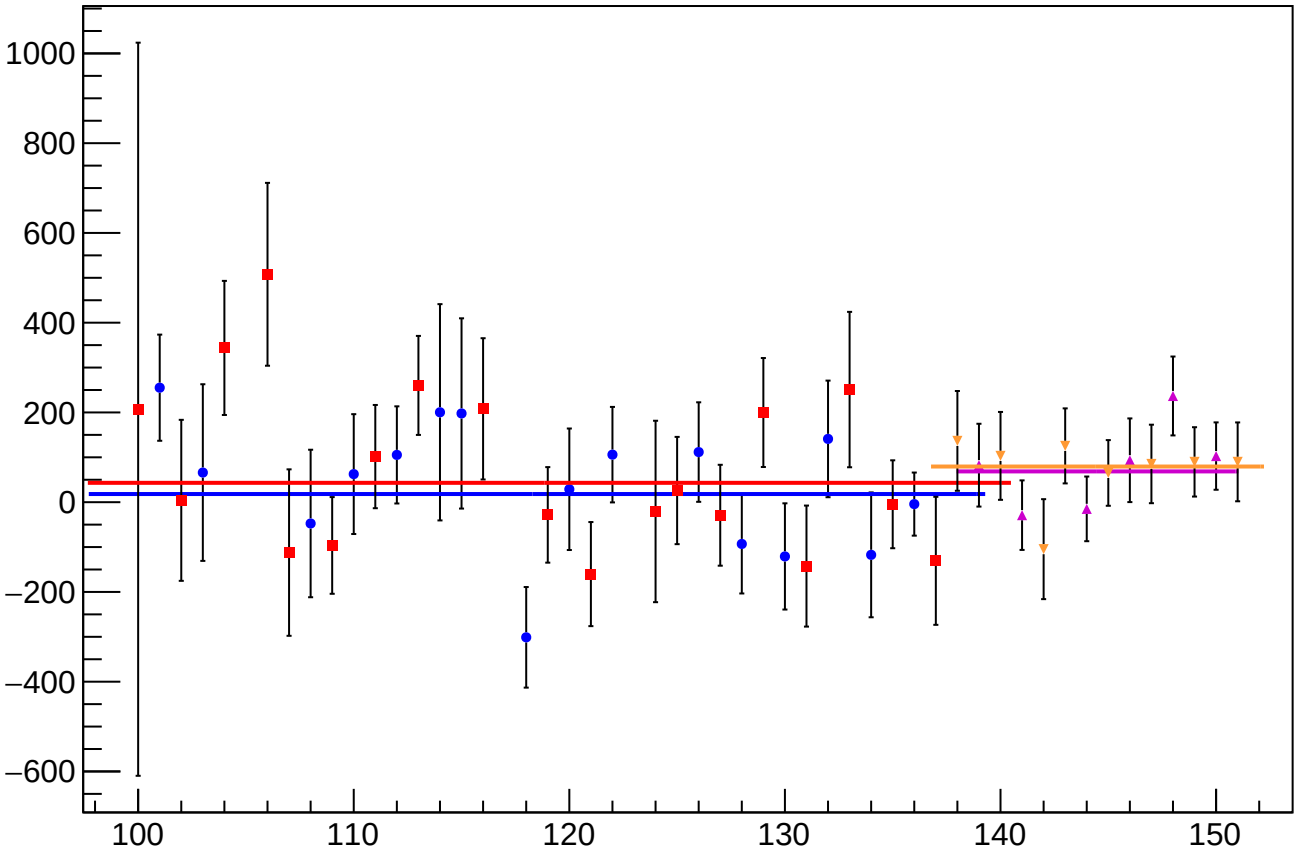
Left: 510.925+/-0.109 χ^2/NDF: 866012.5/13

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 627.109+/-0.134 χ^2/NDF:2851439.2/21

Out: 630.533+/-0.129 χ^2/NDF:3129669.5/26

All: 628.893+/-0.093 χ^2/NDF: 5981448.4/48



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 79.468+/-31.258 χ^2/NDF:3.4/7

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 68.583+/-33.357 χ^2/NDF:6.9/5

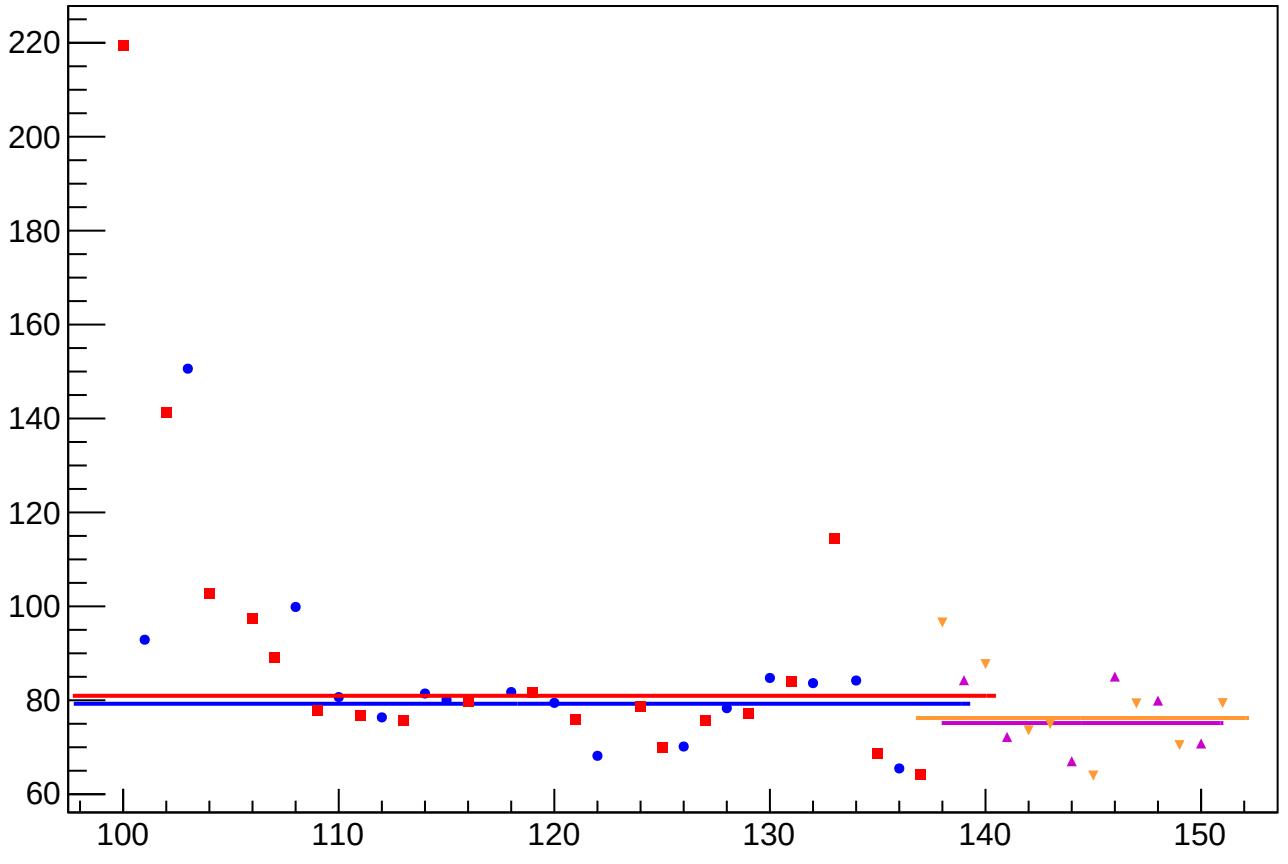
Left: 74.378+/-22.809 χ^2/NDF: 10.4/13

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 41.002+/-22.447 χ^2/NDF:28.3/21

Out: 60.983+/-21.905 χ^2/NDF:31.8/26

All: 51.236+/-15.678 χ^2/NDF: 60.5/48



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 76.226+/-0.022 χ^2/NDF:168306.7/7

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 75.156+/-0.024 χ^2/NDF:83112.5/5

Left: 75.725+/-0.016 χ^2/NDF: 252514.5/13

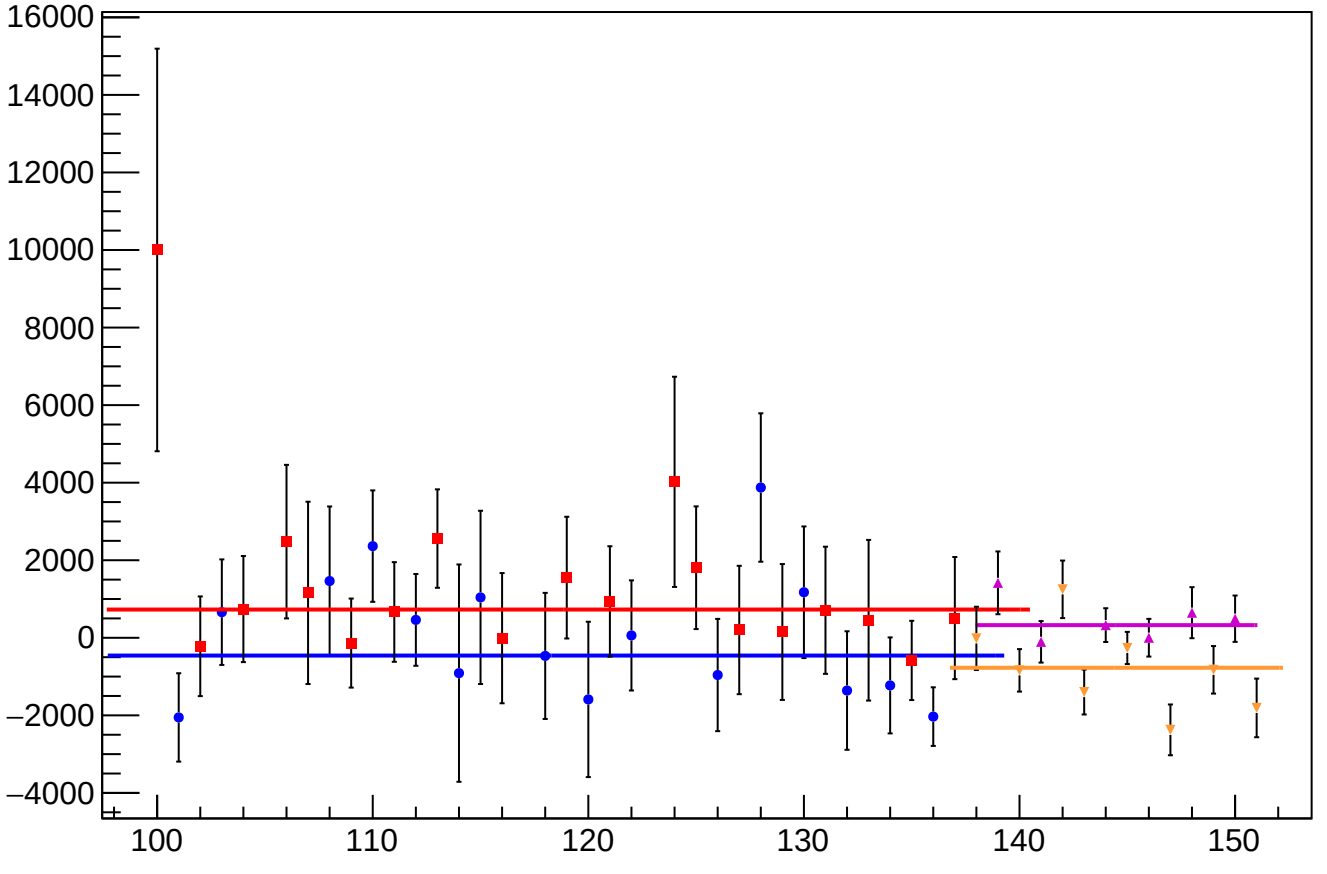
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 77.403+/-0.016 χ^2/NDF:544650.2/21

Out: 78.634+/-0.015 χ^2/NDF:705828.4/26

All: 78.033+/-0.011 χ^2/NDF: 1253559.3/48

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: -772.716+/-212.297 χ^2/NDF:18.9/7

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 326.427+/-225.682 χ^2/NDF:3.2/5

Left: -256.706+/-154.632 χ^2/NDF: 34.7/13

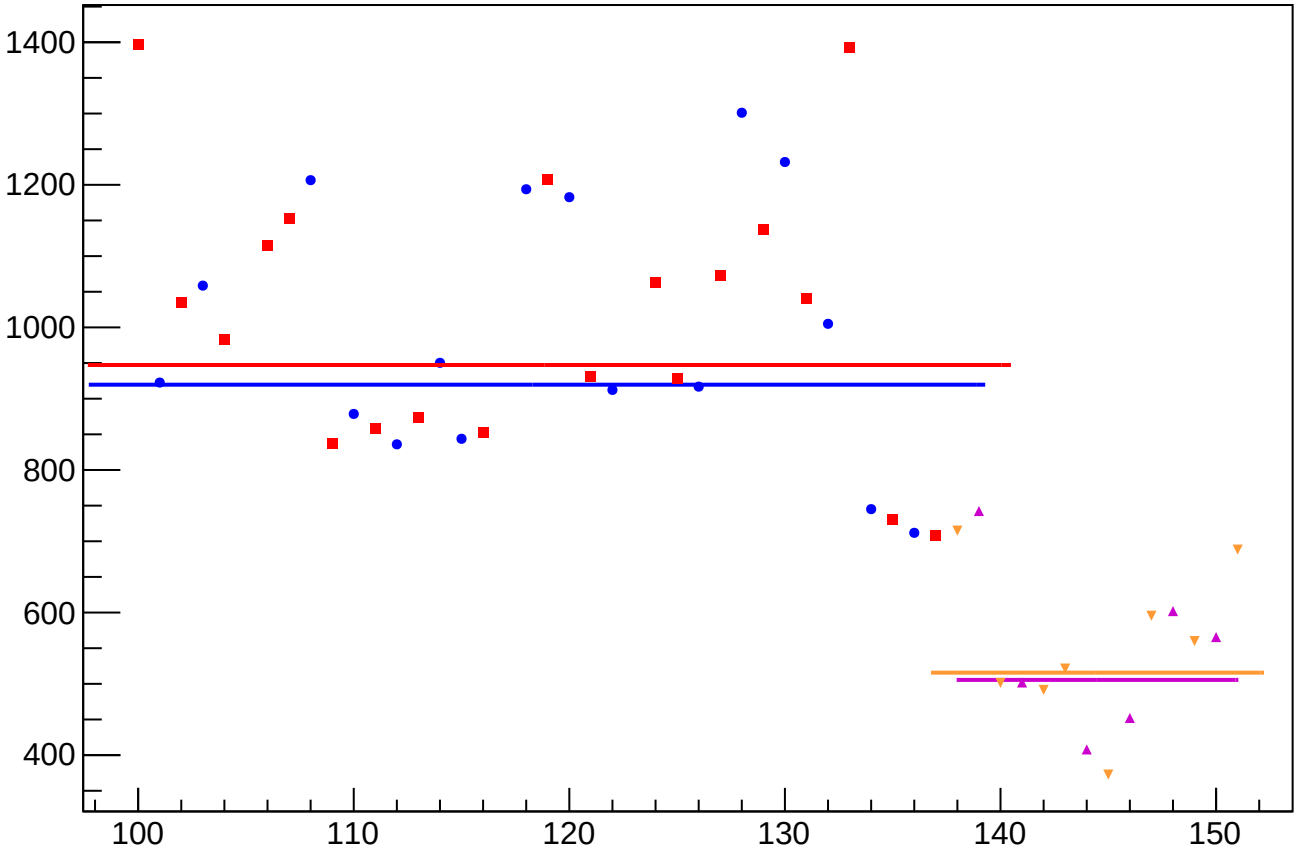
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 96.100+/-189.683 χ^2/NDF:27.0/21

Out: -373.189+/-181.871 χ^2/NDF:43.7/26

All: -148.406+/-131.277 χ^2/NDF: 73.9/48

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: 515.694+/-0.150 χ^2/NDF:504781.9/7

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 505.533+/-0.160 χ^2/NDF:359082.6/5

Left: 510.924+/-0.109 χ^2/NDF: 866015.1/13

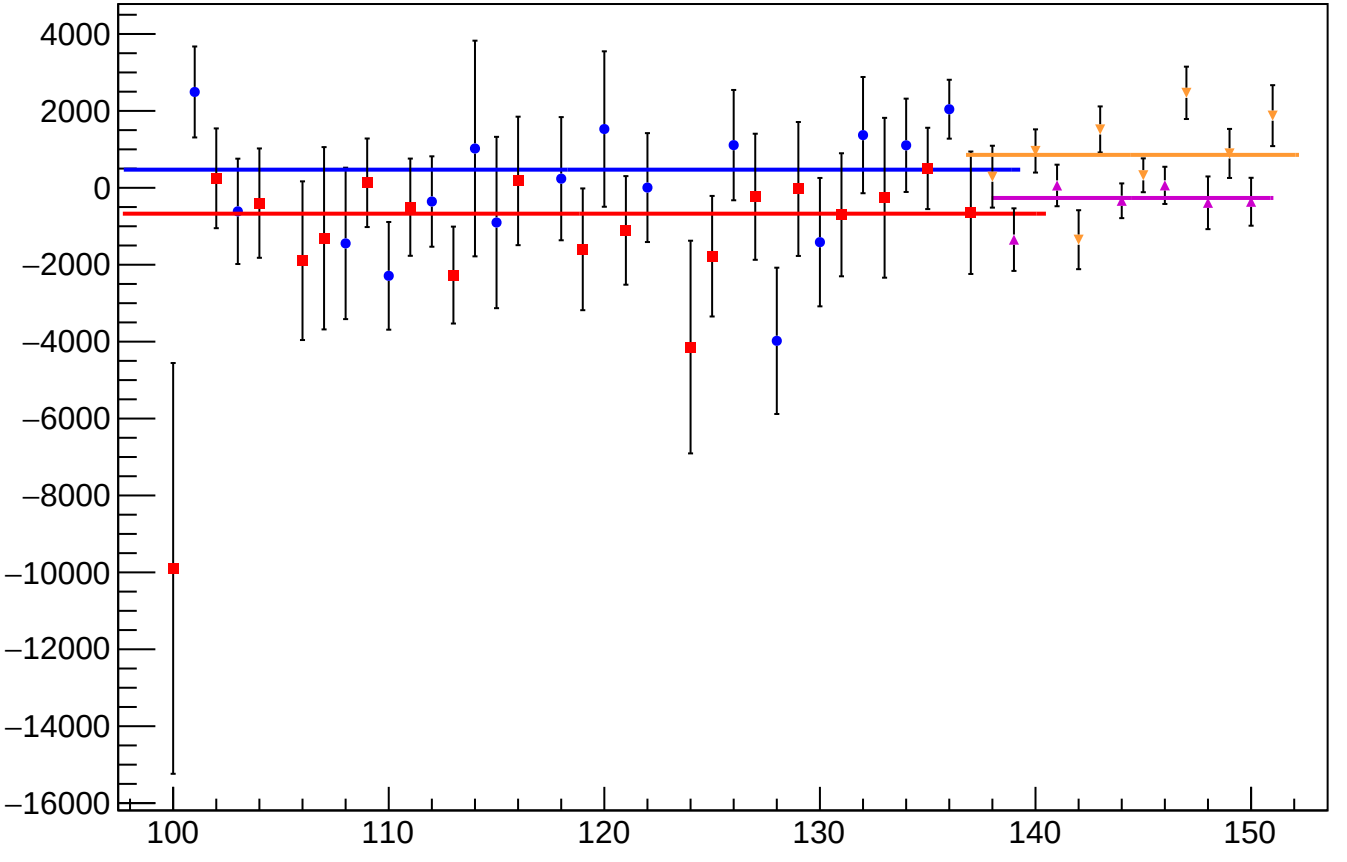
Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 627.108+/-0.134 χ^2/NDF:2851432.1/21

Out: 630.532+/-0.129 χ^2/NDF:3129669.7/26

All: 628.892+/-0.093 χ^2/NDF: 5981441.4/48

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 856.479+/-220.474 χ^2/NDF:18.8/7

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -263.971+/-230.481 χ^2/NDF:2.7/5

Left: 321.105+/-159.319 χ^2/NDF: 33.8/13

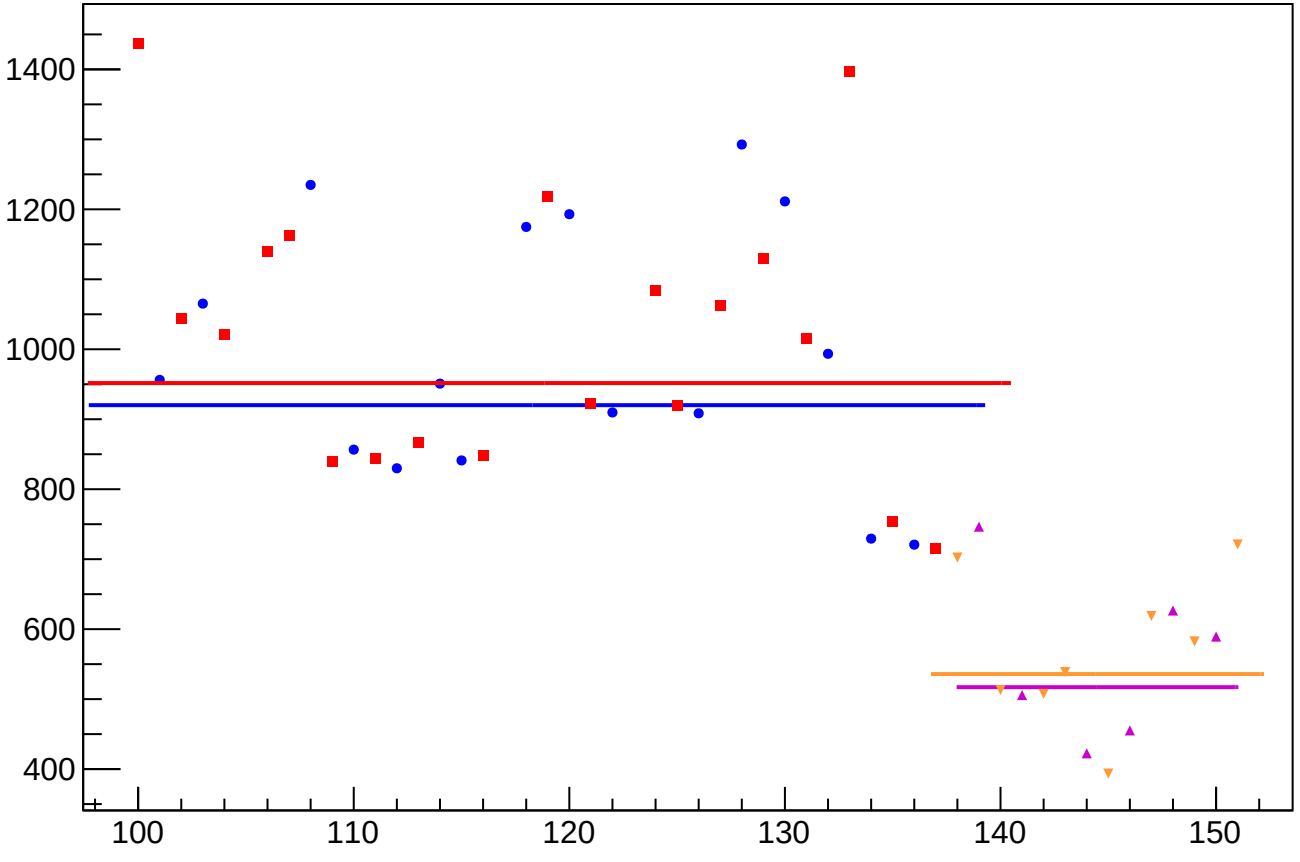
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -41.685+/-192.555 χ^2/NDF:27.2/21

Out: 430.036+/-187.221 χ^2/NDF:42.5/26

All: 200.800+/-134.232 χ^2/NDF: 72.8/48

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 535.810+/-0.156 χ^2/NDF:450157.8/7

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 517.087+/-0.163 χ^2/NDF:358327.7/5

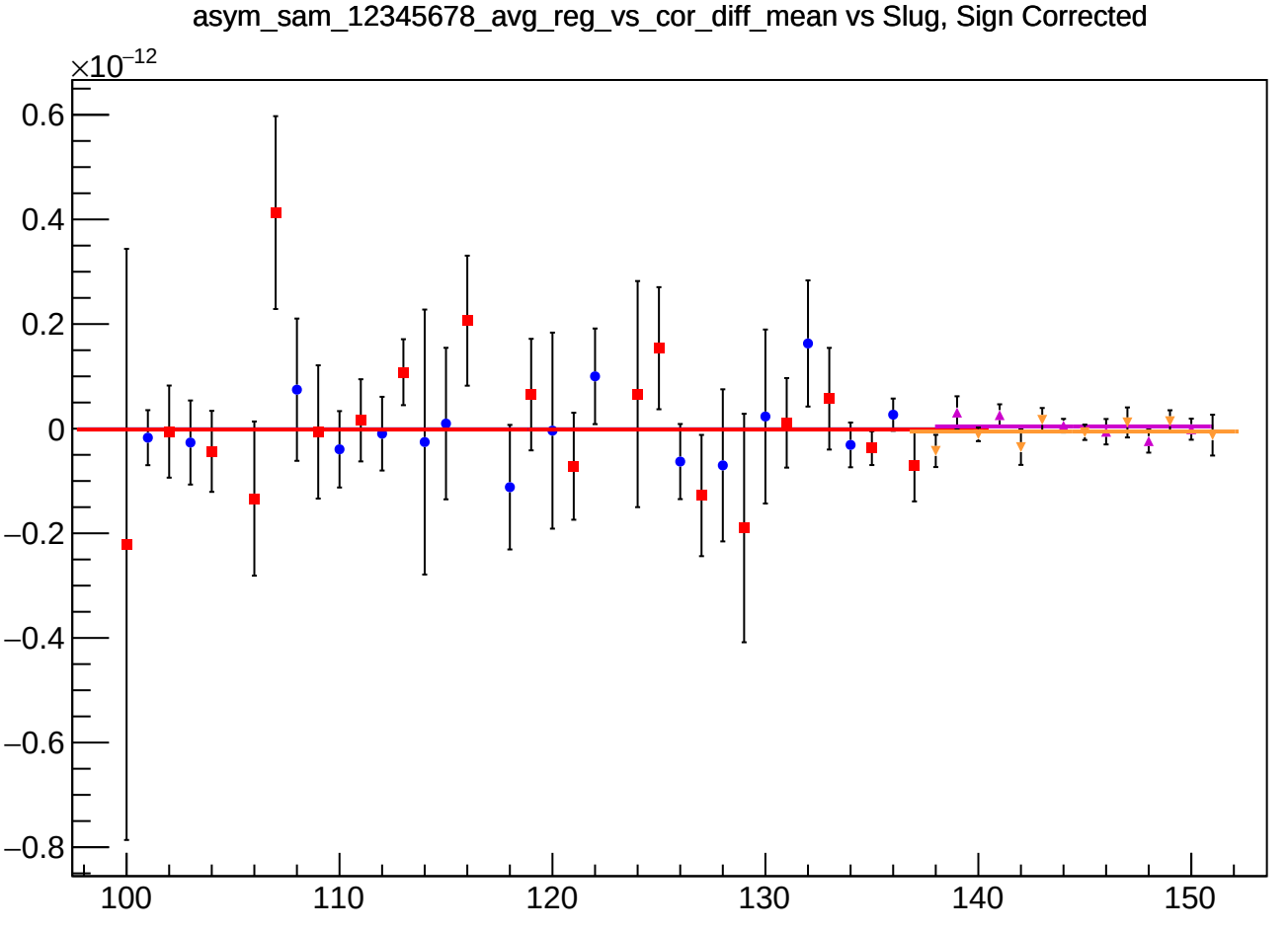
Left: 526.863+/-0.113 χ^2/NDF: 815377.4/13

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 638.814+/-0.136 χ^2/NDF:2714127.6/21

Out: 651.809+/-0.132 χ^2/NDF:2851342.2/26

All: 645.494+/-0.095 χ^2/NDF: 5570151.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/7

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/5

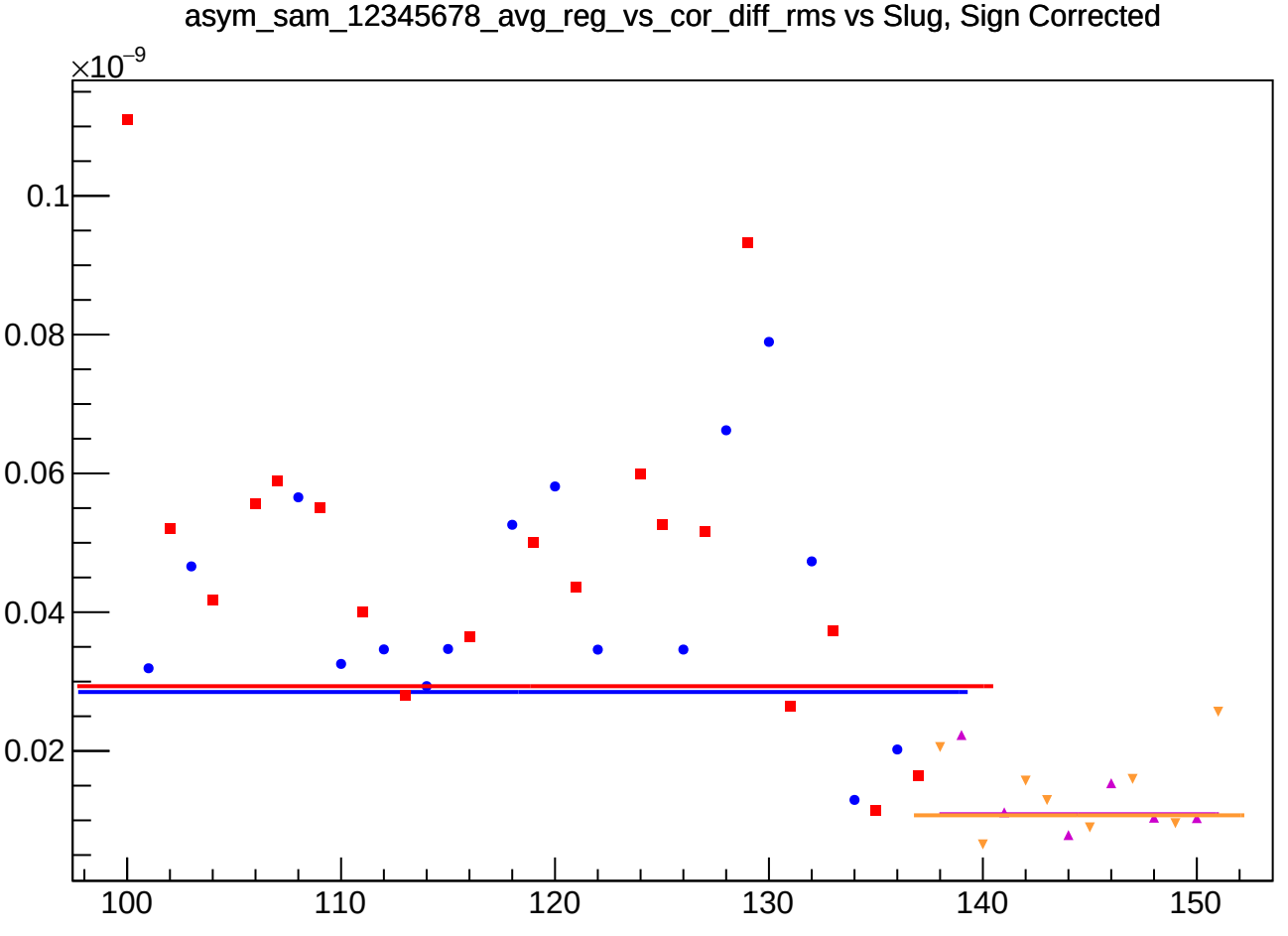
Left: -0.000+/-0.000 χ^2/NDF: 9.1/13

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:10.8/21

Out: -0.000+/-0.000 χ^2/NDF:24.1/26

All: -0.000+/-0.000 χ^2/NDF: 35.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:865107.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:446730.1/5

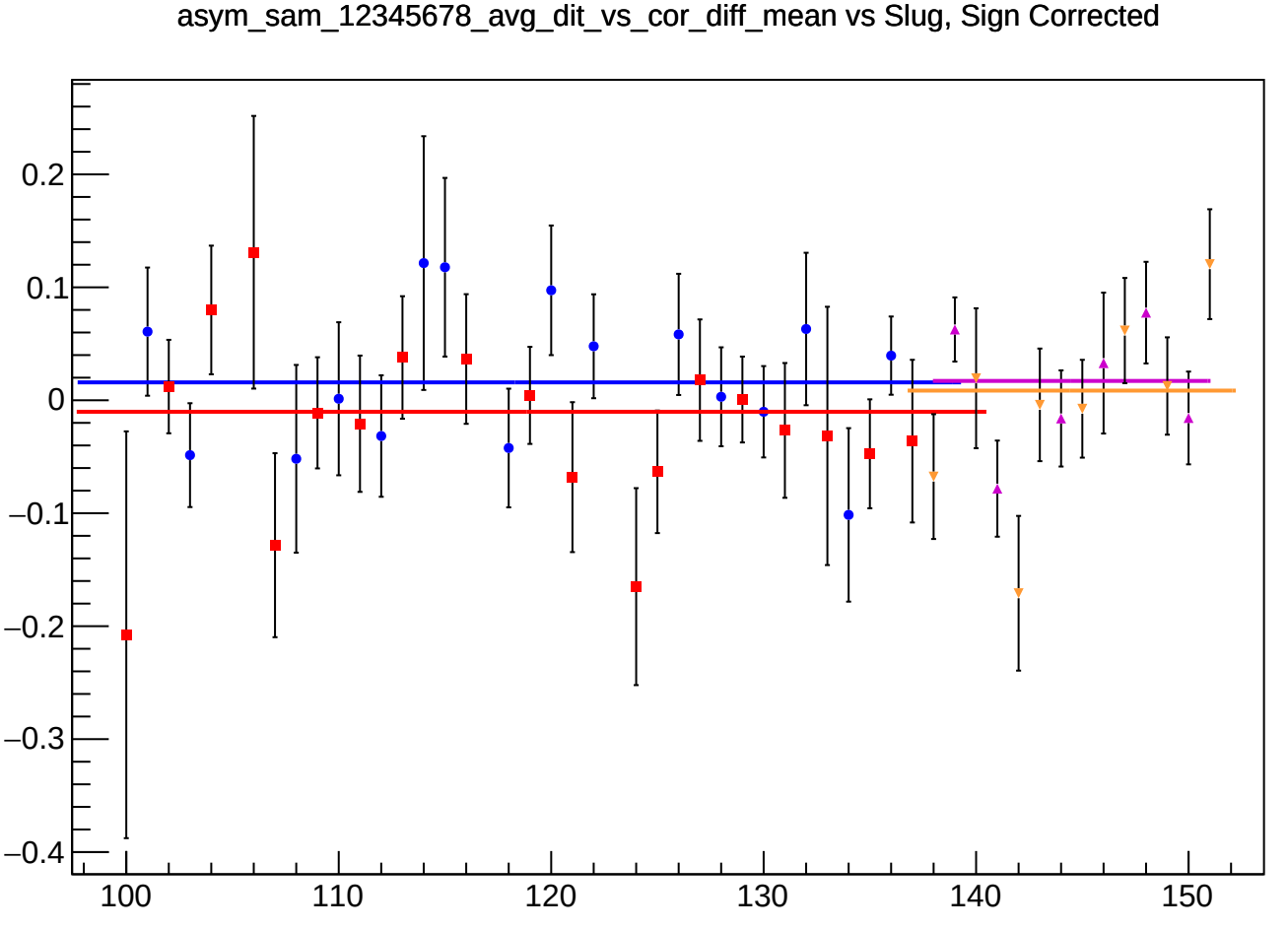
Left: 0.000+/-0.000 χ^2/NDF: 1312258.3/13

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3238763.8/21

Out: 0.000+/-0.000 χ^2/NDF:4140128.6/26

All: 0.000+/-0.000 χ^2/NDF: 7391411.1/48



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.017+/-0.016 χ^2/NDF:10.7/5

Left: 0.013+/-0.012 χ^2/NDF: 26.4/13

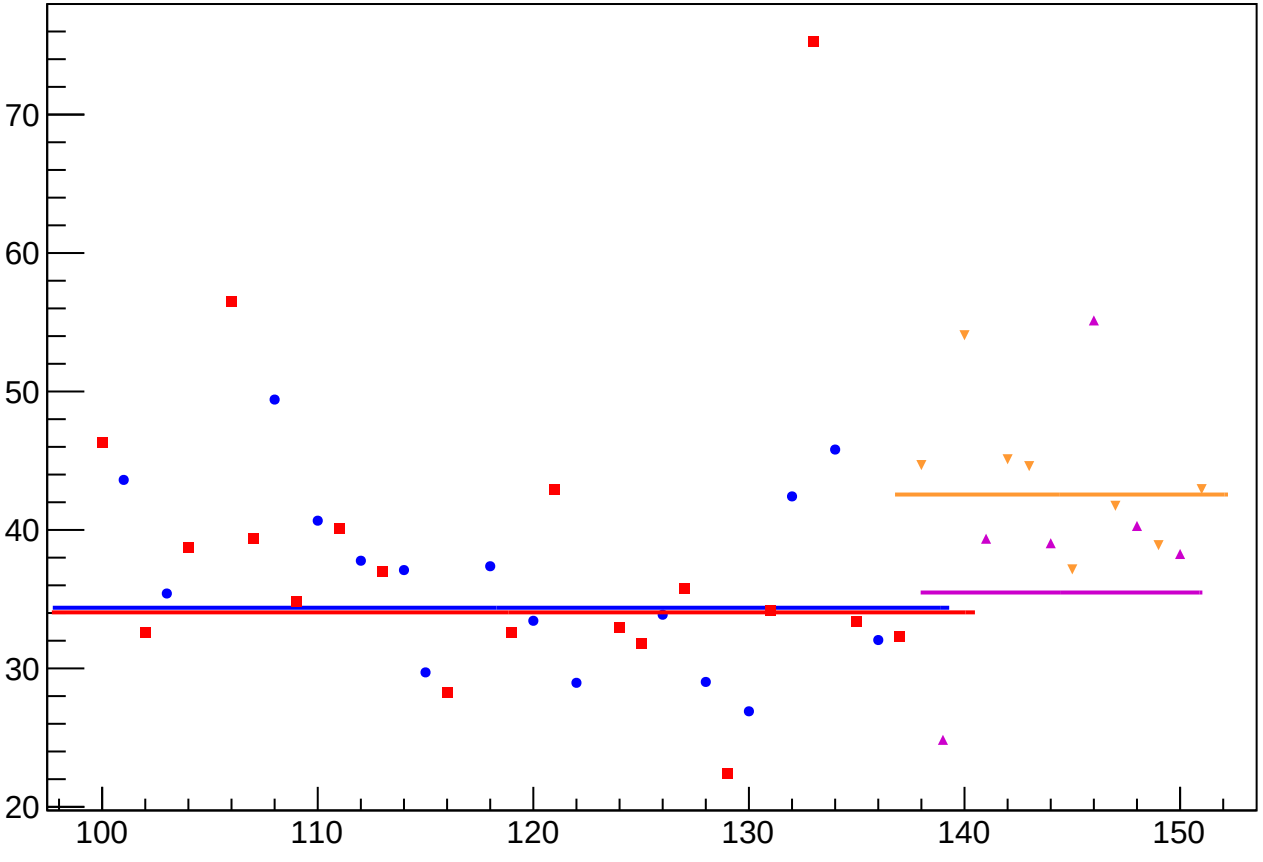
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:25.5/21

Out: -0.004+/-0.011 χ^2/NDF:31.4/26

All: 0.007+/-0.007 χ^2/NDF: 58.7/48

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: 42.558+/-0.013 χ^2/NDF:124436.5/7

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.481+/-0.012 χ^2/NDF:542054.6/5

Left: 38.746+/-0.009 χ^2/NDF: 836949.8/13

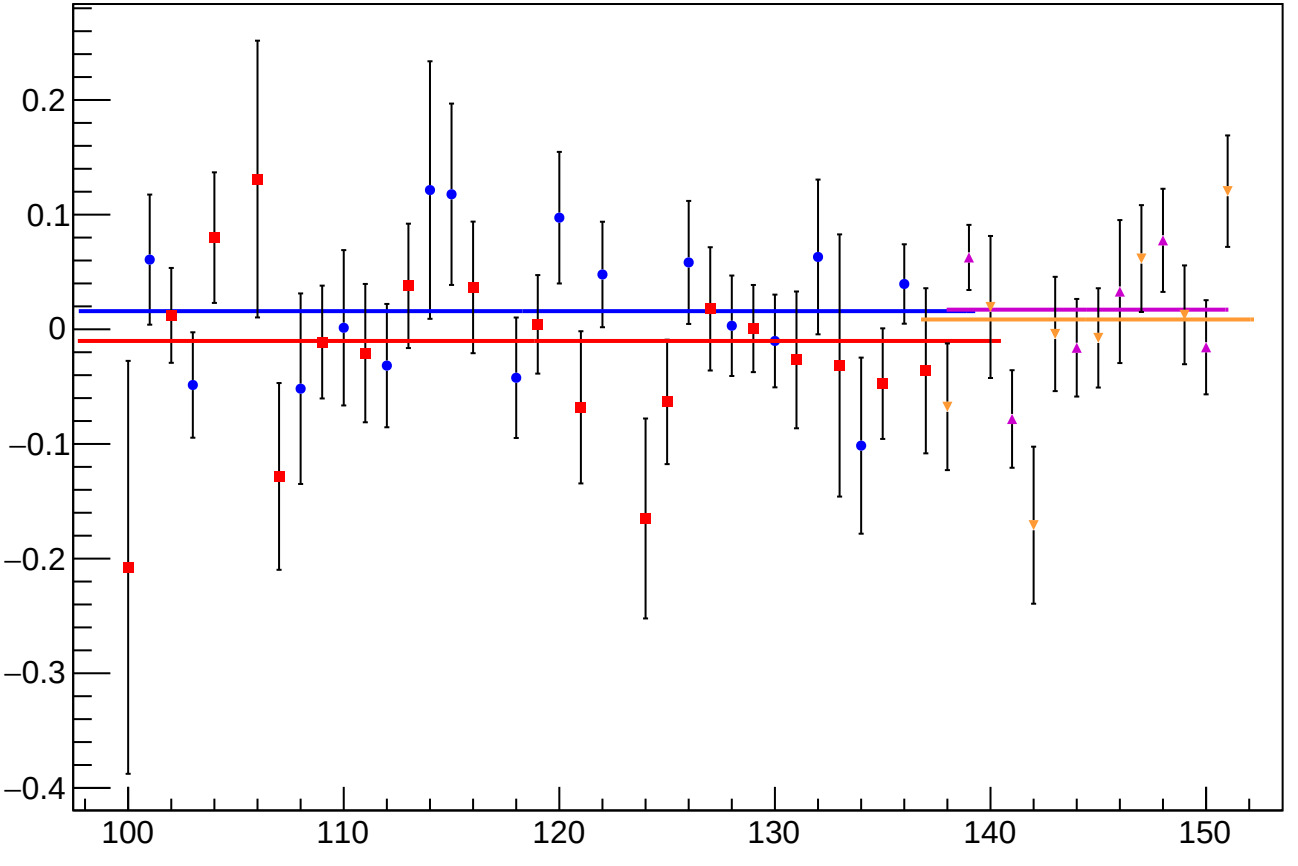
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.820+/-0.007 χ^2/NDF:915305.7/21

Out: 37.071+/-0.007 χ^2/NDF:1062222.2/26

All: 35.923+/-0.005 χ^2/NDF: 2023527.6/48

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: 0.009+/-0.018 χ^2/NDF:15.6/7

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.017+/-0.016 χ^2/NDF:10.7/5

Left: 0.013+/-0.012 χ^2/NDF: 26.4/13

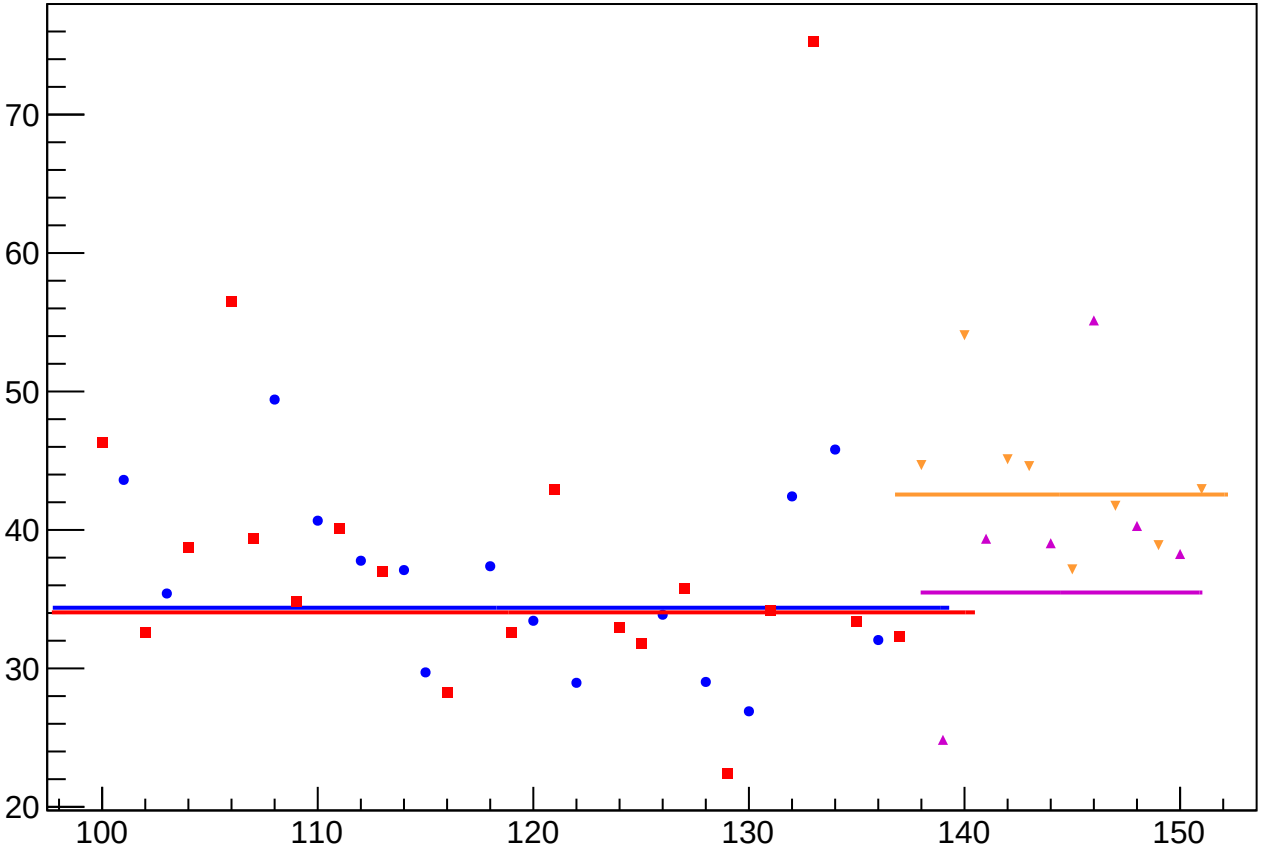
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:25.5/21

Out: -0.004+/-0.011 χ^2/NDF:31.4/26

All: 0.007+/-0.007 χ^2/NDF: 58.7/48

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: 42.558+/-0.013 χ^2/NDF:124436.5/7

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.481+/-0.012 χ^2/NDF:542054.6/5

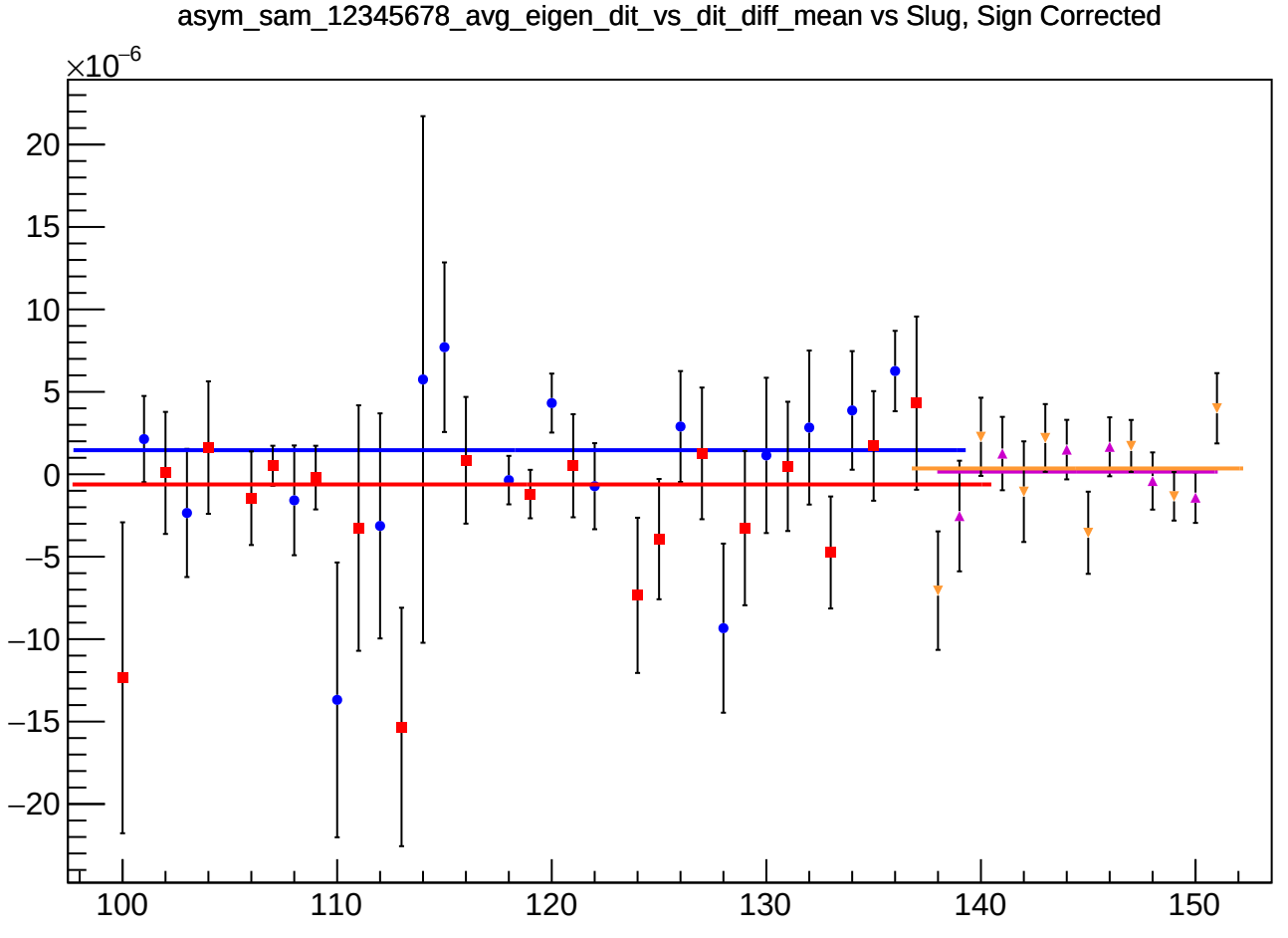
Left: 38.746+/-0.009 χ^2/NDF: 836949.8/13

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.820+/-0.007 χ^2/NDF:915305.7/21

Out: 37.071+/-0.007 χ^2/NDF:1062222.2/26

All: 35.923+/-0.005 χ^2/NDF: 2023527.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/5

Left: 0.000+/-0.000 χ^2/NDF: 16.7/13

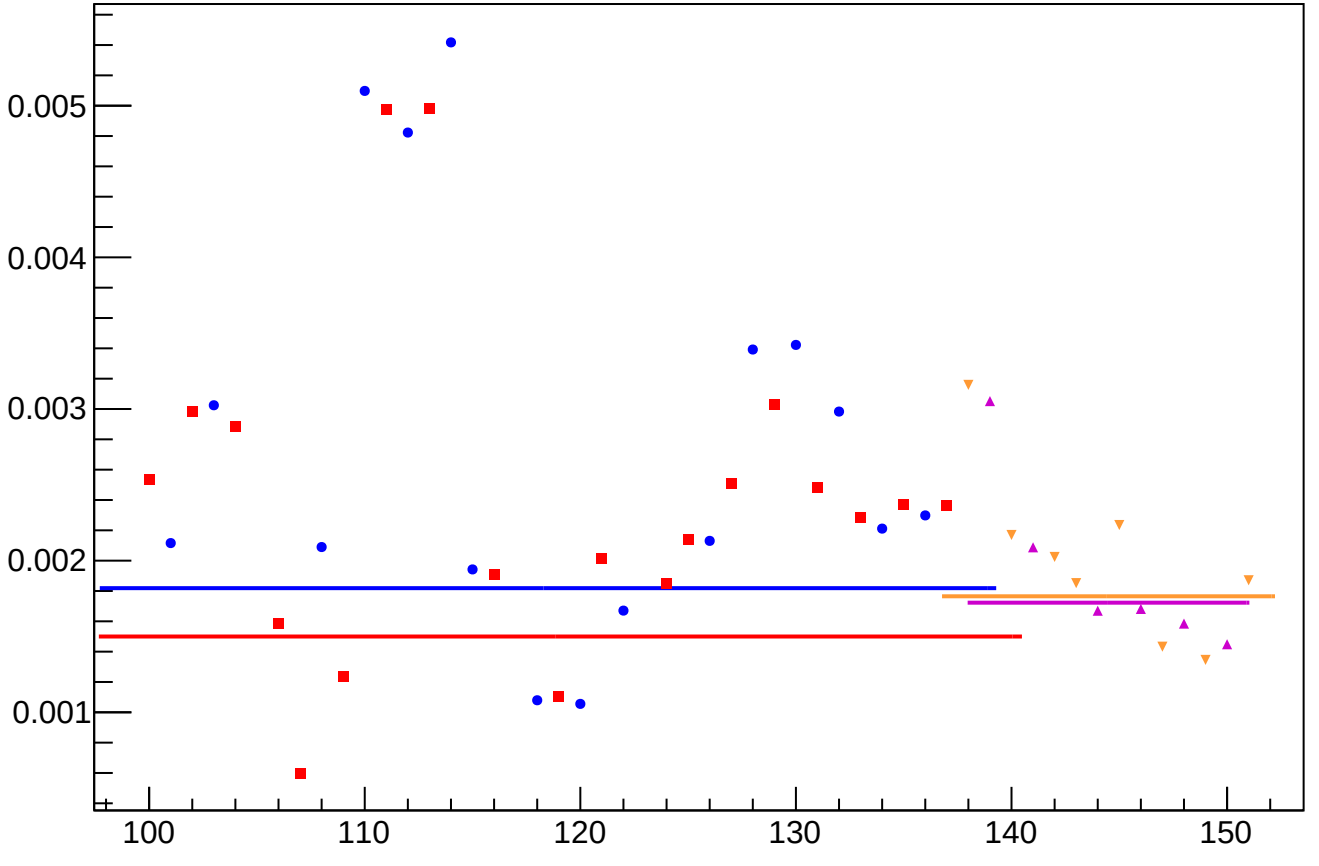
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:25.7/21

Out: -0.000+/-0.000 χ^2/NDF:28.3/26

All: 0.000+/-0.000 χ^2/NDF: 56.0/48

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:704222.7/7

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:447191.2/5

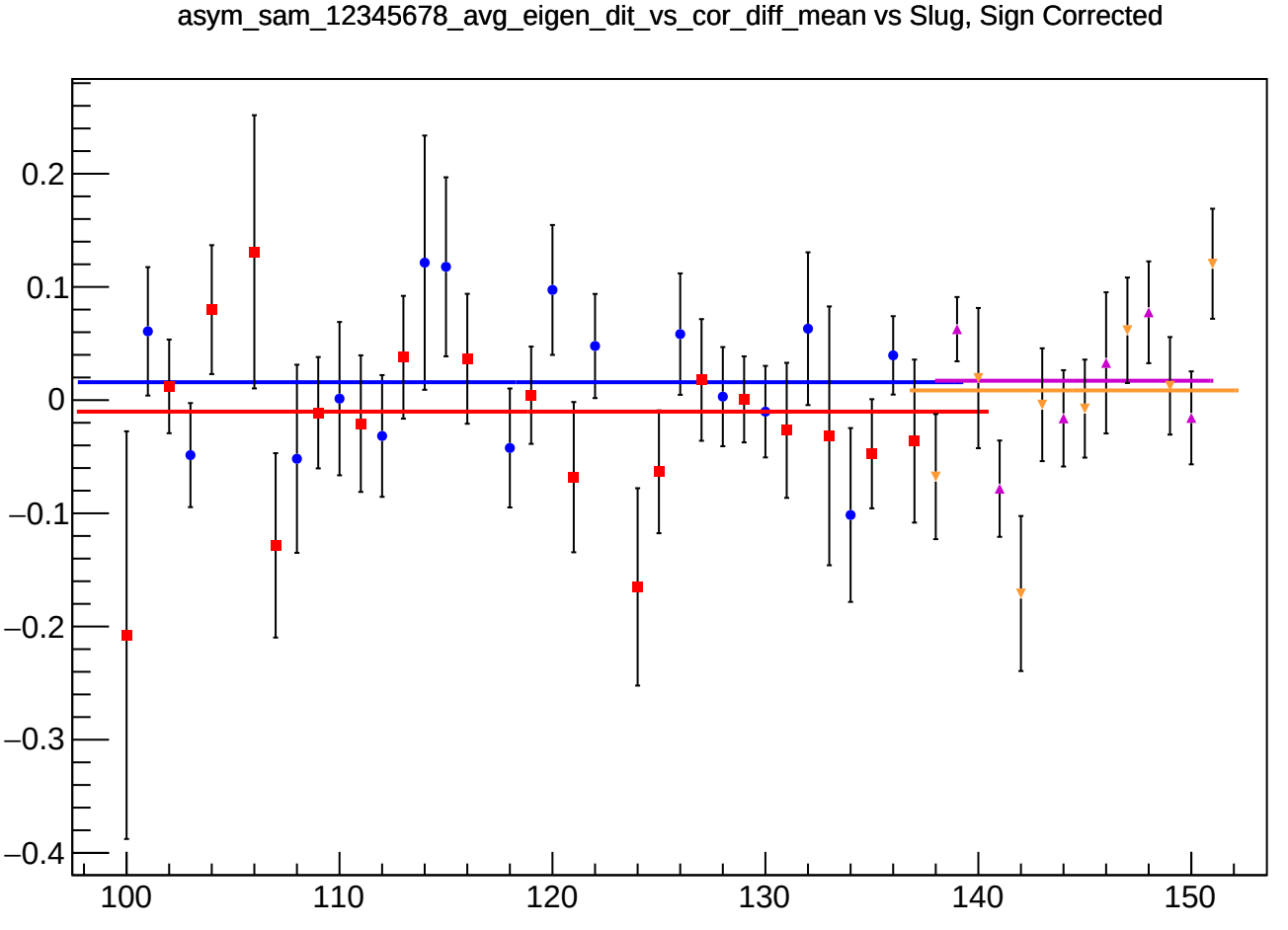
Left: 0.002+/-0.000 χ^2/NDF: 1154517.2/13

Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3033177.5/21

Out: 0.002+/-0.000 χ^2/NDF:4540171.1/26

All: 0.002+/-0.000 χ^2/NDF: 7666796.1/48



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.017+/-0.016 χ^2/NDF:10.7/5

Left: 0.013+/-0.012 χ^2/NDF: 26.4/13

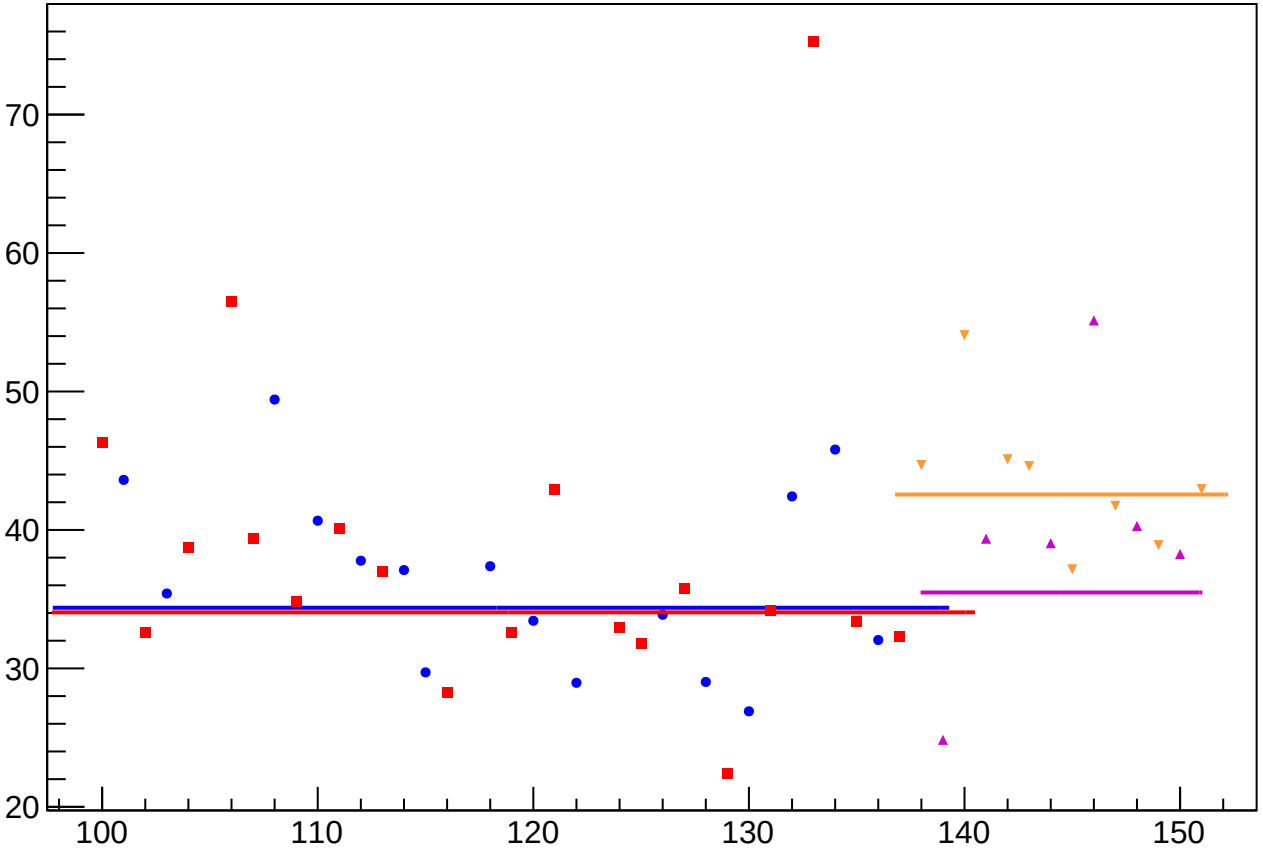
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:25.5/21

Out: -0.004+/-0.011 χ^2/NDF:31.4/26

All: 0.007+/-0.007 χ^2/NDF: 58.7/48

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: 42.559+/-0.013 χ^2/NDF:124425.2/7

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.482+/-0.012 χ^2/NDF:542066.3/5

Left: 38.747+/-0.009 χ^2/NDF: 836958.8/13

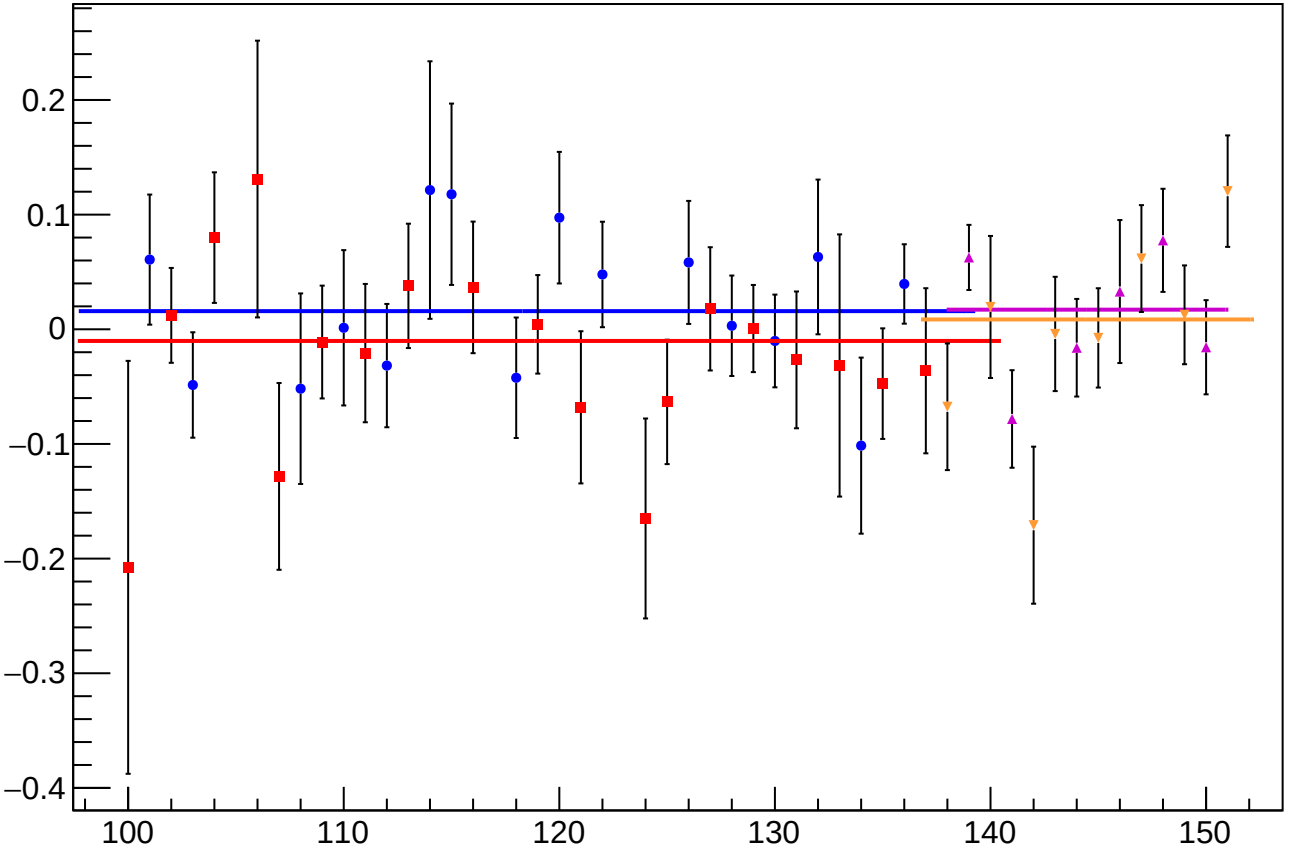
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.819+/-0.007 χ^2/NDF:915385.5/21

Out: 37.071+/-0.007 χ^2/NDF:1062332.3/26

All: 35.922+/-0.005 χ^2/NDF: 2023722.3/48

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: 0.009+/-0.018 χ^2/NDF:15.6/7

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.017+/-0.016 χ^2/NDF:10.7/5

Left: 0.013+/-0.012 χ^2/NDF: 26.4/13

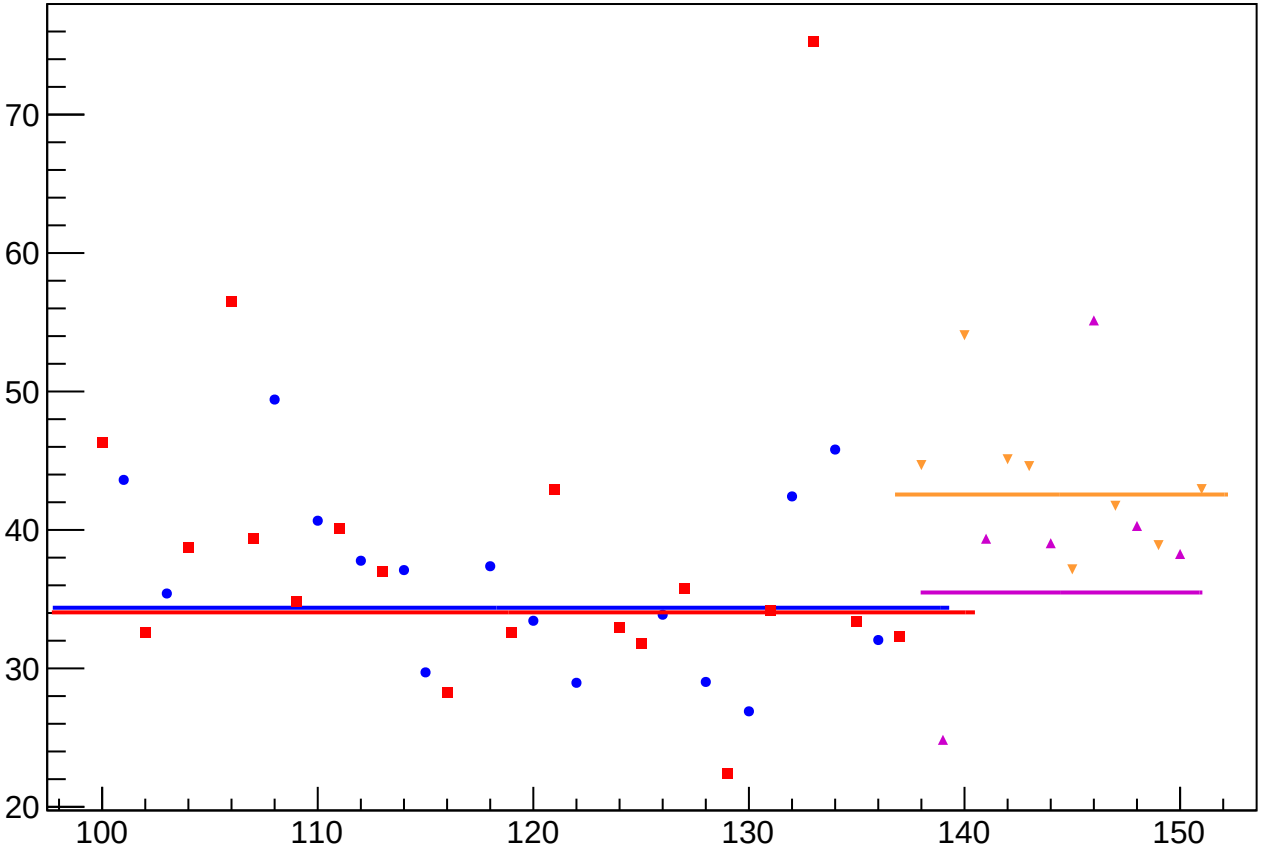
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:25.5/21

Out: -0.004+/-0.011 χ^2/NDF:31.4/26

All: 0.007+/-0.007 χ^2/NDF: 58.7/48

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: 42.559+/-0.013 χ^2/NDF:124425.2/7

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.482+/-0.012 χ^2/NDF:542066.3/5

Left: 38.747+/-0.009 χ^2/NDF: 836958.8/13

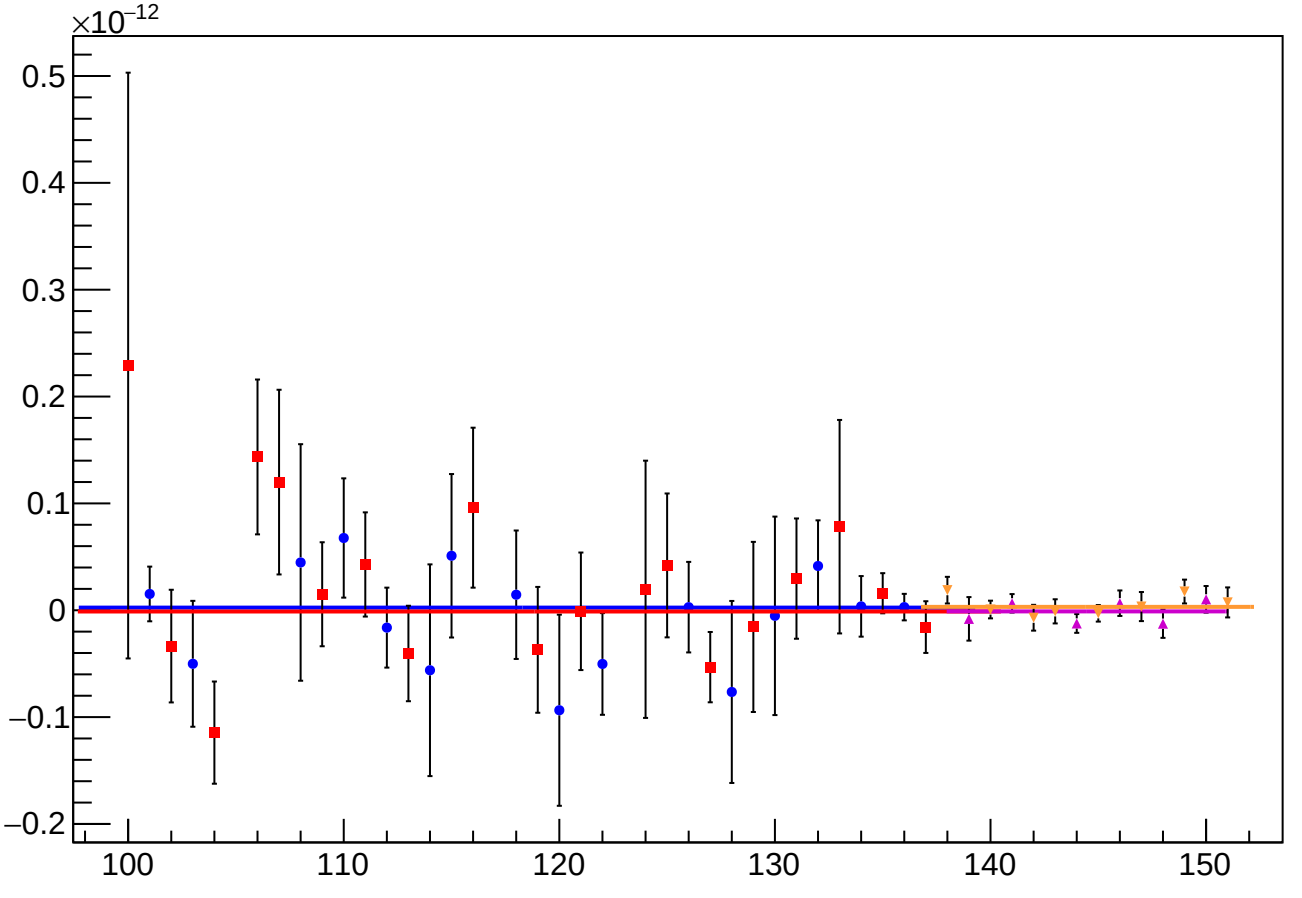
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.819+/-0.007 χ^2/NDF:915385.5/21

Out: 37.071+/-0.007 χ^2/NDF:1062332.3/26

All: 35.922+/-0.005 χ^2/NDF: 2023722.3/48

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/5

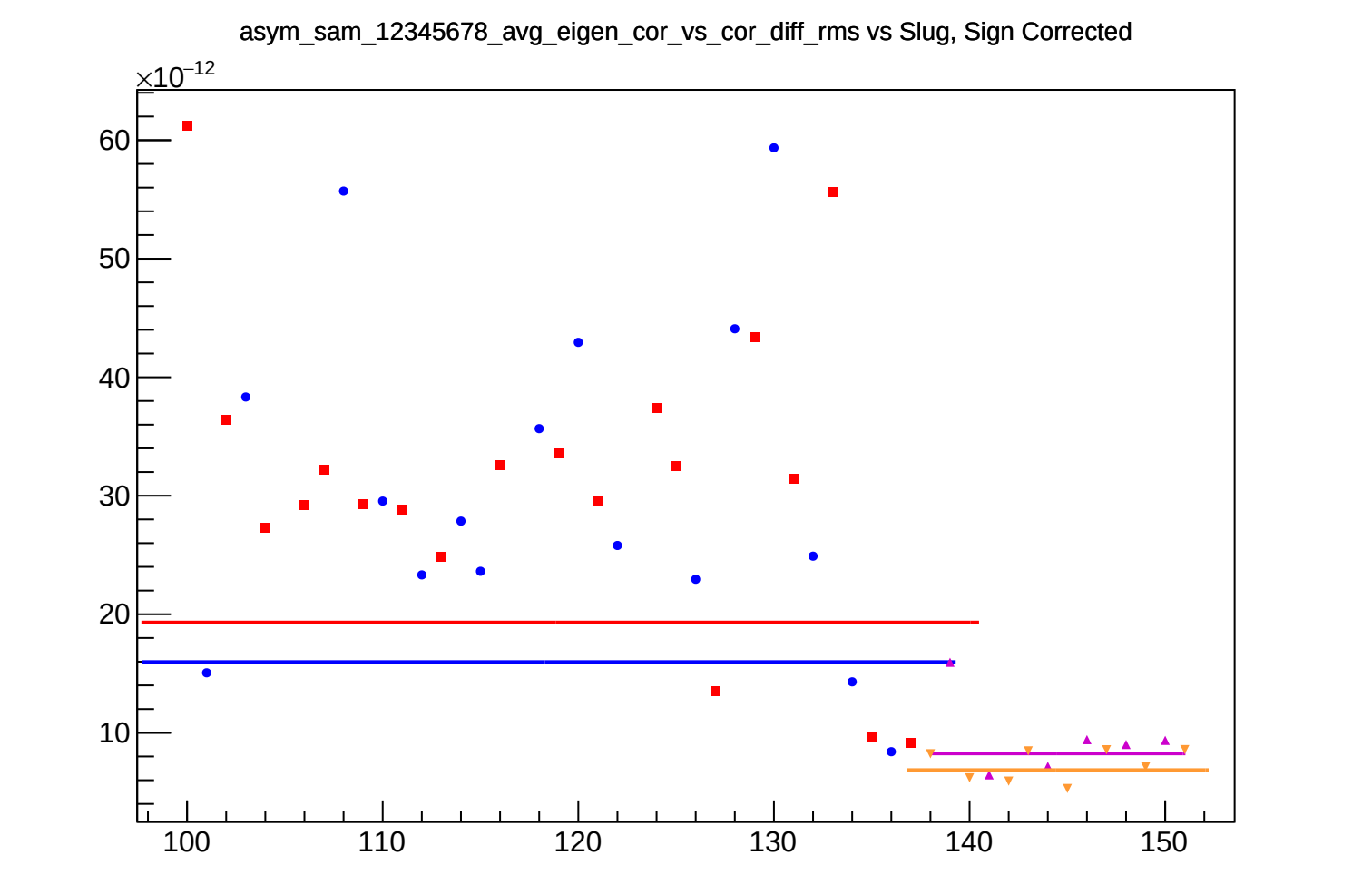
Left: 0.000+/-0.000 χ^2/NDF: 9.9/13

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:12.3/21

Out: 0.000+/-0.000 χ^2/NDF:26.5/26

All: 0.000+/-0.000 χ^2/NDF: 39.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:232711.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:444120.4/5

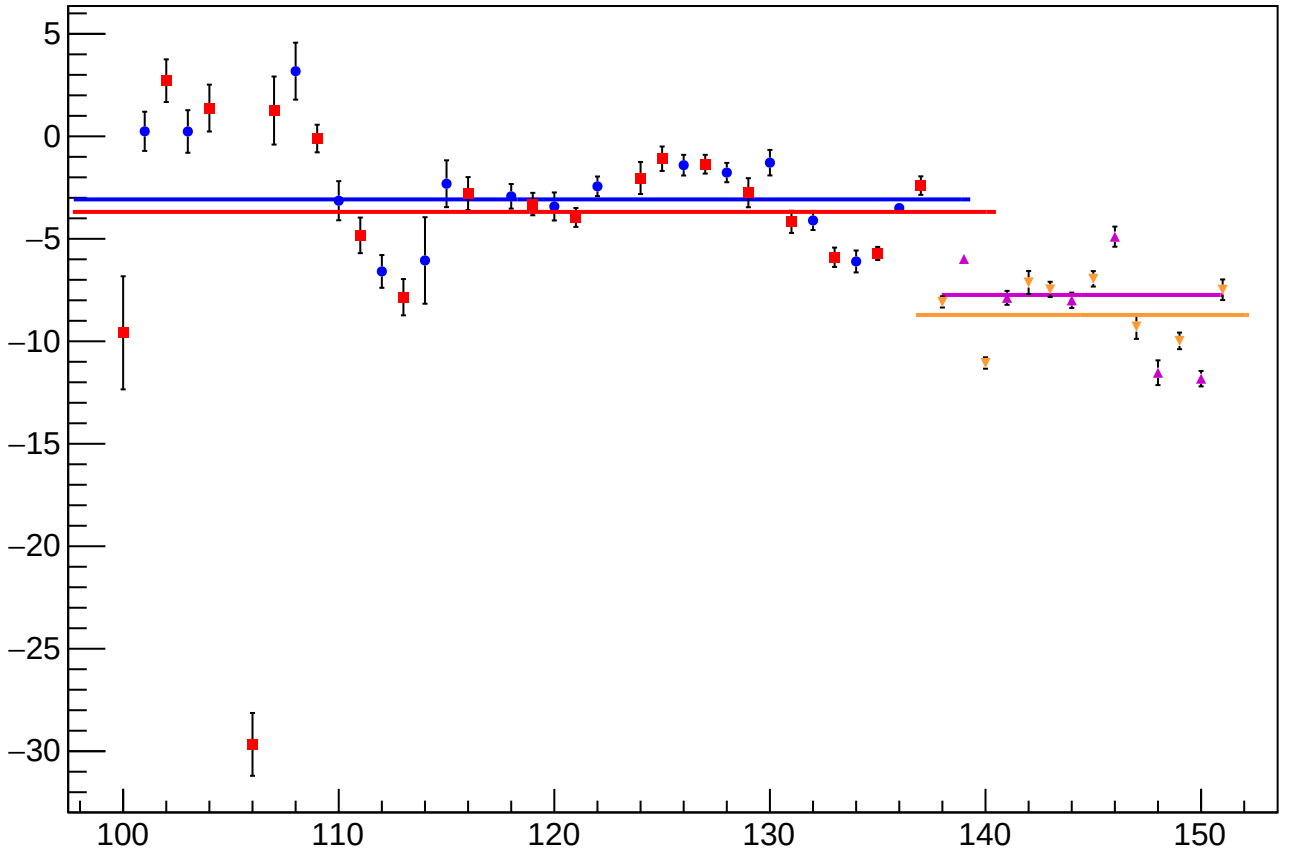
Left: 0.000+/-0.000 χ^2/NDF: 789041.3/13

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:4495257.8/21

Out: 0.000+/-0.000 χ^2/NDF:5297219.0/26

All: 0.000+/-0.000 χ^2/NDF: 9964769.1/48



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.714+/-0.133 χ^2/NDF:134.4/7

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -7.739+/-0.146 χ^2/NDF:244.8/5

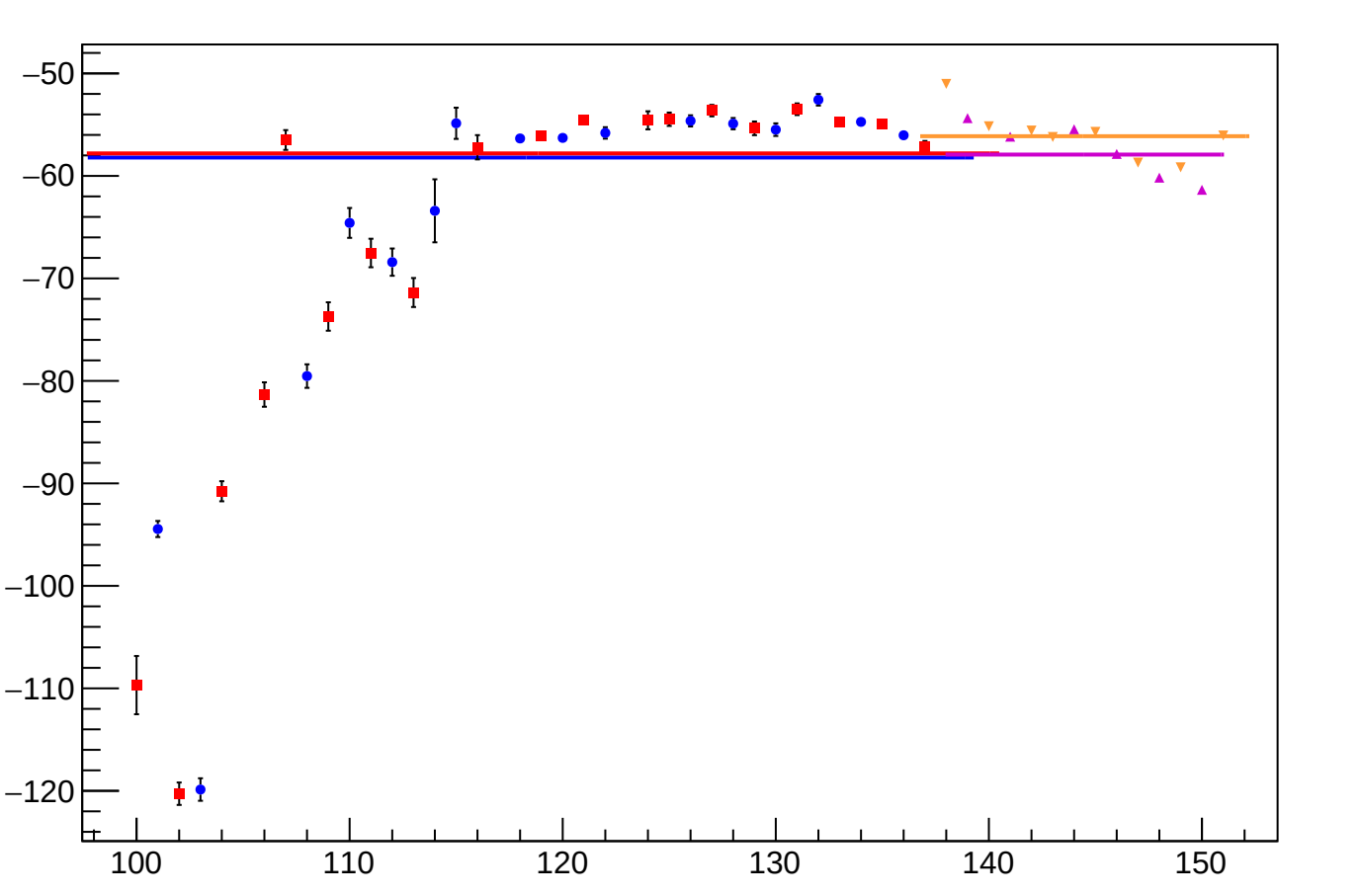
Left: -8.272+/-0.098 χ^2/NDF: 403.7/13

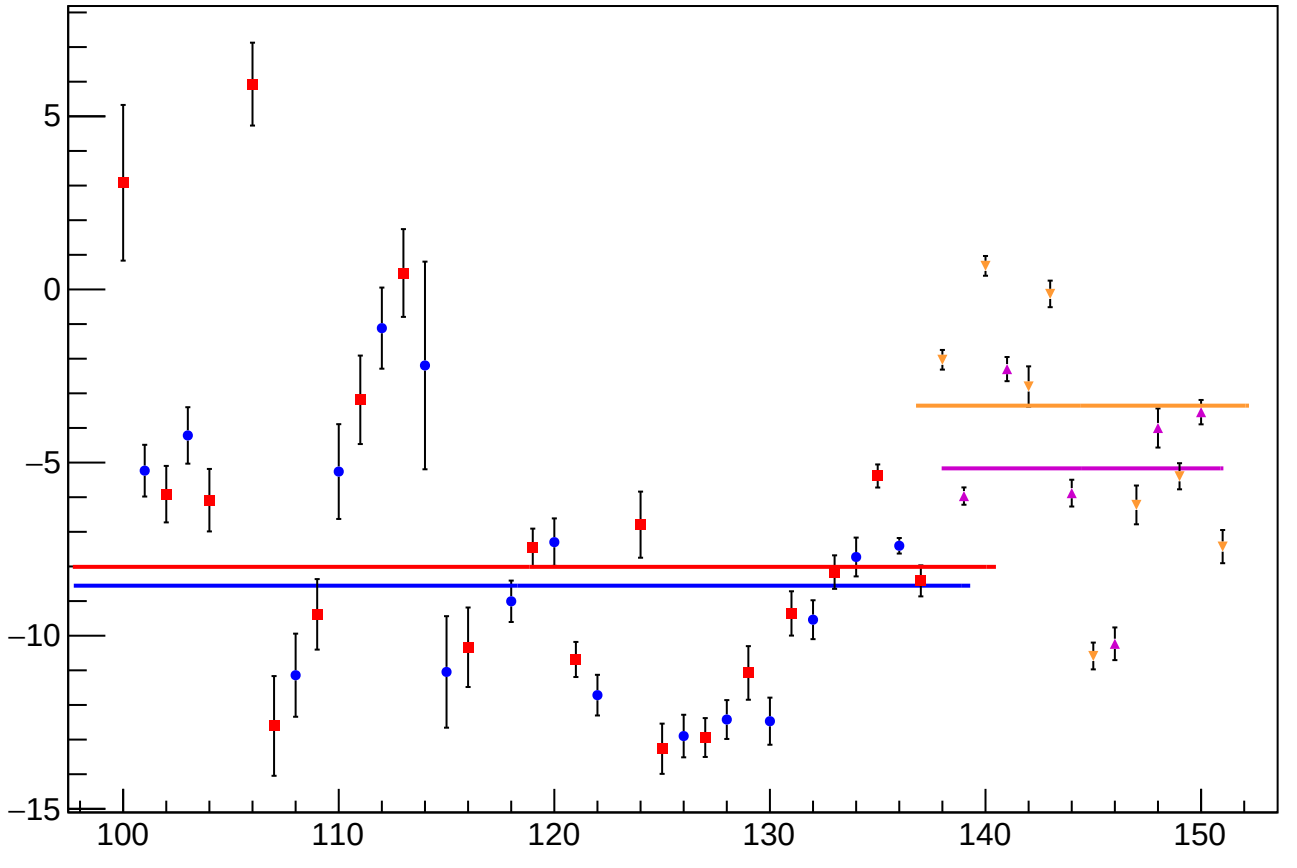
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.233+/-0.099 χ^2/NDF:928.3/21

Out: -6.338+/-0.096 χ^2/NDF:1347.1/26

All: -5.801+/-0.069 χ^2/NDF: 2339.3/48


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -56.125+/-0.101 χ²/NDF:507.3/7
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -57.917+/-0.118 χ²/NDF:434.6/5
Left: -56.880+/-0.077 χ²/NDF: 1075.1/13
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -58.041+/-0.089 χ²/NDF:6564.1/21
Out: -56.706+/-0.081 χ²/NDF:6396.1/26
All: -57.314+/-0.060 χ²/NDF: 13082.5/48



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -3.356+/-0.134 χ^2/NDF:770.4/7

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -5.167+/-0.147 χ^2/NDF:222.0/5

Left: -4.181+/-0.099 χ^2/NDF: 1075.6/13

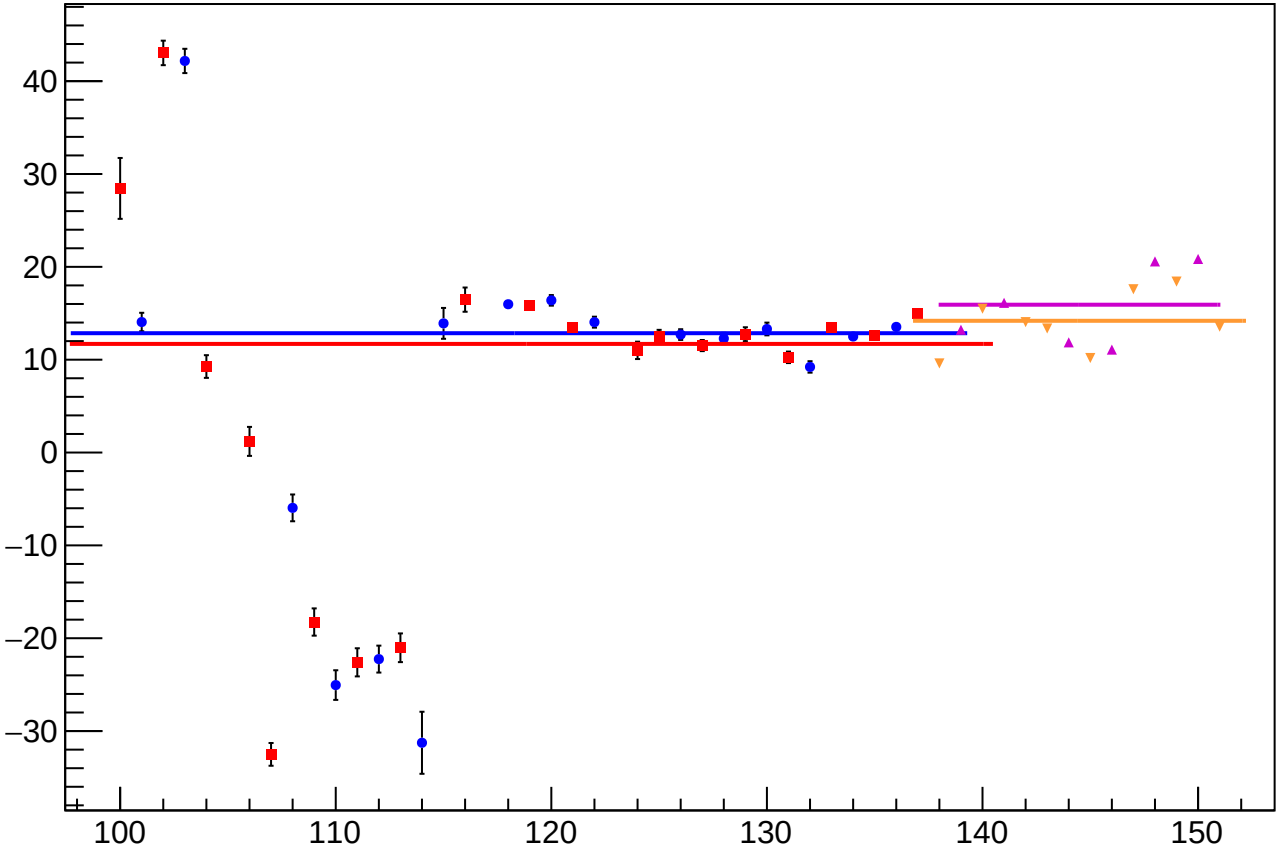
Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -6.882+/-0.103 χ^2/NDF:793.4/21

Out: -5.378+/-0.101 χ^2/NDF:1783.8/26

All: -6.114+/-0.072 χ^2/NDF: 2686.2/48

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.190+/-0.121 χ^2/NDF:597.1/7

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 15.922+/-0.140 χ^2/NDF:779.3/5

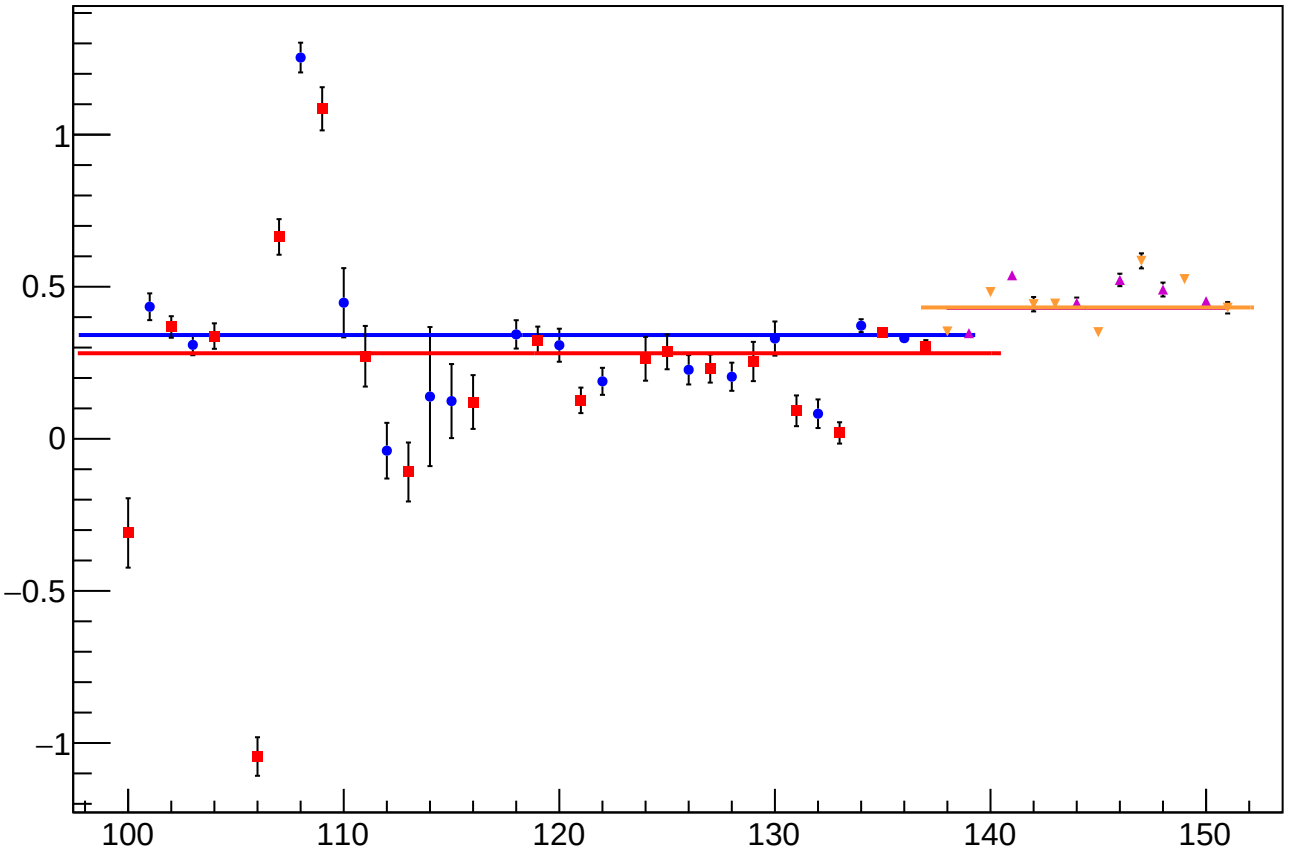
Left: 14.932+/-0.091 χ^2/NDF: 1464.5/13

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 14.502+/-0.102 χ^2/NDF:3131.5/21

Out: 13.249+/-0.095 χ^2/NDF:4256.4/26

All: 13.831+/-0.070 χ^2/NDF: 7468.3/48



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.432+/-0.005 χ^2/NDF:170.1/7

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.430+/-0.006 χ^2/NDF:173.9/5

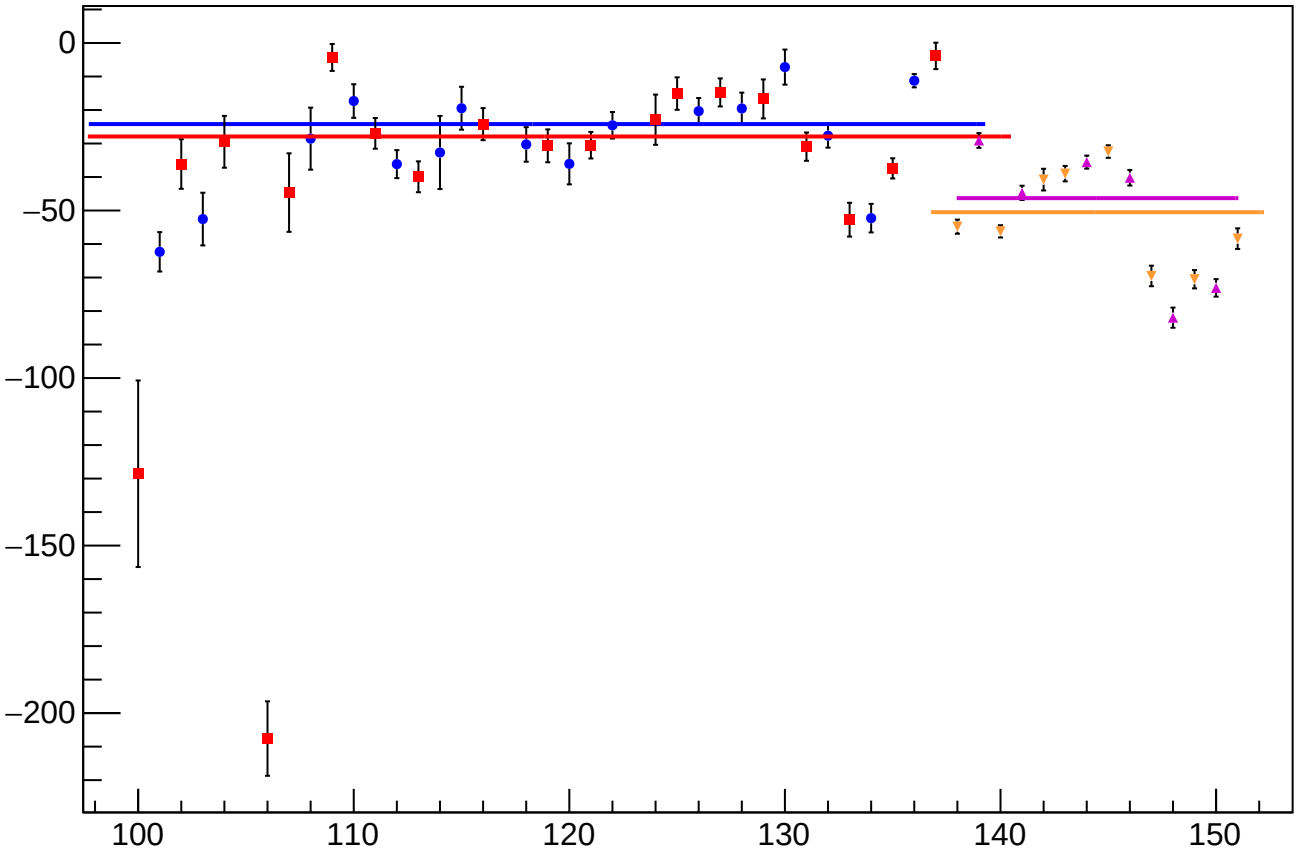
Left: 0.431+/-0.004 χ^2/NDF: 344.0/13

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.399+/-0.005 χ^2/NDF:691.6/21

Out: 0.387+/-0.005 χ^2/NDF:1170.0/26

All: 0.393+/-0.003 χ^2/NDF: 1864.8/48



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -50.491+/-0.835 χ^2/NDF:239.7/7

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -46.306+/-0.940 χ^2/NDF:344.5/5

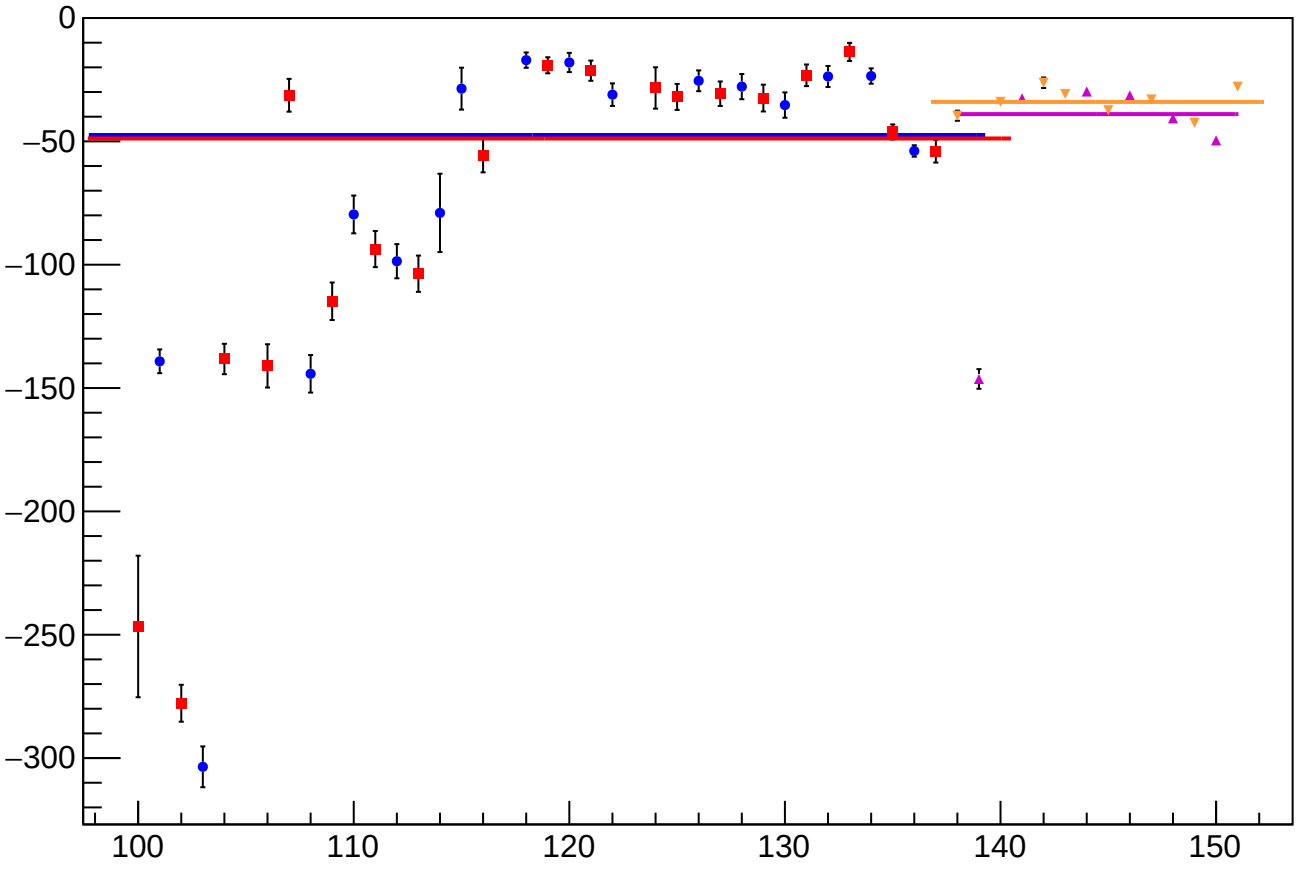
Left: -48.647+/-0.624 χ^2/NDF: 595.2/13

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -36.839+/-0.711 χ^2/NDF:751.8/21

Out: -42.584+/-0.673 χ^2/NDF:909.5/26

All: -39.870+/-0.489 χ^2/NDF: 1695.7/48



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.015+/-0.591 χ^2/NDF:67.1/7

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -38.953+/-0.659 χ^2/NDF:852.0/5

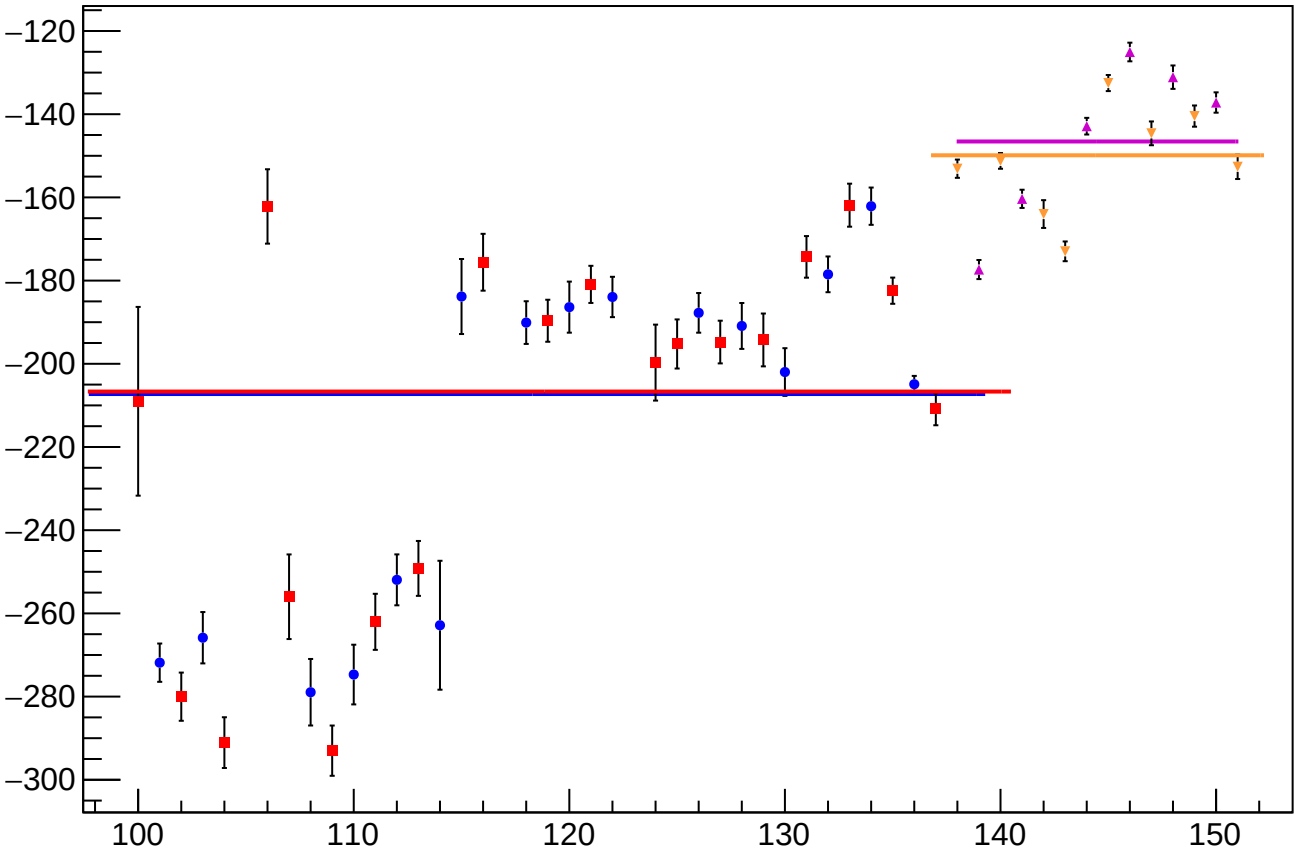
Left: -36.216+/-0.440 χ^2/NDF: 950.3/13

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -41.188+/-0.566 χ^2/NDF:2769.1/21

Out: -36.978+/-0.529 χ^2/NDF:1967.3/26

All: -38.942+/-0.386 χ^2/NDF: 4766.0/48



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -149.877+/-0.841 χ^2/NDF:213.8/7

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -146.559+/-0.936 χ^2/NDF:359.9/5

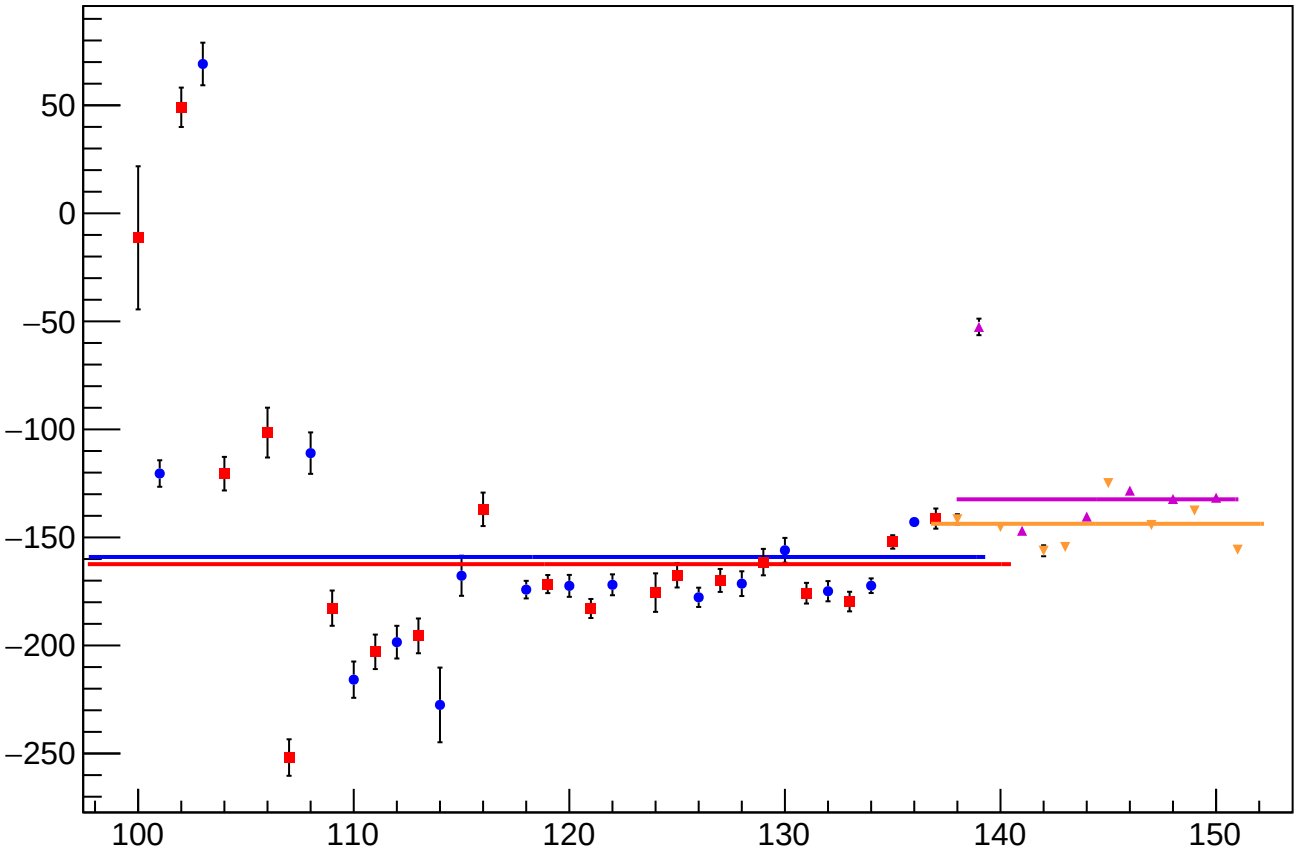
Left: -148.396+/-0.626 χ^2/NDF: 580.7/13

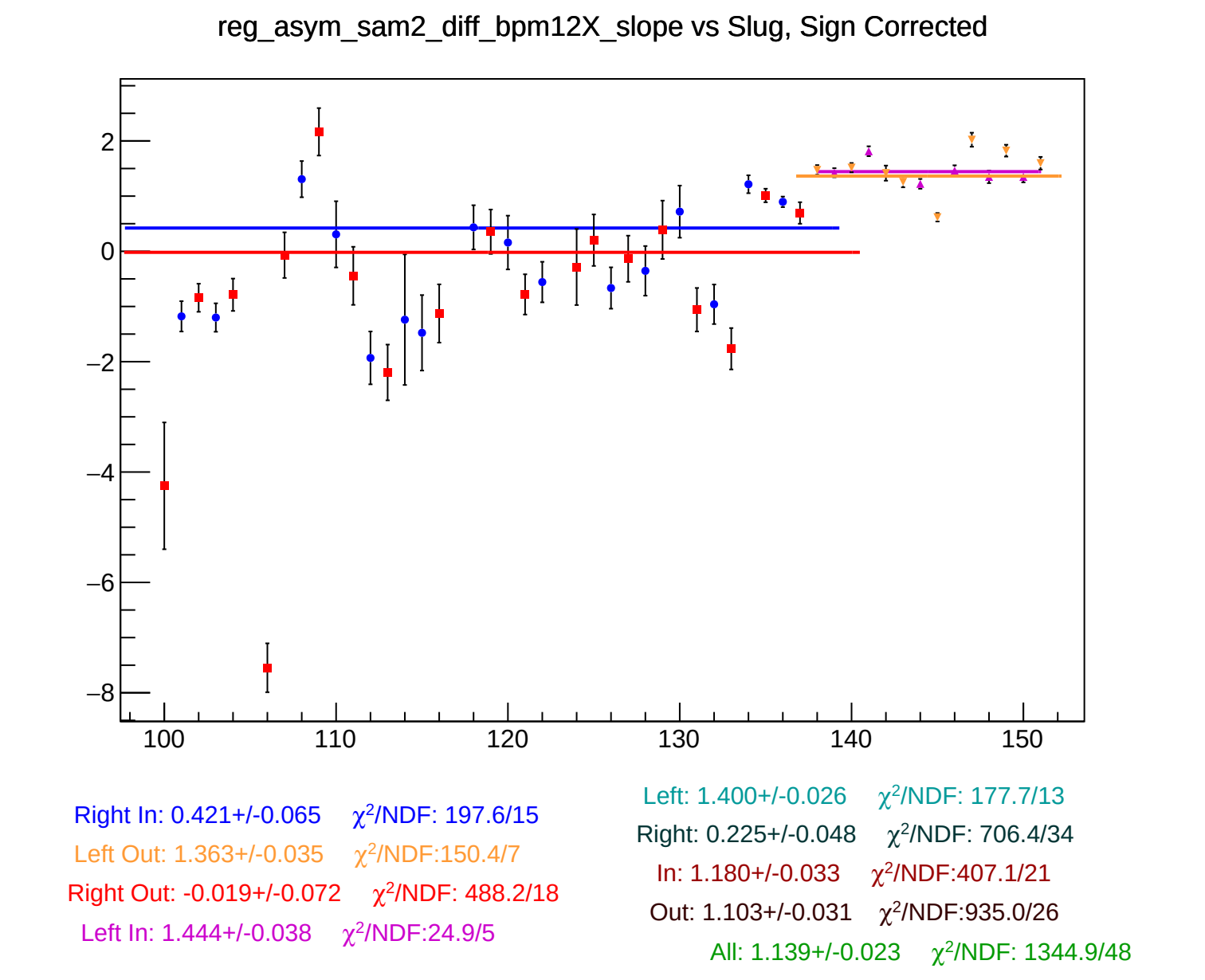
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

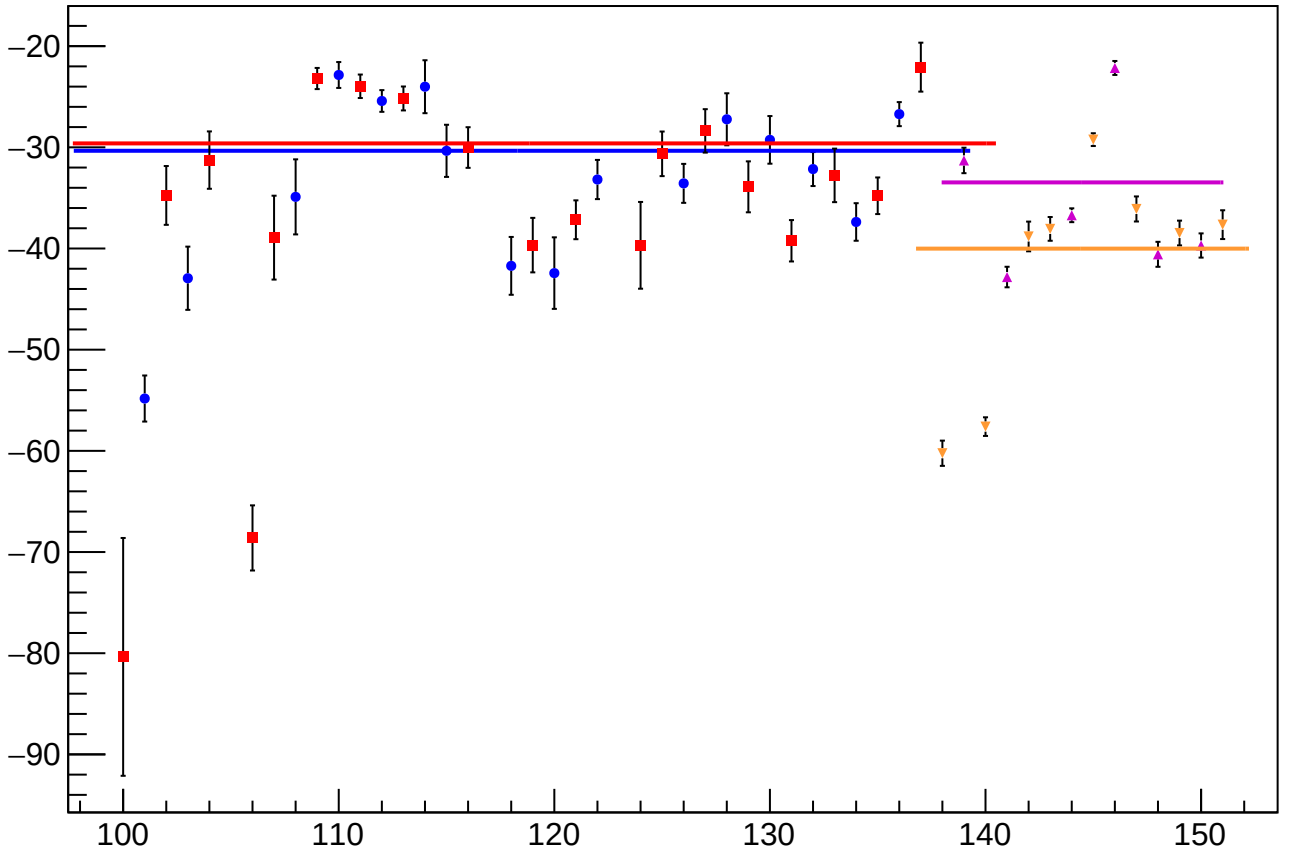
In: -170.058+/-0.733 χ^2/NDF:2735.2/21

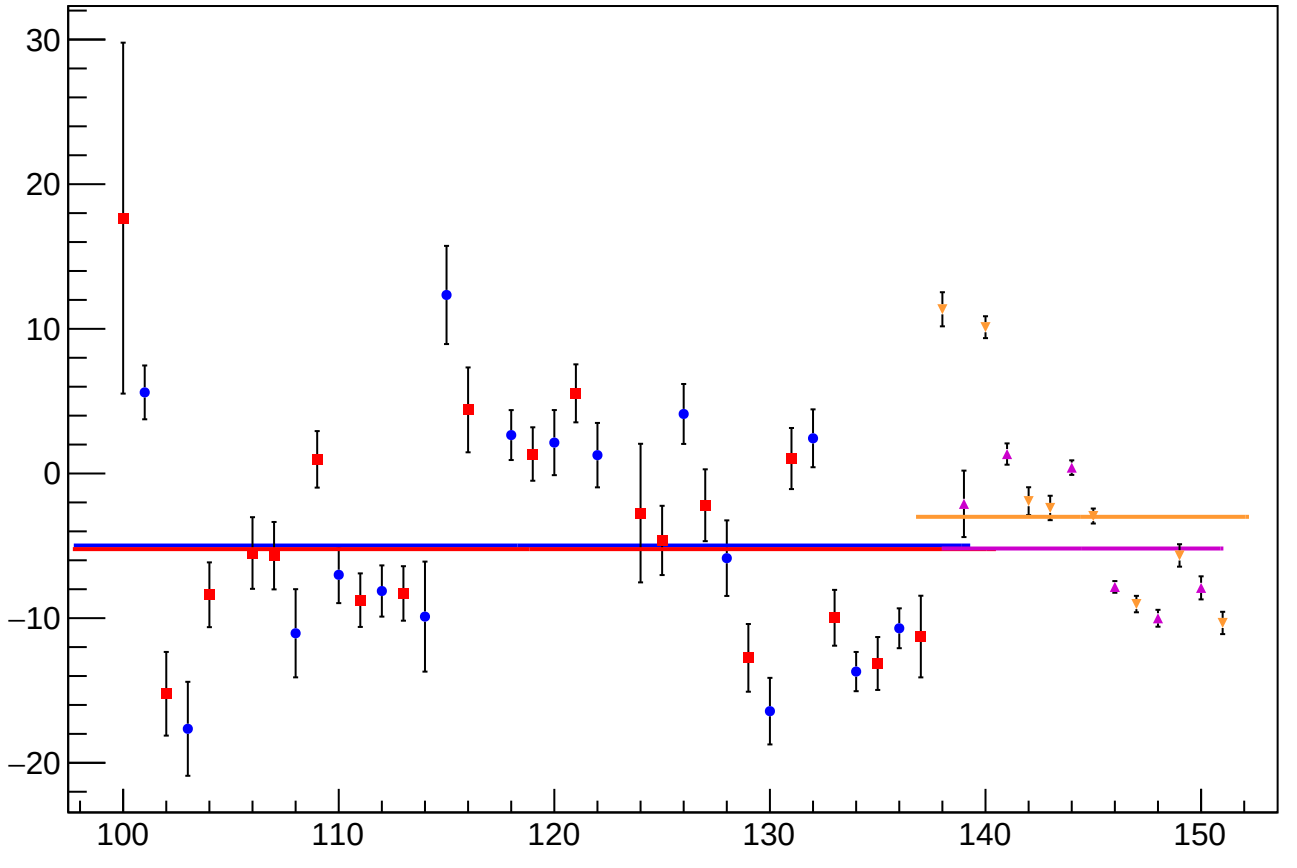
Out: -167.007+/-0.703 χ^2/NDF:2559.4/26

All: -168.468+/-0.507 χ^2/NDF: 5303.7/48


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -143.690+/-0.721 χ²/NDF:209.3/7
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -132.366+/-0.804 χ²/NDF:525.3/5
Left: -138.645+/-0.537 χ²/NDF: 844.5/13
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -140.399+/-0.672 χ²/NDF:1672.4/21
Out: -147.962+/-0.633 χ²/NDF:1235.4/26
All: -144.408+/-0.461 χ²/NDF: 2974.8/48


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.363+/-0.035 χ²/NDF:150.4/7
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.444+/-0.038 χ²/NDF:24.9/5
Left: 1.400+/-0.026 χ²/NDF: 177.7/13
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.180+/-0.033 χ²/NDF:407.1/21
Out: 1.103+/-0.031 χ²/NDF:935.0/26
All: 1.139+/-0.023 χ²/NDF: 1344.9/48


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -40.012+/-0.369 χ²/NDF:936.3/7
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -33.468+/-0.373 χ²/NDF:438.4/5
Left: -36.772+/-0.262 χ²/NDF: 1530.2/13
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -32.253+/-0.292 χ²/NDF:719.3/21
Out: -35.832+/-0.286 χ²/NDF:1584.2/26
All: -34.079+/-0.204 χ²/NDF: 2380.4/48



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -2.995+/-0.257 χ^2/NDF:665.1/7

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -5.186+/-0.245 χ^2/NDF:326.9/5

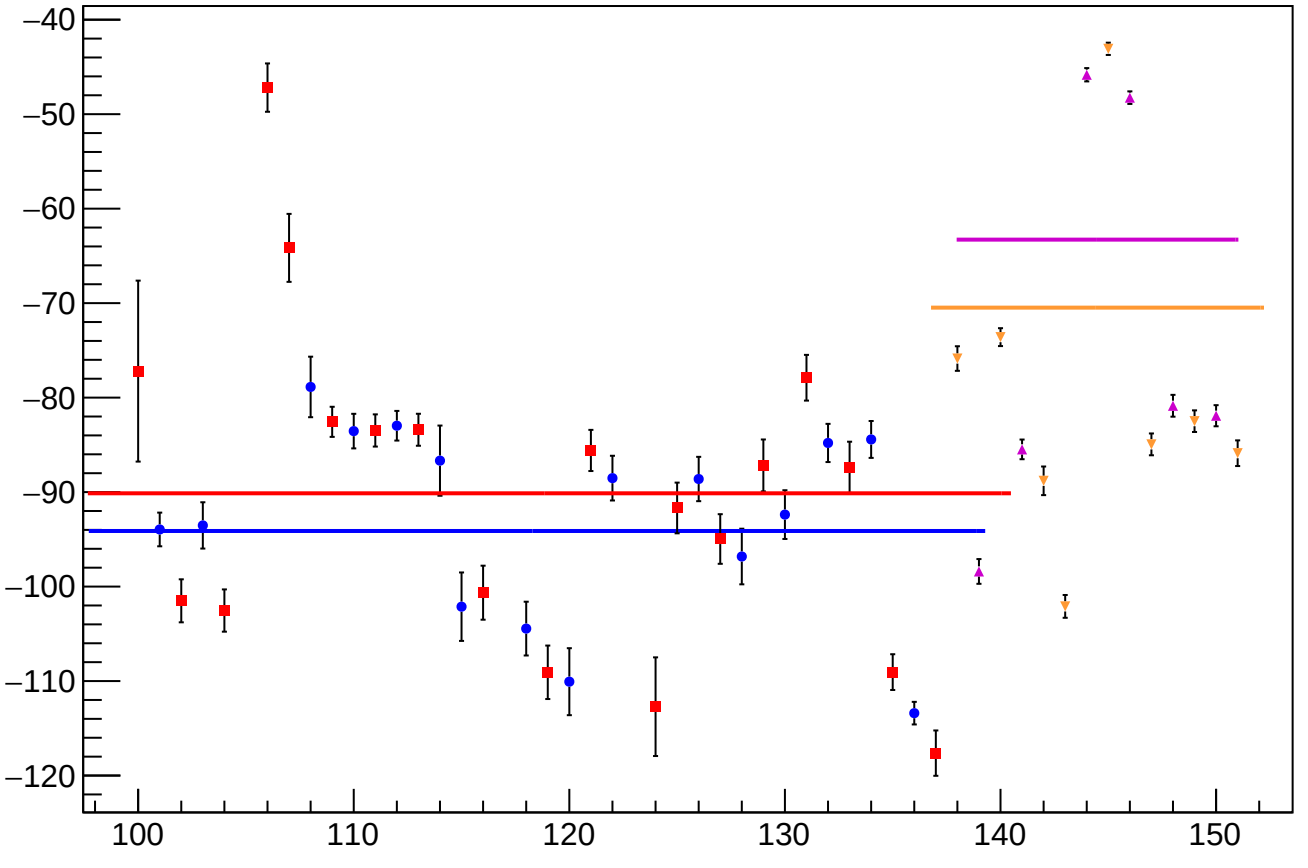
Left: -4.141+/-0.178 χ^2/NDF: 1030.0/13

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -5.147+/-0.221 χ^2/NDF:564.4/21

Out: -3.429+/-0.231 χ^2/NDF:816.2/26

All: -4.325+/-0.160 χ^2/NDF: 1409.5/48



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -70.475+/-0.371 χ^2/NDF:3030.8/7

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -63.278+/-0.369 χ^2/NDF:2806.0/5

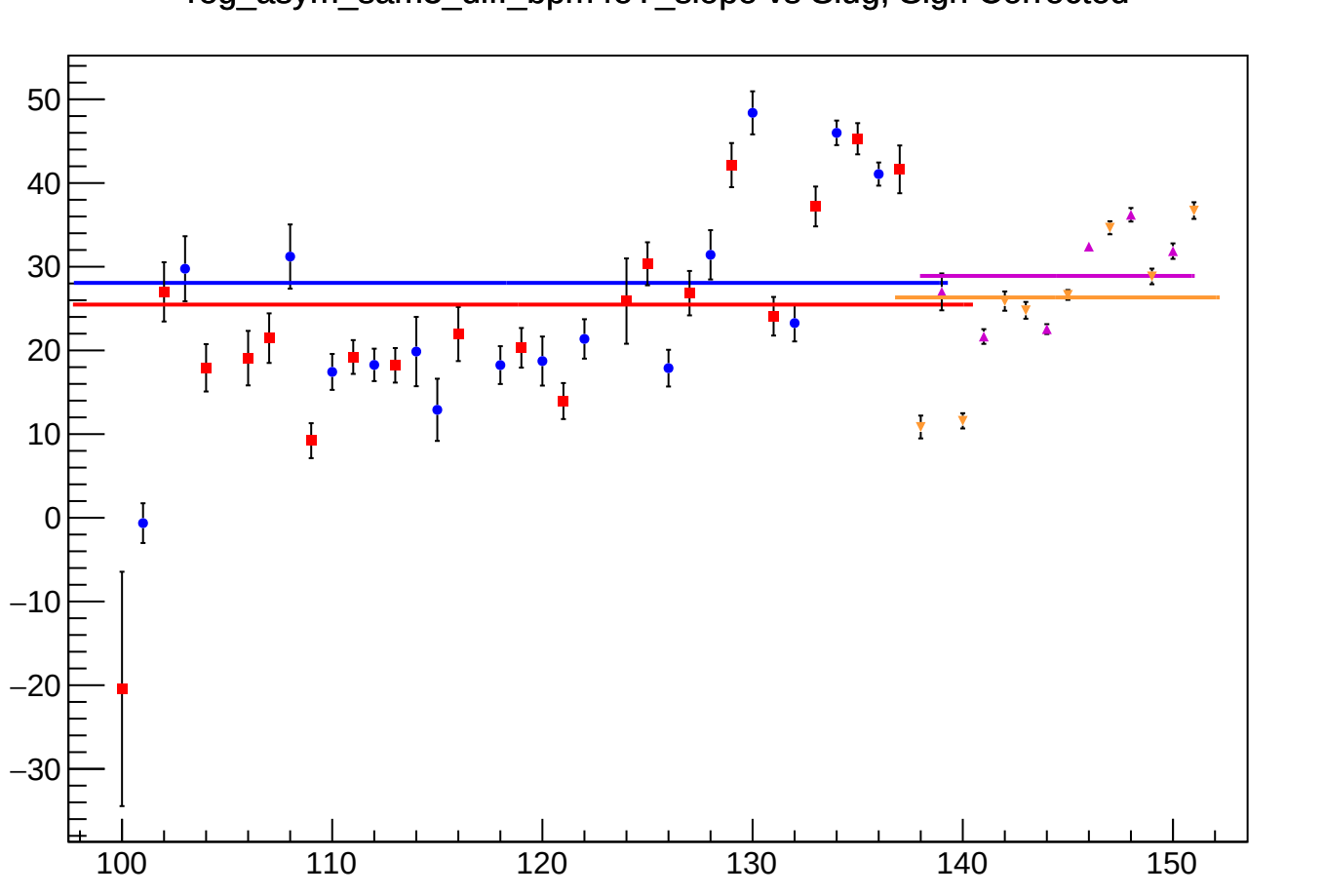
Left: -66.858+/-0.262 χ^2/NDF: 6025.6/13

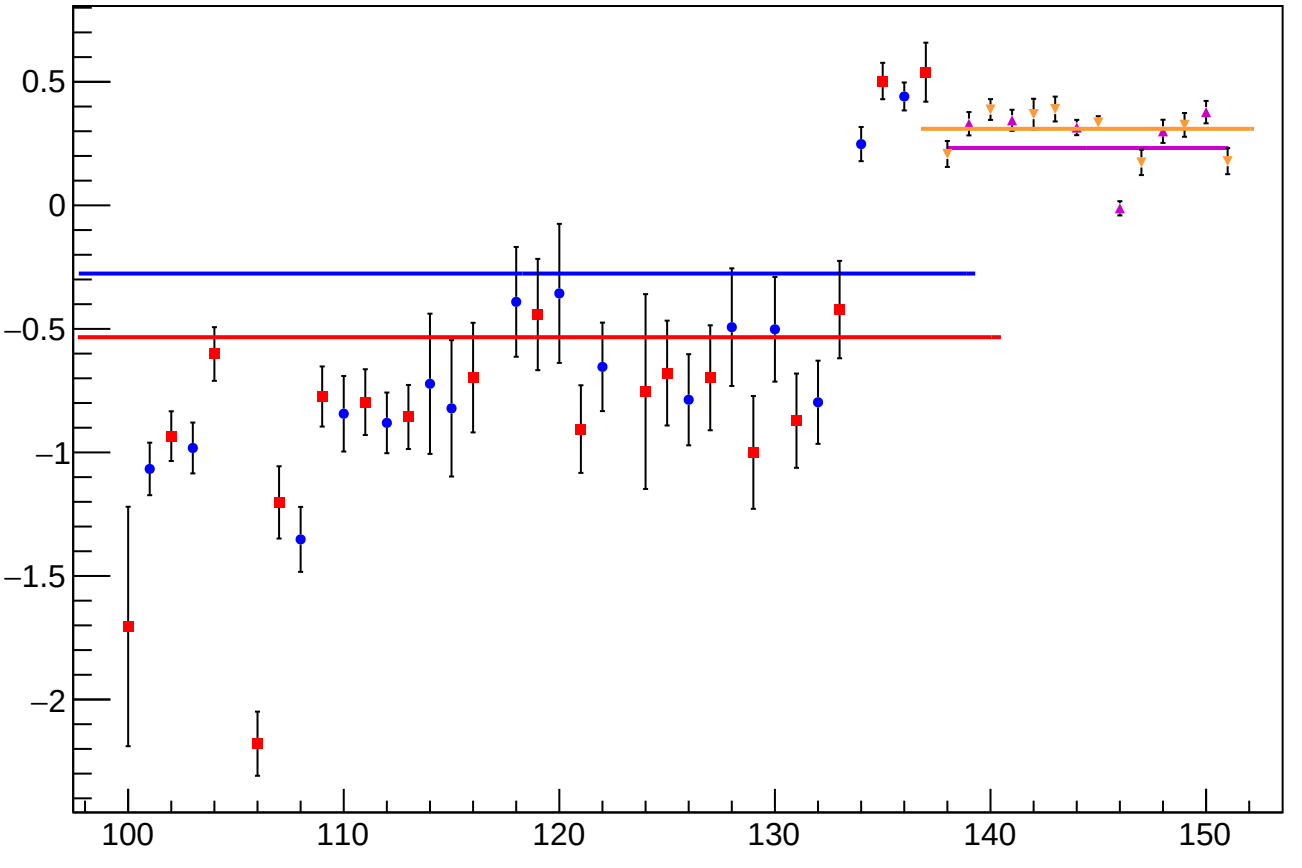
Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -73.185+/-0.304 χ^2/NDF:5510.8/21

Out: -76.741+/-0.307 χ^2/NDF:4712.5/26

All: -74.950+/-0.216 χ^2/NDF: 10291.1/48


reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
Right In: 28.068+/-0.569 χ²/NDF: 583.1/15
Left Out: 26.331+/-0.314 χ²/NDF:623.0/7
Right Out: 25.477+/-0.590 χ²/NDF: 354.6/18
Left In: 28.904+/-0.303 χ²/NDF:322.8/5
Left: 27.664+/-0.218 χ²/NDF: 980.6/13
Right: 26.821+/-0.410 χ²/NDF: 947.7/34
In: 28.720+/-0.267 χ²/NDF:907.6/21
Out: 26.142+/-0.277 χ²/NDF:979.3/26
All: 27.478+/-0.192 χ²/NDF: 1931.7/48



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.310+/-0.015 χ^2/NDF:24.9/7

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.232+/-0.015 χ^2/NDF:102.2/5

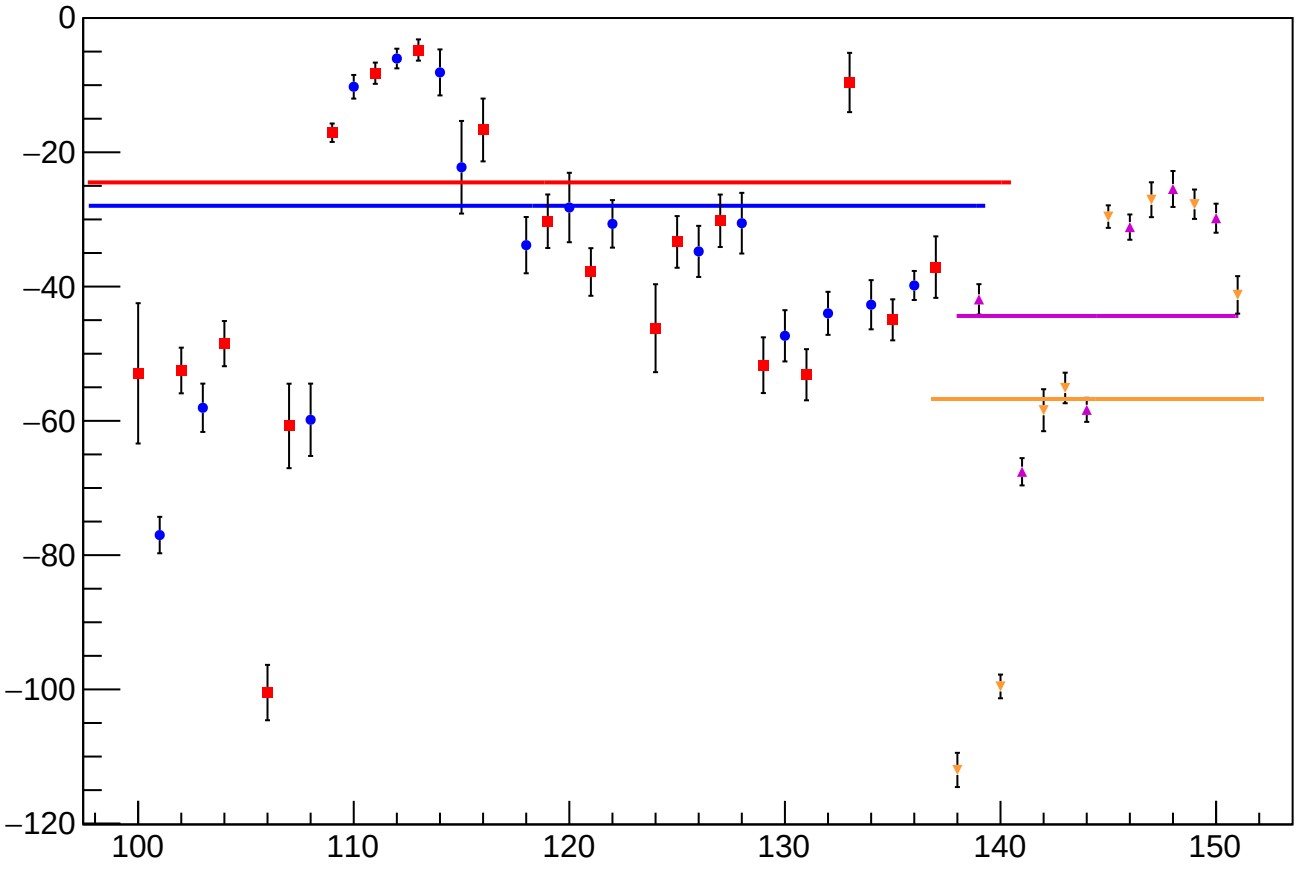
Left: 0.271+/-0.011 χ^2/NDF: 139.9/13

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.129+/-0.014 χ^2/NDF:777.1/21

Out: 0.159+/-0.014 χ^2/NDF:1076.5/26

All: 0.144+/-0.010 χ^2/NDF: 1855.9/48



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -56.744+/-0.788 χ^2/NDF:1657.1/7

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -44.378+/-0.850 χ^2/NDF:337.2/5

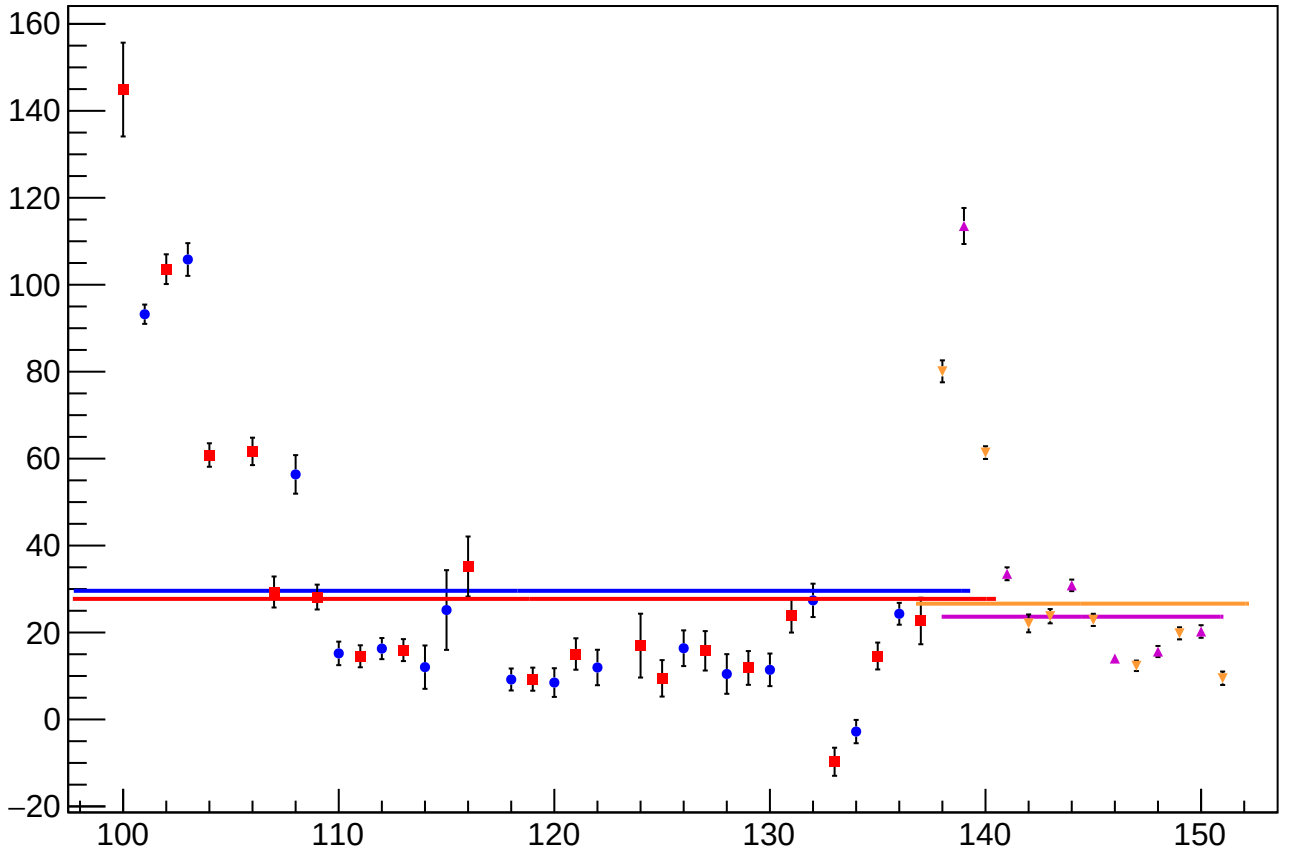
Left: -51.027+/-0.578 χ^2/NDF: 2108.1/13

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -34.907+/-0.553 χ^2/NDF:1447.0/21

Out: -37.850+/-0.507 χ^2/NDF:3628.0/26

All: -36.505+/-0.374 χ^2/NDF: 5090.4/48



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.637+/-0.546 χ^2/NDF:1311.6/7

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 23.635+/-0.585 χ^2/NDF:659.5/5

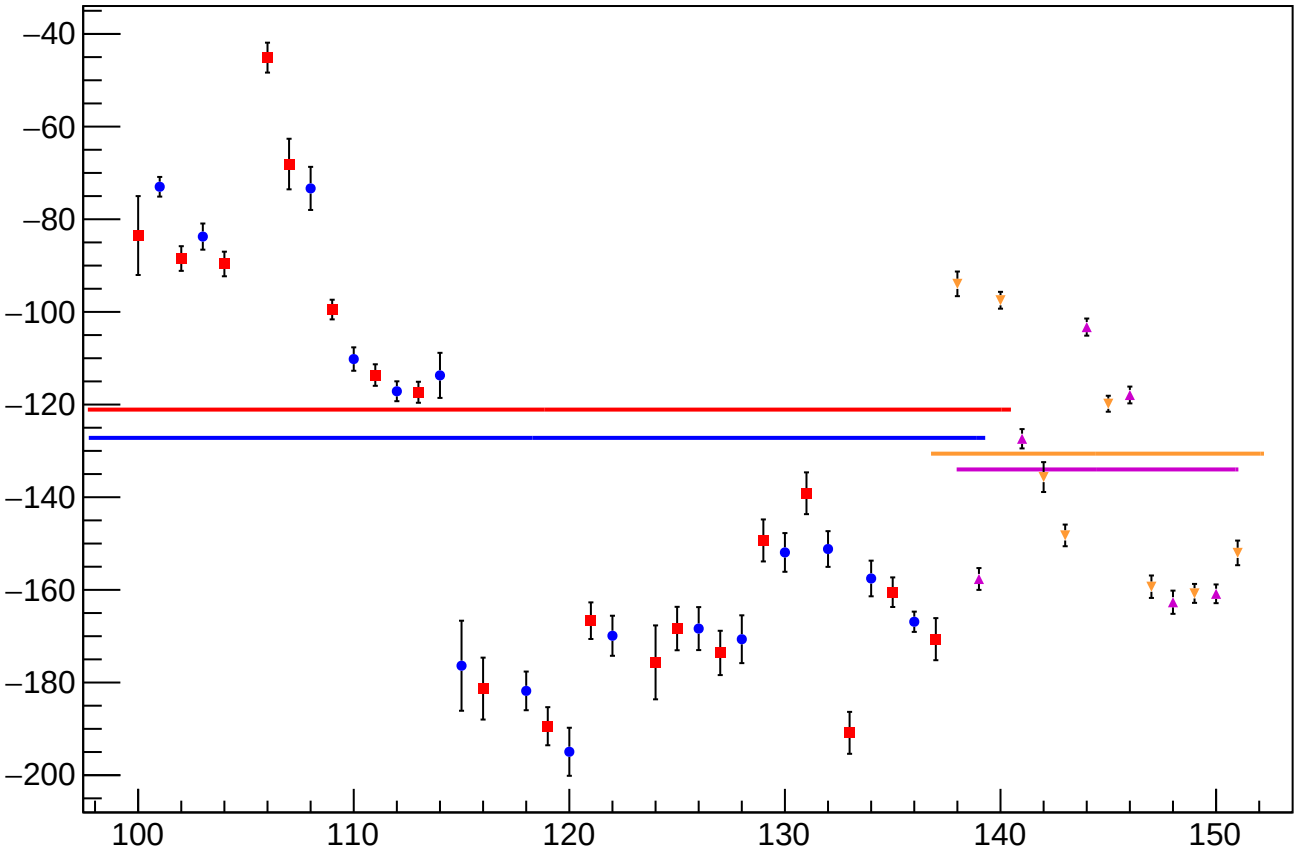
Left: 25.238+/-0.399 χ^2/NDF: 1985.2/13

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 25.685+/-0.473 χ^2/NDF:2360.9/21

Out: 26.988+/-0.450 χ^2/NDF:2498.0/26

All: 26.369+/-0.326 χ^2/NDF: 4862.9/48



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -130.596+/-0.788 χ^2/NDF:1043.7/7

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -134.005+/-0.842 χ^2/NDF:773.5/5

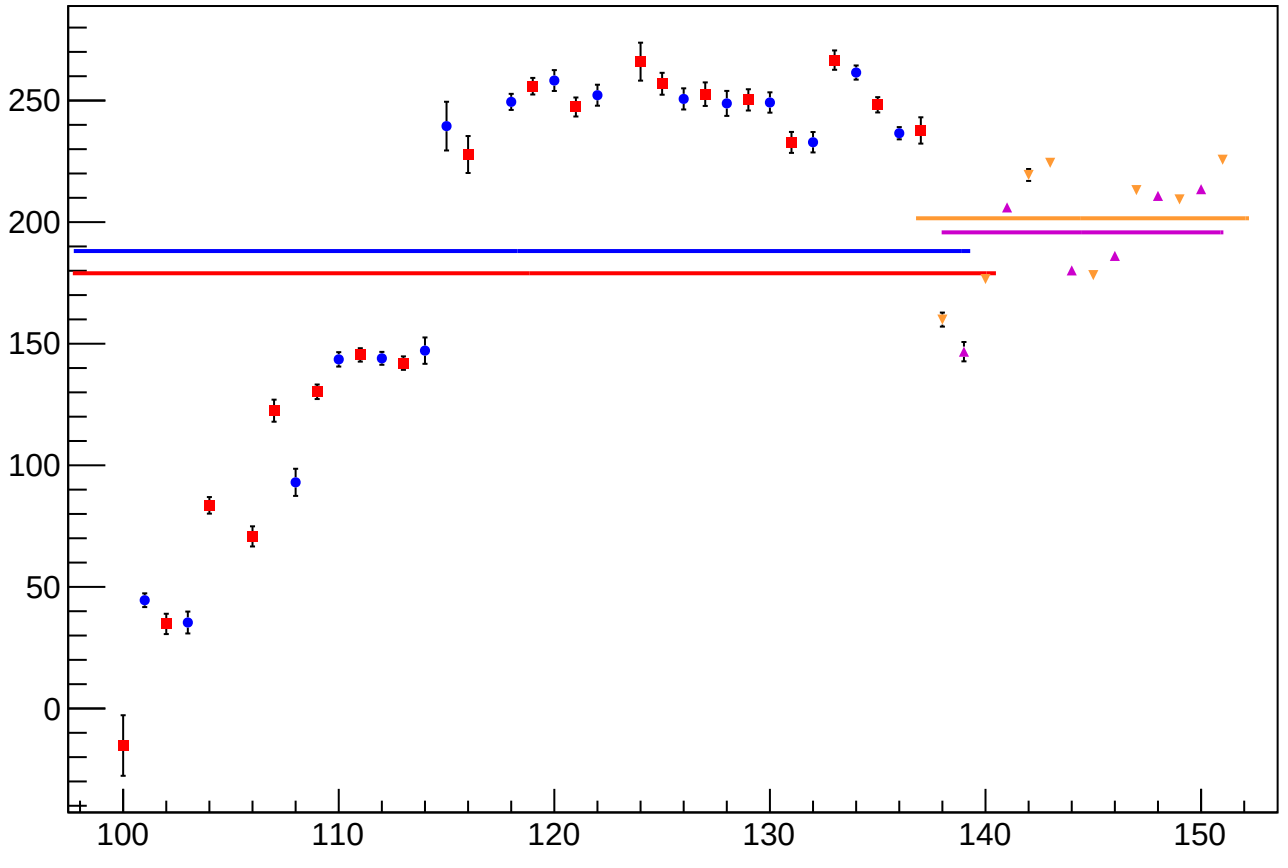
Left: -132.188+/-0.575 χ^2/NDF: 1825.9/13

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -130.548+/-0.591 χ^2/NDF:2984.9/21

Out: -125.900+/-0.561 χ^2/NDF:3512.9/26

All: -128.102+/-0.407 χ^2/NDF: 6530.4/48



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.582+/-0.667 χ^2/NDF:1033.3/7

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 195.789+/-0.713 χ^2/NDF:517.6/5

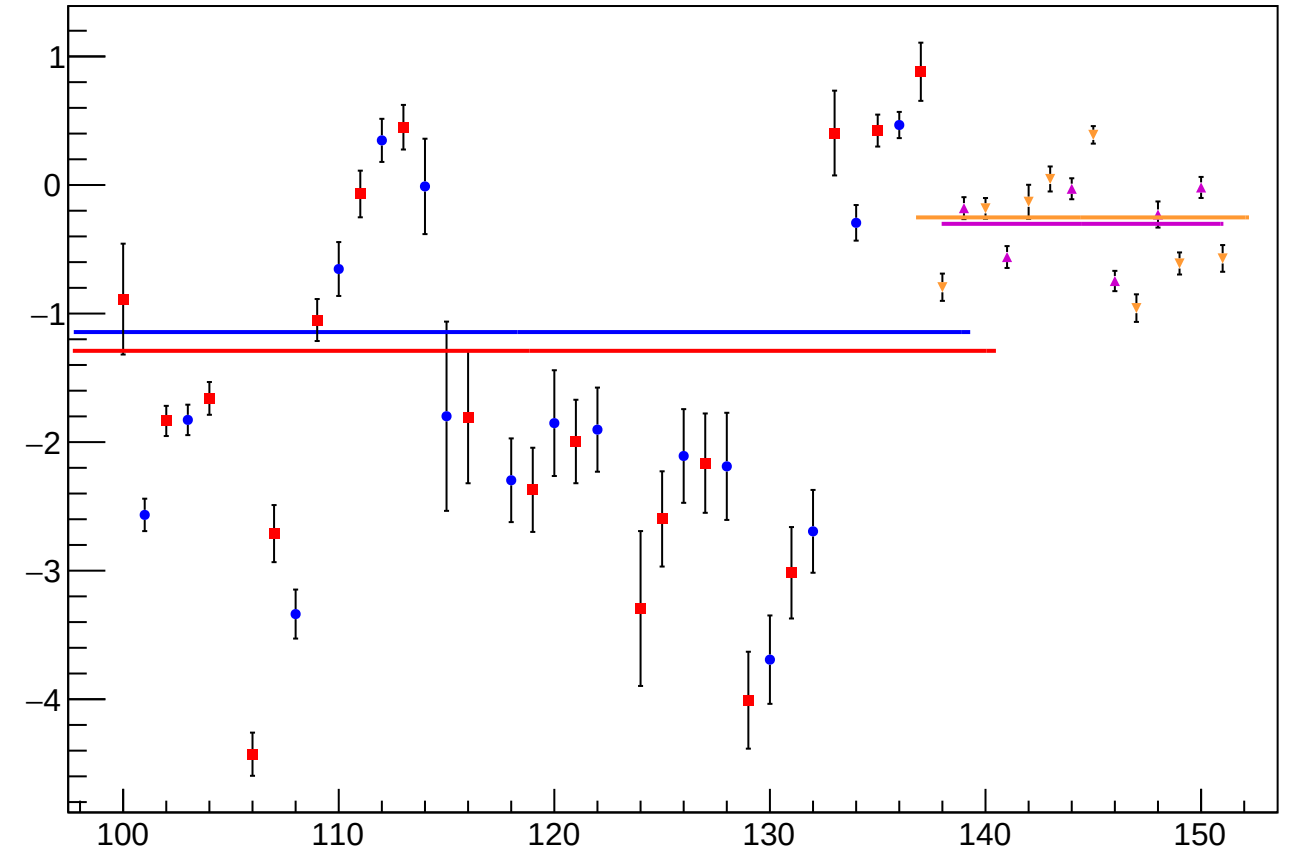
Left: 198.875+/-0.487 χ^2/NDF: 1586.2/13

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 192.901+/-0.563 χ^2/NDF:7679.9/21

Out: 193.652+/-0.538 χ^2/NDF:8104.7/26

All: 193.293+/-0.389 χ^2/NDF: 15785.6/48



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.252+/-0.033 χ^2/NDF:196.1/7

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.302+/-0.035 χ^2/NDF:66.7/5

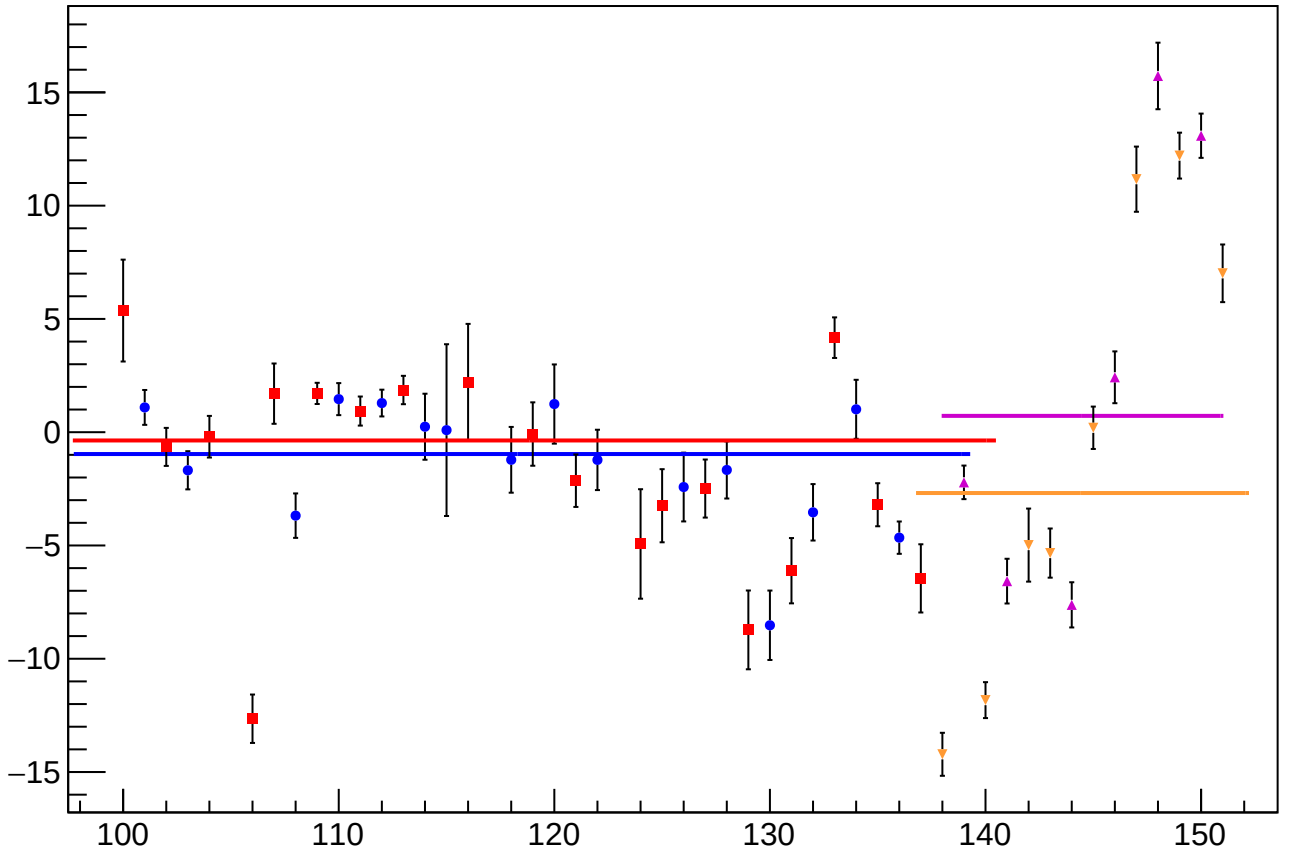
Left: -0.276+/-0.024 χ^2/NDF: 263.8/13

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.590+/-0.028 χ^2/NDF:1056.2/21

Out: -0.586+/-0.027 χ^2/NDF:1518.9/26

All: -0.588+/-0.019 χ^2/NDF: 2575.1/48



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.685+/-0.374 χ^2/NDF:664.8/7

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: 0.721+/-0.404 χ^2/NDF:407.1/5

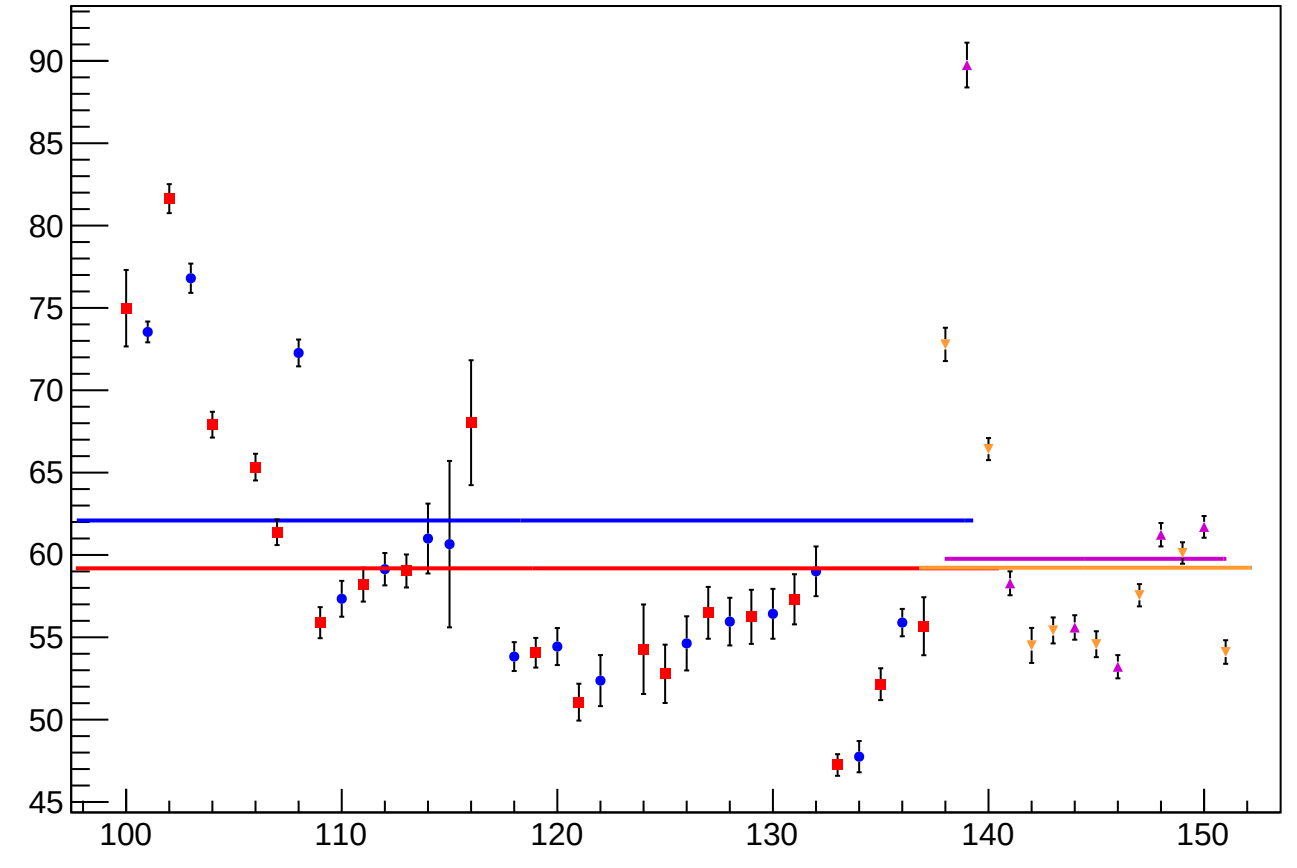
Left: -1.113+/-0.274 χ^2/NDF: 1110.2/13

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.489+/-0.215 χ^2/NDF:522.7/21

Out: -0.977+/-0.192 χ^2/NDF:973.7/26

All: -0.760+/-0.143 χ^2/NDF: 1499.3/48



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.225+/-0.269 χ^2/NDF:432.1/7

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 59.766+/-0.308 χ^2/NDF:621.7/5

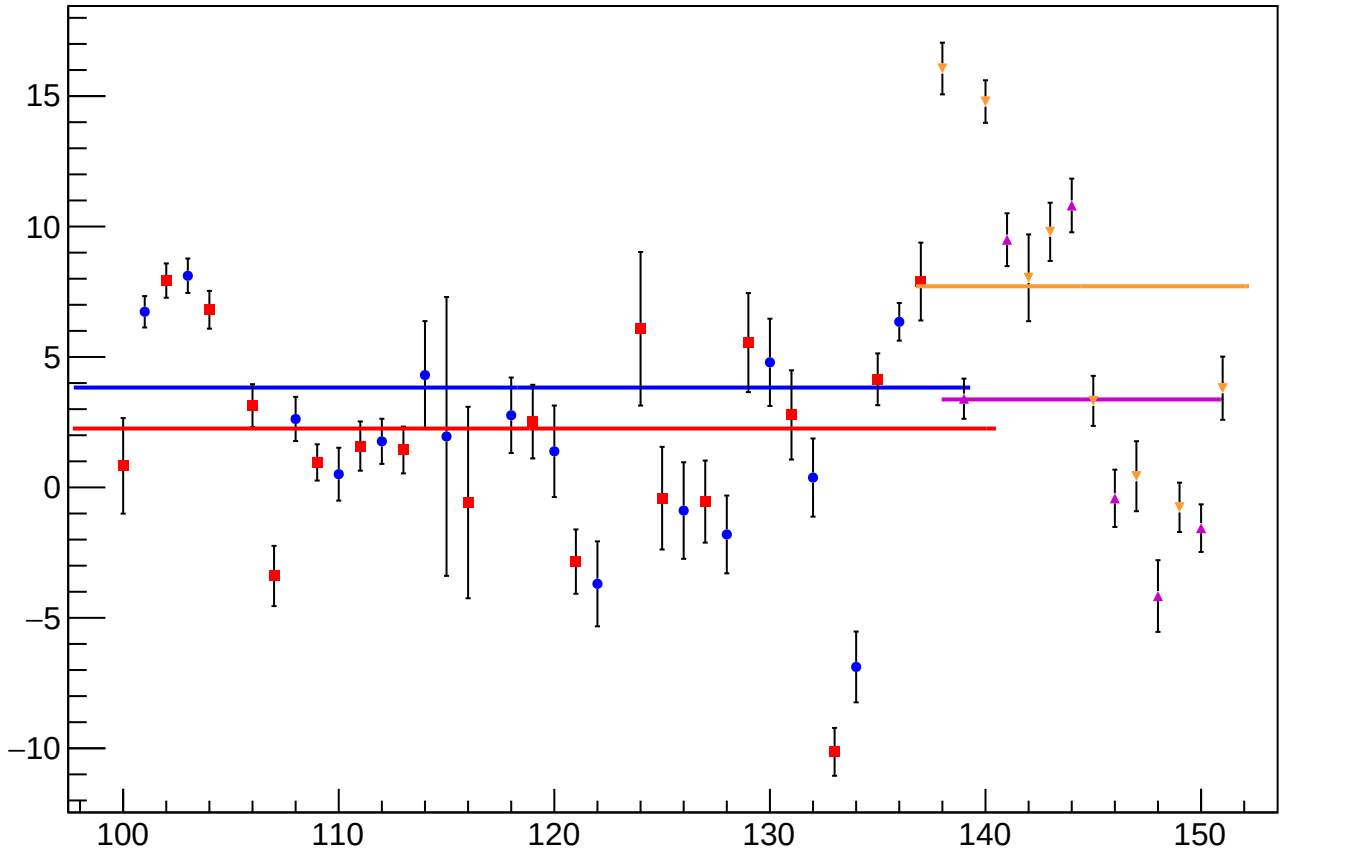
Left: 59.459+/-0.203 χ^2/NDF: 1055.6/13

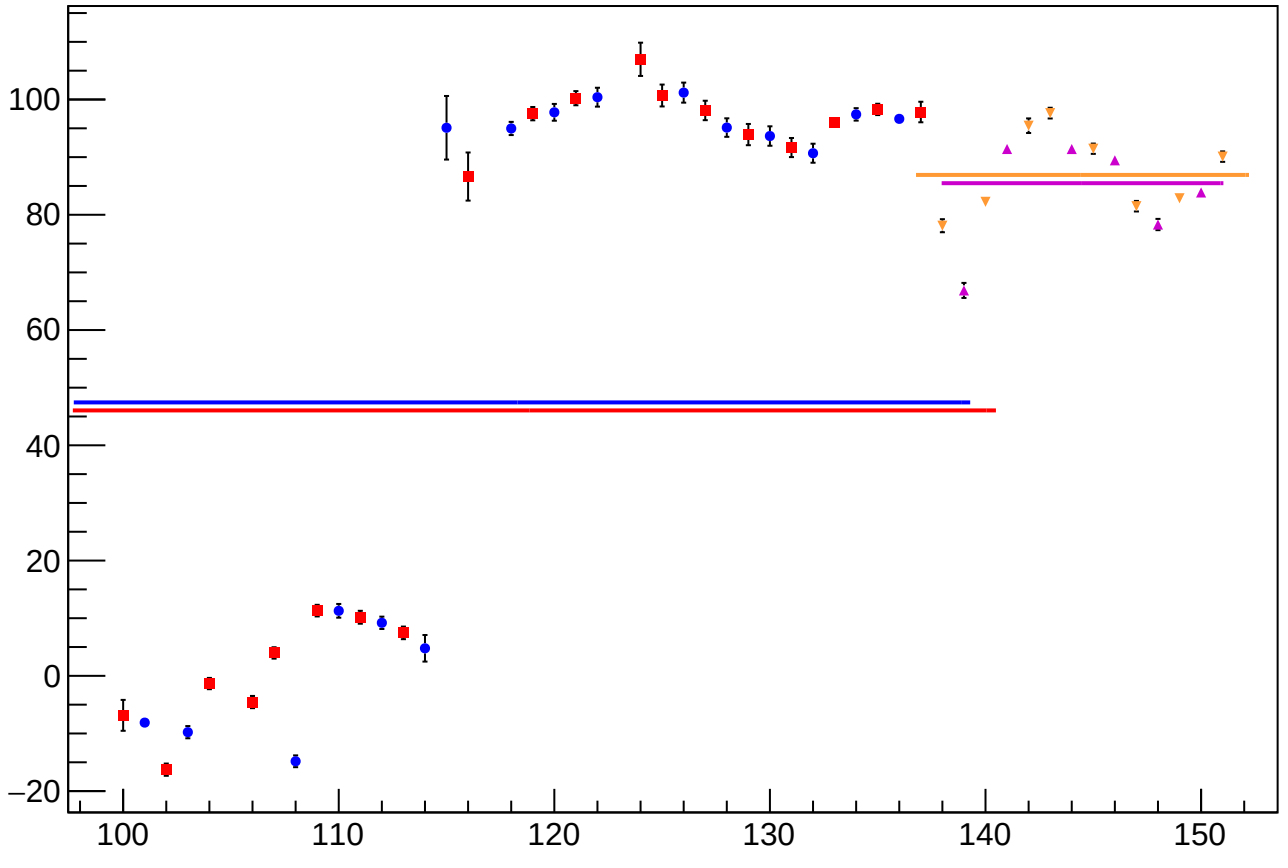
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 61.102+/-0.201 χ^2/NDF:1955.7/21

Out: 59.205+/-0.181 χ^2/NDF:1834.3/26

All: 60.052+/-0.134 χ^2/NDF: 3839.3/48


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
100
110
120
130
140
150
Right In: 3.828+/-0.265 χ²/NDF: 208.6/15
Left Out: 7.710+/-0.375 χ²/NDF:290.7/7
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 3.372+/-0.403 χ²/NDF:160.0/5
Left: 5.698+/-0.274 χ²/NDF: 512.9/13
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 3.690+/-0.222 χ²/NDF:369.5/21
Out: 3.904+/-0.206 χ²/NDF:810.5/26
All: 3.805+/-0.151 χ²/NDF: 1180.5/48



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.913+/-0.326 χ^2/NDF:372.3/7

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 85.479+/-0.368 χ^2/NDF:376.7/5

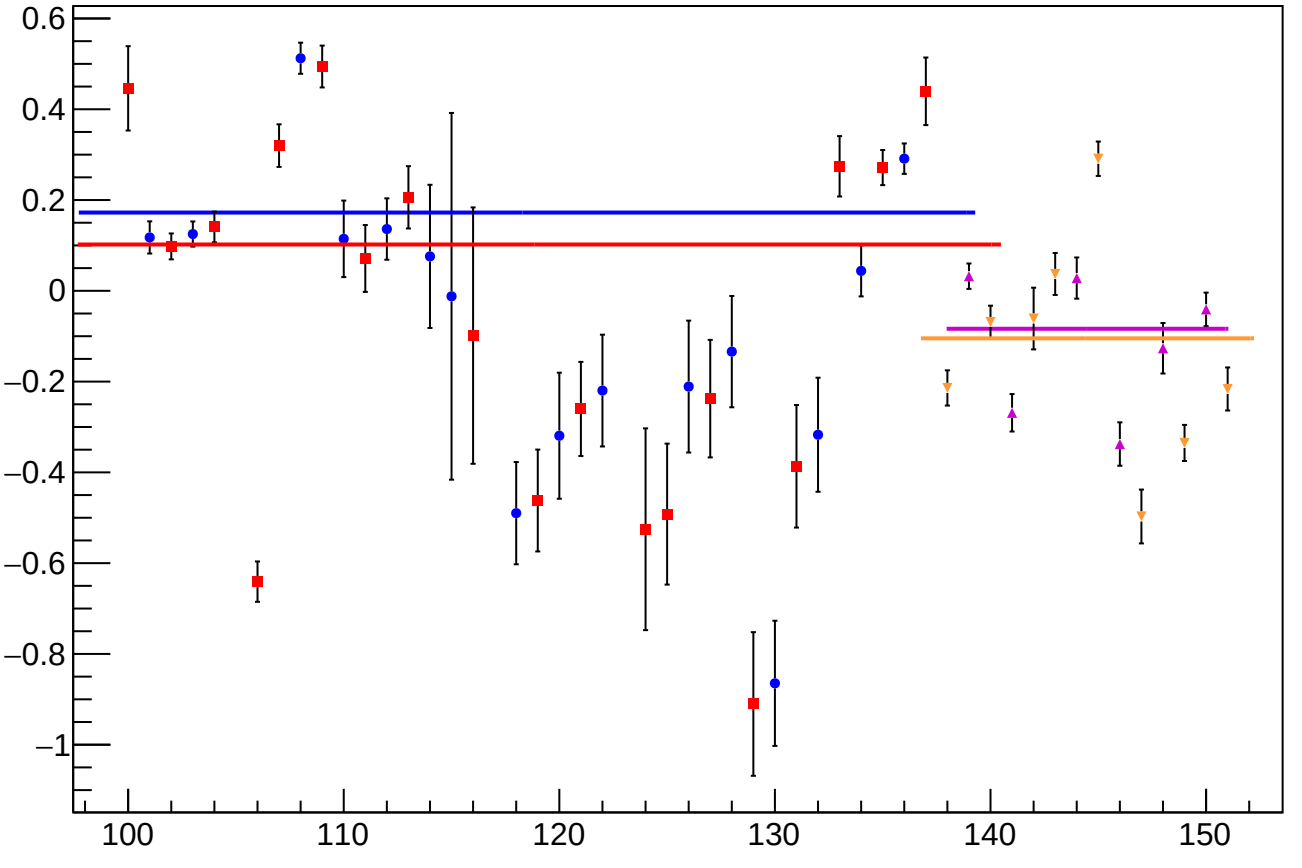
Left: 86.283+/-0.244 χ^2/NDF: 757.6/13

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 63.097+/-0.236 χ^2/NDF:33537.7/21

Out: 63.710+/-0.214 χ^2/NDF:38187.8/26

All: 63.433+/-0.159 χ^2/NDF: 71729.1/48



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.105+/-0.015 χ^2/NDF:210.9/7

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.084+/-0.016 χ^2/NDF:73.5/5

Left: -0.095+/-0.011 χ^2/NDF: 285.3/13

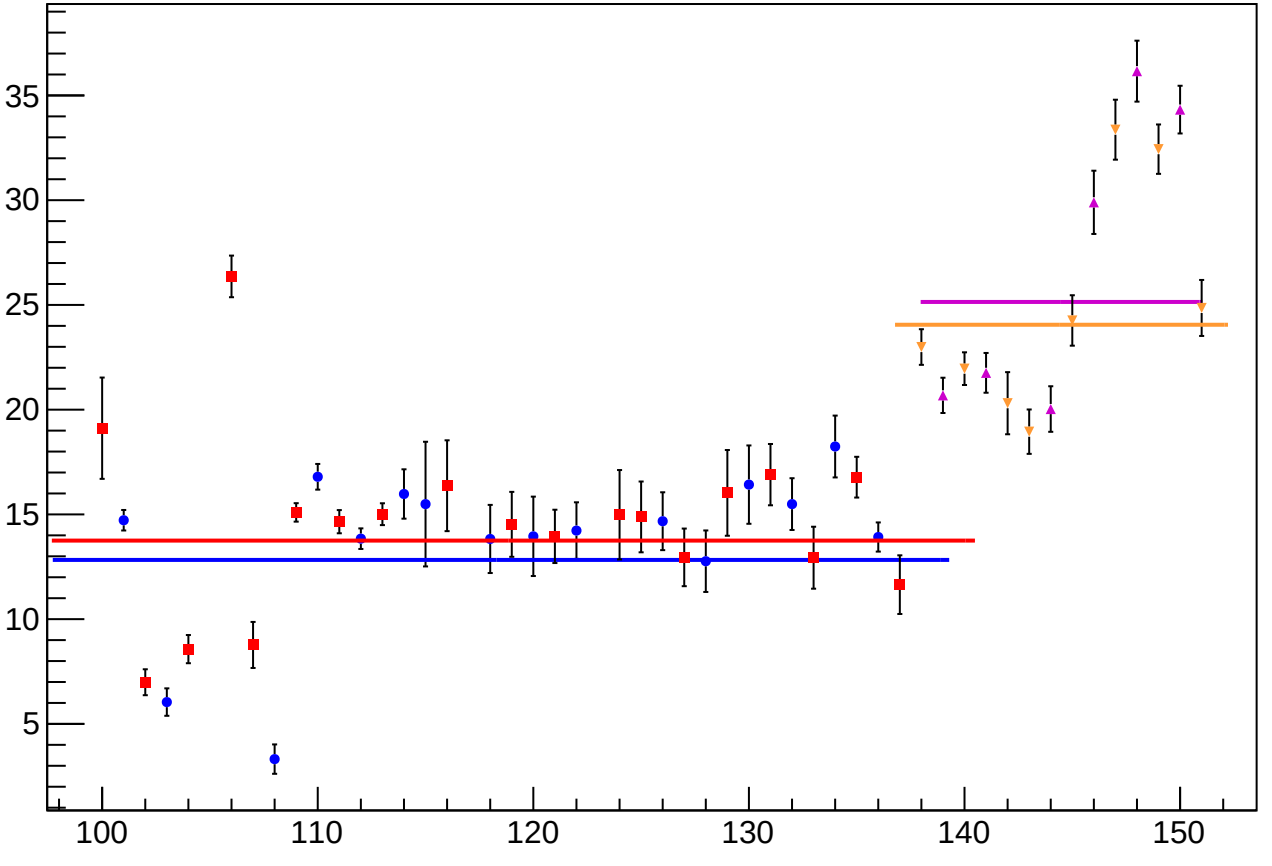
Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.061+/-0.011 χ^2/NDF:480.9/21

Out: 0.013+/-0.010 χ^2/NDF:871.4/26

All: 0.036+/-0.007 χ^2/NDF: 1363.0/48

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 24.054+/-0.383 χ^2/NDF:131.7/7

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 25.142+/-0.445 χ^2/NDF:195.2/5

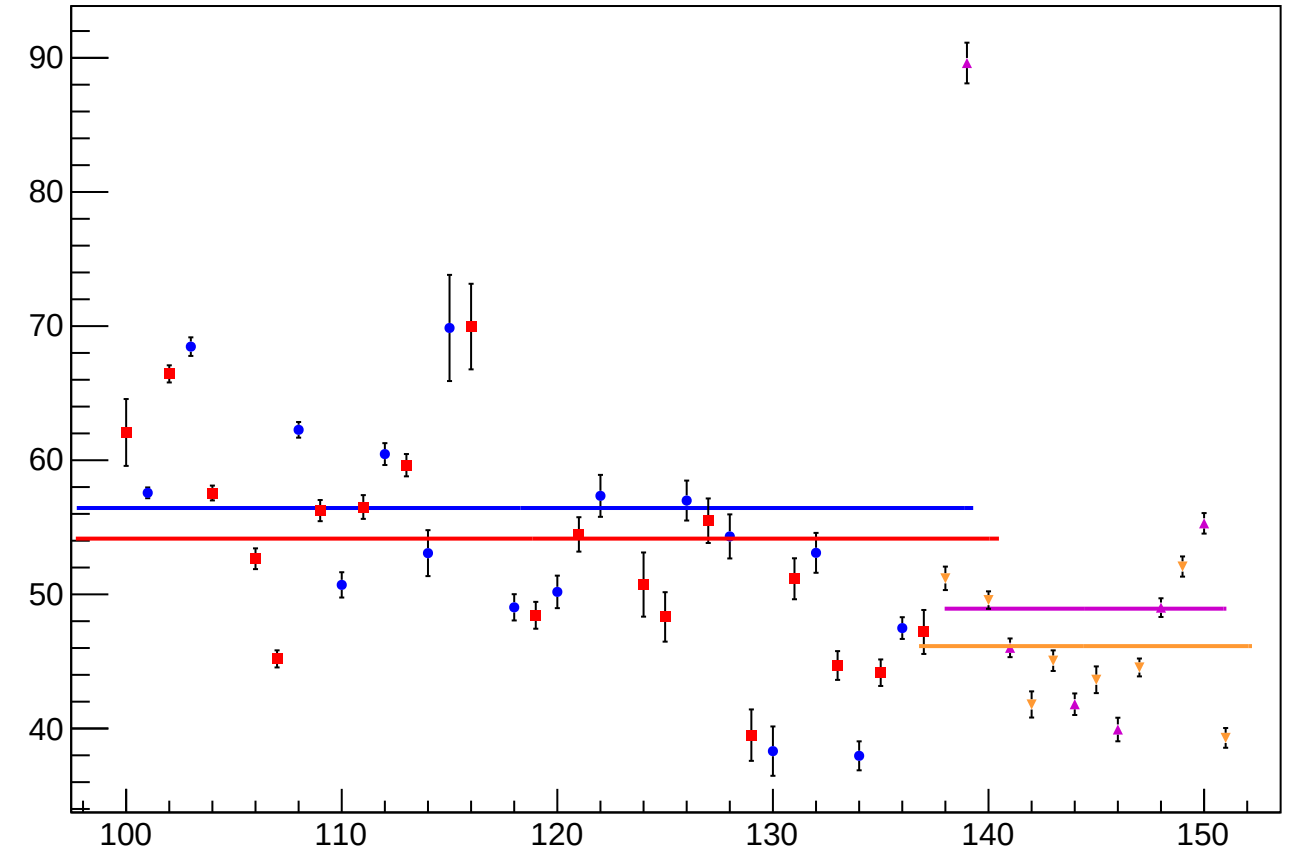
Left: 24.516+/-0.290 χ^2/NDF: 330.3/13

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.141+/-0.193 χ^2/NDF:1205.1/21

Out: 16.033+/-0.180 χ^2/NDF:1100.2/26

All: 15.618+/-0.132 χ^2/NDF: 2316.7/48



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.142+/-0.274 χ^2/NDF:243.4/7

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 48.933+/-0.331 χ^2/NDF:989.4/5

Left: 47.278+/-0.211 χ^2/NDF: 1274.9/13

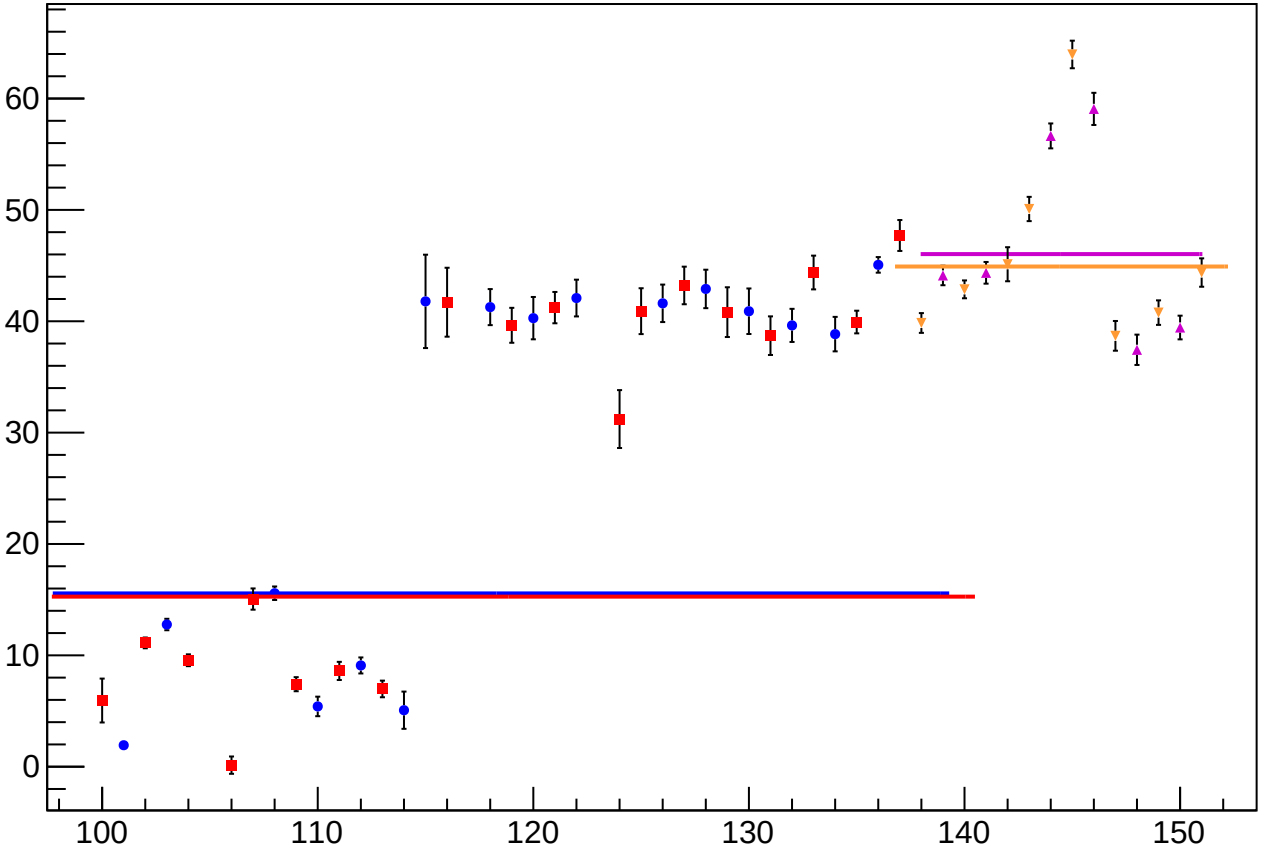
Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 54.116+/-0.184 χ^2/NDF:2431.7/21

Out: 50.943+/-0.174 χ^2/NDF:1760.8/26

All: 52.436+/-0.126 χ^2/NDF: 4349.4/48

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 44.916+/-0.385 χ^2/NDF:334.1/7

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 46.032+/-0.445 χ^2/NDF:257.4/5

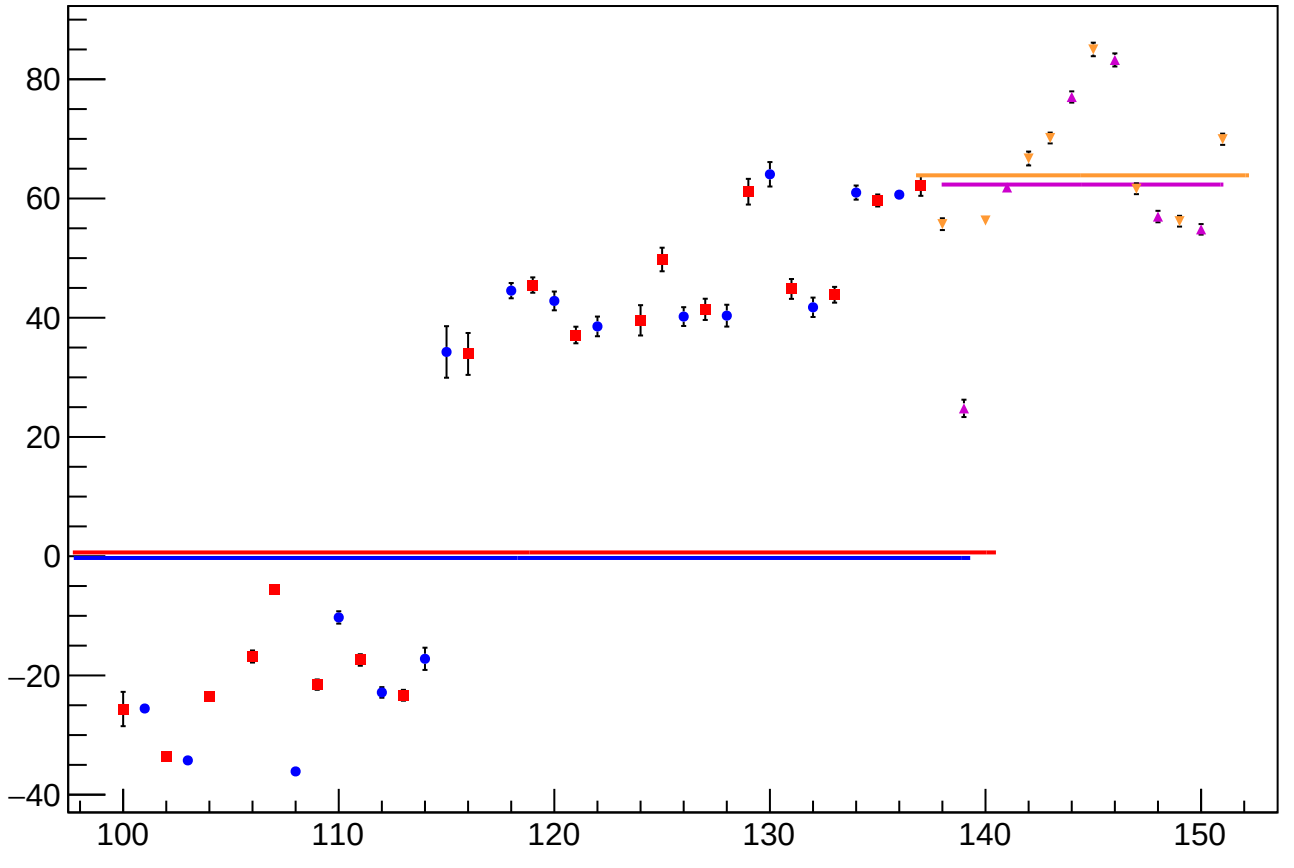
Left: 45.394+/-0.291 χ^2/NDF: 595.2/13

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 21.287+/-0.193 χ^2/NDF:9244.0/21

Out: 22.525+/-0.190 χ^2/NDF:8684.9/26

All: 21.914+/-0.136 χ^2/NDF: 17949.8/48



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 63.887+/-0.334 χ^2/NDF:680.6/7

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 62.339+/-0.400 χ^2/NDF:1374.0/5

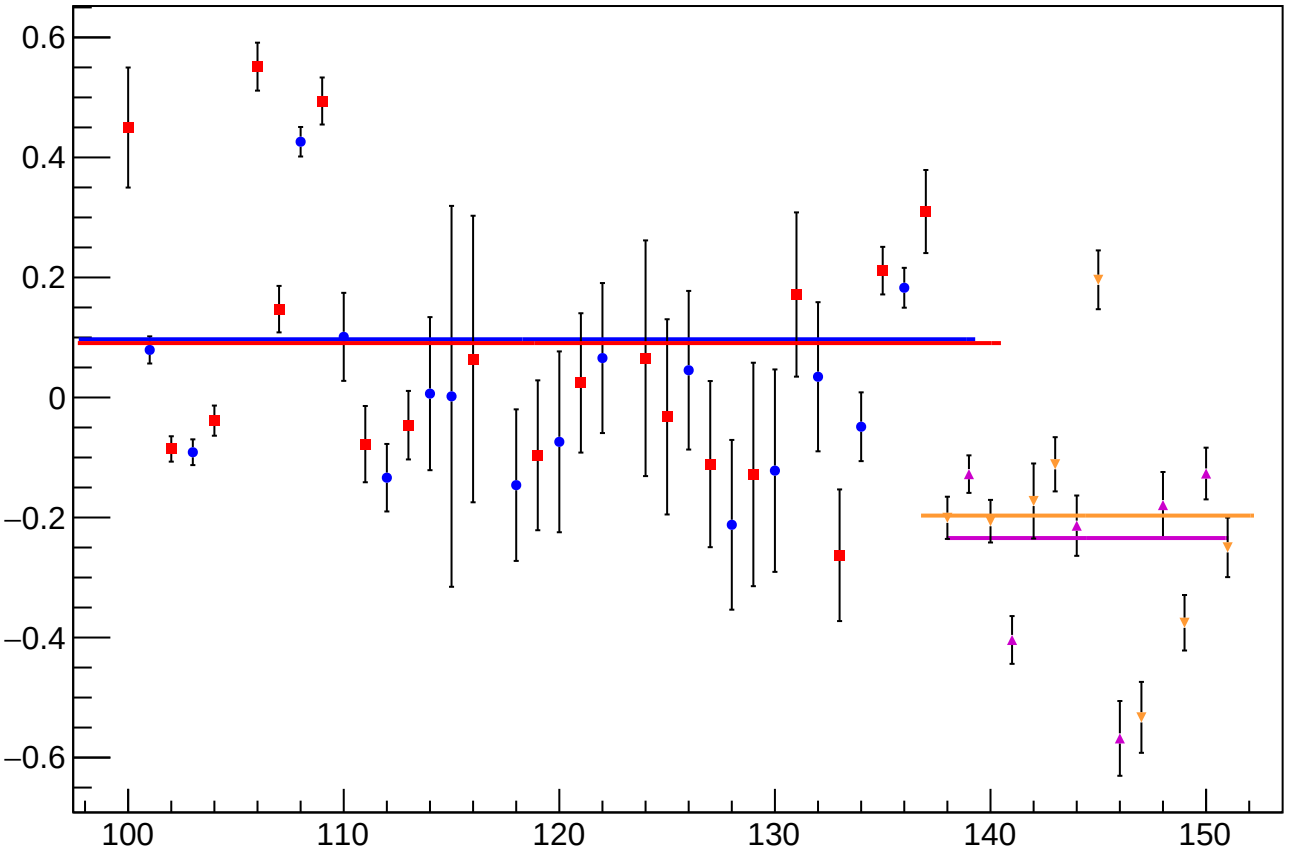
Left: 63.250+/-0.257 χ^2/NDF: 2063.4/13

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 18.437+/-0.219 χ^2/NDF:39576.2/21

Out: 24.870+/-0.207 χ^2/NDF:38771.3/26

All: 21.832+/-0.150 χ^2/NDF: 78803.6/48



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.197+/-0.016 χ^2/NDF:116.5/7

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.234+/-0.018 χ^2/NDF:65.9/5

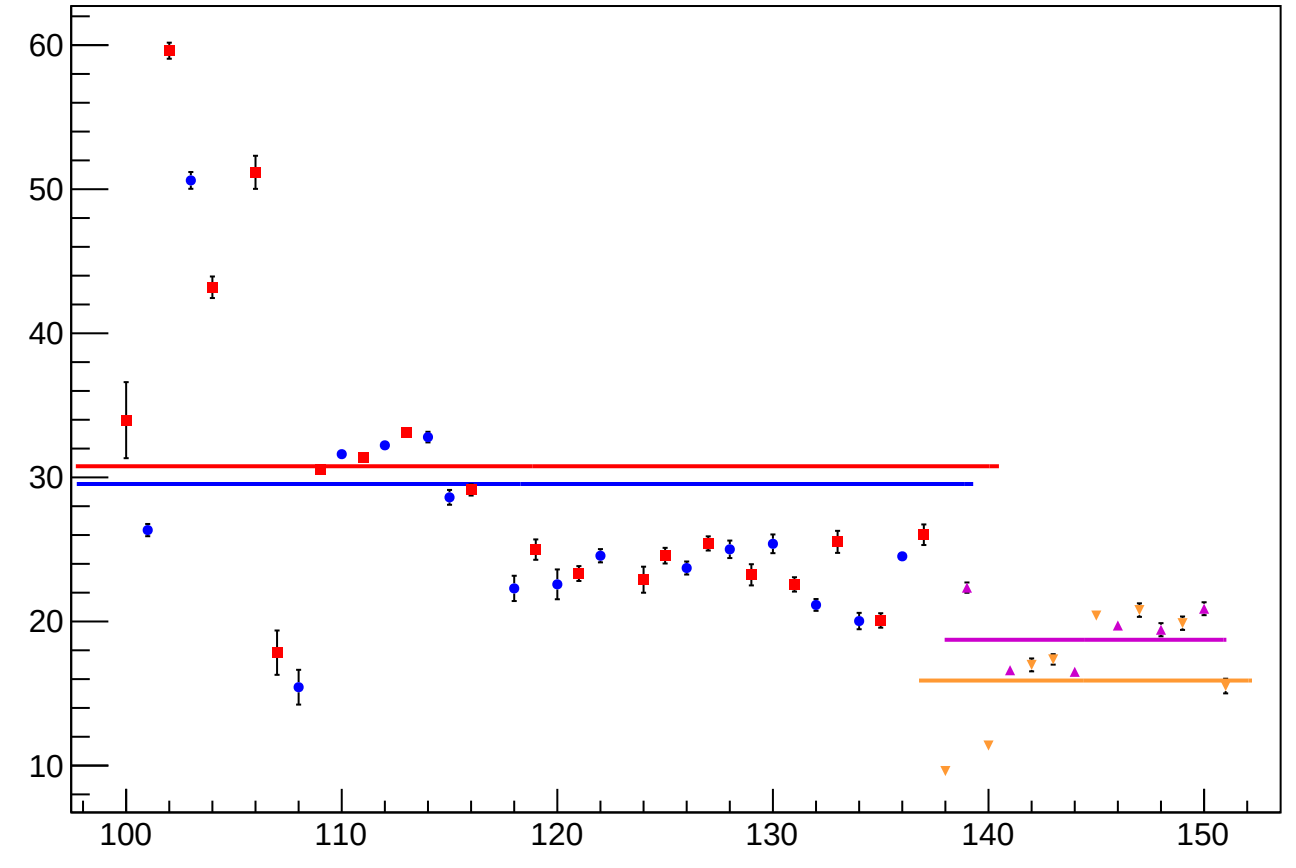
Left: -0.214+/-0.012 χ^2/NDF: 184.9/13

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: 0.002+/-0.009 χ^2/NDF:613.9/21

Out: -0.006+/-0.009 χ^2/NDF:730.8/26

All: -0.002+/-0.007 χ^2/NDF: 1345.1/48



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.902+/-0.128 χ^2/NDF:1108.0/7

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 18.730+/-0.143 χ^2/NDF:246.4/5

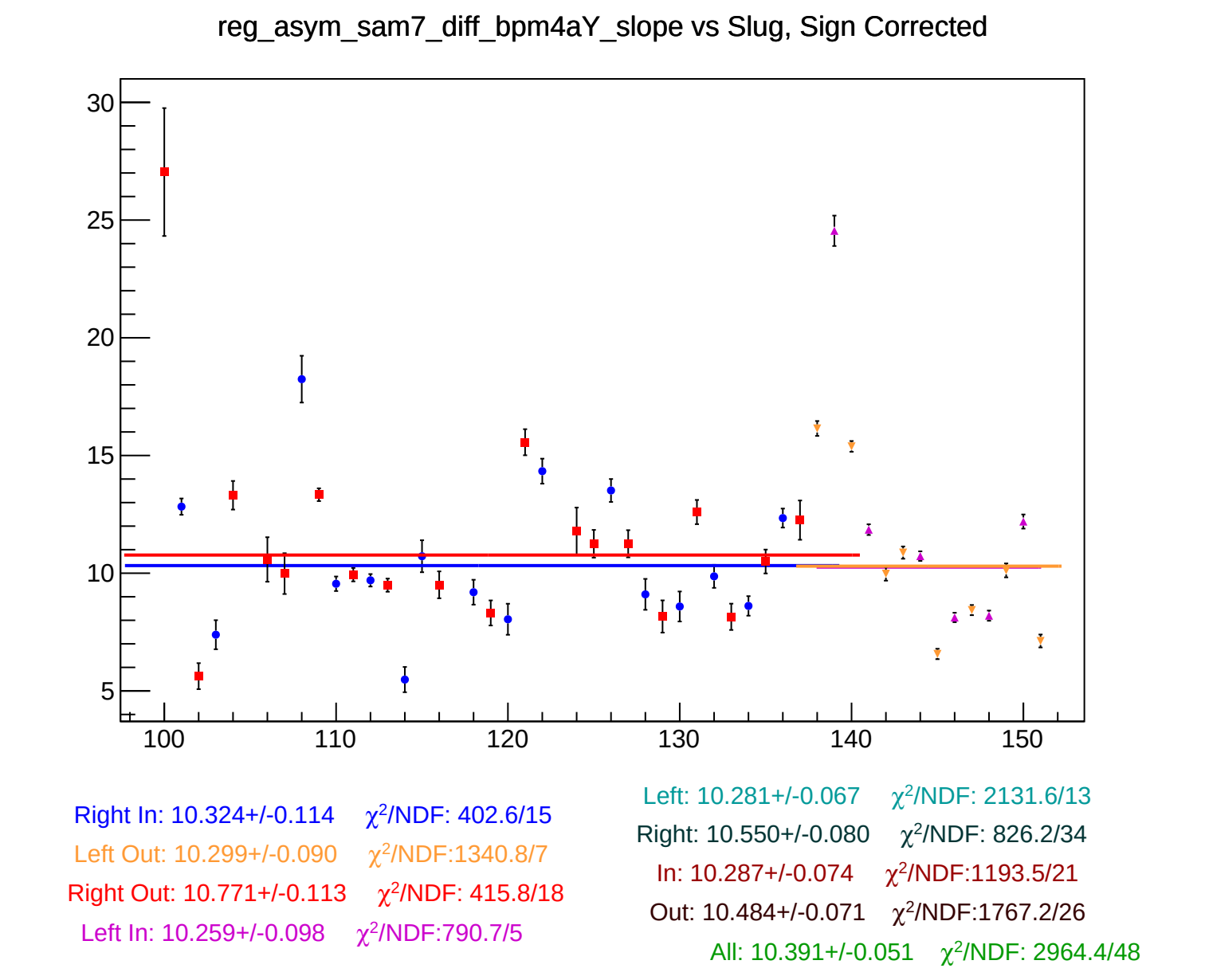
Left: 17.160+/-0.095 χ^2/NDF: 1572.9/13

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 26.366+/-0.077 χ^2/NDF:7678.6/21

Out: 26.568+/-0.068 χ^2/NDF:15924.3/26

All: 26.480+/-0.051 χ^2/NDF: 23606.7/48


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
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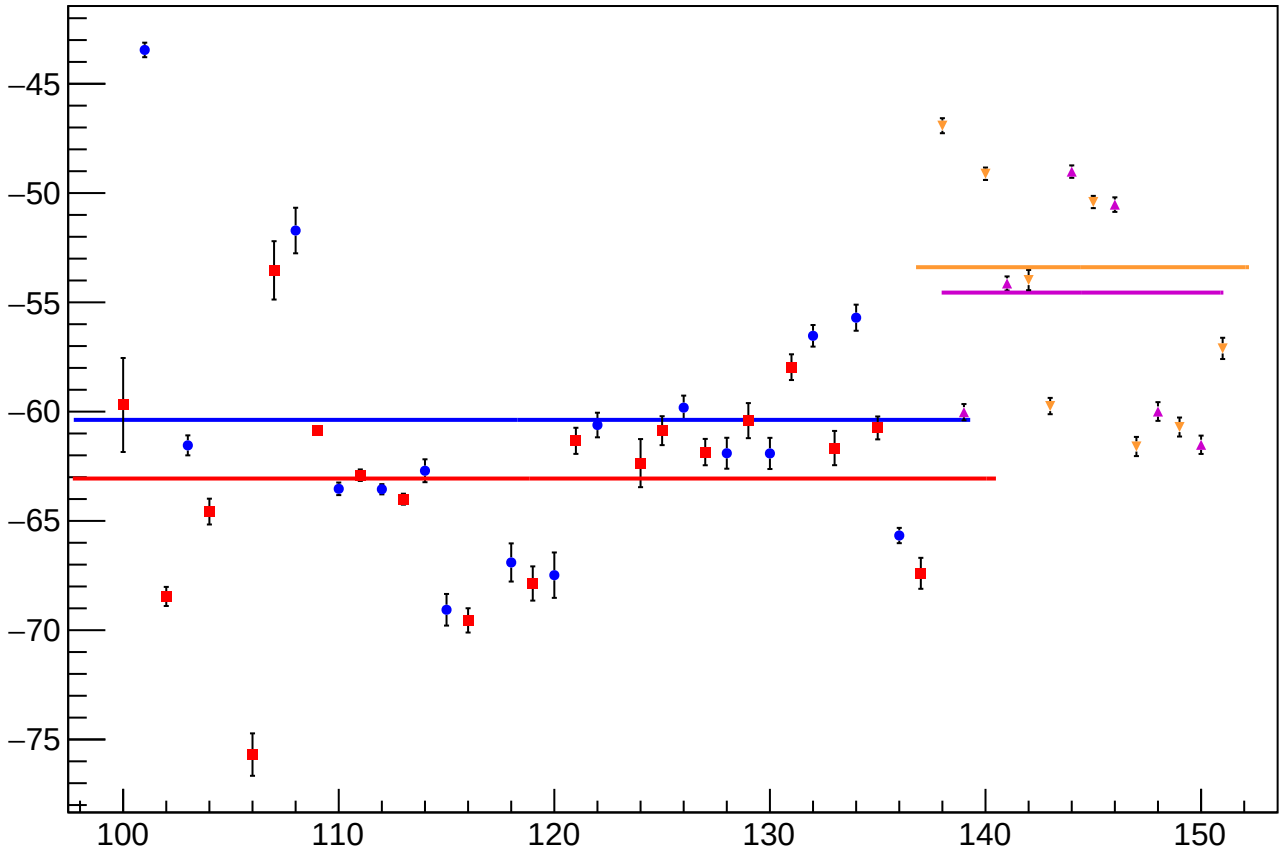
130
140
150
Right In: 10.324+/-0.114 χ2/NDF: 402.6/15
Left Out: 10.299+/-0.090 χ2/NDF:1340.8/7
Right Out: 10.771+/-0.113 χ2/NDF: 415.8/18
Left In: 10.259+/-0.098 χ2/NDF:790.7/5
Left: 10.281+/-0.067 χ2/NDF: 2131.6/13
Right: 10.550+/-0.080 χ2/NDF: 826.2/34
In: 10.287+/-0.074 χ2/NDF:1193.5/21
Out: 10.484+/-0.071 χ2/NDF:1767.2/26
All: 10.391+/-0.051 χ2/NDF: 2964.4/48



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.392+/-0.129 χ^2/NDF:1675.5/7

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -54.554+/-0.142 χ^2/NDF:1179.8/5

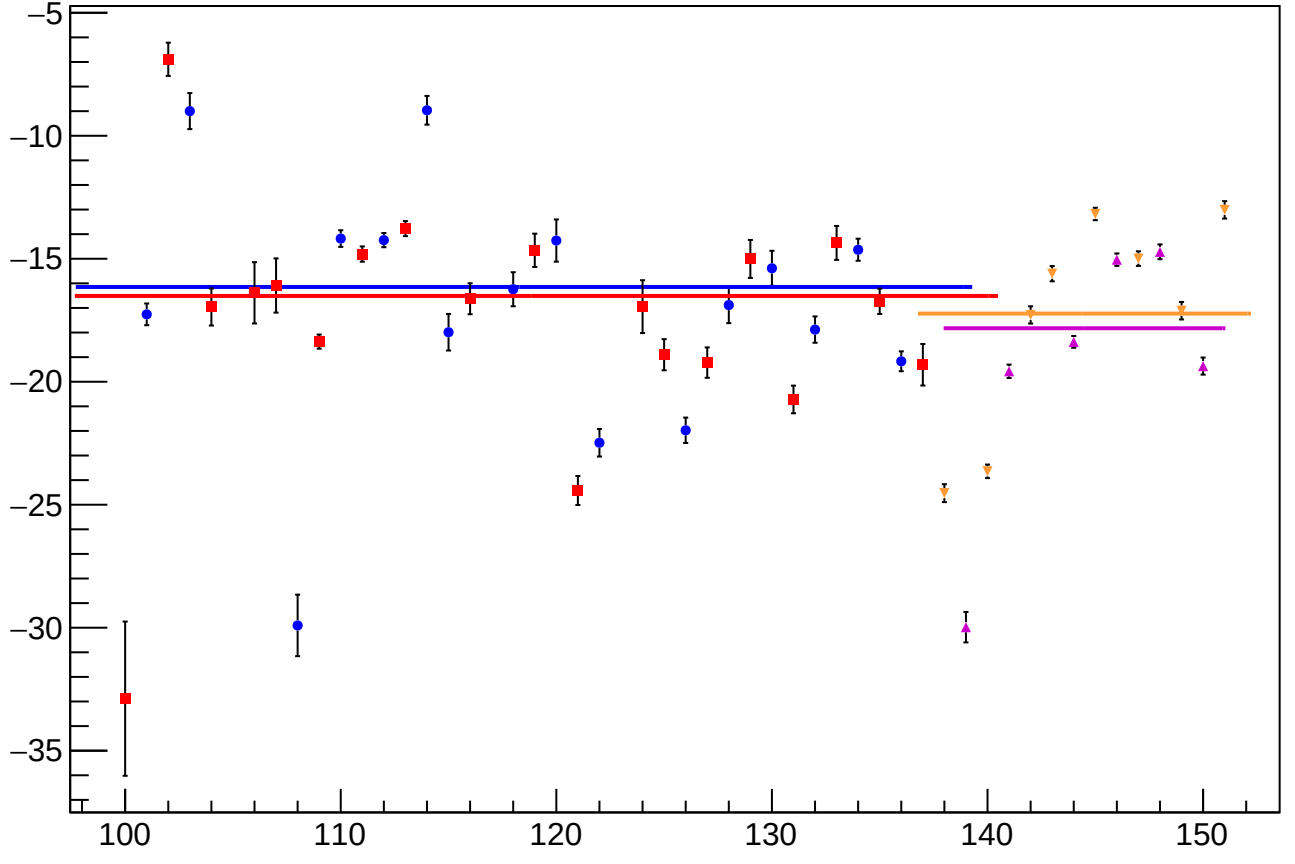
Left: -53.916+/-0.096 χ^2/NDF: 2891.9/13

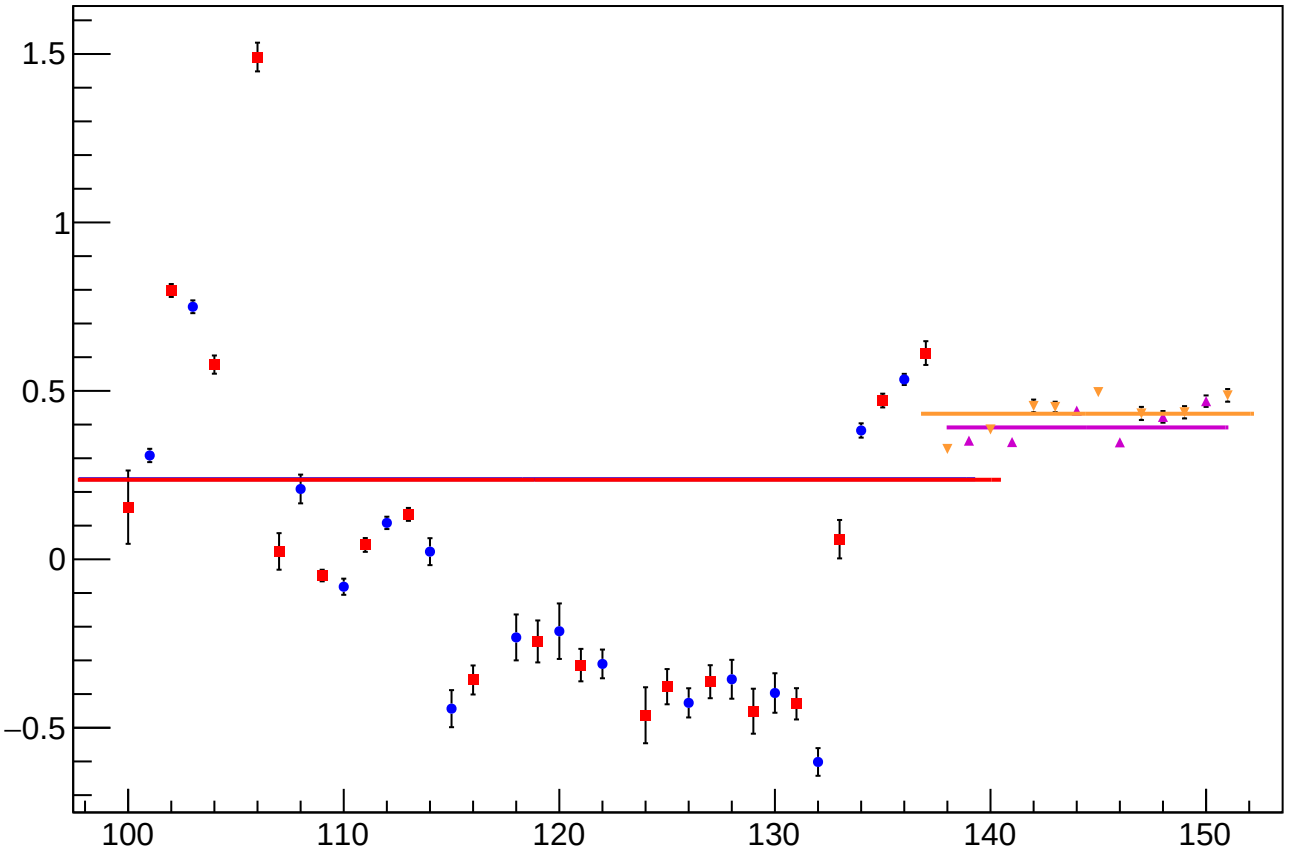
Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -58.125+/-0.088 χ^2/NDF:5804.3/21

Out: -59.109+/-0.082 χ^2/NDF:5841.8/26

All: -58.652+/-0.060 χ^2/NDF: 11712.2/48


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
Right In: -16.147+/-0.127 χ²/NDF: 797.1/15
Left Out: -17.230+/-0.110 χ²/NDF:1428.5/7
Right Out: -16.512+/-0.125 χ²/NDF: 684.7/18
Left In: -17.826+/-0.121 χ²/NDF:679.2/5
Left: -17.501+/-0.081 χ²/NDF: 2121.0/13
Right: -16.333+/-0.089 χ²/NDF: 1486.0/34
In: -17.030+/-0.088 χ²/NDF:1567.9/21
Out: -16.914+/-0.083 χ²/NDF:2131.8/26
All: -16.969+/-0.060 χ²/NDF: 3700.6/48



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.432+/-0.005 χ^2/NDF:115.1/7

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.392+/-0.006 χ^2/NDF:68.8/5

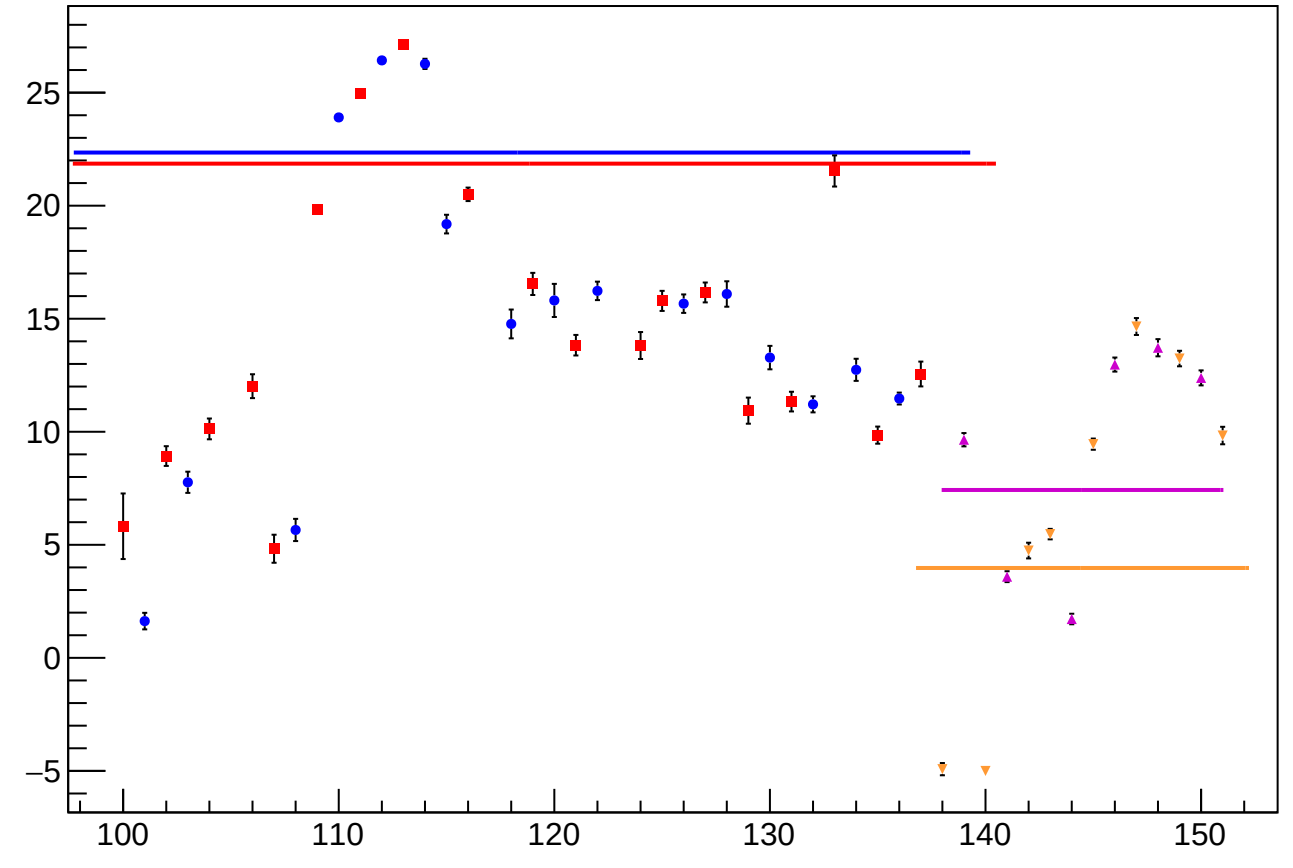
Left: 0.414+/-0.004 χ^2/NDF: 210.3/13

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.329+/-0.005 χ^2/NDF:2983.0/21

Out: 0.361+/-0.004 χ^2/NDF:4196.6/26

All: 0.346+/-0.003 χ^2/NDF: 7206.1/48



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.975+/-0.100 χ^2/NDF:5143.8/7

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 7.425+/-0.117 χ^2/NDF:1723.7/5

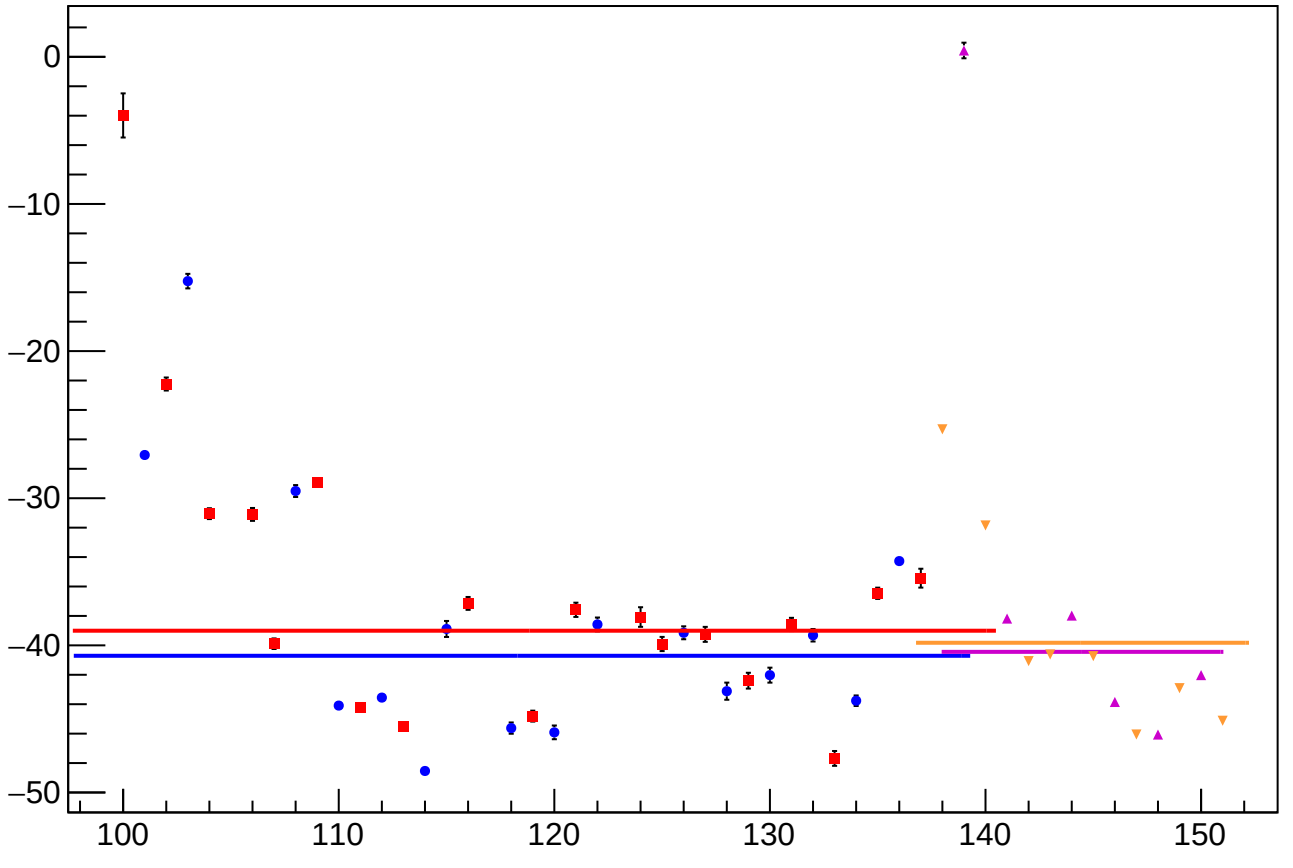
Left: 5.429+/-0.076 χ^2/NDF: 7373.6/13

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 19.511+/-0.051 χ^2/NDF:27310.2/21

Out: 18.680+/-0.042 χ^2/NDF:42371.1/26

All: 19.017+/-0.032 χ^2/NDF: 69839.7/48



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.824+/-0.070 χ^2/NDF:7308.5/7

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -40.442+/-0.082 χ^2/NDF:7650.1/5

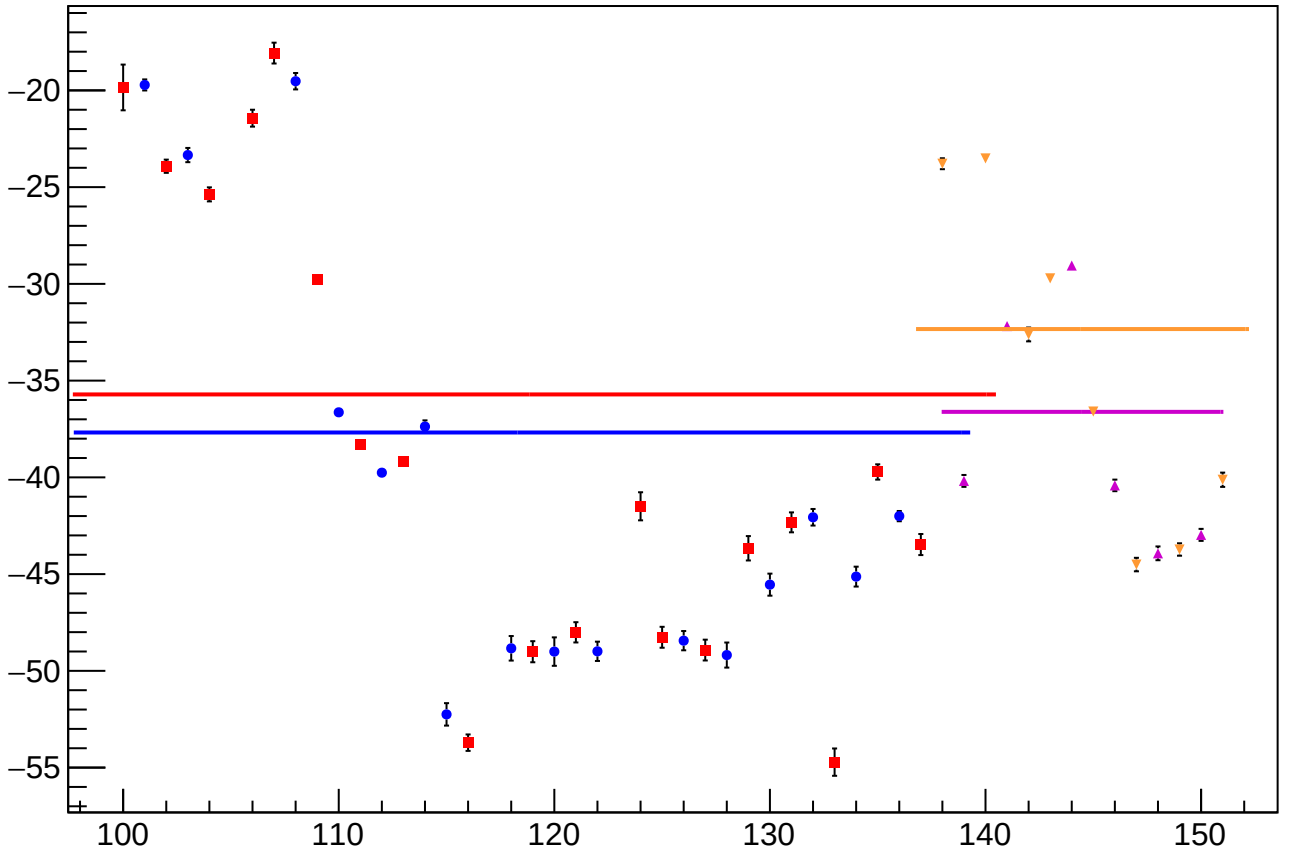
Left: -40.086+/-0.053 χ^2/NDF: 14991.4/13

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.584+/-0.056 χ^2/NDF:15436.2/21

Out: -39.419+/-0.050 χ^2/NDF:17477.0/26

All: -39.937+/-0.037 χ^2/NDF: 33155.0/48


reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
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−55
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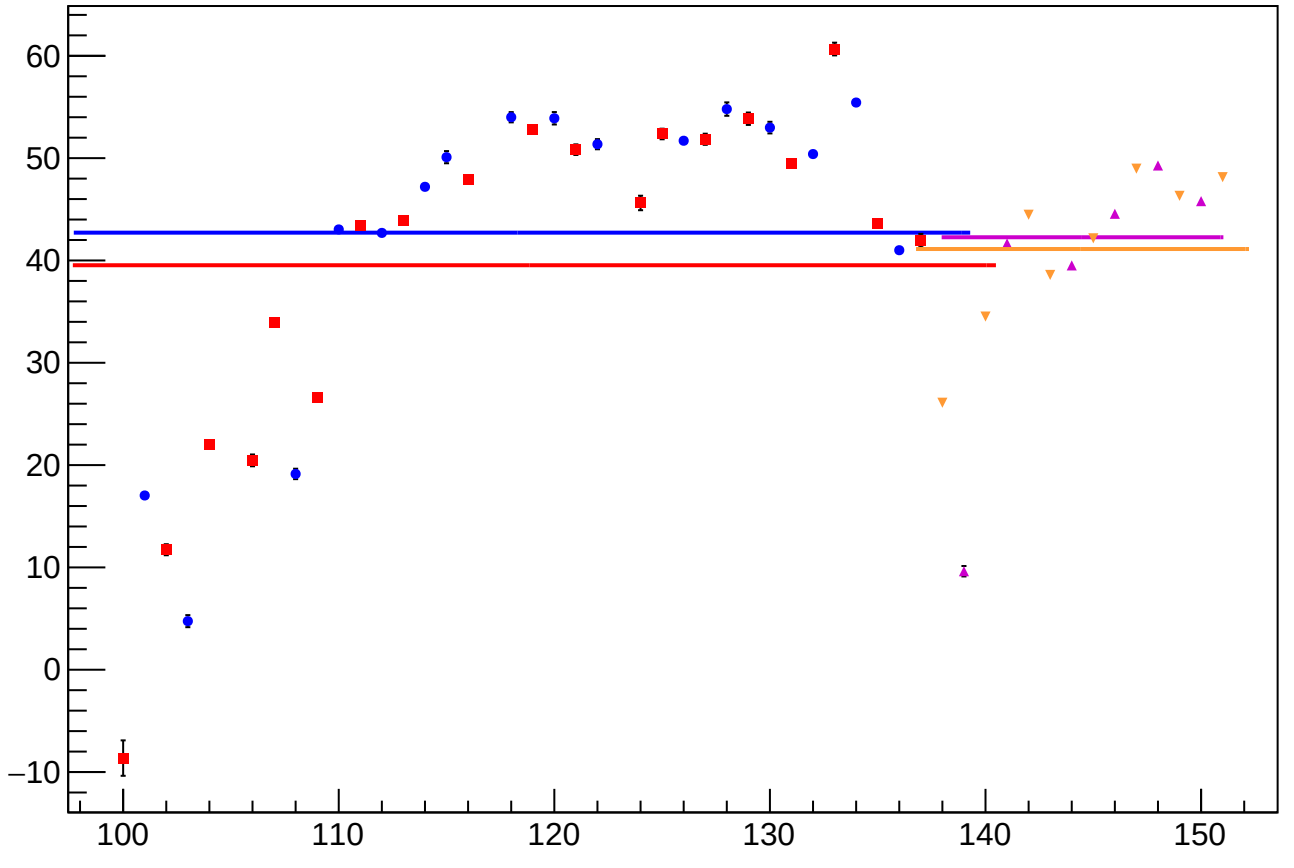
140
150
Right In: -37.681+/-0.074 χ²/NDF: 10853.9/15
Left Out: -32.335+/-0.100 χ²/NDF:5839.3/7
Right Out: -35.714+/-0.064 χ²/NDF: 13274.5/18
Left In: -36.614+/-0.116 χ²/NDF:2451.7/5
Left: -34.161+/-0.076 χ²/NDF: 9065.5/13
Right: -36.564+/-0.048 χ²/NDF: 24532.6/34
In: -37.375+/-0.062 χ²/NDF:13365.6/21
Out: -34.731+/-0.054 χ²/NDF:19916.2/26
All: -35.870+/-0.041 χ²/NDF: 34307.8/48



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.119+/-0.086 χ^2/NDF:5949.2/7

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 42.268+/-0.100 χ^2/NDF:5374.0/5

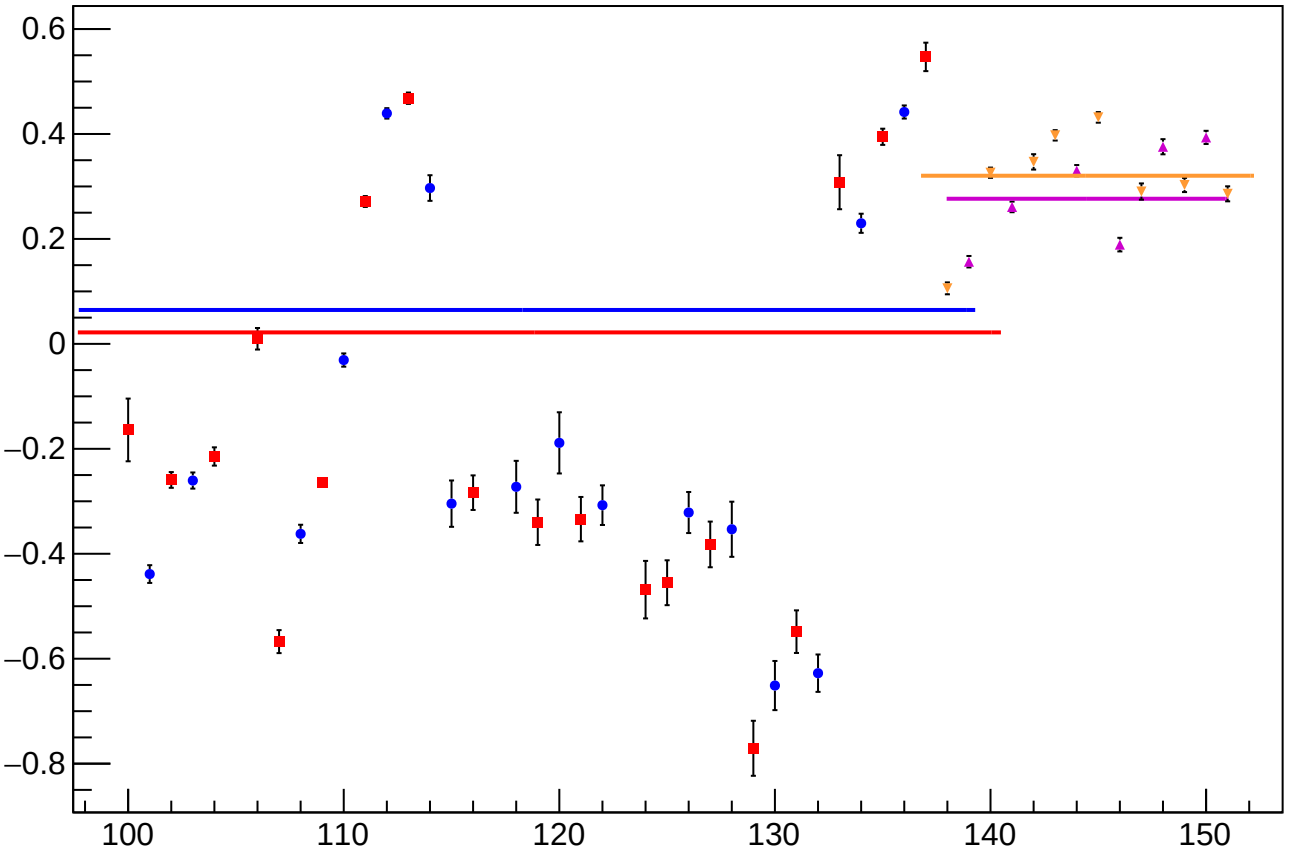
Left: 41.608+/-0.065 χ^2/NDF: 11399.8/13

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.528+/-0.065 χ^2/NDF:20150.8/21

Out: 40.254+/-0.058 χ^2/NDF:24114.4/26

All: 41.263+/-0.043 χ^2/NDF: 44953.4/48



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.320+/-0.004 χ^2/NDF:552.2/7

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.277+/-0.005 χ^2/NDF:326.5/5

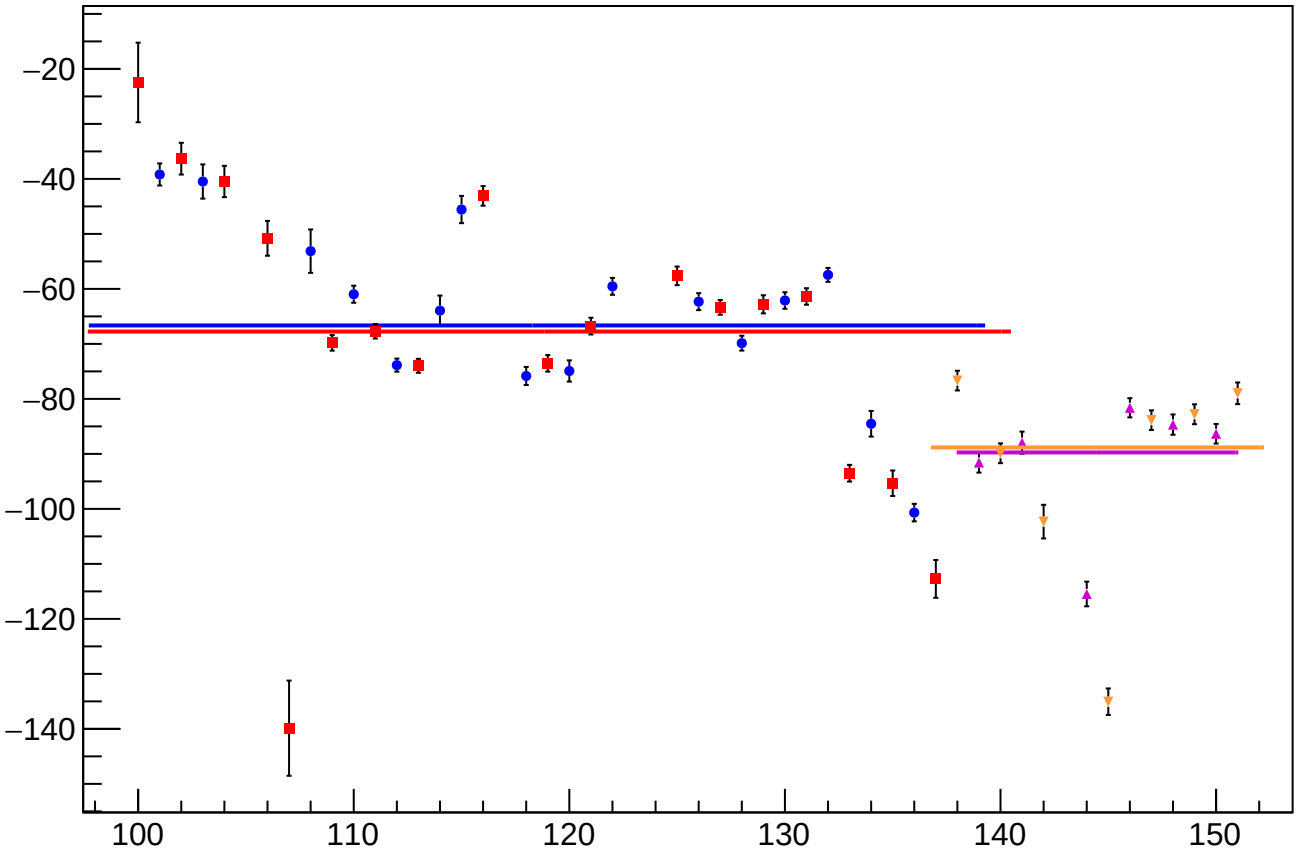
Left: 0.301+/-0.003 χ^2/NDF: 926.6/13

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.172+/-0.003 χ^2/NDF:6796.0/21

Out: 0.178+/-0.003 χ^2/NDF:9387.5/26

All: 0.176+/-0.002 χ^2/NDF: 16185.4/48



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -88.830+/-0.750 χ^2/NDF:477.3/6

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -89.738+/-0.772 χ^2/NDF:166.1/5

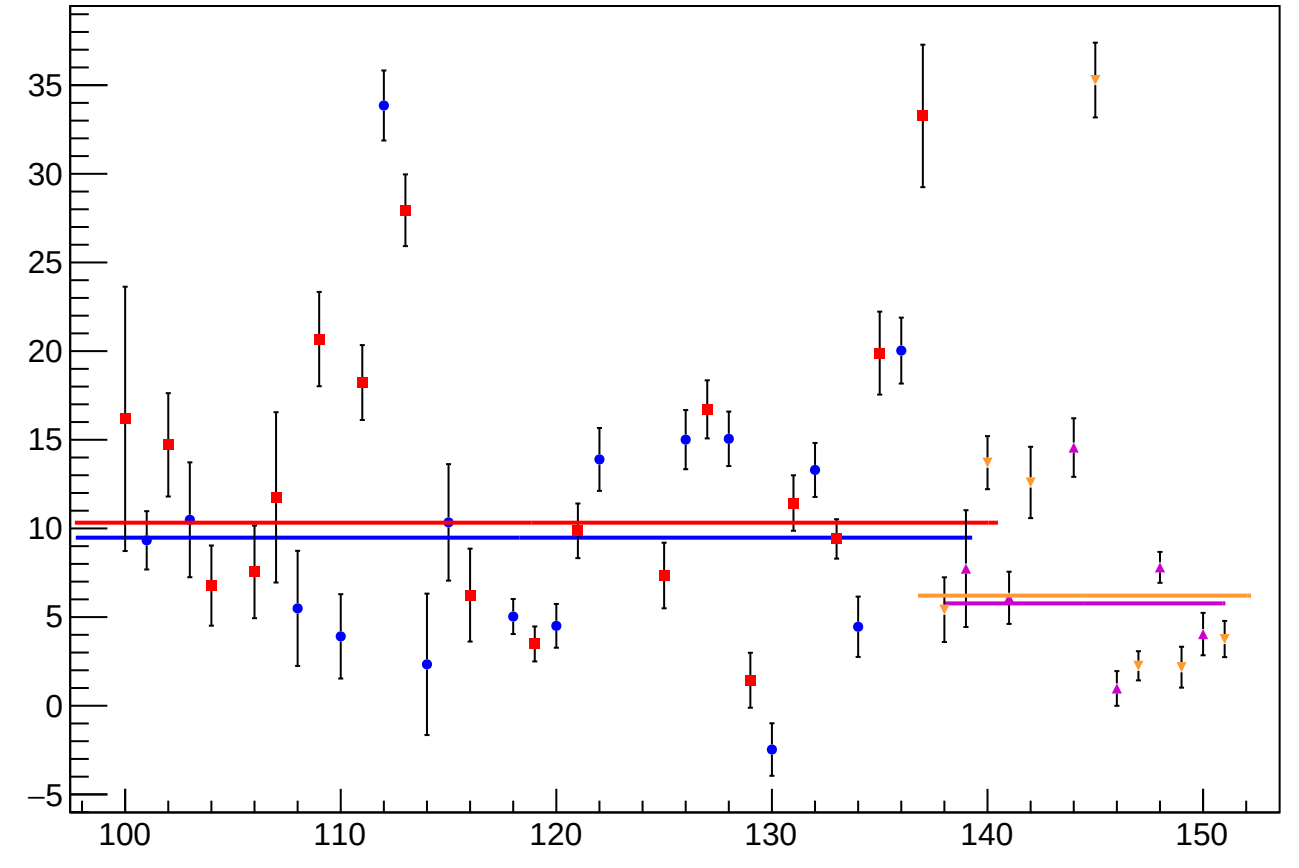
Left: -89.271+/-0.538 χ^2/NDF: 644.2/12

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -72.038+/-0.373 χ^2/NDF:1904.0/21

Out: -72.773+/-0.366 χ^2/NDF:2333.8/24

All: -72.412+/-0.261 χ^2/NDF: 4239.7/46



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 6.210+/-0.476 χ^2/NDF:266.8/6

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 5.772+/-0.501 χ^2/NDF:60.3/5

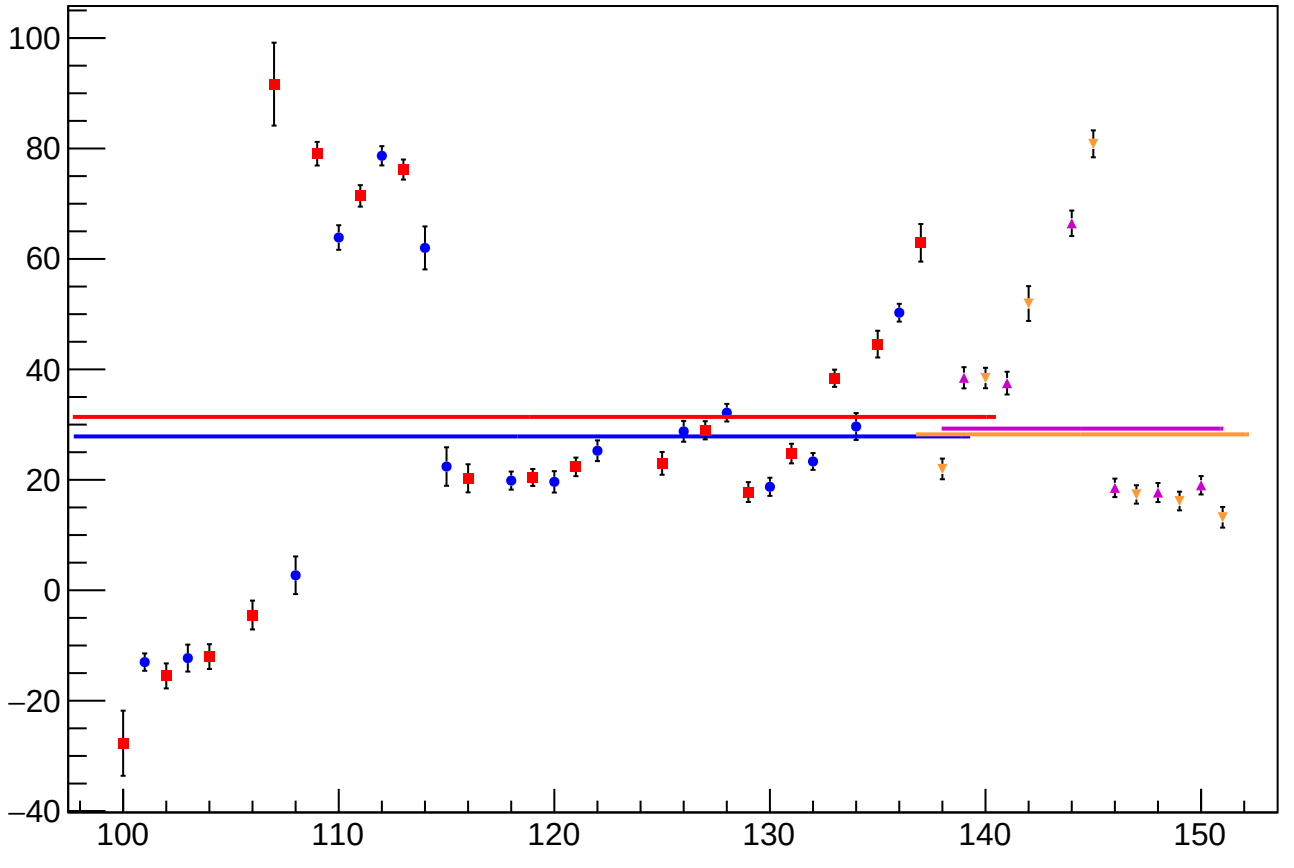
Left: 6.002+/-0.345 χ^2/NDF: 327.5/12

Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 7.916+/-0.326 χ^2/NDF:433.9/21

Out: 8.450+/-0.321 χ^2/NDF:570.8/24

All: 8.186+/-0.229 χ^2/NDF: 1006.0/46



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 28.234+/-0.737 χ^2/NDF:720.9/6

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 29.272+/-0.757 χ^2/NDF:422.2/5

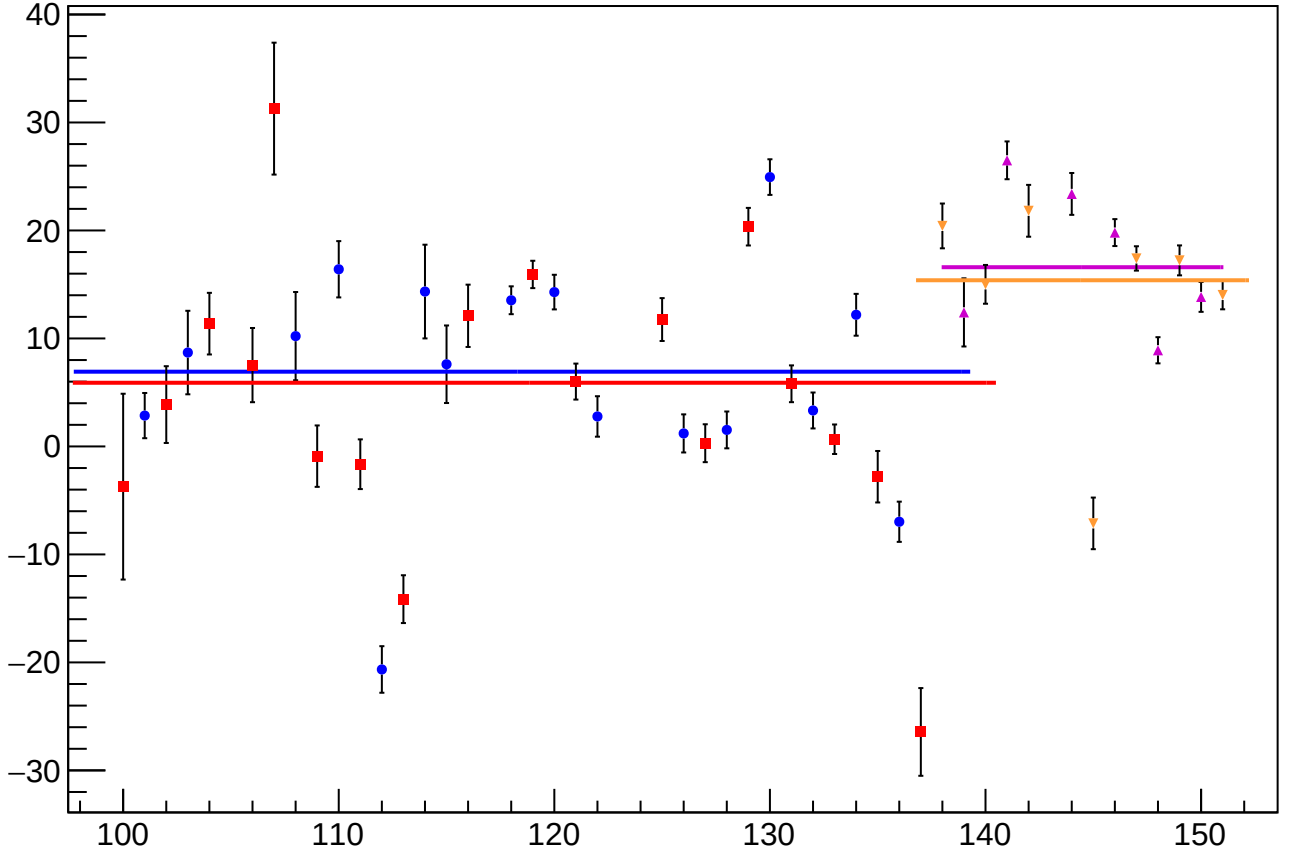
Left: 28.739+/-0.528 χ^2/NDF: 1144.1/12

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 28.268+/-0.407 χ^2/NDF:2898.7/21

Out: 30.432+/-0.407 χ^2/NDF:3745.1/24

All: 29.350+/-0.288 χ^2/NDF: 6657.9/46



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 15.388+/-0.601 χ^2/NDF:107.9/6

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 16.597+/-0.627 χ^2/NDF:96.8/5

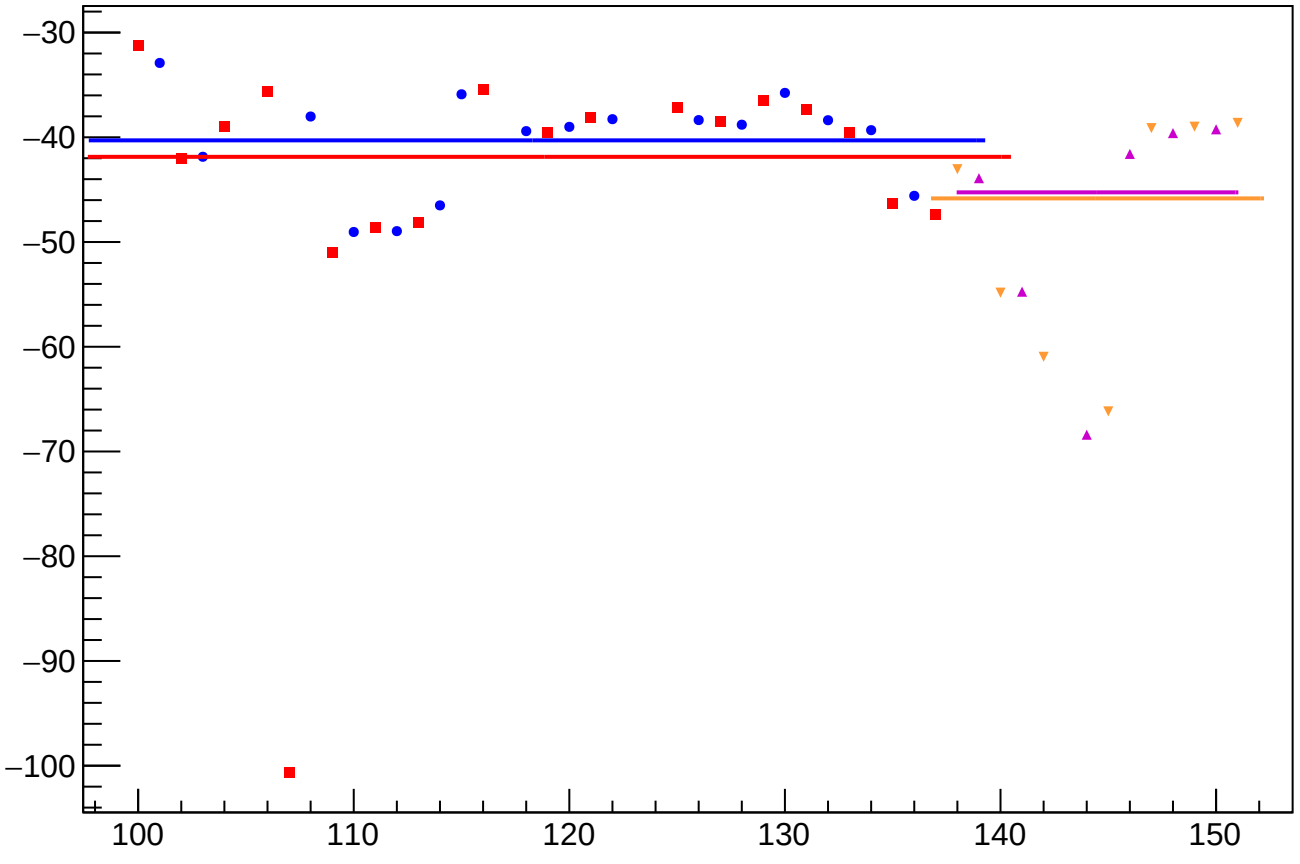
Left: 15.967+/-0.434 χ^2/NDF: 206.7/12

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 10.639+/-0.389 χ^2/NDF:687.6/21

Out: 9.793+/-0.385 χ^2/NDF:622.5/24

All: 10.212+/-0.274 χ^2/NDF: 1312.5/46


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
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−60
−70
−80
−90
−100
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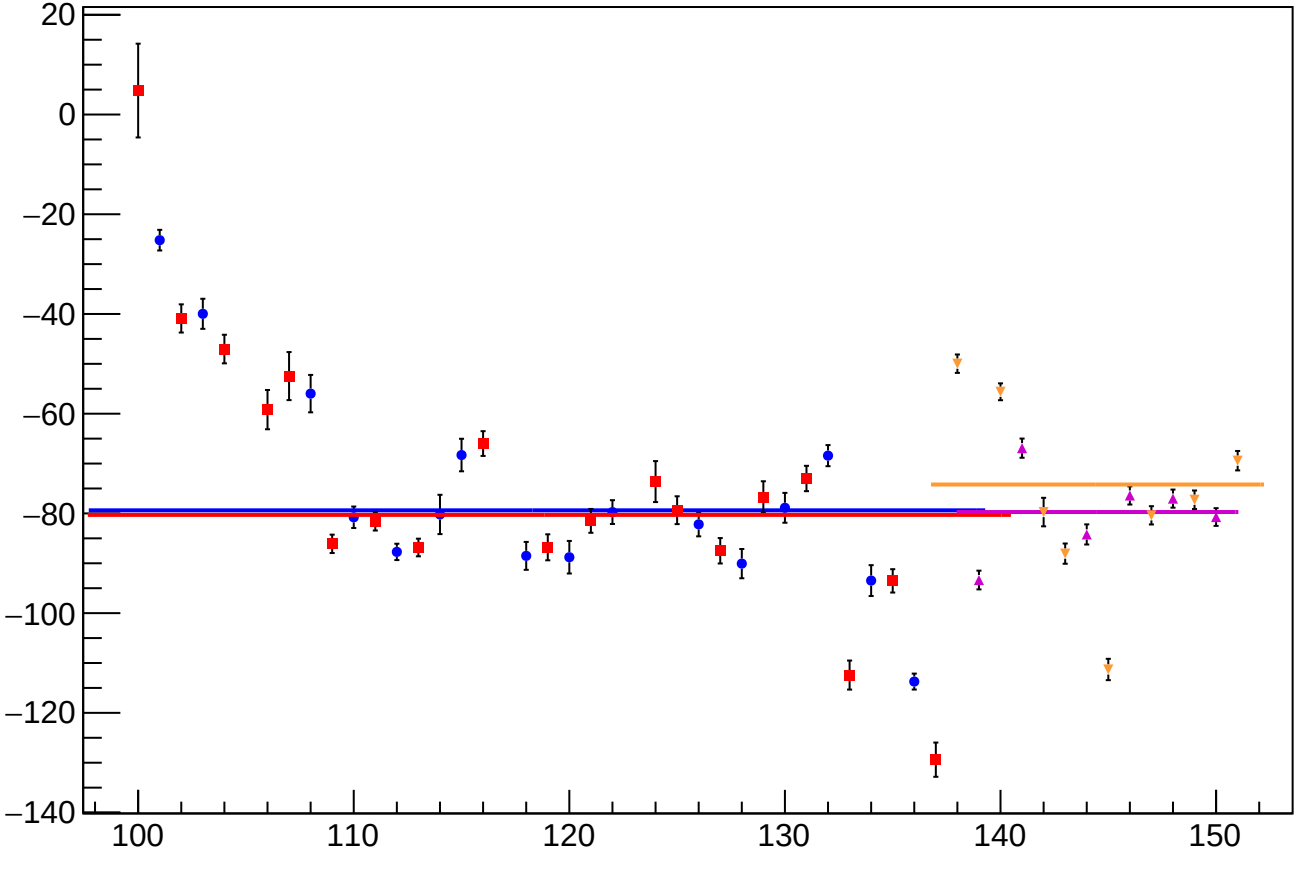
140
150
Right In: -40.293+/-0.031 χ²/NDF: 20663.5/15
Left Out: -45.835+/-0.031 χ²/NDF:98766.2/6
Right Out: -41.867+/-0.032 χ²/NDF: 58734.8/17
Left In: -45.258+/-0.031 χ²/NDF:79837.6/5
Left: -45.546+/-0.022 χ²/NDF: 178781.4/12
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -42.837+/-0.022 χ²/NDF:113309.7/21
Out: -43.941+/-0.022 χ²/NDF:165484.3/24
All: -43.382+/-0.016 χ²/NDF: 280046.7/46



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -74.204+/-0.694 χ^2/NDF:664.0/7

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -79.721+/-0.762 χ^2/NDF:107.8/5

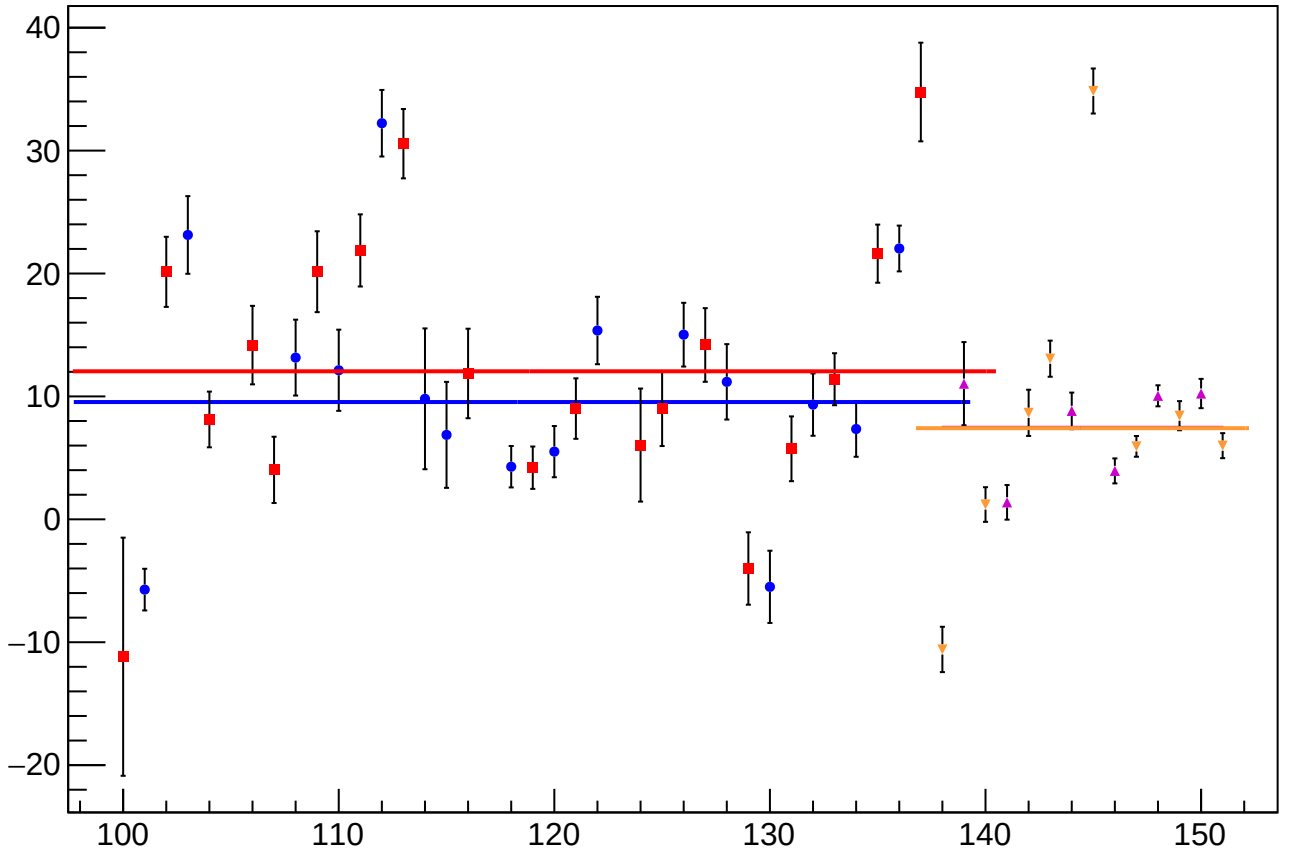
Left: -76.706+/-0.513 χ^2/NDF: 800.4/13

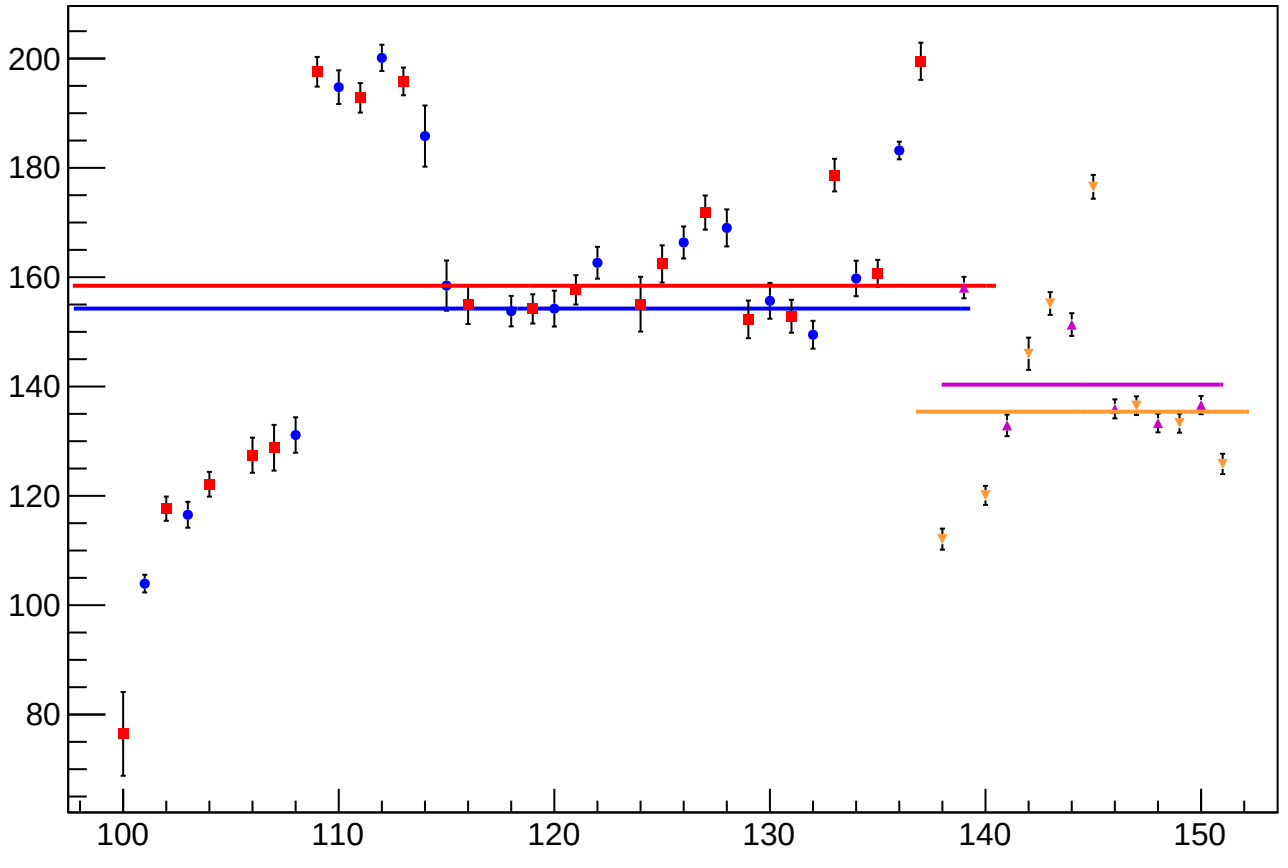
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -79.515+/-0.477 χ^2/NDF:1583.8/21

Out: -77.670+/-0.456 χ^2/NDF:1622.5/26

All: -78.551+/-0.329 χ^2/NDF: 3214.1/48


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 7.415+/-0.451 χ²/NDF:359.9/7
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 7.446+/-0.495 χ²/NDF:47.2/5
Left: 7.429+/-0.333 χ²/NDF: 407.1/13
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 8.260+/-0.387 χ²/NDF:321.2/21
Out: 8.960+/-0.368 χ²/NDF:590.9/26
All: 8.628+/-0.267 χ²/NDF: 913.8/48



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 135.400+/-0.687 χ^2/NDF:711.9/7

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 140.345+/-0.748 χ^2/NDF:153.0/5

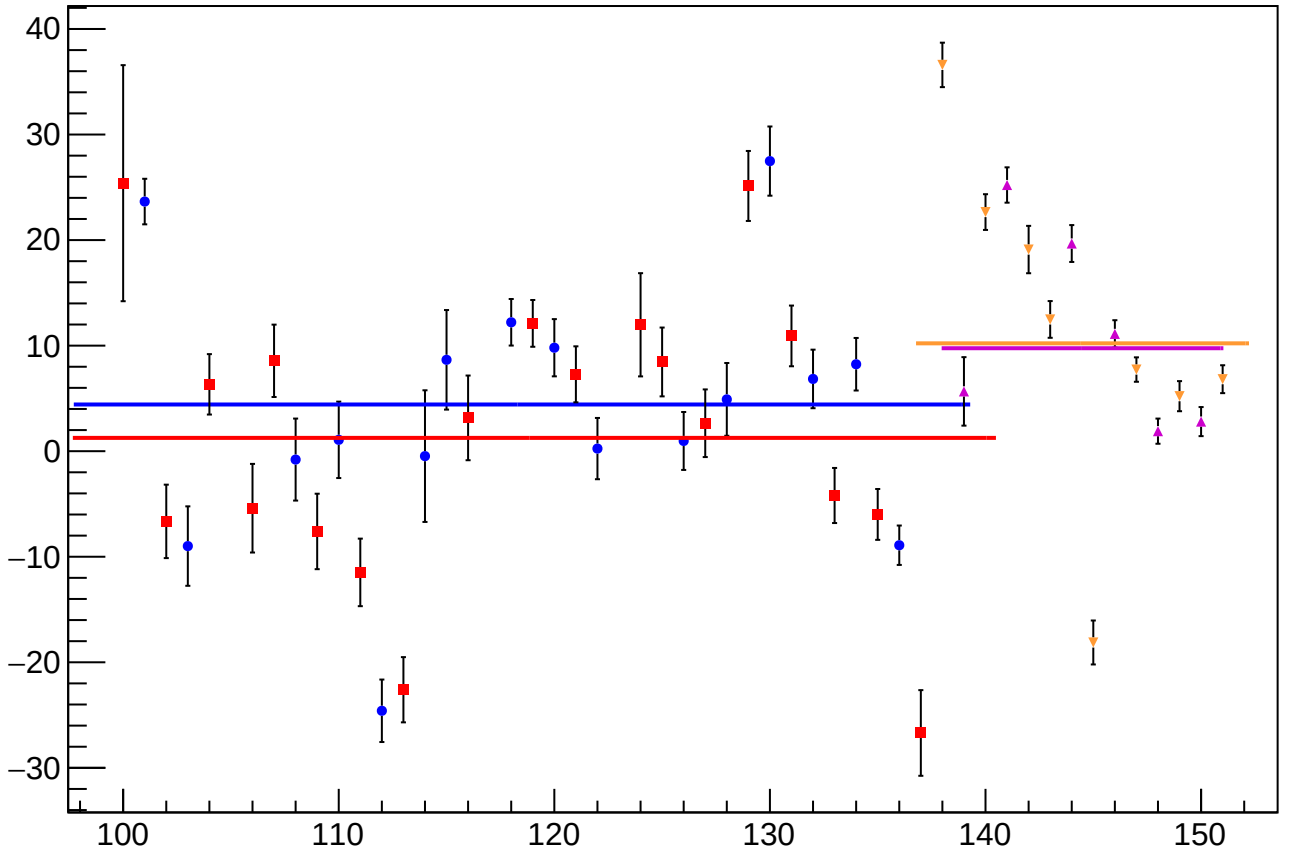
Left: 137.665+/-0.506 χ^2/NDF: 888.6/13

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 148.148+/-0.496 χ^2/NDF:2560.9/21

Out: 146.995+/-0.484 χ^2/NDF:2941.7/26

All: 147.559+/-0.346 χ^2/NDF: 5505.3/48



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 10.217+/-0.564 χ^2/NDF:437.0/7

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 9.754+/-0.619 χ^2/NDF:189.2/5

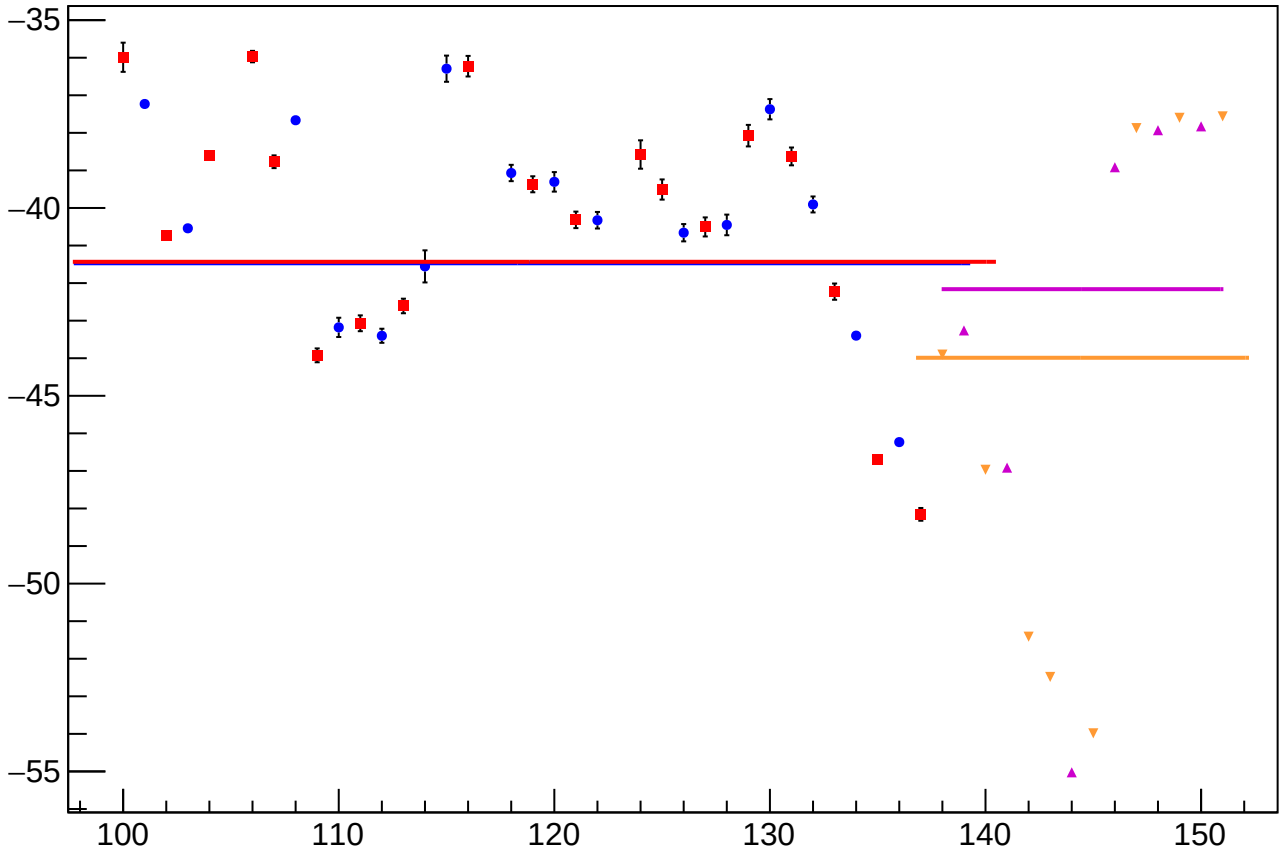
Left: 10.007+/-0.417 χ^2/NDF: 626.5/13

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 7.465+/-0.468 χ^2/NDF:537.1/21

Out: 6.880+/-0.447 χ^2/NDF:795.9/26

All: 7.159+/-0.323 χ^2/NDF: 1333.8/48



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -43.988+/-0.029 χ^2/NDF:50157.3/7

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -42.161+/-0.030 χ^2/NDF:32596.2/5

Left: -43.128+/-0.021 χ^2/NDF: 84668.0/13

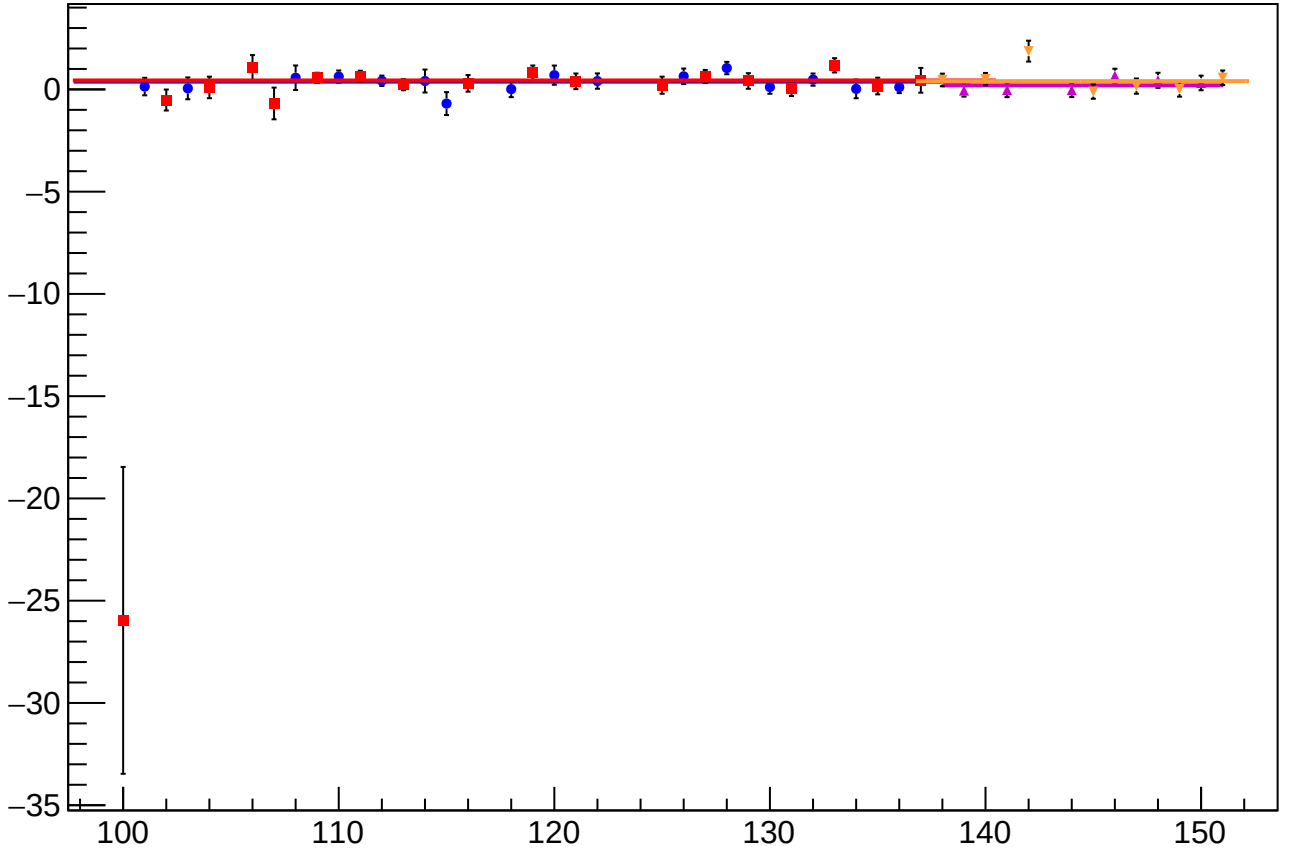
Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -41.894+/-0.024 χ^2/NDF:40708.5/21

Out: -43.108+/-0.023 χ^2/NDF:61123.4/26

All: -42.515+/-0.017 χ^2/NDF: 103169.5/48

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.403+/-0.134 χ^2/NDF:12.2/6

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.199+/-0.139 χ^2/NDF:4.1/5

Left: 0.304+/-0.096 χ^2/NDF: 17.4/12

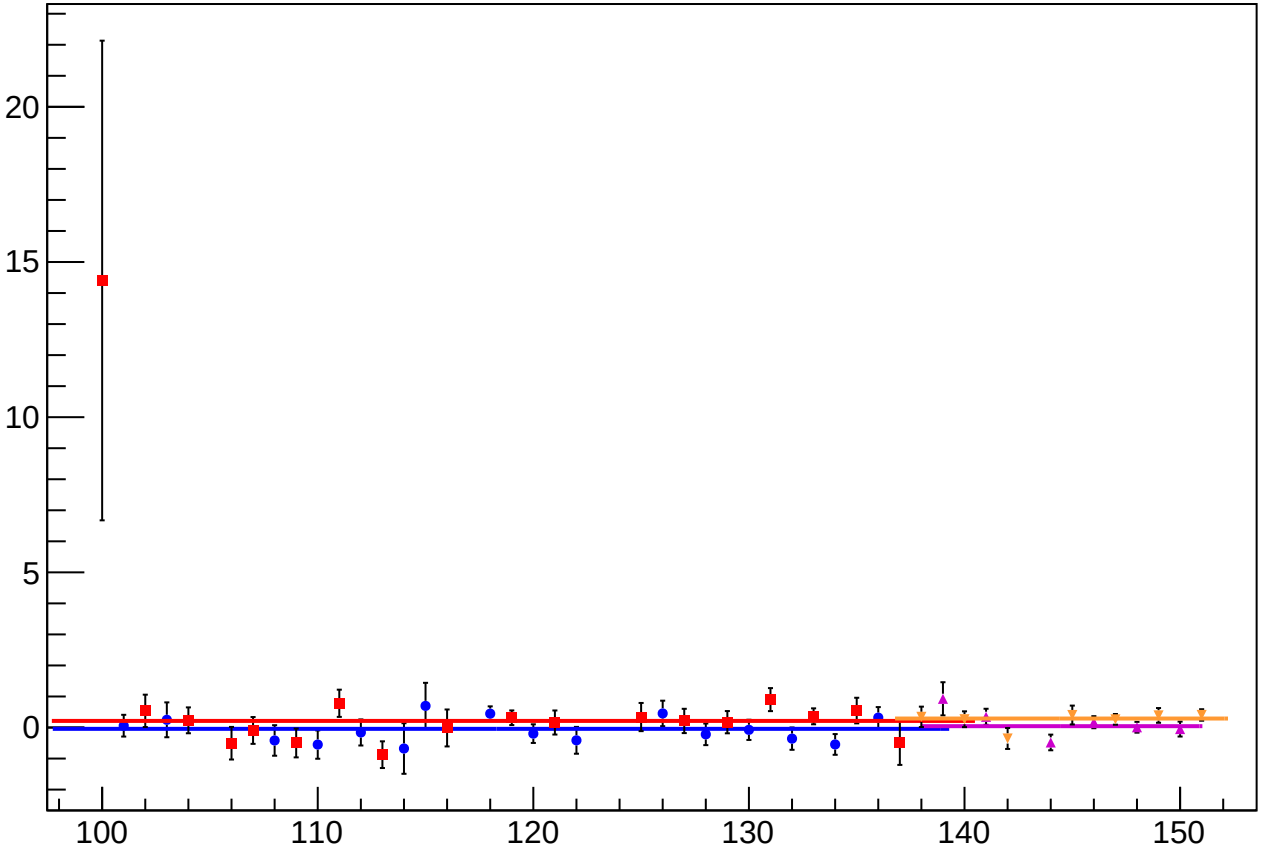
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.326+/-0.077 χ^2/NDF:19.3/21

Out: 0.426+/-0.075 χ^2/NDF:41.2/24

All: 0.377+/-0.054 χ^2/NDF: 61.4/46

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.290+/-0.089 χ^2/NDF:4.4/6

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.043+/-0.095 χ^2/NDF:9.0/5

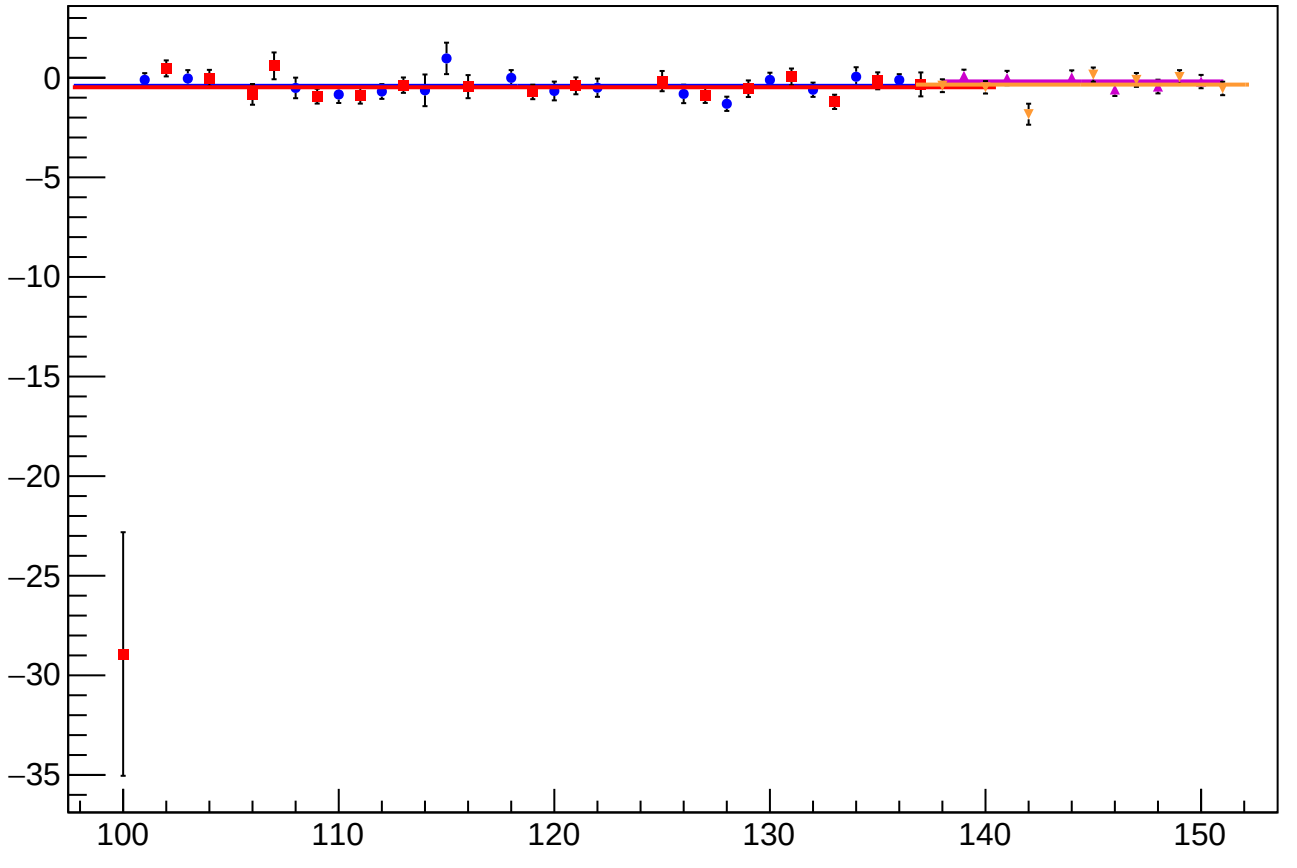
Left: 0.174+/-0.065 χ^2/NDF: 17.0/12

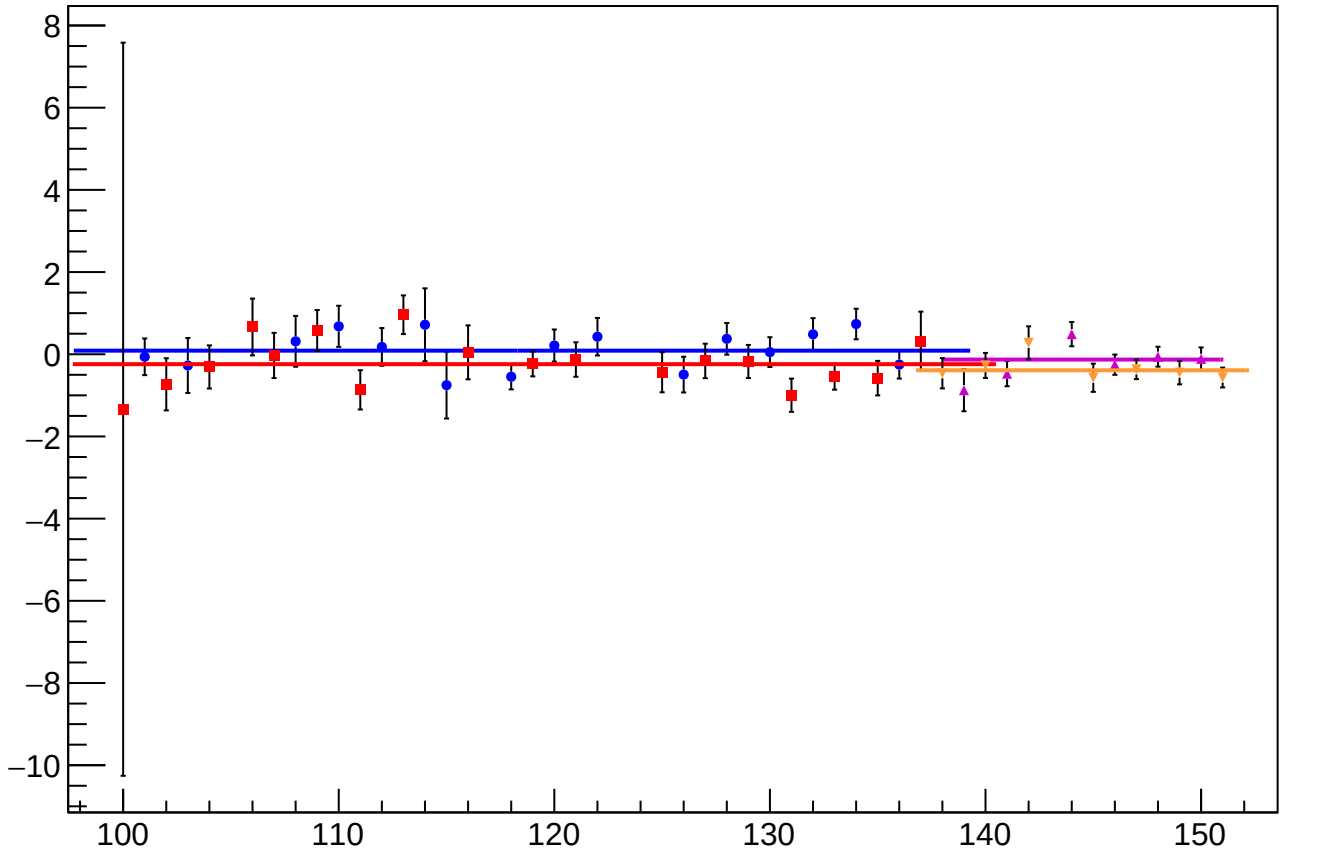
Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

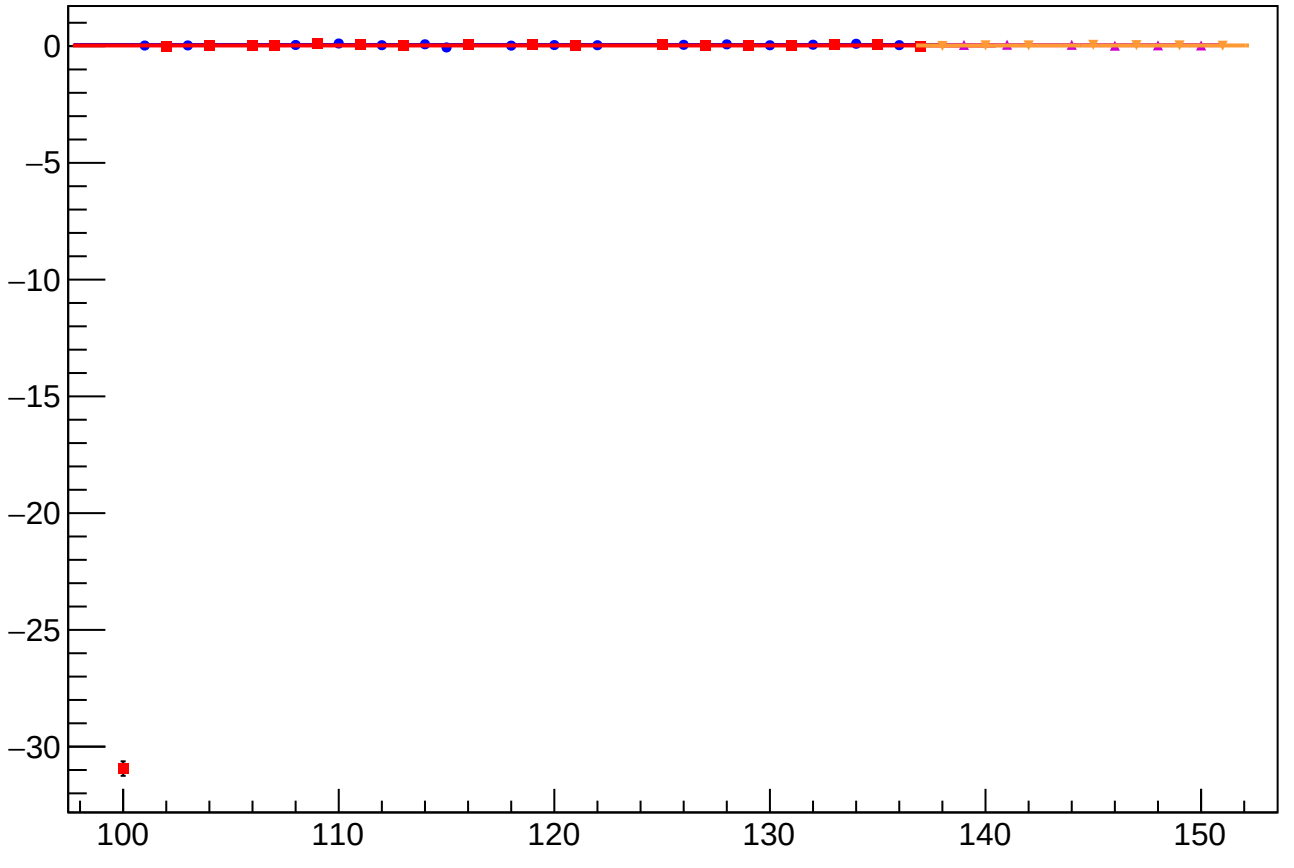
In: 0.000+/-0.067 χ^2/NDF:24.5/21

Out: 0.254+/-0.065 χ^2/NDF:27.2/24

All: 0.130+/-0.047 χ^2/NDF: 59.0/46


reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
Right In: -0.406+/-0.103 χ²/NDF: 17.8/15
Left Out: -0.344+/-0.133 χ²/NDF:12.1/6
Right Out: -0.478+/-0.104 χ²/NDF: 42.3/17
Left In: -0.185+/-0.137 χ²/NDF:3.5/5
Left: -0.267+/-0.096 χ²/NDF: 16.3/12
Right: -0.441+/-0.073 χ²/NDF: 60.3/33
In: -0.326+/-0.082 χ²/NDF:22.9/21
Out: -0.427+/-0.082 χ²/NDF:55.0/24
All: -0.377+/-0.058 χ²/NDF: 78.6/46


reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
−10
100
110
120
130
140
150
Right In: 0.088+/-0.108 χ²/NDF: 15.9/15
Left Out: -0.390+/-0.112 χ²/NDF:3.8/6
Right Out: -0.241+/-0.110 χ²/NDF: 19.6/17
Left In: -0.129+/-0.118 χ²/NDF:8.1/5
Left: -0.266+/-0.081 χ²/NDF: 14.5/12
Right: -0.075+/-0.077 χ²/NDF: 40.0/33
In: -0.012+/-0.080 χ²/NDF:25.8/21
Out: -0.314+/-0.078 χ²/NDF:24.3/24
All: -0.166+/-0.056 χ²/NDF: 57.5/46



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.005 χ^2/NDF:7.7/6

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.042+/-0.006 χ^2/NDF:7.4/5

Left: 0.035+/-0.004 χ^2/NDF: 18.4/12

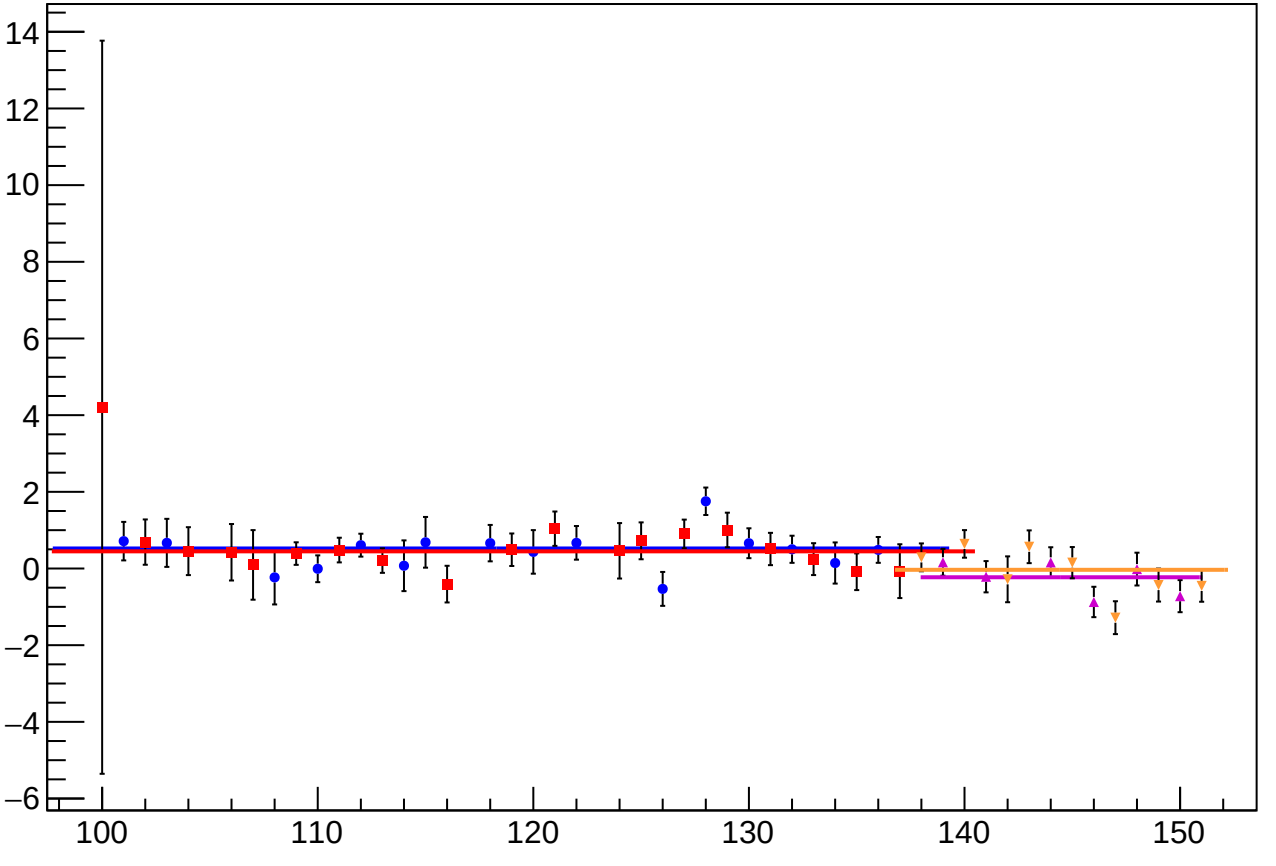
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.045+/-0.004 χ^2/NDF:27.1/21

Out: 0.028+/-0.004 χ^2/NDF:10028.6/24

All: 0.036+/-0.003 χ^2/NDF: 10064.3/46

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.034+/-0.147 χ^2/NDF:17.1/7

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.228+/-0.162 χ^2/NDF:6.5/5

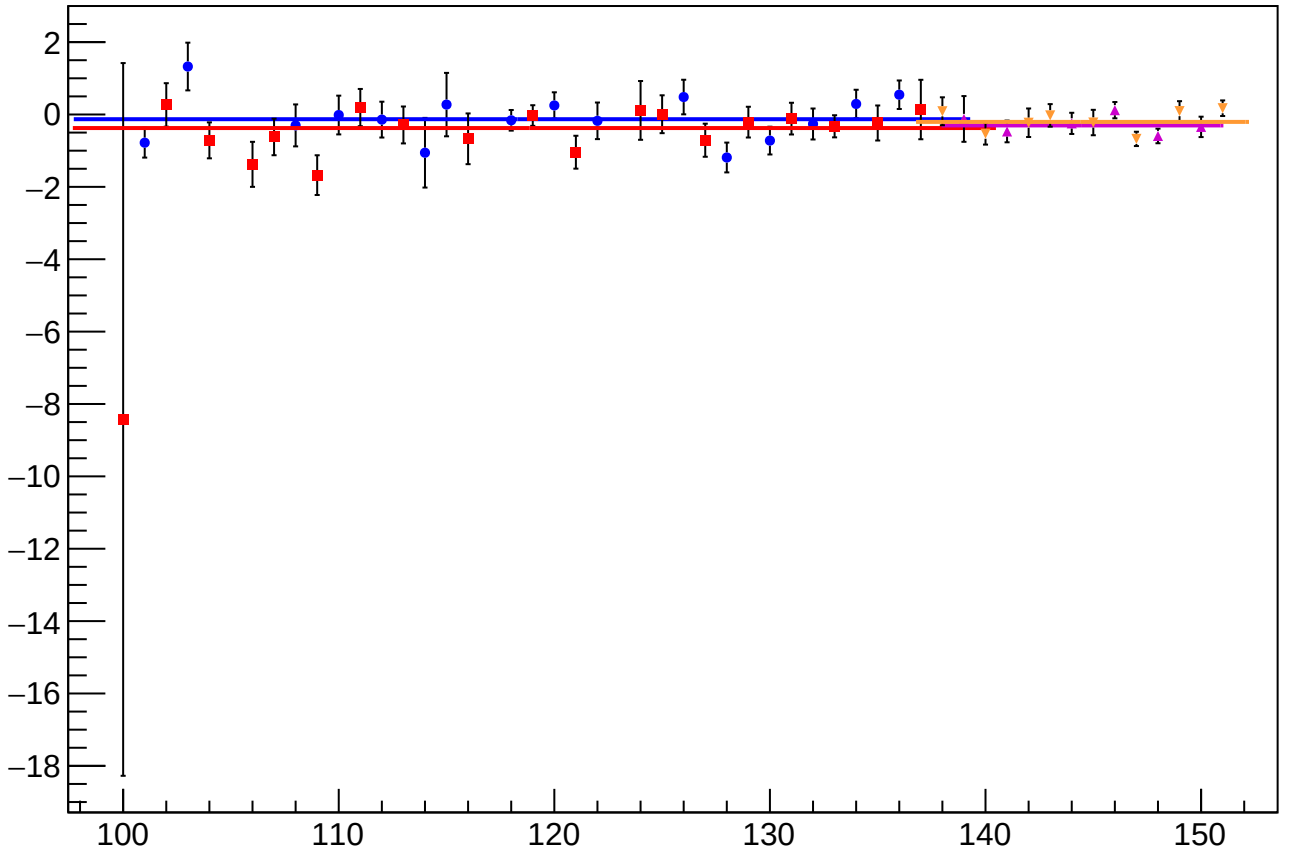
Left: -0.122+/-0.109 χ^2/NDF: 24.3/13

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.290+/-0.090 χ^2/NDF:43.9/21

Out: 0.285+/-0.085 χ^2/NDF:35.6/26

All: 0.287+/-0.062 χ^2/NDF: 79.5/48



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.205+/-0.099 χ^2/NDF:12.0/7

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.302+/-0.110 χ^2/NDF:6.0/5

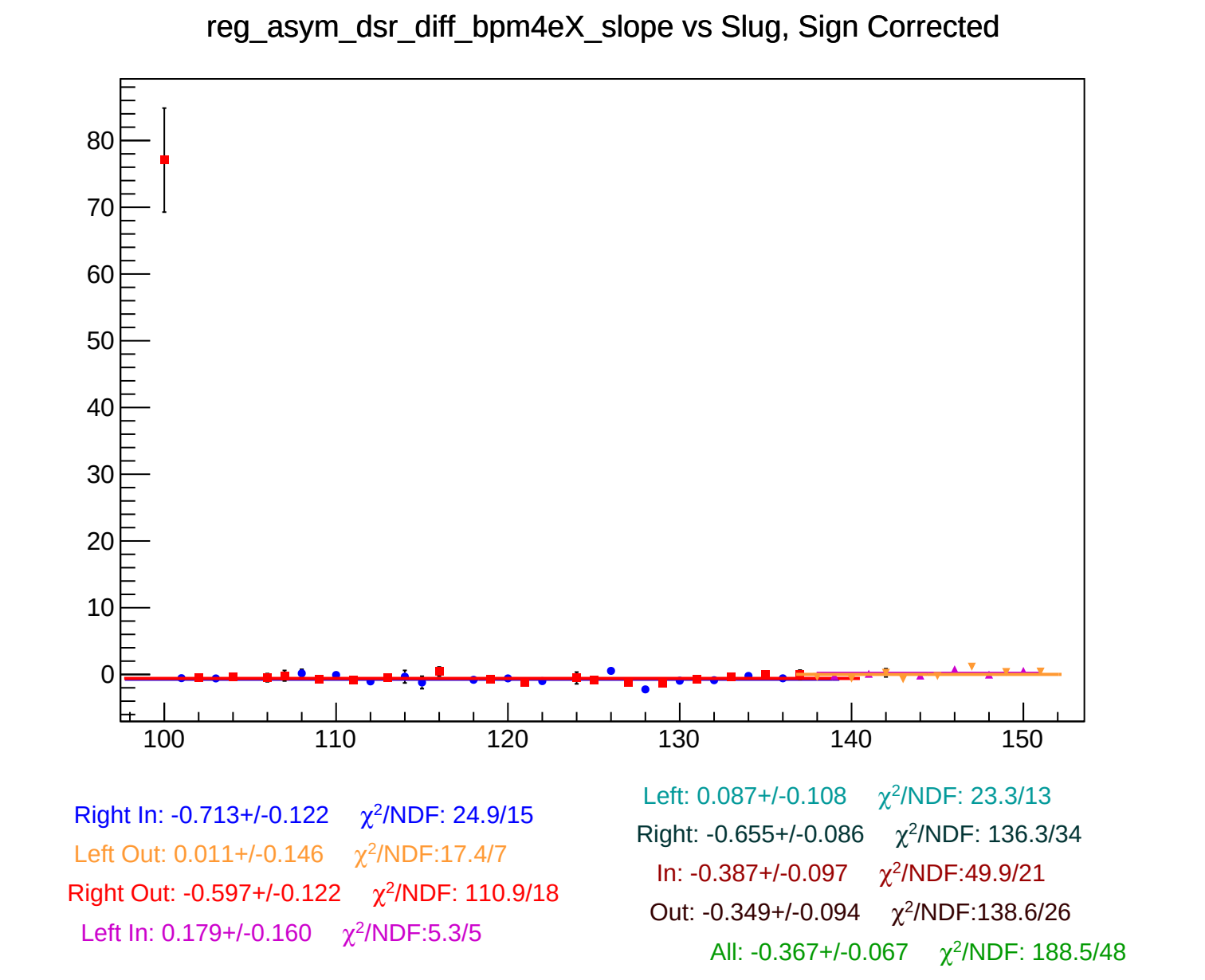
Left: -0.248+/-0.074 χ^2/NDF: 18.5/13

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

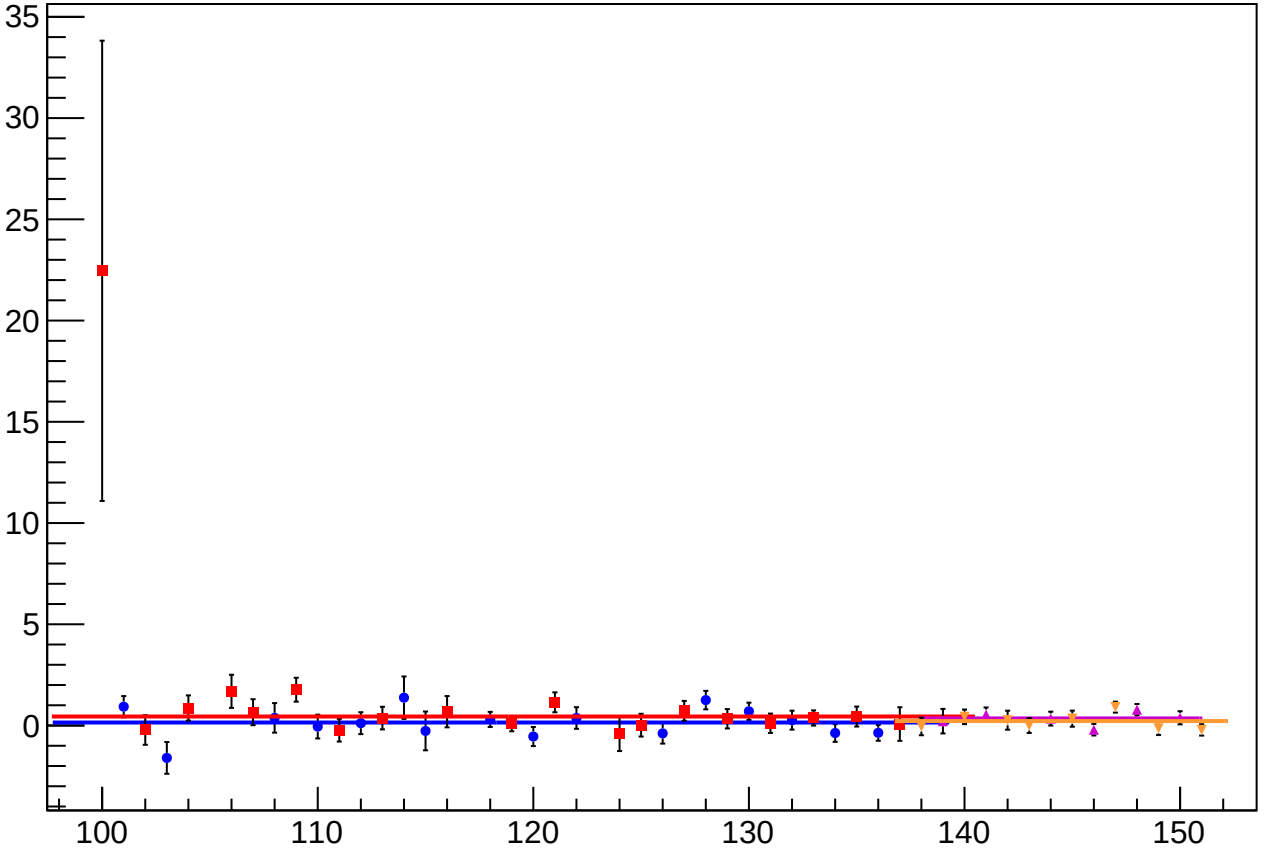
In: -0.217+/-0.078 χ^2/NDF:31.8/21

Out: -0.279+/-0.074 χ^2/NDF:31.5/26

All: -0.250+/-0.054 χ^2/NDF: 63.6/48


reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: -0.713+/-0.122 χ2/NDF: 24.9/15
Left Out: 0.011+/-0.146 χ2/NDF:17.4/7
Right Out: -0.597+/-0.122 χ2/NDF: 110.9/18
Left In: 0.179+/-0.160 χ2/NDF:5.3/5
Left: 0.087+/-0.108 χ2/NDF: 23.3/13
Right: -0.655+/-0.086 χ2/NDF: 136.3/34
In: -0.387+/-0.097 χ2/NDF:49.9/21
Out: -0.349+/-0.094 χ2/NDF:138.6/26
All: -0.367+/-0.067 χ2/NDF: 188.5/48

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.220+/-0.122 χ^2/NDF:11.3/7

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.349+/-0.137 χ^2/NDF:6.5/5

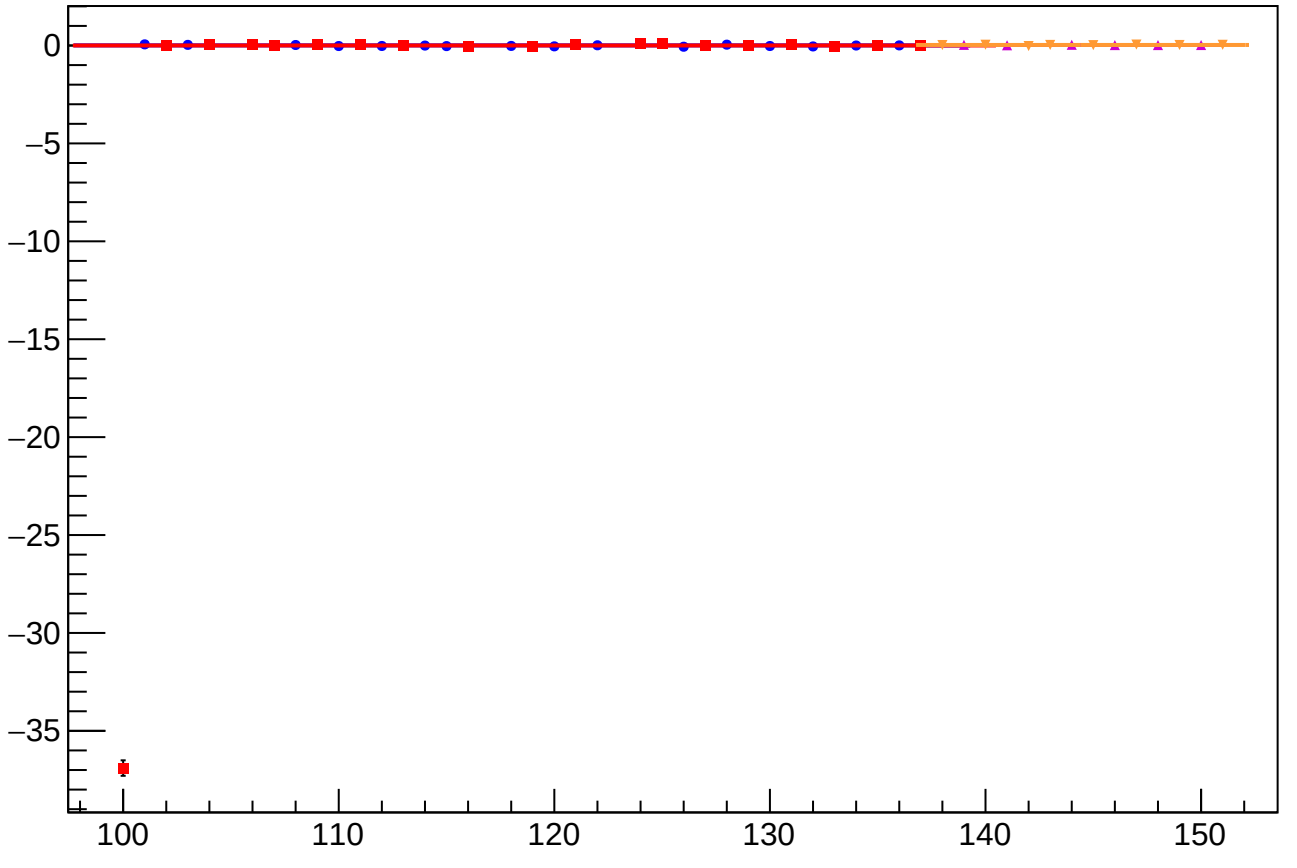
Left: 0.278+/-0.091 χ^2/NDF: 18.2/13

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.242+/-0.093 χ^2/NDF:30.9/21

Out: 0.327+/-0.088 χ^2/NDF:32.6/26

All: 0.287+/-0.064 χ^2/NDF: 63.9/48



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.028+/-0.006 χ^2/NDF:7.4/7

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.026+/-0.006 χ^2/NDF:1.5/5

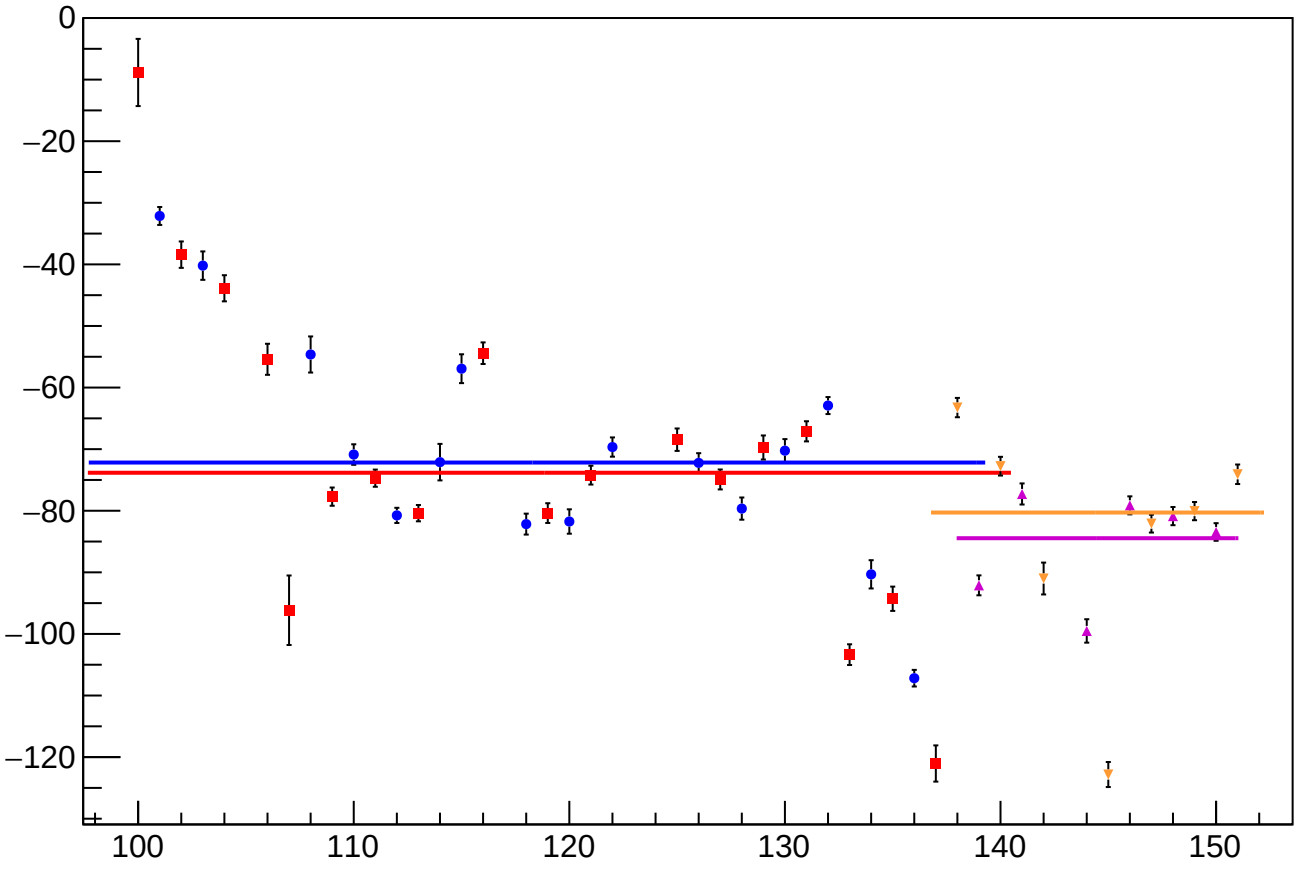
Left: 0.027+/-0.004 χ^2/NDF: 8.9/13

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.017+/-0.005 χ^2/NDF:23.1/21

Out: 0.018+/-0.005 χ^2/NDF:8767.7/26

All: 0.017+/-0.003 χ^2/NDF: 8790.8/48



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -80.290+/-0.624 χ^2/NDF:614.6/6

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -84.458+/-0.643 χ^2/NDF:122.3/5

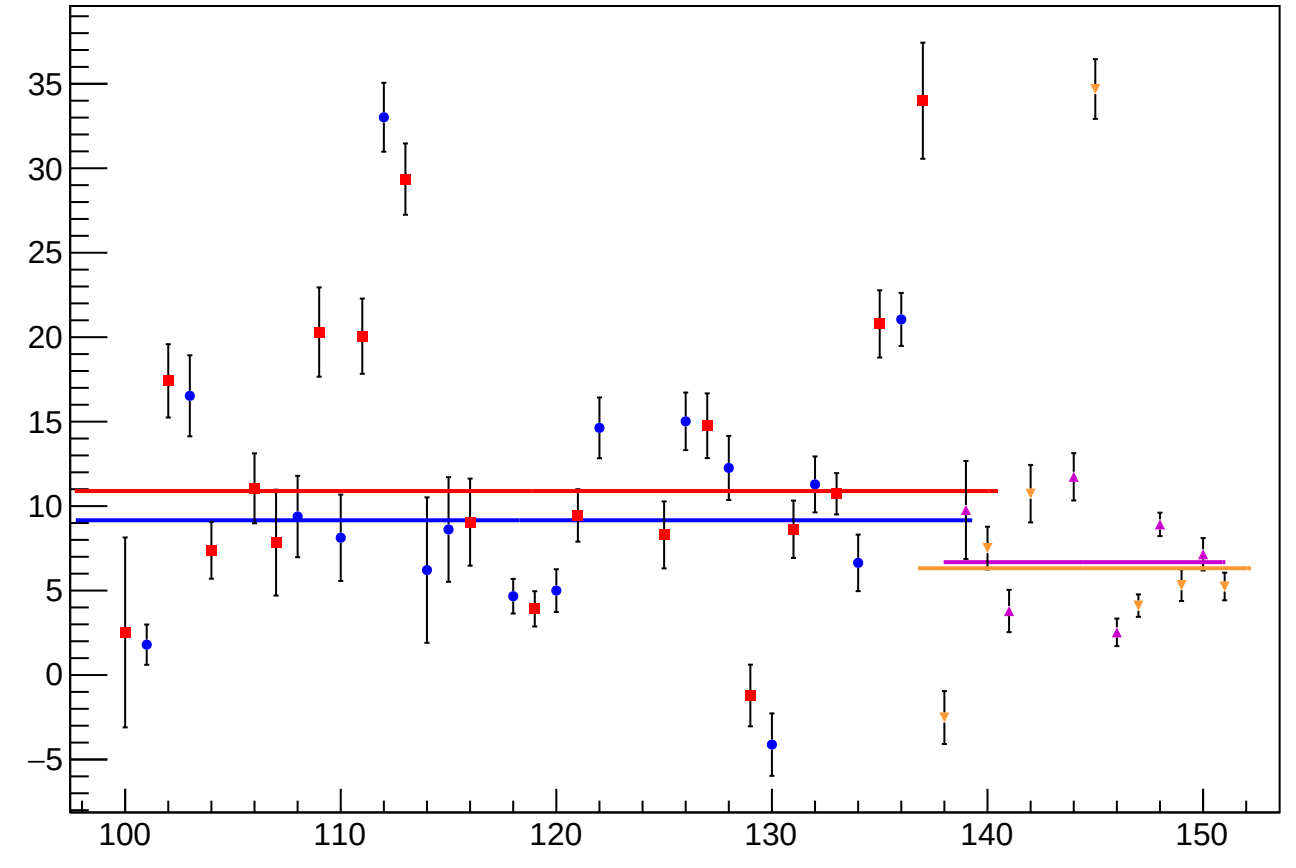
Left: -82.312+/-0.448 χ^2/NDF: 758.6/12

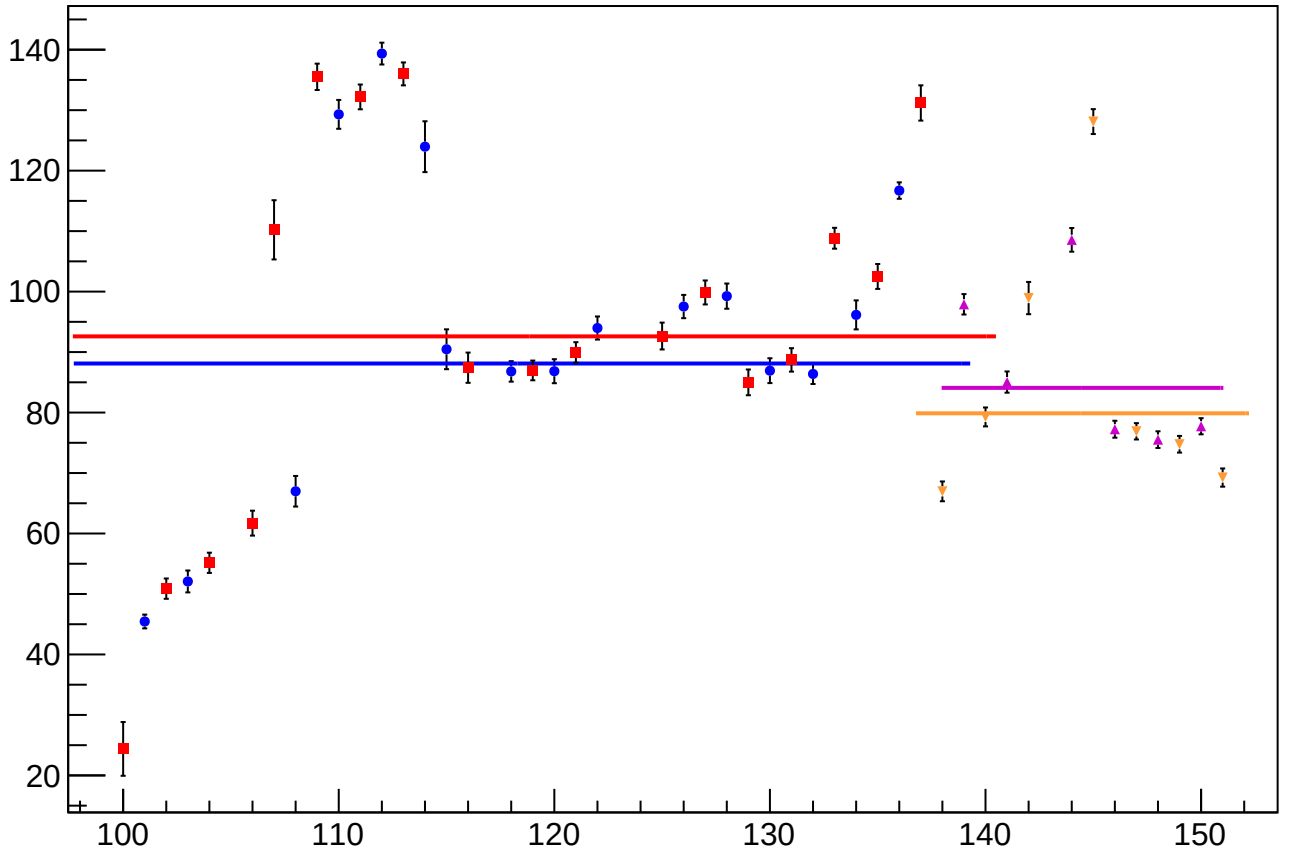
Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.990+/-0.359 χ^2/NDF:2309.6/21

Out: -75.912+/-0.354 χ^2/NDF:2244.8/24

All: -75.951+/-0.252 χ^2/NDF: 4554.5/46


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 6.321+/-0.390 χ²/NDF:310.9/6
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 6.681+/-0.411 χ²/NDF:56.0/5
Left: 6.492+/-0.283 χ²/NDF: 367.4/12
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 7.878+/-0.295 χ²/NDF:425.7/21
Out: 8.329+/-0.292 χ²/NDF:661.6/24
All: 8.106+/-0.208 χ²/NDF: 1088.5/46



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 79.876+/-0.612 χ^2/NDF:730.8/6

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 84.081+/-0.628 χ^2/NDF:308.5/5

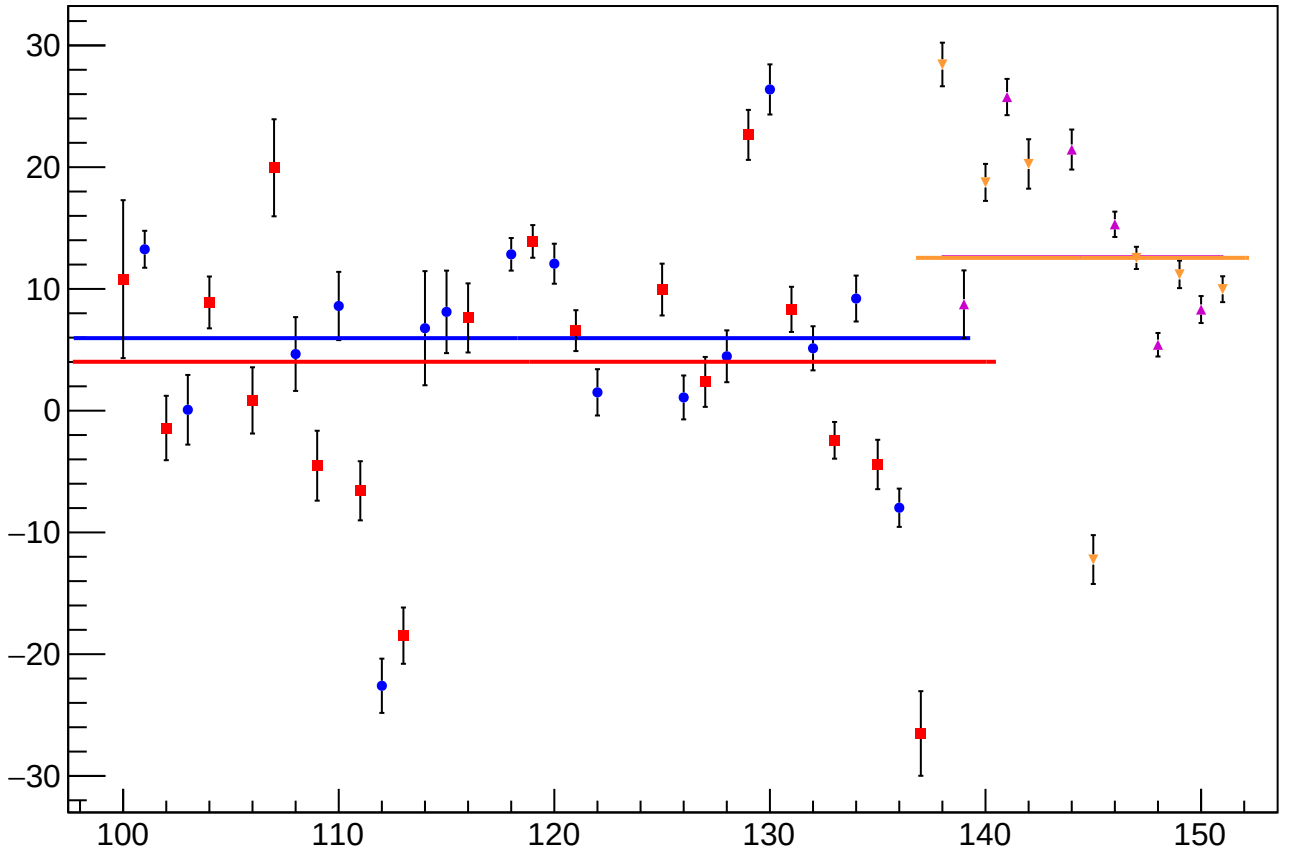
Left: 81.921+/-0.438 χ^2/NDF: 1062.3/12

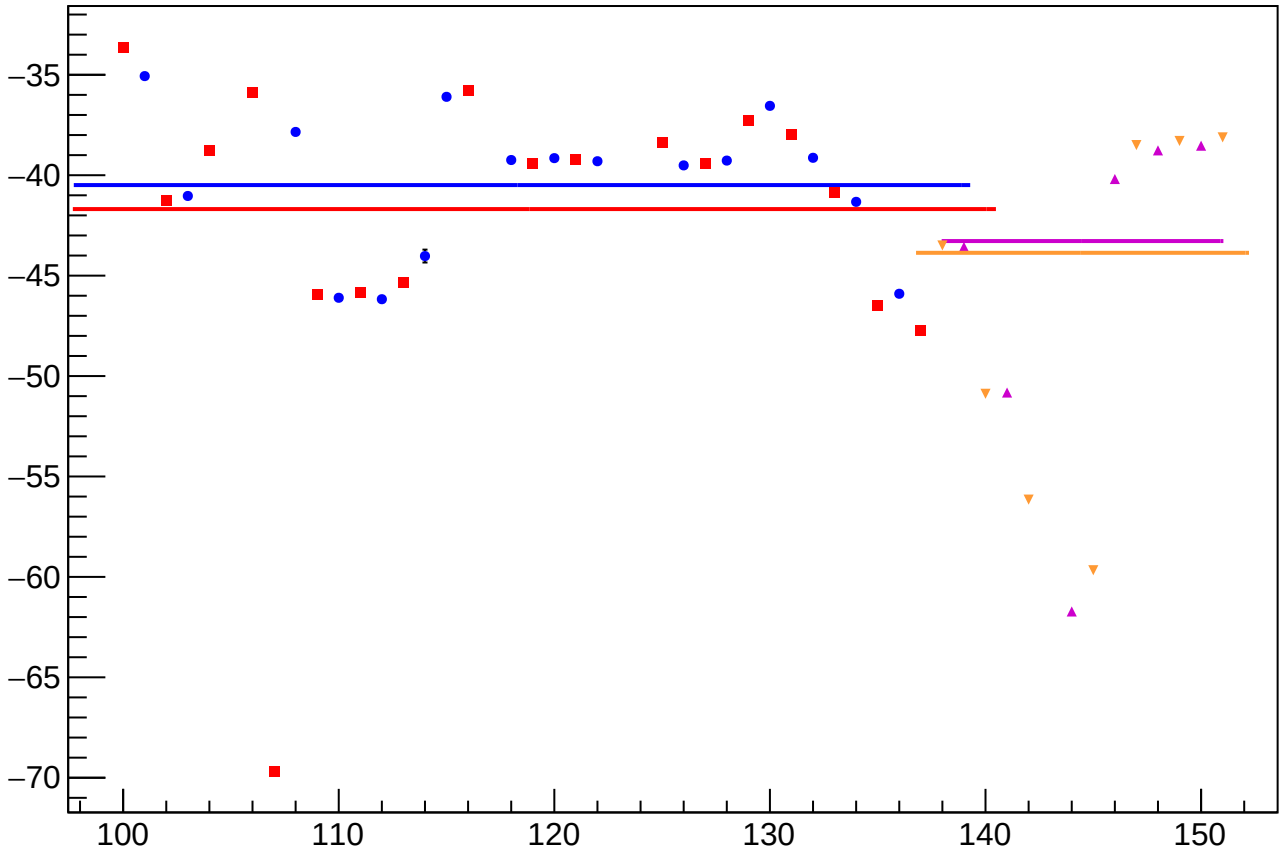
Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 86.670+/-0.376 χ^2/NDF:3896.6/21

Out: 87.708+/-0.379 χ^2/NDF:4208.2/24

All: 87.184+/-0.267 χ^2/NDF: 8108.6/46


reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
Right In: 5.958+/-0.495 χ²/NDF: 426.8/15
Left Out: 12.553+/-0.493 χ²/NDF:269.6/6
Right Out: 4.017+/-0.510 χ²/NDF: 417.7/17
Left In: 12.606+/-0.516 χ²/NDF:186.0/5
Left: 12.578+/-0.357 χ²/NDF: 455.7/12
Right: 5.016+/-0.355 χ²/NDF: 851.9/33
In: 9.143+/-0.357 χ²/NDF:699.3/21
Out: 8.422+/-0.355 χ²/NDF:832.1/24
All: 8.780+/-0.252 χ²/NDF: 1533.5/46



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -43.863+/-0.026 χ^2/NDF:87109.2/6

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -43.278+/-0.025 χ^2/NDF:71850.1/5

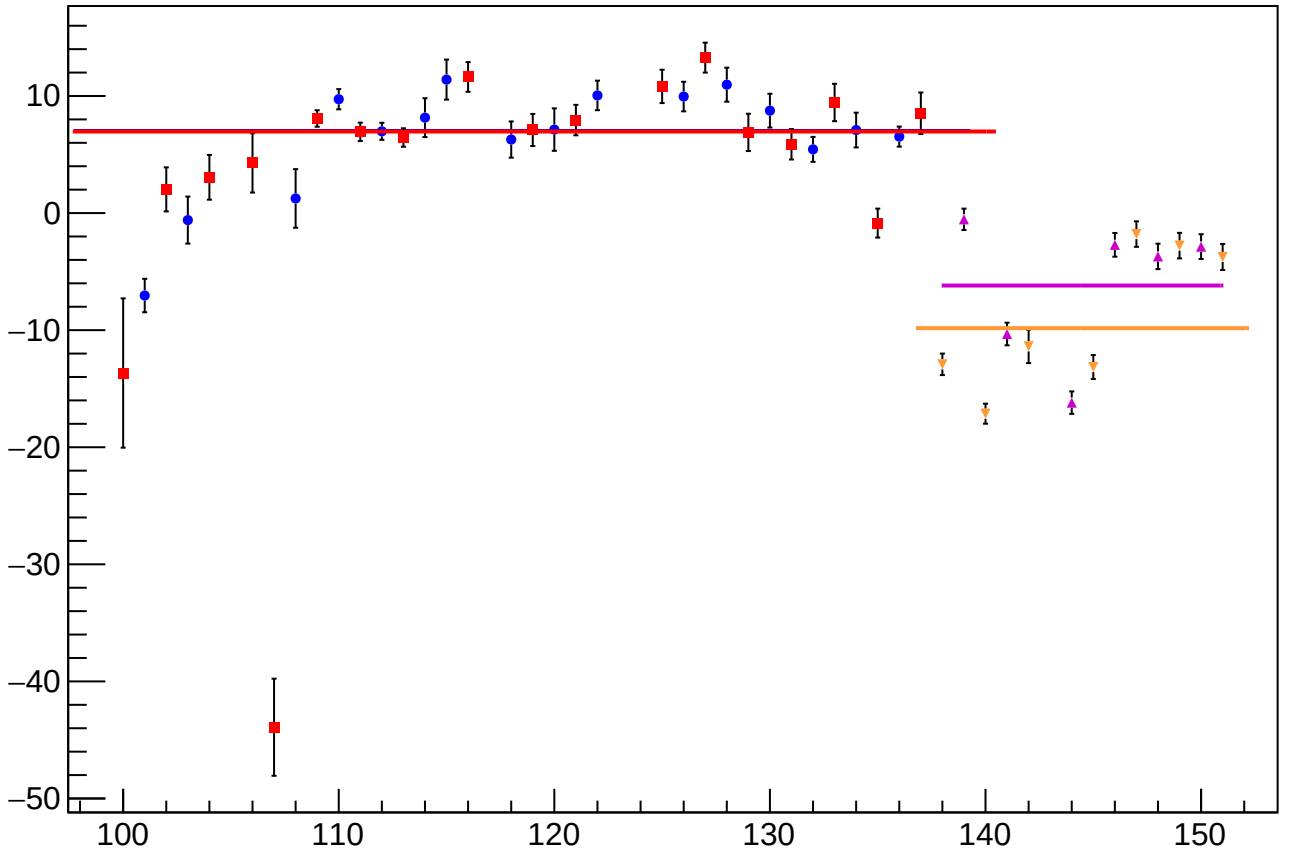
Left: -43.570+/-0.018 χ^2/NDF: 159221.9/12

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -42.030+/-0.019 χ^2/NDF:95327.3/21

Out: -42.921+/-0.019 χ^2/NDF:127090.7/24

All: -42.469+/-0.014 χ^2/NDF: 223505.9/46



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.830+/-0.393 χ^2/NDF:222.0/6

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -6.190+/-0.406 χ^2/NDF:191.7/5

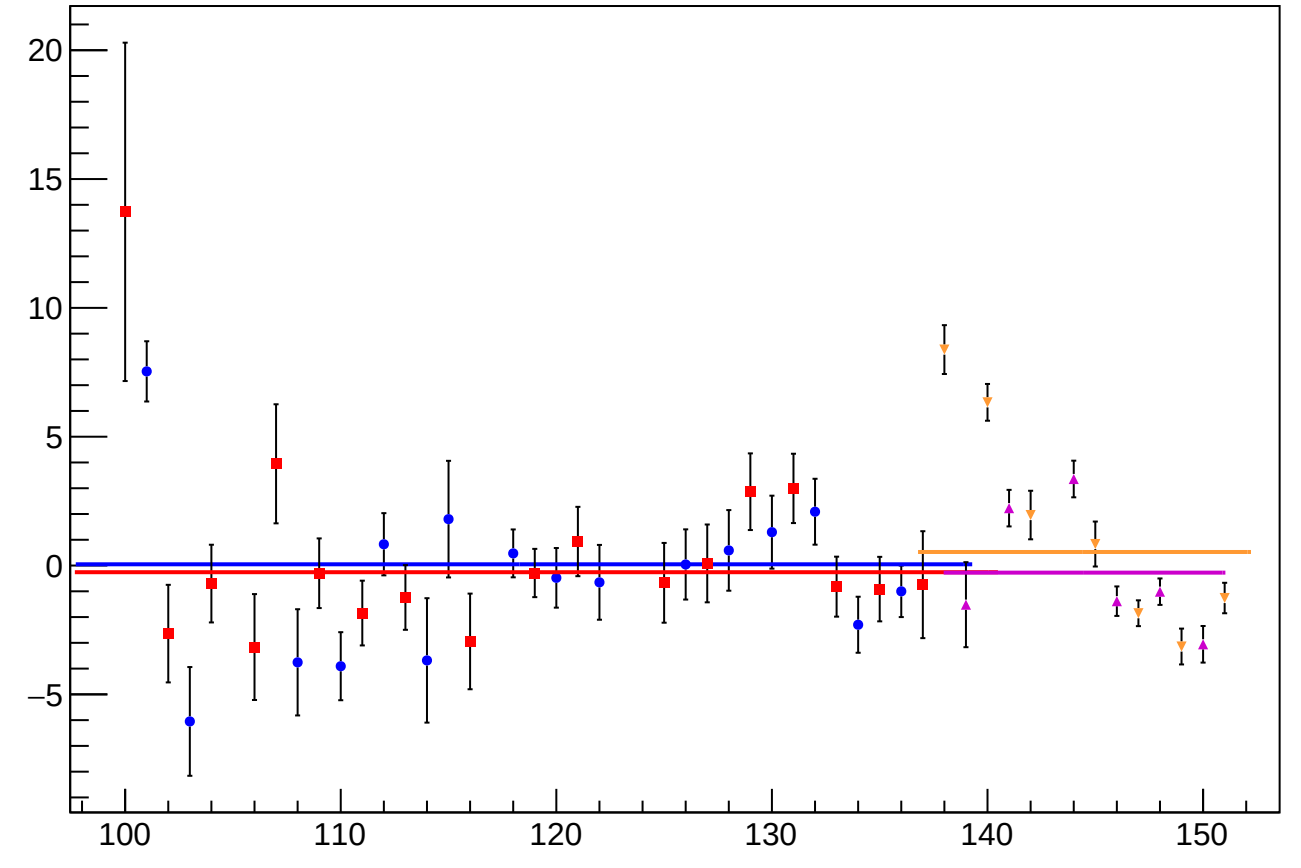
Left: -8.071+/-0.282 χ^2/NDF: 455.2/12

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 2.165+/-0.246 χ^2/NDF:1016.8/21

Out: 0.825+/-0.237 χ^2/NDF:1648.4/24

All: 1.471+/-0.171 χ^2/NDF: 2680.6/46



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.526+/-0.263 χ^2/NDF:196.8/6

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: -0.275+/-0.276 χ^2/NDF:60.3/5

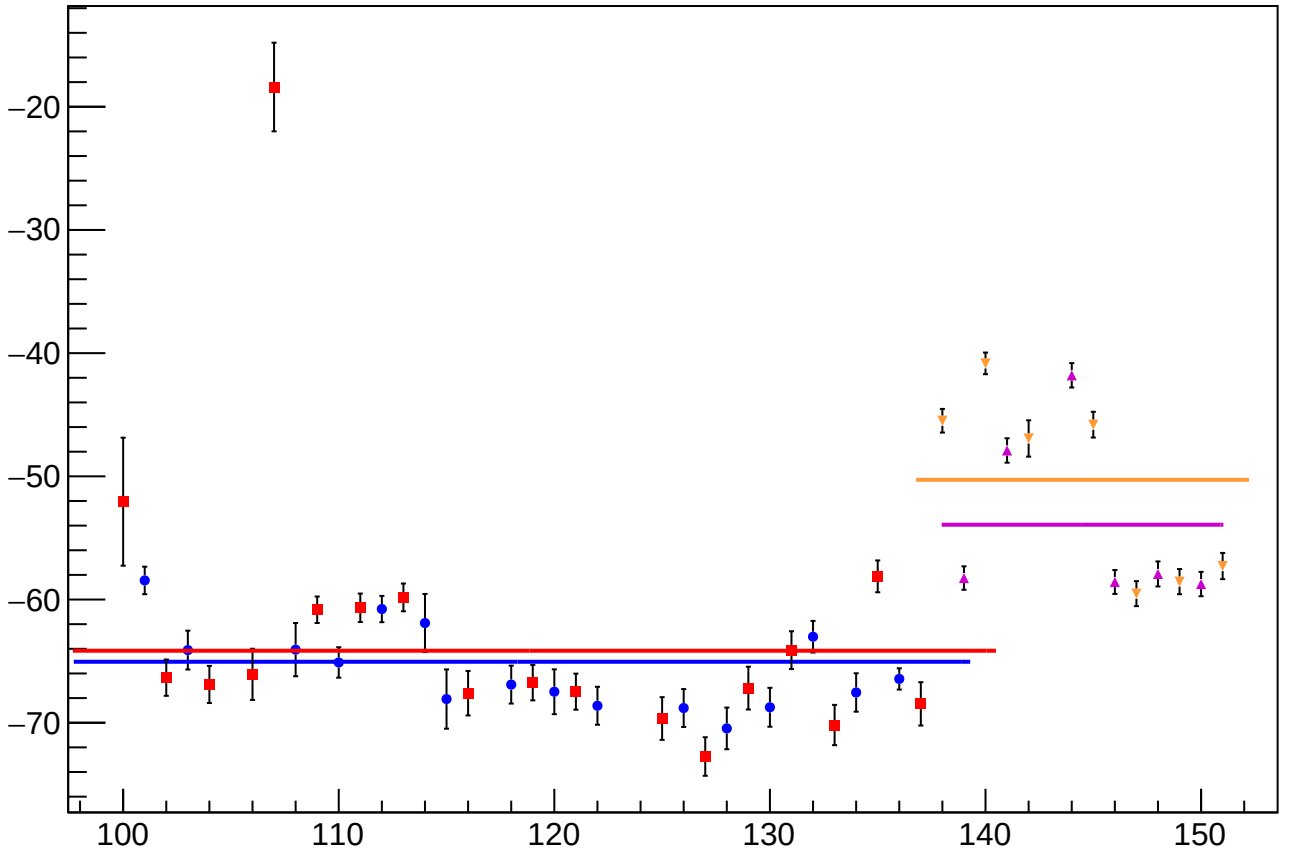
Left: 0.144+/-0.190 χ^2/NDF: 261.5/12

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.143+/-0.212 χ^2/NDF:135.8/21

Out: 0.237+/-0.209 χ^2/NDF:227.6/24

All: 0.049+/-0.149 χ^2/NDF: 365.1/46



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.281+/-0.390 χ^2/NDF:355.8/6

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -53.928+/-0.402 χ^2/NDF:269.7/5

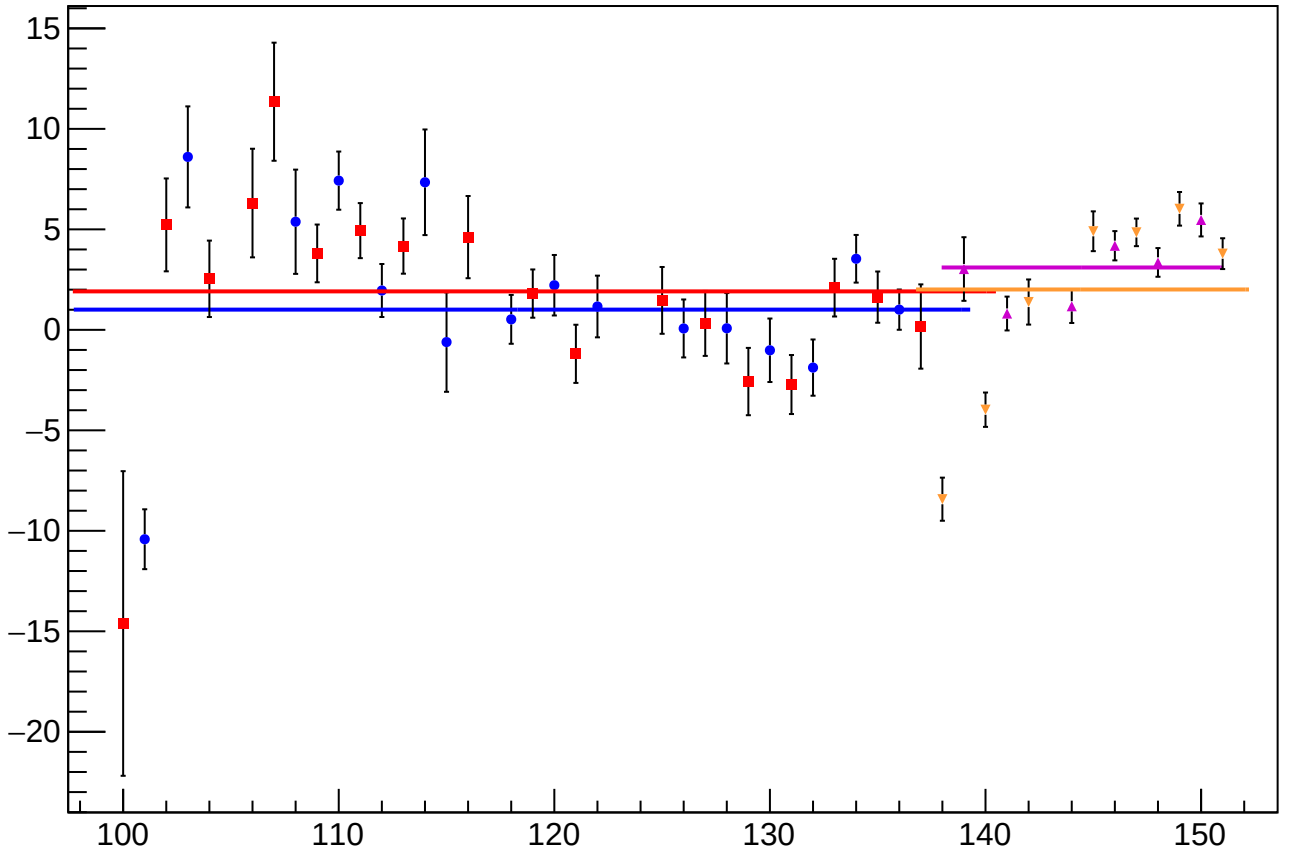
Left: -52.050+/-0.280 χ^2/NDF: 667.9/12

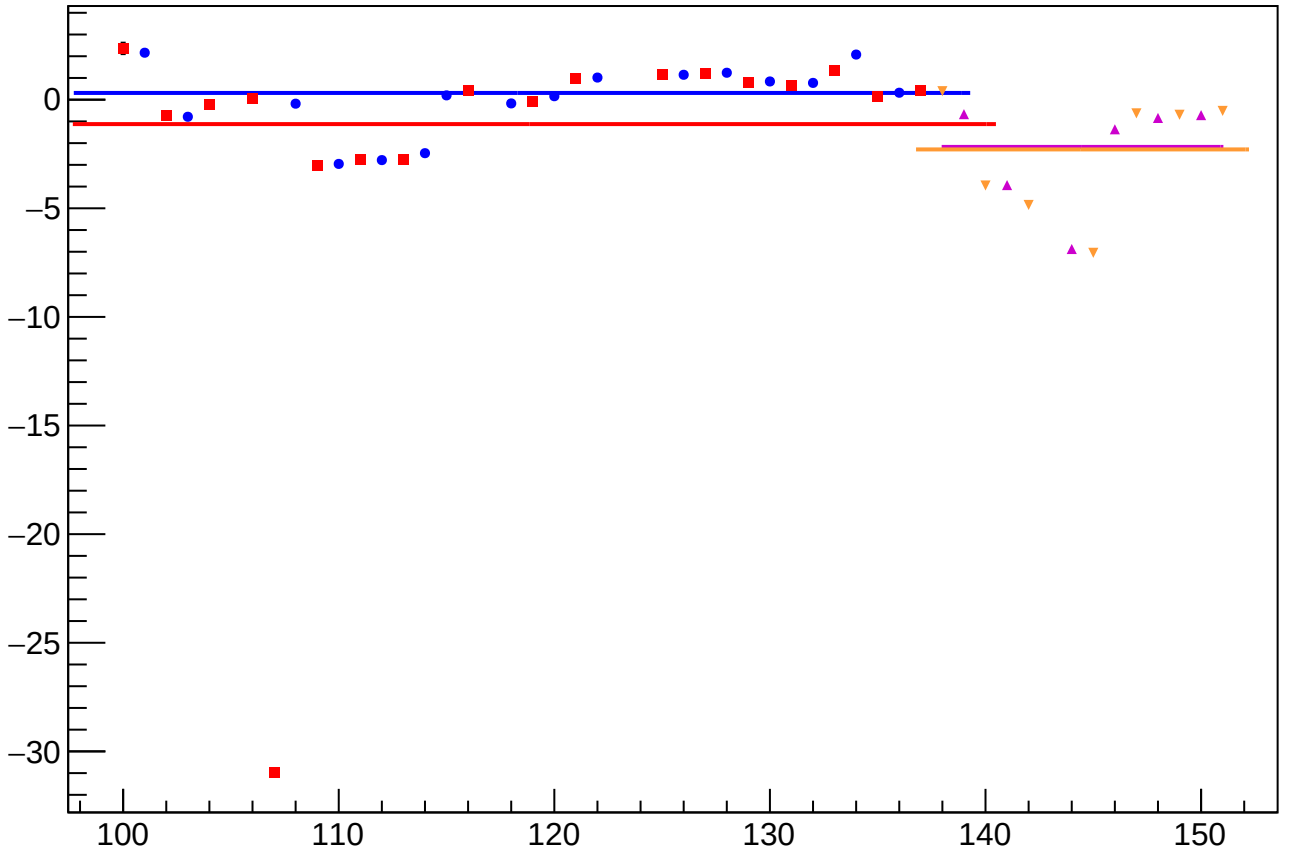
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -60.191+/-0.266 χ^2/NDF:793.9/21

Out: -57.767+/-0.265 χ^2/NDF:1341.8/24

All: -58.975+/-0.188 χ^2/NDF: 2177.5/46


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 2.008+/-0.328 χ²/NDF:198.1/6
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 3.103+/-0.341 χ²/NDF:23.4/5
Left: 2.534+/-0.236 χ²/NDF: 226.9/12
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 2.155+/-0.253 χ²/NDF:149.7/21
Out: 1.969+/-0.251 χ²/NDF:252.6/24
All: 2.061+/-0.178 χ²/NDF: 402.6/46



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.290+/-0.016 χ^2/NDF:26496.6/6

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -2.174+/-0.016 χ^2/NDF:17867.7/5

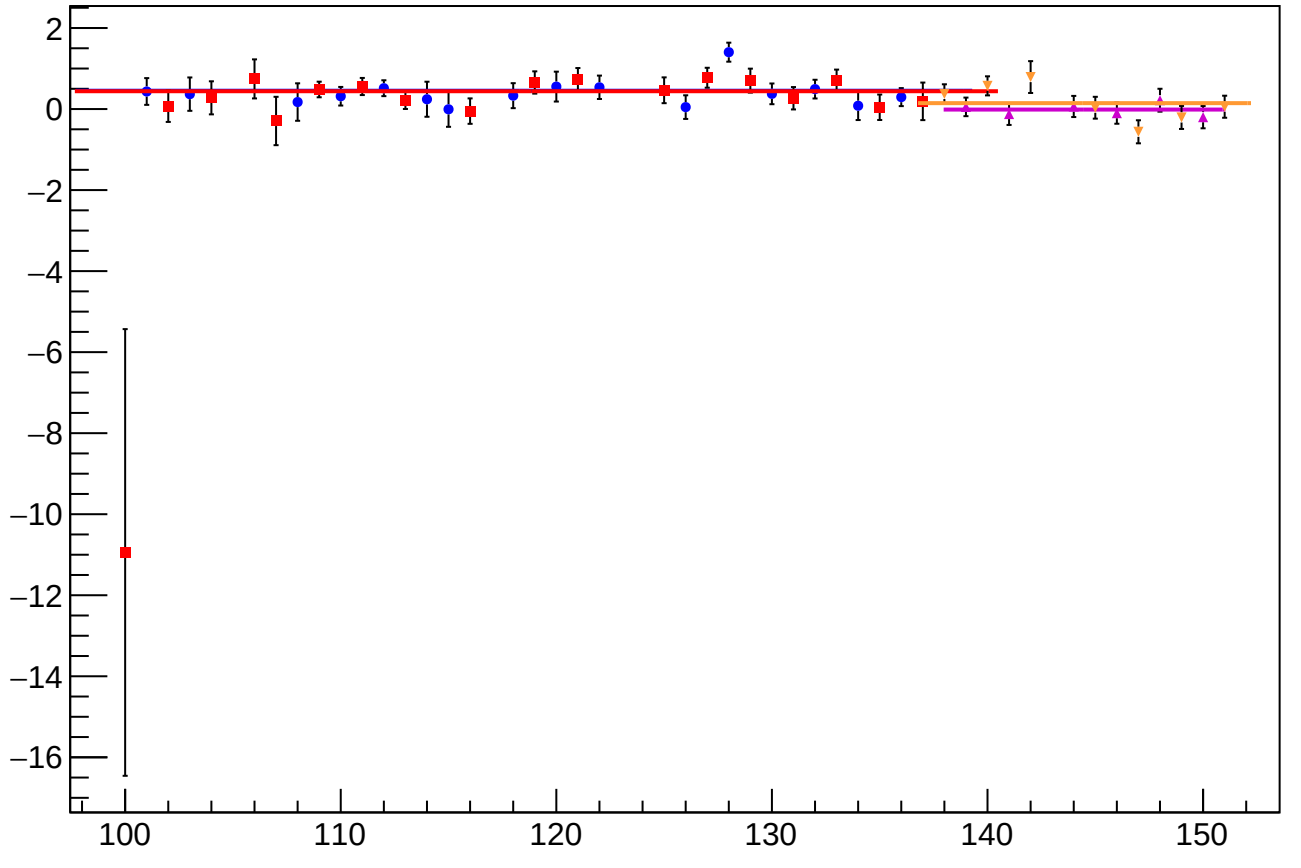
Left: -2.232+/-0.011 χ^2/NDF: 44389.7/12

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.245+/-0.013 χ^2/NDF:31423.7/21

Out: -1.887+/-0.013 χ^2/NDF:74647.2/24

All: -1.562+/-0.009 χ^2/NDF: 107296.0/46



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.146+/-0.103 χ^2/NDF:14.9/6

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.013+/-0.107 χ^2/NDF:1.6/5

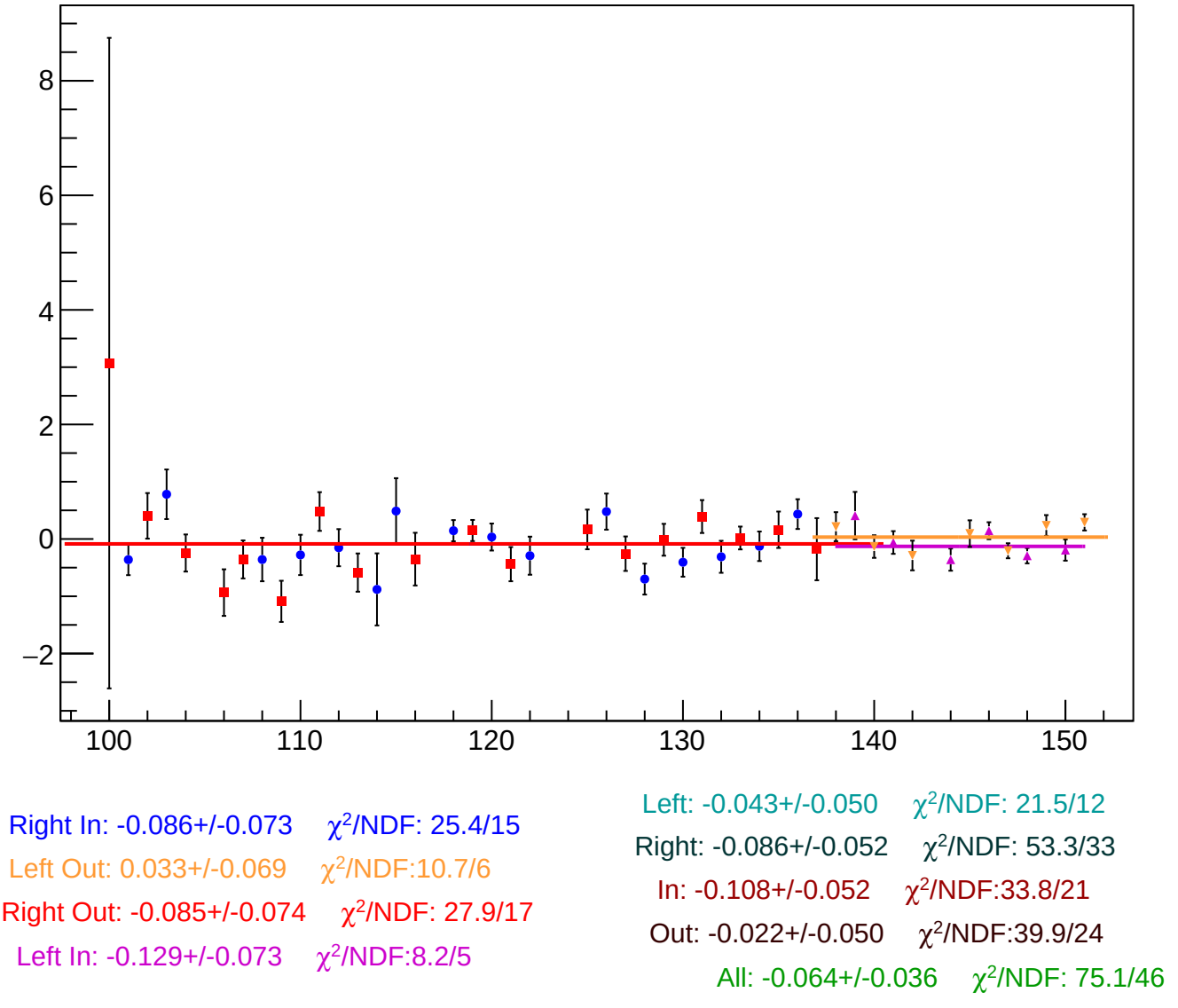
Left: 0.069+/-0.074 χ^2/NDF: 17.6/12

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

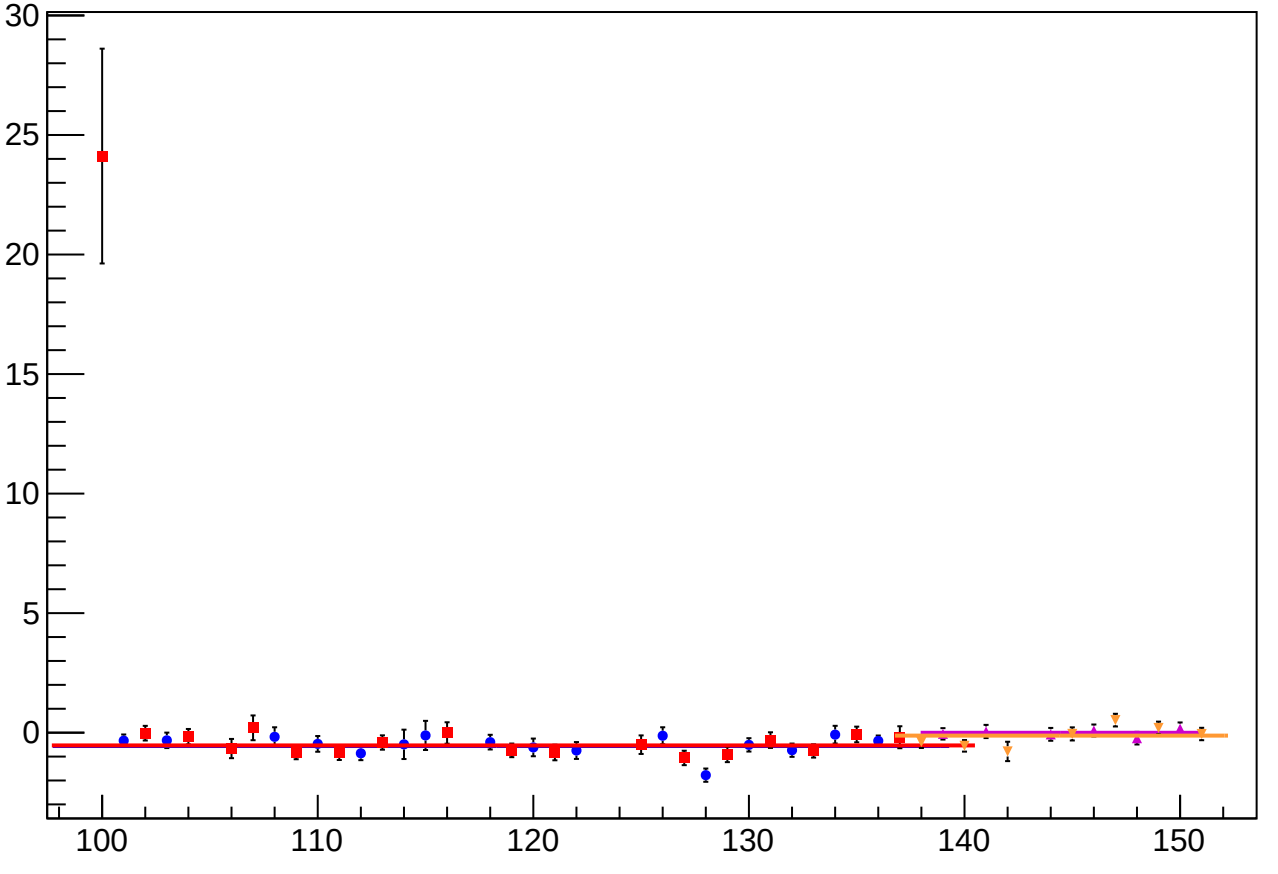
In: 0.309+/-0.059 χ^2/NDF:37.4/21

Out: 0.348+/-0.058 χ^2/NDF:39.0/24

All: 0.329+/-0.041 χ^2/NDF: 76.6/46


reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
Right In: -0.086+/-0.073 χ²/NDF: 25.4/15
Left Out: 0.033+/-0.069 χ²/NDF:10.7/6
Right Out: -0.085+/-0.074 χ²/NDF: 27.9/17
Left In: -0.129+/-0.073 χ²/NDF:8.2/5
Left: -0.043+/-0.050 χ²/NDF: 21.5/12
Right: -0.086+/-0.052 χ²/NDF: 53.3/33
In: -0.108+/-0.052 χ²/NDF:33.8/21
Out: -0.022+/-0.050 χ²/NDF:39.9/24
All: -0.064+/-0.036 χ²/NDF: 75.1/46

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: -0.123+/-0.102 χ^2/NDF:14.5/6

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.005+/-0.106 χ^2/NDF:1.5/5

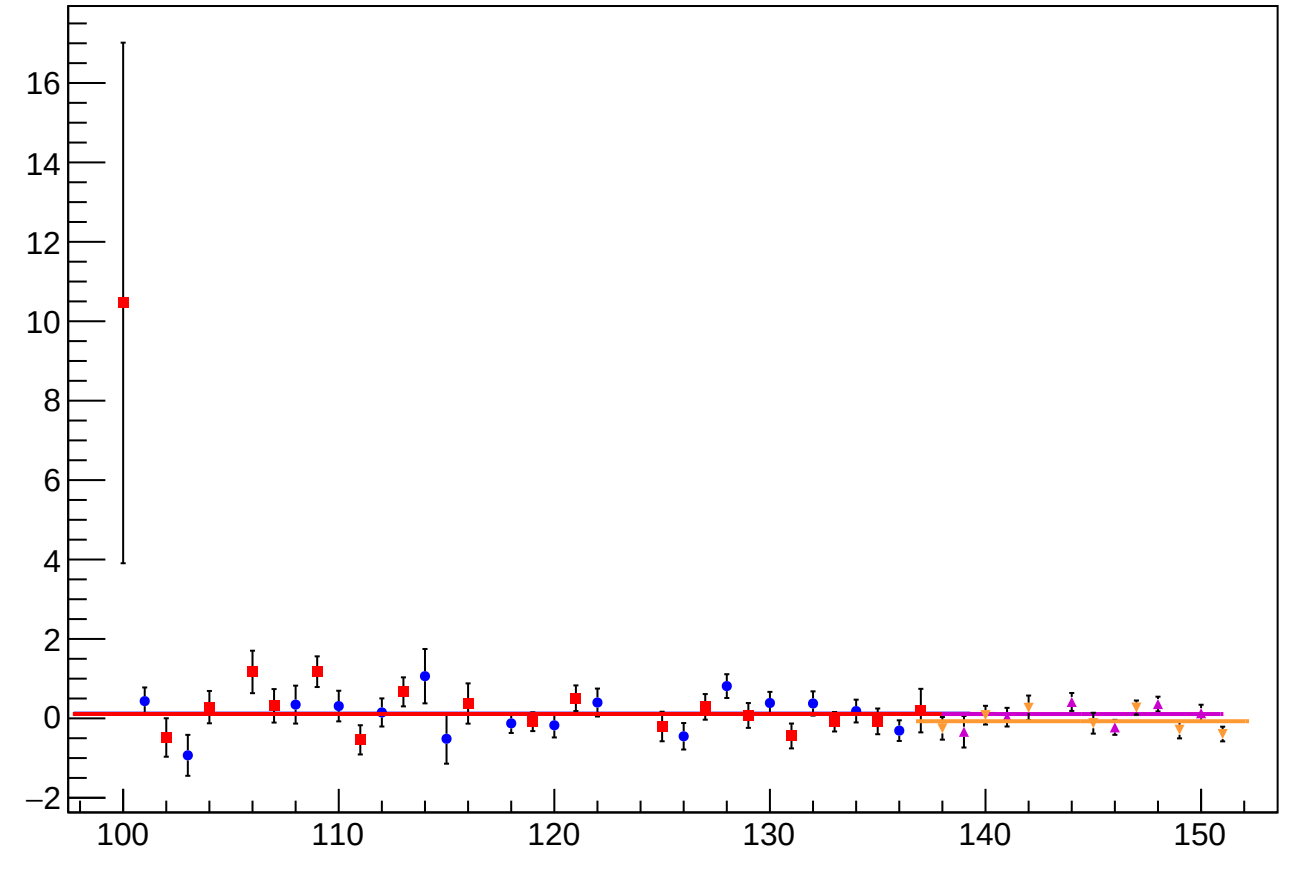
Left: -0.066+/-0.073 χ^2/NDF: 16.6/12

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.357+/-0.064 χ^2/NDF:47.3/21

Out: -0.376+/-0.063 χ^2/NDF:73.6/24

All: -0.367+/-0.045 χ^2/NDF: 121.0/46



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.072+/-0.086 χ^2/NDF:9.7/6

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.109+/-0.090 χ^2/NDF:8.2/5

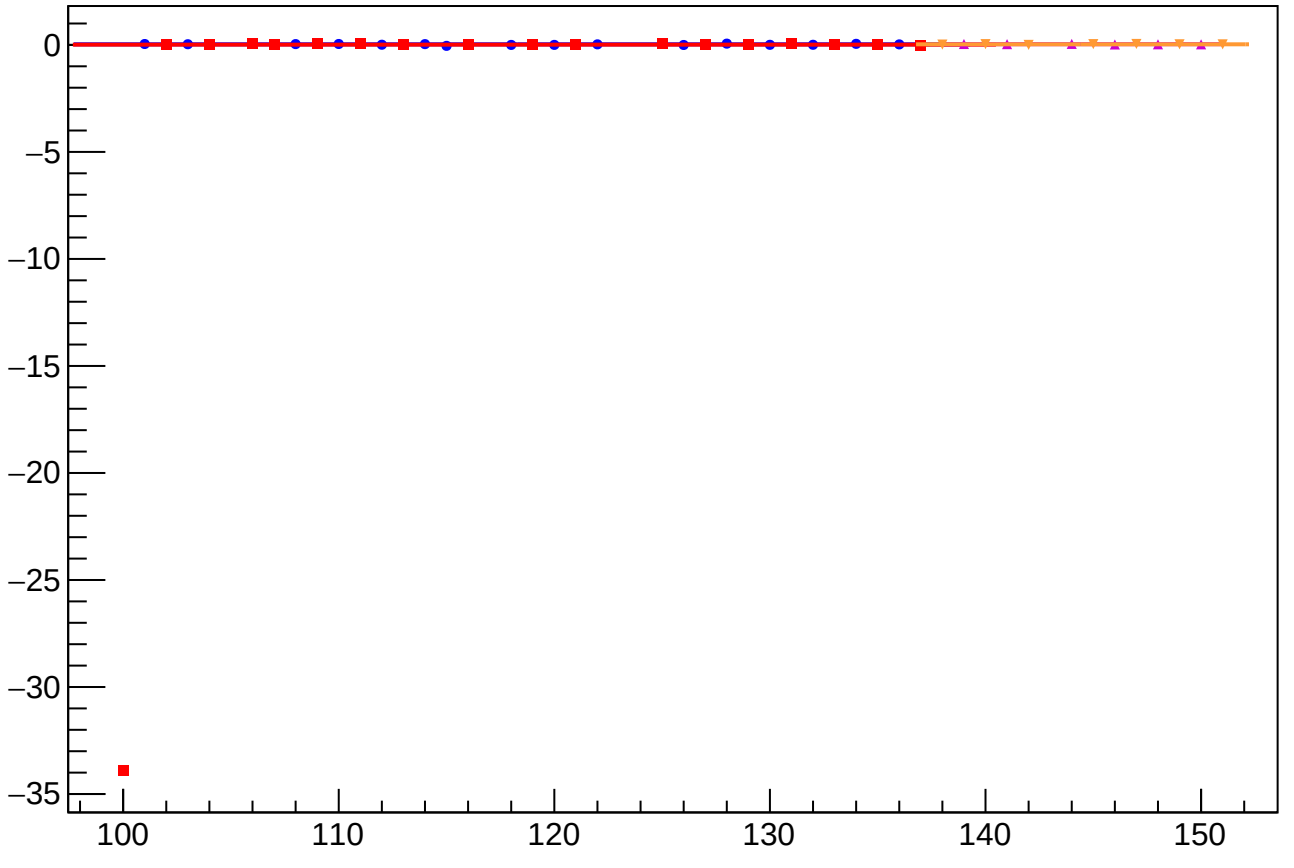
Left: 0.014+/-0.062 χ^2/NDF: 20.0/12

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.114+/-0.061 χ^2/NDF:31.8/21

Out: 0.021+/-0.060 χ^2/NDF:41.0/24

All: 0.066+/-0.043 χ^2/NDF: 74.0/46



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.004 χ^2/NDF:7.4/6

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.034+/-0.004 χ^2/NDF:4.6/5

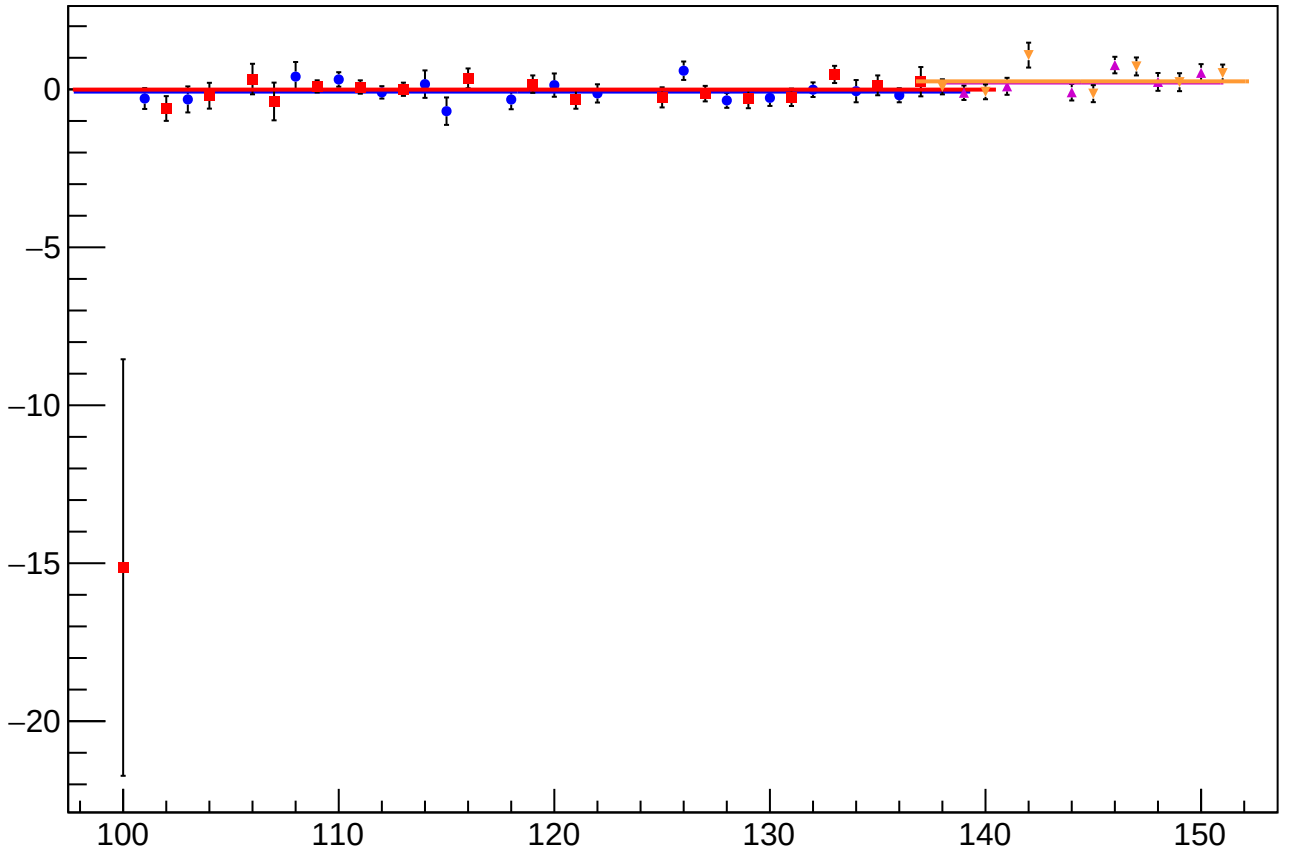
Left: 0.031+/-0.003 χ^2/NDF: 13.1/12

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.003 χ^2/NDF:20.3/21

Out: 0.021+/-0.003 χ^2/NDF:22275.5/24

All: 0.026+/-0.002 χ^2/NDF: 22300.9/46



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.254+/-0.103 χ^2/NDF:12.7/6

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.217+/-0.107 χ^2/NDF:9.3/5

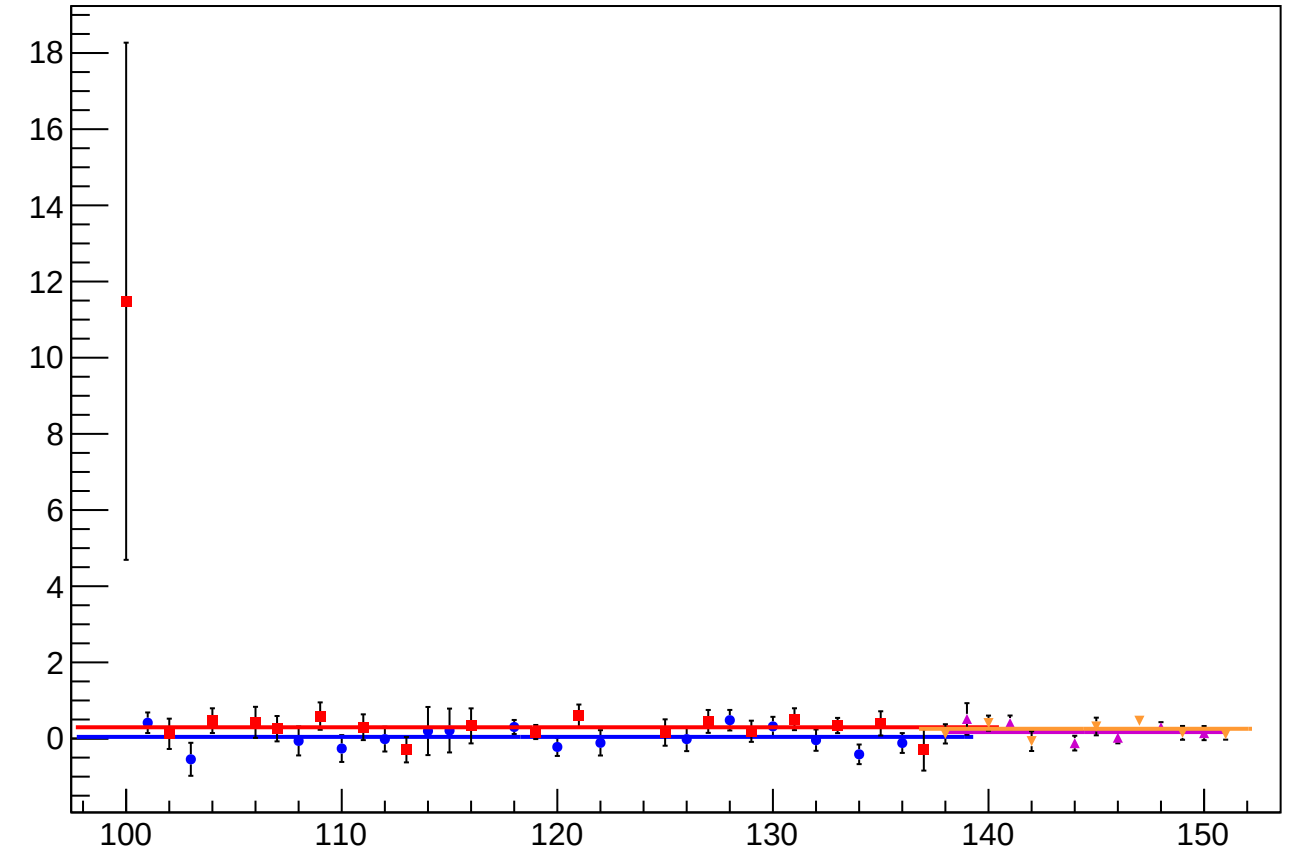
Left: 0.236+/-0.074 χ^2/NDF: 22.1/12

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.018+/-0.059 χ^2/NDF:29.8/21

Out: 0.075+/-0.058 χ^2/NDF:35.3/24

All: 0.047+/-0.041 χ^2/NDF: 65.5/46



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.257+/-0.069 χ^2/NDF:6.4/6

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.170+/-0.073 χ^2/NDF:6.3/5

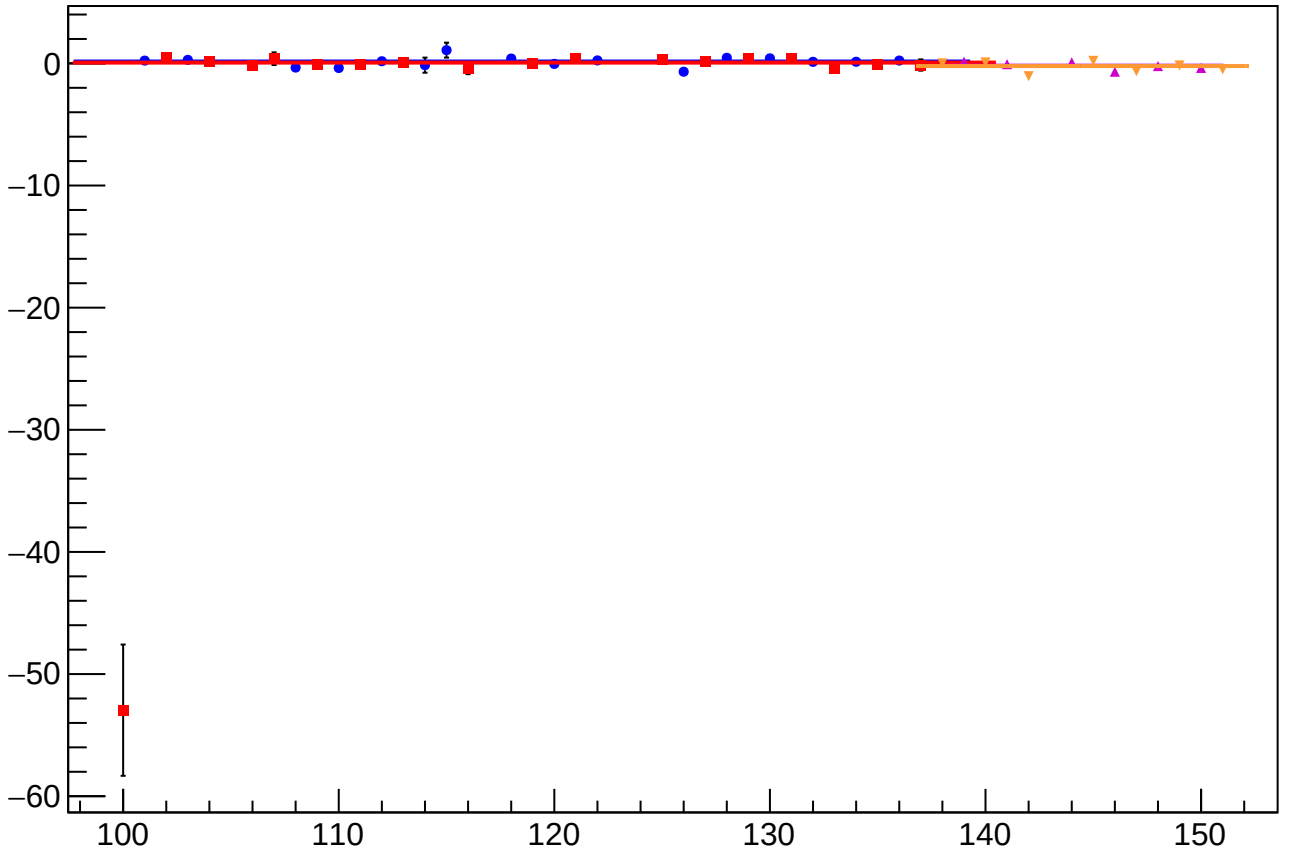
Left: 0.216+/-0.050 χ^2/NDF: 13.5/12

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.107+/-0.052 χ^2/NDF:23.5/21

Out: 0.275+/-0.050 χ^2/NDF:17.6/24

All: 0.193+/-0.036 χ^2/NDF: 46.5/46



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.218+/-0.102 χ^2/NDF:12.4/6

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.186+/-0.105 χ^2/NDF:7.5/5

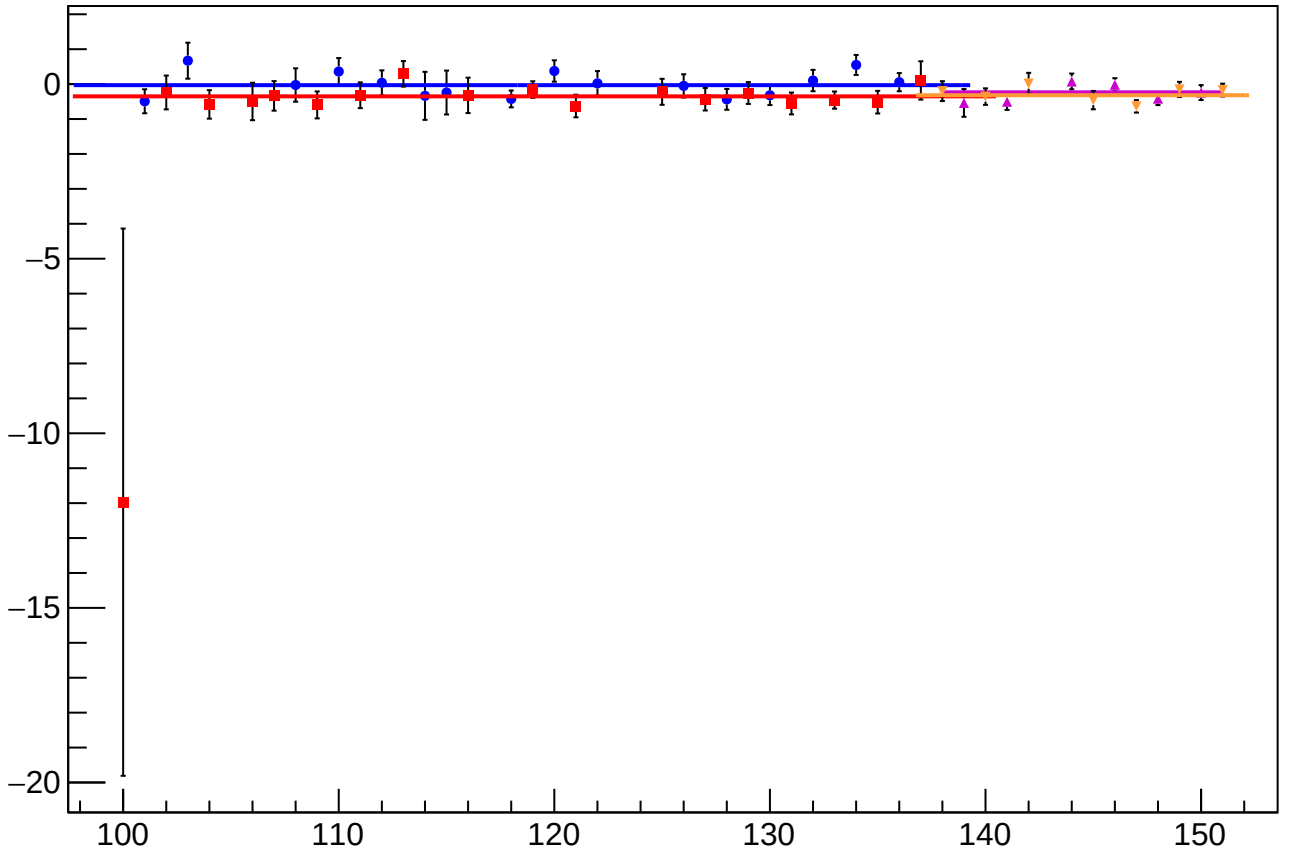
Left: -0.202+/-0.073 χ^2/NDF: 20.0/12

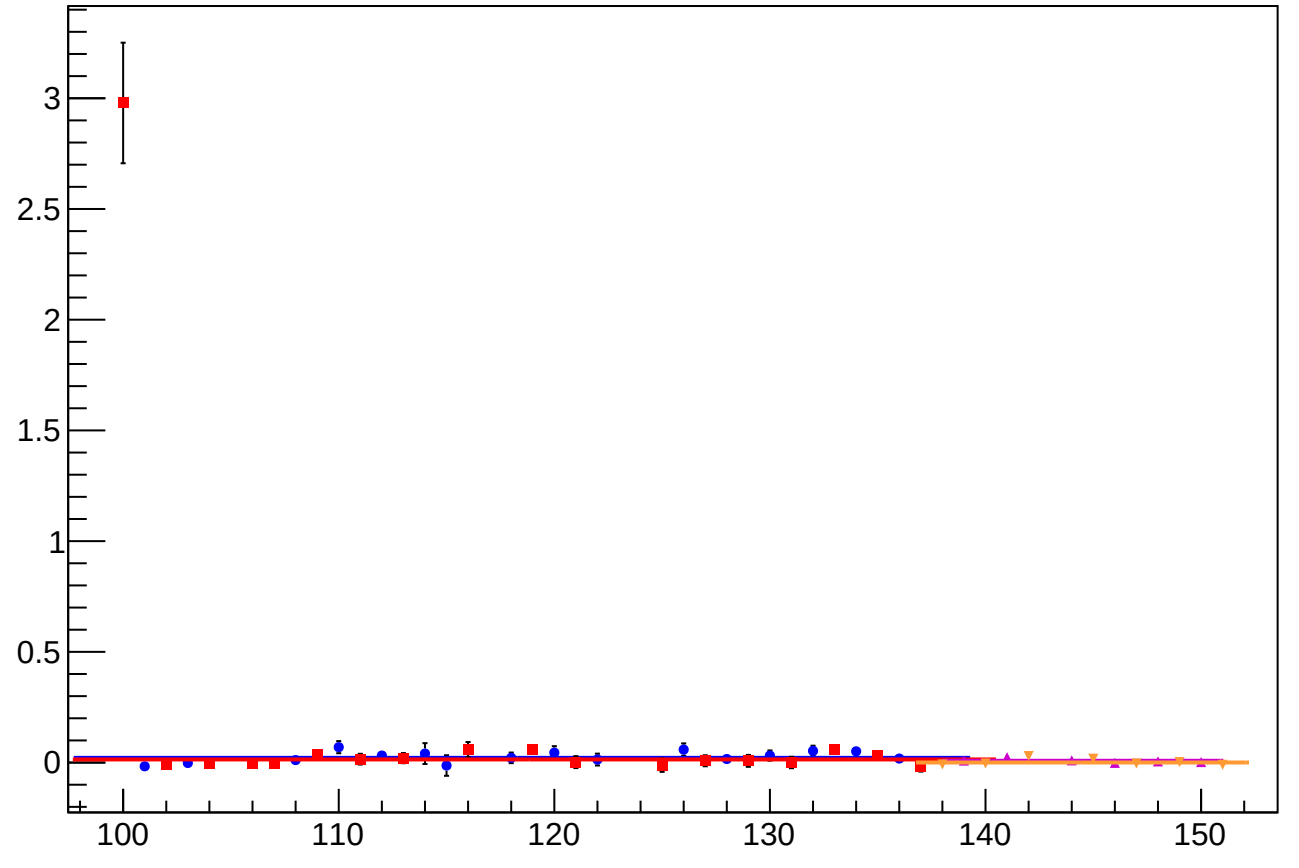
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.030+/-0.064 χ^2/NDF:29.7/21

Out: -0.043+/-0.063 χ^2/NDF:126.5/24

All: -0.007+/-0.045 χ^2/NDF: 156.8/46


reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
110
120
130
140
150
Right In: -0.030+/-0.084 χ²/NDF: 16.8/15
Left Out: -0.318+/-0.086 χ²/NDF:6.0/6
Right Out: -0.350+/-0.085 χ²/NDF: 9.4/17
Left In: -0.236+/-0.090 χ²/NDF:6.1/5
Left: -0.279+/-0.062 χ²/NDF: 12.5/12
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.125+/-0.061 χ²/NDF:25.6/21
Out: -0.334+/-0.060 χ²/NDF:15.5/24
All: -0.232+/-0.043 χ²/NDF: 47.0/46



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.004 χ^2/NDF:7.7/6

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.008+/-0.004 χ^2/NDF:3.3/5

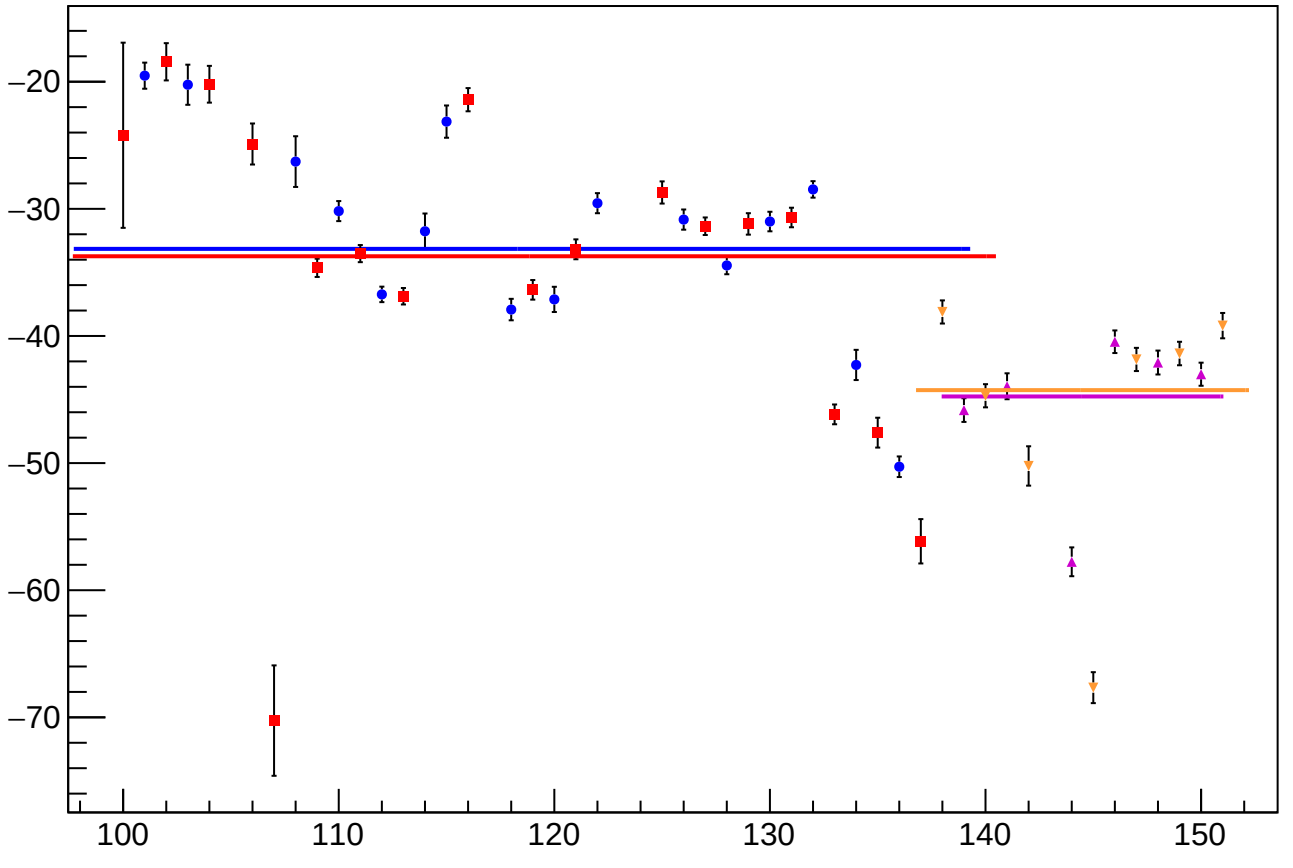
Left: 0.004+/-0.003 χ^2/NDF: 12.7/12

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.014+/-0.003 χ^2/NDF:30.0/21

Out: 0.006+/-0.003 χ^2/NDF:153.1/24

All: 0.010+/-0.002 χ^2/NDF: 186.0/46



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -44.261+/-0.381 χ^2/NDF:472.9/6

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -44.759+/-0.392 χ^2/NDF:168.7/5

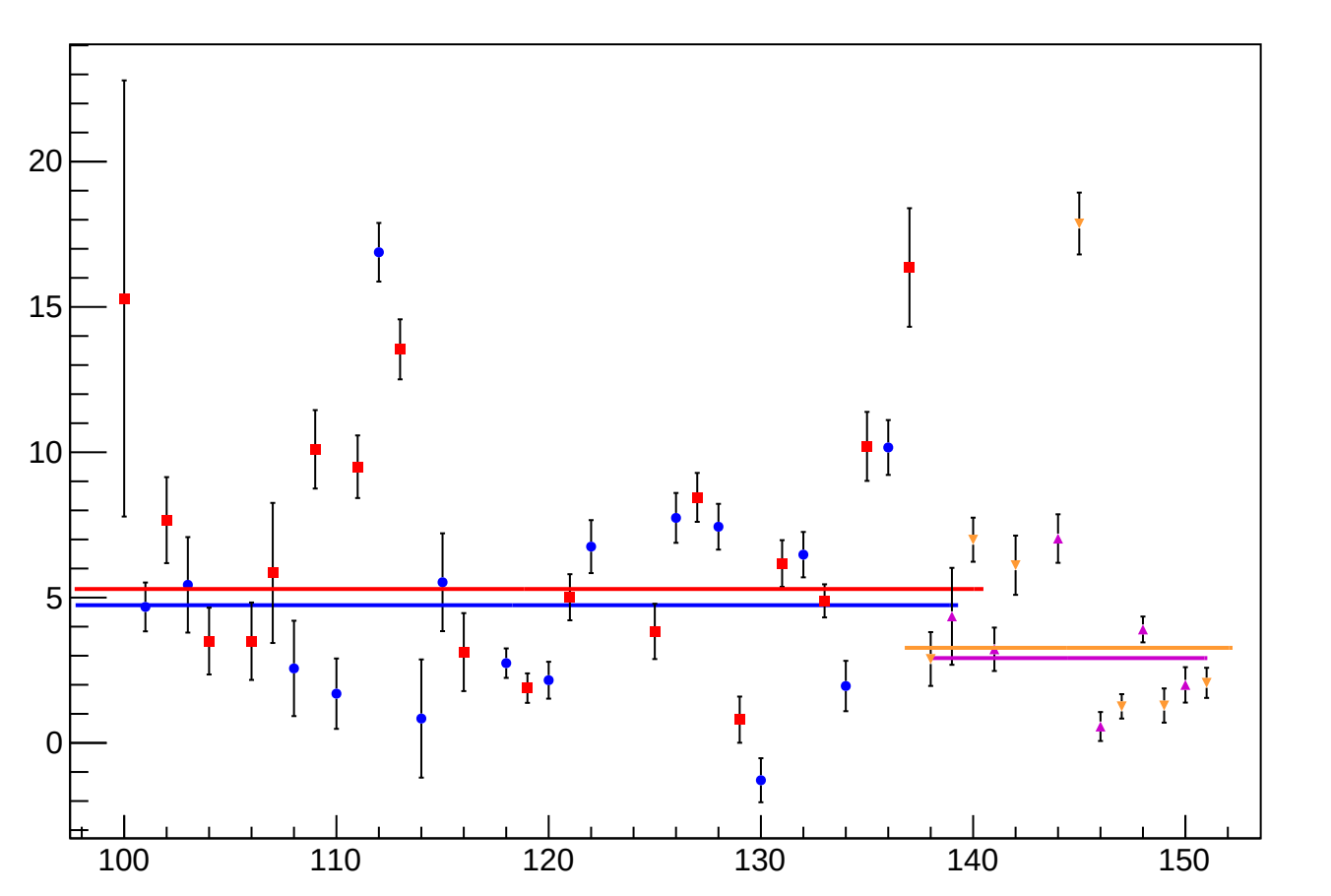
Left: -44.503+/-0.273 χ^2/NDF: 642.4/12

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

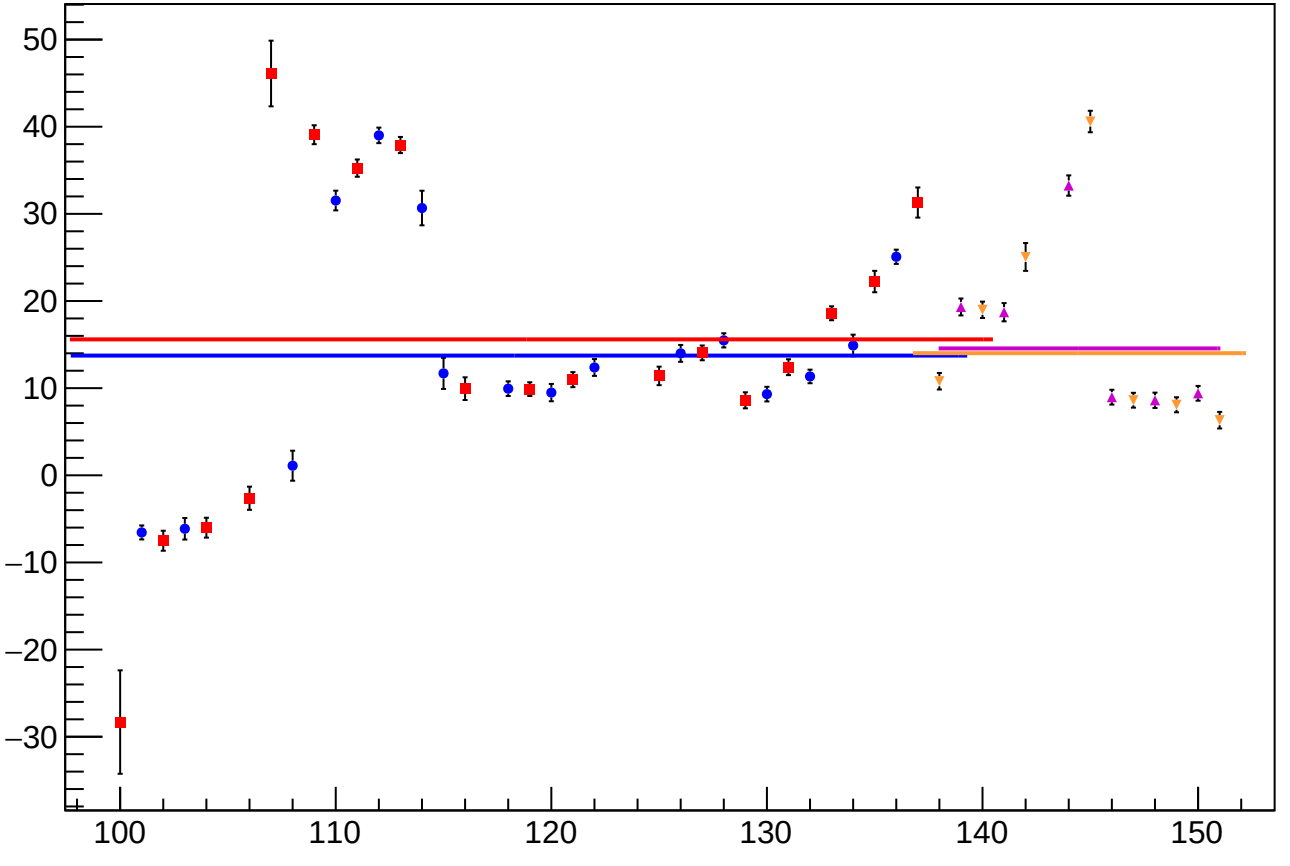
In: -35.887+/-0.191 χ^2/NDF:1852.1/21

Out: -36.270+/-0.187 χ^2/NDF:2200.6/24

All: -36.082+/-0.134 χ^2/NDF: 4054.7/46


reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
100
110
120
130
140
150
Right In: 4.738+/-0.219 χ²/NDF: 329.6/15
Left Out: 3.272+/-0.242 χ²/NDF:260.0/6
Right Out: 5.295+/-0.223 χ²/NDF: 245.0/17
Left In: 2.919+/-0.255 χ²/NDF:54.7/5
Left: 3.104+/-0.176 χ²/NDF: 315.7/12
Right: 5.012+/-0.156 χ²/NDF: 577.8/33
In: 3.965+/-0.166 χ²/NDF:413.5/21
Out: 4.366+/-0.164 χ²/NDF:542.8/24
All: 4.168+/-0.117 χ²/NDF: 959.2/46

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 14.015+/-0.374 χ^2/NDF:705.7/6

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 14.560+/-0.384 χ^2/NDF:422.0/5

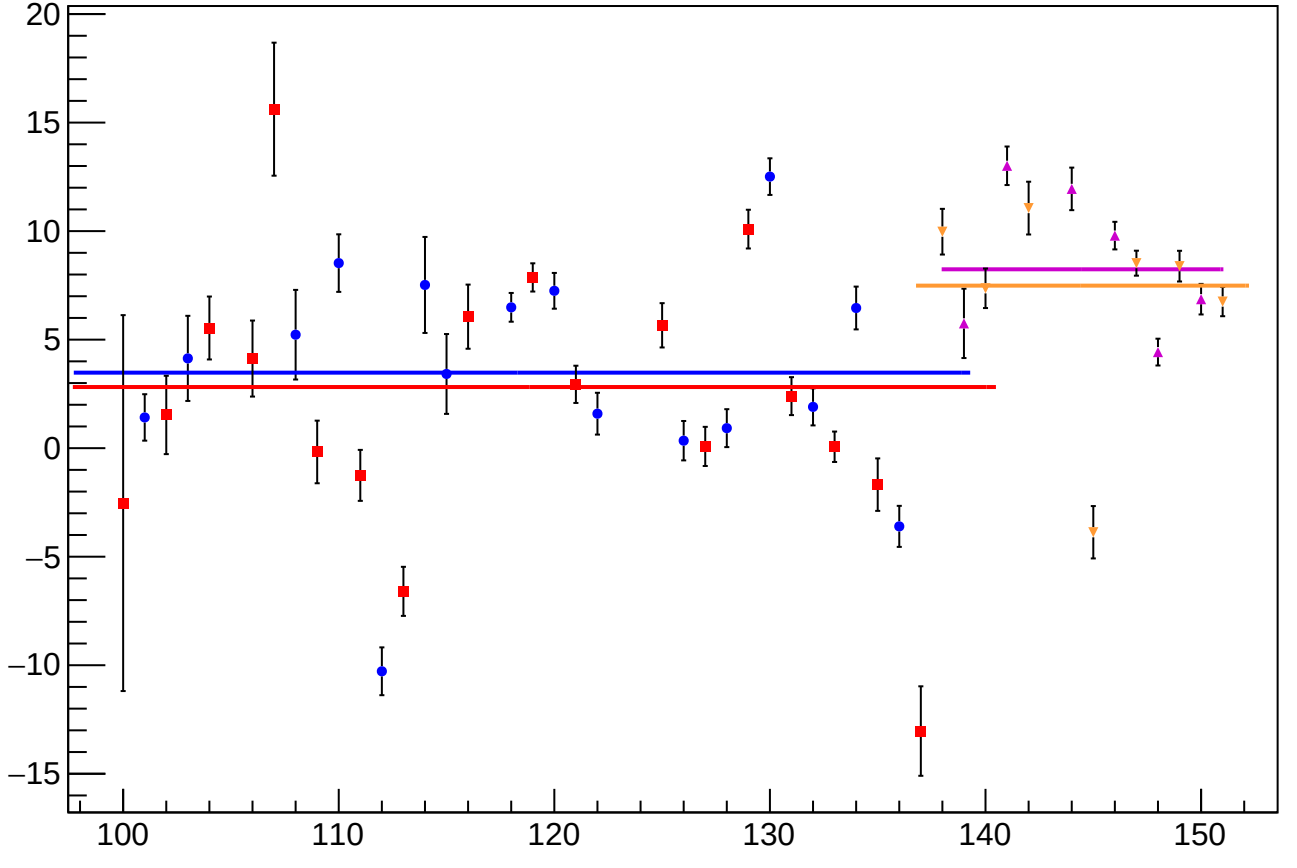
Left: 14.280+/-0.268 χ^2/NDF: 1128.6/12

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.978+/-0.208 χ^2/NDF:2775.0/21

Out: 15.111+/-0.208 χ^2/NDF:3544.3/24

All: 14.543+/-0.147 χ^2/NDF: 6334.2/46



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 7.488+/-0.306 χ^2/NDF:109.0/6

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 8.241+/-0.319 χ^2/NDF:93.6/5

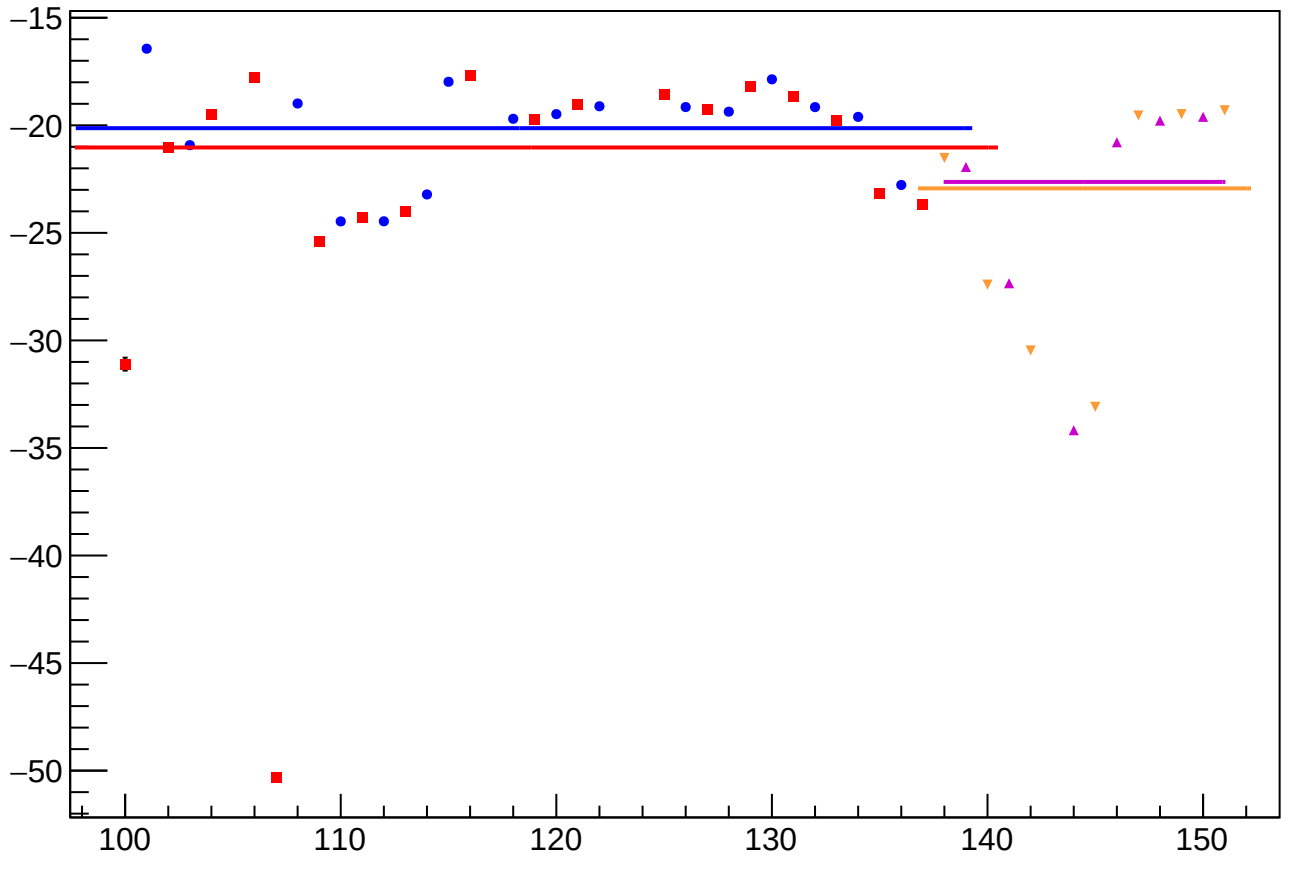
Left: 7.849+/-0.221 χ^2/NDF: 205.4/12

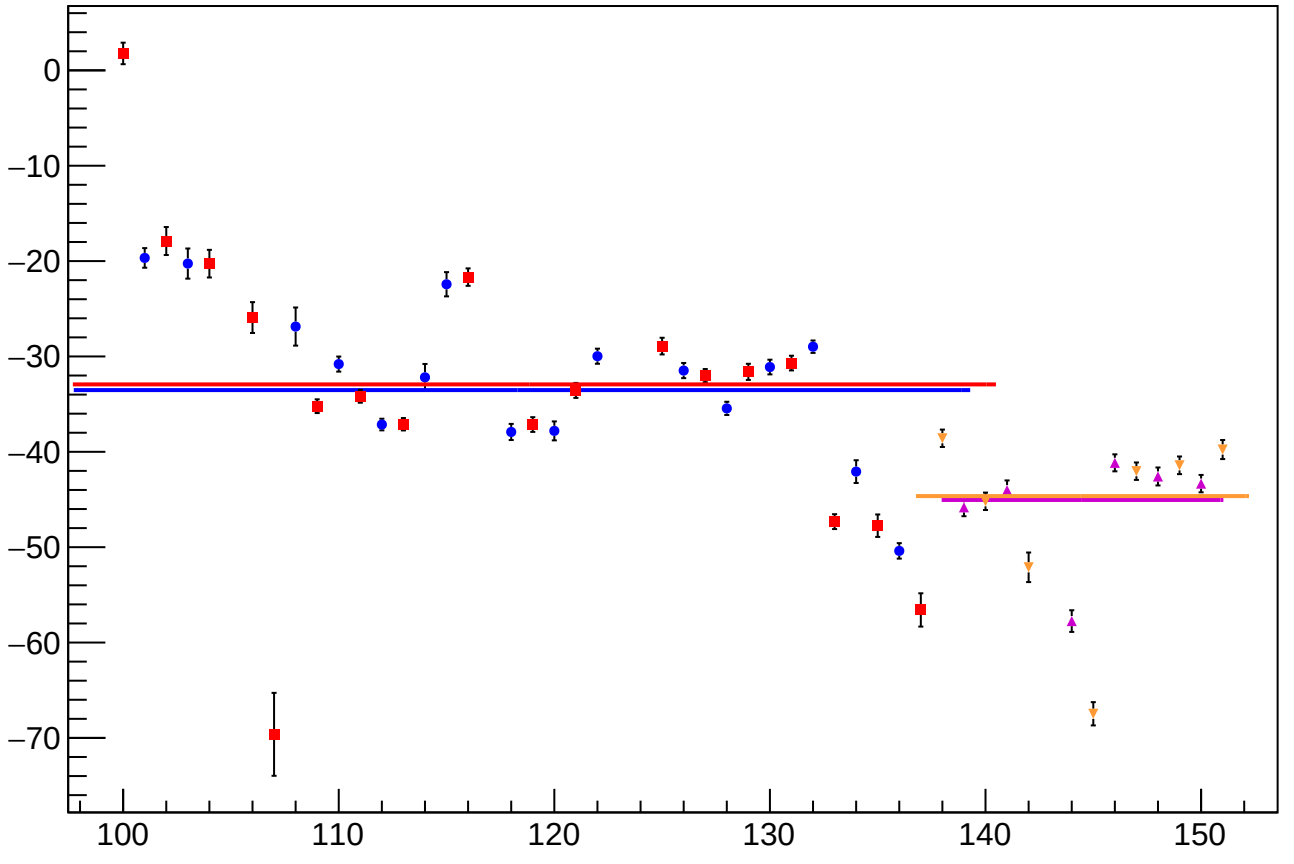
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

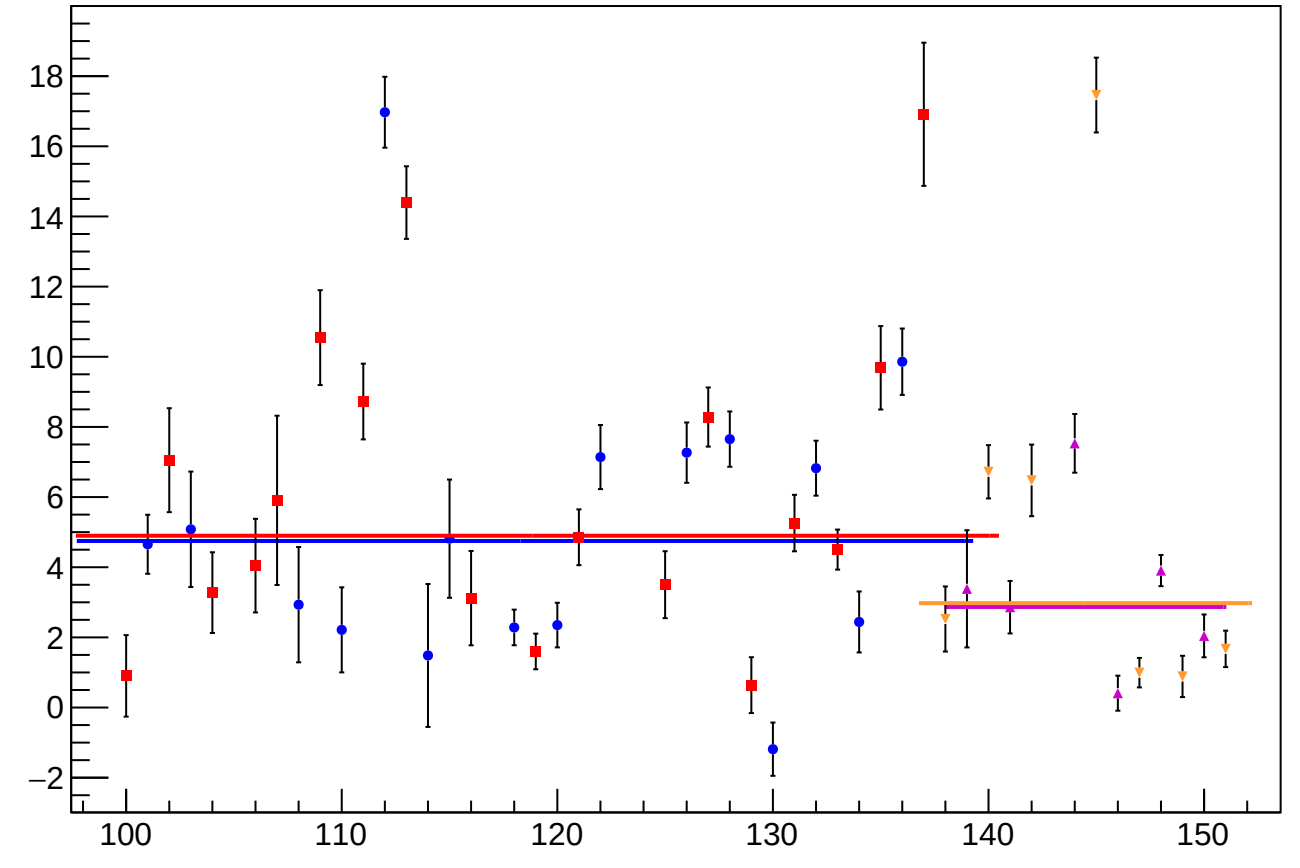
In: 5.323+/-0.199 χ^2/NDF:657.6/21

Out: 4.753+/-0.197 χ^2/NDF:590.9/24

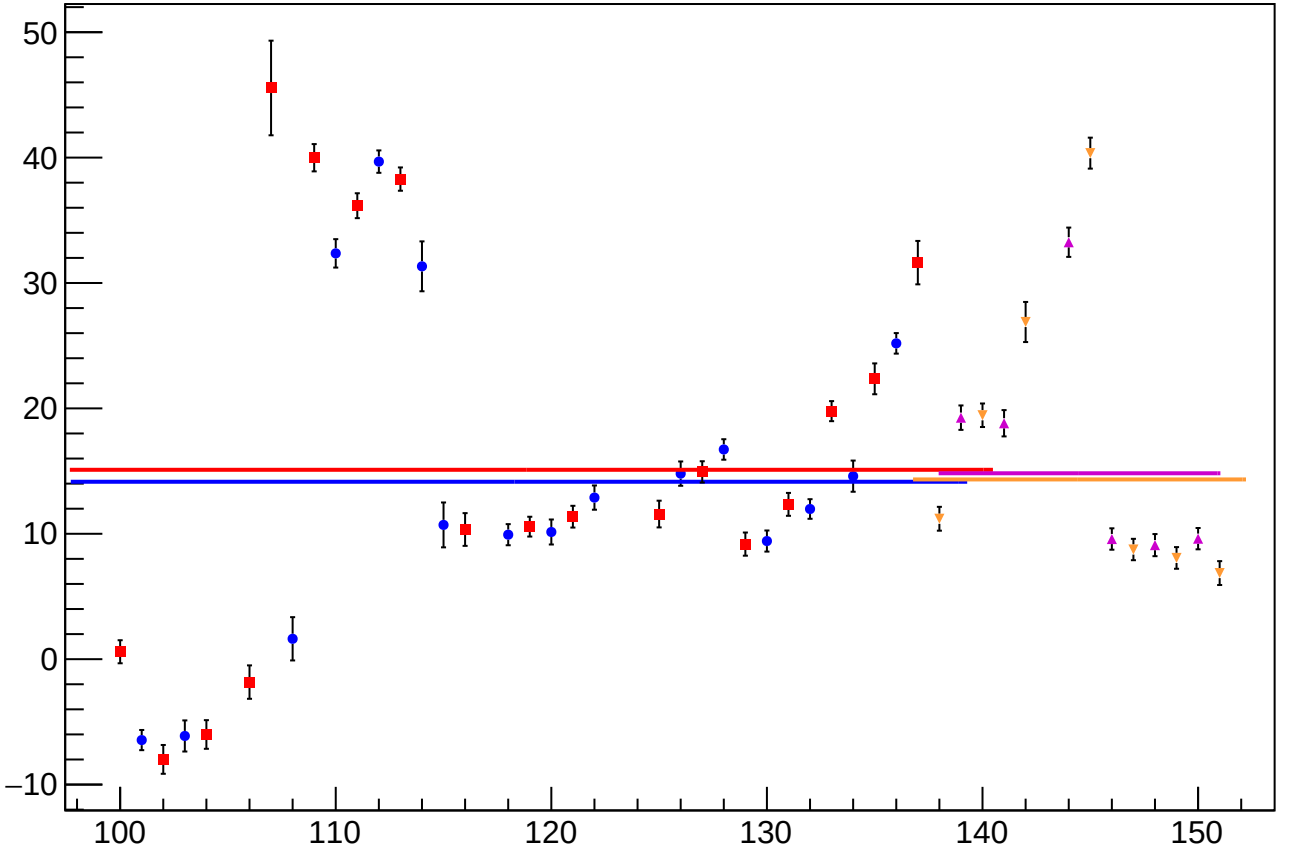
All: 5.035+/-0.140 χ^2/NDF: 1252.7/46


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
110
120
130
140
150
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -22.933+/-0.016 χ²/NDF:96337.5/6
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -22.632+/-0.016 χ²/NDF:77627.5/5
Left: -22.782+/-0.011 χ²/NDF: 174151.4/12
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -21.419+/-0.011 χ²/NDF:109985.4/21
Out: -22.033+/-0.011 χ²/NDF:160906.4/24
All: -21.722+/-0.008 χ²/NDF: 272386.4/46


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -44.644+/-0.382 χ²/NDF:462.0/6
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -45.050+/-0.393 χ²/NDF:156.2/5
Left: -44.841+/-0.274 χ²/NDF: 618.8/12
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.247+/-0.191 χ²/NDF:1821.4/21
Out: -35.683+/-0.185 χ²/NDF:3352.1/24
All: -35.956+/-0.133 χ²/NDF: 5178.0/46


reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
−2
100
110
120
130
140
150
Right In: 4.748+/-0.220 χ²/NDF: 325.7/15
Left Out: 2.976+/-0.243 χ²/NDF:261.8/6
Right Out: 4.898+/-0.220 χ²/NDF: 273.1/17
Left In: 2.868+/-0.255 χ²/NDF:62.7/5
Left: 2.925+/-0.176 χ²/NDF: 324.6/12
Right: 4.823+/-0.155 χ²/NDF: 599.0/33
In: 3.949+/-0.167 χ²/NDF:419.6/21
Out: 4.032+/-0.163 χ²/NDF:569.3/24
All: 3.991+/-0.116 χ²/NDF: 989.0/46

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 14.333+/-0.375 χ^2/NDF:703.2/6

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 14.826+/-0.385 χ^2/NDF:401.3/5

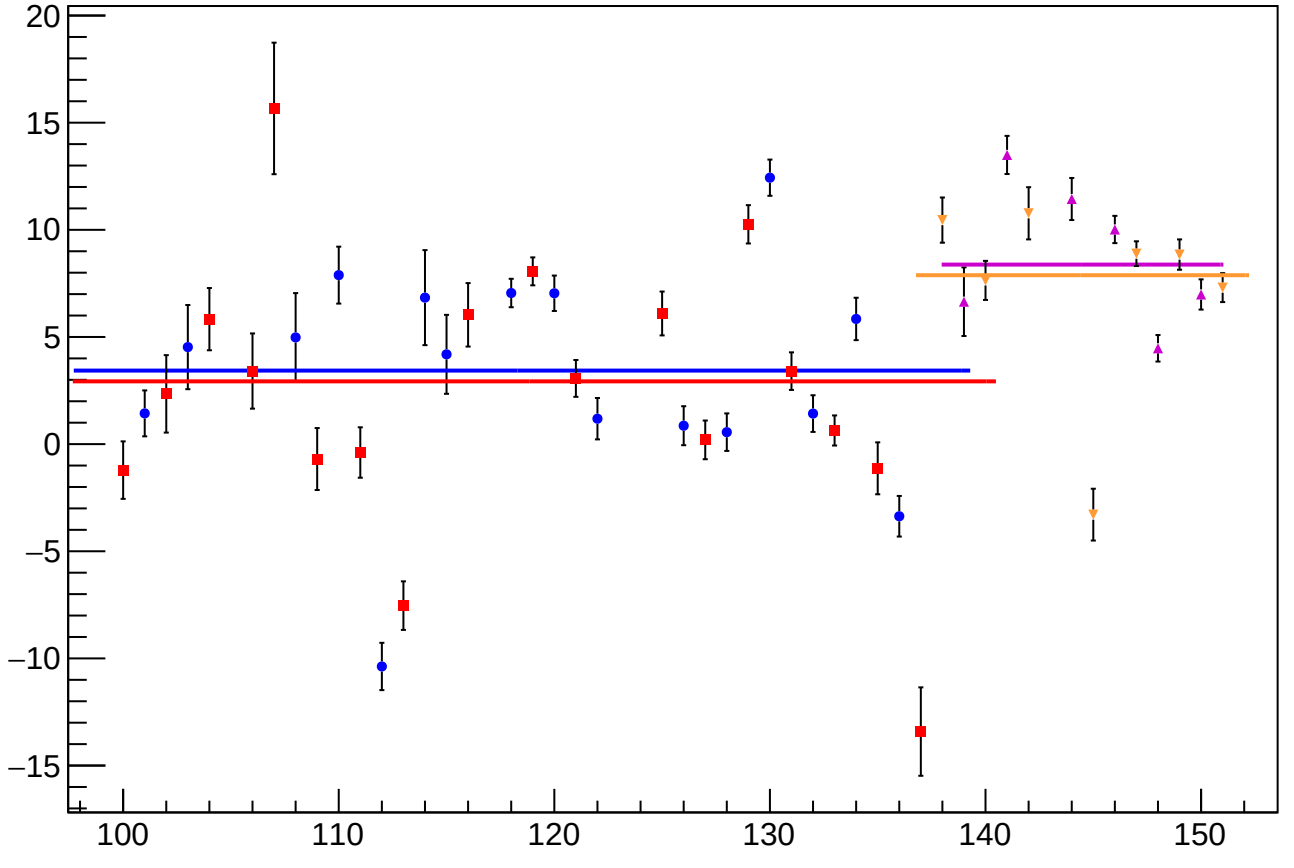
Left: 14.573+/-0.269 χ^2/NDF: 1105.3/12

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.346+/-0.208 χ^2/NDF:2805.8/21

Out: 14.877+/-0.203 χ^2/NDF:3808.5/24

All: 14.618+/-0.145 χ^2/NDF: 6617.6/46



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 7.883+/-0.306 χ^2/NDF:102.7/6

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 8.378+/-0.320 χ^2/NDF:94.4/5

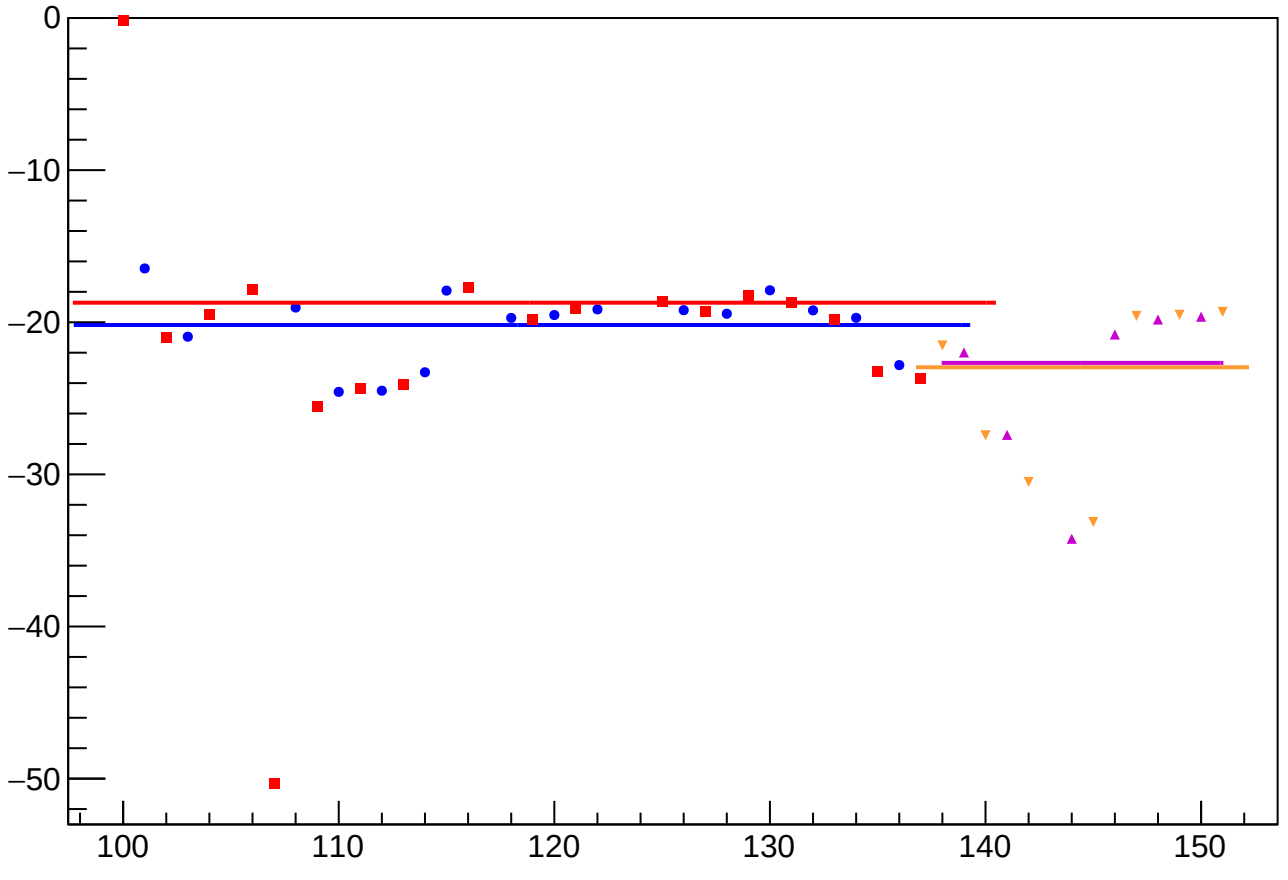
Left: 8.120+/-0.221 χ^2/NDF: 198.3/12

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 5.348+/-0.199 χ^2/NDF:665.0/21

Out: 4.941+/-0.195 χ^2/NDF:625.7/24

All: 5.140+/-0.139 χ^2/NDF: 1292.8/46



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.959+/-0.016 χ^2/NDF:96153.3/6

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -22.671+/-0.016 χ^2/NDF:77744.7/5

Left: -22.815+/-0.011 χ^2/NDF: 174067.8/12

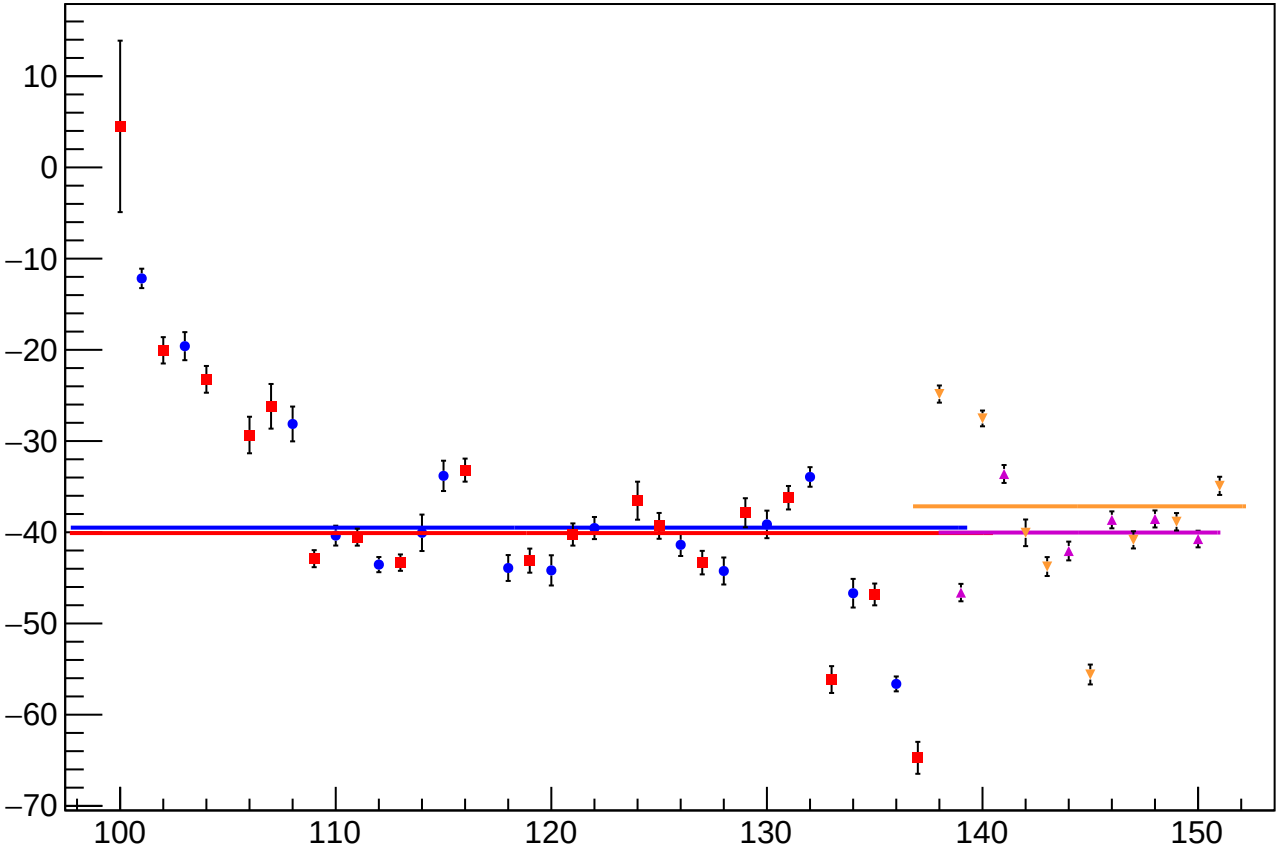
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.462+/-0.011 χ^2/NDF:109991.5/21

Out: -20.830+/-0.011 χ^2/NDF:367884.1/24

All: -21.141+/-0.008 χ^2/NDF: 479496.6/46

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -37.157+/-0.355 χ^2/NDF:650.2/7

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -40.032+/-0.390 χ^2/NDF:99.5/5

Left: -38.460+/-0.262 χ^2/NDF: 779.5/13

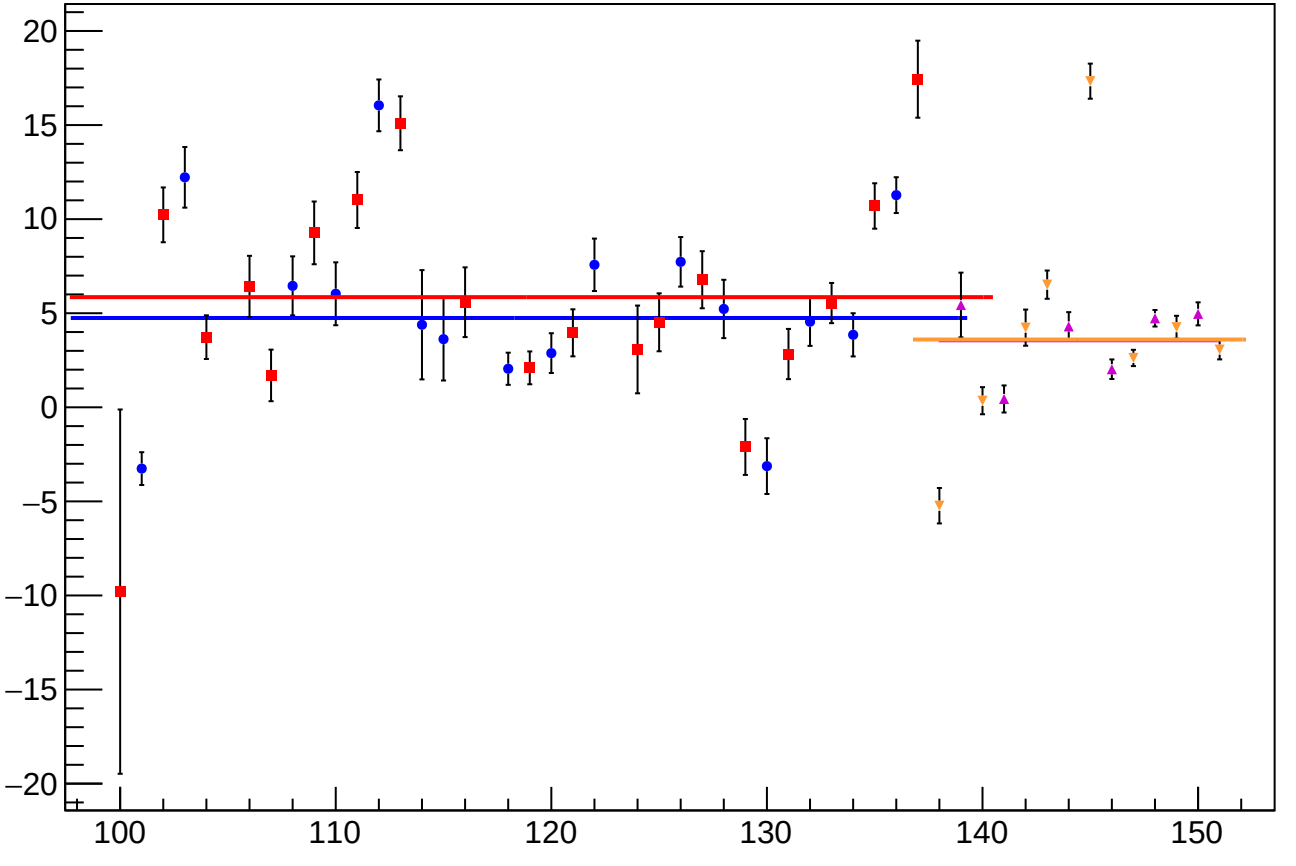
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.702+/-0.243 χ^2/NDF:1517.7/21

Out: -38.834+/-0.232 χ^2/NDF:1524.2/26

All: -39.248+/-0.168 χ^2/NDF: 3048.6/48

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 3.602+/-0.231 χ^2/NDF:348.0/7

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 3.563+/-0.254 χ^2/NDF:42.0/5

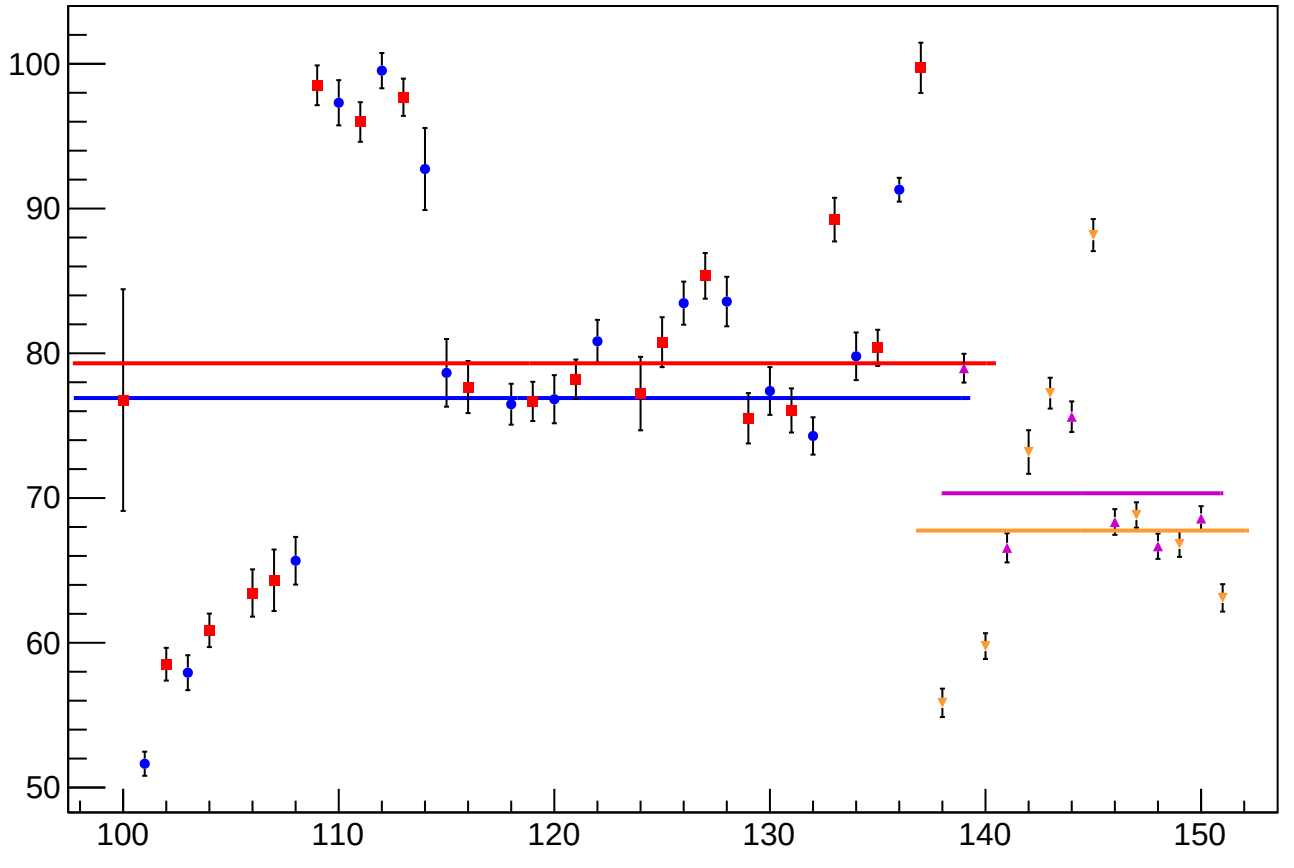
Left: 3.584+/-0.171 χ^2/NDF: 390.1/13

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 4.027+/-0.198 χ^2/NDF:324.4/21

Out: 4.360+/-0.188 χ^2/NDF:567.7/26

All: 4.202+/-0.136 χ^2/NDF: 893.6/48



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.752+/-0.351 χ^2/NDF:686.0/7

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 70.331+/-0.382 χ^2/NDF:141.0/5

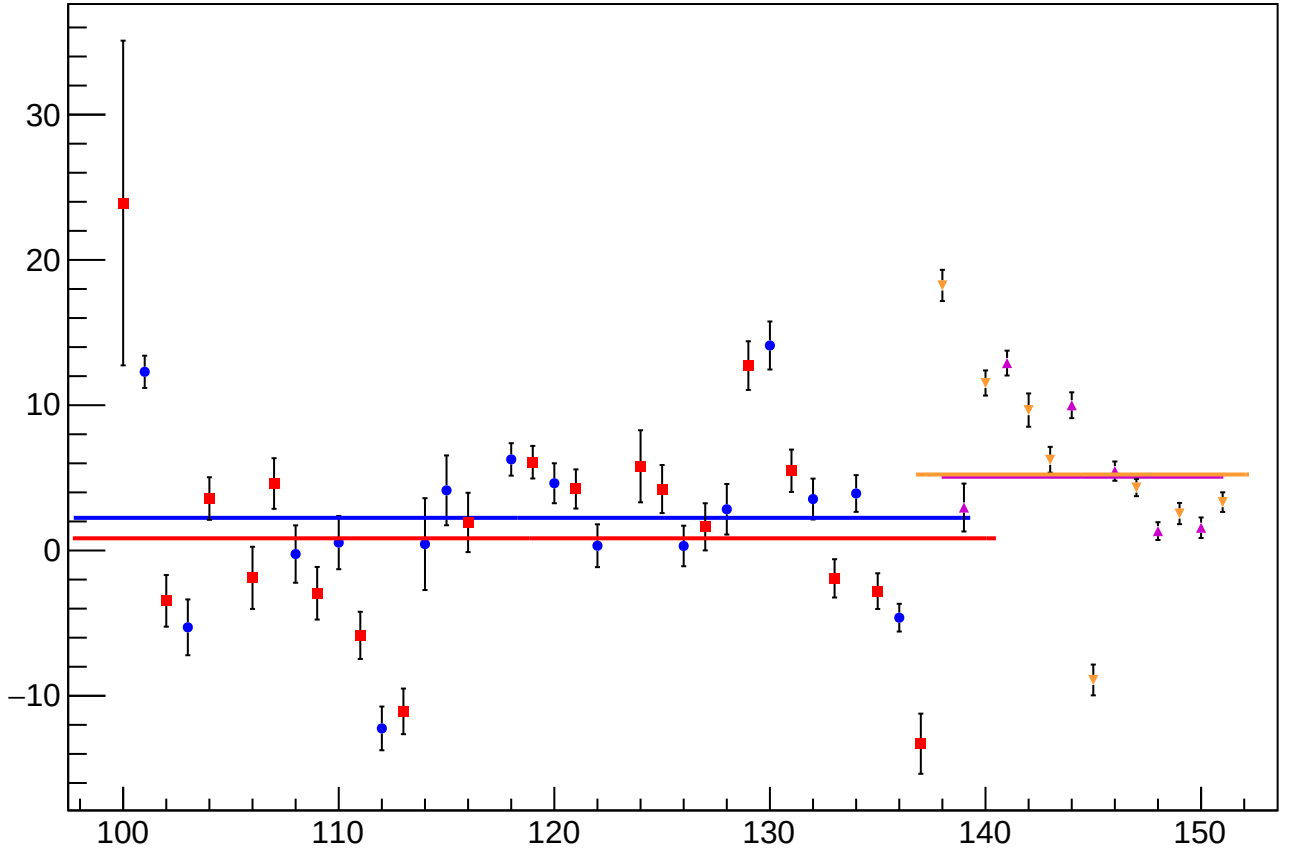
Left: 68.932+/-0.259 χ^2/NDF: 851.7/13

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 74.034+/-0.253 χ^2/NDF:2423.7/21

Out: 73.588+/-0.247 χ^2/NDF:2729.1/26

All: 73.806+/-0.177 χ^2/NDF: 5154.3/48



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.232+/-0.288 χ^2/NDF:417.6/7

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 5.078+/-0.317 χ^2/NDF:178.3/5

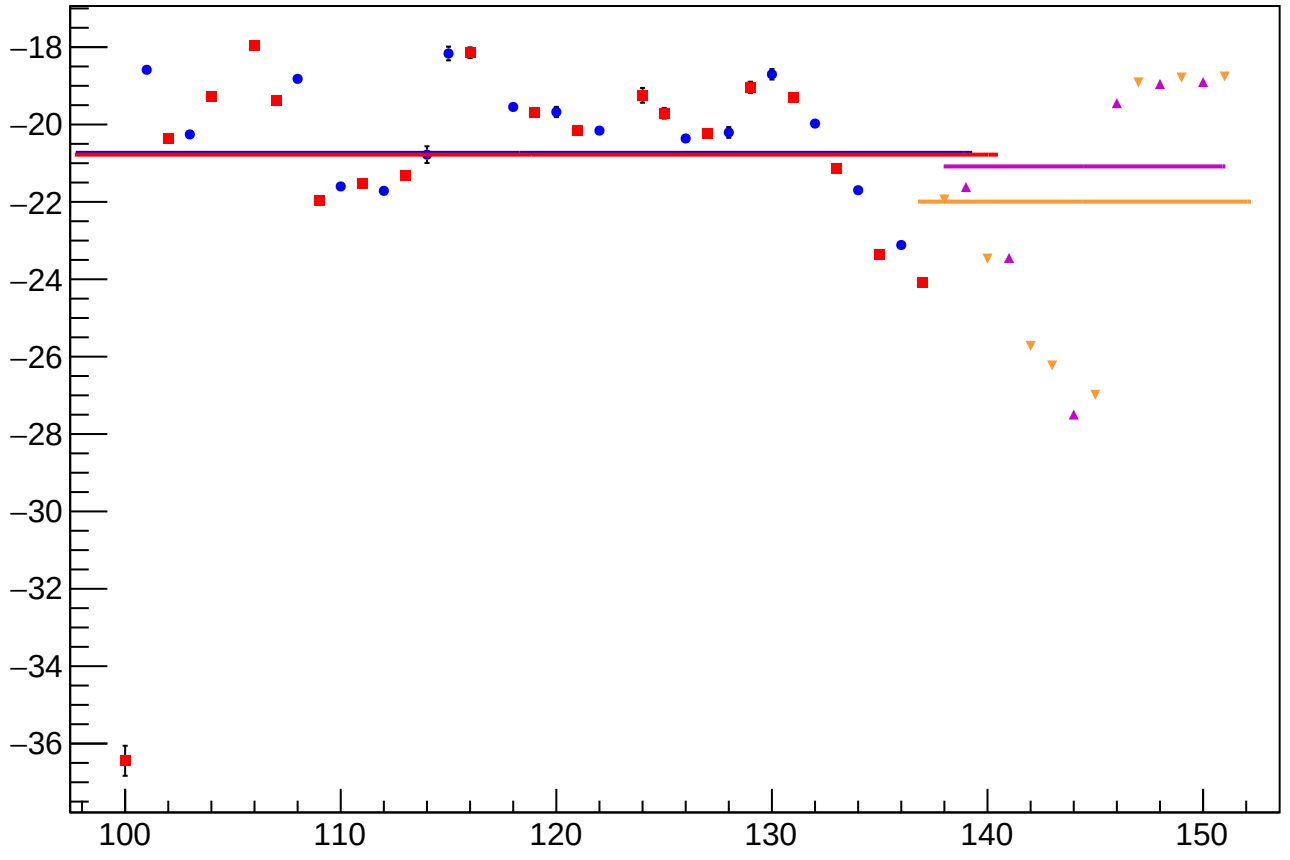
Left: 5.162+/-0.213 χ^2/NDF: 596.1/13

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 3.853+/-0.239 χ^2/NDF:532.4/21

Out: 3.584+/-0.228 χ^2/NDF:760.9/26

All: 3.712+/-0.165 χ^2/NDF: 1294.0/48



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.993+/-0.015 χ^2/NDF:48228.7/7

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -21.083+/-0.016 χ^2/NDF:31252.4/5

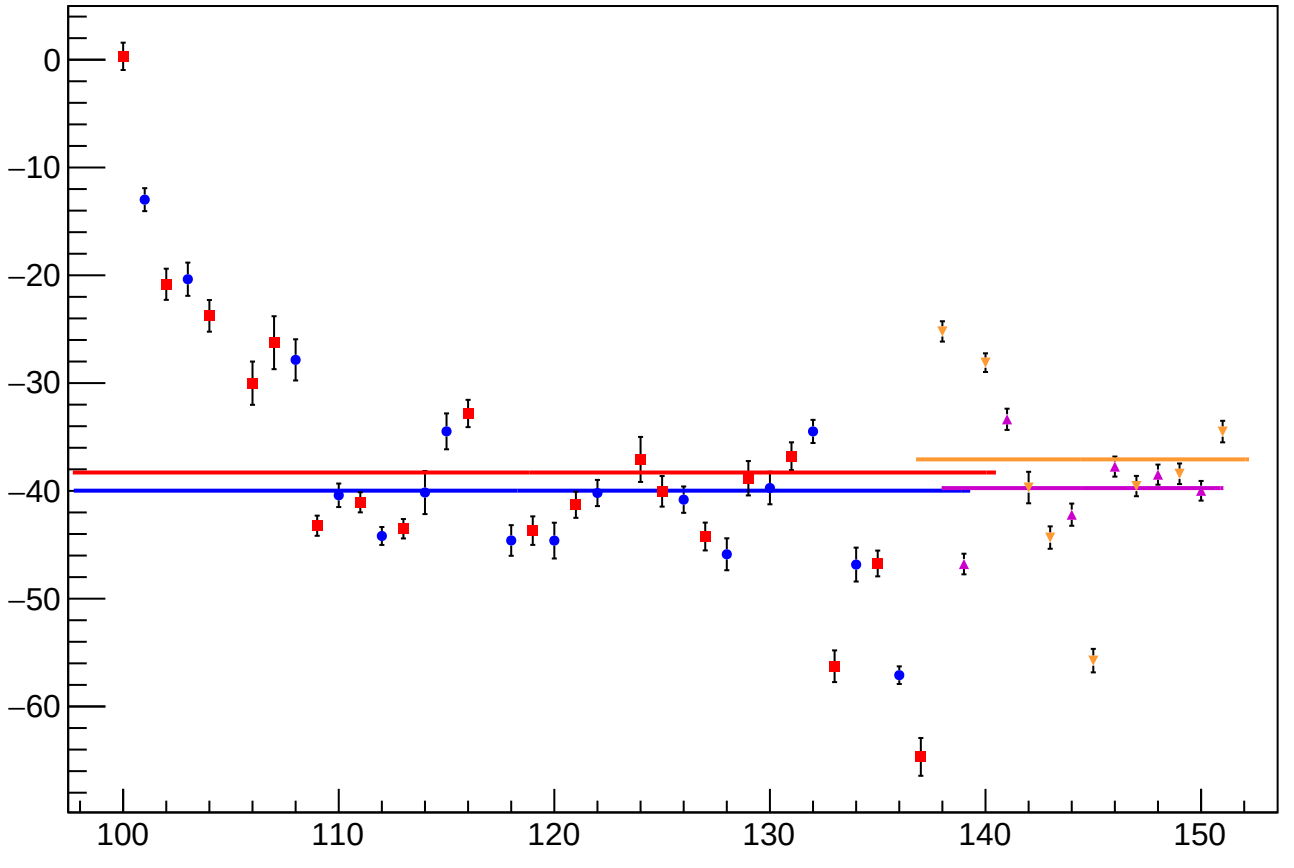
Left: -21.565+/-0.011 χ^2/NDF: 81299.3/13

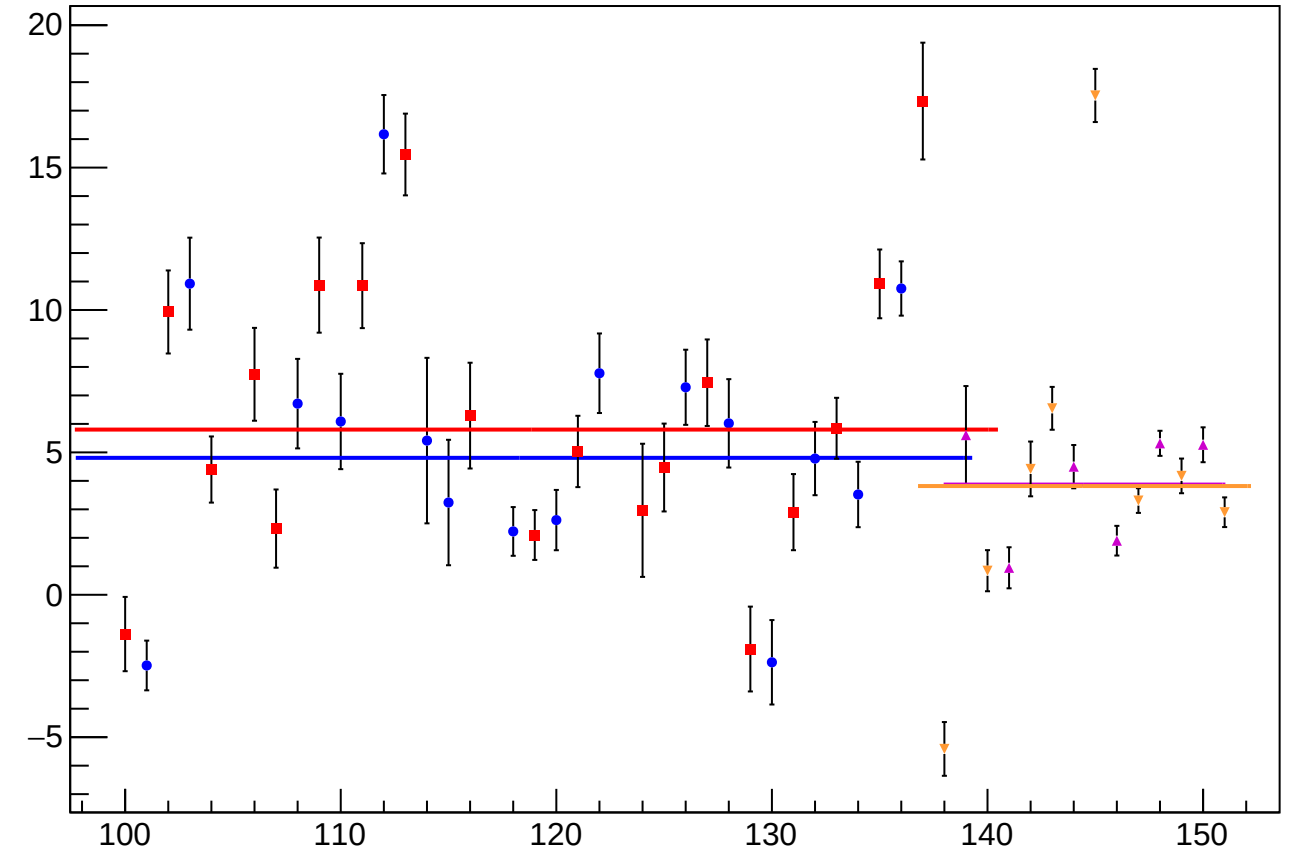
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

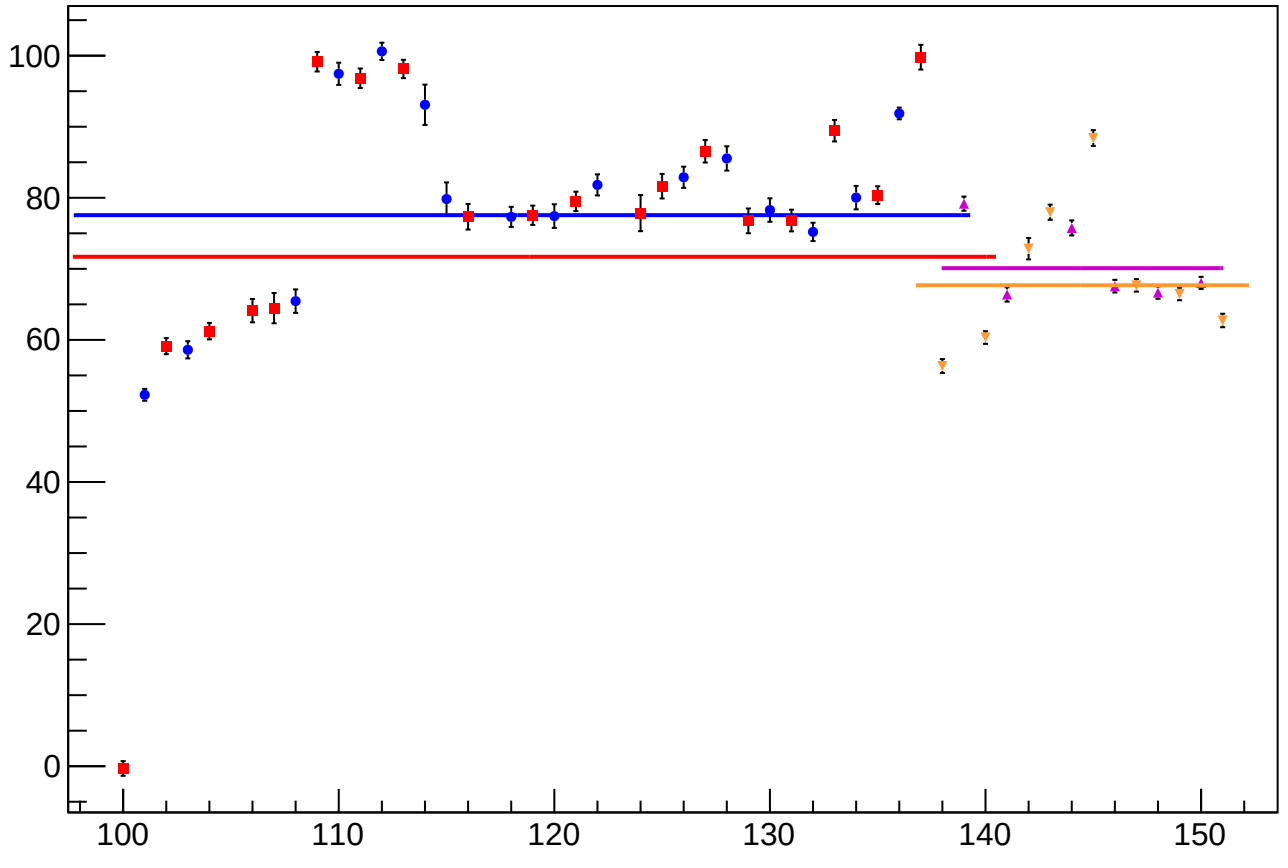
In: -20.947+/-0.012 χ^2/NDF:39085.7/21

Out: -21.575+/-0.012 χ^2/NDF:60027.9/26

All: -21.268+/-0.008 χ^2/NDF: 100485.7/48


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -37.077+/-0.355 χ²/NDF:626.8/7
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -39.741+/-0.390 χ²/NDF:108.4/5
Left: -38.284+/-0.263 χ²/NDF: 760.7/13
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -39.887+/-0.243 χ²/NDF:1507.0/21
Out: -37.790+/-0.229 χ²/NDF:2407.4/26
All: -38.774+/-0.167 χ²/NDF: 3953.9/48


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 3.818+/-0.231 χ²/NDF:346.9/7
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 3.870+/-0.254 χ²/NDF:48.5/5
Left: 3.841+/-0.171 χ²/NDF: 395.4/13
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 4.238+/-0.198 χ²/NDF:294.3/21
Out: 4.512+/-0.186 χ²/NDF:589.1/26
All: 4.383+/-0.136 χ²/NDF: 884.4/48



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.694+/-0.352 χ^2/NDF:684.2/7

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 70.094+/-0.383 χ^2/NDF:154.2/5

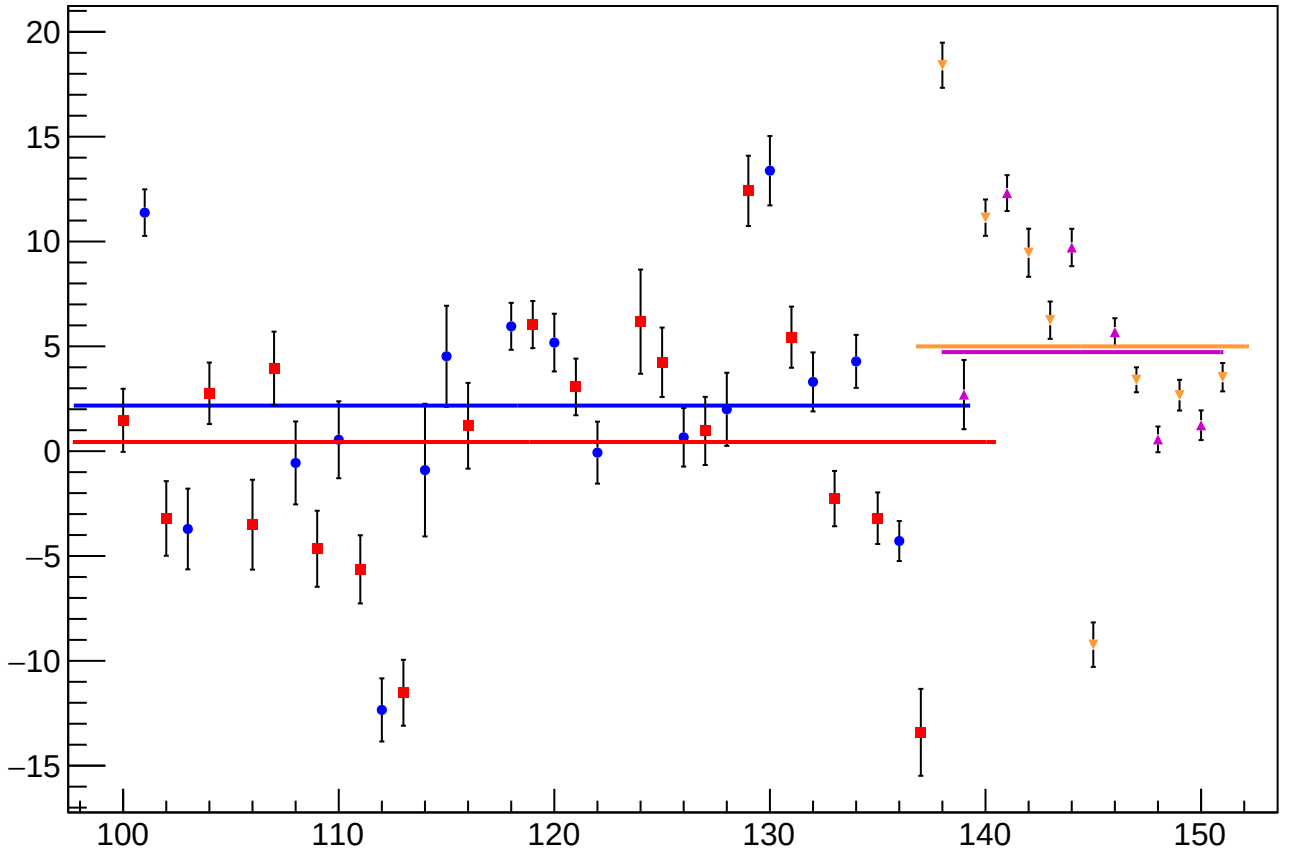
Left: 68.792+/-0.259 χ^2/NDF: 859.7/13

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 74.295+/-0.253 χ^2/NDF:2486.1/21

Out: 69.822+/-0.241 χ^2/NDF:7656.6/26

All: 71.947+/-0.175 χ^2/NDF: 10306.5/48



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 4.999+/-0.289 χ^2/NDF:424.2/7

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 4.725+/-0.318 χ^2/NDF:183.7/5

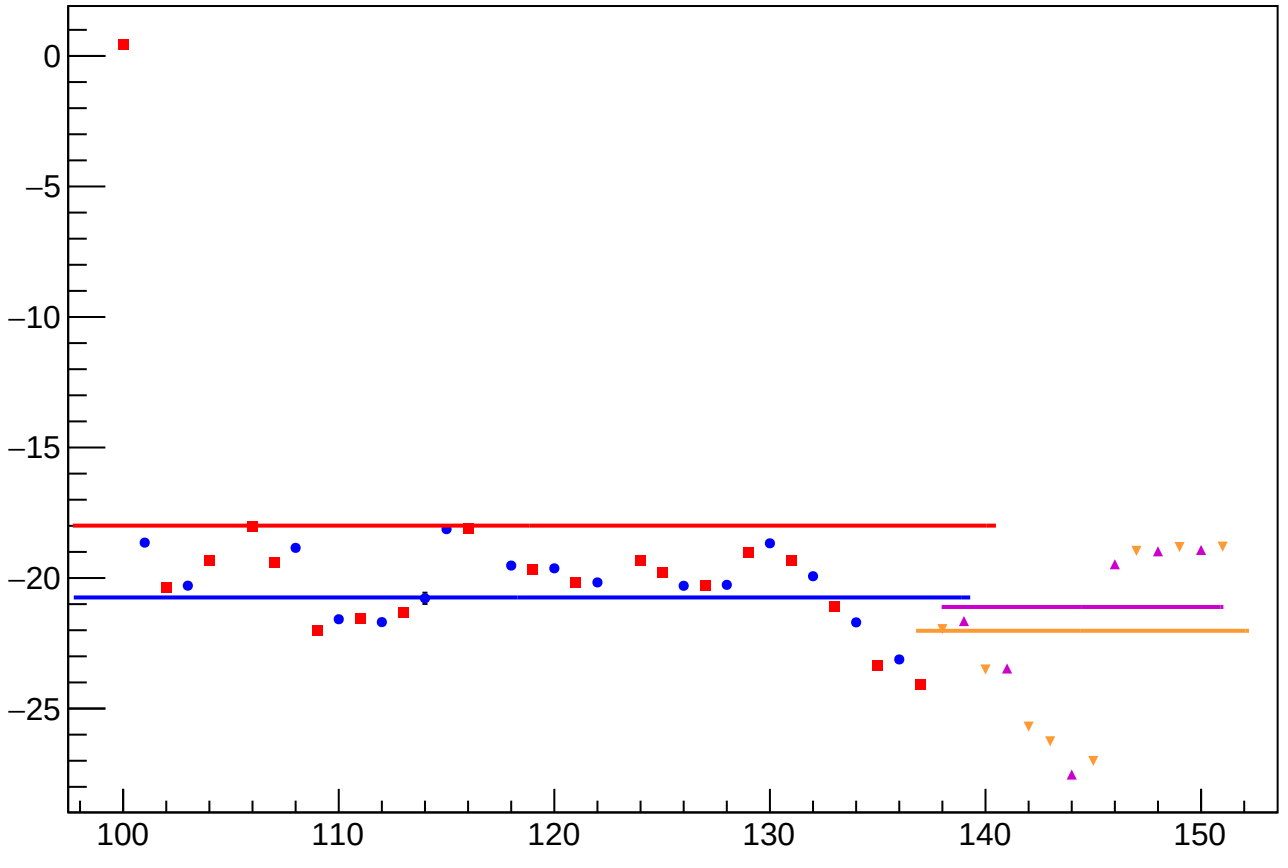
Left: 4.875+/-0.214 χ^2/NDF: 608.3/13

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 3.621+/-0.239 χ^2/NDF:501.9/21

Out: 3.224+/-0.226 χ^2/NDF:775.4/26

All: 3.411+/-0.164 χ^2/NDF: 1278.7/48



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -22.021+/-0.015 χ^2/NDF:47830.7/7

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -21.109+/-0.016 χ^2/NDF:31195.9/5

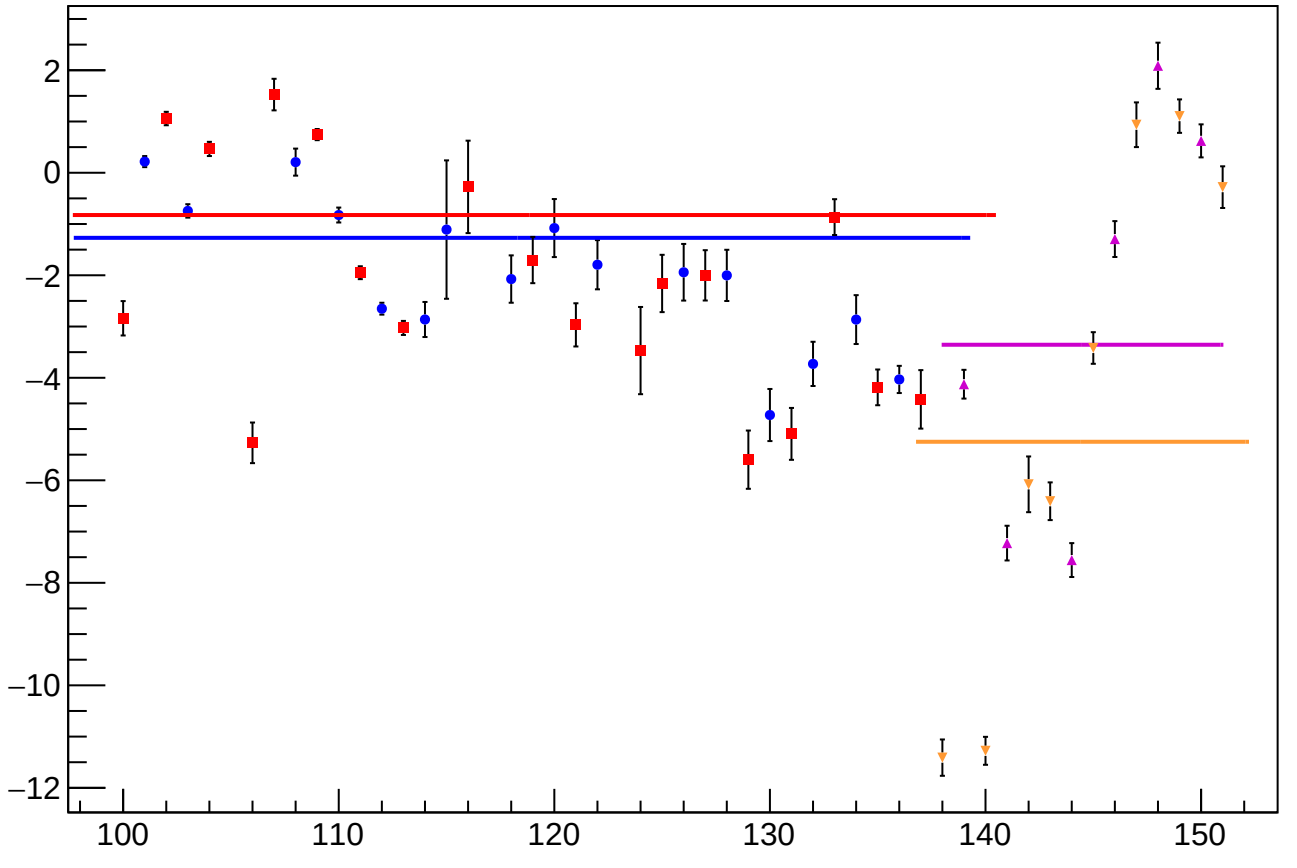
Left: -21.592+/-0.011 χ^2/NDF: 80849.1/13

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -20.967+/-0.012 χ^2/NDF:38923.4/21

Out: -20.506+/-0.012 χ^2/NDF:226813.6/26

All: -20.725+/-0.008 χ^2/NDF: 266491.2/48



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.248+/-0.126 χ^2/NDF:1567.8/7

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -3.356+/-0.137 χ^2/NDF:632.6/5

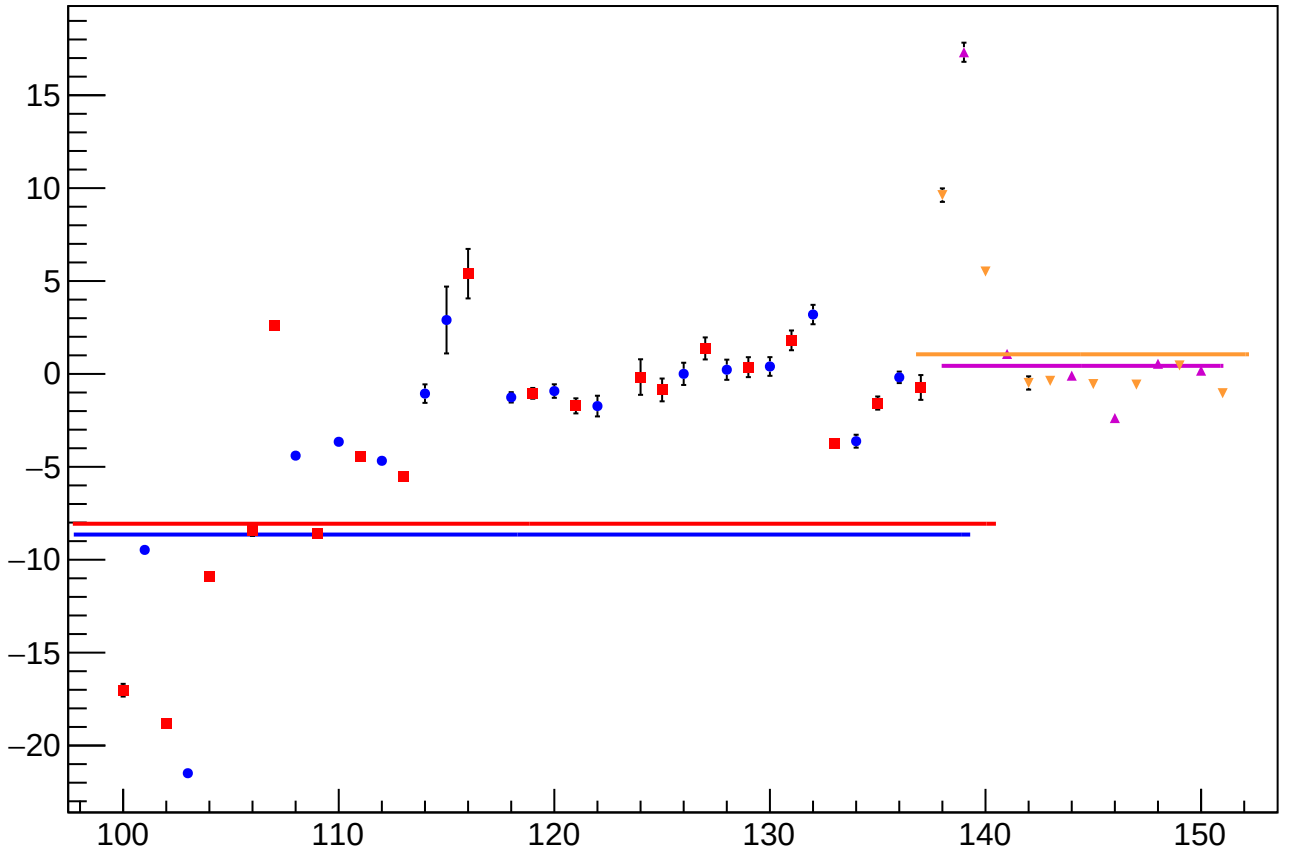
Left: -4.384+/-0.093 χ^2/NDF: 2304.2/13

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.555+/-0.051 χ^2/NDF:1449.3/21

Out: -1.452+/-0.047 χ^2/NDF:4016.5/26

All: -1.500+/-0.035 χ^2/NDF: 5468.0/48



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.057+/-0.088 χ^2/NDF:1173.8/7

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.435+/-0.100 χ^2/NDF:1260.7/5

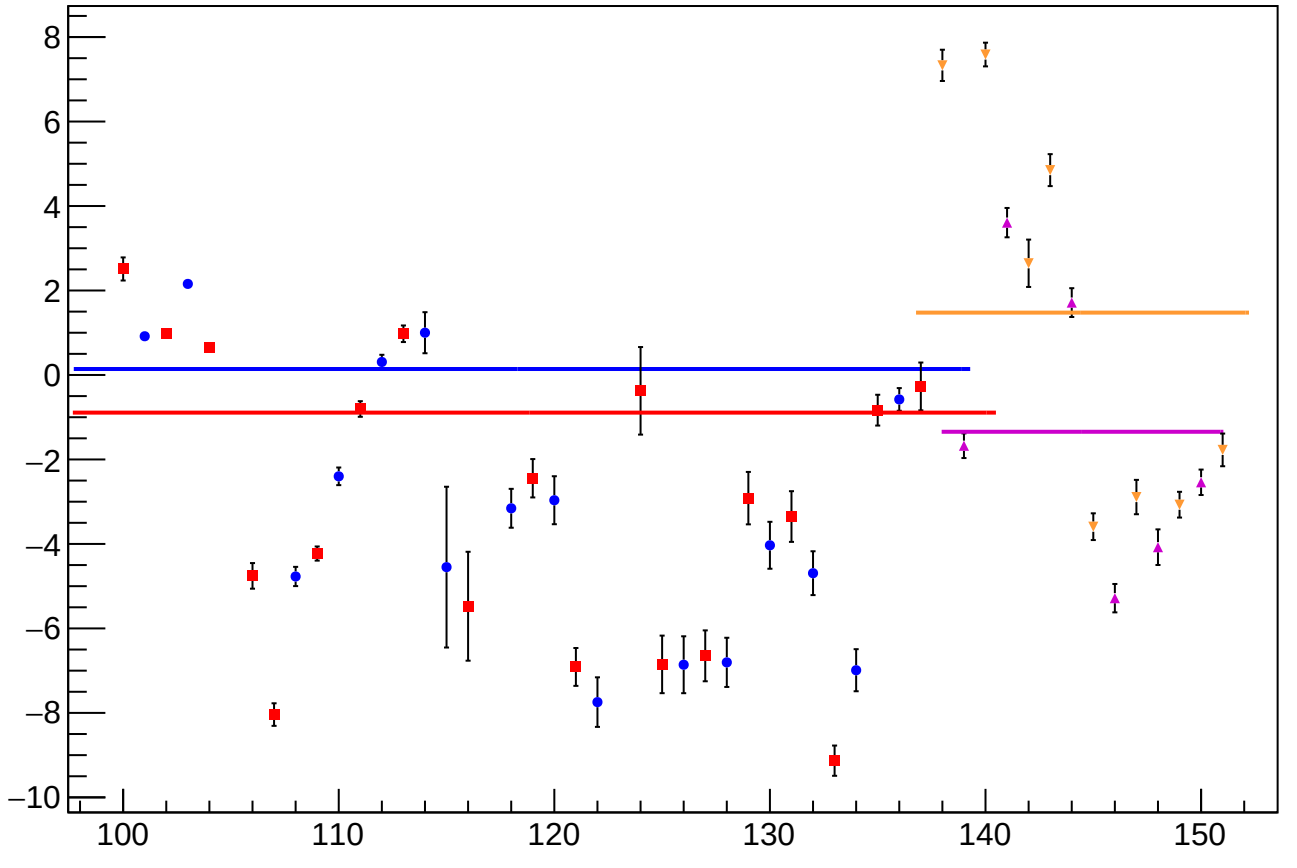
Left: 0.784+/-0.066 χ^2/NDF: 2456.4/13

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -6.406+/-0.049 χ^2/NDF:21358.4/21

Out: -5.329+/-0.048 χ^2/NDF:23141.5/26

All: -5.853+/-0.034 χ^2/NDF: 44743.8/48



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.476+/-0.125 χ^2/NDF:1472.9/7

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -1.345+/-0.136 χ^2/NDF:480.1/5

Left: 0.179+/-0.092 χ^2/NDF: 2185.8/13

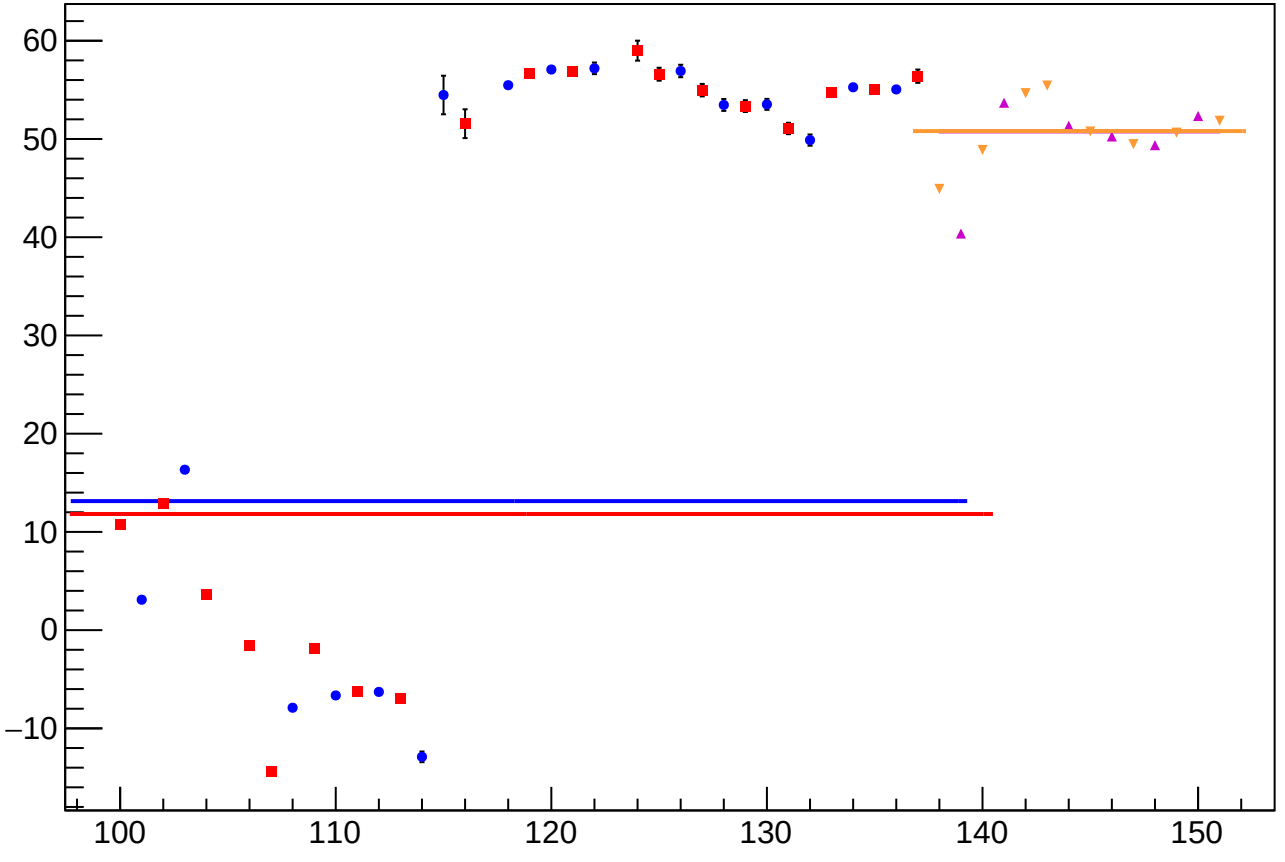
Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: -0.054+/-0.049 χ^2/NDF:2543.7/21

Out: -0.525+/-0.049 χ^2/NDF:4760.1/26

All: -0.290+/-0.035 χ^2/NDF: 7349.3/48

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.805+/-0.107 χ^2/NDF:586.9/7

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.772+/-0.120 χ^2/NDF:608.0/5

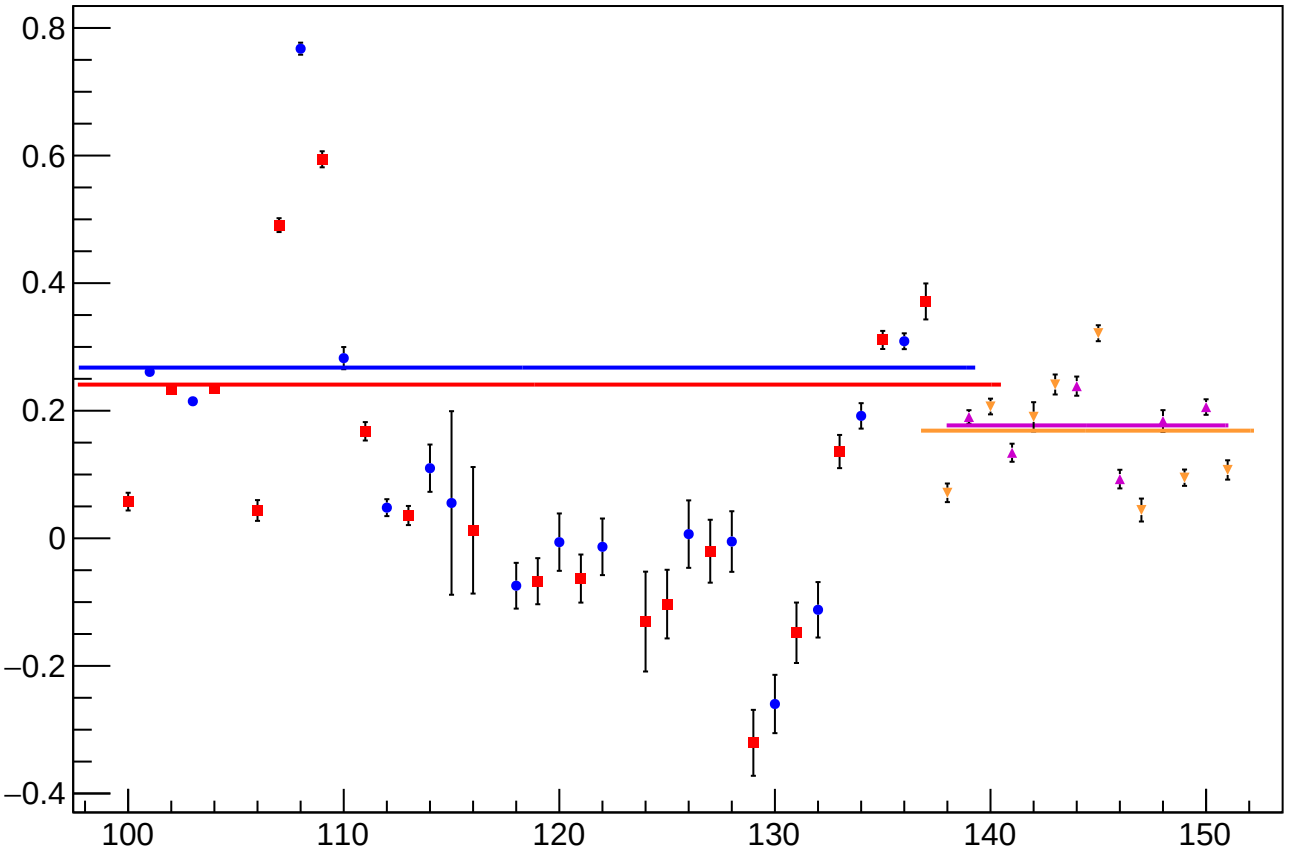
Left: 50.790+/-0.080 χ^2/NDF: 1194.9/13

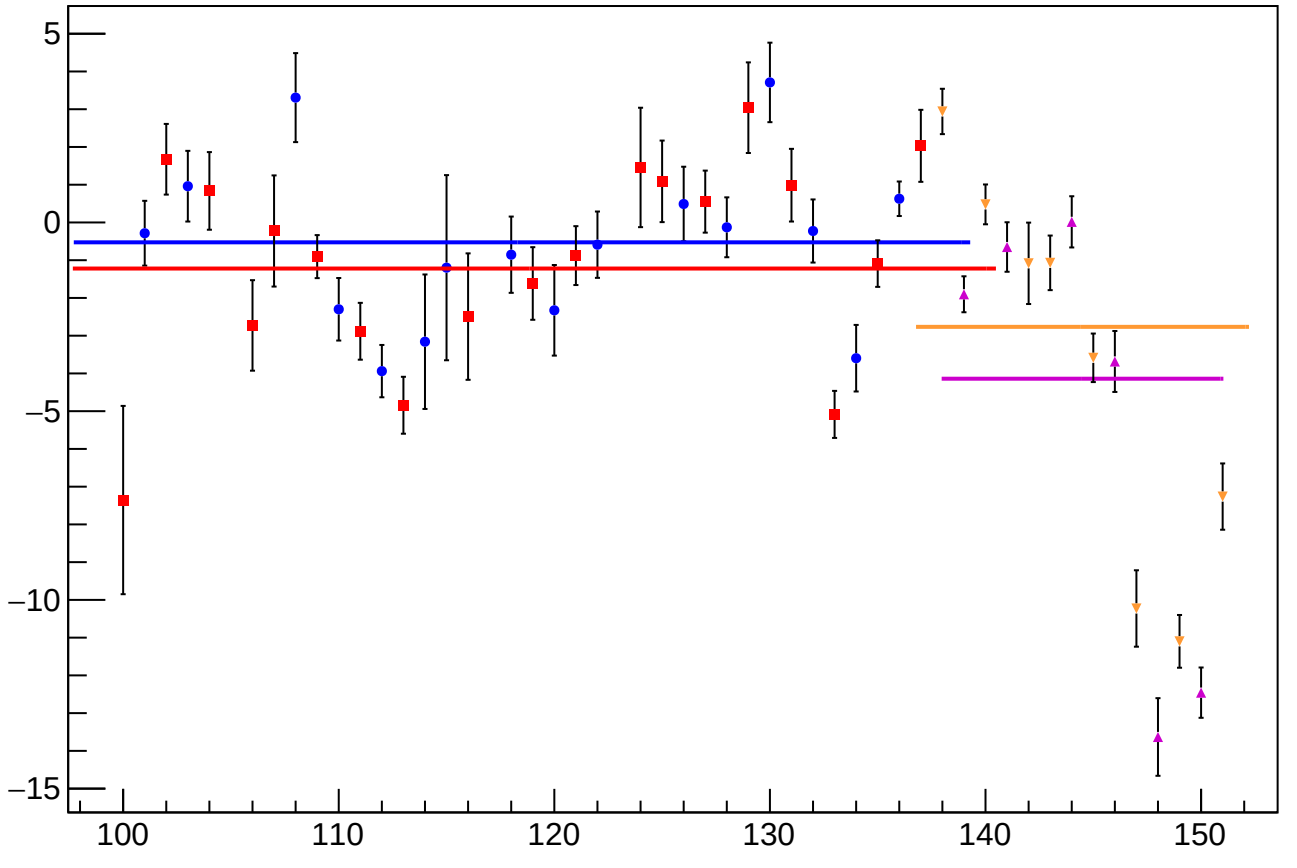
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 22.253+/-0.059 χ^2/NDF:183510.8/21

Out: 22.975+/-0.057 χ^2/NDF:213198.7/26

All: 22.625+/-0.041 χ^2/NDF: 396786.4/48


reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.268+/-0.003 χ²/NDF: 3720.4/15
Left Out: 0.169+/-0.005 χ²/NDF:323.0/7
Right Out: 0.241+/-0.003 χ²/NDF: 2339.2/18
Left In: 0.177+/-0.005 χ²/NDF:66.4/5
Left: 0.173+/-0.004 χ²/NDF: 390.6/13
Right: 0.254+/-0.002 χ²/NDF: 6105.9/34
In: 0.249+/-0.002 χ²/NDF:4003.4/21
Out: 0.225+/-0.002 χ²/NDF:2813.6/26
All: 0.237+/-0.002 χ²/NDF: 6864.0/48



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.766+/-0.251 χ^2/NDF:360.3/7

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -4.140+/-0.271 χ^2/NDF:329.2/5

Left: -3.401+/-0.184 χ^2/NDF: 703.3/13

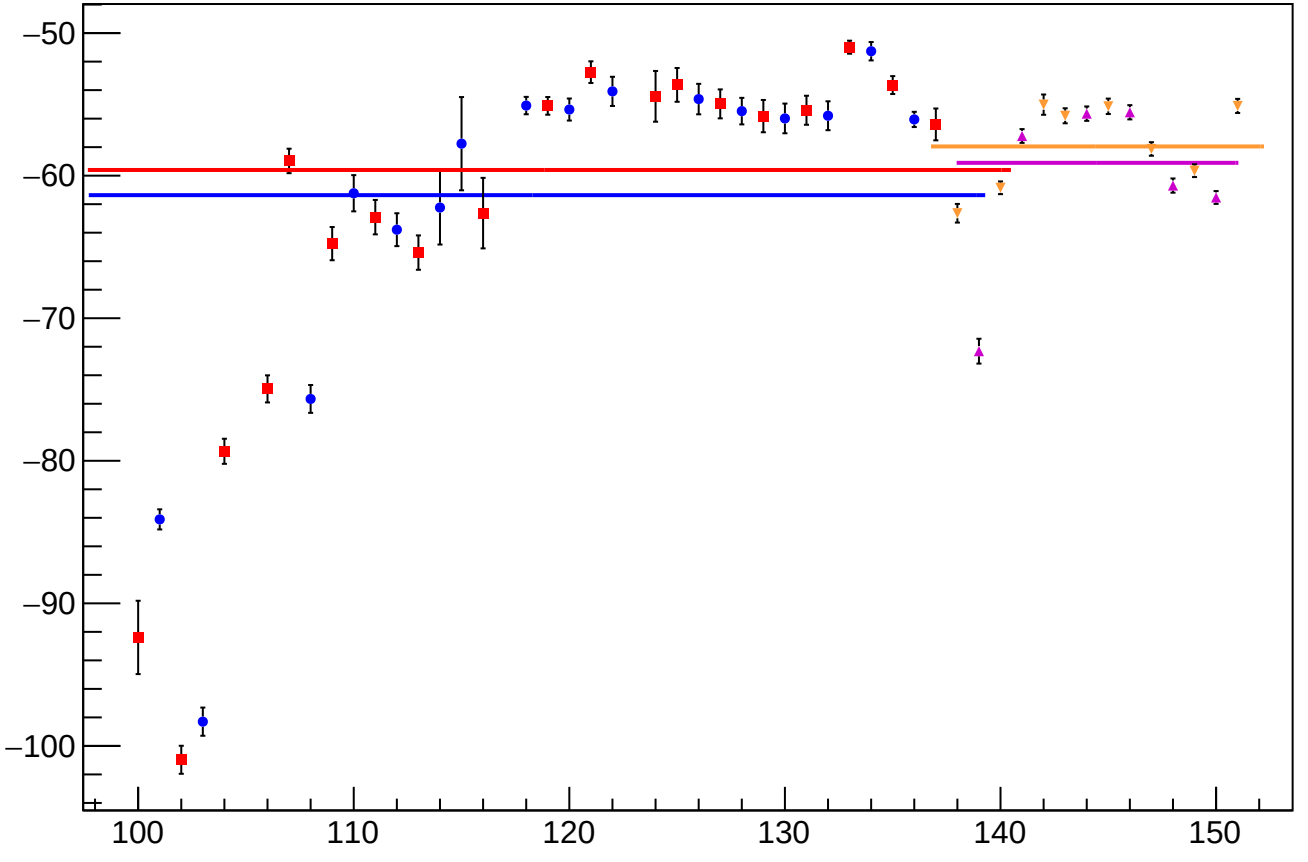
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.940+/-0.169 χ^2/NDF:520.3/21

Out: -1.838+/-0.159 χ^2/NDF:514.0/26

All: -1.885+/-0.116 χ^2/NDF: 1034.5/48

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -57.951+/-0.183 χ^2/NDF:201.5/7

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -59.100+/-0.211 χ^2/NDF:381.4/5

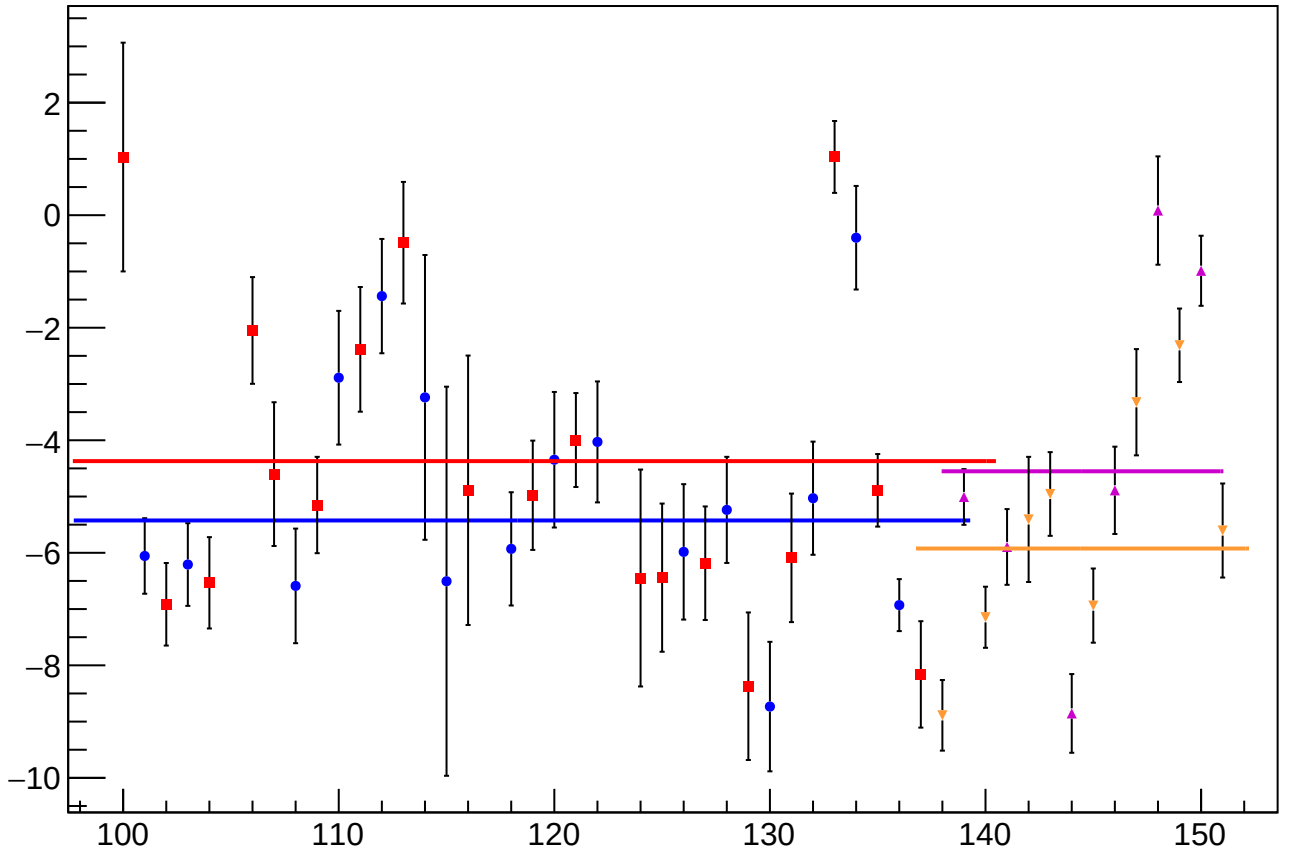
Left: -58.445+/-0.138 χ^2/NDF: 599.8/13

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -60.192+/-0.152 χ^2/NDF:3788.2/21

Out: -58.677+/-0.137 χ^2/NDF:3658.5/26

All: -59.357+/-0.102 χ^2/NDF: 7501.4/48



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -5.924+/-0.252 χ^2/NDF:70.0/7

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -4.551+/-0.271 χ^2/NDF:98.8/5

Left: -5.287+/-0.184 χ^2/NDF: 182.6/13

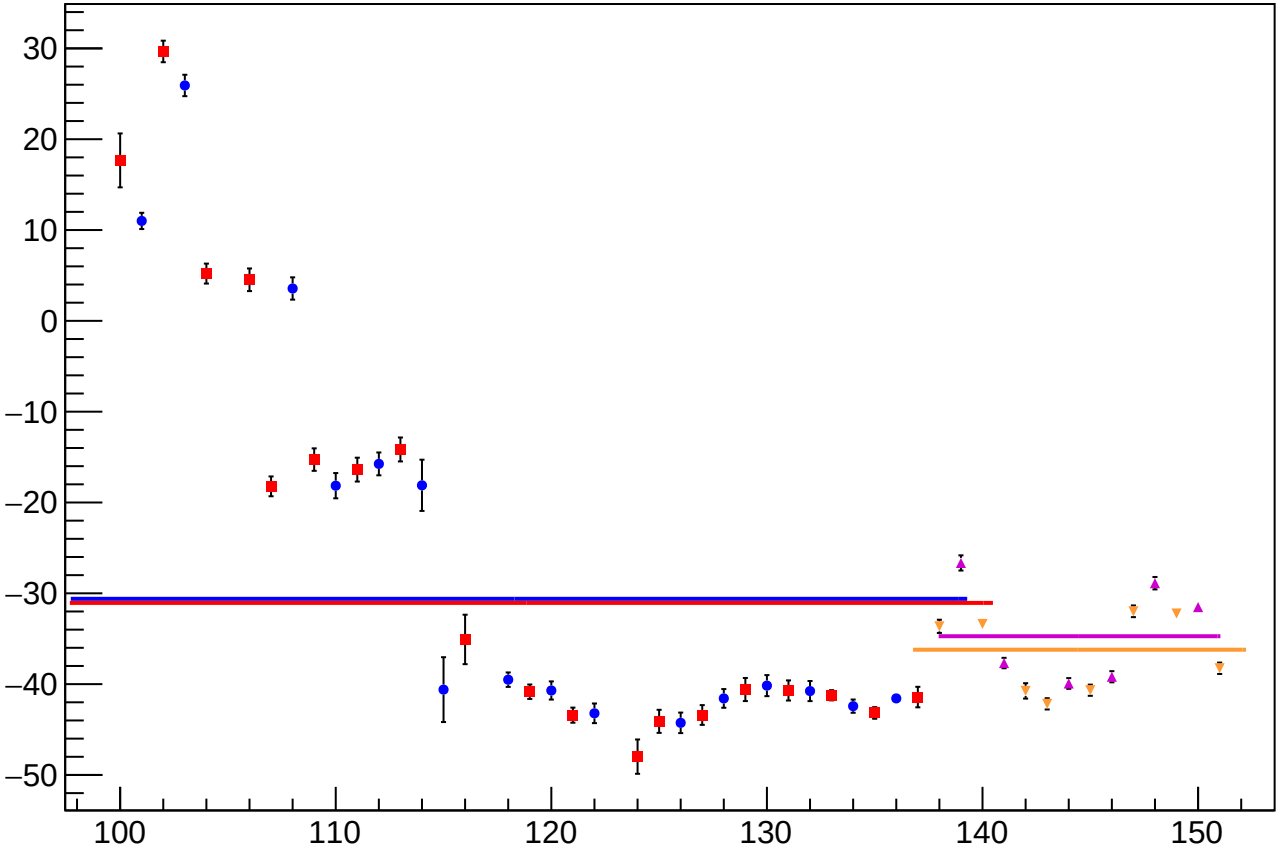
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.059+/-0.175 χ^2/NDF:180.8/21

Out: -5.051+/-0.167 χ^2/NDF:247.9/26

All: -5.055+/-0.121 χ^2/NDF: 428.7/48

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: -36.211+/-0.221 χ^2/NDF:322.3/7

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -34.725+/-0.251 χ^2/NDF:361.2/5

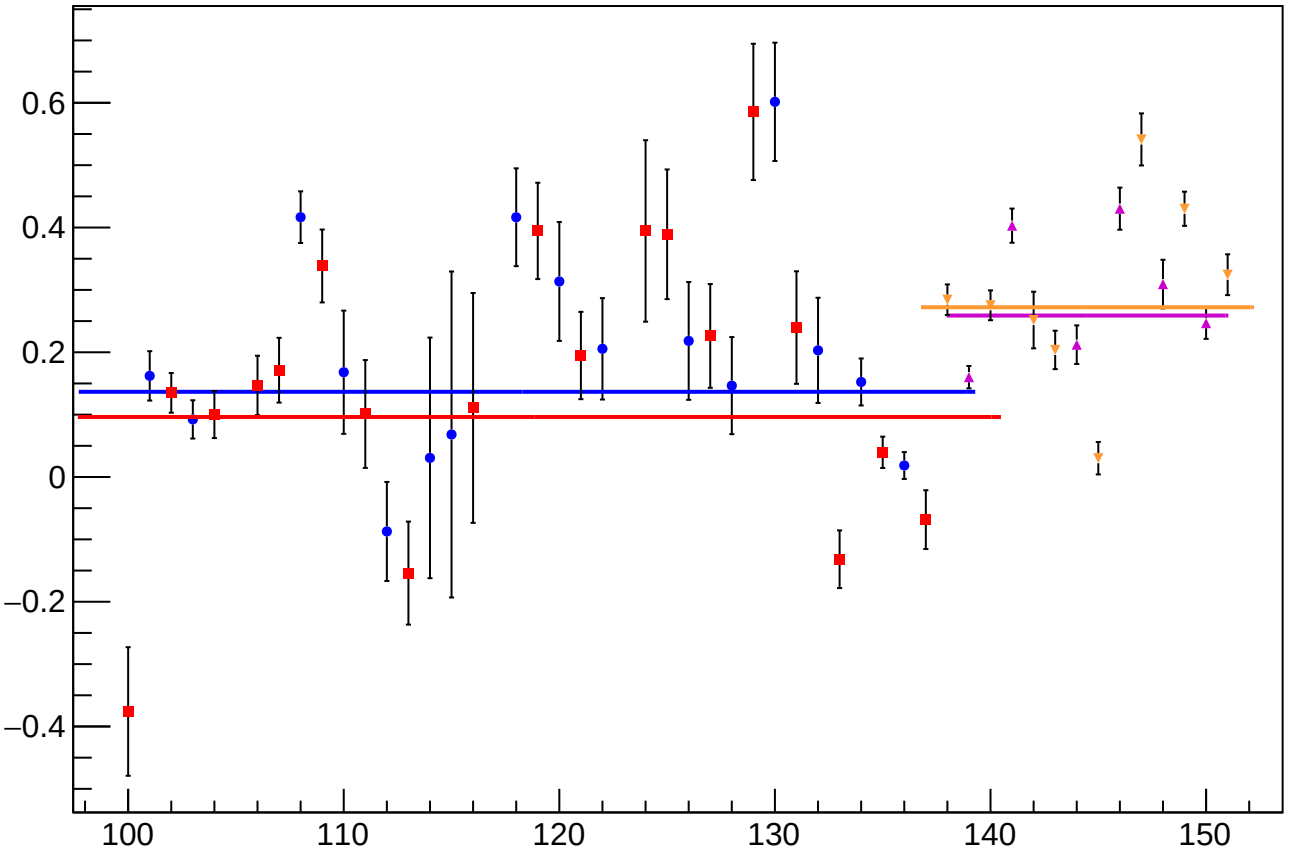
Left: -35.562+/-0.166 χ^2/NDF: 703.3/13

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -32.650+/-0.177 χ^2/NDF:7434.7/21

Out: -33.818+/-0.162 χ^2/NDF:7550.6/26

All: -33.285+/-0.120 χ^2/NDF: 15009.1/48



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.272+/-0.010 χ^2/NDF:169.2/7

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.259+/-0.011 χ^2/NDF:87.9/5

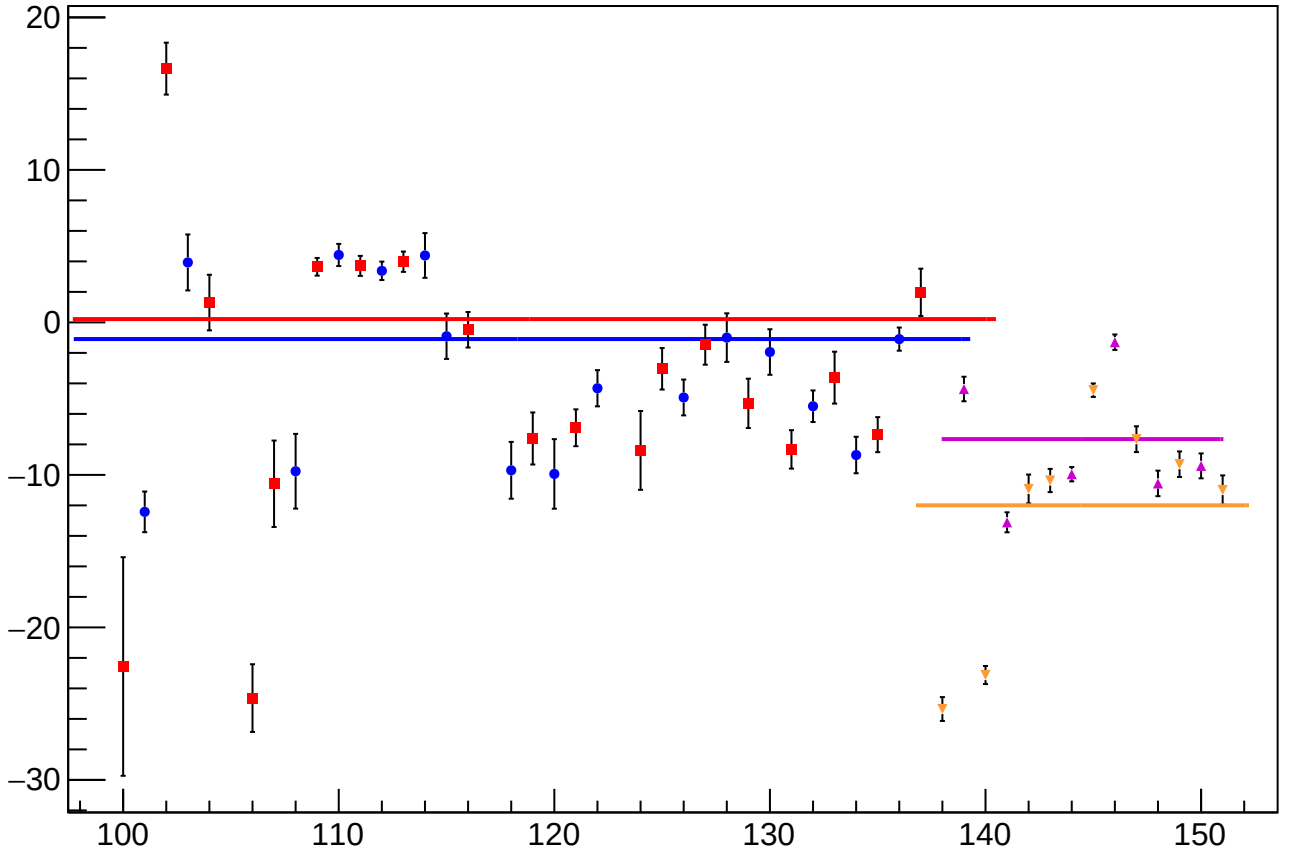
Left: 0.266+/-0.007 χ^2/NDF: 258.0/13

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.207+/-0.008 χ^2/NDF:272.0/21

Out: 0.199+/-0.008 χ^2/NDF:435.9/26

All: 0.203+/-0.006 χ^2/NDF: 708.4/48



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -11.994+/-0.247 χ^2/NDF:981.3/7

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -7.653+/-0.256 χ^2/NDF:283.8/5

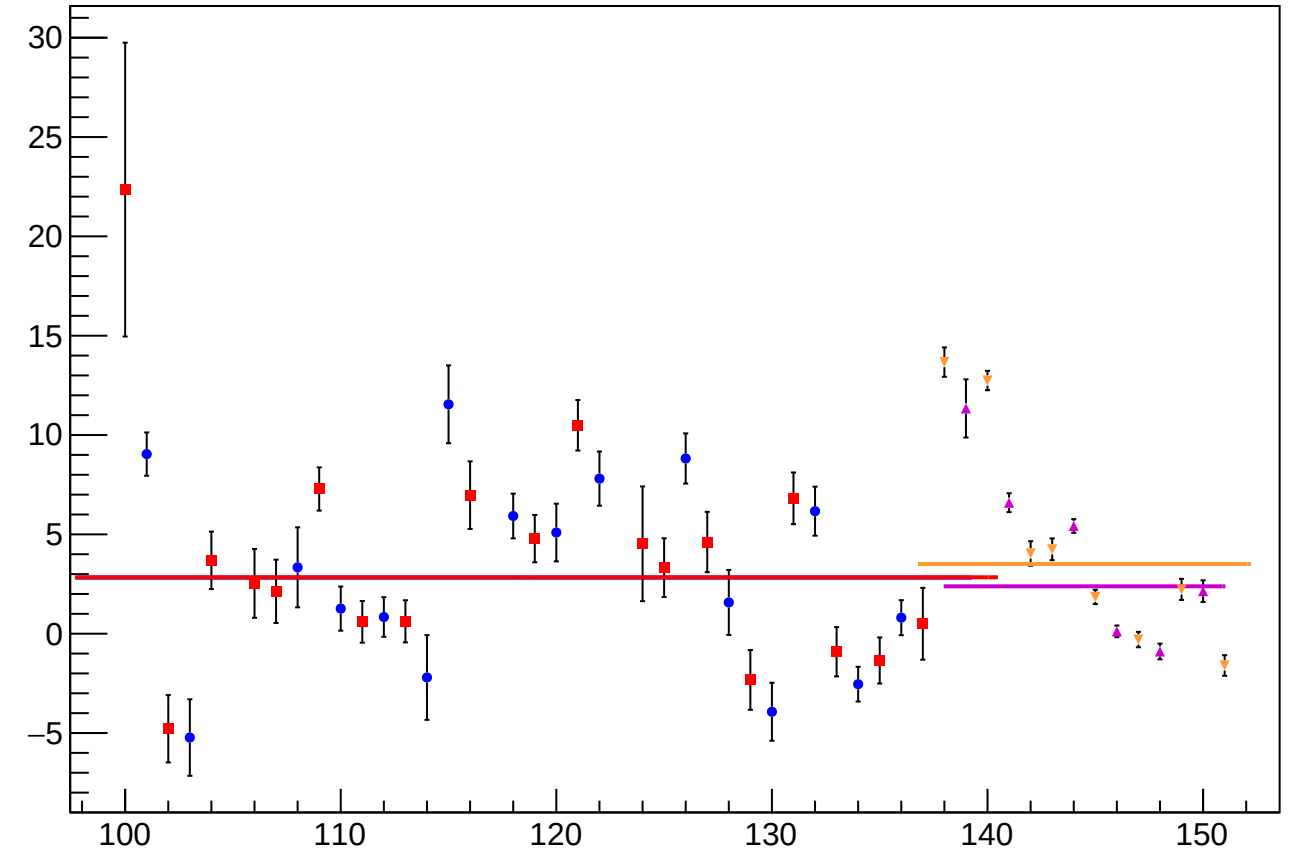
Left: -9.904+/-0.178 χ^2/NDF: 1413.6/13

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

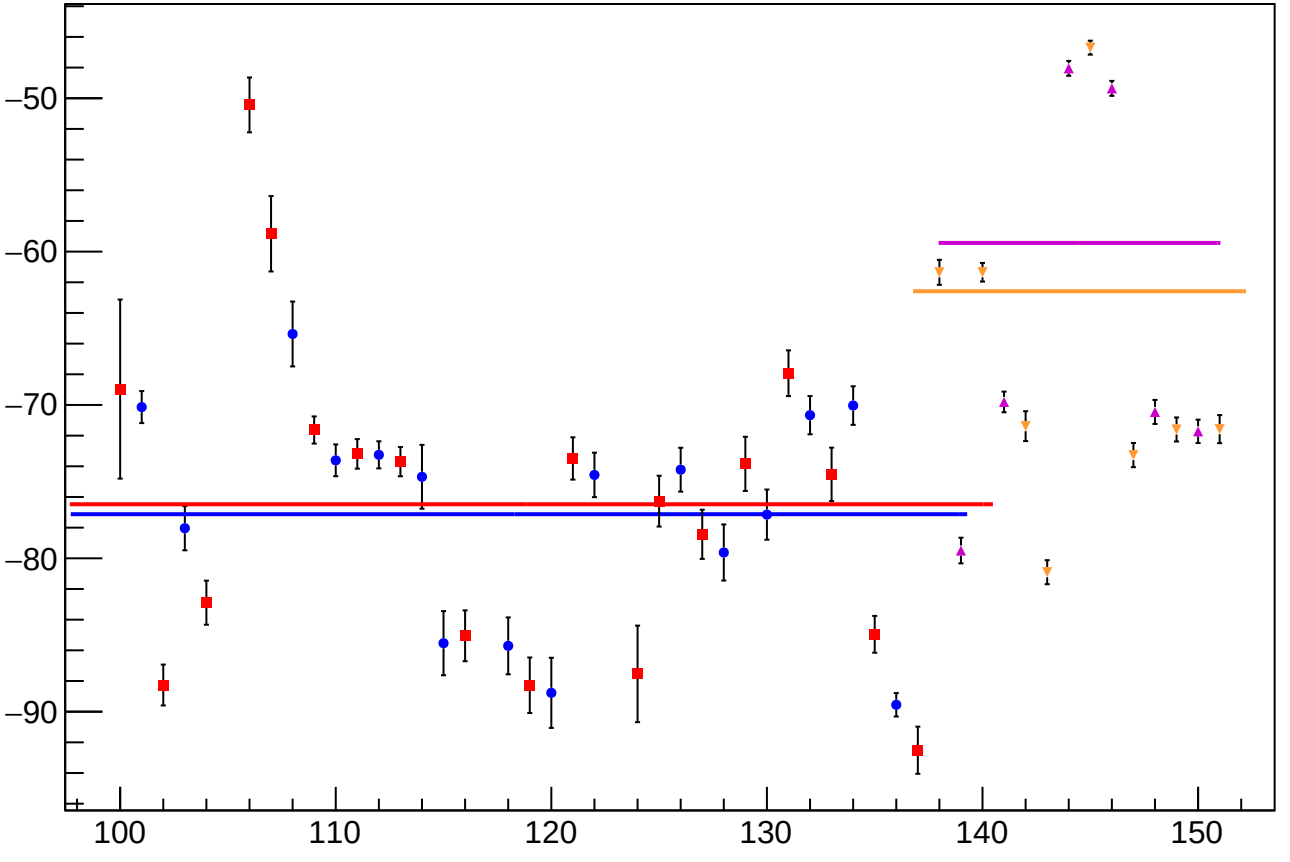
In: -4.666+/-0.189 χ^2/NDF:913.7/21

Out: -6.340+/-0.181 χ^2/NDF:2631.9/26

All: -5.540+/-0.131 χ^2/NDF: 3586.4/48


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 2.823+/-0.313 χ²/NDF: 199.6/15
Left Out: 3.507+/-0.173 χ²/NDF:771.7/7
Right Out: 2.840+/-0.322 χ²/NDF: 145.0/18
Left In: 2.385+/-0.170 χ²/NDF:320.7/5
Left: 2.938+/-0.121 χ²/NDF: 1113.8/13
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 2.485+/-0.150 χ²/NDF:521.8/21
Out: 3.358+/-0.152 χ²/NDF:920.0/26
All: 2.914+/-0.107 χ²/NDF: 1458.5/48

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -62.585+/-0.249 χ^2/NDF:2263.1/7

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -59.433+/-0.255 χ^2/NDF:2246.5/5

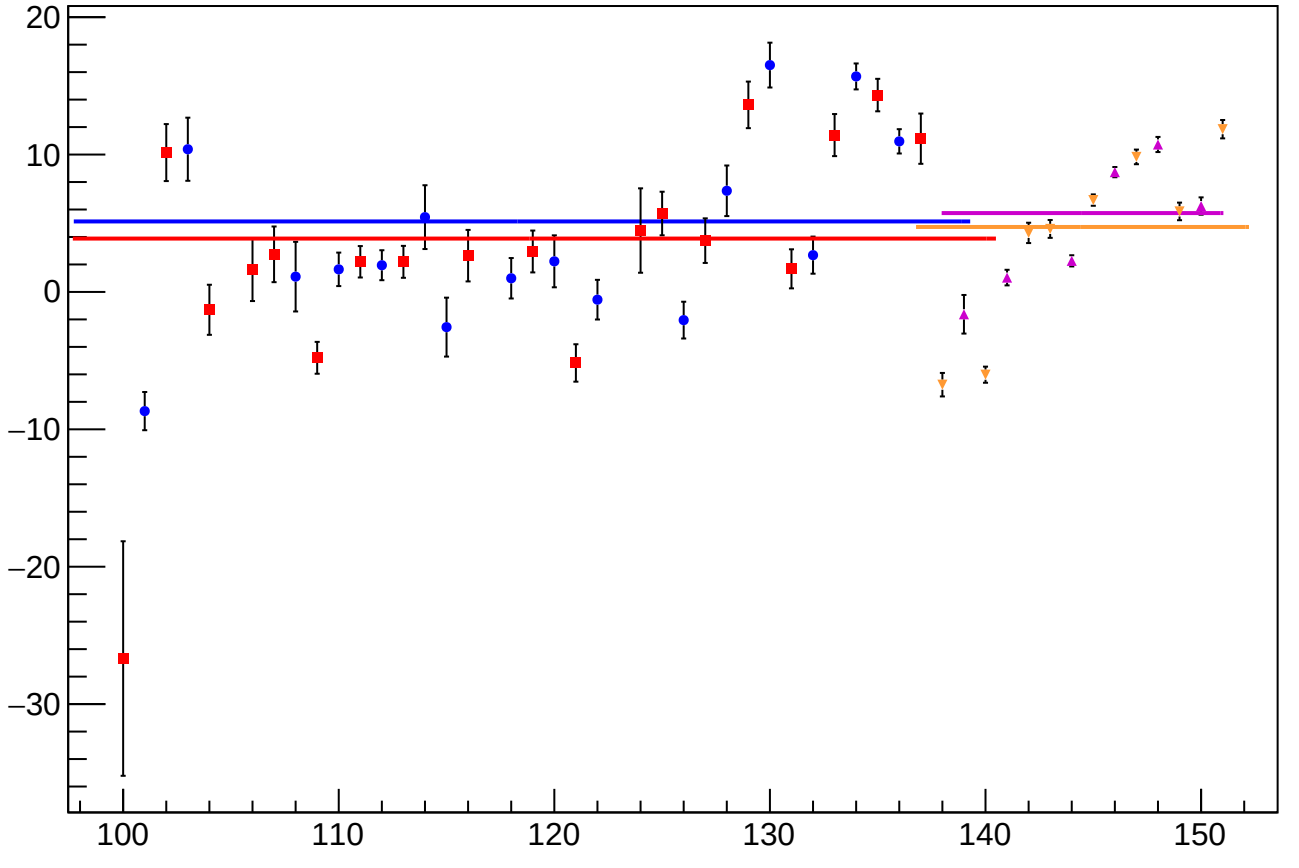
Left: -61.044+/-0.178 χ^2/NDF: 4588.0/13

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.125+/-0.201 χ^2/NDF:4577.3/21

Out: -67.652+/-0.198 χ^2/NDF:4094.7/26

All: -66.897+/-0.141 χ^2/NDF: 8701.2/48



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.729+/-0.211 χ^2/NDF:747.0/7

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 5.740+/-0.210 χ^2/NDF:315.8/5

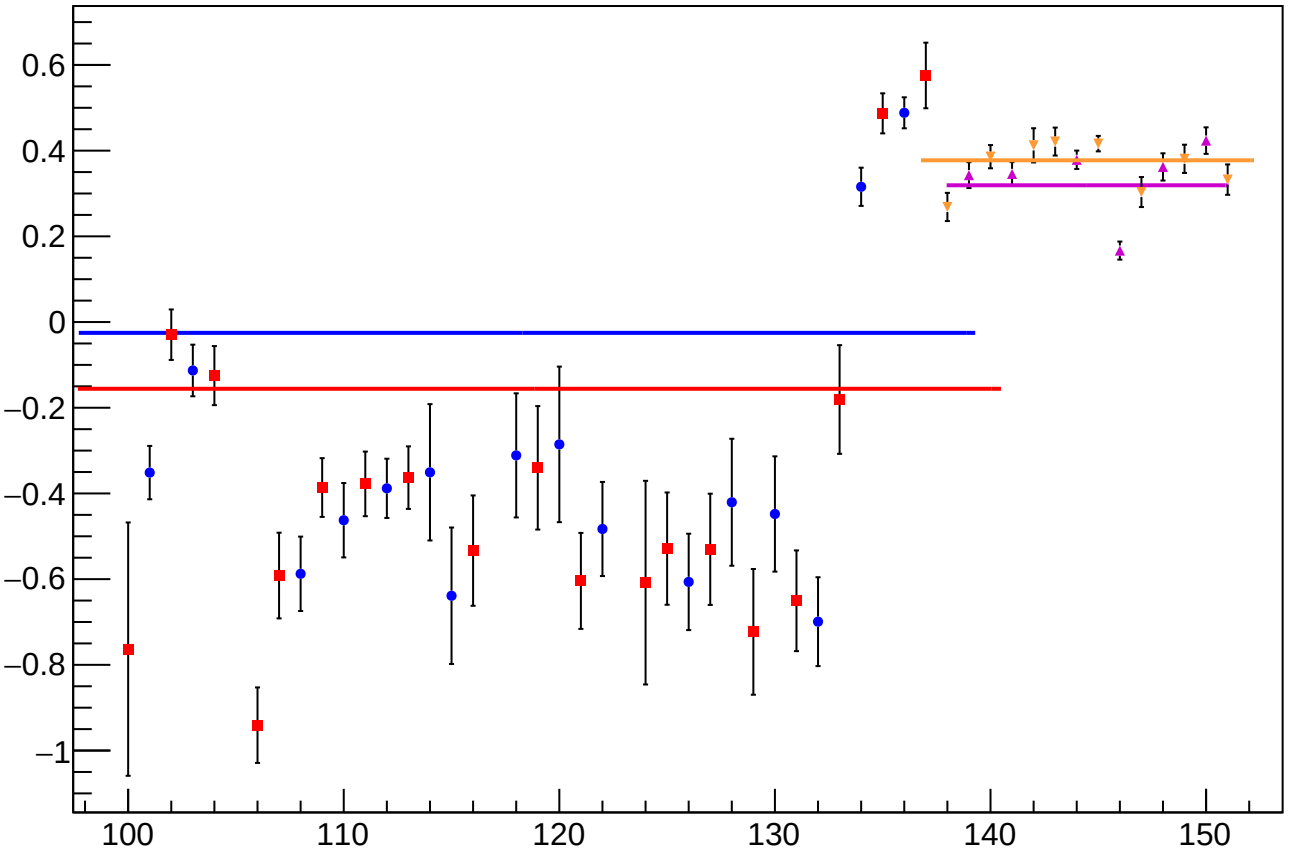
Left: 5.236+/-0.149 χ^2/NDF: 1074.4/13

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 5.579+/-0.180 χ^2/NDF:730.3/21

Out: 4.515+/-0.182 χ^2/NDF:1042.6/26

All: 5.053+/-0.128 χ^2/NDF: 1790.2/48



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.377+/-0.010 χ^2/NDF:24.3/7

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.319+/-0.011 χ^2/NDF:74.6/5

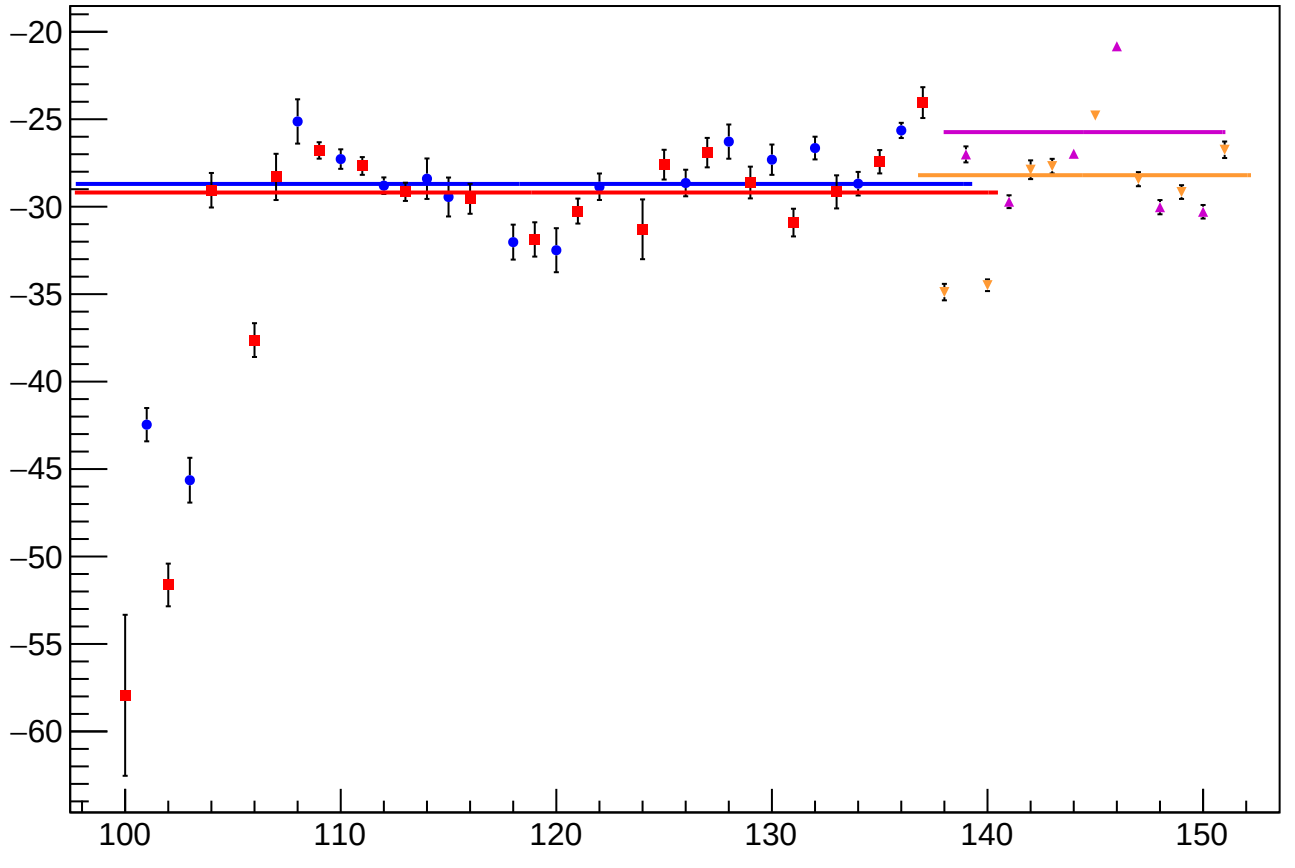
Left: 0.349+/-0.007 χ^2/NDF: 114.5/13

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.237+/-0.009 χ^2/NDF:838.6/21

Out: 0.268+/-0.009 χ^2/NDF:1071.9/26

All: 0.252+/-0.007 χ^2/NDF: 1916.1/48



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.199+/-0.125 χ^2/NDF:855.6/7

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -25.736+/-0.122 χ^2/NDF:970.3/5

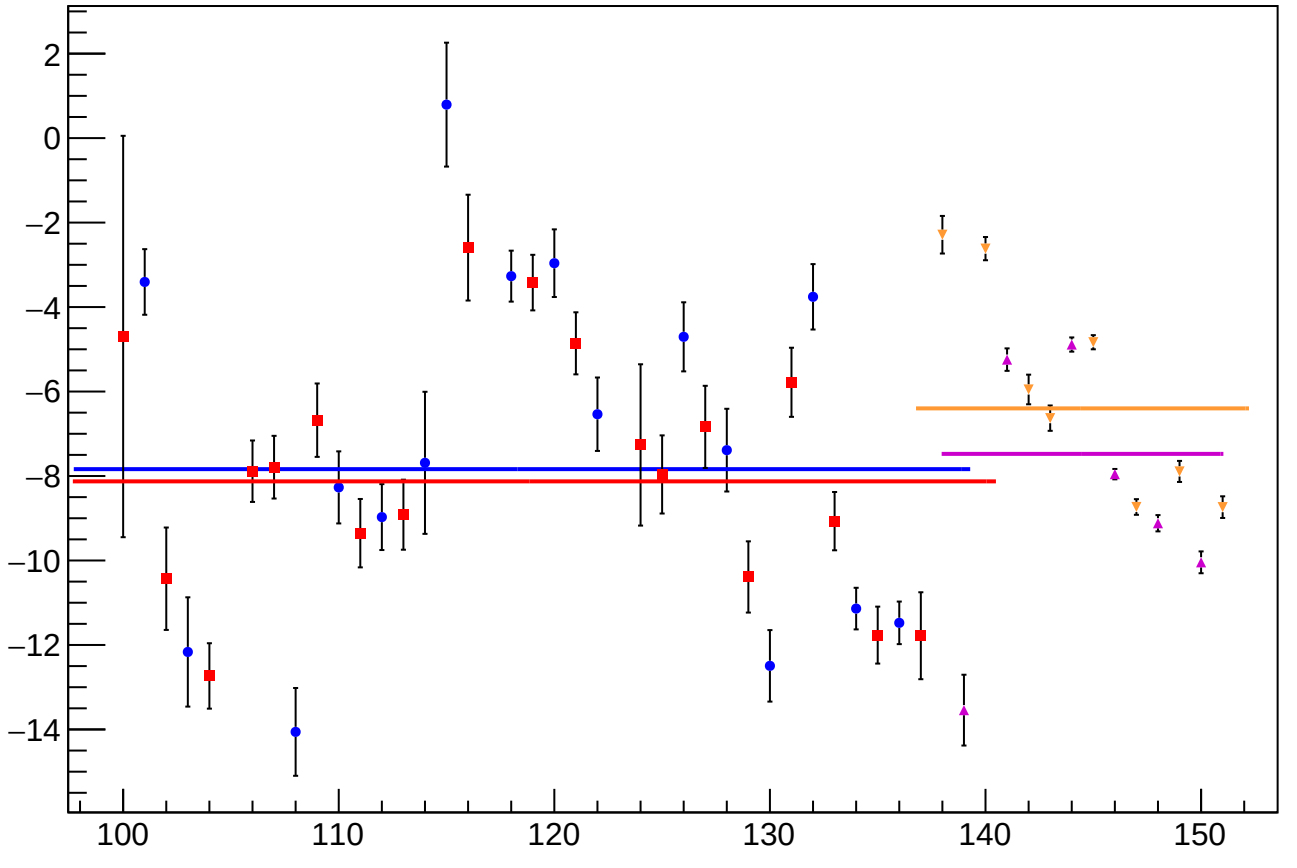
Left: -26.934+/-0.087 χ^2/NDF: 2025.6/13

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.623+/-0.102 χ^2/NDF:1635.5/21

Out: -28.518+/-0.103 χ^2/NDF:1433.1/26

All: -27.561+/-0.072 χ^2/NDF: 3240.1/48



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.399+/-0.087 χ^2/NDF:642.0/7

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.476+/-0.079 χ^2/NDF:546.0/5

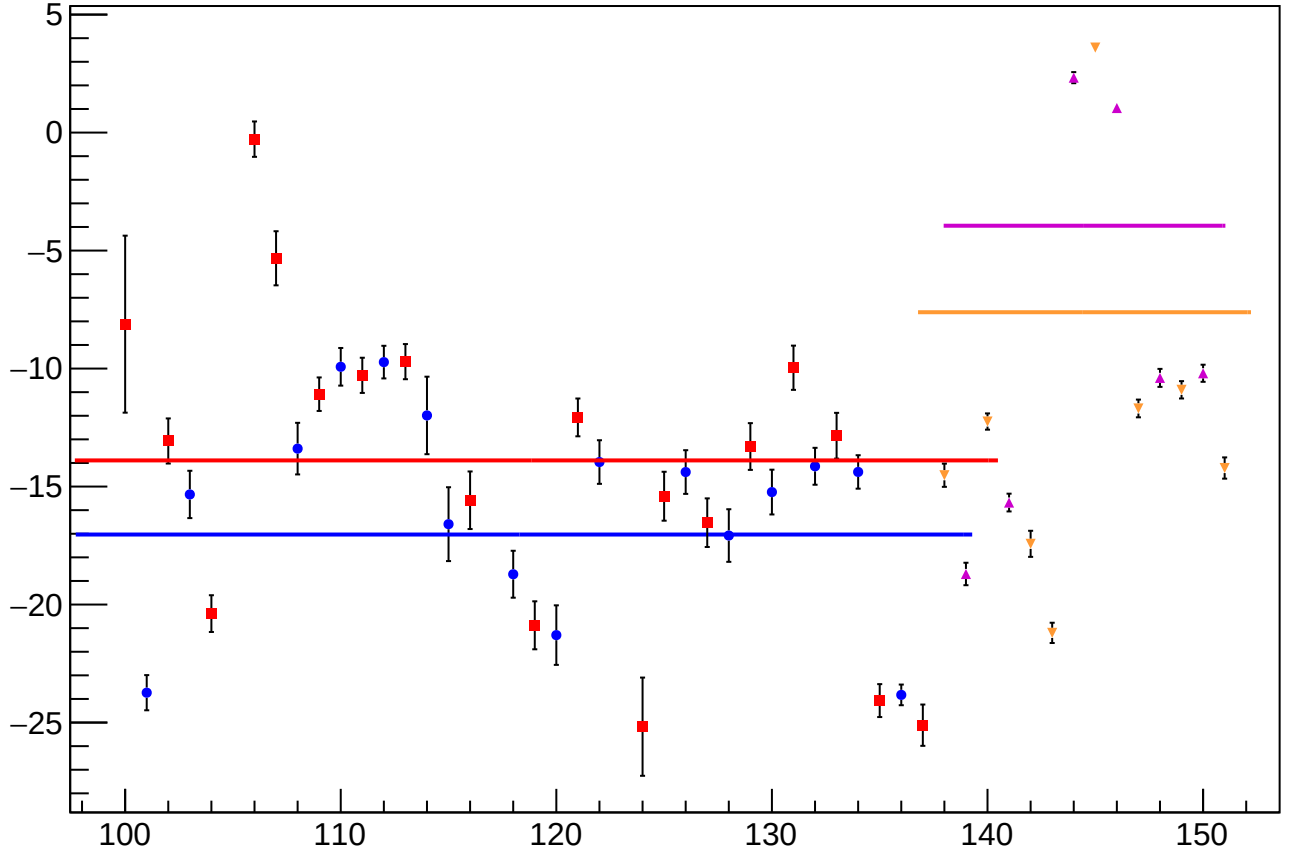
Left: -6.984+/-0.058 χ^2/NDF: 1272.3/13

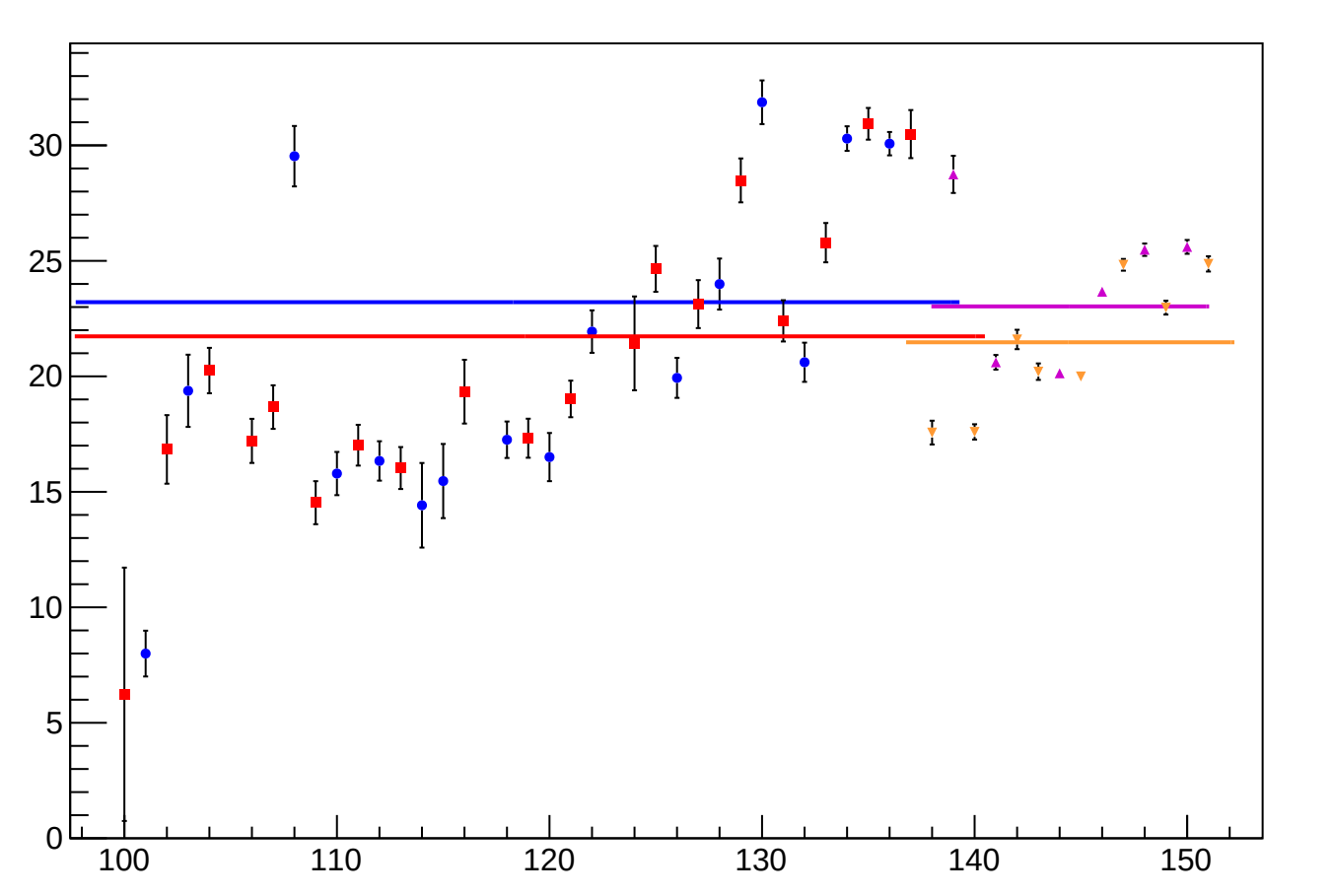
Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.527+/-0.073 χ^2/NDF:932.2/21

Out: -6.679+/-0.079 χ^2/NDF:904.0/26

All: -7.135+/-0.054 χ^2/NDF: 1897.9/48


reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
5
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
Right In: -17.033+/-0.209 χ²/NDF: 601.2/15
Left Out: -7.612+/-0.125 χ²/NDF:5014.7/7
Right Out: -13.892+/-0.209 χ²/NDF: 1017.4/18
Left In: -3.947+/-0.120 χ²/NDF:3859.8/5
Left: -5.702+/-0.087 χ²/NDF: 9321.2/13
Right: -15.462+/-0.148 χ²/NDF: 1731.1/34
In: -7.184+/-0.104 χ²/NDF:7401.0/21
Out: -9.267+/-0.107 χ²/NDF:6694.9/26
All: -8.193+/-0.075 χ²/NDF: 14289.8/48



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.475+/-0.106 χ^2/NDF:571.8/7

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.028+/-0.098 χ^2/NDF:499.1/5

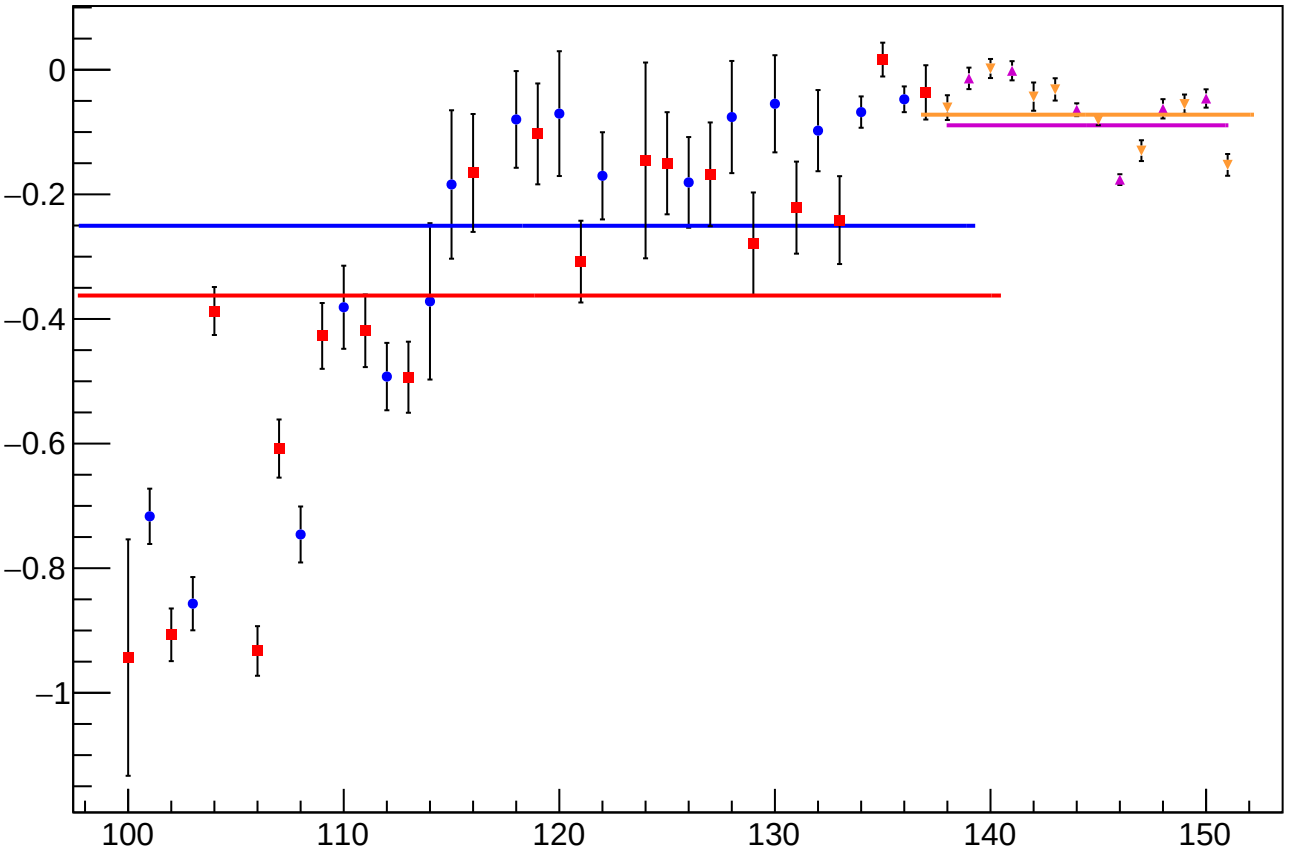
Left: 22.311+/-0.072 χ^2/NDF: 1187.1/13

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.059+/-0.089 χ^2/NDF:1508.0/21

Out: 21.521+/-0.096 χ^2/NDF:1131.1/26

All: 22.343+/-0.065 χ^2/NDF: 2777.0/48



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.072+/-0.005 χ^2/NDF:66.0/7

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.089+/-0.005 χ^2/NDF:170.6/5

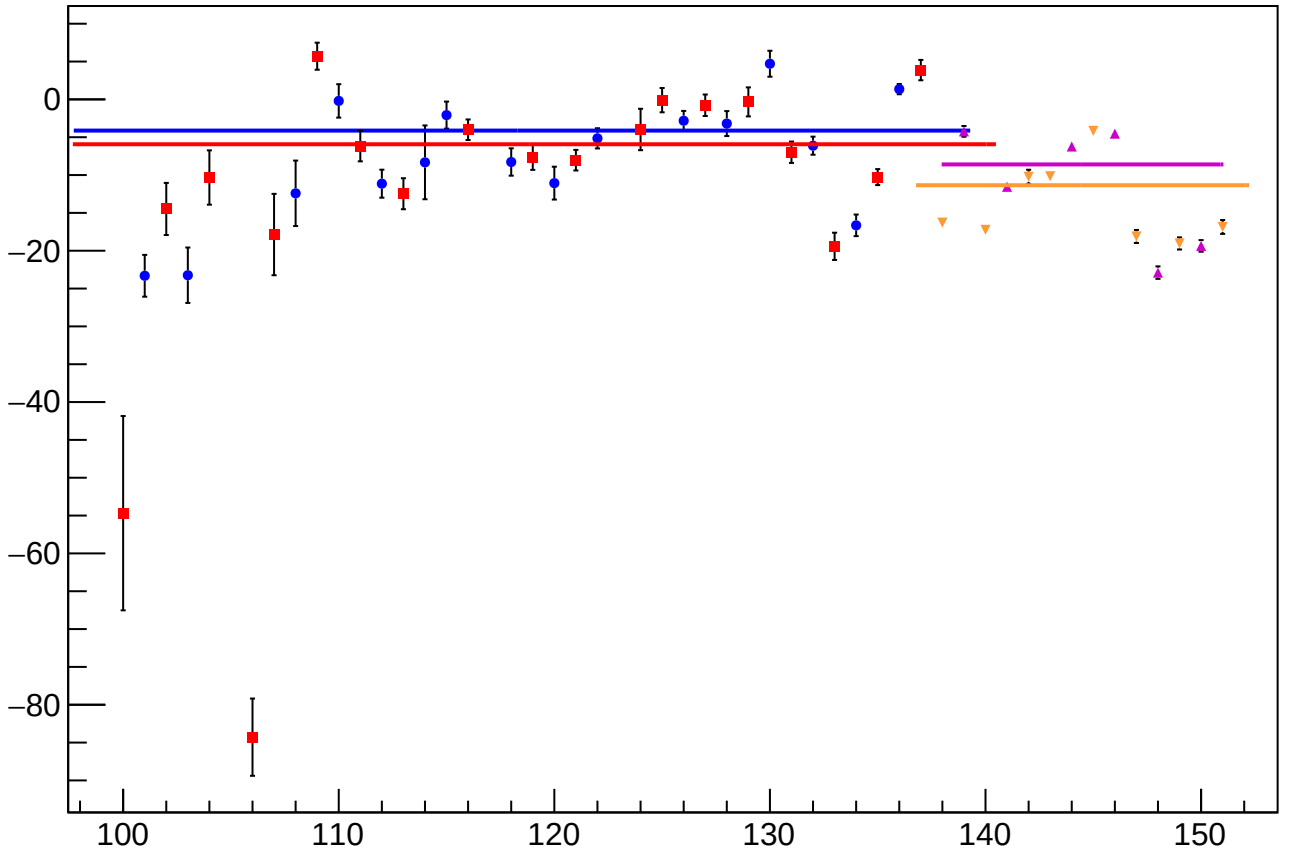
Left: -0.081+/-0.004 χ^2/NDF: 242.3/13

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.115+/-0.005 χ^2/NDF:965.2/21

Out: -0.115+/-0.005 χ^2/NDF:1240.9/26

All: -0.115+/-0.003 χ^2/NDF: 2206.1/48



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.344+/-0.221 χ^2/NDF:747.8/7

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -8.597+/-0.227 χ^2/NDF:689.3/5

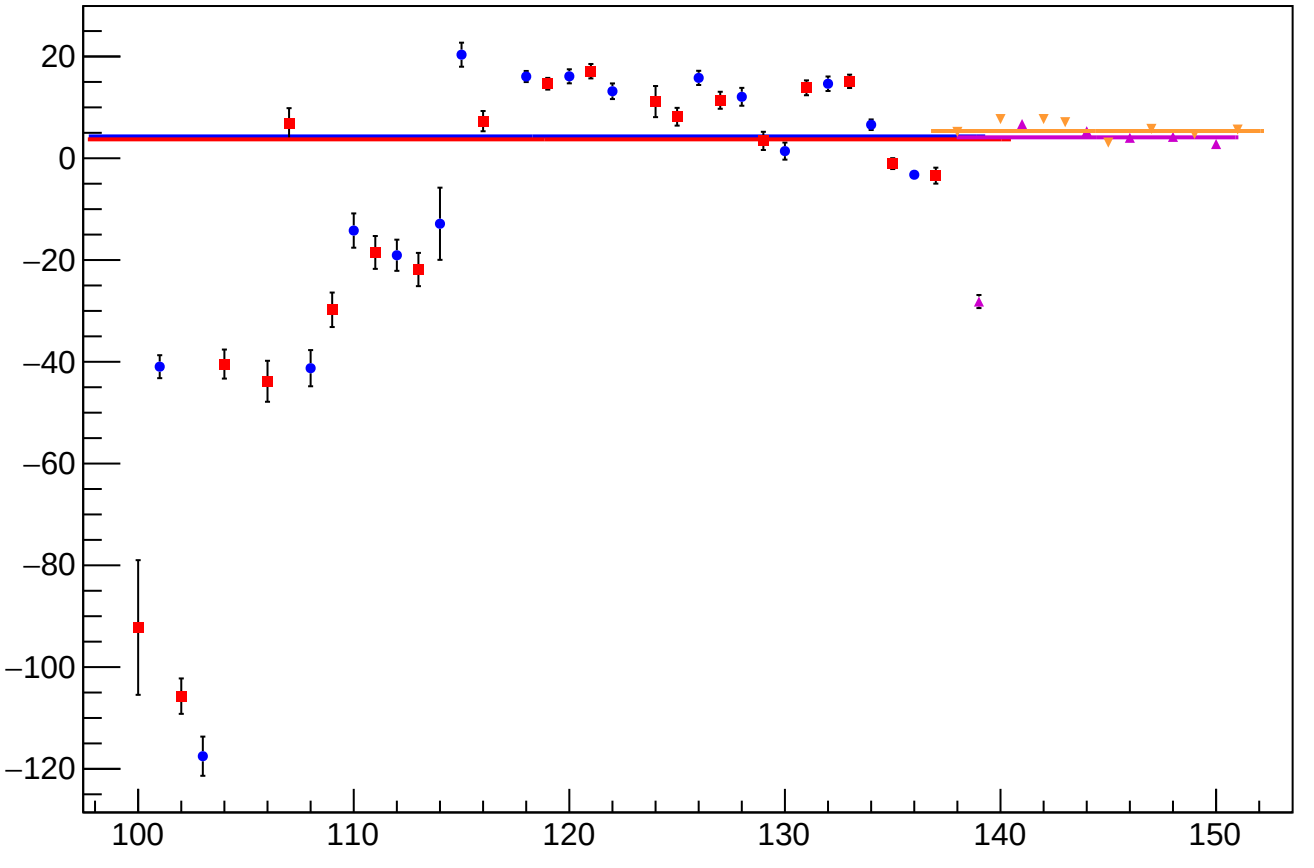
Left: -10.003+/-0.158 χ^2/NDF: 1512.4/13

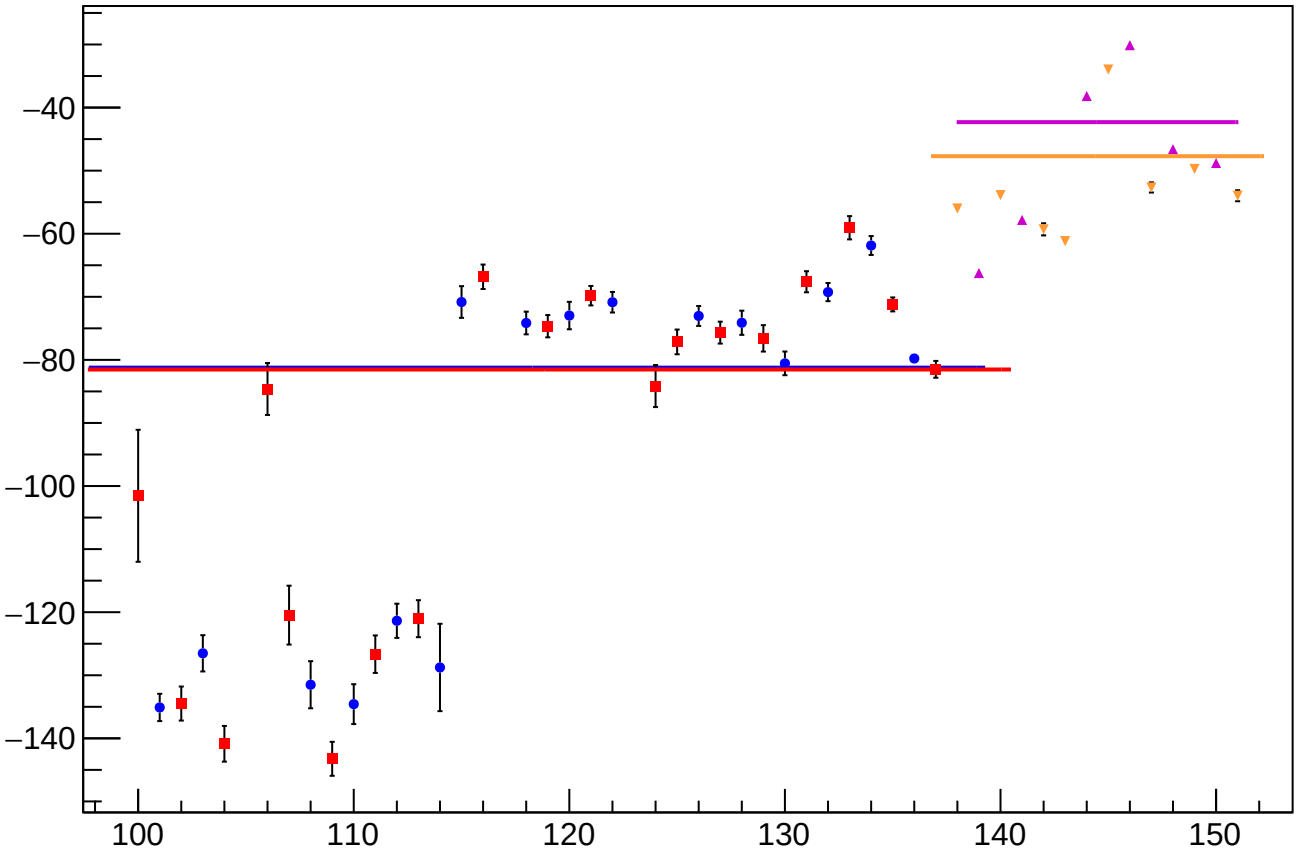
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -7.432+/-0.195 χ^2/NDF:1078.8/21

Out: -10.112+/-0.194 χ^2/NDF:1366.7/26

All: -8.775+/-0.138 χ^2/NDF: 2540.2/48


reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: 4.292+/-0.385 χ²/NDF: 2169.1/15
Left Out: 5.358+/-0.158 χ²/NDF:115.7/7
Right Out: 3.717+/-0.423 χ²/NDF: 2007.2/18
Left In: 4.113+/-0.153 χ²/NDF:684.8/5
Left: 4.715+/-0.110 χ²/NDF: 832.4/13
Right: 4.031+/-0.285 χ²/NDF: 4177.4/34
In: 4.138+/-0.142 χ²/NDF:2854.1/21
Out: 5.156+/-0.148 χ²/NDF:2136.1/26
All: 4.626+/-0.103 χ²/NDF: 5014.8/48



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -47.709+/-0.224 χ^2/NDF:2208.8/7

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -42.311+/-0.225 χ^2/NDF:2796.5/5

Left: -45.024+/-0.159 χ^2/NDF: 5294.5/13

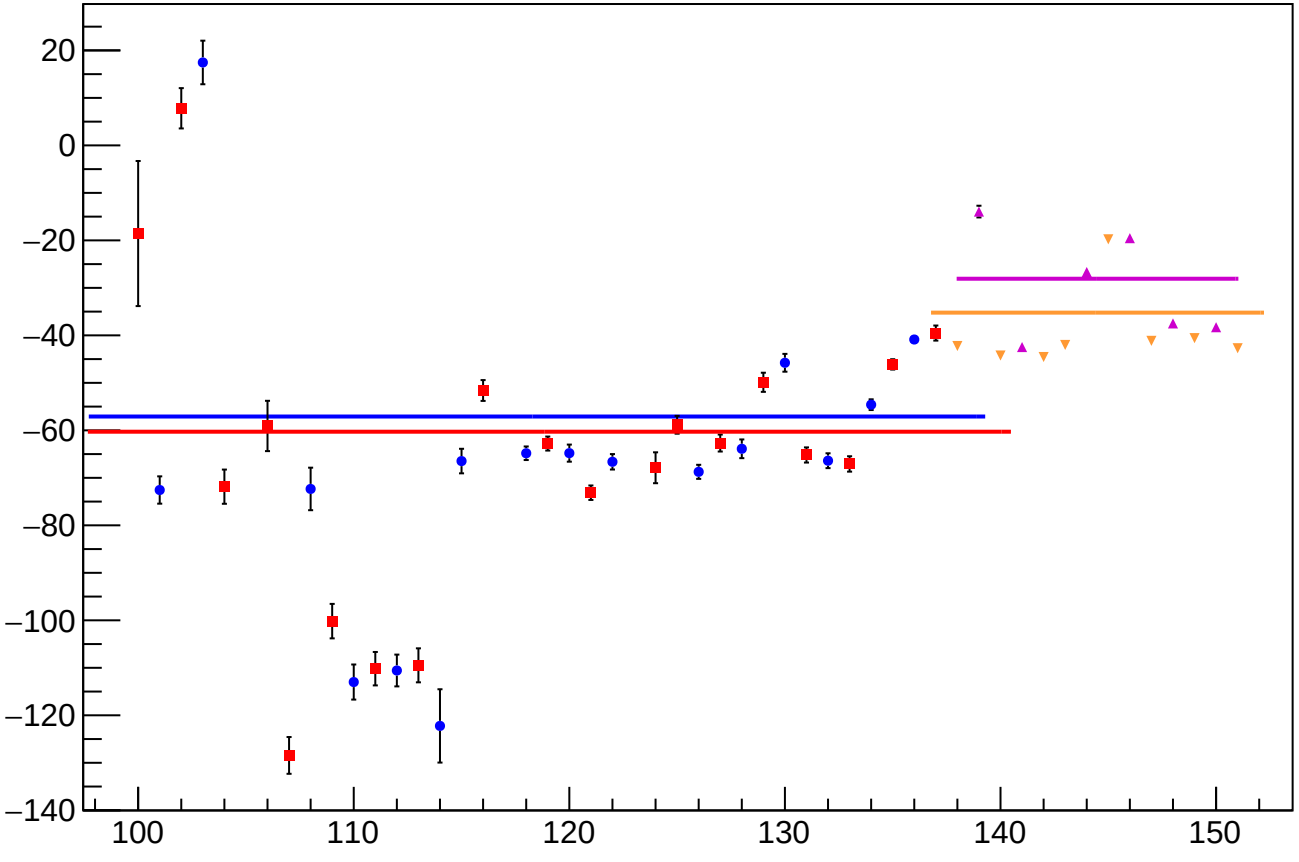
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.095+/-0.198 χ^2/NDF:11518.1/21

Out: -54.148+/-0.201 χ^2/NDF:8846.3/26

All: -52.595+/-0.141 χ^2/NDF: 20481.2/48

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: -35.214+/-0.192 χ^2/NDF:3058.2/7

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -28.077+/-0.188 χ^2/NDF:2204.3/5

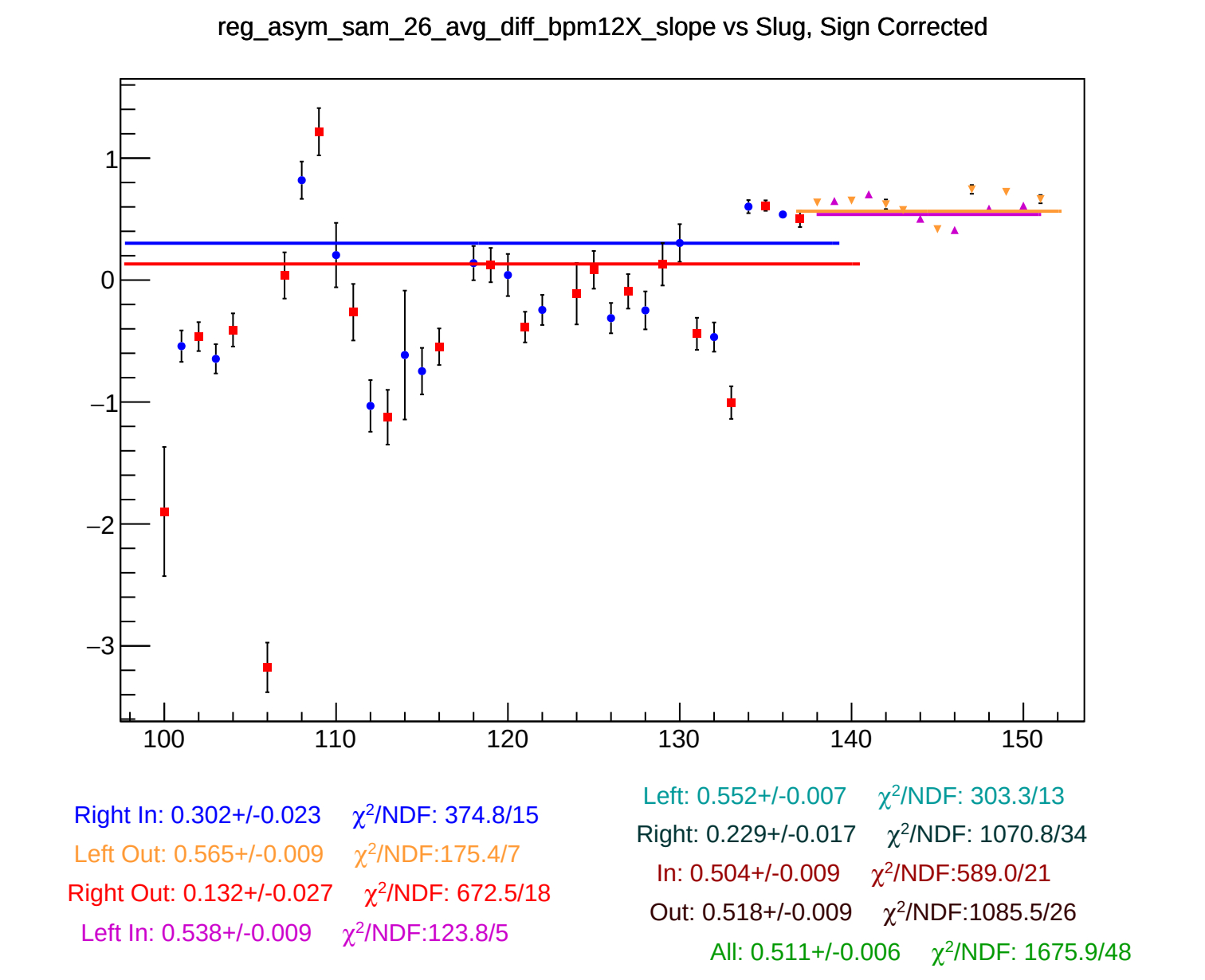
Left: -31.566+/-0.134 χ^2/NDF: 5970.1/13

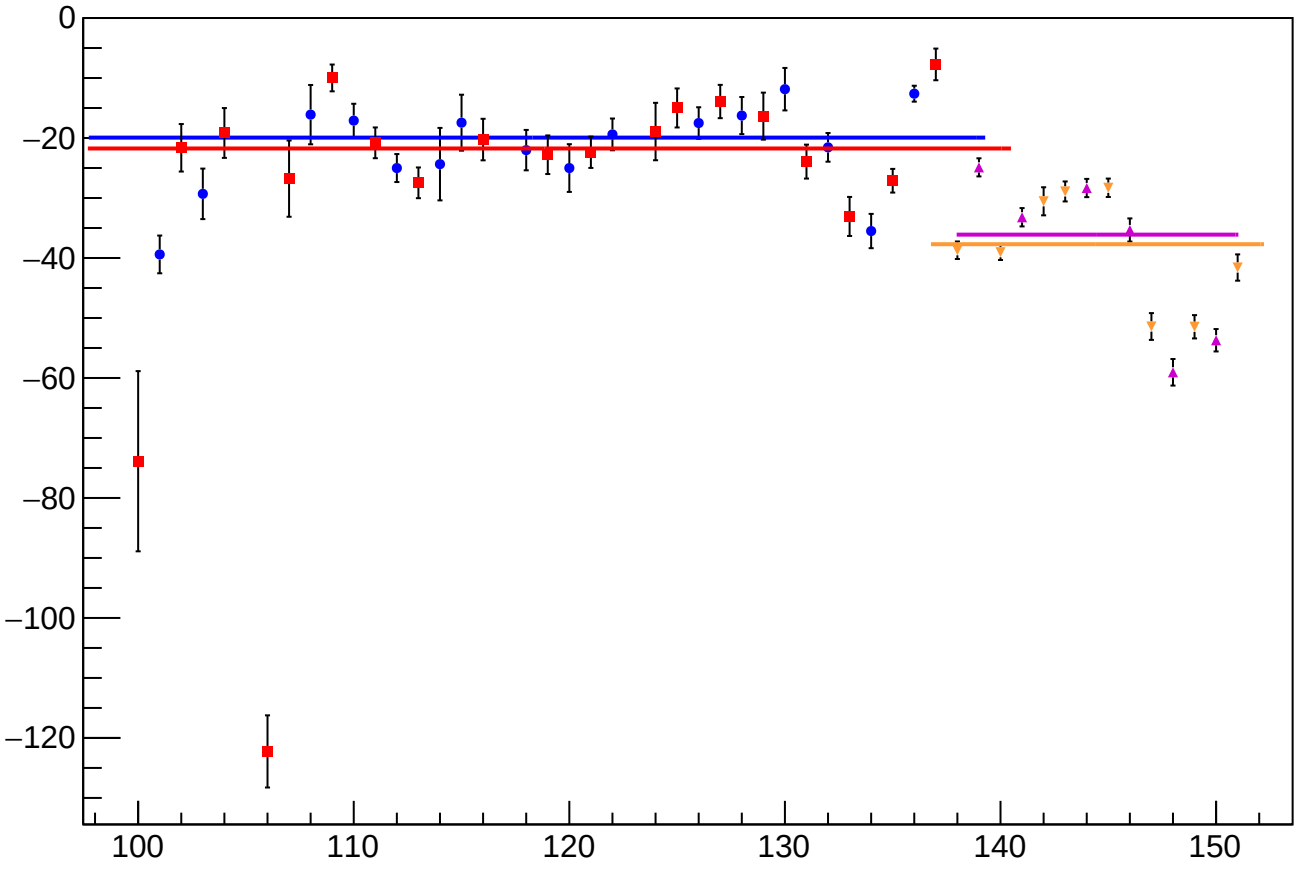
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -32.794+/-0.172 χ^2/NDF:7619.9/21

Out: -38.793+/-0.178 χ^2/NDF:7085.6/26

All: -35.692+/-0.123 χ^2/NDF: 15295.4/48


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.302+/-0.023 χ²/NDF: 374.8/15
Left Out: 0.565+/-0.009 χ²/NDF:175.4/7
Right Out: 0.132+/-0.027 χ²/NDF: 672.5/18
Left In: 0.538+/-0.009 χ²/NDF:123.8/5
Left: 0.552+/-0.007 χ²/NDF: 303.3/13
Right: 0.229+/-0.017 χ²/NDF: 1070.8/34
In: 0.504+/-0.009 χ²/NDF:589.0/21
Out: 0.518+/-0.009 χ²/NDF:1085.5/26
All: 0.511+/-0.006 χ²/NDF: 1675.9/48



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -37.704+/-0.608 χ^2/NDF:167.4/7

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -36.107+/-0.697 χ^2/NDF:281.5/5

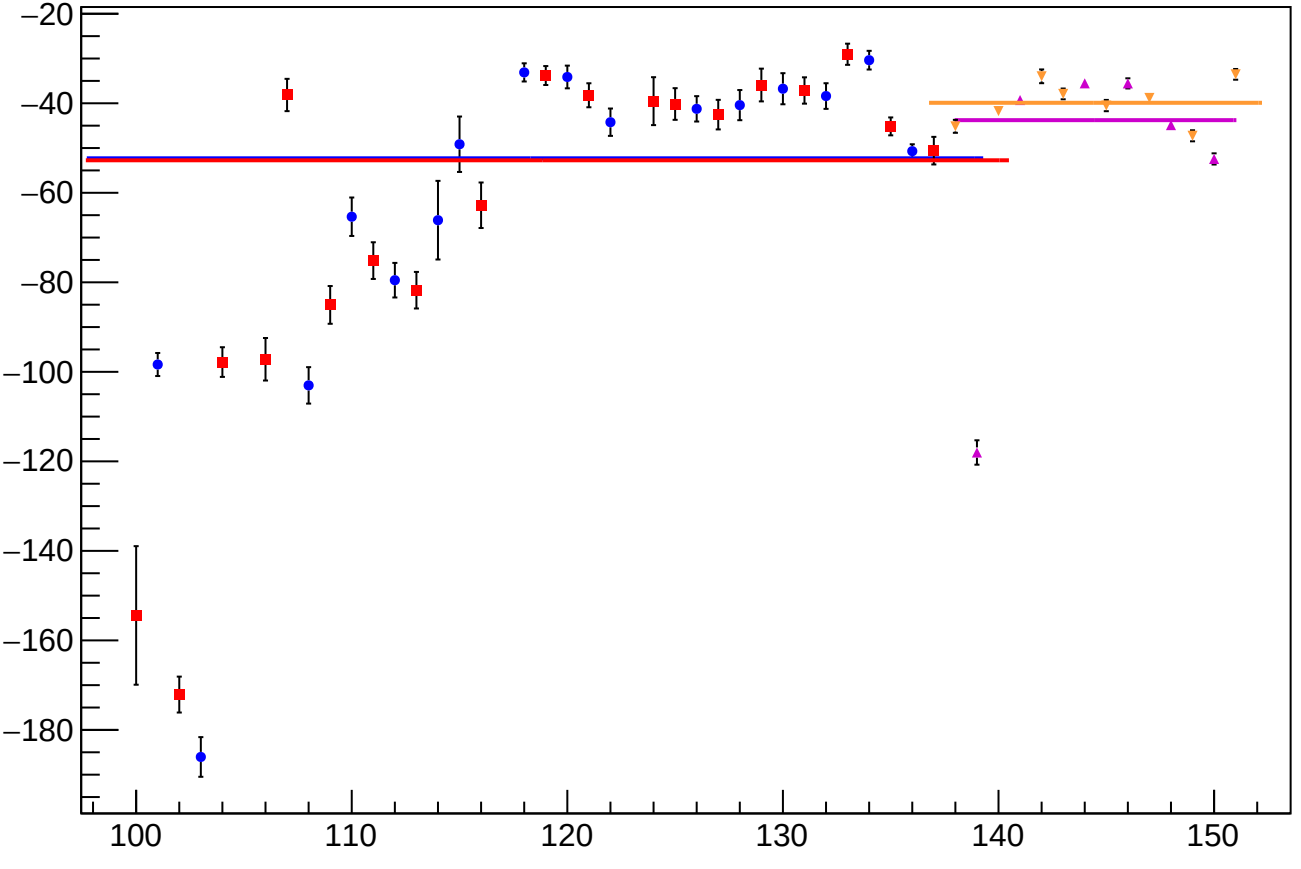
Left: -37.014+/-0.458 χ^2/NDF: 451.9/13

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -27.998+/-0.492 χ^2/NDF:672.2/21

Out: -30.994+/-0.463 χ^2/NDF:845.5/26

All: -29.588+/-0.337 χ^2/NDF: 1537.4/48



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -39.891+/-0.431 χ^2/NDF:98.8/7

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -43.770+/-0.497 χ^2/NDF:913.1/5

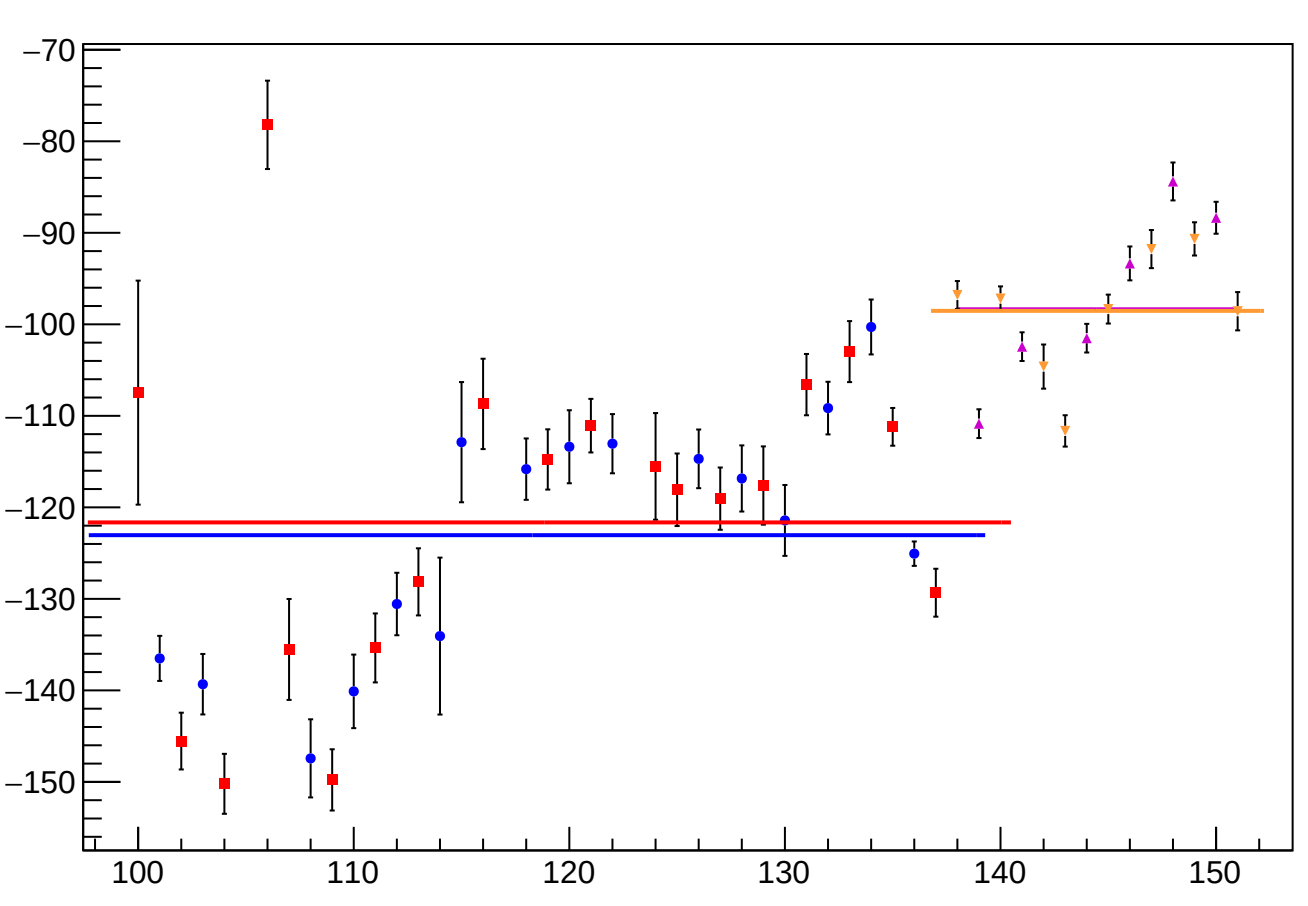
Left: -41.557+/-0.326 χ^2/NDF: 1046.6/13

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -46.586+/-0.407 χ^2/NDF:2788.4/21

Out: -43.097+/-0.374 χ^2/NDF:1982.5/26

All: -44.693+/-0.275 χ^2/NDF: 4810.8/48



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -98.529+/-0.612 χ^2/NDF:96.6/7

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -98.355+/-0.695 χ^2/NDF:159.7/5

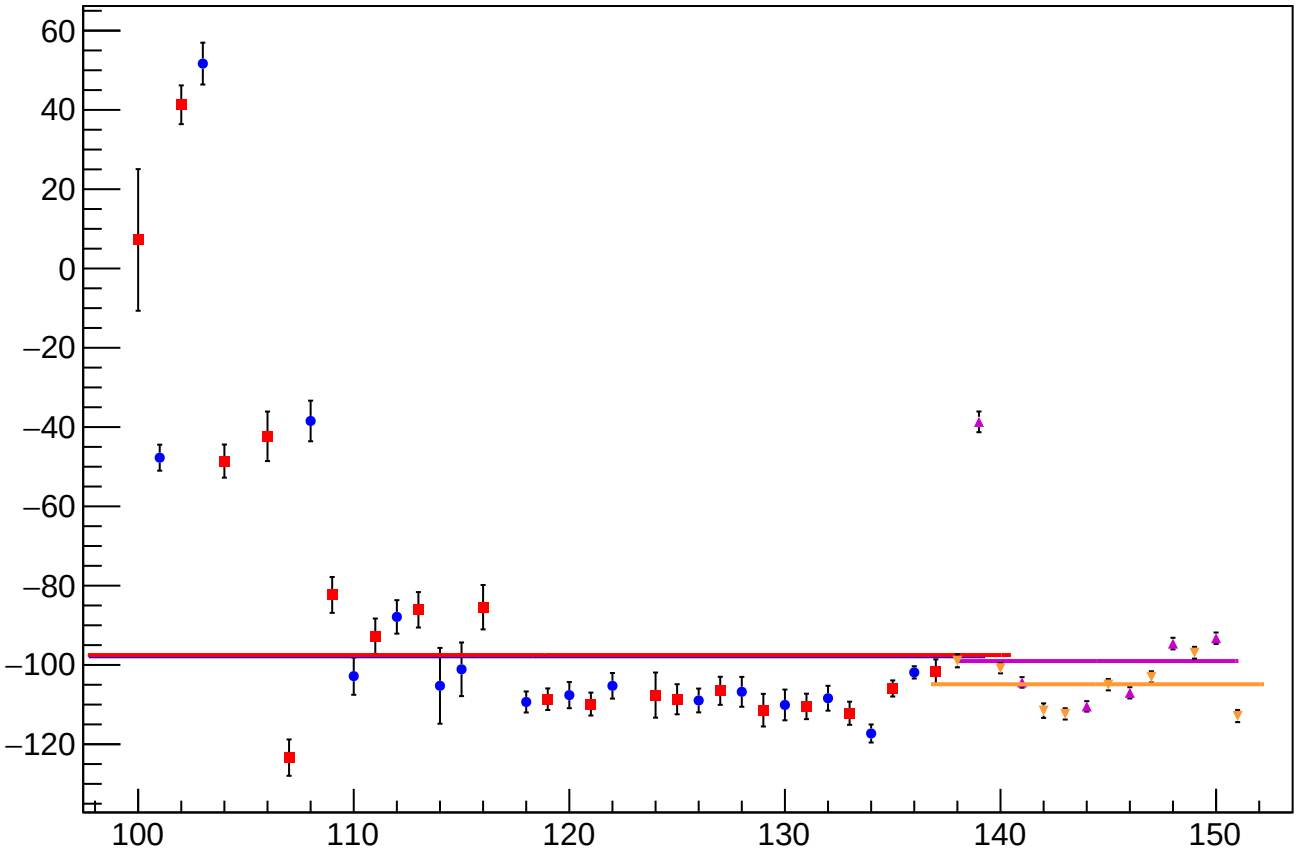
Left: -98.453+/-0.459 χ^2/NDF: 256.3/13

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -109.752+/-0.510 χ^2/NDF:969.6/21

Out: -107.047+/-0.486 χ^2/NDF:1046.8/26

All: -108.337+/-0.352 χ^2/NDF: 2031.1/48



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -104.869+/-0.526 χ^2/NDF:120.7/7

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -99.018+/-0.605 χ^2/NDF:680.9/5

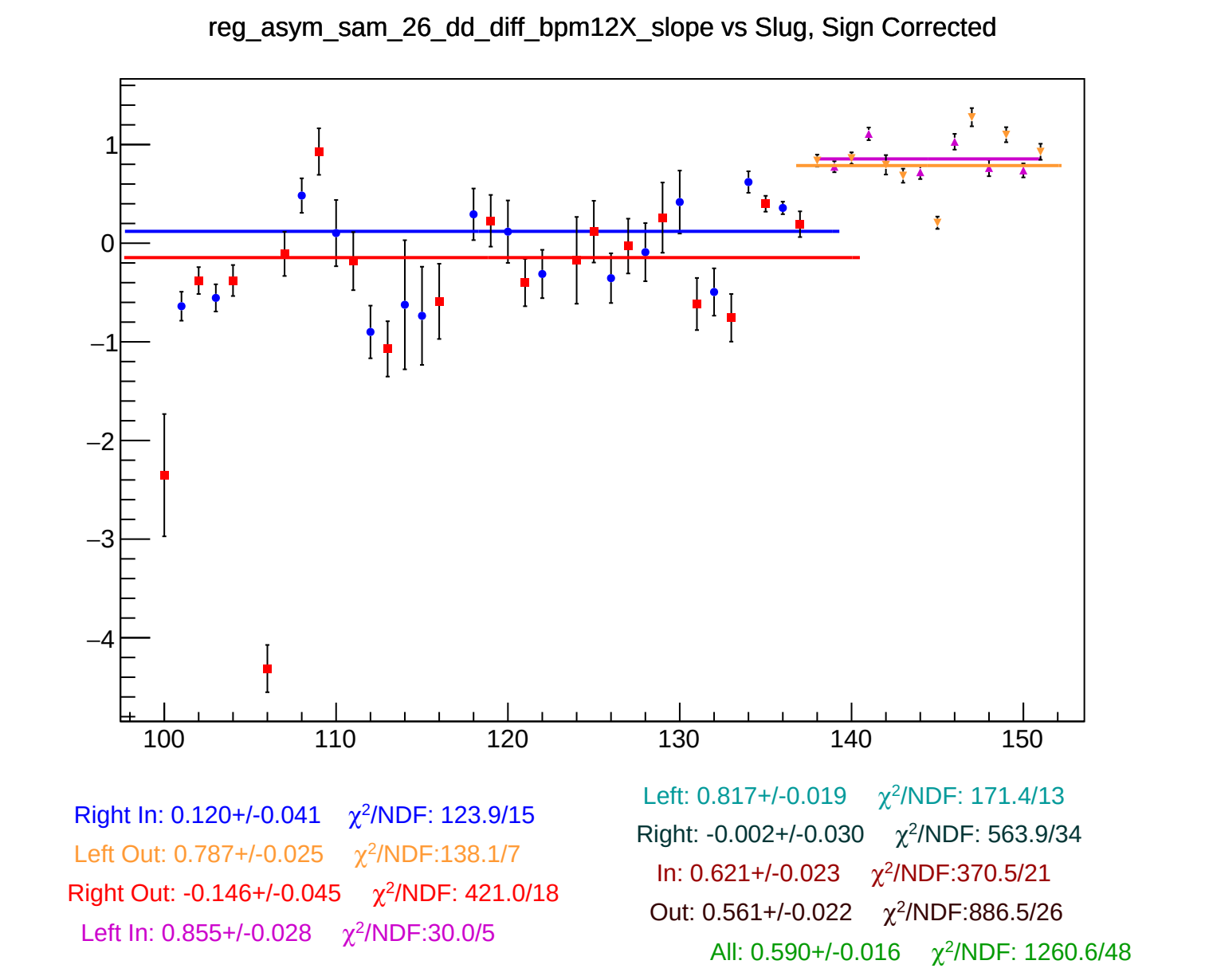
Left: -102.348+/-0.397 χ^2/NDF: 854.8/13

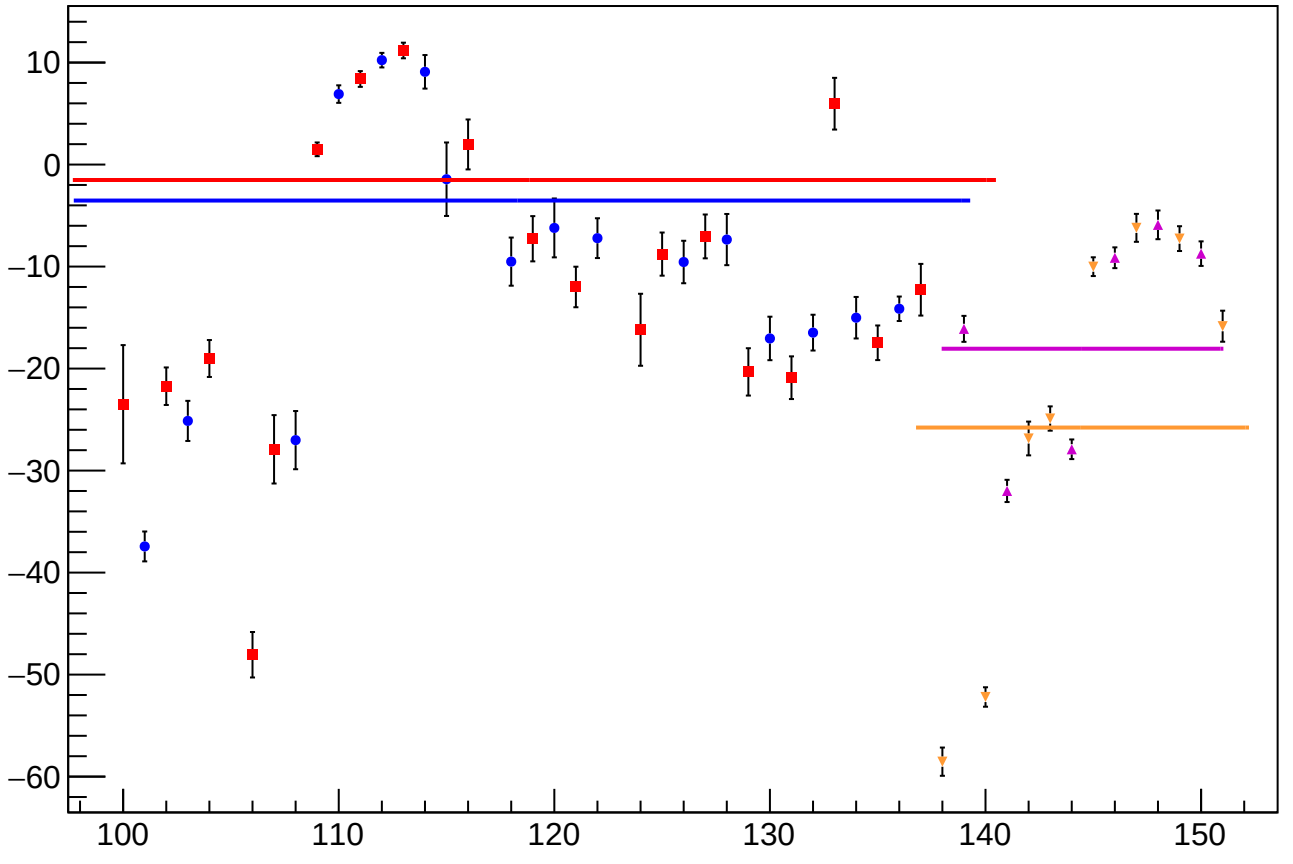
Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -98.575+/-0.481 χ^2/NDF:2013.2/21

Out: -102.802+/-0.446 χ^2/NDF:1412.1/26

All: -100.845+/-0.327 χ^2/NDF: 3466.7/48


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.120+/-0.041 χ²/NDF: 123.9/15
Left Out: 0.787+/-0.025 χ²/NDF:138.1/7
Right Out: -0.146+/-0.045 χ²/NDF: 421.0/18
Left In: 0.855+/-0.028 χ²/NDF:30.0/5
Left: 0.817+/-0.019 χ²/NDF: 171.4/13
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.621+/-0.023 χ²/NDF:370.5/21
Out: 0.561+/-0.022 χ²/NDF:886.5/26
All: 0.590+/-0.016 χ²/NDF: 1260.6/48



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -25.781+/-0.426 χ^2/NDF:2101.0/7

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -18.054+/-0.462 χ^2/NDF:481.7/5

Left: -22.228+/-0.313 χ^2/NDF: 2734.1/13

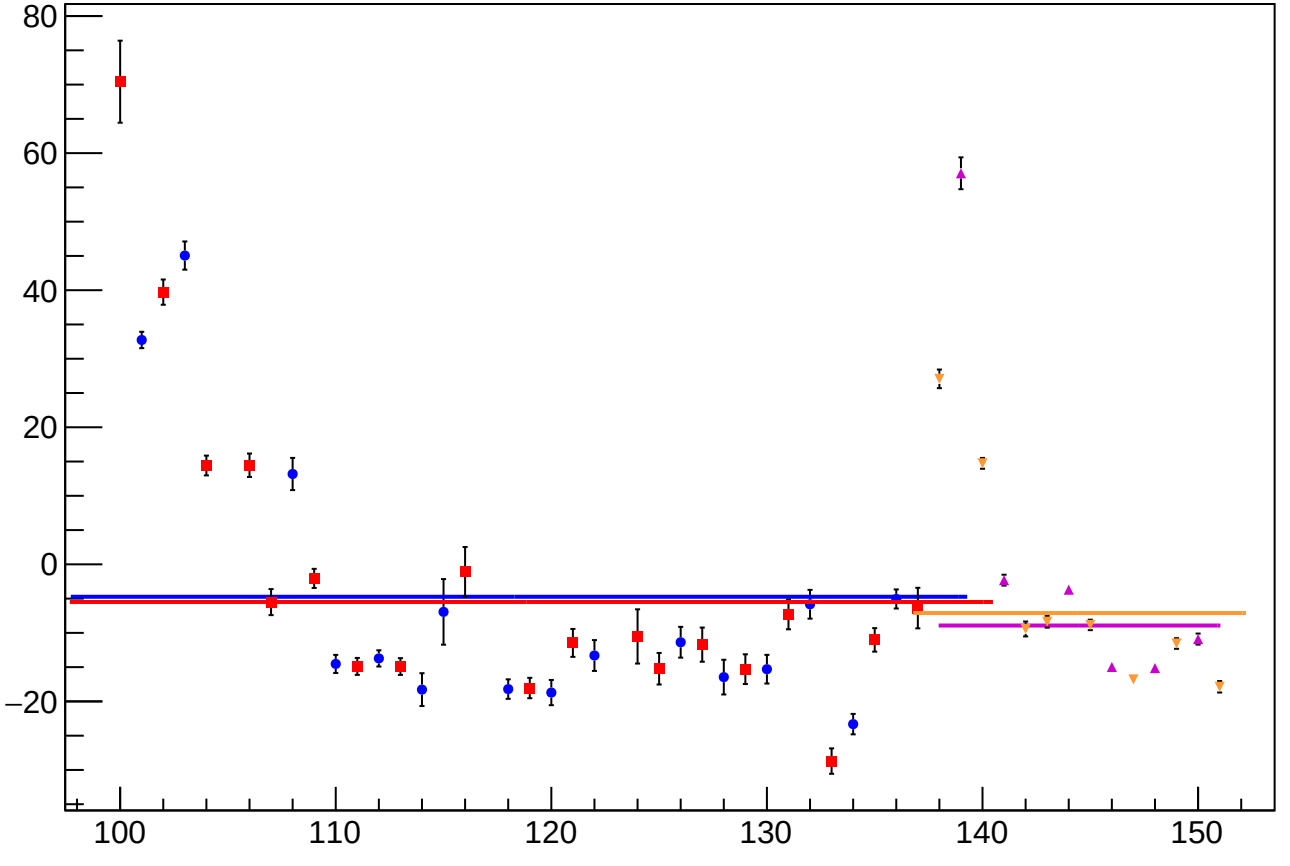
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -9.337+/-0.292 χ^2/NDF:2605.3/21

Out: -10.909+/-0.265 χ^2/NDF:5616.2/26

All: -10.199+/-0.196 χ^2/NDF: 8237.4/48

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.105+/-0.293 χ^2/NDF:1840.1/7

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -8.927+/-0.314 χ^2/NDF:1118.6/5

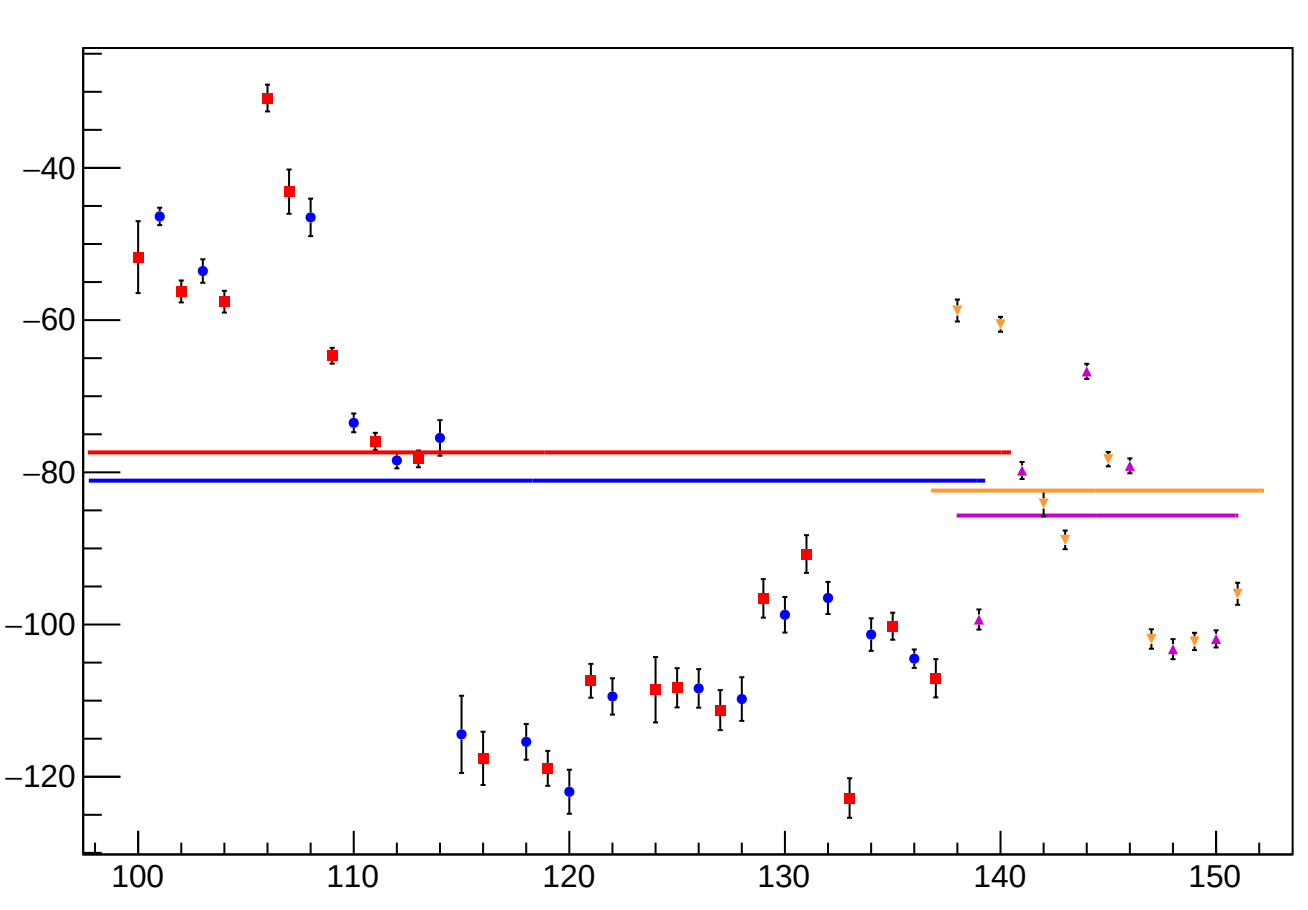
Left: -7.955+/-0.214 χ^2/NDF: 2976.7/13

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.473+/-0.254 χ^2/NDF:3328.7/21

Out: -6.580+/-0.241 χ^2/NDF:3358.5/26

All: -7.004+/-0.175 χ^2/NDF: 6693.7/48



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -82.394+/-0.426 χ^2/NDF:1437.6/7

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -85.676+/-0.457 χ^2/NDF:928.1/5

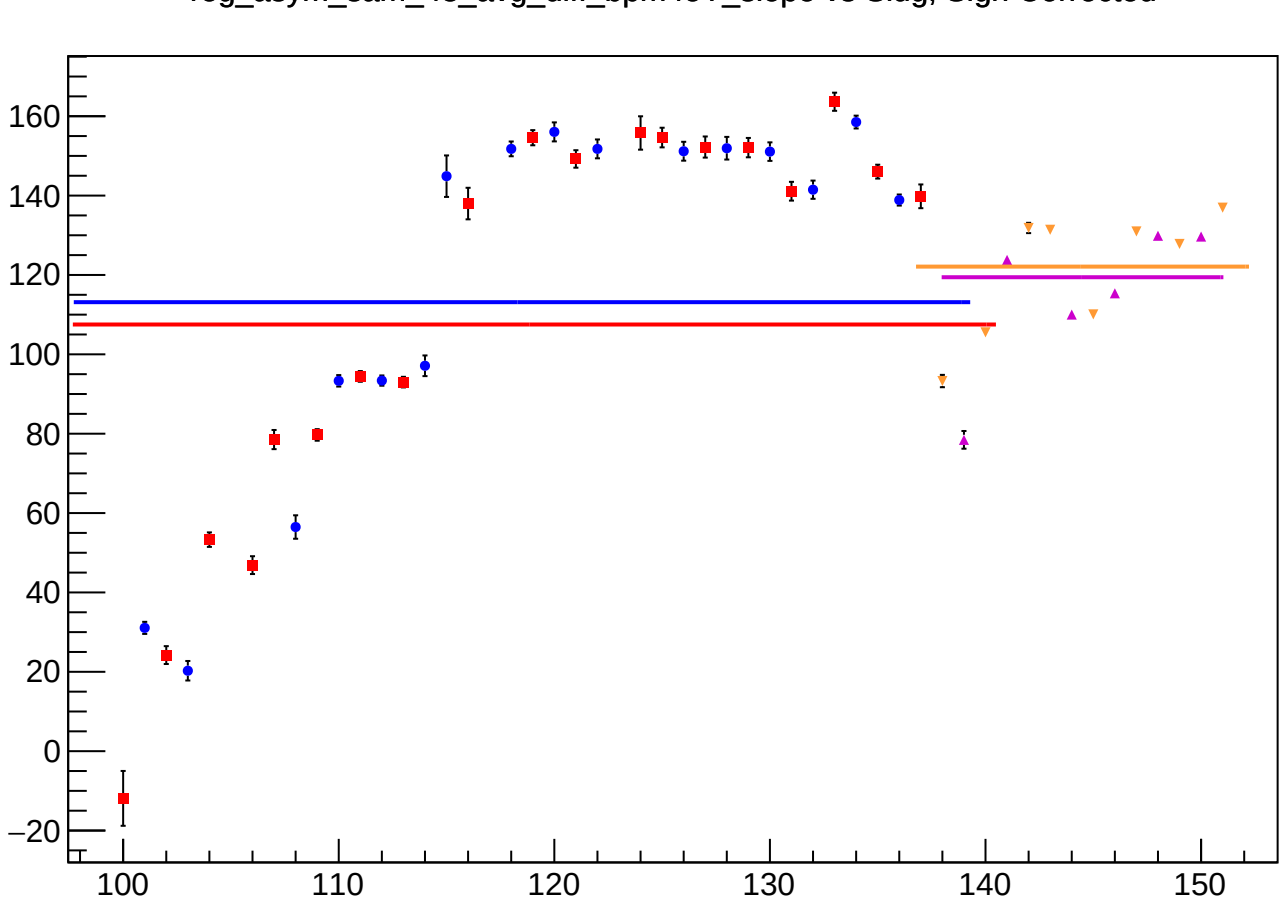
Left: -83.920+/-0.312 χ^2/NDF: 2393.3/13

Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -83.289+/-0.316 χ^2/NDF:3850.9/21

Out: -79.833+/-0.298 χ^2/NDF:4638.0/26

All: -81.458+/-0.217 χ^2/NDF: 8552.2/48



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.104+/-0.359 χ^2/NDF:1311.5/7

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 119.427+/-0.384 χ^2/NDF:761.0/5

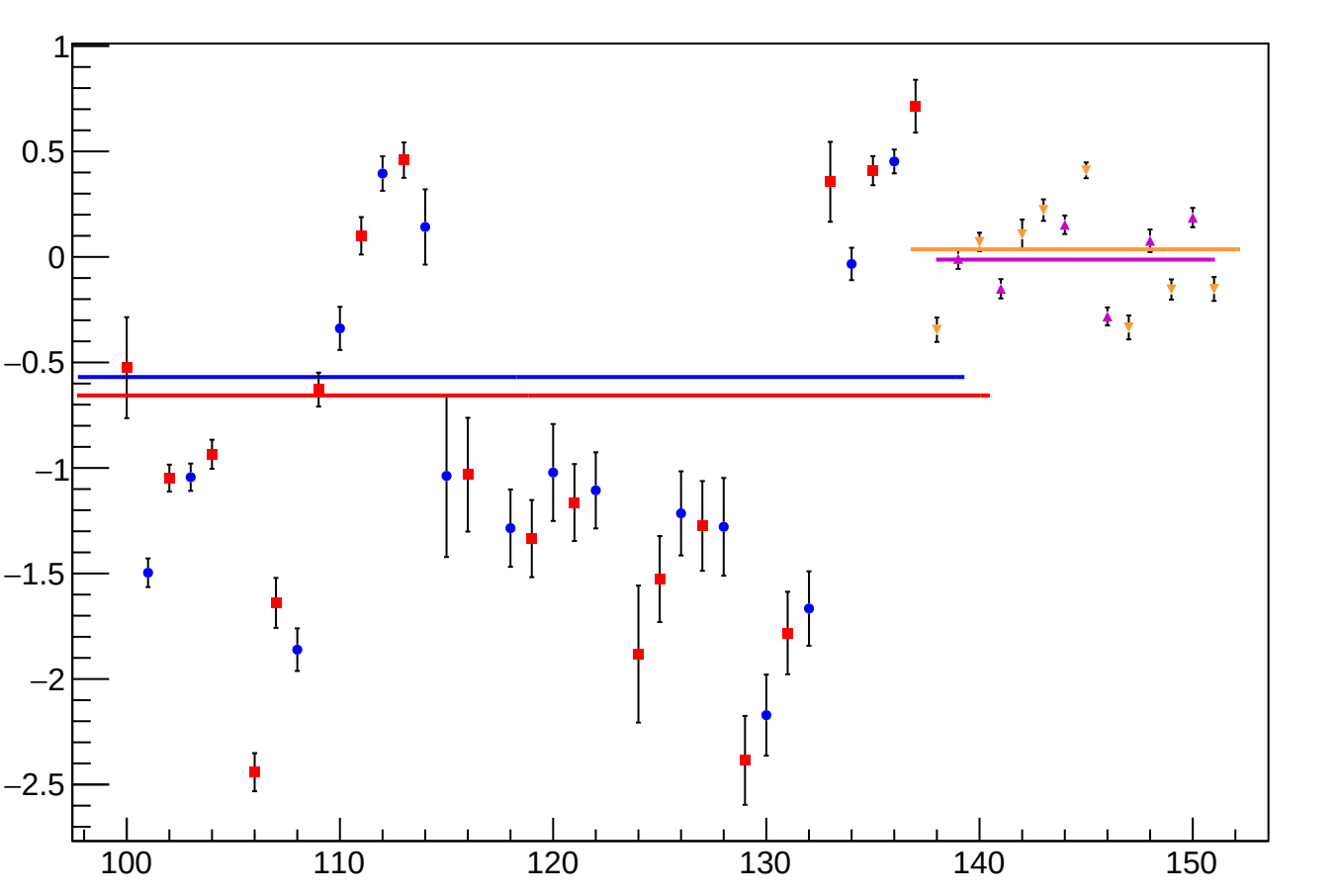
Left: 120.854+/-0.262 χ^2/NDF: 2098.4/13

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 117.031+/-0.302 χ^2/NDF:9067.3/21

Out: 116.857+/-0.287 χ^2/NDF:9448.7/26

All: 116.940+/-0.208 χ^2/NDF: 18516.1/48



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: 0.036+/-0.018 χ^2/NDF:228.4/7

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.013+/-0.019 χ^2/NDF:85.0/5

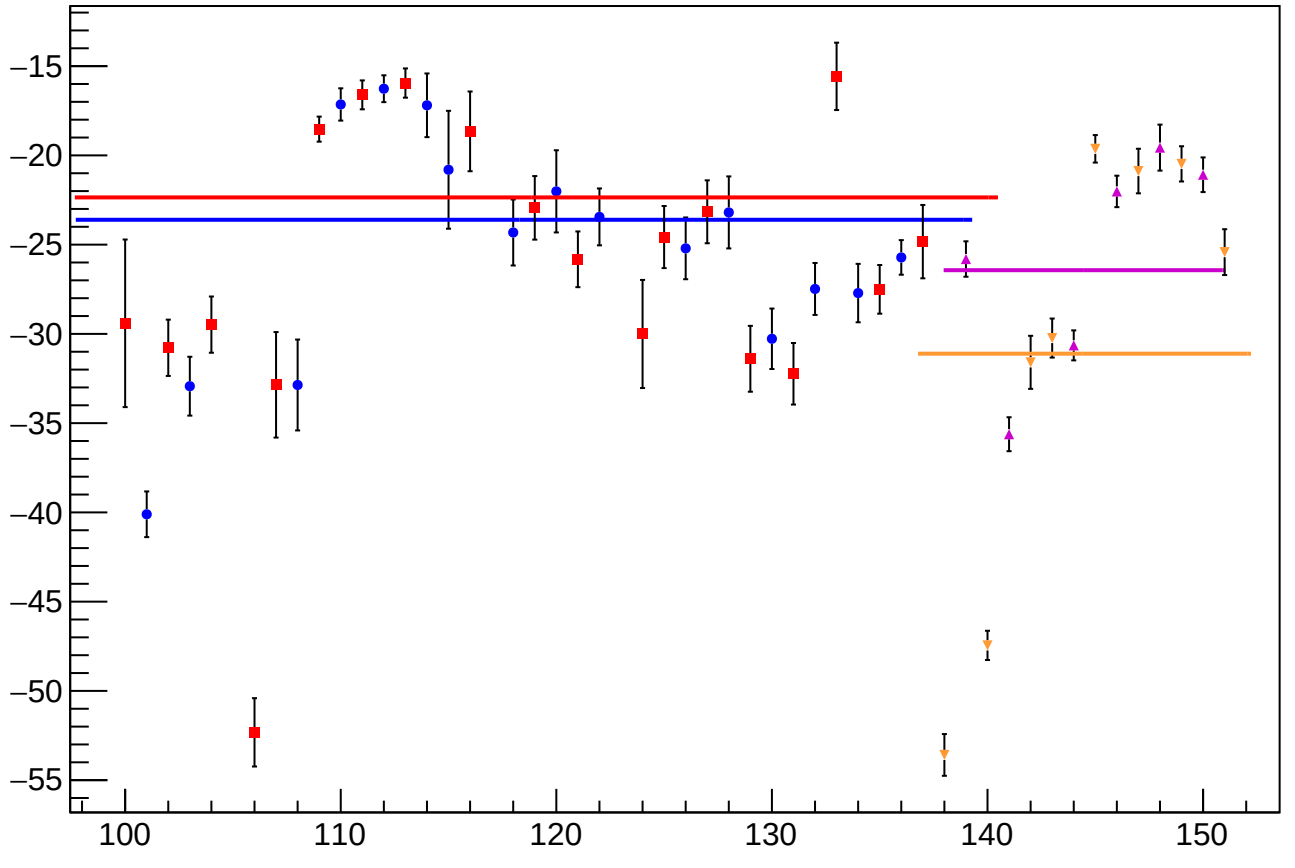
Left: 0.013+/-0.013 χ^2/NDF: 317.0/13

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.206+/-0.015 χ^2/NDF:1485.9/21

Out: -0.192+/-0.014 χ^2/NDF:2049.4/26

All: -0.199+/-0.010 χ^2/NDF: 3535.8/48



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.108+/-0.366 χ^2/NDF:1193.0/7

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -26.432+/-0.393 χ^2/NDF:202.7/5

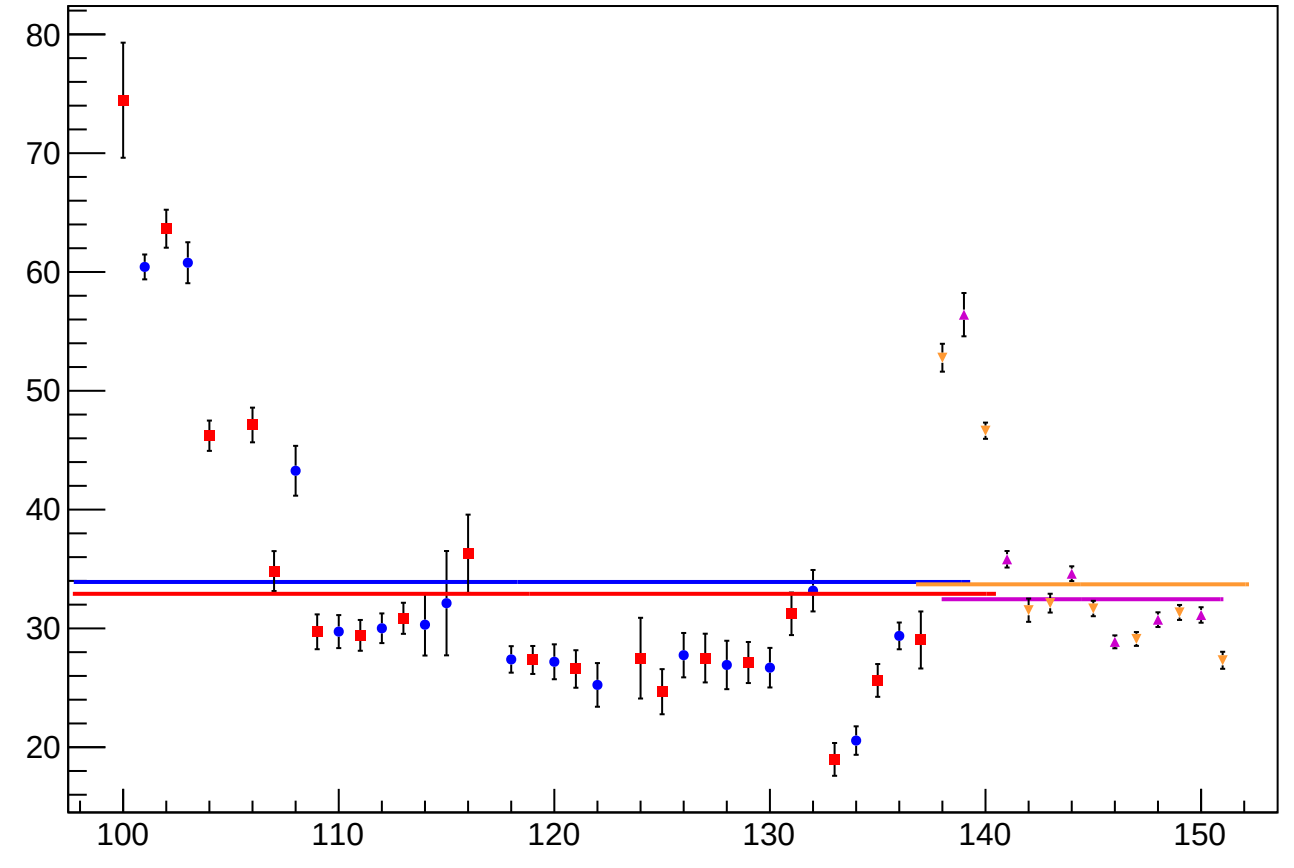
Left: -28.934+/-0.268 χ^2/NDF: 1471.7/13

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -24.851+/-0.261 χ^2/NDF:638.1/21

Out: -26.172+/-0.242 χ^2/NDF:2067.6/26

All: -25.561+/-0.177 χ^2/NDF: 2719.5/48



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.711+/-0.256 χ^2/NDF:798.4/7

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.456+/-0.275 χ^2/NDF:263.4/5

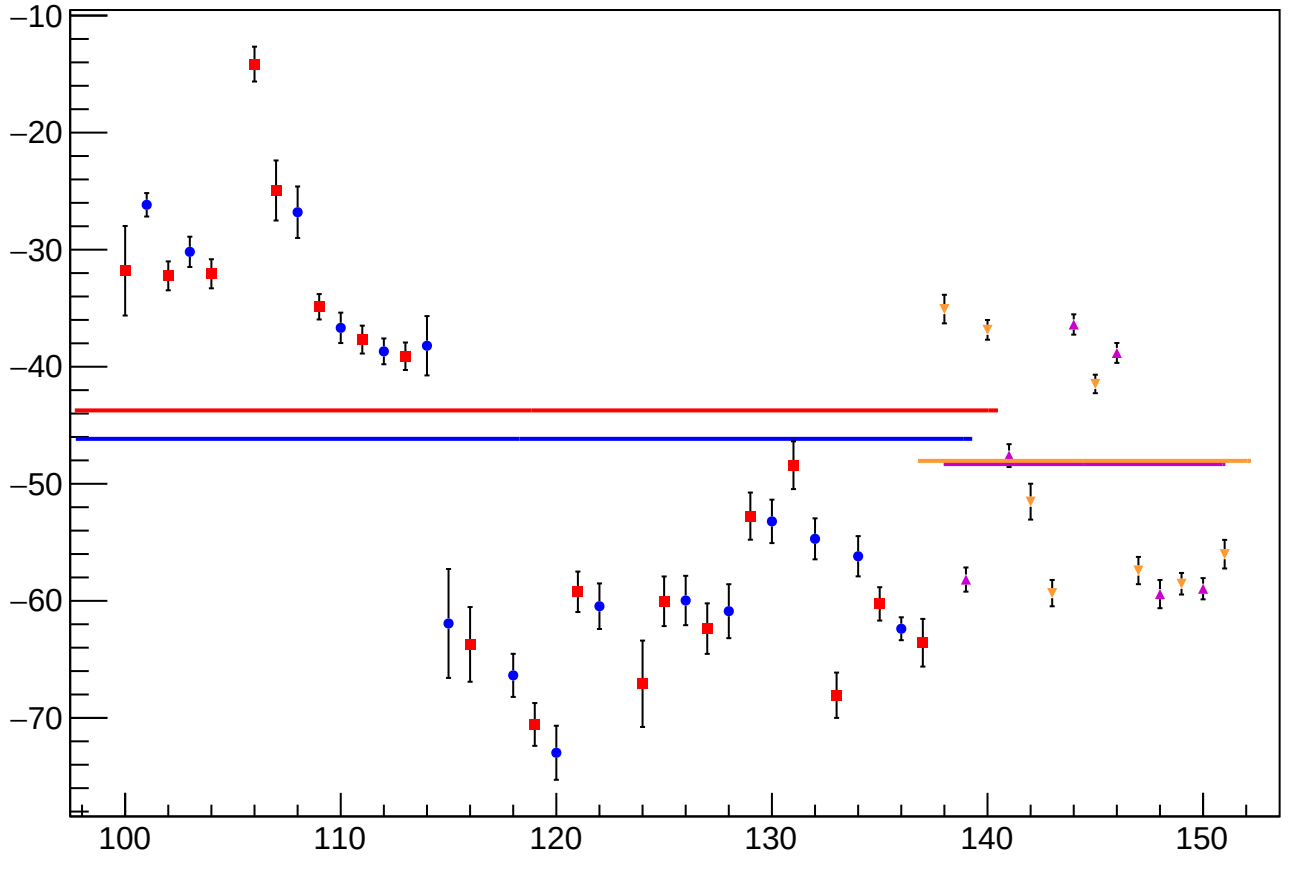
Left: 33.128+/-0.187 χ^2/NDF: 1073.0/13

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.962+/-0.222 χ^2/NDF:1457.6/21

Out: 33.455+/-0.211 χ^2/NDF:1676.5/26

All: 33.221+/-0.153 χ^2/NDF: 3136.7/48



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -48.040+/-0.366 χ^2/NDF:701.5/7

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -48.315+/-0.389 χ^2/NDF:629.2/5

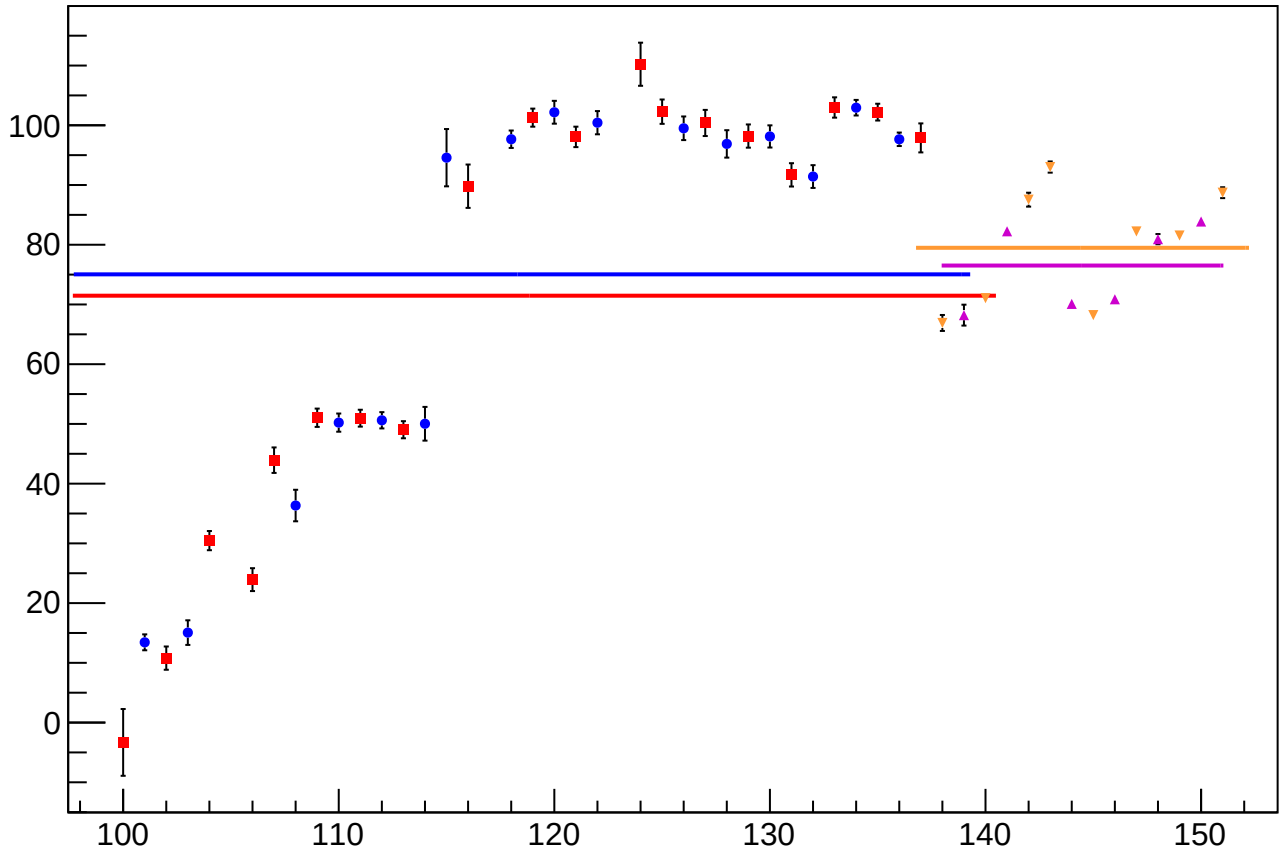
Left: -48.169+/-0.266 χ^2/NDF: 1330.9/13

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.241+/-0.275 χ^2/NDF:2134.2/21

Out: -45.959+/-0.263 χ^2/NDF:2431.9/26

All: -46.570+/-0.190 χ^2/NDF: 4577.4/48



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.488+/-0.311 χ^2/NDF:806.9/7

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 76.517+/-0.333 χ^2/NDF:341.7/5

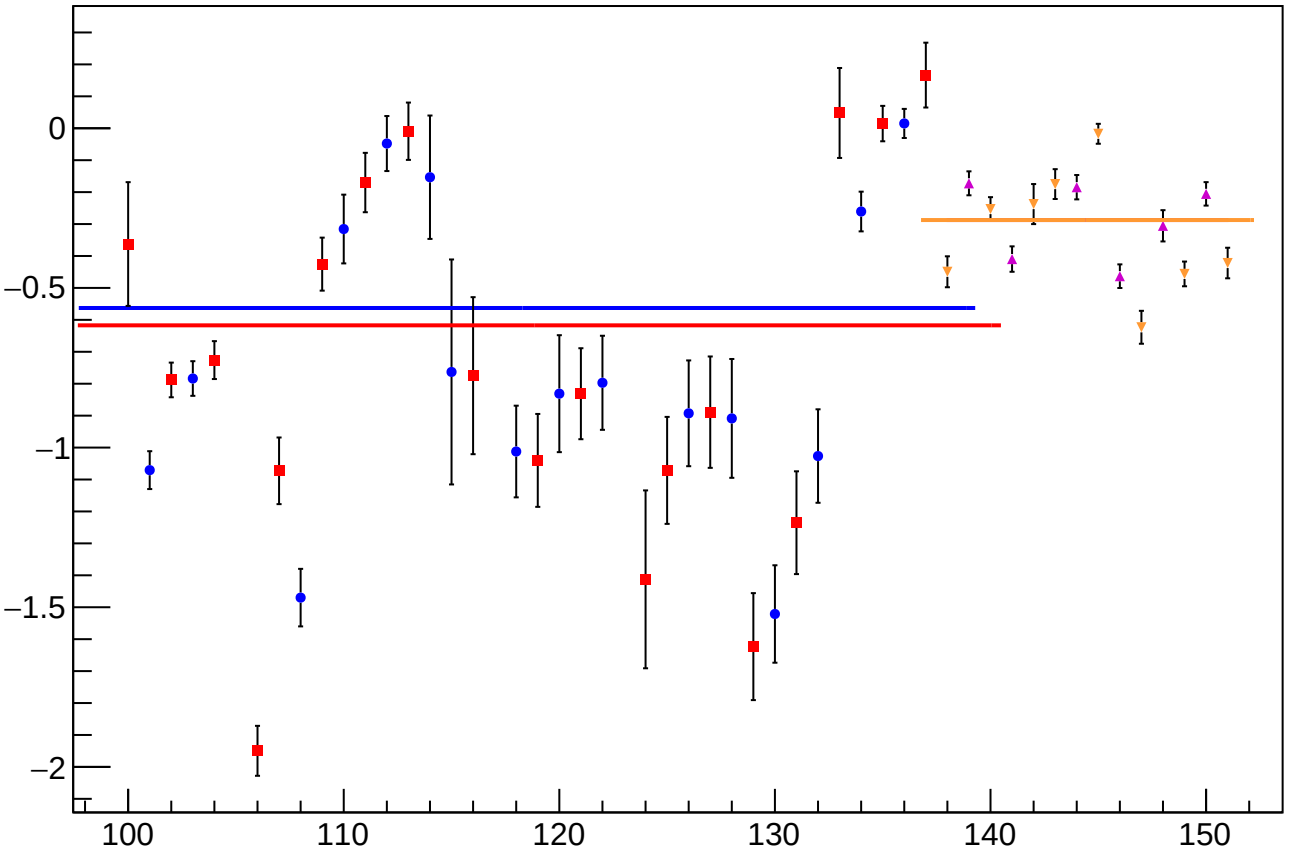
Left: 78.101+/-0.227 χ^2/NDF: 1191.1/13

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 75.960+/-0.263 χ^2/NDF:6177.4/21

Out: 76.691+/-0.251 χ^2/NDF:6666.2/26

All: 76.342+/-0.182 χ^2/NDF: 12847.7/48



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.287+/-0.015 χ^2/NDF:162.8/7

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.287+/-0.016 χ^2/NDF:53.8/5

Left: -0.287+/-0.011 χ^2/NDF: 216.6/13

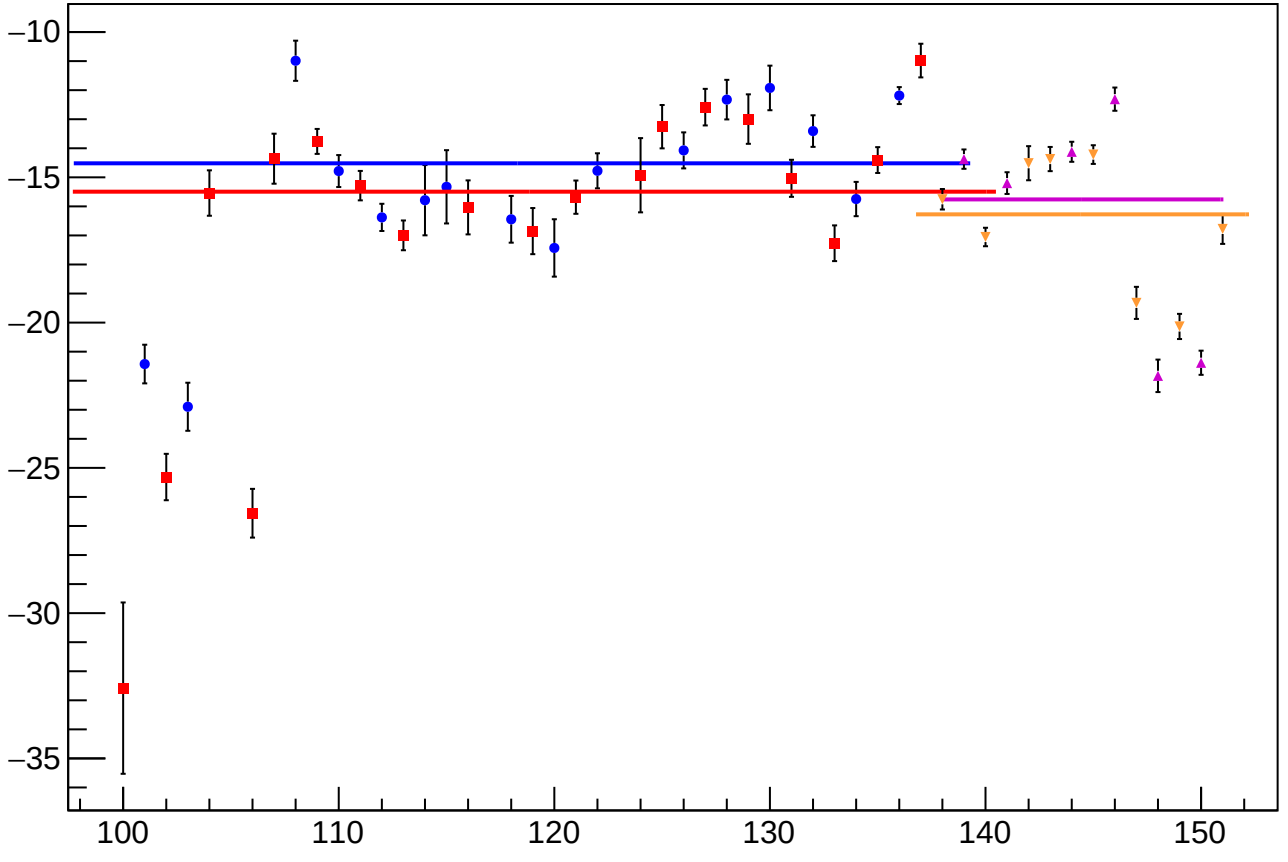
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.381+/-0.013 χ^2/NDF:648.0/21

Out: -0.392+/-0.013 χ^2/NDF:1003.5/26

All: -0.387+/-0.009 χ^2/NDF: 1652.0/48

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -16.274+/-0.143 χ^2/NDF:189.7/7

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.760+/-0.158 χ^2/NDF:417.5/5

Left: -16.043+/-0.106 χ^2/NDF: 613.0/13

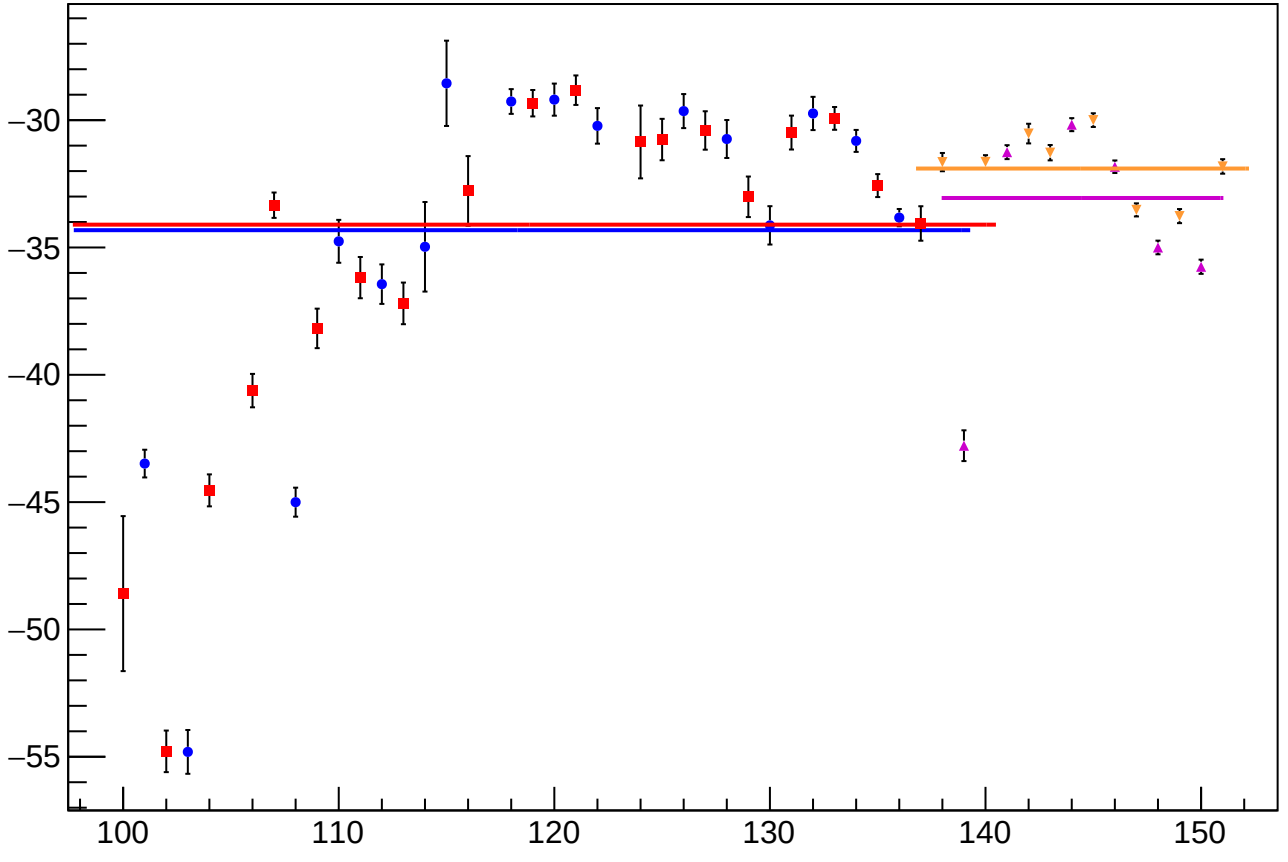
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -15.103+/-0.109 χ^2/NDF:813.4/21

Out: -15.902+/-0.104 χ^2/NDF:707.7/26

All: -15.521+/-0.075 χ^2/NDF: 1549.4/48

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: -31.900+/-0.103 χ^2/NDF:153.6/7

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -33.056+/-0.116 χ^2/NDF:599.4/5

Left: -32.411+/-0.077 χ^2/NDF: 808.6/13

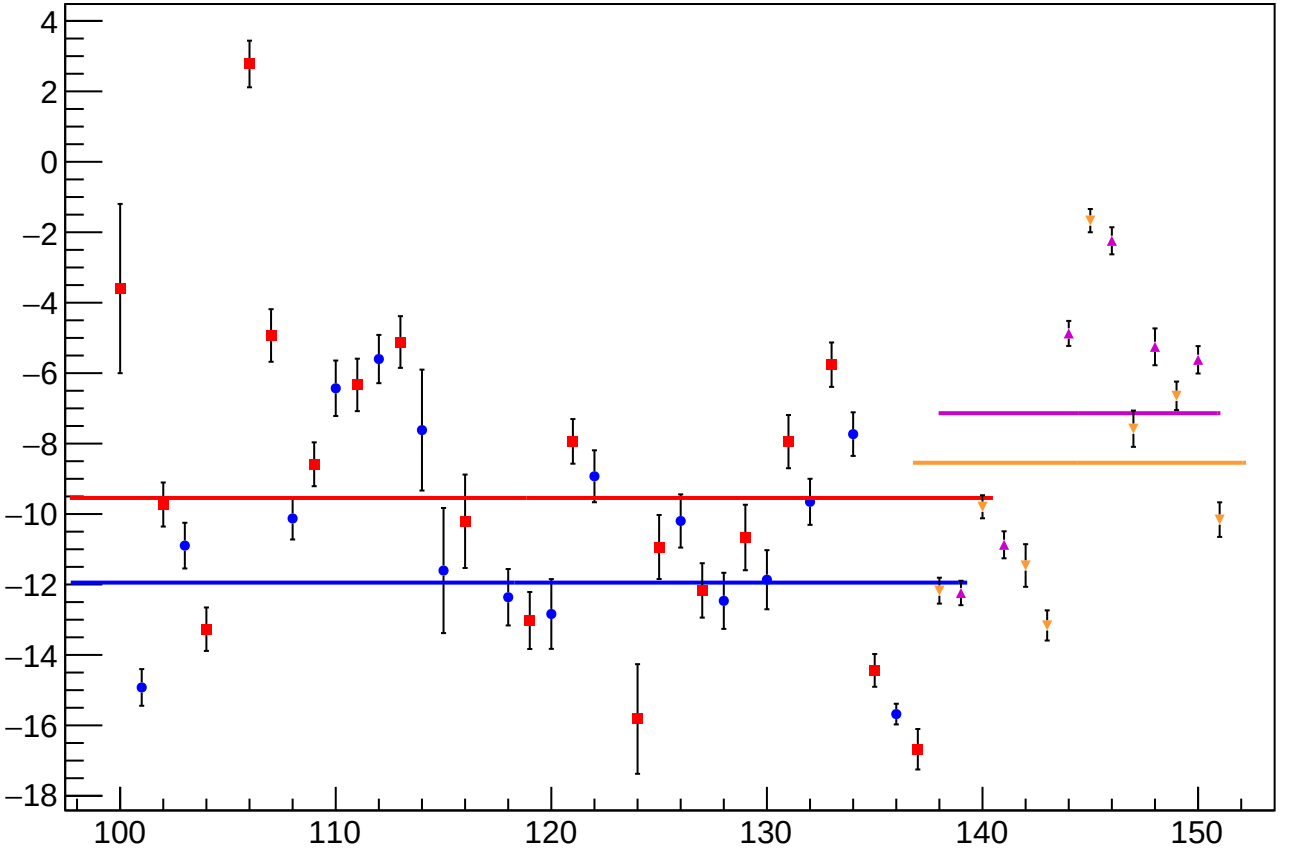
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -33.516+/-0.092 χ^2/NDF:2263.3/21

Out: -32.582+/-0.086 χ^2/NDF:1729.6/26

All: -33.014+/-0.063 χ^2/NDF: 4047.8/48

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: -8.544+/-0.144 χ^2/NDF:721.6/7

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.137+/-0.158 χ^2/NDF:542.9/5

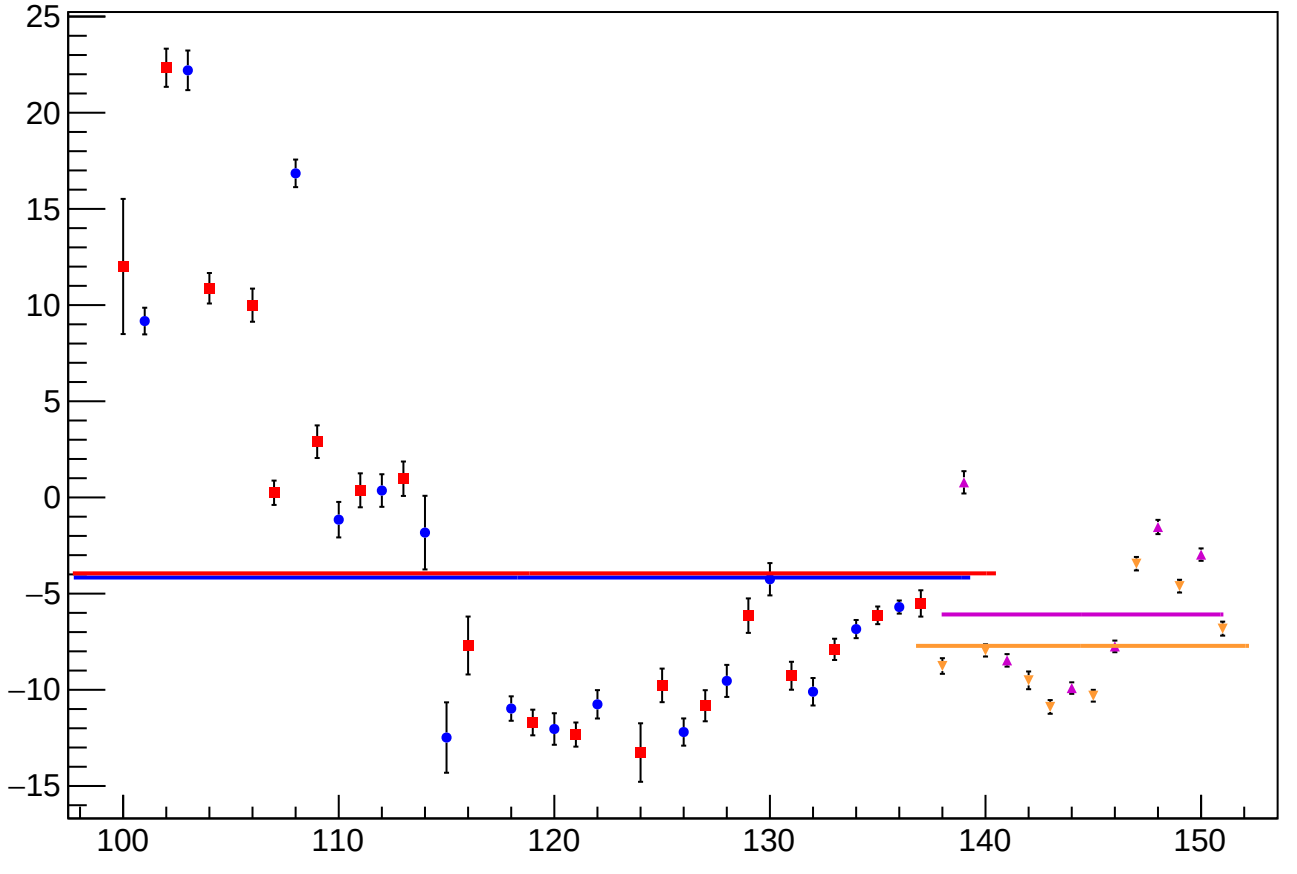
Left: -7.904+/-0.106 χ^2/NDF: 1307.8/13

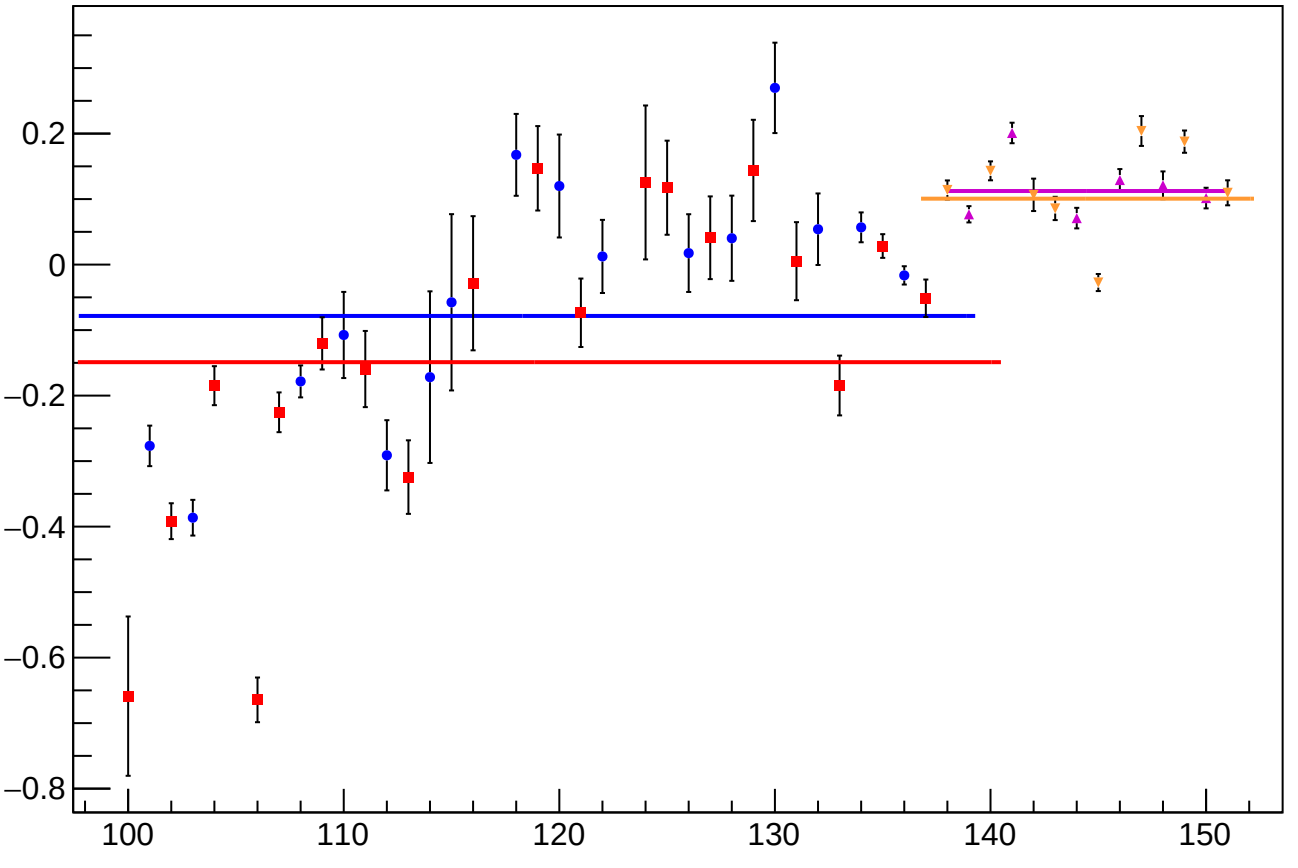
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.508+/-0.112 χ^2/NDF:1430.2/21

Out: -8.976+/-0.109 χ^2/NDF:1589.5/26

All: -9.233+/-0.078 χ^2/NDF: 3031.3/48


reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
Right In: -4.163+/-0.172 χ²/NDF: 2525.0/15
Left Out: -7.716+/-0.125 χ²/NDF:414.6/7
Right Out: -3.947+/-0.176 χ²/NDF: 2110.2/18
Left In: -6.083+/-0.140 χ²/NDF:631.2/5
Left: -6.988+/-0.093 χ²/NDF: 1121.7/13
Right: -4.057+/-0.123 χ²/NDF: 4636.0/34
In: -5.321+/-0.108 χ²/NDF:3231.5/21
Out: -6.450+/-0.102 χ²/NDF:2829.3/26
All: -5.920+/-0.074 χ²/NDF: 6118.4/48



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.101+/-0.006 χ^2/NDF:153.6/7

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.112+/-0.006 χ^2/NDF:48.9/5

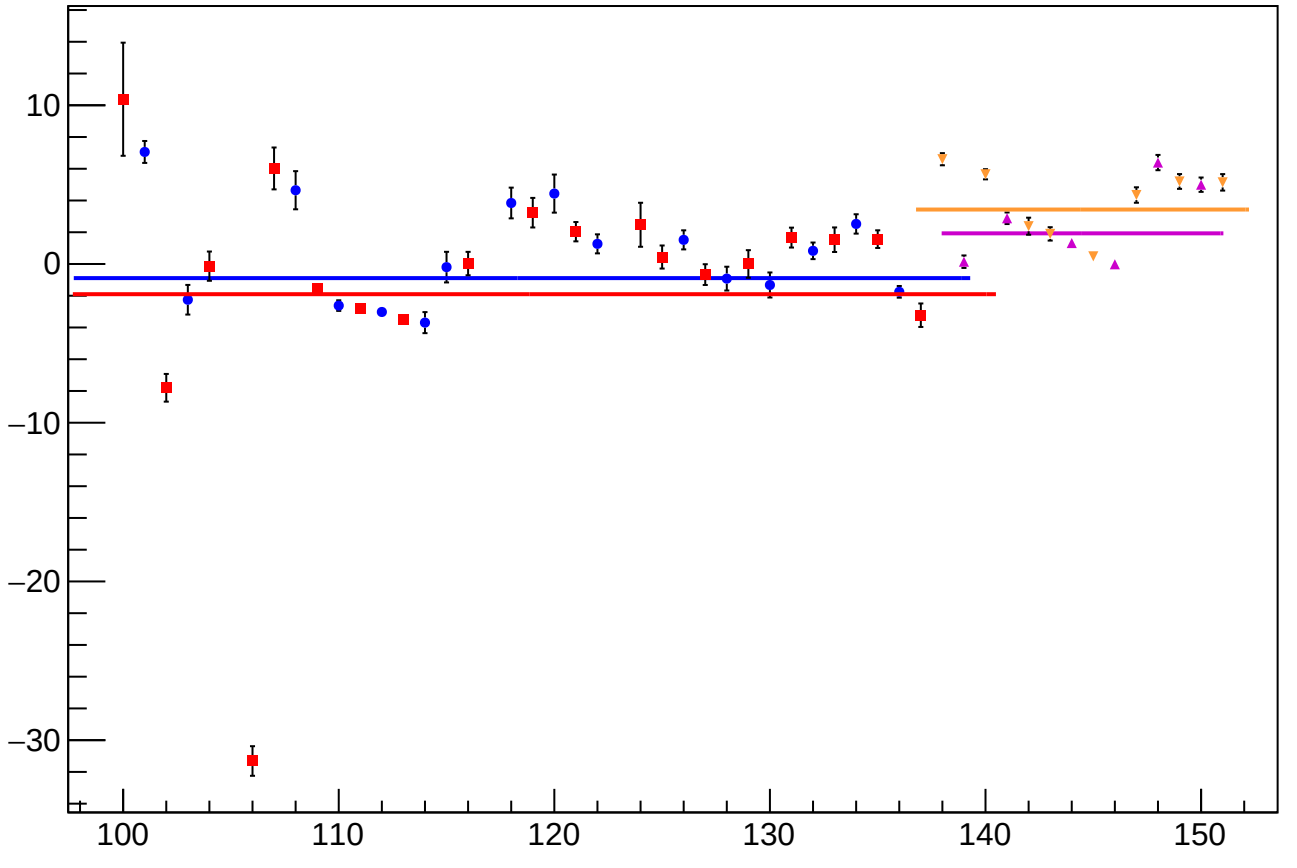
Left: 0.106+/-0.004 χ^2/NDF: 204.2/13

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.044+/-0.005 χ^2/NDF:685.8/21

Out: 0.026+/-0.005 χ^2/NDF:1207.9/26

All: 0.035+/-0.004 χ^2/NDF: 1900.3/48



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.431+/-0.135 χ^2/NDF:307.5/7

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 1.931+/-0.144 χ^2/NDF:205.9/5

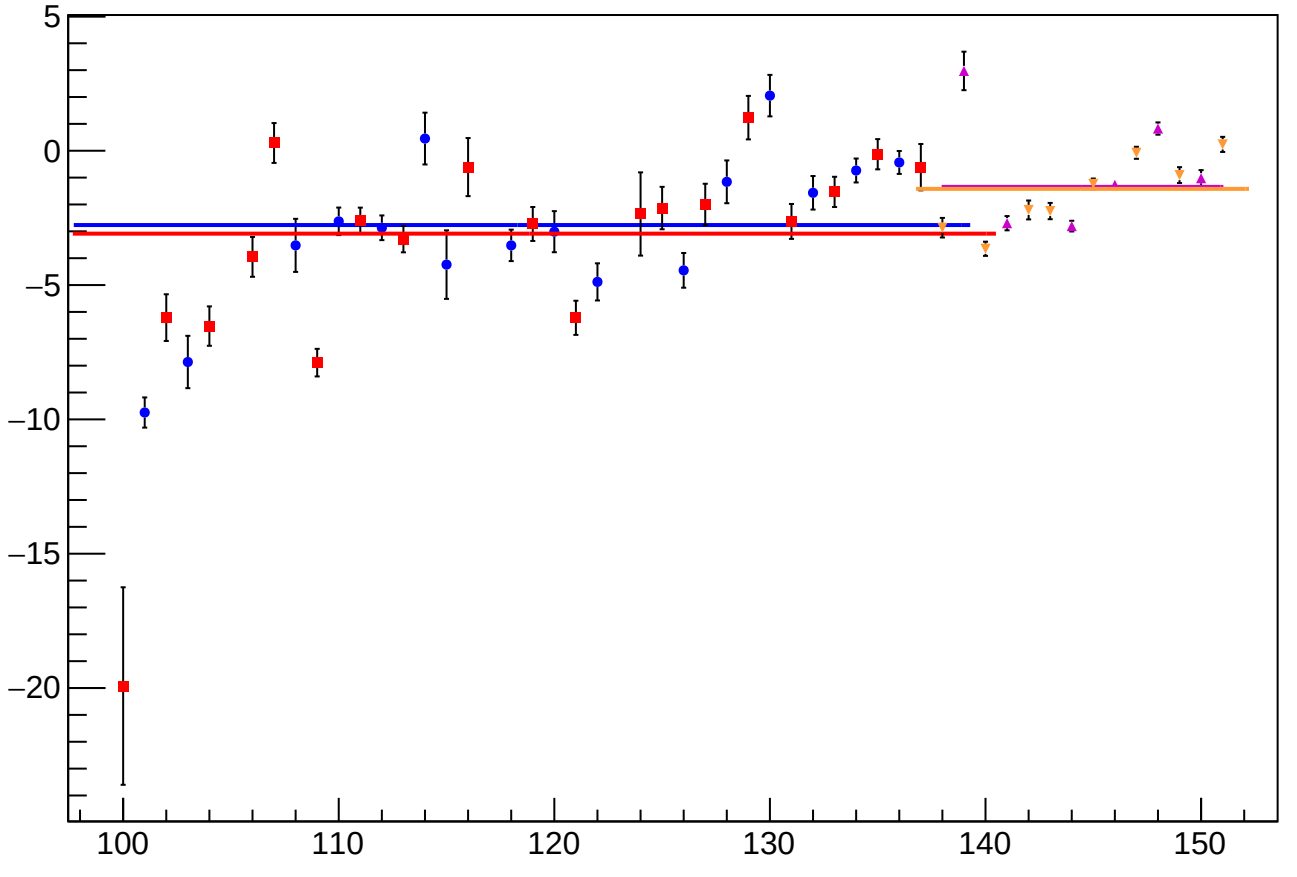
Left: 2.731+/-0.099 χ^2/NDF: 571.0/13

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 0.442+/-0.099 χ^2/NDF:787.4/21

Out: 0.629+/-0.093 χ^2/NDF:2459.0/26

All: 0.542+/-0.068 χ^2/NDF: 3248.2/48



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.419+/-0.095 χ^2/NDF:173.6/7

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.345+/-0.098 χ^2/NDF:207.9/5

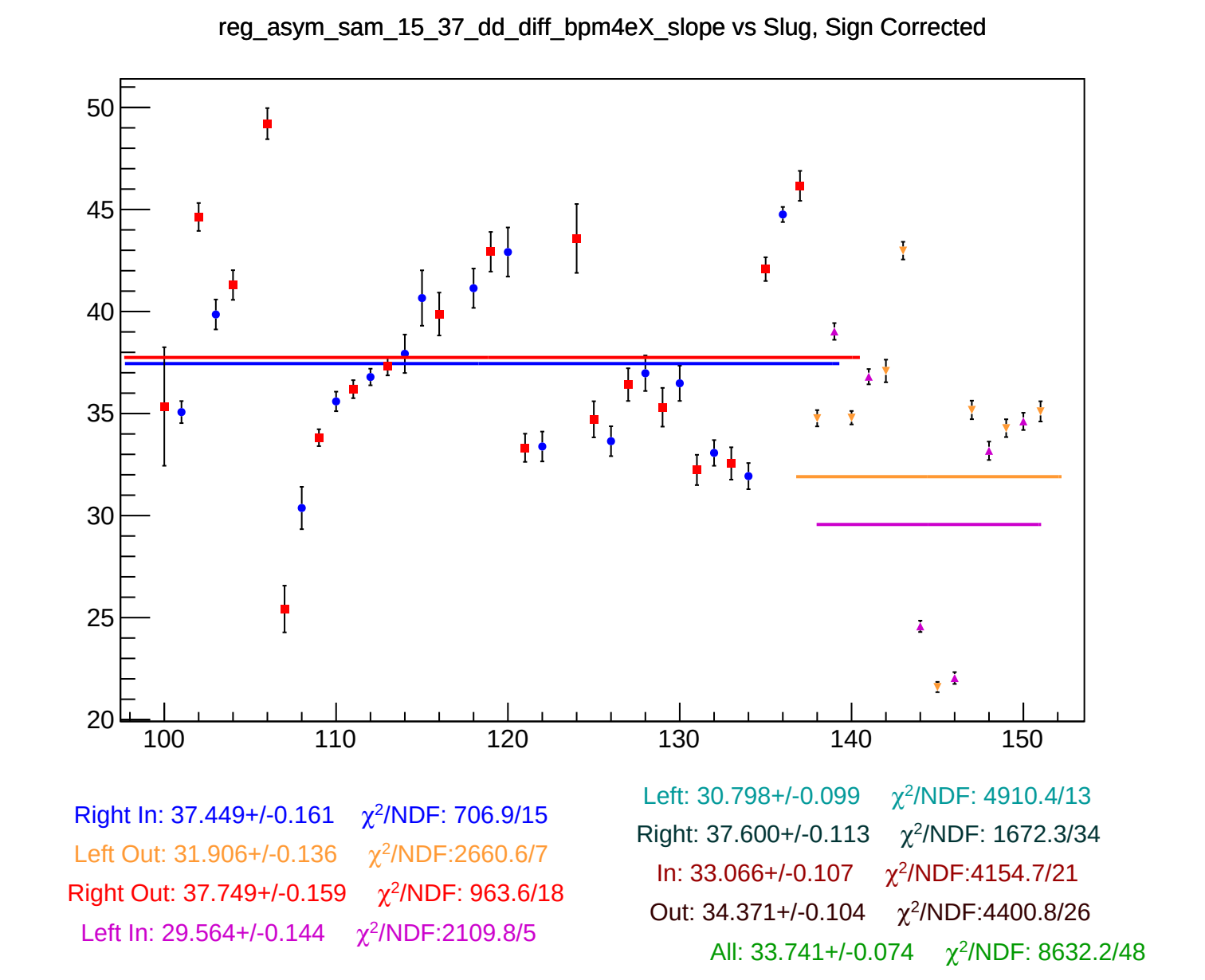
Left: -1.383+/-0.068 χ^2/NDF: 381.8/13

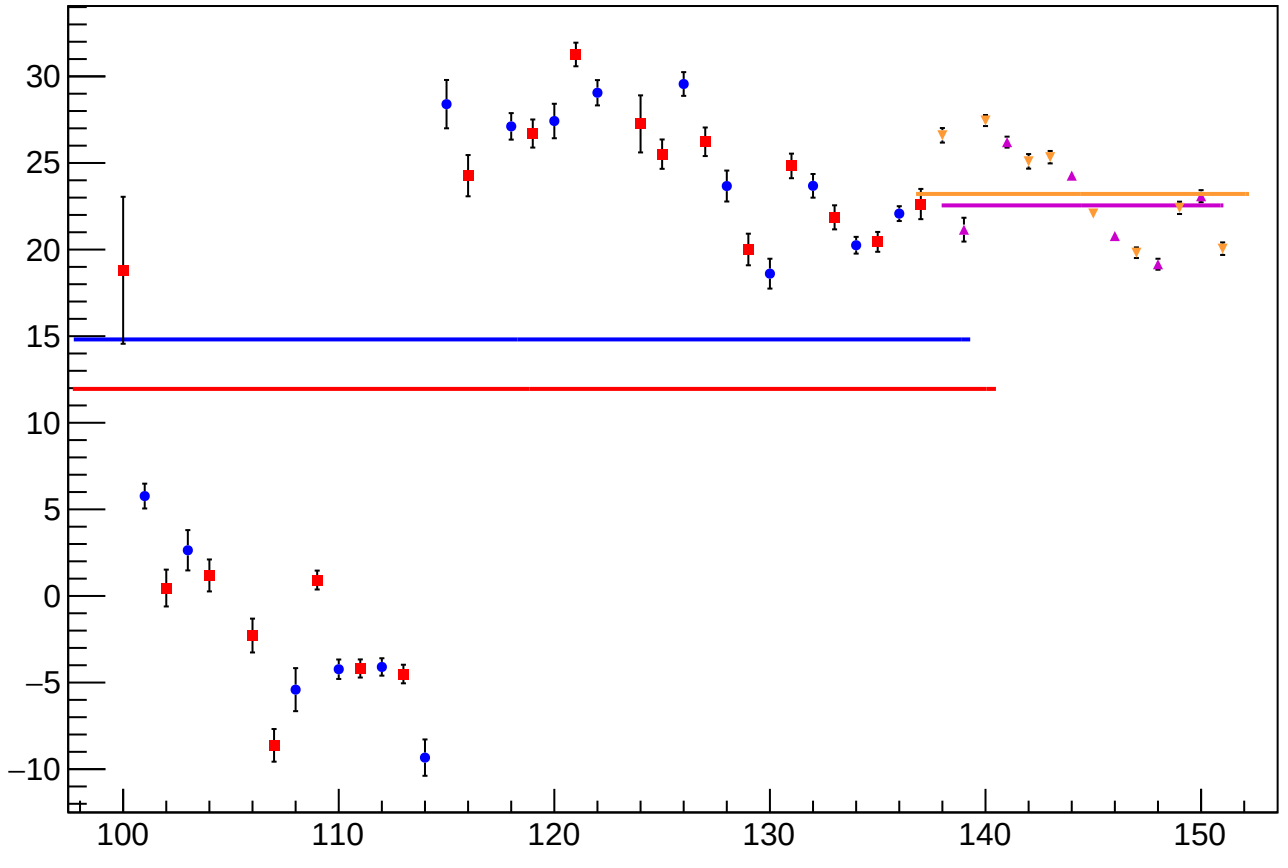
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.749+/-0.083 χ^2/NDF:577.2/21

Out: -1.867+/-0.082 χ^2/NDF:528.0/26

All: -1.809+/-0.058 χ^2/NDF: 1106.2/48


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
40
35
30
25
20
100
110
120
130
140
150
Right In: 37.449+/-0.161 χ2/NDF: 706.9/15
Left Out: 31.906+/-0.136 χ2/NDF:2660.6/7
Right Out: 37.749+/-0.159 χ2/NDF: 963.6/18
Left In: 29.564+/-0.144 χ2/NDF:2109.8/5
Left: 30.798+/-0.099 χ2/NDF: 4910.4/13
Right: 37.600+/-0.113 χ2/NDF: 1672.3/34
In: 33.066+/-0.107 χ2/NDF:4154.7/21
Out: 34.371+/-0.104 χ2/NDF:4400.8/26
All: 33.741+/-0.074 χ2/NDF: 8632.2/48



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.212+/-0.116 χ^2/NDF:523.5/7

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.551+/-0.121 χ^2/NDF:371.7/5

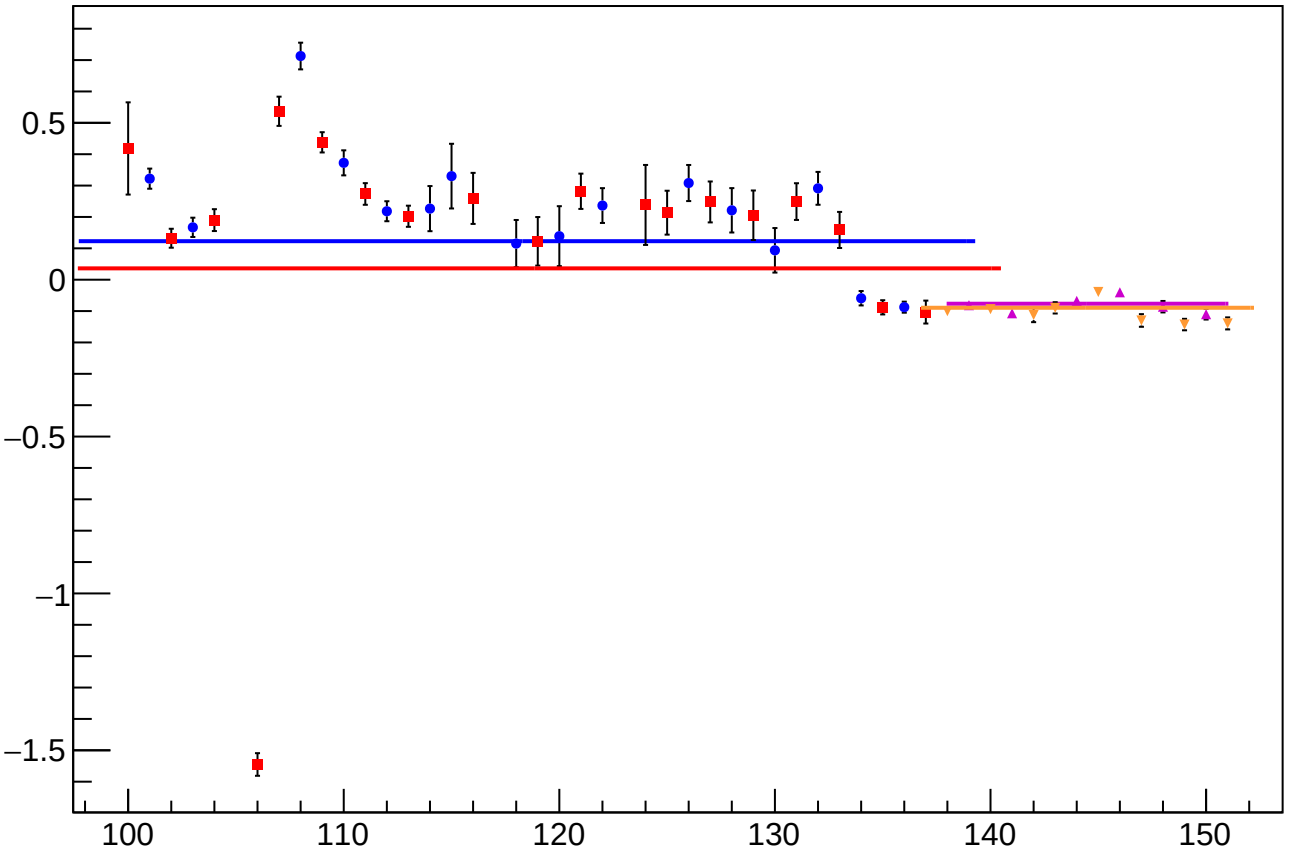
Left: 22.894+/-0.084 χ^2/NDF: 910.9/13

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 20.038+/-0.099 χ^2/NDF:7395.7/21

Out: 19.815+/-0.097 χ^2/NDF:9459.1/26

All: 19.924+/-0.069 χ^2/NDF: 16857.3/48



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.089+/-0.006 χ^2/NDF:46.2/7

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.077+/-0.006 χ^2/NDF:17.1/5

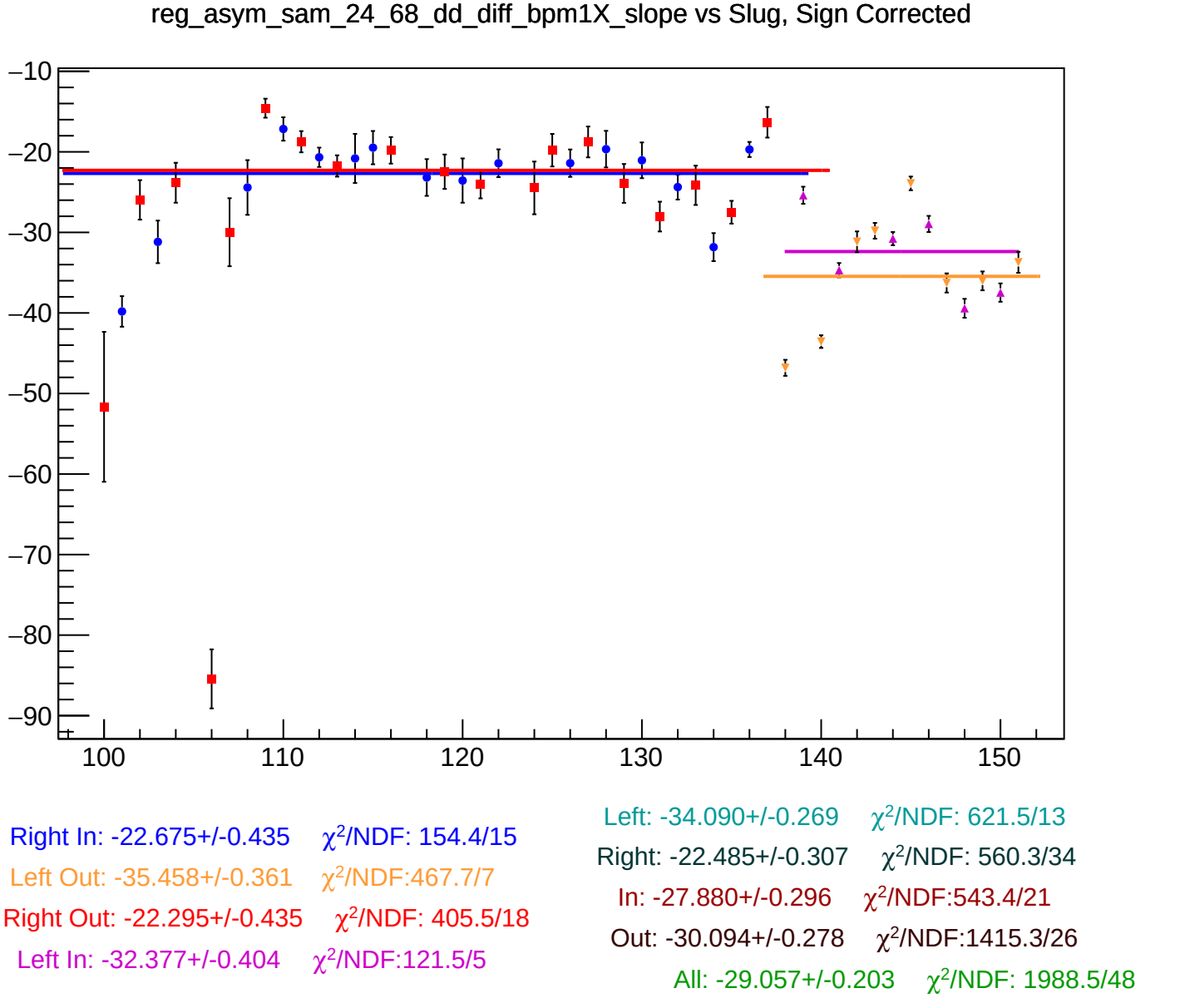
Left: -0.083+/-0.004 χ^2/NDF: 65.8/13

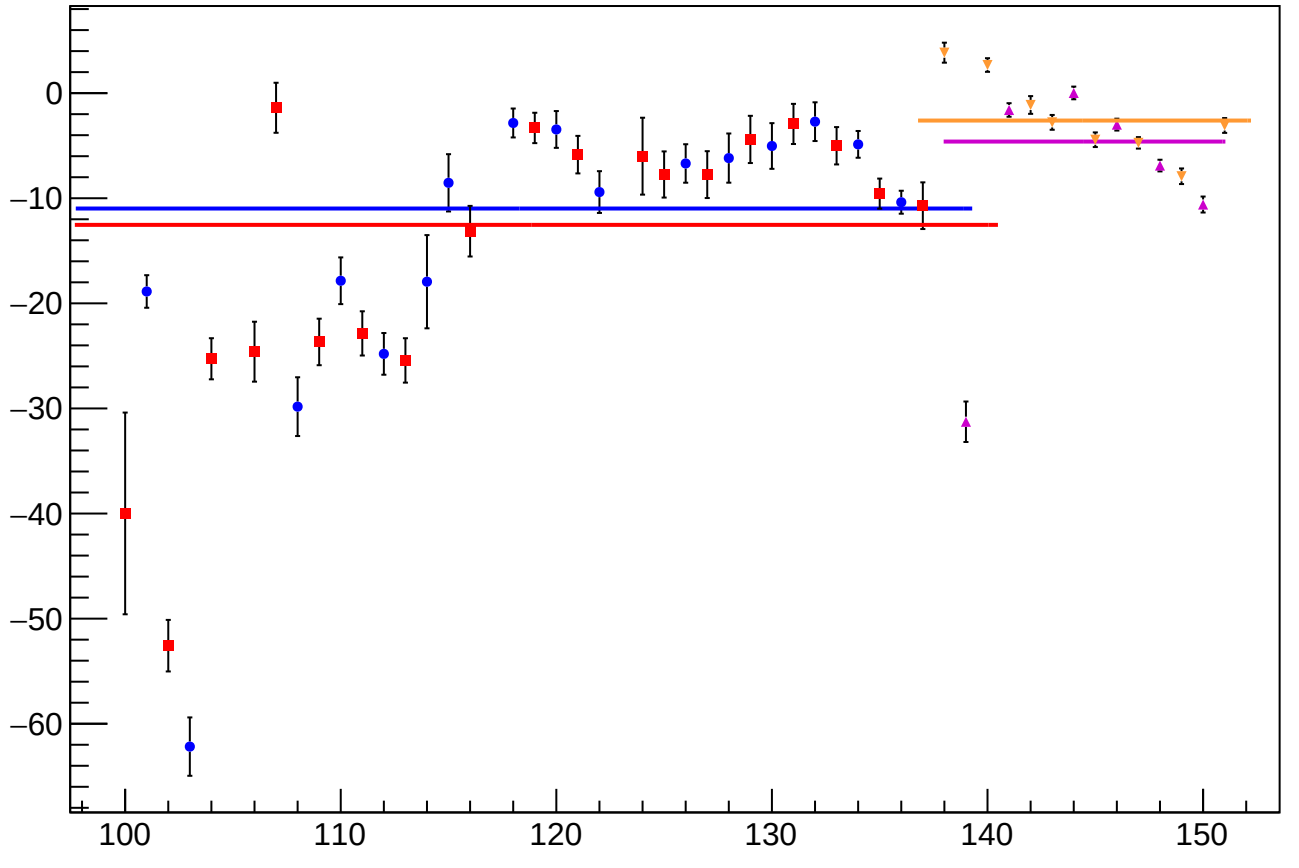
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.020+/-0.005 χ^2/NDF:858.0/21

Out: -0.058+/-0.005 χ^2/NDF:2585.0/26

All: -0.040+/-0.003 χ^2/NDF: 3473.2/48


reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
Right In: -22.675+/-0.435 χ²/NDF: 154.4/15
Left Out: -35.458+/-0.361 χ²/NDF:467.7/7
Right Out: -22.295+/-0.435 χ²/NDF: 405.5/18
Left In: -32.377+/-0.404 χ²/NDF:121.5/5
Left: -34.090+/-0.269 χ²/NDF: 621.5/13
Right: -22.485+/-0.307 χ²/NDF: 560.3/34
In: -27.880+/-0.296 χ²/NDF:543.4/21
Out: -30.094+/-0.278 χ²/NDF:1415.3/26
All: -29.057+/-0.203 χ²/NDF: 1988.5/48



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.607+/-0.249 χ^2/NDF:188.9/7

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.607+/-0.272 χ^2/NDF:359.3/5

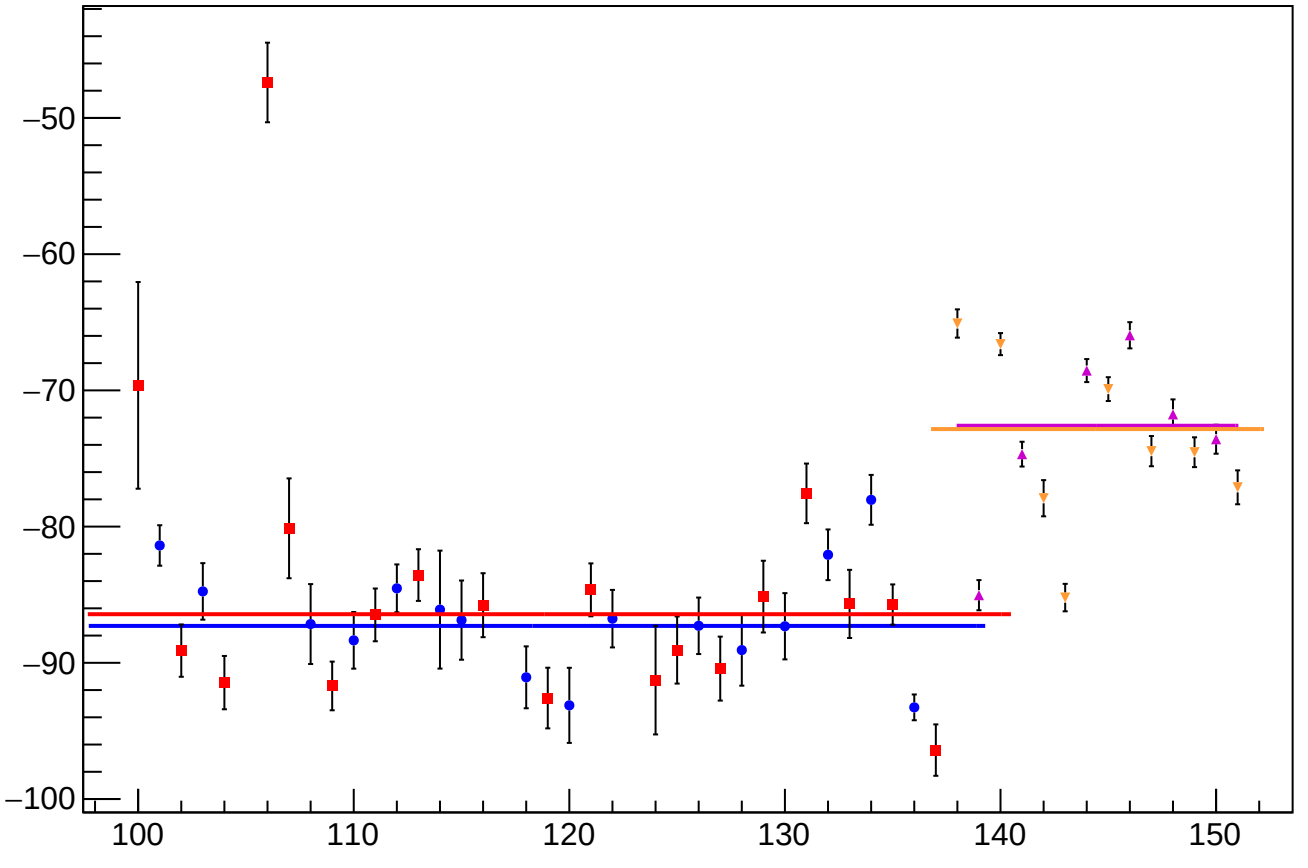
Left: -3.519+/-0.184 χ^2/NDF: 577.6/13

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

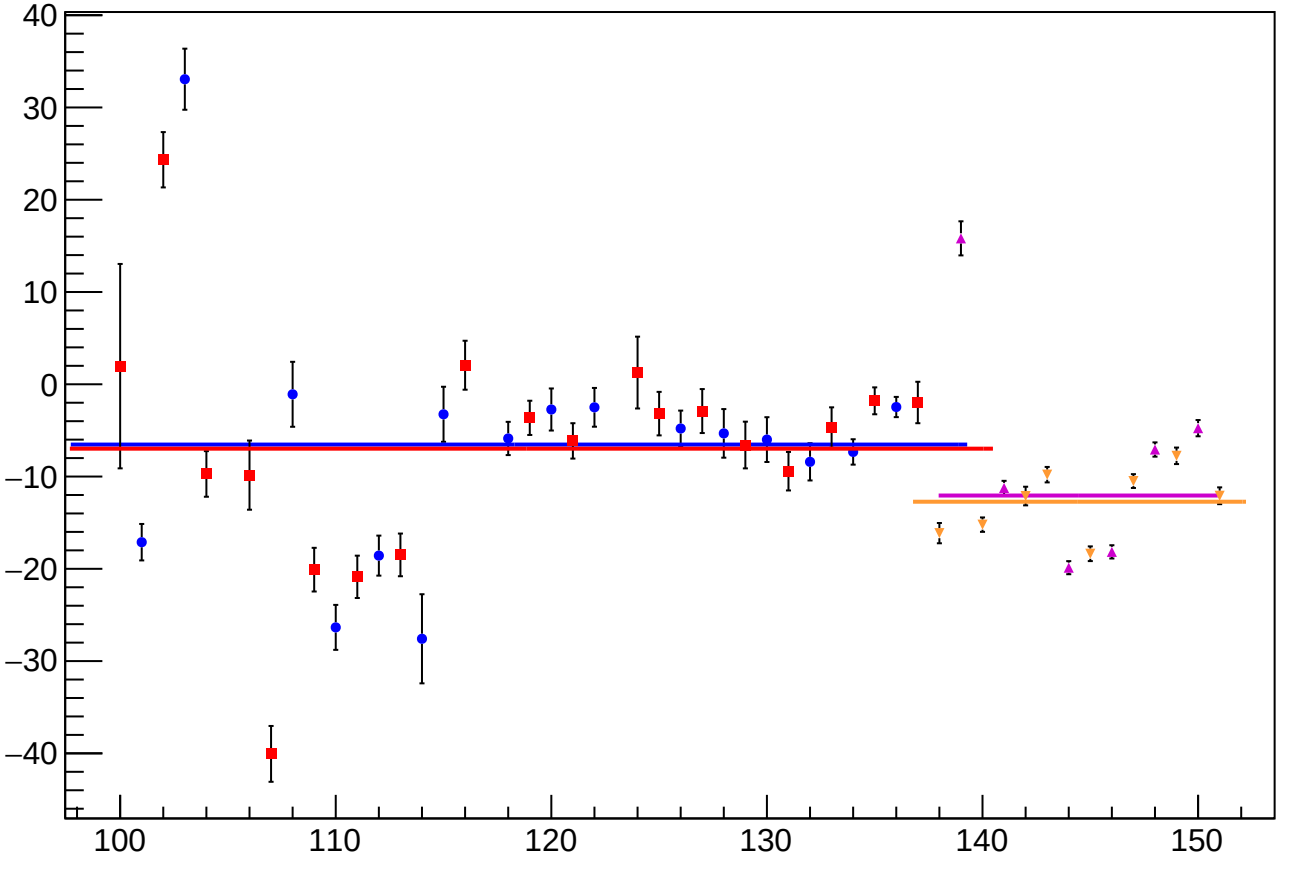
In: -6.293+/-0.233 χ^2/NDF:1091.8/21

Out: -4.704+/-0.221 χ^2/NDF:1096.9/26

All: -5.456+/-0.160 χ^2/NDF: 2213.2/48


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
Right In: -87.291+/-0.481 χ²/NDF: 101.2/15
Left Out: -72.840+/-0.363 χ²/NDF:307.9/7
Right Out: -86.431+/-0.506 χ²/NDF: 264.8/18
Left In: -72.596+/-0.401 χ²/NDF:203.5/5
Left: -72.731+/-0.269 χ²/NDF: 511.6/13
Right: -86.883+/-0.348 χ²/NDF: 367.6/34
In: -78.629+/-0.308 χ²/NDF:855.8/21
Out: -77.452+/-0.295 χ²/NDF:1049.5/26
All: -78.015+/-0.213 χ²/NDF: 1912.9/48

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.729+/-0.306 χ^2/NDF:122.7/7

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -12.057+/-0.336 χ^2/NDF:532.6/5

Left: -12.424+/-0.226 χ^2/NDF: 657.5/13

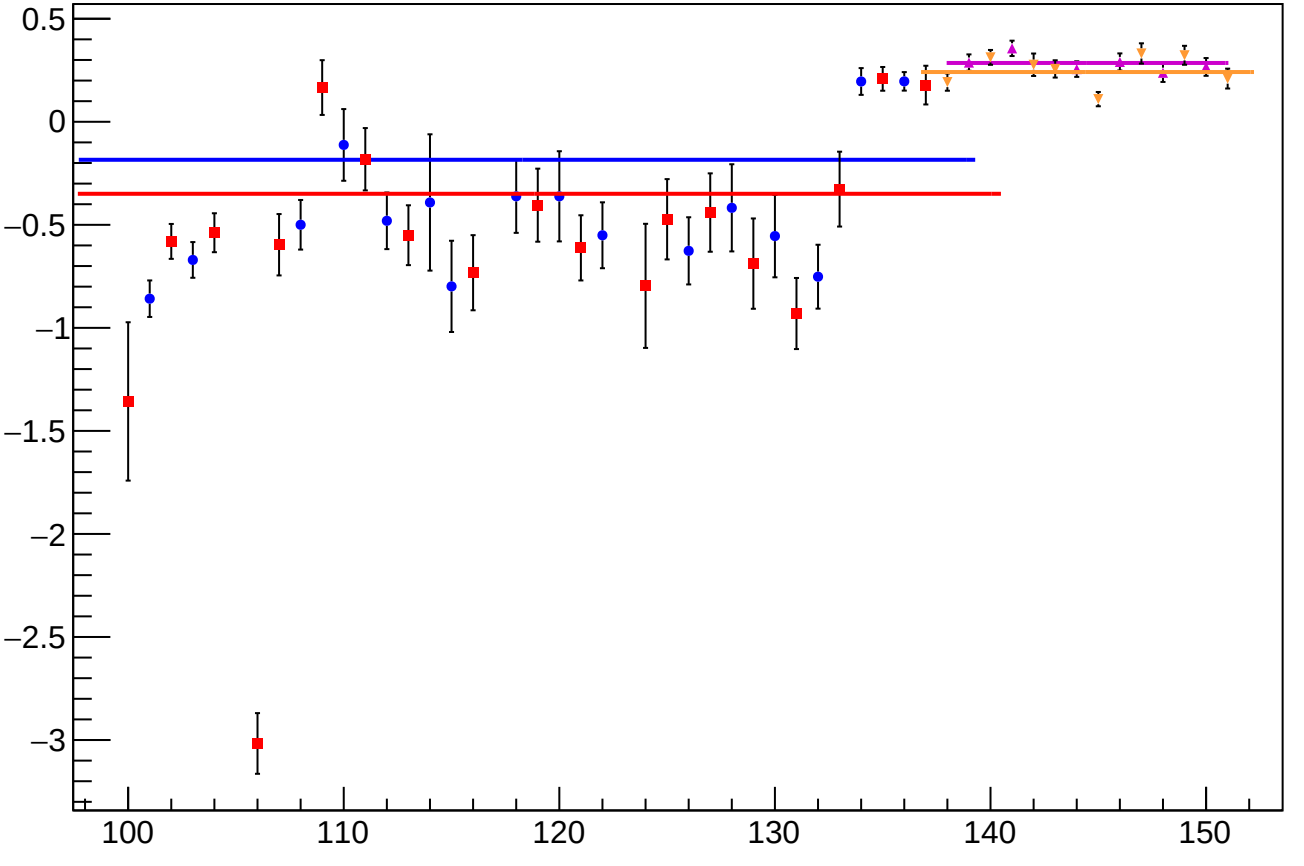
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -10.377+/-0.280 χ^2/NDF:928.8/21

Out: -11.338+/-0.266 χ^2/NDF:576.4/26

All: -10.882+/-0.193 χ^2/NDF: 1511.4/48

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: 0.241+/-0.015 χ^2/NDF:27.1/7

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.285+/-0.016 χ^2/NDF:5.6/5

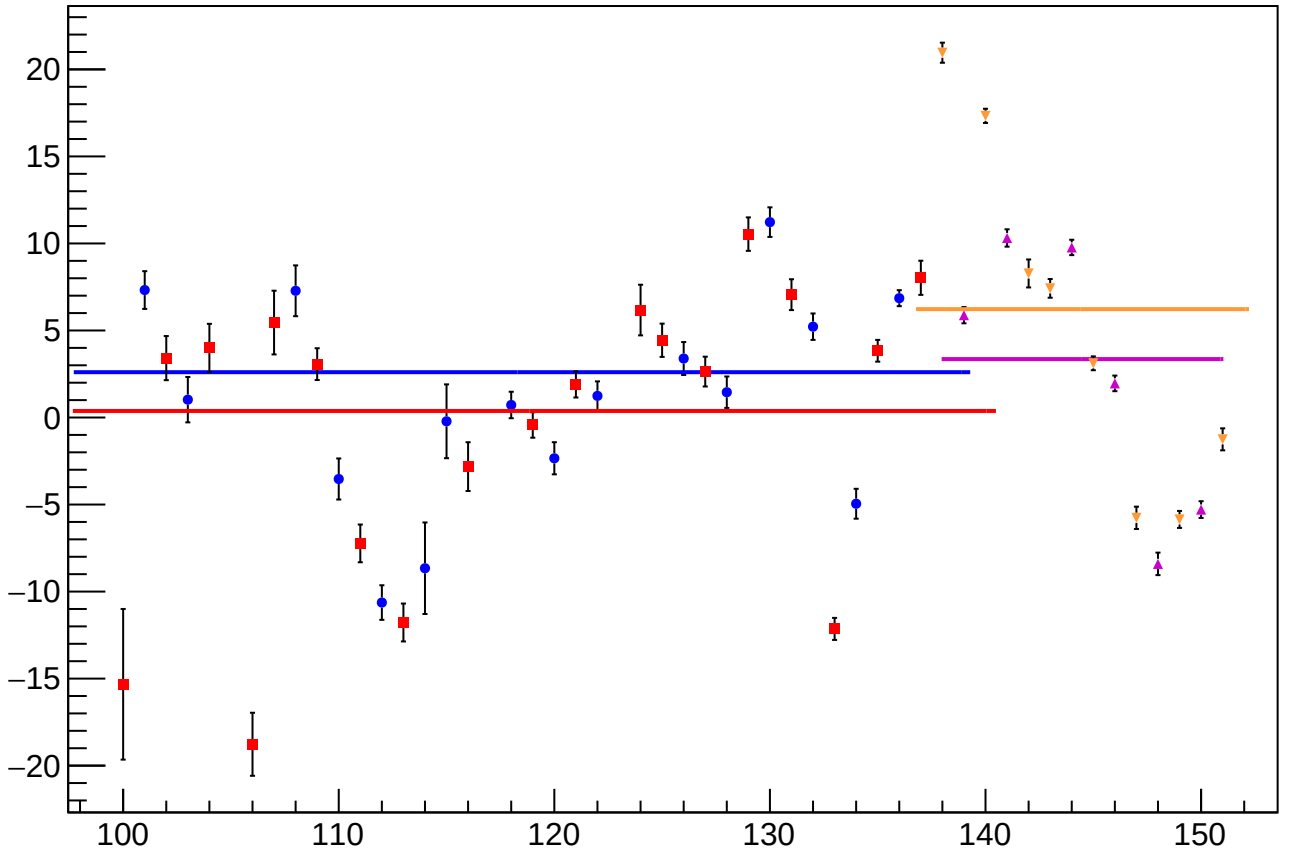
Left: 0.262+/-0.011 χ^2/NDF: 36.6/13

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.156+/-0.014 χ^2/NDF:476.3/21

Out: 0.118+/-0.013 χ^2/NDF:864.6/26

All: 0.136+/-0.010 χ^2/NDF: 1344.9/48



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.226+/-0.184 χ^2/NDF:2567.1/7

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.357+/-0.198 χ^2/NDF:1101.1/5

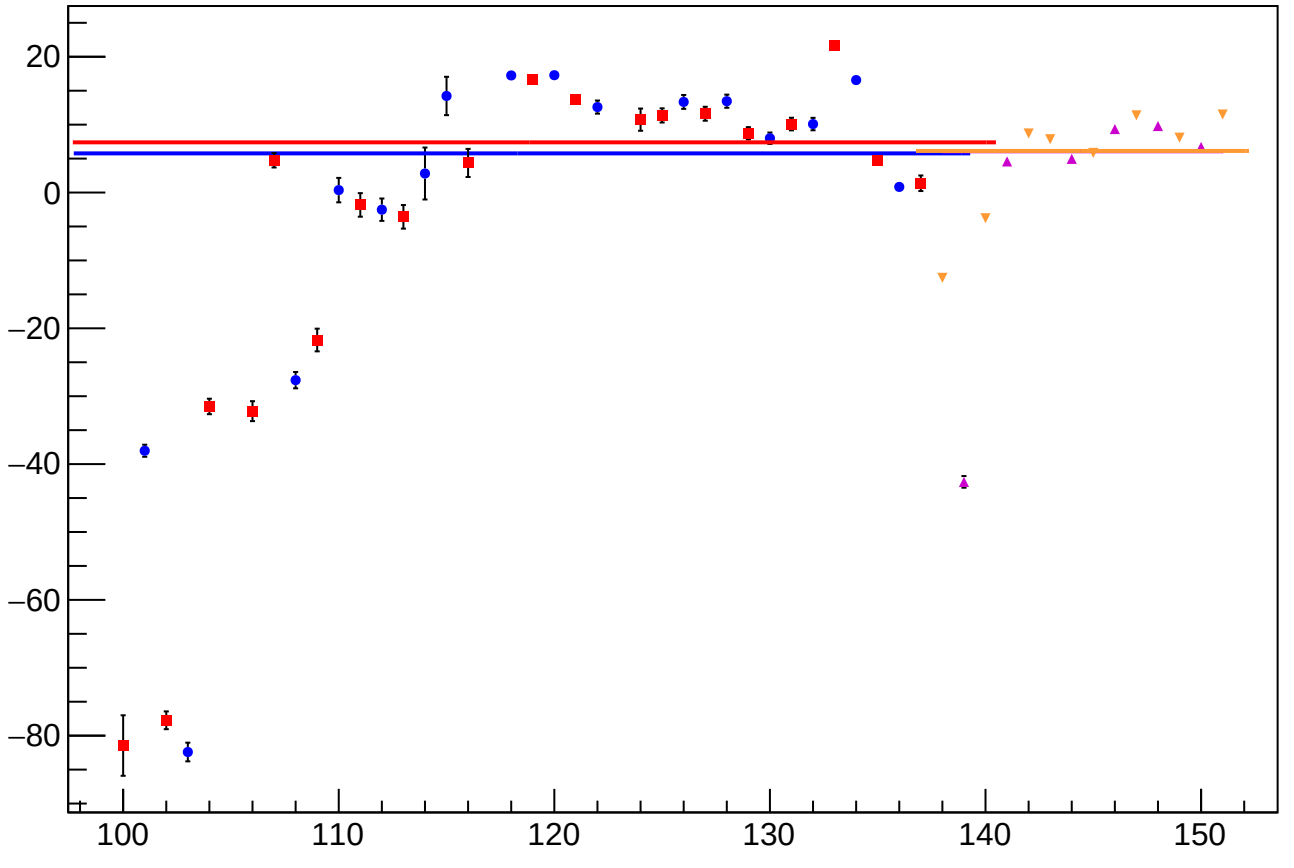
Left: 4.896+/-0.135 χ^2/NDF: 3780.6/13

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

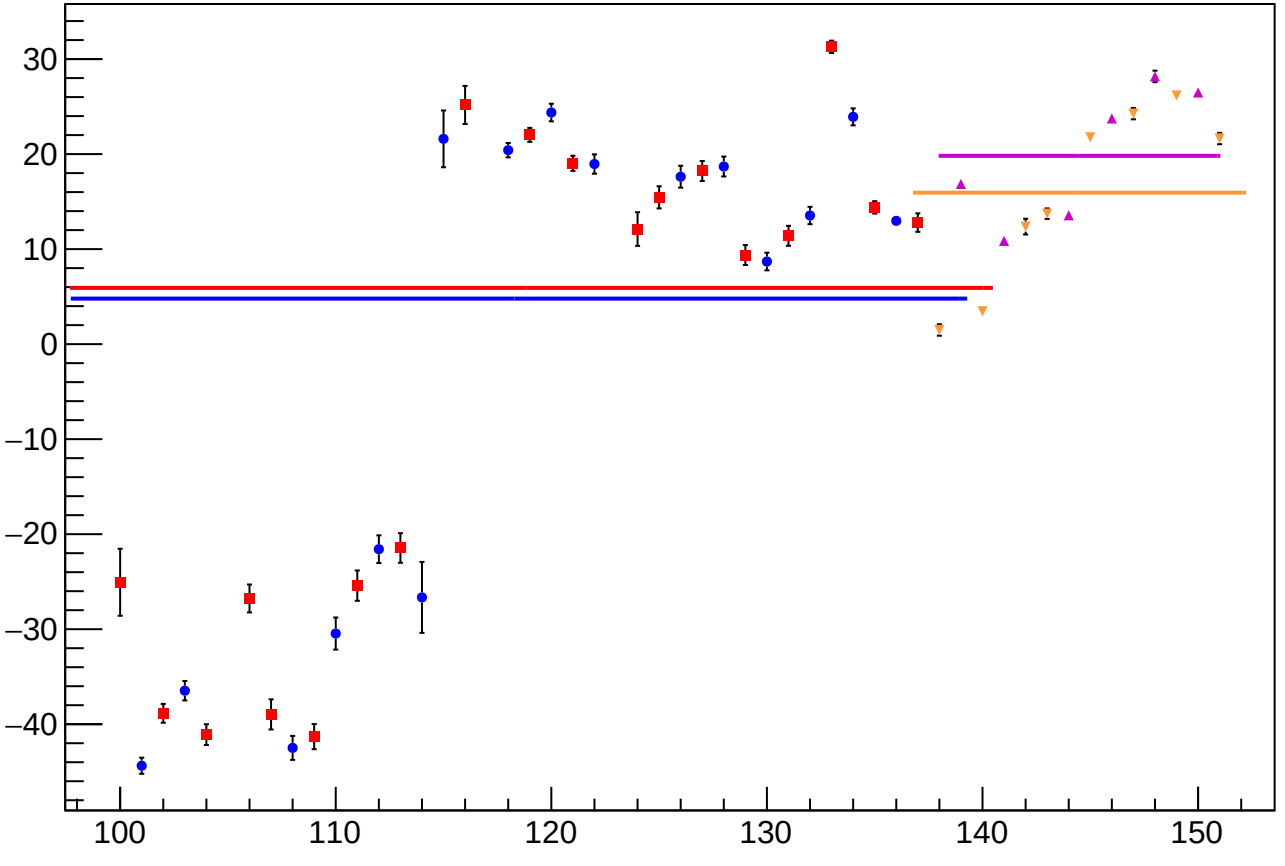
In: 3.026+/-0.148 χ^2/NDF:1680.6/21

Out: 3.844+/-0.142 χ^2/NDF:4008.5/26

All: 3.454+/-0.103 χ^2/NDF: 5705.0/48


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 5.768+/-0.210 χ²/NDF: 8933.8/15
Left Out: 6.125+/-0.129 χ²/NDF:2491.0/7
Right Out: 7.393+/-0.209 χ²/NDF: 8390.6/18
Left In: 6.077+/-0.140 χ²/NDF:3533.8/5
Left: 6.103+/-0.095 χ²/NDF: 6024.9/13
Right: 6.585+/-0.148 χ²/NDF: 17354.6/34
In: 5.982+/-0.116 χ²/NDF:12469.1/21
Out: 6.475+/-0.110 χ²/NDF:10908.3/26
All: 6.243+/-0.080 χ²/NDF: 23387.0/48

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.940+/-0.184 χ^2/NDF:2484.0/7

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 19.817+/-0.196 χ^2/NDF:1027.6/5

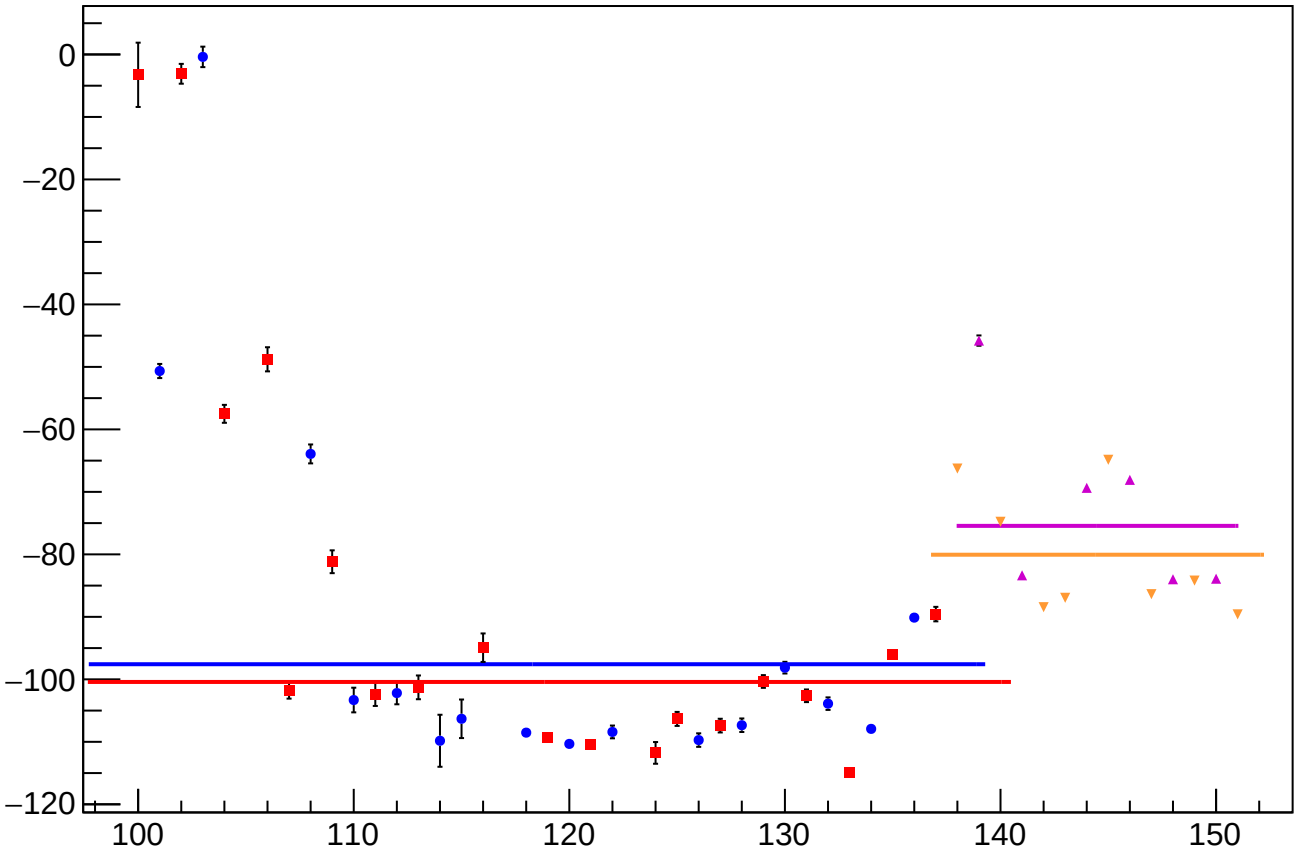
Left: 17.755+/-0.134 χ^2/NDF: 3719.2/13

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 13.719+/-0.151 χ^2/NDF:12903.4/21

Out: 12.227+/-0.146 χ^2/NDF:13641.4/26

All: 12.947+/-0.105 χ^2/NDF: 26595.1/48



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.057+/-0.157 χ^2/NDF:3431.3/7

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -75.439+/-0.169 χ^2/NDF:3255.7/5

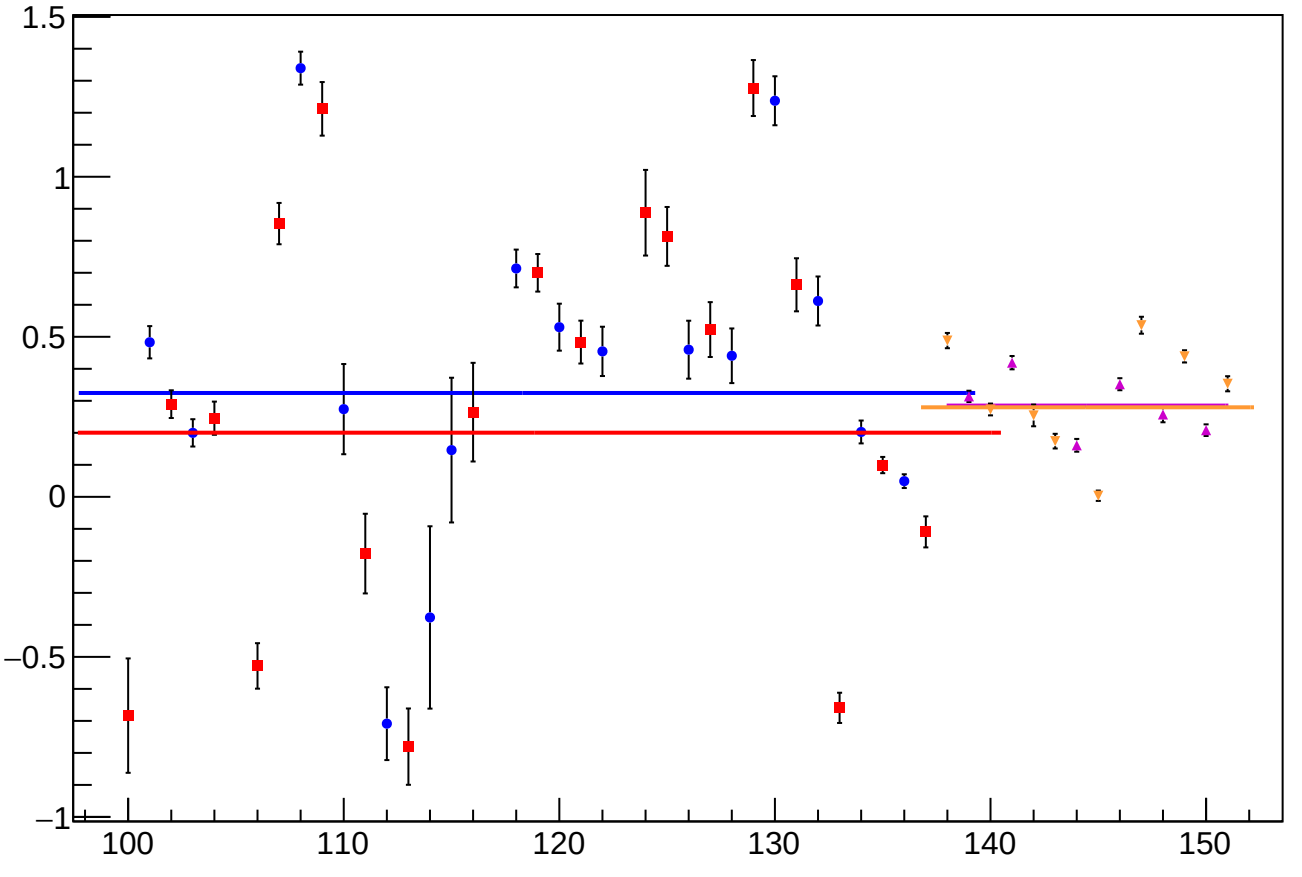
Left: -77.923+/-0.115 χ^2/NDF: 7086.7/13

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -82.731+/-0.139 χ^2/NDF:16028.7/21

Out: -86.127+/-0.132 χ^2/NDF:15557.8/26

All: -84.519+/-0.095 χ^2/NDF: 31902.0/48



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.280+/-0.008 χ^2/NDF:562.2/7

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.285+/-0.008 χ^2/NDF:114.2/5

Left: 0.282+/-0.006 χ^2/NDF: 676.7/13

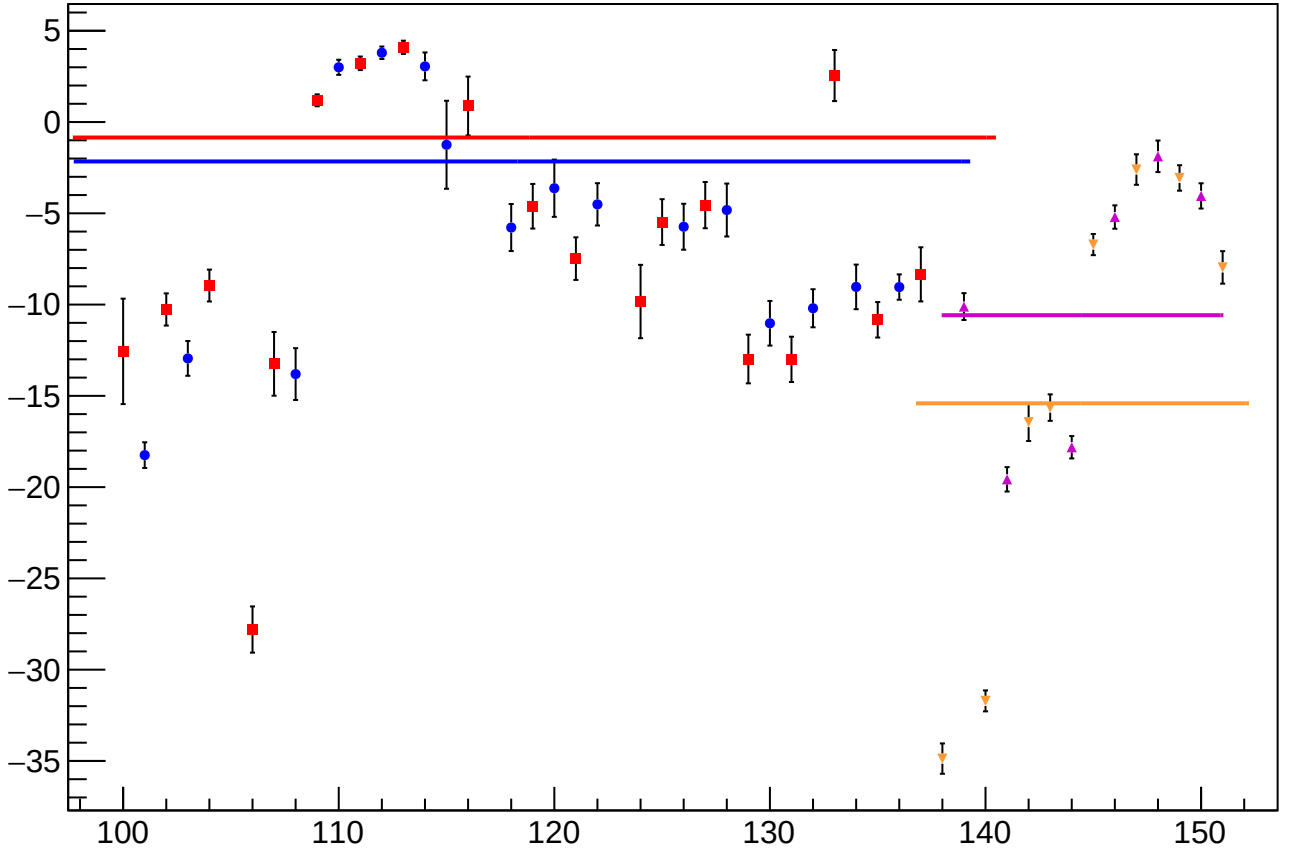
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.296+/-0.007 χ^2/NDF:1007.2/21

Out: 0.261+/-0.007 χ^2/NDF:1793.7/26

All: 0.278+/-0.005 χ^2/NDF: 2813.7/48

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -15.408+/-0.258 χ^2/NDF:2197.7/7

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -10.582+/-0.282 χ^2/NDF:581.9/5

Left: -13.206+/-0.190 χ^2/NDF: 2939.5/13

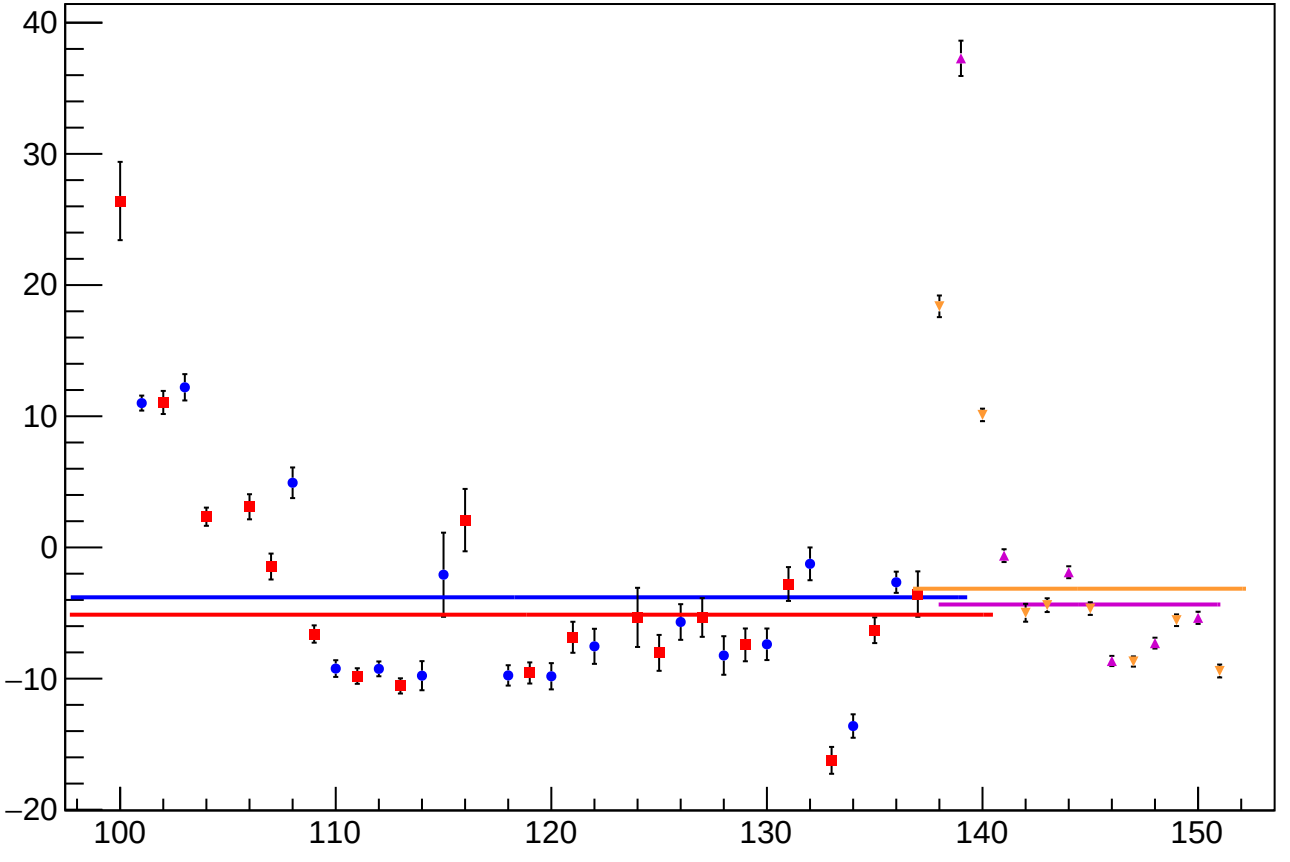
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -4.833+/-0.159 χ^2/NDF:2683.8/21

Out: -5.272+/-0.142 χ^2/NDF:5881.6/26

All: -5.076+/-0.106 χ^2/NDF: 8569.7/48

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.145+/-0.178 χ^2/NDF:1867.3/7

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.348+/-0.193 χ^2/NDF:1222.7/5

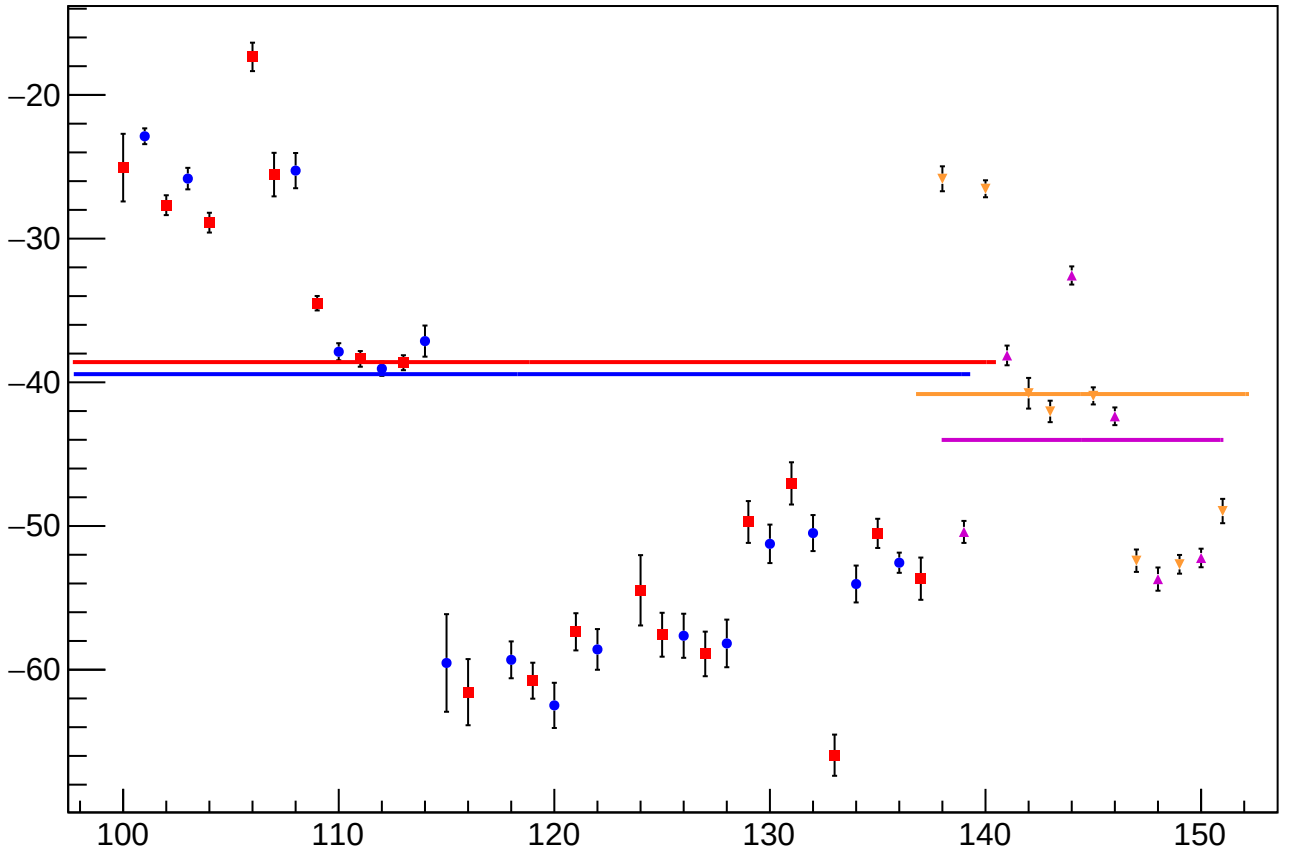
Left: -3.695+/-0.131 χ^2/NDF: 3111.0/13

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

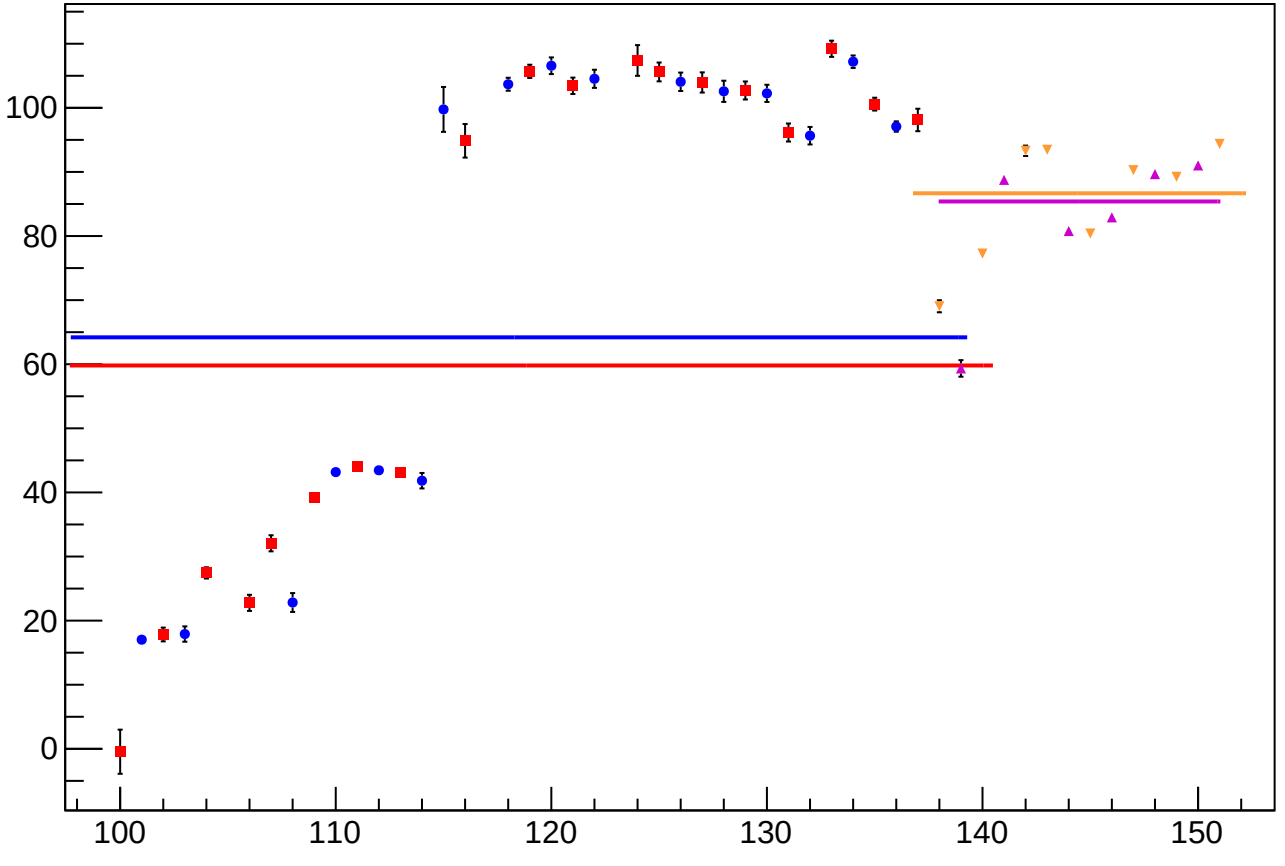
In: -4.116+/-0.147 χ^2/NDF:2651.6/21

Out: -3.932+/-0.138 χ^2/NDF:2897.2/26

All: -4.018+/-0.101 χ^2/NDF: 5549.7/48


reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
100
110
120
130
140
150
Right In: -39.431+/-0.225 χ²/NDF: 2958.1/15
Left Out: -40.816+/-0.257 χ²/NDF:1530.1/7
Right Out: -38.593+/-0.213 χ²/NDF: 2772.1/18
Left In: -44.008+/-0.278 χ²/NDF:783.6/5
Left: -42.288+/-0.189 χ²/NDF: 2384.5/13
Right: -38.987+/-0.155 χ²/NDF: 5737.6/34
In: -41.244+/-0.175 χ²/NDF:3904.9/21
Out: -39.494+/-0.164 χ²/NDF:4346.6/26
All: -40.311+/-0.120 χ²/NDF: 8304.7/48

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.670+/-0.217 χ^2/NDF:1153.5/7

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.391+/-0.236 χ^2/NDF:707.3/5

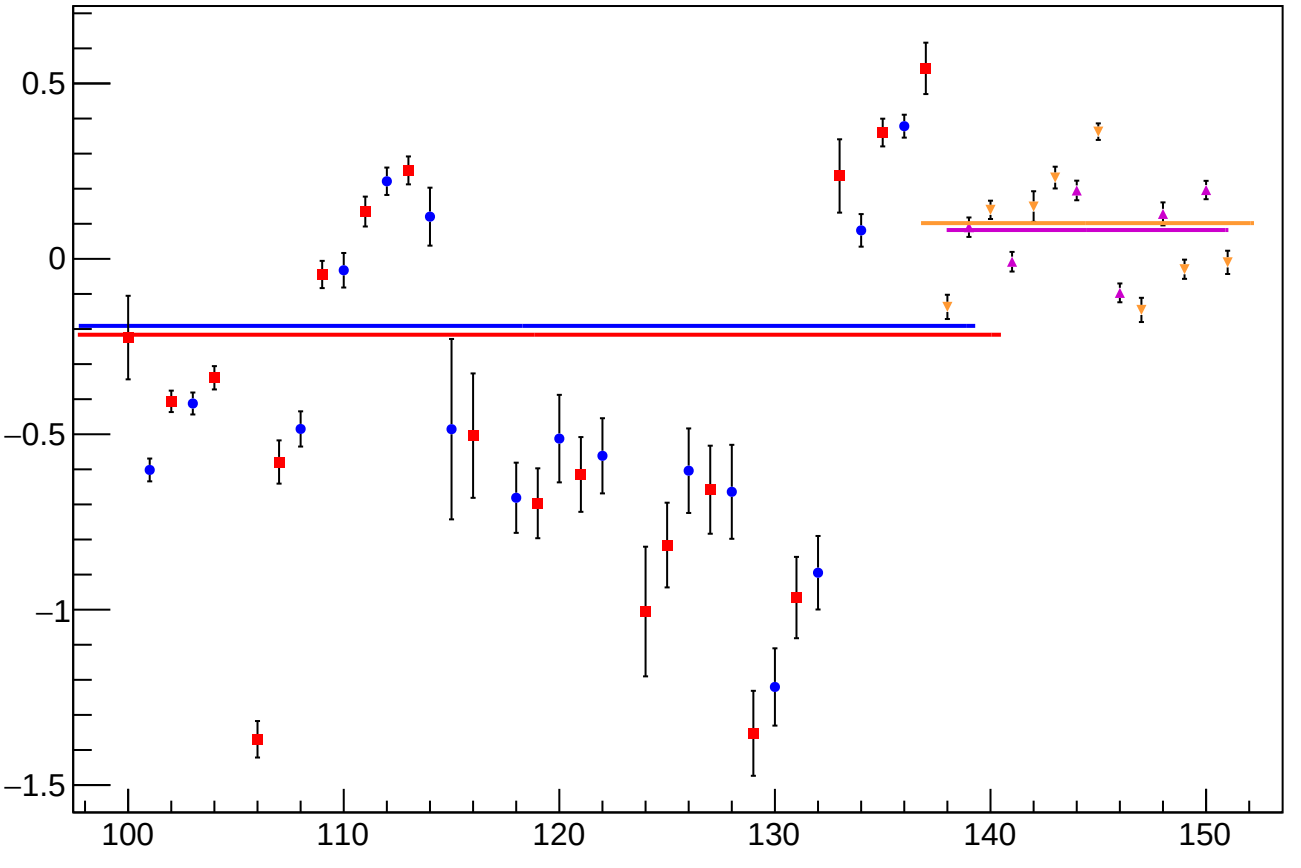
Left: 86.083+/-0.160 χ^2/NDF: 1876.6/13

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

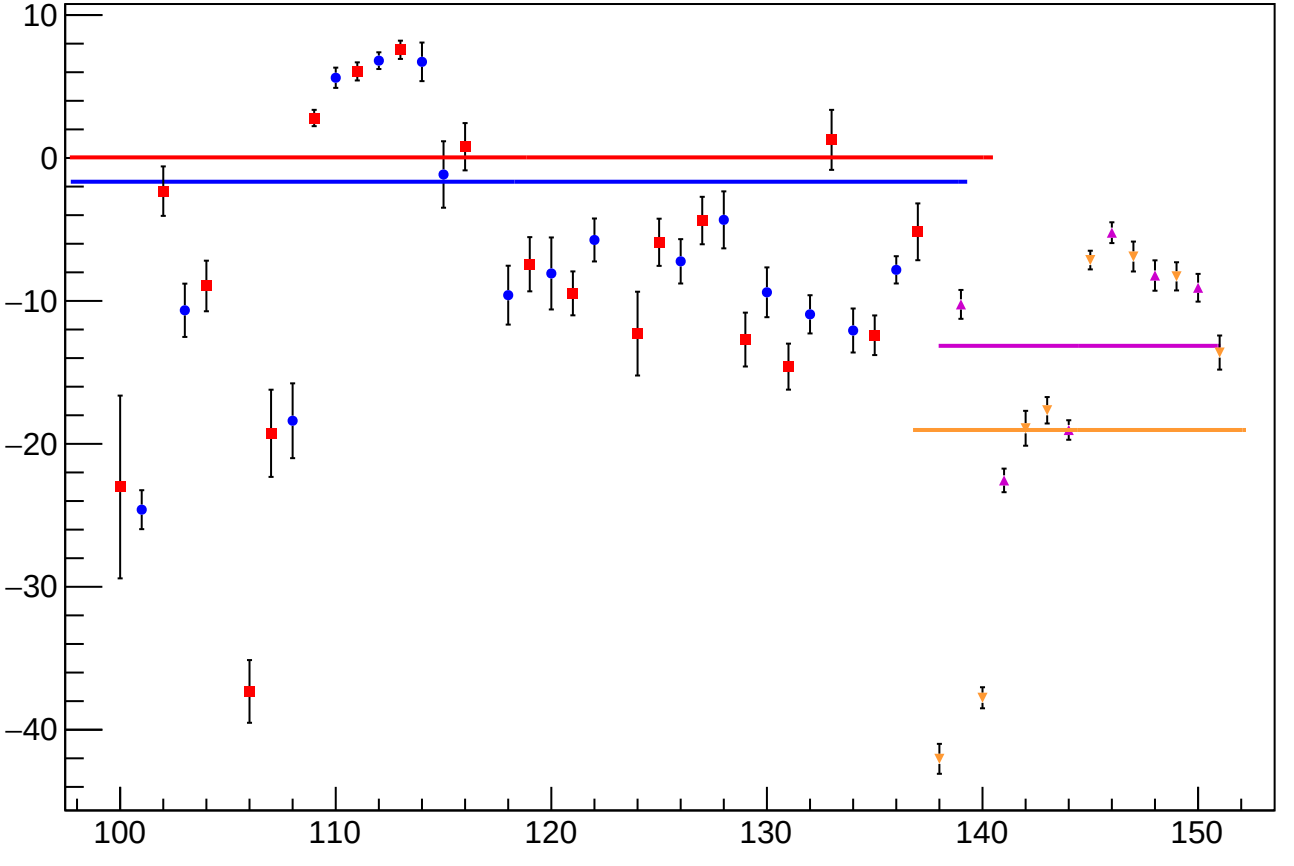
In: 75.716+/-0.174 χ^2/NDF:22986.2/21

Out: 75.030+/-0.164 χ^2/NDF:25195.2/26

All: 75.352+/-0.119 χ^2/NDF: 48189.7/48


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
150
Right In: -0.191+/-0.013 χ²/NDF: 918.3/15
Left Out: 0.102+/-0.011 χ²/NDF:276.9/7
Right Out: -0.216+/-0.013 χ²/NDF: 1368.1/18
Left In: 0.082+/-0.011 χ²/NDF:92.4/5
Left: 0.093+/-0.008 χ²/NDF: 370.9/13
Right: -0.204+/-0.009 χ²/NDF: 2288.3/34
In: -0.033+/-0.009 χ²/NDF:1250.6/21
Out: -0.027+/-0.008 χ²/NDF:2004.3/26
All: -0.030+/-0.006 χ²/NDF: 3255.1/48

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -19.029+/-0.323 χ^2/NDF:1737.1/7

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -13.142+/-0.344 χ^2/NDF:370.2/5

Left: -16.274+/-0.236 χ^2/NDF: 2262.8/13

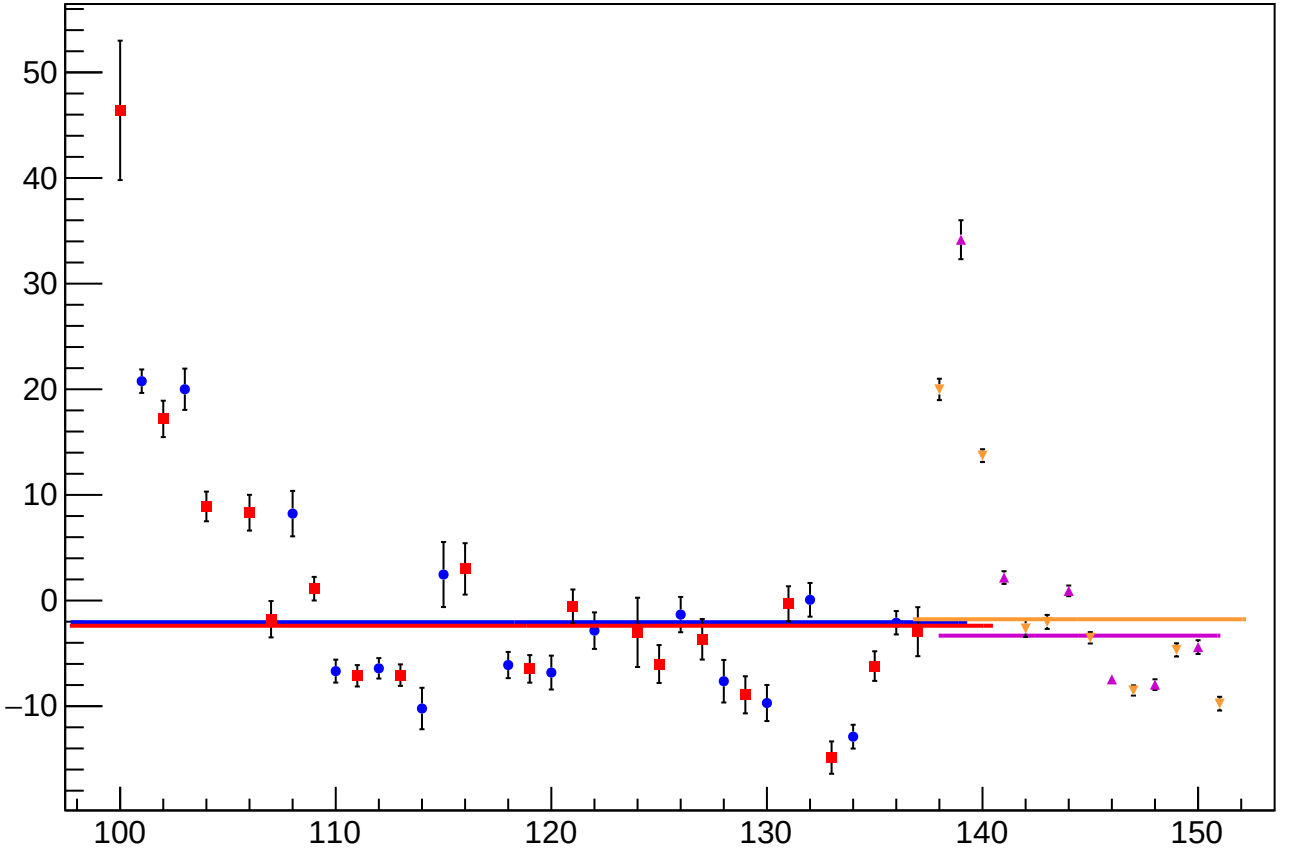
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -6.764+/-0.230 χ^2/NDF:1887.8/21

Out: -8.205+/-0.212 χ^2/NDF:4647.3/26

All: -7.540+/-0.156 χ^2/NDF: 6556.3/48

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.772+/-0.223 χ^2/NDF:1490.9/7

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.323+/-0.231 χ^2/NDF:747.7/5

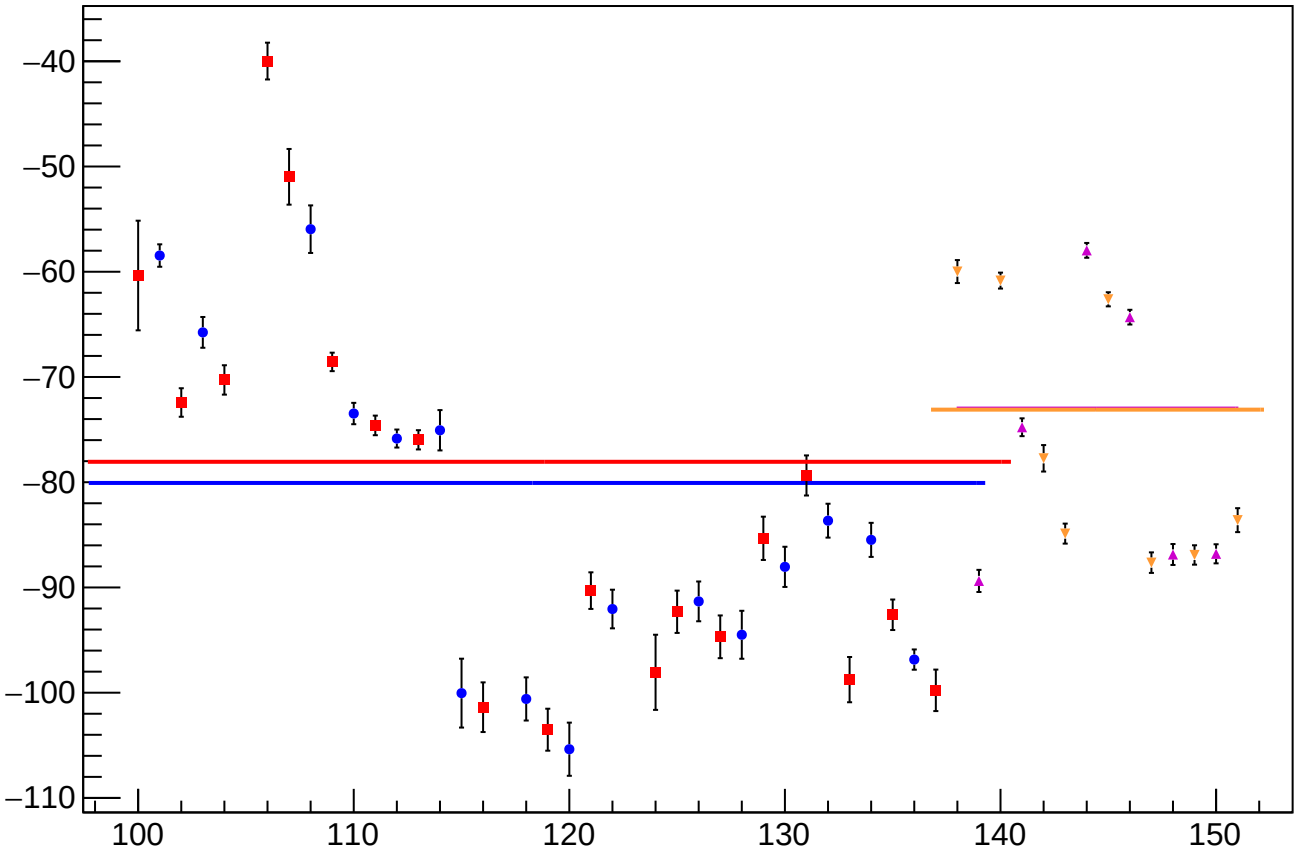
Left: -2.518+/-0.160 χ^2/NDF: 2262.0/13

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.945+/-0.194 χ^2/NDF:1528.6/21

Out: -1.945+/-0.189 χ^2/NDF:1944.0/26

All: -2.432+/-0.135 χ^2/NDF: 3486.3/48



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.104+/-0.324 χ^2/NDF:1349.1/7

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -73.004+/-0.341 χ^2/NDF:1283.2/5

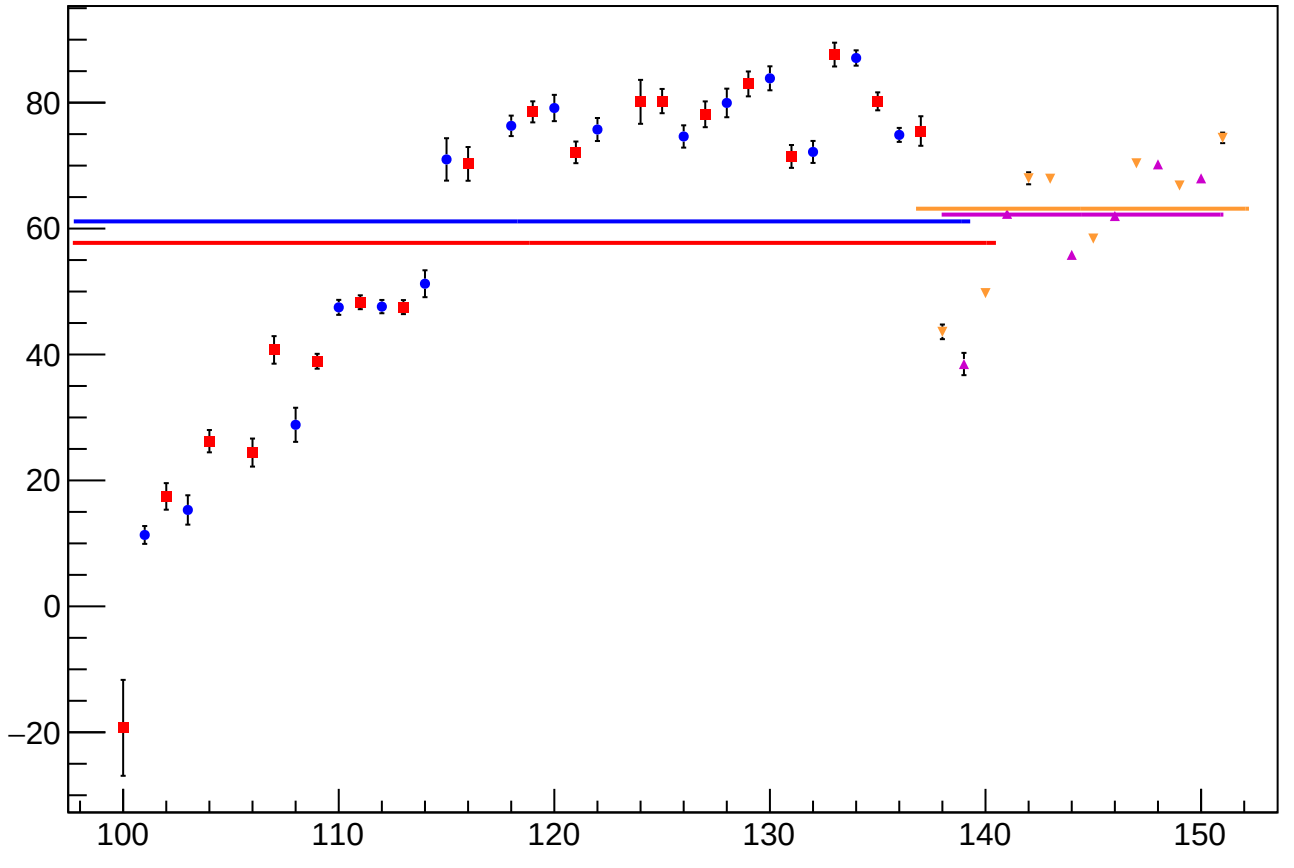
Left: -73.056+/-0.235 χ^2/NDF: 2632.4/13

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.305+/-0.249 χ^2/NDF:2870.7/21

Out: -75.364+/-0.239 χ^2/NDF:3017.1/26

All: -75.815+/-0.172 χ^2/NDF: 5895.3/48



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.158+/-0.273 χ^2/NDF:1062.8/7

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 62.220+/-0.284 χ^2/NDF:486.0/5

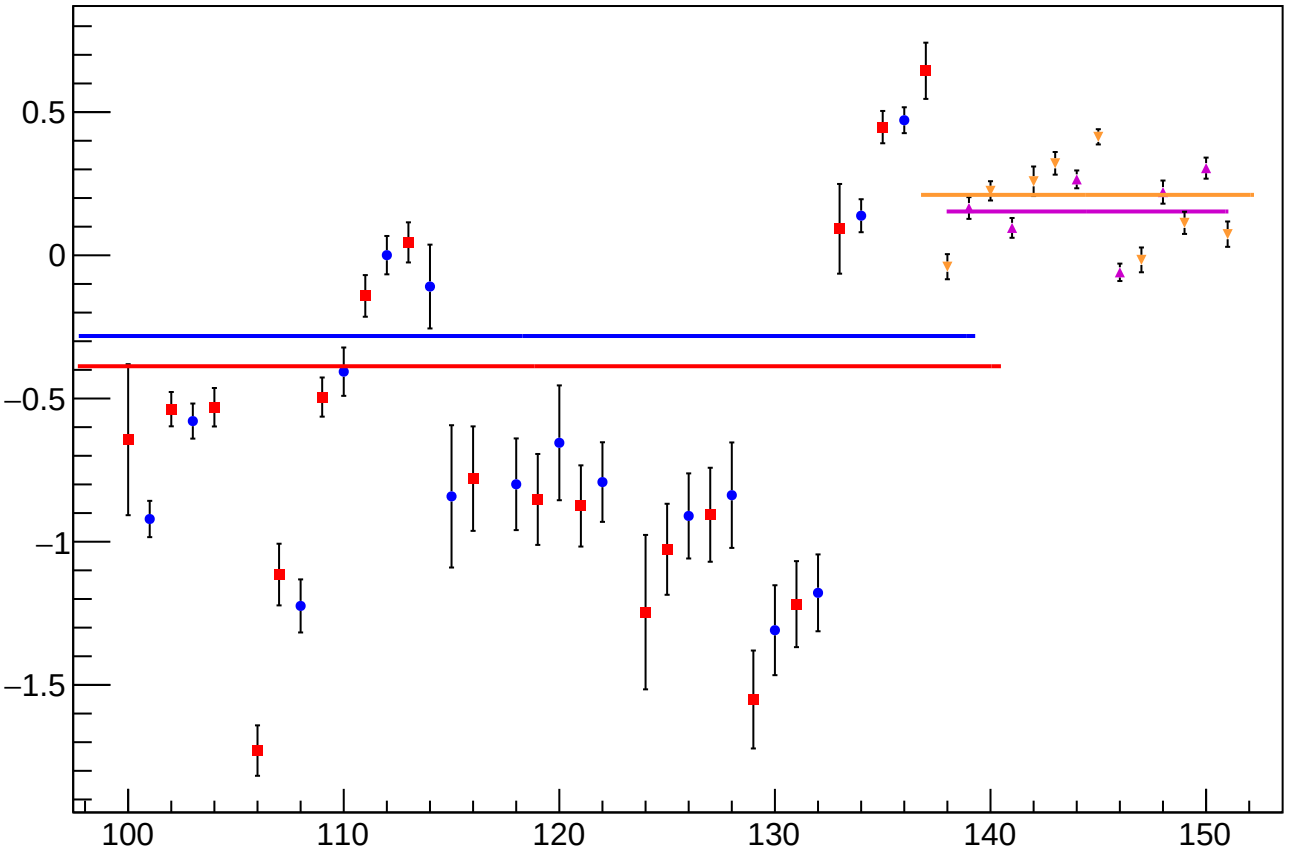
Left: 62.708+/-0.197 χ^2/NDF: 1554.5/13

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 61.858+/-0.232 χ^2/NDF:3720.1/21

Out: 61.432+/-0.226 χ^2/NDF:3964.1/26

All: 61.639+/-0.162 χ^2/NDF: 7685.9/48



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.211+/-0.013 χ^2/NDF:142.9/7

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.153+/-0.014 χ^2/NDF:84.4/5

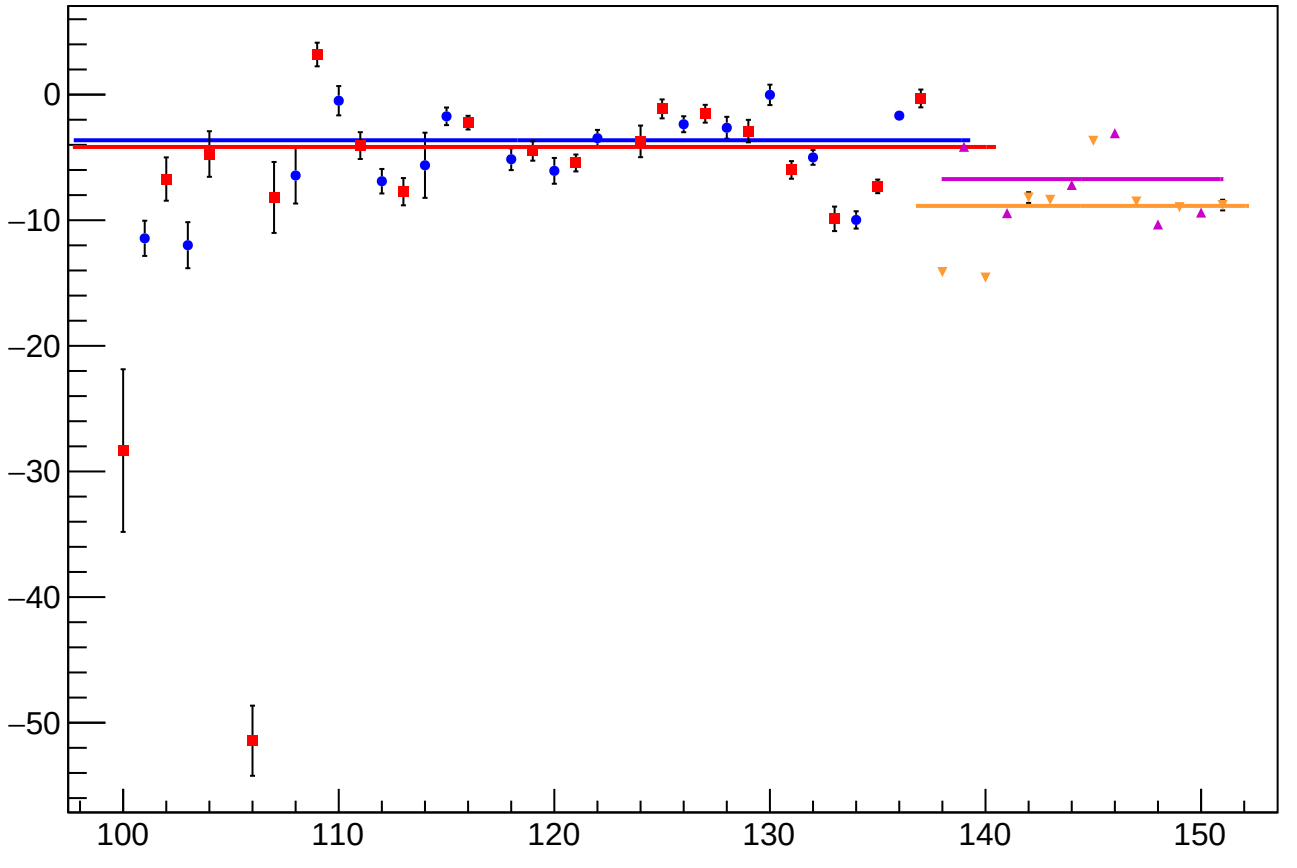
Left: 0.184+/-0.010 χ^2/NDF: 236.2/13

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.023+/-0.012 χ^2/NDF:1095.6/21

Out: 0.047+/-0.011 χ^2/NDF:1503.8/26

All: 0.036+/-0.008 χ^2/NDF: 2601.7/48



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.859+/-0.112 χ^2/NDF:1267.0/7

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -6.726+/-0.117 χ^2/NDF:544.1/5

Left: -7.842+/-0.081 χ^2/NDF: 1983.5/13

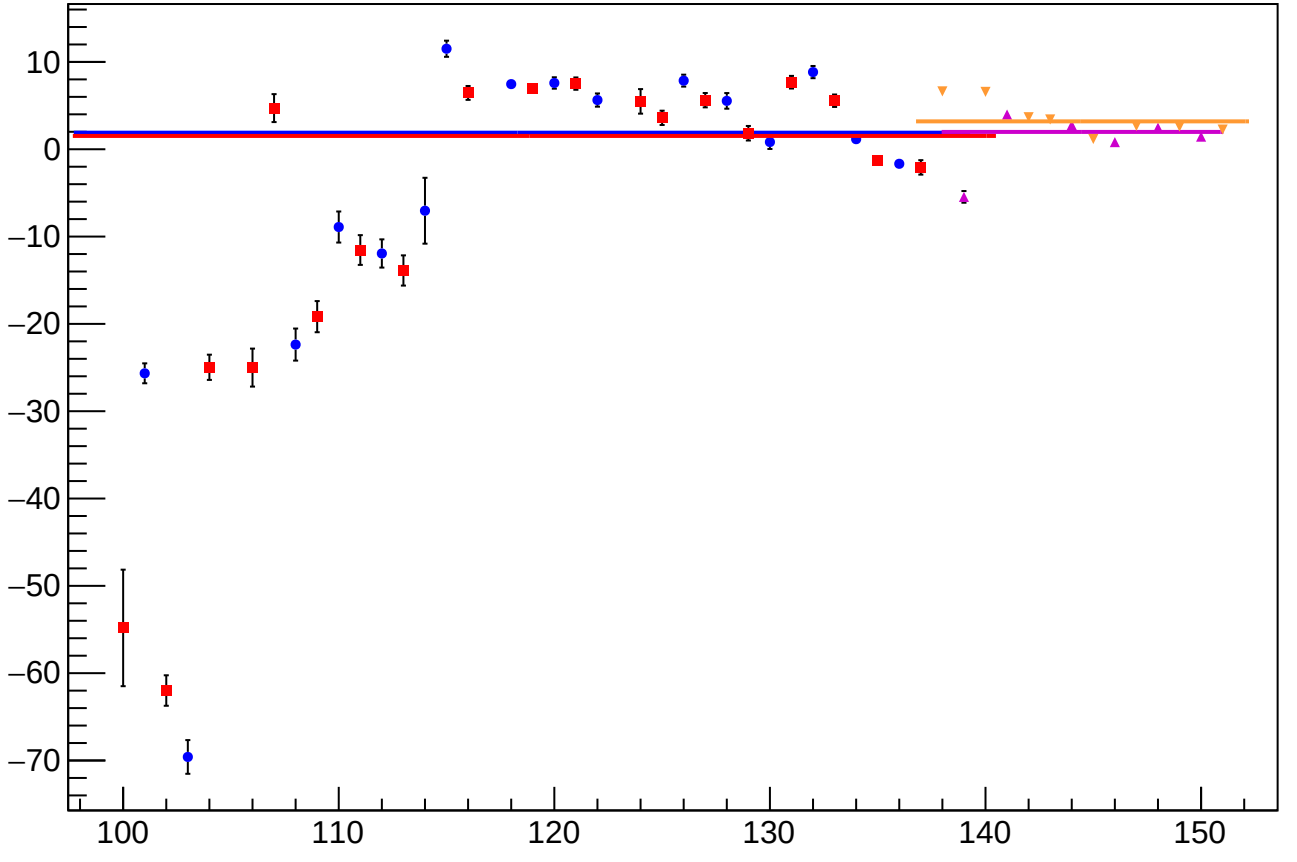
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.865+/-0.100 χ^2/NDF:972.0/21

Out: -7.732+/-0.098 χ^2/NDF:2217.1/26

All: -6.818+/-0.070 χ^2/NDF: 3367.8/48

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: 3.193+/-0.078 χ^2/NDF:506.6/7

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 1.985+/-0.079 χ^2/NDF:317.2/5

Left: 2.594+/-0.055 χ^2/NDF: 943.2/13

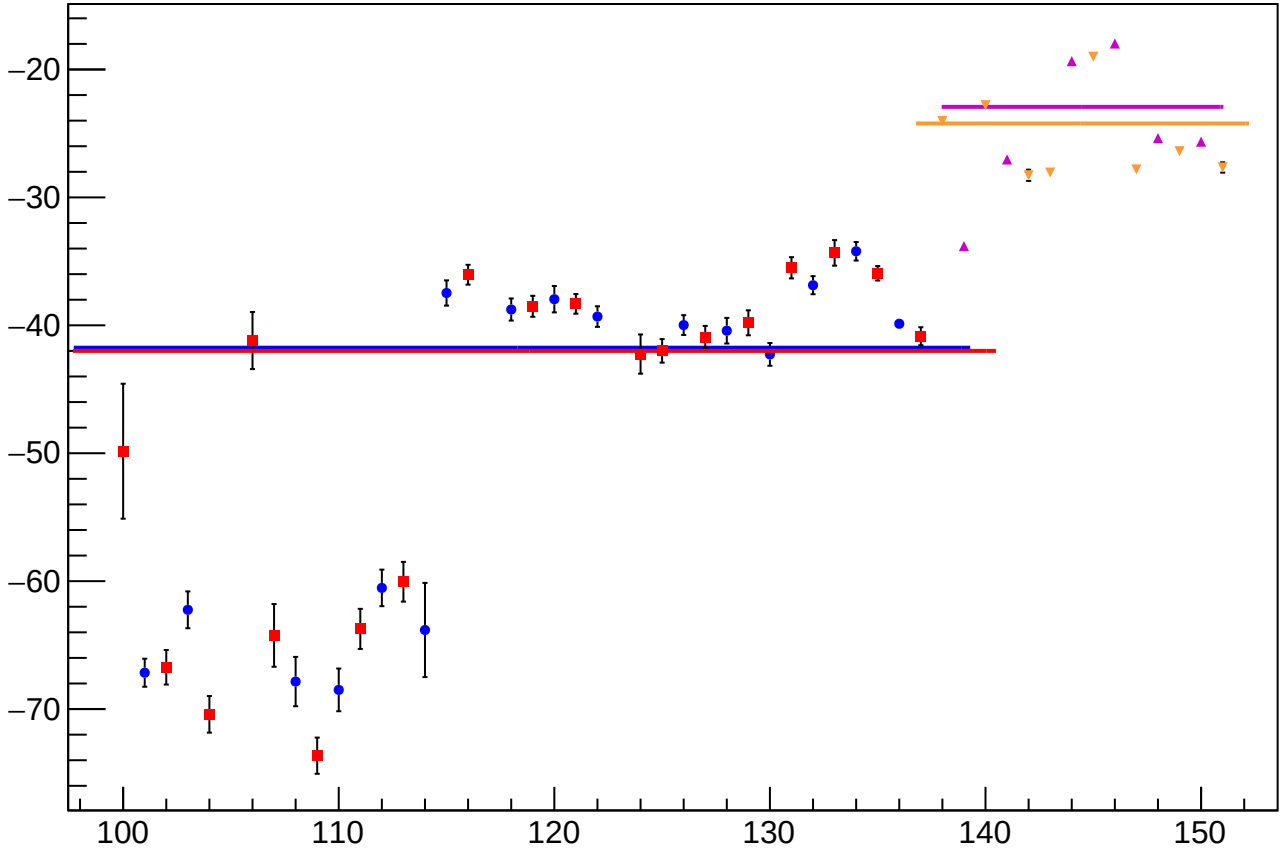
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 1.972+/-0.073 χ^2/NDF:3155.6/21

Out: 2.989+/-0.073 χ^2/NDF:3122.7/26

All: 2.477+/-0.051 χ^2/NDF: 6375.9/48

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.220+/-0.113 χ^2/NDF:1027.6/7

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -22.922+/-0.116 χ^2/NDF:1839.0/5

Left: -23.592+/-0.081 χ^2/NDF: 2930.8/13

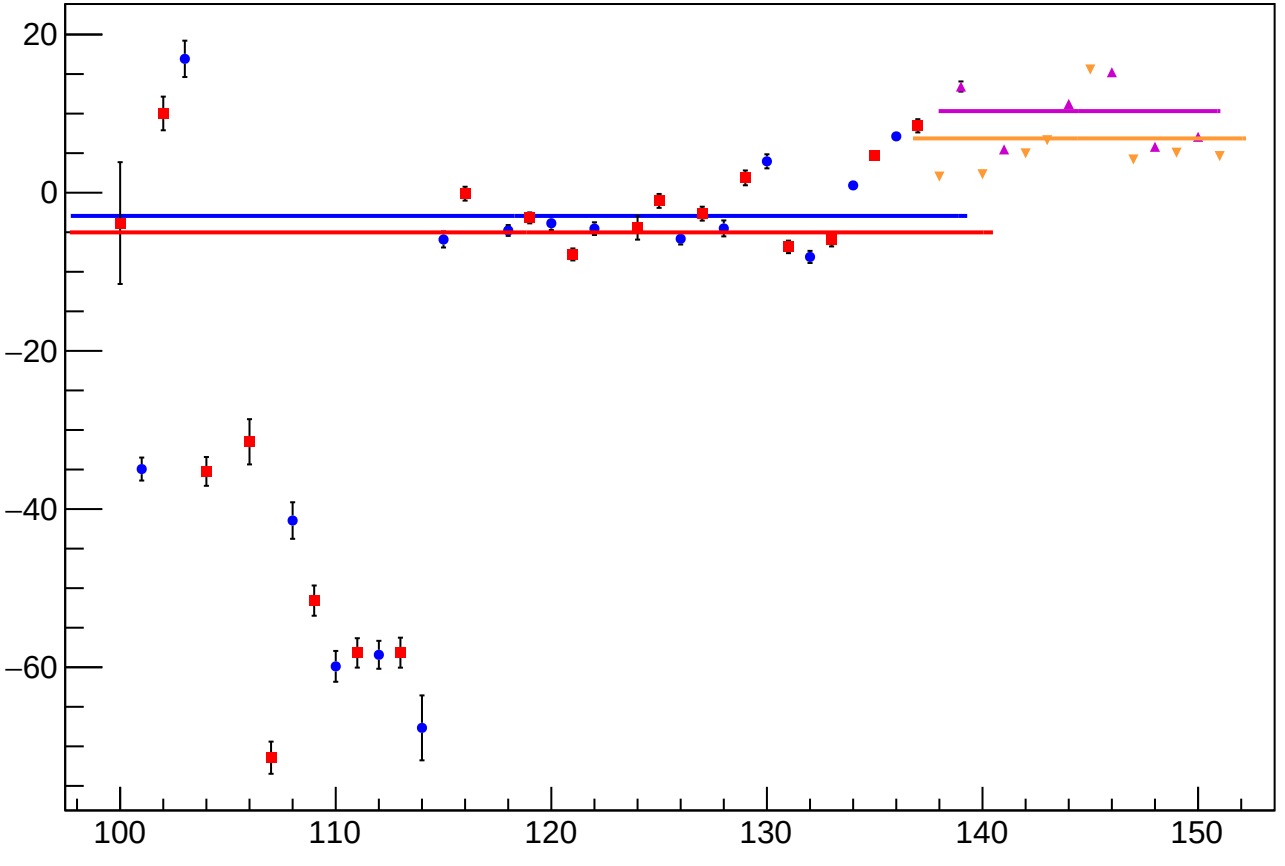
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.423+/-0.102 χ^2/NDF:9731.2/21

Out: -27.704+/-0.101 χ^2/NDF:7890.5/26

All: -27.564+/-0.072 χ^2/NDF: 17625.5/48

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.862+/-0.095 χ^2/NDF:2549.2/7

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 10.317+/-0.097 χ^2/NDF:1701.7/5

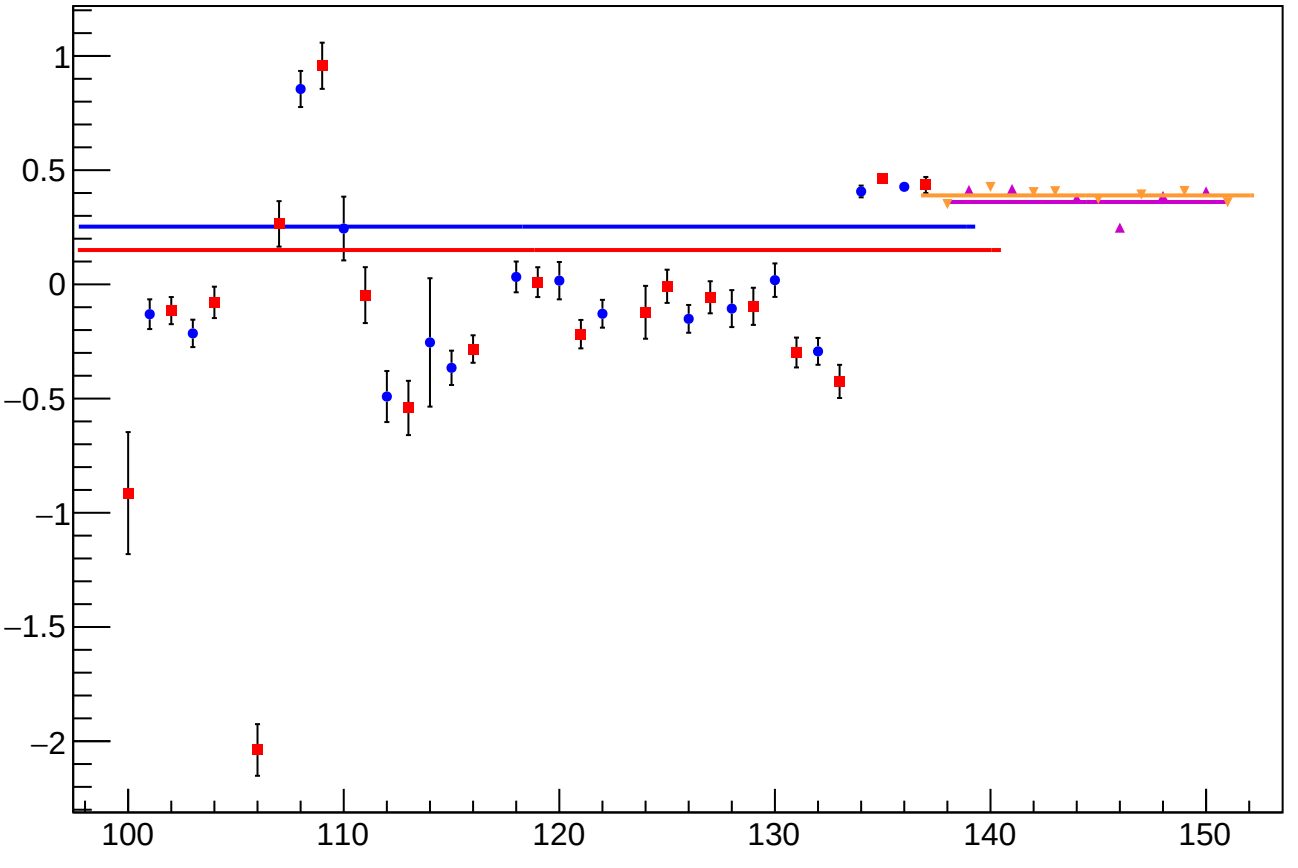
Left: 8.567+/-0.068 χ^2/NDF: 4899.8/13

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.999+/-0.088 χ^2/NDF:8724.2/21

Out: 5.144+/-0.088 χ^2/NDF:9173.3/26

All: 6.579+/-0.062 χ^2/NDF: 18424.6/48



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.390+/-0.005 χ^2/NDF:27.0/7

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.361+/-0.005 χ^2/NDF:190.1/5

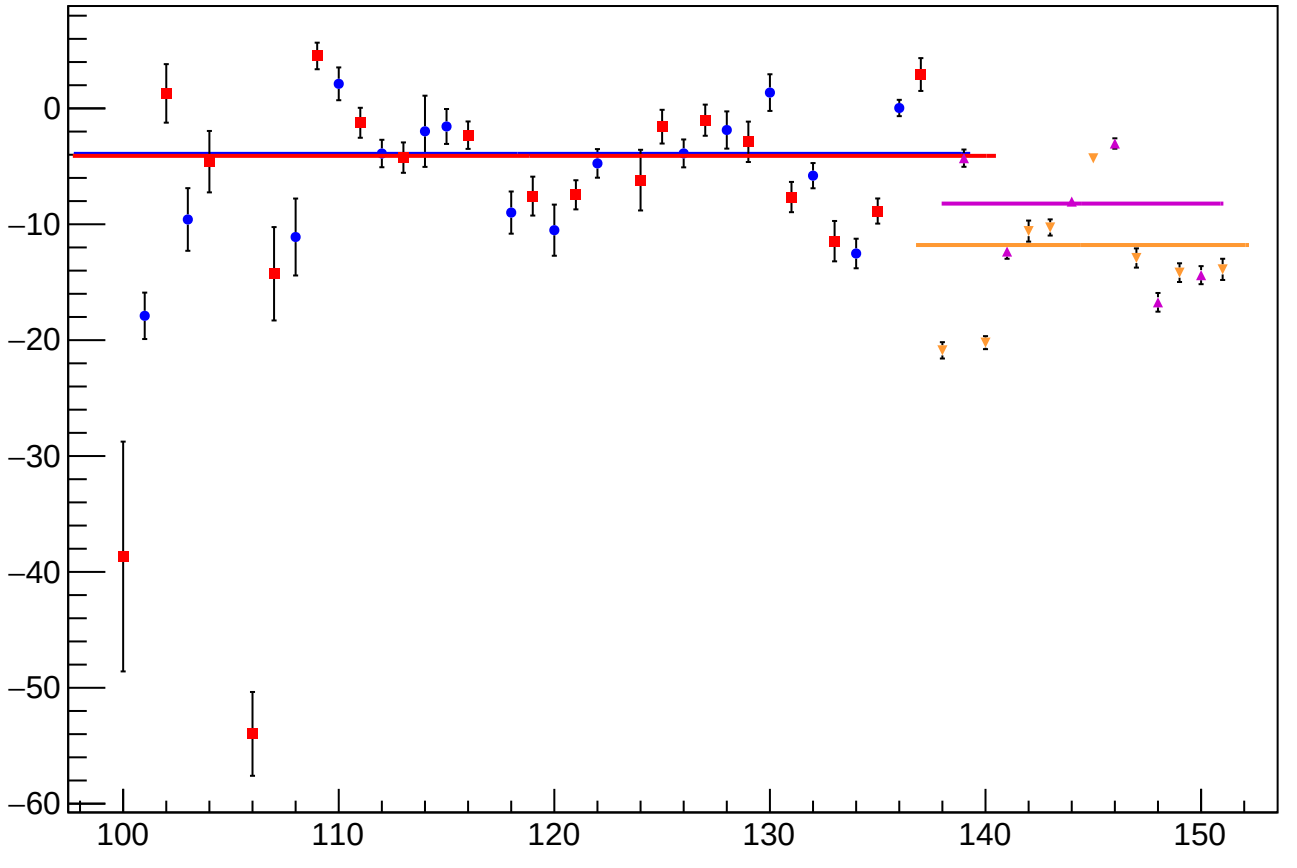
Left: 0.376+/-0.003 χ^2/NDF: 235.5/13

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.344+/-0.004 χ^2/NDF:896.0/21

Out: 0.363+/-0.004 χ^2/NDF:1331.0/26

All: 0.354+/-0.003 χ^2/NDF: 2236.3/48



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.790+/-0.229 χ^2/NDF:774.4/7

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -8.215+/-0.236 χ^2/NDF:380.6/5

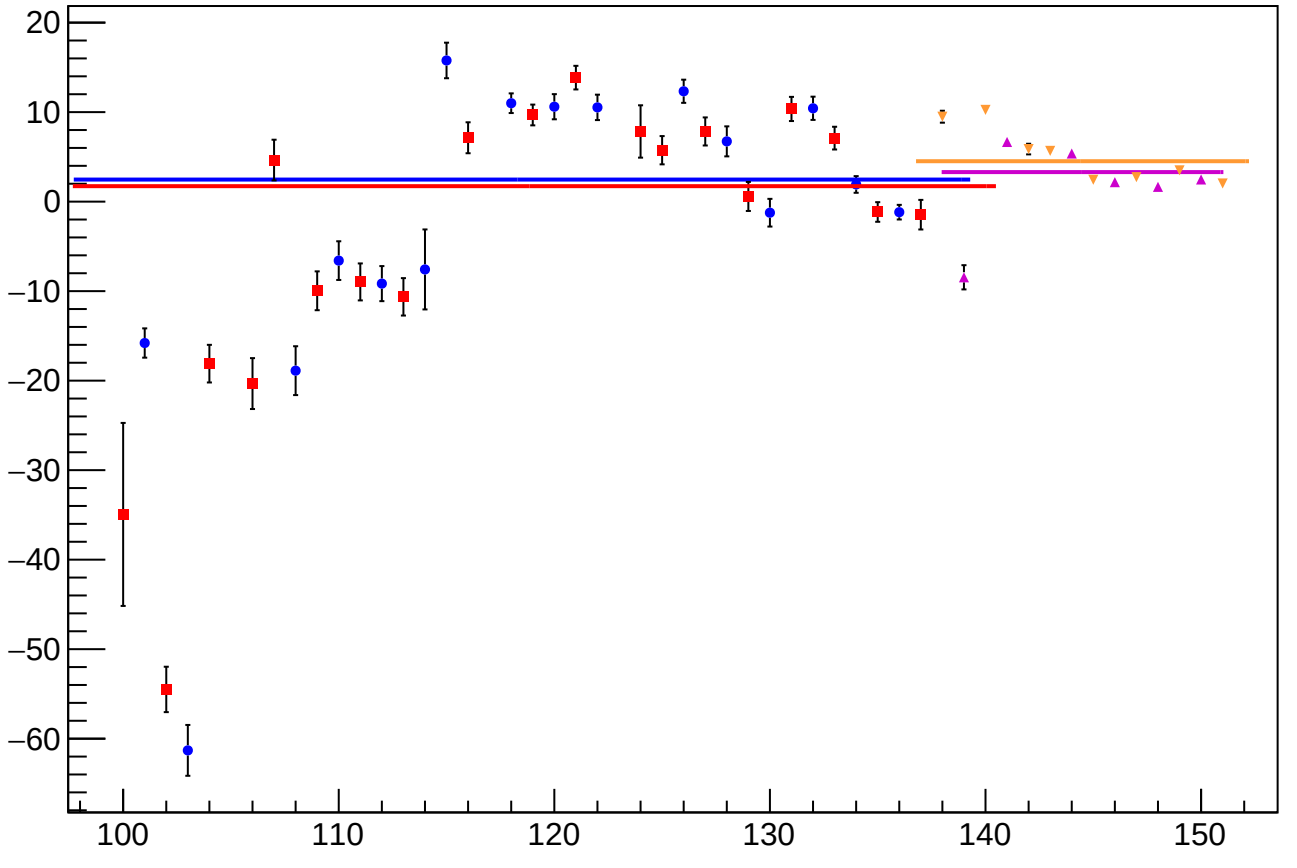
Left: -10.058+/-0.164 χ^2/NDF: 1273.2/13

Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -6.852+/-0.195 χ^2/NDF:674.4/21

Out: -9.547+/-0.193 χ^2/NDF:1470.7/26

All: -8.216+/-0.137 χ^2/NDF: 2241.7/48



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.515+/-0.162 χ^2/NDF:313.3/7

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.300+/-0.158 χ^2/NDF:212.7/5

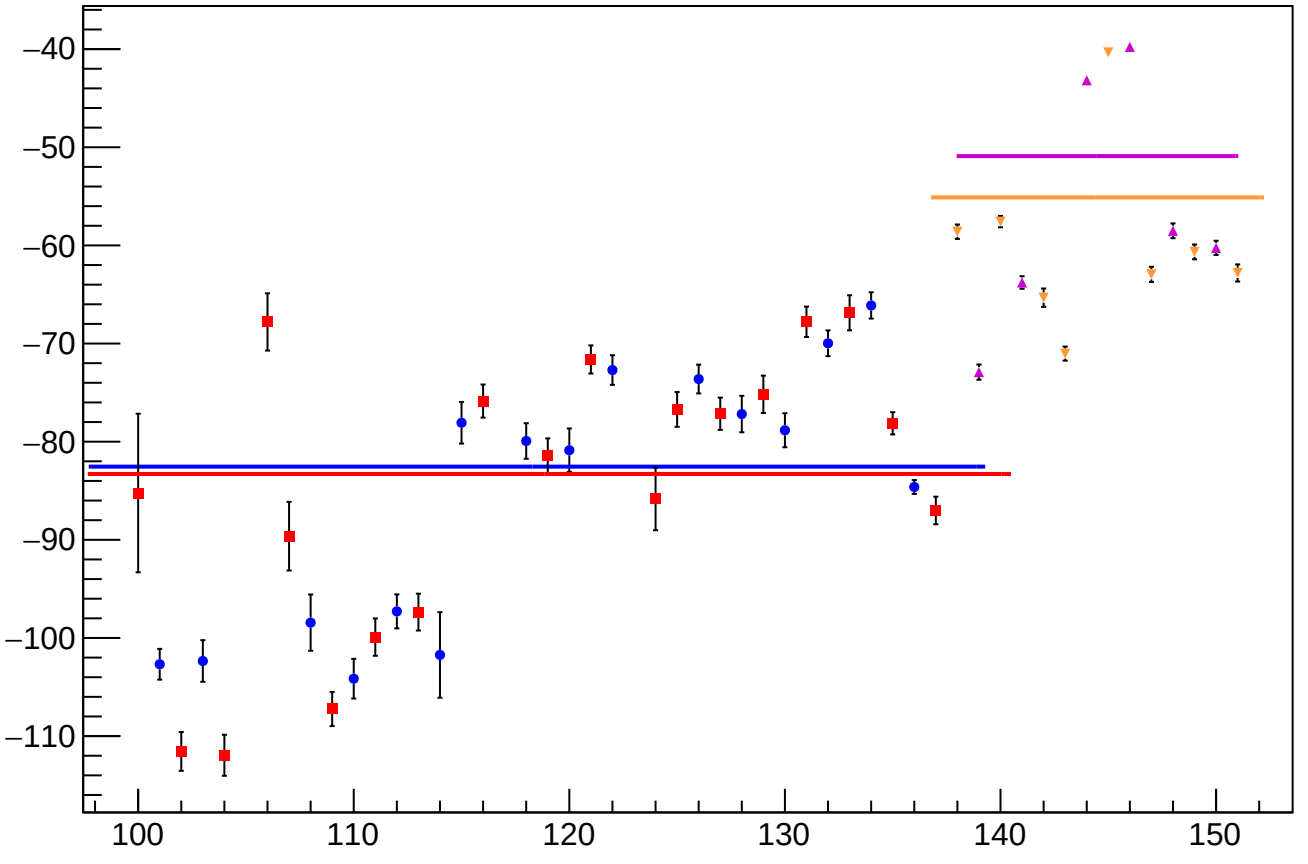
Left: 3.892+/-0.113 χ^2/NDF: 555.0/13

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.164+/-0.144 χ^2/NDF:1264.0/21

Out: 4.100+/-0.149 χ^2/NDF:1340.7/26

All: 3.616+/-0.104 χ^2/NDF: 2625.2/48



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -55.109+/-0.231 χ^2/NDF:2209.3/7

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -50.900+/-0.234 χ^2/NDF:2445.9/5

Left: -53.035+/-0.165 χ^2/NDF: 4818.7/13

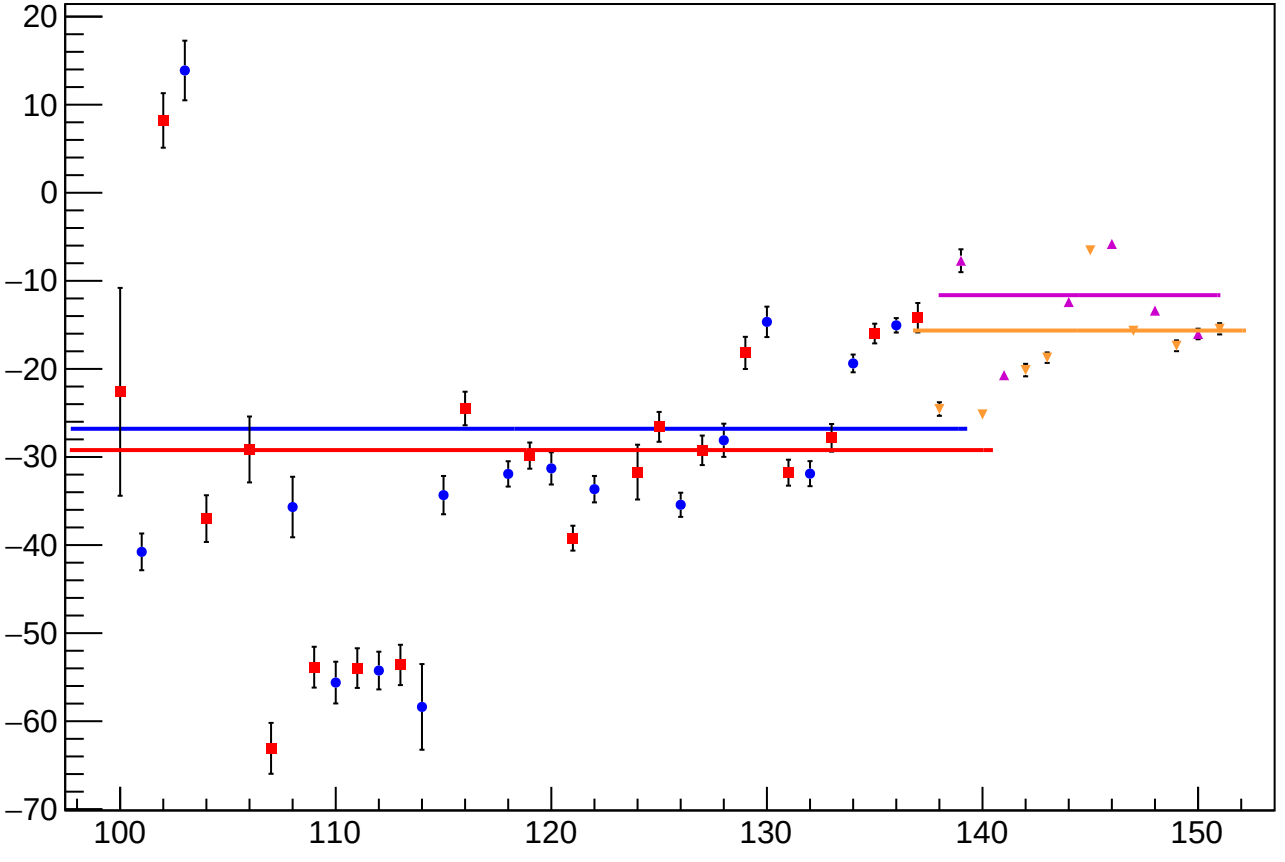
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -59.481+/-0.200 χ^2/NDF:8225.3/21

Out: -61.797+/-0.202 χ^2/NDF:6831.3/26

All: -60.629+/-0.142 χ^2/NDF: 15123.0/48

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: -15.642+/-0.197 χ^2/NDF:1114.5/7

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -11.627+/-0.194 χ^2/NDF:666.4/5

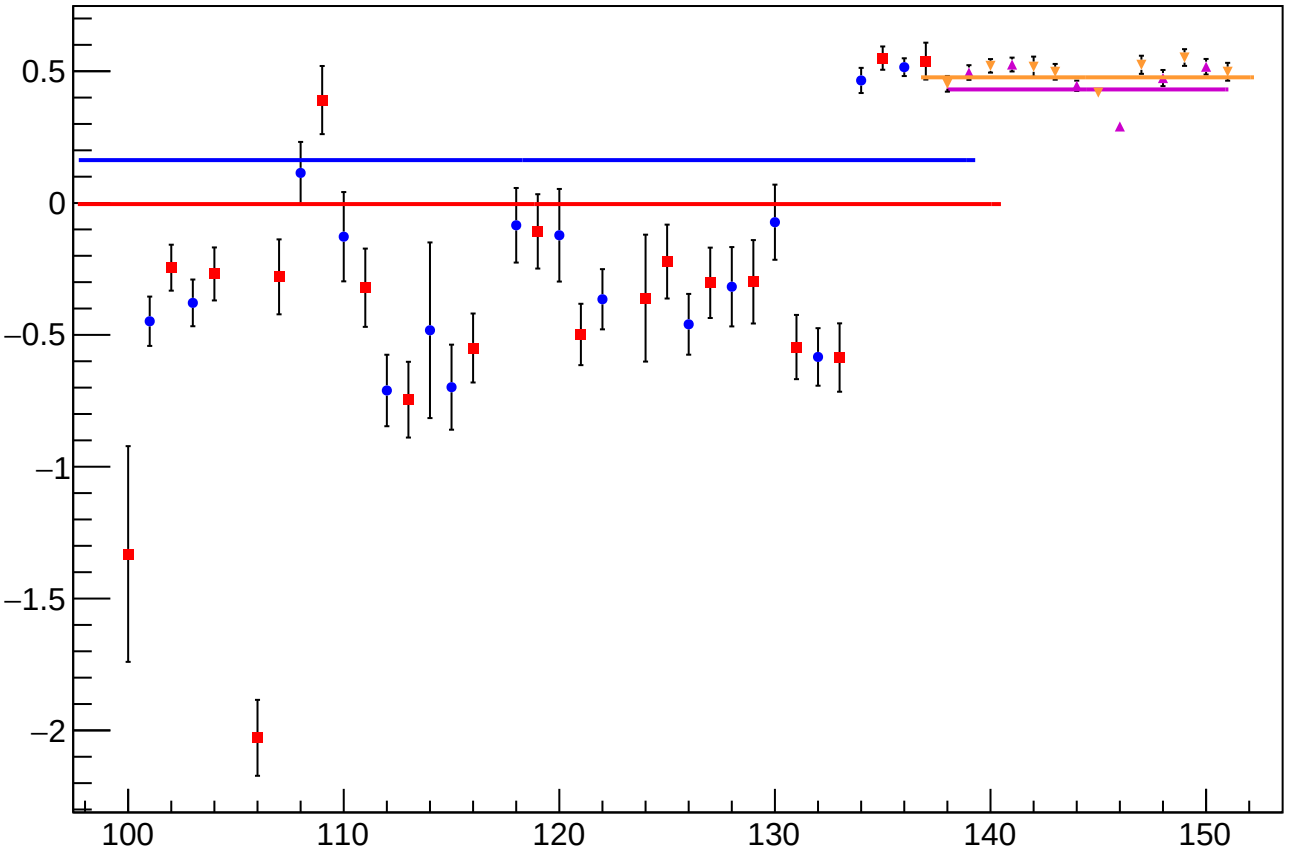
Left: -13.606+/-0.138 χ^2/NDF: 1992.3/13

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -14.565+/-0.174 χ^2/NDF:2815.4/21

Out: -17.980+/-0.179 χ^2/NDF:2895.8/26

All: -16.226+/-0.125 χ^2/NDF: 5898.3/48



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.477+/-0.010 χ^2/NDF:25.9/7

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.431+/-0.010 χ^2/NDF:85.6/5

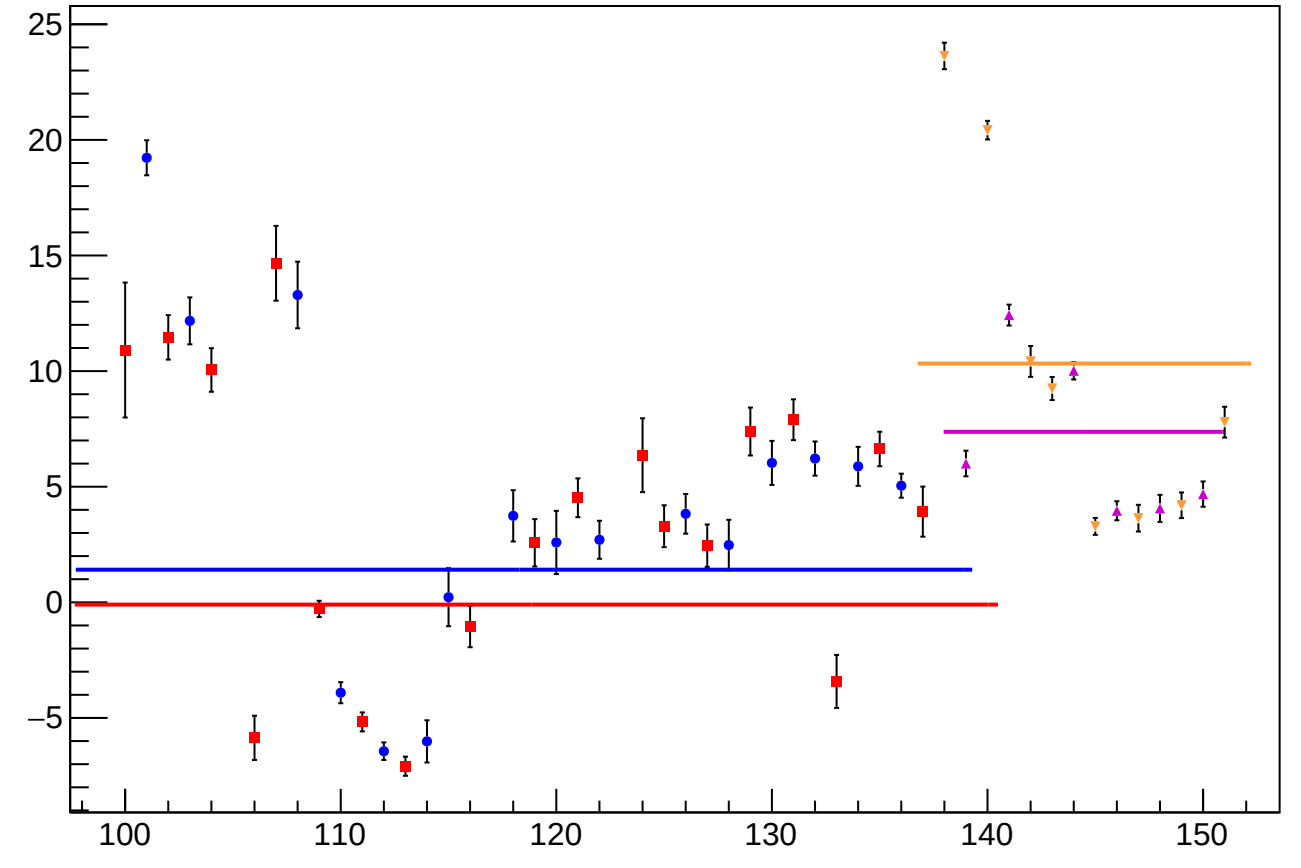
Left: 0.454+/-0.007 χ^2/NDF: 122.8/13

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.384+/-0.009 χ^2/NDF:637.9/21

Out: 0.413+/-0.009 χ^2/NDF:935.7/26

All: 0.399+/-0.006 χ^2/NDF: 1578.8/48



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 10.330+/-0.178 χ^2/NDF:1813.5/7

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 7.375+/-0.191 χ^2/NDF:305.1/5

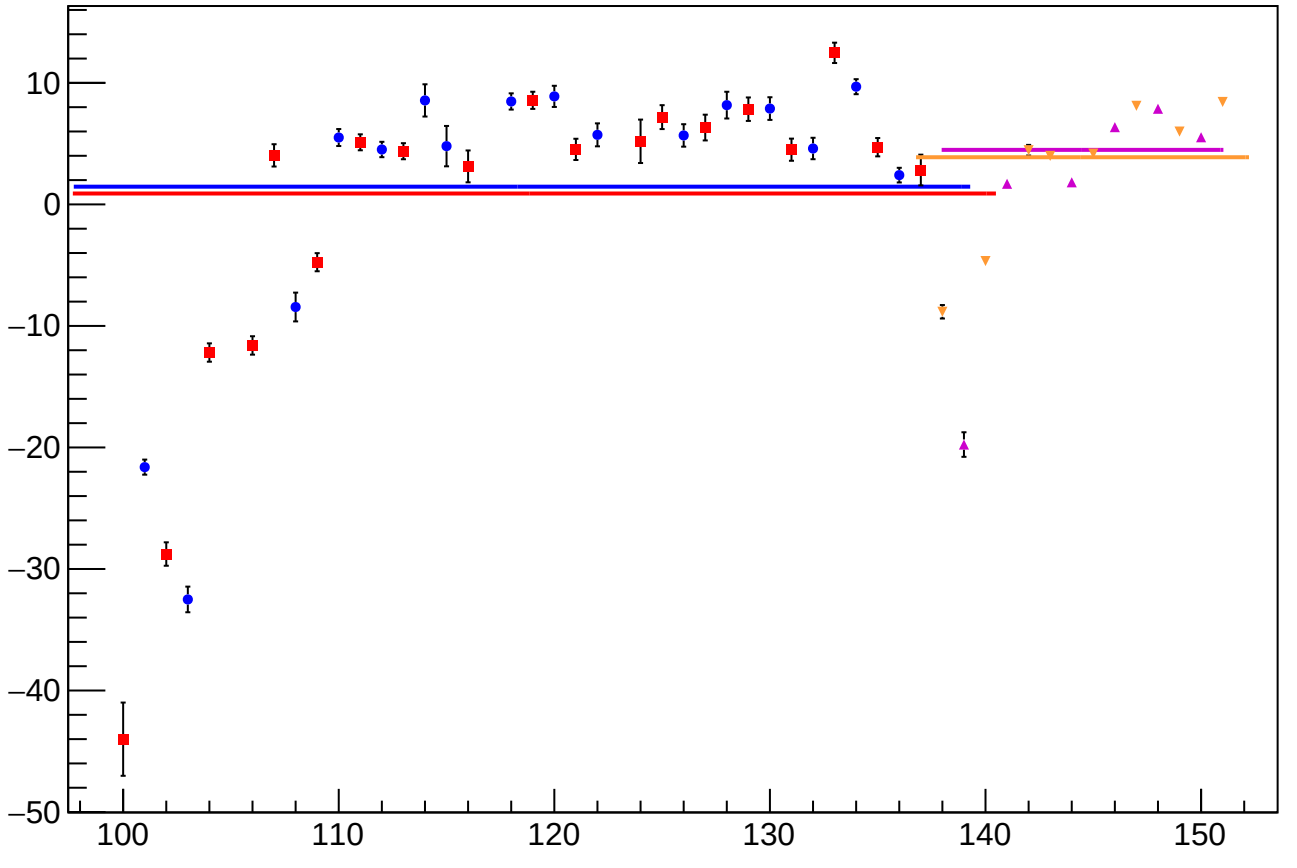
Left: 8.956+/-0.130 χ^2/NDF: 2246.3/13

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 4.264+/-0.132 χ^2/NDF:2334.6/21

Out: 4.788+/-0.122 χ^2/NDF:4779.1/26

All: 4.547+/-0.090 χ^2/NDF: 7122.1/48



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.880+/-0.123 χ^2/NDF:1636.4/7

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.487+/-0.128 χ^2/NDF:956.5/5

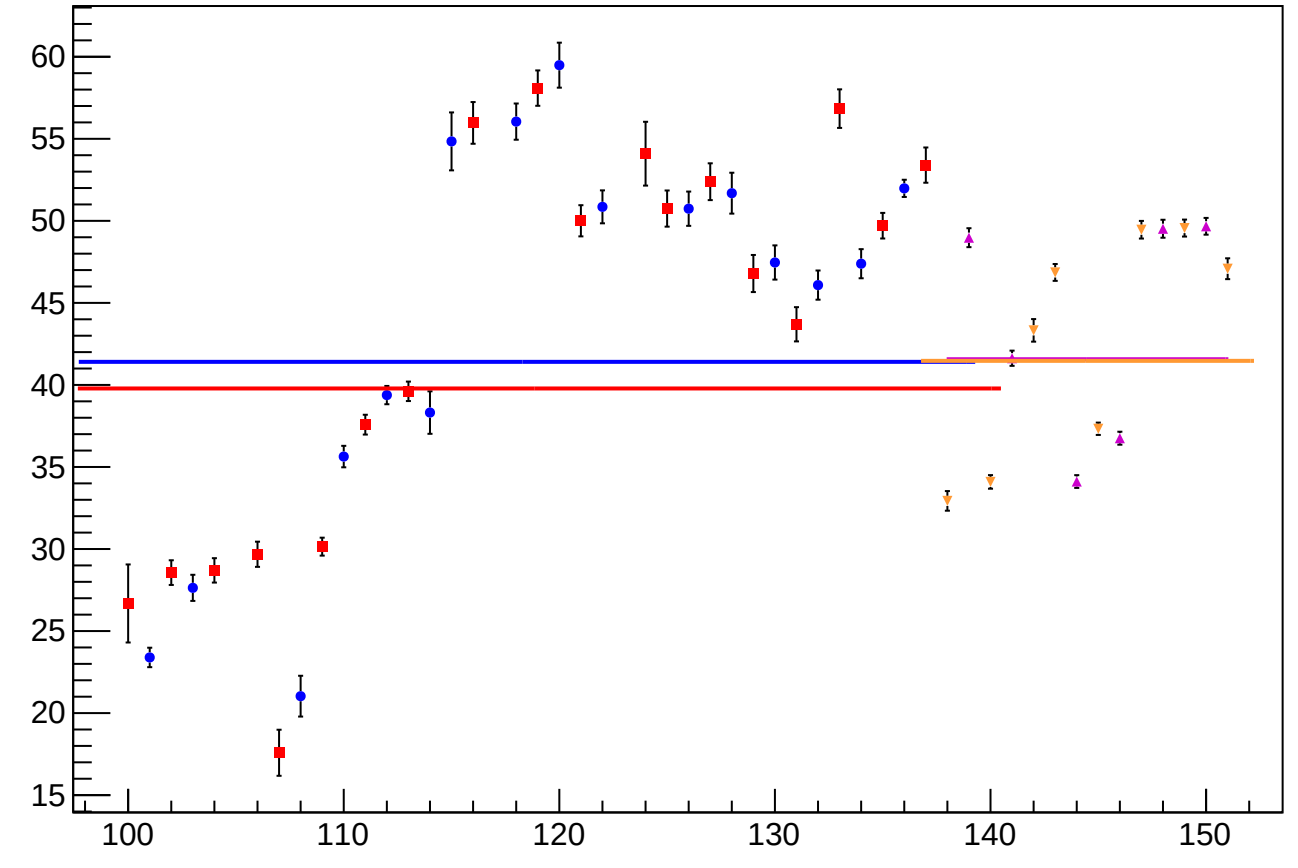
Left: 4.172+/-0.089 χ^2/NDF: 2604.5/13

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.627+/-0.108 χ^2/NDF:4195.4/21

Out: 3.073+/-0.105 χ^2/NDF:4172.6/26

All: 3.342+/-0.075 χ^2/NDF: 8381.5/48



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.468+/-0.179 χ^2/NDF:1303.2/7

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 41.567+/-0.190 χ^2/NDF:1142.8/5

Left: 41.514+/-0.130 χ^2/NDF: 2446.2/13

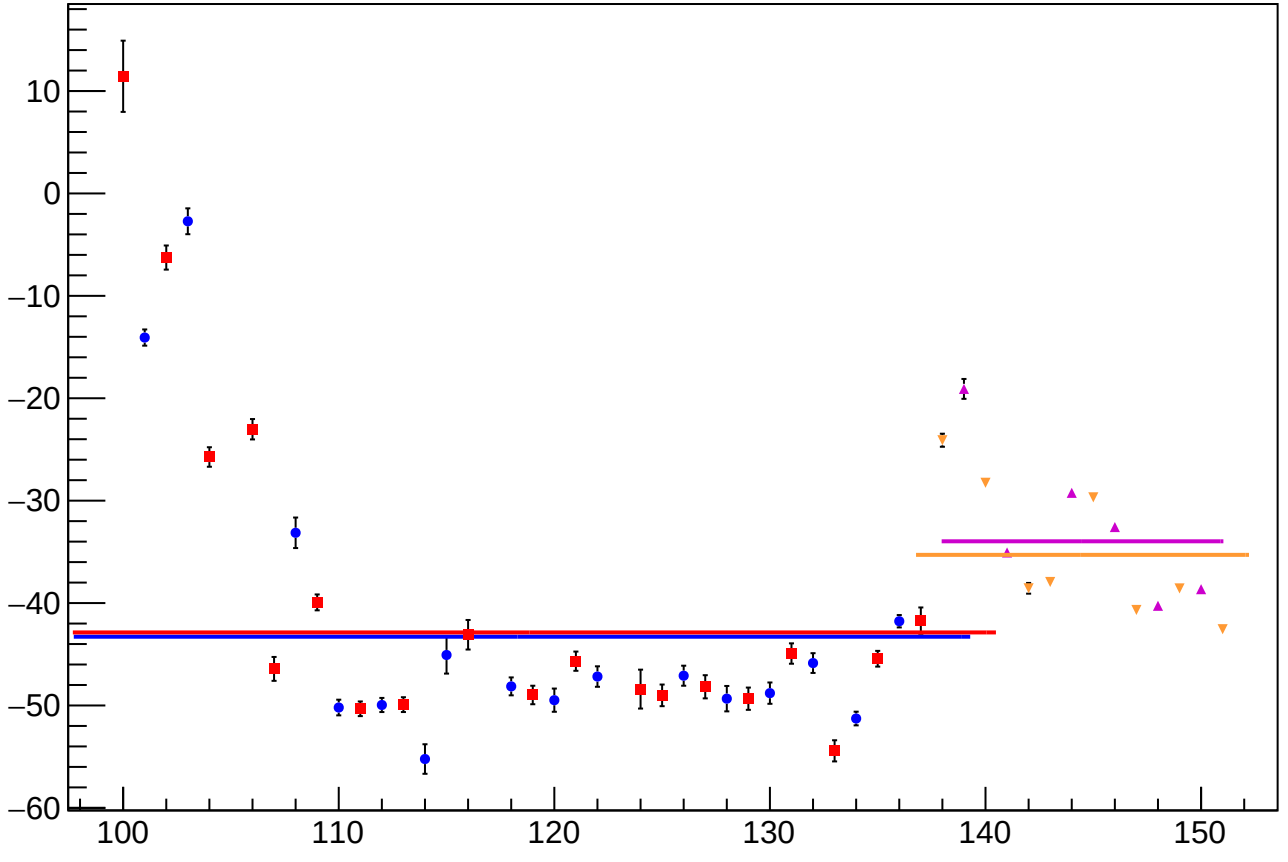
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 41.495+/-0.141 χ^2/NDF:3889.2/21

Out: 40.732+/-0.134 χ^2/NDF:3995.8/26

All: 41.095+/-0.097 χ^2/NDF: 7900.4/48

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.293+/-0.151 χ^2/NDF:1480.9/7

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -33.969+/-0.158 χ^2/NDF:863.3/5

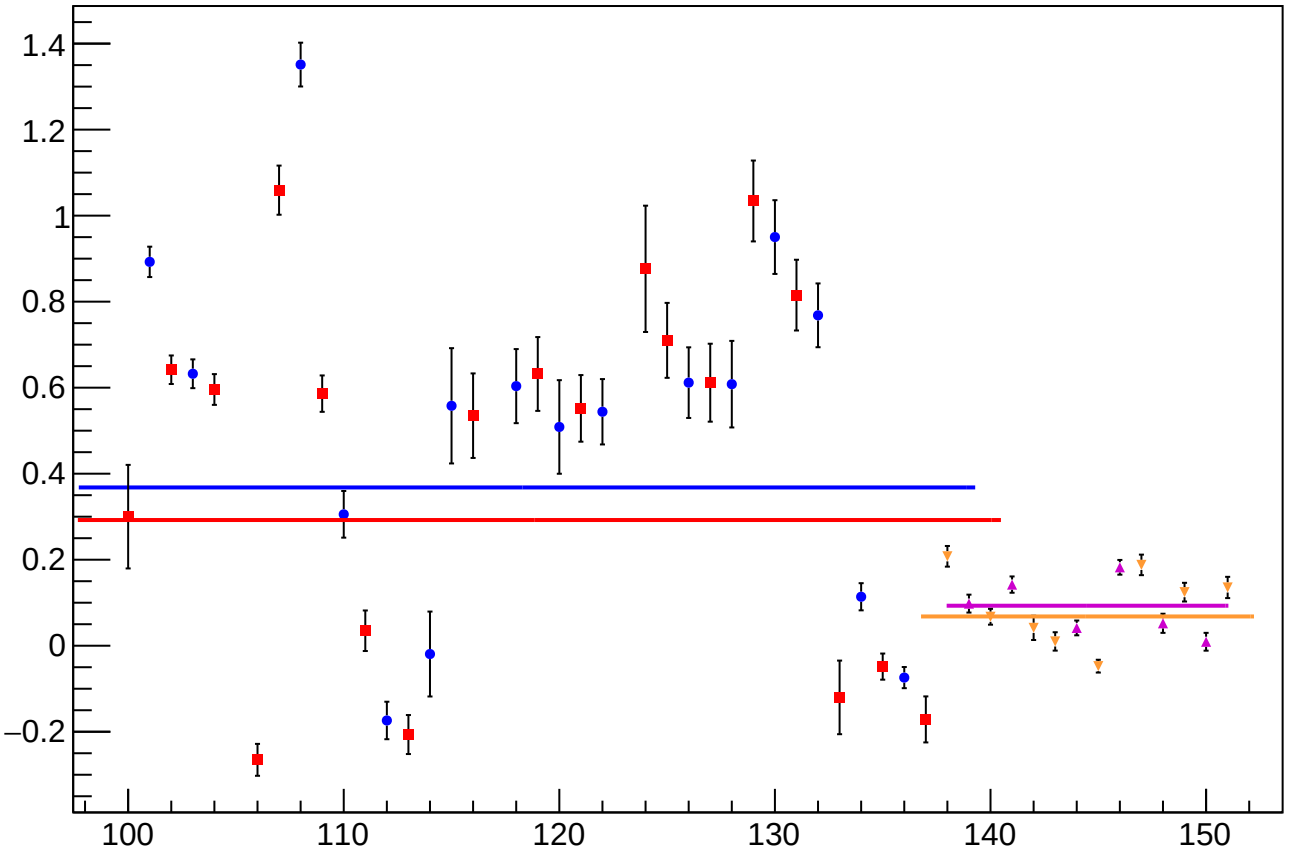
Left: -34.660+/-0.109 χ^2/NDF: 2381.1/13

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.960+/-0.130 χ^2/NDF:4969.1/21

Out: -37.583+/-0.126 χ^2/NDF:4698.1/26

All: -37.281+/-0.090 χ^2/NDF: 9679.1/48



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.068+/-0.007 χ^2/NDF:141.7/7

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.093+/-0.008 χ^2/NDF:62.7/5

Left: 0.080+/-0.005 χ^2/NDF: 209.7/13

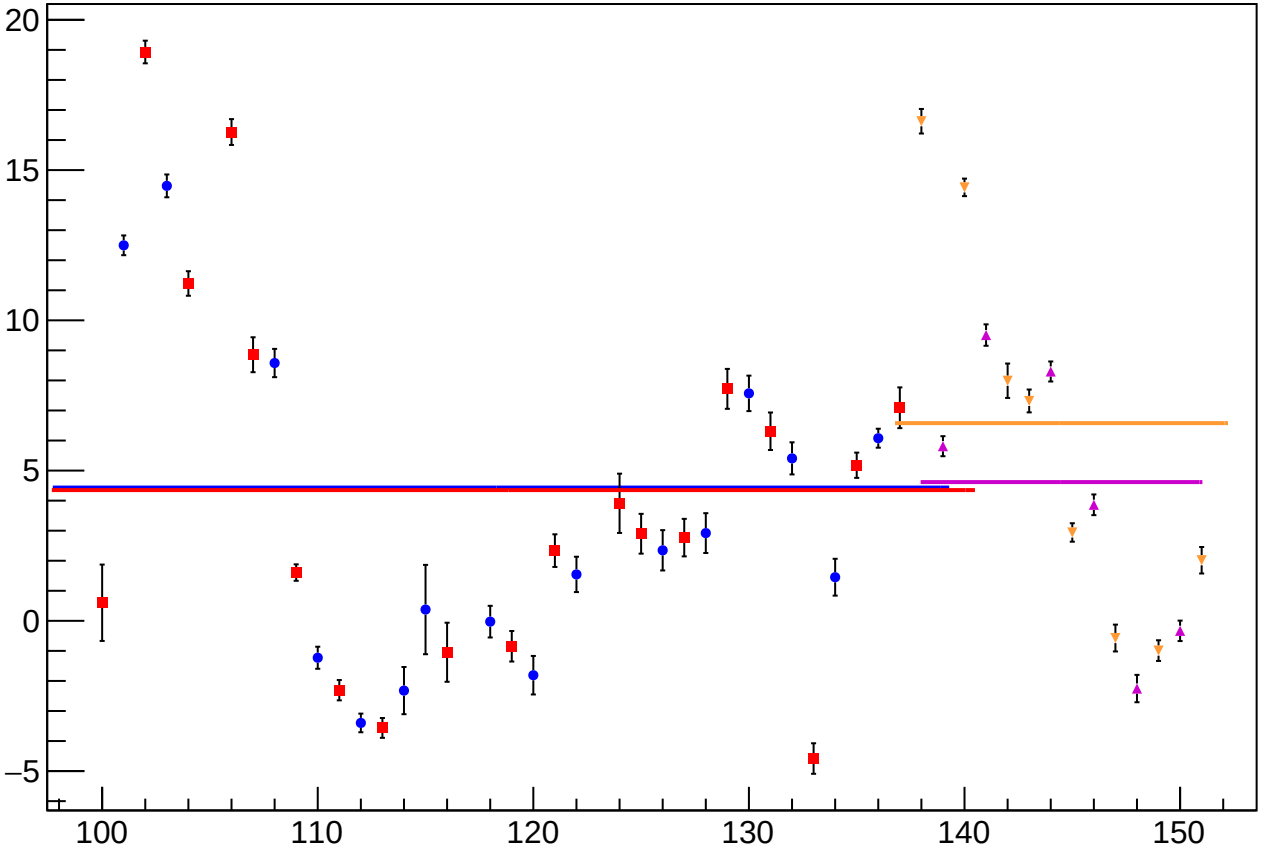
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.174+/-0.007 χ^2/NDF:1742.9/21

Out: 0.129+/-0.006 χ^2/NDF:1590.2/26

All: 0.150+/-0.005 χ^2/NDF: 3356.5/48

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 6.579+/-0.133 χ^2/NDF:2326.3/7

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 4.617+/-0.145 χ^2/NDF:767.2/5

Left: 5.684+/-0.098 χ^2/NDF: 3193.5/13

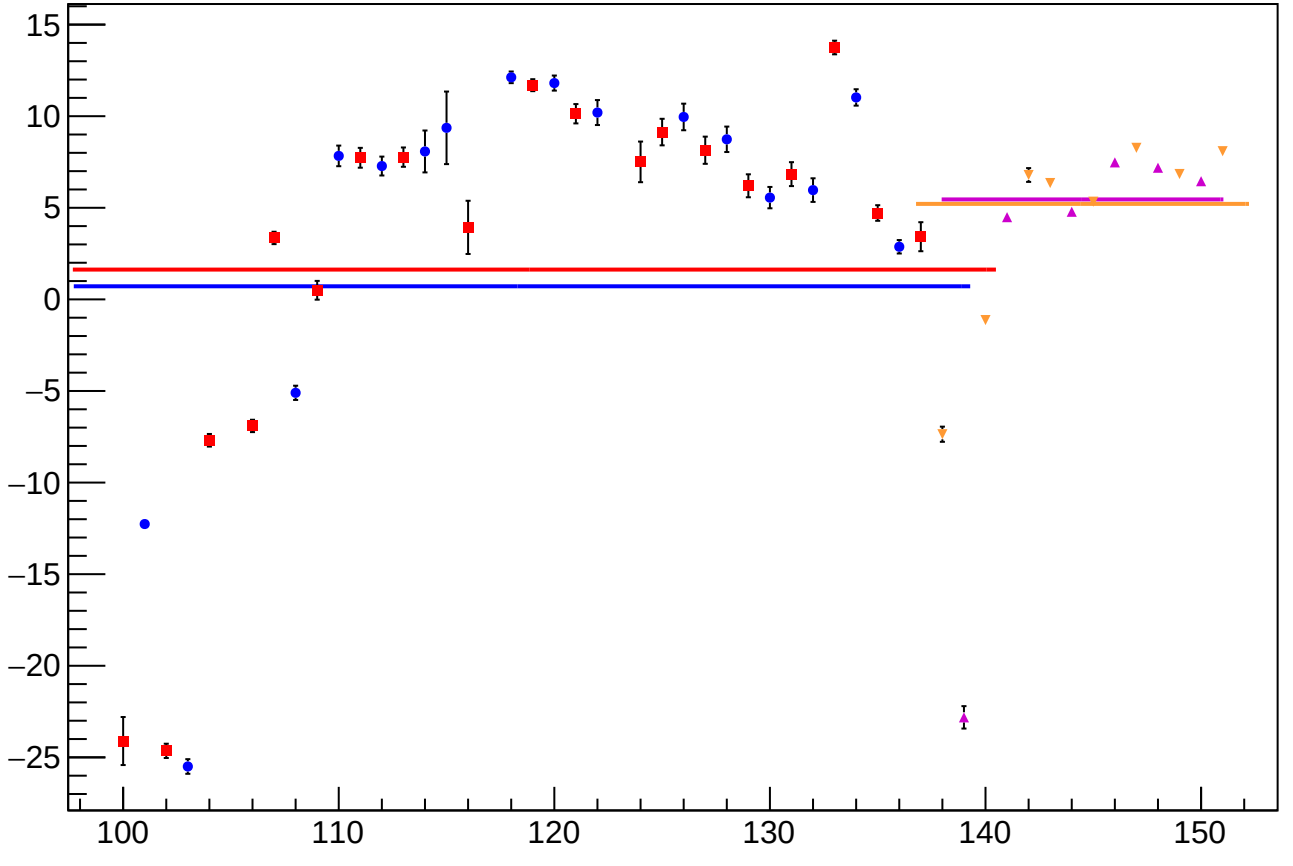
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.507+/-0.091 χ^2/NDF:3390.2/21

Out: 5.251+/-0.084 χ^2/NDF:6700.2/26

All: 4.908+/-0.062 χ^2/NDF: 10126.4/48

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.213+/-0.092 χ^2/NDF:2036.8/7

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.456+/-0.102 χ^2/NDF:2330.1/5

Left: 5.322+/-0.068 χ^2/NDF: 4370.0/13

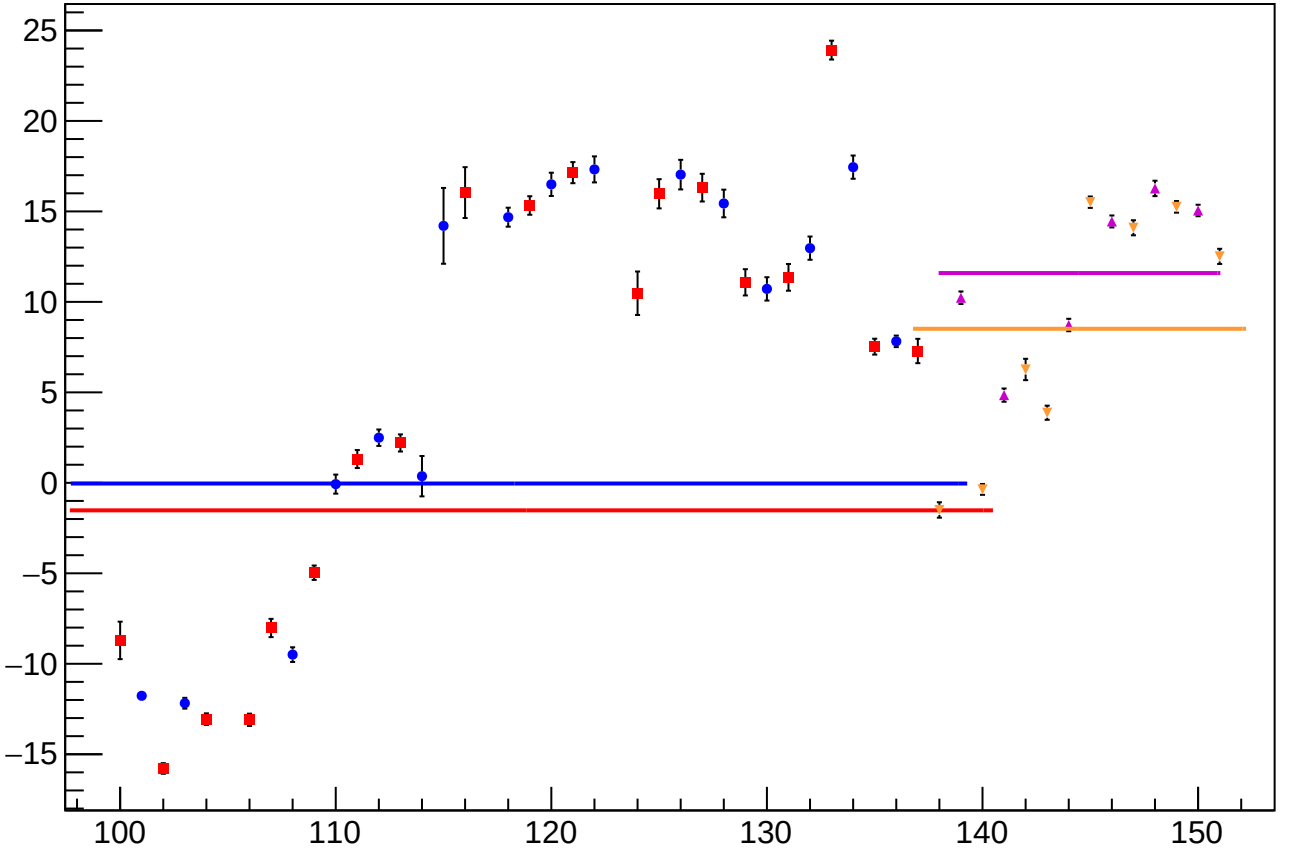
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.387+/-0.077 χ^2/NDF:13726.8/21

Out: 3.753+/-0.071 χ^2/NDF:11910.6/26

All: 3.584+/-0.052 χ^2/NDF: 25649.7/48

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 8.514+/-0.132 χ^2/NDF:2785.2/7

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 11.593+/-0.143 χ^2/NDF:737.7/5

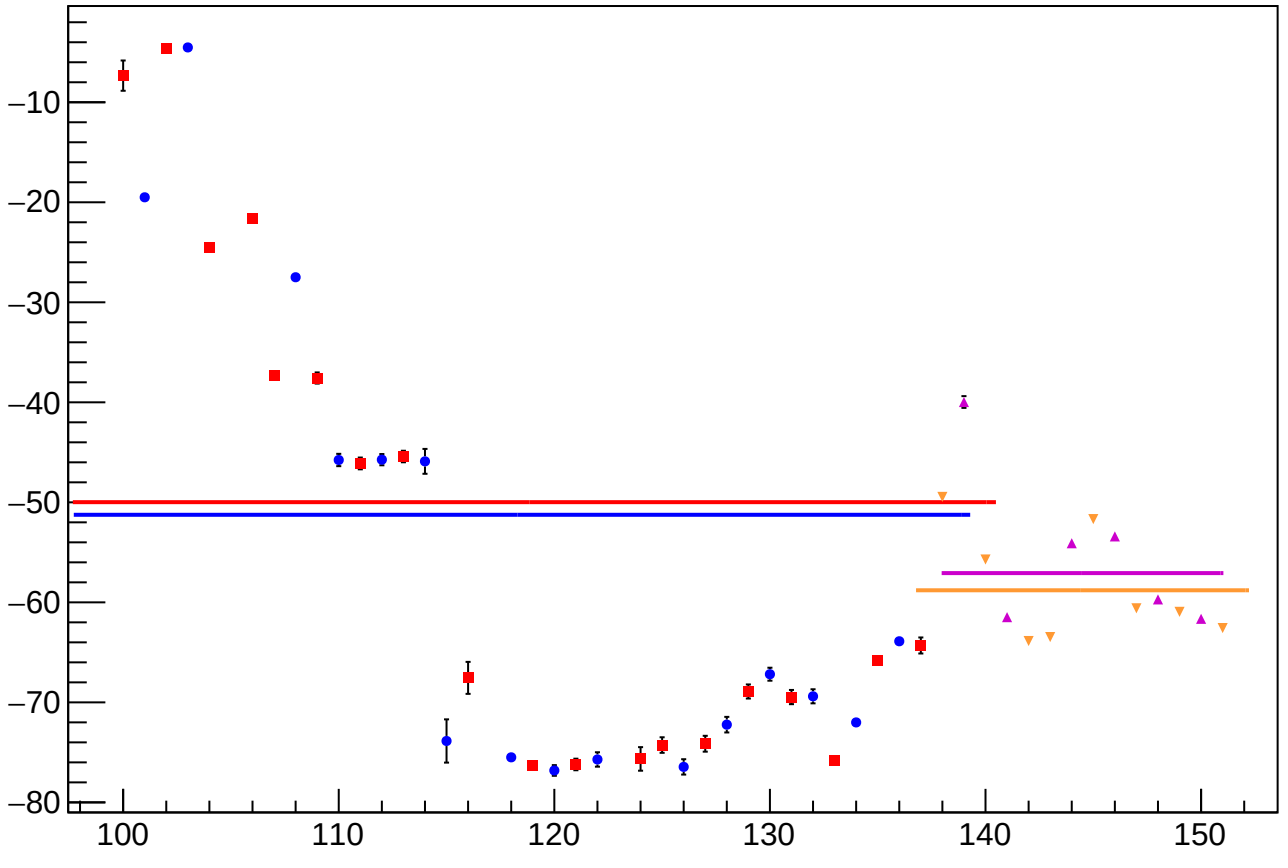
Left: 9.931+/-0.097 χ^2/NDF: 3772.5/13

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 4.731+/-0.092 χ^2/NDF:13905.2/21

Out: 2.806+/-0.087 χ^2/NDF:18193.6/26

All: 3.716+/-0.063 χ^2/NDF: 32331.3/48



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.794+/-0.112 χ^2/NDF:1683.8/7

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -57.076+/-0.124 χ^2/NDF:1728.1/5

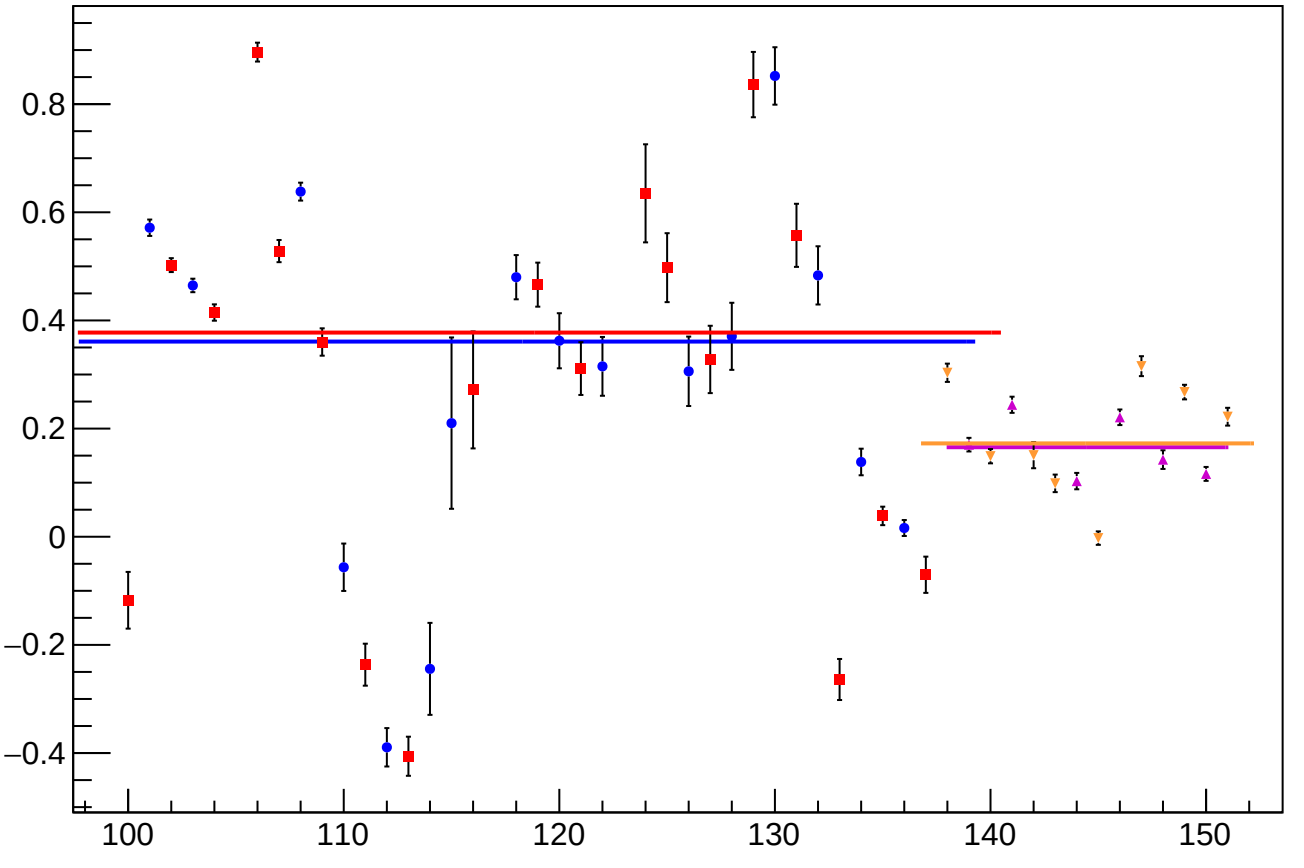
Left: -58.018+/-0.083 χ^2/NDF: 3517.5/13

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -54.429+/-0.091 χ^2/NDF:36500.2/21

Out: -55.048+/-0.085 χ^2/NDF:38189.3/26

All: -54.760+/-0.062 χ^2/NDF: 74714.0/48



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.173+/-0.005 χ^2/NDF:400.4/7

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.166+/-0.006 χ^2/NDF:76.1/5

Left: 0.169+/-0.004 χ^2/NDF: 477.3/13

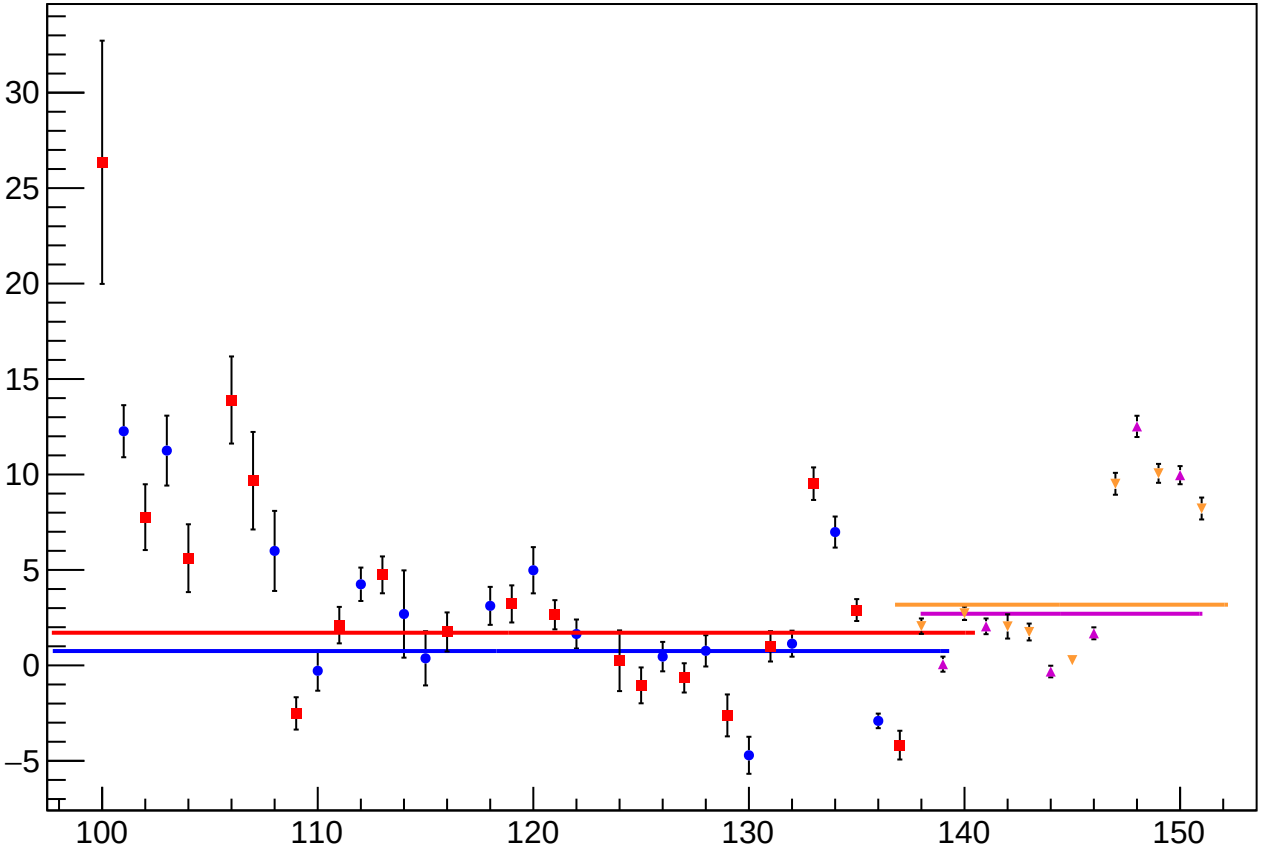
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.255+/-0.004 χ^2/NDF:2448.0/21

Out: 0.264+/-0.004 χ^2/NDF:3814.1/26

All: 0.260+/-0.003 χ^2/NDF: 6264.5/48

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.180+/-0.147 χ^2/NDF:536.6/7

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 2.705+/-0.156 χ^2/NDF:701.7/5

Left: 2.957+/-0.107 χ^2/NDF: 1243.2/13

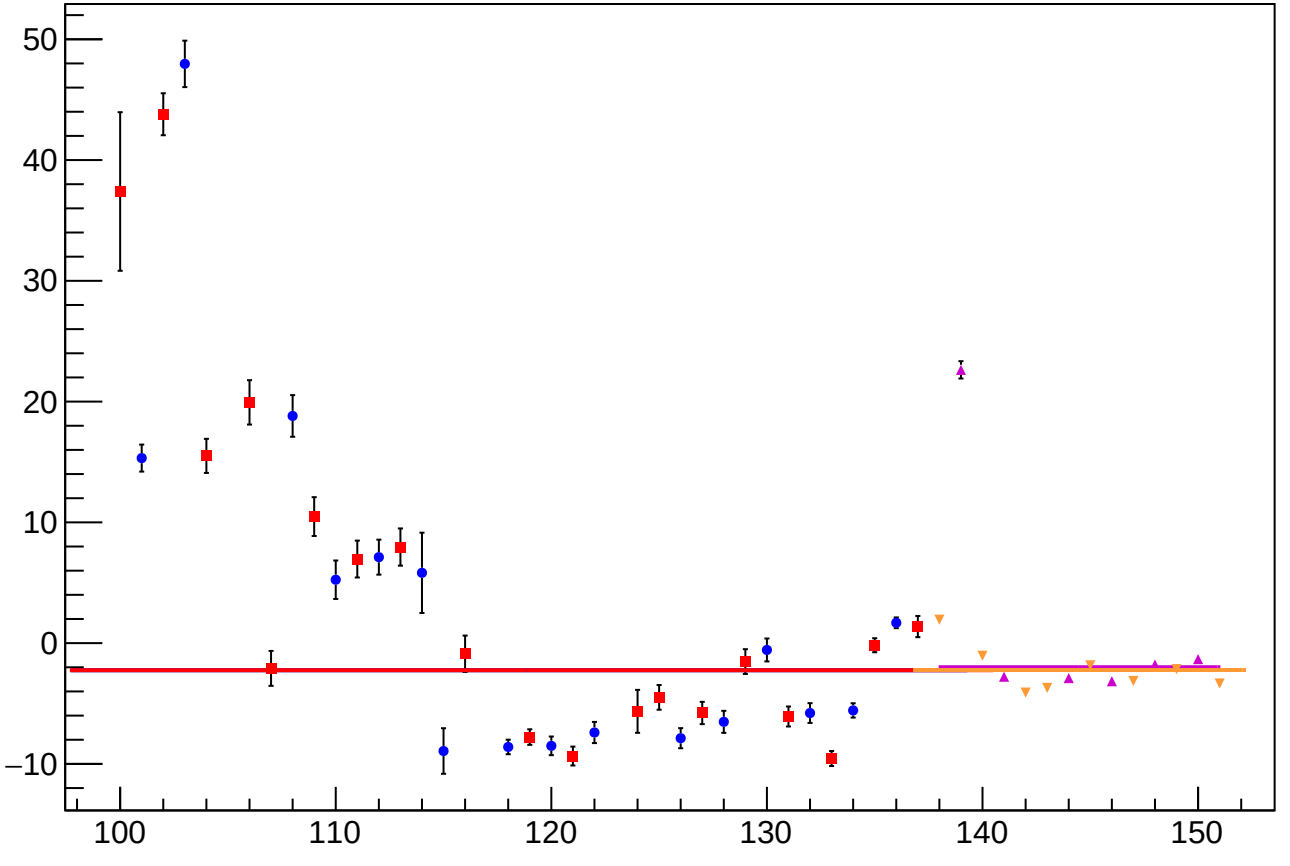
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.019+/-0.126 χ^2/NDF:1086.7/21

Out: 2.735+/-0.123 χ^2/NDF:860.8/26

All: 2.387+/-0.088 χ^2/NDF: 1964.0/48

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: -2.226+/-0.105 χ^2/NDF:196.7/7

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -1.995+/-0.109 χ^2/NDF:1240.3/5

Left: -2.115+/-0.076 χ^2/NDF: 1439.4/13

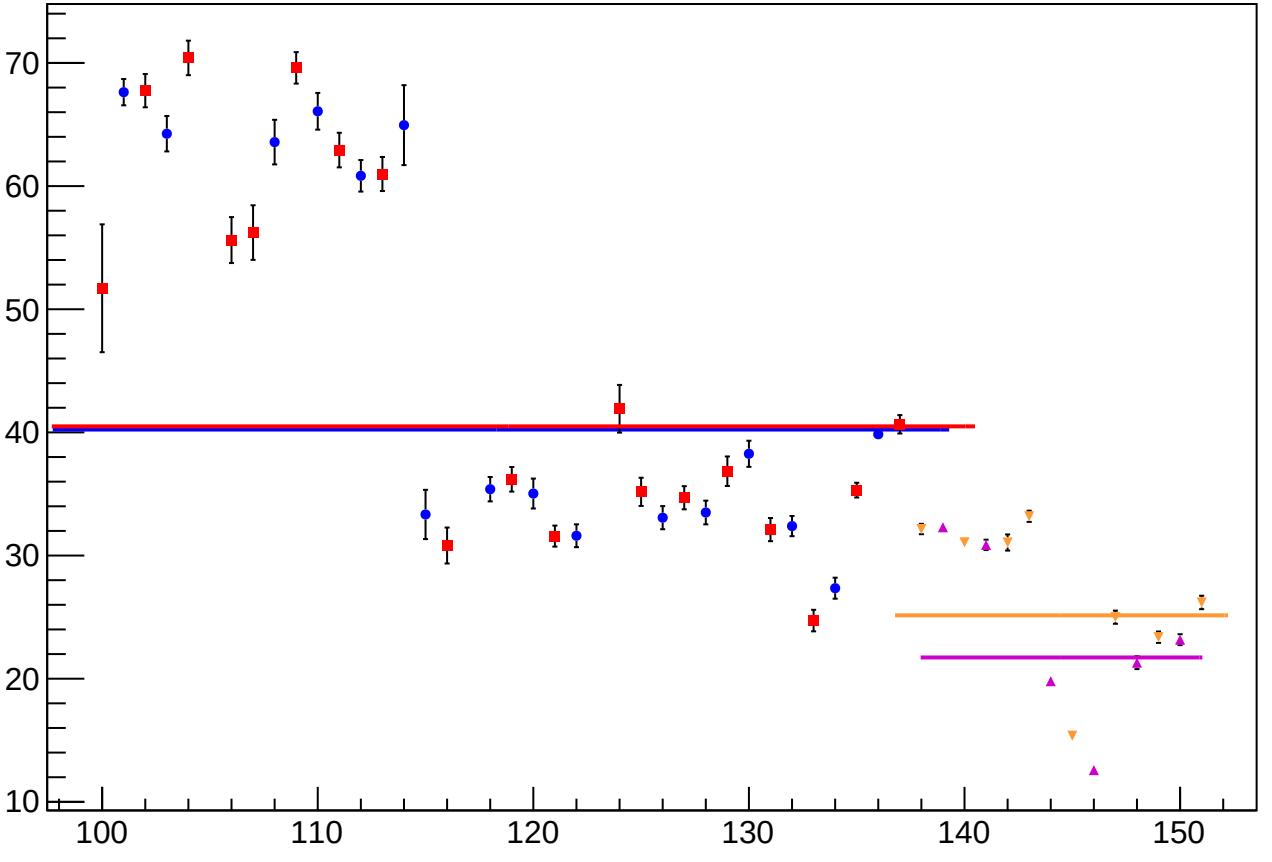
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.046+/-0.097 χ^2/NDF:2813.9/21

Out: -2.229+/-0.096 χ^2/NDF:1752.4/26

All: -2.139+/-0.068 χ^2/NDF: 4568.0/48

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: 25.146+/-0.148 χ^2/NDF:2254.3/7

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.724+/-0.155 χ^2/NDF:2099.1/5

Left: 23.516+/-0.107 χ^2/NDF: 4607.4/13

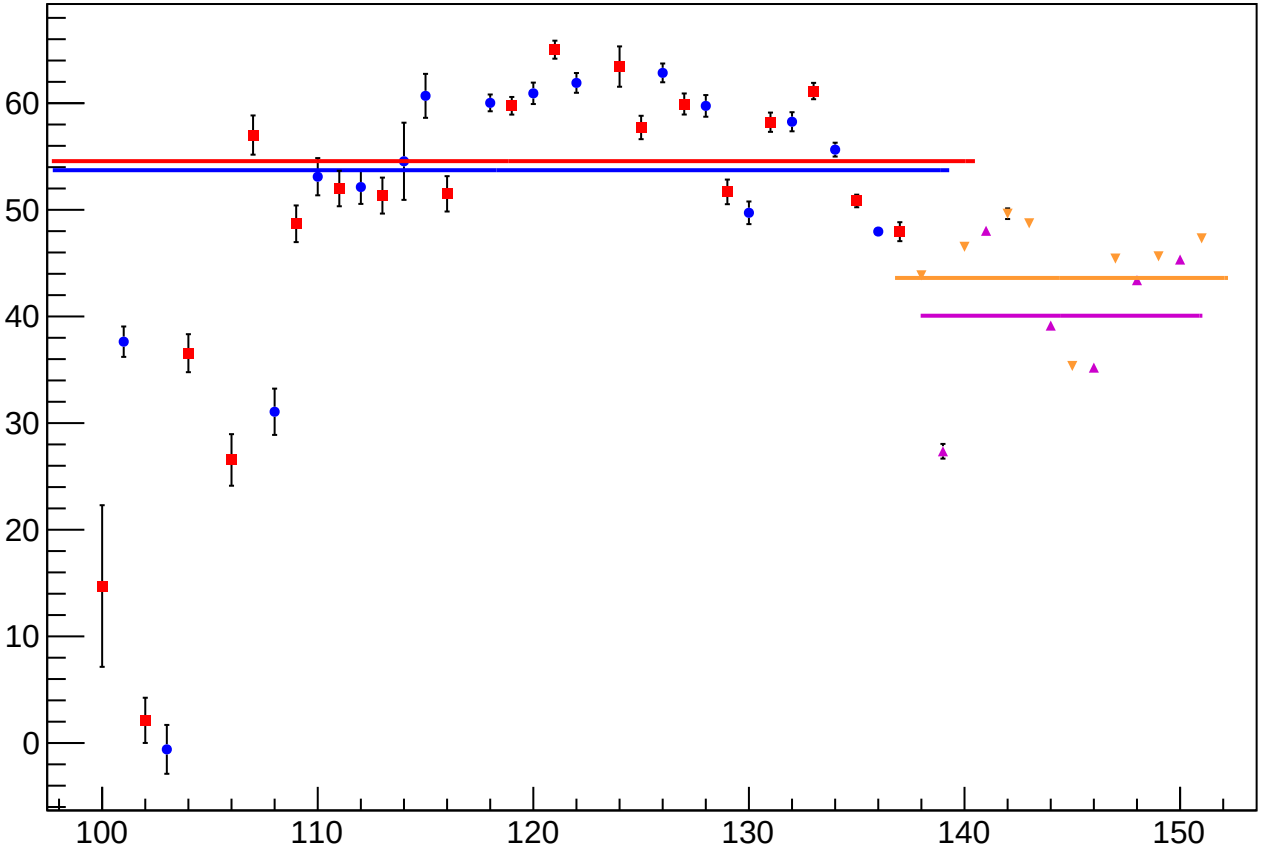
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.474+/-0.129 χ^2/NDF:8798.6/21

Out: 29.125+/-0.128 χ^2/NDF:7732.9/26

All: 28.309+/-0.091 χ^2/NDF: 16614.3/48

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.613+/-0.128 χ^2/NDF:1660.6/7

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 40.070+/-0.133 χ^2/NDF:1555.6/5

Left: 41.909+/-0.092 χ^2/NDF: 3585.8/13

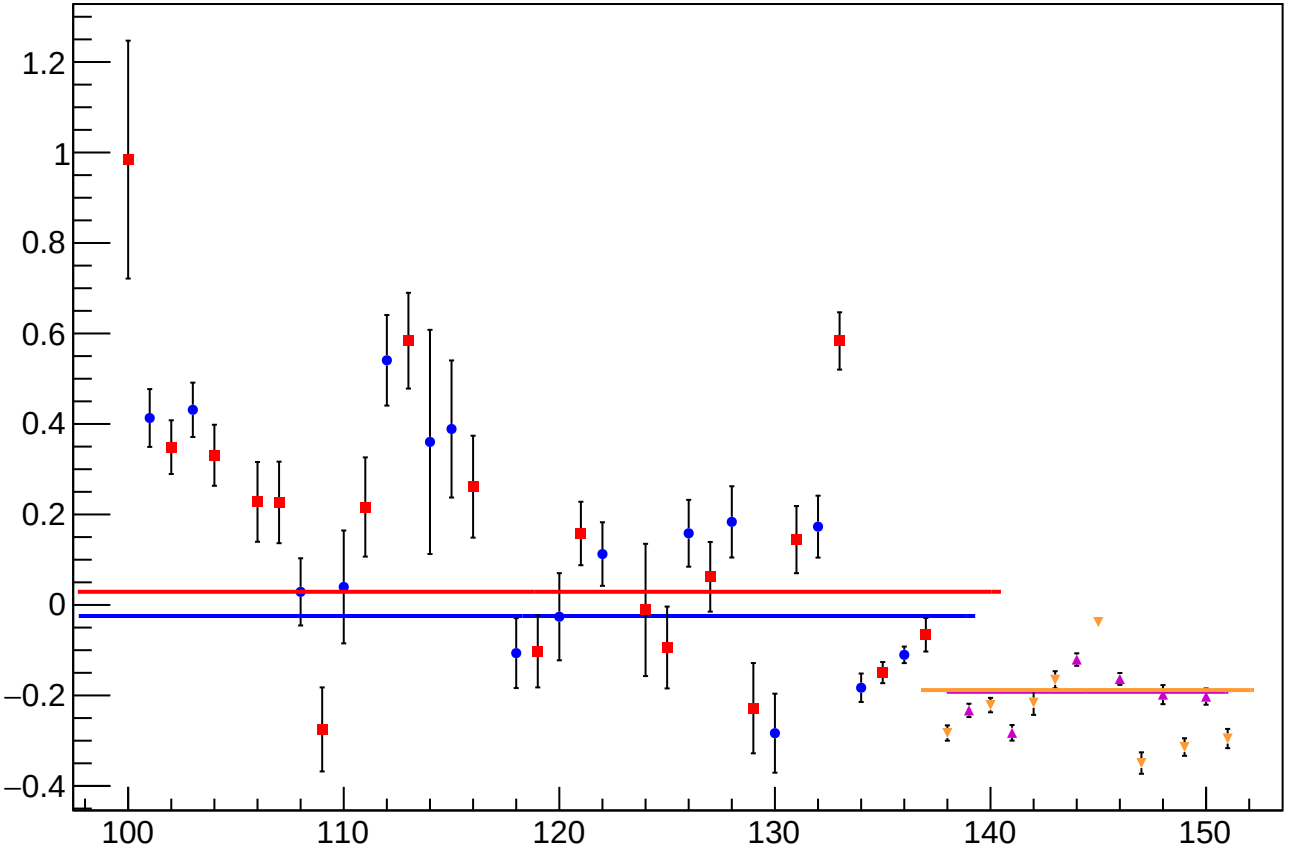
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.288+/-0.116 χ^2/NDF:5409.0/21

Out: 45.795+/-0.114 χ^2/NDF:4467.3/26

All: 44.560+/-0.081 χ^2/NDF: 10113.1/48

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.188+/-0.006 χ^2/NDF:346.2/7

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.192+/-0.006 χ^2/NDF:67.3/5

Left: -0.190+/-0.004 χ^2/NDF: 413.6/13

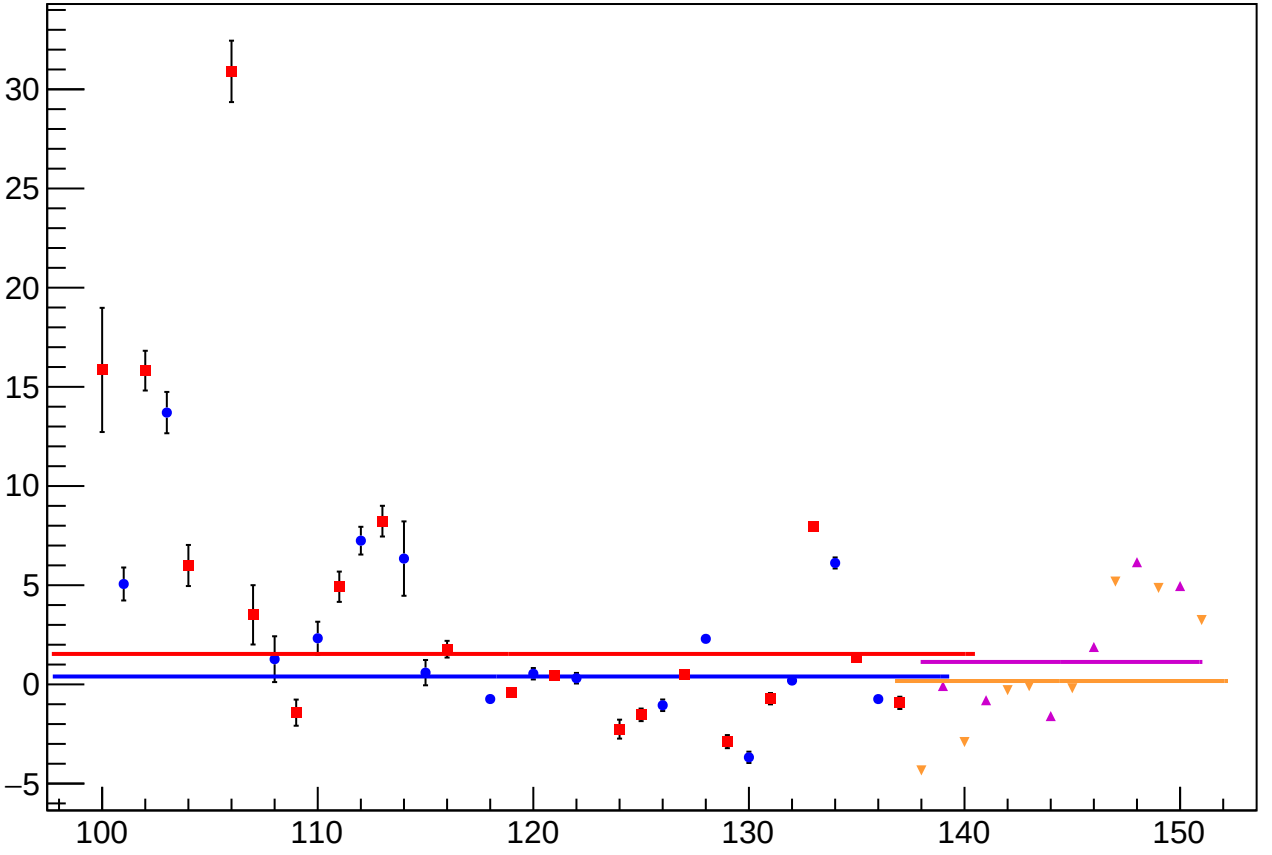
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.158+/-0.006 χ^2/NDF:433.8/21

Out: -0.154+/-0.006 χ^2/NDF:819.0/26

All: -0.156+/-0.004 χ^2/NDF: 1253.0/48

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: 0.170+/-0.053 χ^2/NDF:3236.7/7

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 1.132+/-0.055 χ^2/NDF:2258.9/5

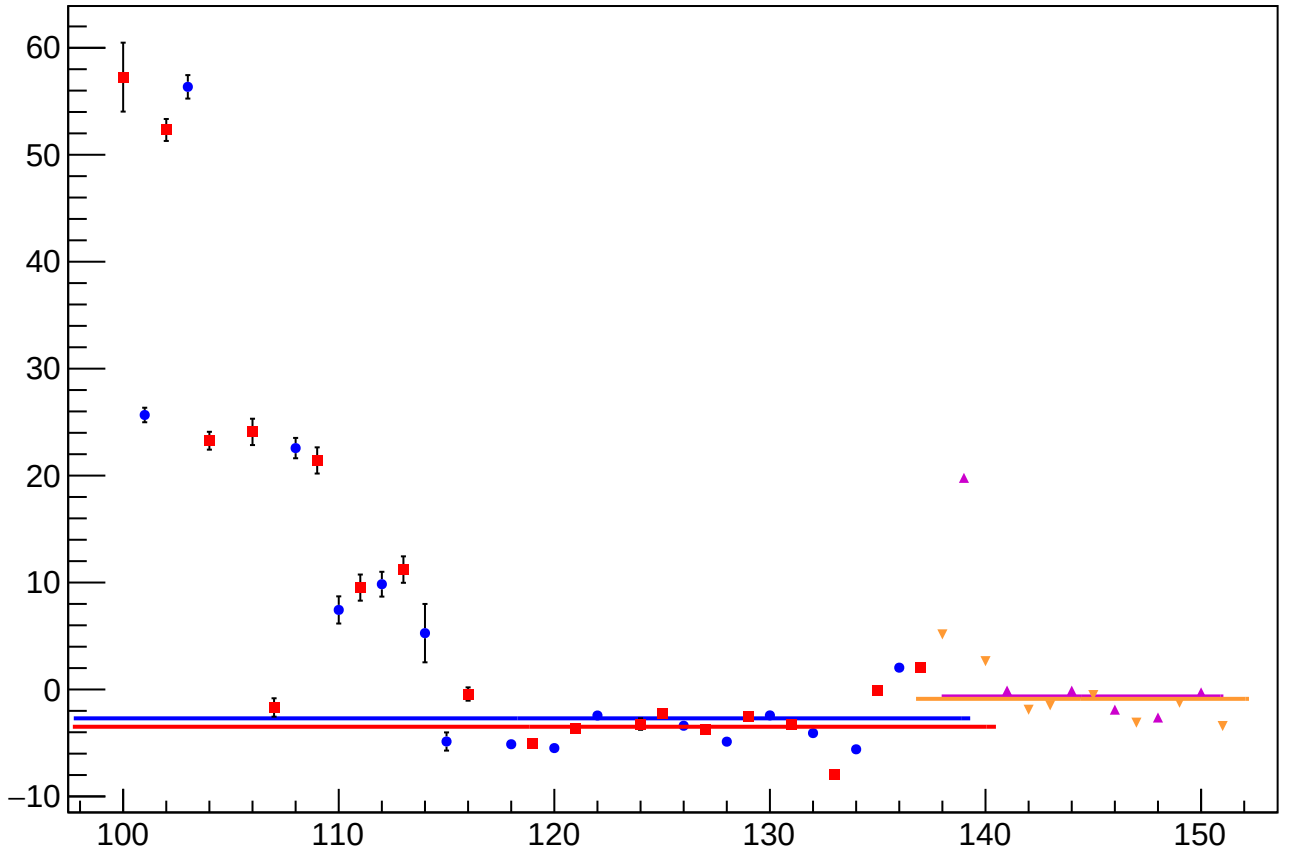
Left: 0.633+/-0.038 χ^2/NDF: 5655.9/13

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.886+/-0.045 χ^2/NDF:3416.6/21

Out: 0.597+/-0.044 χ^2/NDF:5857.5/26

All: 0.739+/-0.031 χ^2/NDF: 9295.5/48



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.875+/-0.038 χ^2/NDF:3672.2/7

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.650+/-0.038 χ^2/NDF:7304.6/5

Left: -0.766+/-0.027 χ^2/NDF: 10994.3/13

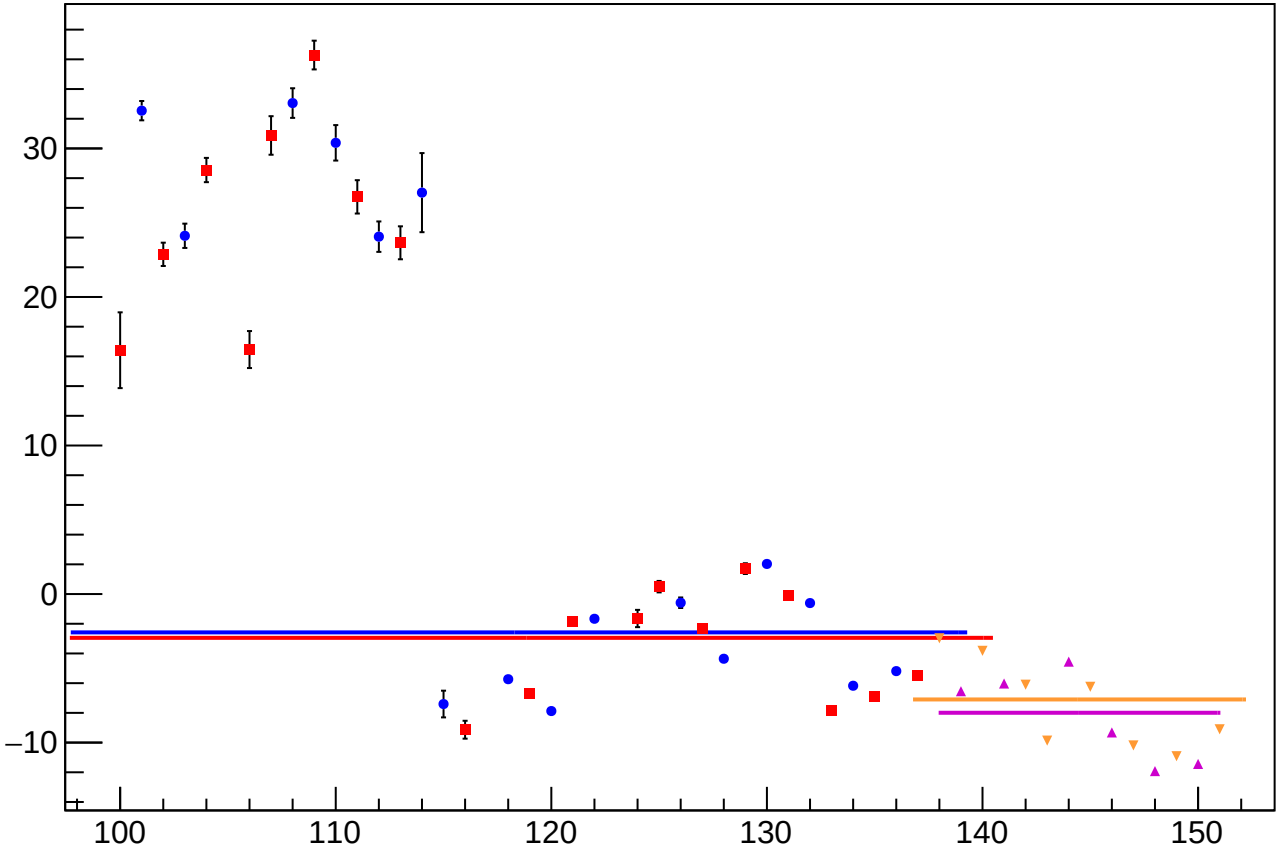
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.117+/-0.034 χ^2/NDF:15056.2/21

Out: -1.447+/-0.033 χ^2/NDF:11892.0/26

All: -1.285+/-0.024 χ^2/NDF: 26996.9/48

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -7.097+/-0.053 χ^2/NDF:2728.9/7

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.993+/-0.054 χ^2/NDF:2432.5/5

Left: -7.533+/-0.038 χ^2/NDF: 5301.4/13

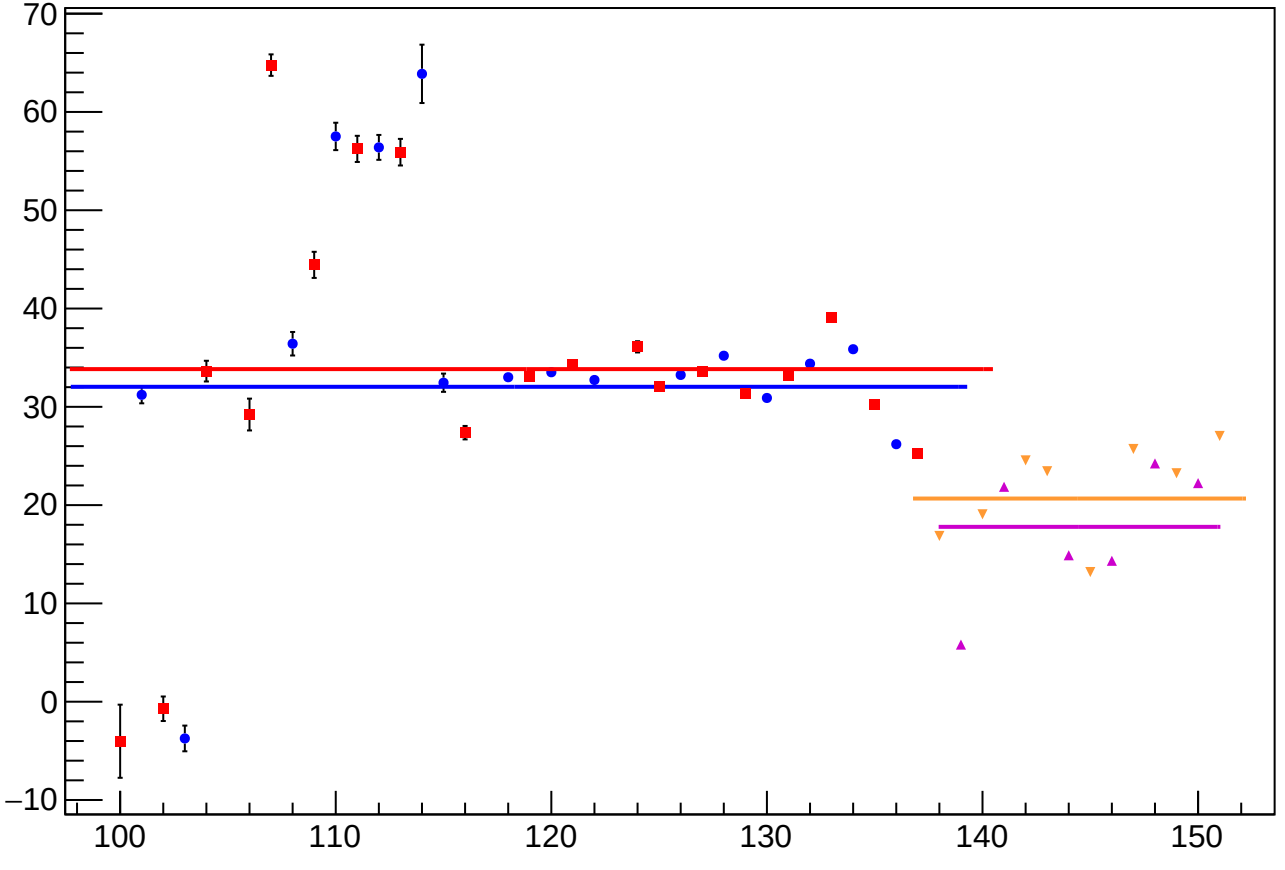
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.376+/-0.045 χ^2/NDF:13566.5/21

Out: -5.939+/-0.045 χ^2/NDF:12644.9/26

All: -6.155+/-0.032 χ^2/NDF: 26258.4/48

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 20.669+/-0.045 χ^2/NDF:12297.2/7

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 17.789+/-0.047 χ^2/NDF:10020.1/5

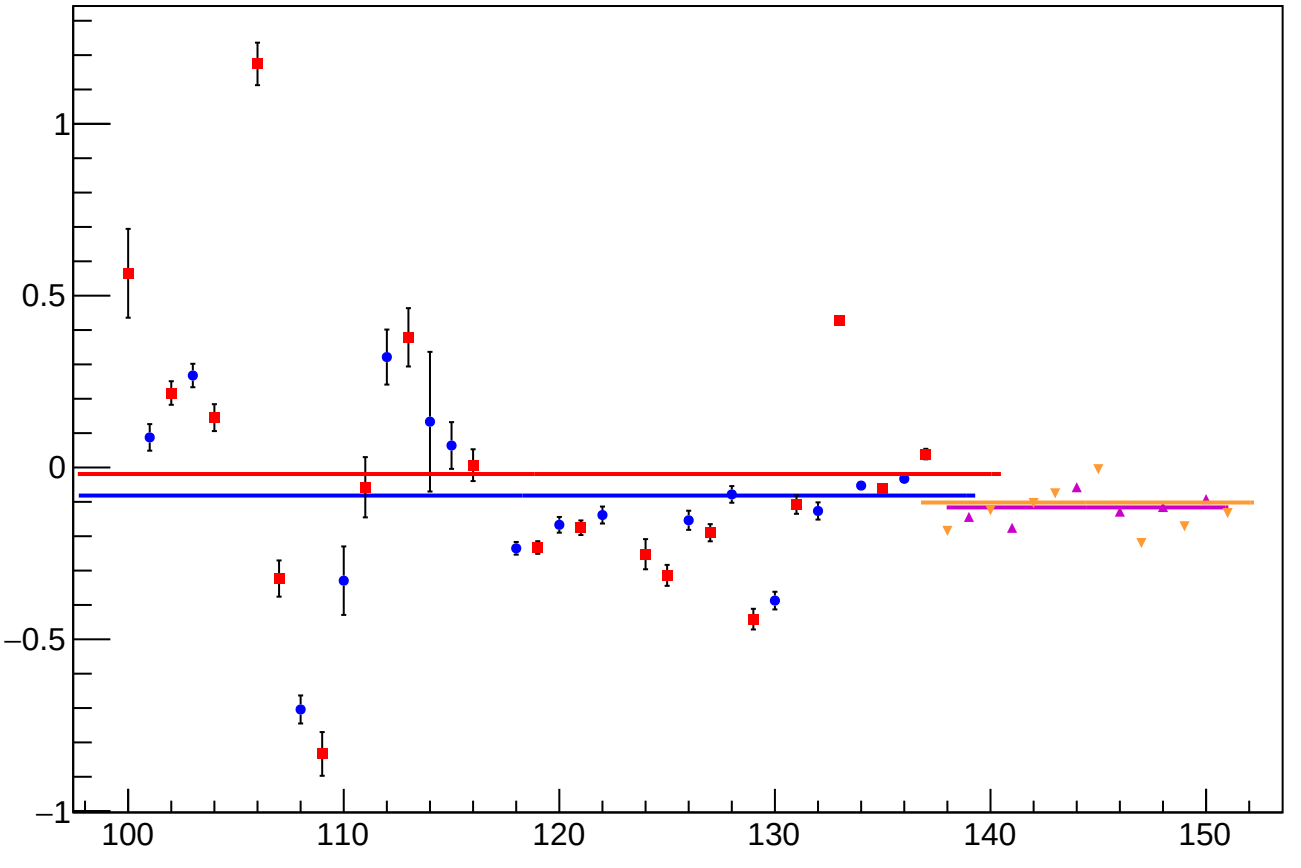
Left: 19.262+/-0.033 χ^2/NDF: 24278.9/13

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.303+/-0.040 χ^2/NDF:36425.1/21

Out: 23.786+/-0.040 χ^2/NDF:36401.9/26

All: 22.565+/-0.028 χ^2/NDF: 74751.2/48



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.102+/-0.002 χ^2/NDF:1134.5/7

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.116+/-0.002 χ^2/NDF:284.4/5

Left: -0.109+/-0.002 χ^2/NDF: 1439.9/13

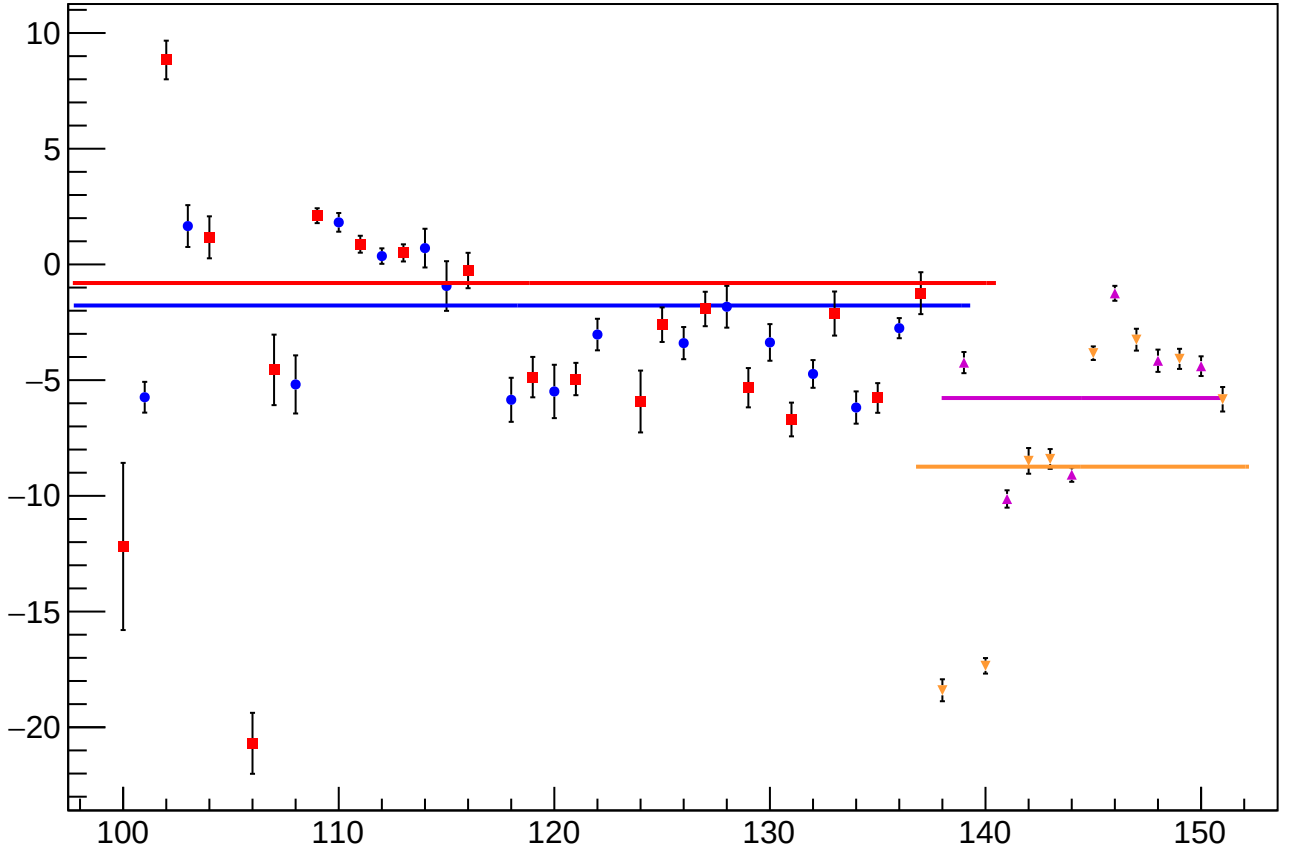
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.110+/-0.002 χ^2/NDF:1015.8/21

Out: -0.089+/-0.002 χ^2/NDF:3624.5/26

All: -0.100+/-0.001 χ^2/NDF: 4692.4/48

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.739+/-0.146 χ^2/NDF:1633.6/7

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -5.773+/-0.155 χ^2/NDF:478.7/5

Left: -7.345+/-0.106 χ^2/NDF: 2306.9/13

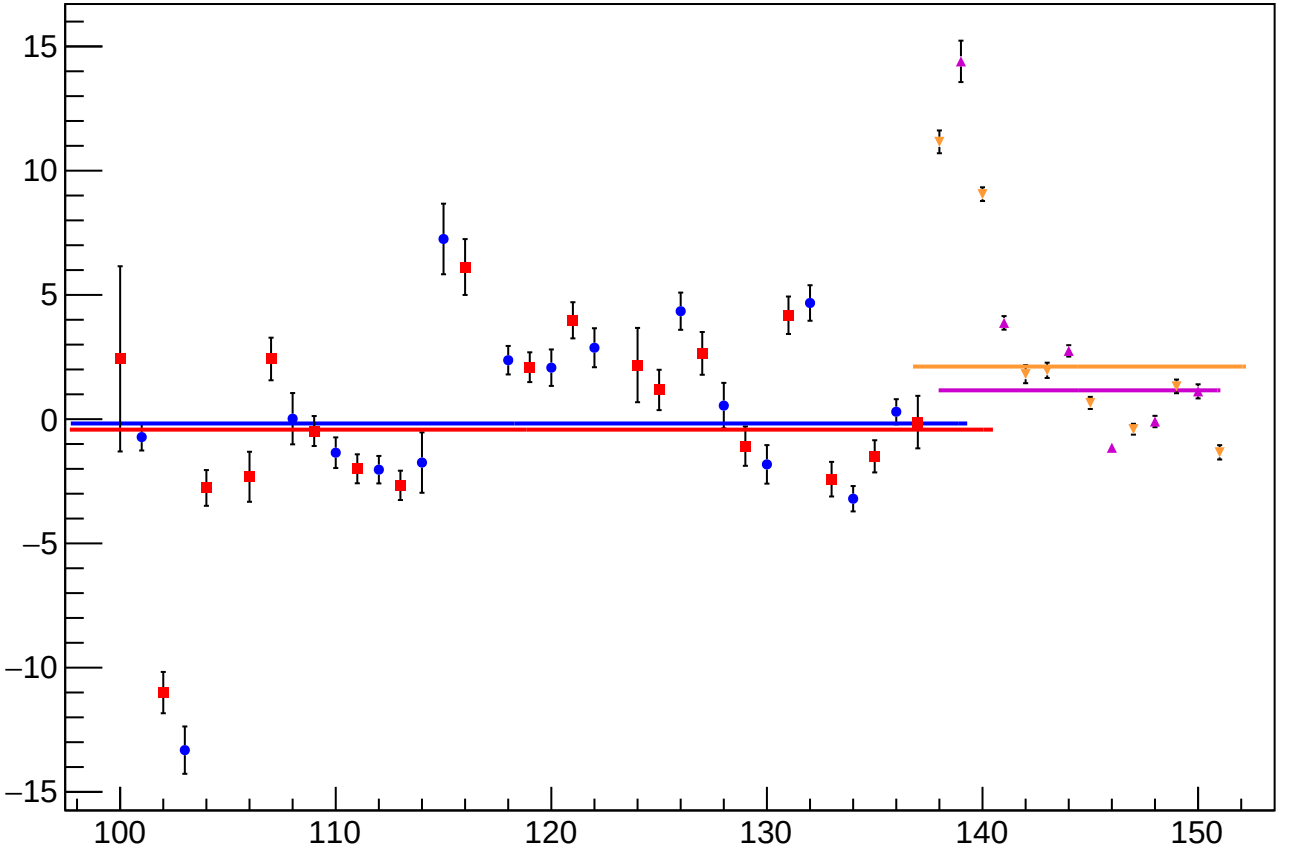
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -3.804+/-0.110 χ^2/NDF:1105.1/21

Out: -4.840+/-0.104 χ^2/NDF:3823.5/26

All: -4.352+/-0.076 χ^2/NDF: 4975.3/48

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: 2.117+/-0.100 χ^2/NDF:1339.1/7

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.160+/-0.104 χ^2/NDF:571.2/5

Left: 1.656+/-0.072 χ^2/NDF: 1953.9/13

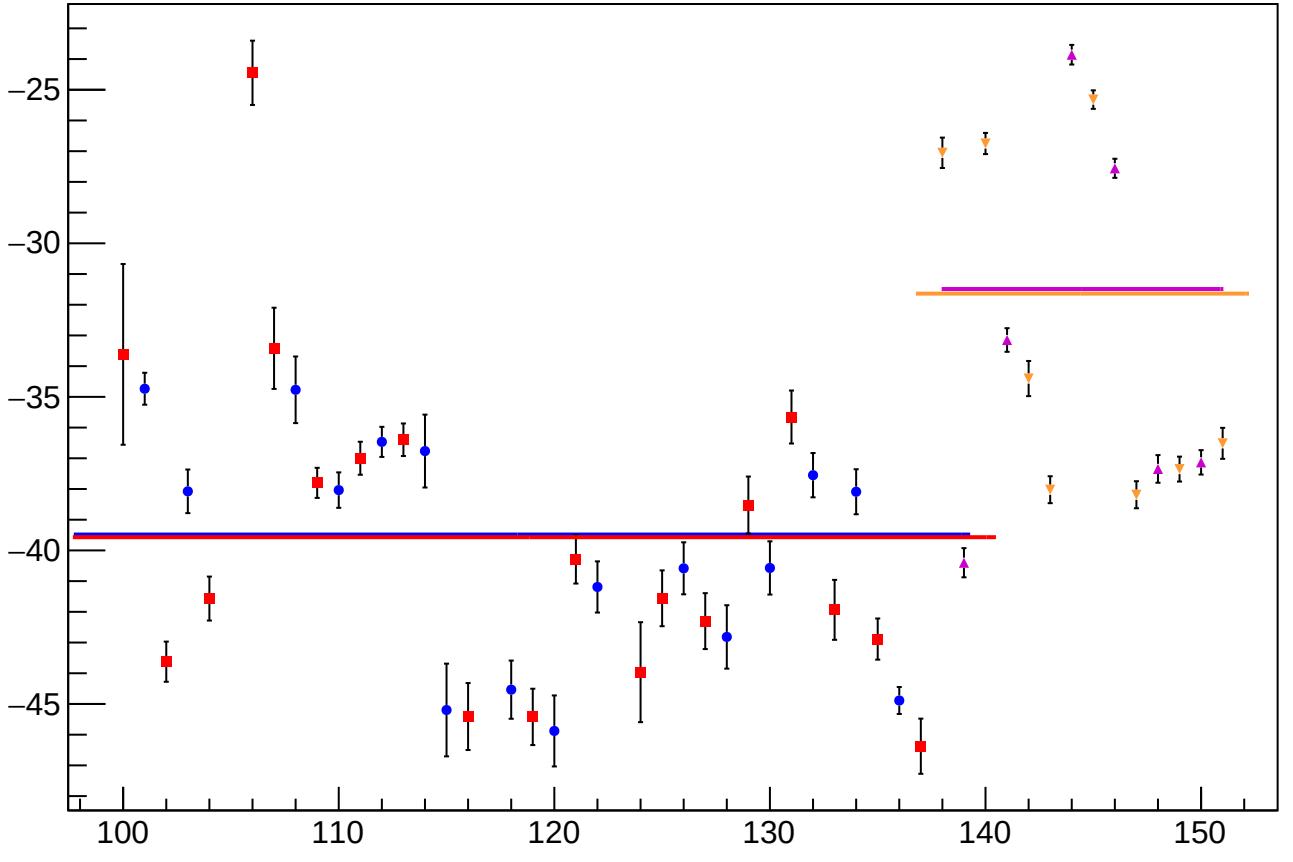
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.804+/-0.089 χ^2/NDF:1017.9/21

Out: 1.499+/-0.087 χ^2/NDF:1860.6/26

All: 1.159+/-0.062 χ^2/NDF: 2909.4/48

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.638+/-0.146 χ^2/NDF:1474.1/7

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -31.488+/-0.153 χ^2/NDF:1470.3/5

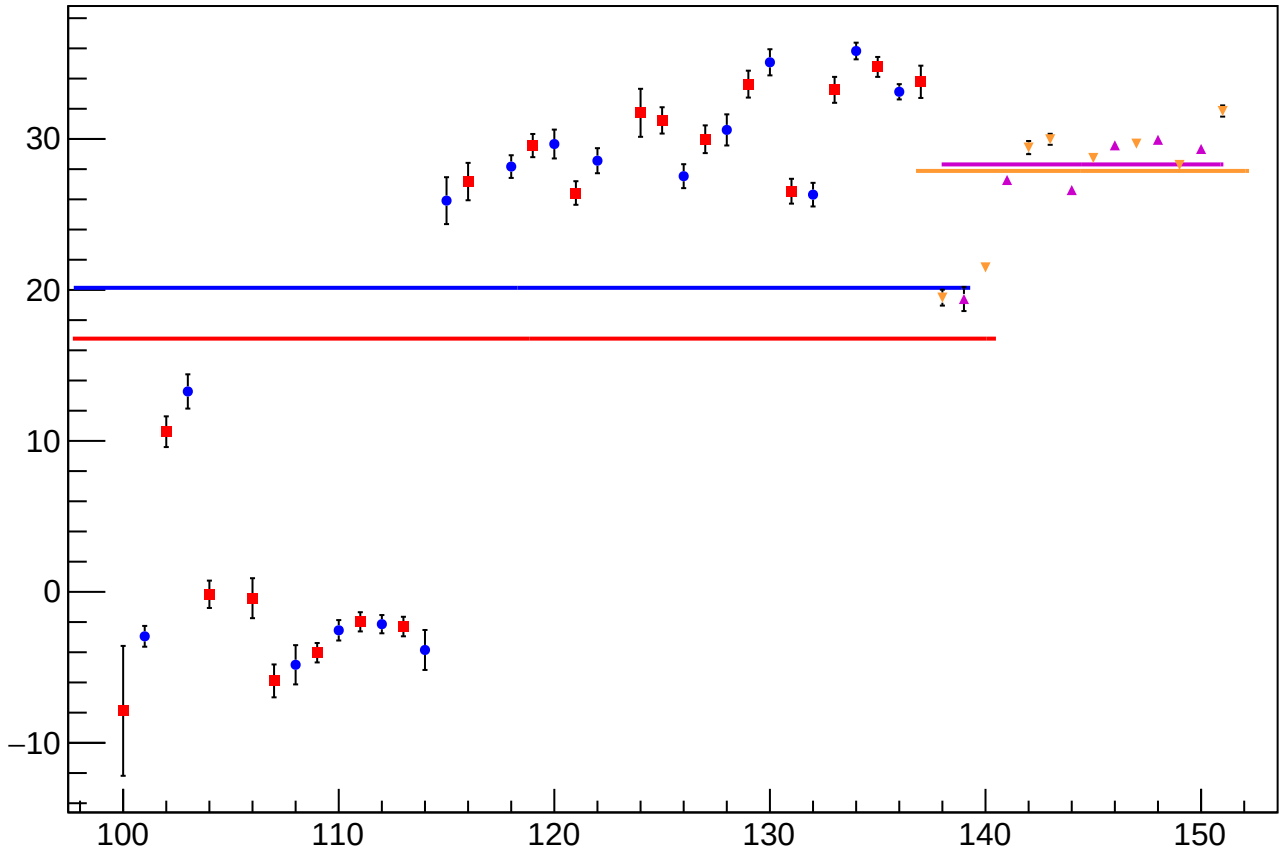
Left: -31.566+/-0.106 χ^2/NDF: 2944.9/13

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.843+/-0.117 χ^2/NDF:3021.9/21

Out: -34.765+/-0.114 χ^2/NDF:3191.2/26

All: -34.803+/-0.081 χ^2/NDF: 6213.2/48



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.884+/-0.123 χ^2/NDF:828.7/7

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.315+/-0.128 χ^2/NDF:237.8/5

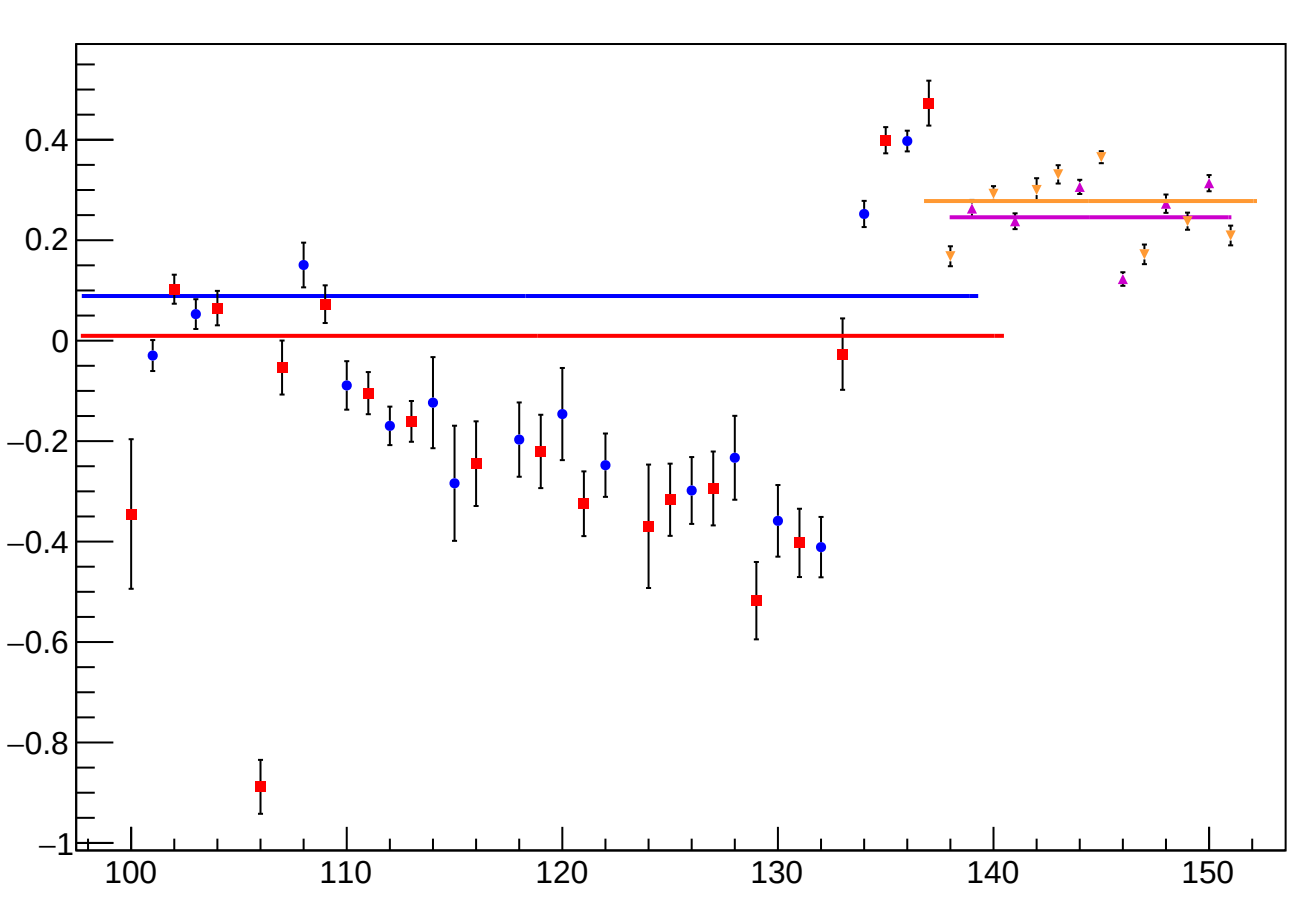
Left: 28.091+/-0.089 χ^2/NDF: 1072.4/13

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 25.851+/-0.107 χ^2/NDF:8153.7/21

Out: 24.824+/-0.105 χ^2/NDF:9809.8/26

All: 25.327+/-0.075 χ^2/NDF: 18010.5/48



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.278+/-0.006 χ^2/NDF:141.5/7

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.246+/-0.006 χ^2/NDF:122.2/5

Left: 0.263+/-0.004 χ^2/NDF: 277.2/13

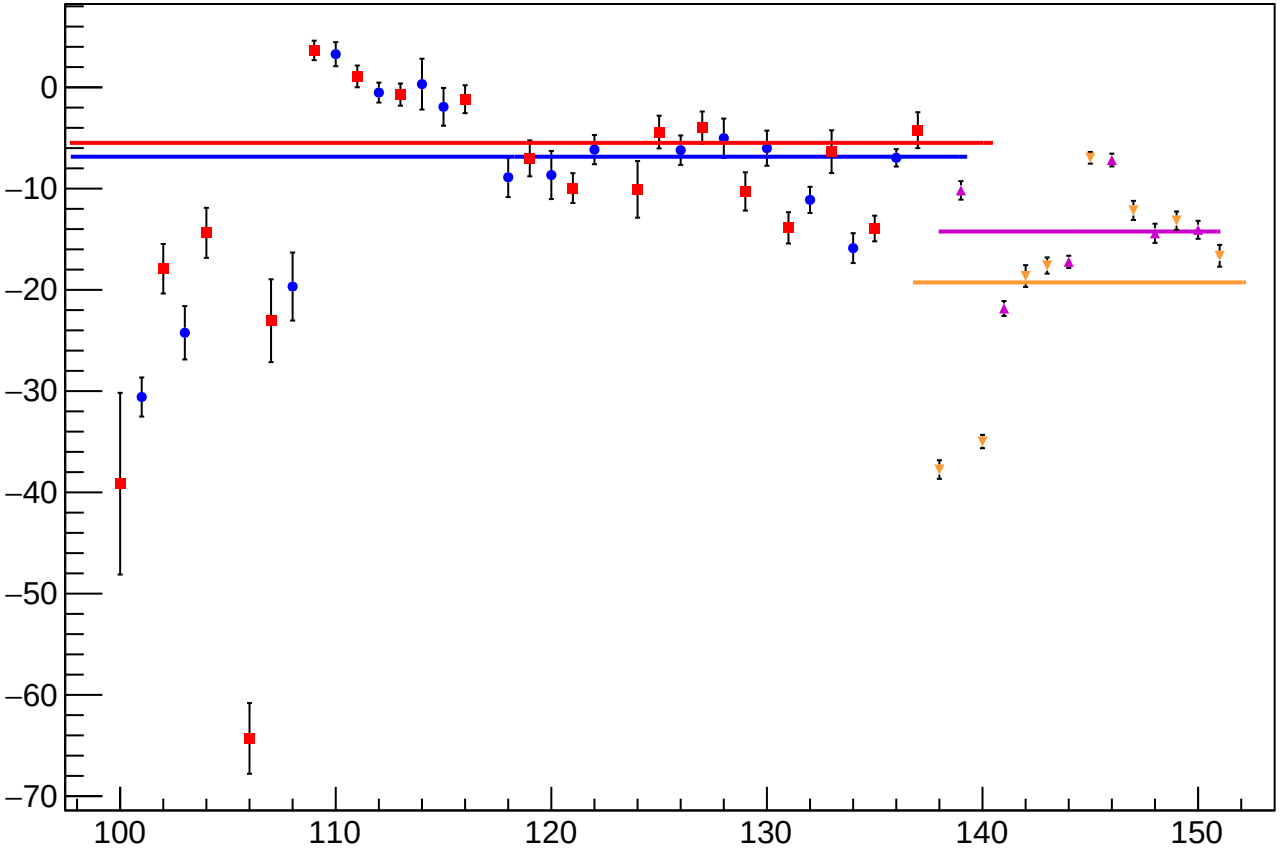
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.203+/-0.005 χ^2/NDF:851.3/21

Out: 0.216+/-0.005 χ^2/NDF:1432.0/26

All: 0.210+/-0.004 χ^2/NDF: 2286.1/48

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: -19.267+/-0.287 χ^2/NDF:1538.7/7

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.237+/-0.306 χ^2/NDF:275.3/5

Left: -16.909+/-0.209 χ^2/NDF: 1957.6/13

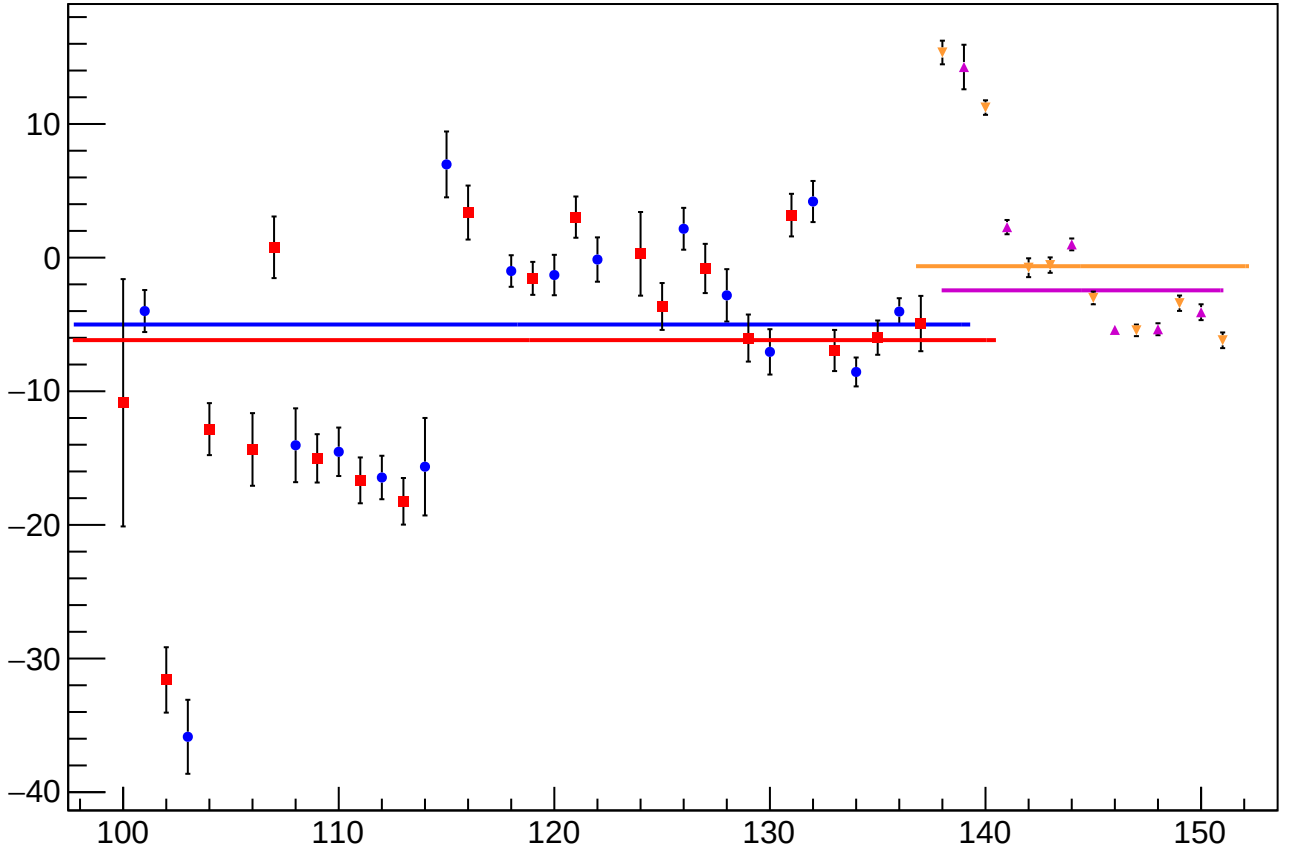
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -11.292+/-0.237 χ^2/NDF:897.7/21

Out: -14.062+/-0.227 χ^2/NDF:3013.8/26

All: -12.739+/-0.164 χ^2/NDF: 3982.8/48

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.641+/-0.199 χ^2/NDF:1062.3/7

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -2.449+/-0.205 χ^2/NDF:351.3/5

Left: -1.518+/-0.143 χ^2/NDF: 1453.7/13

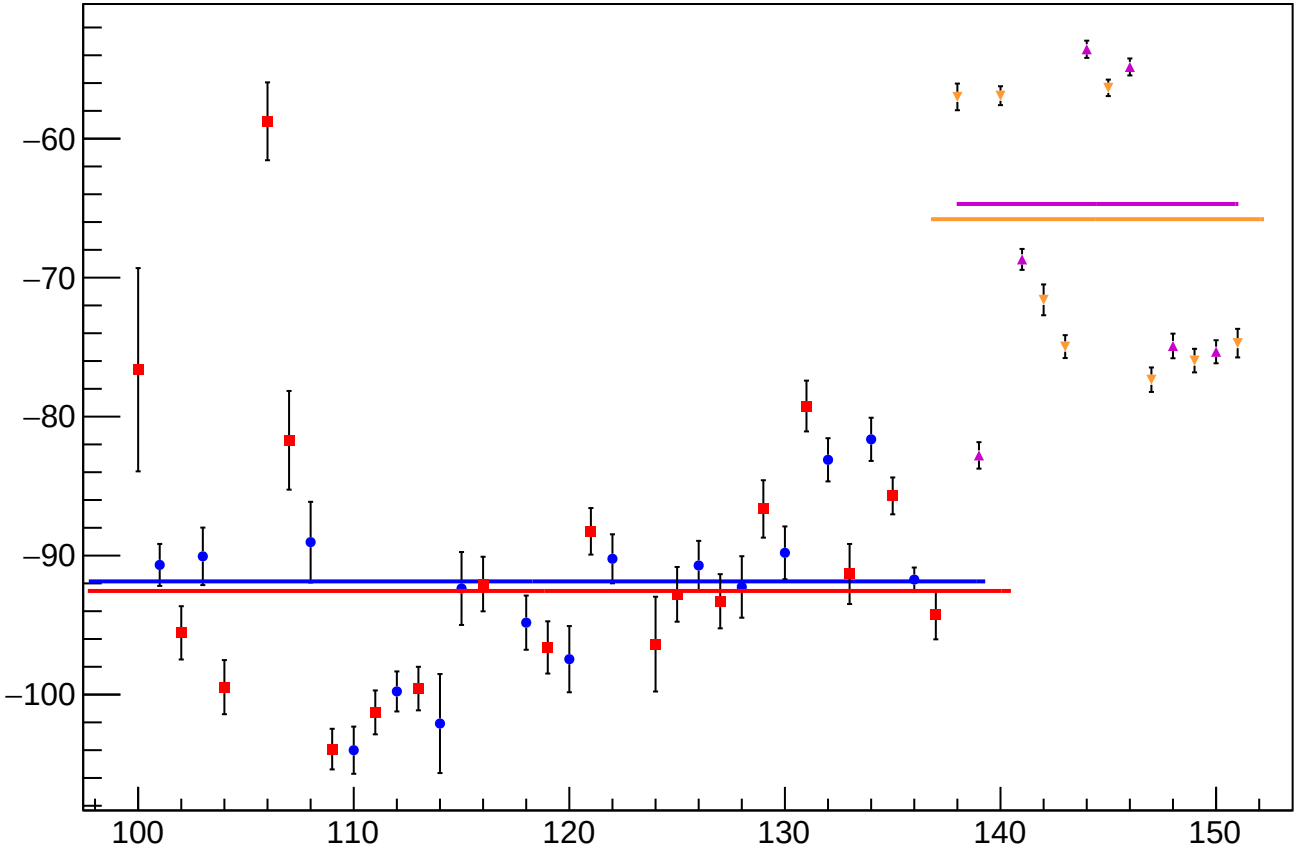
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.989+/-0.182 χ^2/NDF:726.0/21

Out: -1.667+/-0.179 χ^2/NDF:1575.1/26

All: -2.319+/-0.128 χ^2/NDF: 2327.9/48

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -65.795+/-0.289 χ^2/NDF:1052.0/7

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -64.699+/-0.303 χ^2/NDF:1269.7/5

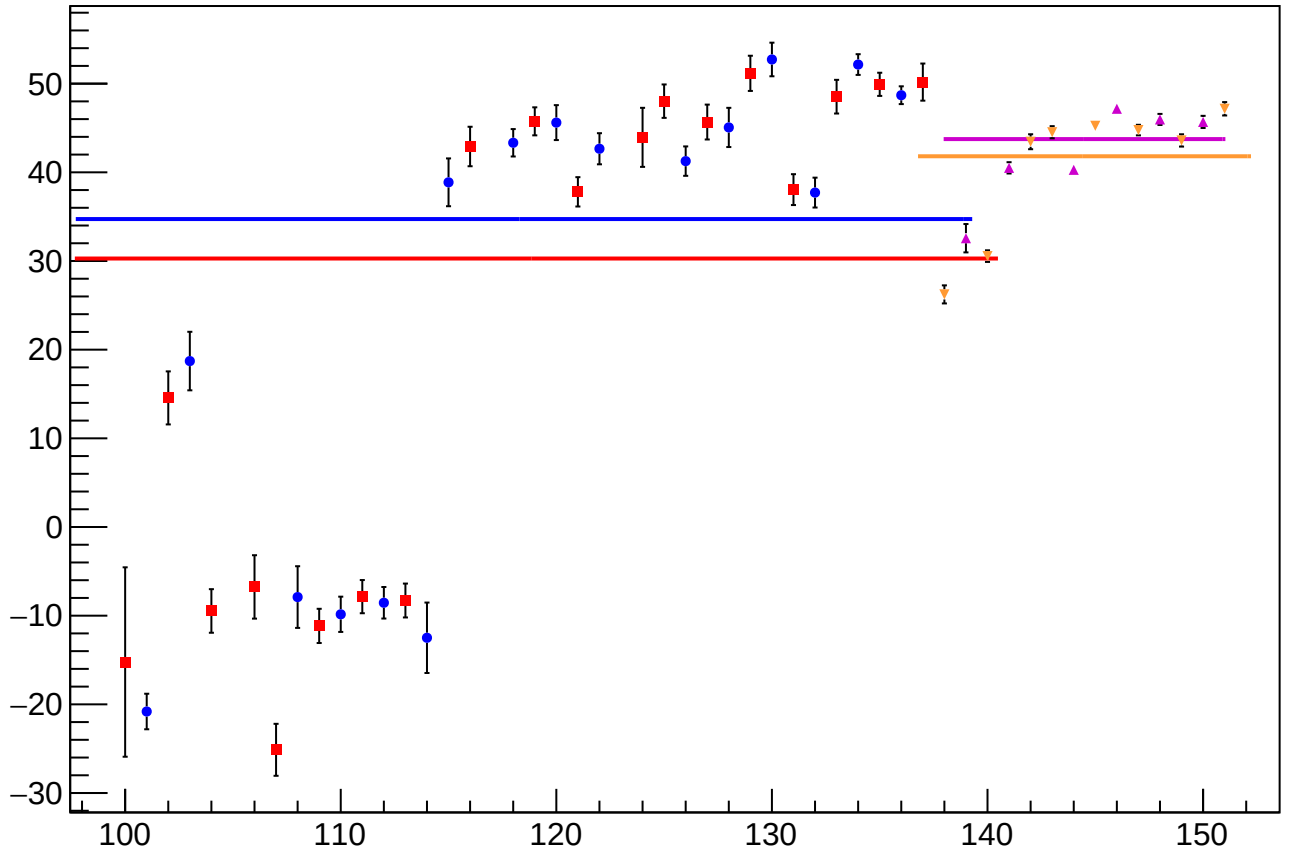
Left: -65.274+/-0.209 χ^2/NDF: 2328.6/13

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.885+/-0.247 χ^2/NDF:4161.1/21

Out: -73.857+/-0.241 χ^2/NDF:4030.6/26

All: -73.871+/-0.172 χ^2/NDF: 8191.7/48



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.810+/-0.243 χ^2/NDF:669.9/7

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.748+/-0.252 χ^2/NDF:192.6/5

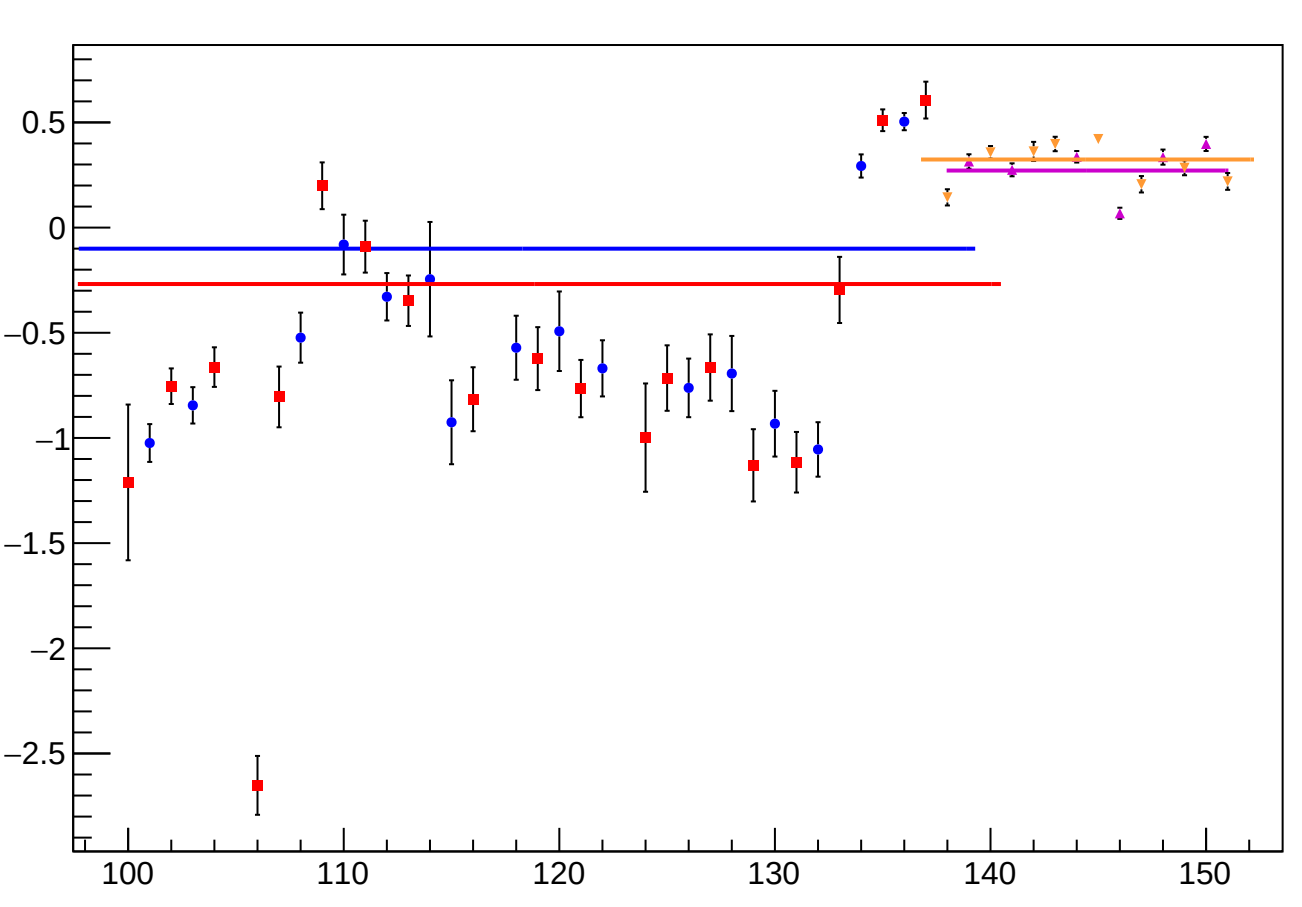
Left: 42.746+/-0.175 χ^2/NDF: 893.1/13

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.537+/-0.219 χ^2/NDF:3316.2/21

Out: 39.348+/-0.216 χ^2/NDF:4060.3/26

All: 40.428+/-0.154 χ^2/NDF: 7427.2/48



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.324+/-0.012 χ^2/NDF:62.6/7

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.271+/-0.013 χ^2/NDF:83.3/5

Left: 0.299+/-0.009 χ^2/NDF: 155.0/13

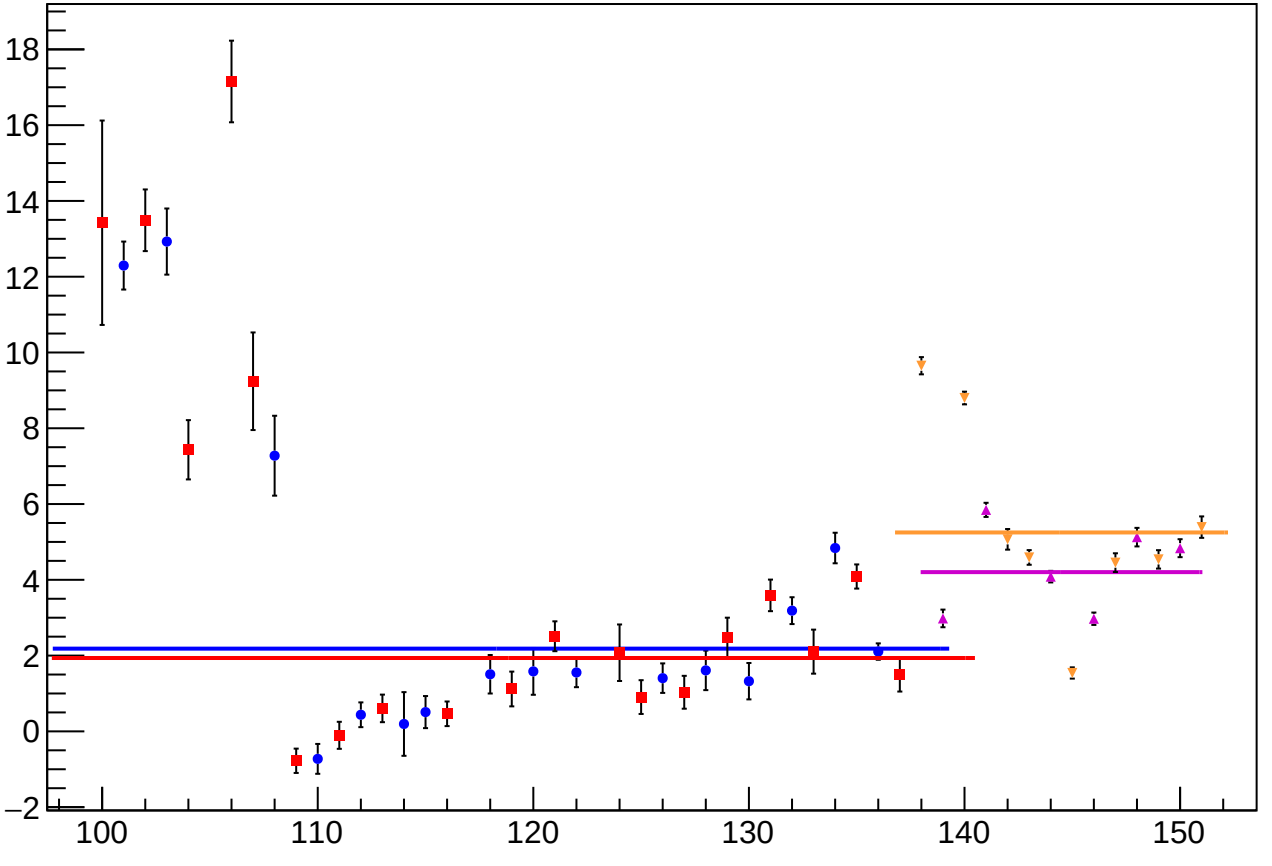
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.191+/-0.011 χ^2/NDF:902.3/21

Out: 0.222+/-0.011 χ^2/NDF:1303.6/26

All: 0.207+/-0.008 χ^2/NDF: 2209.9/48

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.250+/-0.073 χ^2/NDF:1475.2/7

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.203+/-0.079 χ^2/NDF:183.7/5

Left: 4.763+/-0.054 χ^2/NDF: 1753.7/13

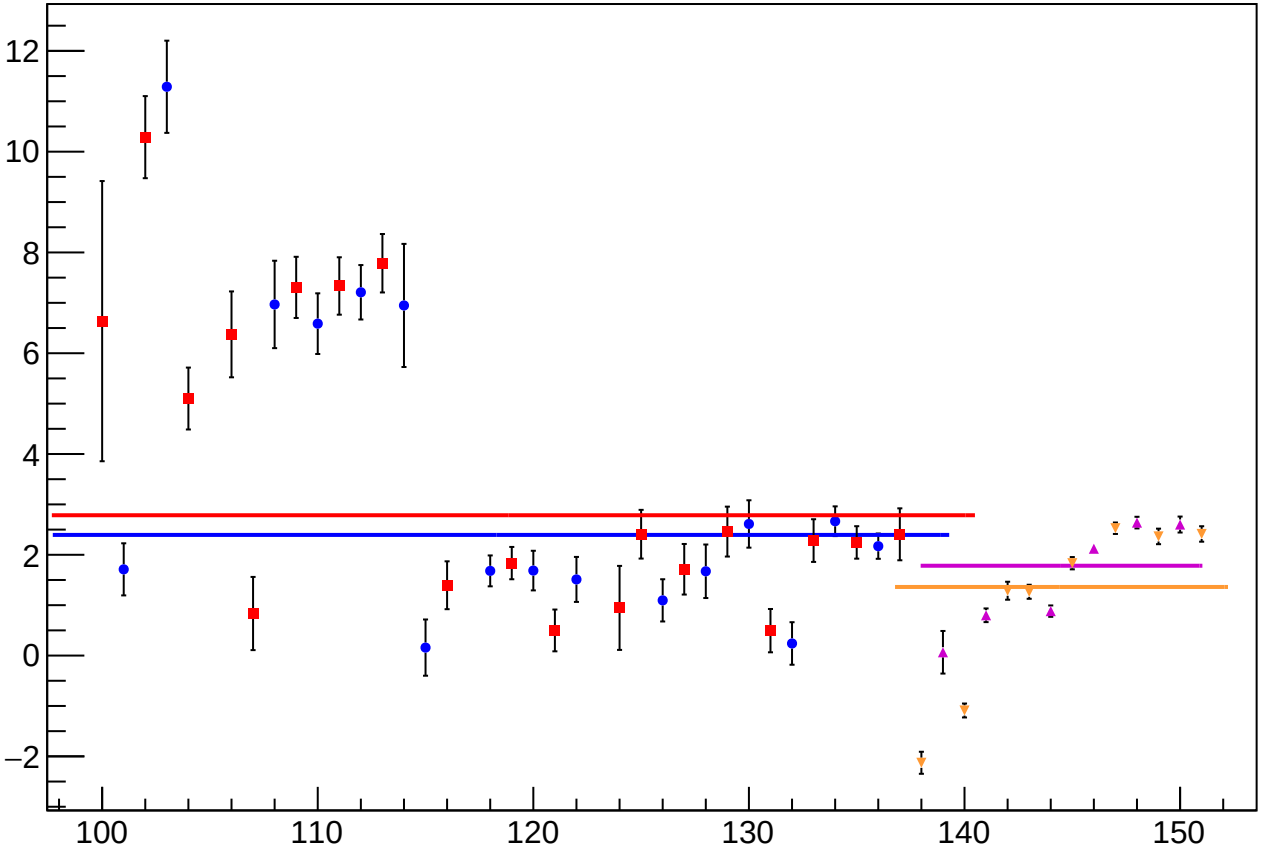
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.478+/-0.063 χ^2/NDF:1020.1/21

Out: 4.170+/-0.060 χ^2/NDF:2857.6/26

All: 3.839+/-0.044 χ^2/NDF: 3940.9/48

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.362+/-0.051 χ^2/NDF:779.2/7

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.783+/-0.052 χ^2/NDF:227.0/5

Left: 1.566+/-0.037 χ^2/NDF: 1039.4/13

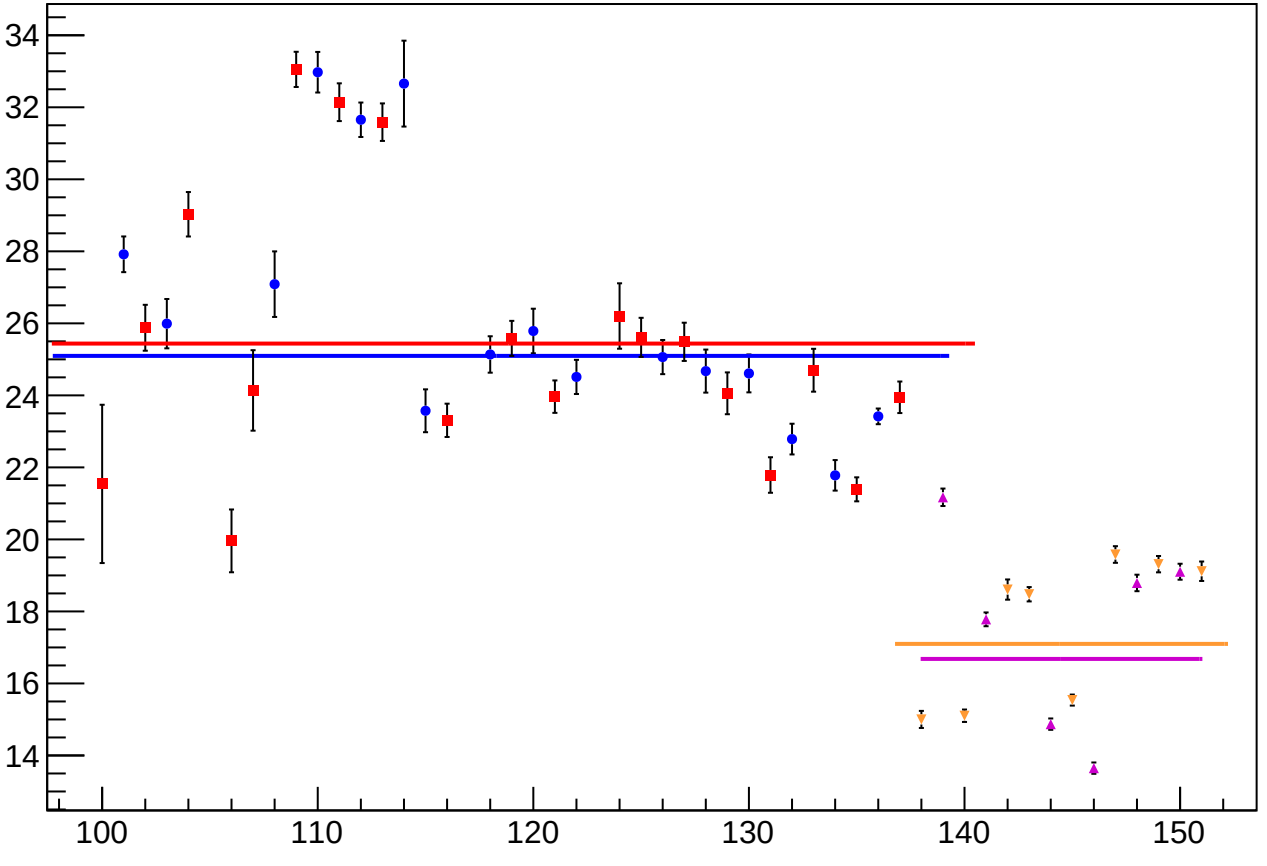
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.899+/-0.047 χ^2/NDF:586.8/21

Out: 1.592+/-0.047 χ^2/NDF:1316.5/26

All: 1.744+/-0.033 χ^2/NDF: 1924.6/48

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 17.098+/-0.074 χ^2/NDF:658.9/7

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.681+/-0.078 χ^2/NDF:1085.2/5

Left: 16.901+/-0.054 χ^2/NDF: 1759.2/13

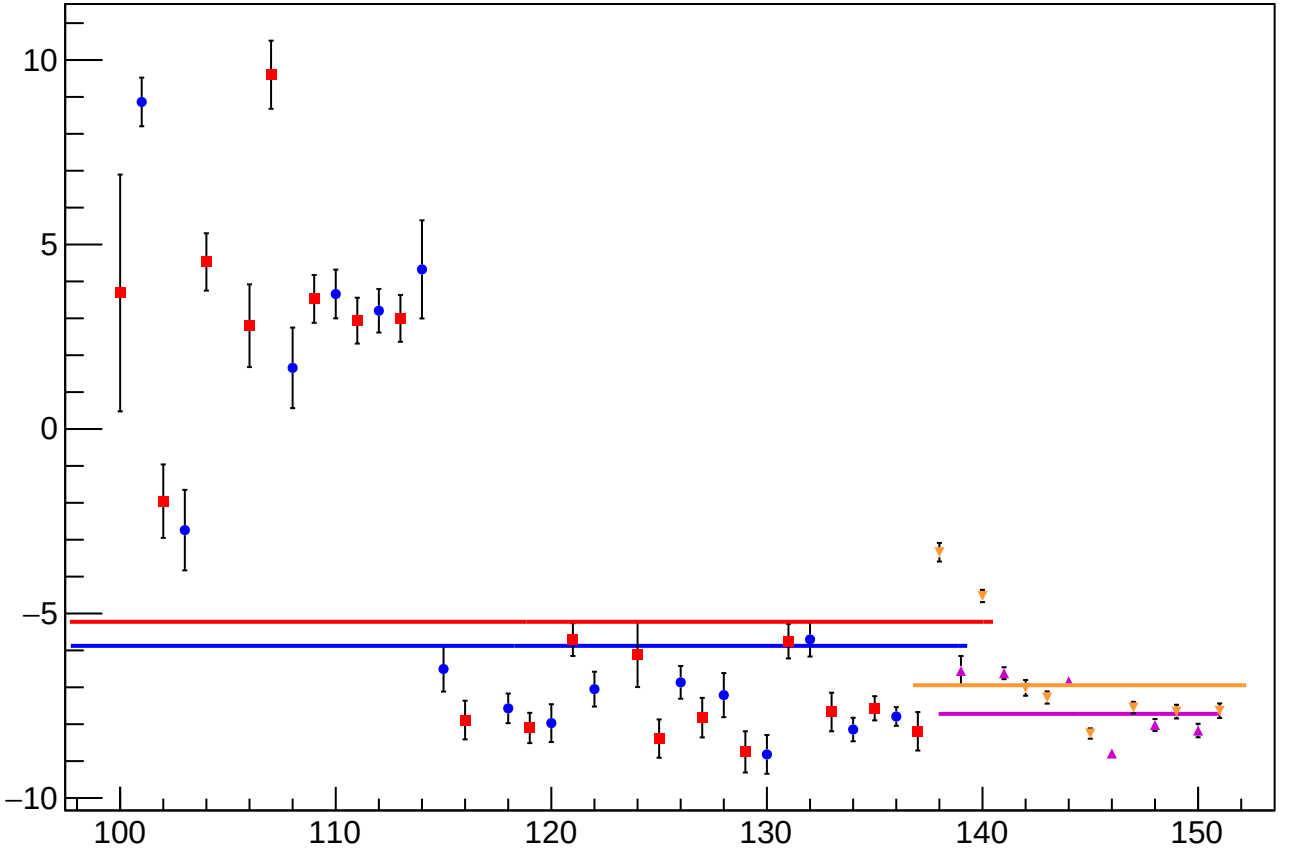
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.252+/-0.065 χ^2/NDF:5268.1/21

Out: 19.278+/-0.063 χ^2/NDF:4876.6/26

All: 19.265+/-0.045 χ^2/NDF: 10144.7/48

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: -6.943+/-0.062 χ^2/NDF:549.5/7

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.720+/-0.065 χ^2/NDF:189.2/5

Left: -7.318+/-0.045 χ^2/NDF: 813.5/13

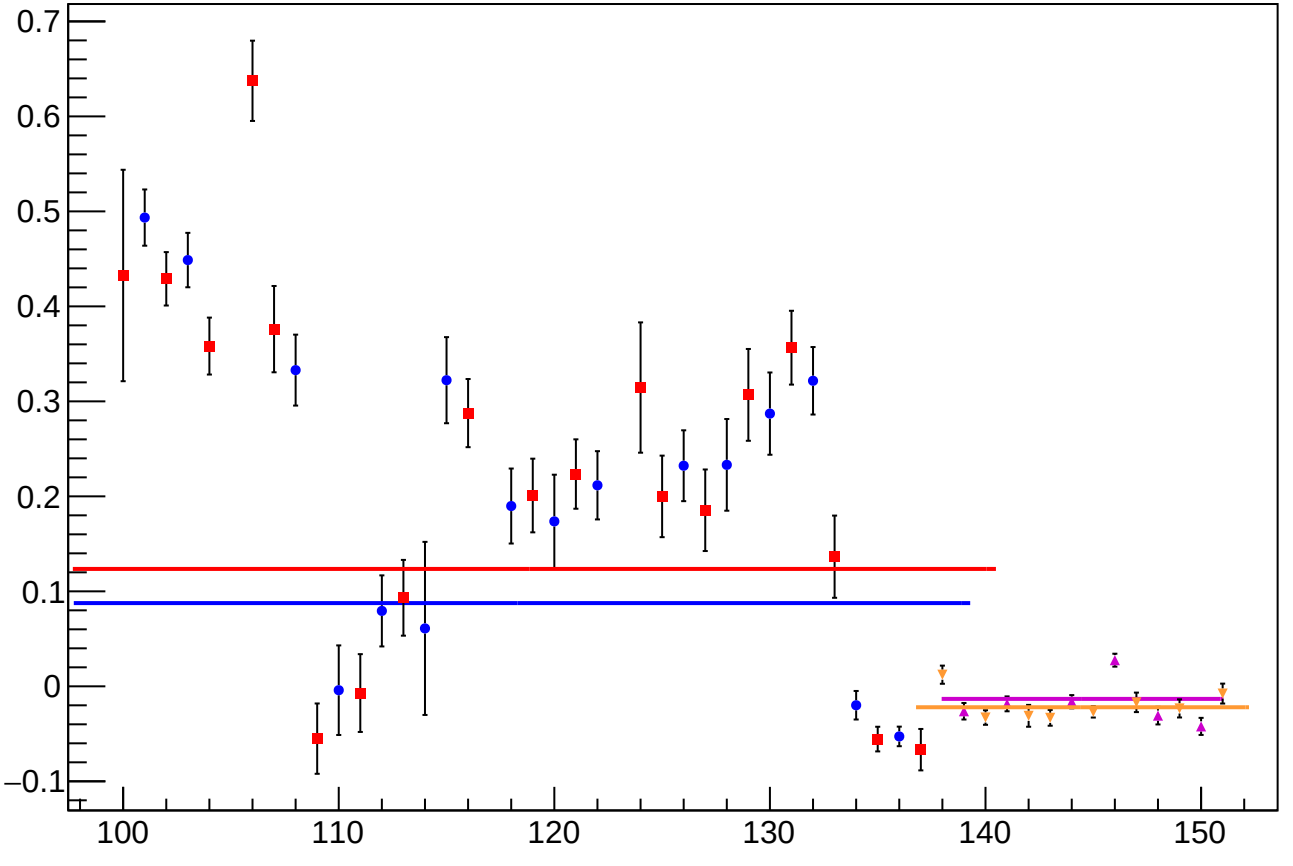
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.309+/-0.057 χ^2/NDF:1622.0/21

Out: -6.620+/-0.056 χ^2/NDF:1984.6/26

All: -6.960+/-0.040 χ^2/NDF: 3680.9/48

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: -0.022+/-0.003 χ^2/NDF:20.0/7

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.013+/-0.003 χ^2/NDF:52.7/5

Left: -0.018+/-0.002 χ^2/NDF: 76.6/13

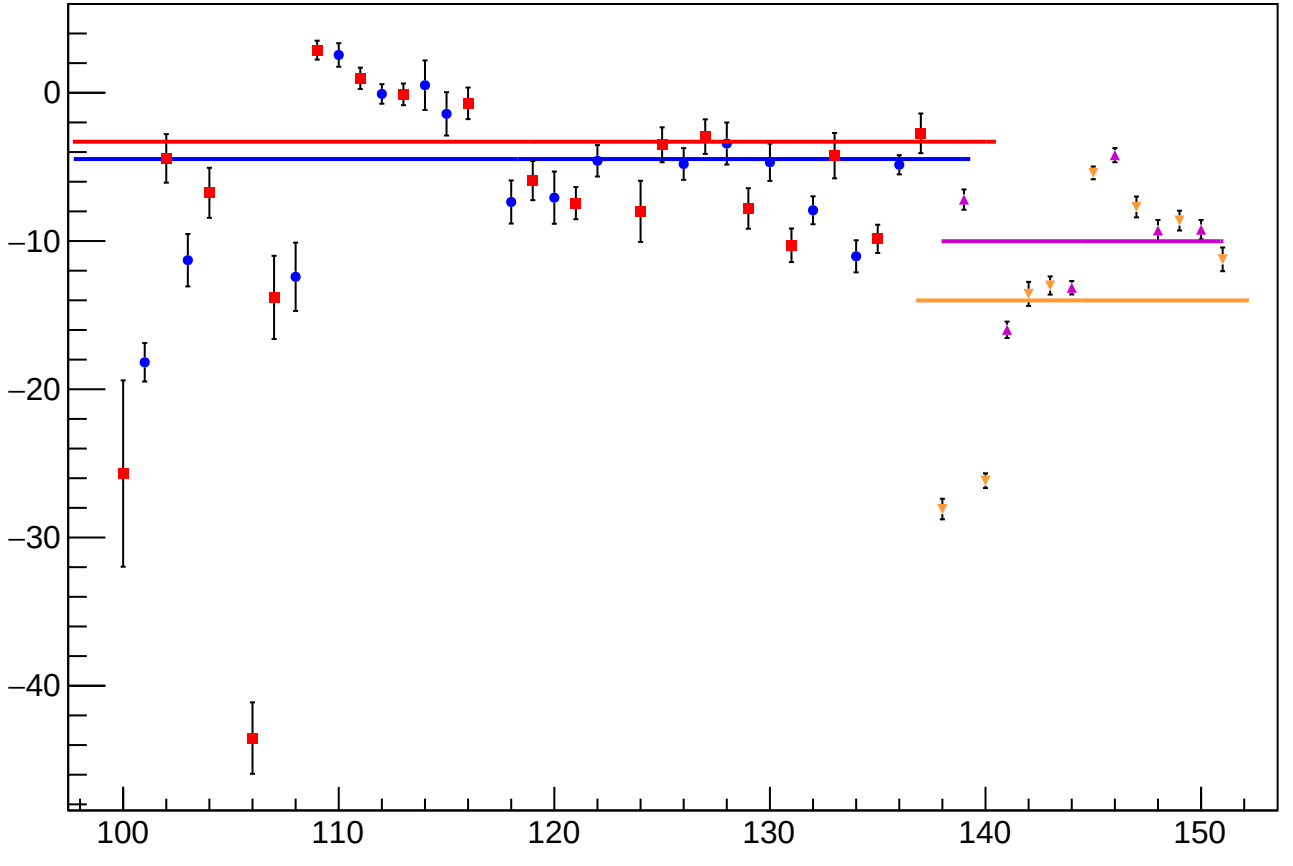
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.006+/-0.003 χ^2/NDF:1009.3/21

Out: -0.000+/-0.003 χ^2/NDF:1118.4/26

All: 0.003+/-0.002 χ^2/NDF: 2130.5/48

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.008+/-0.216 χ^2/NDF:1565.9/7

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -10.015+/-0.229 χ^2/NDF:332.7/5

Left: -12.133+/-0.157 χ^2/NDF: 2059.4/13

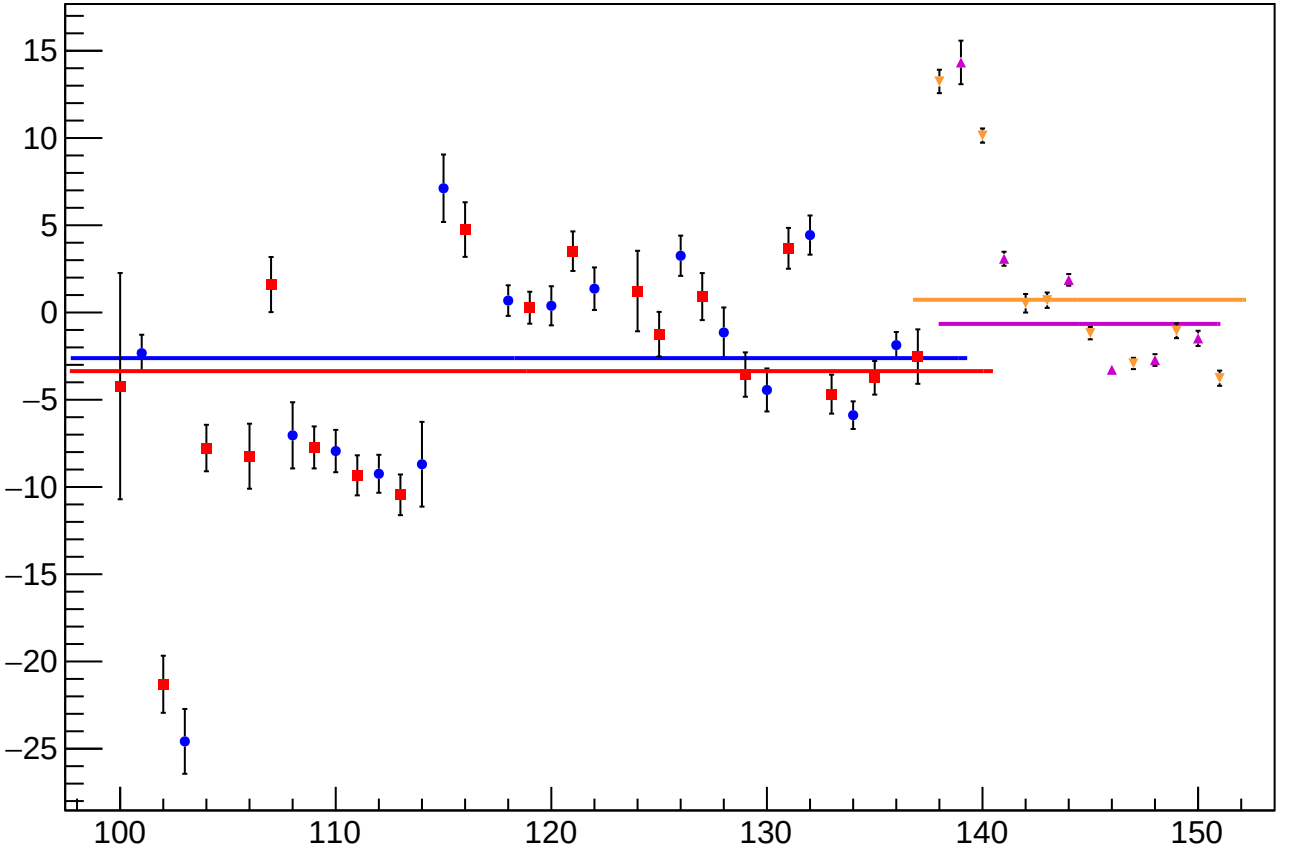
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -7.675+/-0.174 χ^2/NDF:911.0/21

Out: -9.658+/-0.166 χ^2/NDF:3150.9/26

All: -8.714+/-0.120 χ^2/NDF: 4129.6/48

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.729+/-0.149 χ^2/NDF:1157.5/7

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.653+/-0.154 χ^2/NDF:415.0/5

Left: 0.060+/-0.107 χ^2/NDF: 1614.2/13

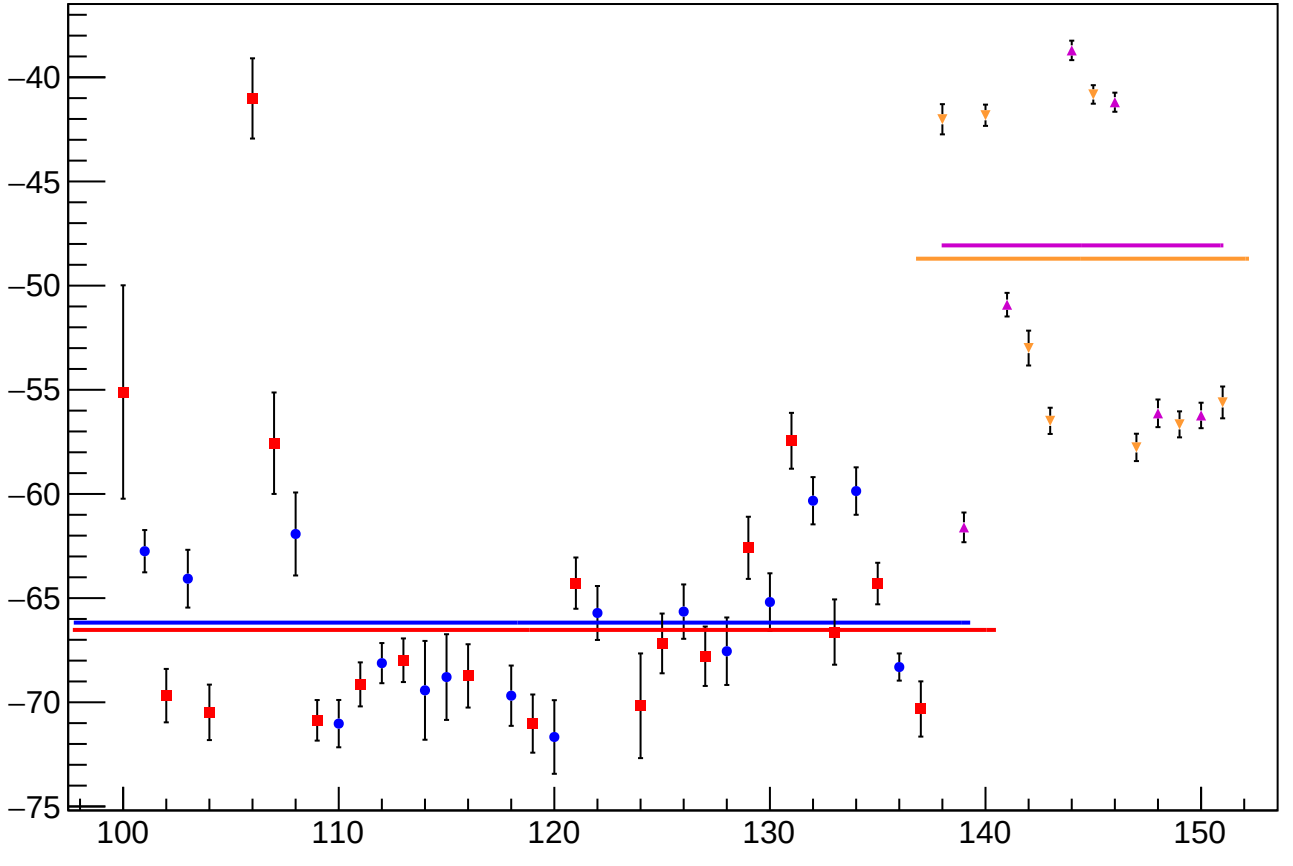
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -1.094+/-0.135 χ^2/NDF:803.5/21

Out: -0.085+/-0.133 χ^2/NDF:1667.1/26

All: -0.581+/-0.095 χ^2/NDF: 2498.8/48

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -48.707+/-0.216 χ^2/NDF:1194.8/7

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -48.069+/-0.227 χ^2/NDF:1337.8/5

Left: -48.403+/-0.157 χ^2/NDF: 2536.7/13

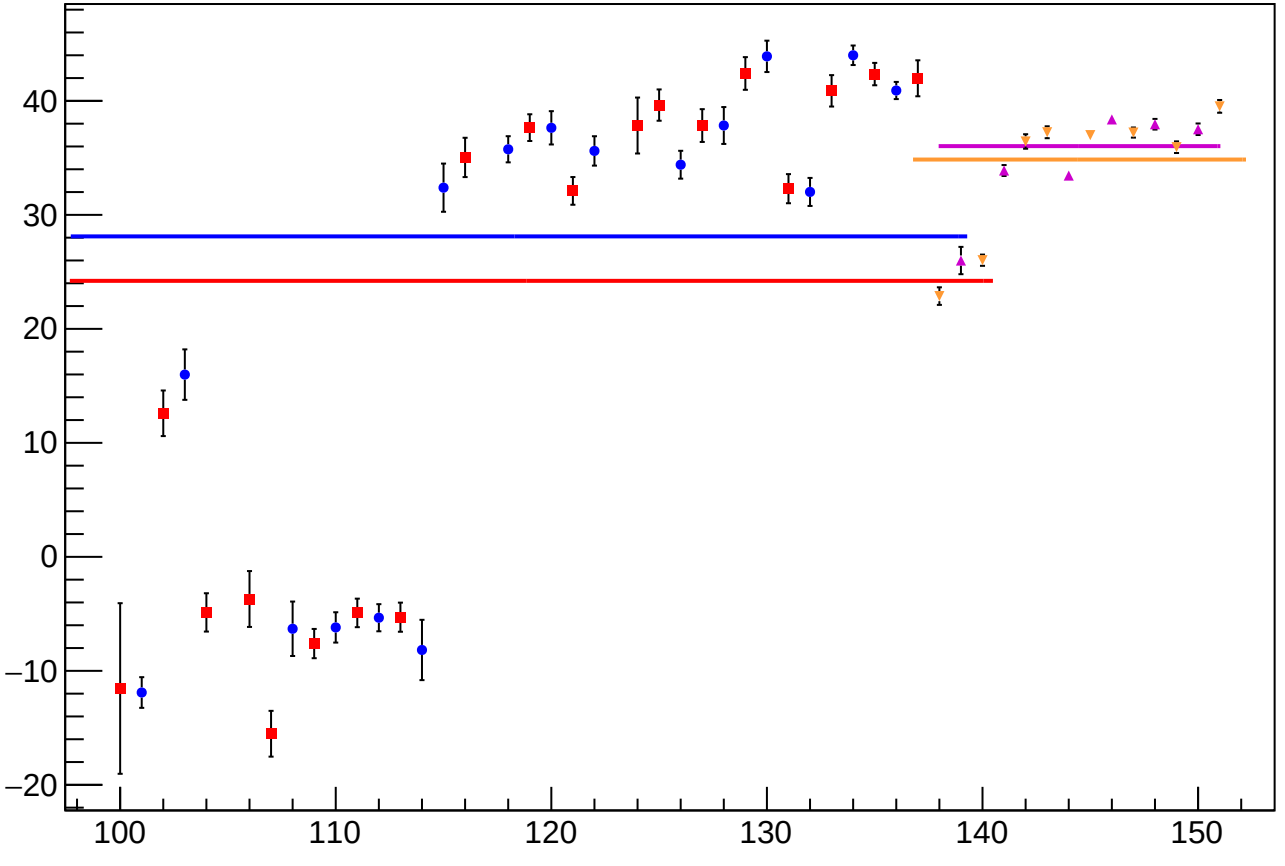
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.551+/-0.182 χ^2/NDF:3739.9/21

Out: -54.484+/-0.178 χ^2/NDF:3714.3/26

All: -54.517+/-0.127 χ^2/NDF: 7454.2/48

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.853+/-0.183 χ^2/NDF:719.4/7

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.031+/-0.189 χ^2/NDF:202.7/5

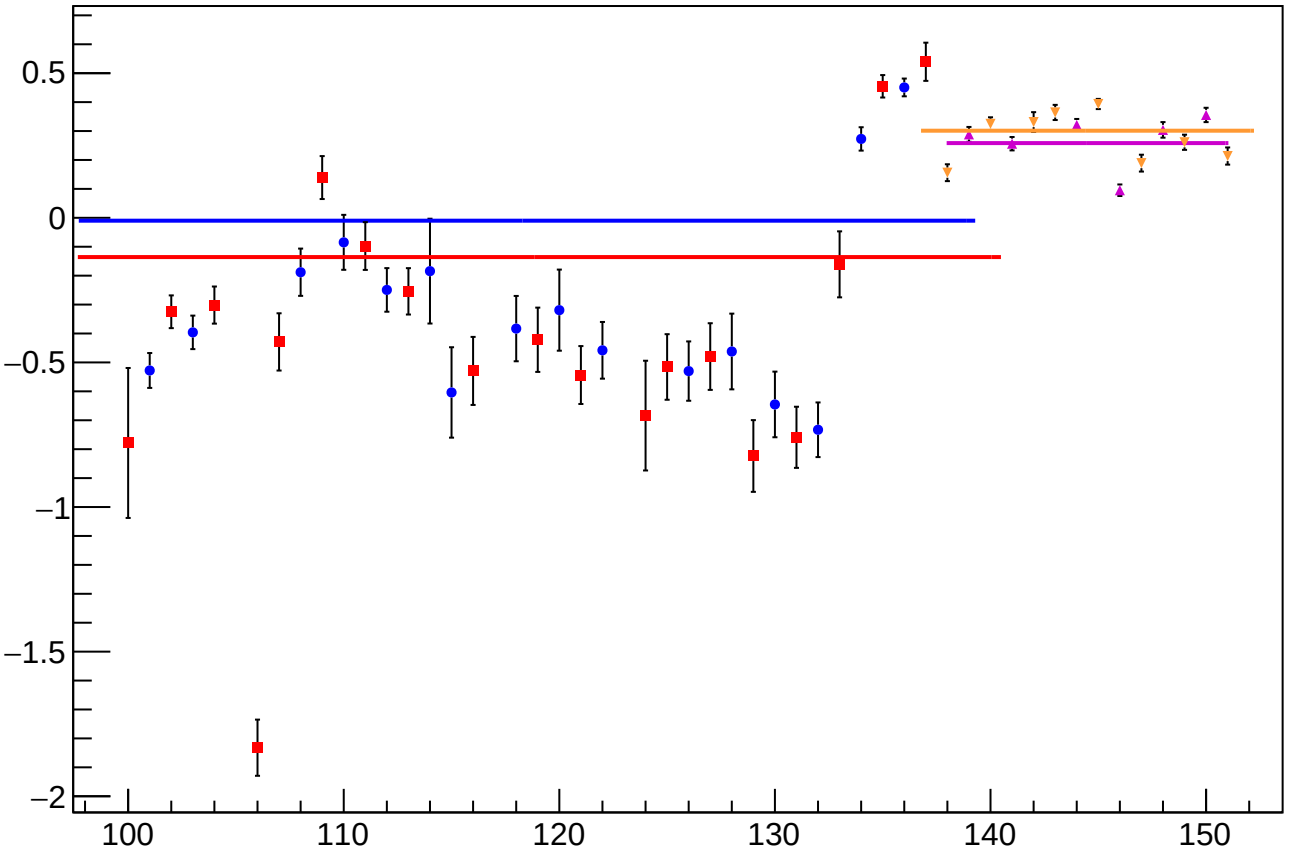
Left: 35.421+/-0.131 χ^2/NDF: 942.1/13

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.982+/-0.163 χ^2/NDF:4384.4/21

Out: 32.424+/-0.160 χ^2/NDF:5336.9/26

All: 33.192+/-0.114 χ^2/NDF: 9767.9/48



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.301+/-0.009 χ^2/NDF:85.8/7

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.258+/-0.009 χ^2/NDF:95.8/5

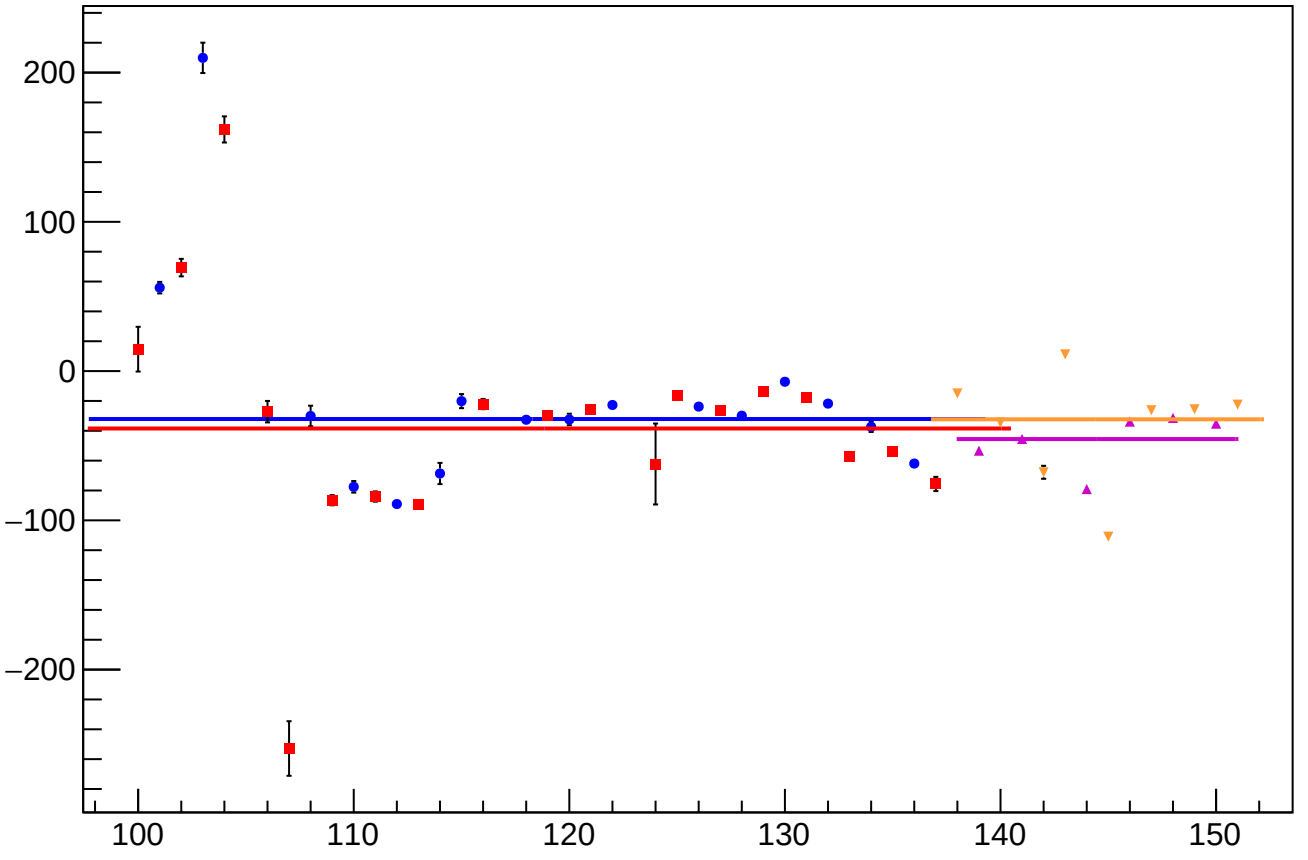
Left: 0.281+/-0.007 χ^2/NDF: 192.4/13

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.197+/-0.008 χ^2/NDF:868.1/21

Out: 0.220+/-0.008 χ^2/NDF:1343.0/26

All: 0.209+/-0.006 χ^2/NDF: 2215.1/48



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -32.306+/-1.025 χ^2/NDF:914.2/7

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -45.538+/-1.111 χ^2/NDF:192.3/5

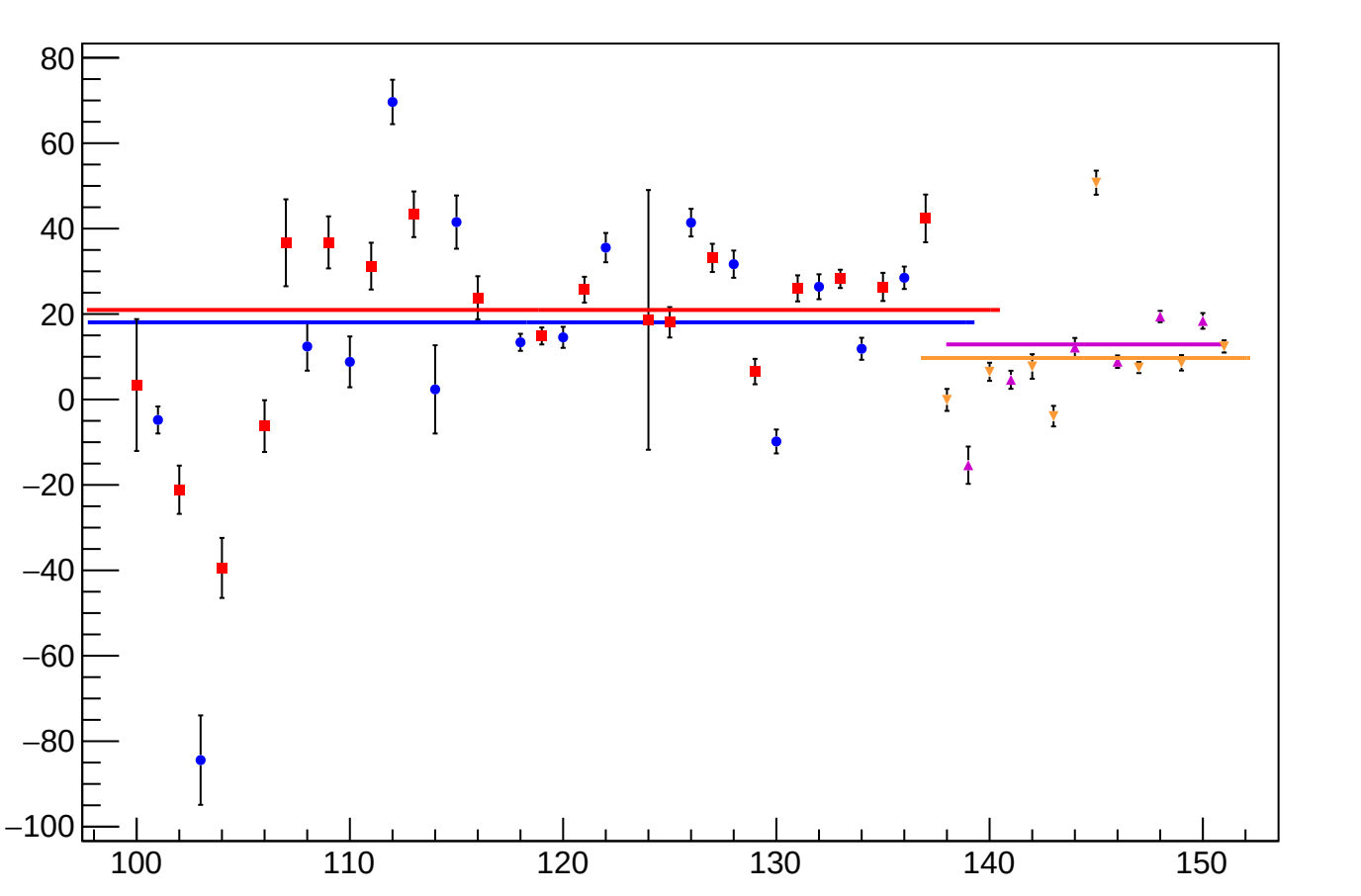
Left: -38.392+/-0.754 χ^2/NDF: 1183.1/13

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -37.018+/-0.671 χ^2/NDF:2162.4/21

Out: -35.904+/-0.661 χ^2/NDF:2907.8/26

All: -36.452+/-0.471 χ^2/NDF: 5071.6/48



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 9.715+/-0.676 χ^2/NDF:268.7/7

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 12.891+/-0.742 χ^2/NDF:98.5/5

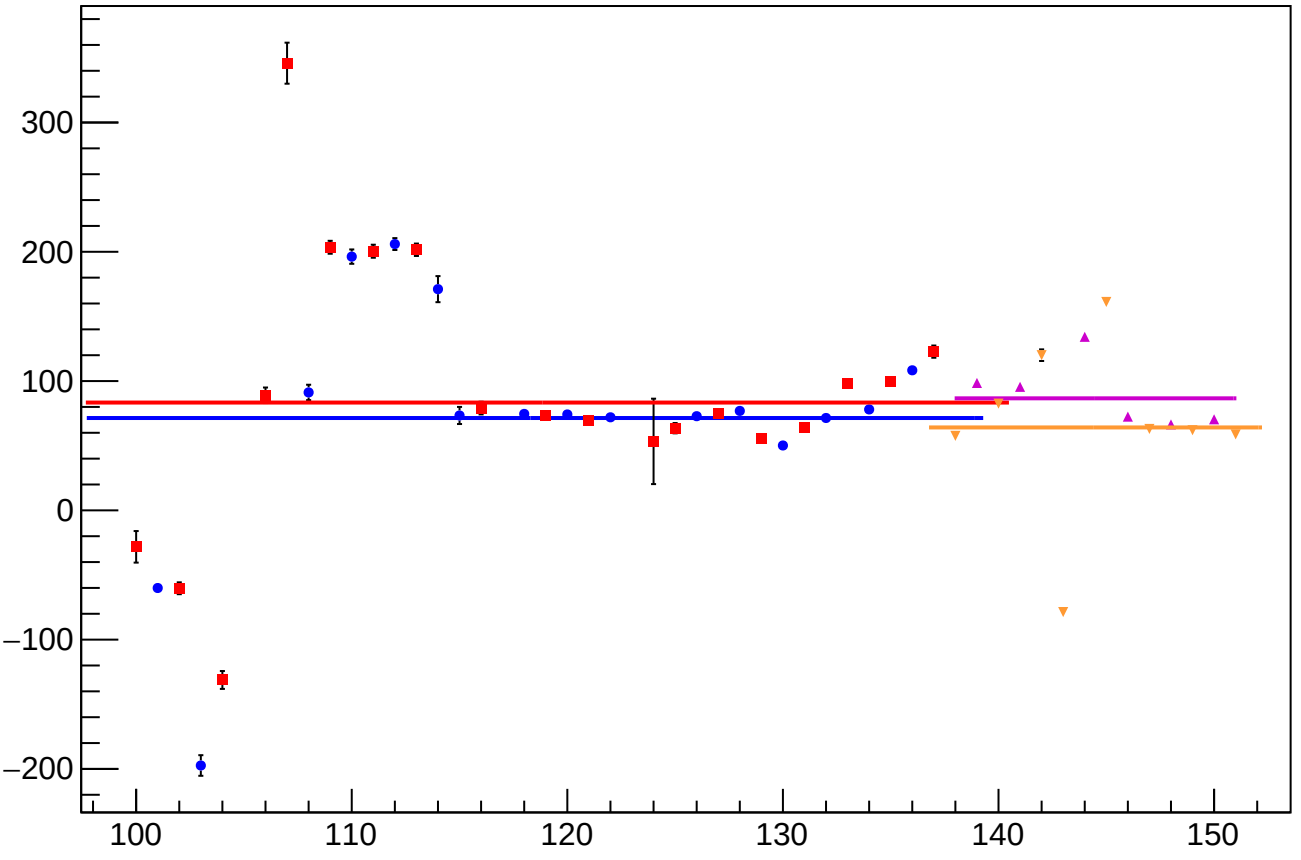
Left: 11.155+/-0.500 χ^2/NDF: 377.3/13

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 15.213+/-0.551 χ^2/NDF:619.9/21

Out: 13.955+/-0.533 χ^2/NDF:635.8/26

All: 14.564+/-0.383 χ^2/NDF: 1258.4/48



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.134+/-1.016 χ^2/NDF:2876.0/7

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 86.652+/-1.094 χ^2/NDF:395.3/5

Left: 74.562+/-0.745 χ^2/NDF: 3498.7/13

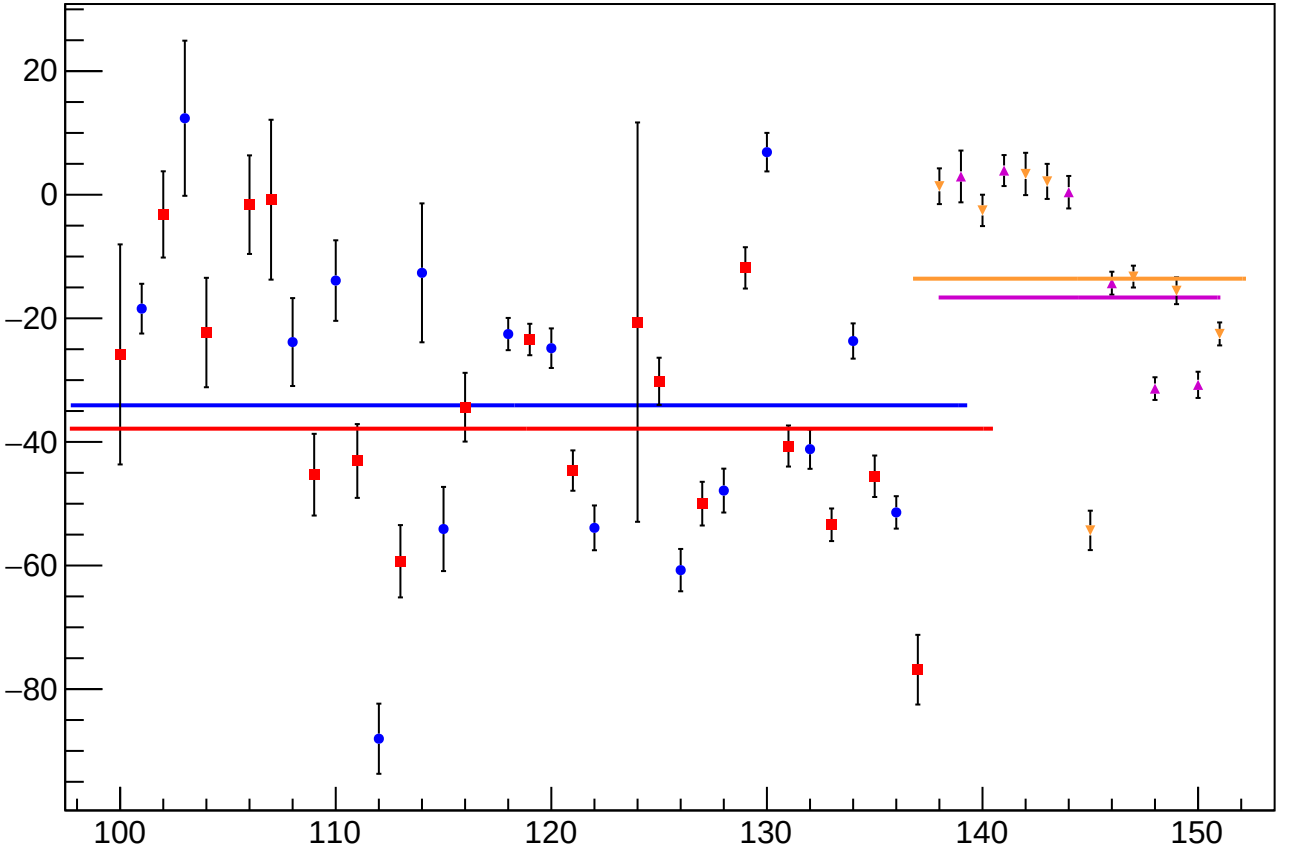
Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 77.819+/-0.709 χ^2/NDF:5327.3/21

Out: 74.058+/-0.707 χ^2/NDF:7358.3/26

All: 75.933+/-0.501 χ^2/NDF: 12699.7/48

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -13.584+/-0.844 χ^2/NDF:288.3/7

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -16.629+/-0.924 χ^2/NDF:241.5/5

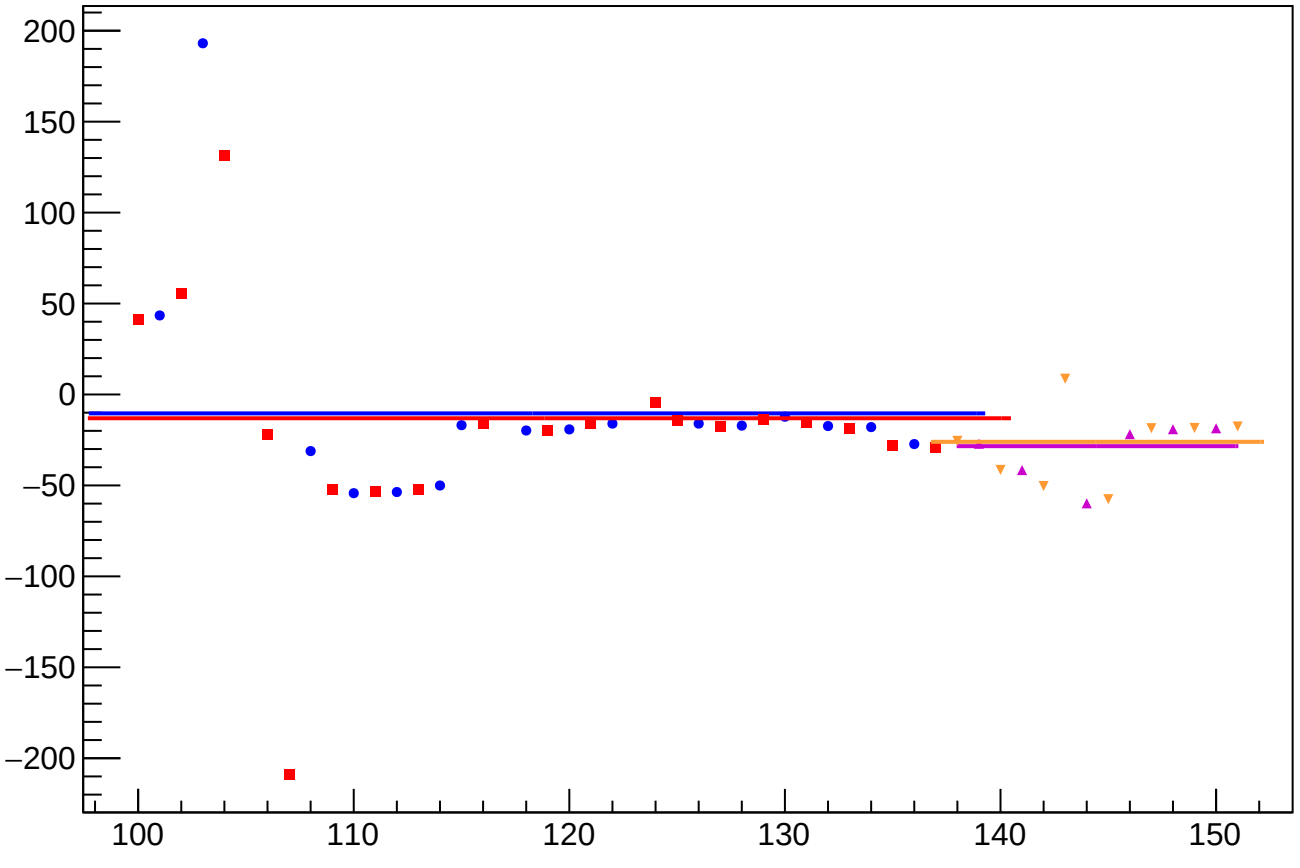
Left: -14.968+/-0.623 χ^2/NDF: 535.7/13

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -25.187+/-0.660 χ^2/NDF:927.4/21

Out: -23.750+/-0.643 χ^2/NDF:909.6/26

All: -24.450+/-0.461 χ^2/NDF: 1839.4/48



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -26.023+/-0.042 χ^2/NDF:172318.3/7

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -28.419+/-0.044 χ^2/NDF:83033.9/5

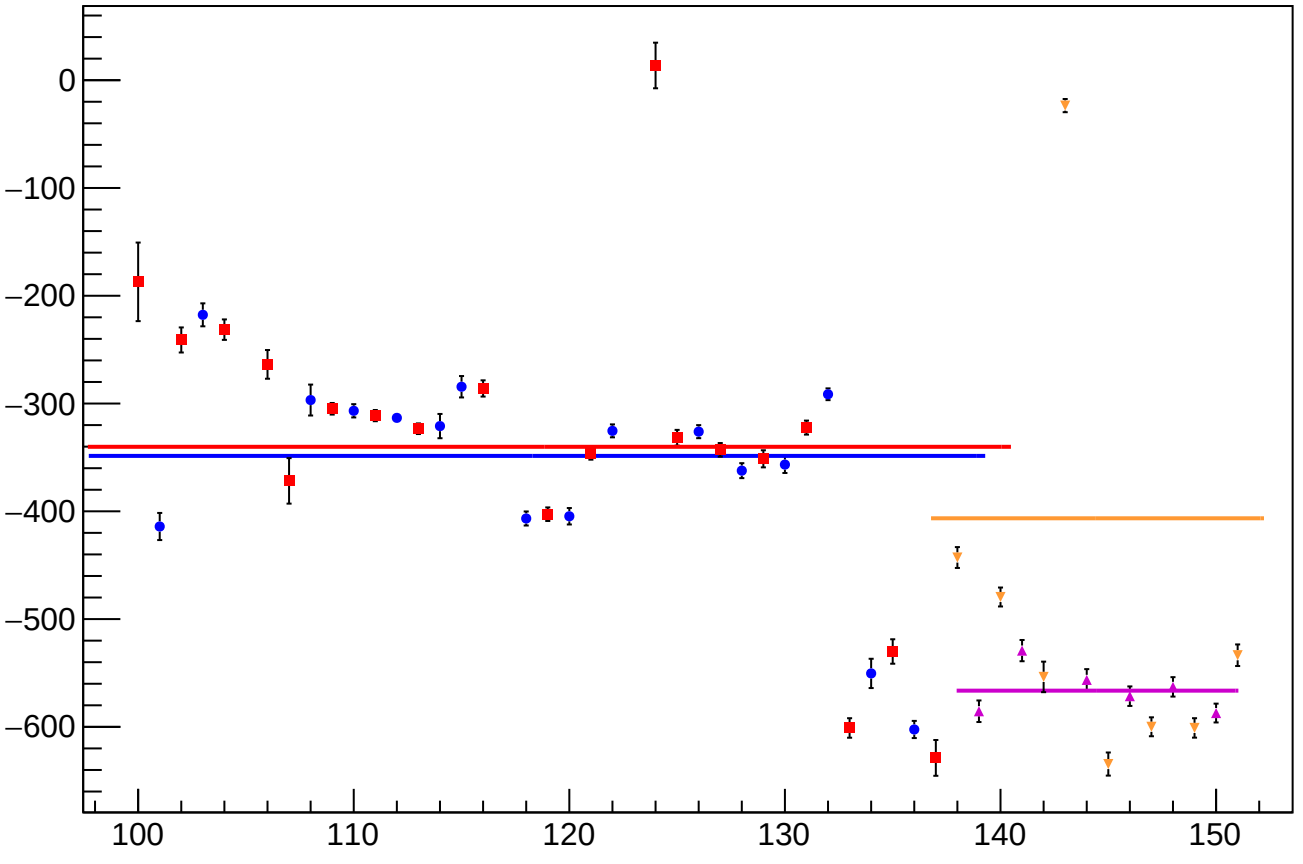
Left: -27.161+/-0.030 χ^2/NDF: 256901.2/13

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.645+/-0.035 χ^2/NDF:668128.8/21

Out: -22.008+/-0.035 χ^2/NDF:651433.1/26

All: -21.827+/-0.025 χ^2/NDF: 1319616.2/48



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -406.479+/-3.174 χ^2/NDF:5667.7/7

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -566.401+/-3.837 χ^2/NDF:25.0/5

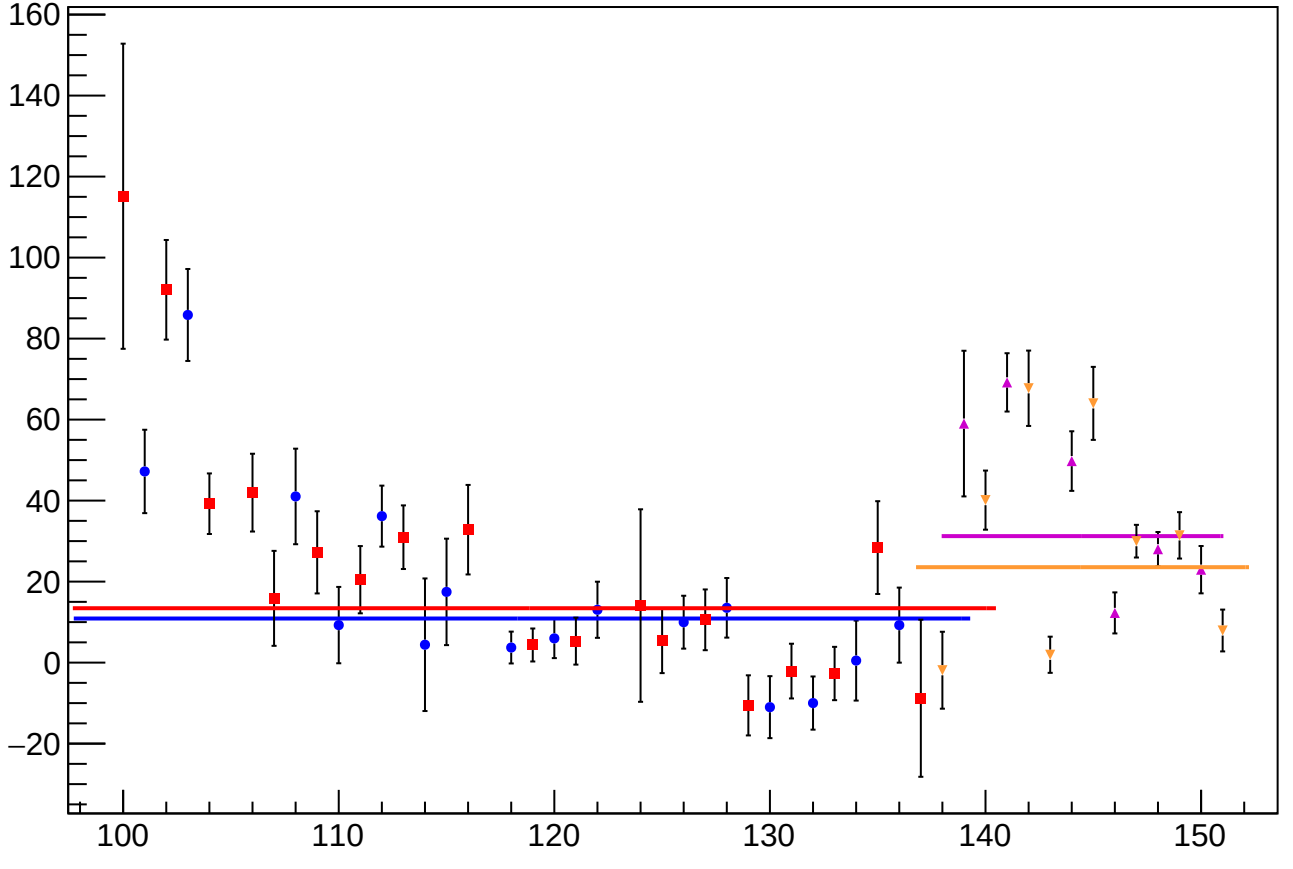
Left: -471.466+/-2.446 χ^2/NDF: 6724.0/13

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -388.761+/-1.648 χ^2/NDF:4511.6/21

Out: -355.732+/-1.539 χ^2/NDF:8198.9/26

All: -371.119+/-1.125 χ^2/NDF: 12925.1/48



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 23.560+/-2.070 χ^2/NDF:92.0/7

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 31.231+/-2.465 χ^2/NDF:53.1/5

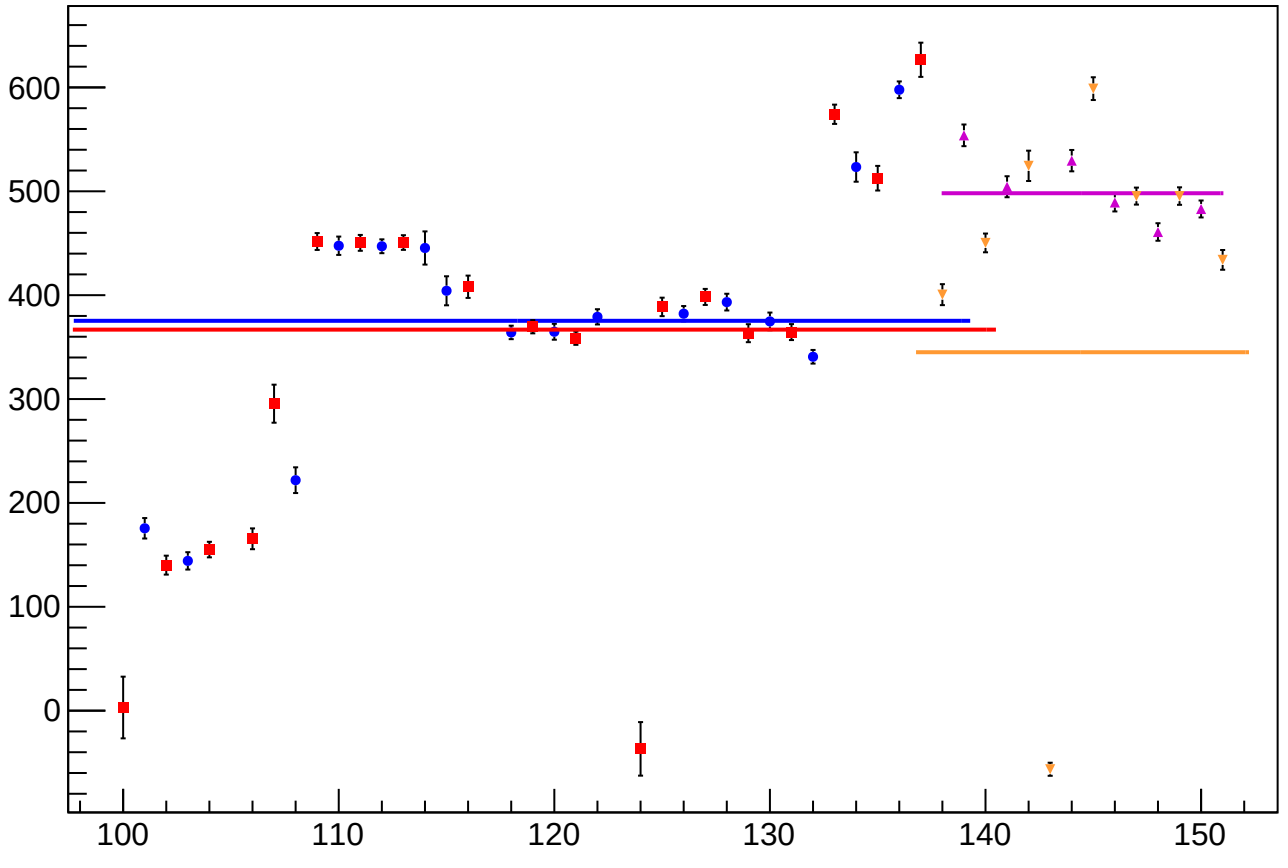
Left: 26.733+/-1.585 χ^2/NDF: 150.8/13

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 18.182+/-1.476 χ^2/NDF:195.0/21

Out: 17.938+/-1.381 χ^2/NDF:217.7/26

All: 18.052+/-1.008 χ^2/NDF: 412.8/48



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 345.083+/-3.157 χ^2/NDF:5660.8/7

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 498.136+/-3.757 χ^2/NDF:62.3/5

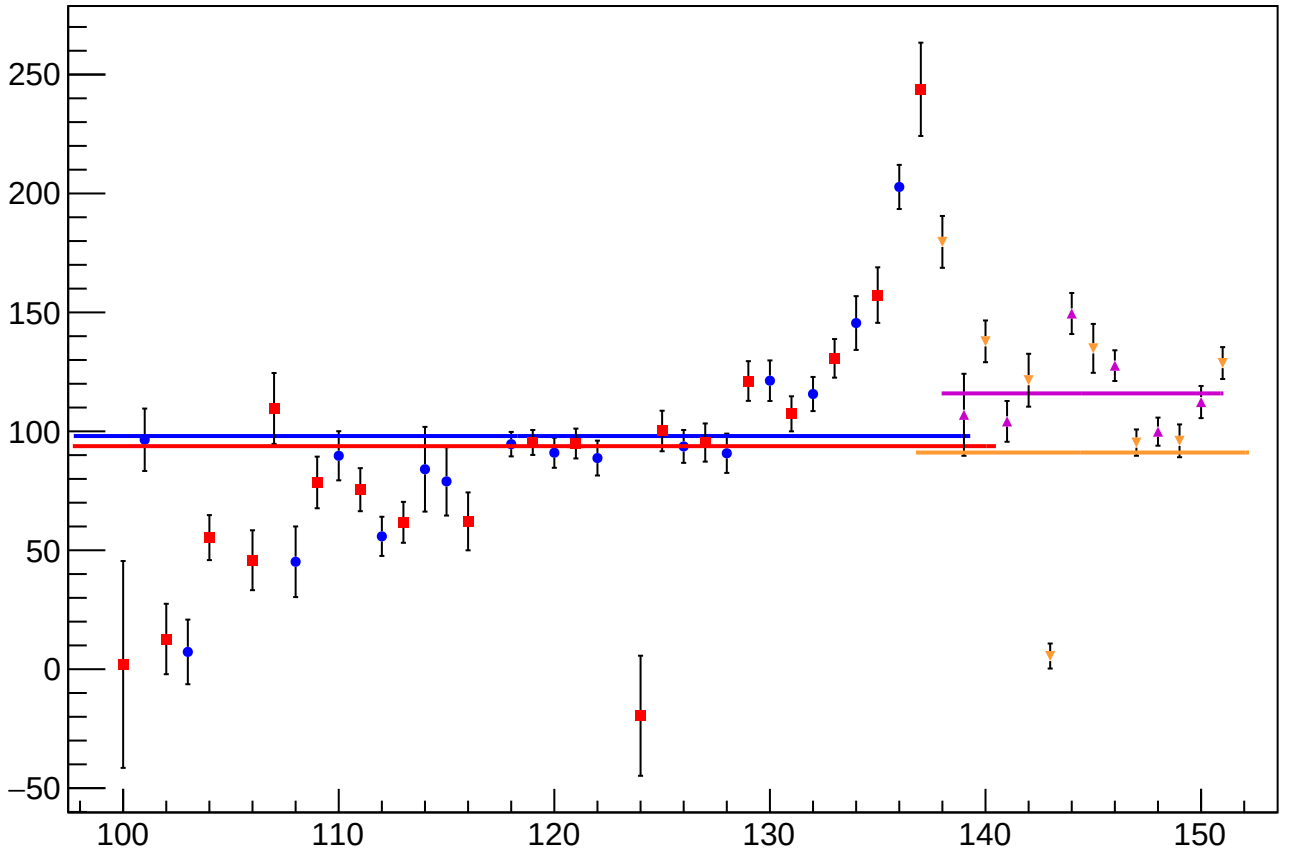
Left: 408.420+/-2.417 χ^2/NDF: 6695.8/13

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 404.613+/-1.835 χ^2/NDF:3325.4/21

Out: 360.382+/-1.719 χ^2/NDF:9235.3/26

All: 381.056+/-1.254 χ^2/NDF: 12870.1/48



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 91.087+/-2.574 χ^2/NDF:416.7/7

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 115.950+/-3.087 χ^2/NDF:28.3/5

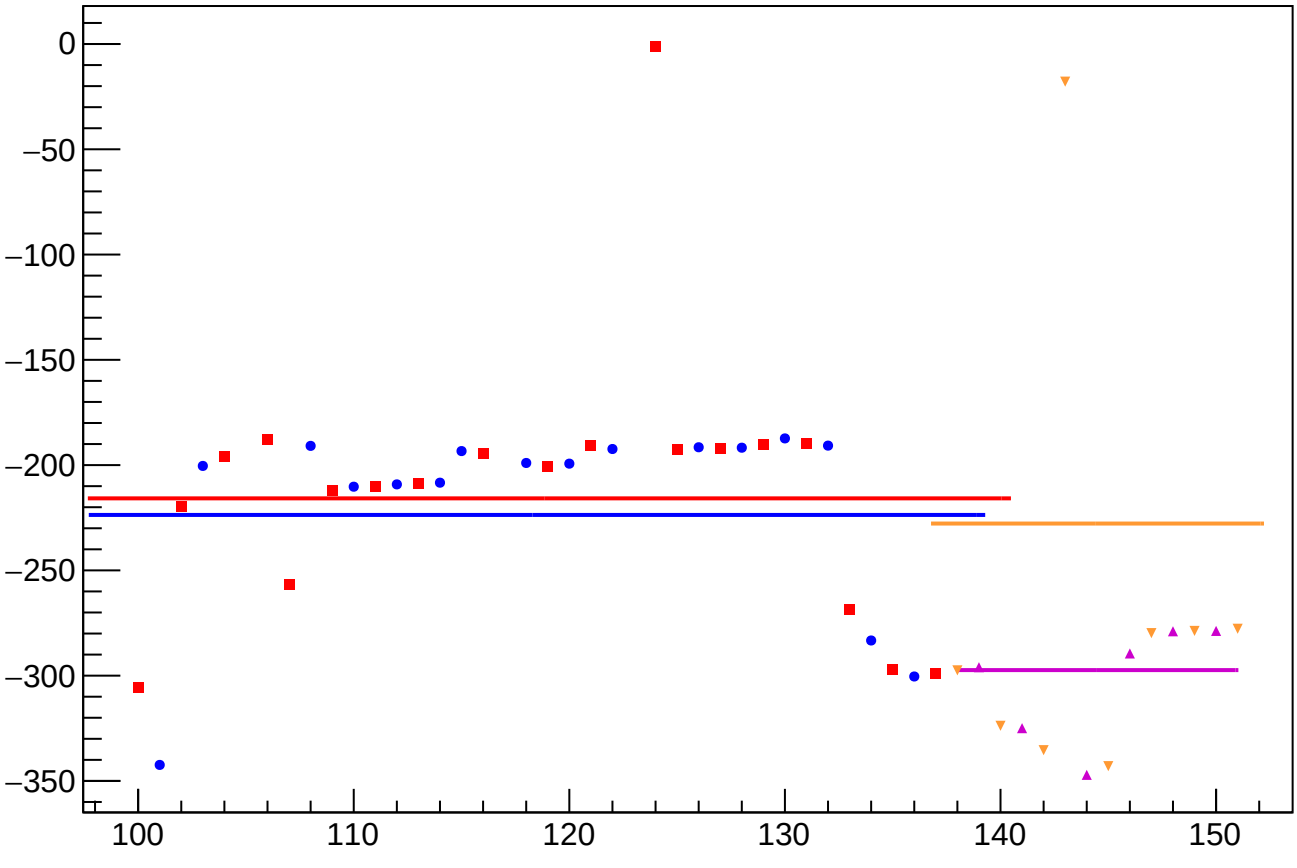
Left: 101.283+/-1.977 χ^2/NDF: 483.3/13

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 103.856+/-1.761 χ^2/NDF:300.5/21

Out: 92.675+/-1.645 χ^2/NDF:654.5/26

All: 97.884+/-1.202 χ^2/NDF: 976.5/48



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -227.759+/-0.132 χ^2/NDF:892482.2/7

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -297.363+/-0.153 χ^2/NDF:22627.6/5

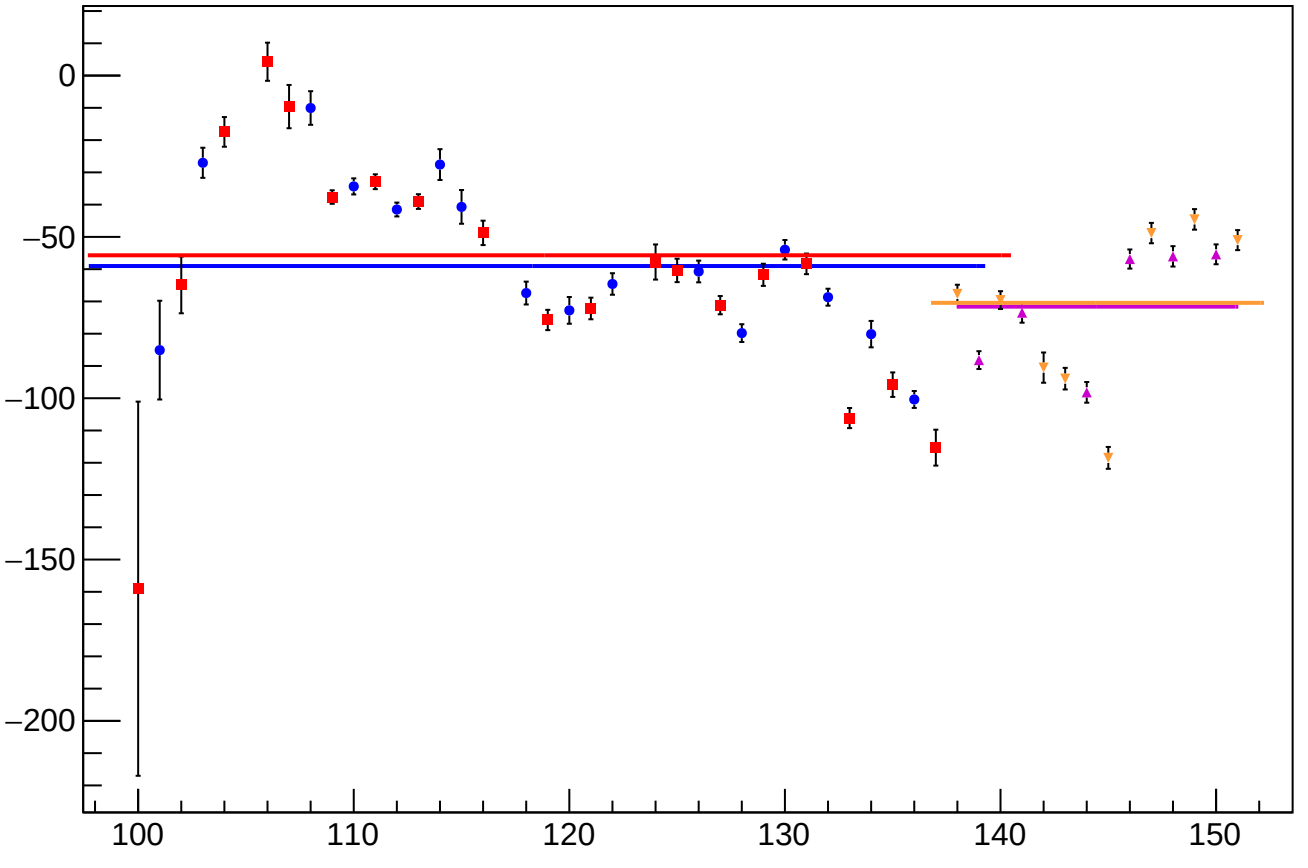
Left: -257.410+/-0.100 χ^2/NDF: 1033728.5/13

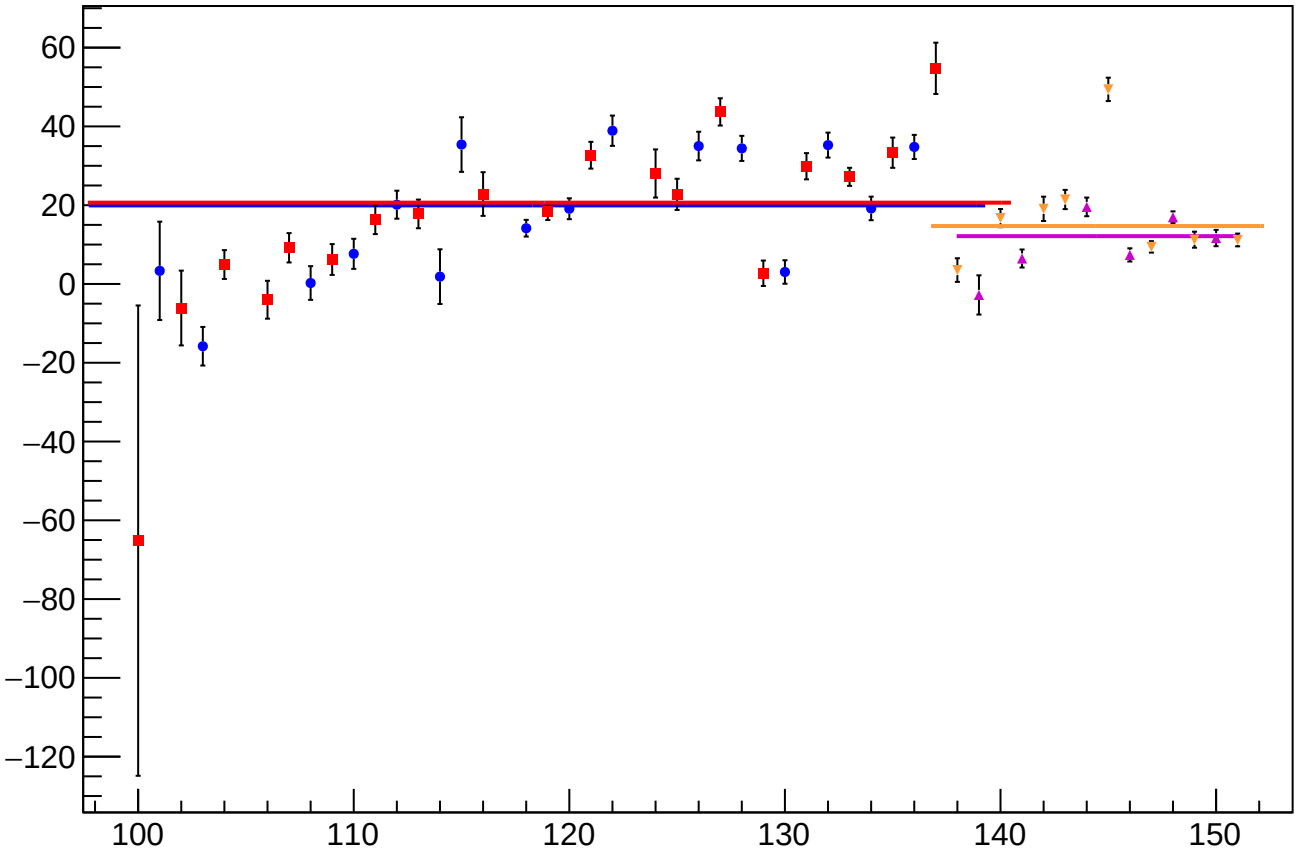
Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -256.774+/-0.103 χ^2/NDF:271747.2/21

Out: -221.885+/-0.094 χ^2/NDF:978036.6/26

All: -237.821+/-0.069 χ^2/NDF: 1312565.3/48


reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -59.030+/-0.829 χ²/NDF: 727.3/15
Left Out: -70.436+/-1.133 χ²/NDF:421.9/7
Right Out: -55.701+/-0.790 χ²/NDF: 1041.1/18
Left In: -71.615+/-1.239 χ²/NDF:181.9/5
Left: -70.973+/-0.836 χ²/NDF: 604.2/13
Right: -57.284+/-0.572 χ²/NDF: 1776.9/34
In: -62.922+/-0.689 χ²/NDF:980.4/21
Out: -60.522+/-0.648 χ²/NDF:1576.8/26
All: -61.648+/-0.472 χ²/NDF: 2563.7/48



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 14.701+/-0.750 χ^2/NDF:182.1/7

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 12.135+/-0.831 χ^2/NDF:43.4/5

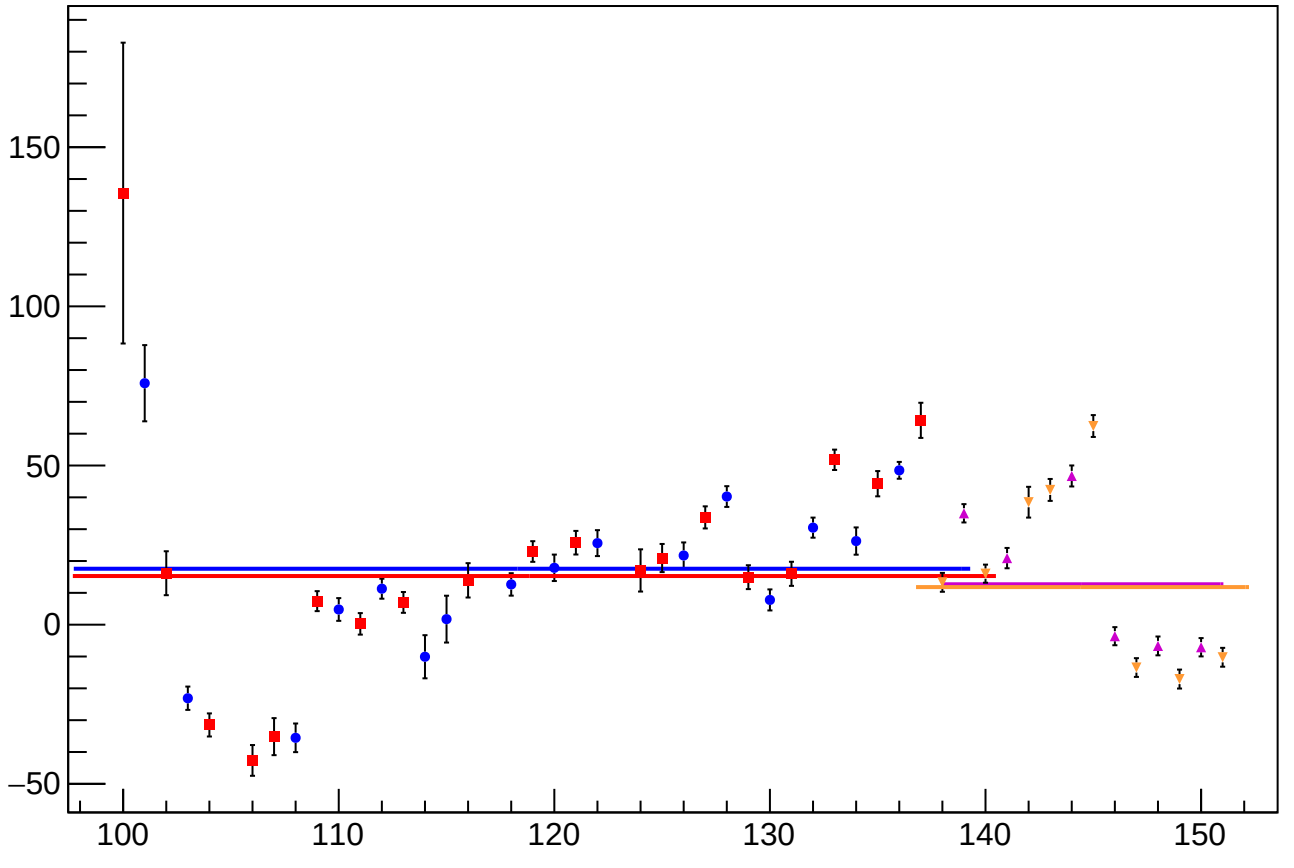
Left: 13.551+/-0.557 χ^2/NDF: 230.8/13

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 15.875+/-0.600 χ^2/NDF:332.9/21

Out: 17.322+/-0.560 χ^2/NDF:434.6/26

All: 16.648+/-0.410 χ^2/NDF: 770.5/48



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 11.808+/-1.124 χ^2/NDF:551.8/7

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 12.693+/-1.222 χ^2/NDF:296.0/5

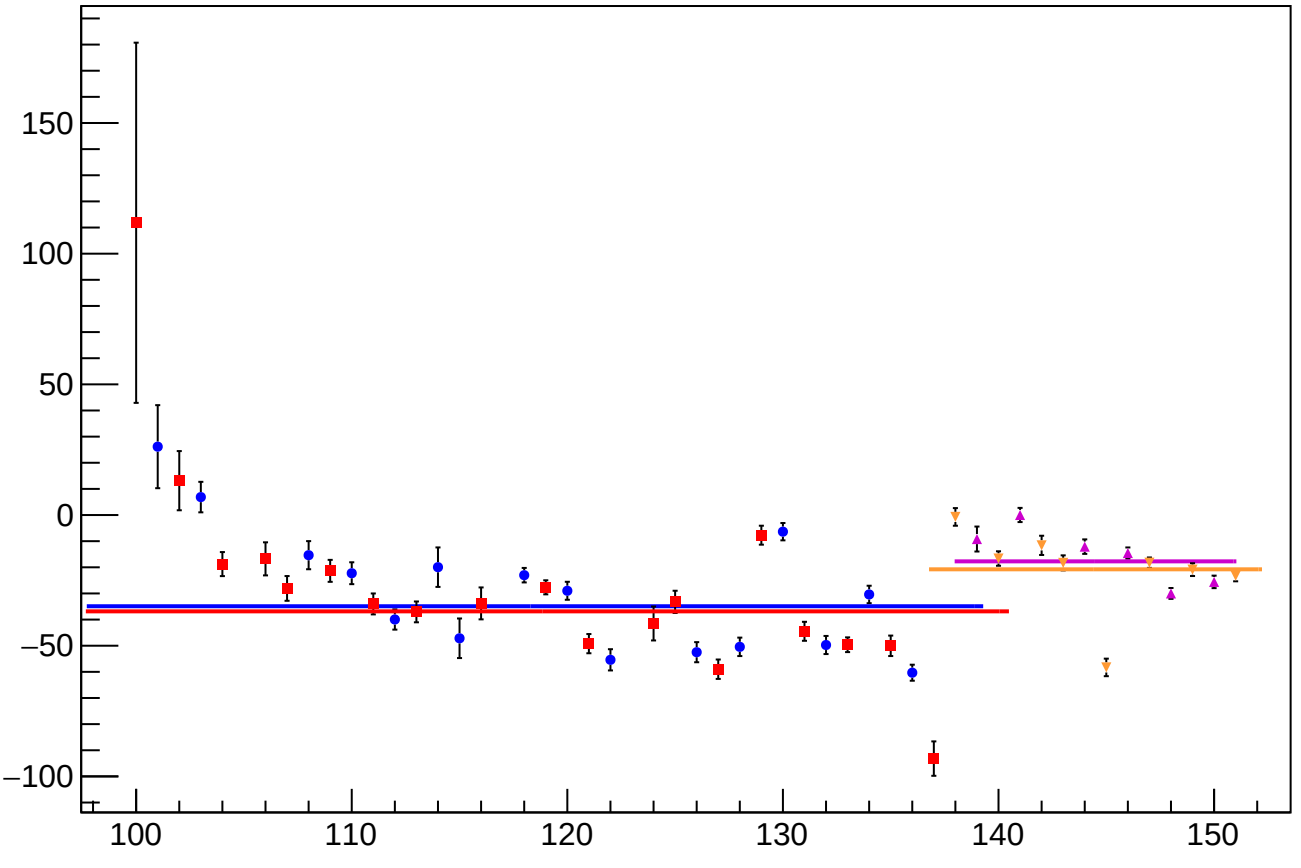
Left: 12.214+/-0.827 χ^2/NDF: 848.2/13

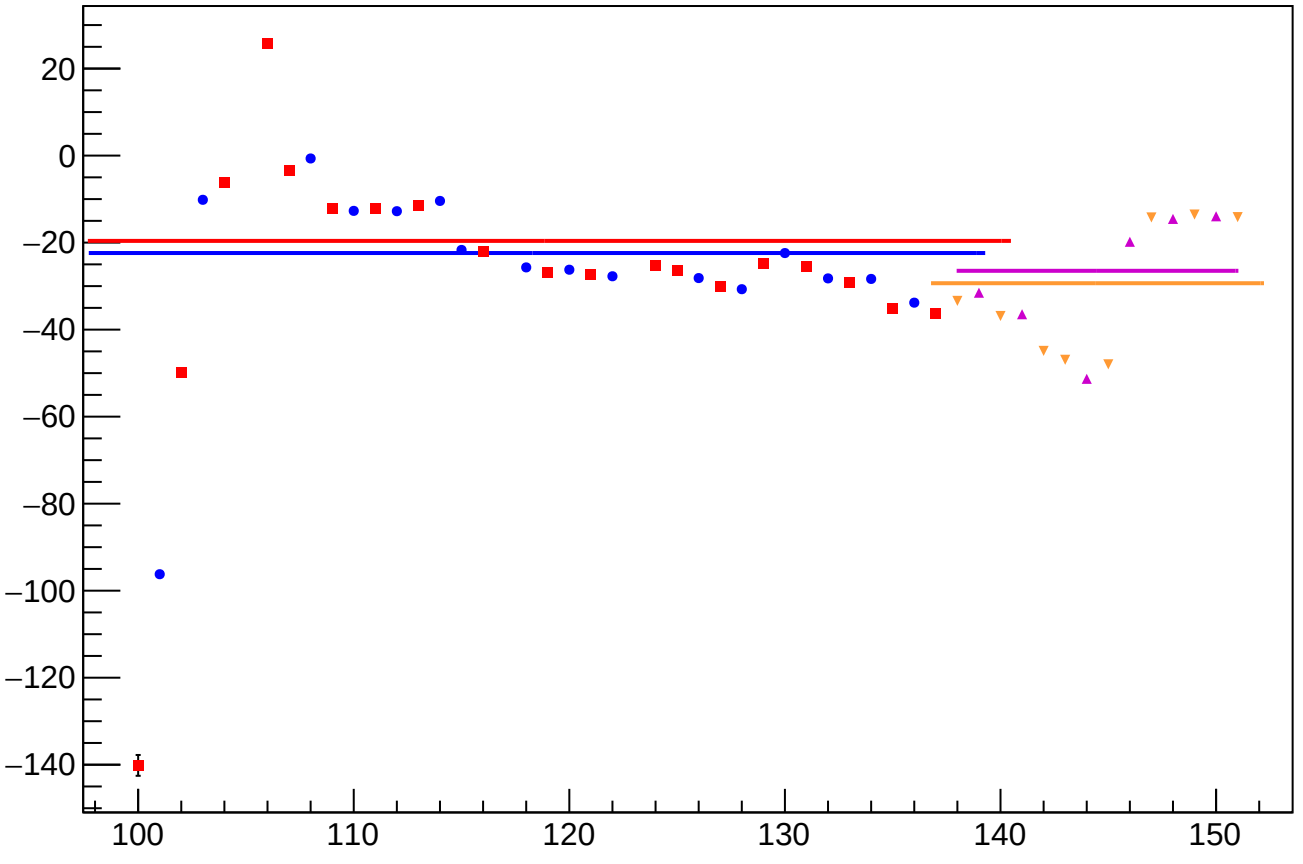
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 15.720+/-0.753 χ^2/NDF:852.1/21

Out: 13.864+/-0.718 χ^2/NDF:1287.5/26

All: 14.748+/-0.520 χ^2/NDF: 2142.8/48


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -20.769+/-0.934 χ²/NDF:172.7/7
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -17.724+/-1.034 χ²/NDF:98.0/5
Left: -19.401+/-0.693 χ²/NDF: 275.5/13
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -26.680+/-0.715 χ²/NDF:588.6/21
Out: -28.511+/-0.673 χ²/NDF:616.9/26
All: -27.652+/-0.490 χ²/NDF: 1208.9/48



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -29.334+/-0.046 χ^2/NDF:91868.5/7

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -26.481+/-0.049 χ^2/NDF:61034.6/5

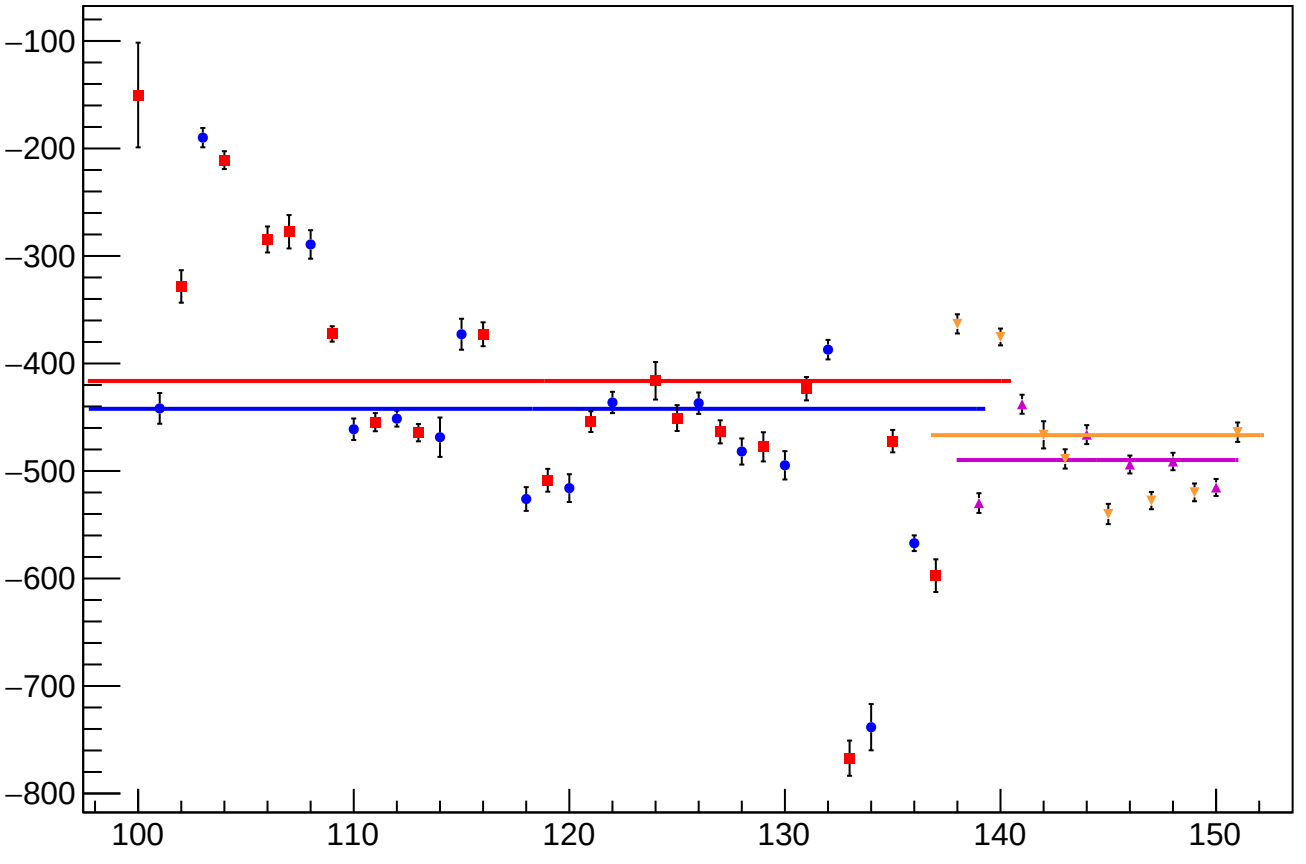
Left: -27.994+/-0.034 χ^2/NDF: 154674.8/13

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -24.773+/-0.038 χ^2/NDF:110416.3/21

Out: -25.646+/-0.037 χ^2/NDF:192363.6/26

All: -25.222+/-0.026 χ^2/NDF: 303056.1/48



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -466.673+/-3.143 χ^2/NDF:436.5/7

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -489.807+/-3.468 χ^2/NDF:71.3/5

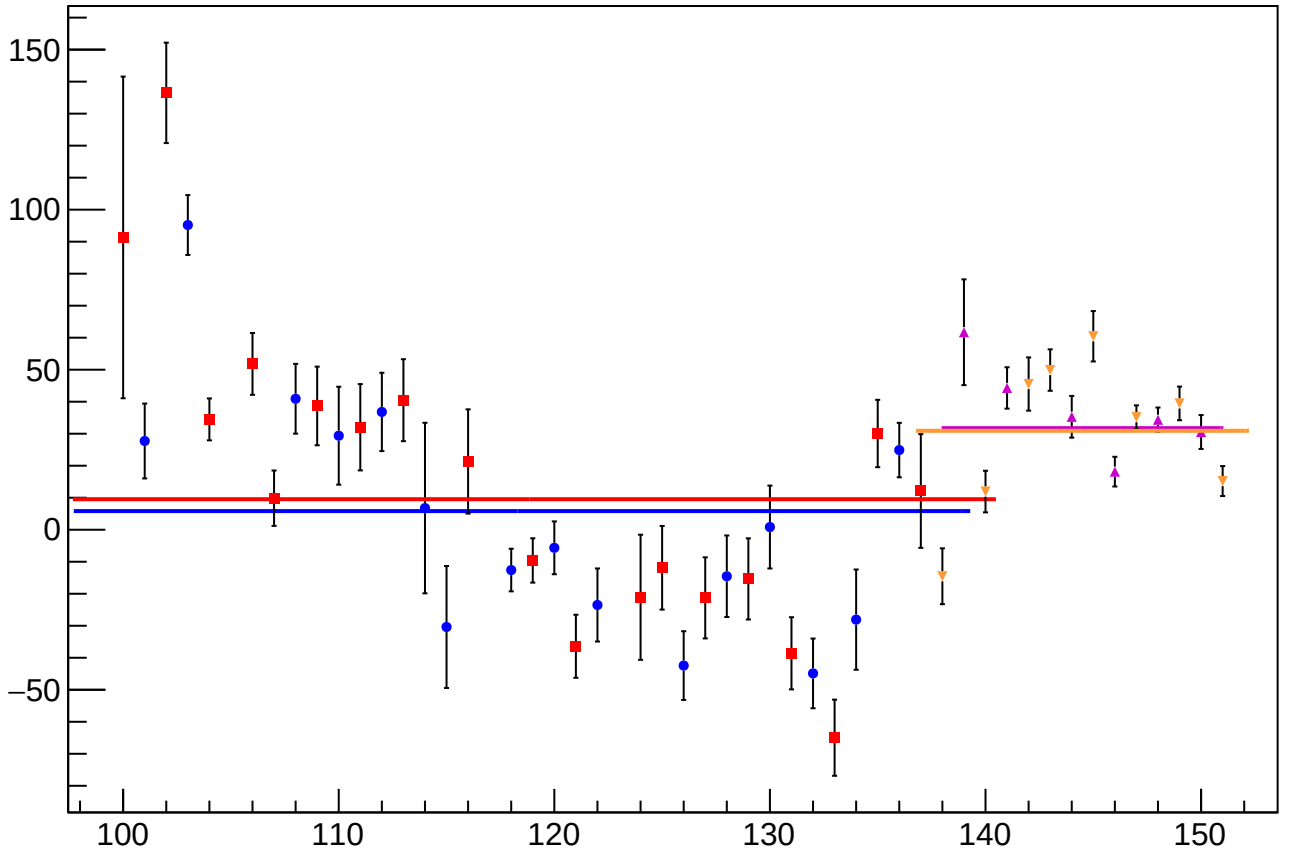
Left: -477.106+/-2.329 χ^2/NDF: 532.2/13

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -460.003+/-2.121 χ^2/NDF:1778.4/21

Out: -436.009+/-1.967 χ^2/NDF:2346.8/26

All: -447.103+/-1.443 χ^2/NDF: 4193.9/48



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 30.910+/-2.013 χ^2/NDF:76.7/7

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 31.736+/-2.225 χ^2/NDF:16.5/5

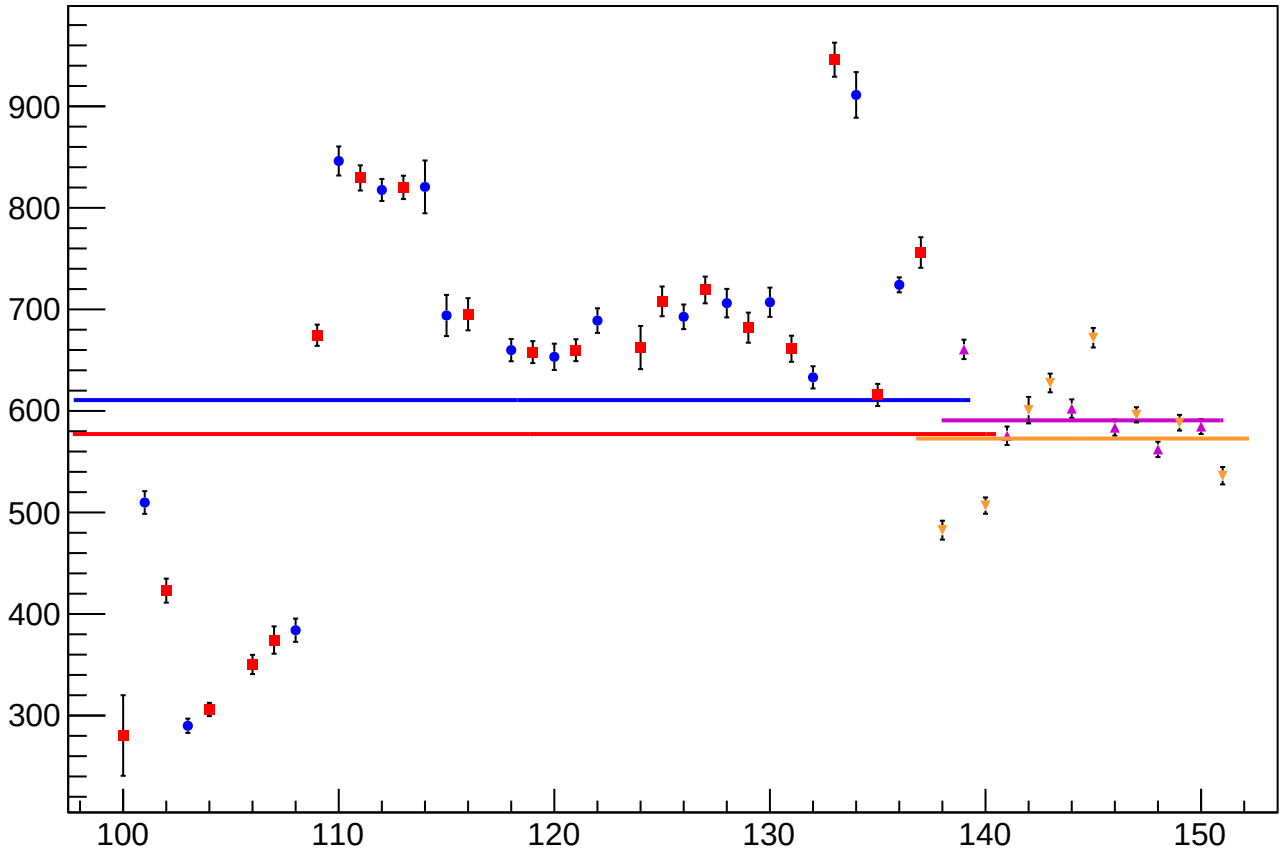
Left: 31.282+/-1.493 χ^2/NDF: 93.2/13

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 21.384+/-1.724 χ^2/NDF:258.8/21

Out: 22.728+/-1.582 χ^2/NDF:342.0/26

All: 22.114+/-1.166 χ^2/NDF: 601.1/48



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 572.801+/-3.108 χ^2/NDF:339.2/7

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 590.710+/-3.397 χ^2/NDF:73.5/5

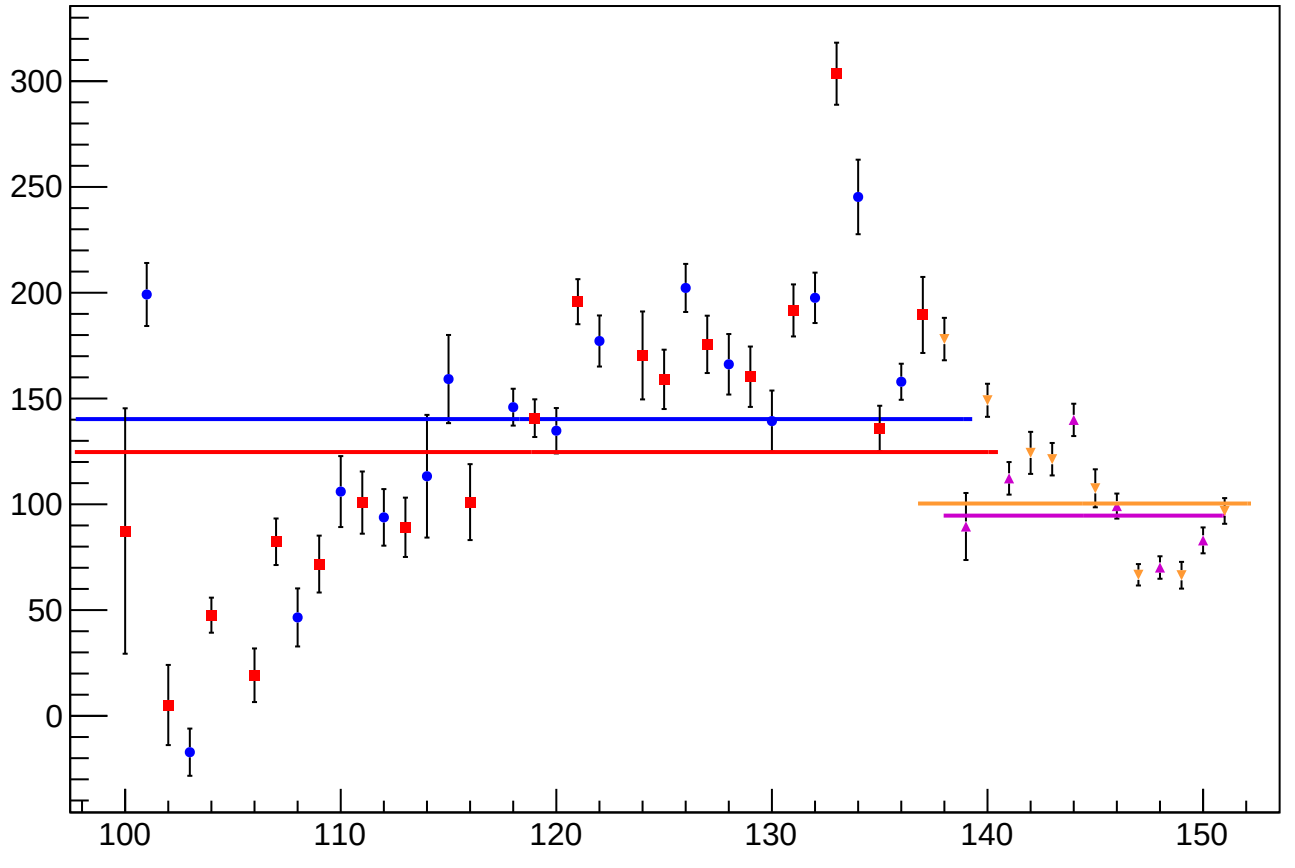
Left: 580.962+/-2.293 χ^2/NDF: 427.9/13

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 602.278+/-2.202 χ^2/NDF:3986.1/21

Out: 575.267+/-2.062 χ^2/NDF:5140.6/26

All: 587.883+/-1.505 χ^2/NDF: 9206.9/48



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 100.369+/-2.524 χ^2/NDF:186.3/7

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 94.651+/-2.788 χ^2/NDF:66.0/5

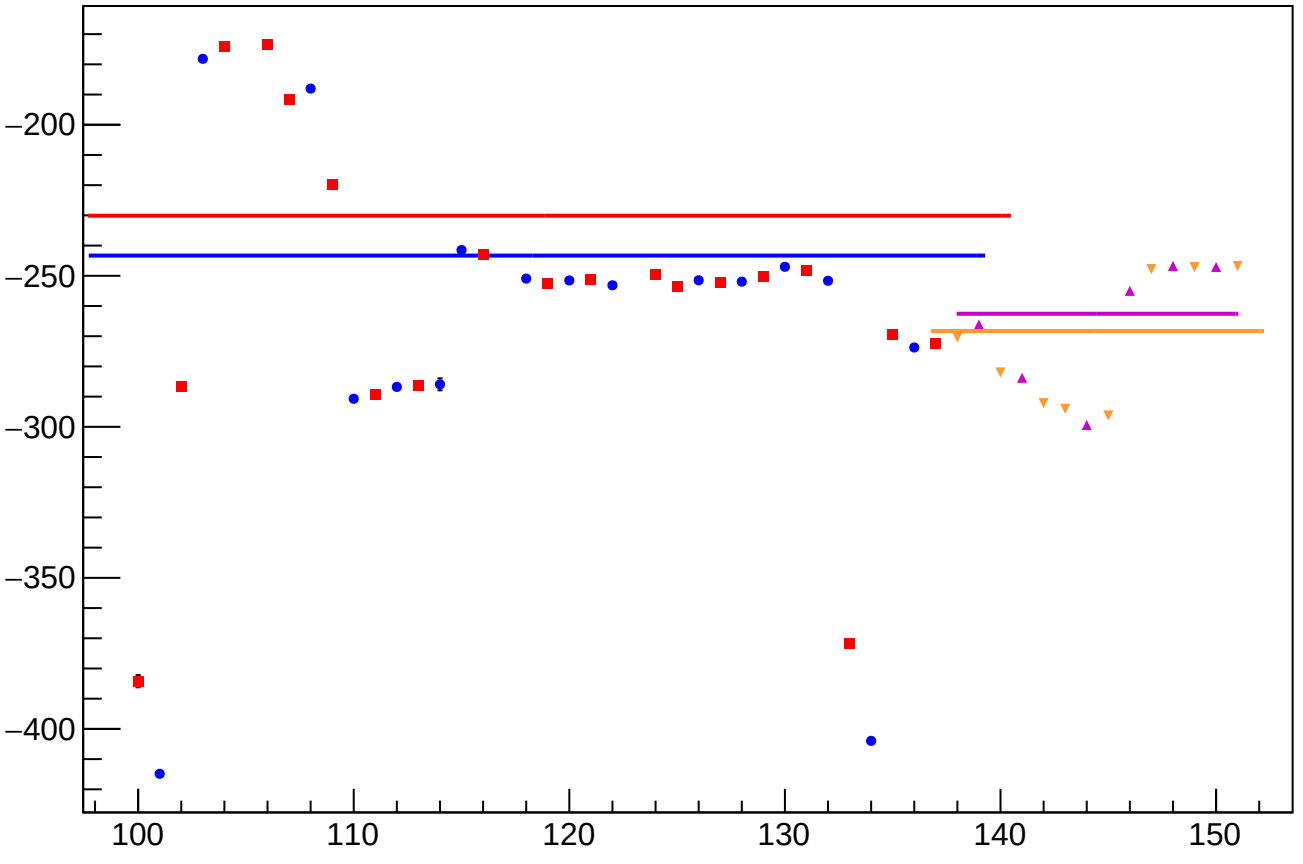
Left: 97.793+/-1.871 χ^2/NDF: 254.6/13

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 114.680+/-2.088 χ^2/NDF:569.0/21

Out: 110.535+/-1.925 χ^2/NDF:733.7/26

All: 112.440+/-1.415 χ^2/NDF: 1304.8/48



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -268.273+/-0.130 χ^2/NDF:25344.8/7

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -262.568+/-0.139 χ^2/NDF:17349.5/5

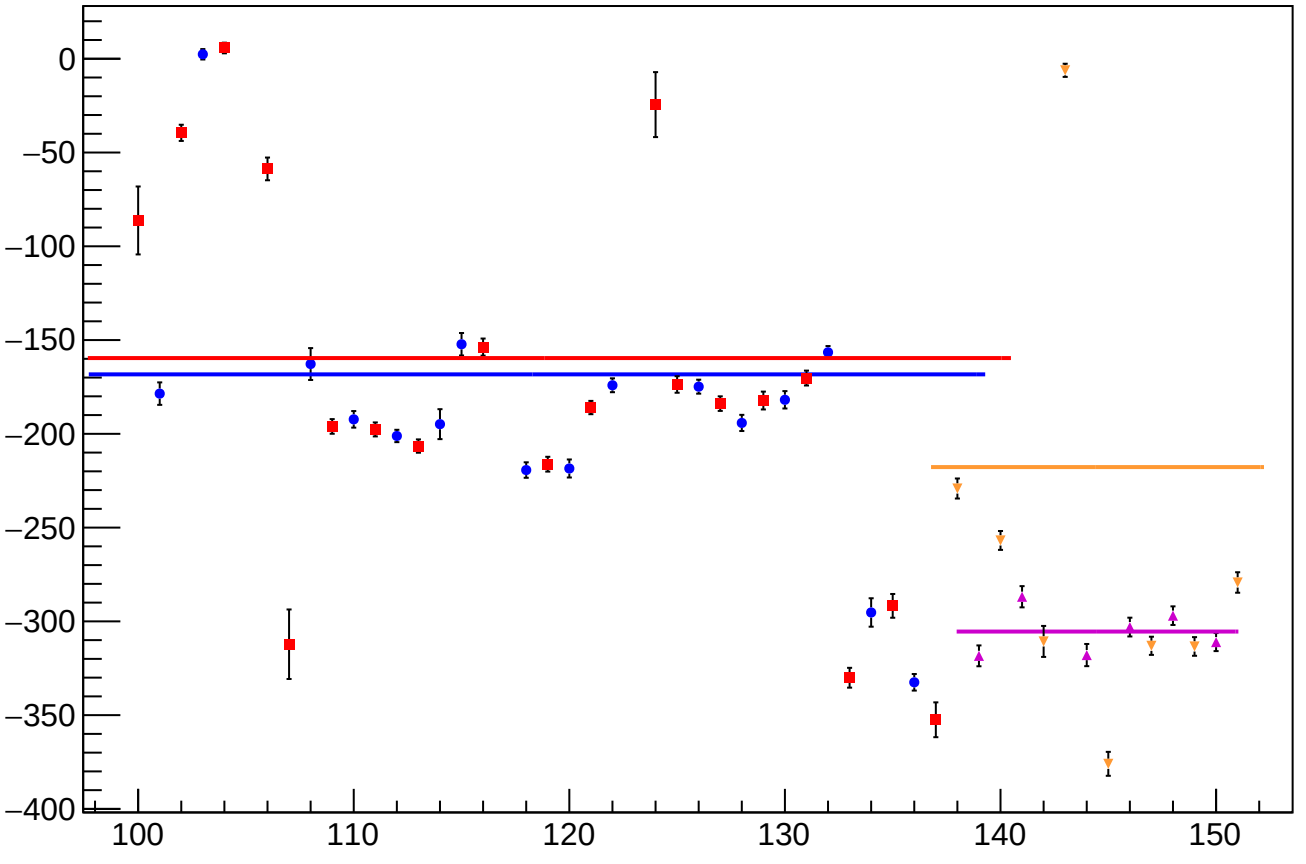
Left: -265.599+/-0.095 χ^2/NDF: 43595.3/13

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -254.463+/-0.105 χ^2/NDF:198972.5/21

Out: -252.778+/-0.100 χ^2/NDF:162730.0/26

All: -253.578+/-0.073 χ^2/NDF: 361836.6/48



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -217.731+/-1.792 χ^2/NDF:5323.8/7

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -305.434+/-2.152 χ^2/NDF:25.2/5

Left: -253.650+/-1.377 χ^2/NDF: 6329.8/13

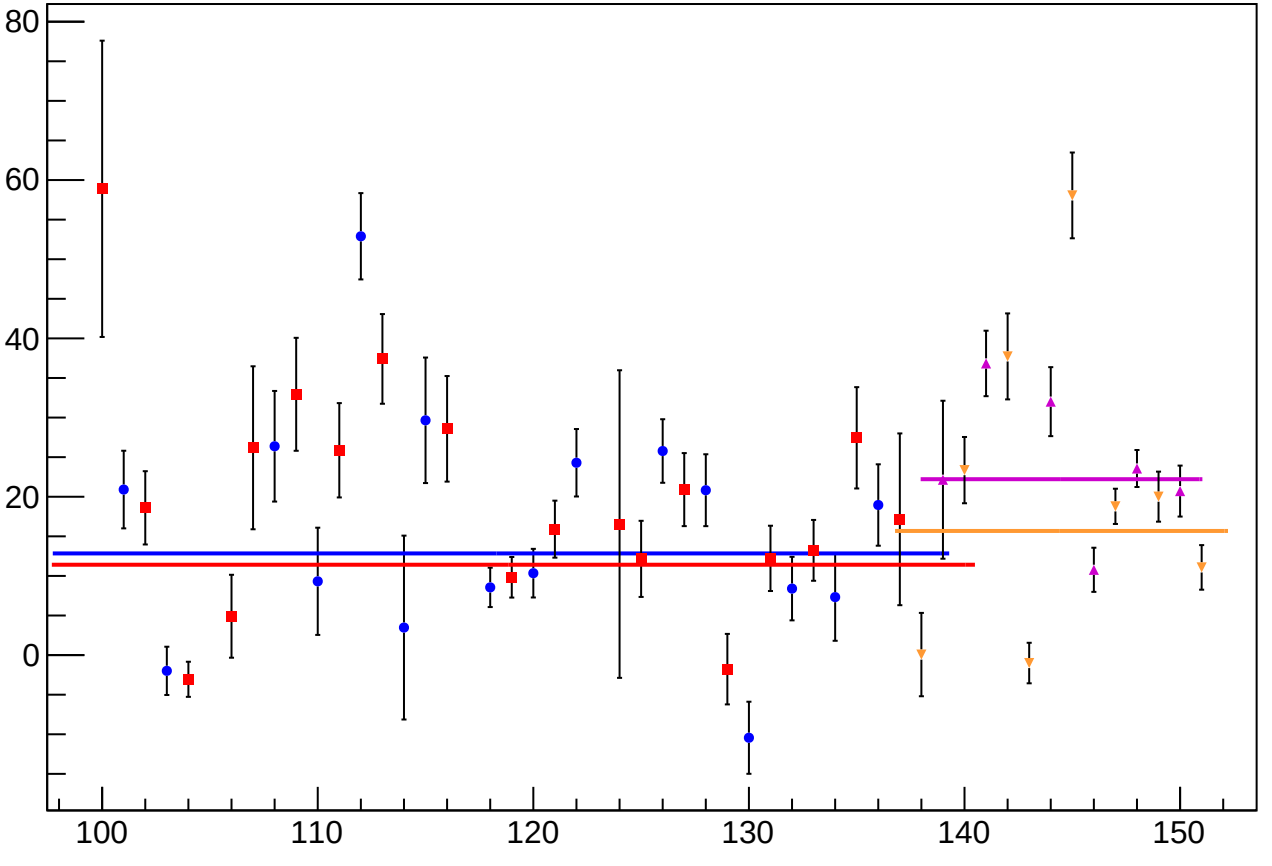
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -195.714+/-0.962 χ^2/NDF:9182.6/21

Out: -174.295+/-0.901 χ^2/NDF:13307.8/26

All: -184.302+/-0.658 χ^2/NDF: 22754.3/48

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: 15.680+/-1.161 χ^2/NDF:138.9/7

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 22.217+/-1.374 χ^2/NDF:35.0/5

Left: 18.402+/-0.887 χ^2/NDF: 187.0/13

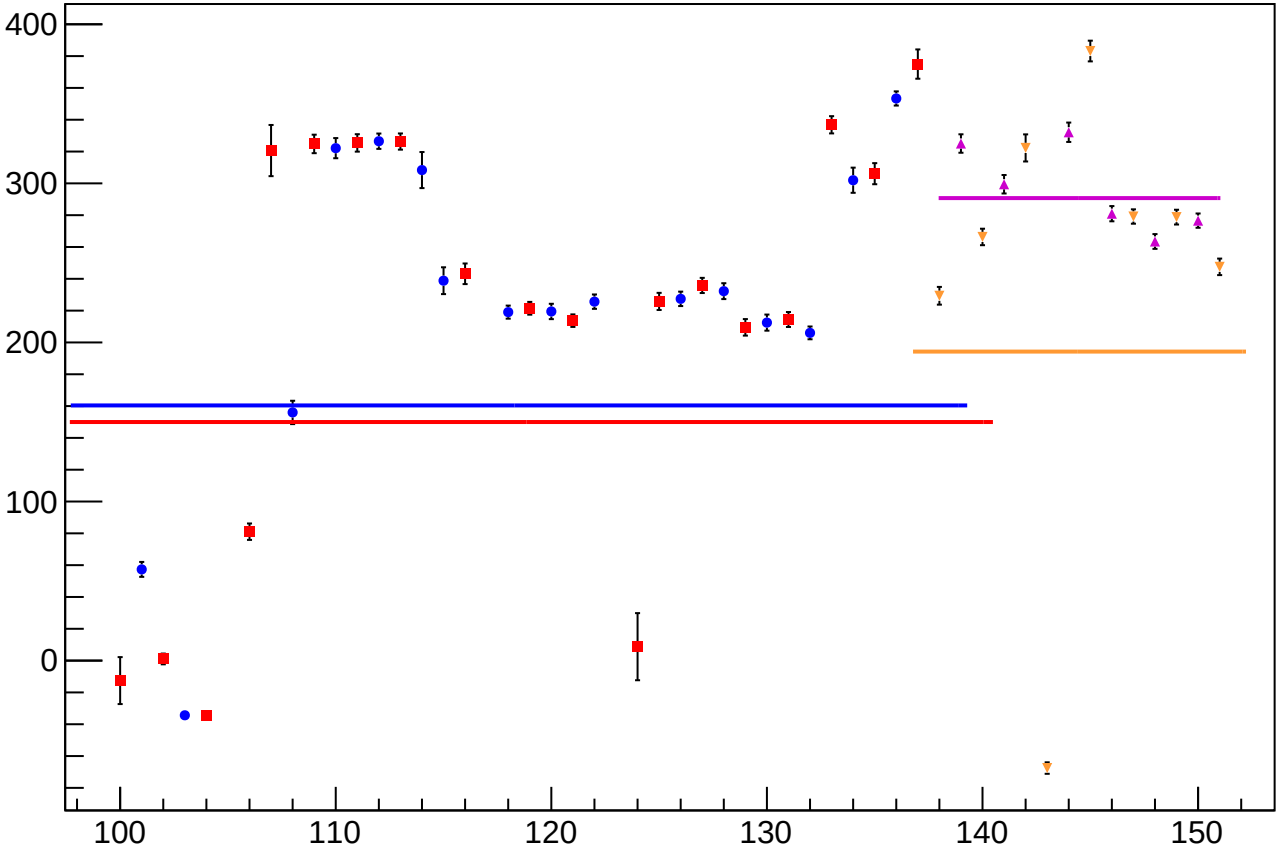
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 16.408+/-0.847 χ^2/NDF:207.5/21

Out: 13.304+/-0.773 χ^2/NDF:265.9/26

All: 14.713+/-0.571 χ^2/NDF: 480.8/48

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 194.256+/-1.779 χ^2/NDF:7350.7/7

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 290.737+/-2.103 χ^2/NDF:132.1/5

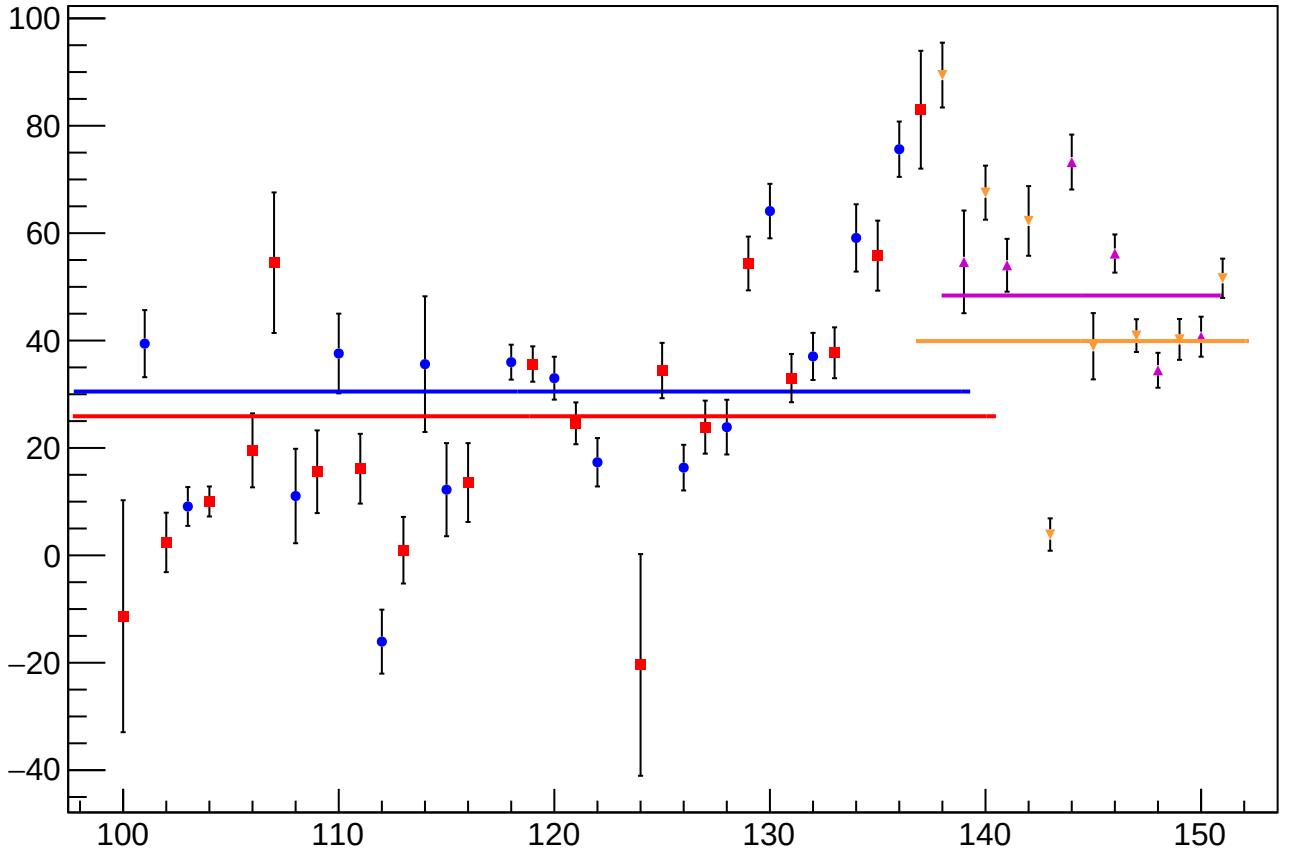
Left: 234.486+/-1.358 χ^2/NDF: 8709.4/13

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 189.956+/-1.002 χ^2/NDF:17050.5/21

Out: 162.332+/-0.940 χ^2/NDF:24062.6/26

All: 175.264+/-0.685 χ^2/NDF: 41517.6/48



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 39.910+/-1.446 χ^2/NDF:262.4/7

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 48.388+/-1.724 χ^2/NDF:52.8/5

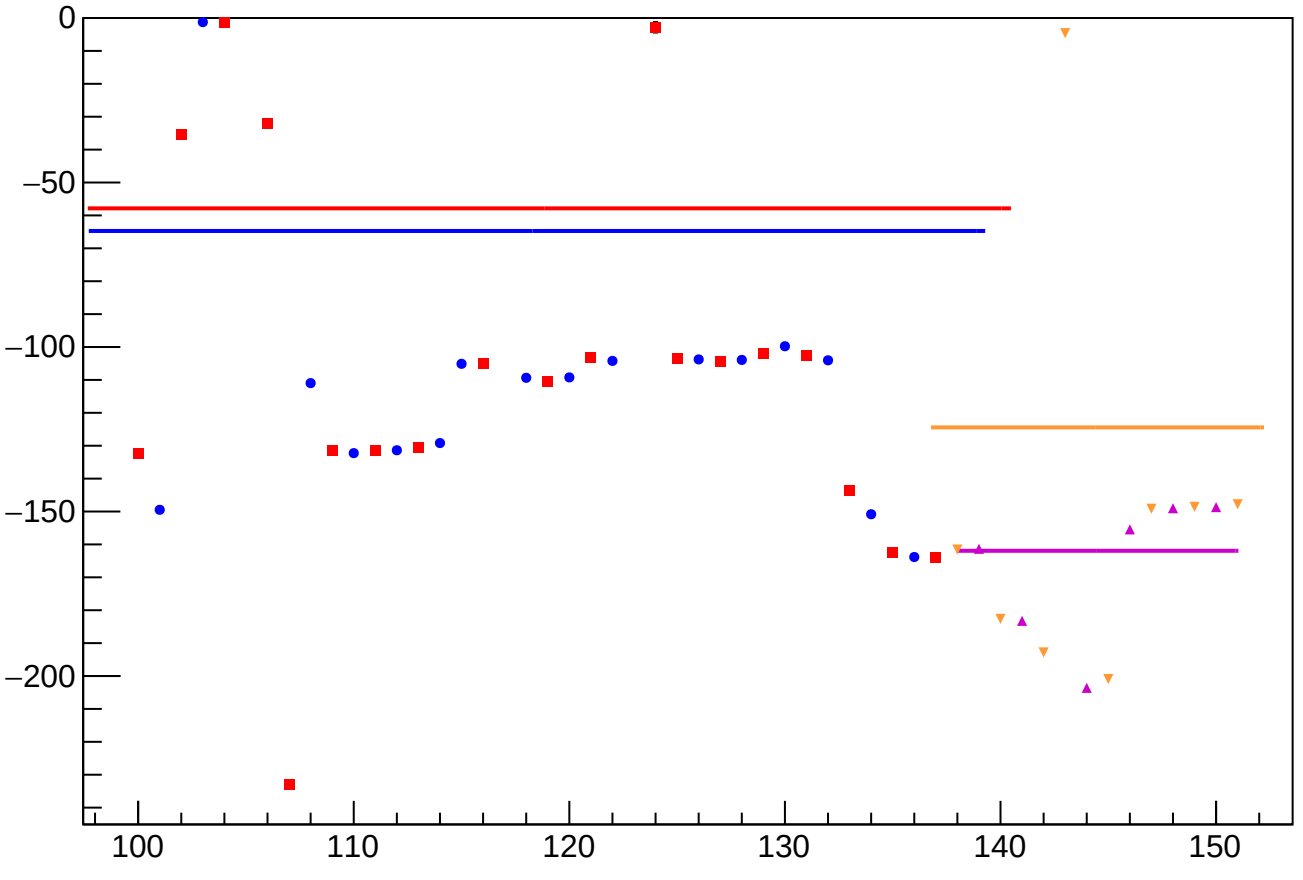
Left: 43.412+/-1.108 χ^2/NDF: 329.3/13

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 36.698+/-1.014 χ^2/NDF:400.0/21

Out: 31.687+/-0.929 χ^2/NDF:505.2/26

All: 33.973+/-0.685 χ^2/NDF: 918.5/48



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -124.427+/-0.074 χ^2/NDF:900203.7/7

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -161.934+/-0.086 χ^2/NDF:42297.3/5

Left: -140.552+/-0.056 χ^2/NDF: 1052026.7/13

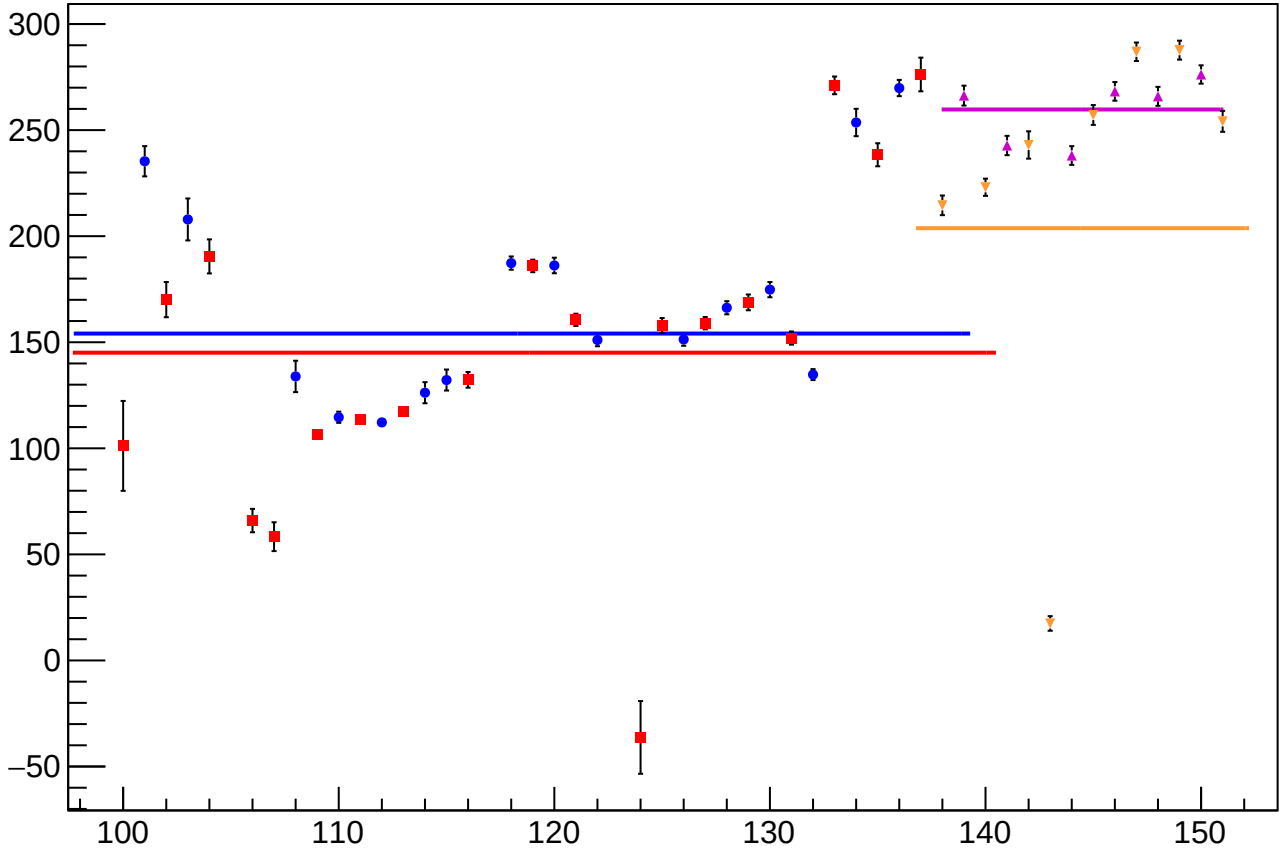
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -99.451+/-0.051 χ^2/NDF:1916230.3/21

Out: -85.256+/-0.048 χ^2/NDF:2248256.4/26

All: -91.855+/-0.035 χ^2/NDF: 4205710.2/48

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: 203.761+/-1.571 χ^2/NDF:3941.4/7

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 259.719+/-1.826 χ^2/NDF:60.2/5

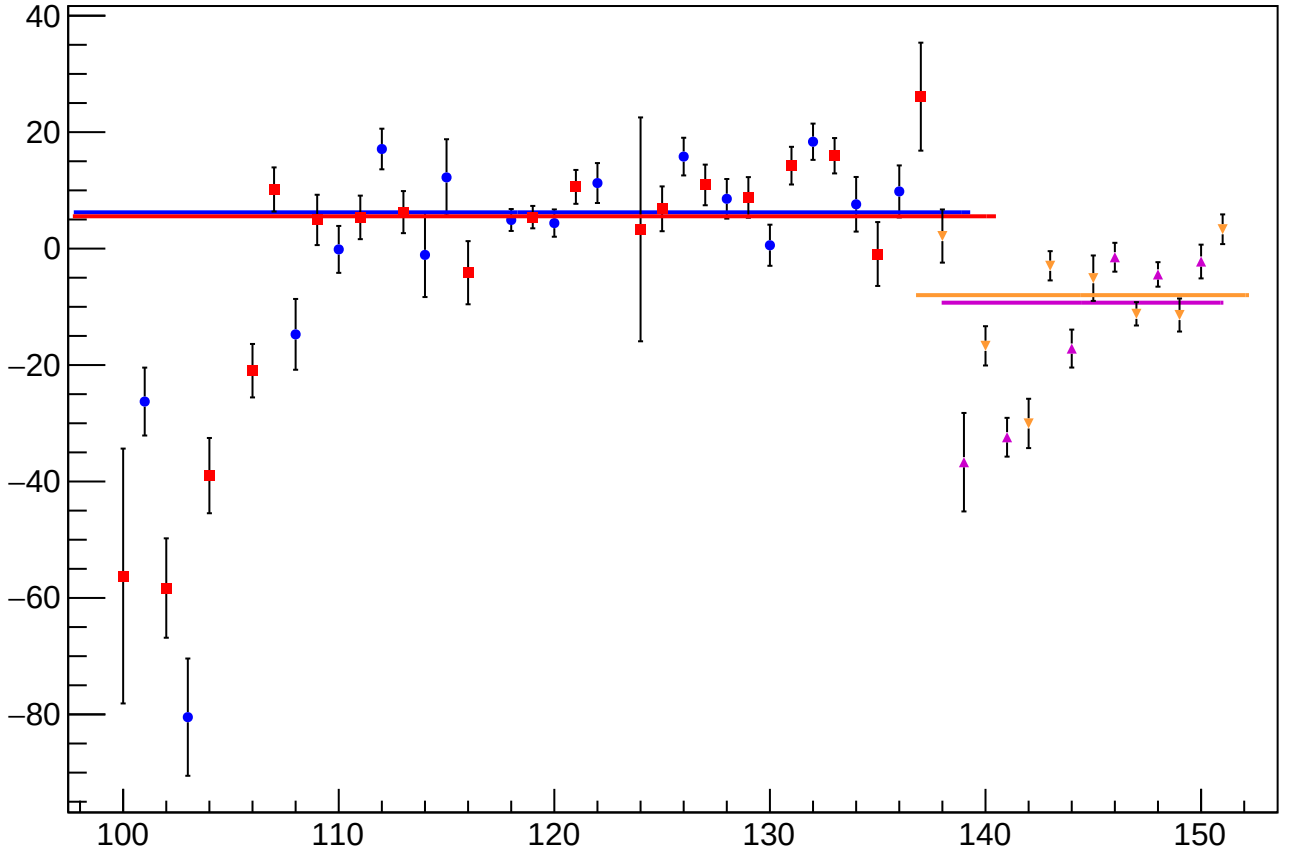
Left: 227.569+/-1.191 χ^2/NDF: 4541.3/13

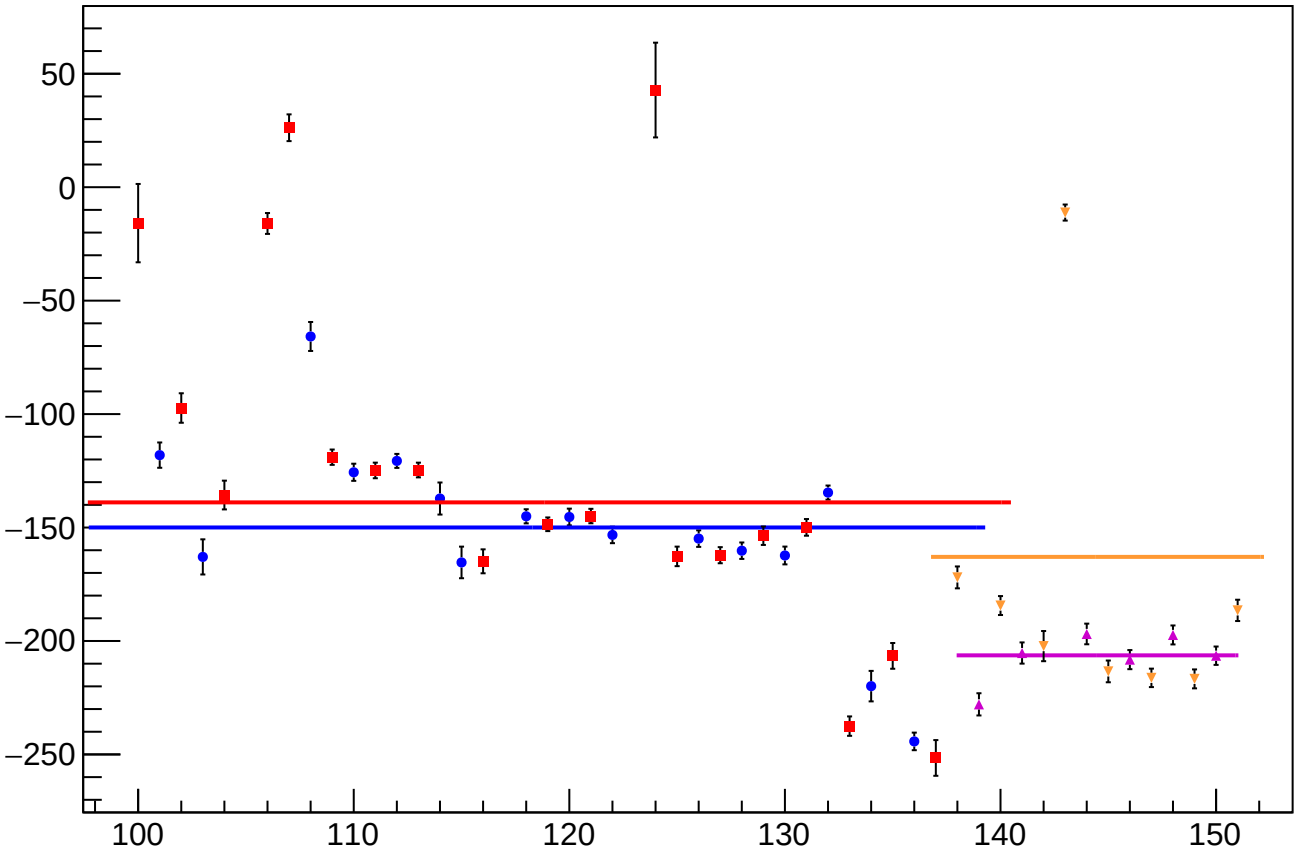
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

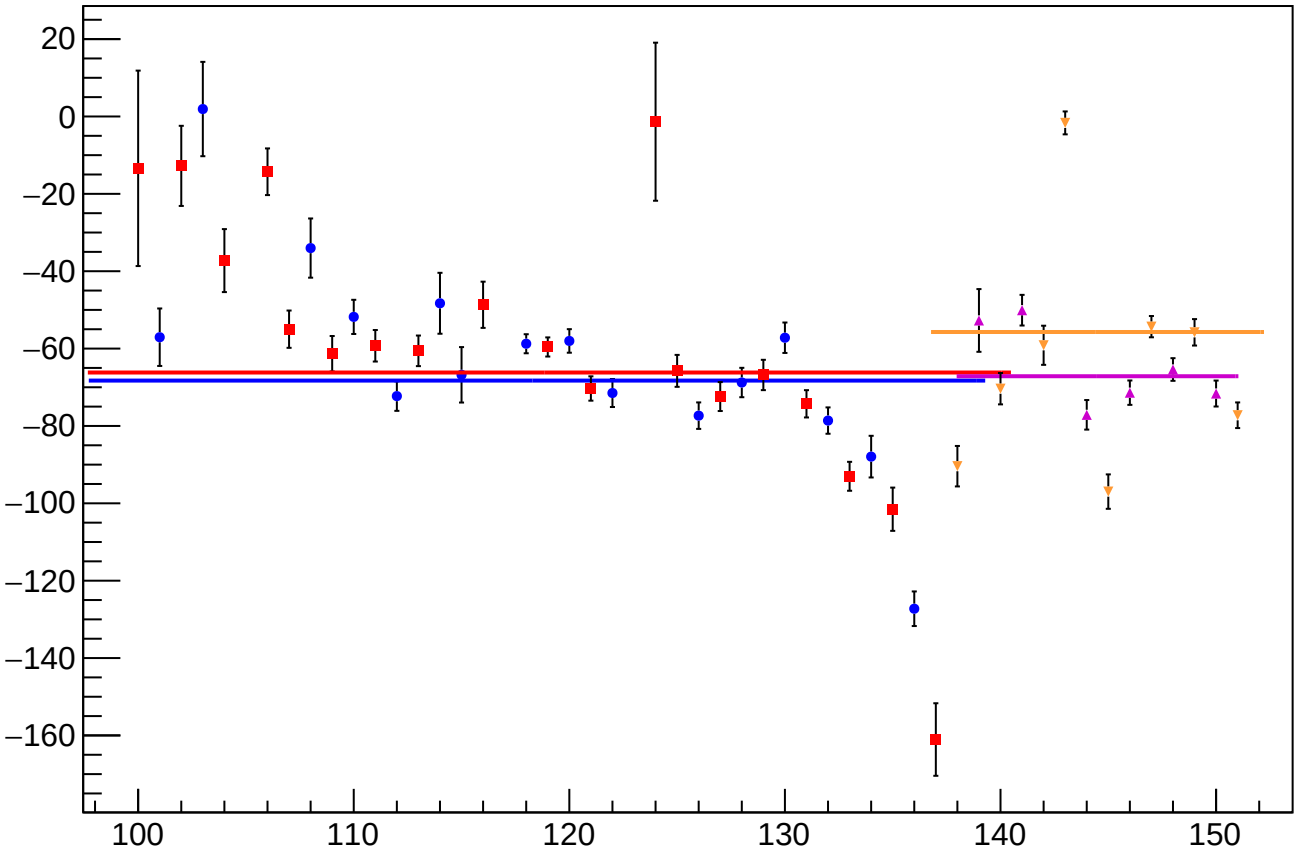
In: 173.611+/-0.785 χ^2/NDF:5070.2/21

Out: 157.792+/-0.731 χ^2/NDF:7992.6/26

All: 165.143+/-0.535 χ^2/NDF: 13280.4/48


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -7.993+/-1.030 χ²/NDF:66.9/7
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -9.289+/-1.190 χ²/NDF:85.7/5
Left: -8.548+/-0.779 χ²/NDF: 153.3/13
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 0.663+/-0.713 χ²/NDF:356.8/21
Out: -0.234+/-0.673 χ²/NDF:347.1/26
All: 0.189+/-0.489 χ²/NDF: 704.7/48


reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -149.970+/-1.026 χ²/NDF: 1099.5/15
Left Out: -162.933+/-1.563 χ²/NDF:2372.9/7
Right Out: -138.912+/-0.993 χ²/NDF: 2750.9/18
Left In: -206.329+/-1.794 χ²/NDF:28.6/5
Left: -181.658+/-1.178 χ²/NDF: 2734.2/13
Right: -144.265+/-0.714 χ²/NDF: 3910.3/34
In: -163.853+/-0.890 χ²/NDF:1871.9/21
Out: -145.824+/-0.838 χ²/NDF:5292.0/26
All: -154.297+/-0.610 χ²/NDF: 7381.3/48



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -55.711+/-1.281 χ^2/NDF:519.0/7

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -67.147+/-1.485 χ^2/NDF:32.5/5

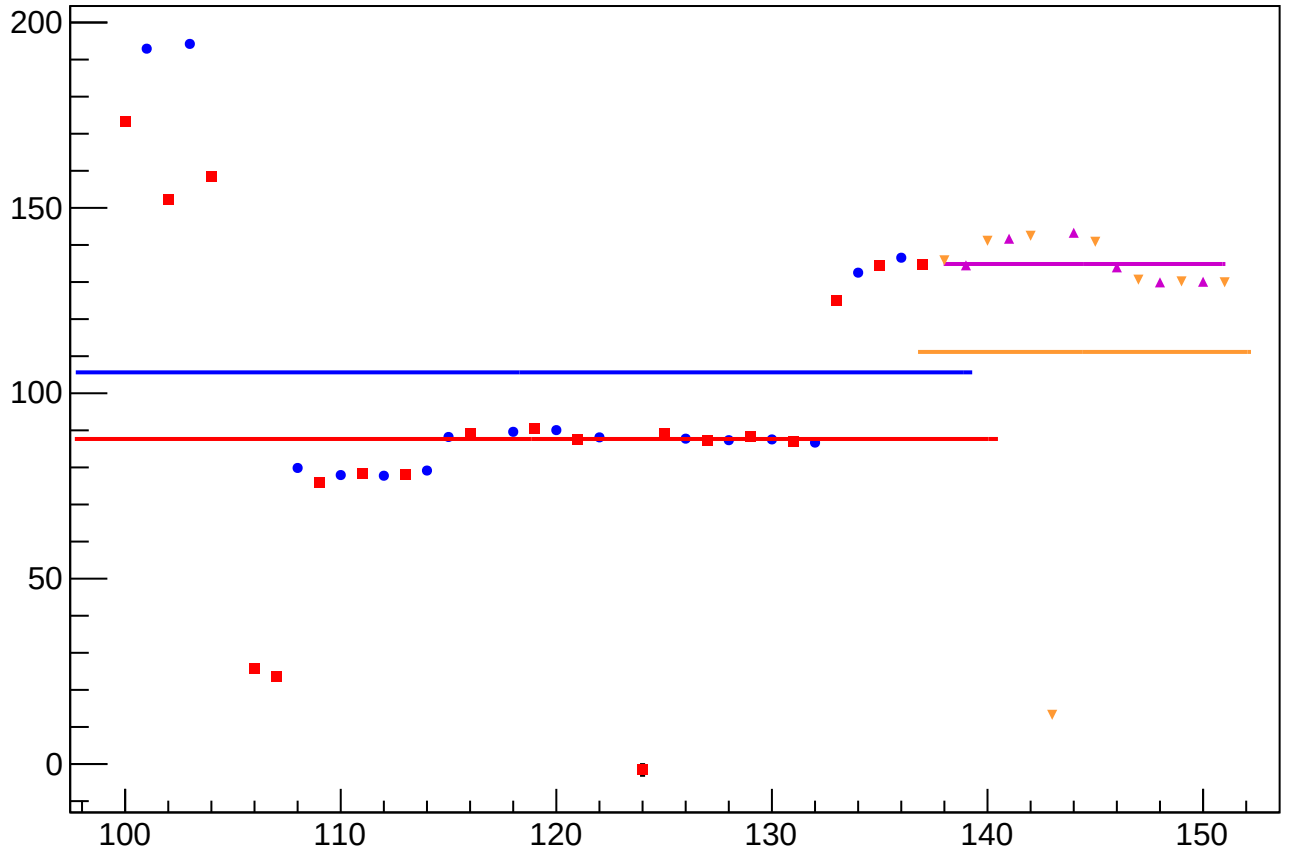
Left: -60.590+/-0.970 χ^2/NDF: 585.5/13

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -67.905+/-0.848 χ^2/NDF:348.3/21

Out: -62.100+/-0.800 χ^2/NDF:918.1/26

All: -64.832+/-0.582 χ^2/NDF: 1291.2/48



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 111.151+/-0.065 χ^2/NDF:556350.7/7

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 134.867+/-0.073 χ^2/NDF:4721.7/5

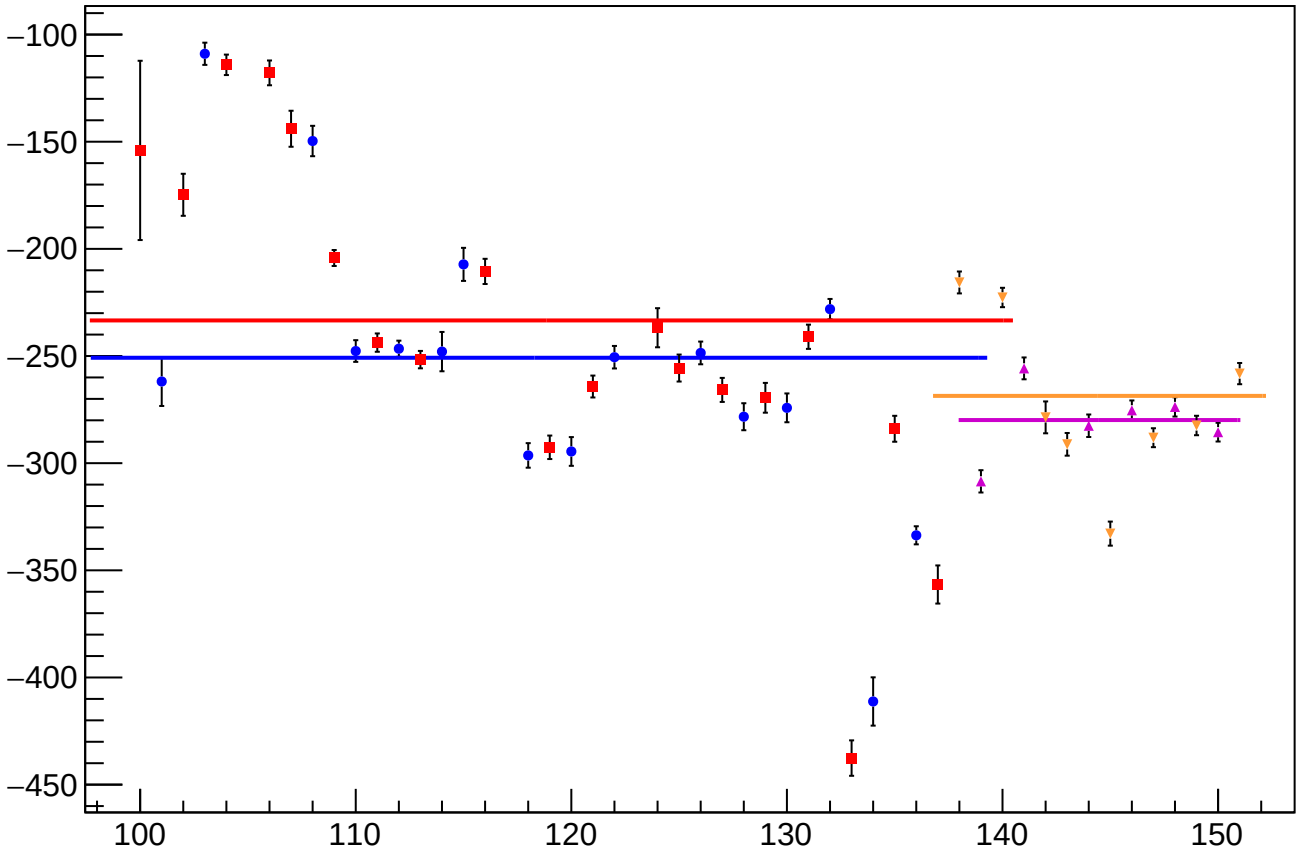
Left: 121.653+/-0.049 χ^2/NDF: 619581.1/13

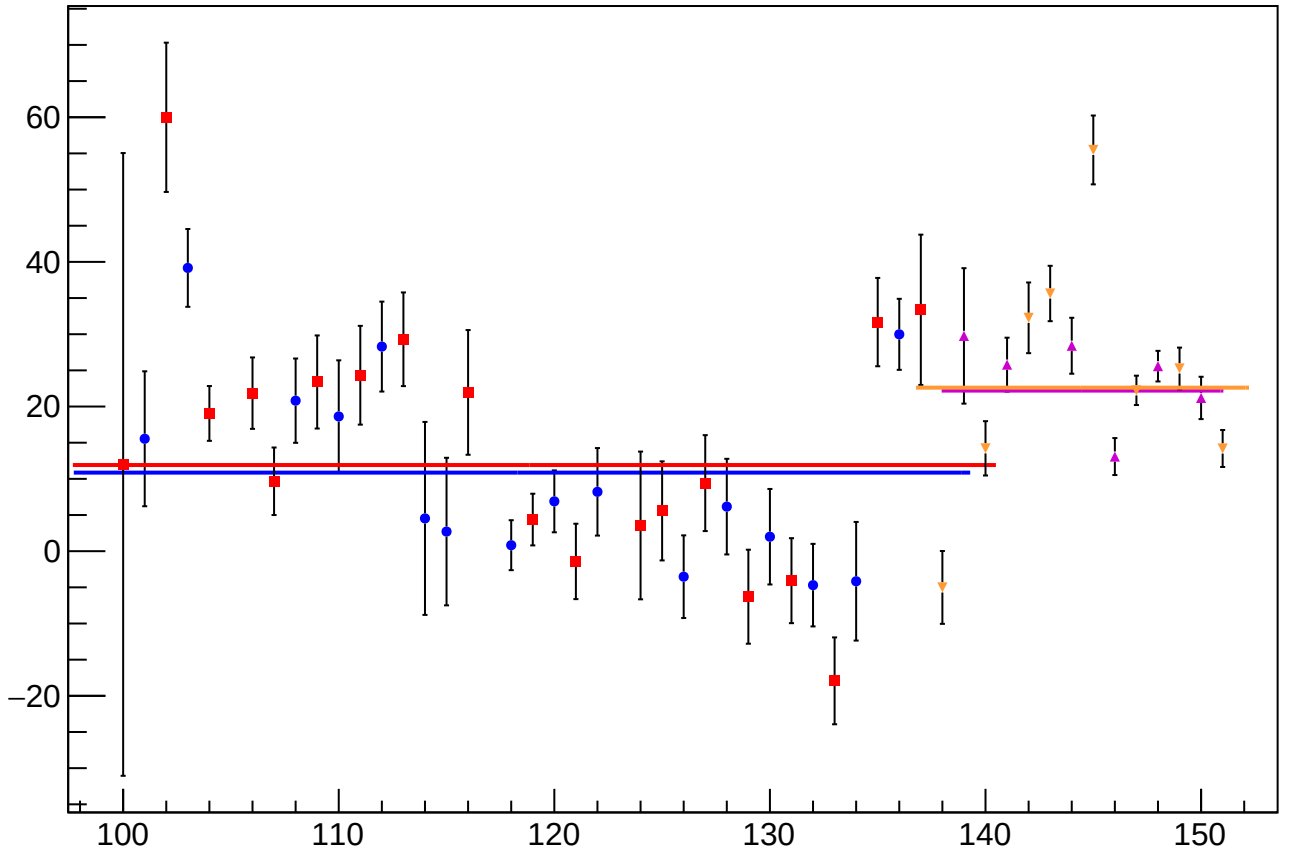
Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 119.775+/-0.051 χ^2/NDF:326682.5/21

Out: 99.481+/-0.046 χ^2/NDF:995175.1/26

All: 108.663+/-0.034 χ^2/NDF: 1408906.9/48


reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
150
Right In: -250.812+/-1.438 χ²/NDF: 1735.7/15
Left Out: -268.603+/-1.786 χ²/NDF:394.7/7
Right Out: -233.396+/-1.333 χ²/NDF: 2378.5/18
Left In: -279.878+/-1.957 χ²/NDF:57.4/5
Left: -273.728+/-1.319 χ²/NDF: 470.2/13
Right: -241.445+/-0.978 χ²/NDF: 4193.1/34
In: -261.006+/-1.159 χ²/NDF:1936.3/21
Out: -245.991+/-1.069 χ²/NDF:3022.7/26
All: -252.891+/-0.786 χ²/NDF: 5049.7/48



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 22.610+/-1.132 χ^2/NDF:109.9/7

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 22.204+/-1.246 χ^2/NDF:19.6/5

Left: 22.427+/-0.838 χ^2/NDF: 129.6/13

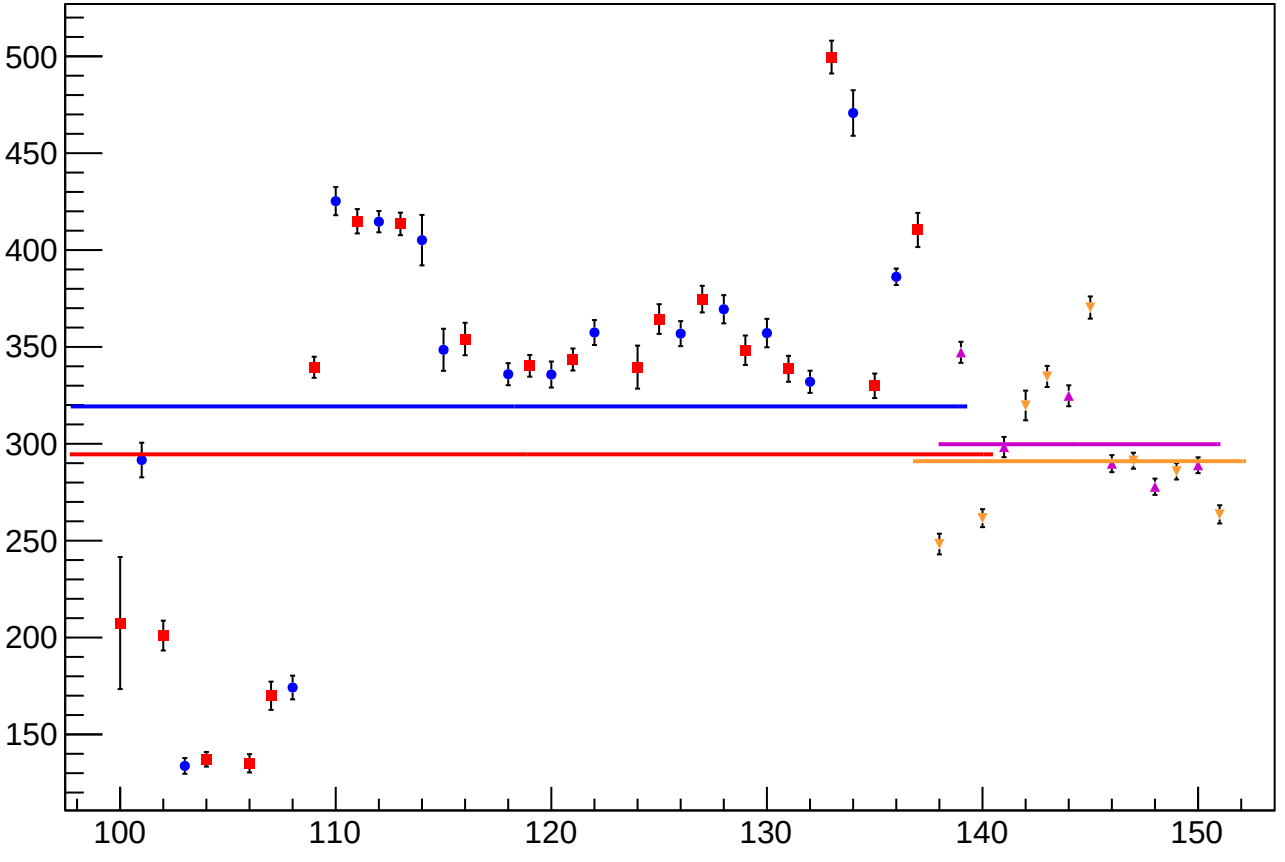
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 17.463+/-0.951 χ^2/NDF:138.8/21

Out: 18.262+/-0.872 χ^2/NDF:258.2/26

All: 17.897+/-0.643 χ^2/NDF: 397.4/48

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 291.034+/-1.761 χ^2/NDF:410.4/7

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 299.780+/-1.913 χ^2/NDF:137.4/5

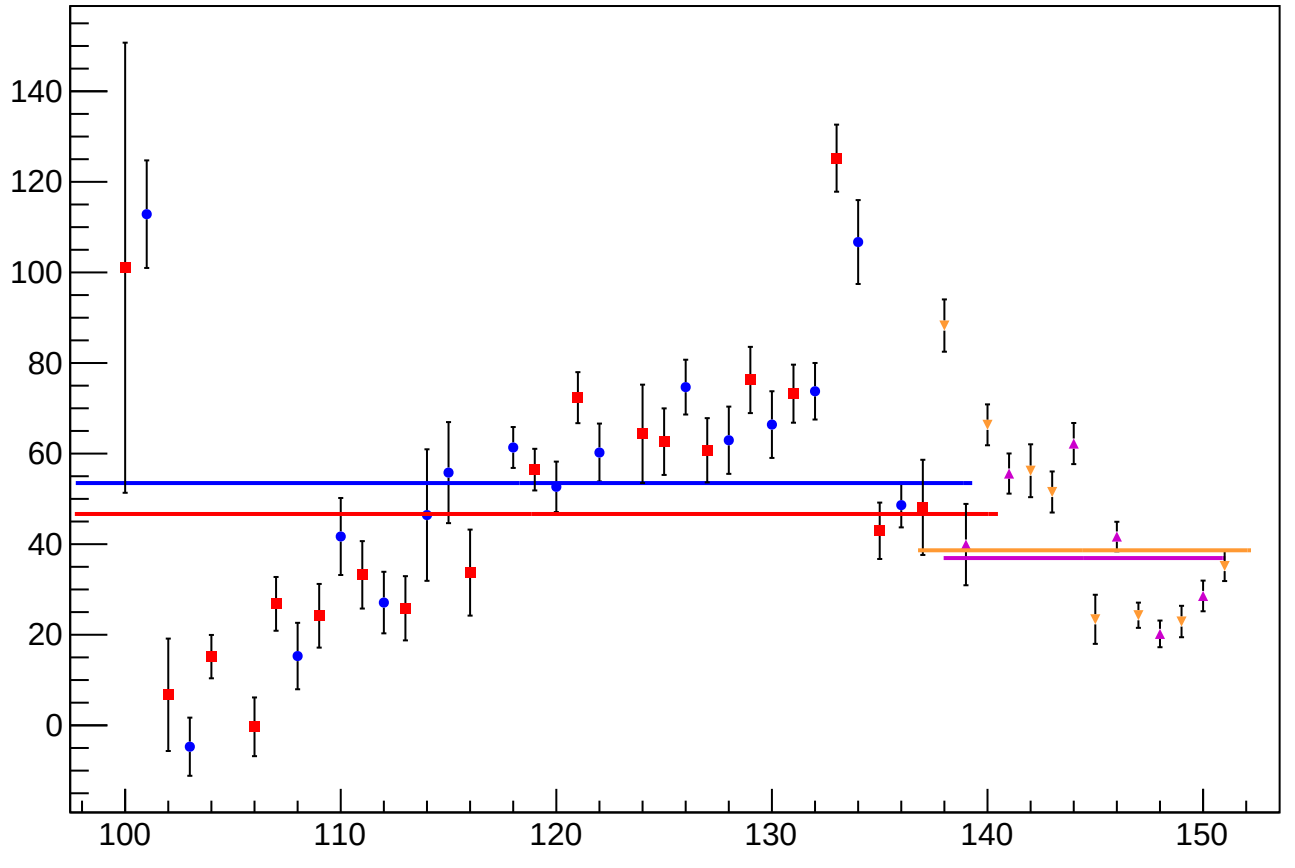
Left: 295.046+/-1.295 χ^2/NDF: 559.1/13

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 311.342+/-1.221 χ^2/NDF:3992.0/21

Out: 293.103+/-1.134 χ^2/NDF:5915.9/26

All: 301.547+/-0.831 χ^2/NDF: 10027.8/48



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 38.647+/-1.423 χ^2/NDF:184.6/7

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 36.932+/-1.564 χ^2/NDF:89.4/5

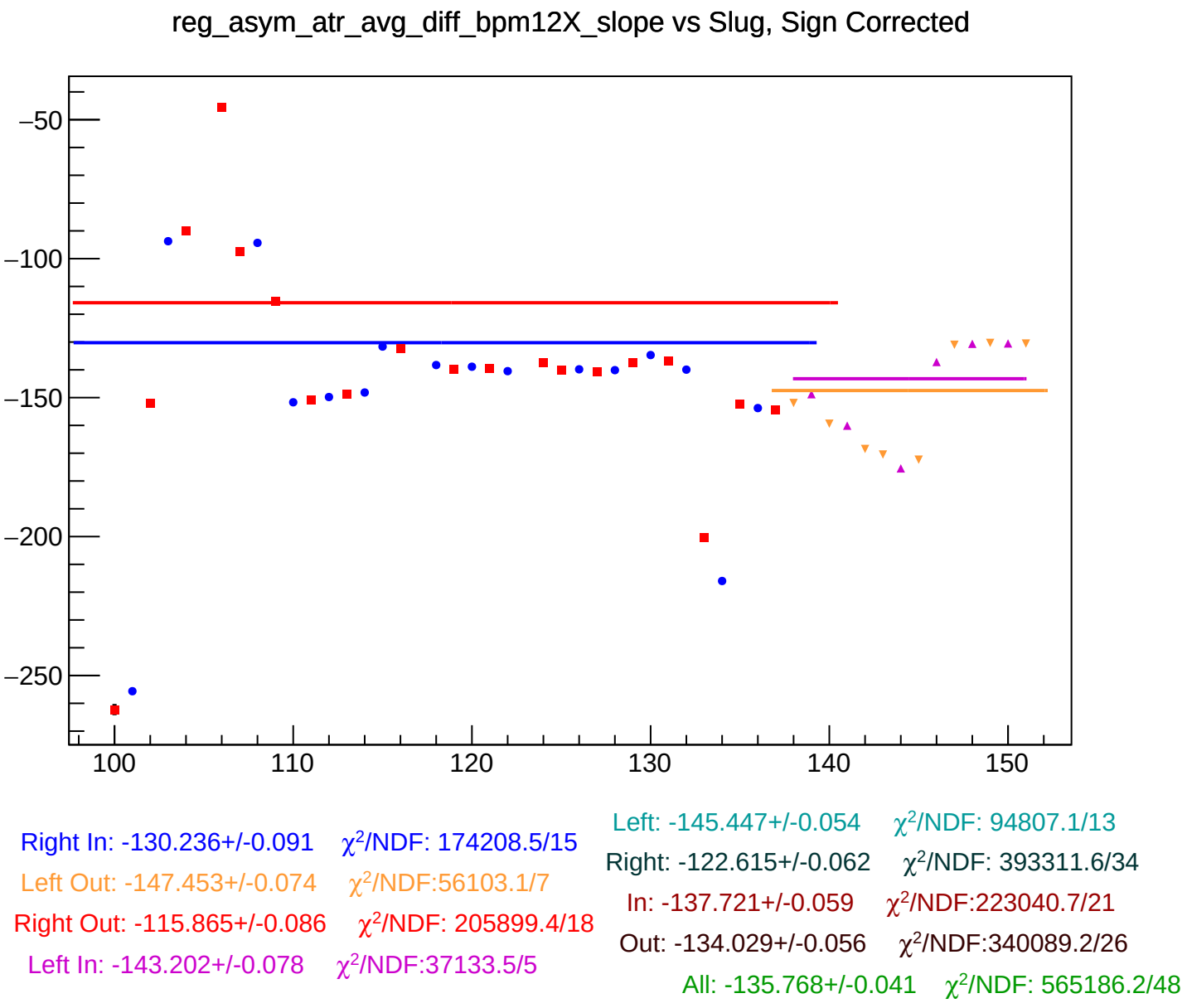
Left: 37.870+/-1.053 χ^2/NDF: 274.7/13

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

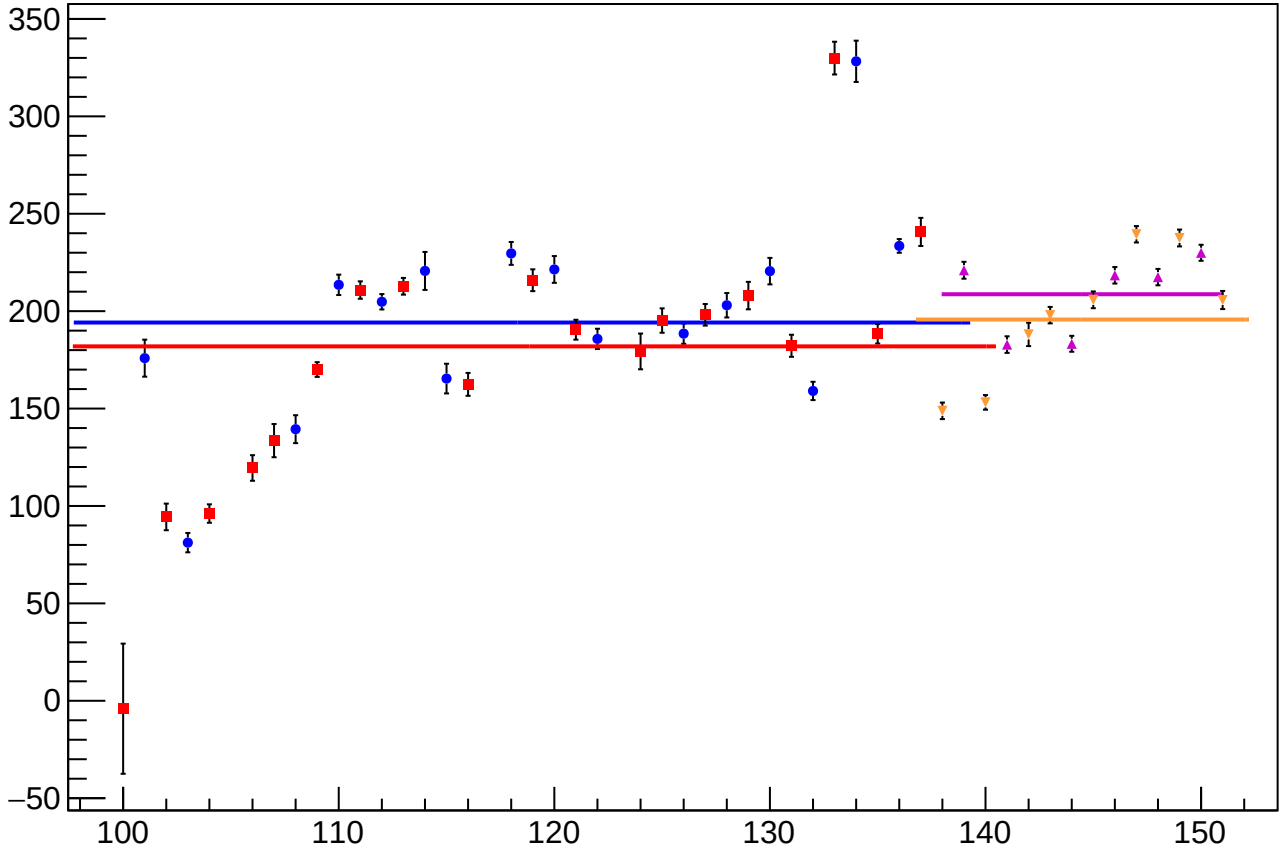
In: 44.532+/-1.151 χ^2/NDF:358.1/21

Out: 42.205+/-1.061 χ^2/NDF:524.4/26

All: 43.275+/-0.780 χ^2/NDF: 884.7/48


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -130.236+/-0.091 χ²/NDF: 174208.5/15
Left Out: -147.453+/-0.074 χ²/NDF:56103.1/7
Right Out: -115.865+/-0.086 χ²/NDF: 205899.4/18
Left In: -143.202+/-0.078 χ²/NDF:37133.5/5
Left: -145.447+/-0.054 χ²/NDF: 94807.1/13
Right: -122.615+/-0.062 χ²/NDF: 393311.6/34
In: -137.721+/-0.059 χ²/NDF:223040.7/21
Out: -134.029+/-0.056 χ²/NDF:340089.2/26
All: -135.768+/-0.041 χ²/NDF: 565186.2/48

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 195.700+/-1.541 χ^2/NDF:464.6/7

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 208.690+/-1.716 χ^2/NDF:120.1/5

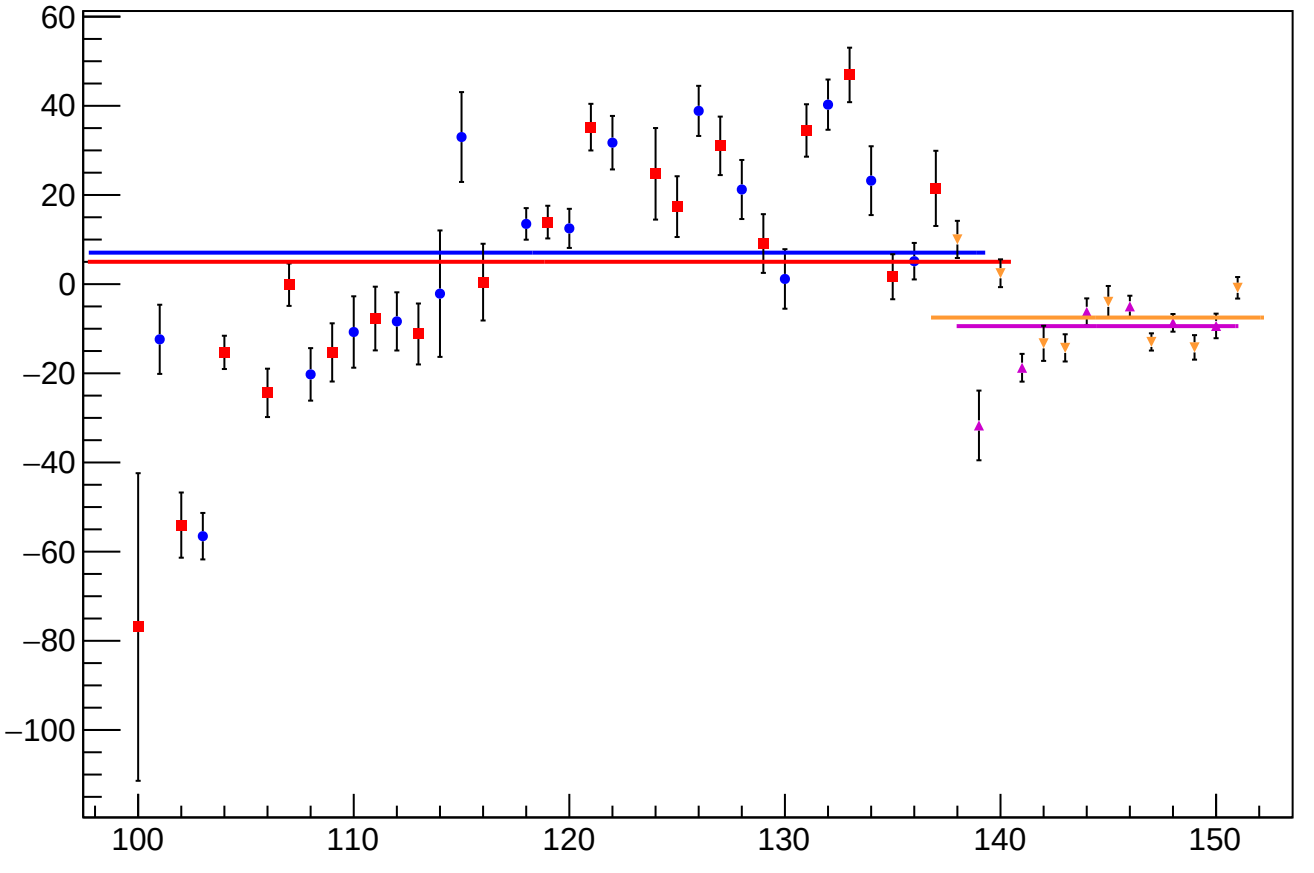
Left: 201.499+/-1.147 χ^2/NDF: 616.4/13

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 200.001+/-1.088 χ^2/NDF:1198.1/21

Out: 187.765+/-1.003 χ^2/NDF:1715.5/26

All: 193.389+/-0.738 χ^2/NDF: 2981.9/48



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -7.492+/-1.009 χ^2/NDF:57.5/7

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -9.417+/-1.124 χ^2/NDF:21.9/5

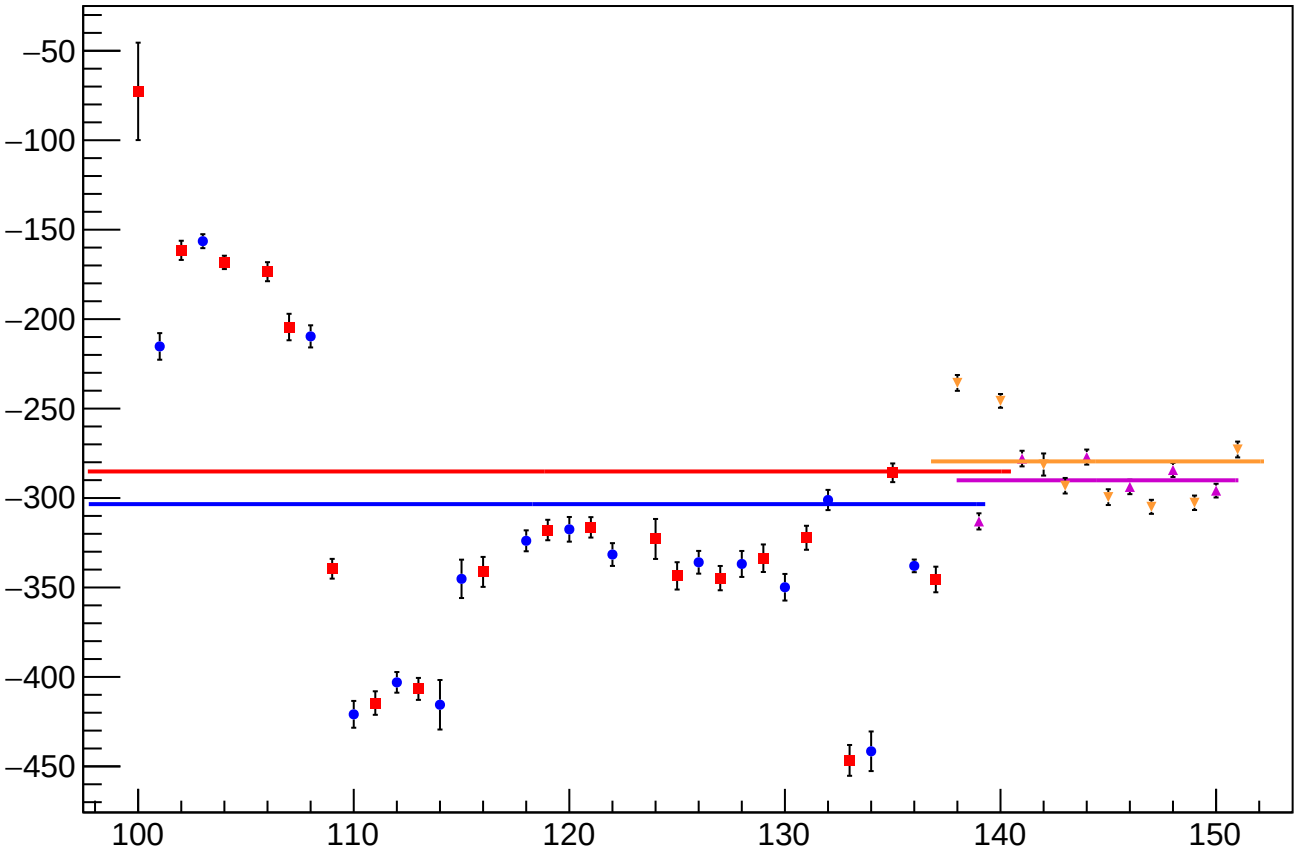
Left: -8.351+/-0.751 χ^2/NDF: 81.0/13

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -3.194+/-0.886 χ^2/NDF:395.7/21

Out: -3.029+/-0.809 χ^2/NDF:400.8/26

All: -3.104+/-0.598 χ^2/NDF: 796.5/48



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -279.521+/-1.532 χ^2/NDF:282.6/7

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -290.086+/-1.688 χ^2/NDF:48.3/5

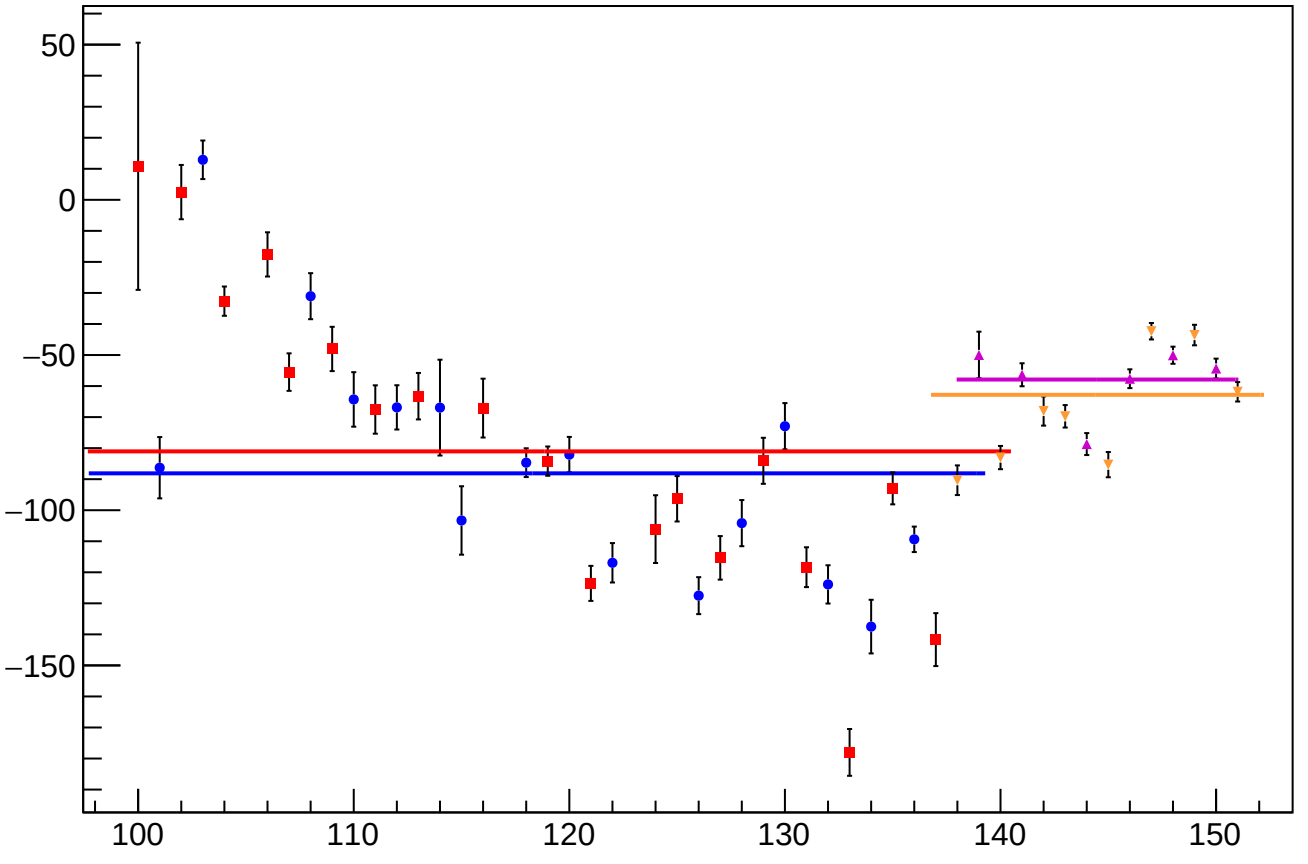
Left: -284.290+/-1.134 χ^2/NDF: 352.4/13

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -297.401+/-1.134 χ^2/NDF:2868.0/21

Out: -282.486+/-1.053 χ^2/NDF:4044.6/26

All: -289.396+/-0.772 χ^2/NDF: 7005.4/48



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -62.824+/-1.258 χ^2/NDF:191.3/7

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -57.900+/-1.401 χ^2/NDF:45.1/5

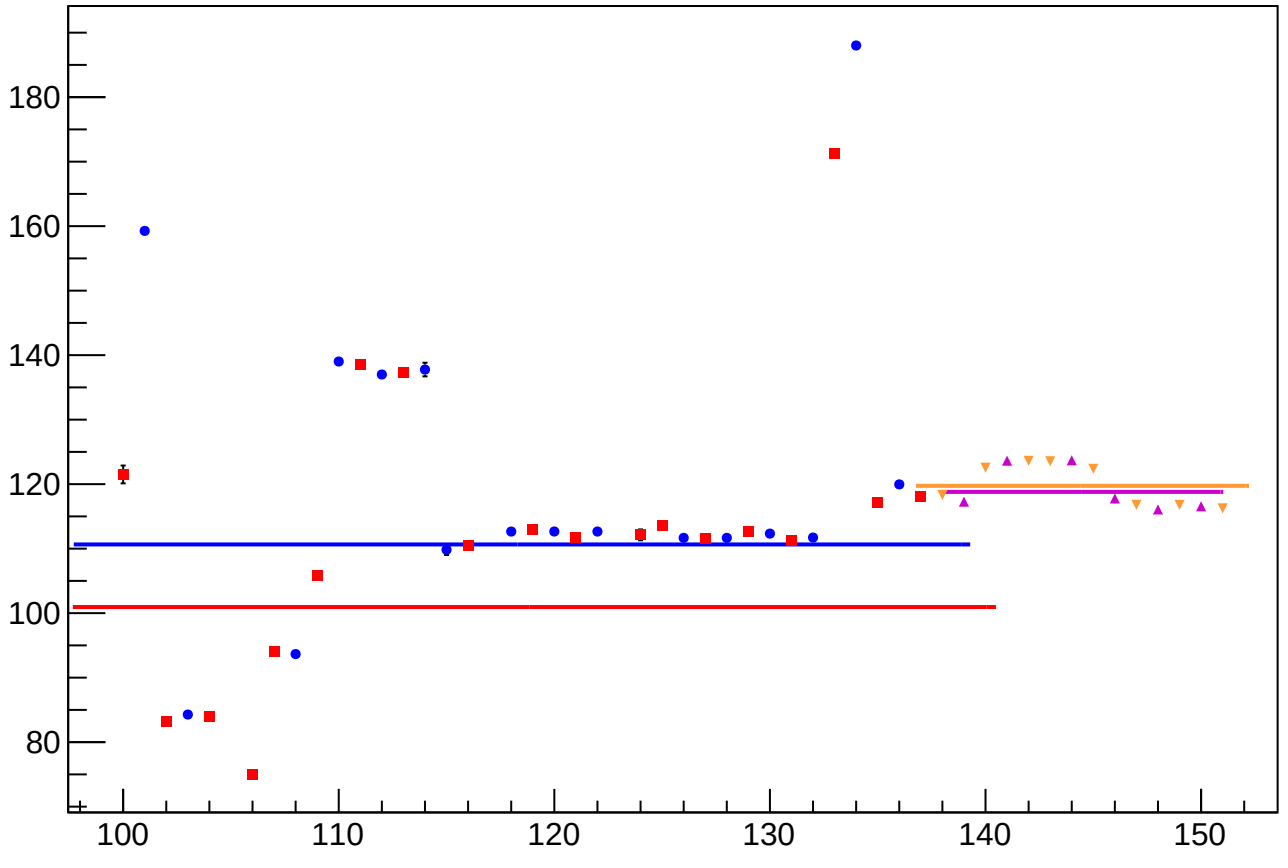
Left: -60.627+/-0.936 χ^2/NDF: 243.3/13

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -70.516+/-1.069 χ^2/NDF:751.3/21

Out: -69.952+/-0.981 χ^2/NDF:951.0/26

All: -70.210+/-0.723 χ^2/NDF: 1702.4/48



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.738+/-0.064 χ^2/NDF:2222.5/7

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 118.798+/-0.069 χ^2/NDF:2030.0/5

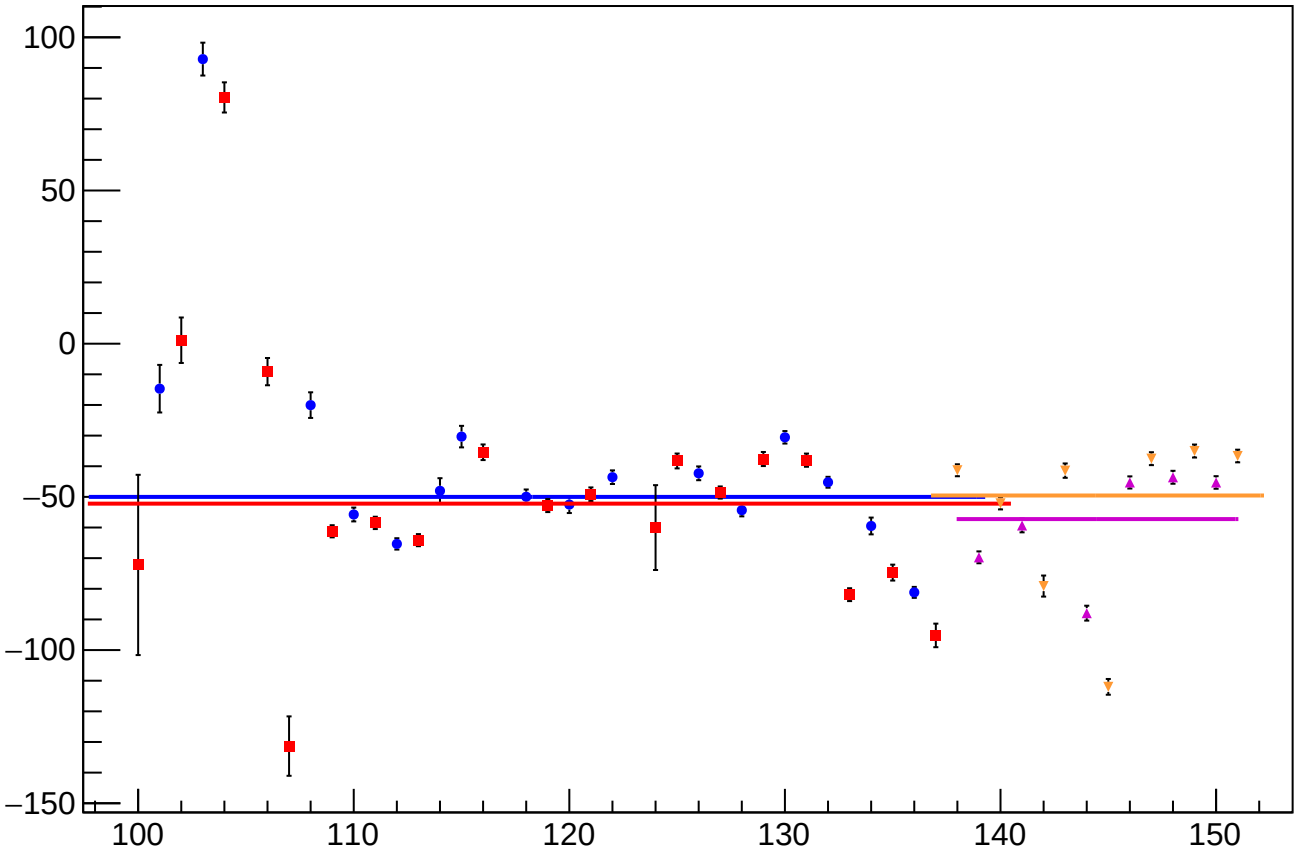
Left: 119.302+/-0.047 χ^2/NDF: 4352.5/13

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.610+/-0.054 χ^2/NDF:91037.7/21

Out: 112.519+/-0.050 χ^2/NDF:97380.2/26

All: 113.961+/-0.037 χ^2/NDF: 190187.3/48



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -49.549+/-0.787 χ^2/NDF:813.0/7

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -57.246+/-0.861 χ^2/NDF:313.4/5

Left: -53.053+/-0.581 χ^2/NDF: 1170.0/13

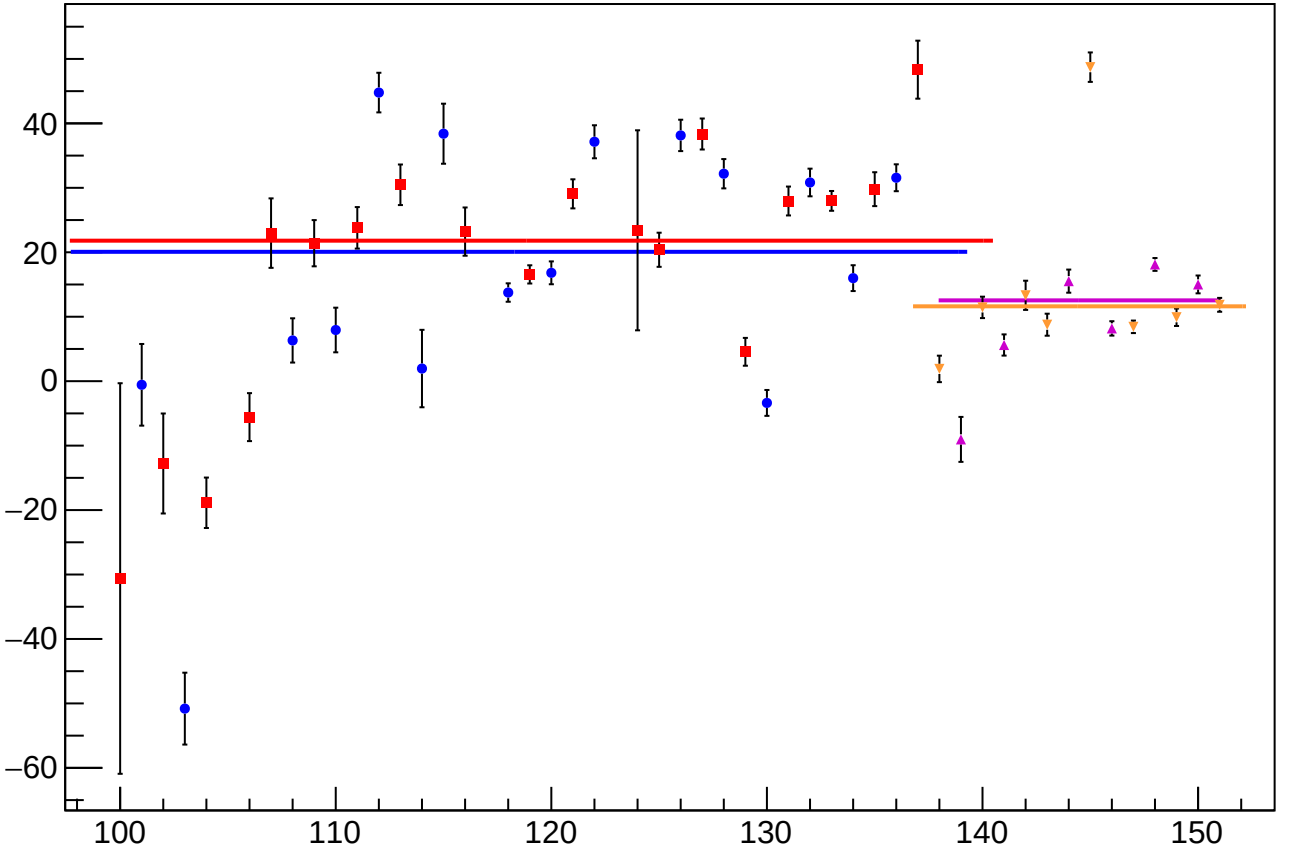
Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -52.426+/-0.498 χ^2/NDF:1687.9/21

Out: -51.220+/-0.480 χ^2/NDF:2390.5/26

All: -51.801+/-0.345 χ^2/NDF: 4081.4/48

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 11.613+/-0.513 χ^2/NDF:301.7/7

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 12.539+/-0.569 χ^2/NDF:108.4/5

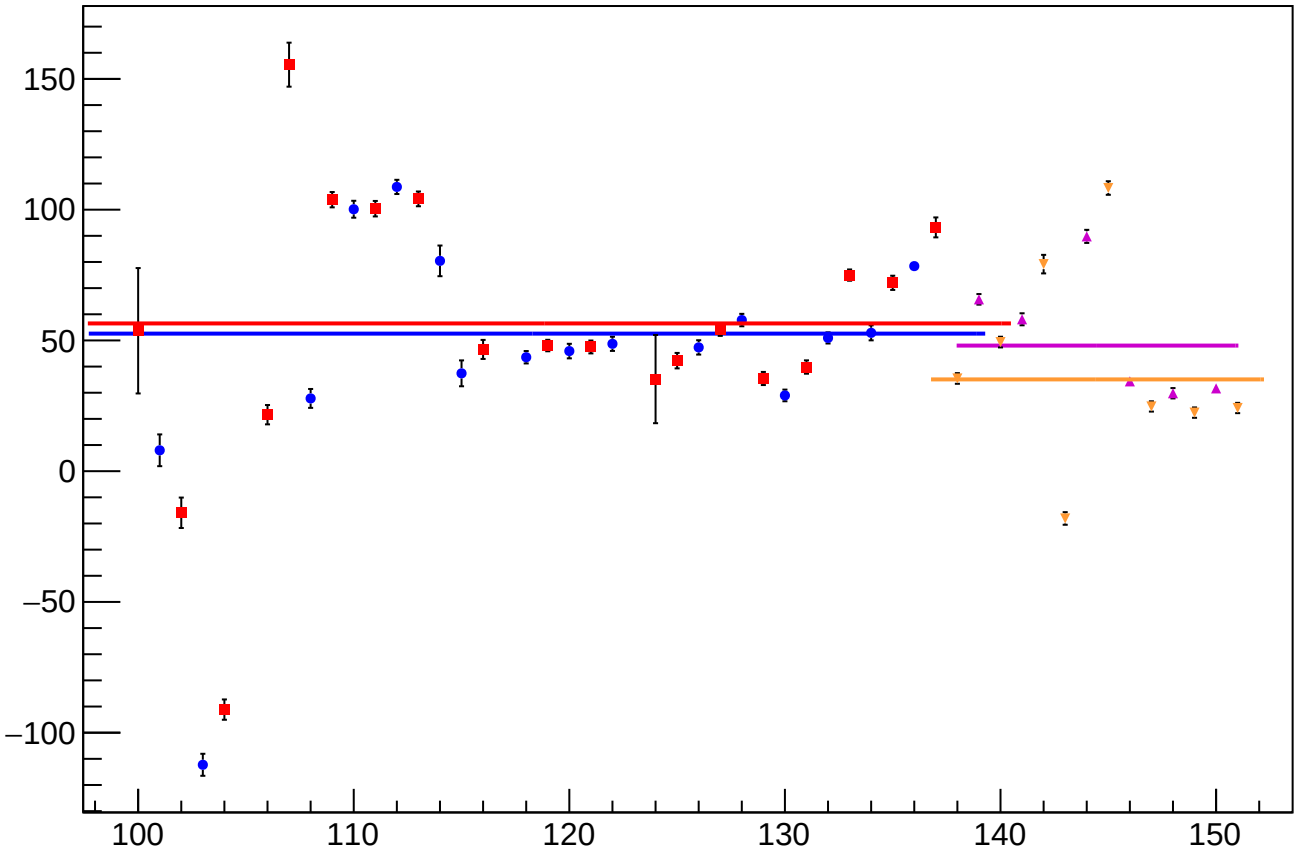
Left: 12.029+/-0.381 χ^2/NDF: 411.5/13

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 16.029+/-0.417 χ^2/NDF:825.9/21

Out: 15.739+/-0.396 χ^2/NDF:857.6/26

All: 15.877+/-0.287 χ^2/NDF: 1683.8/48



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 35.094+/-0.779 χ^2/NDF:1584.3/7

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 48.028+/-0.846 χ^2/NDF:583.1/5

Left: 41.024+/-0.573 χ^2/NDF: 2293.9/13

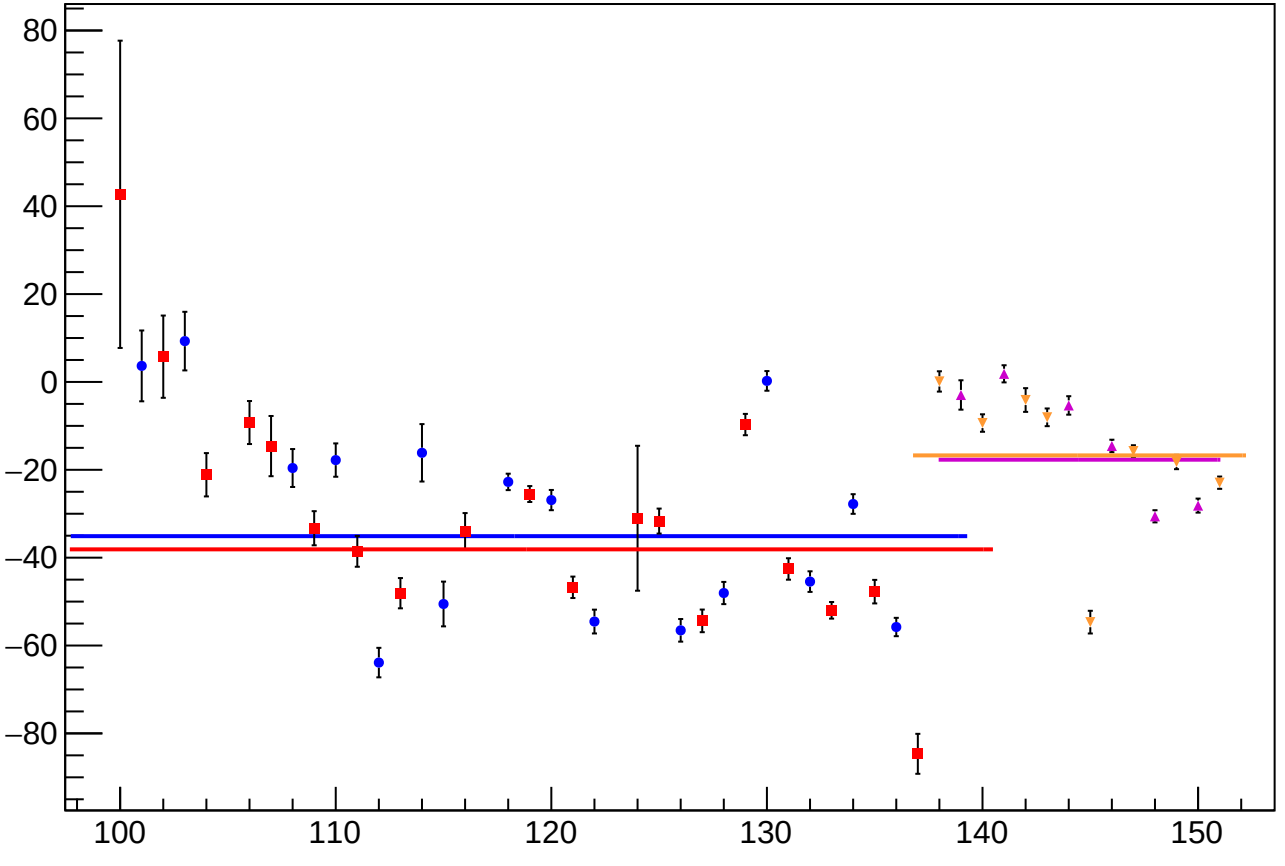
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 50.757+/-0.538 χ^2/NDF:3259.9/21

Out: 46.849+/-0.523 χ^2/NDF:4964.9/26

All: 48.748+/-0.375 χ^2/NDF: 8252.0/48

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -16.720+/-0.642 χ^2/NDF:344.0/7

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -17.698+/-0.710 χ^2/NDF:288.1/5

Left: -17.160+/-0.476 χ^2/NDF: 633.1/13

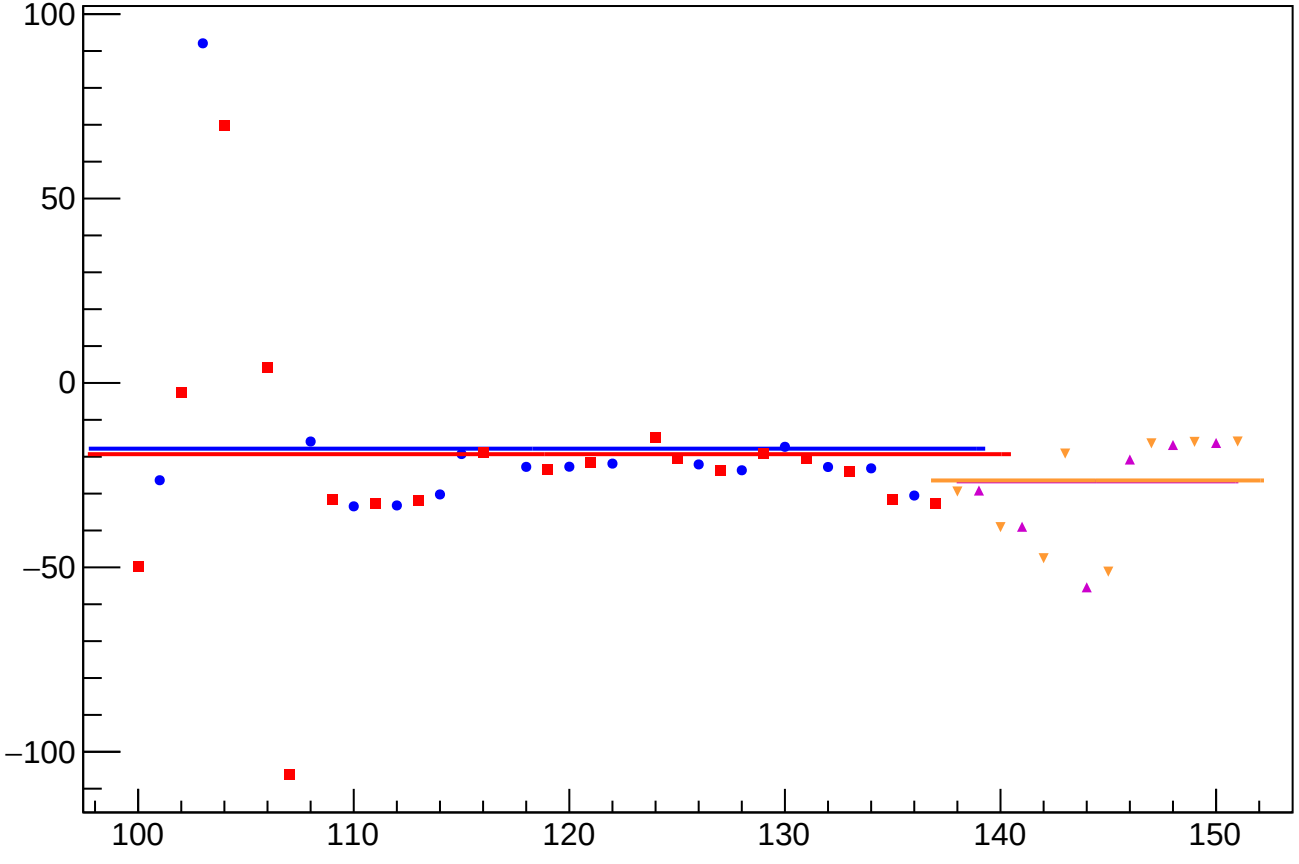
Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -26.523+/-0.498 χ^2/NDF:1366.0/21

Out: -26.285+/-0.477 χ^2/NDF:1354.9/26

All: -26.399+/-0.345 χ^2/NDF: 2721.0/48

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -26.437+/-0.032 χ^2/NDF:153721.3/7

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -26.679+/-0.034 χ^2/NDF:122178.9/5

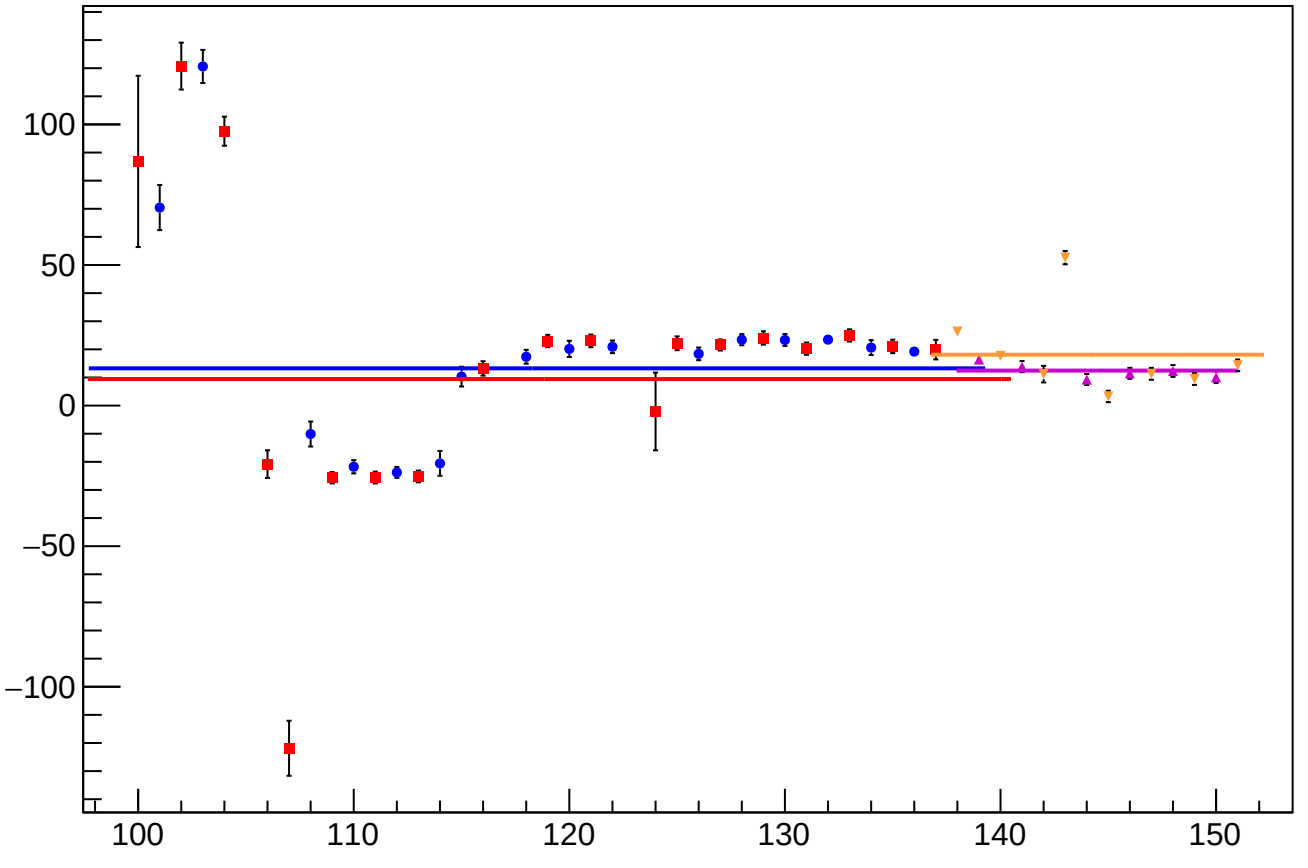
Left: -26.551+/-0.023 χ^2/NDF: 275926.9/13

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -23.274+/-0.027 χ^2/NDF:574162.0/21

Out: -24.100+/-0.026 χ^2/NDF:514415.5/26

All: -23.693+/-0.019 χ^2/NDF: 1089059.2/48



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 18.094+/-0.735 χ^2/NDF:323.8/7

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 12.453+/-0.797 χ^2/NDF:9.9/5

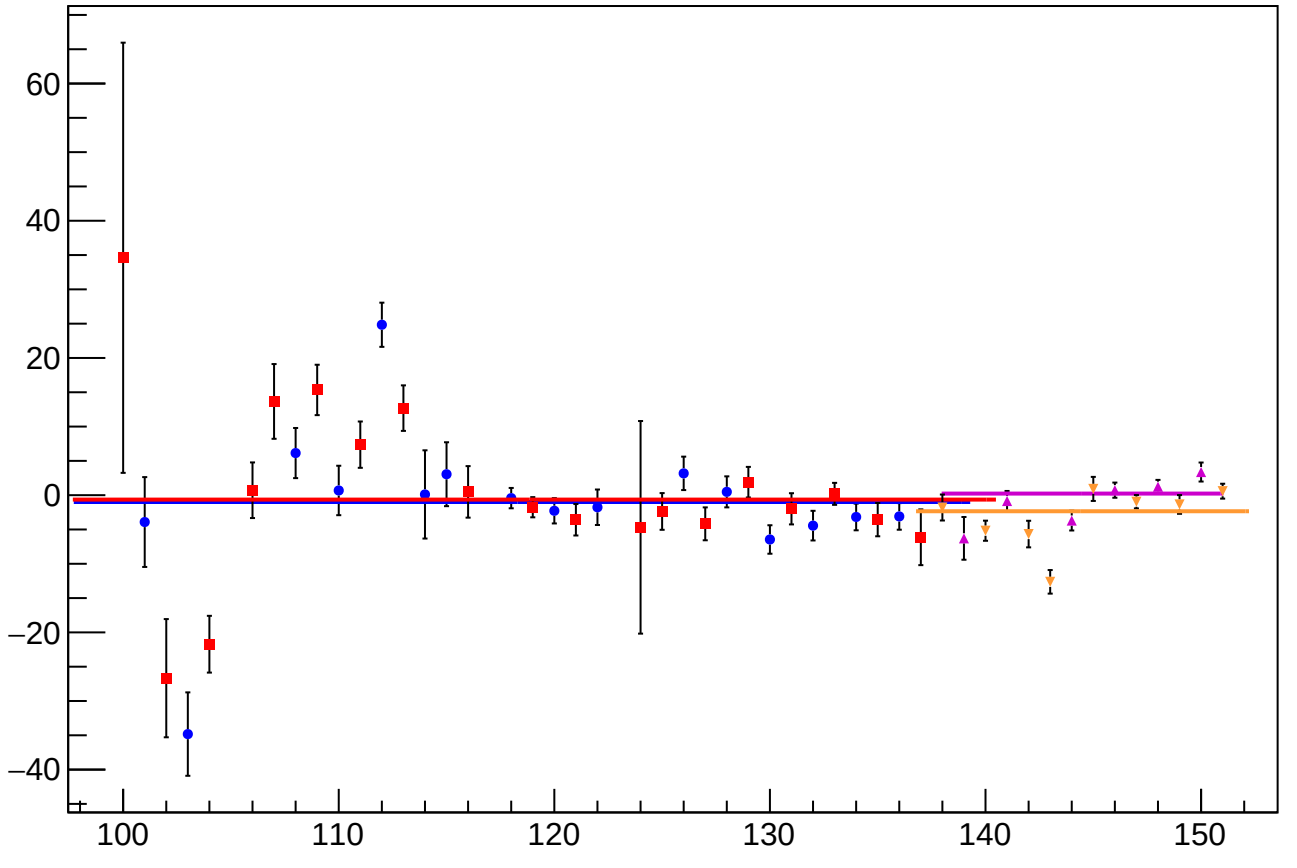
Left: 15.501+/-0.540 χ^2/NDF: 360.8/13

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.953+/-0.487 χ^2/NDF:1193.0/21

Out: 13.011+/-0.472 χ^2/NDF:2241.8/26

All: 12.983+/-0.339 χ^2/NDF: 3434.8/48



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.343+/-0.493 χ^2/NDF:55.9/7

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: 0.232+/-0.543 χ^2/NDF:18.7/5

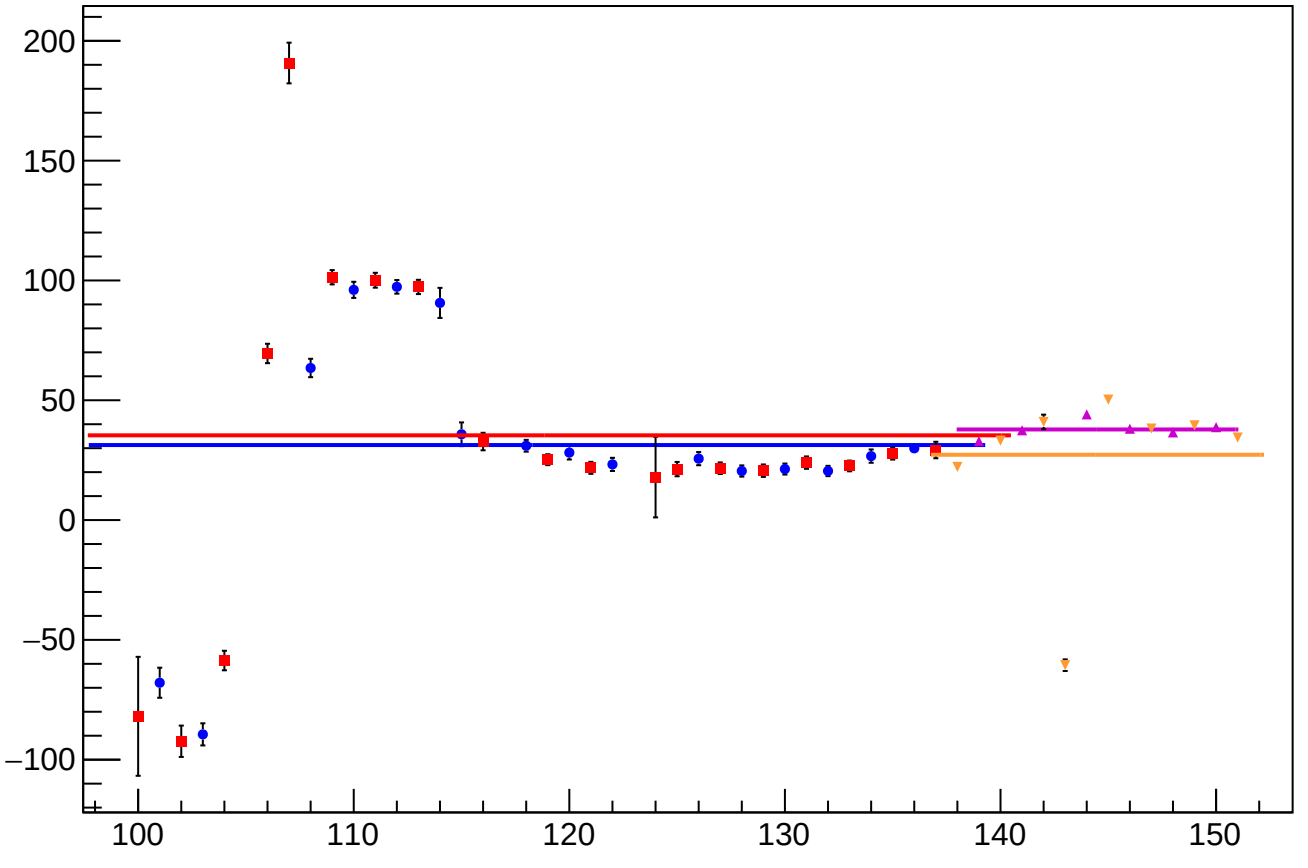
Left: -1.178+/-0.365 χ^2/NDF: 86.9/13

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.300+/-0.408 χ^2/NDF:137.3/21

Out: -1.705+/-0.390 χ^2/NDF:154.6/26

All: -1.035+/-0.282 χ^2/NDF: 298.0/48



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 27.258+/-0.731 χ^2/NDF:1552.8/7

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 37.814+/-0.788 χ^2/NDF:17.8/5

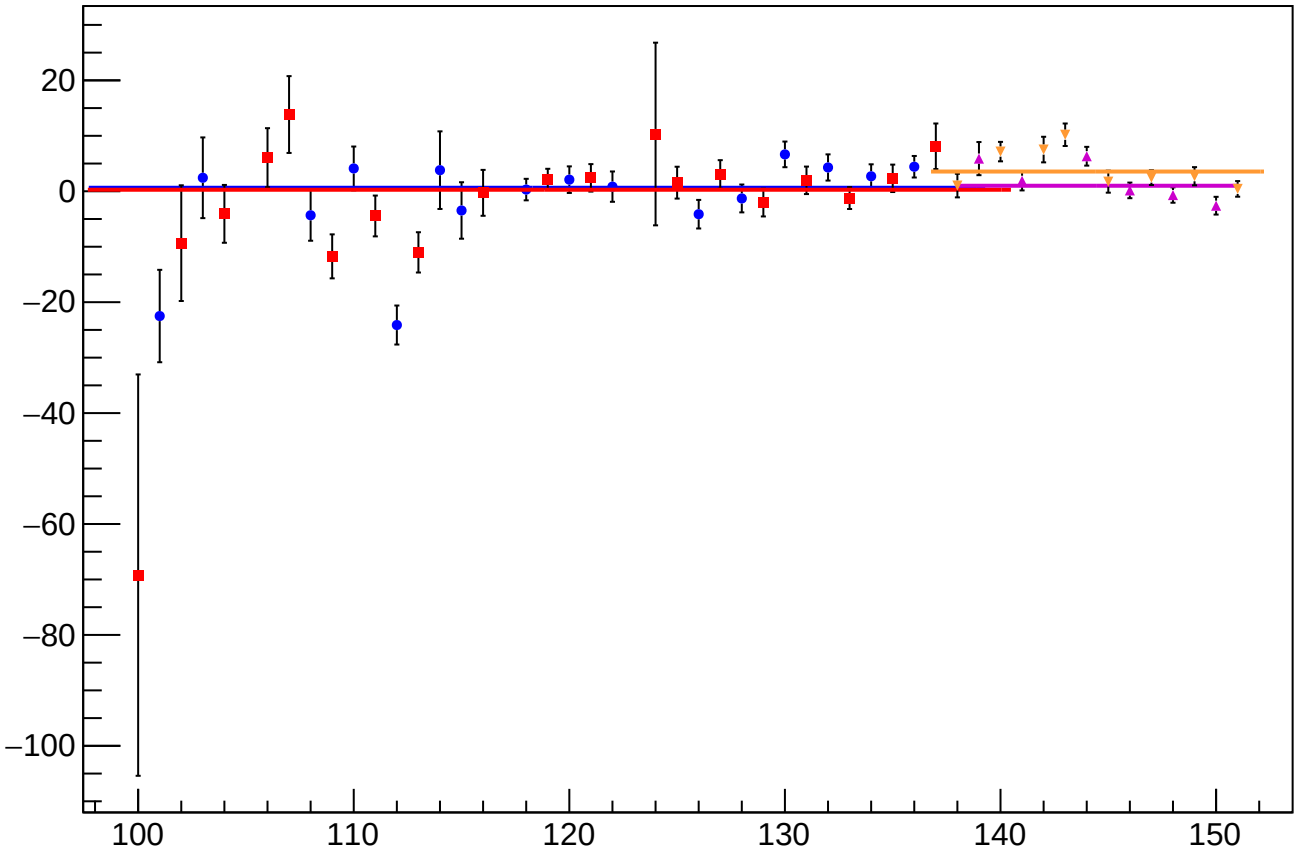
Left: 32.141+/-0.536 χ^2/NDF: 1667.0/13

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.179+/-0.523 χ^2/NDF:2141.8/21

Out: 31.391+/-0.512 χ^2/NDF:4513.1/26

All: 32.754+/-0.366 χ^2/NDF: 6669.4/48



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.559+/-0.612 χ^2/NDF:26.0/7

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 0.995+/-0.672 χ^2/NDF:19.7/5

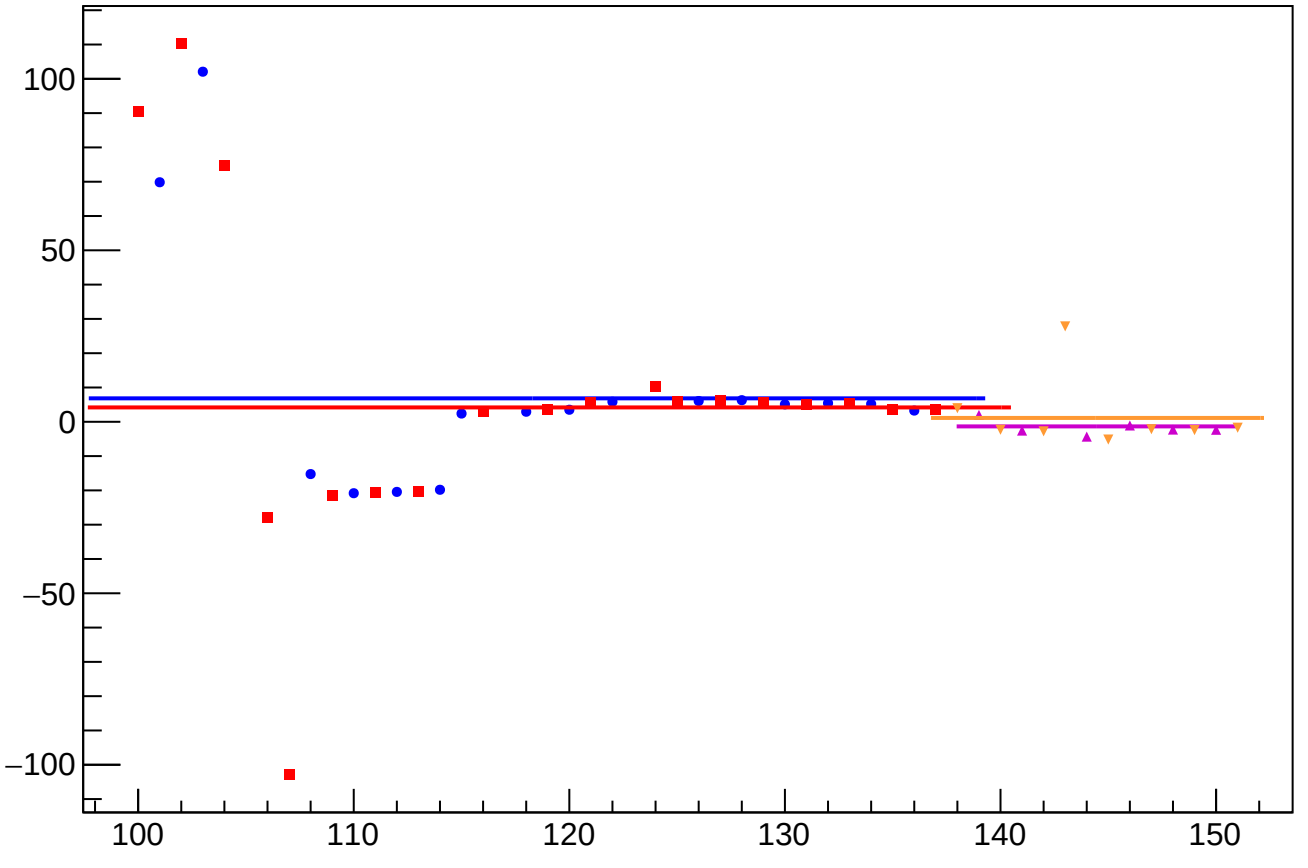
Left: 2.397+/-0.453 χ^2/NDF: 53.6/13

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 0.822+/-0.486 χ^2/NDF:98.3/21

Out: 2.194+/-0.468 χ^2/NDF:78.4/26

All: 1.535+/-0.337 χ^2/NDF: 180.8/48



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 1.126+/-0.030 χ^2/NDF:85023.9/7

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.342+/-0.032 χ^2/NDF:4324.2/5

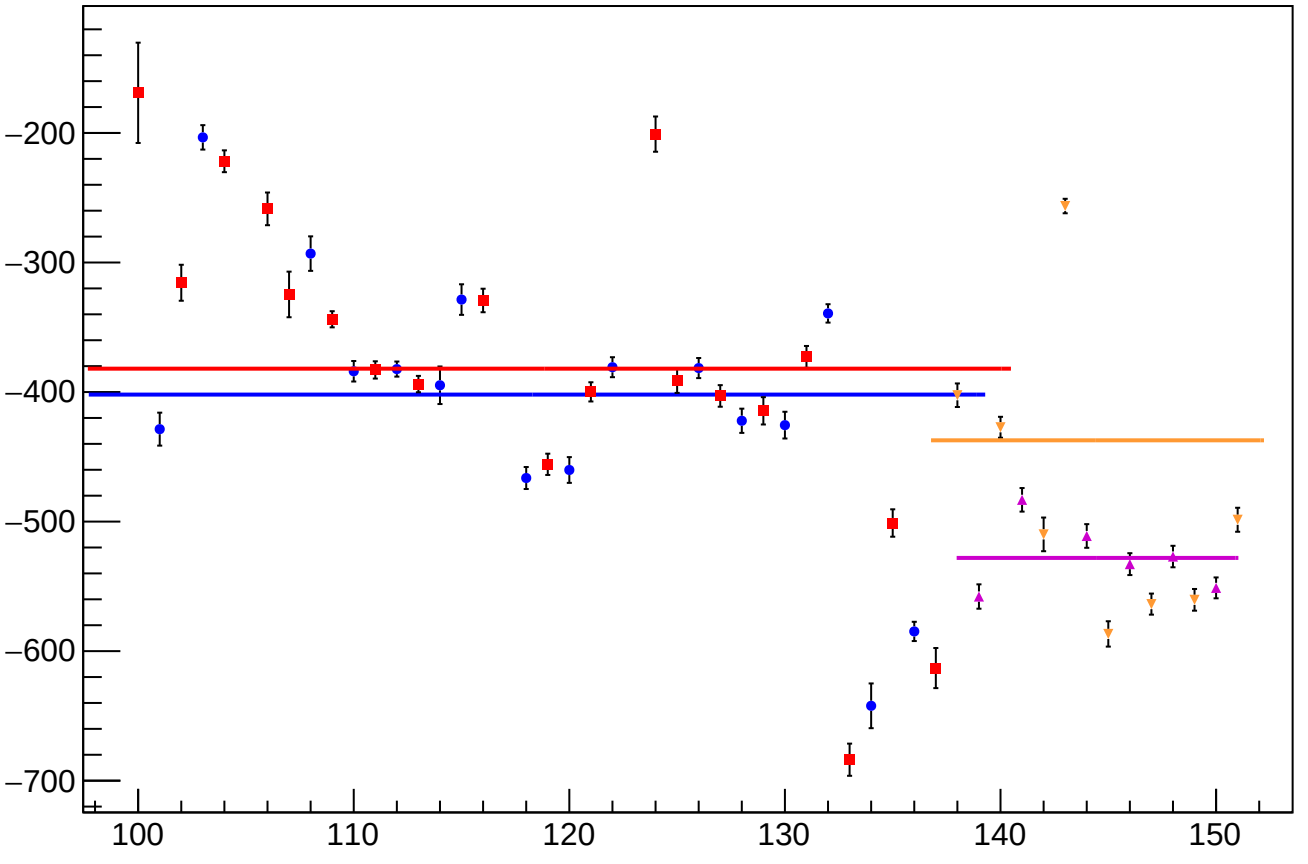
Left: -0.042+/-0.022 χ^2/NDF: 92514.8/13

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 1.566+/-0.026 χ^2/NDF:348769.5/21

Out: 2.039+/-0.025 χ^2/NDF:522646.8/26

All: 1.805+/-0.018 χ^2/NDF: 871589.4/48



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -437.265+/-2.926 χ^2/NDF:1830.3/7

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -528.039+/-3.550 χ^2/NDF:46.4/5

Left: -473.974+/-2.258 χ^2/NDF: 2265.9/13

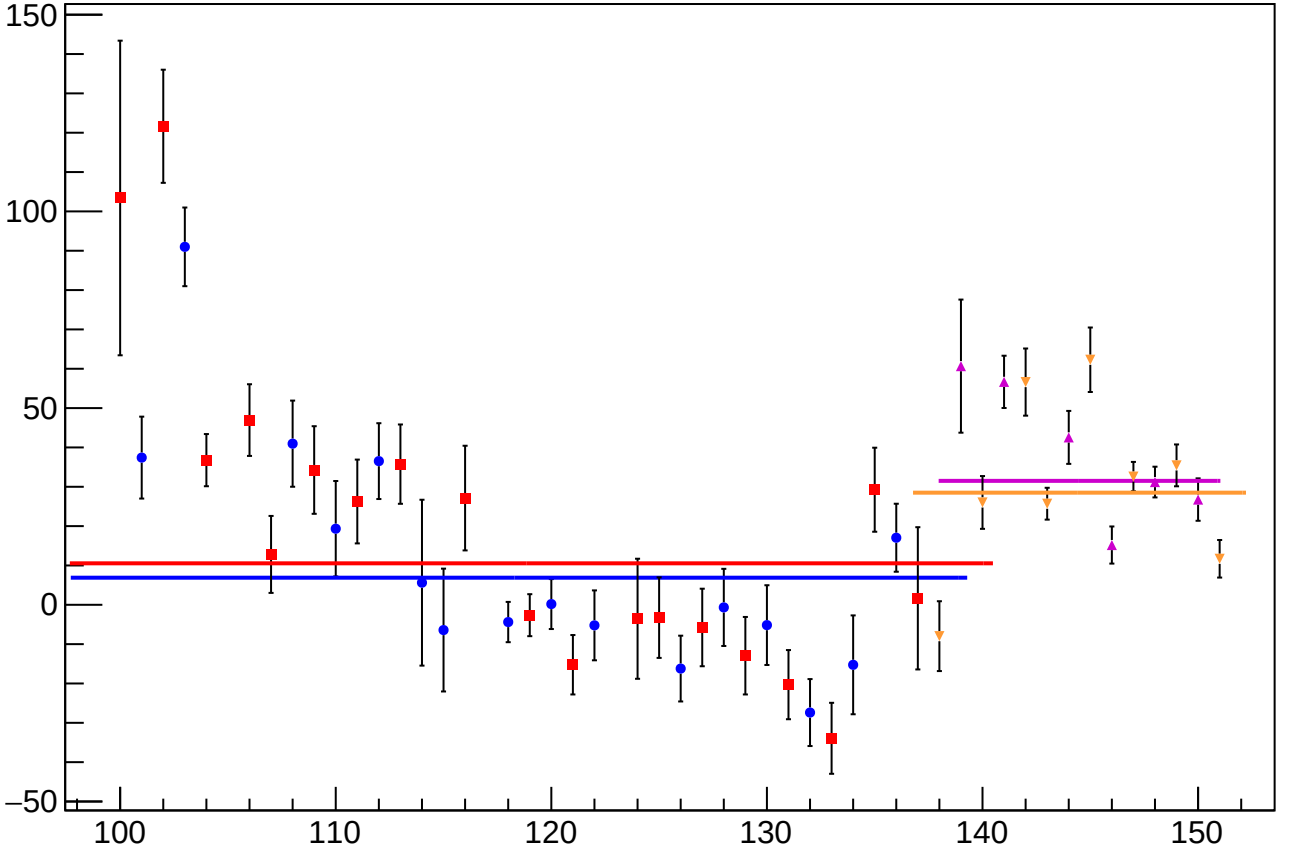
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -437.766+/-1.892 χ^2/NDF:2512.5/21

Out: -401.046+/-1.719 χ^2/NDF:3881.7/26

All: -417.650+/-1.272 χ^2/NDF: 6600.6/48

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: 28.504+/-1.905 χ^2/NDF:60.6/7

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 31.503+/-2.275 χ^2/NDF:32.8/5

Left: 29.740+/-1.461 χ^2/NDF: 94.4/13

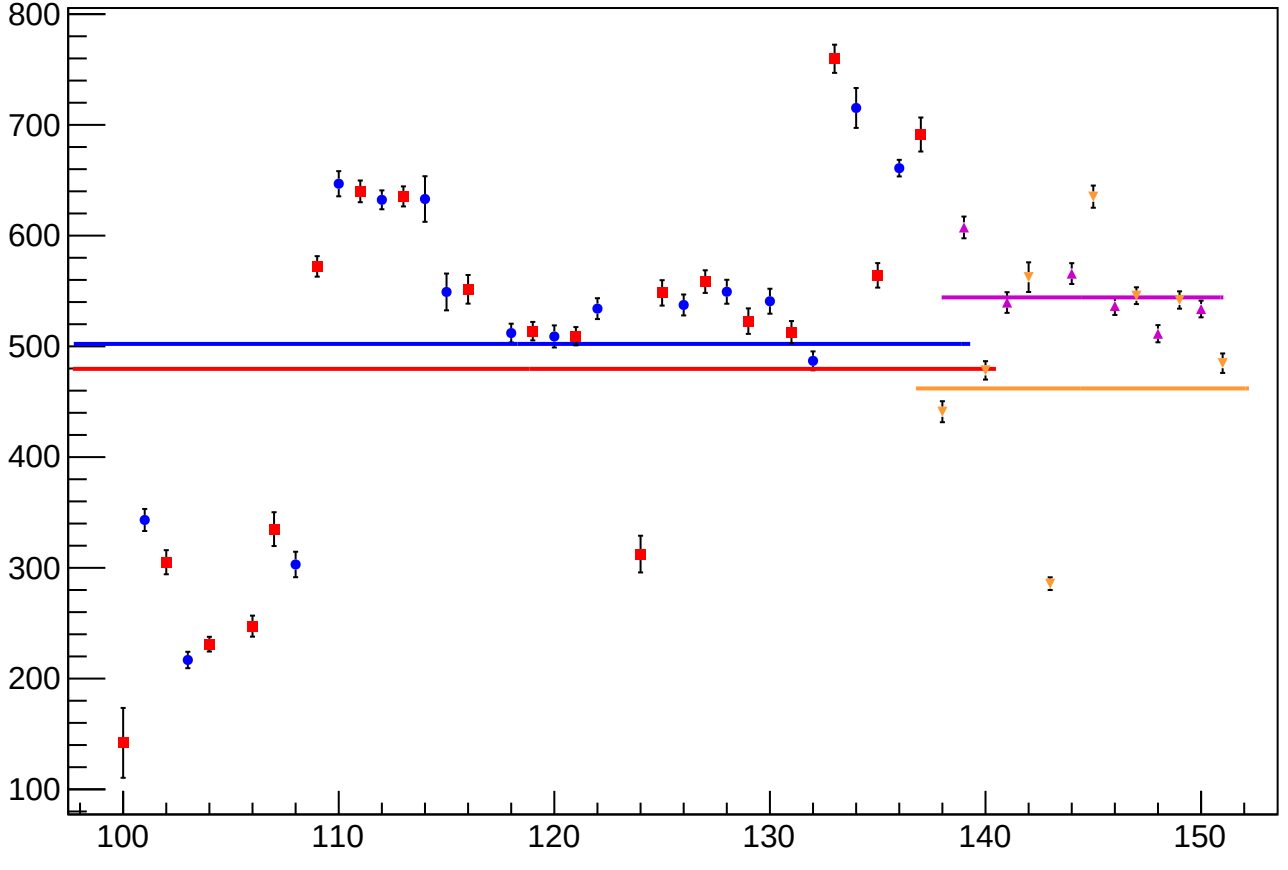
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 19.135+/-1.605 χ^2/NDF:230.0/21

Out: 20.794+/-1.439 χ^2/NDF:278.8/26

All: 20.055+/-1.072 χ^2/NDF: 509.4/48

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 462.001+/-2.910 χ^2/NDF:1538.4/7

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 544.199+/-3.476 χ^2/NDF:67.7/5

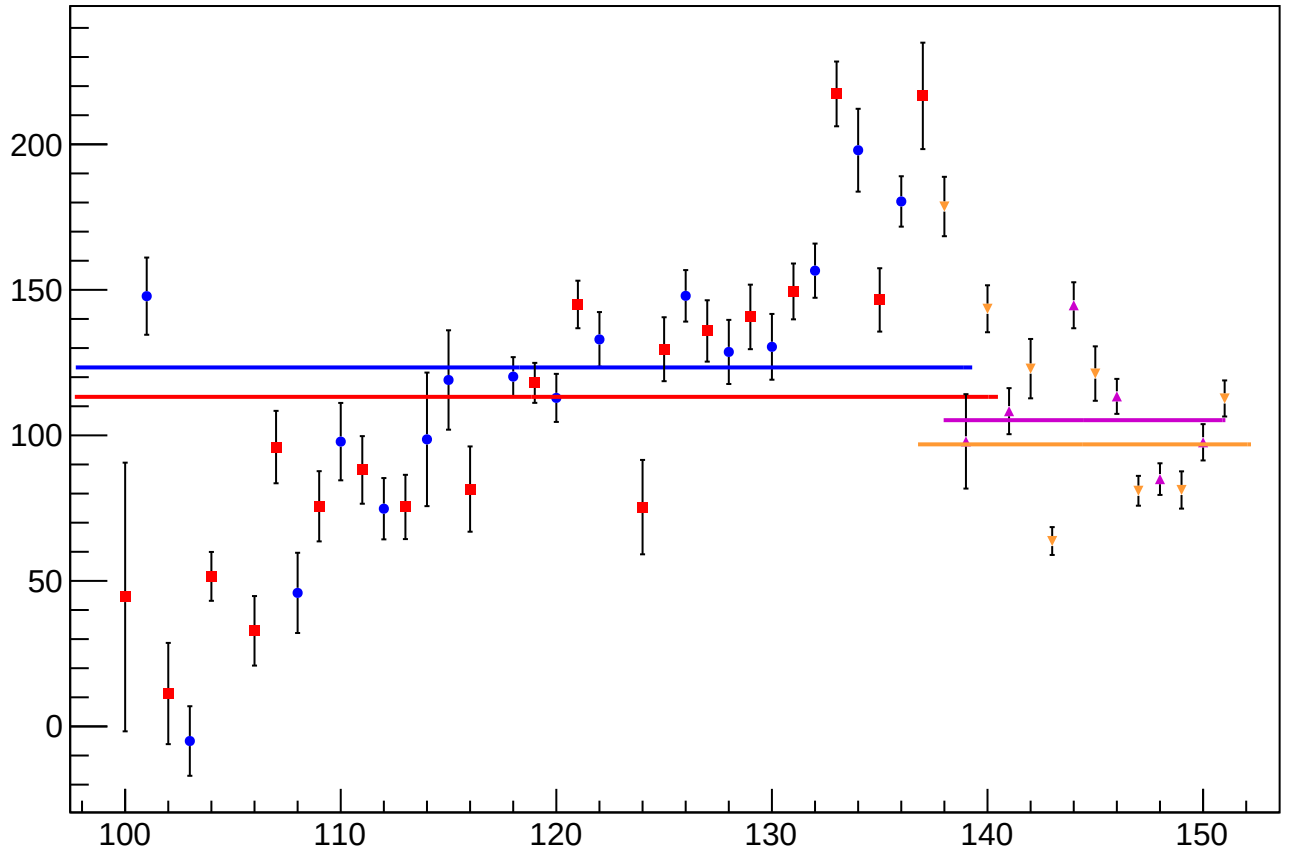
Left: 495.873+/-2.231 χ^2/NDF: 1934.9/13

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 516.473+/-2.026 χ^2/NDF:3299.2/21

Out: 472.525+/-1.851 χ^2/NDF:5698.9/26

All: 492.525+/-1.367 χ^2/NDF: 9254.6/48



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 96.911+/-2.370 χ^2/NDF:181.0/7

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 105.222+/-2.851 χ^2/NDF:42.6/5

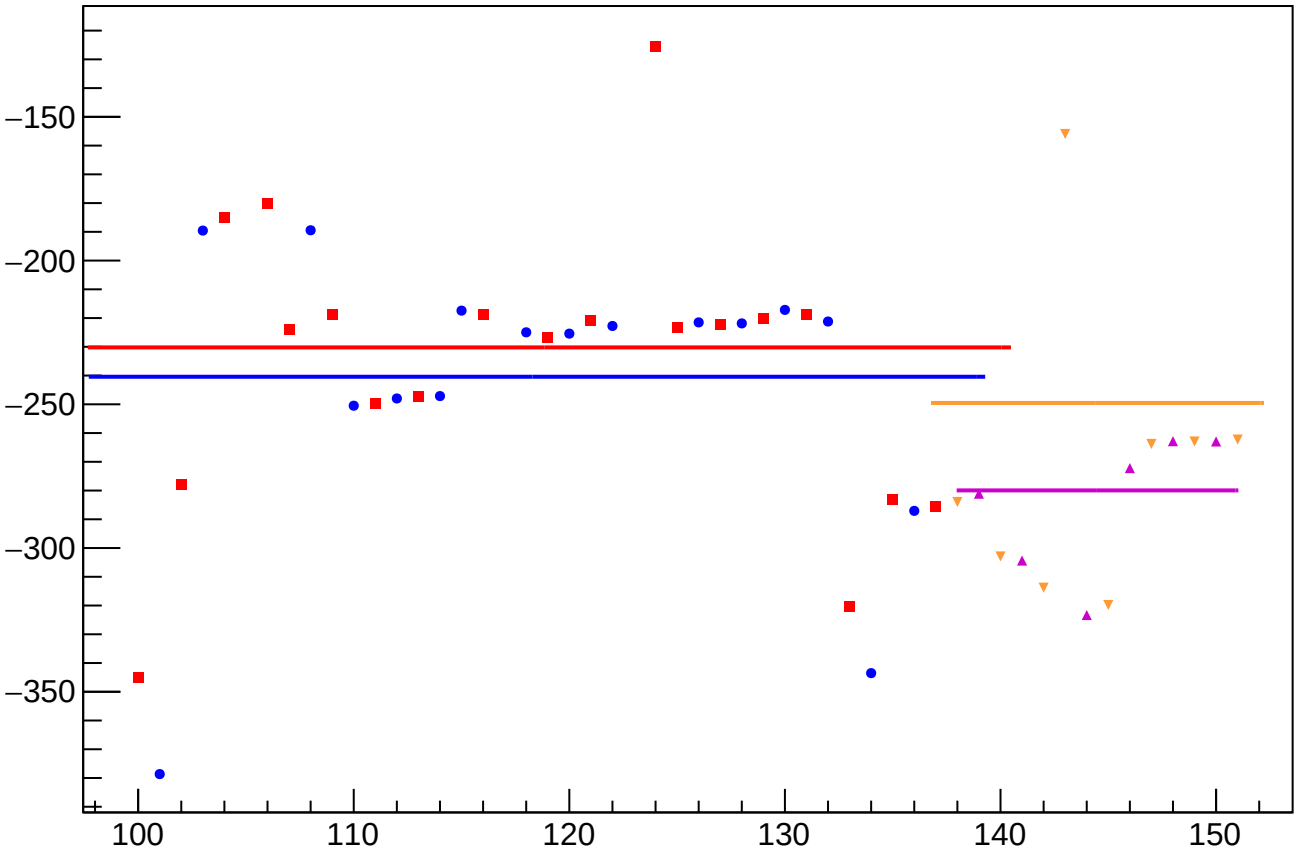
Left: 100.307+/-1.822 χ^2/NDF: 228.6/13

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 115.022+/-1.932 χ^2/NDF:335.8/21

Out: 104.492+/-1.734 χ^2/NDF:548.8/26

All: 109.191+/-1.291 χ^2/NDF: 901.0/48



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -249.528+/-0.122 χ^2/NDF:231504.1/7

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -279.950+/-0.142 χ^2/NDF:21236.1/5

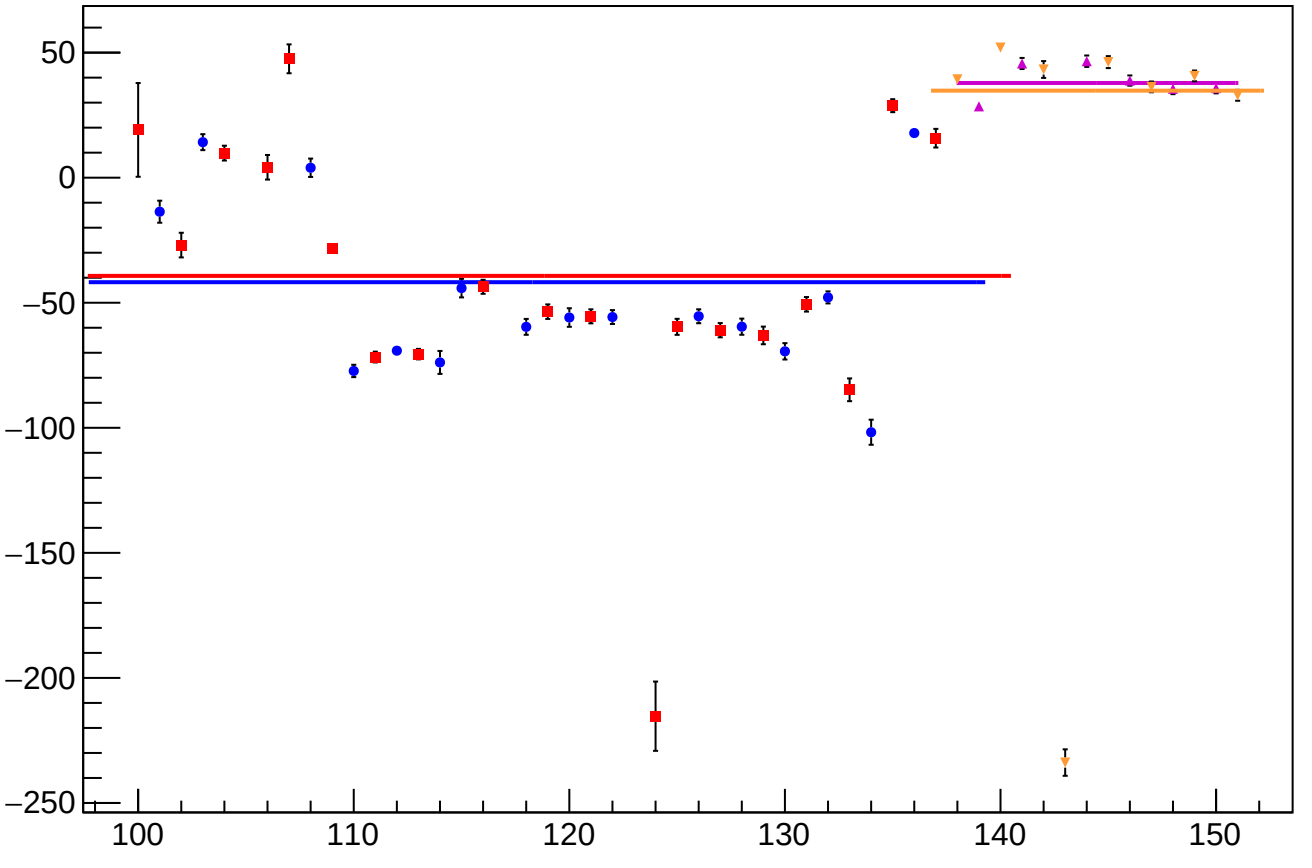
Left: -262.442+/-0.092 χ^2/NDF: 279237.2/13

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -261.374+/-0.103 χ^2/NDF:191925.9/21

Out: -241.634+/-0.094 χ^2/NDF:325223.3/26

All: -250.544+/-0.069 χ^2/NDF: 537209.3/48



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 34.792+/-0.826 χ^2/NDF:2699.3/7

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 37.864+/-0.862 χ^2/NDF:52.8/5

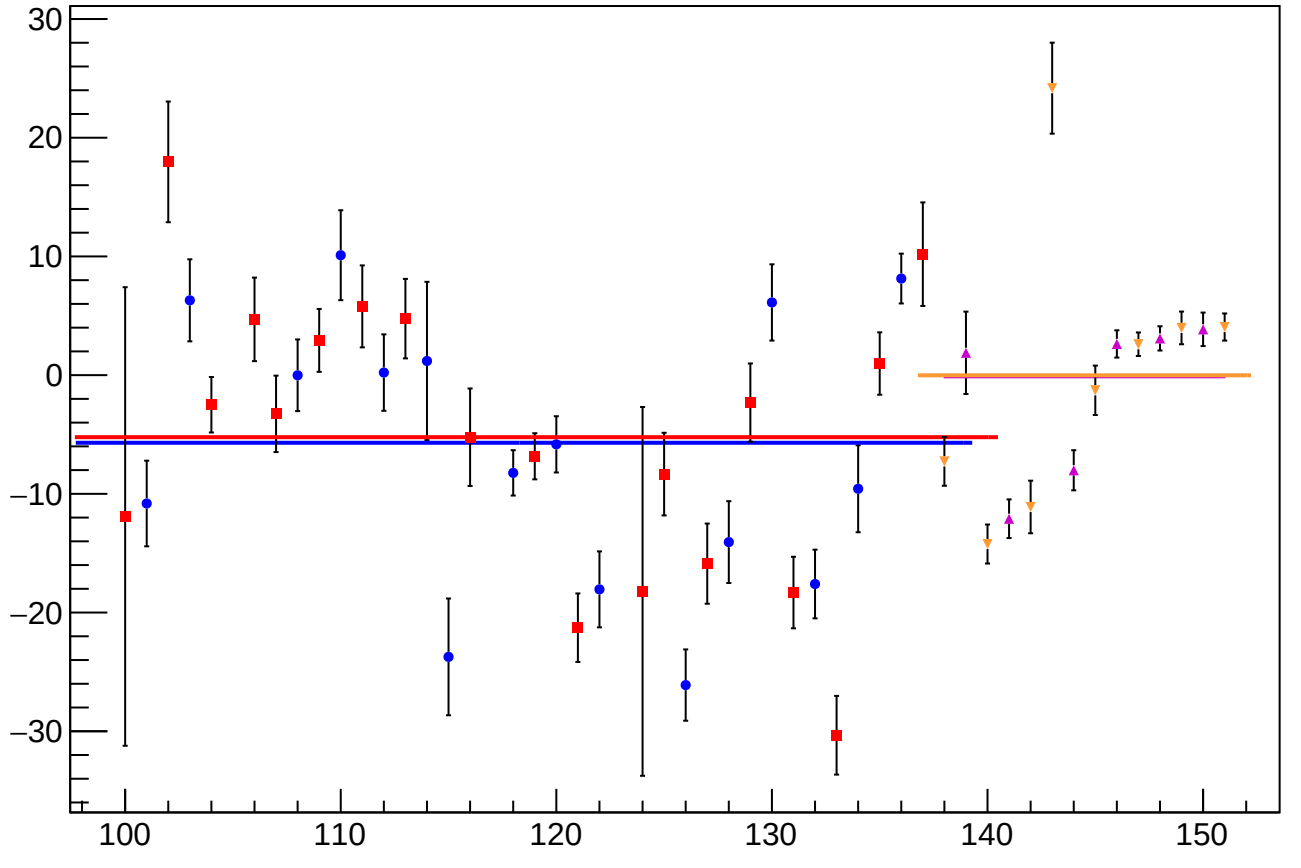
Left: 36.263+/-0.597 χ^2/NDF: 2758.7/13

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -8.886+/-0.554 χ^2/NDF:7469.9/21

Out: -9.387+/-0.525 χ^2/NDF:9967.5/26

All: -9.150+/-0.381 χ^2/NDF: 17437.9/48



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.015+/-0.540 χ^2/NDF:180.7/7

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -0.101+/-0.574 χ^2/NDF:99.9/5

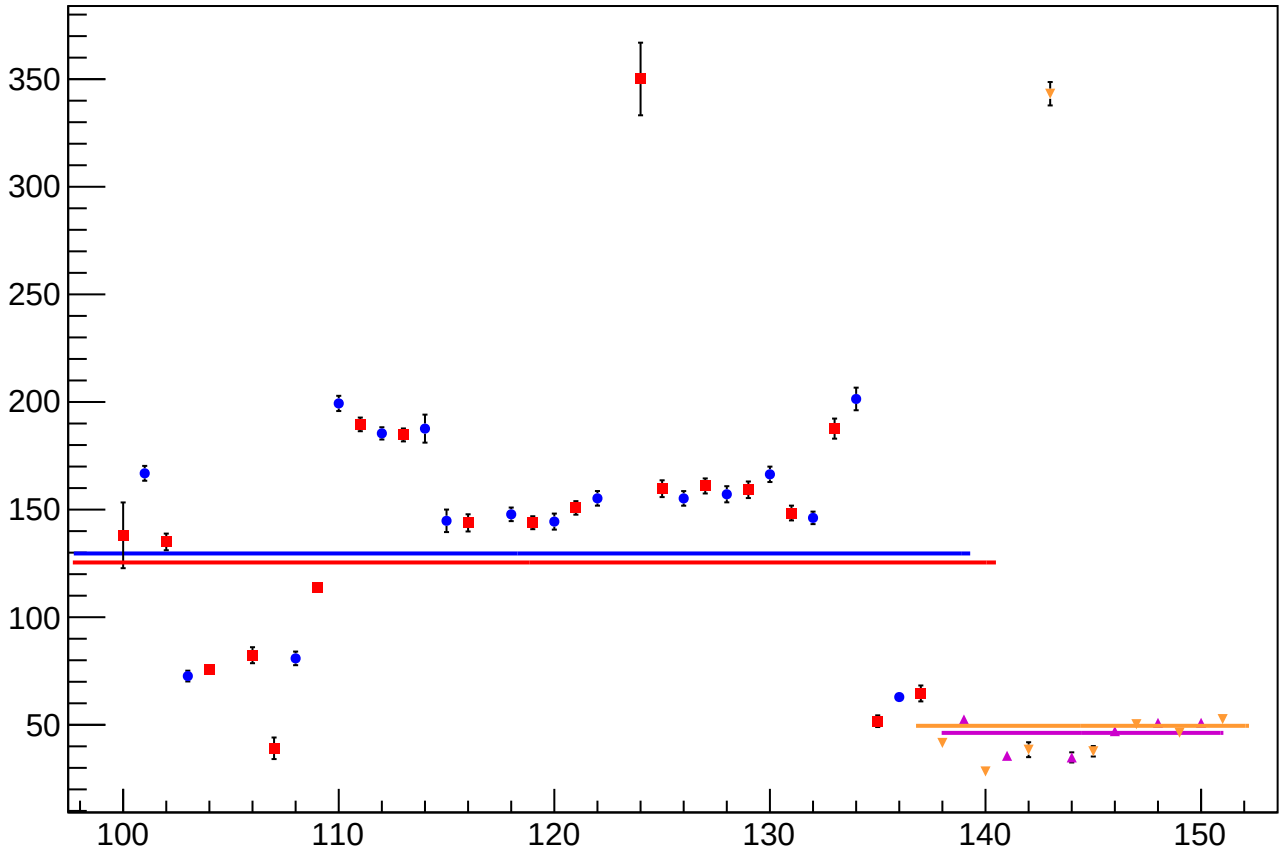
Left: -0.056+/-0.394 χ^2/NDF: 280.6/13

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.159+/-0.457 χ^2/NDF:331.6/21

Out: -1.829+/-0.436 χ^2/NDF:410.4/26

All: -1.986+/-0.315 χ^2/NDF: 742.2/48



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.542+/-0.817 χ^2/NDF:3079.7/7

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 46.257+/-0.849 χ^2/NDF:66.2/5

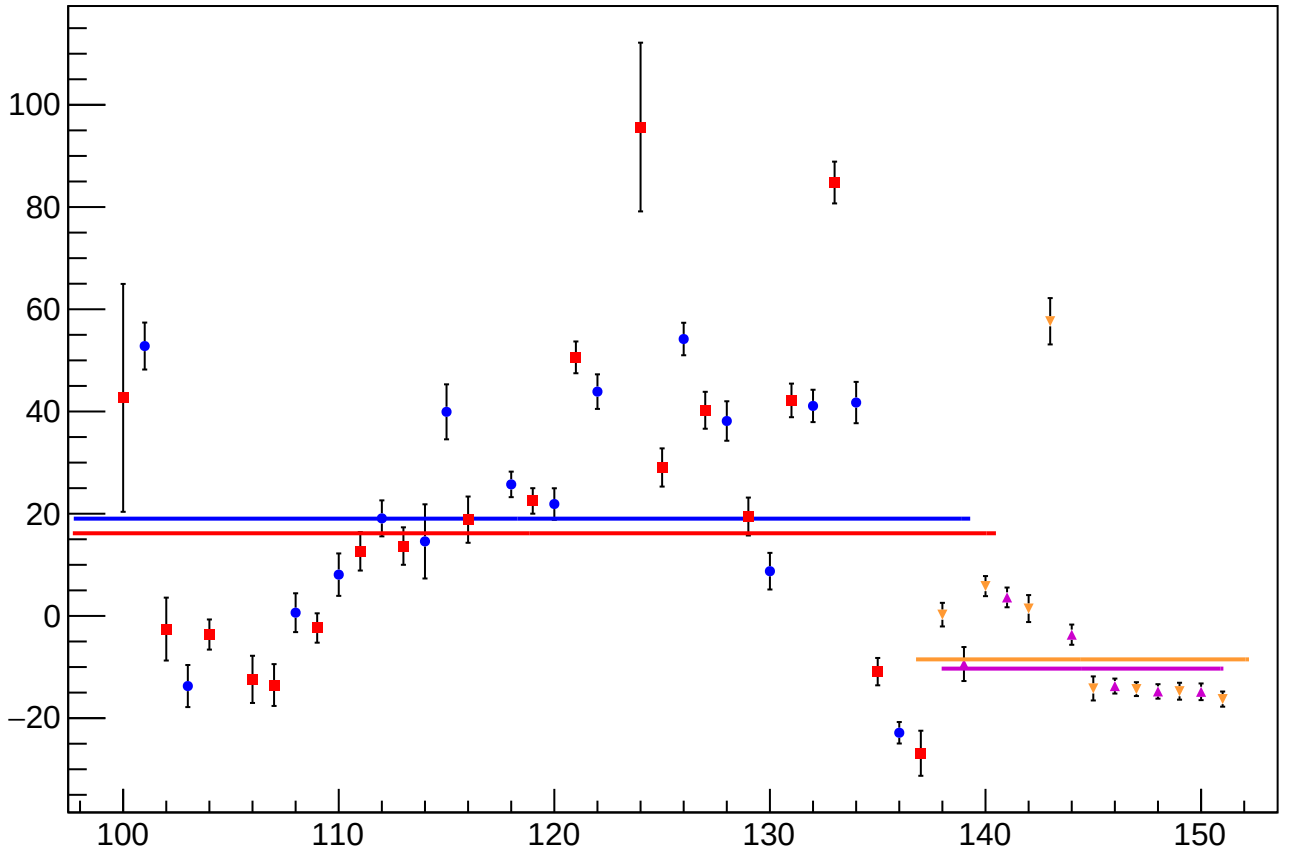
Left: 47.963+/-0.588 χ^2/NDF: 3153.8/13

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 90.369+/-0.582 χ^2/NDF:8795.5/21

Out: 88.751+/-0.568 χ^2/NDF:11046.0/26

All: 89.539+/-0.407 χ^2/NDF: 19845.4/48



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -8.500+/-0.677 χ^2/NDF:360.5/7

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -10.308+/-0.715 χ^2/NDF:86.5/5

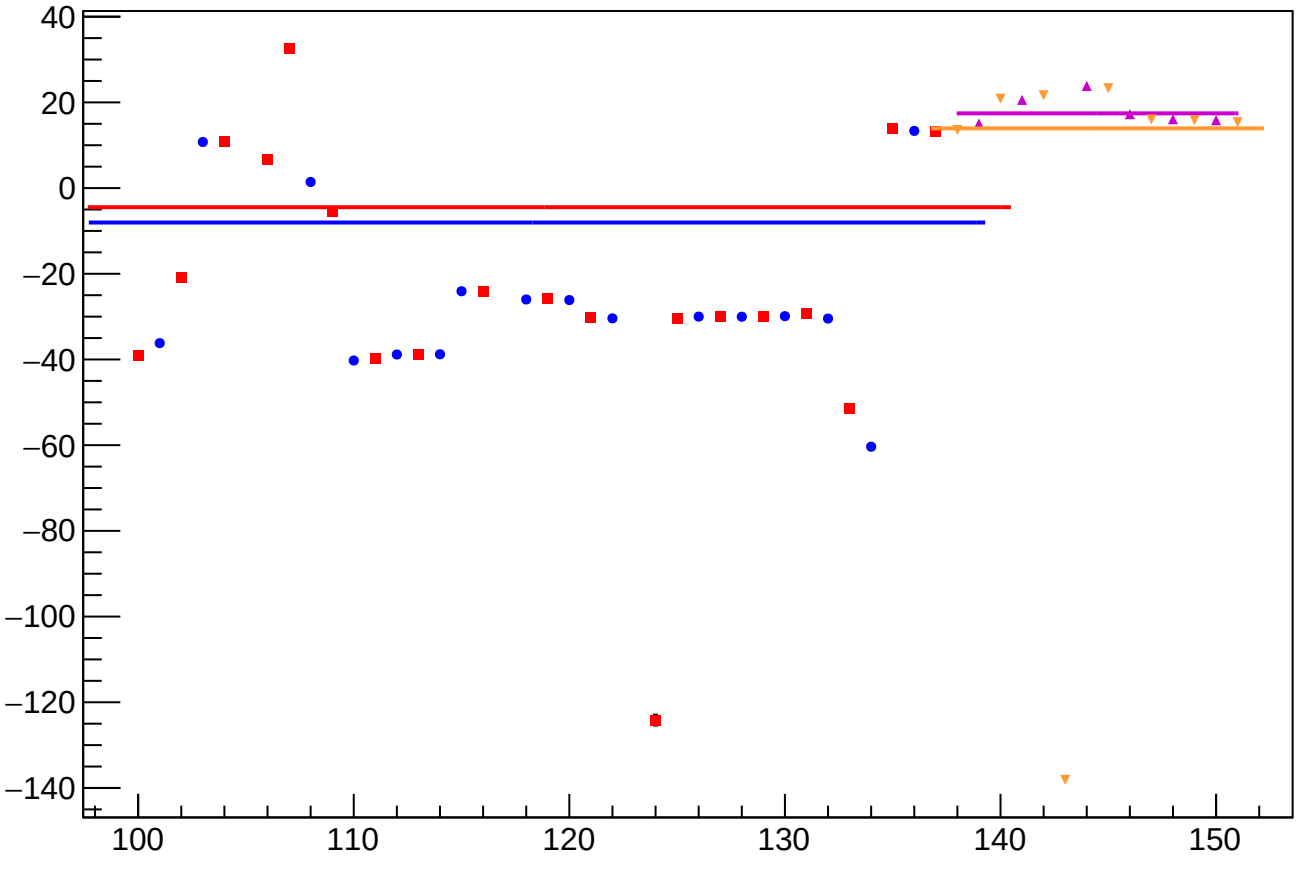
Left: -9.354+/-0.492 χ^2/NDF: 450.4/13

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 1.694+/-0.550 χ^2/NDF:1632.8/21

Out: 1.133+/-0.529 χ^2/NDF:1820.3/26

All: 1.402+/-0.381 χ^2/NDF: 3453.6/48



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.936+/-0.034 χ^2/NDF:470437.5/7

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.441+/-0.034 χ^2/NDF:6616.8/5

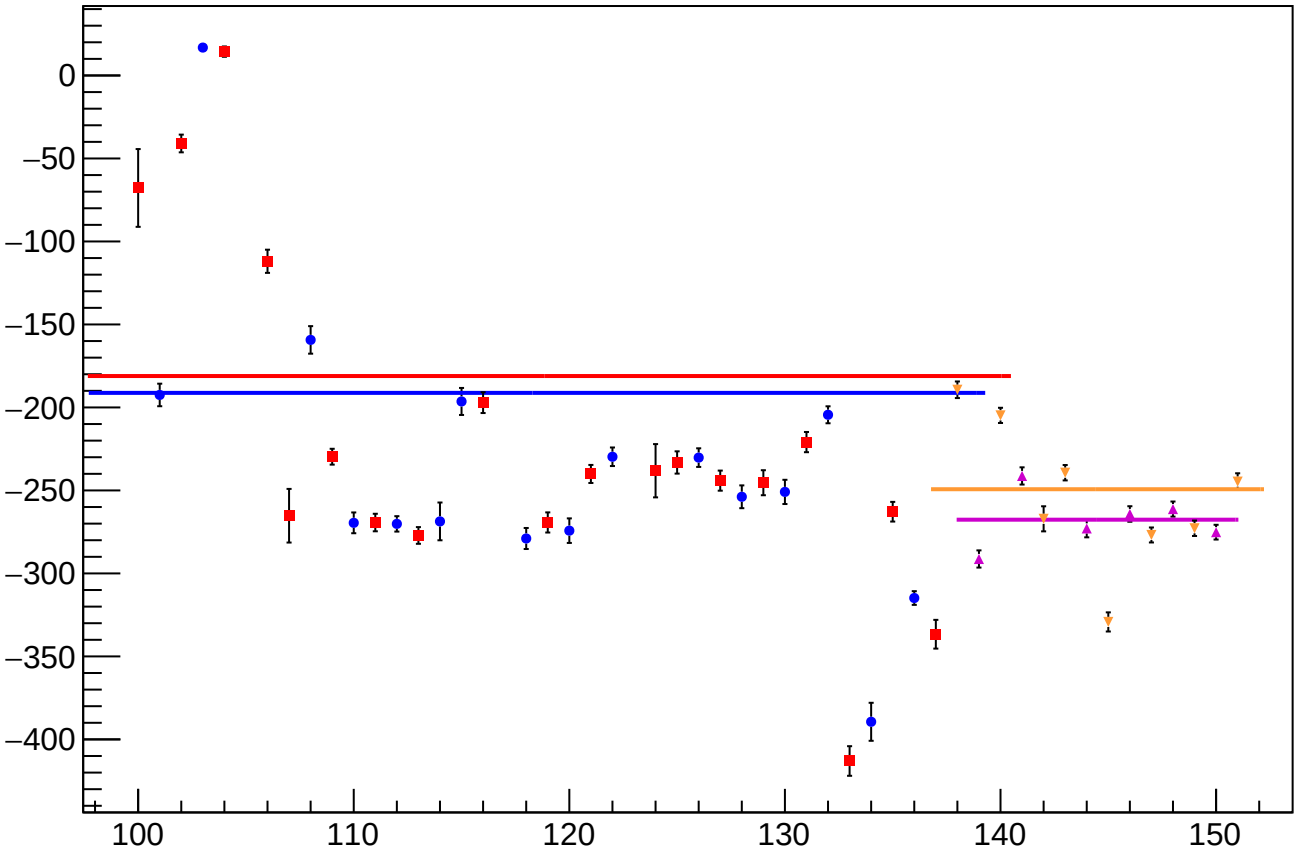
Left: 15.660+/-0.024 χ^2/NDF: 482370.0/13

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 8.304+/-0.027 χ^2/NDF:472752.5/21

Out: 7.648+/-0.027 χ^2/NDF:800568.7/26

All: 7.975+/-0.019 χ^2/NDF: 1273607.8/48



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.277+/-1.777 χ^2/NDF:504.1/7

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -267.630+/-1.985 χ^2/NDF:53.1/5

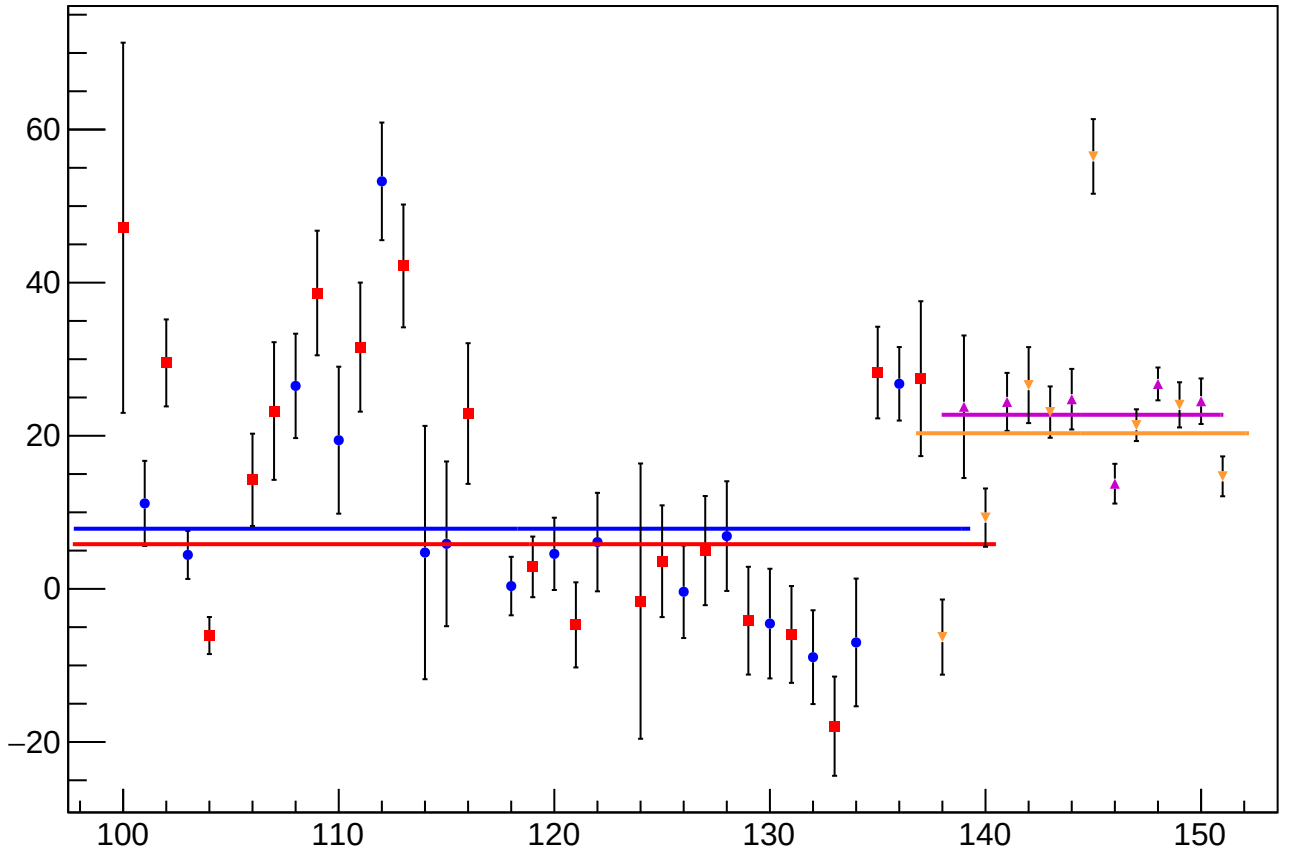
Left: -257.443+/-1.324 χ^2/NDF: 604.6/13

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -217.060+/-1.154 χ^2/NDF:8258.6/21

Out: -206.795+/-1.091 χ^2/NDF:8795.6/26

All: -211.640+/-0.793 χ^2/NDF: 17096.0/48



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 20.329+/-1.135 χ^2/NDF:101.6/7

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 22.743+/-1.266 χ^2/NDF:16.4/5

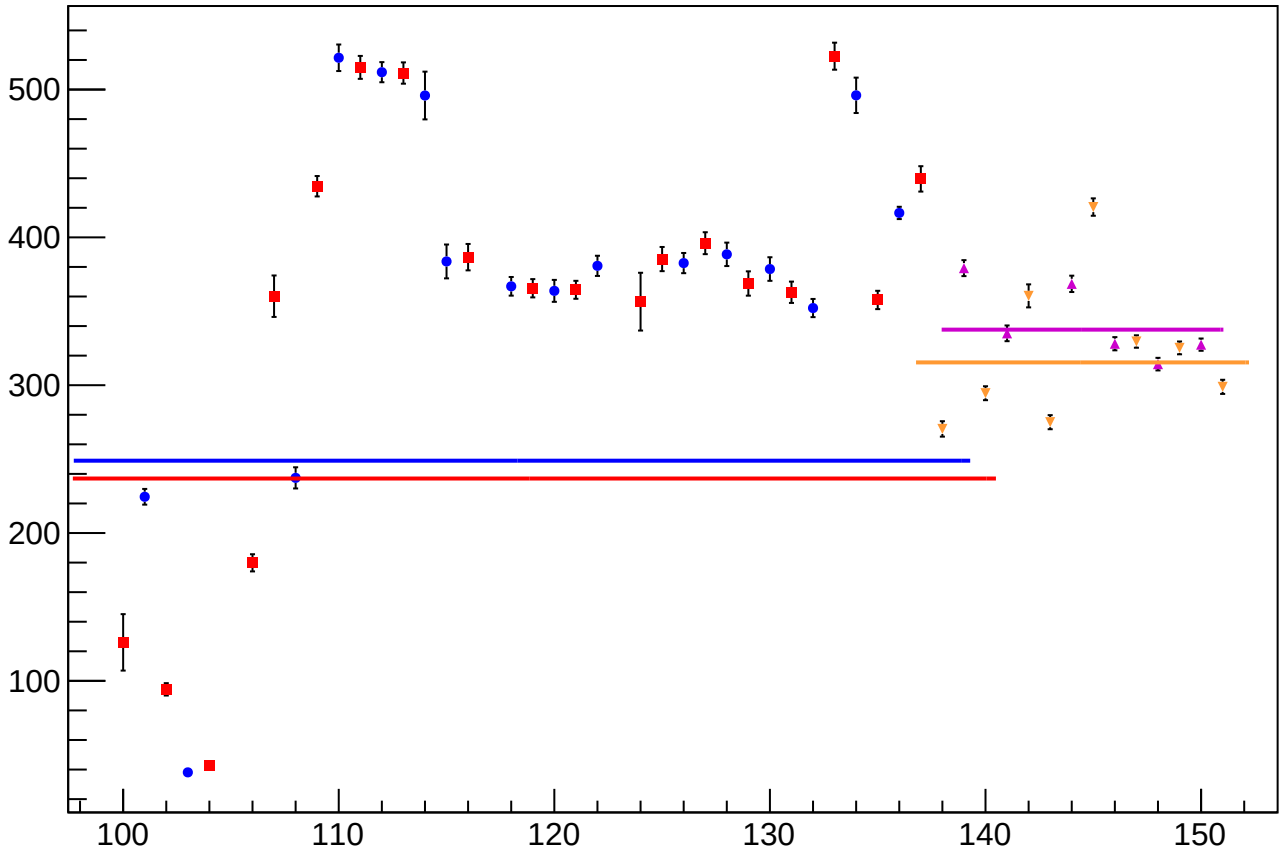
Left: 21.404+/-0.845 χ^2/NDF: 120.0/13

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 16.244+/-0.950 χ^2/NDF:157.7/21

Out: 14.359+/-0.870 χ^2/NDF:310.7/26

All: 15.219+/-0.642 χ^2/NDF: 470.5/48



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.415+/-1.756 χ^2/NDF:546.5/7

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 337.583+/-1.940 χ^2/NDF:131.5/5

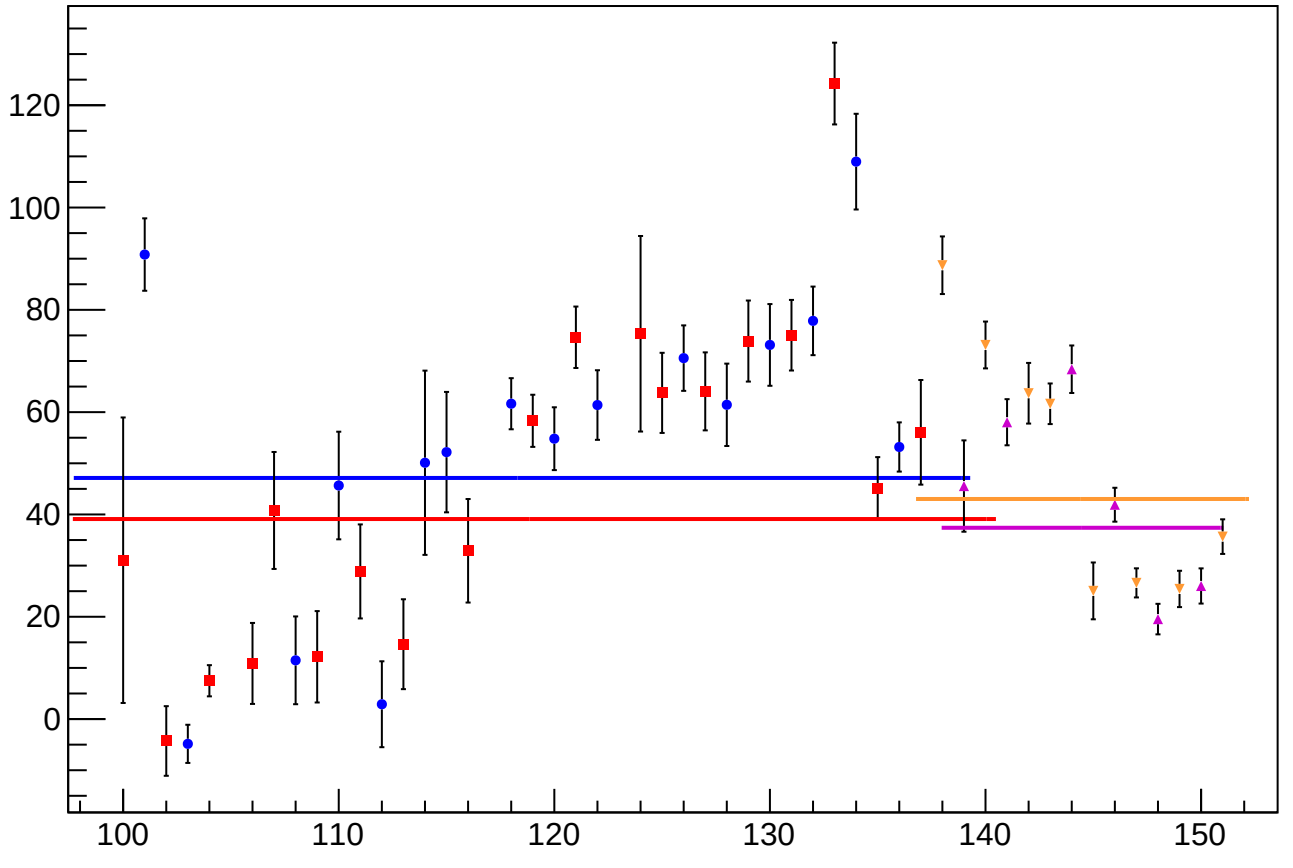
Left: 325.394+/-1.302 χ^2/NDF: 749.8/13

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 279.901+/-1.147 χ^2/NDF:16792.0/21

Out: 267.582+/-1.098 χ^2/NDF:17422.9/26

All: 273.472+/-0.793 χ^2/NDF: 34275.1/48



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 43.025+/-1.423 χ^2/NDF:216.1/7

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 37.397+/-1.589 χ^2/NDF:114.9/5

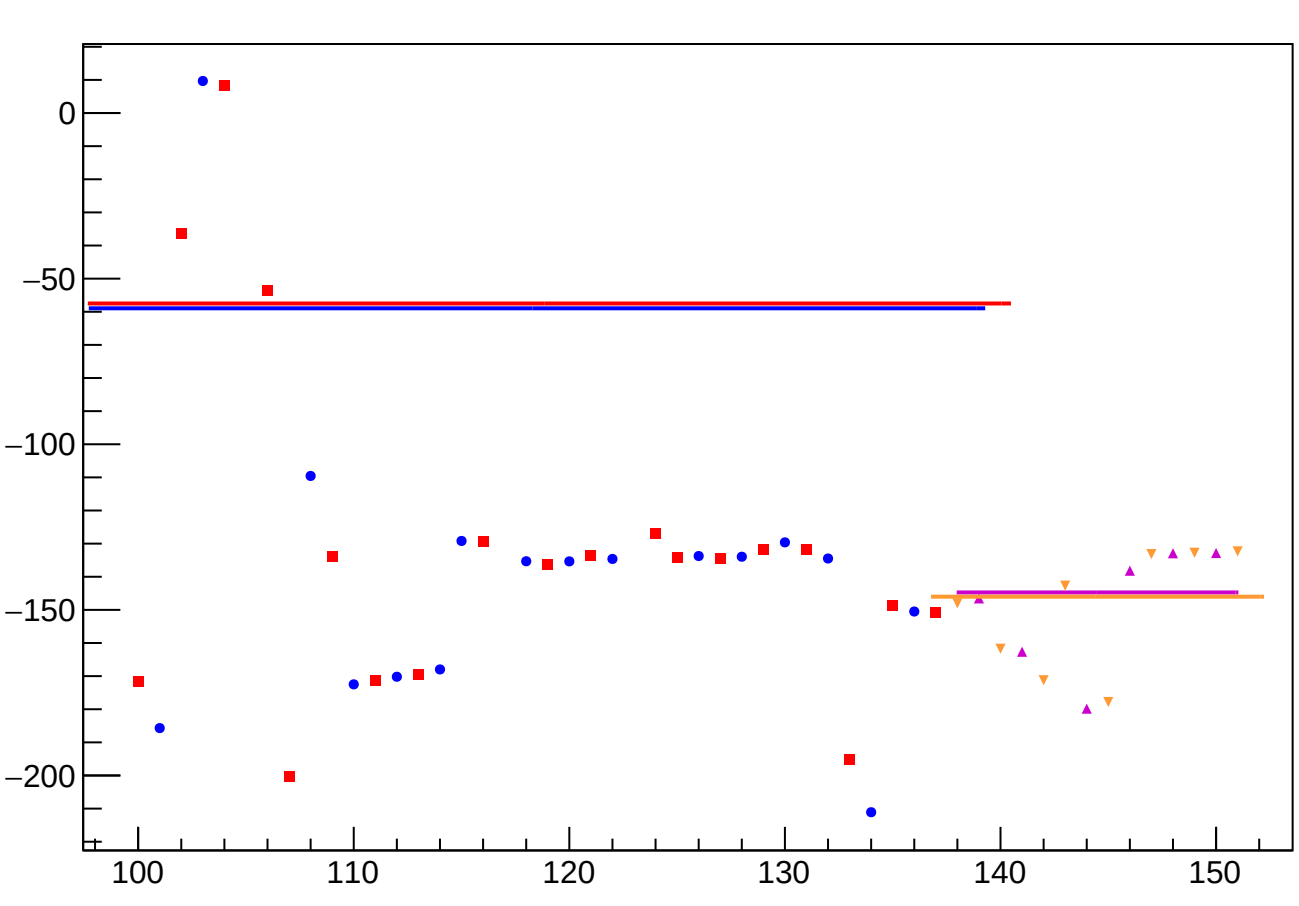
Left: 40.520+/-1.060 χ^2/NDF: 338.0/13

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 42.032+/-1.150 χ^2/NDF:518.1/21

Out: 41.289+/-1.062 χ^2/NDF:635.9/26

All: 41.631+/-0.780 χ^2/NDF: 1154.3/48



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -146.018+/-0.073 χ^2/NDF:46006.0/7

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -144.737+/-0.079 χ^2/NDF:37746.2/5

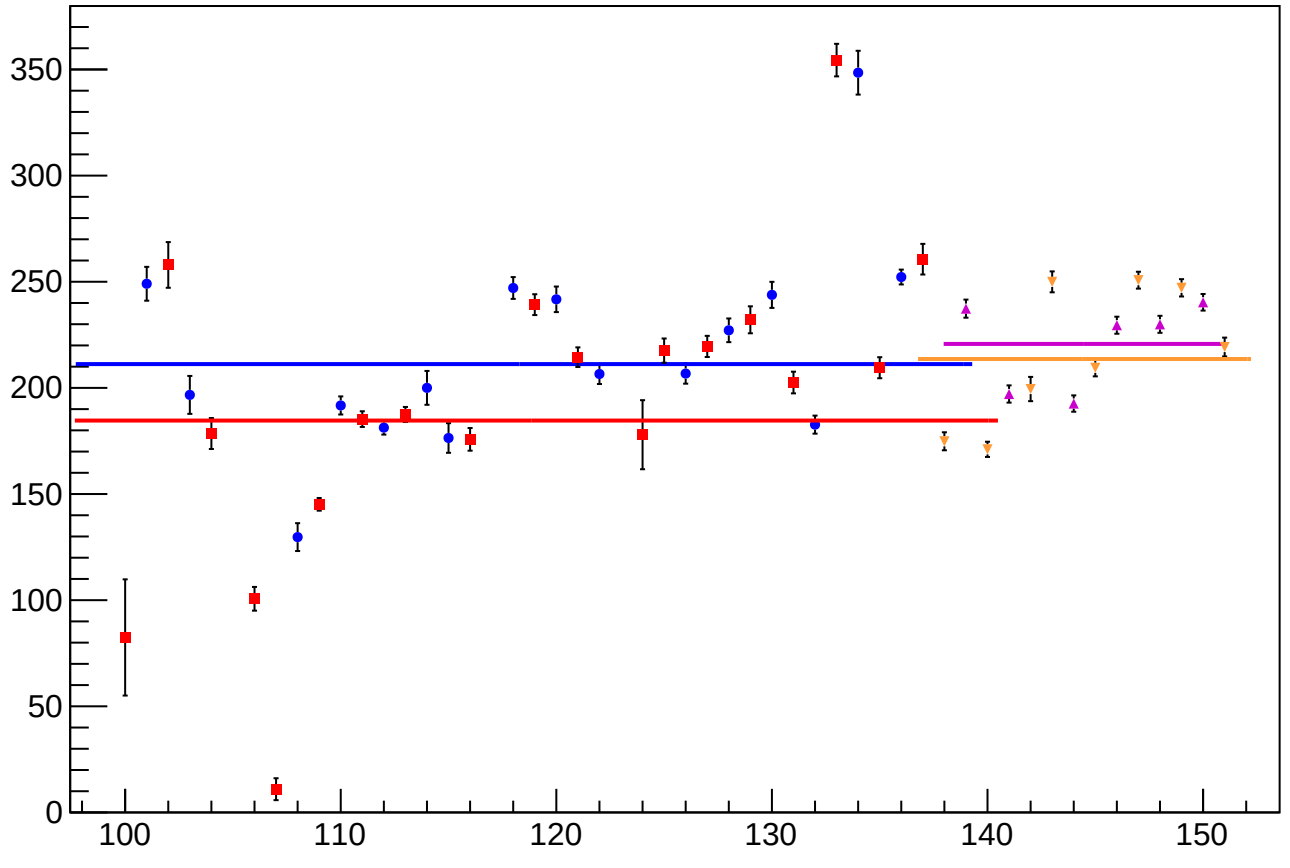
Left: -145.424+/-0.054 χ^2/NDF: 83893.2/13

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -98.249+/-0.053 χ^2/NDF:1904200.1/21

Out: -102.242+/-0.052 χ^2/NDF:1635554.3/26

All: -100.292+/-0.037 χ^2/NDF: 3542609.8/48



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 213.611+/-1.506 χ^2/NDF:442.6/7

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 220.710+/-1.637 χ^2/NDF:137.5/5

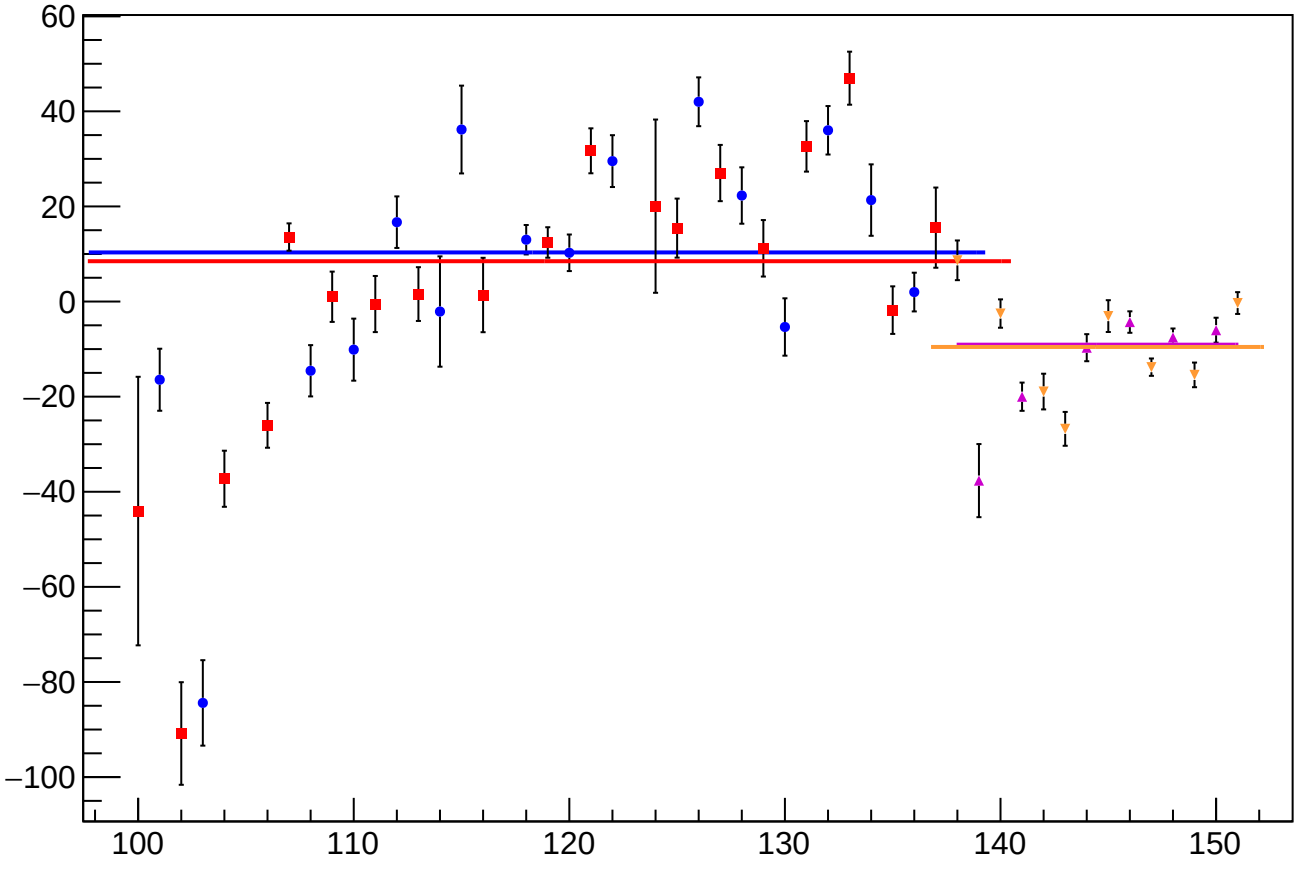
Left: 216.864+/-1.108 χ^2/NDF: 590.2/13

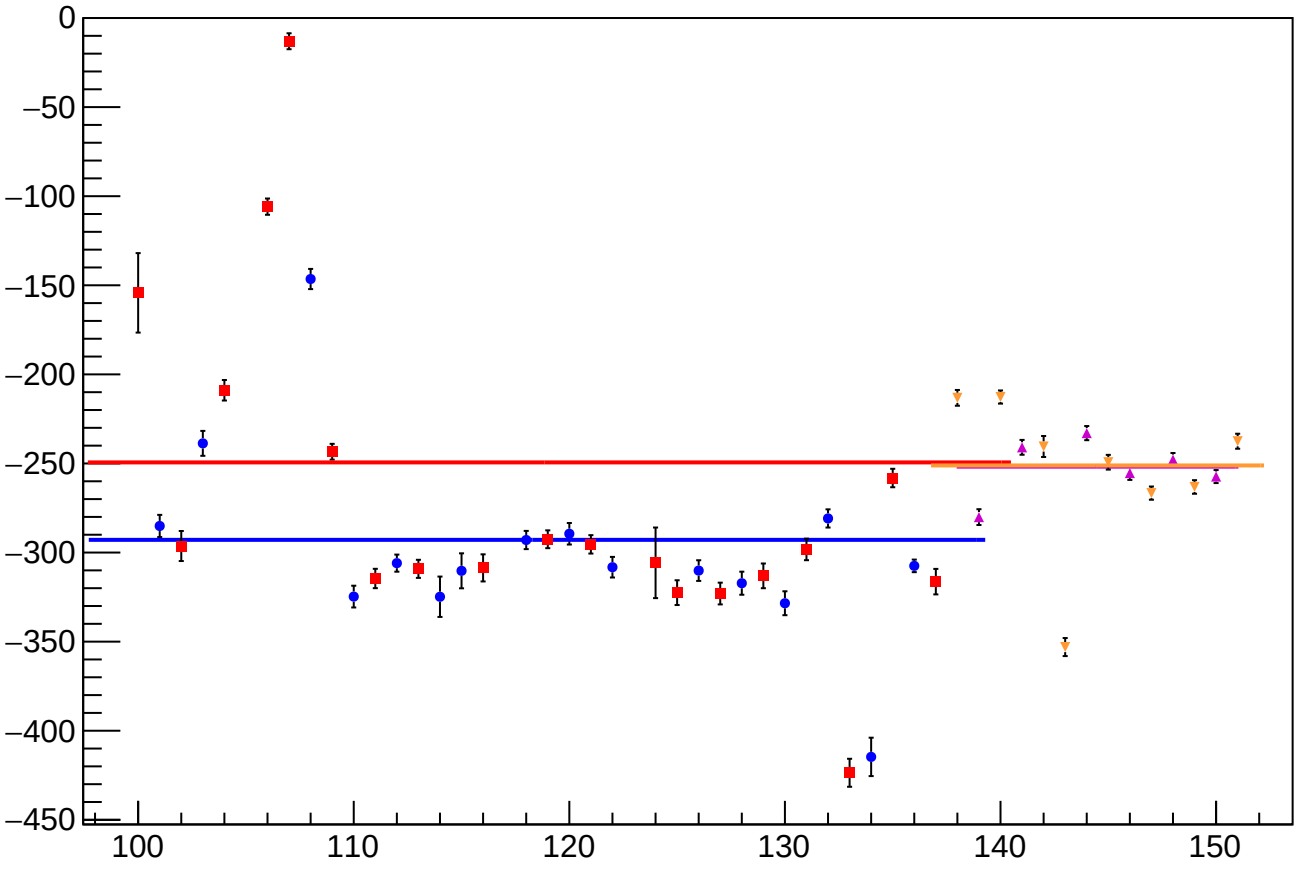
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 214.869+/-1.016 χ^2/NDF:941.2/21

Out: 195.808+/-0.935 χ^2/NDF:3210.7/26

All: 204.553+/-0.688 χ^2/NDF: 4342.3/48


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: -9.550+/-0.977 χ²/NDF:84.8/7
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -9.070+/-1.068 χ²/NDF:33.9/5
Left: -9.332+/-0.721 χ²/NDF: 118.8/13
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: -1.485+/-0.833 χ²/NDF:426.2/21
Out: -2.540+/-0.764 χ²/NDF:539.6/26
All: -2.058+/-0.563 χ²/NDF: 966.7/48



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -251.112+/-1.492 χ^2/NDF:628.7/7

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -251.787+/-1.610 χ^2/NDF:74.3/5

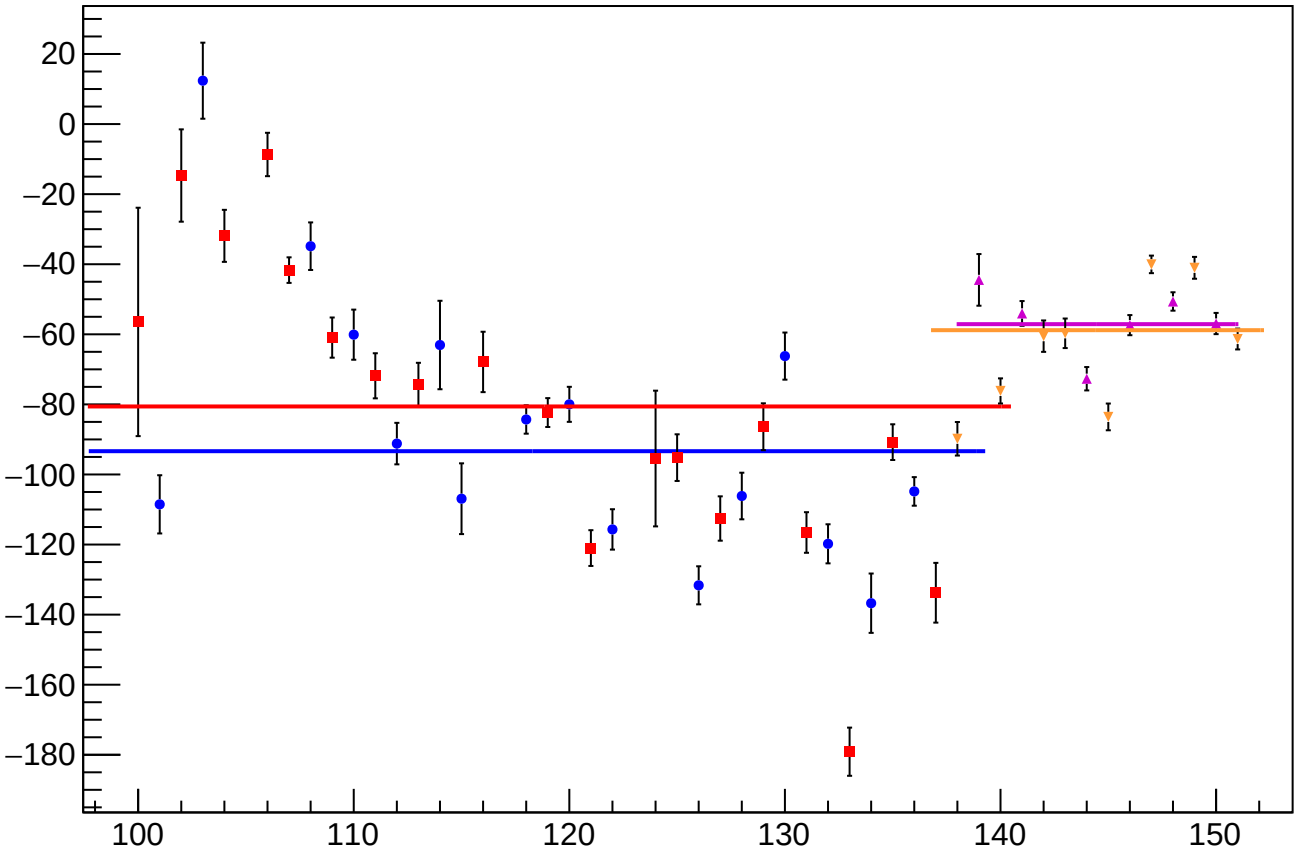
Left: -251.424+/-1.094 χ^2/NDF: 703.1/13

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -274.224+/-1.084 χ^2/NDF:1413.5/21

Out: -250.186+/-1.009 χ^2/NDF:5997.9/26

All: -261.337+/-0.739 χ^2/NDF: 7674.8/48



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -58.822+/-1.221 χ^2/NDF:197.0/7

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -57.101+/-1.332 χ^2/NDF:31.6/5

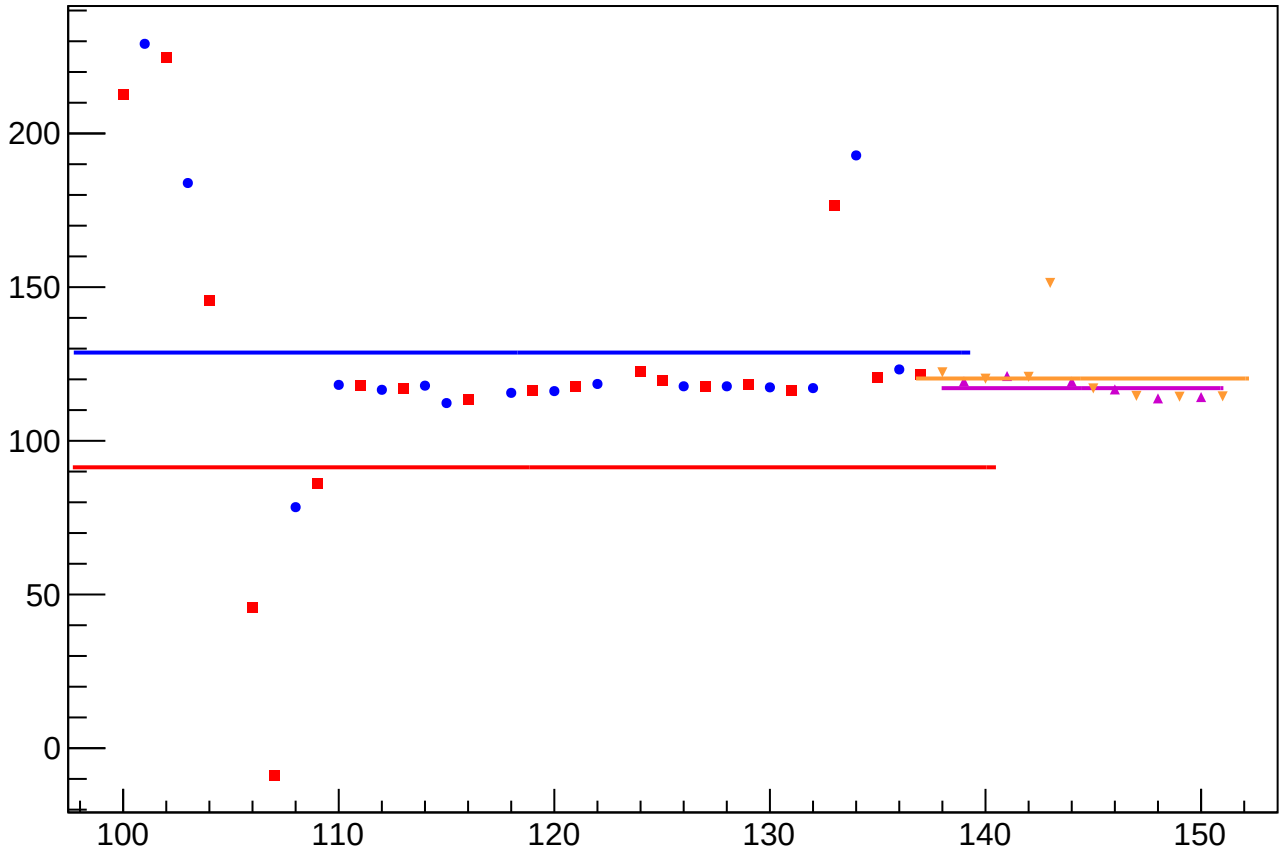
Left: -58.036+/-0.900 χ^2/NDF: 229.5/13

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -72.680+/-1.006 χ^2/NDF:705.4/21

Out: -68.044+/-0.927 χ^2/NDF:1047.1/26

All: -70.173+/-0.682 χ^2/NDF: 1763.9/48



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 120.278+/-0.062 χ^2/NDF:25980.1/7

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 117.136+/-0.066 χ^2/NDF:1739.0/5

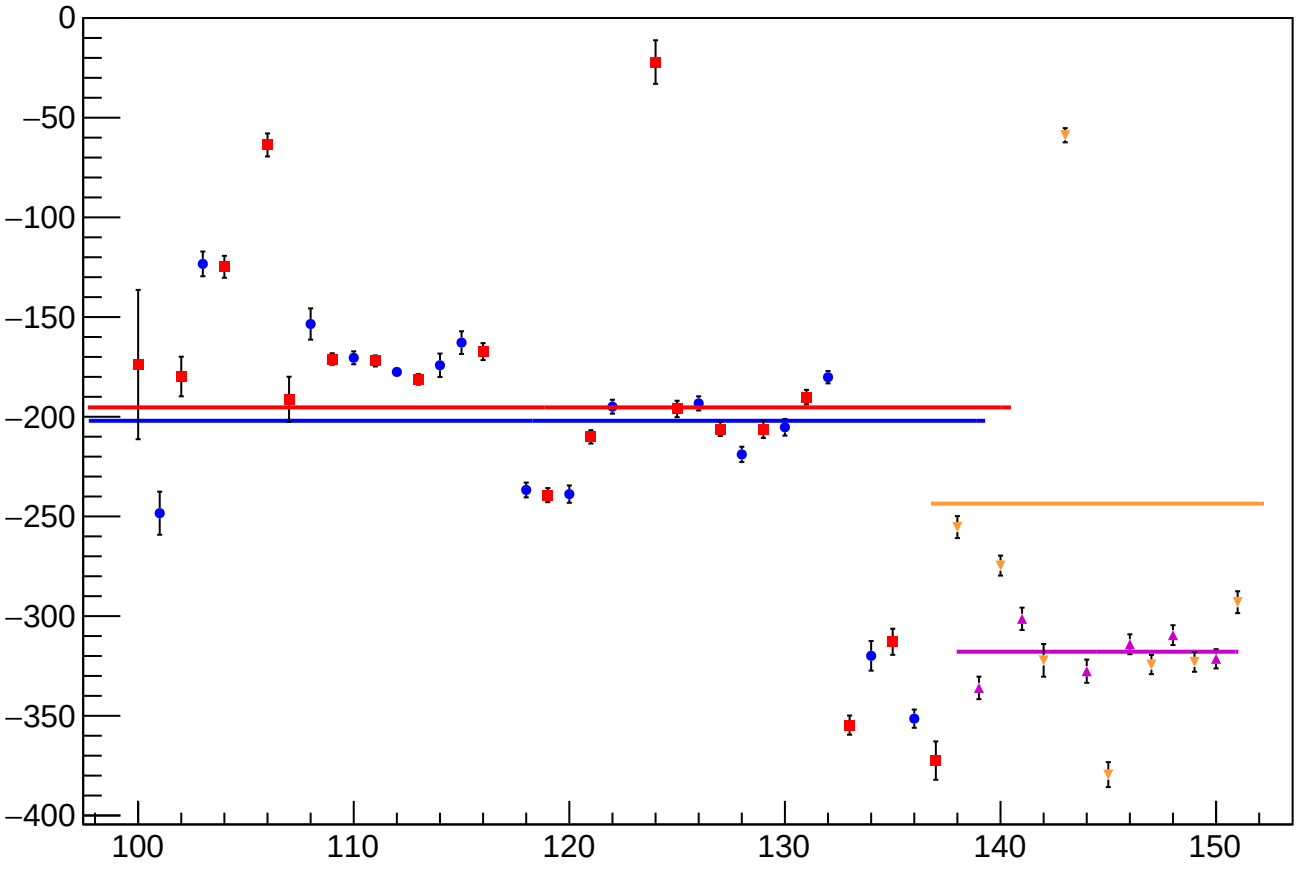
Left: 118.789+/-0.045 χ^2/NDF: 28922.0/13

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 121.214+/-0.053 χ^2/NDF:196194.0/21

Out: 109.196+/-0.049 χ^2/NDF:713224.1/26

All: 114.741+/-0.036 χ^2/NDF: 937216.1/48



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -243.592+/-1.799 χ^2/NDF:3918.7/7

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -317.854+/-2.151 χ^2/NDF:25.7/5

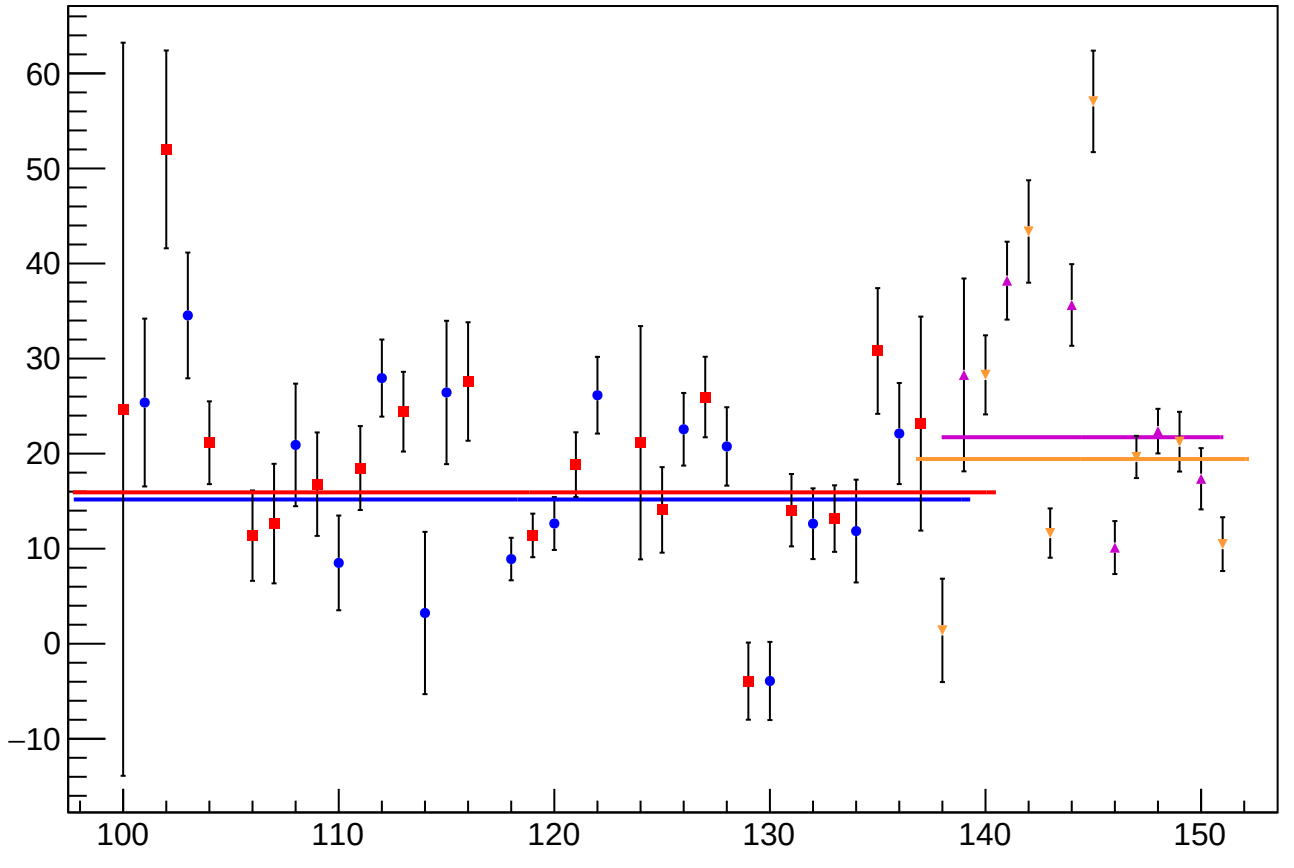
Left: -274.157+/-1.380 χ^2/NDF: 4645.9/13

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -223.428+/-0.925 χ^2/NDF:4430.7/21

Out: -206.259+/-0.857 χ^2/NDF:7576.4/26

All: -214.189+/-0.628 χ^2/NDF: 12192.7/48



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 19.432+/-1.163 χ^2/NDF:104.3/7

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 21.726+/-1.373 χ^2/NDF:46.3/5

Left: 20.391+/-0.888 χ^2/NDF: 152.3/13

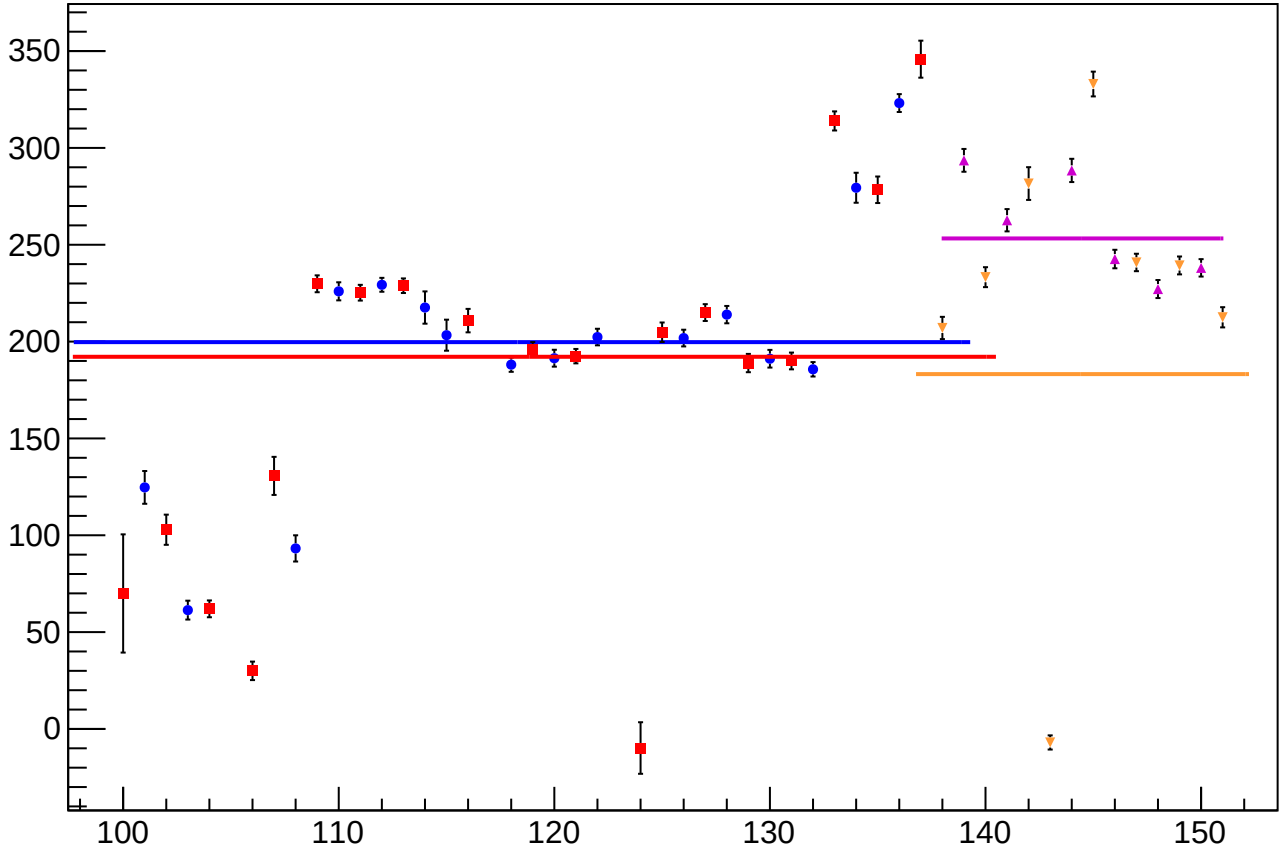
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 17.585+/-0.833 χ^2/NDF:133.1/21

Out: 17.478+/-0.774 χ^2/NDF:172.9/26

All: 17.528+/-0.567 χ^2/NDF: 306.0/48

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: 183.211+/-1.785 χ^2/NDF:3838.7/7

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 253.256+/-2.103 χ^2/NDF:131.6/5

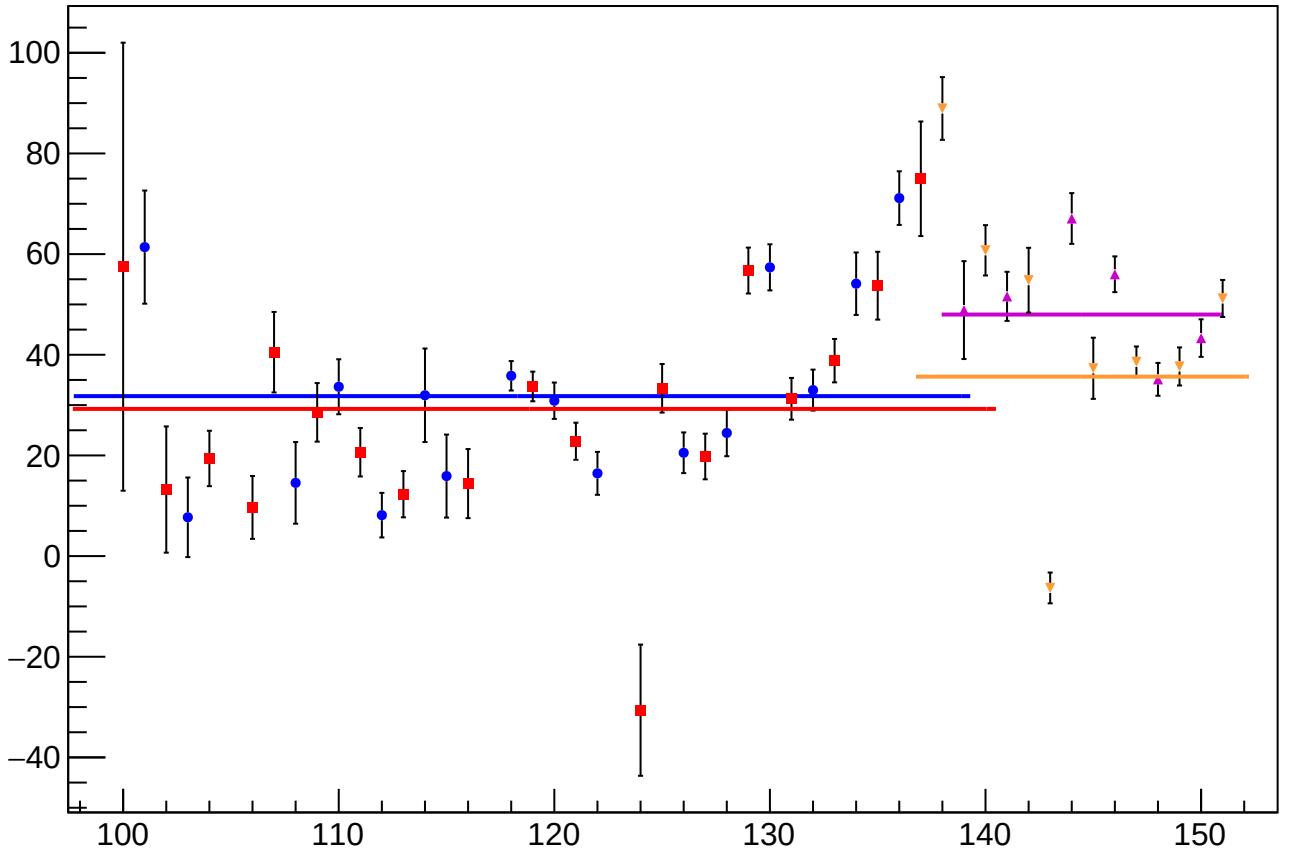
Left: 212.539+/-1.361 χ^2/NDF: 4615.3/13

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 212.803+/-1.039 χ^2/NDF:2723.0/21

Out: 189.530+/-0.967 χ^2/NDF:7633.6/26

All: 200.327+/-0.708 χ^2/NDF: 10625.3/48



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 35.658+/-1.450 χ^2/NDF:314.6/7

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 47.994+/-1.723 χ^2/NDF:37.1/5

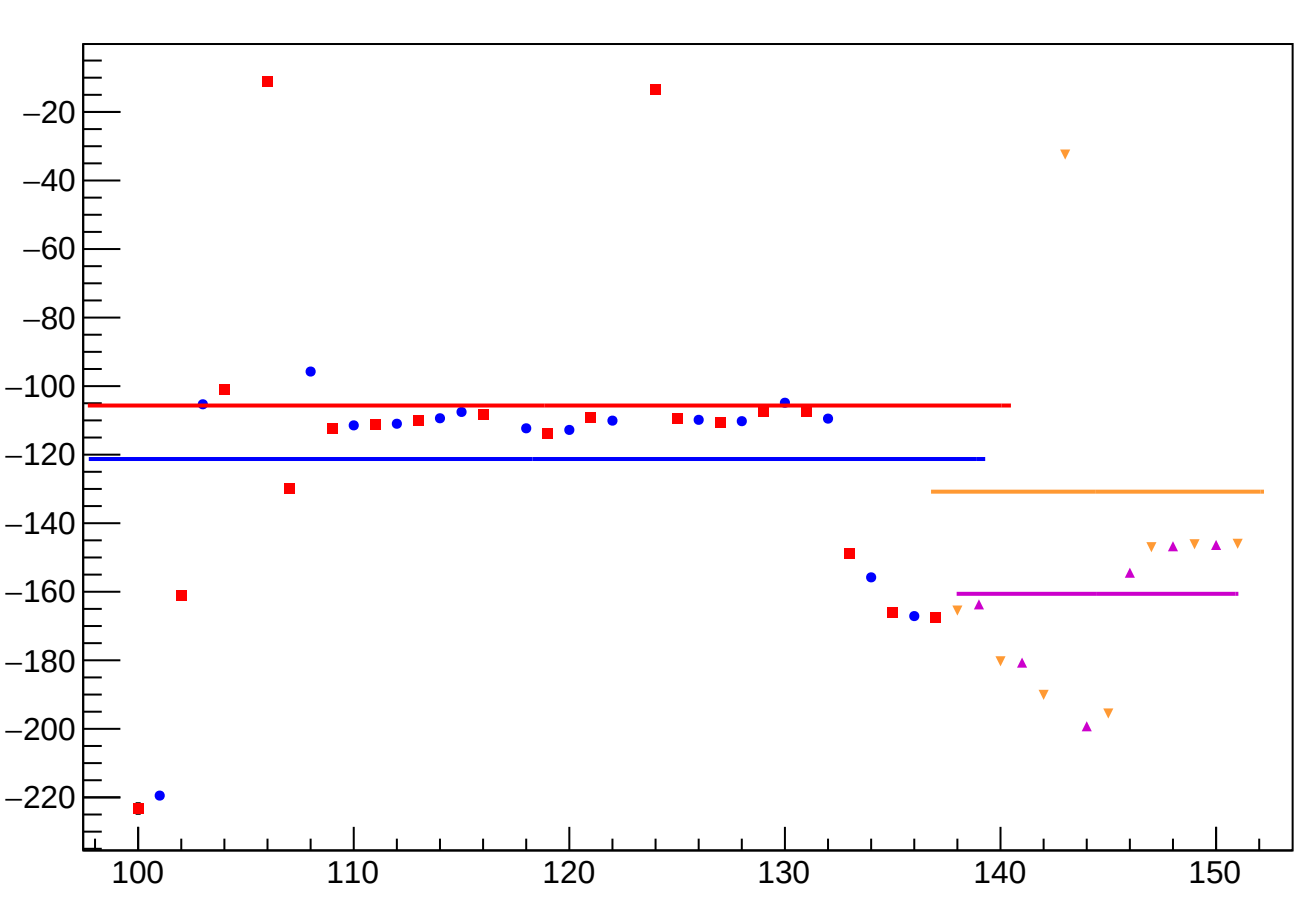
Left: 40.775+/-1.109 χ^2/NDF: 381.8/13

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 37.178+/-0.994 χ^2/NDF:273.2/21

Out: 31.843+/-0.923 χ^2/NDF:467.2/26

All: 34.313+/-0.676 χ^2/NDF: 755.9/48



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -130.796+/-0.075 χ^2/NDF:600760.7/7

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -160.603+/-0.086 χ^2/NDF:40488.9/5

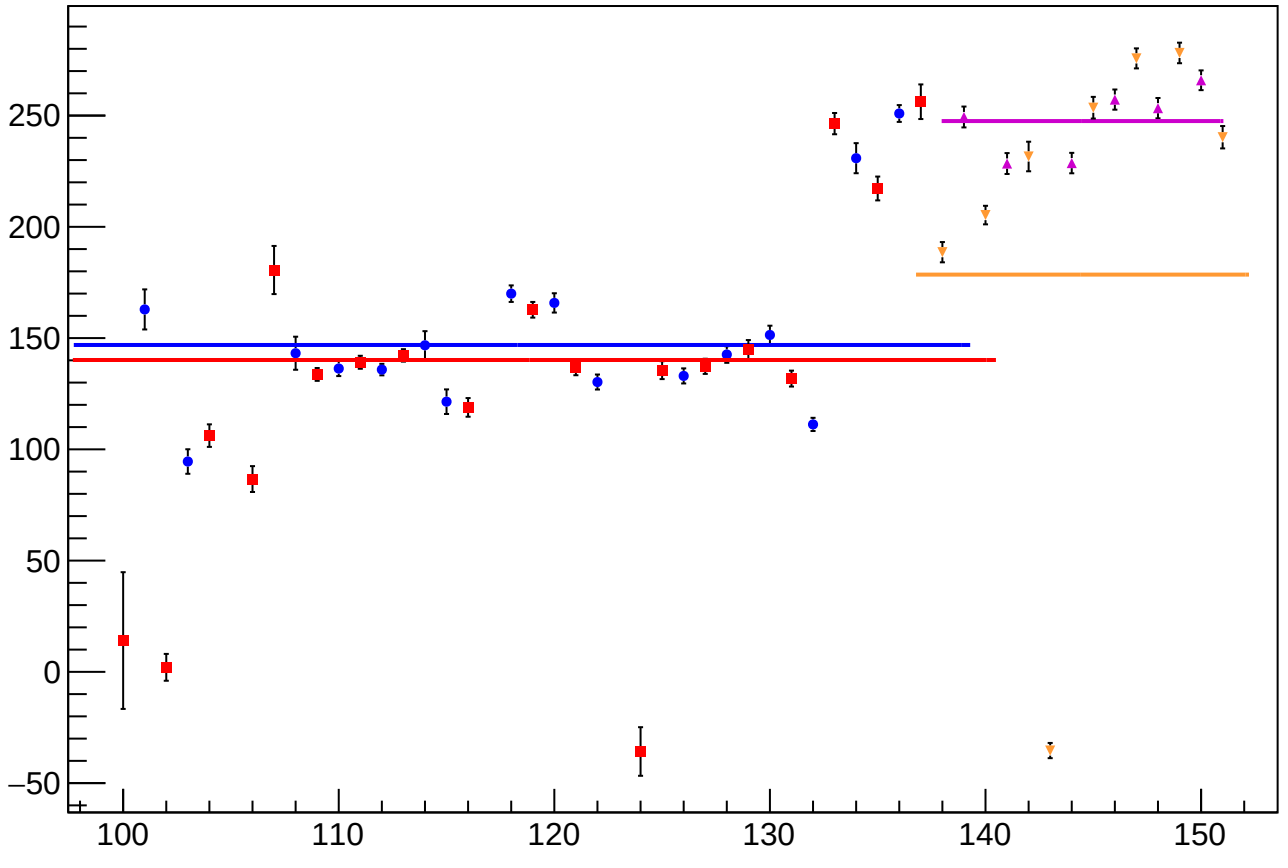
Left: -143.646+/-0.056 χ^2/NDF: 710153.6/13

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -139.405+/-0.058 χ^2/NDF:273558.2/21

Out: -118.252+/-0.053 χ^2/NDF:1012569.4/26

All: -127.804+/-0.039 χ^2/NDF: 1358681.6/48



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 178.529+/-1.597 χ^2/NDF:5343.7/7

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 247.534+/-1.871 χ^2/NDF:56.8/5

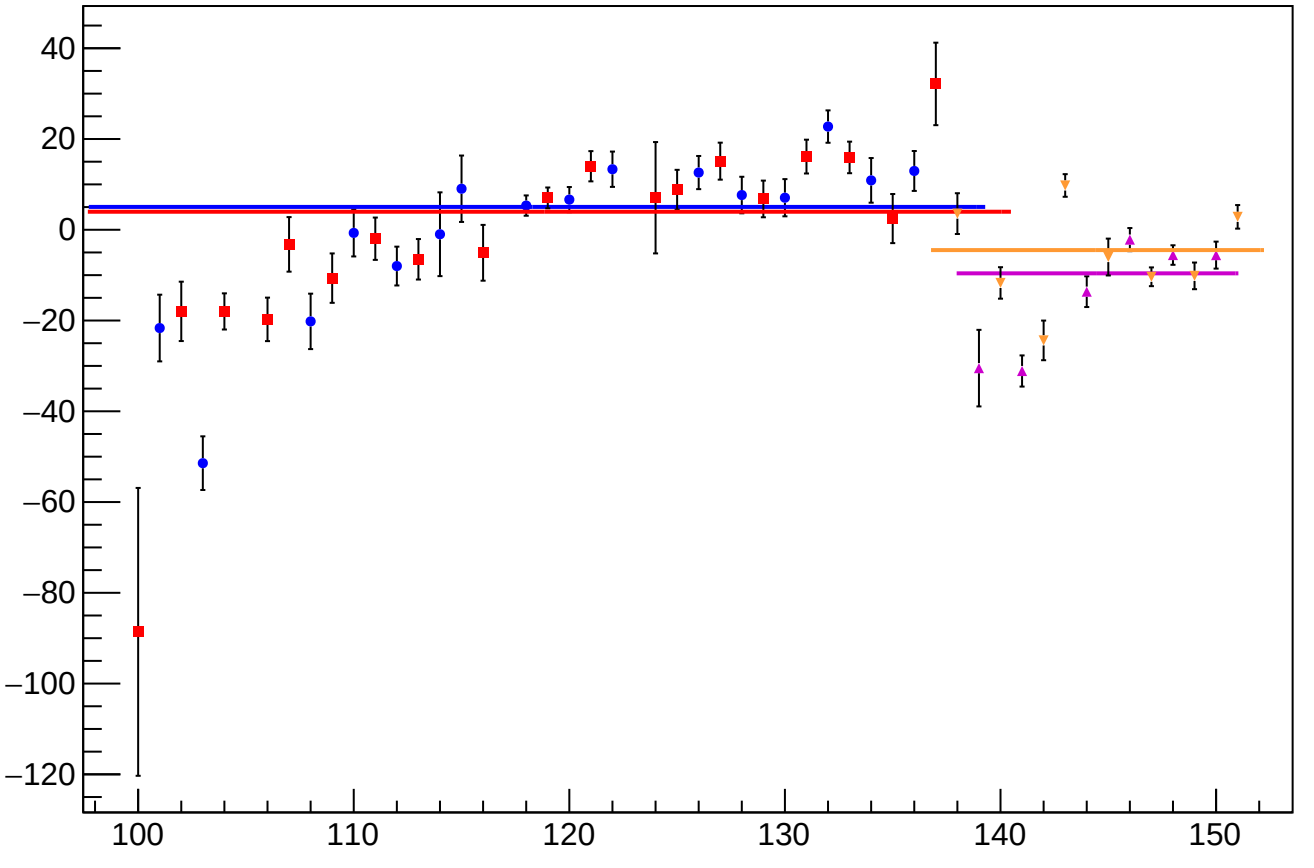
Left: 207.620+/-1.215 χ^2/NDF: 6187.2/13

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 169.376+/-0.884 χ^2/NDF:3605.2/21

Out: 150.336+/-0.823 χ^2/NDF:7718.3/26

All: 159.173+/-0.602 χ^2/NDF: 11572.0/48



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.479+/-1.051 χ^2/NDF:80.9/7

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -9.603+/-1.223 χ^2/NDF:60.7/5

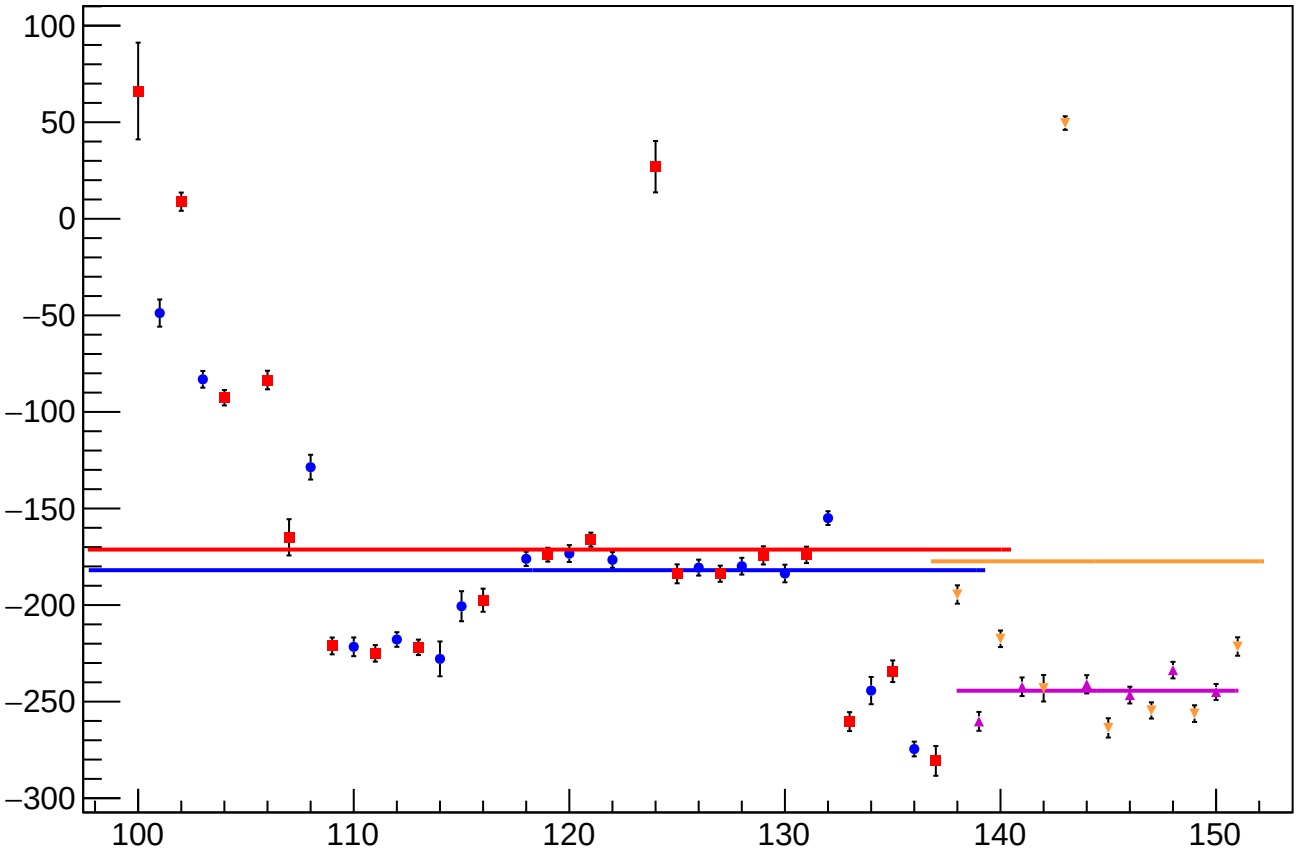
Left: -6.657+/-0.797 χ^2/NDF: 151.6/13

Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: -0.977+/-0.784 χ^2/NDF:317.0/21

Out: -0.092+/-0.729 χ^2/NDF:259.3/26

All: -0.502+/-0.534 χ^2/NDF: 577.0/48



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -177.357+/-1.591 χ^2/NDF:5412.8/7

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -244.353+/-1.839 χ^2/NDF:17.8/5

Left: -206.028+/-1.203 χ^2/NDF: 6189.7/13

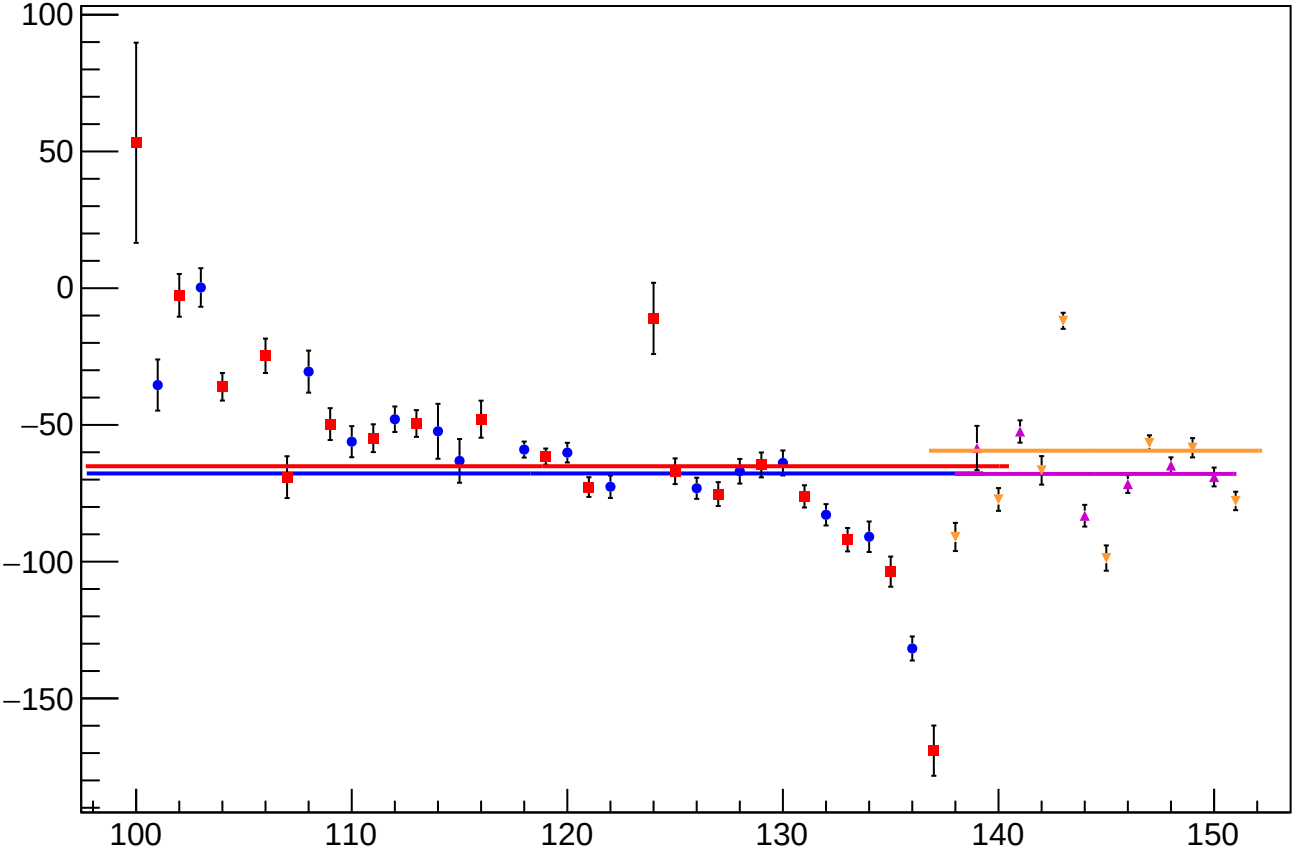
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -199.577+/-0.977 χ^2/NDF:2714.4/21

Out: -173.261+/-0.911 χ^2/NDF:9050.8/26

All: -185.492+/-0.666 χ^2/NDF: 12153.2/48

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: -59.417+/-1.306 χ^2/NDF:421.4/7

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -67.915+/-1.525 χ^2/NDF:33.0/5

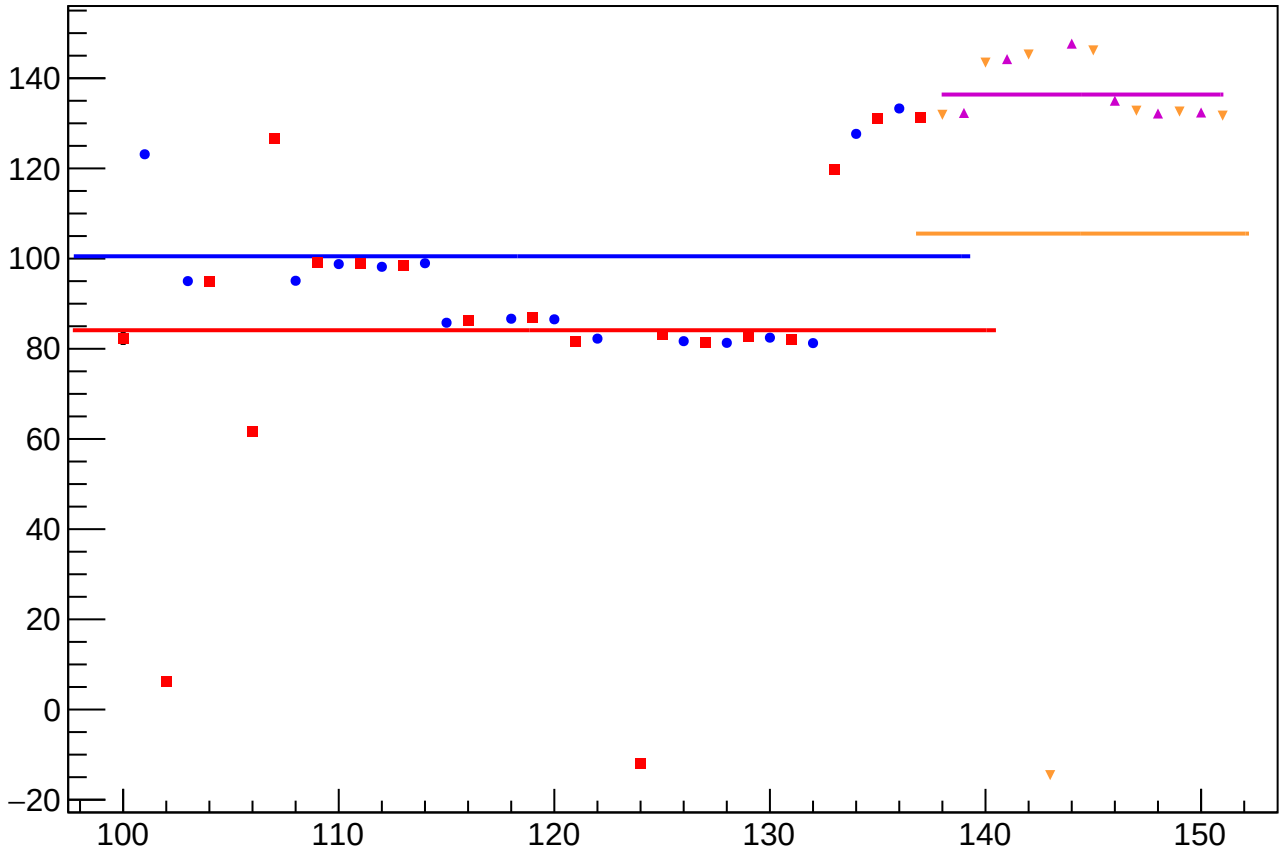
Left: -63.010+/-0.992 χ^2/NDF: 472.4/13

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -67.809+/-0.934 χ^2/NDF:447.1/21

Out: -62.579+/-0.870 χ^2/NDF:861.0/26

All: -65.009+/-0.637 χ^2/NDF: 1324.9/48



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 105.547+/-0.066 χ^2/NDF:860023.9/7

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 136.382+/-0.075 χ^2/NDF:6188.4/5

Left: 119.113+/-0.050 χ^2/NDF: 961169.5/13

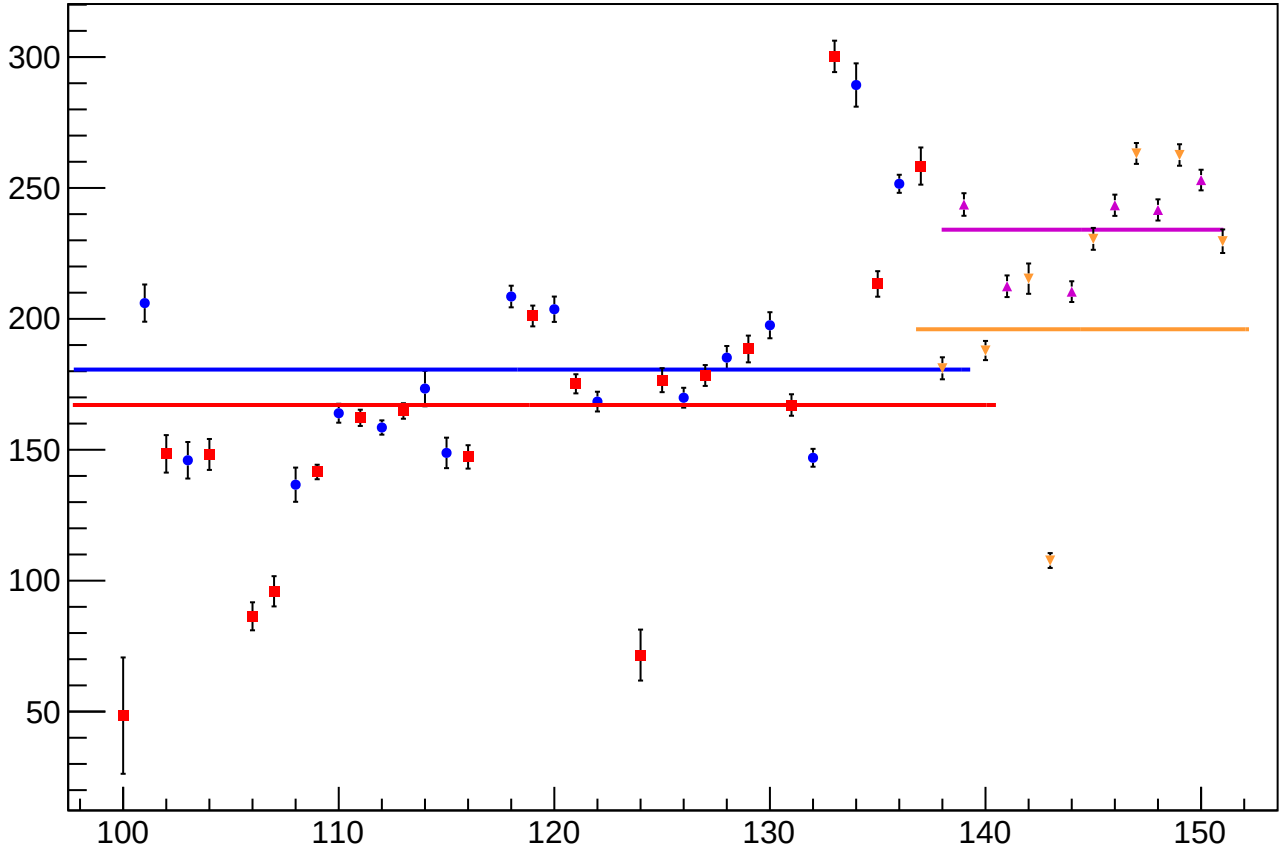
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 118.227+/-0.053 χ^2/NDF:189760.8/21

Out: 95.279+/-0.048 χ^2/NDF:1173761.6/26

All: 105.678+/-0.035 χ^2/NDF: 1467515.7/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 196.029+/-1.396 χ^2/NDF:1665.3/7

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.057+/-1.661 χ^2/NDF:99.9/5

Left: 211.766+/-1.068 χ^2/NDF: 2072.5/13

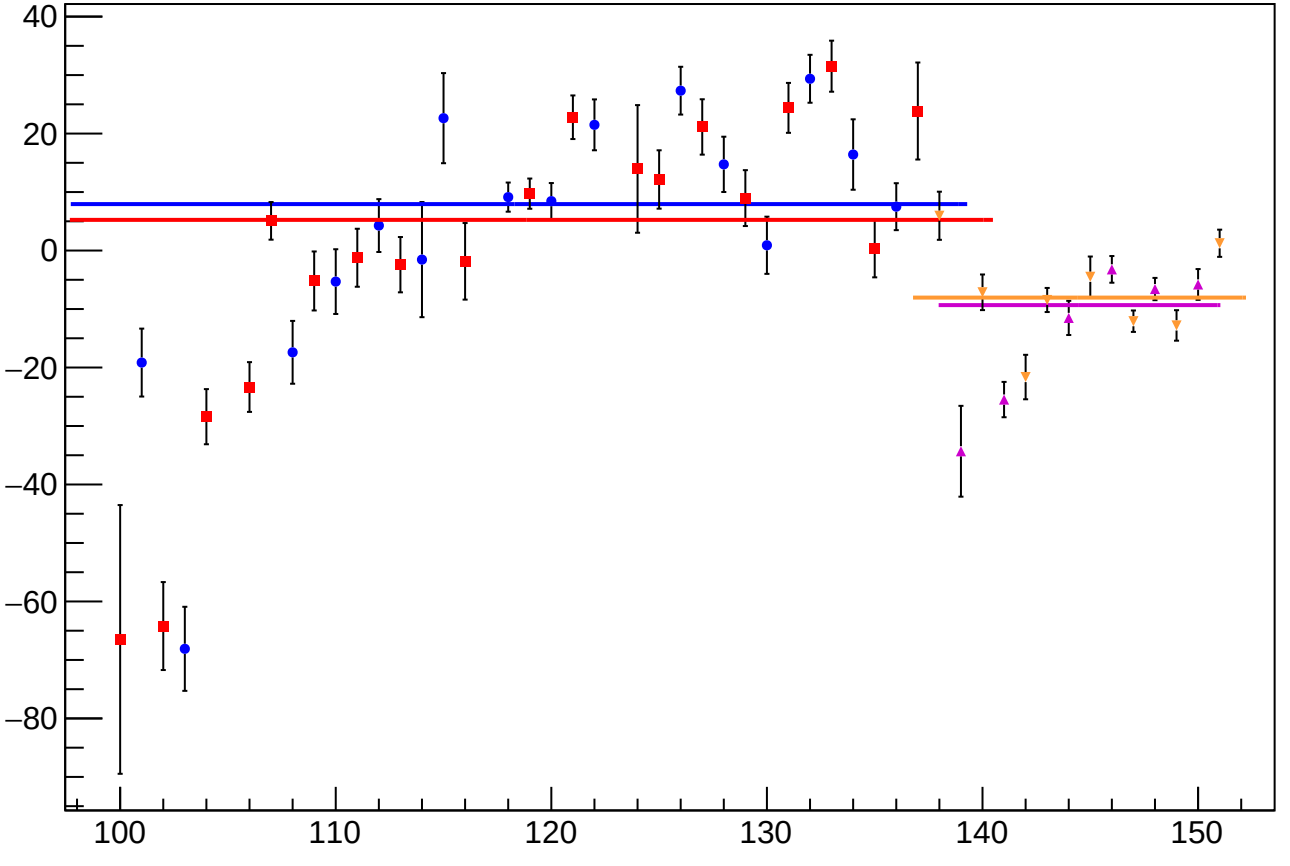
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 196.709+/-0.911 χ^2/NDF:1816.6/21

Out: 177.184+/-0.824 χ^2/NDF:3429.7/26

All: 185.968+/-0.611 χ^2/NDF: 5498.9/48

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: -8.044+/-0.919 χ^2/NDF:49.7/7

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -9.330+/-1.081 χ^2/NDF:50.5/5

Left: -8.583+/-0.700 χ^2/NDF: 101.0/13

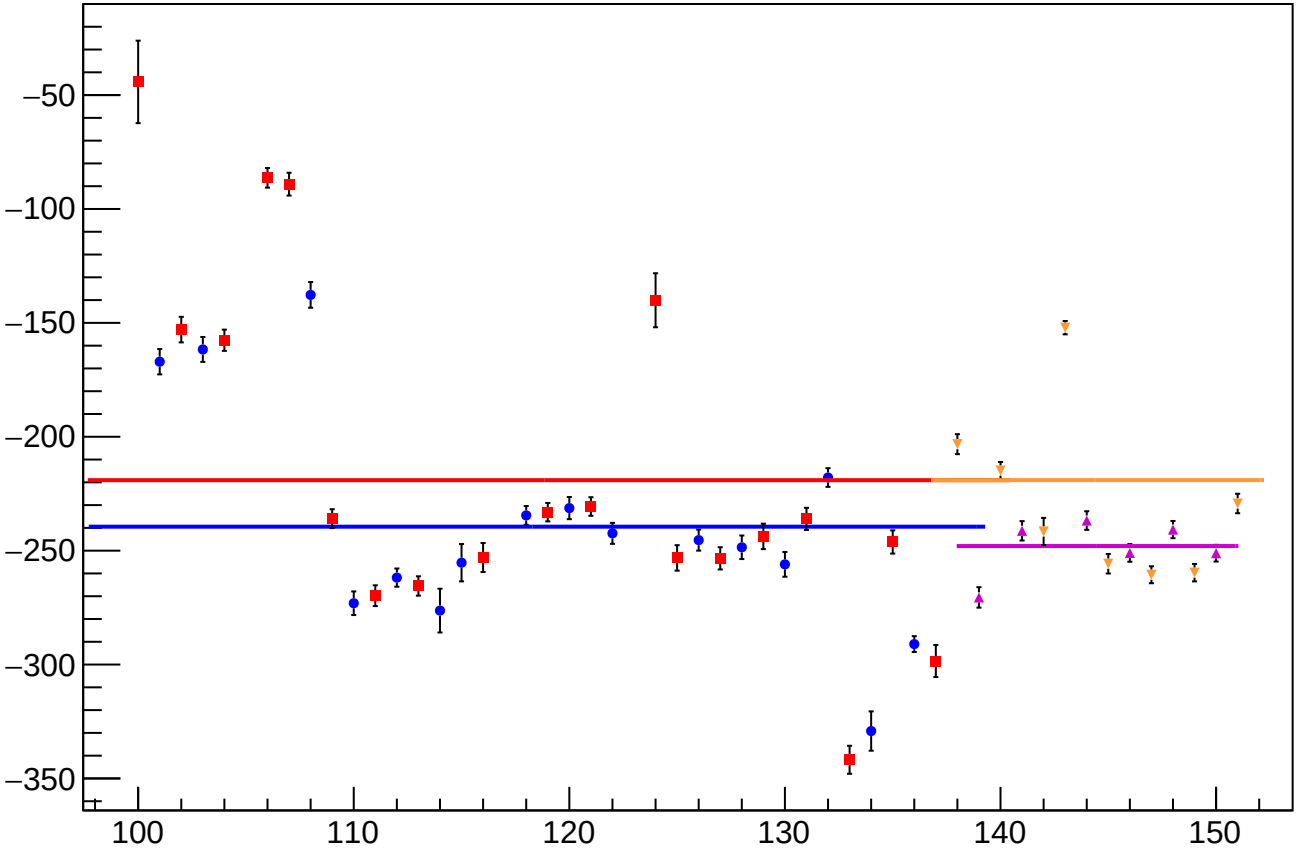
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.944+/-0.776 χ^2/NDF:407.3/21

Out: -2.357+/-0.695 χ^2/NDF:442.1/26

All: -1.728+/-0.518 χ^2/NDF: 851.3/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.030+/-1.391 χ^2/NDF:868.6/7

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.975+/-1.632 χ^2/NDF:40.2/5

Left: -231.208+/-1.059 χ^2/NDF: 1091.0/13

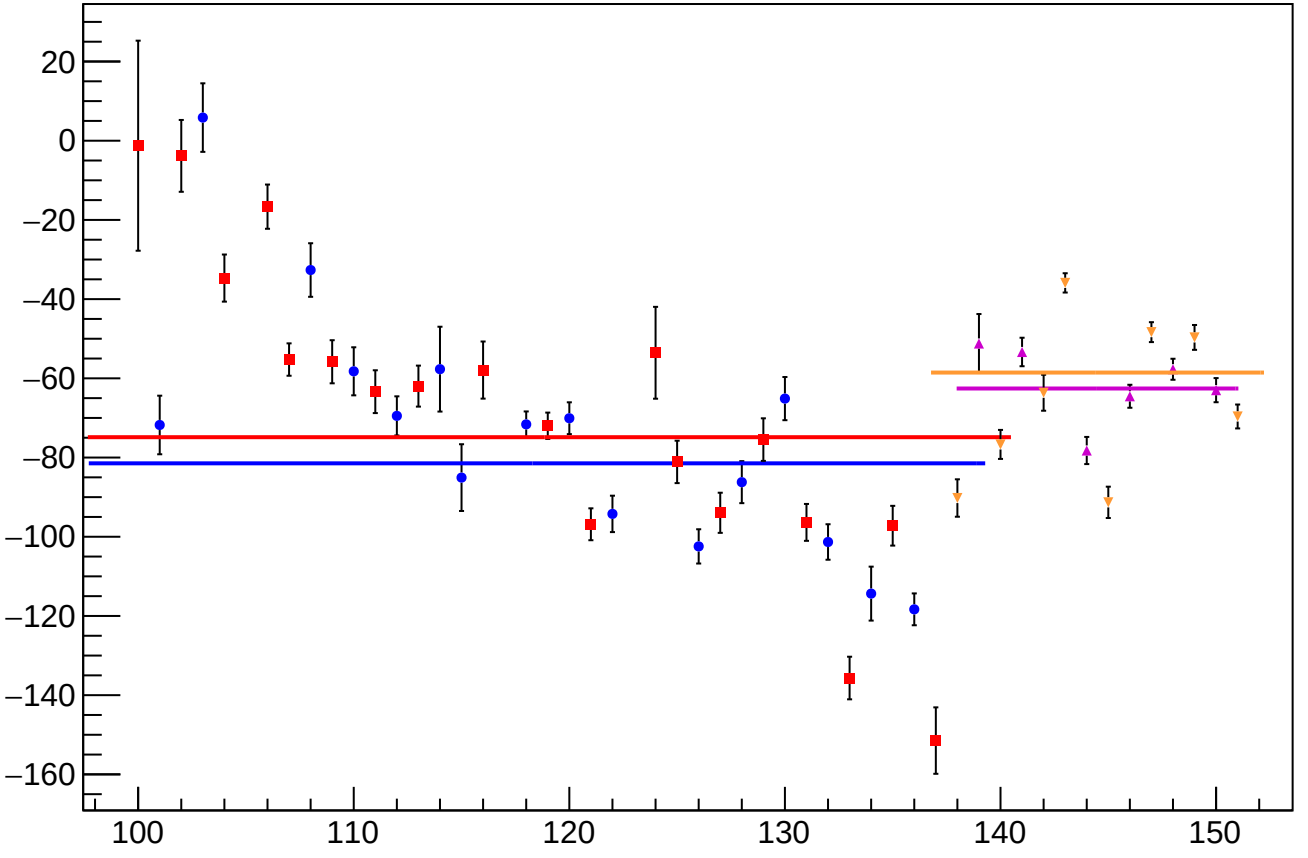
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.598+/-0.990 χ^2/NDF:1219.6/21

Out: -219.044+/-0.898 χ^2/NDF:3917.9/26

All: -229.677+/-0.665 χ^2/NDF: 5448.0/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -58.541+/-1.140 χ^2/NDF:263.7/7

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.568+/-1.349 χ^2/NDF:33.6/5

Left: -60.218+/-0.871 χ^2/NDF: 302.5/13

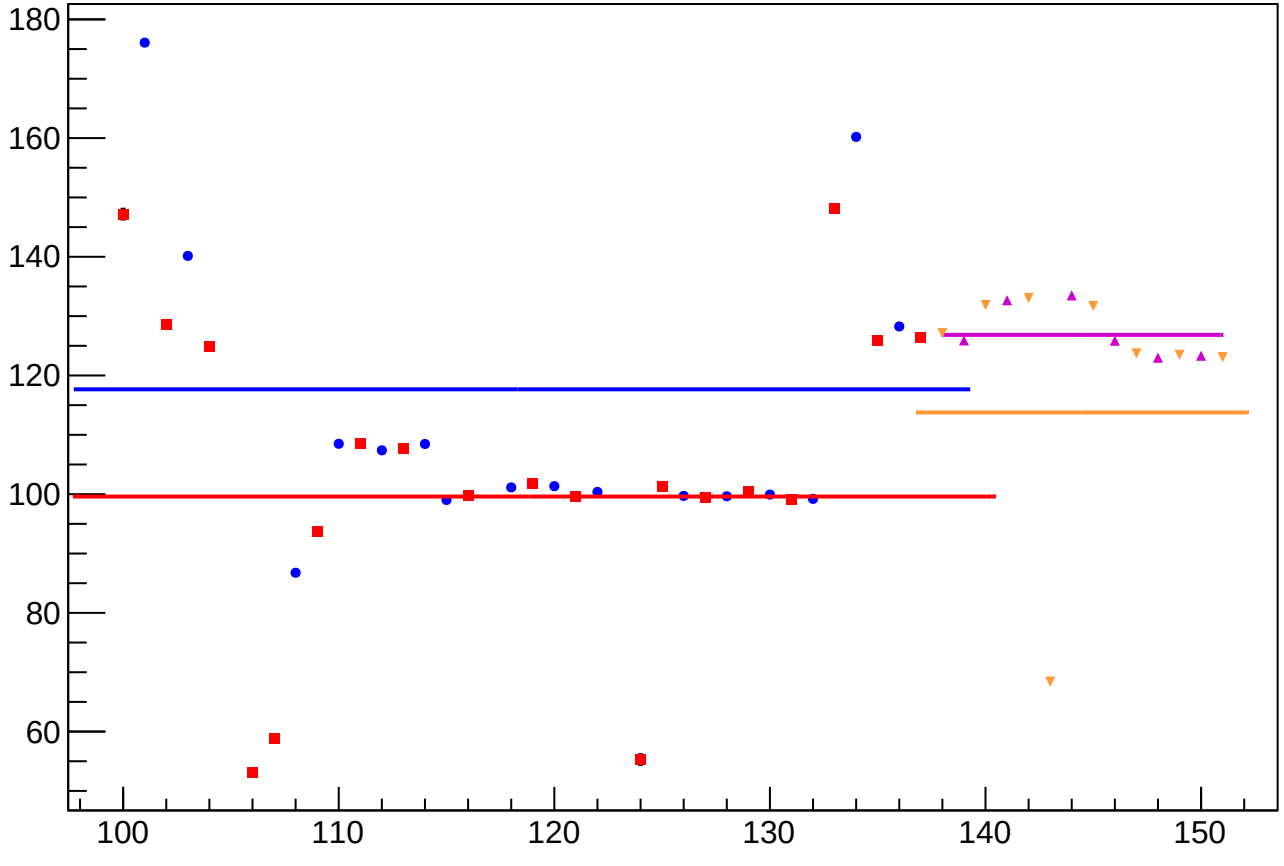
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -72.463+/-0.931 χ^2/NDF:502.8/21

Out: -66.080+/-0.836 χ^2/NDF:935.0/26

All: -68.929+/-0.622 χ^2/NDF: 1463.8/48

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: 113.768+/-0.058 χ^2/NDF:183964.2/7

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.842+/-0.067 χ^2/NDF:3708.8/5

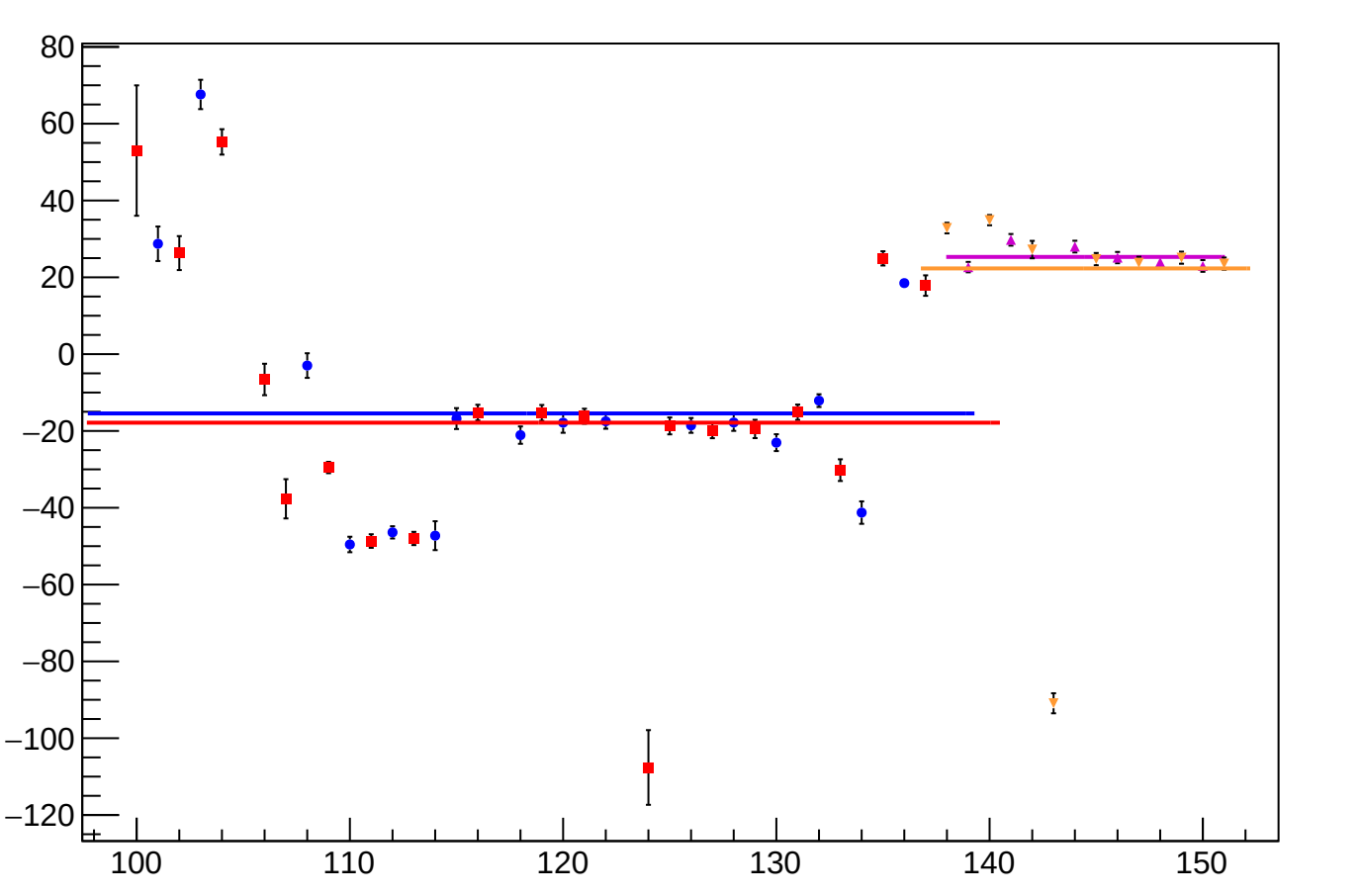
Left: 119.419+/-0.044 χ^2/NDF: 209535.1/13

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.986+/-0.051 χ^2/NDF:107077.6/21

Out: 108.017+/-0.045 χ^2/NDF:374308.3/26

All: 114.575+/-0.034 χ^2/NDF: 530303.1/48



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.317+/-0.576 χ^2/NDF:2035.6/7

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.311+/-0.608 χ^2/NDF:18.7/5

Left: 23.732+/-0.418 χ^2/NDF: 2067.1/13

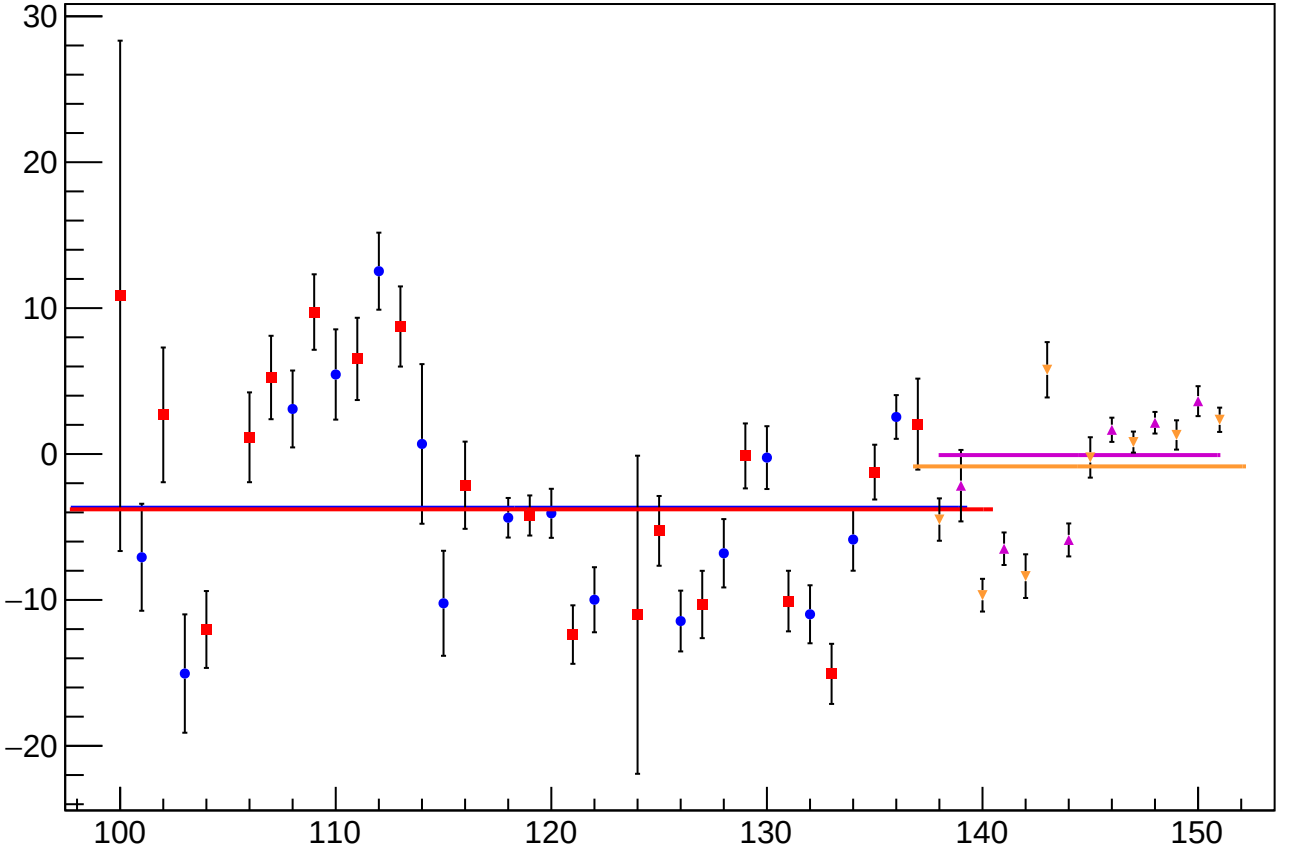
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 2.493+/-0.403 χ^2/NDF:4657.5/21

Out: 0.565+/-0.390 χ^2/NDF:6797.2/26

All: 1.495+/-0.280 χ^2/NDF: 11466.5/48

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.848+/-0.382 χ^2/NDF:130.6/7

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.072+/-0.409 χ^2/NDF:86.7/5

Left: -0.487+/-0.279 χ^2/NDF: 219.2/13

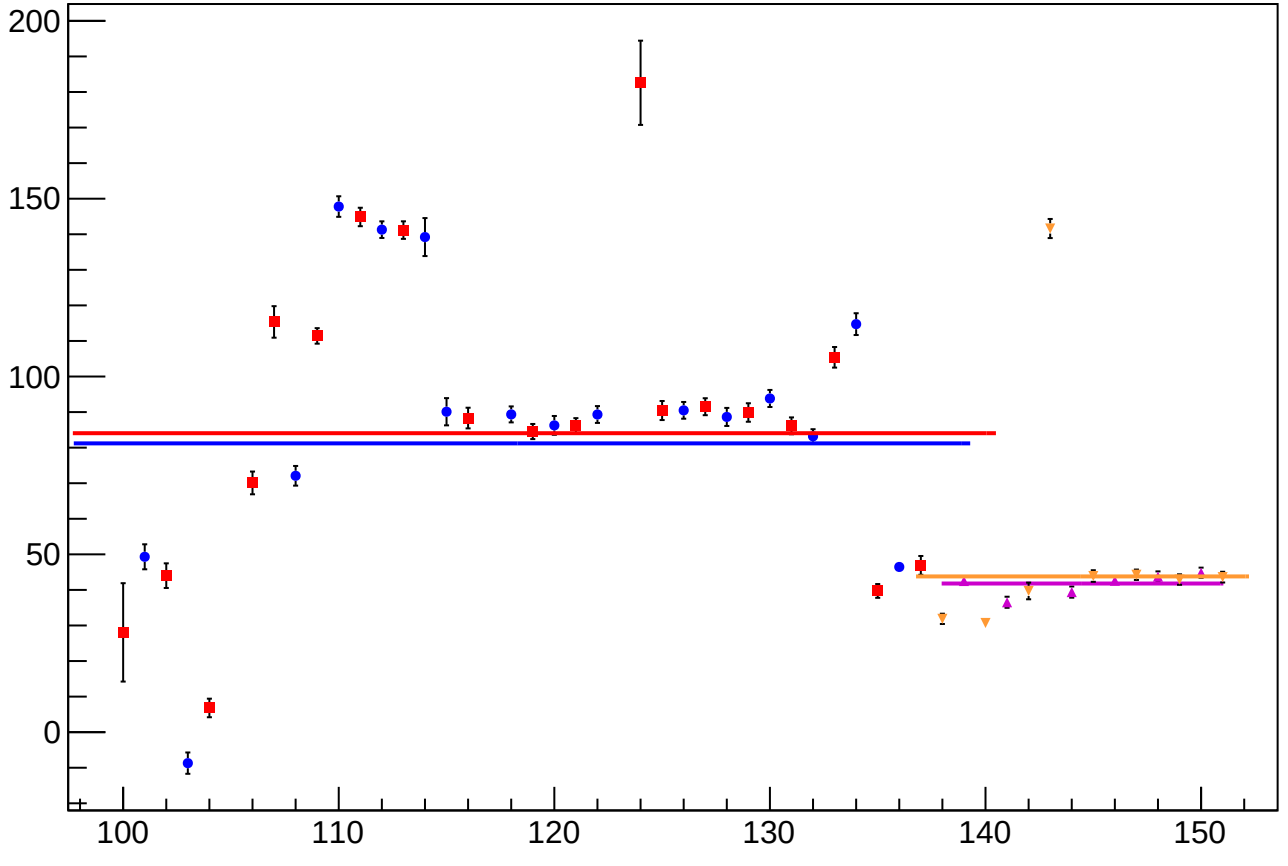
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.350+/-0.329 χ^2/NDF:238.2/21

Out: -1.772+/-0.316 χ^2/NDF:310.5/26

All: -1.569+/-0.228 χ^2/NDF: 549.6/48

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.792+/-0.571 χ^2/NDF:1487.3/7

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.798+/-0.600 χ^2/NDF:20.7/5

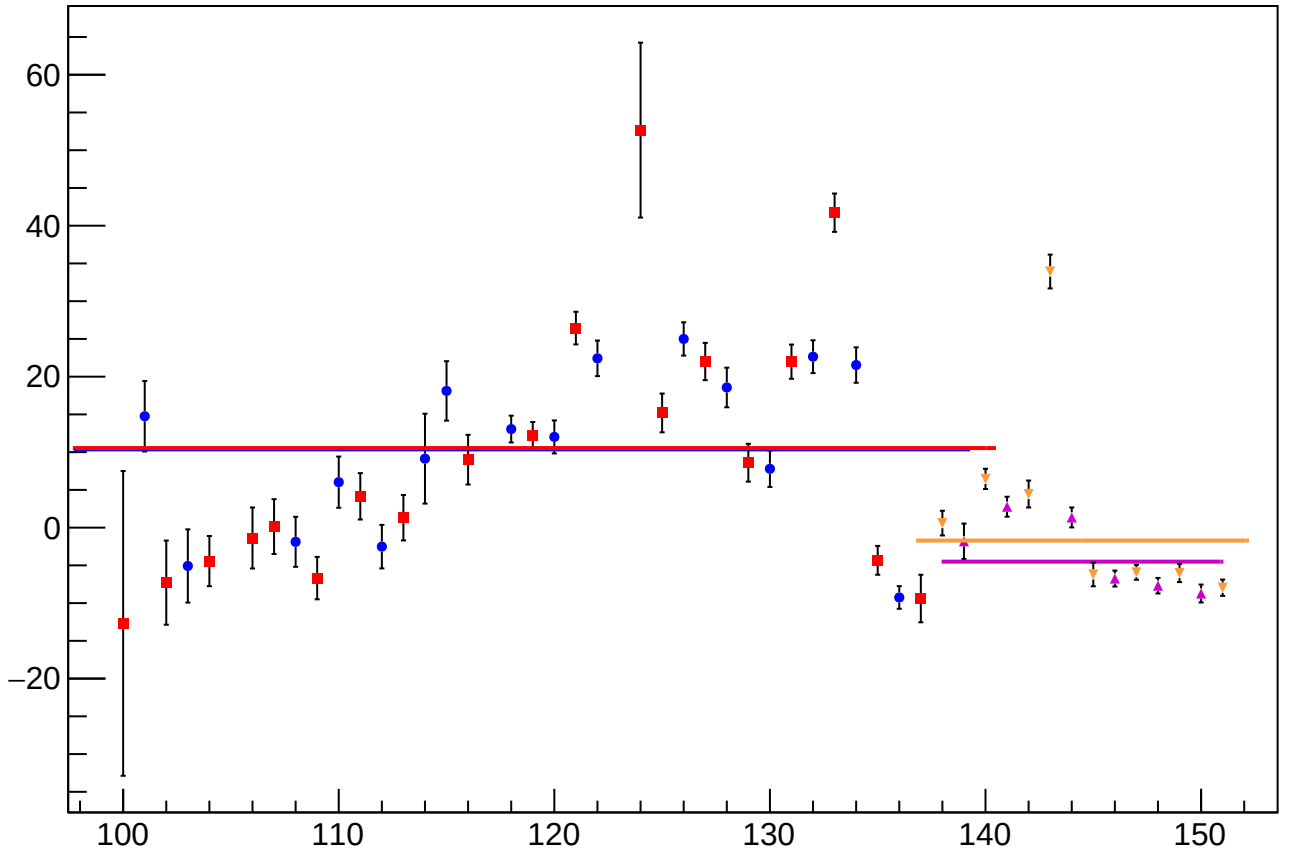
Left: 42.845+/-0.414 χ^2/NDF: 1513.8/13

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 61.276+/-0.427 χ^2/NDF:5382.0/21

Out: 62.387+/-0.419 χ^2/NDF:6992.6/26

All: 61.842+/-0.299 χ^2/NDF: 12378.0/48



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.711+/-0.476 χ^2/NDF:376.3/7

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.509+/-0.508 χ^2/NDF:78.0/5

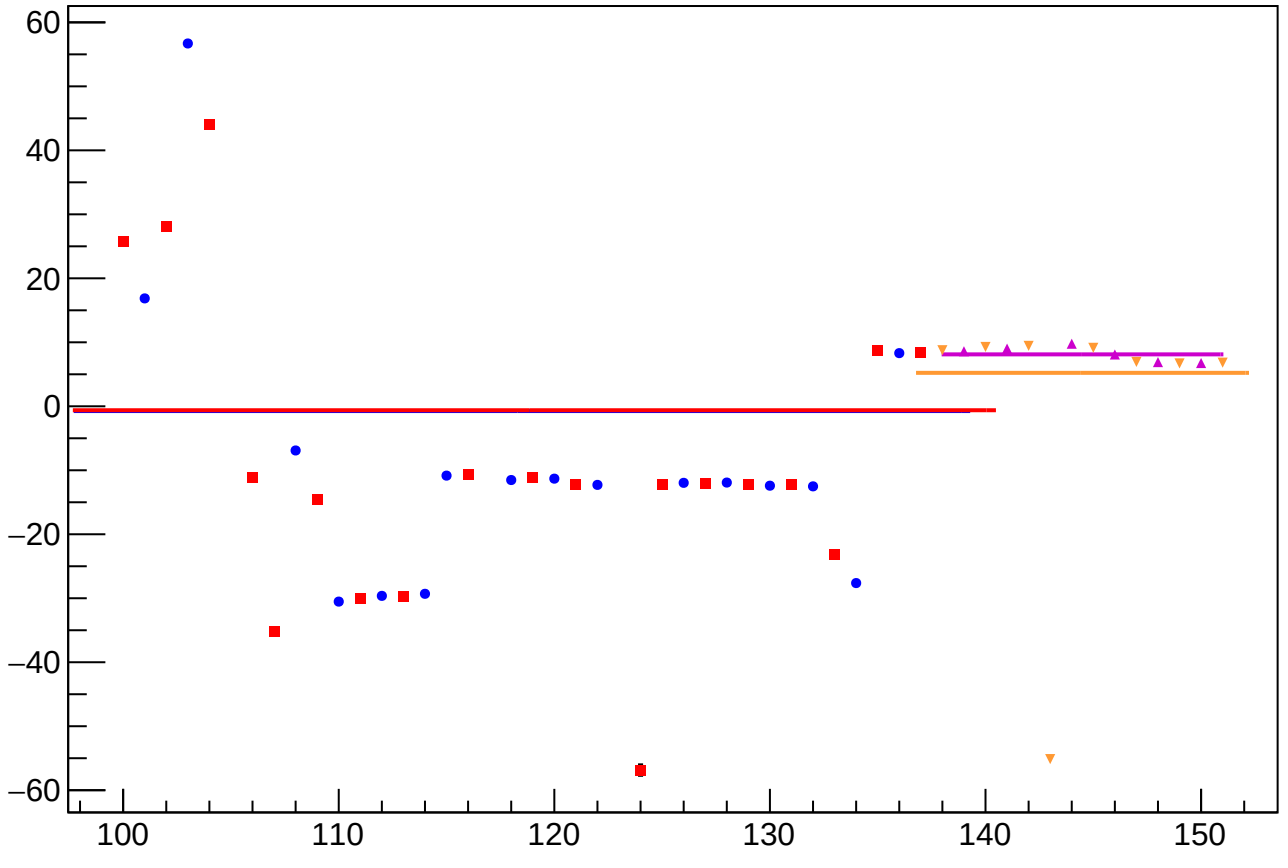
Left: -3.019+/-0.347 χ^2/NDF: 470.4/13

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 1.392+/-0.395 χ^2/NDF:777.9/21

Out: 2.648+/-0.382 χ^2/NDF:1082.9/26

All: 2.040+/-0.274 χ^2/NDF: 1866.0/48



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.227+/-0.024 χ^2/NDF:307627.6/7

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.114+/-0.024 χ^2/NDF:1819.2/5

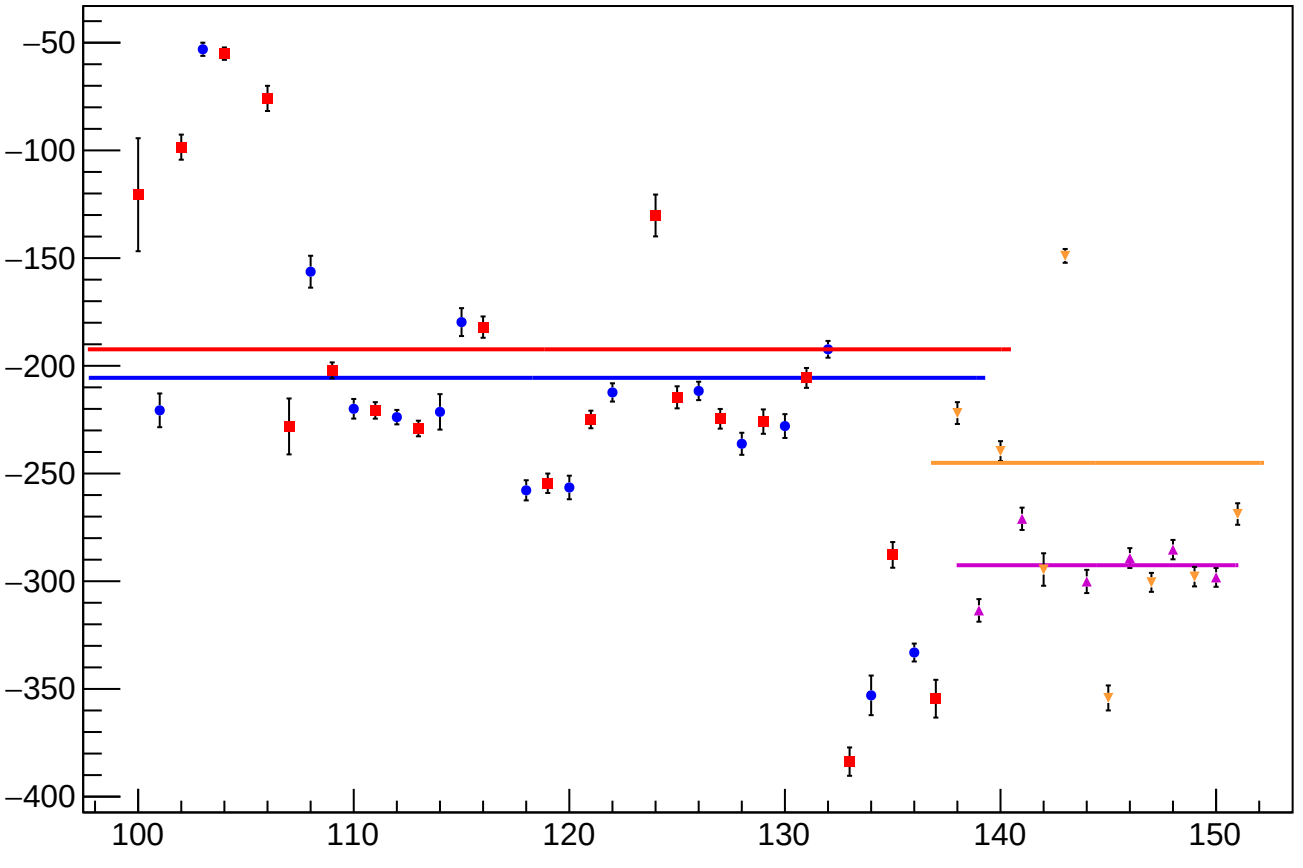
Left: 6.630+/-0.017 χ^2/NDF: 316727.3/13

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.334+/-0.020 χ^2/NDF:411648.8/21

Out: 3.560+/-0.020 χ^2/NDF:641644.7/26

All: 4.440+/-0.014 χ^2/NDF: 1057219.9/48



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -245.052+/-1.642 χ^2/NDF:1632.9/7

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -292.571+/-1.973 χ^2/NDF:40.1/5

Left: -264.500+/-1.262 χ^2/NDF: 2015.7/13

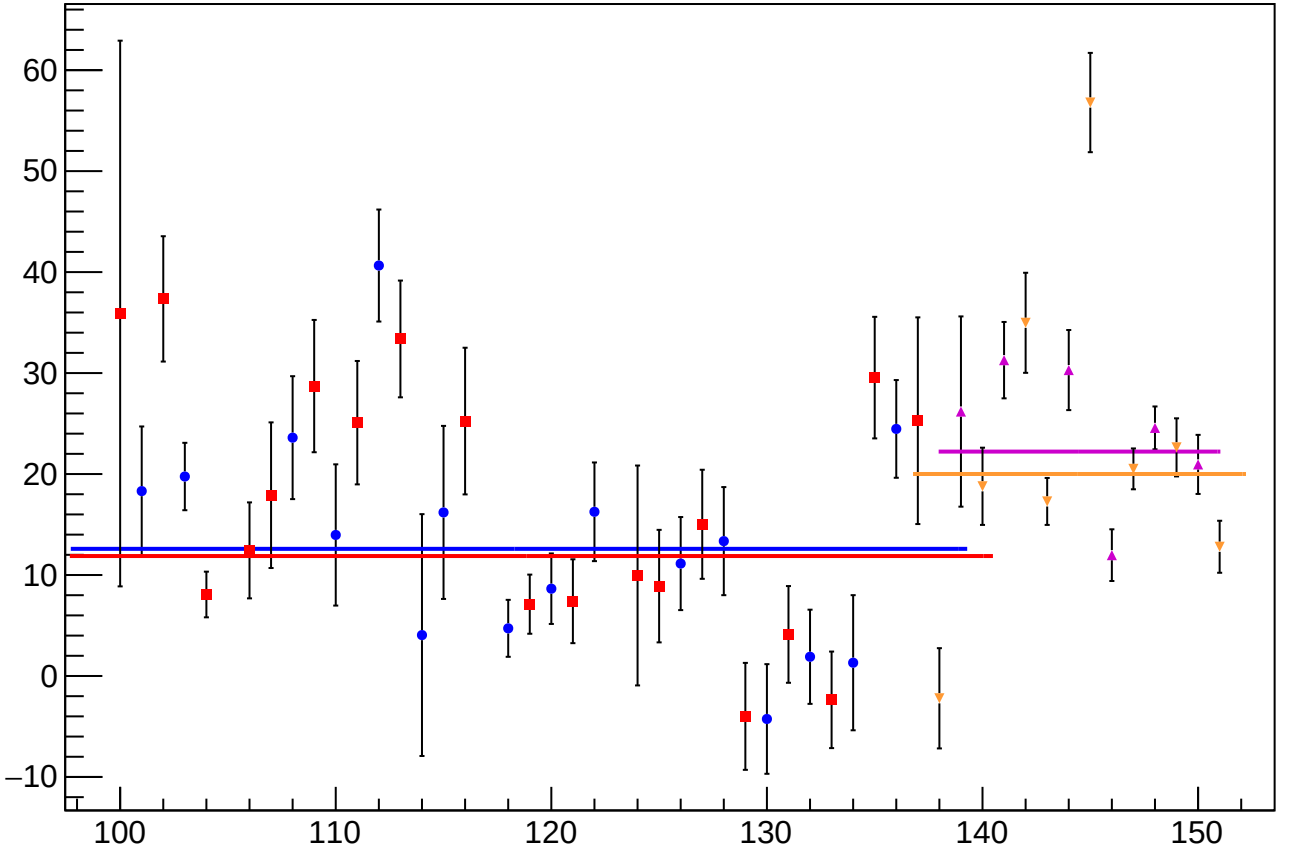
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -228.637+/-1.016 χ^2/NDF:5525.3/21

Out: -209.132+/-0.927 χ^2/NDF:7304.9/26

All: -217.993+/-0.685 χ^2/NDF: 13031.5/48

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: 20.005+/-1.059 χ^2/NDF:95.3/7

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 22.223+/-1.253 χ^2/NDF:27.5/5

Left: 20.929+/-0.809 χ^2/NDF: 124.7/13

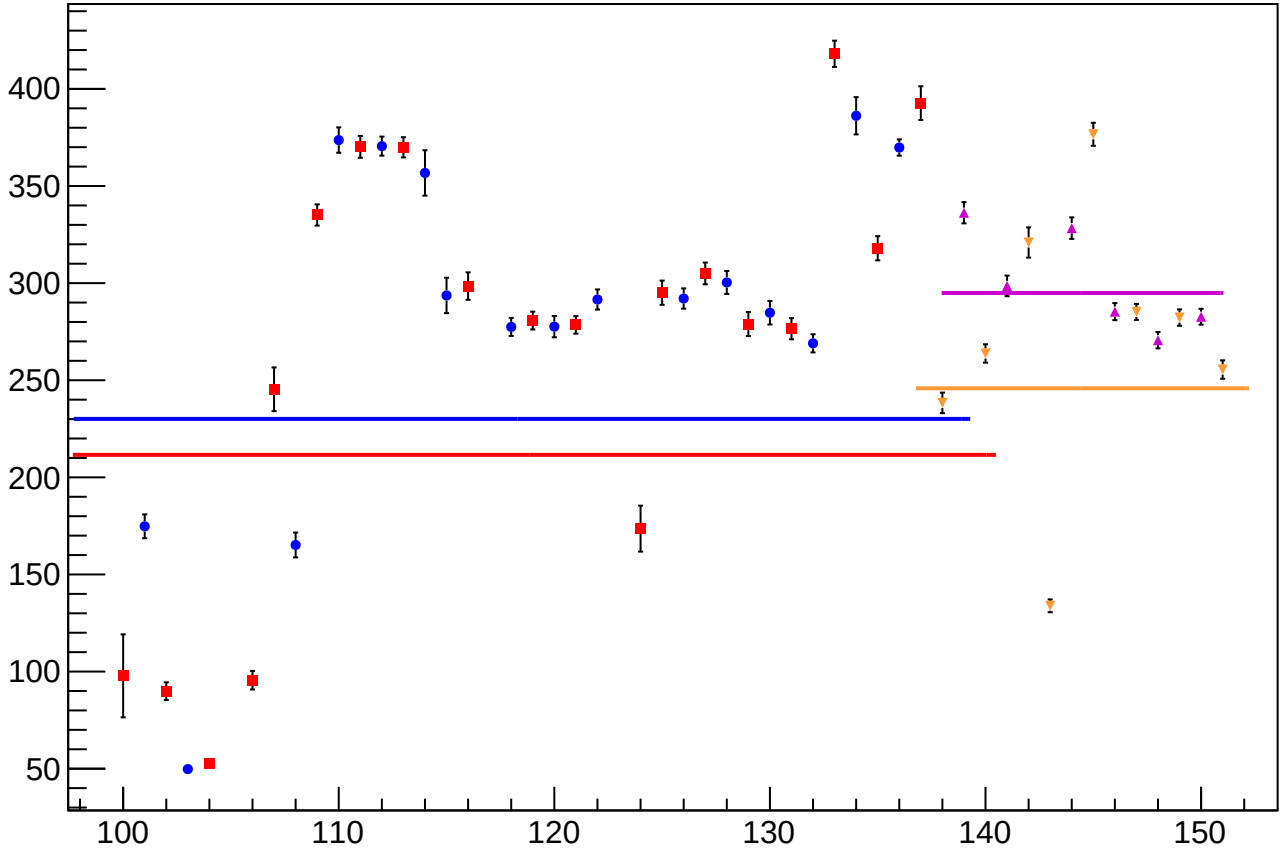
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 17.209+/-0.868 χ^2/NDF:126.8/21

Out: 16.176+/-0.770 χ^2/NDF:208.0/26

All: 16.631+/-0.576 χ^2/NDF: 335.6/48

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: 245.864+/-1.629 χ^2/NDF:1919.7/7

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 294.923+/-1.927 χ^2/NDF:140.8/5

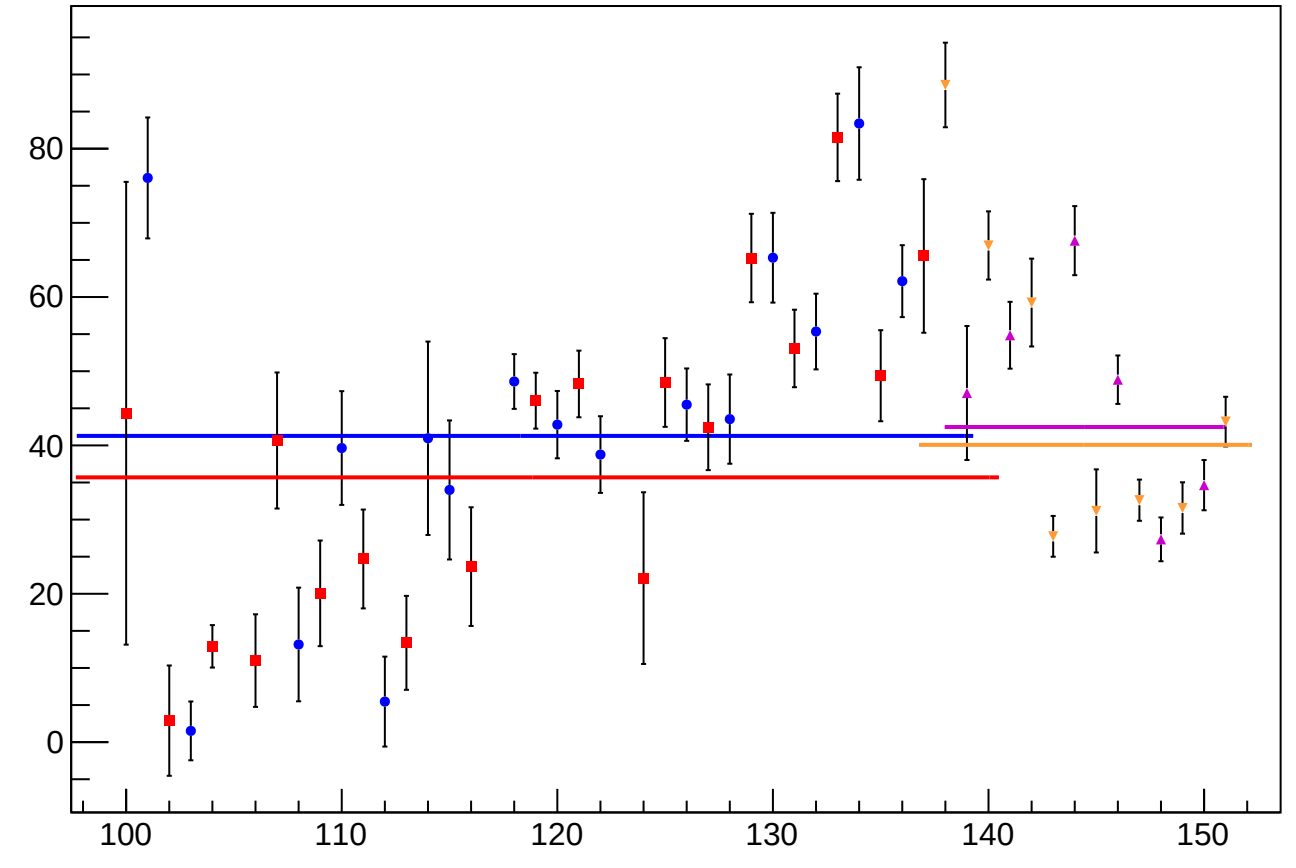
Left: 266.310+/-1.244 χ^2/NDF: 2438.5/13

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 249.503+/-1.054 χ^2/NDF:10309.5/21

Out: 223.585+/-0.964 χ^2/NDF:13679.7/26

All: 235.382+/-0.711 χ^2/NDF: 24318.4/48



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 40.071+/-1.321 χ^2/NDF:153.8/7

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 42.480+/-1.574 χ^2/NDF:72.4/5

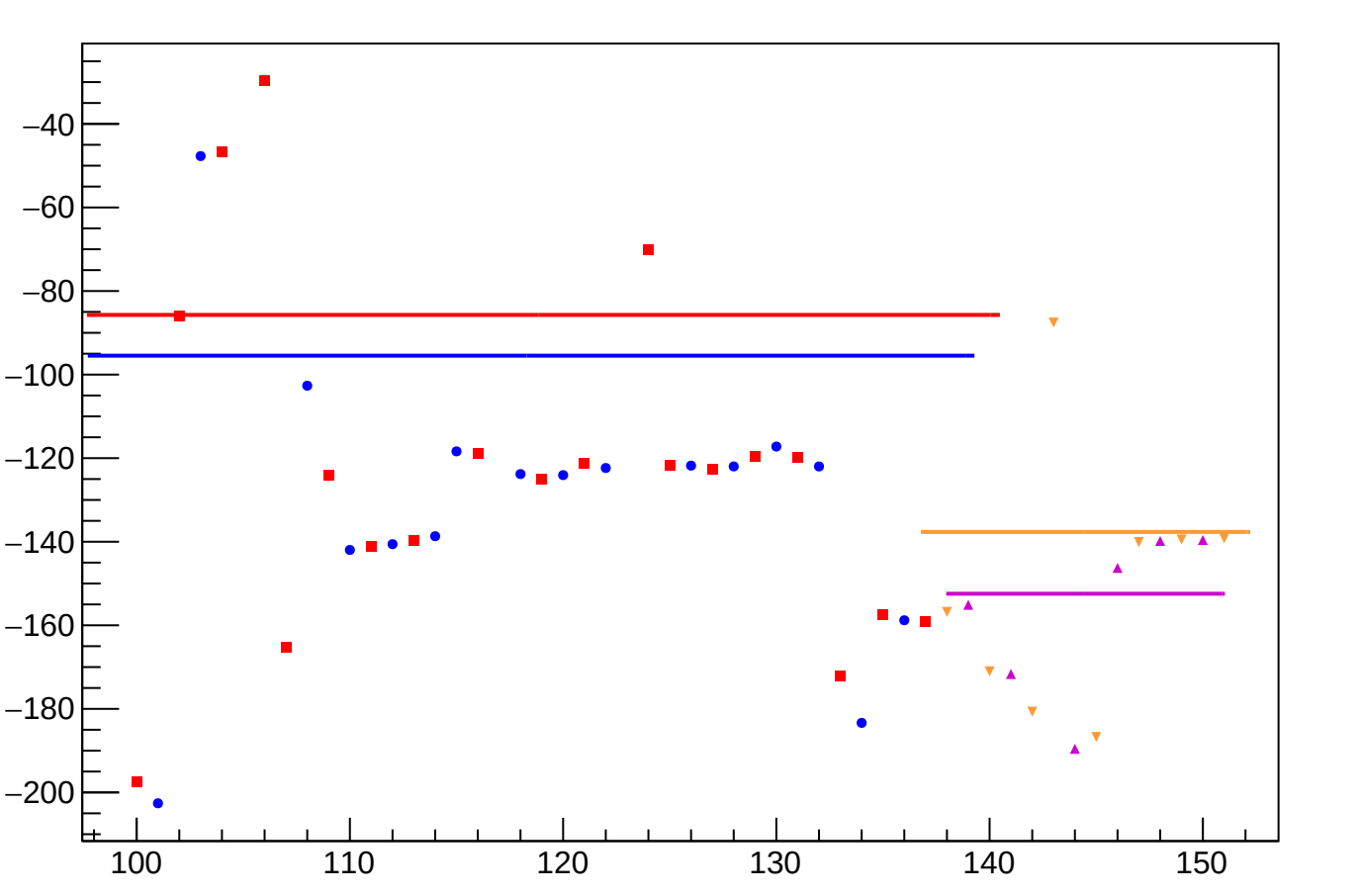
Left: 41.067+/-1.012 χ^2/NDF: 227.6/13

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 41.810+/-1.045 χ^2/NDF:318.5/21

Out: 37.875+/-0.933 χ^2/NDF:412.5/26

All: 39.620+/-0.696 χ^2/NDF: 738.9/48



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.652+/-0.068 χ^2/NDF:228280.4/7

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -152.443+/-0.079 χ^2/NDF:42783.8/5

Left: -144.009+/-0.051 χ^2/NDF: 291303.1/13

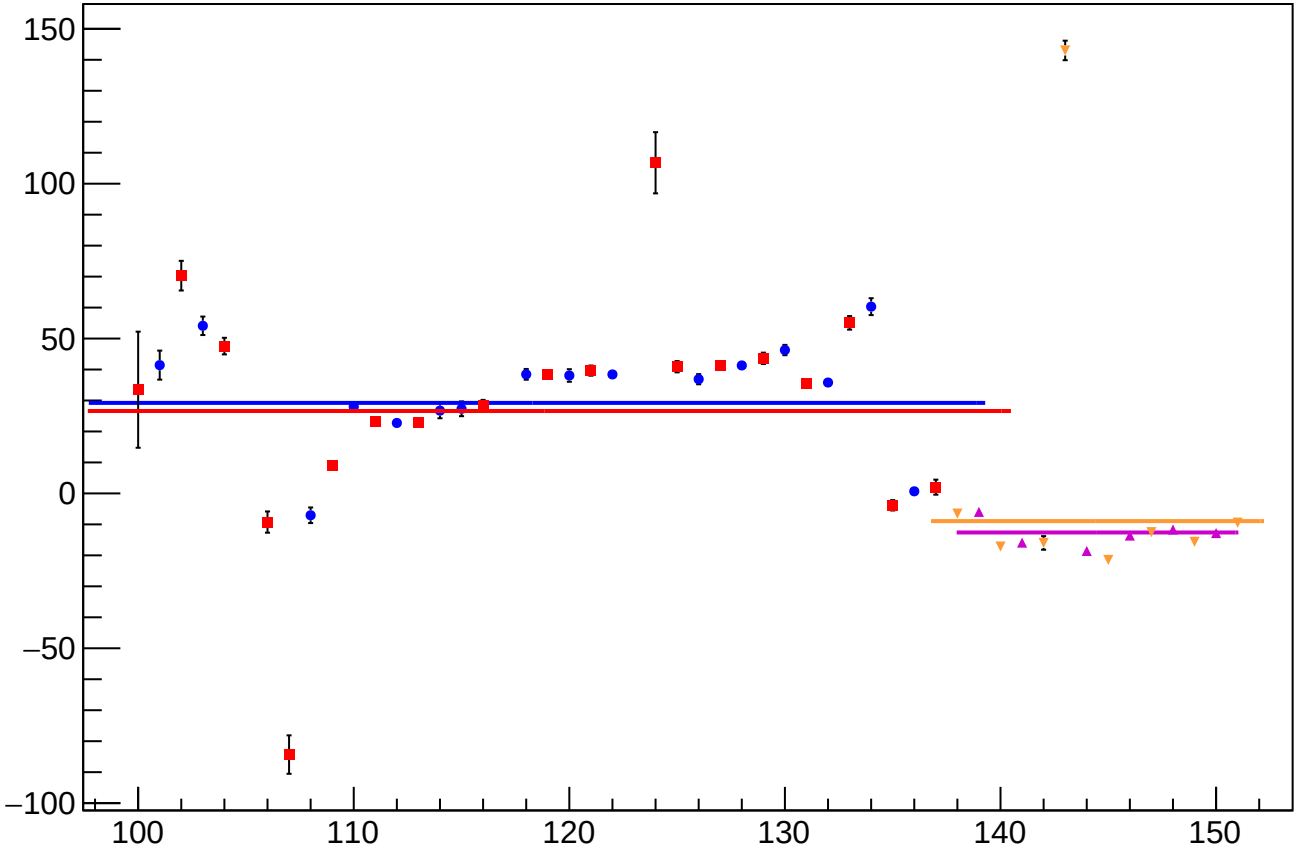
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -120.483+/-0.052 χ^2/NDF:858200.9/21

Out: -111.220+/-0.048 χ^2/NDF:1006395.1/26

All: -115.457+/-0.035 χ^2/NDF: 1881801.2/48

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -8.939+/-0.541 χ^2/NDF:2467.0/7

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.612+/-0.566 χ^2/NDF:51.8/5

Left: -10.694+/-0.391 χ^2/NDF: 2540.7/13

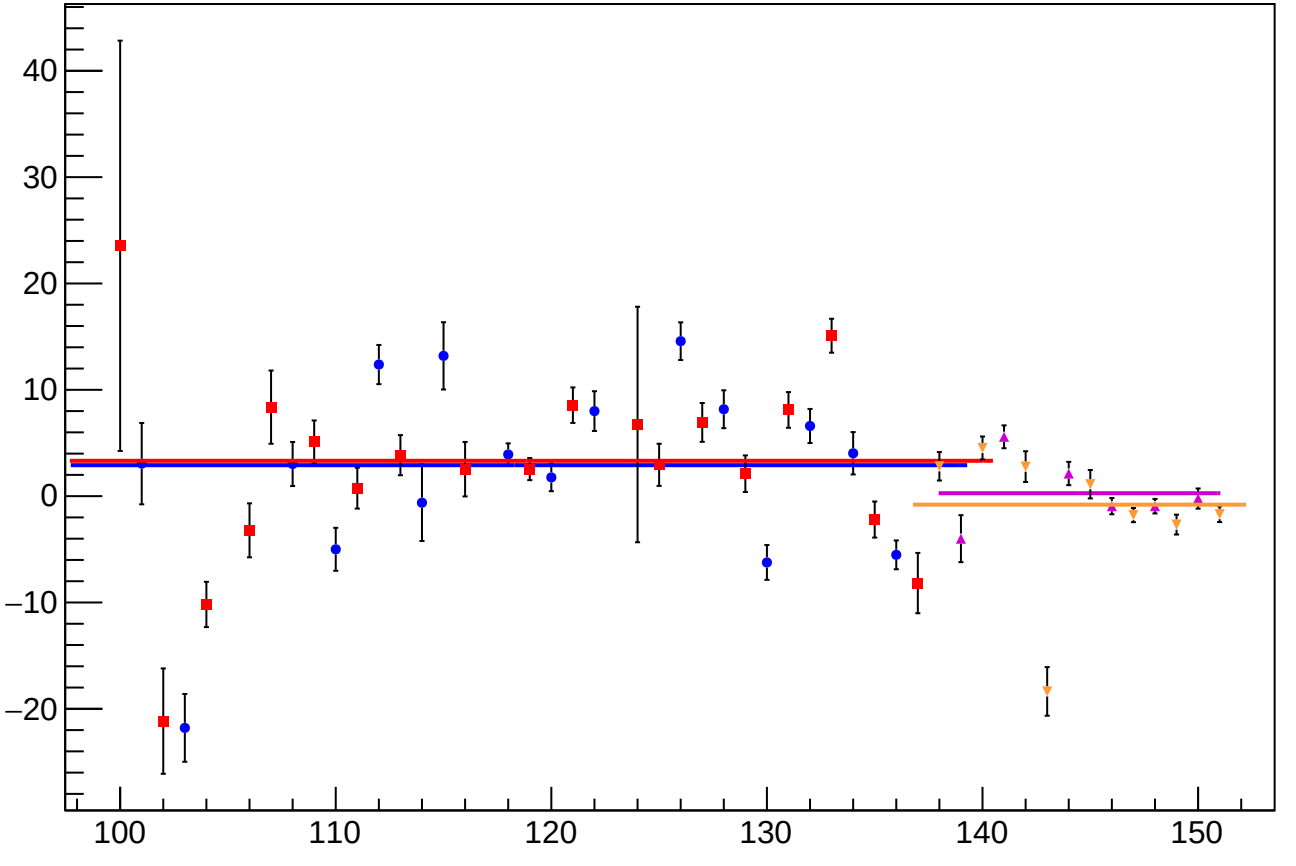
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 14.186+/-0.340 χ^2/NDF:4891.3/21

Out: 13.490+/-0.329 χ^2/NDF:7107.4/26

All: 13.827+/-0.236 χ^2/NDF: 12000.9/48

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.799+/-0.356 χ^2/NDF:106.5/7

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.277+/-0.381 χ^2/NDF:37.0/5

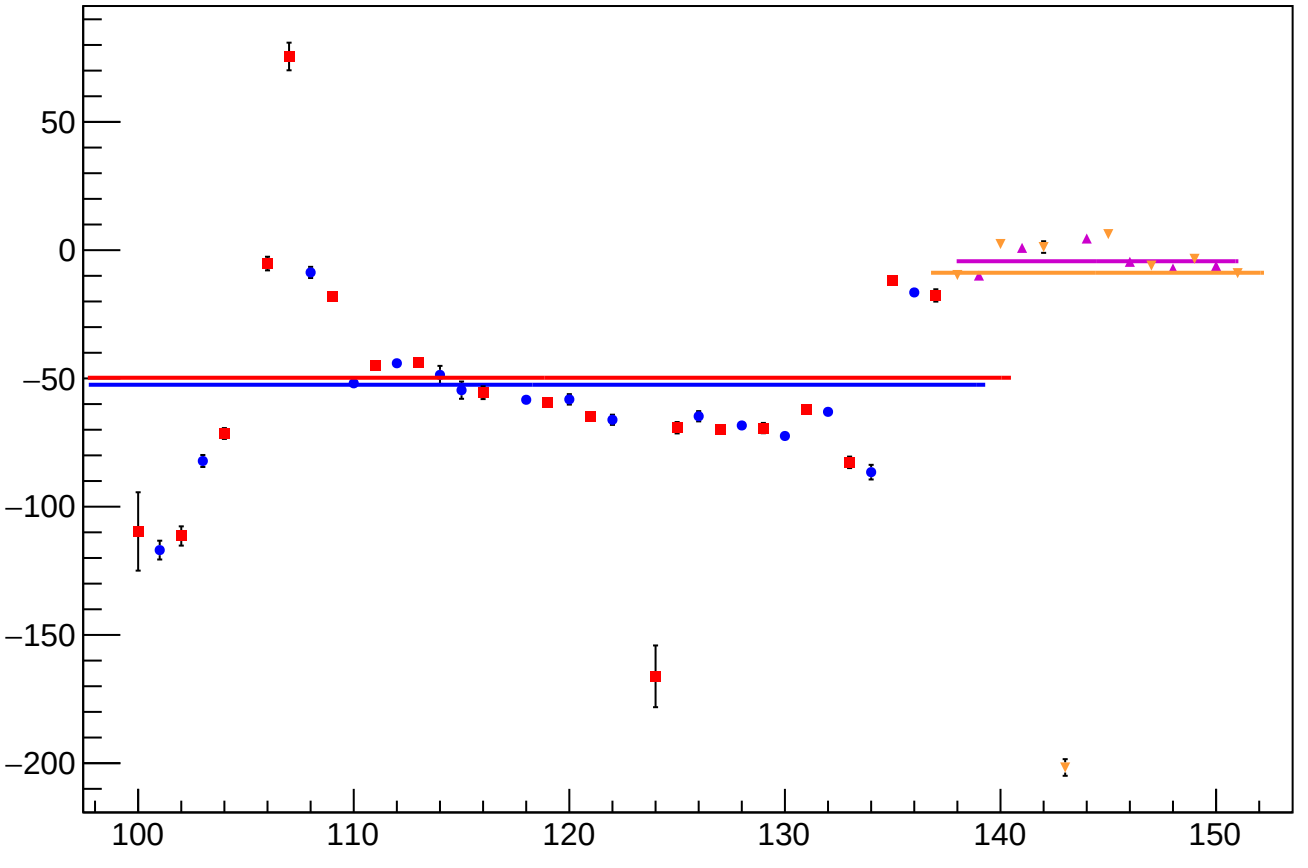
Left: -0.297+/-0.260 χ^2/NDF: 147.8/13

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

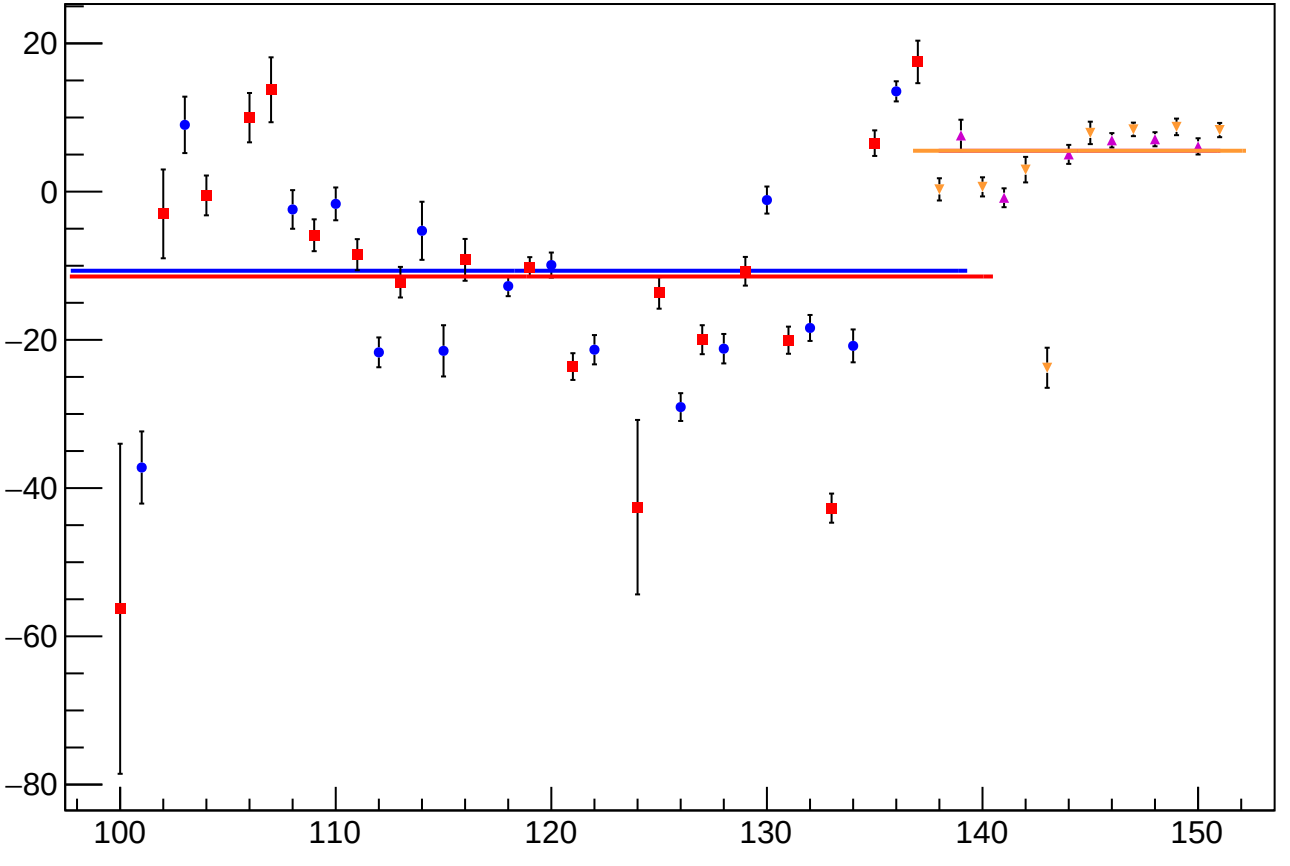
In: 1.401+/-0.289 χ^2/NDF:307.3/21

Out: 0.776+/-0.280 χ^2/NDF:339.4/26

All: 1.079+/-0.201 χ^2/NDF: 649.2/48


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
150
Right In: -52.467+/-0.488 χ²/NDF: 2330.2/15
Left Out: -8.804+/-0.536 χ²/NDF:3736.6/7
Right Out: -49.734+/-0.494 χ²/NDF: 3009.7/18
Left In: -4.315+/-0.559 χ²/NDF:71.4/5
Left: -6.653+/-0.387 χ²/NDF: 3841.6/13
Right: -51.118+/-0.347 χ²/NDF: 5355.4/34
In: -31.632+/-0.367 χ²/NDF:6618.1/21
Out: -30.928+/-0.363 χ²/NDF:9899.9/26
All: -31.276+/-0.258 χ²/NDF: 16519.9/48

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.516+/-0.446 χ^2/NDF:174.8/7

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.504+/-0.474 χ^2/NDF:31.0/5

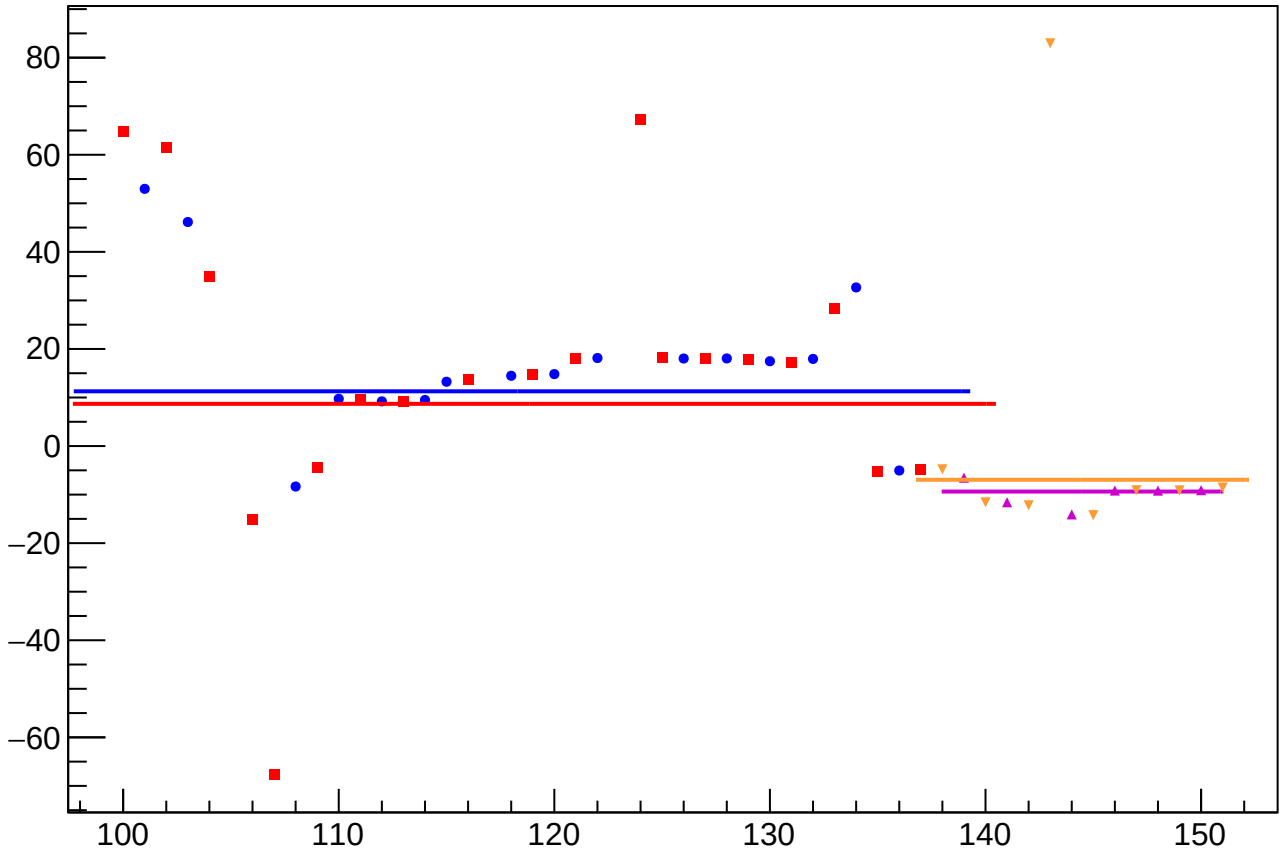
Left: 5.510+/-0.325 χ^2/NDF: 205.8/13

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -2.070+/-0.346 χ^2/NDF:1242.3/21

Out: -1.733+/-0.337 χ^2/NDF:1459.6/26

All: -1.897+/-0.241 χ^2/NDF: 2702.4/48



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.944+/-0.022 χ^2/NDF:471460.1/7

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.371+/-0.023 χ^2/NDF:10067.8/5

Left: -8.134+/-0.016 χ^2/NDF: 487449.0/13

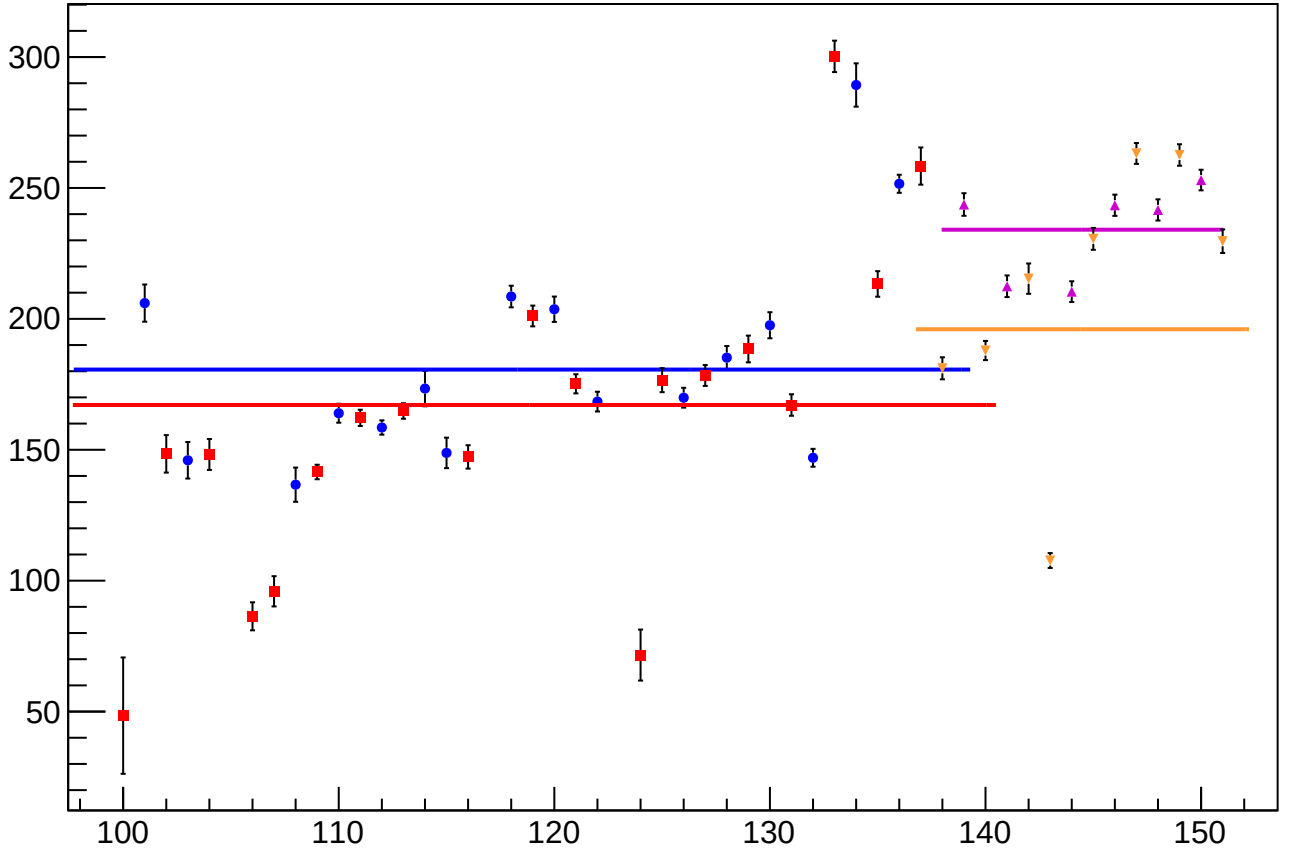
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -1.907+/-0.018 χ^2/NDF:663455.8/21

Out: -1.770+/-0.018 χ^2/NDF:1073457.1/26

All: -1.839+/-0.013 χ^2/NDF: 1736941.9/48

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: 196.029+/-1.396 χ^2/NDF:1665.3/7

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.057+/-1.661 χ^2/NDF:99.9/5

Left: 211.766+/-1.068 χ^2/NDF: 2072.5/13

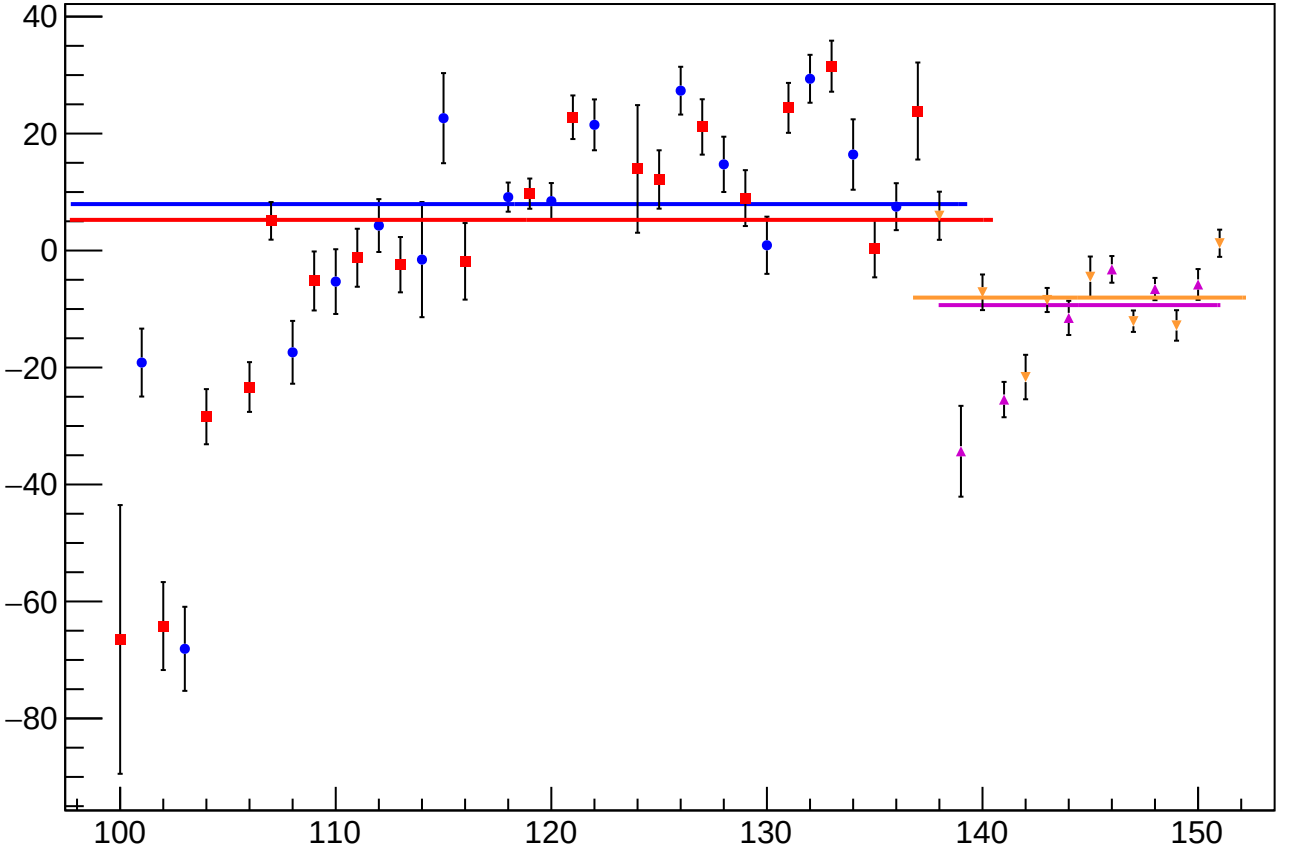
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 196.709+/-0.911 χ^2/NDF:1816.6/21

Out: 177.184+/-0.824 χ^2/NDF:3429.7/26

All: 185.968+/-0.611 χ^2/NDF: 5498.9/48

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: -8.044+/-0.919 χ^2/NDF:49.7/7

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -9.330+/-1.081 χ^2/NDF:50.5/5

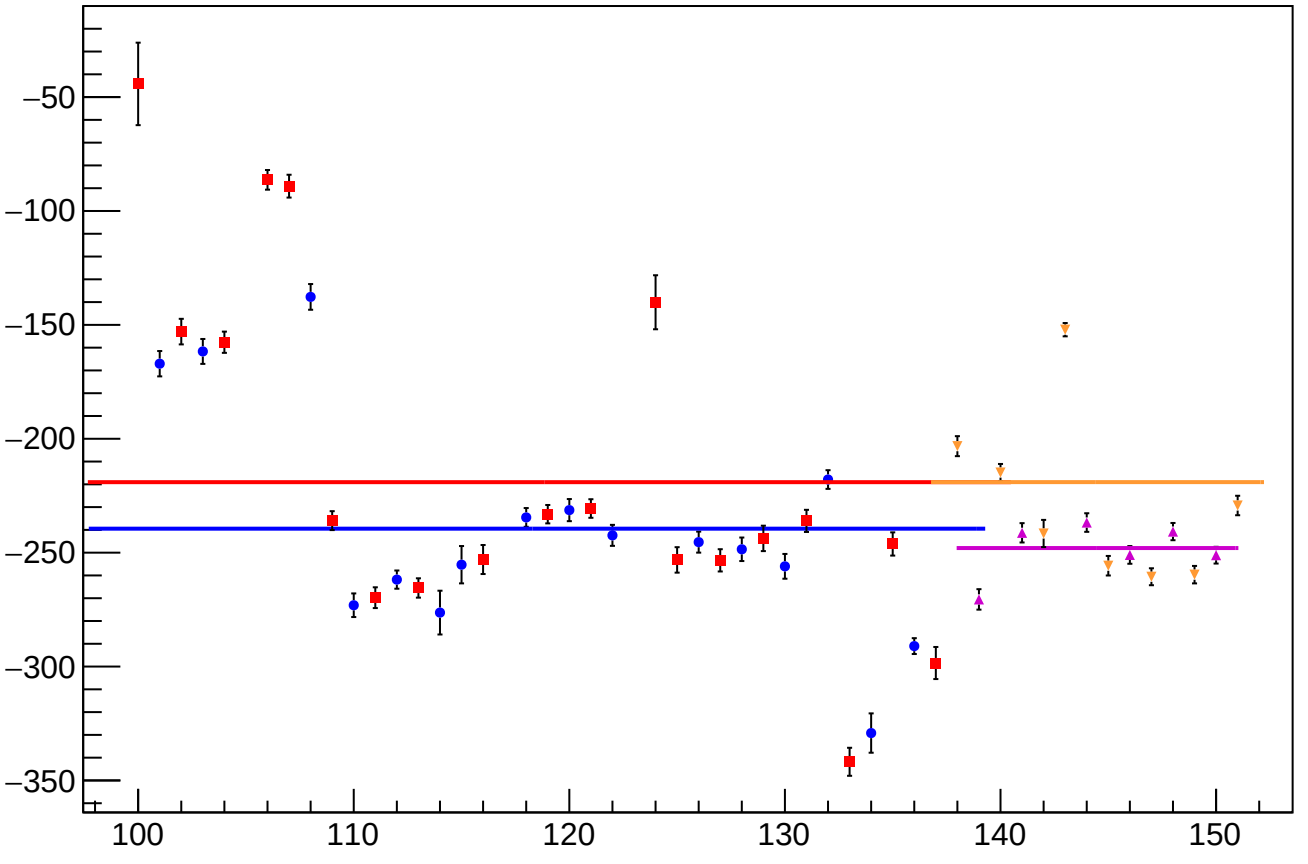
Left: -8.583+/-0.700 χ^2/NDF: 101.0/13

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.944+/-0.776 χ^2/NDF:407.3/21

Out: -2.357+/-0.695 χ^2/NDF:442.1/26

All: -1.728+/-0.518 χ^2/NDF: 851.3/48



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.030+/-1.391 χ^2/NDF:868.6/7

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.975+/-1.632 χ^2/NDF:40.2/5

Left: -231.208+/-1.059 χ^2/NDF: 1091.0/13

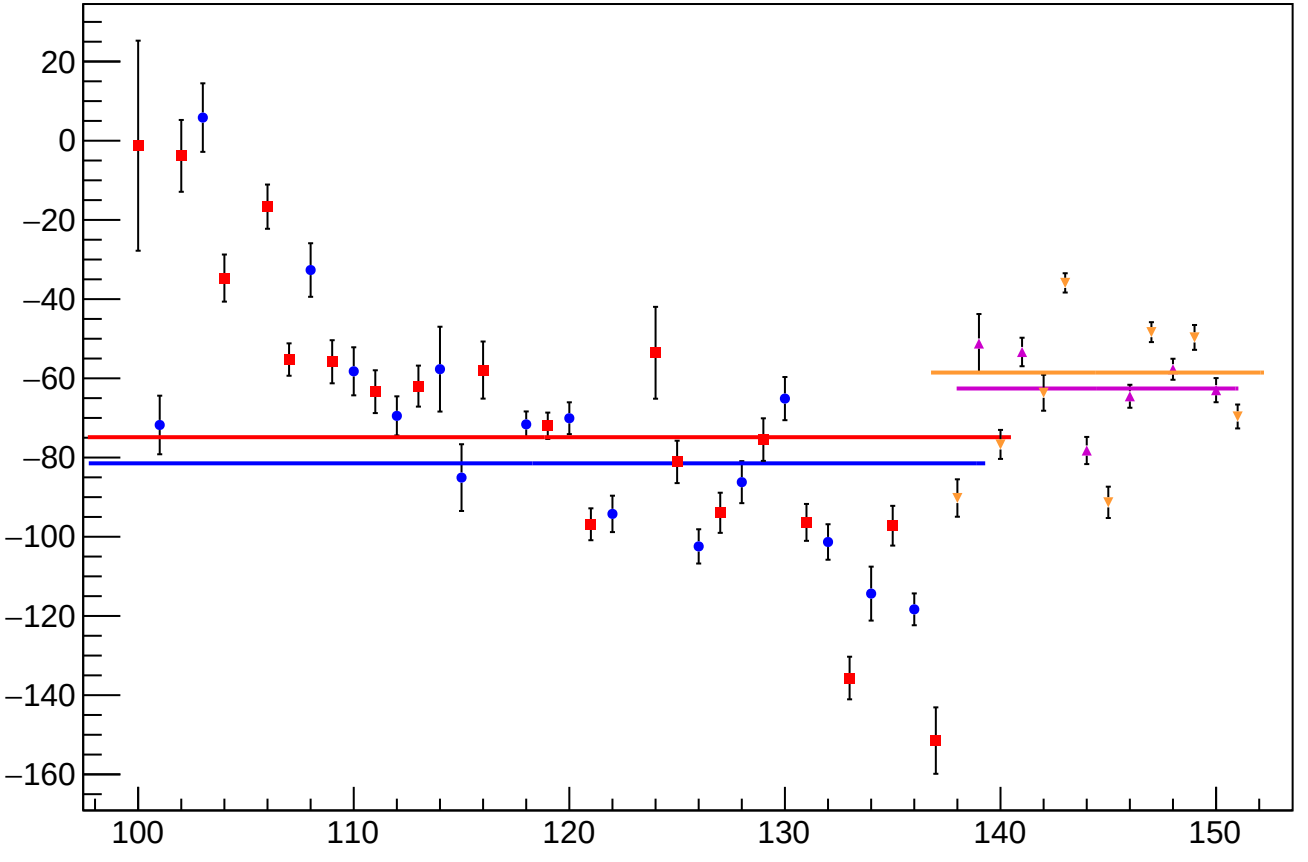
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.598+/-0.990 χ^2/NDF:1219.6/21

Out: -219.044+/-0.898 χ^2/NDF:3917.9/26

All: -229.677+/-0.665 χ^2/NDF: 5448.0/48

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: -58.541+/-1.140 χ^2/NDF:263.7/7

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.568+/-1.349 χ^2/NDF:33.6/5

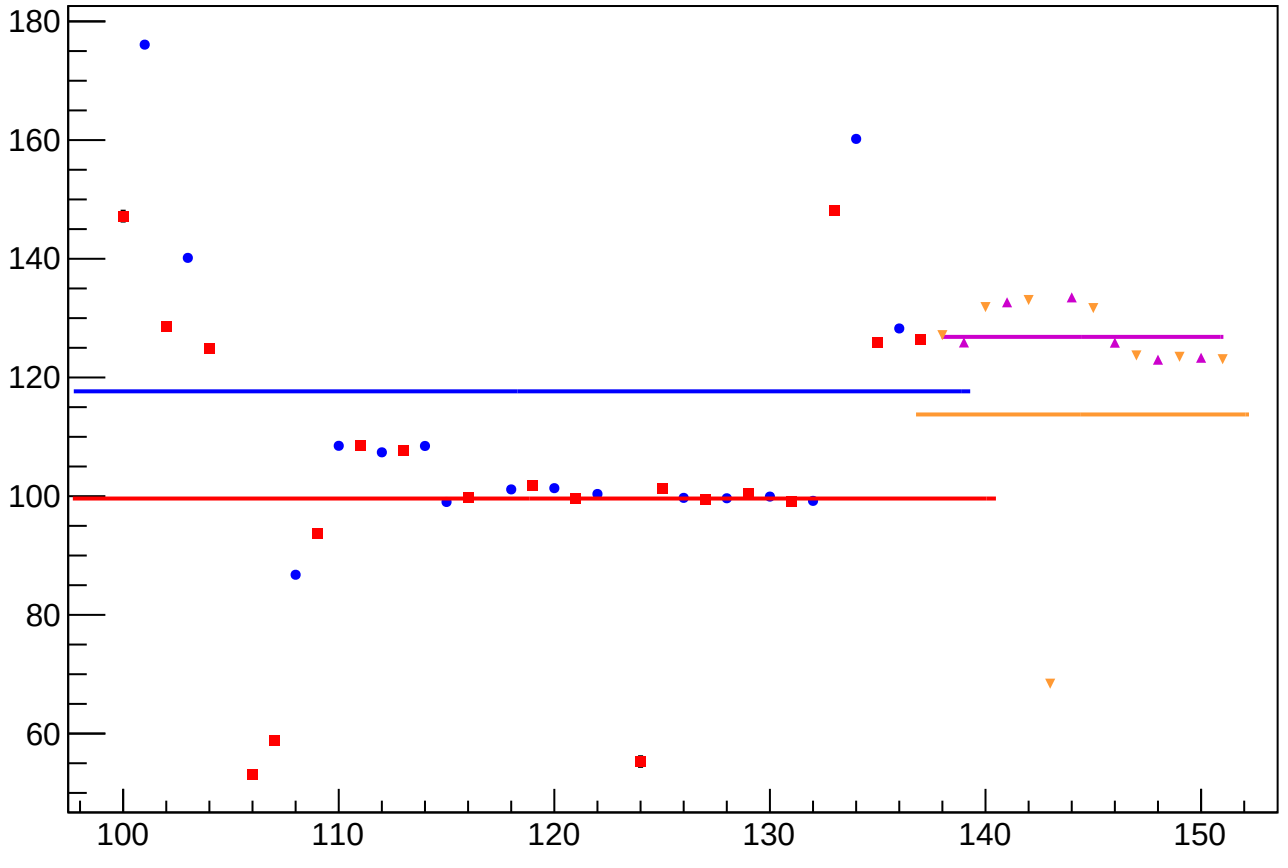
Left: -60.218+/-0.871 χ^2/NDF: 302.5/13

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -72.463+/-0.931 χ^2/NDF:502.8/21

Out: -66.080+/-0.836 χ^2/NDF:935.0/26

All: -68.929+/-0.622 χ^2/NDF: 1463.8/48



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 113.768+/-0.058 χ^2/NDF:183964.2/7

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.842+/-0.067 χ^2/NDF:3708.8/5

Left: 119.419+/-0.044 χ^2/NDF: 209535.1/13

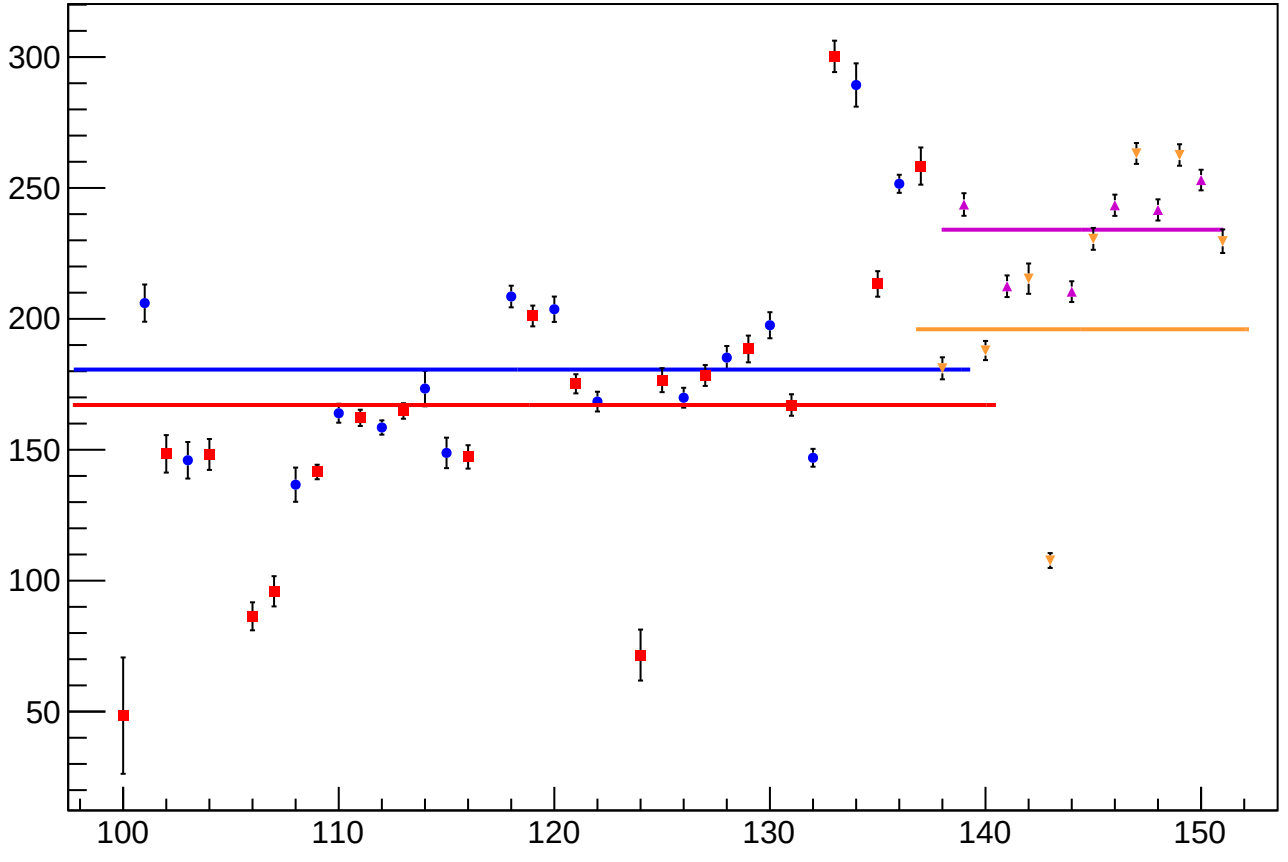
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.986+/-0.051 χ^2/NDF:107077.6/21

Out: 108.017+/-0.045 χ^2/NDF:374308.3/26

All: 114.575+/-0.034 χ^2/NDF: 530303.1/48

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: 196.029+/-1.396 χ^2/NDF:1665.3/7

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.057+/-1.661 χ^2/NDF:99.9/5

Left: 211.766+/-1.068 χ^2/NDF: 2072.5/13

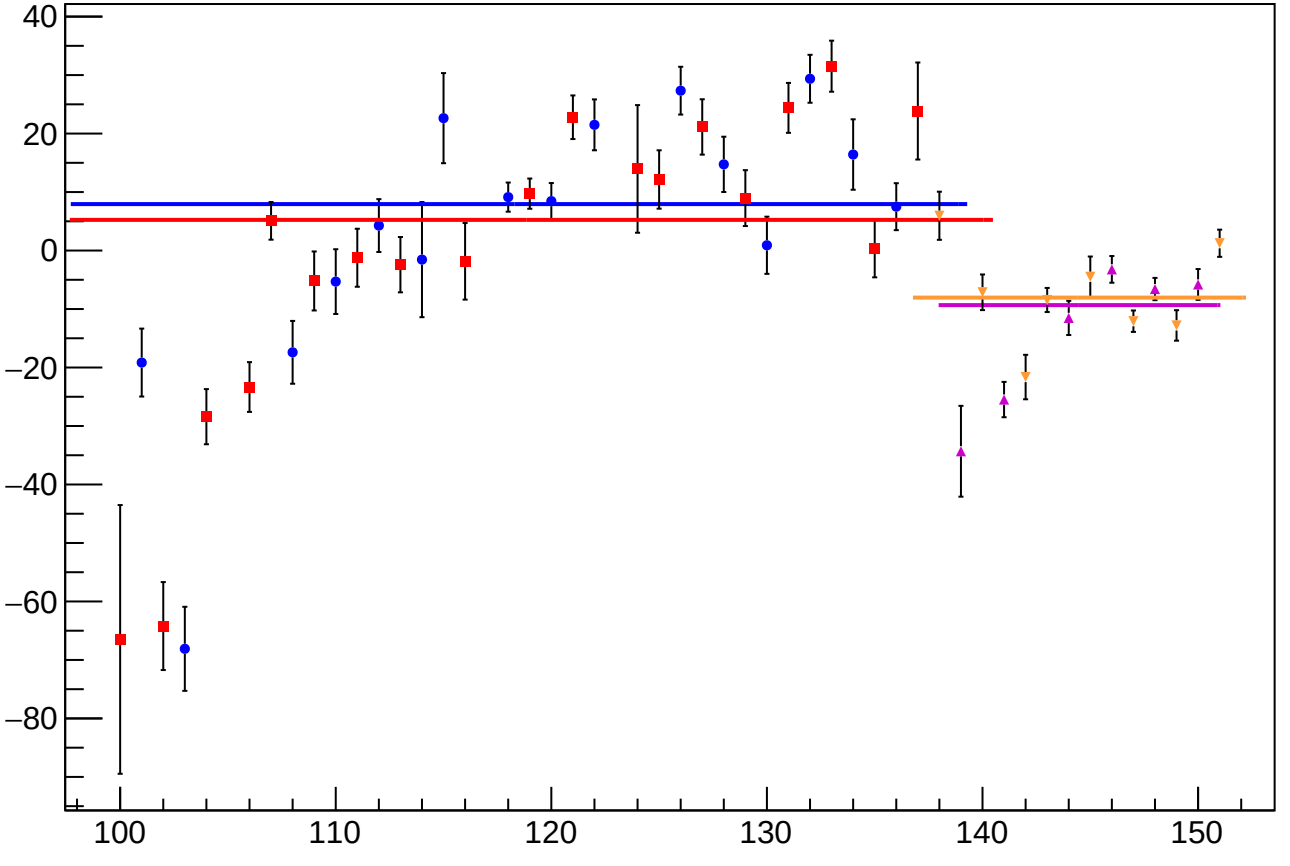
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 196.709+/-0.911 χ^2/NDF:1816.6/21

Out: 177.184+/-0.824 χ^2/NDF:3429.7/26

All: 185.968+/-0.611 χ^2/NDF: 5498.9/48

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: -8.044+/-0.919 χ^2/NDF:49.7/7

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -9.330+/-1.081 χ^2/NDF:50.5/5

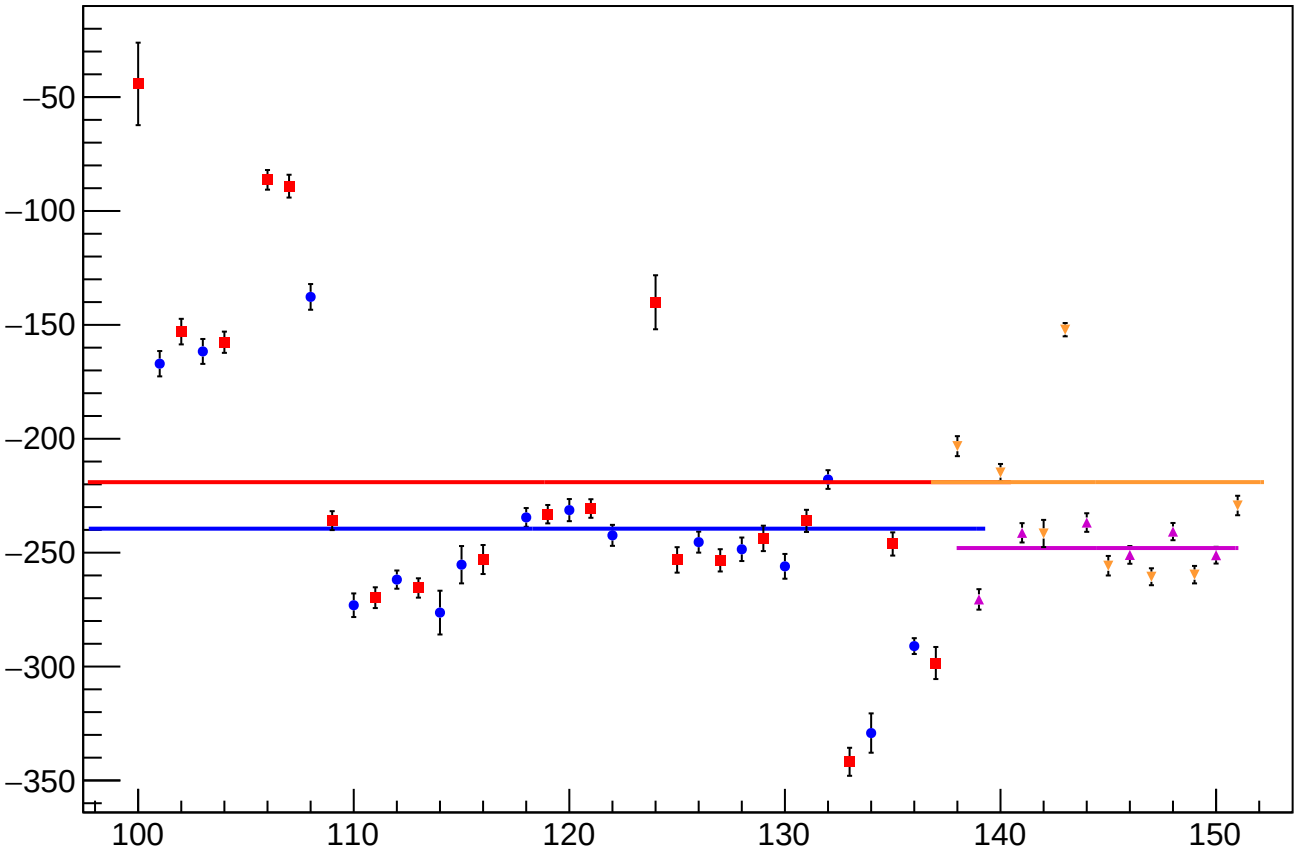
Left: -8.583+/-0.700 χ^2/NDF: 101.0/13

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

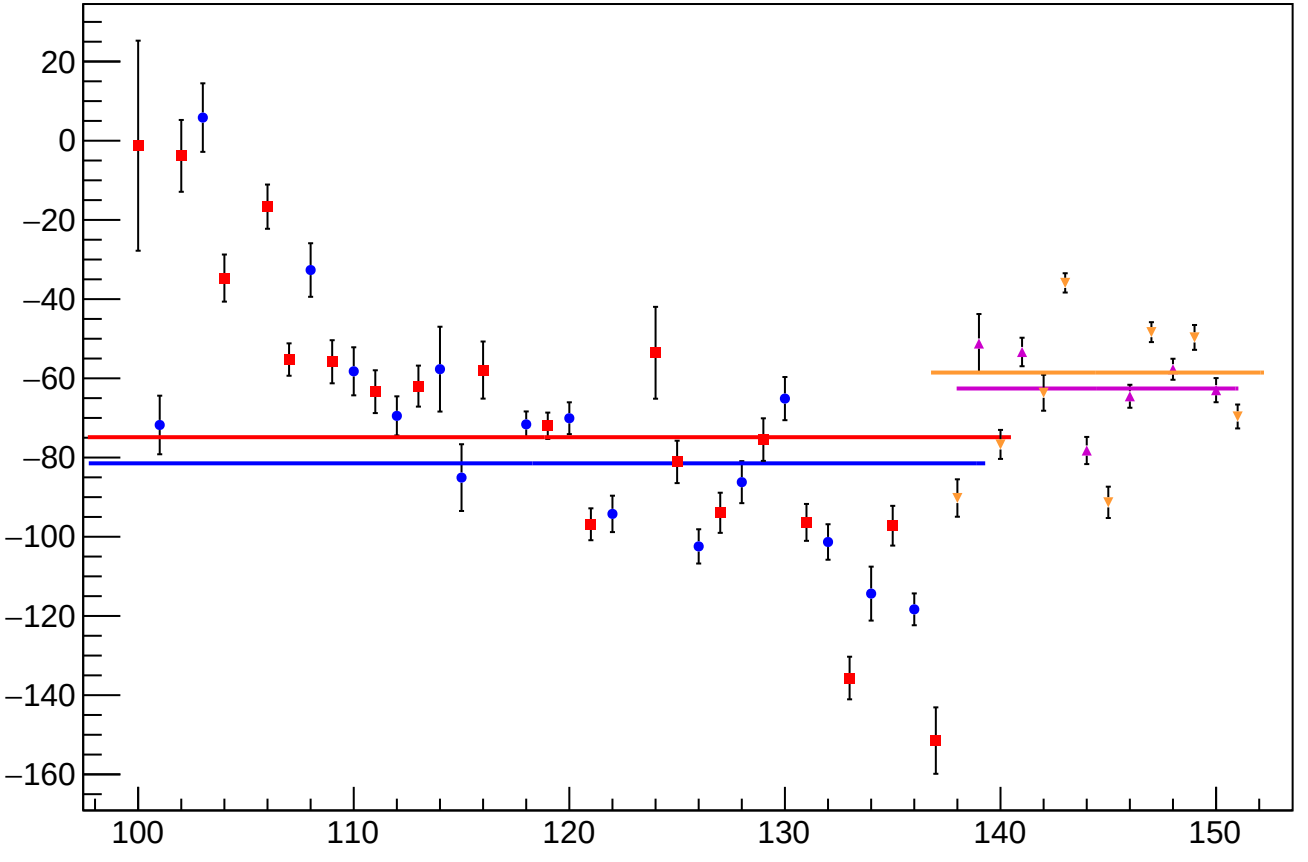
In: -0.944+/-0.776 χ^2/NDF:407.3/21

Out: -2.357+/-0.695 χ^2/NDF:442.1/26

All: -1.728+/-0.518 χ^2/NDF: 851.3/48


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -219.030+/-1.391 χ²/NDF:868.6/7
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.975+/-1.632 χ²/NDF:40.2/5
Left: -231.208+/-1.059 χ²/NDF: 1091.0/13
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -242.598+/-0.990 χ²/NDF:1219.6/21
Out: -219.044+/-0.898 χ²/NDF:3917.9/26
All: -229.677+/-0.665 χ²/NDF: 5448.0/48

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: -58.541+/-1.140 χ^2/NDF:263.7/7

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -62.568+/-1.349 χ^2/NDF:33.6/5

Left: -60.218+/-0.871 χ^2/NDF: 302.5/13

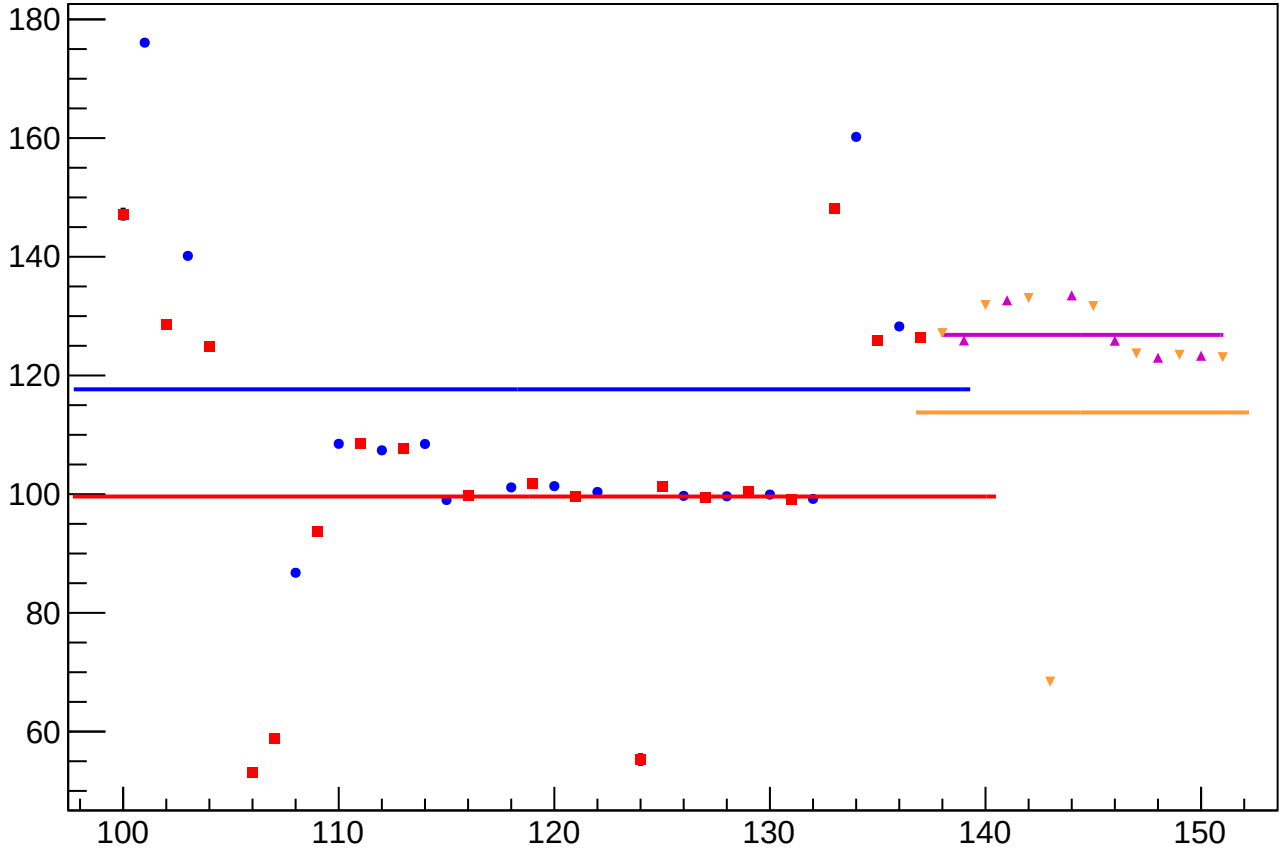
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -72.463+/-0.931 χ^2/NDF:502.8/21

Out: -66.080+/-0.836 χ^2/NDF:935.0/26

All: -68.929+/-0.622 χ^2/NDF: 1463.8/48

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 113.768+/-0.058 χ^2/NDF:183964.2/7

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.842+/-0.067 χ^2/NDF:3708.8/5

Left: 119.419+/-0.044 χ^2/NDF: 209535.1/13

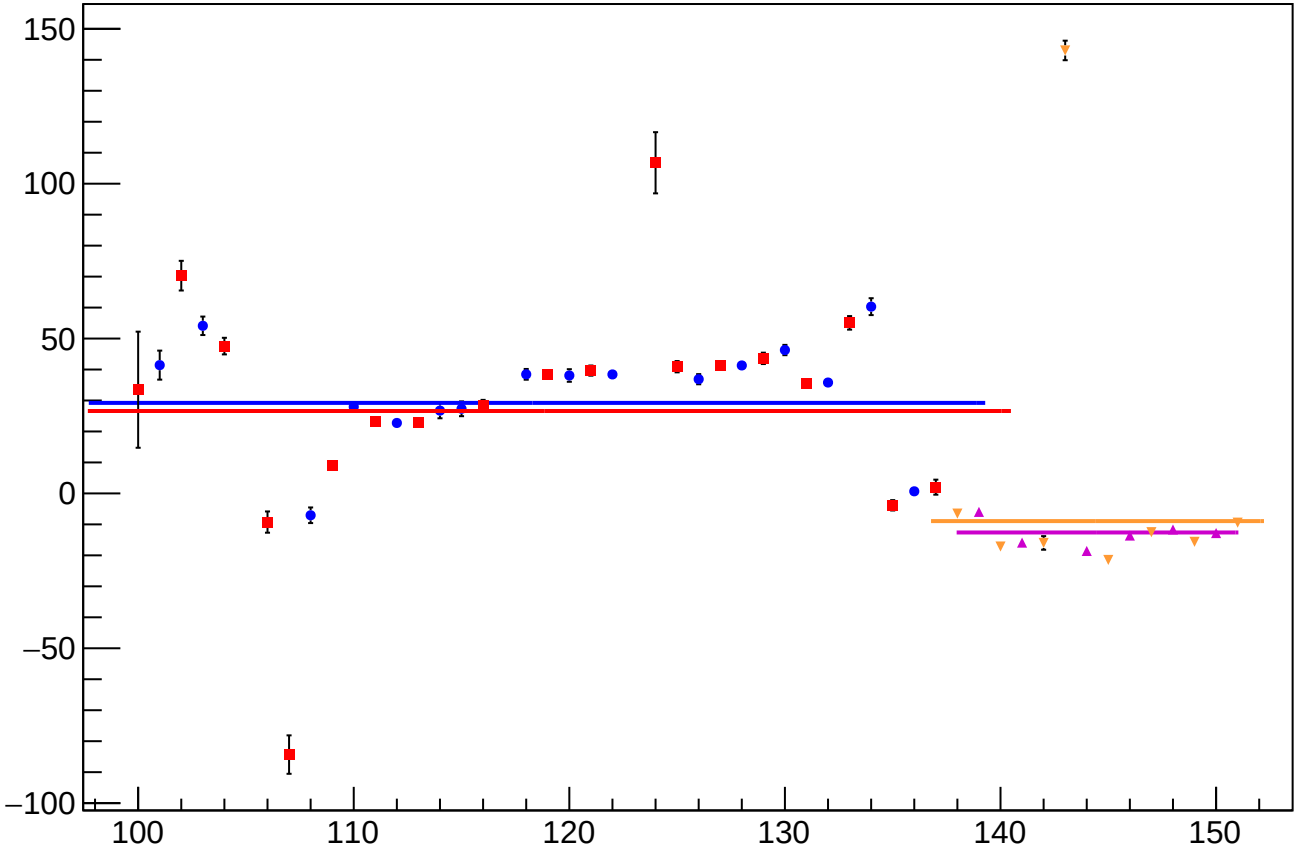
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.986+/-0.051 χ^2/NDF:107077.6/21

Out: 108.017+/-0.045 χ^2/NDF:374308.3/26

All: 114.575+/-0.034 χ^2/NDF: 530303.1/48

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: -8.939+/-0.541 χ^2/NDF:2467.0/7

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.612+/-0.566 χ^2/NDF:51.8/5

Left: -10.694+/-0.391 χ^2/NDF: 2540.7/13

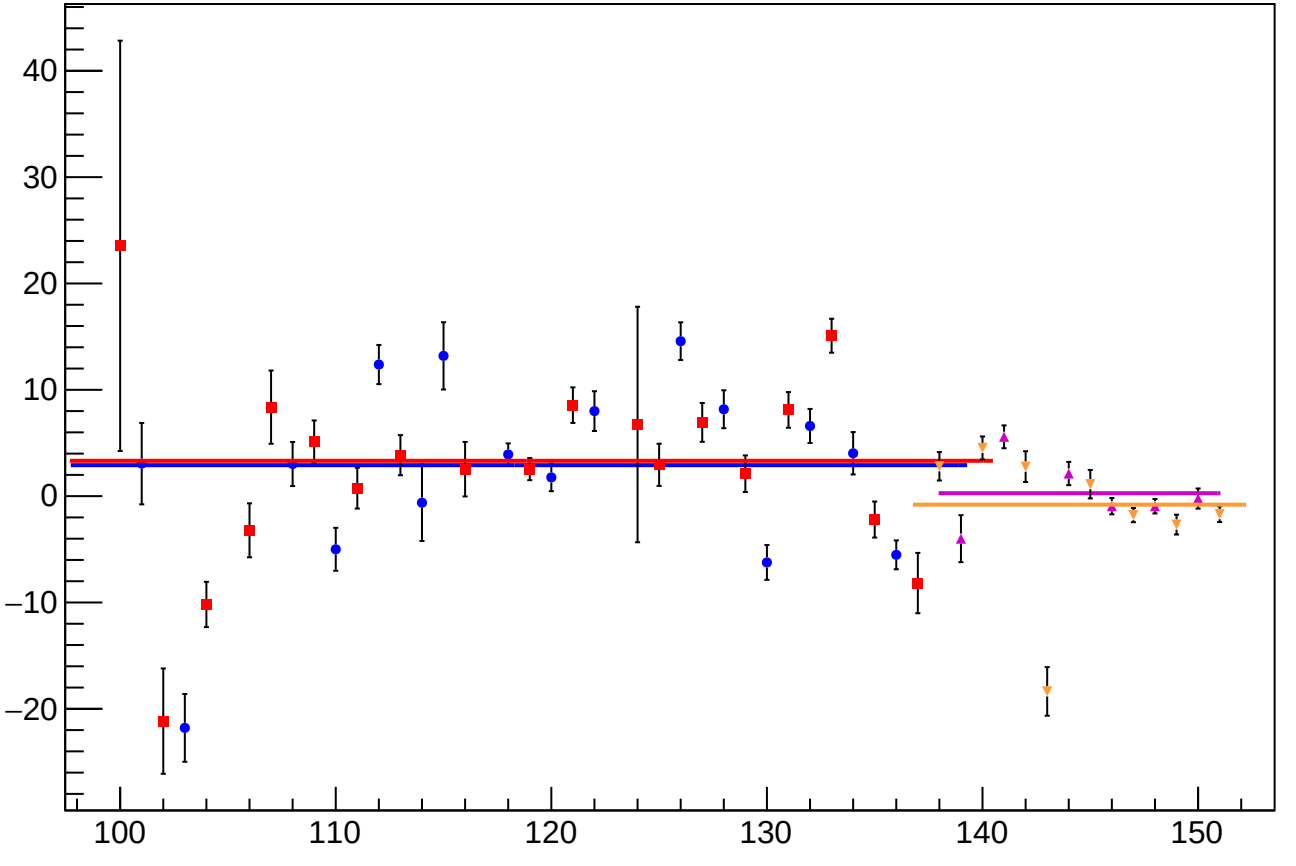
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 14.186+/-0.340 χ^2/NDF:4891.3/21

Out: 13.490+/-0.329 χ^2/NDF:7107.4/26

All: 13.827+/-0.236 χ^2/NDF: 12000.9/48

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.799+/-0.356 χ^2/NDF:106.5/7

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.277+/-0.381 χ^2/NDF:37.0/5

Left: -0.297+/-0.260 χ^2/NDF: 147.8/13

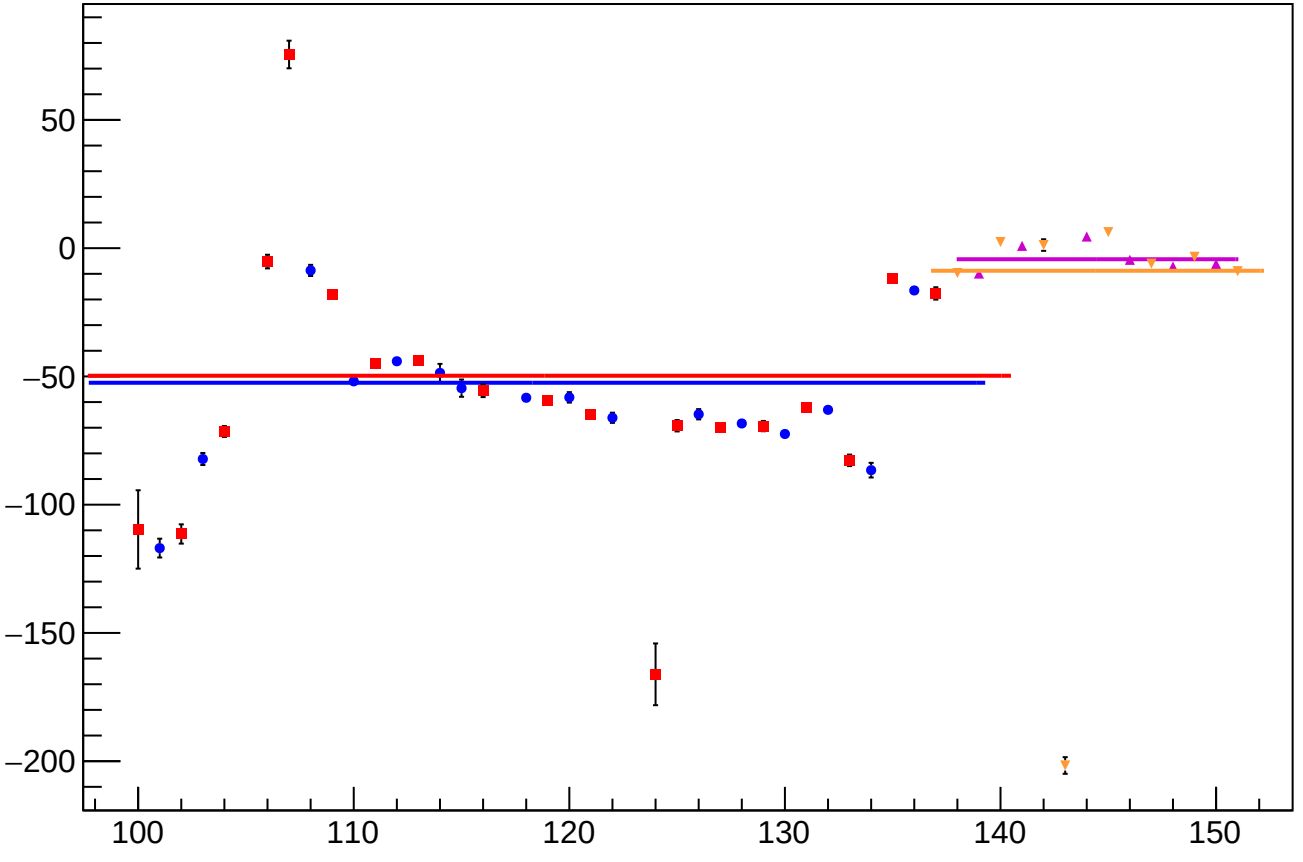
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.401+/-0.289 χ^2/NDF:307.3/21

Out: 0.776+/-0.280 χ^2/NDF:339.4/26

All: 1.079+/-0.201 χ^2/NDF: 649.2/48

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.804+/-0.536 χ^2/NDF:3736.6/7

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.315+/-0.559 χ^2/NDF:71.4/5

Left: -6.653+/-0.387 χ^2/NDF: 3841.6/13

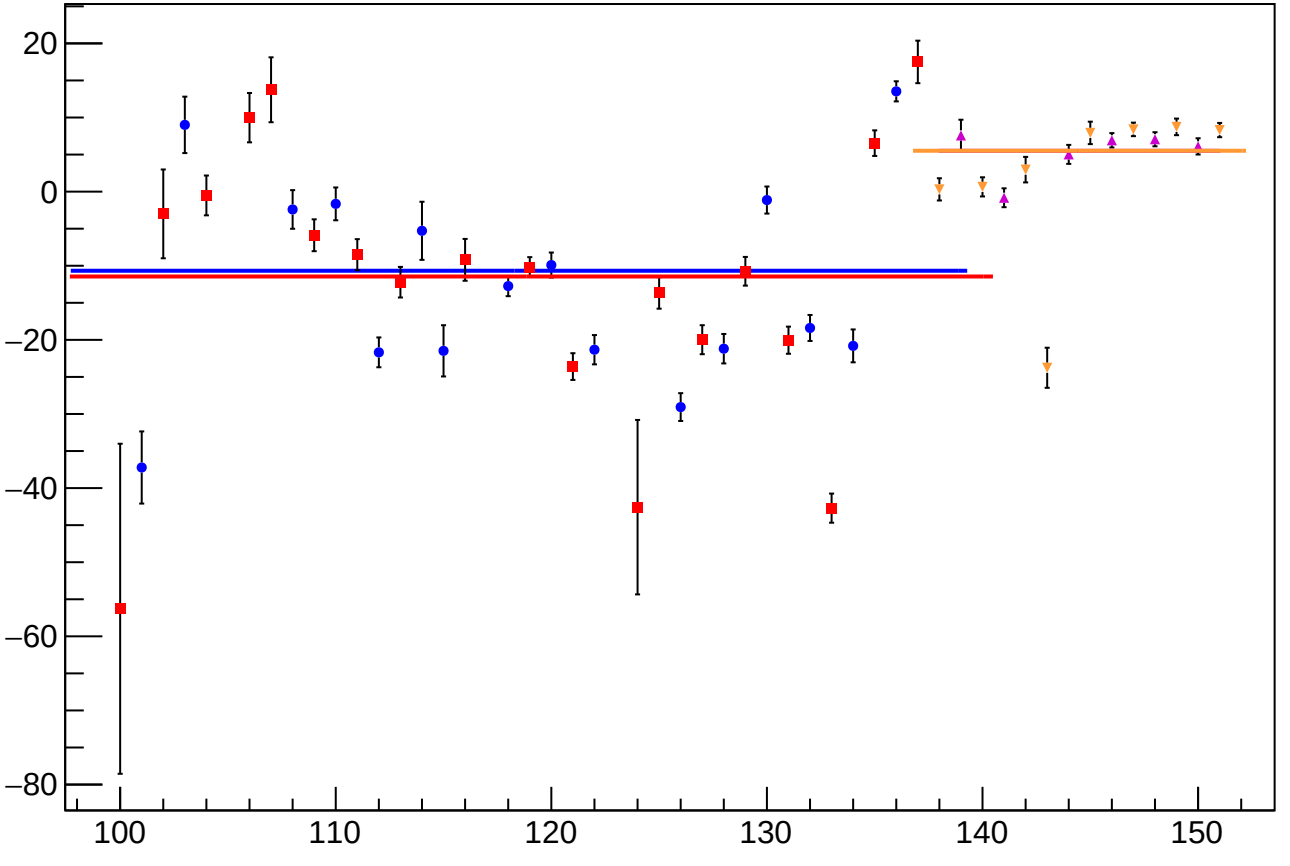
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -31.632+/-0.367 χ^2/NDF:6618.1/21

Out: -30.928+/-0.363 χ^2/NDF:9899.9/26

All: -31.276+/-0.258 χ^2/NDF: 16519.9/48

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.516+/-0.446 χ^2/NDF:174.8/7

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.504+/-0.474 χ^2/NDF:31.0/5

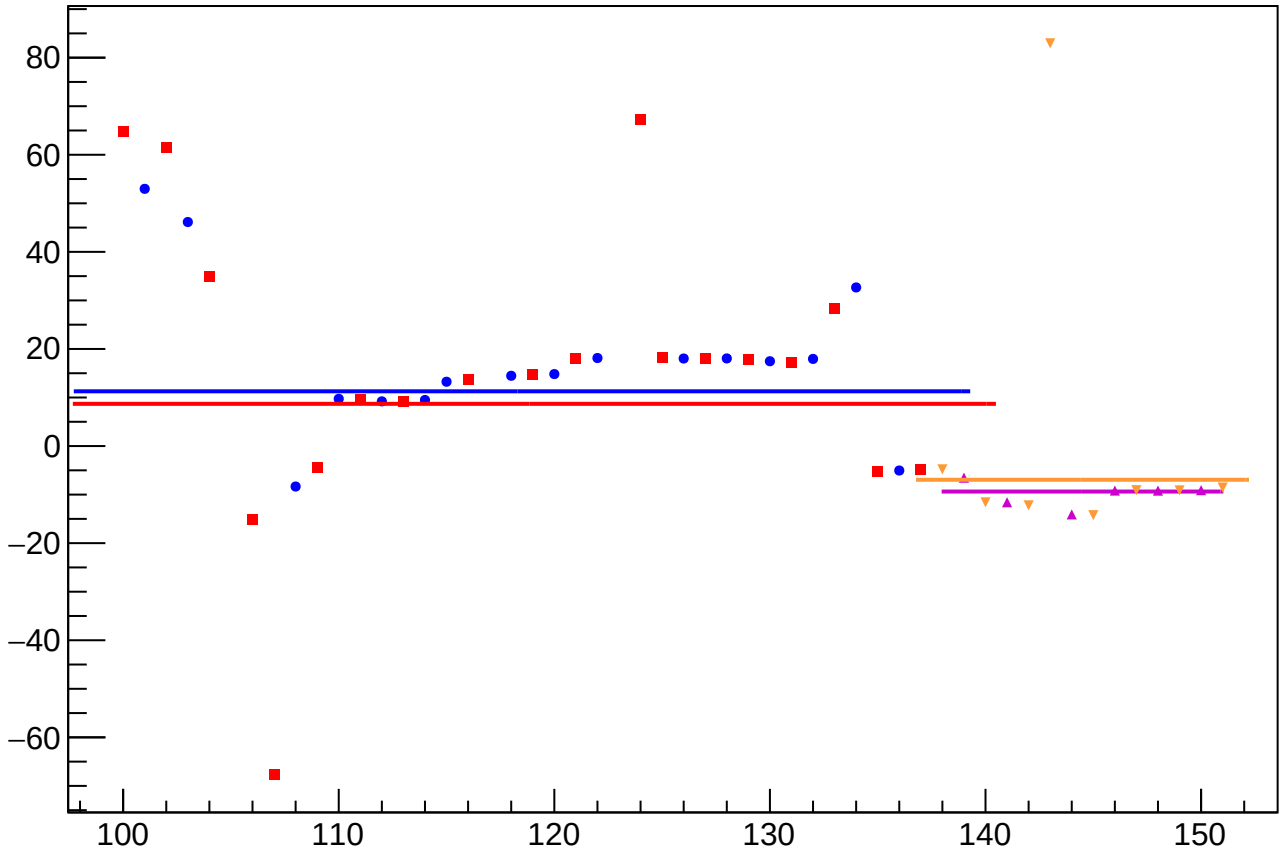
Left: 5.510+/-0.325 χ^2/NDF: 205.8/13

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -2.070+/-0.346 χ^2/NDF:1242.3/21

Out: -1.733+/-0.337 χ^2/NDF:1459.6/26

All: -1.897+/-0.241 χ^2/NDF: 2702.4/48



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.944+/-0.022 χ^2/NDF:471460.1/7

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.371+/-0.023 χ^2/NDF:10067.8/5

Left: -8.134+/-0.016 χ^2/NDF: 487449.0/13

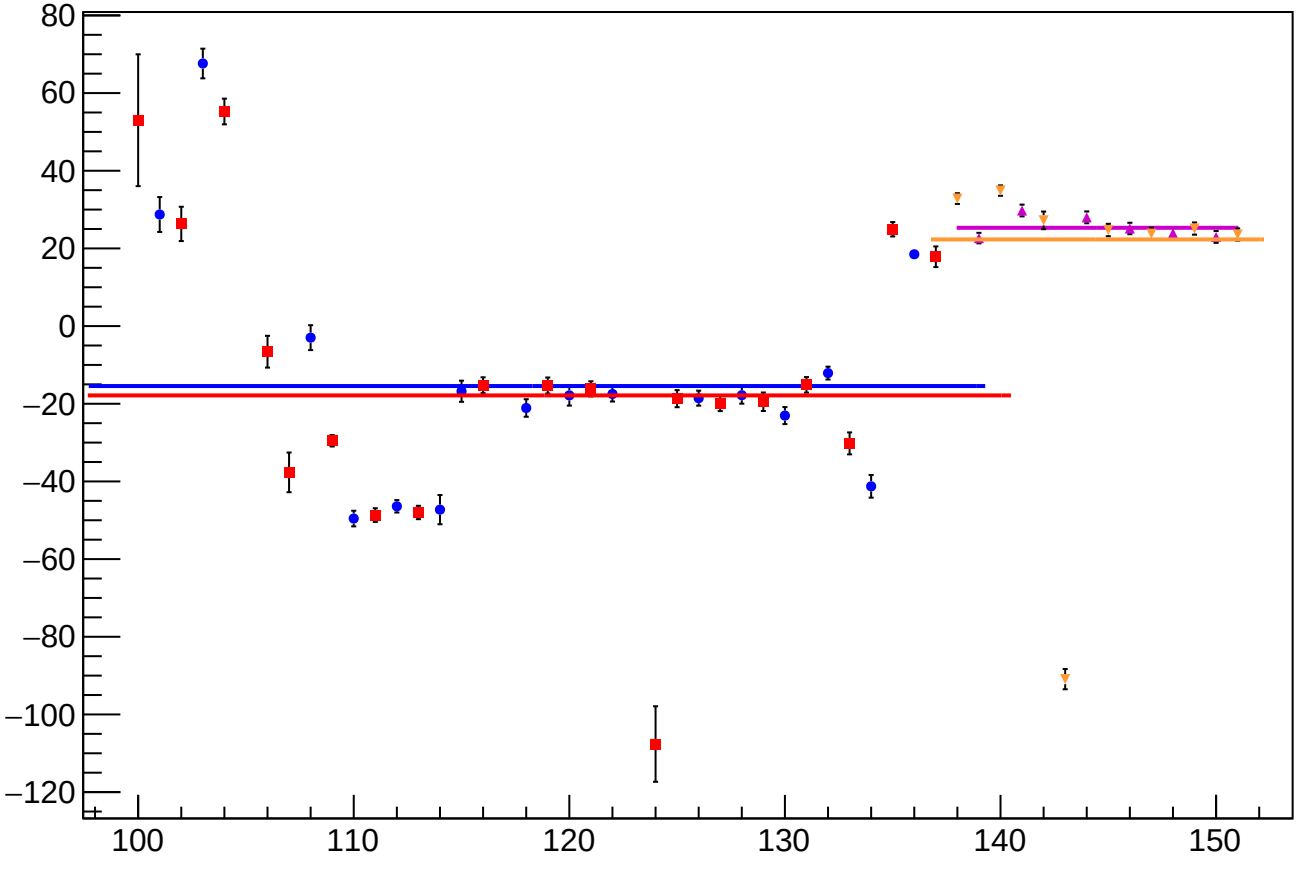
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -1.907+/-0.018 χ^2/NDF:663455.8/21

Out: -1.770+/-0.018 χ^2/NDF:1073457.1/26

All: -1.839+/-0.013 χ^2/NDF: 1736941.9/48

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.317+/-0.576 χ^2/NDF:2035.6/7

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.311+/-0.608 χ^2/NDF:18.7/5

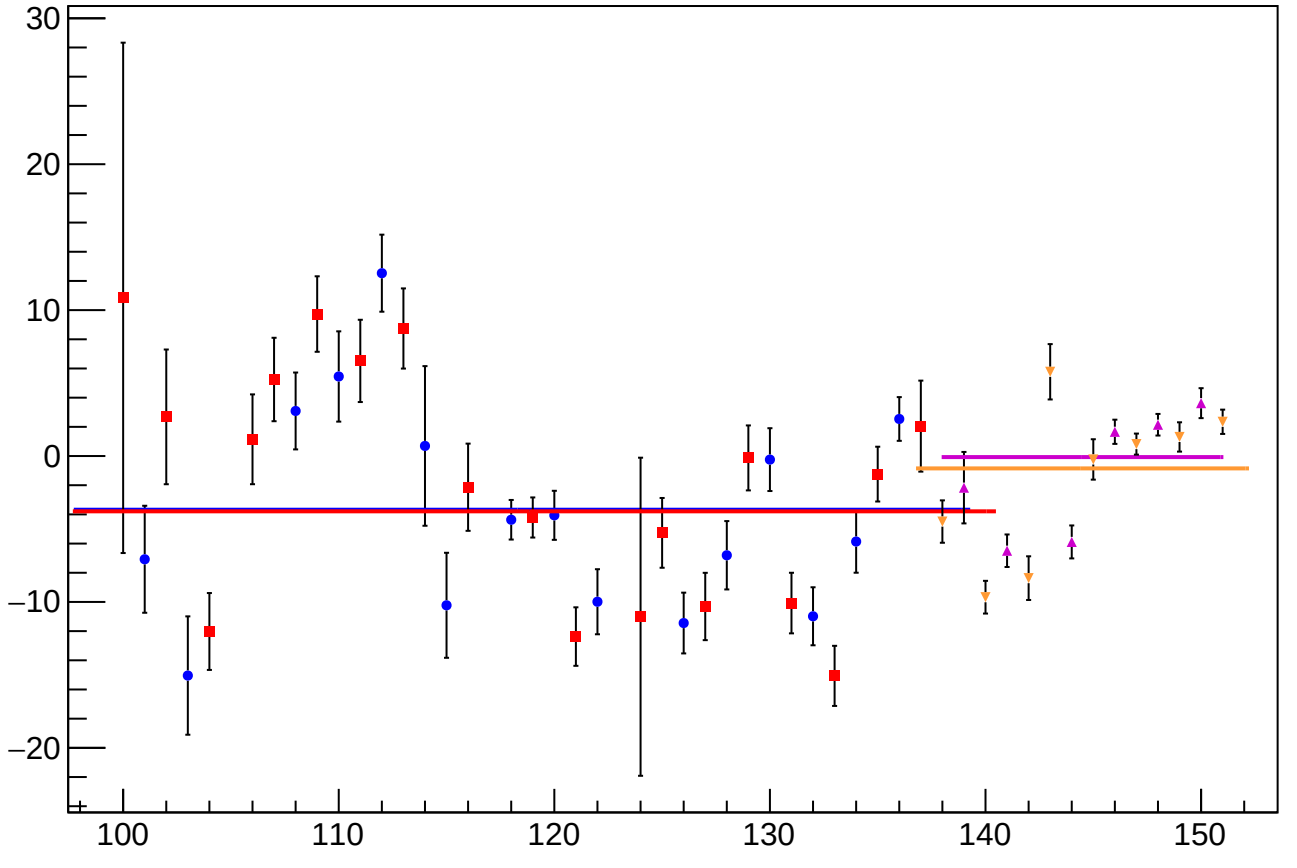
Left: 23.732+/-0.418 χ^2/NDF: 2067.1/13

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 2.493+/-0.403 χ^2/NDF:4657.5/21

Out: 0.565+/-0.390 χ^2/NDF:6797.2/26

All: 1.495+/-0.280 χ^2/NDF: 11466.5/48



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.848+/-0.382 χ^2/NDF:130.6/7

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.072+/-0.409 χ^2/NDF:86.7/5

Left: -0.487+/-0.279 χ^2/NDF: 219.2/13

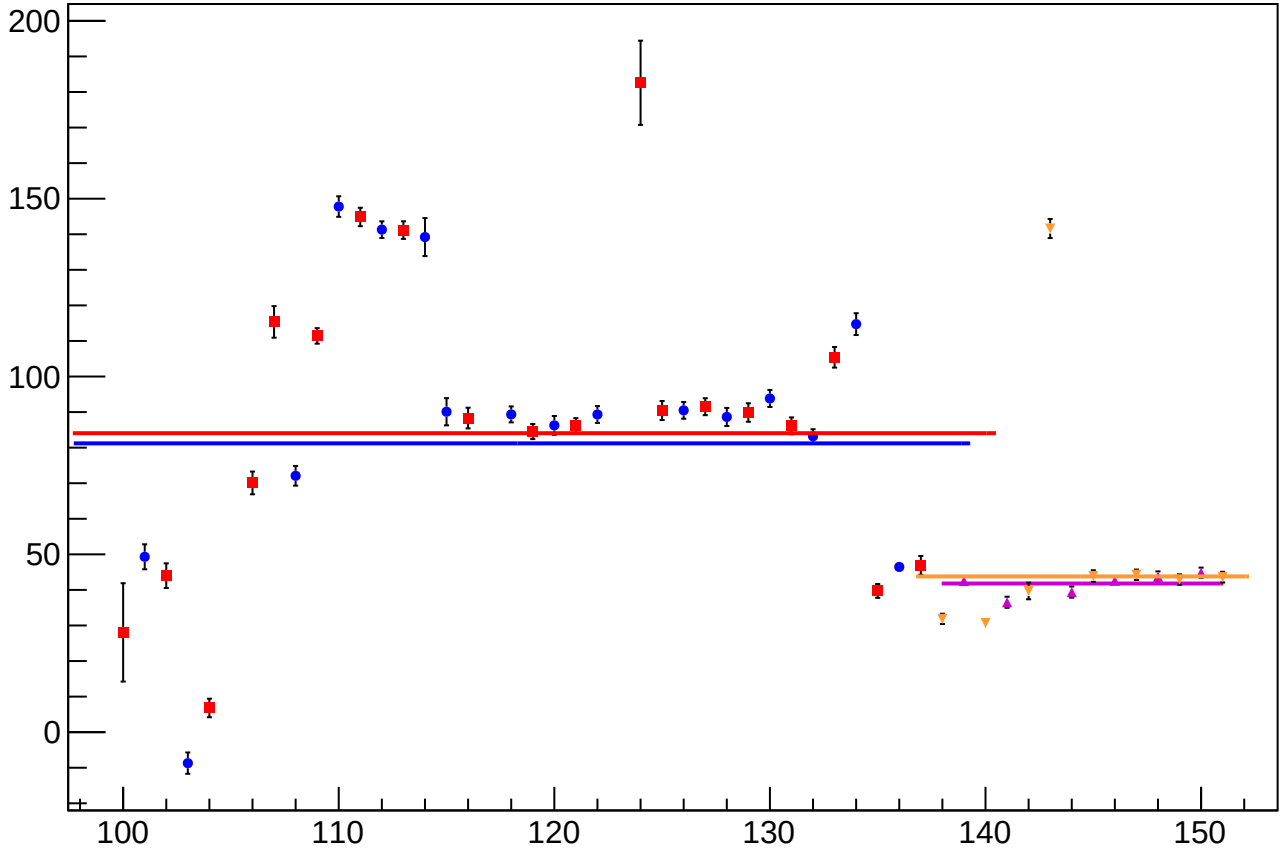
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.350+/-0.329 χ^2/NDF:238.2/21

Out: -1.772+/-0.316 χ^2/NDF:310.5/26

All: -1.569+/-0.228 χ^2/NDF: 549.6/48

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: 43.792+/-0.571 χ^2/NDF:1487.3/7

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.798+/-0.600 χ^2/NDF:20.7/5

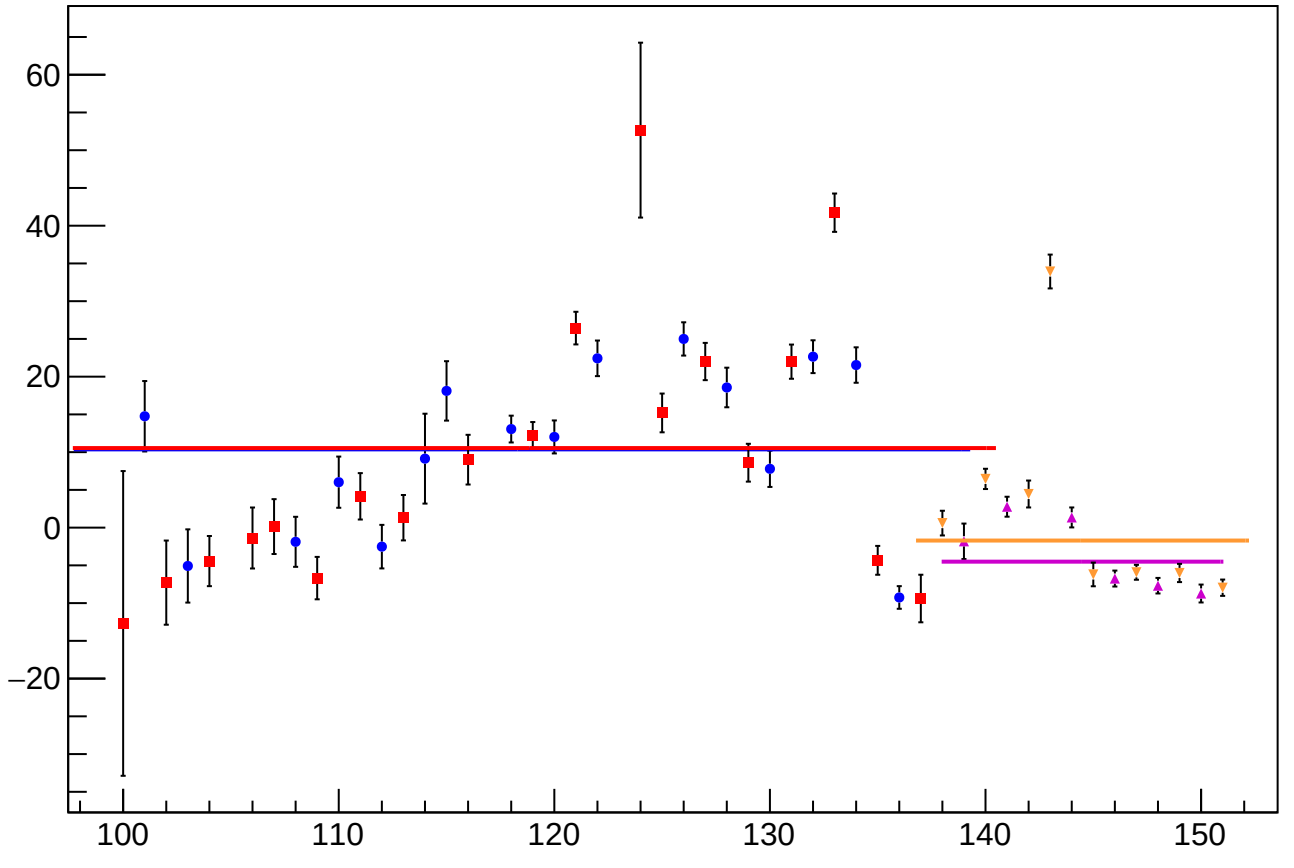
Left: 42.845+/-0.414 χ^2/NDF: 1513.8/13

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 61.276+/-0.427 χ^2/NDF:5382.0/21

Out: 62.387+/-0.419 χ^2/NDF:6992.6/26

All: 61.842+/-0.299 χ^2/NDF: 12378.0/48



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.711+/-0.476 χ^2/NDF:376.3/7

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.509+/-0.508 χ^2/NDF:78.0/5

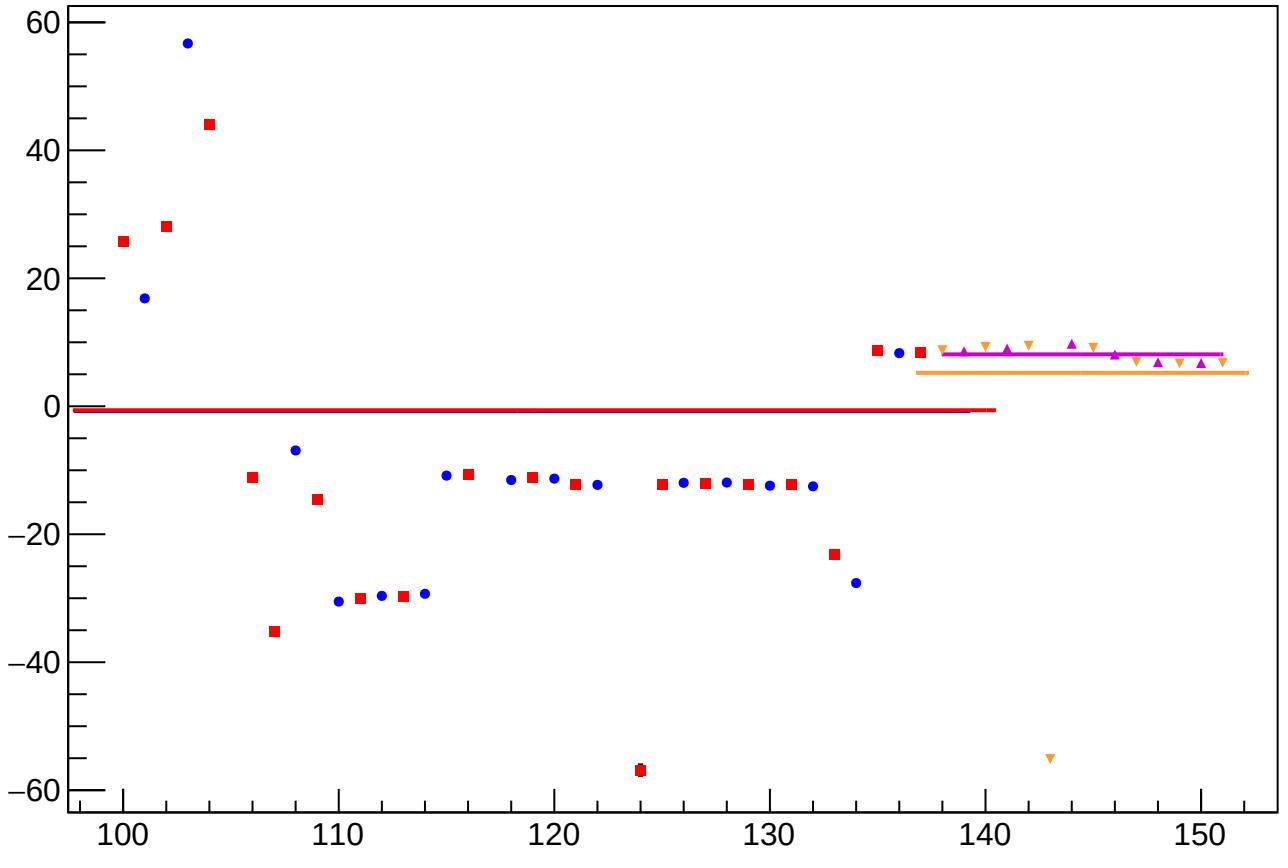
Left: -3.019+/-0.347 χ^2/NDF: 470.4/13

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 1.392+/-0.395 χ^2/NDF:777.9/21

Out: 2.648+/-0.382 χ^2/NDF:1082.9/26

All: 2.040+/-0.274 χ^2/NDF: 1866.0/48



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.227+/-0.024 χ^2/NDF:307627.6/7

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 8.114+/-0.024 χ^2/NDF:1819.2/5

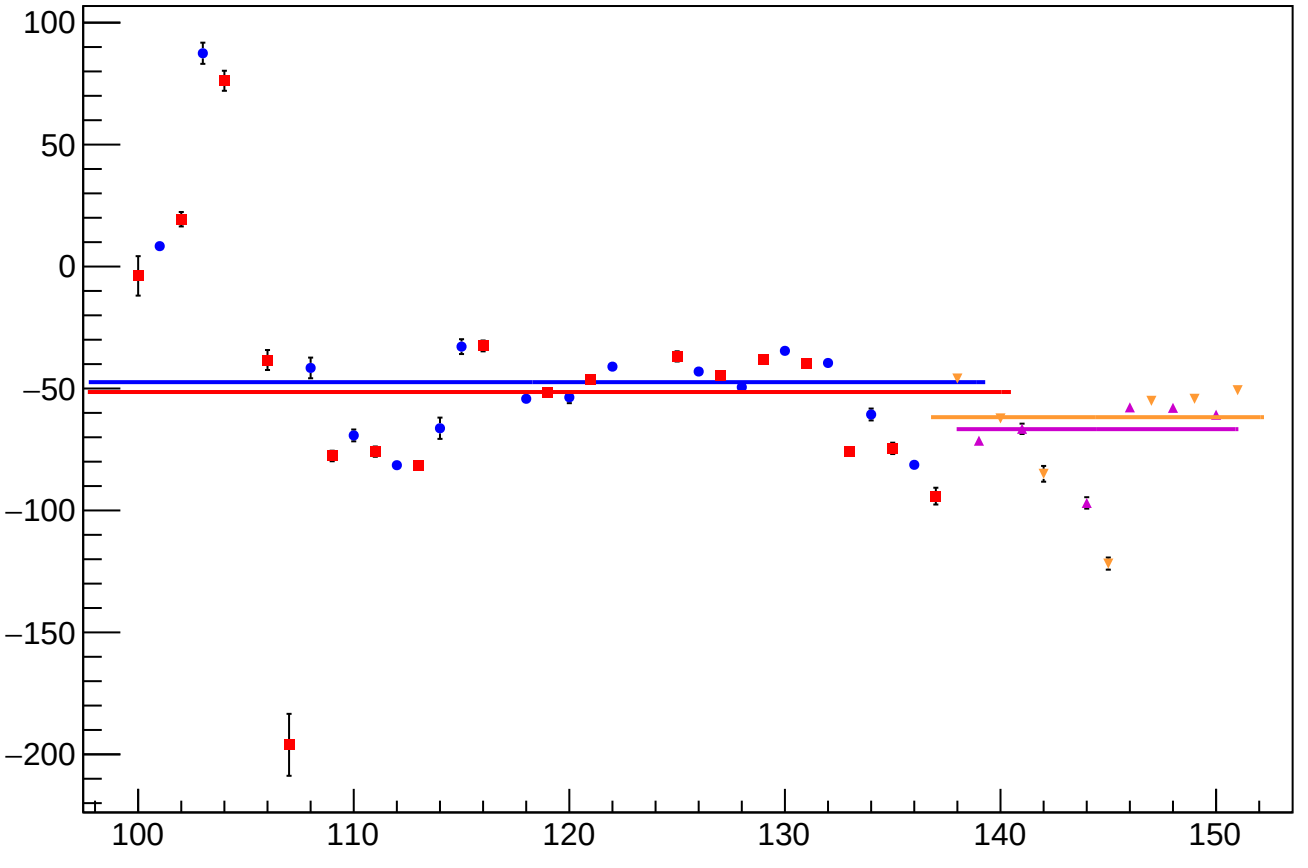
Left: 6.630+/-0.017 χ^2/NDF: 316727.3/13

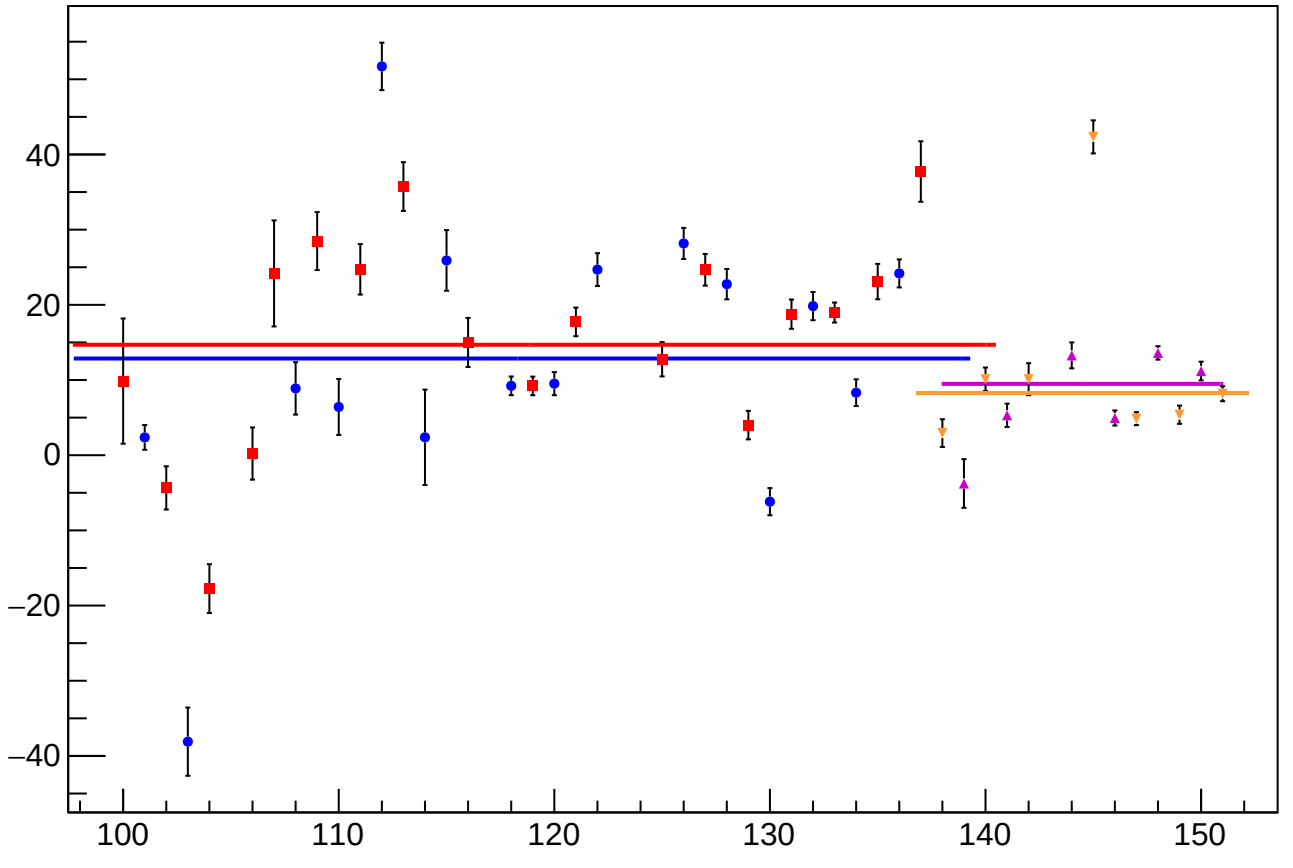
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.334+/-0.020 χ^2/NDF:411648.8/21

Out: 3.560+/-0.020 χ^2/NDF:641644.7/26

All: 4.440+/-0.014 χ^2/NDF: 1057219.9/48


reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -47.398+/-0.535 χ²/NDF: 2769.0/15
Left Out: -61.756+/-0.769 χ²/NDF:772.9/6
Right Out: -51.442+/-0.545 χ²/NDF: 2872.7/17
Left In: -66.669+/-0.793 χ²/NDF:229.7/5
Left: -64.138+/-0.552 χ²/NDF: 1022.4/12
Right: -49.383+/-0.382 χ²/NDF: 5669.8/33
In: -53.432+/-0.443 χ²/NDF:3404.8/21
Out: -54.893+/-0.445 χ²/NDF:3765.4/24
All: -54.161+/-0.314 χ²/NDF: 7175.6/46



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 8.275+/-0.490 χ^2/NDF:271.6/6

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 9.488+/-0.518 χ^2/NDF:72.3/5

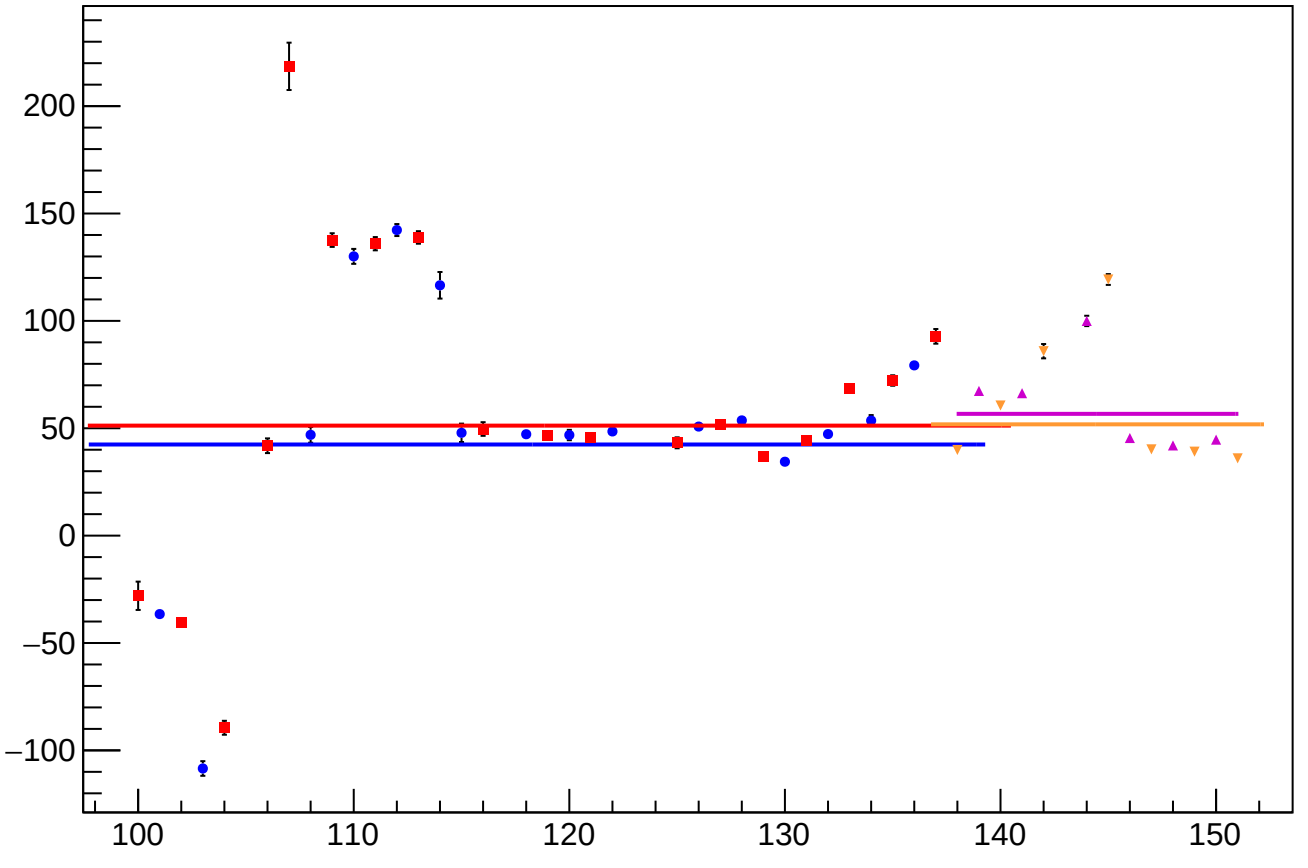
Left: 8.848+/-0.356 χ^2/NDF: 346.8/12

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 11.170+/-0.366 χ^2/NDF:718.9/21

Out: 11.148+/-0.364 χ^2/NDF:712.4/24

All: 11.159+/-0.258 χ^2/NDF: 1431.4/46



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 51.824+/-0.756 χ^2/NDF:1055.2/6

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 56.707+/-0.777 χ^2/NDF:533.3/5

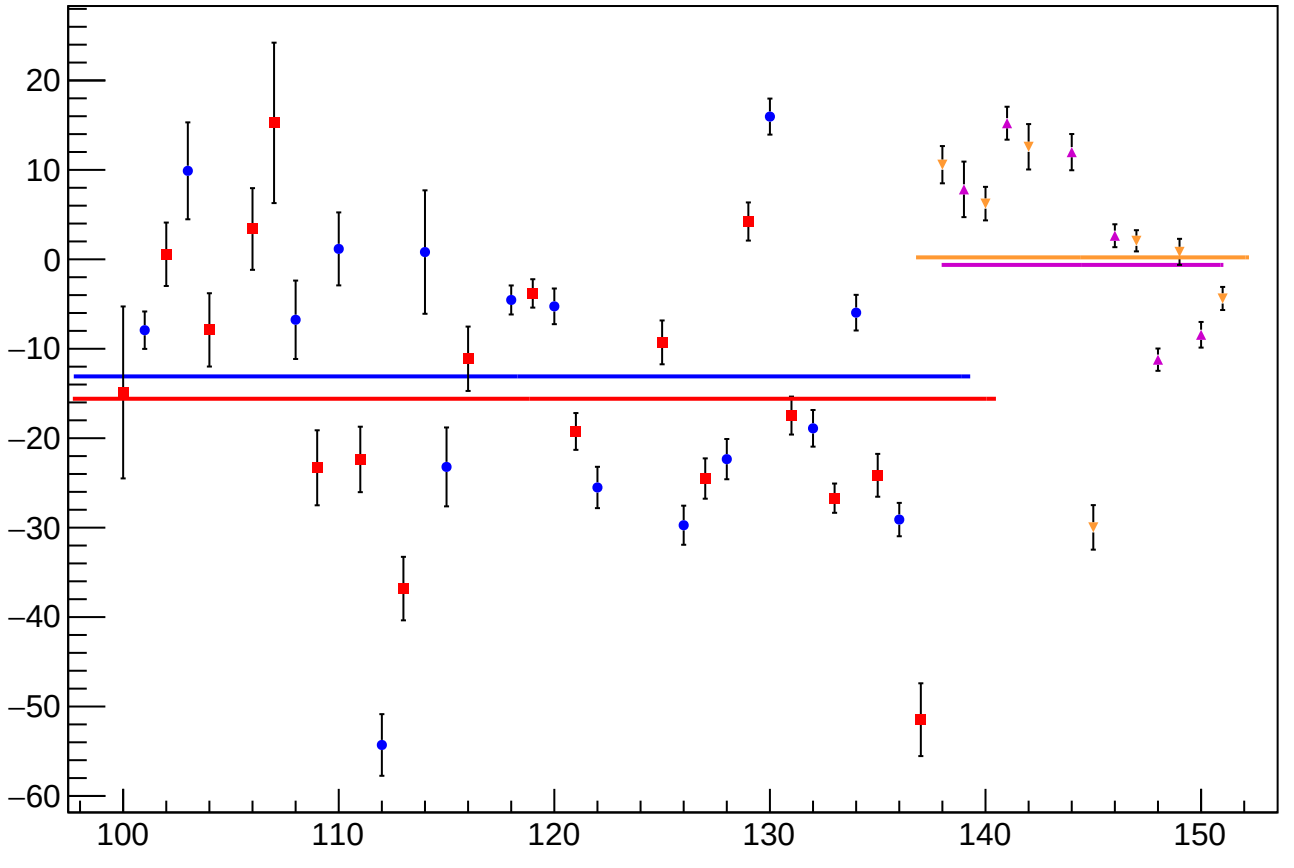
Left: 54.197+/-0.542 χ^2/NDF: 1608.8/12

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 47.591+/-0.467 χ^2/NDF:7917.7/21

Out: 51.464+/-0.477 χ^2/NDF:7666.8/24

All: 49.487+/-0.334 χ^2/NDF: 15618.2/46



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 0.219+/-0.619 χ^2/NDF:221.1/6

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: -0.624+/-0.648 χ^2/NDF:228.5/5

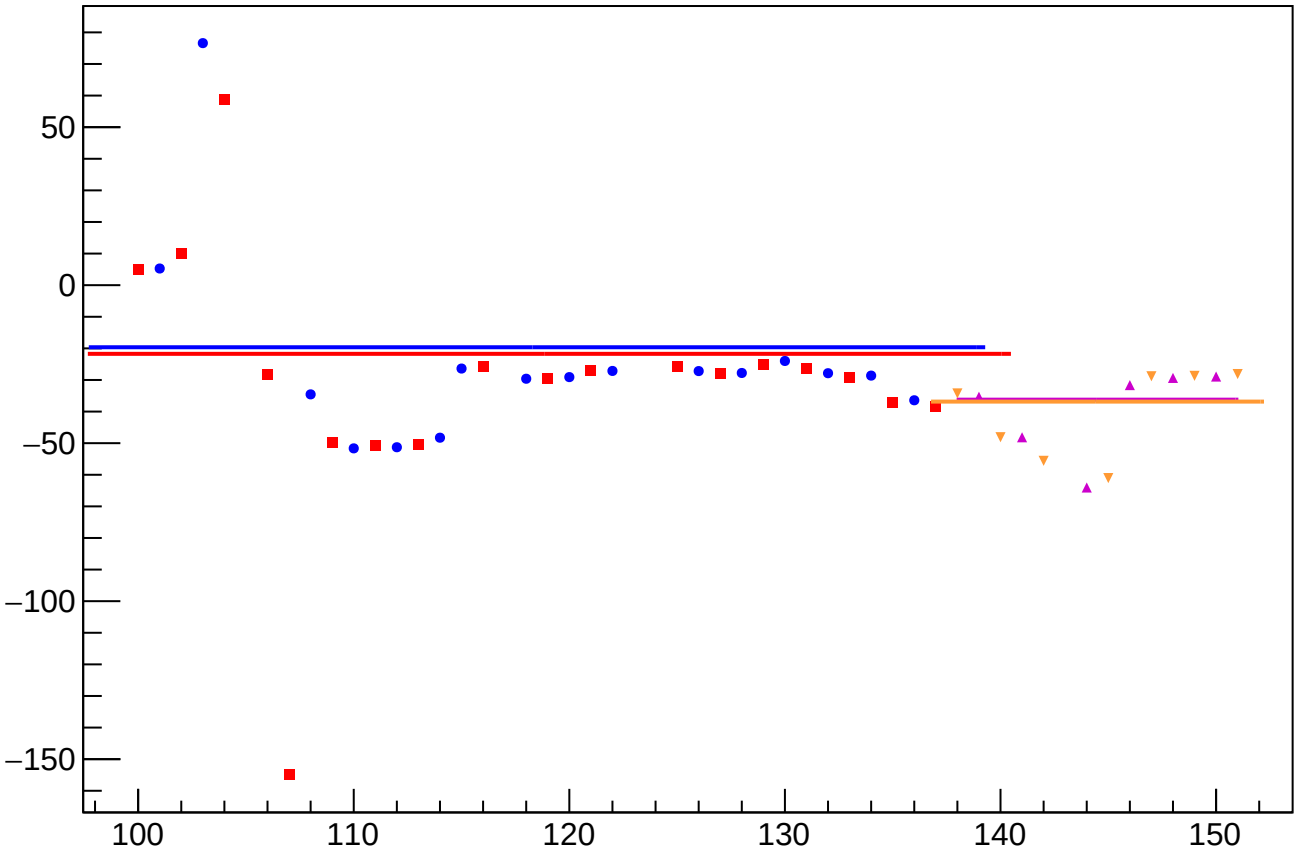
Left: -0.183+/-0.447 χ^2/NDF: 450.5/12

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -7.339+/-0.440 χ^2/NDF:1067.8/21

Out: -7.580+/-0.440 χ^2/NDF:945.2/24

All: -7.459+/-0.311 χ^2/NDF: 2013.1/46



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -36.842+/-0.031 χ^2/NDF:134319.9/6

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -36.230+/-0.031 χ^2/NDF:108076.3/5

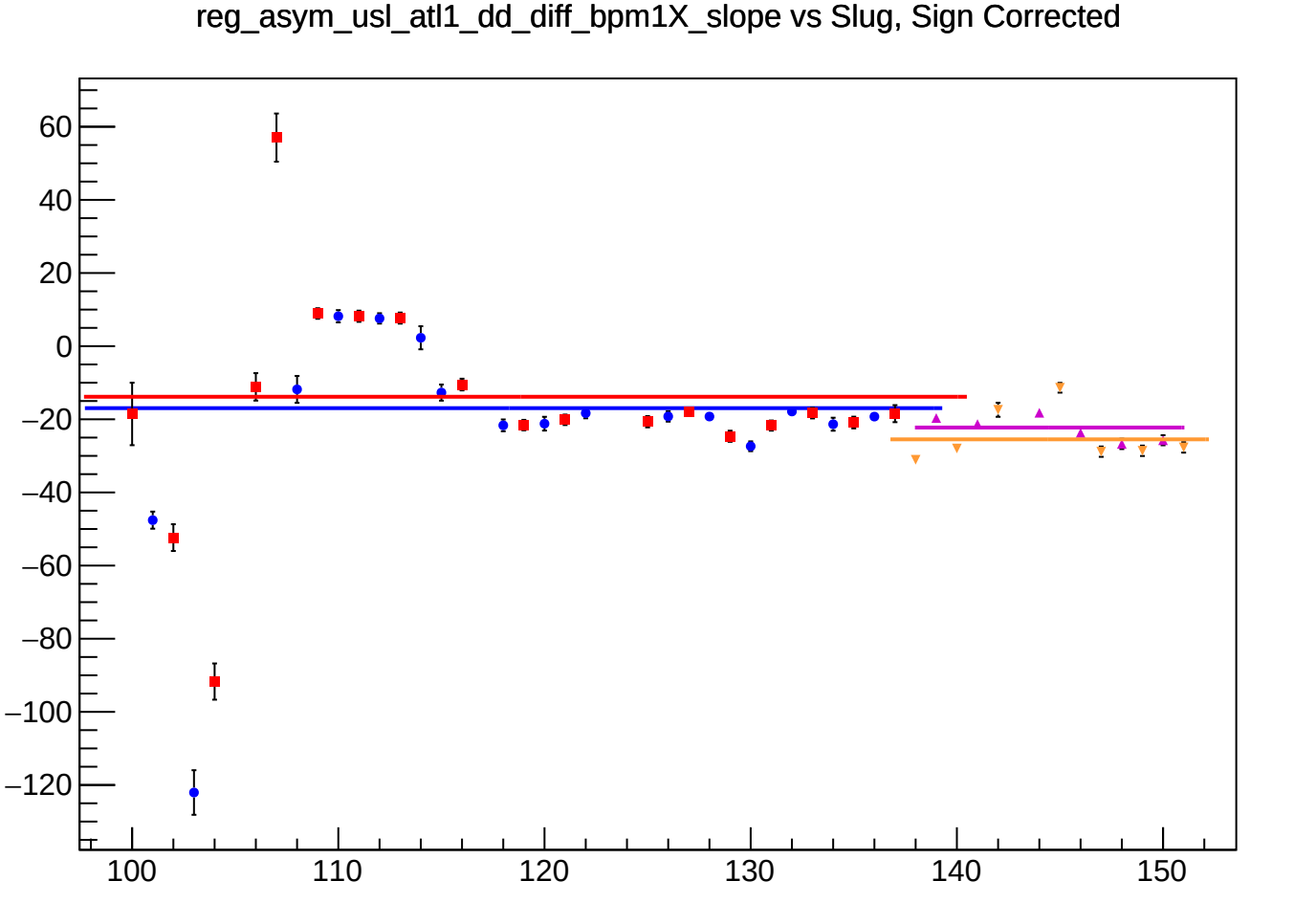
Left: -36.536+/-0.022 χ^2/NDF: 242587.5/12

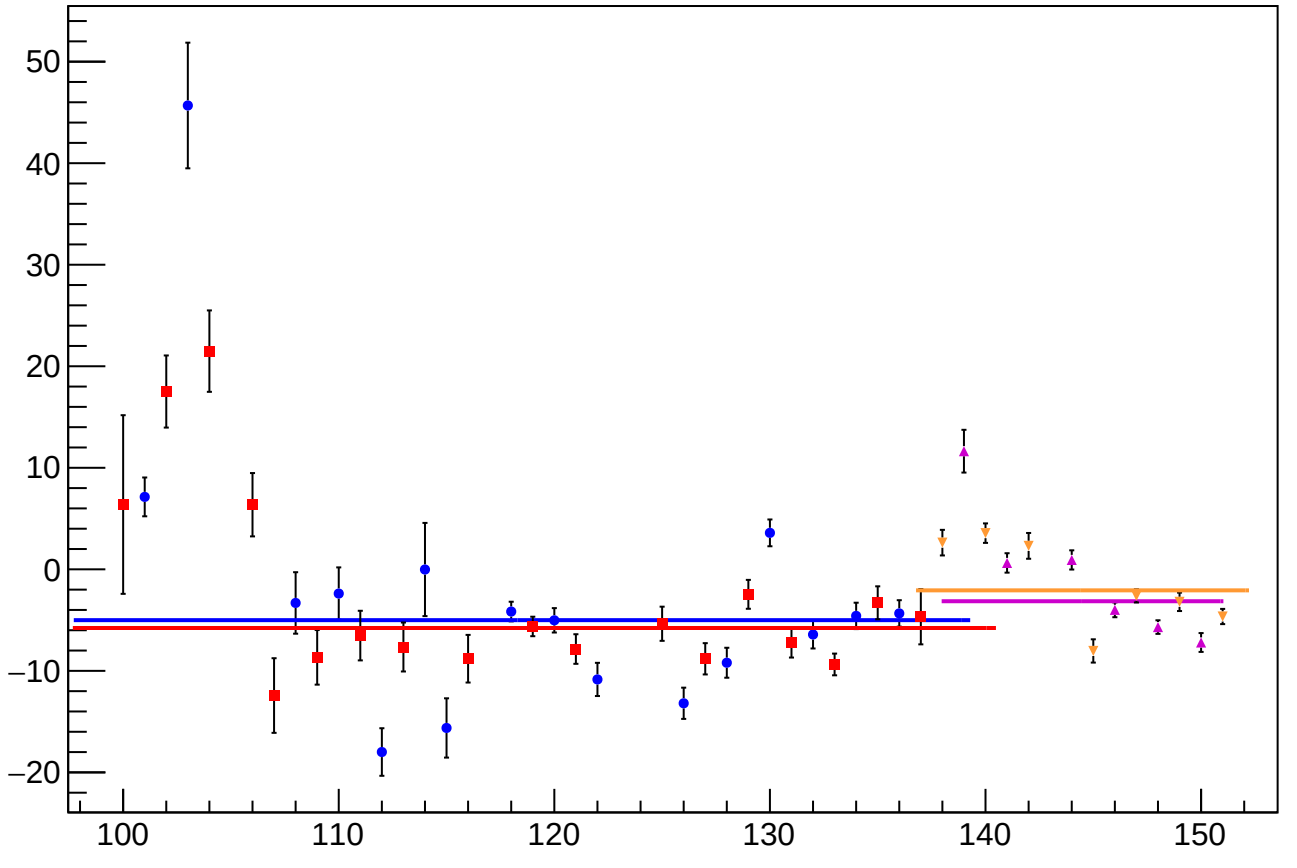
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.101+/-0.024 χ^2/NDF:875286.8/21

Out: -30.897+/-0.024 χ^2/NDF:772589.5/24

All: -29.972+/-0.017 χ^2/NDF: 1650667.8/46


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -16.949+/-0.404 χ²/NDF: 1128.2/15
Left Out: -25.483+/-0.515 χ²/NDF:168.5/6
Right Out: -13.837+/-0.409 χ²/NDF: 1333.2/17
Left In: -22.251+/-0.529 χ²/NDF:33.1/5
Left: -23.912+/-0.369 χ²/NDF: 220.8/12
Right: -15.414+/-0.287 χ²/NDF: 2490.7/33
In: -18.900+/-0.321 χ²/NDF:1224.7/21
Out: -18.345+/-0.320 χ²/NDF:1815.2/24
All: -18.622+/-0.227 χ²/NDF: 3041.5/46



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.071+/-0.344 χ^2/NDF:101.5/6

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -3.143+/-0.360 χ^2/NDF:118.3/5

Left: -2.583+/-0.249 χ^2/NDF: 224.4/12

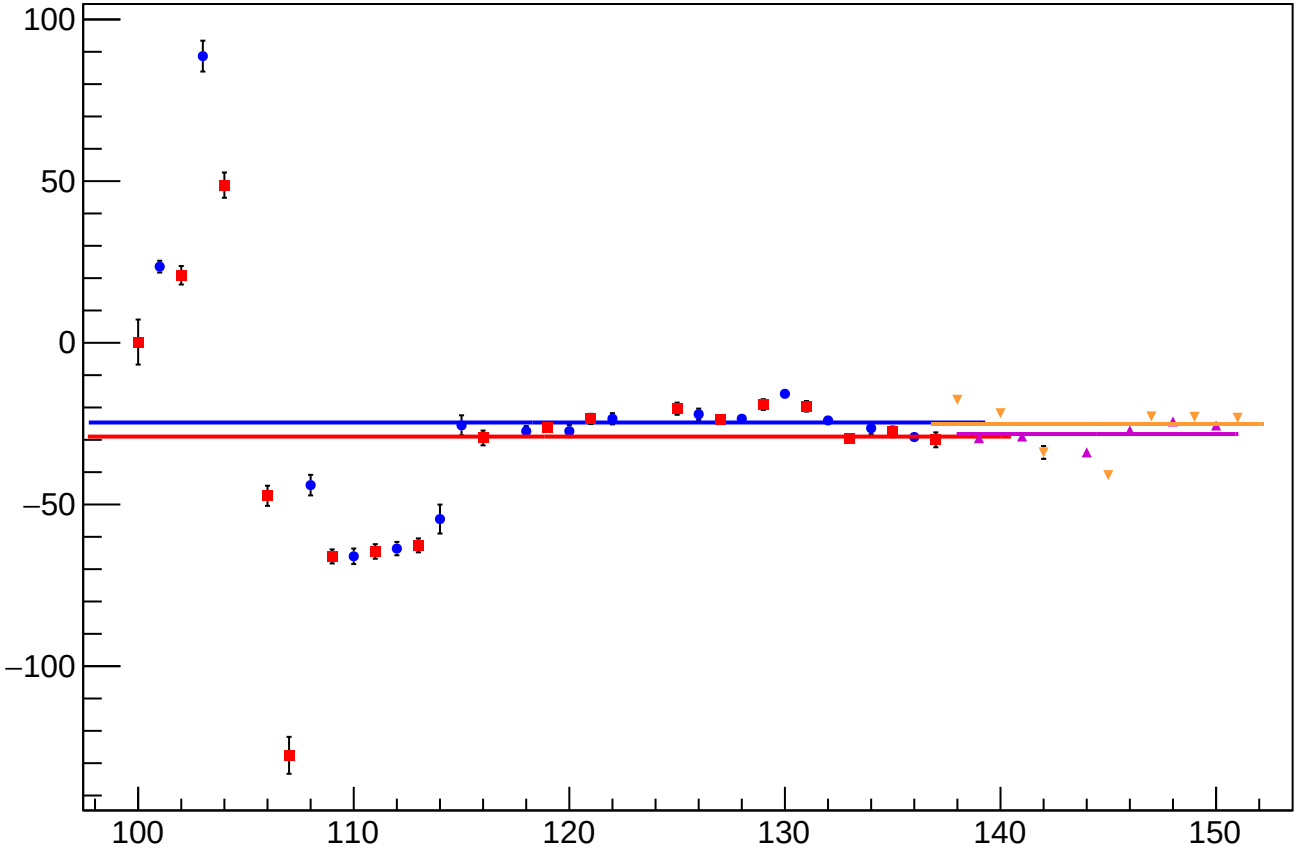
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.973+/-0.268 χ^2/NDF:378.0/21

Out: -3.562+/-0.266 χ^2/NDF:287.6/24

All: -3.766+/-0.189 χ^2/NDF: 666.8/46

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -25.107+/-0.511 χ^2/NDF:206.1/6

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -28.207+/-0.524 χ^2/NDF:33.6/5

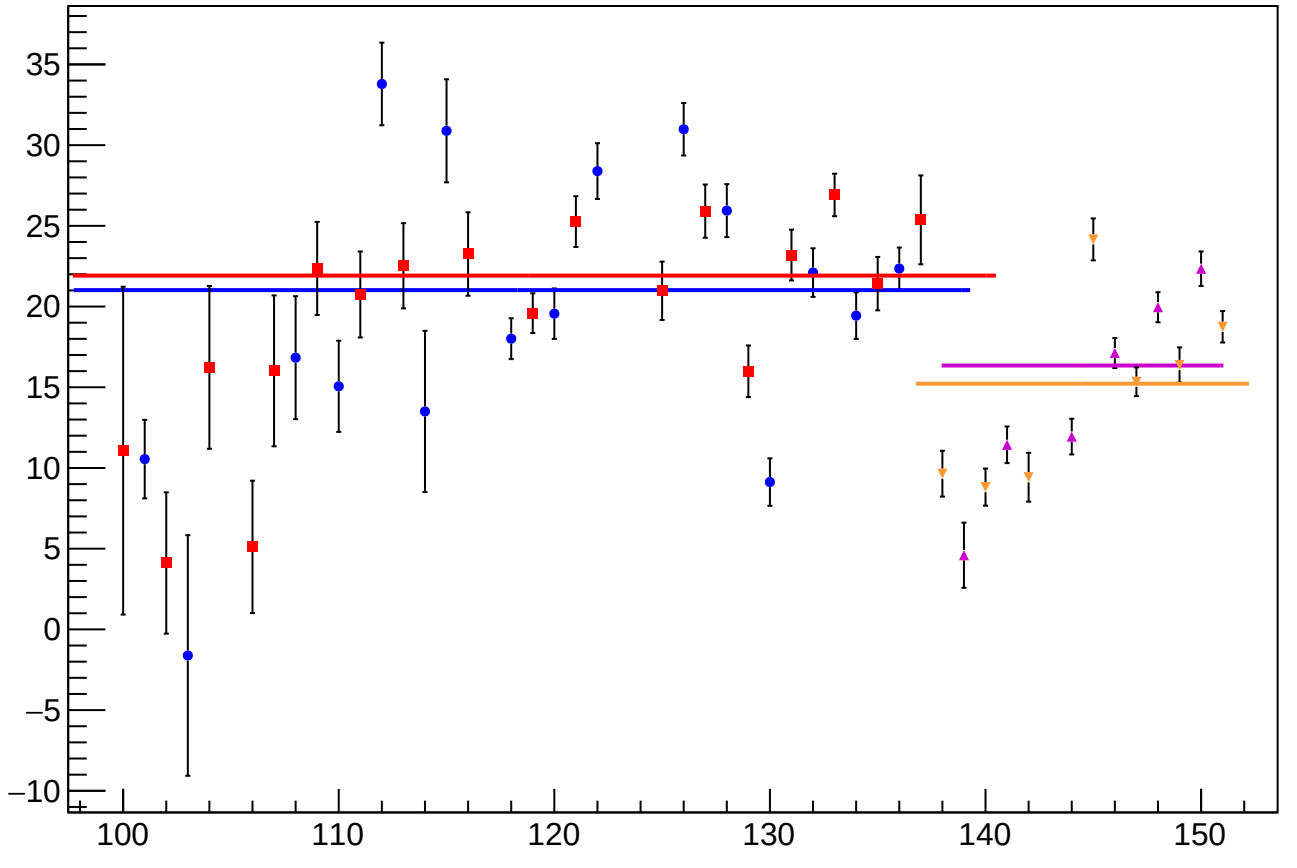
Left: -26.619+/-0.366 χ^2/NDF: 257.7/12

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -26.175+/-0.343 χ^2/NDF:2111.9/21

Out: -27.195+/-0.348 χ^2/NDF:2189.6/24

All: -26.678+/-0.244 χ^2/NDF: 4305.8/46



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.221+/-0.429 χ^2/NDF:122.9/6

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.348+/-0.446 χ^2/NDF:115.5/5

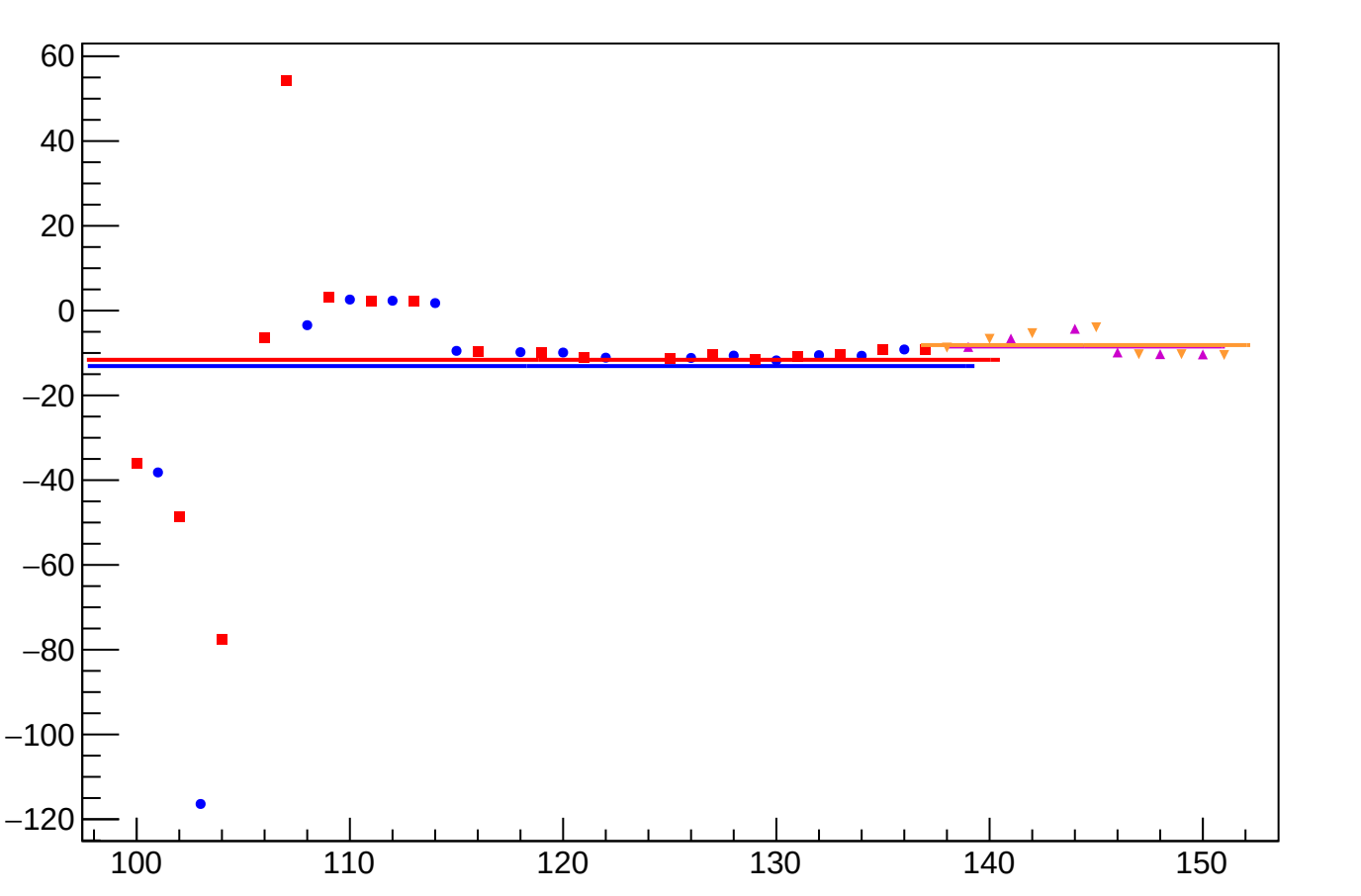
Left: 15.762+/-0.309 χ^2/NDF: 241.8/12

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.620+/-0.320 χ^2/NDF:378.5/21

Out: 18.203+/-0.319 χ^2/NDF:314.2/24

All: 18.411+/-0.226 χ^2/NDF: 693.5/46



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.132+/-0.021 χ^2/NDF:13037.0/6

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -8.476+/-0.021 χ^2/NDF:9338.6/5

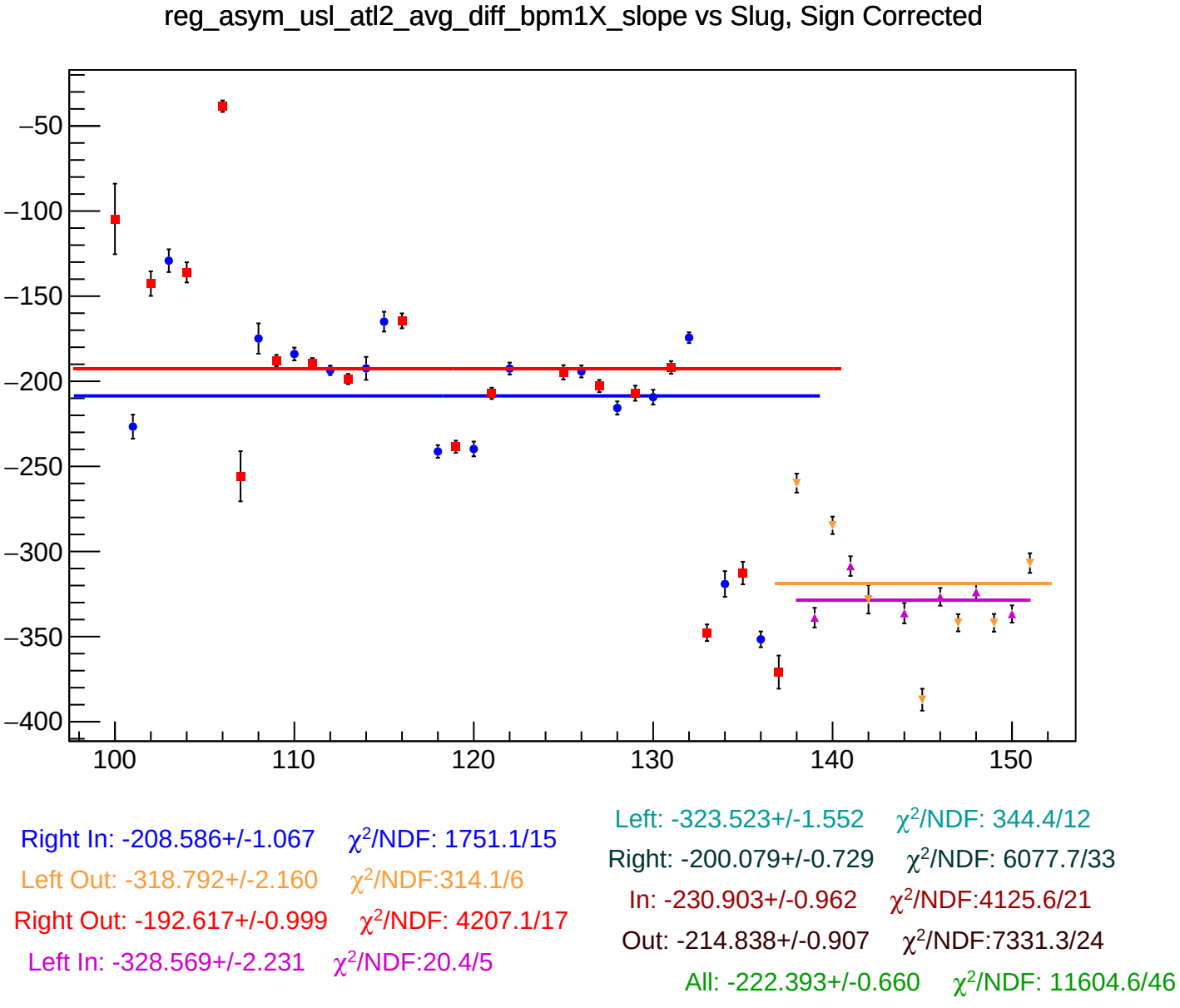
Left: -8.303+/-0.015 χ^2/NDF: 22508.6/12

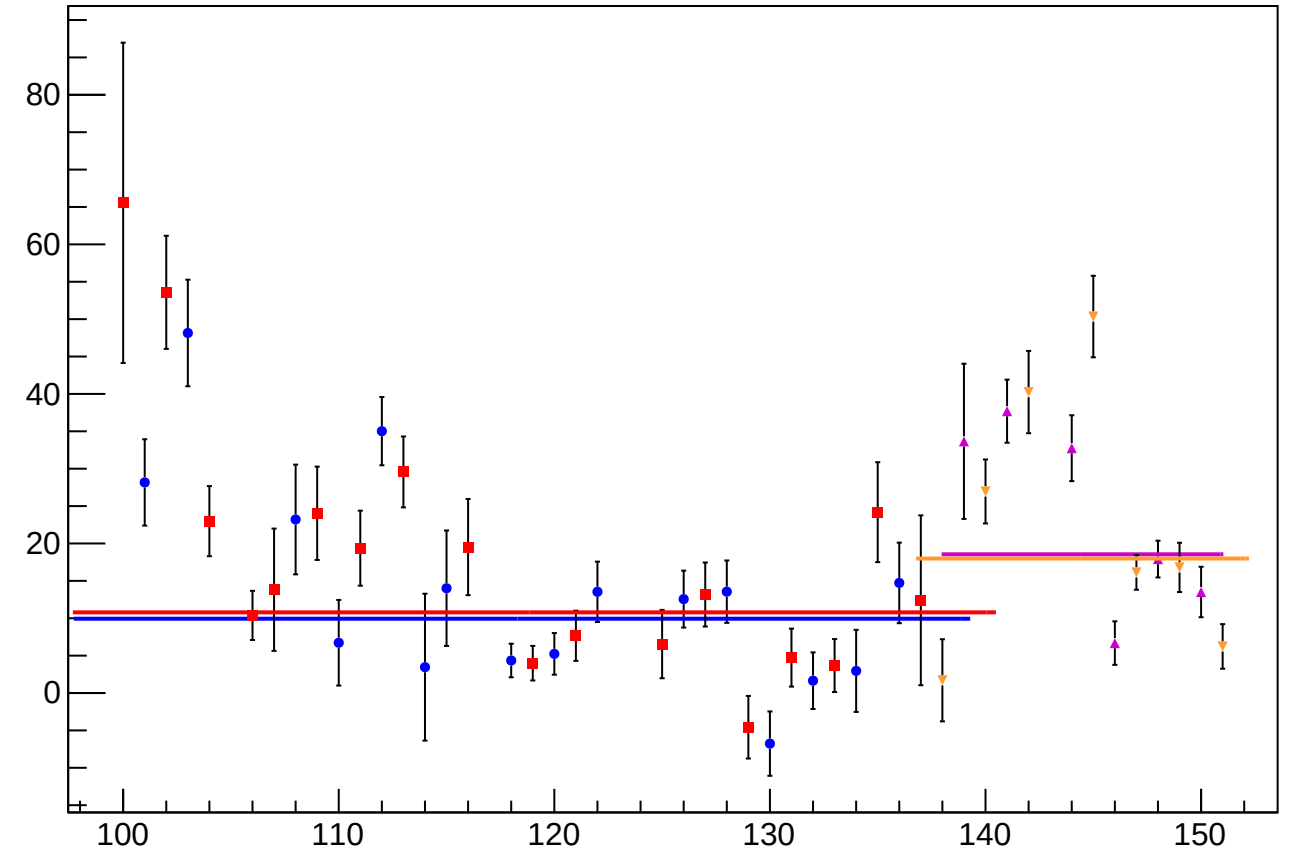
Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.124+/-0.017 χ^2/NDF:371198.6/21

Out: -9.238+/-0.017 χ^2/NDF:335865.5/24

All: -9.692+/-0.012 χ^2/NDF: 708387.8/46


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
110
120
130
140
150
Right In: -208.586+/-1.067 χ²/NDF: 1751.1/15
Left Out: -318.792+/-2.160 χ²/NDF:314.1/6
Right Out: -192.617+/-0.999 χ²/NDF: 4207.1/17
Left In: -328.569+/-2.231 χ²/NDF:20.4/5
Left: -323.523+/-1.552 χ²/NDF: 344.4/12
Right: -200.079+/-0.729 χ²/NDF: 6077.7/33
In: -230.903+/-0.962 χ²/NDF:4125.6/21
Out: -214.838+/-0.907 χ²/NDF:7331.3/24
All: -222.393+/-0.660 χ²/NDF: 11604.6/46



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 17.987+/-1.356 χ^2/NDF:81.1/6

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 18.550+/-1.431 χ^2/NDF:52.0/5

Left: 18.254+/-0.984 χ^2/NDF: 133.3/12

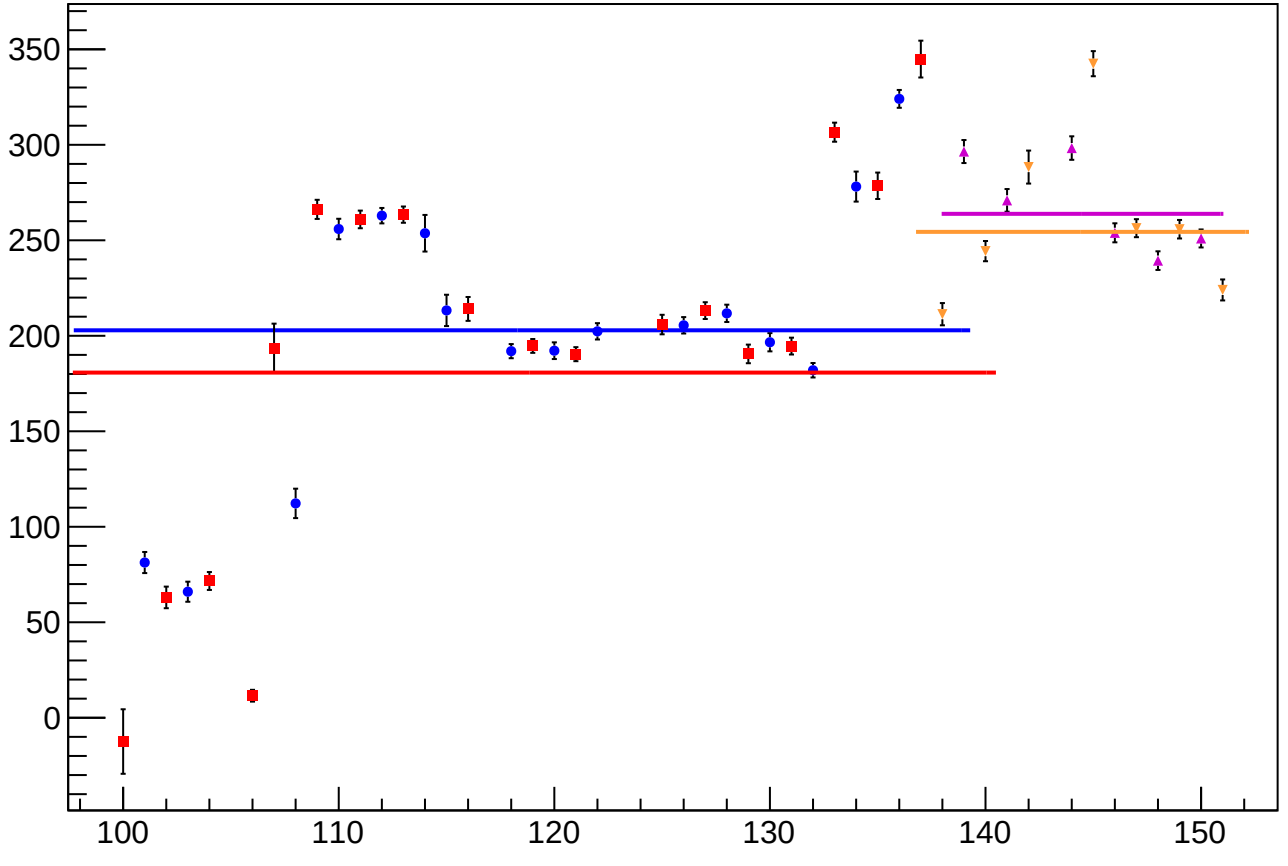
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 13.010+/-0.855 χ^2/NDF:181.9/21

Out: 13.467+/-0.827 χ^2/NDF:203.9/24

All: 13.246+/-0.594 χ^2/NDF: 386.0/46

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 254.418+/-2.121 χ^2/NDF:284.2/6

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 263.856+/-2.183 χ^2/NDF:98.7/5

Left: 259.000+/-1.521 χ^2/NDF: 392.5/12

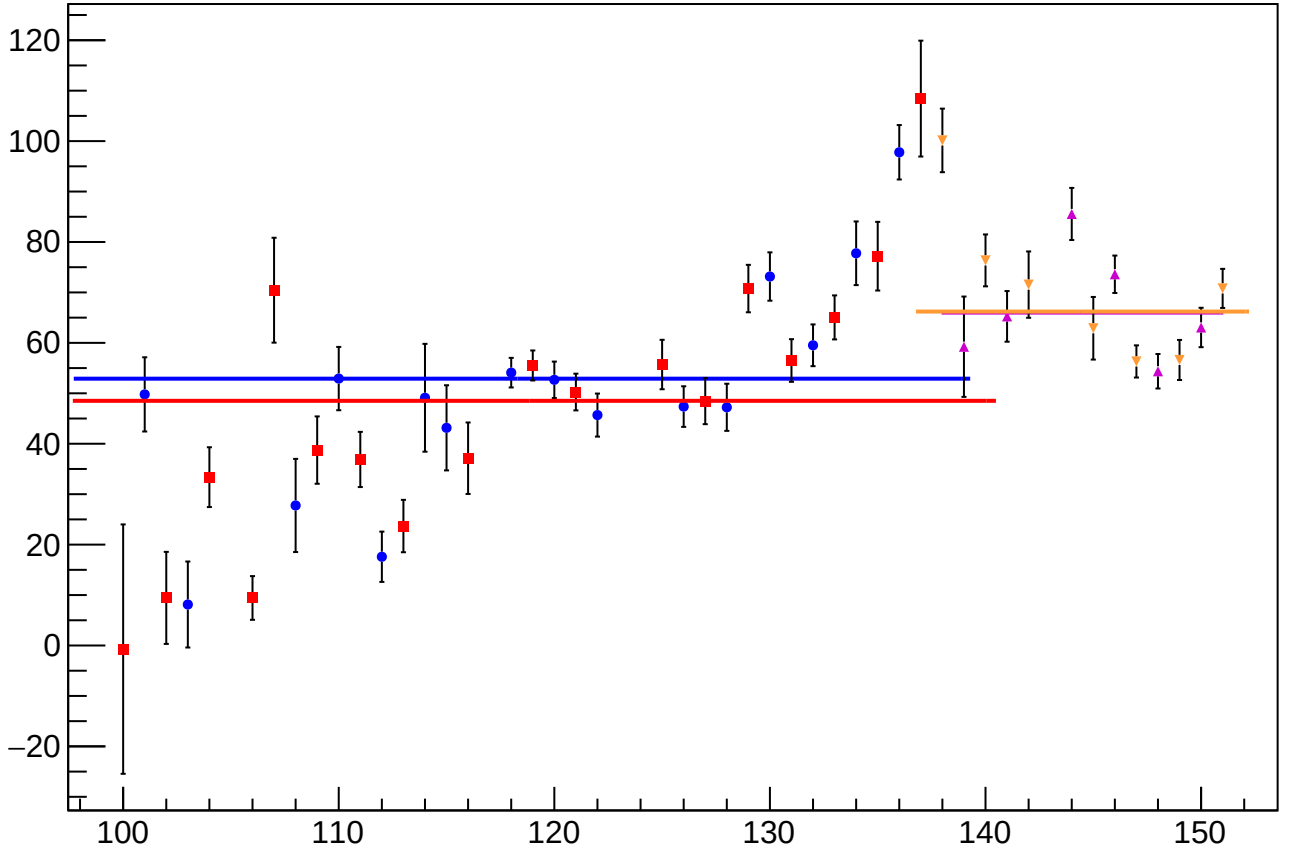
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 217.485+/-1.069 χ^2/NDF:3156.1/21

Out: 197.327+/-1.007 χ^2/NDF:7567.1/24

All: 206.803+/-0.733 χ^2/NDF: 10911.7/46

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: 66.206+/-1.714 χ^2/NDF:50.7/6

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 65.998+/-1.793 χ^2/NDF:31.2/5

Left: 66.107+/-1.239 χ^2/NDF: 81.9/12

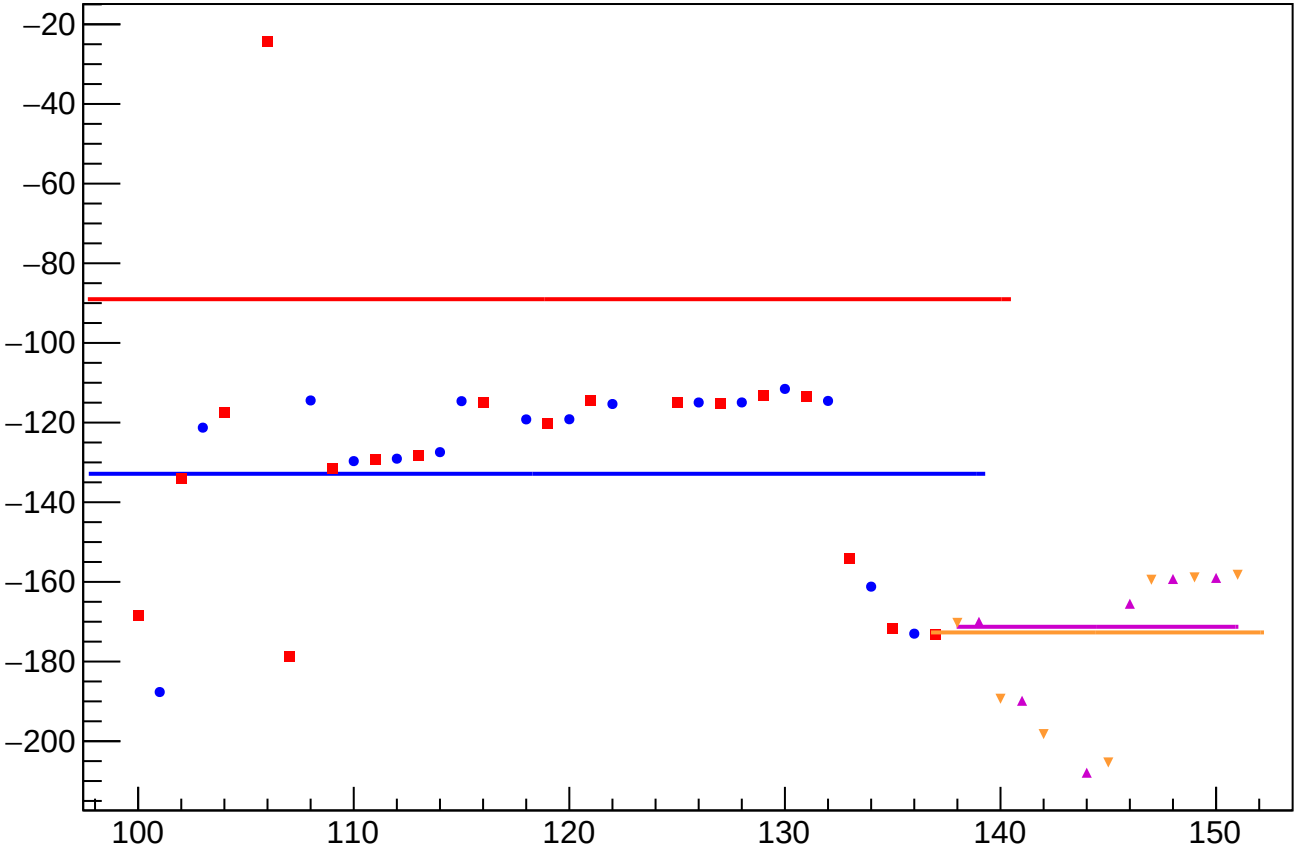
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 57.144+/-1.021 χ^2/NDF:265.5/21

Out: 54.425+/-0.991 χ^2/NDF:361.7/24

All: 55.744+/-0.711 χ^2/NDF: 630.9/46

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: -172.689+/-0.089 χ^2/NDF:38956.7/6

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -171.271+/-0.089 χ^2/NDF:32060.6/5

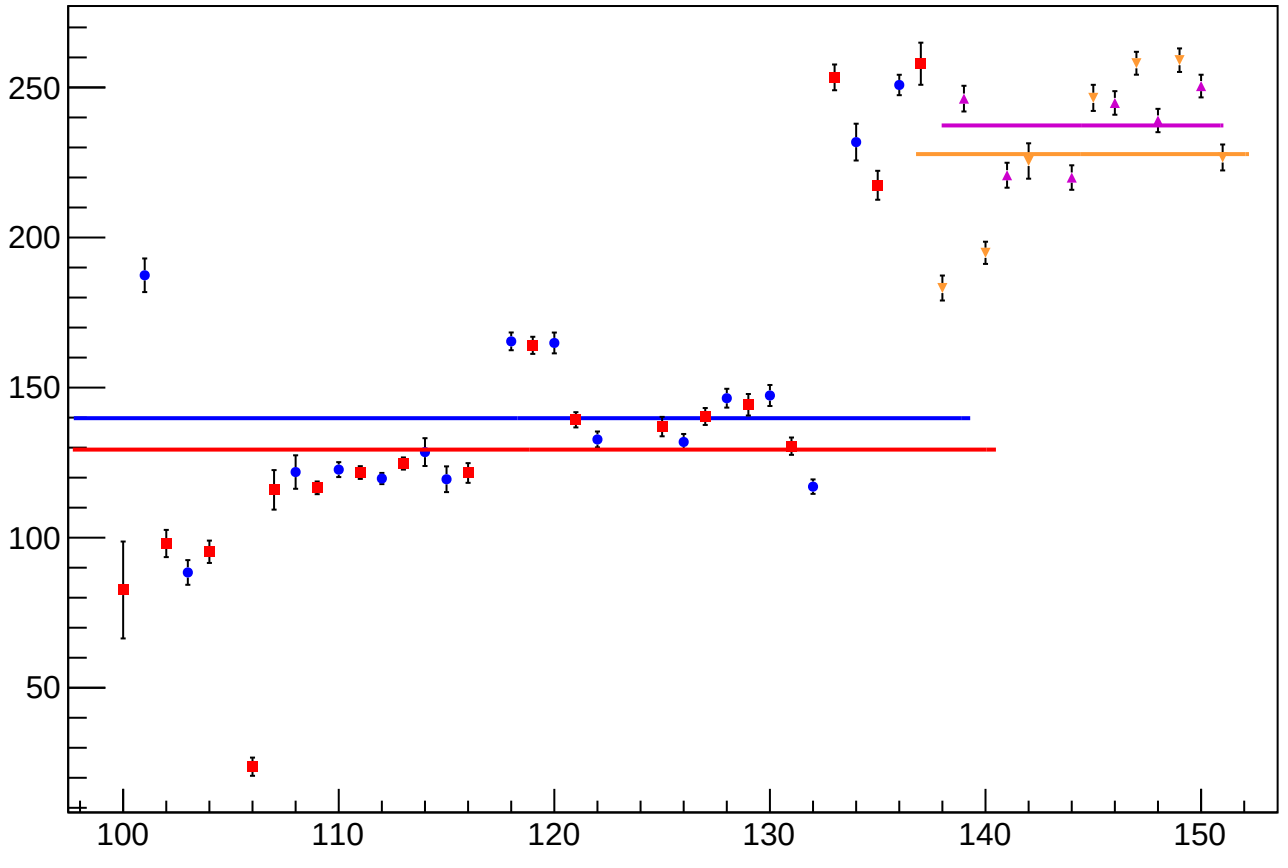
Left: -171.981+/-0.063 χ^2/NDF: 71144.7/12

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -150.363+/-0.060 χ^2/NDF:227175.0/21

Out: -117.713+/-0.052 χ^2/NDF:1350108.1/24

All: -131.717+/-0.039 χ^2/NDF: 1746291.6/46



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 227.794+/-1.582 χ^2/NDF:339.3/6

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 237.339+/-1.636 χ^2/NDF:54.3/5

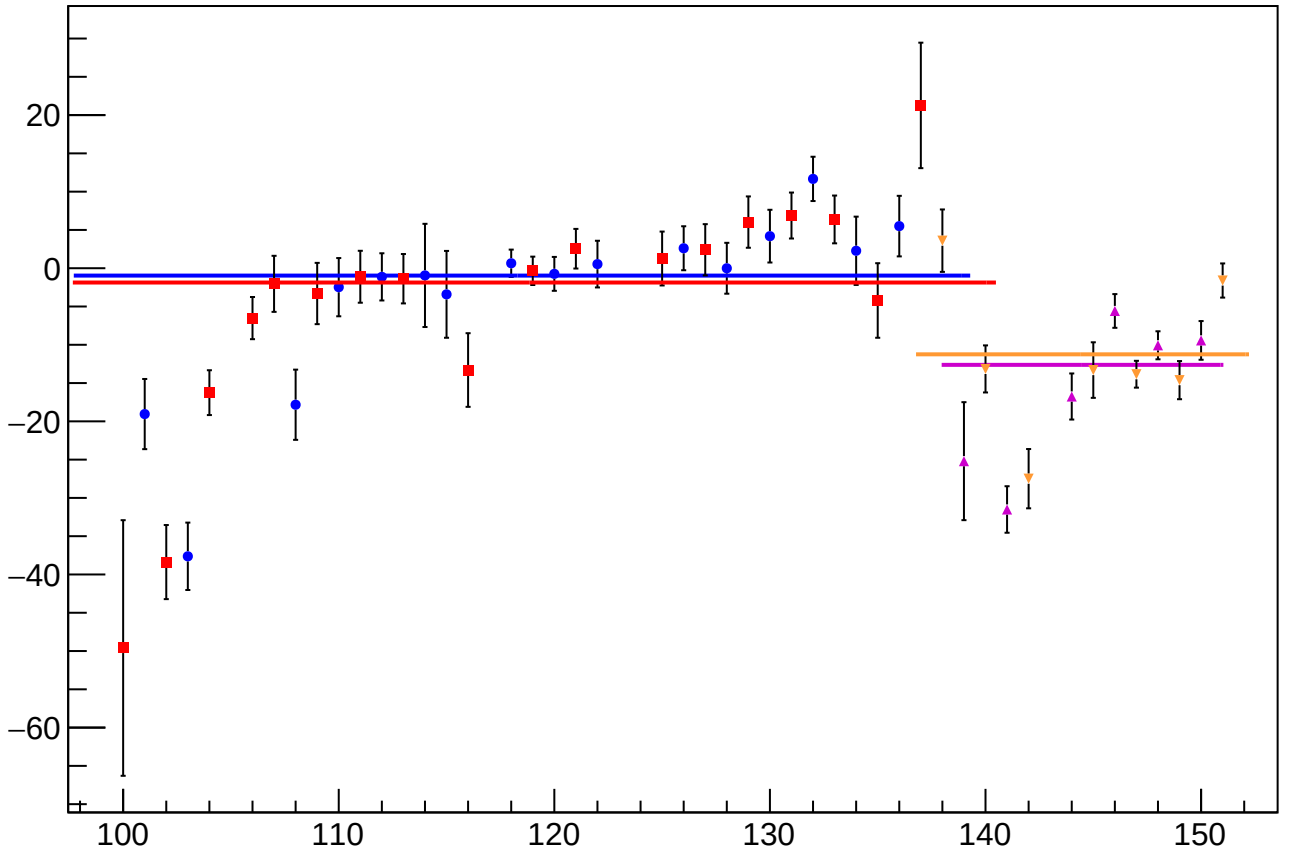
Left: 232.405+/-1.137 χ^2/NDF: 411.2/12

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 158.042+/-0.707 χ^2/NDF:4907.9/21

Out: 146.797+/-0.666 χ^2/NDF:6650.0/24

All: 152.081+/-0.485 χ^2/NDF: 11691.9/46



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -11.247+/-1.002 χ^2/NDF:54.3/6

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -12.622+/-1.056 χ^2/NDF:57.0/5

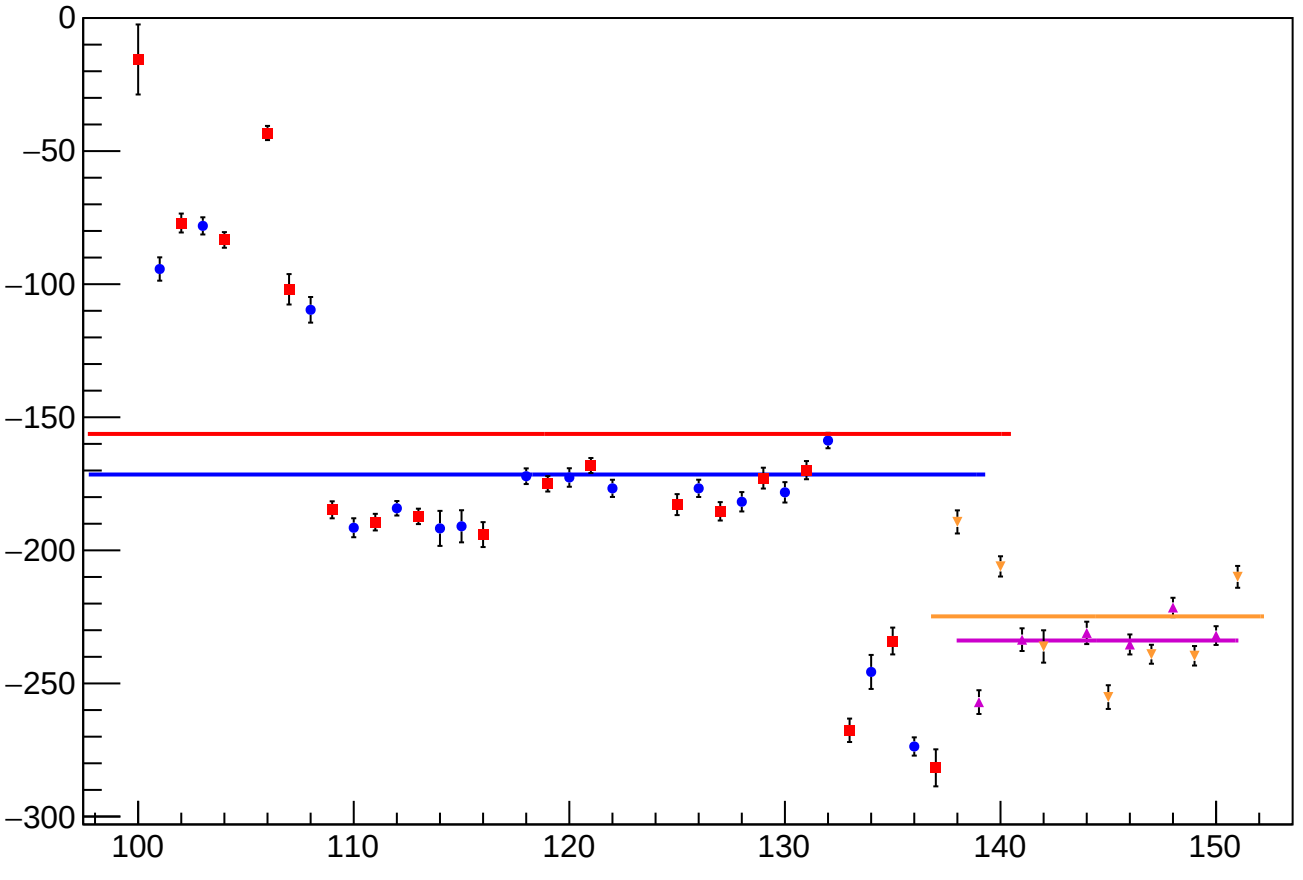
Left: -11.899+/-0.727 χ^2/NDF: 112.2/12

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -5.271+/-0.642 χ^2/NDF:259.9/21

Out: -5.428+/-0.617 χ^2/NDF:241.8/24

All: -5.353+/-0.445 χ^2/NDF: 501.8/46



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.804+/-1.557 χ^2/NDF:186.4/6

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -233.872+/-1.604 χ^2/NDF:39.4/5

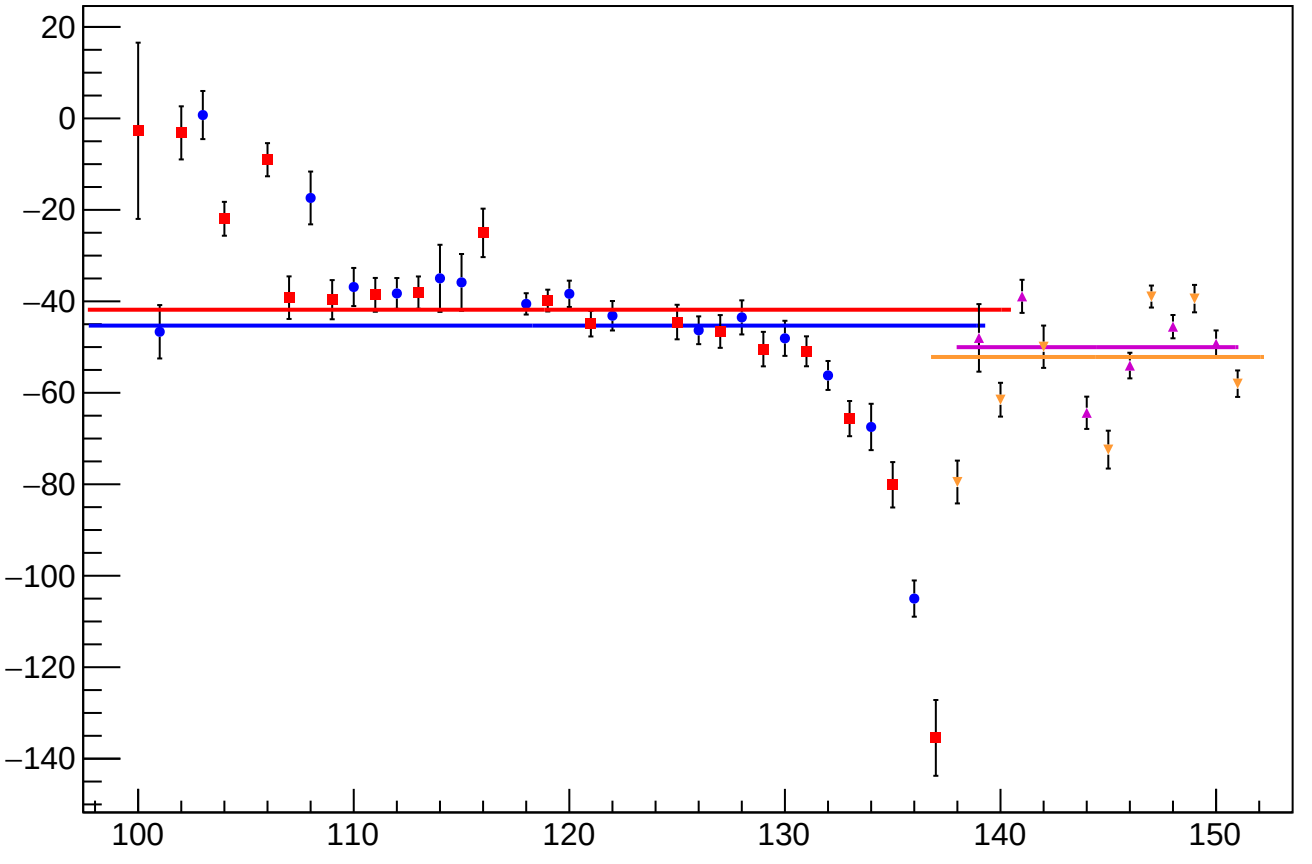
Left: -229.203+/-1.117 χ^2/NDF: 242.2/12

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -186.605+/-0.789 χ^2/NDF:3627.4/21

Out: -171.918+/-0.744 χ^2/NDF:6585.6/24

All: -178.830+/-0.542 χ^2/NDF: 10396.2/46



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -52.165+/-1.263 χ^2/NDF:117.0/6

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -50.018+/-1.321 χ^2/NDF:31.3/5

Left: -51.140+/-0.913 χ^2/NDF: 149.7/12

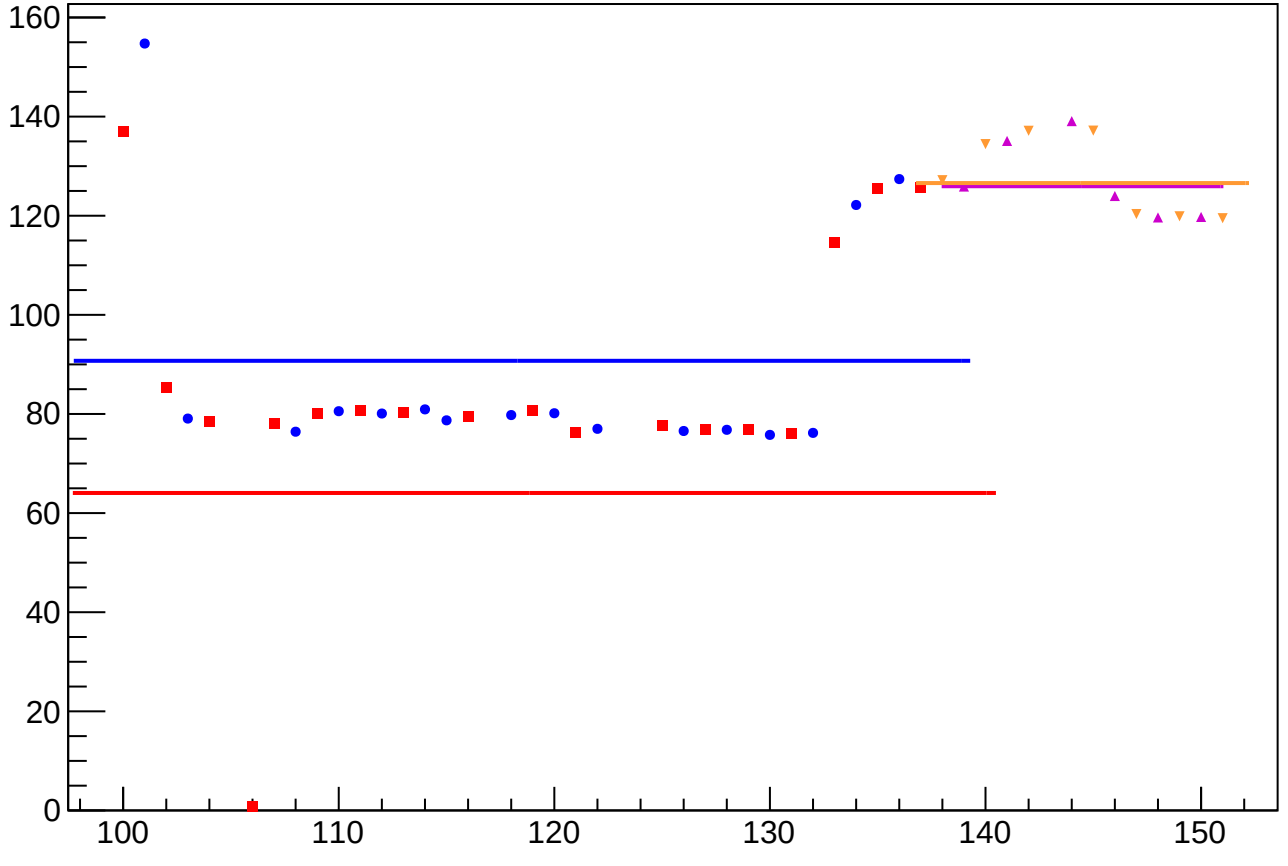
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -46.884+/-0.765 χ^2/NDF:421.8/21

Out: -45.361+/-0.738 χ^2/NDF:575.4/24

All: -46.095+/-0.531 χ^2/NDF: 999.2/46

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 126.591+/-0.065 χ^2/NDF:12882.5/6

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 125.951+/-0.065 χ^2/NDF:11464.4/5

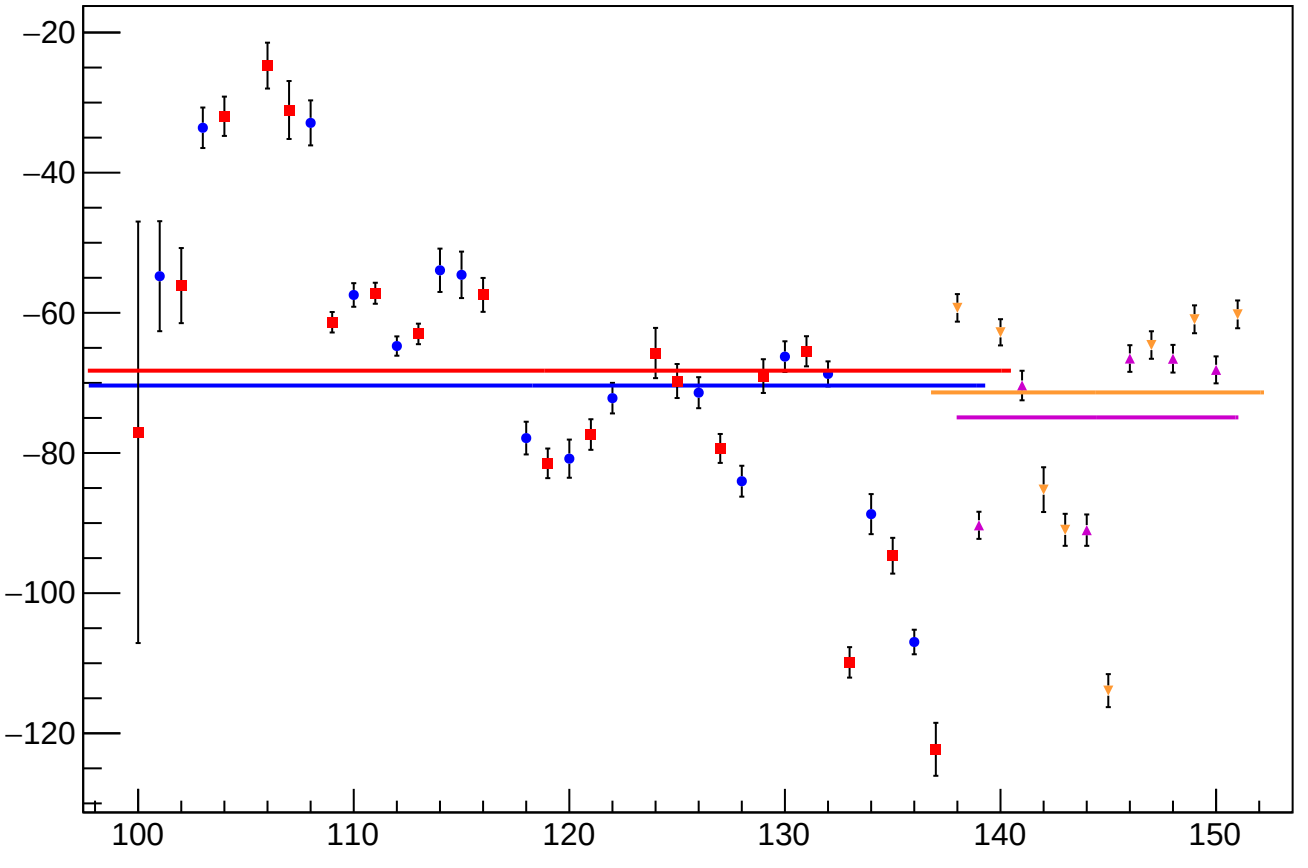
Left: 126.272+/-0.046 χ^2/NDF: 24395.0/12

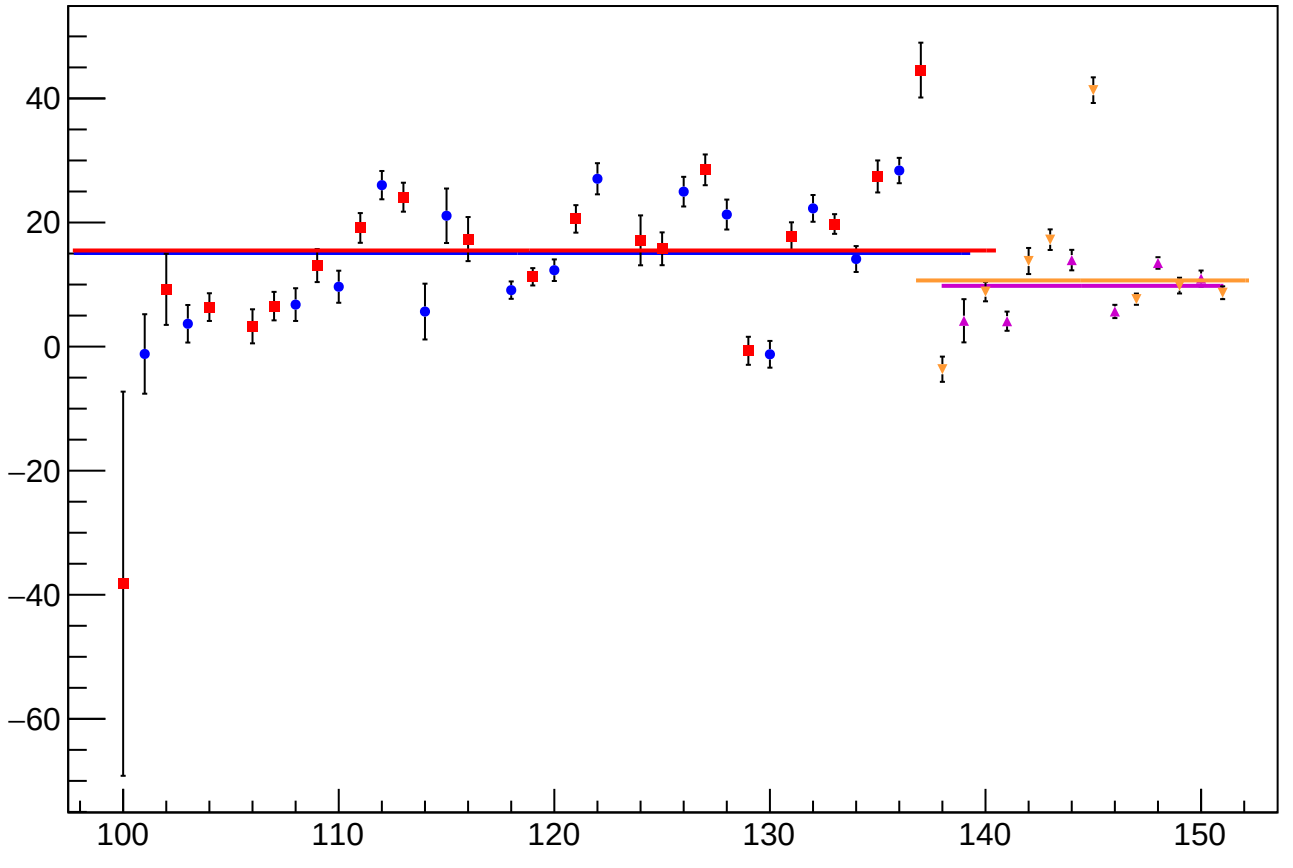
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 106.366+/-0.044 χ^2/NDF:333691.9/21

Out: 86.810+/-0.039 χ^2/NDF:1259262.7/24

All: 95.579+/-0.029 χ^2/NDF: 1703880.9/46


reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -70.374+/-0.558 χ²/NDF: 974.9/15
Left Out: -71.357+/-0.750 χ²/NDF:548.4/7
Right Out: -68.252+/-0.527 χ²/NDF: 1306.0/18
Left In: -74.920+/-0.818 χ²/NDF:169.6/5
Left: -72.983+/-0.553 χ²/NDF: 728.3/13
Right: -69.252+/-0.383 χ²/NDF: 2288.5/34
In: -71.817+/-0.461 χ²/NDF:1165.6/21
Out: -69.278+/-0.431 χ²/NDF:1865.9/26
All: -70.463+/-0.315 χ²/NDF: 3047.6/48



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 10.663+/-0.485 χ^2/NDF:303.7/7

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 9.793+/-0.535 χ^2/NDF:53.8/5

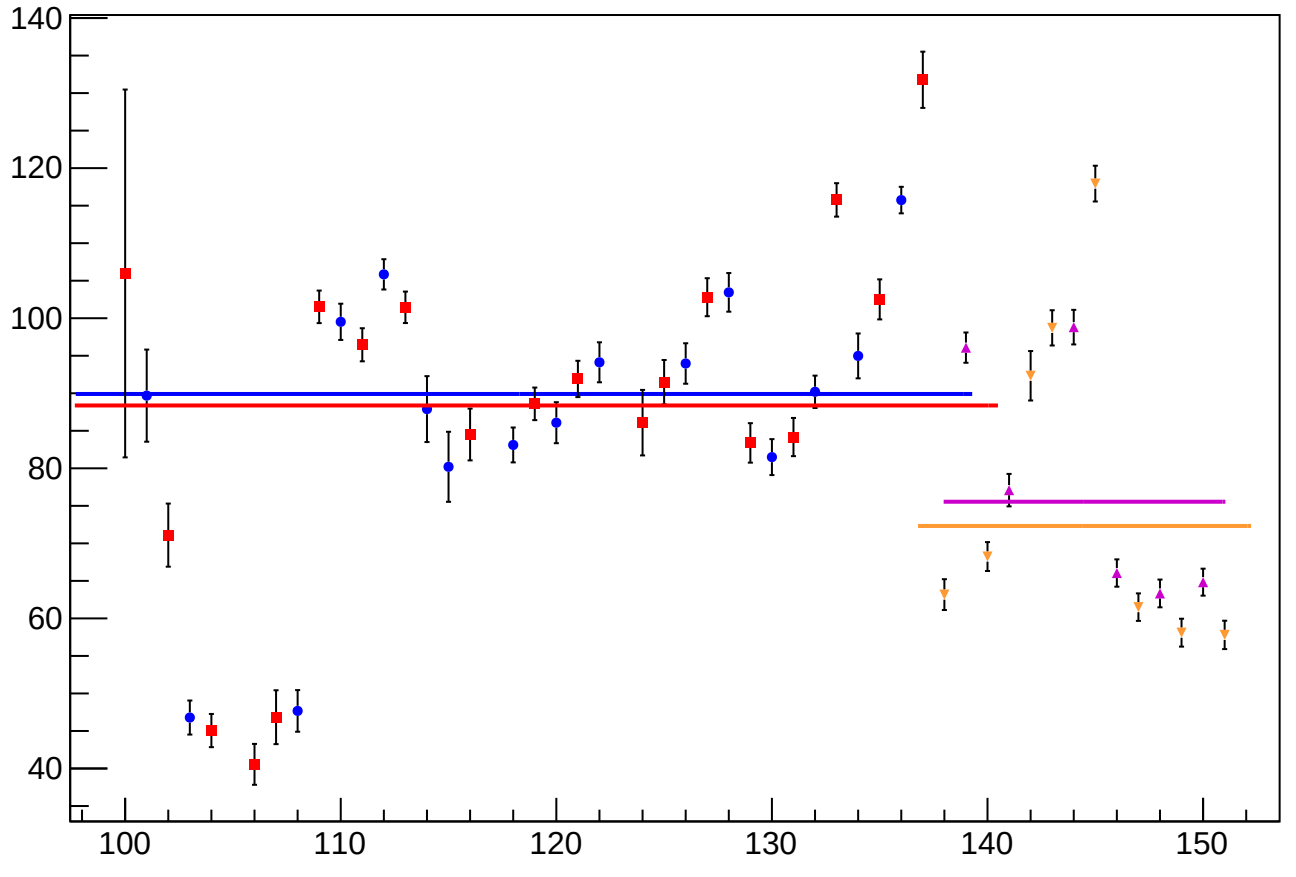
Left: 10.271+/-0.359 χ^2/NDF: 359.0/13

Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 12.227+/-0.394 χ^2/NDF:341.3/21

Out: 12.739+/-0.366 χ^2/NDF:585.6/26

All: 12.501+/-0.268 χ^2/NDF: 927.8/48



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 72.319+/-0.741 χ^2/NDF:706.1/7

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 75.549+/-0.803 χ^2/NDF:312.5/5

Left: 73.804+/-0.544 χ^2/NDF: 1027.4/13

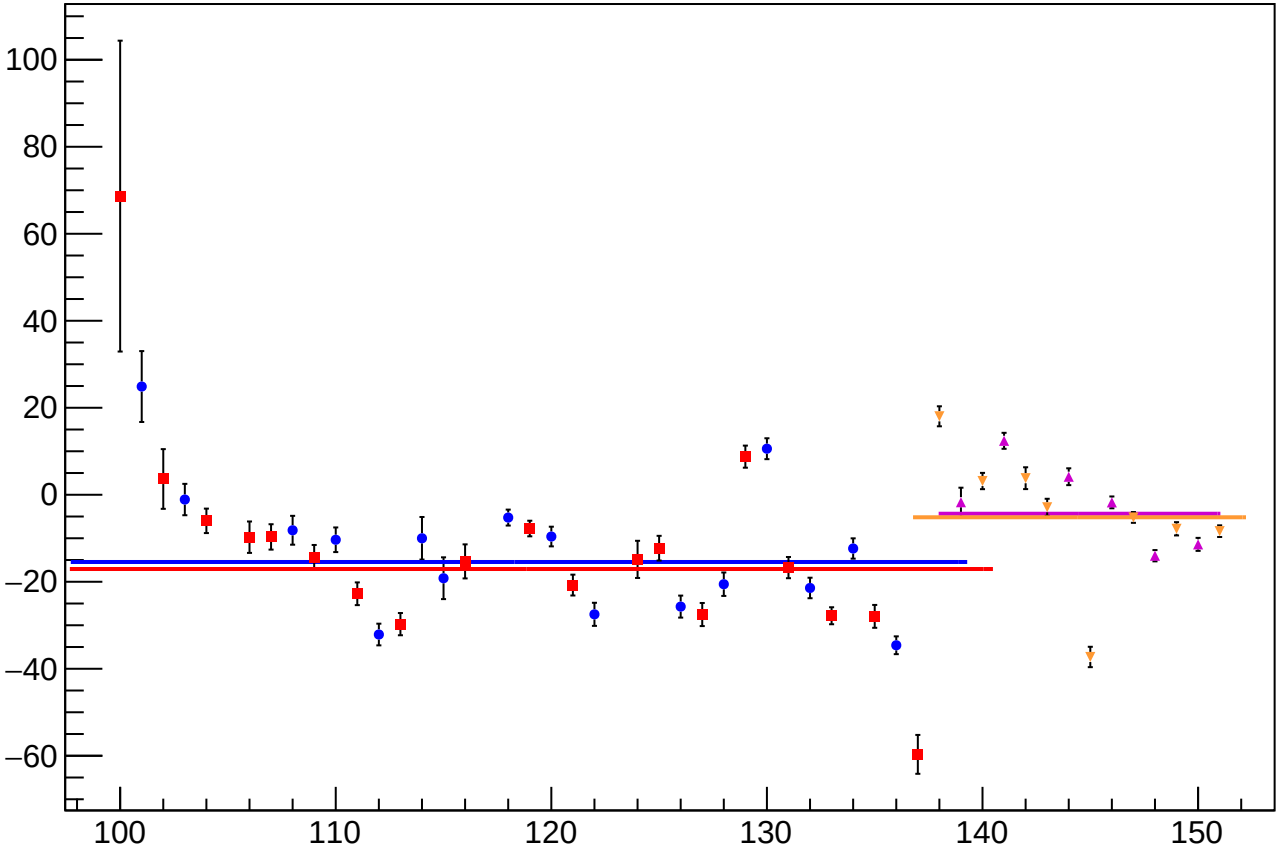
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 84.321+/-0.501 χ^2/NDF:1455.6/21

Out: 81.791+/-0.474 χ^2/NDF:2272.3/26

All: 82.987+/-0.344 χ^2/NDF: 3741.4/48

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: -5.177+/-0.607 χ^2/NDF:332.5/7

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -4.361+/-0.669 χ^2/NDF:184.5/5

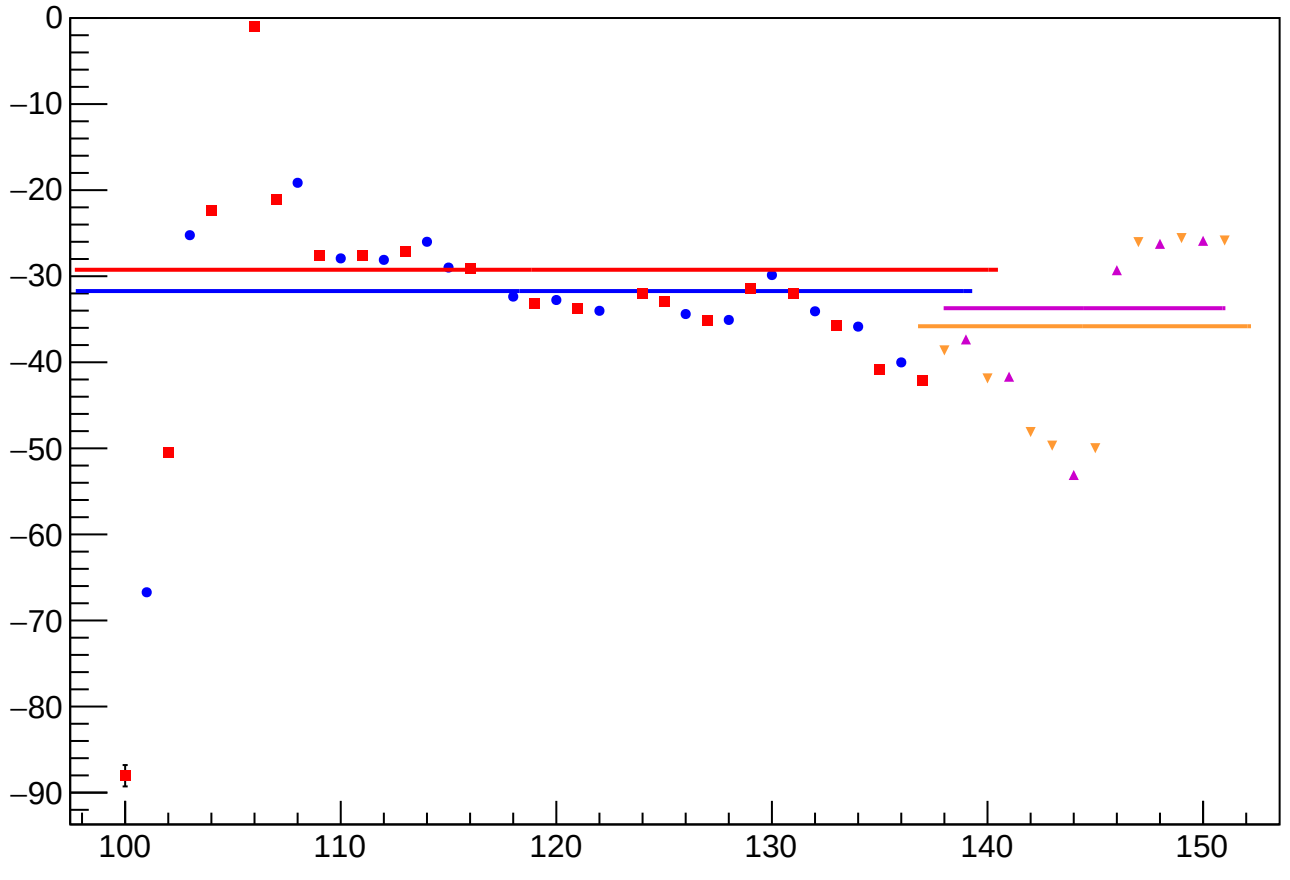
Left: -4.809+/-0.450 χ^2/NDF: 517.8/13

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -9.936+/-0.472 χ^2/NDF:709.2/21

Out: -10.777+/-0.442 χ^2/NDF:874.0/26

All: -10.384+/-0.322 χ^2/NDF: 1584.9/48



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -35.813+/-0.031 χ^2/NDF:107280.3/7

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -33.717+/-0.033 χ^2/NDF:70630.5/5

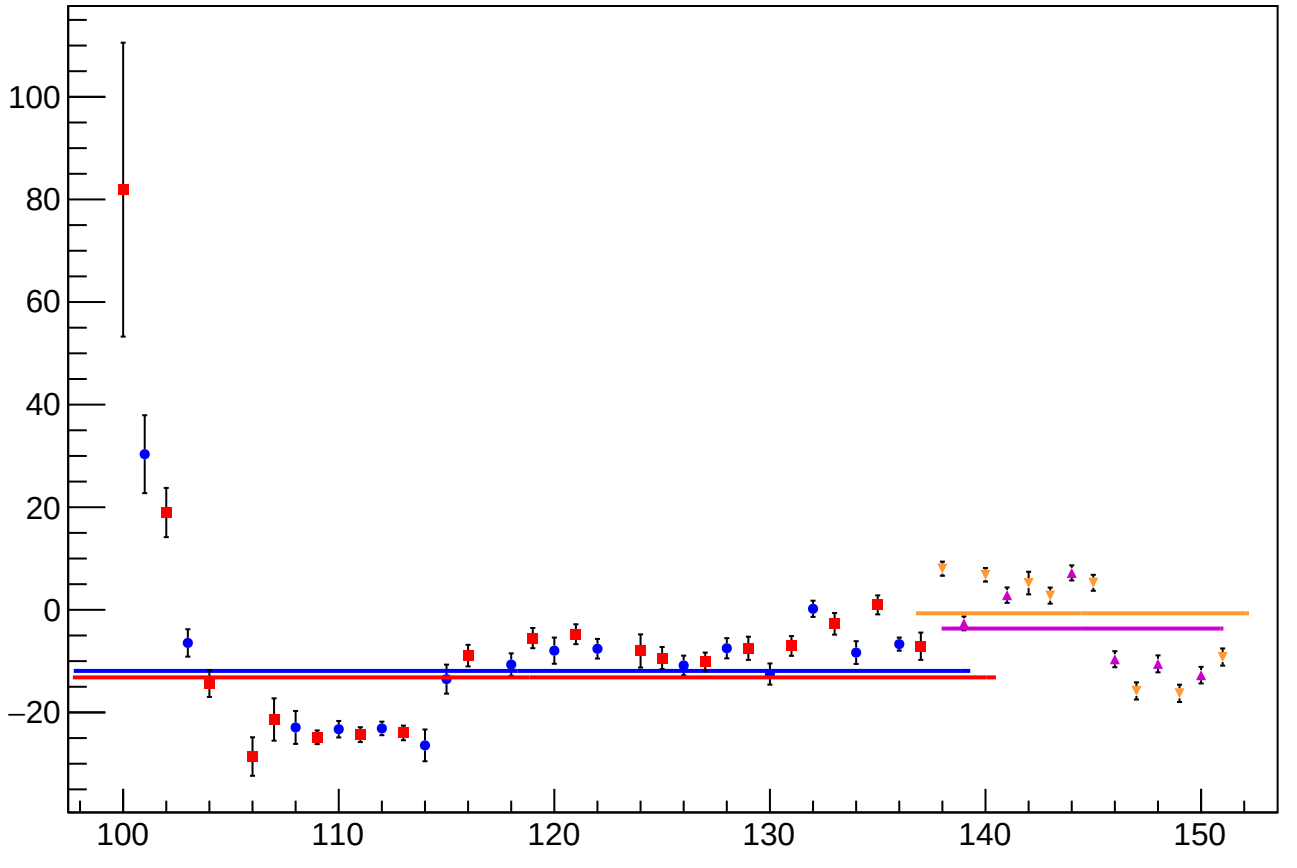
Left: -34.825+/-0.022 χ^2/NDF: 180107.4/13

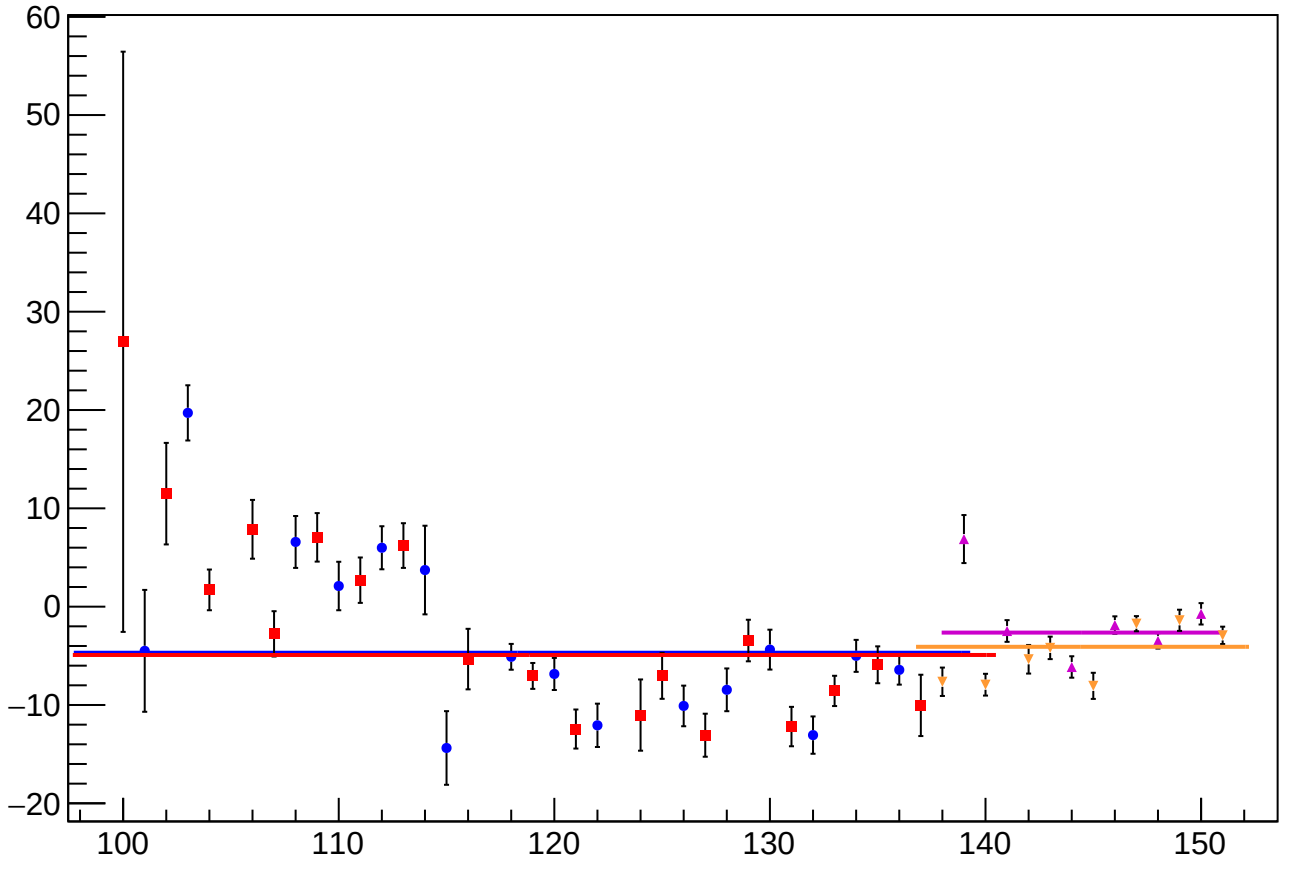
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -32.888+/-0.025 χ^2/NDF:111830.2/21

Out: -33.255+/-0.024 χ^2/NDF:220317.3/26

All: -33.078+/-0.017 χ^2/NDF: 332259.9/48


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: -0.676+/-0.561 χ²/NDF:291.4/7
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -3.651+/-0.619 χ²/NDF:136.9/5
Left: -2.015+/-0.416 χ²/NDF: 441.0/13
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -8.675+/-0.387 χ²/NDF:527.0/21
Out: -7.882+/-0.365 χ²/NDF:999.5/26
All: -8.254+/-0.266 χ²/NDF: 1528.7/48



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.082+/-0.380 χ^2/NDF:45.2/7

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.638+/-0.423 χ^2/NDF:30.5/5

Left: -3.438+/-0.283 χ^2/NDF: 82.1/13

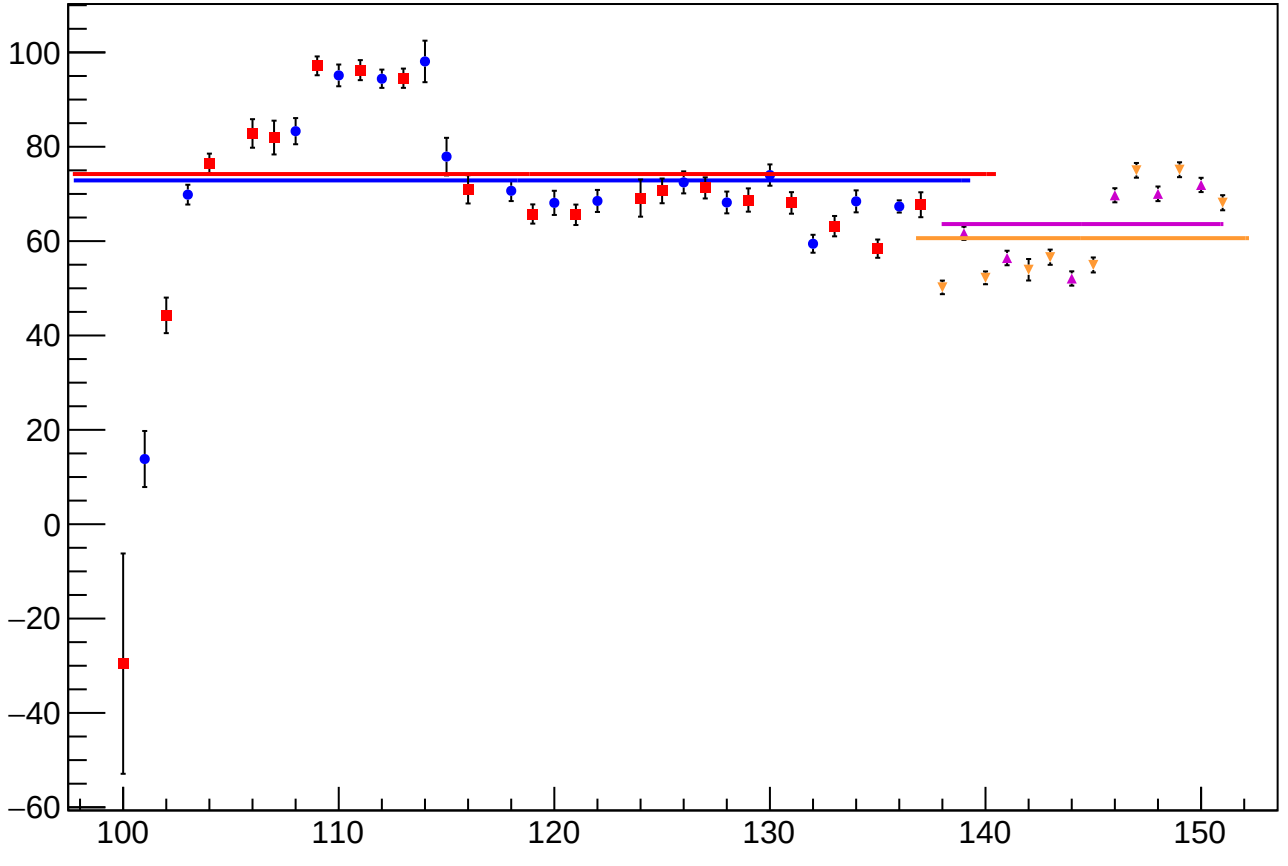
Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.460+/-0.327 χ^2/NDF:218.9/21

Out: -4.377+/-0.305 χ^2/NDF:202.8/26

All: -3.951+/-0.223 χ^2/NDF: 425.9/48

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 60.629+/-0.559 χ^2/NDF:309.7/7

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 63.614+/-0.613 χ^2/NDF:145.2/5

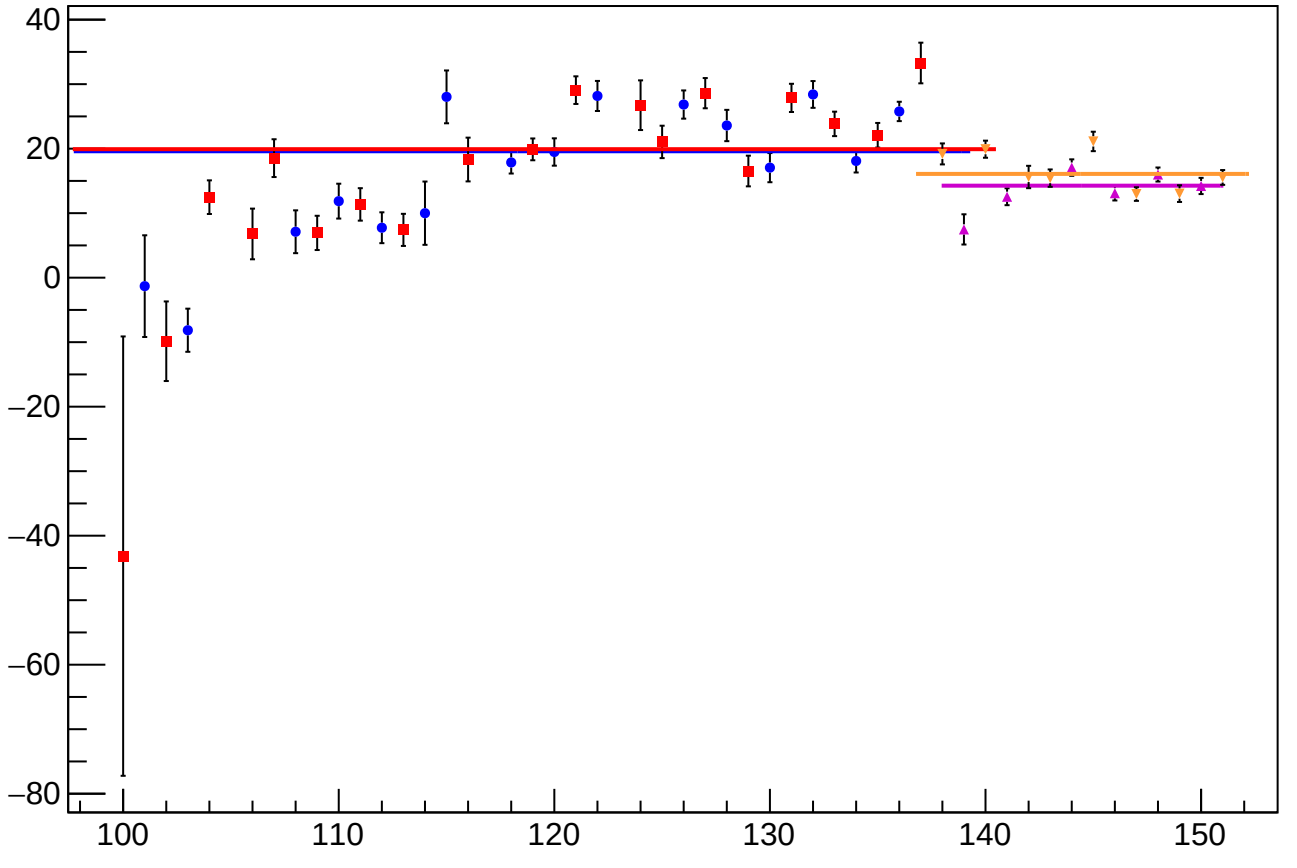
Left: 61.985+/-0.413 χ^2/NDF: 467.8/13

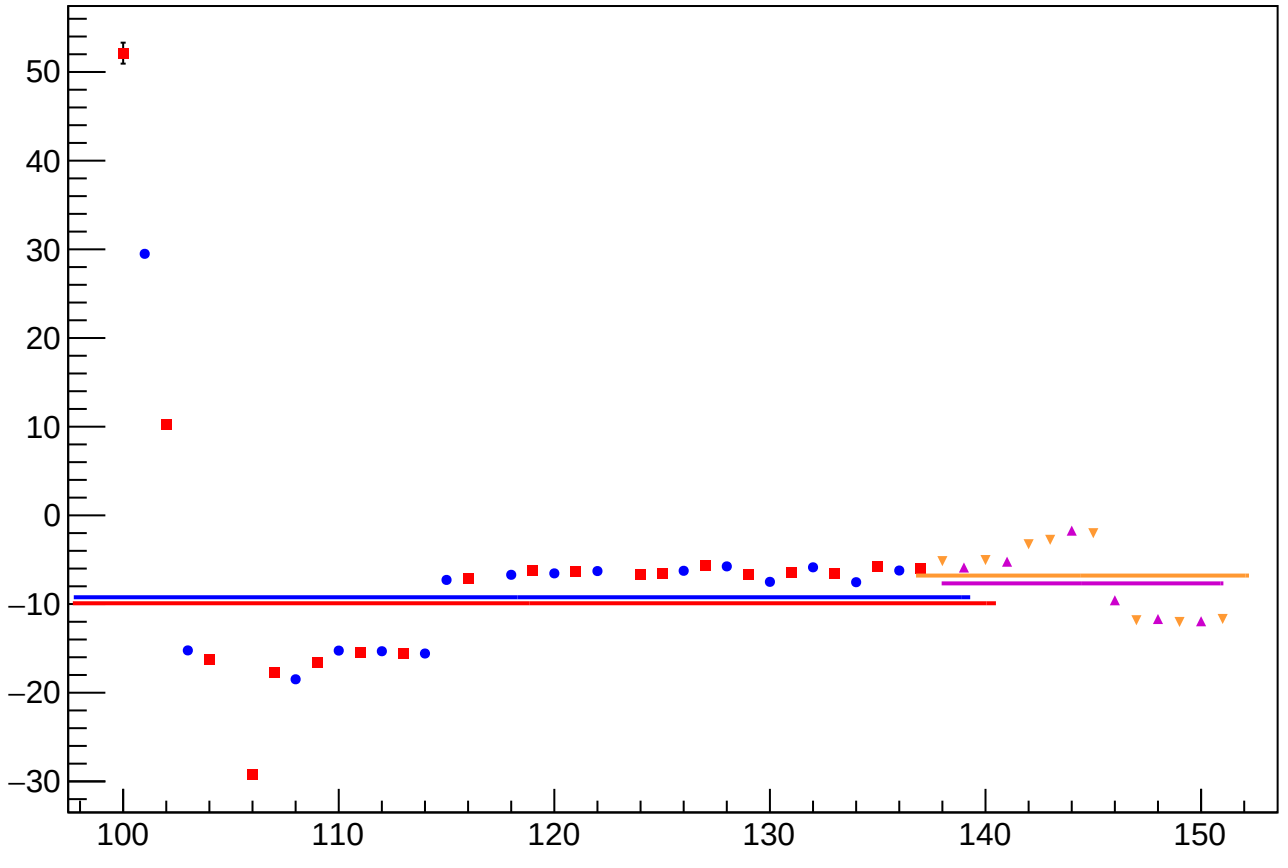
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 68.616+/-0.416 χ^2/NDF:718.9/21

Out: 67.388+/-0.397 χ^2/NDF:1189.4/26

All: 67.973+/-0.287 χ^2/NDF: 1912.9/48


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 19.598+/-0.585 χ²/NDF: 196.0/15
Left Out: 16.086+/-0.470 χ²/NDF:38.0/7
Right Out: 19.919+/-0.585 χ²/NDF: 181.3/18
Left In: 14.262+/-0.524 χ²/NDF:18.5/5
Left: 15.272+/-0.350 χ²/NDF: 63.2/13
Right: 19.759+/-0.414 χ²/NDF: 377.5/34
In: 16.635+/-0.390 χ²/NDF:260.7/21
Out: 17.588+/-0.366 χ²/NDF:245.4/26
All: 17.142+/-0.267 χ²/NDF: 509.2/48



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -6.789+/-0.023 χ^2/NDF:30216.4/7

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -7.671+/-0.025 χ^2/NDF:20316.1/5

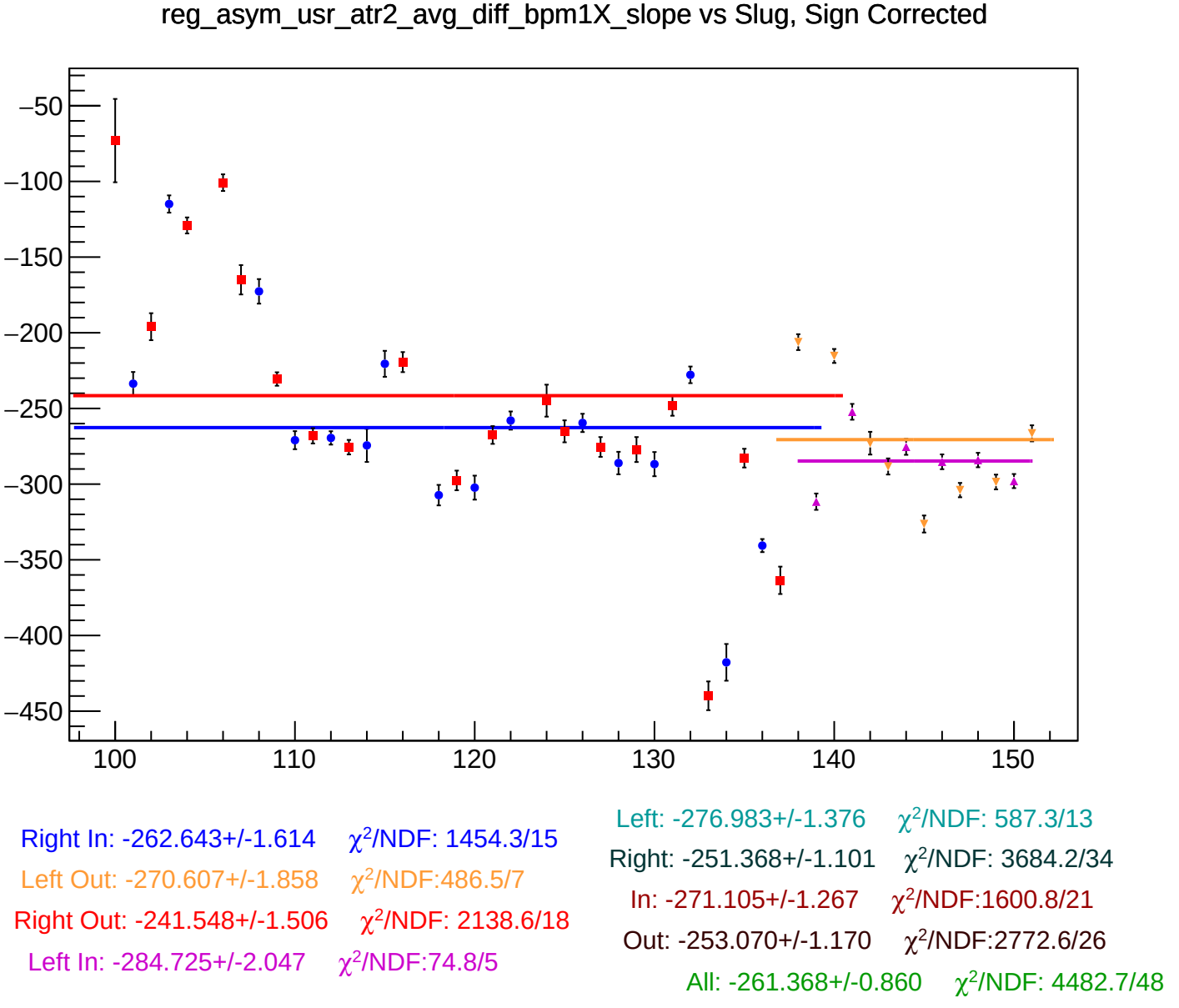
Left: -7.199+/-0.017 χ^2/NDF: 51208.7/13

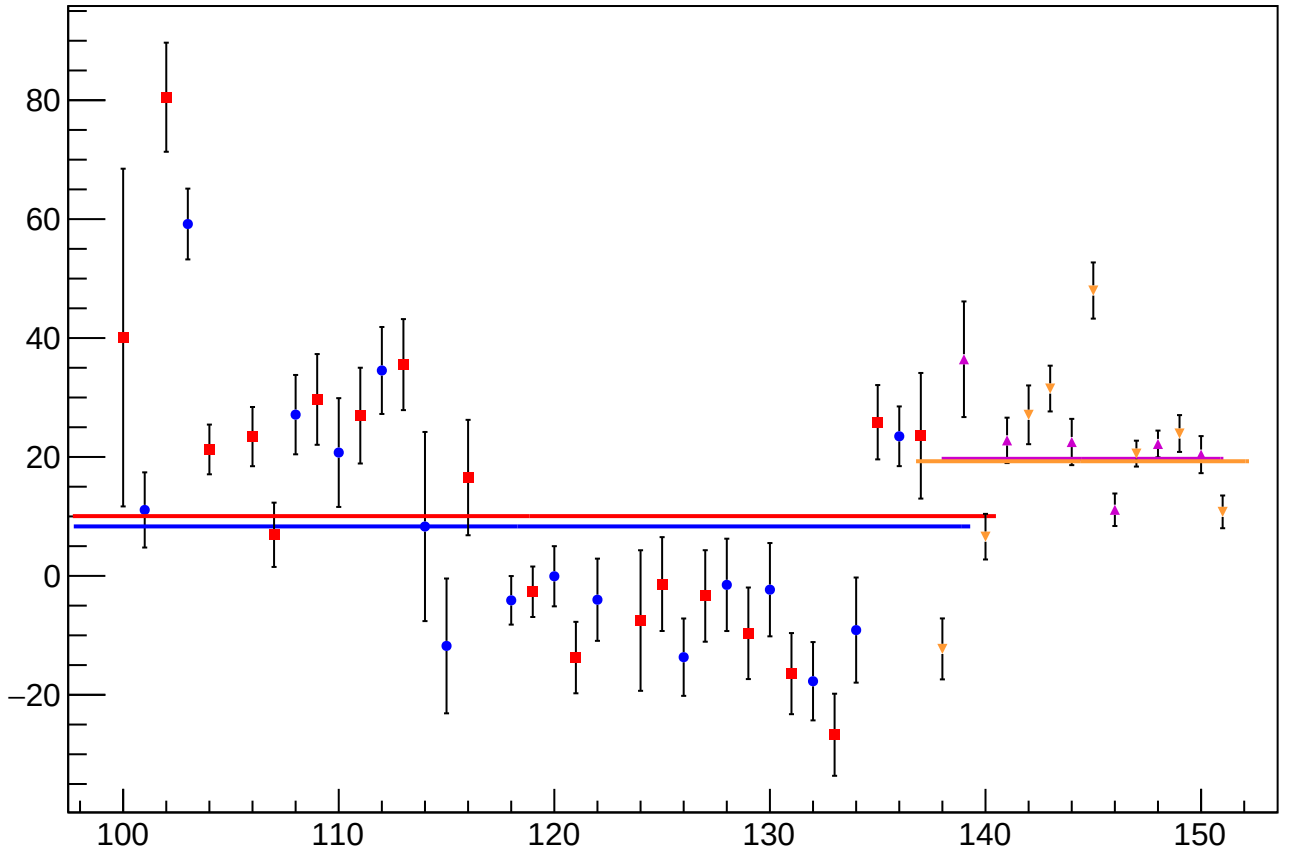
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -8.238+/-0.020 χ^2/NDF:52920.5/21

Out: -7.760+/-0.019 χ^2/NDF:89752.3/26

All: -7.992+/-0.014 χ^2/NDF: 142974.4/48


reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
150
Right In: -262.643+/-1.614 χ²/NDF: 1454.3/15
Left Out: -270.607+/-1.858 χ²/NDF:486.5/7
Right Out: -241.548+/-1.506 χ²/NDF: 2138.6/18
Left In: -284.725+/-2.047 χ²/NDF:74.8/5
Left: -276.983+/-1.376 χ²/NDF: 587.3/13
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -271.105+/-1.267 χ²/NDF:1600.8/21
Out: -253.070+/-1.170 χ²/NDF:2772.6/26
All: -261.368+/-0.860 χ²/NDF: 4482.7/48



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 19.281+/-1.190 χ^2/NDF:110.5/7

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 19.687+/-1.313 χ^2/NDF:15.3/5

Left: 19.464+/-0.882 χ^2/NDF: 125.9/13

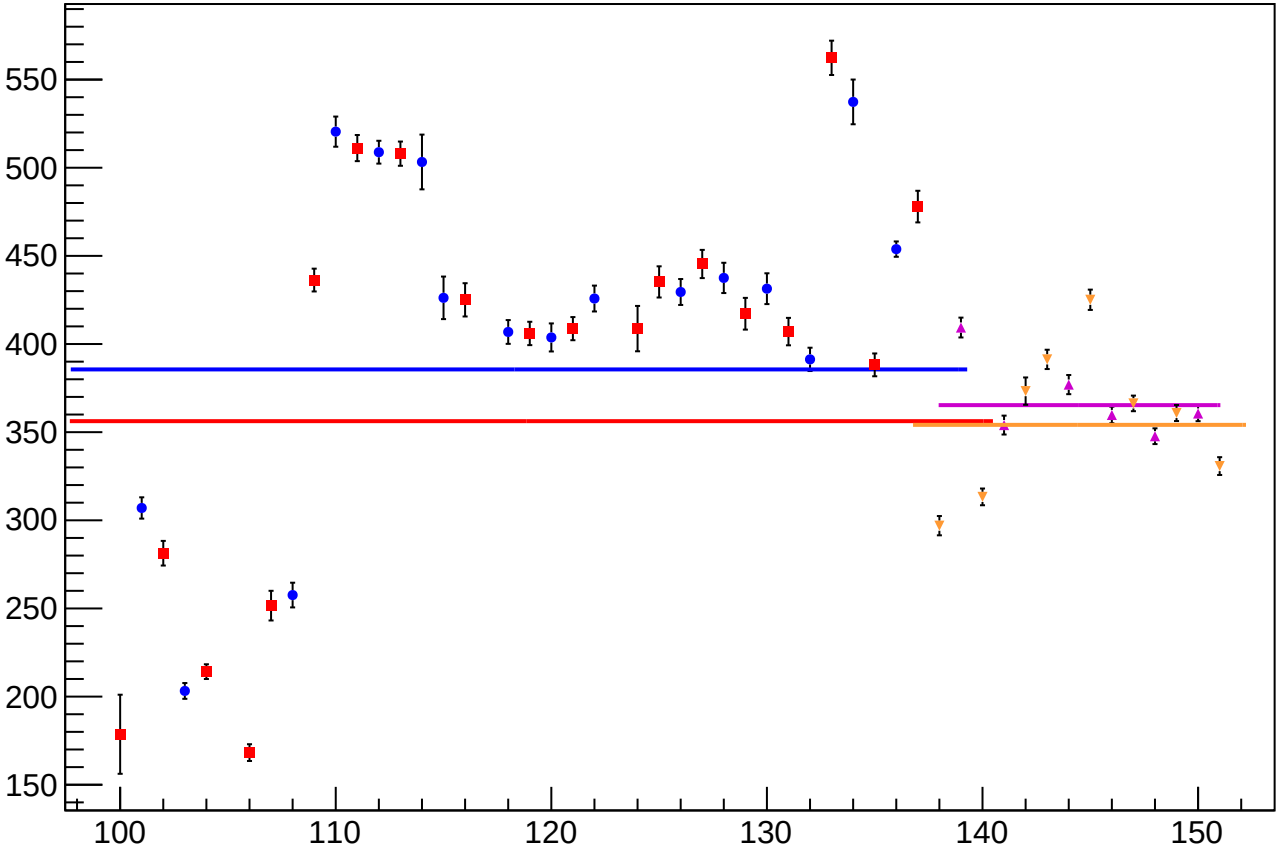
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 15.261+/-1.026 χ^2/NDF:202.1/21

Out: 15.828+/-0.941 χ^2/NDF:320.5/26

All: 15.569+/-0.694 χ^2/NDF: 522.7/48

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 354.146+/-1.837 χ^2/NDF:418.4/7

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 365.337+/-2.005 χ^2/NDF:88.4/5

Left: 359.253+/-1.354 χ^2/NDF: 523.7/13

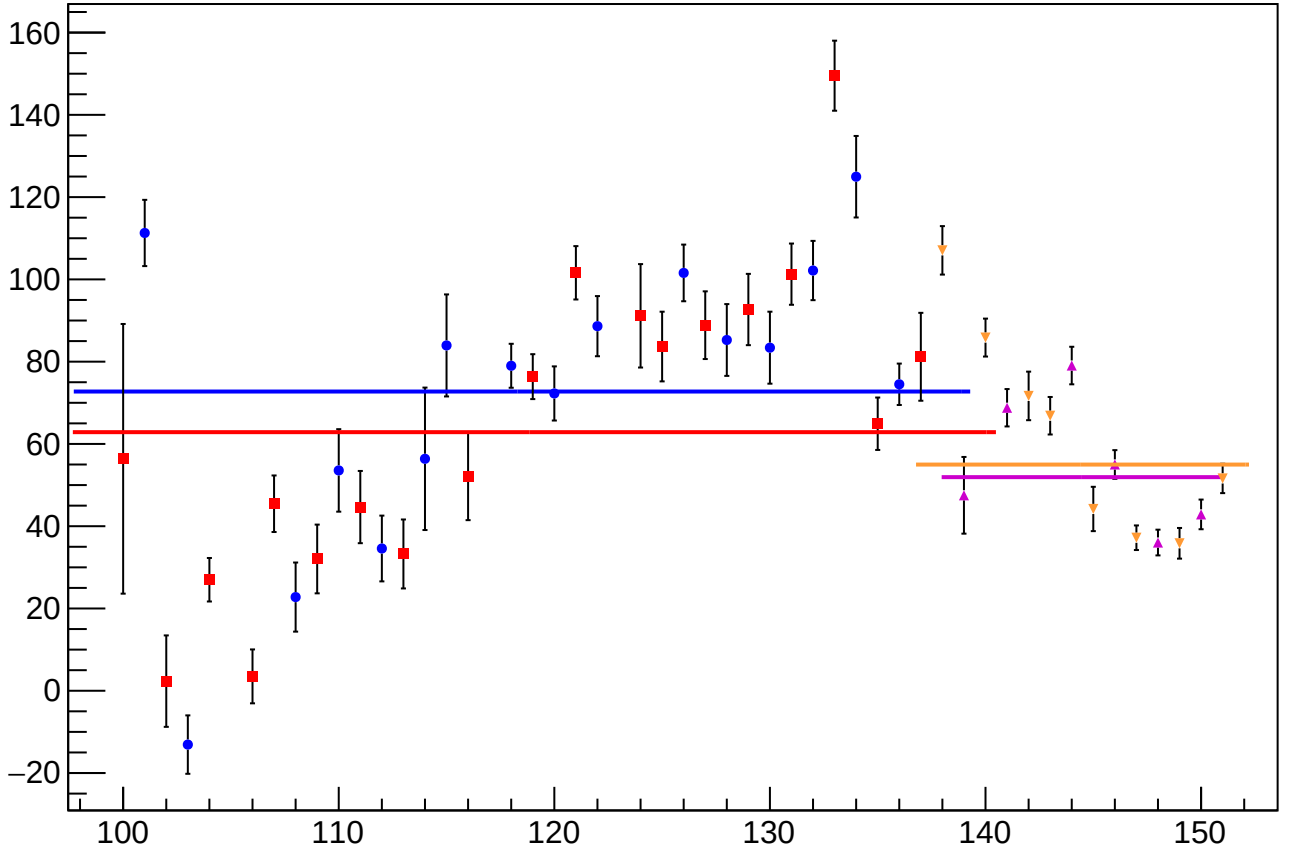
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 376.875+/-1.315 χ^2/NDF:3519.6/21

Out: 355.310+/-1.226 χ^2/NDF:5689.4/26

All: 365.338+/-0.897 χ^2/NDF: 9352.9/48

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 54.984+/-1.492 χ^2/NDF:204.4/7

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 51.928+/-1.645 χ^2/NDF:82.3/5

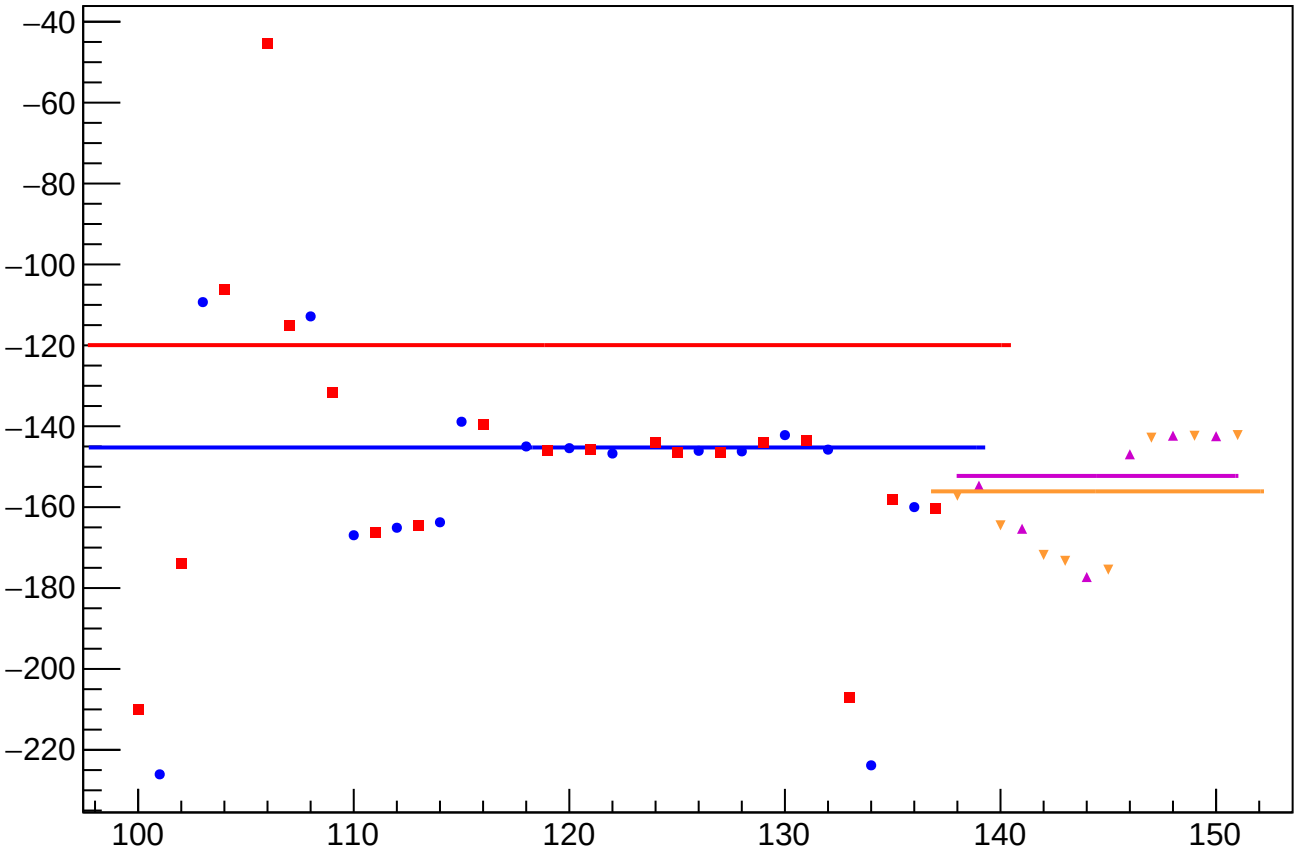
Left: 53.605+/-1.105 χ^2/NDF: 288.5/13

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 60.862+/-1.243 χ^2/NDF:455.3/21

Out: 58.204+/-1.147 χ^2/NDF:619.4/26

All: 59.427+/-0.843 χ^2/NDF: 1077.1/48



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -156.097+/-0.077 χ^2/NDF:31394.2/7

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -152.279+/-0.082 χ^2/NDF:21061.2/5

Left: -154.304+/-0.056 χ^2/NDF: 53613.4/13

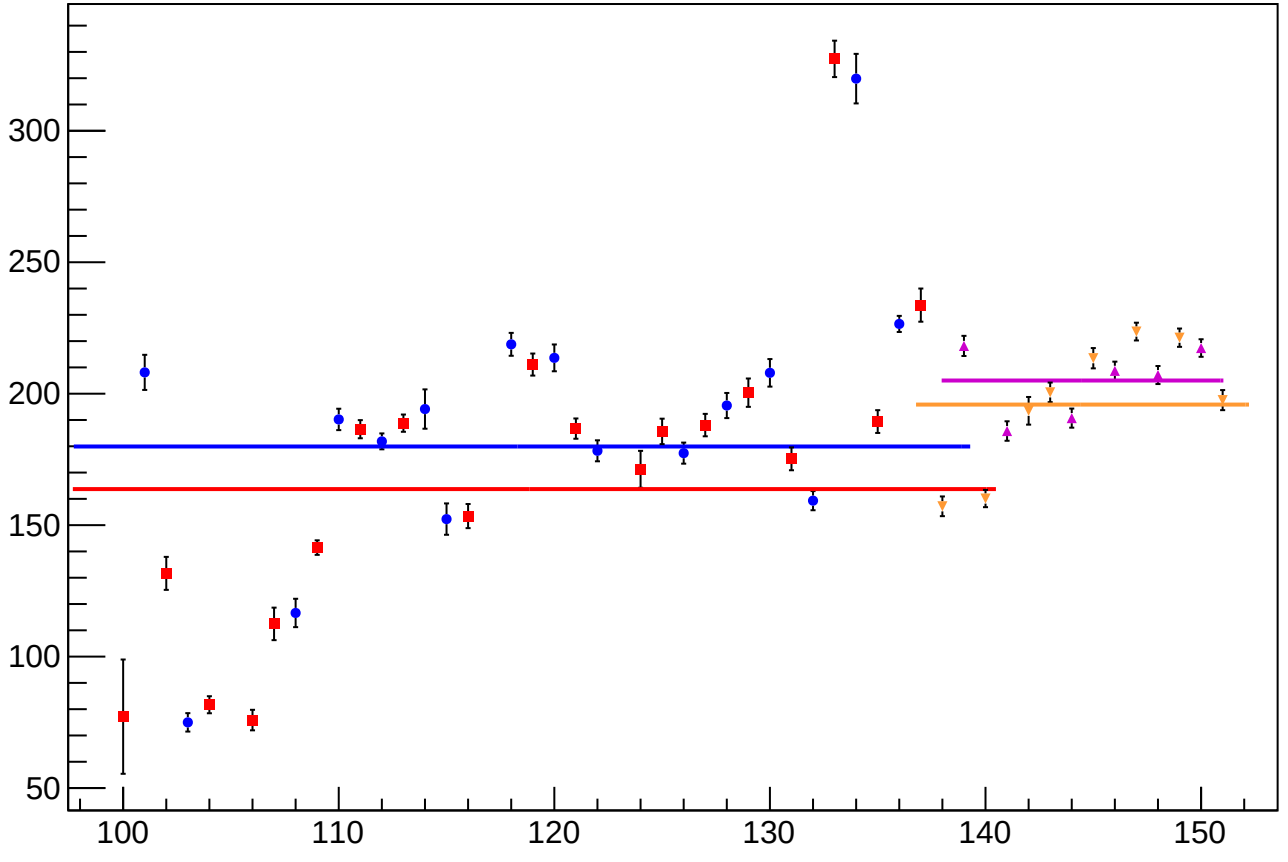
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -149.406+/-0.063 χ^2/NDF:156143.3/21

Out: -140.642+/-0.058 χ^2/NDF:396261.1/26

All: -144.685+/-0.043 χ^2/NDF: 562874.6/48

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 195.861+/-1.315 χ^2/NDF:369.1/7

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 205.015+/-1.453 χ^2/NDF:69.4/5

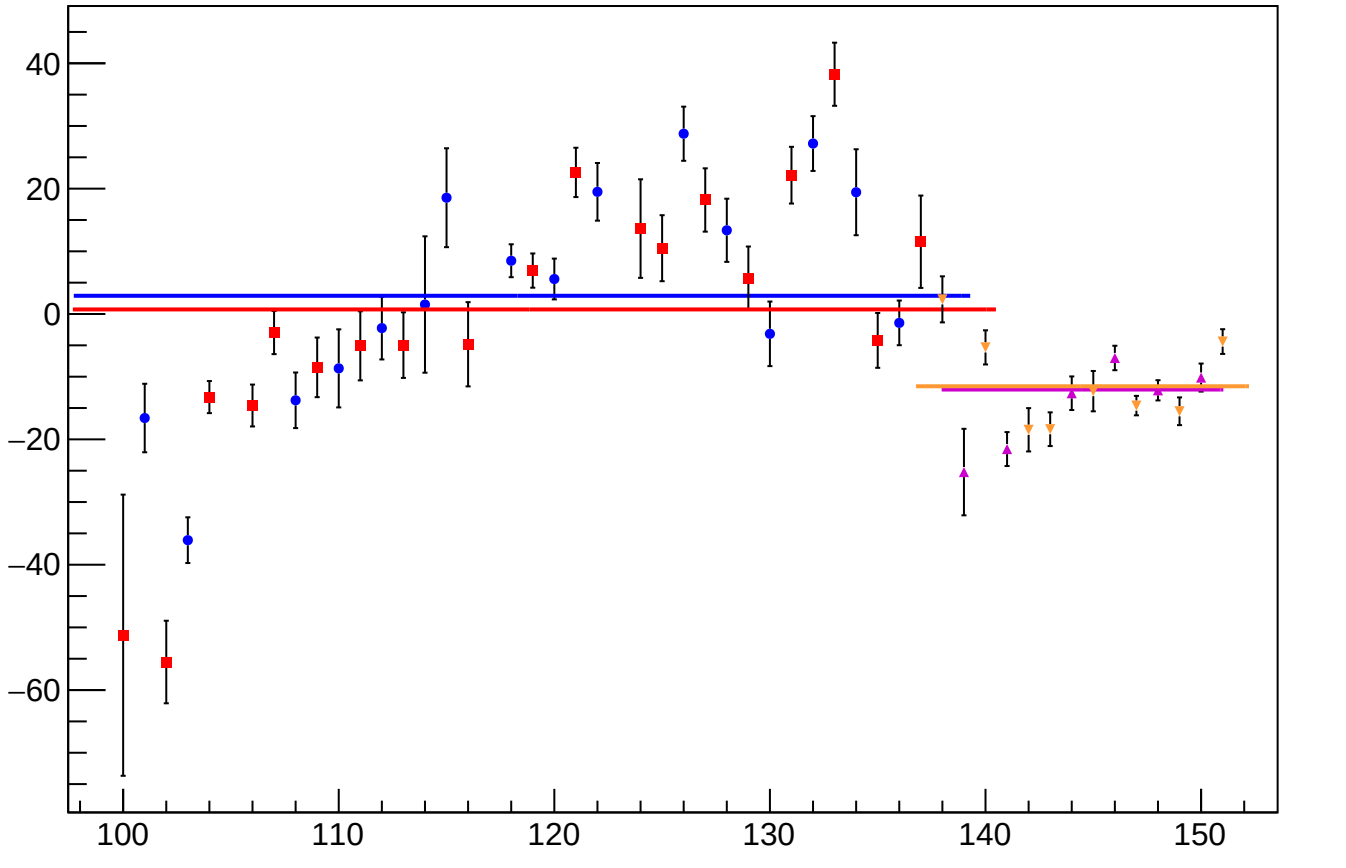
Left: 199.982+/-0.975 χ^2/NDF: 460.3/13

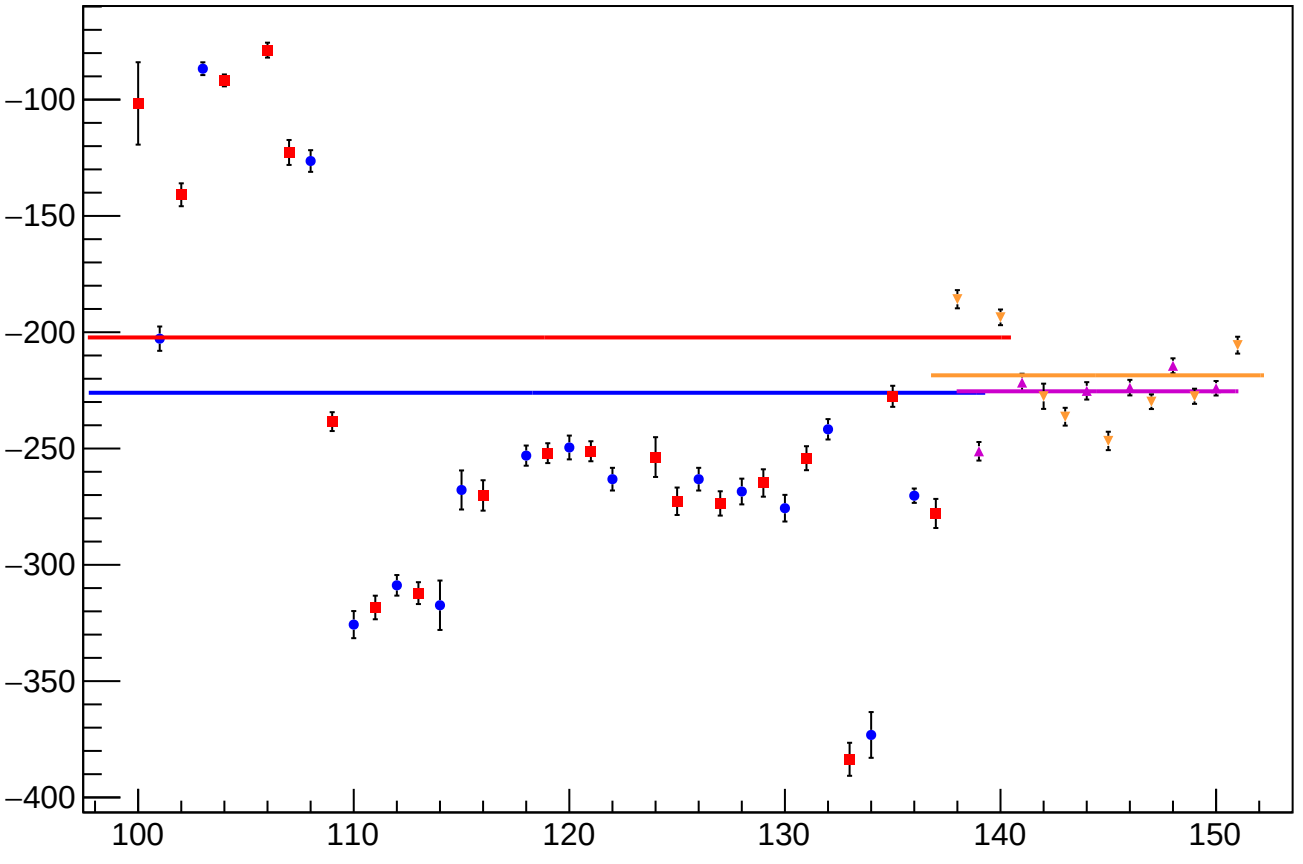
Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 188.937+/-0.871 χ^2/NDF:1993.1/21

Out: 175.505+/-0.796 χ^2/NDF:3164.2/26

All: 181.619+/-0.588 χ^2/NDF: 5286.8/48


reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: 2.907+/-1.105 χ²/NDF: 247.5/15
Left Out: -11.531+/-0.844 χ²/NDF:50.3/7
Right Out: 0.729+/-1.012 χ²/NDF: 273.6/18
Left In: -12.050+/-0.935 χ²/NDF:23.4/5
Left: -11.764+/-0.627 χ²/NDF: 73.8/13
Right: 1.723+/-0.746 χ²/NDF: 523.2/34
In: -5.804+/-0.714 χ²/NDF:377.7/21
Out: -6.502+/-0.648 χ²/NDF:410.4/26
All: -6.187+/-0.480 χ²/NDF: 788.6/48



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.524+/-1.301 χ^2/NDF:233.3/7

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -225.399+/-1.424 χ^2/NDF:54.8/5

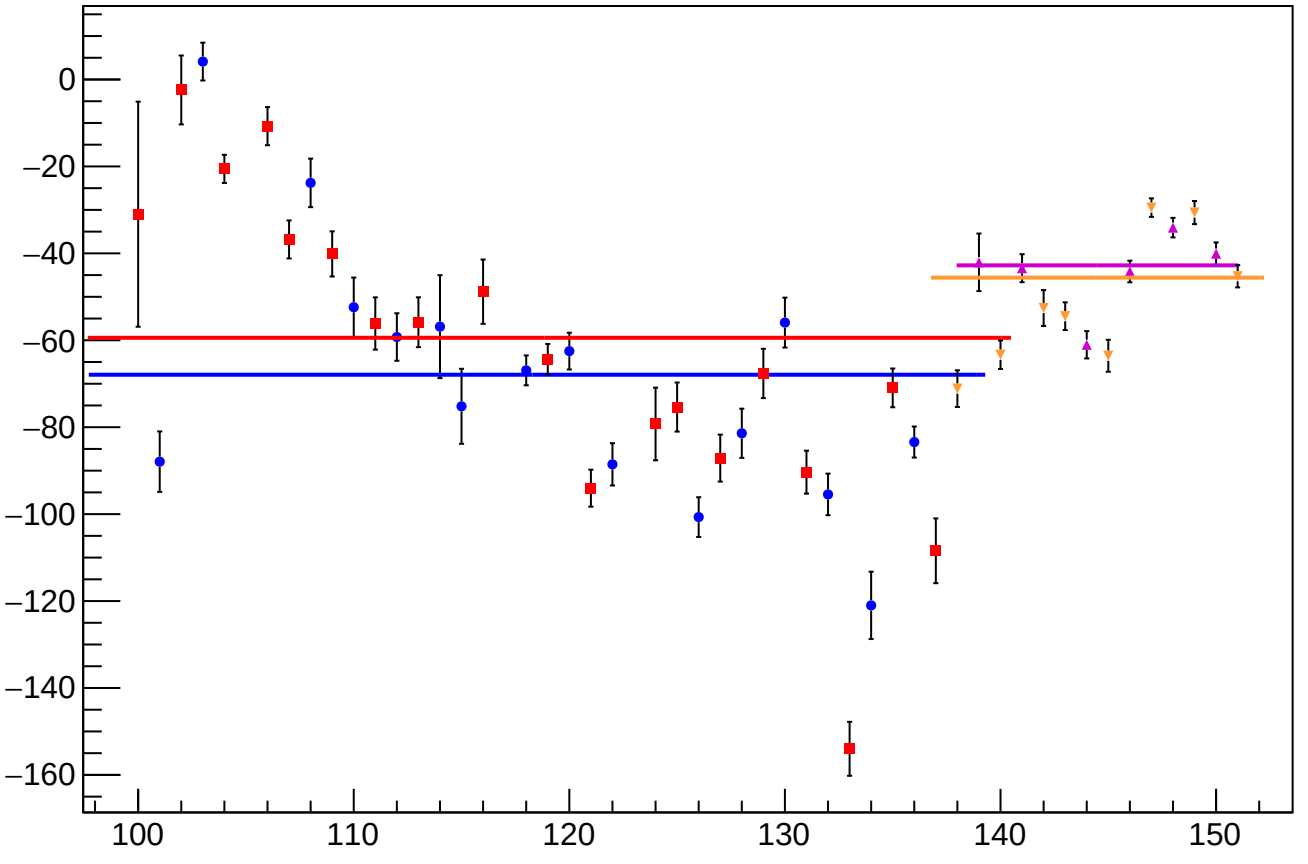
Left: -221.651+/-0.961 χ^2/NDF: 300.8/13

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -225.773+/-0.906 χ^2/NDF:4593.9/21

Out: -208.938+/-0.834 χ^2/NDF:7016.2/26

All: -216.658+/-0.614 χ^2/NDF: 11796.9/48



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -45.584+/-1.057 χ^2/NDF:189.3/7

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -42.764+/-1.171 χ^2/NDF:50.2/5

Left: -44.317+/-0.785 χ^2/NDF: 242.7/13

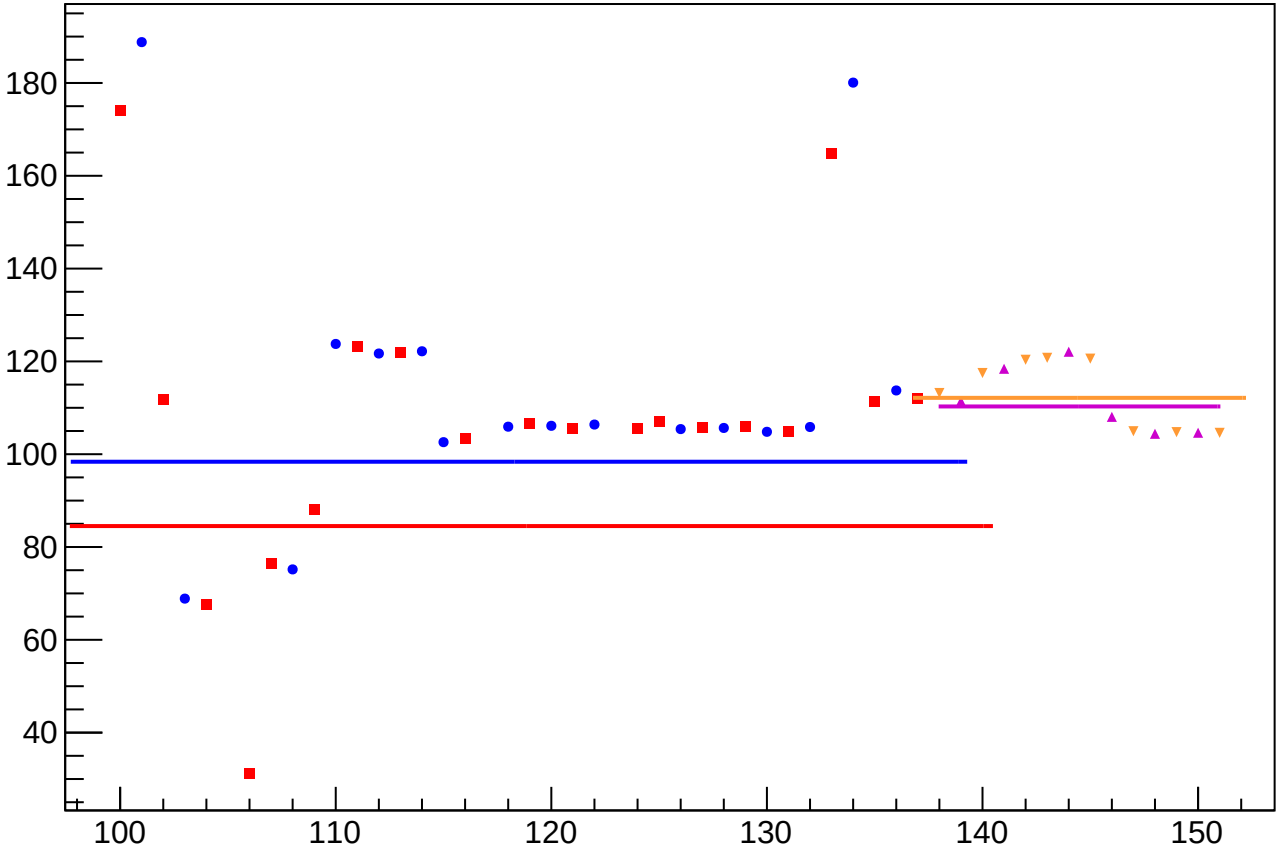
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -54.245+/-0.863 χ^2/NDF:795.0/21

Out: -51.726+/-0.789 χ^2/NDF:1060.2/26

All: -52.872+/-0.582 χ^2/NDF: 1859.8/48

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: 112.146+/-0.054 χ^2/NDF:16792.7/7

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 110.290+/-0.058 χ^2/NDF:12043.2/5

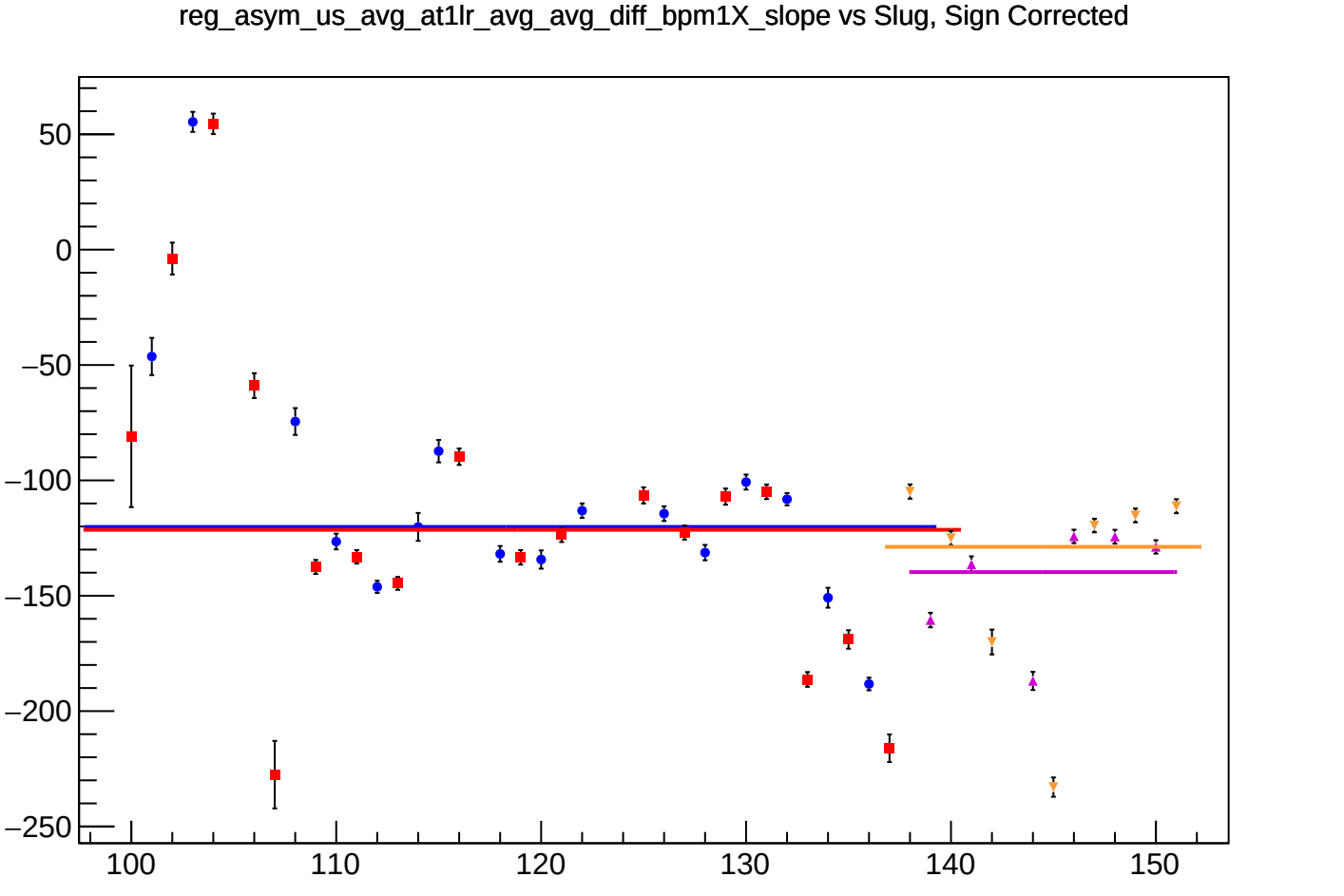
Left: 111.278+/-0.040 χ^2/NDF: 29378.9/13

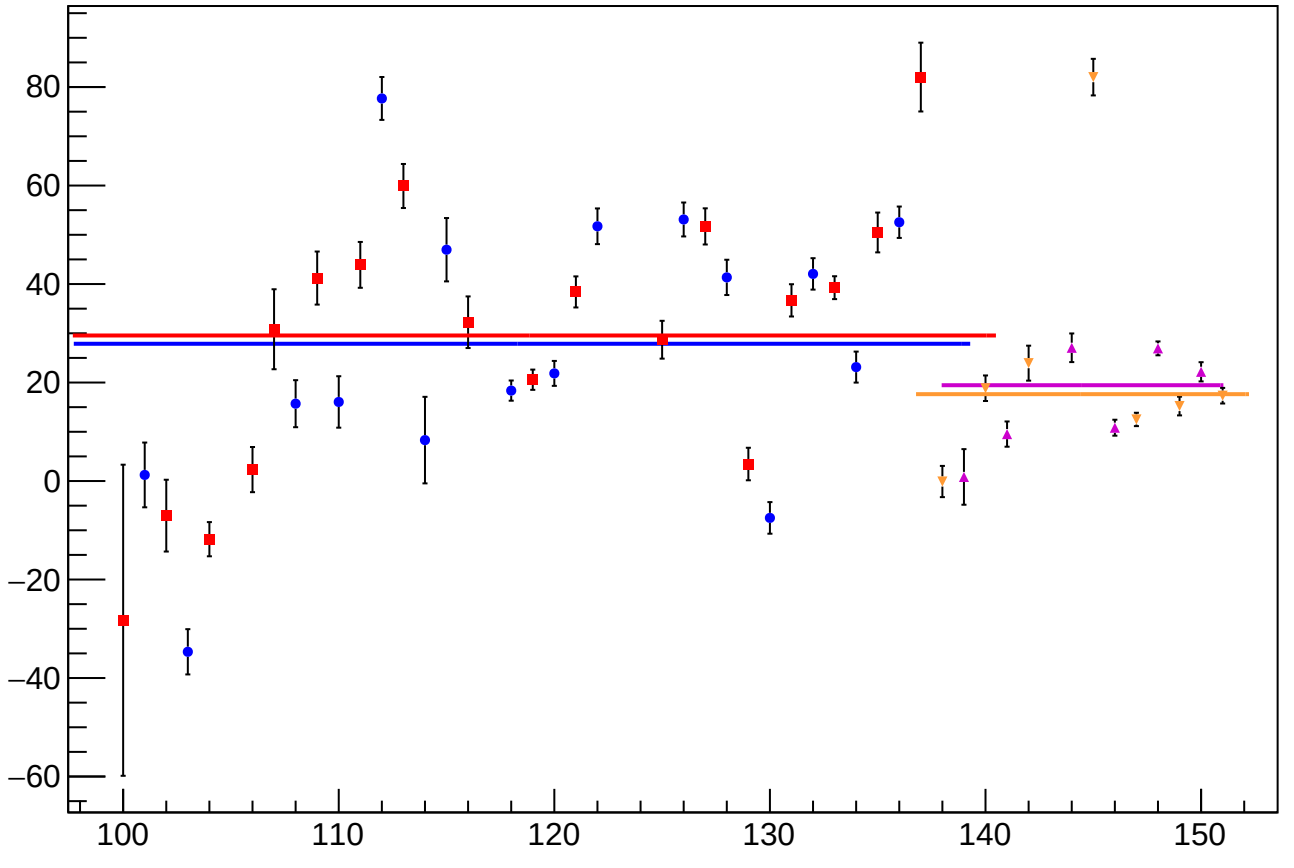
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.091+/-0.044 χ^2/NDF:258802.3/21

Out: 99.808+/-0.041 χ^2/NDF:400692.5/26

All: 102.254+/-0.030 χ^2/NDF: 667367.8/48


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -120.177+/-0.891 χ²/NDF: 2691.2/15
Left Out: -128.809+/-1.257 χ²/NDF:802.2/6
Right Out: -121.418+/-0.875 χ²/NDF: 3126.3/17
Left In: -139.747+/-1.296 χ²/NDF:255.8/5
Left: -134.111+/-0.902 χ²/NDF: 1094.7/12
Right: -120.808+/-0.624 χ²/NDF: 5818.5/33
In: -126.454+/-0.734 χ²/NDF:3101.9/21
Out: -123.832+/-0.718 χ²/NDF:3951.8/24
All: -125.115+/-0.513 χ²/NDF: 7060.3/46



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 17.639+/-0.786 χ^2/NDF:351.0/6

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 19.456+/-0.831 χ^2/NDF:91.2/5

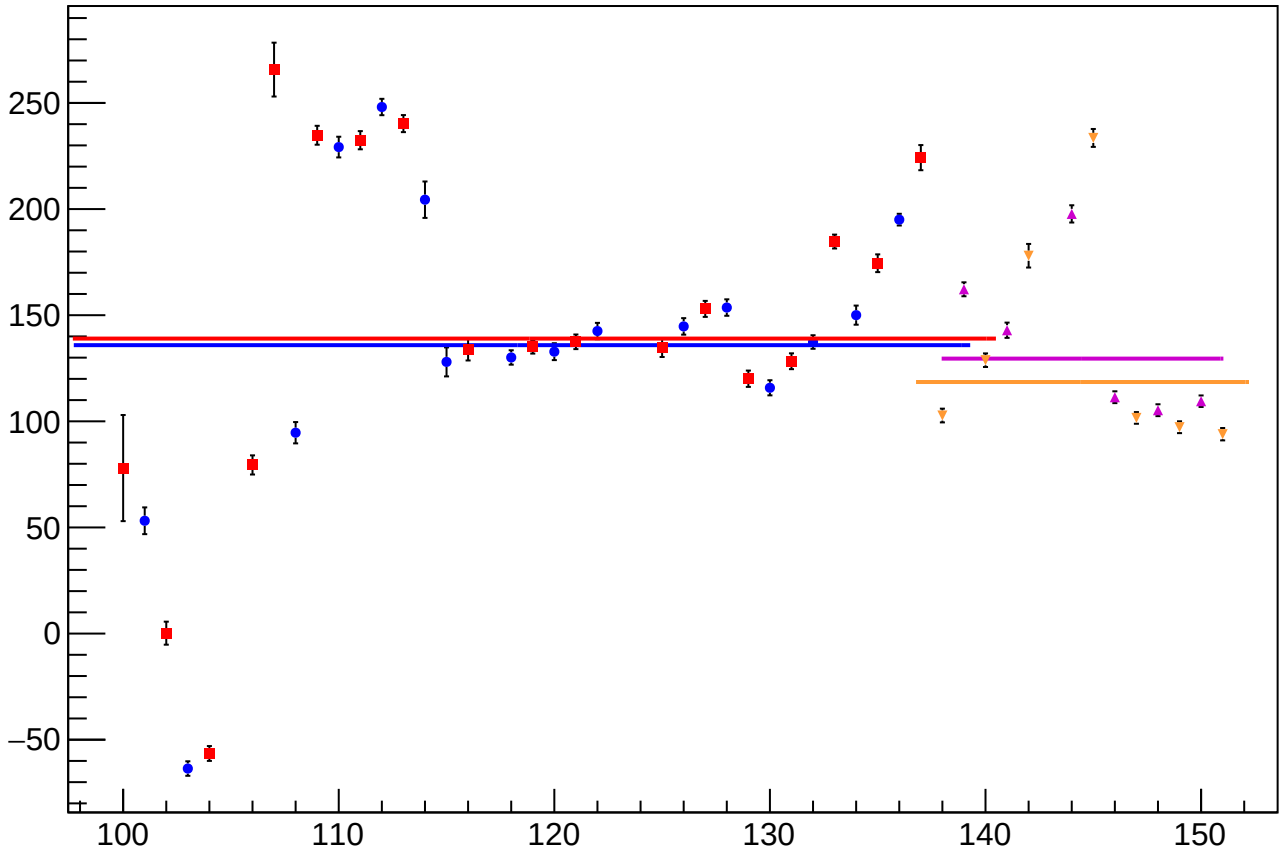
Left: 18.498+/-0.571 χ^2/NDF: 444.8/12

Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 23.382+/-0.607 χ^2/NDF:838.7/21

Out: 22.862+/-0.589 χ^2/NDF:949.2/24

All: 23.115+/-0.423 χ^2/NDF: 1788.3/46



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 118.523+/-1.231 χ^2/NDF:1058.4/6

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 129.545+/-1.266 χ^2/NDF:567.1/5

Left: 123.877+/-0.883 χ^2/NDF: 1664.5/12

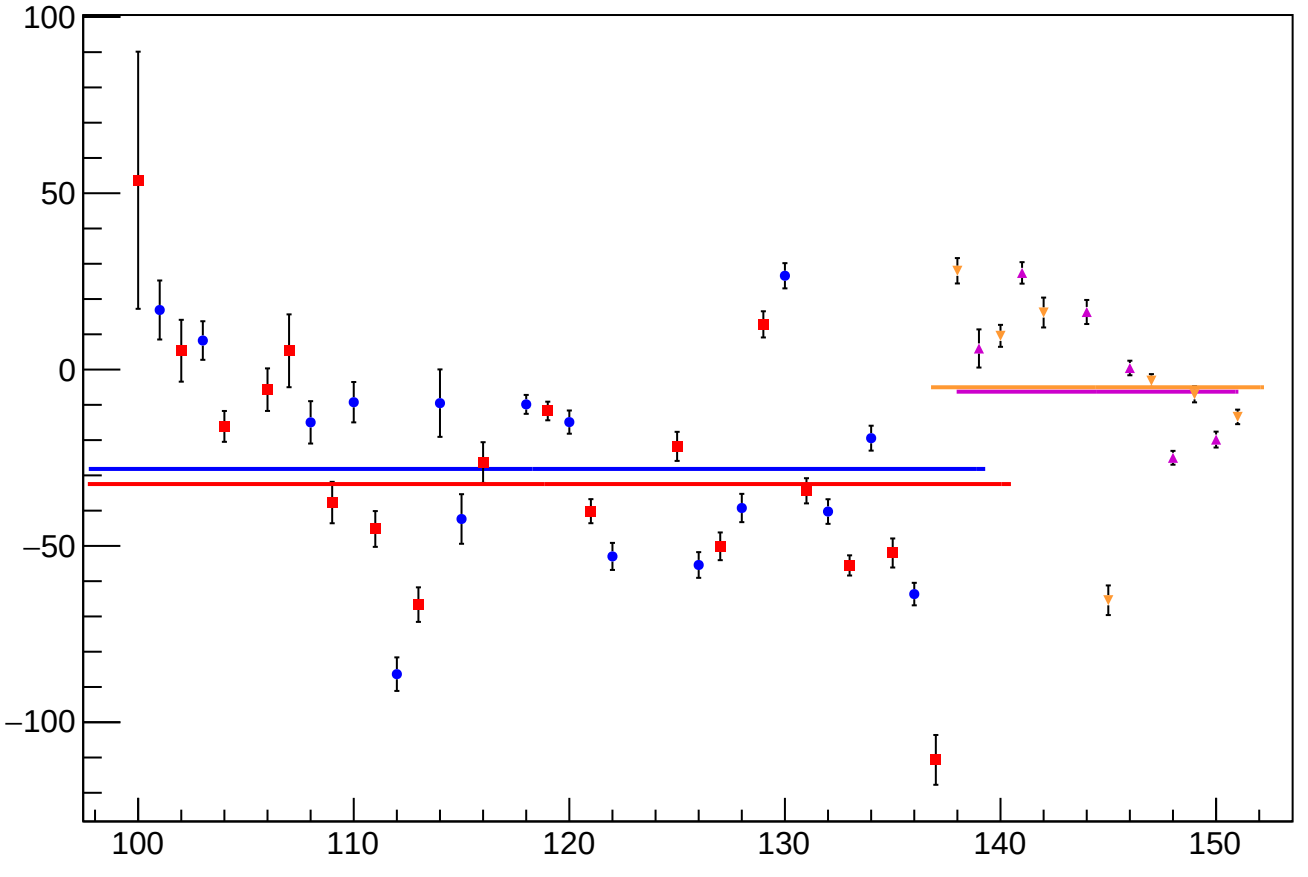
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 133.453+/-0.784 χ^2/NDF:6046.2/21

Out: 130.865+/-0.775 χ^2/NDF:7381.6/24

All: 132.144+/-0.551 χ^2/NDF: 13433.3/46

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: -5.017+/-0.996 χ^2/NDF:356.1/6

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -6.268+/-1.043 χ^2/NDF:309.5/5

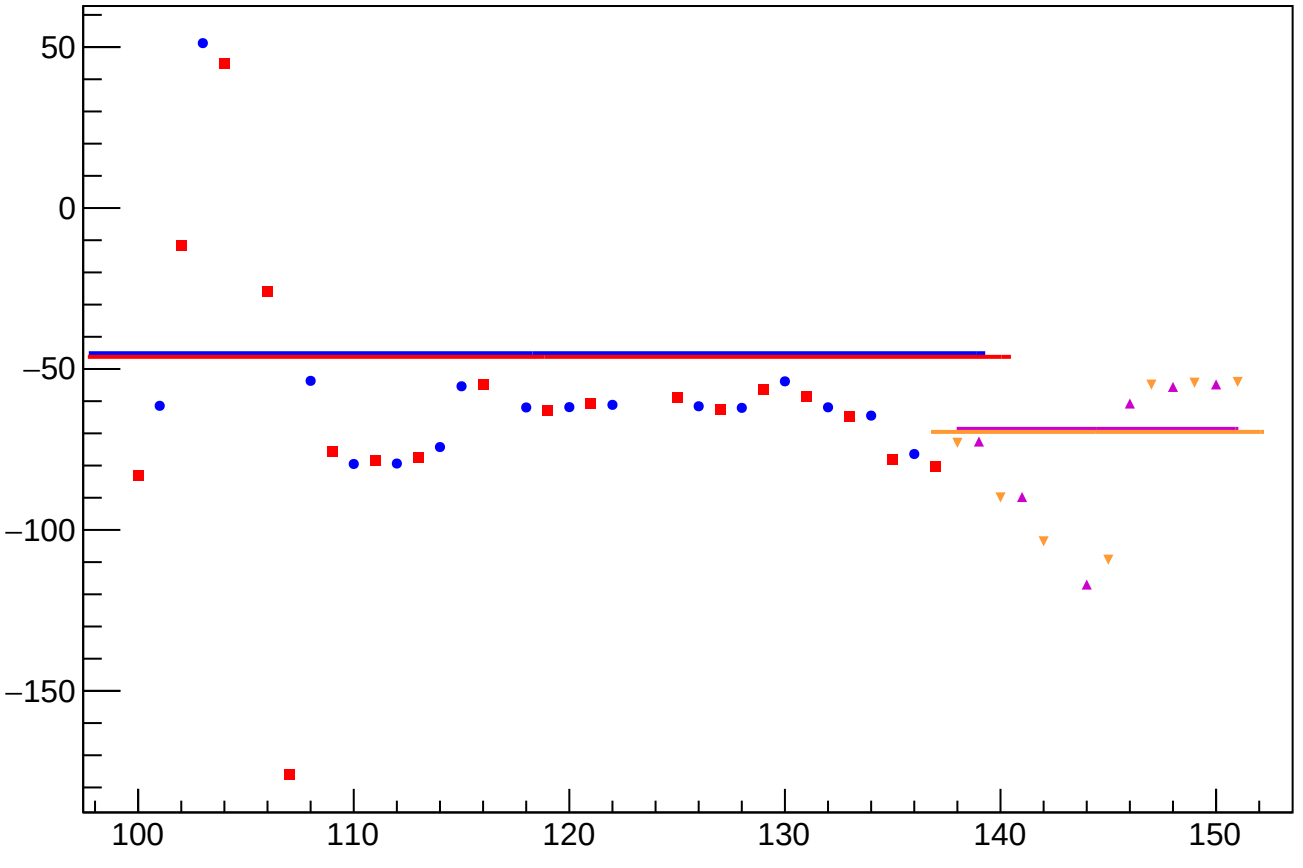
Left: -5.613+/-0.720 χ^2/NDF: 666.3/12

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -17.443+/-0.730 χ^2/NDF:1325.6/21

Out: -18.307+/-0.715 χ^2/NDF:1304.9/24

All: -17.884+/-0.511 χ^2/NDF: 2631.2/46



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -69.541+/-0.051 χ^2/NDF:150231.1/6

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -68.608+/-0.051 χ^2/NDF:125404.6/5

Left: -69.075+/-0.036 χ^2/NDF: 275801.7/12

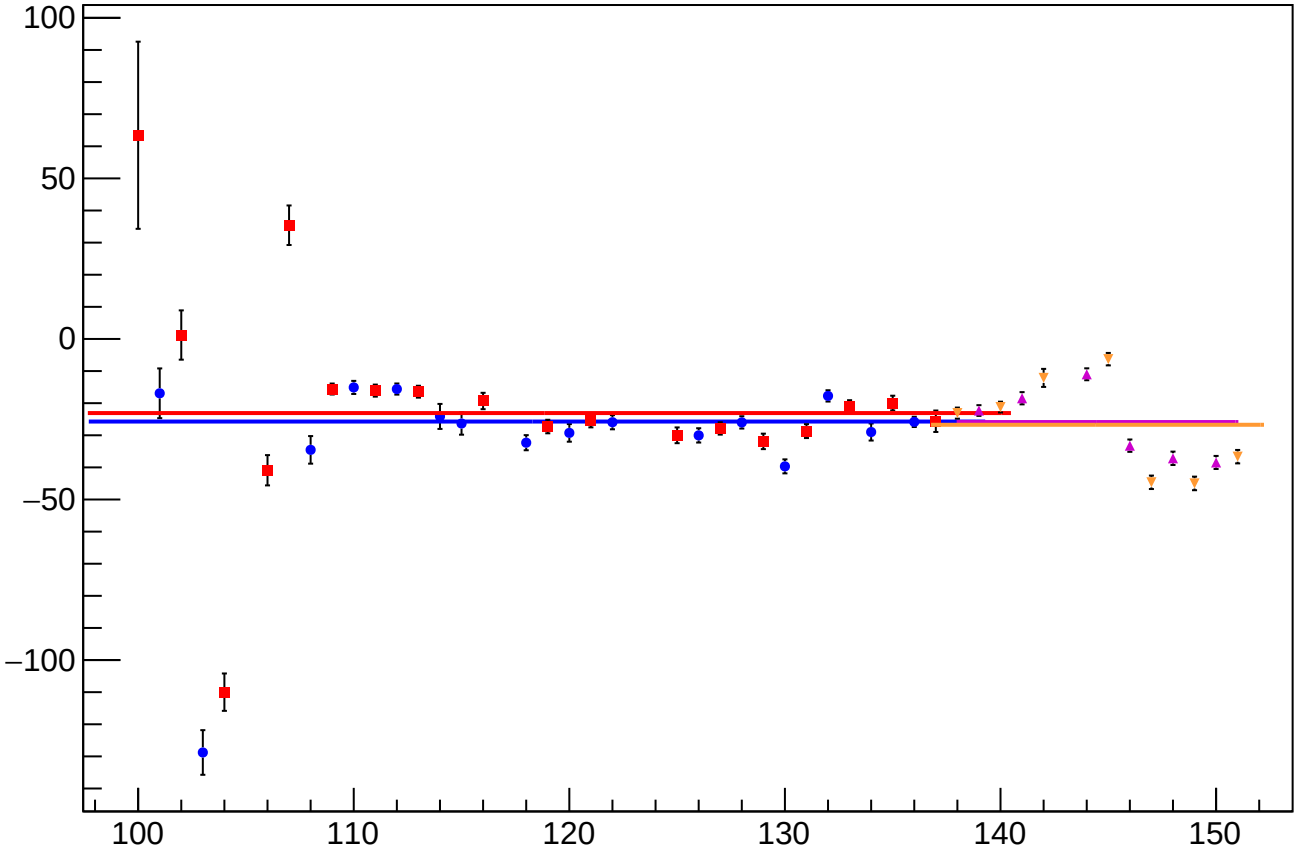
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.723+/-0.039 χ^2/NDF:789089.6/21

Out: -60.203+/-0.040 χ^2/NDF:727010.7/24

All: -59.451+/-0.028 χ^2/NDF: 1516809.2/46

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: -26.728+/-0.754 χ^2/NDF:323.2/6

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -25.877+/-0.775 χ^2/NDF:166.0/5

Left: -26.314+/-0.540 χ^2/NDF: 489.8/12

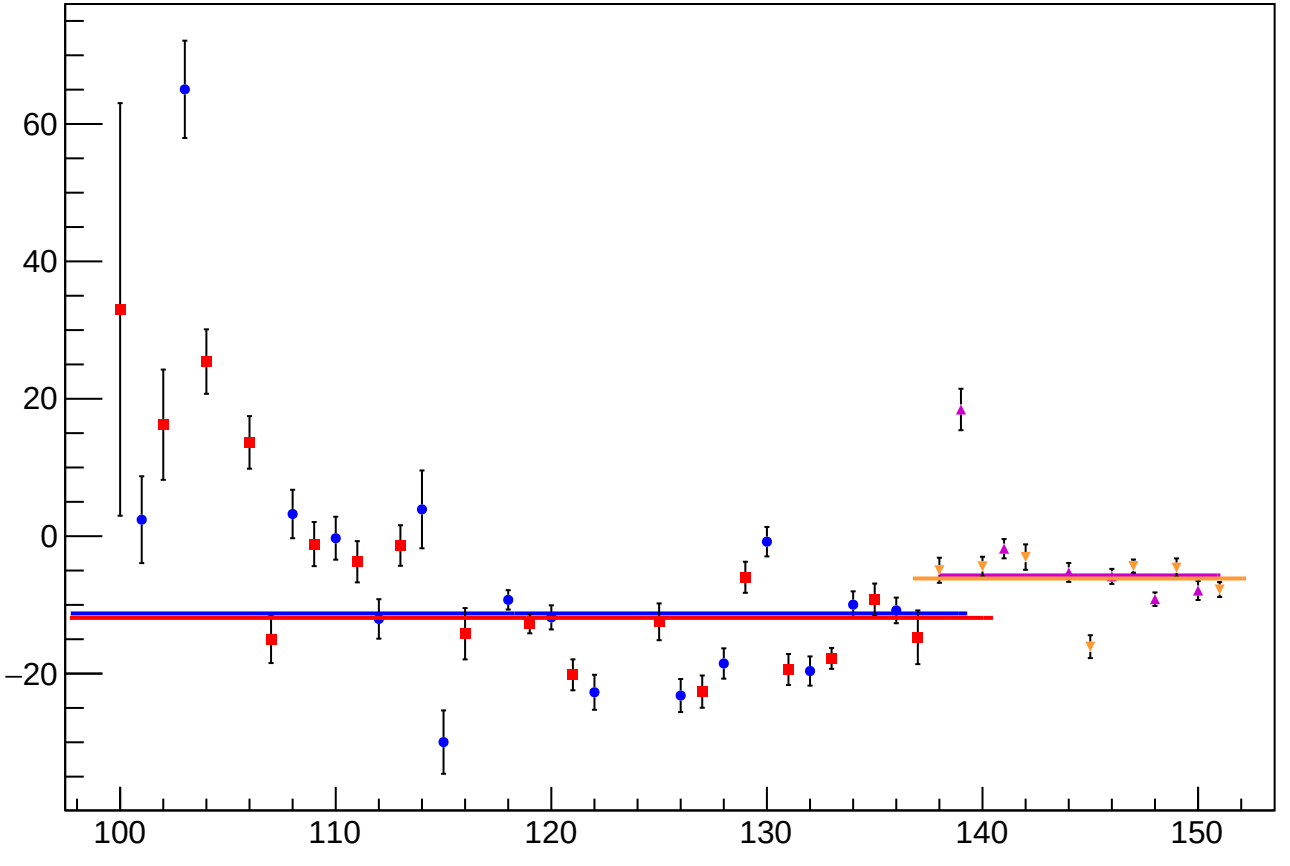
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -25.779+/-0.470 χ^2/NDF:529.1/21

Out: -24.441+/-0.461 χ^2/NDF:775.0/24

All: -25.097+/-0.329 χ^2/NDF: 1308.2/46

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.157+/-0.505 χ^2/NDF:47.4/6

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.714+/-0.531 χ^2/NDF:86.8/5

Left: -5.946+/-0.366 χ^2/NDF: 134.5/12

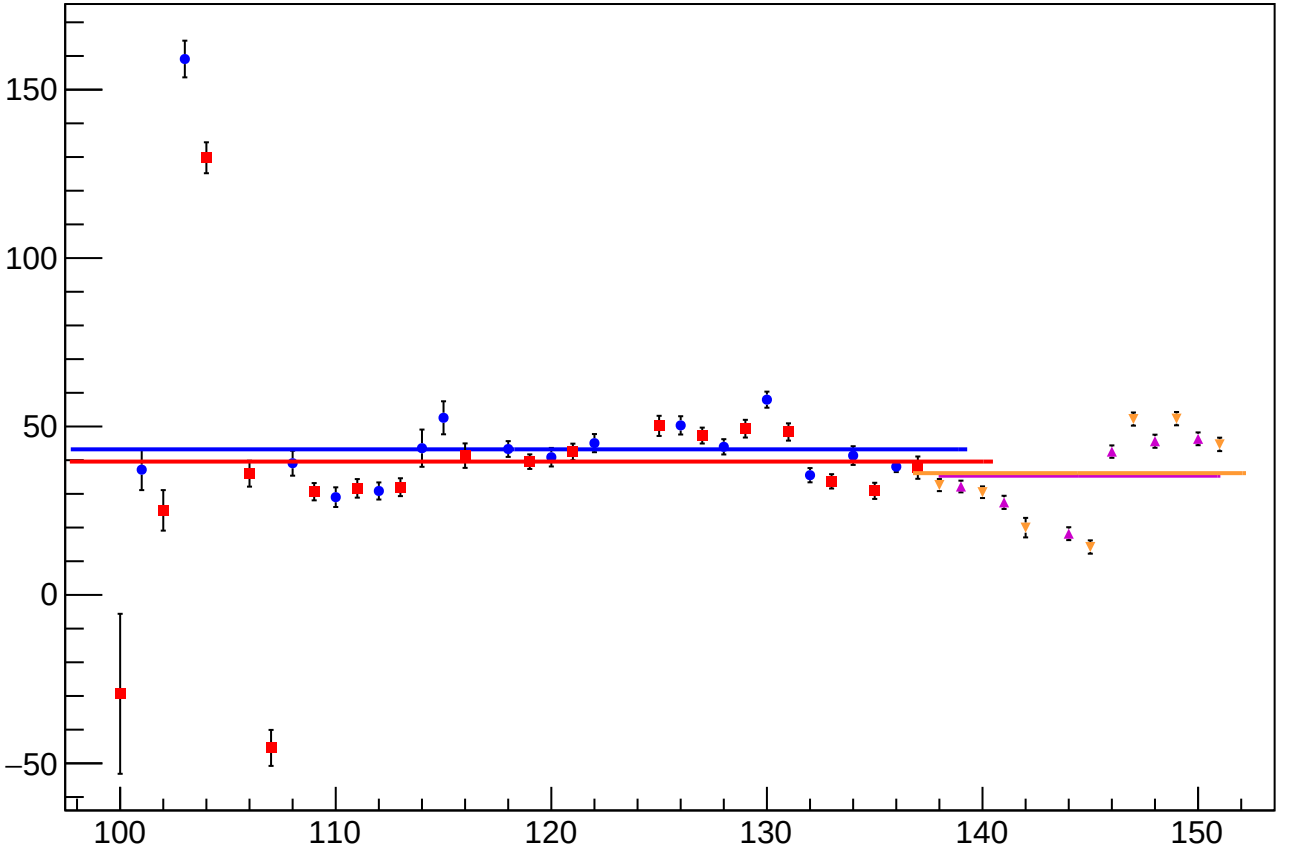
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -8.145+/-0.398 χ^2/NDF:405.5/21

Out: -8.502+/-0.388 χ^2/NDF:324.6/24

All: -8.328+/-0.278 χ^2/NDF: 730.5/46

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 36.151+/-0.749 χ^2/NDF:321.2/6

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 35.394+/-0.767 χ^2/NDF:176.4/5

Left: 35.781+/-0.536 χ^2/NDF: 498.1/12

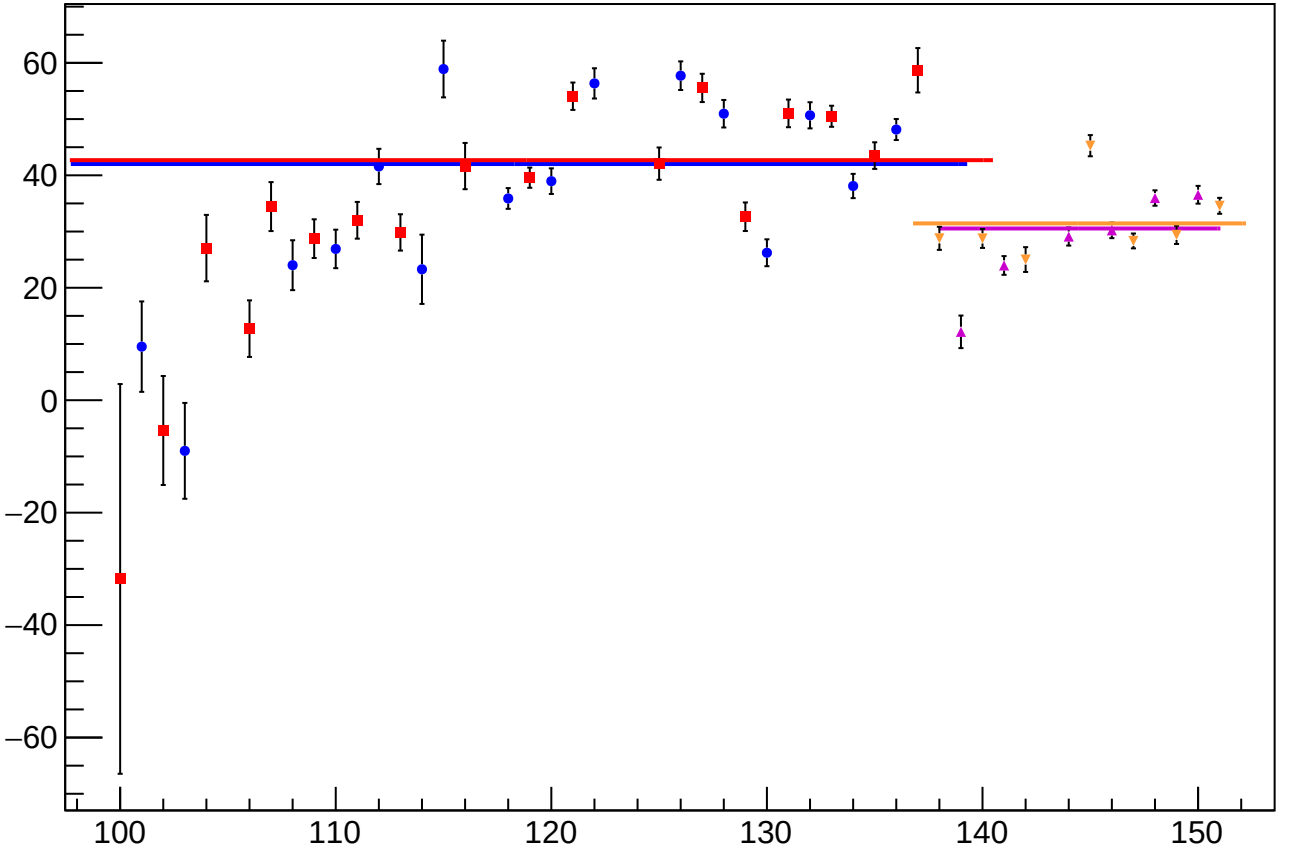
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 39.789+/-0.508 χ^2/NDF:810.9/21

Out: 38.022+/-0.505 χ^2/NDF:1086.7/24

All: 38.901+/-0.358 χ^2/NDF: 1903.6/46

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 31.444+/-0.629 χ^2/NDF:78.5/6

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 30.541+/-0.657 χ^2/NDF:86.8/5

Left: 31.012+/-0.454 χ^2/NDF: 166.3/12

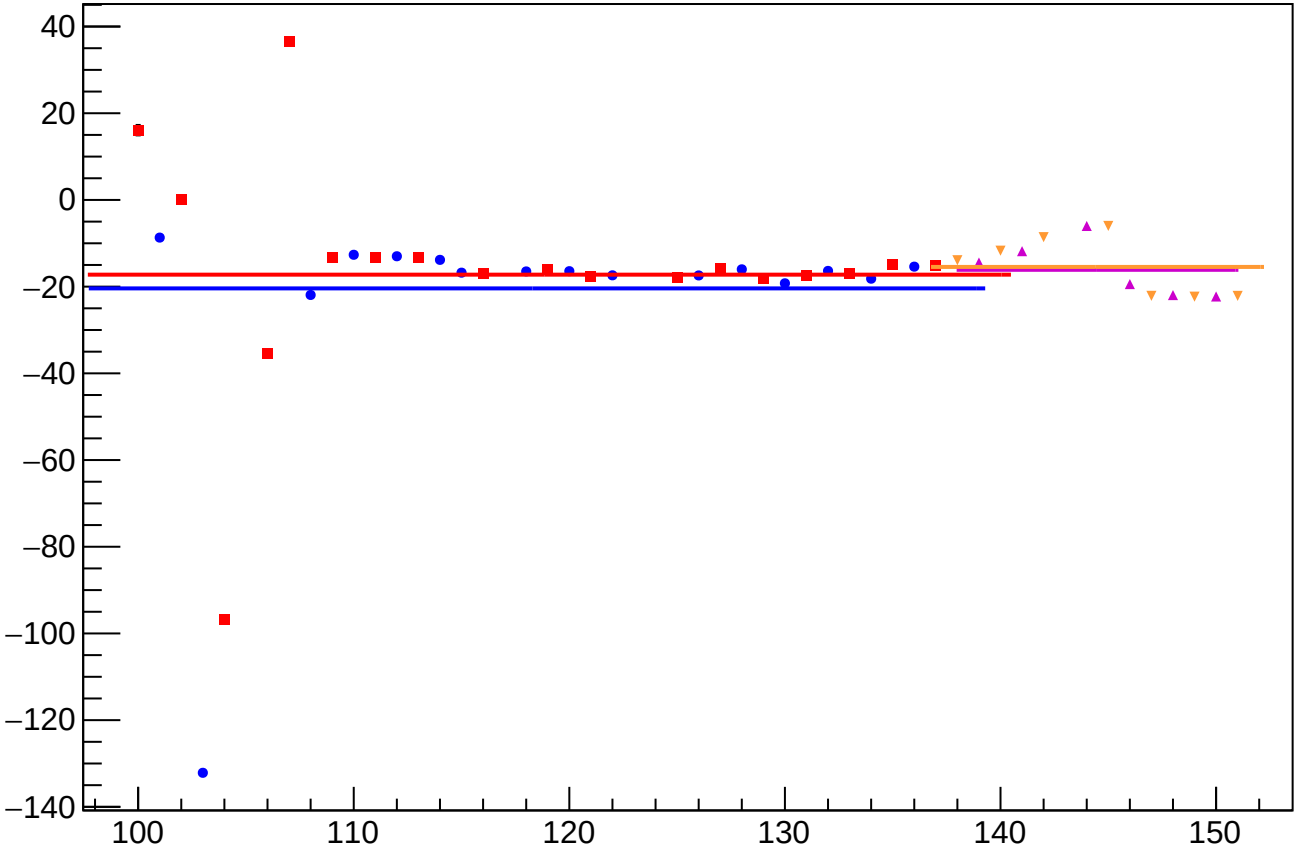
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 36.044+/-0.474 χ^2/NDF:505.7/21

Out: 36.514+/-0.466 χ^2/NDF:452.9/24

All: 36.282+/-0.332 χ^2/NDF: 959.2/46

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -15.452+/-0.031 χ^2/NDF:41024.4/6

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -16.117+/-0.031 χ^2/NDF:31240.0/5

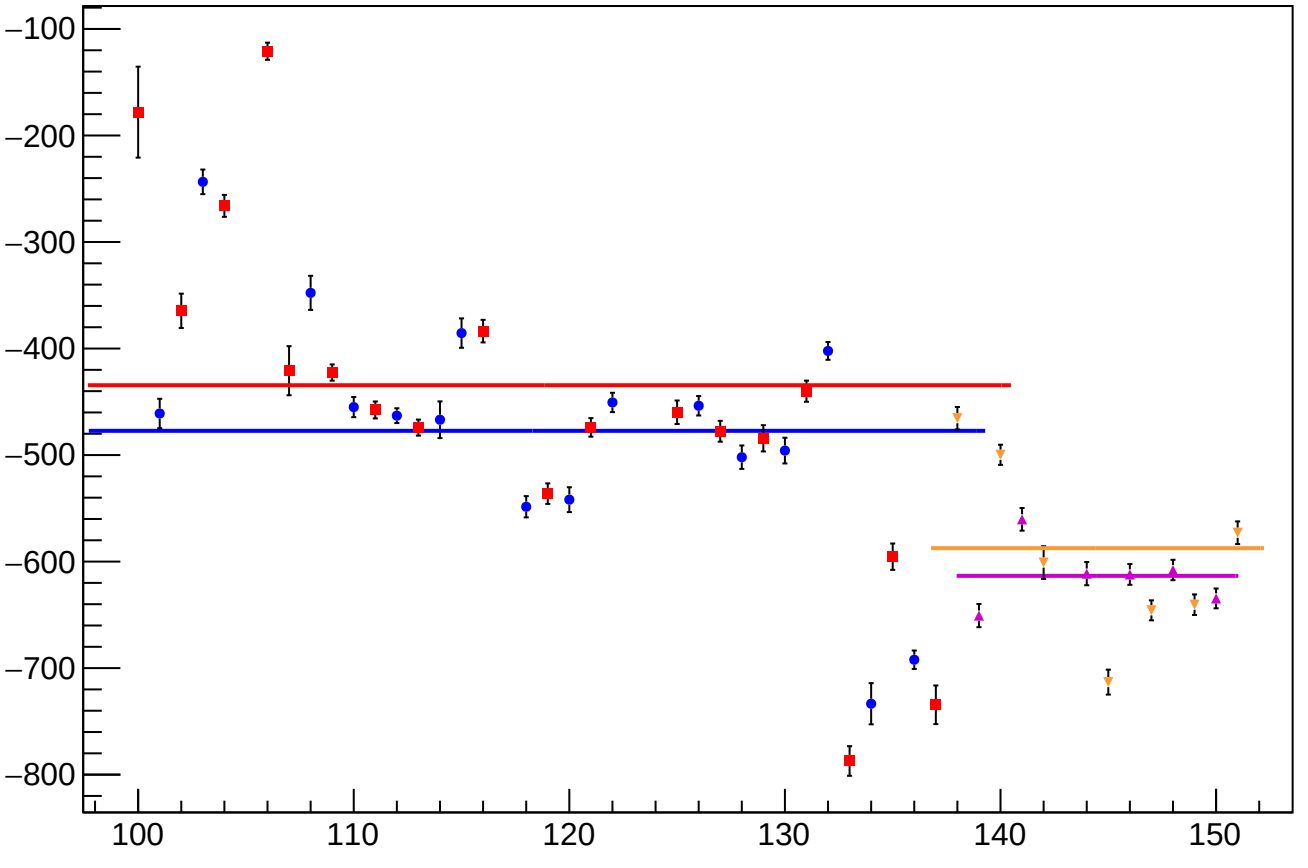
Left: -15.784+/-0.022 χ^2/NDF: 72495.3/12

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -17.634+/-0.025 χ^2/NDF:283618.1/21

Out: -16.040+/-0.025 χ^2/NDF:246779.4/24

All: -16.849+/-0.018 χ^2/NDF: 532411.2/46



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -587.384+/-3.993 χ^2/NDF:407.5/6

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -613.383+/-4.126 χ^2/NDF:42.2/5

Left: -599.959+/-2.869 χ^2/NDF: 470.1/12

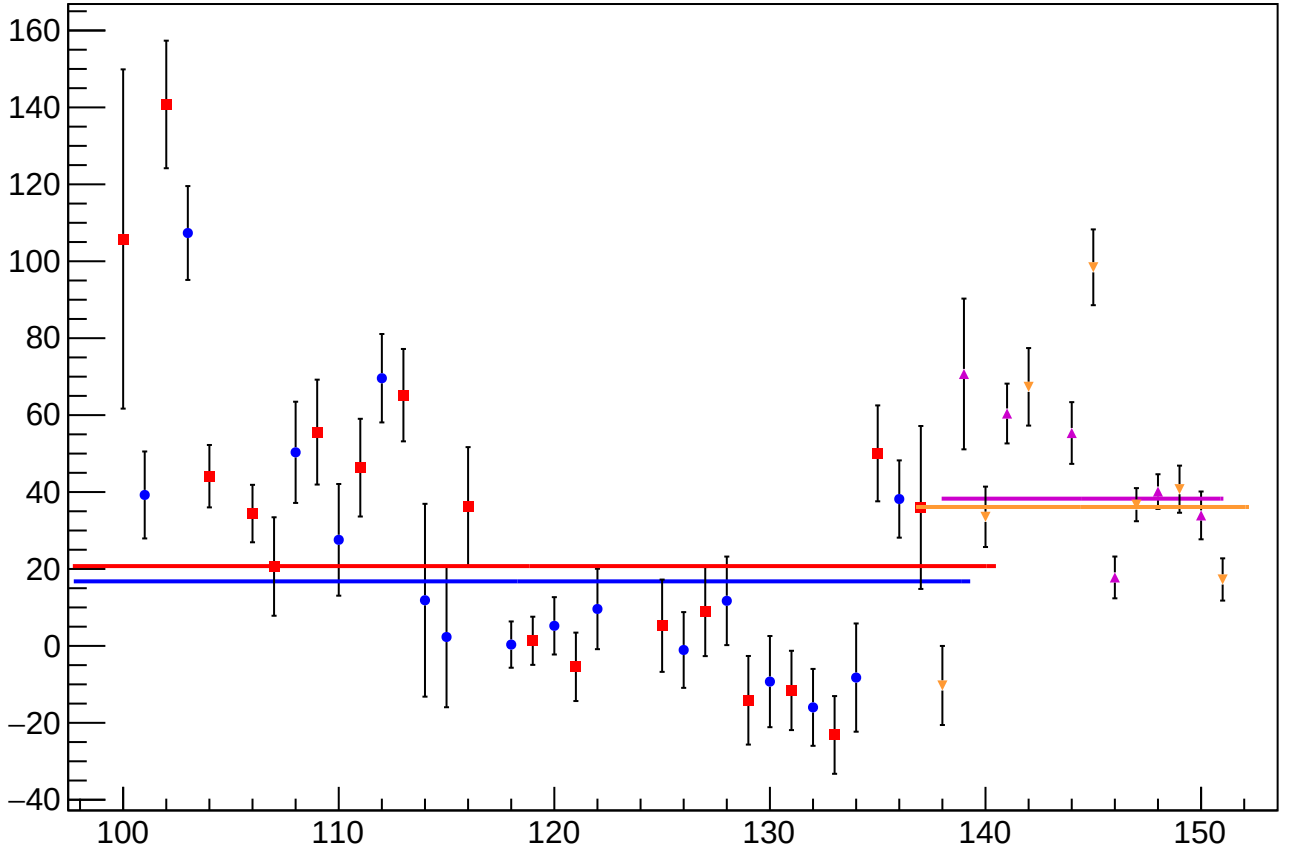
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -516.651+/-2.220 χ^2/NDF:2326.5/21

Out: -476.605+/-2.097 χ^2/NDF:4631.8/24

All: -495.490+/-1.524 χ^2/NDF: 7130.3/46

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: 36.116+/-2.503 χ^2/NDF:82.4/6

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 38.281+/-2.637 χ^2/NDF:30.2/5

Left: 37.142+/-1.816 χ^2/NDF: 113.0/12

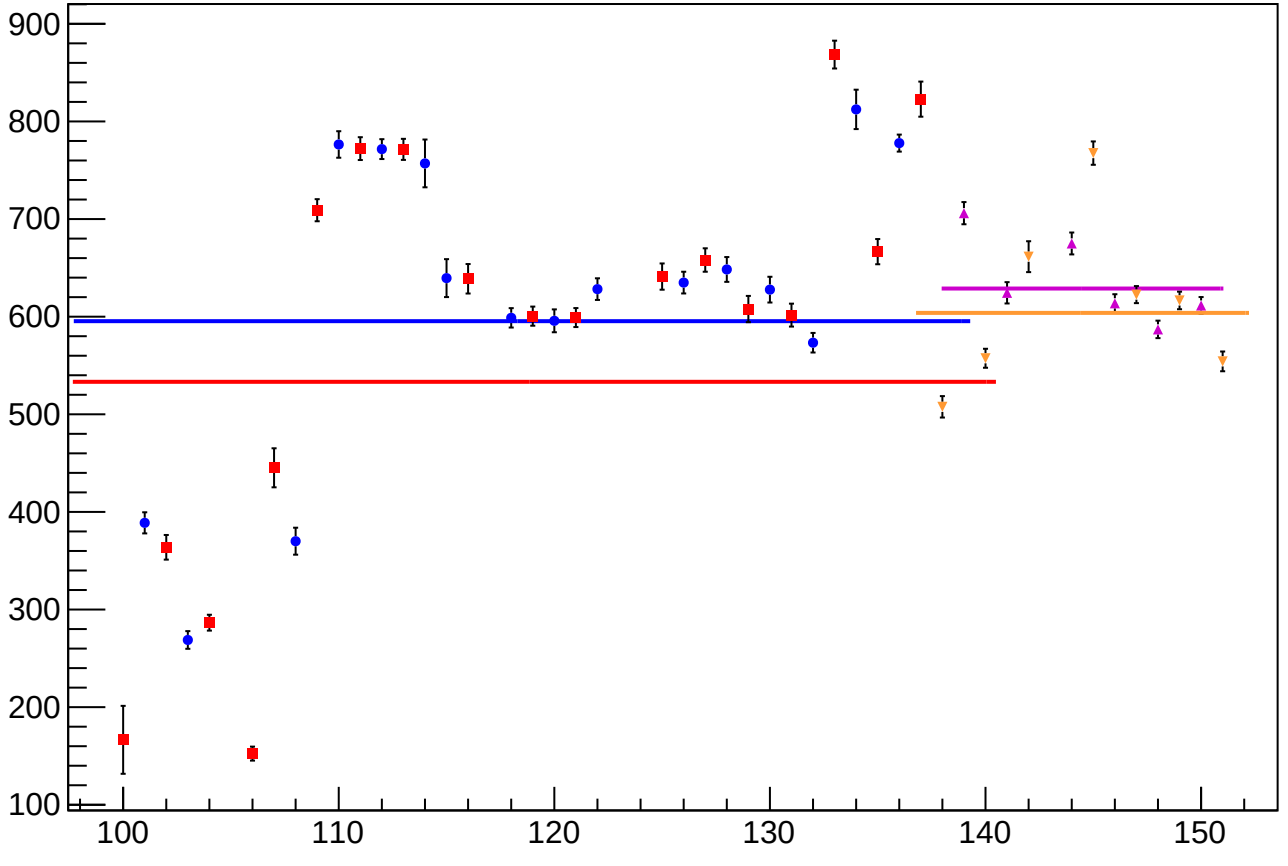
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 27.599+/-1.871 χ^2/NDF:188.2/21

Out: 28.570+/-1.786 χ^2/NDF:258.9/24

All: 28.107+/-1.292 χ^2/NDF: 447.3/46

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: 603.884+/-3.921 χ^2/NDF:330.9/6

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 628.834+/-4.036 χ^2/NDF:91.8/5

Left: 615.998+/-2.813 χ^2/NDF: 442.3/12

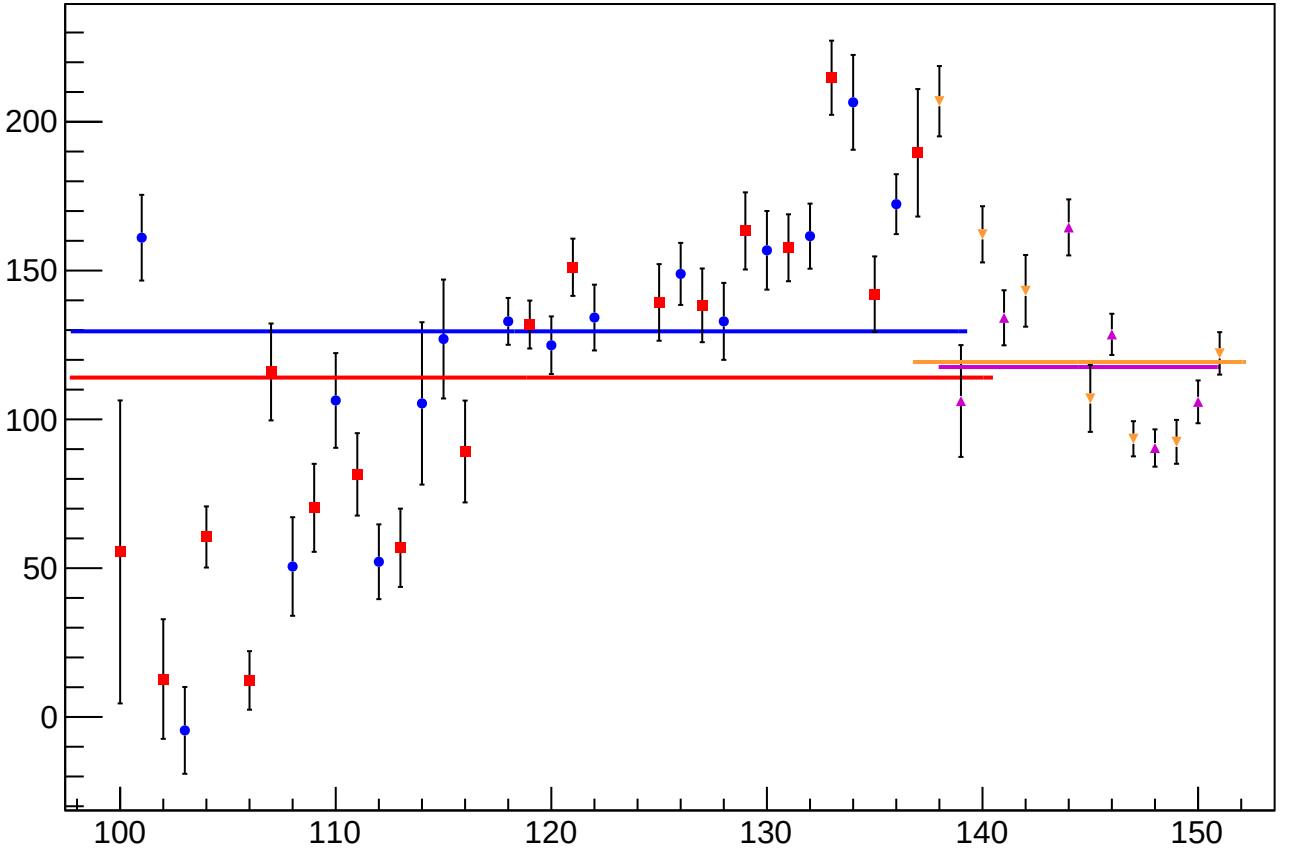
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 606.940+/-2.371 χ^2/NDF:3196.4/21

Out: 556.513+/-2.249 χ^2/NDF:7051.2/24

All: 580.400+/-1.632 χ^2/NDF: 10485.7/46

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 119.289+/-3.164 χ^2/NDF:113.3/6

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 117.589+/-3.307 χ^2/NDF:52.4/5

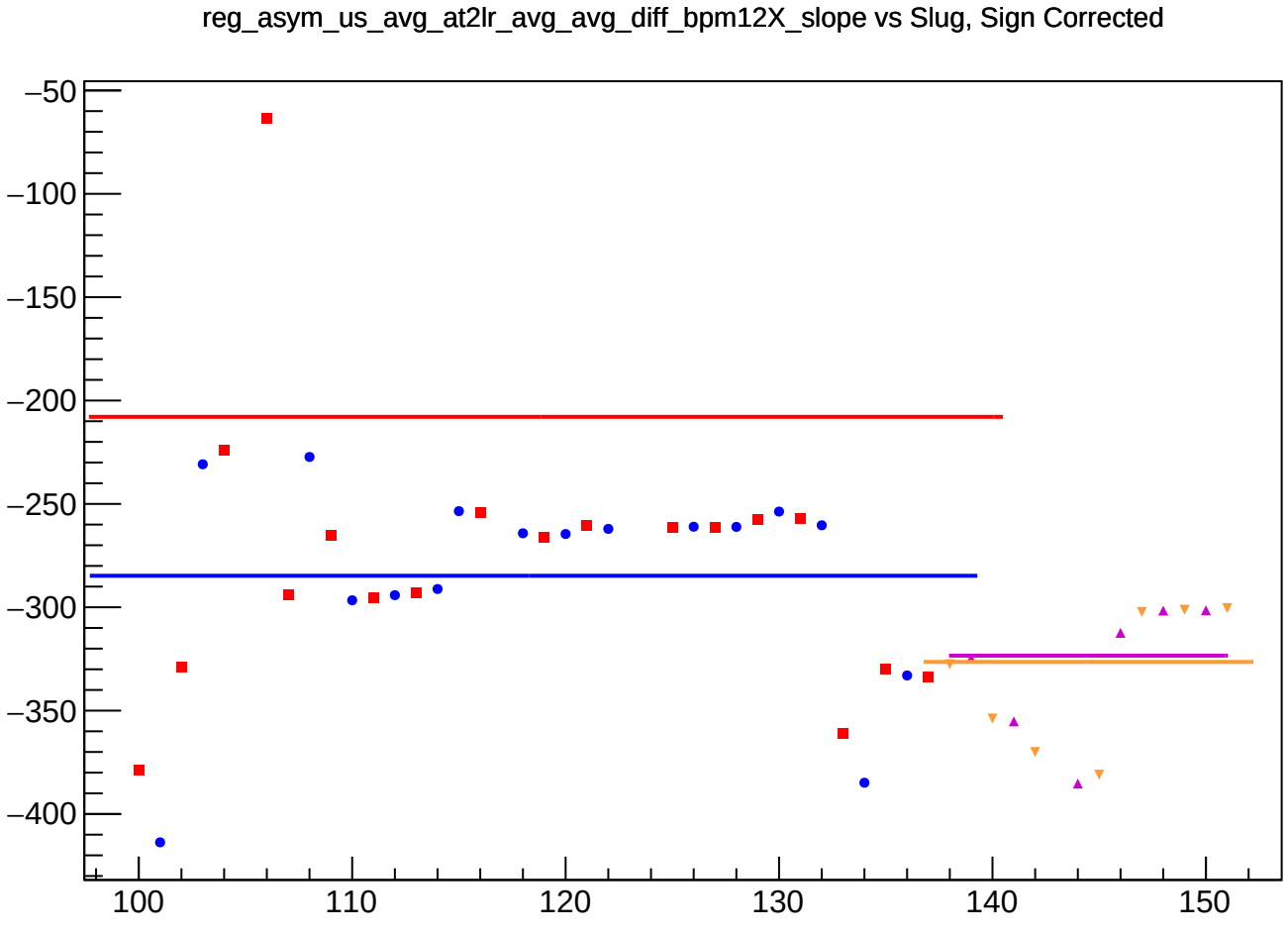
Left: 118.476+/-2.286 χ^2/NDF: 165.8/12

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 124.012+/-2.254 χ^2/NDF:270.7/21

Out: 116.508+/-2.168 χ^2/NDF:450.6/24

All: 120.114+/-1.563 χ^2/NDF: 727.1/46



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -326.441+/-0.164 χ^2/NDF:34212.7/6

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -323.392+/-0.165 χ^2/NDF:28456.1/5

Left: -324.918+/-0.116 χ^2/NDF: 62840.7/12

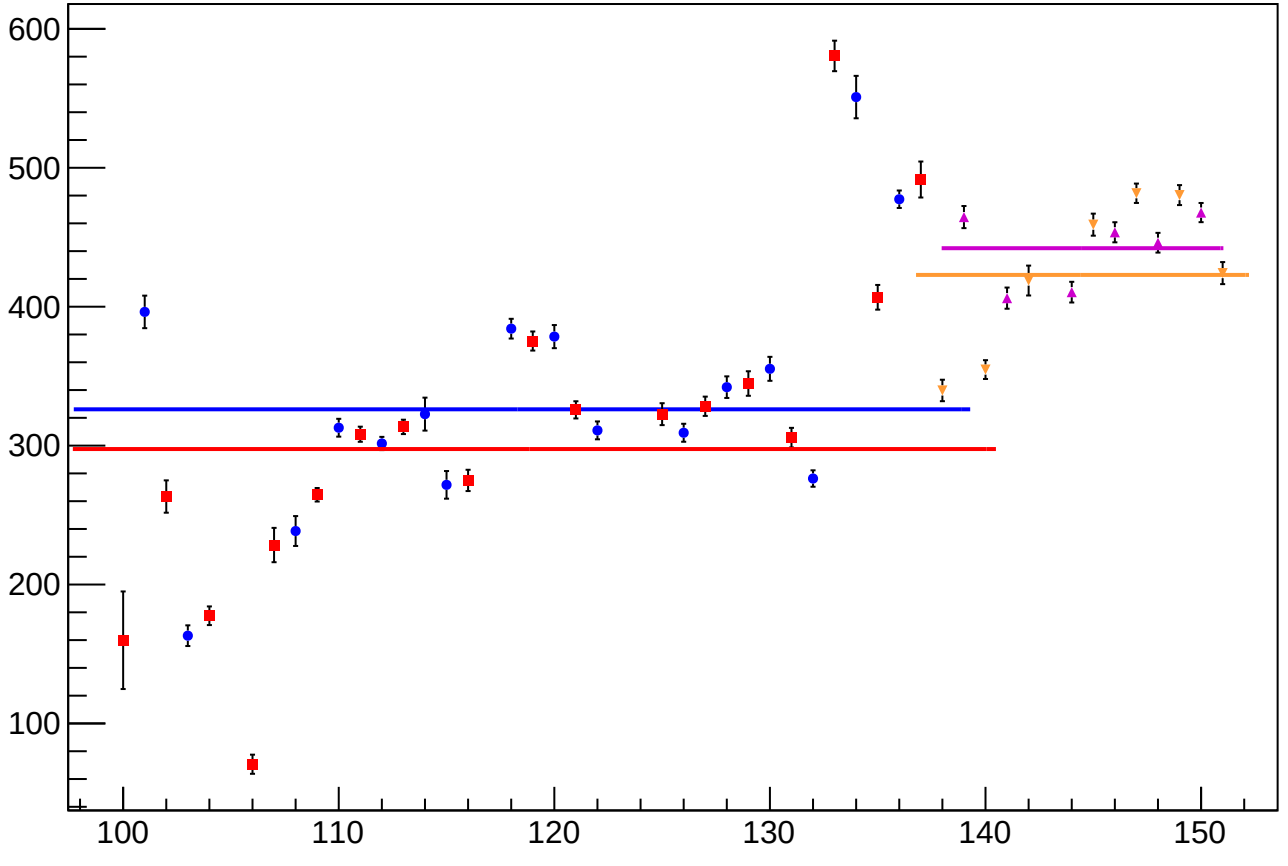
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.548+/-0.121 χ^2/NDF:158291.9/21

Out: -261.302+/-0.110 χ^2/NDF:856862.6/24

All: -281.445+/-0.081 χ^2/NDF: 1088381.9/46

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: 422.880+/-2.900 χ^2/NDF:373.2/6

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 442.111+/-3.001 χ^2/NDF:64.9/5

Left: 432.165+/-2.086 χ^2/NDF: 459.2/12

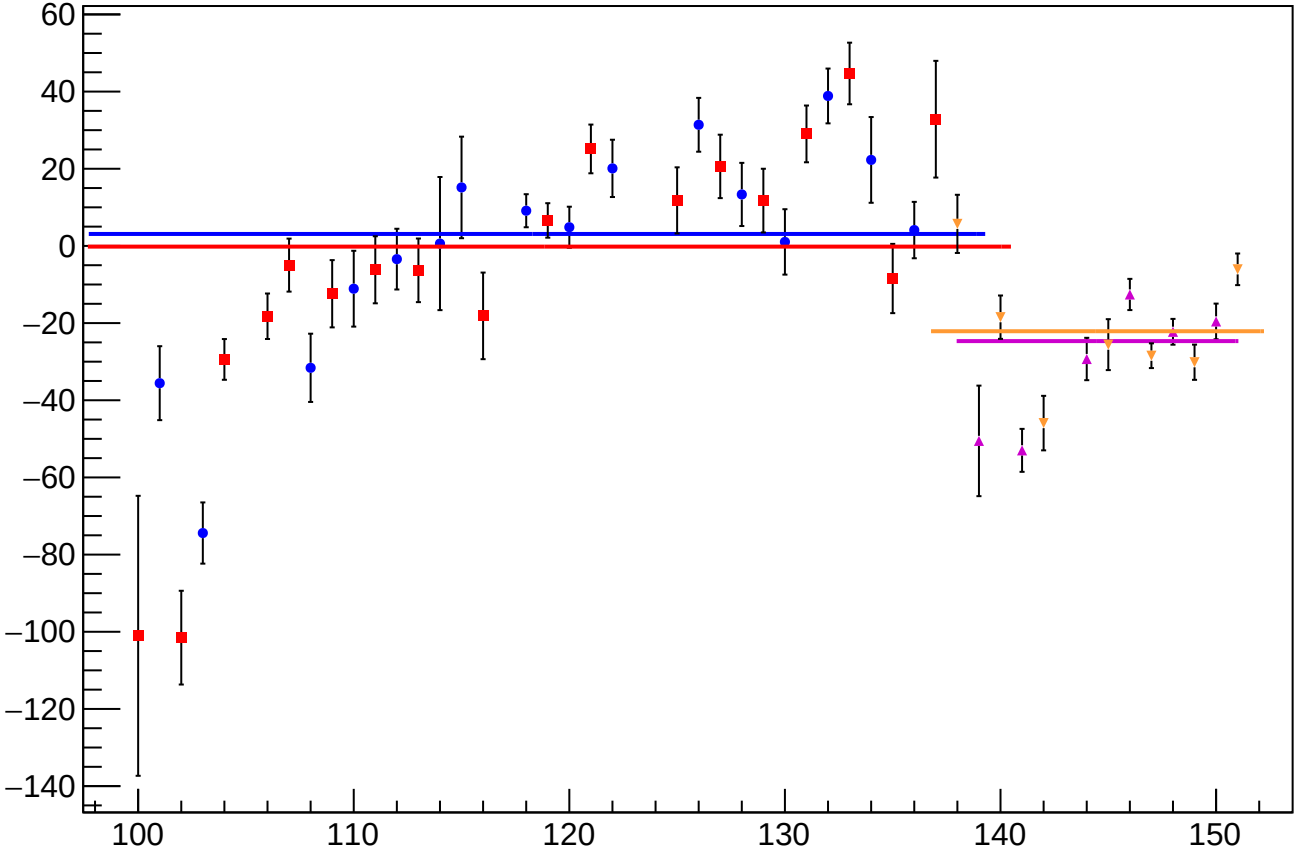
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 358.233+/-1.579 χ^2/NDF:2787.6/21

Out: 330.563+/-1.489 χ^2/NDF:4524.3/24

All: 343.583+/-1.083 χ^2/NDF: 7474.5/46

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: -22.109+/-1.834 χ^2/NDF:48.0/6

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -24.667+/-1.932 χ^2/NDF:40.5/5

Left: -23.321+/-1.330 χ^2/NDF: 89.5/12

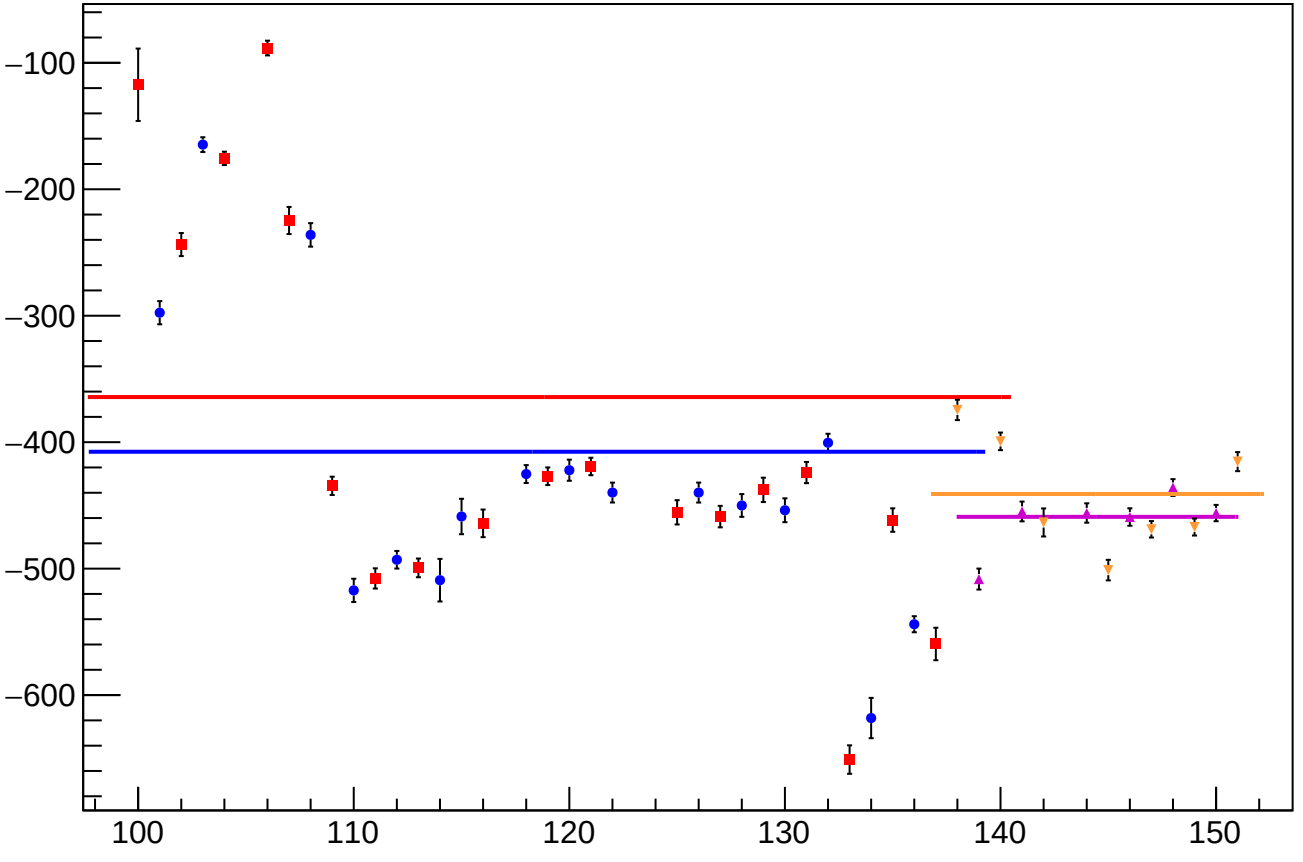
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -10.491+/-1.352 χ^2/NDF:330.5/21

Out: -10.885+/-1.281 χ^2/NDF:326.4/24

All: -10.699+/-0.930 χ^2/NDF: 656.9/46

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -440.962+/-2.855 χ^2/NDF:207.8/6

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -459.043+/-2.942 χ^2/NDF:48.1/5

Left: -449.730+/-2.049 χ^2/NDF: 275.3/12

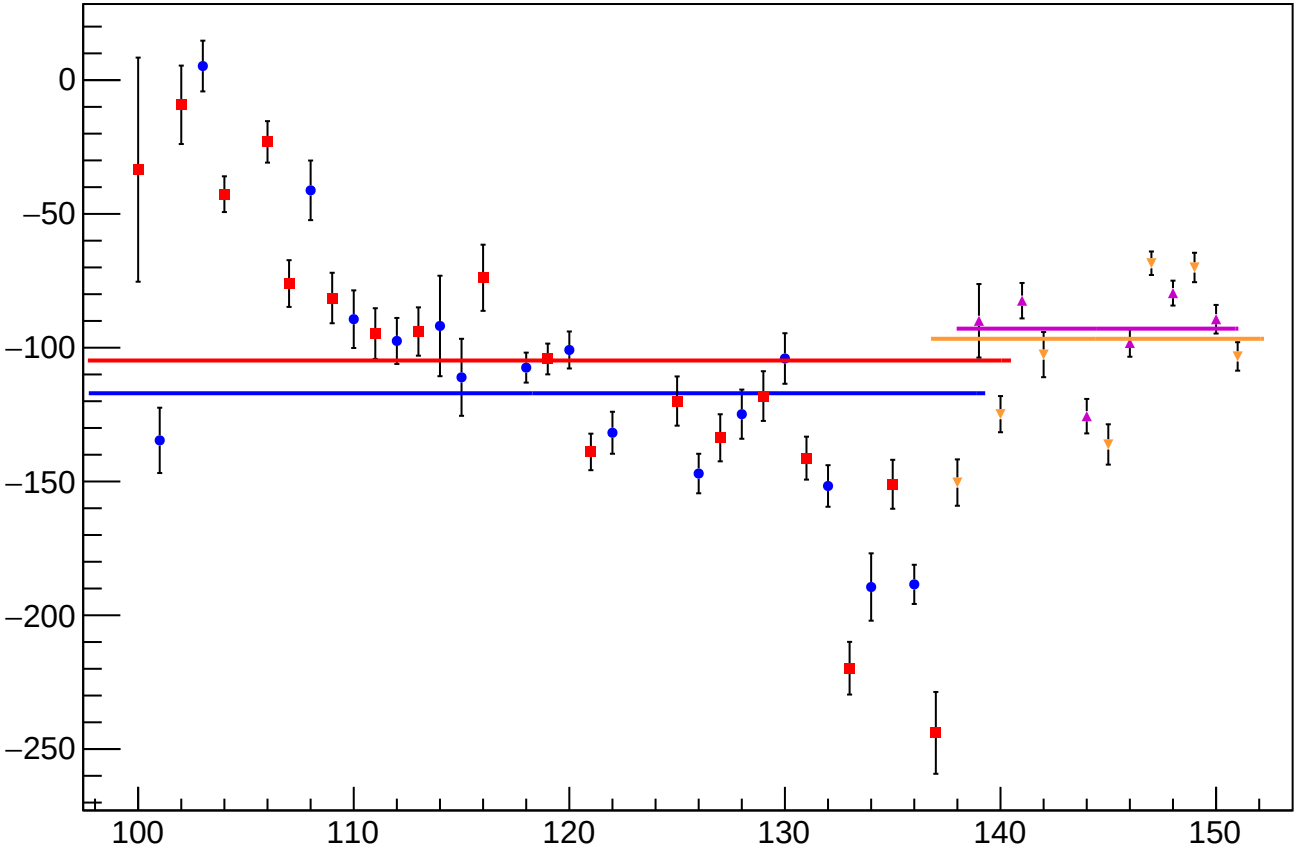
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -424.657+/-1.695 χ^2/NDF:3533.0/21

Out: -388.573+/-1.606 χ^2/NDF:6920.8/24

All: -405.642+/-1.166 χ^2/NDF: 10692.6/46

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: -96.668+/-2.312 χ^2/NDF:150.0/6

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -92.880+/-2.418 χ^2/NDF:38.0/5

Left: -94.859+/-1.671 χ^2/NDF: 189.3/12

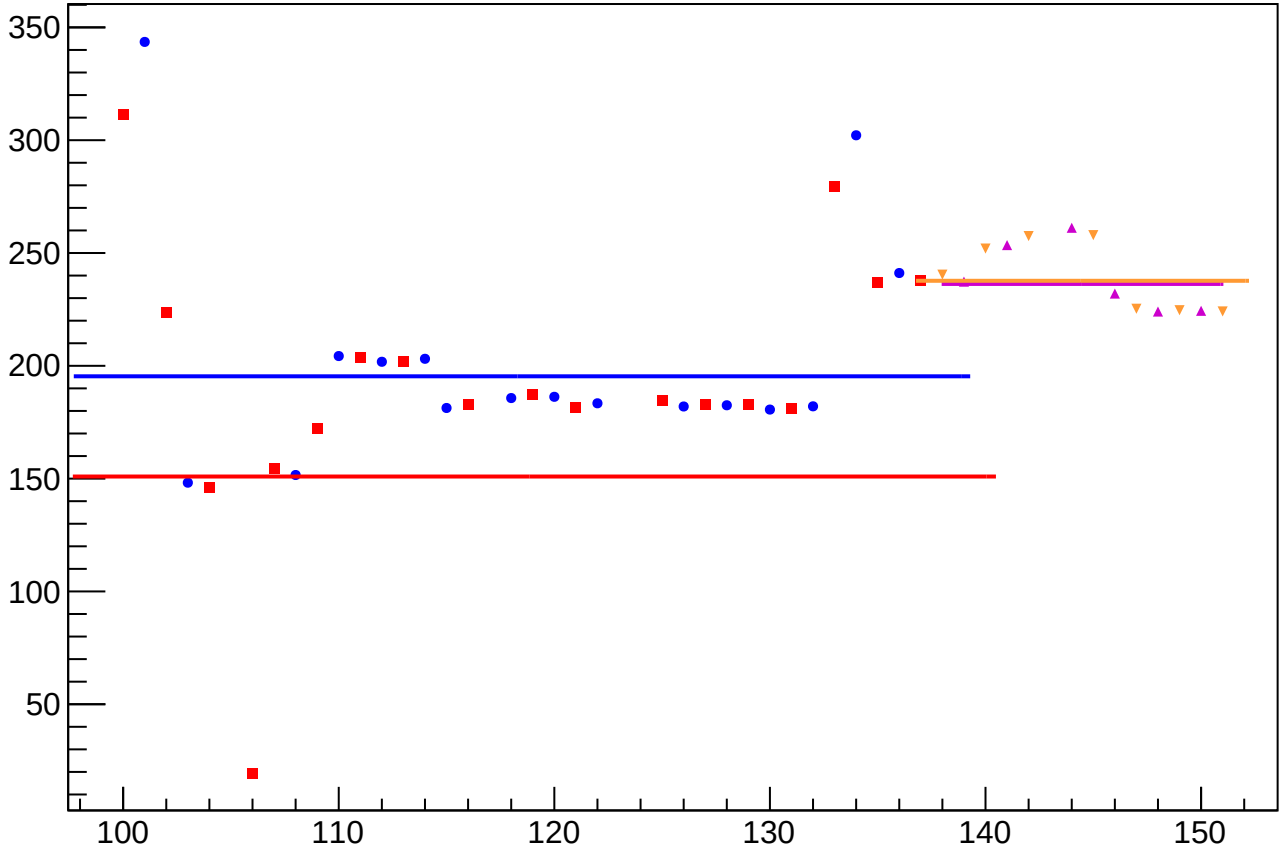
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -106.118+/-1.625 χ^2/NDF:500.5/21

Out: -101.131+/-1.551 χ^2/NDF:731.9/24

All: -103.508+/-1.122 χ^2/NDF: 1237.3/46

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: 237.687+/-0.120 χ^2/NDF:14036.7/6

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 236.288+/-0.120 χ^2/NDF:12504.3/5

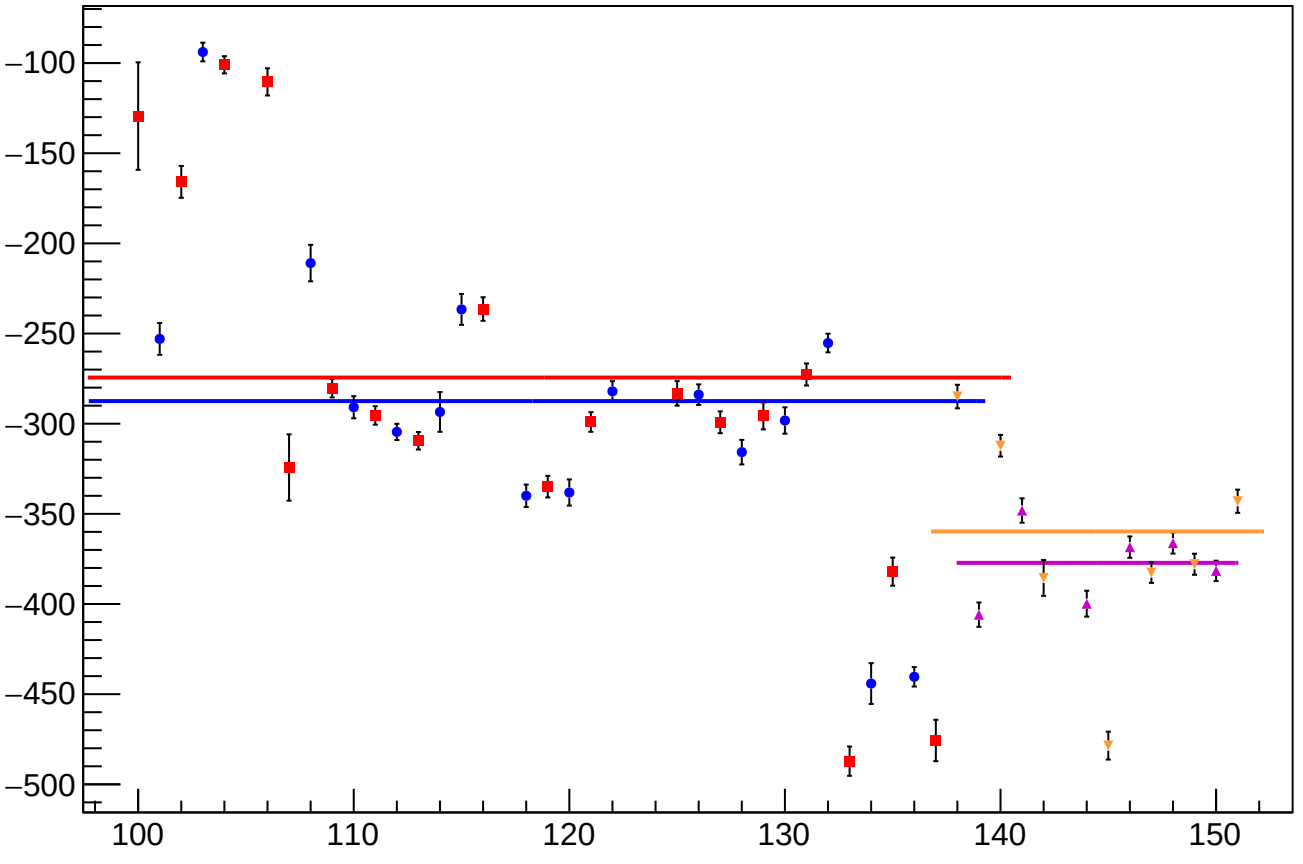
Left: 236.990+/-0.085 χ^2/NDF: 26609.1/12

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 216.577+/-0.086 χ^2/NDF:245421.5/21

Out: 190.757+/-0.081 χ^2/NDF:797931.1/24

All: 202.827+/-0.059 χ^2/NDF: 1090819.9/46



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.781+/-2.482 χ^2/NDF:469.2/6

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -377.177+/-2.560 χ^2/NDF:52.8/5

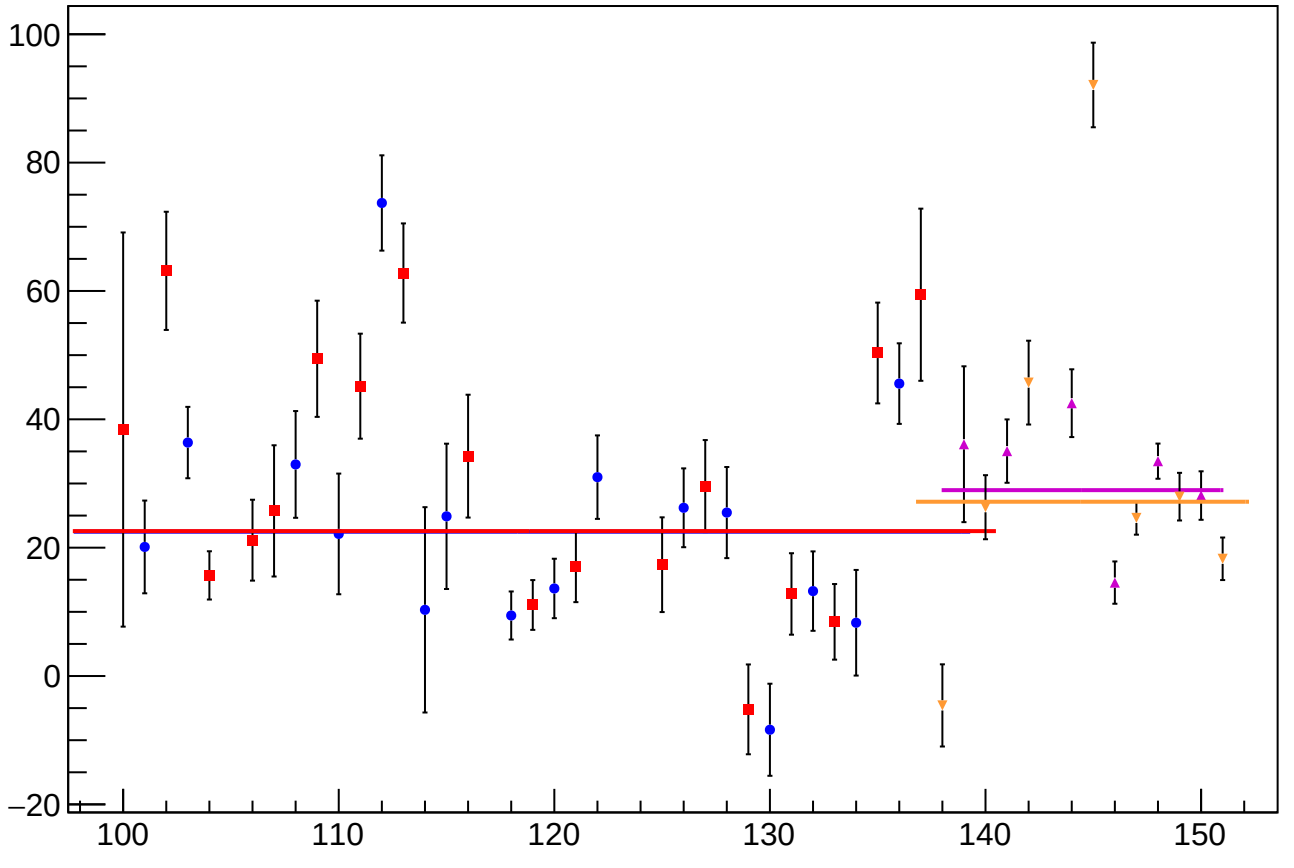
Left: -368.208+/-1.782 χ^2/NDF: 545.8/12

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -312.922+/-1.364 χ^2/NDF:3628.5/21

Out: -298.404+/-1.315 χ^2/NDF:4733.4/24

All: -305.402+/-0.947 χ^2/NDF: 8420.6/46



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 27.158+/-1.541 χ^2/NDF:137.9/6

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 28.963+/-1.625 χ^2/NDF:30.3/5

Left: 28.013+/-1.118 χ^2/NDF: 168.9/12

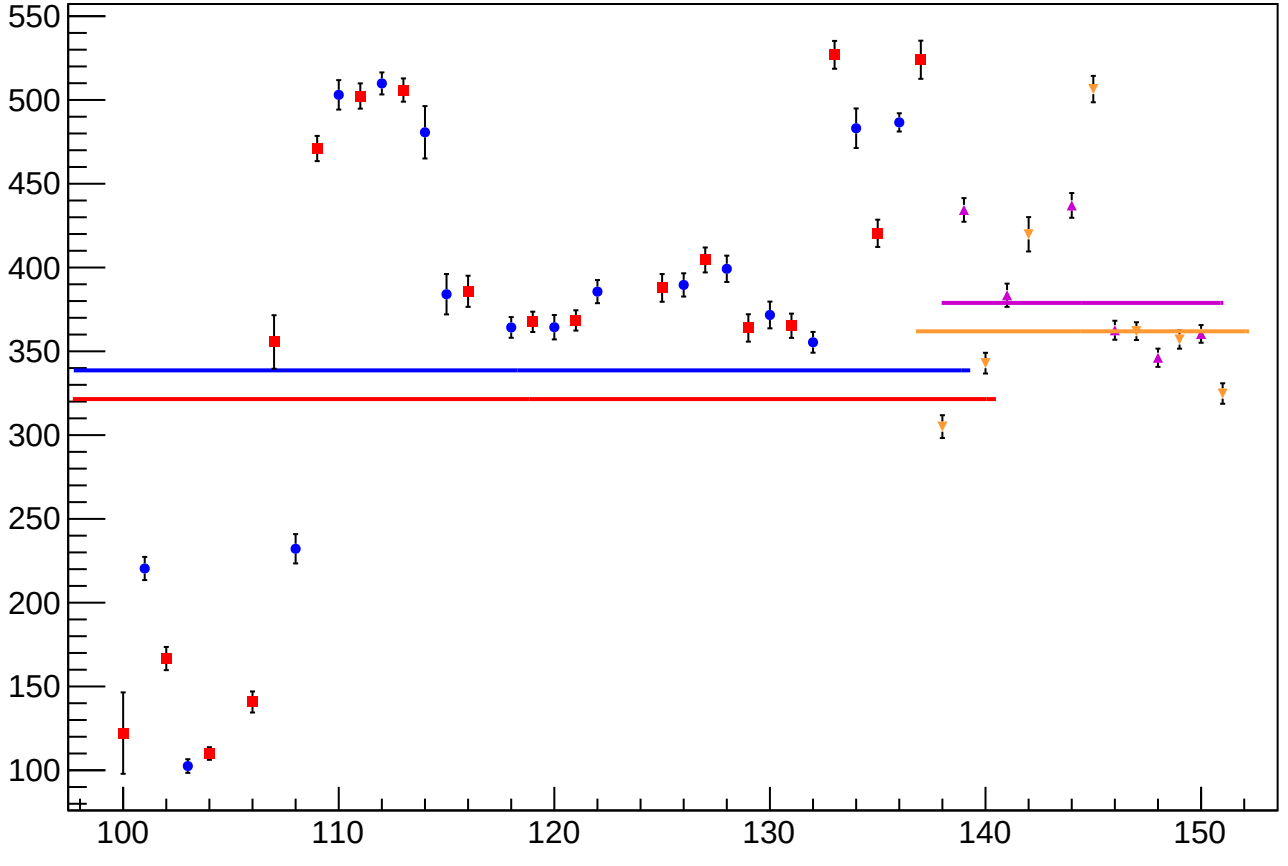
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 25.720+/-1.147 χ^2/NDF:149.7/21

Out: 24.911+/-1.100 χ^2/NDF:265.6/24

All: 25.299+/-0.794 χ^2/NDF: 415.5/46

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: 361.943+/-2.430 χ^2/NDF:485.7/6

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 378.893+/-2.500 χ^2/NDF:181.1/5

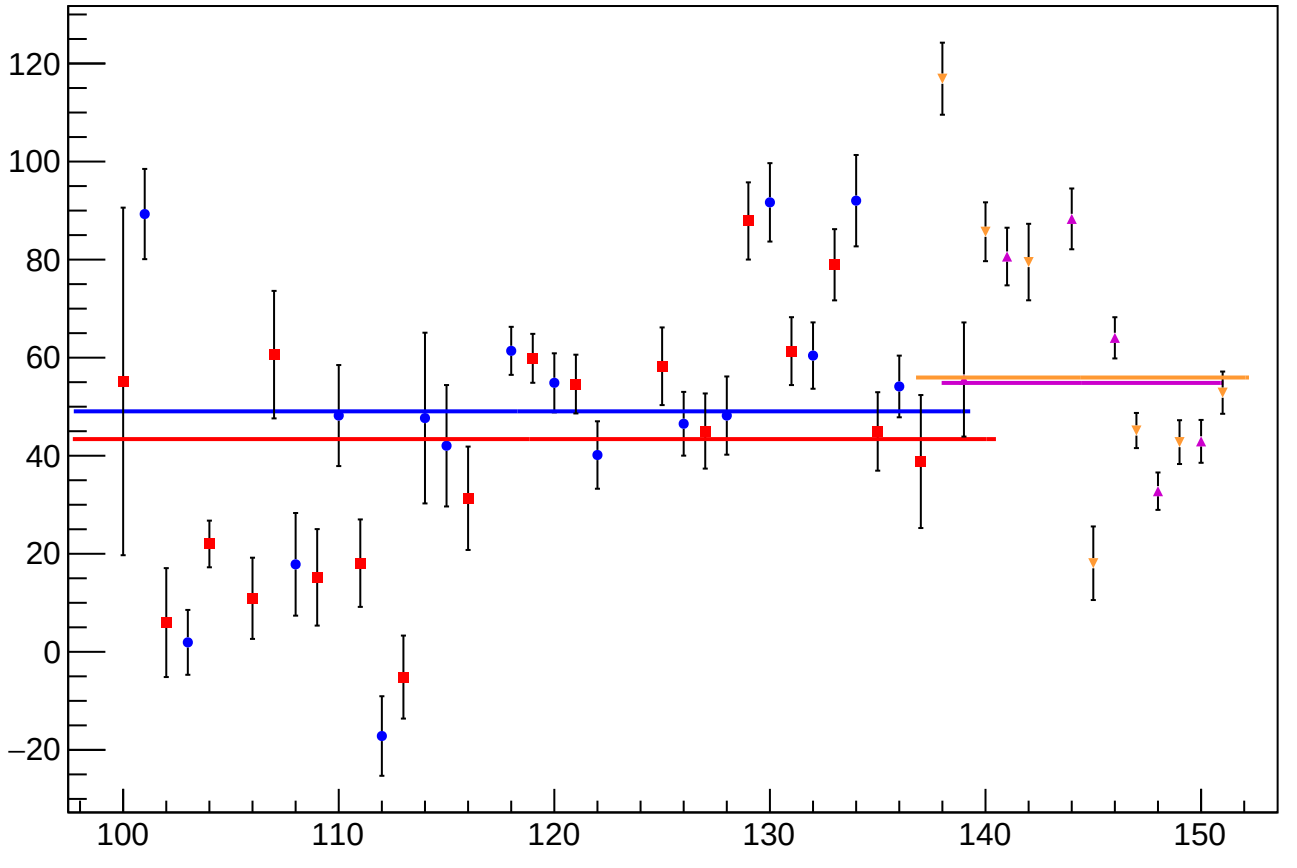
Left: 370.181+/-1.743 χ^2/NDF: 690.4/12

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 351.858+/-1.433 χ^2/NDF:6397.9/21

Out: 334.725+/-1.390 χ^2/NDF:8392.8/24

All: 343.032+/-0.998 χ^2/NDF: 14864.4/46



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 55.952+/-1.953 χ^2/NDF:146.2/6

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 54.849+/-2.041 χ^2/NDF:94.1/5

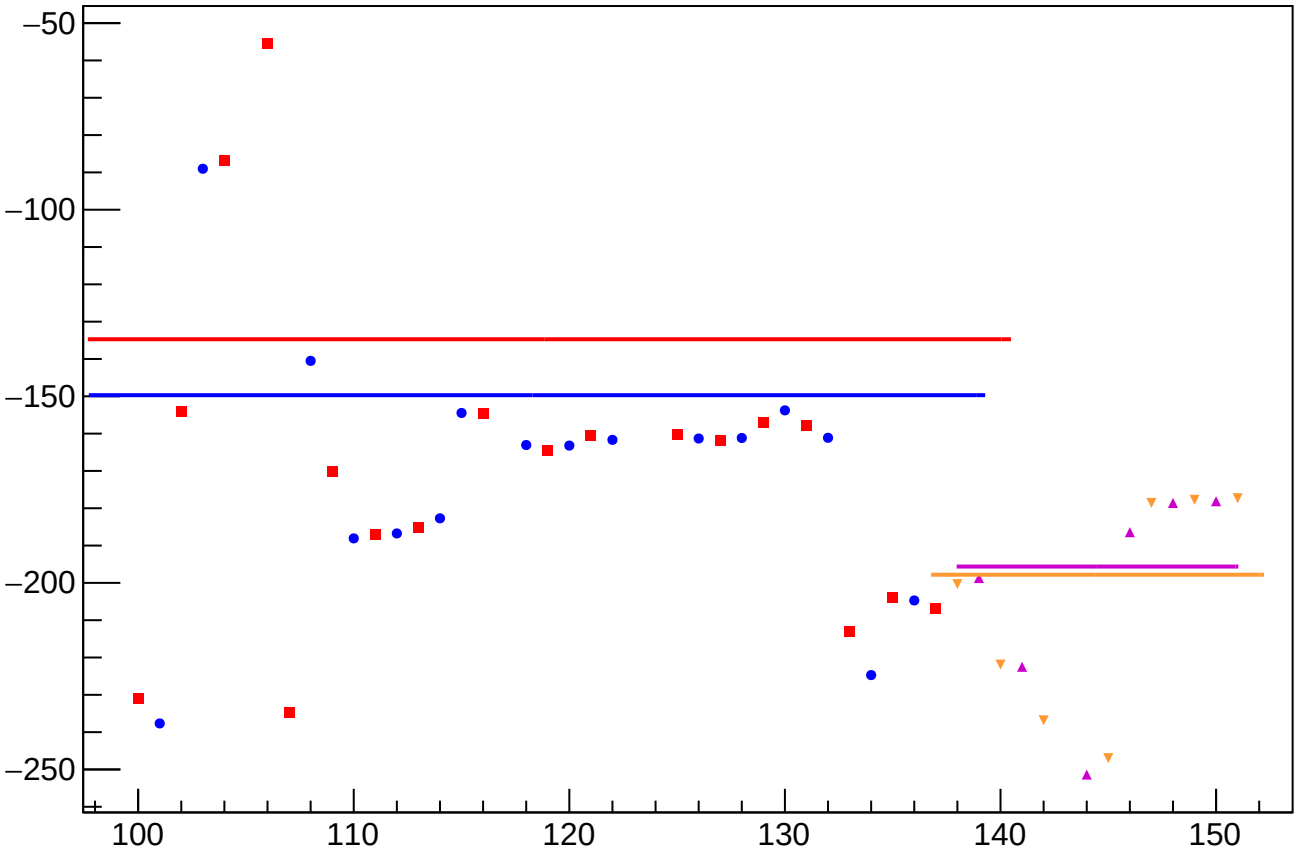
Left: 55.425+/-1.411 χ^2/NDF: 240.4/12

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 51.717+/-1.384 χ^2/NDF:306.4/21

Out: 49.278+/-1.337 χ^2/NDF:348.2/24

All: 50.455+/-0.961 χ^2/NDF: 656.2/46



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -197.811+/-0.102 χ^2/NDF:62605.5/6

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -195.626+/-0.102 χ^2/NDF:51445.6/5

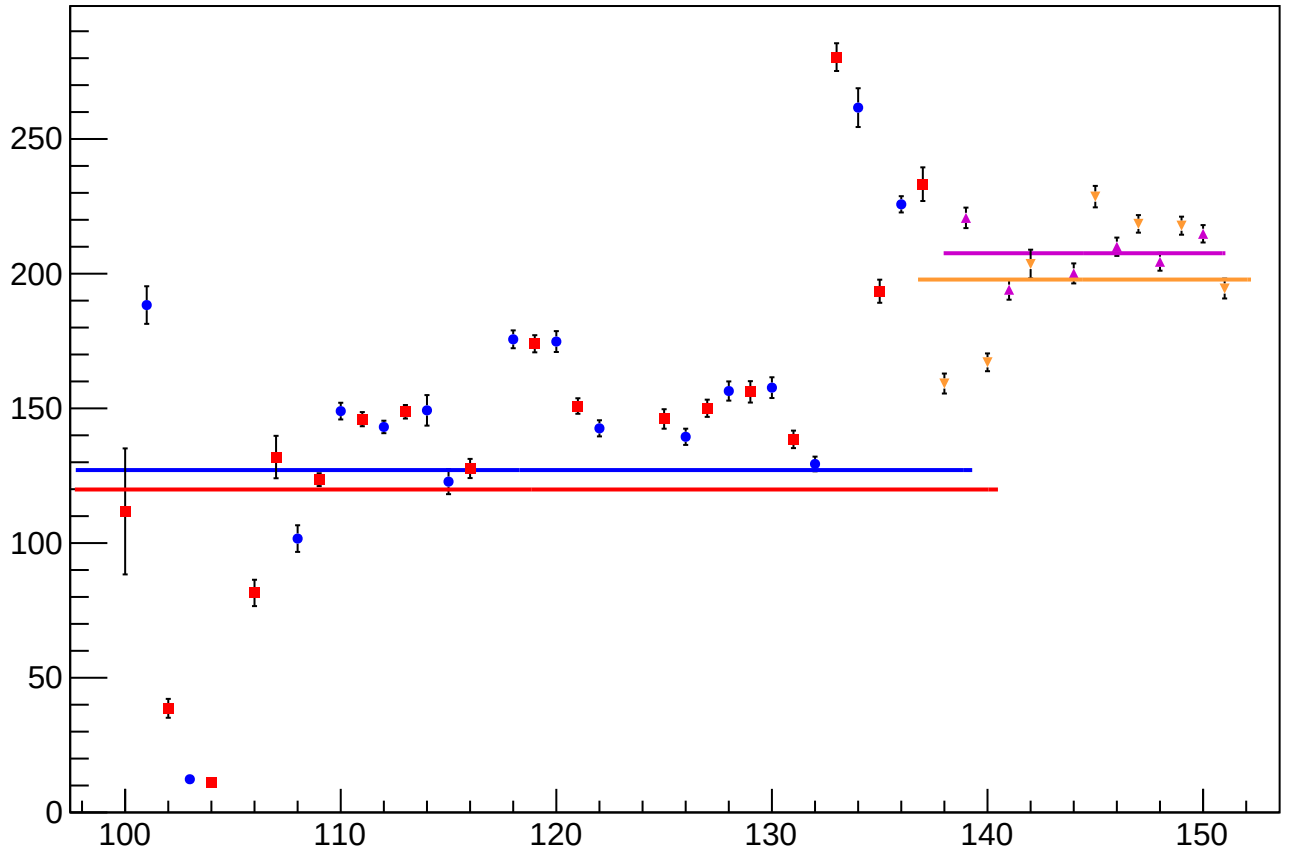
Left: -196.718+/-0.072 χ^2/NDF: 114281.4/12

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -172.450+/-0.072 χ^2/NDF:410719.3/21

Out: -164.726+/-0.070 χ^2/NDF:576514.2/24

All: -168.513+/-0.050 χ^2/NDF: 993162.7/46



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 197.823+/-1.387 χ^2/NDF:332.5/6

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 207.591+/-1.433 χ^2/NDF:35.6/5

Left: 202.550+/-0.997 χ^2/NDF: 392.1/12

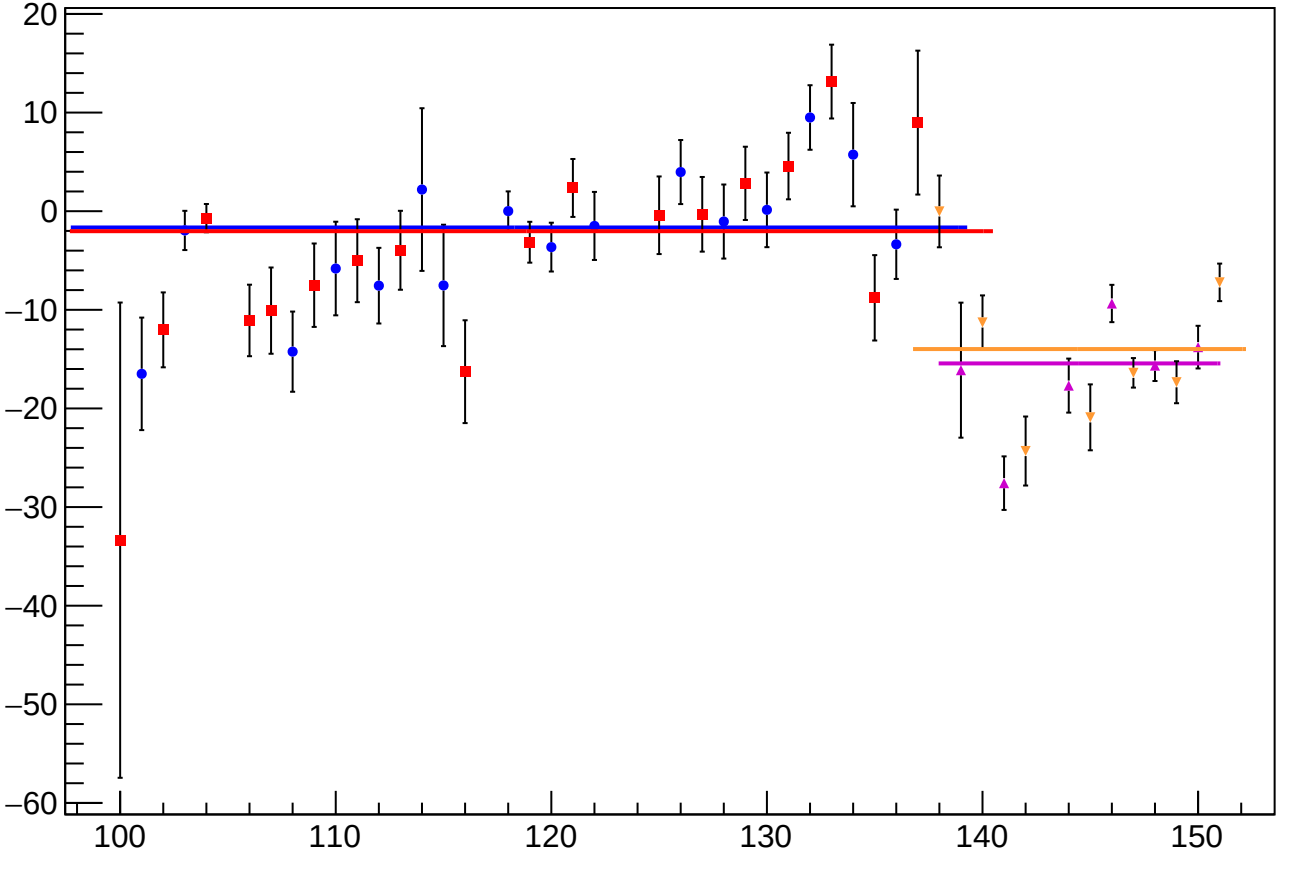
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 146.624+/-0.706 χ^2/NDF:8589.2/21

Out: 138.392+/-0.676 χ^2/NDF:9388.2/24

All: 142.332+/-0.488 χ^2/NDF: 18048.4/46

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -13.979+/-0.869 χ^2/NDF:46.4/6

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -15.435+/-0.916 χ^2/NDF:31.6/5

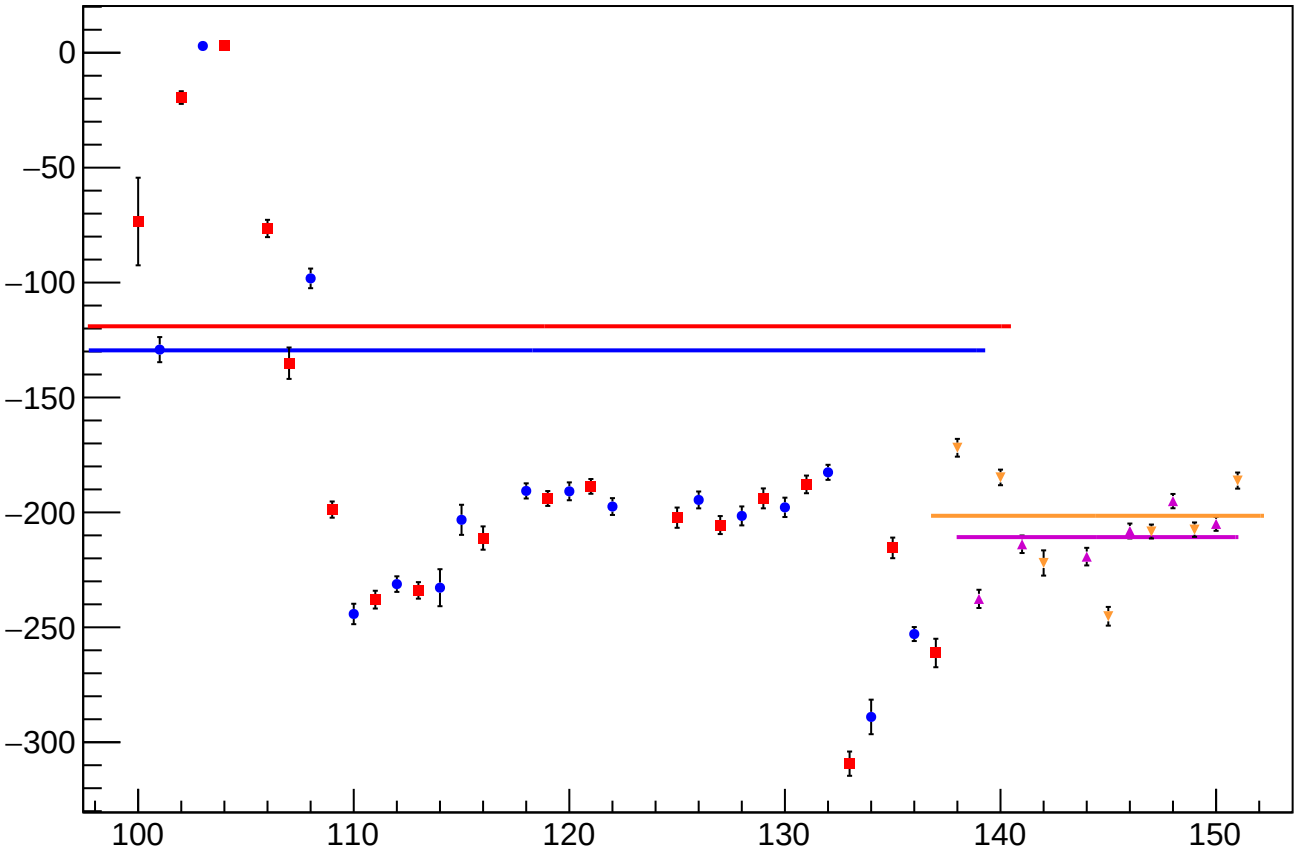
Left: -14.669+/-0.631 χ^2/NDF: 79.4/12

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -7.889+/-0.616 χ^2/NDF:194.7/21

Out: -7.282+/-0.577 χ^2/NDF:210.9/24

All: -7.565+/-0.421 χ^2/NDF: 406.1/46



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.472+/-1.362 χ^2/NDF:239.8/6

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -210.750+/-1.402 χ^2/NDF:81.2/5

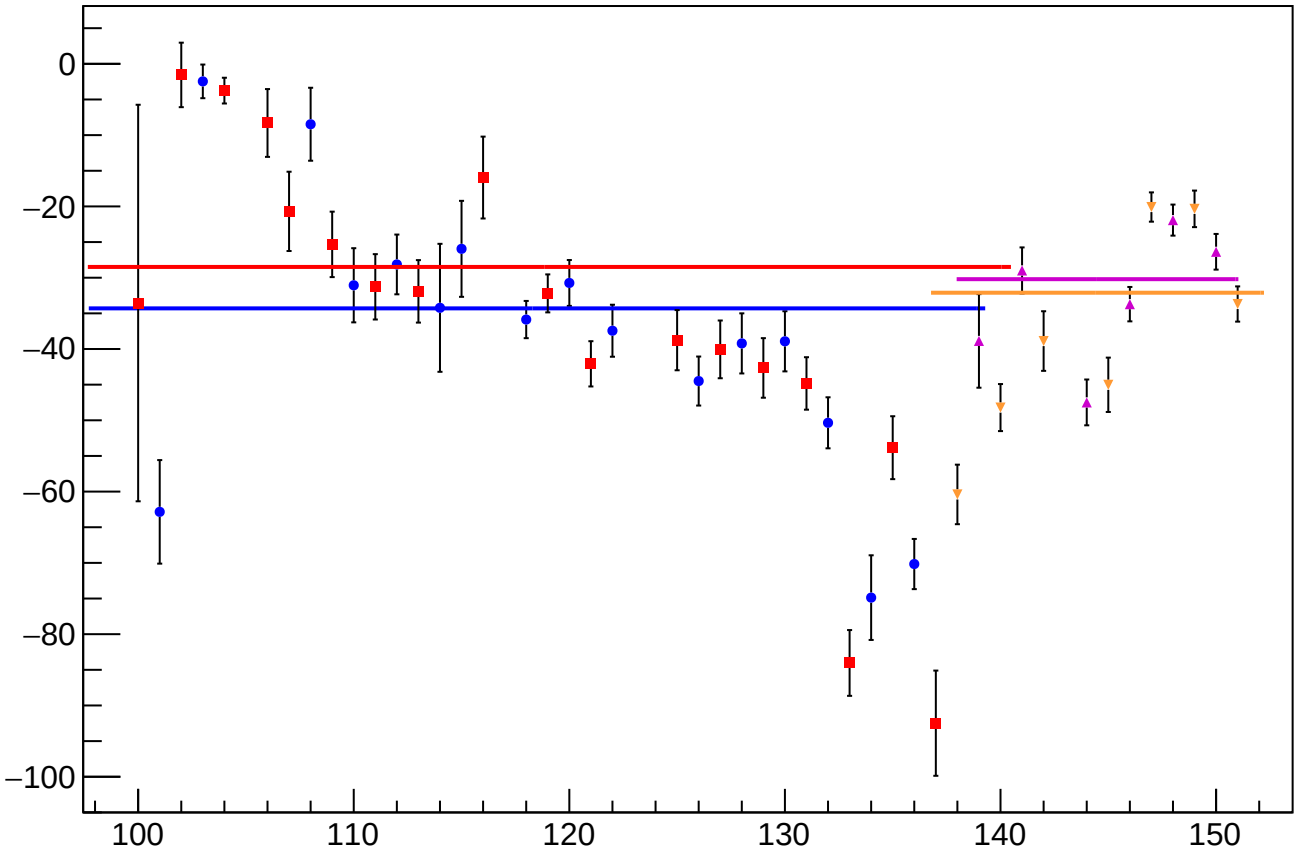
Left: -205.978+/-0.977 χ^2/NDF: 343.6/12

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -151.203+/-0.725 χ^2/NDF:17231.0/21

Out: -140.665+/-0.698 χ^2/NDF:19118.2/24

All: -145.737+/-0.503 χ^2/NDF: 36458.9/46



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -32.105+/-1.099 χ^2/NDF:139.6/6

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -30.205+/-1.148 χ^2/NDF:49.8/5

Left: -31.197+/-0.794 χ^2/NDF: 190.8/12

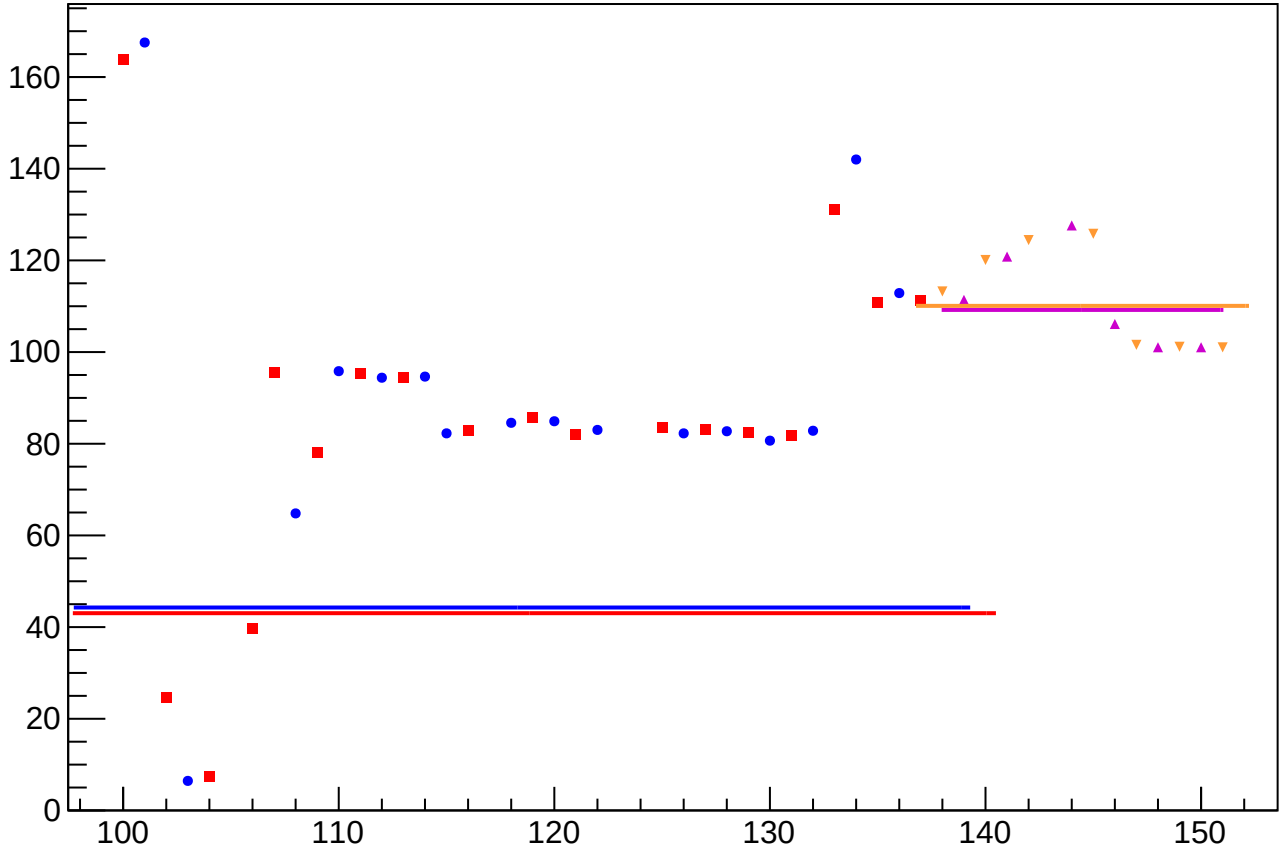
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -32.600+/-0.740 χ^2/NDF:468.5/21

Out: -29.953+/-0.699 χ^2/NDF:714.1/24

All: -31.202+/-0.508 χ^2/NDF: 1189.3/46

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: 110.080+/-0.057 χ^2/NDF:31106.1/6

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 109.195+/-0.057 χ^2/NDF:26439.8/5

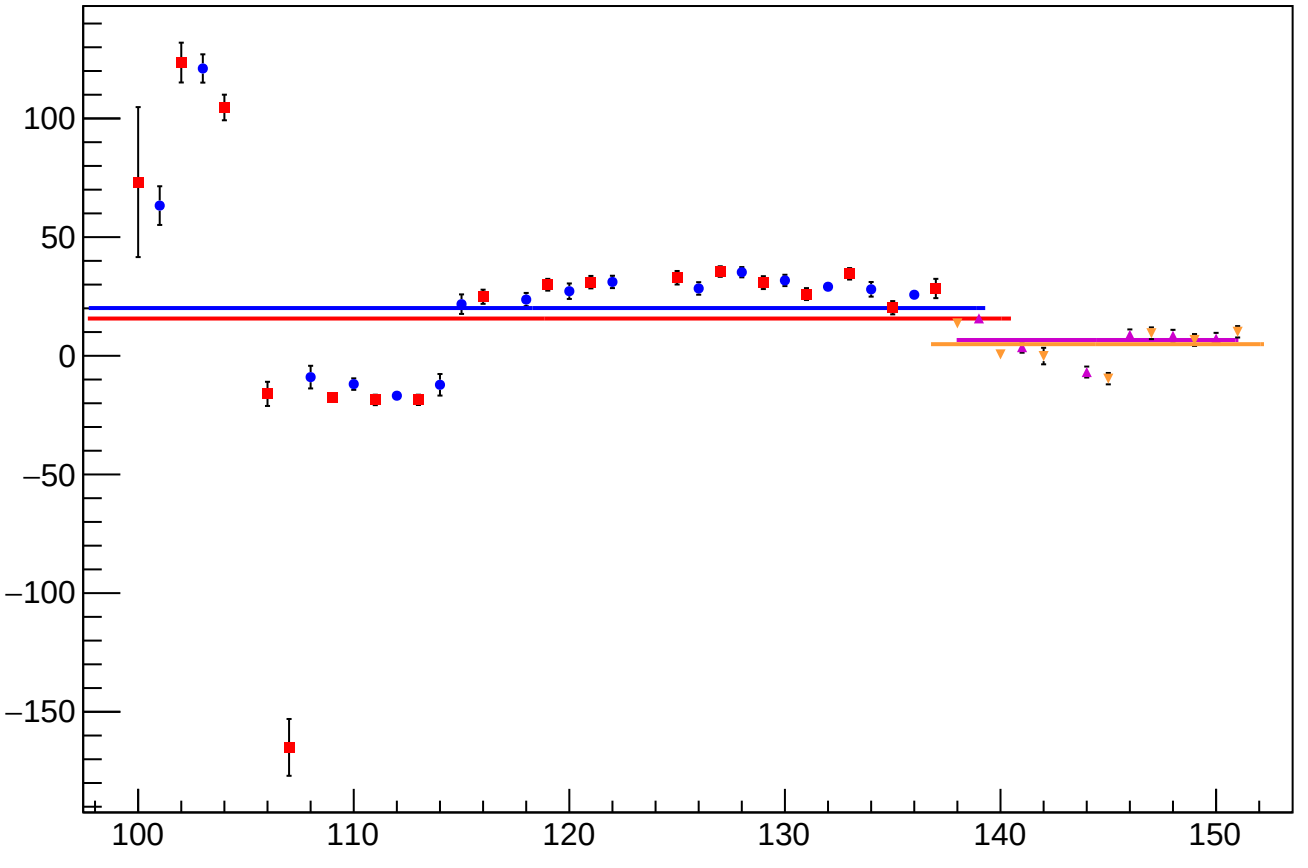
Left: 109.639+/-0.040 χ^2/NDF: 57666.0/12

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 69.072+/-0.035 χ^2/NDF:1908619.5/21

Out: 68.774+/-0.035 χ^2/NDF:1687056.5/24

All: 68.923+/-0.025 χ^2/NDF: 3595711.6/46



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 4.898+/-0.907 χ^2/NDF:69.4/6

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.659+/-0.934 χ^2/NDF:58.0/5

Left: 5.752+/-0.651 χ^2/NDF: 129.2/12

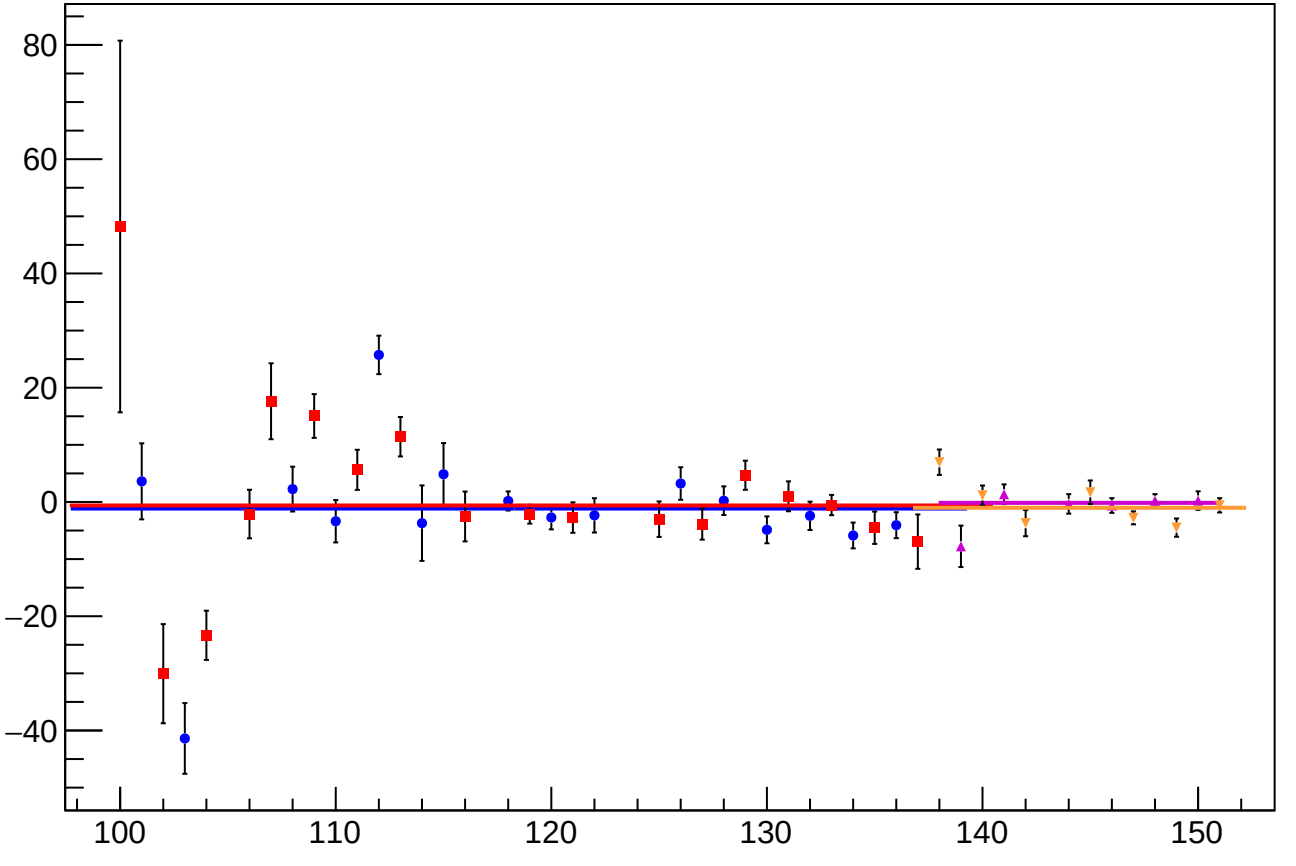
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 15.392+/-0.553 χ^2/NDF:1240.8/21

Out: 11.797+/-0.545 χ^2/NDF:1933.8/24

All: 13.567+/-0.388 χ^2/NDF: 3196.1/46

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.017+/-0.602 χ^2/NDF:24.7/6

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.154+/-0.637 χ^2/NDF:5.4/5

Left: -0.610+/-0.437 χ^2/NDF: 31.2/12

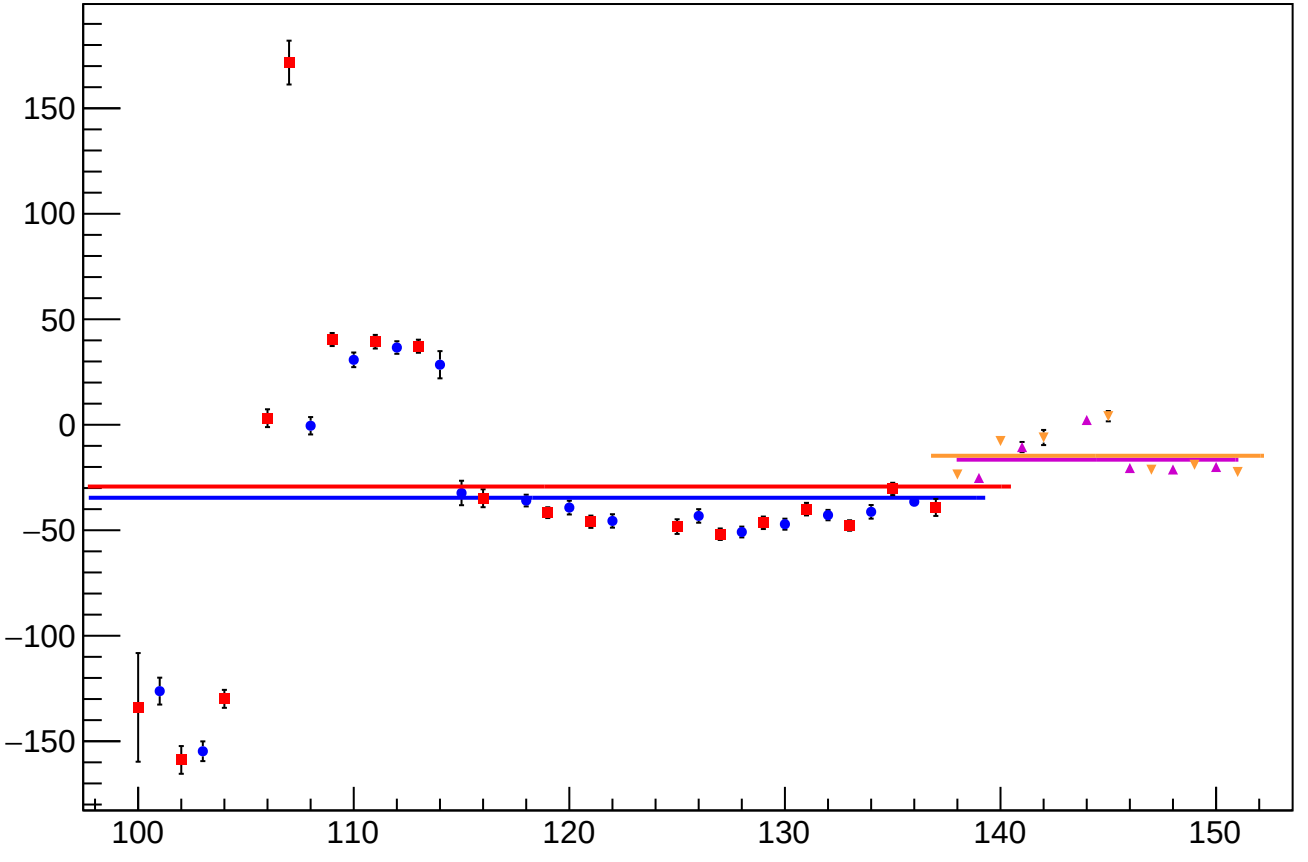
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.606+/-0.471 χ^2/NDF:128.4/21

Out: -0.849+/-0.460 χ^2/NDF:118.3/24

All: -0.730+/-0.329 χ^2/NDF: 246.8/46

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: -14.692+/-0.899 χ^2/NDF:114.9/6

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -16.547+/-0.924 χ^2/NDF:95.7/5

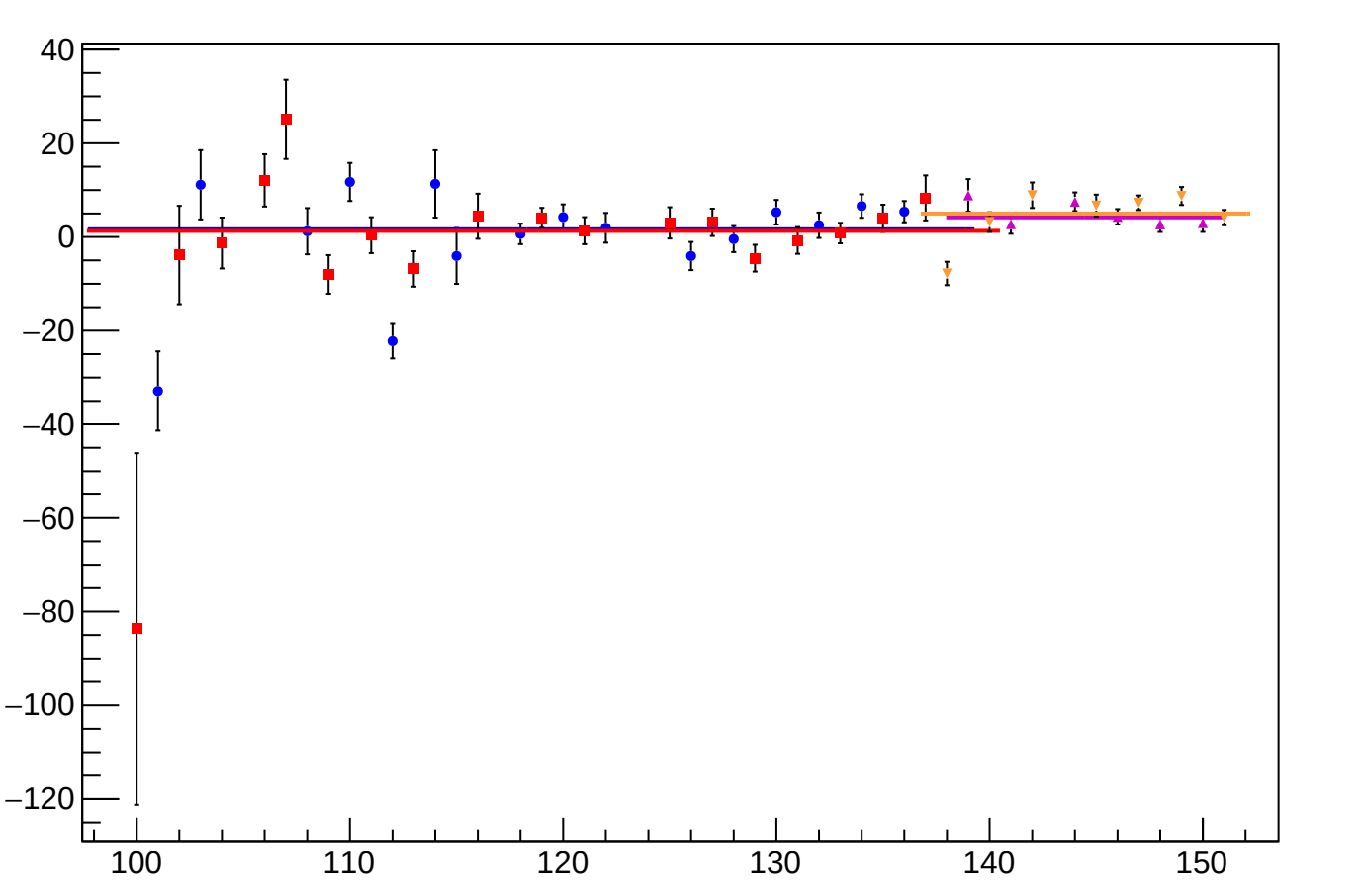
Left: -15.594+/-0.644 χ^2/NDF: 212.7/12

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -27.015+/-0.599 χ^2/NDF:2375.6/21

Out: -22.833+/-0.598 χ^2/NDF:3342.9/24

All: -24.920+/-0.423 χ^2/NDF: 5743.0/46



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.990+/-0.752 χ^2/NDF:35.9/6

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.181+/-0.789 χ^2/NDF:6.4/5

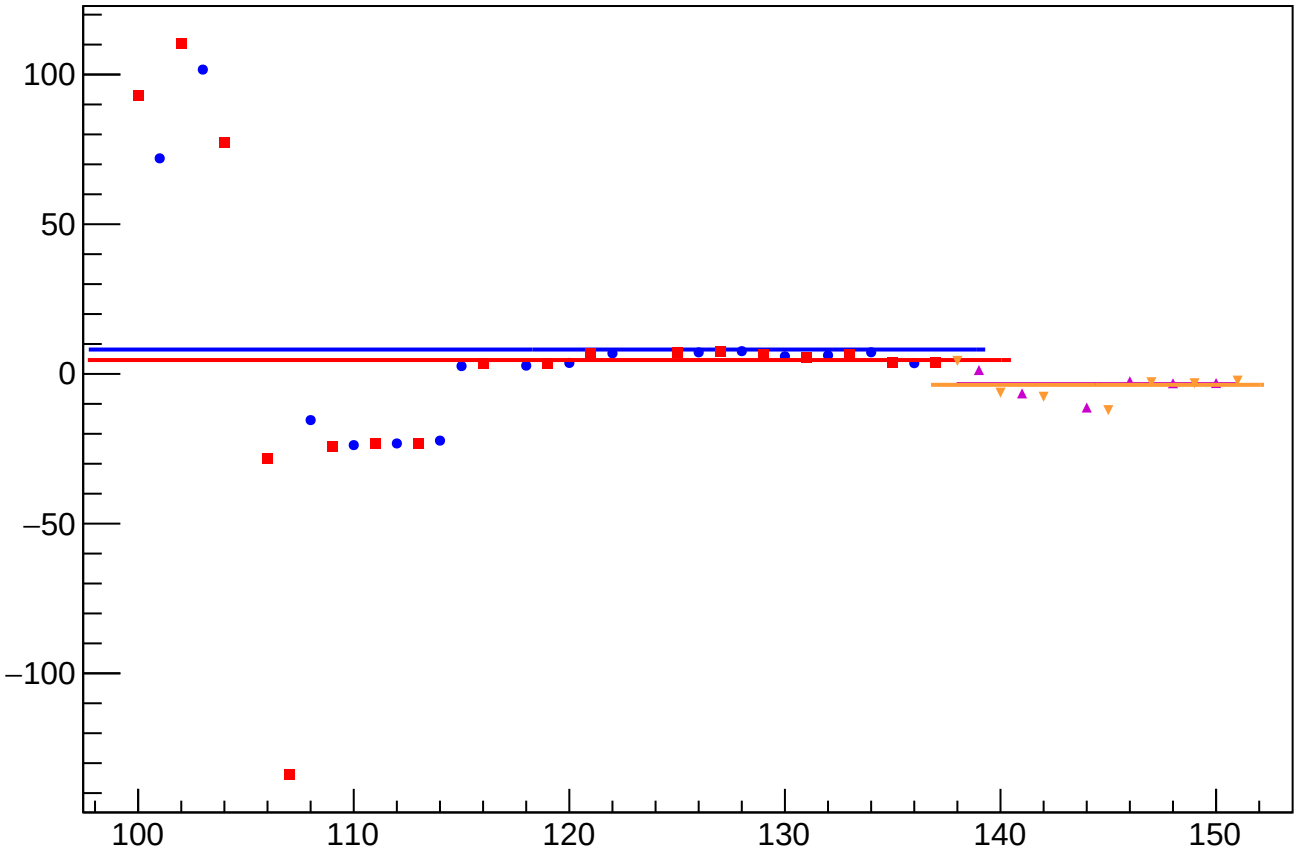
Left: 4.605+/-0.544 χ^2/NDF: 42.8/12

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.919+/-0.561 χ^2/NDF:94.8/21

Out: 3.296+/-0.553 χ^2/NDF:84.4/24

All: 3.110+/-0.394 χ^2/NDF: 179.5/46



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.635+/-0.037 χ^2/NDF:18302.1/6

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.385+/-0.037 χ^2/NDF:10510.1/5

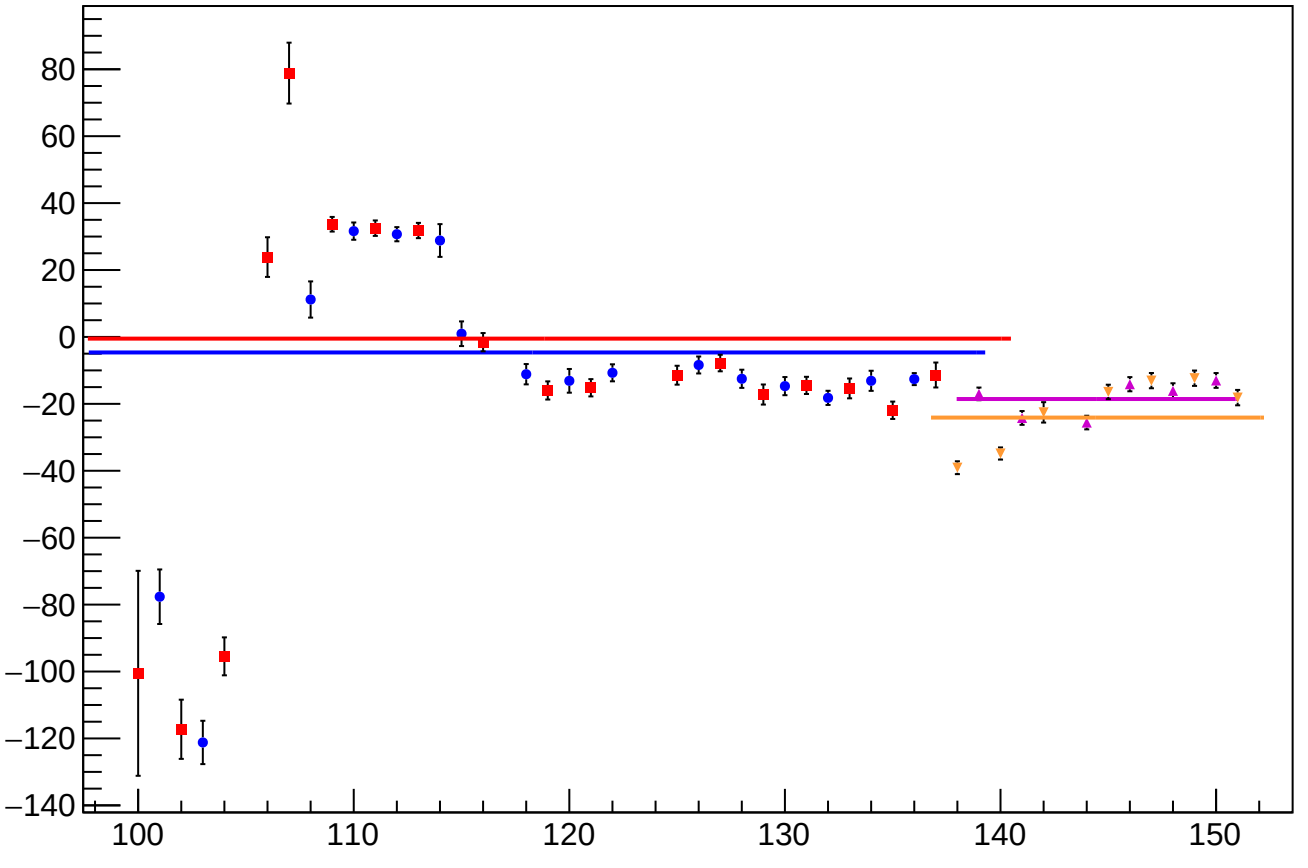
Left: -3.511+/-0.026 χ^2/NDF: 28834.9/12

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 0.910+/-0.030 χ^2/NDF:359517.5/21

Out: -0.829+/-0.030 χ^2/NDF:482038.9/24

All: 0.058+/-0.021 χ^2/NDF: 843258.4/46


reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
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−80
−100
−120
−140
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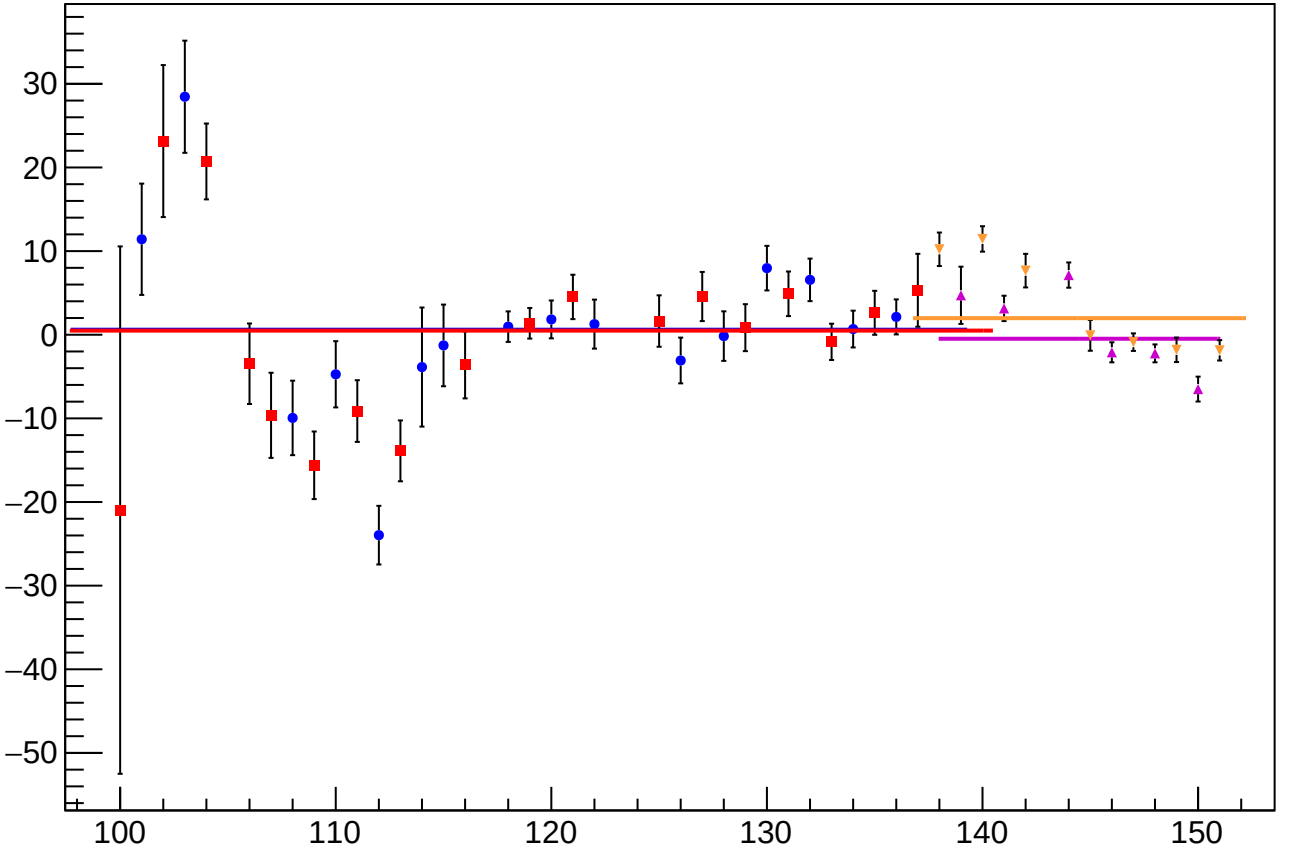
120
130
140
150
Right In: -4.640+/-0.712 χ²/NDF: 1046.3/15
Left Out: -24.104+/-0.826 χ²/NDF:165.0/6
Right Out: -0.505+/-0.711 χ²/NDF: 1457.8/17
Left In: -18.555+/-0.853 χ²/NDF:31.9/5
Left: -21.419+/-0.593 χ²/NDF: 218.7/12
Right: -2.571+/-0.503 χ²/NDF: 2521.0/33
In: -10.352+/-0.546 χ²/NDF:1235.1/21
Out: -10.552+/-0.539 χ²/NDF:2092.0/24
All: -10.453+/-0.384 χ²/NDF: 3327.1/46

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.982+/-0.553 χ^2/NDF:89.2/6

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.480+/-0.579 χ^2/NDF:54.4/5

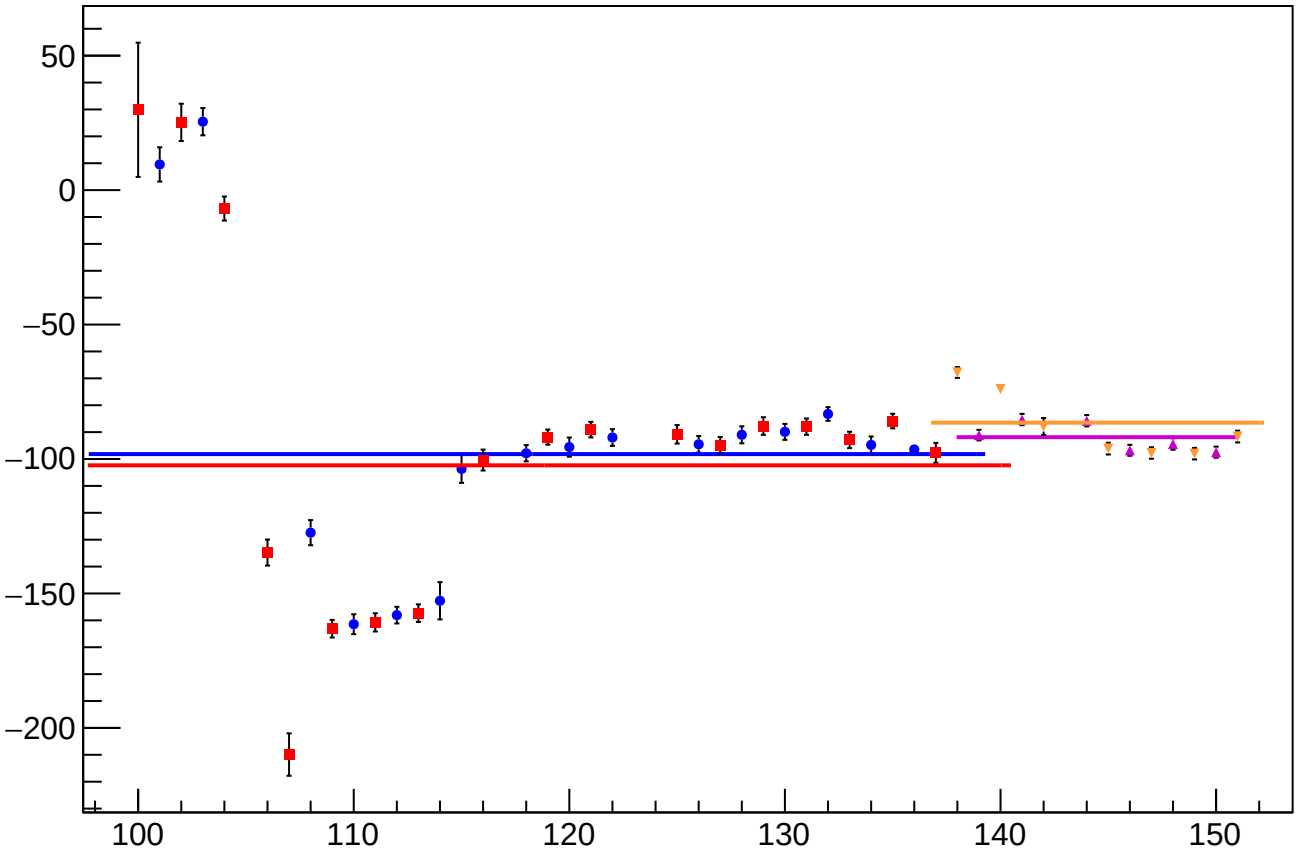
Left: 0.809+/-0.400 χ^2/NDF: 153.1/12

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: -0.060+/-0.453 χ^2/NDF:148.6/21

Out: 1.463+/-0.446 χ^2/NDF:171.9/24

All: 0.714+/-0.318 χ^2/NDF: 326.2/46



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.478+/-0.820 χ^2/NDF:213.1/6

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -91.879+/-0.844 χ^2/NDF:32.7/5

Left: -89.101+/-0.588 χ^2/NDF: 266.8/12

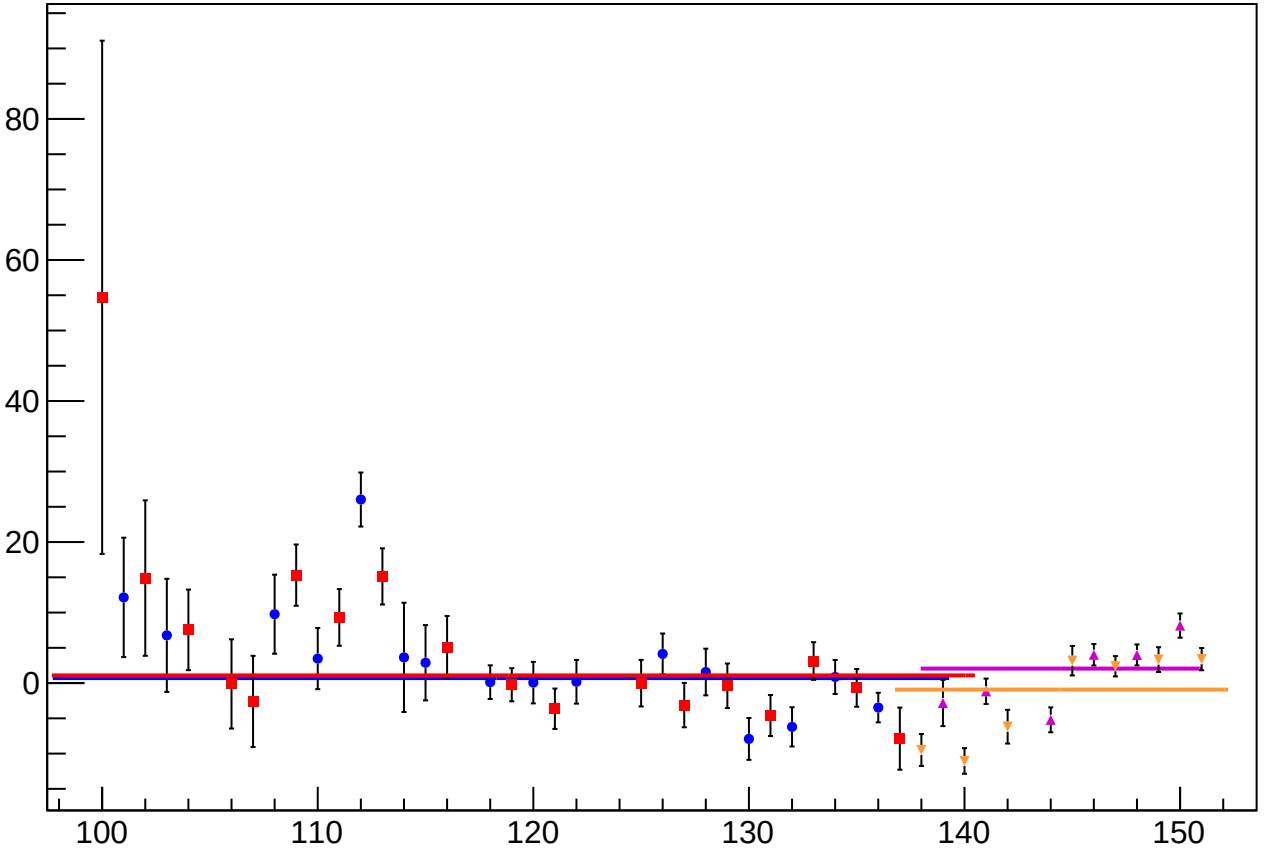
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.141+/-0.585 χ^2/NDF:1761.4/21

Out: -94.250+/-0.586 χ^2/NDF:2514.1/24

All: -94.696+/-0.414 χ^2/NDF: 4276.7/46

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.928+/-0.688 χ^2/NDF:72.7/6

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.054+/-0.718 χ^2/NDF:38.3/5

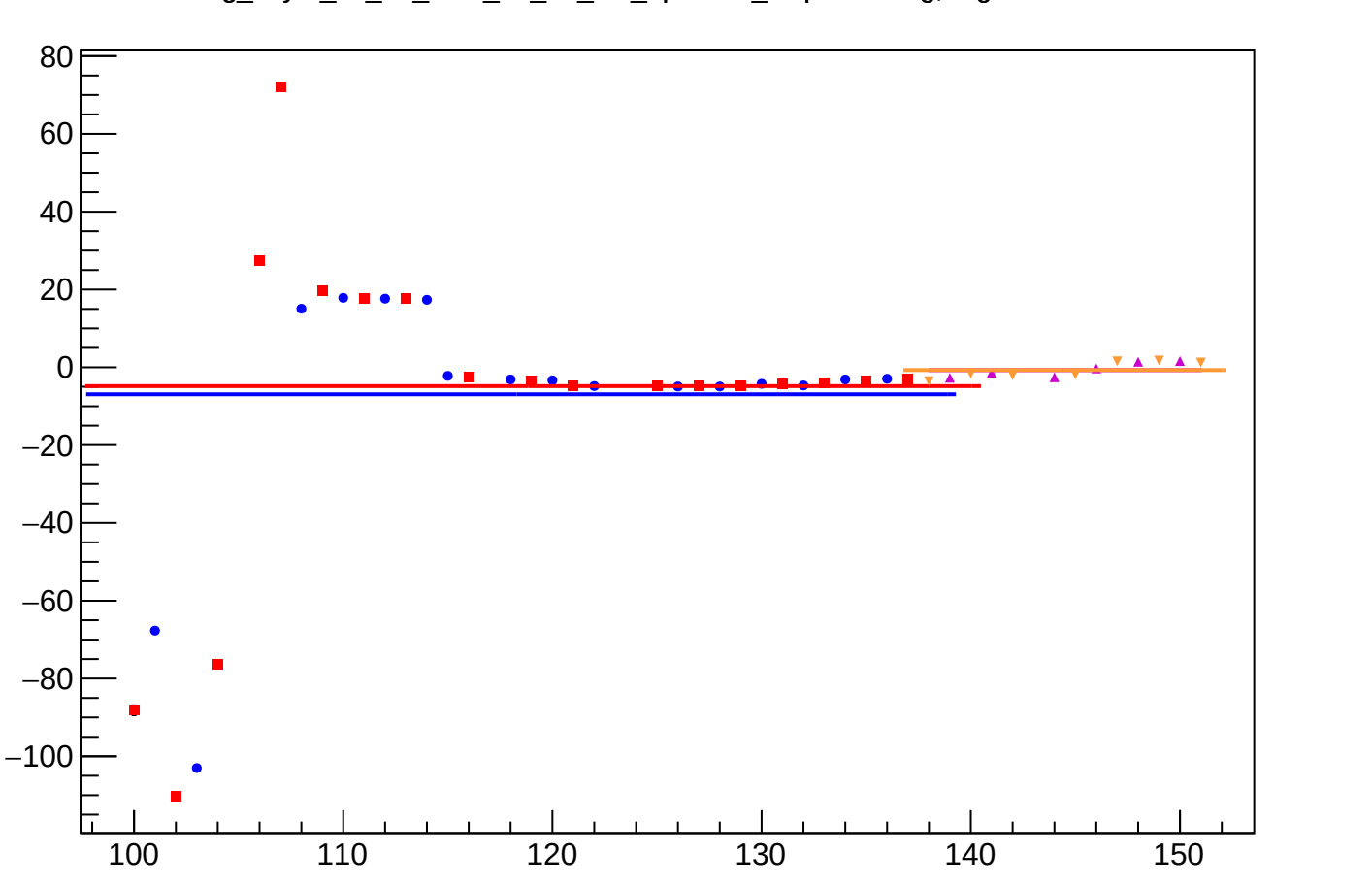
Left: 0.501+/-0.497 χ^2/NDF: 120.0/12

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 1.473+/-0.540 χ^2/NDF:109.4/21

Out: -0.137+/-0.537 χ^2/NDF:123.7/24

All: 0.662+/-0.381 χ^2/NDF: 237.6/46


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
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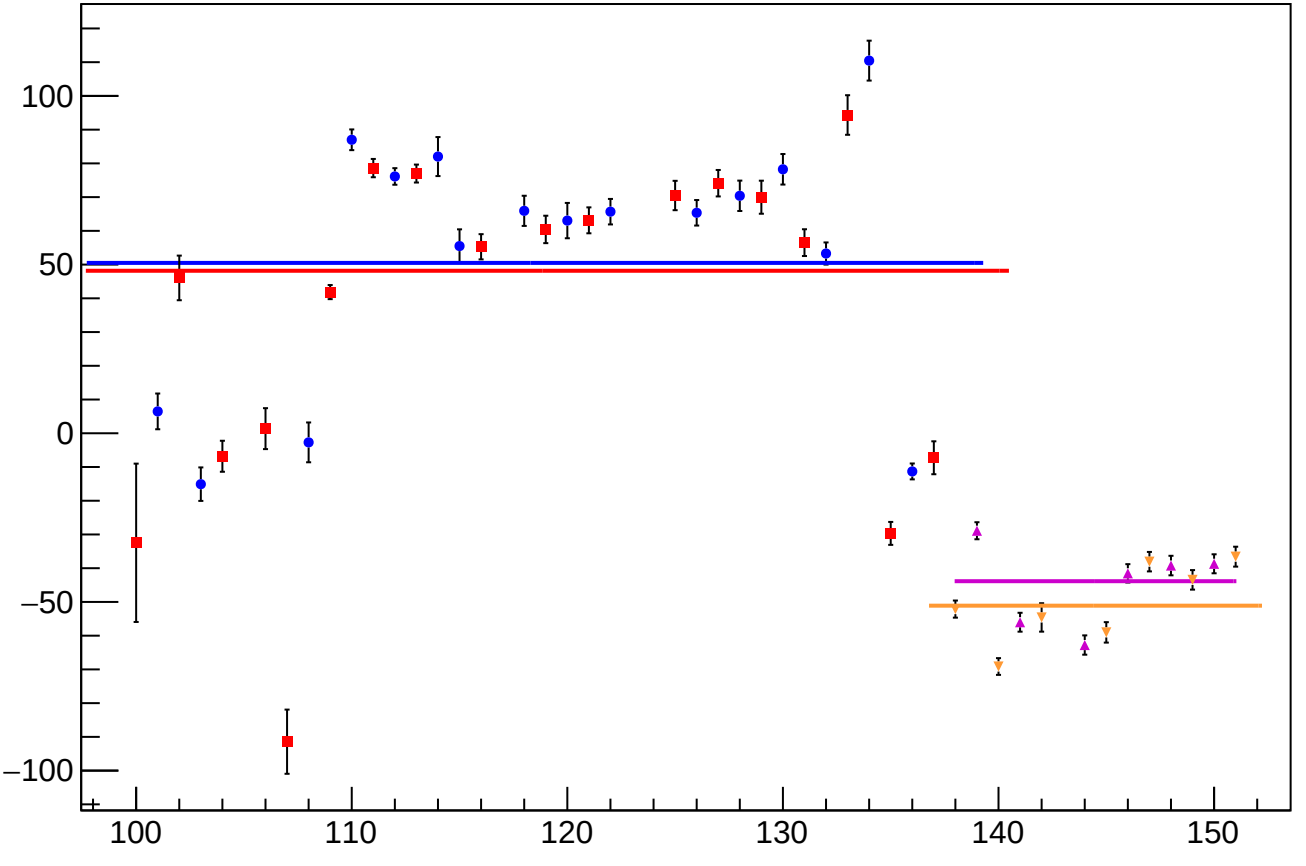
Right In: -6.927+/-0.049 χ²/NDF: 265187.0/15
Left Out: -0.713+/-0.034 χ²/NDF:3513.6/6
Right Out: -4.833+/-0.053 χ²/NDF: 339363.3/17
Left In: -0.738+/-0.034 χ²/NDF:2644.7/5
Left: -0.725+/-0.024 χ²/NDF: 6158.6/12
Right: -5.968+/-0.036 χ²/NDF: 605403.2/33
In: -2.787+/-0.028 χ²/NDF:278711.3/21
Out: -1.914+/-0.029 χ²/NDF:347189.5/24
All: -2.360+/-0.020 χ²/NDF: 626379.3/46

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: -51.106+/-1.093 χ^2/NDF:112.1/6

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -43.851+/-1.127 χ^2/NDF:104.4/5

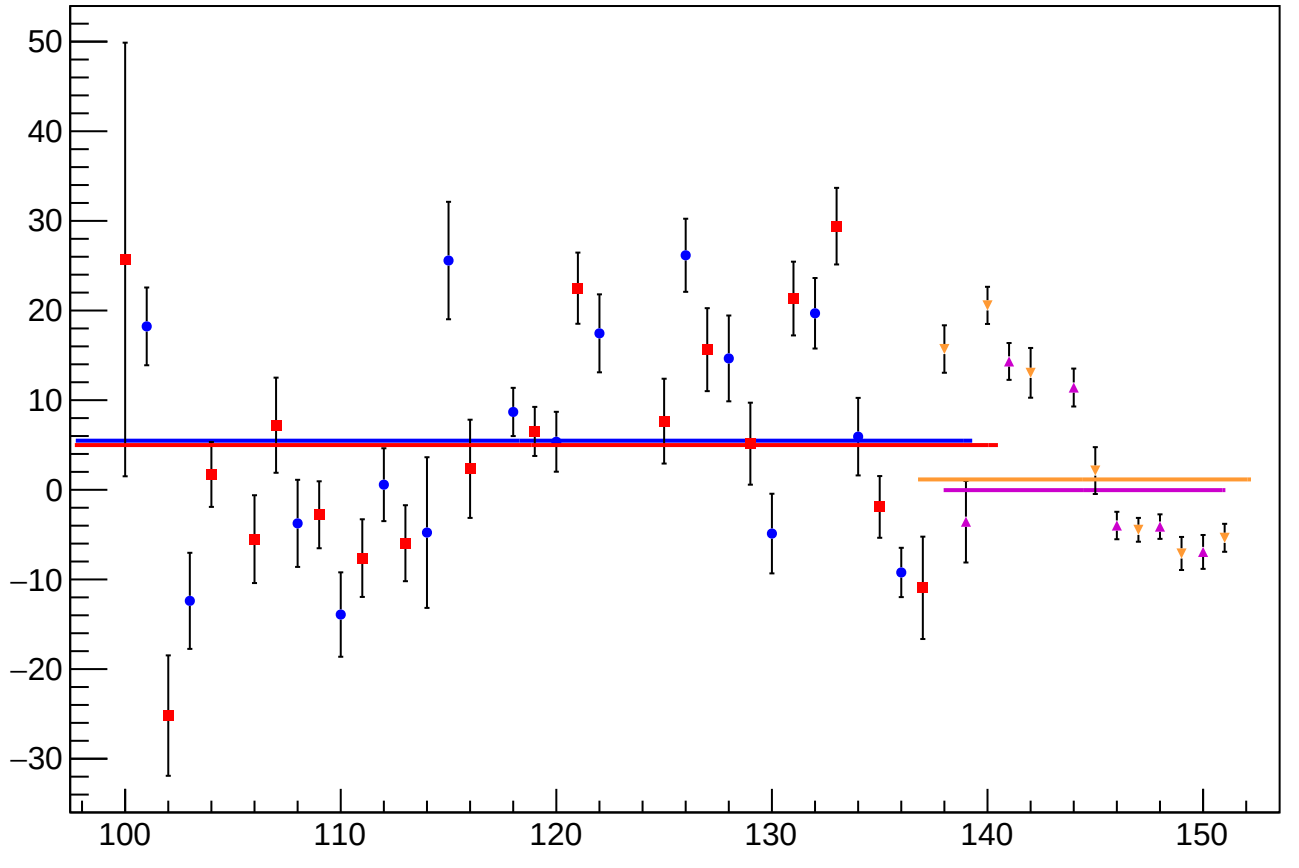
Left: -47.590+/-0.785 χ^2/NDF: 237.8/12

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 10.575+/-0.733 χ^2/NDF:5650.8/21

Out: 7.294+/-0.701 χ^2/NDF:6486.4/24

All: 8.862+/-0.507 χ^2/NDF: 12147.6/46



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.157+/-0.721 χ^2/NDF:191.8/6

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.036+/-0.756 χ^2/NDF:107.5/5

Left: 0.589+/-0.522 χ^2/NDF: 300.6/12

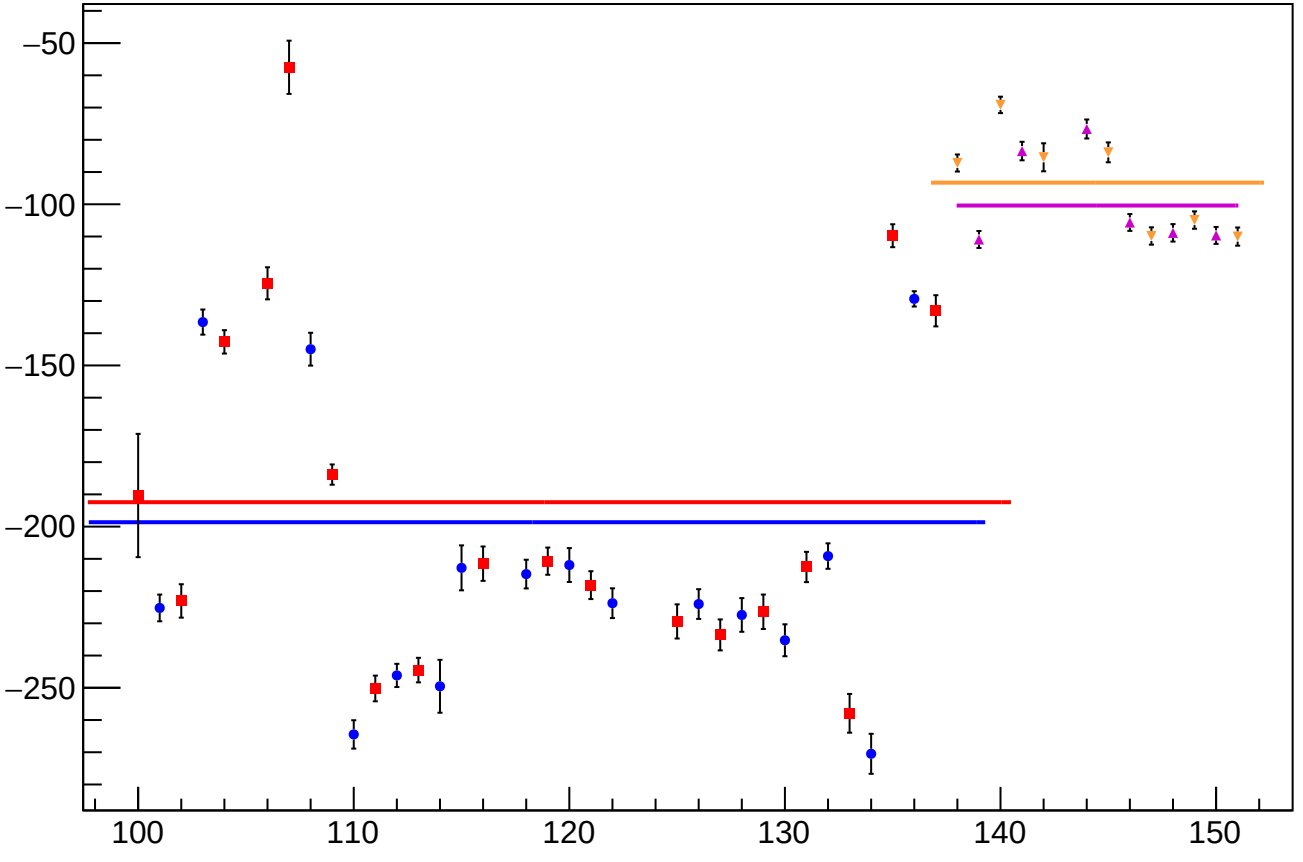
Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 1.917+/-0.608 χ^2/NDF:264.5/21

Out: 2.431+/-0.589 χ^2/NDF:333.1/24

All: 2.182+/-0.423 χ^2/NDF: 597.9/46

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -93.290+/-1.081 χ^2/NDF:198.7/6

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -100.393+/-1.112 χ^2/NDF:141.9/5

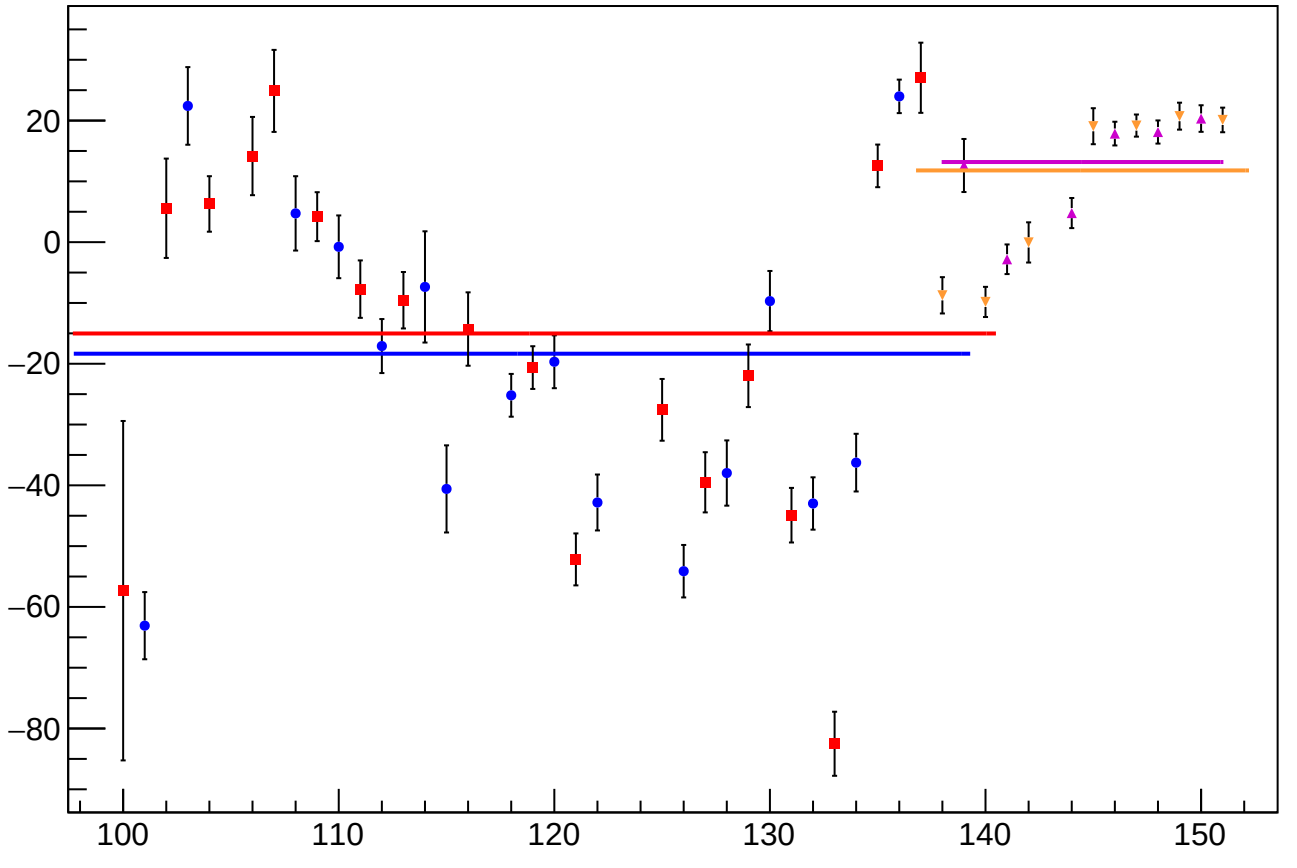
Left: -96.743+/-0.775 χ^2/NDF: 361.6/12

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -150.796+/-0.776 χ^2/NDF:6149.1/21

Out: -142.939+/-0.764 χ^2/NDF:6545.9/24

All: -146.807+/-0.544 χ^2/NDF: 12747.0/46


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
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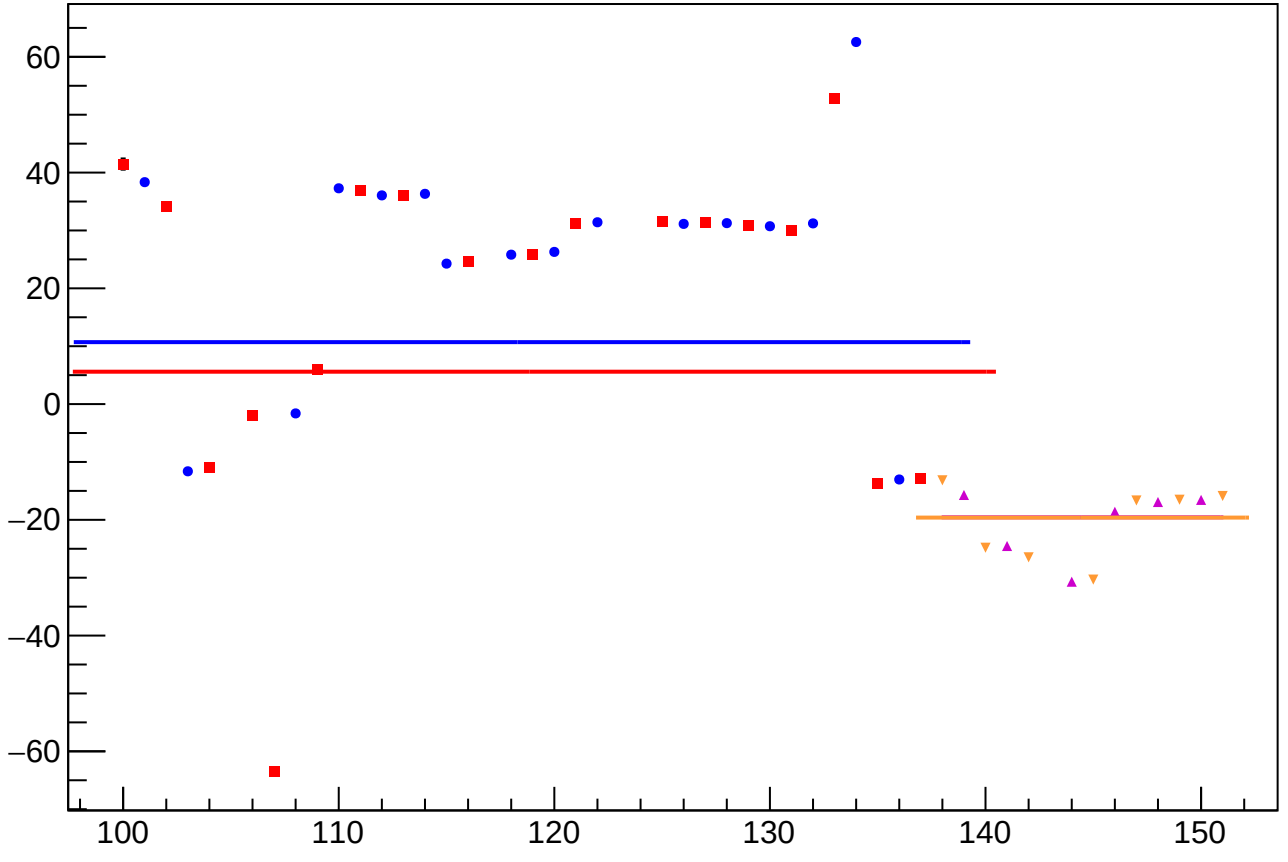
−60
−80
100
110
120
130
140
150
Right In: -18.348+/-1.159 χ²/NDF: 543.9/15
Left Out: 11.799+/-0.902 χ²/NDF:191.6/6
Right Out: -15.021+/-1.162 χ²/NDF: 546.4/17
Left In: 13.182+/-0.940 χ²/NDF:77.7/5
Left: 12.462+/-0.651 χ²/NDF: 270.5/12
Right: -16.688+/-0.821 χ²/NDF: 1094.5/33
In: 0.678+/-0.730 χ²/NDF:1068.0/21
Out: 1.713+/-0.712 χ²/NDF:1070.6/24
All: 1.208+/-0.510 χ²/NDF: 2139.6/46

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -19.613+/-0.045 χ^2/NDF:17706.1/6

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.567+/-0.045 χ^2/NDF:12056.0/5

Left: -19.590+/-0.032 χ^2/NDF: 29762.7/12

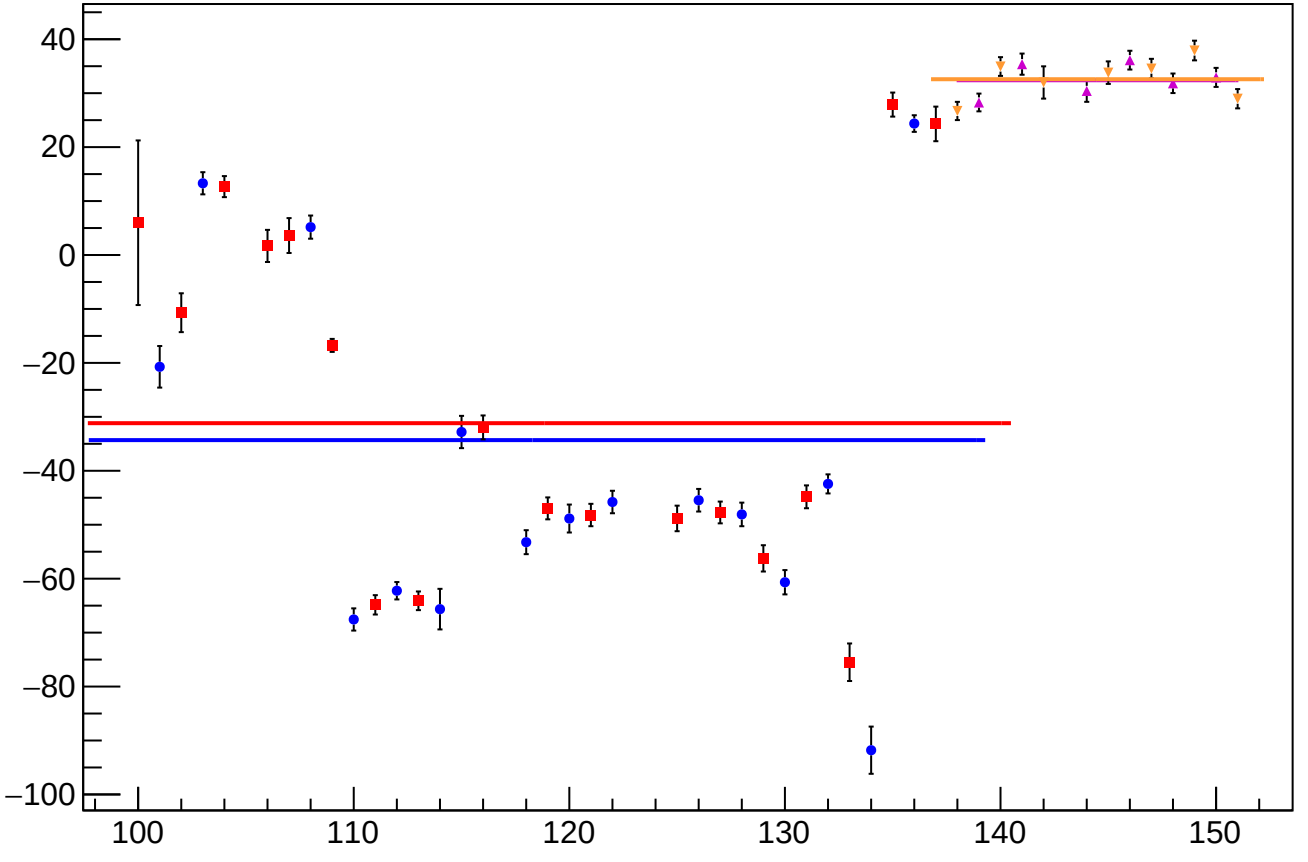
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -9.333+/-0.037 χ^2/NDF:330208.5/21

Out: -11.282+/-0.037 χ^2/NDF:277796.3/24

All: -10.307+/-0.026 χ^2/NDF: 609424.2/46

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: 32.585+/-0.718 χ^2/NDF:28.1/6

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 32.396+/-0.740 χ^2/NDF:14.3/5

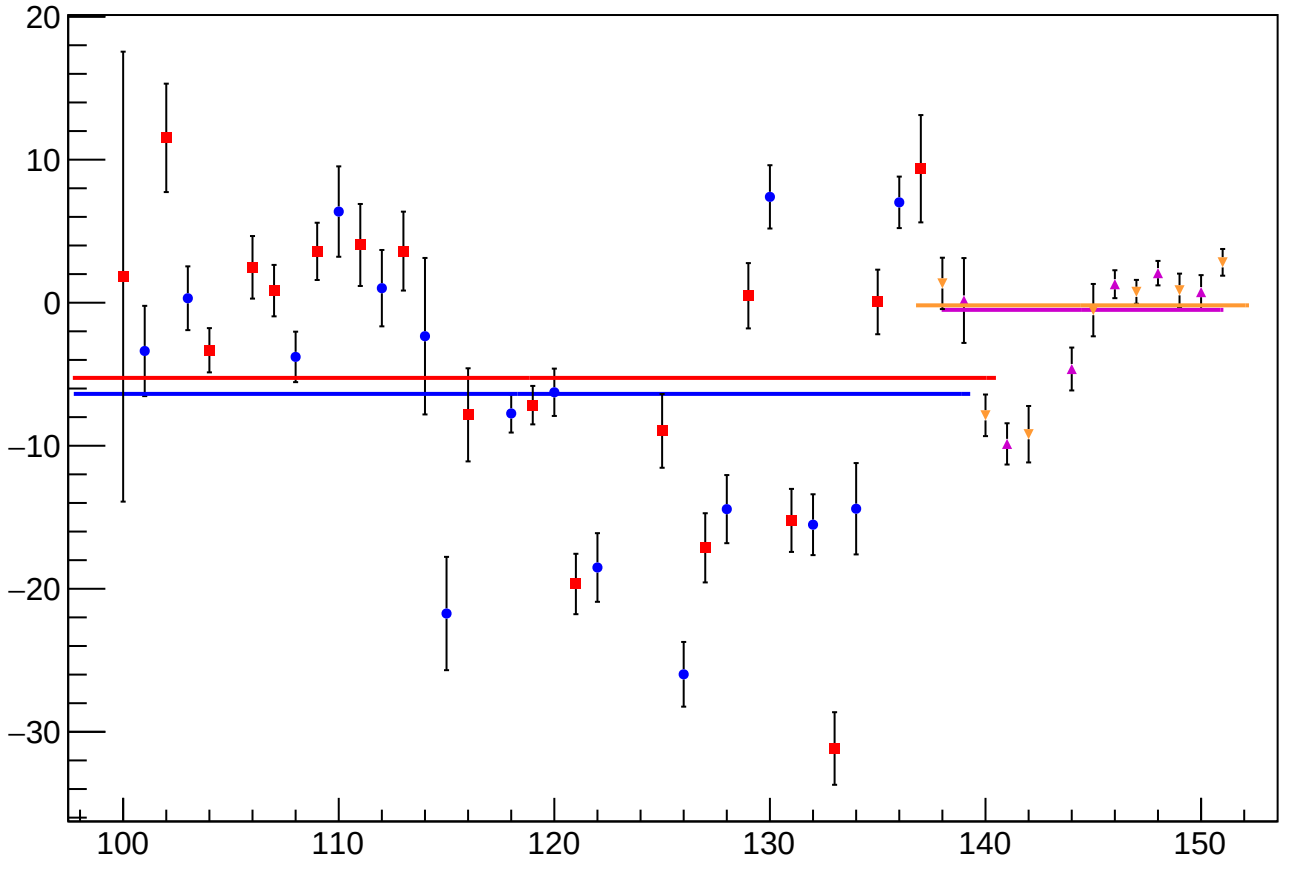
Left: 32.493+/-0.515 χ^2/NDF: 42.4/12

Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -10.682+/-0.440 χ^2/NDF:8768.7/21

Out: -9.477+/-0.419 χ^2/NDF:8429.7/24

All: -10.050+/-0.303 χ^2/NDF: 17202.4/46



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.184+/-0.464 χ^2/NDF:62.0/6

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -0.500+/-0.490 χ^2/NDF:63.3/5

Left: -0.333+/-0.337 χ^2/NDF: 125.5/12

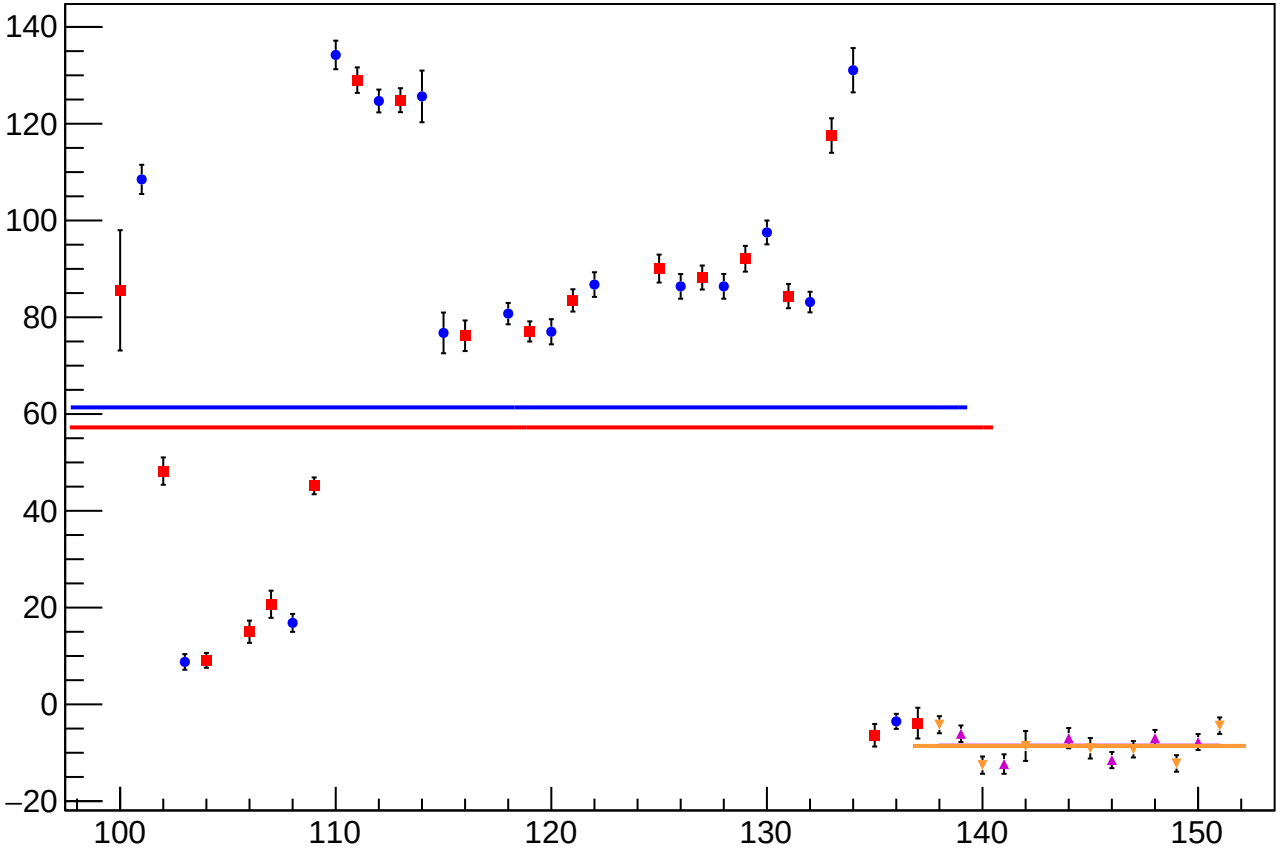
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -3.082+/-0.367 χ^2/NDF:410.1/21

Out: -2.371+/-0.350 χ^2/NDF:426.6/24

All: -2.709+/-0.253 χ^2/NDF: 838.6/46

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: -8.587+/-0.707 χ^2/NDF:21.8/6

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.535+/-0.727 χ^2/NDF:10.4/5

Left: -8.561+/-0.507 χ^2/NDF: 32.3/12

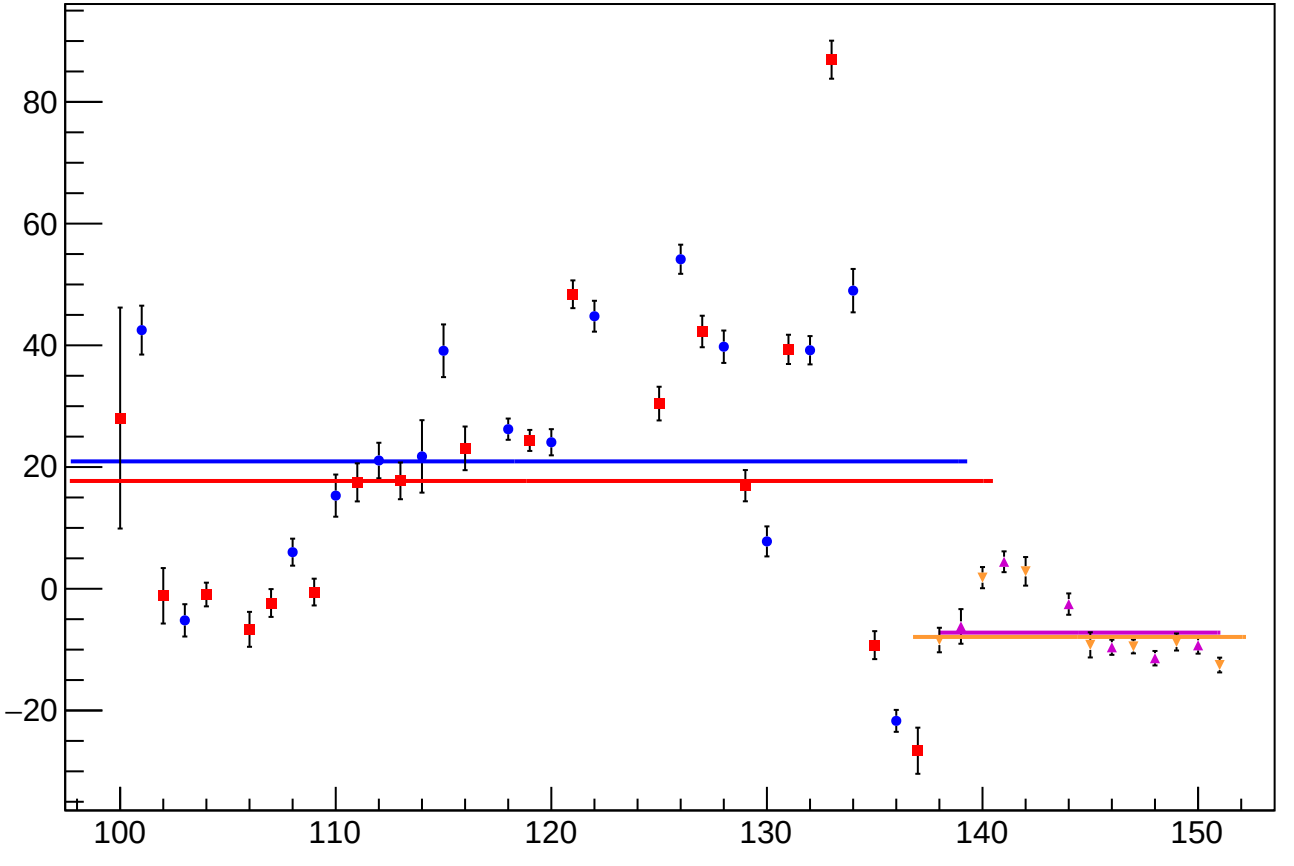
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 33.376+/-0.460 χ^2/NDF:11619.7/21

Out: 30.760+/-0.449 χ^2/NDF:10467.4/24

All: 32.035+/-0.321 χ^2/NDF: 22103.7/46

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -7.917+/-0.583 χ^2/NDF:69.5/6

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -7.206+/-0.612 χ^2/NDF:72.1/5

Left: -7.579+/-0.422 χ^2/NDF: 142.4/12

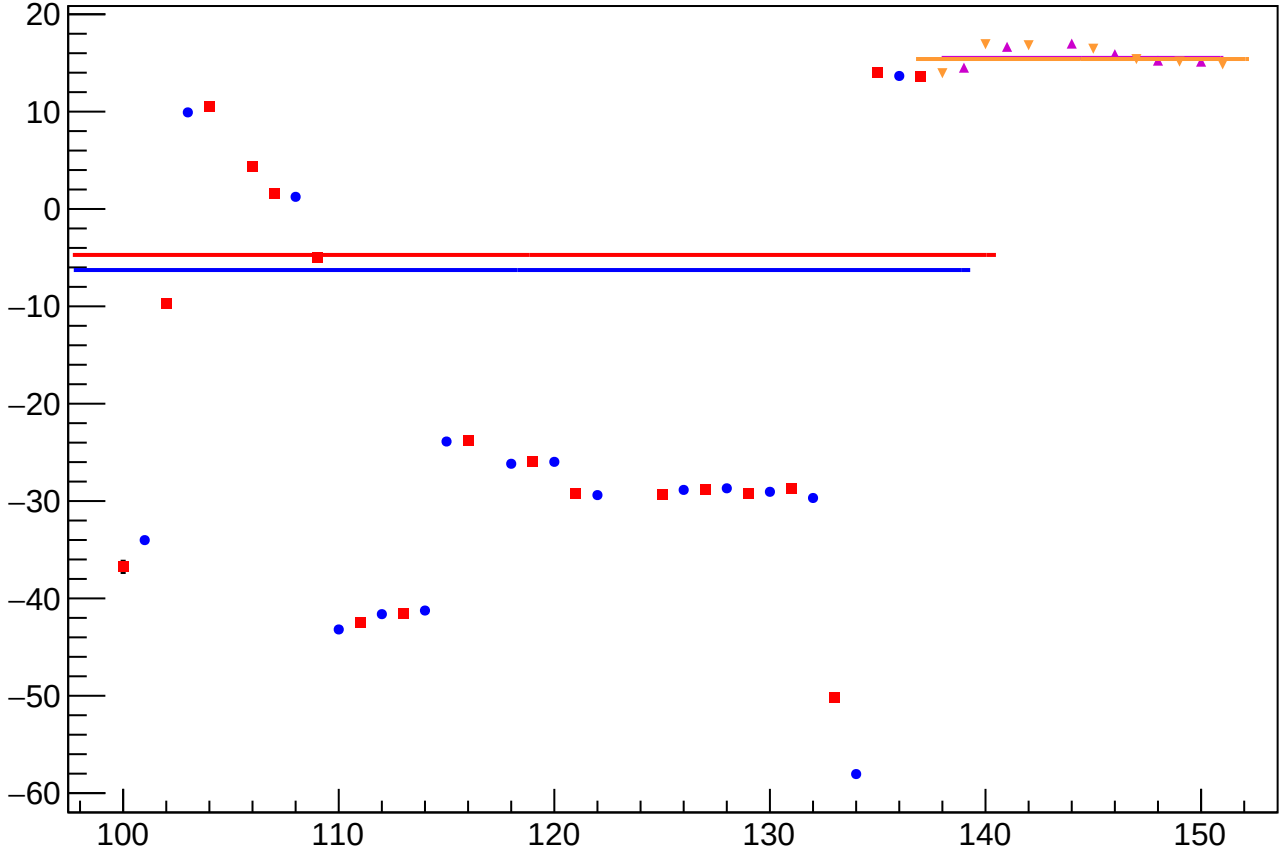
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 6.222+/-0.442 χ^2/NDF:2327.5/21

Out: 4.143+/-0.424 χ^2/NDF:2461.5/24

All: 5.139+/-0.306 χ^2/NDF: 4800.6/46

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.404+/-0.029 χ^2/NDF:1183.5/6

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.519+/-0.029 χ^2/NDF:789.0/5

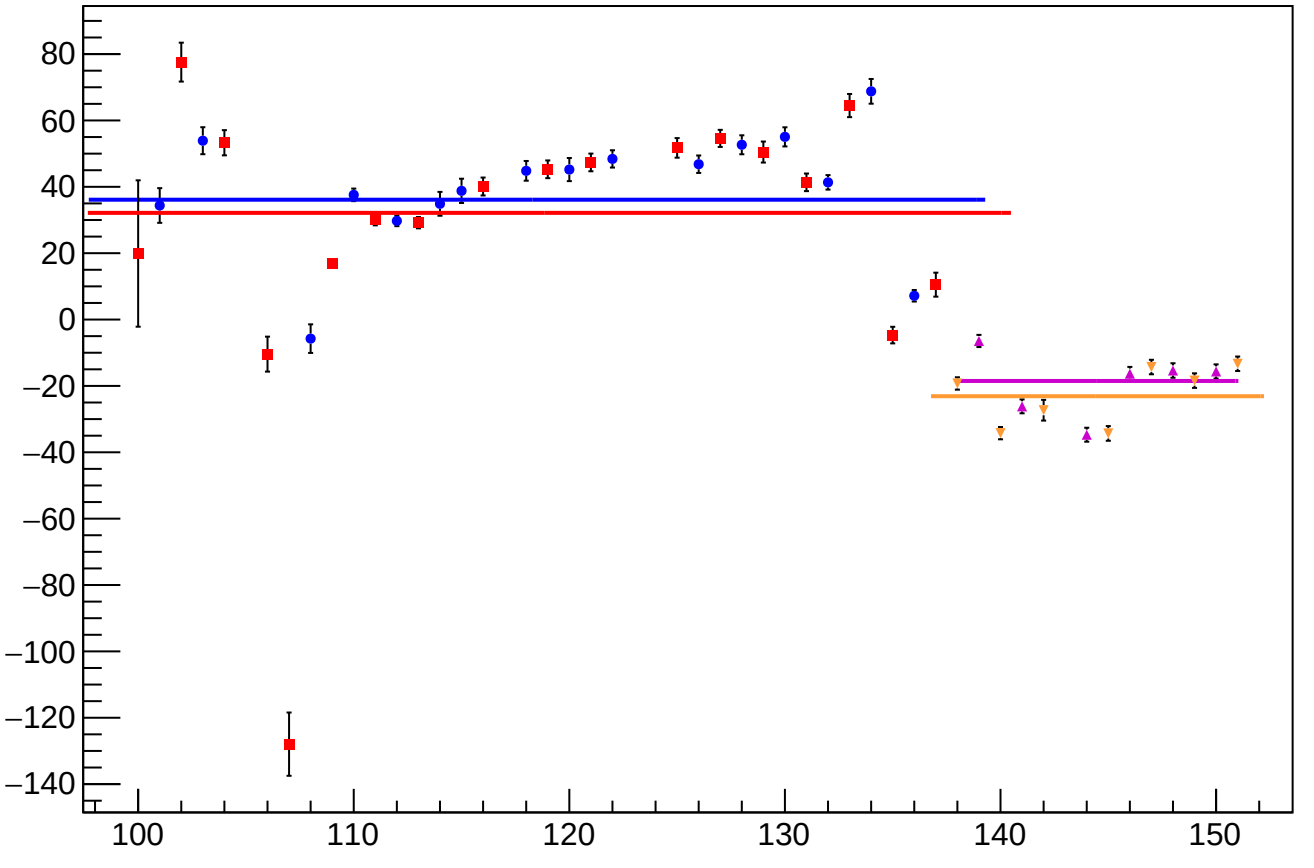
Left: 15.462+/-0.021 χ^2/NDF: 1980.2/12

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 6.040+/-0.022 χ^2/NDF:651480.6/21

Out: 6.779+/-0.022 χ^2/NDF:511744.2/24

All: 6.409+/-0.016 χ^2/NDF: 1163787.2/46



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -23.102+/-0.813 χ^2/NDF:108.8/6

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -18.506+/-0.838 χ^2/NDF:120.9/5

Left: -20.874+/-0.584 χ^2/NDF: 245.2/12

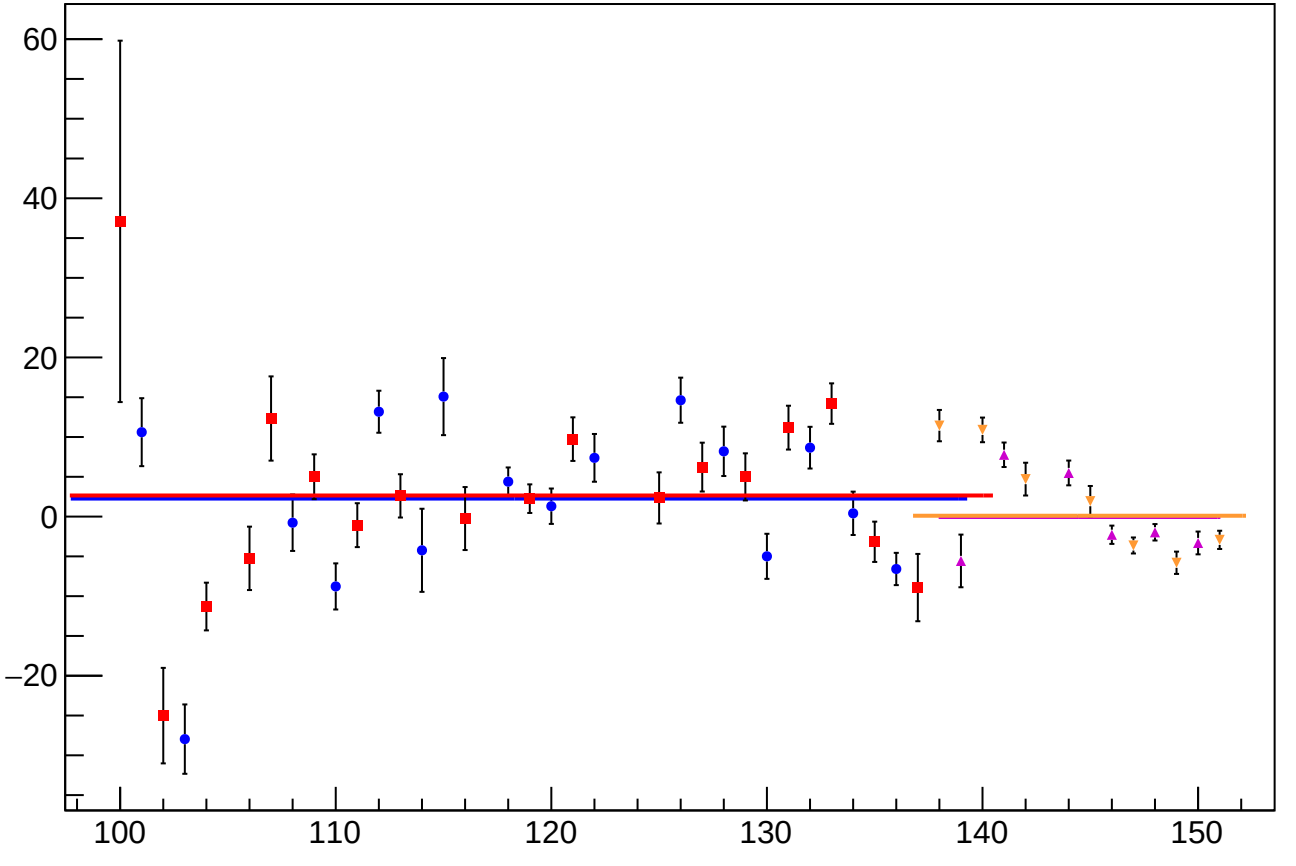
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 15.356+/-0.517 χ^2/NDF:3375.7/21

Out: 11.399+/-0.498 χ^2/NDF:4106.5/24

All: 13.305+/-0.359 χ^2/NDF: 7512.6/46

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.106+/-0.539 χ^2/NDF:126.1/6

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.052+/-0.567 χ^2/NDF:53.7/5

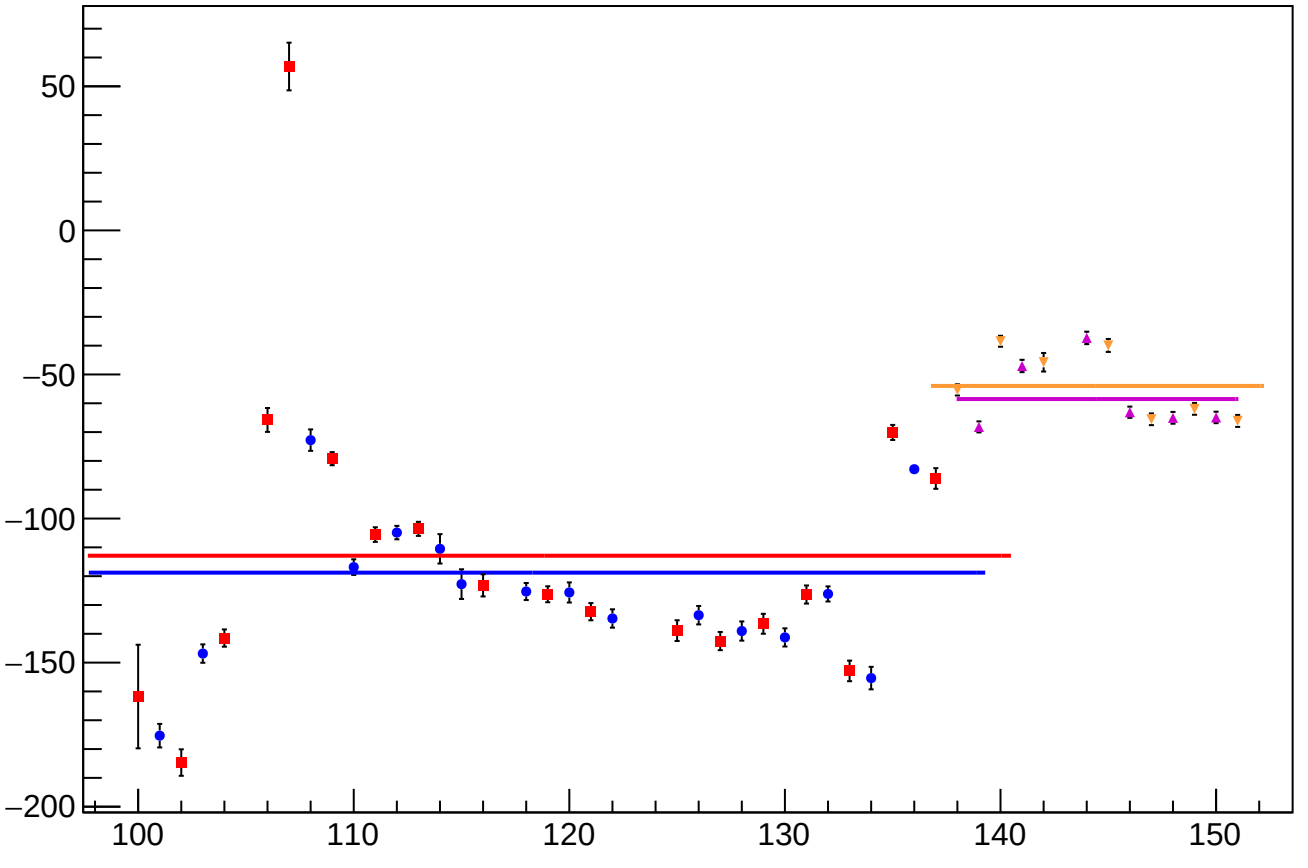
Left: 0.031+/-0.391 χ^2/NDF: 179.8/12

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.864+/-0.441 χ^2/NDF:212.3/21

Out: 1.028+/-0.430 χ^2/NDF:241.4/24

All: 0.948+/-0.308 χ^2/NDF: 453.8/46



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -53.978+/-0.805 χ^2/NDF:193.5/6

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.533+/-0.828 χ^2/NDF:176.0/5

Left: -56.193+/-0.577 χ^2/NDF: 385.0/12

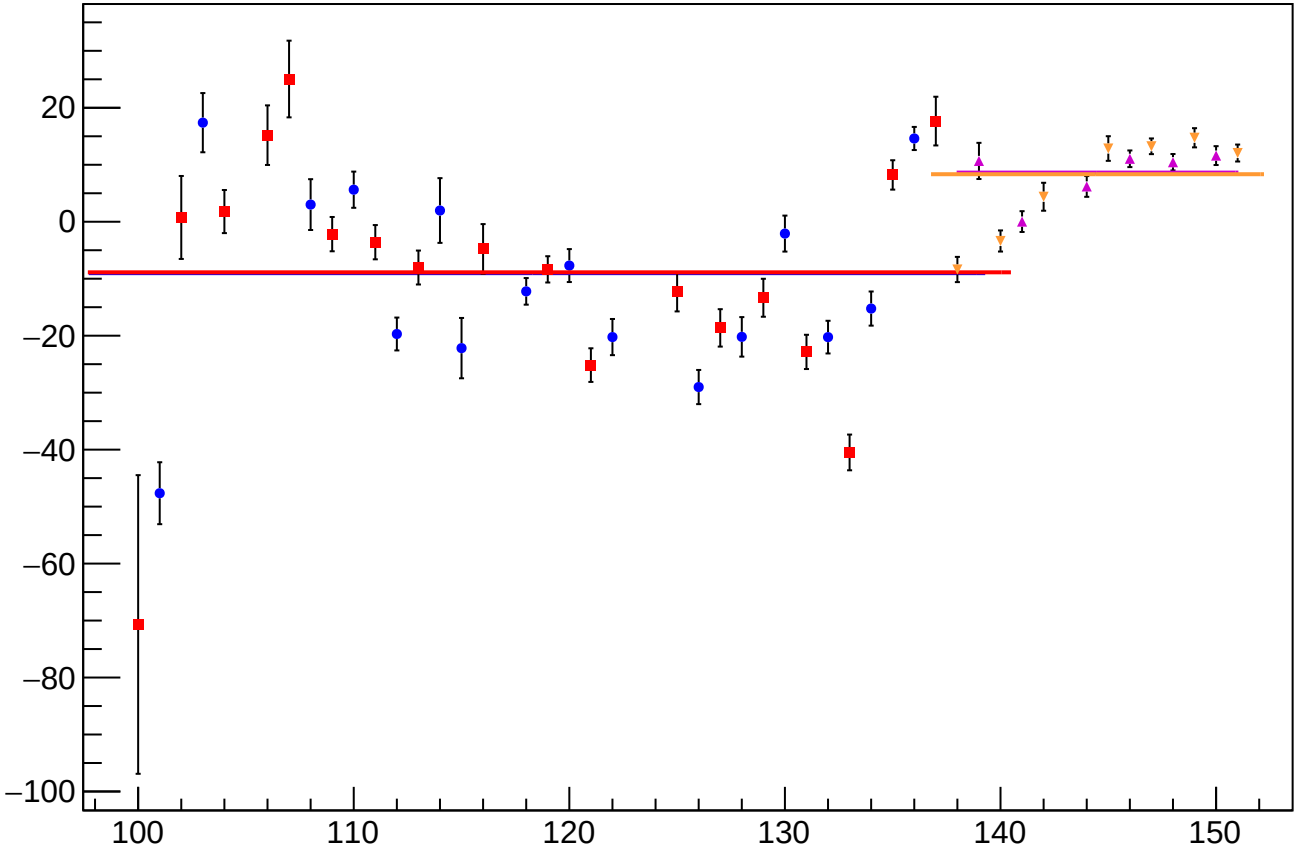
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -91.360+/-0.559 χ^2/NDF:4179.3/21

Out: -85.112+/-0.553 χ^2/NDF:4883.8/24

All: -88.205+/-0.393 χ^2/NDF: 9126.3/46

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.342+/-0.673 χ^2/NDF:137.3/6

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 8.625+/-0.704 χ^2/NDF:32.0/5

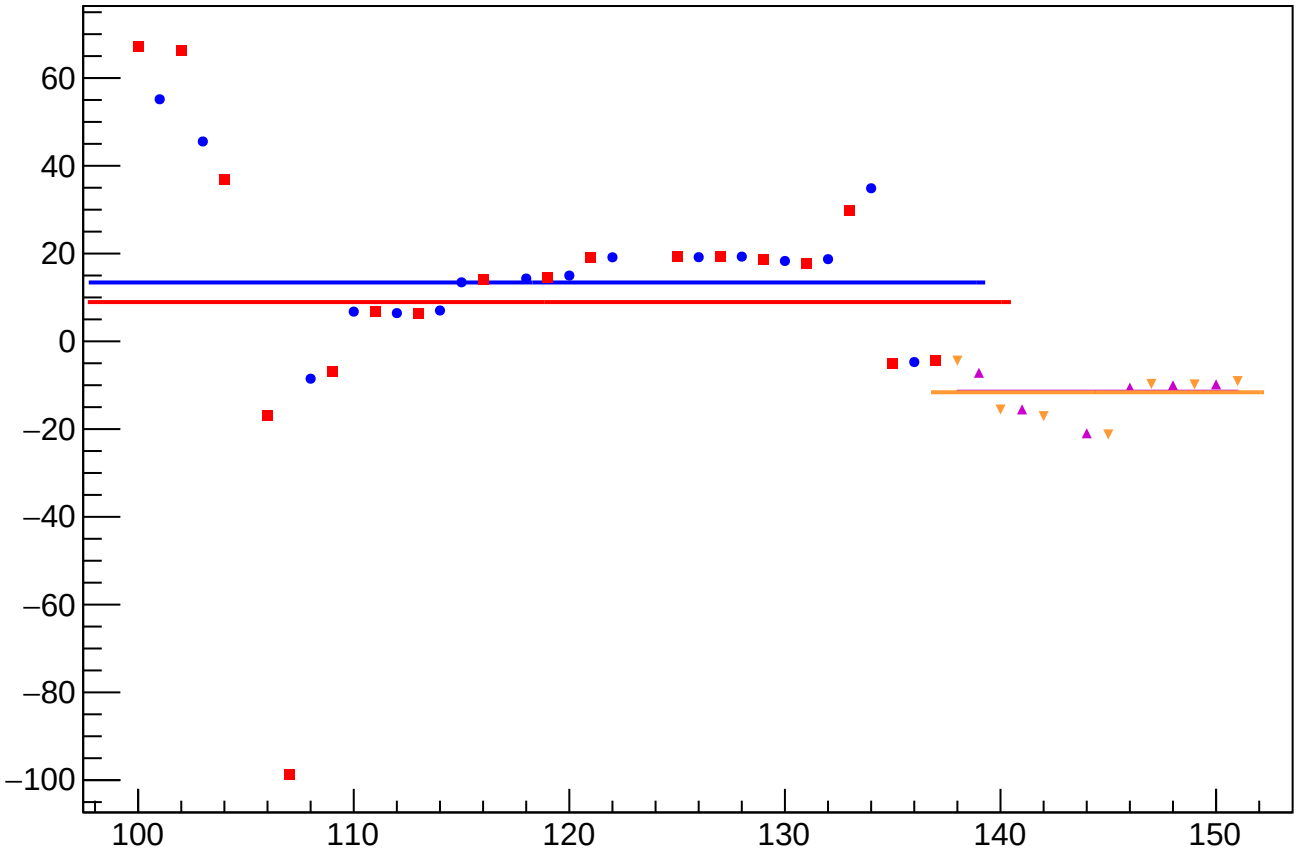
Left: 8.477+/-0.486 χ^2/NDF: 169.4/12

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 0.879+/-0.527 χ^2/NDF:666.0/21

Out: 1.311+/-0.518 χ^2/NDF:723.2/24

All: 1.098+/-0.369 χ^2/NDF: 1389.5/46



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.612+/-0.033 χ^2/NDF:26280.2/6

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.479+/-0.033 χ^2/NDF:16550.4/5

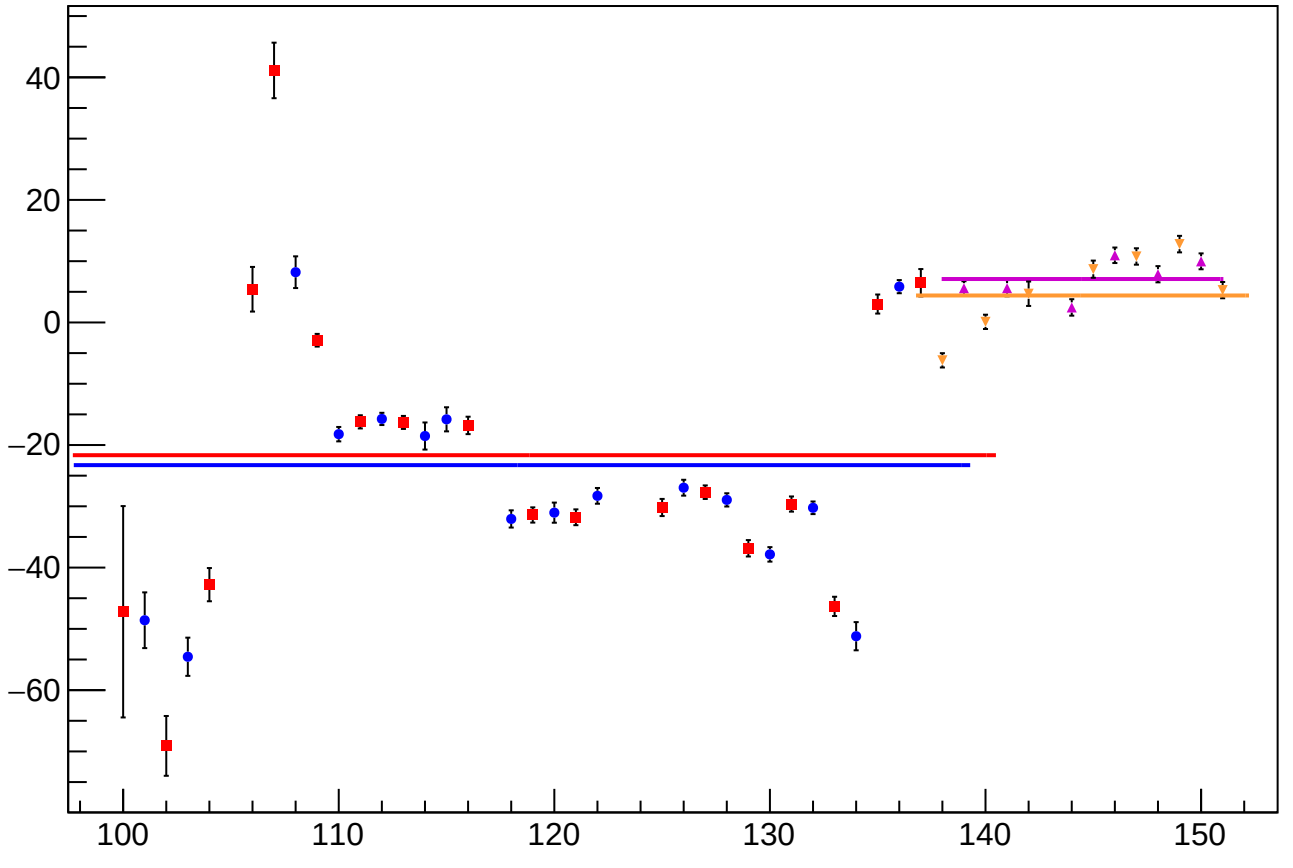
Left: -11.546+/-0.024 χ^2/NDF: 42838.5/12

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -2.695+/-0.027 χ^2/NDF:395792.9/21

Out: -4.837+/-0.027 χ^2/NDF:443484.5/24

All: -3.754+/-0.019 χ^2/NDF: 842411.2/46



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 4.402+/-0.506 χ^2/NDF:167.0/6

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.091+/-0.521 χ^2/NDF:29.6/5

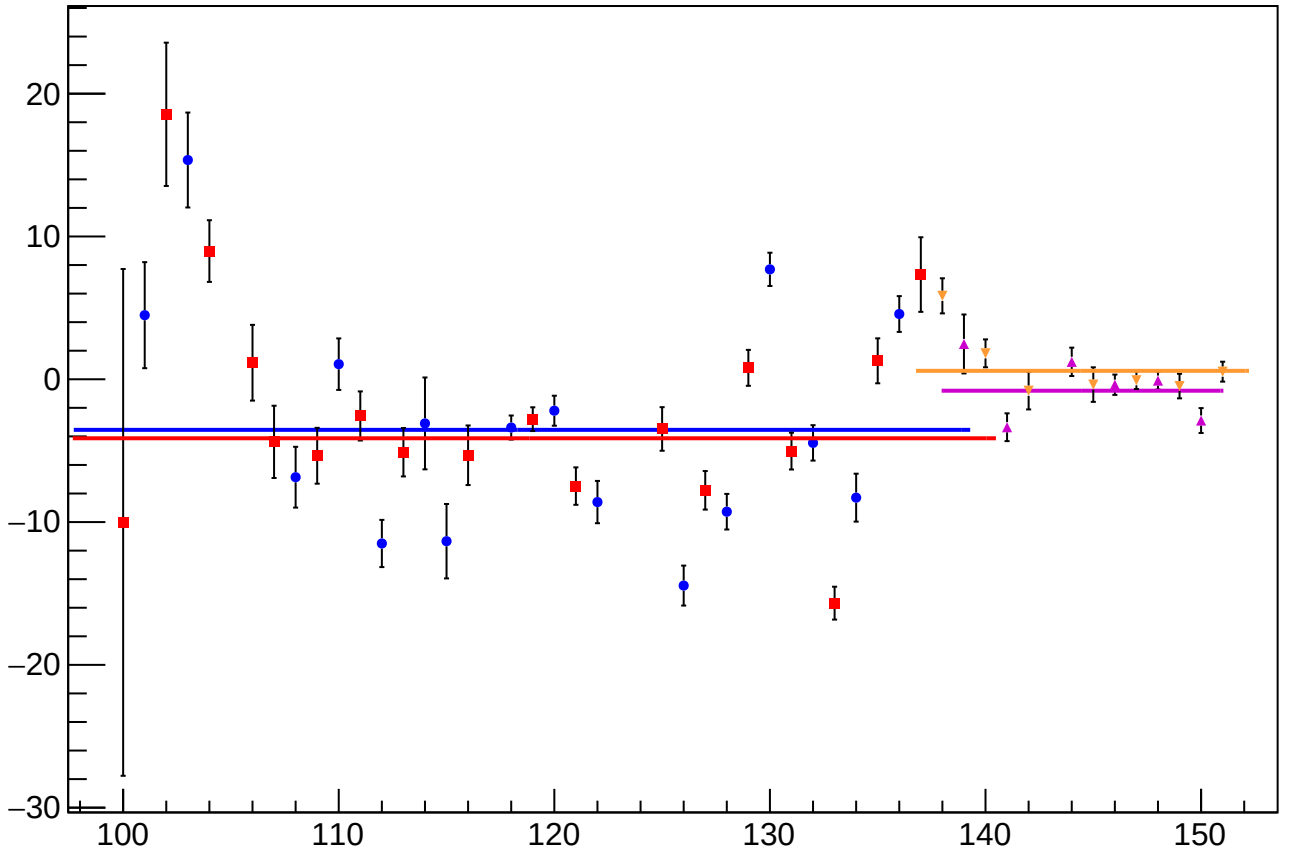
Left: 5.706+/-0.363 χ^2/NDF: 210.3/12

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -13.827+/-0.291 χ^2/NDF:3936.3/21

Out: -13.308+/-0.286 χ^2/NDF:3784.9/24

All: -13.563+/-0.204 χ^2/NDF: 7722.8/46



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.591+/-0.333 χ^2/NDF:24.3/6

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.801+/-0.350 χ^2/NDF:20.9/5

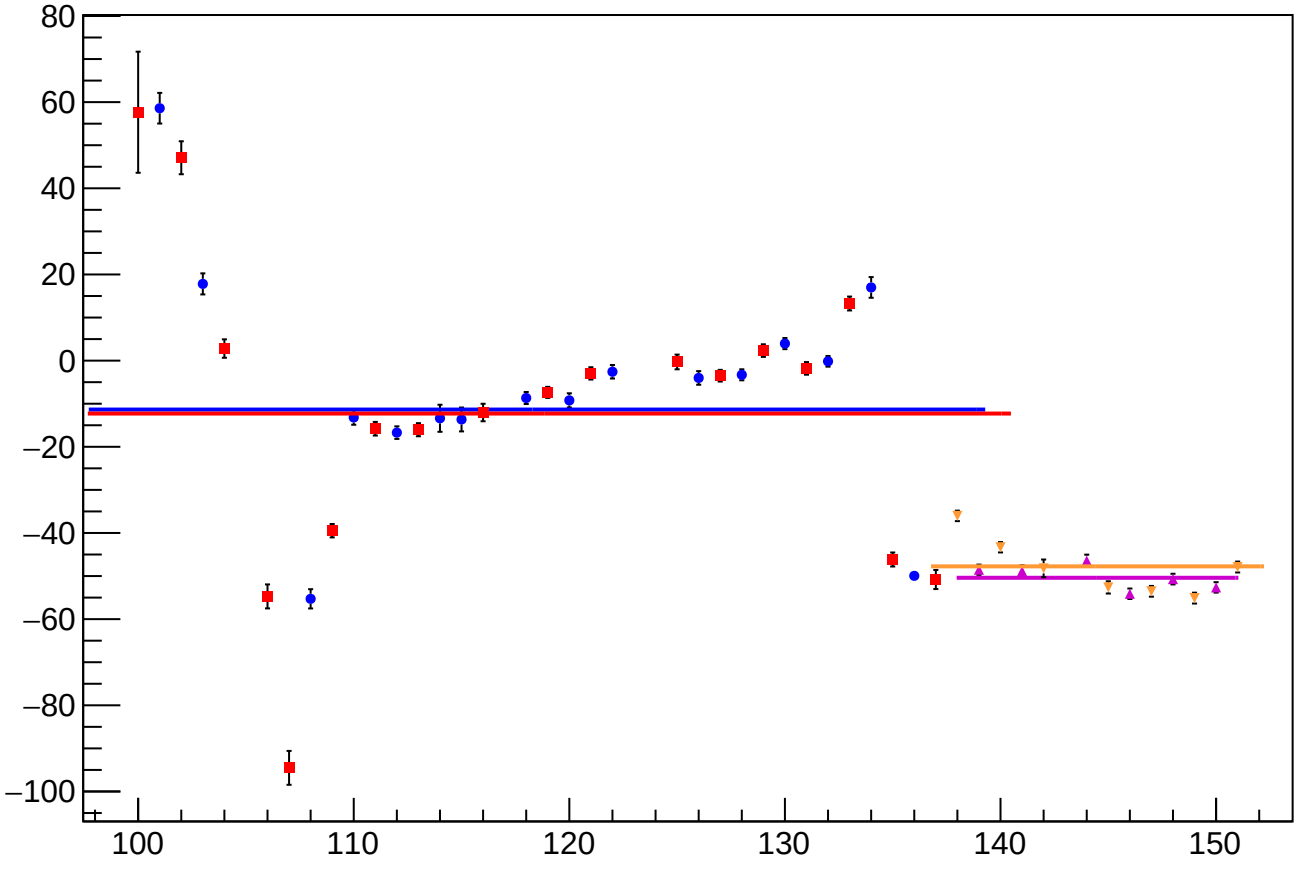
Left: -0.070+/-0.241 χ^2/NDF: 53.5/12

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.123+/-0.252 χ^2/NDF:367.2/21

Out: -1.518+/-0.248 χ^2/NDF:341.6/24

All: -1.816+/-0.177 χ^2/NDF: 711.8/46



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -47.751+/-0.500 χ^2/NDF:173.7/6

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.401+/-0.514 χ^2/NDF:24.9/5

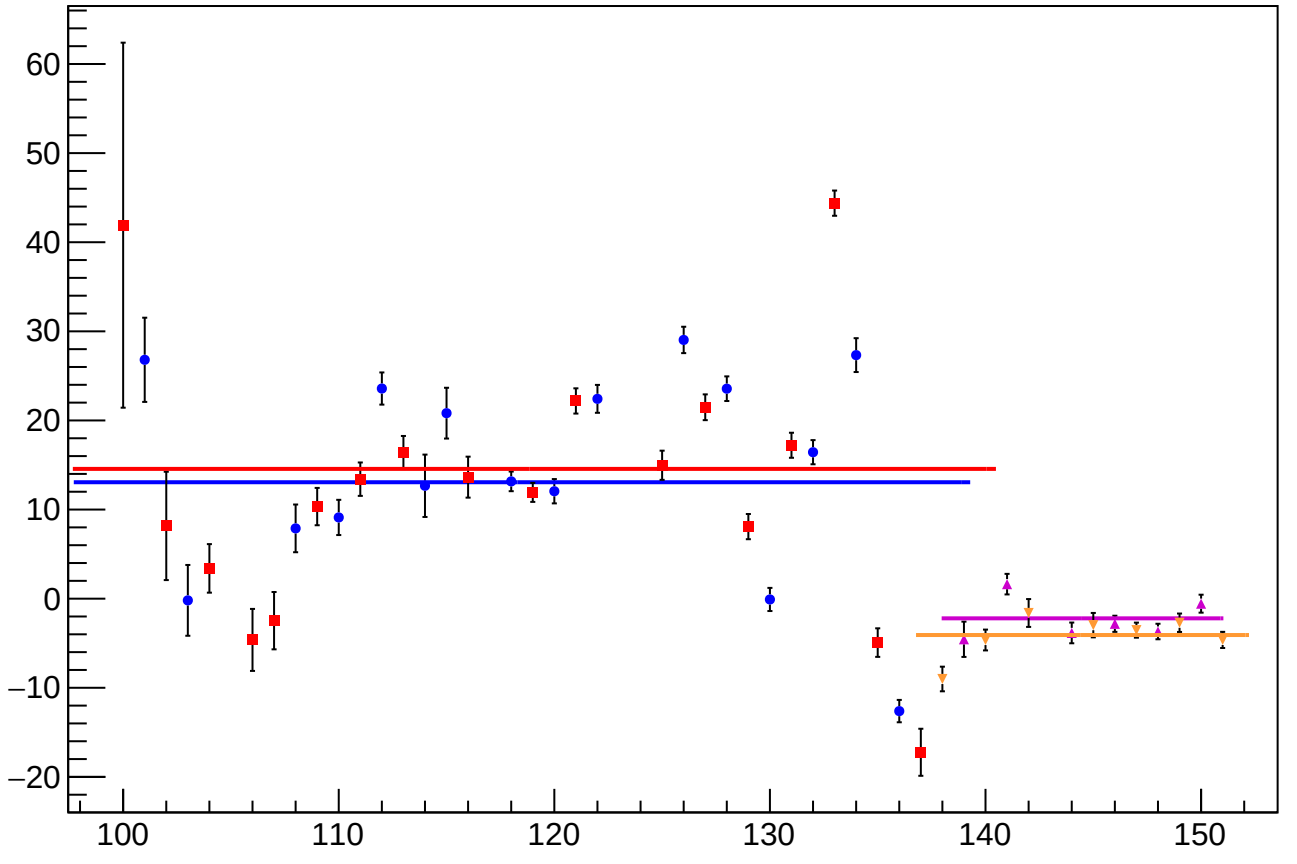
Left: -49.040+/-0.359 χ^2/NDF: 212.3/12

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -26.340+/-0.318 χ^2/NDF:6241.8/21

Out: -26.662+/-0.319 χ^2/NDF:5752.5/24

All: -26.501+/-0.225 χ^2/NDF: 11994.7/46



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -4.080+/-0.417 χ^2/NDF:18.7/6

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.208+/-0.436 χ^2/NDF:20.5/5

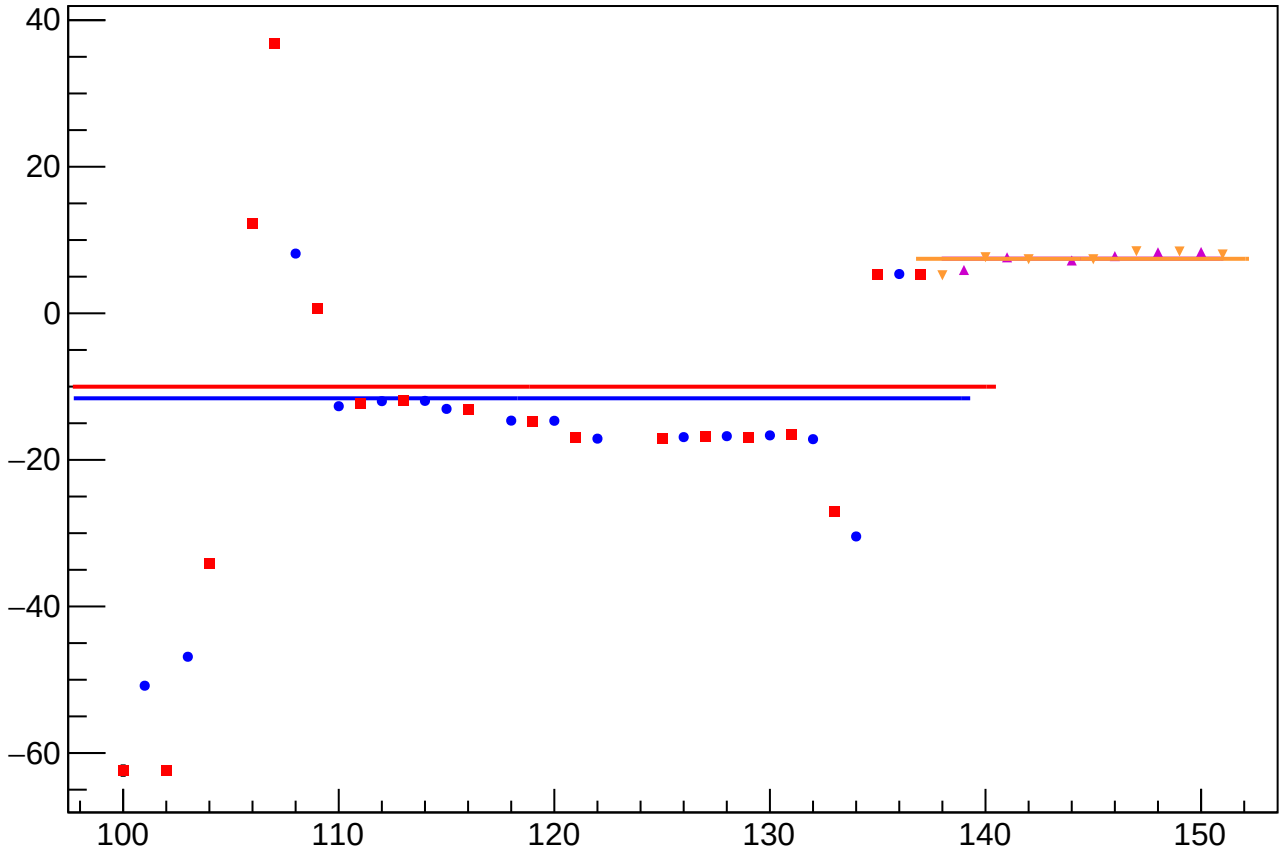
Left: -3.185+/-0.301 χ^2/NDF: 48.8/12

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 5.803+/-0.300 χ^2/NDF:1528.9/21

Out: 5.113+/-0.297 χ^2/NDF:1908.8/24

All: 5.454+/-0.211 χ^2/NDF: 3440.3/46



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.440+/-0.021 χ^2/NDF:3060.6/6

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.459+/-0.021 χ^2/NDF:2037.8/5

Left: 7.449+/-0.015 χ^2/NDF: 5098.9/12

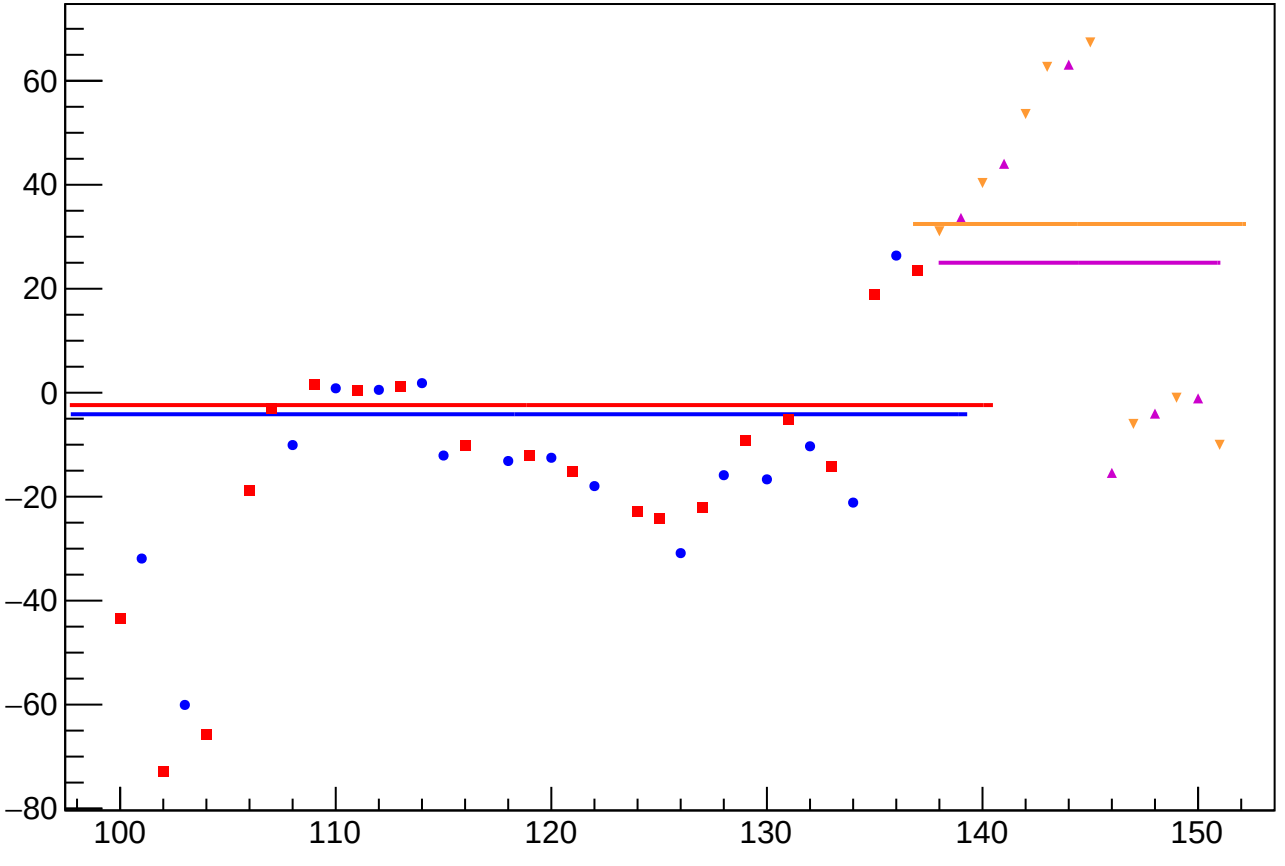
Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 0.154+/-0.016 χ^2/NDF:686008.0/21

Out: 1.132+/-0.017 χ^2/NDF:657532.2/24

All: 0.637+/-0.012 χ^2/NDF: 1345318.5/46

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 32.457+/-0.100 χ^2/NDF:62046.7/7

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 25.002+/-0.103 χ^2/NDF:64097.5/5

Left: 28.838+/-0.071 χ^2/NDF: 128863.5/13

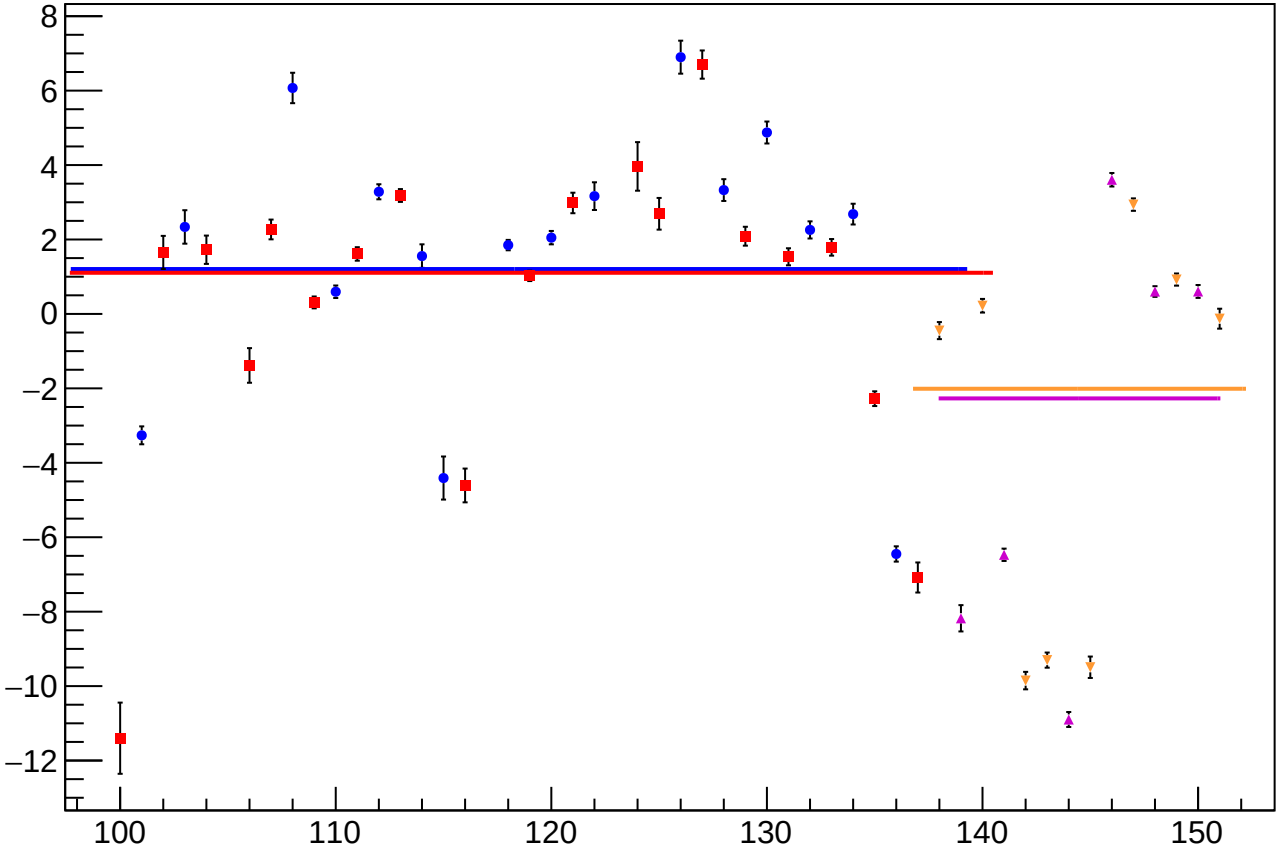
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 2.308+/-0.048 χ^2/NDF:202265.7/21

Out: 3.773+/-0.042 χ^2/NDF:243542.8/26

All: 3.144+/-0.032 χ^2/NDF: 446334.9/48

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: -2.010+/-0.073 χ^2/NDF:4514.0/7

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -2.270+/-0.074 χ^2/NDF:4484.9/5

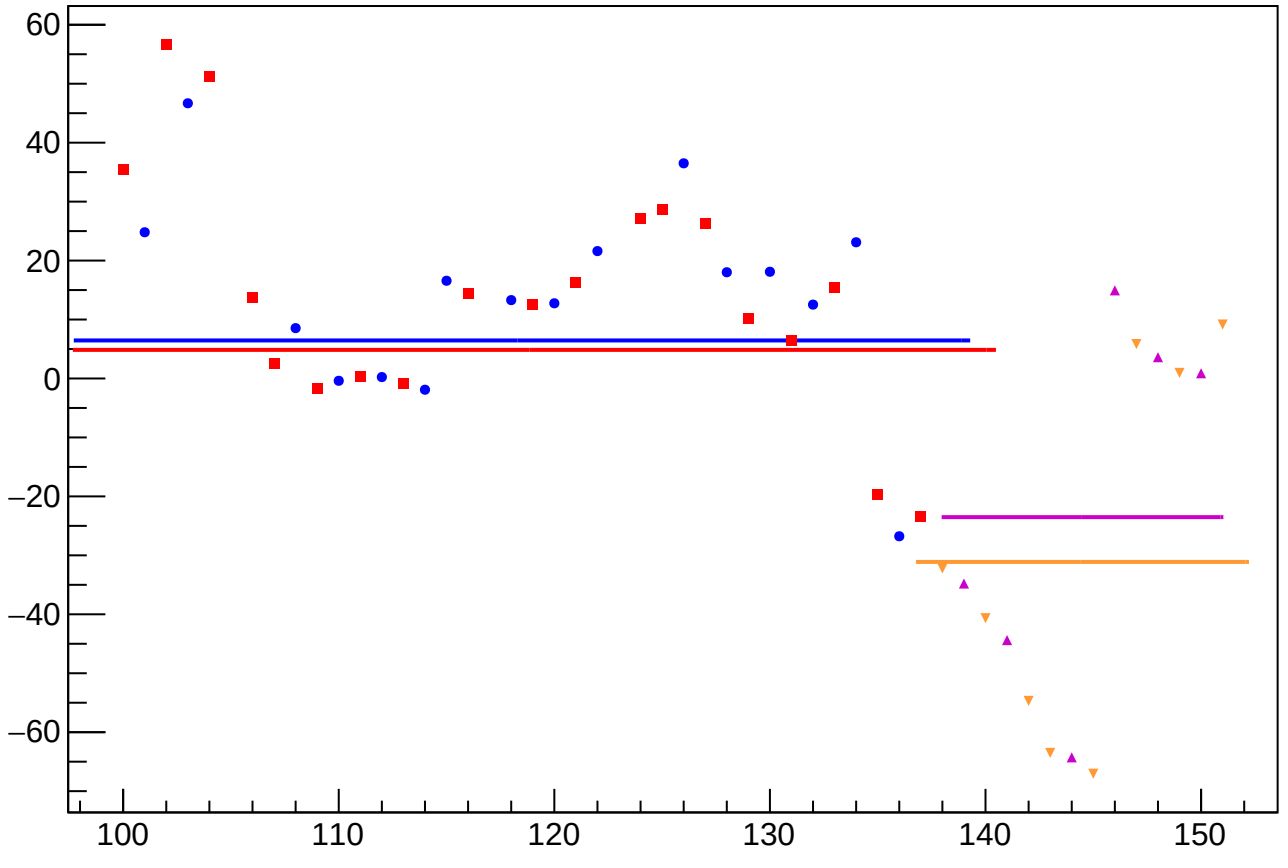
Left: -2.137+/-0.052 χ^2/NDF: 9005.2/13

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: -0.179+/-0.047 χ^2/NDF:8387.6/21

Out: -0.090+/-0.045 χ^2/NDF:7239.3/26

All: -0.133+/-0.032 χ^2/NDF: 15628.8/48



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -31.117+/-0.100 χ^2/NDF:65777.3/7

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -23.518+/-0.102 χ^2/NDF:67606.0/5

Left: -27.392+/-0.071 χ^2/NDF: 136209.9/13

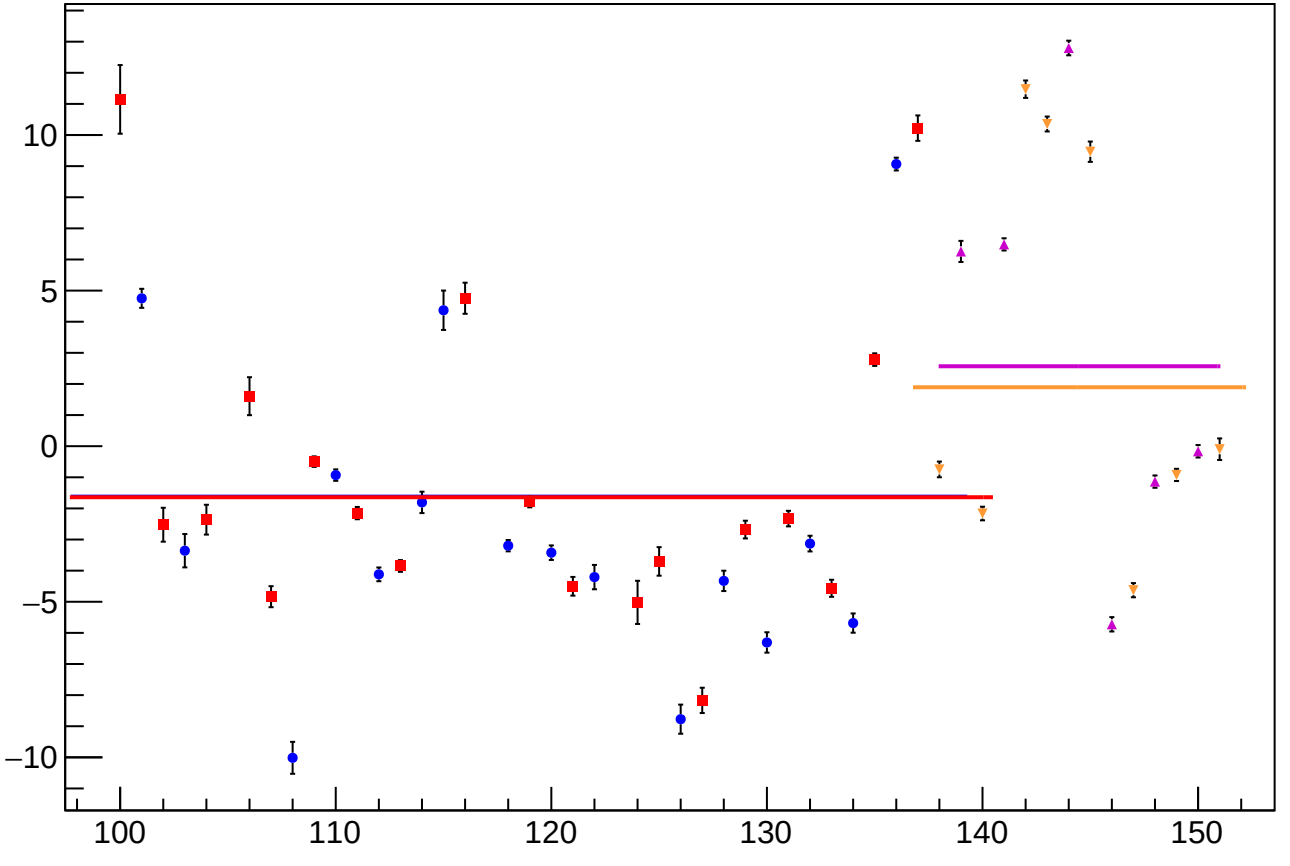
Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -2.237+/-0.055 χ^2/NDF:199521.1/21

Out: -4.461+/-0.051 χ^2/NDF:236791.6/26

All: -3.433+/-0.037 χ^2/NDF: 437193.6/48

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 1.894+/-0.088 χ^2/NDF:4461.4/7

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 2.569+/-0.091 χ^2/NDF:4227.7/5

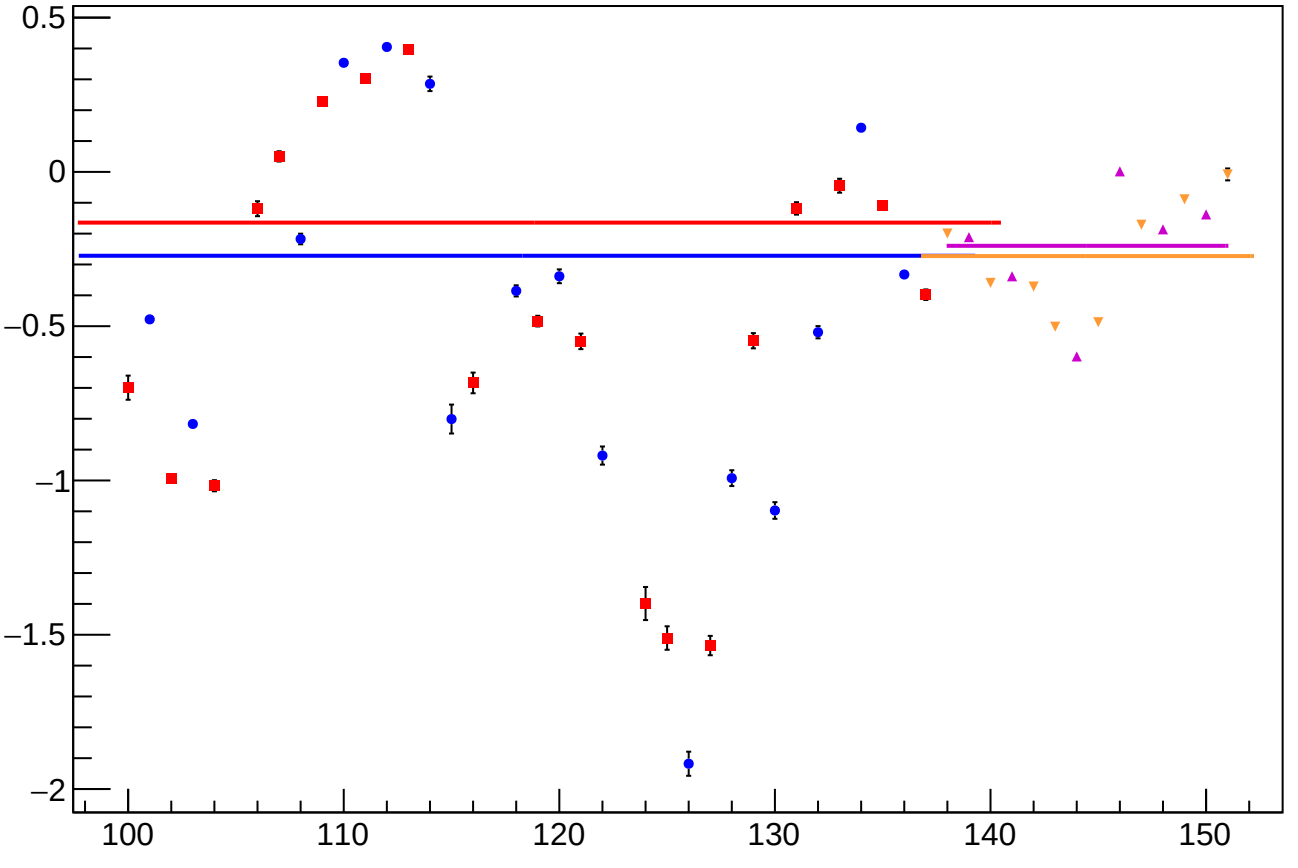
Left: 2.221+/-0.063 χ^2/NDF: 8717.7/13

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.067+/-0.055 χ^2/NDF:10098.4/21

Out: -0.401+/-0.052 χ^2/NDF:7973.8/26

All: -0.244+/-0.038 χ^2/NDF: 18091.7/48



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.273+/-0.004 χ^2/NDF:1385.0/7

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.240+/-0.004 χ^2/NDF:1398.4/5

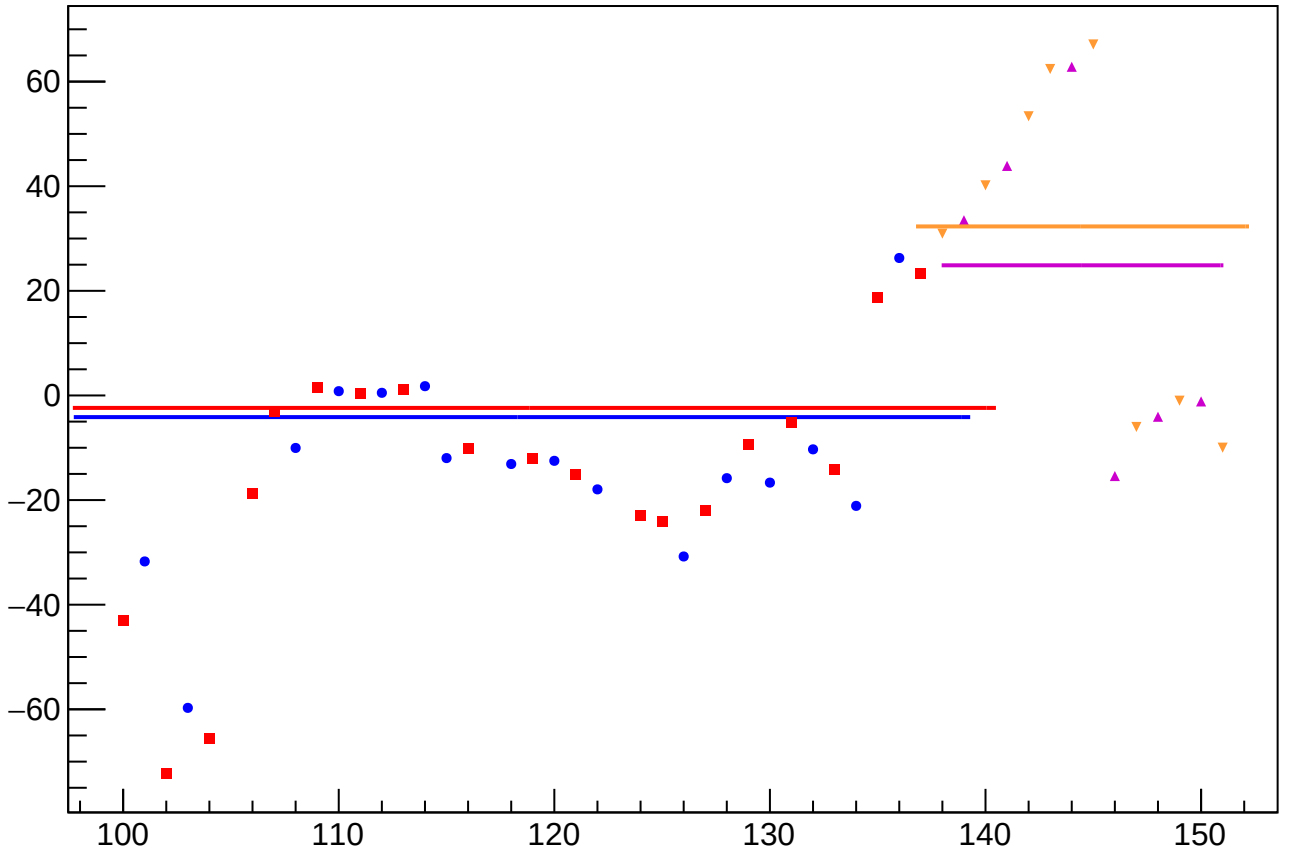
Left: -0.256+/-0.003 χ^2/NDF: 2816.5/13

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.255+/-0.003 χ^2/NDF:13477.4/21

Out: -0.214+/-0.003 χ^2/NDF:17257.4/26

All: -0.234+/-0.002 χ^2/NDF: 30838.3/48



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 32.312+/-0.099 χ^2/NDF:62011.0/7

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 24.880+/-0.102 χ^2/NDF:64129.9/5

Left: 28.705+/-0.071 χ^2/NDF: 128861.6/13

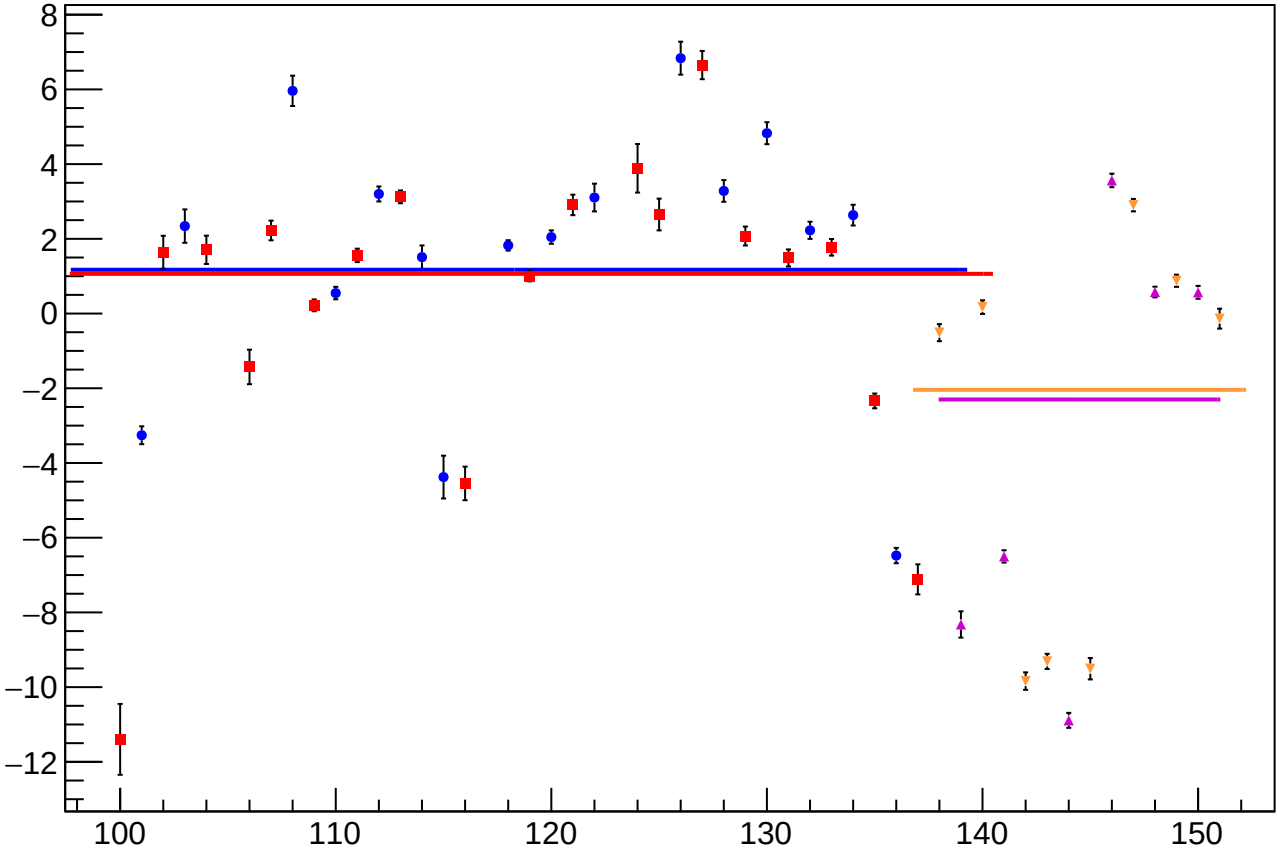
Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 2.256+/-0.048 χ^2/NDF:202201.0/21

Out: 3.718+/-0.042 χ^2/NDF:243347.0/26

All: 3.090+/-0.031 χ^2/NDF: 446077.8/48

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -2.041+/-0.072 χ^2/NDF:4513.9/7

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -2.300+/-0.074 χ^2/NDF:4504.7/5

Left: -2.168+/-0.052 χ^2/NDF: 9024.9/13

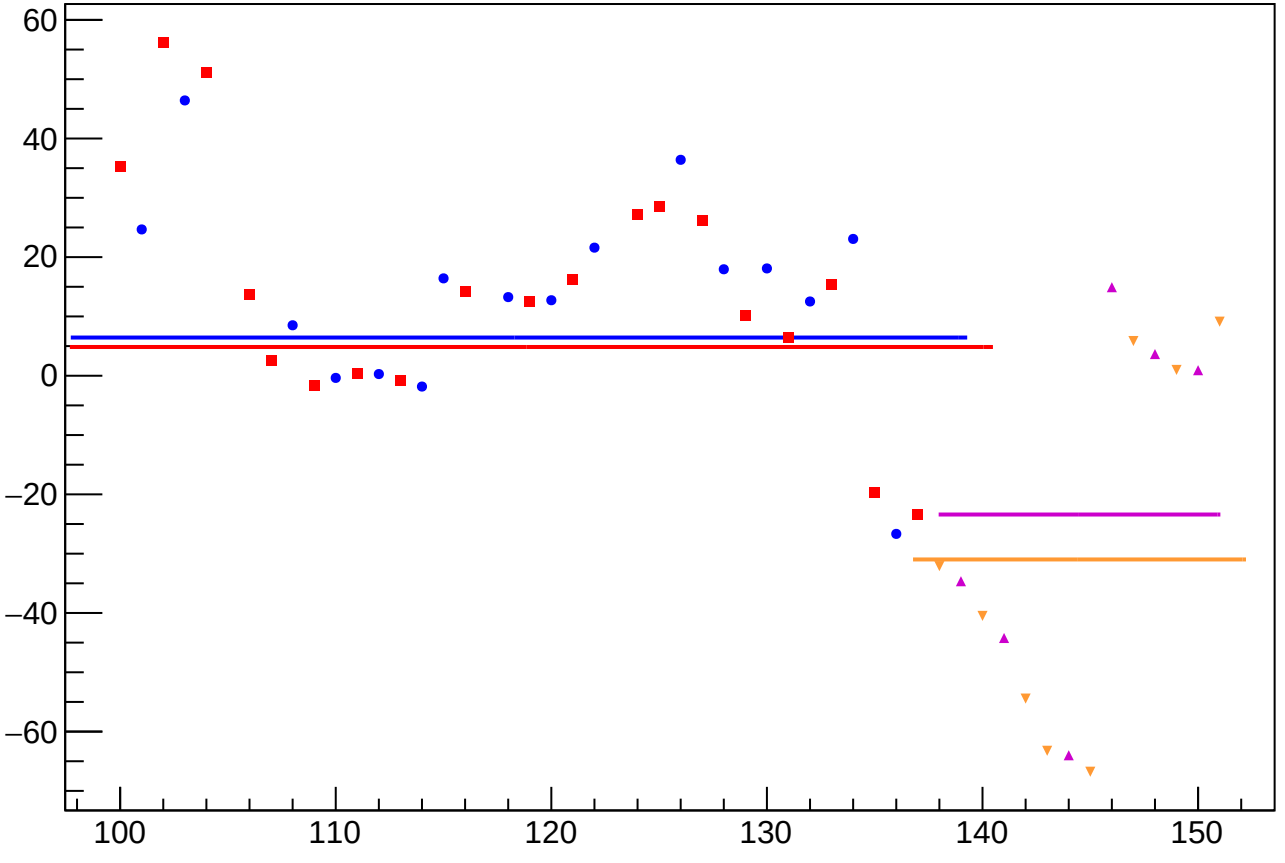
Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: -0.208+/-0.047 χ^2/NDF:8415.6/21

Out: -0.126+/-0.045 χ^2/NDF:7248.6/26

All: -0.165+/-0.032 χ^2/NDF: 15665.8/48

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -30.976+/-0.100 χ^2/NDF:65735.1/7

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -23.399+/-0.102 χ^2/NDF:67628.4/5

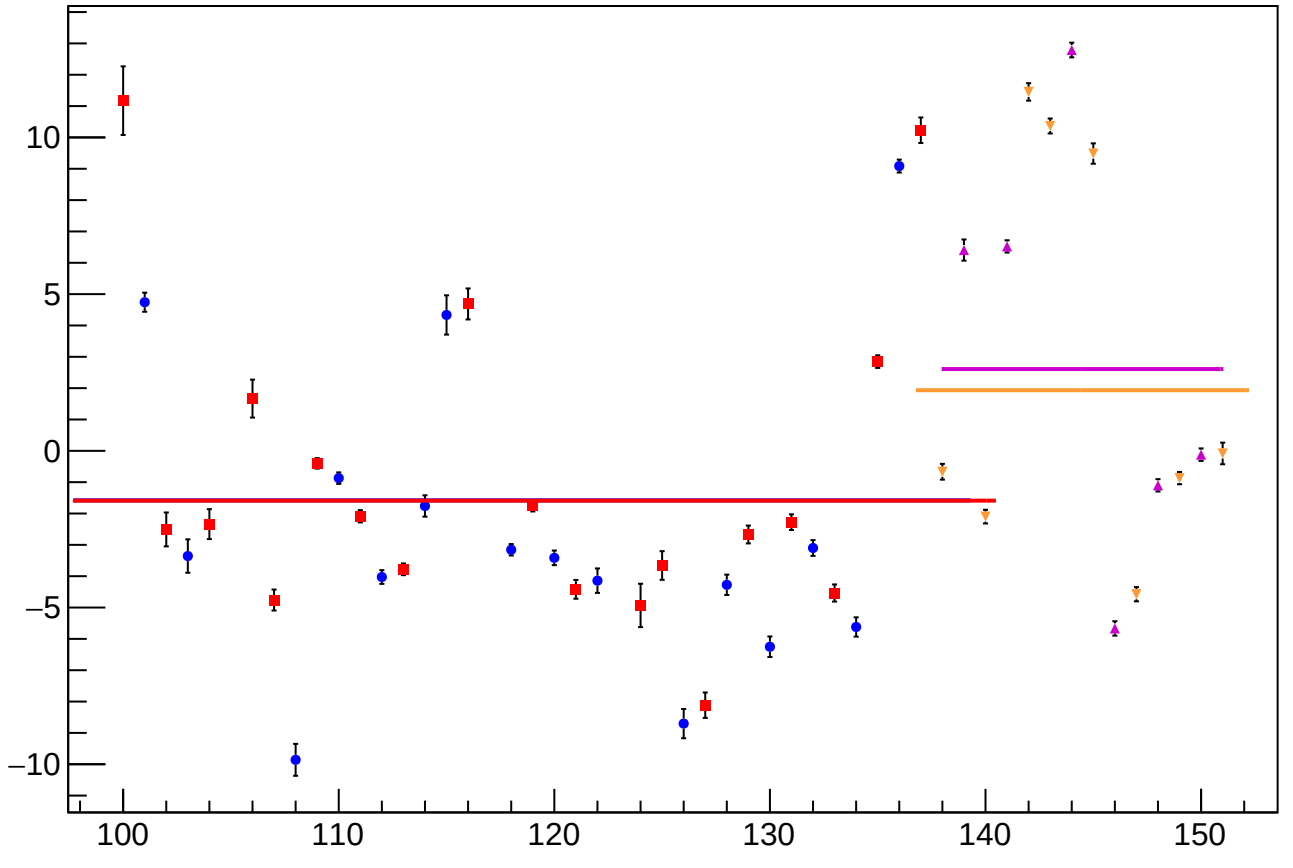
Left: -27.262+/-0.071 χ^2/NDF: 136191.9/13

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -2.182+/-0.055 χ^2/NDF:199444.0/21

Out: -4.396+/-0.051 χ^2/NDF:236604.9/26

All: -3.373+/-0.037 χ^2/NDF: 436930.9/48



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 1.934+/-0.088 χ^2/NDF:4454.9/7

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 2.610+/-0.090 χ^2/NDF:4239.3/5

Left: 2.262+/-0.063 χ^2/NDF: 8723.0/13

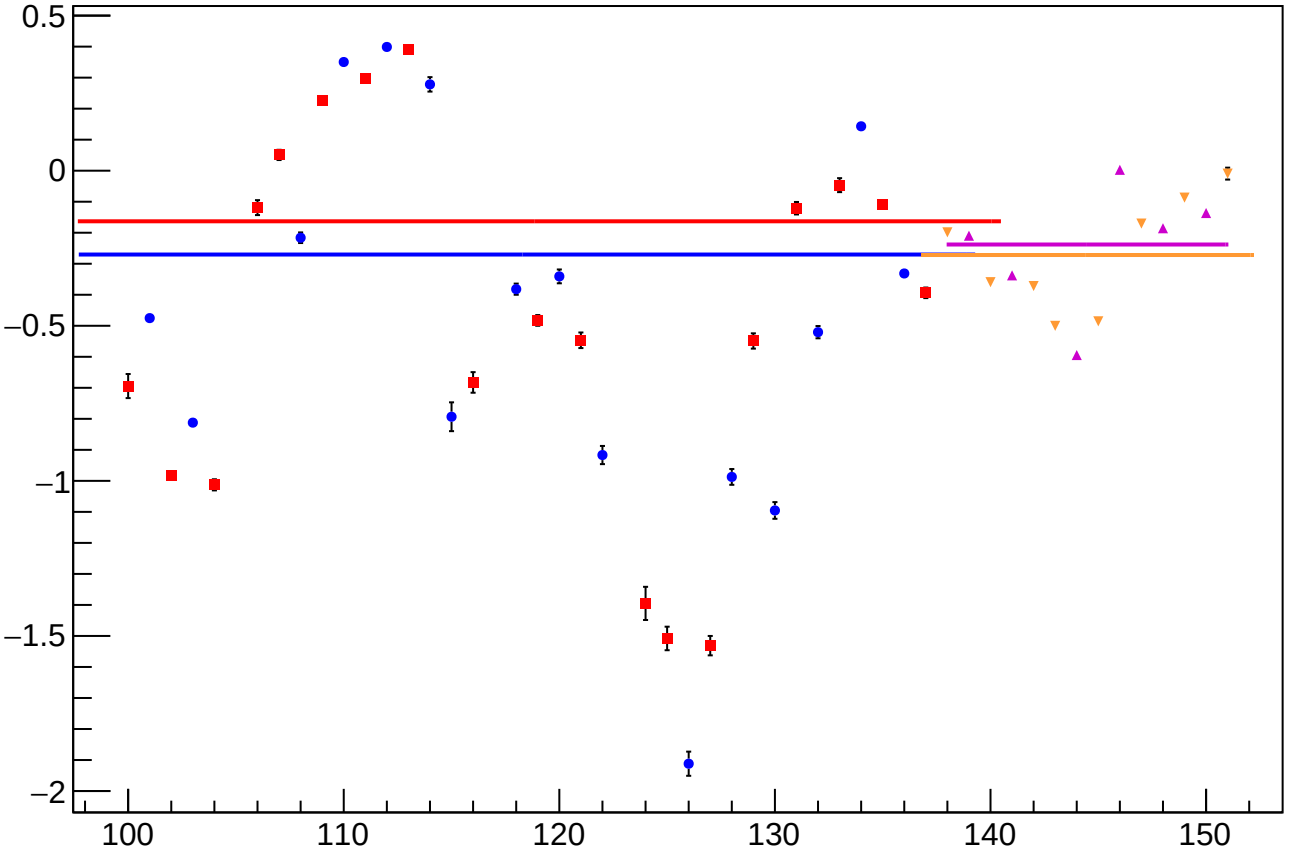
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.029+/-0.055 χ^2/NDF:10119.3/21

Out: -0.357+/-0.052 χ^2/NDF:7979.3/26

All: -0.203+/-0.038 χ^2/NDF: 18117.4/48

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.272+/-0.004 χ^2/NDF:1394.6/7

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.238+/-0.004 χ^2/NDF:1396.9/5

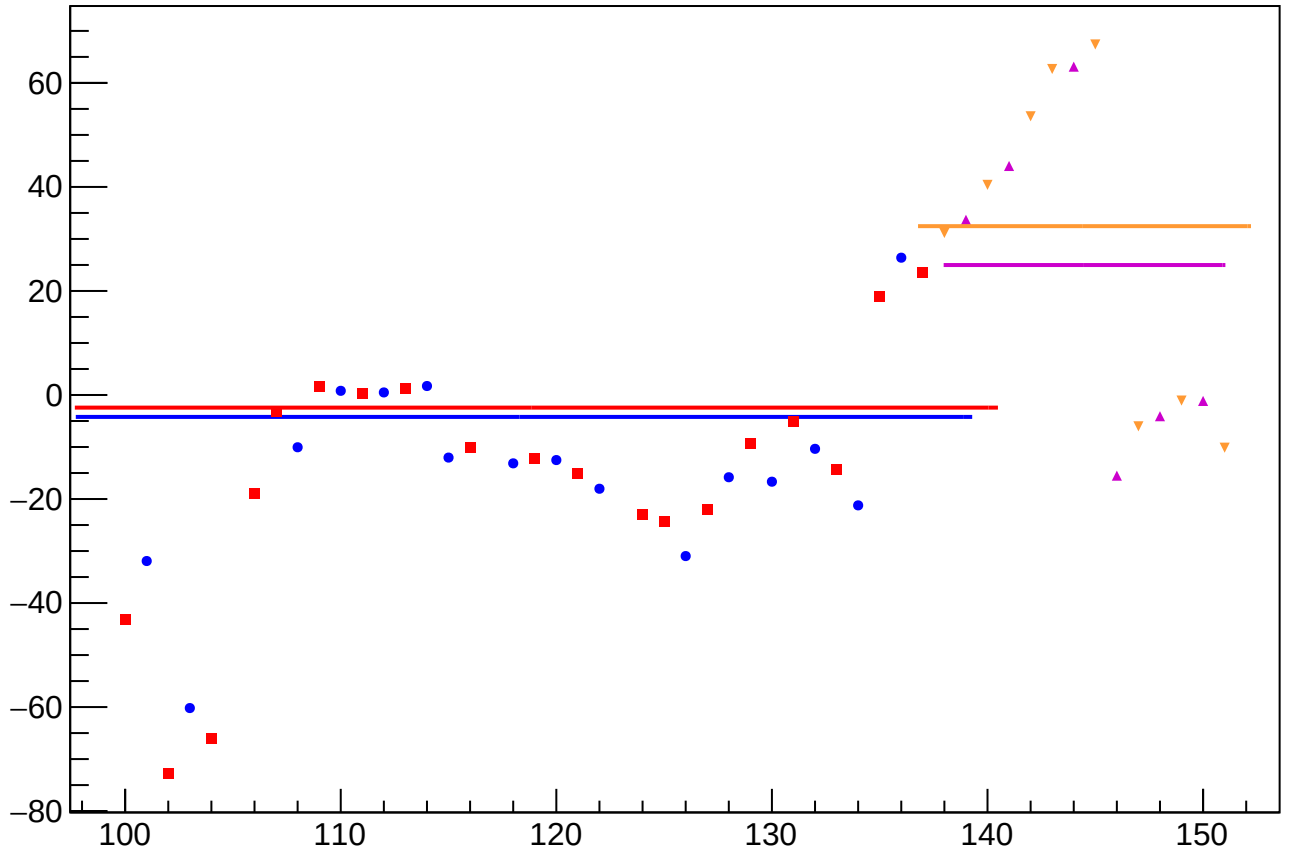
Left: -0.255+/-0.003 χ^2/NDF: 2826.1/13

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.254+/-0.003 χ^2/NDF:13464.4/21

Out: -0.213+/-0.003 χ^2/NDF:17285.0/26

All: -0.233+/-0.002 χ^2/NDF: 30852.2/48



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 32.460+/-0.100 χ^2/NDF:62159.4/7

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 24.987+/-0.103 χ^2/NDF:64169.6/5

Left: 28.833+/-0.072 χ^2/NDF: 129056.1/13

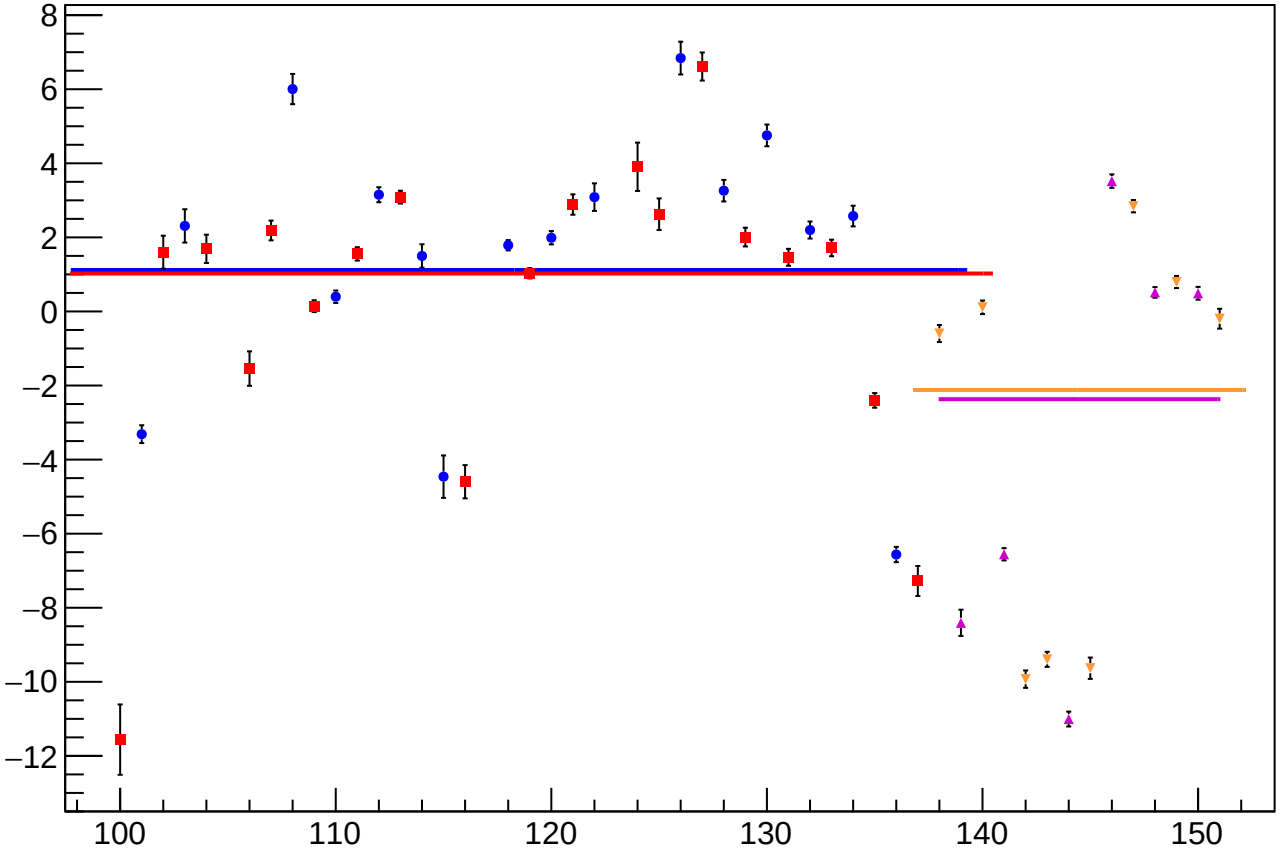
Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 2.245+/-0.048 χ^2/NDF:202398.2/21

Out: 3.736+/-0.042 χ^2/NDF:243703.8/26

All: 3.095+/-0.032 χ^2/NDF: 446645.9/48

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -2.119+/-0.073 χ^2/NDF:4500.0/7

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -2.369+/-0.074 χ^2/NDF:4491.9/5

Left: -2.241+/-0.052 χ^2/NDF: 8997.7/13

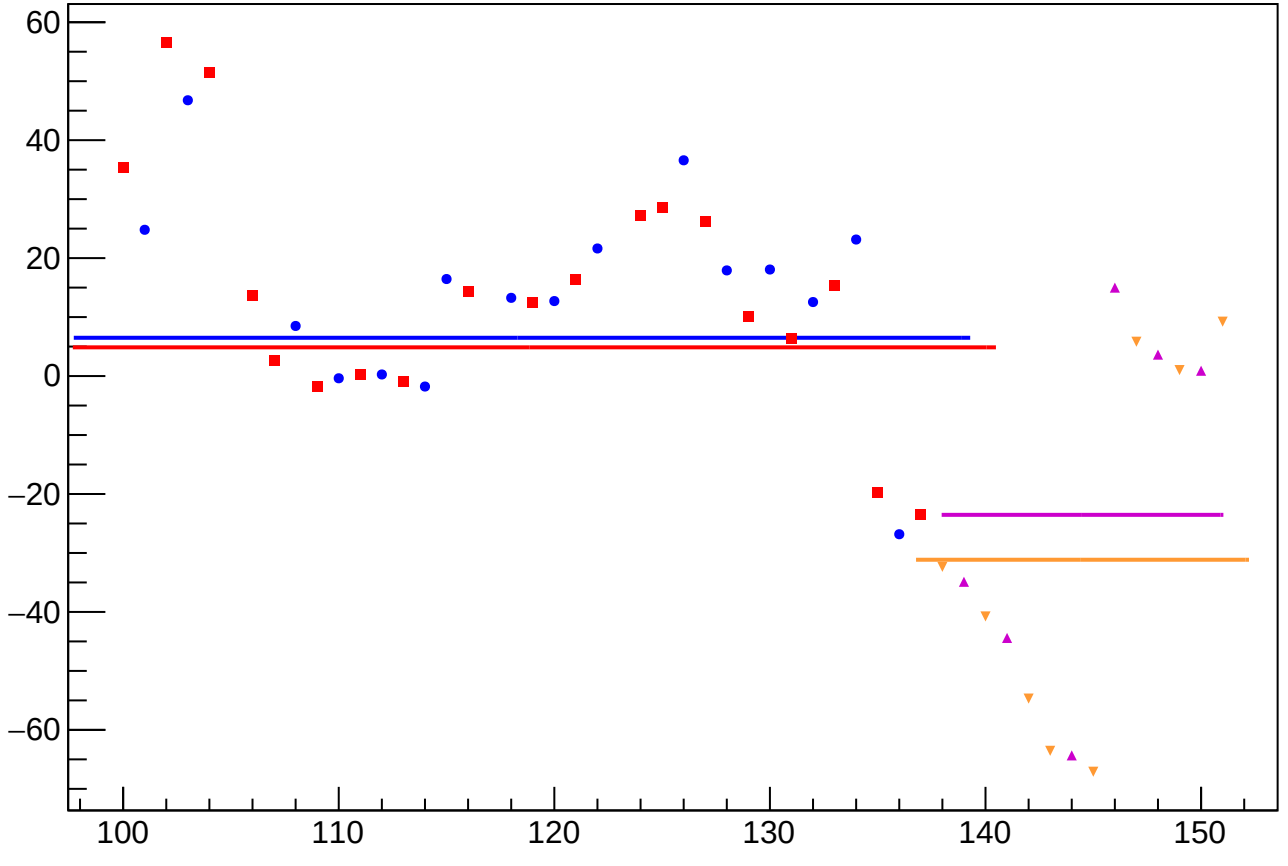
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: -0.269+/-0.047 χ^2/NDF:8409.0/21

Out: -0.181+/-0.045 χ^2/NDF:7269.1/26

All: -0.223+/-0.032 χ^2/NDF: 15680.0/48

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: -31.149+/-0.100 χ^2/NDF:65911.8/7

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -23.534+/-0.102 χ^2/NDF:67684.4/5

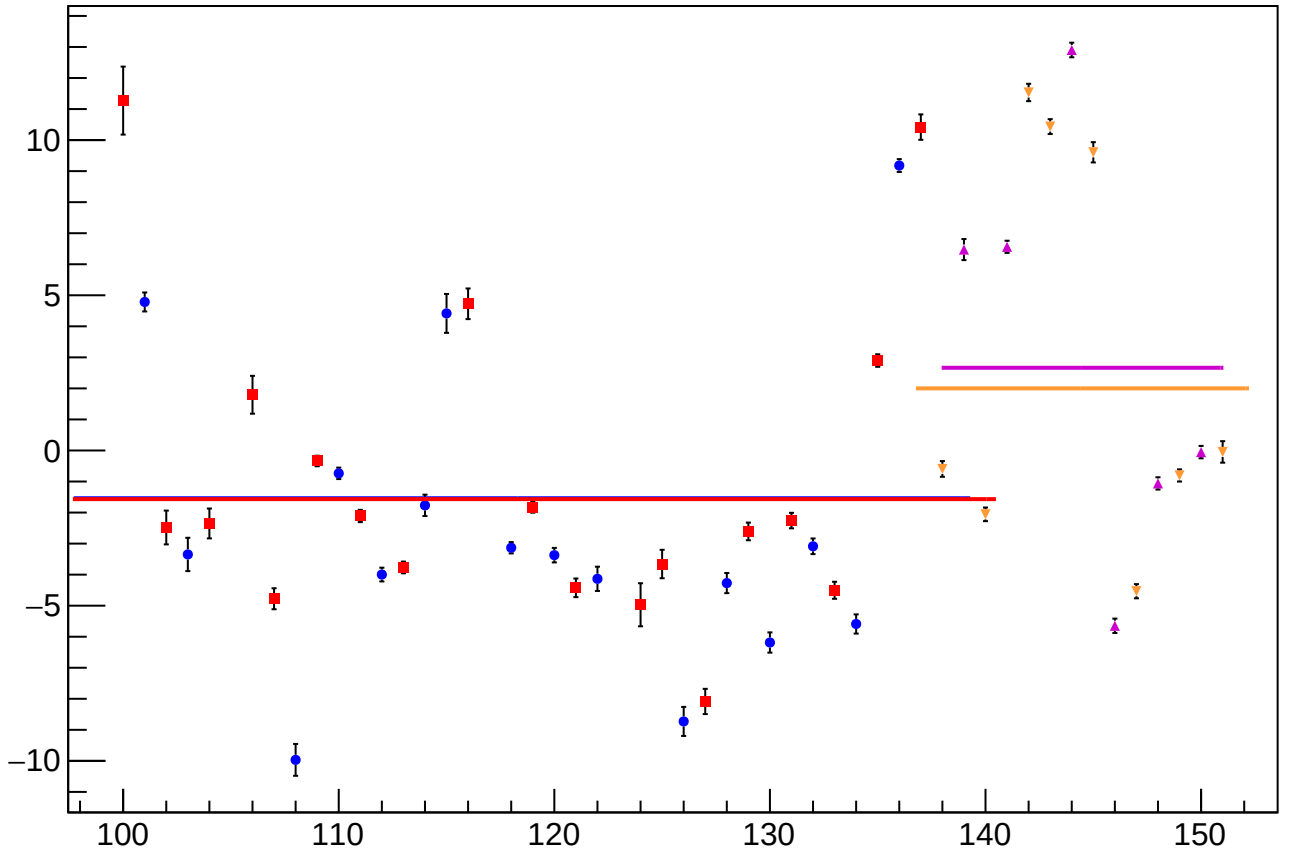
Left: -27.416+/-0.072 χ^2/NDF: 136428.4/13

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -2.203+/-0.055 χ^2/NDF:199678.5/21

Out: -4.454+/-0.051 χ^2/NDF:236998.8/26

All: -3.414+/-0.037 χ^2/NDF: 437578.6/48



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 2.001+/-0.088 χ^2/NDF:4443.0/7

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 2.665+/-0.091 χ^2/NDF:4233.6/5

Left: 2.323+/-0.063 χ^2/NDF: 8704.3/13

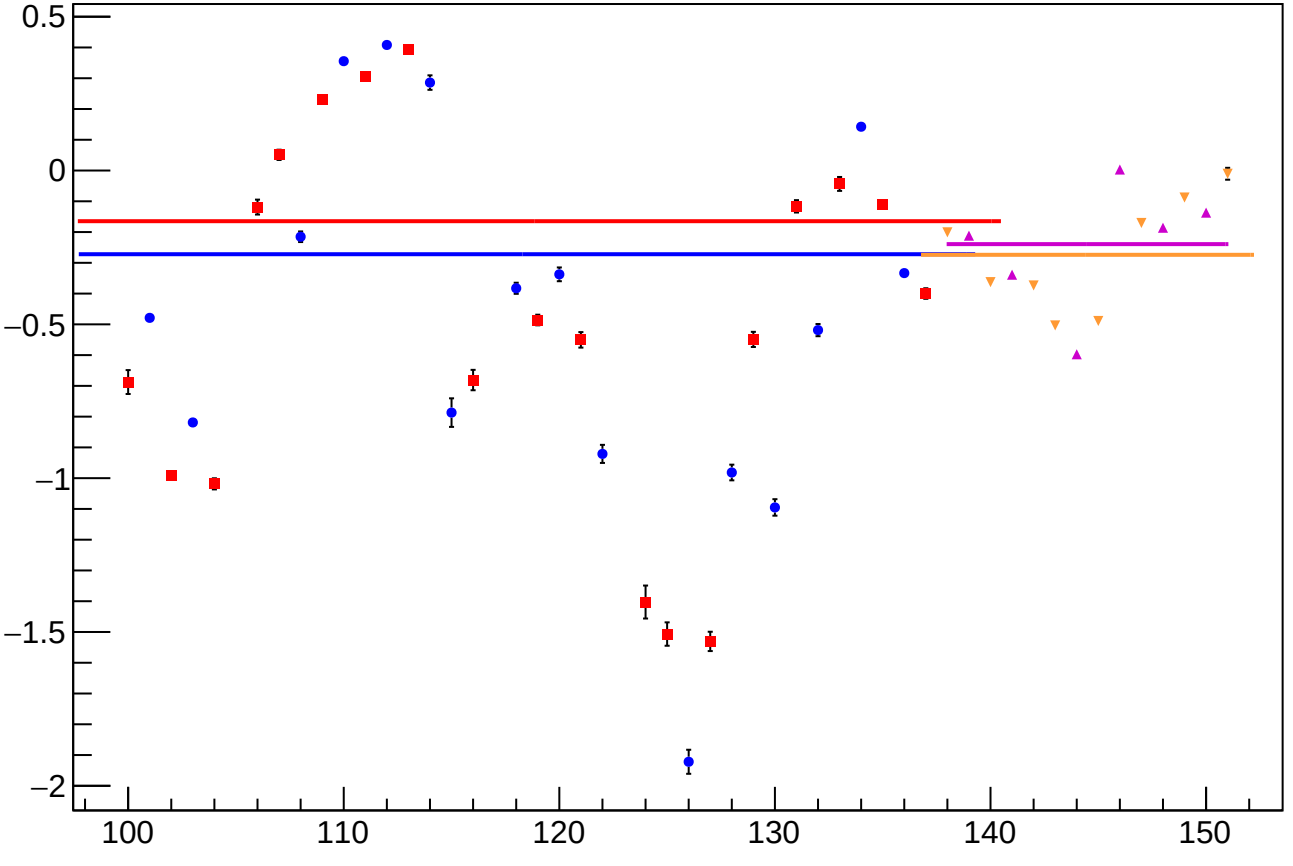
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: 0.018+/-0.055 χ^2/NDF:10122.8/21

Out: -0.317+/-0.052 χ^2/NDF:8009.2/26

All: -0.159+/-0.038 χ^2/NDF: 18151.5/48

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.274+/-0.004 χ^2/NDF:1400.0/7

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.239+/-0.004 χ^2/NDF:1398.1/5

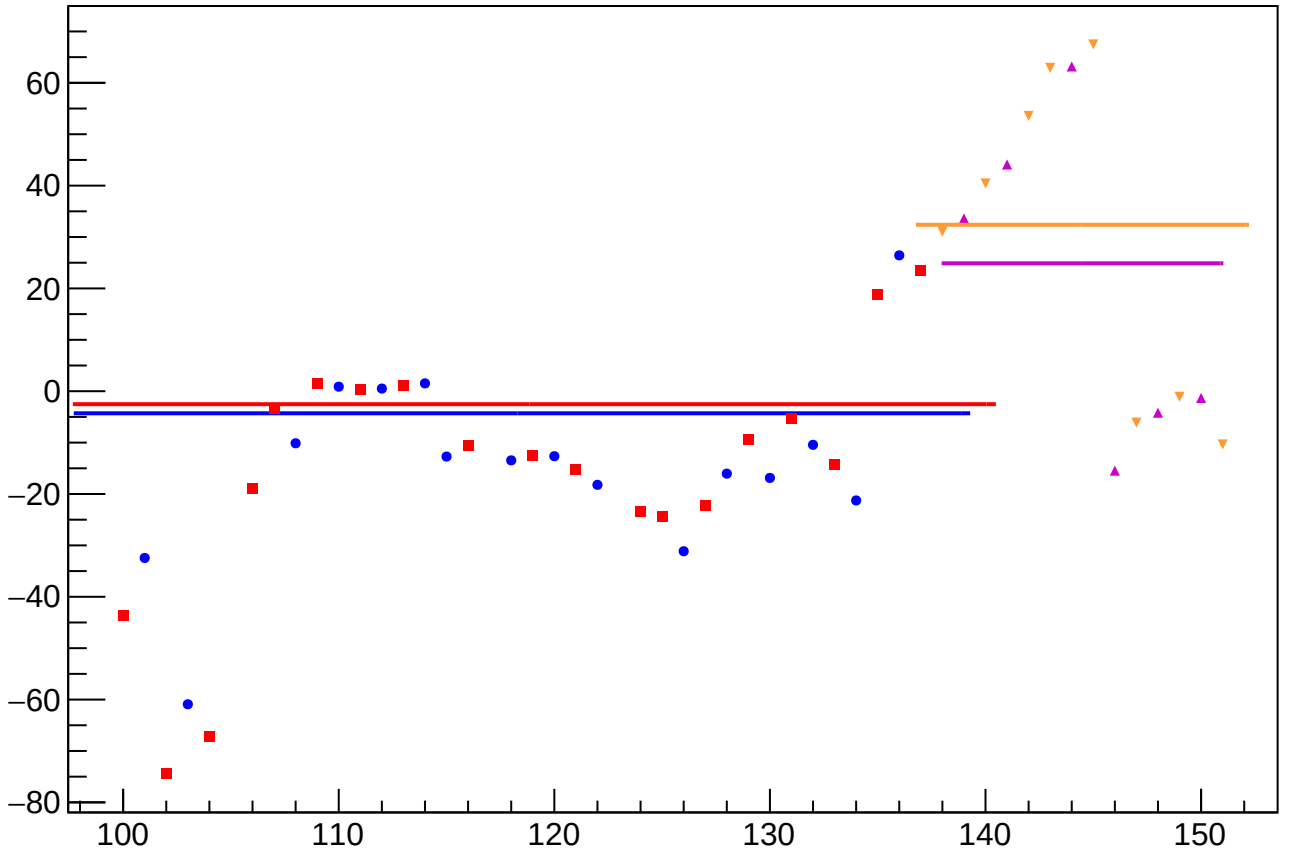
Left: -0.256+/-0.003 χ^2/NDF: 2834.2/13

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.255+/-0.003 χ^2/NDF:13493.6/21

Out: -0.215+/-0.003 χ^2/NDF:17271.2/26

All: -0.234+/-0.002 χ^2/NDF: 30864.5/48



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 32.382+/-0.100 χ^2/NDF:61693.9/7

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 24.885+/-0.104 χ^2/NDF:63467.6/5

Left: 28.748+/-0.072 χ^2/NDF: 127859.5/13

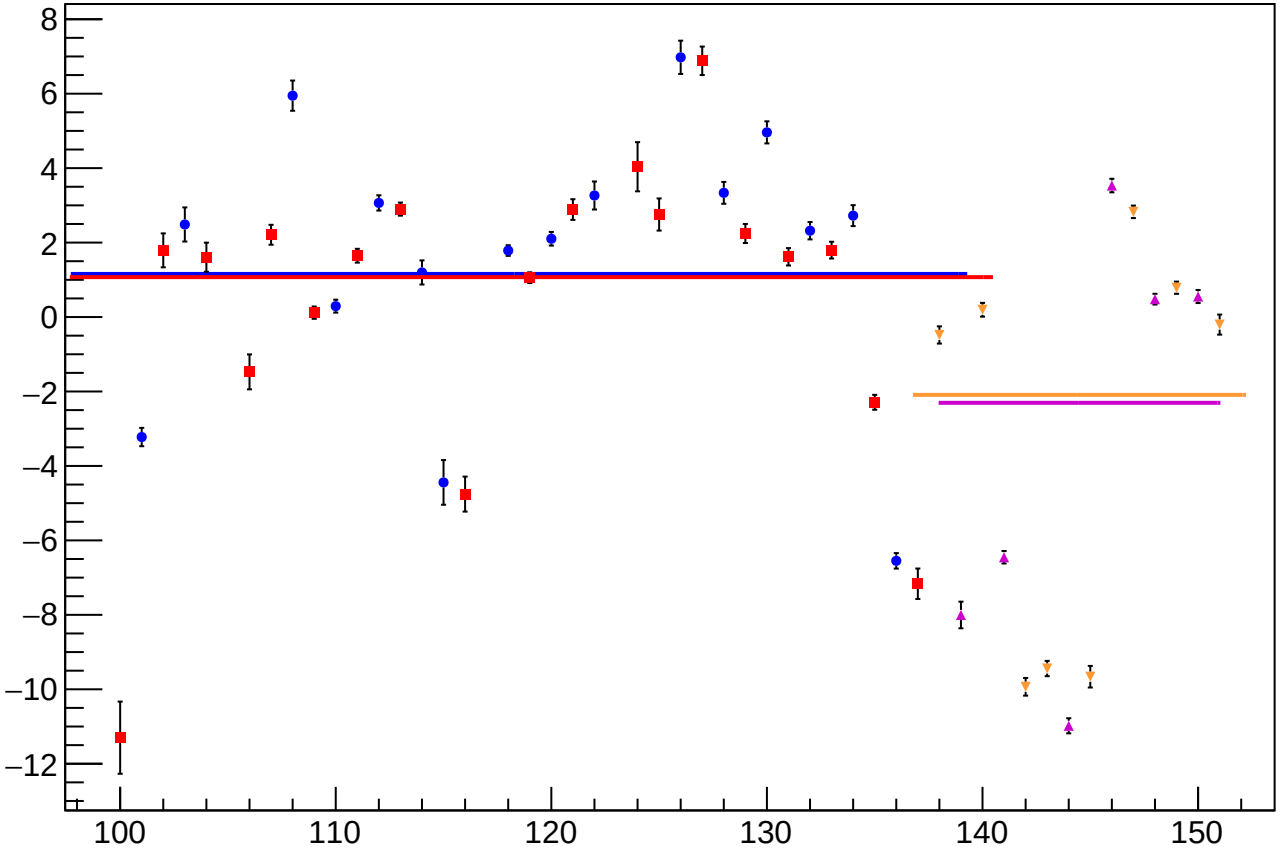
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 2.254+/-0.049 χ^2/NDF:199215.1/21

Out: 3.792+/-0.043 χ^2/NDF:240415.0/26

All: 3.128+/-0.032 χ^2/NDF: 440188.3/48

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -2.091+/-0.073 χ^2/NDF:4460.6/7

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -2.304+/-0.075 χ^2/NDF:4351.3/5

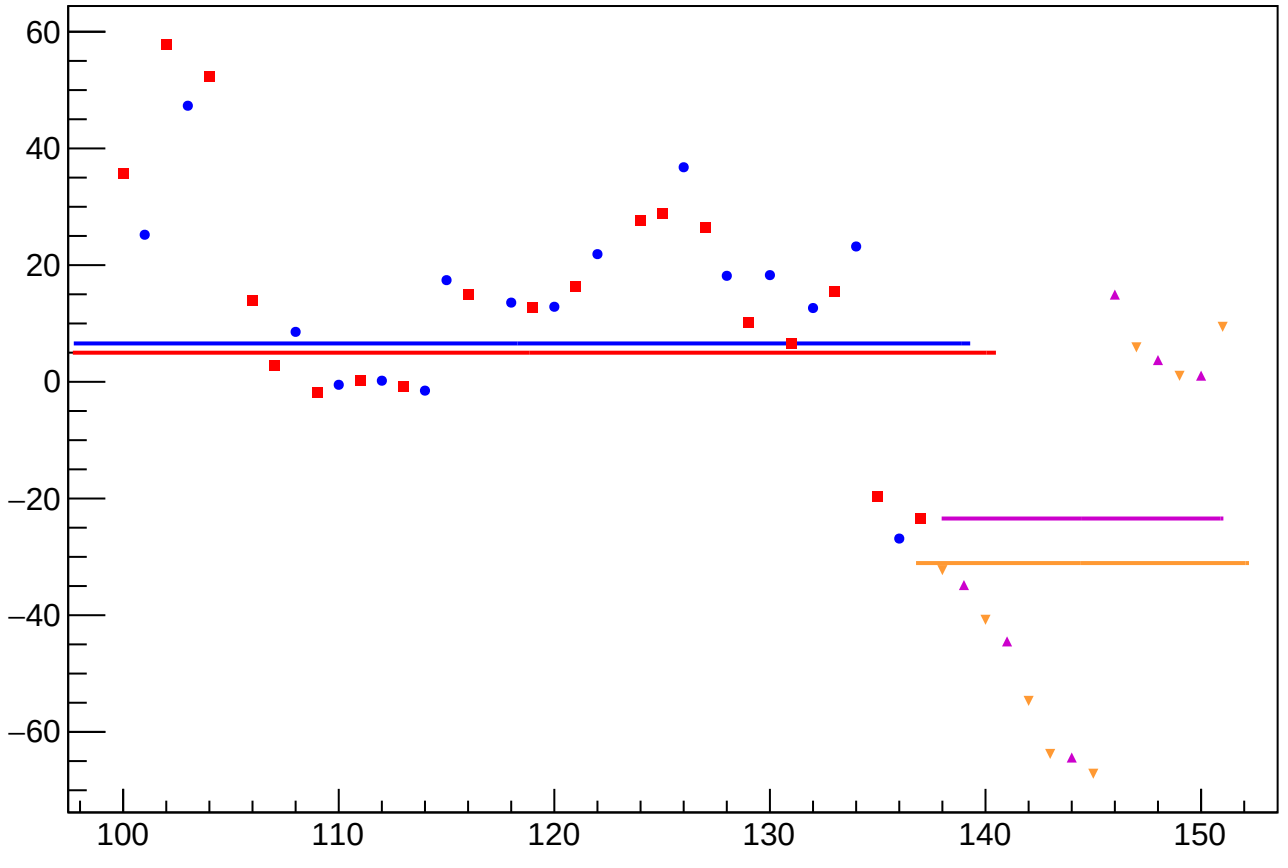
Left: -2.195+/-0.052 χ^2/NDF: 8816.1/13

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: -0.236+/-0.048 χ^2/NDF:8176.4/21

Out: -0.159+/-0.046 χ^2/NDF:7155.8/26

All: -0.196+/-0.033 χ^2/NDF: 15333.6/48



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -31.063+/-0.101 χ^2/NDF:65375.7/7

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -23.428+/-0.103 χ^2/NDF:66907.2/5

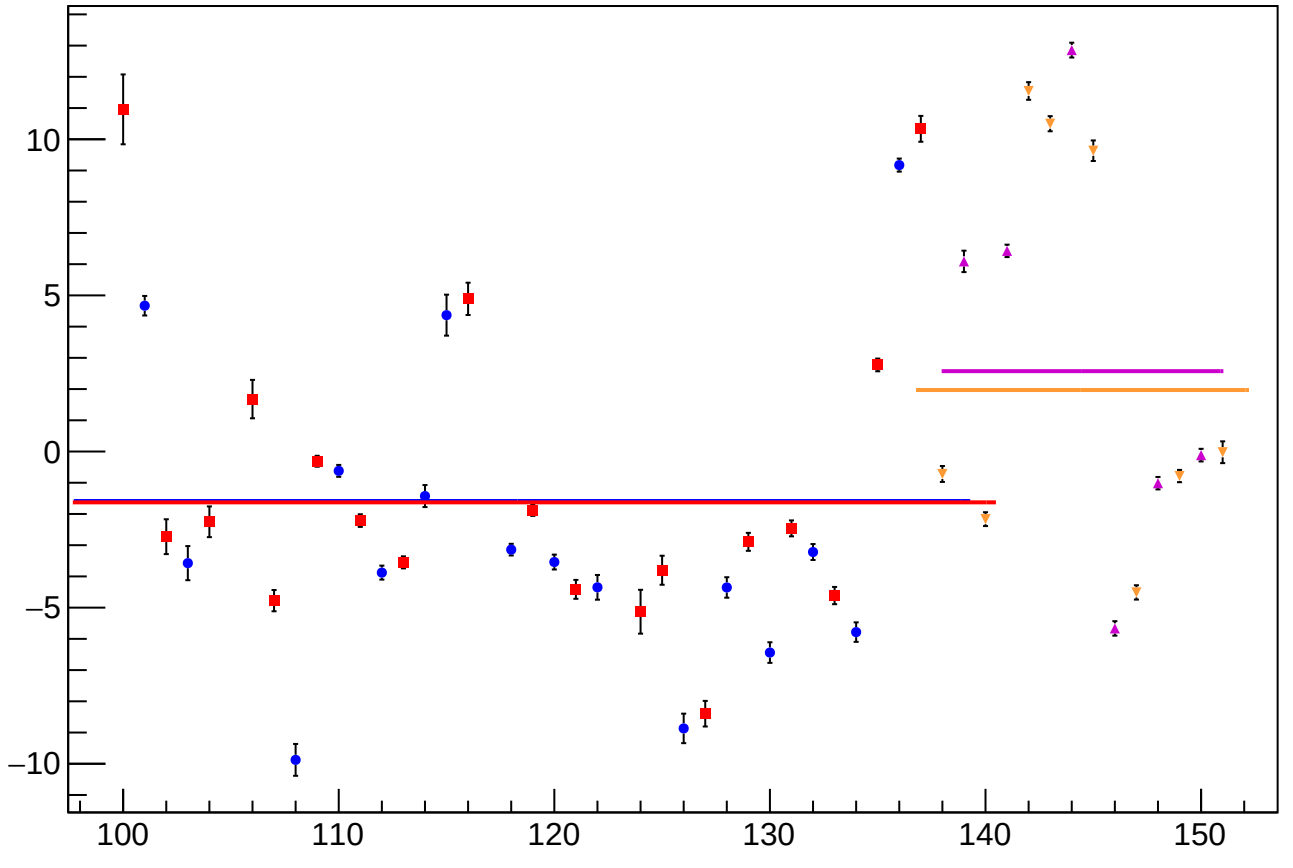
Left: -27.326+/-0.072 χ^2/NDF: 135082.9/13

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -2.219+/-0.056 χ^2/NDF:196520.0/21

Out: -4.517+/-0.052 χ^2/NDF:233758.7/26

All: -3.453+/-0.038 χ^2/NDF: 431188.7/48



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 1.969+/-0.089 χ^2/NDF:4412.6/7

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 2.574+/-0.091 χ^2/NDF:4111.5/5

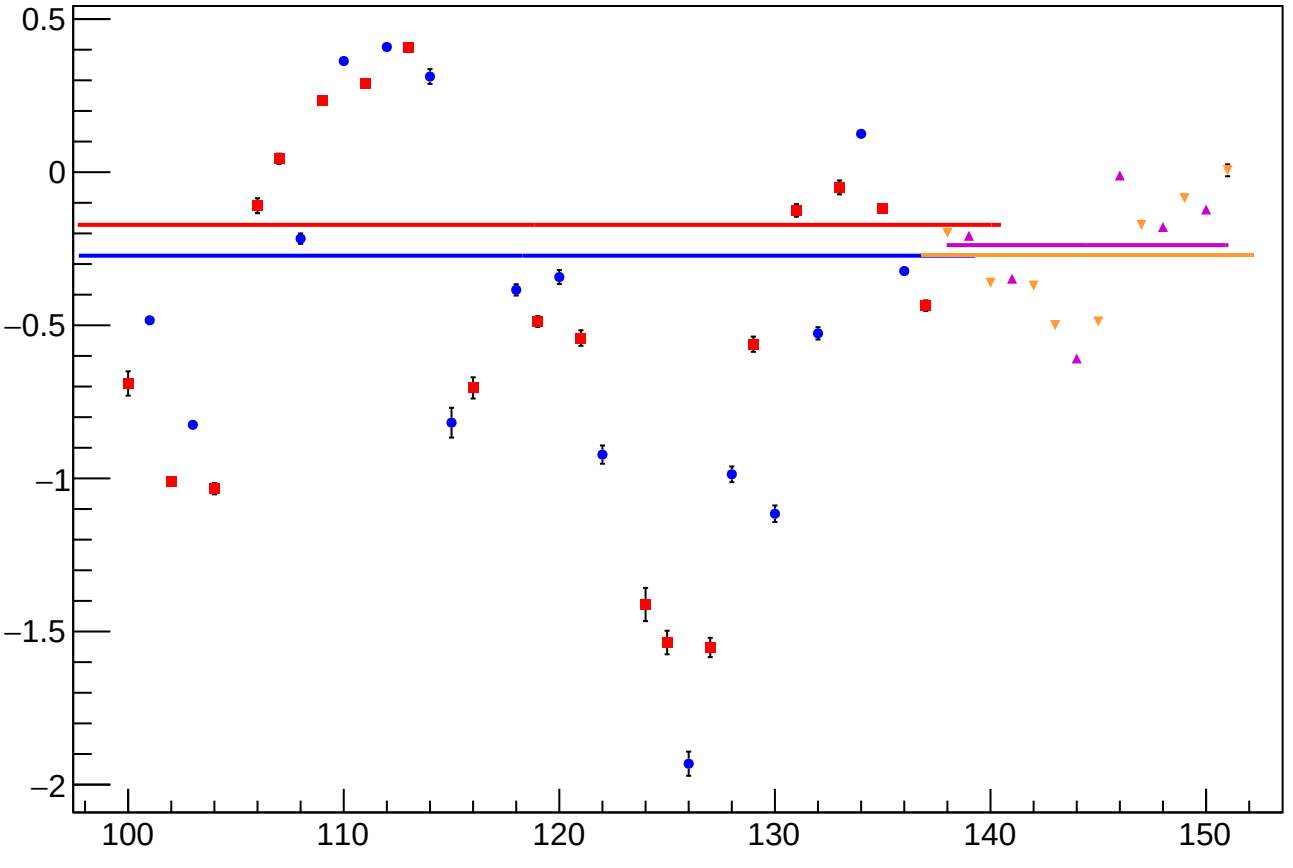
Left: 2.262+/-0.064 χ^2/NDF: 8546.6/13

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.027+/-0.056 χ^2/NDF:9877.4/21

Out: -0.348+/-0.053 χ^2/NDF:7897.0/26

All: -0.197+/-0.038 χ^2/NDF: 17791.9/48



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.271+/-0.004 χ^2/NDF:1394.9/7

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.238+/-0.004 χ^2/NDF:1455.6/5

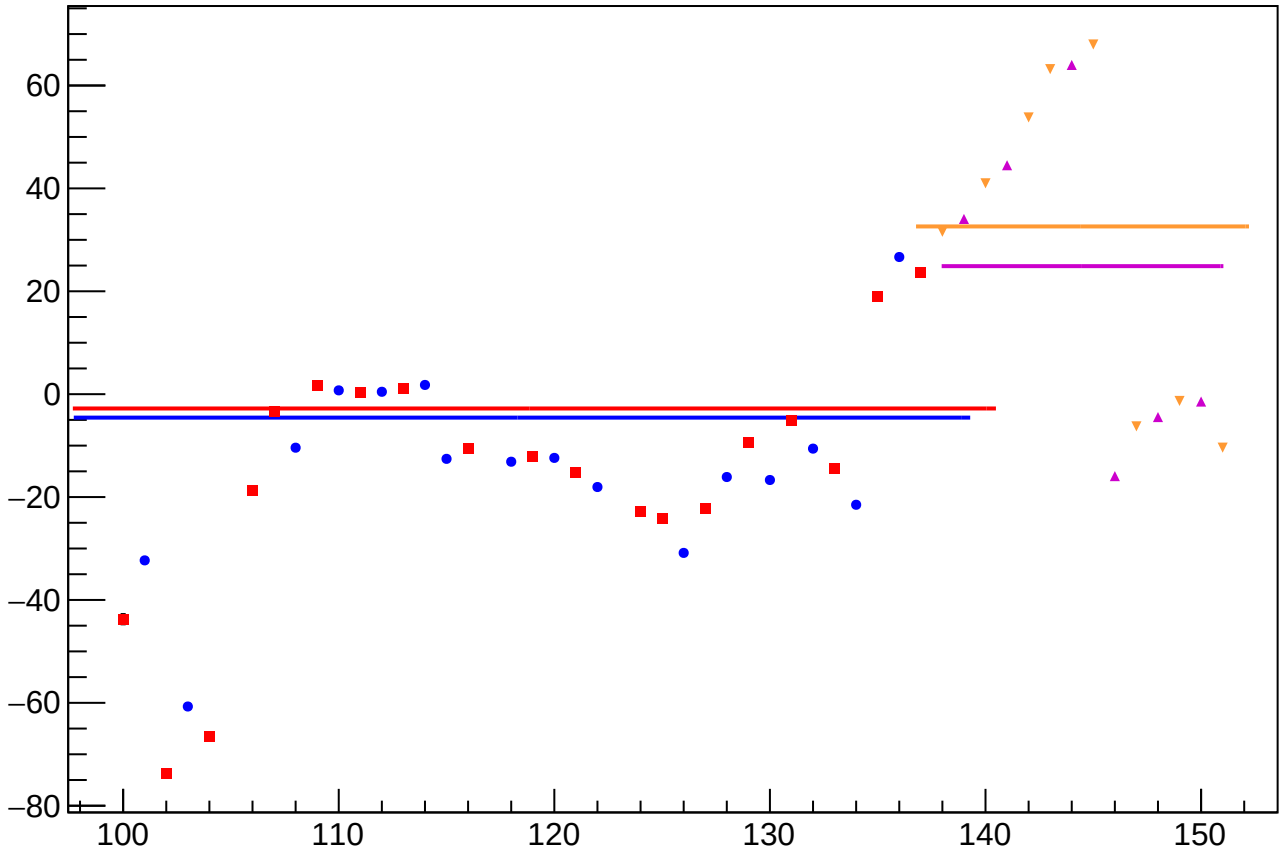
Left: -0.254+/-0.003 χ^2/NDF: 2881.3/13

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.255+/-0.003 χ^2/NDF:13346.3/21

Out: -0.218+/-0.003 χ^2/NDF:17019.8/26

All: -0.236+/-0.002 χ^2/NDF: 30448.9/48



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 32.604+/-0.102 χ^2/NDF:61142.1/7

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 24.886+/-0.105 χ^2/NDF:63554.4/5

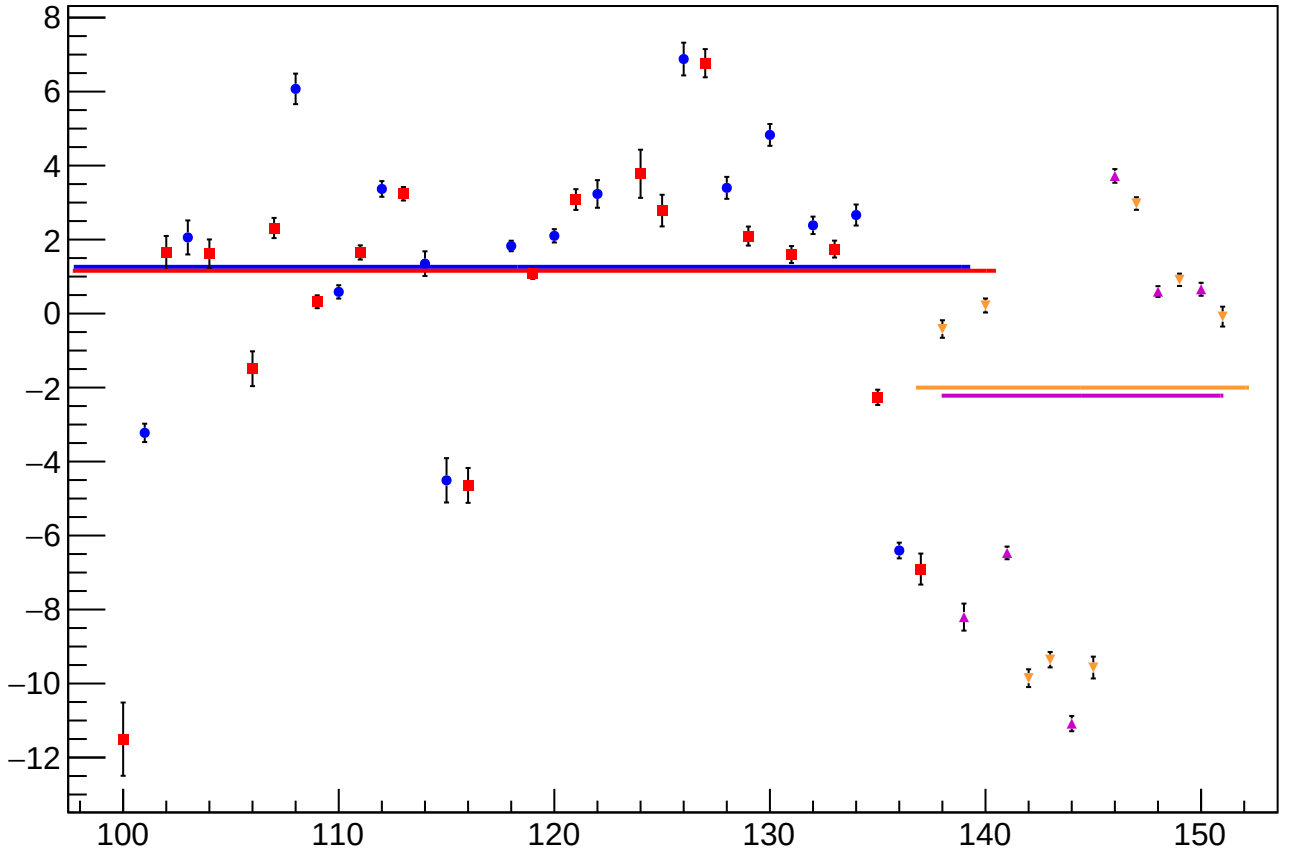
Left: 28.852+/-0.073 χ^2/NDF: 127459.9/13

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 2.084+/-0.050 χ^2/NDF:196797.8/21

Out: 3.709+/-0.044 χ^2/NDF:236618.6/26

All: 3.003+/-0.033 χ^2/NDF: 434013.6/48



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -2.001+/-0.074 χ^2/NDF:4359.7/7

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -2.219+/-0.076 χ^2/NDF:4388.3/5

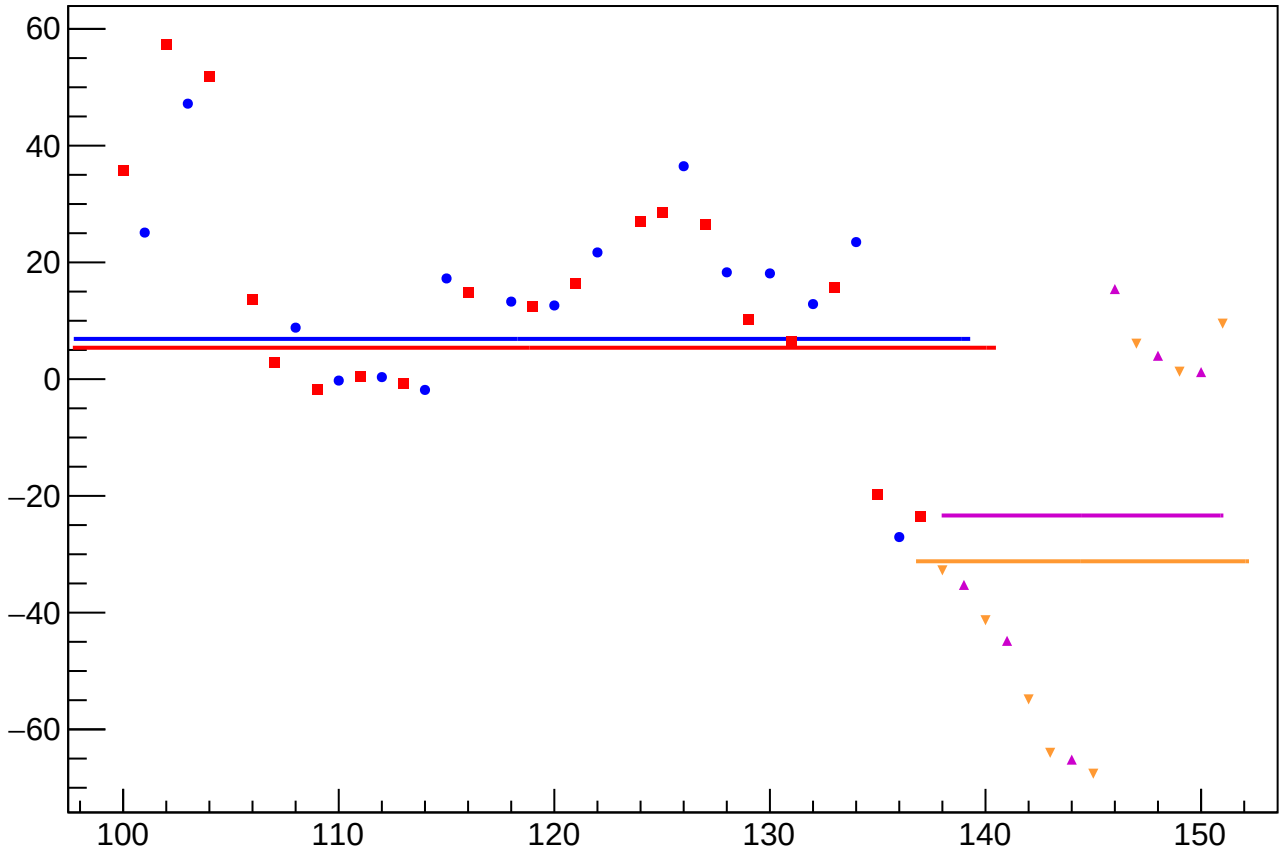
Left: -2.107+/-0.053 χ^2/NDF: 8752.3/13

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: -0.129+/-0.048 χ^2/NDF:8092.2/21

Out: -0.068+/-0.046 χ^2/NDF:6958.2/26

All: -0.098+/-0.033 χ^2/NDF: 15051.3/48



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -31.203+/-0.103 χ^2/NDF:64775.2/7

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -23.358+/-0.105 χ^2/NDF:66920.4/5

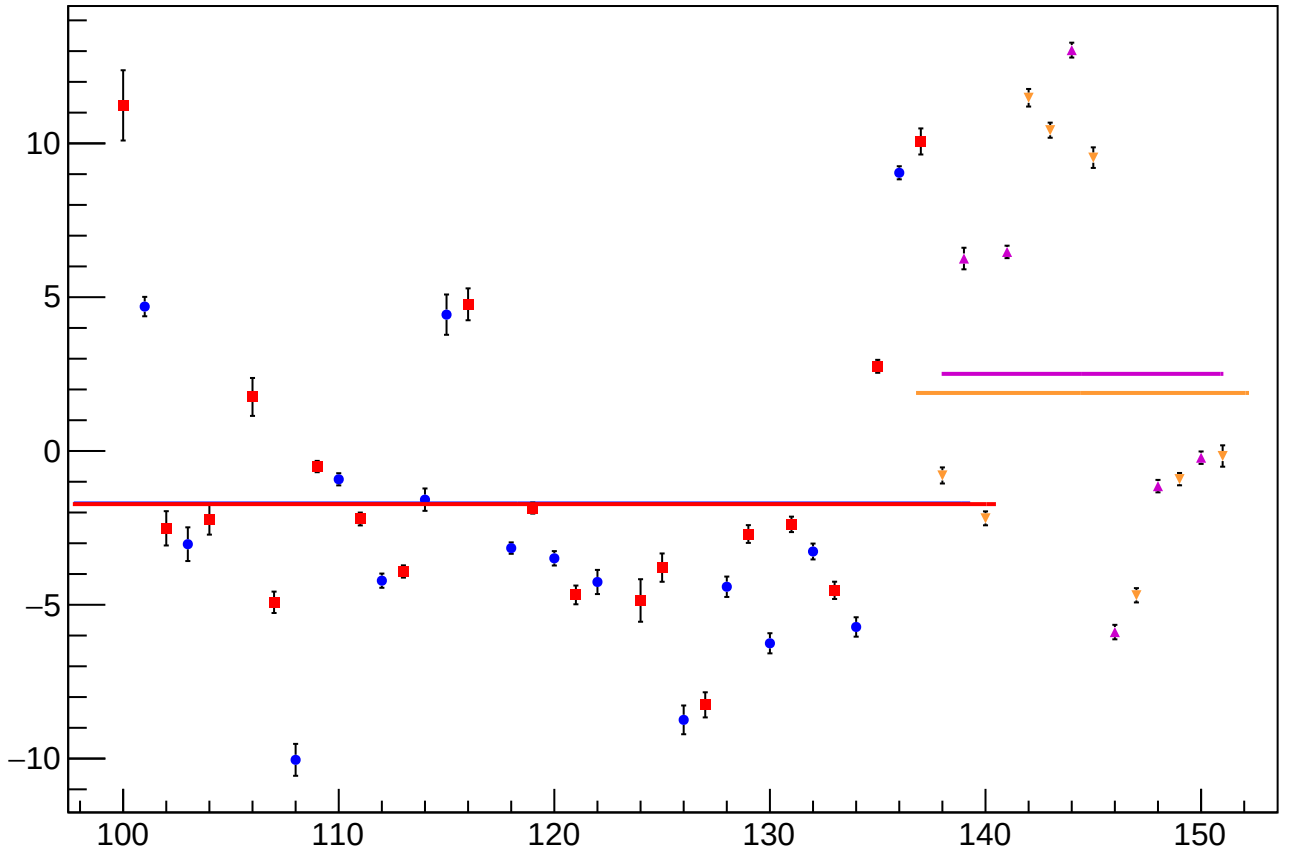
Left: -27.352+/-0.073 χ^2/NDF: 134554.9/13

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -1.965+/-0.057 χ^2/NDF:194037.8/21

Out: -4.305+/-0.053 χ^2/NDF:230126.9/26

All: -3.215+/-0.039 χ^2/NDF: 425076.1/48



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 1.887+/-0.090 χ^2/NDF:4314.5/7

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 2.507+/-0.093 χ^2/NDF:4162.0/5

Left: 2.188+/-0.065 χ^2/NDF: 8499.6/13

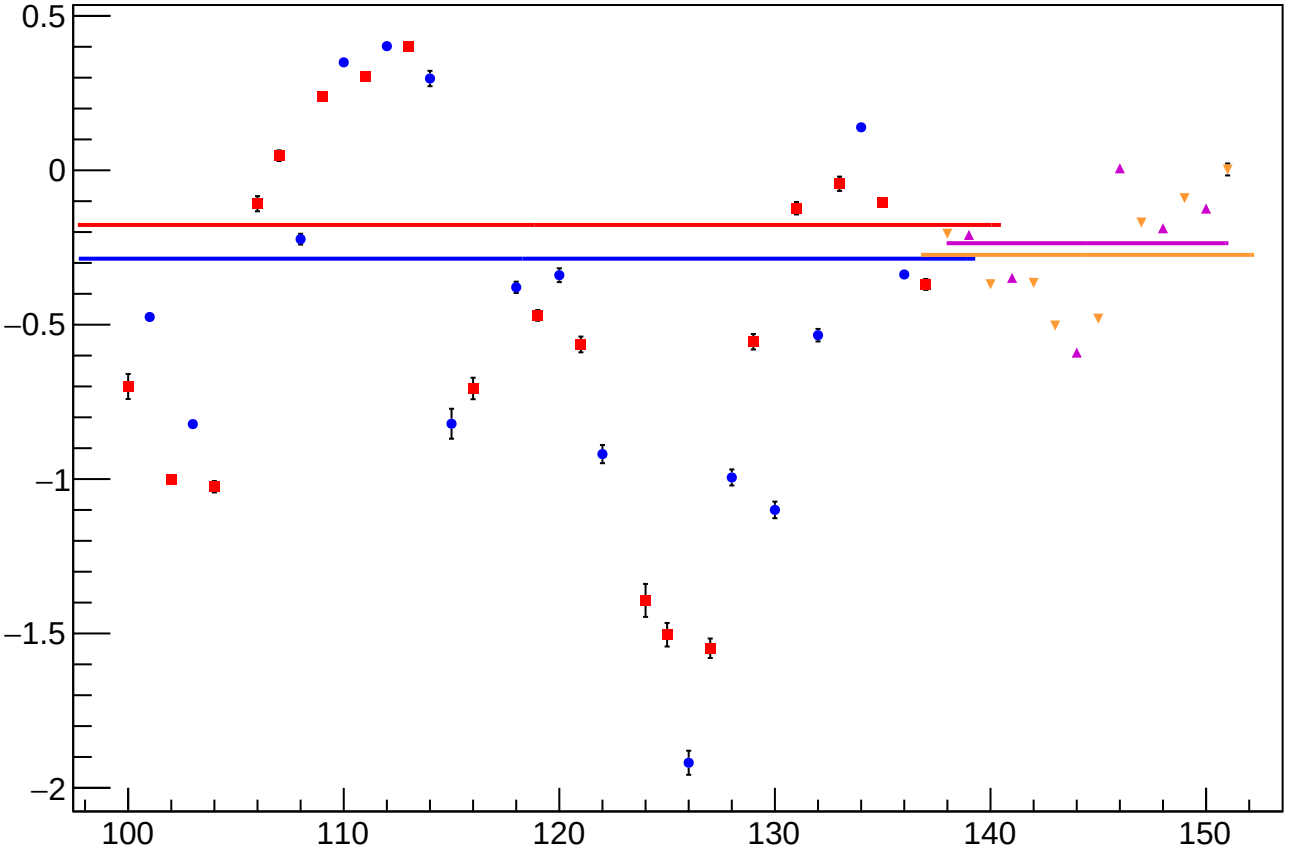
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.134+/-0.057 χ^2/NDF:9746.8/21

Out: -0.443+/-0.054 χ^2/NDF:7663.0/26

All: -0.297+/-0.039 χ^2/NDF: 17425.3/48

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: -0.274+/-0.004 χ^2/NDF:1327.7/7

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.236+/-0.004 χ^2/NDF:1365.4/5

Left: -0.255+/-0.003 χ^2/NDF: 2733.7/13

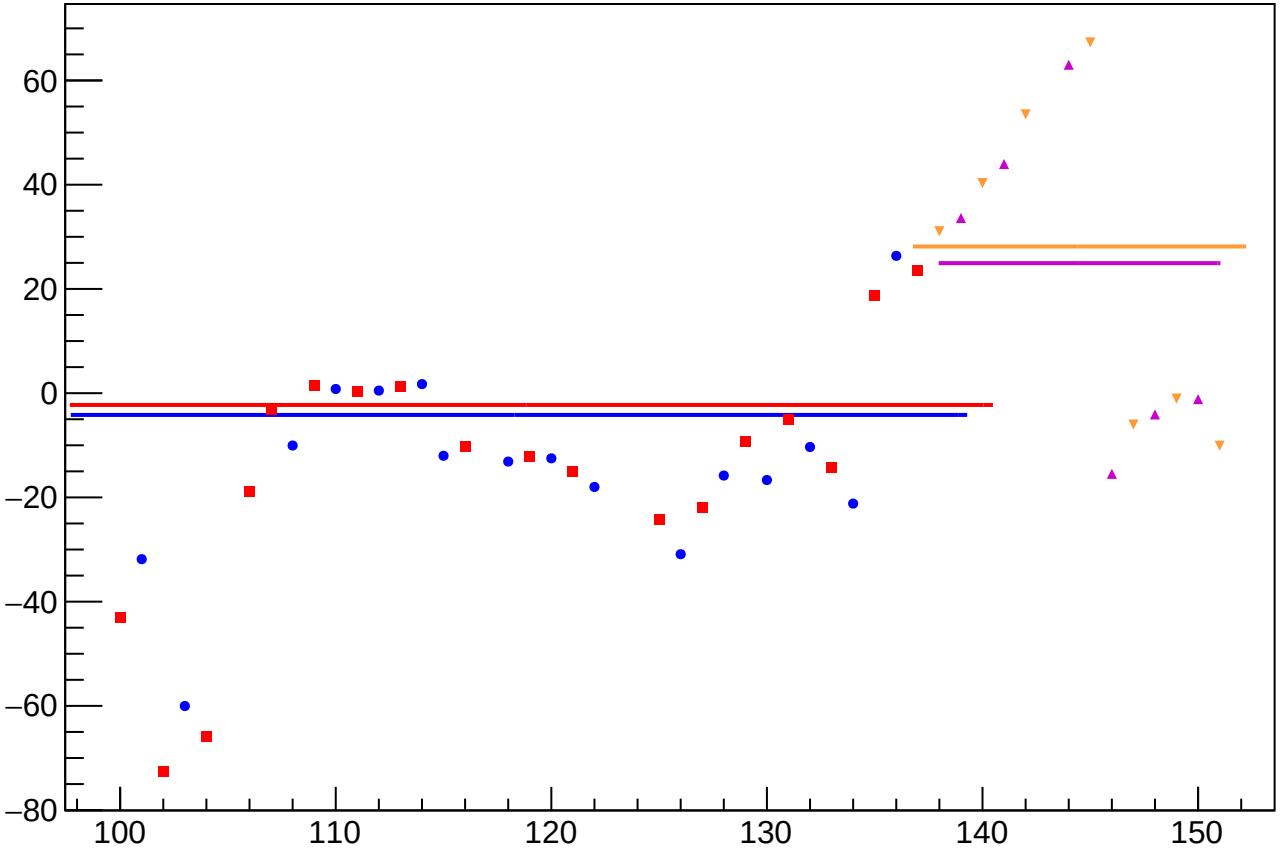
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.260+/-0.003 χ^2/NDF:12796.8/21

Out: -0.222+/-0.003 χ^2/NDF:16376.8/26

All: -0.241+/-0.002 χ^2/NDF: 29258.8/48

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: 28.146+/-0.106 χ^2/NDF:49219.7/6

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 24.952+/-0.102 χ^2/NDF:64259.3/5

Left: 26.490+/-0.074 χ^2/NDF: 113947.8/12

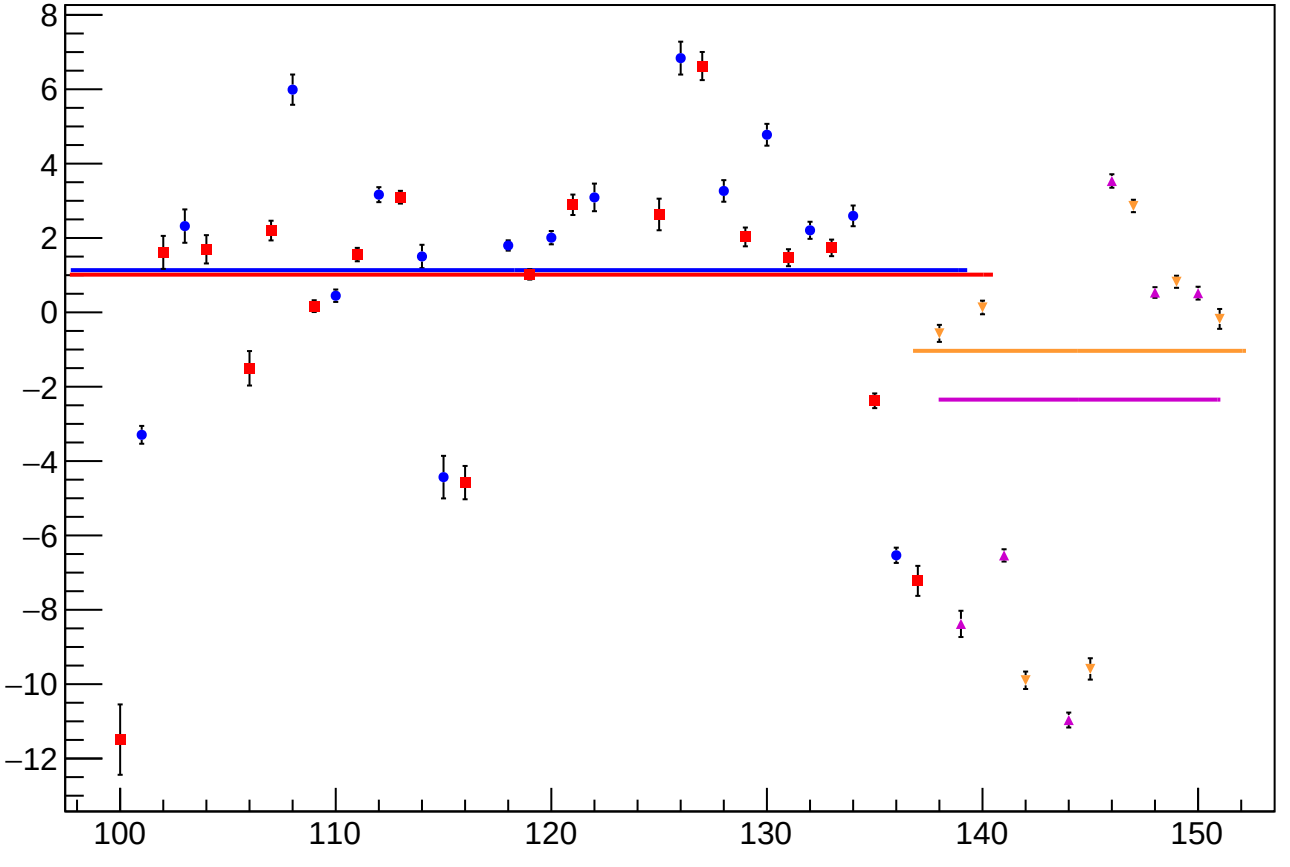
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 2.248+/-0.048 χ^2/NDF:202729.1/21

Out: 2.549+/-0.042 χ^2/NDF:197843.6/24

All: 2.417+/-0.032 χ^2/NDF: 400594.9/46

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: -1.035+/-0.077 χ^2/NDF:3044.3/6

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -2.347+/-0.074 χ^2/NDF:4503.8/5

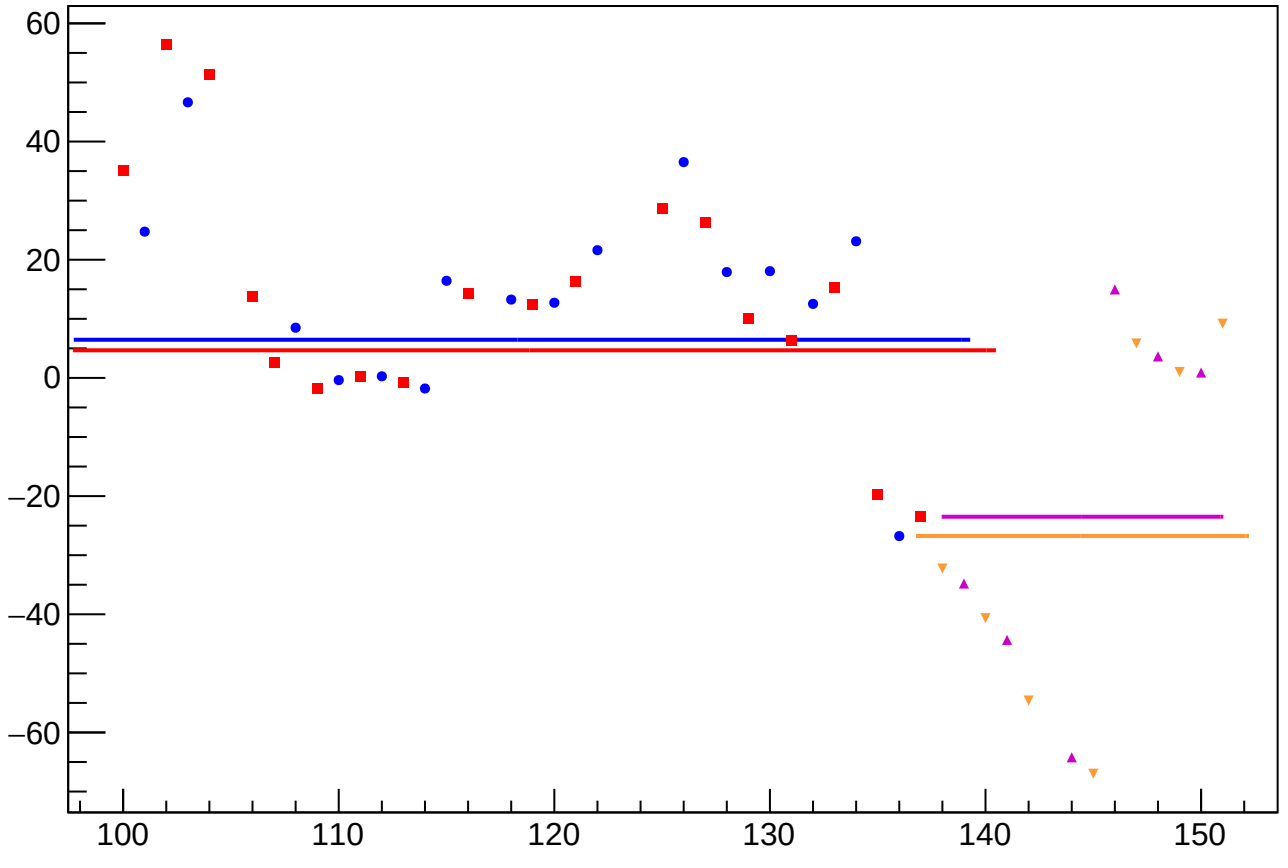
Left: -1.720+/-0.054 χ^2/NDF: 7697.7/12

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: -0.248+/-0.047 χ^2/NDF:8429.2/21

Out: 0.291+/-0.046 χ^2/NDF:5090.0/24

All: 0.026+/-0.033 χ^2/NDF: 13586.8/46



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -26.757+/-0.106 χ^2/NDF:51934.6/6

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -23.491+/-0.102 χ^2/NDF:67776.1/5

Left: -25.054+/-0.074 χ^2/NDF: 120202.3/12

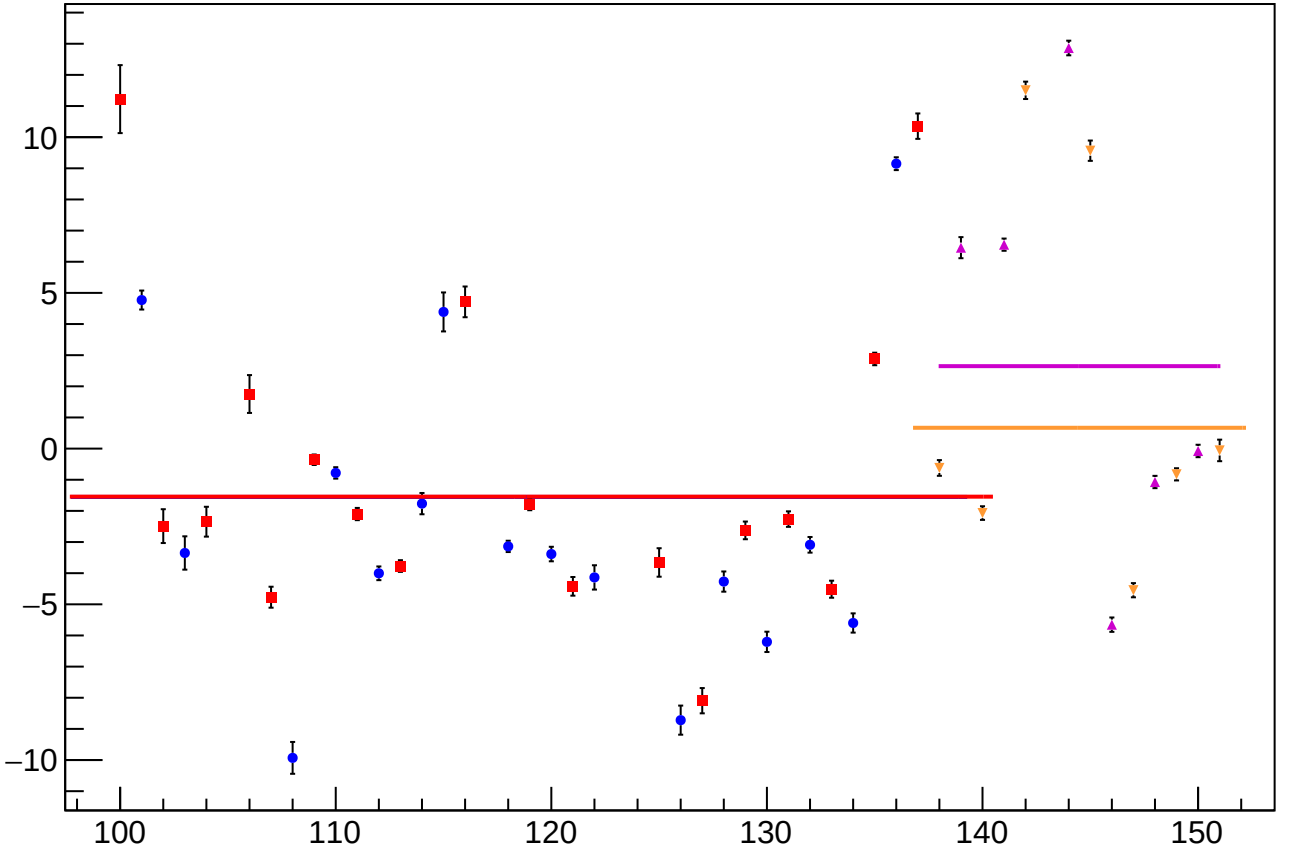
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -2.197+/-0.055 χ^2/NDF:199992.5/21

Out: -2.735+/-0.052 χ^2/NDF:193080.9/24

All: -2.482+/-0.038 χ^2/NDF: 393124.5/46

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: 0.669+/-0.094 χ^2/NDF:3020.2/6

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 2.648+/-0.090 χ^2/NDF:4242.1/5

Left: 1.699+/-0.065 χ^2/NDF: 7491.7/12

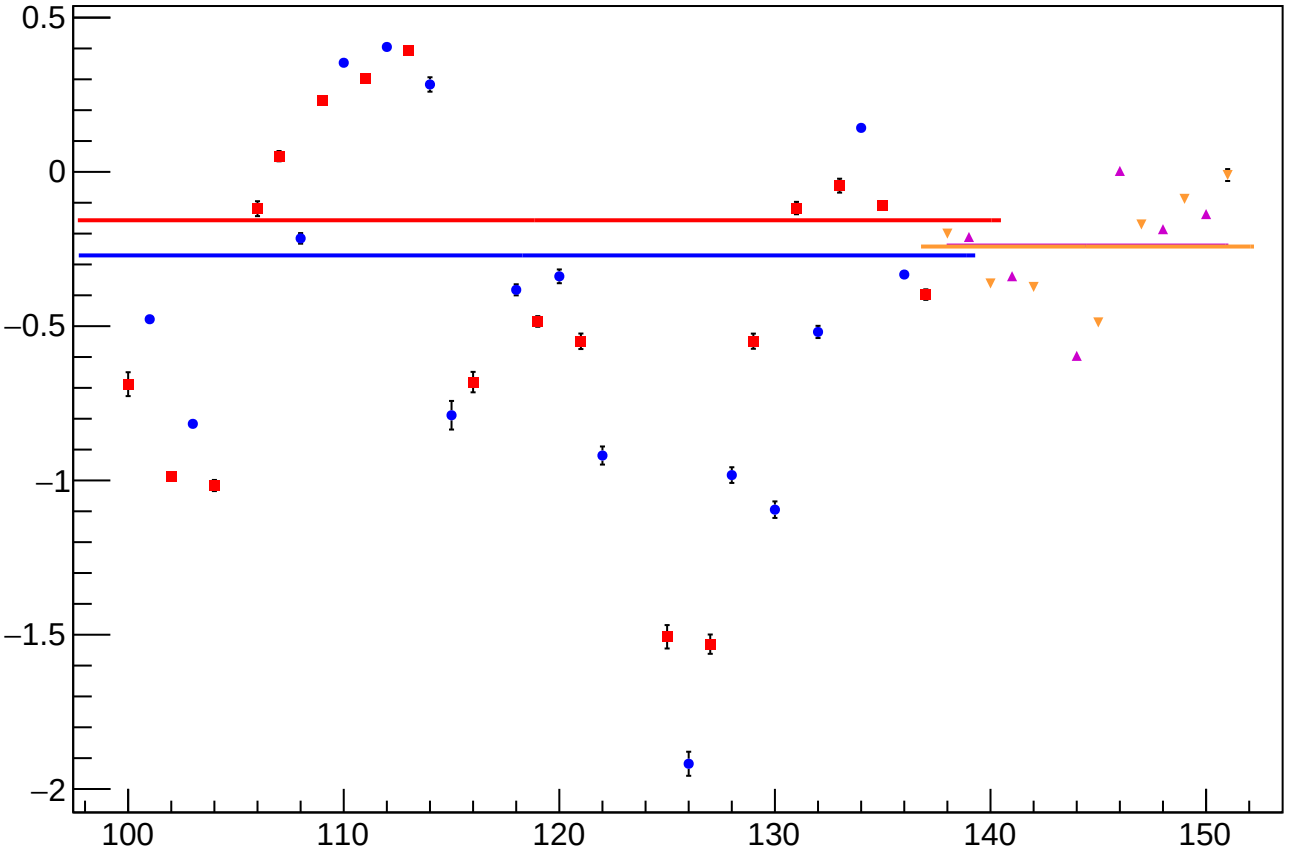
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: 0.002+/-0.055 χ^2/NDF:10143.7/21

Out: -0.837+/-0.053 χ^2/NDF:5867.8/24

All: -0.431+/-0.038 χ^2/NDF: 16131.4/46

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: -0.242+/-0.004 χ^2/NDF:975.3/6

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.239+/-0.004 χ^2/NDF:1399.9/5

Left: -0.240+/-0.003 χ^2/NDF: 2375.5/12

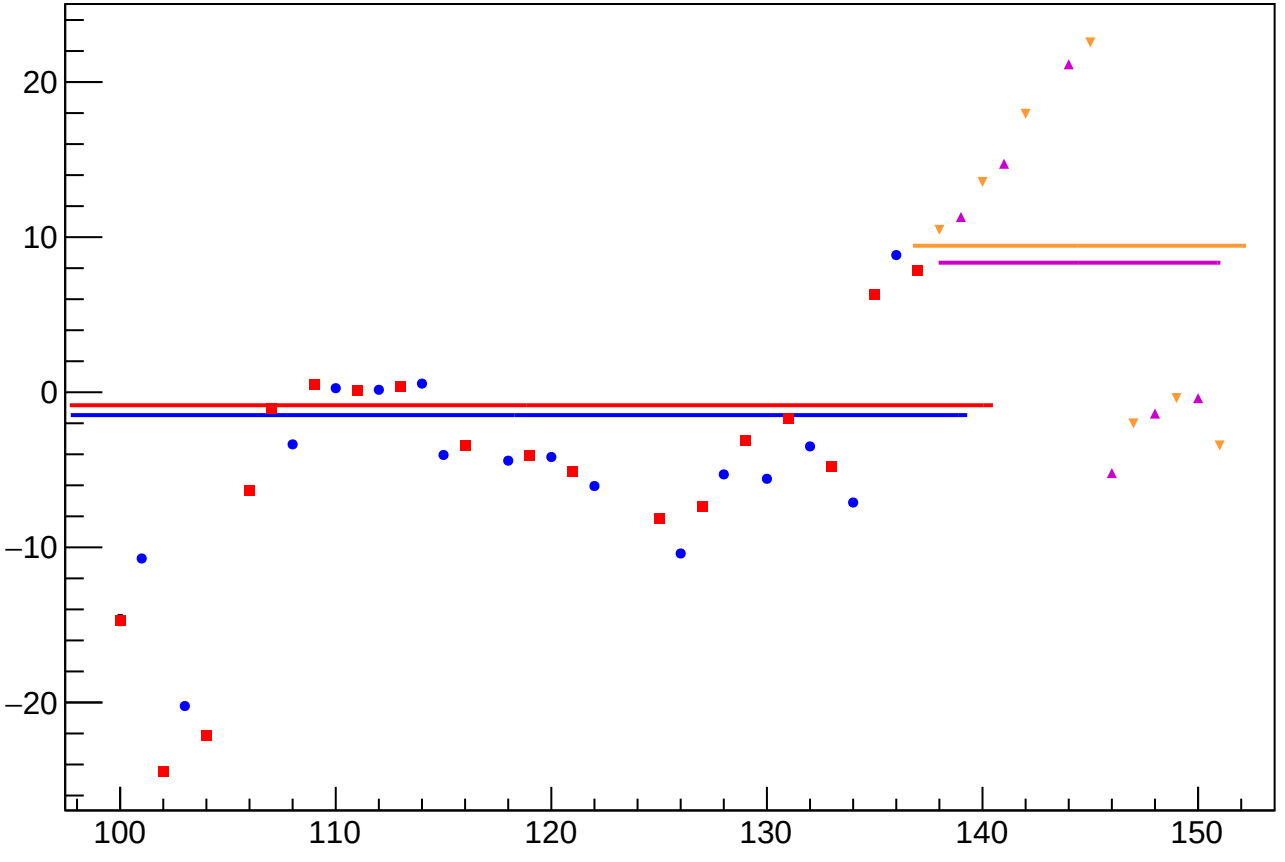
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.254+/-0.003 χ^2/NDF:13526.4/21

Out: -0.193+/-0.003 χ^2/NDF:16210.6/24

All: -0.224+/-0.002 χ^2/NDF: 29961.4/46

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: 9.448+/-0.036 χ^2/NDF:48660.1/6

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 8.354+/-0.035 χ^2/NDF:63308.0/5

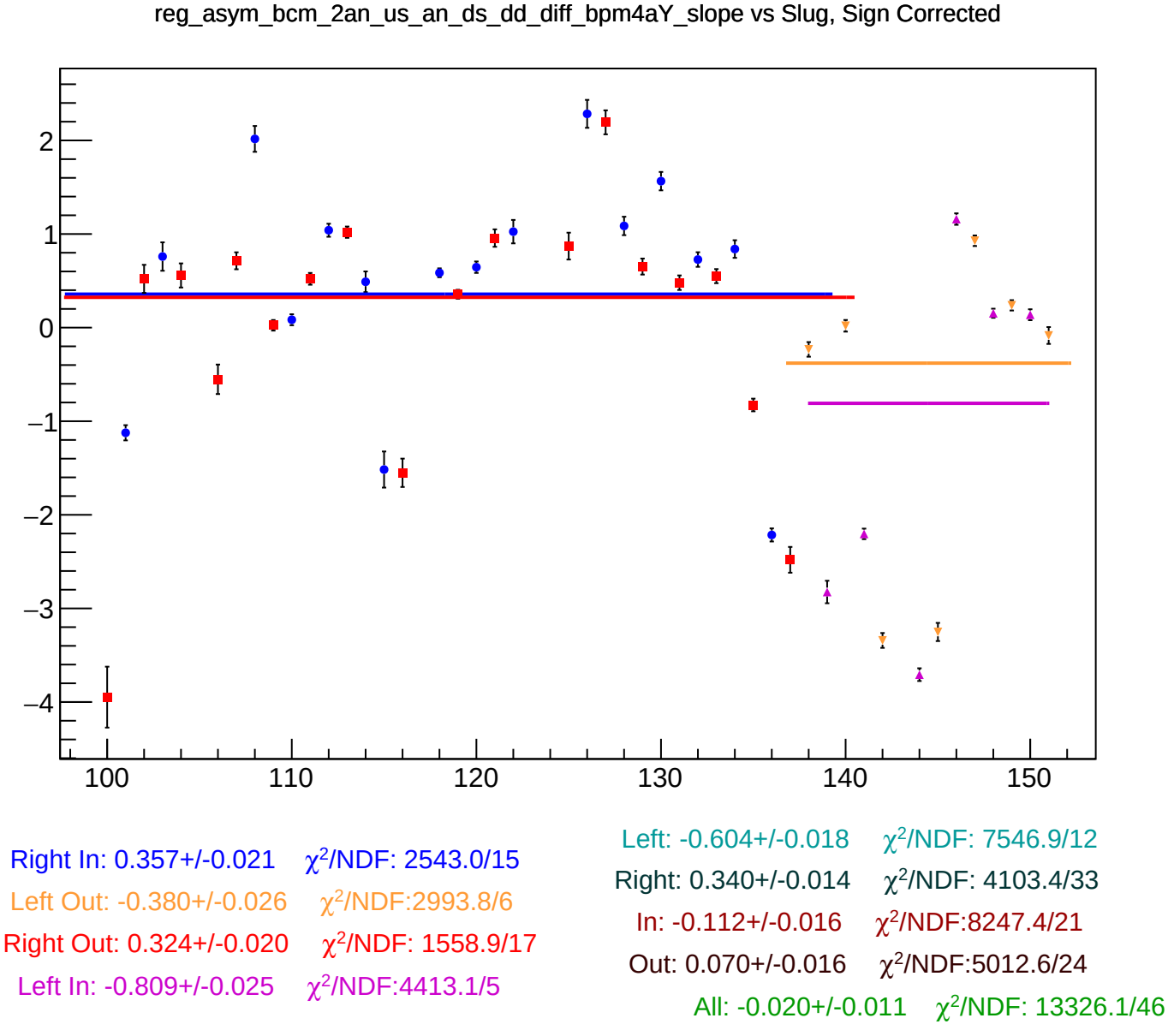
Left: 8.880+/-0.025 χ^2/NDF: 112446.8/12

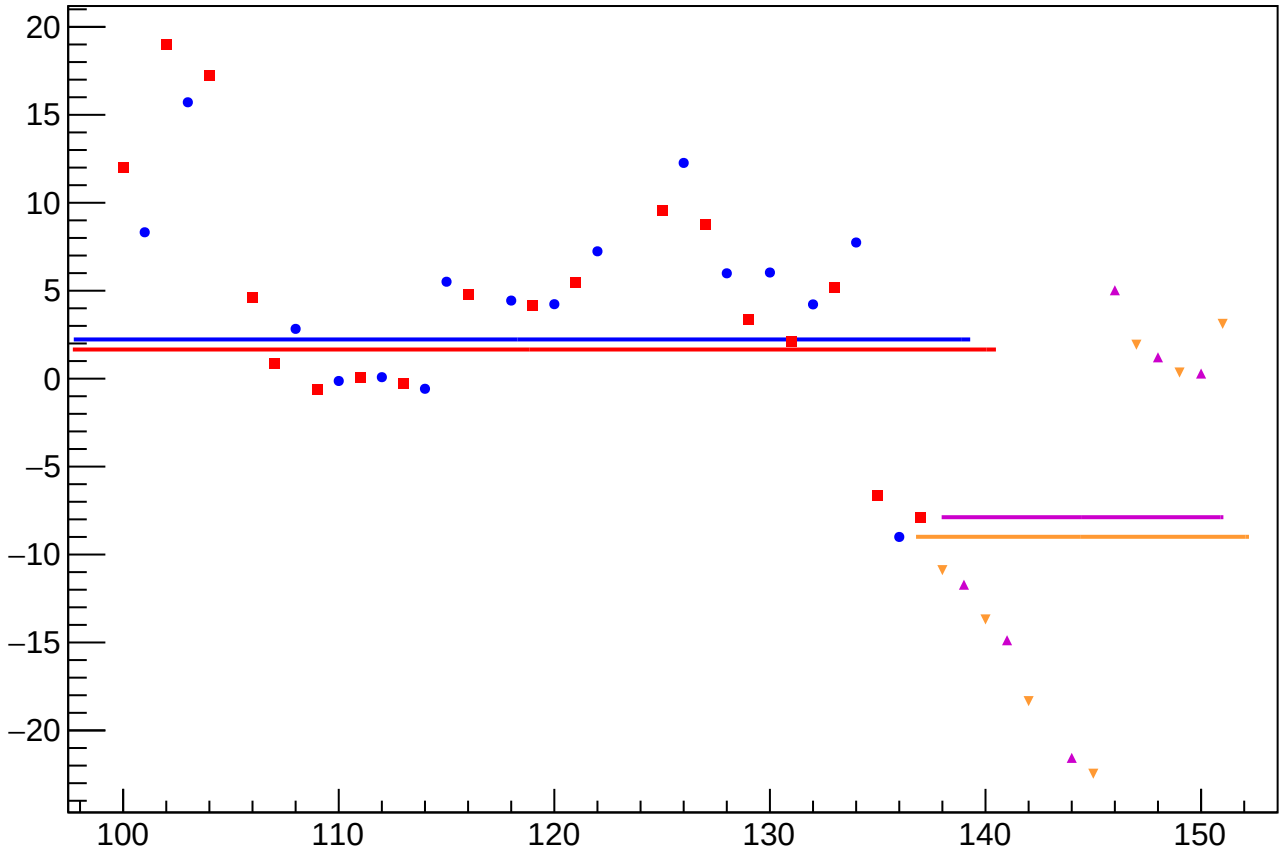
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.745+/-0.016 χ^2/NDF:199146.1/21

Out: 0.862+/-0.015 χ^2/NDF:194717.7/24

All: 0.810+/-0.011 χ^2/NDF: 393891.5/46


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: -0.380+/-0.026 χ²/NDF:2993.8/6
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: -0.809+/-0.025 χ²/NDF:4413.1/5
Left: -0.604+/-0.018 χ²/NDF: 7546.9/12
Right: 0.340+/-0.014 χ²/NDF: 4103.4/33
In: -0.112+/-0.016 χ²/NDF:8247.4/21
Out: 0.070+/-0.016 χ²/NDF:5012.6/24
All: -0.020+/-0.011 χ²/NDF: 13326.1/46



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -8.991+/-0.036 χ^2/NDF:51344.7/6

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -7.877+/-0.035 χ^2/NDF:66774.7/5

Left: -8.410+/-0.025 χ^2/NDF: 118617.4/12

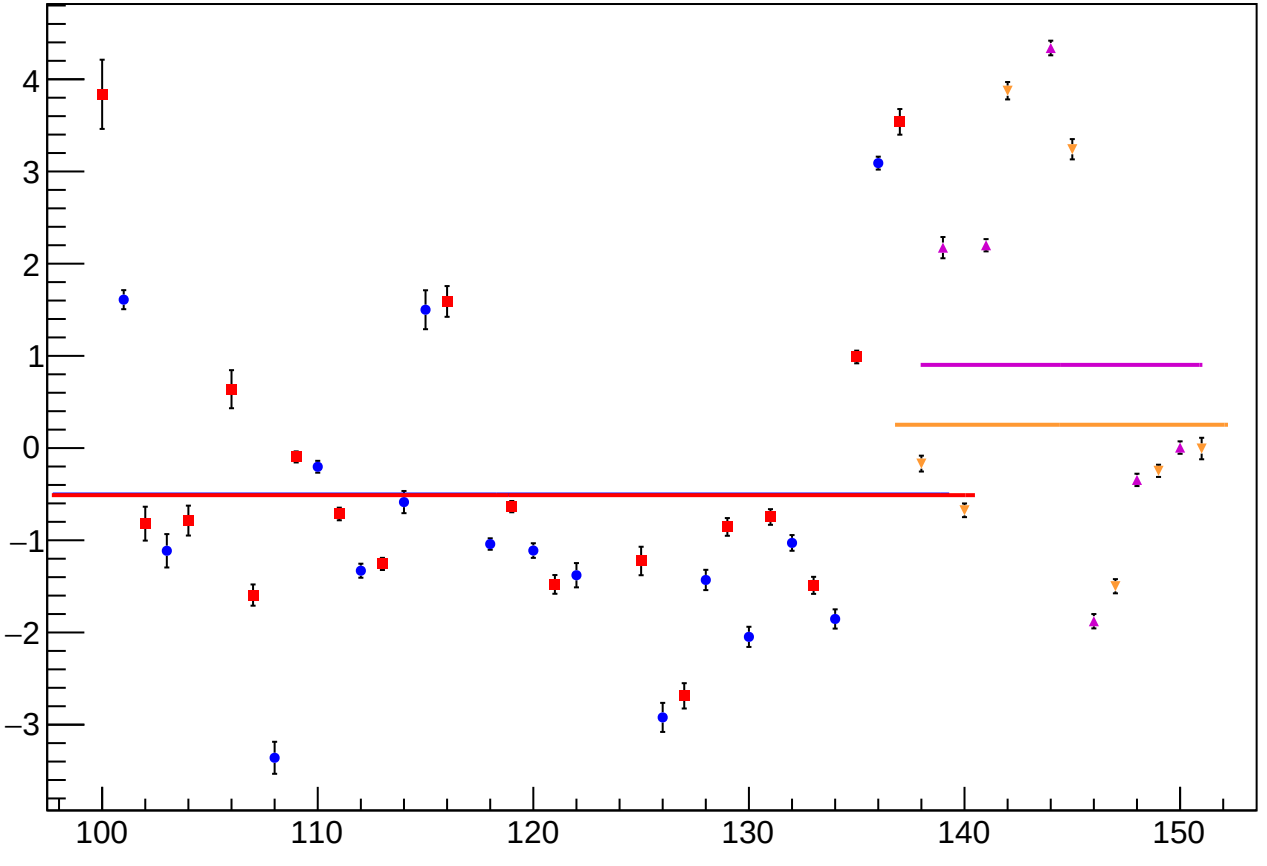
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.738+/-0.019 χ^2/NDF:196501.9/21

Out: -0.932+/-0.018 χ^2/NDF:190081.1/24

All: -0.840+/-0.013 χ^2/NDF: 386639.4/46

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: 0.253+/-0.032 χ^2/NDF:2971.4/6

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.902+/-0.031 χ^2/NDF:4170.1/5

Left: 0.591+/-0.022 χ^2/NDF: 7357.0/12

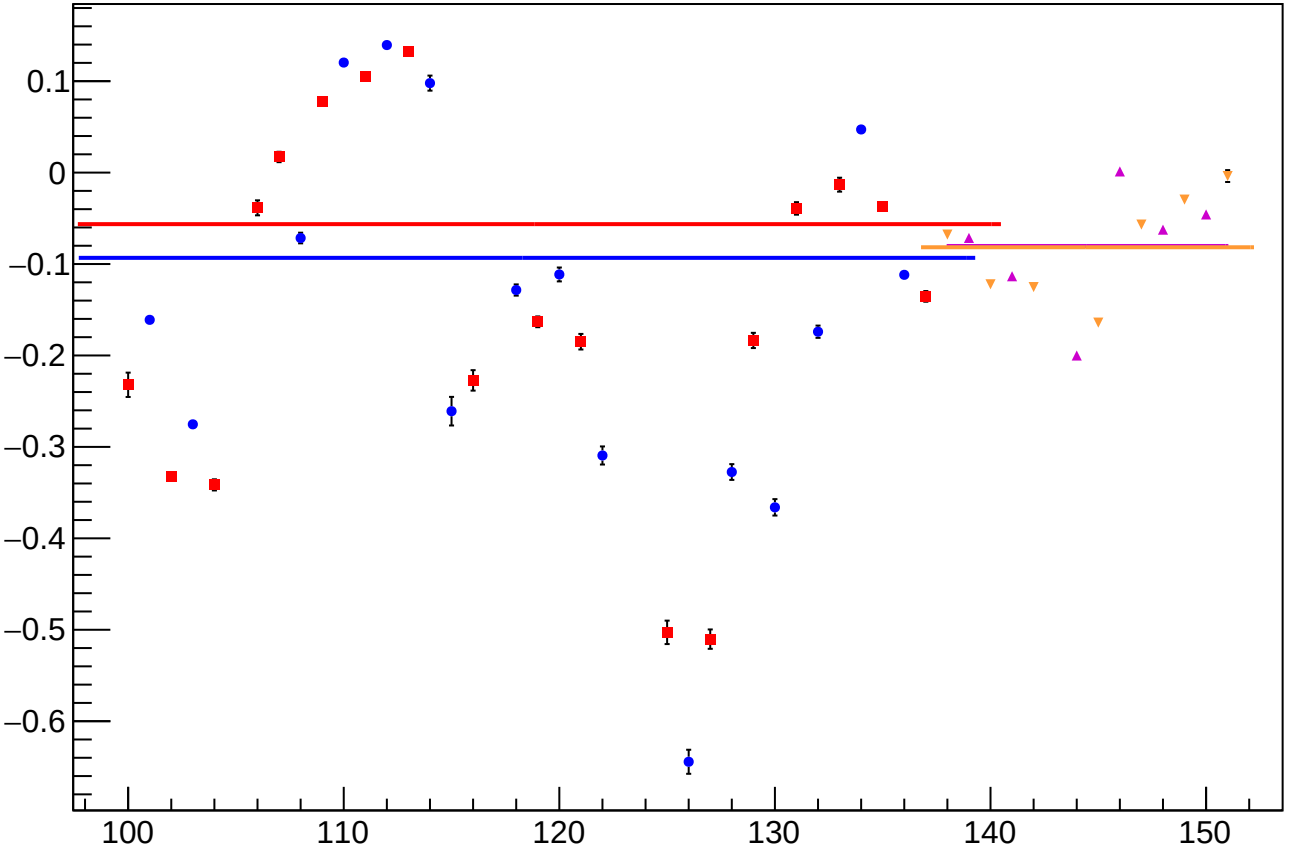
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: 0.024+/-0.019 χ^2/NDF:9935.8/21

Out: -0.261+/-0.018 χ^2/NDF:5780.3/24

All: -0.122+/-0.013 χ^2/NDF: 15834.2/46

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: -0.082+/-0.001 χ^2/NDF:965.3/6

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.080+/-0.001 χ^2/NDF:1380.0/5

Left: -0.081+/-0.001 χ^2/NDF: 2345.8/12

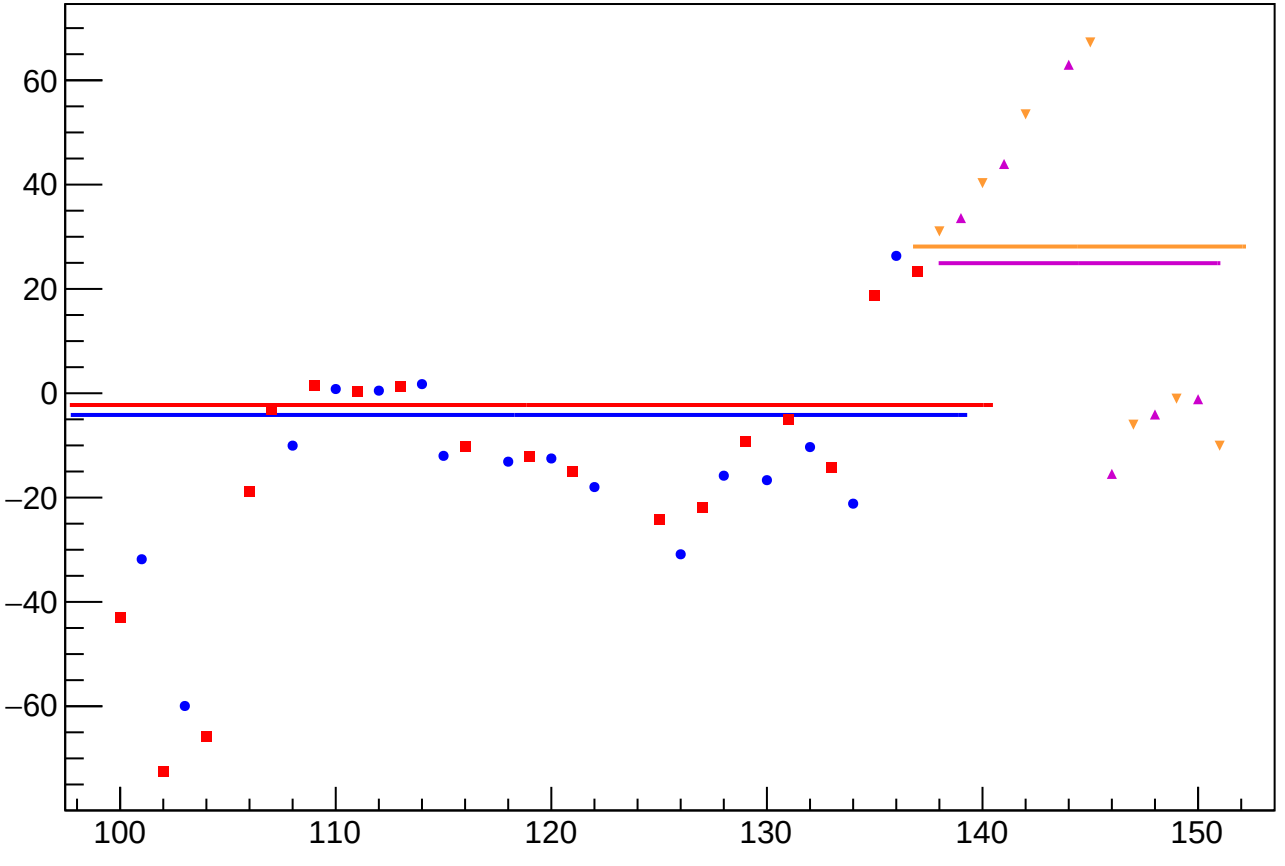
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.087+/-0.001 χ^2/NDF:13165.8/21

Out: -0.067+/-0.001 χ^2/NDF:15586.6/24

All: -0.077+/-0.001 χ^2/NDF: 28942.0/46

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 28.128+/-0.106 χ^2/NDF:49206.4/6

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 24.937+/-0.102 χ^2/NDF:64265.8/5

Left: 26.474+/-0.074 χ^2/NDF: 113940.7/12

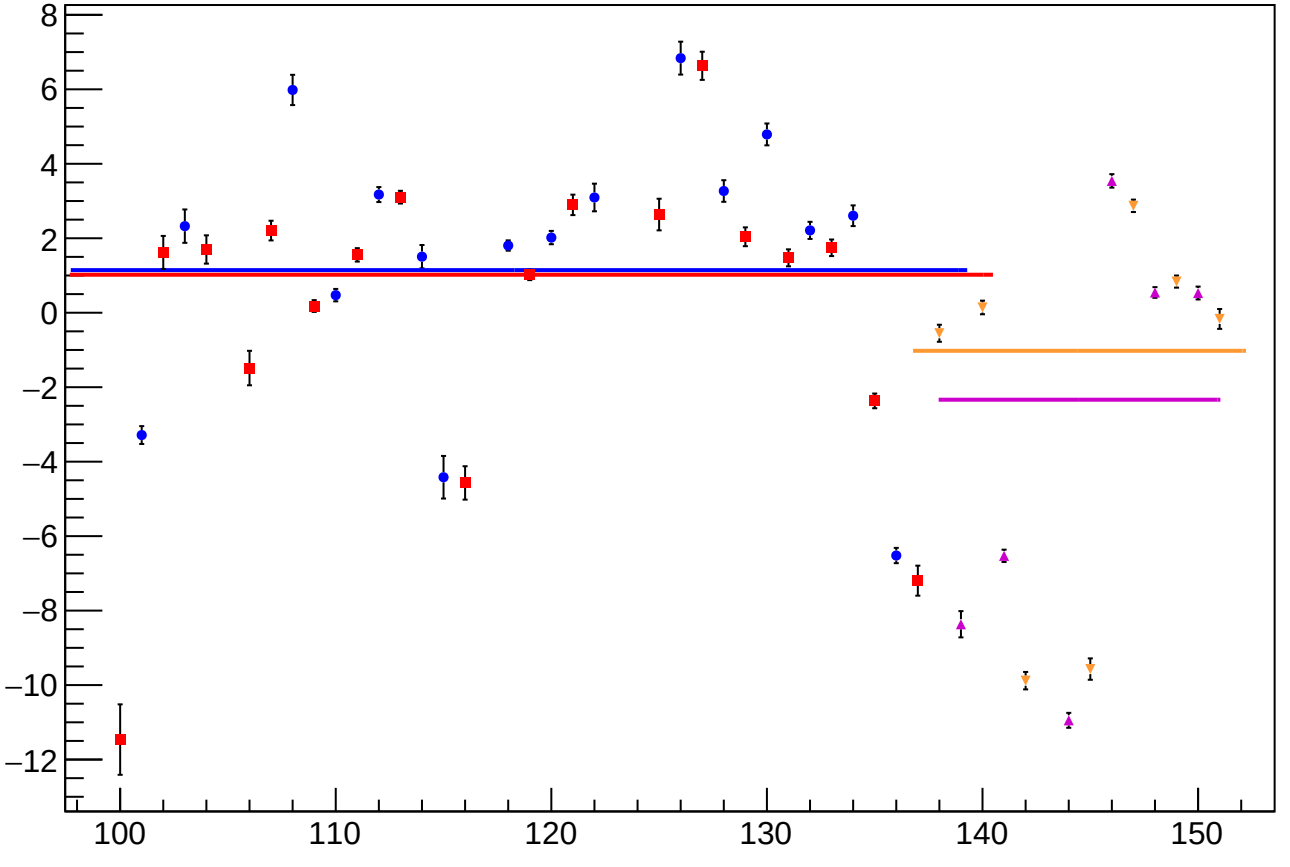
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 2.250+/-0.048 χ^2/NDF:202746.5/21

Out: 2.547+/-0.042 χ^2/NDF:197841.5/24

All: 2.418+/-0.032 χ^2/NDF: 400609.8/46

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: -1.022+/-0.077 χ^2/NDF:3045.6/6

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -2.336+/-0.074 χ^2/NDF:4506.9/5

Left: -1.708+/-0.054 χ^2/NDF: 7702.8/12

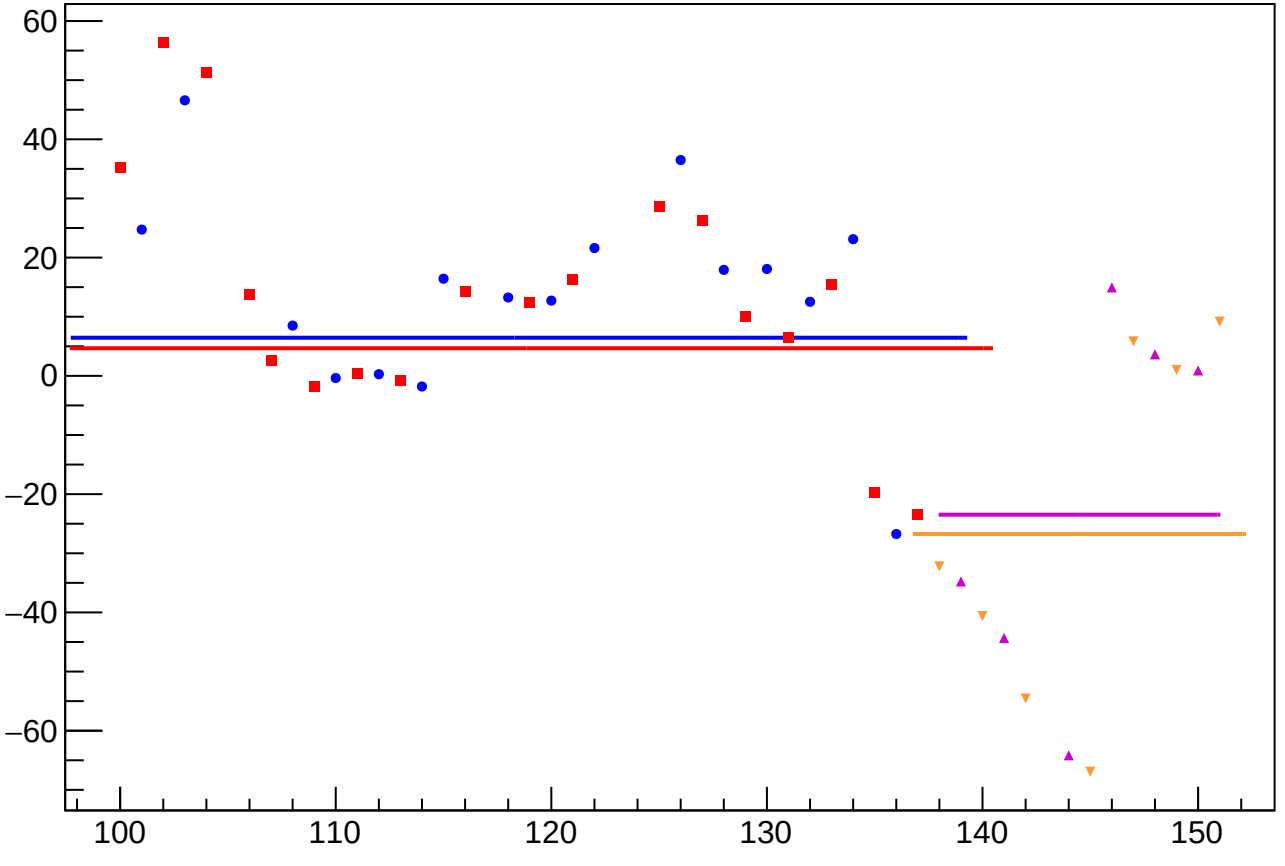
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: -0.238+/-0.047 χ^2/NDF:8432.6/21

Out: 0.300+/-0.046 χ^2/NDF:5087.7/24

All: 0.035+/-0.033 χ^2/NDF: 13587.6/46

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: -26.735+/-0.106 χ^2/NDF:51919.1/6

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -23.471+/-0.102 χ^2/NDF:67780.8/5

Left: -25.033+/-0.074 χ^2/NDF: 120191.4/12

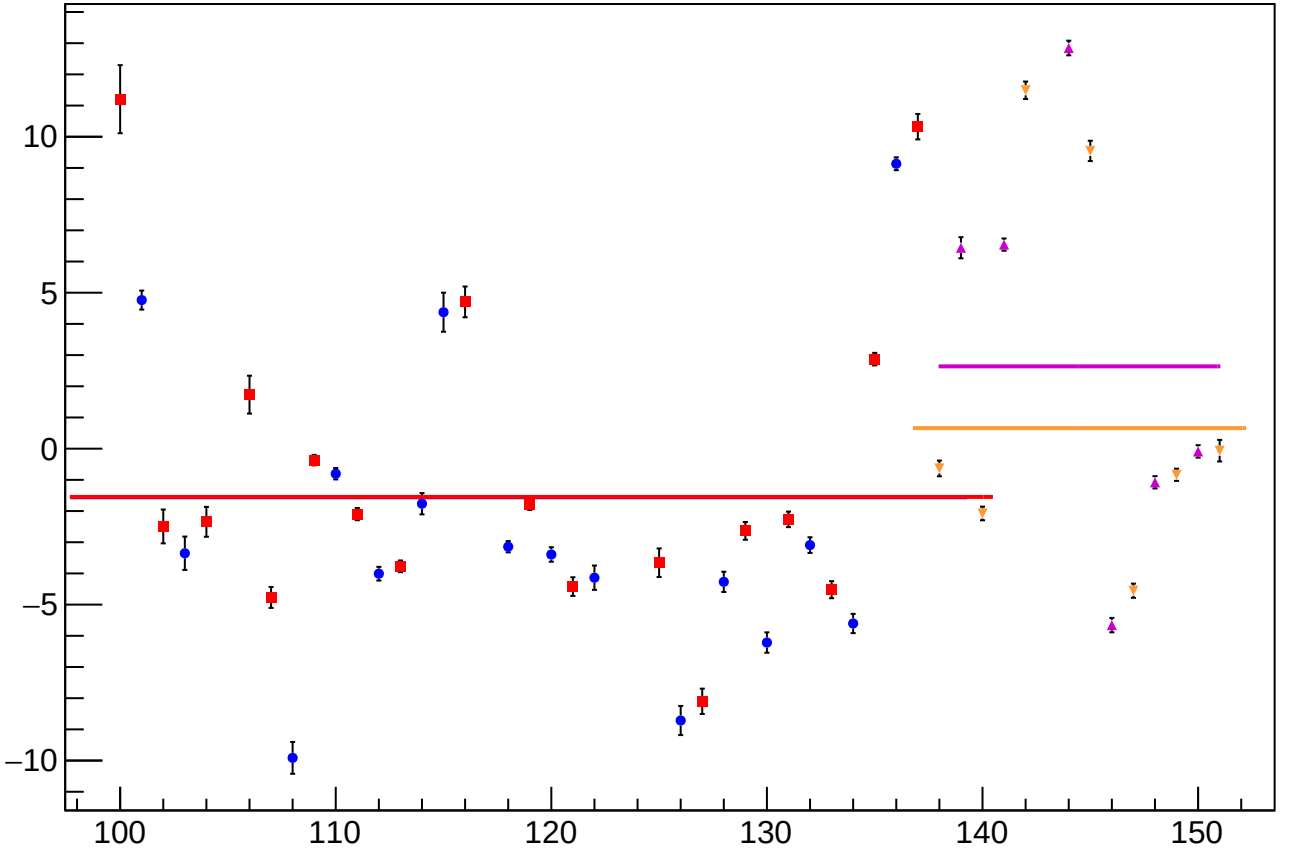
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -2.193+/-0.055 χ^2/NDF:200003.1/21

Out: -2.728+/-0.052 χ^2/NDF:193071.9/24

All: -2.476+/-0.038 χ^2/NDF: 393125.5/46

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: 0.658+/-0.094 χ^2/NDF:3021.3/6

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 2.639+/-0.090 χ^2/NDF:4243.9/5

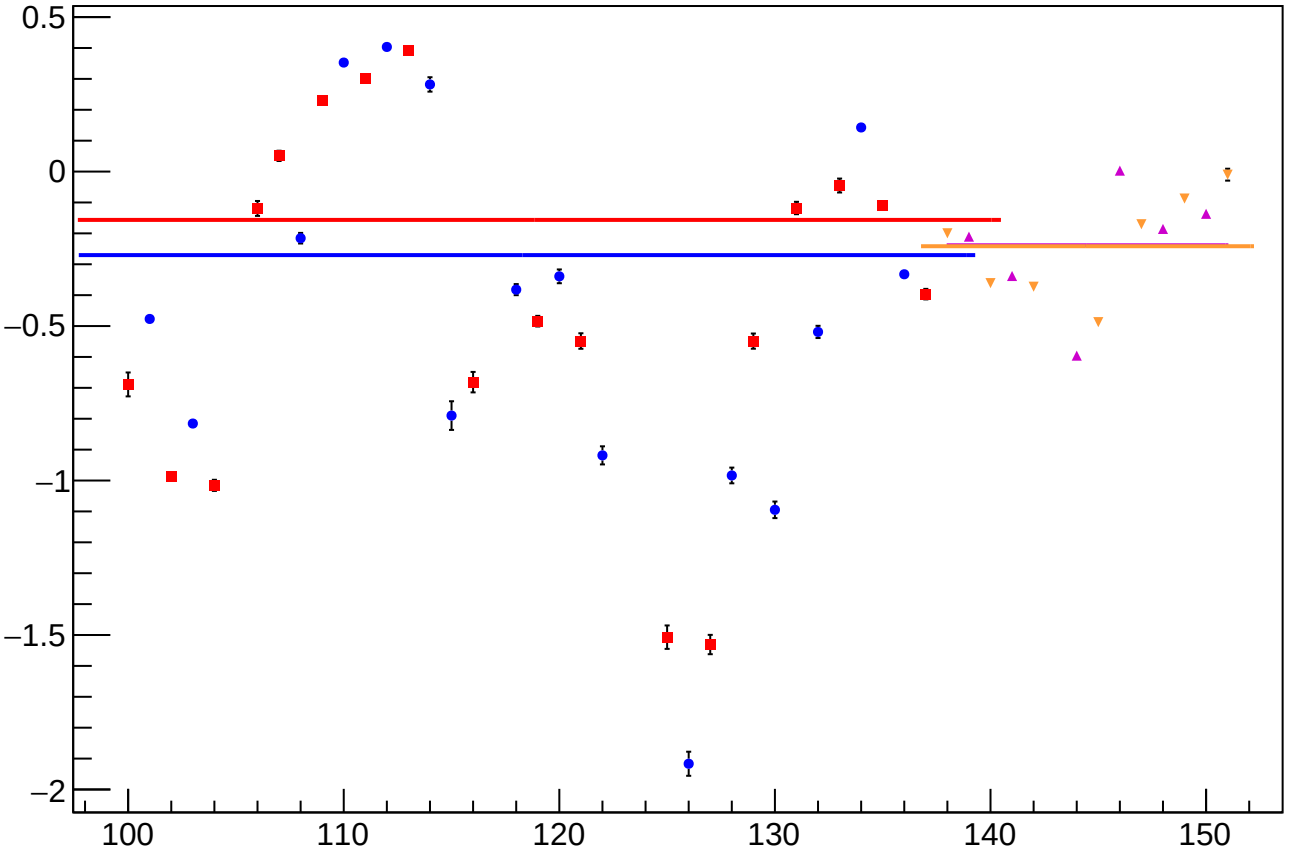
Left: 1.690+/-0.065 χ^2/NDF: 7495.3/12

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.006+/-0.055 χ^2/NDF:10145.9/21

Out: -0.843+/-0.053 χ^2/NDF:5864.2/24

All: -0.438+/-0.038 χ^2/NDF: 16129.7/46



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.242+/-0.004 χ^2/NDF:974.8/6

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.239+/-0.004 χ^2/NDF:1400.0/5

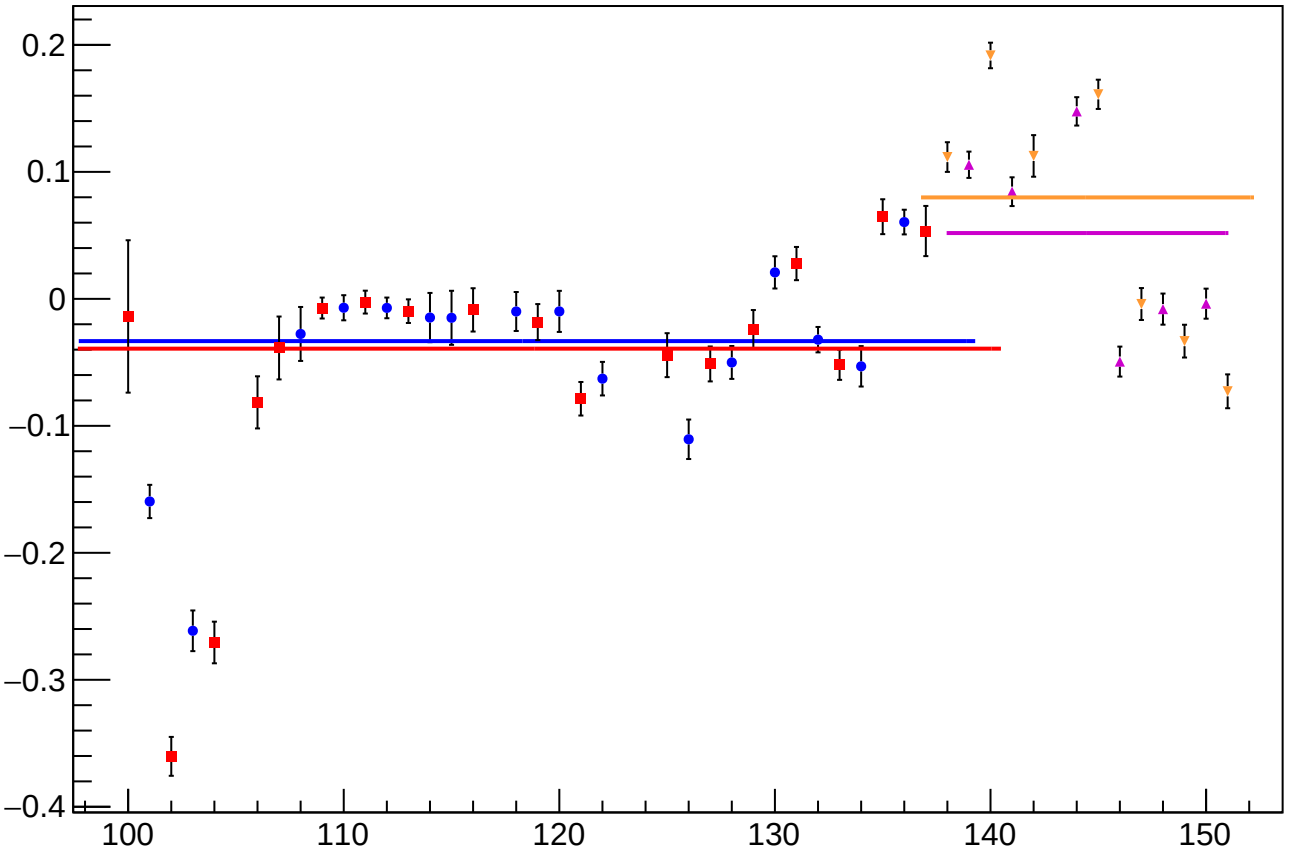
Left: -0.240+/-0.003 χ^2/NDF: 2375.1/12

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.254+/-0.003 χ^2/NDF:13527.0/21

Out: -0.193+/-0.003 χ^2/NDF:16221.9/24

All: -0.223+/-0.002 χ^2/NDF: 29974.4/46



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.080+/-0.005 χ^2/NDF:437.0/6

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.052+/-0.005 χ^2/NDF:228.3/5

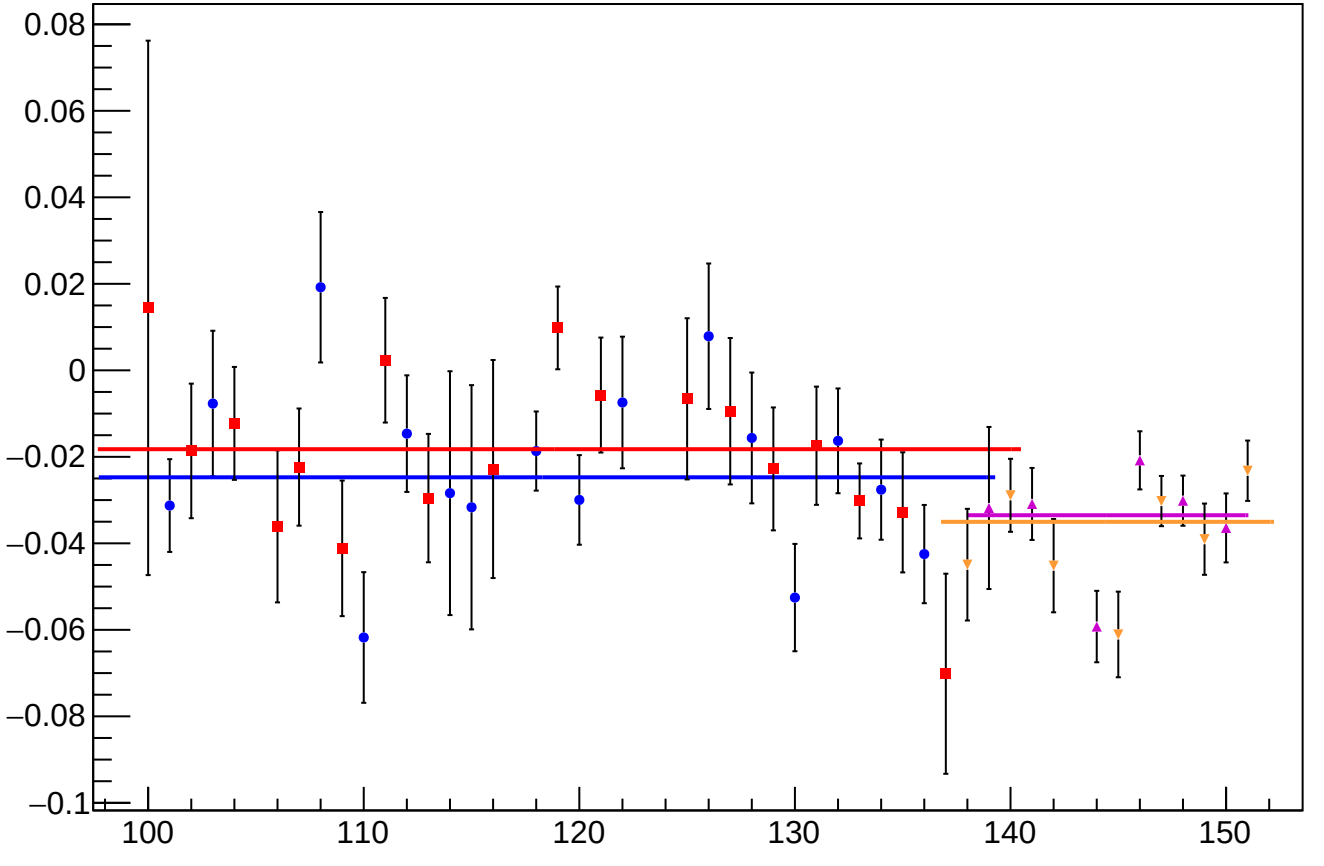
Left: 0.066+/-0.003 χ^2/NDF: 683.5/12

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.006+/-0.003 χ^2/NDF:918.0/21

Out: -0.001+/-0.003 χ^2/NDF:1692.3/24

All: -0.003+/-0.002 χ^2/NDF: 2611.8/46



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.035+/-0.003 χ^2/NDF:12.7/6

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.034+/-0.003 χ^2/NDF:13.9/5

Left: -0.034+/-0.002 χ^2/NDF: 26.7/12

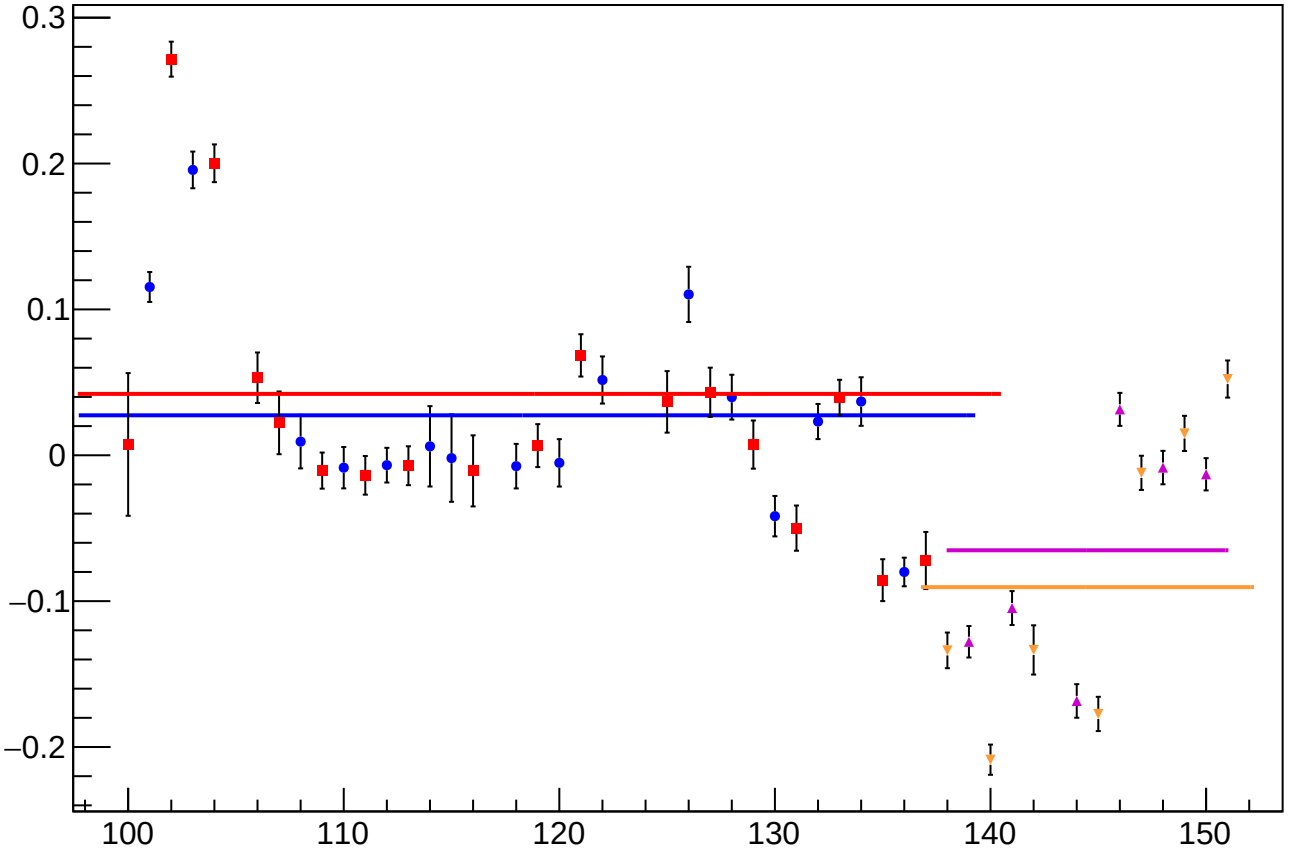
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:46.0/21

Out: -0.027+/-0.002 χ^2/NDF:50.8/24

All: -0.028+/-0.002 χ^2/NDF: 97.2/46

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: -0.090+/-0.005 χ^2/NDF:451.1/6

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.065+/-0.005 χ^2/NDF:245.6/5

Left: -0.078+/-0.003 χ^2/NDF: 711.7/12

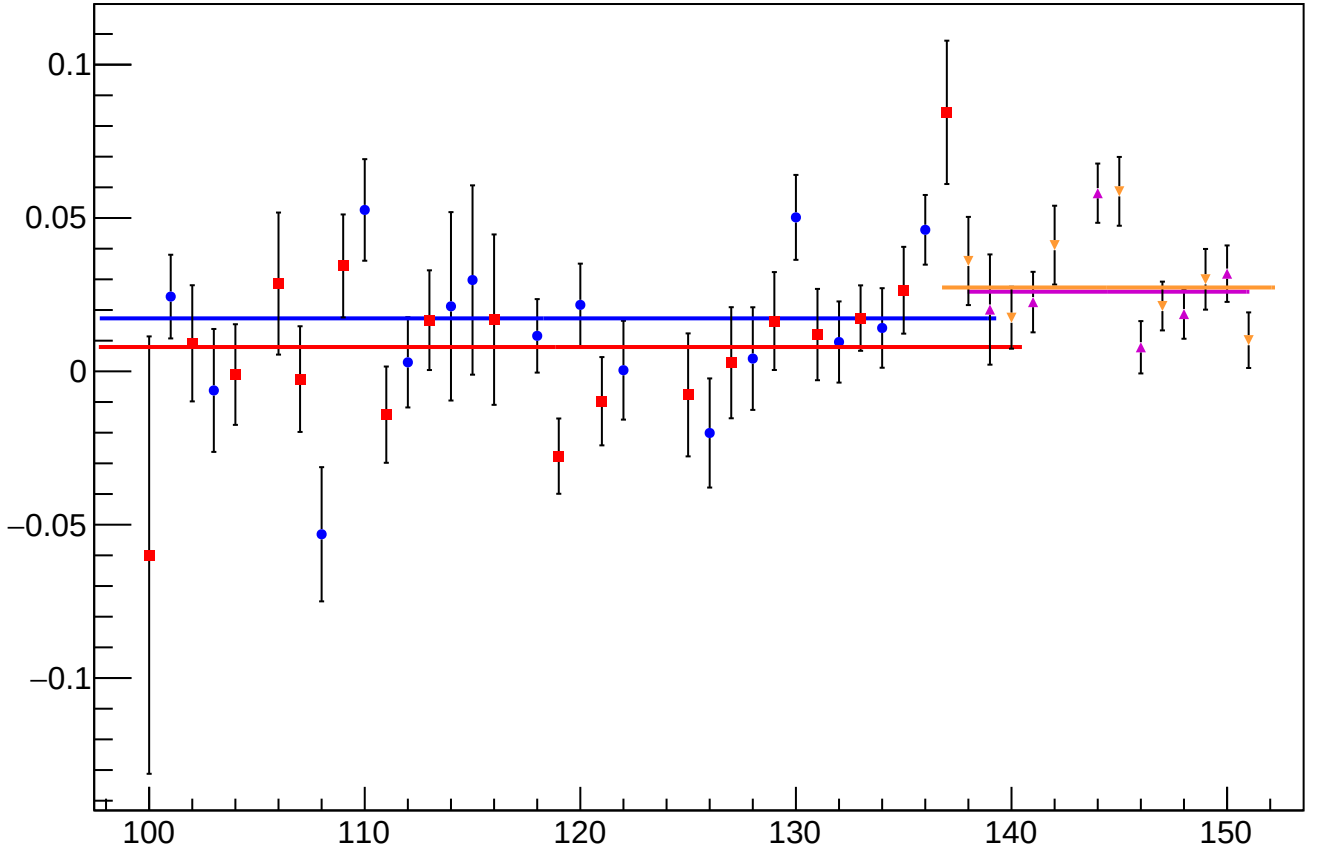
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.007+/-0.003 χ^2/NDF:943.7/21

Out: -0.009+/-0.003 χ^2/NDF:1693.6/24

All: -0.008+/-0.002 χ^2/NDF: 2637.4/46

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.027+/-0.004 χ^2/NDF:14.5/6

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.026+/-0.004 χ^2/NDF:17.0/5

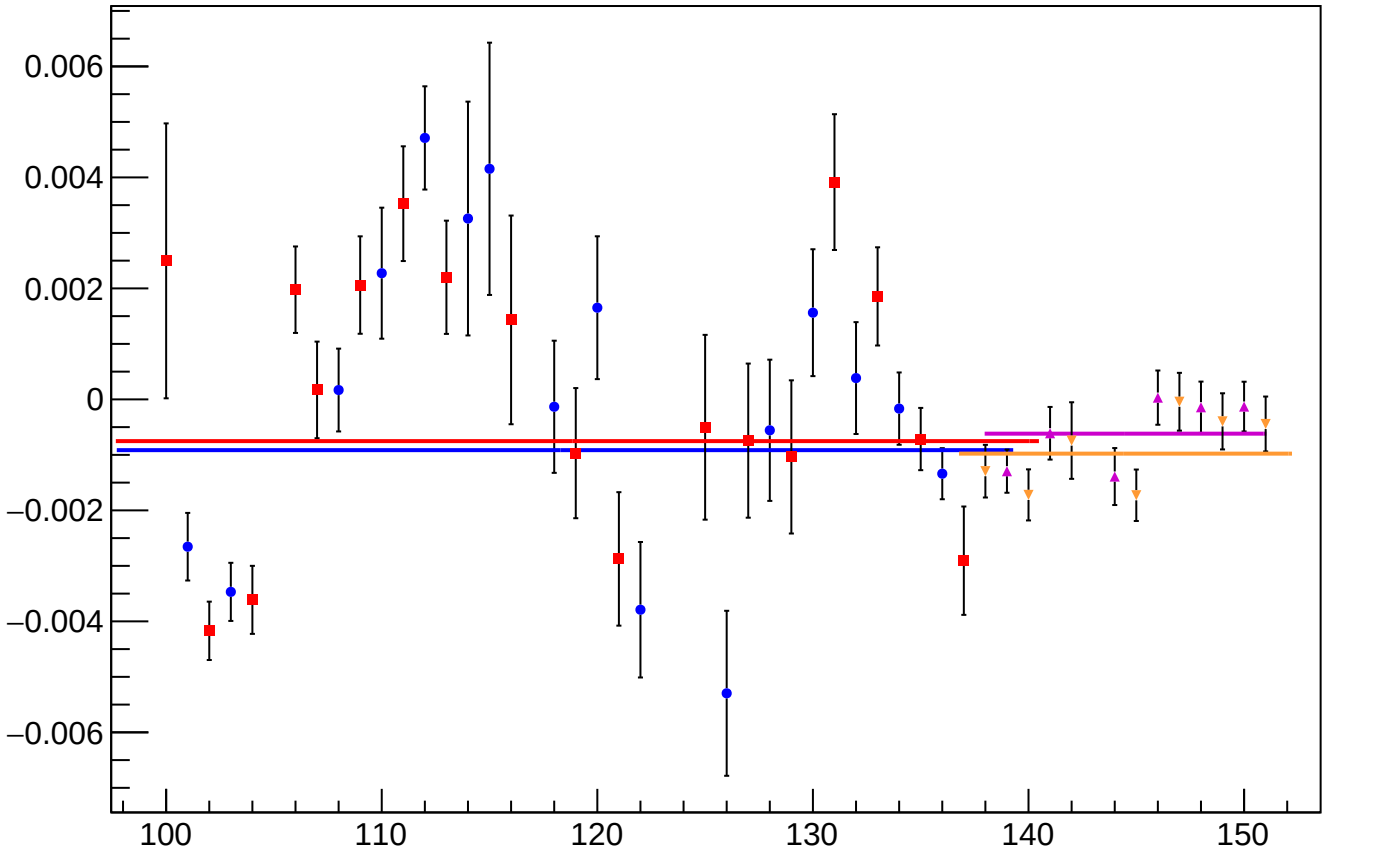
Left: 0.027+/-0.003 χ^2/NDF: 31.6/12

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

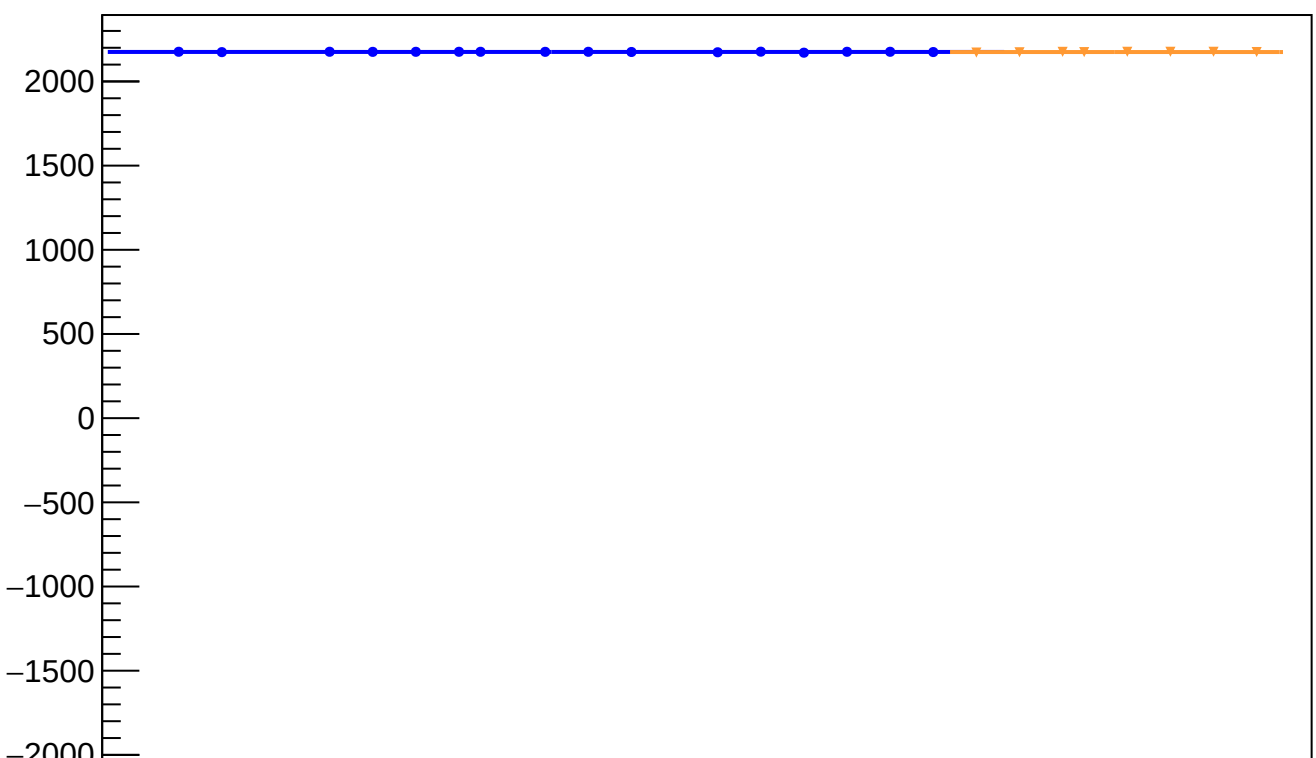
In: 0.022+/-0.003 χ^2/NDF:56.2/21

Out: 0.018+/-0.003 χ^2/NDF:58.4/24

All: 0.020+/-0.002 χ^2/NDF: 115.5/46


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
110
120
130
140
150
Right In: -0.001+/-0.000 χ²/NDF: 114.1/15
Left Out: -0.001+/-0.000 χ²/NDF:11.5/6
Right Out: -0.001+/-0.000 χ²/NDF: 147.6/17
Left In: -0.001+/-0.000 χ²/NDF:9.3/5
Left: -0.001+/-0.000 χ²/NDF: 22.6/12
Right: -0.001+/-0.000 χ²/NDF: 261.9/33
In: -0.001+/-0.000 χ²/NDF:124.5/21
Out: -0.001+/-0.000 χ²/NDF:159.7/24
All: -0.001+/-0.000 χ²/NDF: 284.6/46

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.669+/-0.000 χ^2/NDF:157959418238497245006415535905177 6.0/7

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.130+/-0.000 χ^2/NDF:183875348723085190785132936770 3552.0/5

Left: 186.646+/-0.000 χ^2/NDF: 5585002063550406

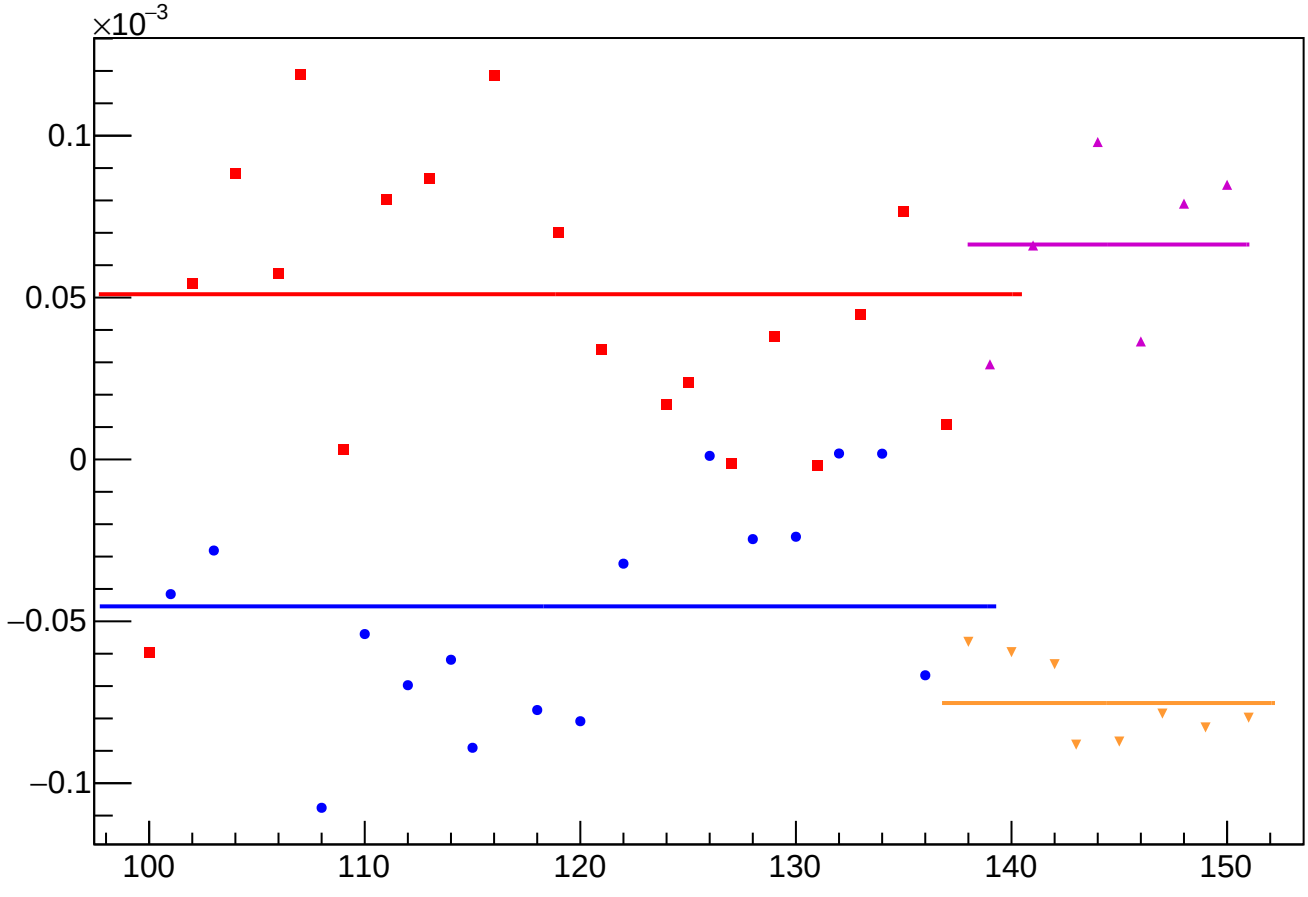
Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

In: 333.928+/-0.000 χ^2/NDF:59341586416567909

Out: -180.393+/-0.000 χ^2/NDF:661643232075442

All: 64.931+/-0.000 χ^2/NDF: 127283713846

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 71313208137812237772390 4.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:904754578963663327068 16.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 10119559107206471011532 80.0/18

Left In: 0.000+/-0.000 χ^2/NDF:33851516706834321558732 8.0/5

Left: -0.000+/-0.000 χ^2/NDF: 63518578925314366

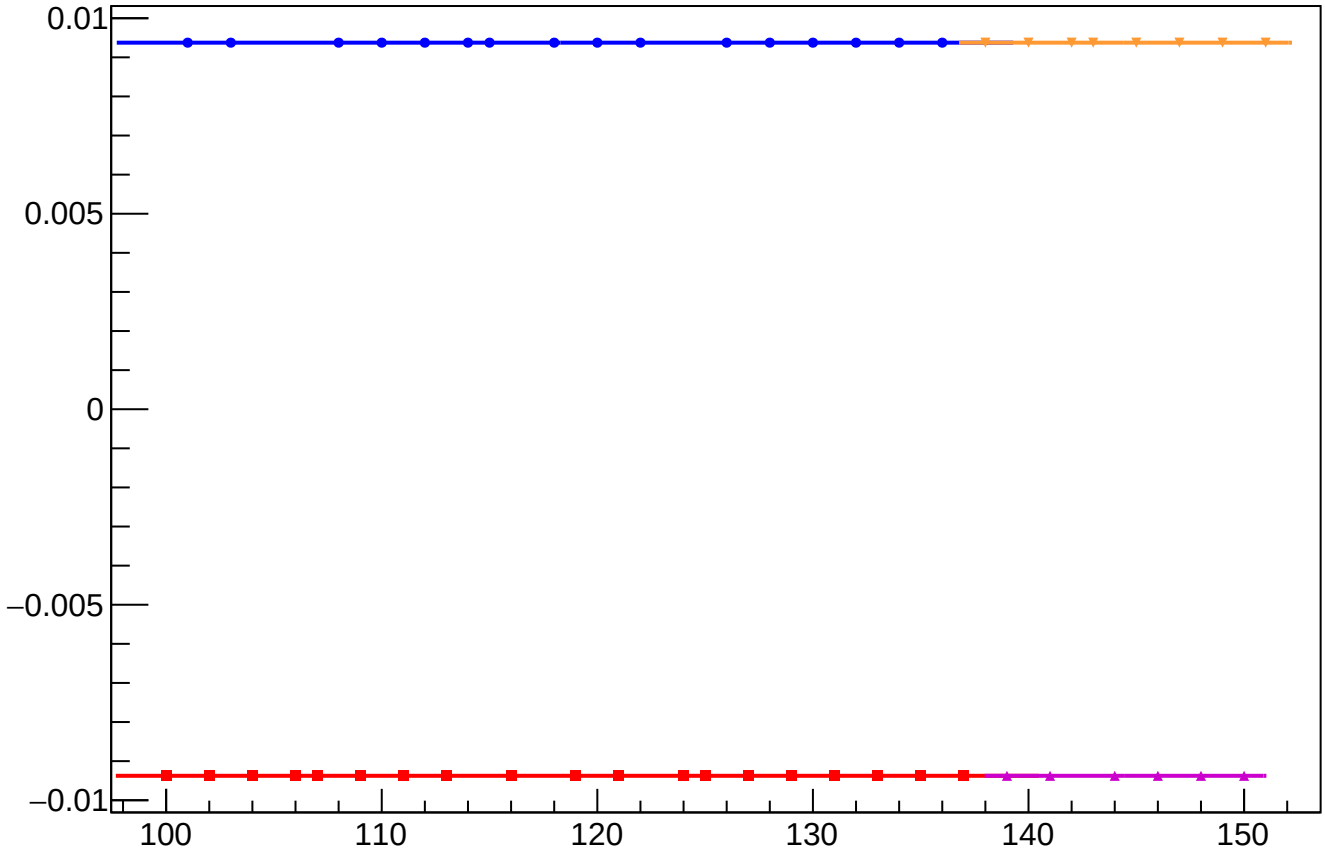
Right: 0.000+/-0.000 χ^2/NDF: 52193568733401849

In: 0.000+/-0.000 χ^2/NDF:49701884506726911 89

Out: -0.000+/-0.000 χ^2/NDF:66797368194164050

All: -0.000+/-0.000 χ^2/NDF: 1170190290442

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:0.0/7

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/5

Left: 0.001+/-0.000 χ^2/NDF: 103821428571428202

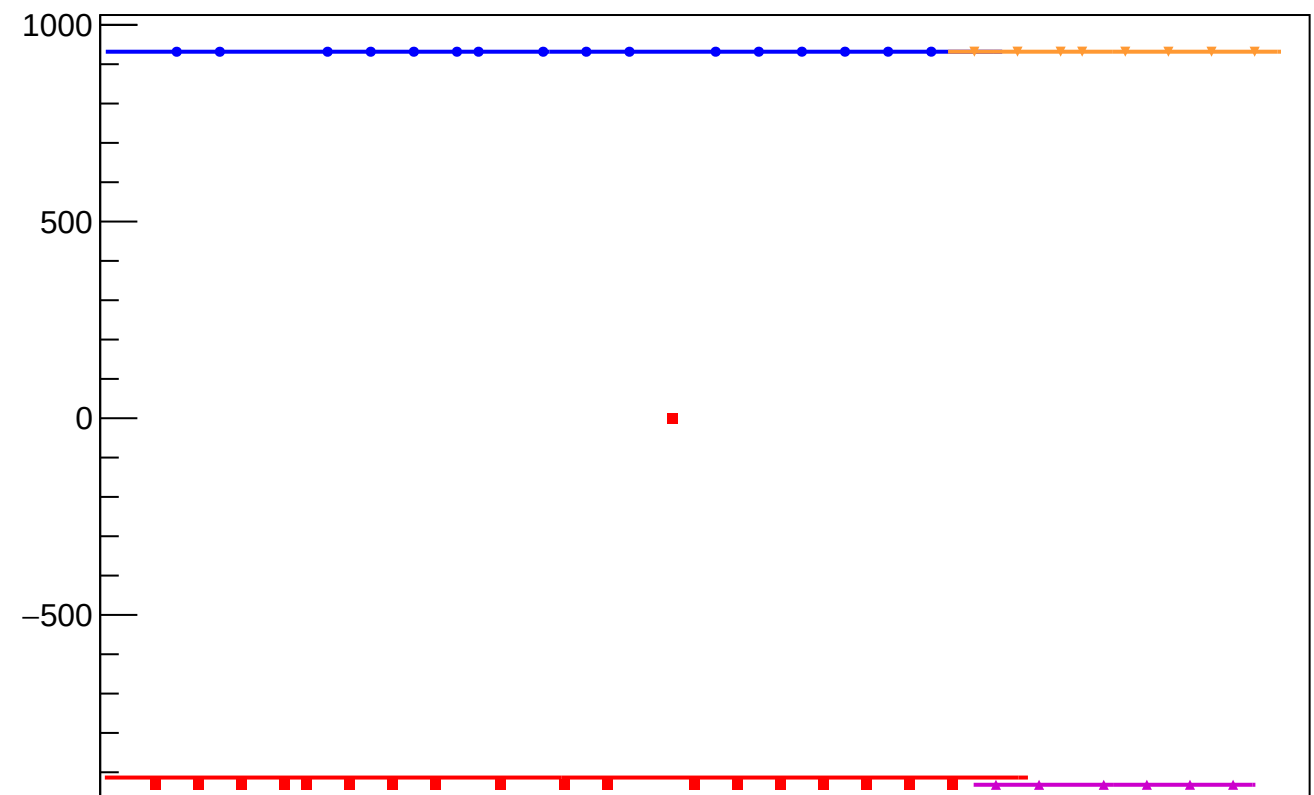
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:110285019455252679

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: 0.000+/-0.000 χ^2/NDF: 2365685464226

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 27572172235950011871676858368000.0/15

Left Out: 931.811+/-0.000 χ^2/NDF:2902216348034832295372787810304.0/7

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.806+/-0.000 χ^2/NDF:22722131884333230613258064363520.0/5

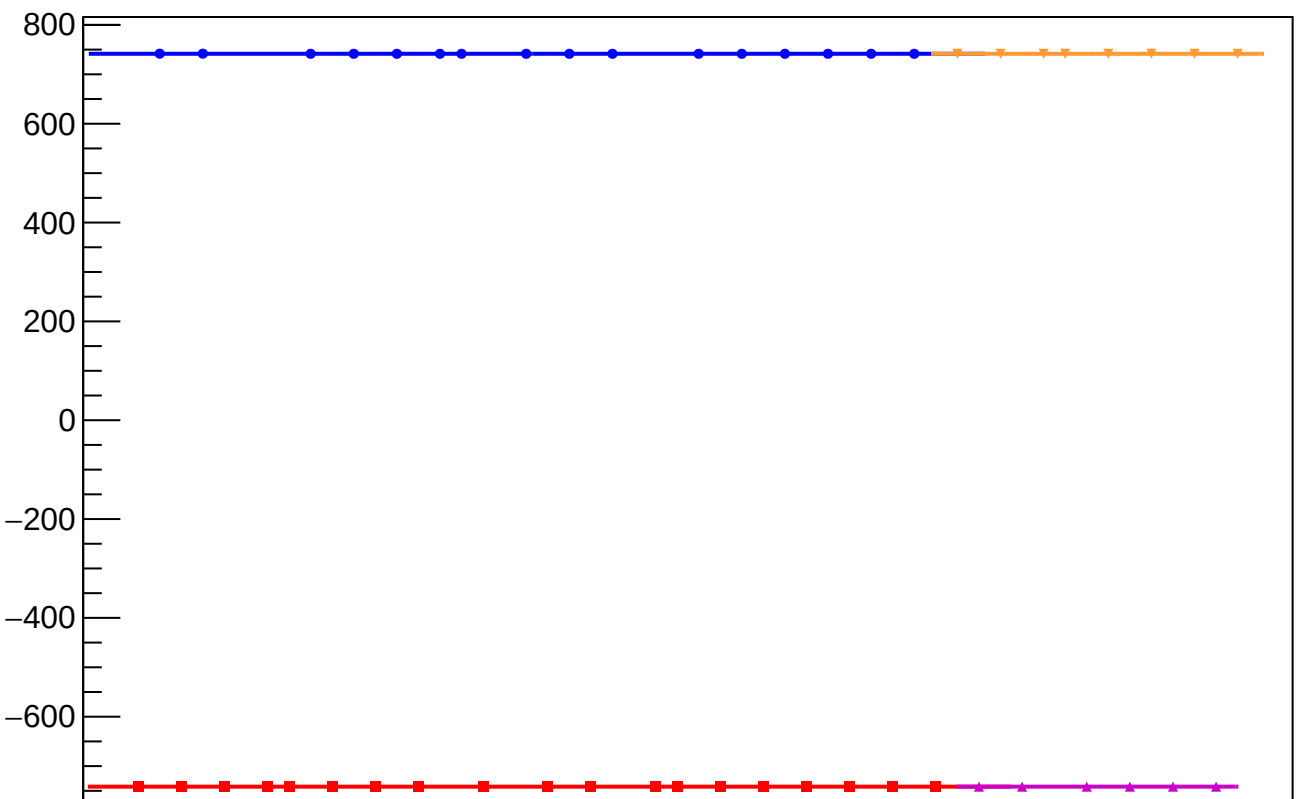
Left: 79.872+/-0.000 χ^2/NDF: 10256461751780754

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 142.831+/-0.000 χ^2/NDF:10894511690909842

Out: -67.431+/-0.000 χ^2/NDF:1203898225949028

All: 32.861+/-0.000 χ^2/NDF: 2323061981156



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.524+/-0.000 χ^2/NDF:457394332483259234031962685 44.0/7

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761 5616.0/18

Left In: -741.526+/-0.000 χ^2/NDF:171886560422736584730445086 72.0/5

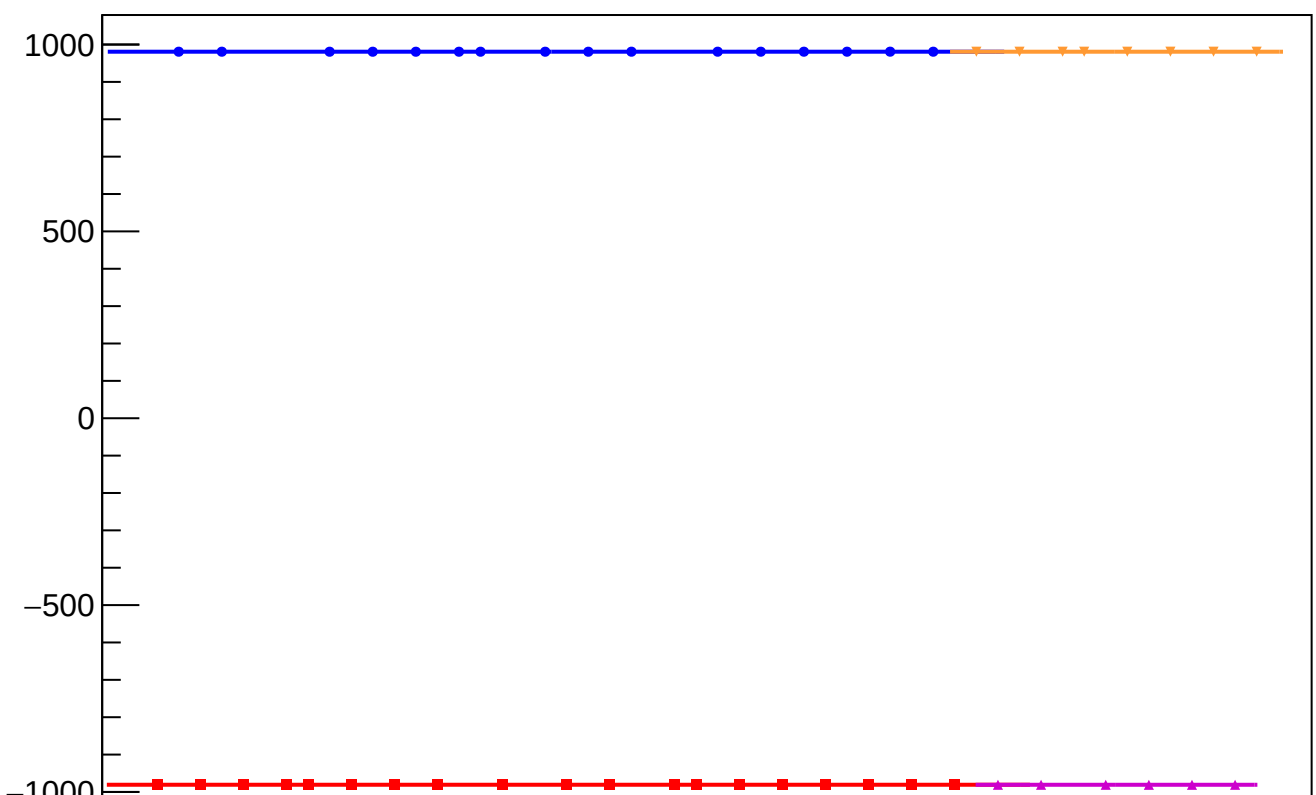
Left: 63.558+/-0.000 χ^2/NDF: 6495257466475053

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: 113.706+/-0.000 χ^2/NDF:69000451546281485

Out: -61.603+/-0.000 χ^2/NDF:7694627796507170

All: 22.017+/-0.000 χ^2/NDF: 1480122244212



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.783+/-0.000 χ^2/NDF:4662111843899069520287681740800/7

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

Left In: -980.796+/-0.000 χ^2/NDF:74258438019704553672937360588 0/5

Left: 84.061+/-0.000 χ^2/NDF: 1136307813981209

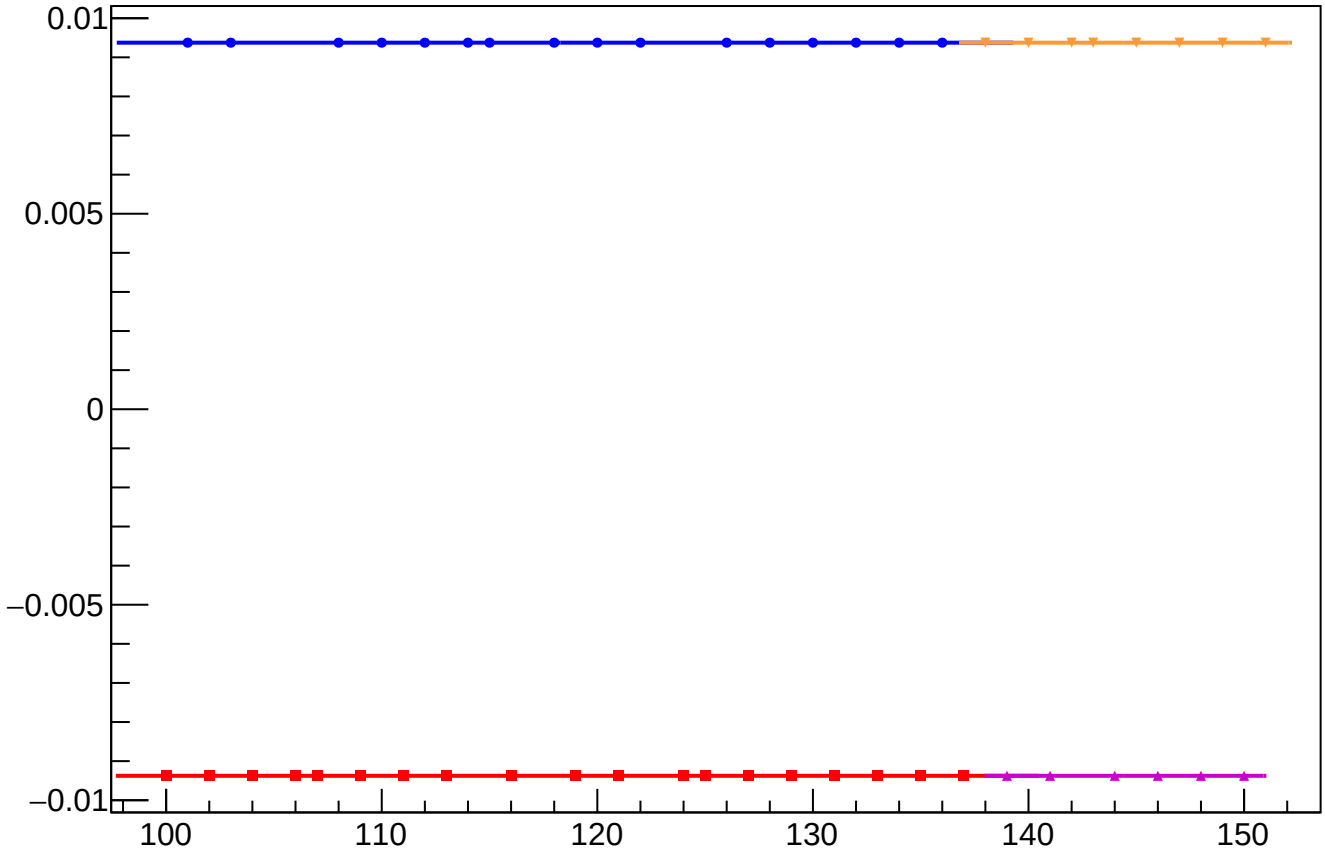
Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

In: 150.368+/-0.000 χ^2/NDF:1207076456359511

Out: -81.410+/-0.000 χ^2/NDF:1345941251310531

All: 29.145+/-0.000 χ^2/NDF: 258912224037

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:0.0/7

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/5

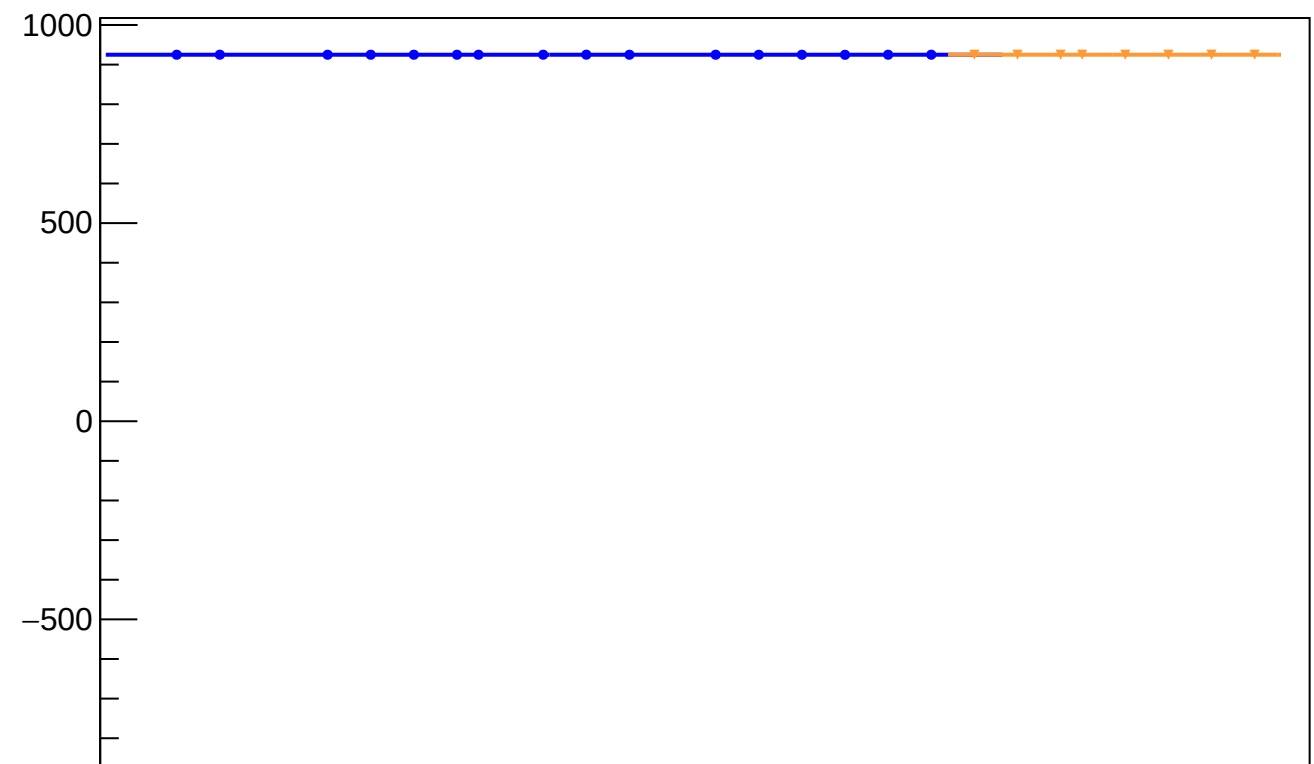
Left: 0.001+/-0.000 χ^2/NDF: 103821428571428202

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:110285019455252679

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: 0.000+/-0.000 χ^2/NDF: 2365685464226



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 925.000+/-0.000 χ^2/NDF:42140790764778014522850725068 8.0/7

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.997+/-0.000 χ^2/NDF:22175677261369308901335996825 6.0/5

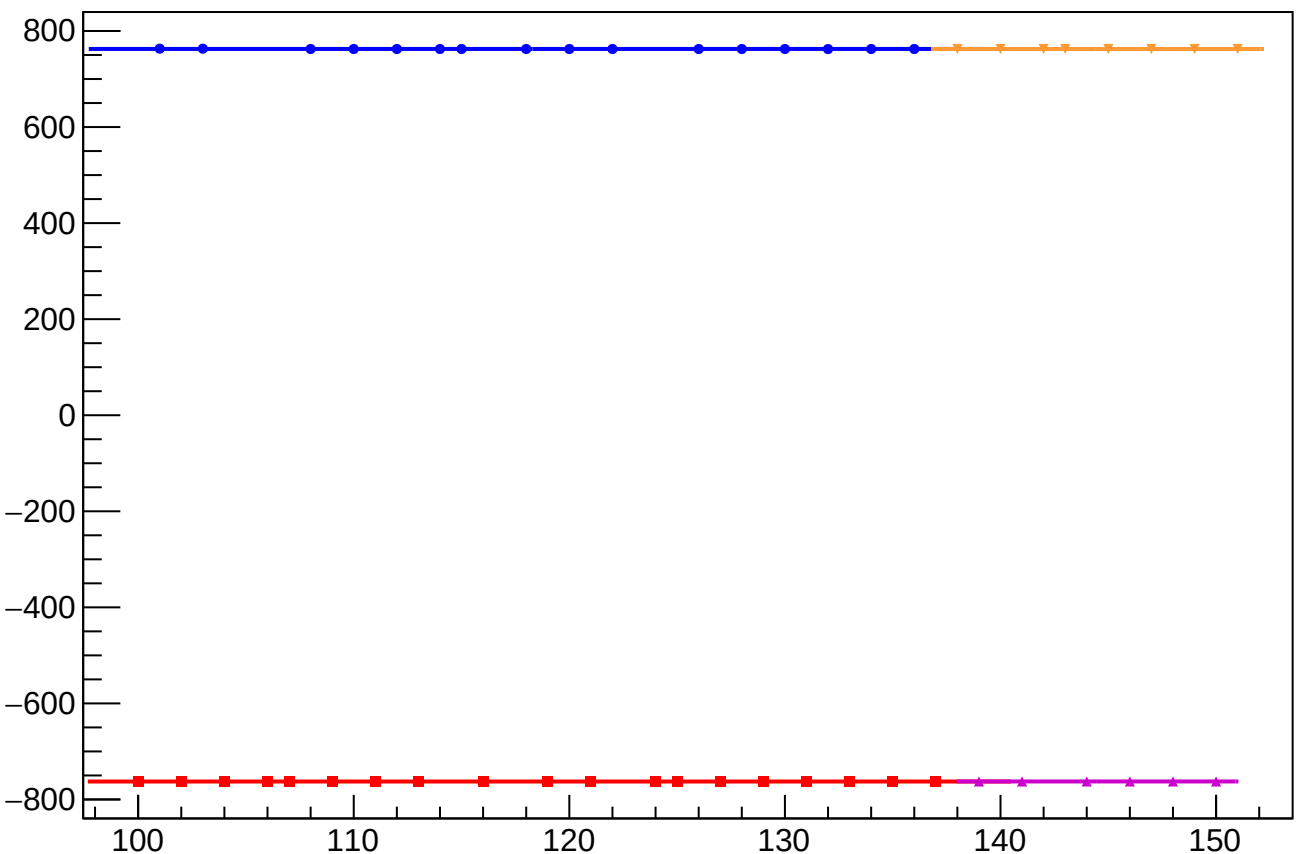
Left: 79.287+/-0.000 χ^2/NDF: 10107096589148479

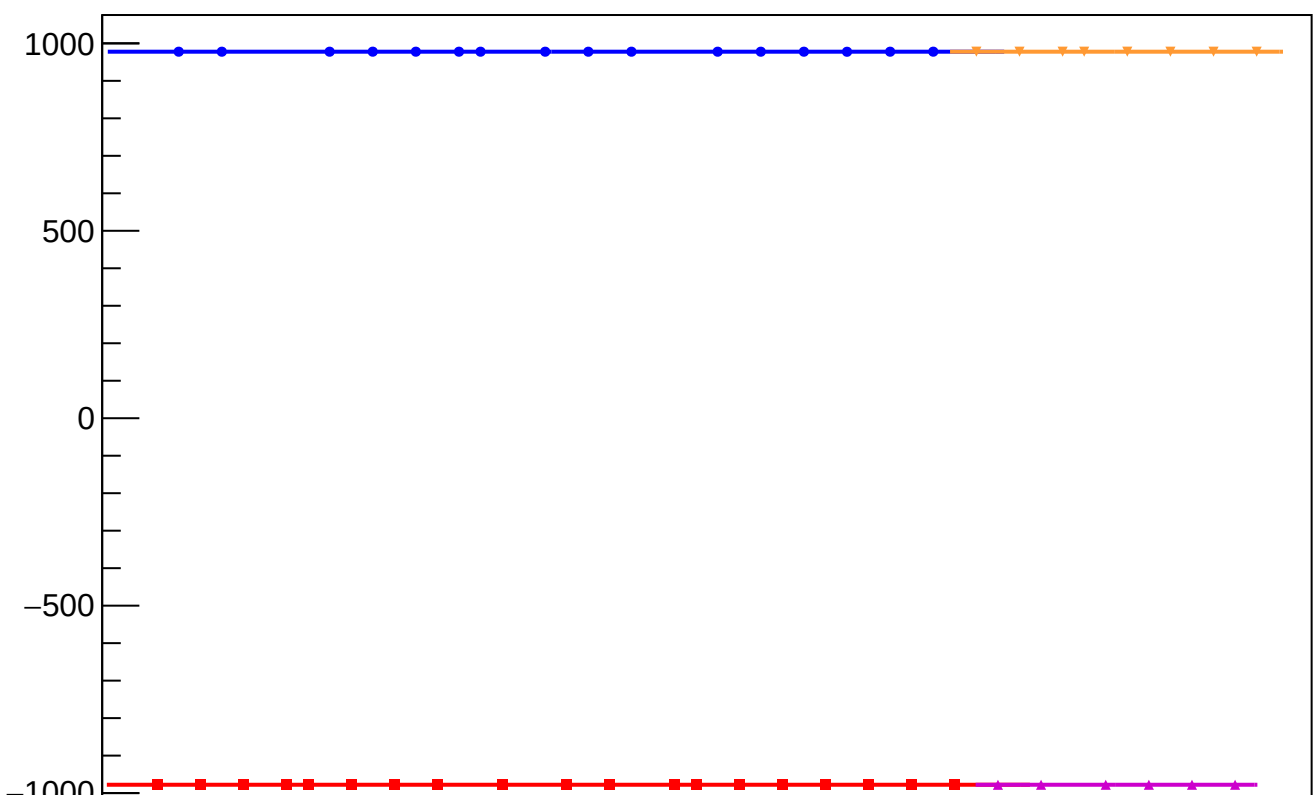
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

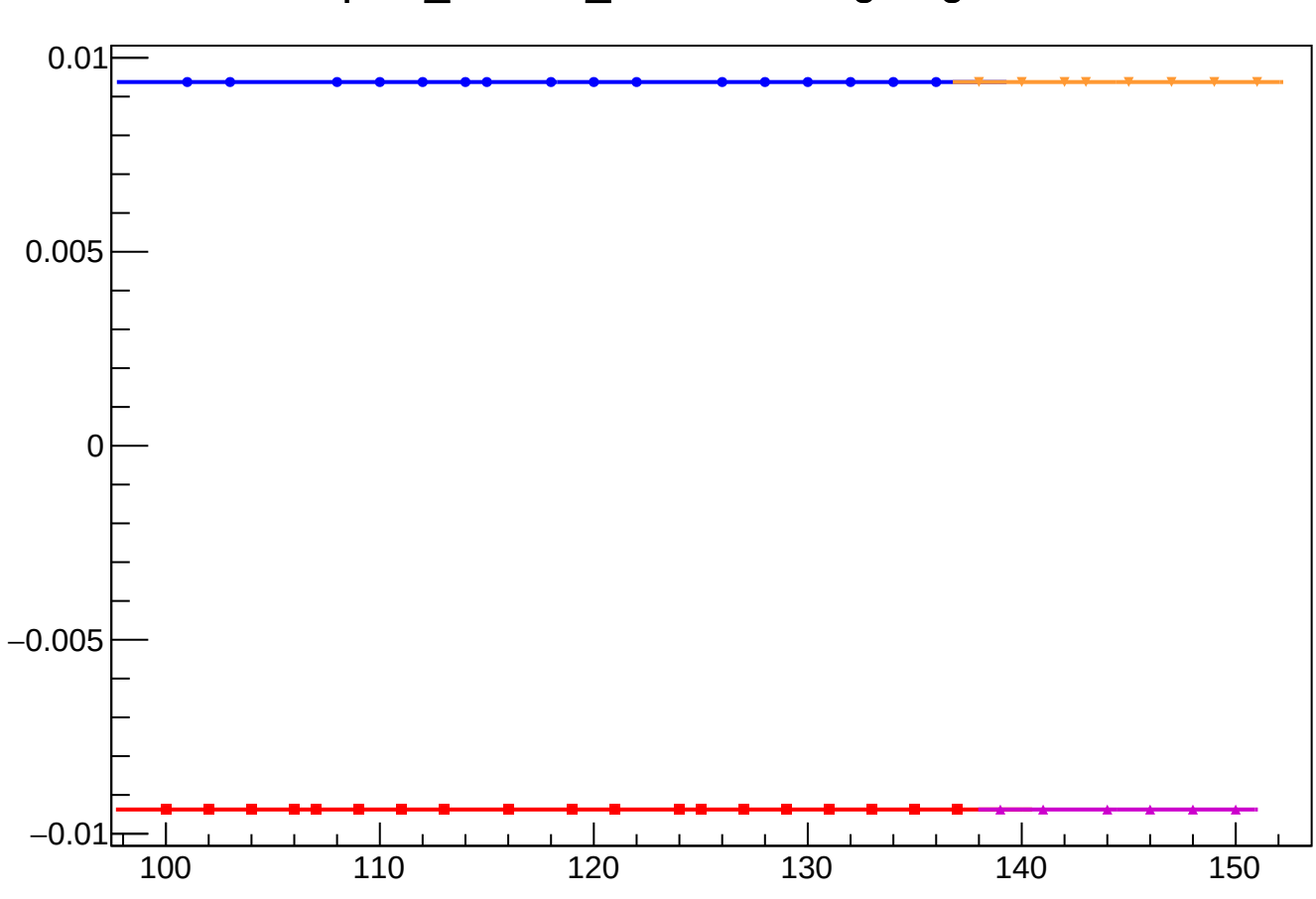
In: 141.791+/-0.000 χ^2/NDF:1073593723579842

Out: -76.796+/-0.000 χ^2/NDF:1197229601741059

All: 27.467+/-0.000 χ^2/NDF: 230293514588


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.497+/-0.000 χ²/NDF:66683960753765143396252385280.0/7
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.498+/-0.000 χ²/NDF:518436373843587470328772689 92.0/5
Left: 65.356+/-0.000 χ²/NDF: 68678539089057091
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: 116.962+/-0.000 χ²/NDF:72965175095727734
Out: -63.382+/-0.000 χ²/NDF:8136750979632206
All: 22.639+/-0.000 χ²/NDF: 1565185143604


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440.0/15
Left Out: 977.759+/-0.000 χ²/NDF:669606273666171742542511472640.0/7
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623672.0/18
Left In: -977.756+/-0.000 χ²/NDF:706773857901233708681041805312.0/5
Left: 83.809+/-0.000 χ²/NDF: 1129293954590270
Right: -14.301+/-0.000 χ²/NDF: 143750377983115
In: 149.893+/-0.000 χ²/NDF:1199587862950362
Out: -81.184+/-0.000 χ²/NDF:1337718128256844
All: 29.036+/-0.000 χ²/NDF: 257319255276



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/7

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/5

Left: 0.001+/-0.000 χ^2/NDF: 103821428571428202

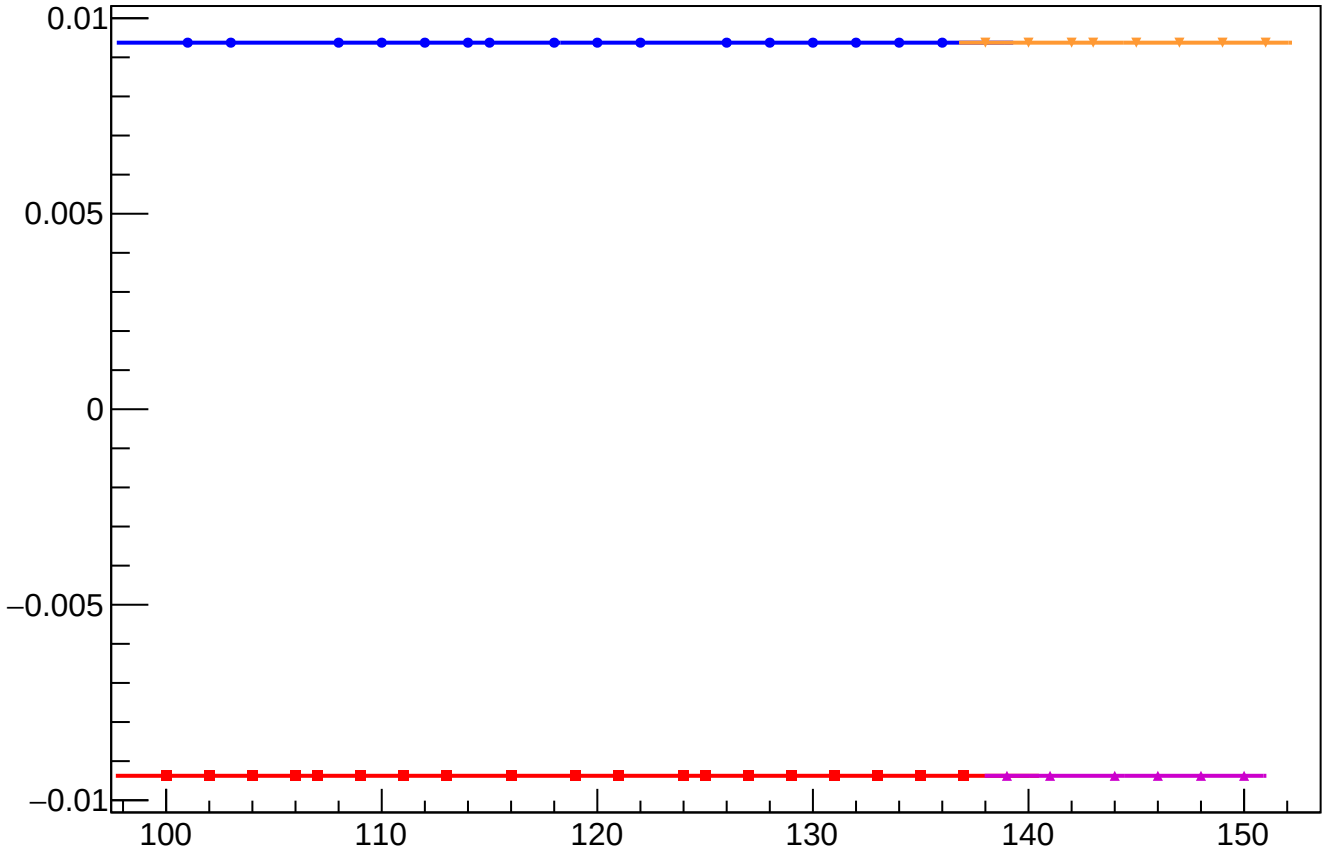
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:110285019455252679

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: 0.000+/-0.000 χ^2/NDF: 2365685464226

MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/7

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/5

Left: 0.001+/-0.000 χ^2/NDF: 103821428571428202

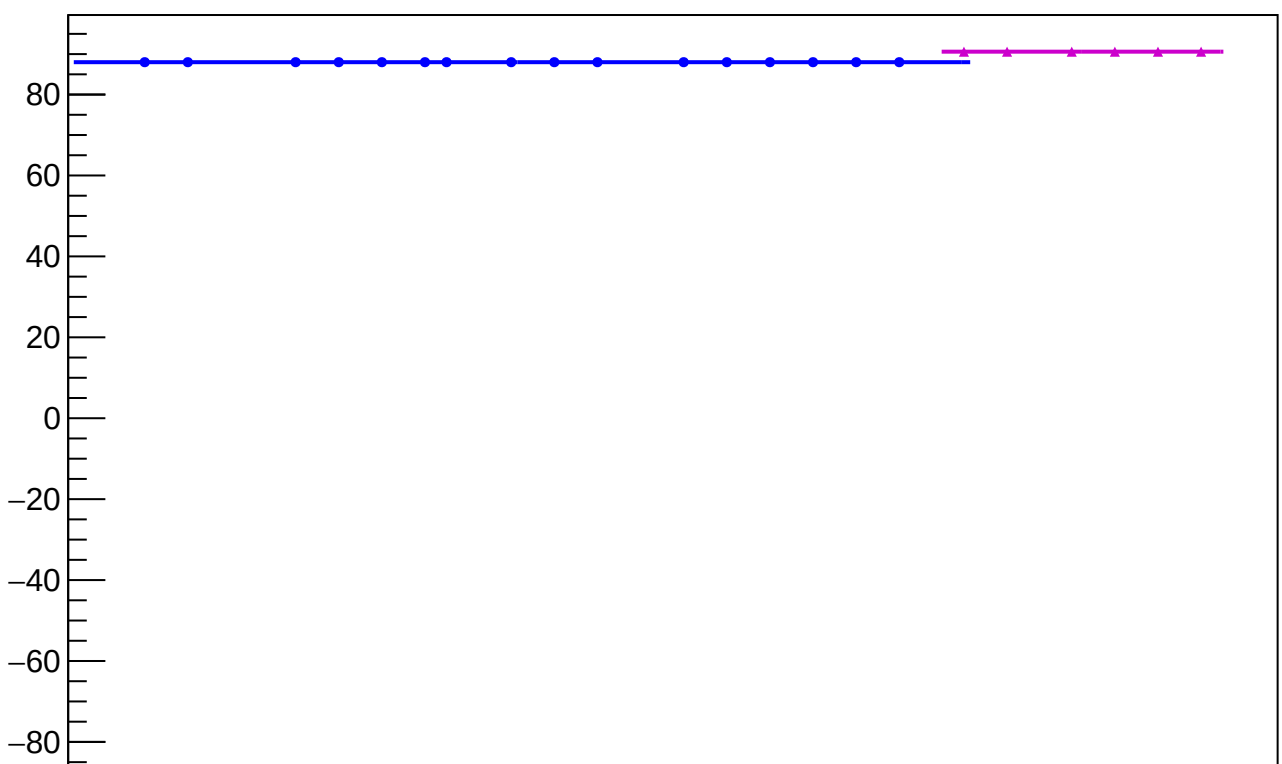
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:110285019455252679

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: 0.000+/-0.000 χ^2/NDF: 2365685464226

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:3257427.6/7

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:854443.6/5

Left: -7.766+/-0.000 χ^2/NDF: 96960333821839641

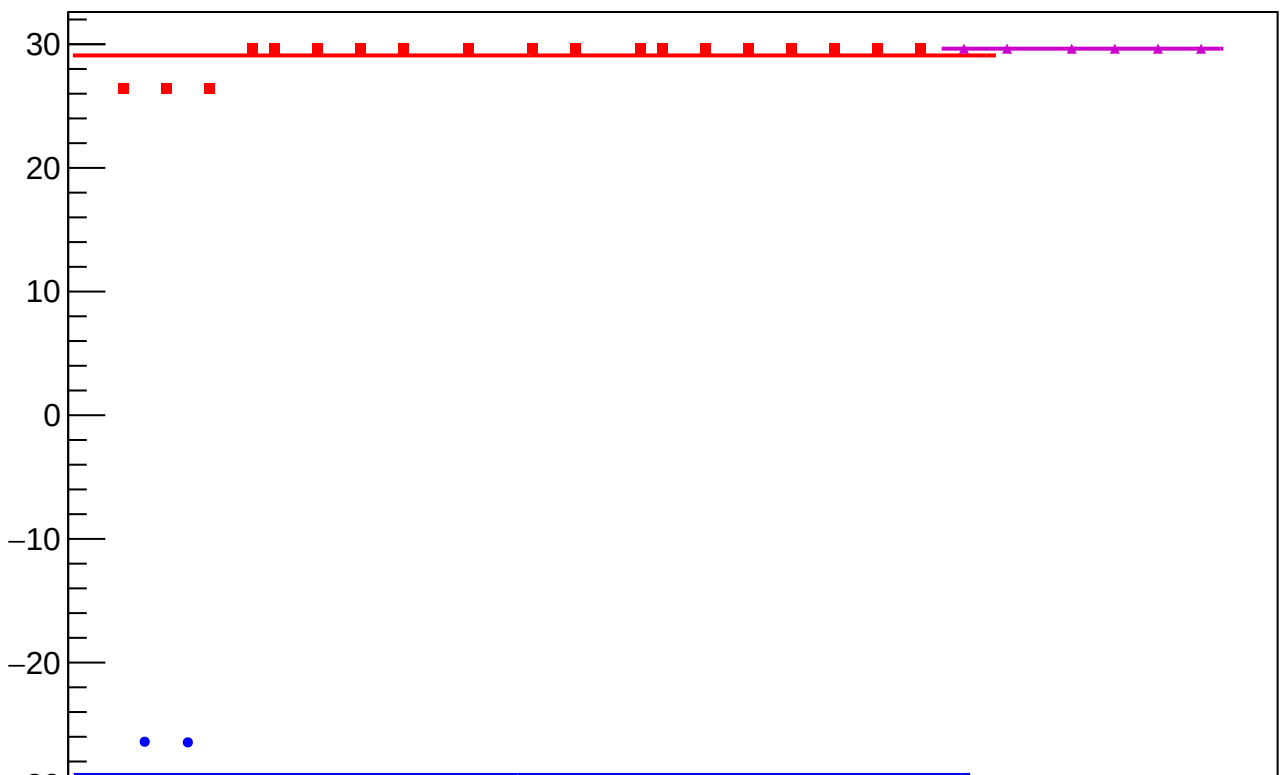
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.101+/-0.000 χ^2/NDF:211831606159800042

Out: -89.194+/-0.000 χ^2/NDF:2357393948558108

All: -4.150+/-0.000 χ^2/NDF: 2136893205445

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:157885.8/7

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 29.641+/-0.000 χ^2/NDF:24625.1/5

Left: -2.541+/-0.000 χ^2/NDF: 10378186020697063

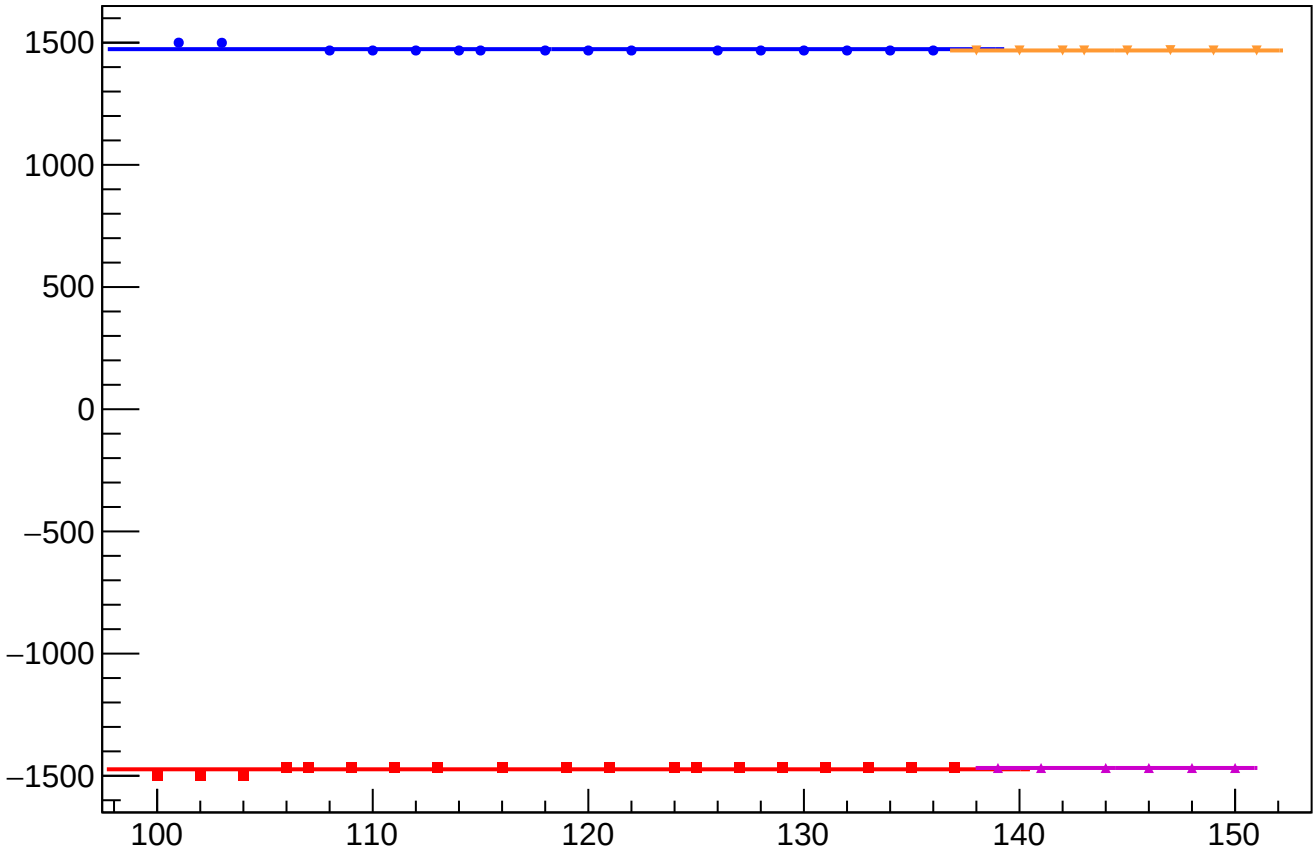
Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: -4.224+/-0.000 χ^2/NDF:108296750939833836

Out: 2.165+/-0.000 χ^2/NDF:120788165987104000

All: -0.883+/-0.000 χ^2/NDF: 2318279117574

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477 1584.0/15

Left Out: 1468.159+/-0.000 χ^2/NDF:1282989116609817094244512259112 96.0/7

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.979+/-0.000 χ^2/NDF:48028174.3/5

Left: 125.925+/-0.000 χ^2/NDF: 2545878154195384

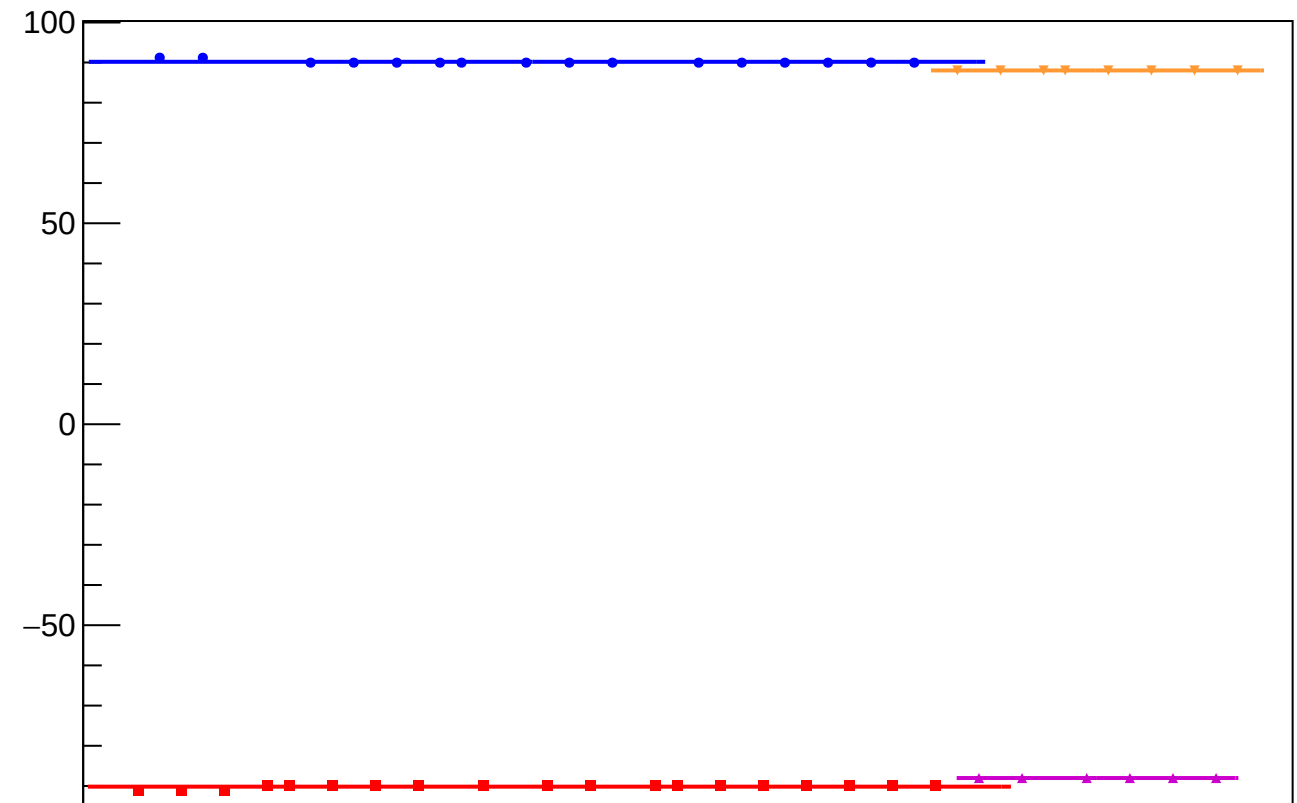
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: 228.217+/-0.000 χ^2/NDF:27142701026899576

Out: -124.747+/-0.000 χ^2/NDF:302701848091976

All: 43.612+/-0.000 χ^2/NDF: 5825017607005

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:2413889.1/7

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:510929.4/5

Left: 7.545+/-0.000 χ^2/NDF: 9151960026309689

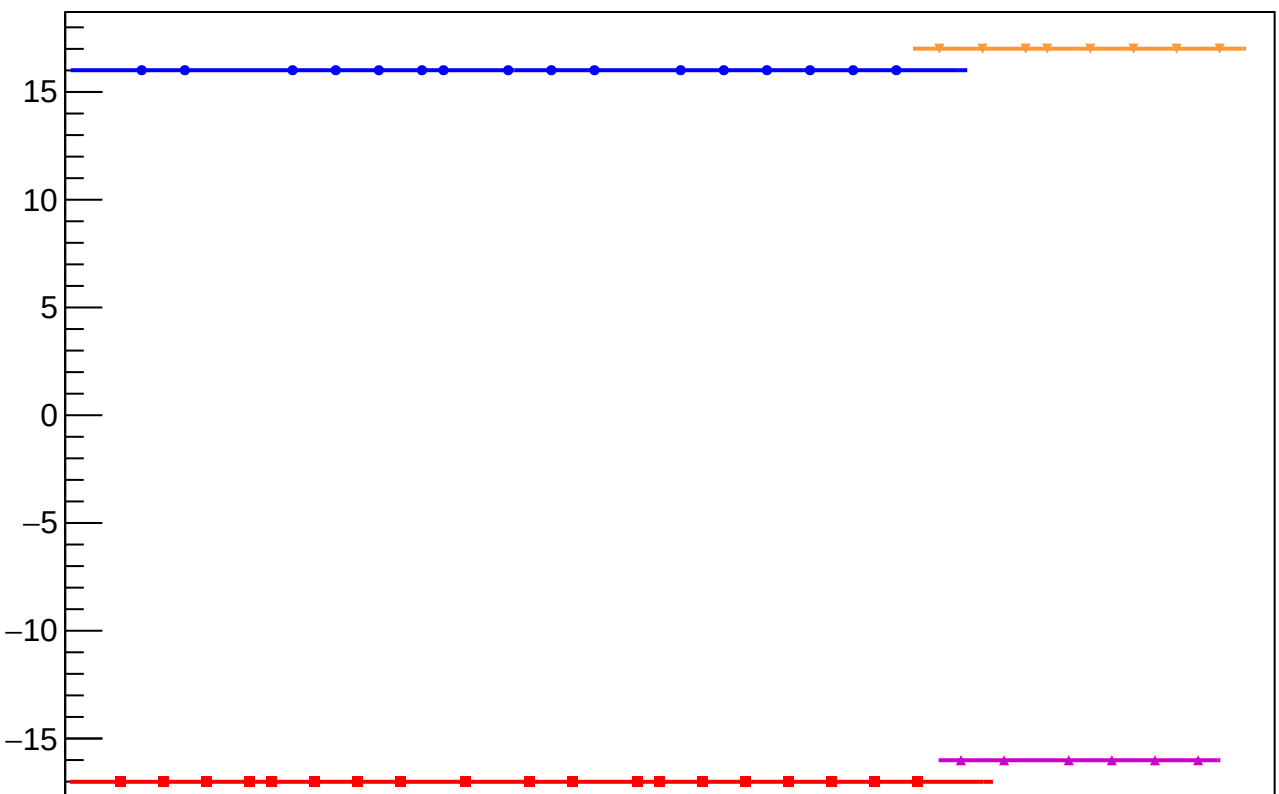
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 14.735+/-0.000 χ^2/NDF:996103529287251957

Out: -8.472+/-0.000 χ^2/NDF:11107528539038162

All: 2.597+/-0.000 χ^2/NDF: 21430536136967

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:5124389016515704745099264.0/7

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:54273.6/5

Left: 1.671+/-0.000 χ^2/NDF: 298305079505701452

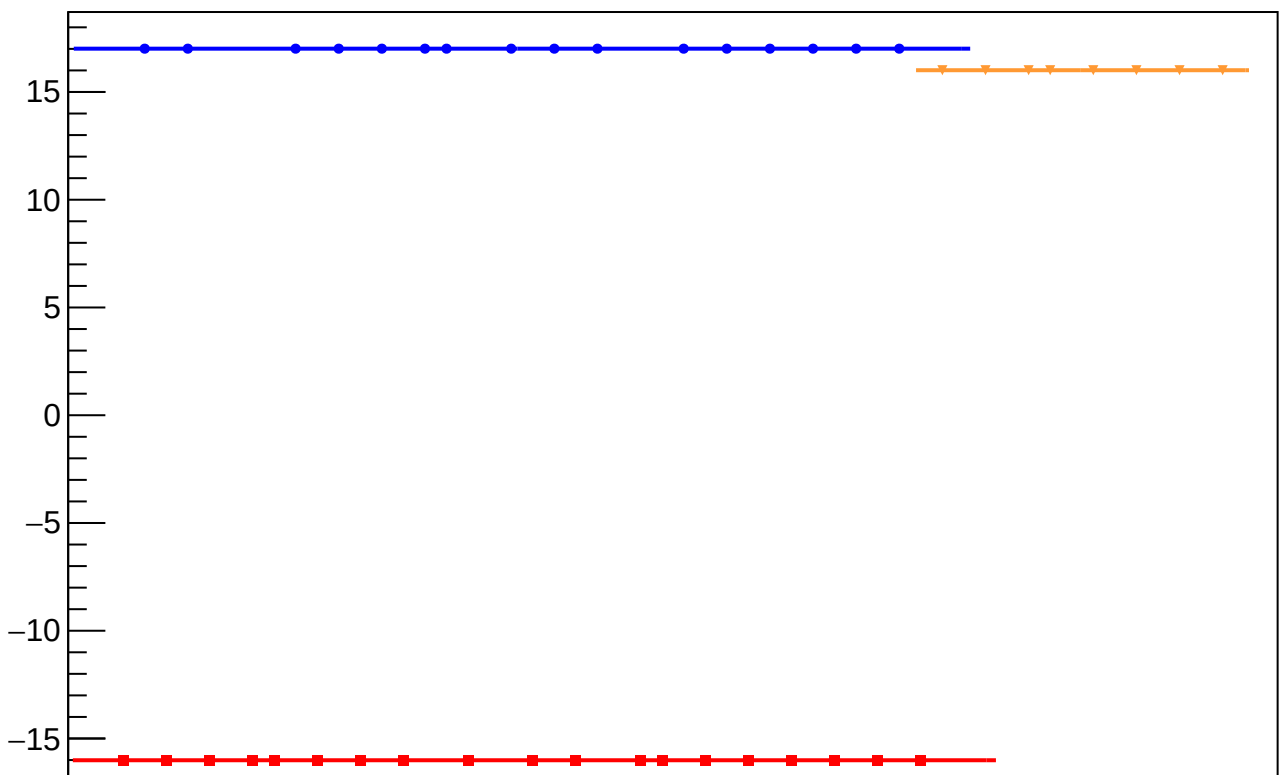
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 2.521+/-0.000 χ^2/NDF:303183776185658455

Out: -1.380+/-0.000 χ^2/NDF:36846047578314344

All: 0.517+/-0.000 χ^2/NDF: 6811277754354

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:42005.3/7

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:9365.4/5

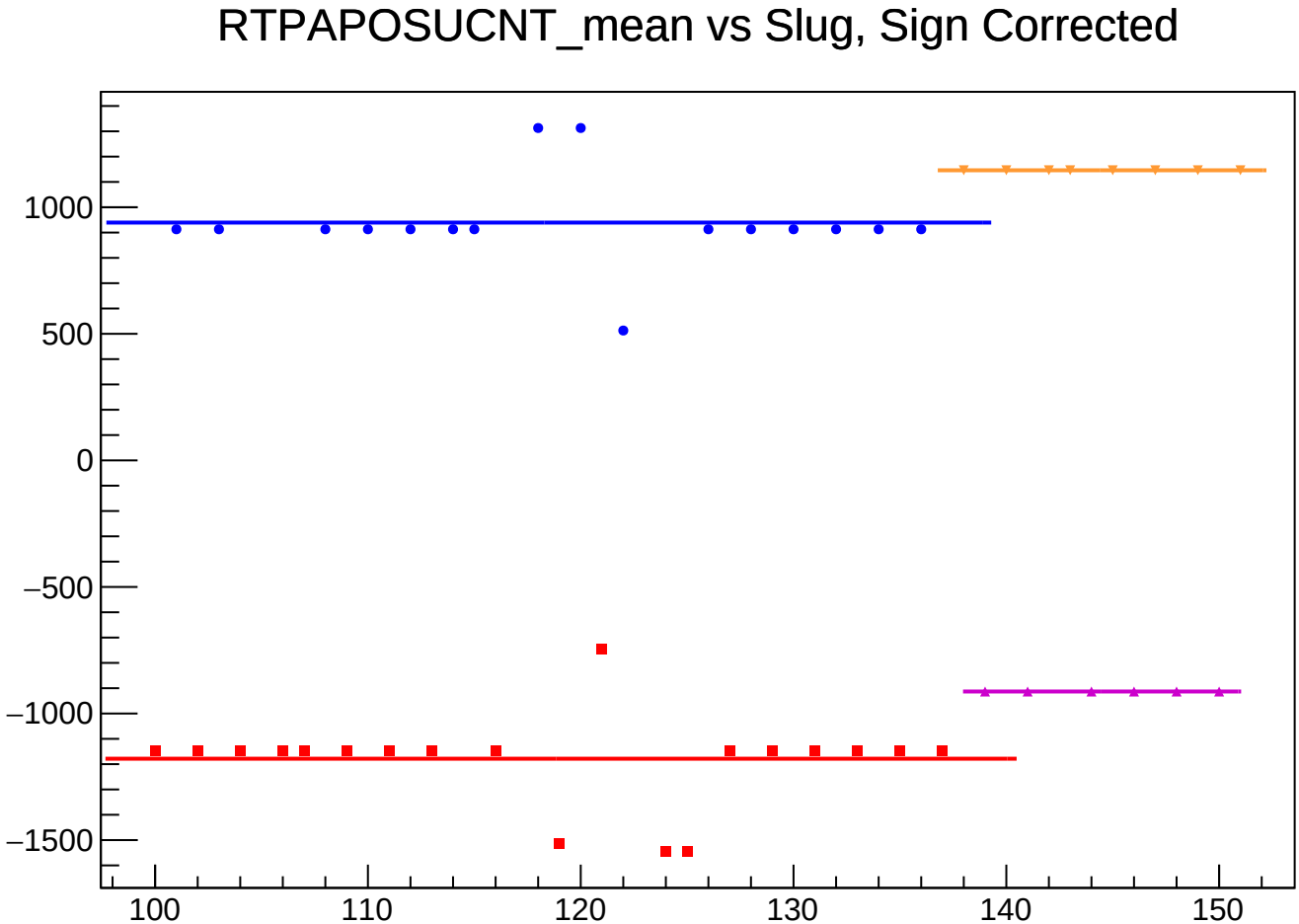
Left: 0.800+/-0.000 χ^2/NDF: 319896648794453732

Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

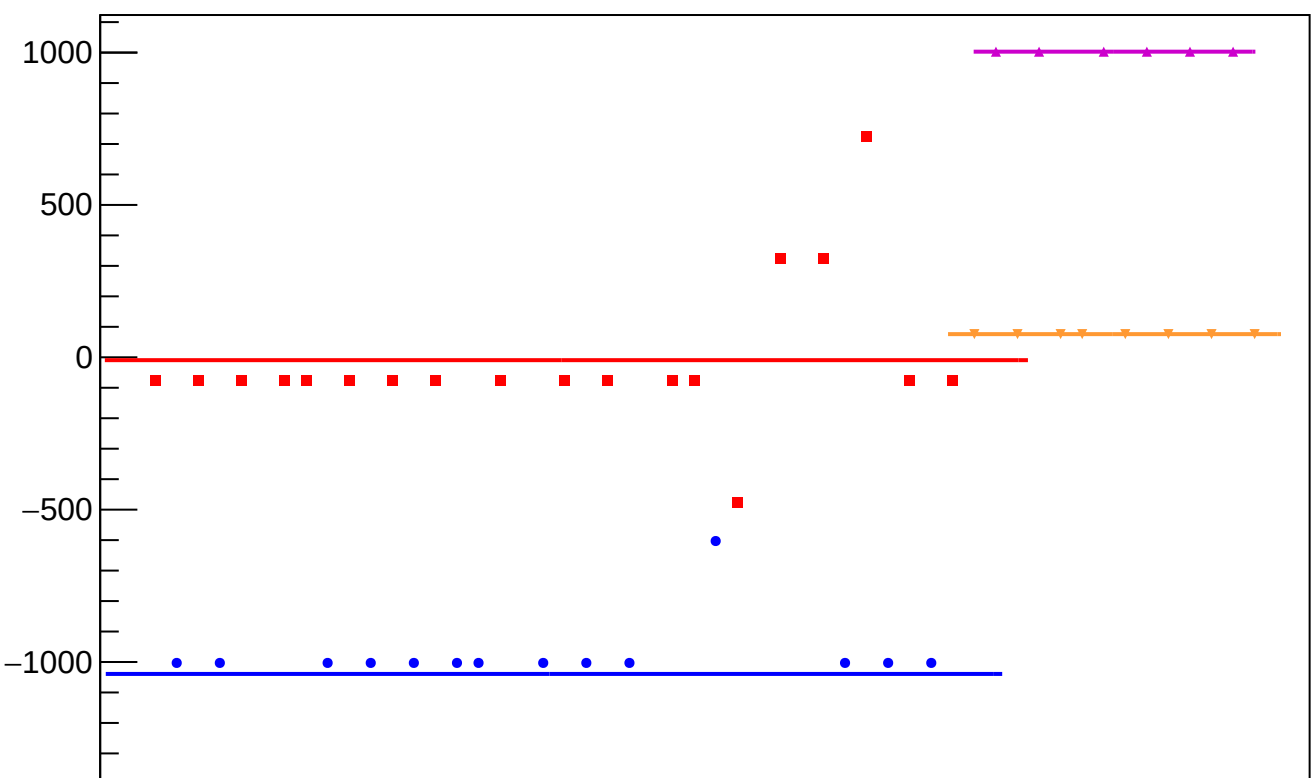
In: 2.216+/-0.000 χ^2/NDF:3557932521292963416

Out: -1.399+/-0.000 χ^2/NDF:35506227906482298

All: 0.310+/-0.000 χ^2/NDF: 71947914675292


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Left Out: 1146.011+/-0.000 χ²/NDF:2361135657081856463827107840.0/7
Right Out: -1178.513+/-0.000 χ²/NDF: 221402599581232775654811061148377415568.0/18
Left In: -912.994+/-0.000 χ²/NDF:814332626806491110810478182 4.0/5
Left: 204.751+/-0.000 χ²/NDF: 1251984451366913
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
In: 155.223+/-0.000 χ²/NDF:10975535344028758
Out: -112.763+/-0.000 χ²/NDF:191236737953495
All: 15.062+/-0.000 χ²/NDF: 3058186587189

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Left Out: 76.011+/-0.000 χ^2/NDF:26241573566492903385407160320.0/7

Right Out: -9.430+/-0.000 χ^2/NDF: 46057394734928766474893736526051540992.0/18

Left In: 1002.989+/-0.000 χ^2/NDF:106720461638666289091602022 4.0/5

Left: 499.772+/-0.000 χ^2/NDF: 2537604483750014

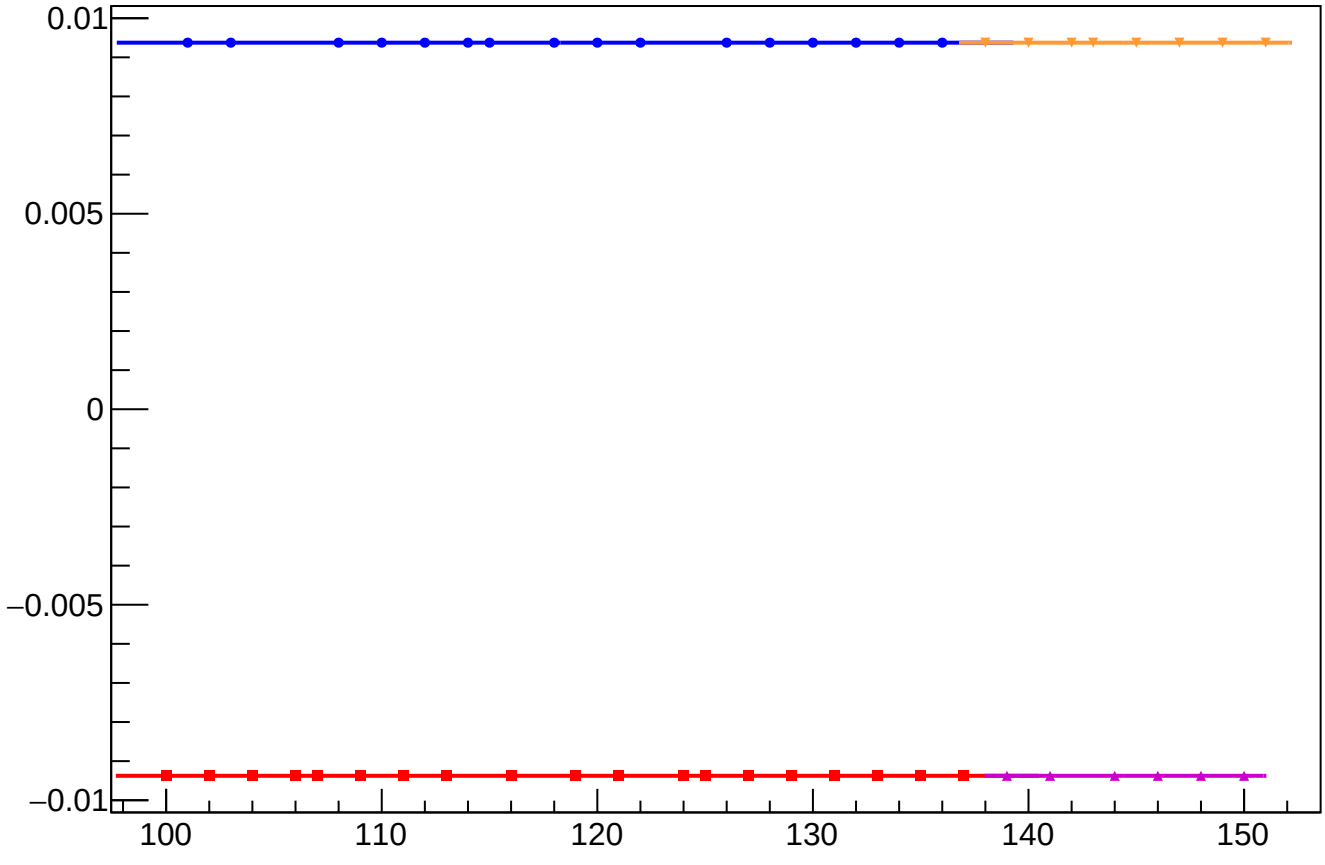
Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

In: -174.622+/-0.000 χ^2/NDF:1331110677398215

Out: 29.743+/-0.000 χ^2/NDF:4861111429642150

All: -67.736+/-0.000 χ^2/NDF: 140779088348

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:0.0/7

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/5

Left: 0.001+/-0.000 χ^2/NDF: 103821428571428202

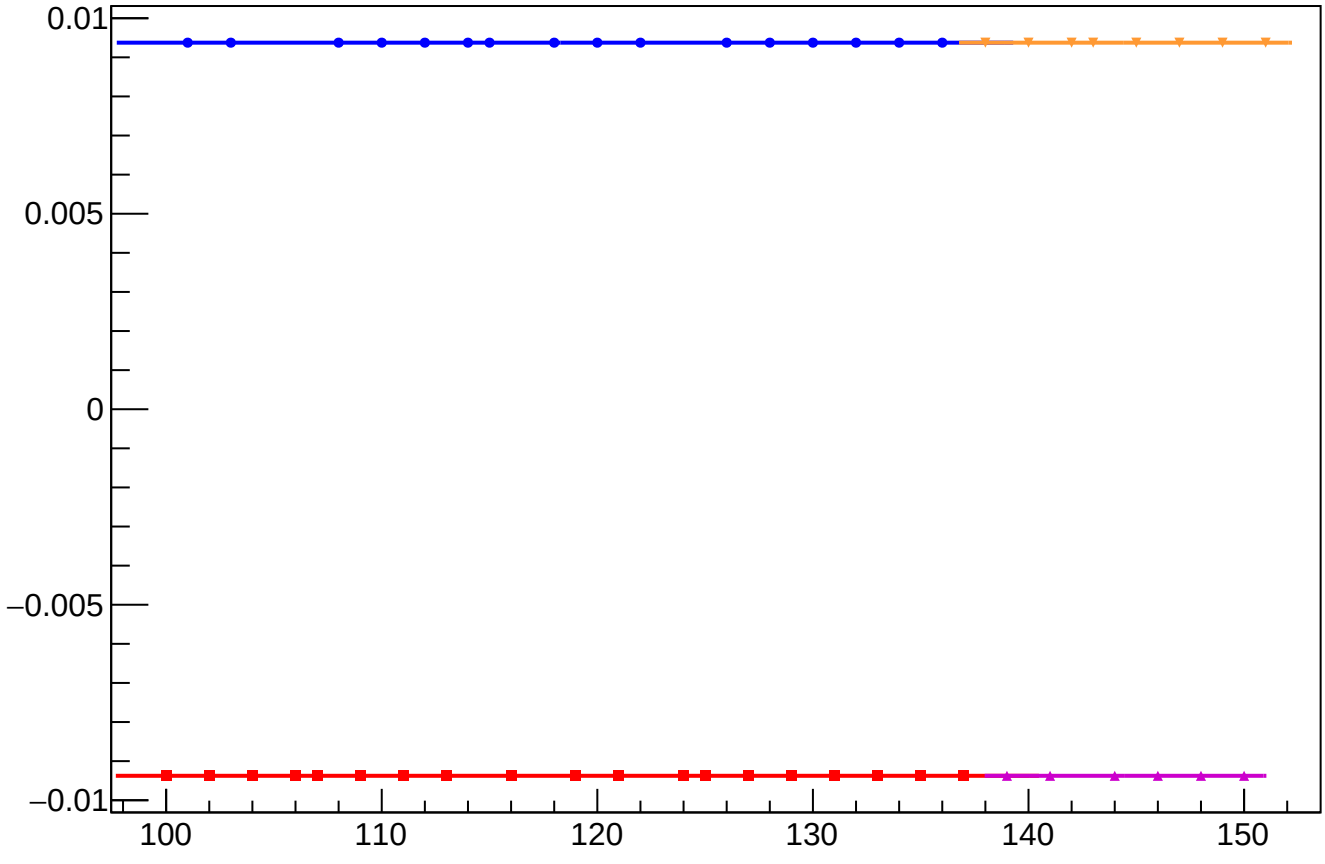
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:110285019455252679

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: 0.000+/-0.000 χ^2/NDF: 2365685464226

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:0.0/7

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/5

Left: 0.001+/-0.000 χ^2/NDF: 103821428571428202

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:110285019455252679

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: 0.000+/-0.000 χ^2/NDF: 2365685464226